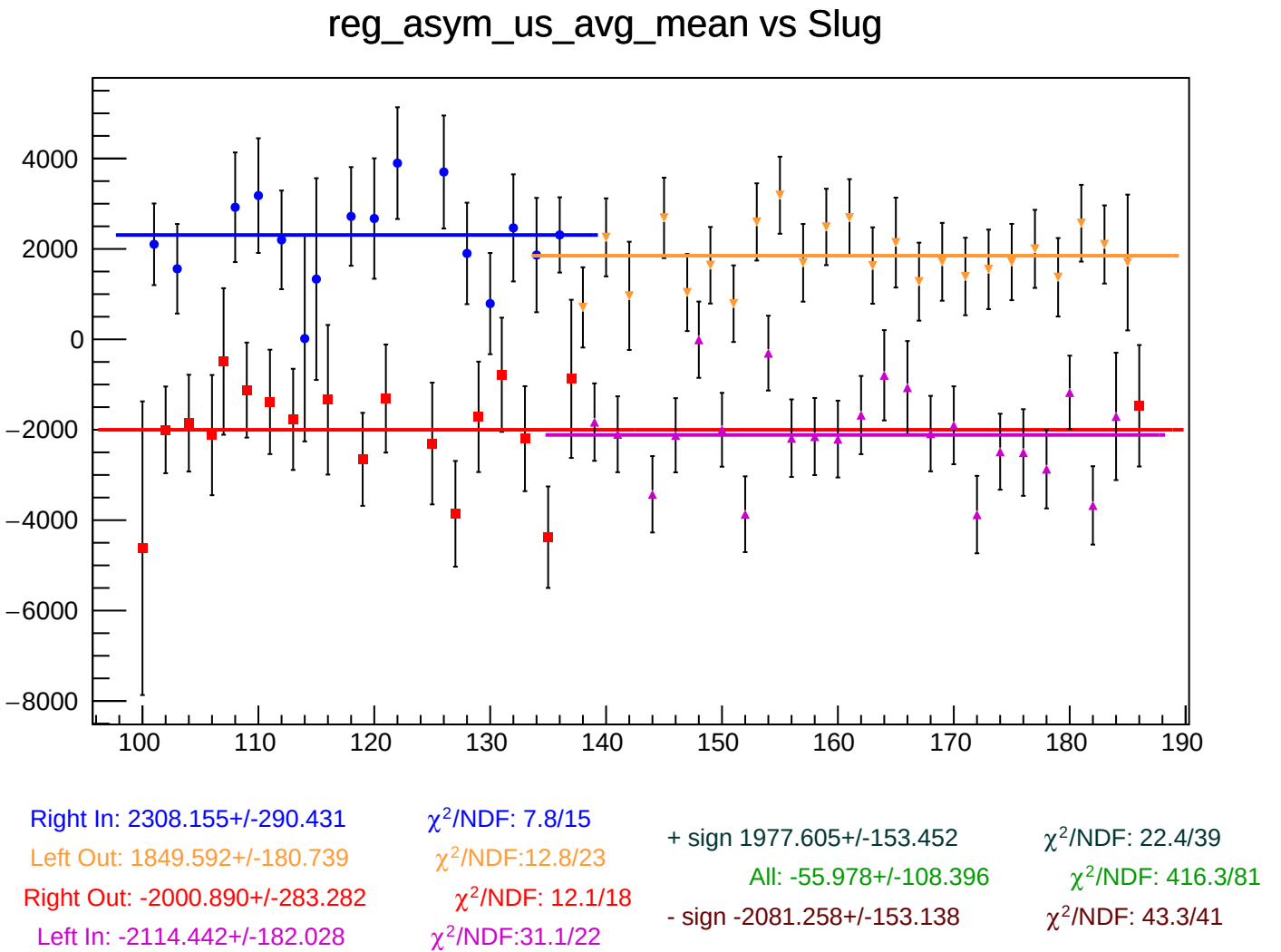


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

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

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

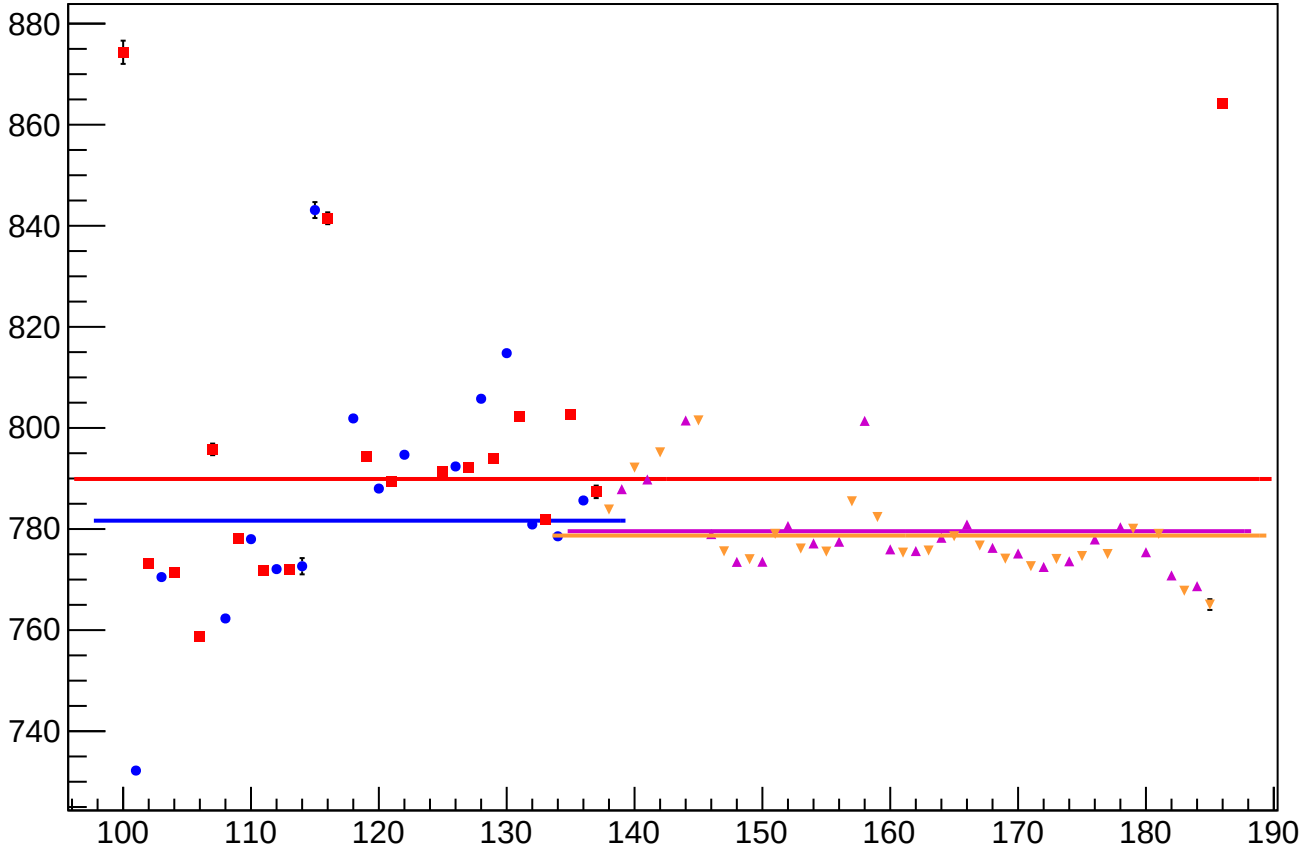
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1977.605+/-153.452 χ^2/NDF: 22.4/39

All: -55.978+/-108.396 χ^2/NDF: 416.3/81

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

reg_asym_us_avg_rms vs Slug



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

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

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

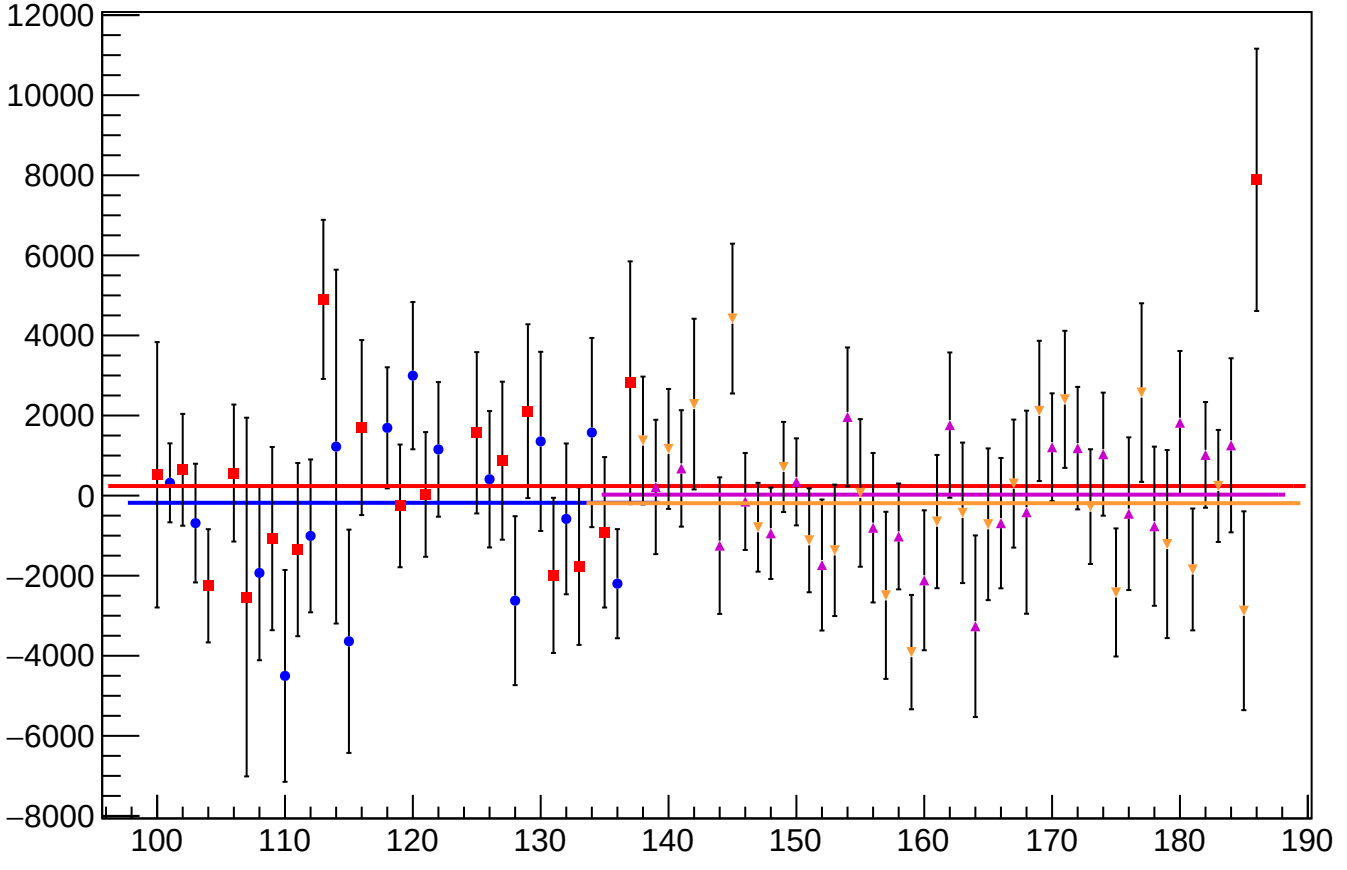
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.531+/-0.109 χ^2/NDF: 15857.1/39

All: 781.065+/-0.077 χ^2/NDF: 35926.0/81

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

asym_us_avg_reg_correction_mean vs Slug



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

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

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

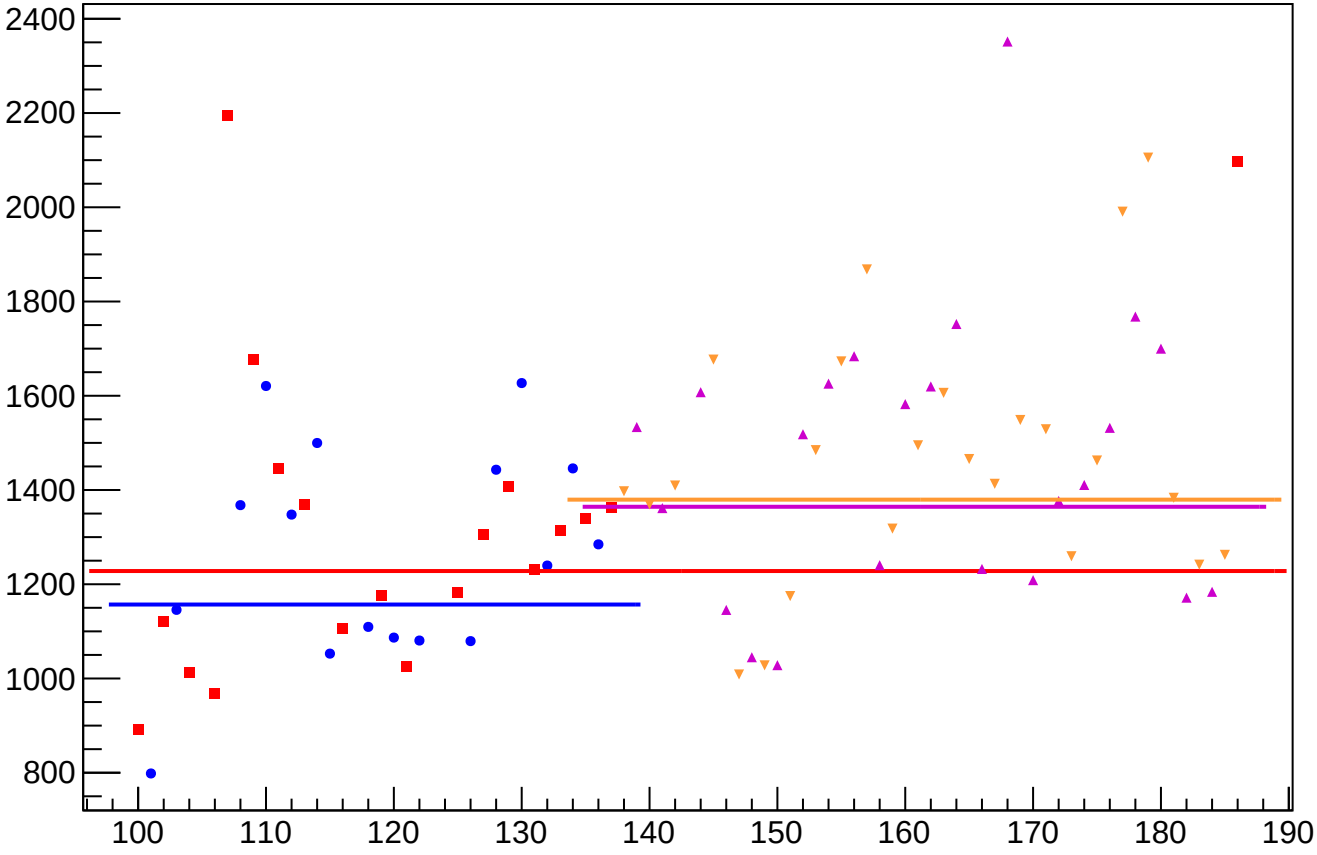
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -185.775+/-262.969 χ^2/NDF: 45.0/39

All: -44.648+/-186.310 χ^2/NDF: 79.9/81

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

asym_us_avg_reg_correction_rms vs Slug



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

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

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

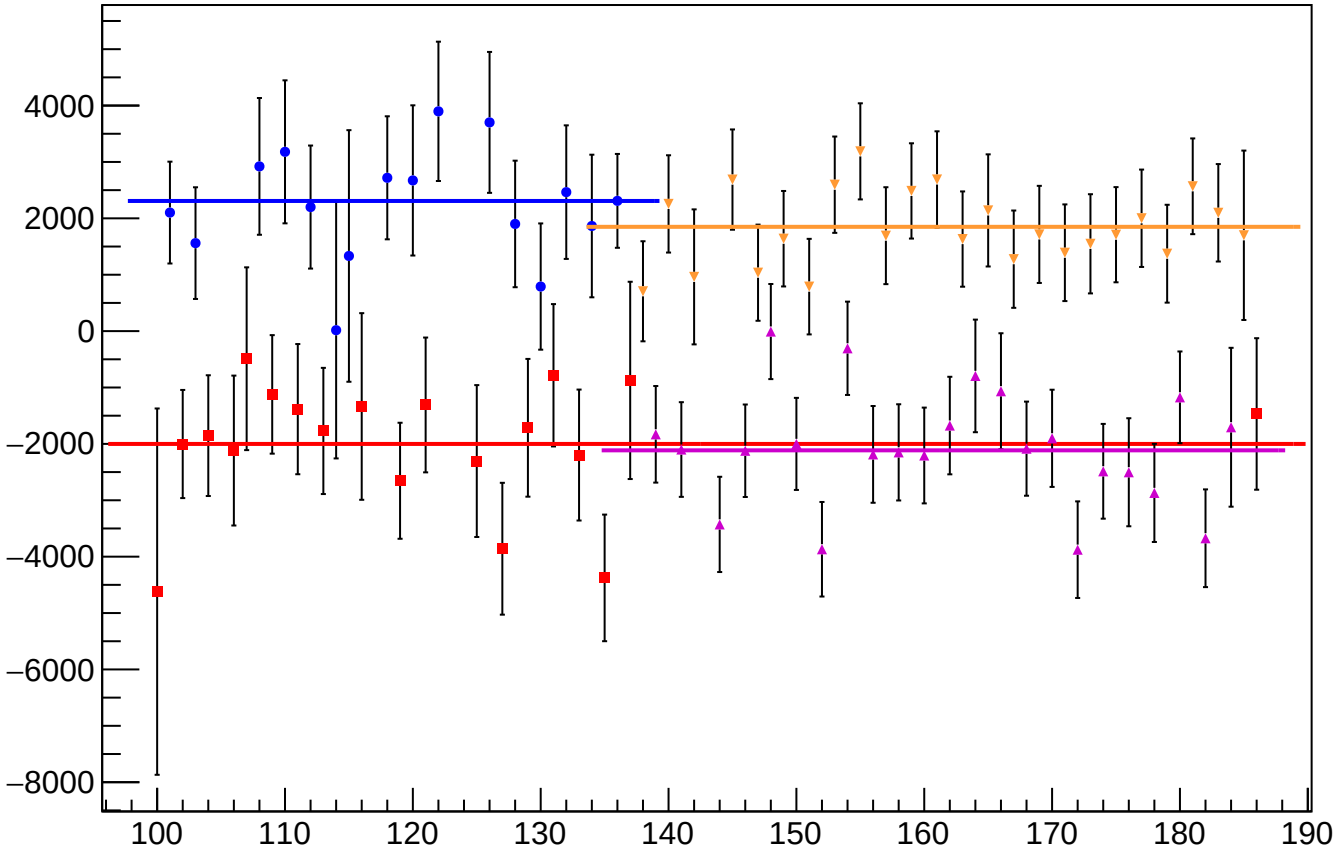
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1300.307+/-0.186 χ^2/NDF: 2056083.9/39

All: 1308.908+/-0.132 χ^2/NDF: 4034518.3/81

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

cor_asym_us_avg_mean vs Slug



Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

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

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

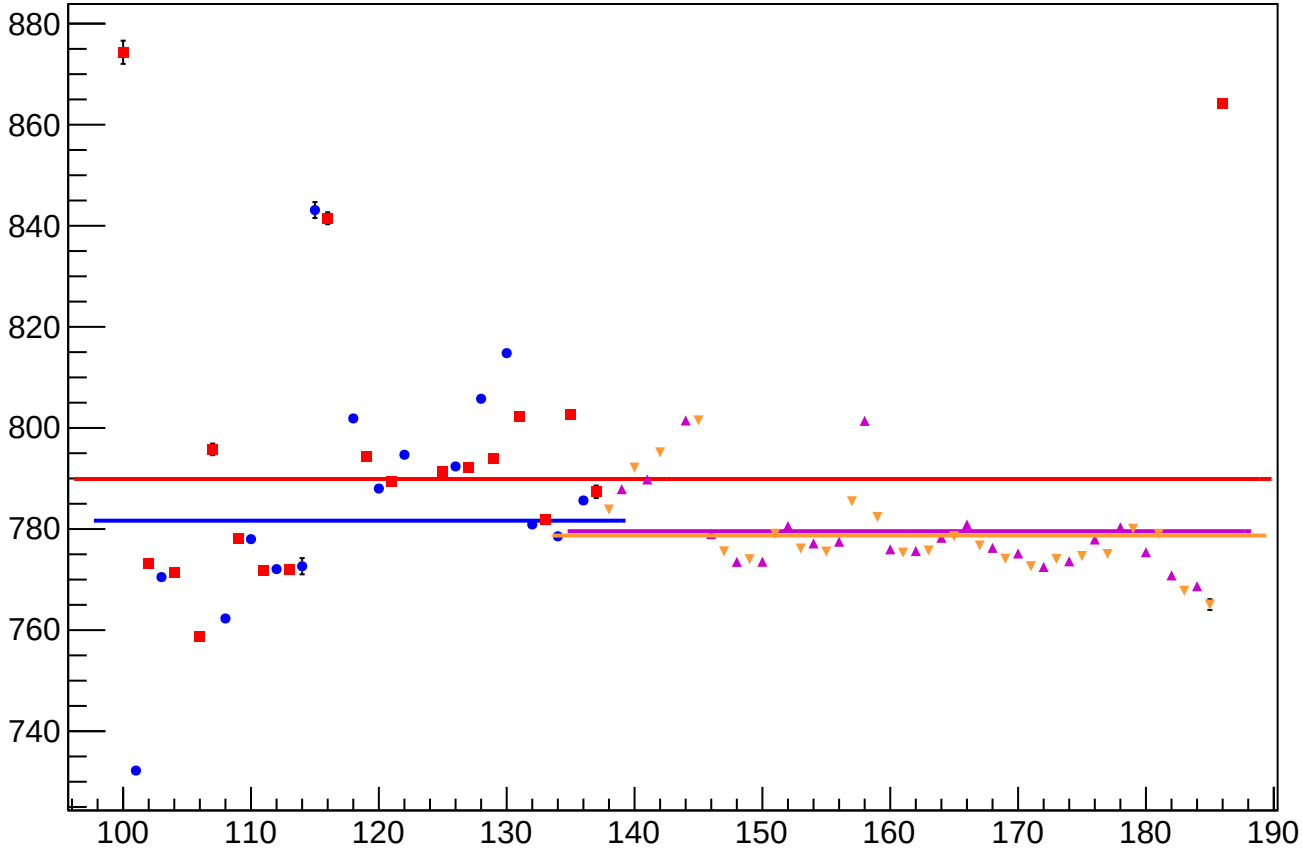
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1977.605+/-153.452 χ^2/NDF: 22.4/39

All: -55.978+/-108.396 χ^2/NDF: 416.3/81

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

cor_asym_us_avg_rms vs Slug



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

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

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

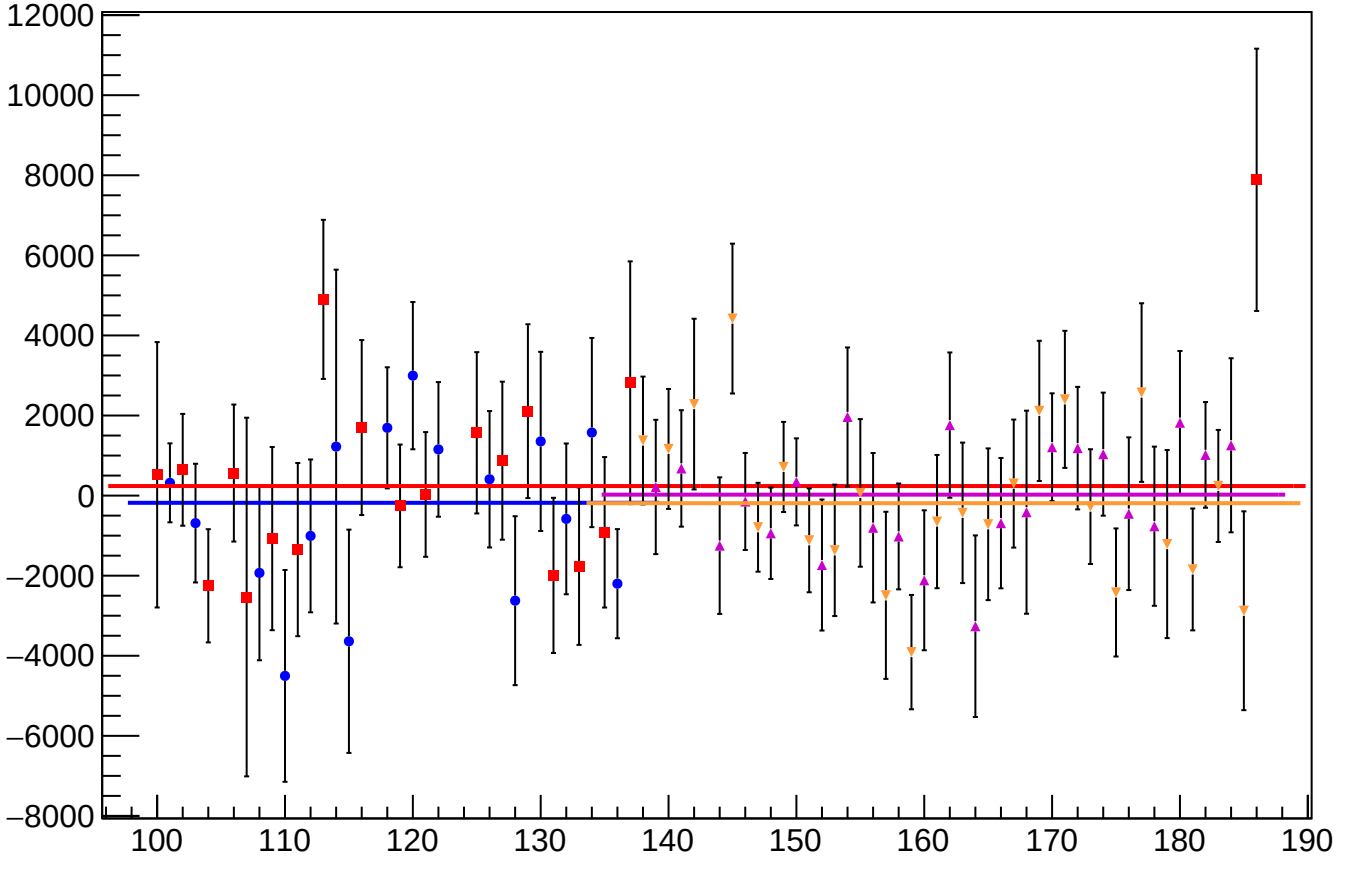
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.531+/-0.109 χ^2/NDF: 15857.1/39

All: 781.065+/-0.077 χ^2/NDF: 35926.0/81

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

asym_us_avg_cor_correction_mean vs Slug



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

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

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

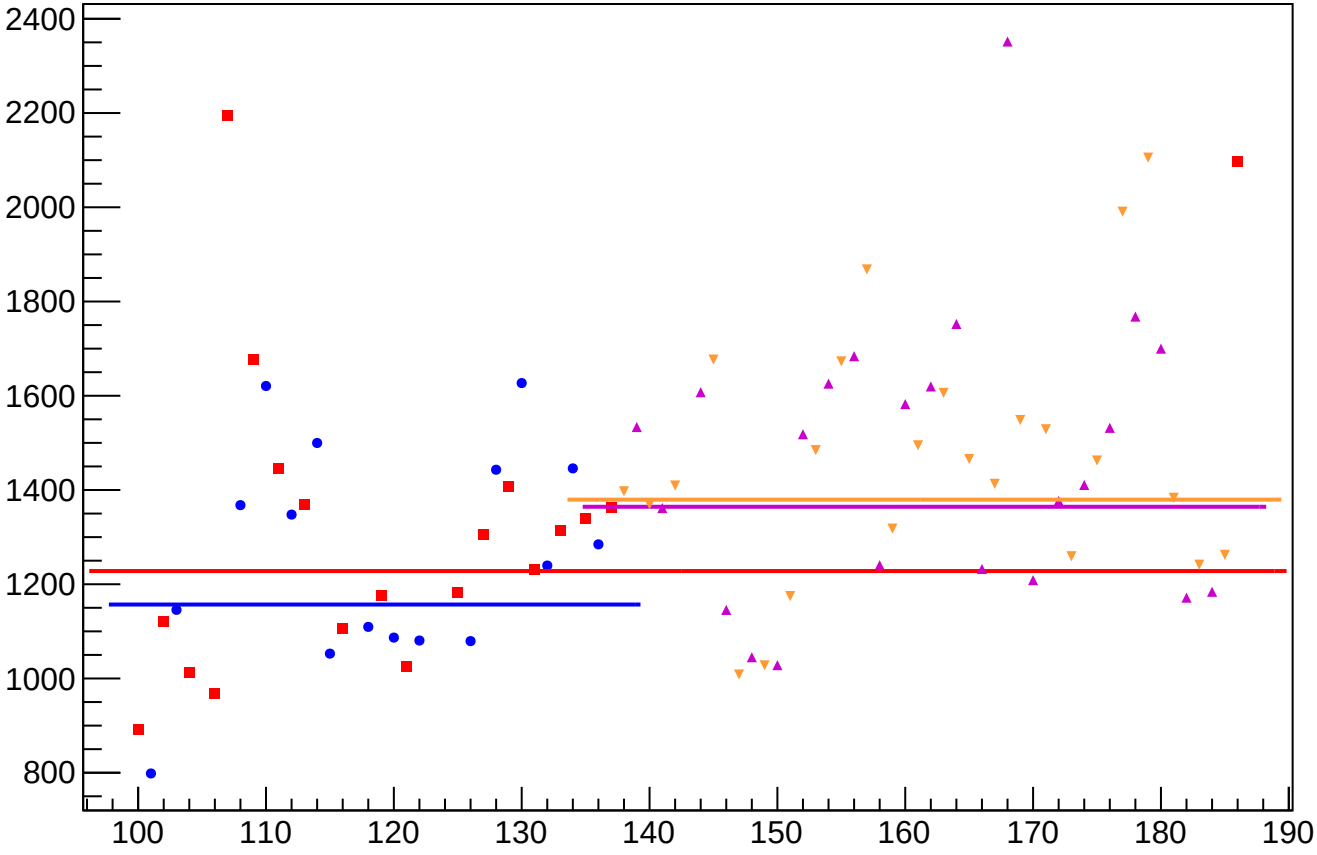
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -185.775+/-262.969 χ^2/NDF: 45.0/39

All: -44.648+/-186.310 χ^2/NDF: 79.9/81

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

asym_us_avg_cor_correction_rms vs Slug



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

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

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

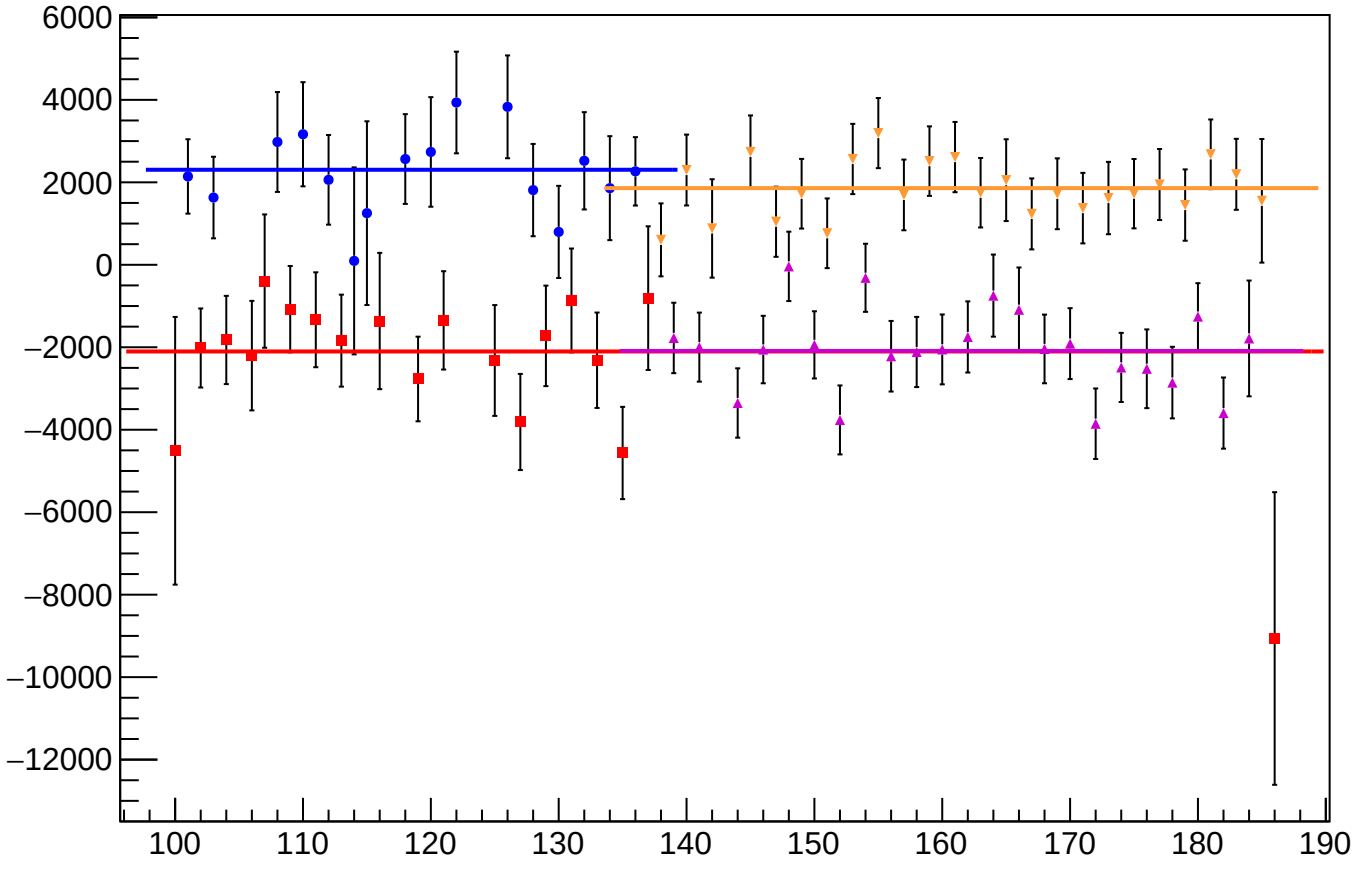
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1300.307+/-0.186 χ^2/NDF: 2056083.9/39

All: 1308.908+/-0.132 χ^2/NDF: 4034518.3/81

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

overload_cor_asym_us_avg_mean vs Slug



Right In: 2304.852+/-289.704 χ^2/NDF: 8.1/15

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

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

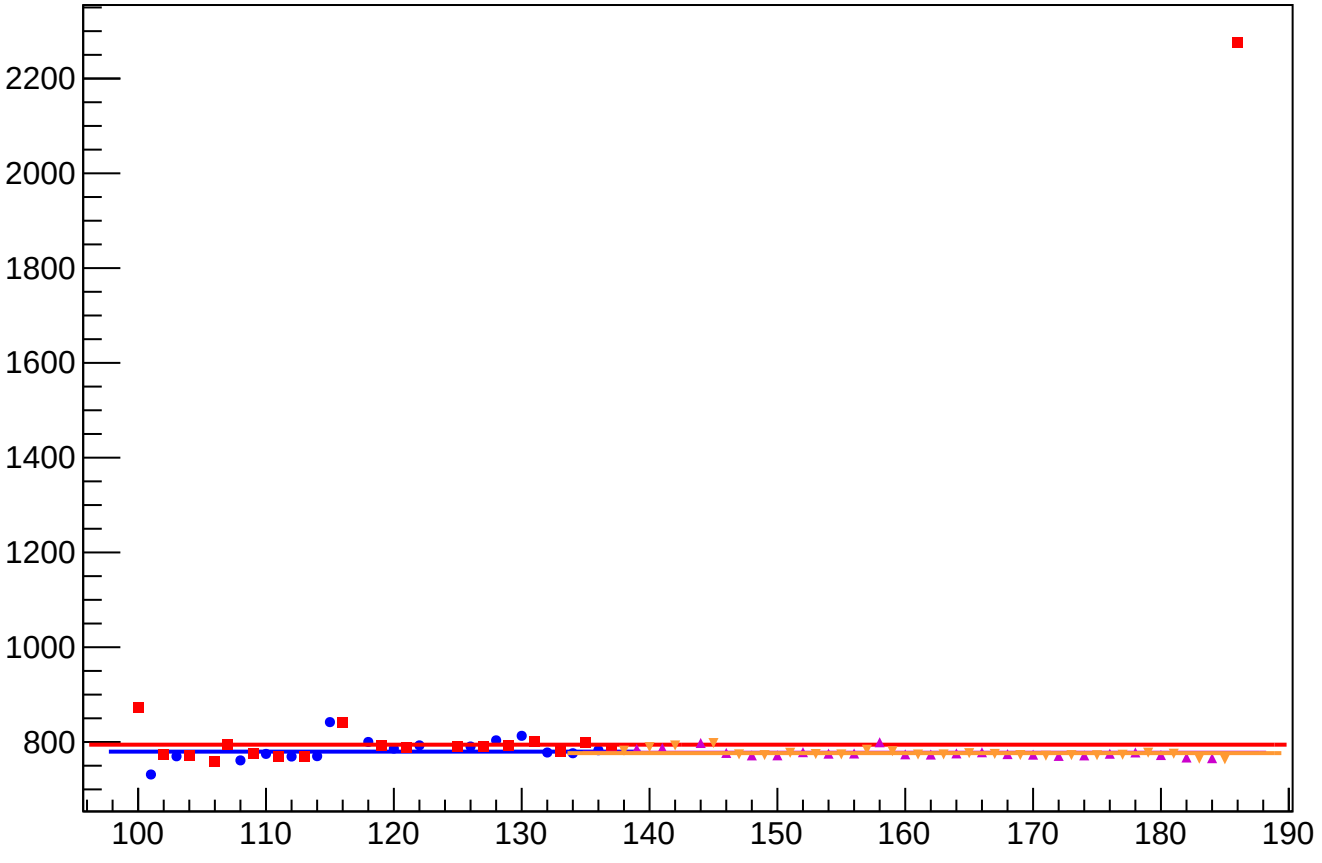
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 1983.790+/-153.033 χ^2/NDF: 23.3/39

All: -47.266+/-108.405 χ^2/NDF: 423.2/81

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

overload_cor_asym_us_avg_rms vs Slug



Right In: 779.702+/-0.205 χ^2/NDF: 12060.2/15

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

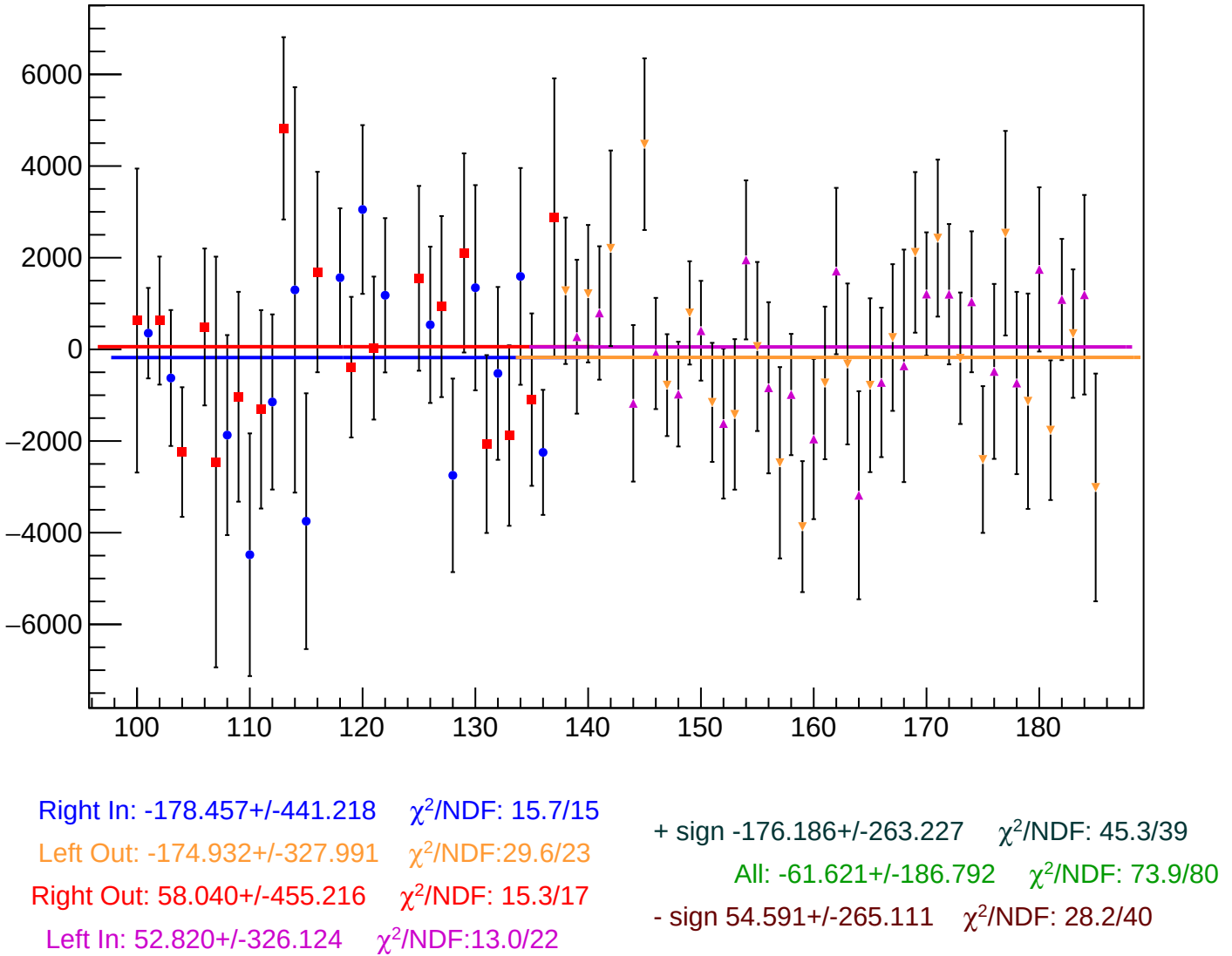
Right Out: 794.356+/-0.204 χ^2/NDF: 357900.3/18

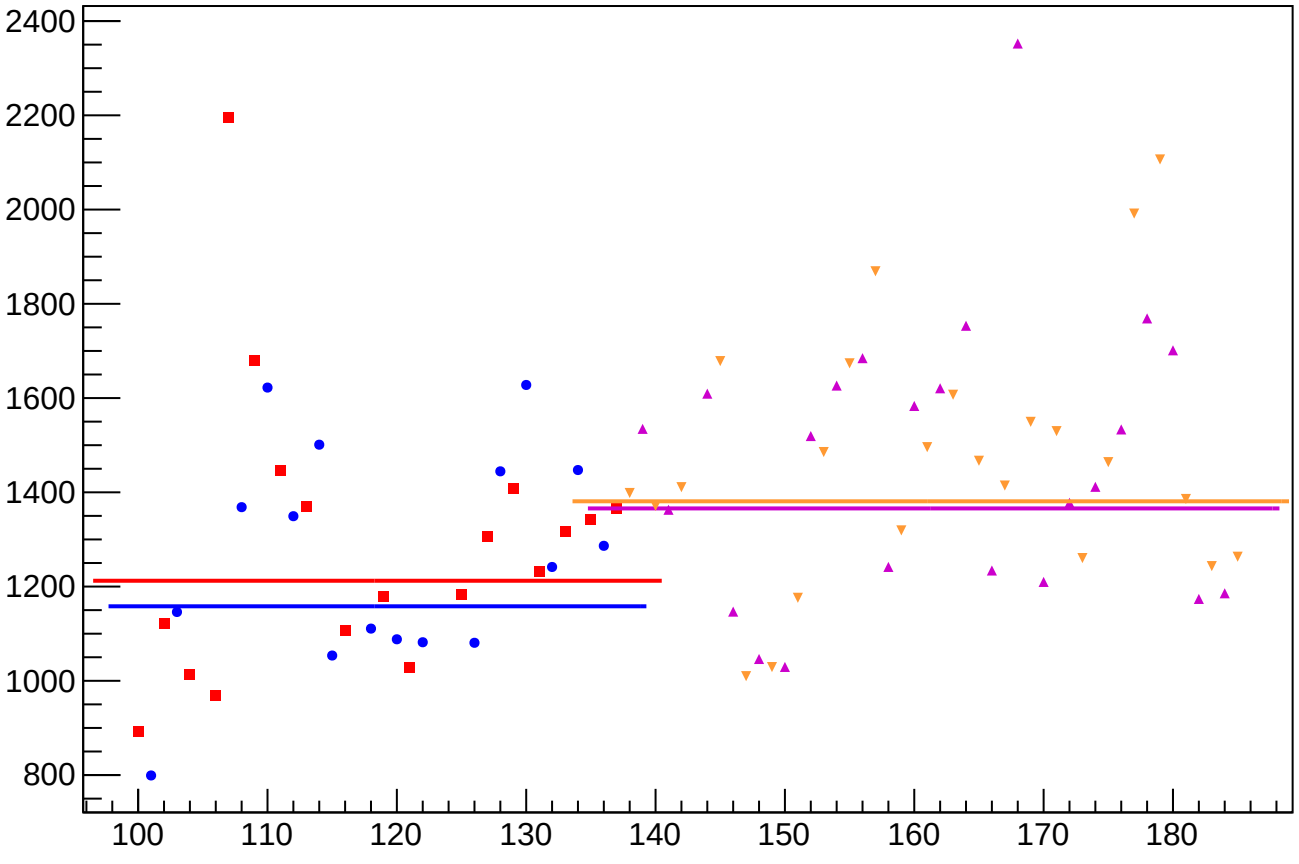
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

+ sign 777.410+/-0.108 χ^2/NDF: 15371.0/39

All: 779.810+/-0.077 χ^2/NDF: 383271.1/81

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


asym_us_avg_overload_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -178.457+/-441.218 χ²/NDF: 15.7/15
Left Out: -174.932+/-327.991 χ²/NDF:29.6/23
Right Out: 58.040+/-455.216 χ²/NDF: 15.3/17
Left In: 52.820+/-326.124 χ²/NDF:13.0/22
+ sign -176.186+/-263.227 χ²/NDF: 45.3/39
All: -61.621+/-186.792 χ²/NDF: 73.9/80
- sign 54.591+/-265.111 χ²/NDF: 28.2/40



Right In: 1158.134+/-0.312 χ^2/NDF: 569144.8/15

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

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

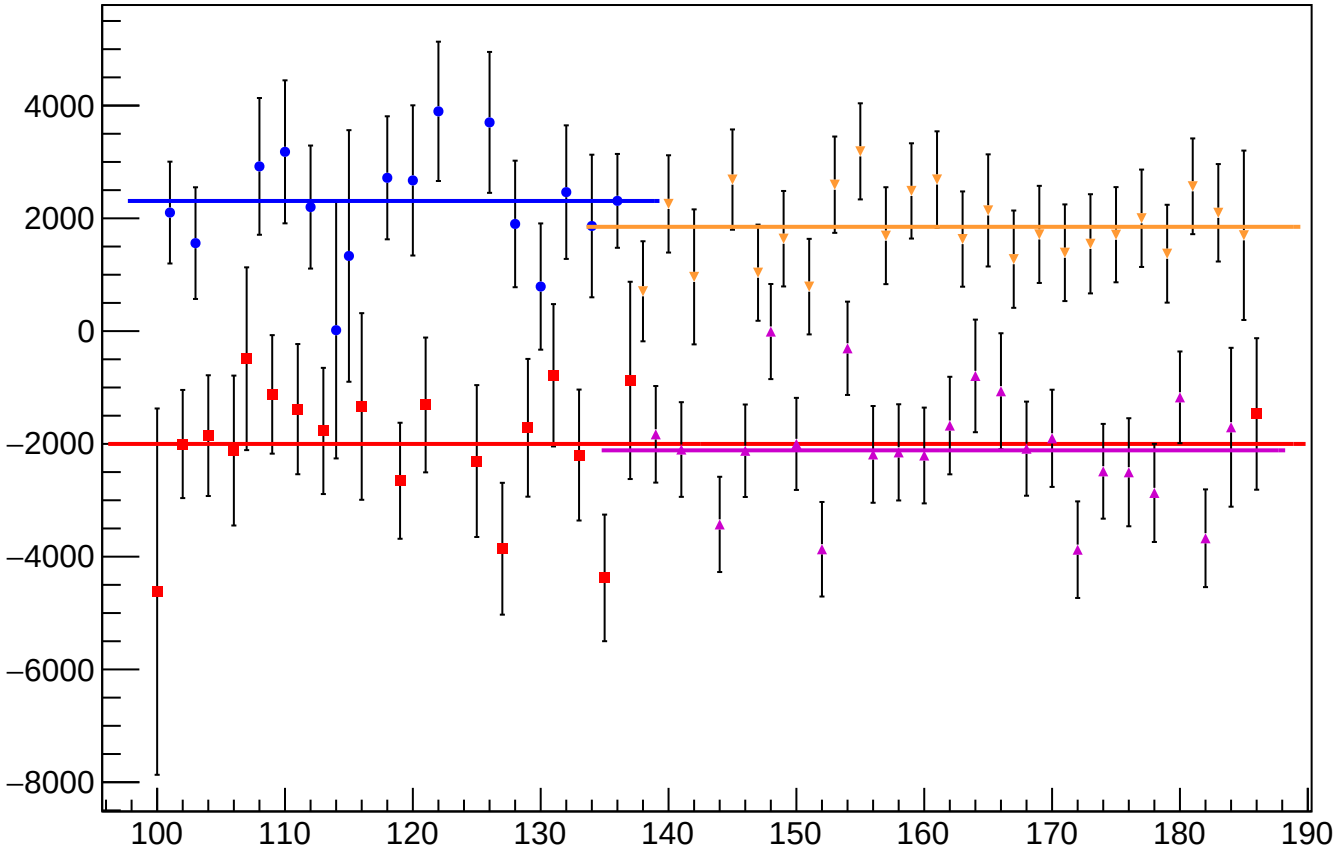
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

+ sign 1301.646+/-0.186 χ^2/NDF: 2053104.9/39

All: 1307.660+/-0.132 χ^2/NDF: 3912218.9/80

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

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

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

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

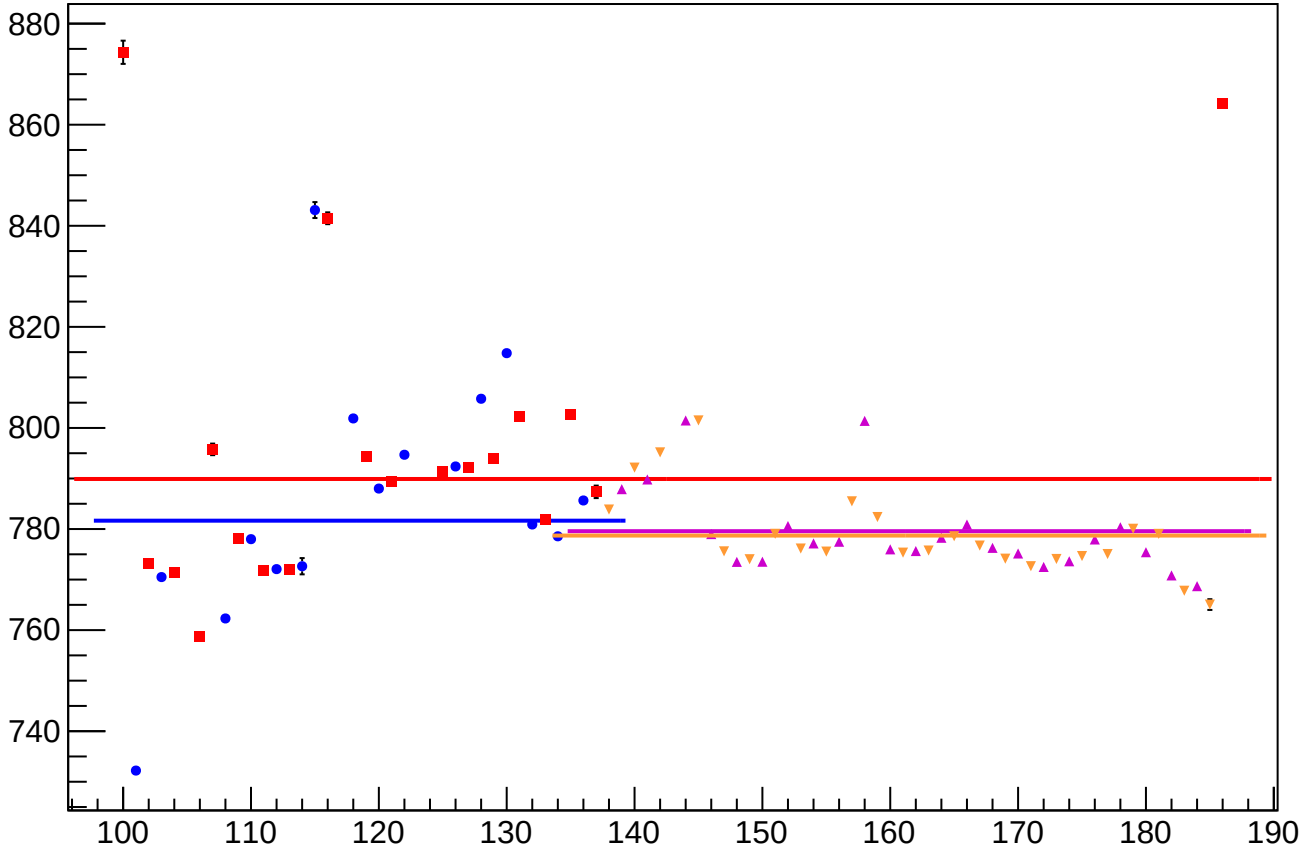
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1977.605+/-153.452 χ^2/NDF: 22.4/39

All: -55.978+/-108.396 χ^2/NDF: 416.3/81

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

eigen_cor_asym_us_avg_rms vs Slug



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

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

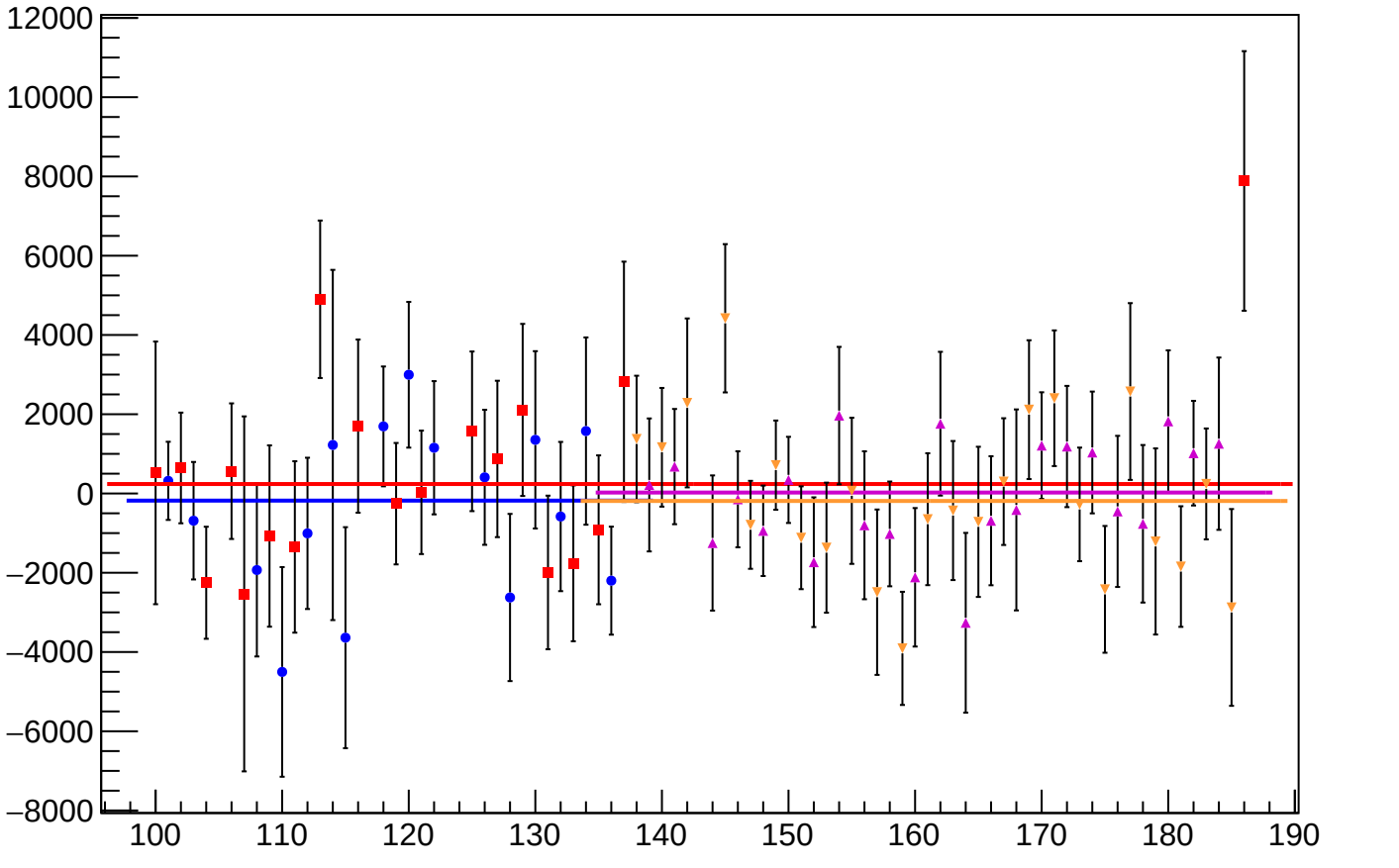
Right Out: 789.904+/-0.200 χ^2/NDF: 13615.1/18

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

+ sign 779.531+/-0.109 χ^2/NDF: 15857.1/39

All: 781.065+/-0.077 χ^2/NDF: 35926.0/81

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



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

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

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

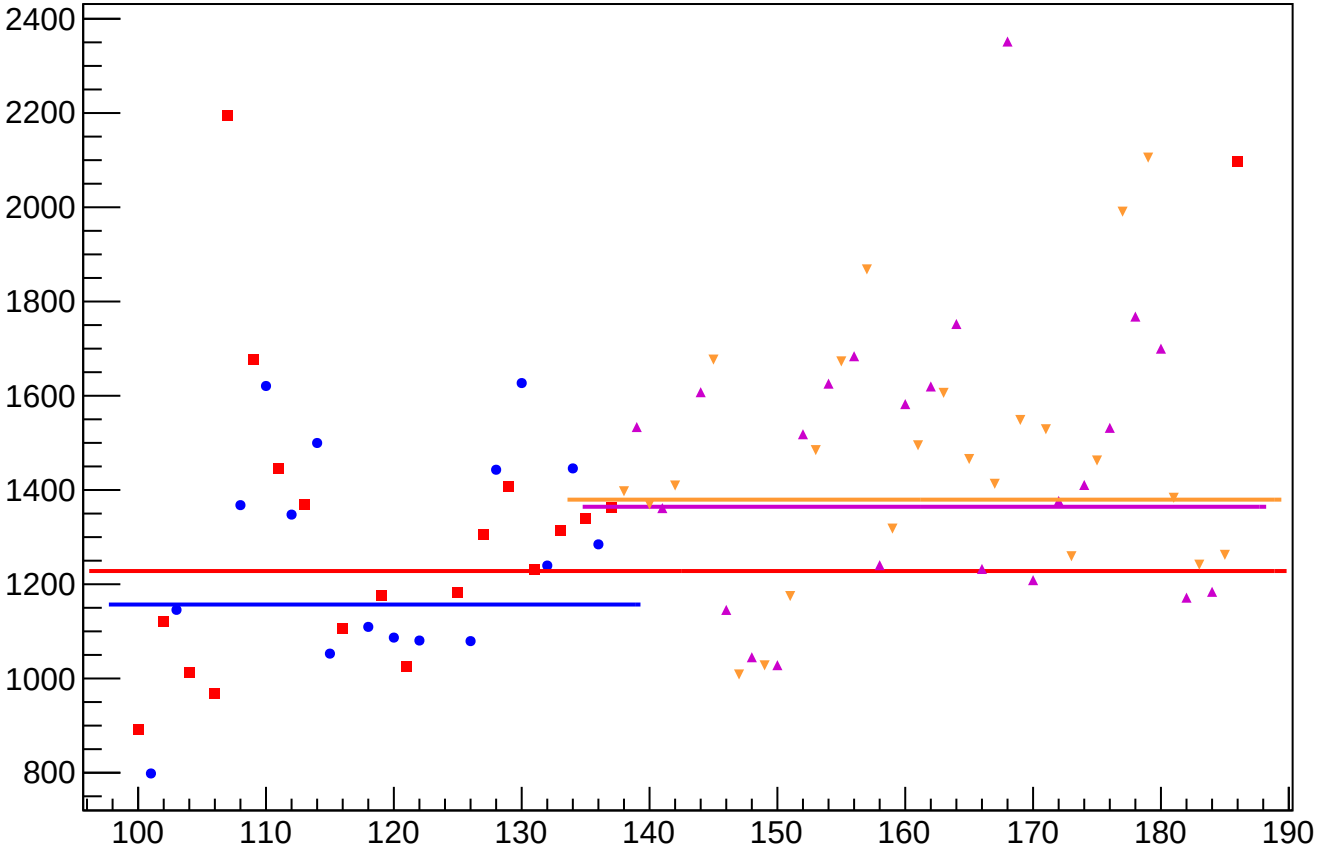
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -185.775+/-262.969 χ^2/NDF: 45.0/39

All: -44.648+/-186.310 χ^2/NDF: 79.9/81

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

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

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

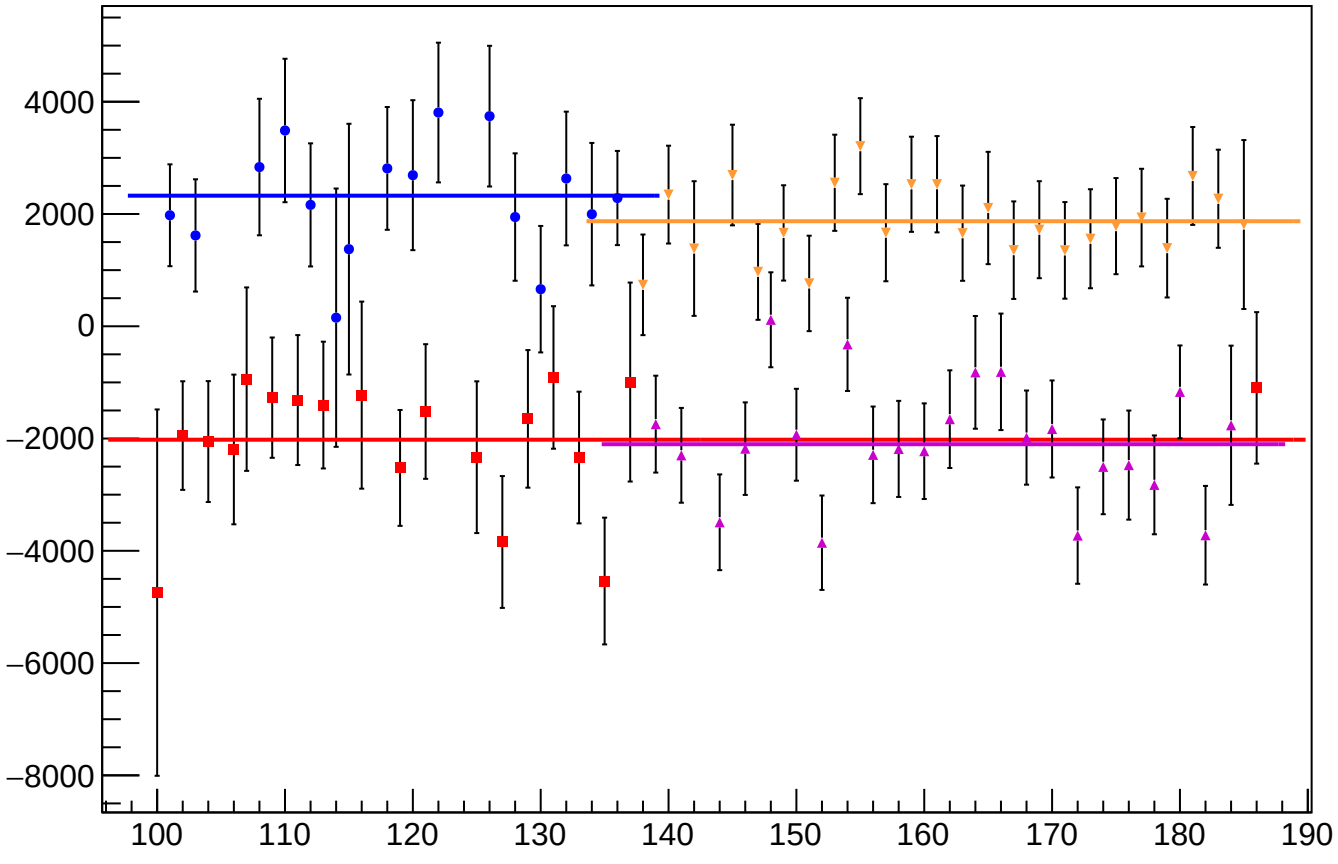
Right Out: 1228.036+/-0.319 χ^2/NDF: 541497.3/18

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

+ sign 1300.307+/-0.186 χ^2/NDF: 2056083.9/39

All: 1308.908+/-0.132 χ^2/NDF: 4034518.3/81

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



Right In: 2326.430+/-292.176 χ^2/NDF: 8.1/15

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

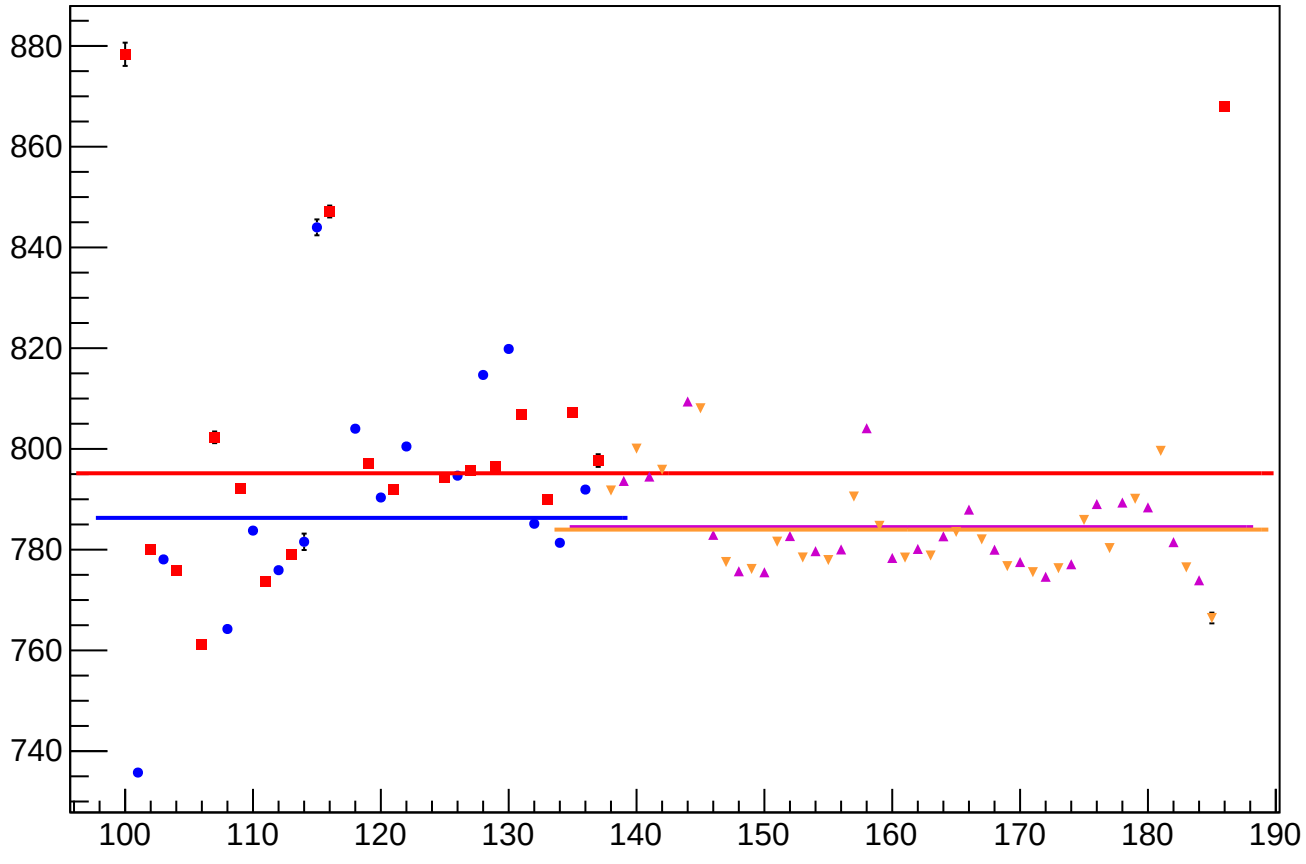
Right Out: -2020.807+/-285.199 χ^2/NDF: 12.1/18

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

+ sign 1998.621+/-154.466 χ^2/NDF: 22.4/39

All: -43.980+/-109.104 χ^2/NDF: 415.3/81

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



Right In: 786.309+/-0.207 χ^2/NDF: 12571.1/15

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

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

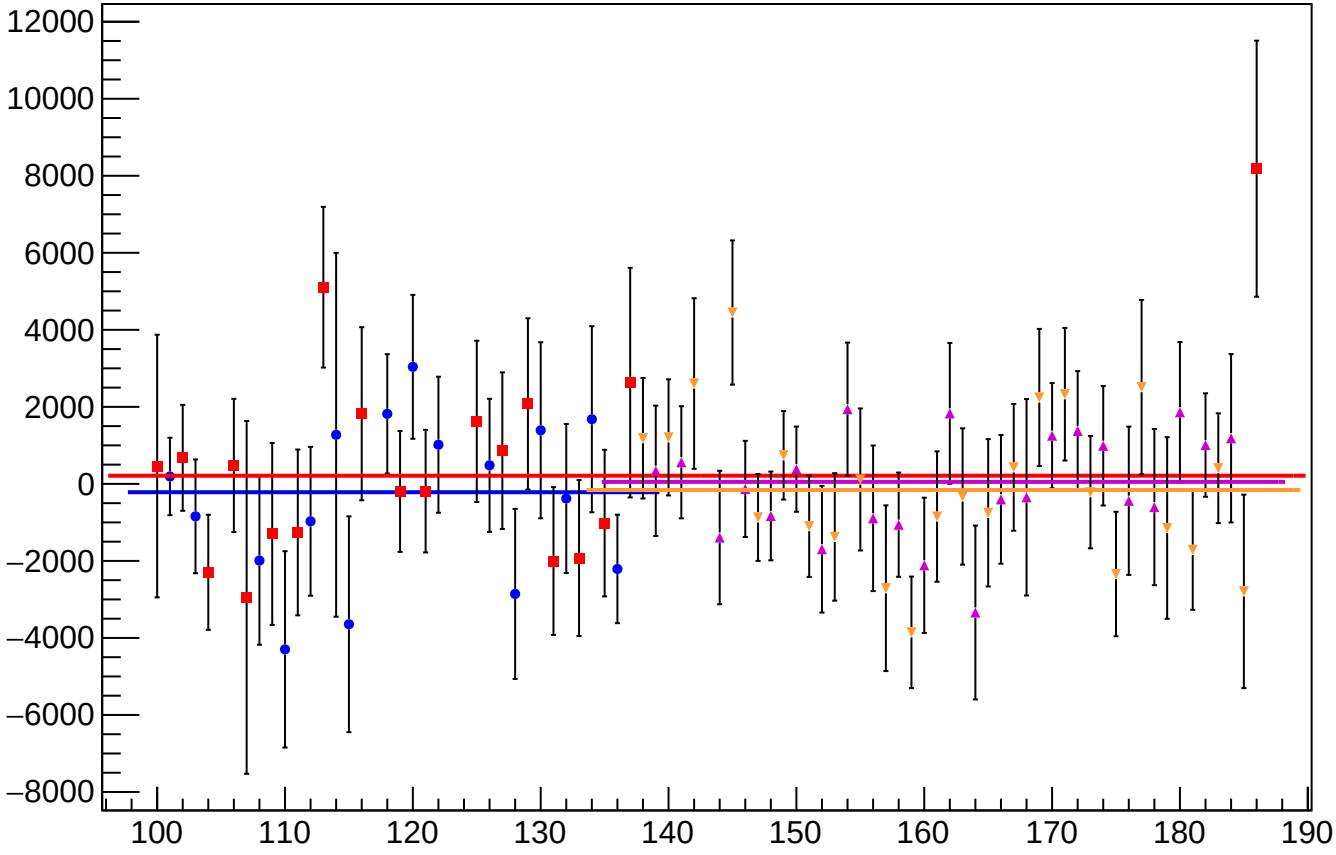
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.632+/-0.109 χ^2/NDF: 17590.6/39

All: 786.117+/-0.077 χ^2/NDF: 38001.5/81

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

asym_us_avg_dit_correction_mean vs Slug



Right In: -216.184+/-449.537 χ^2/NDF: 15.3/15

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

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

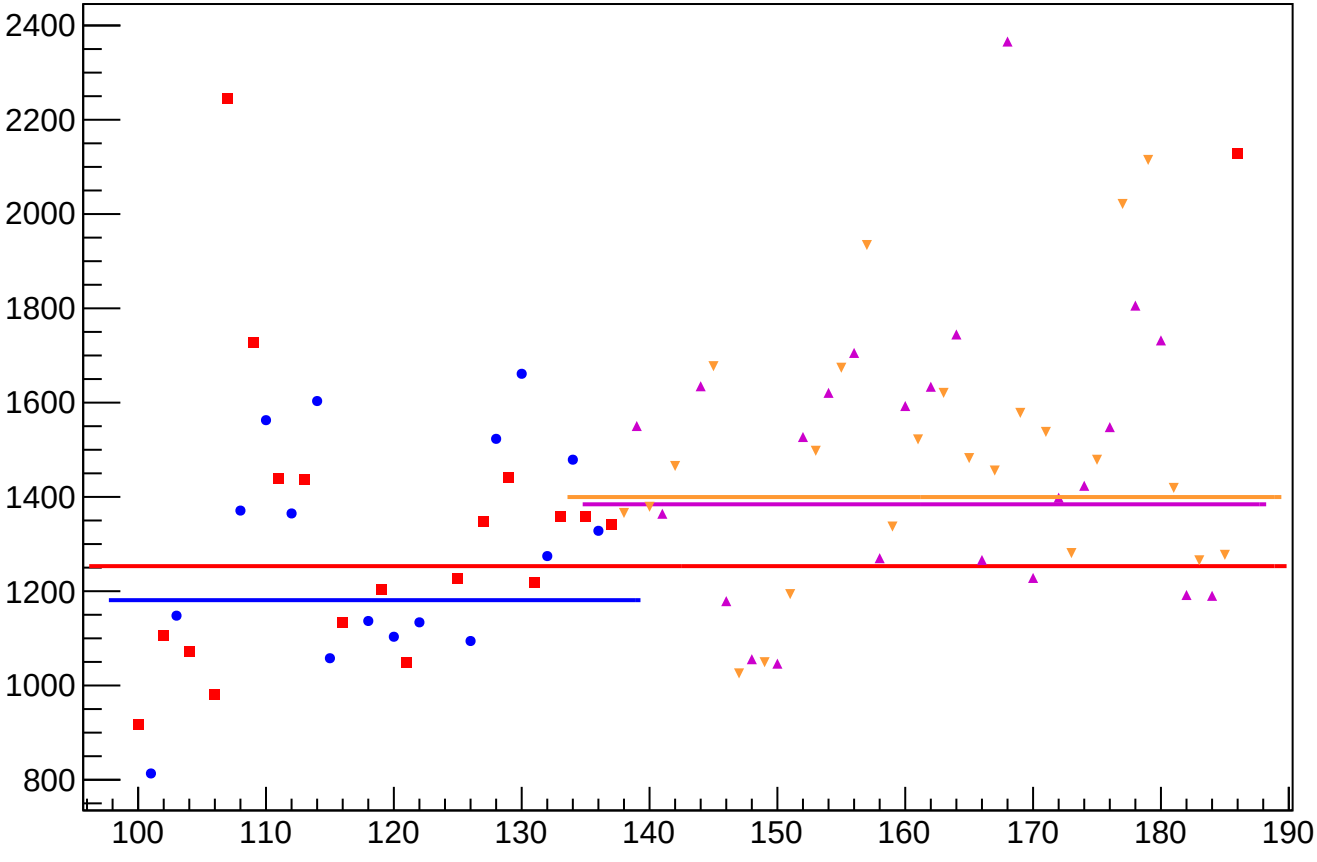
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -179.375+/-267.161 χ^2/NDF: 44.4/39

All: -36.969+/-189.261 χ^2/NDF: 79.5/81

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

asym_us_avg_dit_correction_rms vs Slug



Right In: 1180.998+/-0.318 χ^2/NDF: 571107.8/15

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

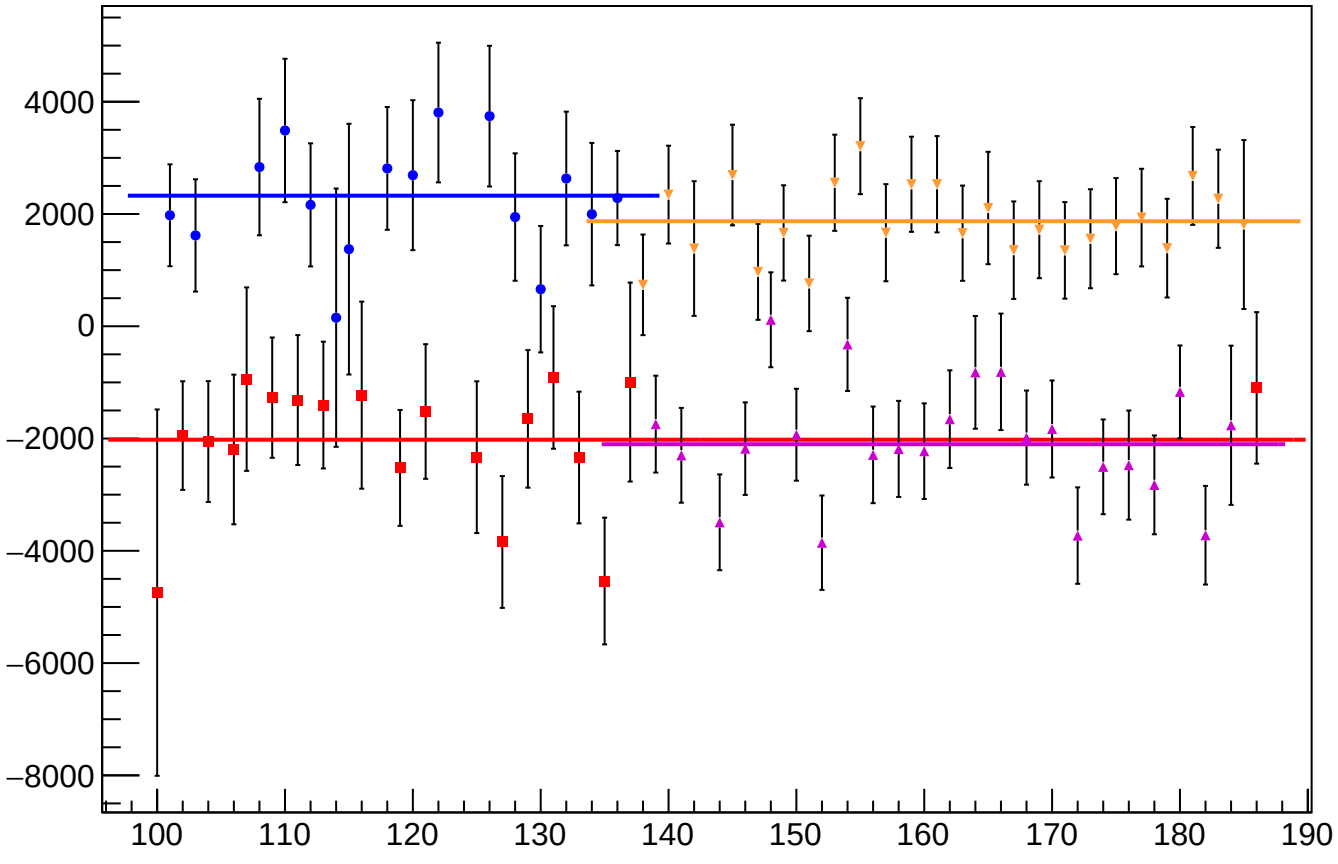
Right Out: 1253.177+/-0.325 χ^2/NDF: 538463.8/18

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

+ sign 1322.466+/-0.189 χ^2/NDF: 2013686.2/39

All: 1331.037+/-0.134 χ^2/NDF: 3933664.3/81

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



Right In: 2326.429+/-292.176 χ^2/NDF: 8.1/15

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

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

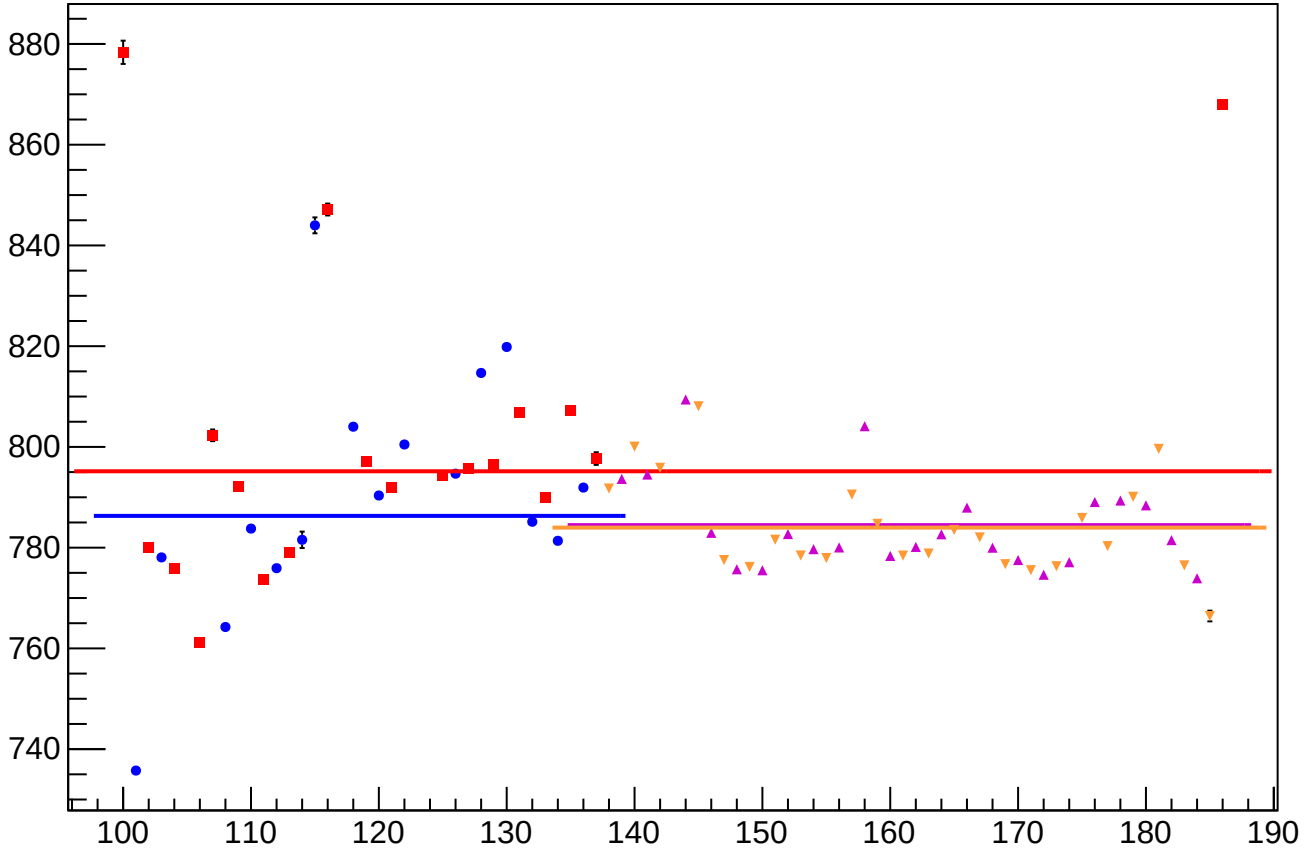
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 1998.619+/-154.466 χ^2/NDF: 22.4/39

All: -43.981+/-109.104 χ^2/NDF: 415.3/81

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

eigen_dit_asym_us_avg_rms vs Slug



Right In: 786.309+/-0.207 χ^2/NDF: 12571.0/15

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

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

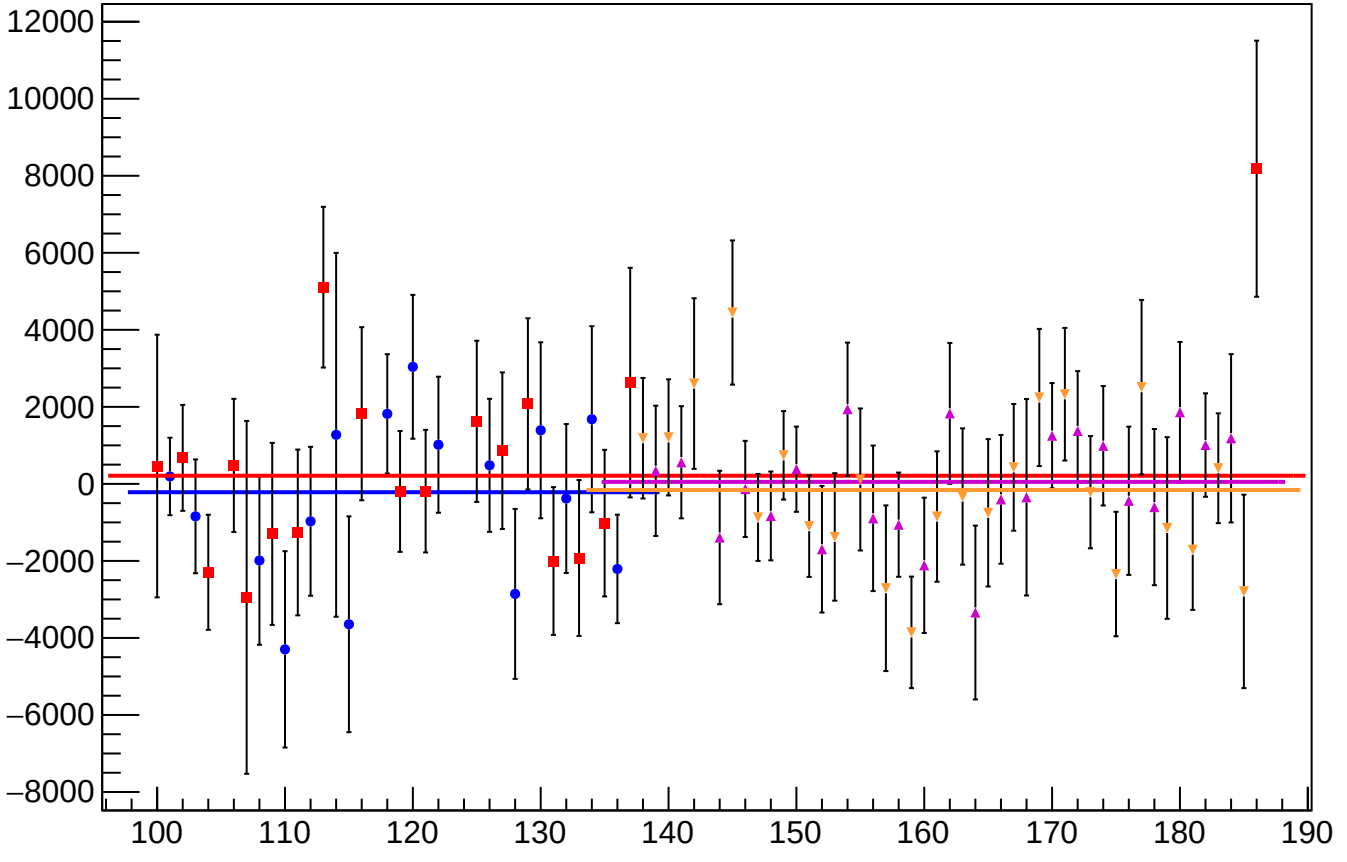
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.632+/-0.109 χ^2/NDF: 17590.5/39

All: 786.117+/-0.077 χ^2/NDF: 38001.3/81

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

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: -216.183+/-449.536 χ^2/NDF: 15.3/15

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

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

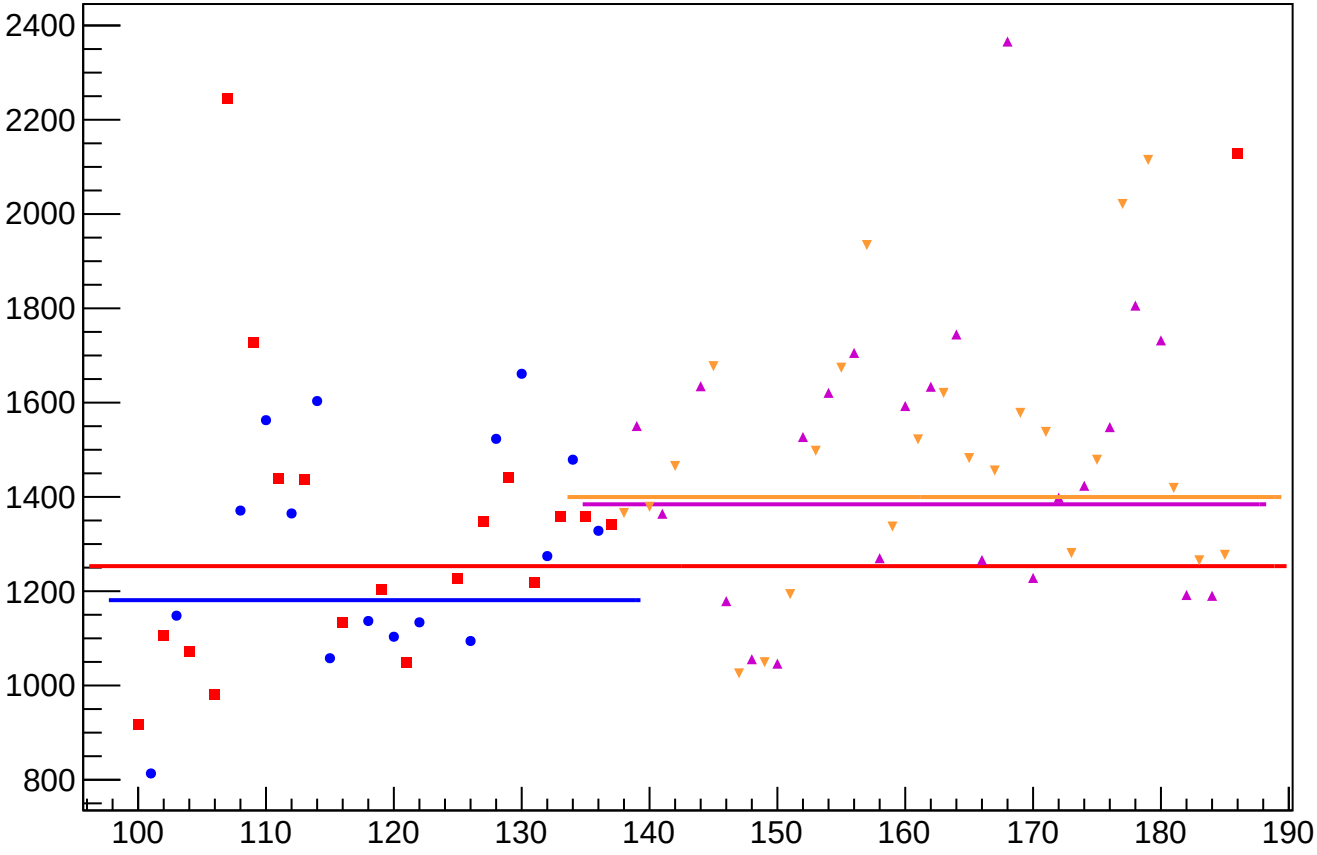
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

+ sign -179.377+/-267.161 χ^2/NDF: 44.4/39

All: -36.971+/-189.261 χ^2/NDF: 79.5/81

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

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1180.995+/-0.318 χ^2/NDF: 571105.7/15

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

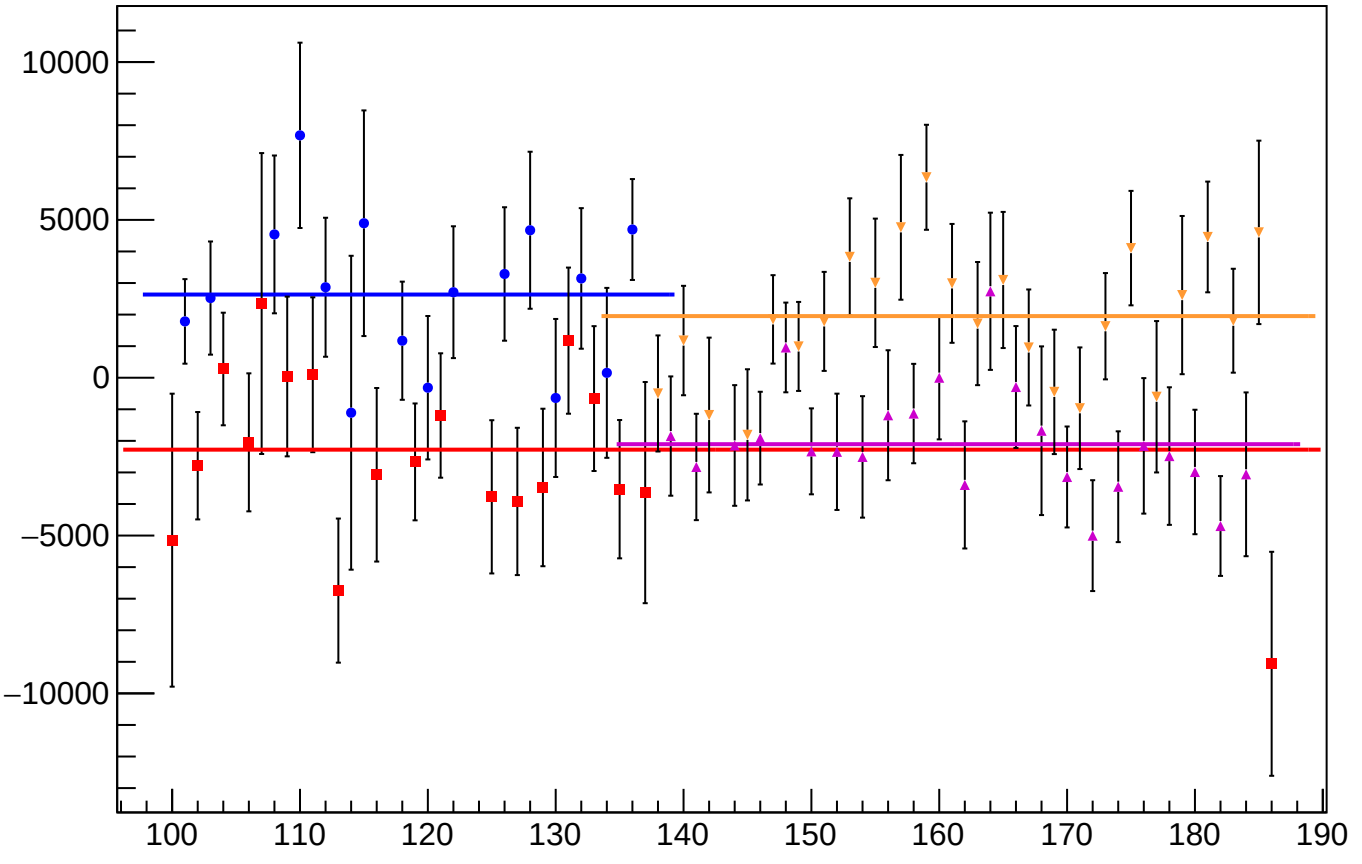
Right Out: 1253.174+/-0.325 χ^2/NDF: 538464.3/18

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

+ sign 1322.466+/-0.189 χ^2/NDF: 2013701.4/39

All: 1331.037+/-0.134 χ^2/NDF: 3933690.6/81

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



Right In: 2635.397+/-538.034 χ^2/NDF: 12.3/15

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

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

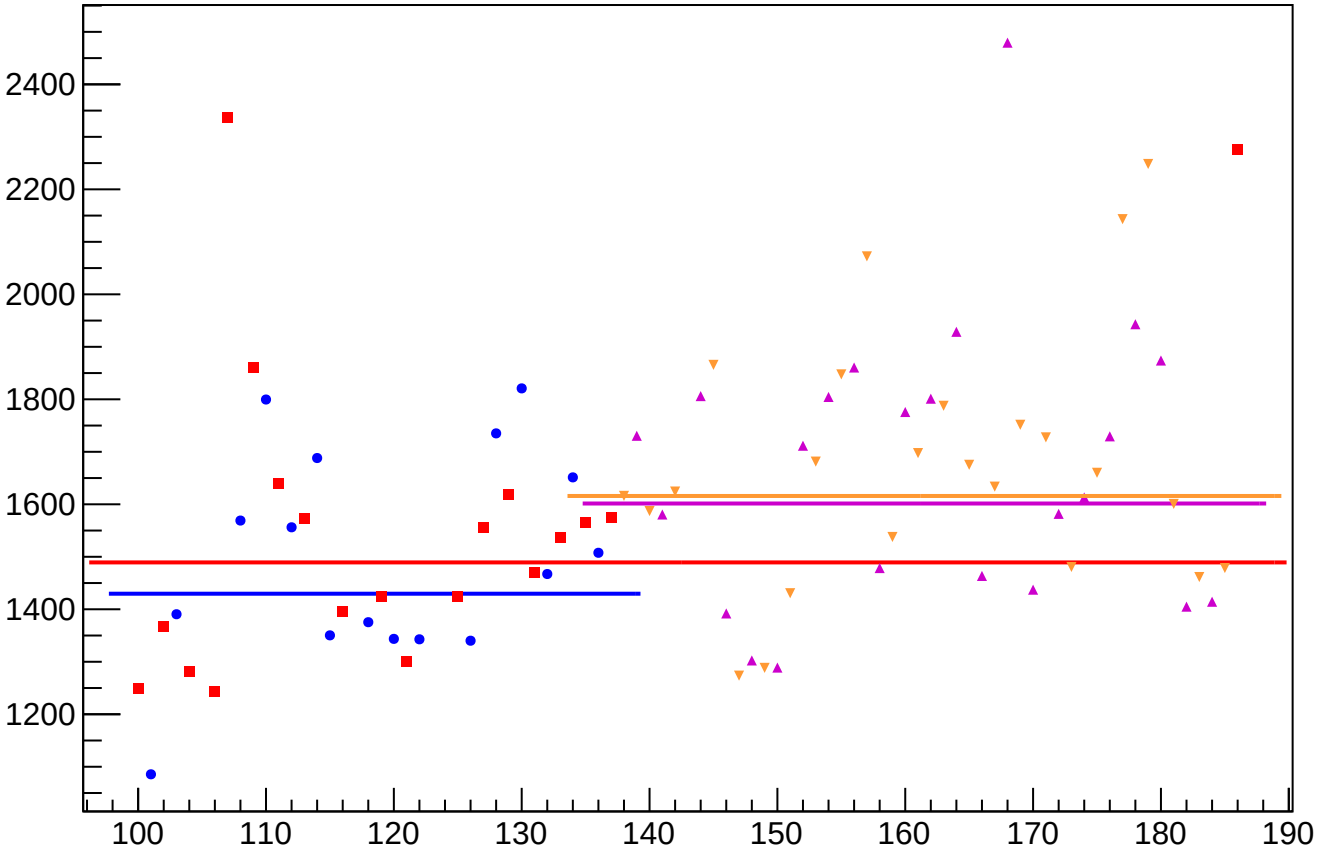
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2179.927+/-310.537 χ^2/NDF: 40.7/39

All: 8.137+/-219.552 χ^2/NDF: 174.6/81

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

asym_us_avg_rms vs Slug



Right In: 1429.654+/-0.380 χ^2/NDF: 293388.5/15

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

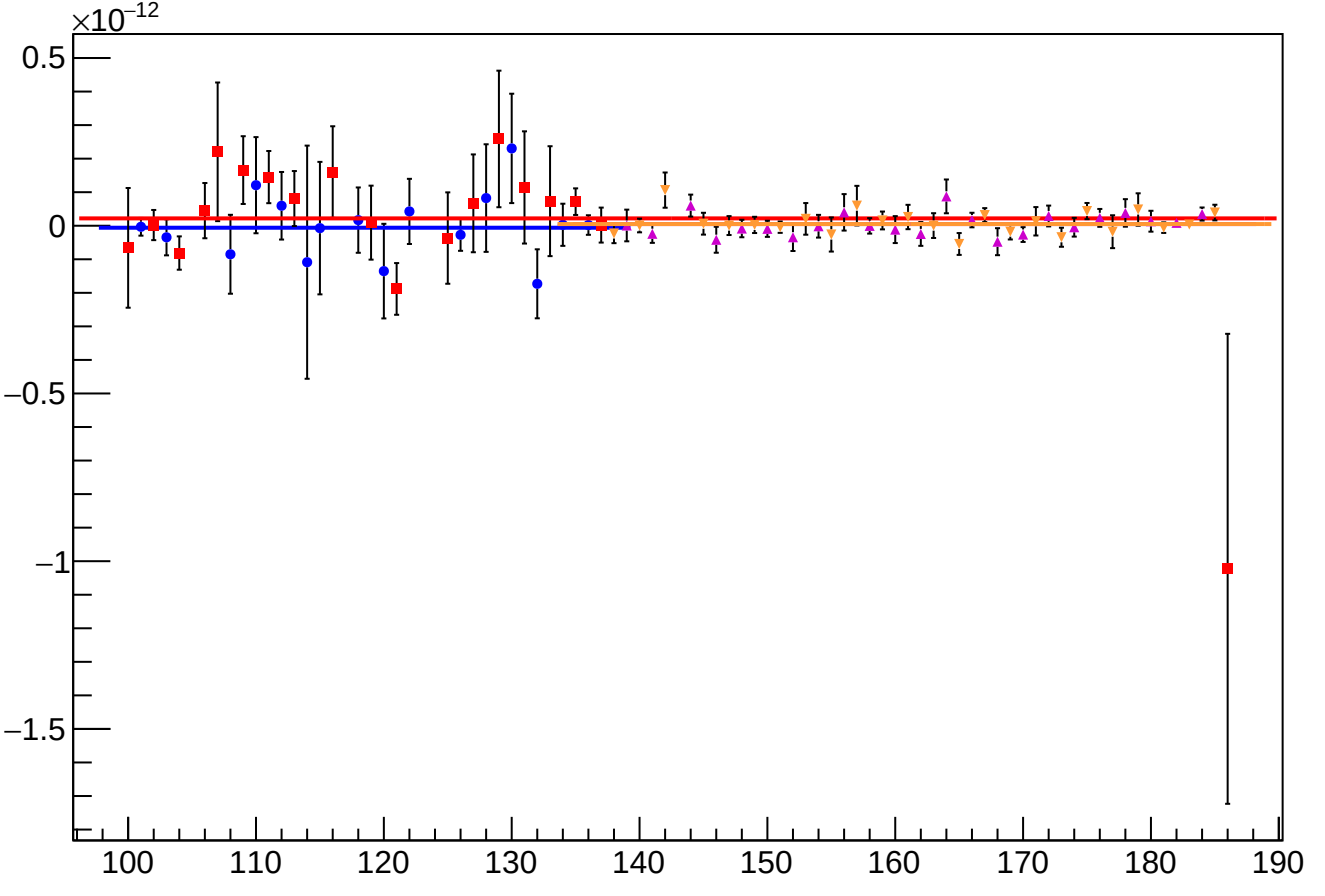
Right Out: 1489.280+/-0.383 χ^2/NDF: 318557.4/18

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

+ sign 1553.826+/-0.220 χ^2/NDF: 1147481.4/39

All: 1559.191+/-0.155 χ^2/NDF: 2318660.2/81

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



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/15

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

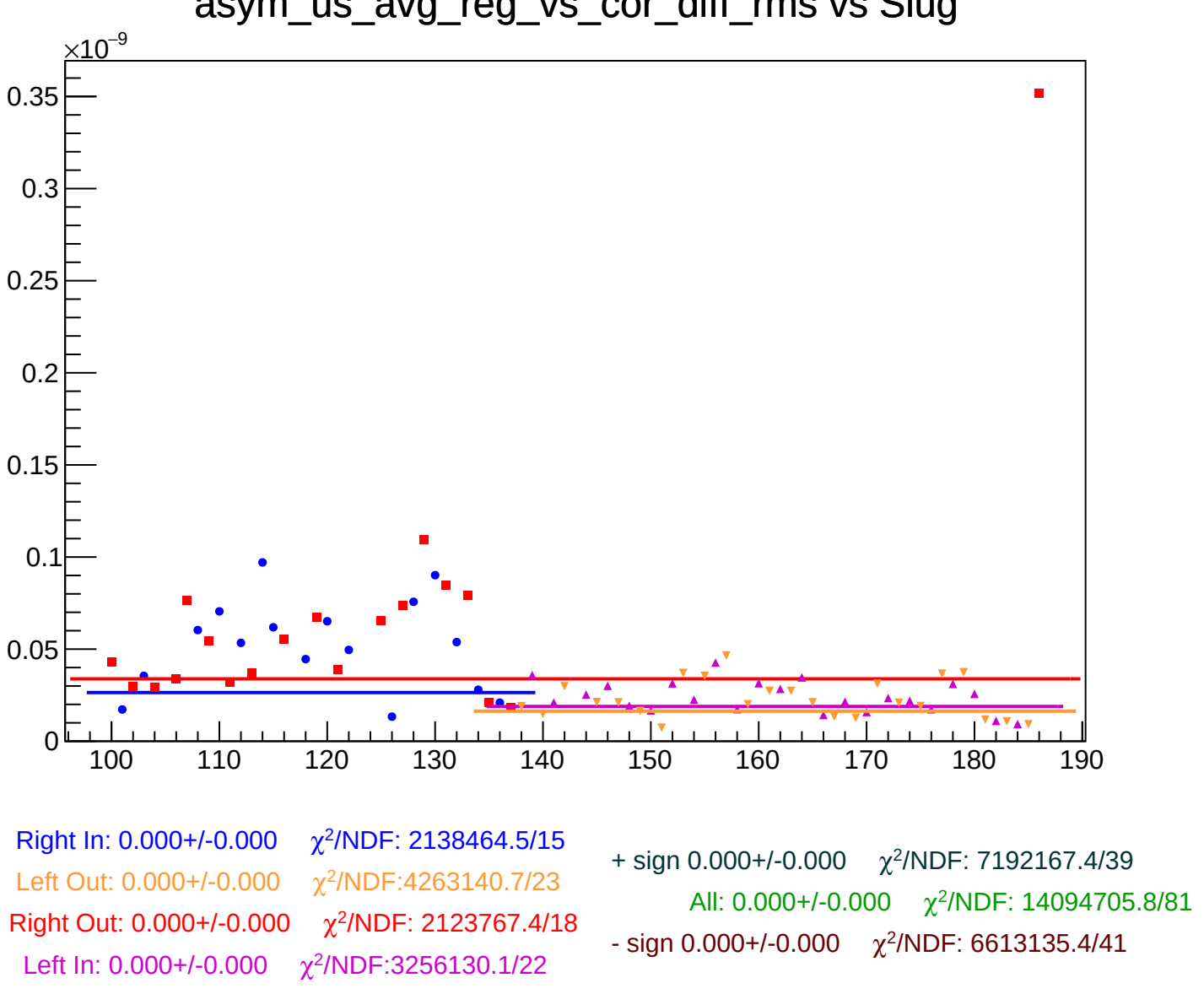
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

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

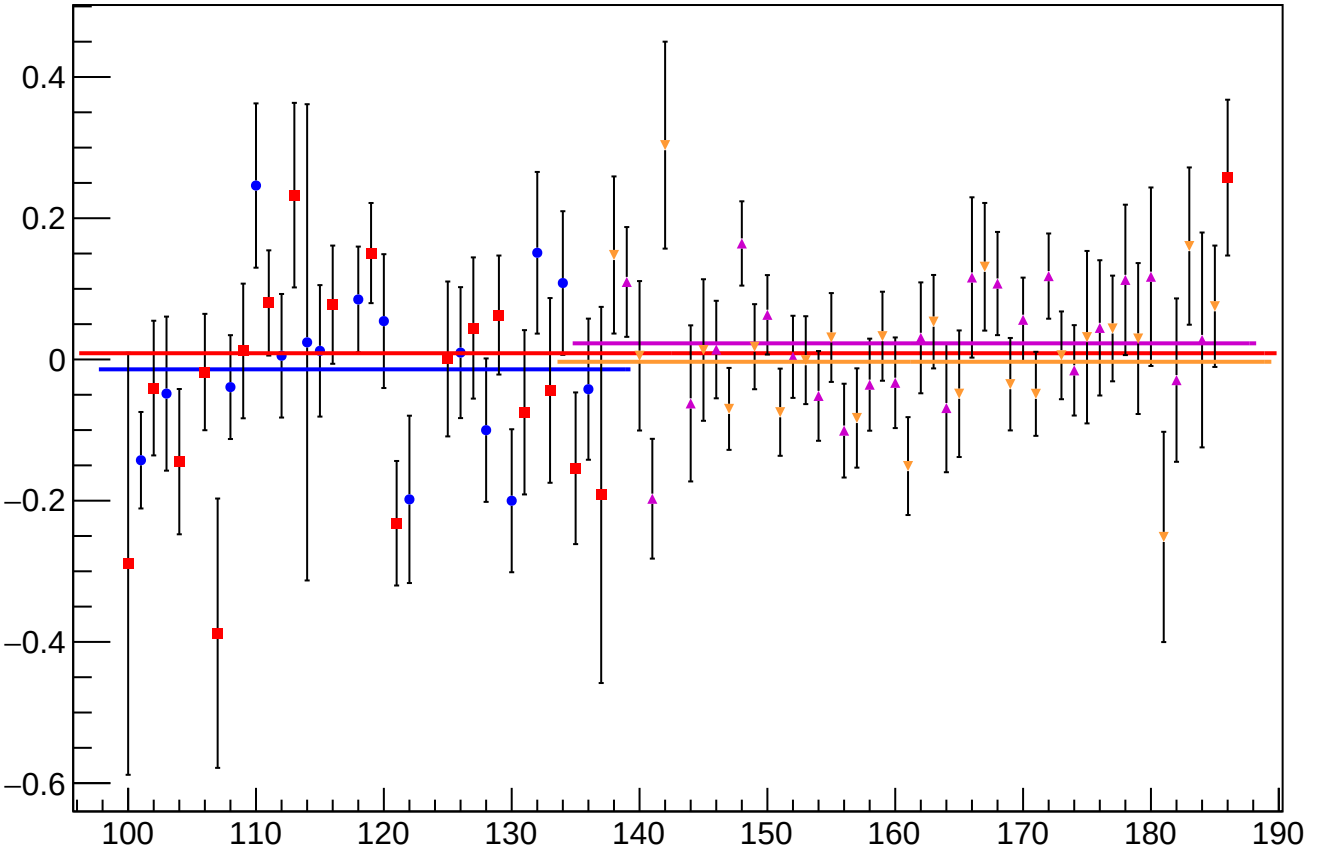
+ sign 0.000+/-0.000 χ^2/NDF: 30.0/39

All: 0.000+/-0.000 χ^2/NDF: 75.6/81

- sign 0.000+/-0.000 χ^2/NDF: 45.4/41


asym_us_avg_reg_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: 2138464.5/15
Left Out: 0.000+/-0.000 χ²/NDF:4263140.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 2123767.4/18
Left In: 0.000+/-0.000 χ²/NDF:3256130.1/22
+ sign 0.000+/-0.000 χ²/NDF: 7192167.4/39
All: 0.000+/-0.000 χ²/NDF: 14094705.8/81
- sign 0.000+/-0.000 χ²/NDF: 6613135.4/41

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

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

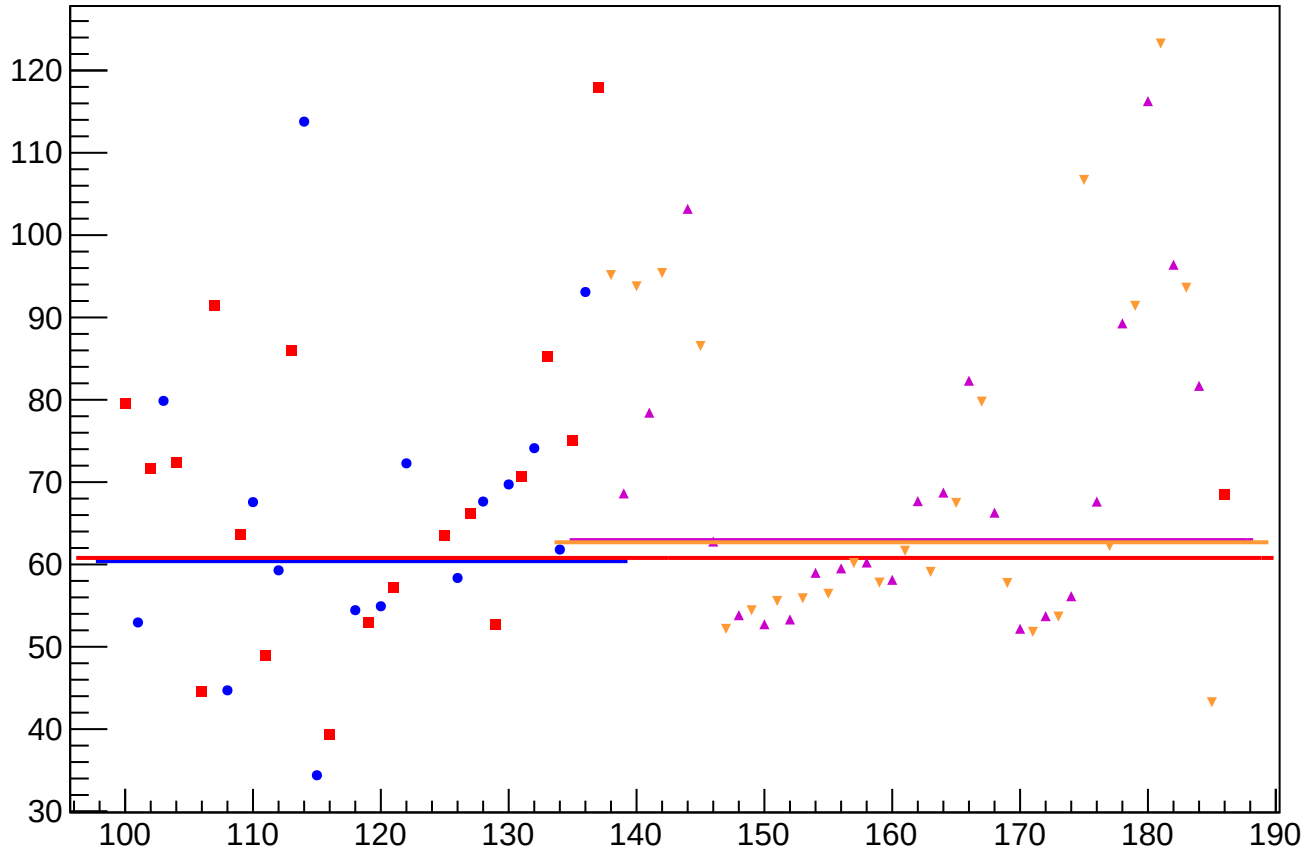
Right Out: 0.009+/-0.023 χ^2/NDF: 33.1/18

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

+ sign -0.006+/-0.013 χ^2/NDF: 47.4/39

All: 0.006+/-0.009 χ^2/NDF: 111.5/81

- sign 0.019+/-0.013 χ^2/NDF: 62.3/41



Right In: 60.399+/-0.017 χ^2/NDF: 703157.1/15

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

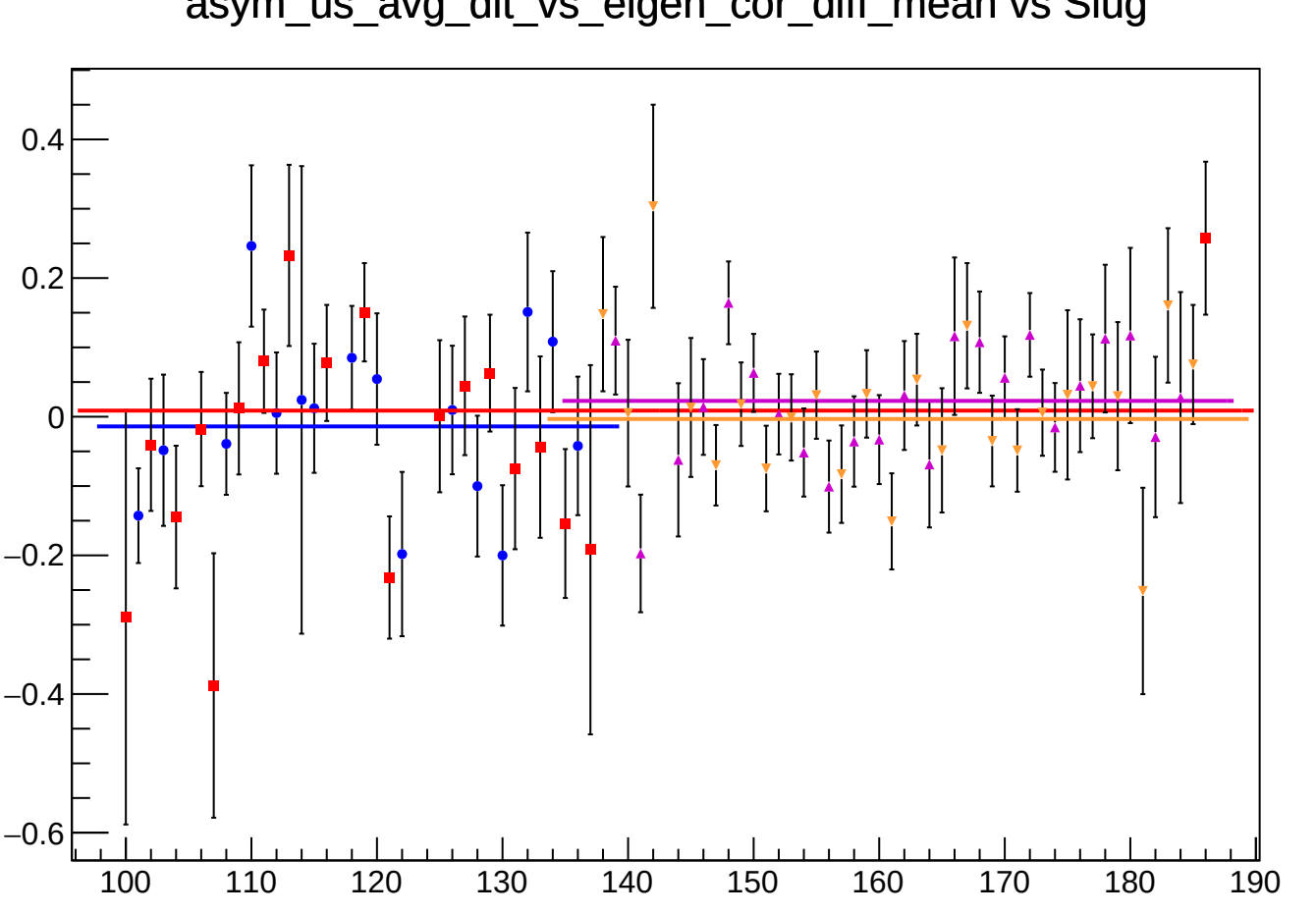
Right Out: 60.793+/-0.016 χ^2/NDF: 721343.5/18

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

+ sign 62.014+/-0.009 χ^2/NDF: 2655568.4/39

All: 62.153+/-0.006 χ^2/NDF: 4819771.9/81

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



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

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

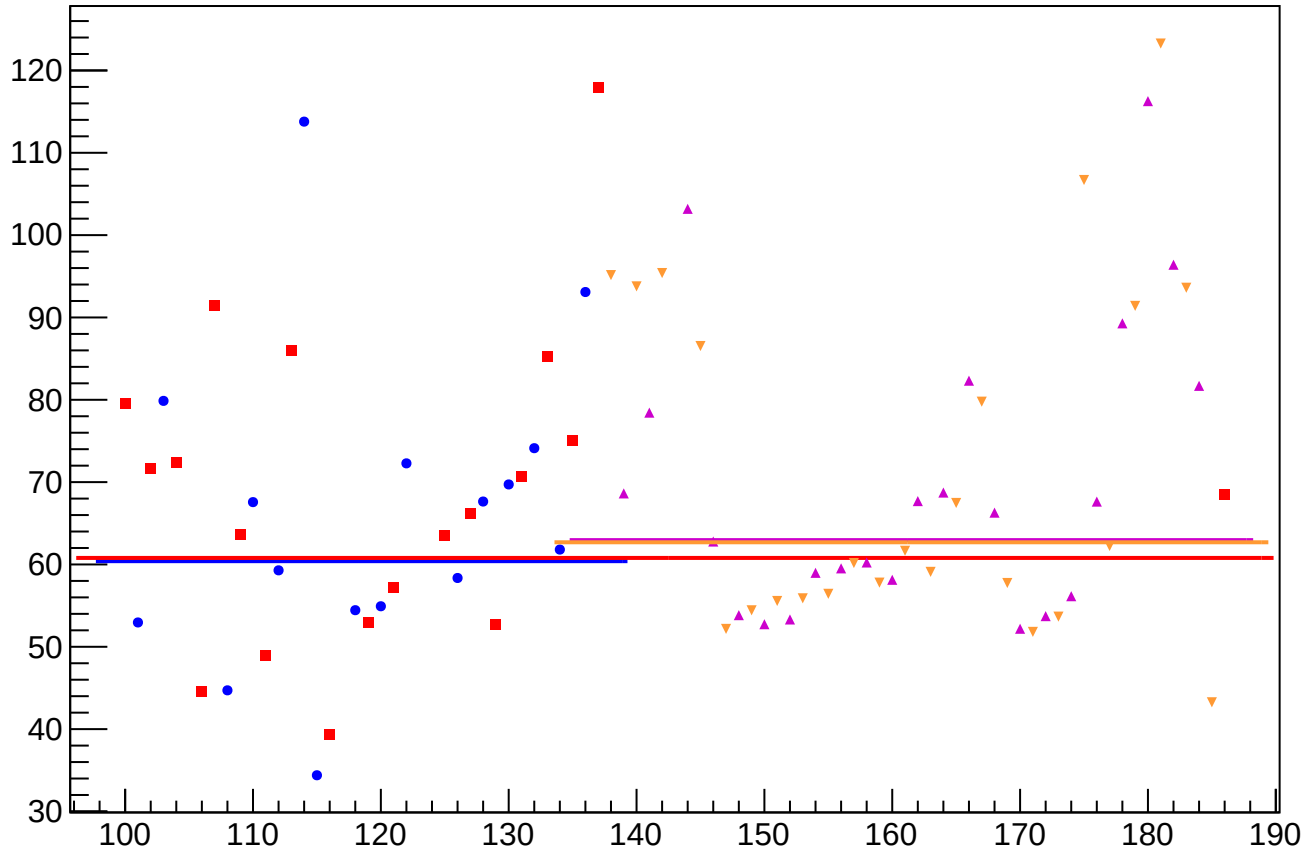
Right Out: 0.009+/-0.023 χ^2/NDF: 33.1/18

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

+ sign -0.006+/-0.013 χ^2/NDF: 47.4/39

All: 0.006+/-0.009 χ^2/NDF: 111.5/81

- sign 0.019+/-0.013 χ^2/NDF: 62.3/41



Right In: 60.399+/-0.017 χ^2/NDF: 703157.1/15

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

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

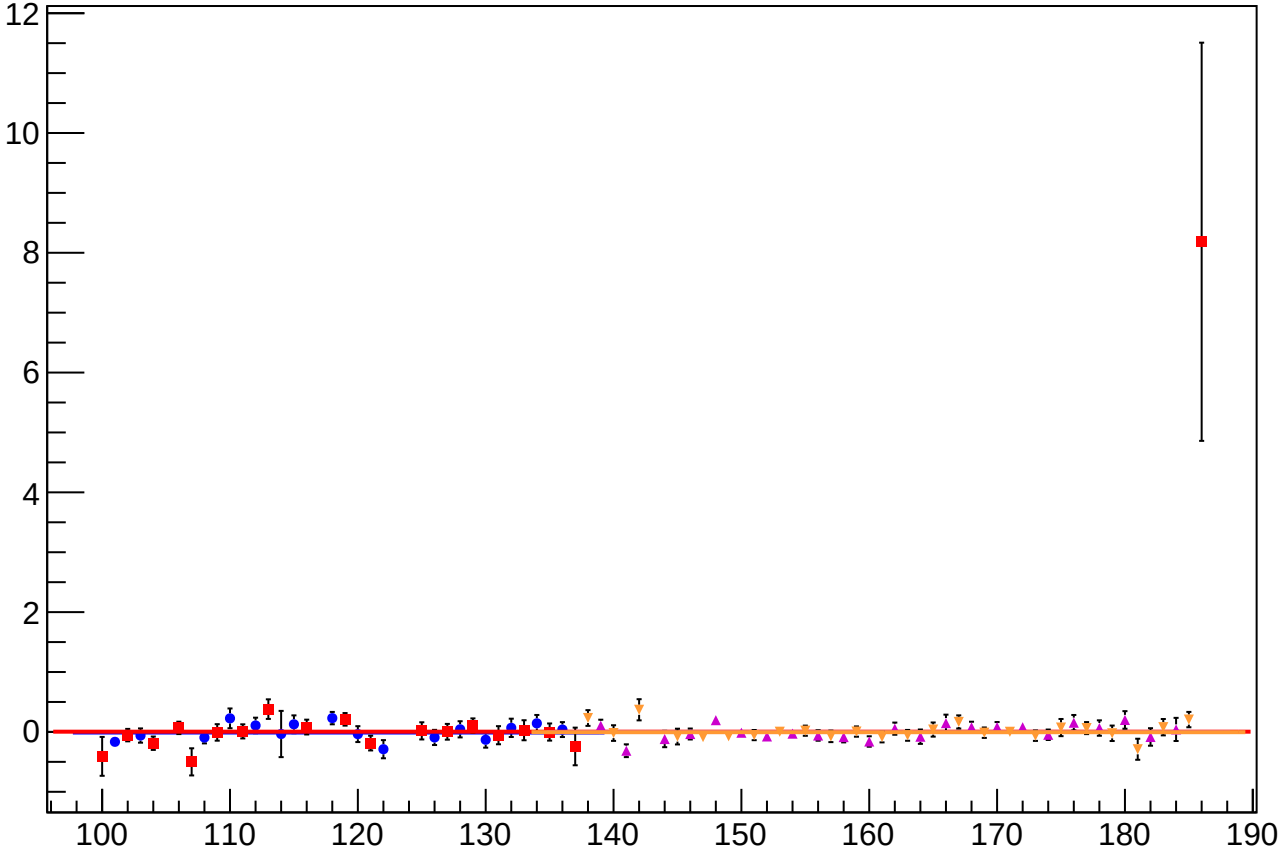
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 62.014+/-0.009 χ^2/NDF: 2655568.4/39

All: 62.153+/-0.006 χ^2/NDF: 4819771.9/81

- 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: 20.2/15

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

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

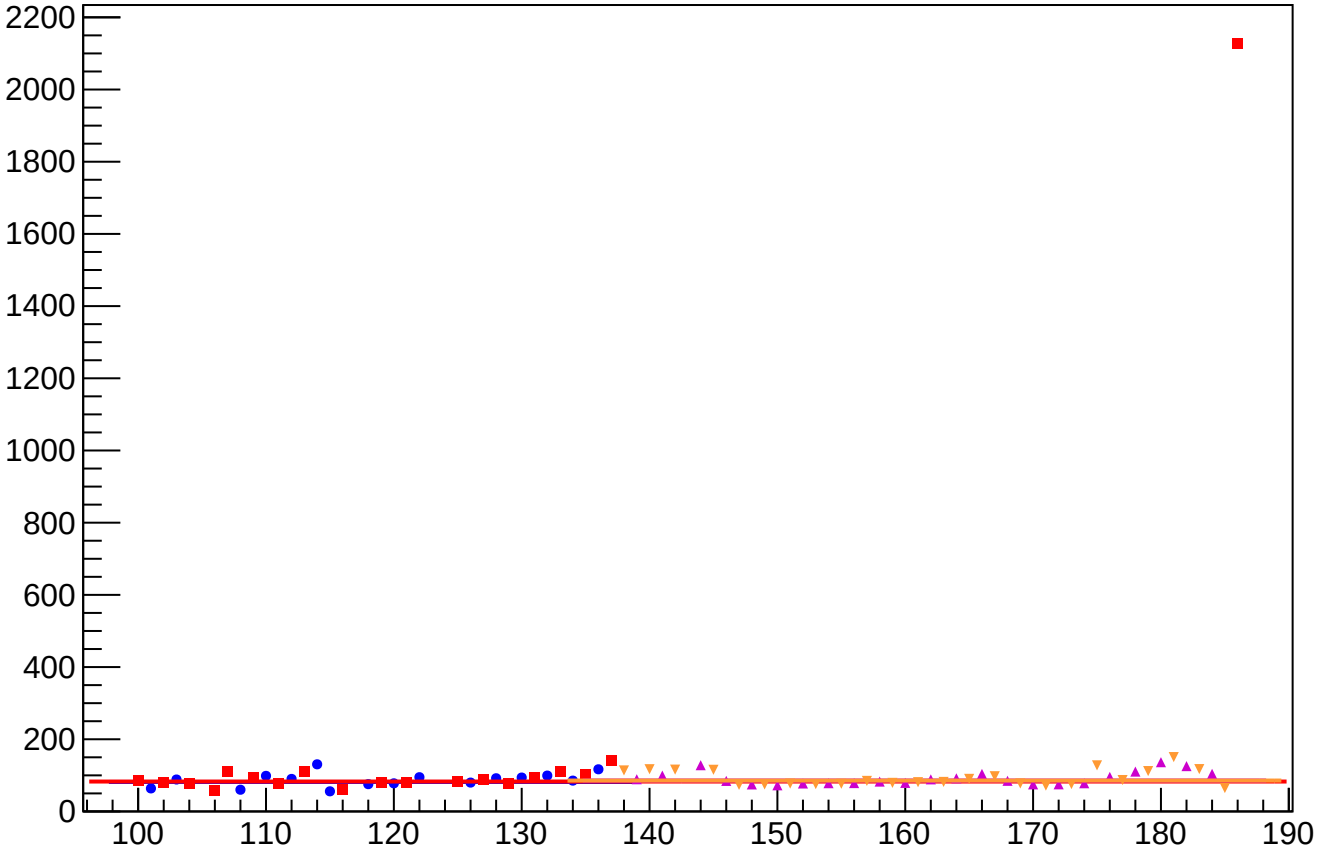
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign -0.006+/-0.017 χ^2/NDF: 41.5/39

All: -0.003+/-0.012 χ^2/NDF: 101.9/81

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

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 81.664+/-0.022 χ^2/NDF: 561848.8/15

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

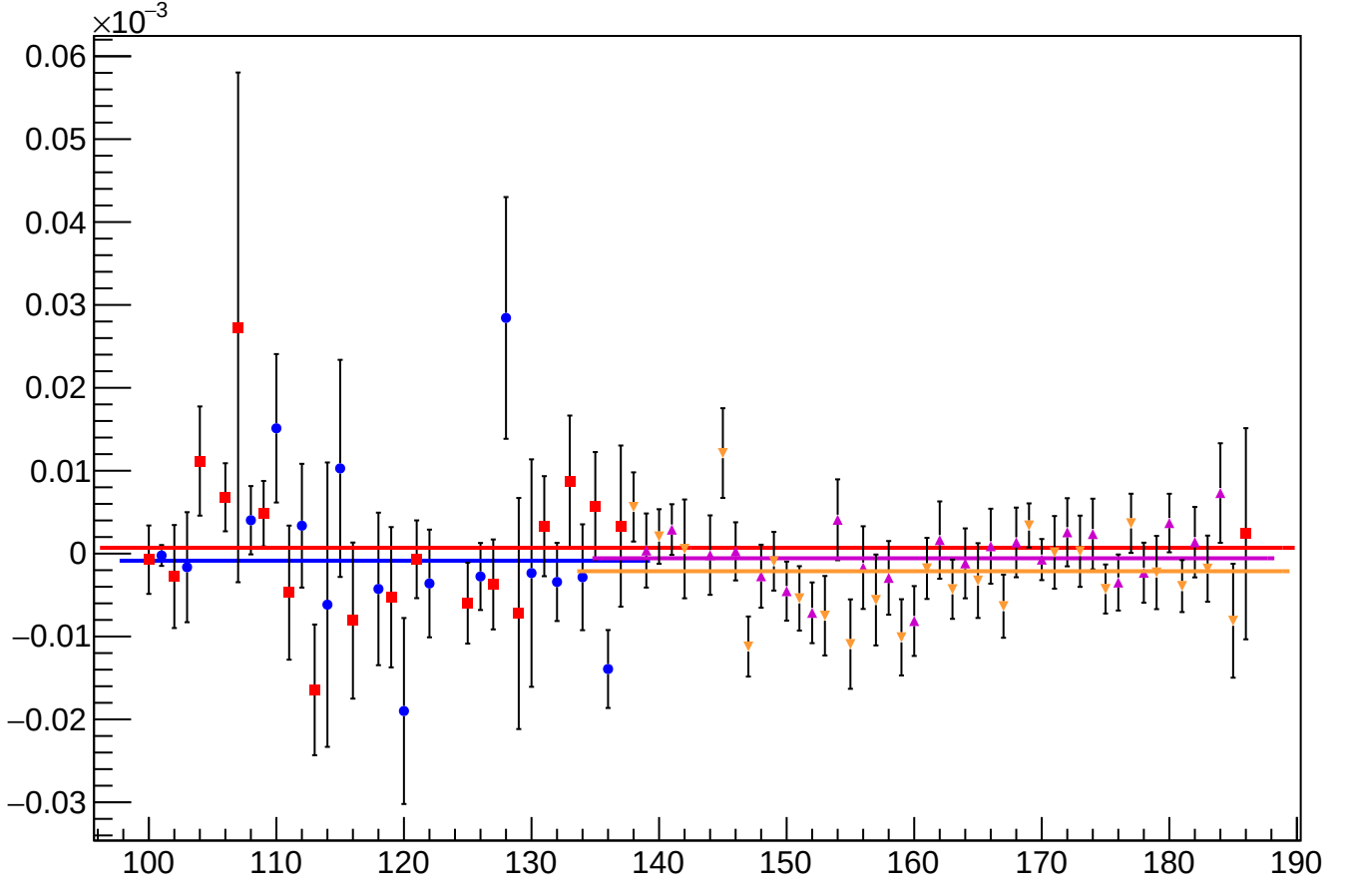
Right Out: 82.888+/-0.022 χ^2/NDF: 1230130.0/18

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

+ sign 84.455+/-0.012 χ^2/NDF: 1936878.2/39

All: 84.651+/-0.009 χ^2/NDF: 4174250.2/81

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



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/15

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

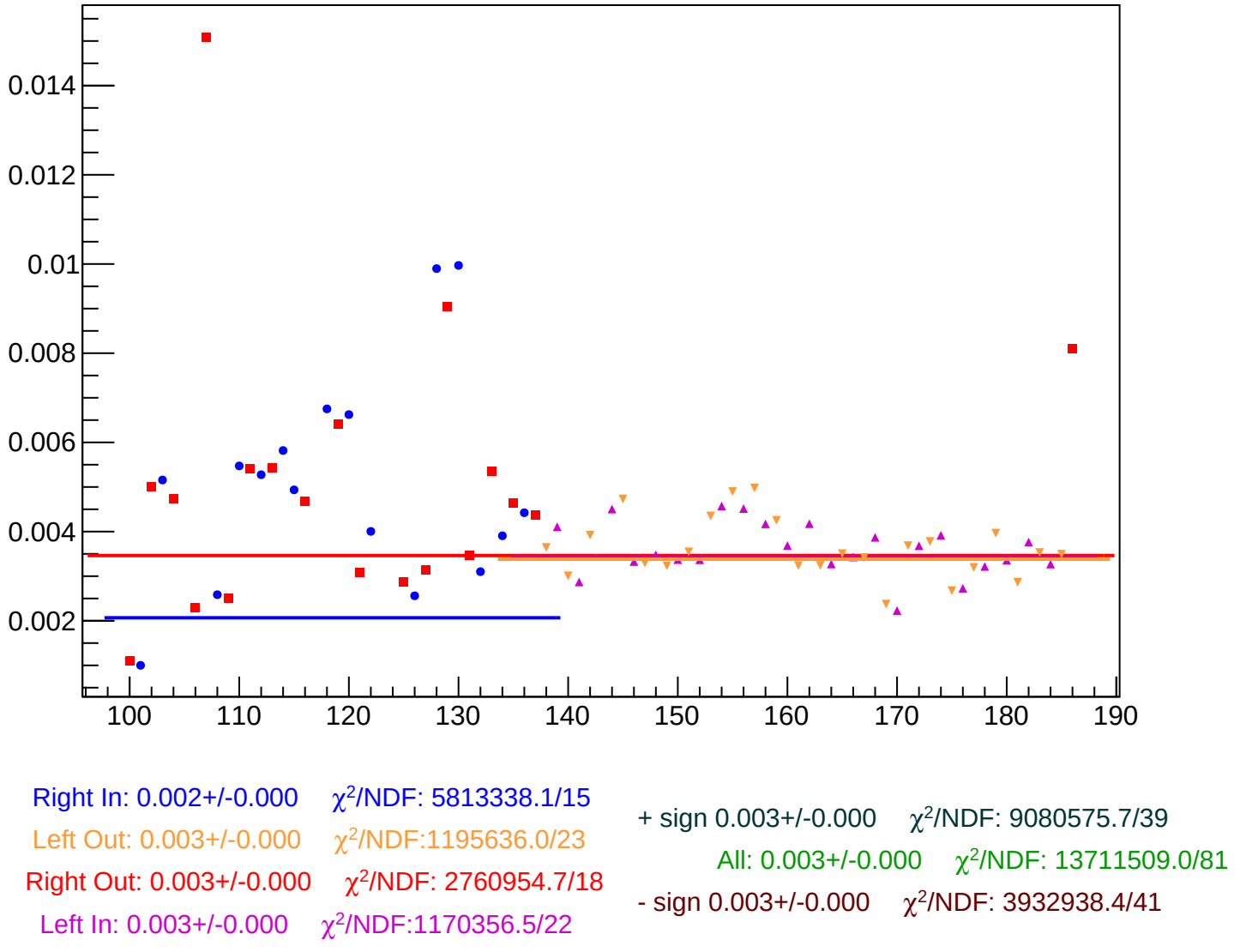
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

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

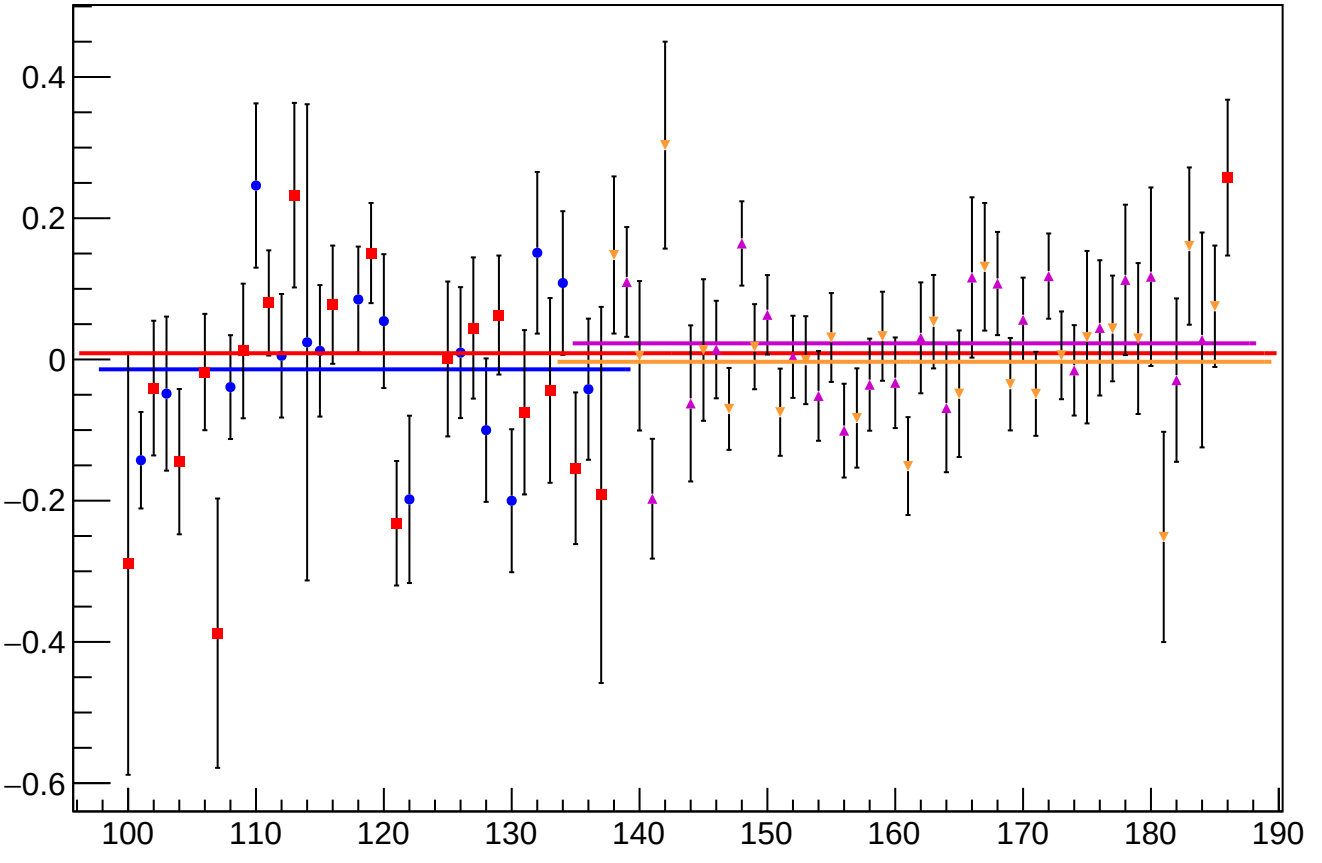
+ sign -0.000+/-0.000 χ^2/NDF: 59.7/39

All: -0.000+/-0.000 χ^2/NDF: 97.4/81

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


asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug
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: 0.002+/-0.000 χ²/NDF: 5813338.1/15
Left Out: 0.003+/-0.000 χ²/NDF:1195636.0/23
Right Out: 0.003+/-0.000 χ²/NDF: 2760954.7/18
Left In: 0.003+/-0.000 χ²/NDF:1170356.5/22
+ sign 0.003+/-0.000 χ²/NDF: 9080575.7/39
All: 0.003+/-0.000 χ²/NDF: 13711509.0/81
- sign 0.003+/-0.000 χ²/NDF: 3932938.4/41

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

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

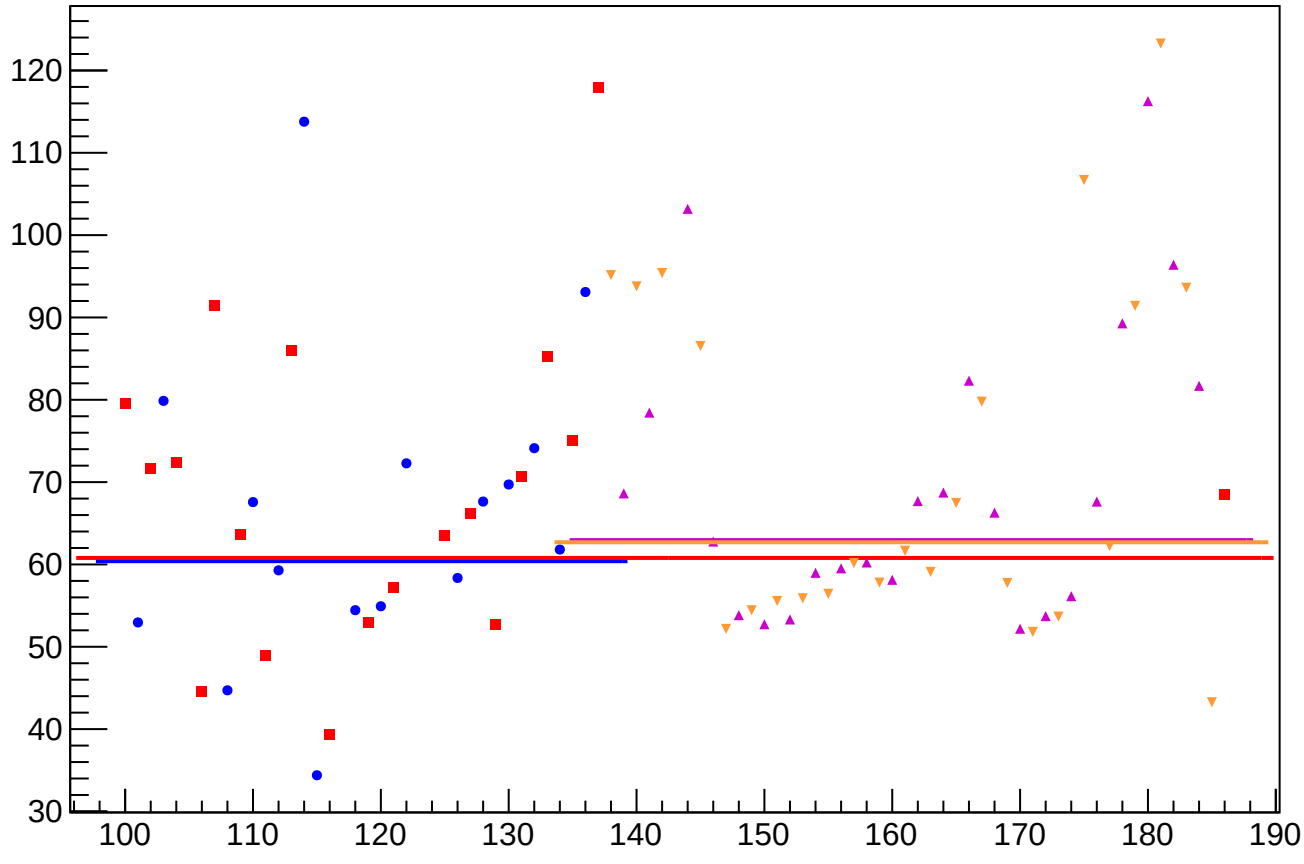
Right Out: 0.009+/-0.023 χ^2/NDF: 33.1/18

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

+ sign -0.006+/-0.013 χ^2/NDF: 47.4/39

All: 0.006+/-0.009 χ^2/NDF: 111.5/81

- sign 0.019+/-0.013 χ^2/NDF: 62.3/41



Right In: 60.398+/-0.017 χ^2/NDF: 703169.3/15

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

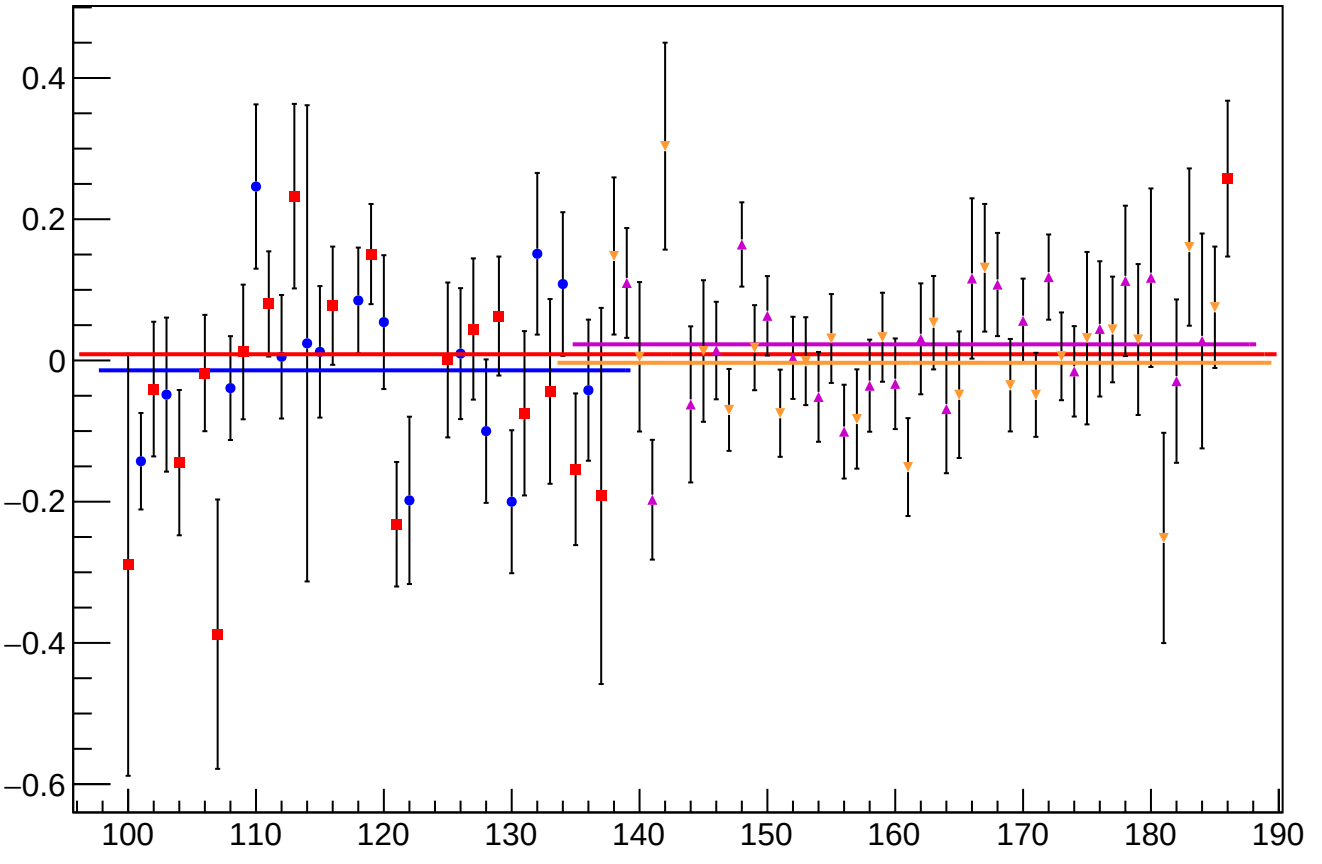
Right Out: 60.792+/-0.016 χ^2/NDF: 721375.6/18

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

+ sign 62.013+/-0.009 χ^2/NDF: 2655583.8/39

All: 62.153+/-0.006 χ^2/NDF: 4819816.2/81

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



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

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

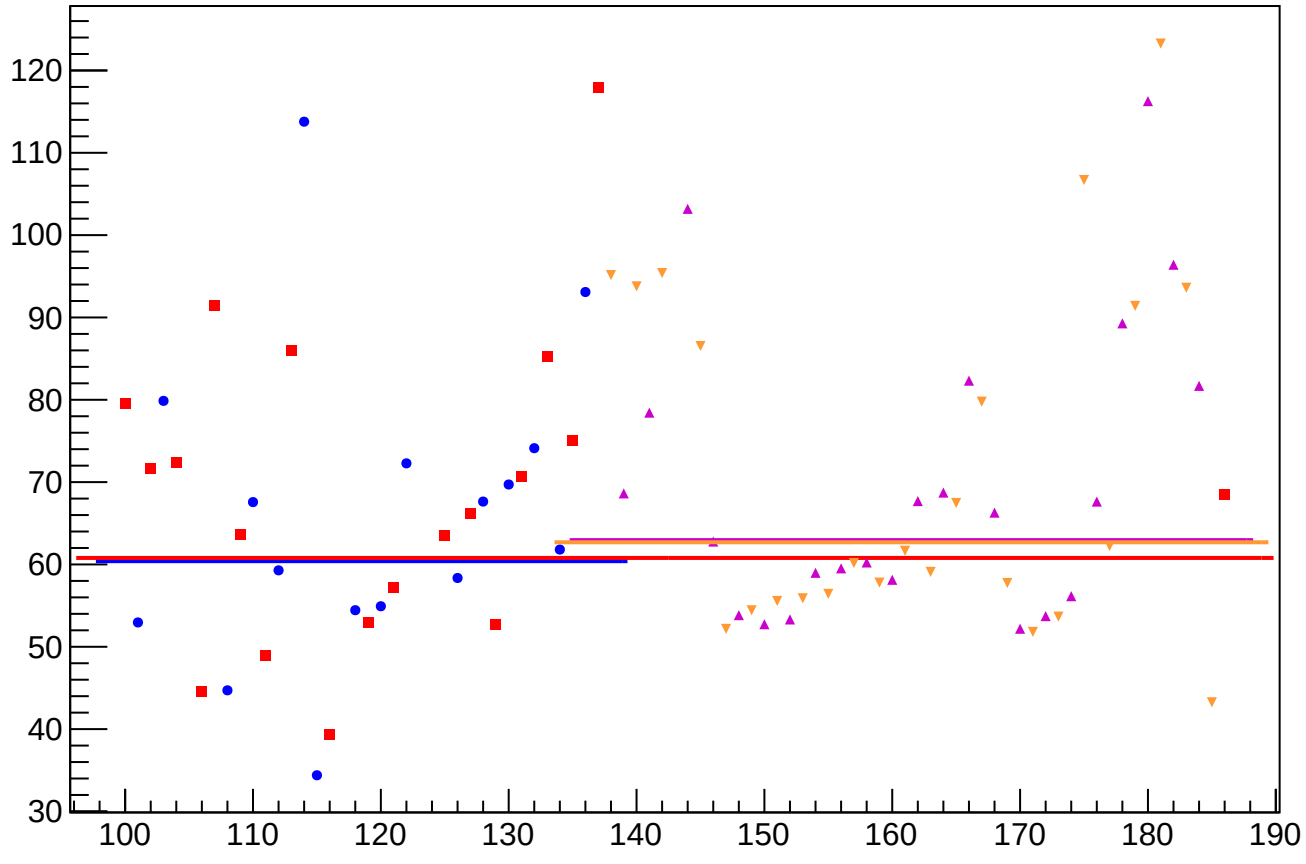
Right Out: 0.009+/-0.023 χ^2/NDF: 33.1/18

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

+ sign -0.006+/-0.013 χ^2/NDF: 47.4/39

All: 0.006+/-0.009 χ^2/NDF: 111.5/81

- sign 0.019+/-0.013 χ^2/NDF: 62.3/41



Right In: 60.398+/-0.017 χ^2/NDF: 703169.3/15

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

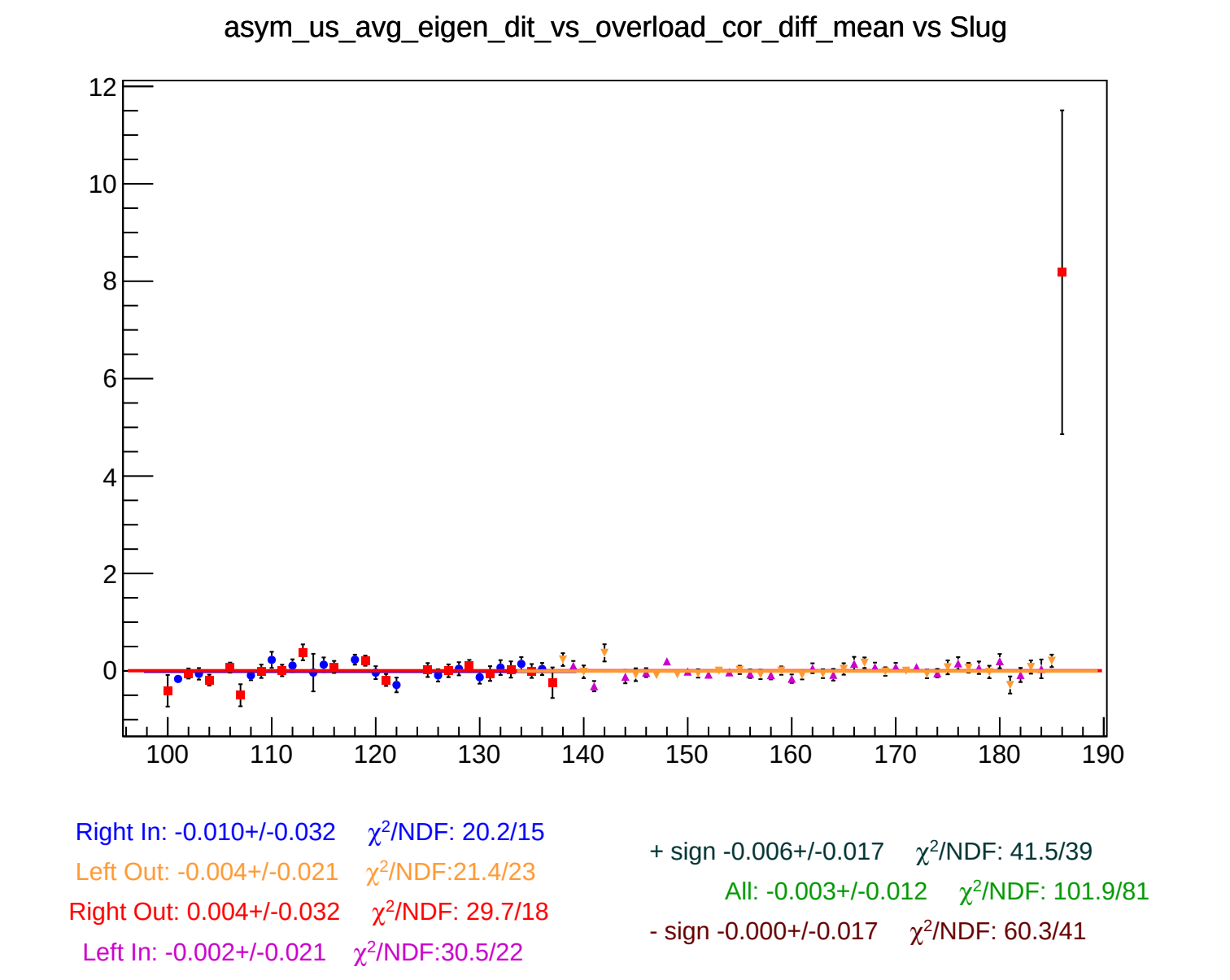
Right Out: 60.792+/-0.016 χ^2/NDF: 721375.6/18

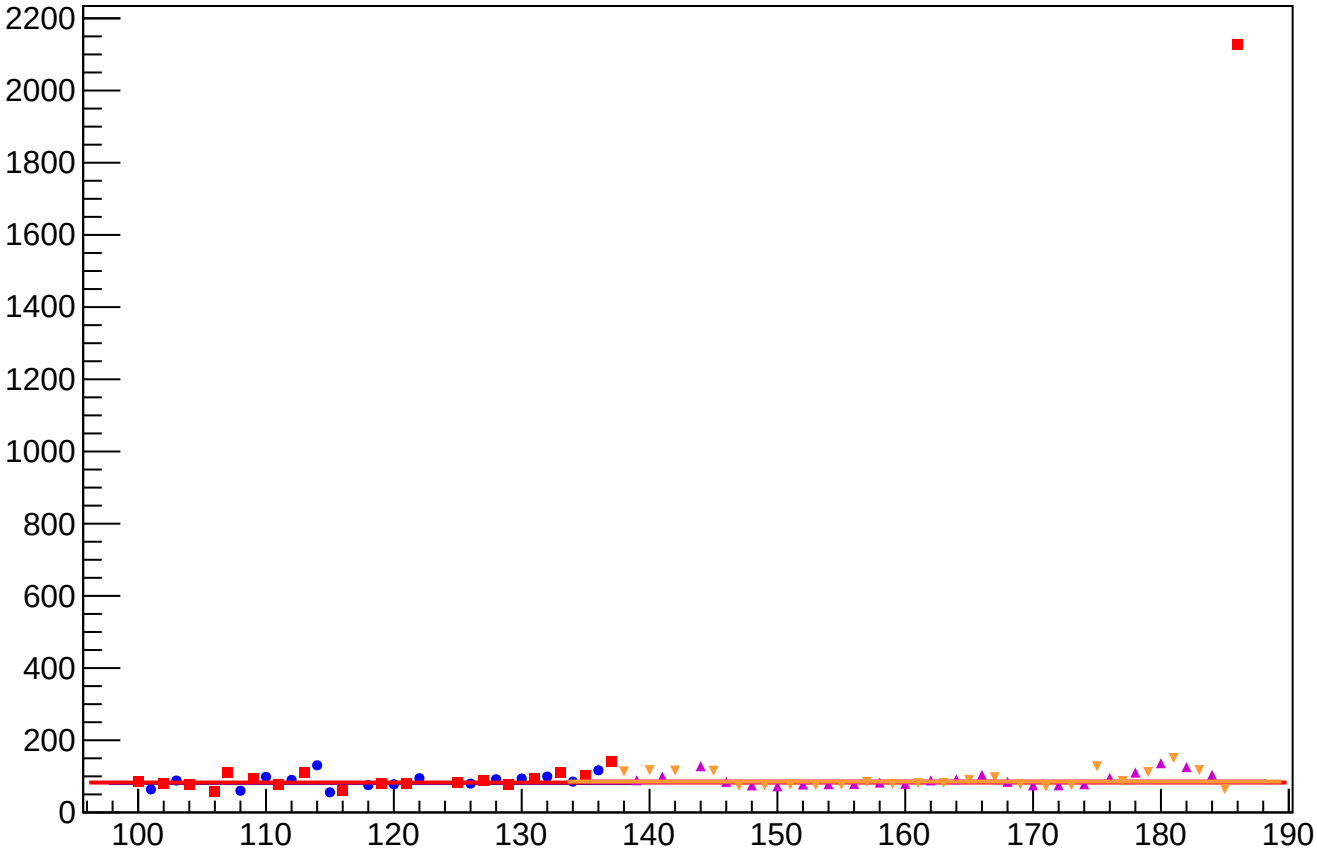
Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

+ sign 62.013+/-0.009 χ^2/NDF: 2655583.8/39

All: 62.153+/-0.006 χ^2/NDF: 4819816.2/81

- 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: 20.2/15
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: 41.5/39
All: -0.003+/-0.012 χ²/NDF: 101.9/81
- sign -0.000+/-0.017 χ²/NDF: 60.3/41



Right In: 81.663+/-0.022 χ^2/NDF: 561836.4/15

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

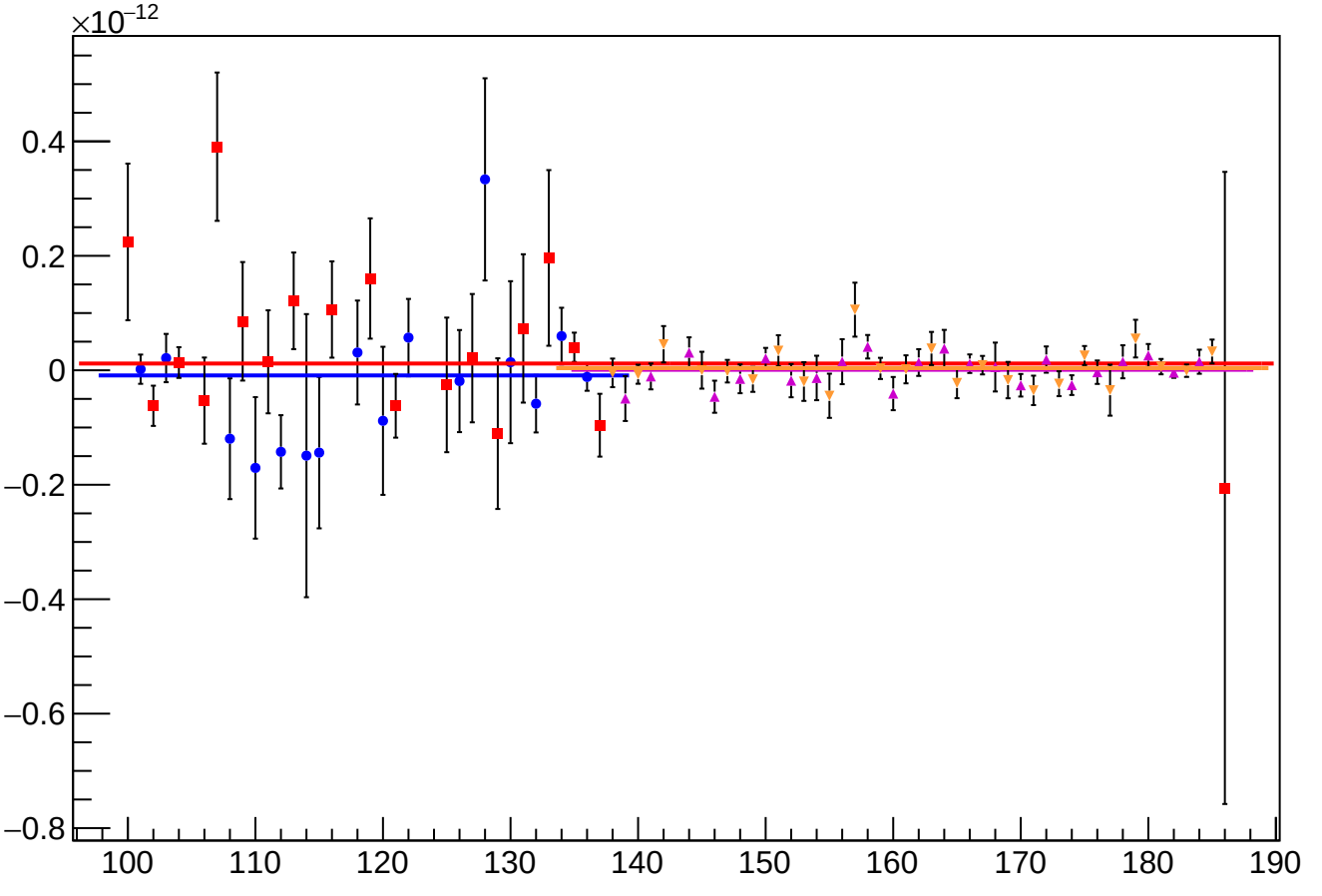
Right Out: 82.887+/-0.022 χ^2/NDF: 1230127.6/18

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

+ sign 84.455+/-0.012 χ^2/NDF: 1936869.5/39

All: 84.651+/-0.009 χ^2/NDF: 4174239.6/81

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



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/15

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

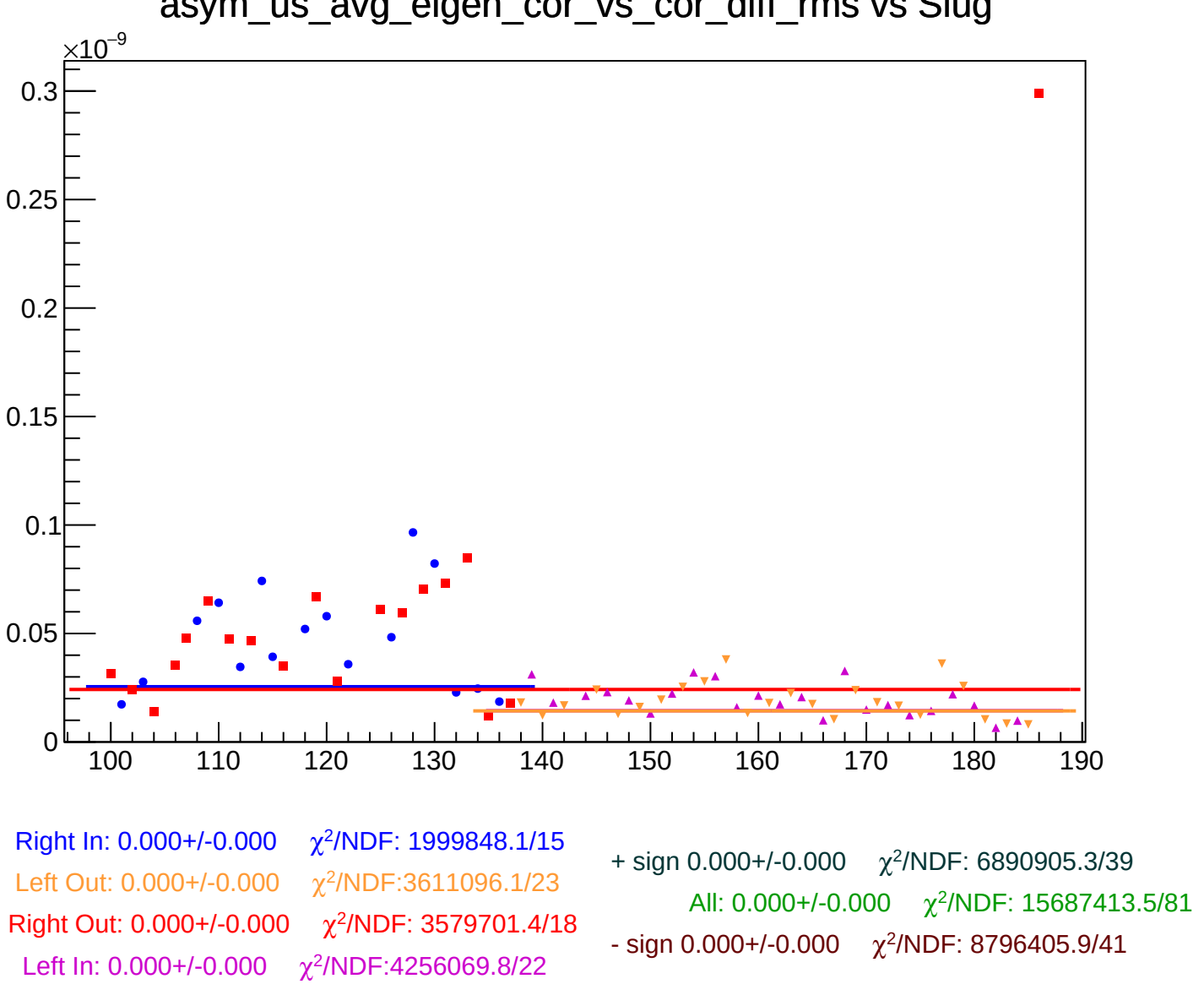
Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/18

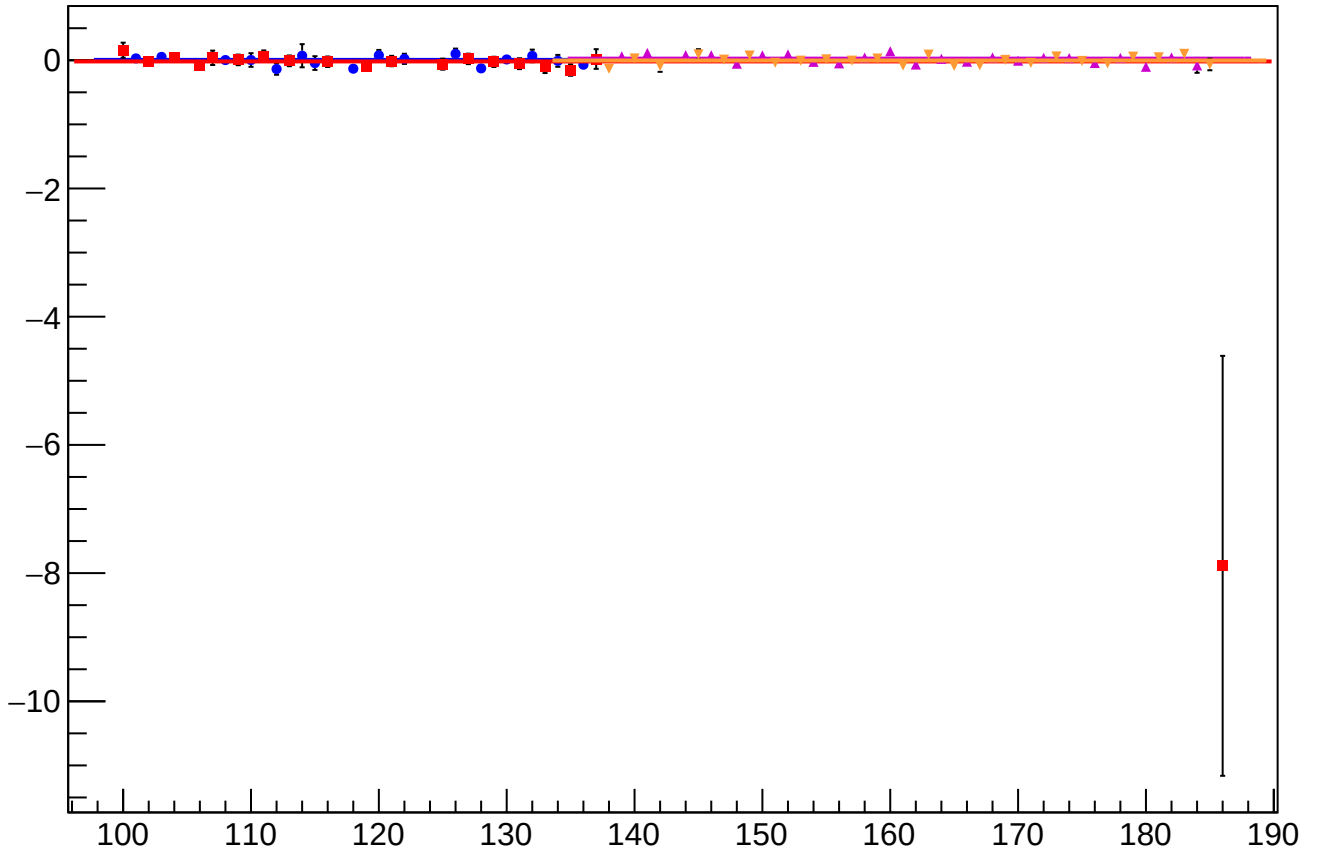
Left In: 0.000+/-0.000 χ^2/NDF:23.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.3/39

All: 0.000+/-0.000 χ^2/NDF: 98.7/81

- sign 0.000+/-0.000 χ^2/NDF: 55.5/41


asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 1999848.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3611096.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 3579701.4/18
Left In: 0.000+/-0.000 χ²/NDF:4256069.8/22
+ sign 0.000+/-0.000 χ²/NDF: 6890905.3/39
All: 0.000+/-0.000 χ²/NDF: 15687413.5/81
- sign 0.000+/-0.000 χ²/NDF: 8796405.9/41



Right In: 0.006+/-0.017 χ^2/NDF: 15.6/15

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

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

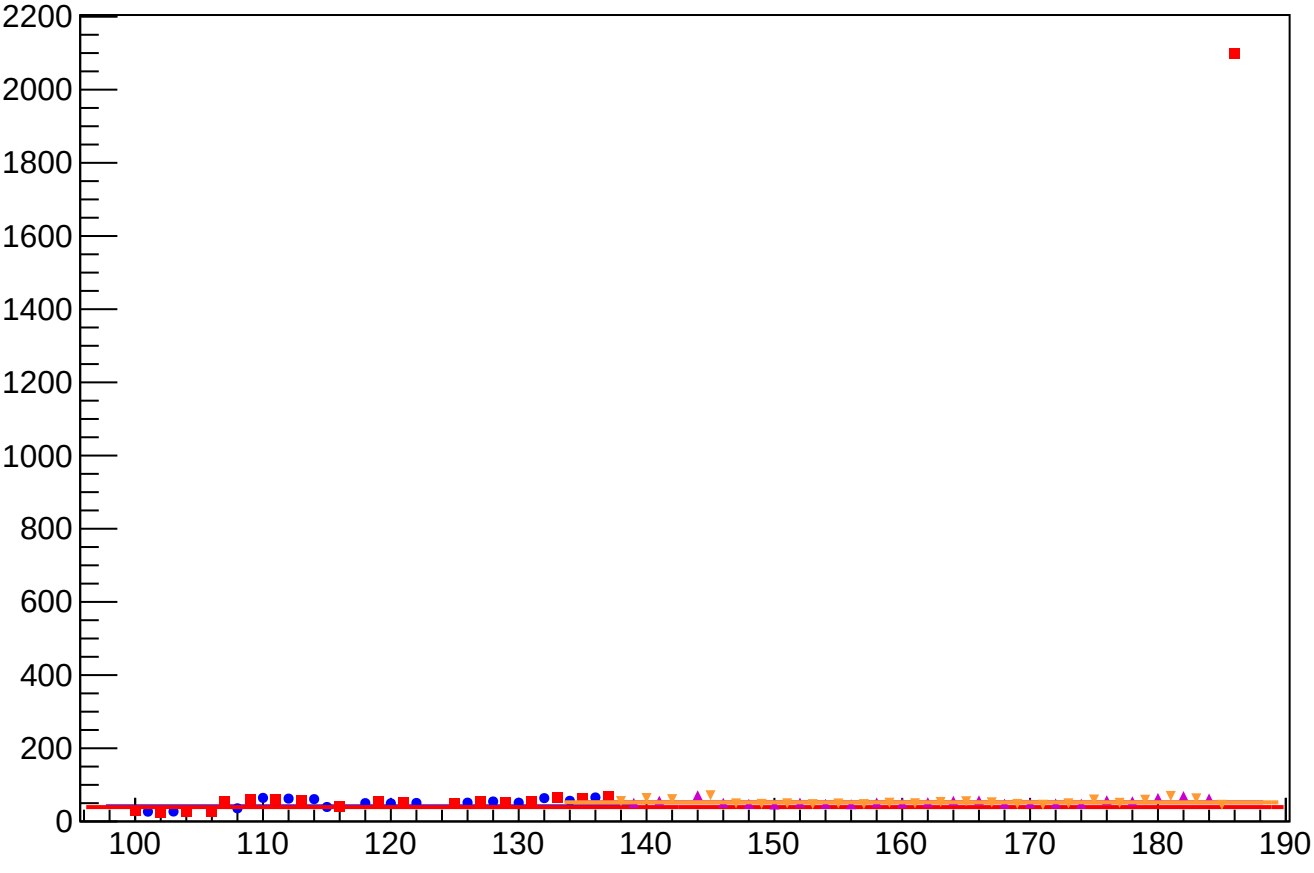
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign 0.000+/-0.010 χ^2/NDF: 38.9/39

All: 0.004+/-0.007 χ^2/NDF: 86.3/81

- sign 0.009+/-0.010 χ^2/NDF: 47.1/41

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 41.277+/-0.012 χ^2/NDF: 1505245.8/15

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

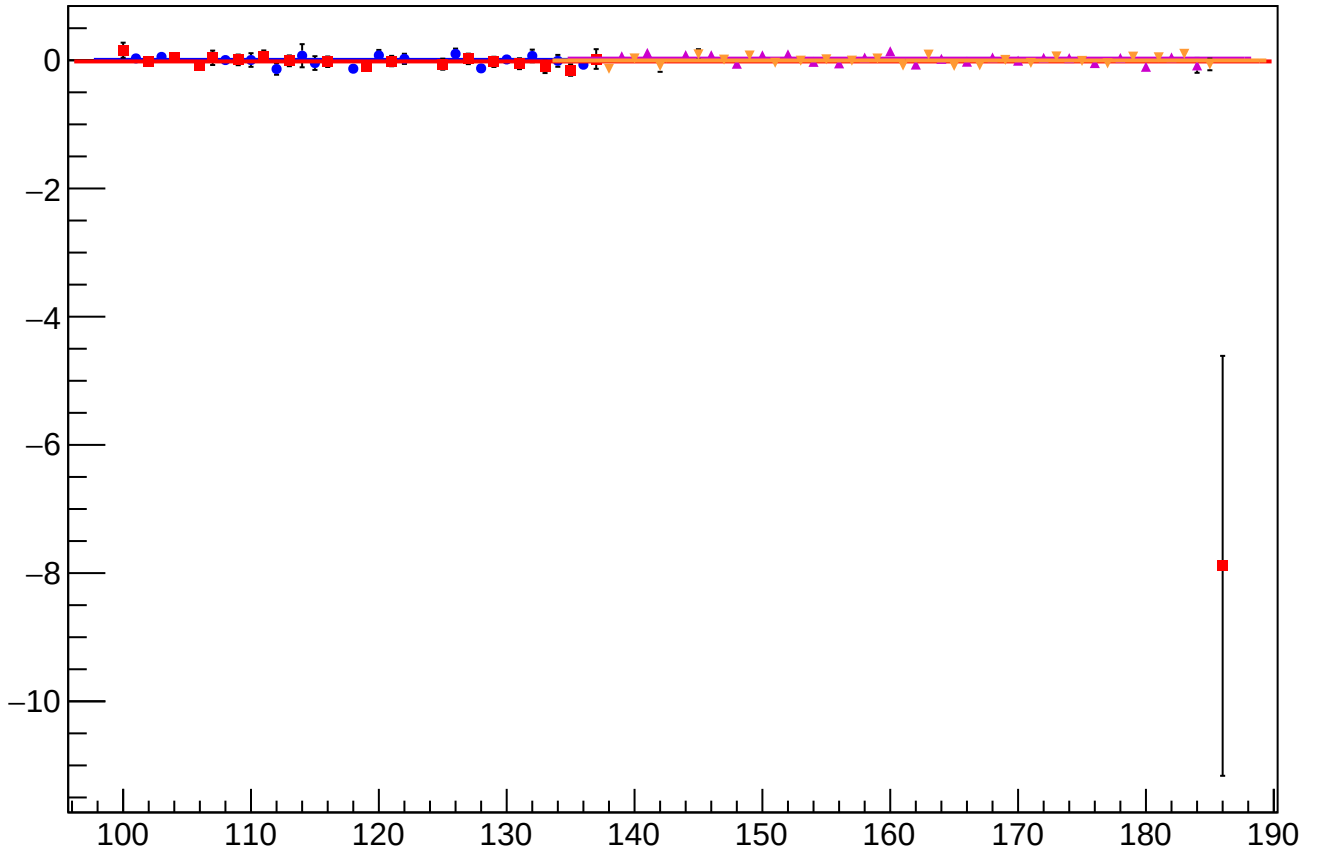
Right Out: 39.260+/-0.011 χ^2/NDF: 2610023.5/18

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

+ sign 48.363+/-0.007 χ^2/NDF: 2602799.5/39

All: 47.855+/-0.005 χ^2/NDF: 6534049.5/81

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



Right In: 0.006+/-0.017 χ^2/NDF: 15.6/15

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

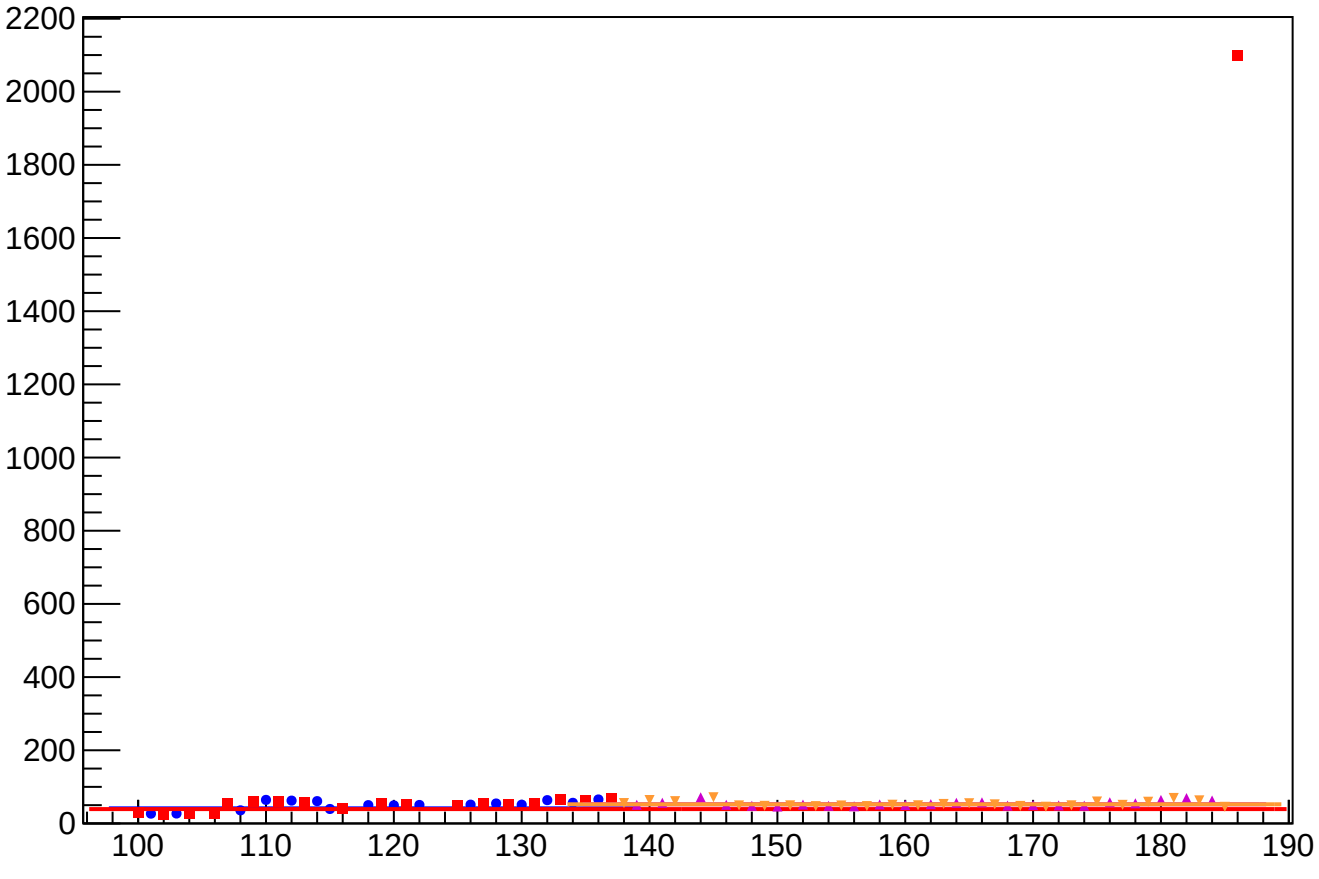
Right Out: -0.018+/-0.016 χ^2/NDF: 18.1/18

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

\+ sign 0.000+/-0.010 χ^2/NDF: 38.9/39

All: 0.004+/-0.007 χ^2/NDF: 86.3/81

\- sign 0.009+/-0.010 χ^2/NDF: 47.1/41



Right In: 41.277+/-0.012 χ^2/NDF: 1505245.8/15

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

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

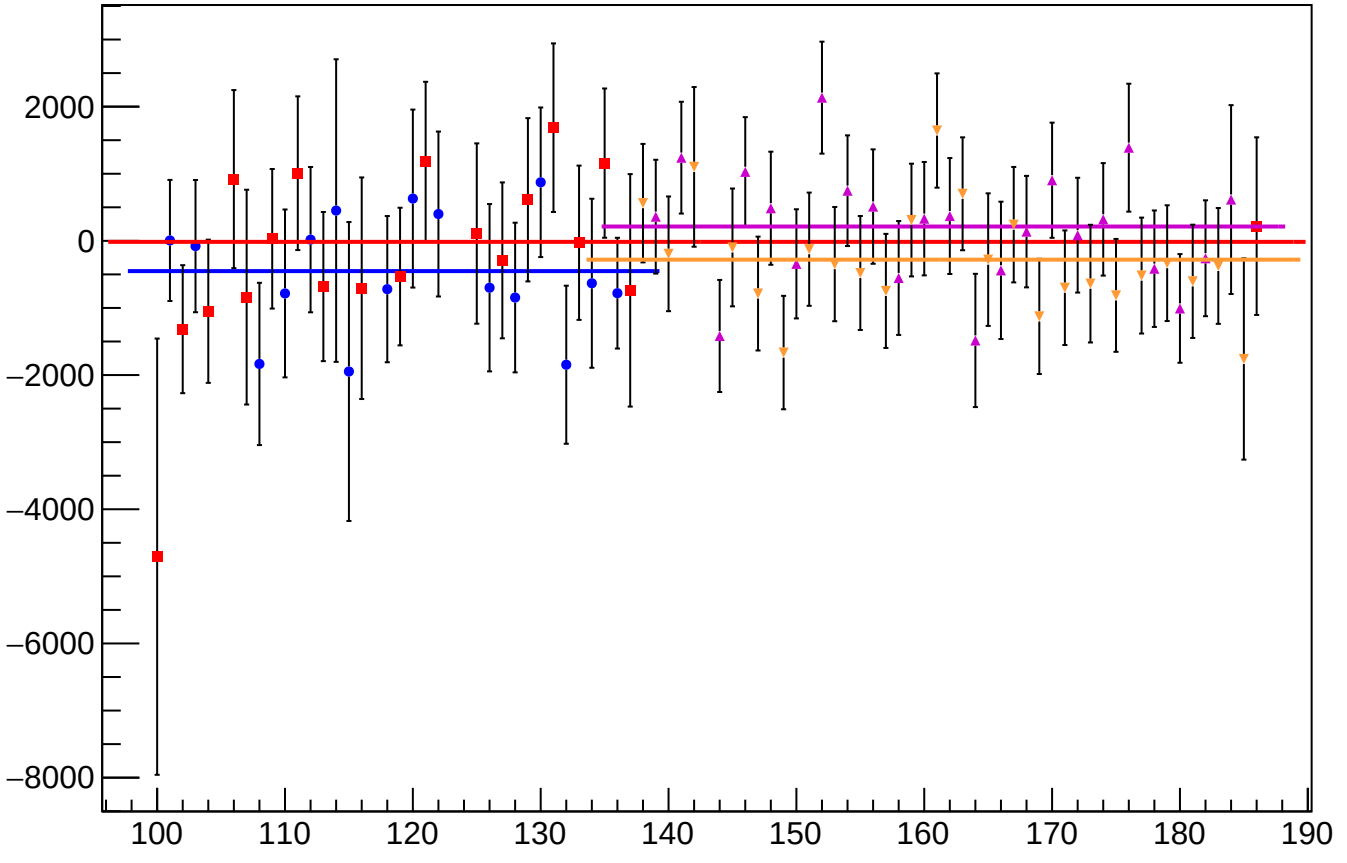
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 48.363+/-0.007 χ^2/NDF: 2602799.5/39

All: 47.855+/-0.005 χ^2/NDF: 6534049.5/81

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

reg_asym_us_dd_mean vs Slug



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

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

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

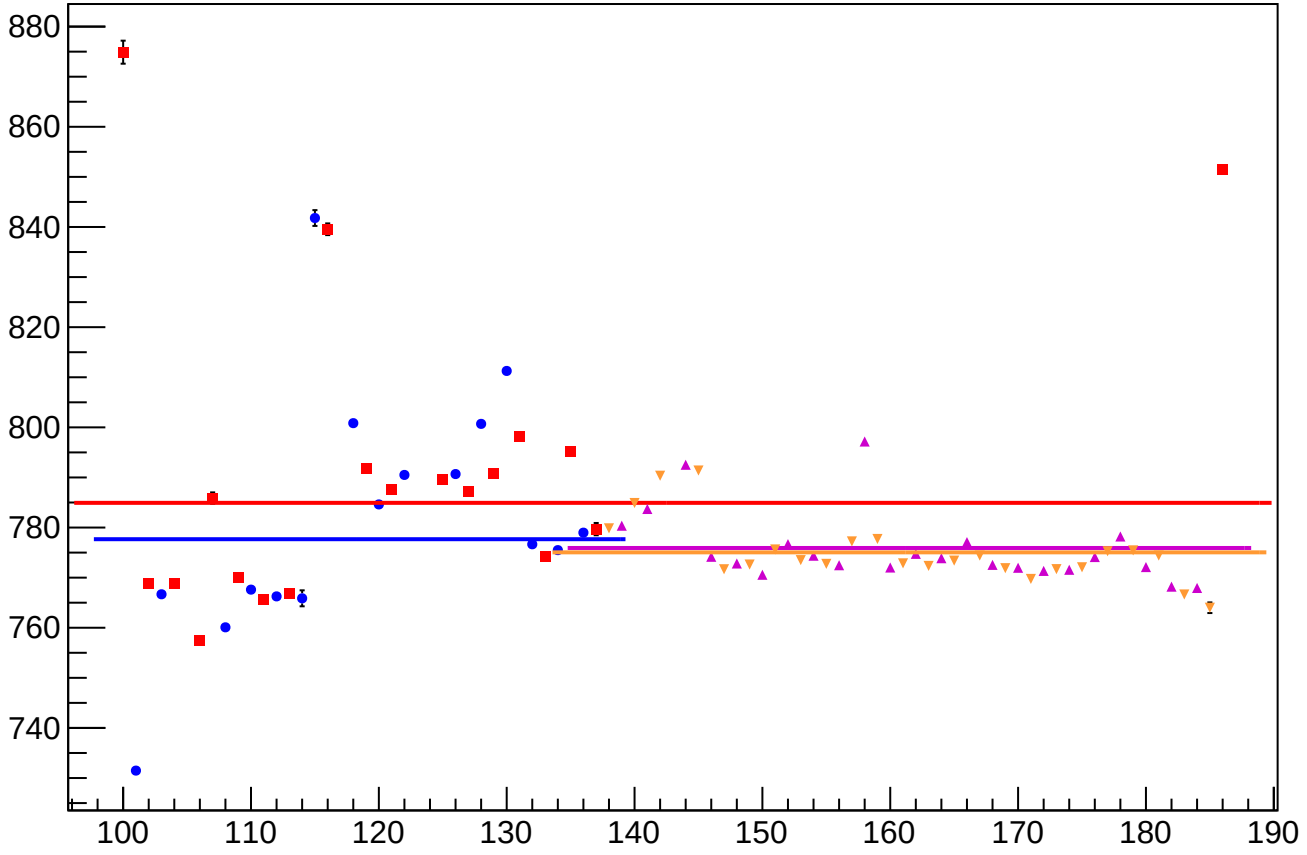
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -328.010+/-152.708 χ^2/NDF: 23.3/39

All: -90.178+/-107.851 χ^2/NDF: 62.6/81

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

reg_asym_us_dd_rms vs Slug



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

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

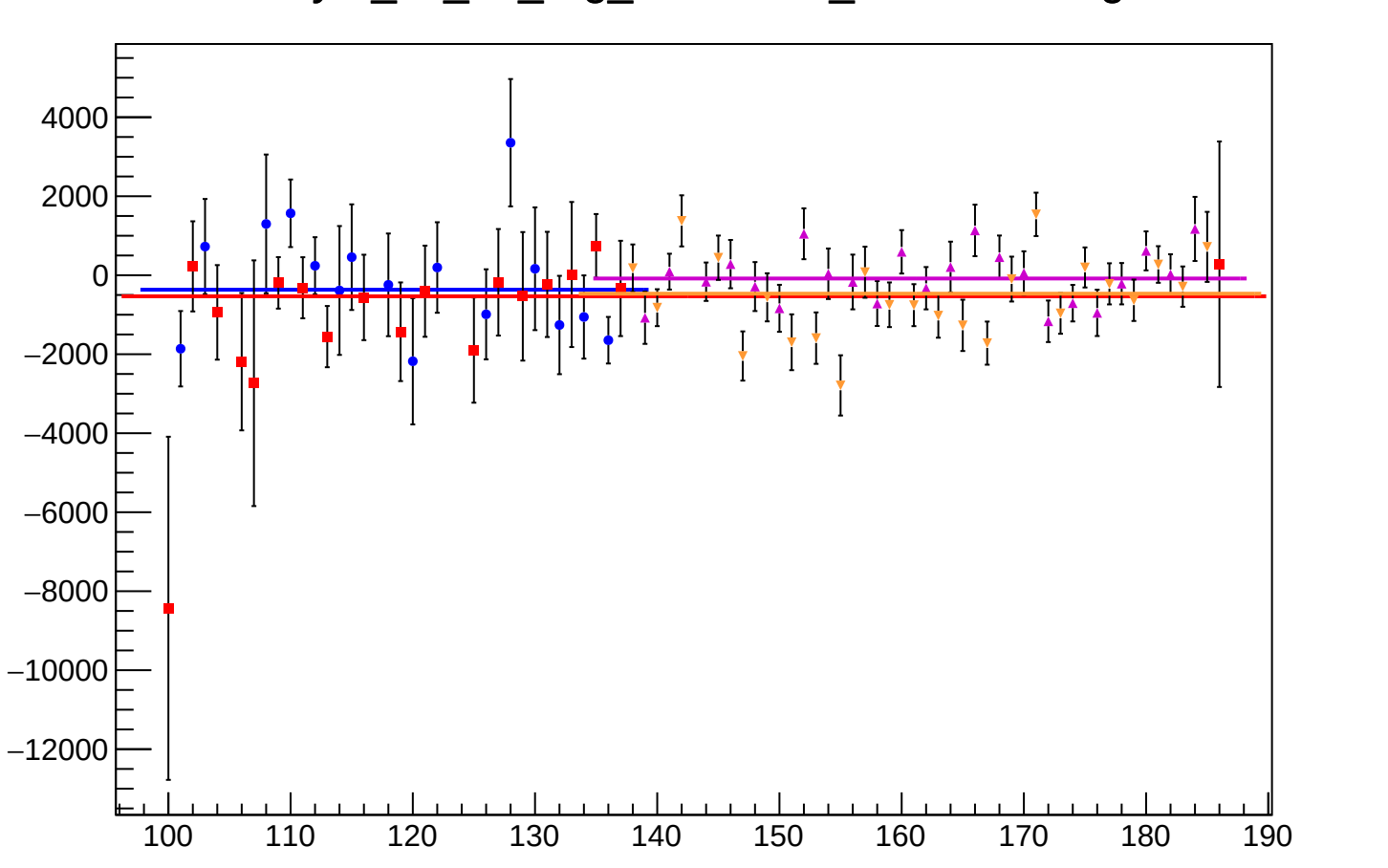
Right Out: 784.932+/-0.199 χ^2/NDF: 12931.7/18

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

+ sign 775.783+/-0.108 χ^2/NDF: 14125.7/39

All: 777.175+/-0.076 χ^2/NDF: 31810.9/81

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



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

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

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

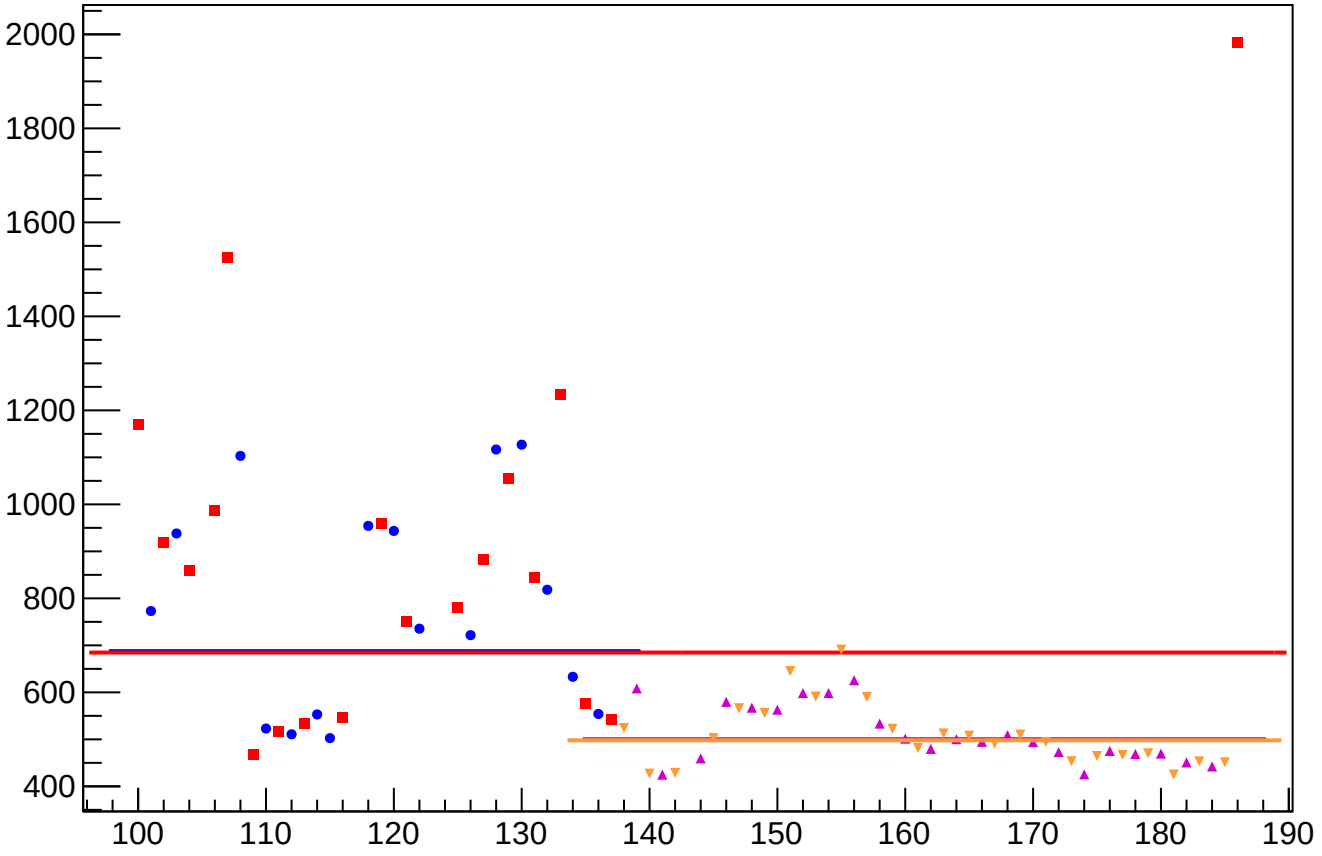
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -451.055+/-106.922 χ^2/NDF: 87.9/39

All: -305.656+/-75.789 χ^2/NDF: 133.9/81

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

asym_us_dd_reg_correction_rms vs Slug



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

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

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

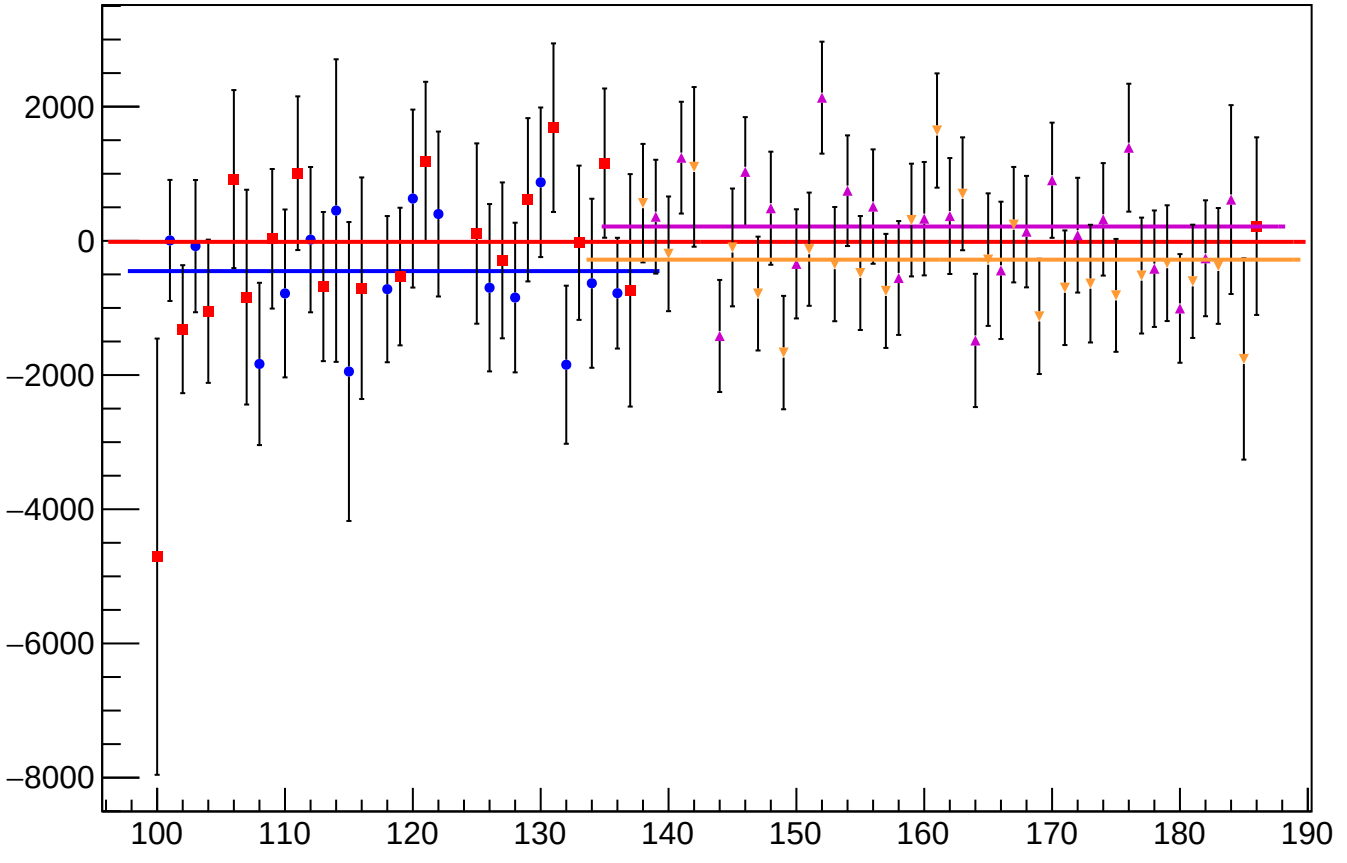
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 528.464+/-0.076 χ^2/NDF: 2408588.1/39

All: 529.887+/-0.054 χ^2/NDF: 5375007.3/81

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

cor_asym_us_dd_mean vs Slug



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

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

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

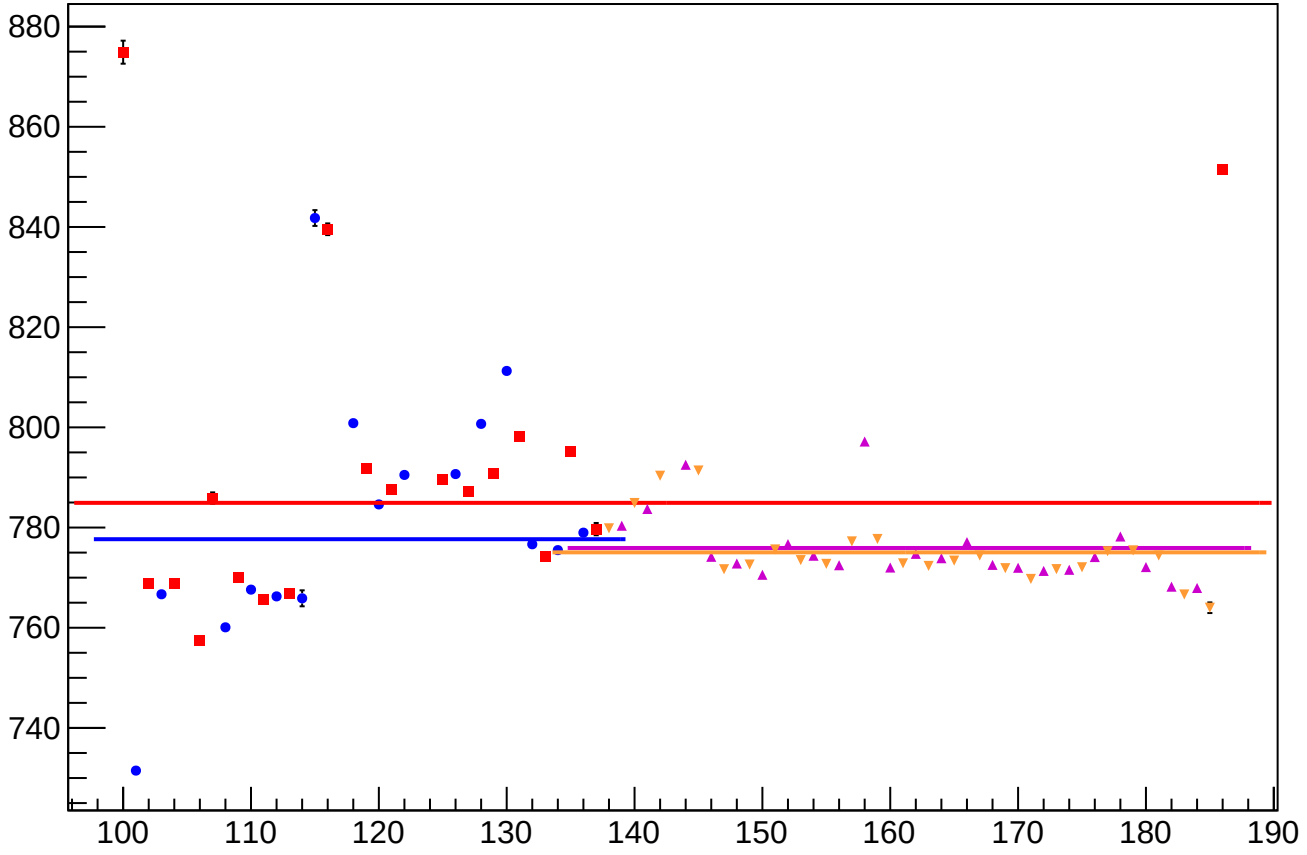
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -328.010+/-152.708 χ^2/NDF: 23.3/39

All: -90.178+/-107.851 χ^2/NDF: 62.6/81

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

cor_asym_us_dd_rms vs Slug



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

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

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

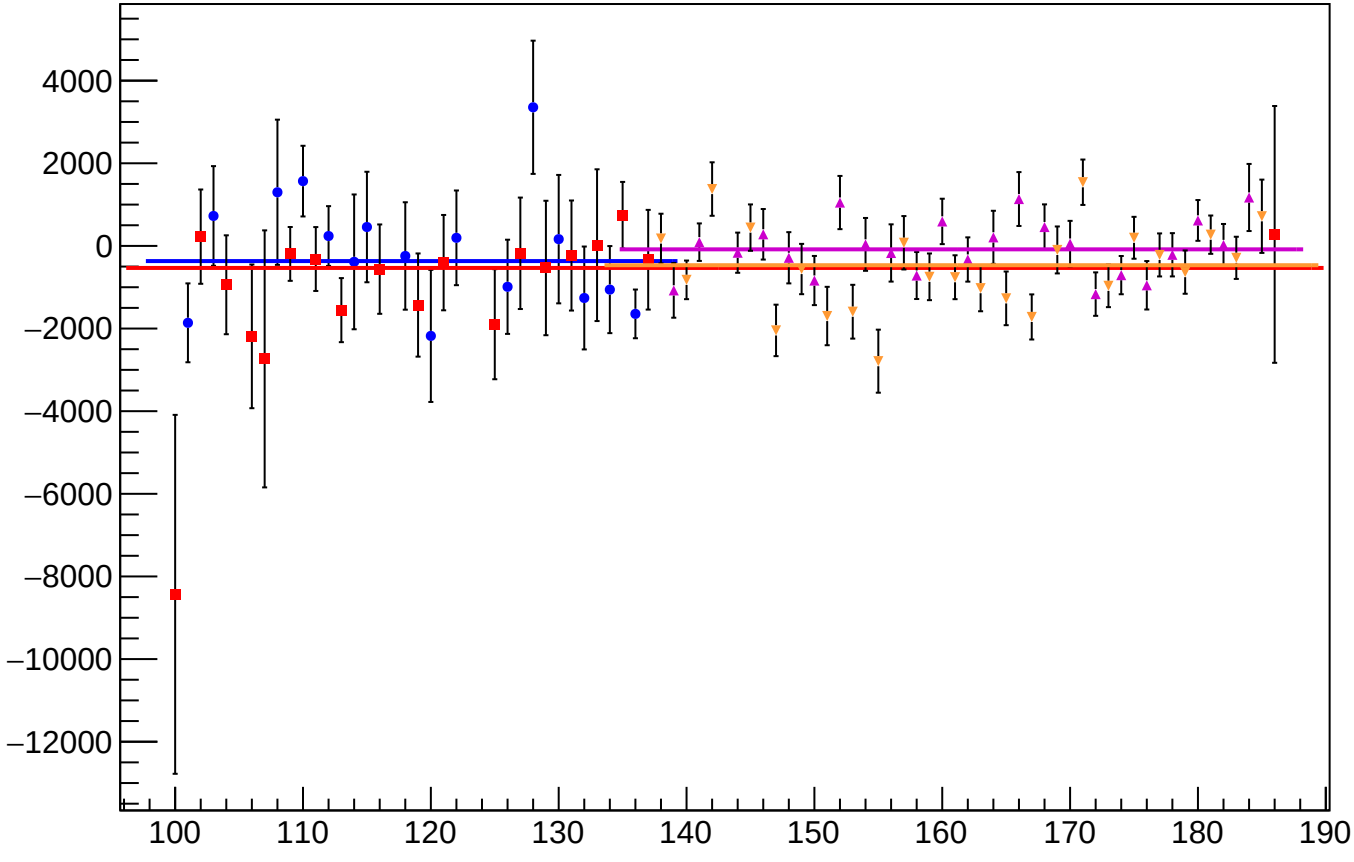
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 775.783+/-0.108 χ^2/NDF: 14125.7/39

All: 777.175+/-0.076 χ^2/NDF: 31810.9/81

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

asym_us_dd_cor_correction_mean vs Slug



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

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

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

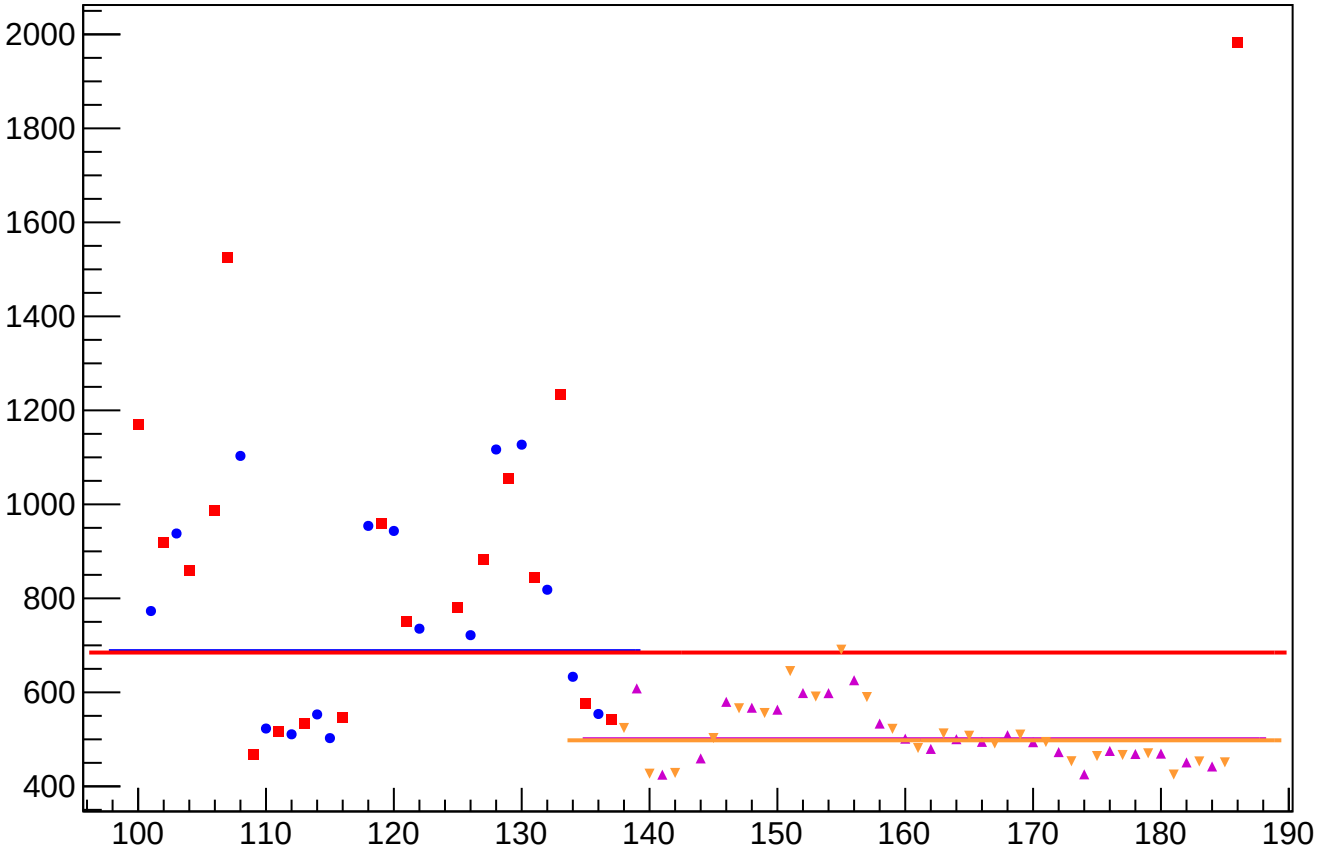
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -451.055+/-106.922 χ^2/NDF: 87.9/39

All: -305.656+/-75.789 χ^2/NDF: 133.9/81

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

asym_us_dd_cor_correction_rms vs Slug



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

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

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

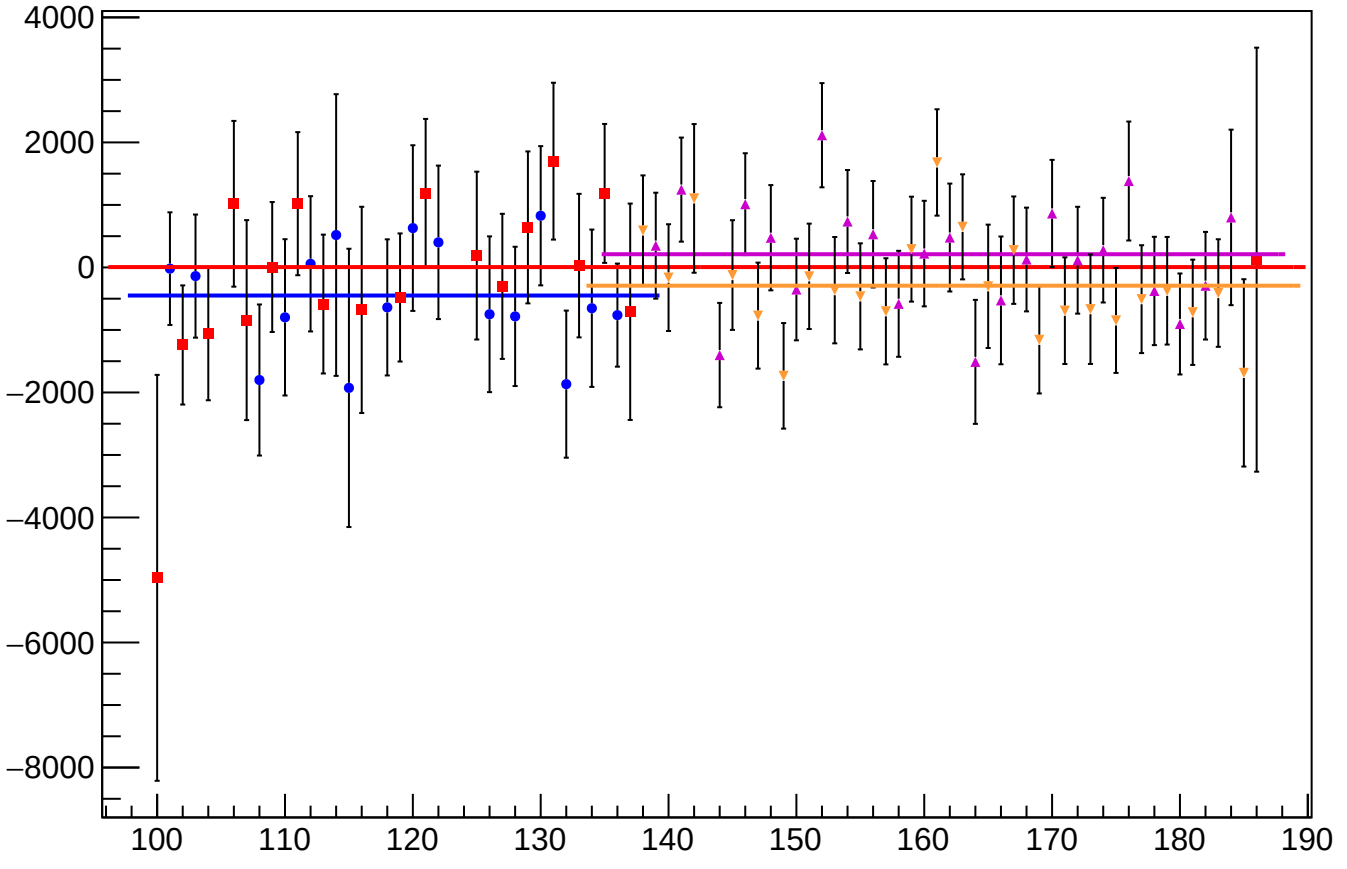
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 528.464+/-0.076 χ^2/NDF: 2408588.1/39

All: 529.887+/-0.054 χ^2/NDF: 5375007.3/81

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

overload_cor_asym_us_dd_mean vs Slug



Right In: -449.430+/-288.668 χ^2/NDF: 6.8/15

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

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

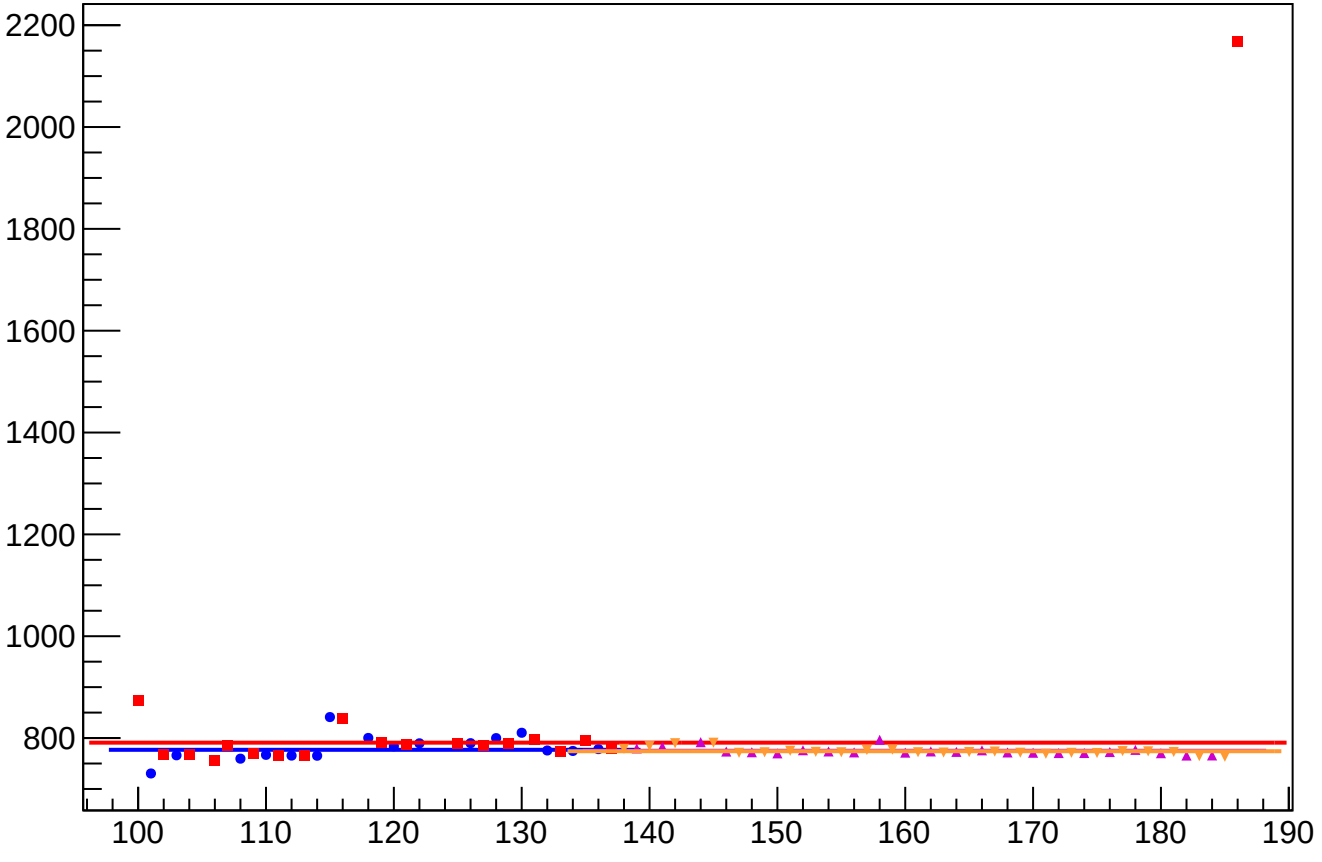
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -335.984+/-152.537 χ^2/NDF: 23.6/39

All: -92.460+/-108.035 χ^2/NDF: 63.0/81

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

overload_cor_asym_us_dd_rms vs Slug



Right In: 776.913+/-0.204 χ^2/NDF: 12123.6/15

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

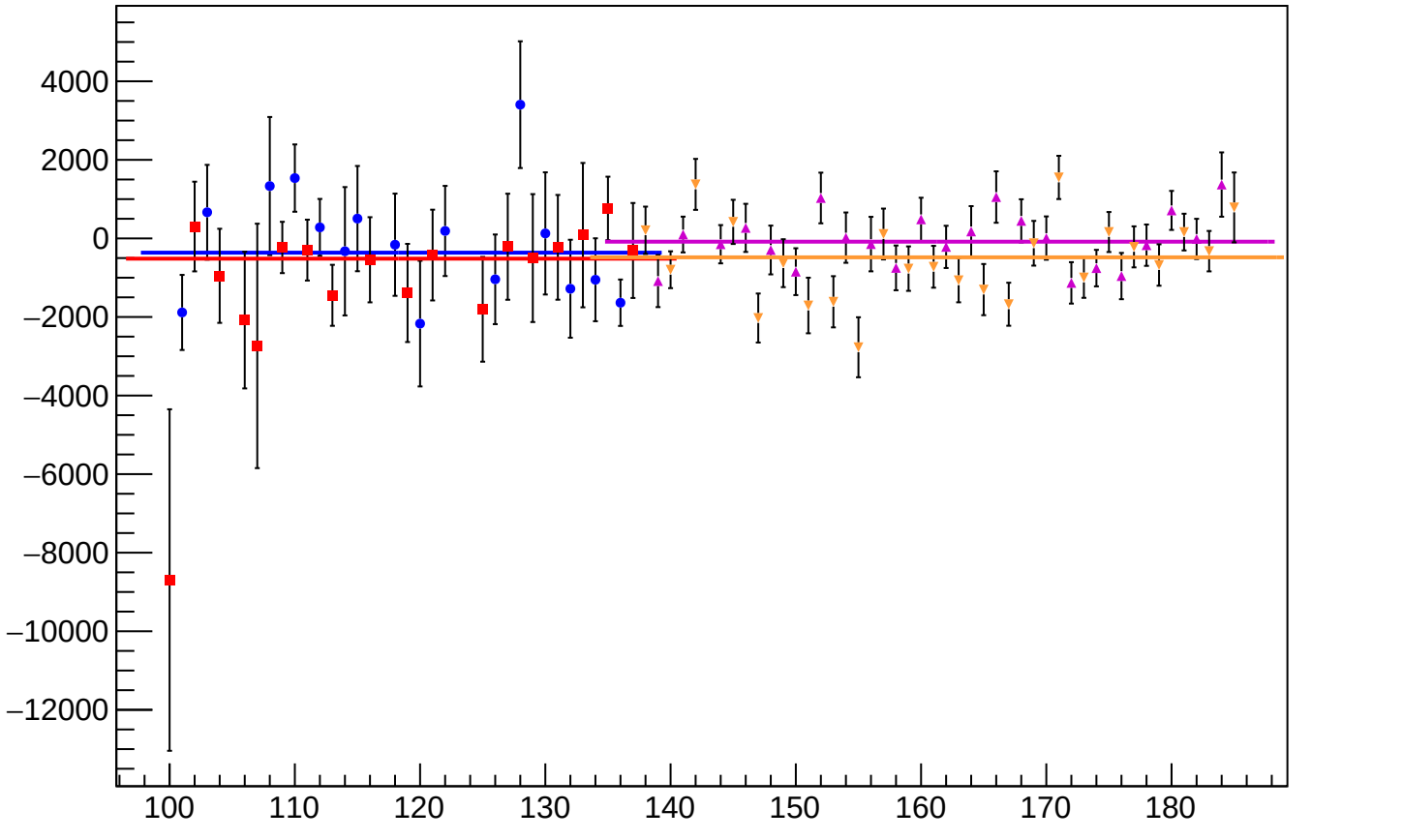
Right Out: 790.973+/-0.203 χ^2/NDF: 339308.6/18

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

+ sign 774.916+/-0.108 χ^2/NDF: 14316.8/39

All: 777.221+/-0.076 χ^2/NDF: 362133.6/81

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



Right In: -362.811+/-267.086 χ^2/NDF: 23.4/15

Left Out: -481.314+/-117.092 χ^2/NDF:63.5/23

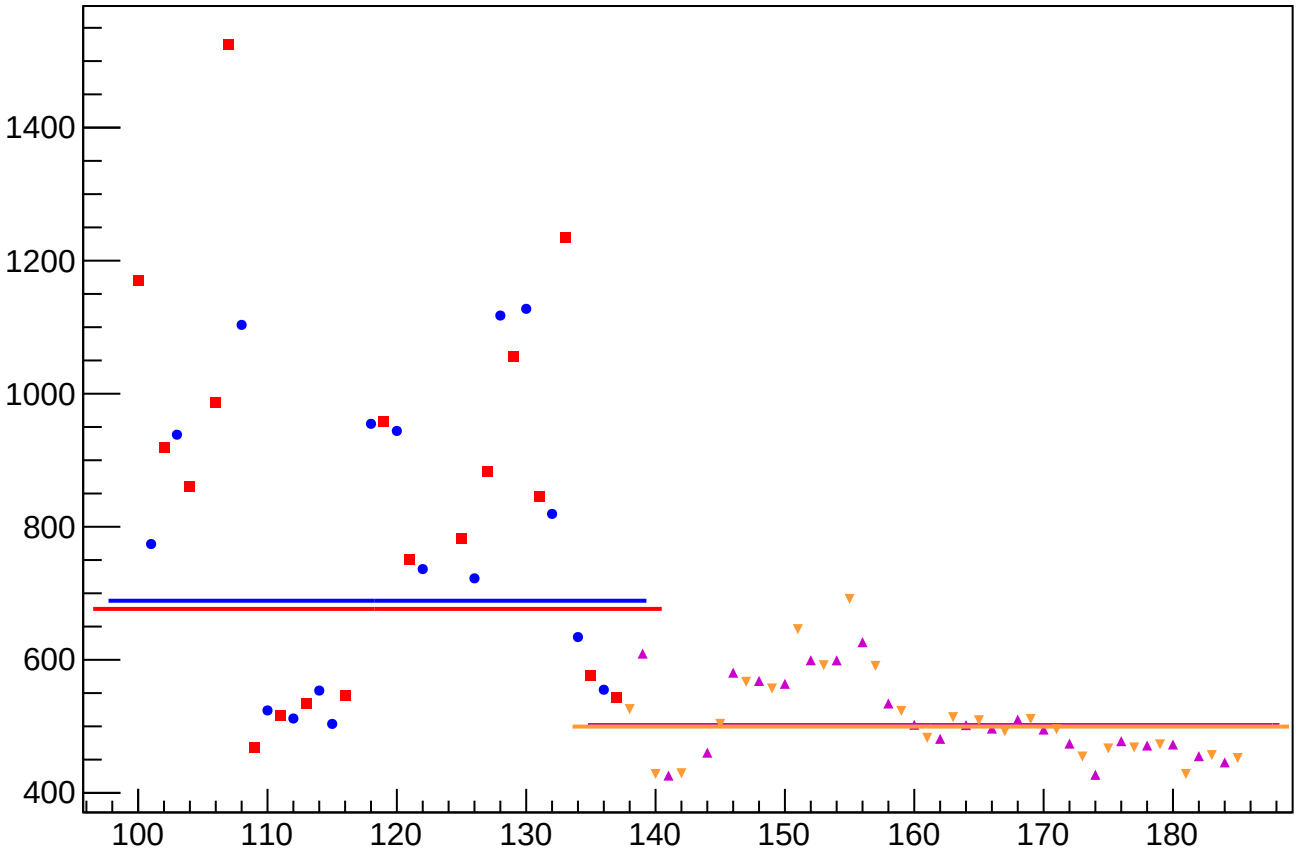
Right Out: -515.295+/-263.302 χ^2/NDF: 11.4/17

Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -462.209+/-107.239 χ^2/NDF: 87.1/39

All: -309.777+/-76.037 χ^2/NDF: 133.0/80

- sign -155.664+/-107.828 χ^2/NDF: 41.9/40



Right In: 688.828+/-0.189 χ^2/NDF: 1028118.5/15

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

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

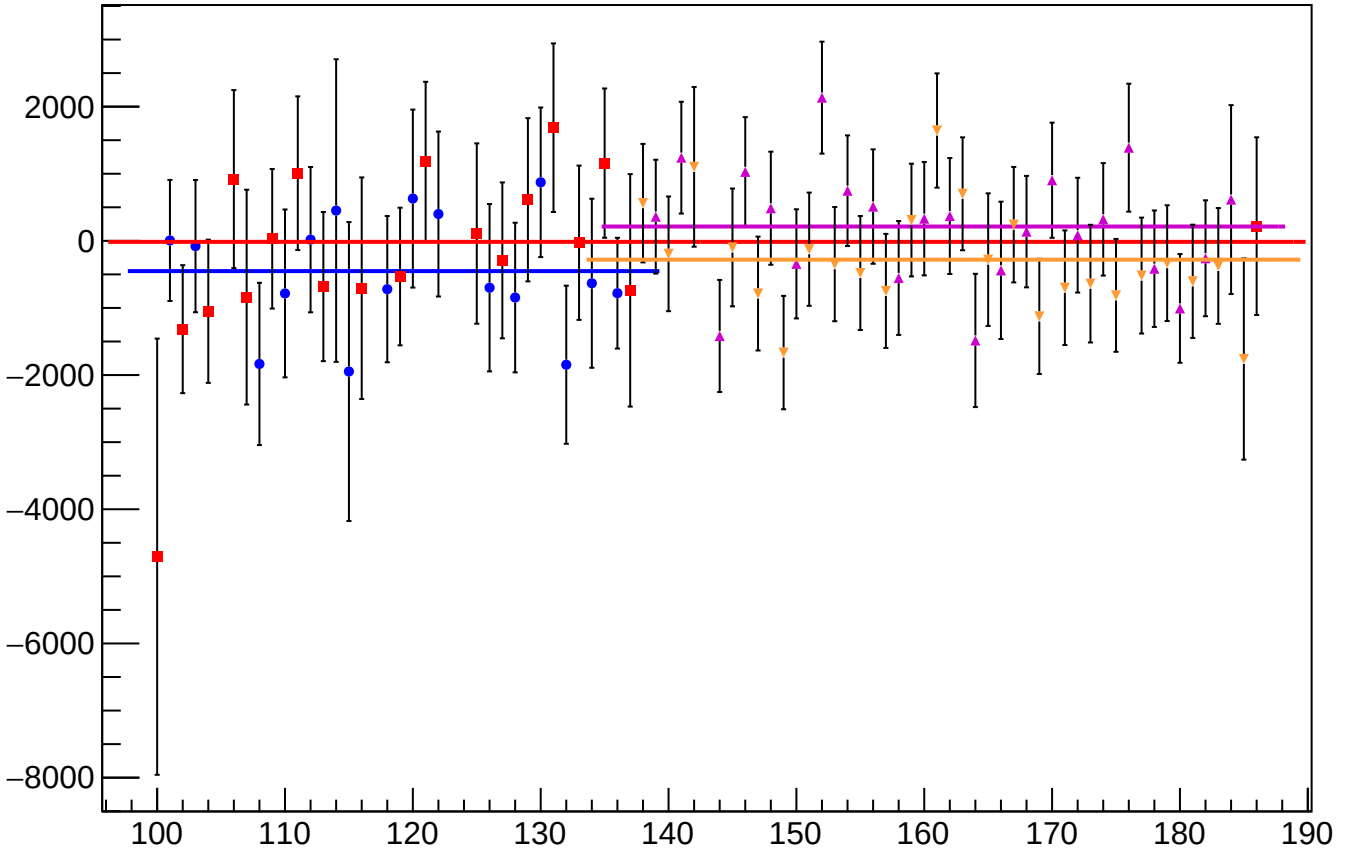
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 530.165+/-0.076 χ^2/NDF: 2385891.4/39

All: 530.729+/-0.054 χ^2/NDF: 4892991.1/80

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

eigen_cor_asym_us_dd_mean vs Slug



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

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

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

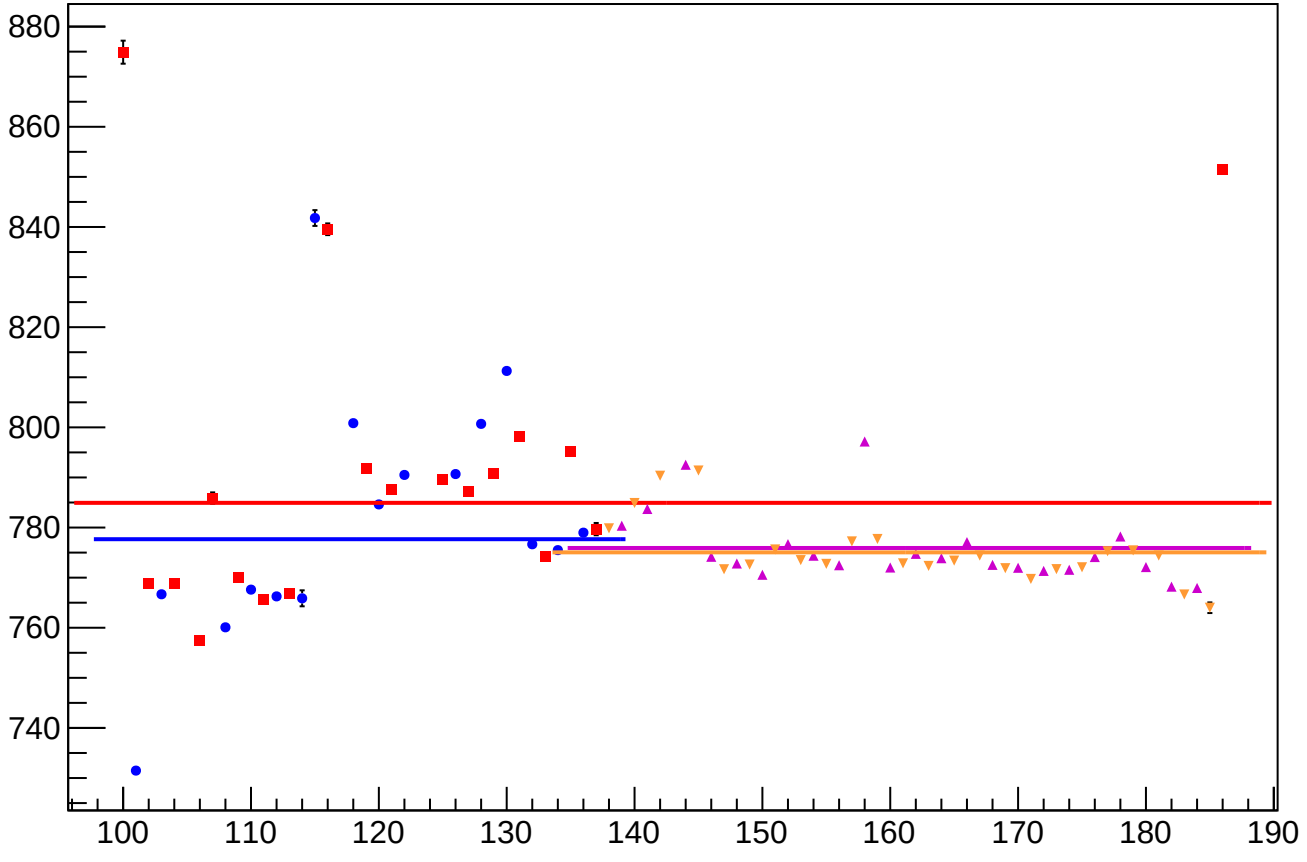
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -328.010+/-152.708 χ^2/NDF: 23.3/39

All: -90.178+/-107.851 χ^2/NDF: 62.6/81

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

eigen_cor_asym_us_dd_rms vs Slug



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

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

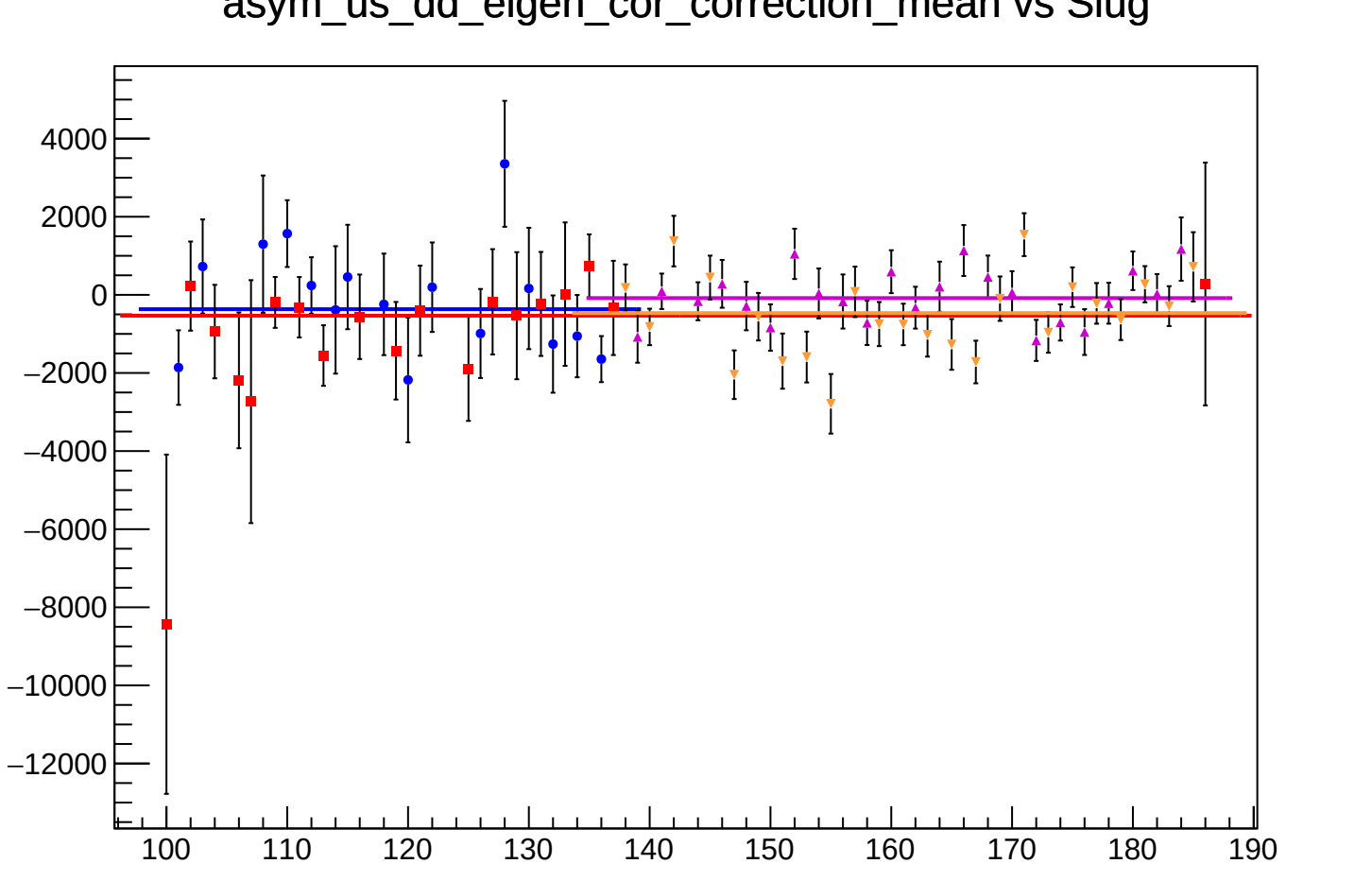
Right Out: 784.932+/-0.199 χ^2/NDF: 12931.7/18

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

+ sign 775.783+/-0.108 χ^2/NDF: 14125.7/39

All: 777.175+/-0.076 χ^2/NDF: 31810.9/81

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



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

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

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

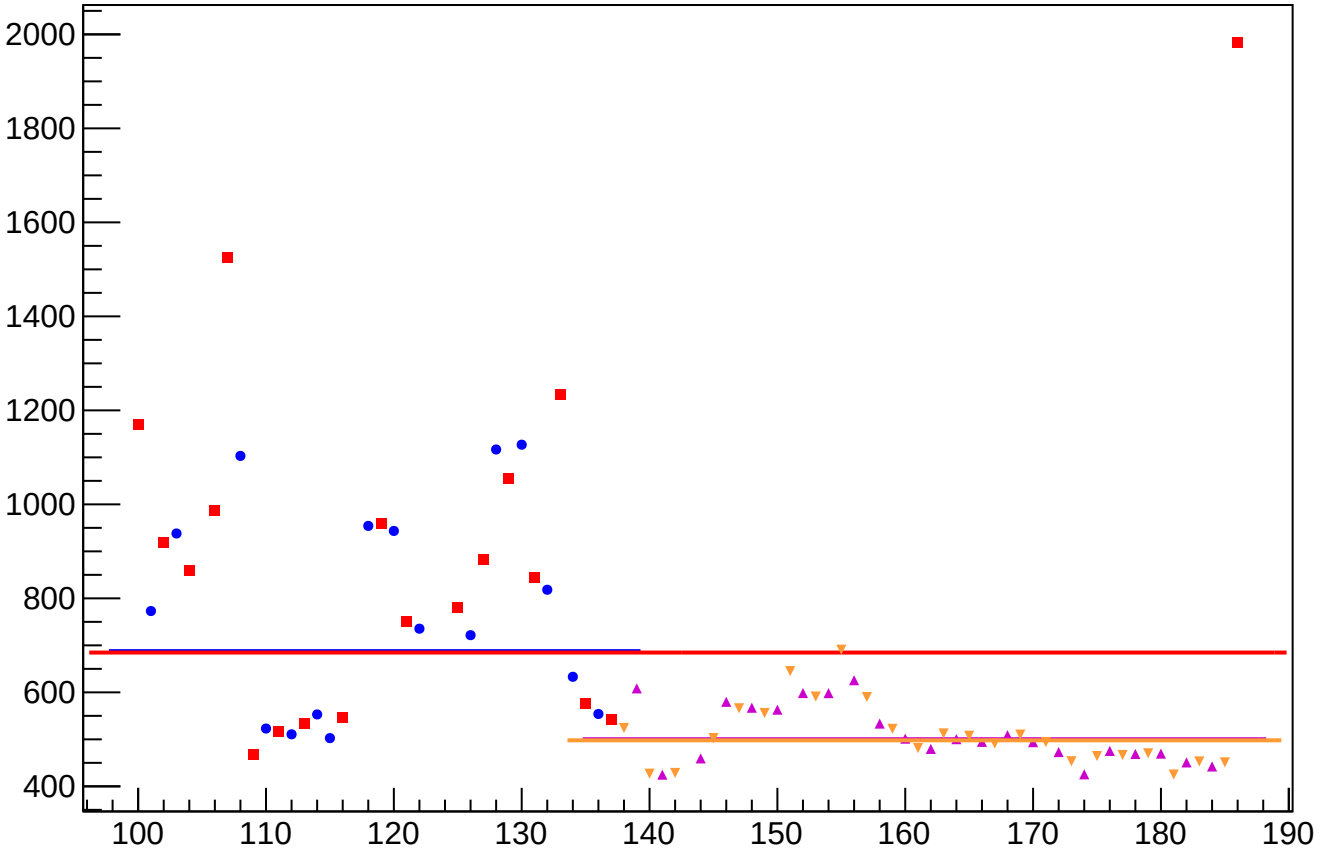
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -451.055+/-106.922 χ^2/NDF: 87.9/39

All: -305.656+/-75.789 χ^2/NDF: 133.9/81

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

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

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

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

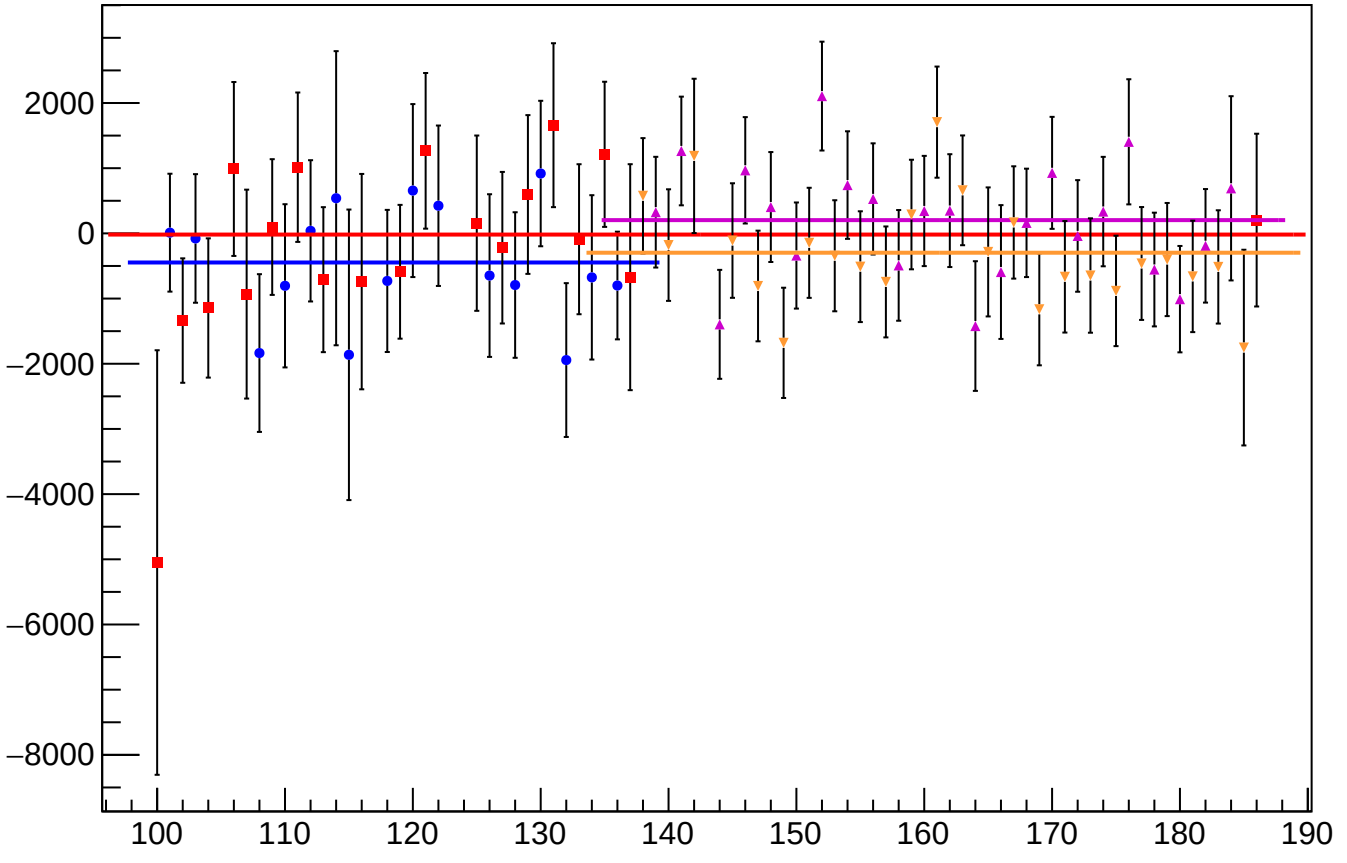
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 528.464+/-0.076 χ^2/NDF: 2408588.1/39

All: 529.887+/-0.054 χ^2/NDF: 5375007.3/81

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

dit_asym_us_dd_mean vs Slug



Right In: -446.659+/-289.238 χ^2/NDF: 7.3/15

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

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

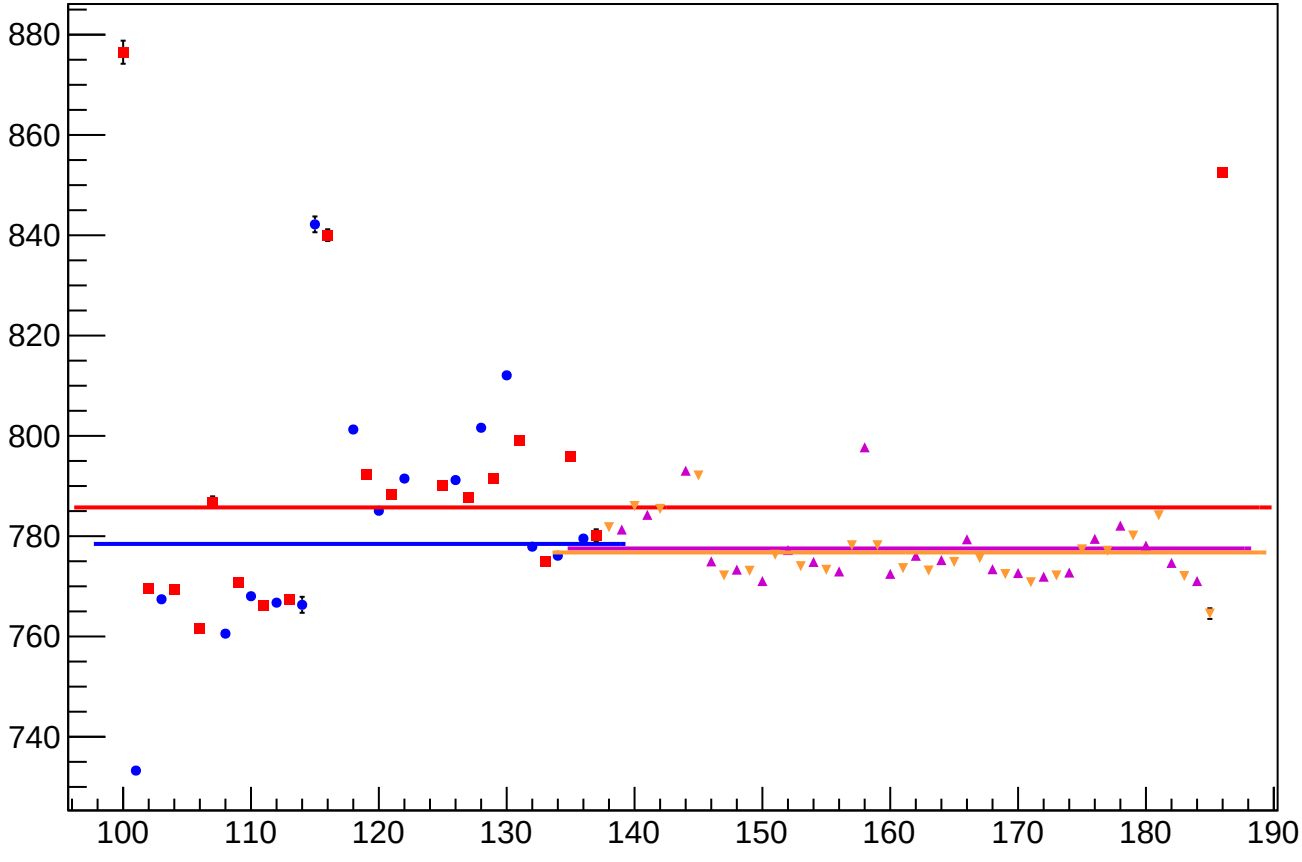
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -338.708+/-152.995 χ^2/NDF: 24.2/39

All: -99.597+/-108.049 χ^2/NDF: 64.3/81

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

dit_asym_us_dd_rms vs Slug



Right In: 778.456+/-0.205 χ^2/NDF: 11795.2/15

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

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

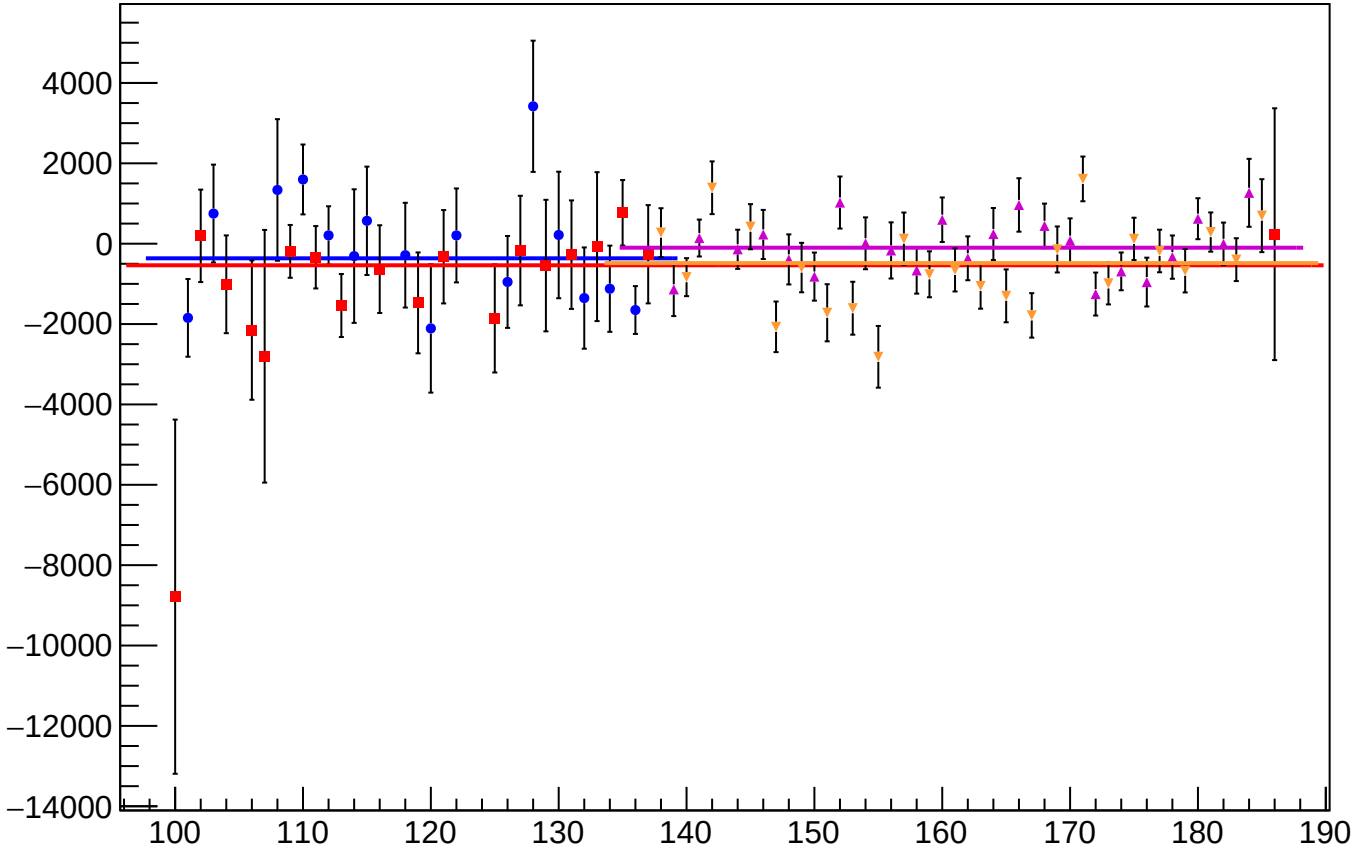
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 777.228+/-0.108 χ^2/NDF: 13671.6/39

All: 778.593+/-0.076 χ^2/NDF: 30723.7/81

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

asym_us_dd_dit_correction_mean vs Slug



Right In: -363.977+/-269.316 χ^2/NDF: 23.3/15

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

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

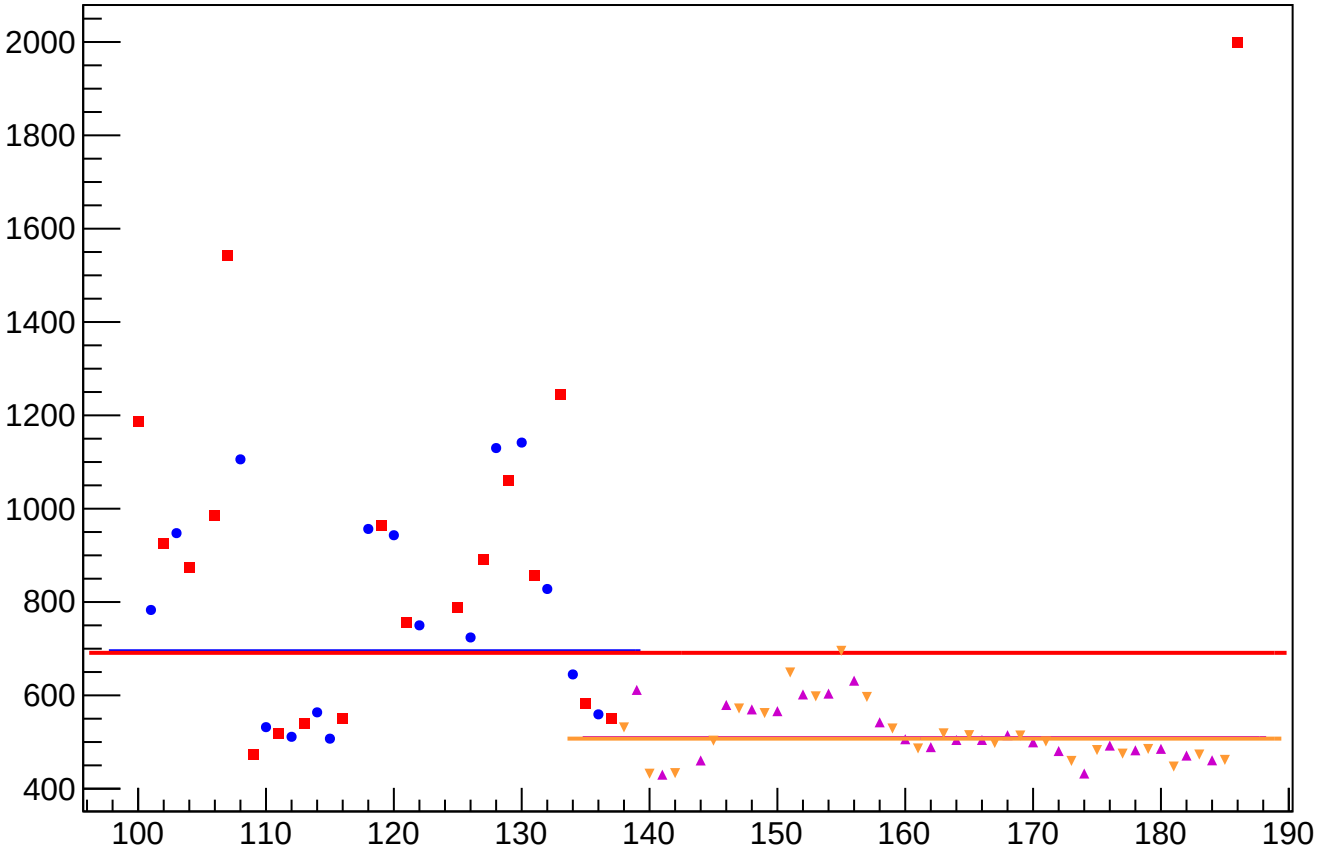
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -463.516+/-108.699 χ^2/NDF: 88.6/39

All: -319.381+/-76.976 χ^2/NDF: 133.6/81

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

asym_us_dd_dit_correction_rms vs Slug



Right In: 694.522+/-0.190 χ^2/NDF: 1029884.9/15

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

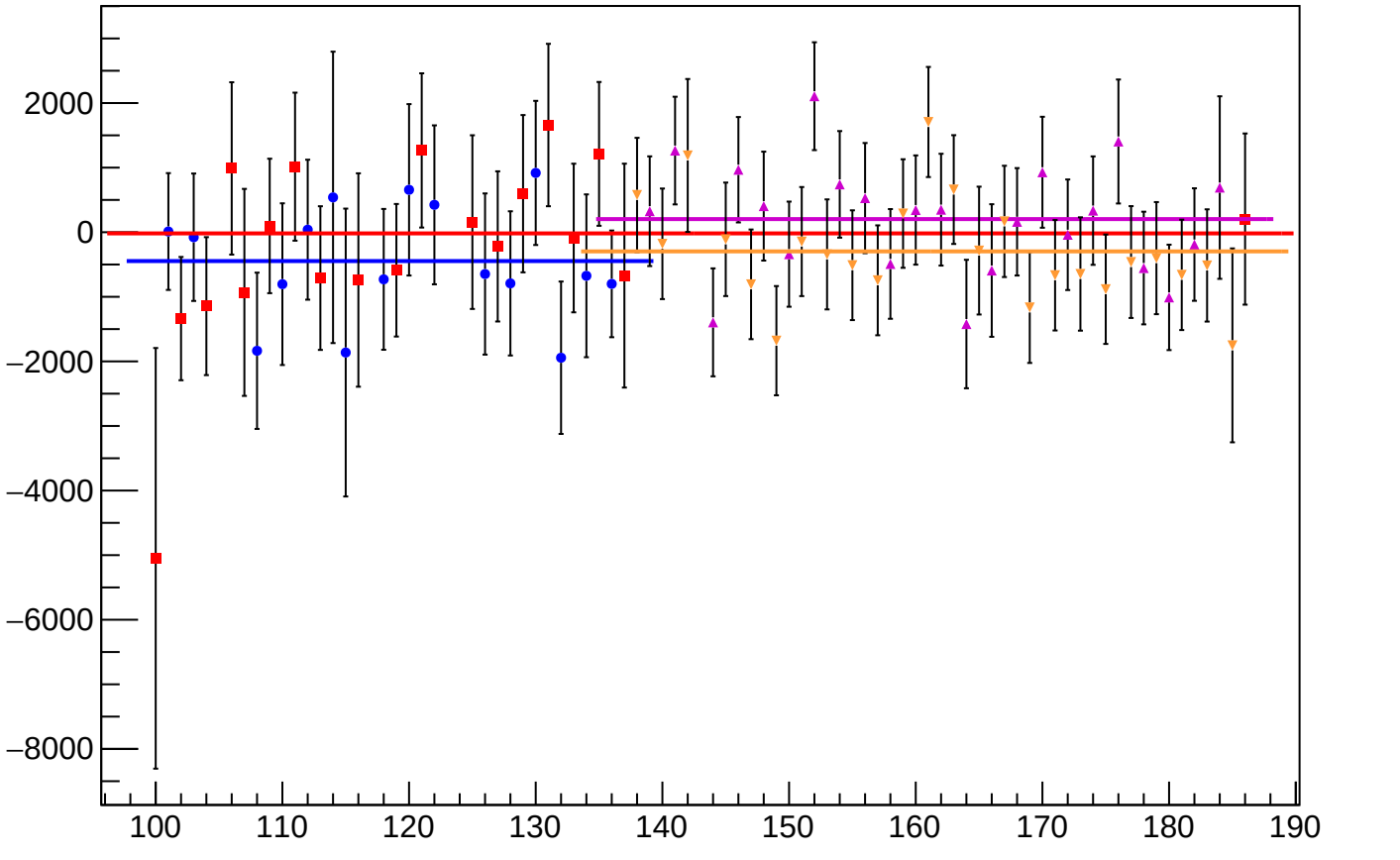
Right Out: 691.115+/-0.187 χ^2/NDF: 1662039.0/18

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

\+ sign 537.815+/-0.077 χ^2/NDF: 2312797.6/39

All: 538.745+/-0.054 χ^2/NDF: 5198577.5/81

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



Right In: -446.659+/-289.238 χ^2/NDF: 7.3/15

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

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

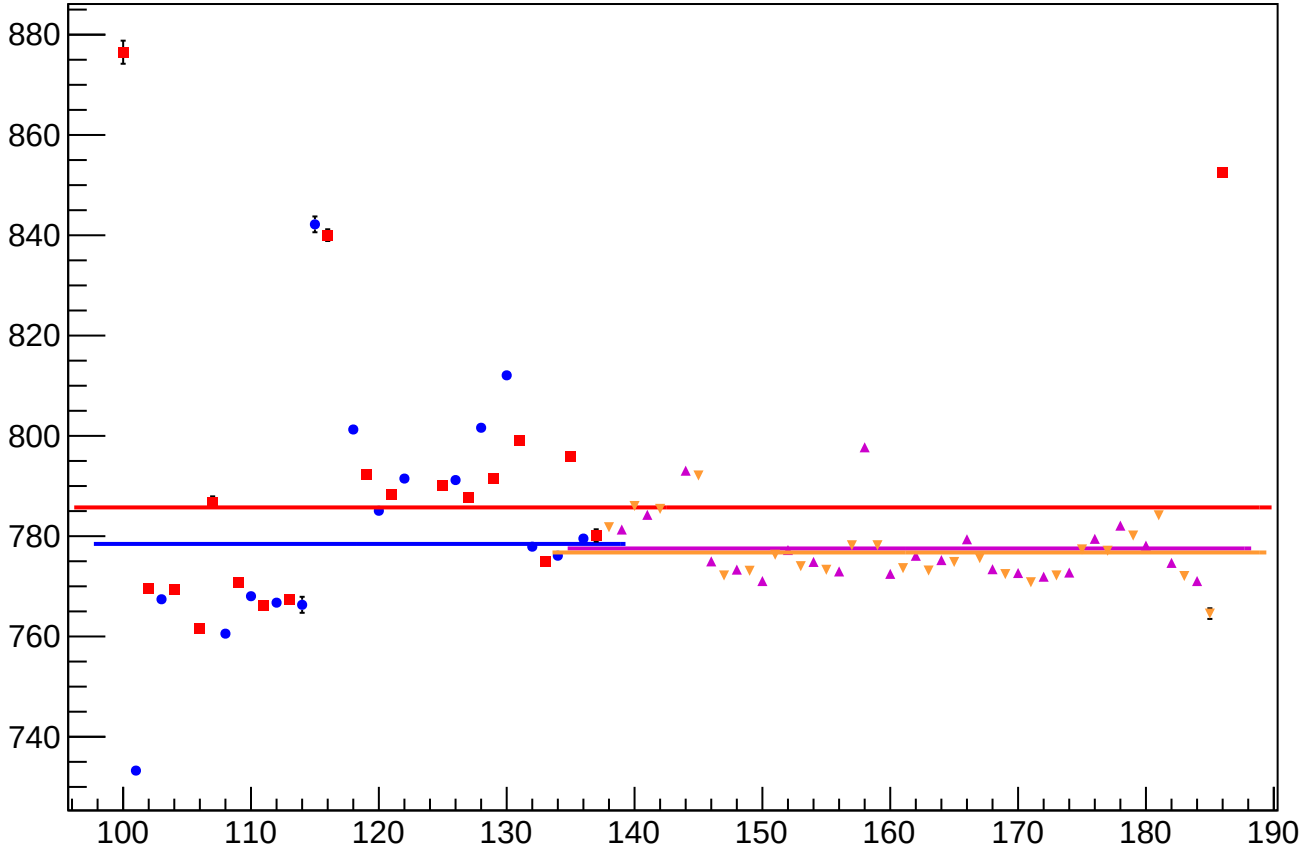
Left In: 203.338+/-181.548 χ^2/NDF:22.1/22

+ sign -338.709+/-152.995 χ^2/NDF: 24.2/39

All: -99.597+/-108.049 χ^2/NDF: 64.3/81

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

eigen_dit_asym_us_dd_rms vs Slug



Right In: 778.456+/-0.205 χ^2/NDF: 11795.2/15

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

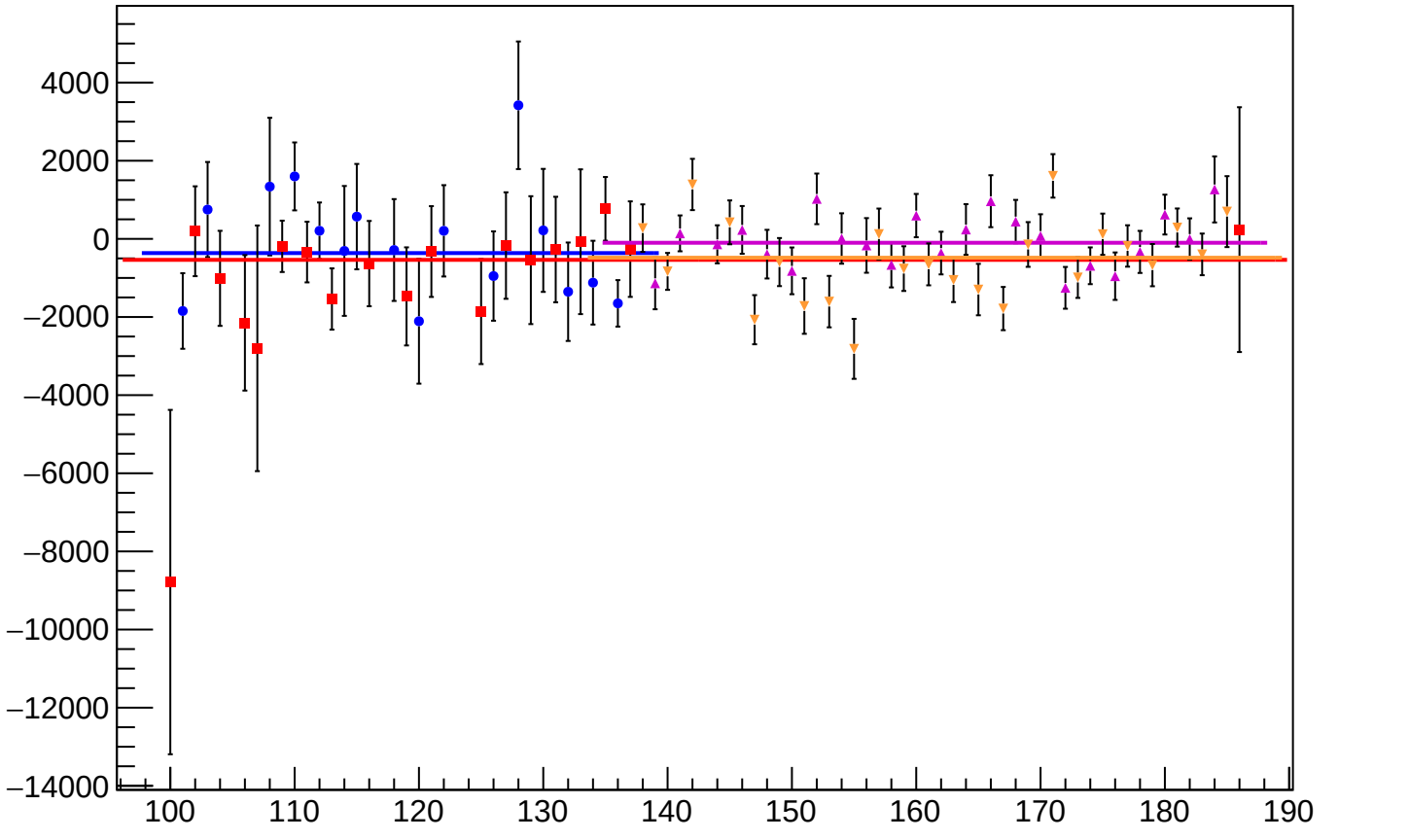
Right Out: 785.735+/-0.199 χ^2/NDF: 12791.4/18

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

+ sign 777.228+/-0.108 χ^2/NDF: 13671.5/39

All: 778.593+/-0.076 χ^2/NDF: 30723.7/81

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



Right In: -363.973+/-269.314 χ^2/NDF: 23.3/15

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

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

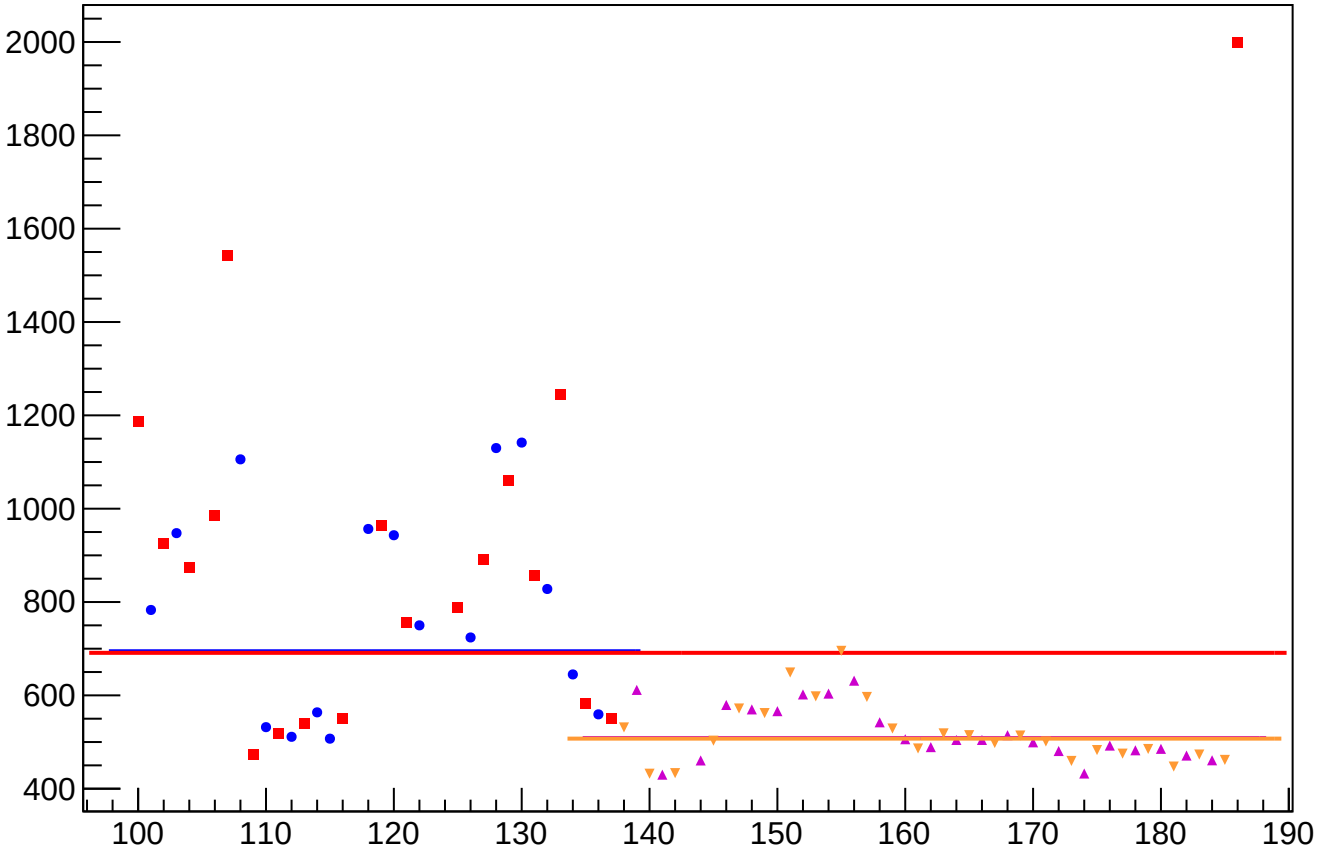
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -463.515+/-108.699 χ^2/NDF: 88.6/39

All: -319.381+/-76.976 χ^2/NDF: 133.6/81

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

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 694.519+/-0.190 χ^2/NDF: 1029897.1/15

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

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

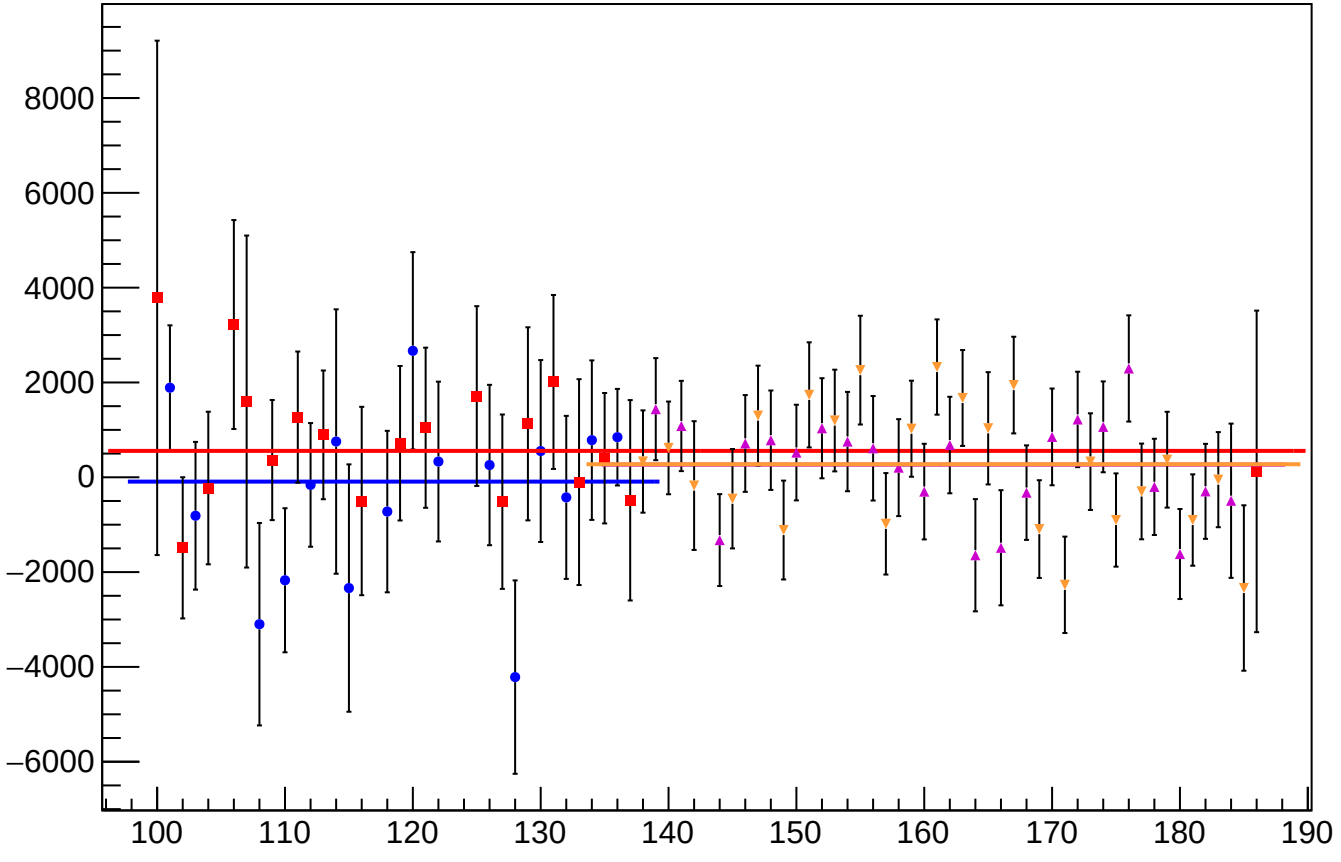
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

+ sign 537.814+/-0.077 χ^2/NDF: 2312793.8/39

All: 538.745+/-0.054 χ^2/NDF: 5198586.5/81

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

asym_us_dd_mean vs Slug



Right In: -91.305+/-409.957 χ^2/NDF: 14.5/15

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

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

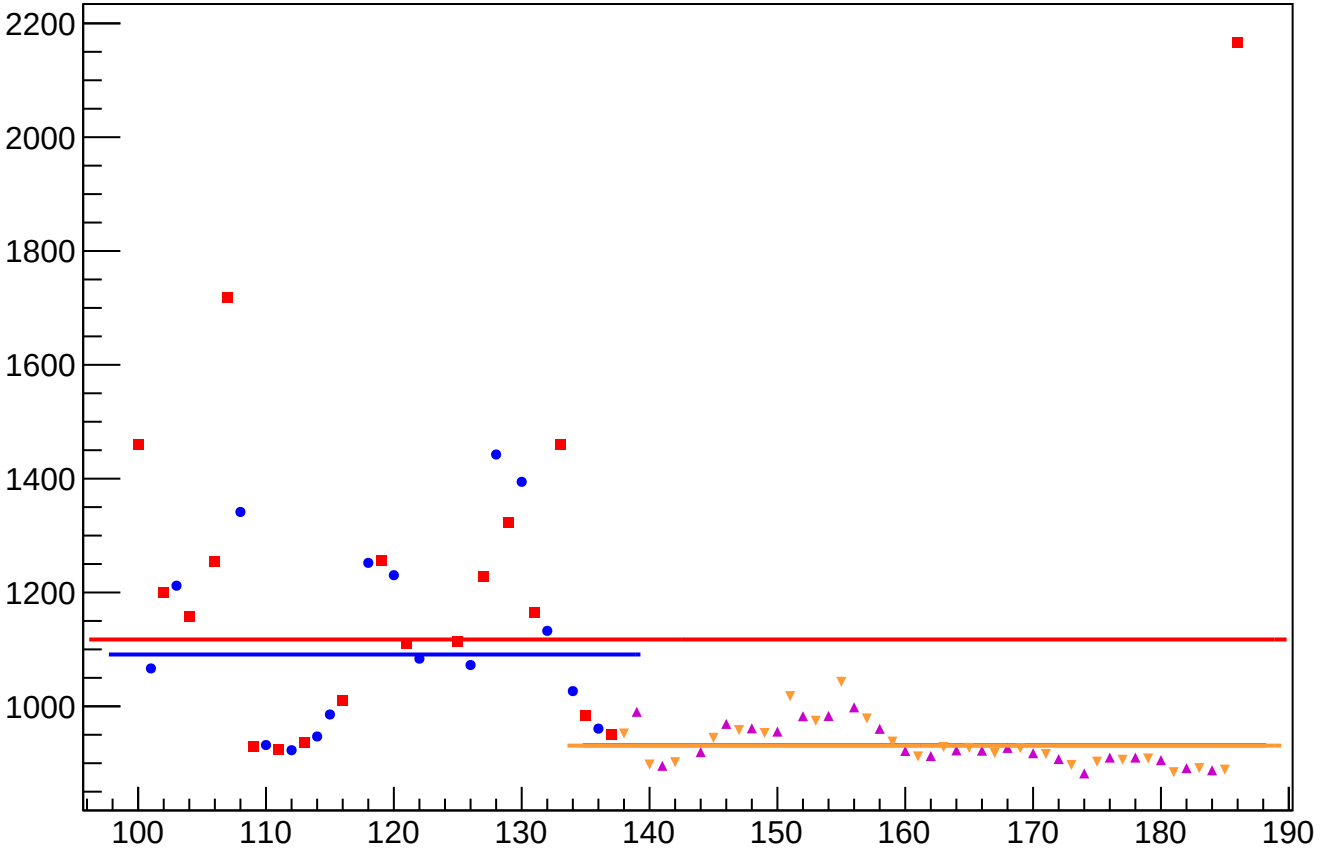
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 195.381+/-191.298 χ^2/NDF: 48.8/39

All: 262.975+/-135.557 χ^2/NDF: 77.3/81

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

asym_us_dd_rms vs Slug



Right In: 1091.041+/-0.290 χ^2/NDF: 277304.9/15

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

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

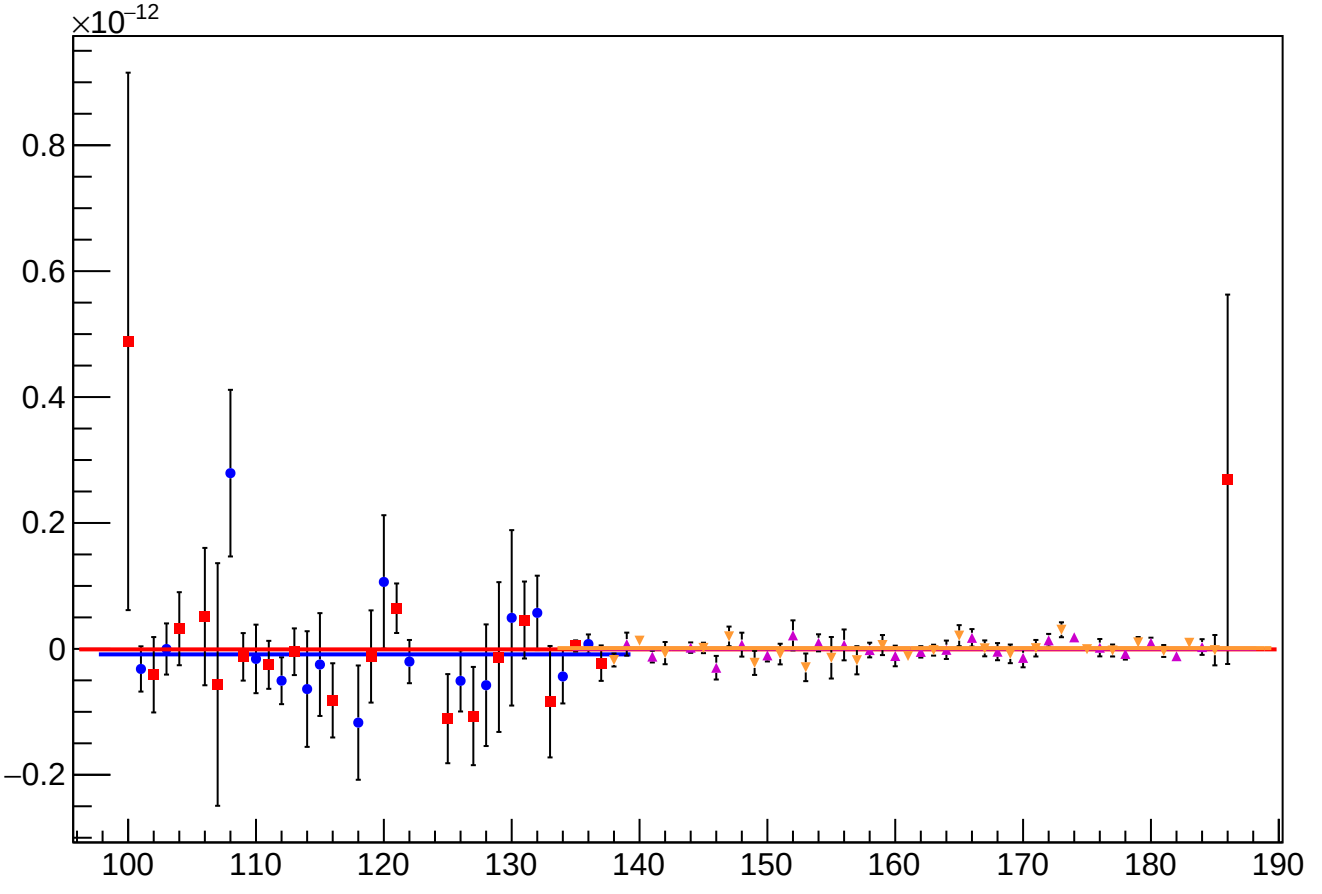
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 965.787+/-0.135 χ^2/NDF: 577922.5/39

All: 969.207+/-0.096 χ^2/NDF: 1473027.3/81

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

asym_us_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/15

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

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

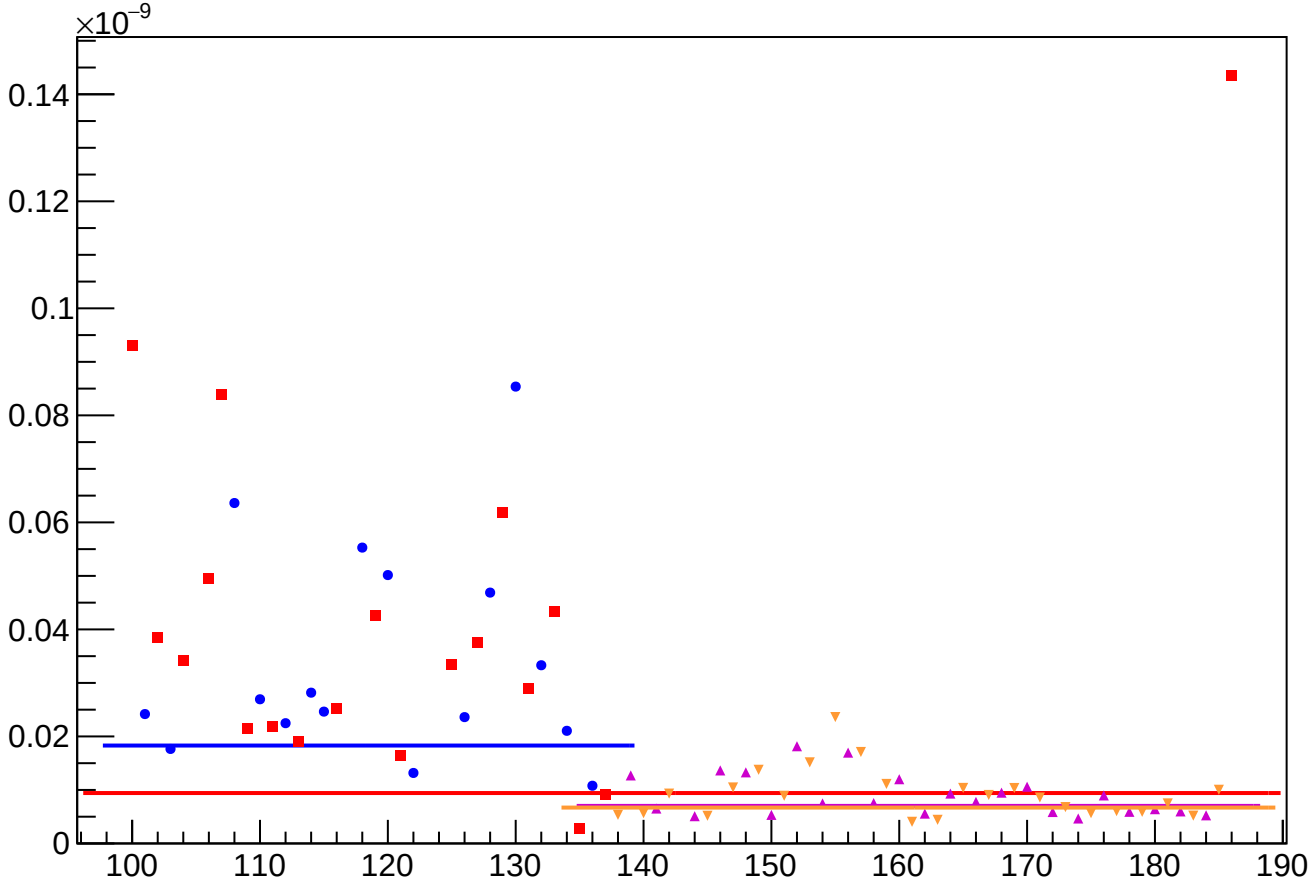
Left In: 0.000+/-0.000 χ^2/NDF:22.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.4/39

All: 0.000+/-0.000 χ^2/NDF: 77.8/81

- sign 0.000+/-0.000 χ^2/NDF: 37.3/41

asym_us_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2242543.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2928195.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5558087.8/18

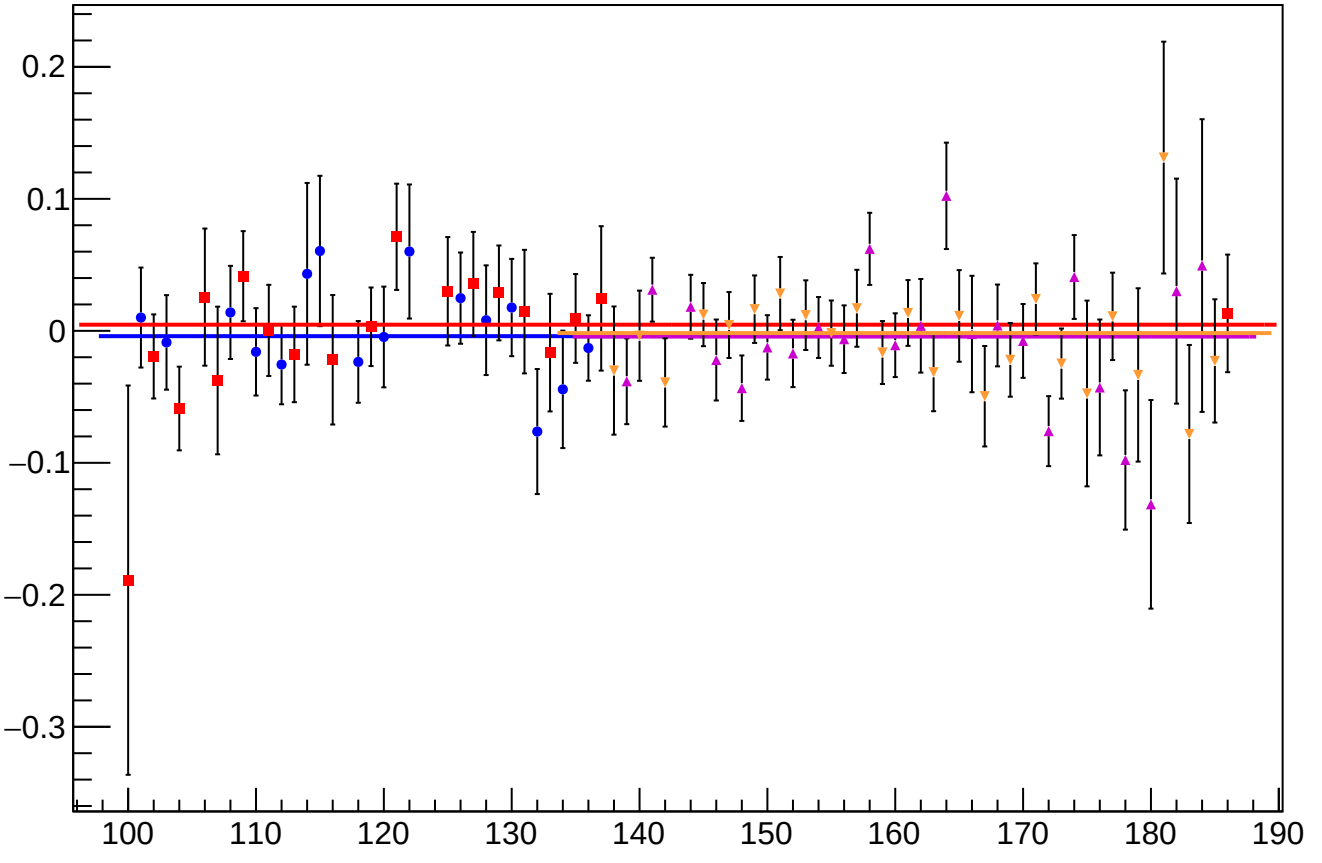
Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7615974.2/39

All: 0.000+/-0.000 χ^2/NDF: 15814439.6/81

- sign 0.000+/-0.000 χ^2/NDF: 8198464.5/41

asym_us_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

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

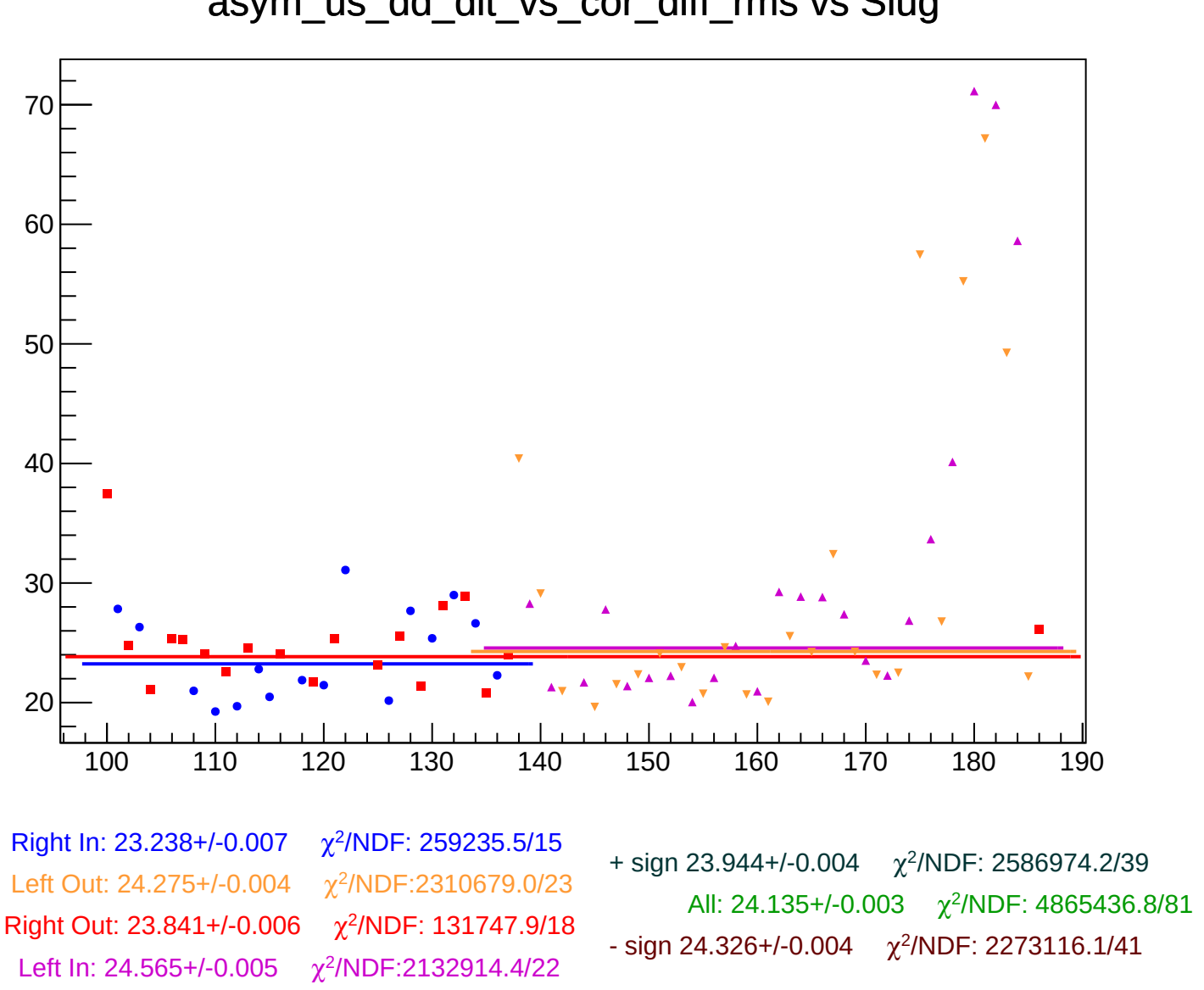
Right Out: 0.005+/-0.009 χ^2/NDF: 13.5/18

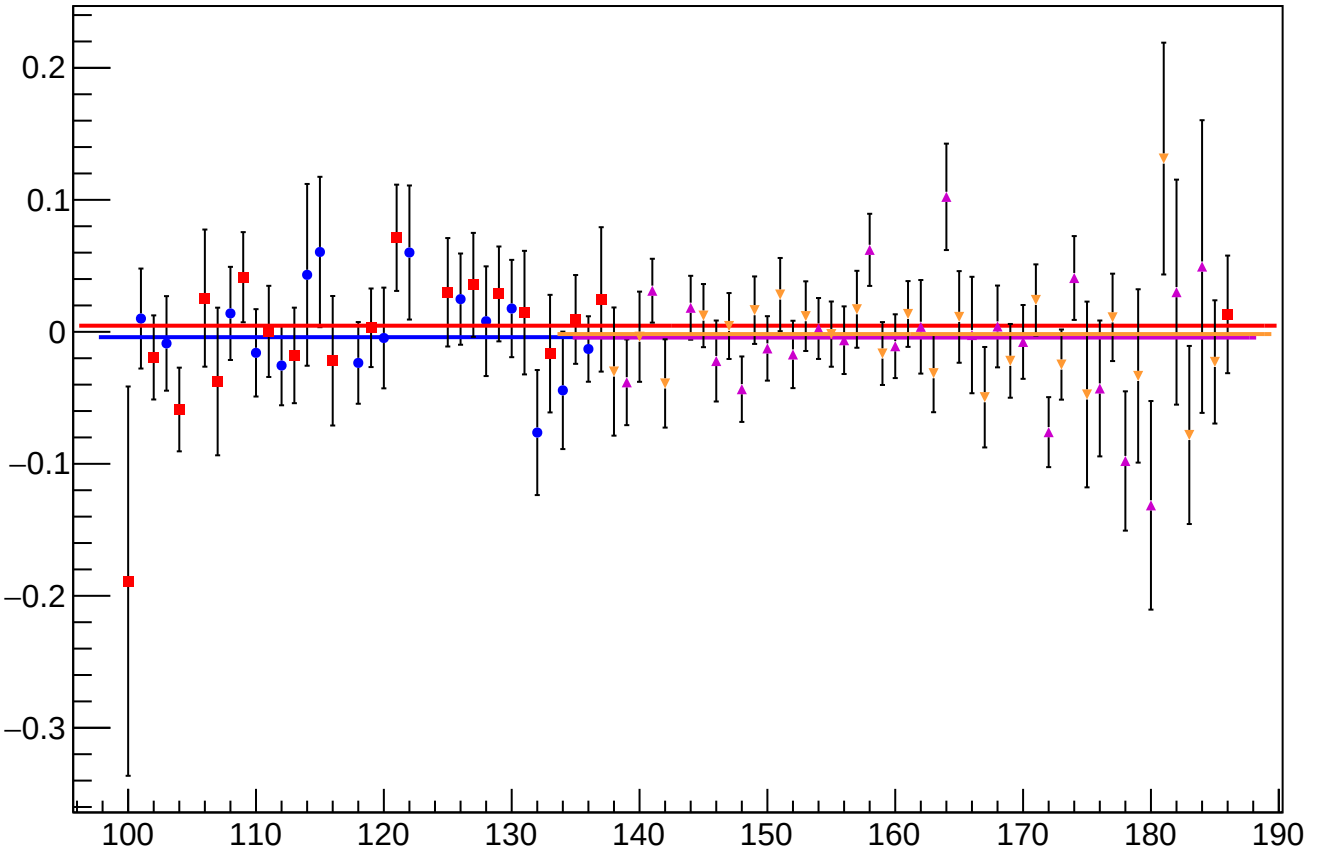
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.005 χ^2/NDF: 23.9/39

All: -0.002+/-0.004 χ^2/NDF: 74.6/81

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


asym_us_dd_dit_vs_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
190
Right In: 23.238+/-0.007 χ²/NDF: 259235.5/15
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 23.841+/-0.006 χ²/NDF: 131747.9/18
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
+ sign 23.944+/-0.004 χ²/NDF: 2586974.2/39
All: 24.135+/-0.003 χ²/NDF: 4865436.8/81
- sign 24.326+/-0.004 χ²/NDF: 2273116.1/41



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

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

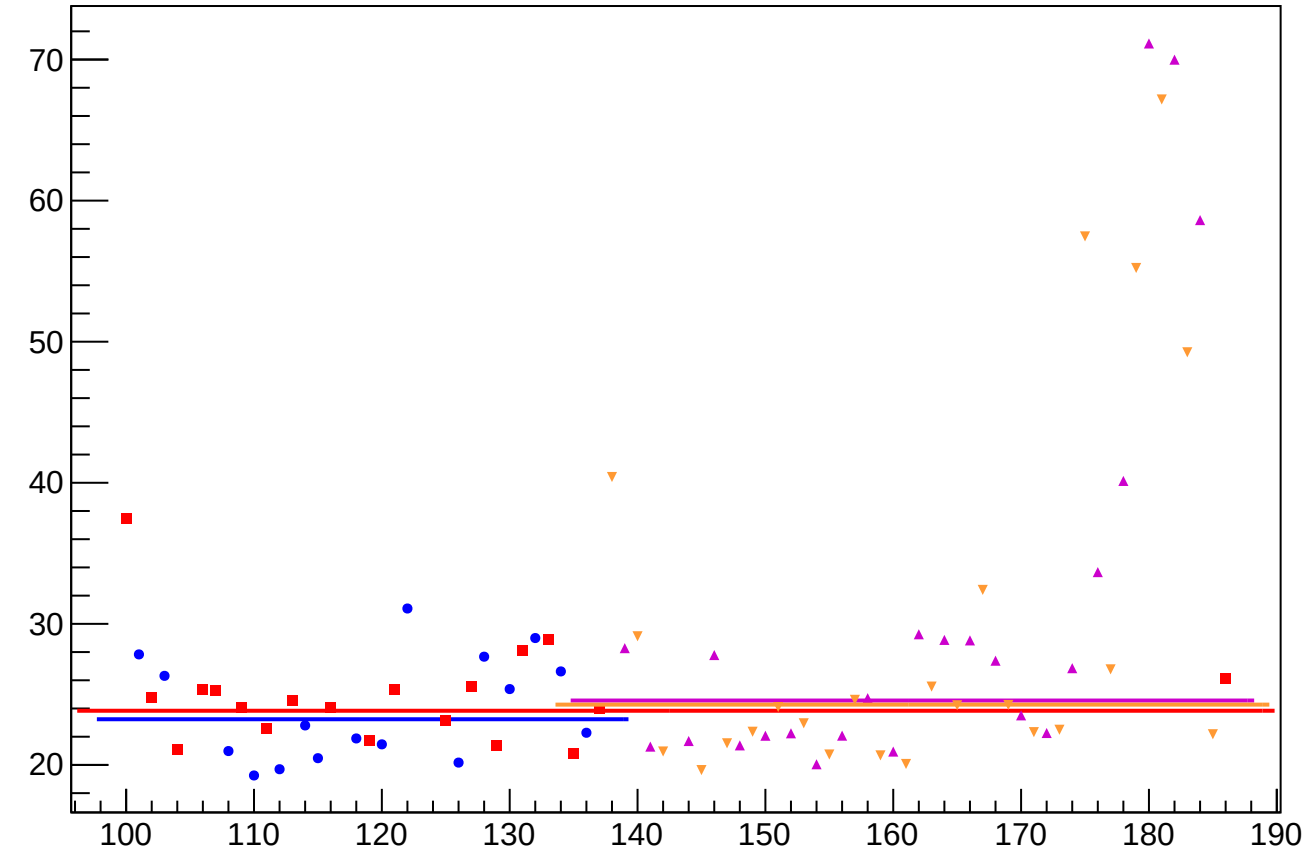
Right Out: 0.005+/-0.009 χ^2/NDF: 13.5/18

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

+ sign -0.002+/-0.005 χ^2/NDF: 23.9/39

All: -0.002+/-0.004 χ^2/NDF: 74.6/81

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



Right In: 23.238+/-0.007 χ^2/NDF: 259235.5/15

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

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

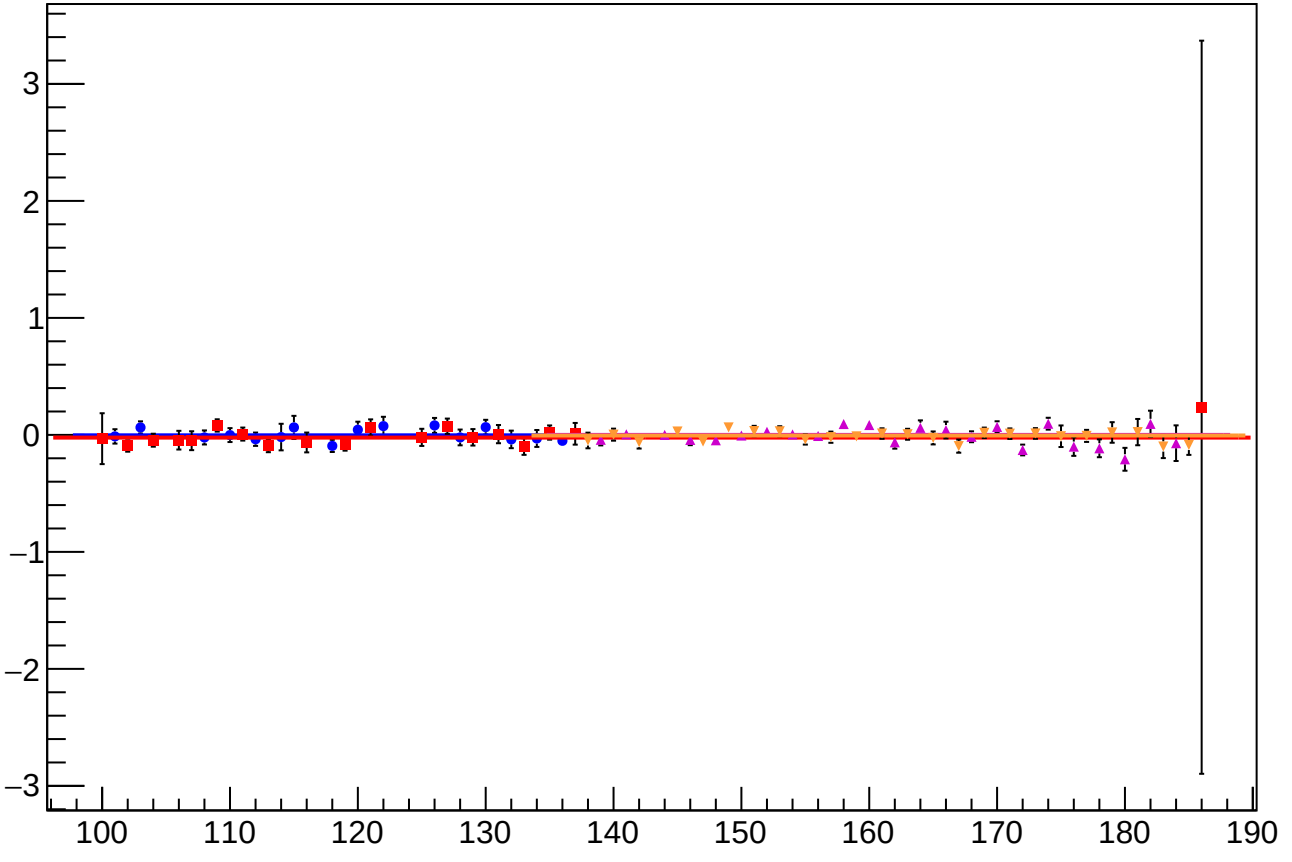
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 23.944+/-0.004 χ^2/NDF: 2586974.2/39

All: 24.135+/-0.003 χ^2/NDF: 4865436.8/81

- 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: 11.7/15

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

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

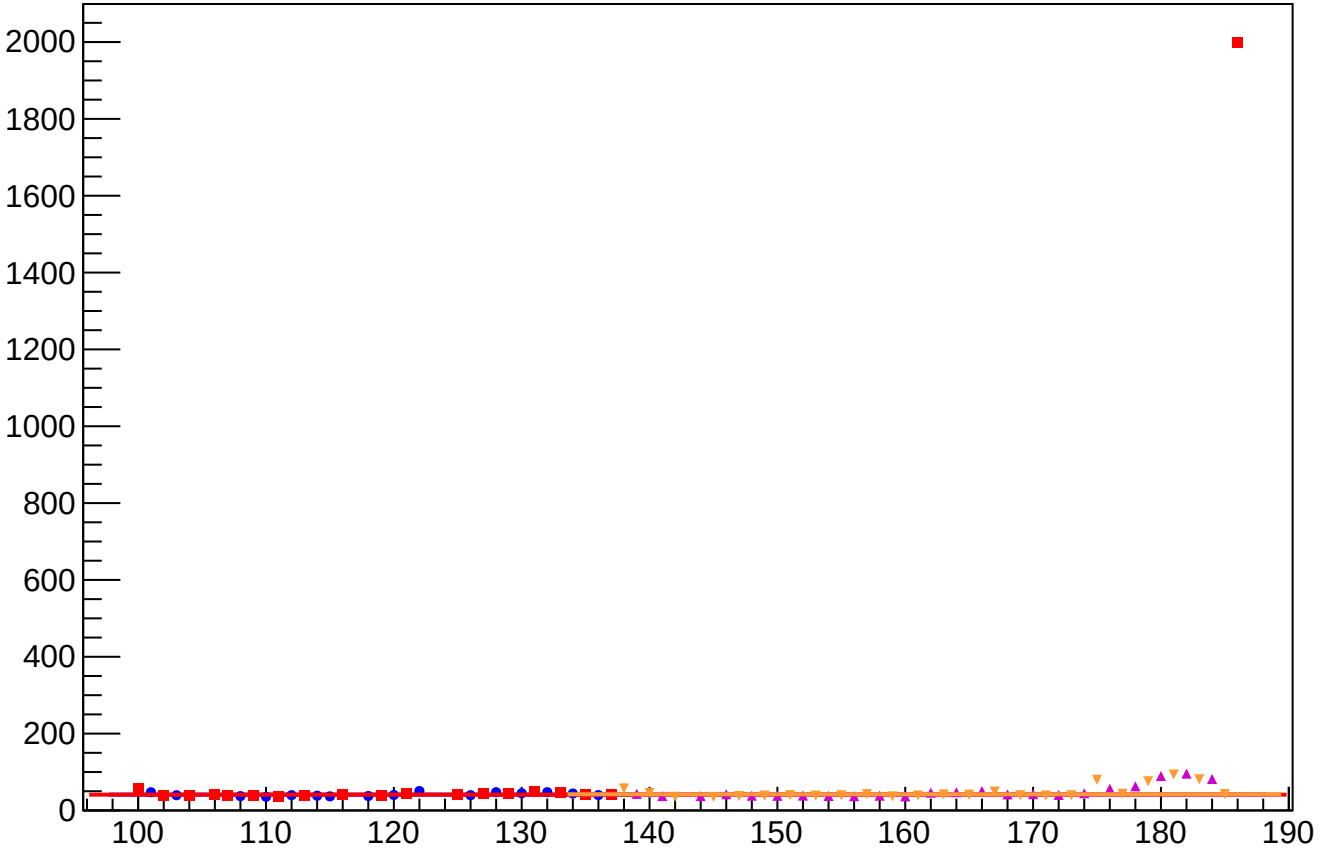
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.005+/-0.009 χ^2/NDF: 25.5/39

All: -0.006+/-0.006 χ^2/NDF: 80.4/81

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

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.242+/-0.011 χ^2/NDF: 135279.1/15

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

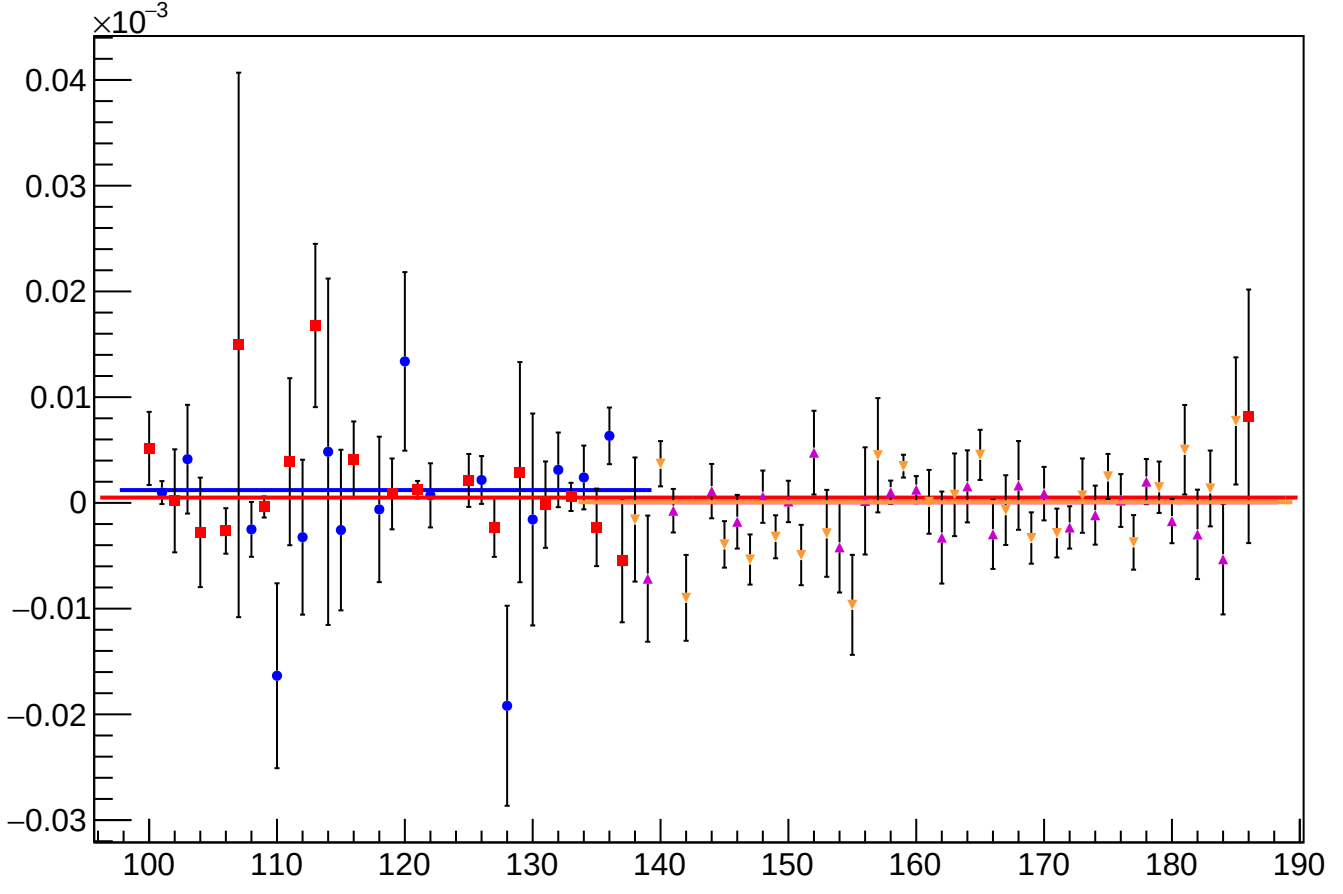
Right Out: 41.103+/-0.011 χ^2/NDF: 877138.2/18

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

+ sign 41.831+/-0.006 χ^2/NDF: 1855357.3/39

All: 41.803+/-0.004 χ^2/NDF: 4281496.7/81

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



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/15

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

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

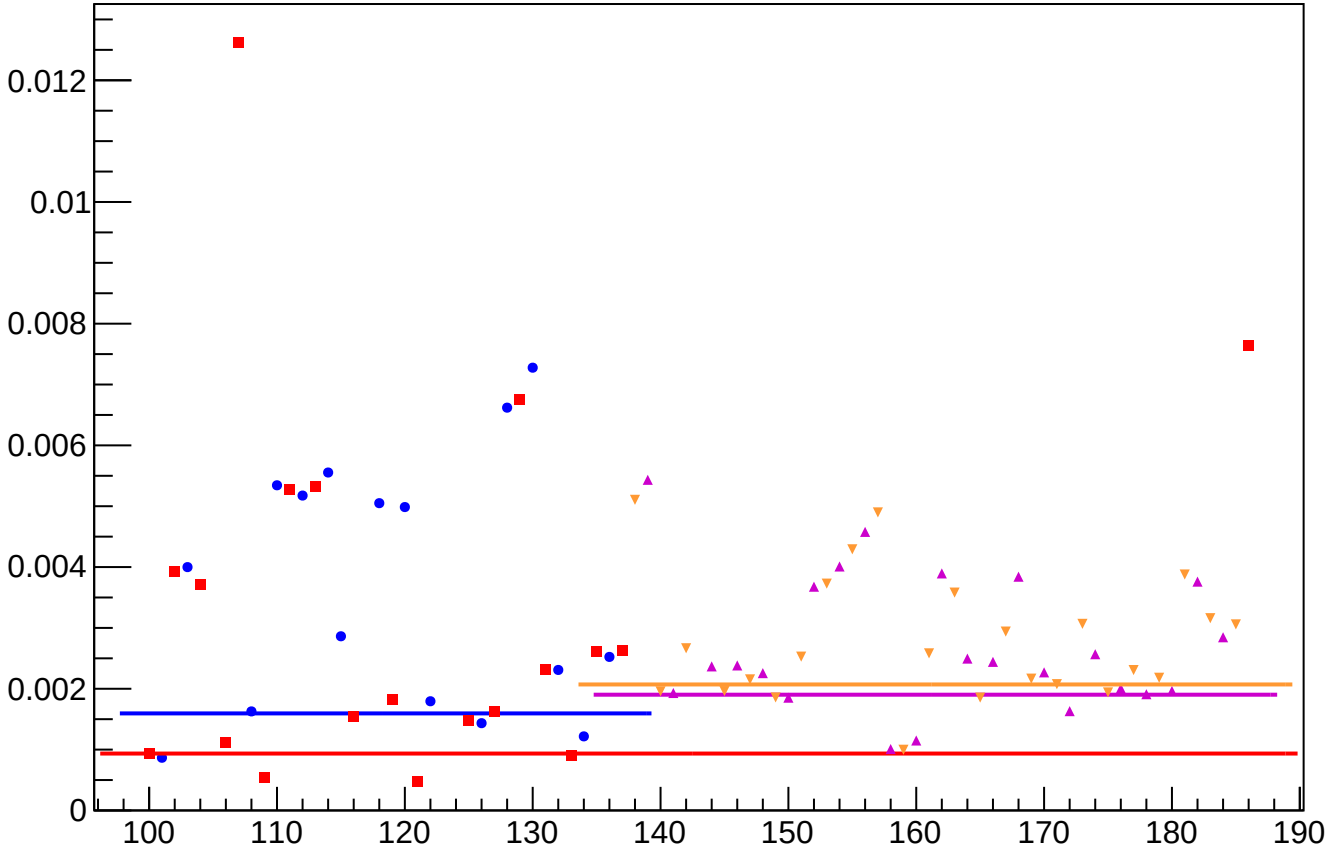
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.6/39

All: 0.000+/-0.000 χ^2/NDF: 100.4/81

- 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: 4762068.1/15

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

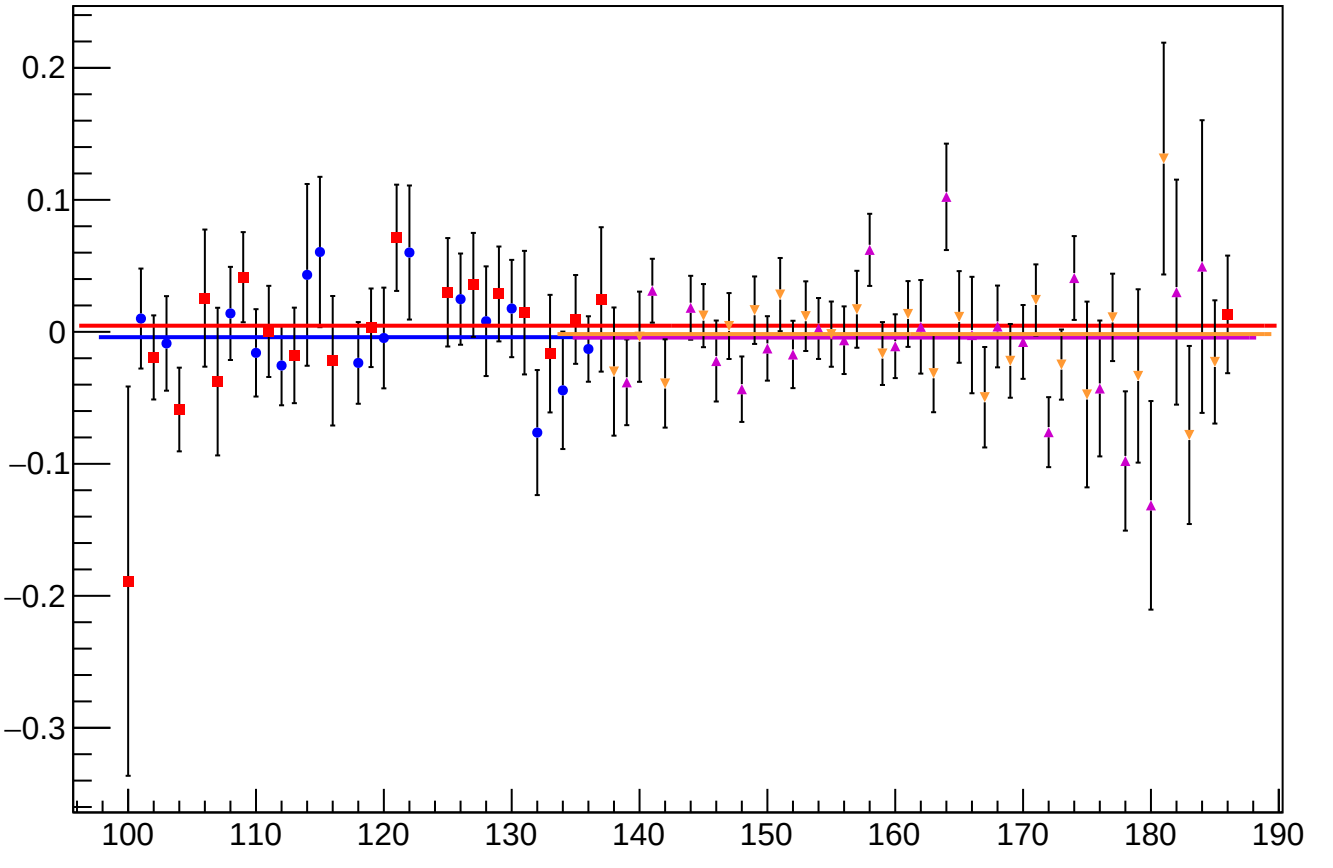
Right Out: 0.001+/-0.000 χ^2/NDF: 6406912.2/18

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

+ sign 0.002+/-0.000 χ^2/NDF: 10565632.5/39

All: 0.002+/-0.000 χ^2/NDF: 28305178.5/81

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



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

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

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

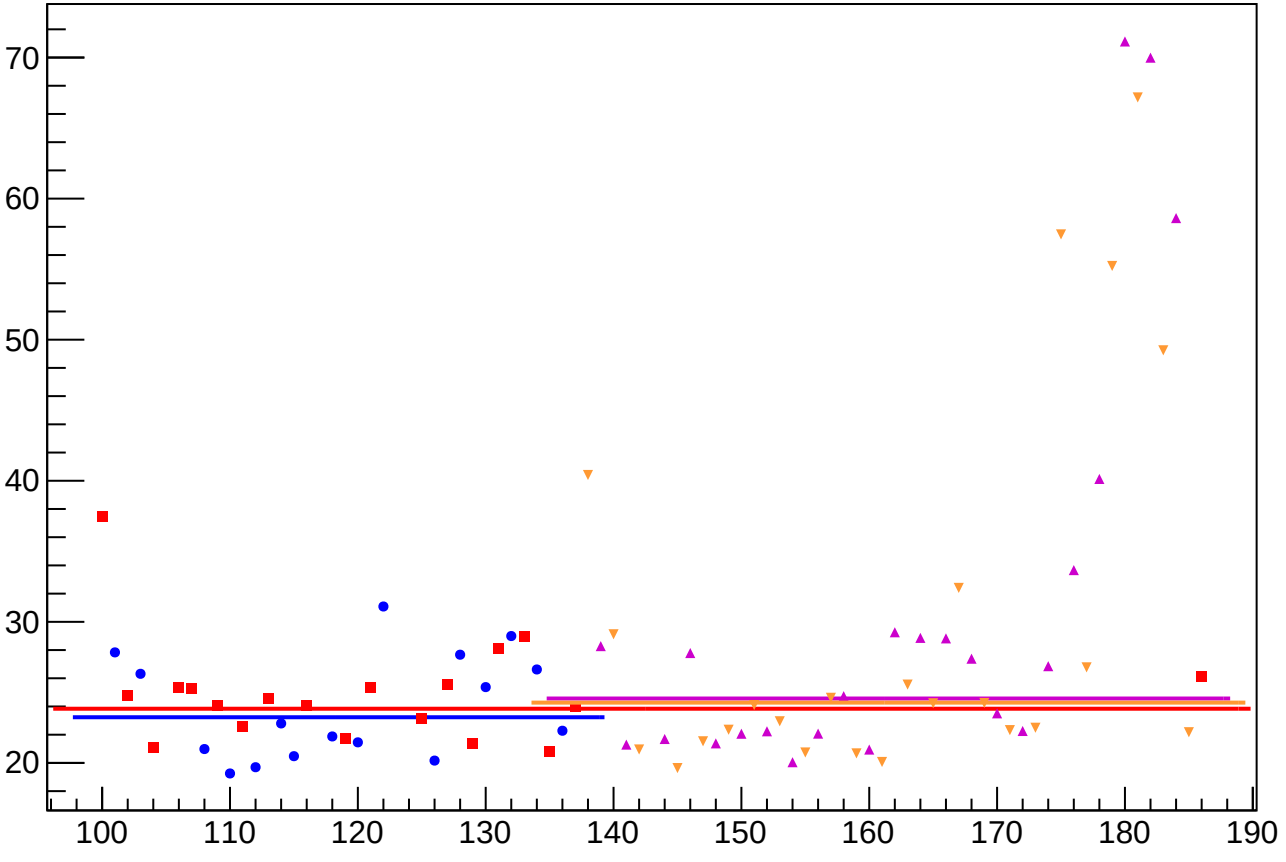
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.005 χ^2/NDF: 23.9/39

All: -0.002+/-0.004 χ^2/NDF: 74.6/81

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

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.237+/-0.007 χ^2/NDF: 259224.2/15

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

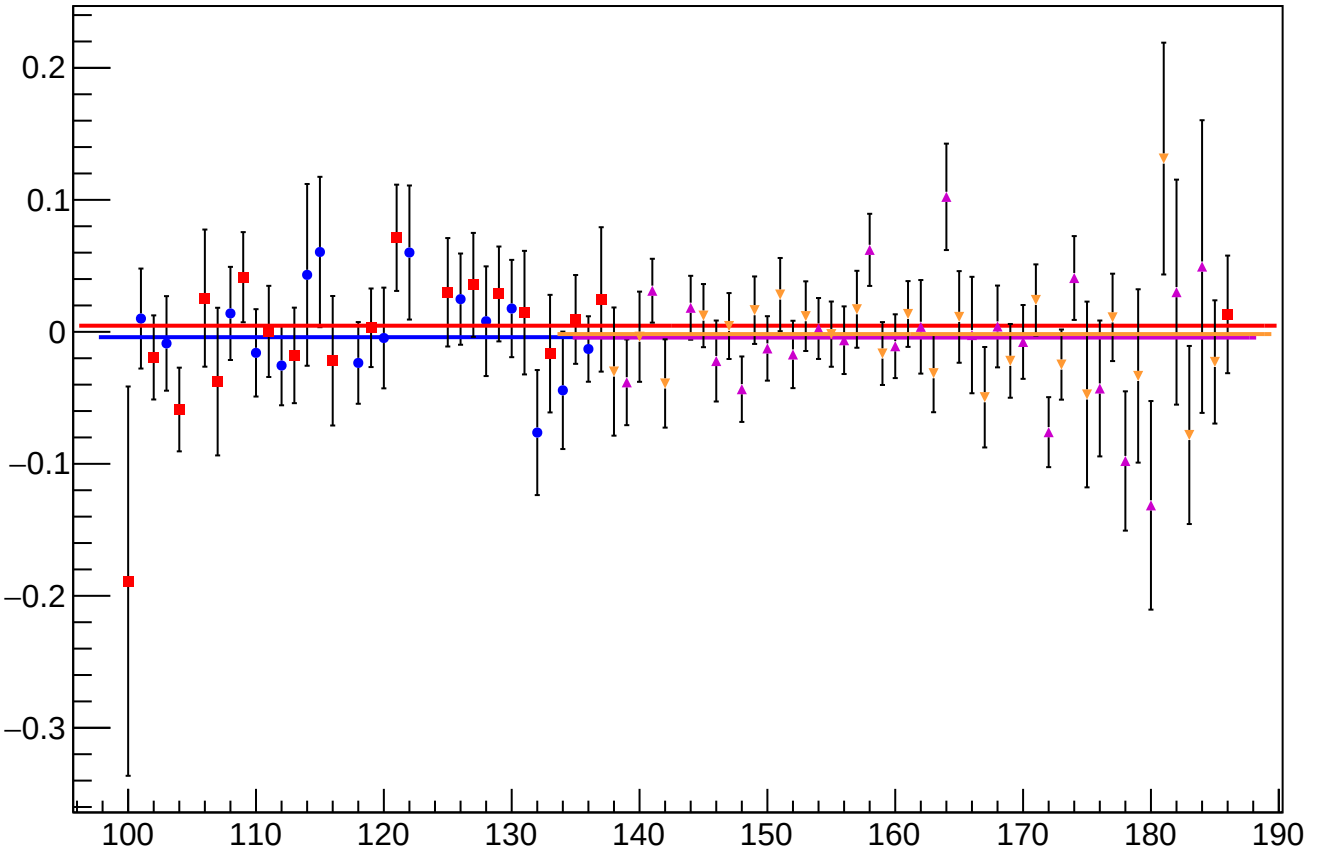
Right Out: 23.841+/-0.006 χ^2/NDF: 131695.7/18

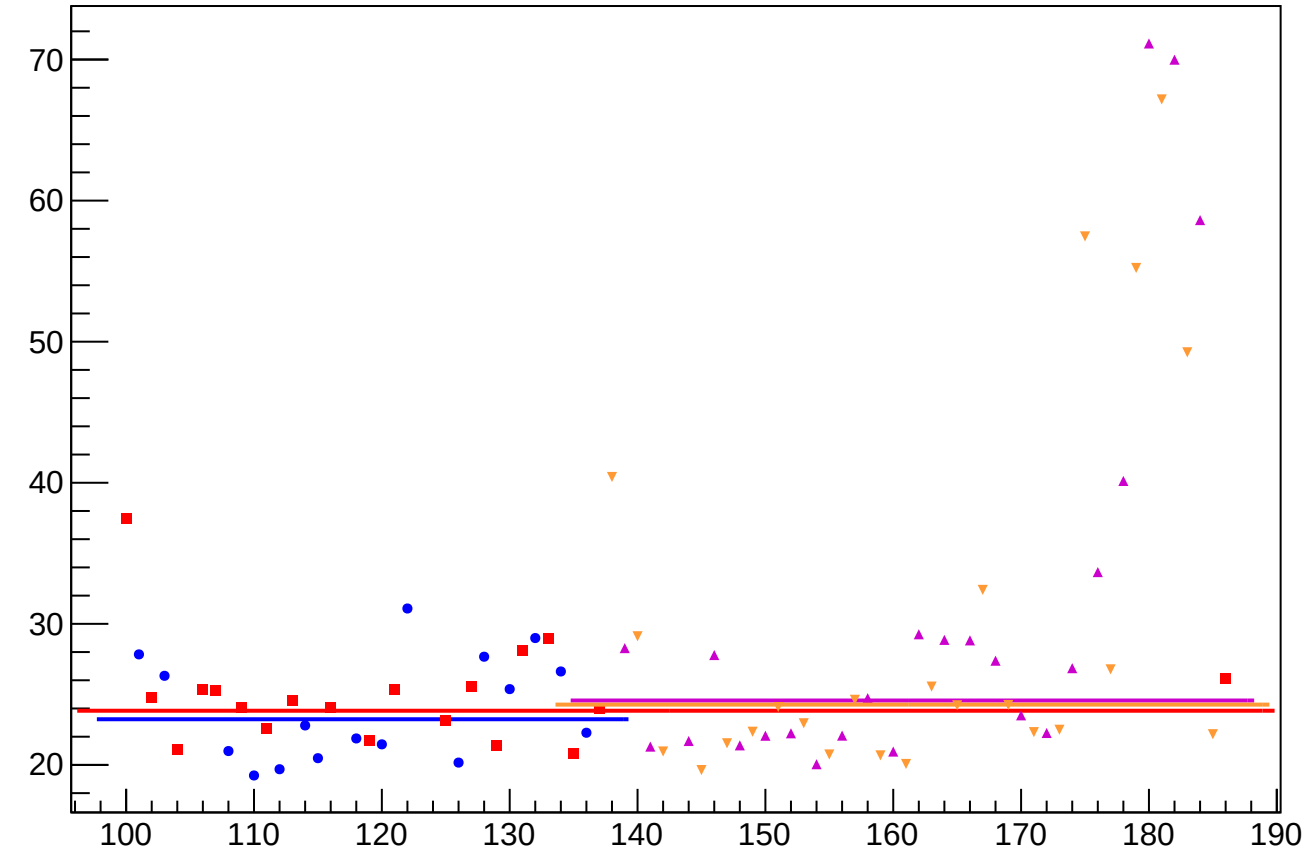
Left In: 24.565+/-0.005 χ^2/NDF:2132779.0/22

+ sign 23.943+/-0.004 χ^2/NDF: 2586992.4/39

All: 24.135+/-0.003 χ^2/NDF: 4865281.6/81

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


asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
190
Right In: -0.004+/-0.009 χ²/NDF: 9.2/15
Left Out: -0.002+/-0.006 χ²/NDF:14.6/23
Right Out: 0.005+/-0.009 χ²/NDF: 13.5/18
Left In: -0.004+/-0.006 χ²/NDF:36.5/22
+ sign -0.002+/-0.005 χ²/NDF: 23.9/39
All: -0.002+/-0.004 χ²/NDF: 74.6/81
- sign -0.001+/-0.005 χ²/NDF: 50.7/41



Right In: 23.237+/-0.007 χ^2/NDF: 259224.2/15

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

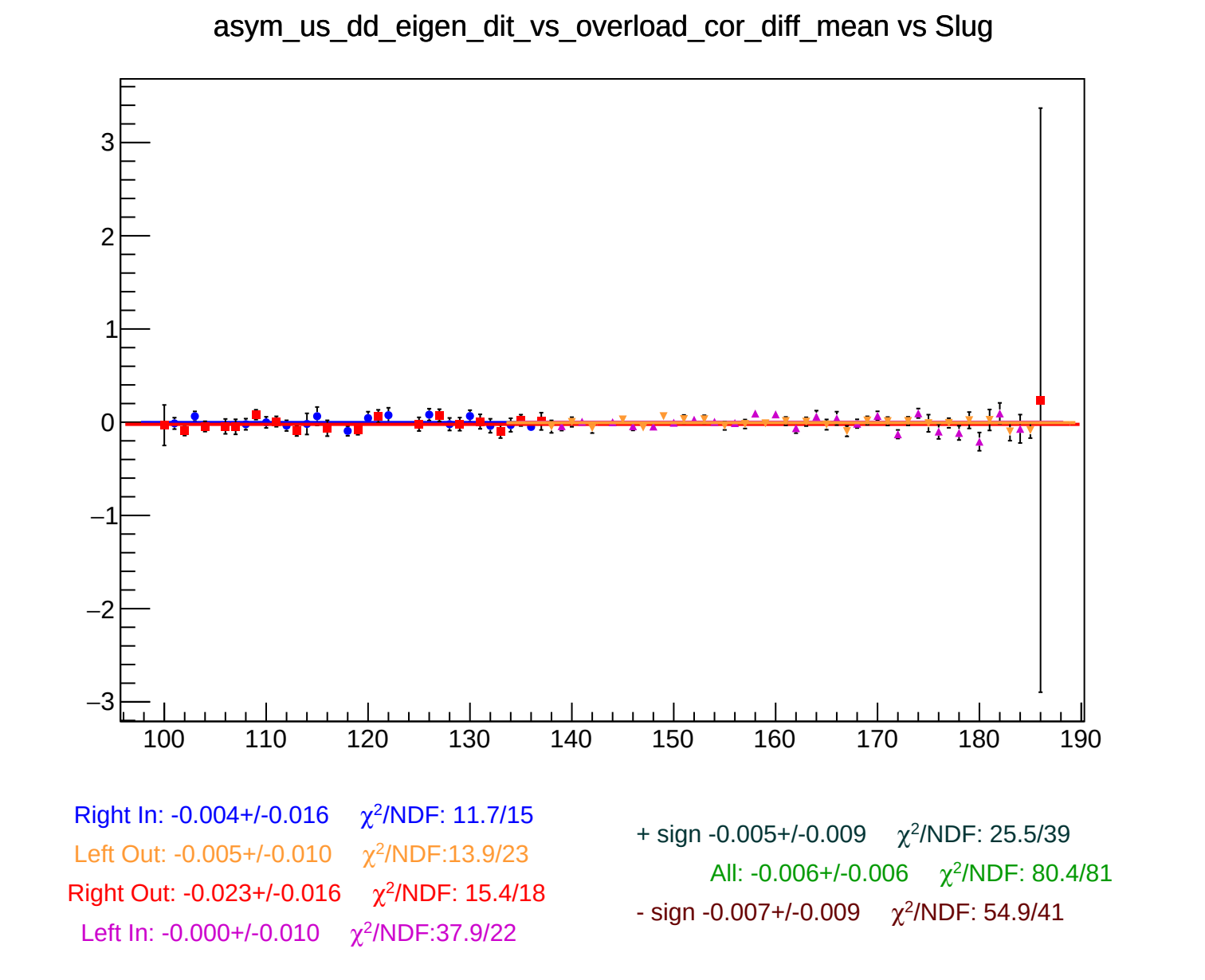
Right Out: 23.841+/-0.006 χ^2/NDF: 131695.7/18

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

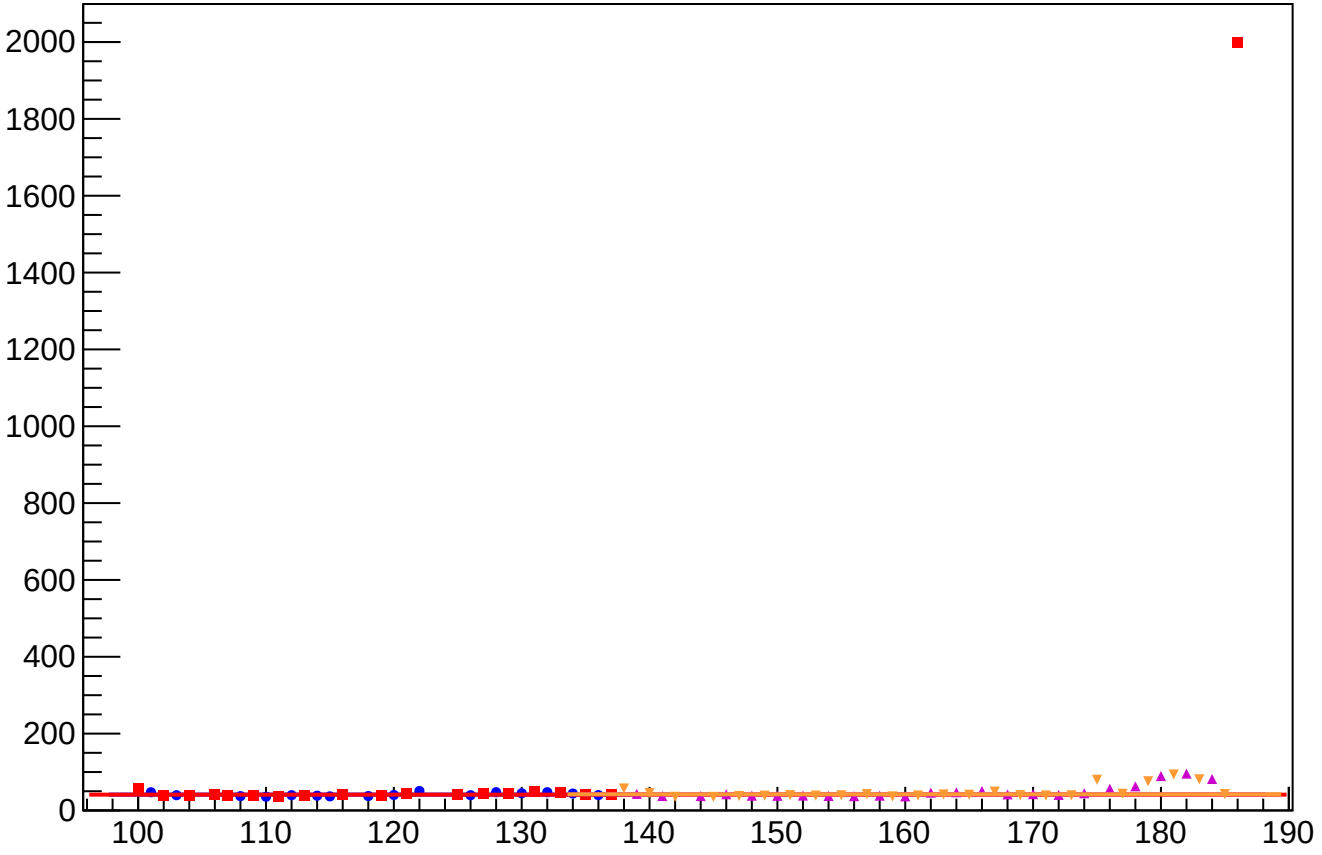
+ sign 23.943+/-0.004 χ^2/NDF: 2586992.4/39

All: 24.135+/-0.003 χ^2/NDF: 4865281.6/81

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


asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.004+/-0.016 χ²/NDF: 11.7/15
Left Out: -0.005+/-0.010 χ²/NDF:13.9/23
Right Out: -0.023+/-0.016 χ²/NDF: 15.4/18
Left In: -0.000+/-0.010 χ²/NDF:37.9/22
+ sign -0.005+/-0.009 χ²/NDF: 25.5/39
All: -0.006+/-0.006 χ²/NDF: 80.4/81
- sign -0.007+/-0.009 χ²/NDF: 54.9/41

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.241+/-0.011 χ^2/NDF: 135256.9/15

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

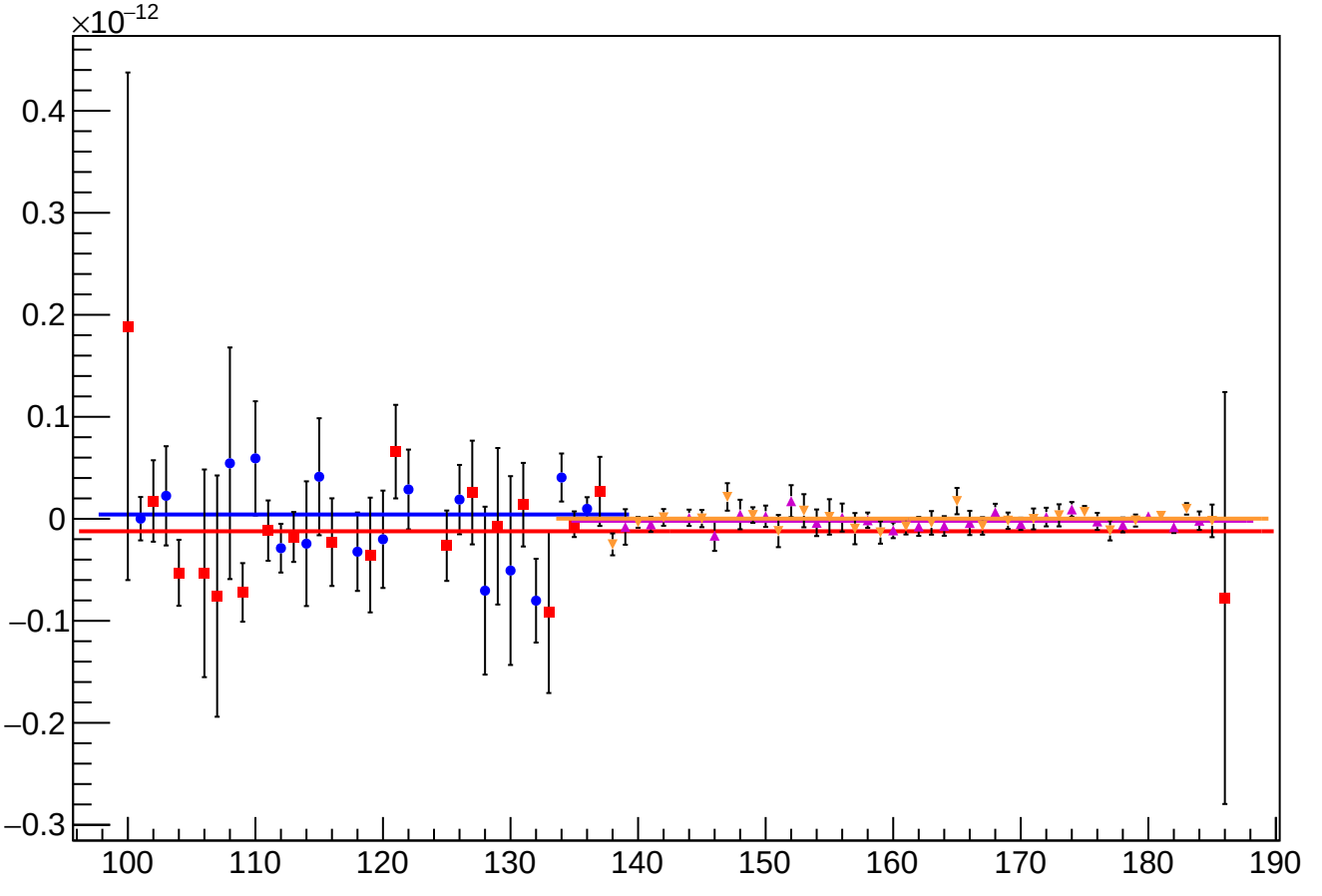
Right Out: 41.103+/-0.011 χ^2/NDF: 877127.0/18

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

+ sign 41.831+/-0.006 χ^2/NDF: 1855328.5/39

All: 41.803+/-0.004 χ^2/NDF: 4281433.9/81

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



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/15

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

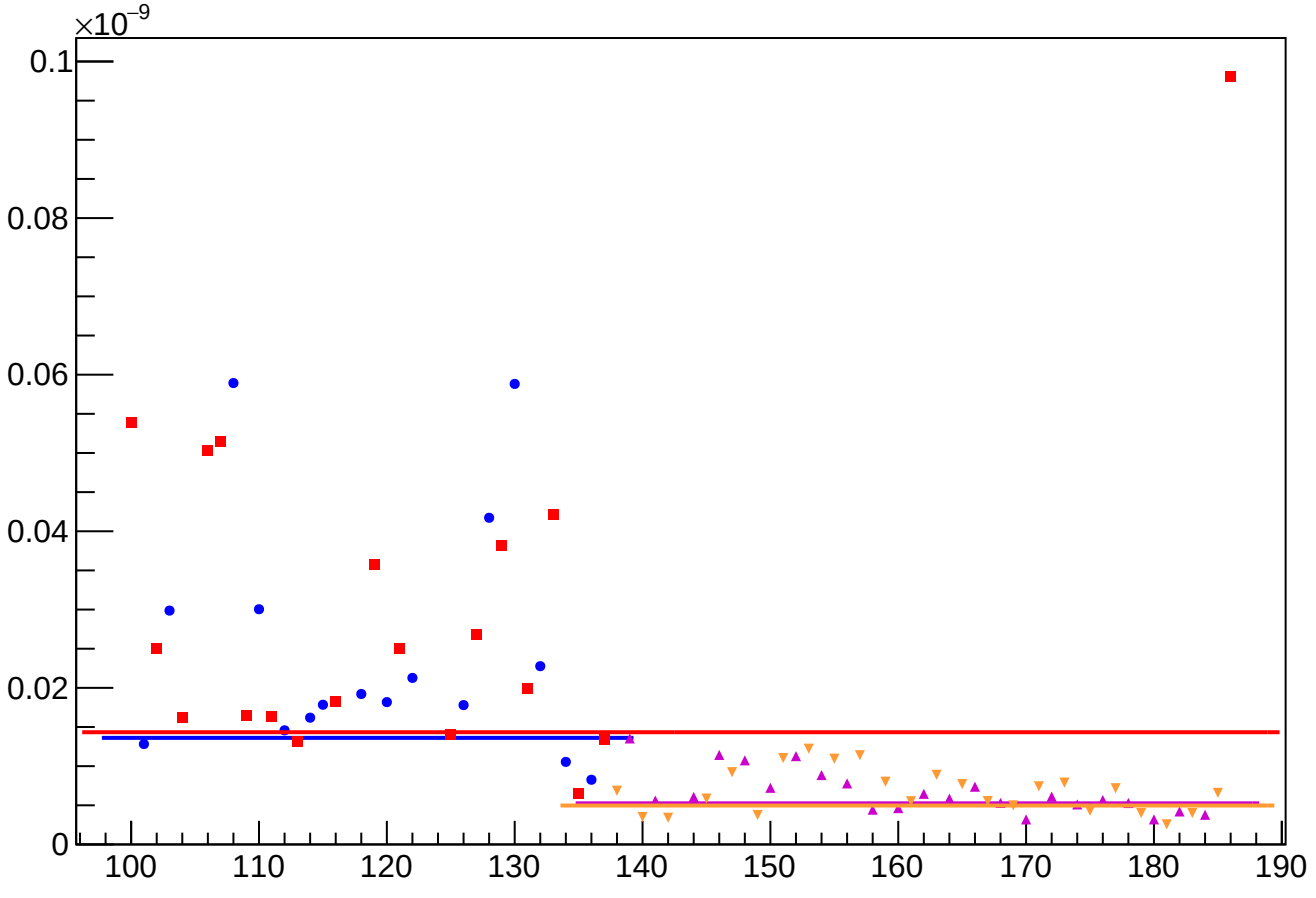
Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

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

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/39

All: -0.000+/-0.000 χ^2/NDF: 64.6/81

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



Right In: 0.000+/-0.000 χ^2/NDF: 2188622.9/15

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

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

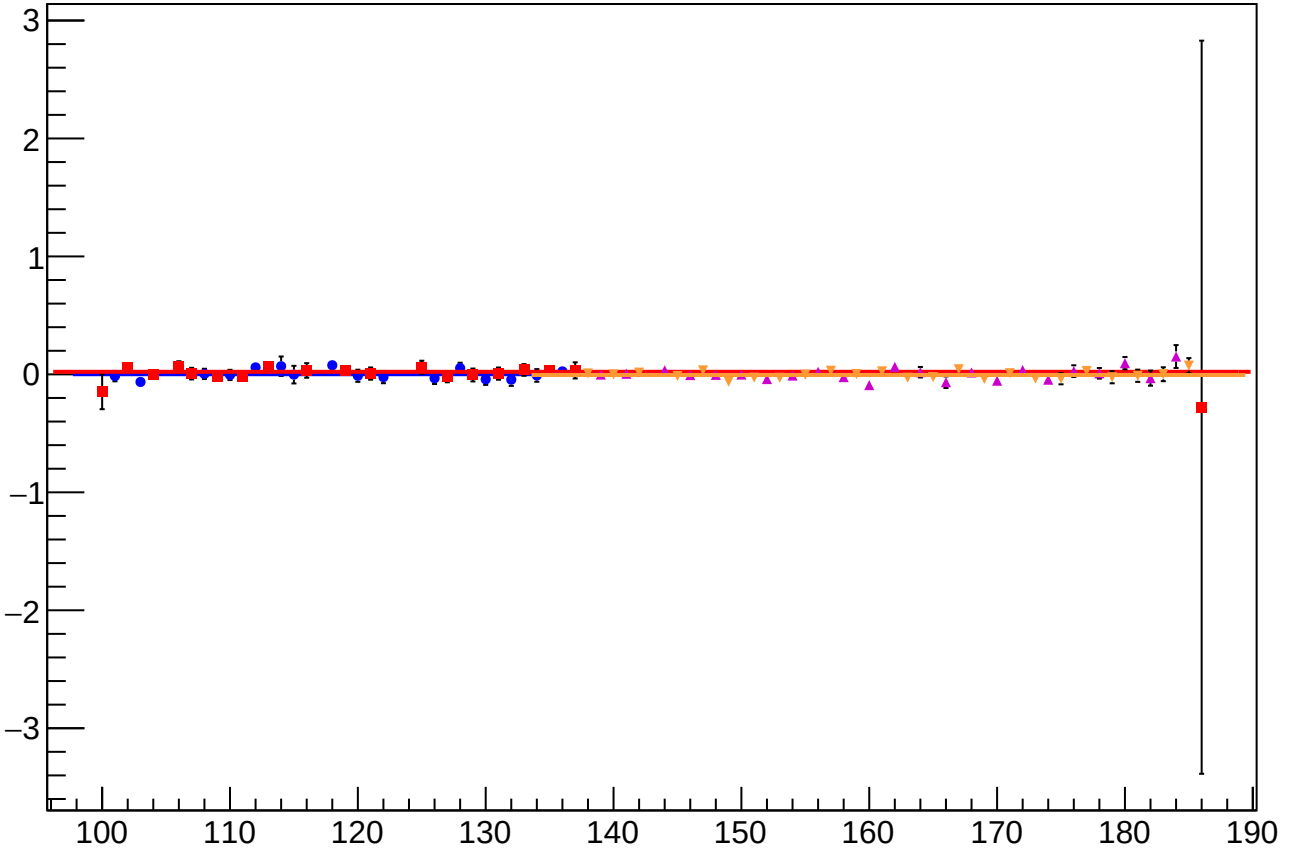
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8335223.8/39

All: 0.000+/-0.000 χ^2/NDF: 16395015.6/81

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

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.011 χ^2/NDF: 15.3/15

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

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

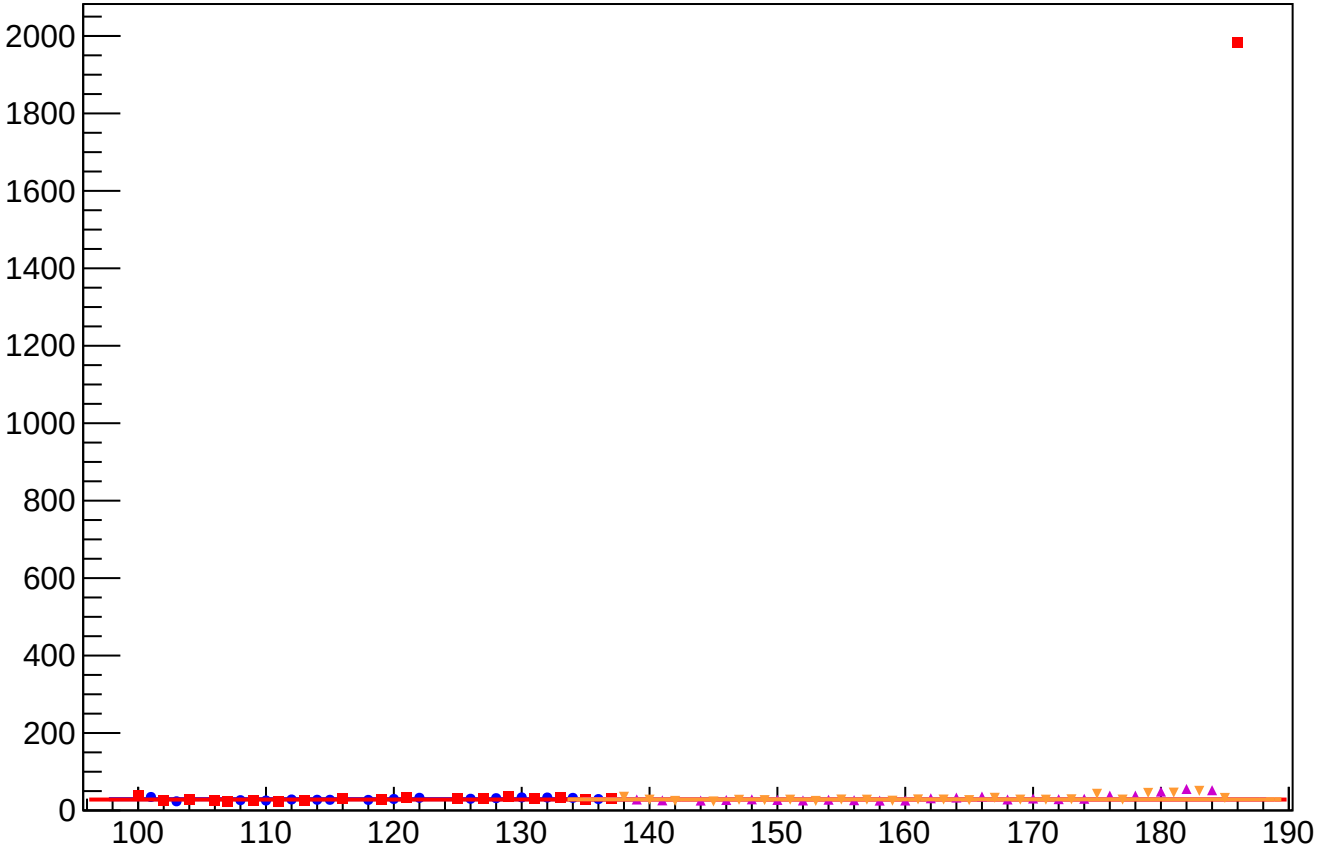
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.003+/-0.006 χ^2/NDF: 32.3/39

All: 0.000+/-0.004 χ^2/NDF: 77.3/81

- sign 0.004+/-0.006 χ^2/NDF: 44.3/41

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 29.146+/-0.008 χ^2/NDF: 176889.4/15

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

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

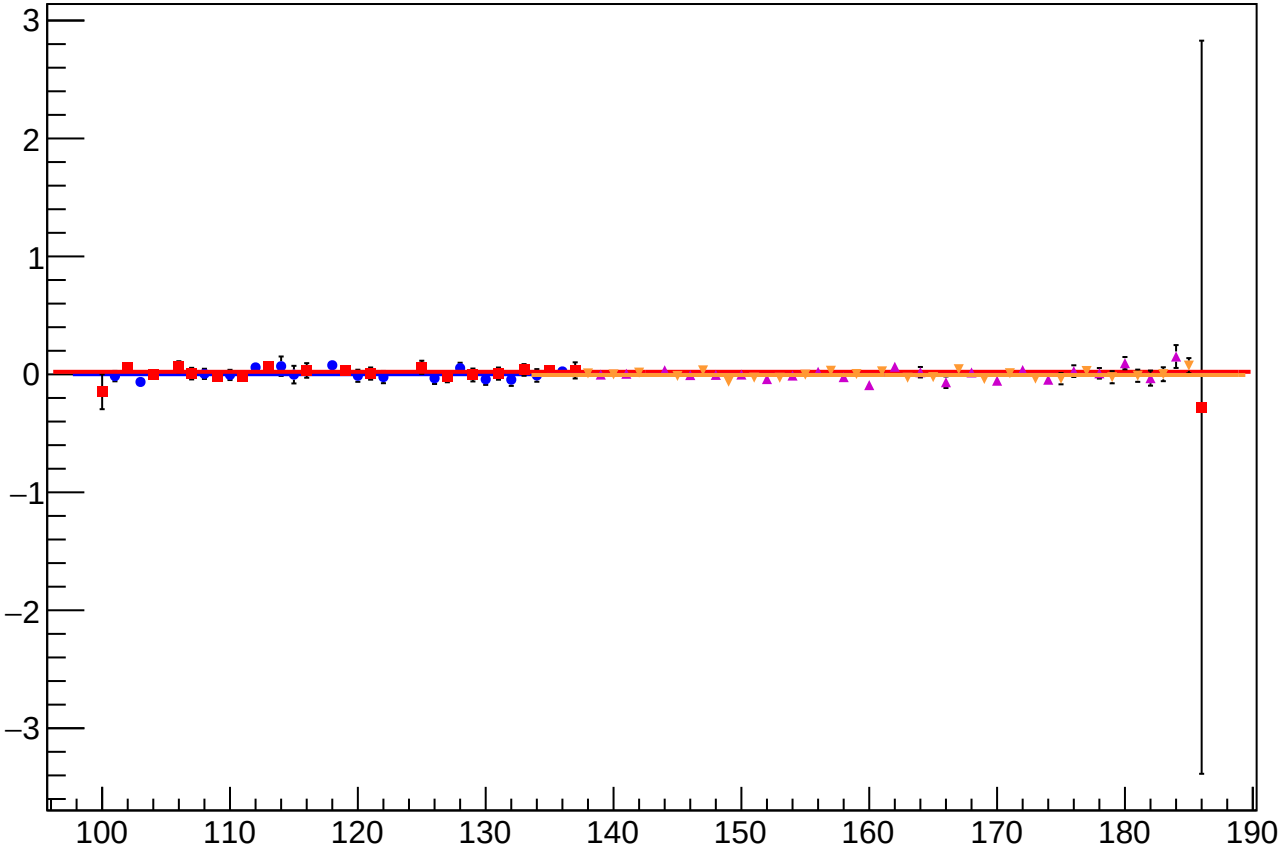
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 28.885+/-0.004 χ^2/NDF: 1349007.3/39

All: 28.902+/-0.003 χ^2/NDF: 3481442.9/81

- 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: 0.001+/-0.011 χ^2/NDF: 15.3/15

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

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

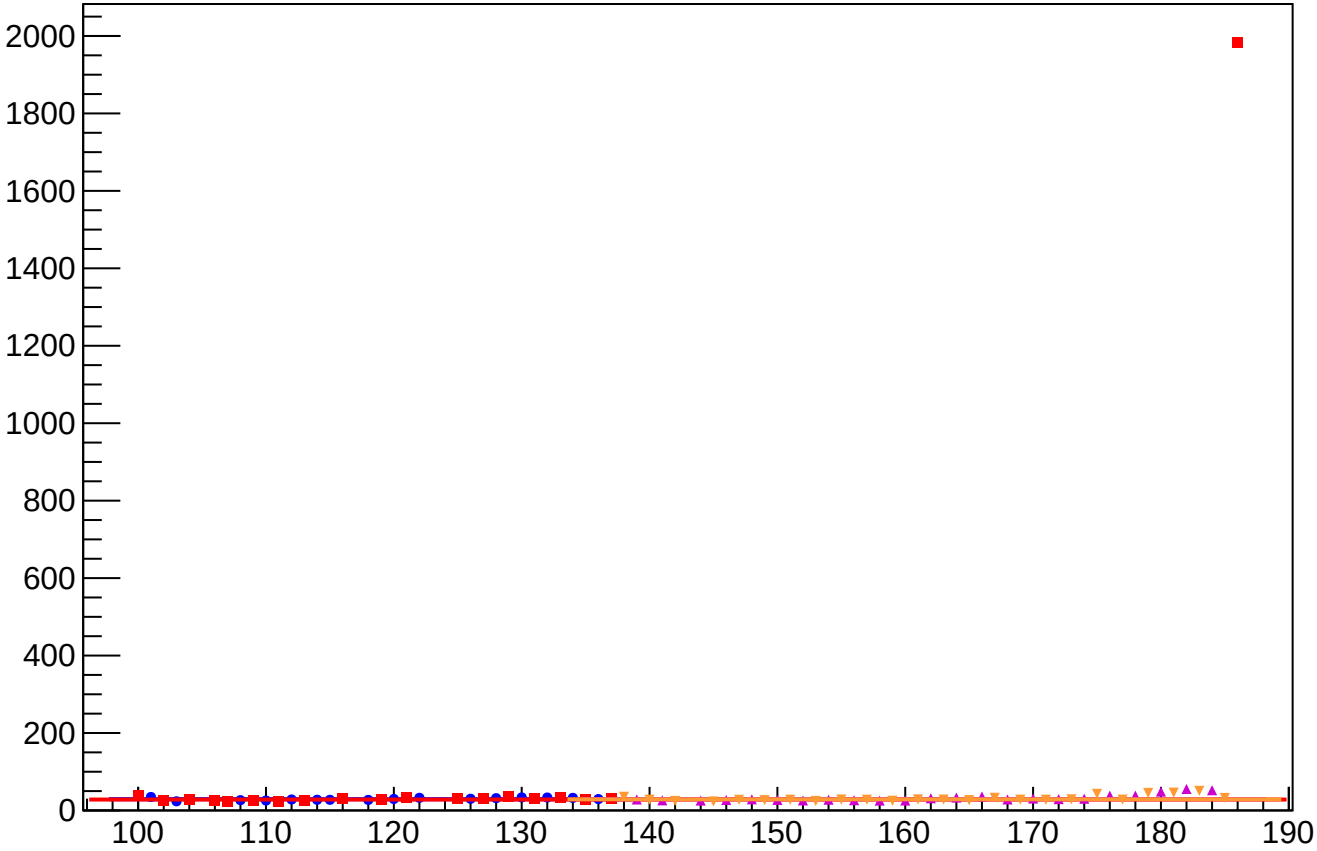
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.003+/-0.006 χ^2/NDF: 32.3/39

All: 0.000+/-0.004 χ^2/NDF: 77.3/81

- 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: 29.146+/-0.008 χ^2/NDF: 176889.4/15

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

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

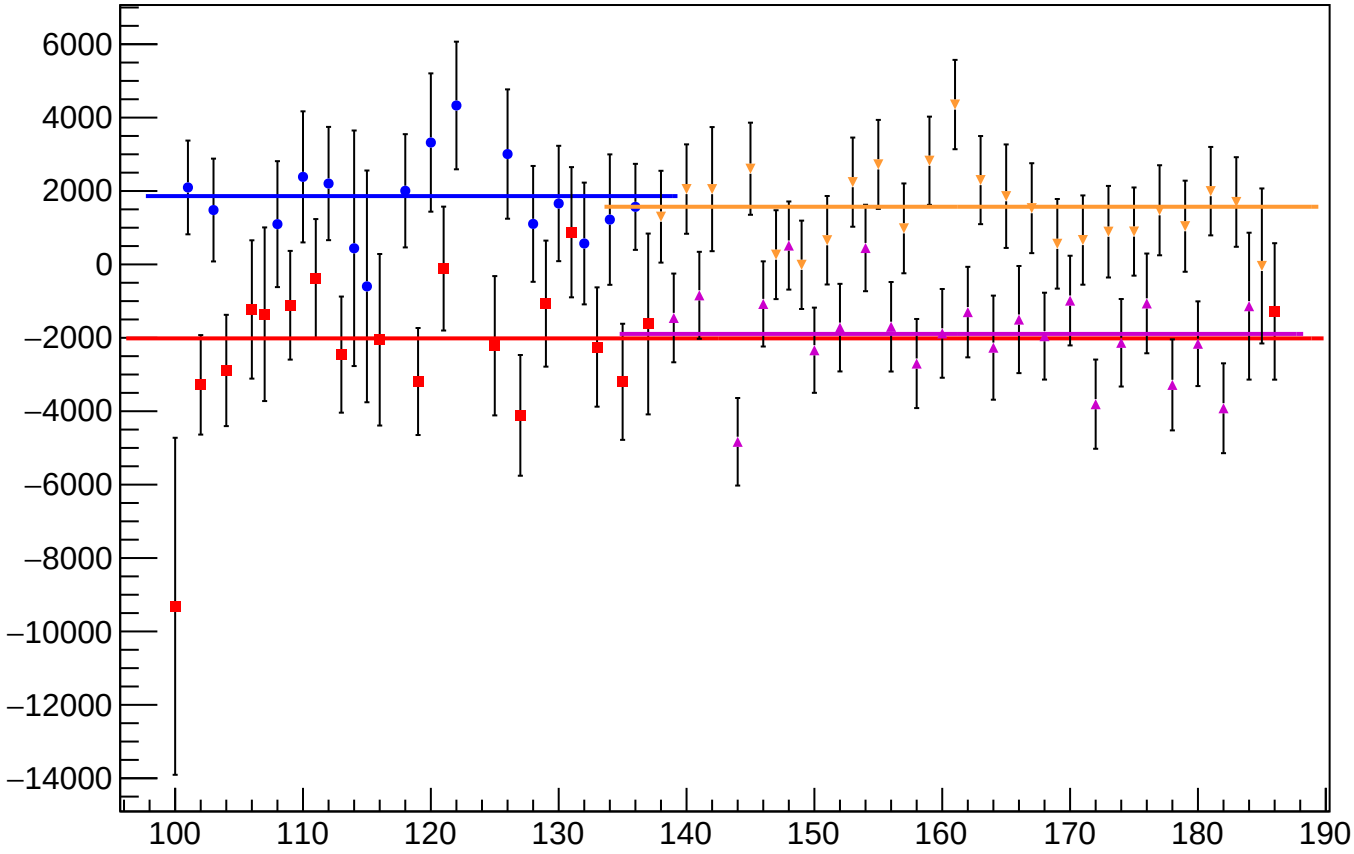
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 28.885+/-0.004 χ^2/NDF: 1349007.3/39

All: 28.902+/-0.003 χ^2/NDF: 3481442.9/81

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

reg_asym_usl_mean vs Slug



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

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

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

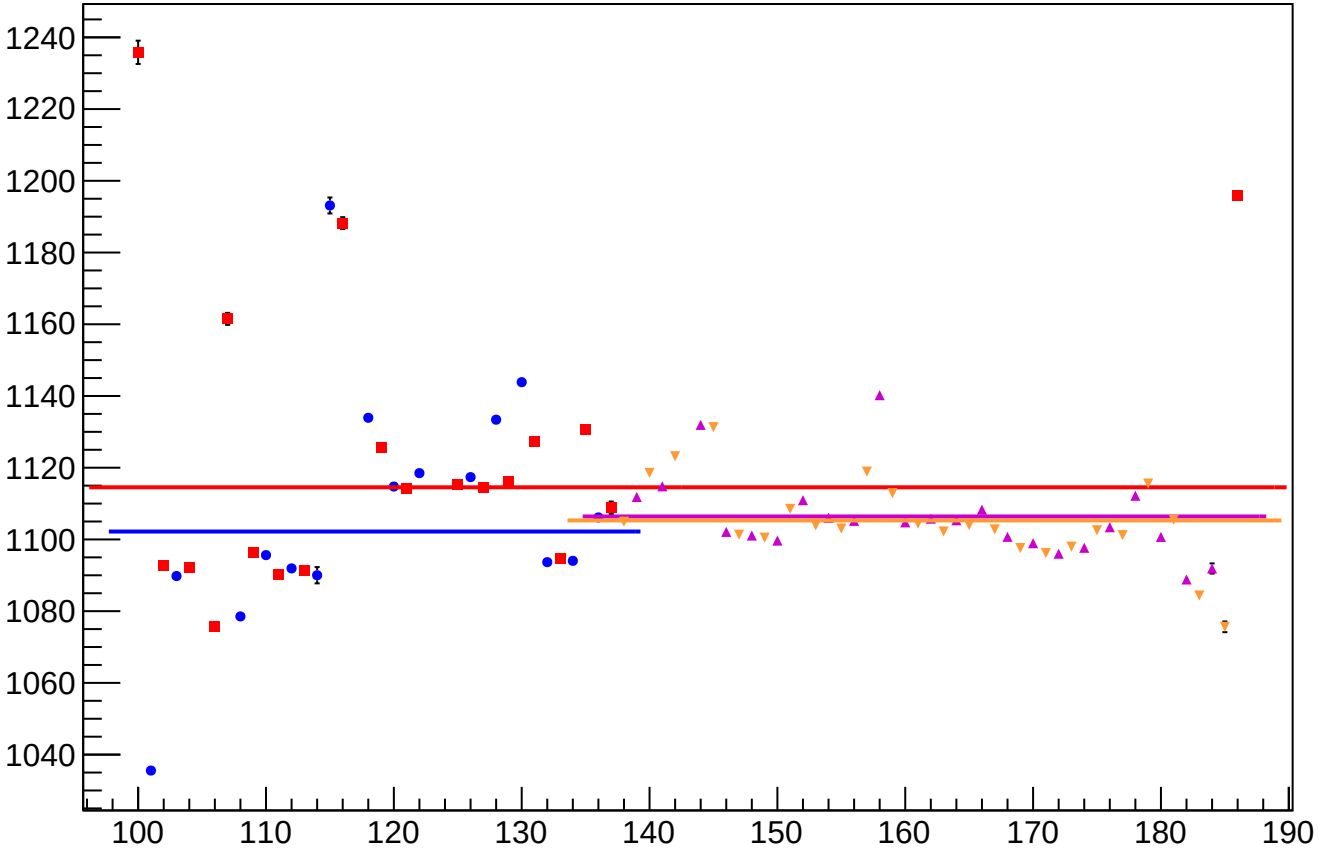
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1652.915+/-217.403 χ^2/NDF: 21.1/39

All: -141.811+/-153.571 χ^2/NDF: 194.0/81

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

reg_asym_usl_rms vs Slug



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

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

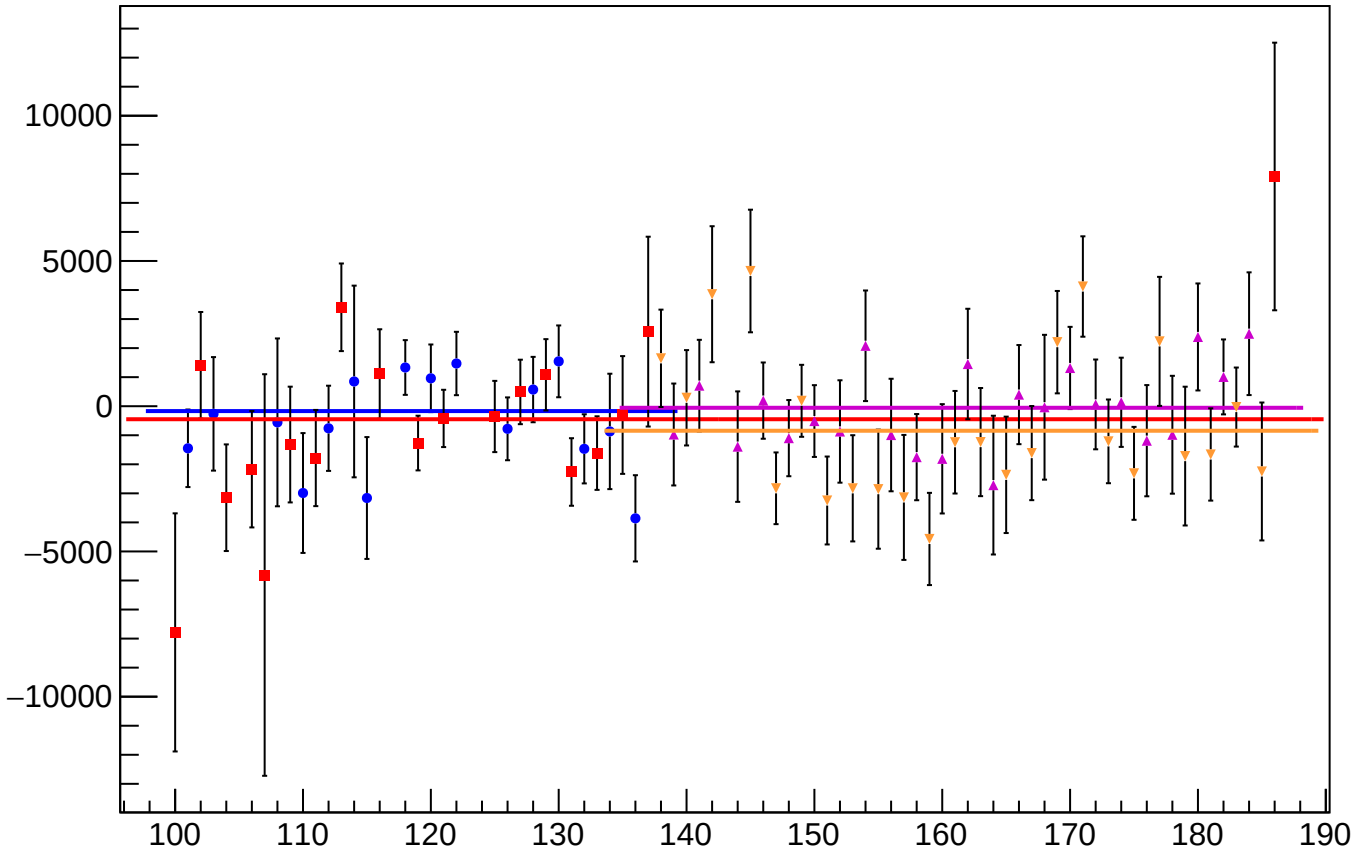
Right Out: 1114.536+/-0.283 χ^2/NDF: 11716.2/18

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

+ sign 1104.424+/-0.154 χ^2/NDF: 14592.4/39

All: 1106.617+/-0.109 χ^2/NDF: 31075.2/81

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



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

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

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

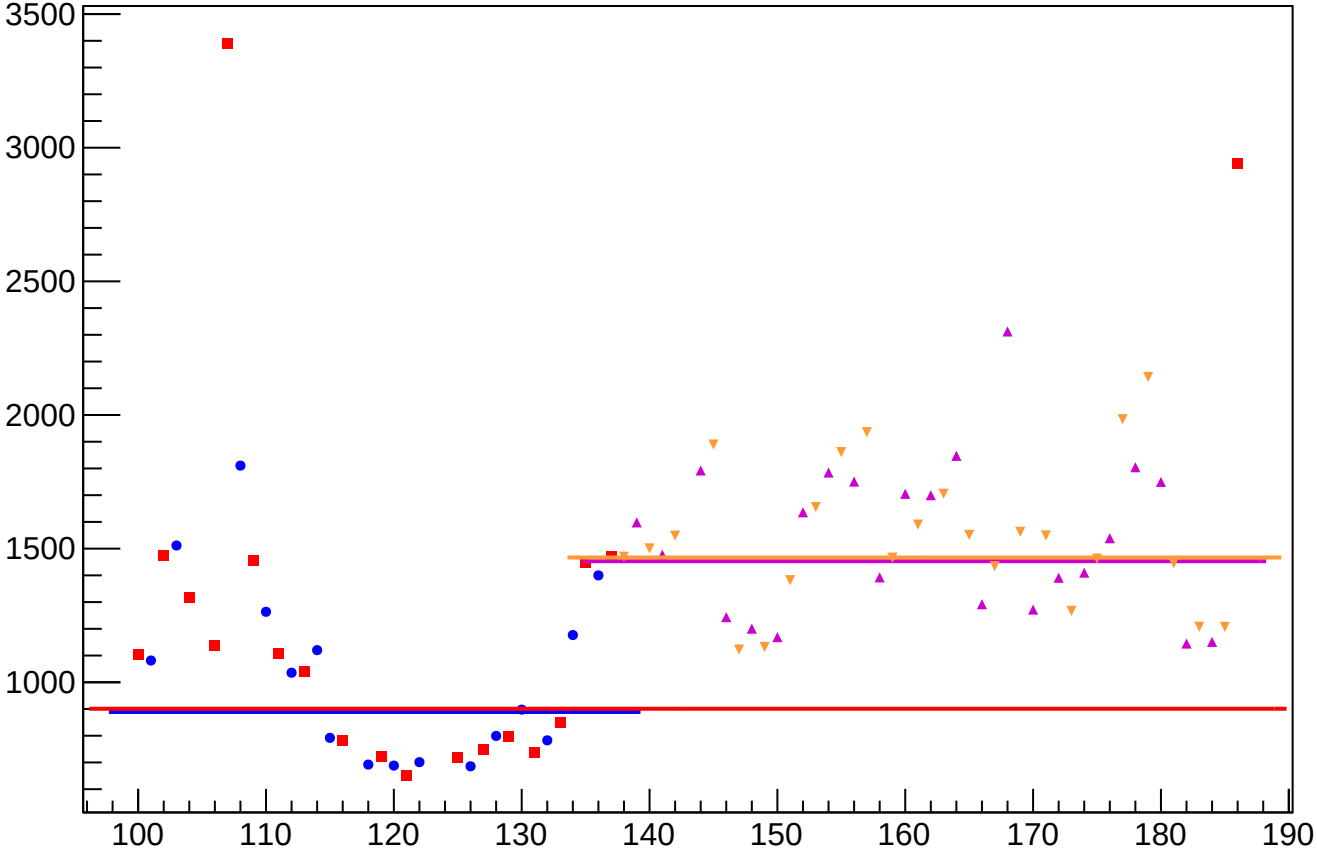
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -504.409+/-244.935 χ^2/NDF: 67.1/39

All: -377.898+/-172.852 χ^2/NDF: 107.9/81

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

asym_usl_reg_correction_rms vs Slug



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

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

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

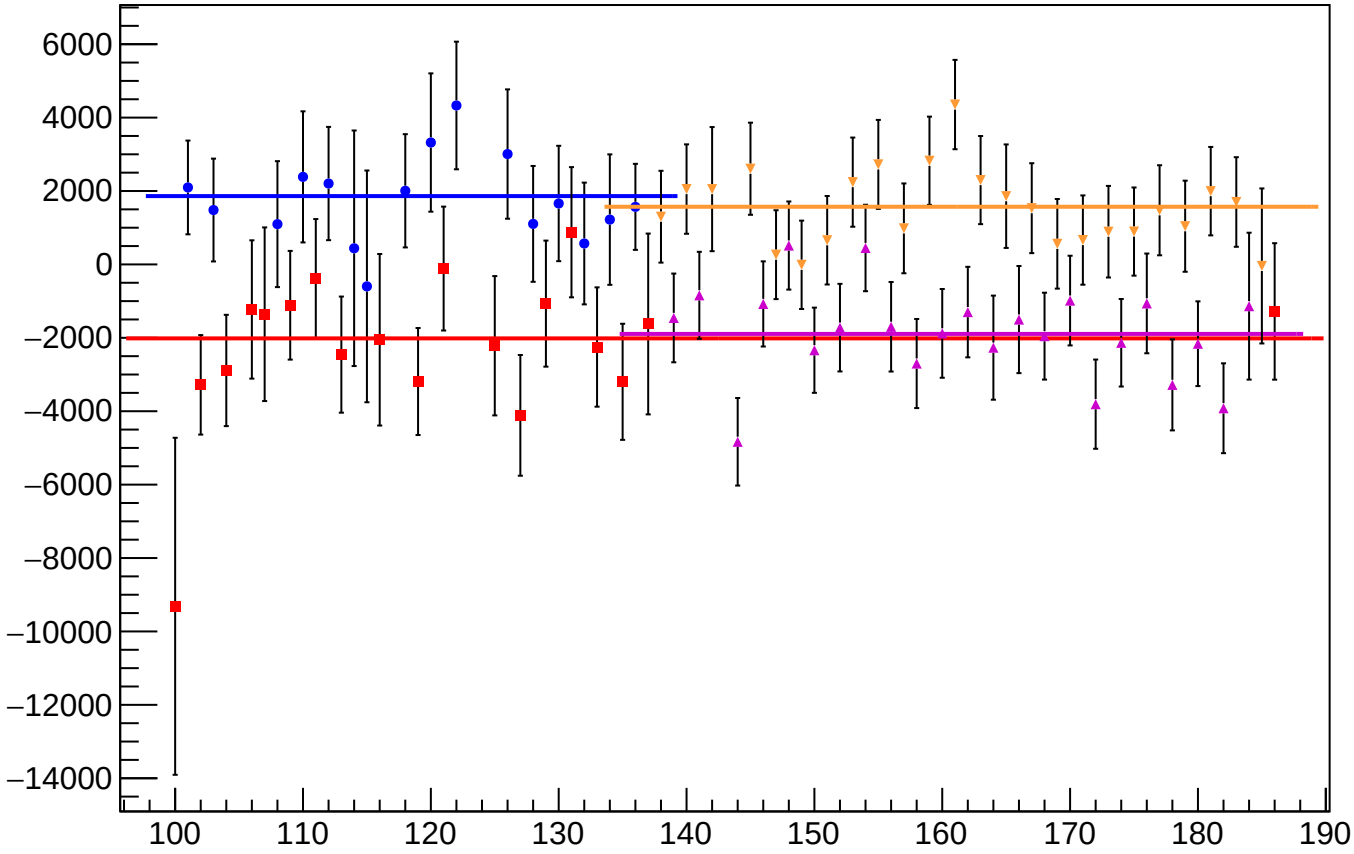
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1176.312+/-0.173 χ^2/NDF: 4959284.7/39

All: 1175.880+/-0.122 χ^2/NDF: 10388645.8/8

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

cor_asym_usl_mean vs Slug



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

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

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

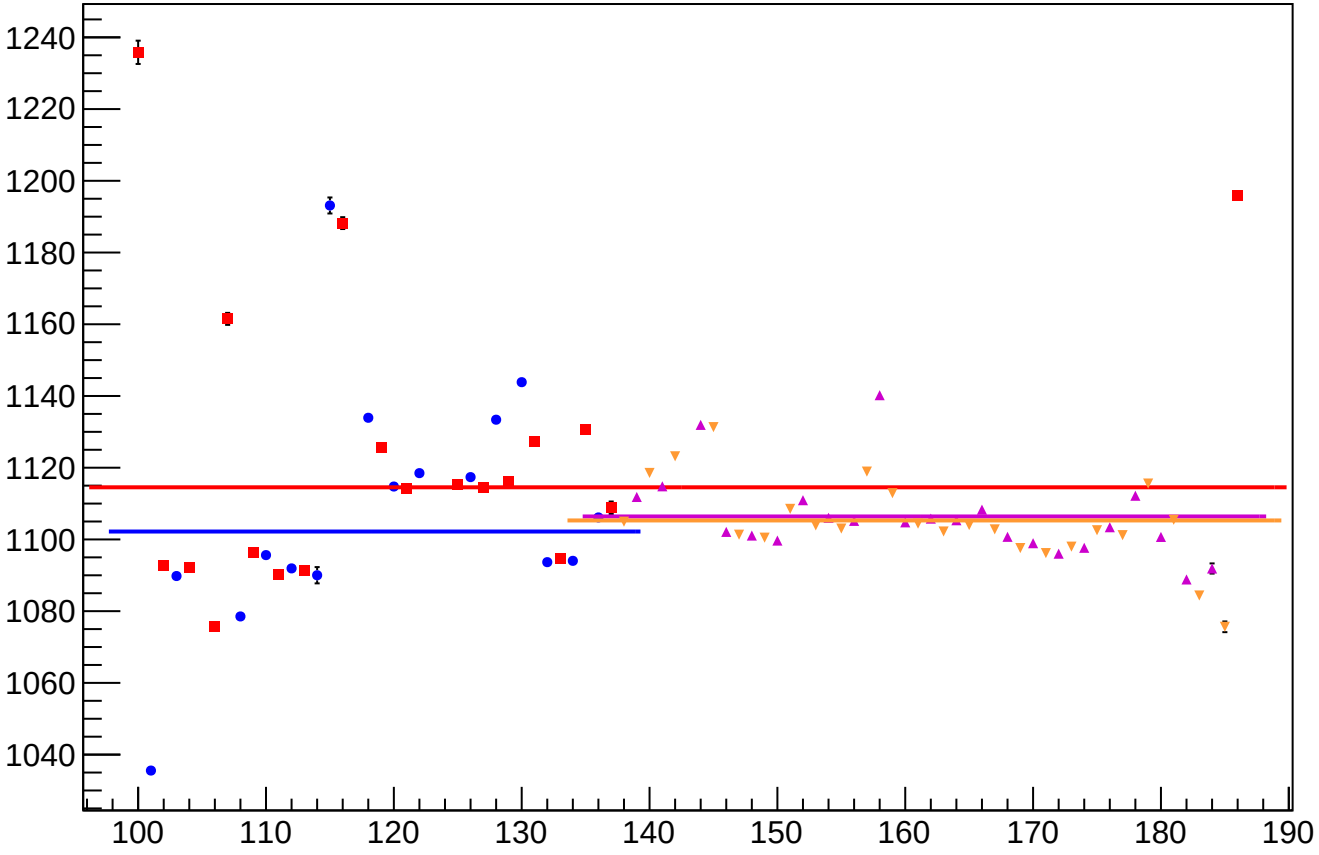
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1652.915+/-217.403 χ^2/NDF: 21.1/39

All: -141.811+/-153.571 χ^2/NDF: 194.0/81

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

cor_asym_usl_rms vs Slug



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

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

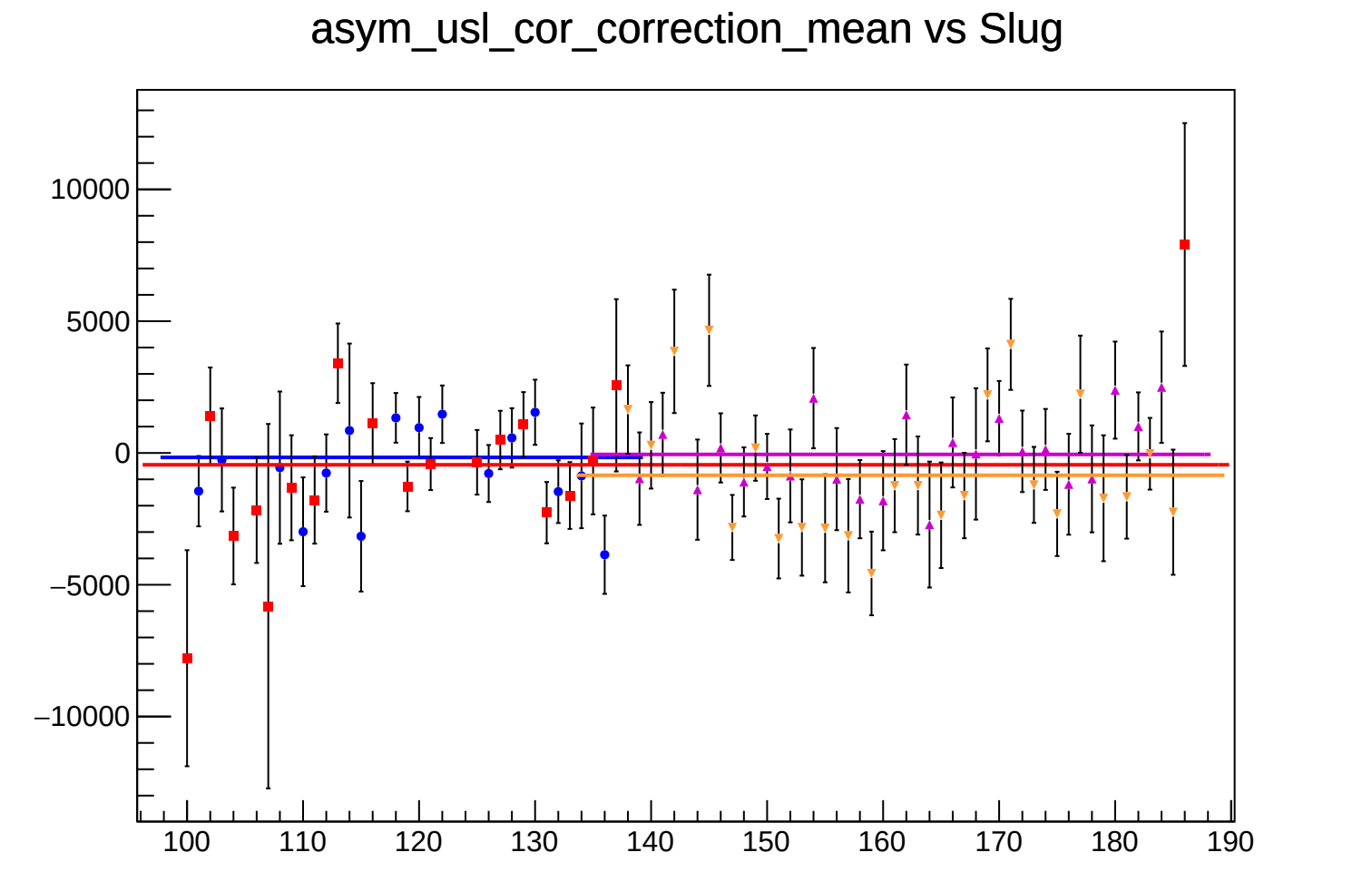
Right Out: 1114.536+/-0.283 χ^2/NDF: 11716.2/18

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

+ sign 1104.424+/-0.154 χ^2/NDF: 14592.4/39

All: 1106.617+/-0.109 χ^2/NDF: 31075.2/81

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



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

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

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

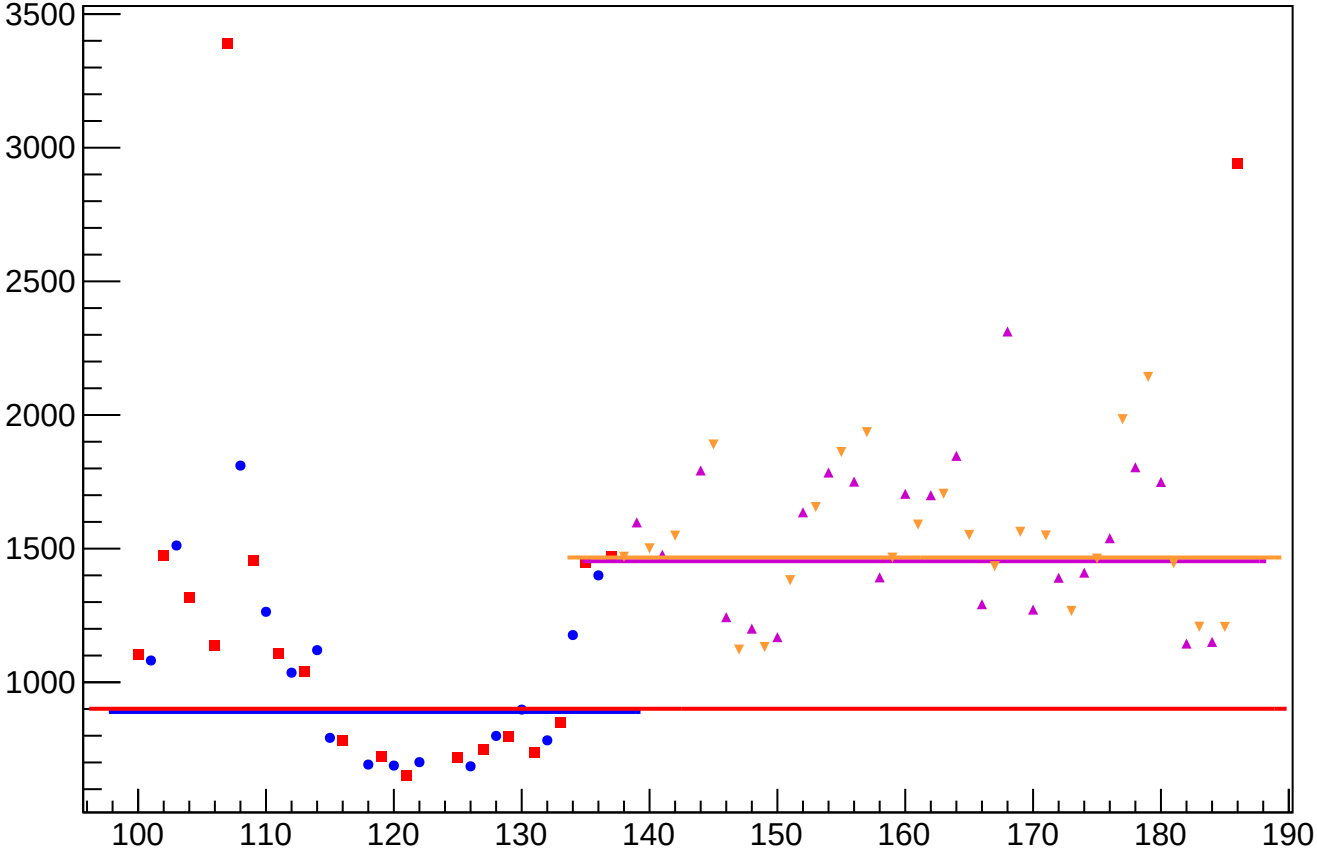
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -504.409+/-244.935 χ^2/NDF: 67.1/39

All: -377.898+/-172.852 χ^2/NDF: 107.9/81

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

asym_usl_cor_correction_rms vs Slug



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

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

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

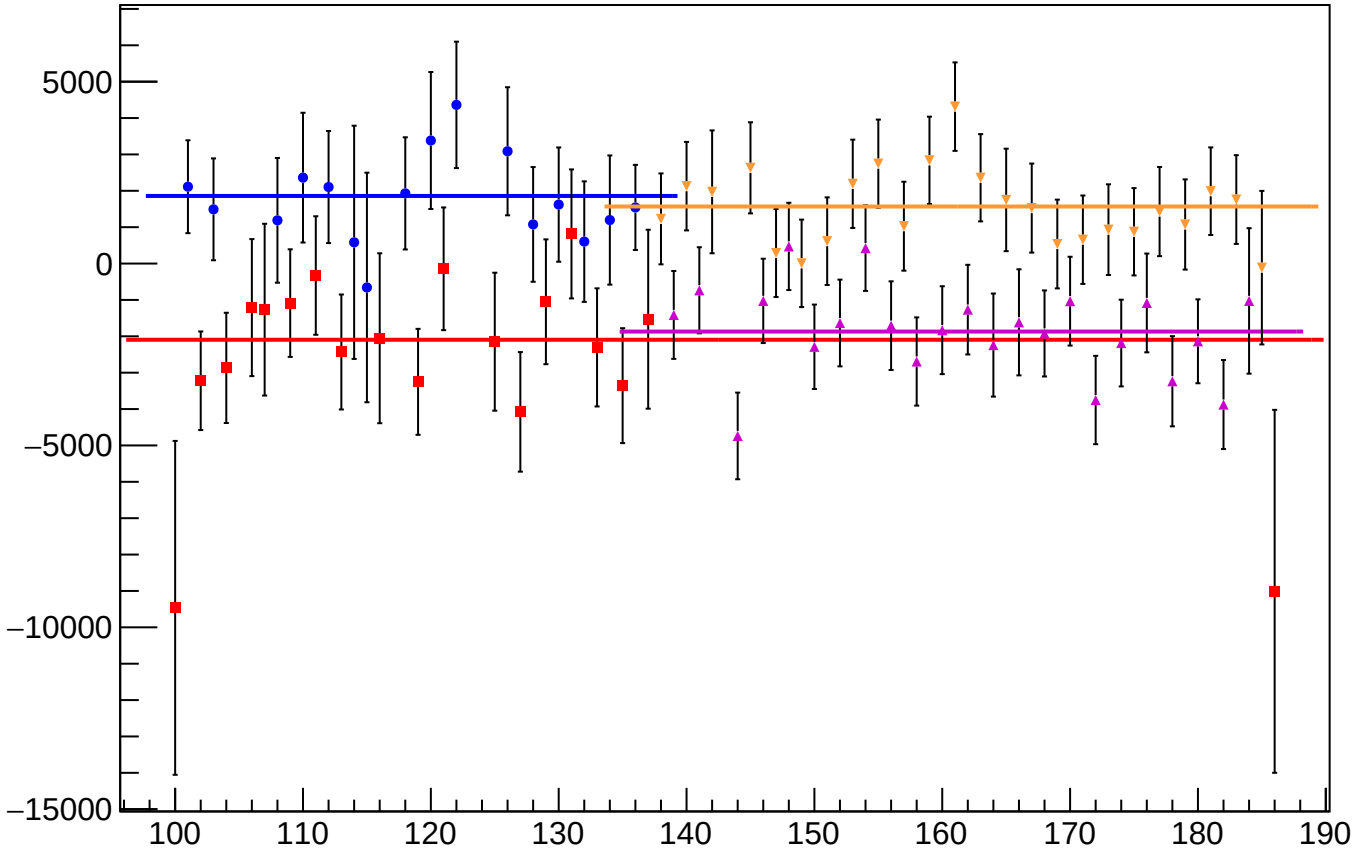
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1176.312+/-0.173 χ^2/NDF: 4959284.7/39

All: 1175.880+/-0.122 χ^2/NDF: 10388645.8/8

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

overload_cor_asym_usl_mean vs Slug



Right In: 1858.683+/-409.170 χ^2/NDF: 5.4/15

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

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

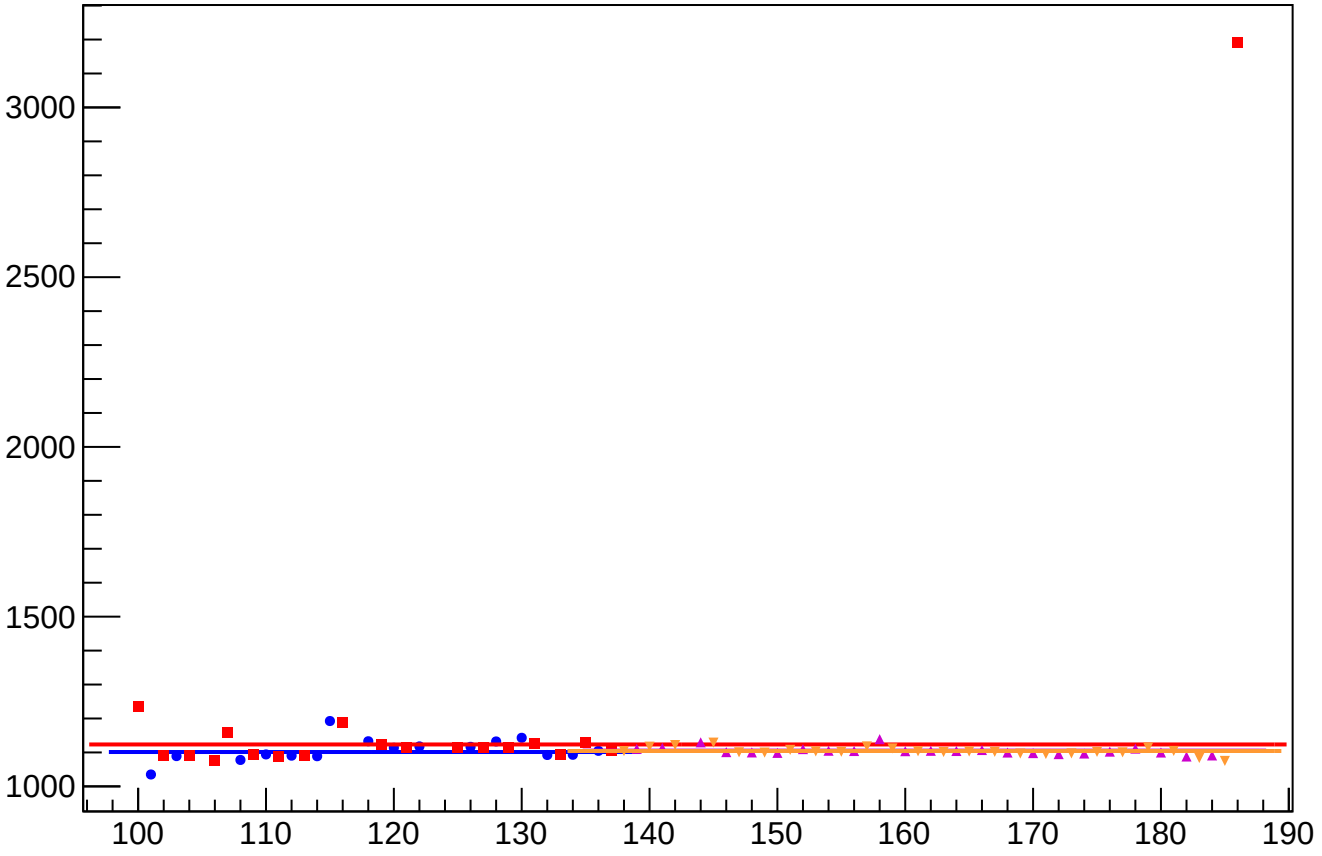
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1650.475+/-217.203 χ^2/NDF: 21.2/39

All: -134.795+/-153.883 χ^2/NDF: 195.1/81

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

overload_cor_asym_usl_rms vs Slug



Right In: 1101.254+/-0.289 χ^2/NDF: 11308.3/15

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

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

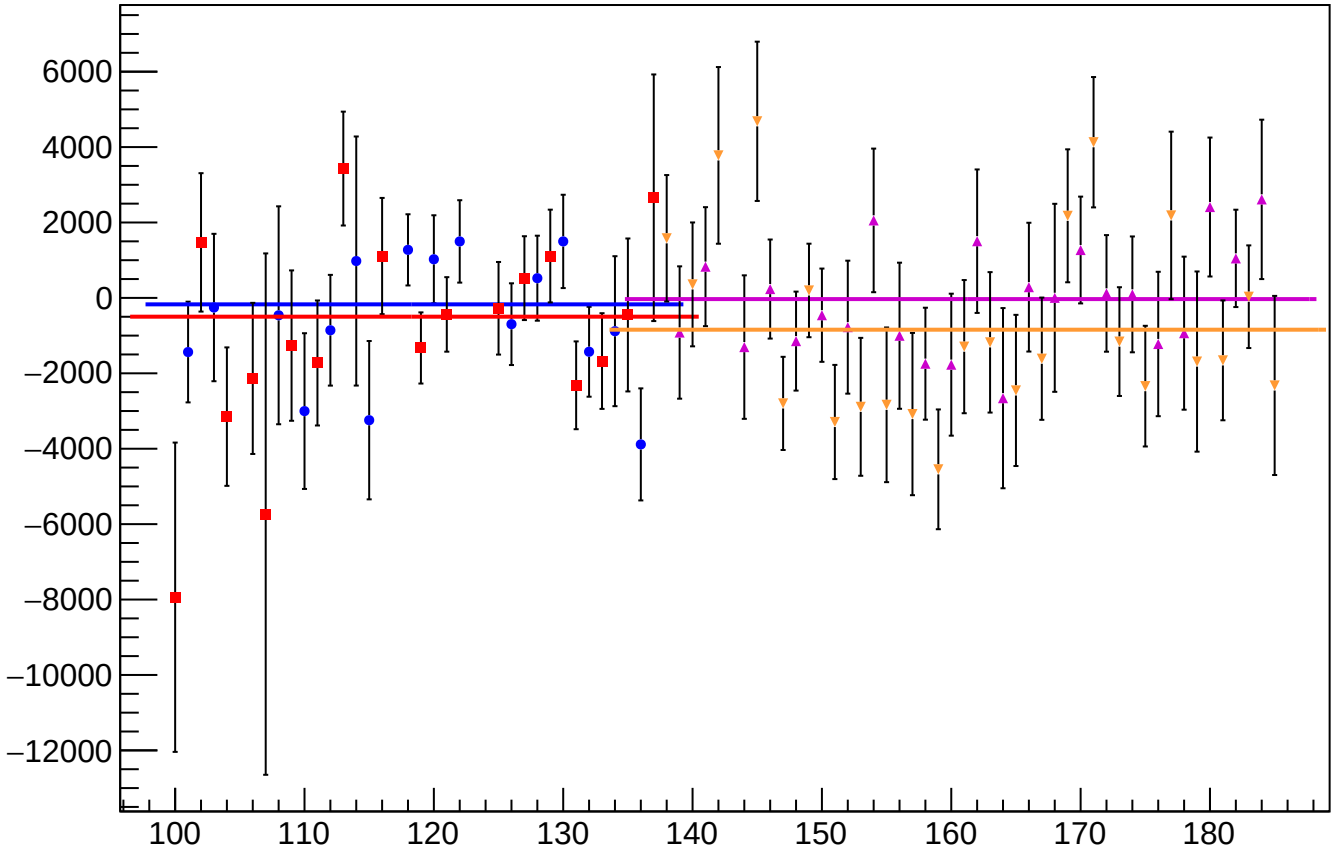
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1103.412+/-0.154 χ^2/NDF: 14384.9/39

All: 1106.978+/-0.109 χ^2/NDF: 375190.7/81

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

asym_usl_overload_cor_correction_mean vs Slug



Right In: -170.930+/-345.980 χ^2/NDF: 20.9/15

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

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

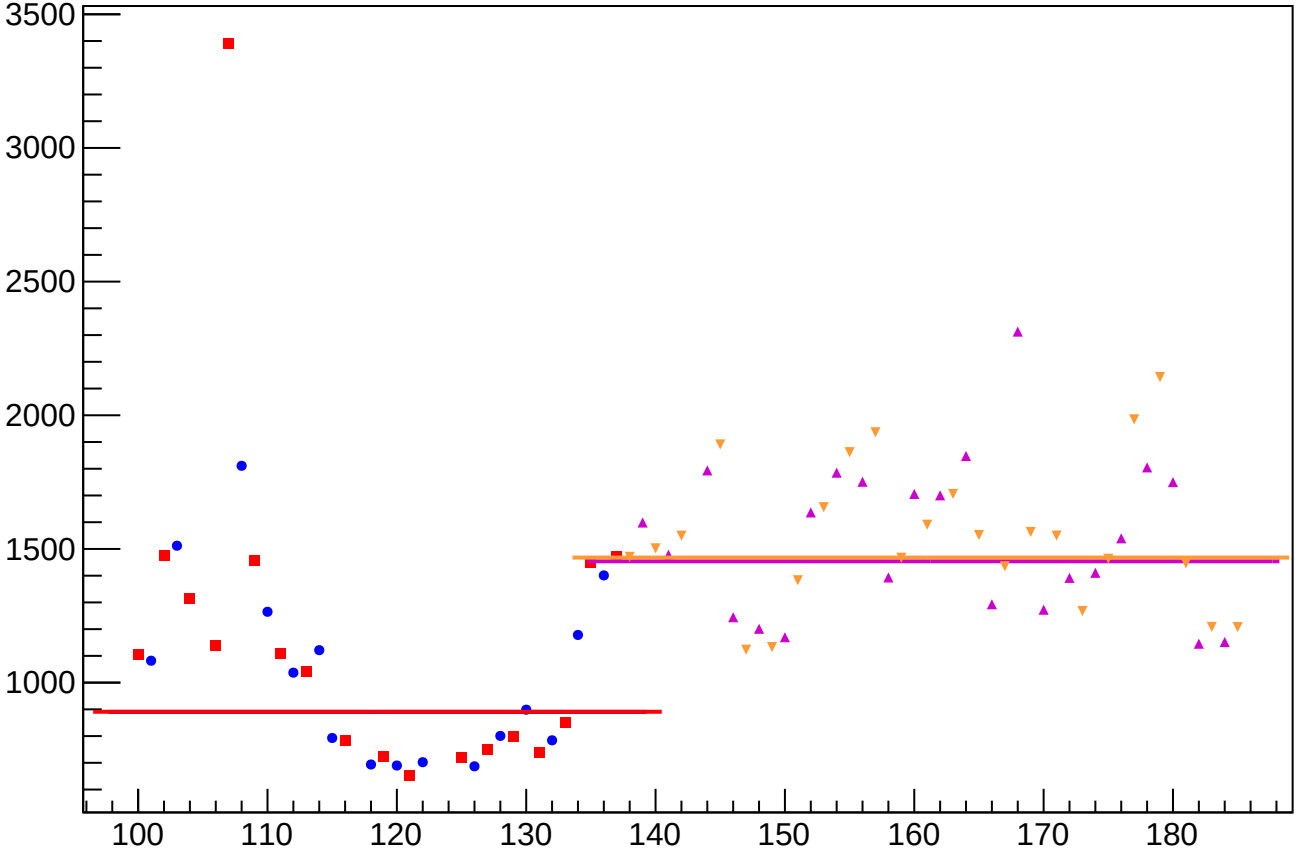
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -505.595+/-245.194 χ^2/NDF: 66.8/39

All: -385.021+/-173.154 χ^2/NDF: 105.2/80

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

asym_usl_overload_cor_correction_rms vs Slug



Right In: 890.495+/-0.245 χ^2/NDF: 1128739.3/15

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

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

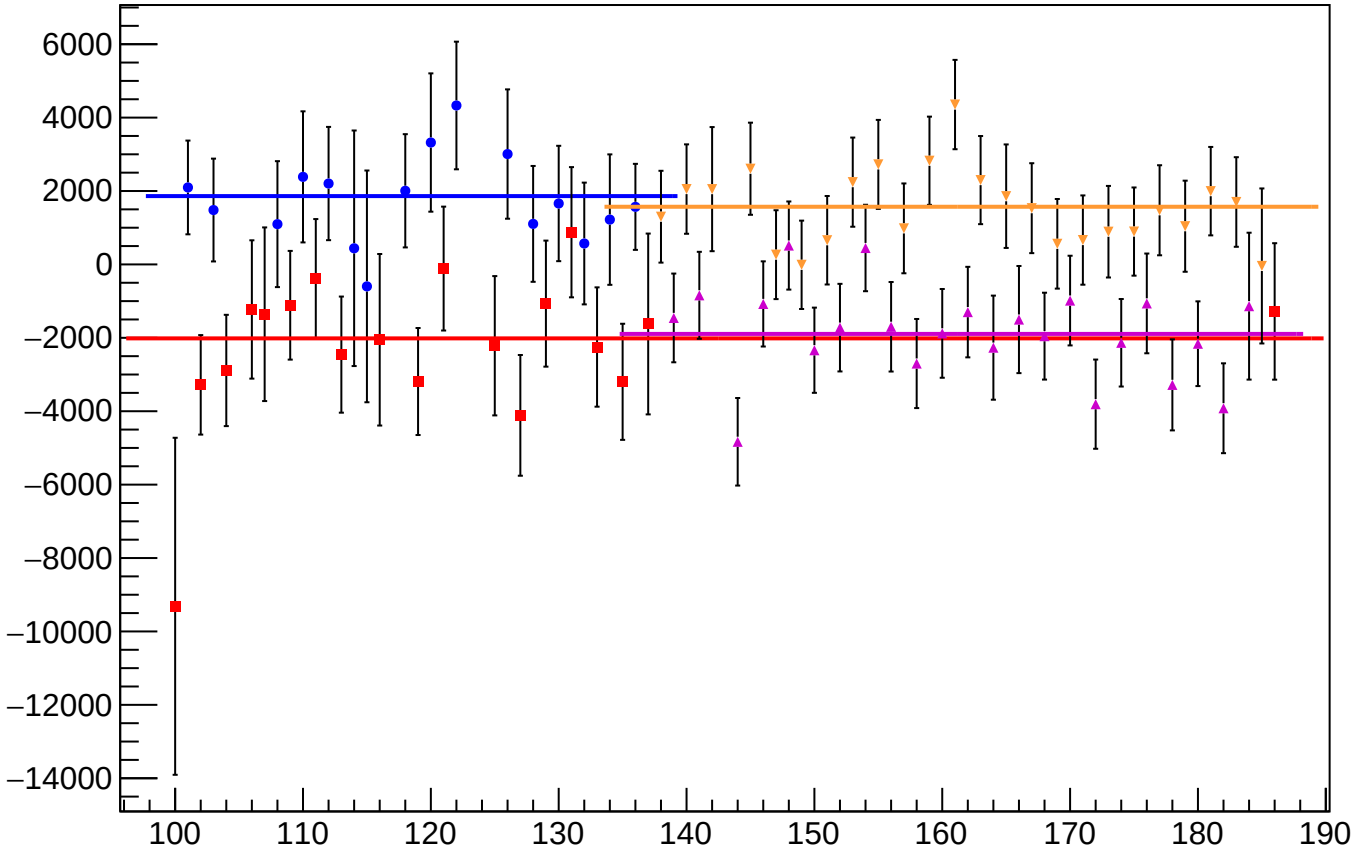
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1177.799+/-0.173 χ^2/NDF: 4941371.2/39

All: 1174.845+/-0.122 χ^2/NDF: 10060582.3/8

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

eigen_cor_asym_usl_mean vs Slug



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

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

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

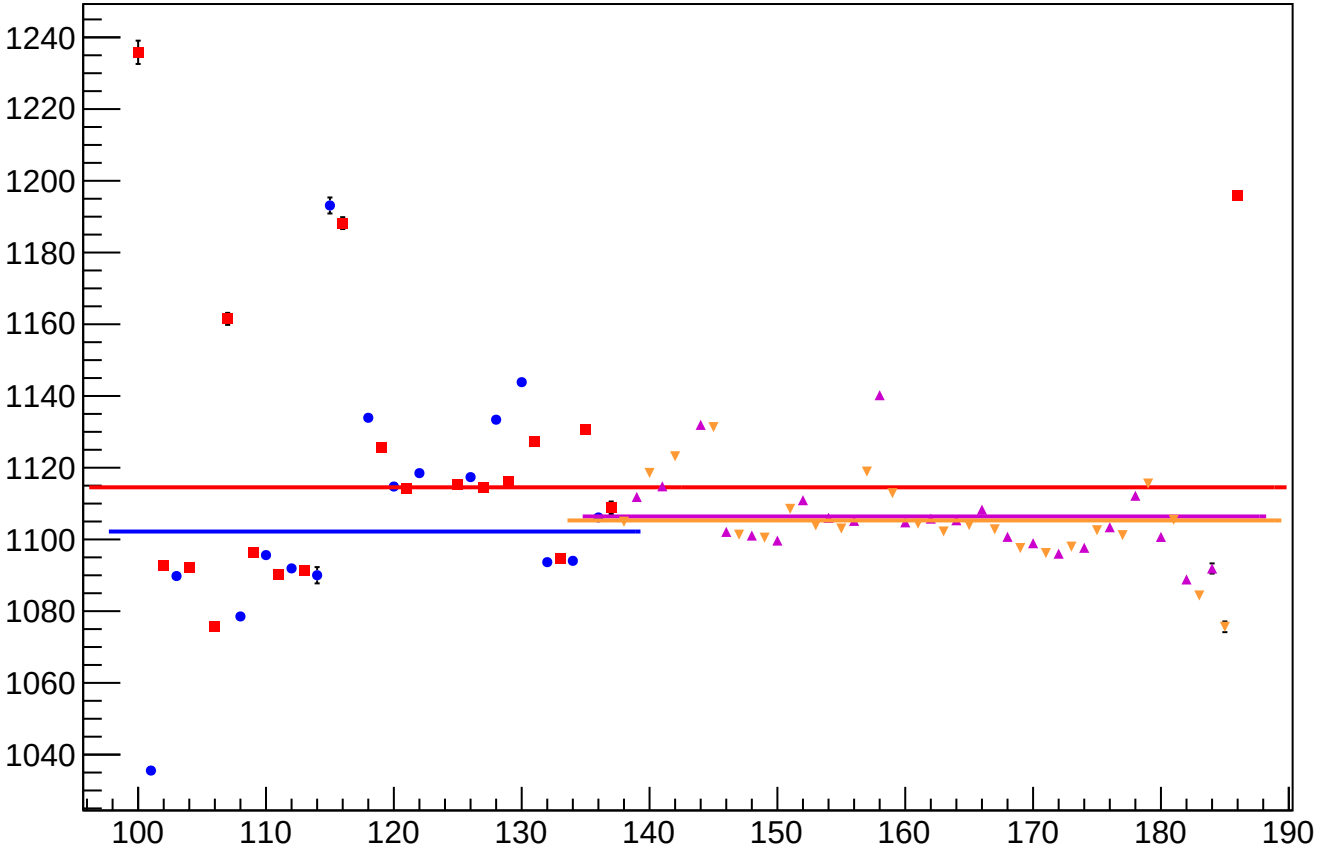
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1652.915+/-217.403 χ^2/NDF: 21.1/39

All: -141.811+/-153.571 χ^2/NDF: 194.0/81

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

eigen_cor_asym_usl_rms vs Slug



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

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

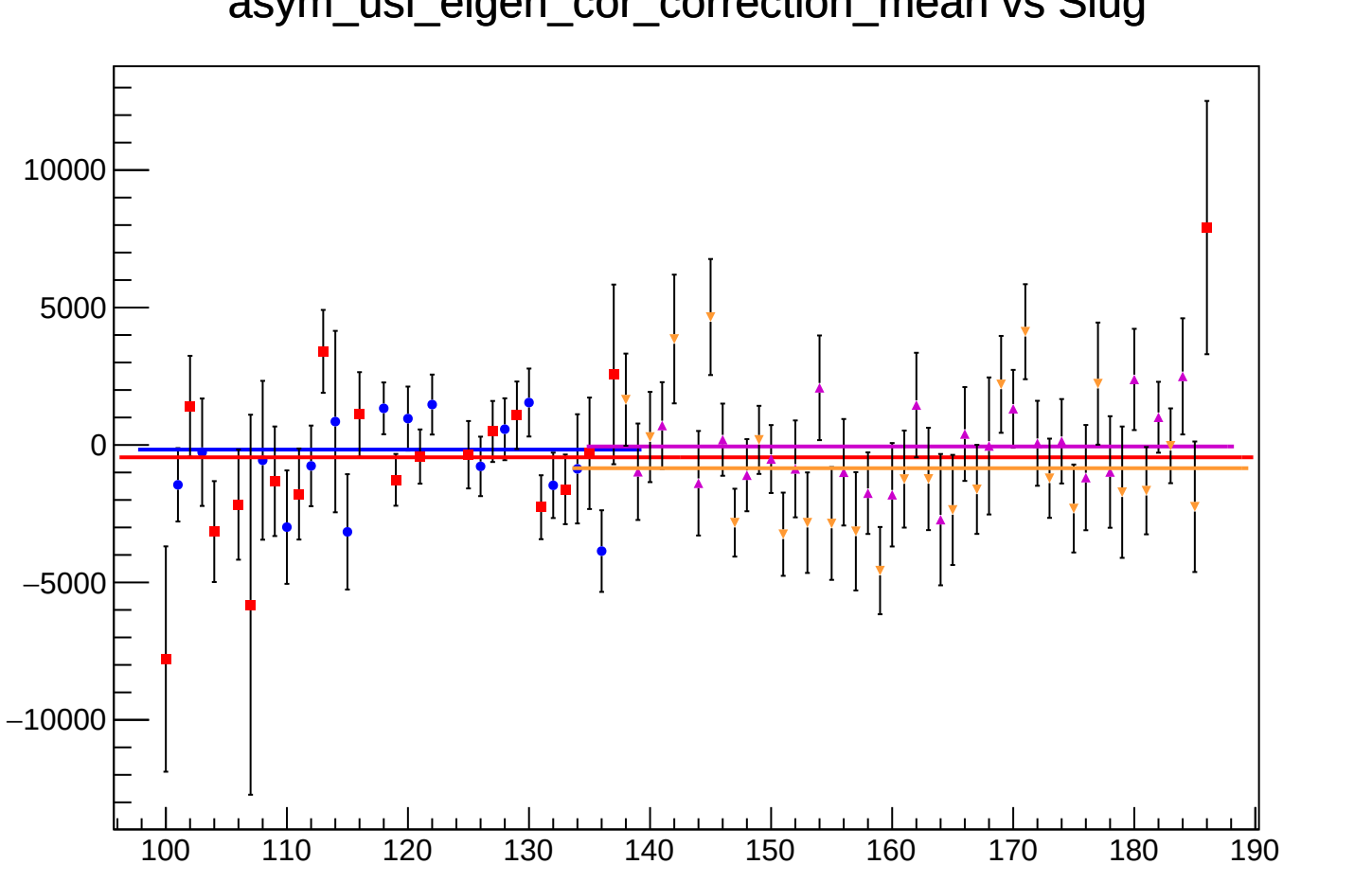
Right Out: 1114.536+/-0.283 χ^2/NDF: 11716.2/18

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

+ sign 1104.424+/-0.154 χ^2/NDF: 14592.4/39

All: 1106.617+/-0.109 χ^2/NDF: 31075.2/81

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



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

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

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

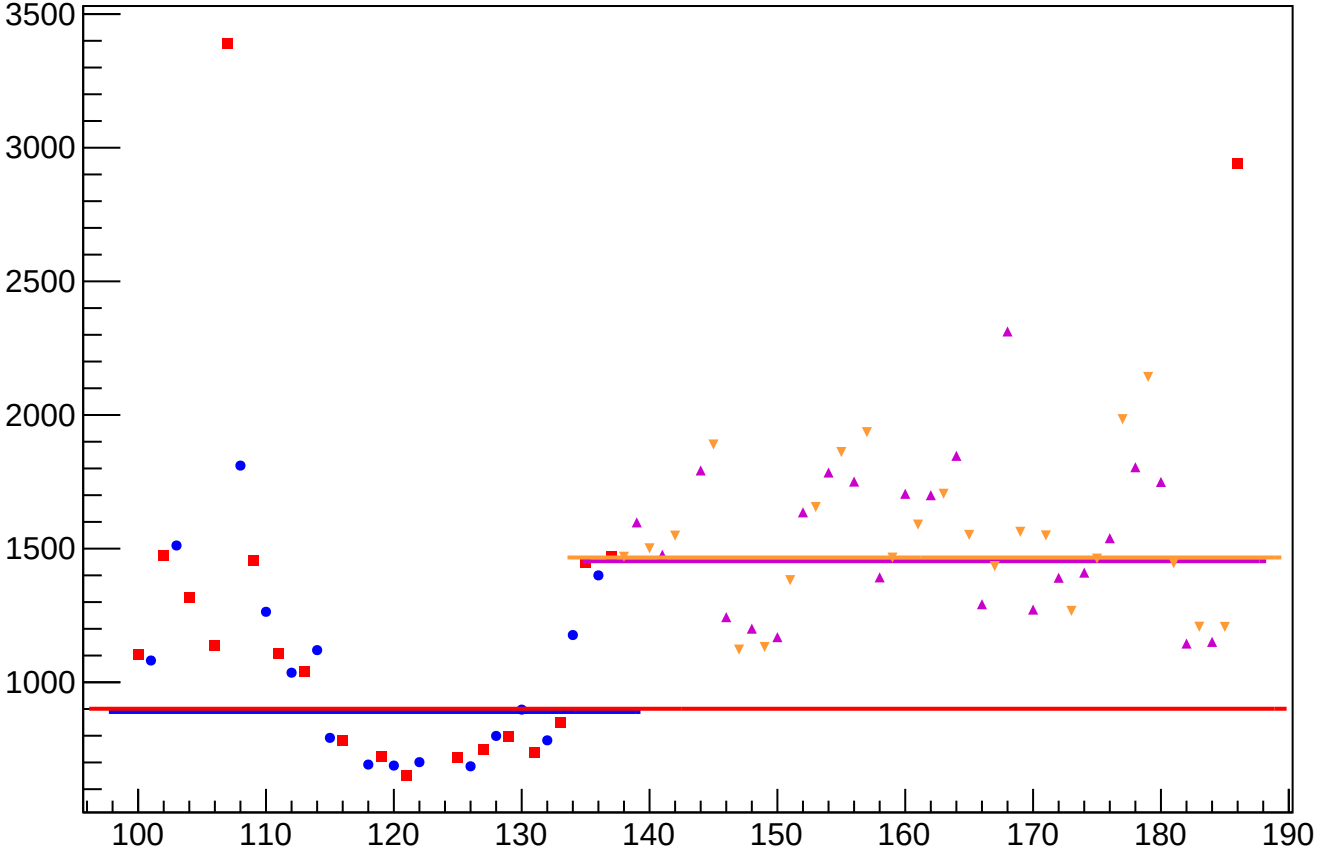
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -504.409+/-244.935 χ^2/NDF: 67.1/39

All: -377.898+/-172.852 χ^2/NDF: 107.9/81

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

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

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

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

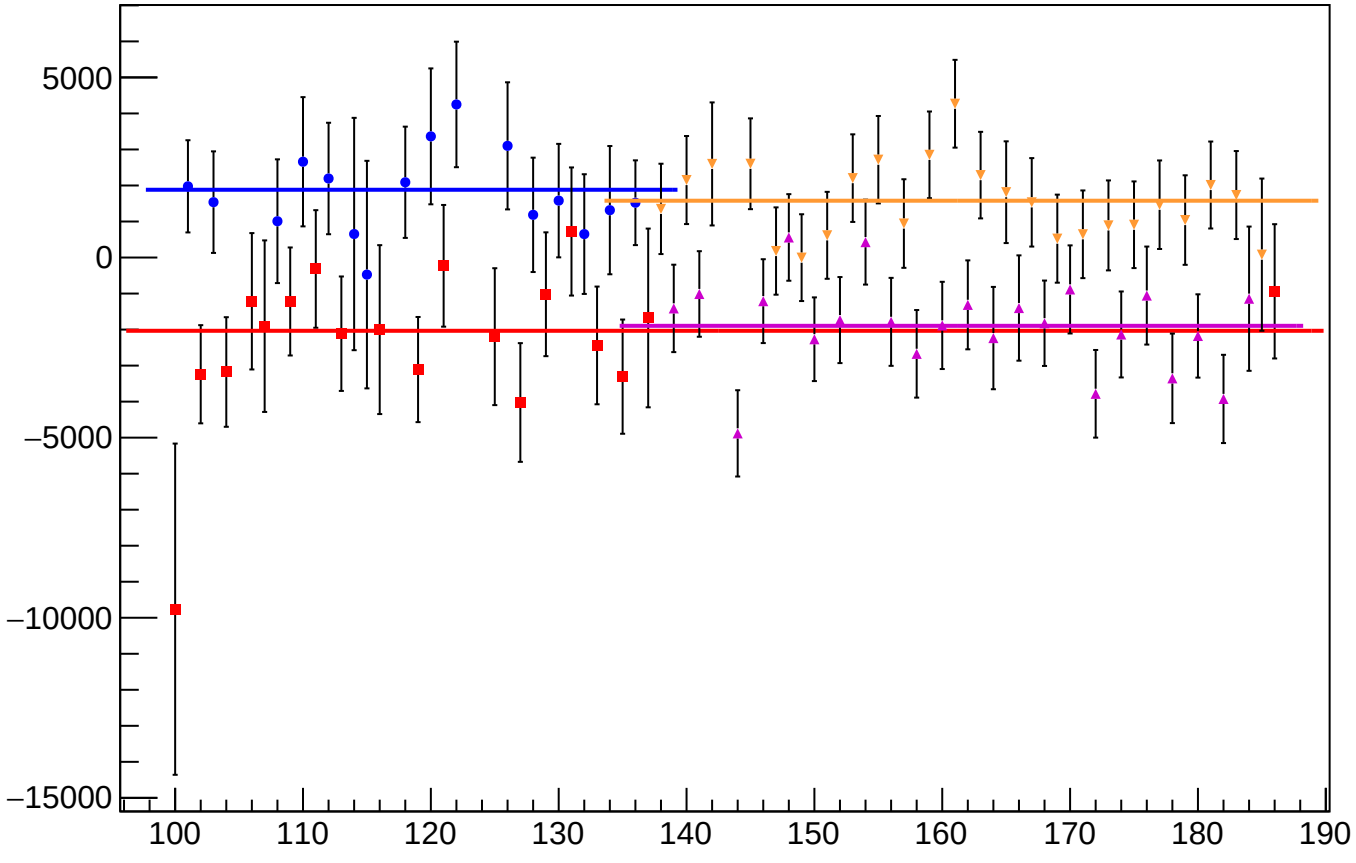
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1176.312+/-0.173 χ^2/NDF: 4959284.7/39

All: 1175.880+/-0.122 χ^2/NDF: 10388645.8/8

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

dit_asym_usl_mean vs Slug



Right In: 1881.524+/-410.700 χ^2/NDF: 5.2/15

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

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

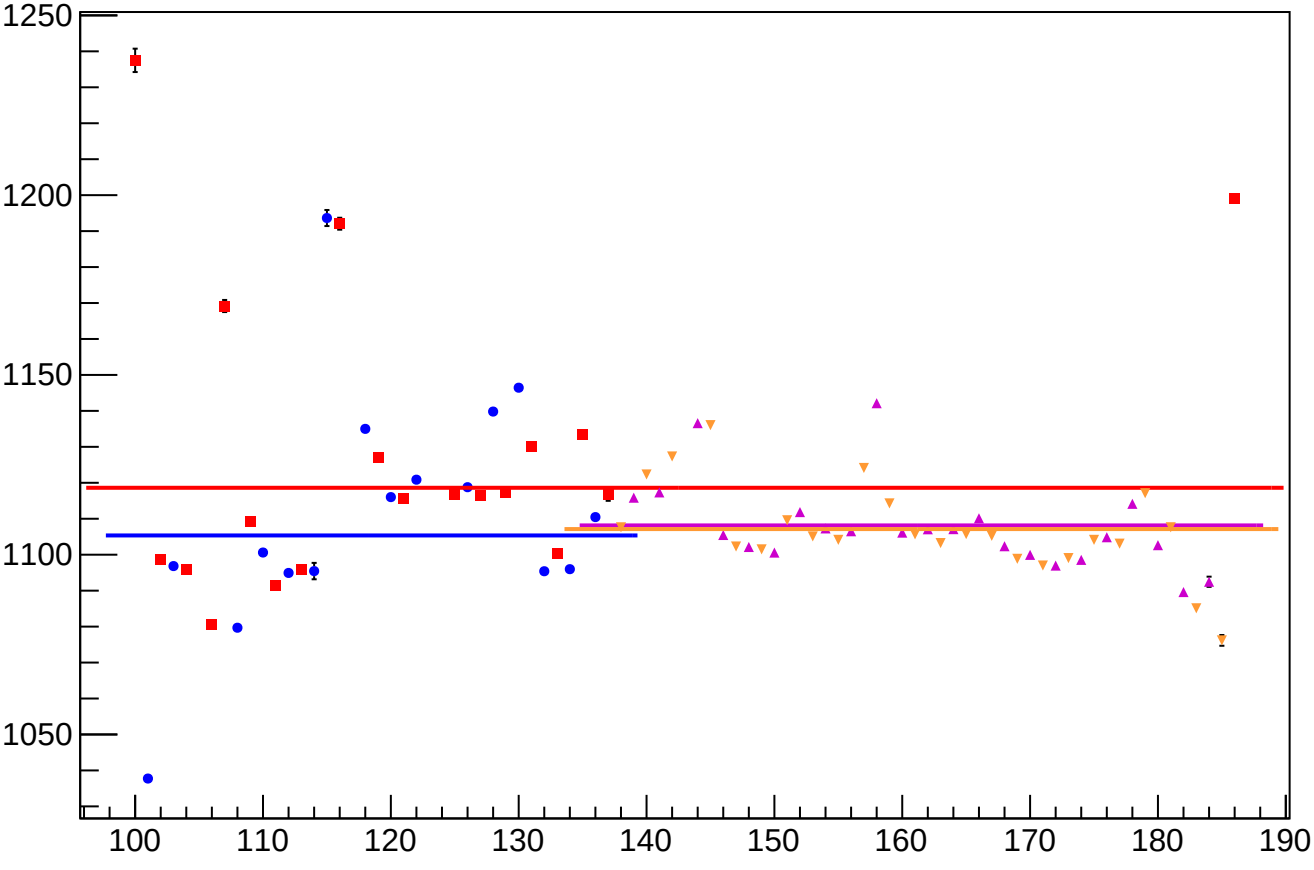
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1662.980+/-217.863 χ^2/NDF: 21.1/39

All: -140.054+/-153.903 χ^2/NDF: 194.8/81

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

dit_asym_usl_rms vs Slug



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

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

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

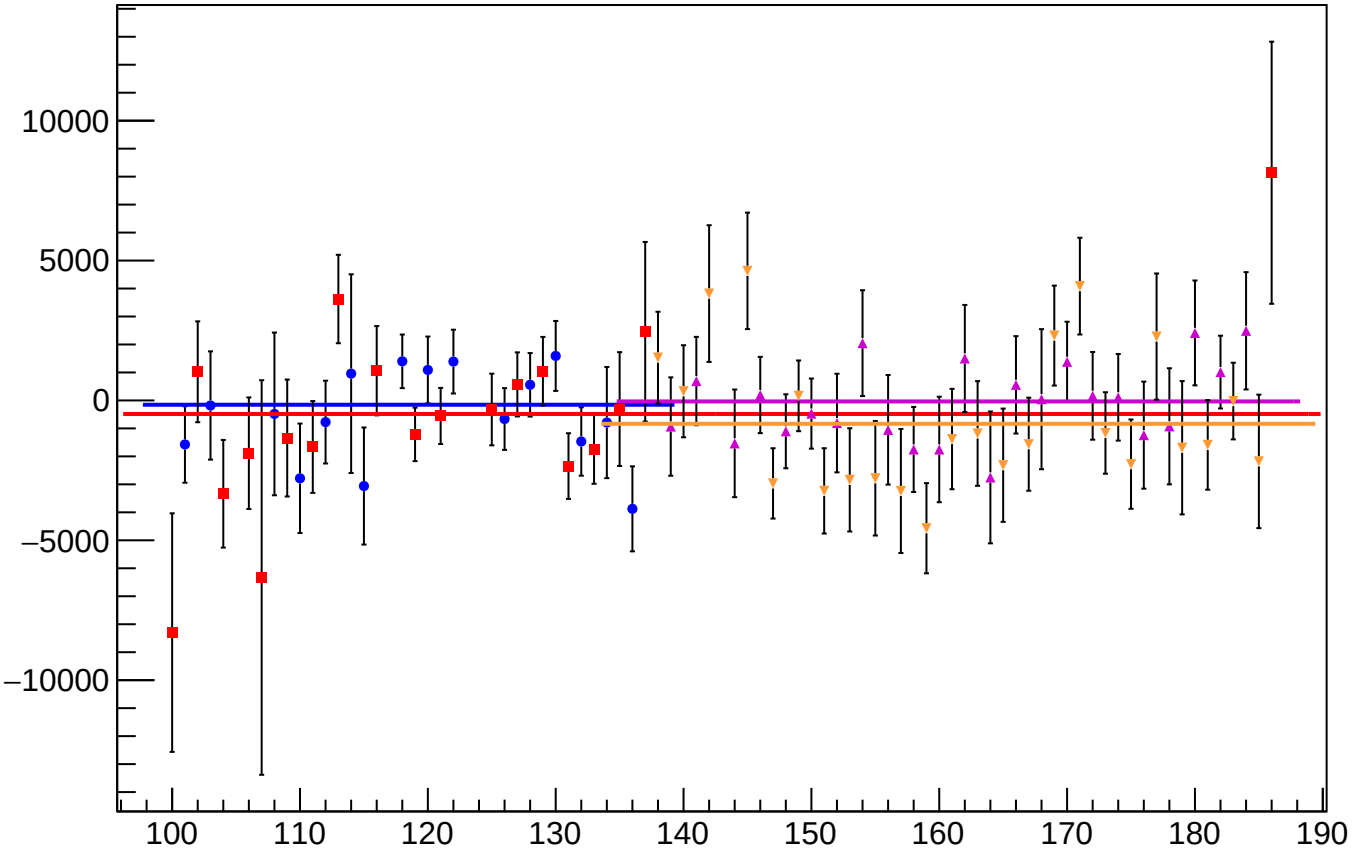
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1106.628+/-0.154 χ^2/NDF: 15141.4/39

All: 1108.929+/-0.109 χ^2/NDF: 31974.8/81

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

asym_usl_dit_correction_mean vs Slug



Right In: -153.999+/-351.318 χ^2/NDF: 20.5/15

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

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

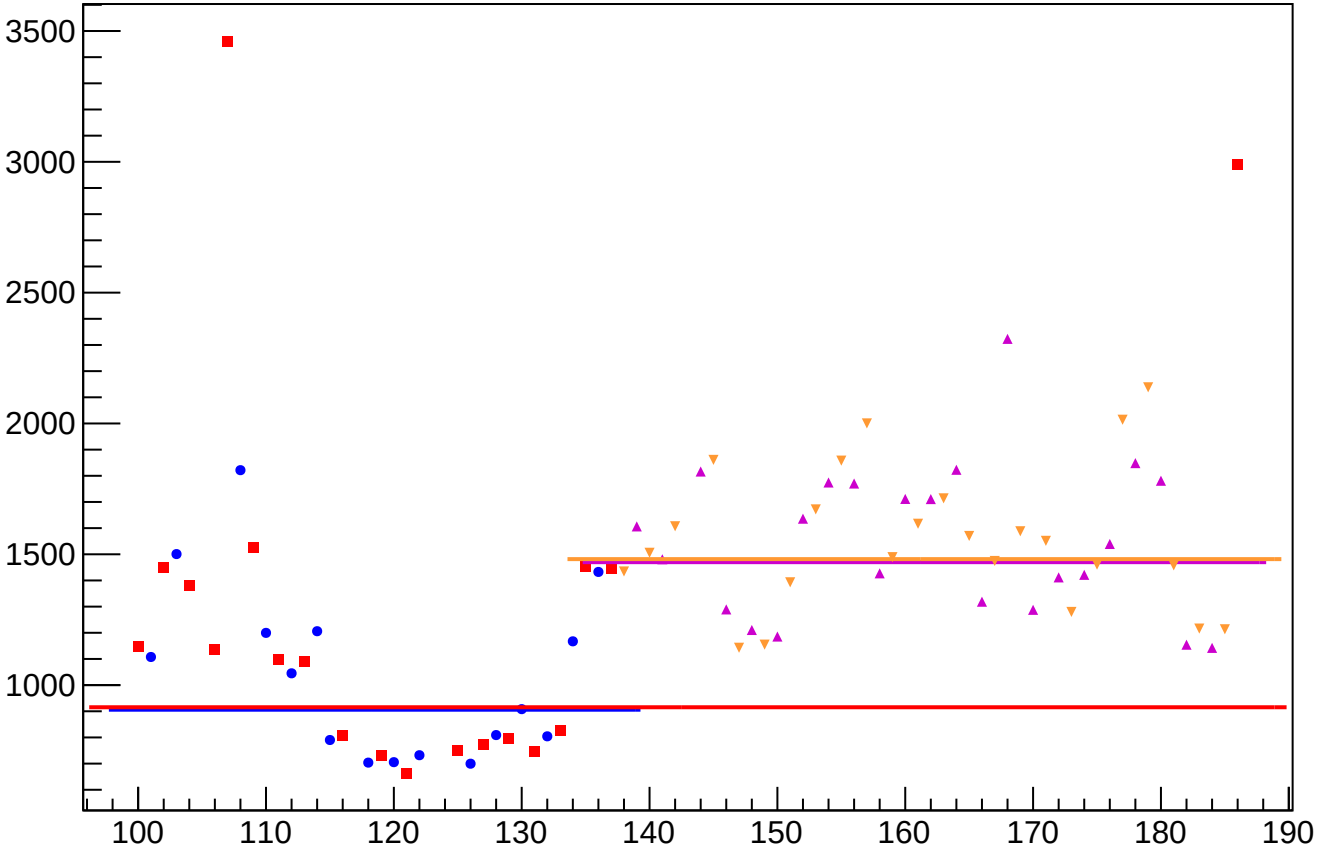
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -495.325+/-248.170 χ^2/NDF: 65.9/39

All: -377.106+/-175.124 χ^2/NDF: 107.0/81

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

asym_usl_dit_correction_rms vs Slug



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

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

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

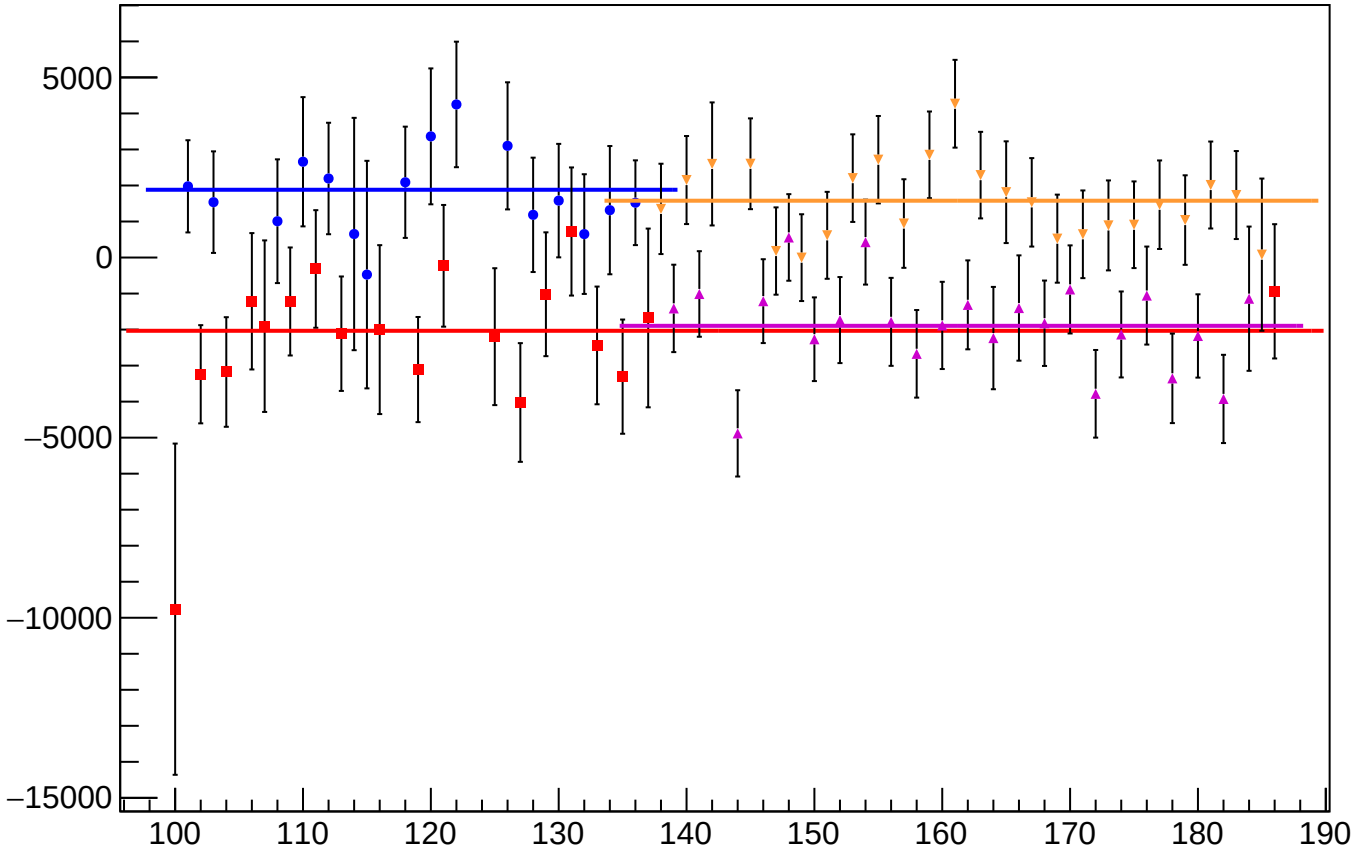
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 1194.366+/-0.175 χ^2/NDF: 4785775.4/39

All: 1193.414+/-0.124 χ^2/NDF: 10132360.1/8

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

eigen_dit_asym_usl_mean vs Slug



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

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 1662.978+/-217.863 χ^2/NDF: 21.1/39

All: -140.055+/-153.903 χ^2/NDF: 194.8/81

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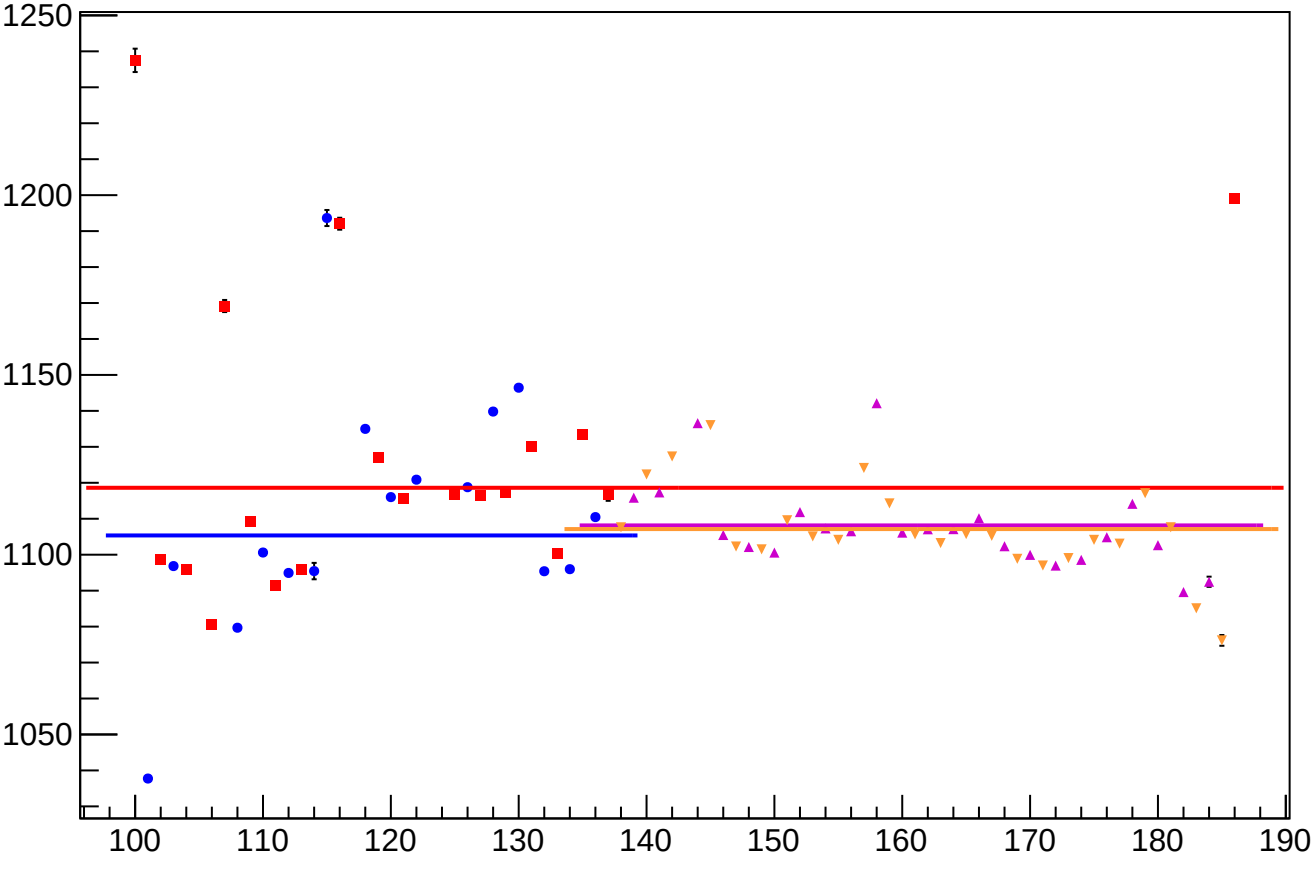
eigen_dit_asym_usl_rms vs Slug



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

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

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

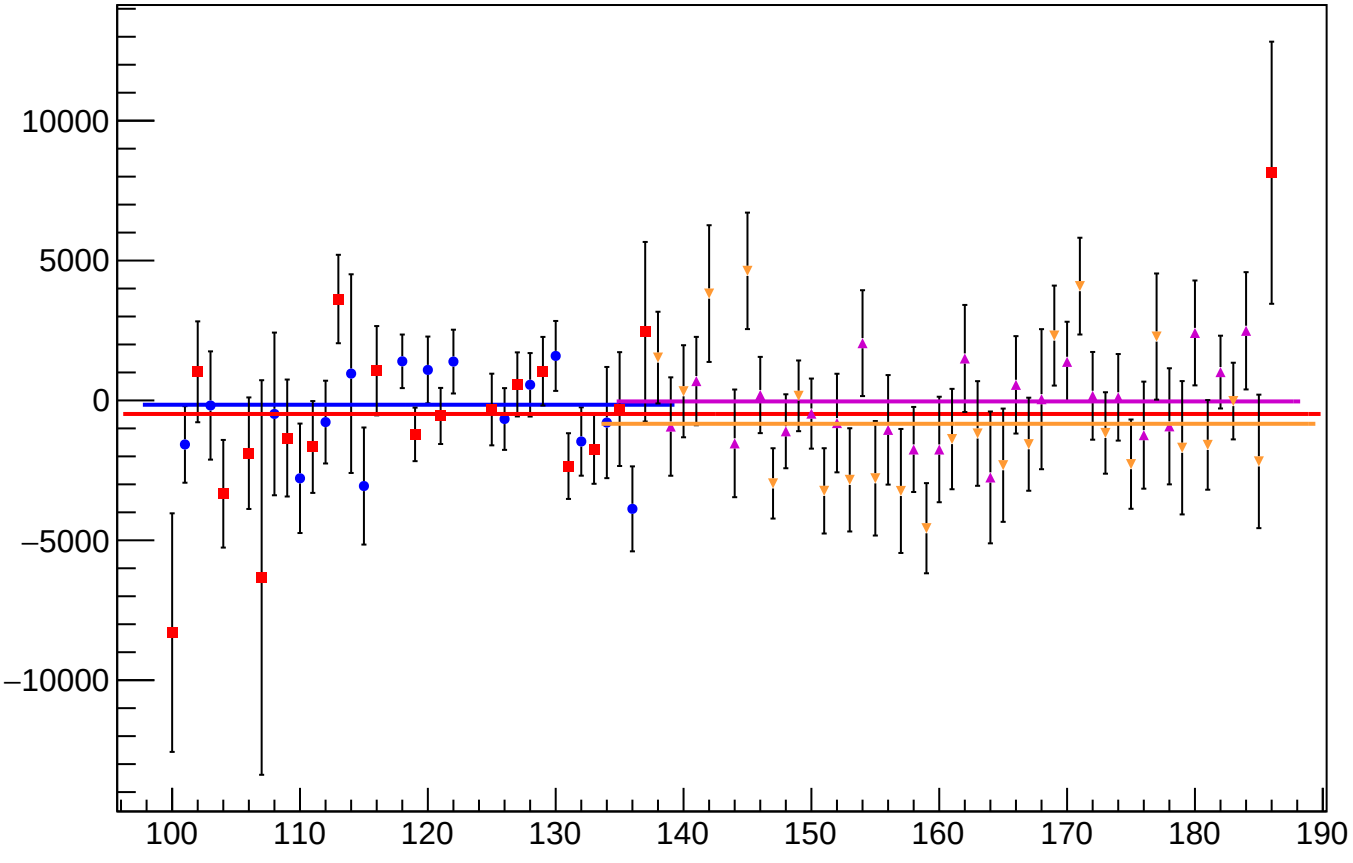
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1106.628+/-0.154 χ^2/NDF: 15141.4/39

All: 1108.929+/-0.109 χ^2/NDF: 31974.8/81

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

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

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

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

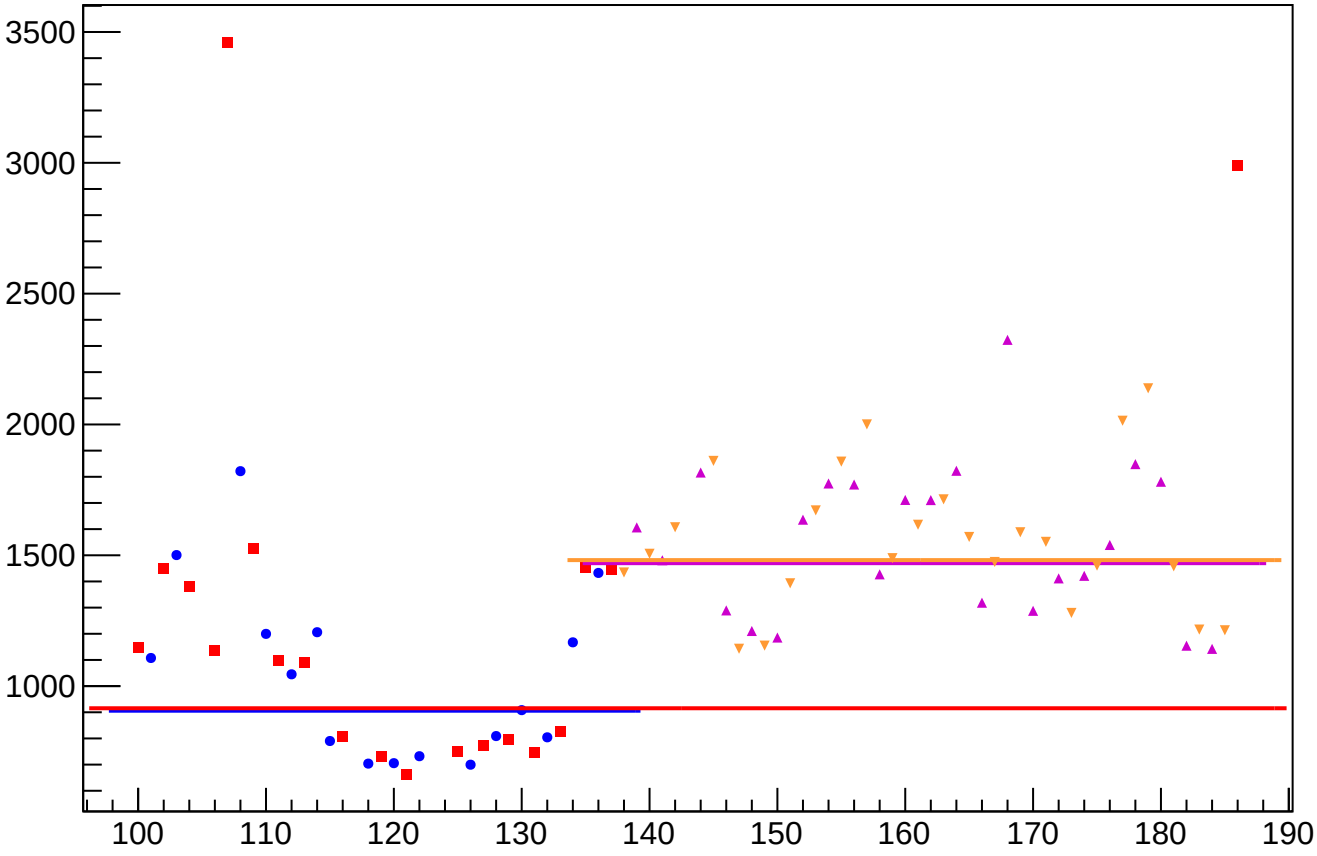
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -495.325+/-248.170 χ^2/NDF: 65.9/39

All: -377.106+/-175.124 χ^2/NDF: 107.0/81

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

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

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

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

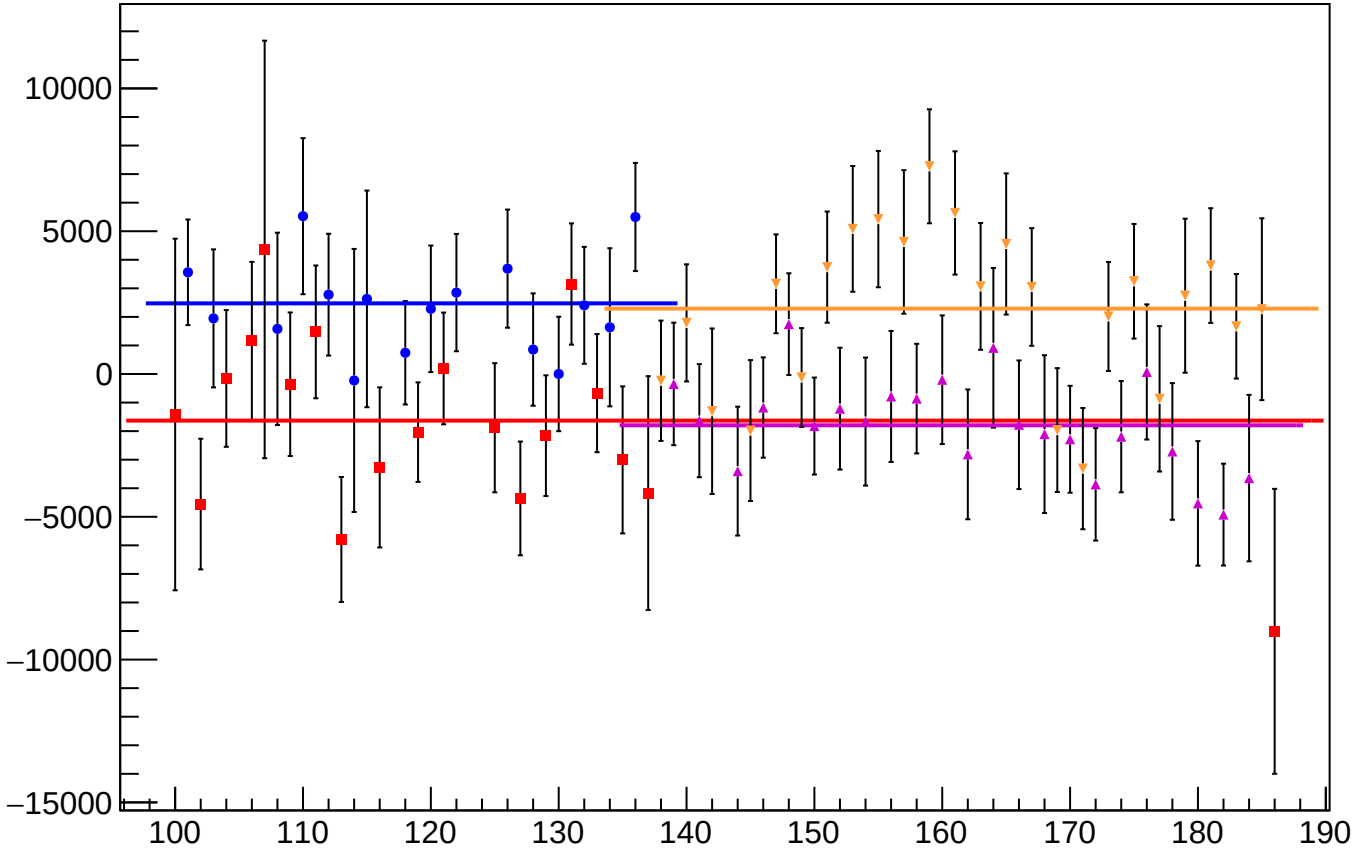
Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

+ sign 1194.365+/-0.175 χ^2/NDF: 4785811.8/39

All: 1193.413+/-0.124 χ^2/NDF: 10132433.3/8

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

asym_usl_mean vs Slug



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

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

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

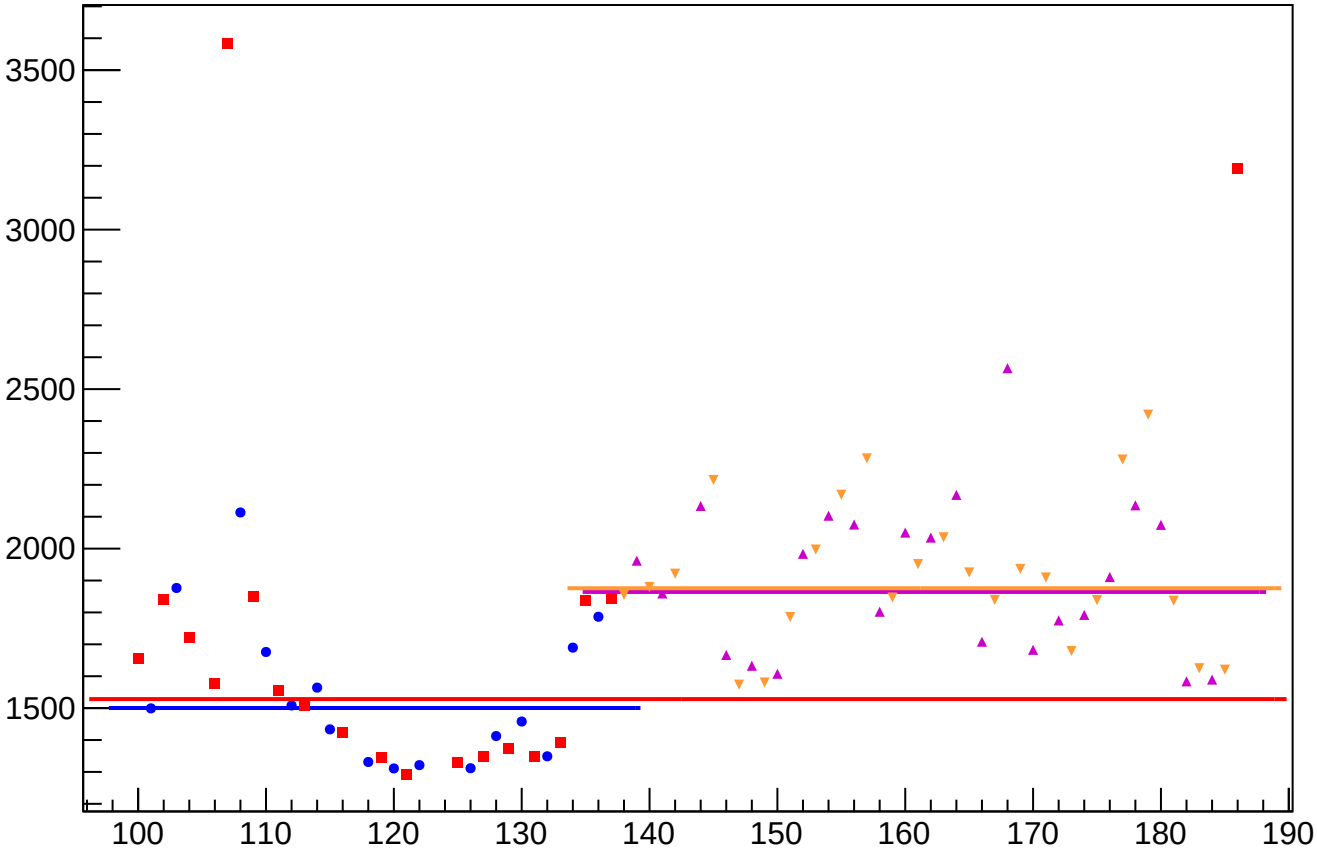
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2359.508+/-346.308 χ^2/NDF: 44.3/39

All: 308.546+/-244.612 χ^2/NDF: 149.3/81

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

asym_usl_rms vs Slug



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

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

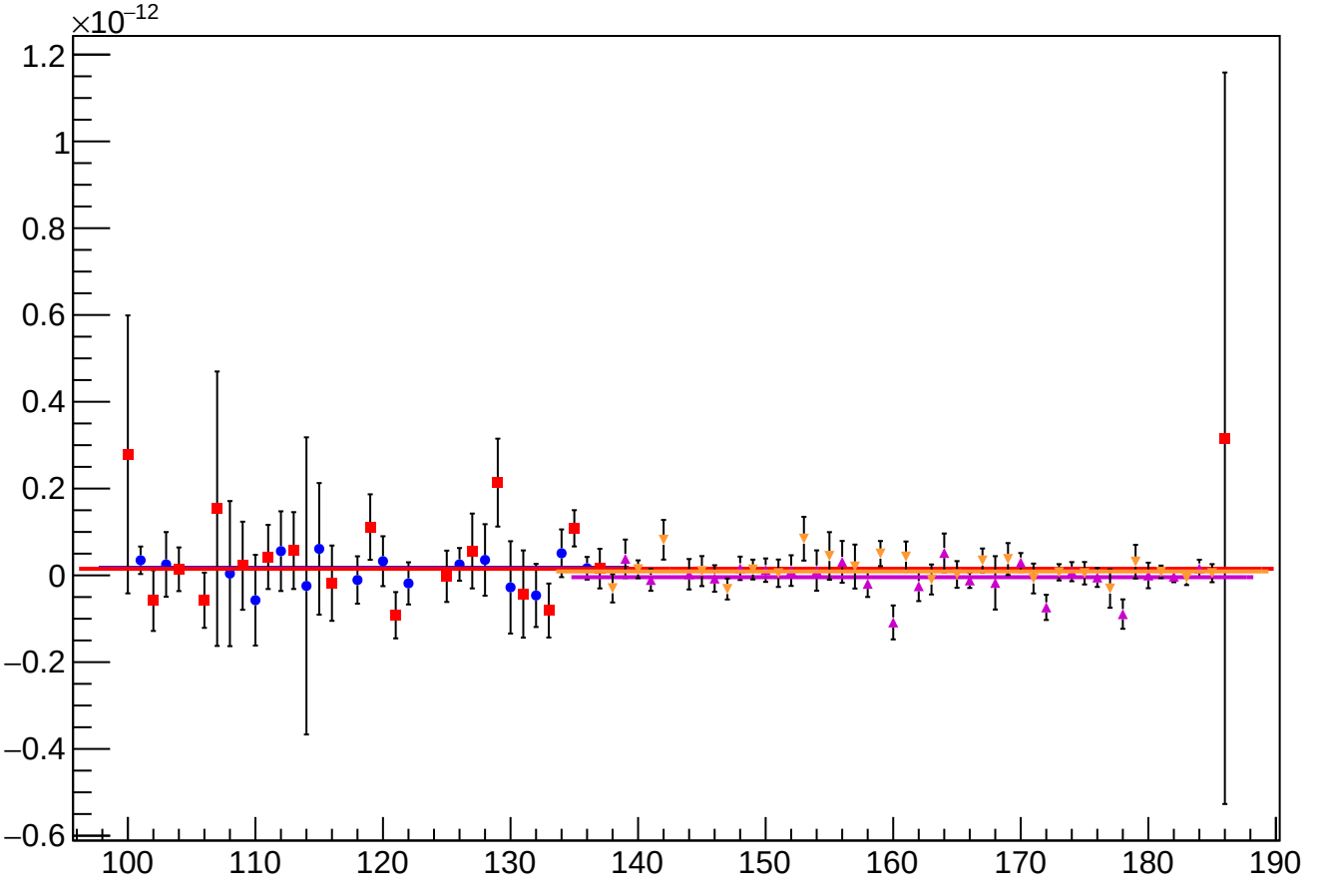
Right Out: 1528.307+/-0.396 χ^2/NDF: 626021.8/18

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

+ sign 1733.663+/-0.245 χ^2/NDF: 1284390.8/39

All: 1734.970+/-0.173 χ^2/NDF: 2866528.3/81

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



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

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

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

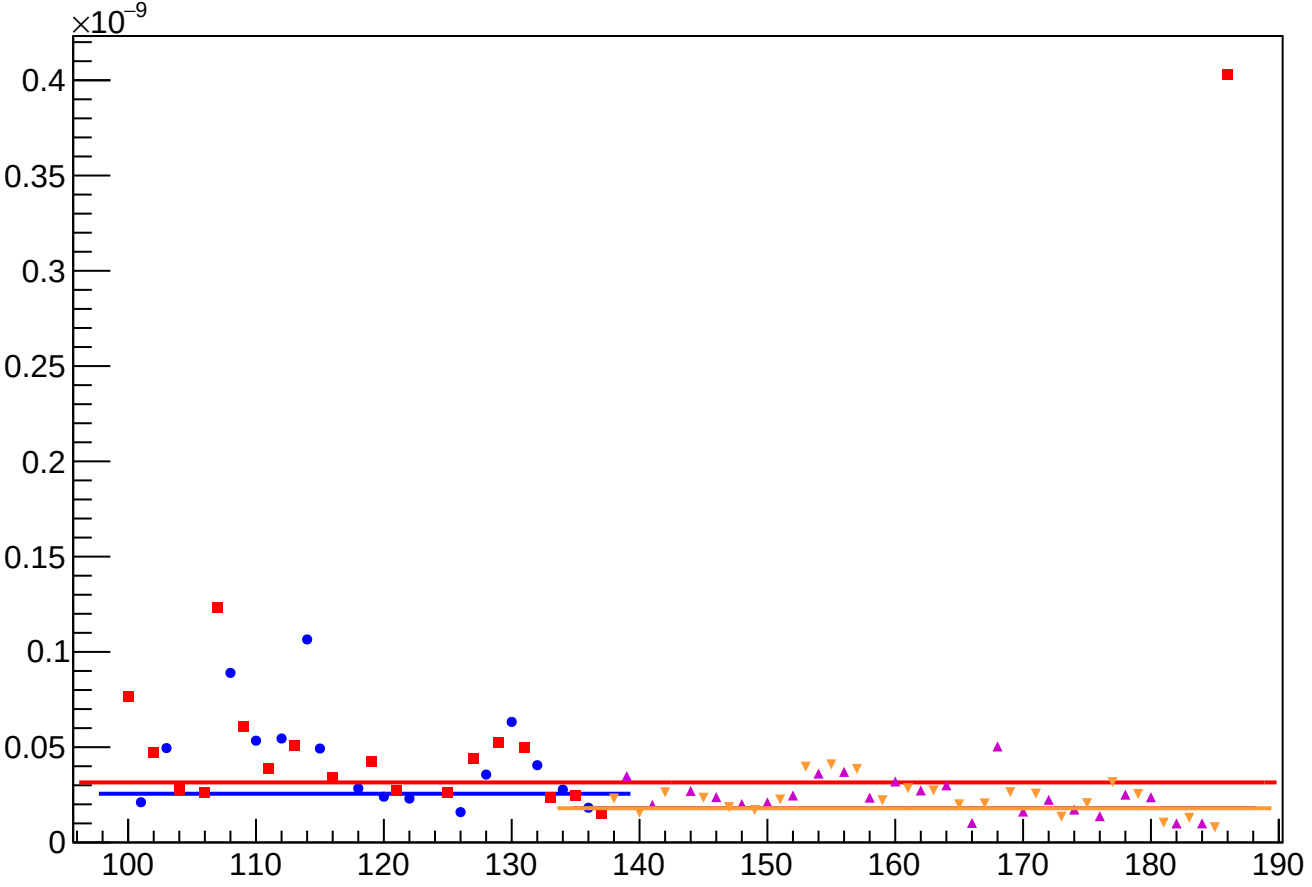
Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 20.3/39

All: 0.000+/-0.000 χ^2/NDF: 74.0/81

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

asym_usl_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1616480.2/18

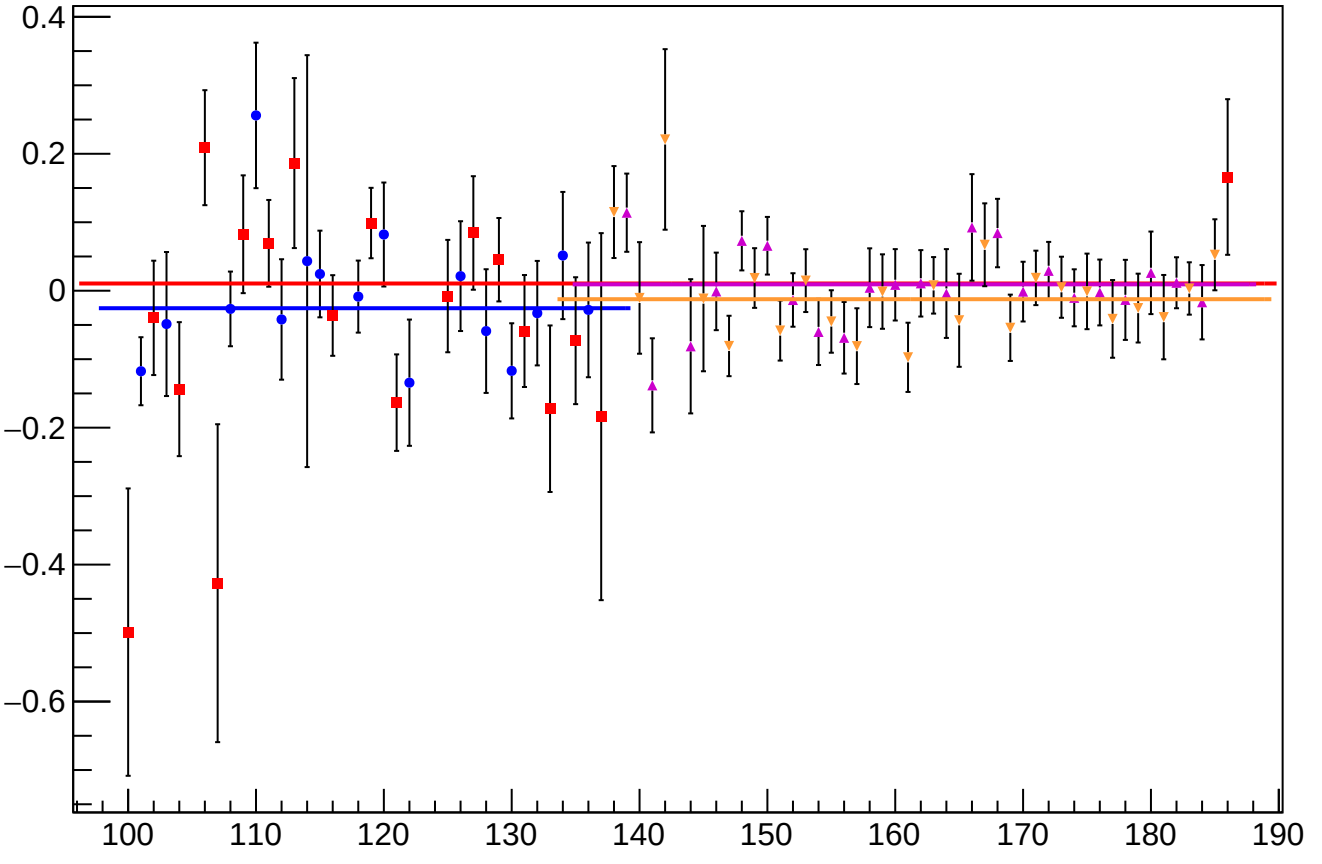
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 5743040.4/39

All: 0.000+/-0.000 χ^2/NDF: 12795565.2/81

- sign 0.000+/-0.000 χ^2/NDF: 7044992.1/41

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

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

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

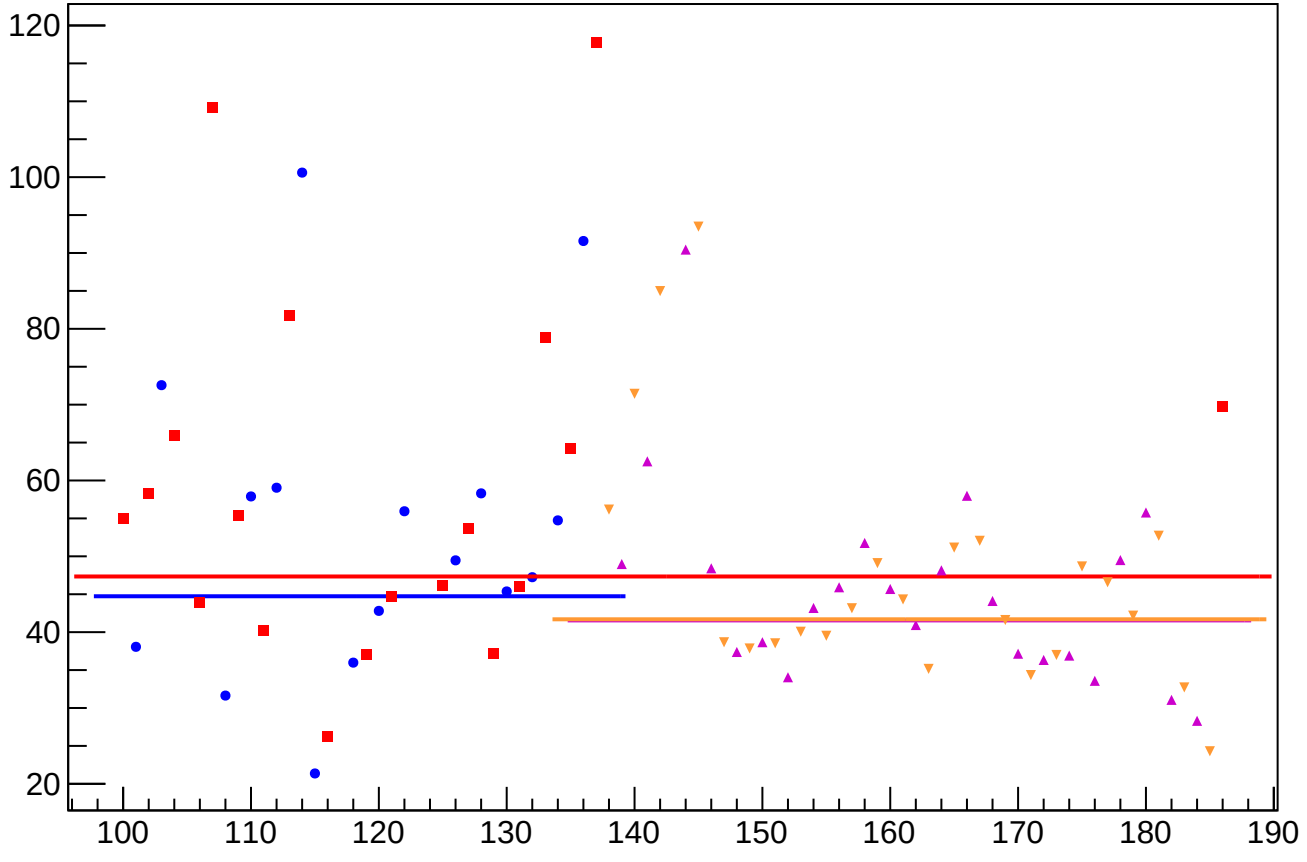
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

\+ sign -0.016+/-0.009 χ^2/NDF: 39.9/39

All: -0.003+/-0.006 χ^2/NDF: 104.1/81

\- sign 0.010+/-0.009 χ^2/NDF: 60.4/41

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 47.342+/-0.014 χ^2/NDF: 1275134.6/18

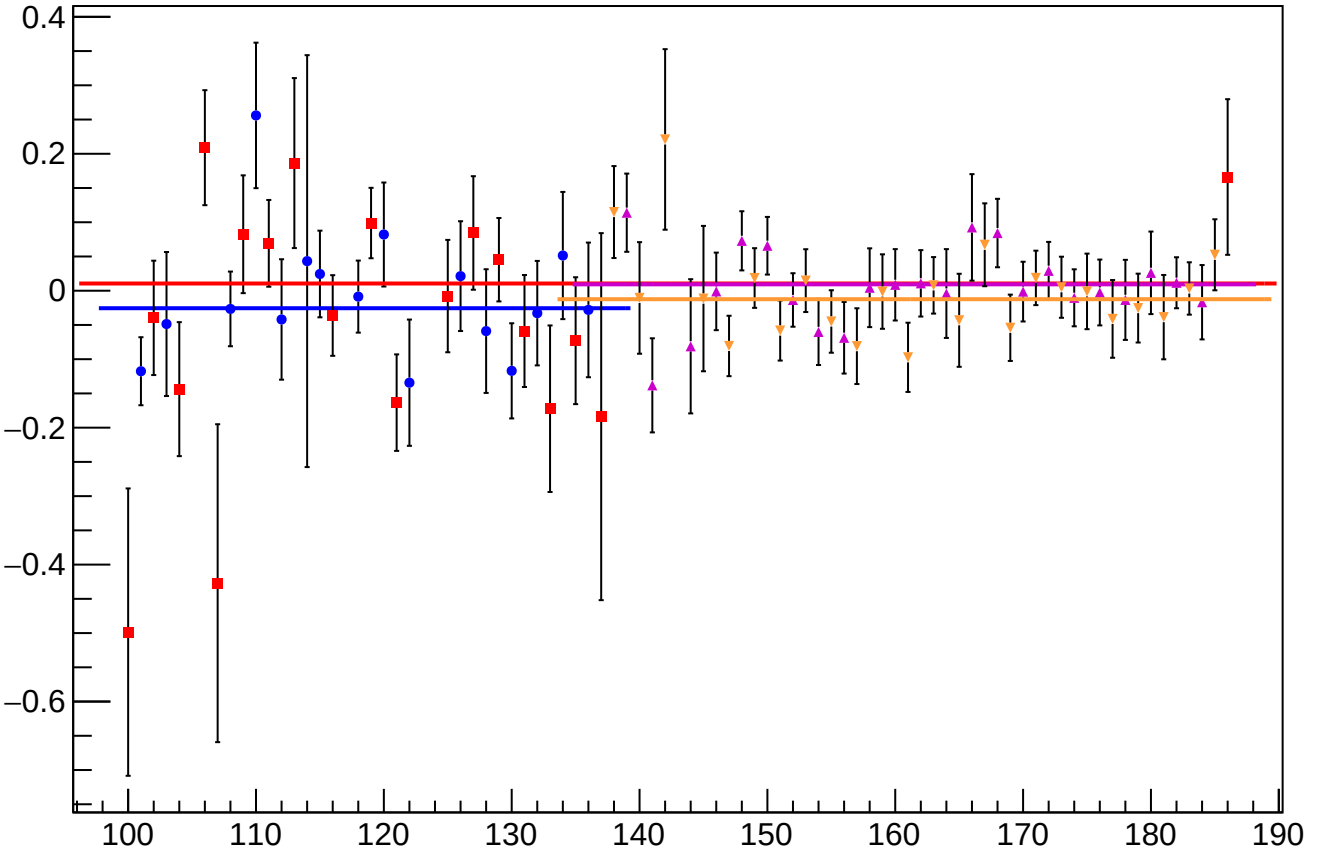
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.418+/-0.006 χ^2/NDF: 3196275.7/39

All: 42.653+/-0.005 χ^2/NDF: 6228166.0/81

- 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+/-0.019 χ^2/NDF: 17.6/15

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

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

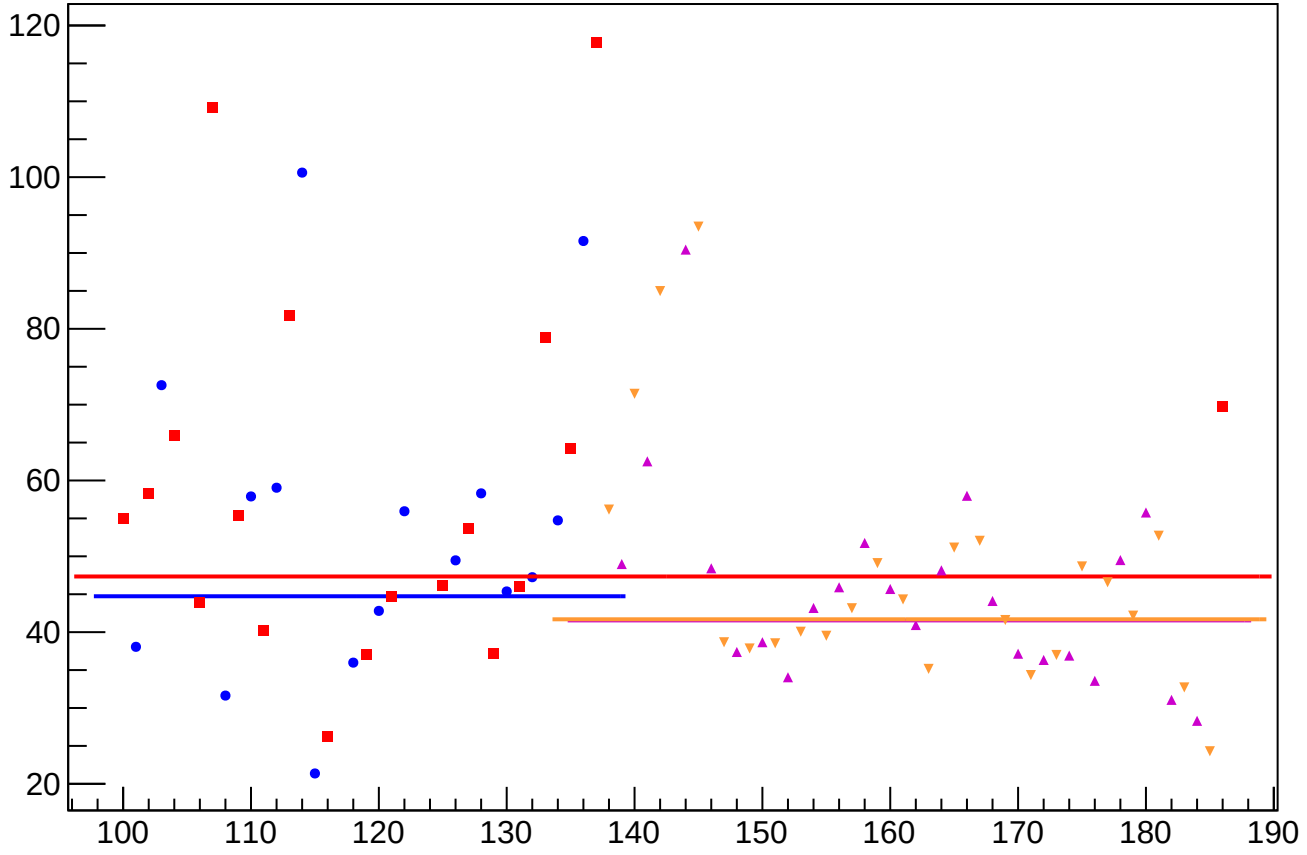
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

\+ sign -0.016+/-0.009 χ^2/NDF: 39.9/39

All: -0.003+/-0.006 χ^2/NDF: 104.1/81

\- sign 0.010+/-0.009 χ^2/NDF: 60.4/41

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 47.342+/-0.014 χ^2/NDF: 1275134.6/18

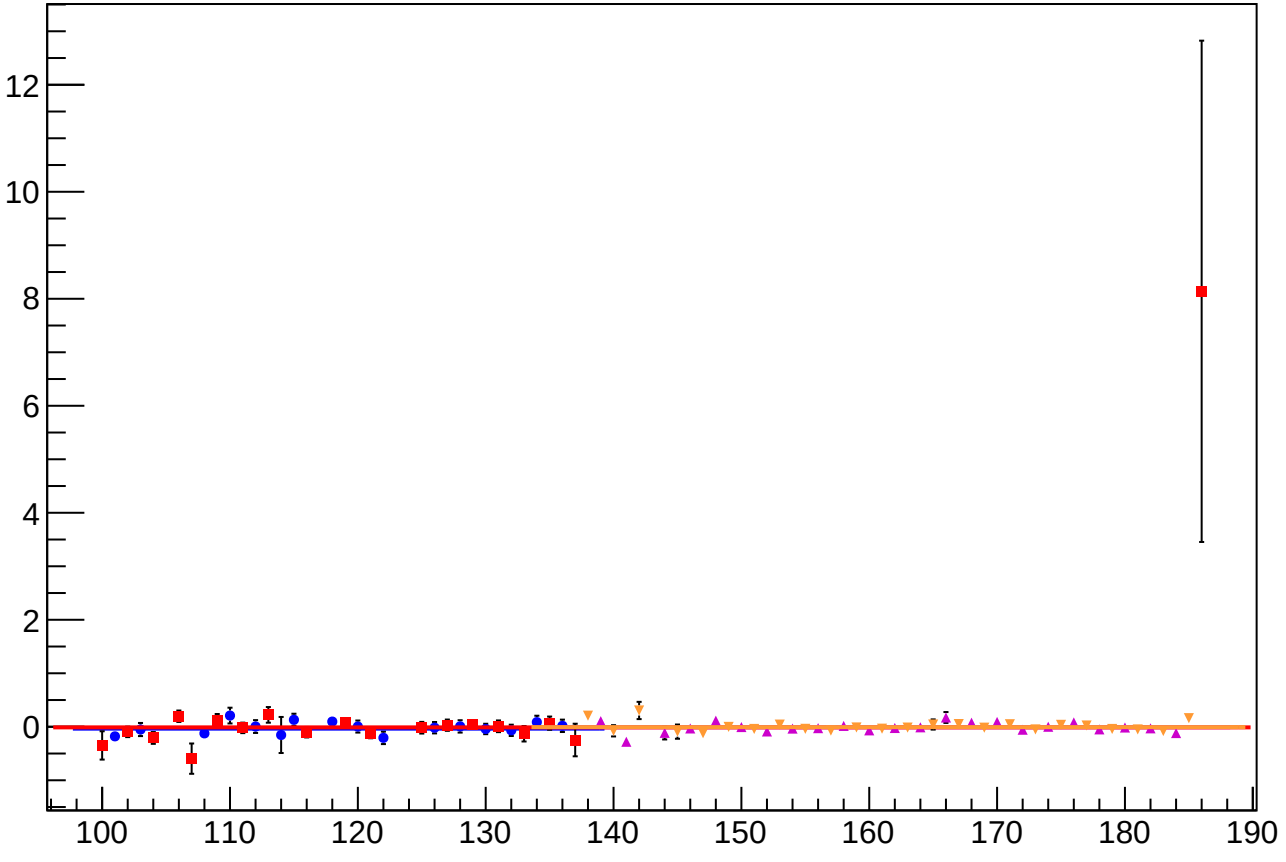
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.418+/-0.006 χ^2/NDF: 3196275.7/39

All: 42.653+/-0.005 χ^2/NDF: 6228166.0/81

- 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: 17.4/15

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.011+/-0.027 χ^2/NDF: 25.8/18

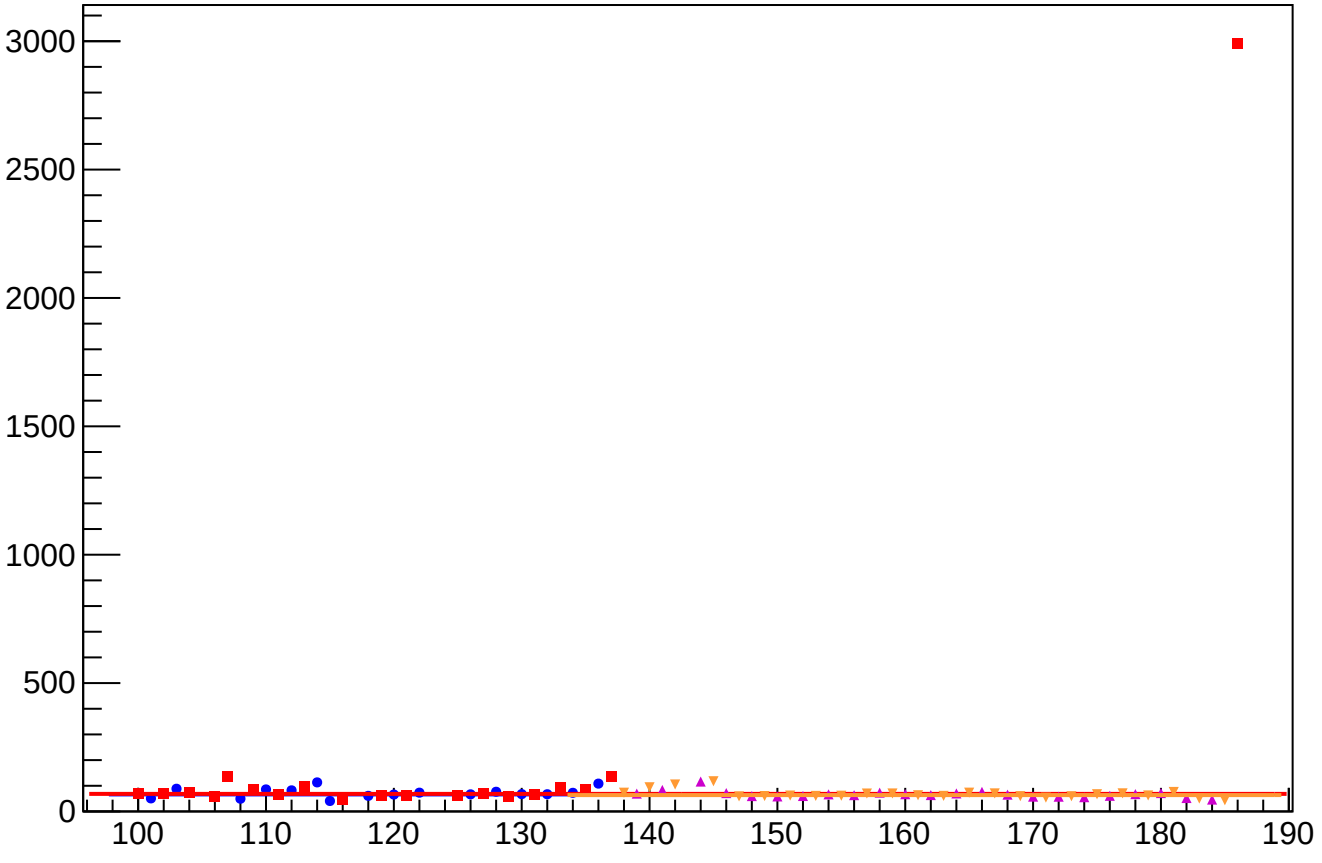
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.014+/-0.013 χ^2/NDF: 42.0/39

All: -0.011+/-0.009 χ^2/NDF: 96.0/81

- sign -0.009+/-0.013 χ^2/NDF: 53.9/41

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 68.418+/-0.019 χ^2/NDF: 1407447.2/18

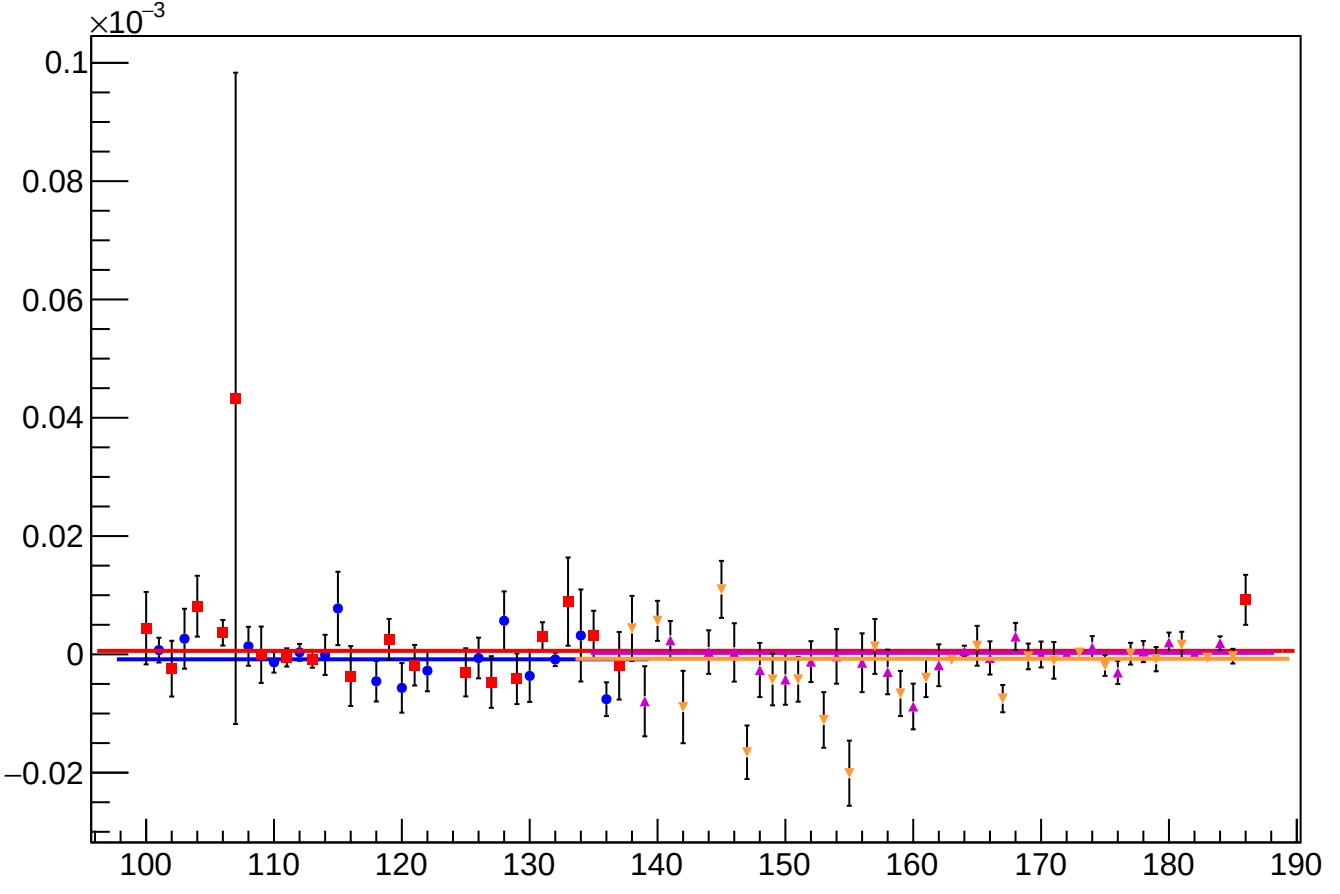
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 64.436+/-0.009 χ^2/NDF: 1865712.4/39

All: 64.778+/-0.007 χ^2/NDF: 4154485.3/81

- 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: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

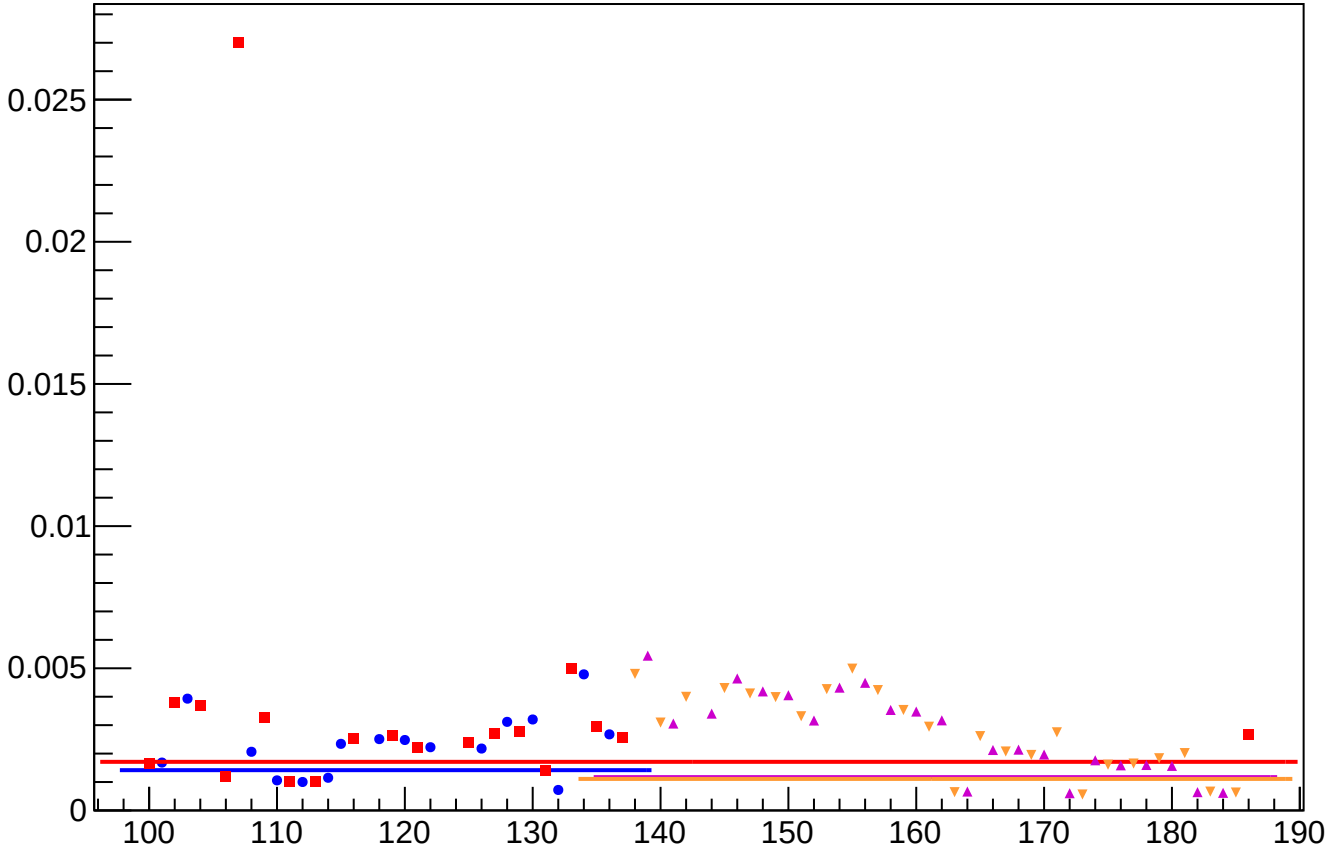
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.0/39

All: -0.000+/-0.000 χ^2/NDF: 119.3/81

- 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: 3547259.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.002+/-0.000 χ^2/NDF: 3537650.3/18

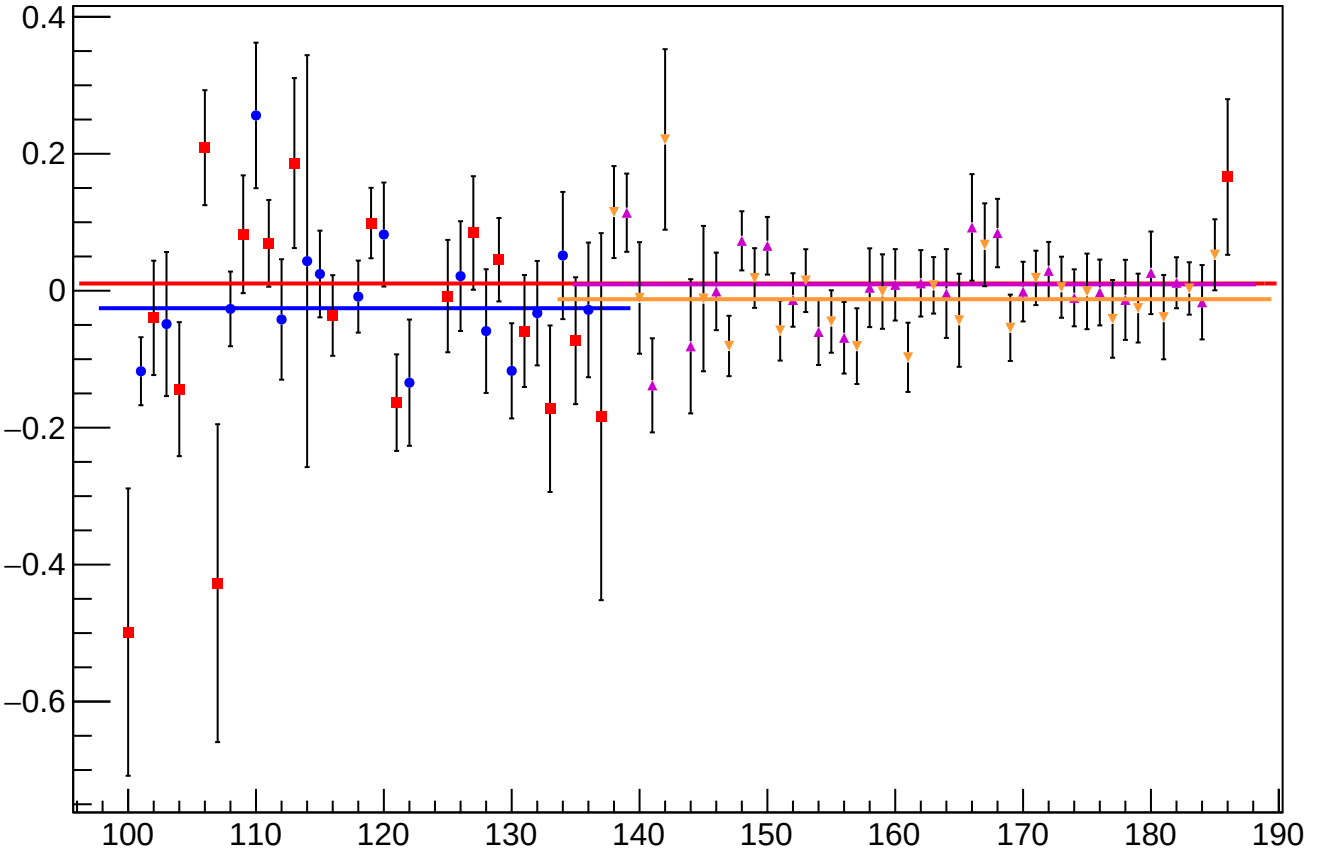
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 19088433.0/39

All: 0.001+/-0.000 χ^2/NDF: 37885373.1/81

- 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+/-0.019 χ^2/NDF: 17.6/15

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

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

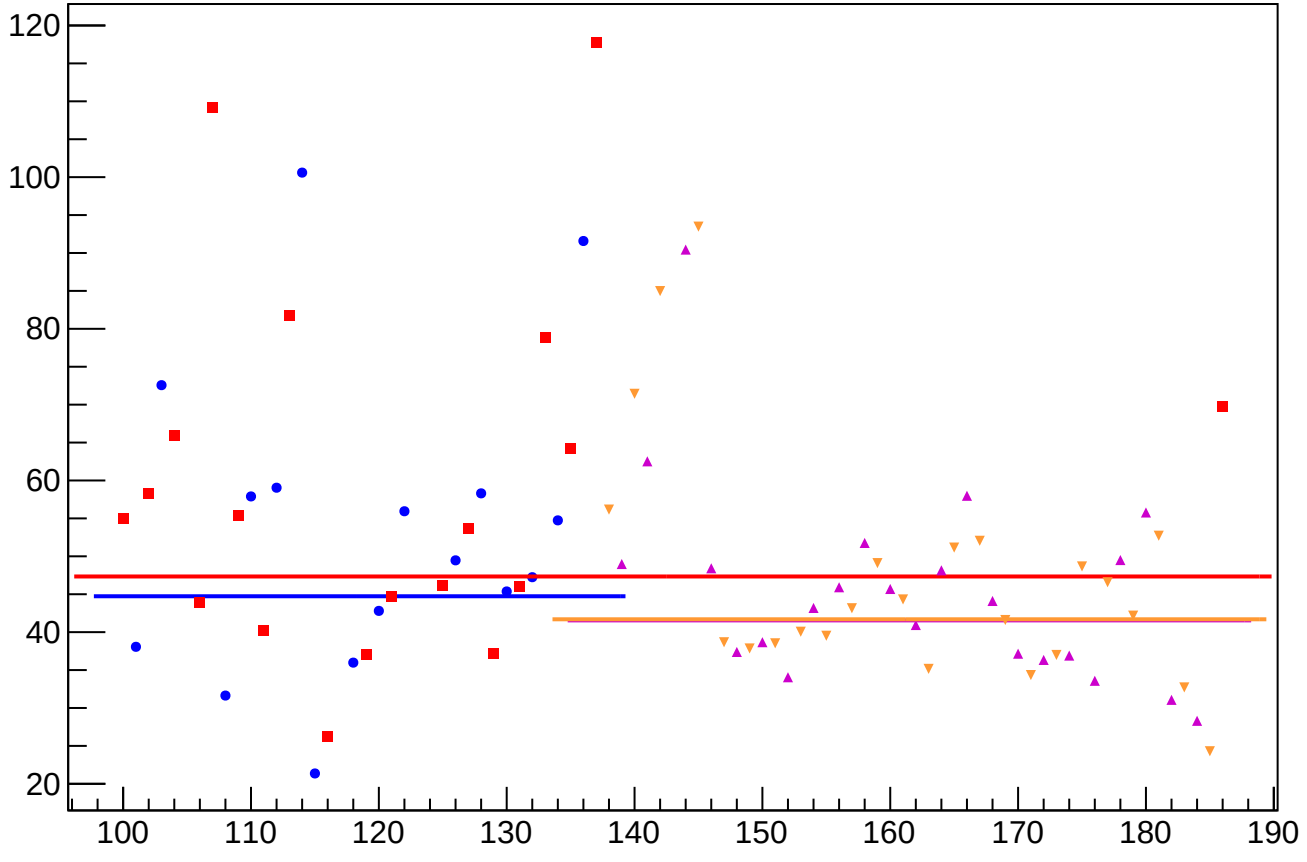
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

\+ sign -0.016+/-0.009 χ^2/NDF: 39.9/39

All: -0.003+/-0.006 χ^2/NDF: 104.1/81

\- sign 0.010+/-0.009 χ^2/NDF: 60.4/41

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

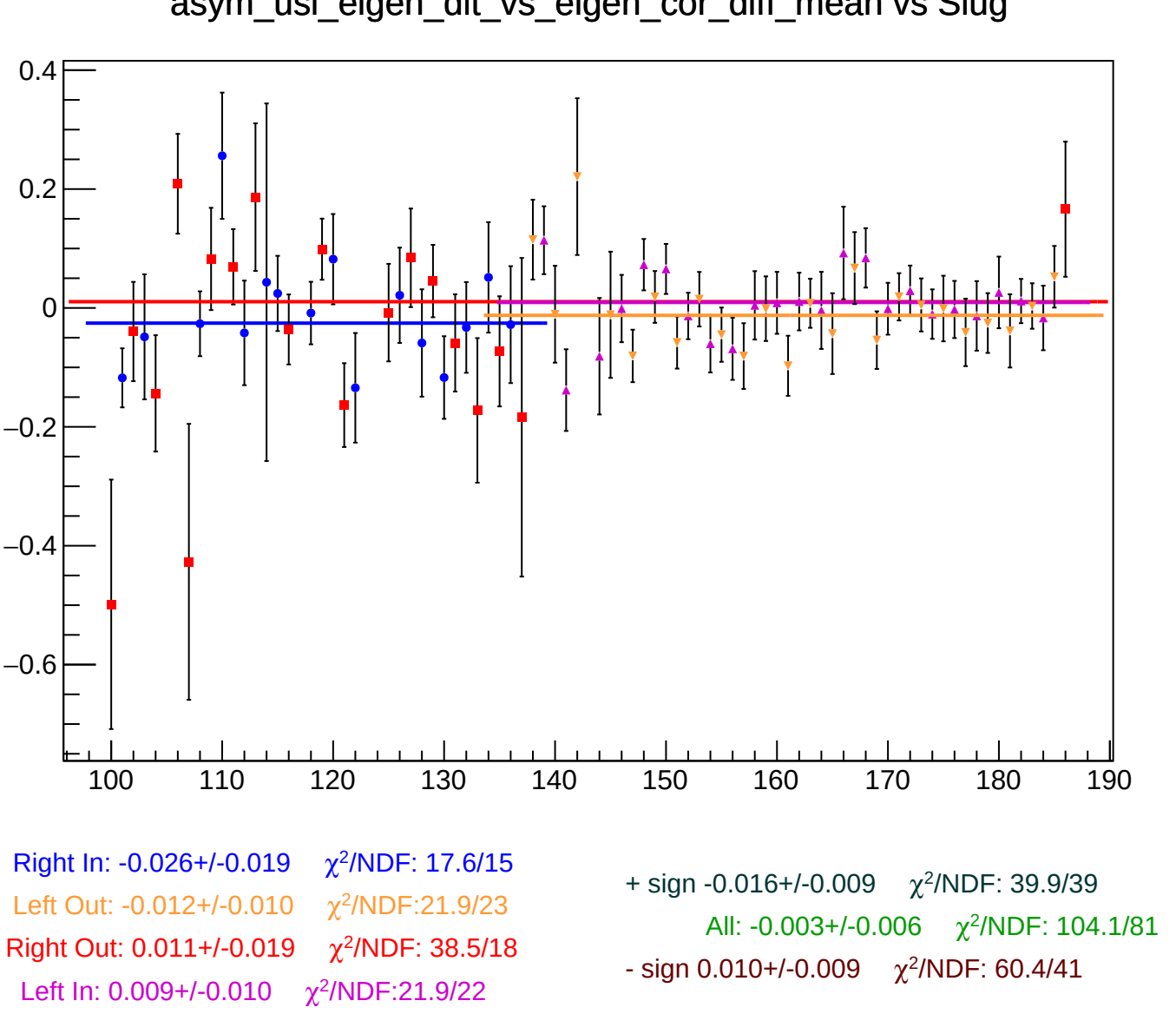
Right Out: 47.341+/-0.014 χ^2/NDF: 1275193.7/18

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

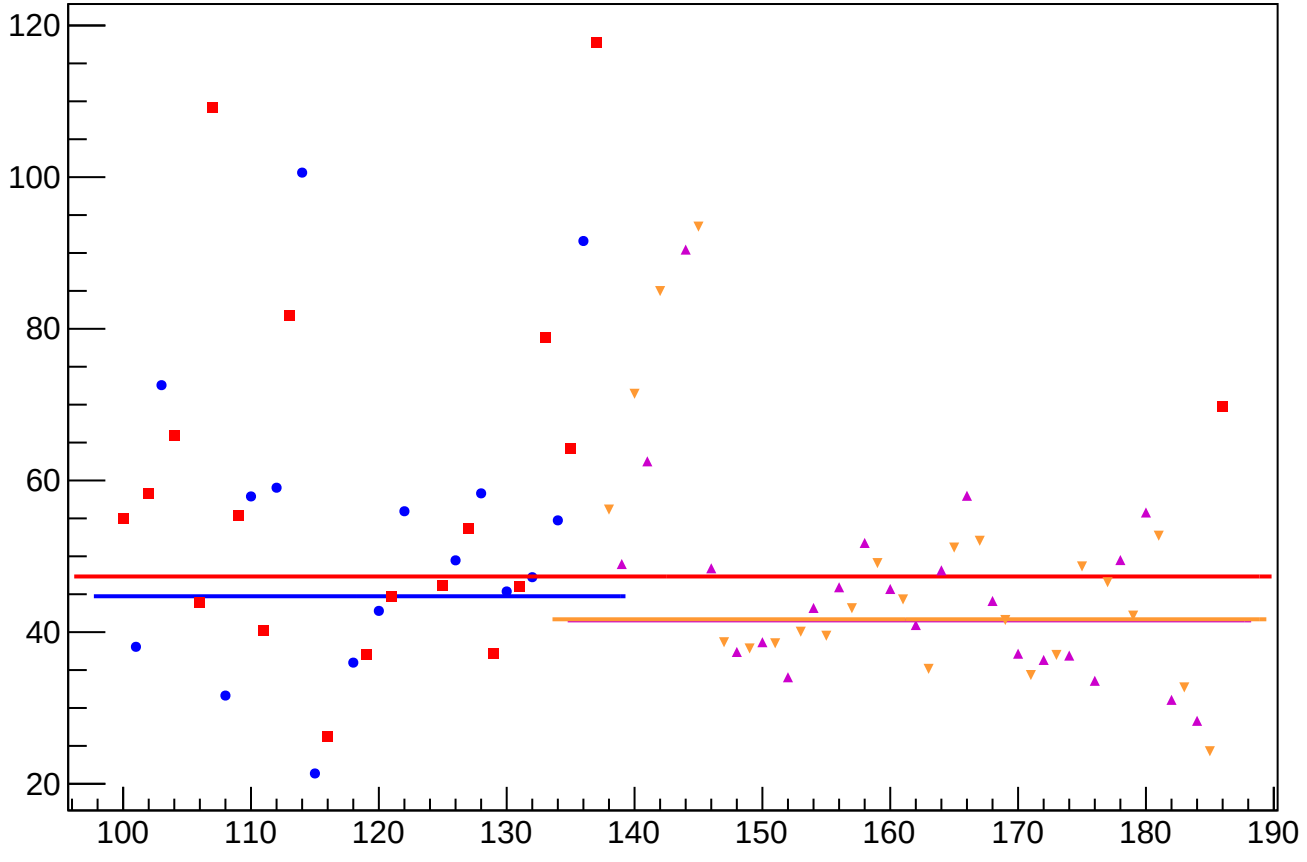
+ sign 42.418+/-0.006 χ^2/NDF: 3196274.3/39

All: 42.653+/-0.005 χ^2/NDF: 6228131.7/81

- sign 42.889+/-0.006 χ^2/NDF: 3029225.3/41


asym_usl_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: -0.026+/-0.019 χ²/NDF: 17.6/15
Left Out: -0.012+/-0.010 χ²/NDF:21.9/23
Right Out: 0.011+/-0.019 χ²/NDF: 38.5/18
Left In: 0.009+/-0.010 χ²/NDF:21.9/22
+ sign -0.016+/-0.009 χ²/NDF: 39.9/39
All: -0.003+/-0.006 χ²/NDF: 104.1/81
- sign 0.010+/-0.009 χ²/NDF: 60.4/41

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

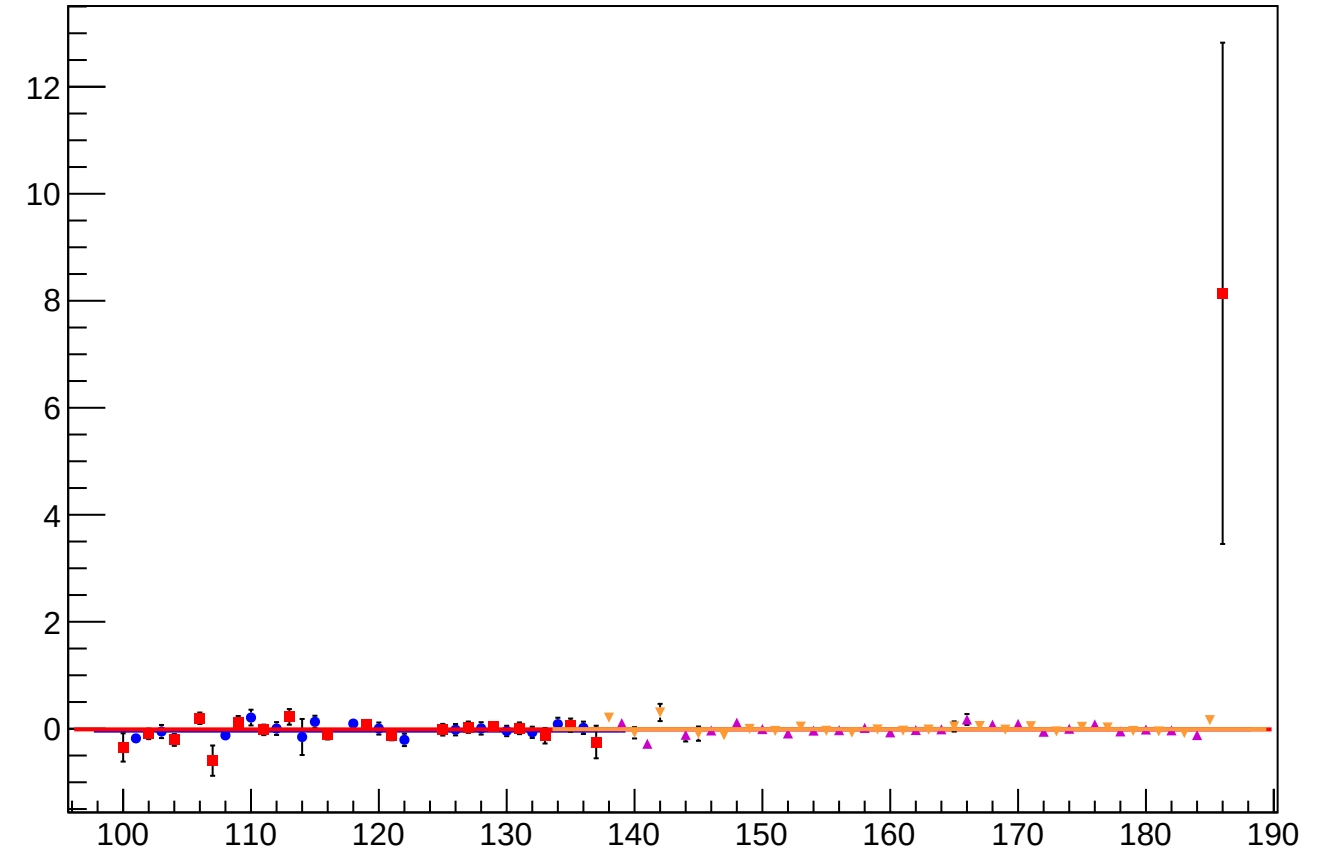
Right Out: 47.341+/-0.014 χ^2/NDF: 1275193.7/18

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.418+/-0.006 χ^2/NDF: 3196274.3/39

All: 42.653+/-0.005 χ^2/NDF: 6228131.7/81

- sign 42.889+/-0.006 χ^2/NDF: 3029225.3/41



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.011+/-0.027 χ^2/NDF: 25.8/18

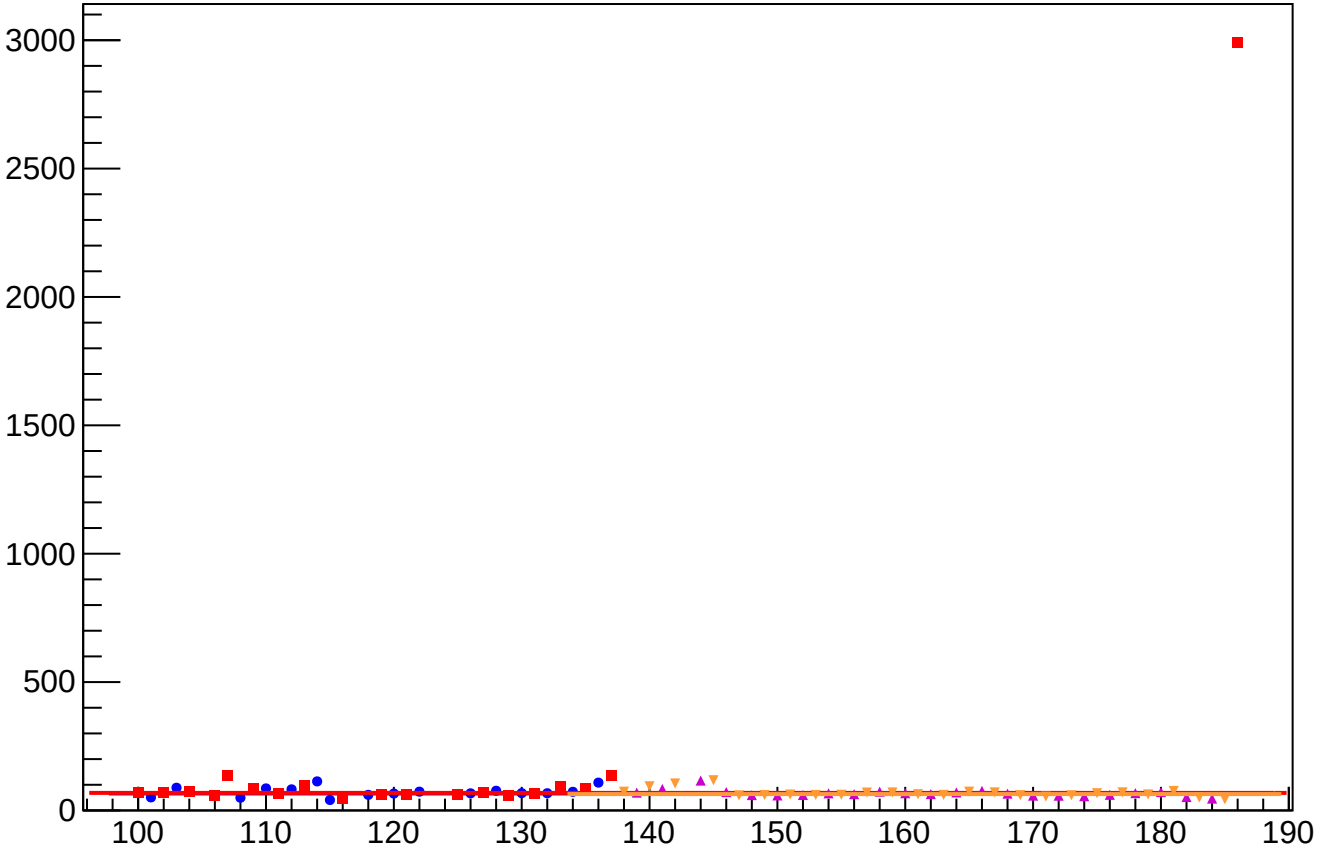
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.014+/-0.013 χ^2/NDF: 42.0/39

All: -0.011+/-0.009 χ^2/NDF: 96.0/81

- sign -0.009+/-0.013 χ^2/NDF: 53.9/41

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

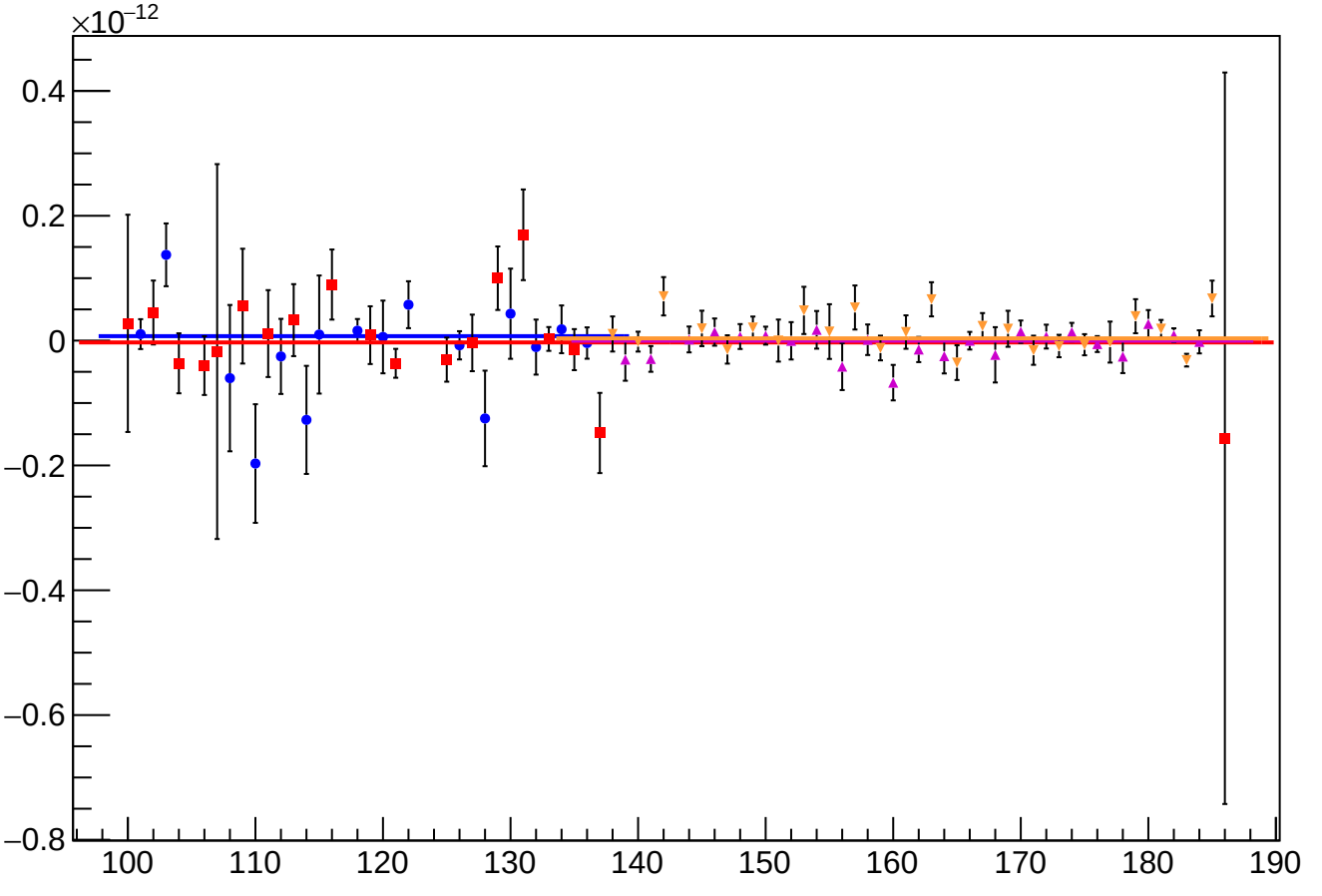
Right Out: 68.418+/-0.019 χ^2/NDF: 1407443.4/18

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 64.436+/-0.009 χ^2/NDF: 1865700.8/39

All: 64.778+/-0.007 χ^2/NDF: 4154450.3/81

- sign 65.127+/-0.009 χ^2/NDF: 2286073.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

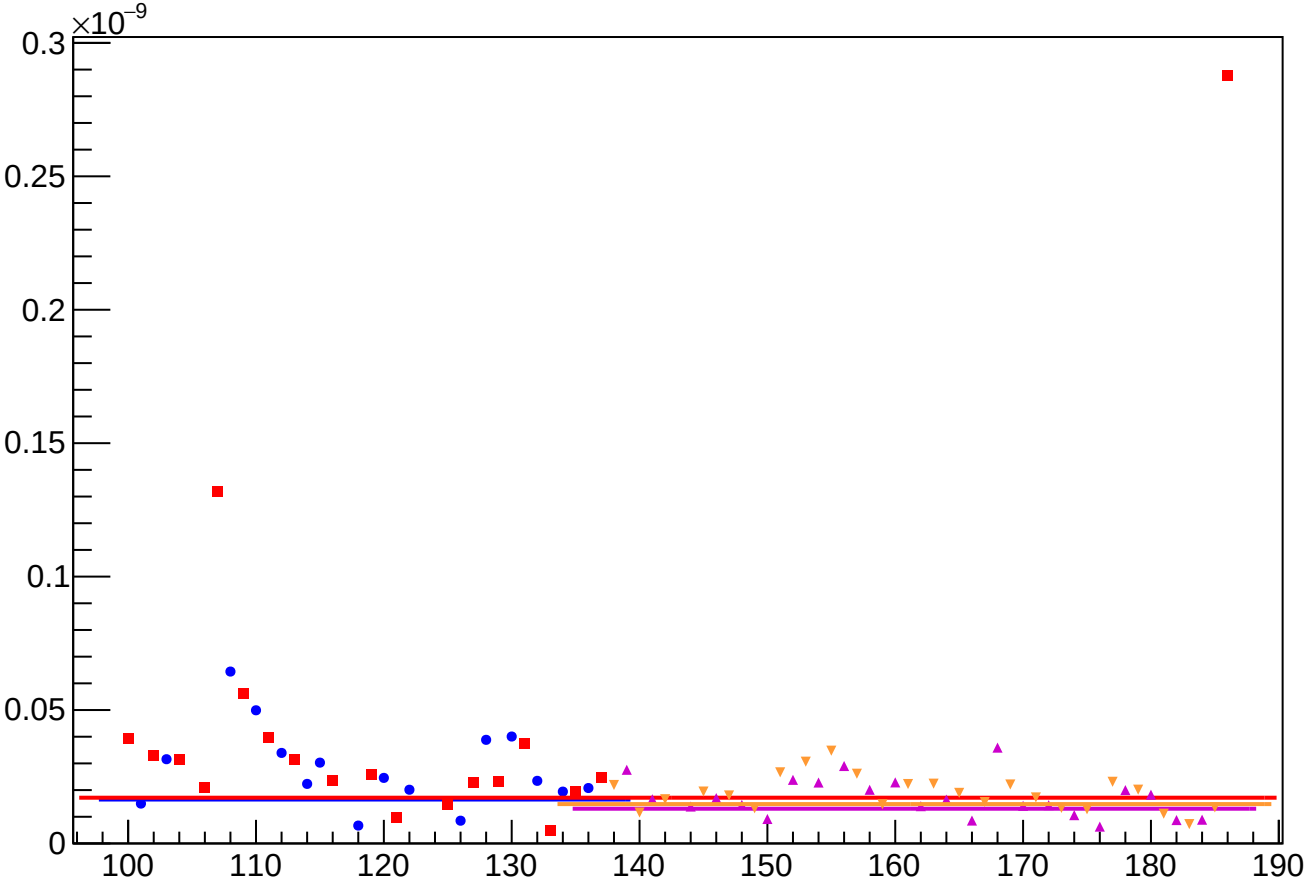
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.1/39

All: 0.000+/-0.000 χ^2/NDF: 102.5/81

- 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: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3217590.6/18

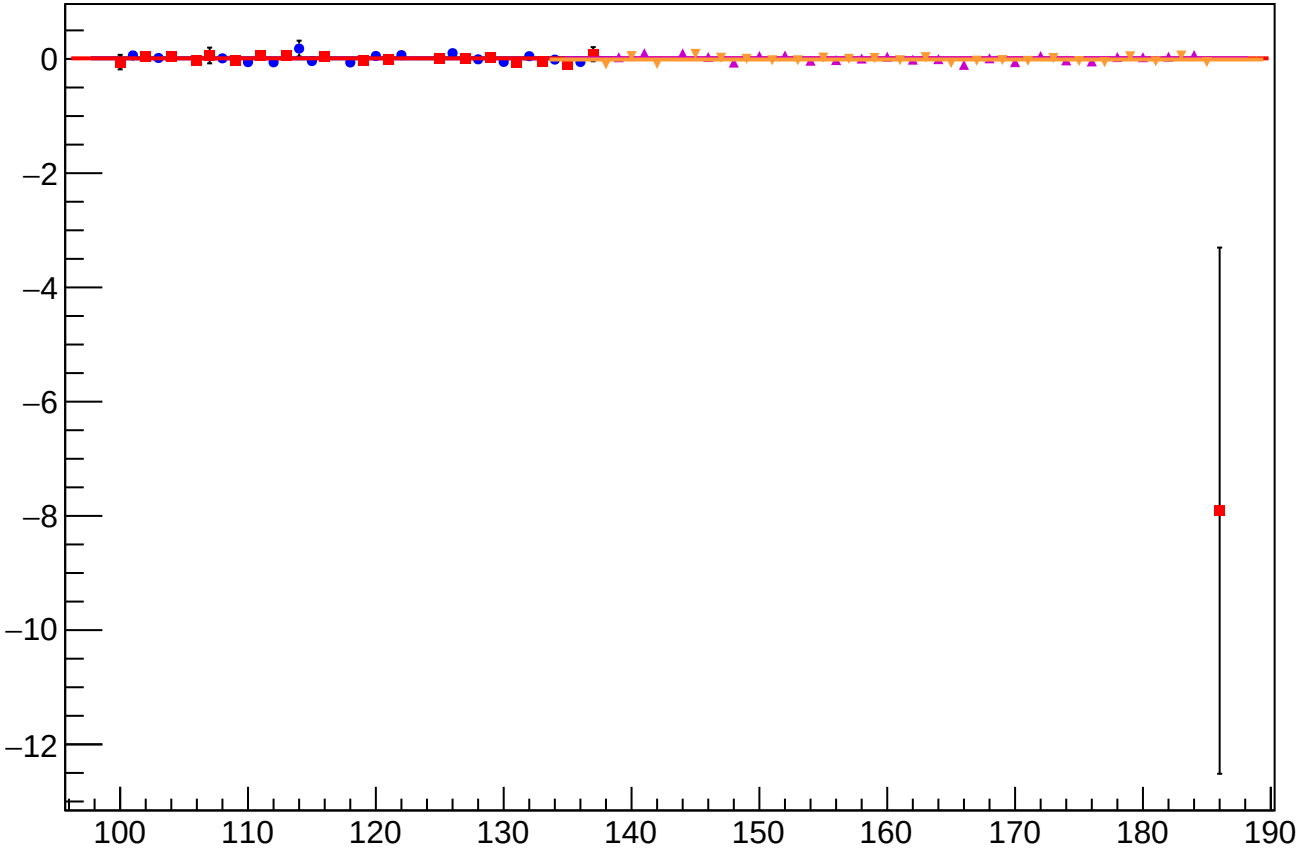
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5933638.1/39

All: 0.000+/-0.000 χ^2/NDF: 13522287.7/81

- 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: 14.7/15

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.011+/-0.013 χ^2/NDF: 12.9/18

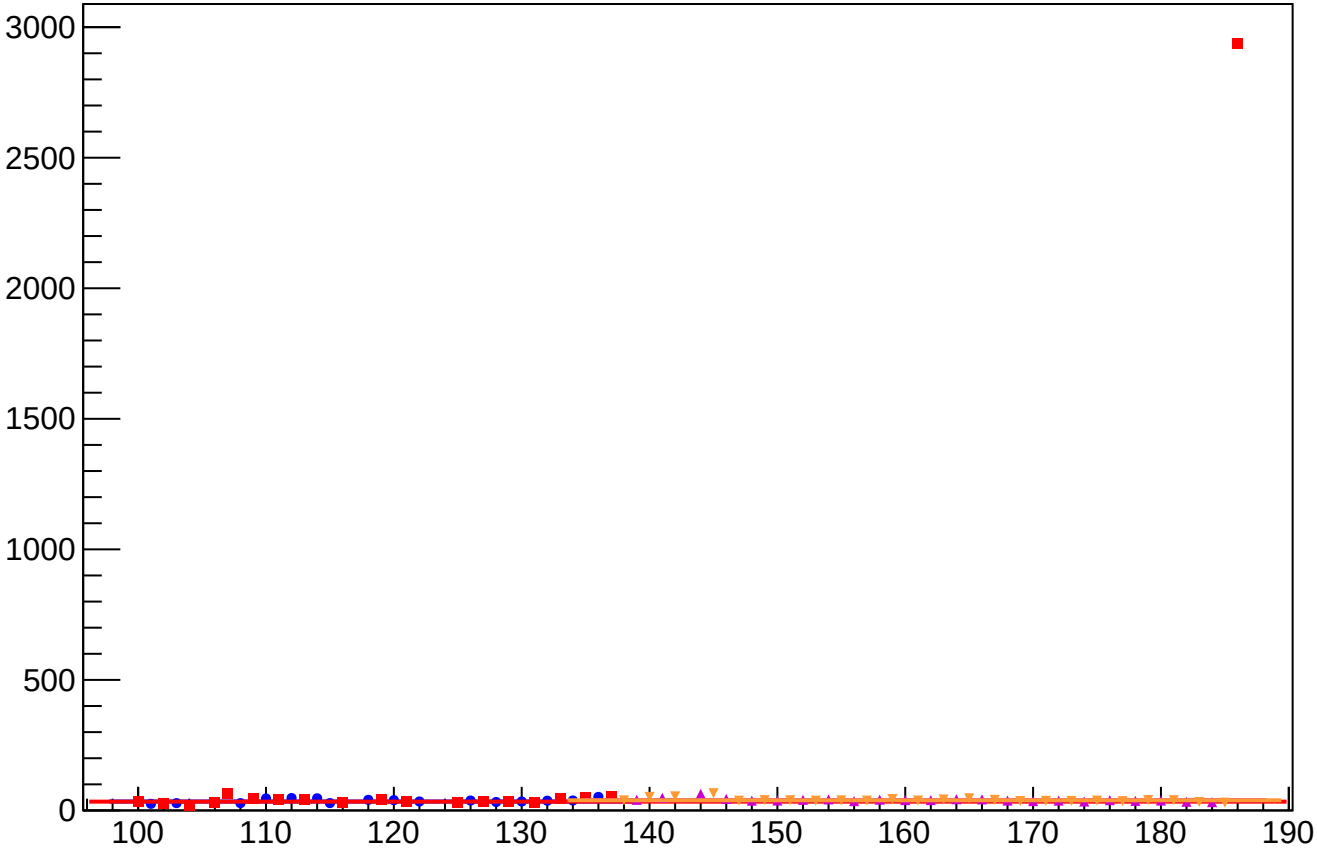
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.003+/-0.008 χ^2/NDF: 35.8/39

All: 0.004+/-0.006 χ^2/NDF: 73.5/81

- sign 0.011+/-0.008 χ^2/NDF: 36.1/41

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

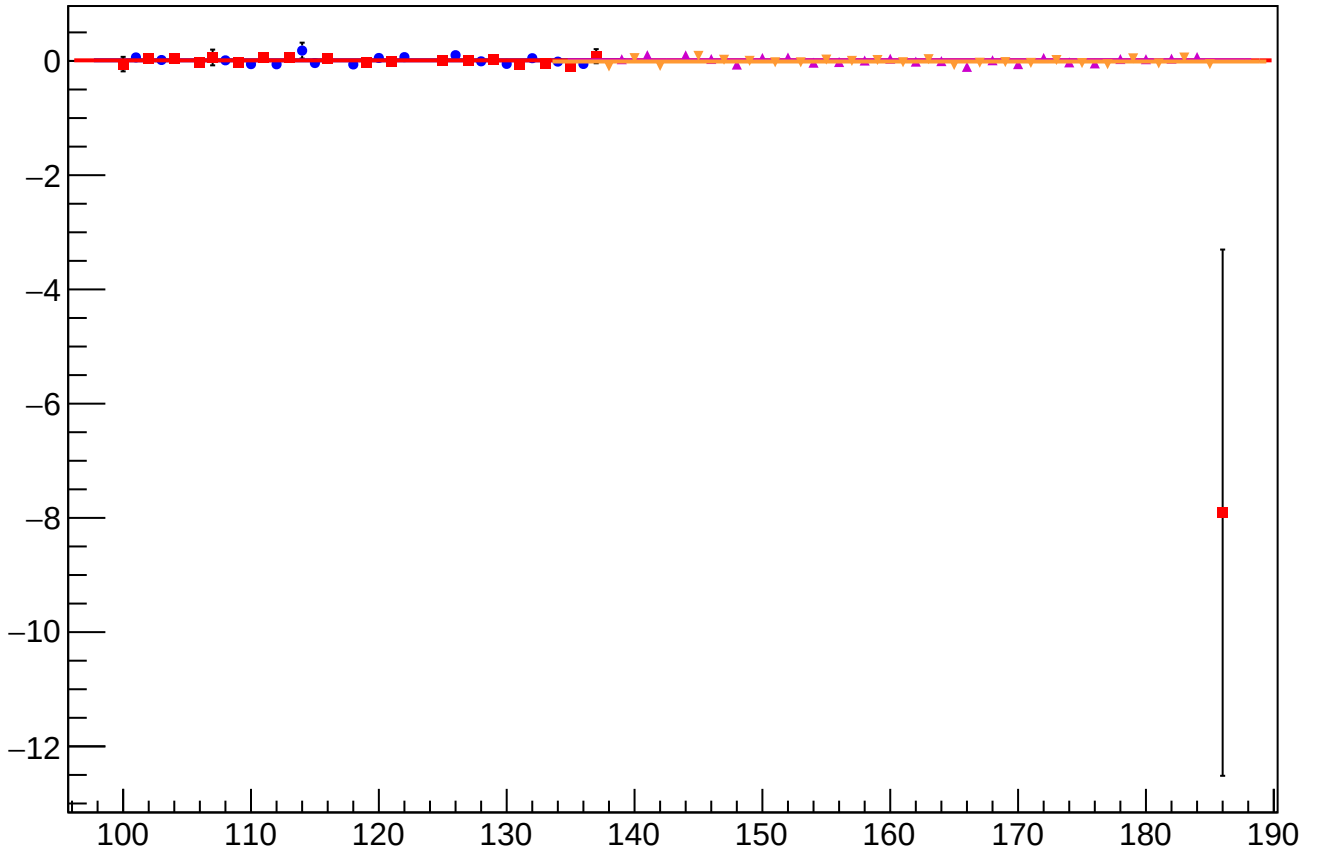
Right Out: 33.771+/-0.010 χ^2/NDF: 1707608.3/18

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 37.435+/-0.005 χ^2/NDF: 1422491.7/39

All: 37.399+/-0.004 χ^2/NDF: 3866994.0/81

- sign 37.362+/-0.006 χ^2/NDF: 2444414.9/41



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.011+/-0.013 χ^2/NDF: 12.9/18

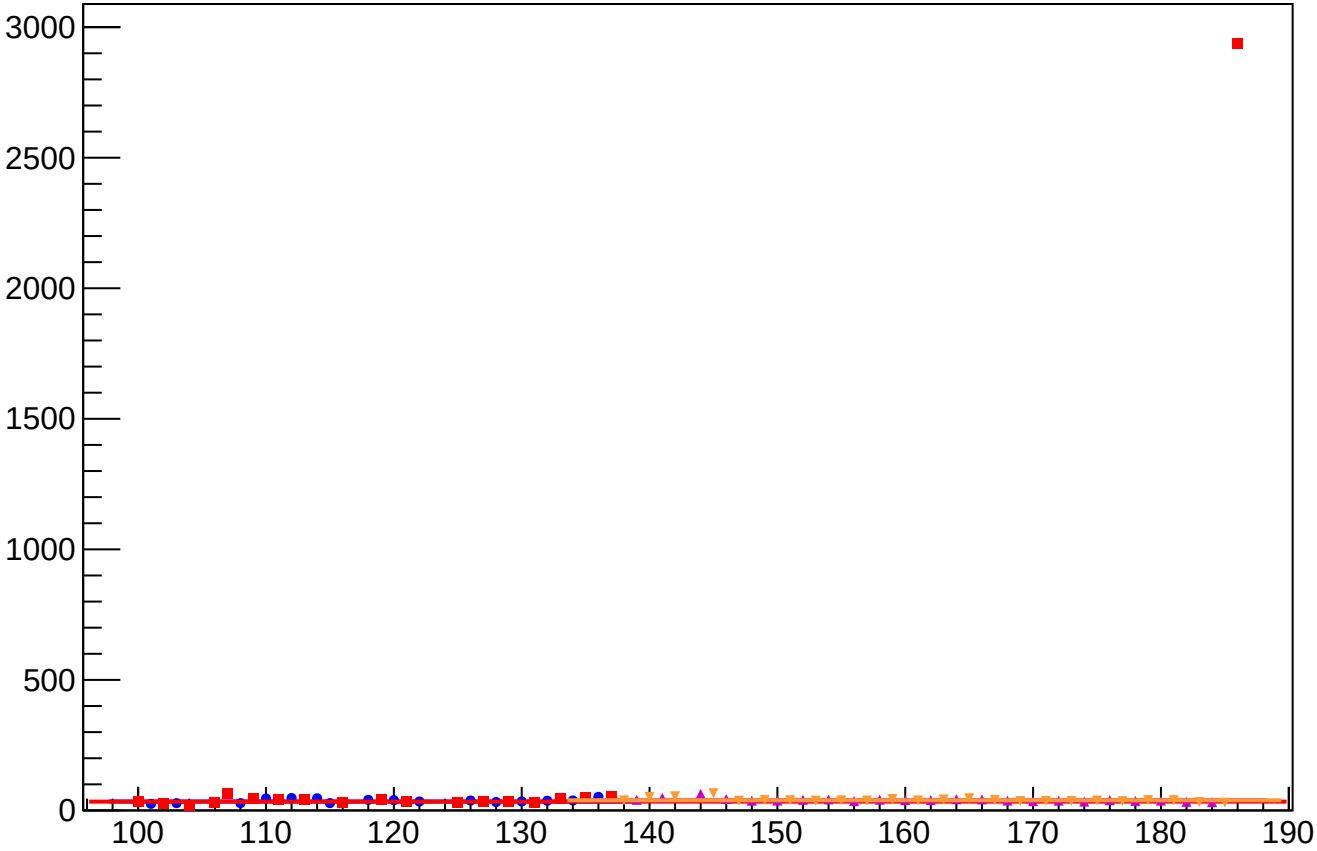
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.003+/-0.008 χ^2/NDF: 35.8/39

All: 0.004+/-0.006 χ^2/NDF: 73.5/81

- sign 0.011+/-0.008 χ^2/NDF: 36.1/41

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

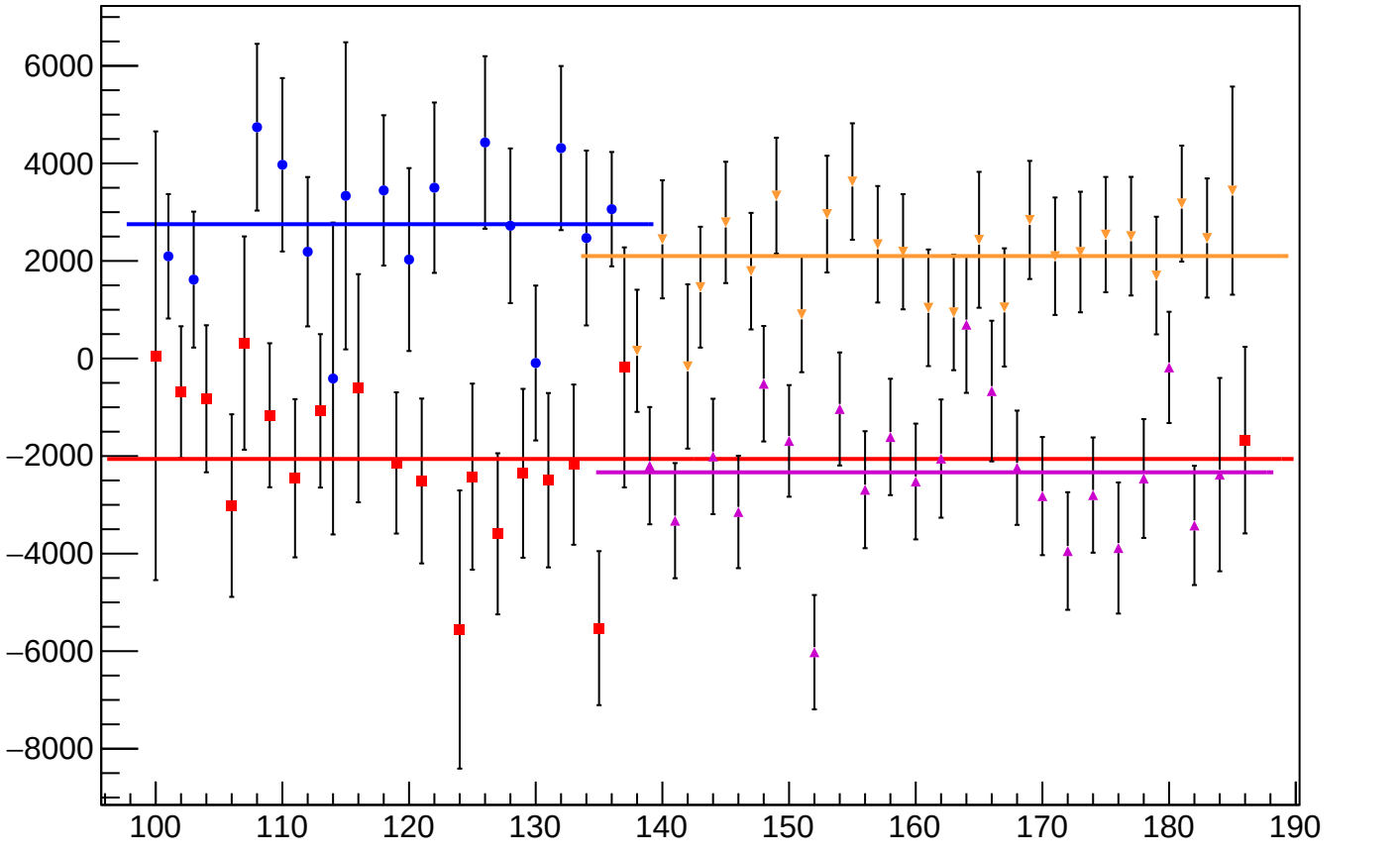
Right Out: 33.771+/-0.010 χ^2/NDF: 1707608.3/18

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 37.435+/-0.005 χ^2/NDF: 1422491.7/39

All: 37.399+/-0.004 χ^2/NDF: 3866994.0/81

- sign 37.362+/-0.006 χ^2/NDF: 2444414.9/41



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2059.270+/-395.087 χ^2/NDF: 12.6/19

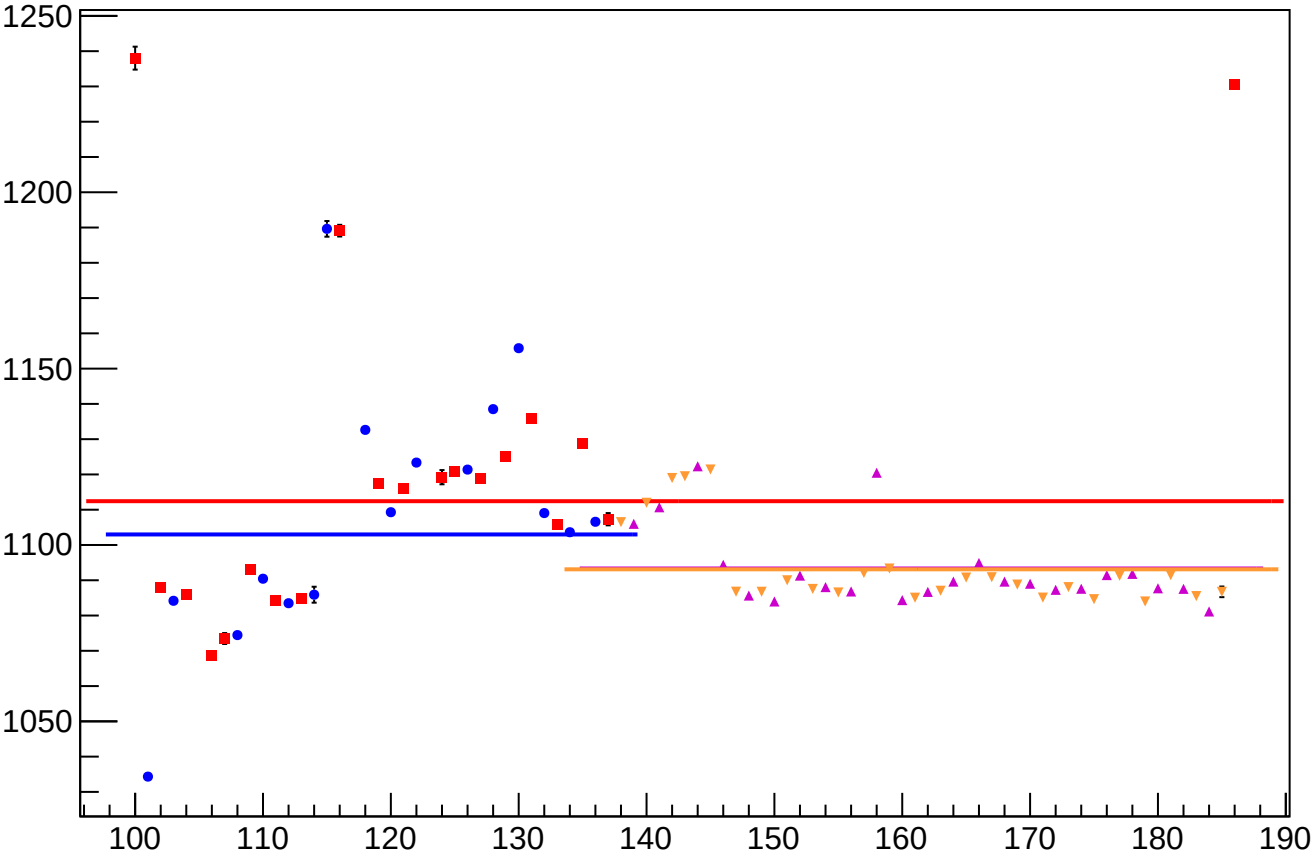
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2275.661+/-212.369 χ^2/NDF: 25.2/40

All: 33.395+/-150.887 χ^2/NDF: 292.7/83

- sign -2252.345+/-214.418 χ^2/NDF: 42.4/42

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

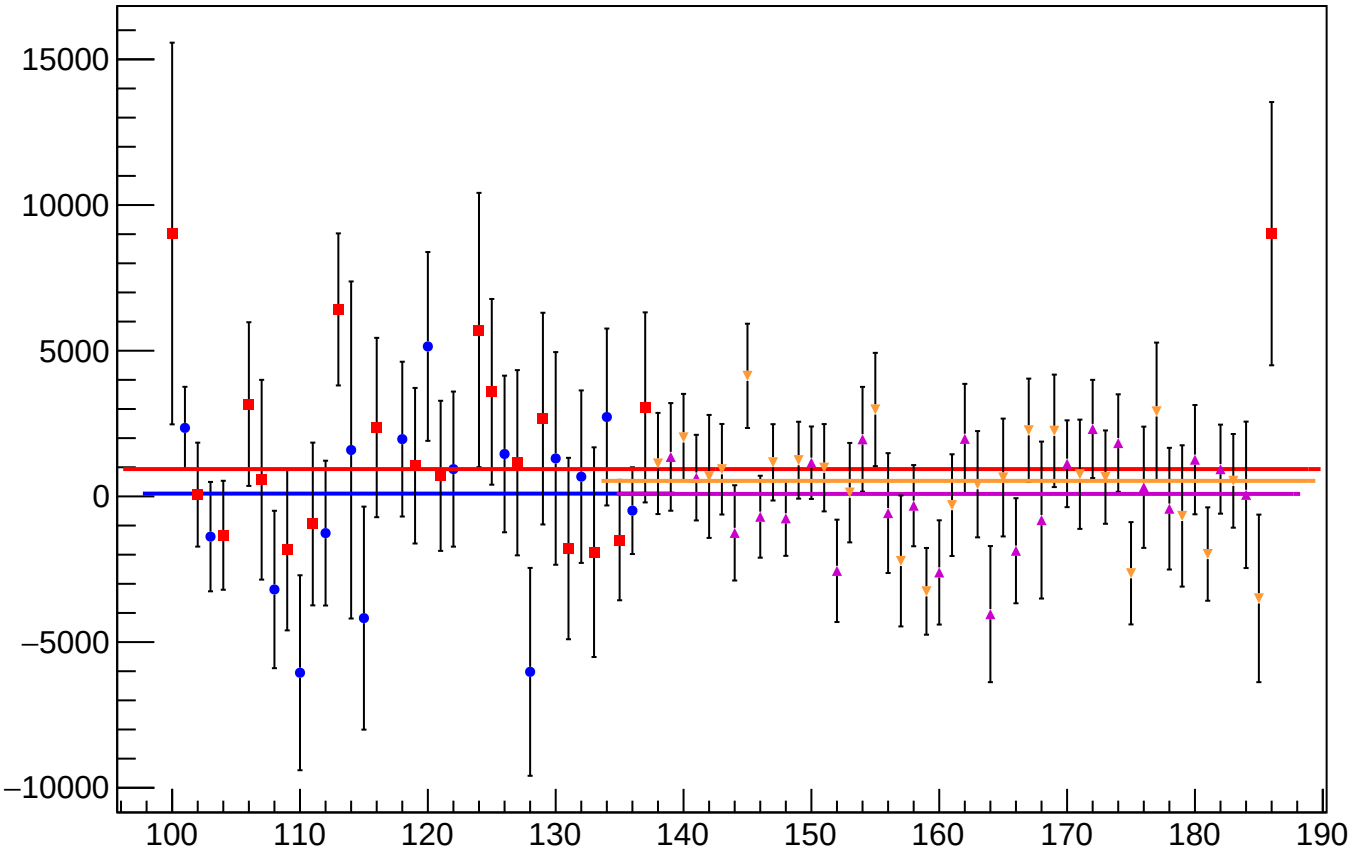
Right Out: 1112.418+/-0.279 χ^2/NDF: 16634.5/19

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.757+/-0.150 χ^2/NDF: 18058.1/40

All: 1097.342+/-0.107 χ^2/NDF: 41934.0/83

- sign 1098.958+/-0.152 χ^2/NDF: 23650.8/42



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 937.621+/-630.728 χ^2/NDF: 18.3/19

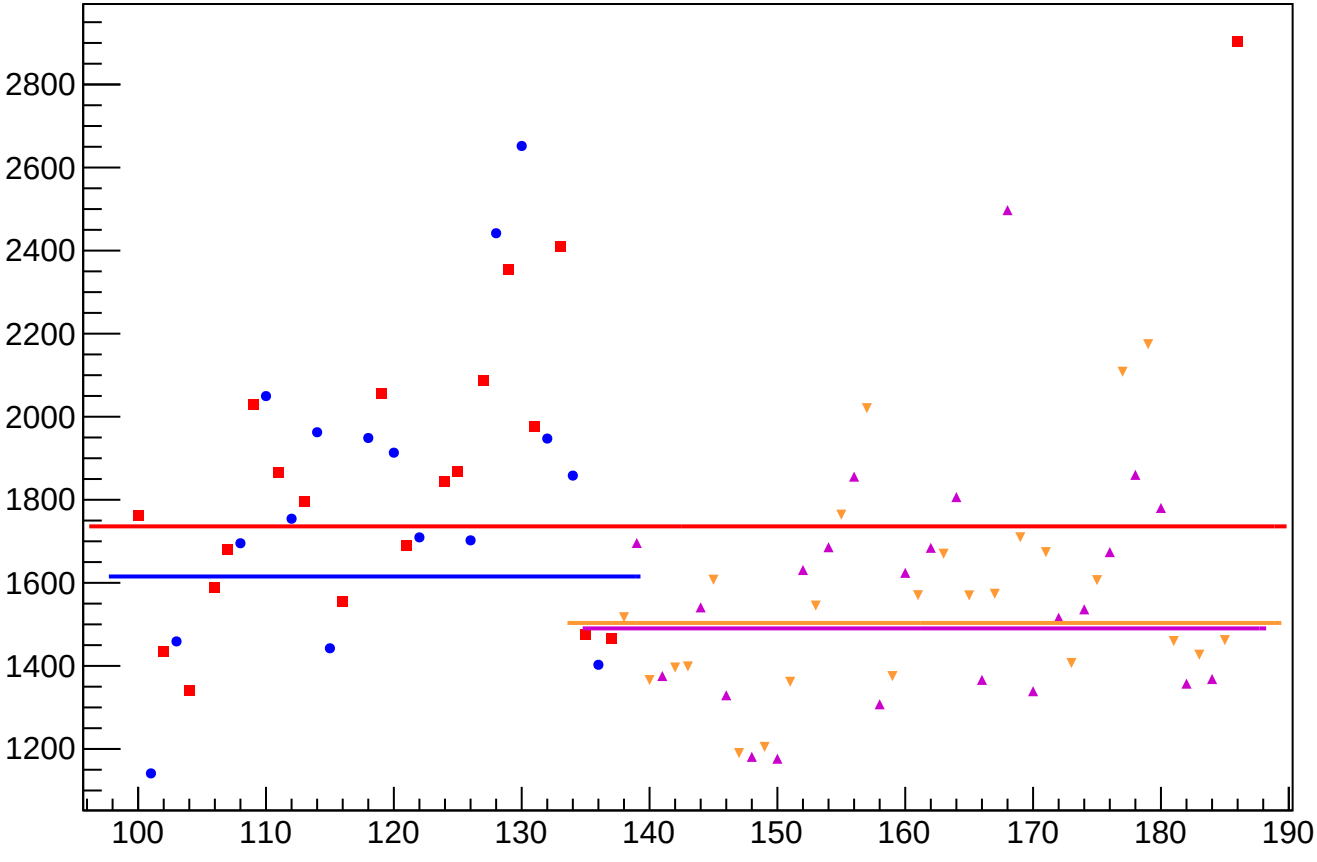
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 428.149+/-302.726 χ^2/NDF: 43.7/40

All: 360.138+/-216.126 χ^2/NDF: 81.6/83

- sign 289.436+/-308.657 χ^2/NDF: 37.8/42

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1735.984+/-0.446 χ^2/NDF: 564017.2/19

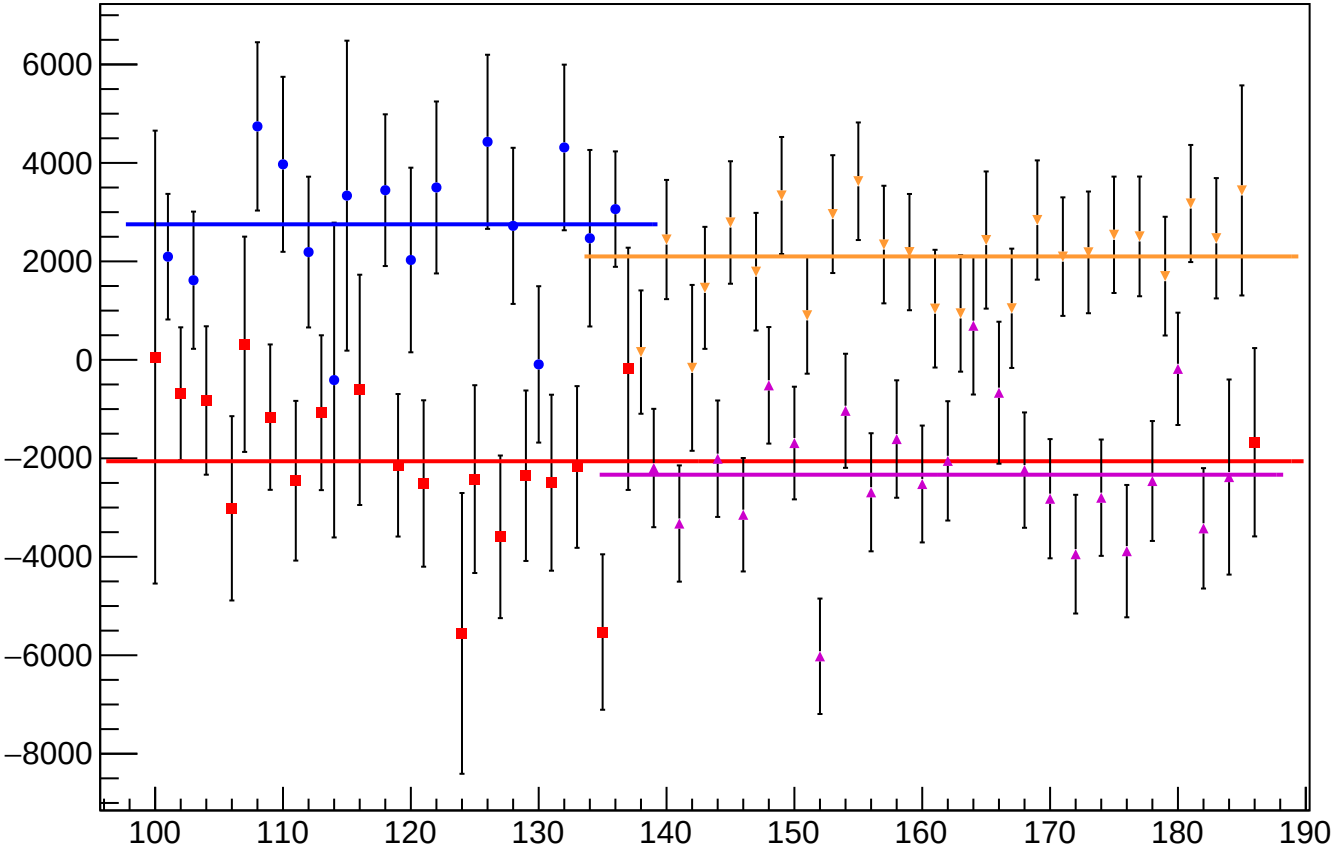
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1530.274+/-0.214 χ^2/NDF: 1543108.6/40

All: 1539.528+/-0.153 χ^2/NDF: 3309918.5/83

- sign 1549.147+/-0.218 χ^2/NDF: 1762998.4/42

cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2059.270+/-395.087 χ^2/NDF: 12.6/19

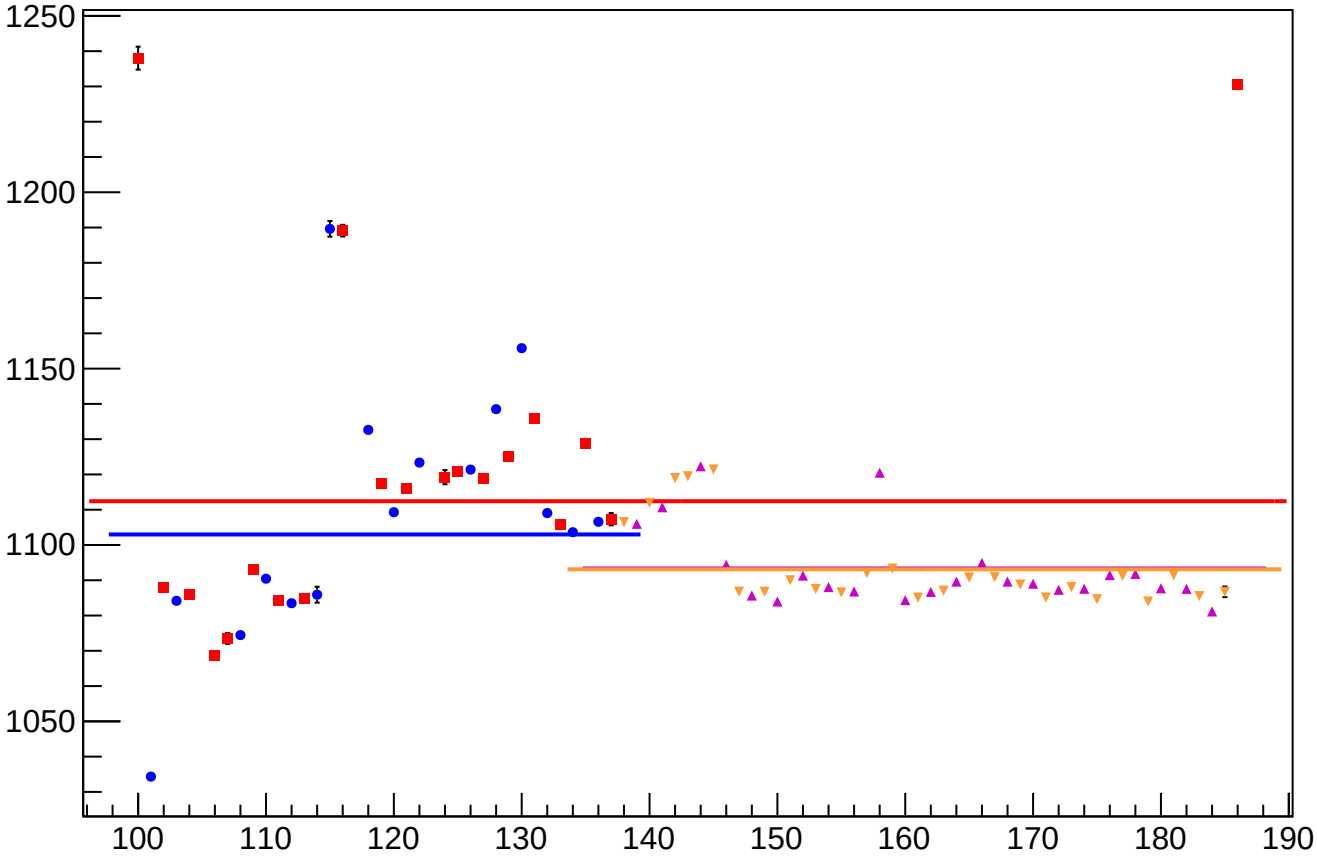
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2275.661+/-212.369 χ^2/NDF: 25.2/40

All: 33.395+/-150.887 χ^2/NDF: 292.7/83

- sign -2252.345+/-214.418 χ^2/NDF: 42.4/42

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

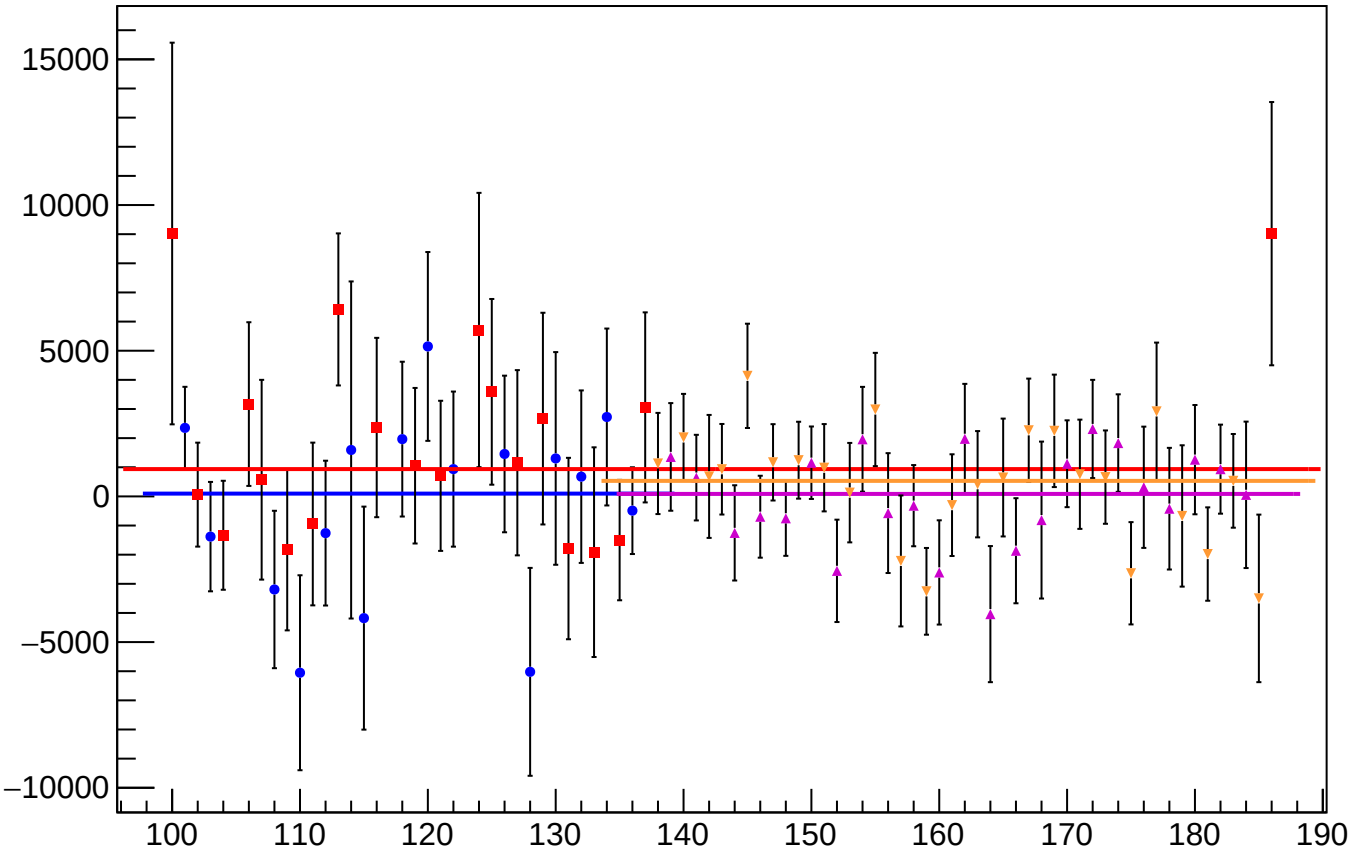
Right Out: 1112.418+/-0.279 χ^2/NDF: 16634.5/19

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.757+/-0.150 χ^2/NDF: 18058.1/40

All: 1097.342+/-0.107 χ^2/NDF: 41934.0/83

- sign 1098.958+/-0.152 χ^2/NDF: 23650.8/42



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 937.621+/-630.728 χ^2/NDF: 18.3/19

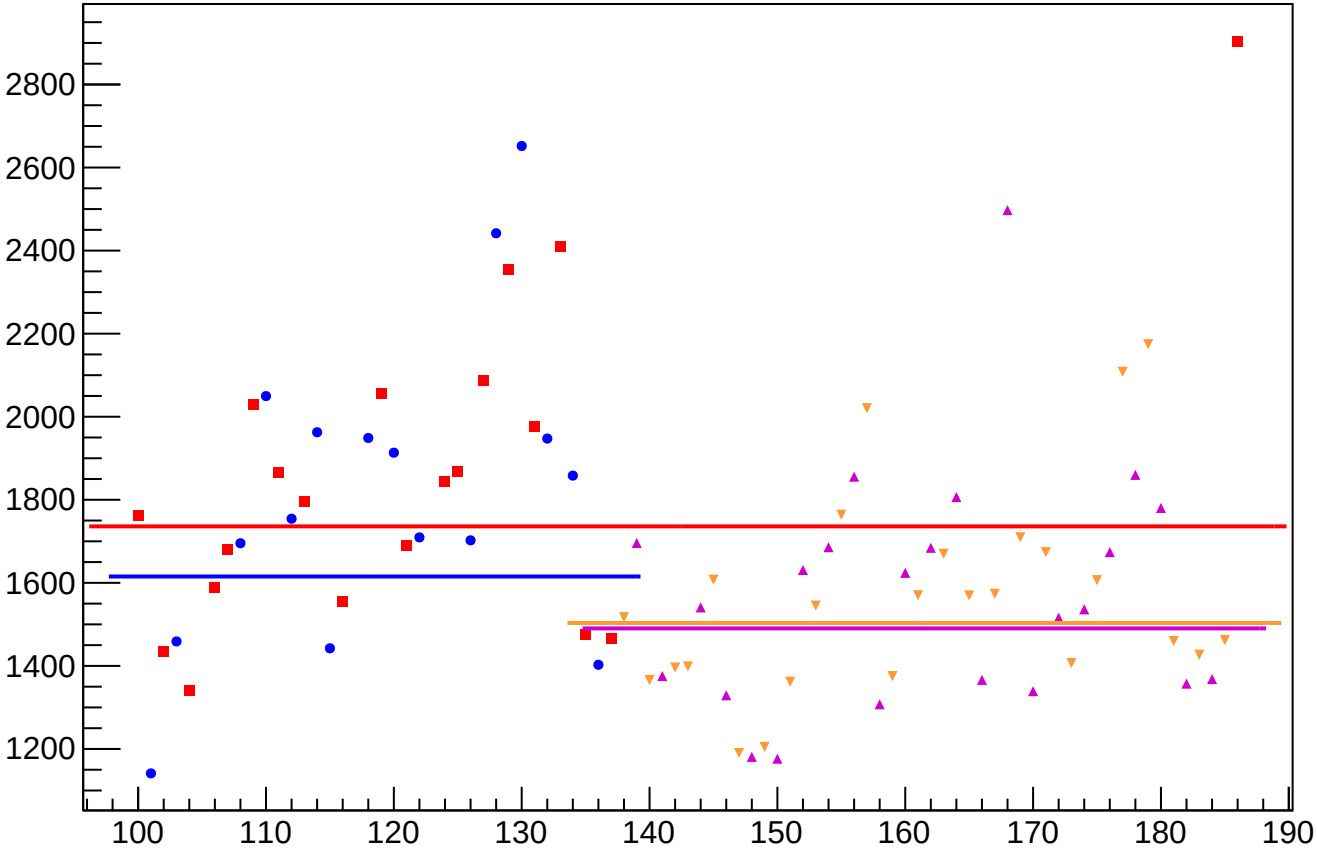
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 428.149+/-302.726 χ^2/NDF: 43.7/40

All: 360.138+/-216.126 χ^2/NDF: 81.6/83

- sign 289.436+/-308.657 χ^2/NDF: 37.8/42

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

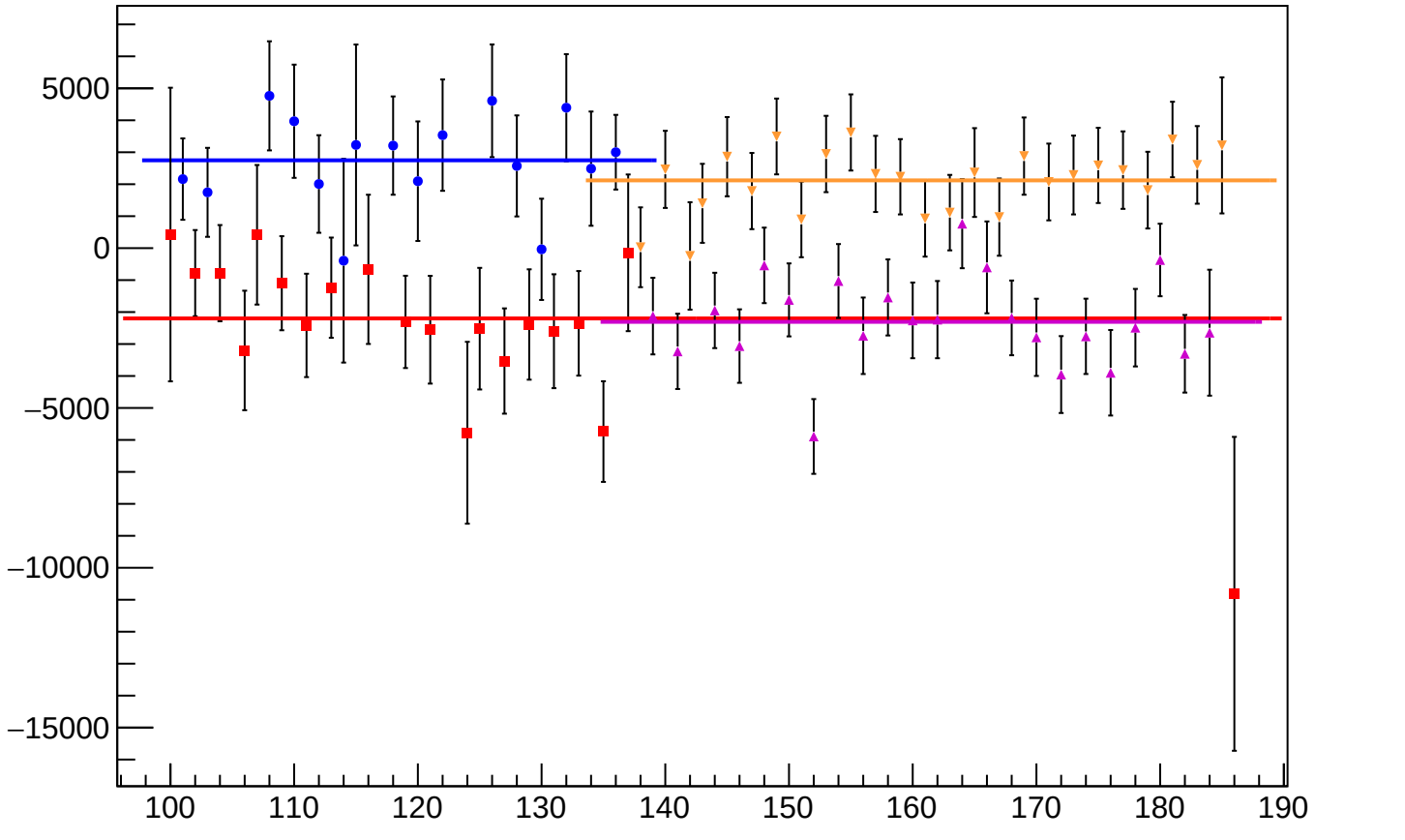
Right Out: 1735.984+/-0.446 χ^2/NDF: 564017.2/19

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1530.274+/-0.214 χ^2/NDF: 1543108.6/40

All: 1539.528+/-0.153 χ^2/NDF: 3309918.5/83

- sign 1549.147+/-0.218 χ^2/NDF: 1762998.4/42



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2199.149+/-401.440 χ^2/NDF: 16.7/19

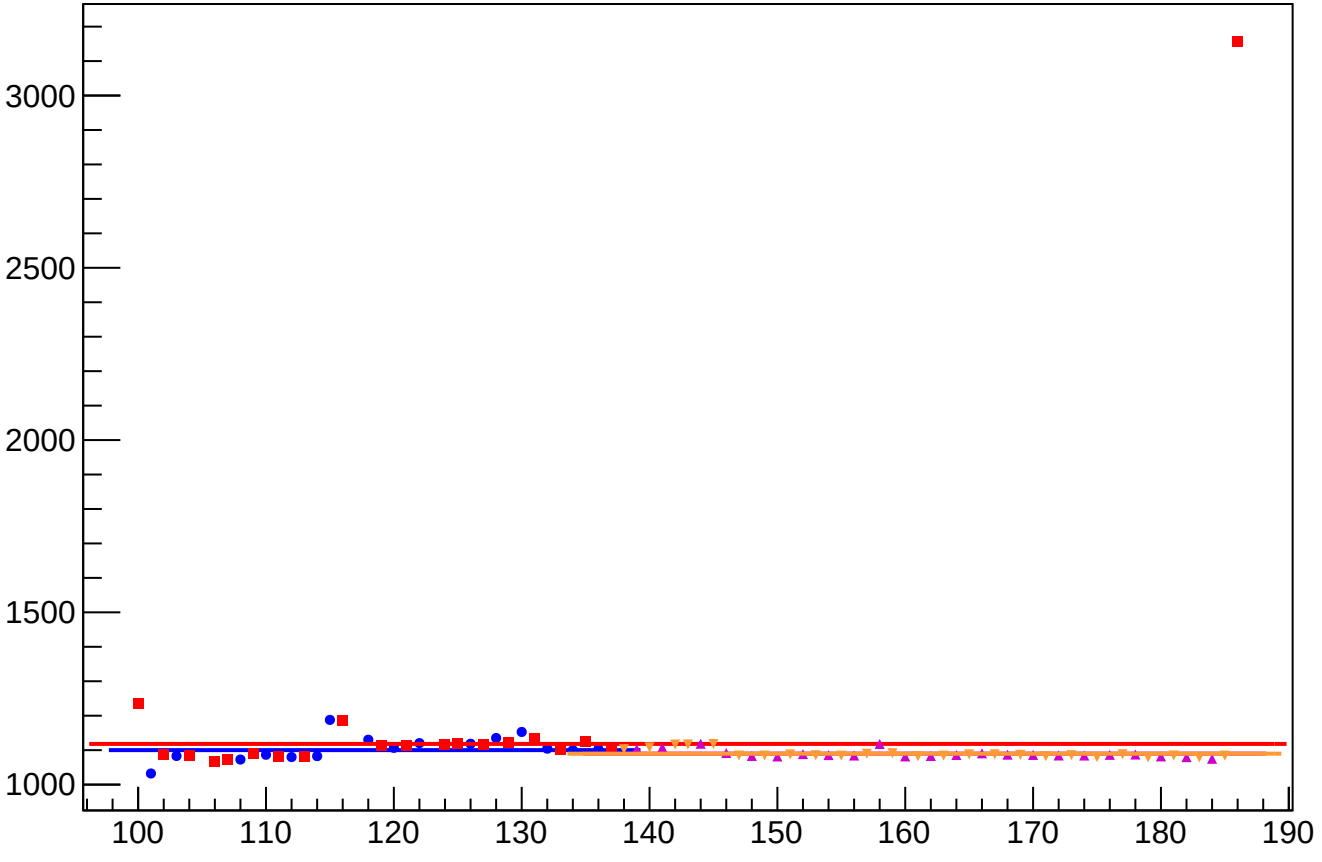
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2288.479+/-211.742 χ^2/NDF: 26.4/40

All: 40.999+/-150.843 χ^2/NDF: 300.3/83

- sign -2274.948+/-214.943 χ^2/NDF: 45.2/42

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

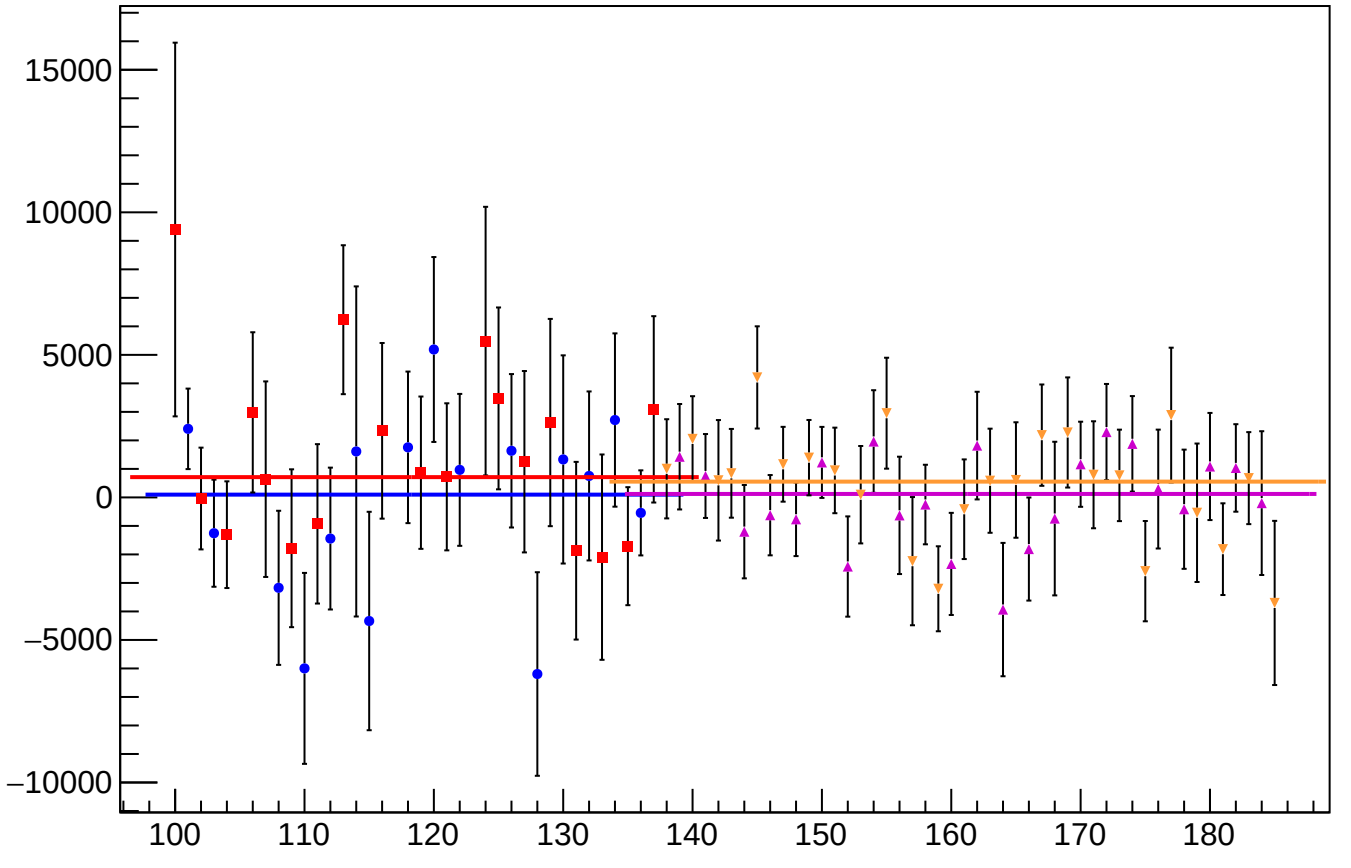
Right Out: 1118.115+/-0.284 χ^2/NDF: 355296.7/19

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1092.520+/-0.150 χ^2/NDF: 18072.4/40

All: 1095.236+/-0.107 χ^2/NDF: 384948.4/83

- sign 1098.035+/-0.152 χ^2/NDF: 366208.0/42



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

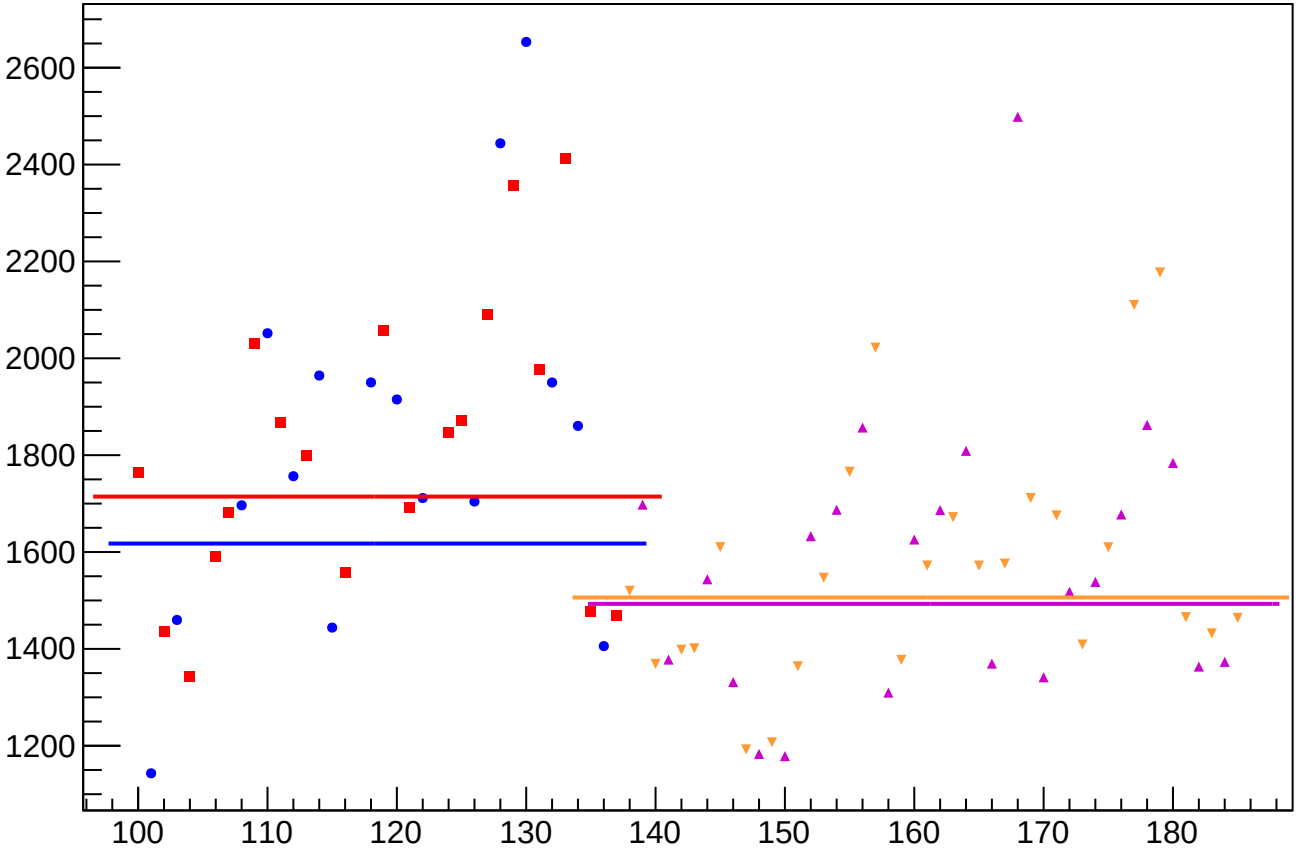
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 444.225+/-303.209 χ^2/NDF: 43.8/40

All: 354.470+/-216.713 χ^2/NDF: 76.7/82

- sign 260.735+/-309.857 χ^2/NDF: 32.7/41

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

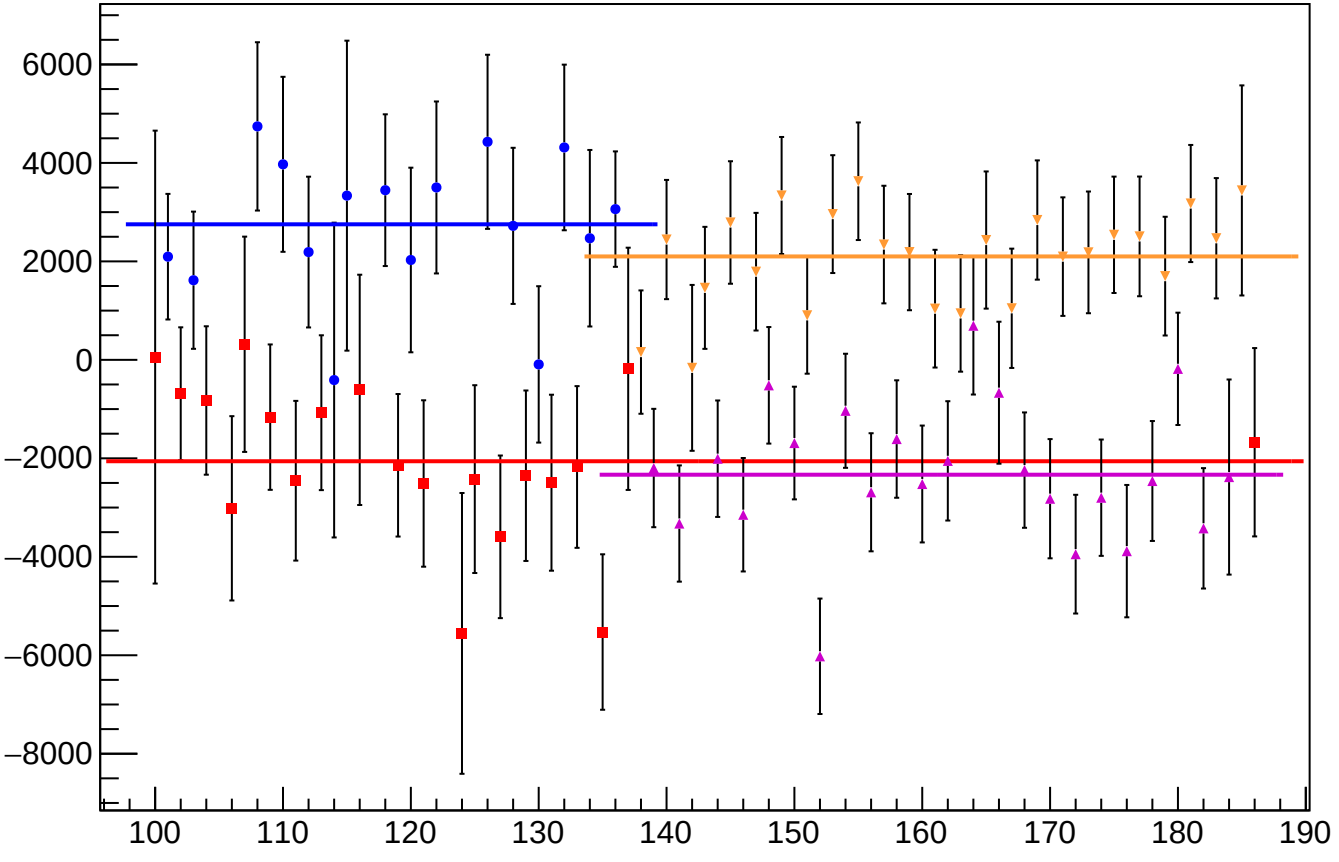
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1532.840+/-0.214 χ^2/NDF: 1537364.3/40

All: 1538.934+/-0.153 χ^2/NDF: 3115505.6/82

- sign 1545.297+/-0.219 χ^2/NDF: 1576490.0/41

eigen_cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2059.270+/-395.087 χ^2/NDF: 12.6/19

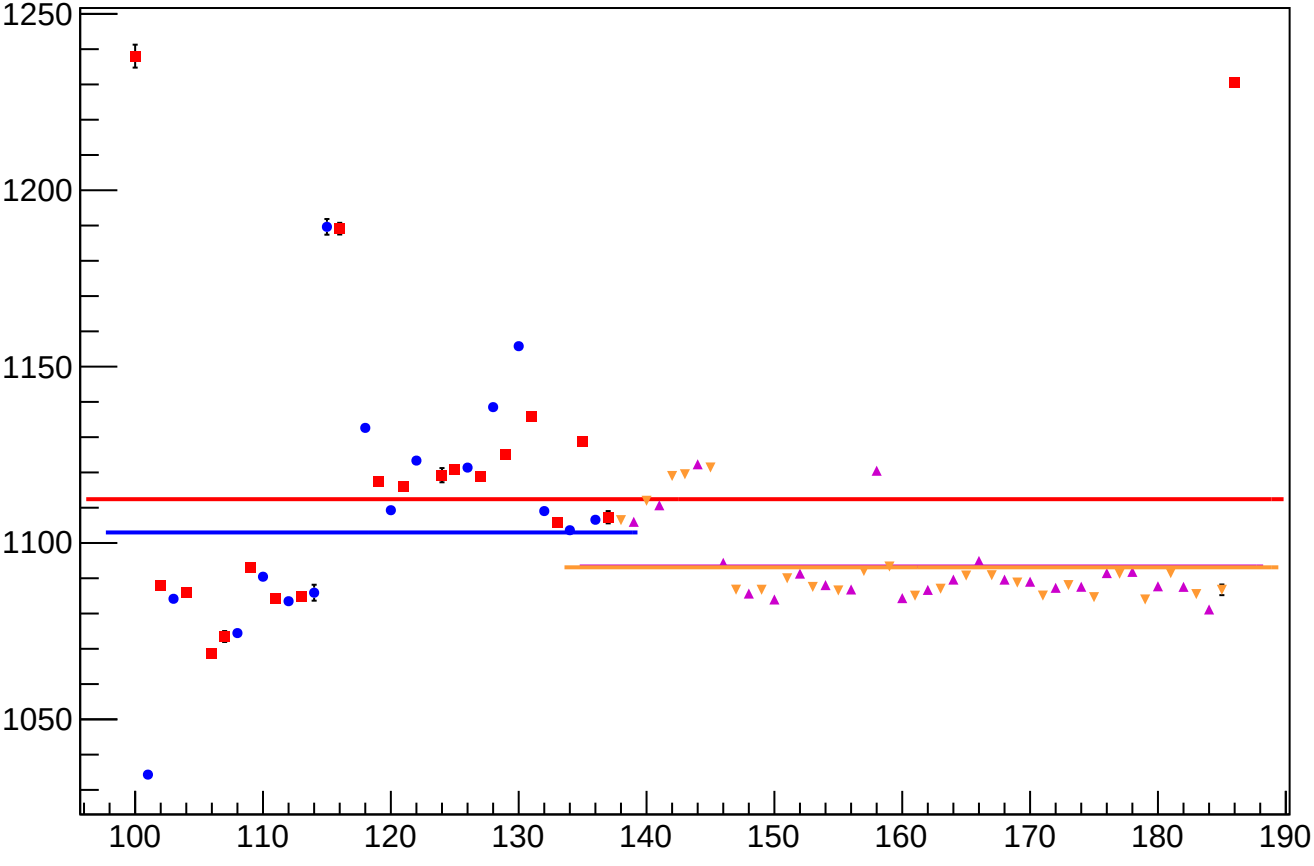
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2275.661+/-212.369 χ^2/NDF: 25.2/40

All: 33.395+/-150.887 χ^2/NDF: 292.7/83

- sign -2252.345+/-214.418 χ^2/NDF: 42.4/42

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

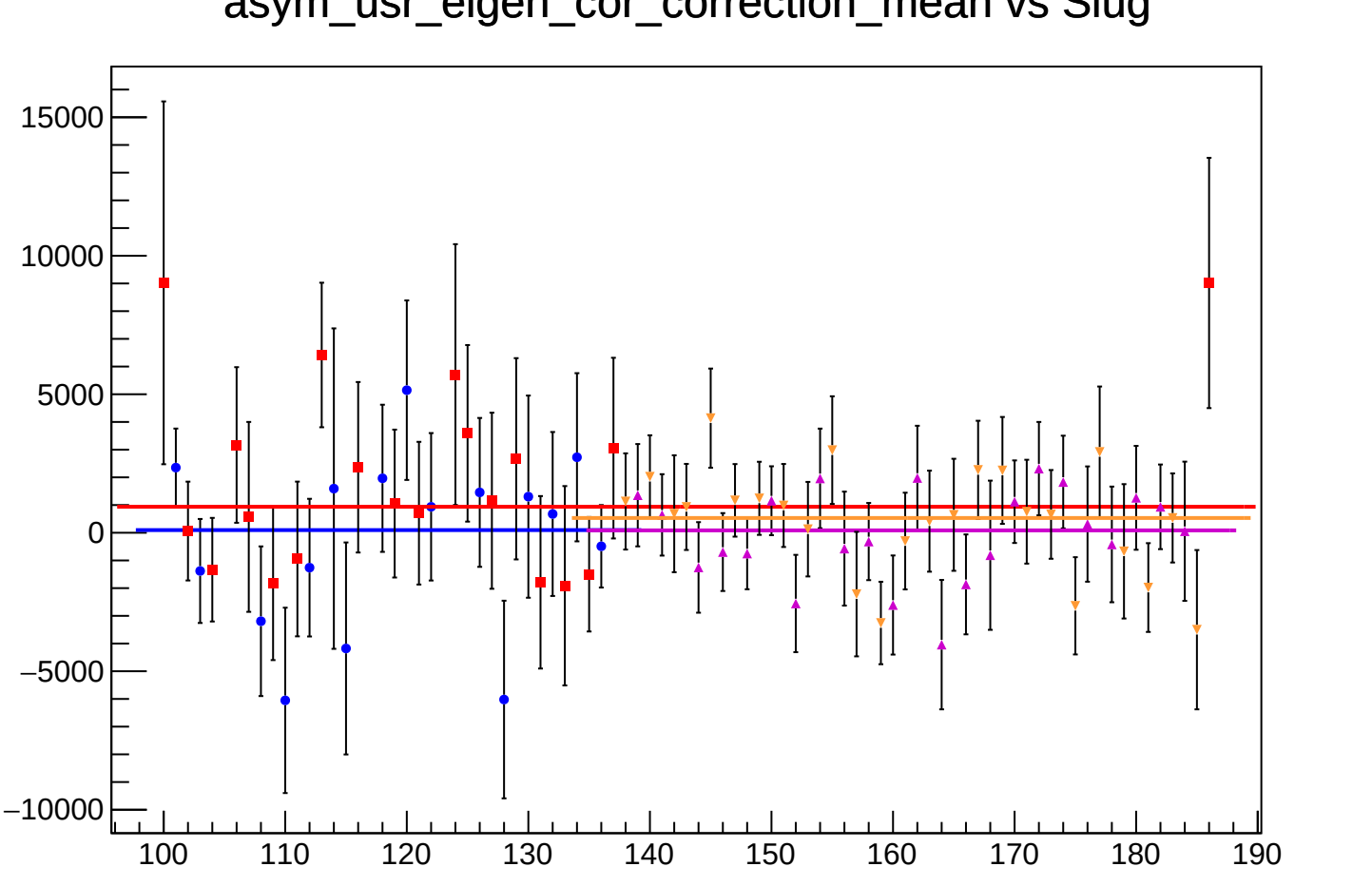
Right Out: 1112.418+/-0.279 χ^2/NDF: 16634.5/19

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.757+/-0.150 χ^2/NDF: 18058.1/40

All: 1097.342+/-0.107 χ^2/NDF: 41934.0/83

- sign 1098.958+/-0.152 χ^2/NDF: 23650.8/42



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 937.621+/-630.728 χ^2/NDF: 18.3/19

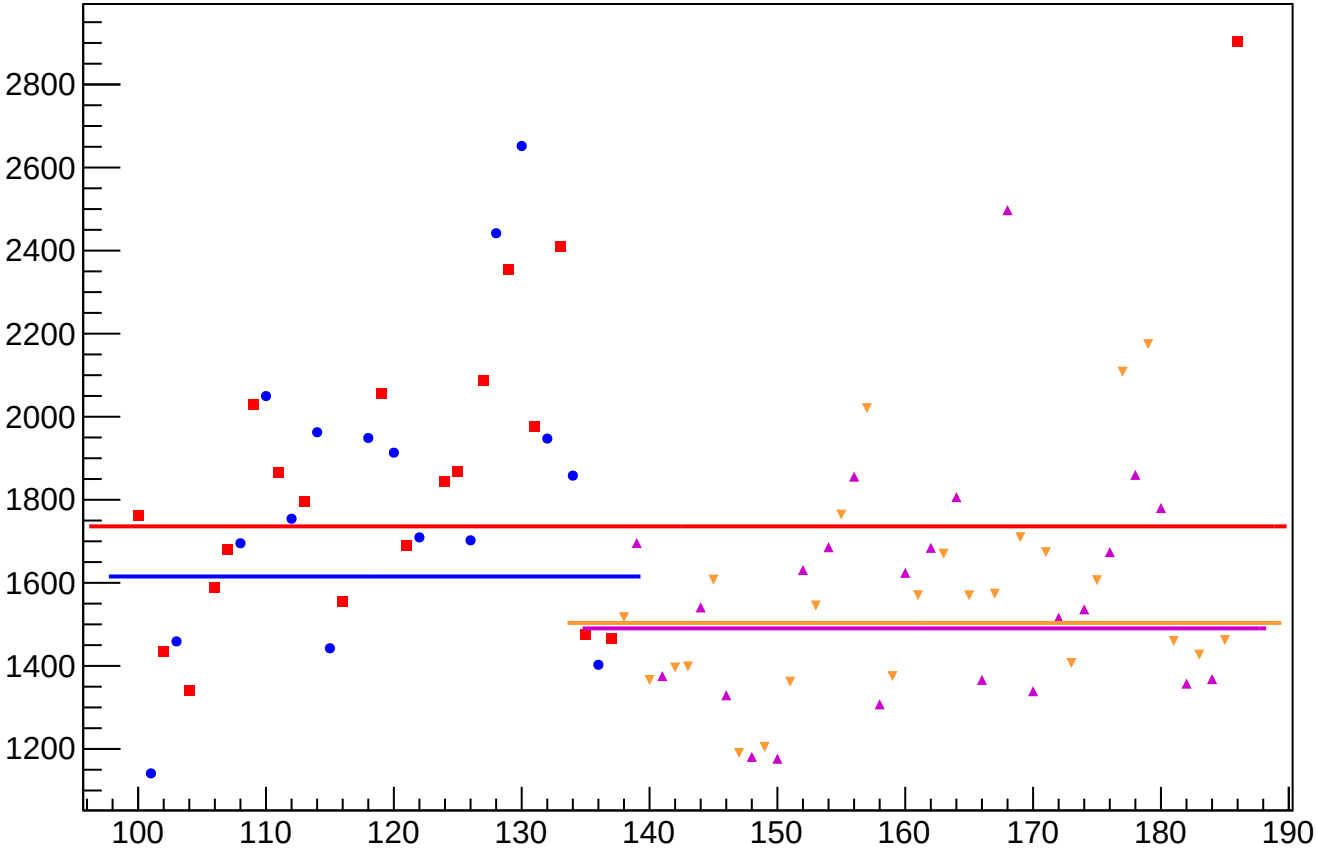
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 428.149+/-302.726 χ^2/NDF: 43.7/40

All: 360.138+/-216.126 χ^2/NDF: 81.6/83

- sign 289.436+/-308.657 χ^2/NDF: 37.8/42

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1735.984+/-0.446 χ^2/NDF: 564017.2/19

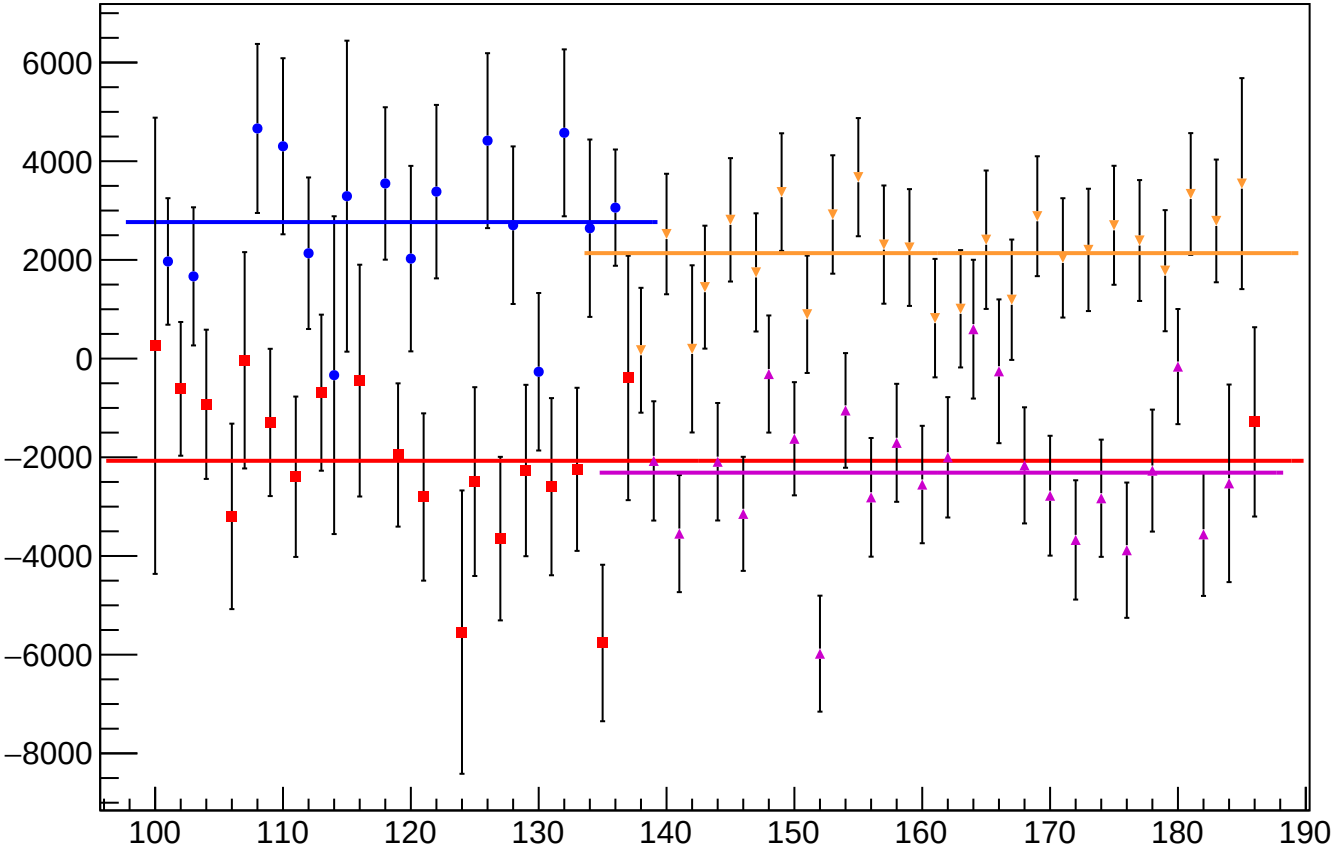
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1530.274+/-0.214 χ^2/NDF: 1543108.6/40

All: 1539.528+/-0.153 χ^2/NDF: 3309918.5/83

- sign 1549.147+/-0.218 χ^2/NDF: 1762998.4/42

dit_asym_usr_mean vs Slug



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -2071.103+/-396.813 χ^2/NDF: 13.5/19

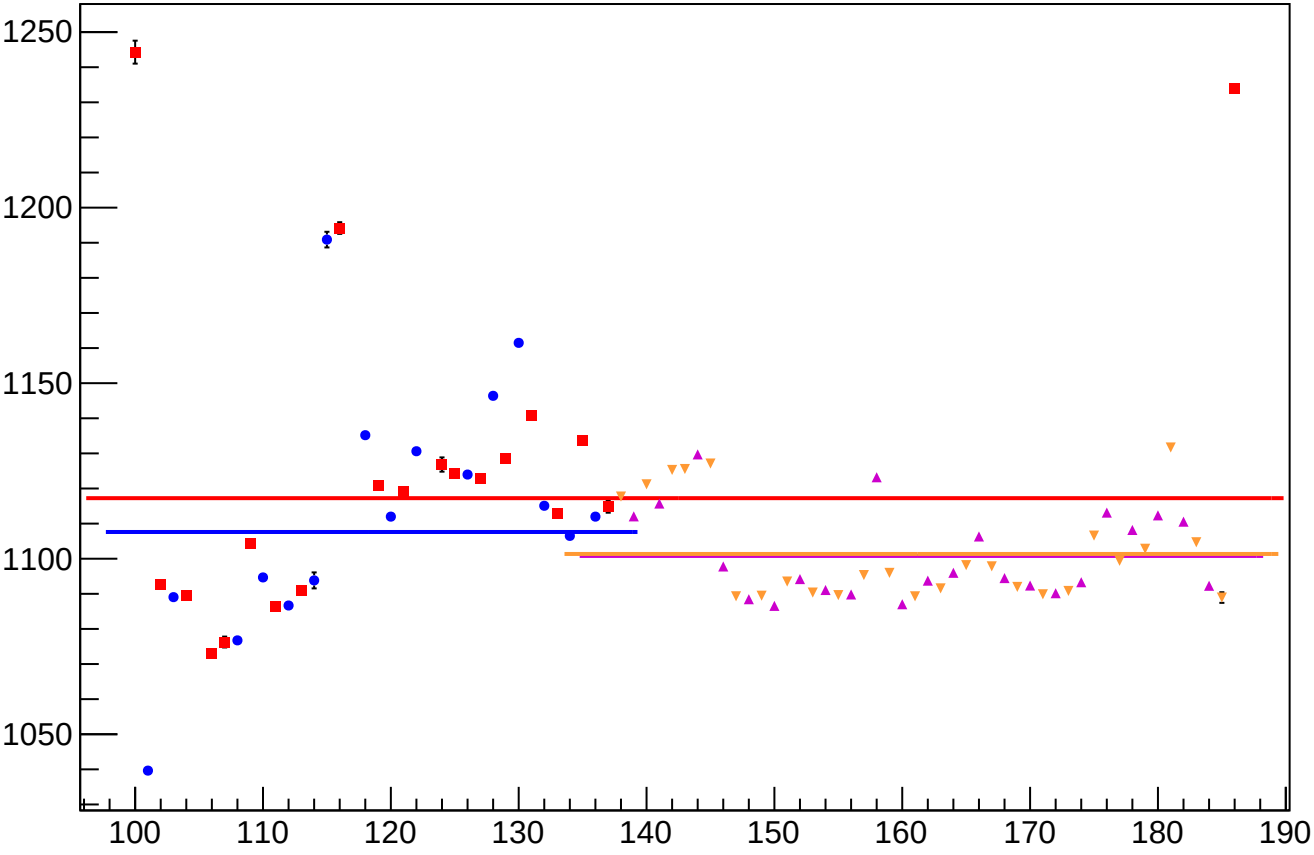
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2307.040+/-213.790 χ^2/NDF: 26.0/40

All: 53.758+/-151.854 χ^2/NDF: 293.9/83

- sign -2240.631+/-215.731 χ^2/NDF: 43.7/42

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1117.247+/-0.281 χ^2/NDF: 16388.4/19

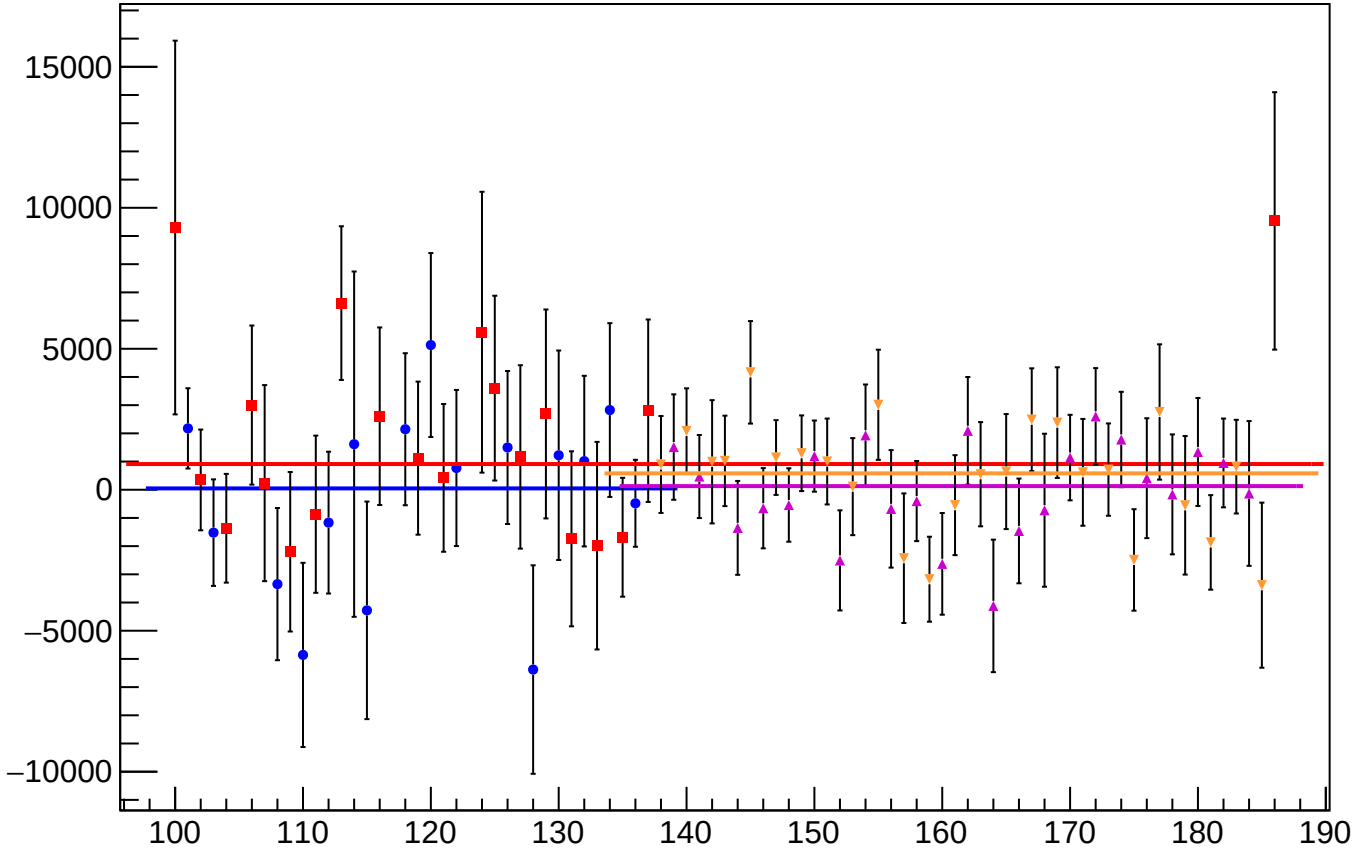
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.043+/-0.151 χ^2/NDF: 19509.3/40

All: 1104.337+/-0.107 χ^2/NDF: 43110.0/83

- sign 1105.656+/-0.153 χ^2/NDF: 23452.7/42

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 911.813+/-641.370 χ^2/NDF: 18.6/19

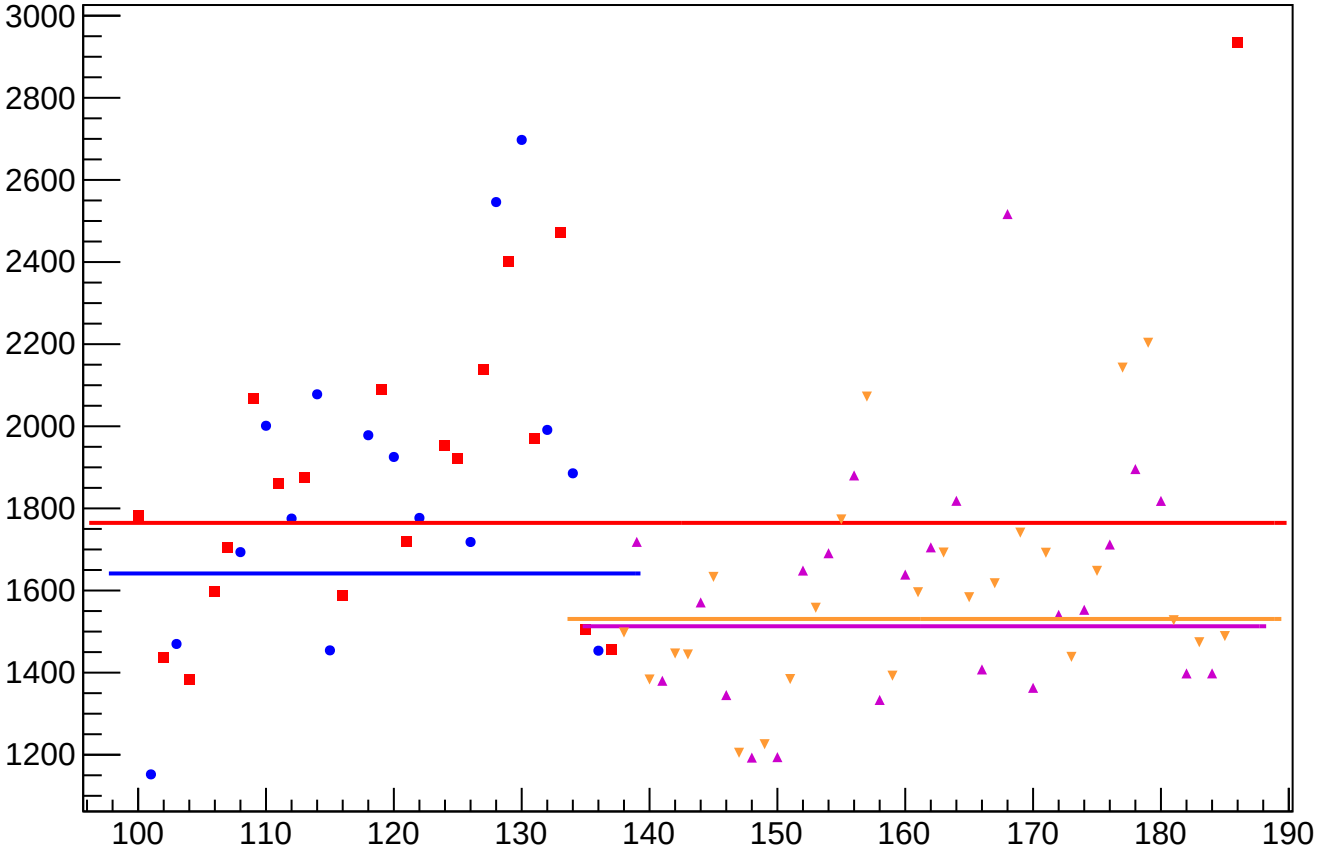
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 453.113+/-307.983 χ^2/NDF: 42.8/40

All: 385.582+/-219.650 χ^2/NDF: 80.5/83

- sign 315.677+/-313.350 χ^2/NDF: 37.6/42

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 1764.735+/-0.454 χ^2/NDF: 572076.5/19

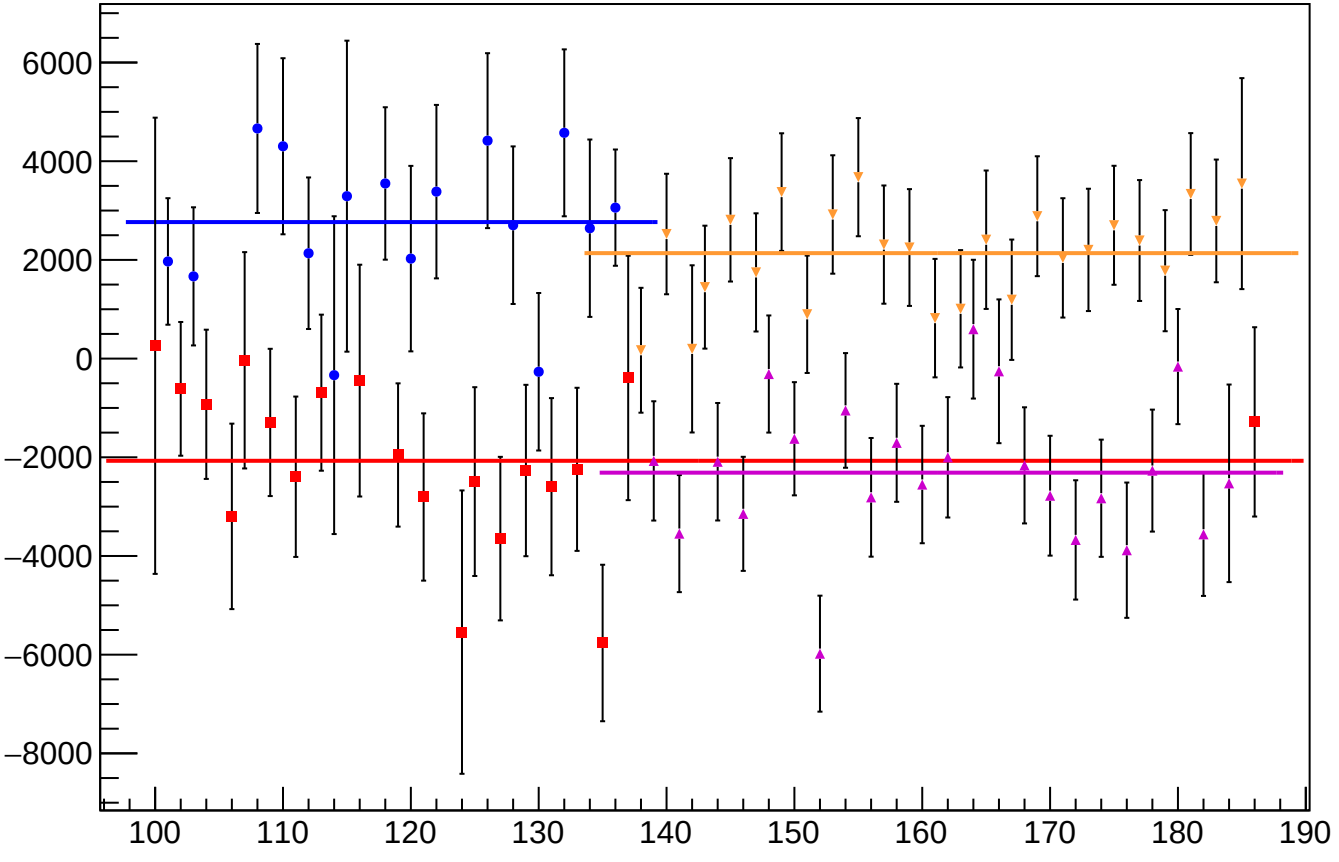
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1557.401+/-0.218 χ^2/NDF: 1544200.8/40

All: 1565.089+/-0.155 χ^2/NDF: 3310535.1/83

- sign 1573.047+/-0.222 χ^2/NDF: 1763798.1/42

eigen_dit_asym_usr_mean vs Slug



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -2071.106+/-396.813 χ^2/NDF: 13.5/19

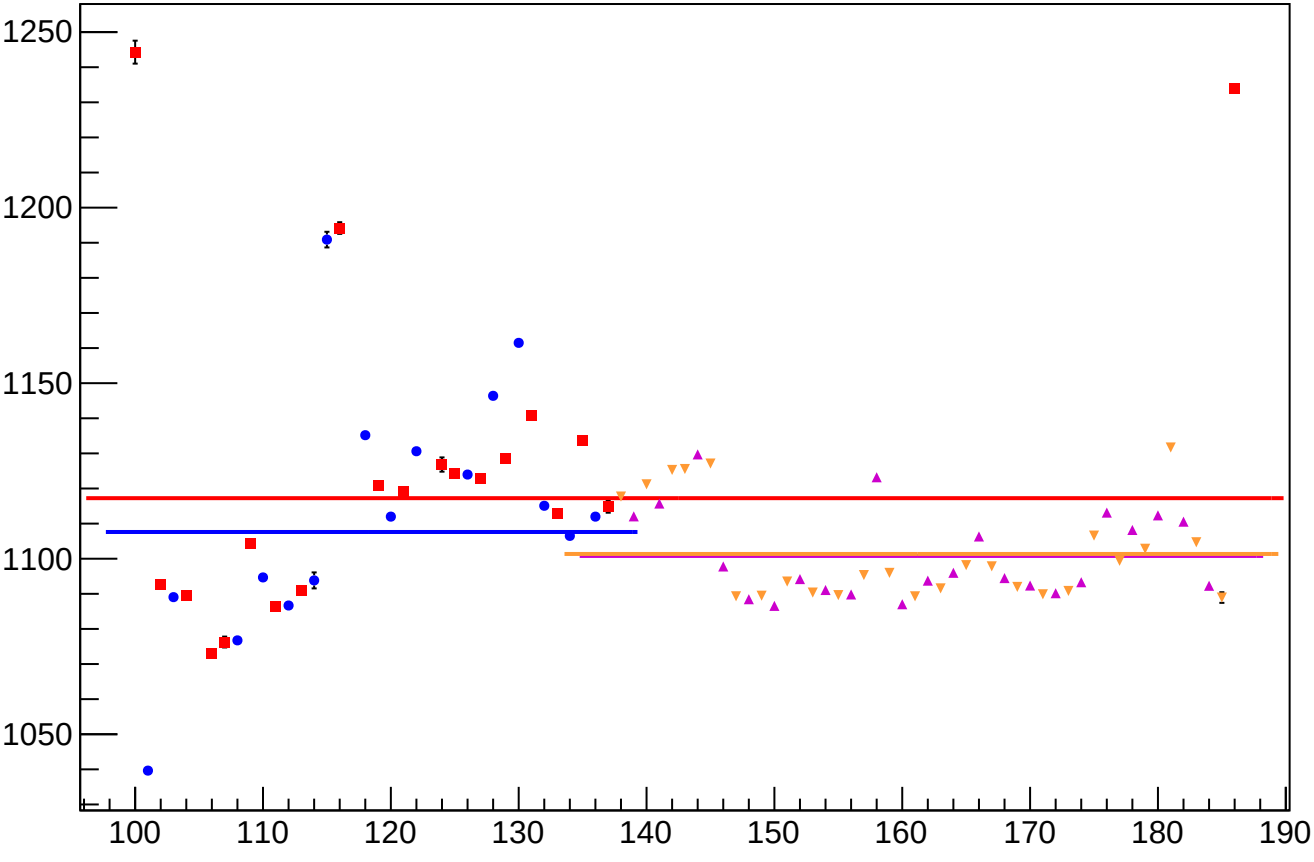
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2307.038+/-213.790 χ^2/NDF: 26.0/40

All: 53.757+/-151.854 χ^2/NDF: 293.9/83

- sign -2240.631+/-215.731 χ^2/NDF: 43.7/42

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

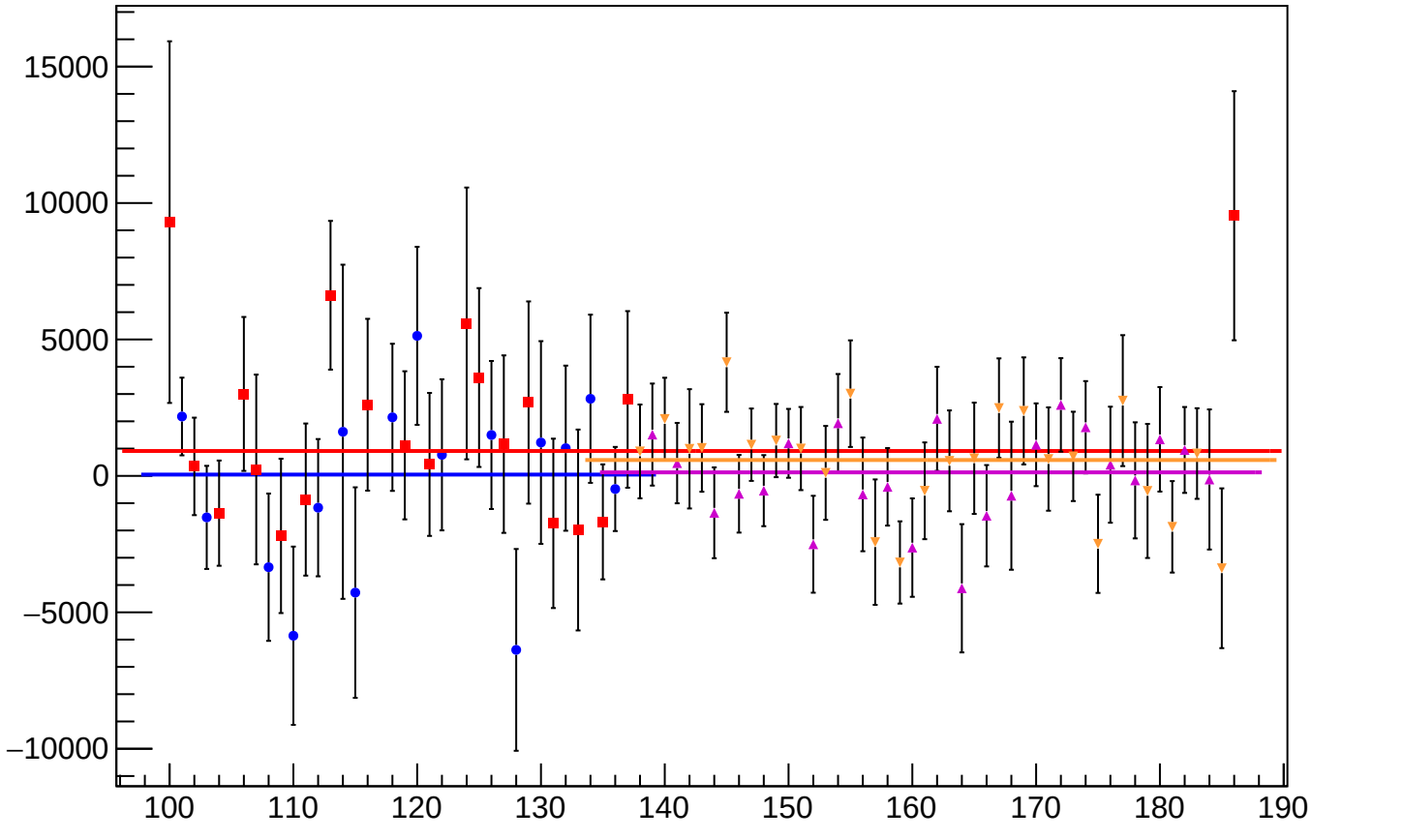
Right Out: 1117.247+/-0.281 χ^2/NDF: 16388.4/19

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.043+/-0.151 χ^2/NDF: 19509.1/40

All: 1104.337+/-0.107 χ^2/NDF: 43109.8/83

- sign 1105.656+/-0.153 χ^2/NDF: 23452.6/42



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 911.816+/-641.369 χ^2/NDF: 18.6/19

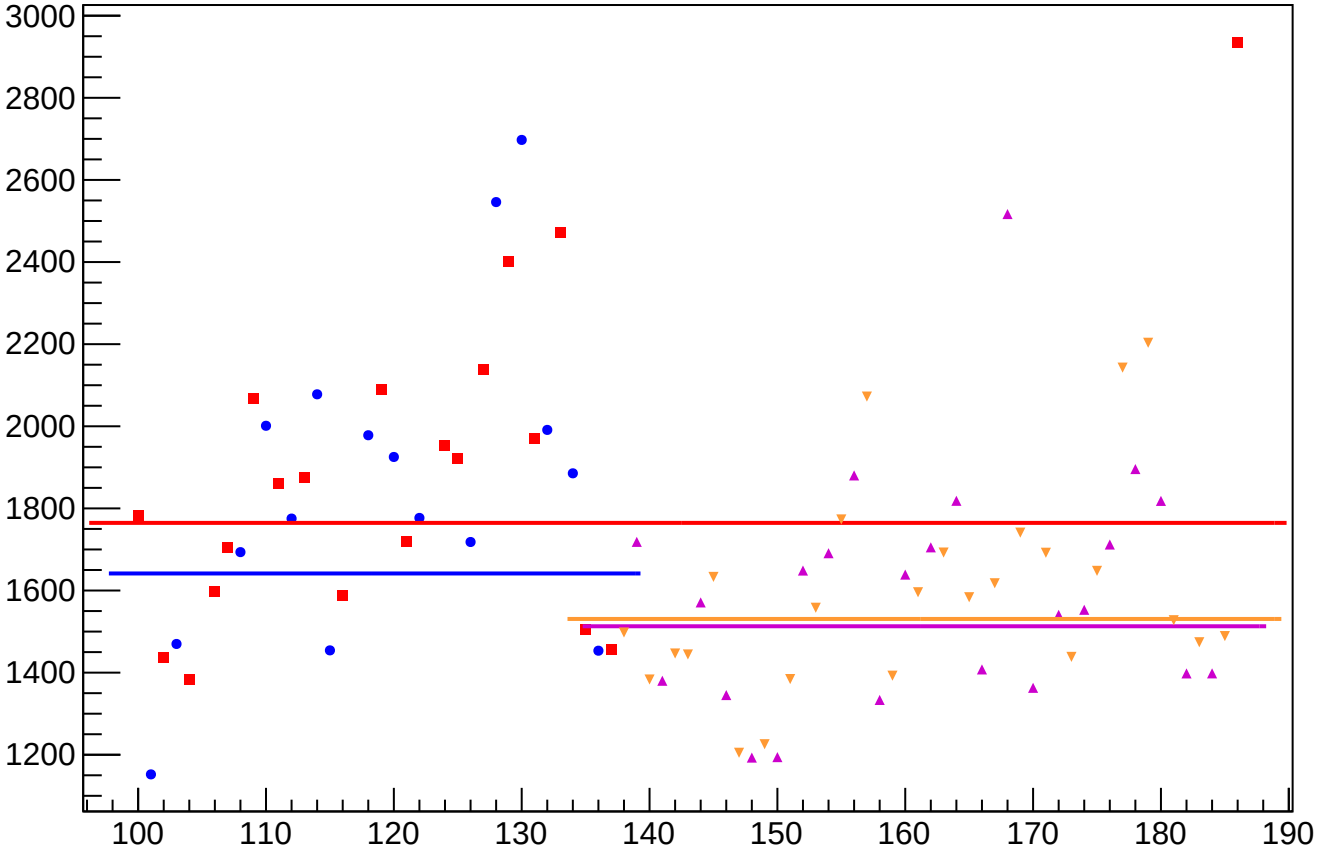
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

\+ sign 453.110+/-307.984 χ^2/NDF: 42.8/40

All: 385.582+/-219.650 χ^2/NDF: 80.5/83

\- sign 315.679+/-313.350 χ^2/NDF: 37.6/42

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

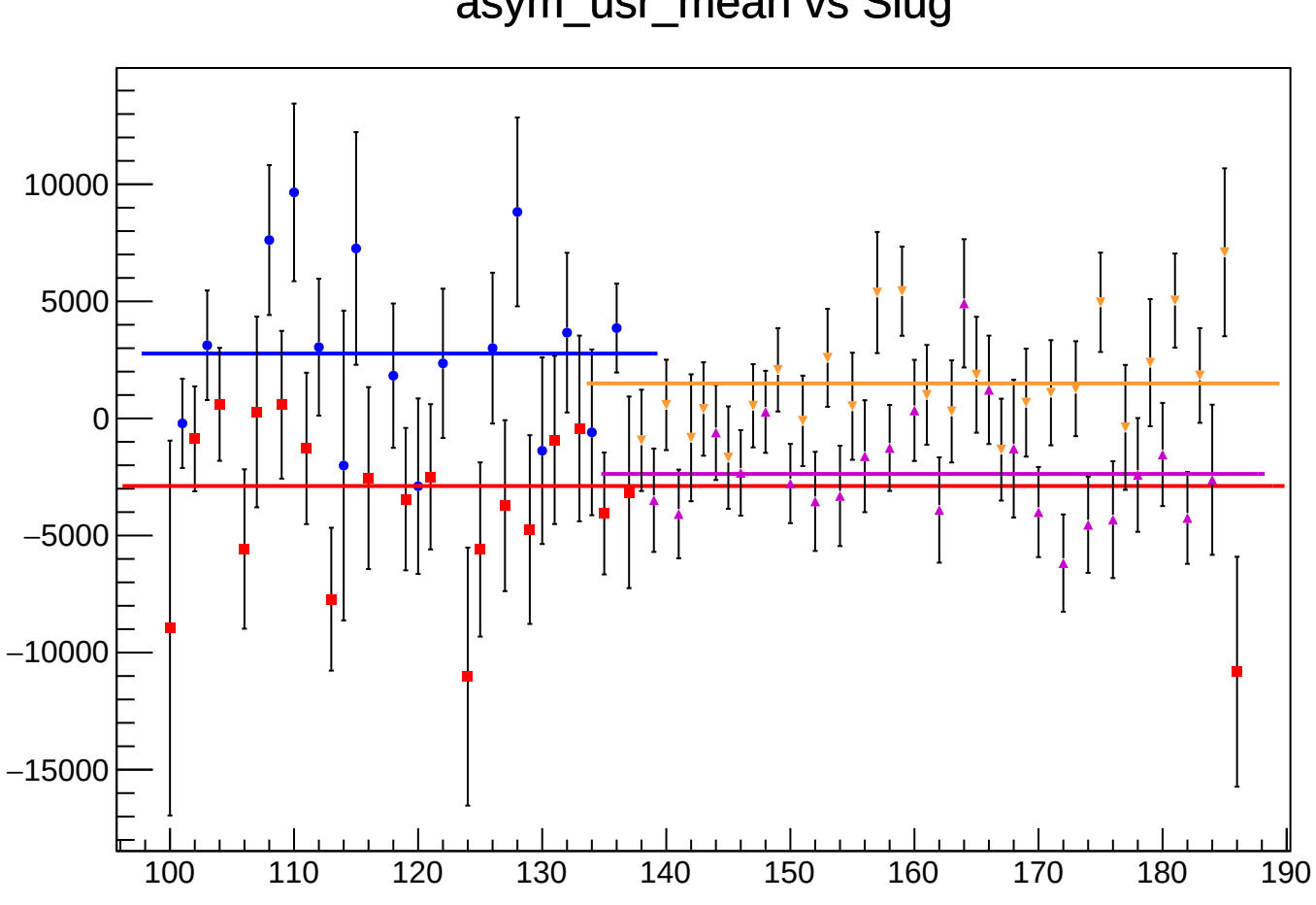
Right Out: 1764.734+/-0.454 χ^2/NDF: 572064.1/19

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1557.404+/-0.218 χ^2/NDF: 1544187.5/40

All: 1565.092+/-0.155 χ^2/NDF: 3310506.0/83

- sign 1573.050+/-0.222 χ^2/NDF: 1763782.2/42



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -2885.490+/-756.608 χ^2/NDF: 15.2/19

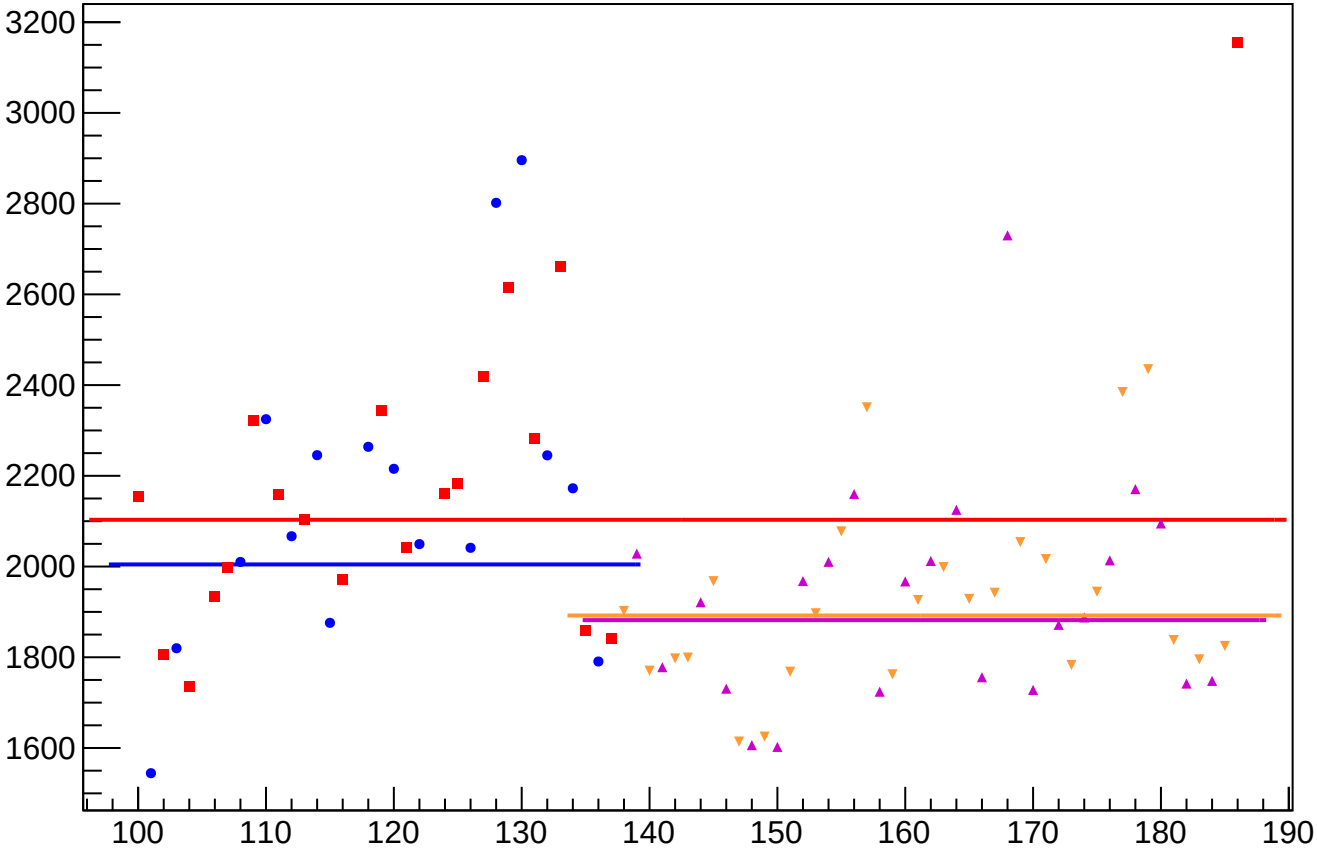
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1809.466+/-375.999 χ^2/NDF: 42.3/40

All: -310.712+/-268.058 χ^2/NDF: 146.2/83

- sign -2502.099+/-382.261 χ^2/NDF: 39.2/42

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

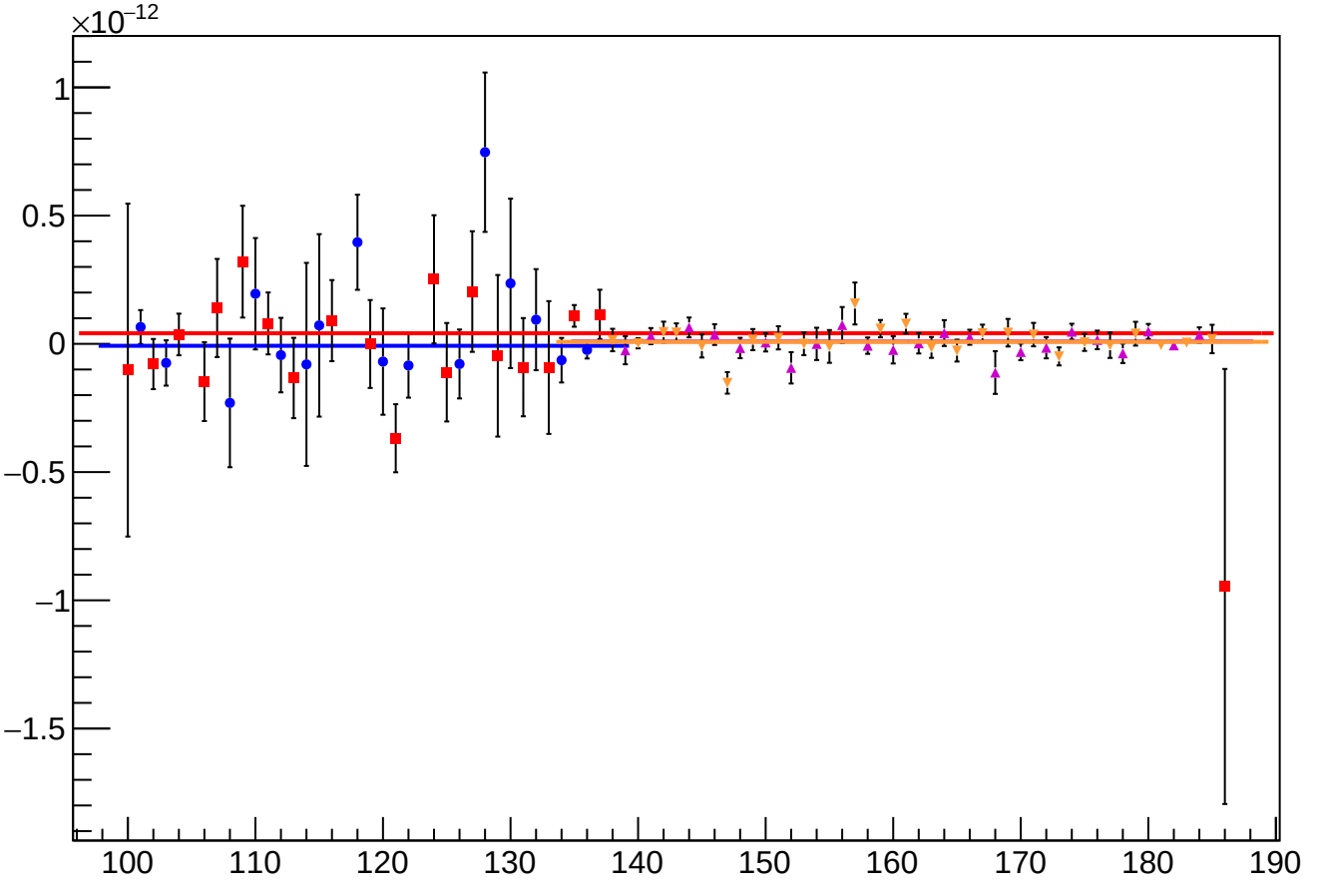
Right Out: 2103.103+/-0.535 χ^2/NDF: 324642.3/19

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 1919.868+/-0.266 χ^2/NDF: 810493.9/40

All: 1928.960+/-0.190 χ^2/NDF: 1727497.6/83

- sign 1938.357+/-0.270 χ^2/NDF: 914625.5/42



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/19

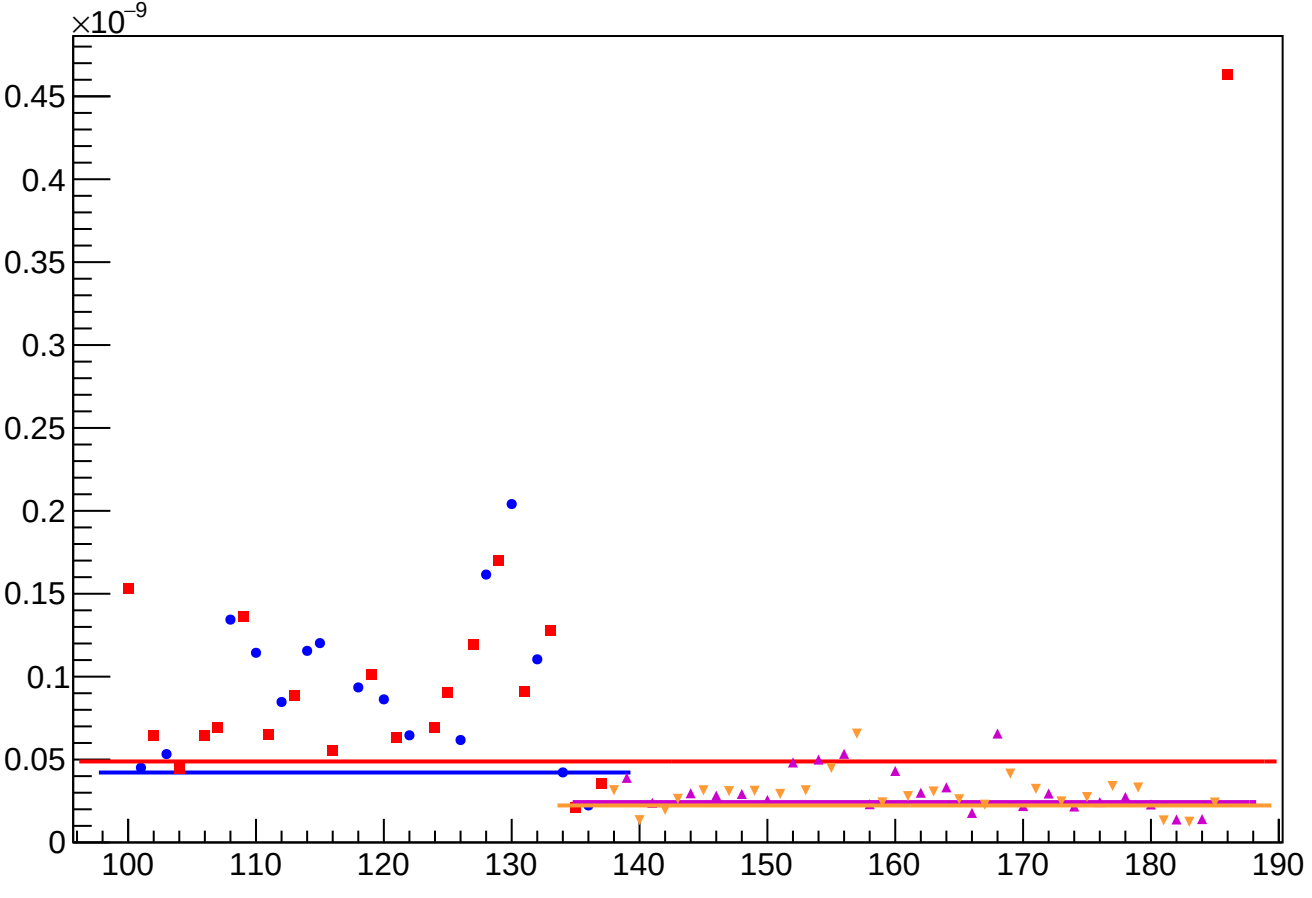
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.2/40

All: 0.000+/-0.000 χ^2/NDF: 92.9/83

- sign 0.000+/-0.000 χ^2/NDF: 43.5/42

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3082274.4/19

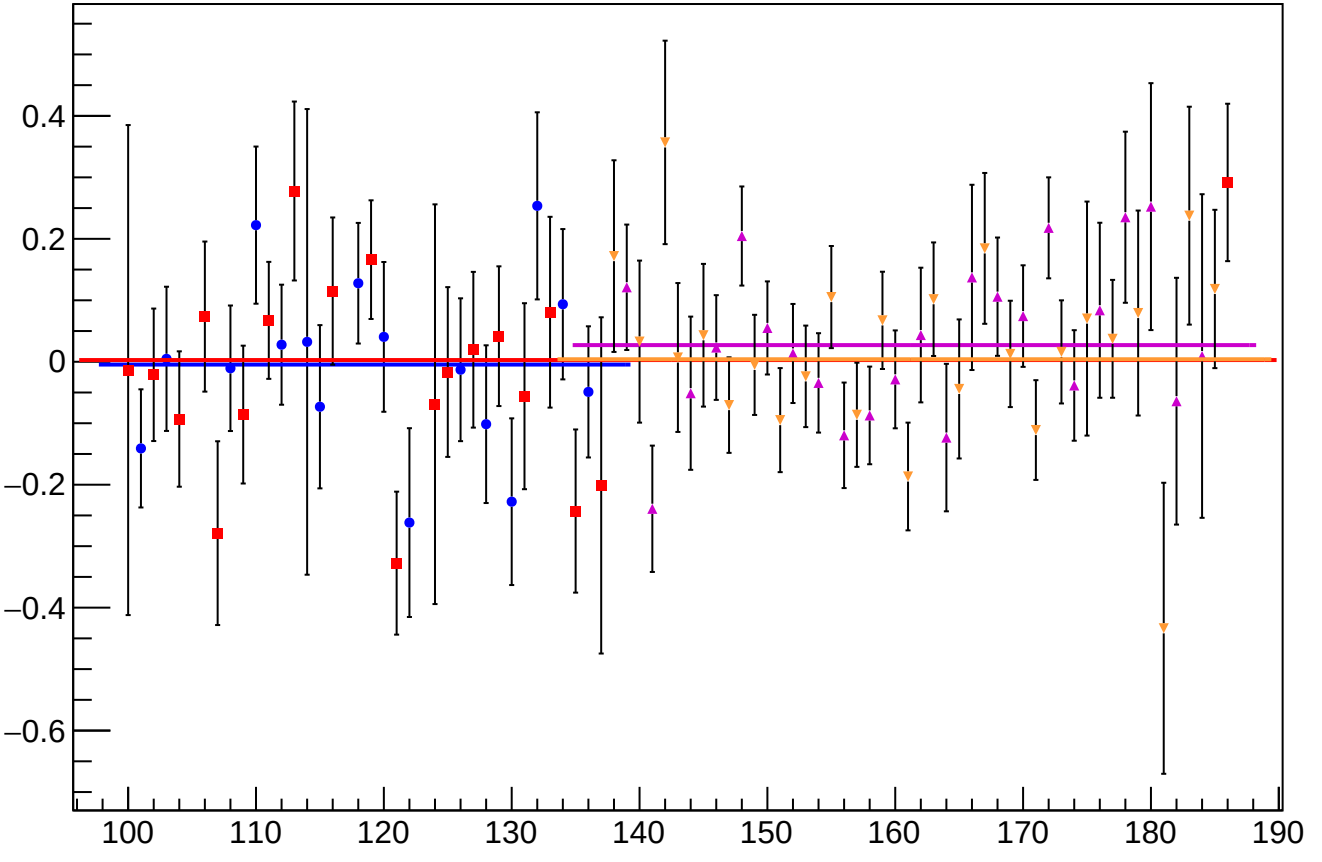
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7802293.0/40

All: 0.000+/-0.000 χ^2/NDF: 15650254.0/83

- sign 0.000+/-0.000 χ^2/NDF: 7736217.1/42

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

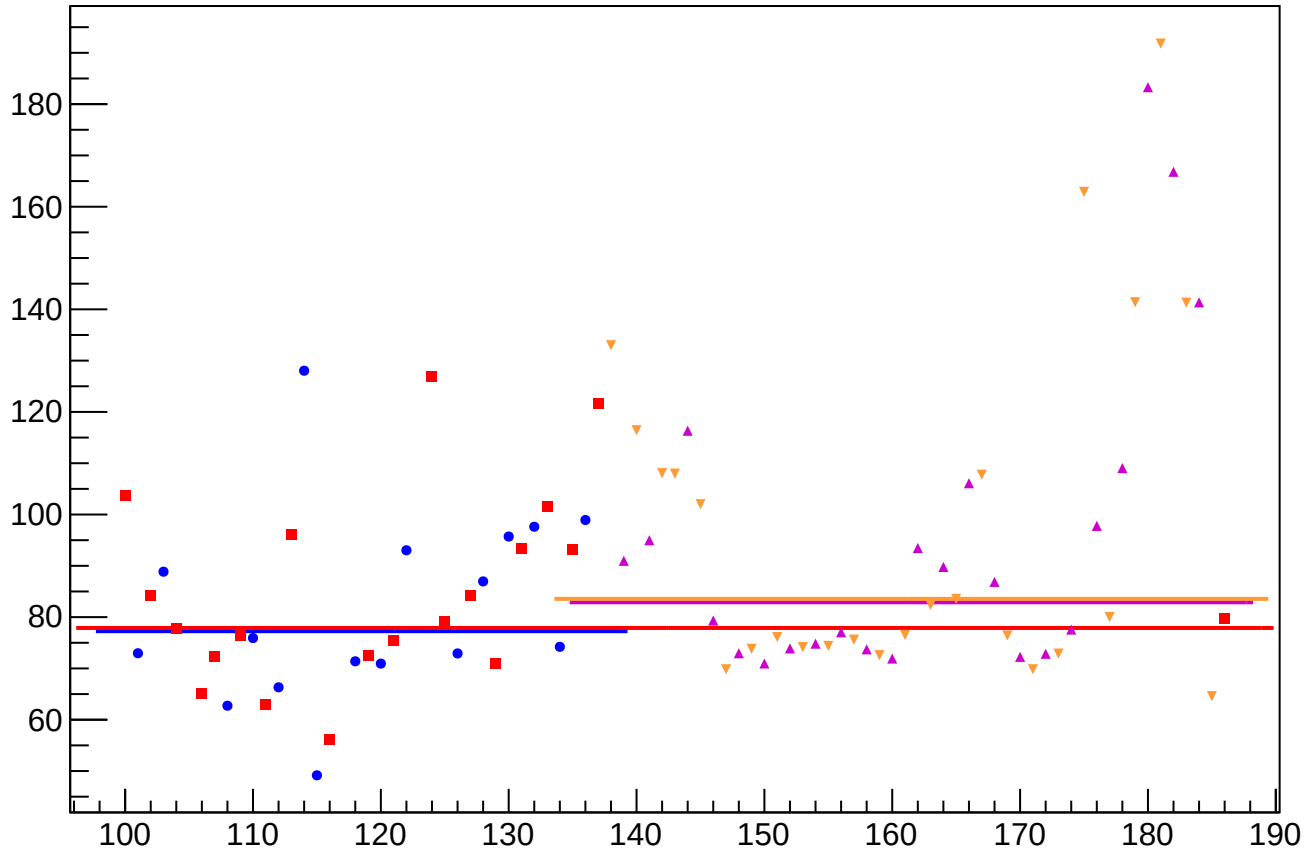
Right Out: 0.003+/-0.029 χ^2/NDF: 30.8/19

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.001+/-0.017 χ^2/NDF: 45.5/40

All: 0.010+/-0.012 χ^2/NDF: 109.3/83

- sign 0.019+/-0.017 χ^2/NDF: 63.3/42



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 77.892+/-0.020 χ^2/NDF: 396886.1/19

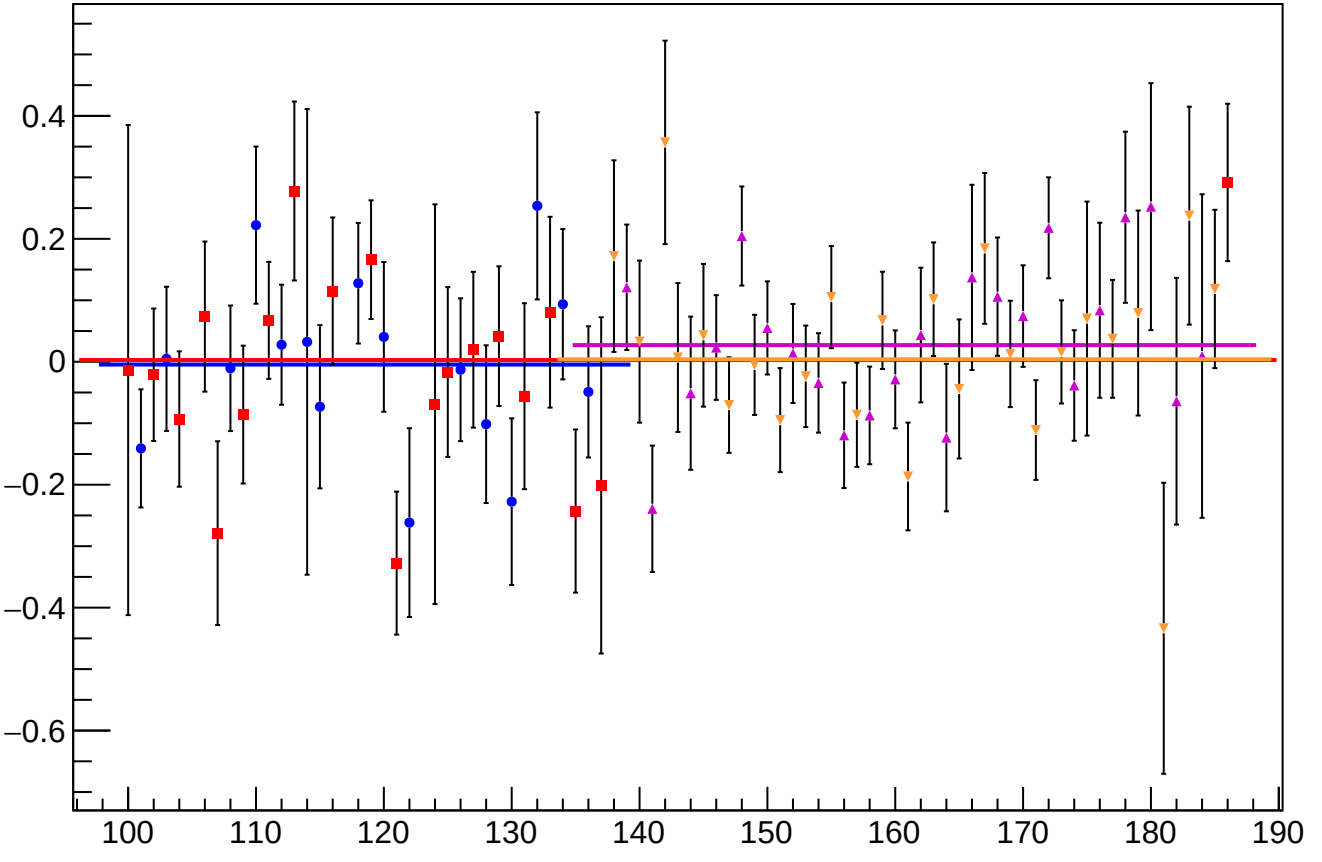
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 81.588+/-0.012 χ^2/NDF: 2652681.9/40

All: 81.402+/-0.008 χ^2/NDF: 4662697.4/83

- sign 81.216+/-0.012 χ^2/NDF: 2009525.2/42

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

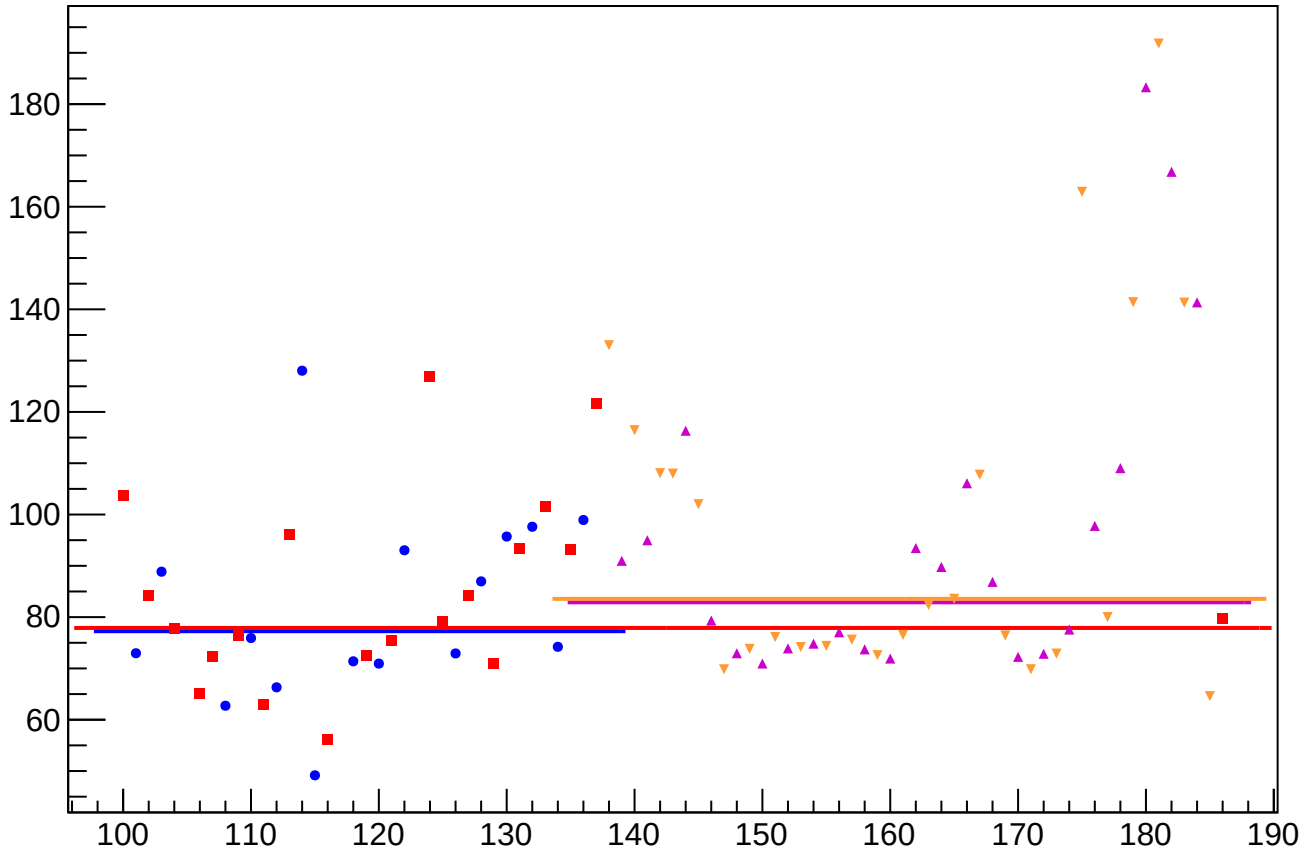
Right Out: 0.003+/-0.029 χ^2/NDF: 30.8/19

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.001+/-0.017 χ^2/NDF: 45.5/40

All: 0.010+/-0.012 χ^2/NDF: 109.3/83

- sign 0.019+/-0.017 χ^2/NDF: 63.3/42



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 77.892+/-0.020 χ^2/NDF: 396886.1/19

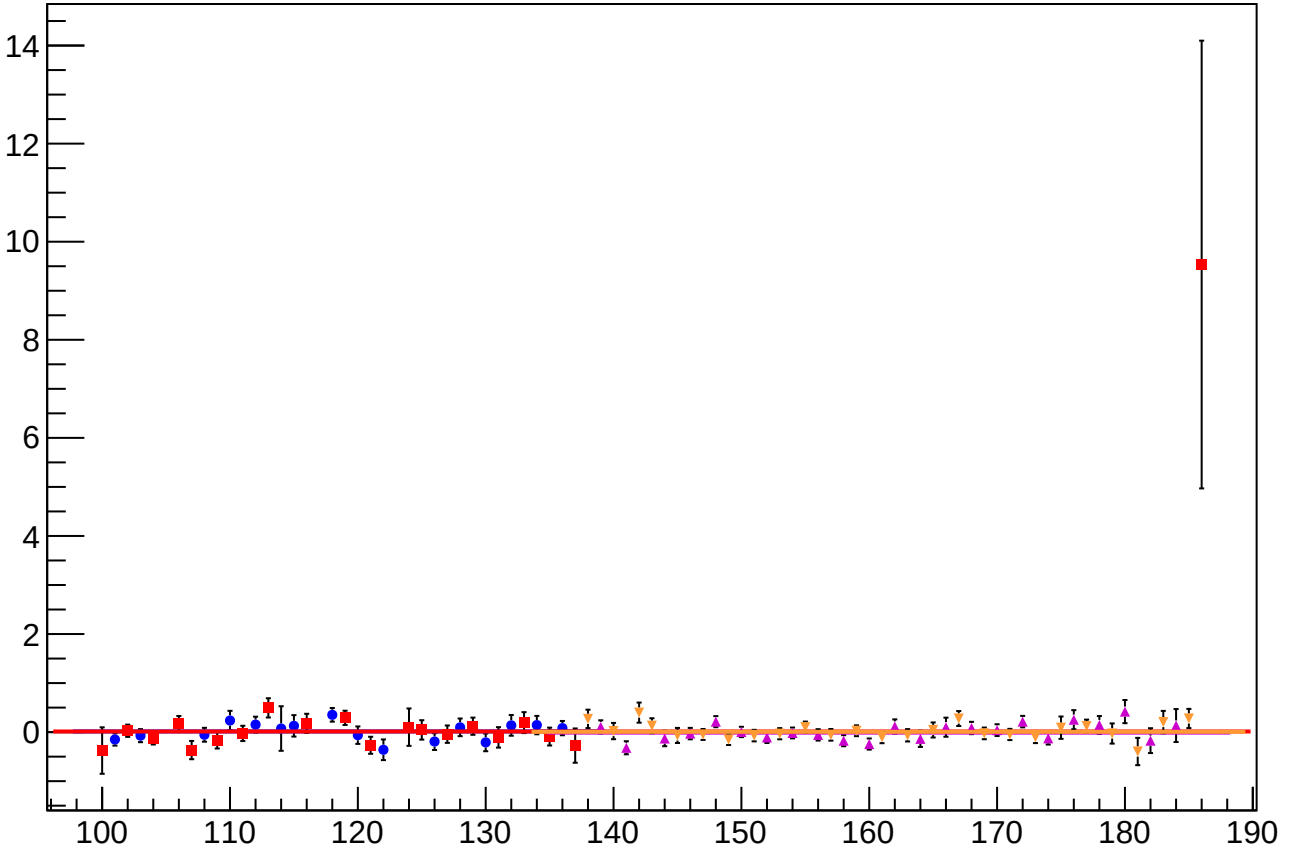
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 81.588+/-0.012 χ^2/NDF: 2652681.9/40

All: 81.402+/-0.008 χ^2/NDF: 4662697.4/83

- sign 81.216+/-0.012 χ^2/NDF: 2009525.2/42

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.013+/-0.041 χ^2/NDF: 28.1/19

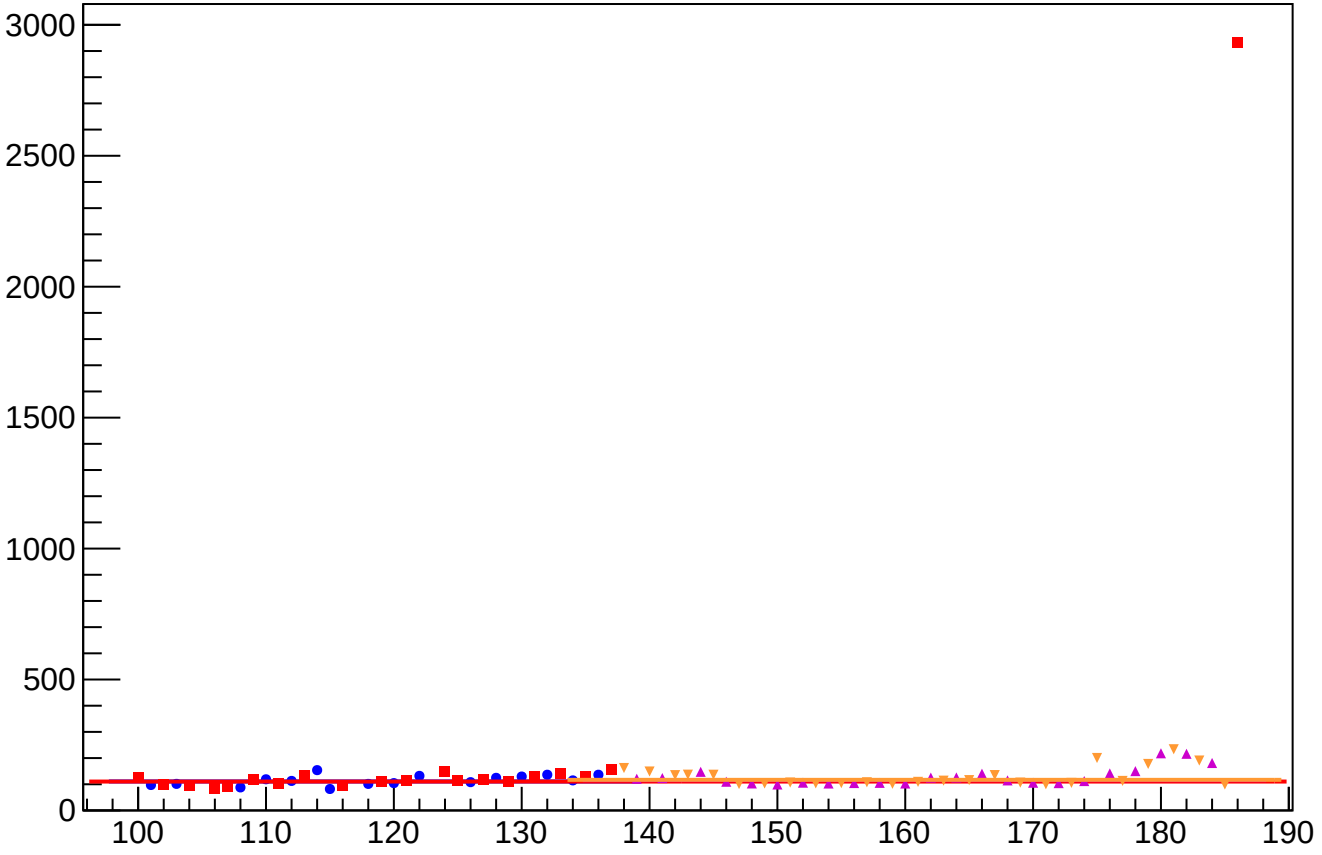
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.008+/-0.023 χ^2/NDF: 39.5/40

All: 0.003+/-0.016 χ^2/NDF: 99.3/83

- sign -0.003+/-0.023 χ^2/NDF: 59.6/42

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 110.376+/-0.029 χ^2/NDF: 1091687.4/19

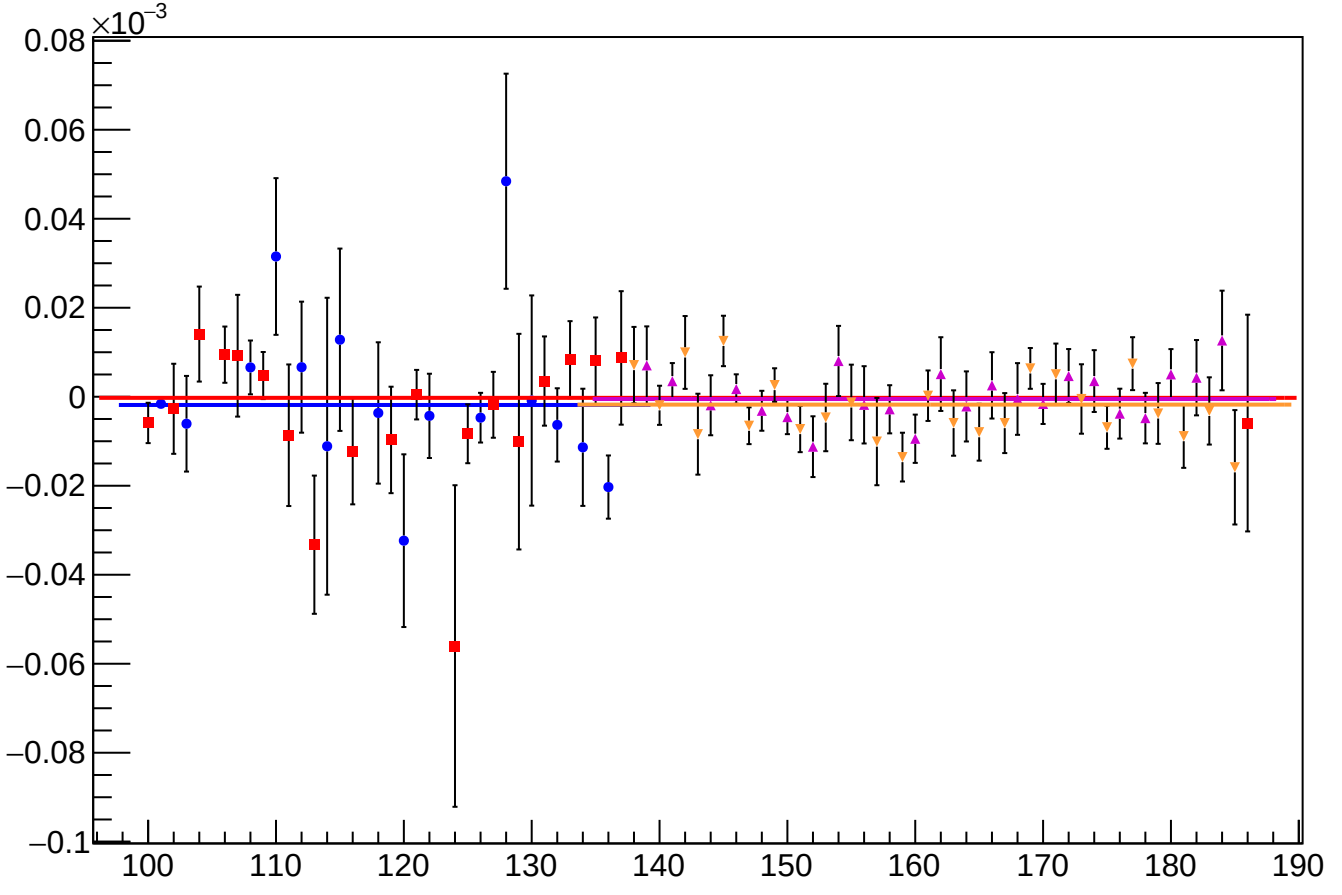
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 115.022+/-0.016 χ^2/NDF: 1926634.1/40

All: 114.571+/-0.012 χ^2/NDF: 4275258.1/83

- 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: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/19

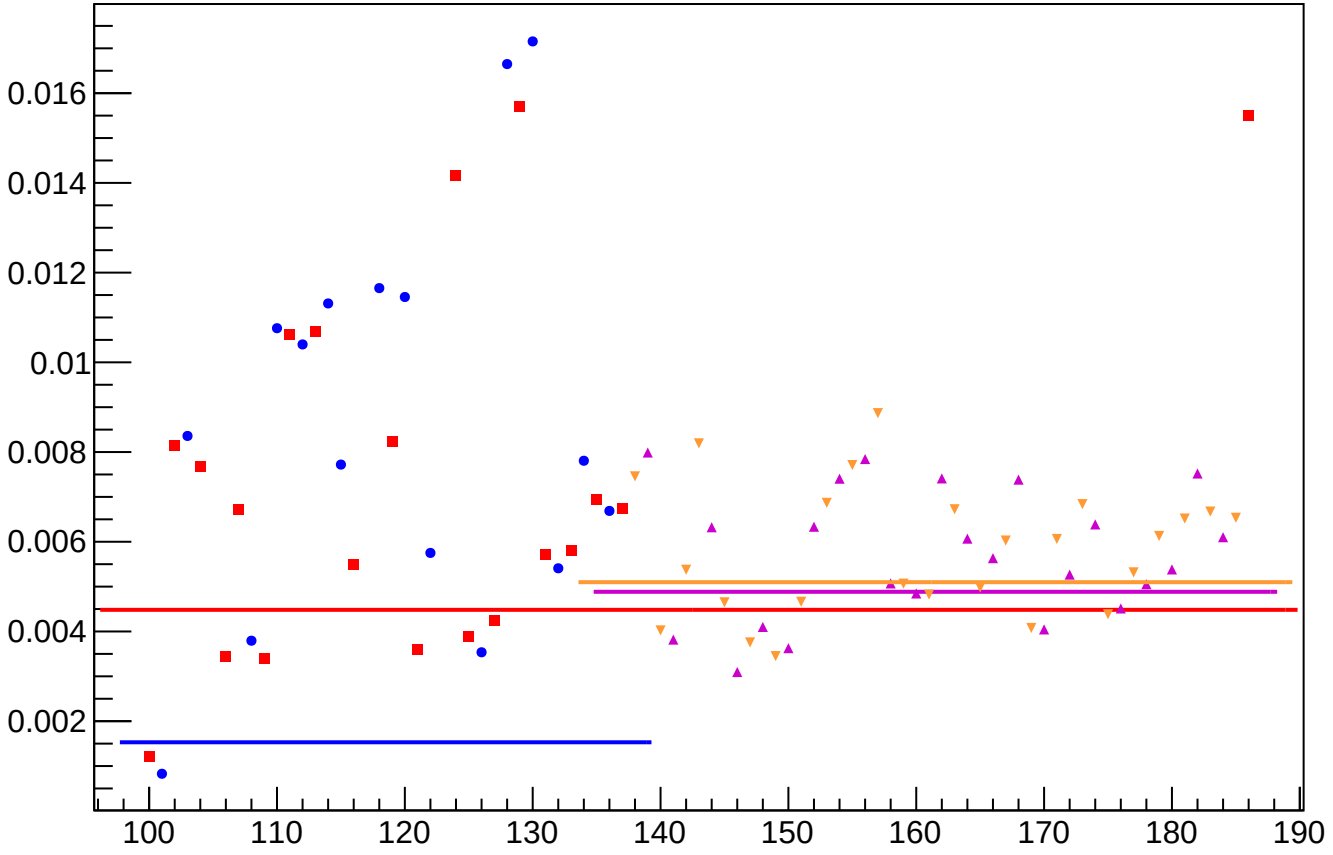
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.4/40

All: -0.000+/-0.000 χ^2/NDF: 89.2/83

- 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: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3800709.8/19

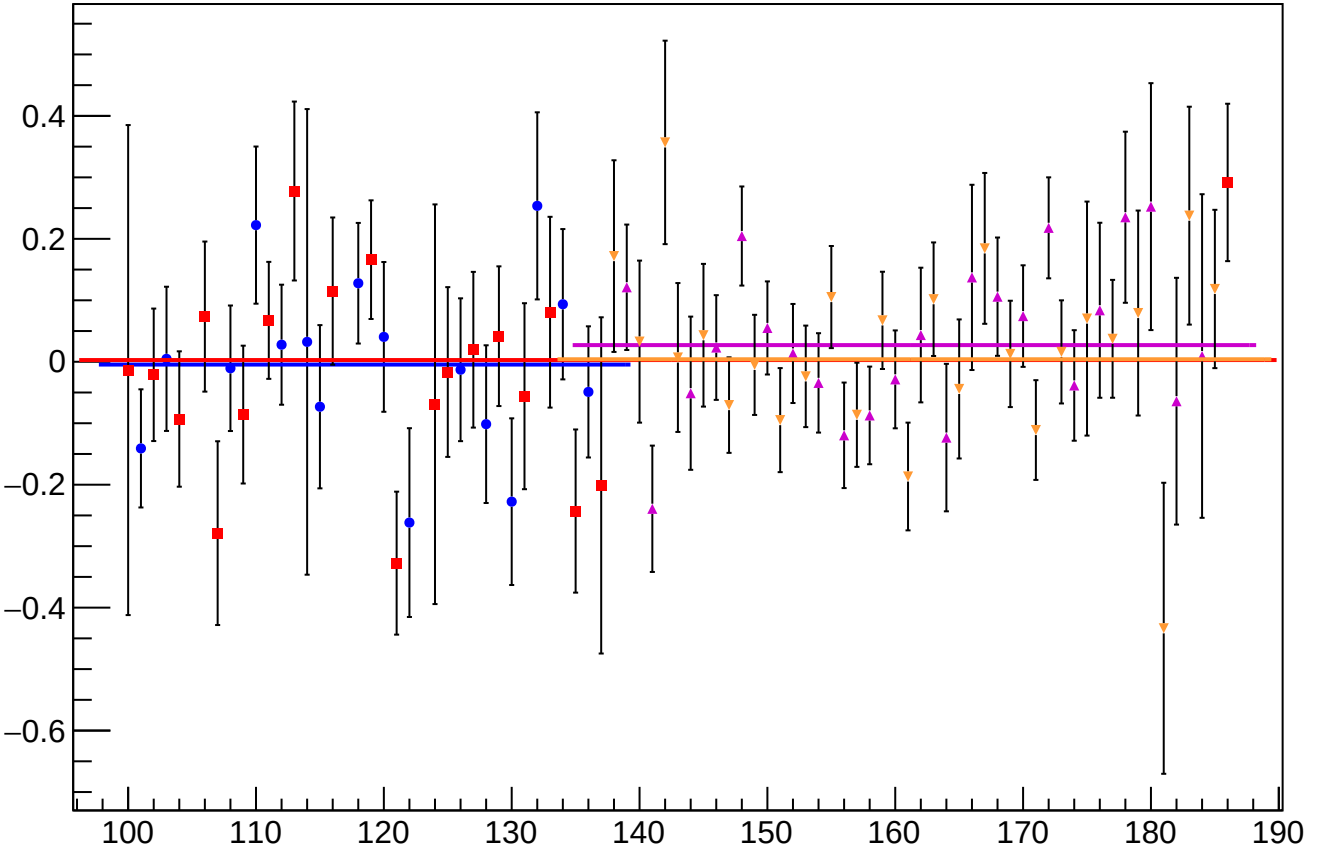
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 22153273.5/40

All: 0.004+/-0.000 χ^2/NDF: 32979376.9/83

- sign 0.005+/-0.000 χ^2/NDF: 6589394.4/42

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.003+/-0.029 χ^2/NDF: 30.8/19

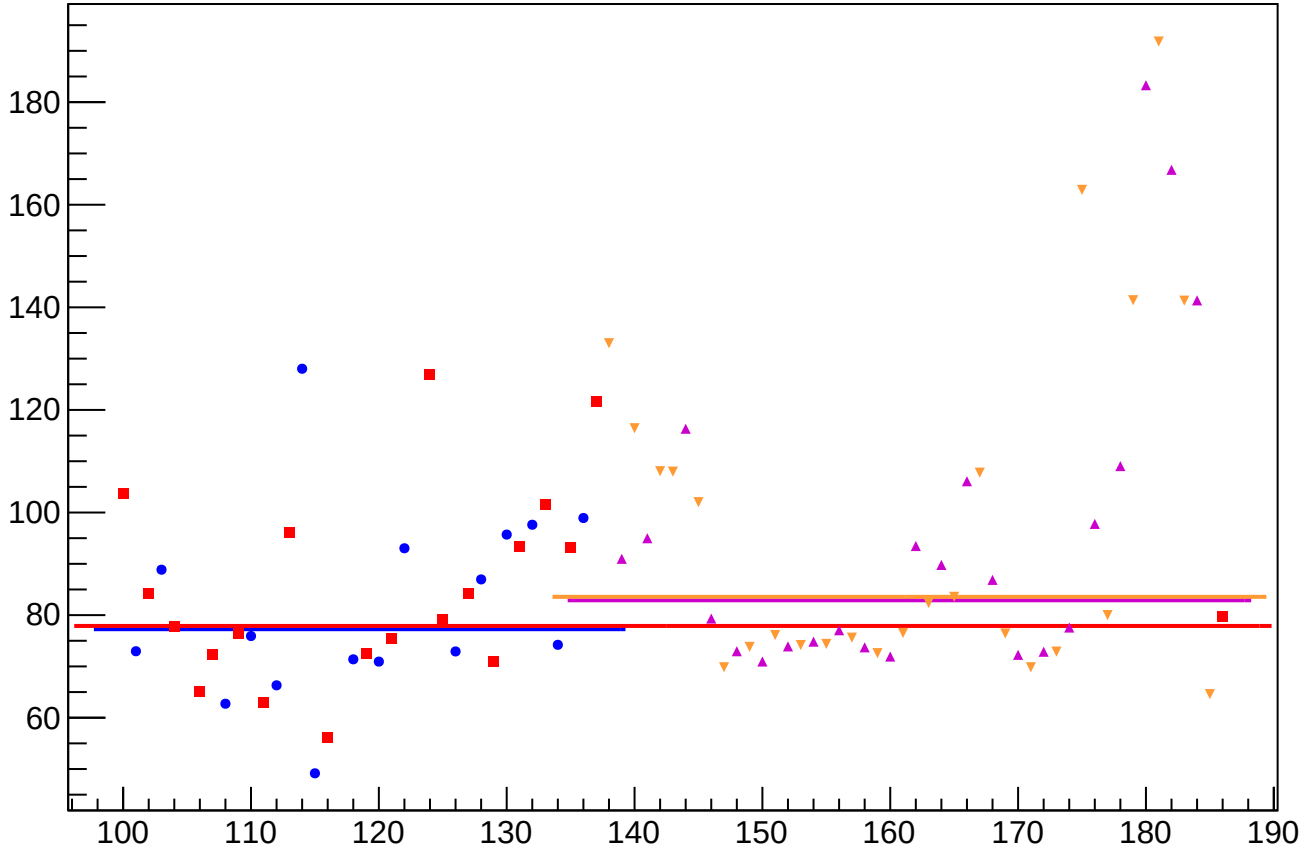
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.001+/-0.017 χ^2/NDF: 45.5/40

All: 0.010+/-0.012 χ^2/NDF: 109.3/83

- sign 0.019+/-0.017 χ^2/NDF: 63.3/42

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

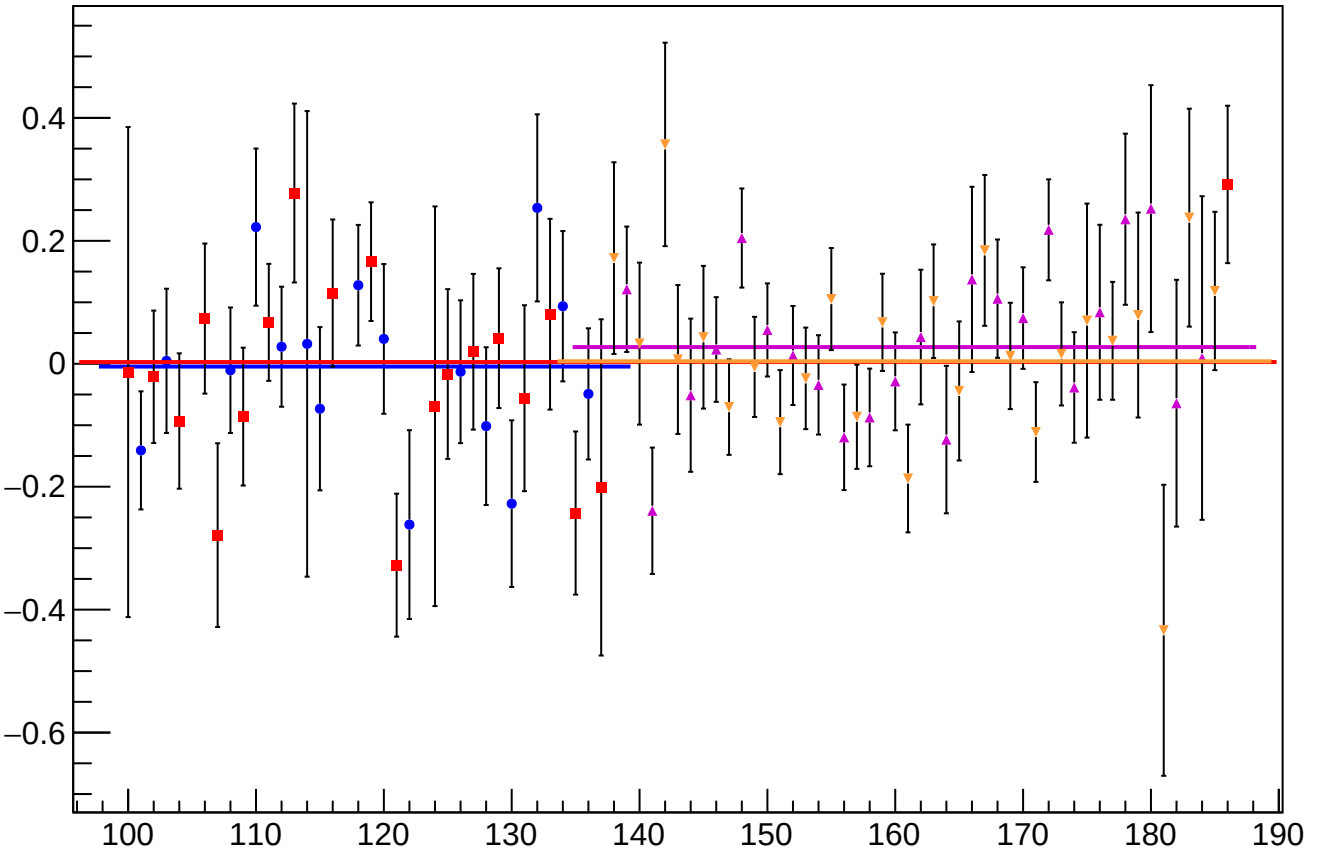
Right Out: 77.891+/-0.020 χ^2/NDF: 396882.1/19

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 81.588+/-0.012 χ^2/NDF: 2652702.8/40

All: 81.401+/-0.008 χ^2/NDF: 4662728.2/83

- sign 81.216+/-0.012 χ^2/NDF: 2009534.6/42



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

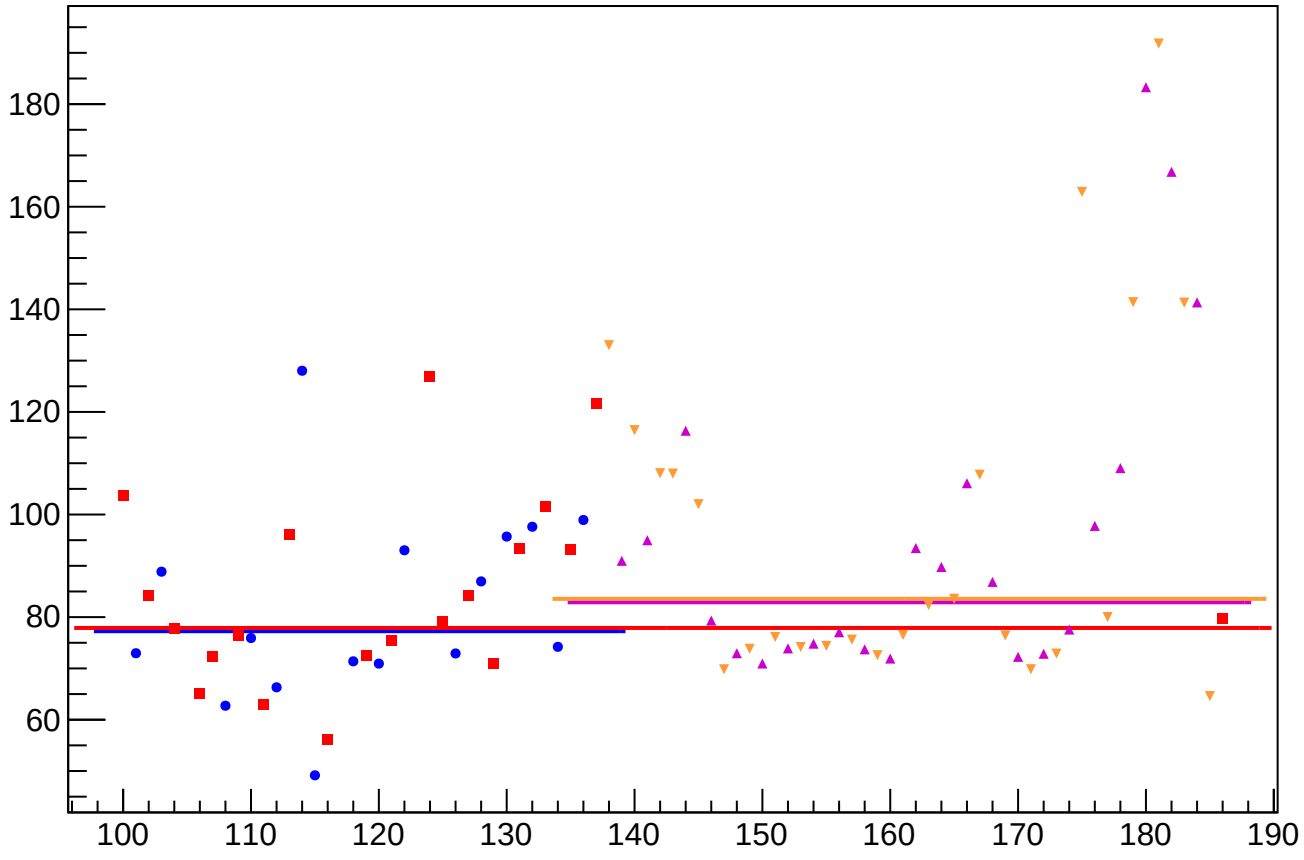
Right Out: 0.003+/-0.029 χ^2/NDF: 30.8/19

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.001+/-0.017 χ^2/NDF: 45.5/40

All: 0.010+/-0.012 χ^2/NDF: 109.3/83

- sign 0.019+/-0.017 χ^2/NDF: 63.3/42



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

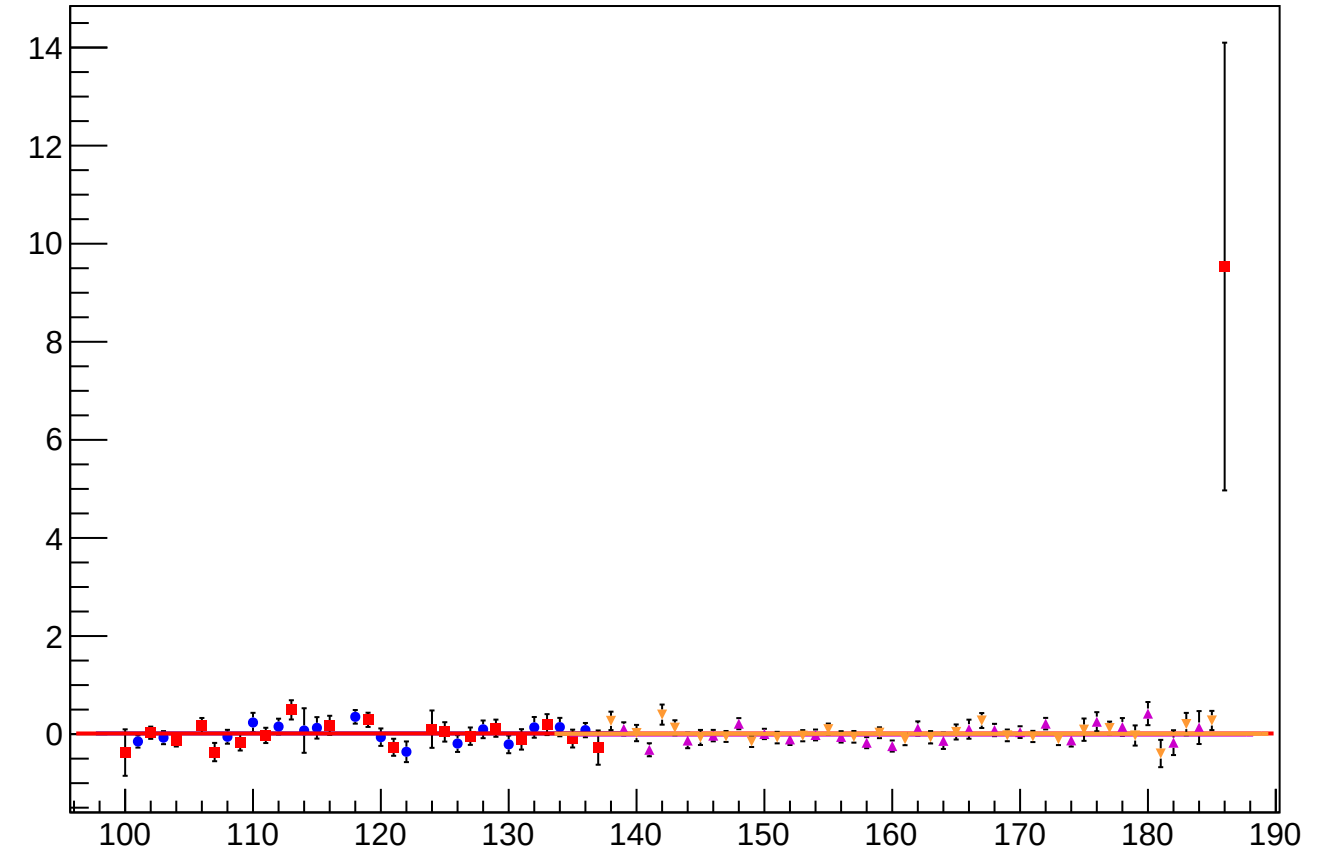
Right Out: 77.891+/-0.020 χ^2/NDF: 396882.1/19

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 81.588+/-0.012 χ^2/NDF: 2652702.8/40

All: 81.401+/-0.008 χ^2/NDF: 4662728.2/83

- sign 81.216+/-0.012 χ^2/NDF: 2009534.6/42



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

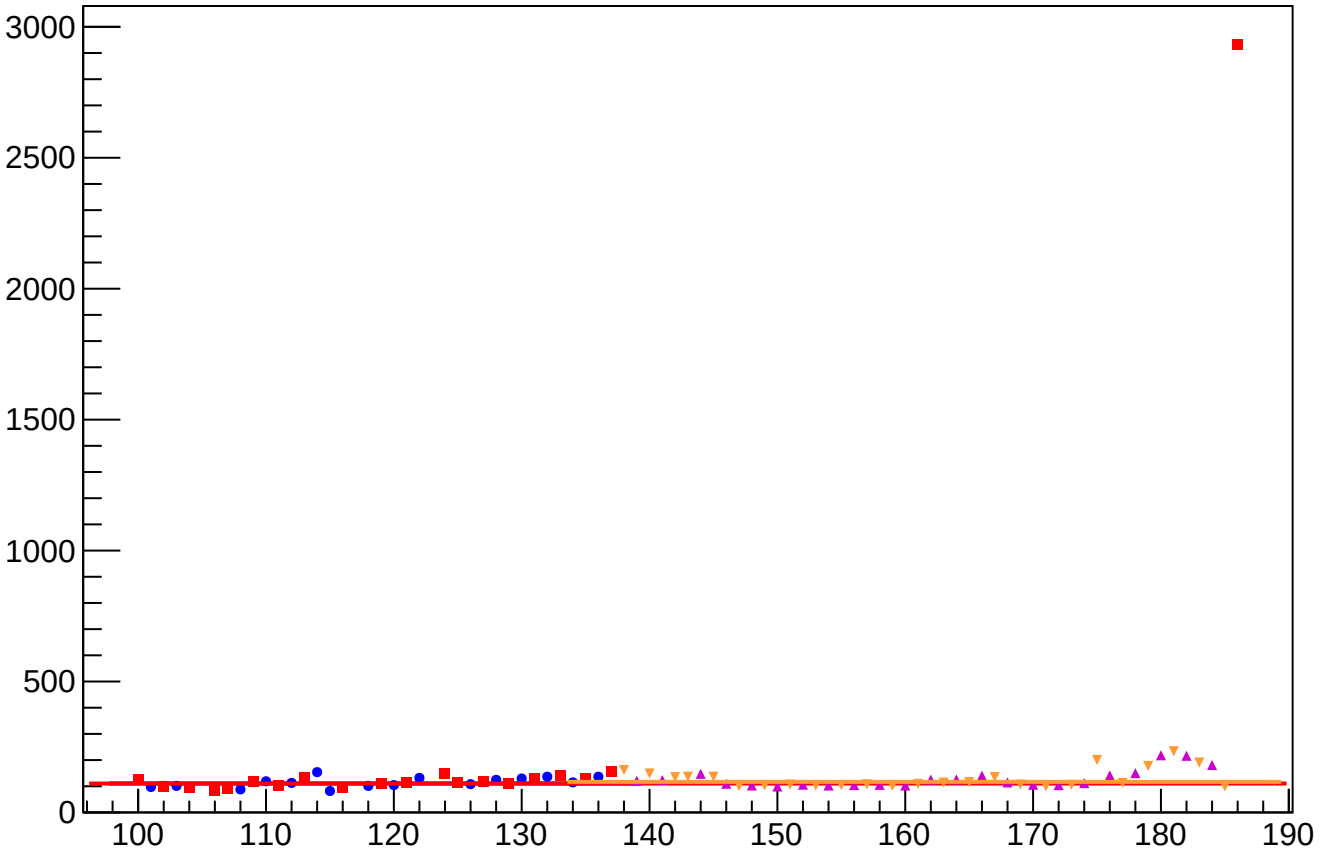
Right Out: 0.013+/-0.041 χ^2/NDF: 28.1/19

Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.008+/-0.023 χ^2/NDF: 39.5/40

All: 0.003+/-0.016 χ^2/NDF: 99.3/83

- sign -0.003+/-0.023 χ^2/NDF: 59.6/42



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

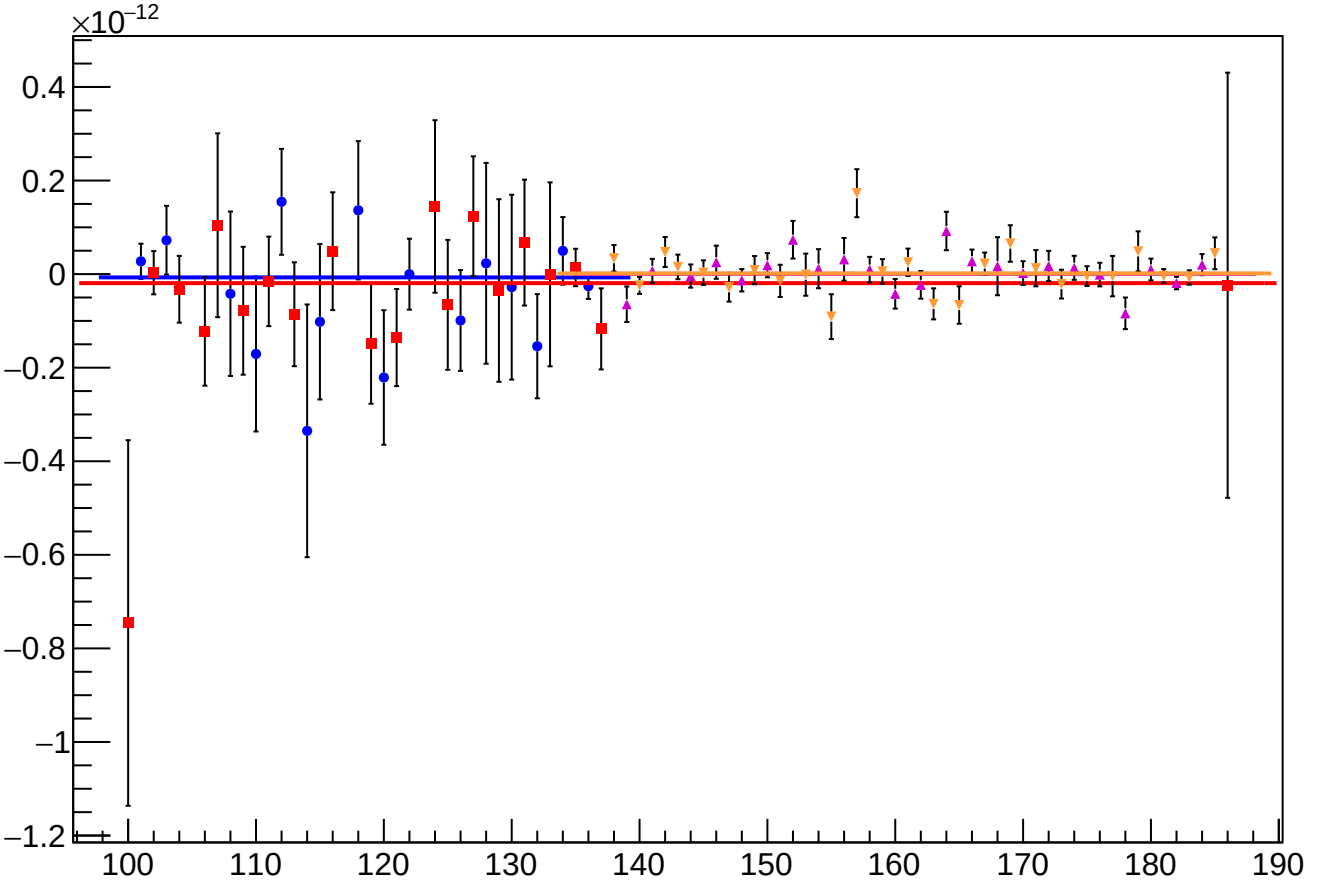
Right Out: 110.375+/-0.029 χ^2/NDF: 1091658.0/19

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

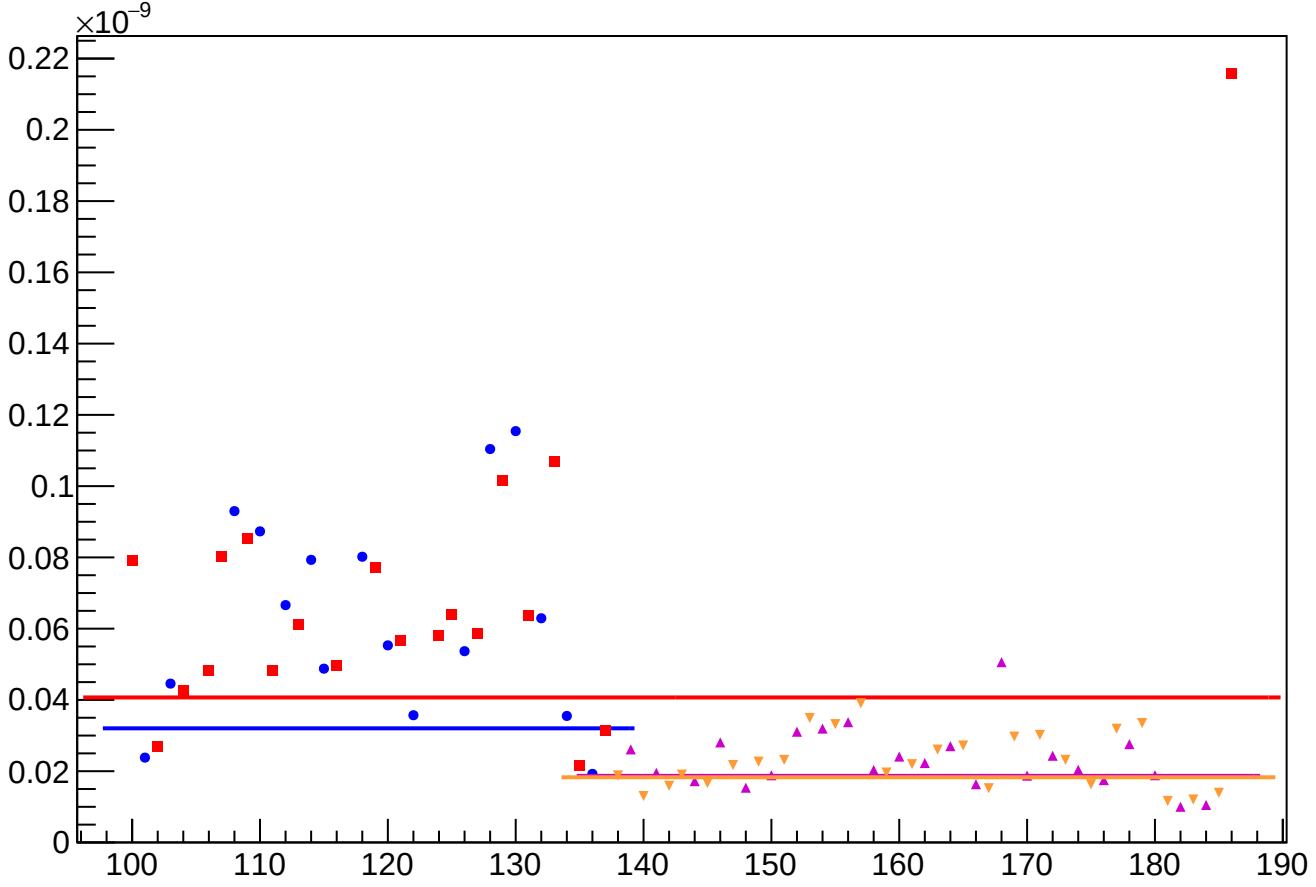
+ sign 115.022+/-0.016 χ^2/NDF: 1926616.9/40

All: 114.571+/-0.012 χ^2/NDF: 4275211.6/83

- 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: 13.6/15
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: 50.4/40
All: 0.000+/-0.000 χ²/NDF: 90.6/83
- 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: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2163654.0/19

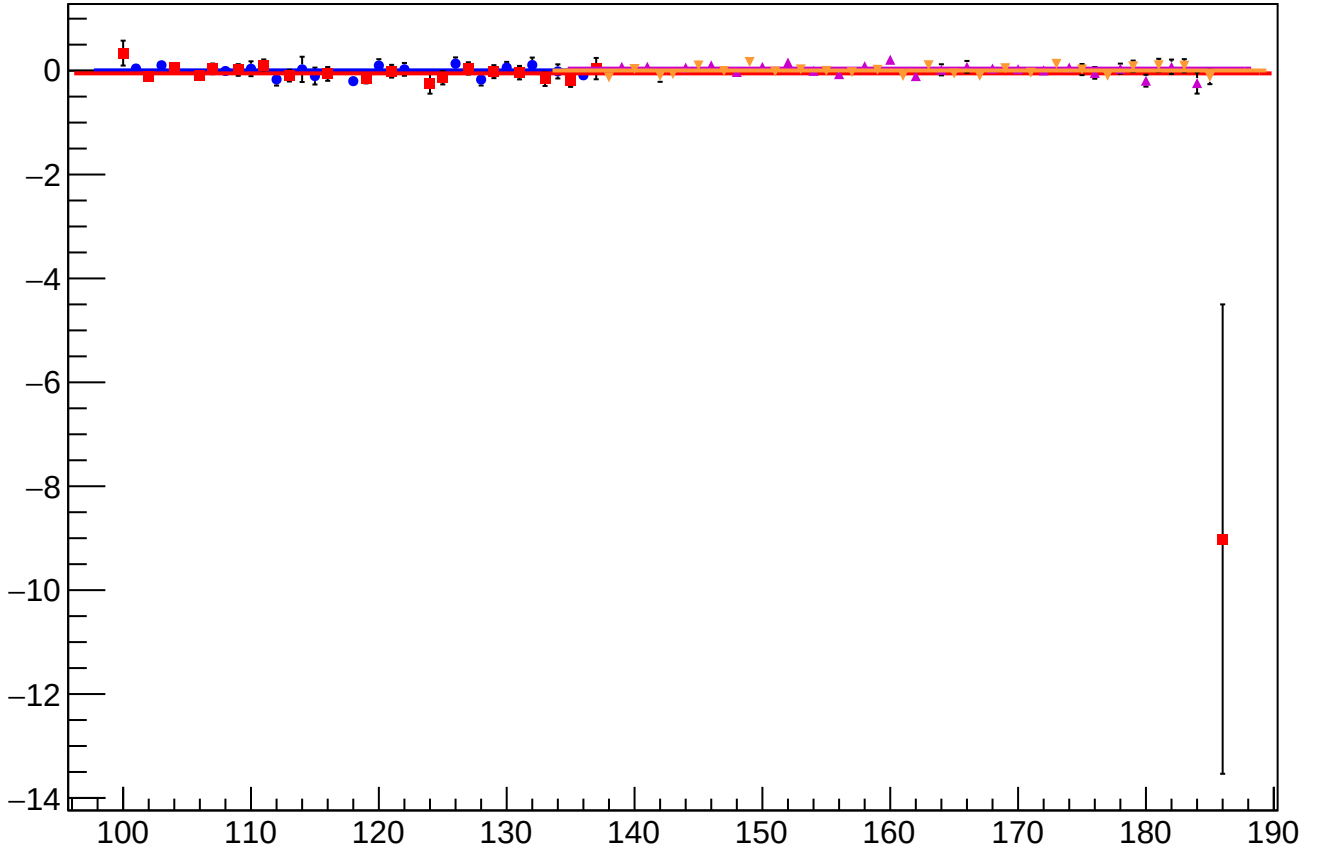
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 6565842.2/40

All: 0.000+/-0.000 χ^2/NDF: 13688561.5/83

- sign 0.000+/-0.000 χ^2/NDF: 7104689.1/42

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.053+/-0.024 χ^2/NDF: 18.7/19

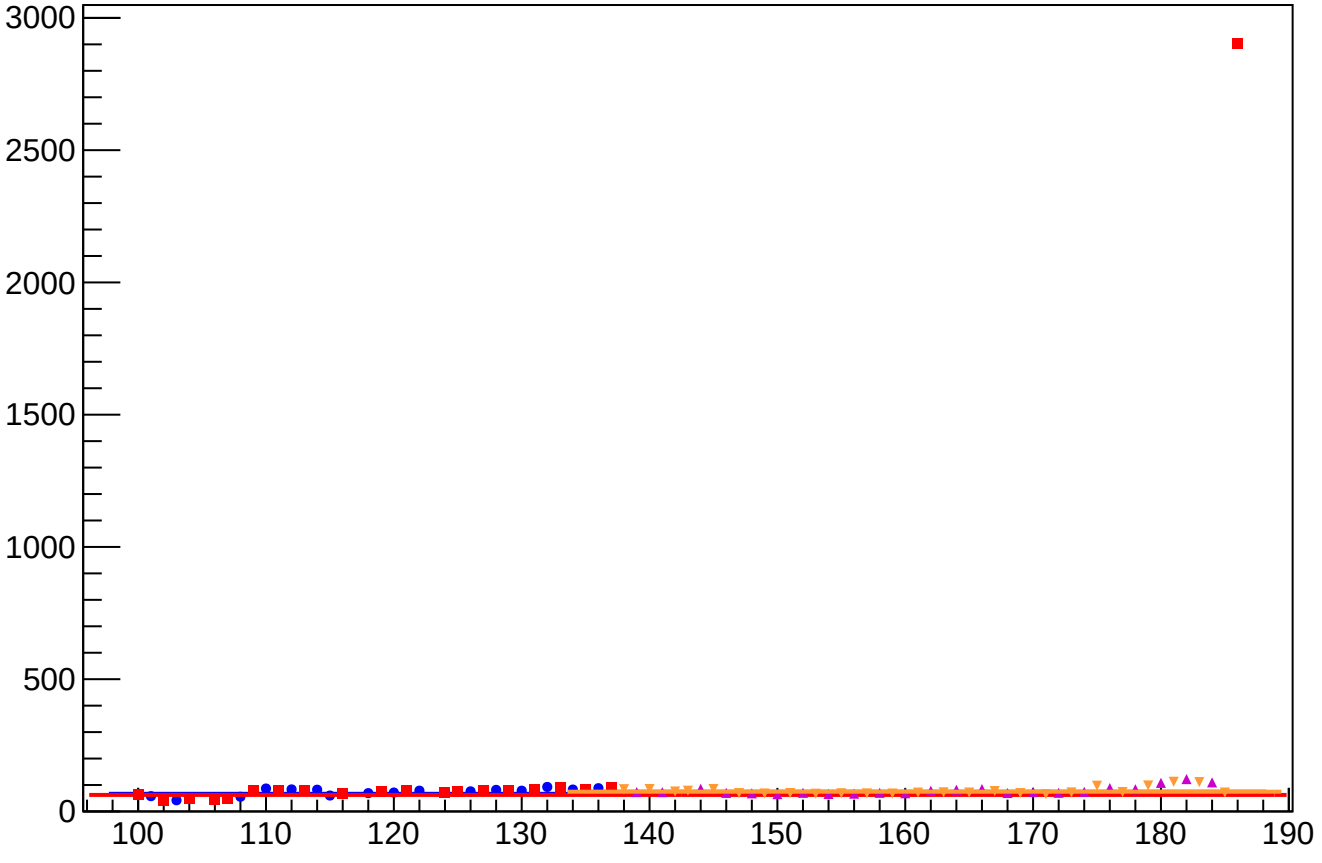
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign 0.003+/-0.014 χ^2/NDF: 38.1/40

All: 0.005+/-0.010 χ^2/NDF: 87.7/83

- sign 0.006+/-0.014 χ^2/NDF: 49.6/42

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

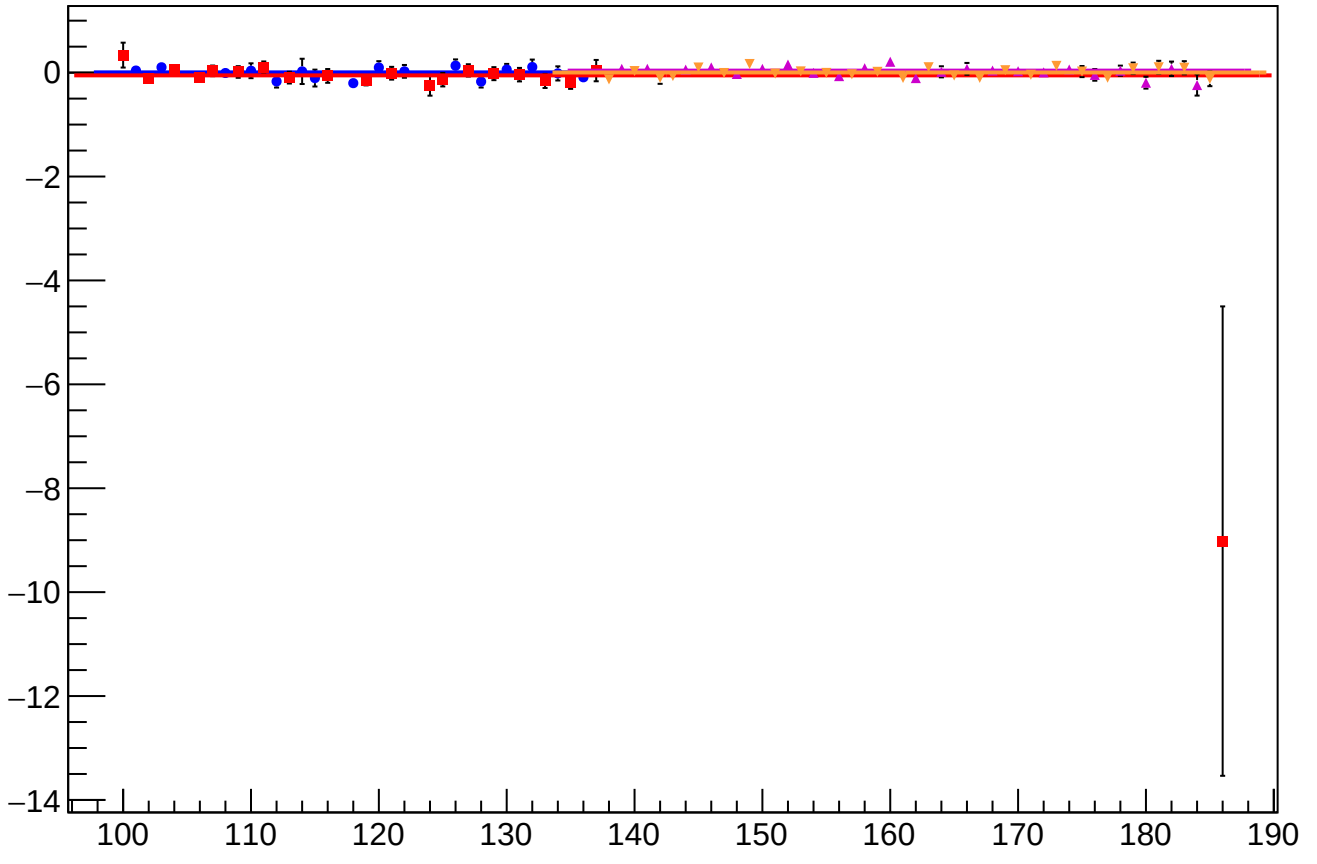
Right Out: 62.510+/-0.017 χ^2/NDF: 1904379.2/19

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 72.251+/-0.010 χ^2/NDF: 1693029.7/40

All: 71.272+/-0.007 χ^2/NDF: 4654323.2/83

- sign 70.307+/-0.010 χ^2/NDF: 2943087.1/42



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.053+/-0.024 χ^2/NDF: 18.7/19

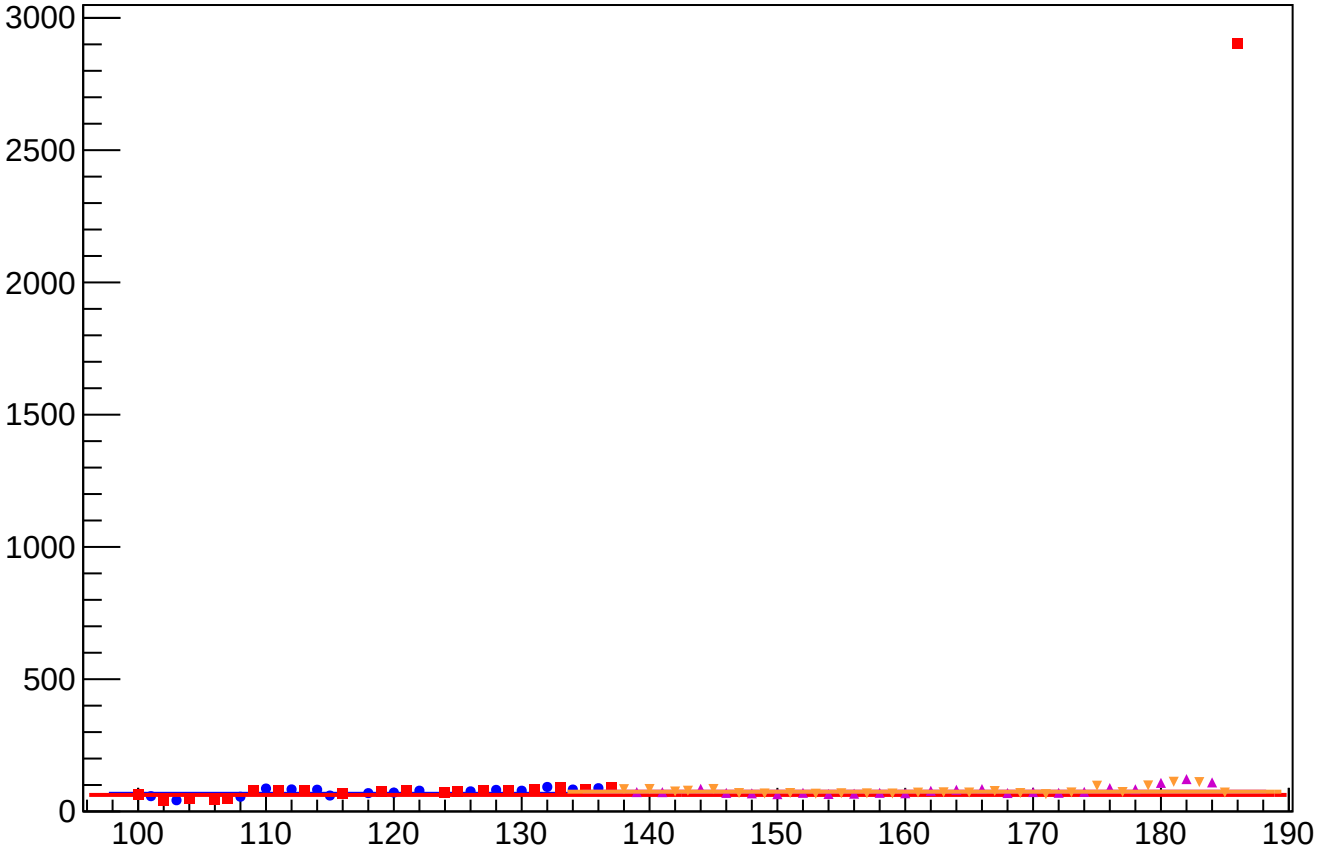
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign 0.003+/-0.014 χ^2/NDF: 38.1/40

All: 0.005+/-0.010 χ^2/NDF: 87.7/83

- sign 0.006+/-0.014 χ^2/NDF: 49.6/42

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 62.510+/-0.017 χ^2/NDF: 1904379.2/19

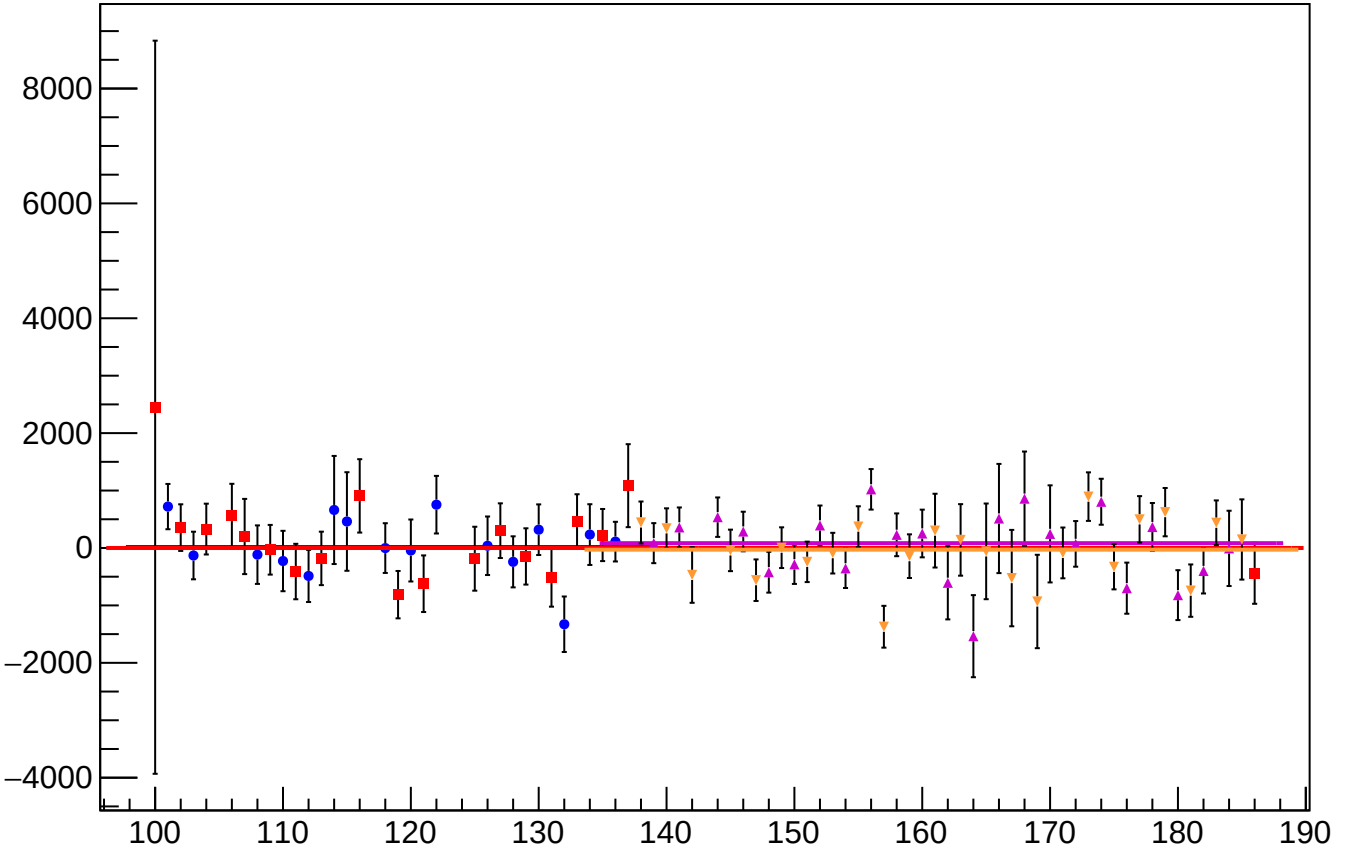
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 72.251+/-0.010 χ^2/NDF: 1693029.7/40

All: 71.272+/-0.007 χ^2/NDF: 4654323.2/83

- sign 70.307+/-0.010 χ^2/NDF: 2943087.1/42

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -0.009+/-116.321 χ^2/NDF: 16.7/18

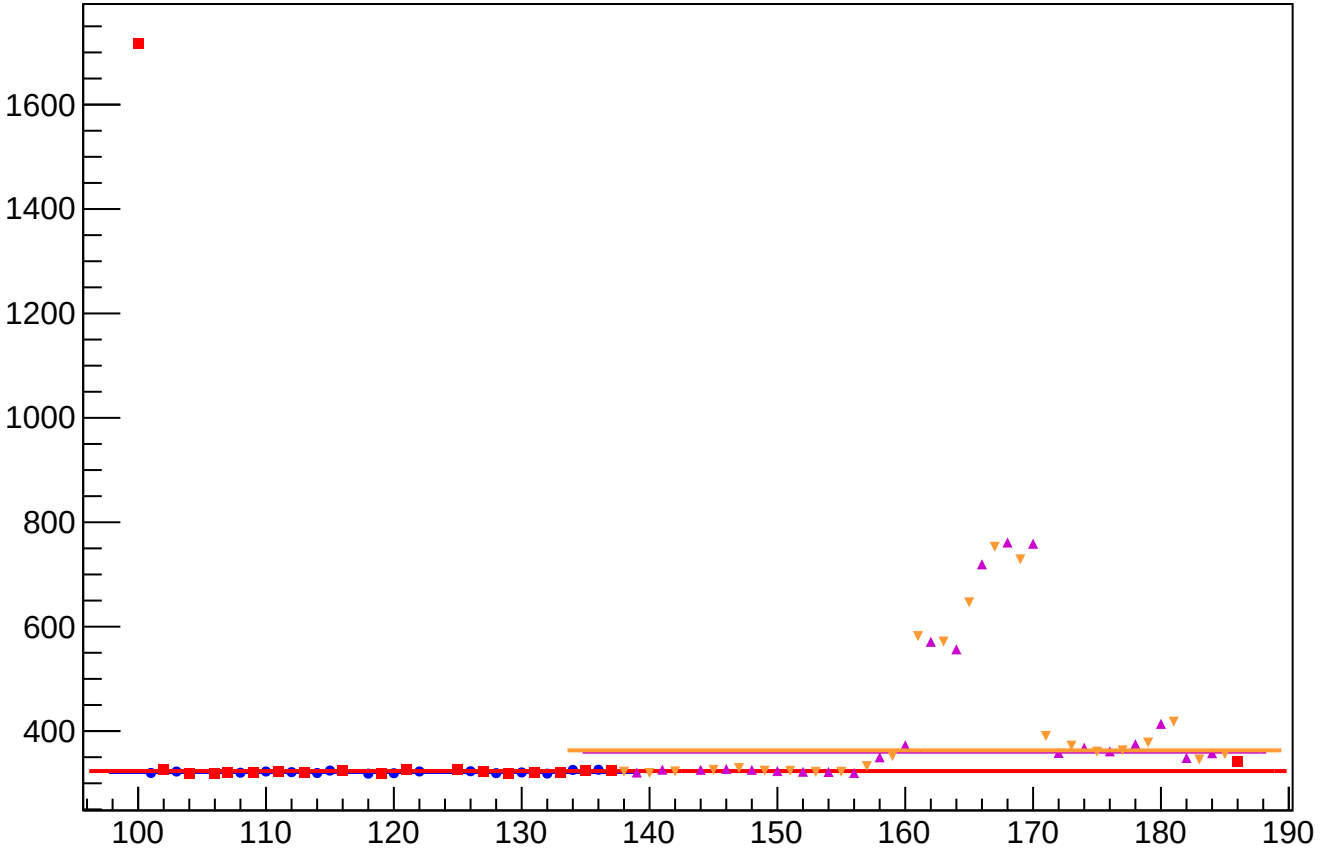
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

\+ sign -13.903+/-70.071 χ^2/NDF: 53.2/39

All: 20.334+/-49.309 χ^2/NDF: 106.5/81

\- sign 53.916+/-69.399 χ^2/NDF: 52.9/41

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 323.435+/-0.082 χ^2/NDF: 99176.4/18

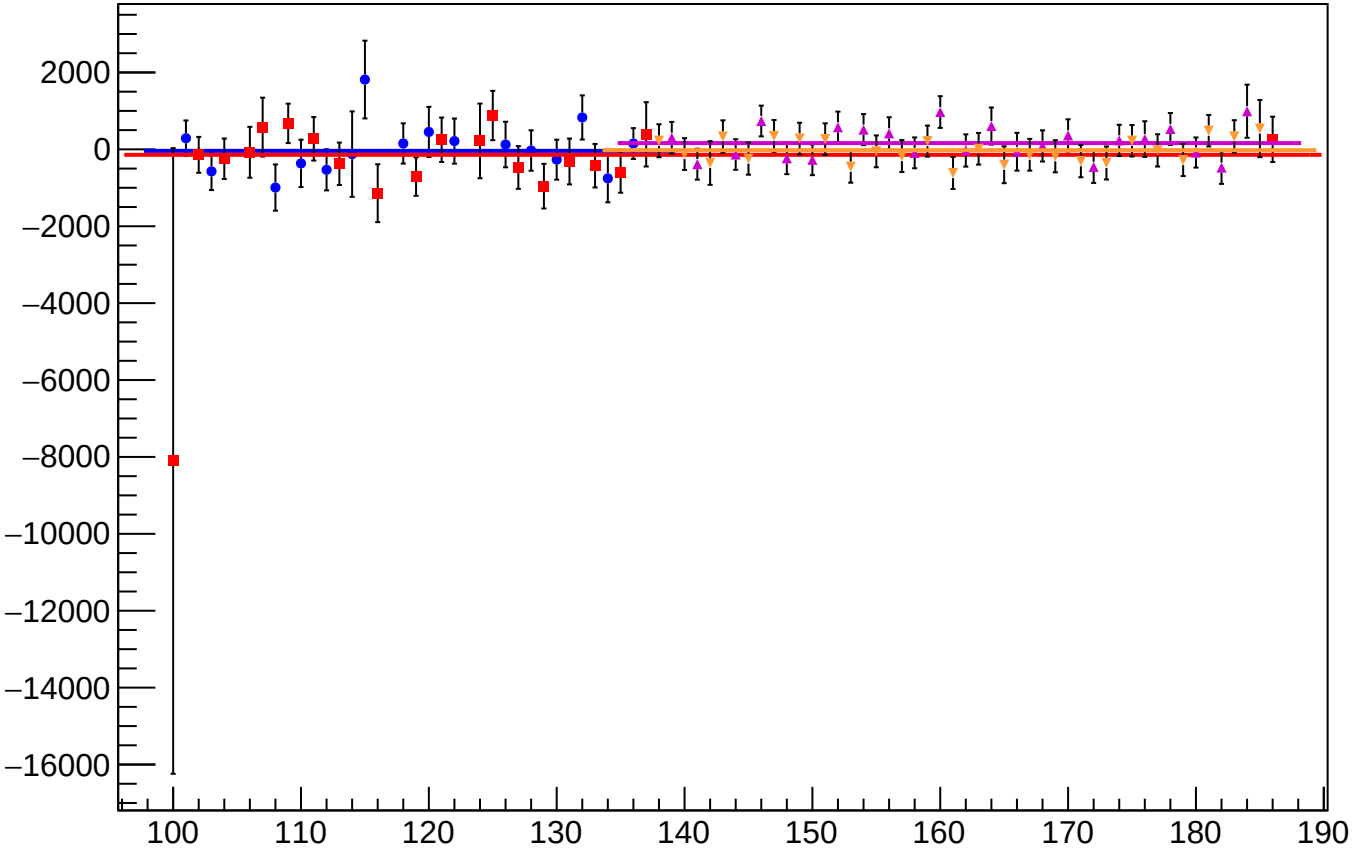
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 348.802+/-0.050 χ^2/NDF: 1954562.4/39

All: 348.075+/-0.035 χ^2/NDF: 4003247.7/81

- sign 347.361+/-0.049 χ^2/NDF: 2048258.6/41

asym_dsr_mean vs Slug



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -142.308+/-135.258 χ^2/NDF: 15.6/19

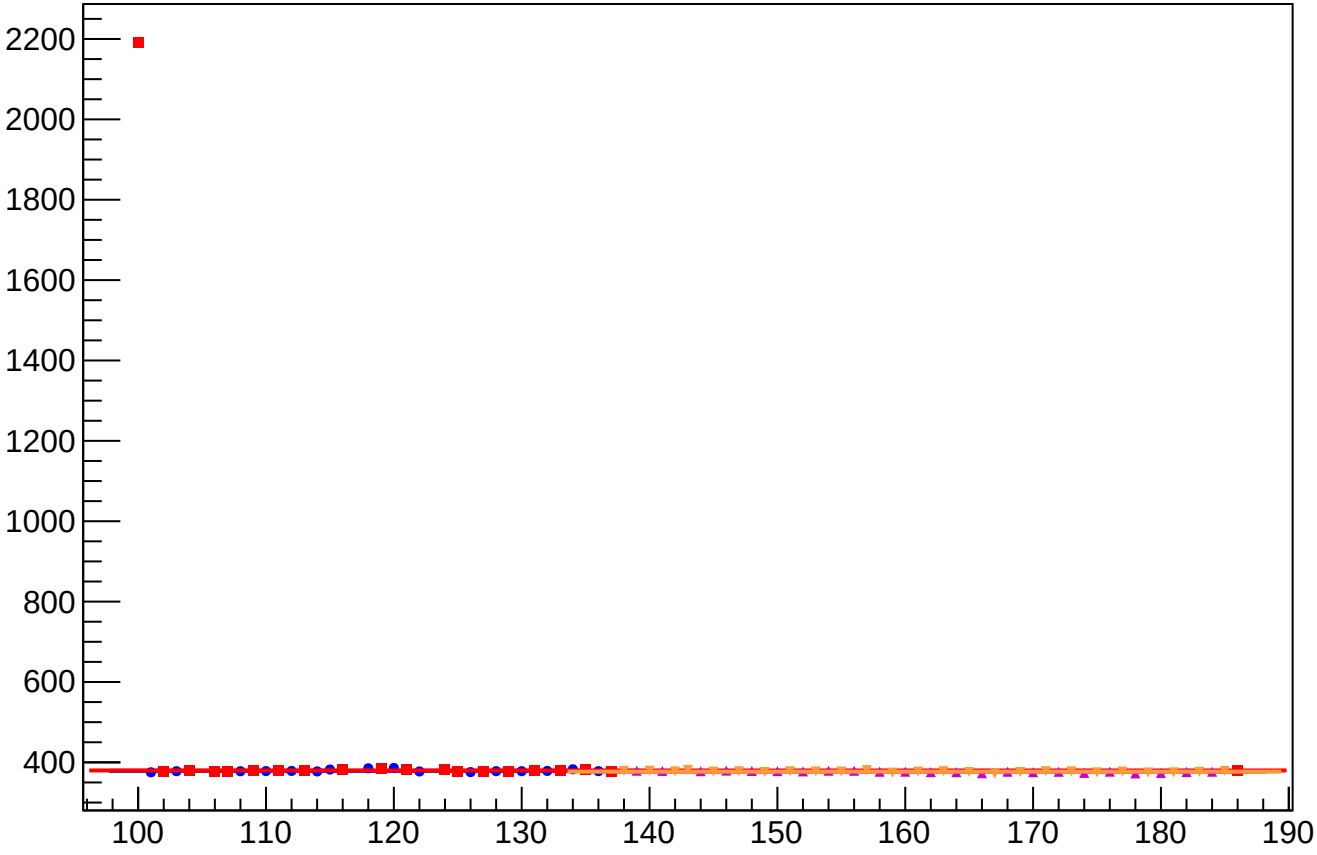
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -25.884+/-73.144 χ^2/NDF: 26.3/40

All: 22.752+/-51.936 χ^2/NDF: 68.2/83

- sign 72.206+/-73.757 χ^2/NDF: 40.9/42

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

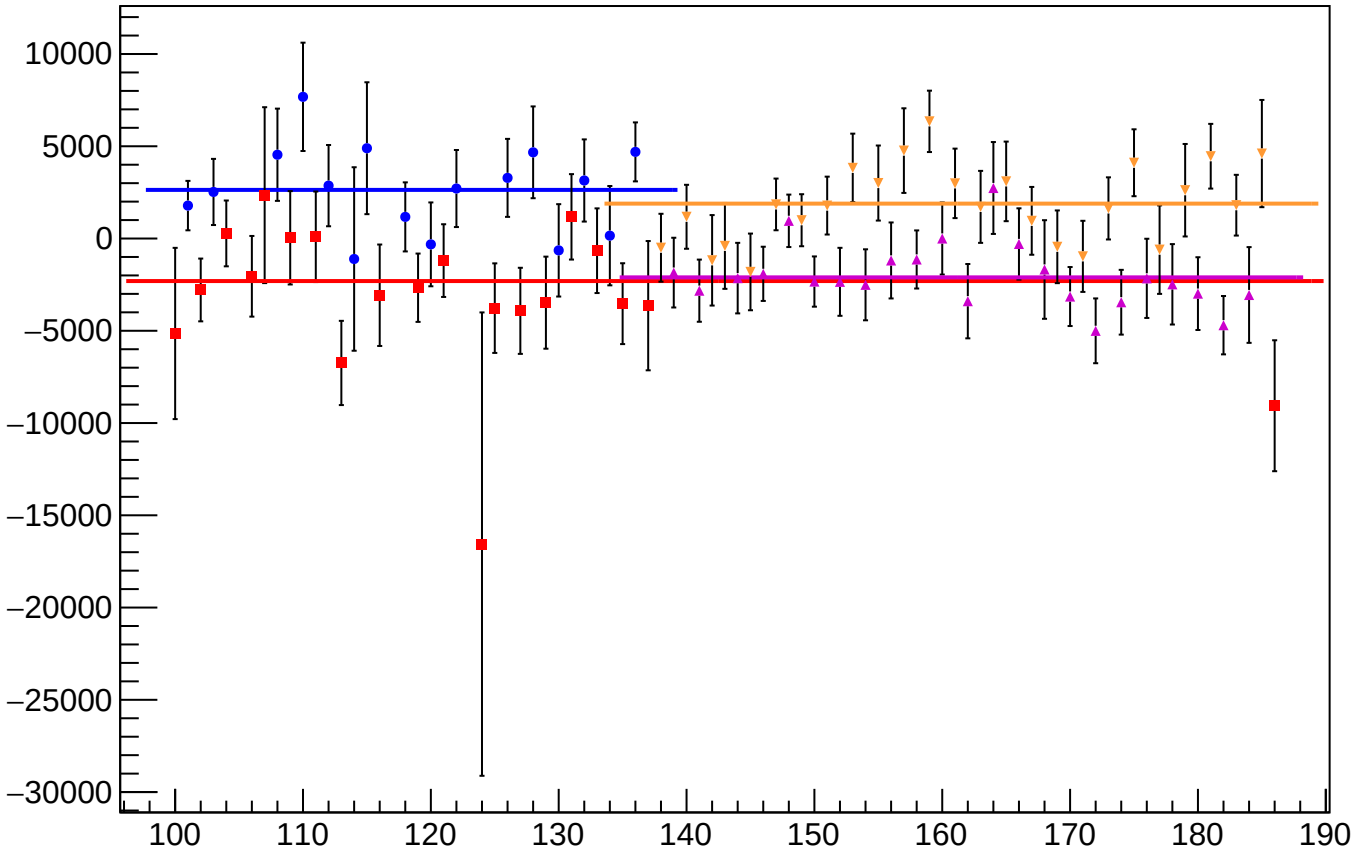
Right Out: 379.850+/-0.096 χ^2/NDF: 99622.9/19

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 377.447+/-0.052 χ^2/NDF: 2205.6/40

All: 377.592+/-0.037 χ^2/NDF: 103611.8/83

- sign 377.739+/-0.052 χ^2/NDF: 101390.4/42



Right In: 2635.397+/-538.034 χ^2/NDF: 12.3/15

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2305.150+/-540.578 χ^2/NDF: 18.8/19

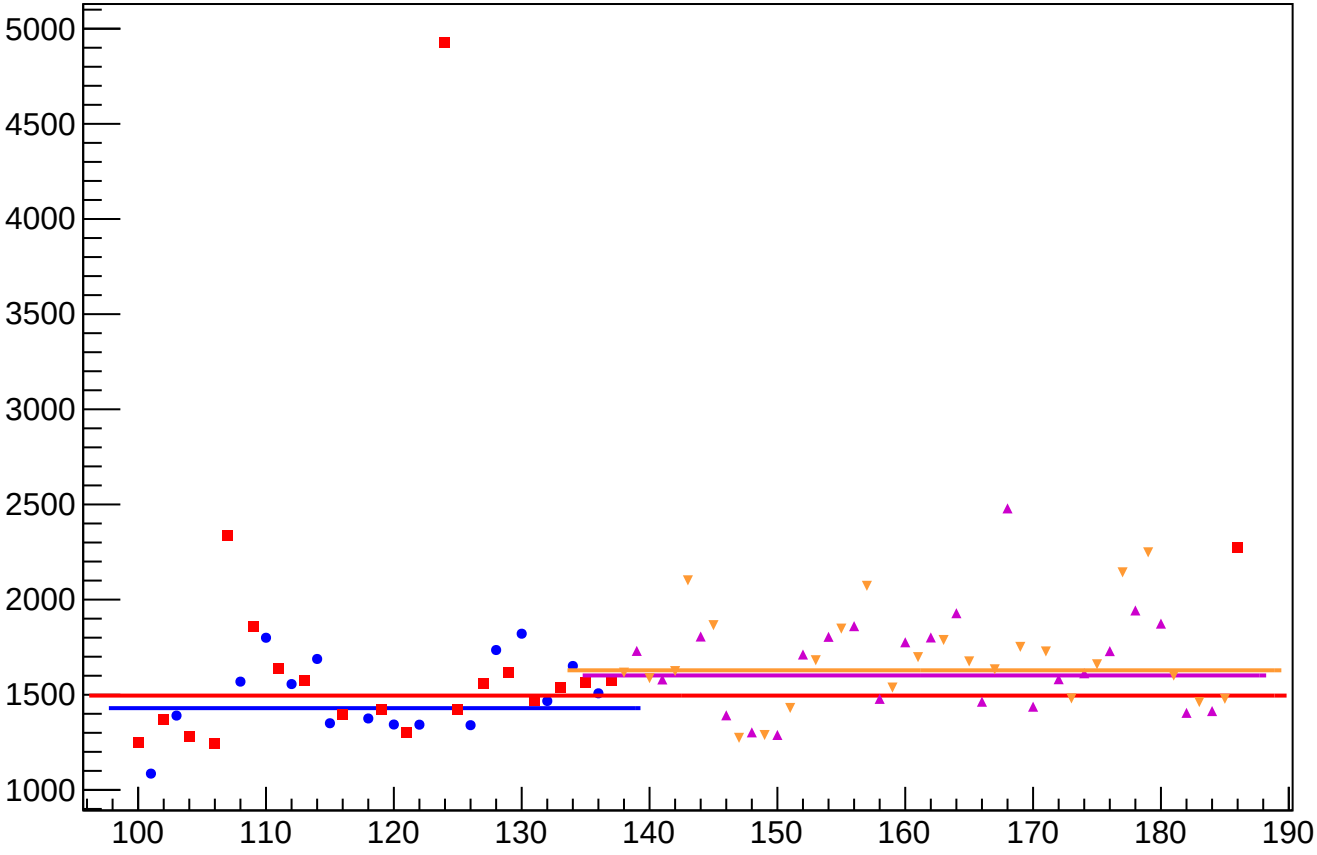
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2134.772+/-307.807 χ^2/NDF: 41.9/40

All: -0.486+/-218.548 χ^2/NDF: 176.4/83

- sign -2171.250+/-310.356 χ^2/NDF: 37.4/42

asym_us_agg_avg_rms vs Slug



Right In: 1429.654+/-0.380 χ^2/NDF: 293388.5/15

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1495.653+/-0.382 χ^2/NDF: 468293.0/19

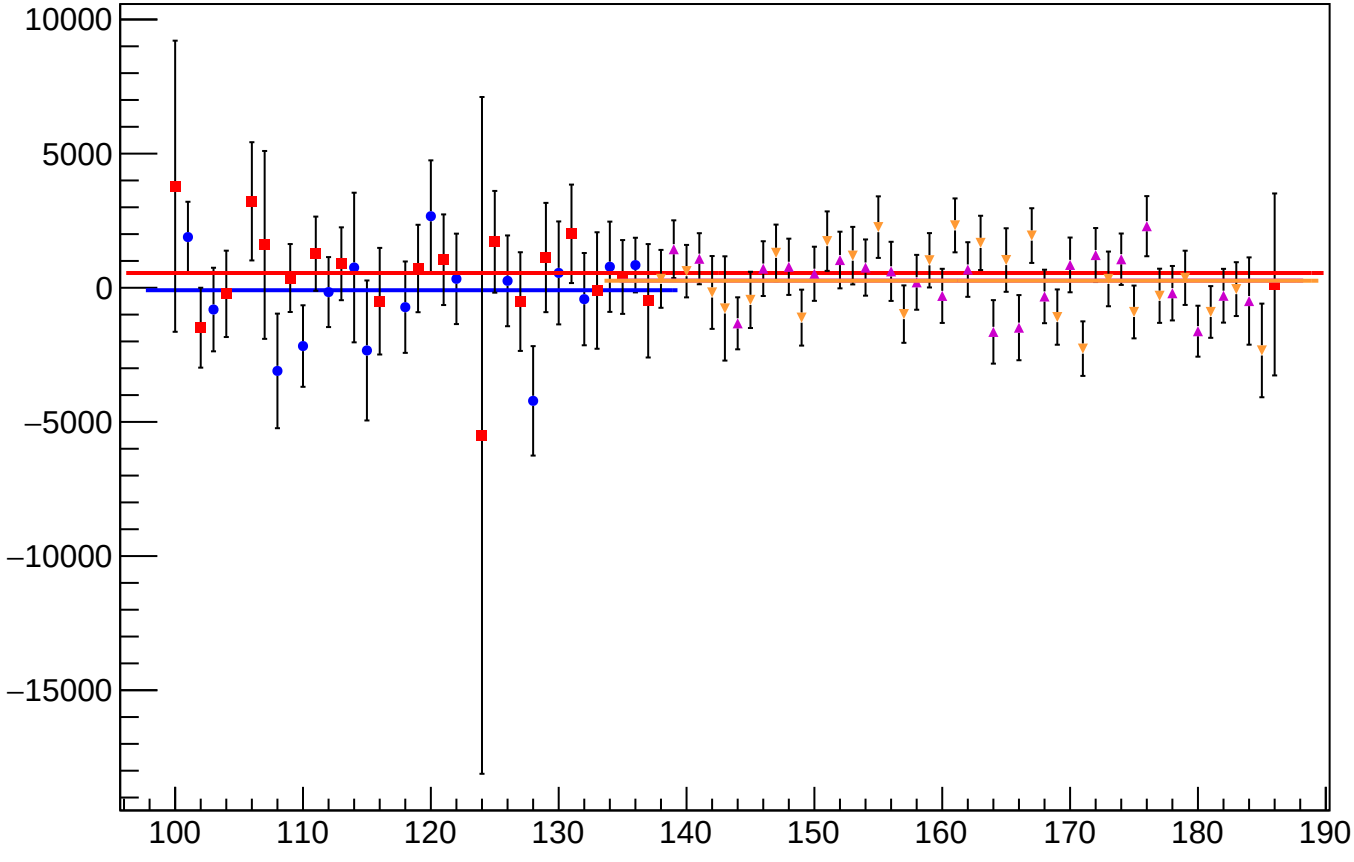
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1563.404+/-0.218 χ^2/NDF: 1256211.8/40

All: 1564.994+/-0.155 χ^2/NDF: 2569734.9/83

- sign 1566.609+/-0.219 χ^2/NDF: 1313415.6/42

asym_us_agg_dd_mean vs Slug



Right In: -91.305+/-409.957 χ^2/NDF: 14.5/15

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 550.566+/-408.353 χ^2/NDF: 6.8/19

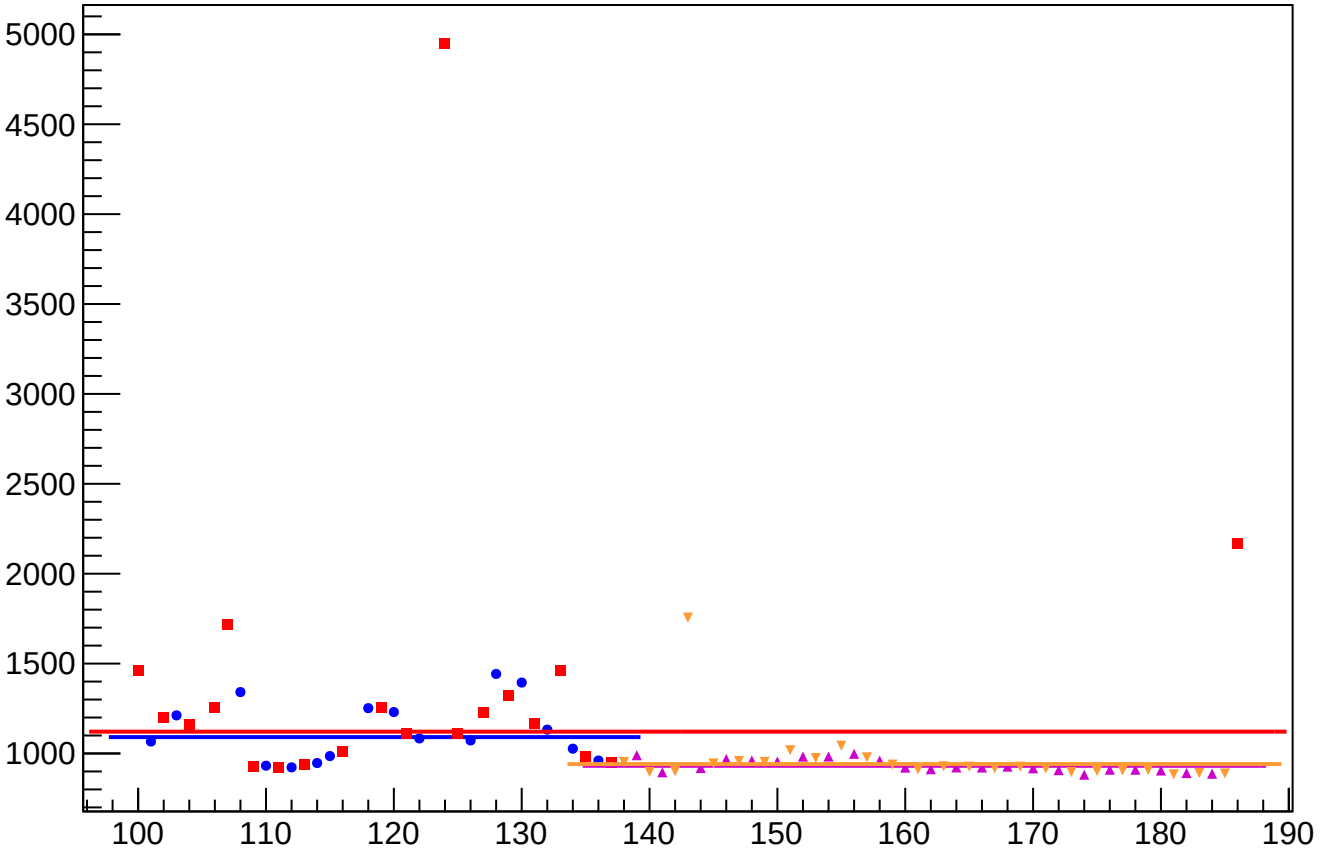
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

\+ sign 186.109+/-190.378 χ^2/NDF: 49.0/40

All: 257.307+/-135.220 χ^2/NDF: 77.8/83

\- sign 329.796+/-192.095 χ^2/NDF: 28.5/42

asym_us_agg_dd_rms vs Slug



Right In: 1091.041+/-0.290 χ^2/NDF: 277304.9/15

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1121.431+/-0.289 χ^2/NDF: 707068.6/19

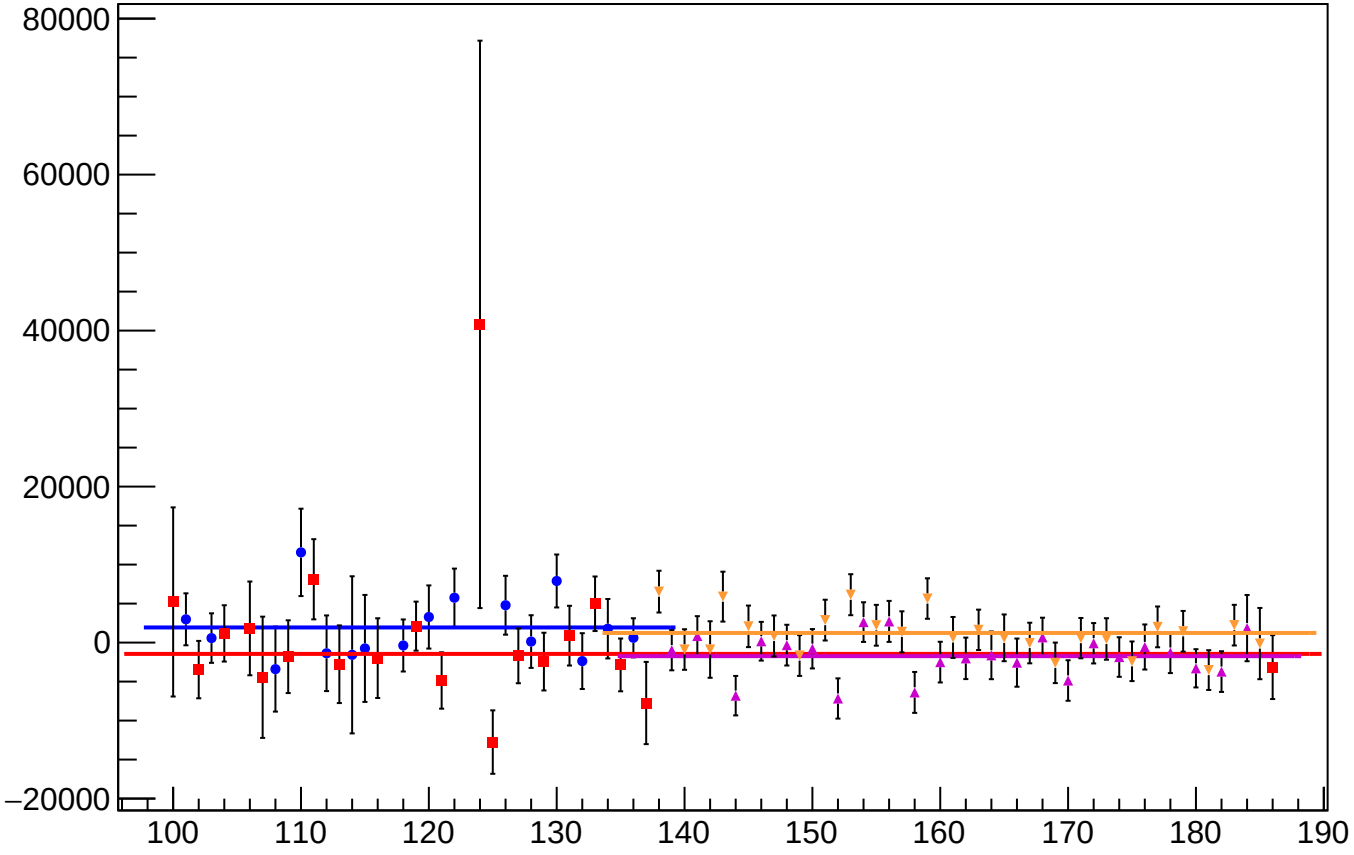
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 973.367+/-0.135 χ^2/NDF: 905104.6/40

All: 973.472+/-0.096 χ^2/NDF: 1997790.3/83

- sign 973.578+/-0.136 χ^2/NDF: 1092684.4/42

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1451.439+/-957.795 χ^2/NDF: 22.0/19

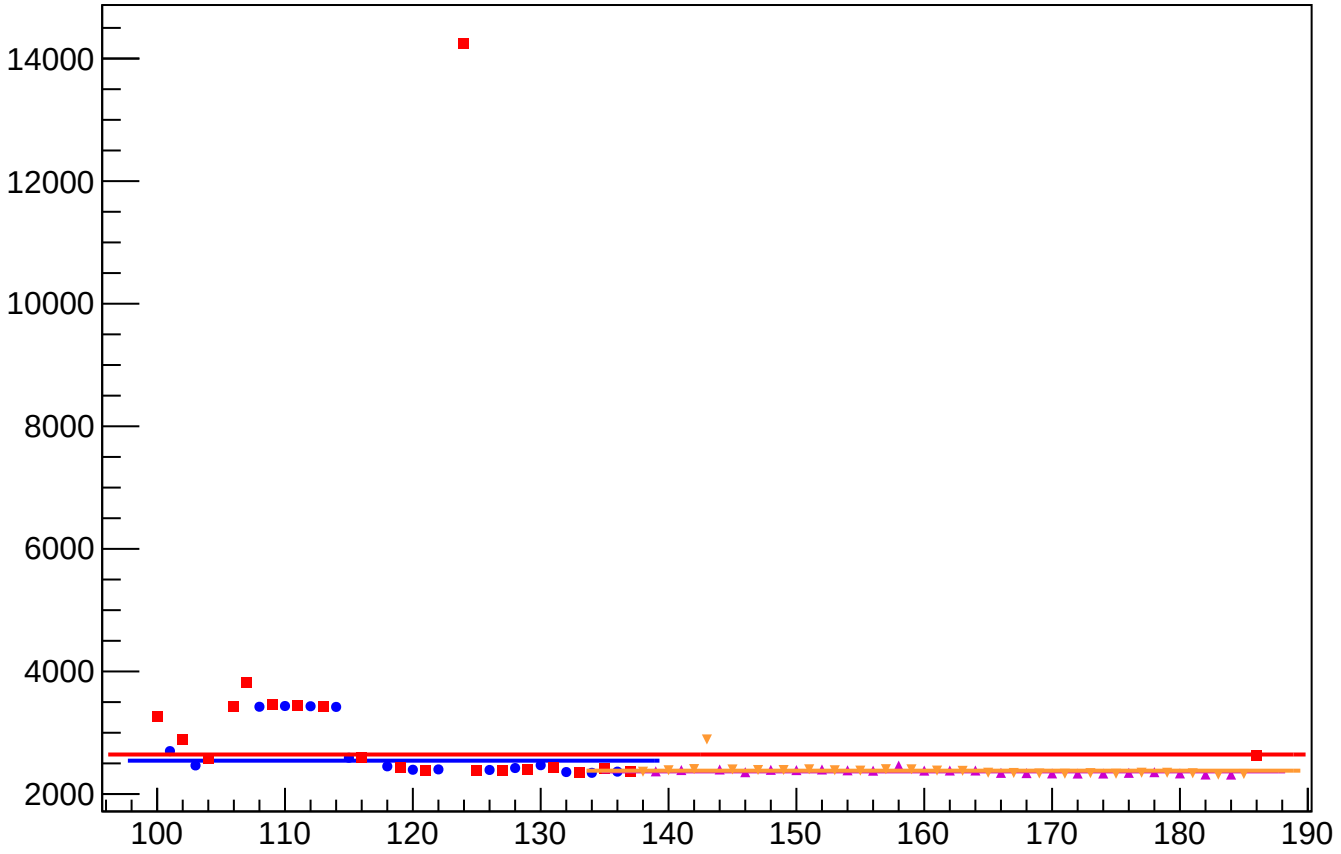
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1406.799+/-470.612 χ^2/NDF: 36.5/40

All: -103.748+/-335.724 χ^2/NDF: 103.9/83

- sign -1669.104+/-479.073 χ^2/NDF: 46.4/42

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2645.026+/-0.677 χ^2/NDF: 536979.7/19

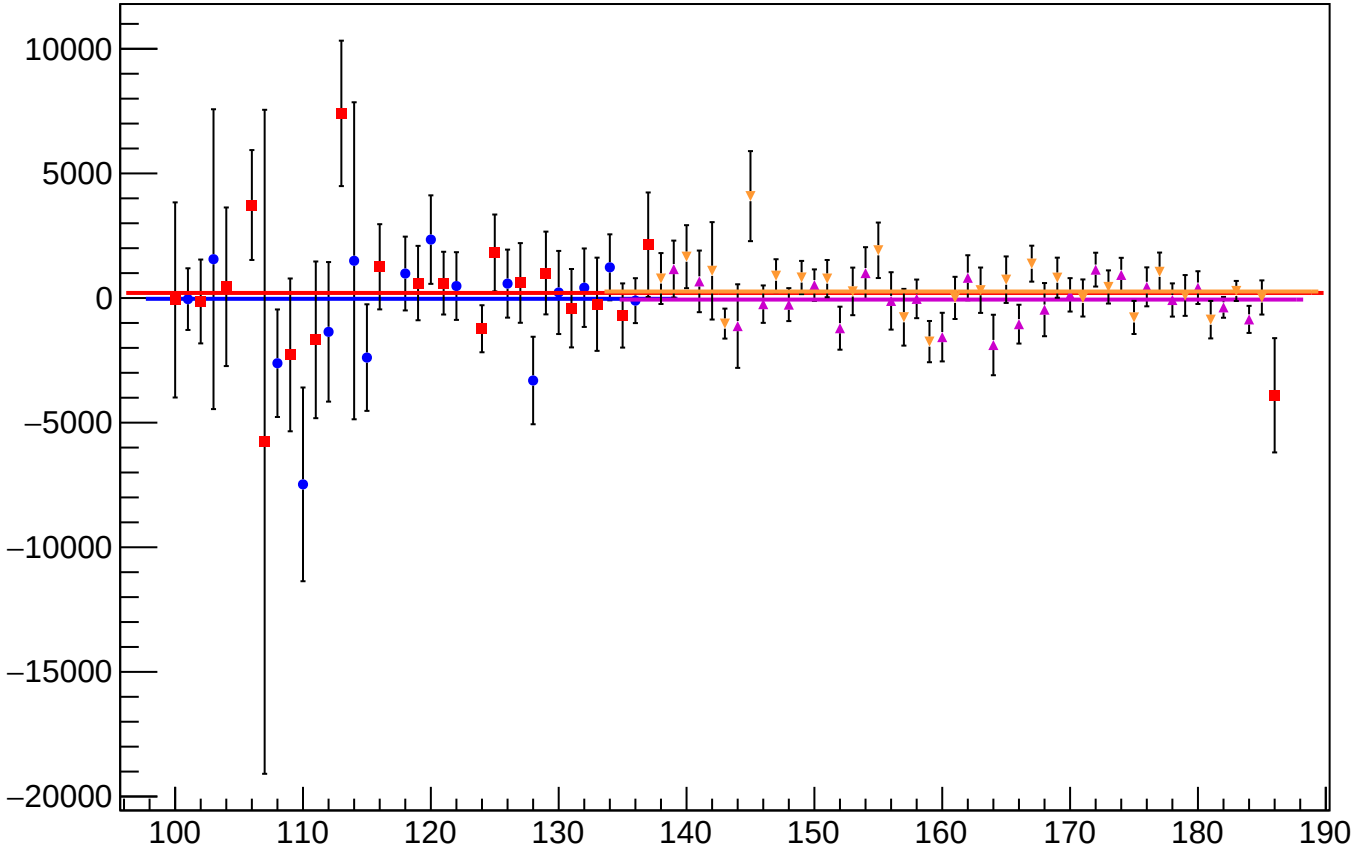
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2421.067+/-0.333 χ^2/NDF: 327605.1/40

All: 2429.552+/-0.237 χ^2/NDF: 997144.9/83

- sign 2438.345+/-0.339 χ^2/NDF: 668215.9/42

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 204.378+/-392.678 χ^2/NDF: 18.9/19

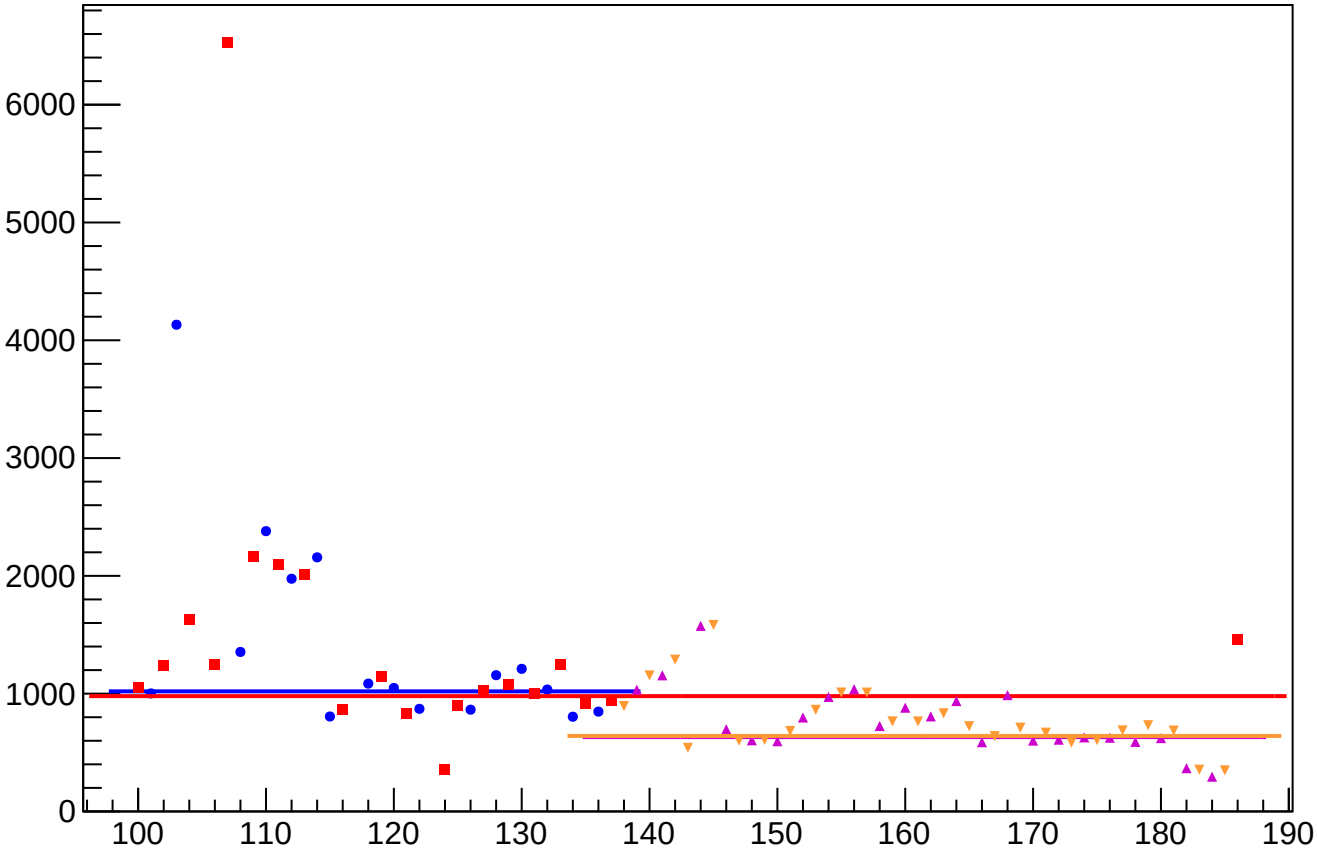
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 224.967+/-143.985 χ^2/NDF: 45.3/40

All: 101.756+/-102.551 χ^2/NDF: 88.2/83

- sign -25.093+/-146.095 χ^2/NDF: 41.3/42

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 978.949+/-0.278 χ^2/NDF: 2400466.7/19

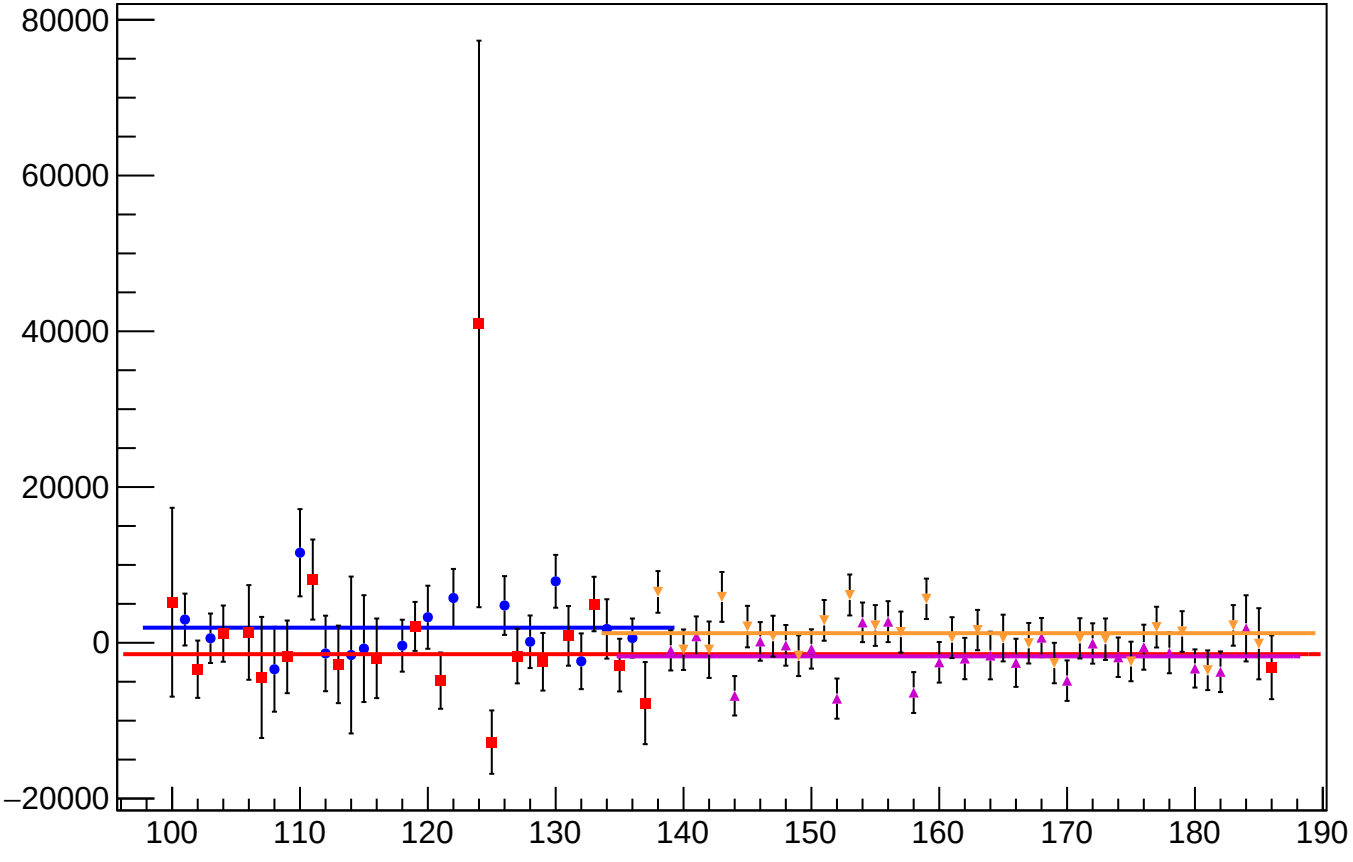
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 688.808+/-0.102 χ^2/NDF: 6359907.7/40

All: 684.140+/-0.073 χ^2/NDF: 14091488.6/83

- sign 679.334+/-0.103 χ^2/NDF: 7727314.0/42

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1460.603+/-958.071 χ^2/NDF: 21.9/19

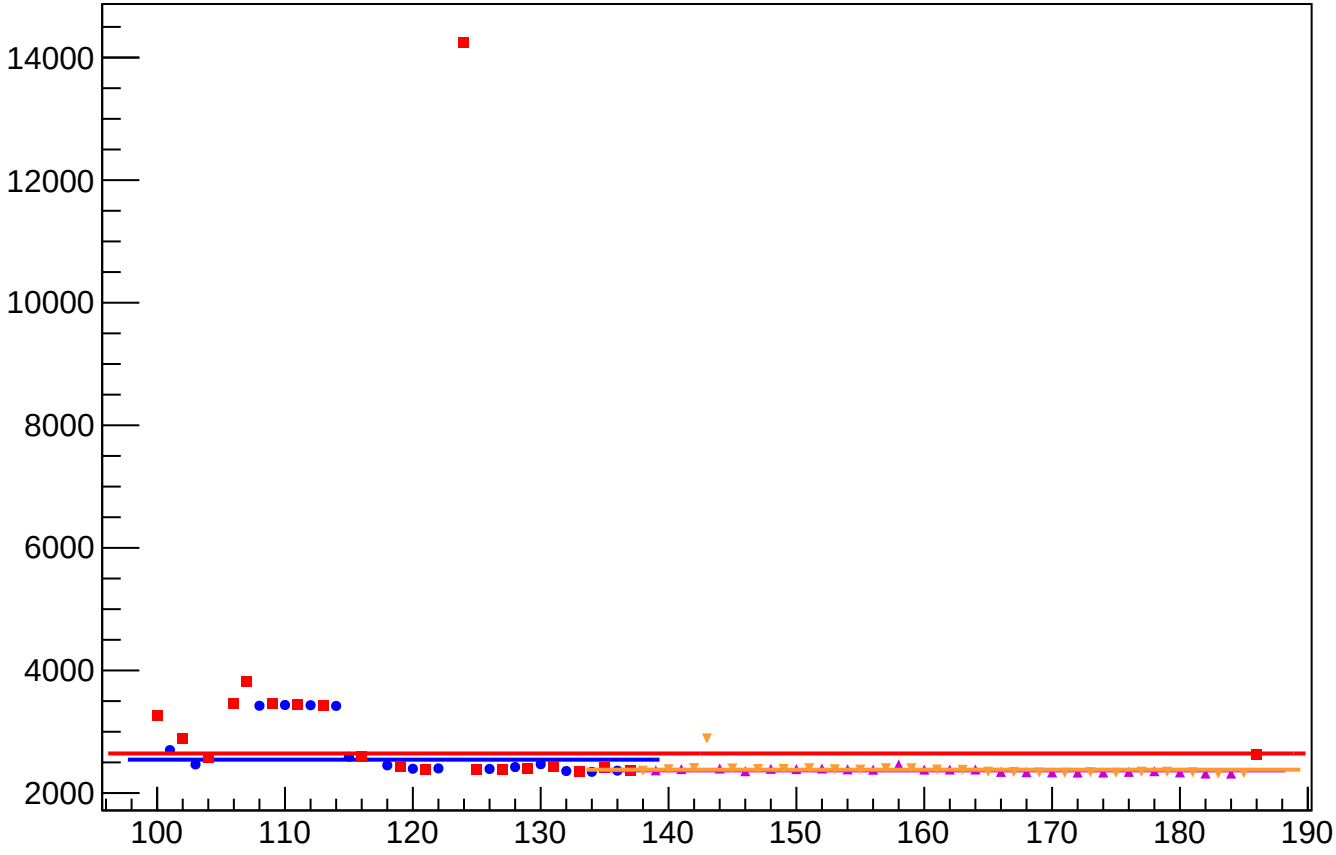
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1406.867+/-470.612 χ^2/NDF: 36.5/40

All: -104.763+/-335.736 χ^2/NDF: 103.9/83

- sign -1671.468+/-479.108 χ^2/NDF: 46.3/42

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2645.551+/-0.677 χ^2/NDF: 539562.8/19

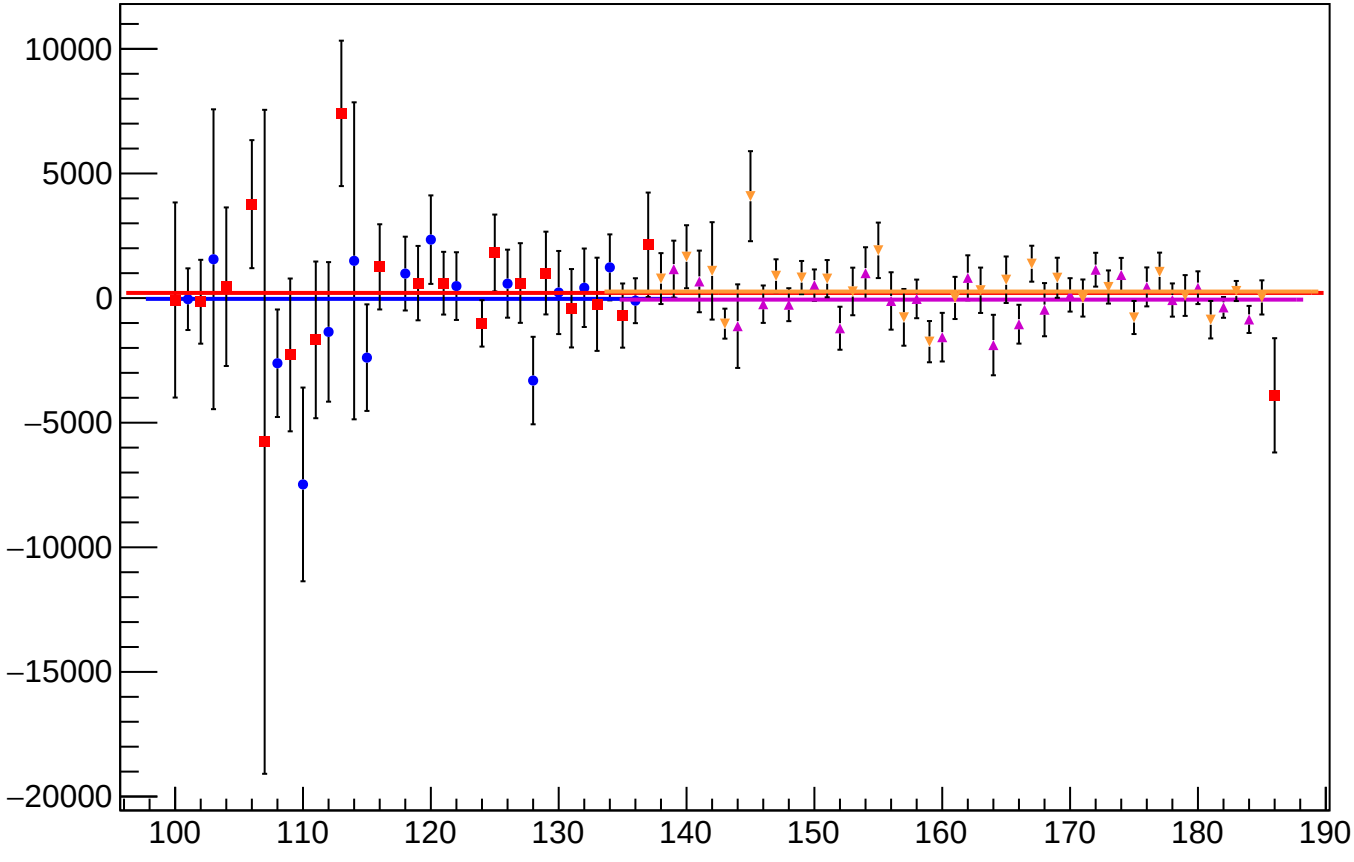
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2421.067+/-0.333 χ^2/NDF: 327605.1/40

All: 2429.602+/-0.237 χ^2/NDF: 1000163.5/83

- sign 2438.447+/-0.339 χ^2/NDF: 671219.0/42

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 207.287+/-393.411 χ^2/NDF: 17.7/19

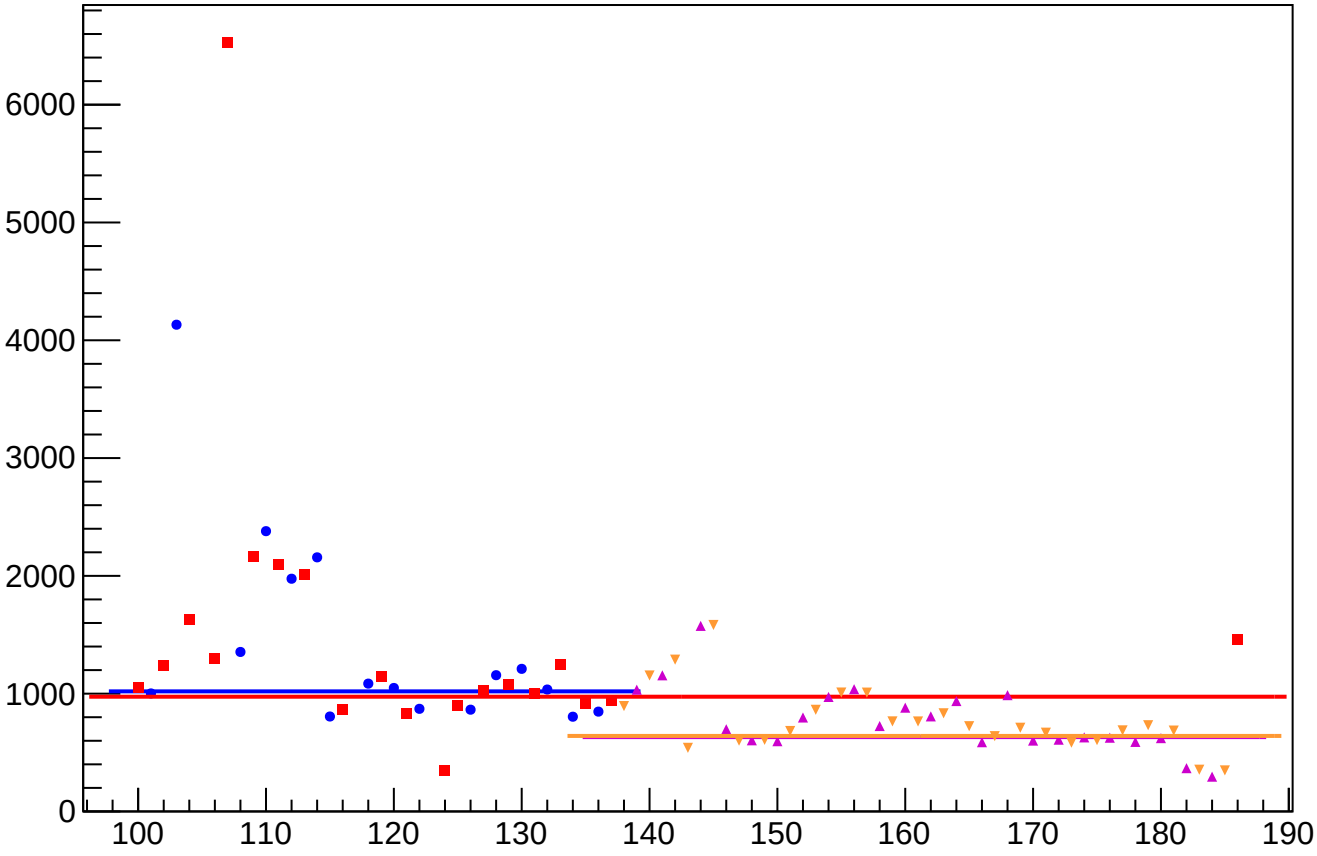
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 225.206+/-143.987 χ^2/NDF: 45.3/40

All: 102.039+/-102.564 χ^2/NDF: 86.9/83

- sign -24.825+/-146.132 χ^2/NDF: 40.1/42

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 974.116+/-0.278 χ^2/NDF: 2437377.6/19

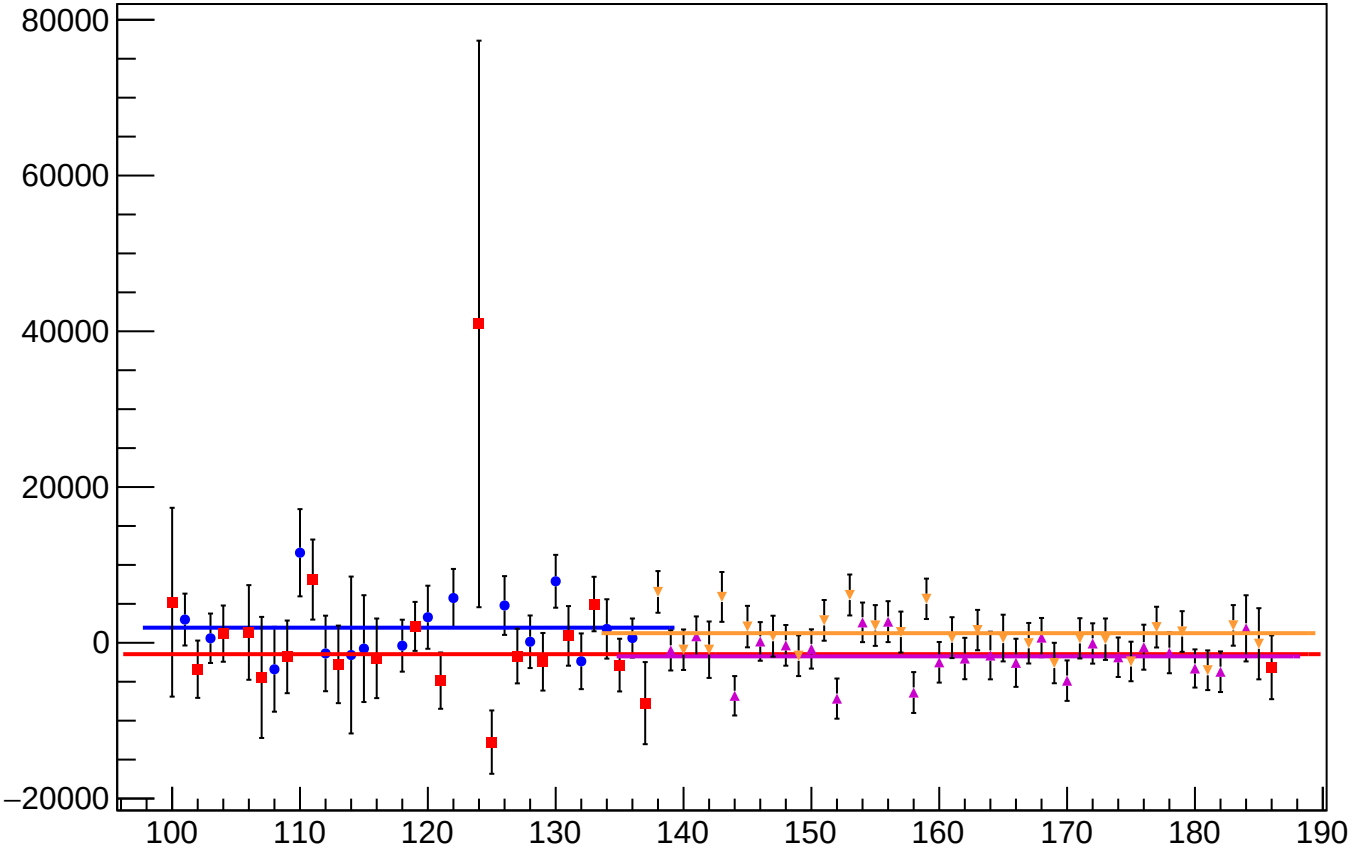
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 688.820+/-0.102 χ^2/NDF: 6359471.0/40

All: 683.742+/-0.073 χ^2/NDF: 14087377.4/83

- sign 678.510+/-0.103 χ^2/NDF: 7722855.1/42

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1460.603+/-958.071 χ^2/NDF: 21.9/19

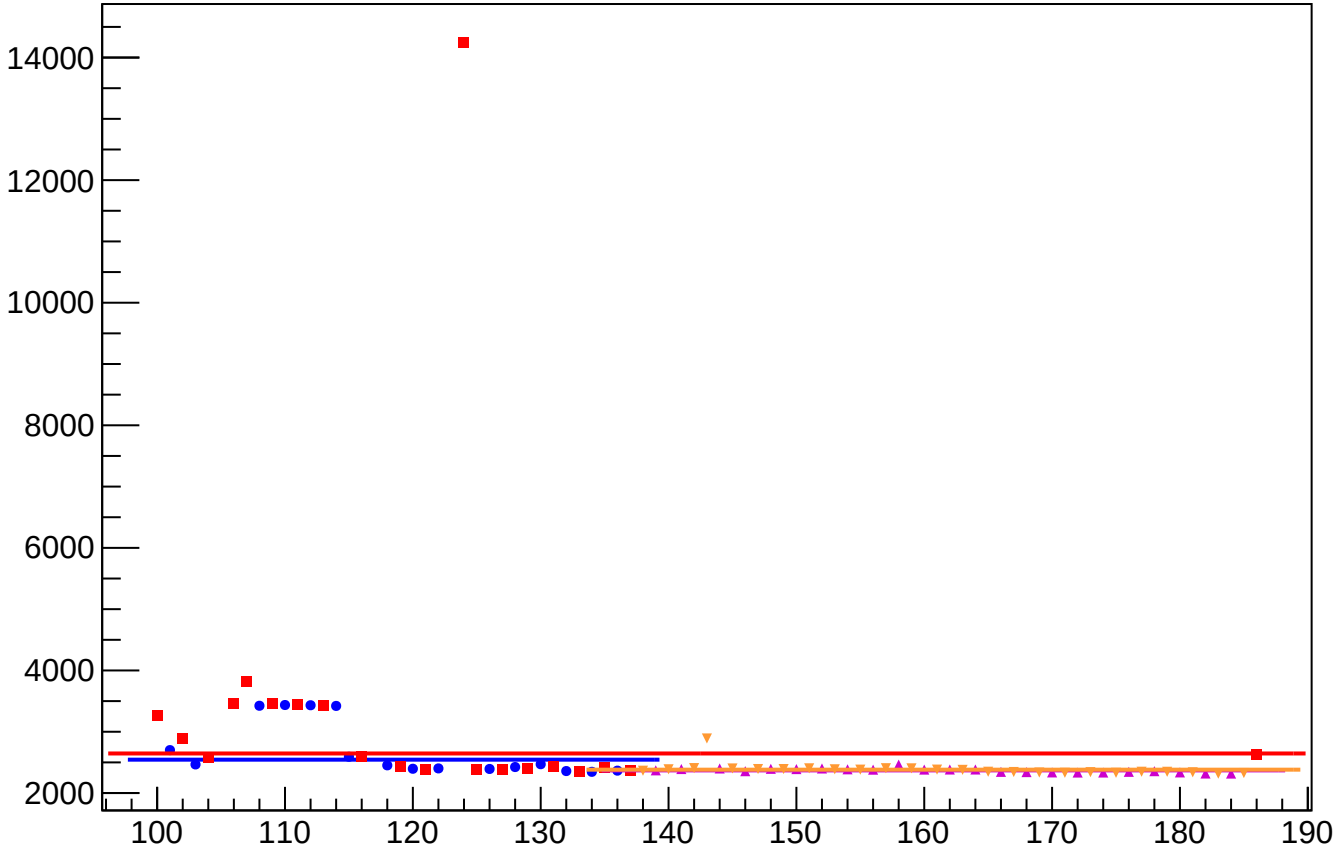
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1406.867+/-470.612 χ^2/NDF: 36.5/40

All: -104.763+/-335.736 χ^2/NDF: 103.9/83

- sign -1671.468+/-479.108 χ^2/NDF: 46.3/42

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2645.551+/-0.677 χ^2/NDF: 539562.8/19

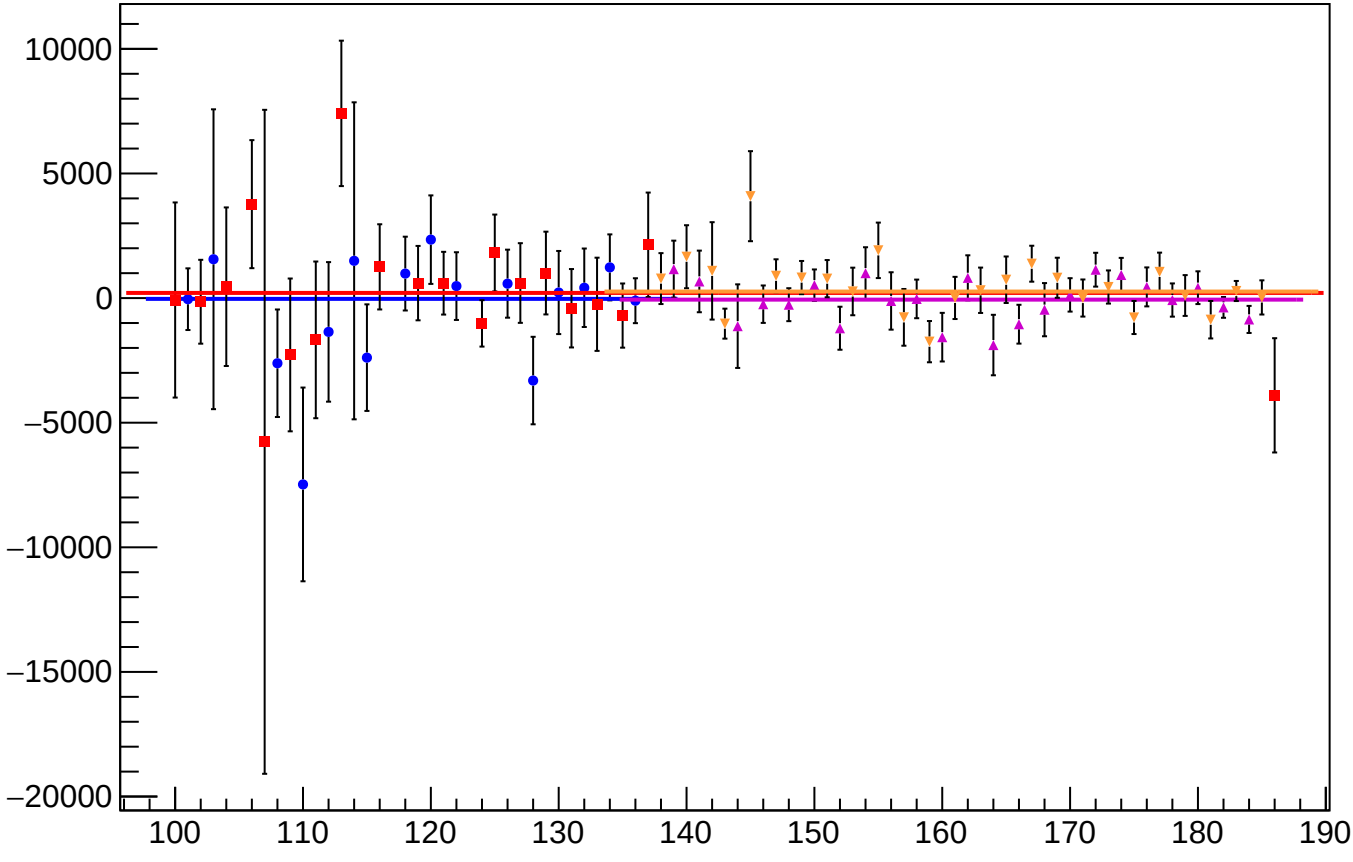
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2421.067+/-0.333 χ^2/NDF: 327605.1/40

All: 2429.602+/-0.237 χ^2/NDF: 1000163.5/83

- sign 2438.447+/-0.339 χ^2/NDF: 671219.0/42

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 207.287+/-393.411 χ^2/NDF: 17.7/19

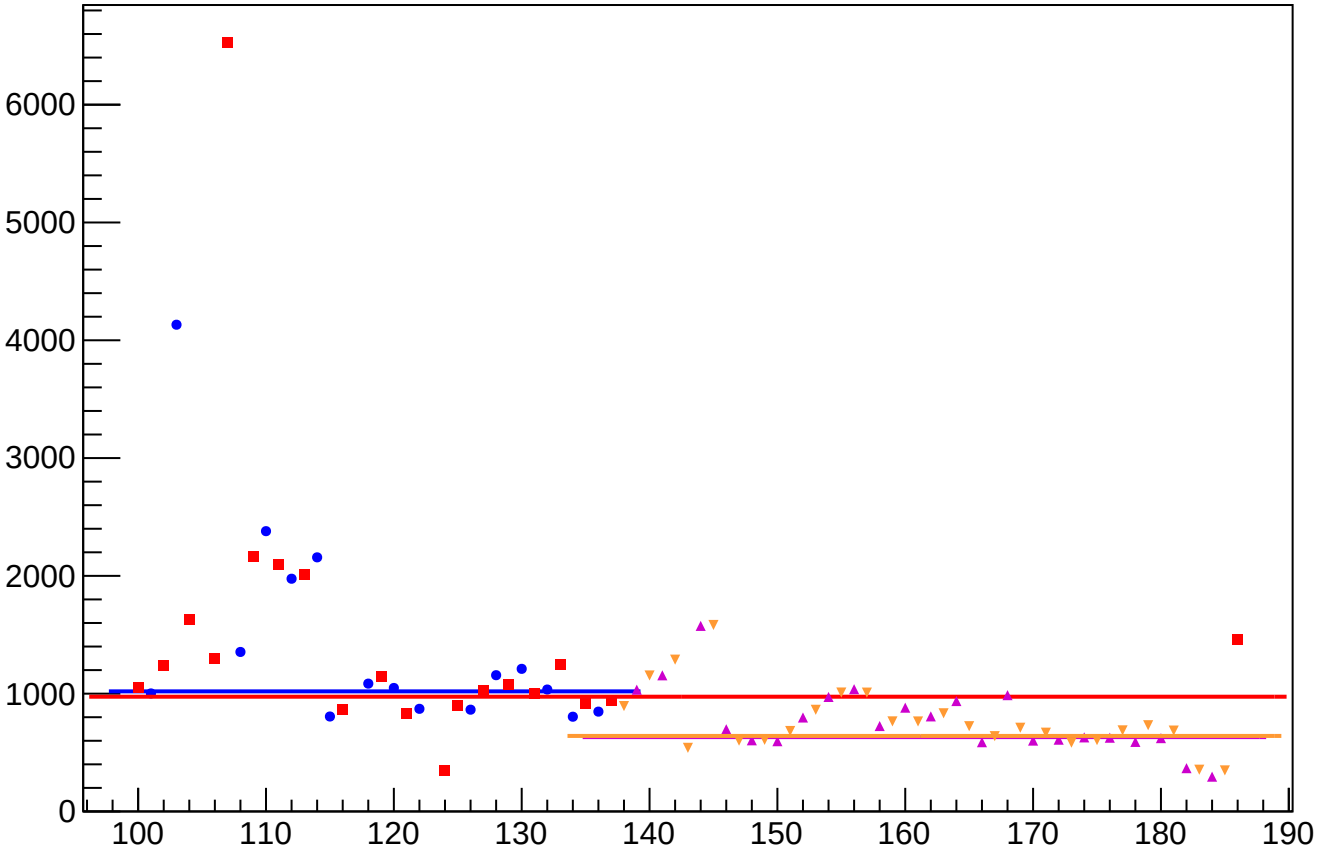
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 225.206+/-143.987 χ^2/NDF: 45.3/40

All: 102.039+/-102.564 χ^2/NDF: 86.9/83

- sign -24.825+/-146.132 χ^2/NDF: 40.1/42

asym_atl1_eigen_cor_correction_rms vs Slug



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Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

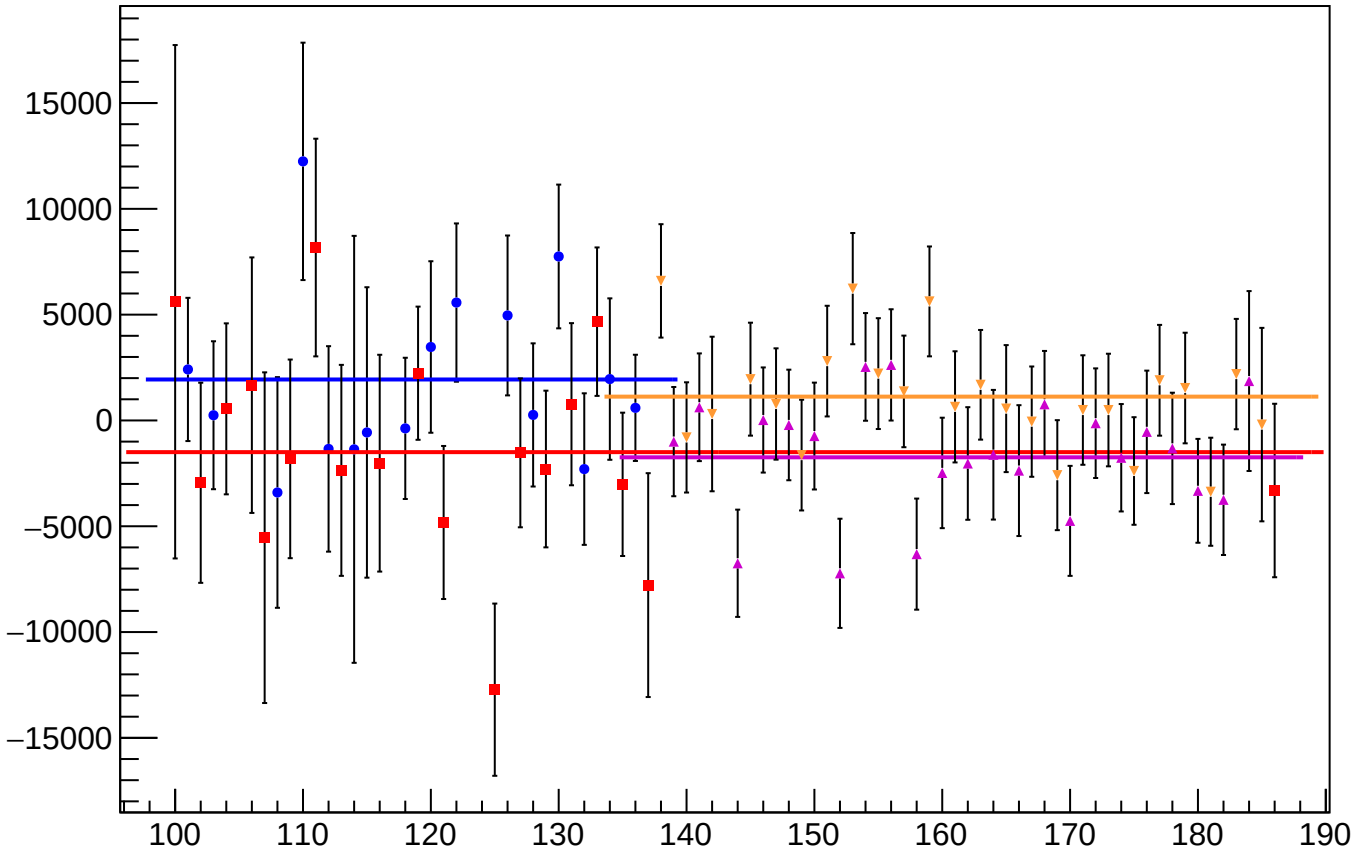
Right Out: 974.116+/-0.278 χ^2/NDF: 2437377.6/19

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

\+ sign 688.820+/-0.102 χ^2/NDF: 6359471.0/40

All: 683.742+/-0.073 χ^2/NDF: 14087377.4/83

\- sign 678.510+/-0.103 χ^2/NDF: 7722855.1/42



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1497.436+/-979.850 χ^2/NDF: 20.0/18

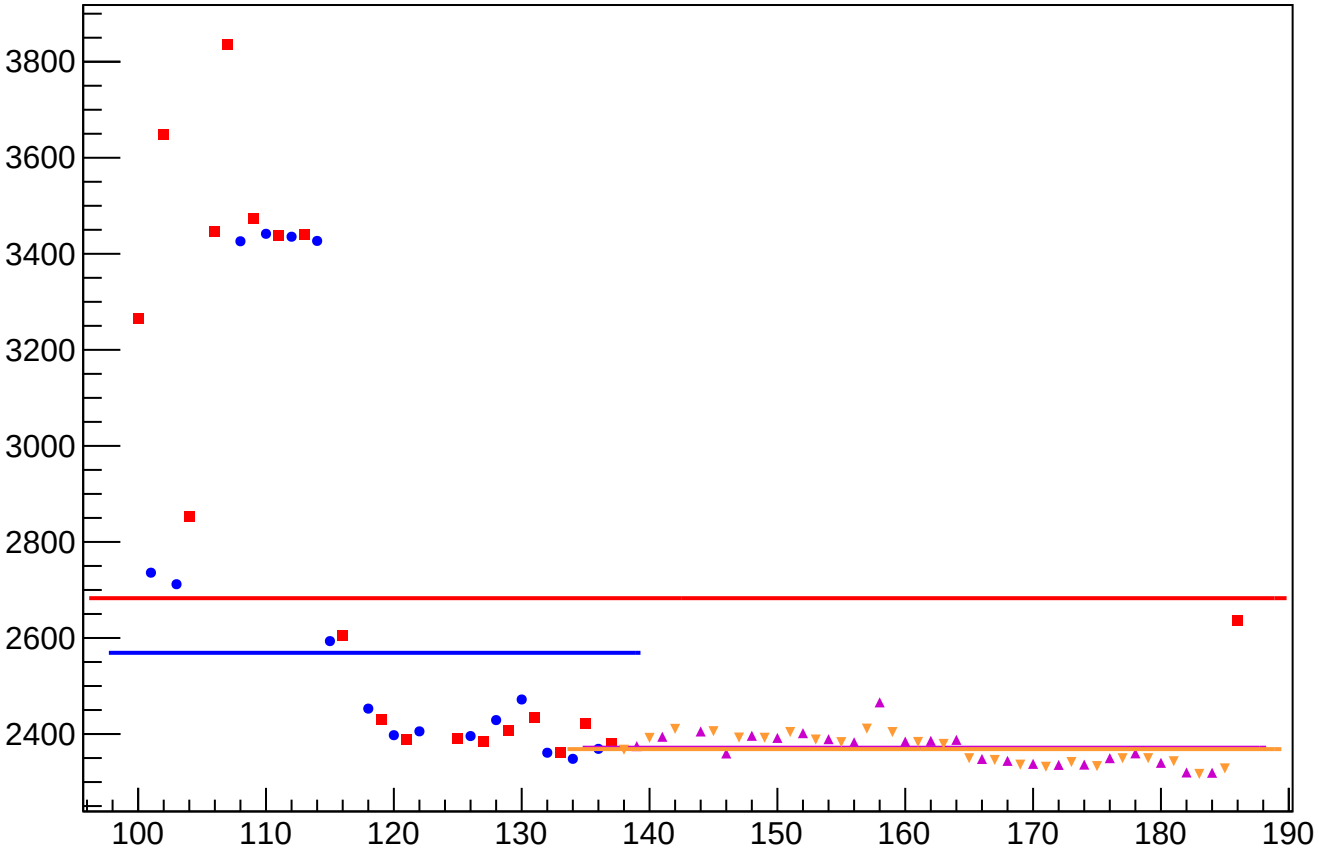
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1325.017+/-477.403 χ^2/NDF: 34.1/39

All: -164.301+/-339.221 χ^2/NDF: 97.5/81

- sign -1683.029+/-482.094 χ^2/NDF: 43.8/41

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

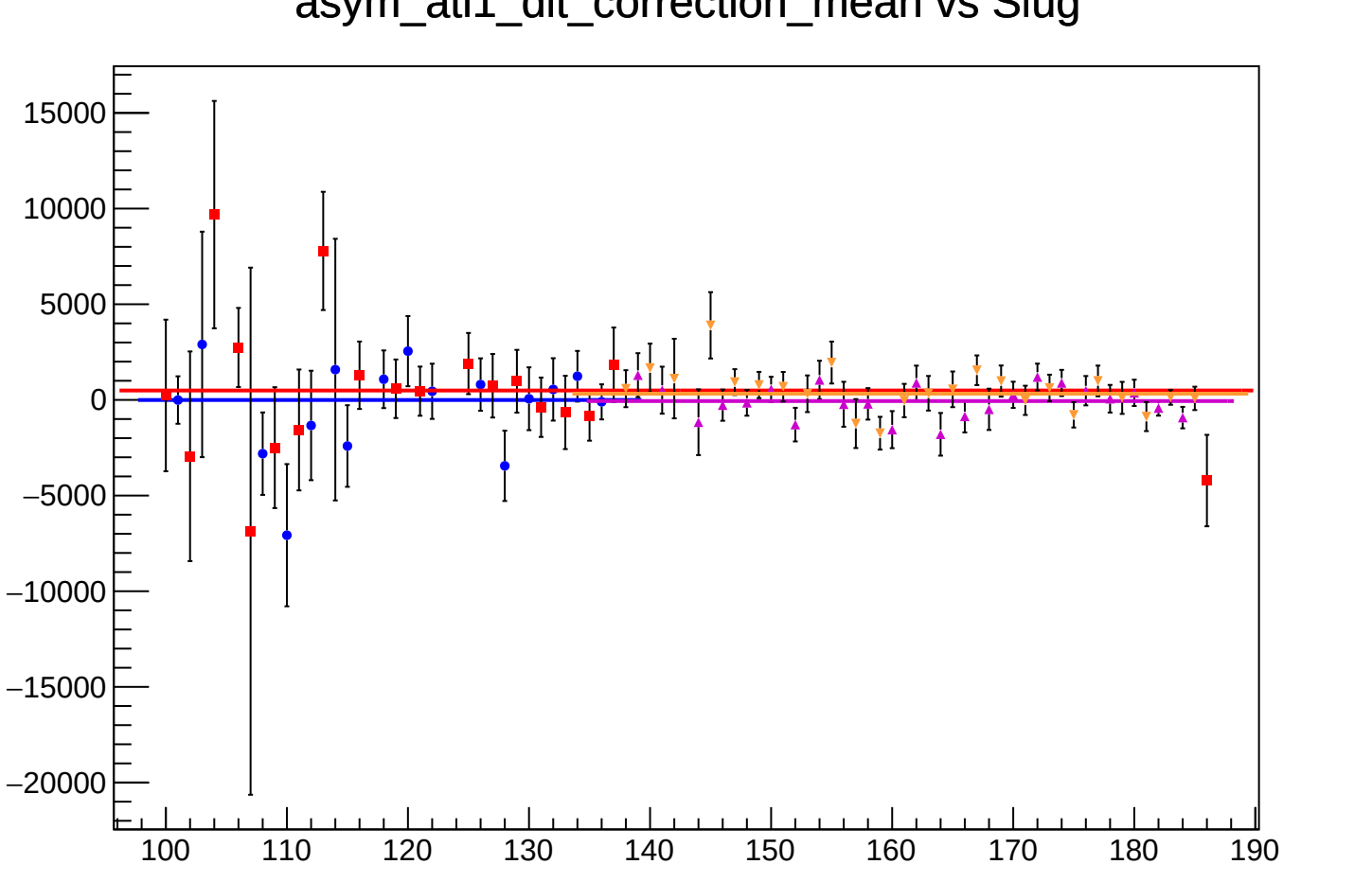
Right Out: 2682.887+/-0.693 χ^2/NDF: 419531.9/18

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2417.929+/-0.338 χ^2/NDF: 300551.0/39

All: 2432.269+/-0.240 χ^2/NDF: 883850.8/81

- sign 2446.892+/-0.341 χ^2/NDF: 579655.3/41



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 491.156+/-452.194 χ^2/NDF: 18.4/18

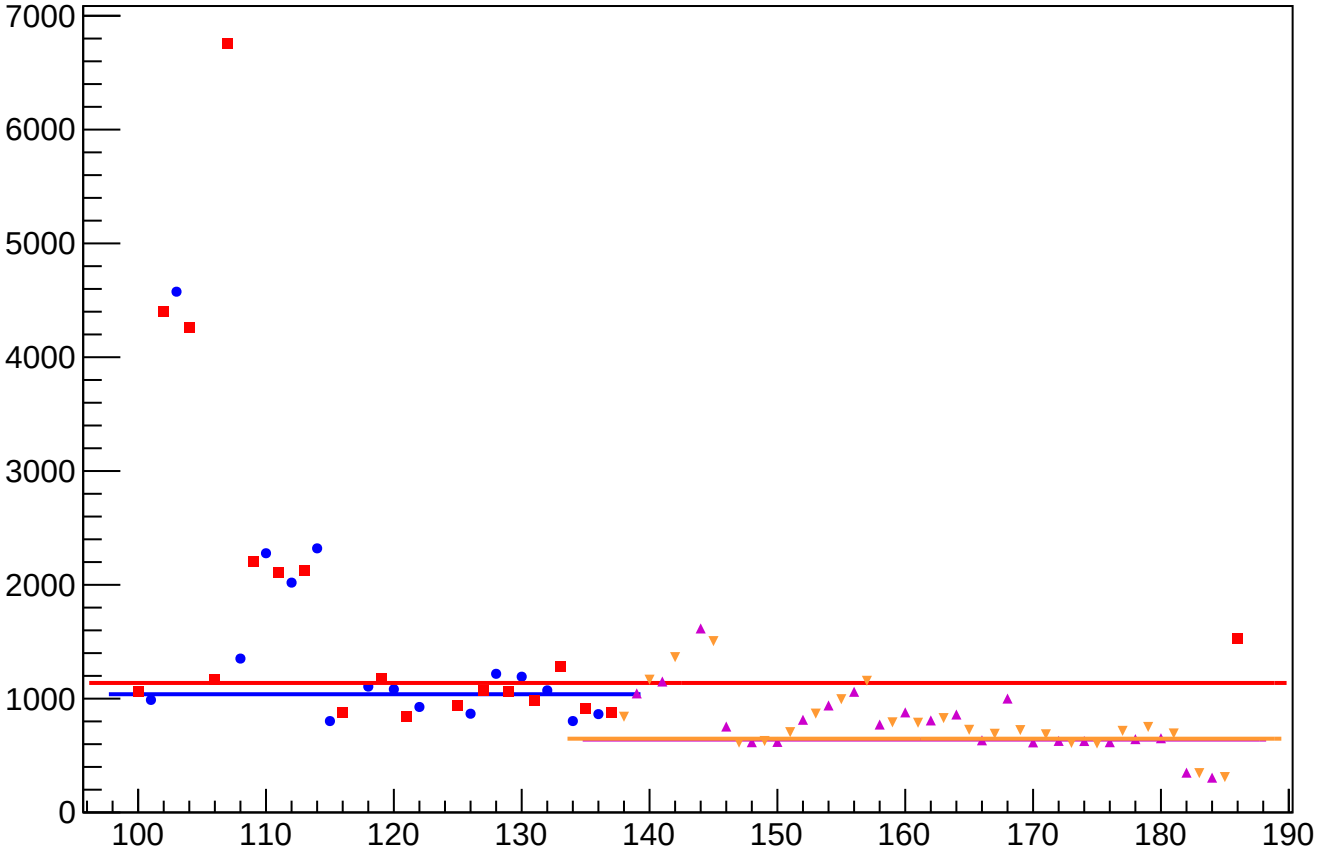
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

\+ sign 282.587+/-149.193 χ^2/NDF: 41.9/39

All: 143.294+/-105.975 χ^2/NDF: 86.0/81

\- sign 1.439+/-150.559 χ^2/NDF: 42.4/41

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

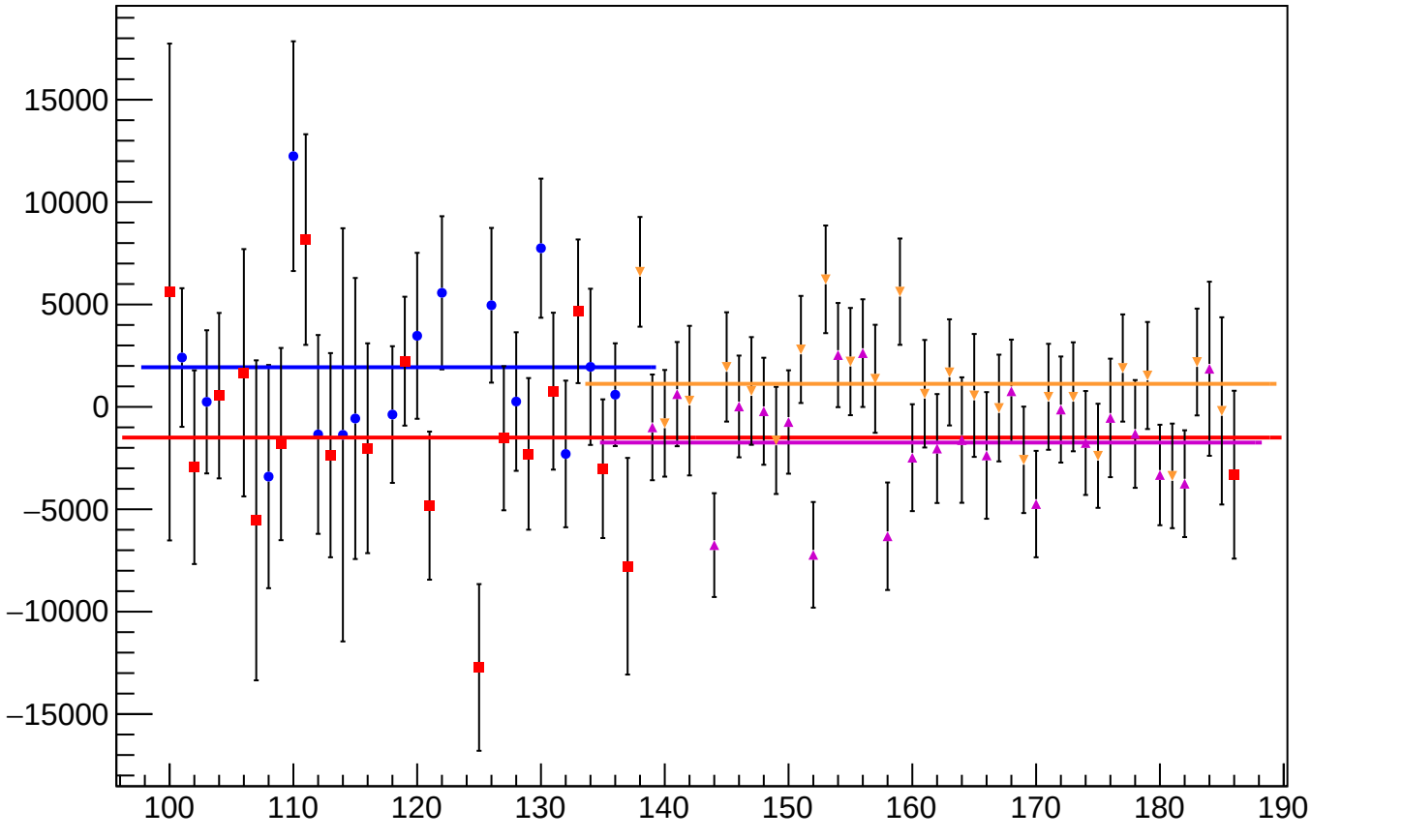
Right Out: 1137.828+/-0.320 χ^2/NDF: 2589783.7/18

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 699.272+/-0.105 χ^2/NDF: 6987852.3/39

All: 697.434+/-0.075 χ^2/NDF: 15858672.6/81

- sign 695.563+/-0.106 χ^2/NDF: 8870208.1/41



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1497.433+/-979.850 χ^2/NDF: 20.0/18

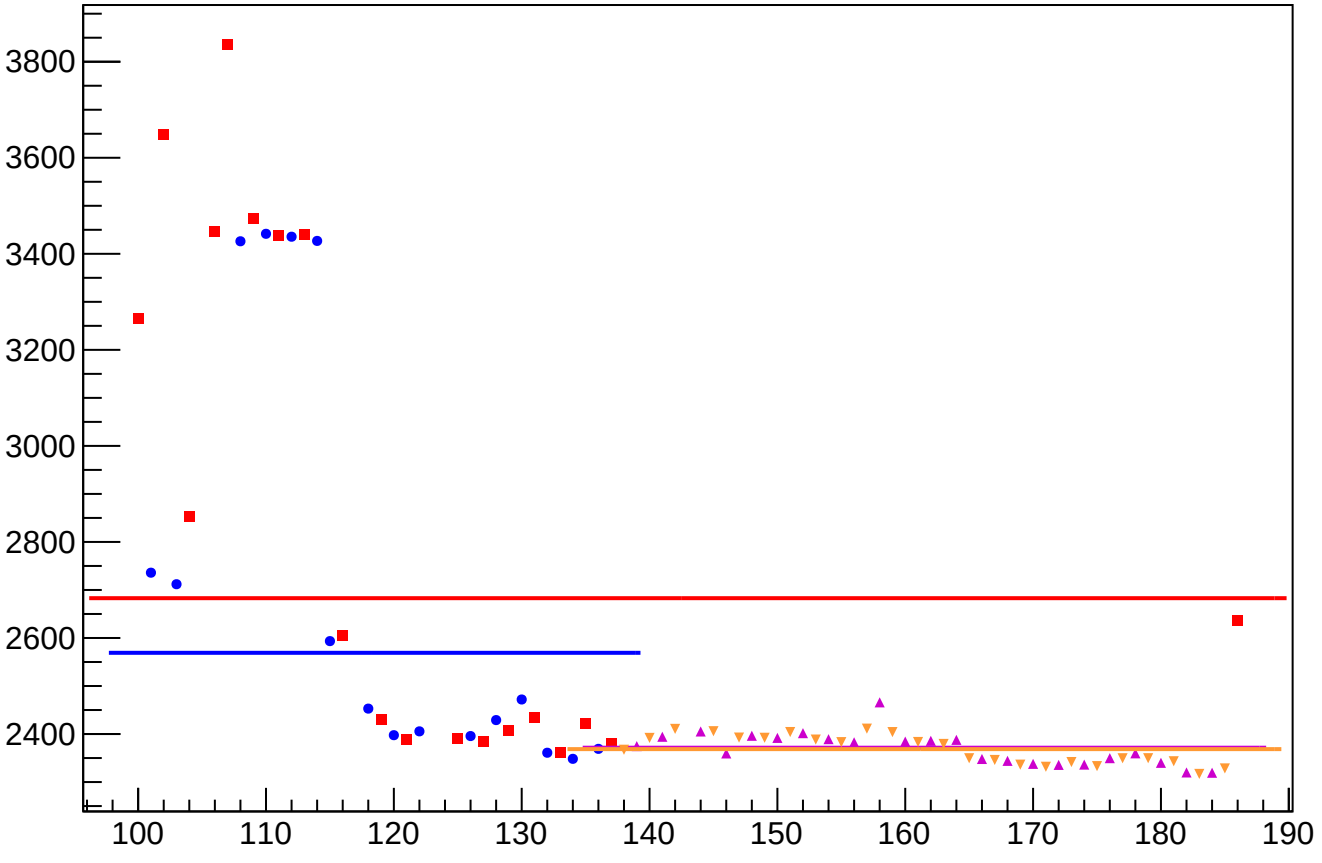
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1325.017+/-477.403 χ^2/NDF: 34.1/39

All: -164.301+/-339.221 χ^2/NDF: 97.5/81

- sign -1683.029+/-482.094 χ^2/NDF: 43.8/41

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2682.887+/-0.693 χ^2/NDF: 419531.3/18

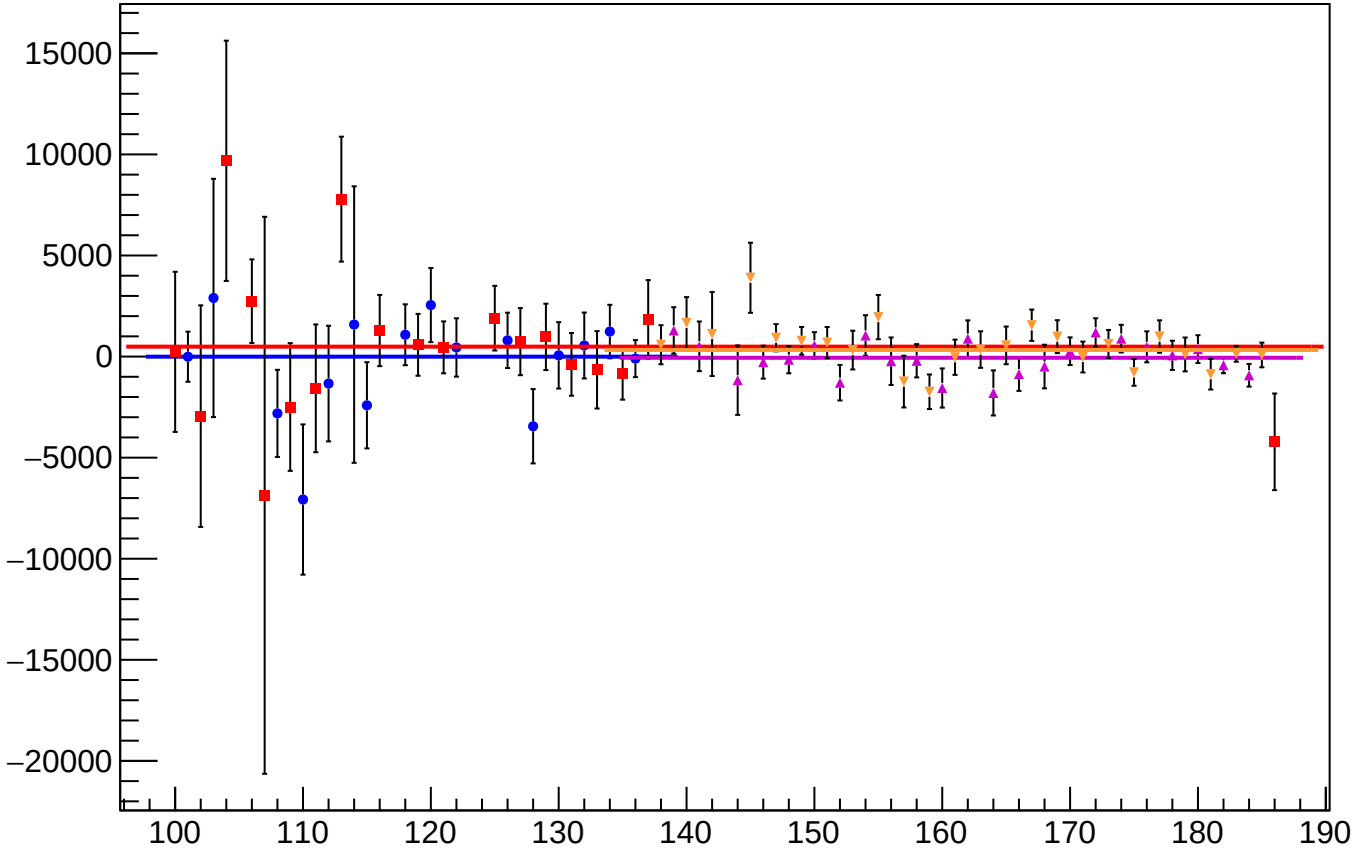
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2417.929+/-0.338 χ^2/NDF: 300550.6/39

All: 2432.269+/-0.240 χ^2/NDF: 883849.4/81

- sign 2446.892+/-0.341 χ^2/NDF: 579654.4/41

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 491.156+/-452.194 χ^2/NDF: 18.4/18

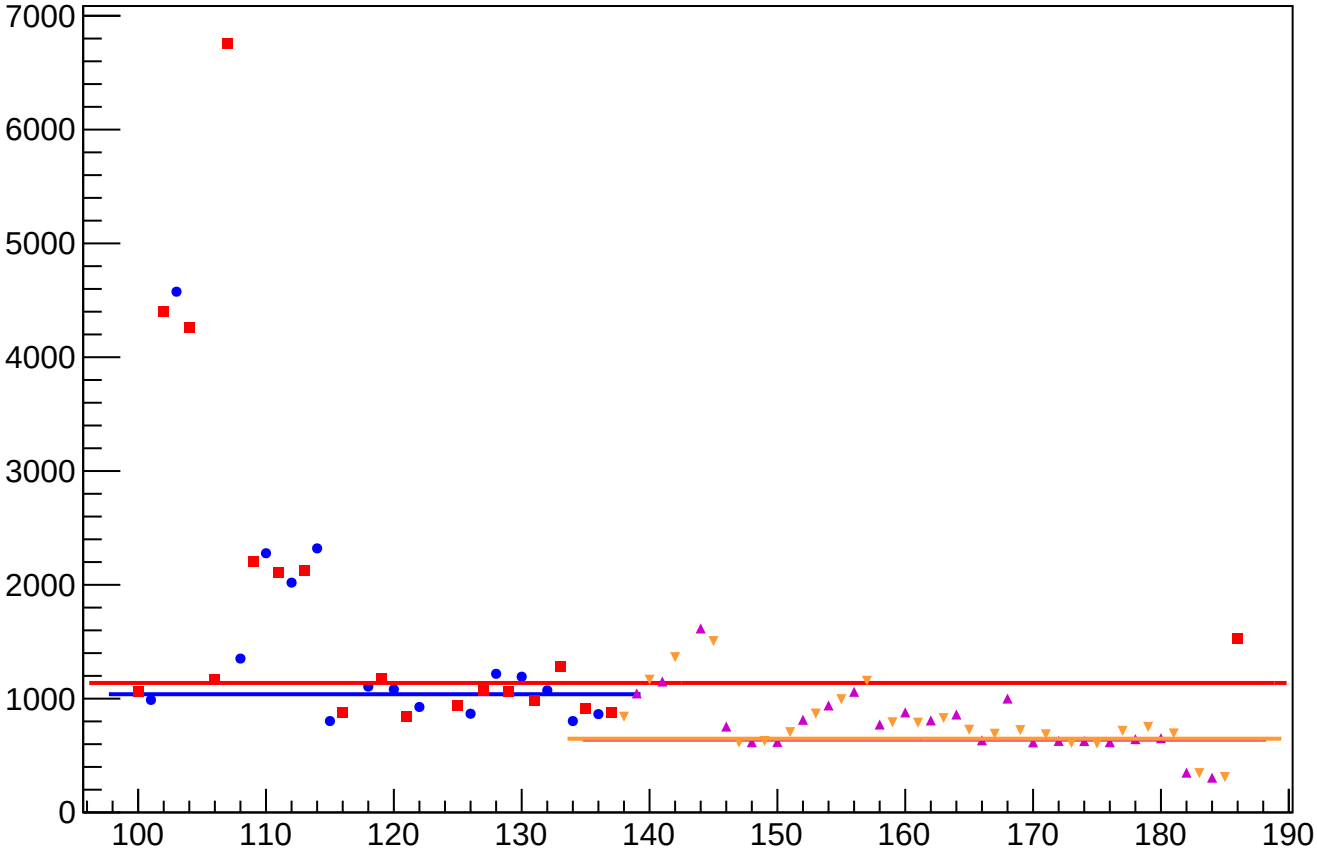
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

\+ sign 282.586+/-149.193 χ^2/NDF: 41.9/39

All: 143.294+/-105.975 χ^2/NDF: 86.0/81

\- sign 1.439+/-150.559 χ^2/NDF: 42.4/41

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 1137.828+/-0.320 χ^2/NDF: 2589781.6/18

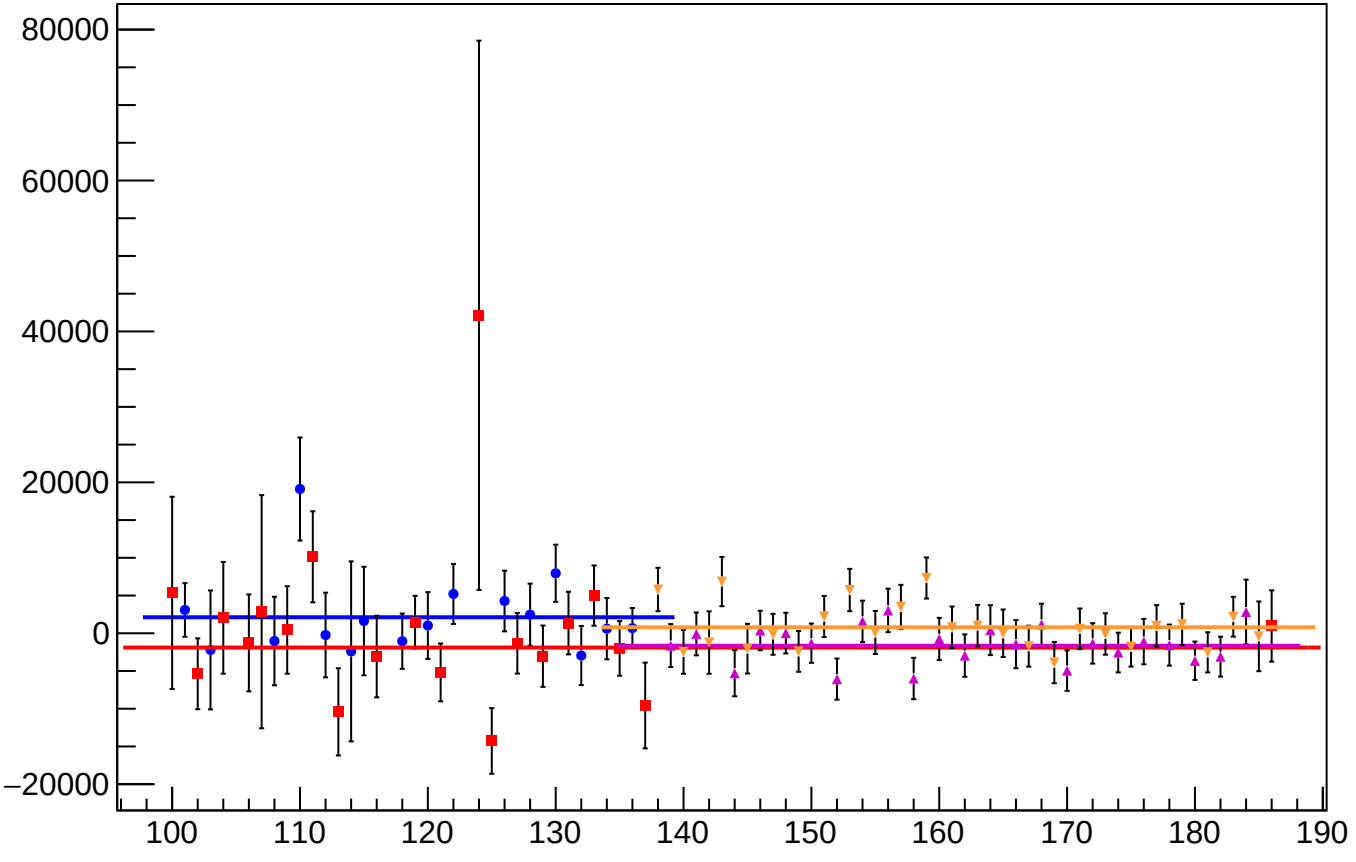
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 699.273+/-0.105 χ^2/NDF: 6987853.1/39

All: 697.435+/-0.075 χ^2/NDF: 15858678.2/81

- sign 695.564+/-0.106 χ^2/NDF: 8870212.8/41

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1894.363+/-1105.276 χ^2/NDF: 24.7/19

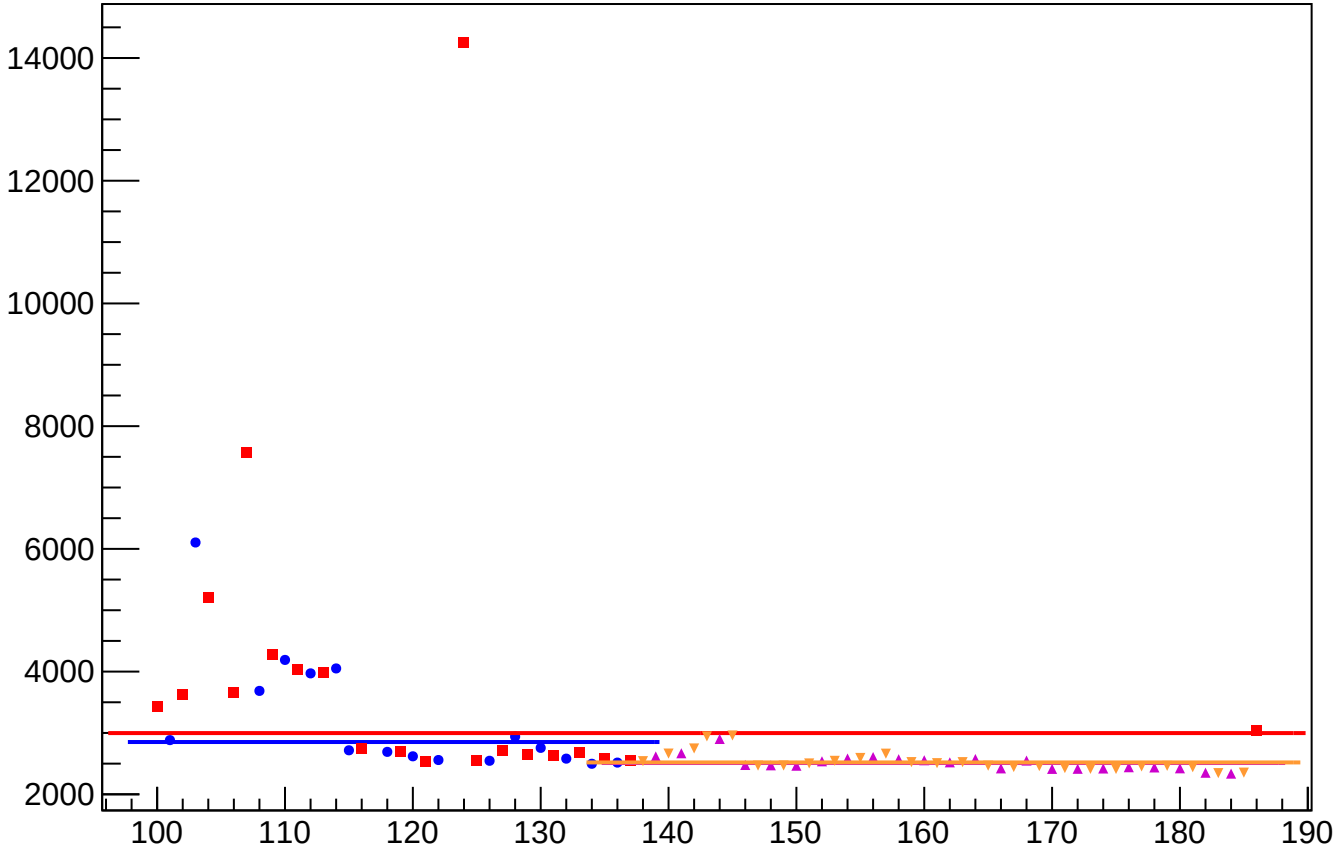
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1081.940+/-506.836 χ^2/NDF: 41.7/40

All: -281.610+/-362.360 χ^2/NDF: 98.5/83

- sign -1707.336+/-518.263 χ^2/NDF: 42.1/42

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

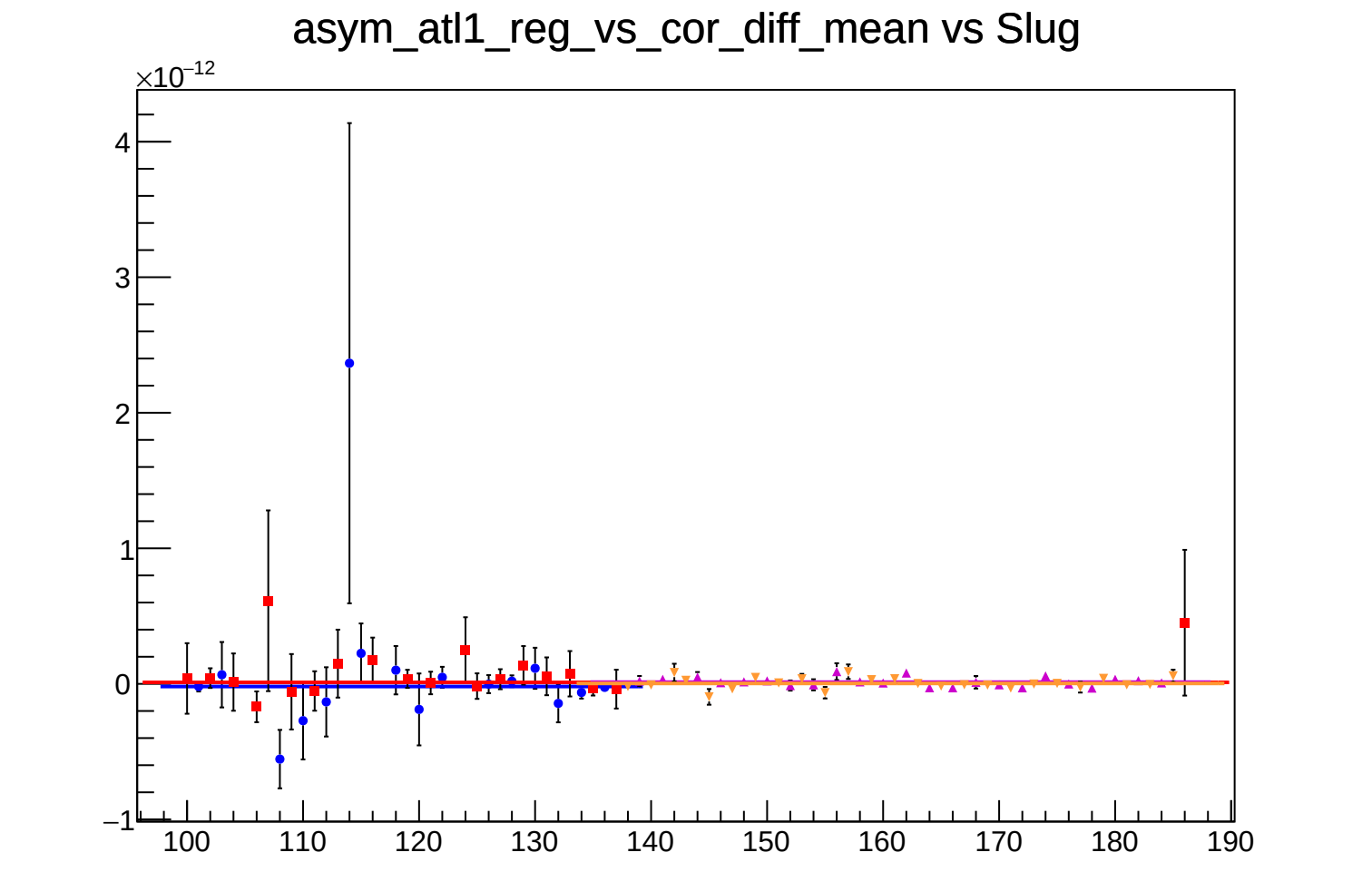
Right Out: 2997.893+/-0.782 χ^2/NDF: 979327.2/19

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

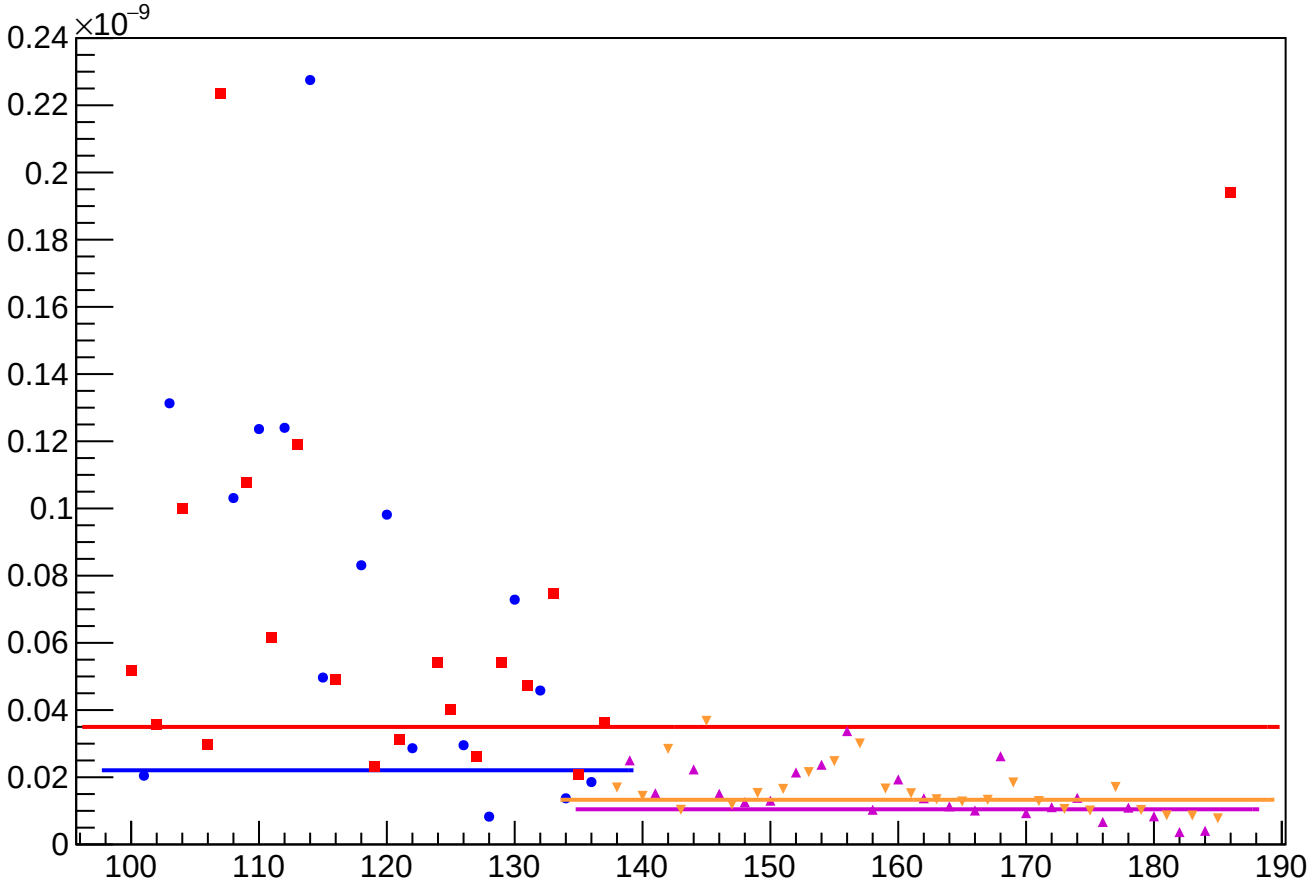
+ sign 2592.152+/-0.358 χ^2/NDF: 910986.0/40

All: 2604.491+/-0.256 χ^2/NDF: 2270338.0/83

- sign 2617.393+/-0.366 χ^2/NDF: 1356927.3/42


asym_atl1_reg_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: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:28.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 9.0/19
Left In: 0.000+/-0.000 χ²/NDF:32.3/22
+ sign 0.000+/-0.000 χ²/NDF: 45.8/40
All: 0.000+/-0.000 χ²/NDF: 89.9/83
- sign 0.000+/-0.000 χ²/NDF: 41.3/42

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1418698.8/19

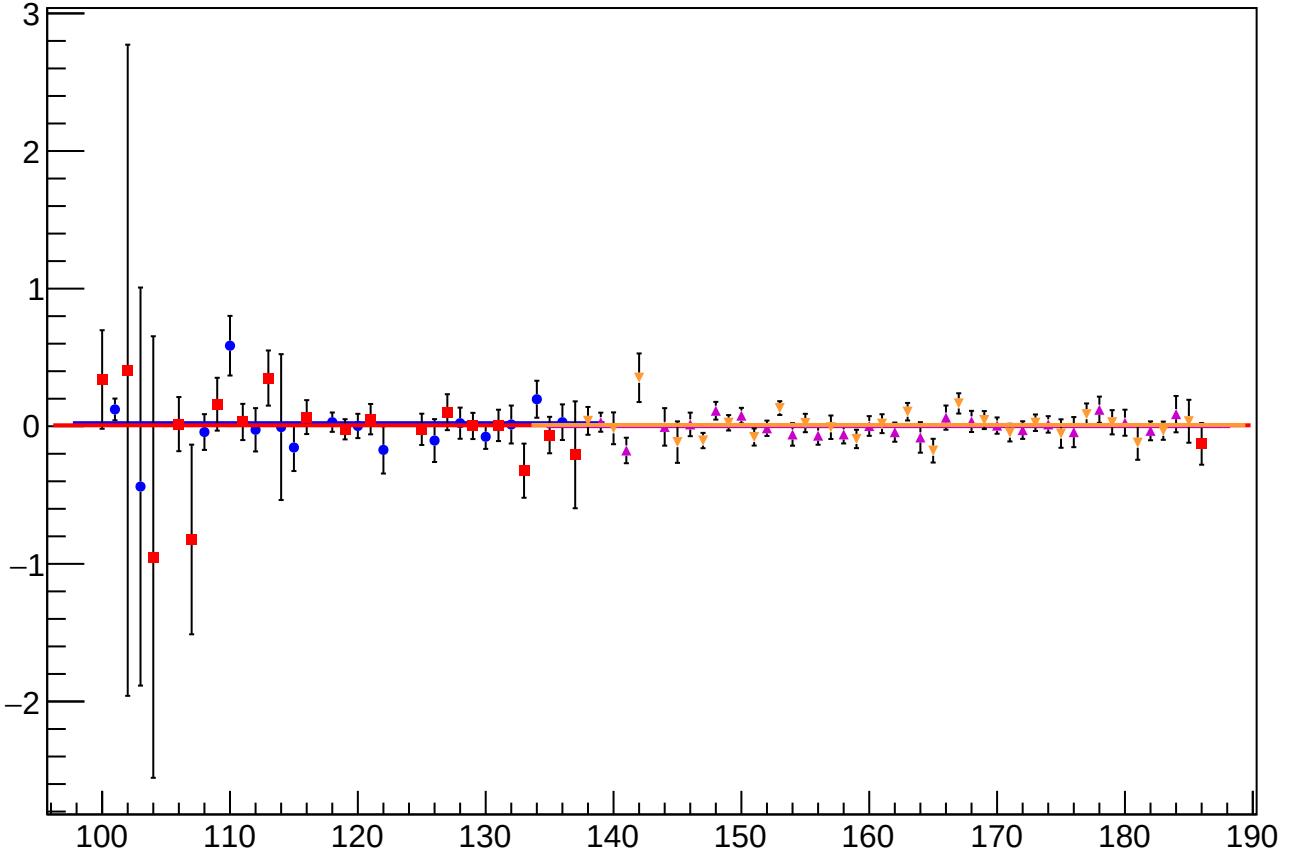
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4295314.6/40

All: 0.000+/-0.000 χ^2/NDF: 10772813.5/83

- sign 0.000+/-0.000 χ^2/NDF: 6175207.5/42

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.033 χ^2/NDF: 11.7/18

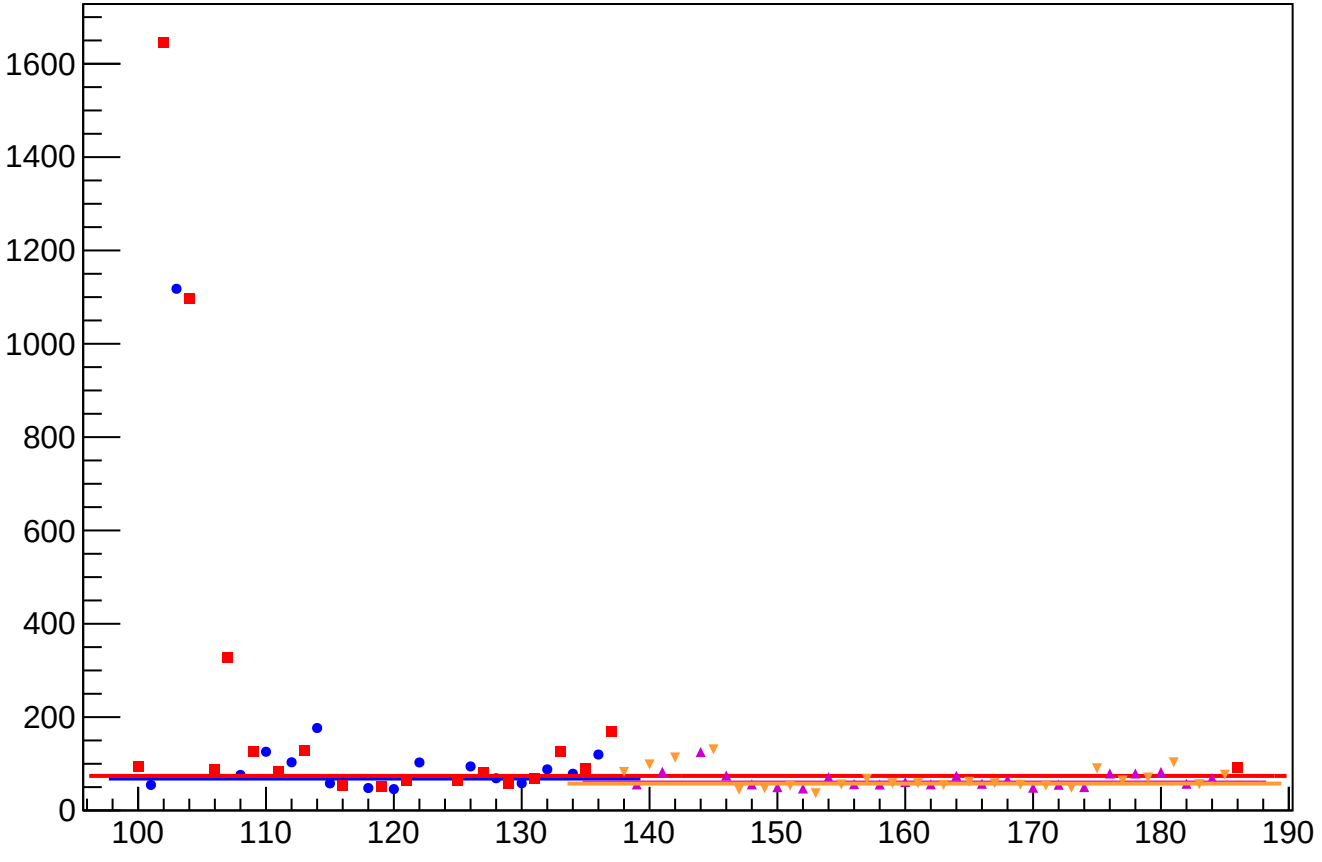
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

\+ sign 0.012+/-0.014 χ^2/NDF: 49.6/39

All: 0.007+/-0.010 χ^2/NDF: 77.2/81

\- sign 0.002+/-0.014 χ^2/NDF: 27.3/41

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 73.999+/-0.023 χ^2/NDF: 2946016.4/18

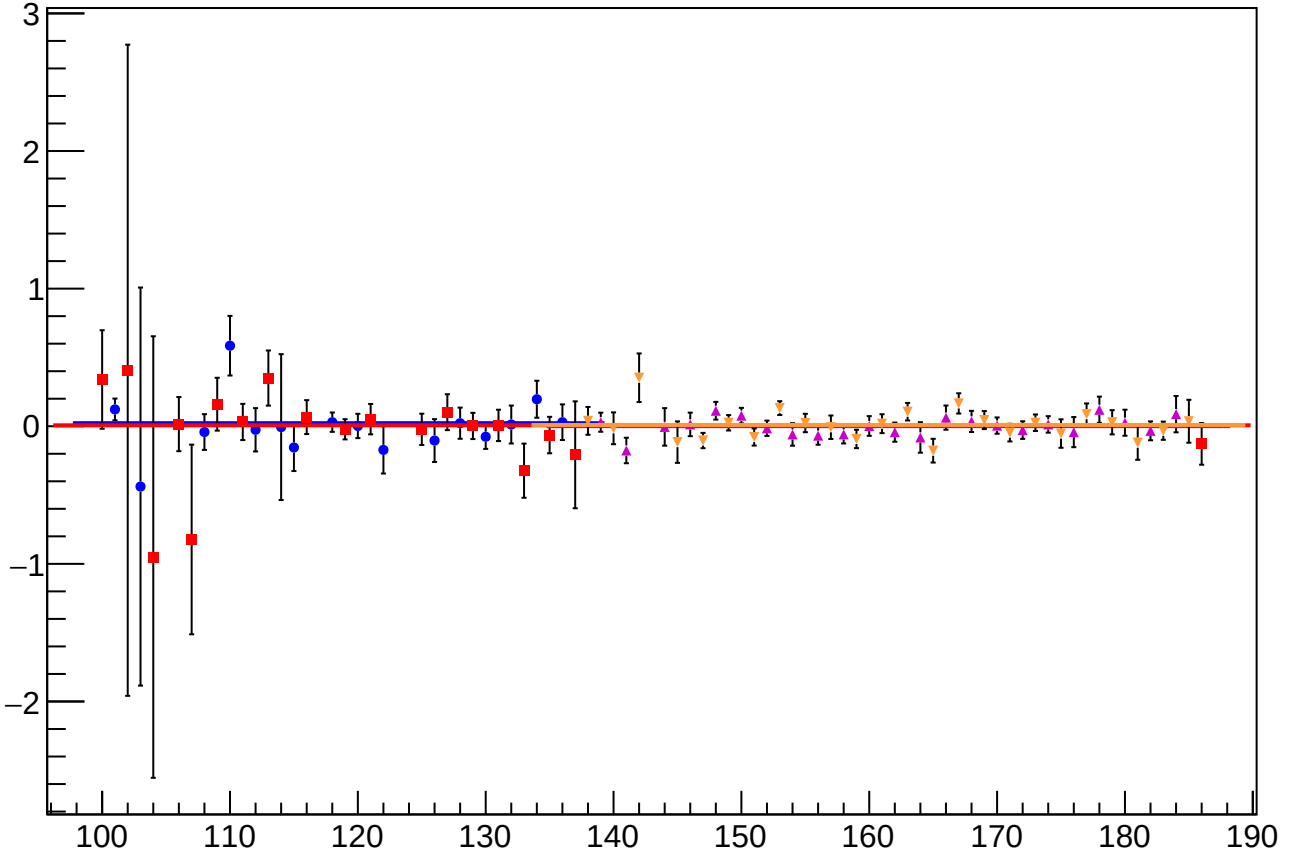
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.778+/-0.010 χ^2/NDF: 4697234.6/39

All: 61.055+/-0.007 χ^2/NDF: 9327986.4/81

- sign 62.427+/-0.010 χ^2/NDF: 4593660.5/41

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.033 χ^2/NDF: 11.7/18

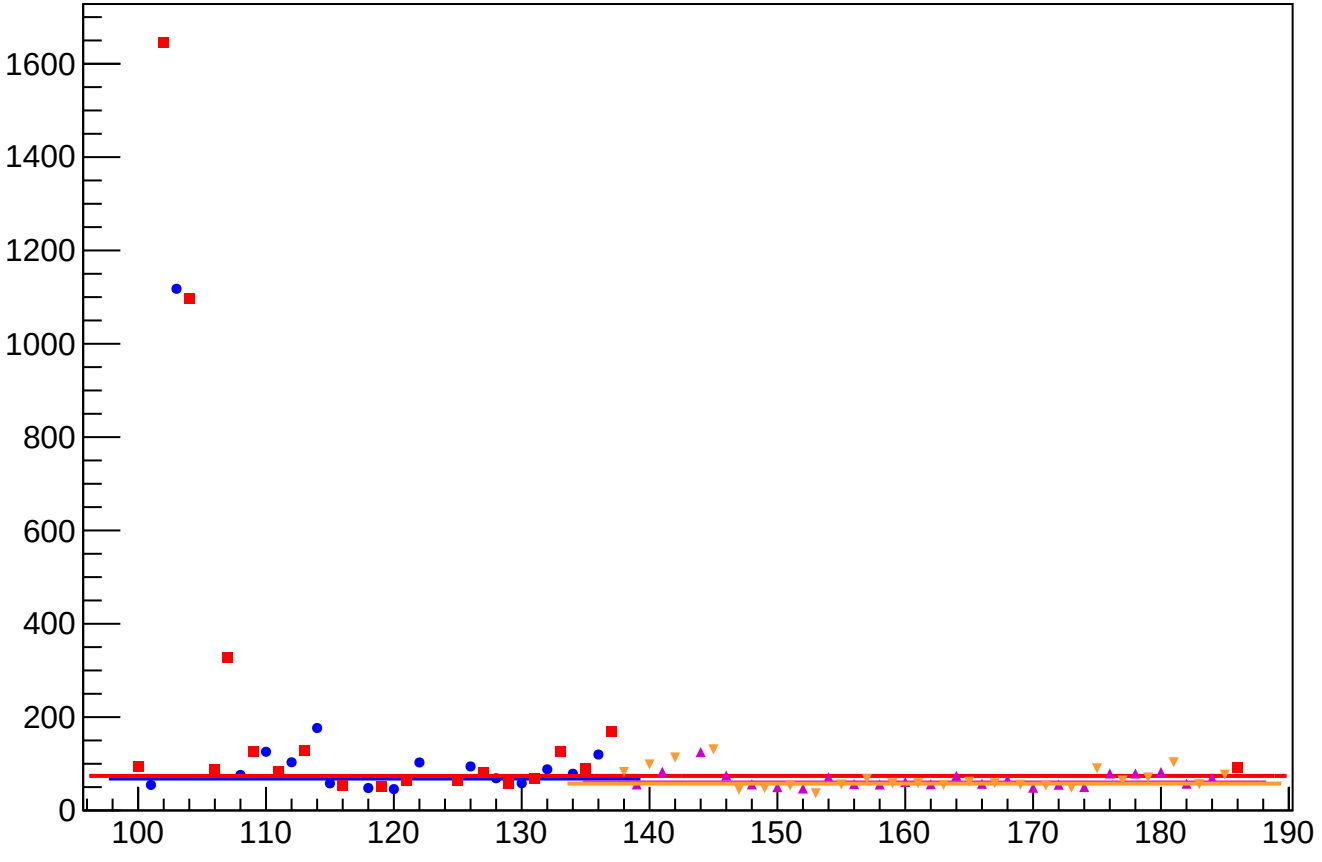
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

\+ sign 0.012+/-0.014 χ^2/NDF: 49.6/39

All: 0.007+/-0.010 χ^2/NDF: 77.2/81

\- sign 0.002+/-0.014 χ^2/NDF: 27.3/41

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 73.999+/-0.023 χ^2/NDF: 2946016.4/18

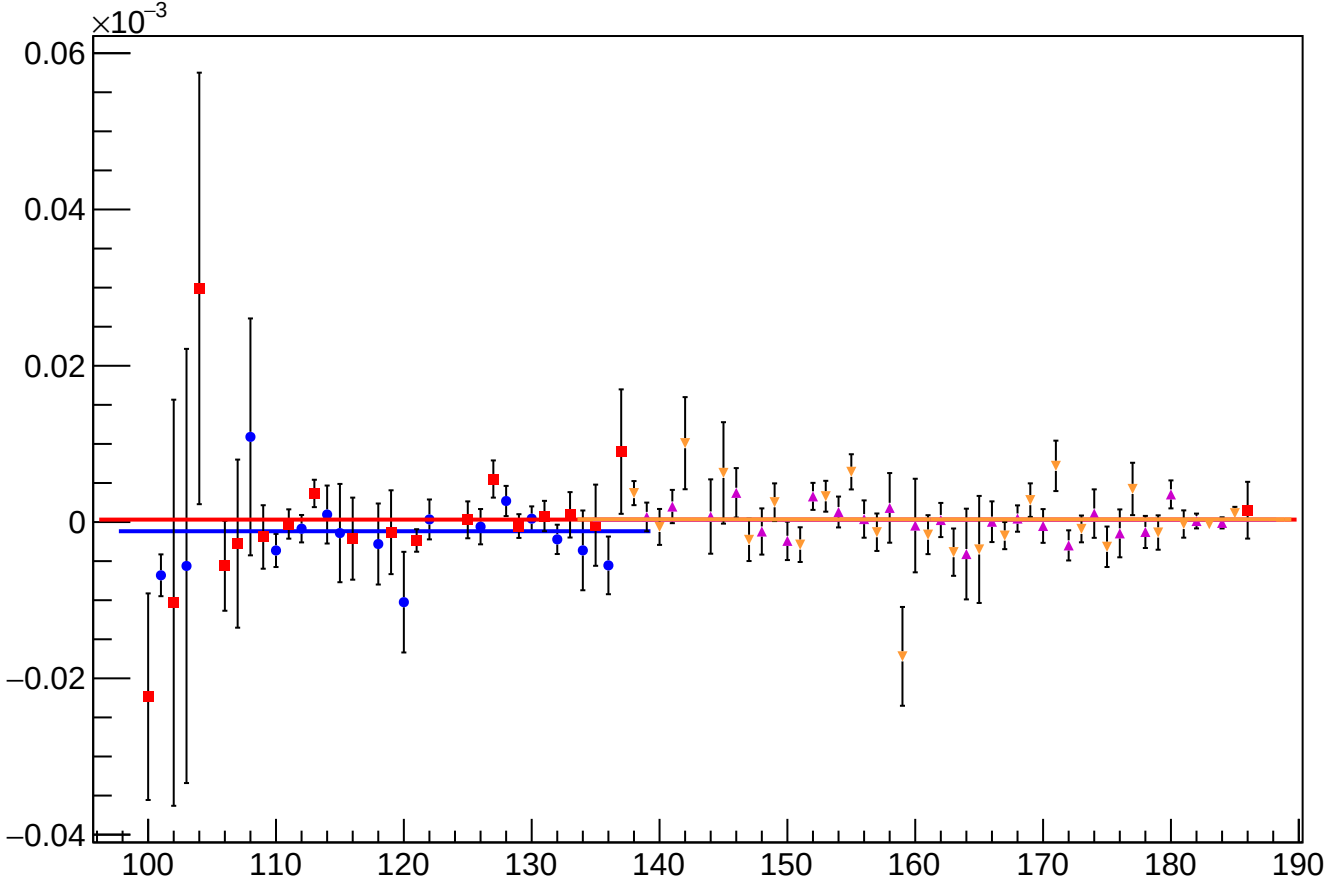
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.778+/-0.010 χ^2/NDF: 4697234.6/39

All: 61.055+/-0.007 χ^2/NDF: 9327986.4/81

- 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: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

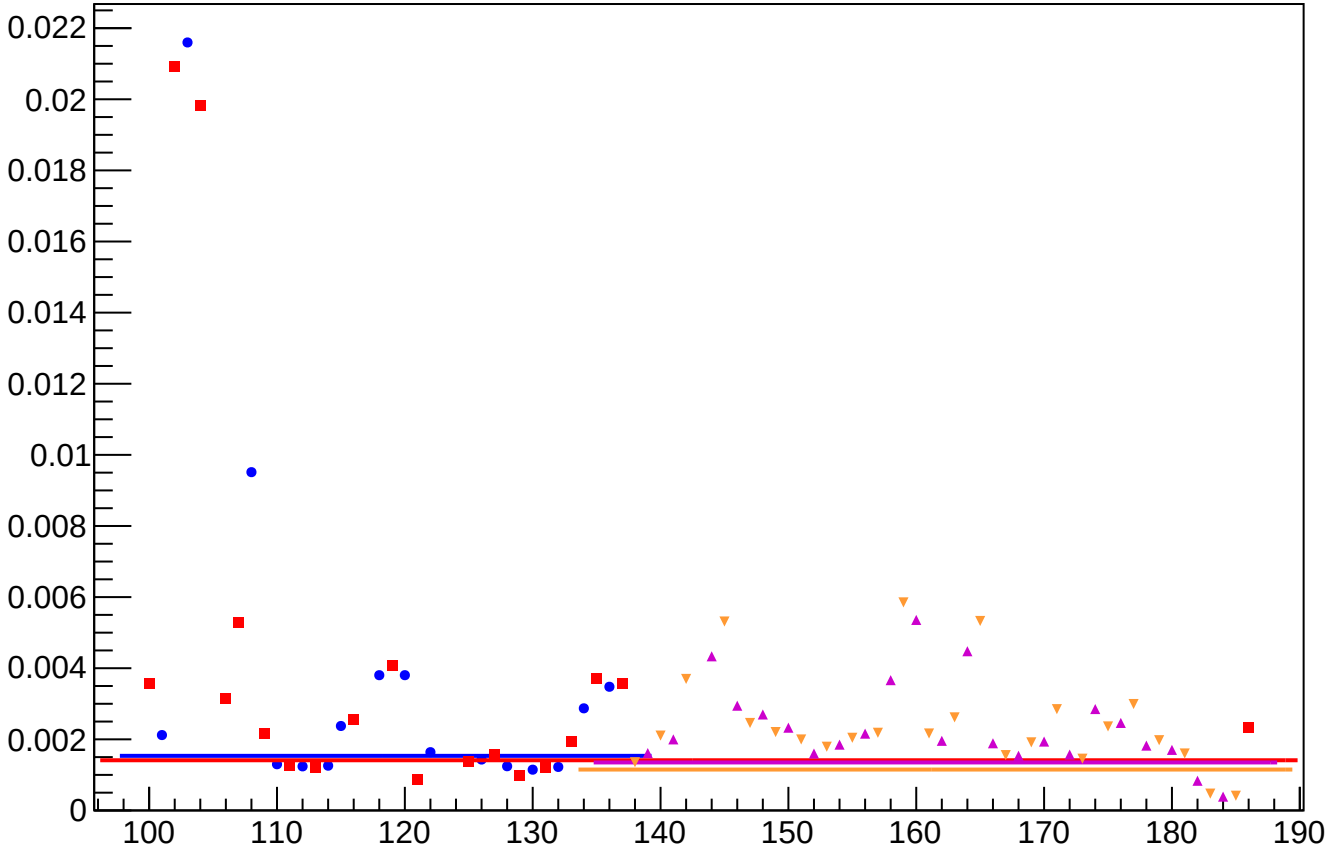
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.2/39

All: 0.000+/-0.000 χ^2/NDF: 102.1/81

- 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: 3373907.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 4400636.9/18

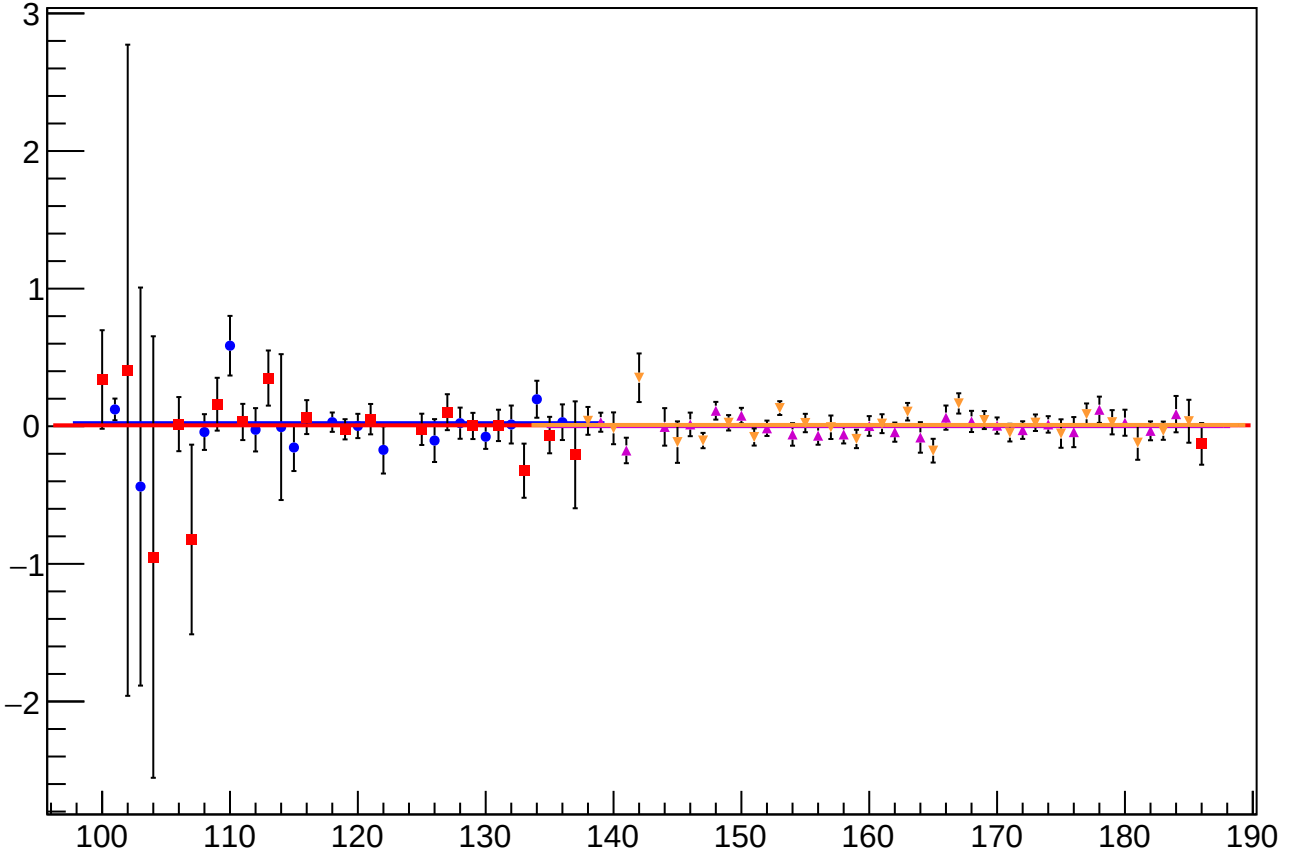
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 17149170.0/39

All: 0.001+/-0.000 χ^2/NDF: 31997278.1/81

- sign 0.001+/-0.000 χ^2/NDF: 14661893.6/41

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.033 χ^2/NDF: 11.7/18

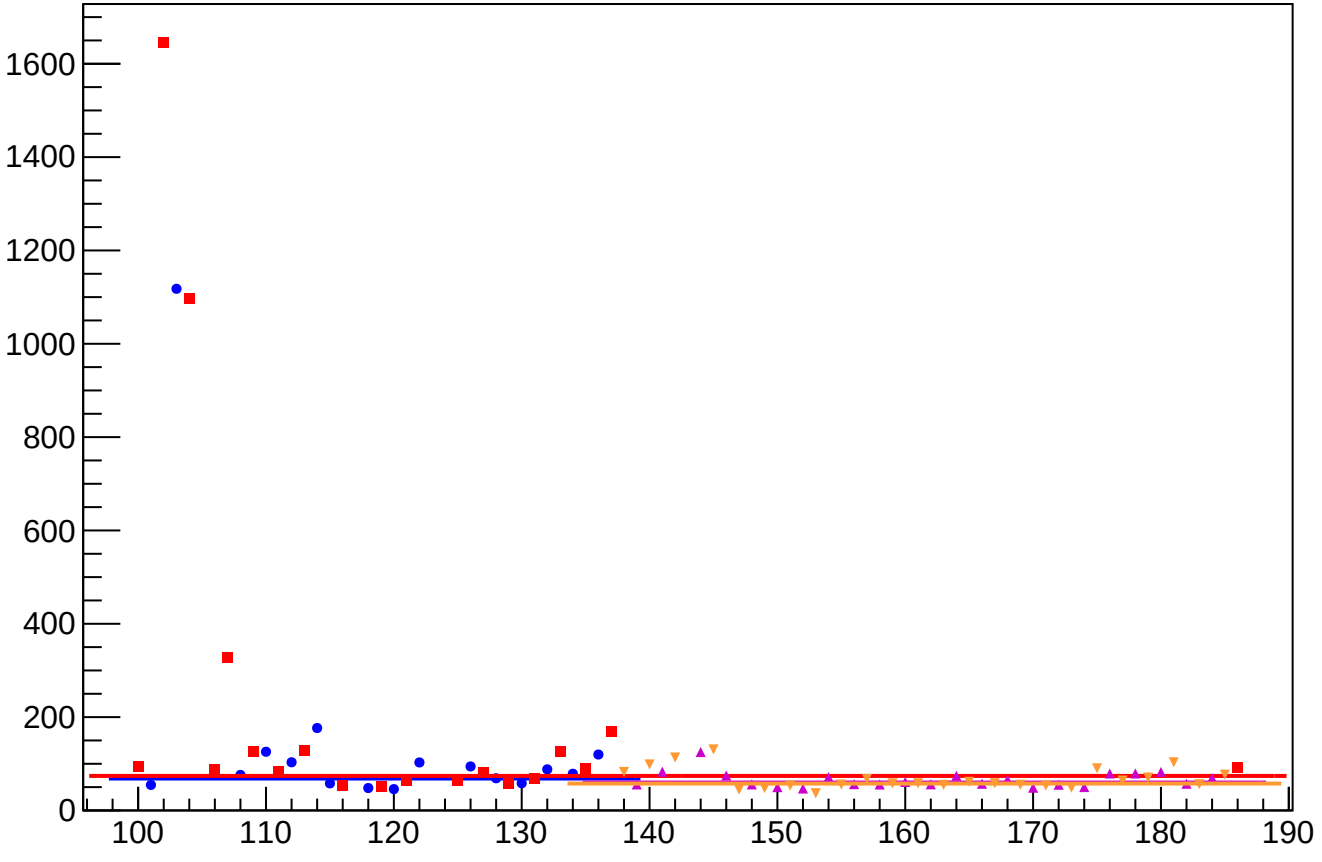
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

\+ sign 0.012+/-0.014 χ^2/NDF: 49.6/39

All: 0.007+/-0.010 χ^2/NDF: 77.2/81

\- sign 0.002+/-0.014 χ^2/NDF: 27.3/41

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 73.998+/-0.023 χ^2/NDF: 2946027.5/18

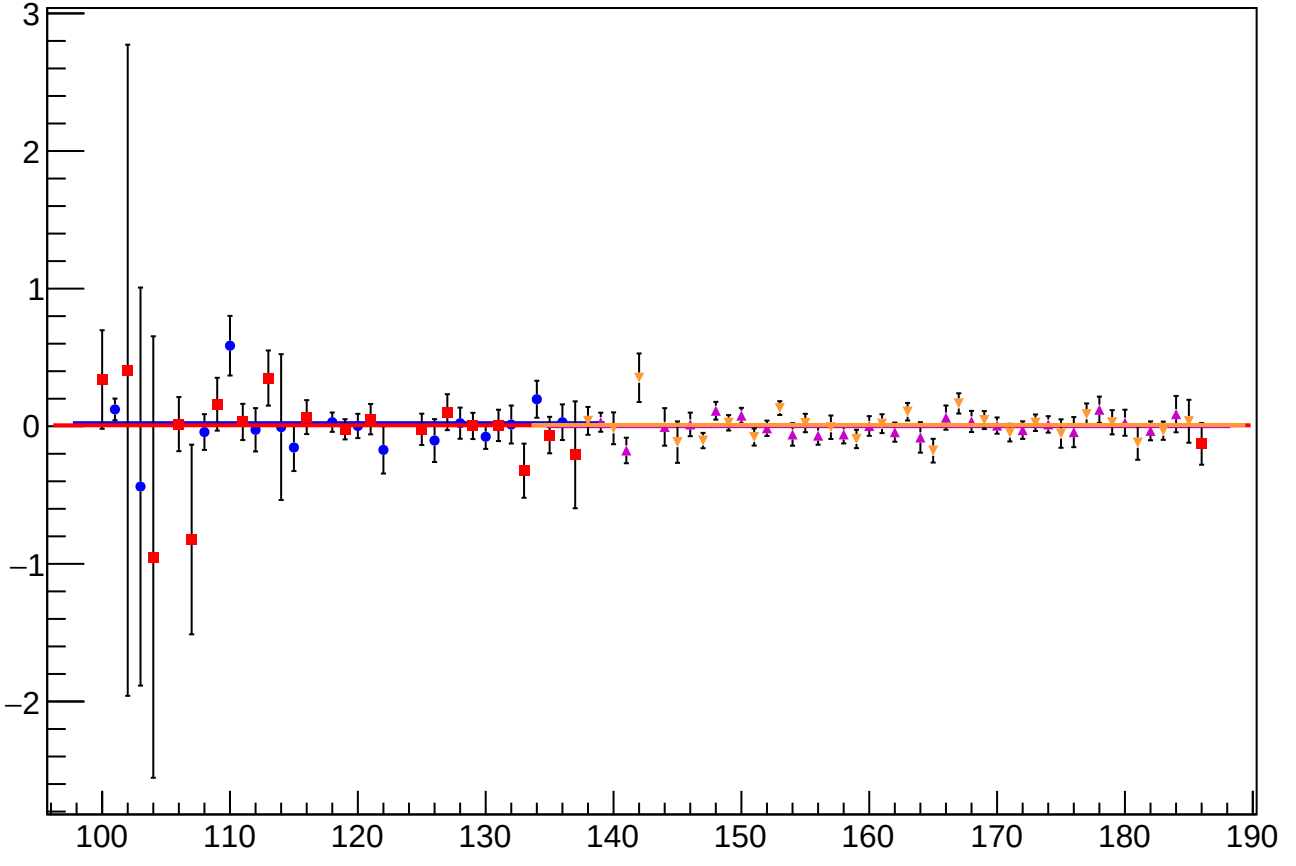
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.778+/-0.010 χ^2/NDF: 4697358.7/39

All: 61.055+/-0.007 χ^2/NDF: 9328081.8/81

- sign 62.427+/-0.010 χ^2/NDF: 4593625.6/41

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.033 χ^2/NDF: 11.7/18

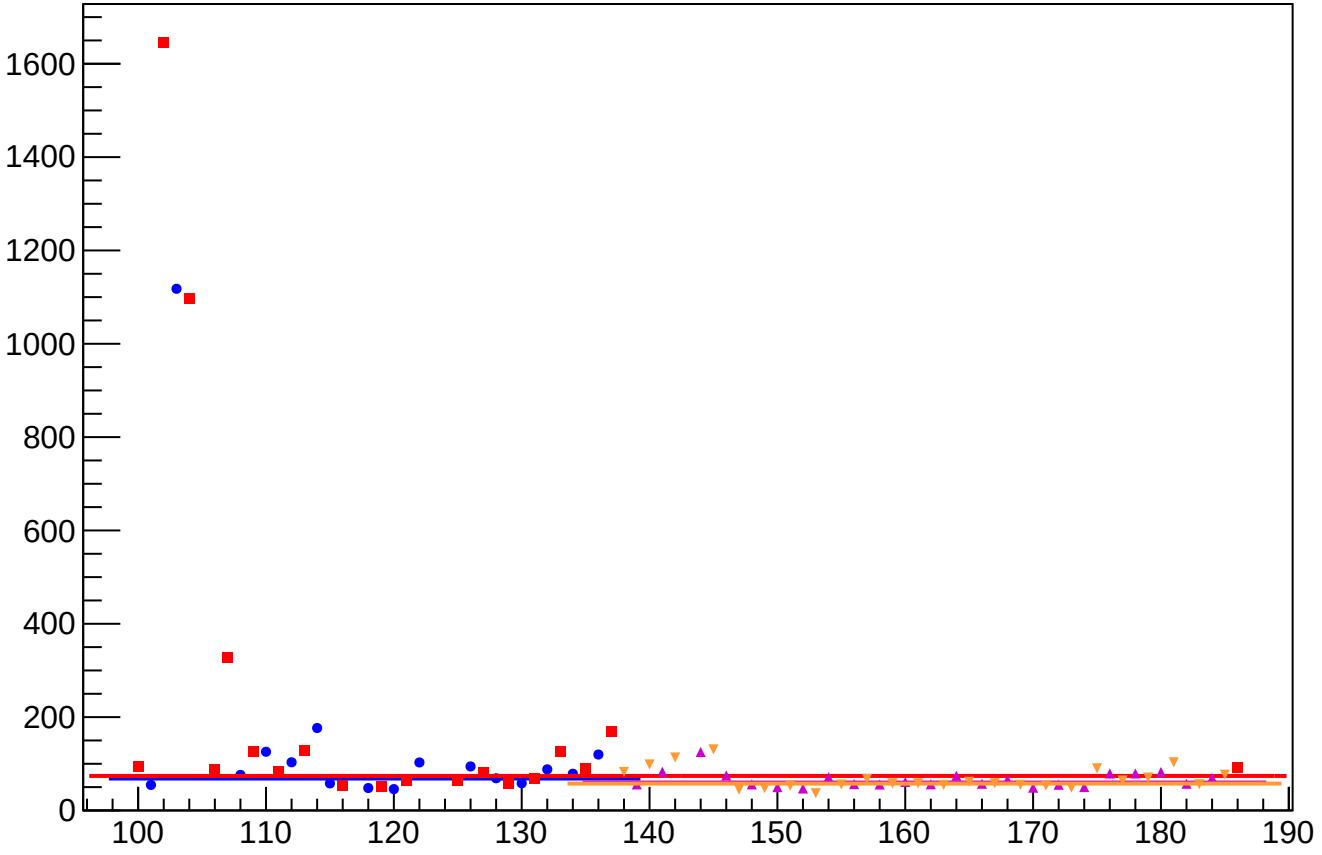
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.012+/-0.014 χ^2/NDF: 49.6/39

All: 0.007+/-0.010 χ^2/NDF: 77.2/81

- sign 0.002+/-0.014 χ^2/NDF: 27.3/41

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 73.998+/-0.023 χ^2/NDF: 2946027.5/18

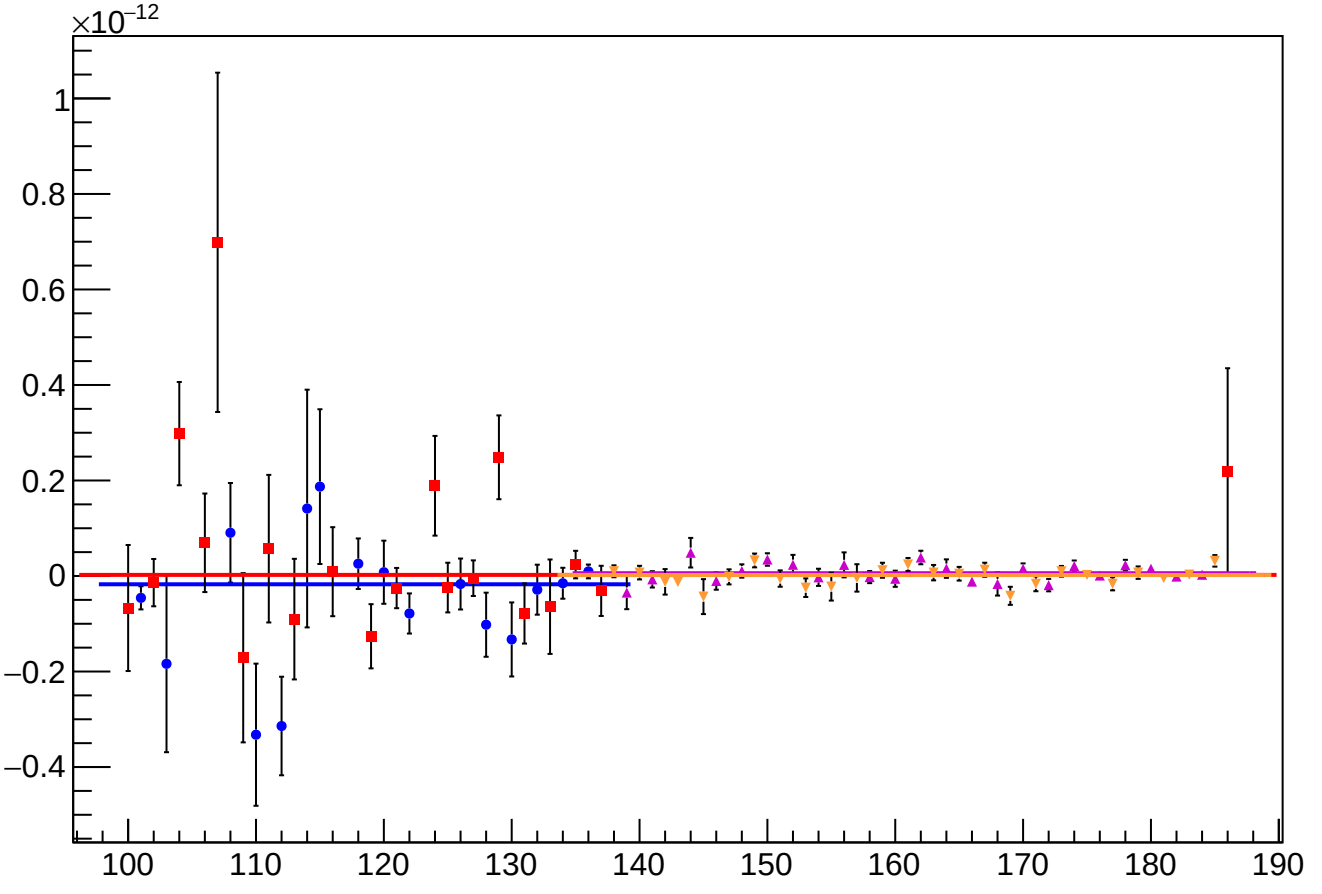
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.778+/-0.010 χ^2/NDF: 4697358.7/39

All: 61.055+/-0.007 χ^2/NDF: 9328081.8/81

- 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: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

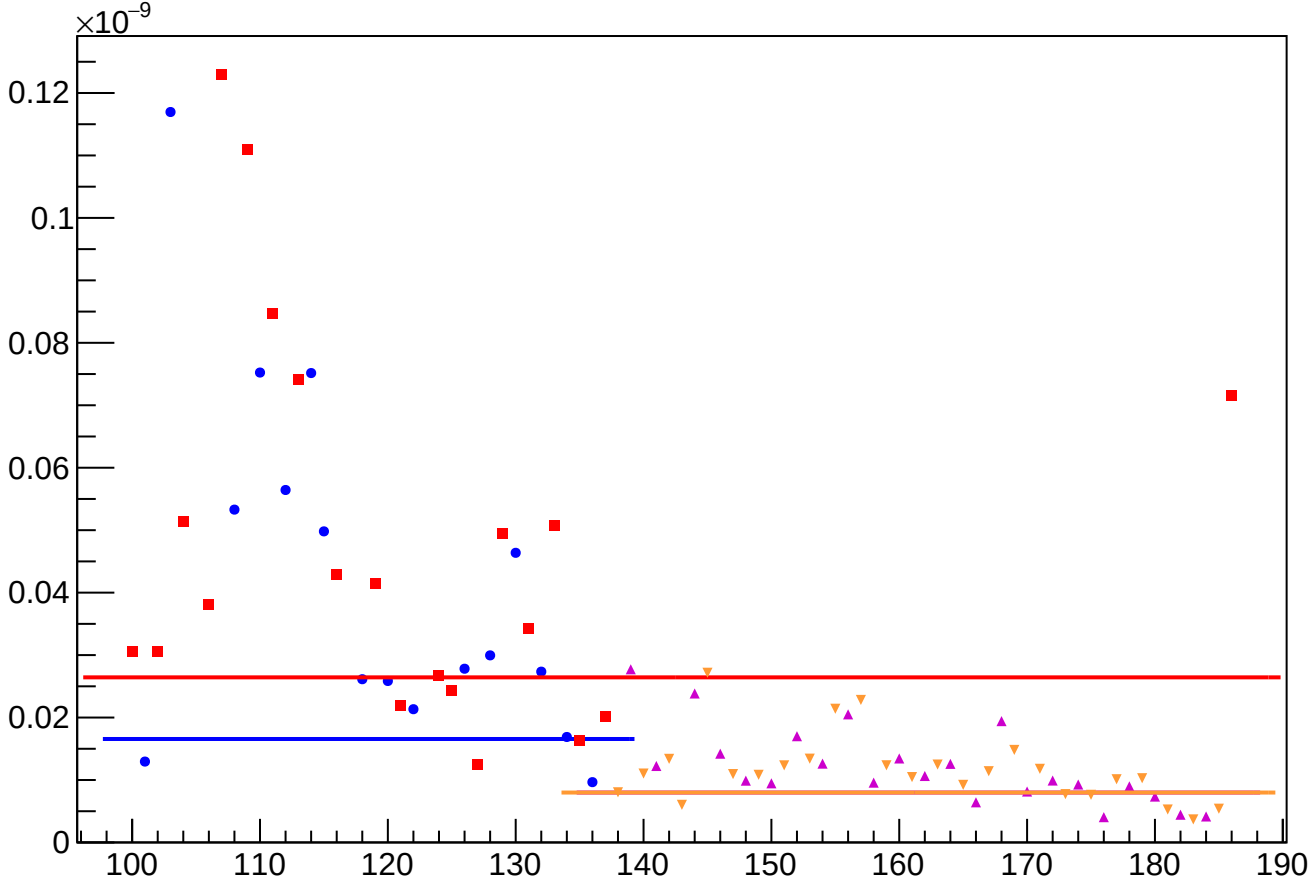
Right Out: 0.000+/-0.000 χ^2/NDF: 33.3/19

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.7/40

All: 0.000+/-0.000 χ^2/NDF: 131.6/83

- sign 0.000+/-0.000 χ^2/NDF: 65.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

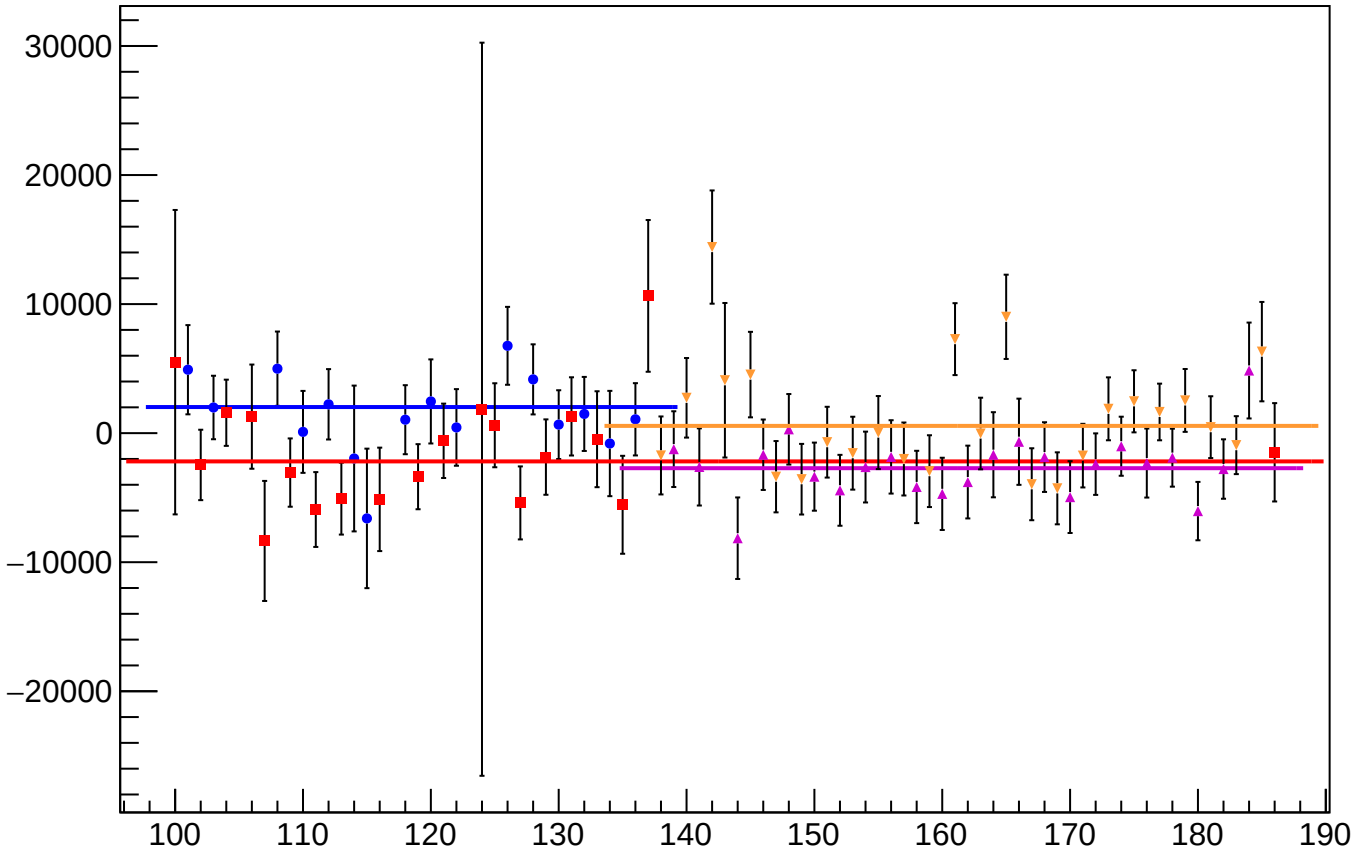
Right Out: 0.000+/-0.000 χ^2/NDF: 2434753.7/19

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9100708.4/40

All: 0.000+/-0.000 χ^2/NDF: 19982777.3/83

- sign 0.000+/-0.000 χ^2/NDF: 10881044.1/42



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2189.493+/-741.676 χ^2/NDF: 18.2/19

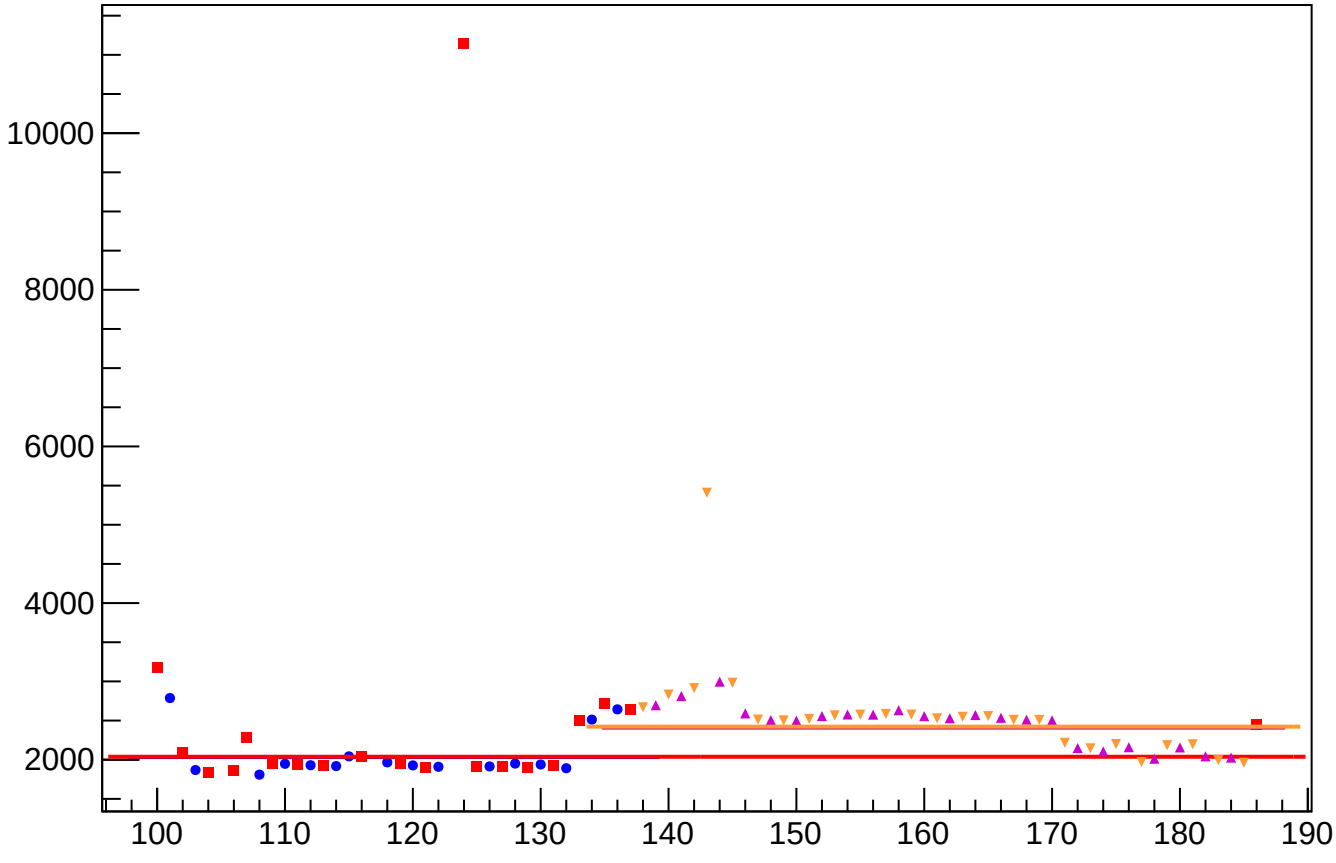
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1069.263+/-450.323 χ^2/NDF: 55.9/40

All: -727.597+/-318.329 χ^2/NDF: 120.5/83

- sign -2522.264+/-450.048 χ^2/NDF: 32.8/42

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2037.822+/-0.524 χ^2/NDF: 414780.4/19

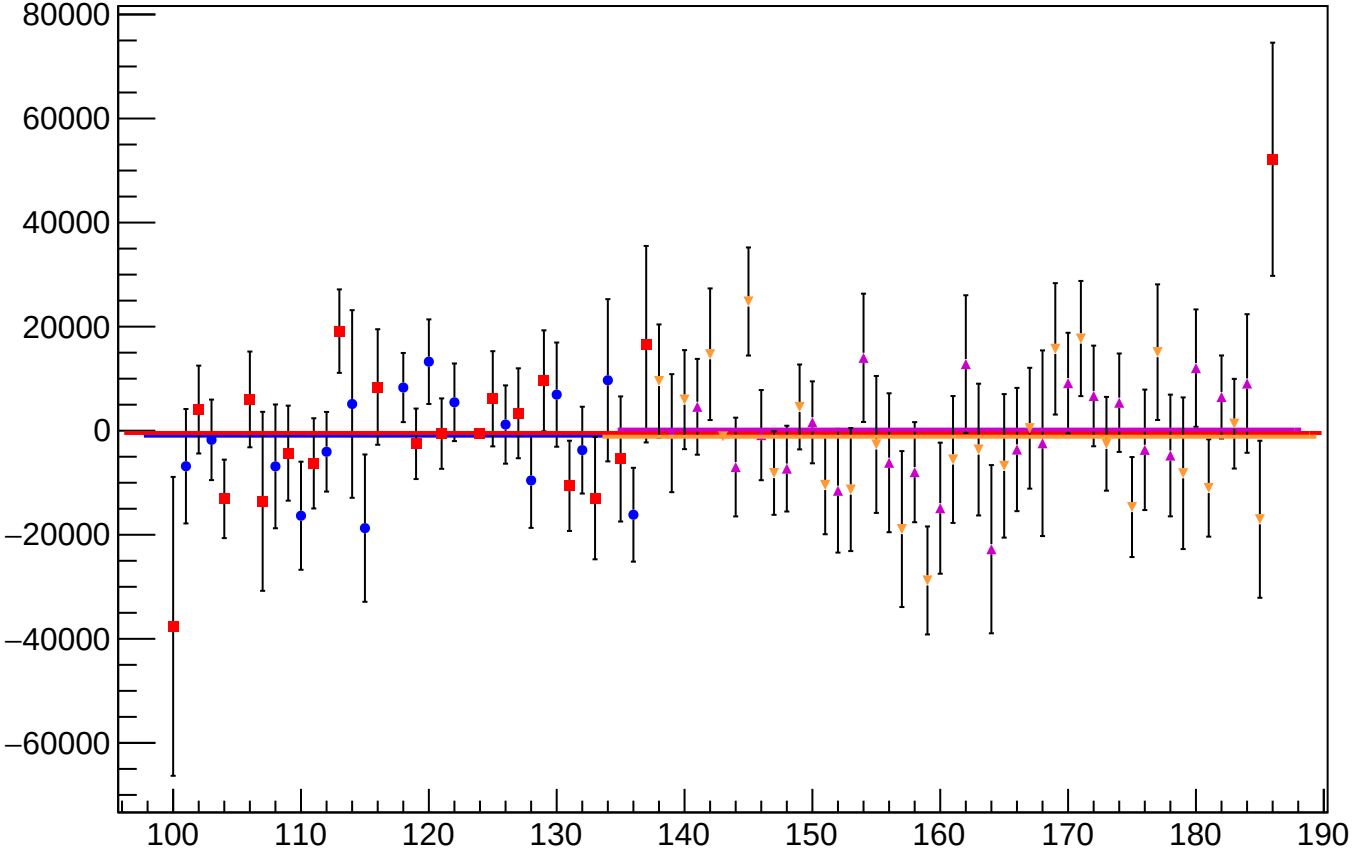
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.479+/-0.318 χ^2/NDF: 1552276.3/40

All: 2280.159+/-0.225 χ^2/NDF: 2714353.9/83

- sign 2272.848+/-0.318 χ^2/NDF: 1161021.3/42

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -435.518+/-767.835 χ^2/NDF: 24.0/19

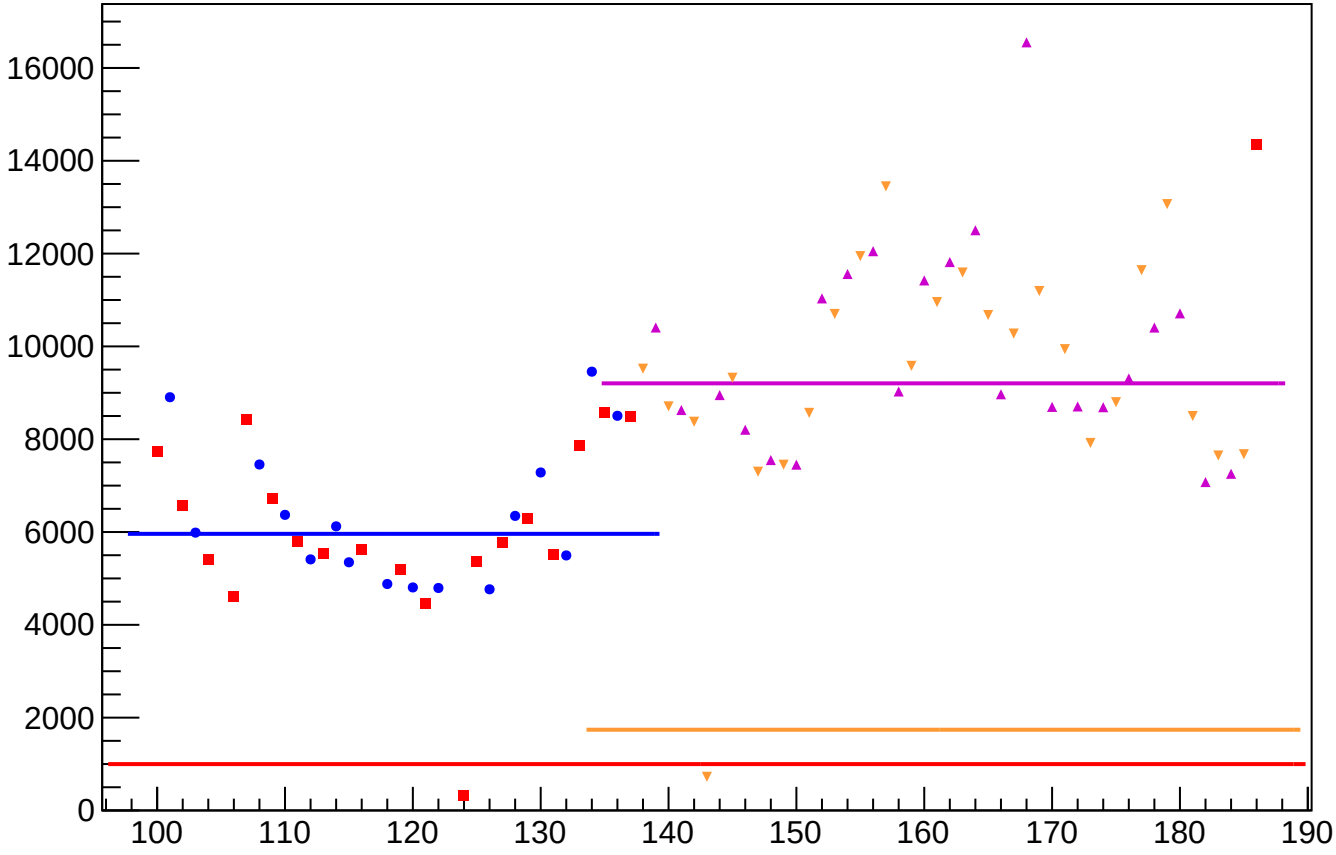
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1137.529+/-719.071 χ^2/NDF: 47.3/40

All: -754.404+/-510.464 χ^2/NDF: 85.3/83

- sign -365.181+/-724.773 χ^2/NDF: 37.5/42

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

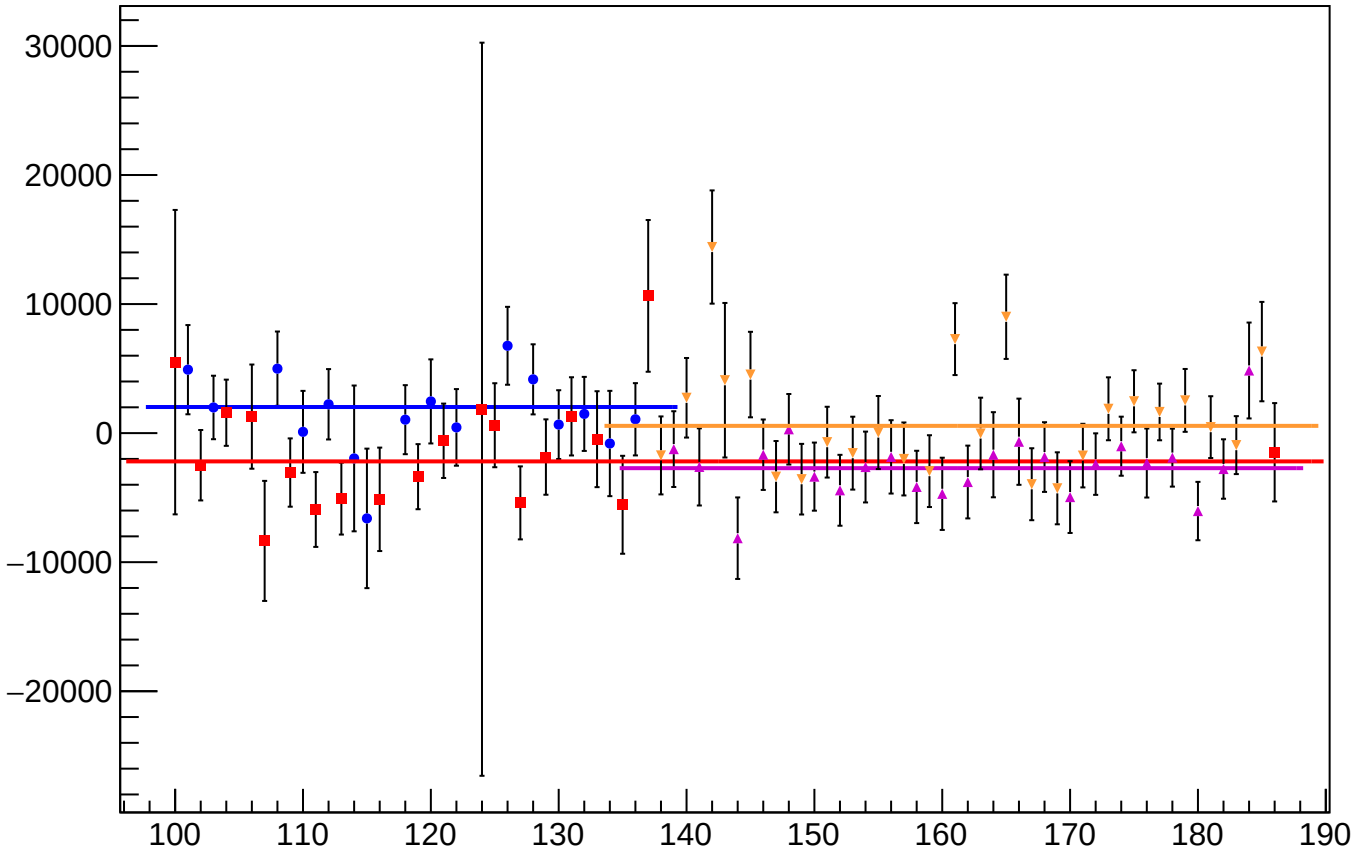
Right Out: 999.003+/-0.543 χ^2/NDF: 12126913.5/19

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2160.090+/-0.508 χ^2/NDF: 34603640.5/40

All: 2027.846+/-0.361 χ^2/NDF: 73035381.3/8

- sign 1893.496+/-0.512 χ^2/NDF: 38295373.2/42



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2191.261+/-741.683 χ^2/NDF: 18.2/19

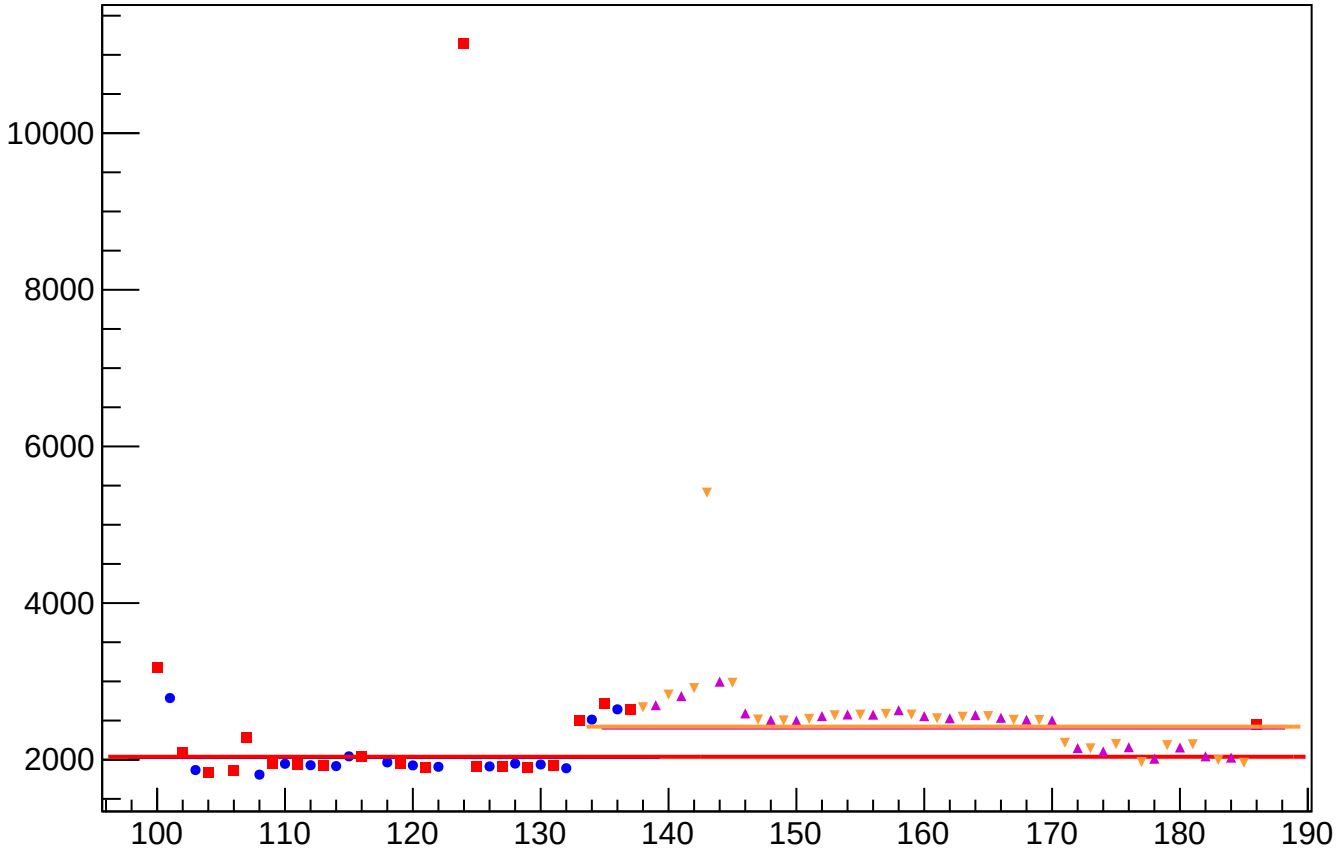
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1069.308+/-450.323 χ^2/NDF: 55.9/40

All: -727.883+/-318.330 χ^2/NDF: 120.5/83

- sign -2522.893+/-450.050 χ^2/NDF: 32.8/42

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2037.843+/-0.524 χ^2/NDF: 414789.6/19

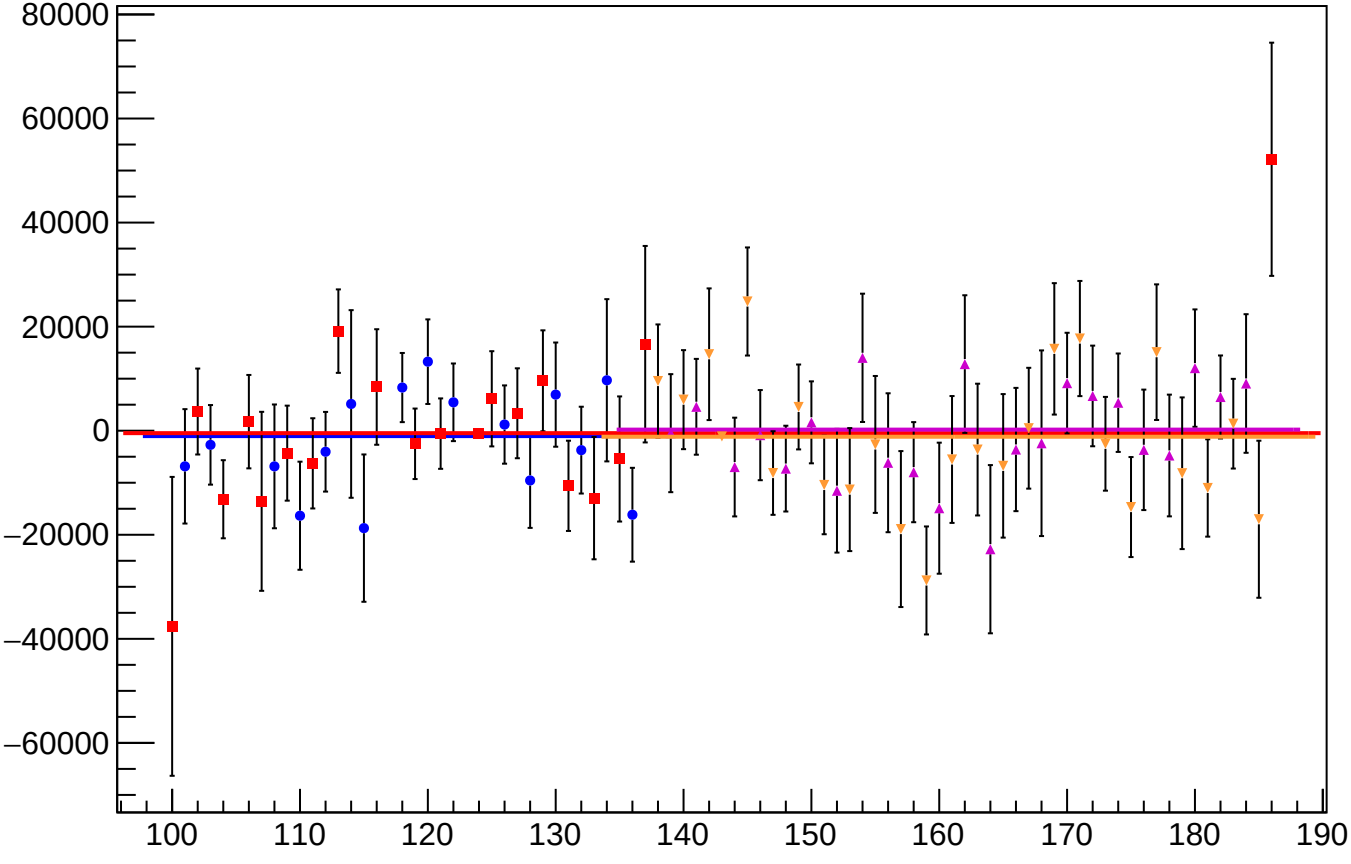
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.479+/-0.318 χ^2/NDF: 1552276.4/40

All: 2280.164+/-0.225 χ^2/NDF: 2714322.0/83

- sign 2272.857+/-0.318 χ^2/NDF: 1160990.7/42

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -468.850+/-767.497 χ^2/NDF: 23.6/19

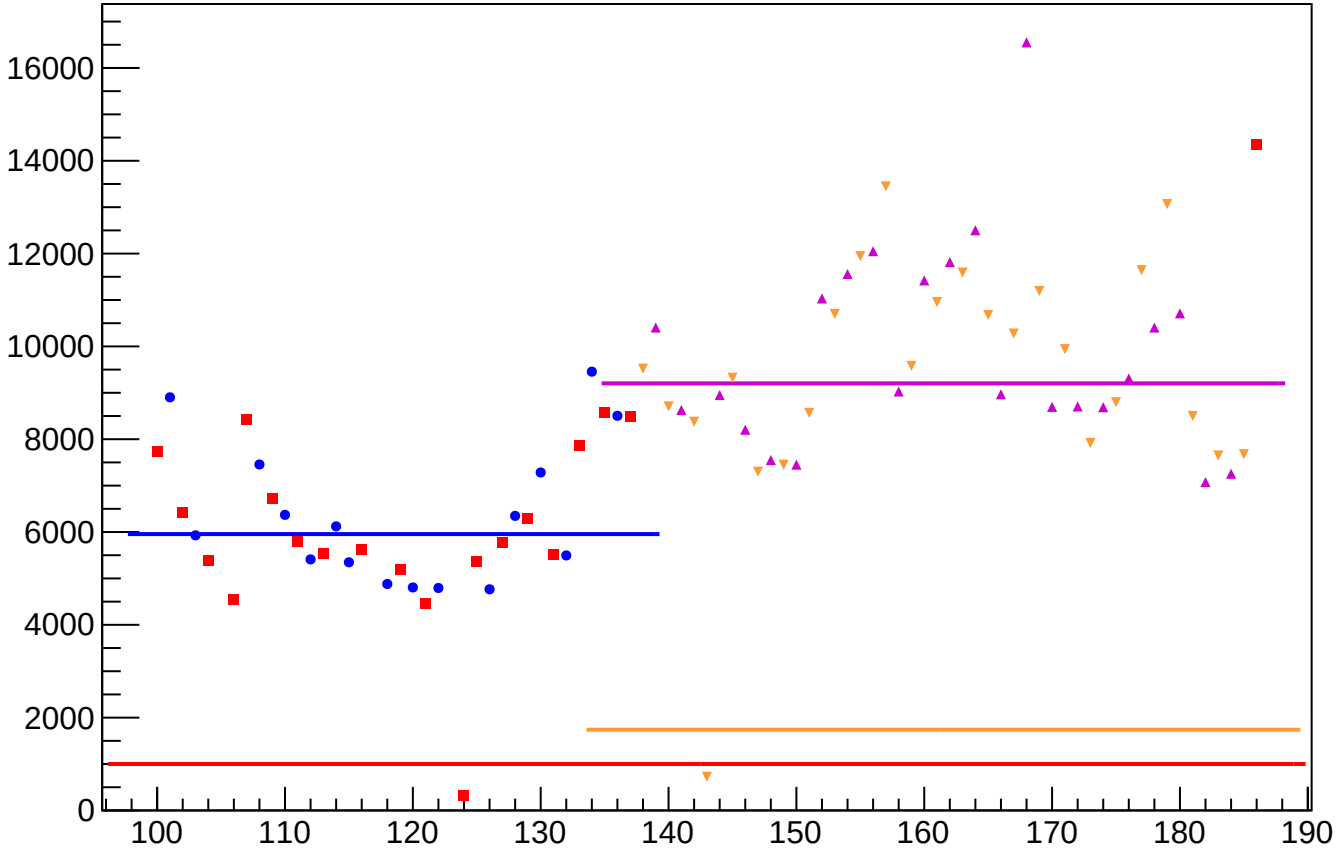
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1145.999+/-718.942 χ^2/NDF: 47.3/40

All: -773.362+/-510.318 χ^2/NDF: 84.9/83

- sign -394.953+/-724.487 χ^2/NDF: 37.0/42

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1000.716+/-0.543 χ^2/NDF: 12122883.9/19

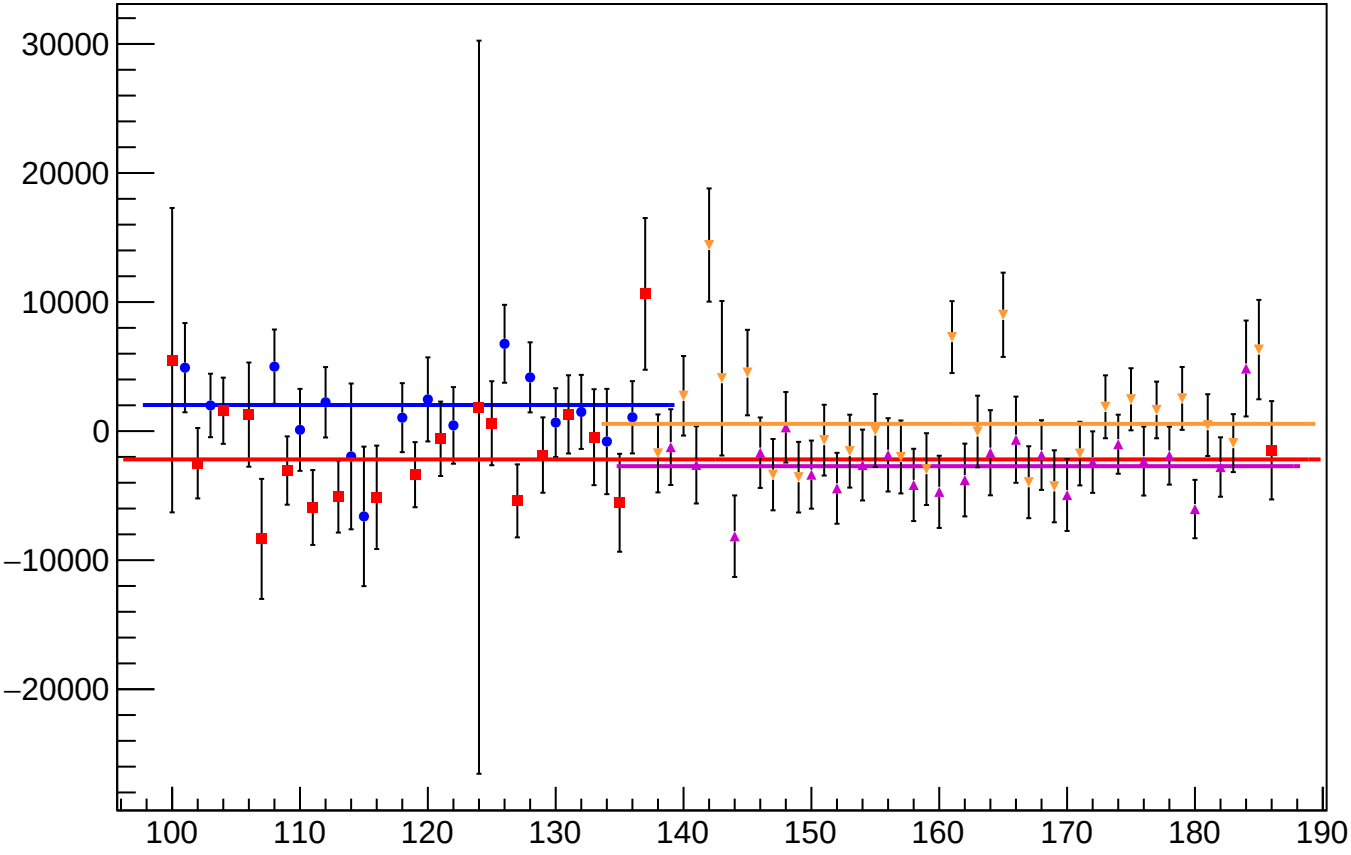
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2160.081+/-0.508 χ^2/NDF: 34601714.0/40

All: 2028.221+/-0.361 χ^2/NDF: 73020642.9/8

- sign 1894.319+/-0.512 χ^2/NDF: 38283332.8/42

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2191.261+/-741.683 χ^2/NDF: 18.2/19

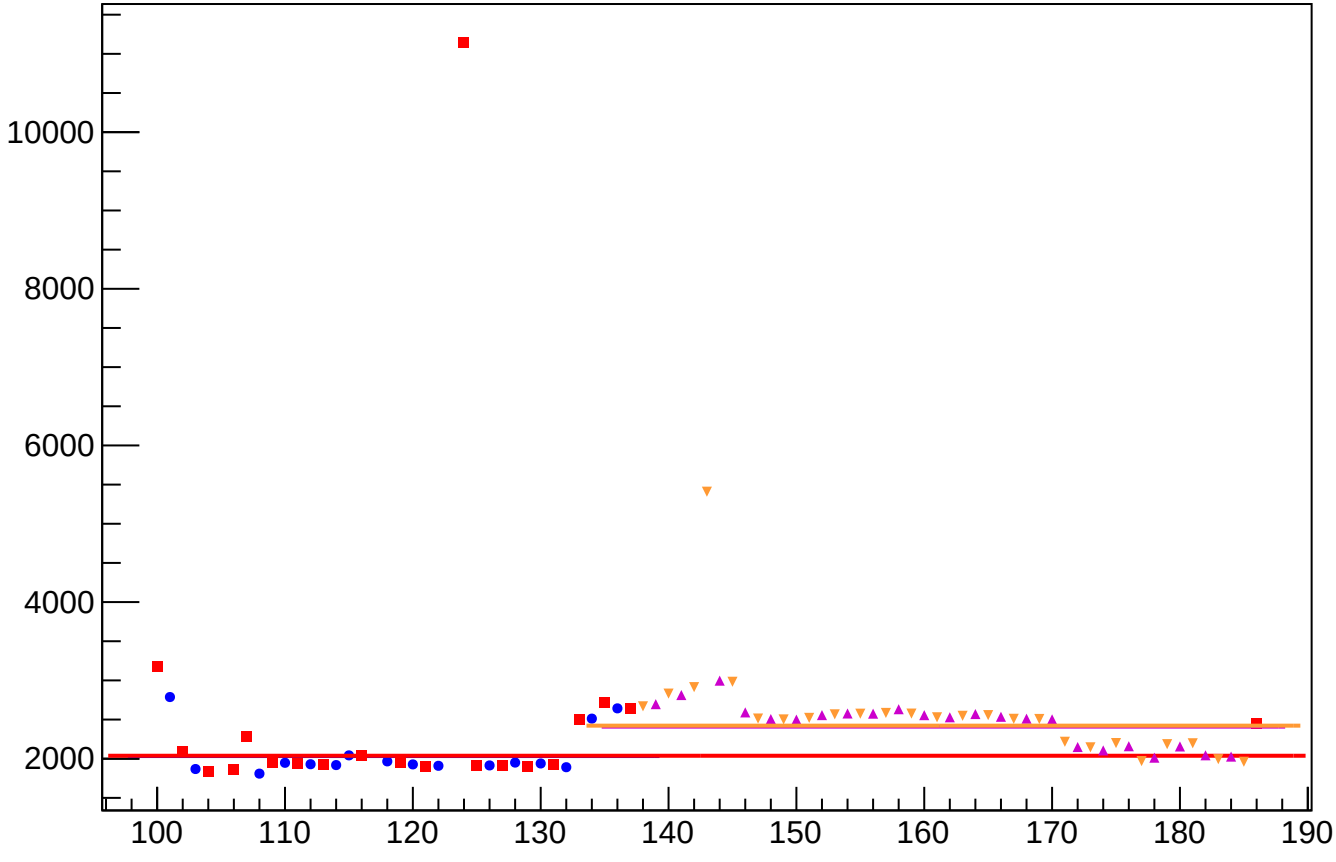
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1069.308+/-450.323 χ^2/NDF: 55.9/40

All: -727.883+/-318.330 χ^2/NDF: 120.5/83

- sign -2522.893+/-450.050 χ^2/NDF: 32.8/42

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2037.843+/-0.524 χ^2/NDF: 414789.6/19

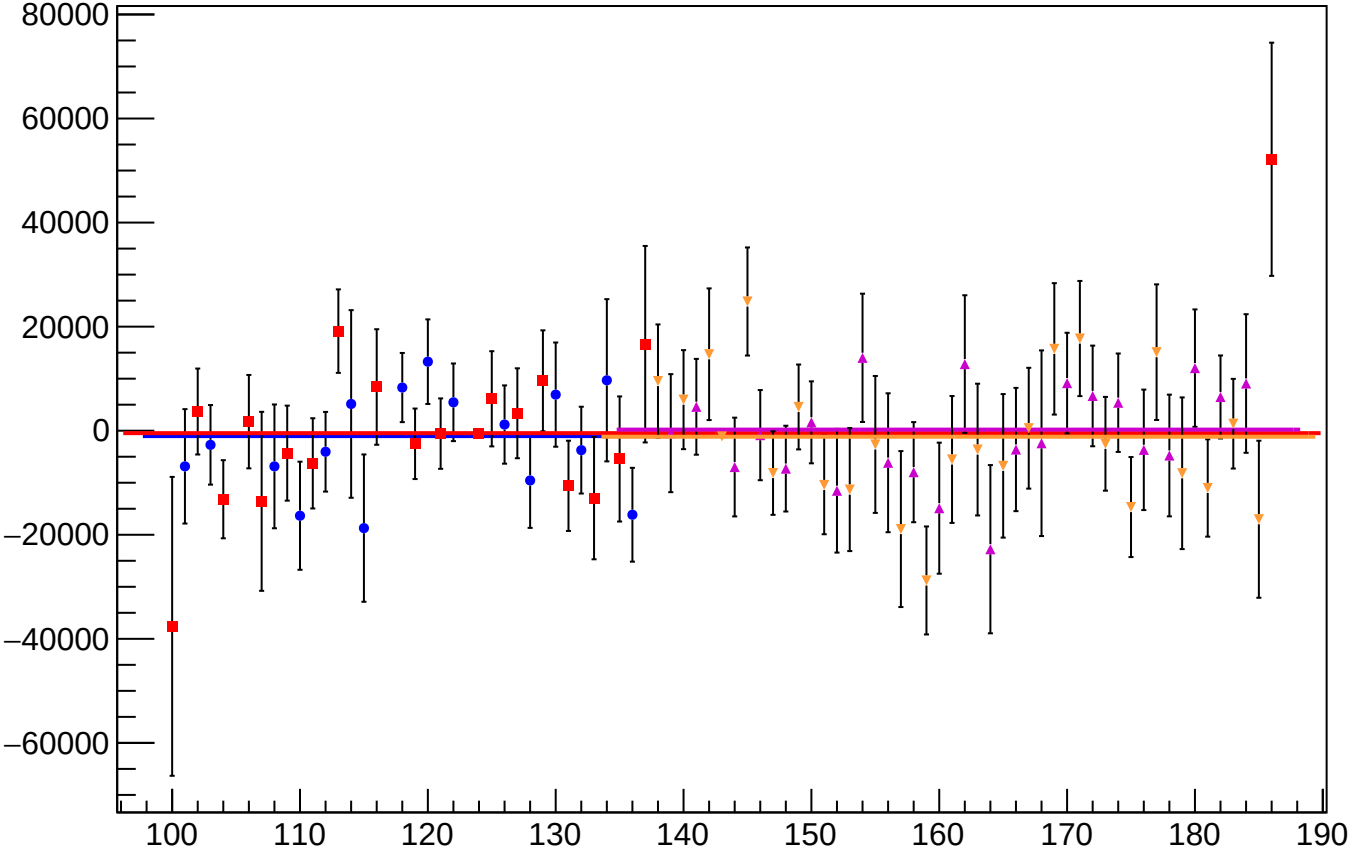
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.479+/-0.318 χ^2/NDF: 1552276.4/40

All: 2280.164+/-0.225 χ^2/NDF: 2714322.0/83

- sign 2272.857+/-0.318 χ^2/NDF: 1160990.7/42

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -468.850+/-767.497 χ^2/NDF: 23.6/19

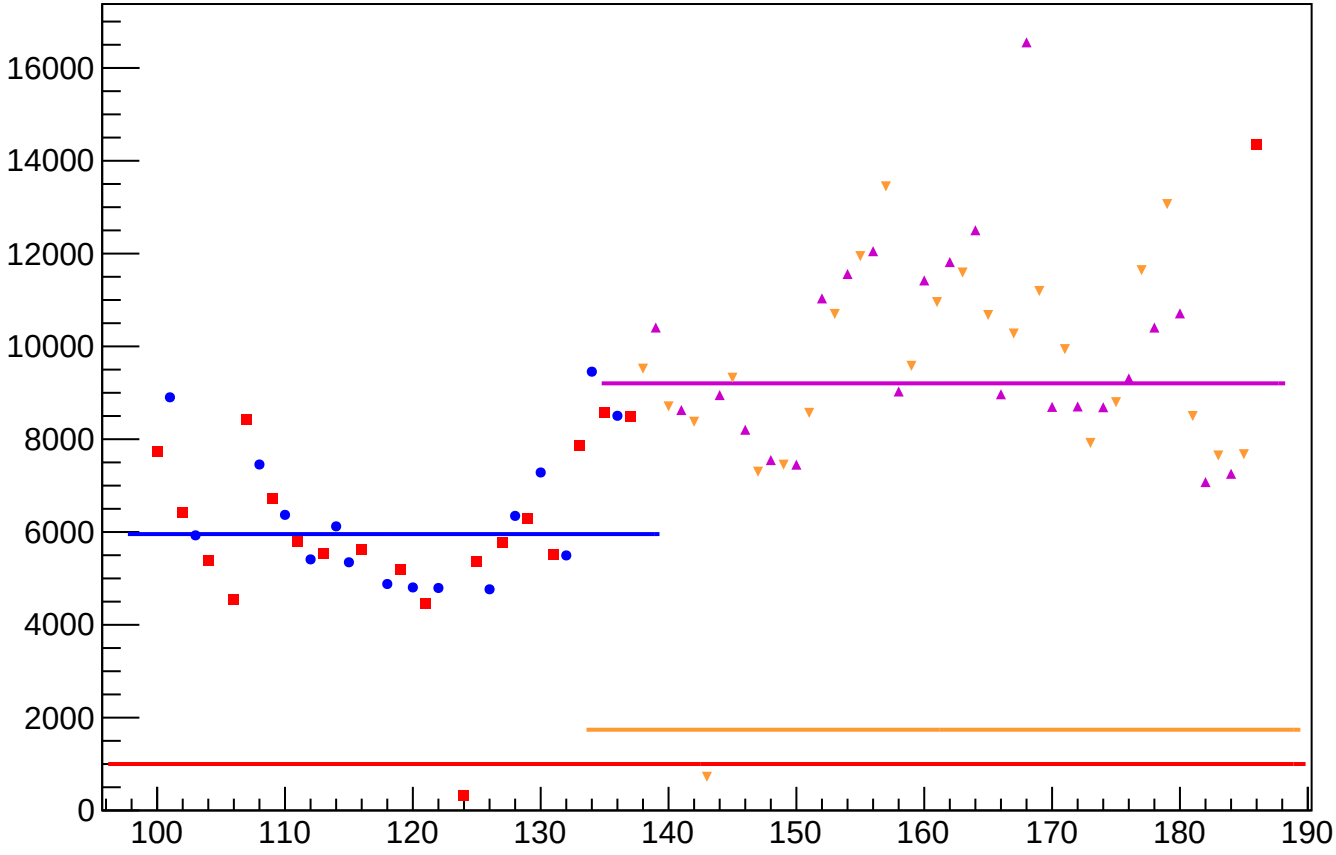
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1145.999+/-718.942 χ^2/NDF: 47.3/40

All: -773.362+/-510.318 χ^2/NDF: 84.9/83

- sign -394.953+/-724.487 χ^2/NDF: 37.0/42

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

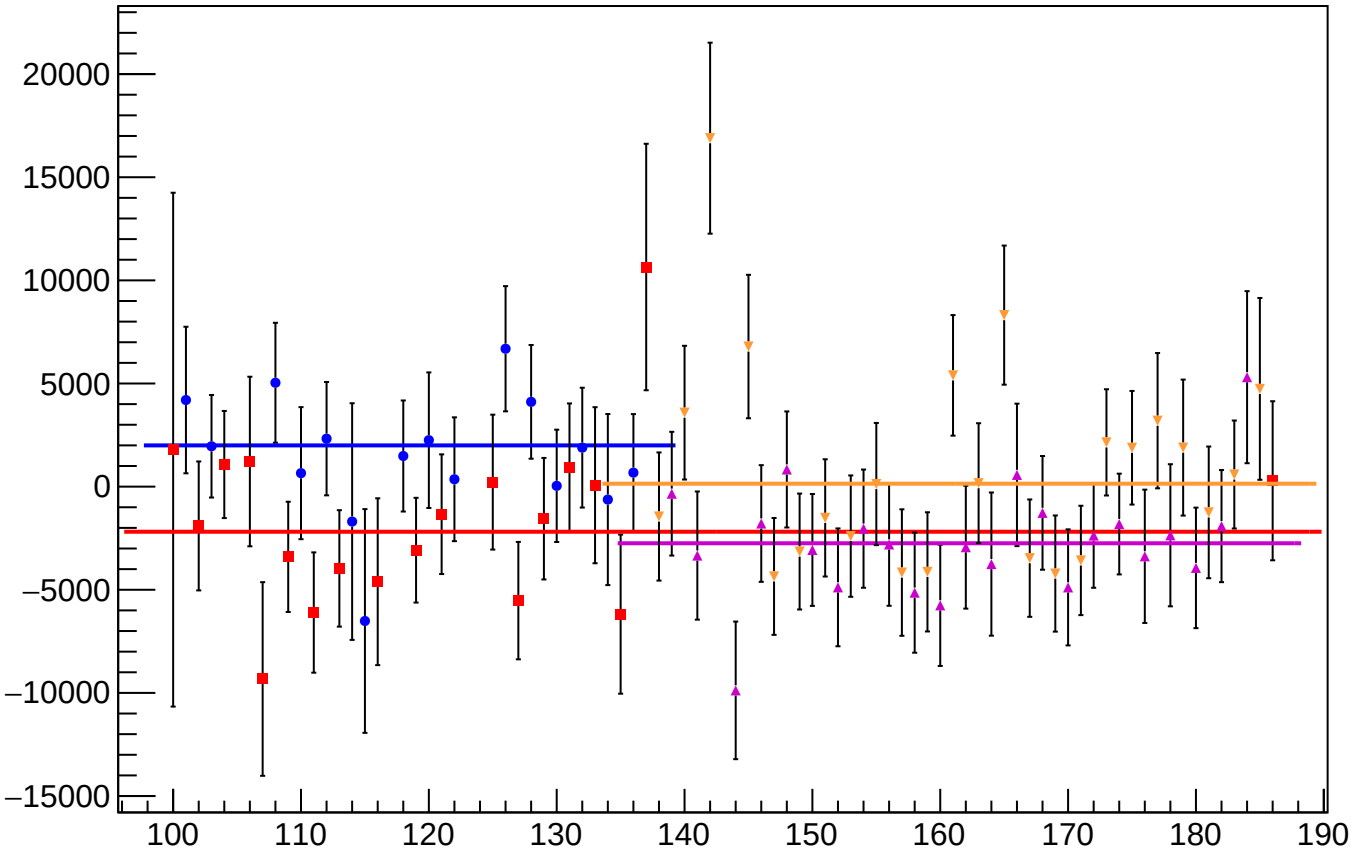
Right Out: 1000.716+/-0.543 χ^2/NDF: 12122883.9/19

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2160.081+/-0.508 χ^2/NDF: 34601714.0/40

All: 2028.221+/-0.361 χ^2/NDF: 73020642.9/8

- sign 1894.319+/-0.512 χ^2/NDF: 38283332.8/42



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2186.985+/-756.312 χ^2/NDF: 17.1/18

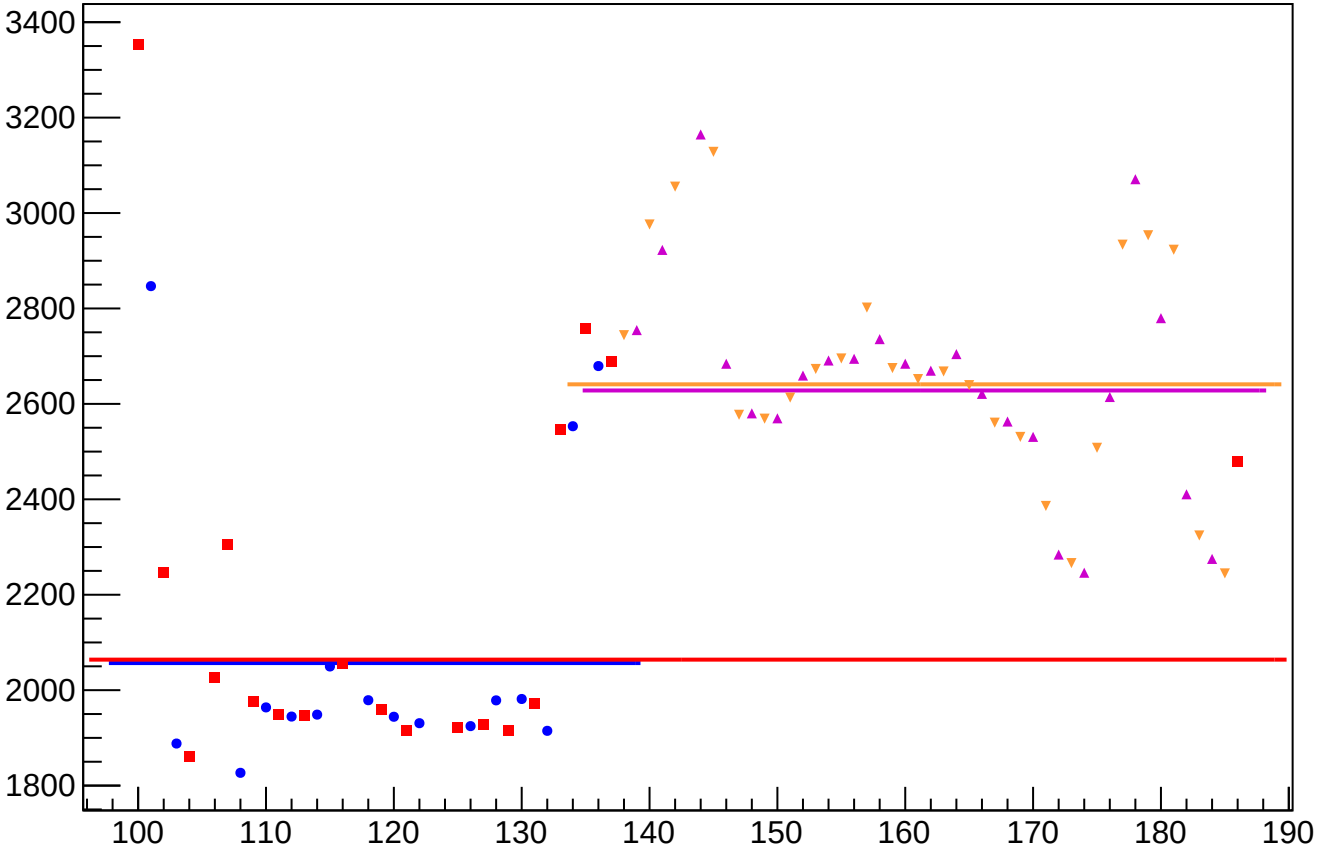
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 862.638+/-481.745 χ^2/NDF: 58.3/39

All: -844.520+/-339.199 χ^2/NDF: 116.1/81

- sign -2522.993+/-477.681 χ^2/NDF: 32.8/41

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

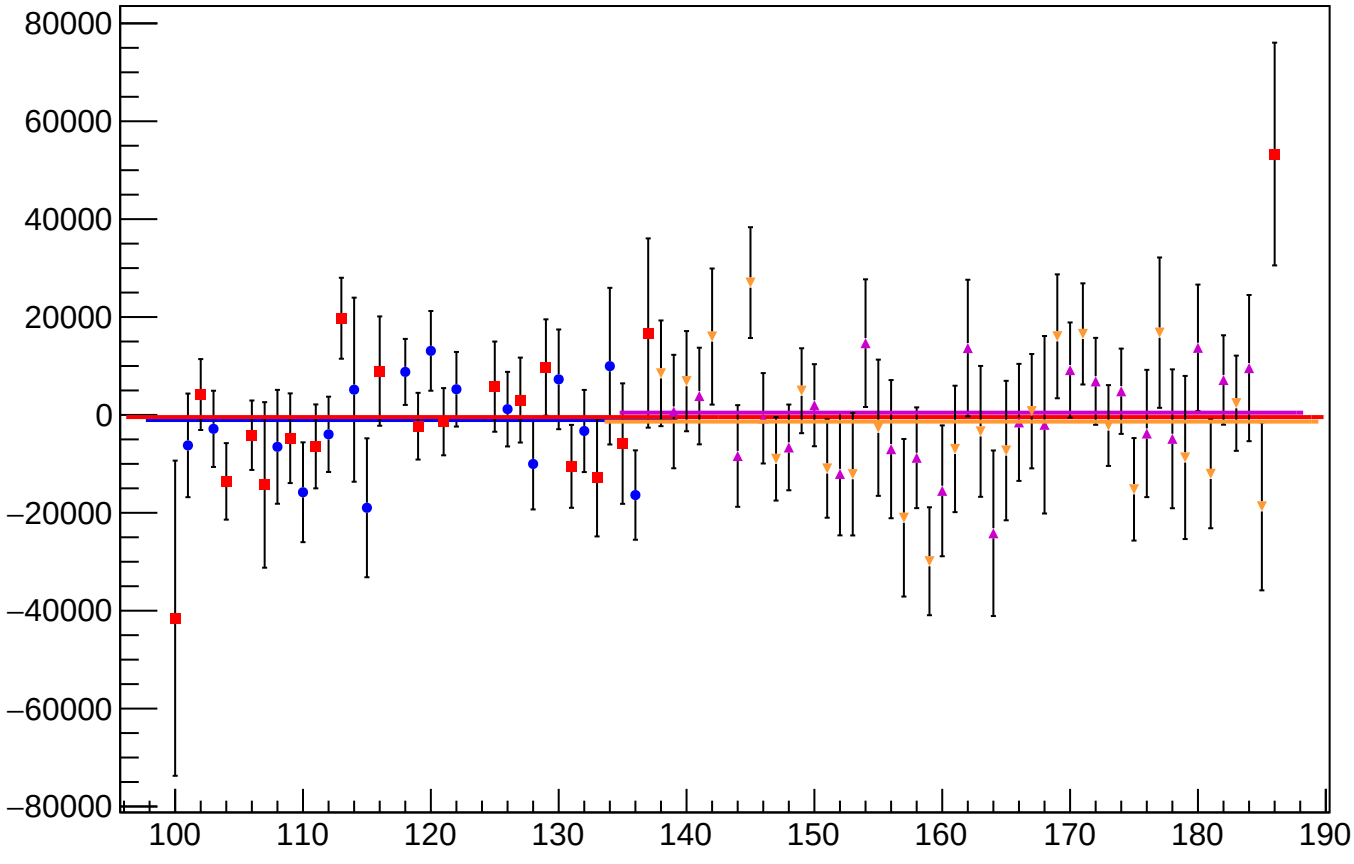
Right Out: 2064.003+/-0.534 χ^2/NDF: 220745.9/18

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2414.406+/-0.341 χ^2/NDF: 1222146.0/39

All: 2408.496+/-0.240 χ^2/NDF: 2350966.0/81

- sign 2402.692+/-0.338 χ^2/NDF: 1128223.4/41



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -439.493+/-2141.350 χ^2/NDF: 24.0/18

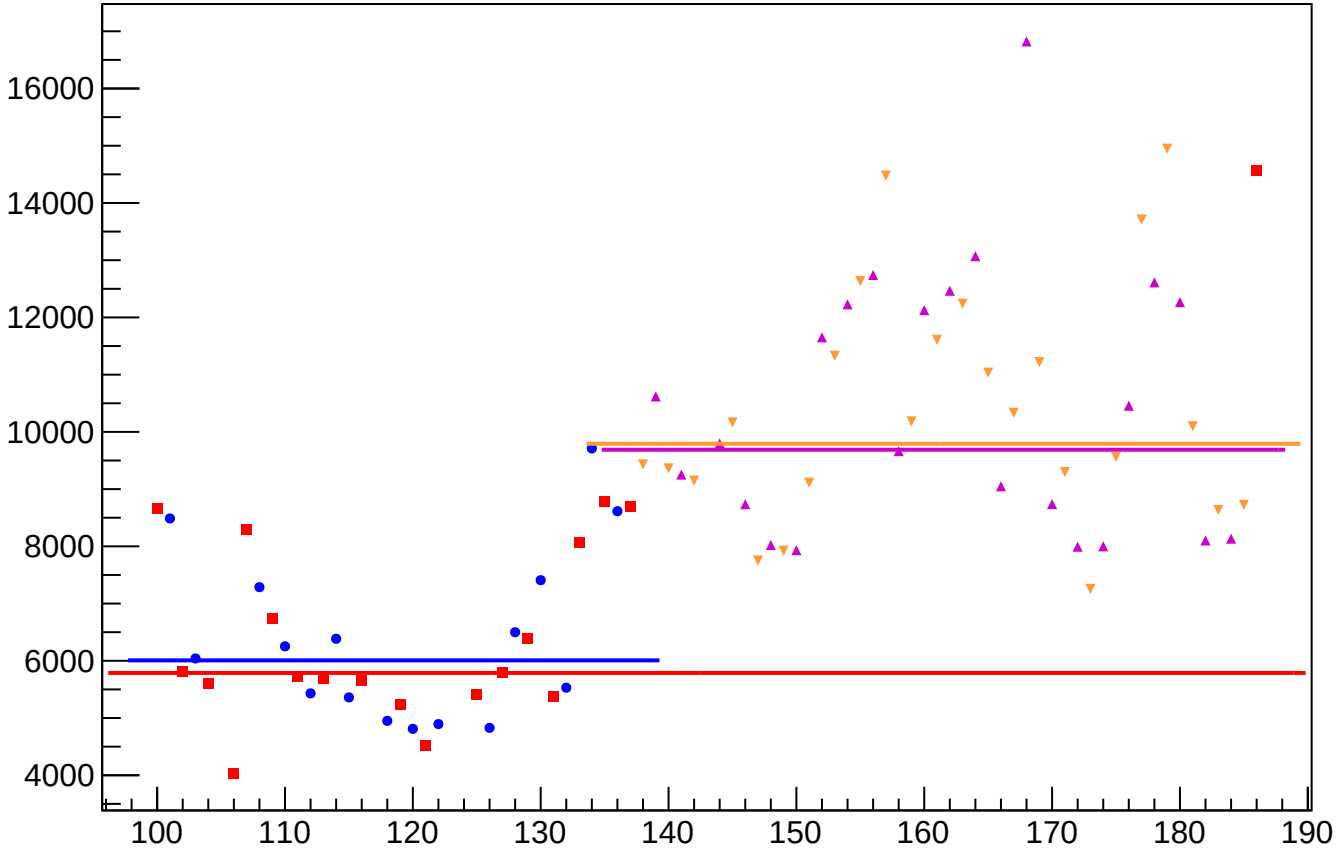
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -1202.454+/-1633.618 χ^2/NDF: 46.6/39

All: -589.941+/-1132.658 χ^2/NDF: 84.0/81

- sign -22.902+/-1571.809 χ^2/NDF: 37.1/41

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

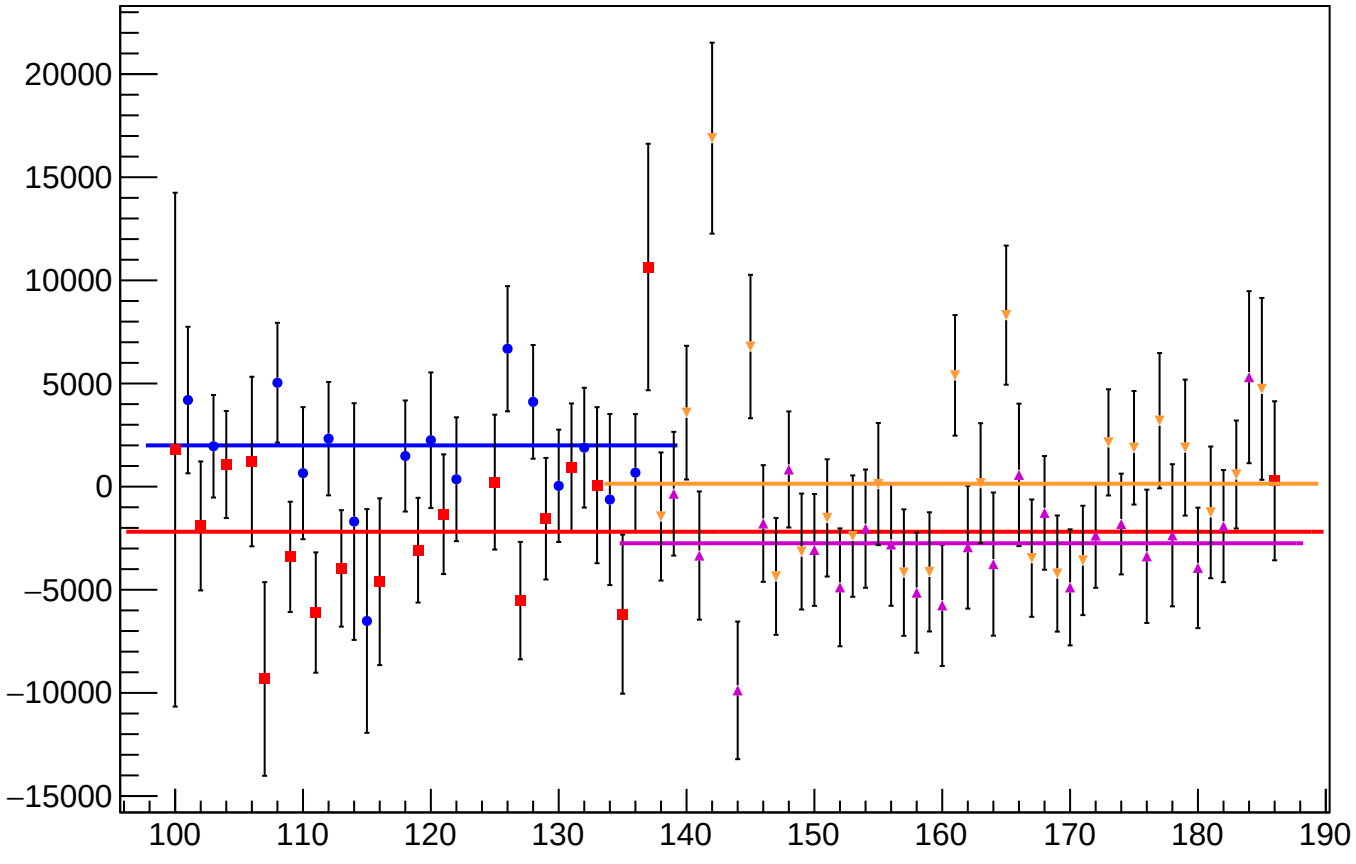
Right Out: 5788.320+/-1.514 χ^2/NDF: 836118.2/18

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 7873.880+/-1.155 χ^2/NDF: 4556395.6/39

All: 7724.885+/-0.801 χ^2/NDF: 9862193.1/81

- sign 7586.952+/-1.111 χ^2/NDF: 5273758.8/41



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2186.993+/-756.312 χ^2/NDF: 17.1/18

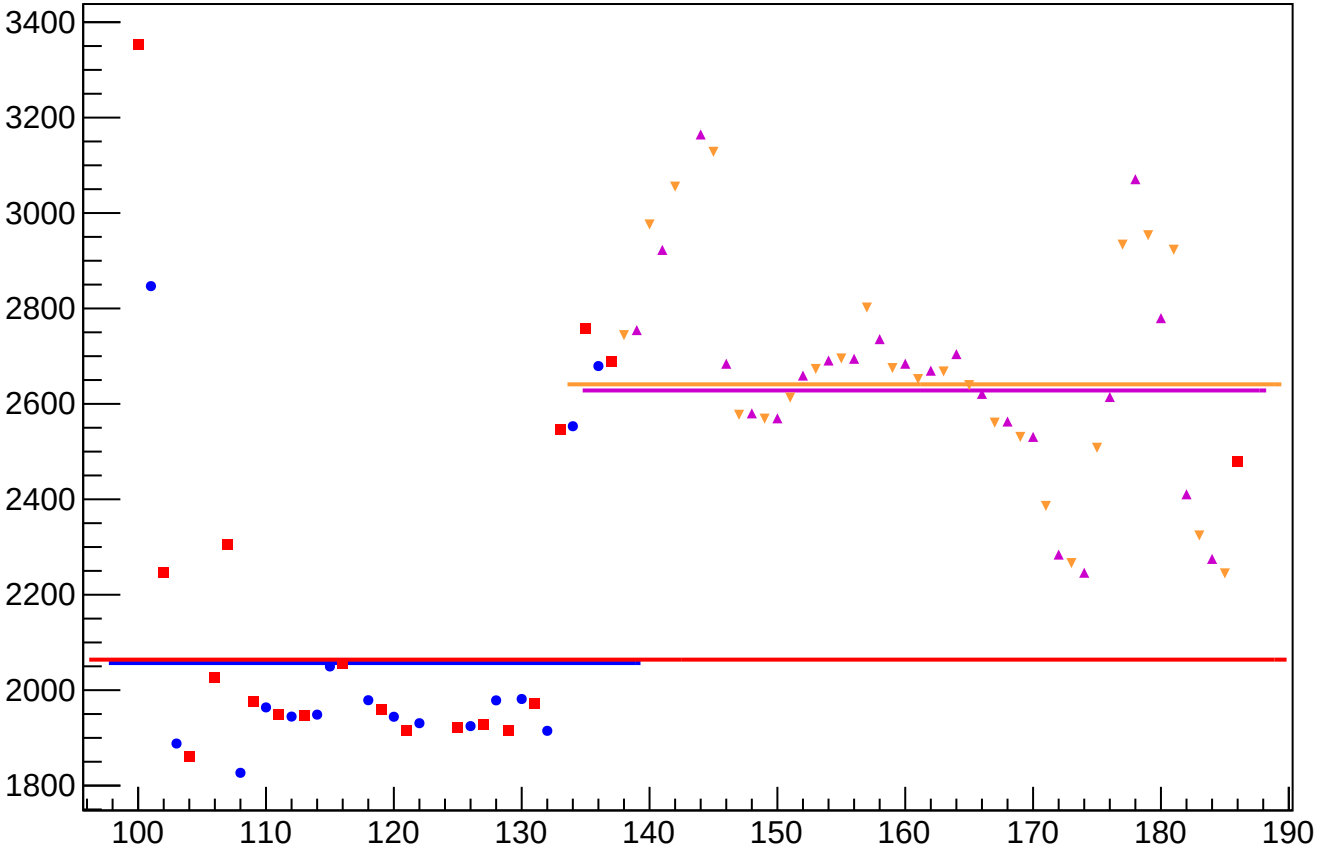
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 862.634+/-481.745 χ^2/NDF: 58.3/39

All: -844.523+/-339.199 χ^2/NDF: 116.1/81

- sign -2522.995+/-477.681 χ^2/NDF: 32.8/41

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

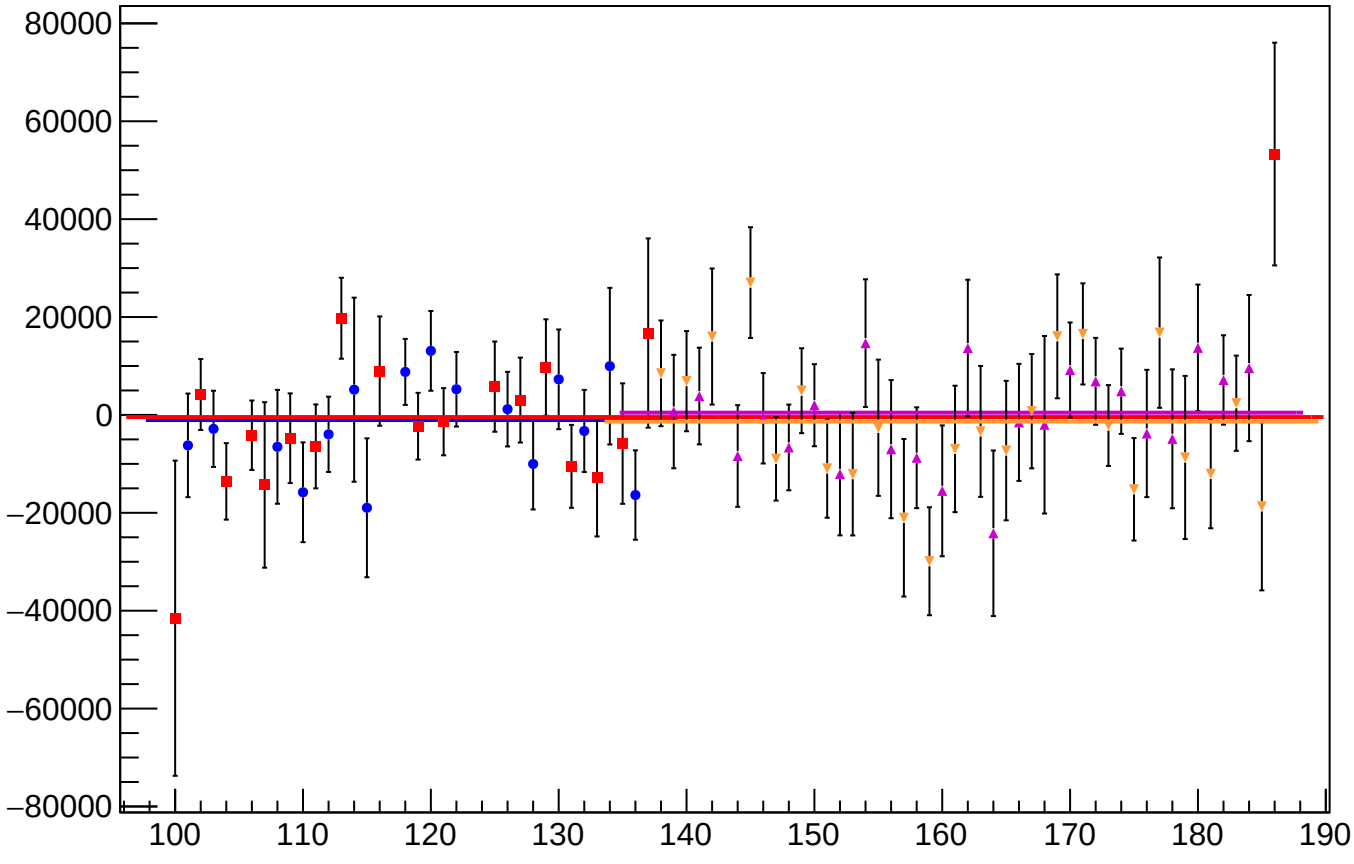
Right Out: 2064.003+/-0.534 χ^2/NDF: 220745.7/18

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2414.407+/-0.341 χ^2/NDF: 1222160.0/39

All: 2408.497+/-0.240 χ^2/NDF: 2350994.7/81

- sign 2402.693+/-0.338 χ^2/NDF: 1128238.0/41



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -439.501+/-2141.344 χ^2/NDF: 24.0/18

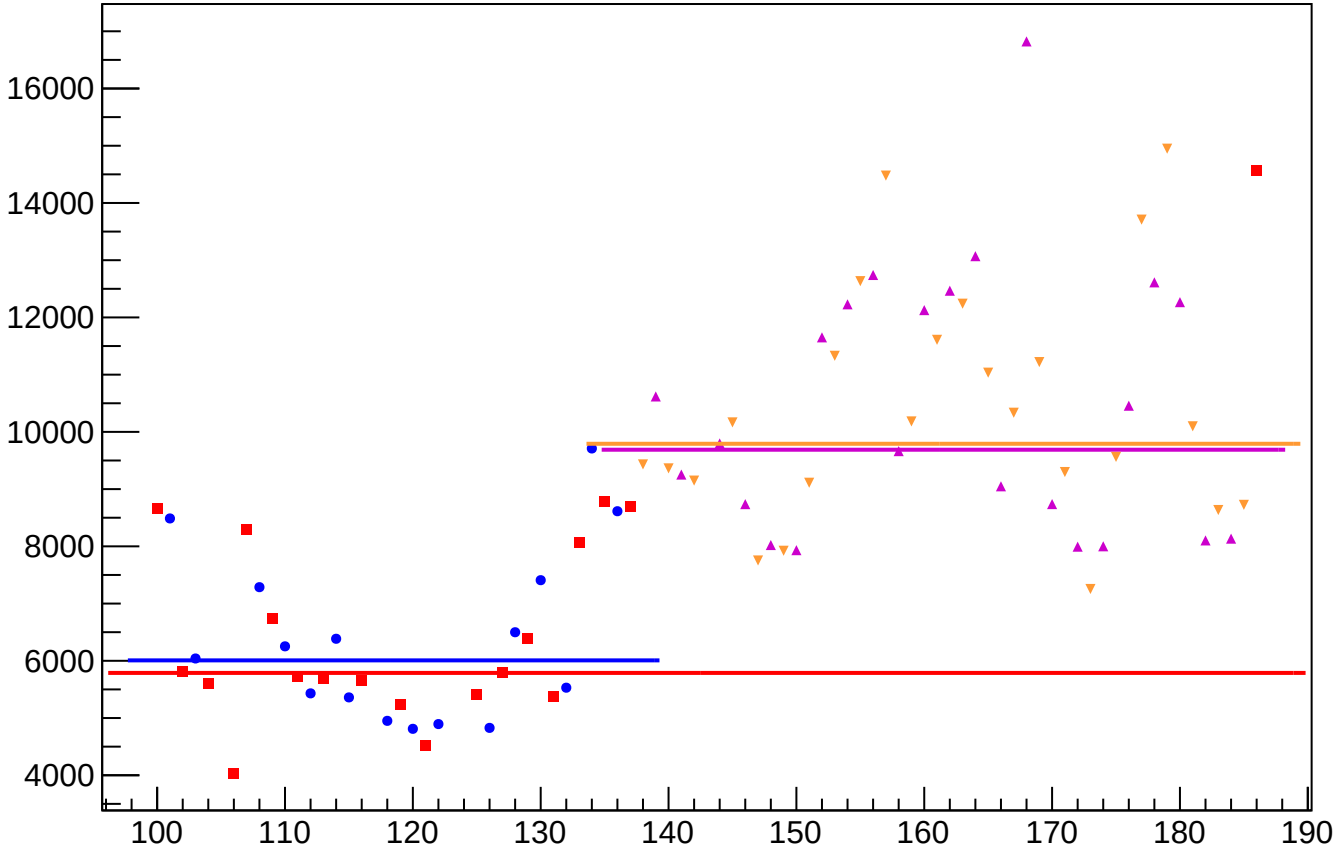
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -1202.452+/-1633.617 χ^2/NDF: 46.6/39

All: -589.943+/-1132.657 χ^2/NDF: 84.0/81

- sign -22.907+/-1571.808 χ^2/NDF: 37.1/41

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 5788.303+/-1.514 χ^2/NDF: 836123.2/18

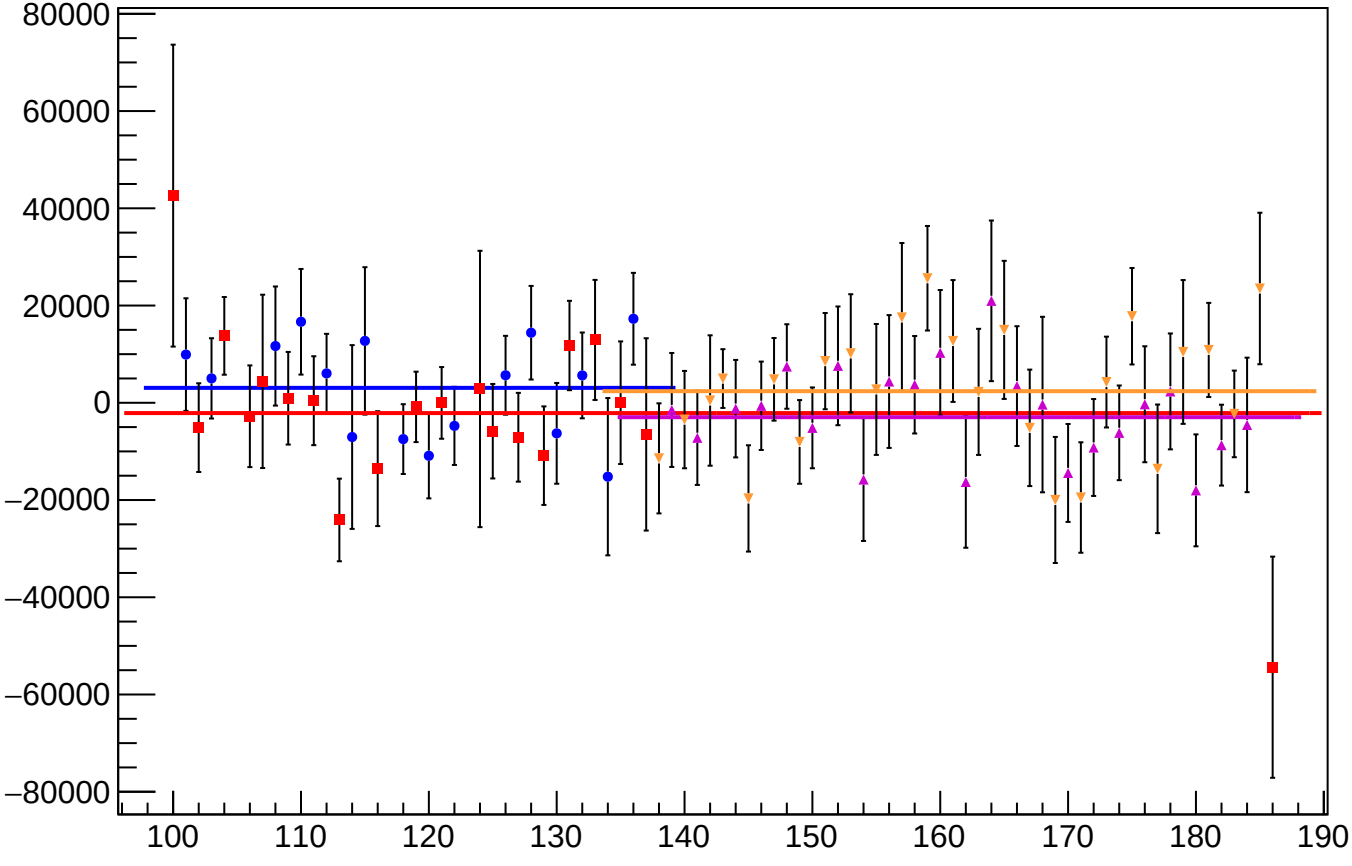
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 7873.870+/-1.155 χ^2/NDF: 4556459.4/39

All: 7724.874+/-0.801 χ^2/NDF: 9862317.7/81

- sign 7586.941+/-1.111 χ^2/NDF: 5273819.5/41

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -2118.393+/-2323.661 χ^2/NDF: 24.5/19

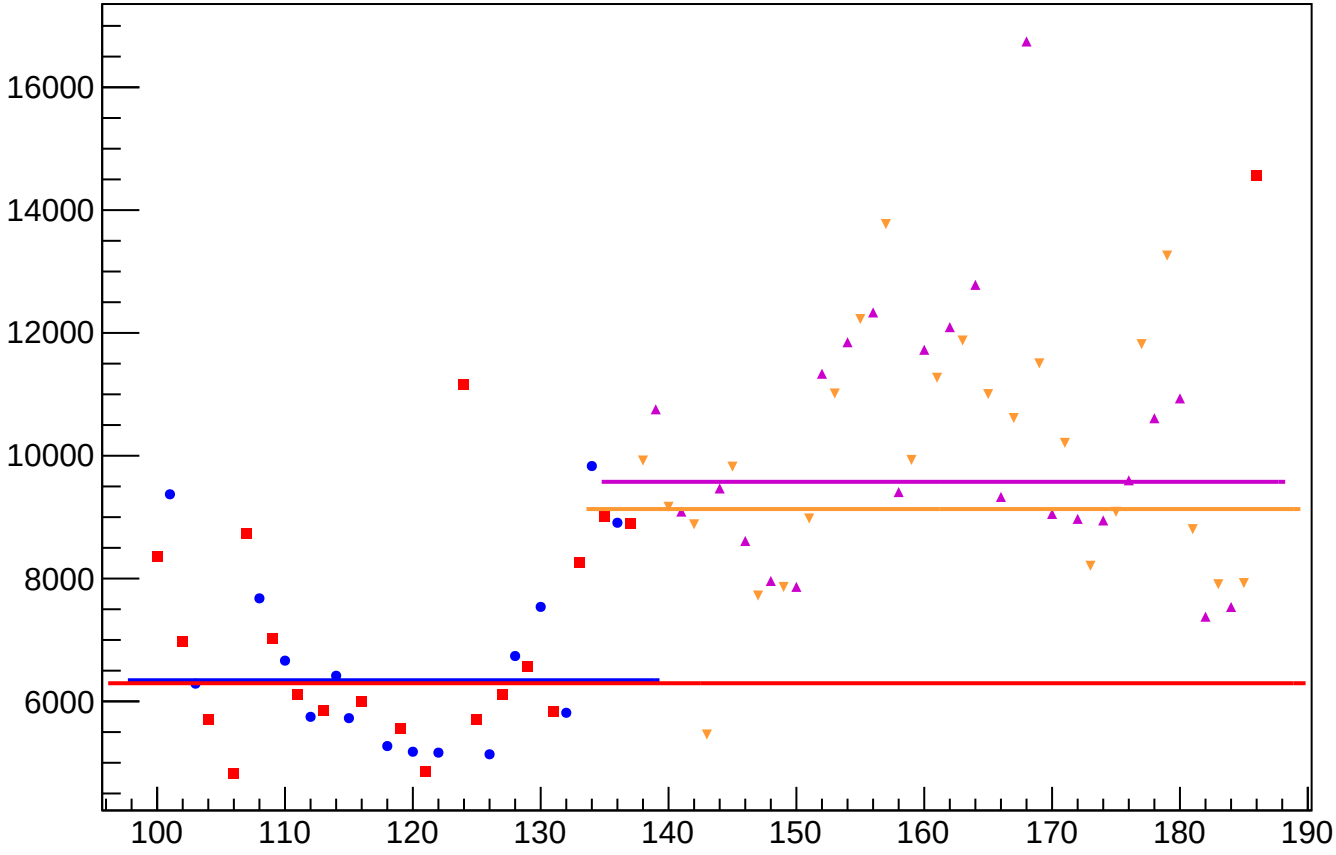
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2686.683+/-1601.854 χ^2/NDF: 44.7/40

All: 109.575+/-1141.479 χ^2/NDF: 87.5/83

- sign -2549.179+/-1627.030 χ^2/NDF: 37.6/42

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

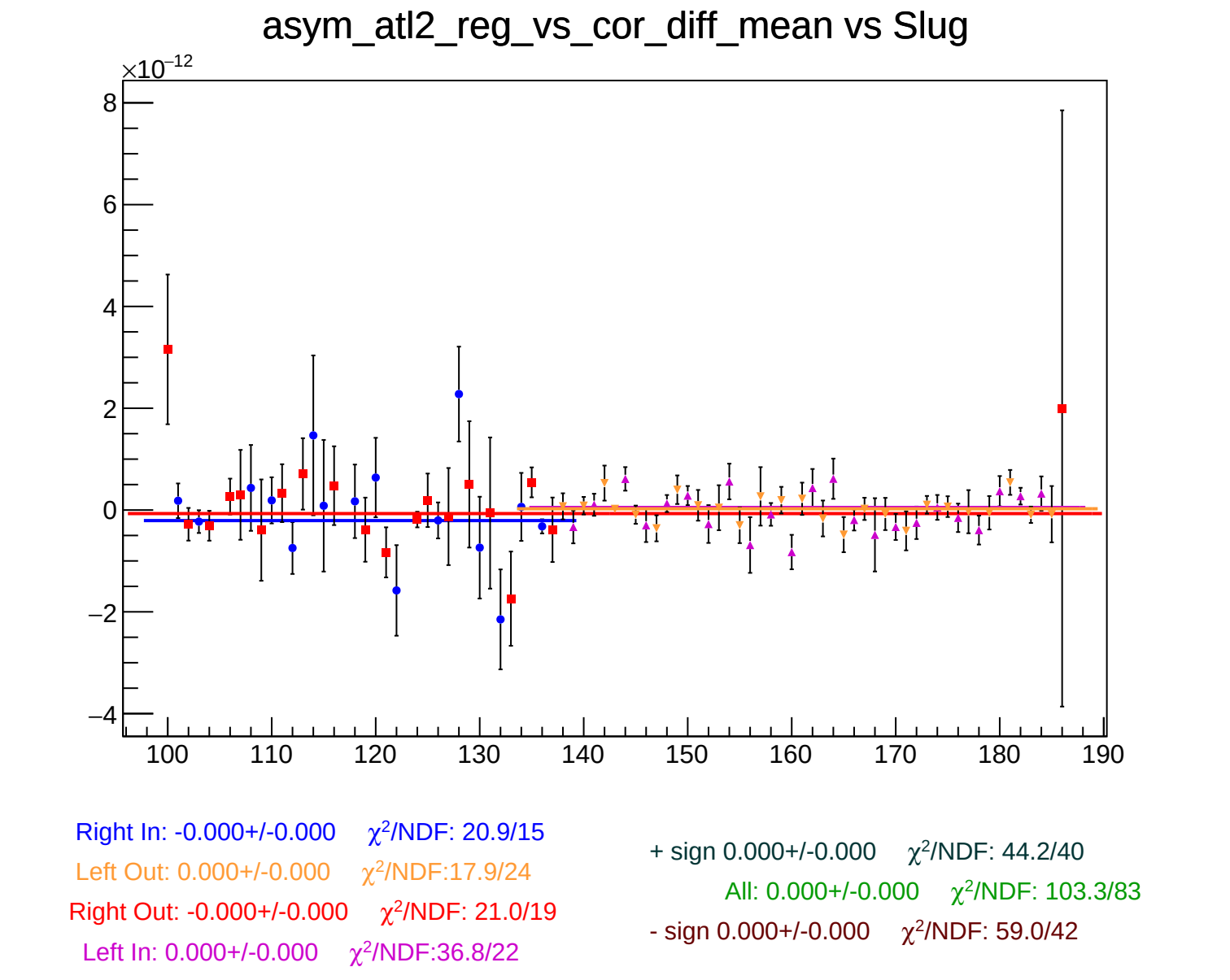
Right Out: 6295.312+/-1.643 χ^2/NDF: 738953.2/19

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

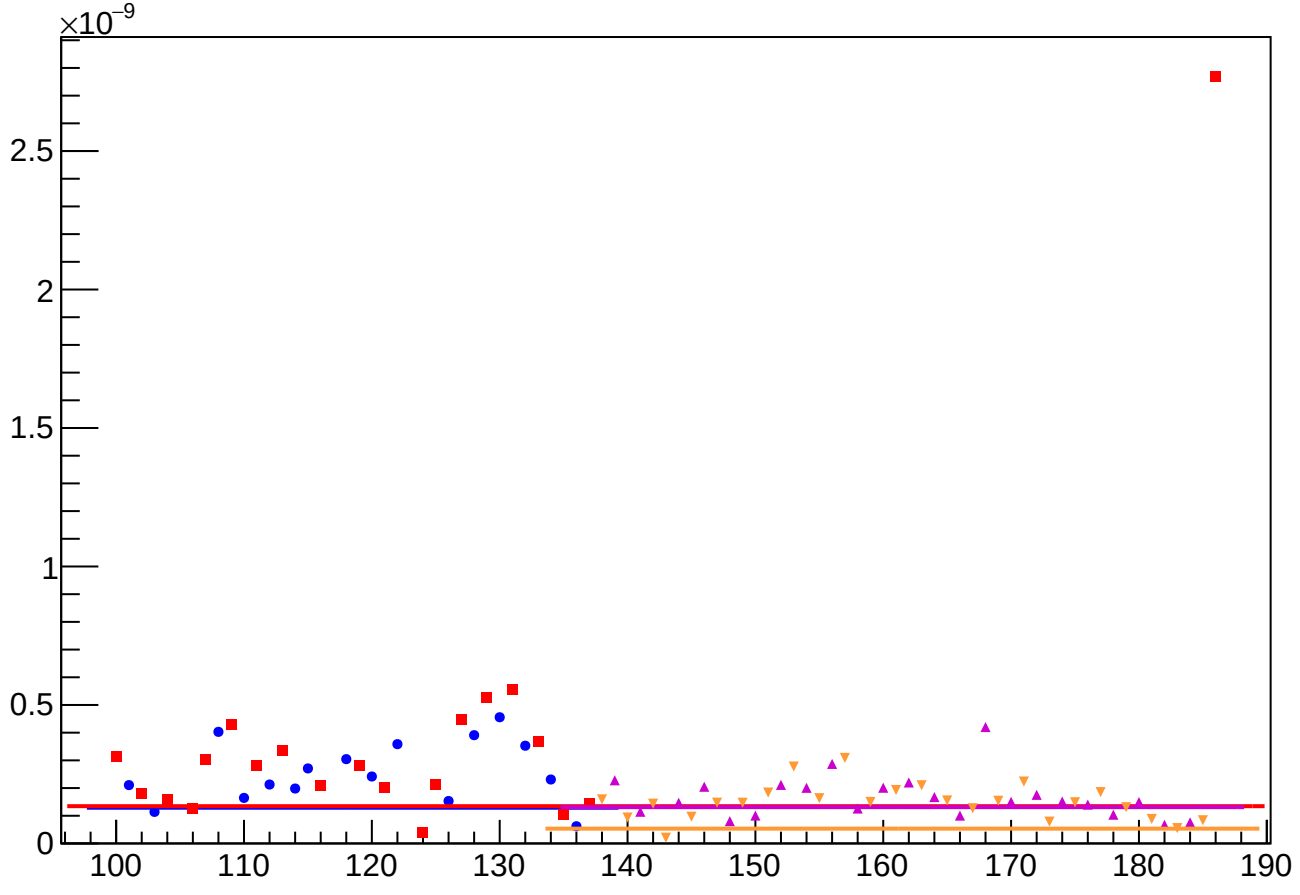
+ sign 7910.935+/-1.133 χ^2/NDF: 3924078.6/40

All: 7938.601+/-0.807 χ^2/NDF: 7849200.1/83

- sign 7967.143+/-1.150 χ^2/NDF: 3923909.4/42


asym_atl2_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: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:17.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.0/19
Left In: 0.000+/-0.000 χ²/NDF:36.8/22
+ sign 0.000+/-0.000 χ²/NDF: 44.2/40
All: 0.000+/-0.000 χ²/NDF: 103.3/83
- sign 0.000+/-0.000 χ²/NDF: 59.0/42

asym_atl2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2709491.8/19

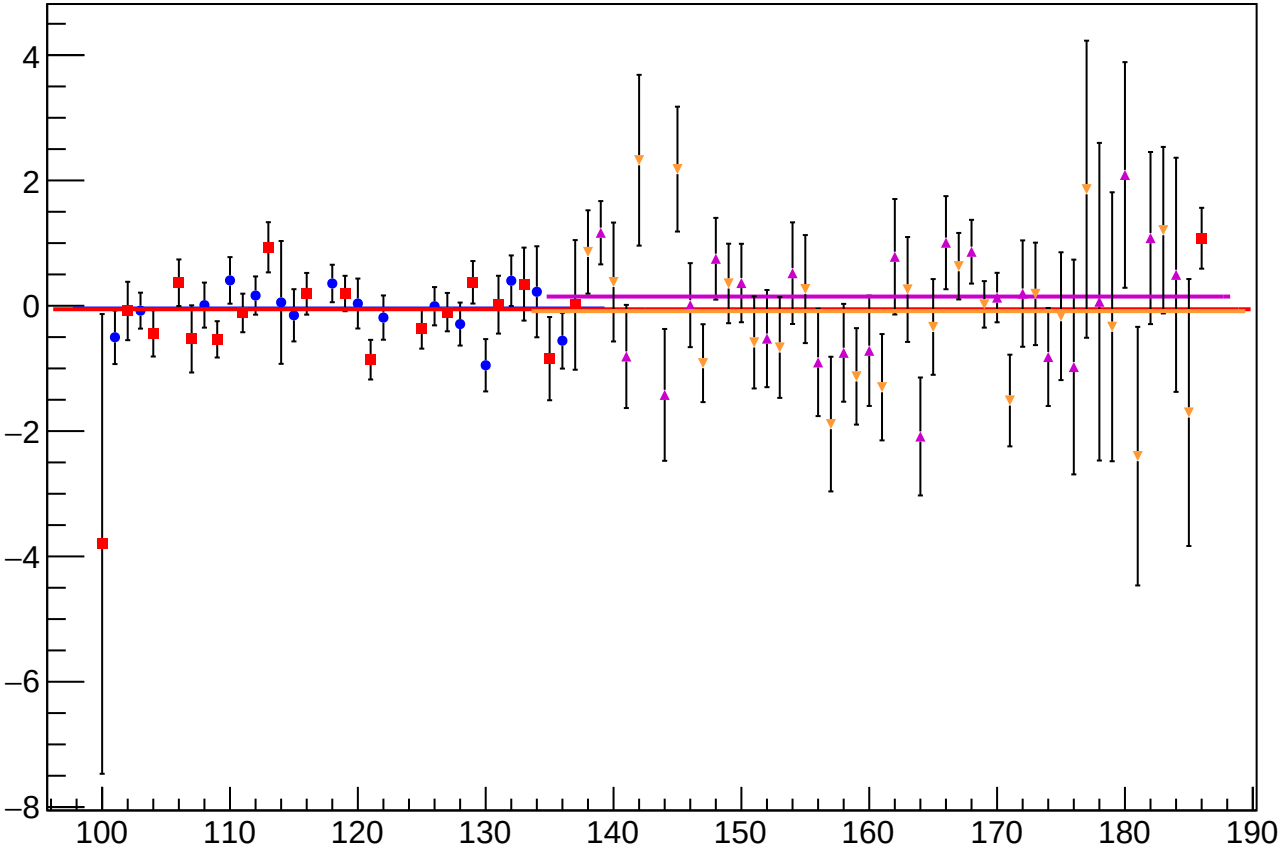
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10112060.7/40

All: 0.000+/-0.000 χ^2/NDF: 18101132.8/83

- sign 0.000+/-0.000 χ^2/NDF: 4615729.6/42

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.055+/-0.089 χ^2/NDF: 30.9/18

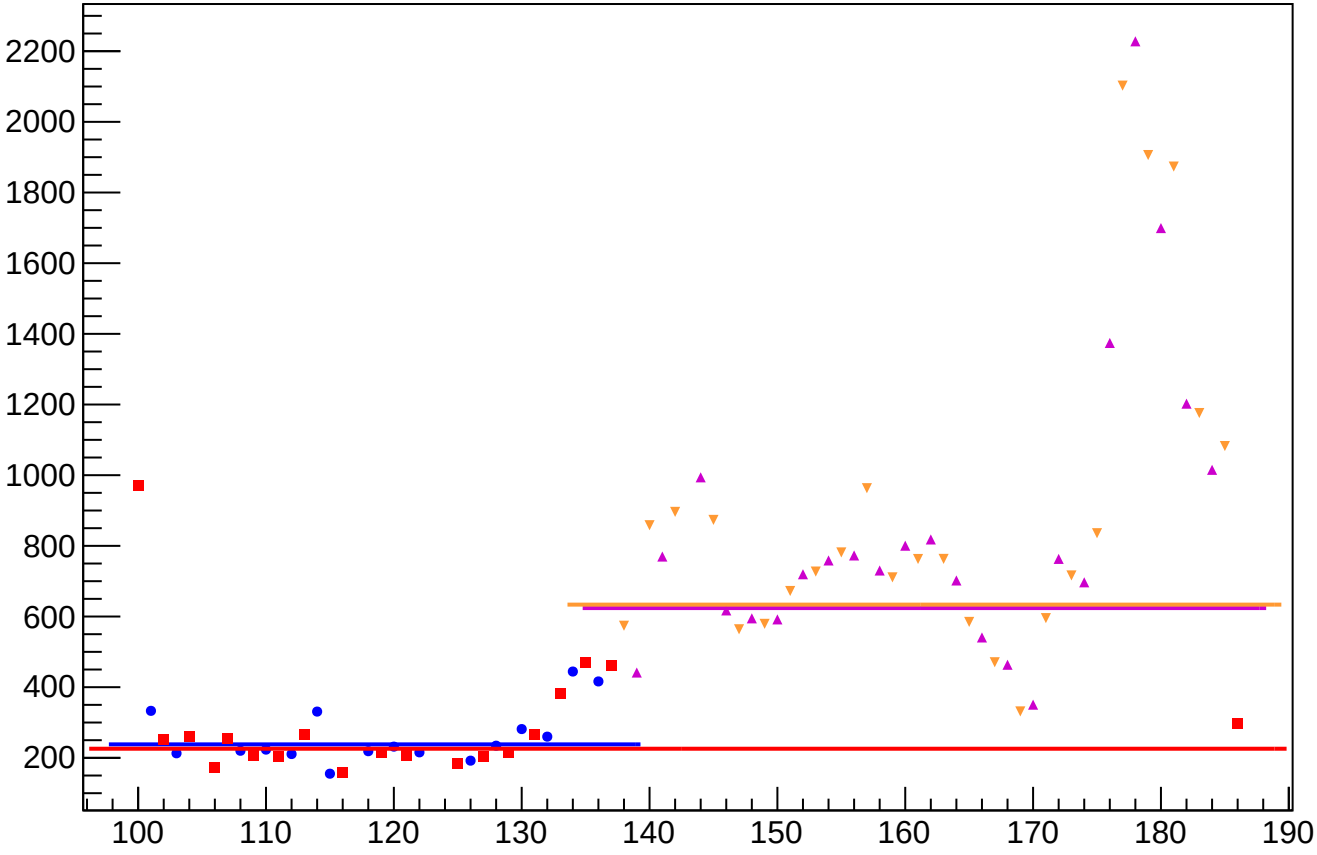
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.054+/-0.081 χ^2/NDF: 43.4/39

All: -0.030+/-0.056 χ^2/NDF: 102.2/81

- sign -0.007+/-0.077 χ^2/NDF: 58.6/41

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 225.835+/-0.063 χ^2/NDF: 906882.2/18

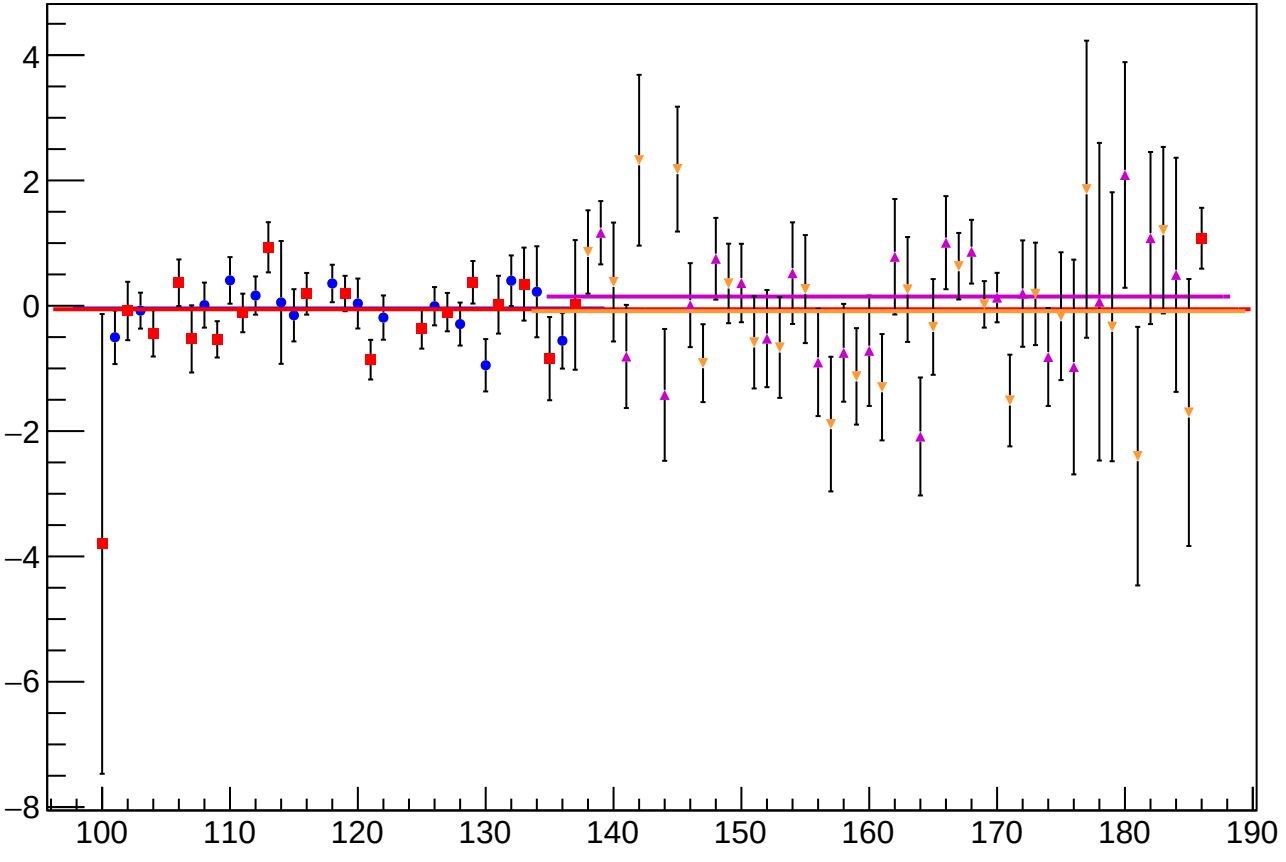
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 337.991+/-0.057 χ^2/NDF: 14776343.3/39

All: 328.953+/-0.040 χ^2/NDF: 29914843.4/81

- sign 320.751+/-0.055 χ^2/NDF: 15091117.9/41

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.055+/-0.089 χ^2/NDF: 30.9/18

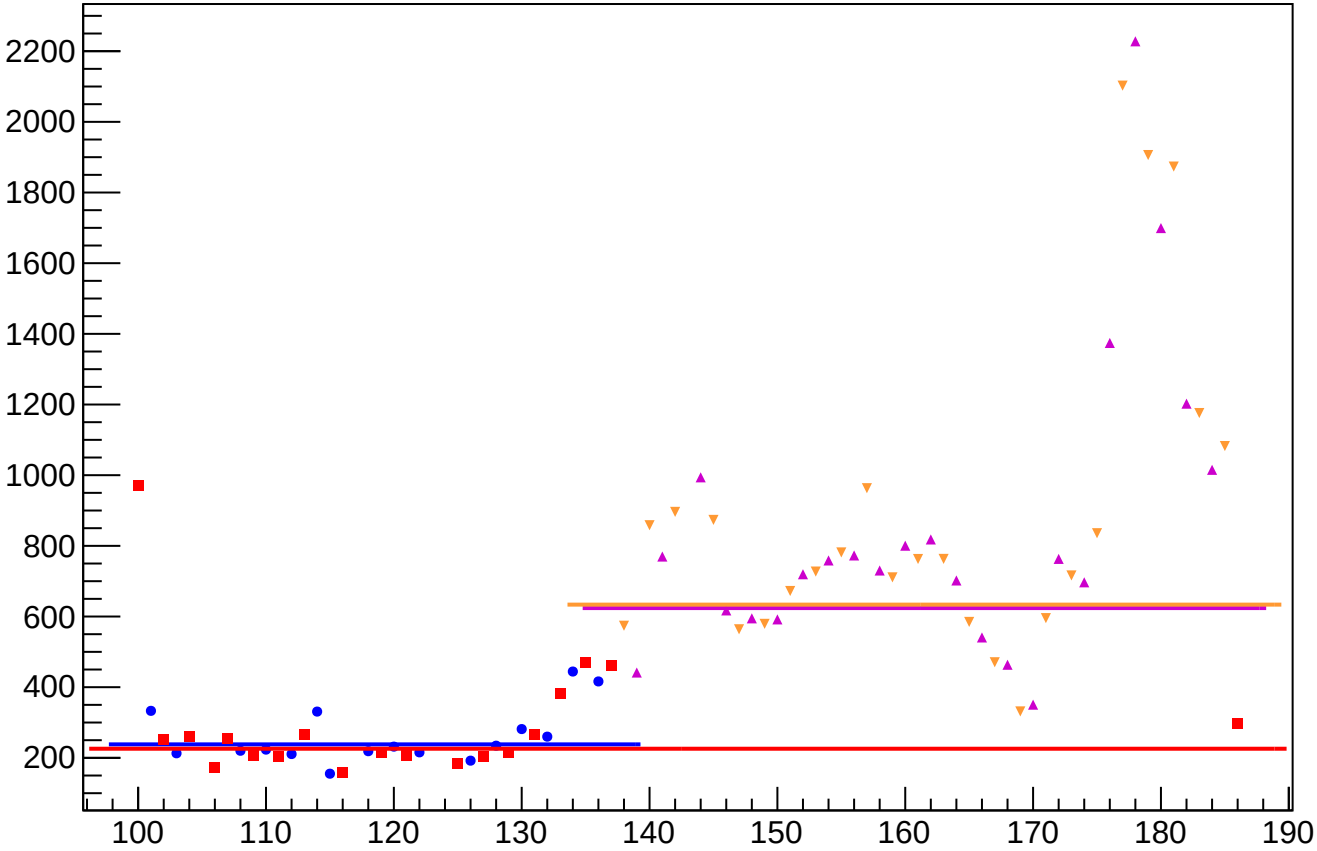
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.054+/-0.081 χ^2/NDF: 43.4/39

All: -0.030+/-0.056 χ^2/NDF: 102.2/81

- sign -0.007+/-0.077 χ^2/NDF: 58.6/41

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

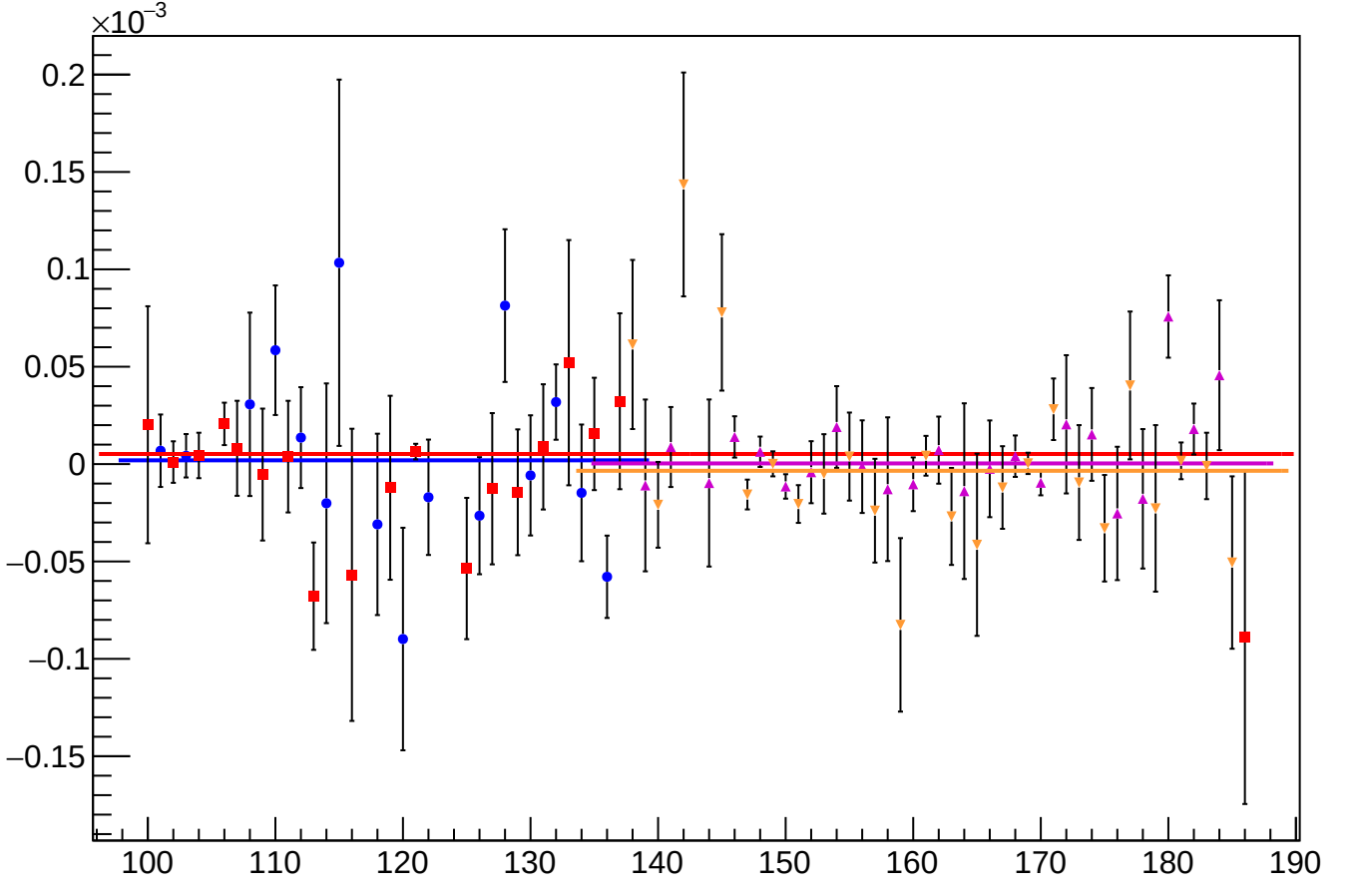
Right Out: 225.835+/-0.063 χ^2/NDF: 906882.2/18

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 337.991+/-0.057 χ^2/NDF: 14776343.3/39

All: 328.953+/-0.040 χ^2/NDF: 29914843.4/81

- sign 320.751+/-0.055 χ^2/NDF: 15091117.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

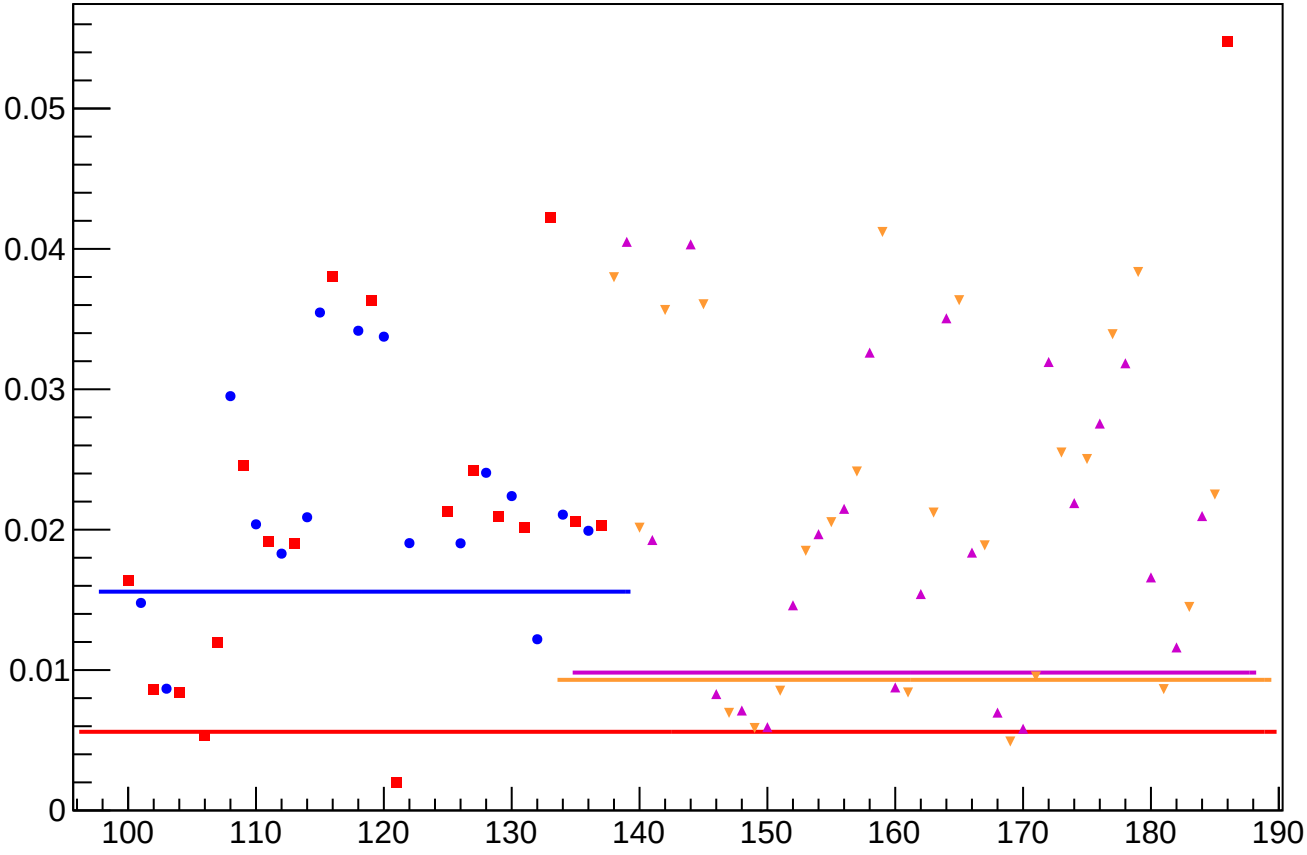
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.9/39

All: 0.000+/-0.000 χ^2/NDF: 106.2/81

- 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: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.006+/-0.000 χ^2/NDF: 8613260.3/18

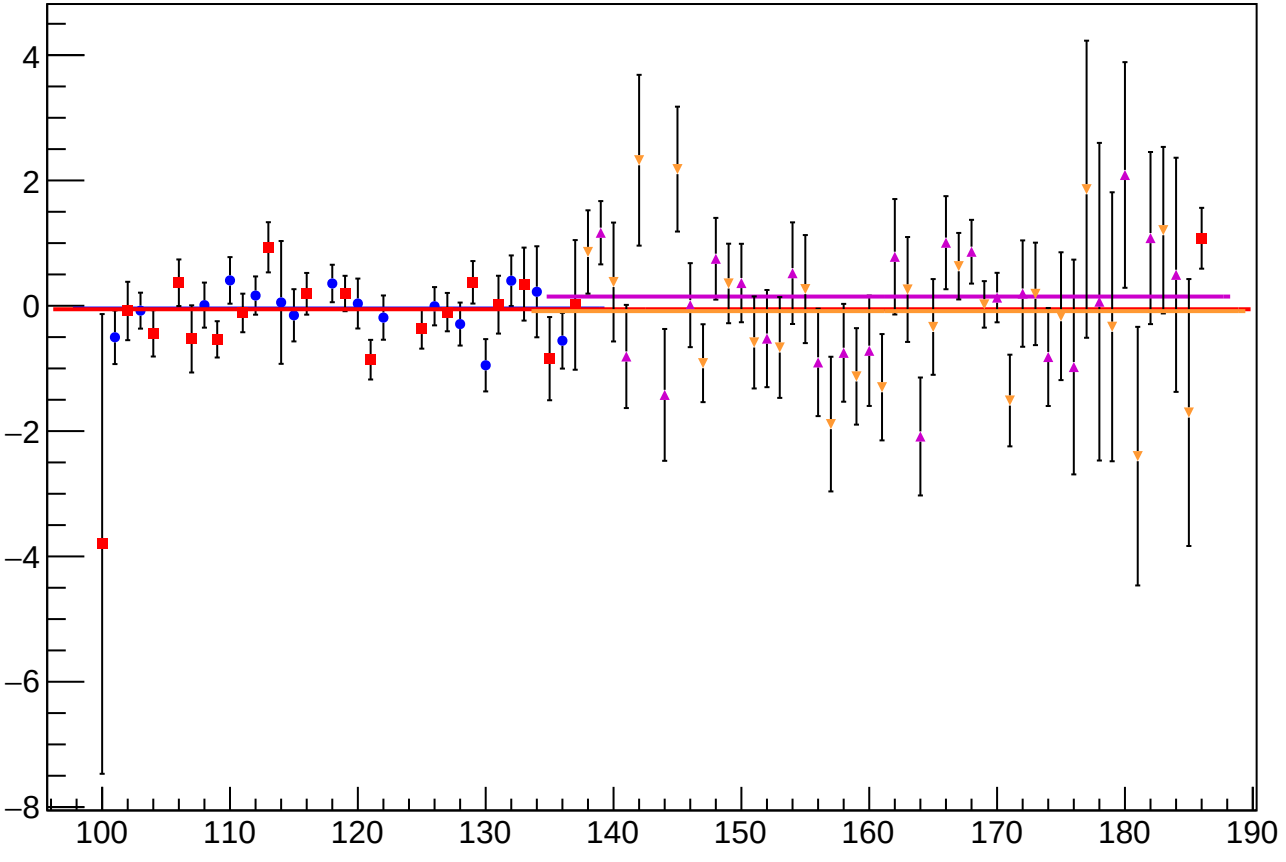
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.010+/-0.000 χ^2/NDF: 15934646.7/39

All: 0.009+/-0.000 χ^2/NDF: 37791275.5/81

- sign 0.008+/-0.000 χ^2/NDF: 20833484.4/41

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.055+/-0.089 χ^2/NDF: 30.9/18

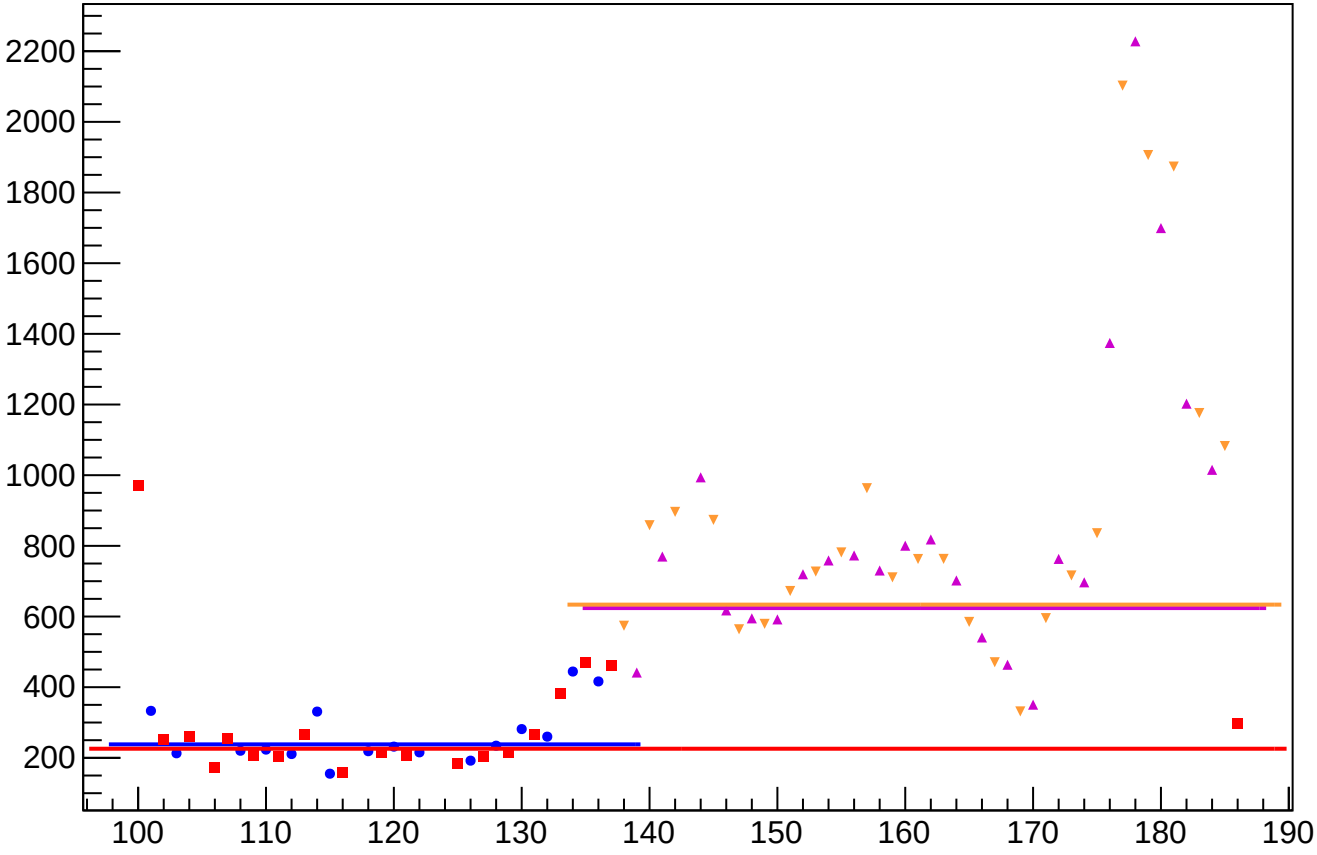
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.054+/-0.081 χ^2/NDF: 43.4/39

All: -0.030+/-0.056 χ^2/NDF: 102.2/81

- sign -0.007+/-0.077 χ^2/NDF: 58.6/41

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 225.836+/-0.063 χ^2/NDF: 906788.8/18

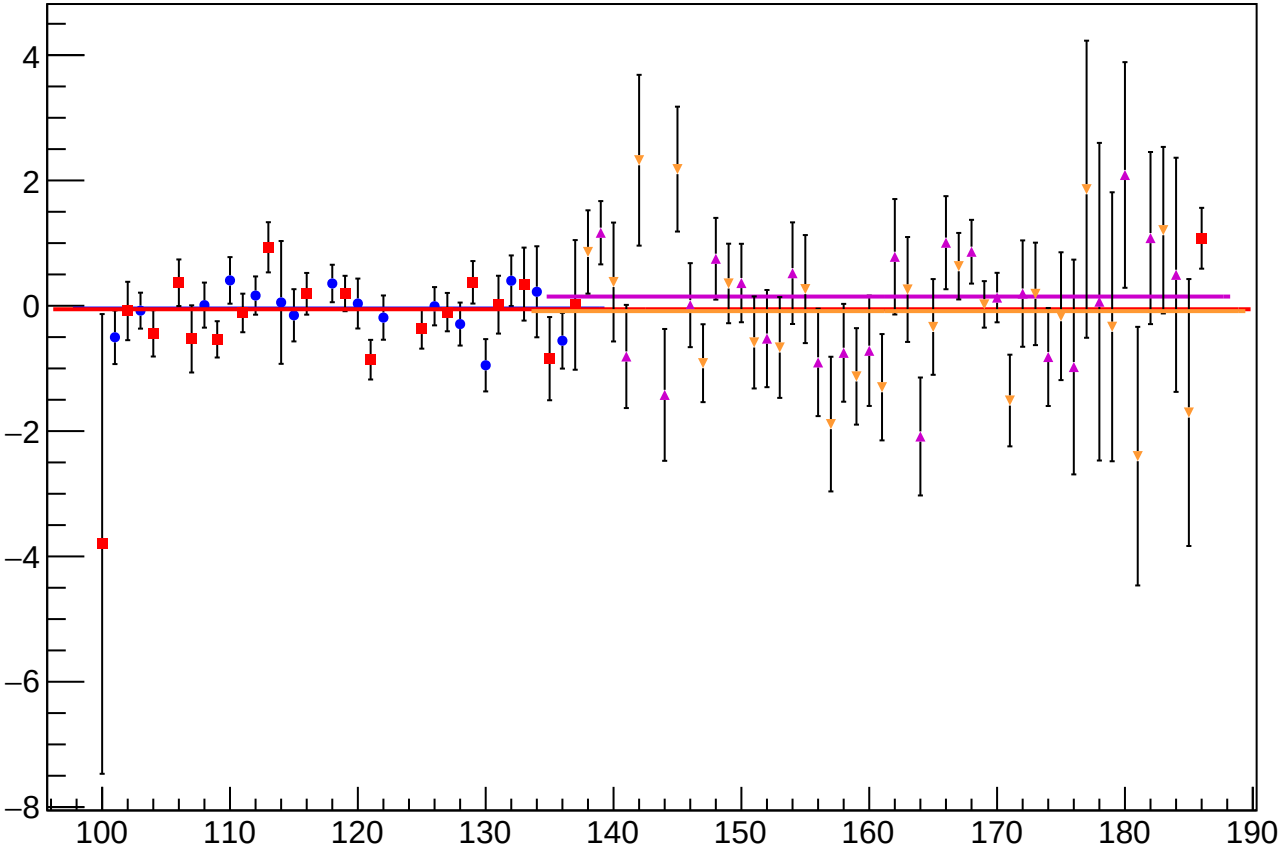
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 337.992+/-0.057 χ^2/NDF: 14776412.3/39

All: 328.953+/-0.040 χ^2/NDF: 29914917.3/81

- sign 320.752+/-0.055 χ^2/NDF: 15091122.8/41

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

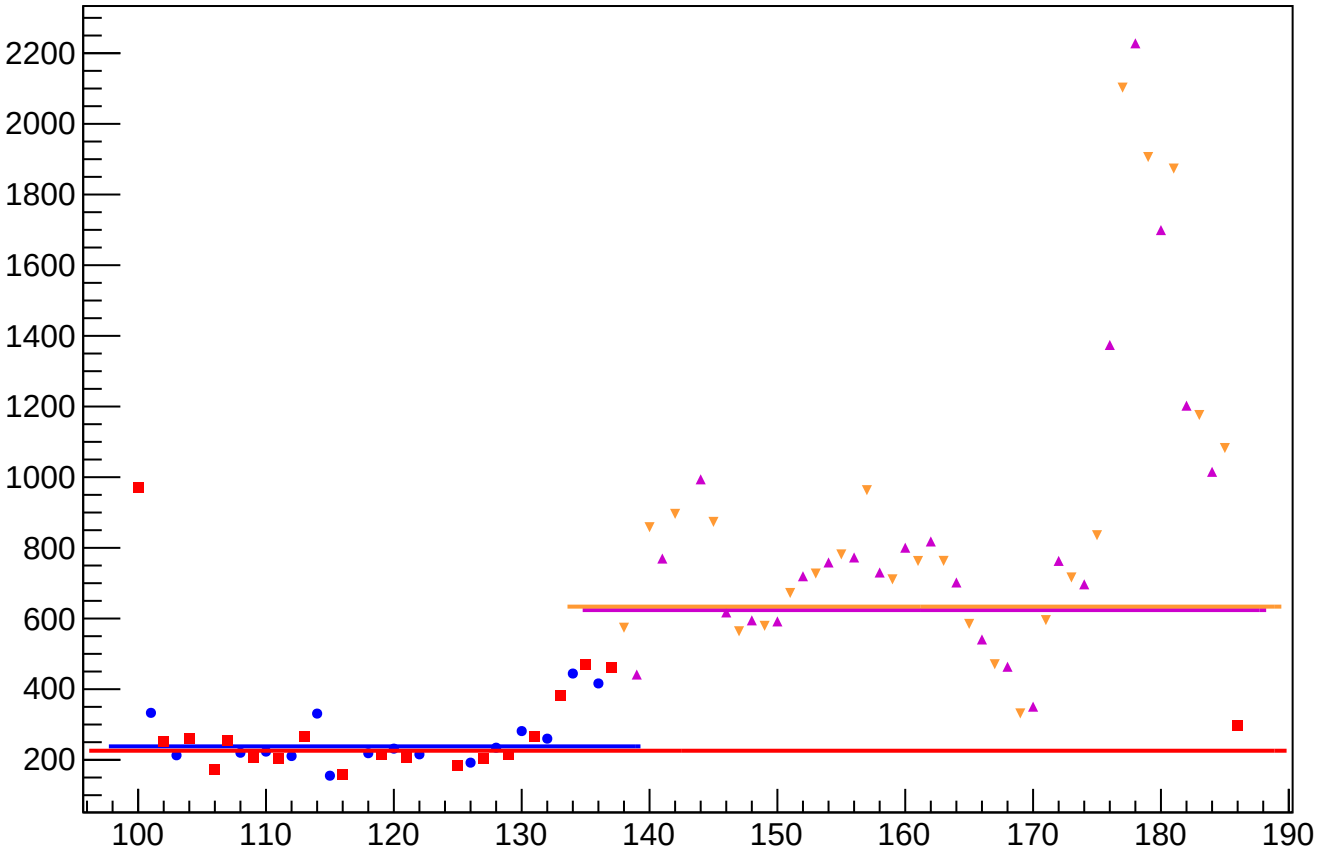
Right Out: -0.055+/-0.089 χ^2/NDF: 30.9/18

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.054+/-0.081 χ^2/NDF: 43.4/39

All: -0.030+/-0.056 χ^2/NDF: 102.2/81

- sign -0.007+/-0.077 χ^2/NDF: 58.6/41



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 225.836+/-0.063 χ^2/NDF: 906788.8/18

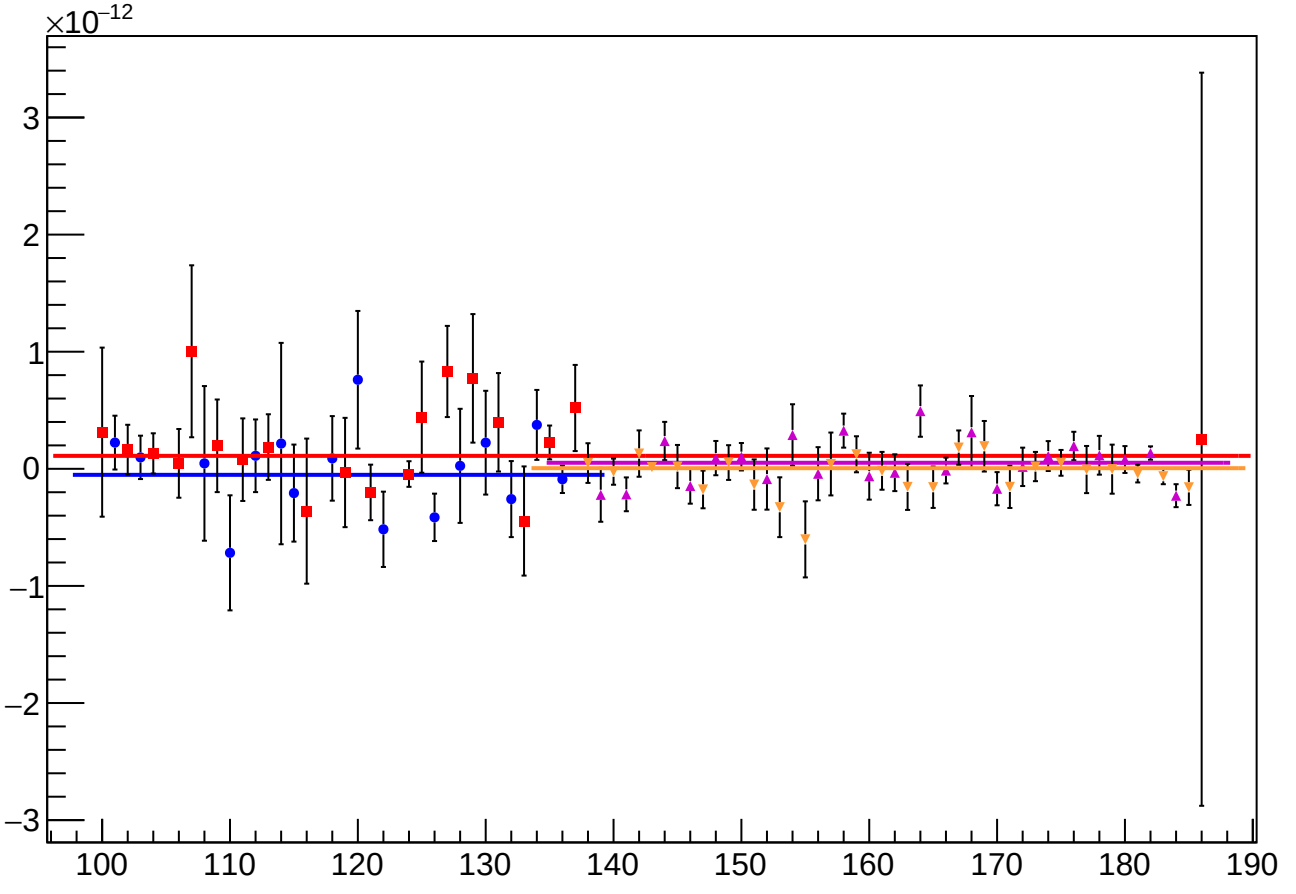
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 337.992+/-0.057 χ^2/NDF: 14776412.3/39

All: 328.953+/-0.040 χ^2/NDF: 29914917.3/81

- sign 320.752+/-0.055 χ^2/NDF: 15091122.8/41

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/19

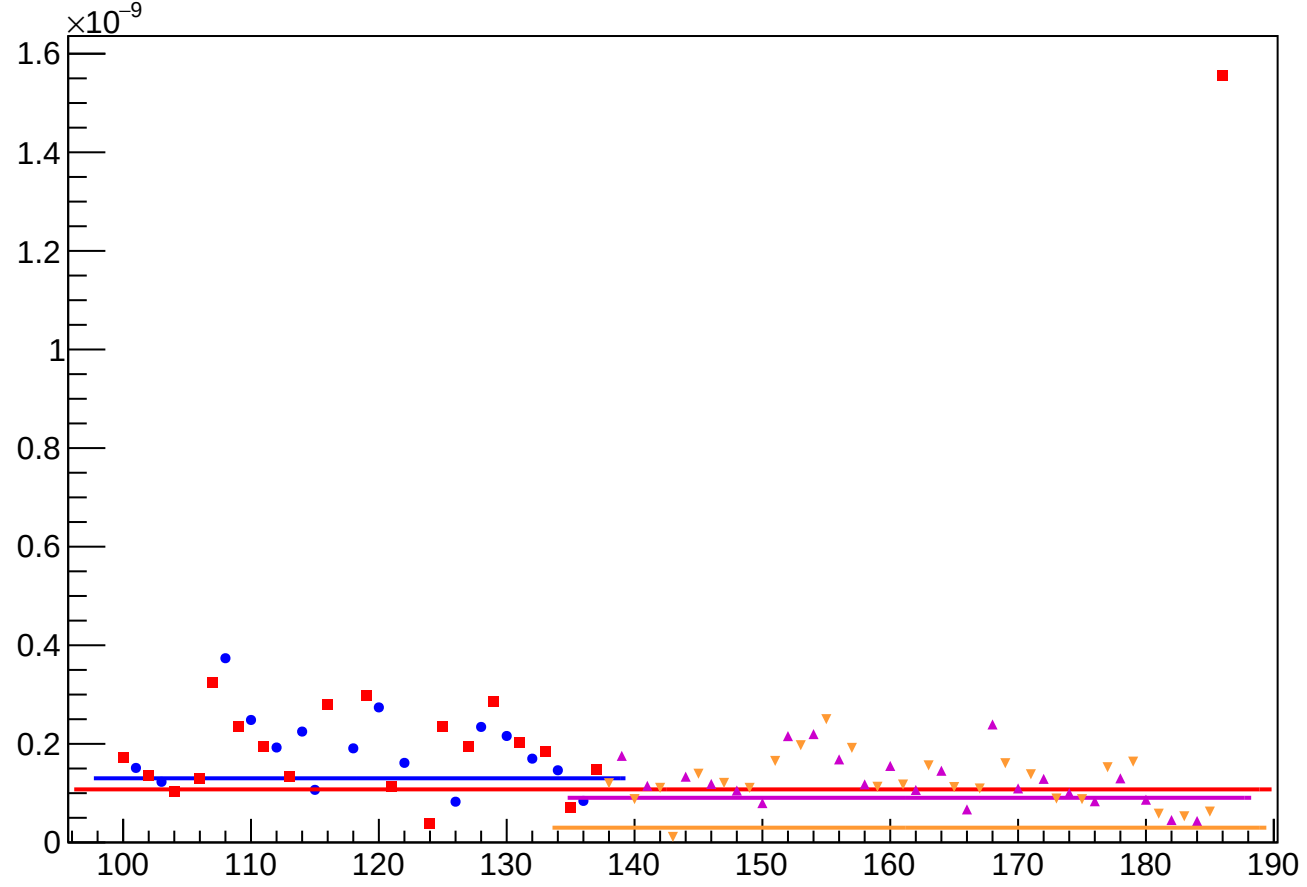
Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.3/40

All: 0.000+/-0.000 χ^2/NDF: 85.1/83

- sign 0.000+/-0.000 χ^2/NDF: 49.5/42

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3084683.7/19

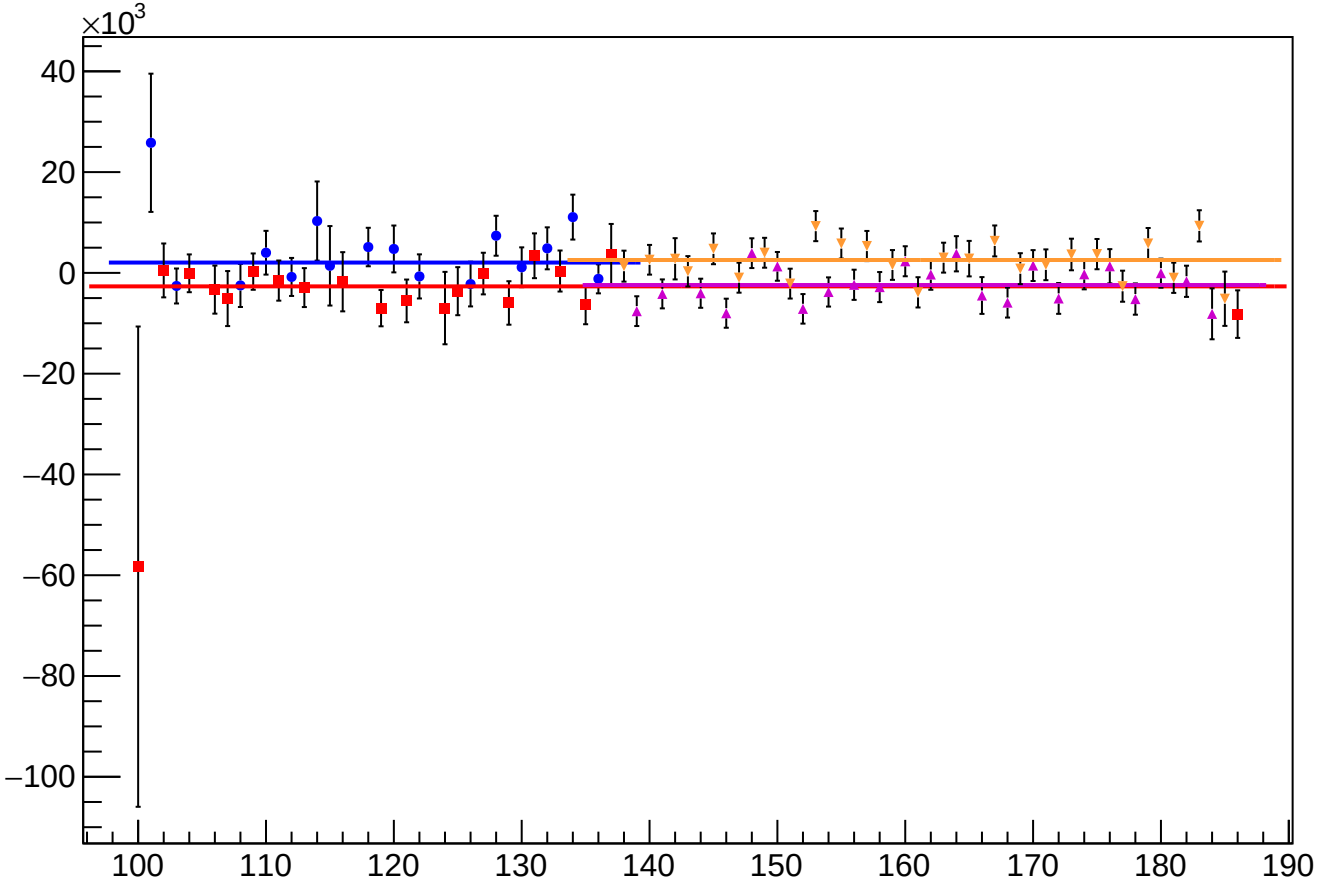
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 22833127.8/40

All: 0.000+/-0.000 χ^2/NDF: 39543654.7/83

- sign 0.000+/-0.000 χ^2/NDF: 7937627.9/42

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2677.031+/-1011.403 χ^2/NDF: 12.2/19

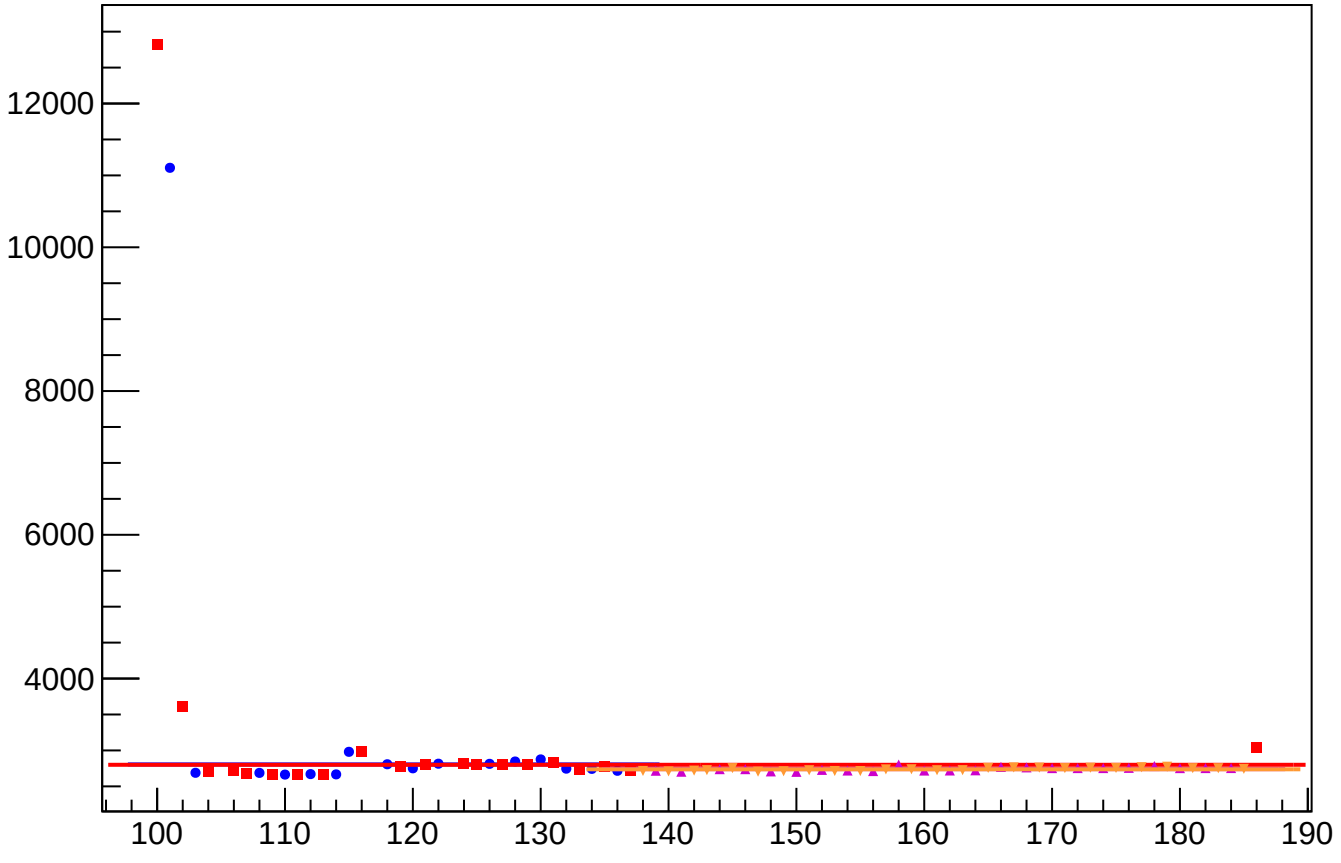
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2428.813+/-537.683 χ^2/NDF: 49.6/40

All: -14.613+/-381.245 χ^2/NDF: 134.7/83

- sign -2485.104+/-540.653 χ^2/NDF: 43.6/42

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2800.147+/-0.715 χ^2/NDF: 152206.7/19

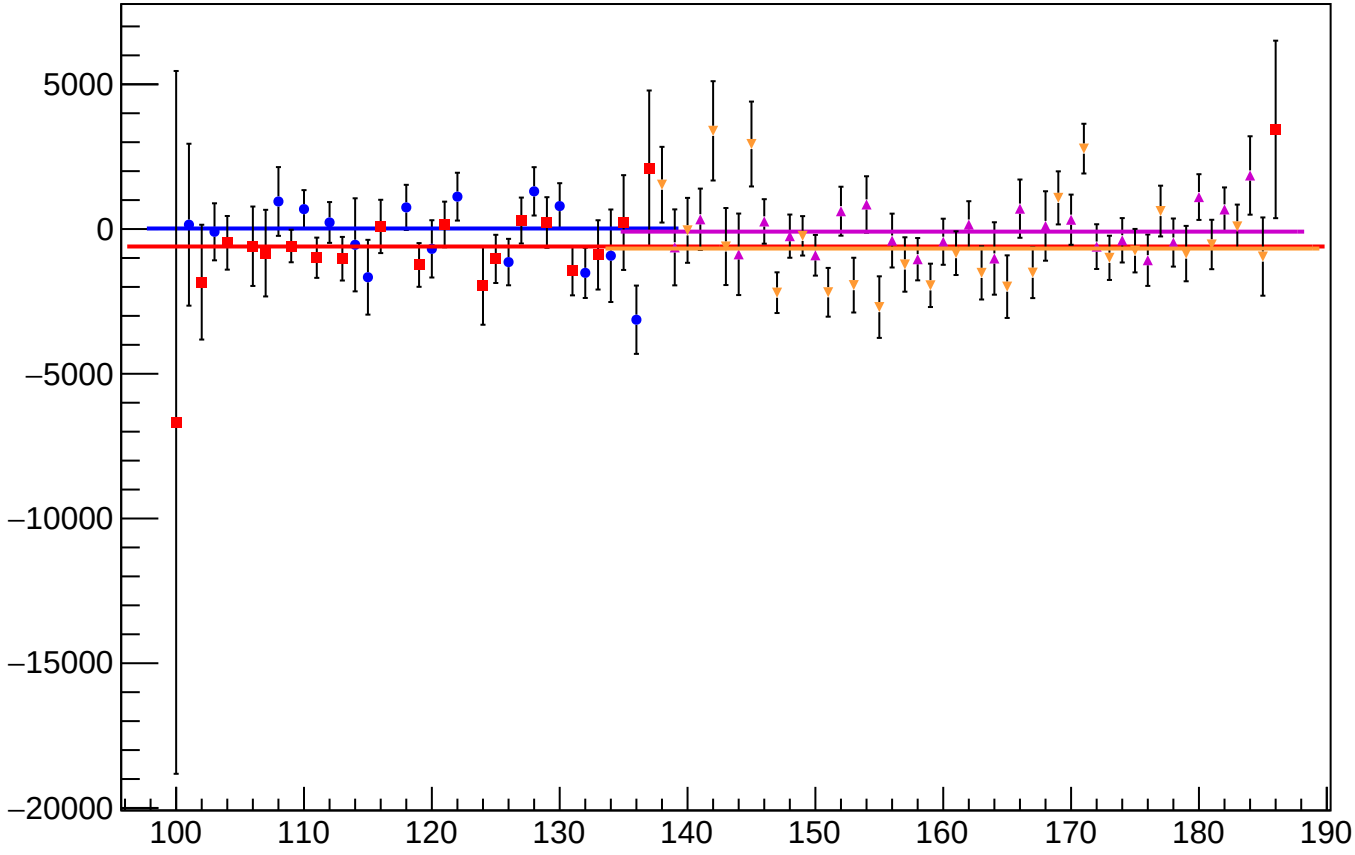
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.658+/-0.380 χ^2/NDF: 754580.1/40

All: 2755.867+/-0.270 χ^2/NDF: 915244.0/83

- sign 2757.089+/-0.382 χ^2/NDF: 160643.6/42

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -603.042+/-215.414 χ^2/NDF: 11.0/19

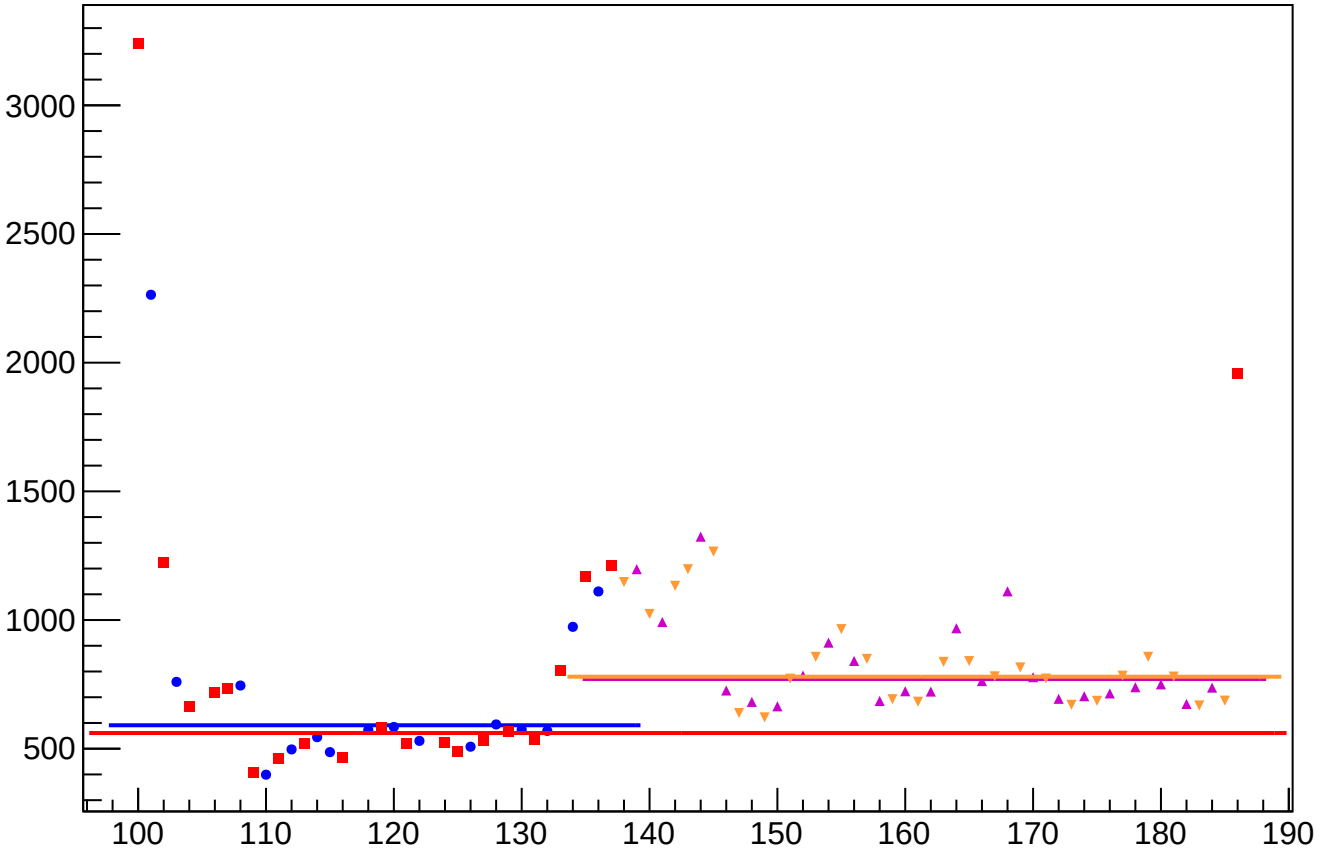
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -413.266+/-143.164 χ^2/NDF: 86.6/40

All: -358.030+/-99.979 χ^2/NDF: 116.0/83

- sign -305.446+/-139.685 χ^2/NDF: 29.1/42

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

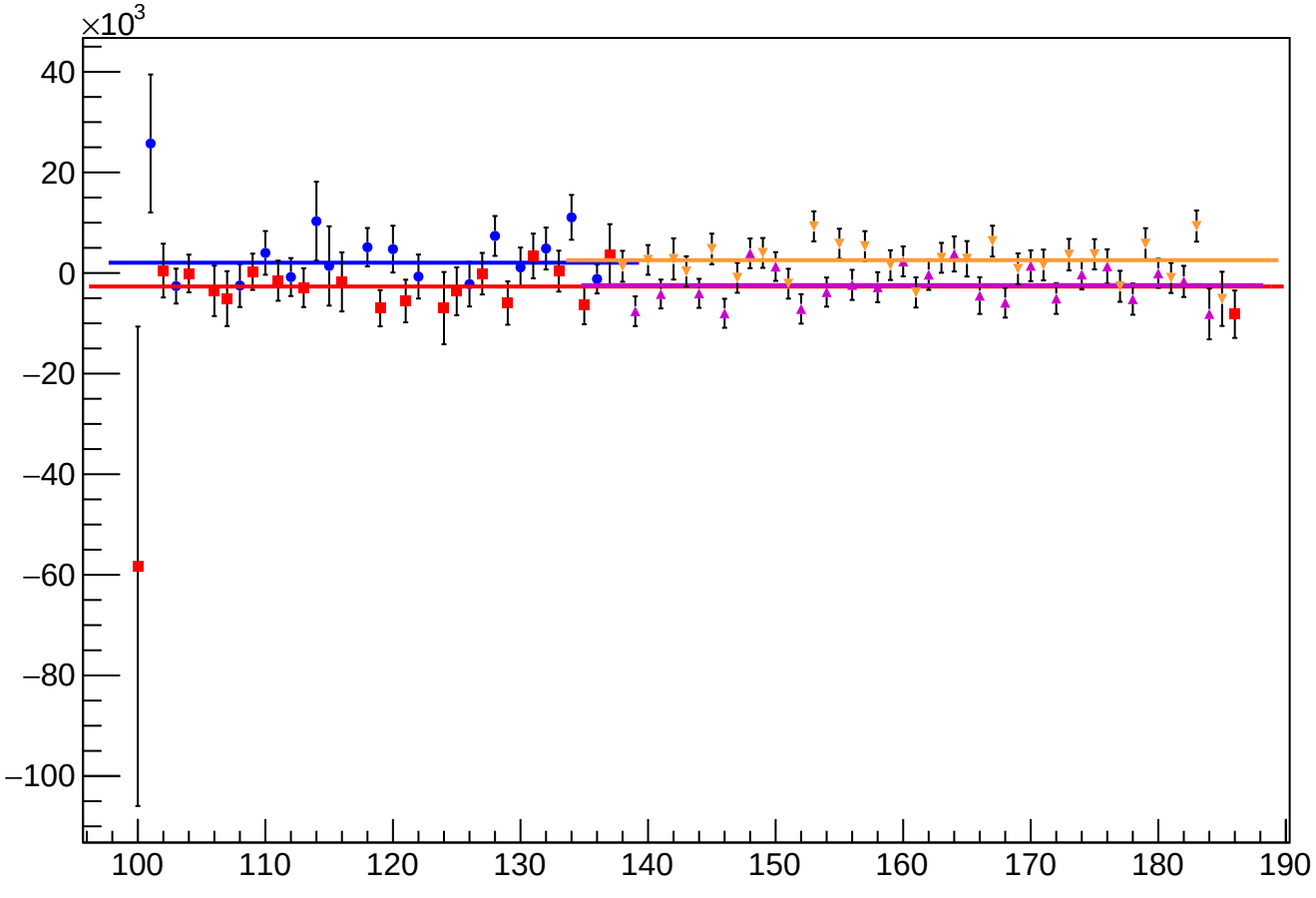
Right Out: 560.922+/-0.152 χ^2/NDF: 1535327.1/19

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 708.779+/-0.101 χ^2/NDF: 3626387.5/40

All: 695.340+/-0.071 χ^2/NDF: 7372642.9/83

- sign 682.547+/-0.099 χ^2/NDF: 3711856.1/42



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2683.959+/-1013.625 χ^2/NDF: 12.2/19

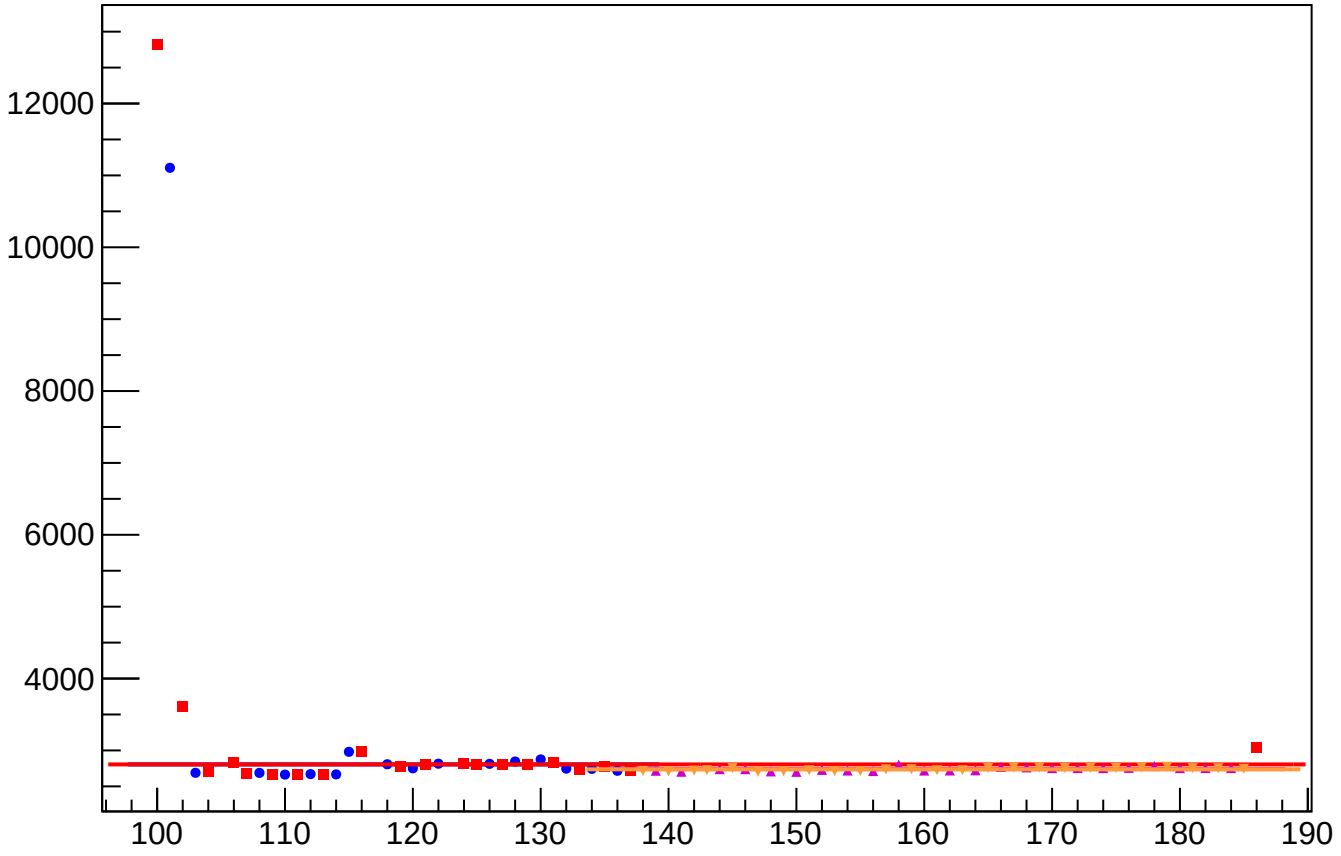
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2428.579+/-537.684 χ^2/NDF: 49.5/40

All: -14.104+/-381.364 χ^2/NDF: 134.7/83

- sign -2486.939+/-540.992 χ^2/NDF: 43.6/42

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2805.287+/-0.717 χ^2/NDF: 151728.5/19

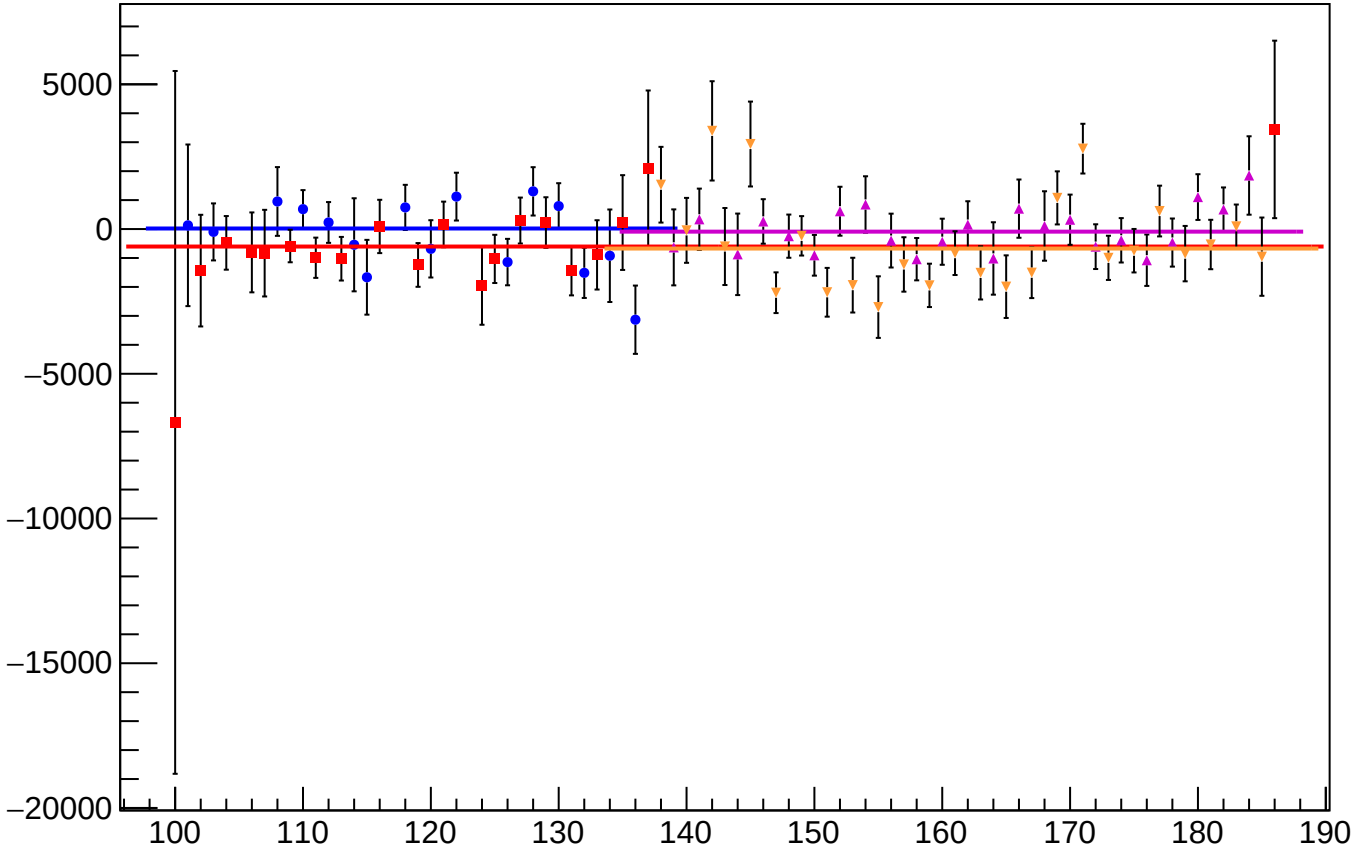
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.658+/-0.380 χ^2/NDF: 754579.2/40

All: 2756.567+/-0.270 χ^2/NDF: 915679.0/83

- sign 2758.500+/-0.383 χ^2/NDF: 161049.1/42

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -604.152+/-215.368 χ^2/NDF: 10.8/19

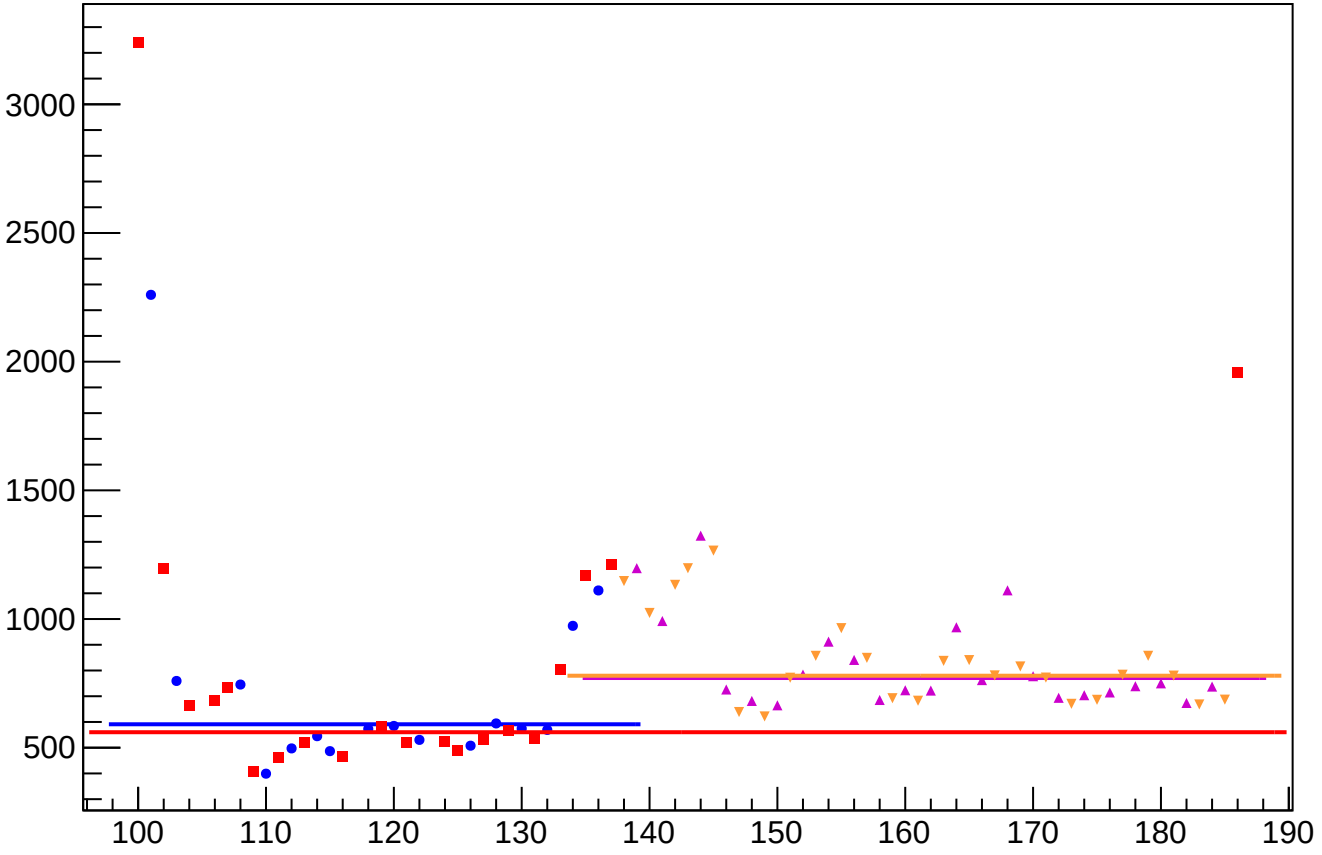
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -413.213+/-143.161 χ^2/NDF: 86.6/40

All: -358.305+/-99.974 χ^2/NDF: 115.8/83

- sign -306.040+/-139.672 χ^2/NDF: 28.9/42

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

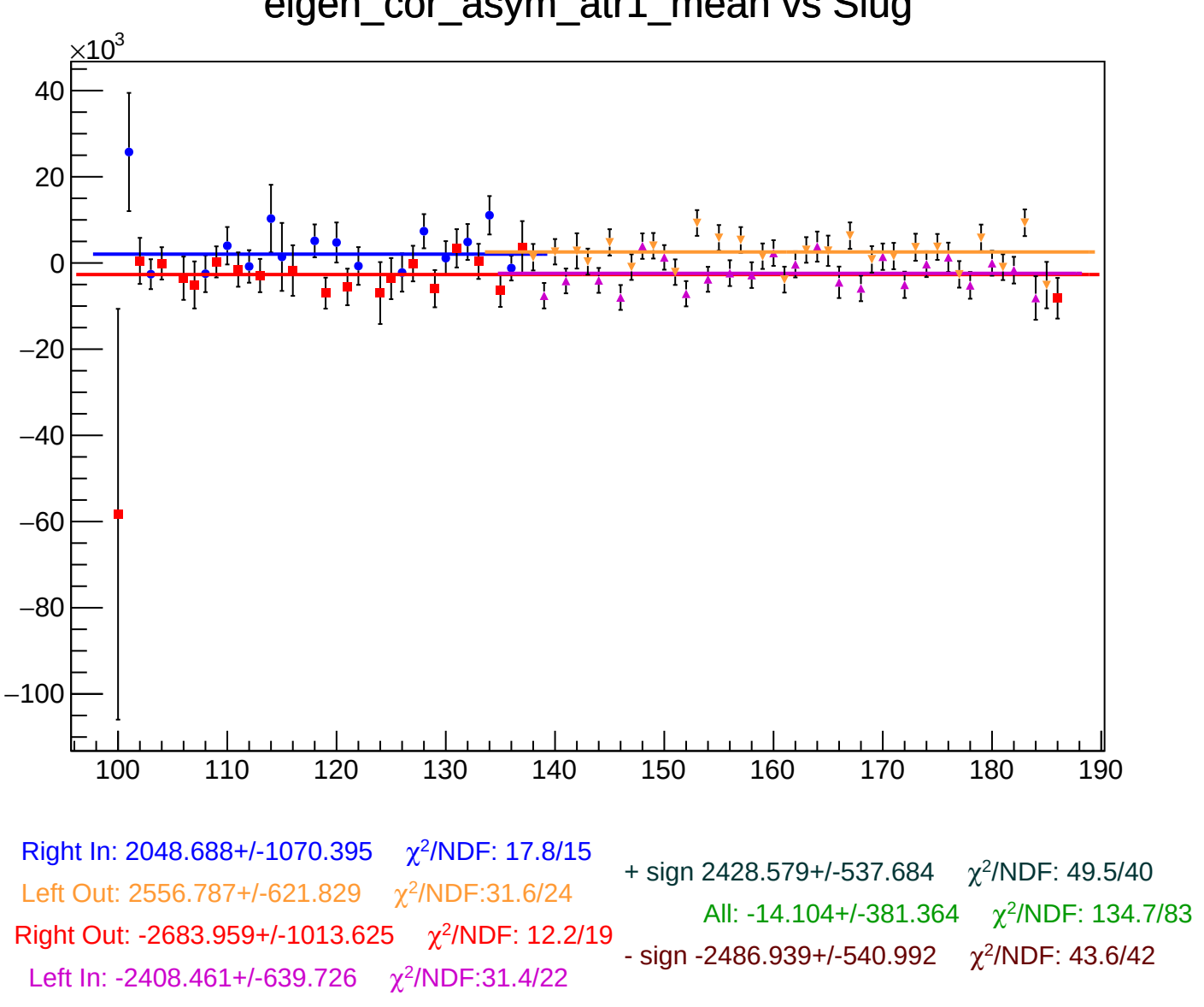
Right Out: 560.174+/-0.152 χ^2/NDF: 1520501.4/19

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

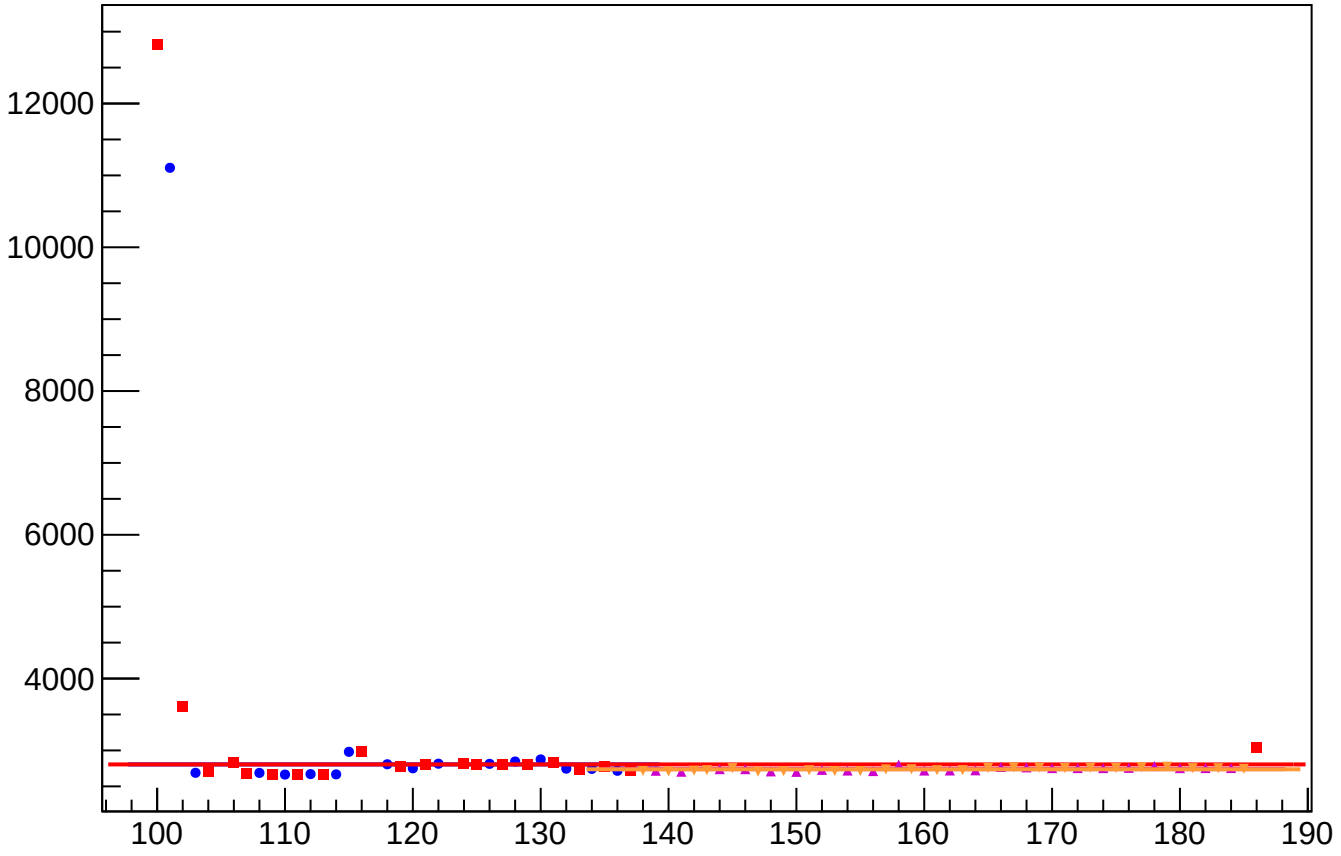
+ sign 708.773+/-0.101 χ^2/NDF: 3625434.3/40

All: 695.165+/-0.071 χ^2/NDF: 7365840.1/83

- sign 682.212+/-0.099 χ^2/NDF: 3705135.7/42


eigen_cor_asym_atr1_mean vs Slug
×10^3
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
190
Right In: 2048.688+/-1070.395 χ²/NDF: 17.8/15
Left Out: 2556.787+/-621.829 χ²/NDF:31.6/24
Right Out: -2683.959+/-1013.625 χ²/NDF: 12.2/19
Left In: -2408.461+/-639.726 χ²/NDF:31.4/22
+ sign 2428.579+/-537.684 χ²/NDF: 49.5/40
All: -14.104+/-381.364 χ²/NDF: 134.7/83
- sign -2486.939+/-540.992 χ²/NDF: 43.6/42

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2805.287+/-0.717 χ^2/NDF: 151728.5/19

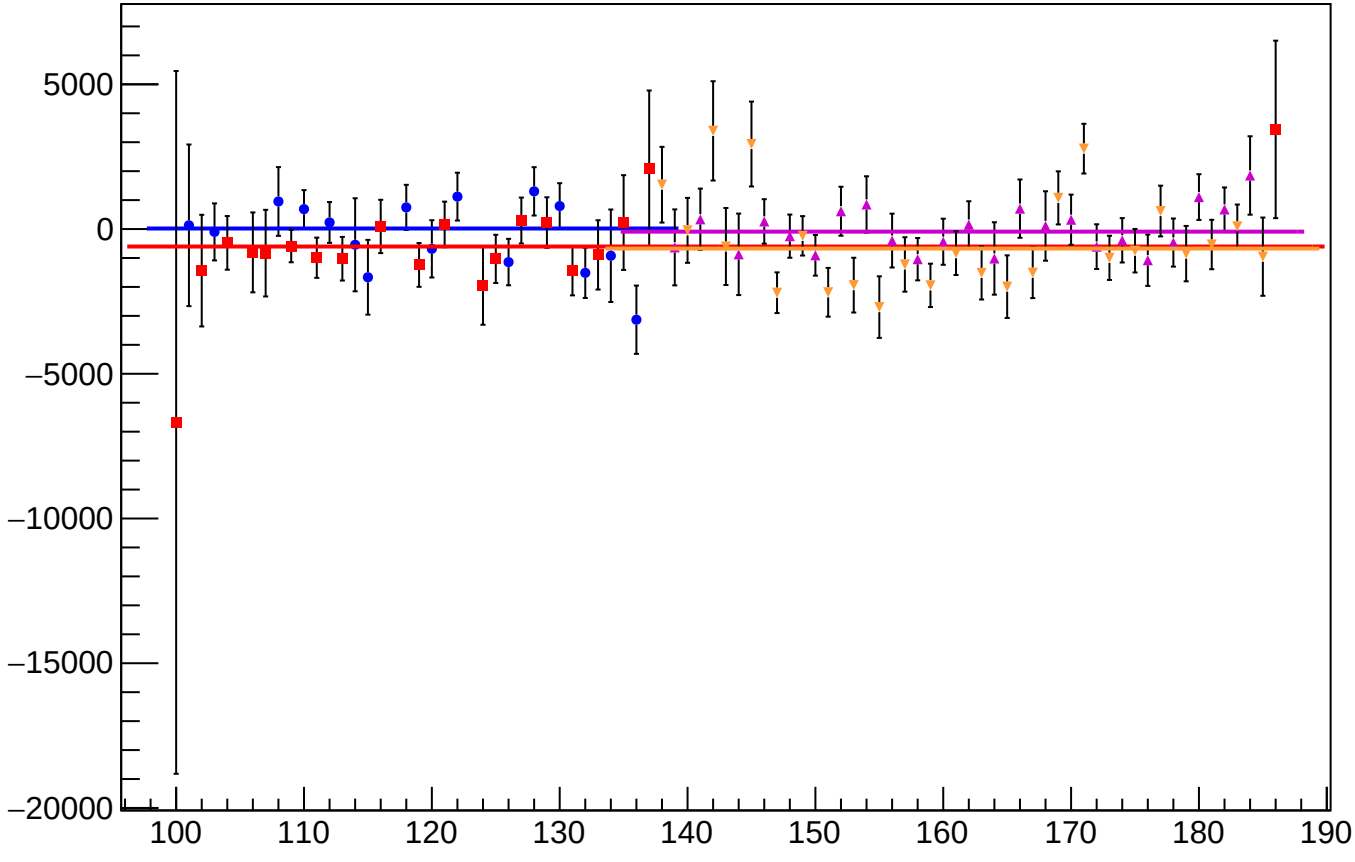
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.658+/-0.380 χ^2/NDF: 754579.2/40

All: 2756.567+/-0.270 χ^2/NDF: 915679.0/83

- sign 2758.500+/-0.383 χ^2/NDF: 161049.1/42

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -604.152+/-215.368 χ^2/NDF: 10.8/19

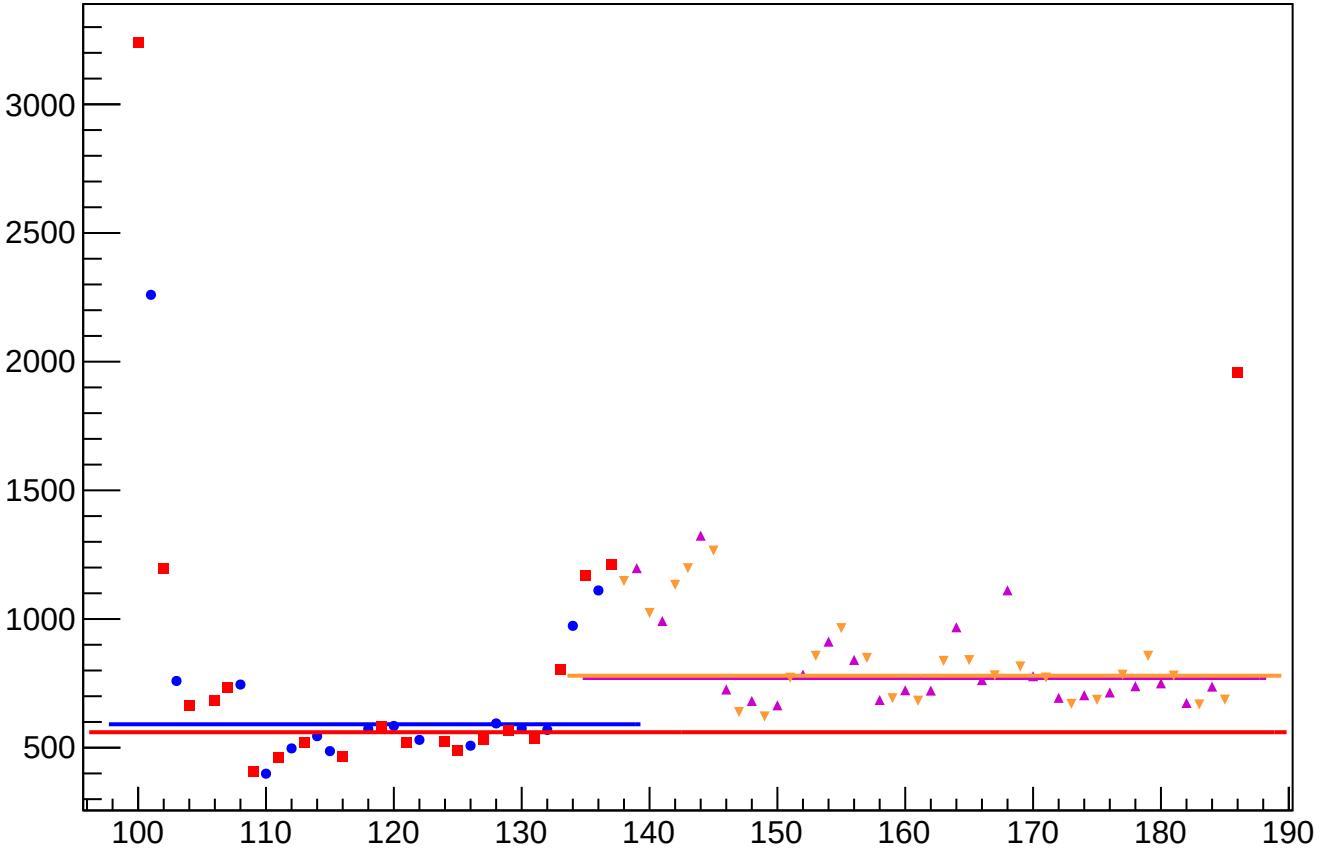
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -413.213+/-143.161 χ^2/NDF: 86.6/40

All: -358.305+/-99.974 χ^2/NDF: 115.8/83

- sign -306.040+/-139.672 χ^2/NDF: 28.9/42

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

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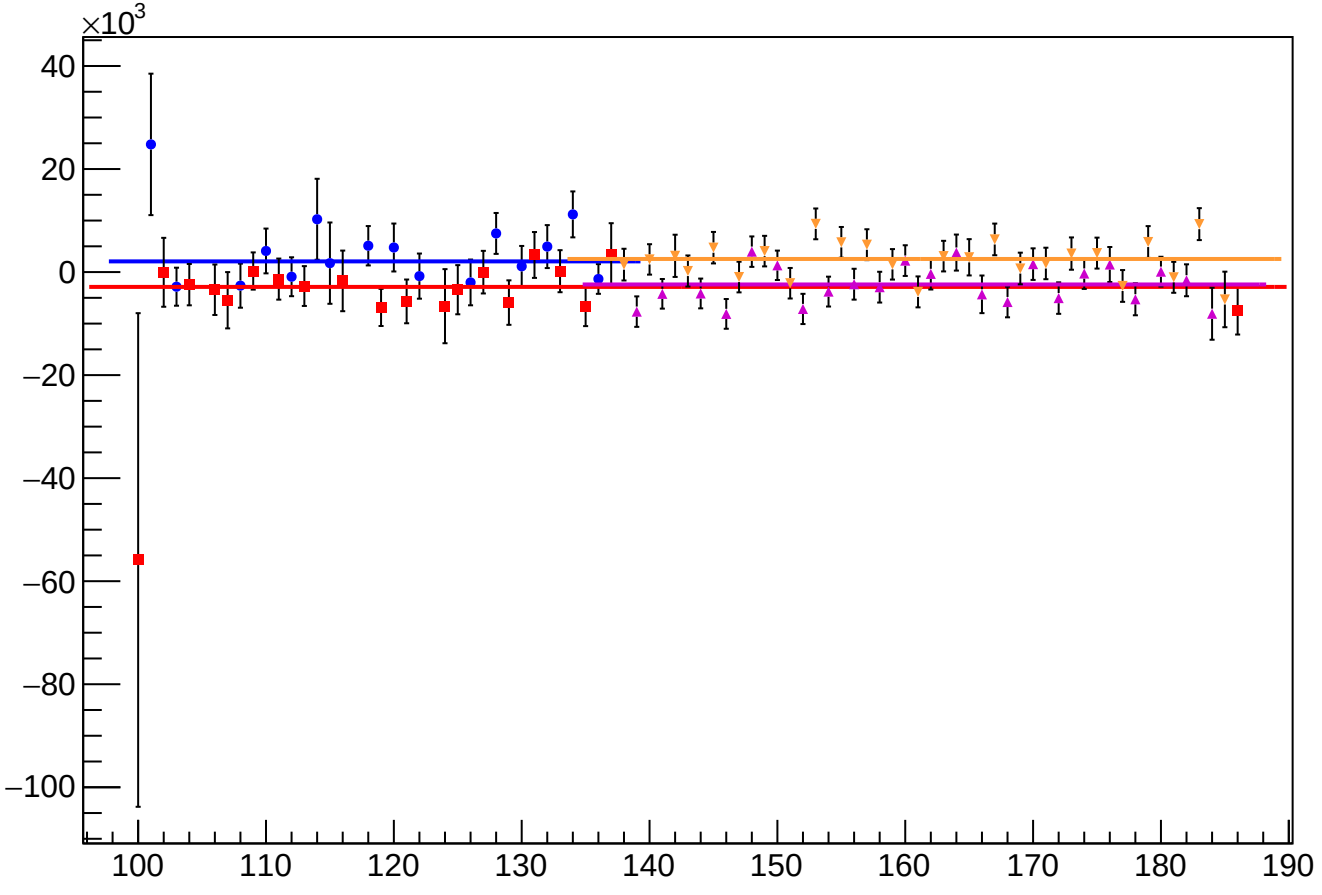
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 708.773+/-0.101 χ^2/NDF: 3625434.3/40

All: 695.165+/-0.071 χ^2/NDF: 7365840.1/83

- sign 682.212+/-0.099 χ^2/NDF: 3705135.7/42

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2879.296+/-1024.957 χ^2/NDF: 10.9/19

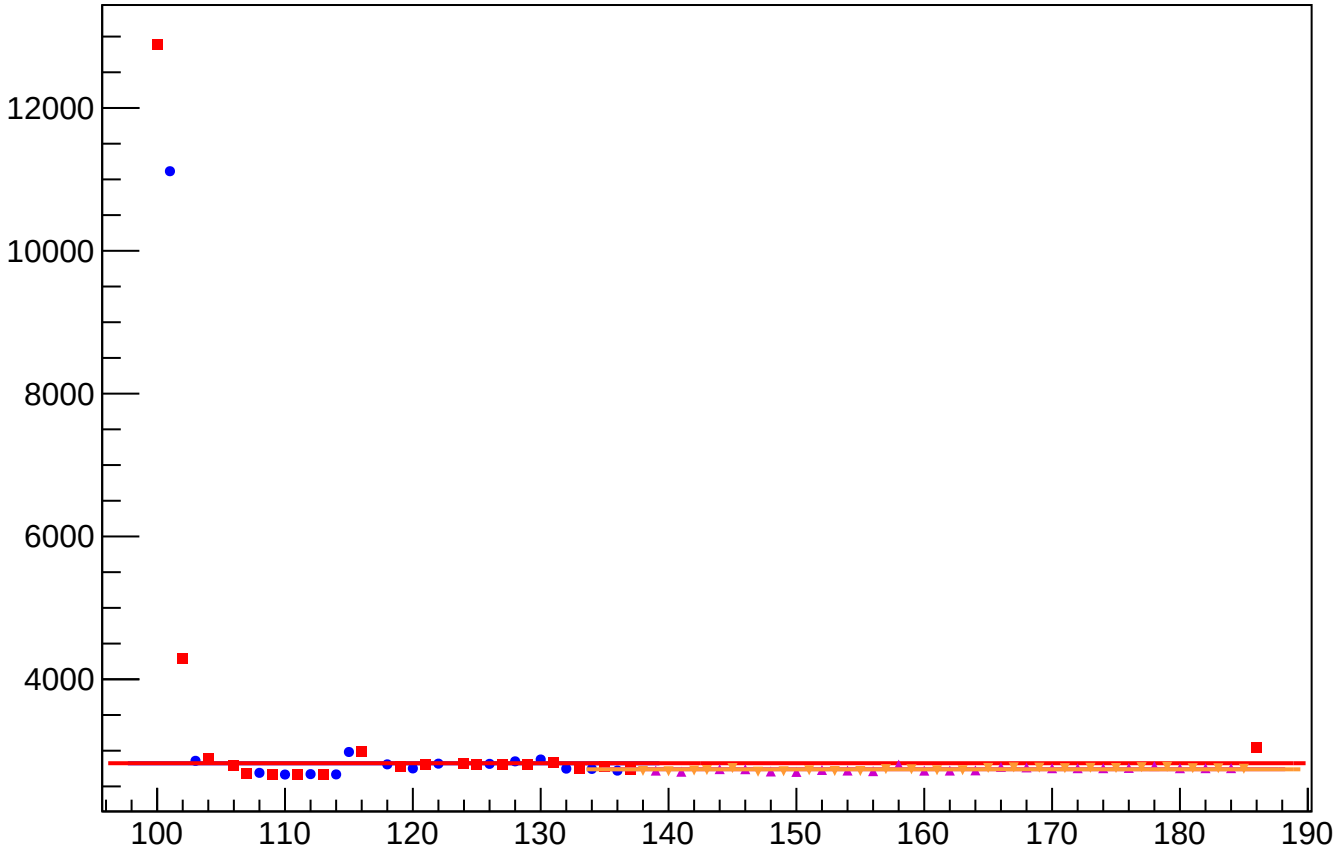
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2427.382+/-538.802 χ^2/NDF: 49.9/40

All: -37.139+/-382.436 χ^2/NDF: 134.9/83

- sign -2539.412+/-542.913 χ^2/NDF: 42.9/42

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2824.653+/-0.725 χ^2/NDF: 205051.6/19

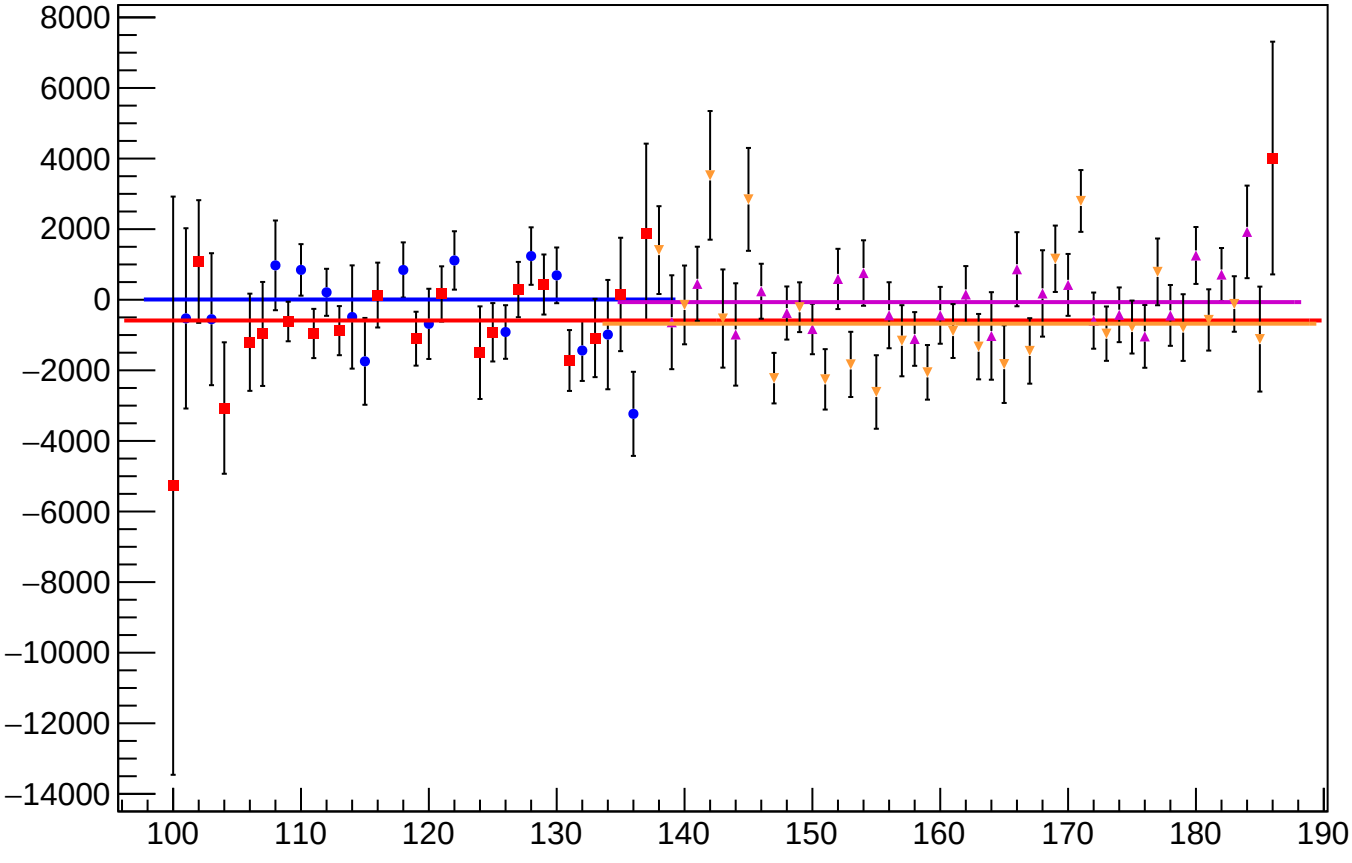
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.356+/-0.381 χ^2/NDF: 755389.0/40

All: 2762.538+/-0.270 χ^2/NDF: 973371.3/83

- sign 2764.752+/-0.384 χ^2/NDF: 217916.2/42

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -587.693+/-216.624 χ^2/NDF: 14.1/19

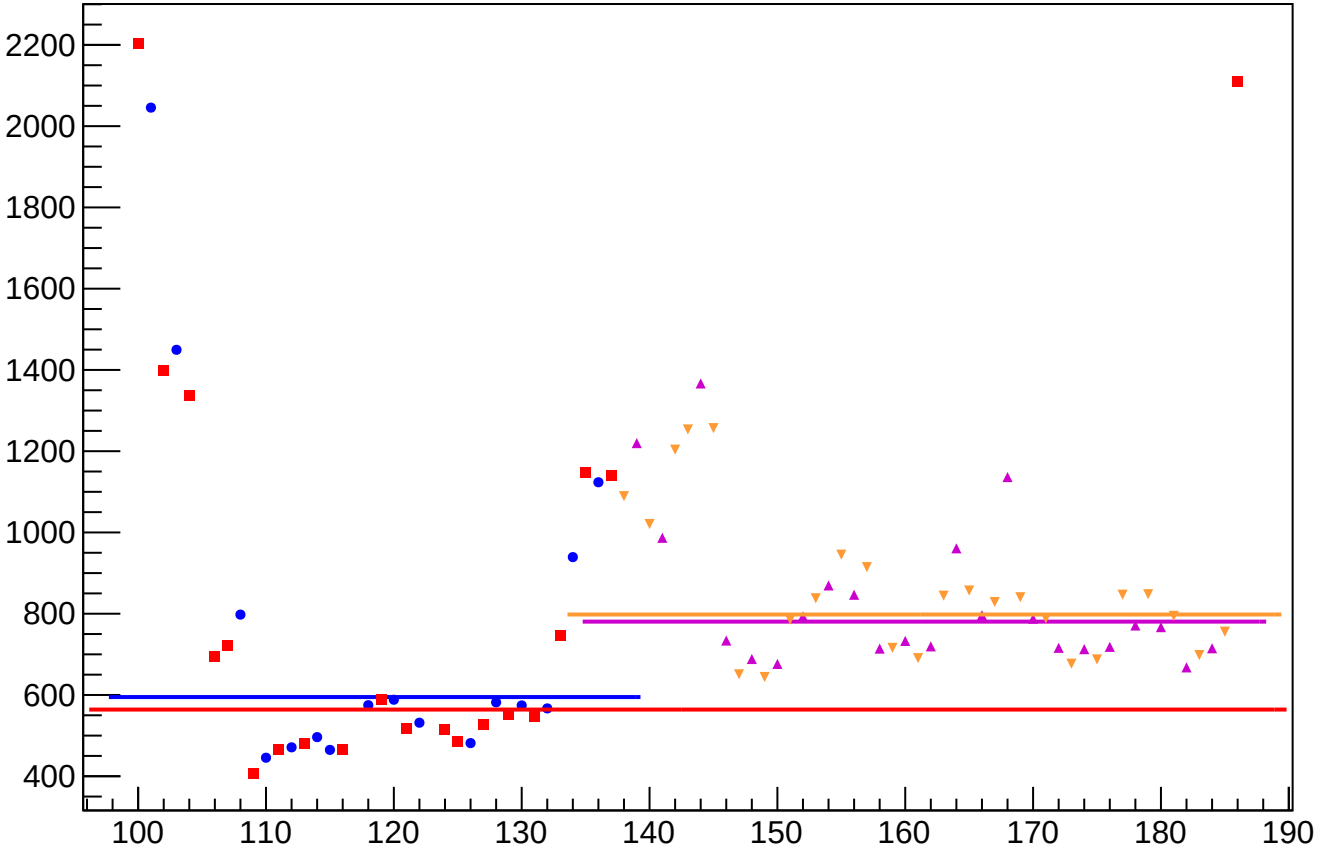
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

\+ sign -419.378+/-145.939 χ^2/NDF: 84.2/40

All: -350.999+/-101.355 χ^2/NDF: 117.9/83

\- sign -287.287+/-140.871 χ^2/NDF: 33.3/42

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 564.096+/-0.153 χ^2/NDF: 2072456.4/19

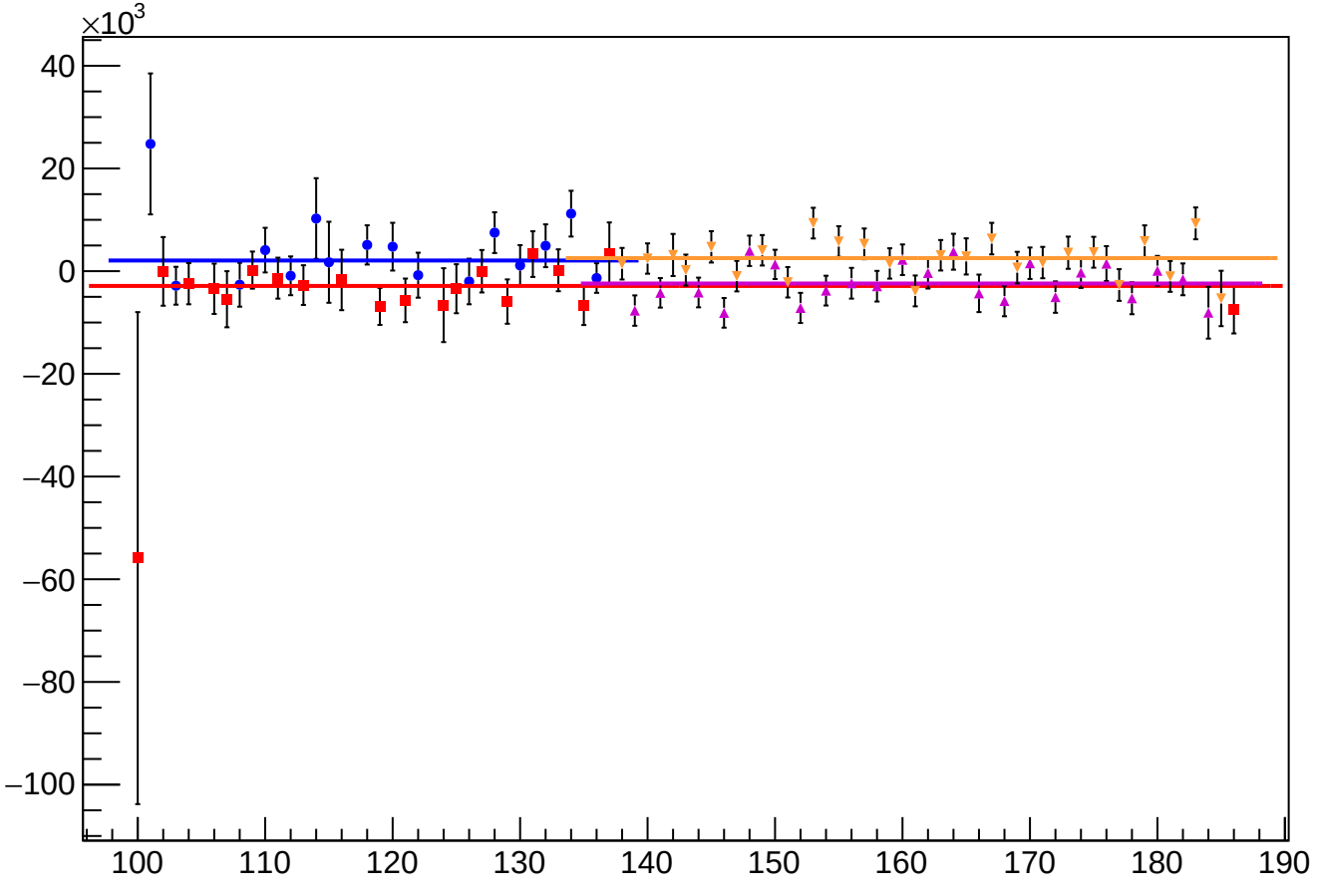
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 721.324+/-0.103 χ^2/NDF: 3932678.6/40

All: 704.591+/-0.072 χ^2/NDF: 8272897.5/83

- sign 688.999+/-0.100 χ^2/NDF: 4289424.9/42

eigen_dit_asym_atr1_mean vs Slug



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Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2879.293+/-1024.957 χ^2/NDF: 10.9/19

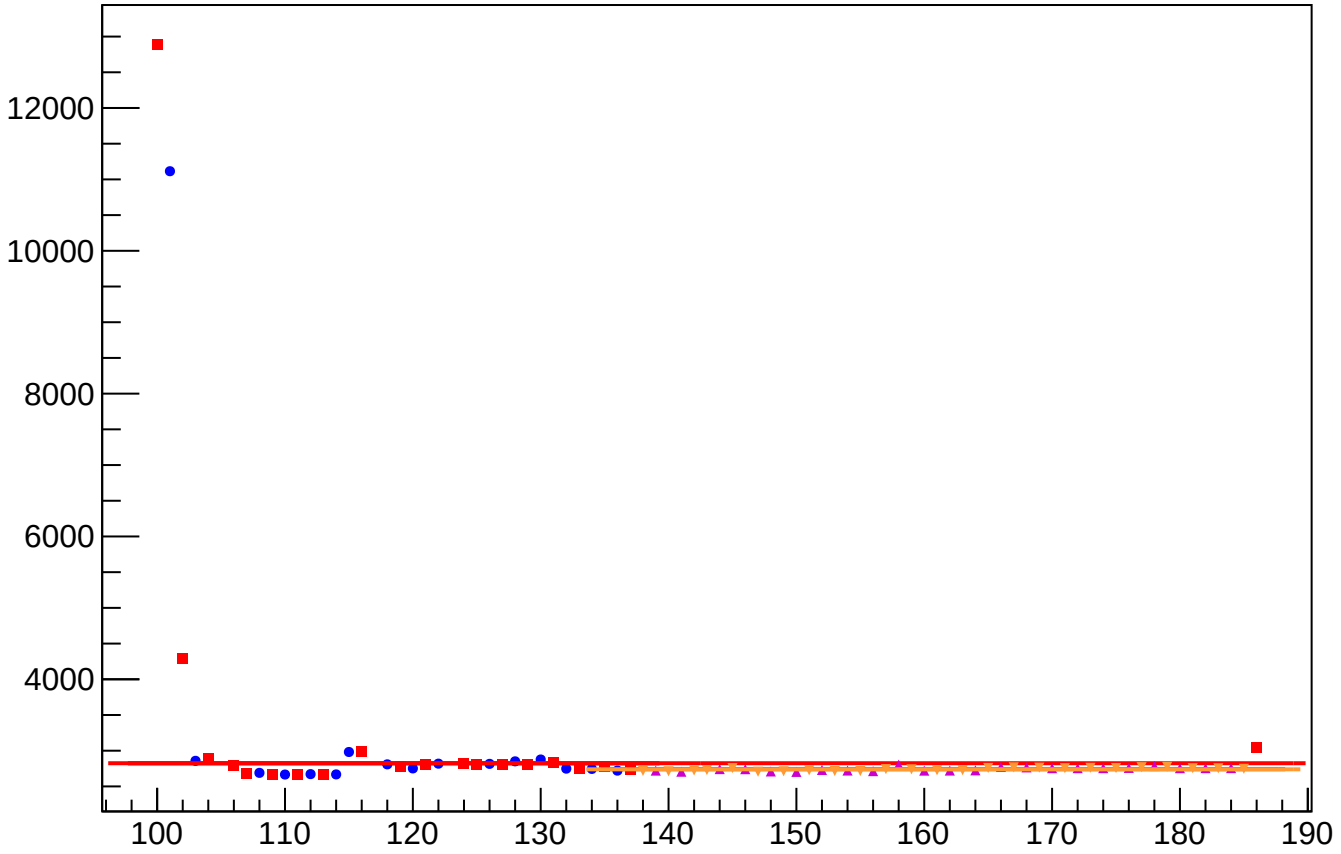
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2427.383+/-538.802 χ^2/NDF: 49.9/40

All: -37.139+/-382.436 χ^2/NDF: 134.9/83

- sign -2539.411+/-542.913 χ^2/NDF: 42.9/42

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2824.653+/-0.725 χ^2/NDF: 205051.4/19

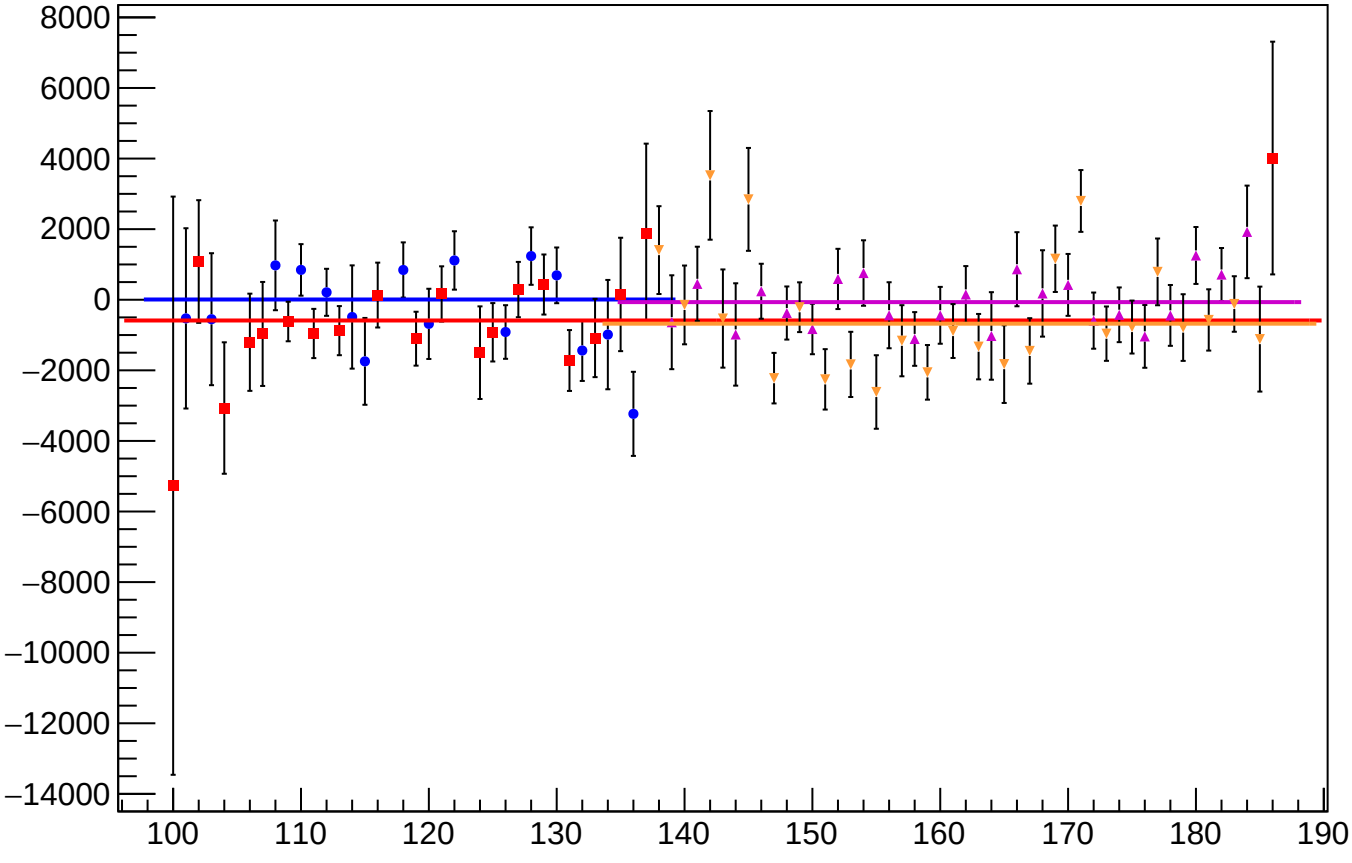
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.356+/-0.381 χ^2/NDF: 755388.9/40

All: 2762.537+/-0.270 χ^2/NDF: 973371.0/83

- sign 2764.752+/-0.384 χ^2/NDF: 217916.0/42

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -587.693+/-216.624 χ^2/NDF: 14.1/19

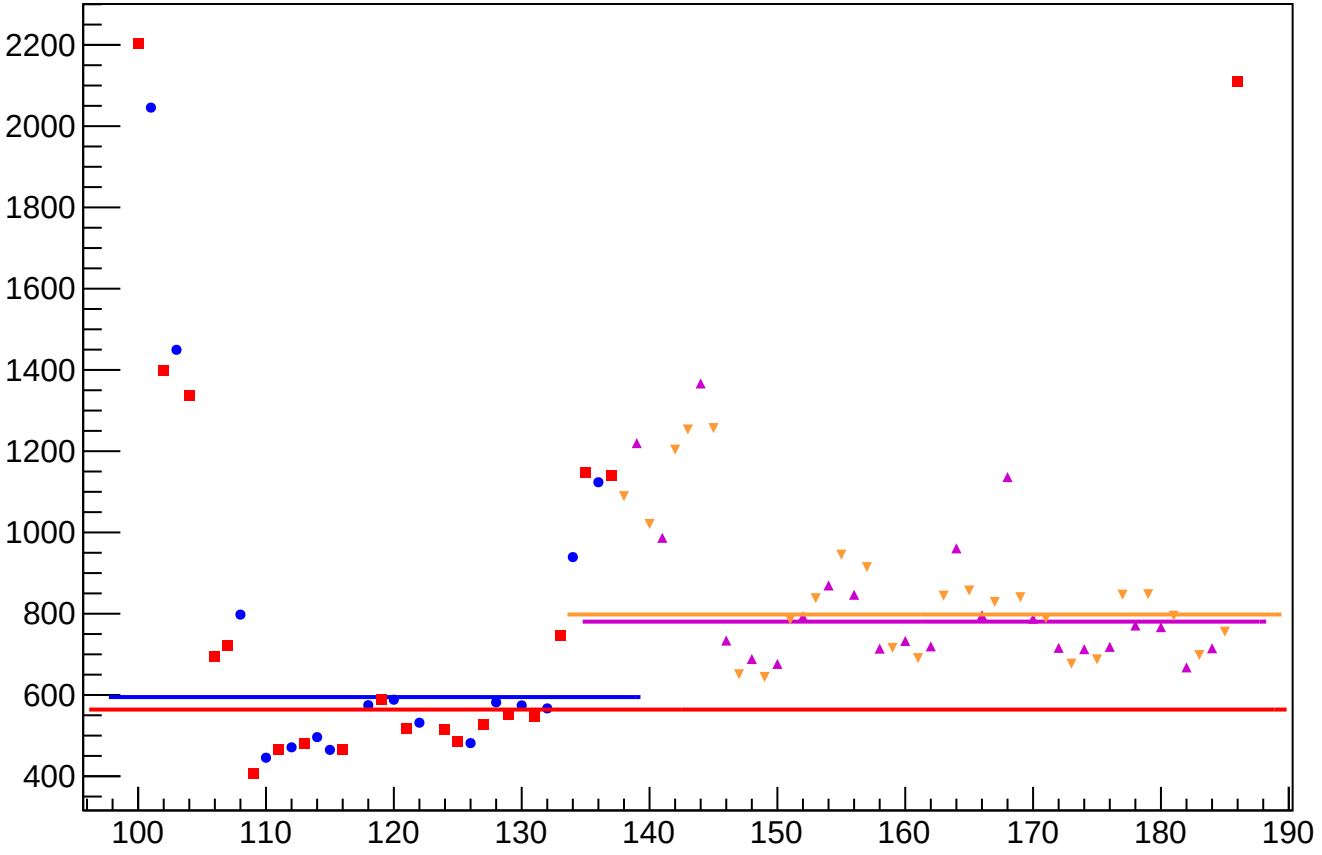
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

\+ sign -419.379+/-145.939 χ^2/NDF: 84.2/40

All: -351.000+/-101.355 χ^2/NDF: 117.9/83

\- sign -287.287+/-140.871 χ^2/NDF: 33.3/42

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

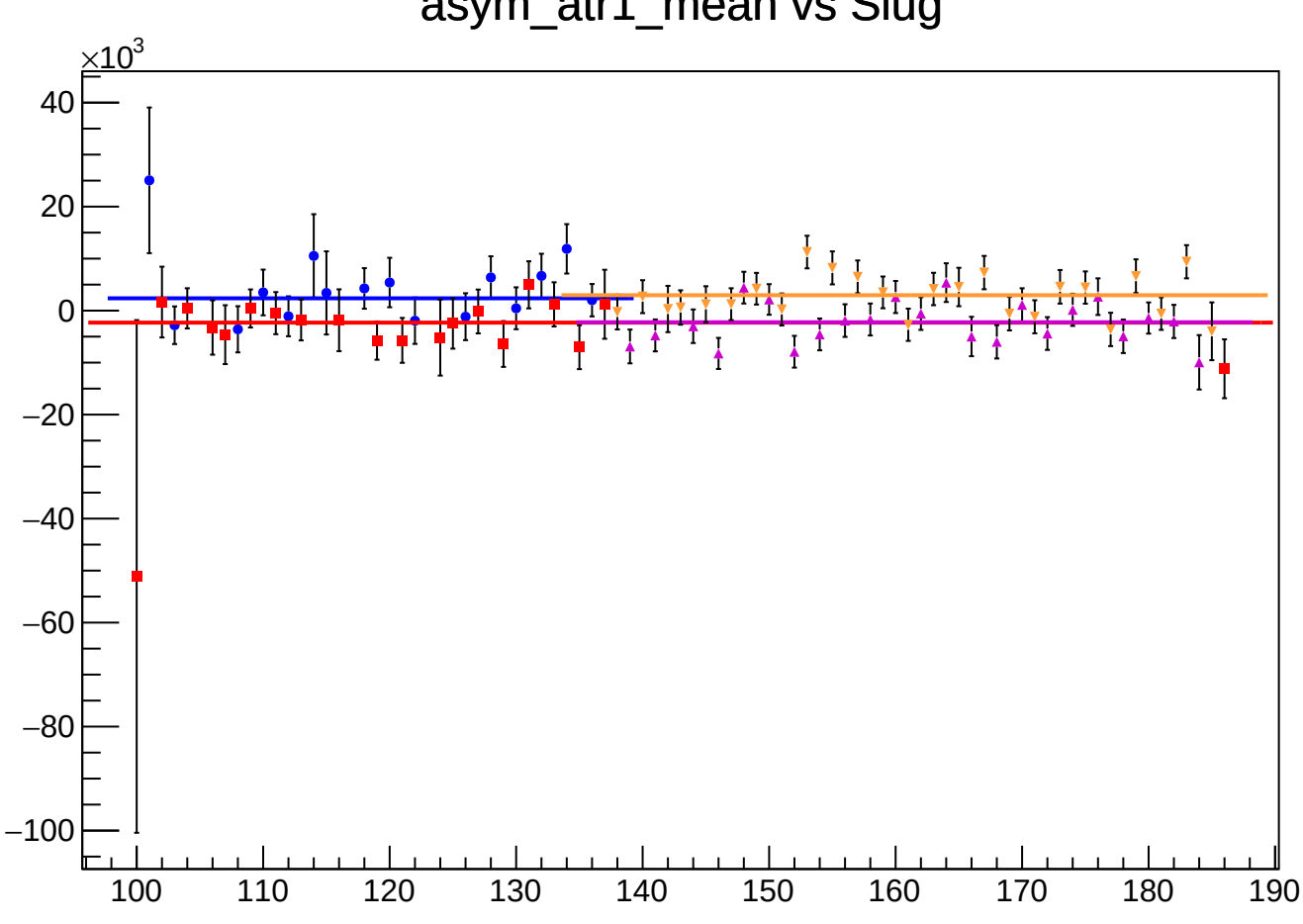
Right Out: 564.096+/-0.153 χ^2/NDF: 2072454.4/19

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 721.324+/-0.103 χ^2/NDF: 3932671.3/40

All: 704.591+/-0.072 χ^2/NDF: 8272888.9/83

- sign 688.999+/-0.100 χ^2/NDF: 4289422.8/42



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -2307.305+/-1056.425 χ^2/NDF: 12.8/19

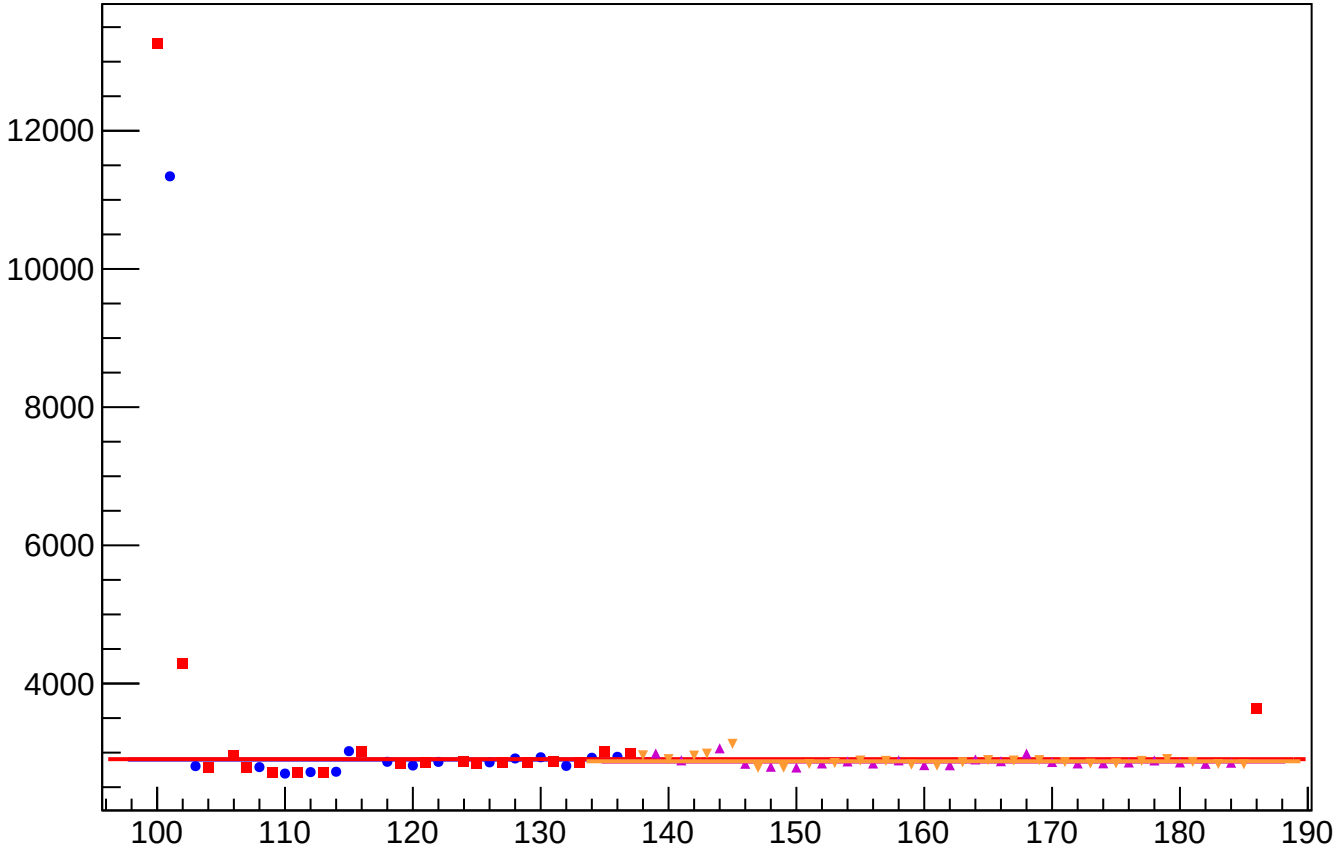
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2813.627+/-562.516 χ^2/NDF: 52.8/40

All: 293.705+/-398.985 χ^2/NDF: 139.8/83

- sign -2257.534+/-566.000 χ^2/NDF: 46.6/42

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 2905.442+/-0.747 χ^2/NDF: 228130.4/19

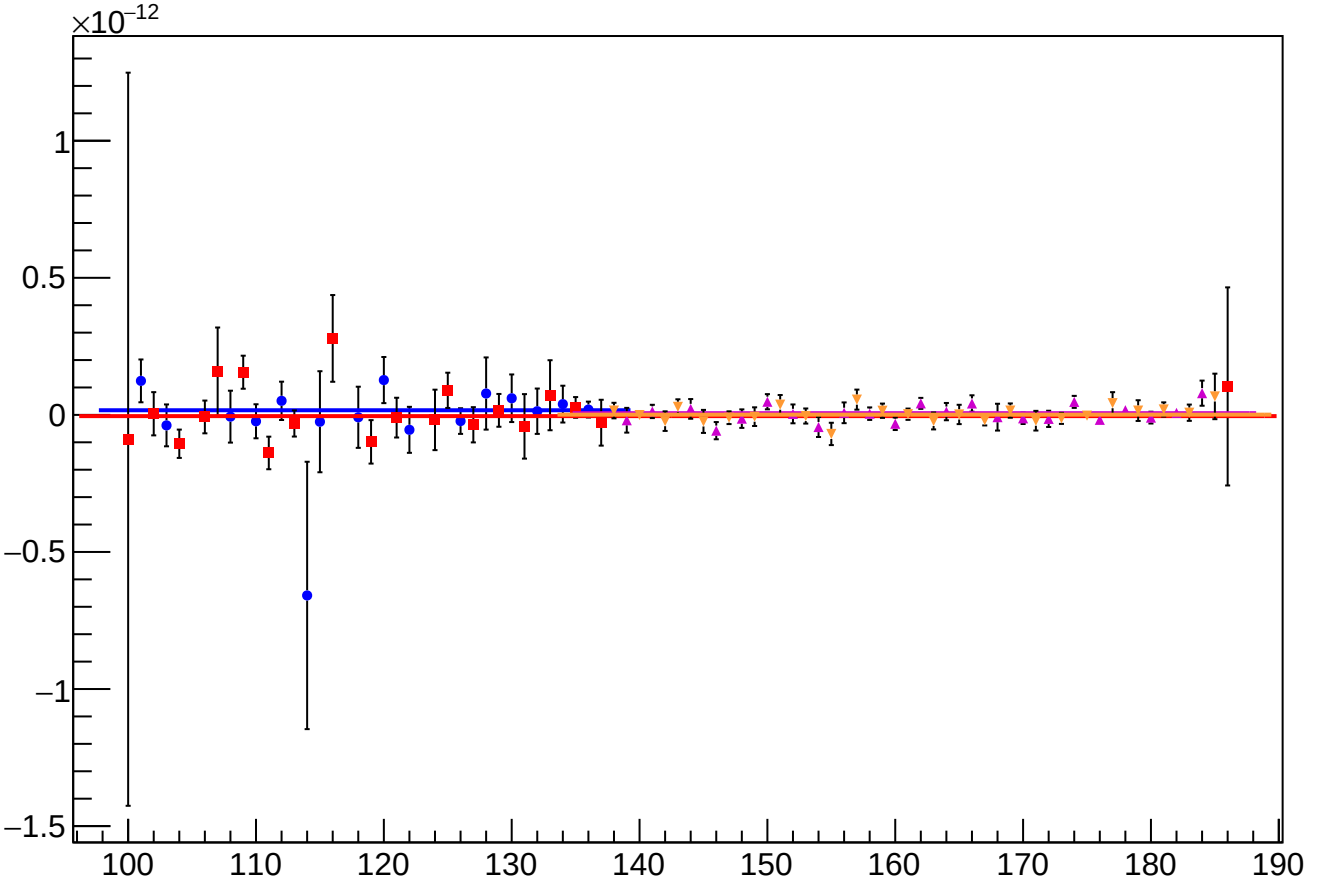
Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2881.370+/-0.398 χ^2/NDF: 764357.9/40

All: 2880.830+/-0.282 χ^2/NDF: 1011770.7/83

- sign 2880.283+/-0.400 χ^2/NDF: 247409.0/42

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/19

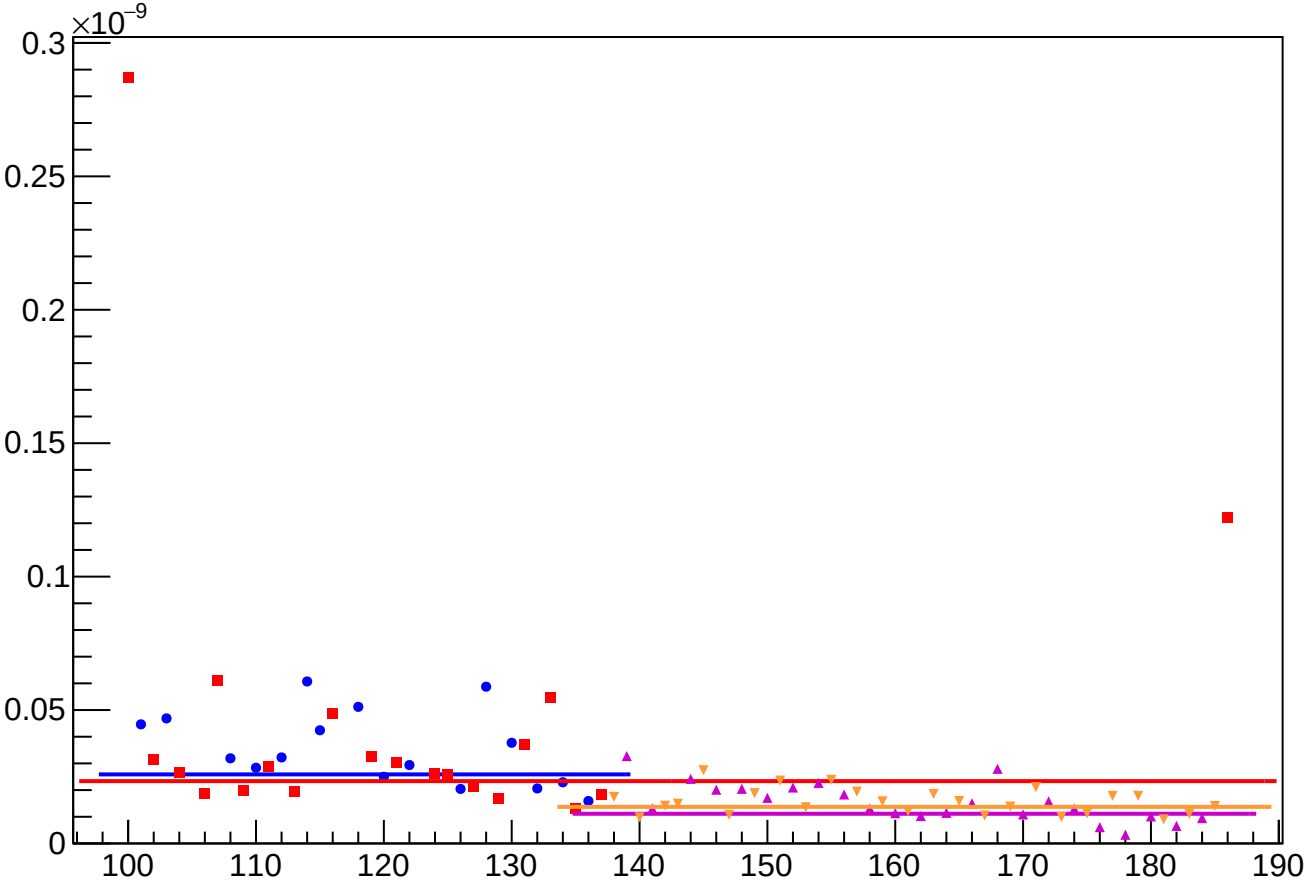
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 24.1/40

All: 0.000+/-0.000 χ^2/NDF: 78.5/83

- 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: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 838497.6/19

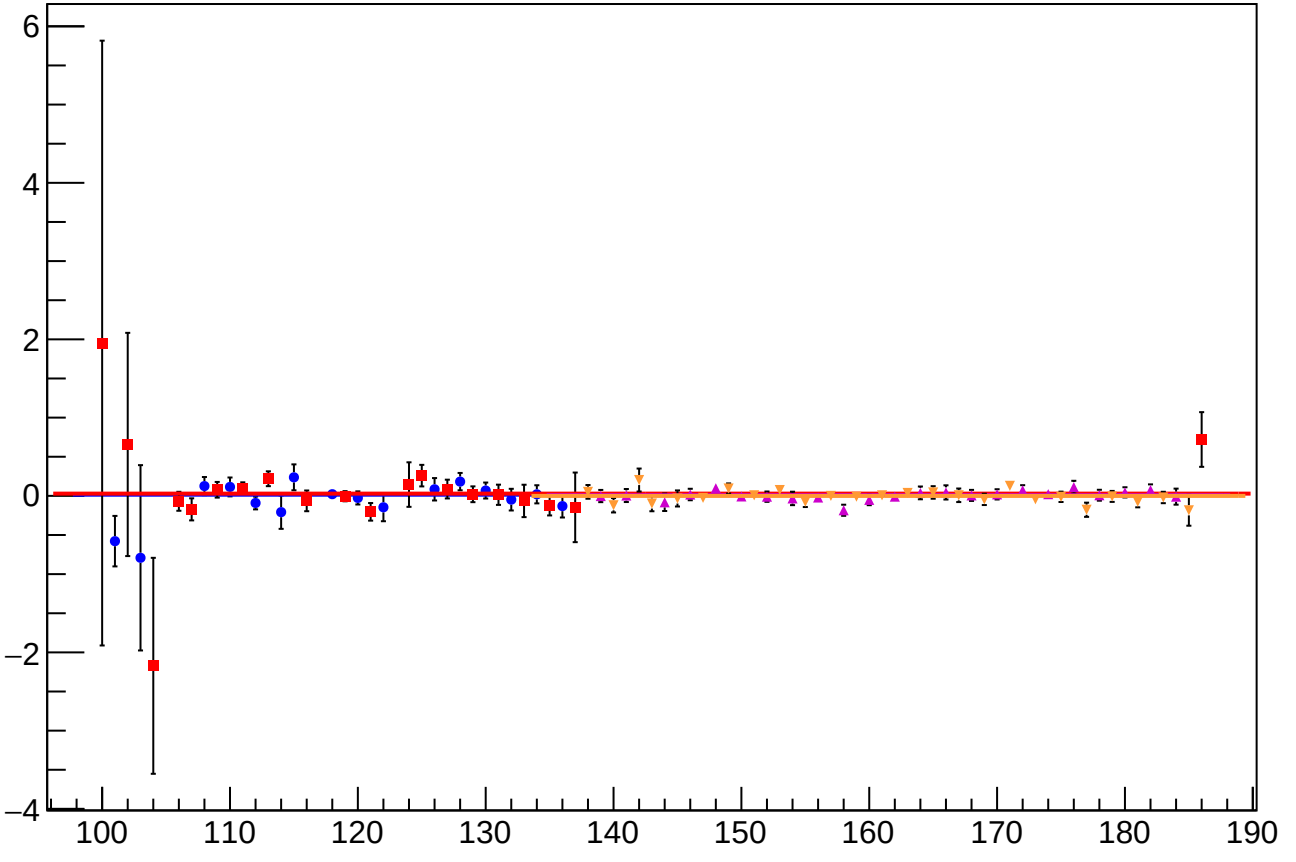
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 3018097.7/40

All: 0.000+/-0.000 χ^2/NDF: 8401948.9/83

- sign 0.000+/-0.000 χ^2/NDF: 5110985.0/42

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.029+/-0.028 χ^2/NDF: 24.7/19

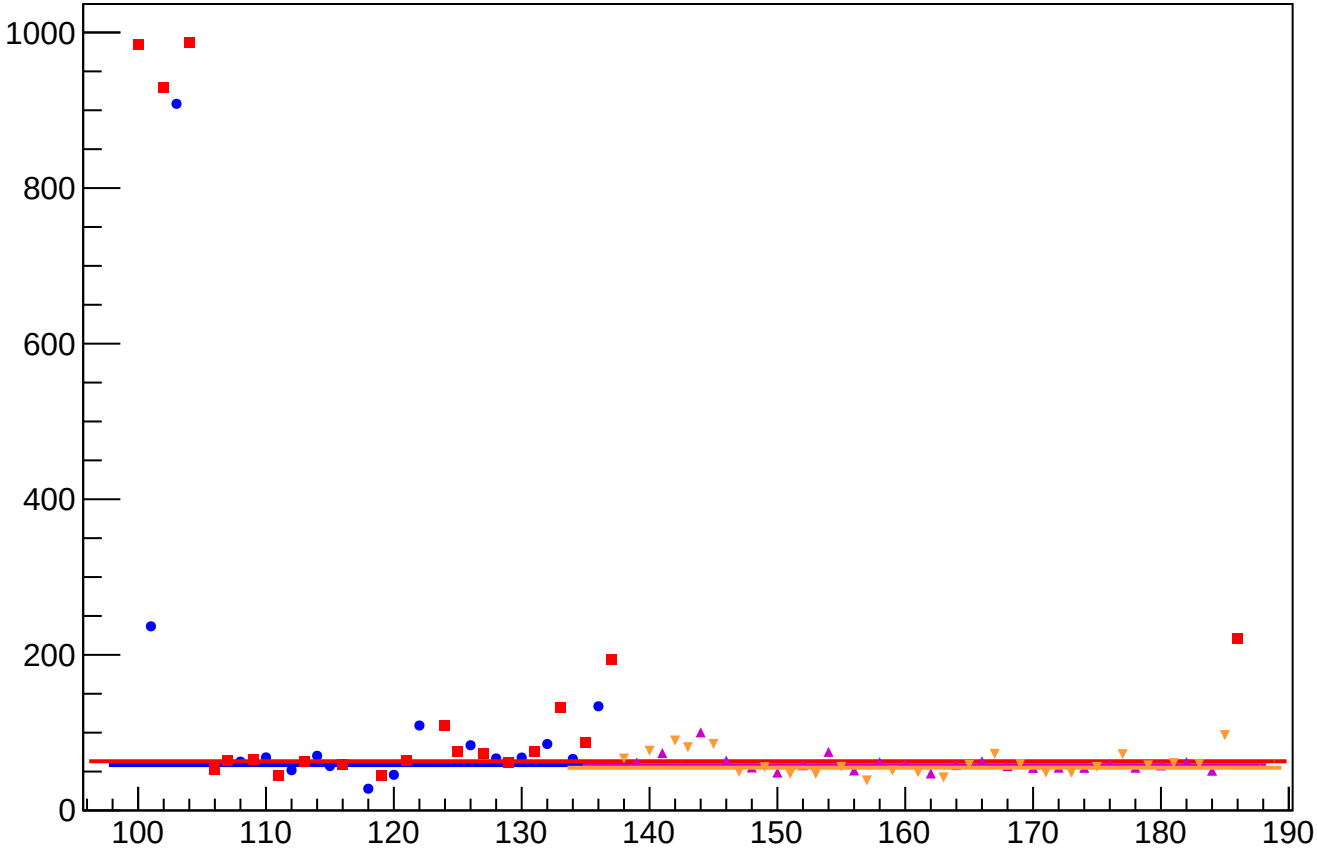
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.003+/-0.013 χ^2/NDF: 37.9/40

All: 0.008+/-0.009 χ^2/NDF: 78.8/83

- sign 0.013+/-0.013 χ^2/NDF: 40.7/42

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 63.251+/-0.020 χ^2/NDF: 3037720.4/19

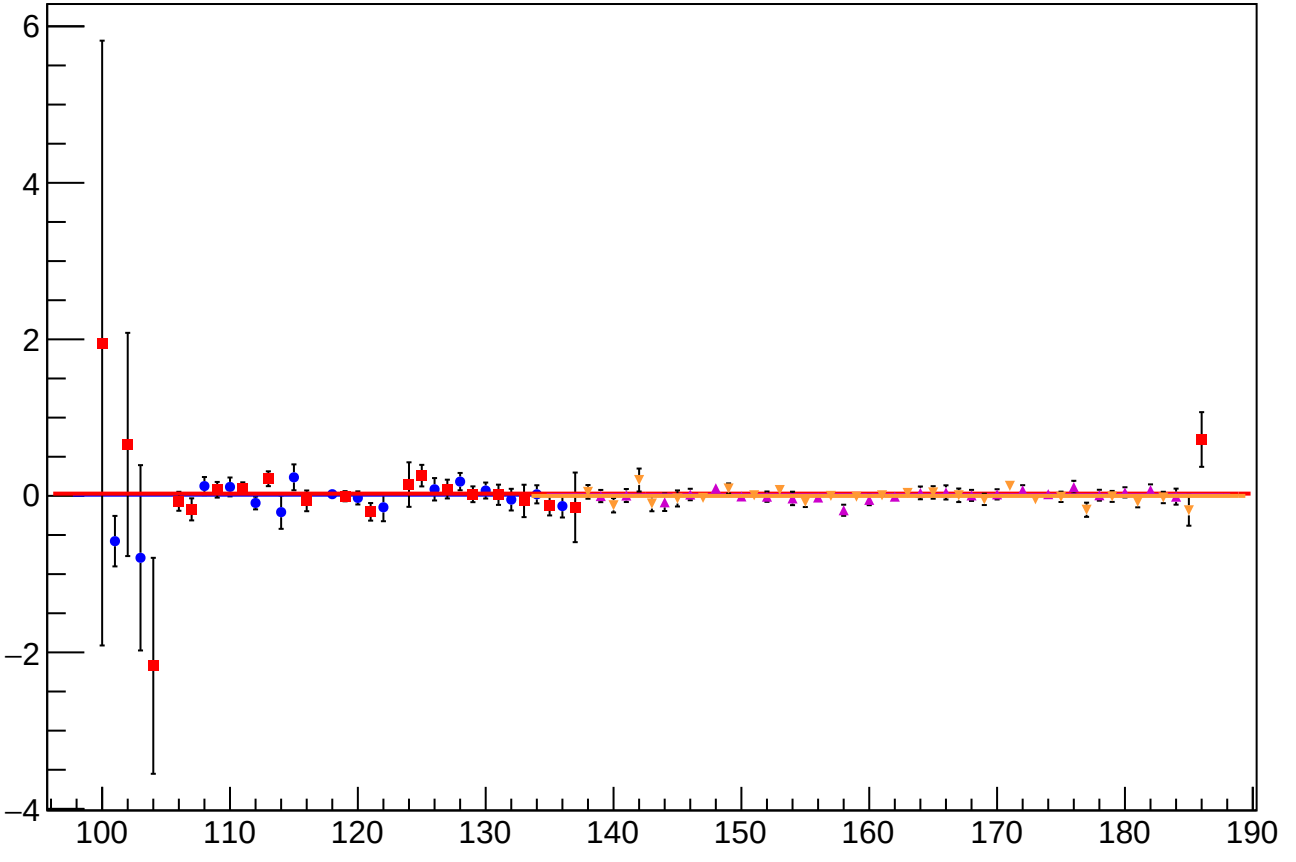
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 55.621+/-0.009 χ^2/NDF: 4581557.1/40

All: 57.367+/-0.006 χ^2/NDF: 8409389.0/83

- sign 59.263+/-0.009 χ^2/NDF: 3747410.1/42

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.029+/-0.028 χ^2/NDF: 24.7/19

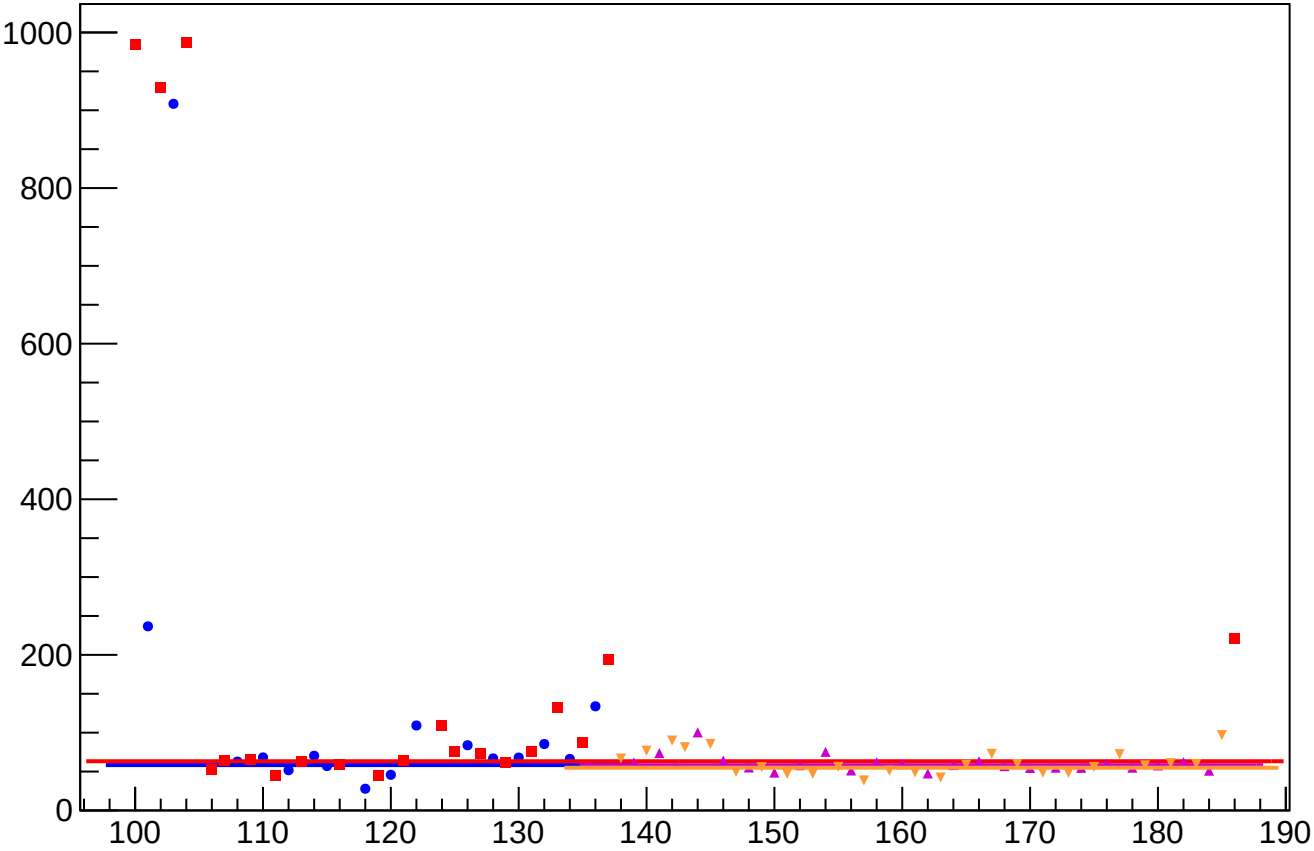
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.003+/-0.013 χ^2/NDF: 37.9/40

All: 0.008+/-0.009 χ^2/NDF: 78.8/83

- sign 0.013+/-0.013 χ^2/NDF: 40.7/42

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

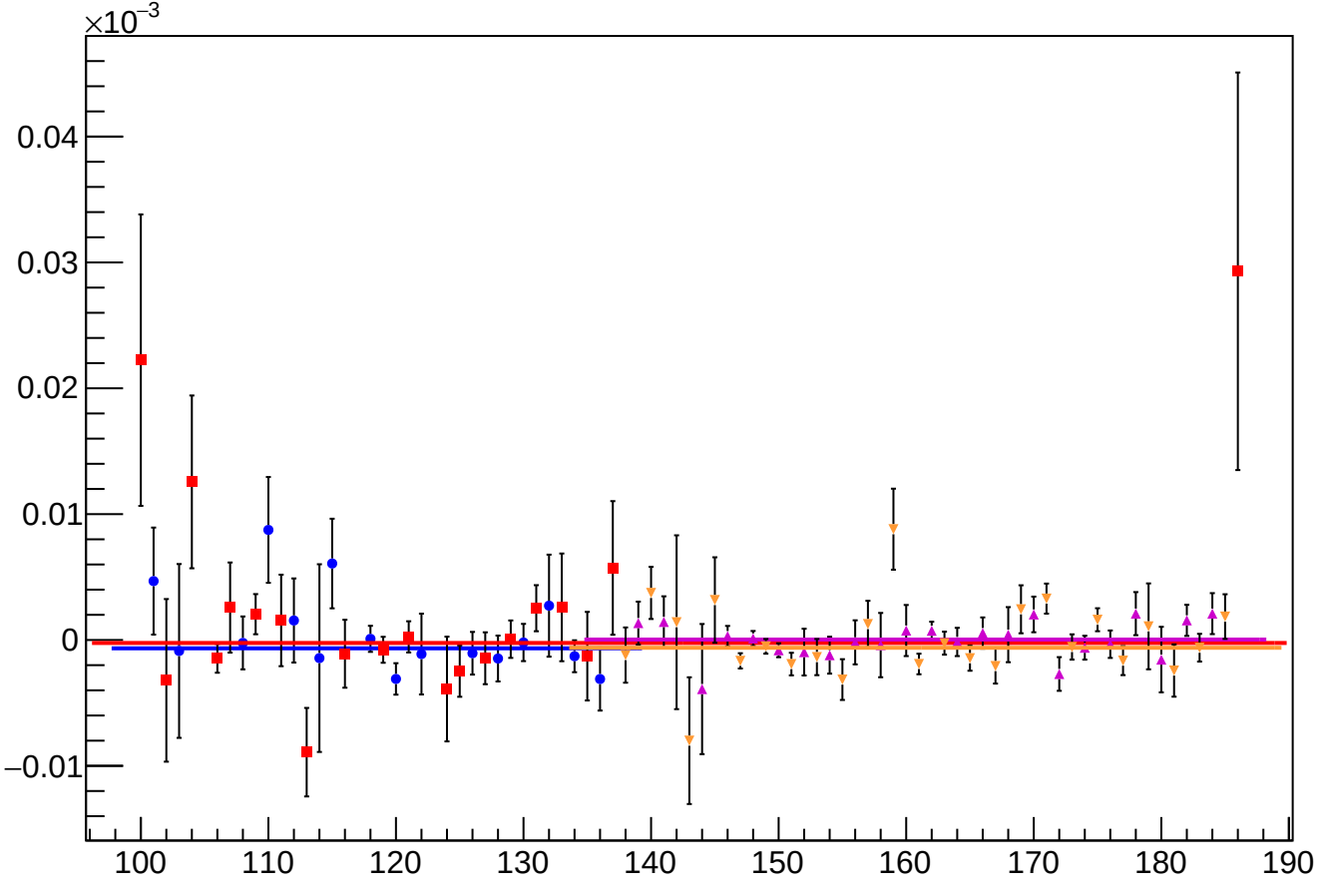
Right Out: 63.251+/-0.020 χ^2/NDF: 3037720.4/19

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 55.621+/-0.009 χ^2/NDF: 4581557.1/40

All: 57.367+/-0.006 χ^2/NDF: 8409389.0/83

- sign 59.263+/-0.009 χ^2/NDF: 3747410.1/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/19

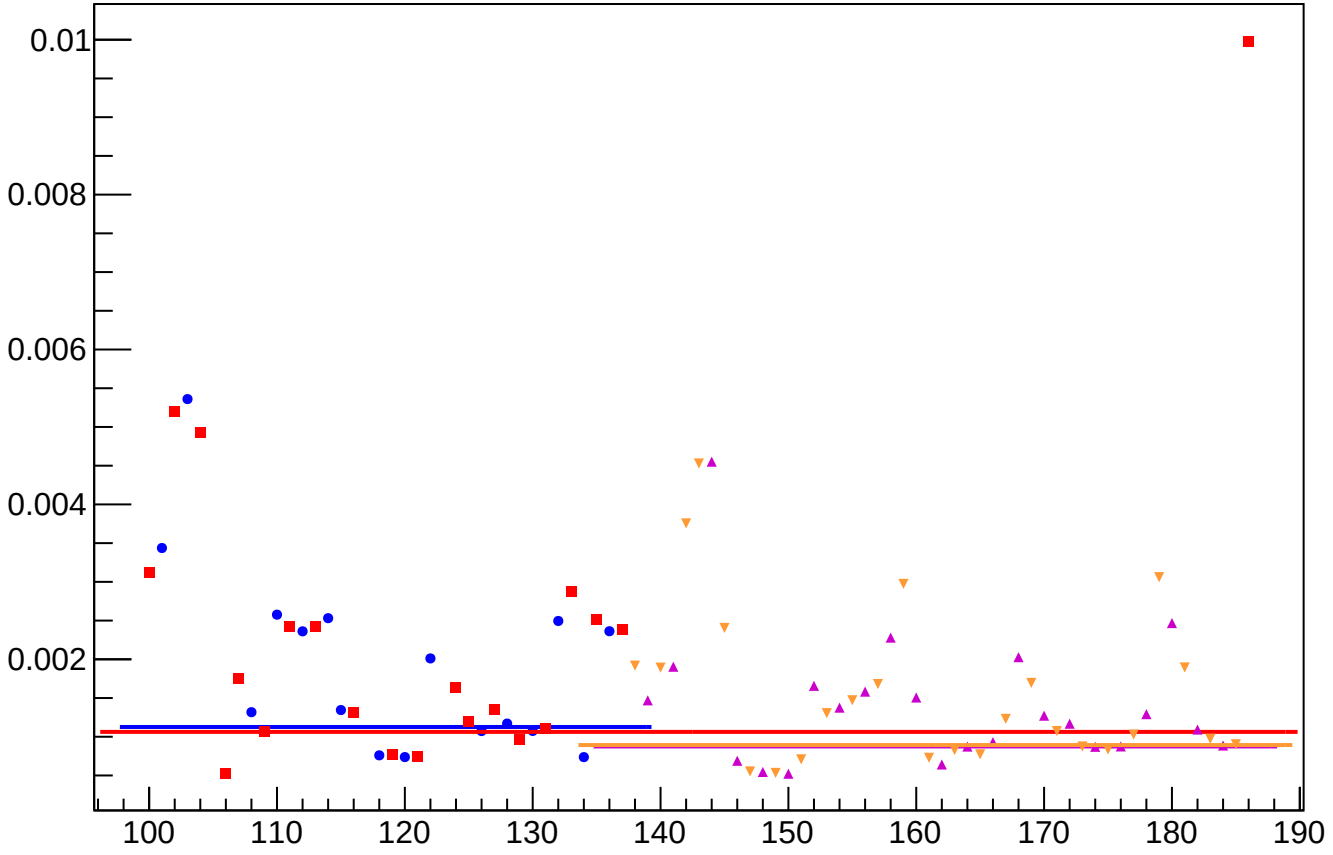
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.0/40

All: -0.000+/-0.000 χ^2/NDF: 120.7/83

- 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: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4486045.3/19

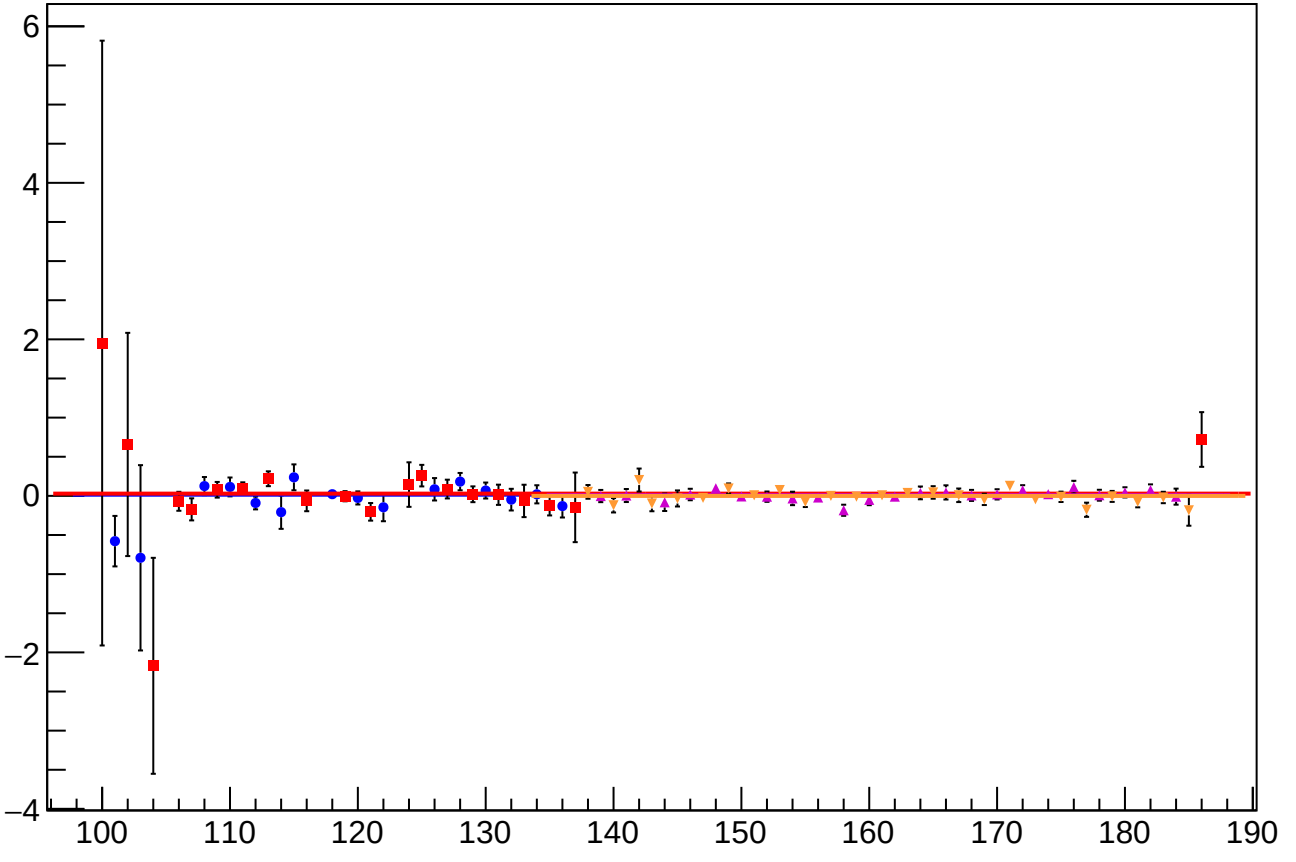
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 11562327.6/40

All: 0.001+/-0.000 χ^2/NDF: 23284348.0/83

- sign 0.001+/-0.000 χ^2/NDF: 11710497.1/42

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.029+/-0.028 χ^2/NDF: 24.7/19

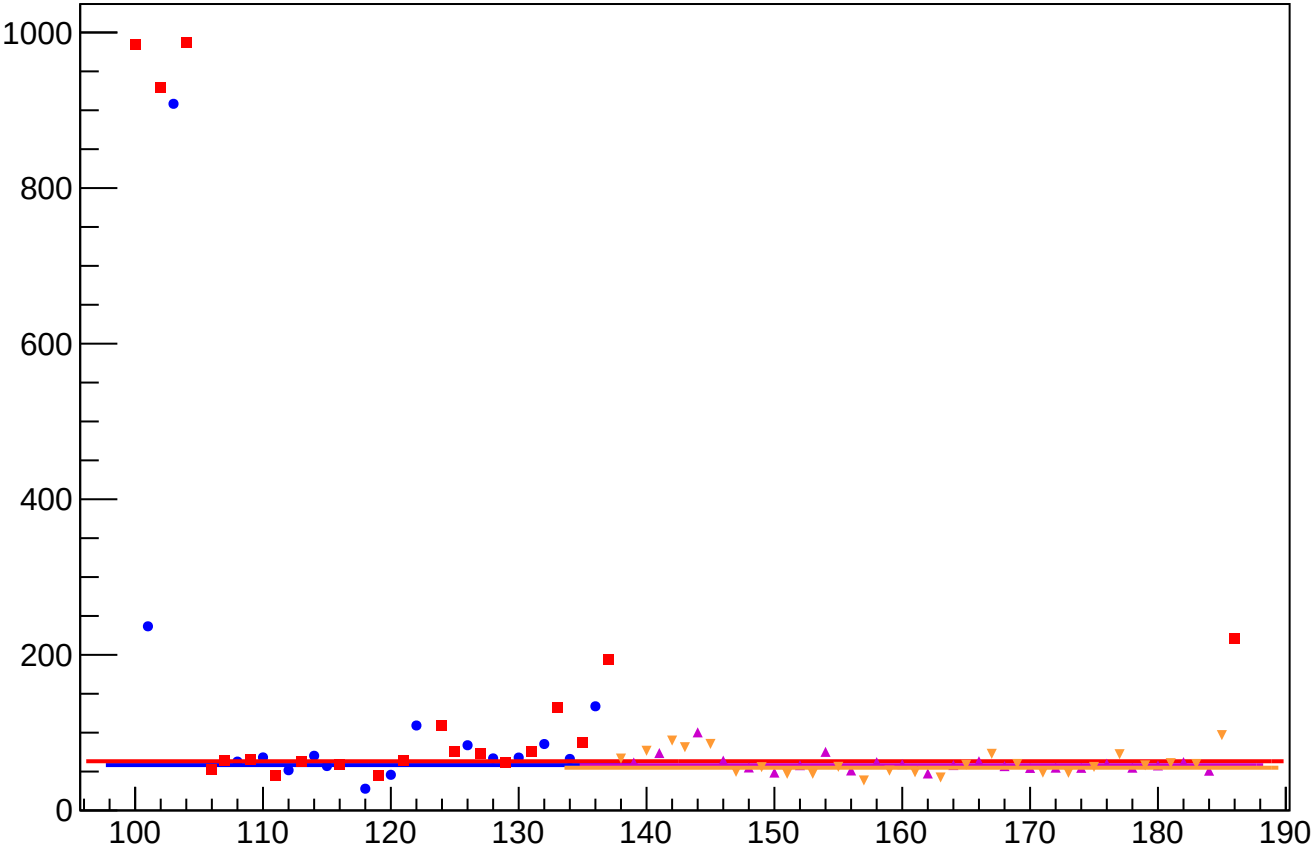
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.003+/-0.013 χ^2/NDF: 37.9/40

All: 0.008+/-0.009 χ^2/NDF: 78.8/83

- sign 0.013+/-0.013 χ^2/NDF: 40.7/42

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

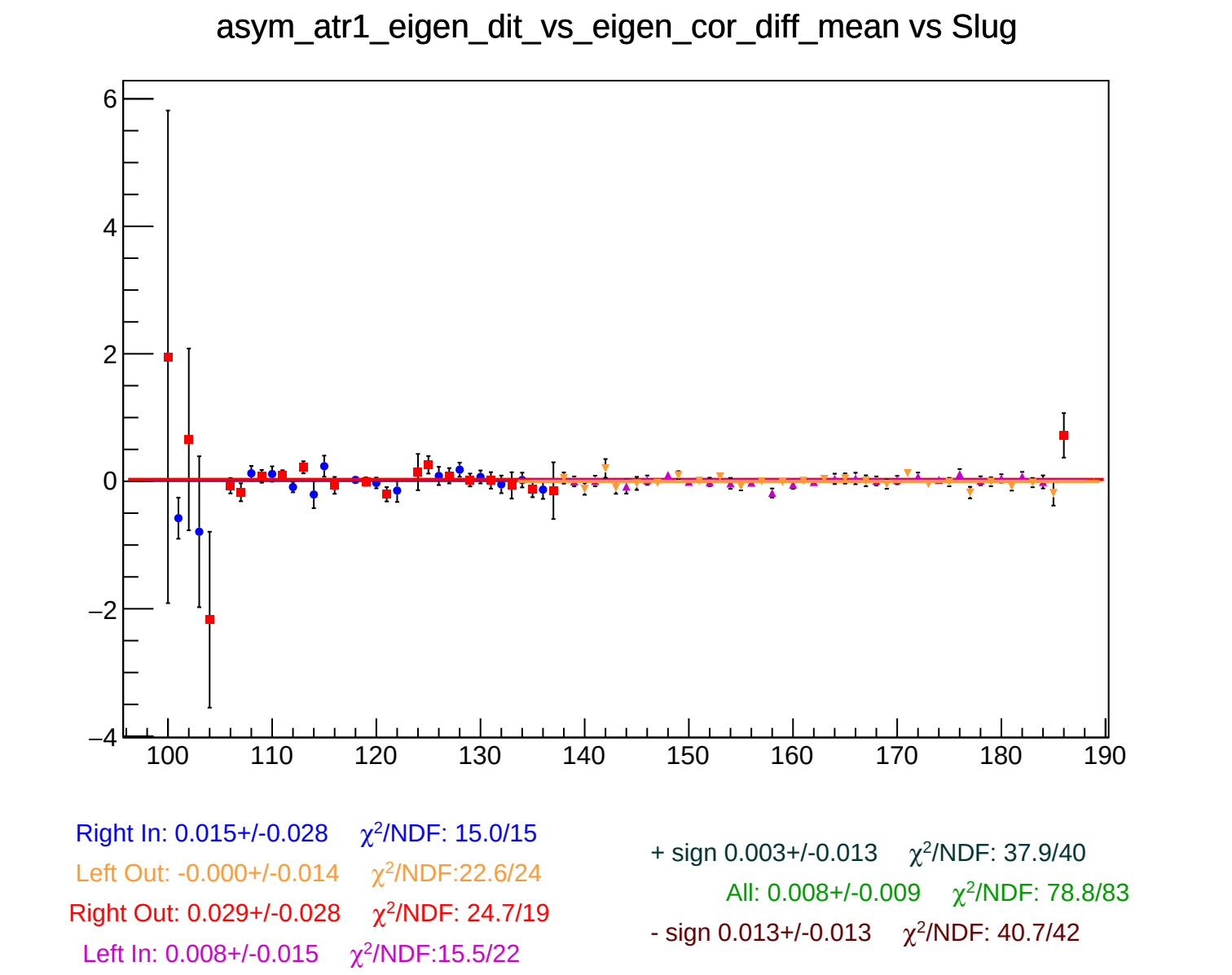
Right Out: 63.251+/-0.020 χ^2/NDF: 3037725.9/19

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

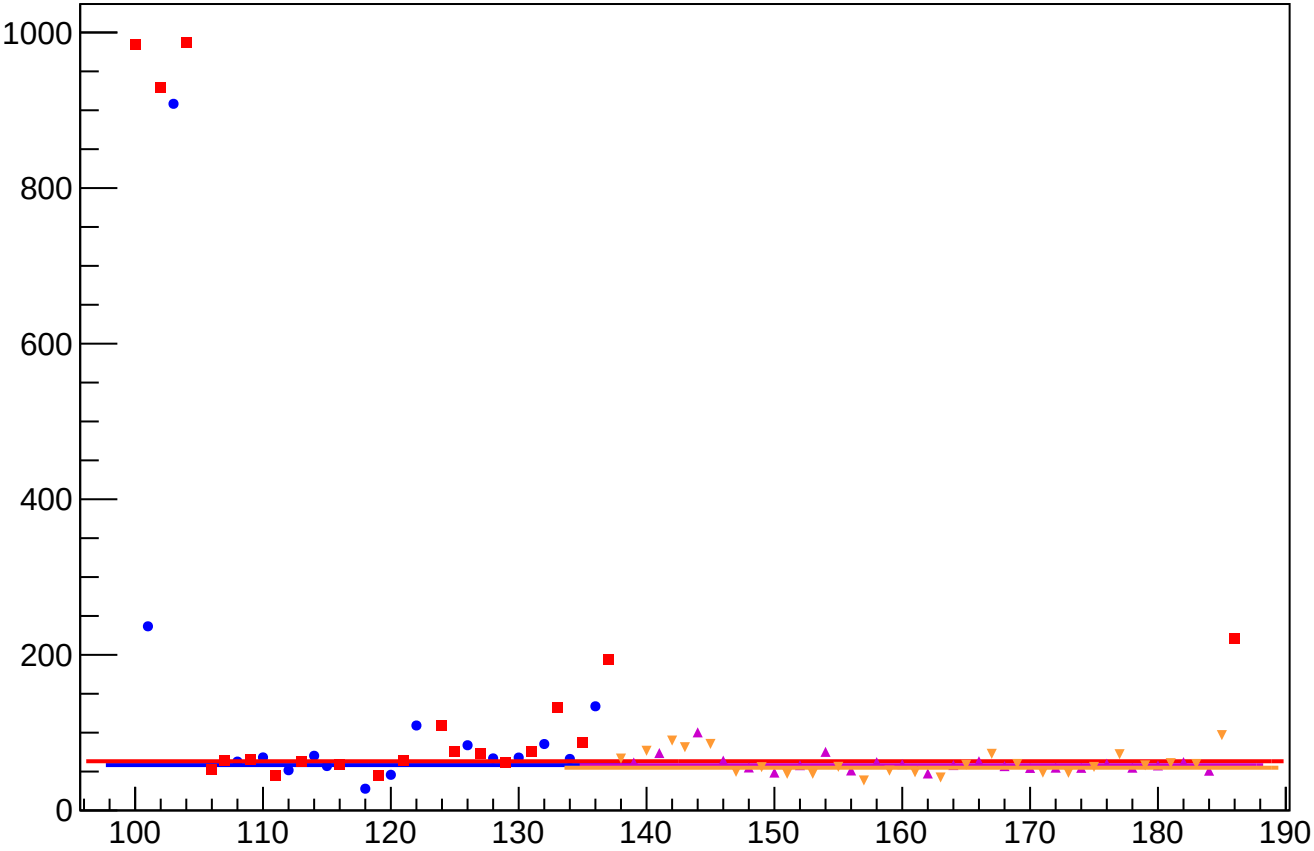
+ sign 55.620+/-0.009 χ^2/NDF: 4581707.4/40

All: 57.367+/-0.006 χ^2/NDF: 8409585.9/83

- sign 59.263+/-0.009 χ^2/NDF: 3747434.5/42


asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: 0.015+/-0.028 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: 0.029+/-0.028 χ²/NDF: 24.7/19
Left In: 0.008+/-0.015 χ²/NDF:15.5/22
+ sign 0.003+/-0.013 χ²/NDF: 37.9/40
All: 0.008+/-0.009 χ²/NDF: 78.8/83
- sign 0.013+/-0.013 χ²/NDF: 40.7/42

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 63.251+/-0.020 χ^2/NDF: 3037725.9/19

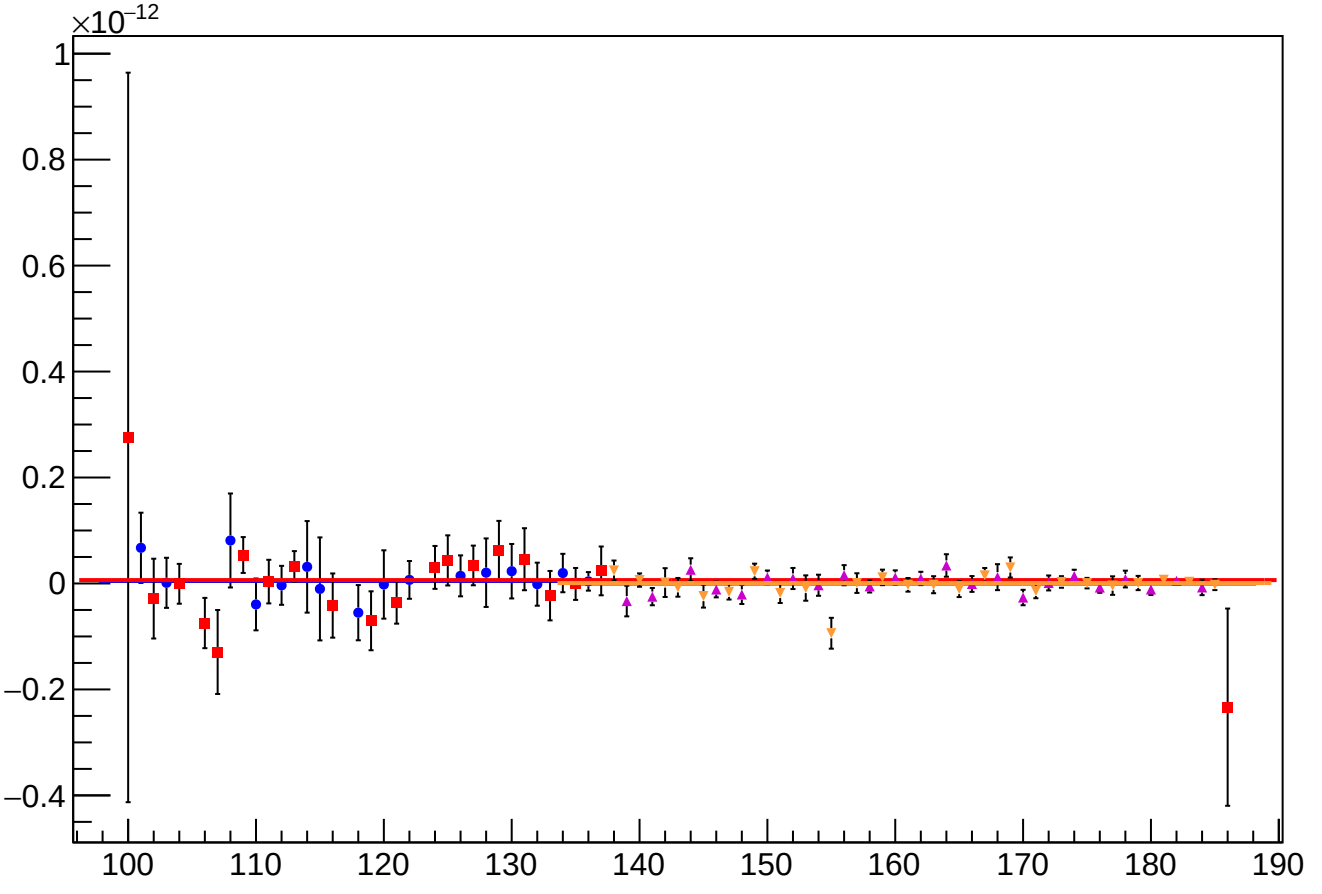
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

\+ sign 55.620+/-0.009 χ^2/NDF: 4581707.4/40

All: 57.367+/-0.006 χ^2/NDF: 8409585.9/83

\- 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: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

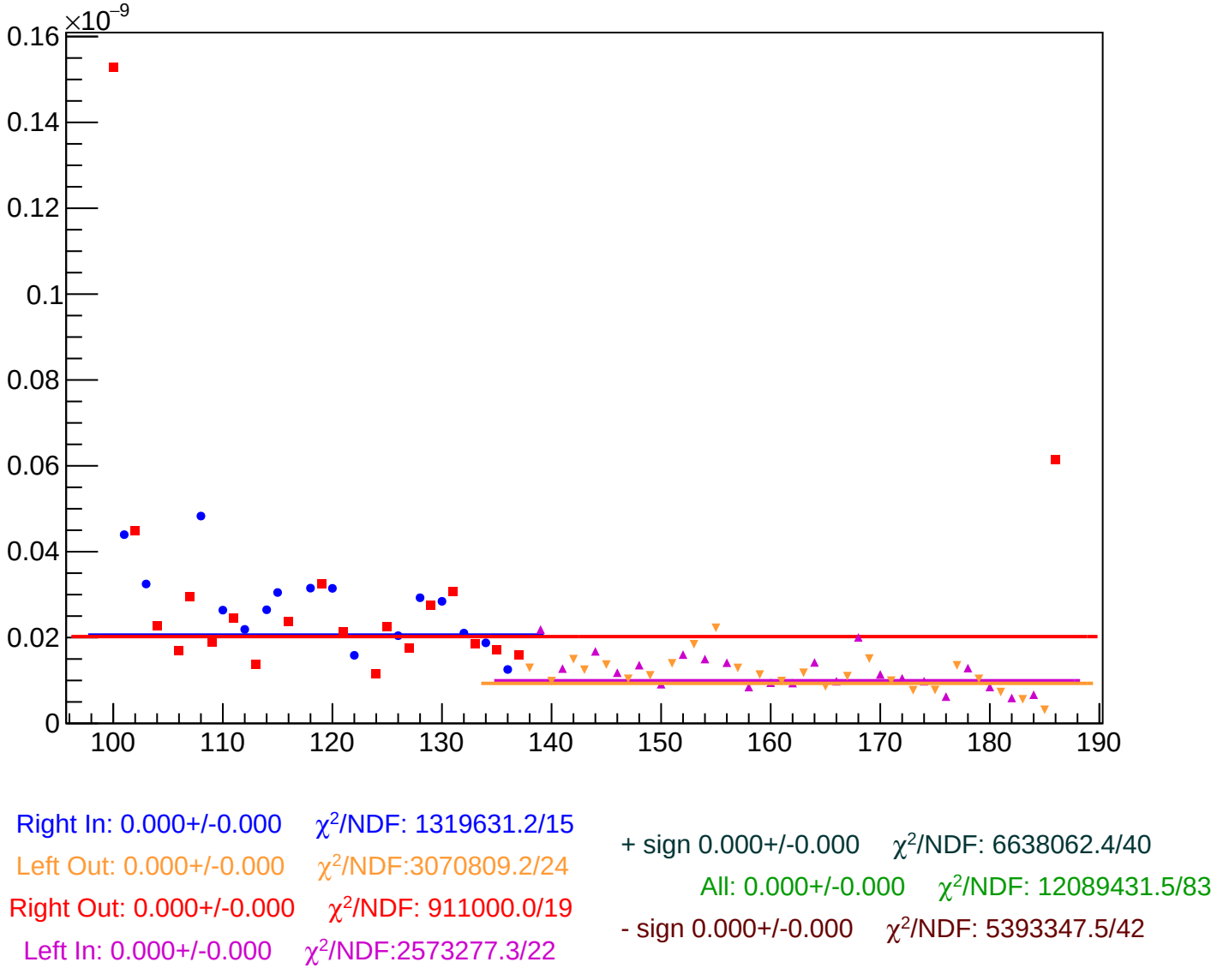
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/19

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

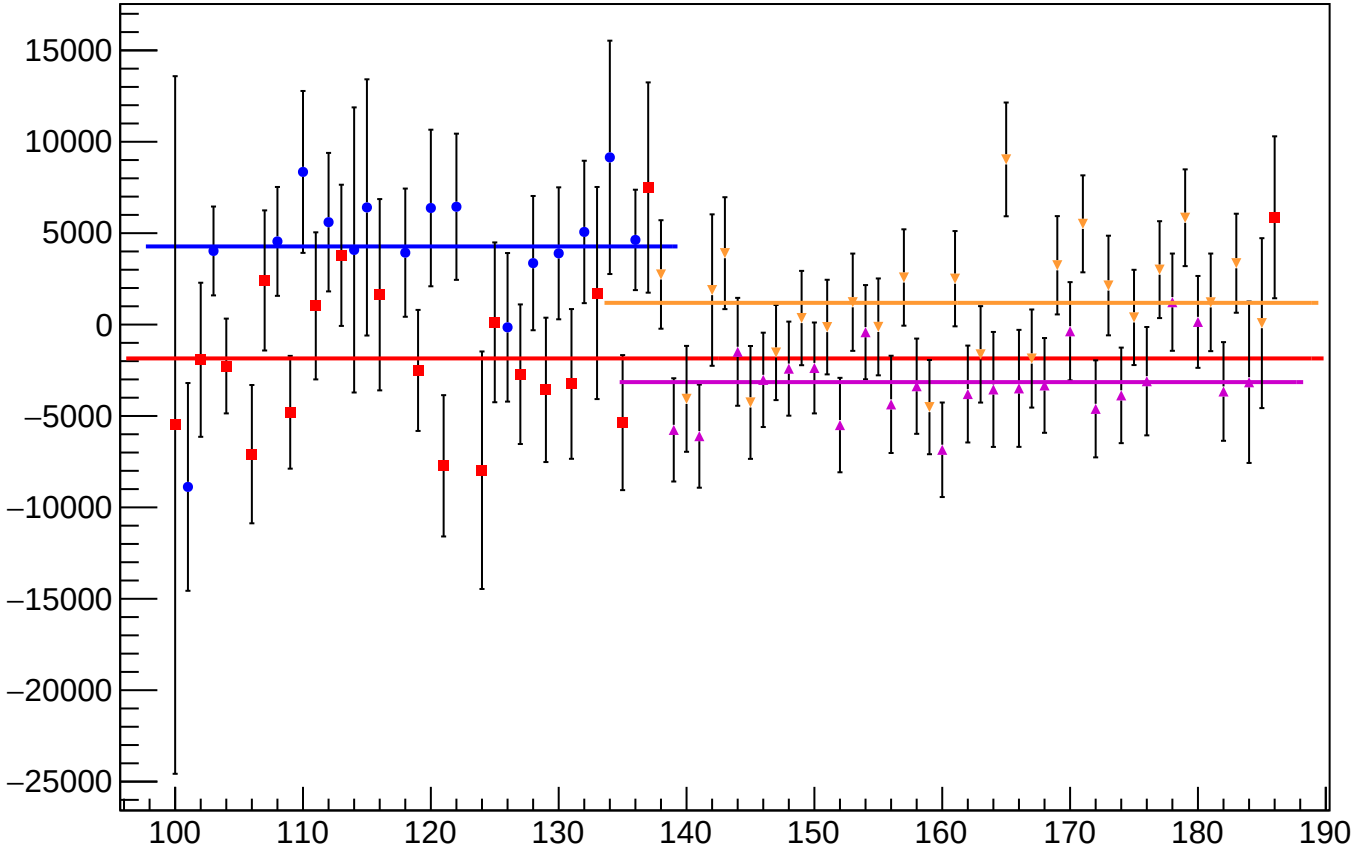
+ sign 0.000+/-0.000 χ^2/NDF: 29.9/40

All: 0.000+/-0.000 χ^2/NDF: 68.3/83

- sign 0.000+/-0.000 χ^2/NDF: 38.4/42


asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 1319631.2/15
Left Out: 0.000+/-0.000 χ²/NDF:3070809.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 911000.0/19
Left In: 0.000+/-0.000 χ²/NDF:2573277.3/22
+ sign 0.000+/-0.000 χ²/NDF: 6638062.4/40
All: 0.000+/-0.000 χ²/NDF: 12089431.5/83
- sign 0.000+/-0.000 χ²/NDF: 5393347.5/42

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1851.610+/-902.746 χ^2/NDF: 18.0/19

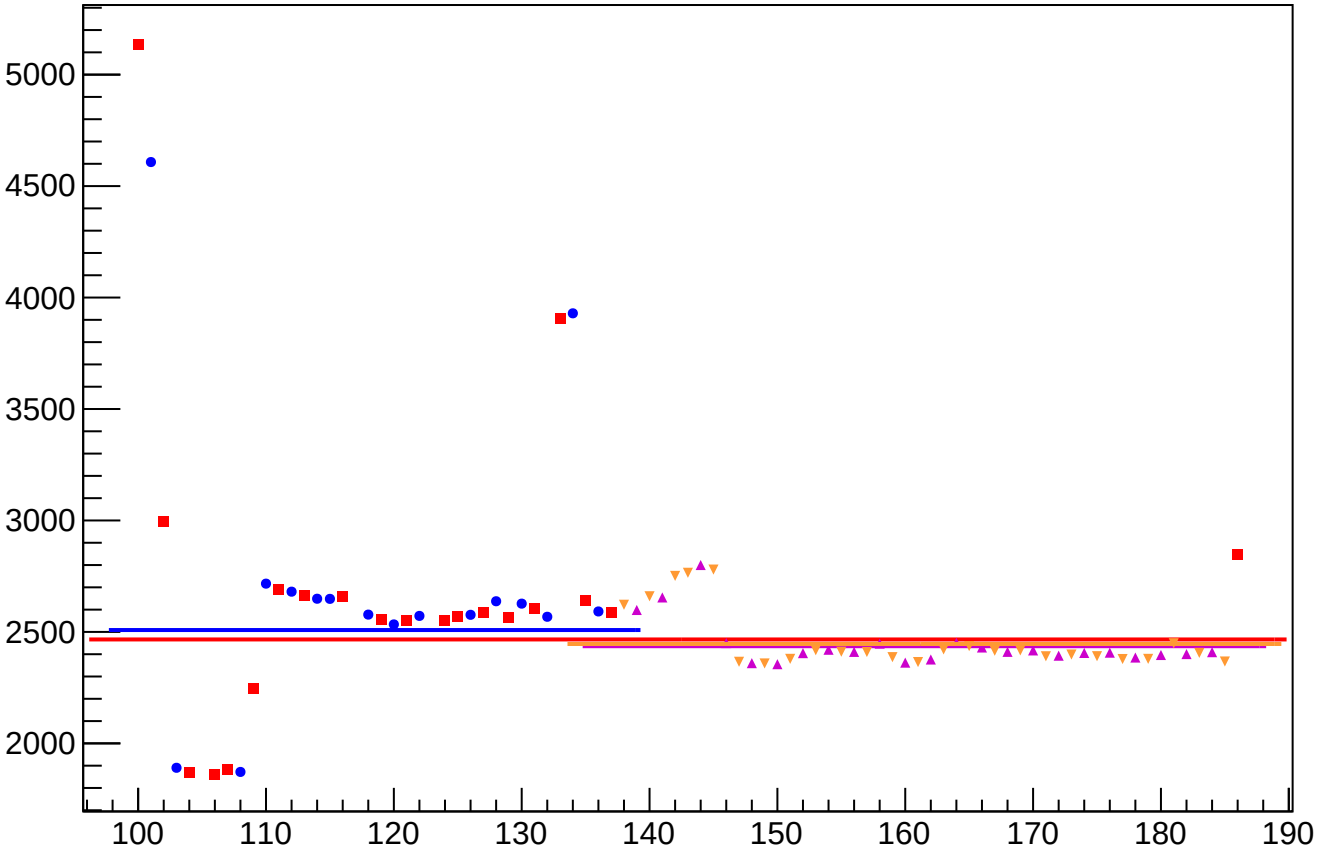
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 1974.182+/-480.265 χ^2/NDF: 47.8/40

All: -396.221+/-340.033 χ^2/NDF: 128.8/83

- sign -2778.787+/-481.495 χ^2/NDF: 32.1/42

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2466.221+/-0.638 χ^2/NDF: 452499.7/19

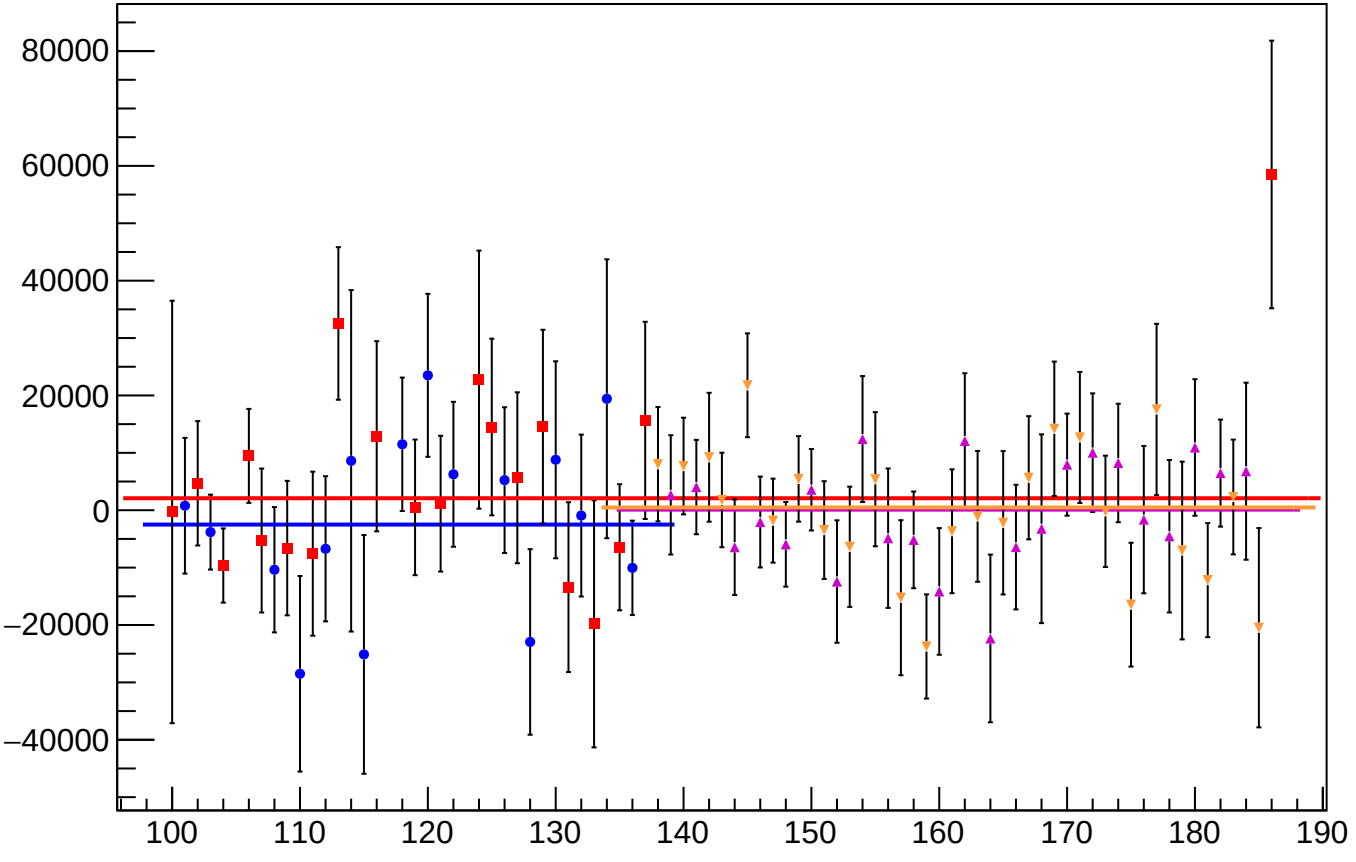
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2461.769+/-0.340 χ^2/NDF: 708060.2/40

All: 2453.187+/-0.240 χ^2/NDF: 1222639.3/83

- sign 2444.562+/-0.340 χ^2/NDF: 513298.6/42

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

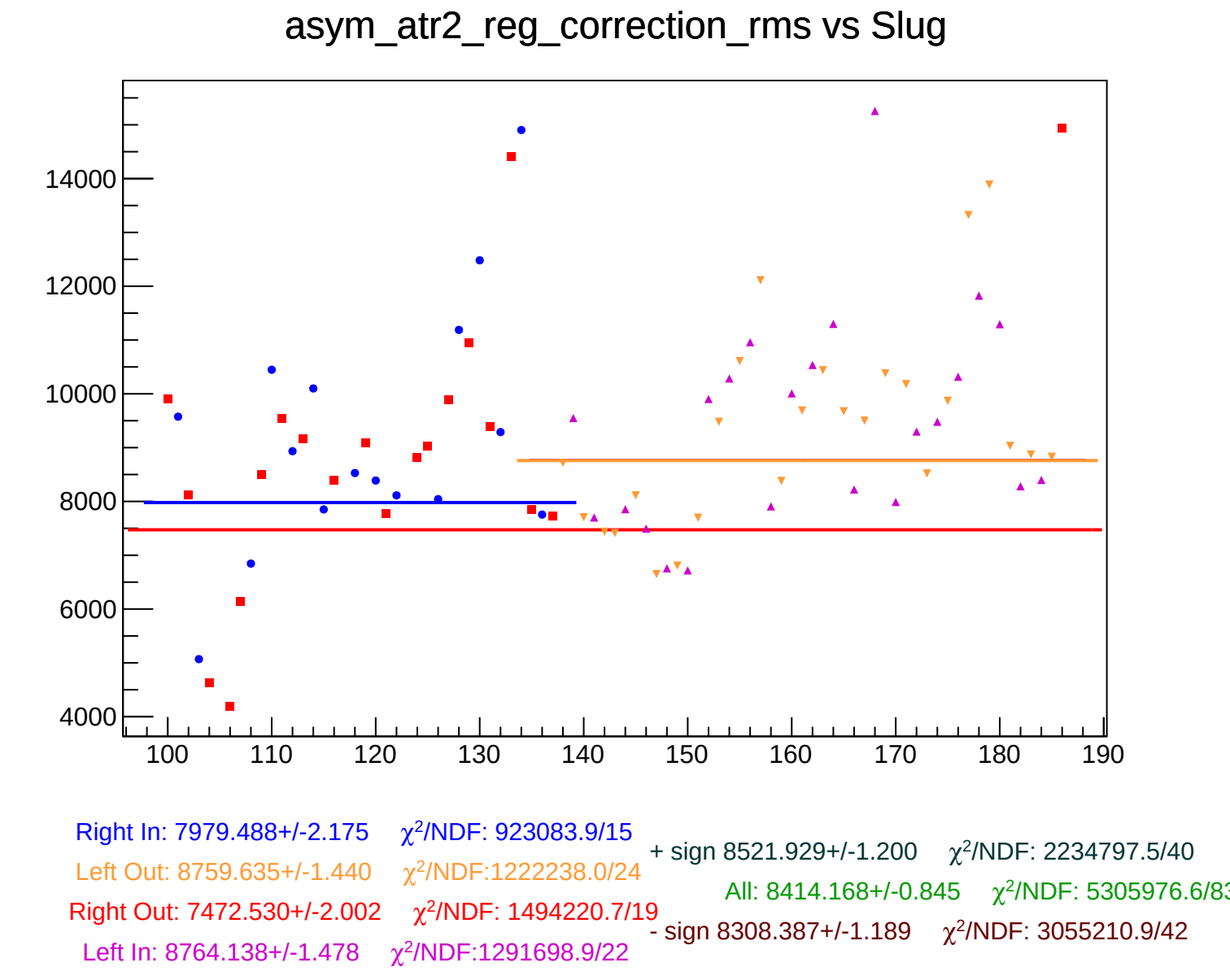
Right Out: 2088.928+/-2831.622 χ^2/NDF: 22.5/19

Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

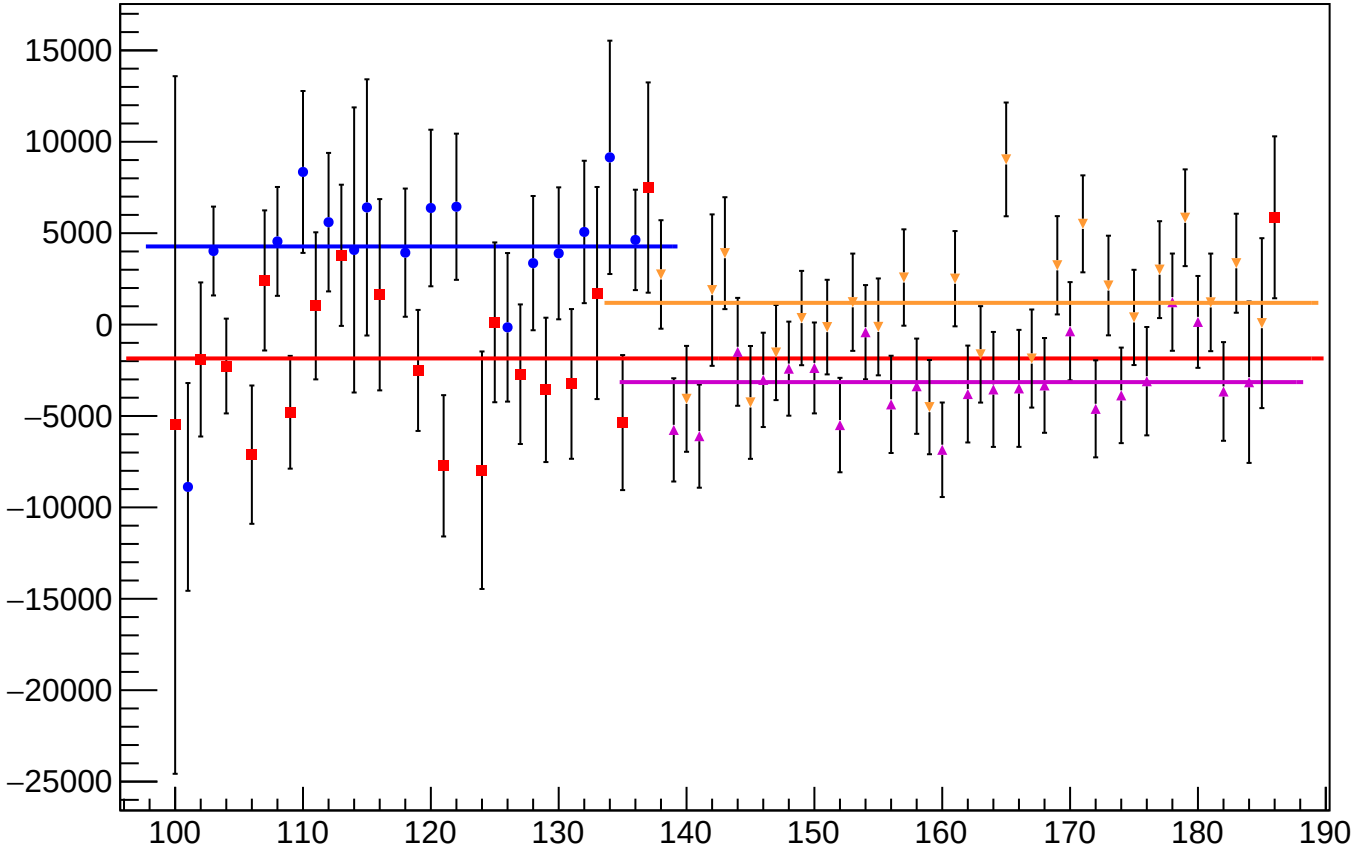
+ sign -430.128+/-1697.693 χ^2/NDF: 41.8/40

All: 193.165+/-1194.874 χ^2/NDF: 79.4/83

- sign 805.010+/-1682.030 χ^2/NDF: 37.3/42


asym_atr2_reg_correction_rms vs Slug
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 8759.635+/-1.440 χ²/NDF:1222238.0/24
Right Out: 7472.530+/-2.002 χ²/NDF: 1494220.7/19
Left In: 8764.138+/-1.478 χ²/NDF:1291698.9/22
+ sign 8521.929+/-1.200 χ²/NDF: 2234797.5/40
All: 8414.168+/-0.845 χ²/NDF: 5305976.6/83
- sign 8308.387+/-1.189 χ²/NDF: 3055210.9/42

cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

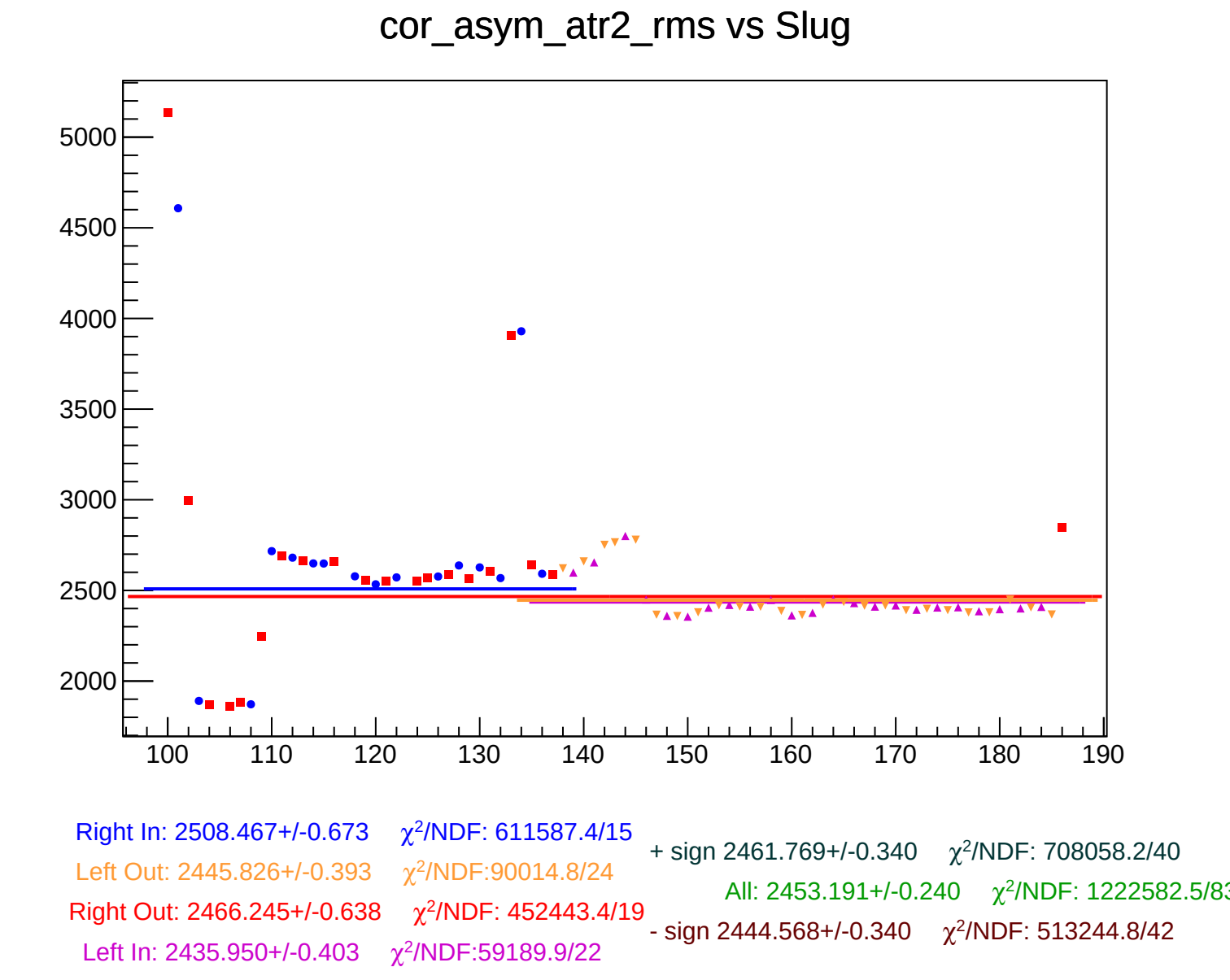
Right Out: -1852.217+/-902.753 χ^2/NDF: 18.0/19

Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

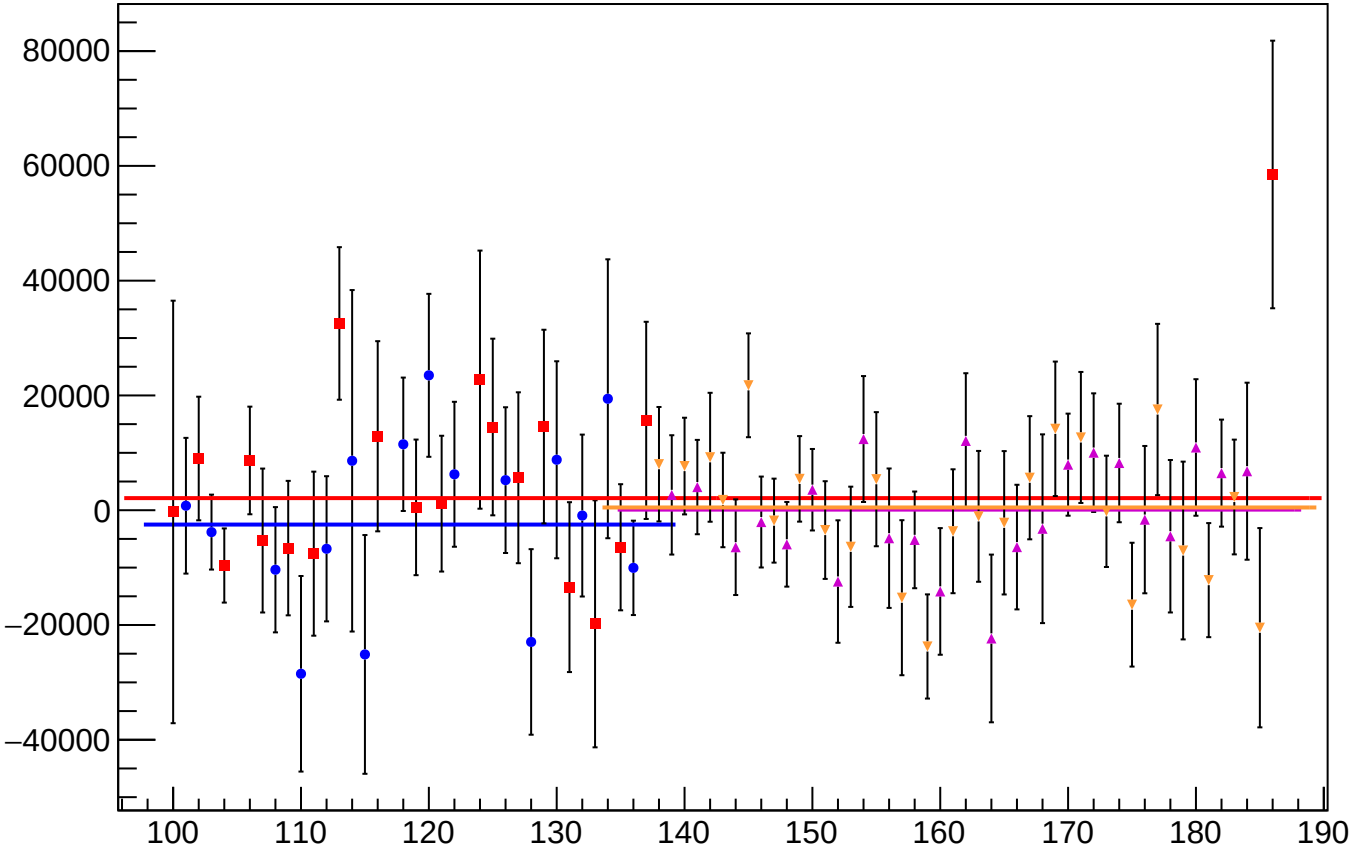
+ sign 1973.930+/-480.265 χ^2/NDF: 47.9/40

All: -396.360+/-340.033 χ^2/NDF: 128.8/83

- sign -2778.822+/-481.496 χ^2/NDF: 32.1/42


cor_asym_atr2_rms vs Slug
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2508.467+/-0.673 χ²/NDF: 611587.4/15
Left Out: 2445.826+/-0.393 χ²/NDF:90014.8/24
Right Out: 2466.245+/-0.638 χ²/NDF: 452443.4/19
Left In: 2435.950+/-0.403 χ²/NDF:59189.9/22
+ sign 2461.769+/-0.340 χ²/NDF: 708058.2/40
All: 2453.191+/-0.240 χ²/NDF: 1222582.5/83
- sign 2444.568+/-0.340 χ²/NDF: 513244.8/42

asym_atr2_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2108.454+/-2871.437 χ^2/NDF: 22.6/19

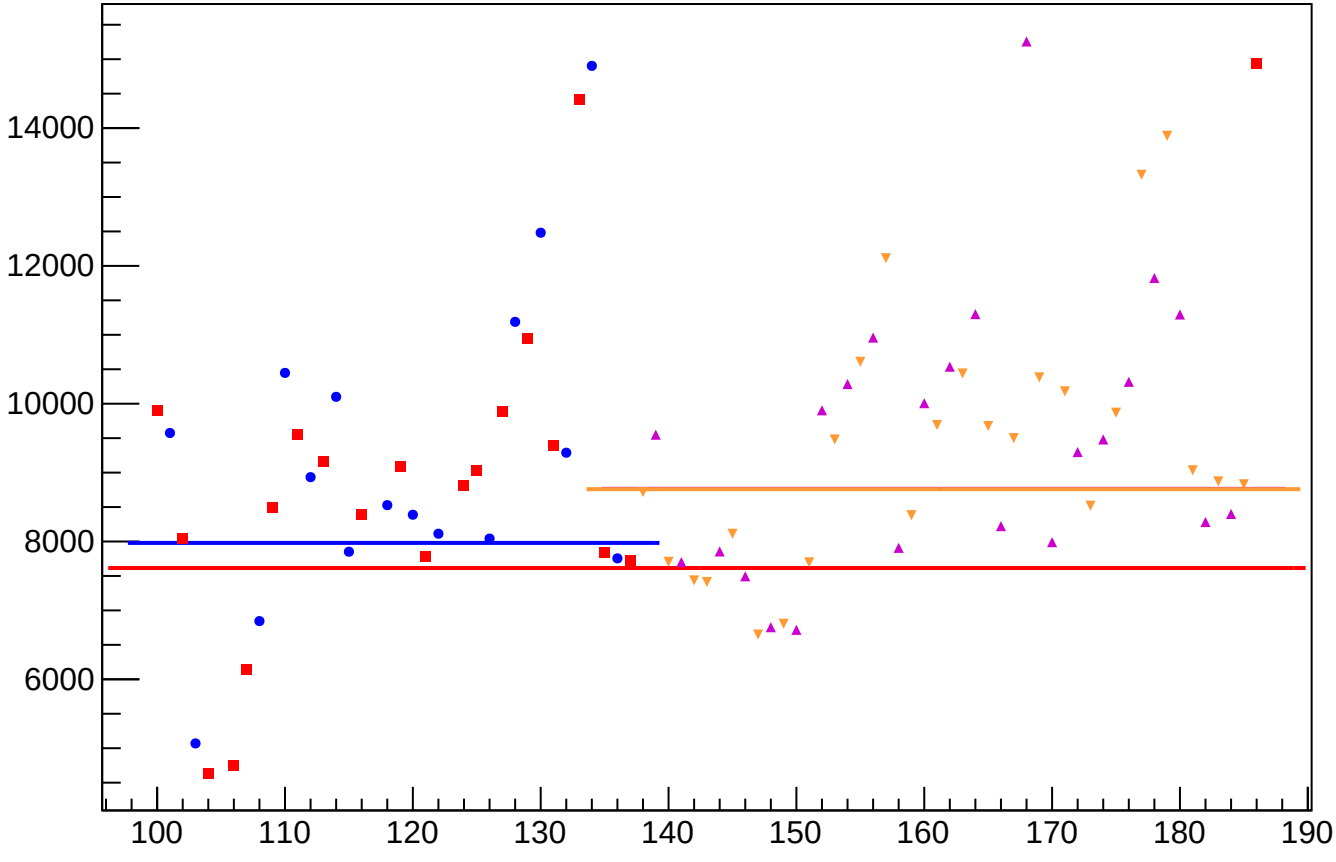
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -430.015+/-1697.706 χ^2/NDF: 41.8/40

All: 187.305+/-1197.819 χ^2/NDF: 79.4/83

- sign 799.223+/-1690.262 χ^2/NDF: 37.4/42

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 7615.487+/-2.030 χ^2/NDF: 1335924.2/19

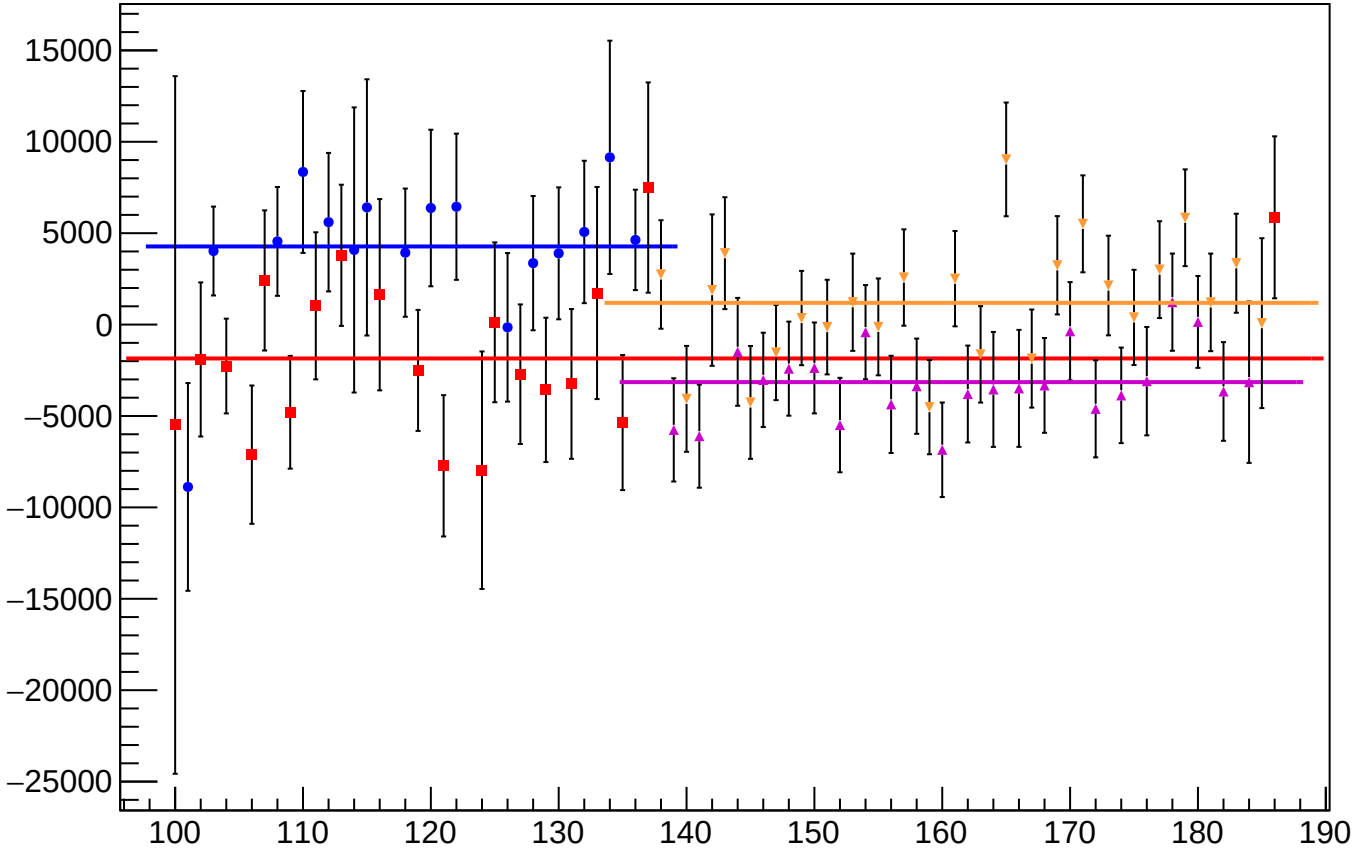
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8522.030+/-1.200 χ^2/NDF: 2234429.8/40

All: 8443.733+/-0.847 χ^2/NDF: 5079669.5/83

- sign 8366.121+/-1.195 χ^2/NDF: 2836768.9/42

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1852.217+/-902.753 χ^2/NDF: 18.0/19

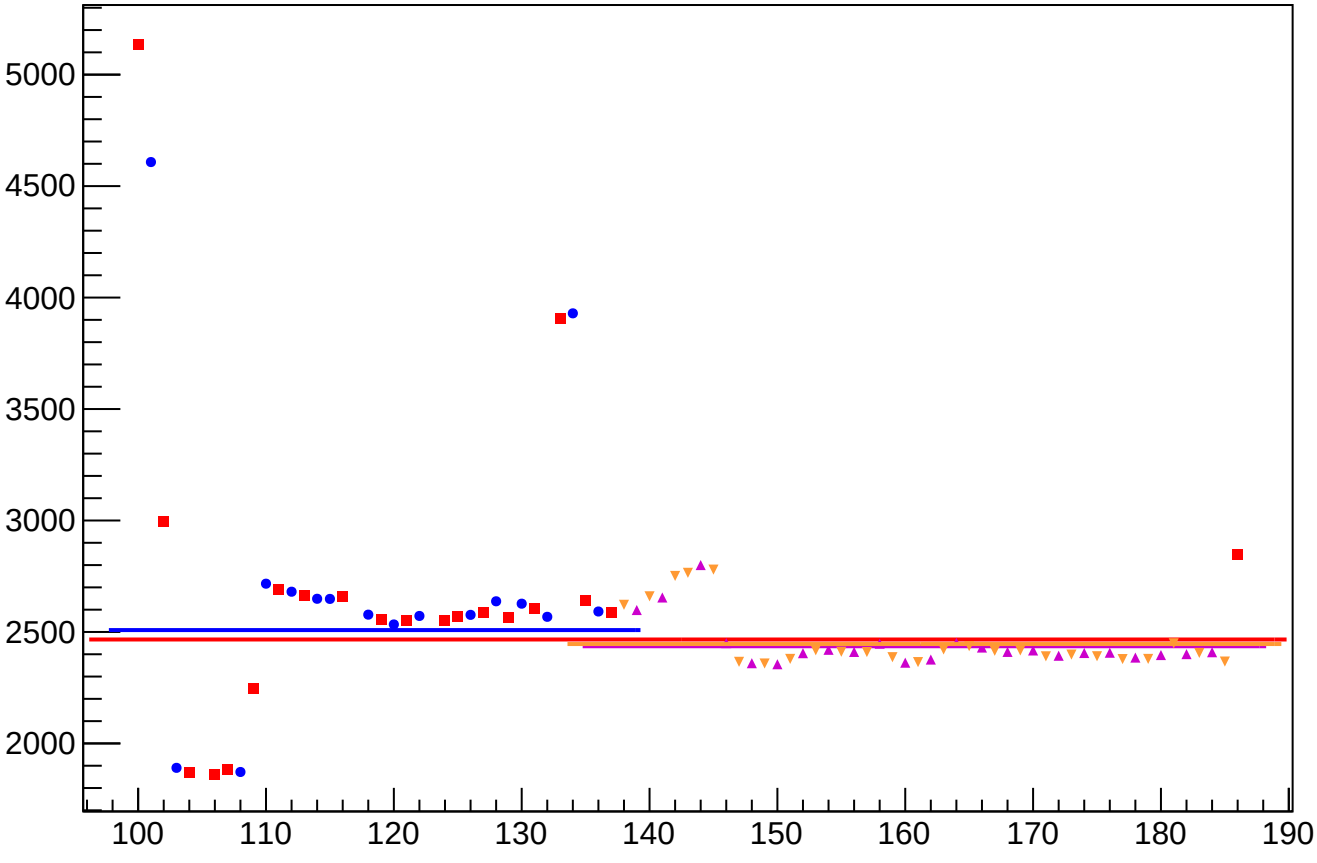
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1973.930+/-480.265 χ^2/NDF: 47.9/40

All: -396.360+/-340.033 χ^2/NDF: 128.8/83

- sign -2778.822+/-481.496 χ^2/NDF: 32.1/42

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2466.245+/-0.638 χ^2/NDF: 452443.4/19

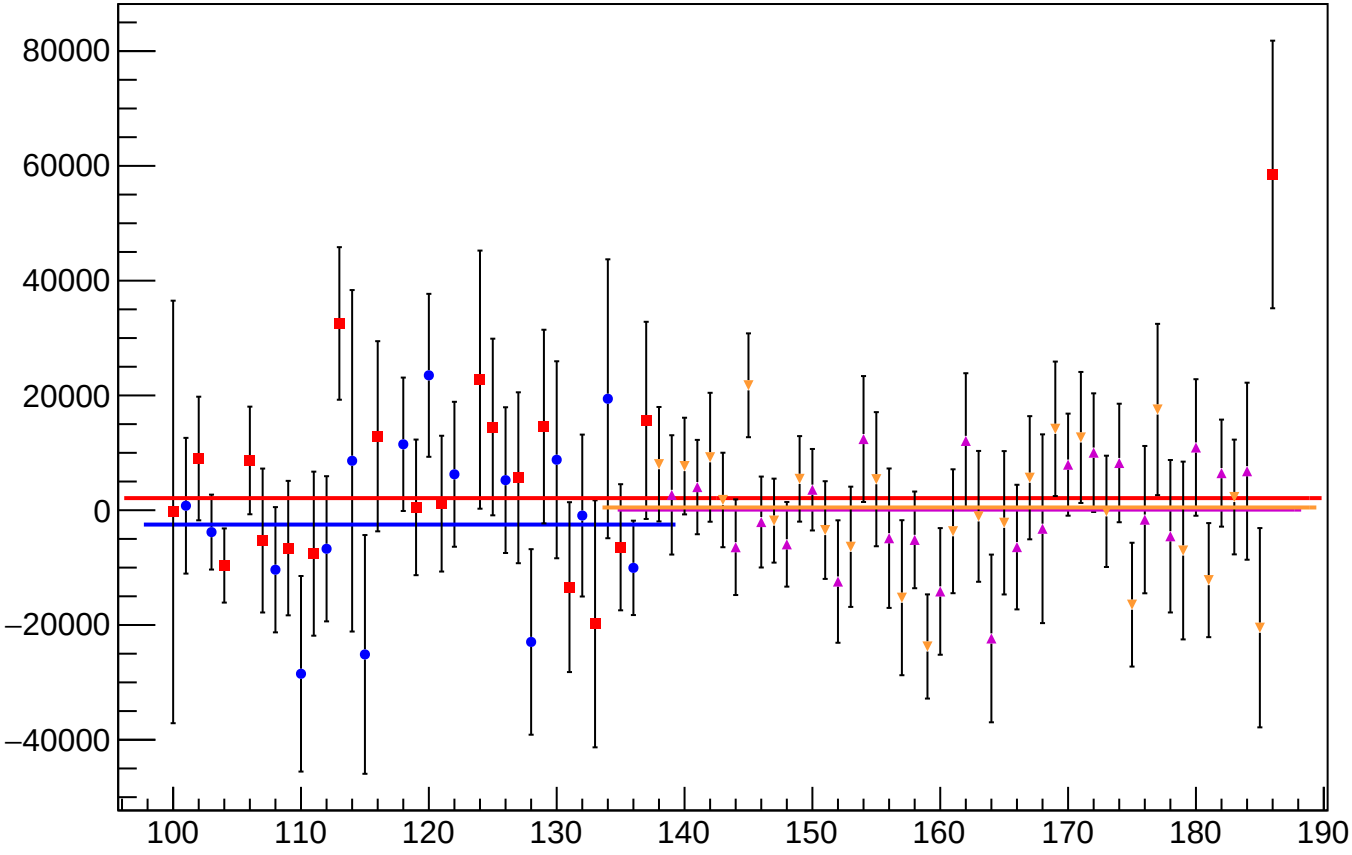
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2461.769+/-0.340 χ^2/NDF: 708058.2/40

All: 2453.191+/-0.240 χ^2/NDF: 1222582.5/83

- sign 2444.568+/-0.340 χ^2/NDF: 513244.8/42

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2108.454+/-2871.437 χ^2/NDF: 22.6/19

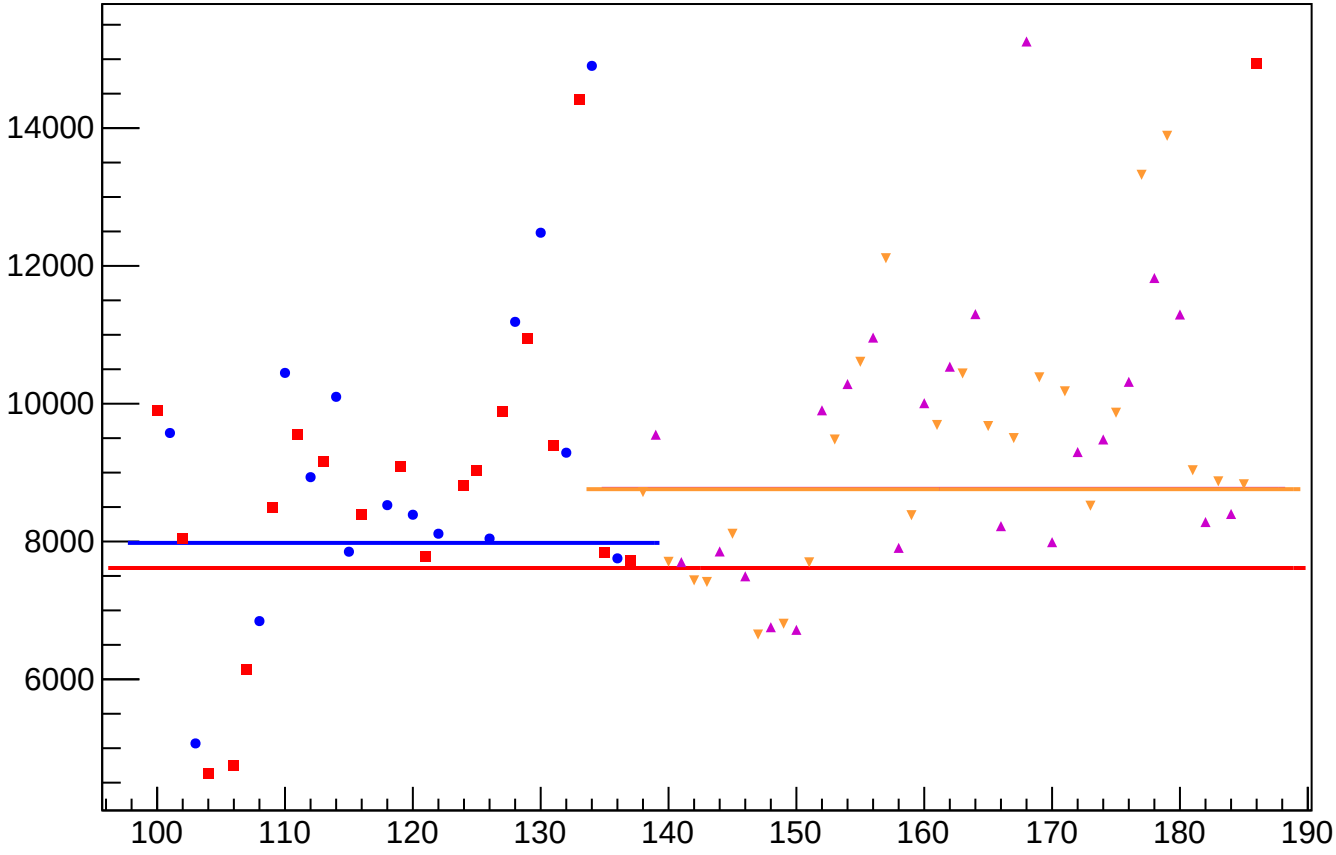
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -430.015+/-1697.706 χ^2/NDF: 41.8/40

All: 187.305+/-1197.819 χ^2/NDF: 79.4/83

- sign 799.223+/-1690.262 χ^2/NDF: 37.4/42

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 7615.487+/-2.030 χ^2/NDF: 1335924.2/19

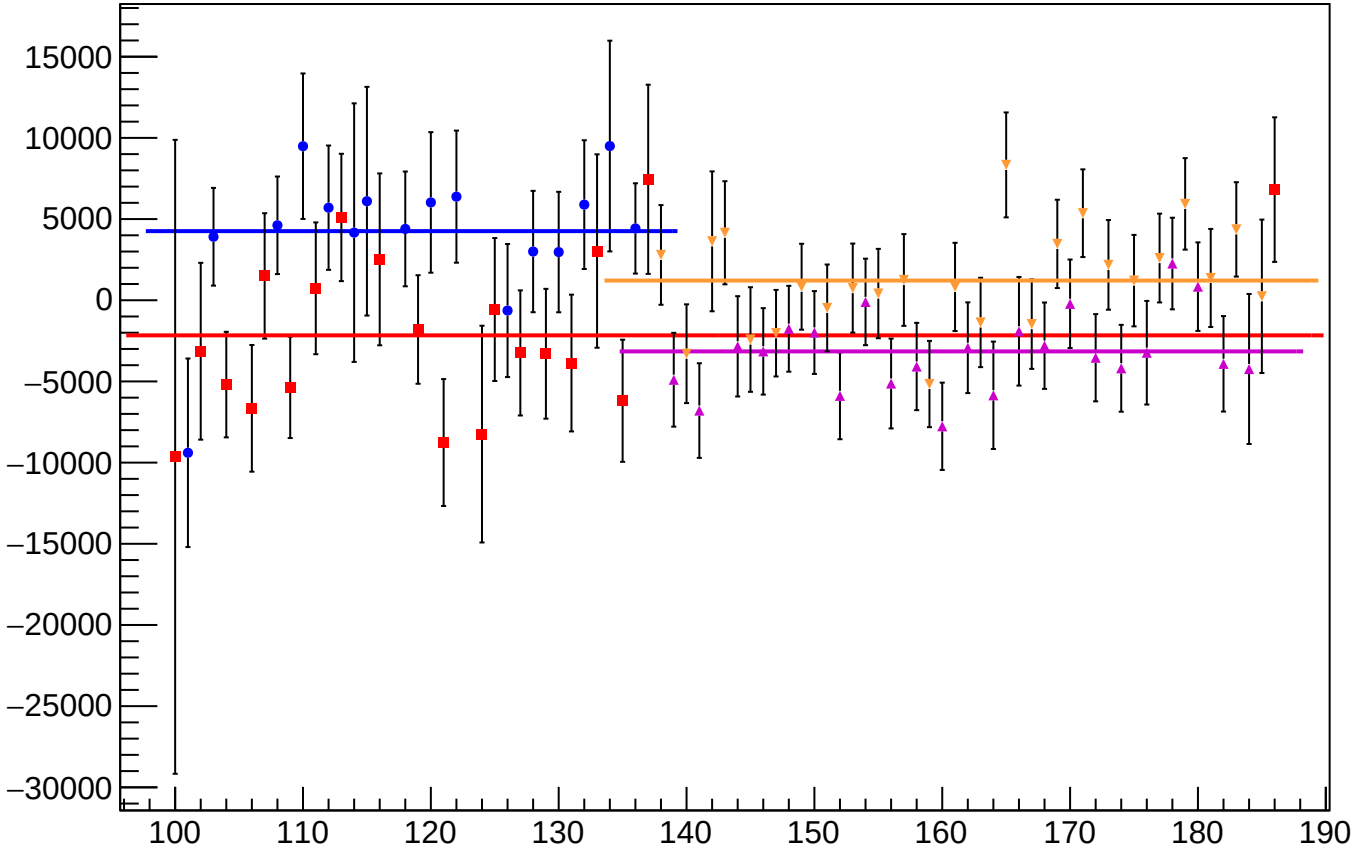
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8522.030+/-1.200 χ^2/NDF: 2234429.8/40

All: 8443.733+/-0.847 χ^2/NDF: 5079669.5/83

- sign 8366.121+/-1.195 χ^2/NDF: 2836768.9/42

dit_asym_atr2_mean vs Slug



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -2162.054+/-944.080 χ^2/NDF: 21.9/19

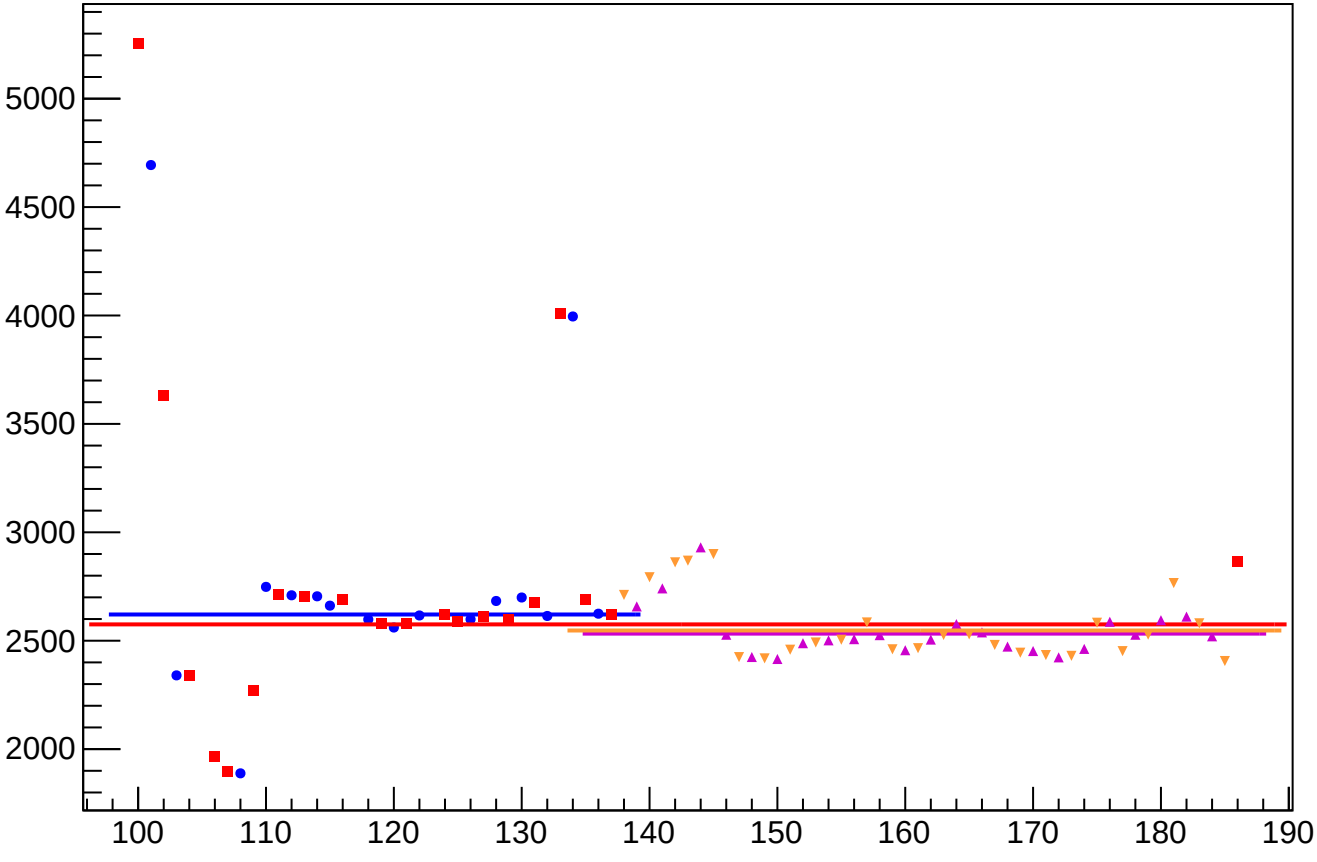
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 1990.221+/-500.313 χ^2/NDF: 43.9/40

All: -434.192+/-354.236 χ^2/NDF: 130.1/83

- sign -2871.280+/-501.620 χ^2/NDF: 39.1/42

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2575.293+/-0.667 χ^2/NDF: 387061.7/19

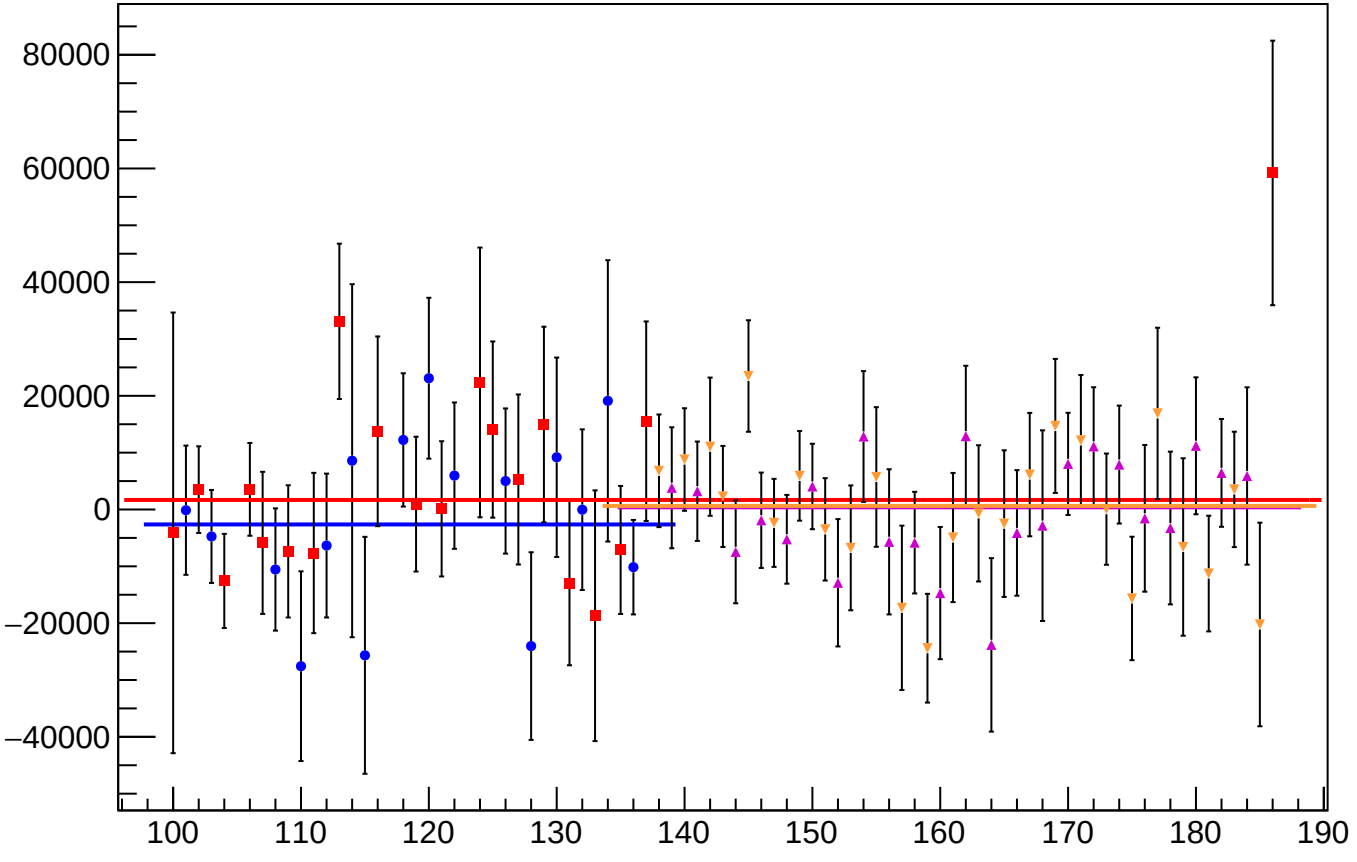
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2565.984+/-0.354 χ^2/NDF: 611484.4/40

All: 2555.411+/-0.250 χ^2/NDF: 1071692.0/83

- sign 2544.786+/-0.355 χ^2/NDF: 458416.8/42

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 1679.667+/-2851.290 χ^2/NDF: 21.6/19

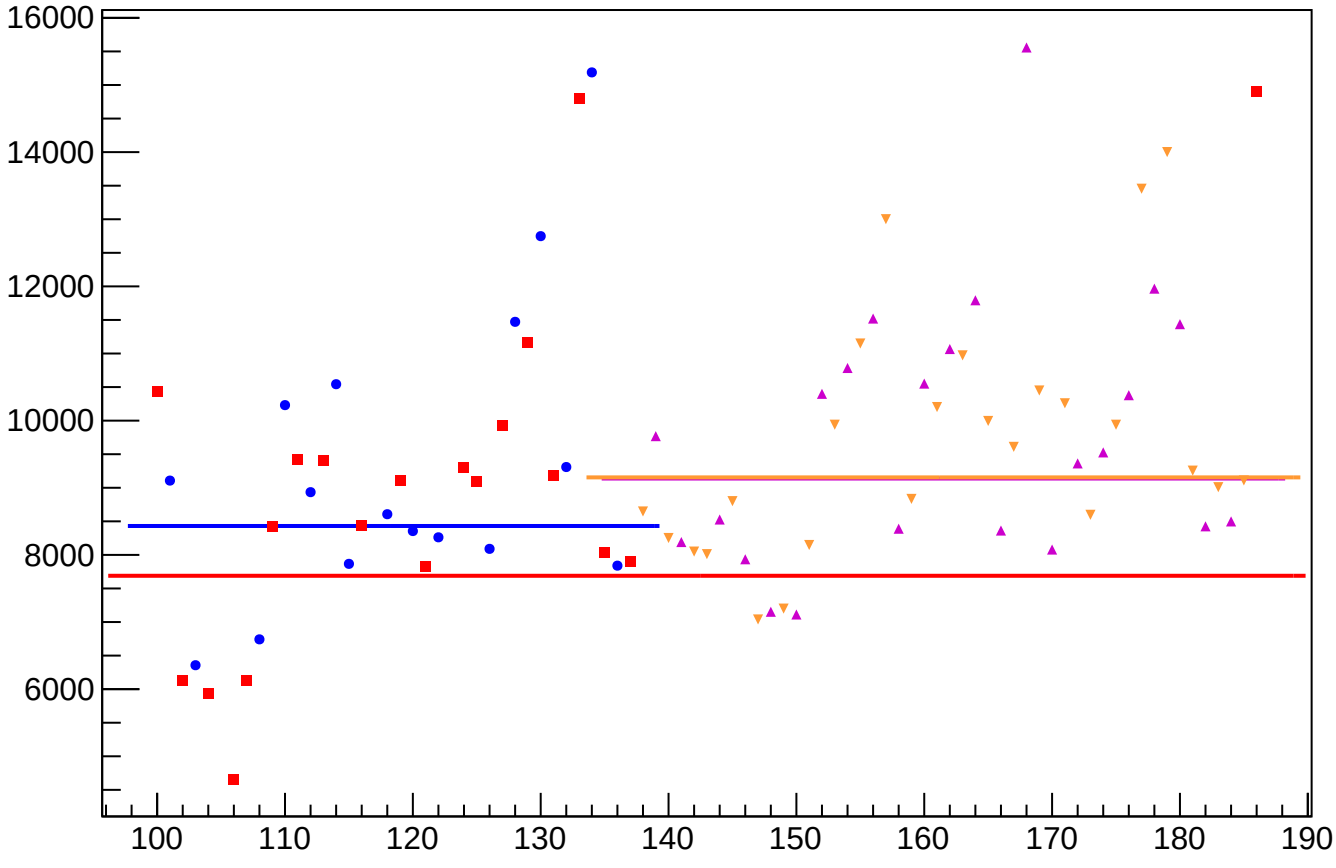
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

\+ sign -361.090+/-1771.070 χ^2/NDF: 41.2/40

All: 262.316+/-1237.554 χ^2/NDF: 77.4/83

\- sign 857.133+/-1729.984 χ^2/NDF: 36.0/42

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 7689.062+/-2.016 χ^2/NDF: 1169275.0/19

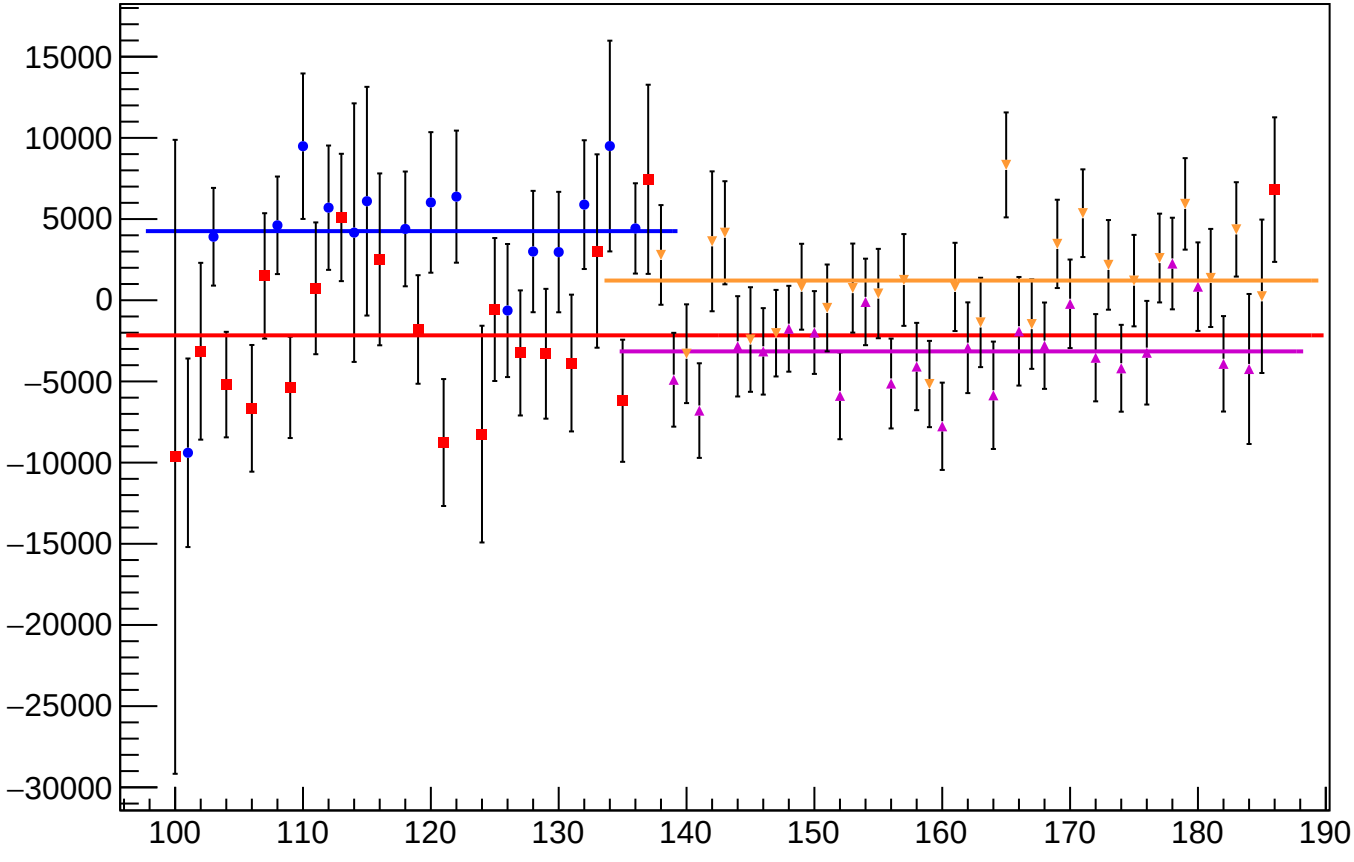
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 8934.525+/-1.252 χ^2/NDF: 1723086.1/40

All: 8765.555+/-0.875 χ^2/NDF: 4426879.4/83

- sign 8604.335+/-1.223 χ^2/NDF: 2668219.4/42

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -2162.073+/-944.079 χ^2/NDF: 21.9/19

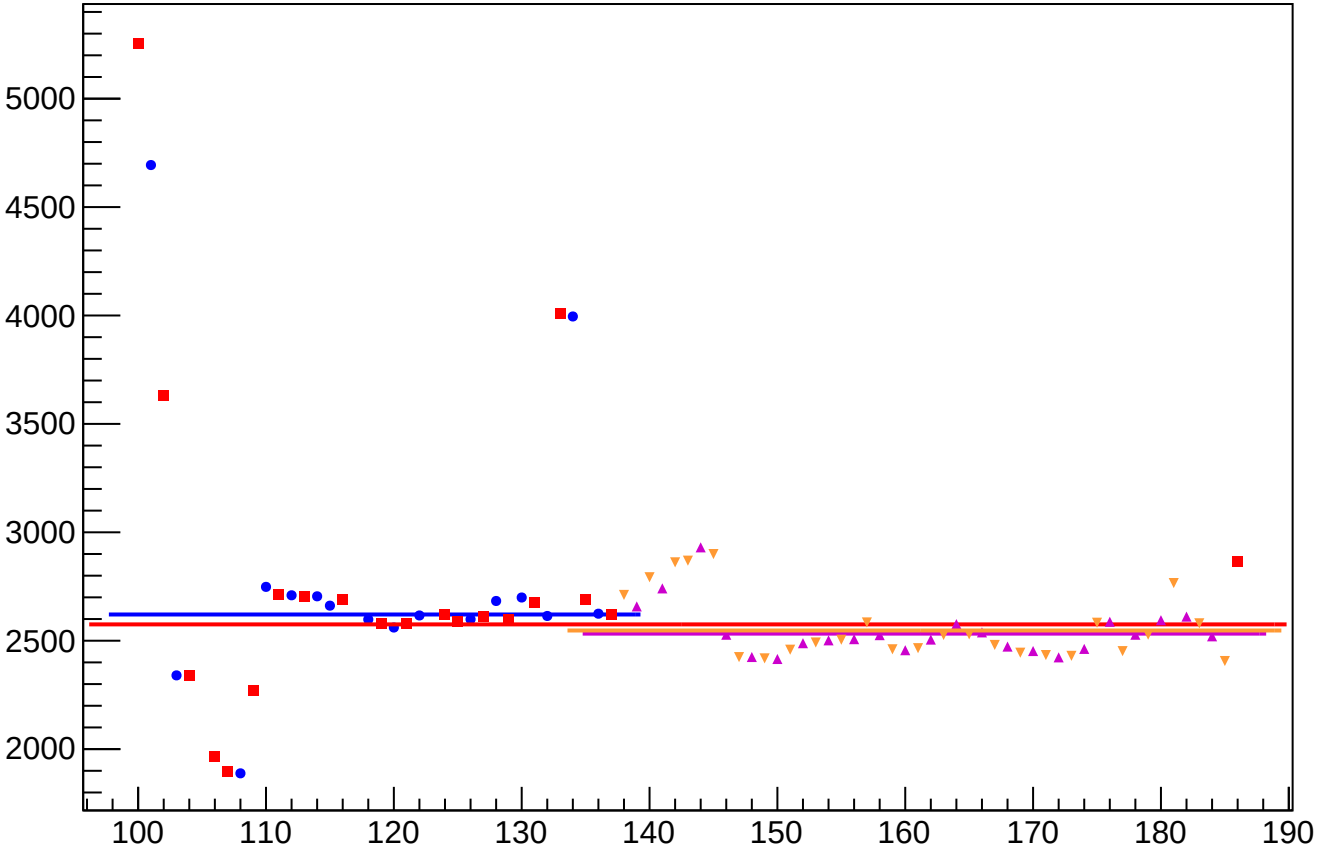
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 1990.216+/-500.314 χ^2/NDF: 43.9/40

All: -434.197+/-354.236 χ^2/NDF: 130.1/83

- sign -2871.284+/-501.620 χ^2/NDF: 39.1/42

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2575.293+/-0.667 χ^2/NDF: 387061.2/19

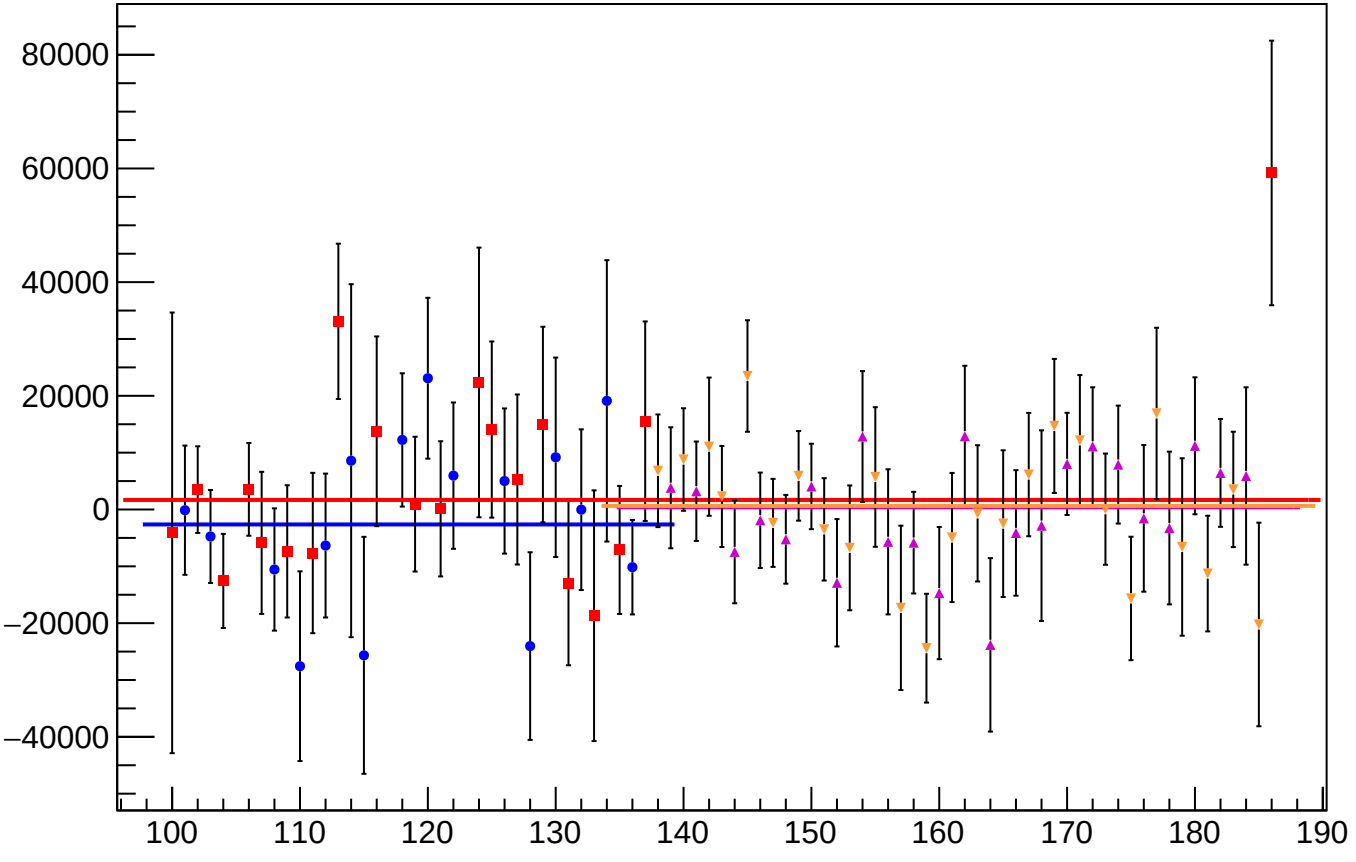
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2565.985+/-0.354 χ^2/NDF: 611484.0/40

All: 2555.412+/-0.250 χ^2/NDF: 1071690.5/83

- sign 2544.787+/-0.355 χ^2/NDF: 458415.7/42

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 1679.662+/-2851.285 χ^2/NDF: 21.6/19

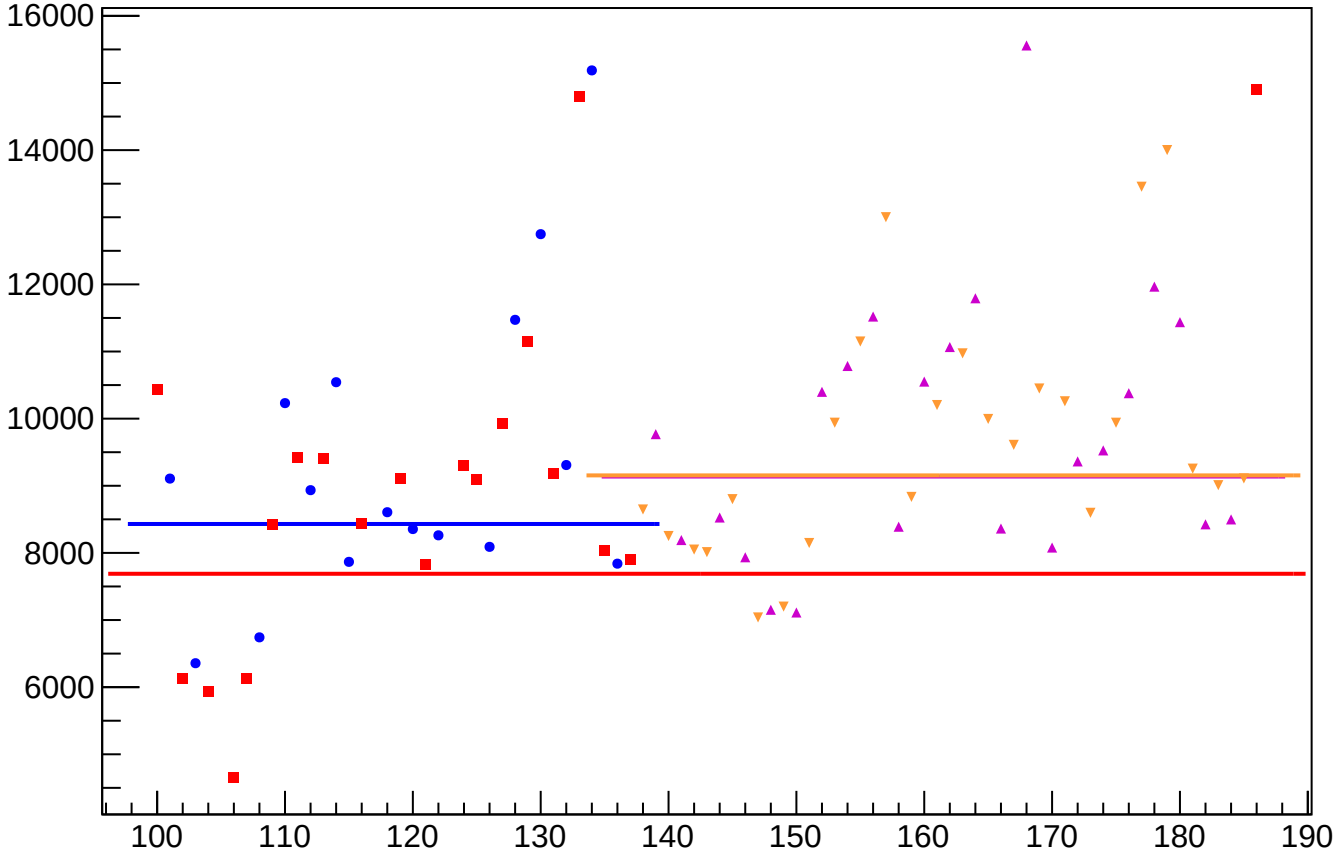
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign -361.087+/-1771.072 χ^2/NDF: 41.2/40

All: 262.320+/-1237.554 χ^2/NDF: 77.4/83

- sign 857.136+/-1729.984 χ^2/NDF: 36.0/42

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 7689.050+/-2.016 χ^2/NDF: 1169270.9/19

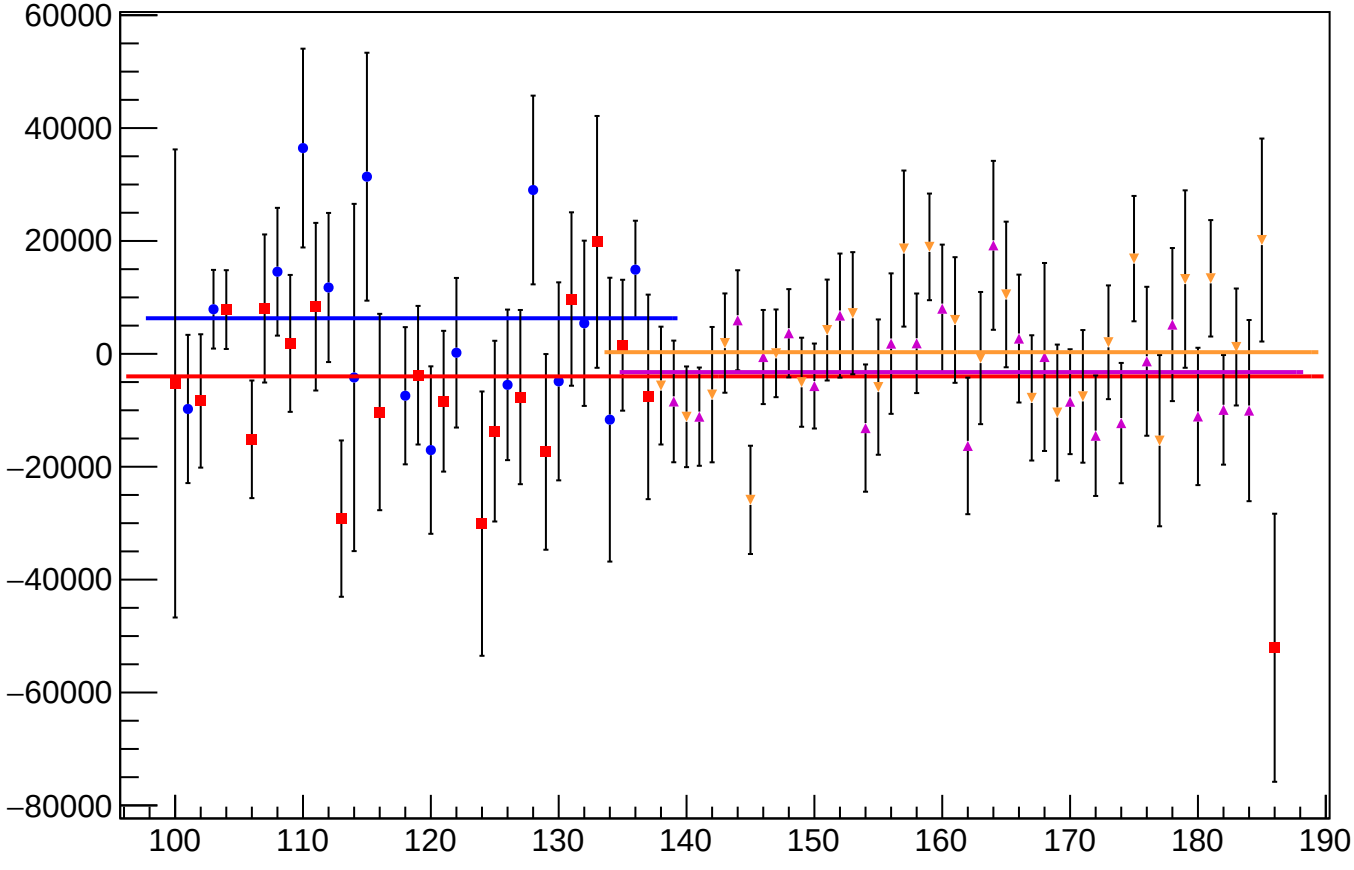
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 8934.531+/-1.252 χ^2/NDF: 1723087.2/40

All: 8765.560+/-0.875 χ^2/NDF: 4426892.9/83

- sign 8604.337+/-1.223 χ^2/NDF: 2668231.1/42

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -3992.167+/-3043.342 χ^2/NDF: 18.1/19

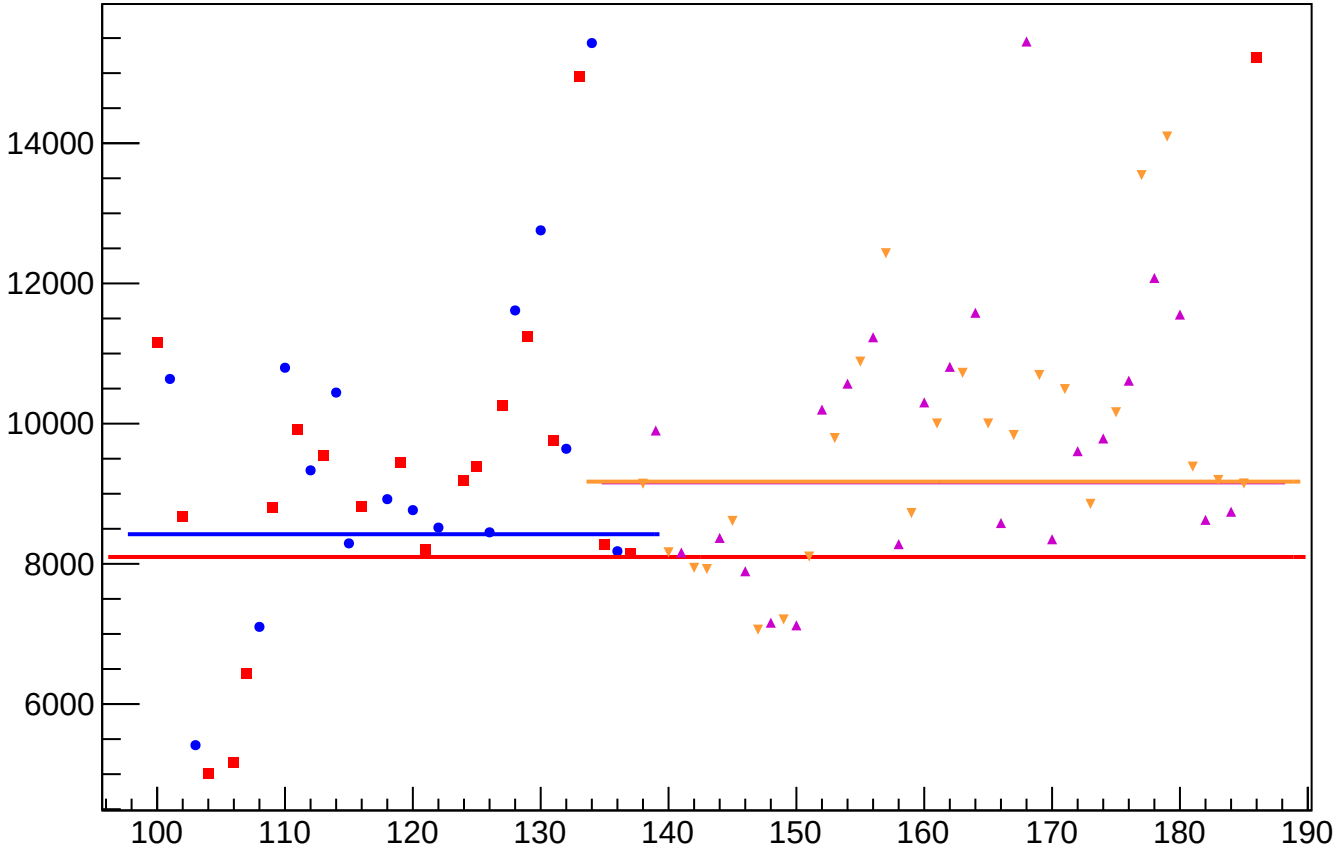
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 2103.993+/-1777.091 χ^2/NDF: 43.8/40

All: -701.220+/-1254.843 χ^2/NDF: 80.5/83

- sign -3490.858+/-1772.151 χ^2/NDF: 31.6/42

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 8097.939+/-2.152 χ^2/NDF: 1198987.8/19

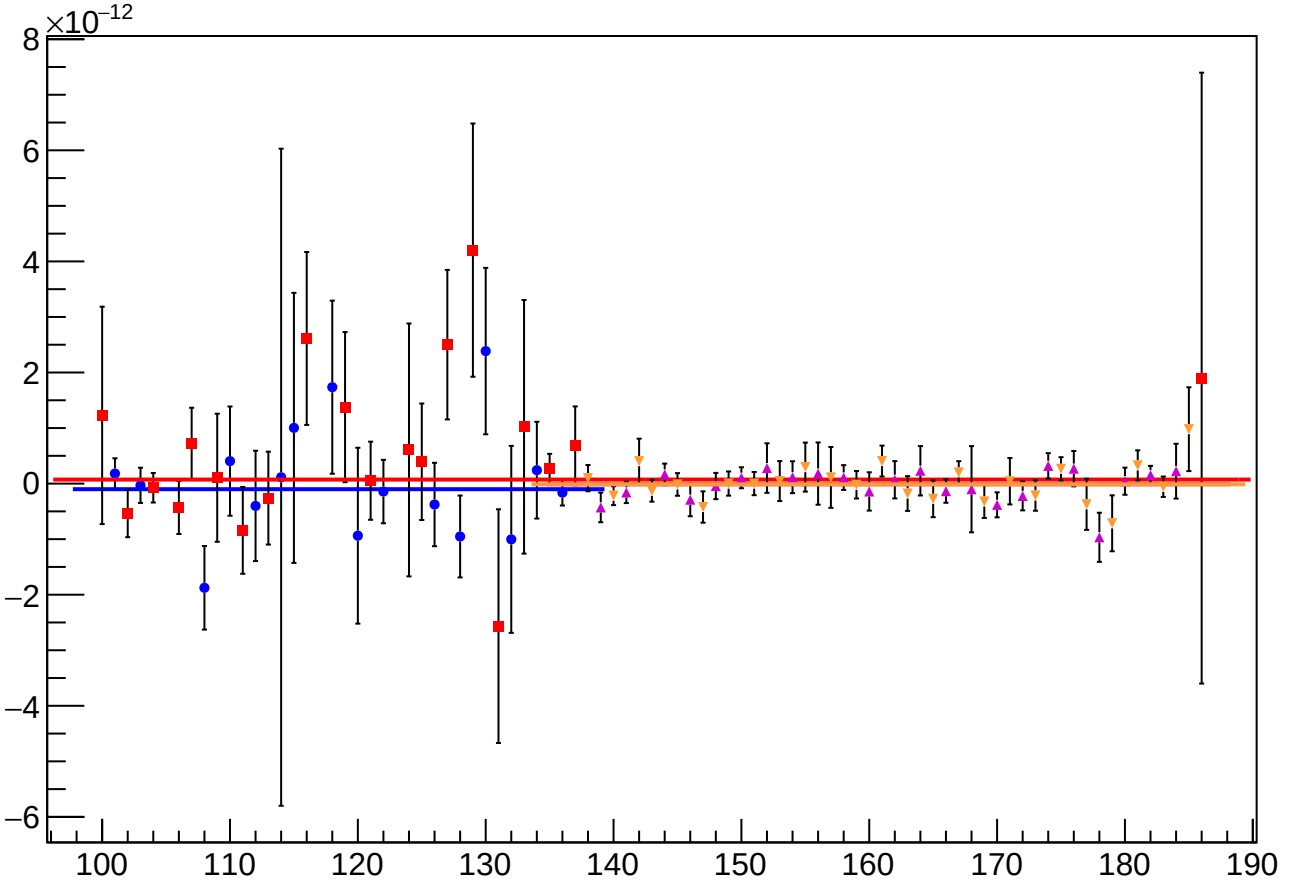
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 8947.125+/-1.257 χ^2/NDF: 2013737.9/40

All: 8874.046+/-0.887 χ^2/NDF: 4508681.3/83

- 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: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/19

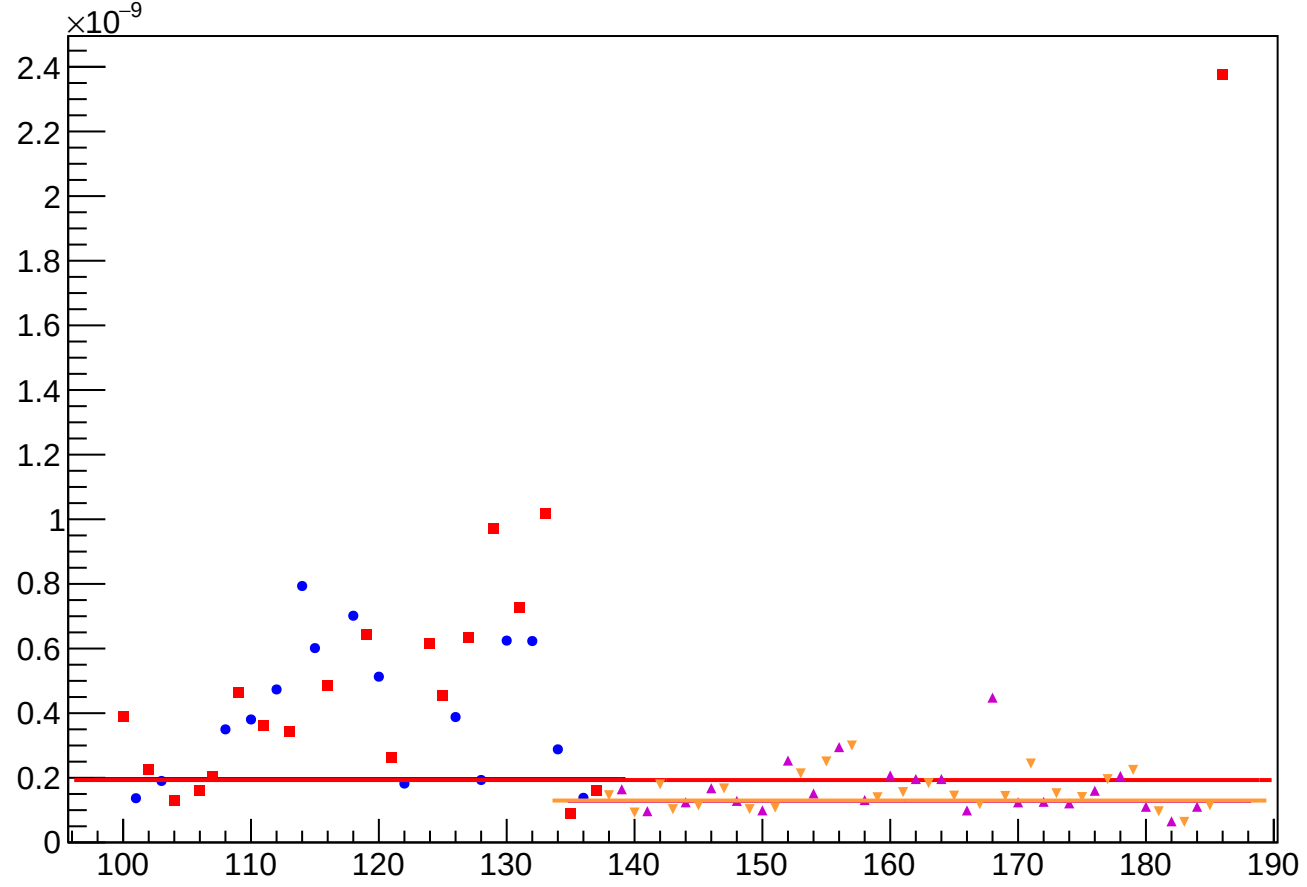
Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.4/40

All: -0.000+/-0.000 χ^2/NDF: 72.7/83

- 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: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

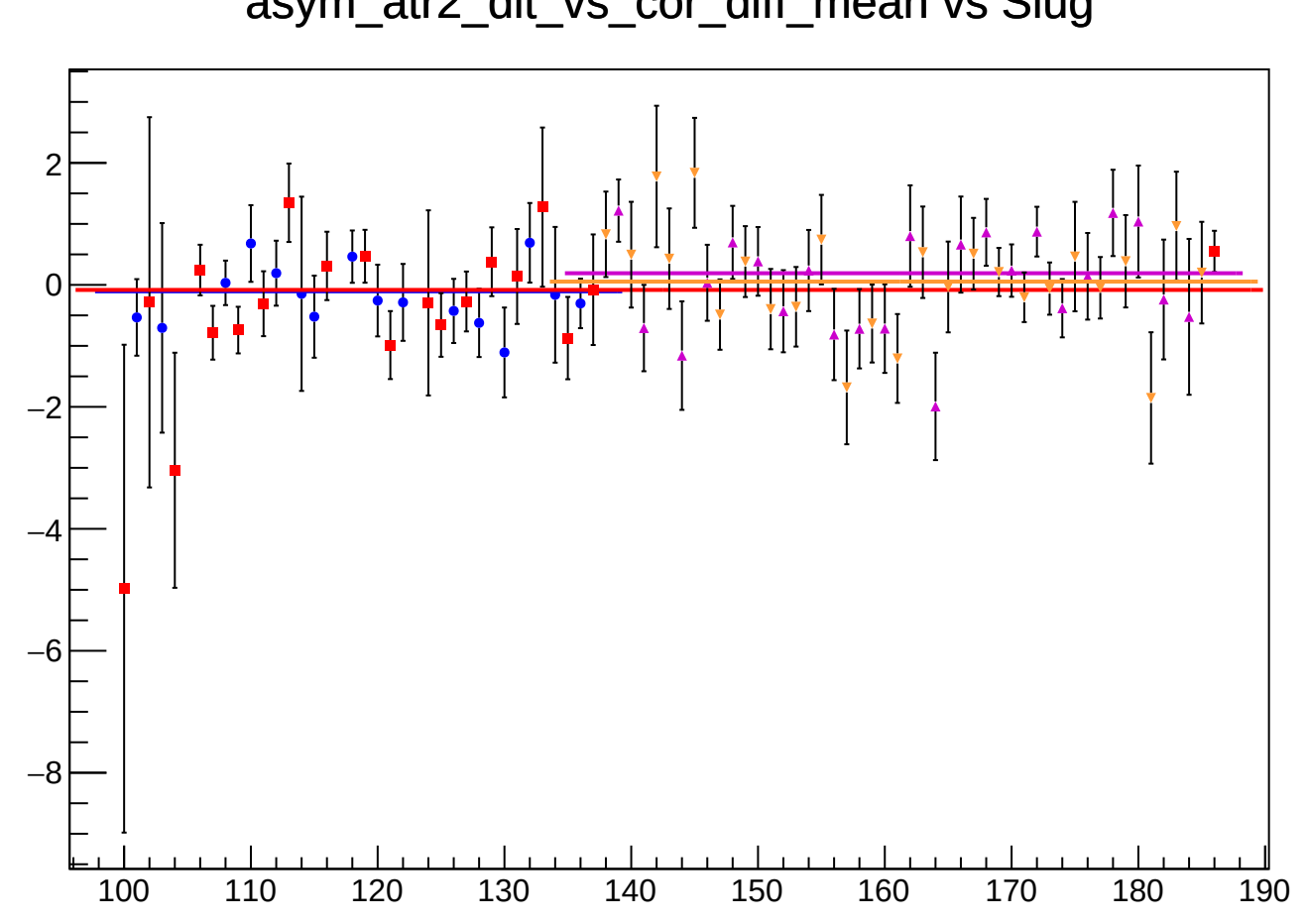
Right Out: 0.000+/-0.000 χ^2/NDF: 2381764.8/19

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3156406.5/40

All: 0.000+/-0.000 χ^2/NDF: 7431242.7/83

- sign 0.000+/-0.000 χ^2/NDF: 4273710.6/42



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.083+/-0.127 χ^2/NDF: 27.9/19

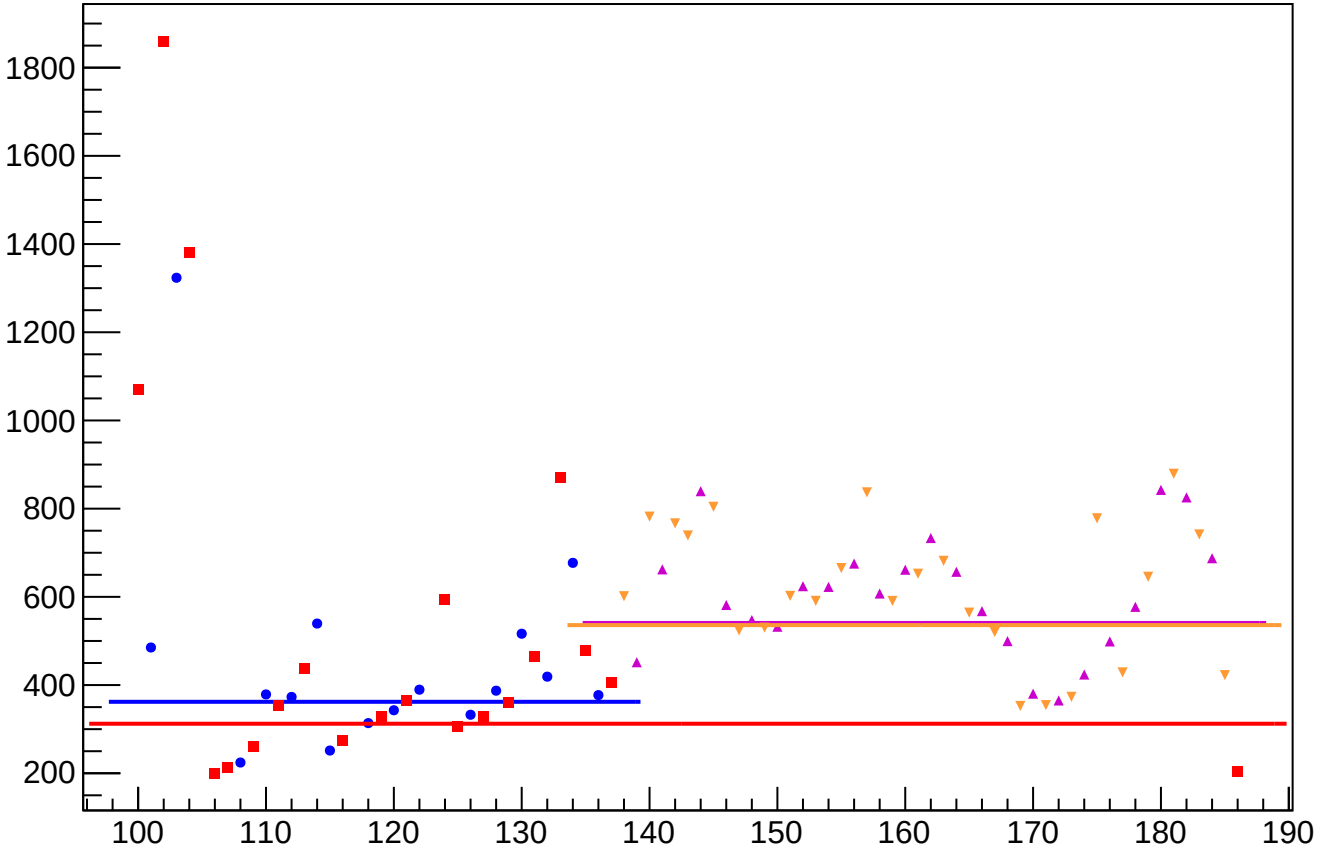
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.017+/-0.096 χ^2/NDF: 35.1/40

All: 0.017+/-0.067 χ^2/NDF: 96.6/83

- sign 0.048+/-0.092 χ^2/NDF: 61.3/42

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

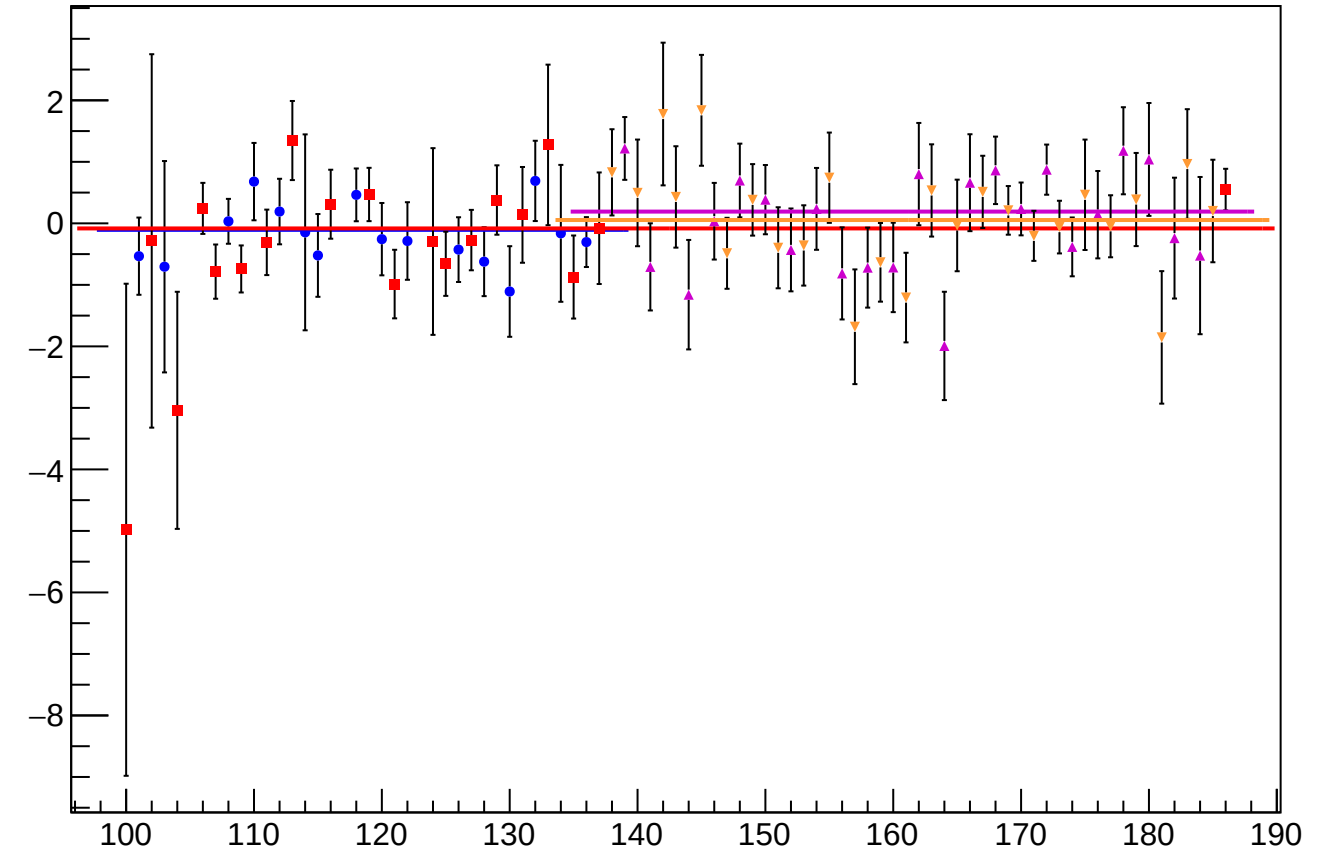
Right Out: 312.318+/-0.090 χ^2/NDF: 2482444.0/19

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 458.592+/-0.068 χ^2/NDF: 5731316.9/40

All: 439.137+/-0.047 χ^2/NDF: 13351128.4/83

- sign 421.449+/-0.065 χ^2/NDF: 7464602.8/42



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.083+/-0.127 χ^2/NDF: 27.9/19

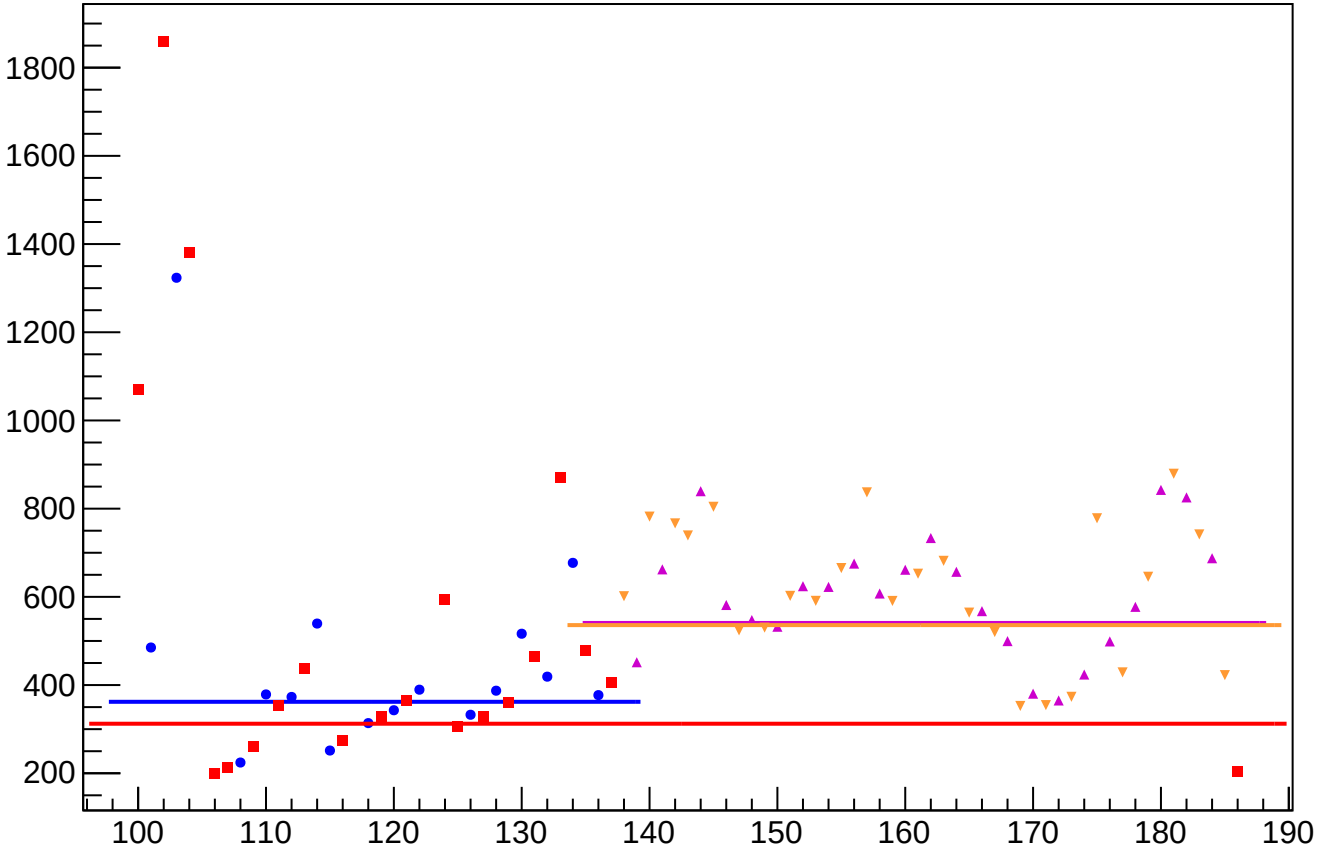
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.017+/-0.096 χ^2/NDF: 35.1/40

All: 0.017+/-0.067 χ^2/NDF: 96.6/83

- sign 0.048+/-0.092 χ^2/NDF: 61.3/42

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

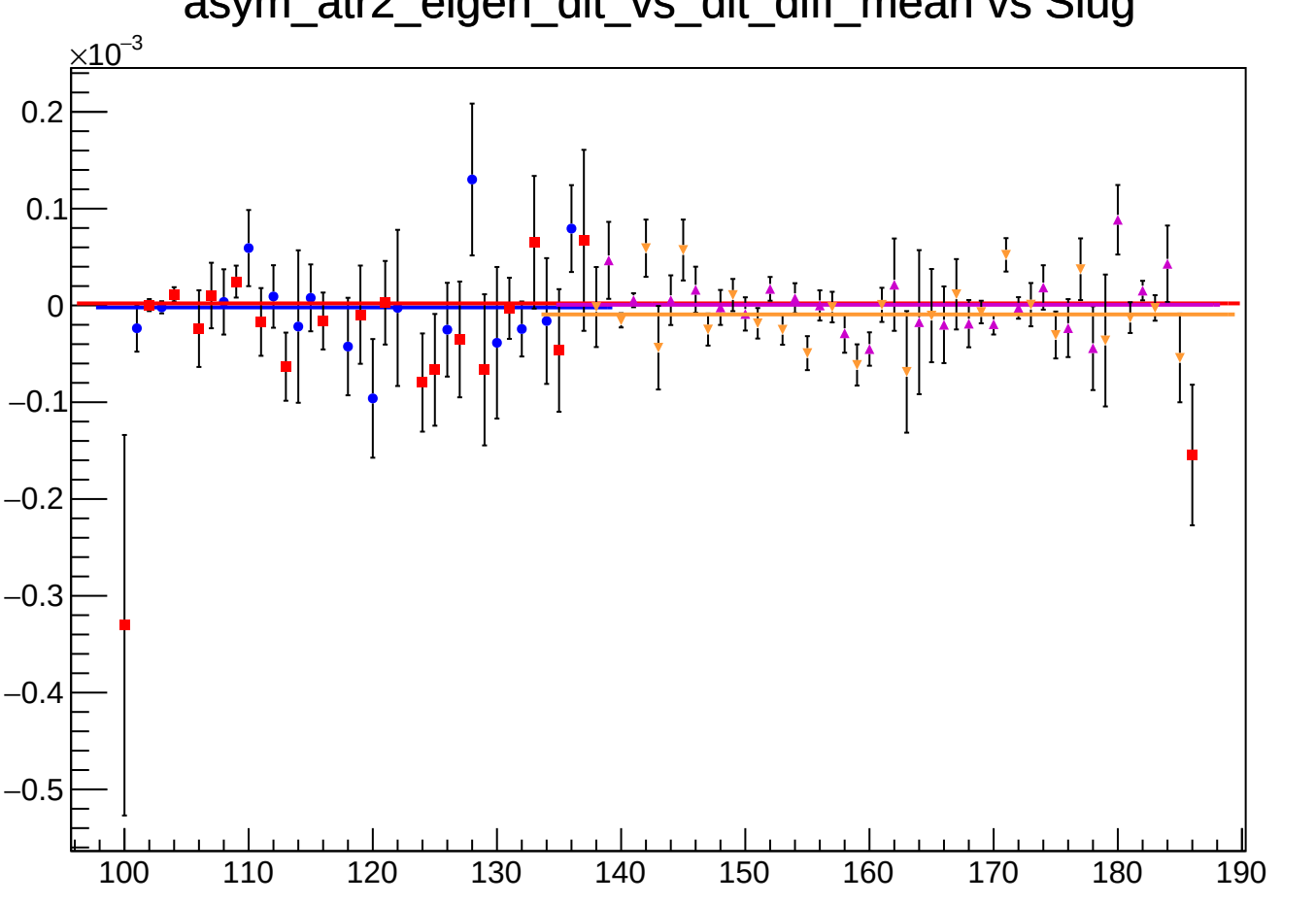
Right Out: 312.318+/-0.090 χ^2/NDF: 2482444.0/19

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 458.592+/-0.068 χ^2/NDF: 5731316.9/40

All: 439.137+/-0.047 χ^2/NDF: 13351128.4/83

- sign 421.449+/-0.065 χ^2/NDF: 7464602.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

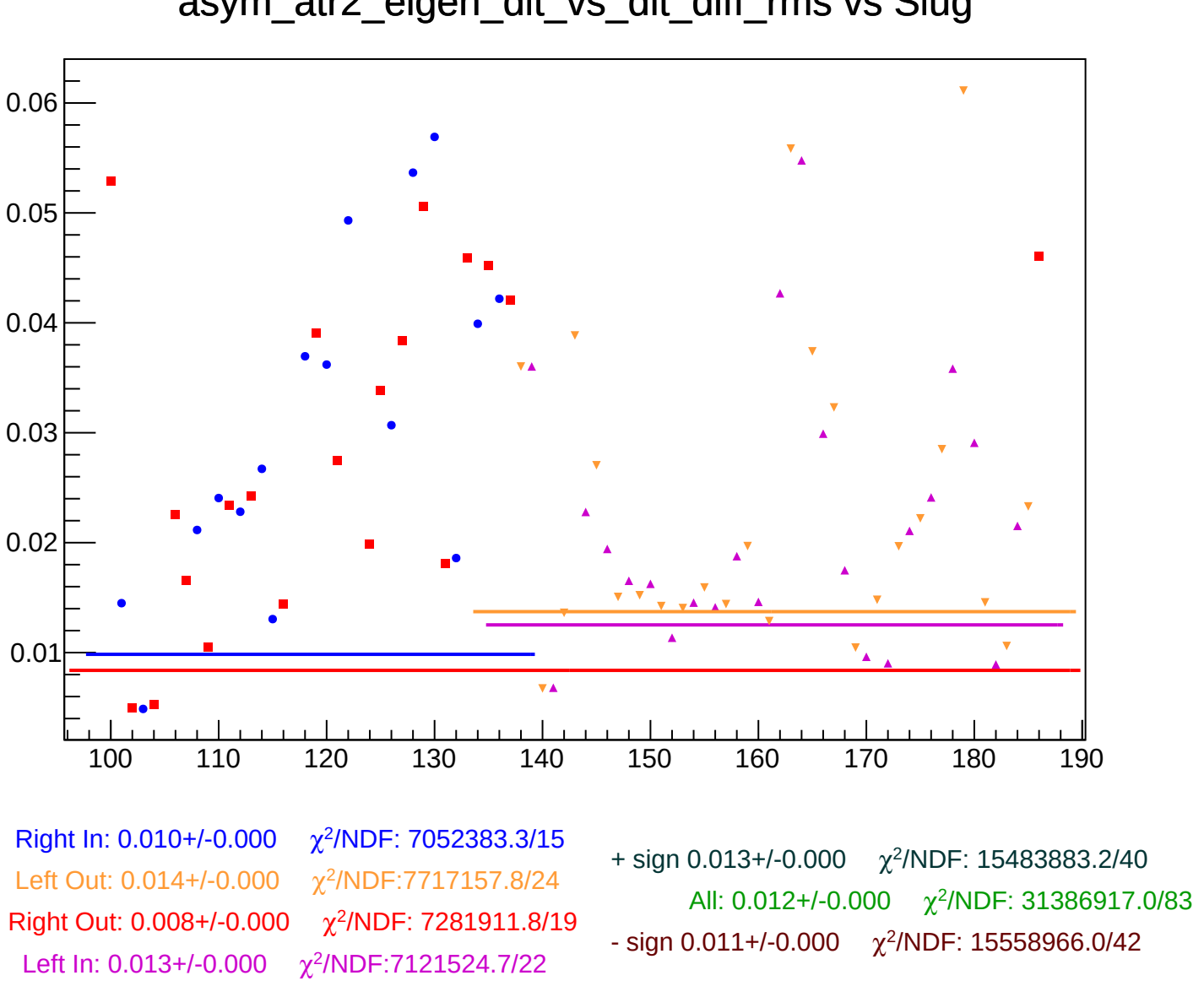
Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/19

Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

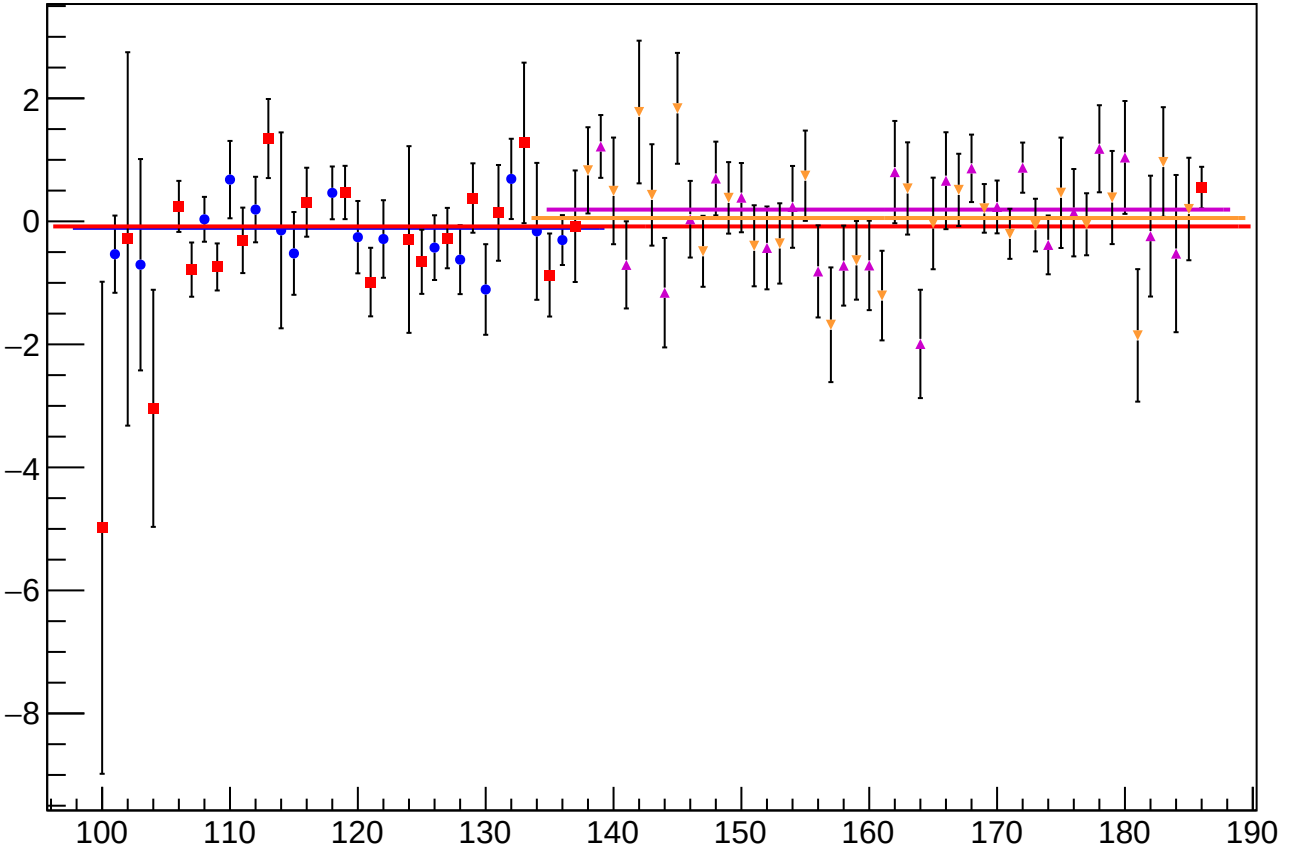
+ sign -0.000+/-0.000 χ^2/NDF: 60.2/40

All: -0.000+/-0.000 χ^2/NDF: 117.4/83

- sign 0.000+/-0.000 χ^2/NDF: 52.9/42


asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug
0.06
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
180
190
Right In: 0.010+/-0.000 χ²/NDF: 7052383.3/15
Left Out: 0.014+/-0.000 χ²/NDF:7717157.8/24
Right Out: 0.008+/-0.000 χ²/NDF: 7281911.8/19
Left In: 0.013+/-0.000 χ²/NDF:7121524.7/22
+ sign 0.013+/-0.000 χ²/NDF: 15483883.2/40
All: 0.012+/-0.000 χ²/NDF: 31386917.0/83
- sign 0.011+/-0.000 χ²/NDF: 15558966.0/42

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.083+/-0.127 χ^2/NDF: 27.9/19

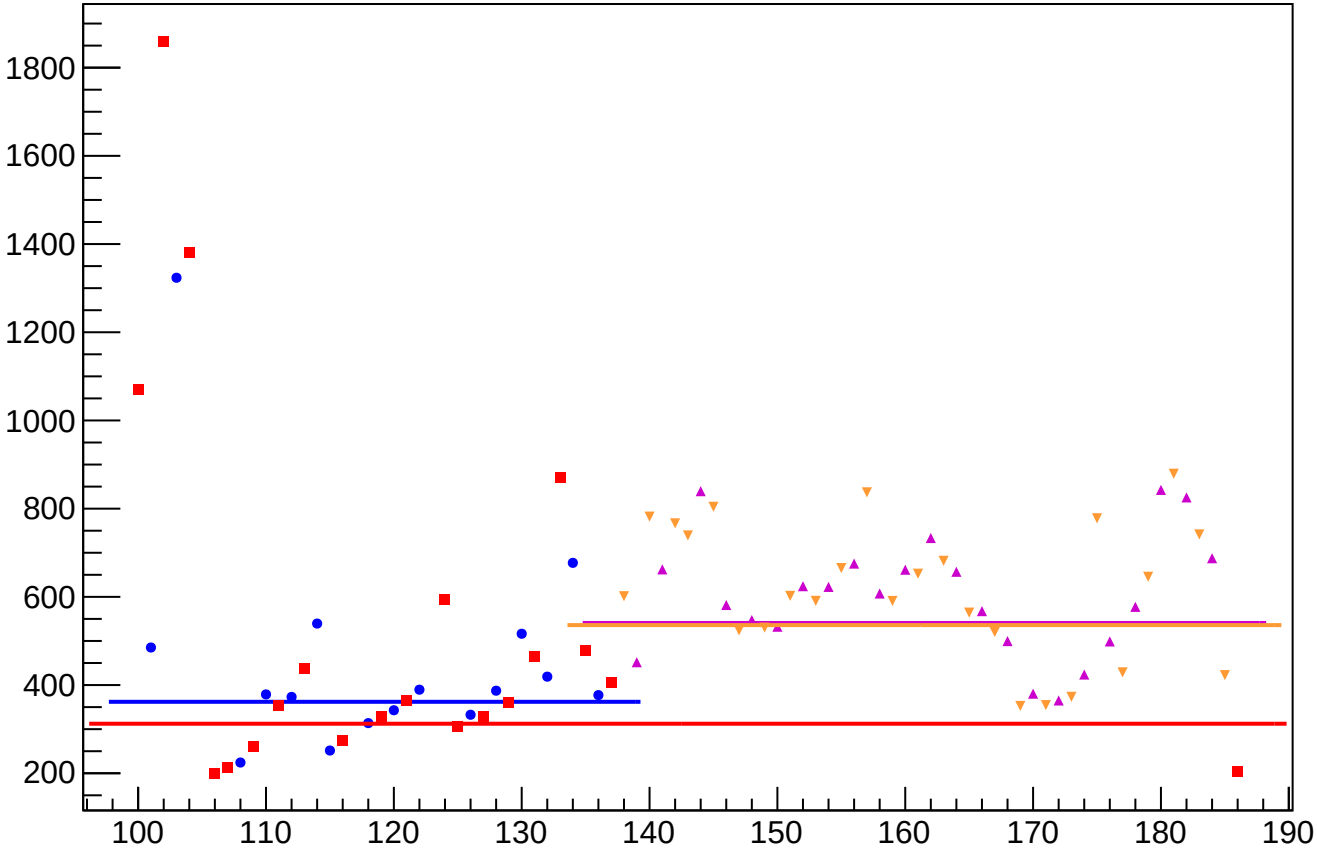
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.017+/-0.096 χ^2/NDF: 35.1/40

All: 0.017+/-0.067 χ^2/NDF: 96.6/83

- sign 0.048+/-0.092 χ^2/NDF: 61.3/42

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

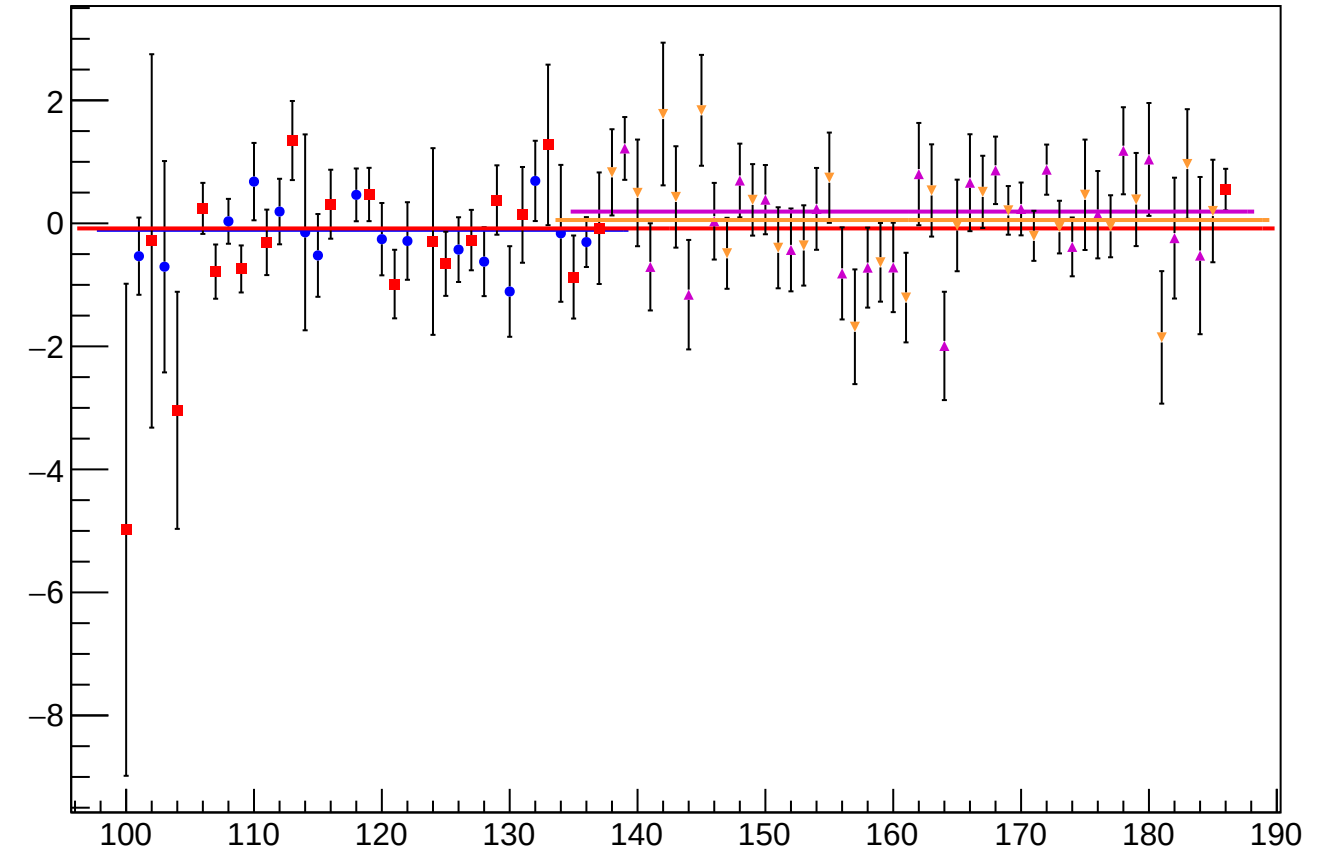
Right Out: 312.319+/-0.090 χ^2/NDF: 2482374.4/19

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 458.592+/-0.068 χ^2/NDF: 5731533.4/40

All: 439.139+/-0.047 χ^2/NDF: 13351341.8/83

- sign 421.452+/-0.065 χ^2/NDF: 7464622.0/42



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

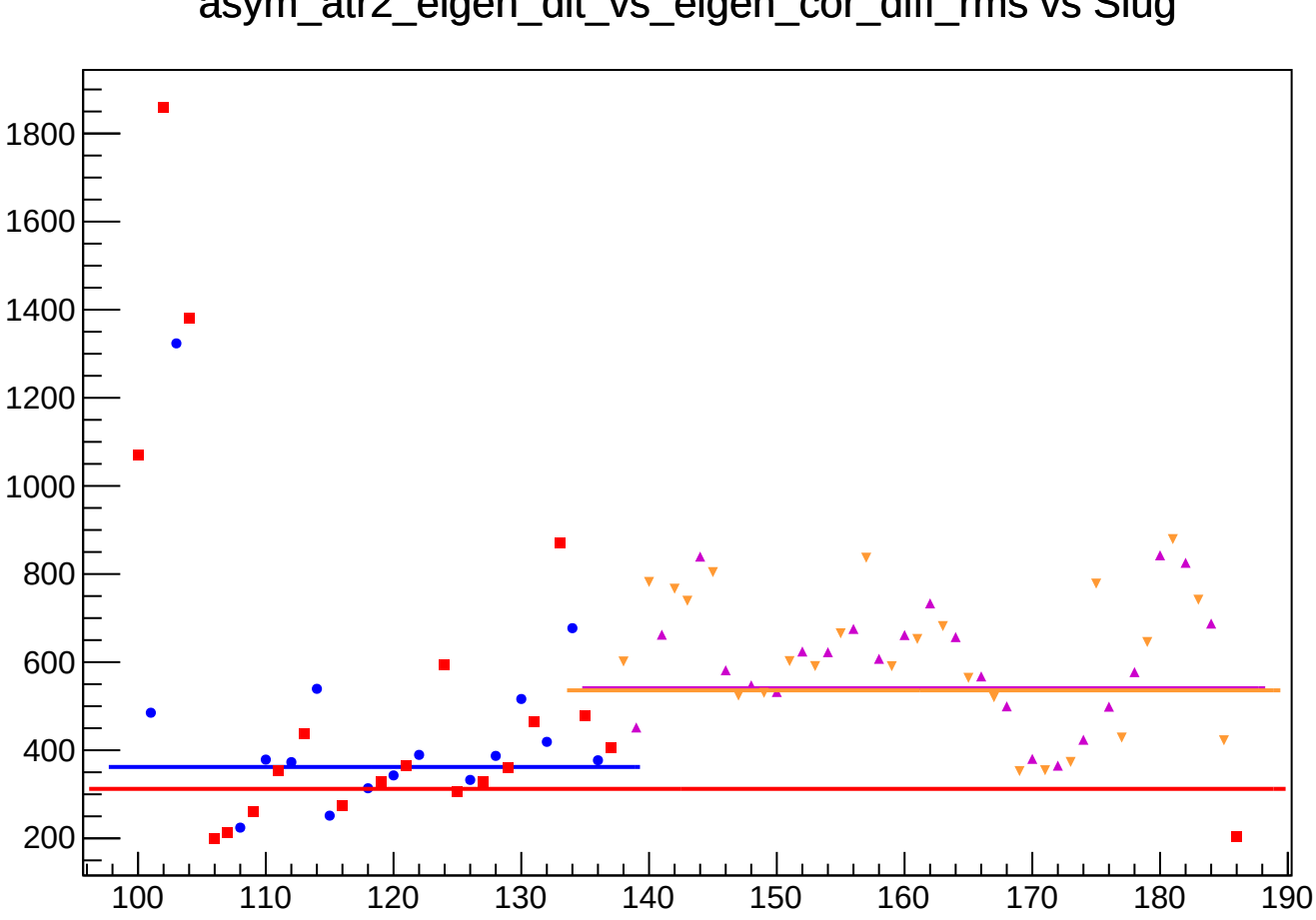
Right Out: -0.083+/-0.127 χ^2/NDF: 27.9/19

Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.017+/-0.096 χ^2/NDF: 35.1/40

All: 0.017+/-0.067 χ^2/NDF: 96.6/83

- sign 0.048+/-0.092 χ^2/NDF: 61.3/42



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 312.319+/-0.090 χ^2/NDF: 2482374.4/19

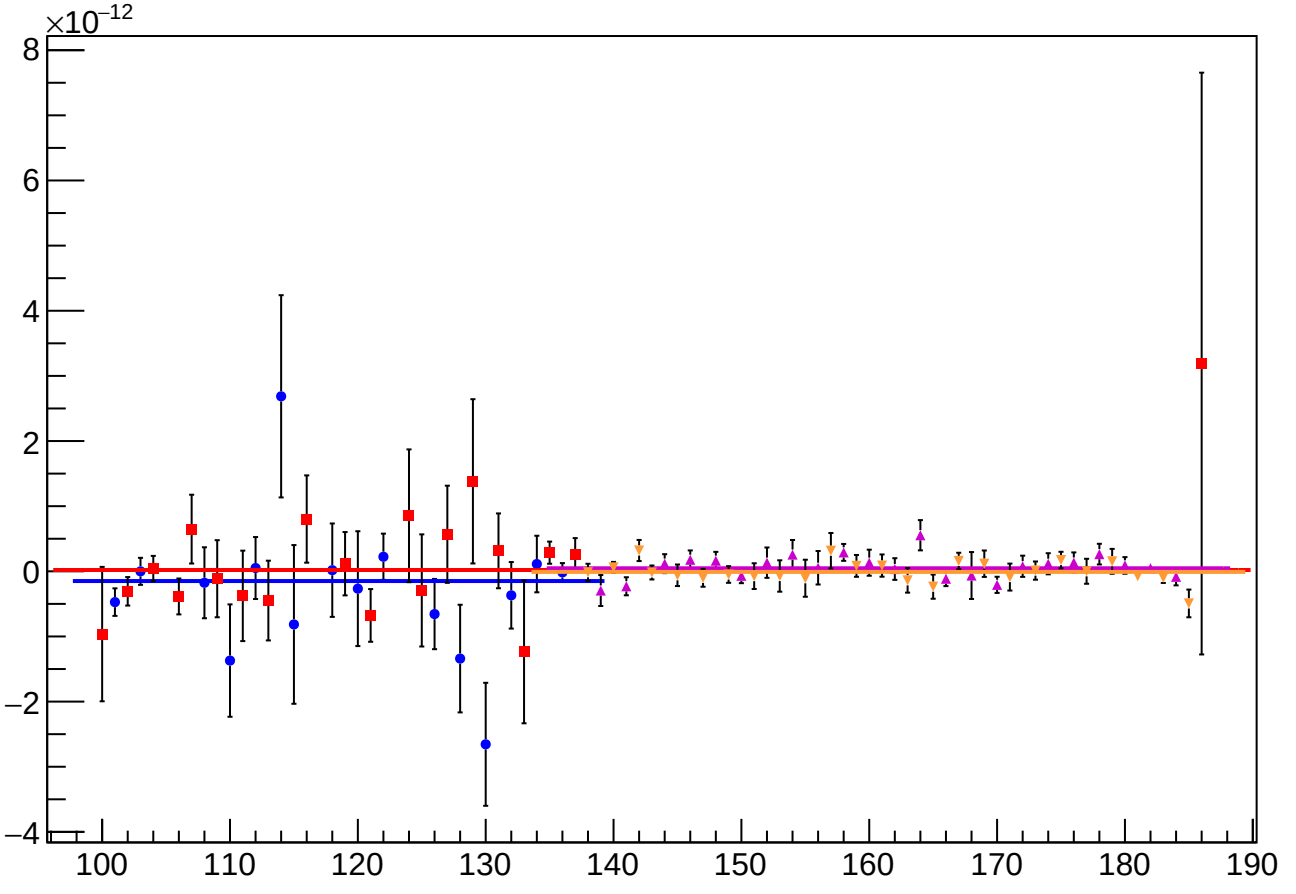
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 458.592+/-0.068 χ^2/NDF: 5731533.4/40

All: 439.139+/-0.047 χ^2/NDF: 13351341.8/83

- 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: 21.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

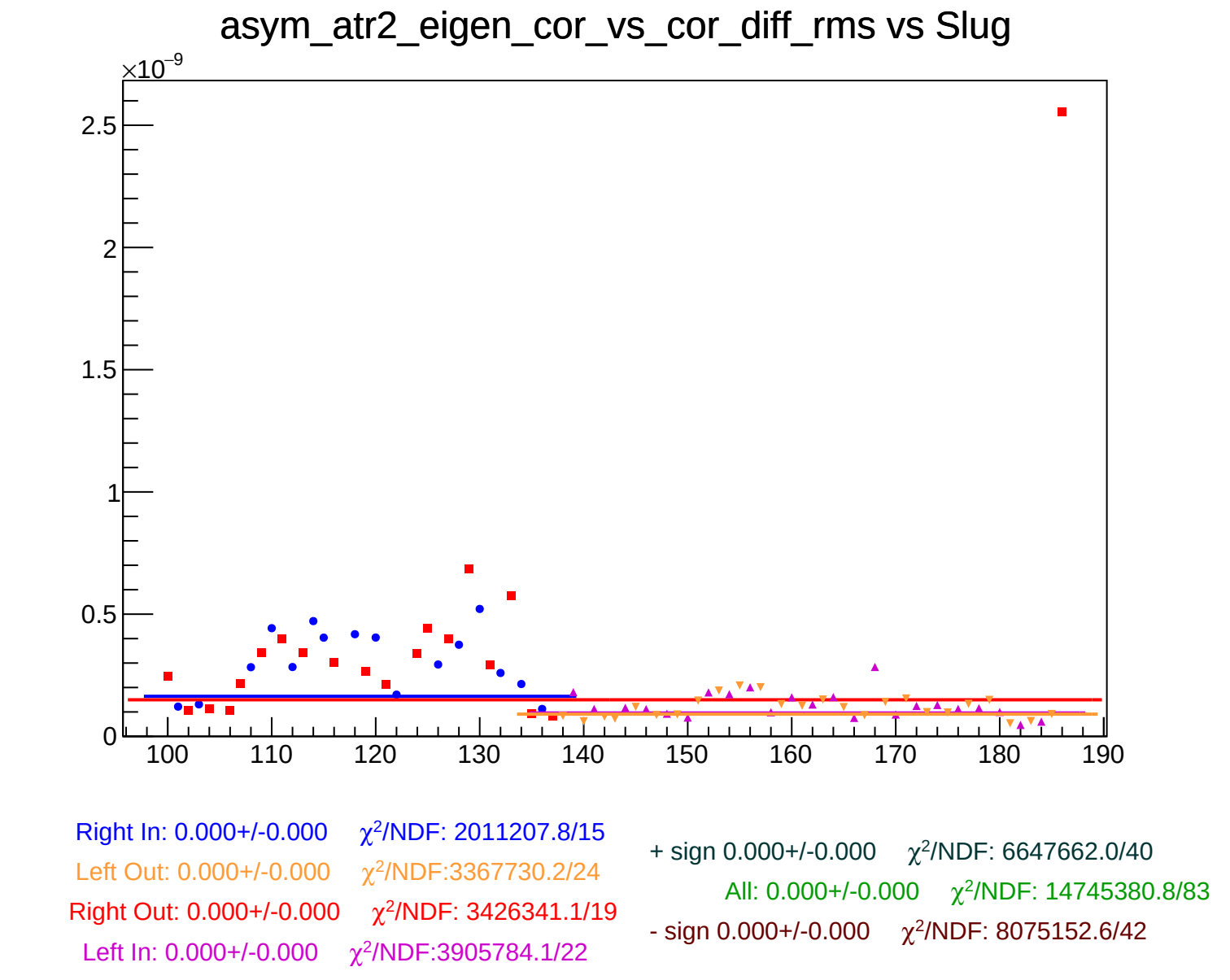
Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/19

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

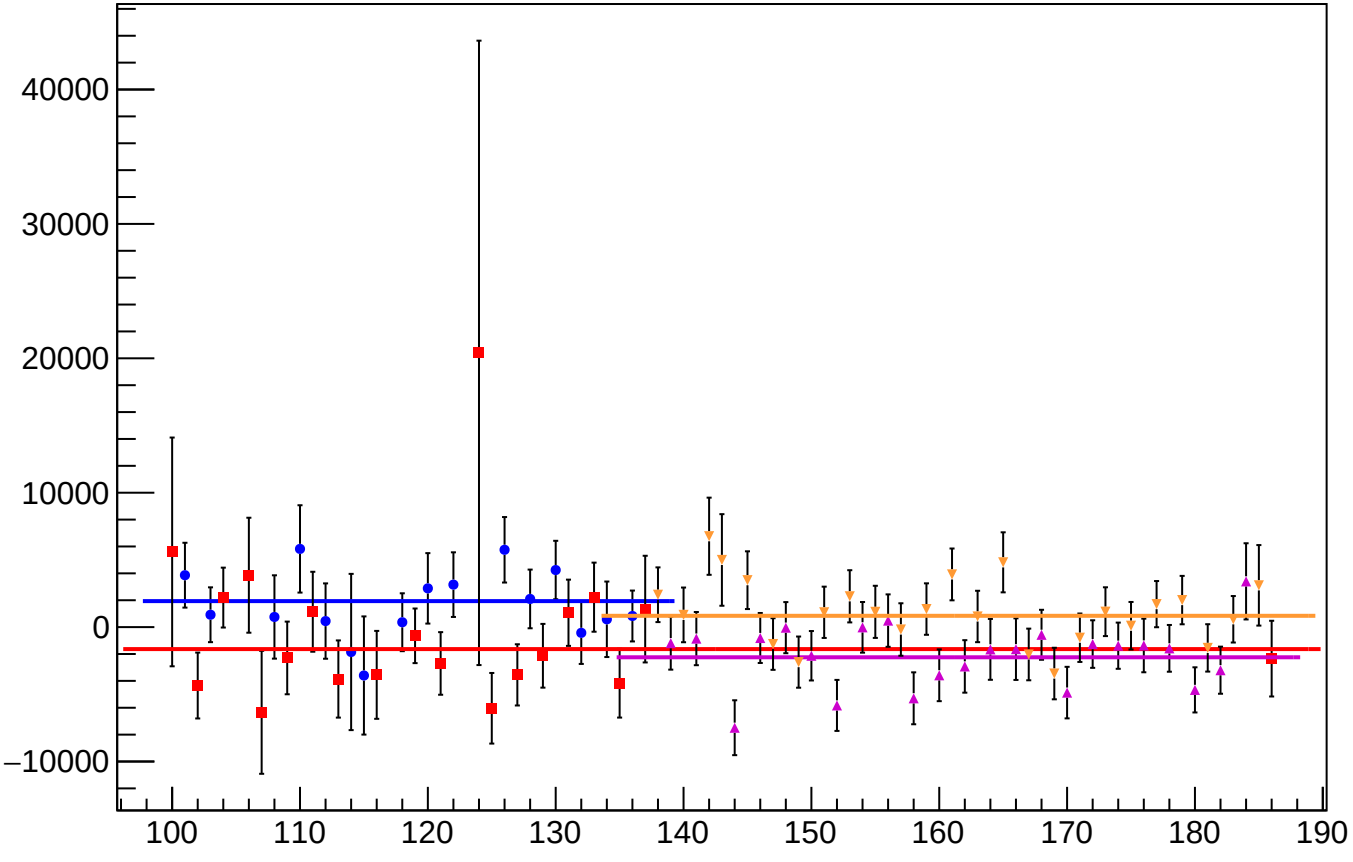
+ sign -0.000+/-0.000 χ^2/NDF: 45.7/40

All: 0.000+/-0.000 χ^2/NDF: 96.9/83

- sign 0.000+/-0.000 χ^2/NDF: 48.2/42


asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
2.5
2
1.5
1
0.5
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2011207.8/15
Left Out: 0.000+/-0.000 χ²/NDF:3367730.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 3426341.1/19
Left In: 0.000+/-0.000 χ²/NDF:3905784.1/22
+ sign 0.000+/-0.000 χ²/NDF: 6647662.0/40
All: 0.000+/-0.000 χ²/NDF: 14745380.8/83
- sign 0.000+/-0.000 χ²/NDF: 8075152.6/42

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1634.911+/-626.135 χ^2/NDF: 19.5/19

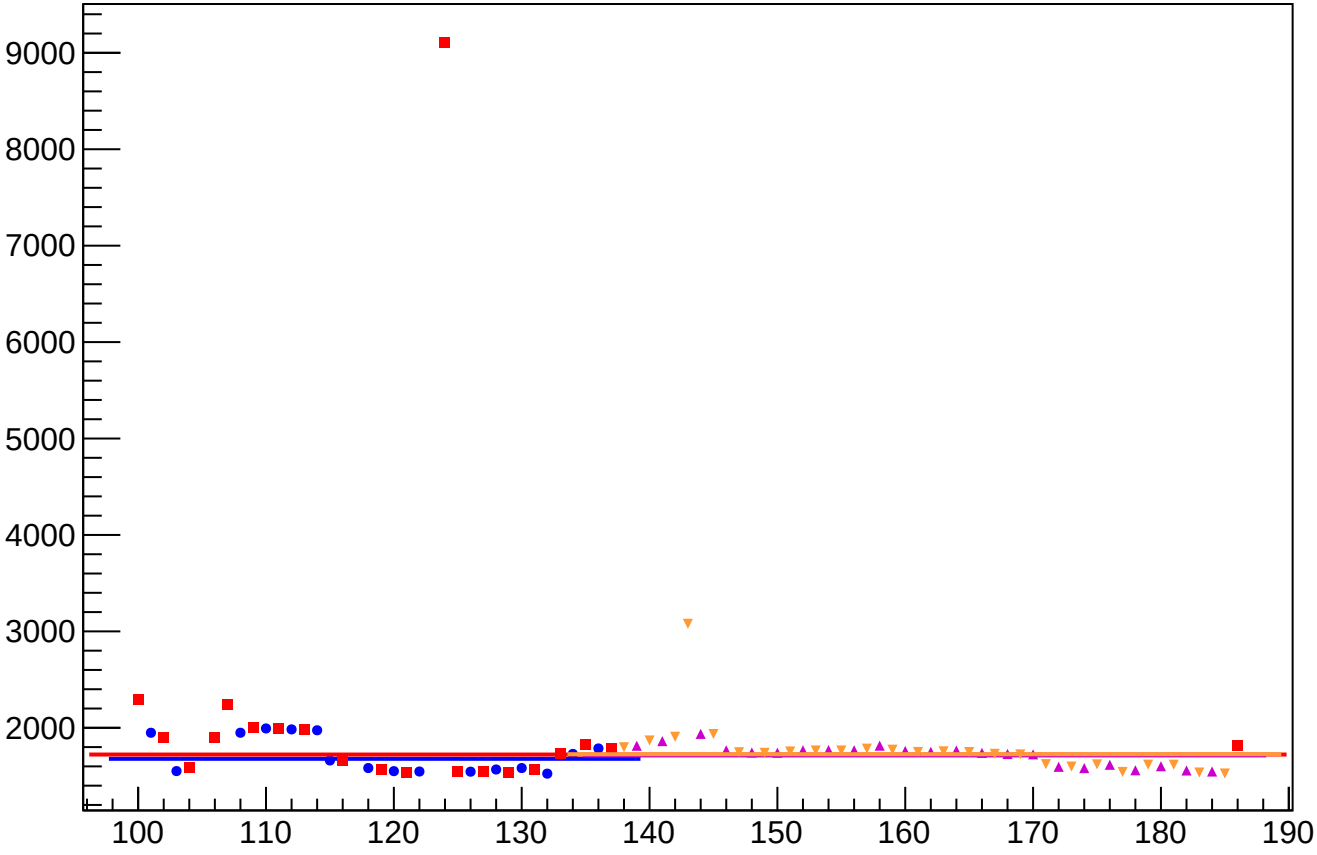
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1150.922+/-334.004 χ^2/NDF: 43.4/40

All: -441.473+/-237.415 χ^2/NDF: 138.9/83

- sign -2067.734+/-337.537 χ^2/NDF: 49.6/42

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1722.893+/-0.441 χ^2/NDF: 385276.6/19

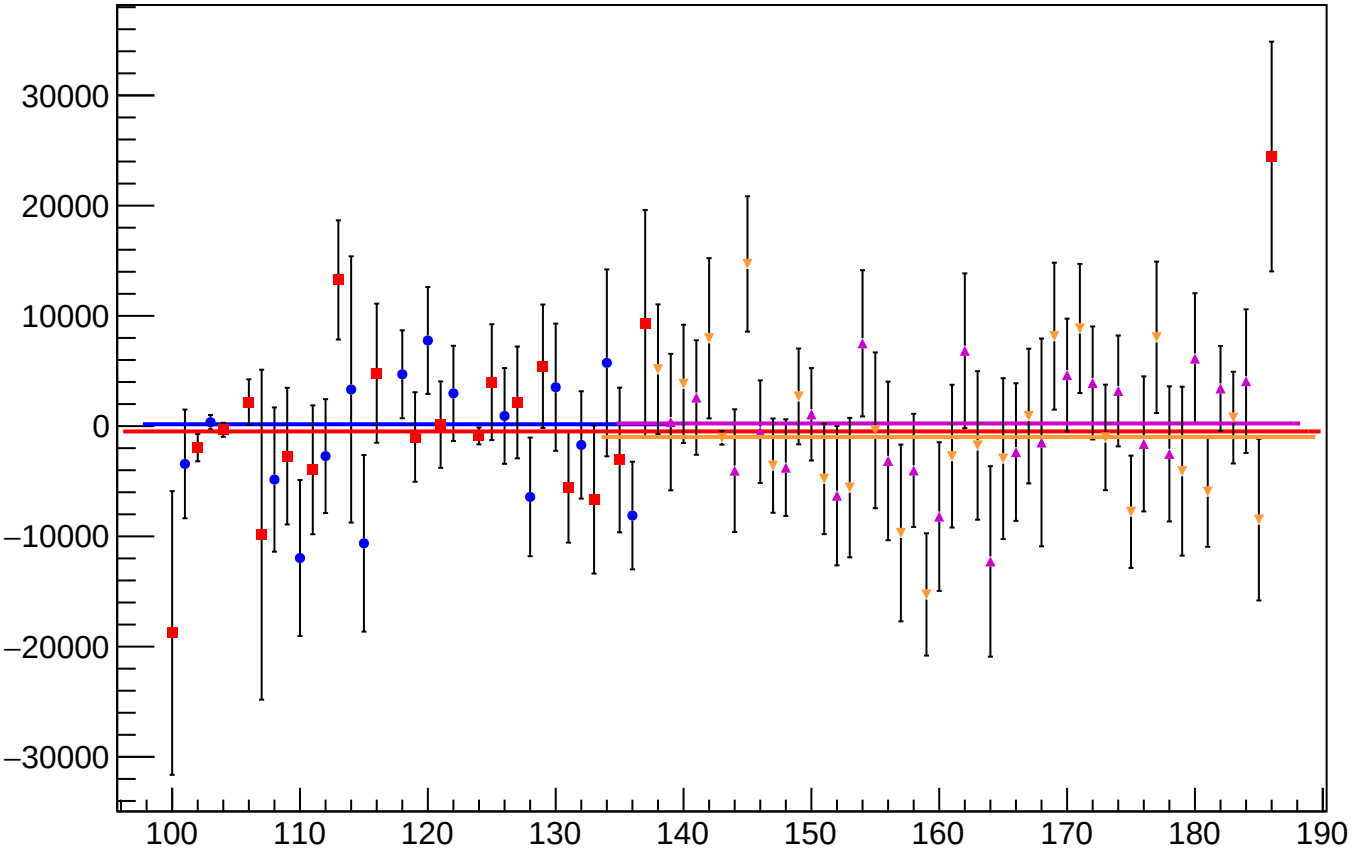
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1712.612+/-0.236 χ^2/NDF: 604626.1/40

All: 1714.292+/-0.168 χ^2/NDF: 1119640.7/83

- sign 1716.003+/-0.238 χ^2/NDF: 514912.5/42

asym_atl_avg_reg_correction_mean vs Slug



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -479.643+/-424.430 χ^2/NDF: 24.3/19

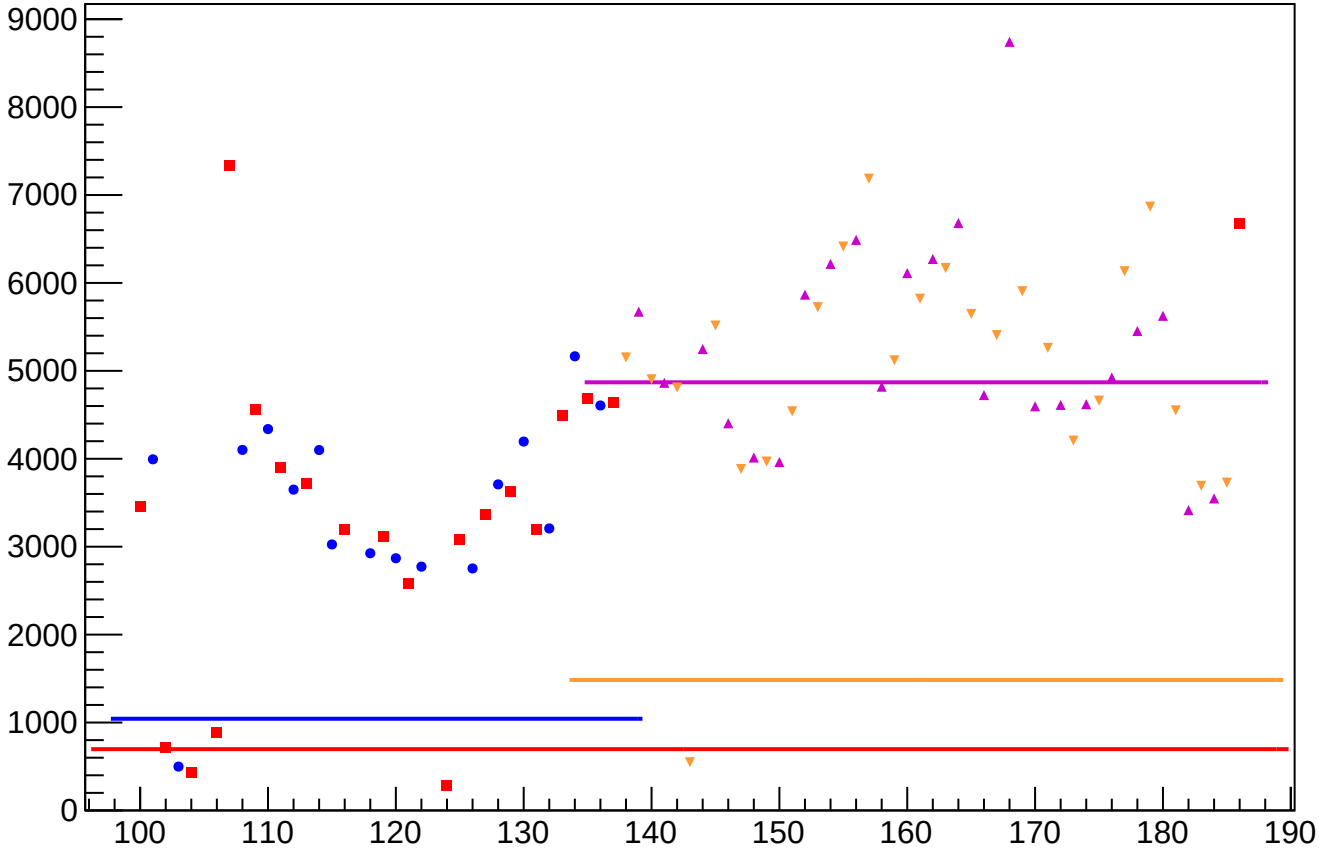
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -460.949+/-399.340 χ^2/NDF: 48.7/40

All: -428.116+/-282.182 χ^2/NDF: 86.9/83

- sign -395.373+/-398.791 χ^2/NDF: 38.2/42

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 697.265+/-0.300 χ^2/NDF: 9290970.6/19

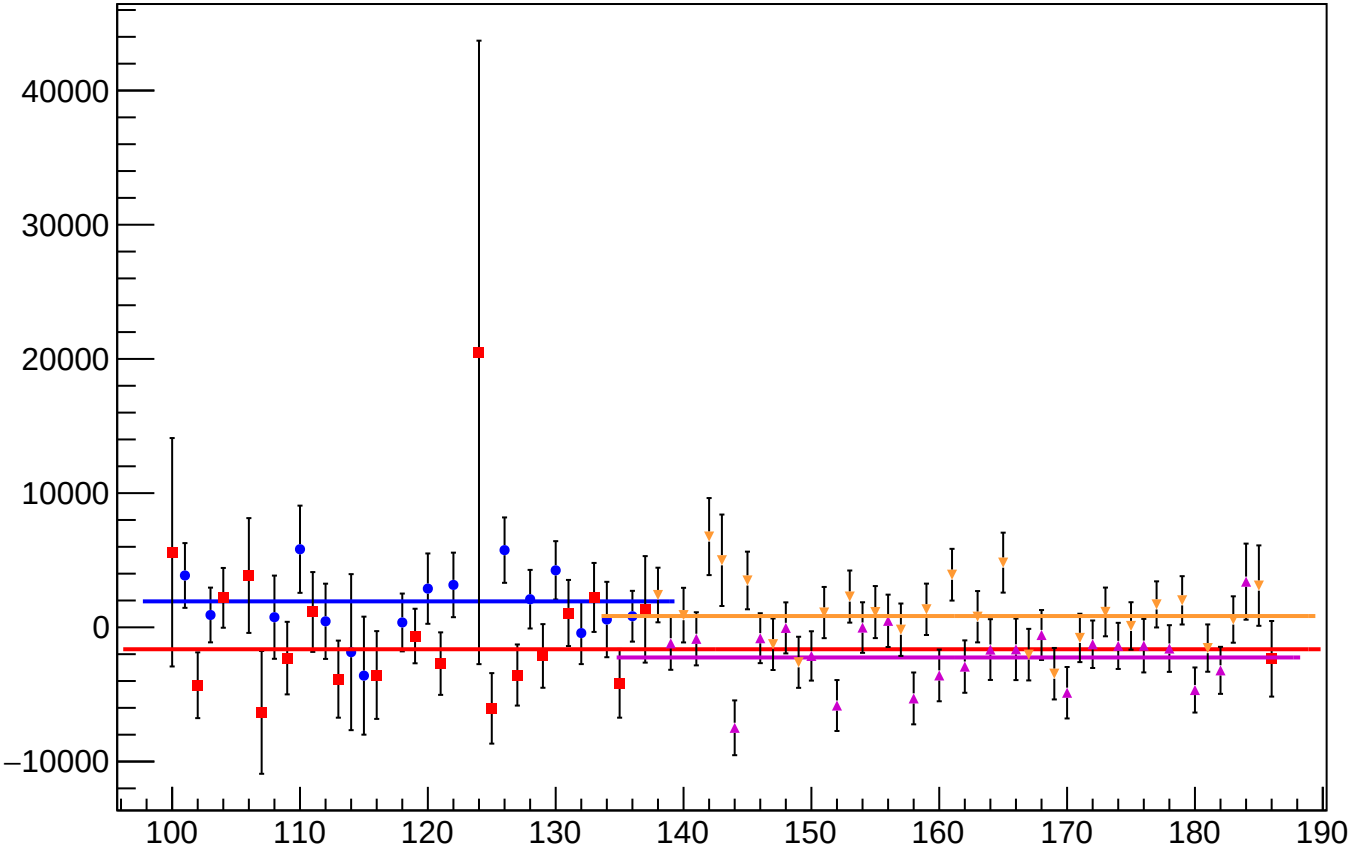
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1283.424+/-0.282 χ^2/NDF: 31943032.9/40

All: 1234.714+/-0.200 χ^2/NDF: 65414252.6/8

- sign 1186.137+/-0.282 χ^2/NDF: 33411787.1/42

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1632.582+/-626.140 χ^2/NDF: 19.4/19

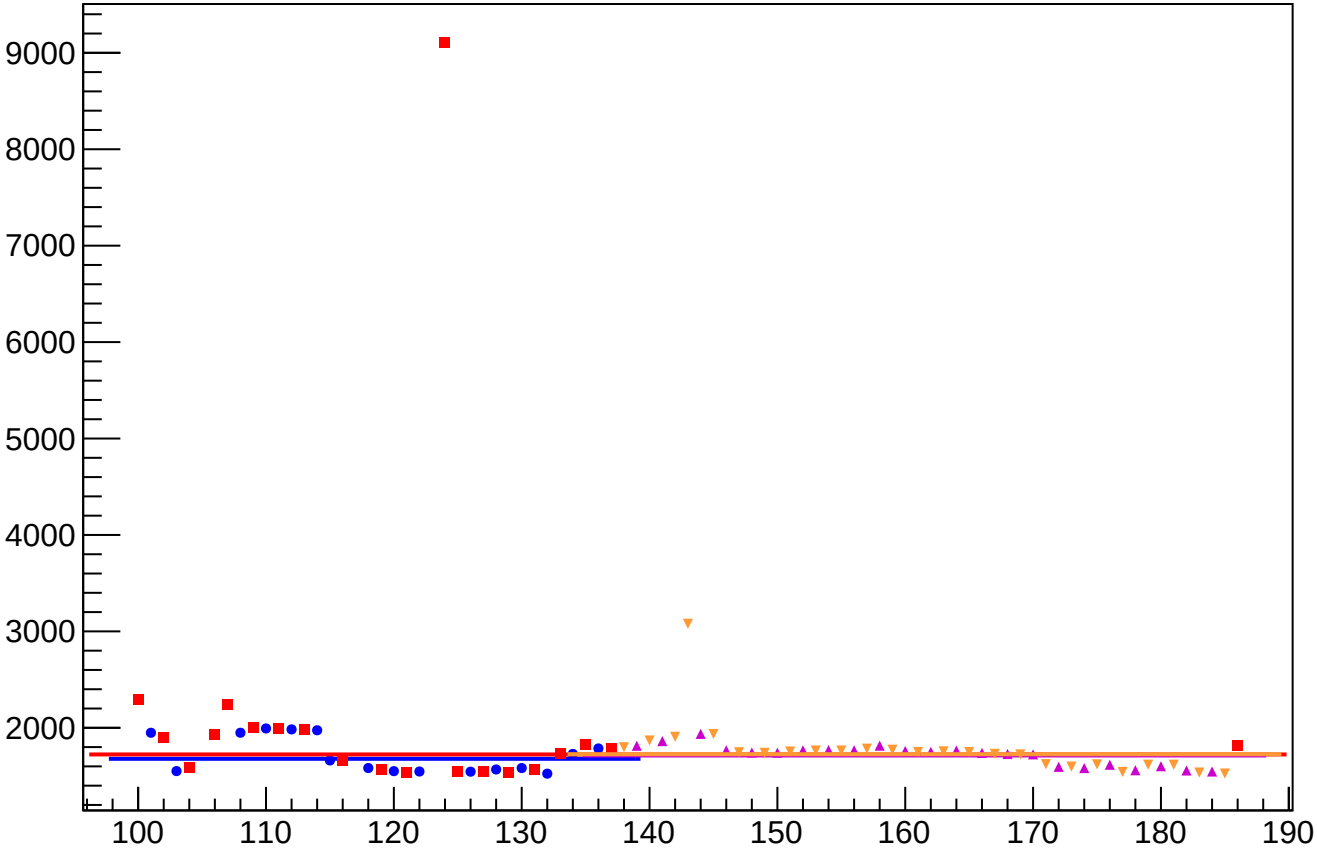
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1150.949+/-334.004 χ^2/NDF: 43.4/40

All: -441.129+/-237.416 χ^2/NDF: 138.9/83

- sign -2067.072+/-337.537 χ^2/NDF: 49.5/42

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1723.691+/-0.441 χ^2/NDF: 386982.2/19

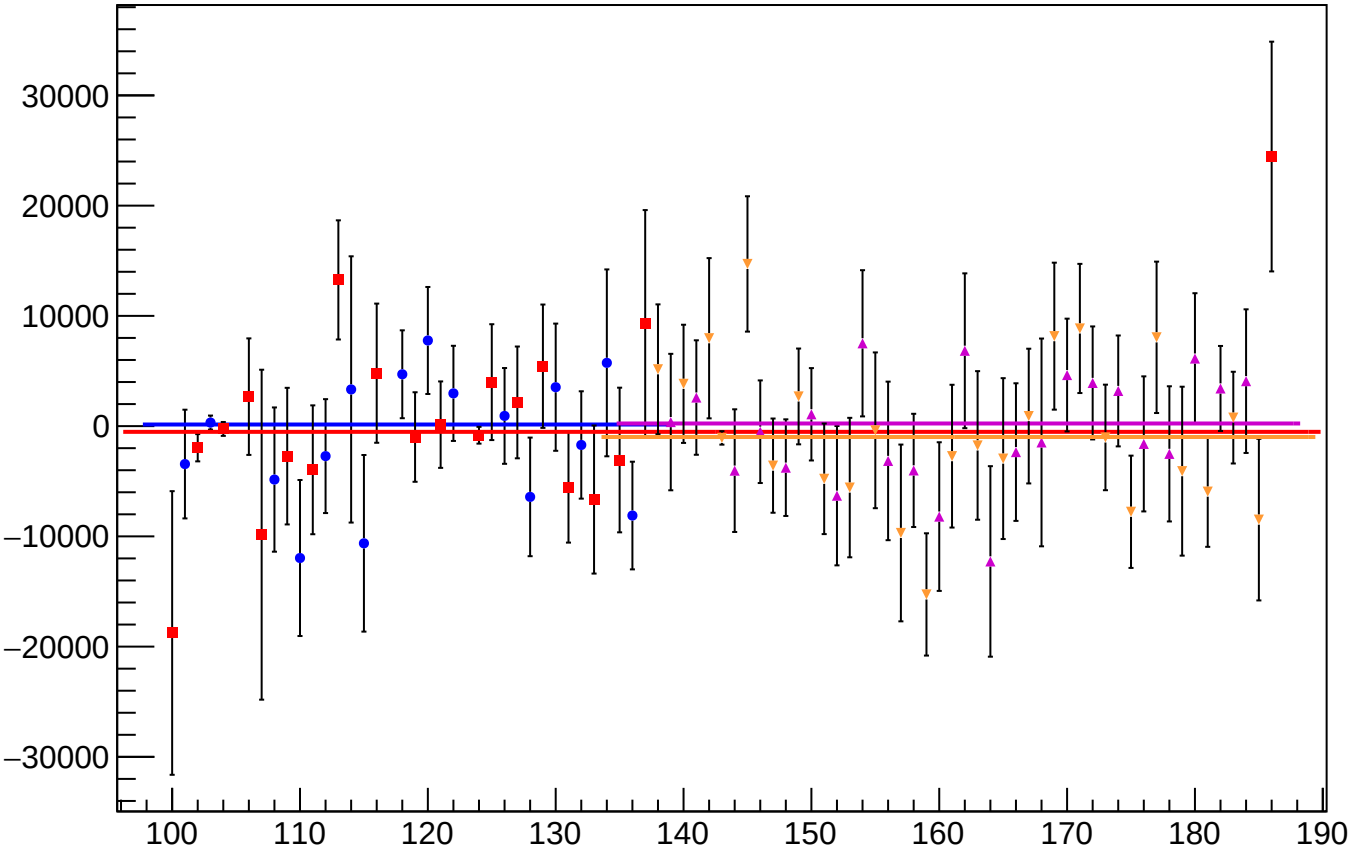
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1712.612+/-0.236 χ^2/NDF: 604626.2/40

All: 1714.407+/-0.168 χ^2/NDF: 1121419.5/83

- sign 1716.235+/-0.238 χ^2/NDF: 516676.8/42

asym_atl_avg_cor_correction_mean vs Slug



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -518.803+/-430.254 χ^2/NDF: 23.0/19

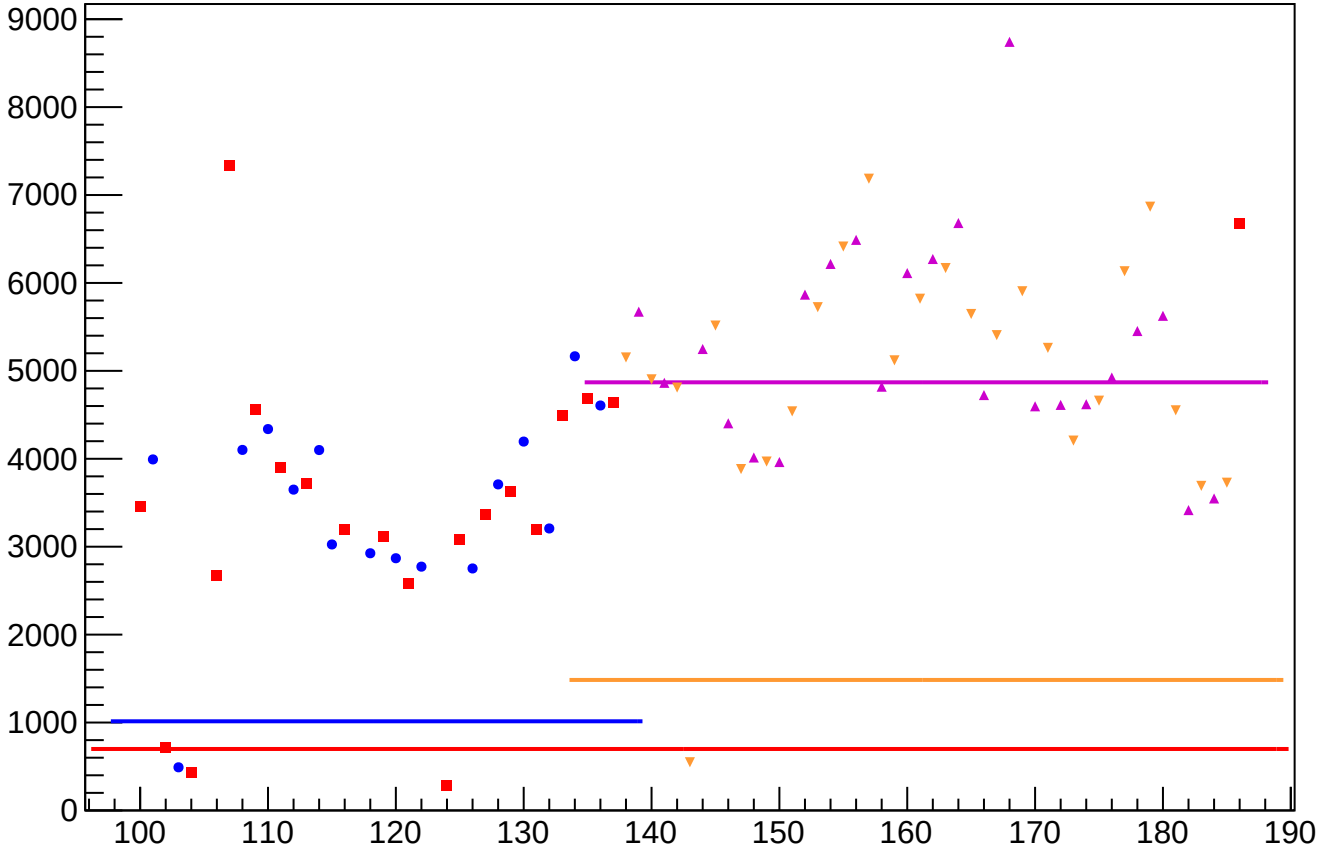
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -458.902+/-395.500 χ^2/NDF: 48.7/40

All: -443.665+/-282.485 χ^2/NDF: 85.5/83

- sign -427.797+/-403.610 χ^2/NDF: 36.9/42

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 699.262+/-0.304 χ^2/NDF: 9569395.7/19

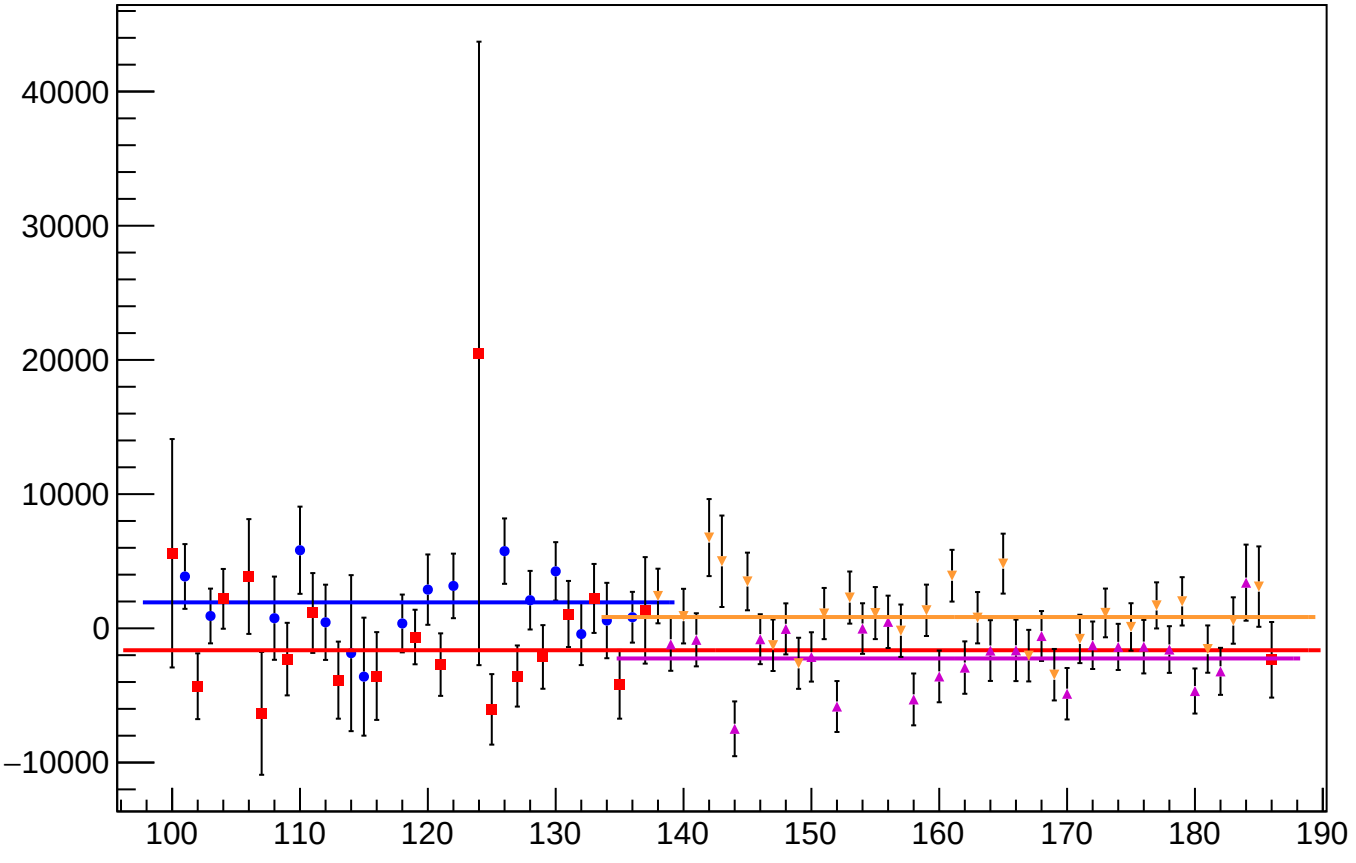
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1265.274+/-0.280 χ^2/NDF: 32152603.1/40

All: 1233.192+/-0.200 χ^2/NDF: 65774989.3/8

- sign 1199.781+/-0.285 χ^2/NDF: 33595520.8/42

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1632.582+/-626.140 χ^2/NDF: 19.4/19

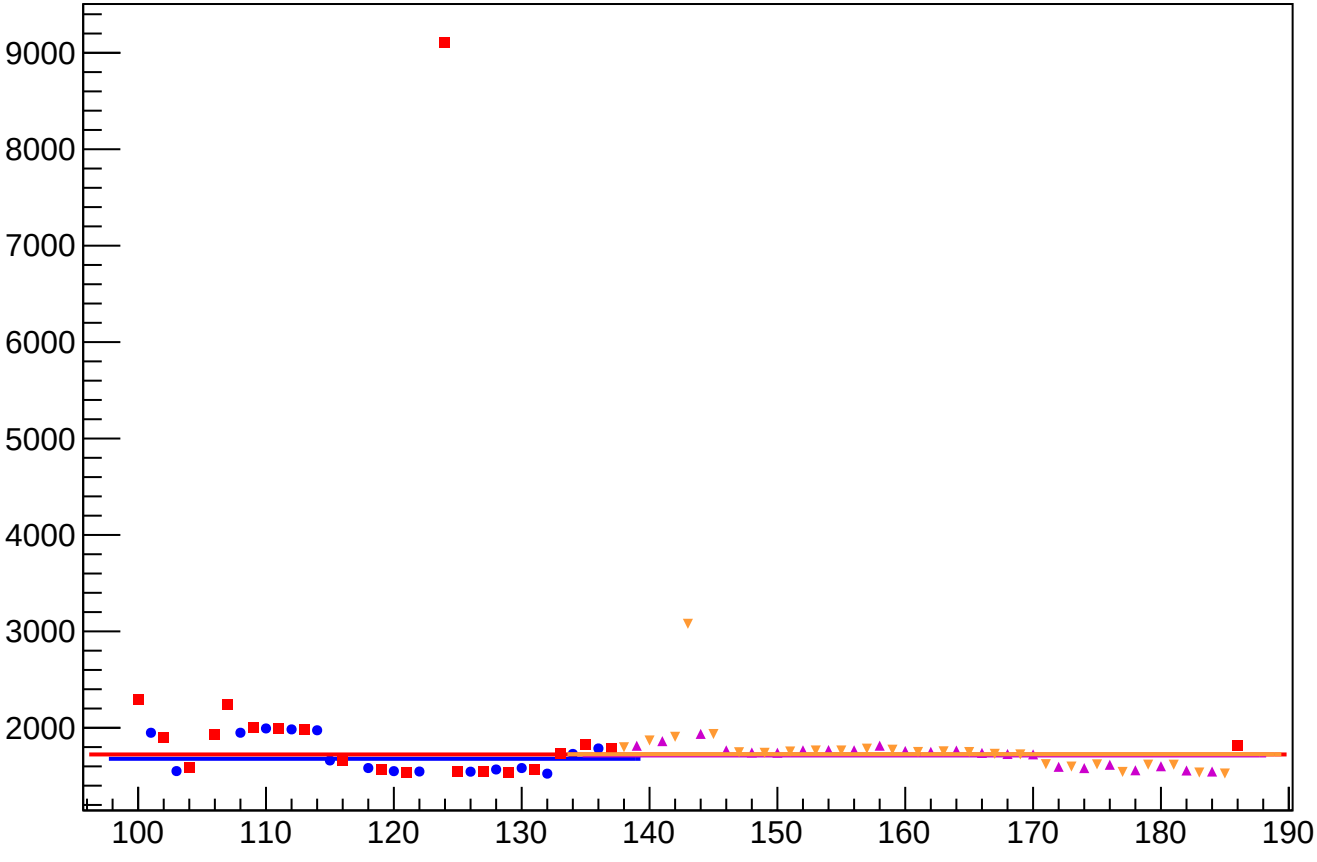
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1150.949+/-334.004 χ^2/NDF: 43.4/40

All: -441.129+/-237.416 χ^2/NDF: 138.9/83

- sign -2067.072+/-337.537 χ^2/NDF: 49.5/42

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

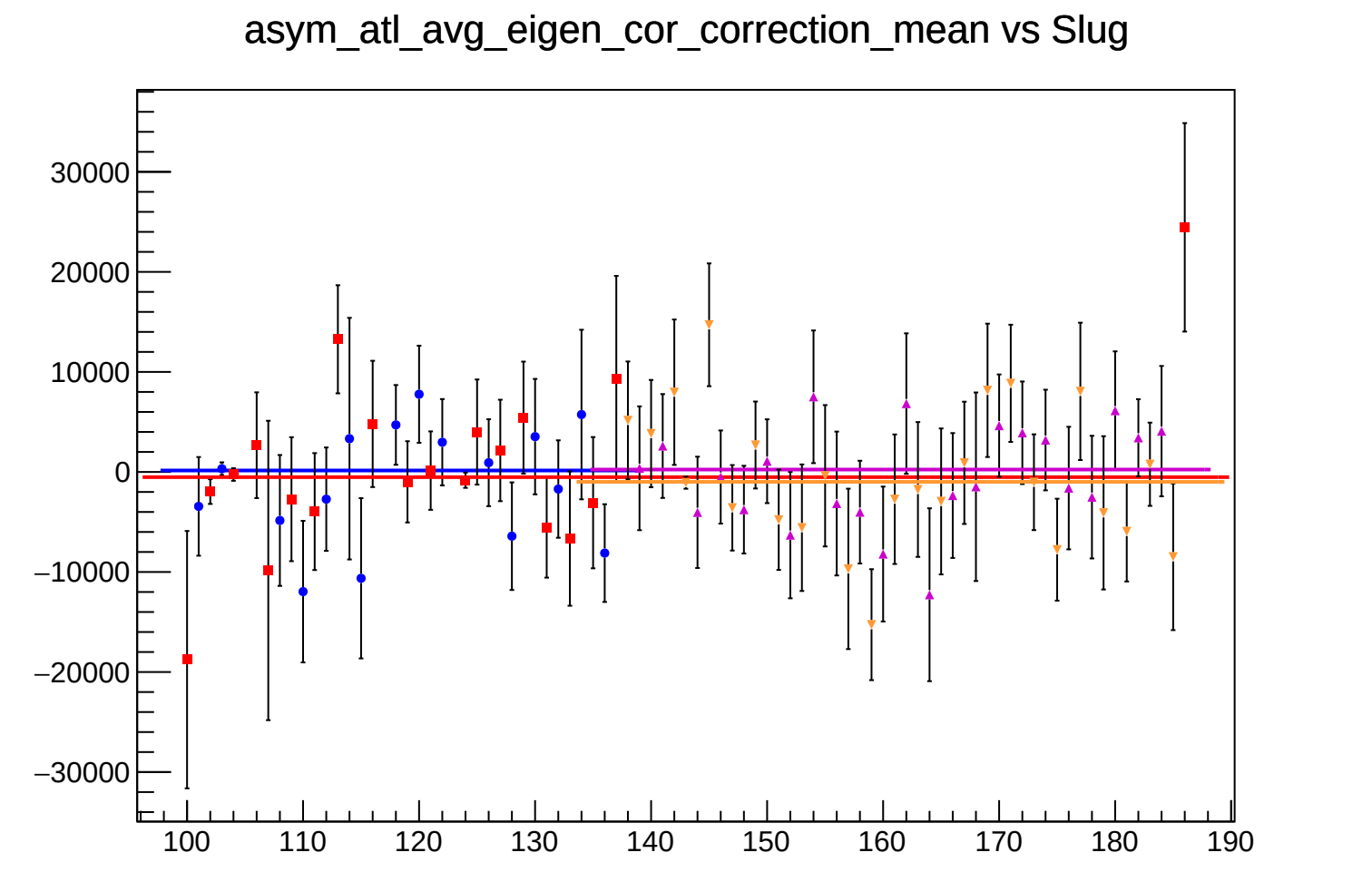
Right Out: 1723.691+/-0.441 χ^2/NDF: 386982.2/19

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1712.612+/-0.236 χ^2/NDF: 604626.2/40

All: 1714.407+/-0.168 χ^2/NDF: 1121419.5/83

- sign 1716.235+/-0.238 χ^2/NDF: 516676.8/42



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -518.803+/-430.254 χ^2/NDF: 23.0/19

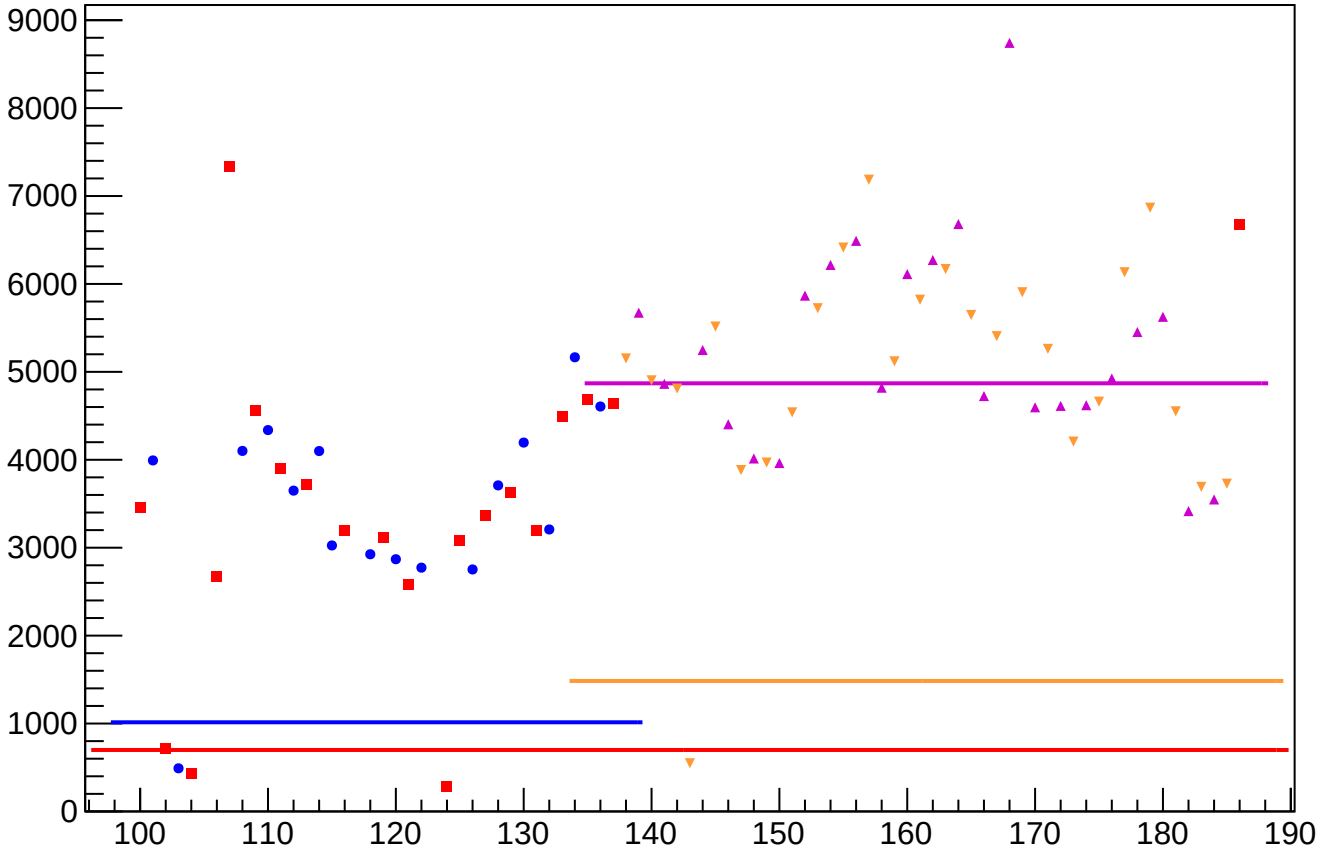
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -458.902+/-395.500 χ^2/NDF: 48.7/40

All: -443.665+/-282.485 χ^2/NDF: 85.5/83

\- sign -427.797+/-403.610 χ^2/NDF: 36.9/42

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

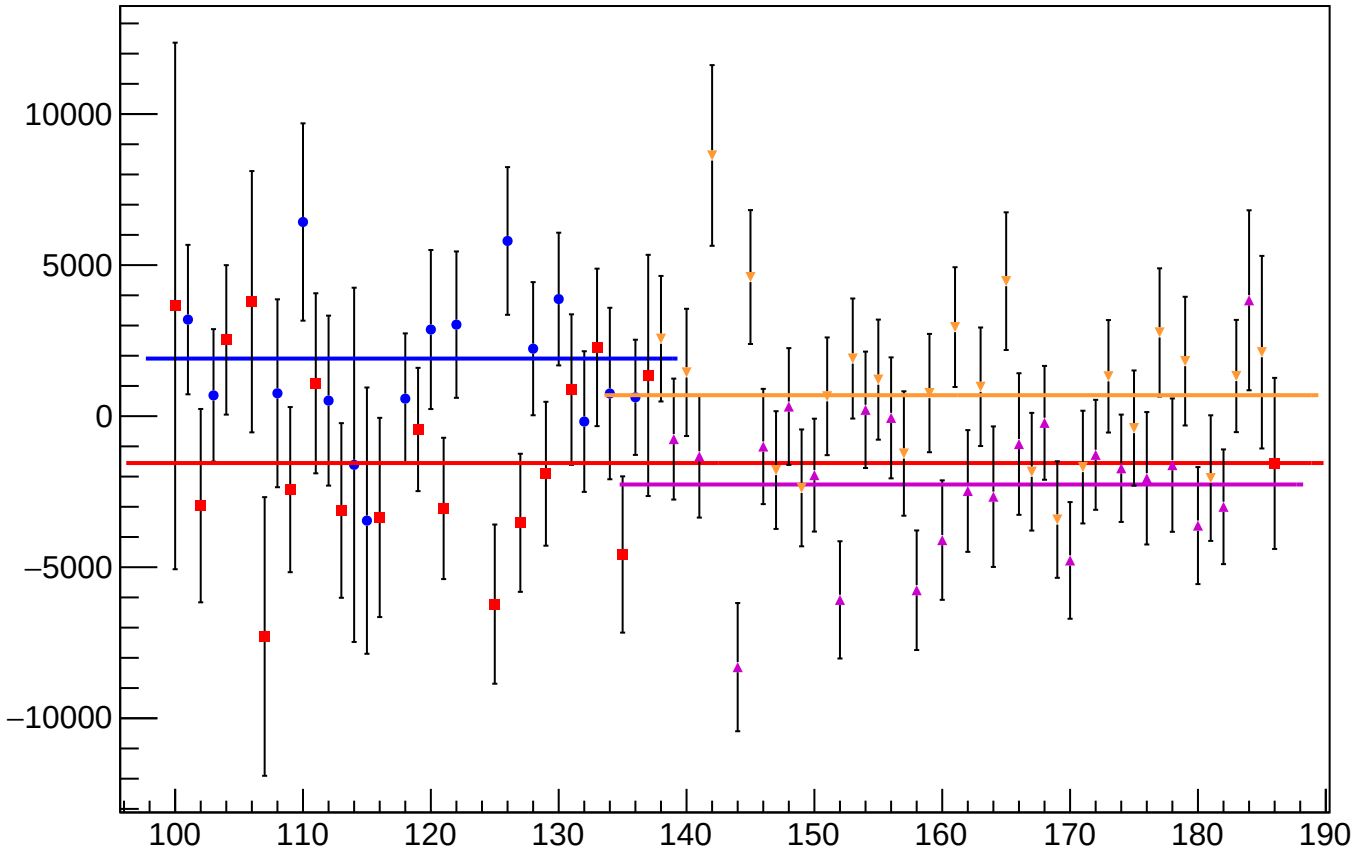
Right Out: 699.262+/-0.304 χ^2/NDF: 9569395.7/19

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1265.274+/-0.280 χ^2/NDF: 32152603.1/40

All: 1233.192+/-0.200 χ^2/NDF: 65774989.3/8

- sign 1199.781+/-0.285 χ^2/NDF: 33595520.8/42



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1551.672+/-643.744 χ^2/NDF: 17.5/18

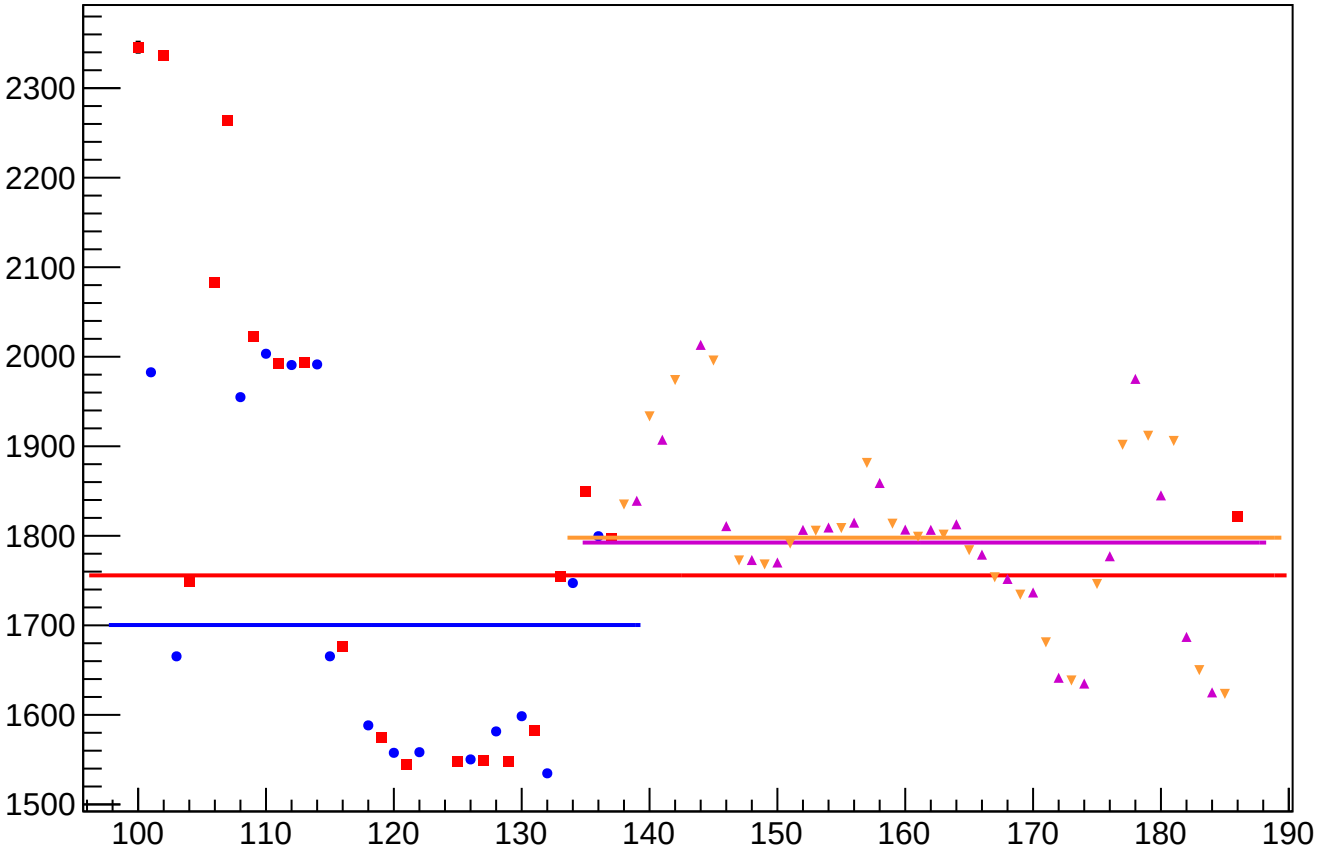
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1059.602+/-349.412 χ^2/NDF: 45.0/39

All: -487.116+/-247.726 χ^2/NDF: 133.1/81

- sign -2050.334+/-351.271 χ^2/NDF: 48.7/41

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

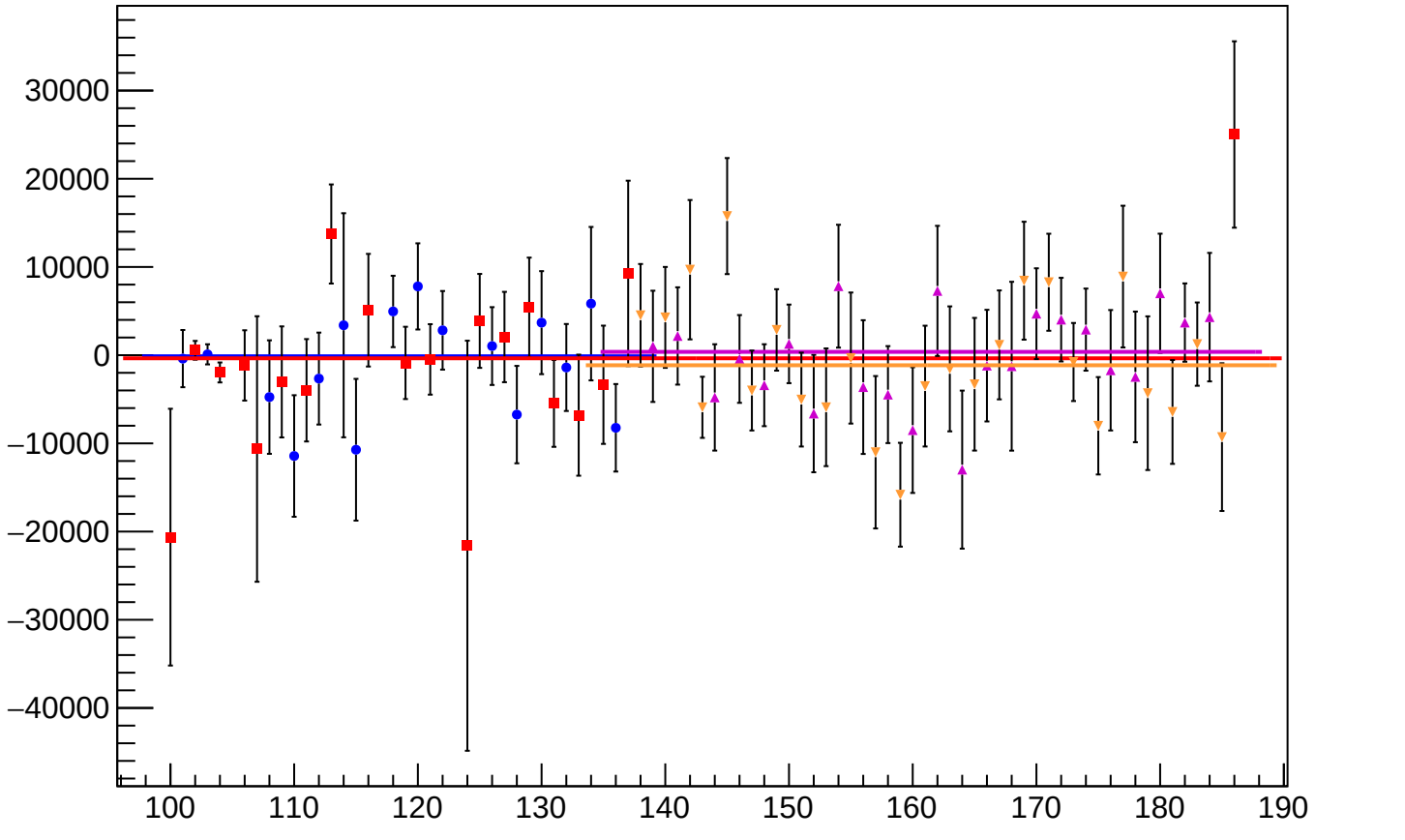
Right Out: 1755.805+/-0.454 χ^2/NDF: 249089.4/18

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1768.505+/-0.247 χ^2/NDF: 266247.2/39

All: 1774.975+/-0.175 χ^2/NDF: 614154.7/81

- sign 1781.506+/-0.248 χ^2/NDF: 346529.6/41



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -354.614+/-677.758 χ^2/NDF: 24.3/19

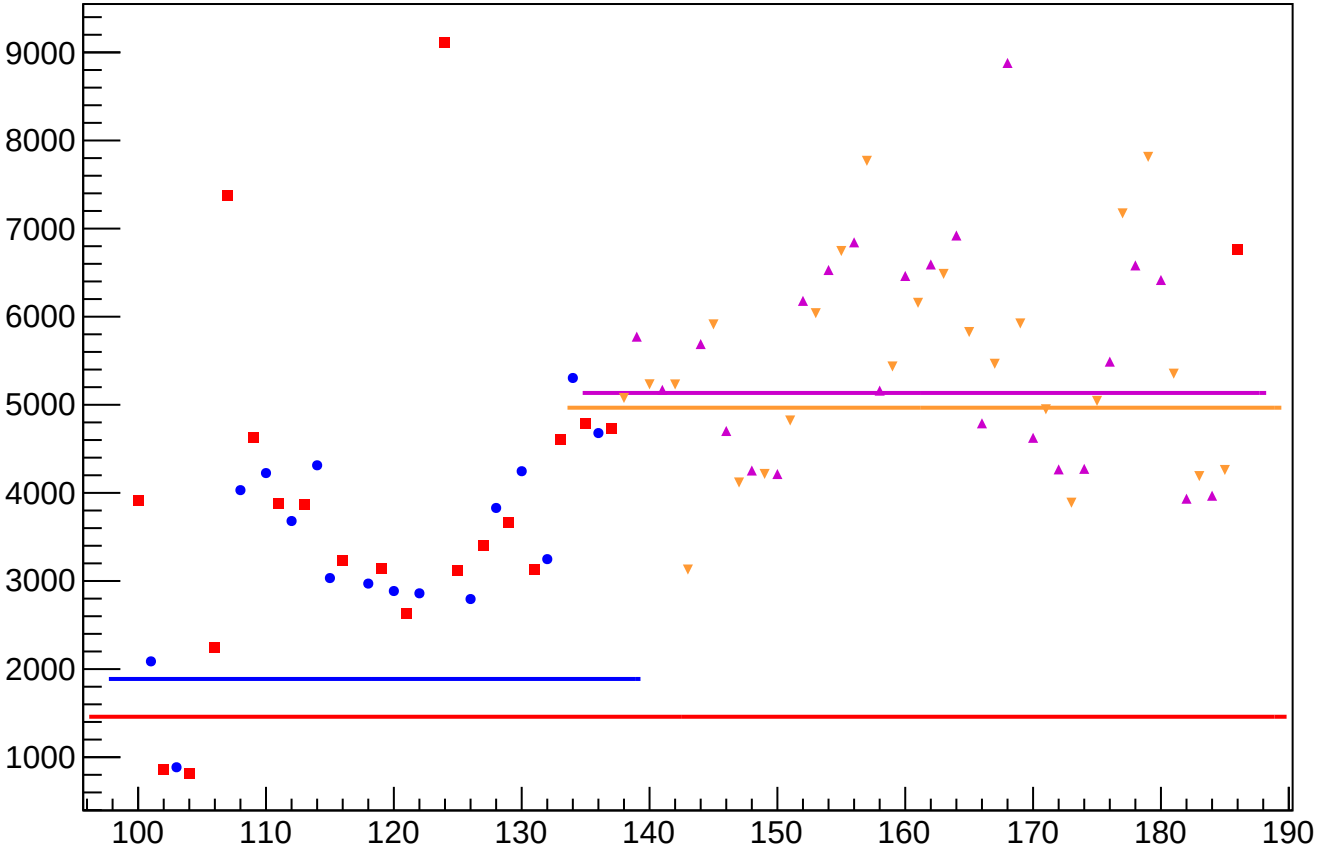
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

+ sign -489.217+/-695.747 χ^2/NDF: 48.1/40

All: -312.788+/-451.515 χ^2/NDF: 86.1/83

- sign -184.422+/-593.460 χ^2/NDF: 37.8/42

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1459.039+/-0.479 χ^2/NDF: 6471130.1/19

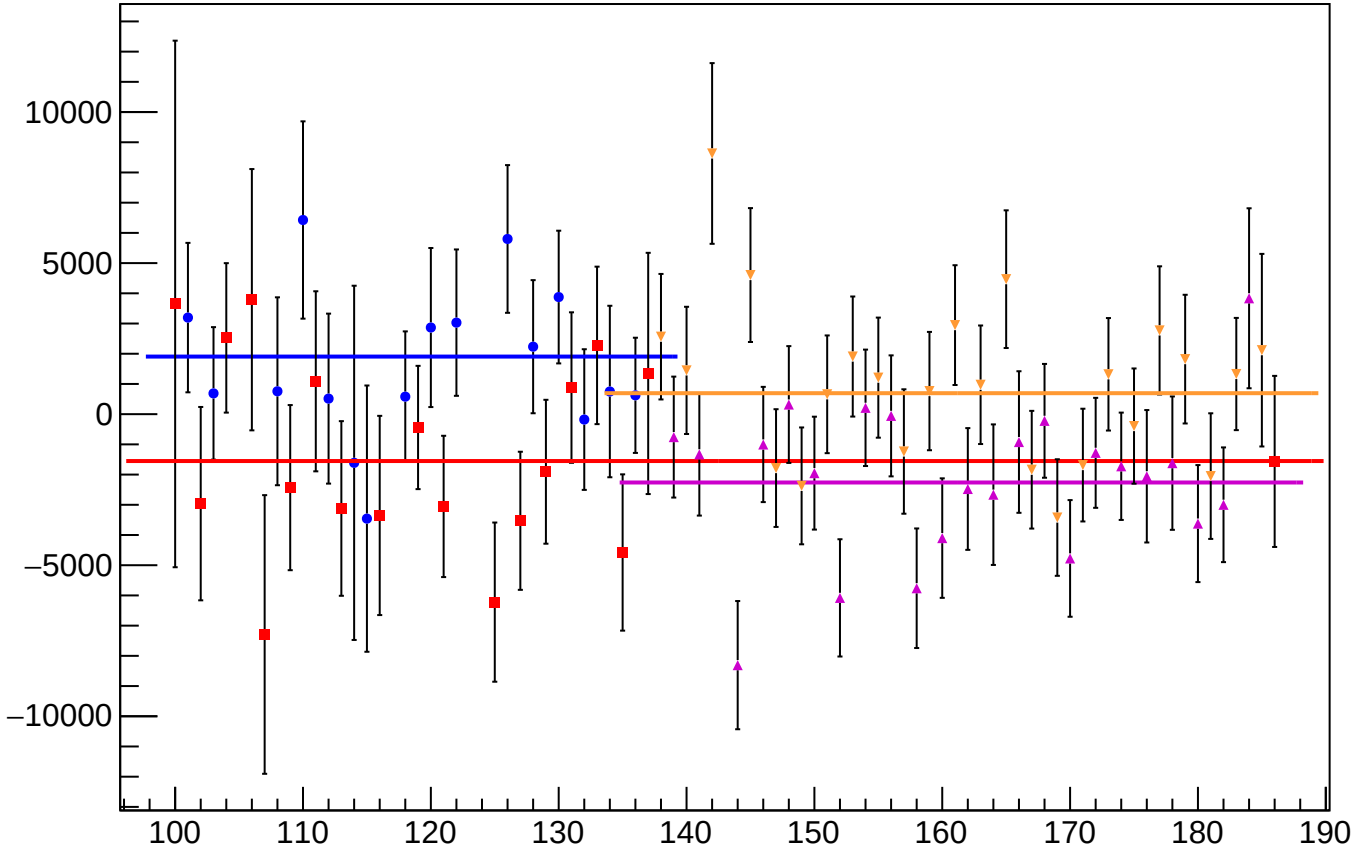
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 2987.125+/-0.492 χ^2/NDF: 15334177.6/40

All: 2598.917+/-0.319 χ^2/NDF: 38088972.7/8

- sign 2316.465+/-0.420 χ^2/NDF: 21679085.8/42

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1551.672+/-643.744 χ^2/NDF: 17.5/18

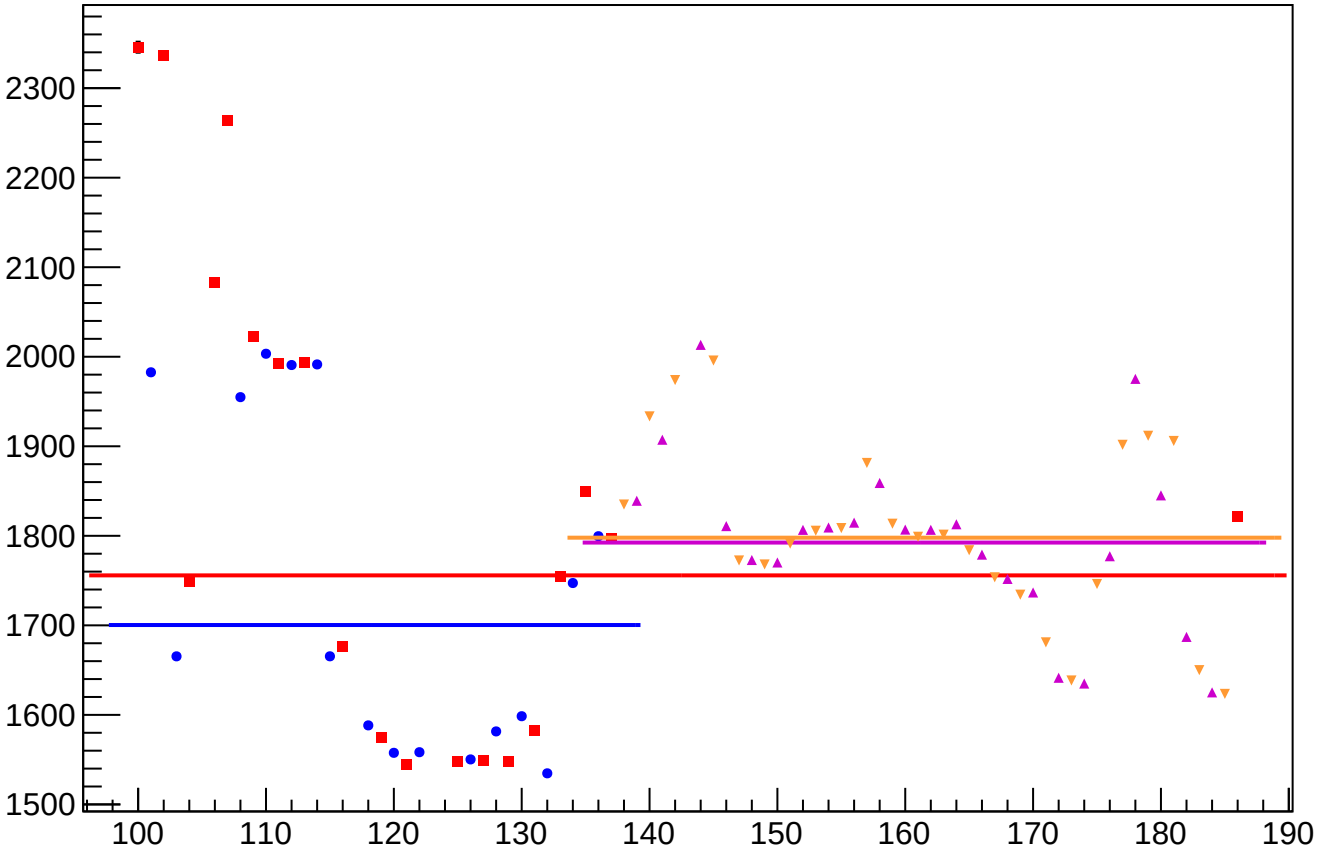
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1059.599+/-349.412 χ^2/NDF: 45.0/39

All: -487.117+/-247.726 χ^2/NDF: 133.1/81

- sign -2050.333+/-351.271 χ^2/NDF: 48.7/41

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

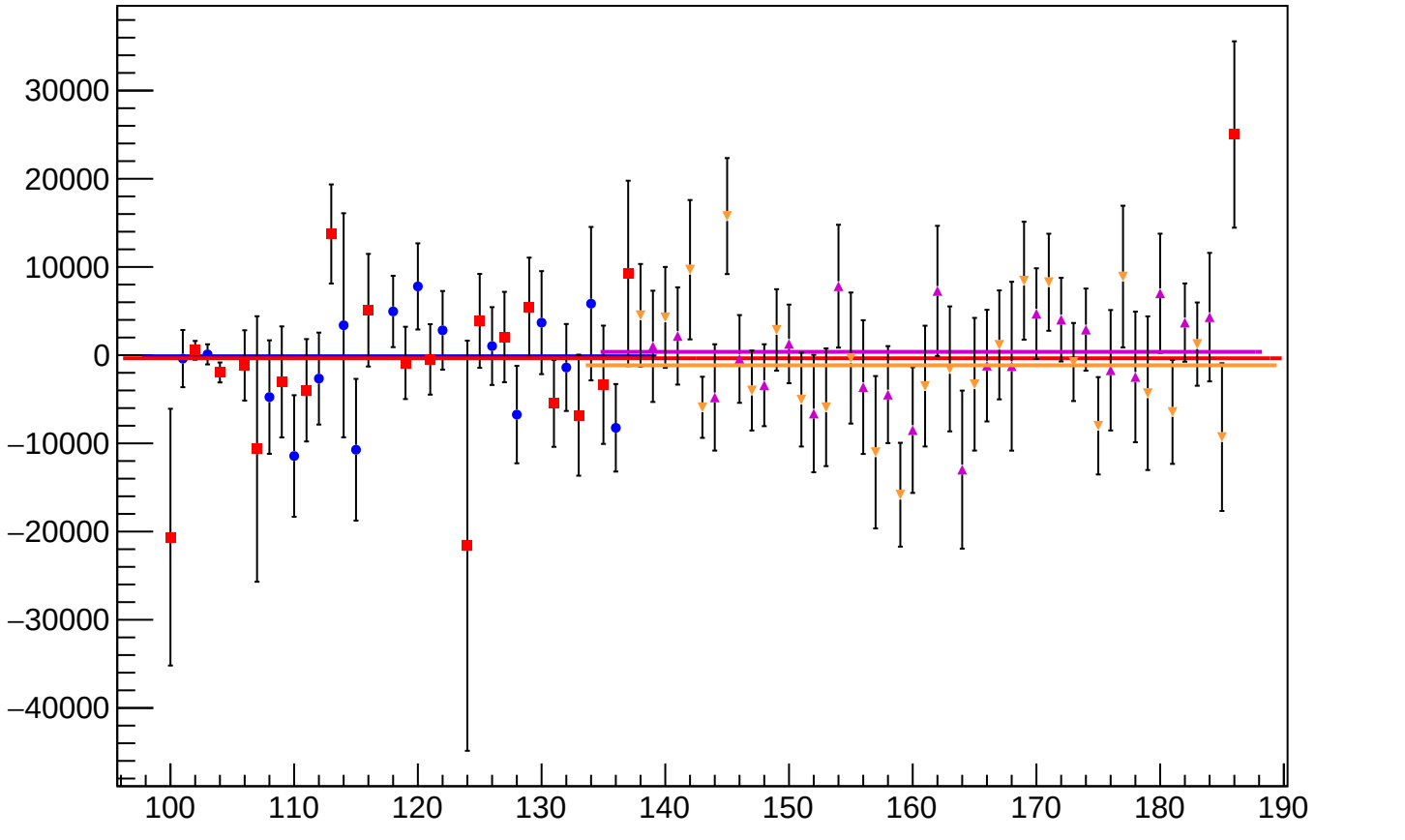
Right Out: 1755.805+/-0.454 χ^2/NDF: 249089.0/18

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1768.506+/-0.247 χ^2/NDF: 266251.9/39

All: 1774.976+/-0.175 χ^2/NDF: 614162.7/81

- sign 1781.507+/-0.248 χ^2/NDF: 346532.9/41



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -354.615+/-677.753 χ^2/NDF: 24.3/19

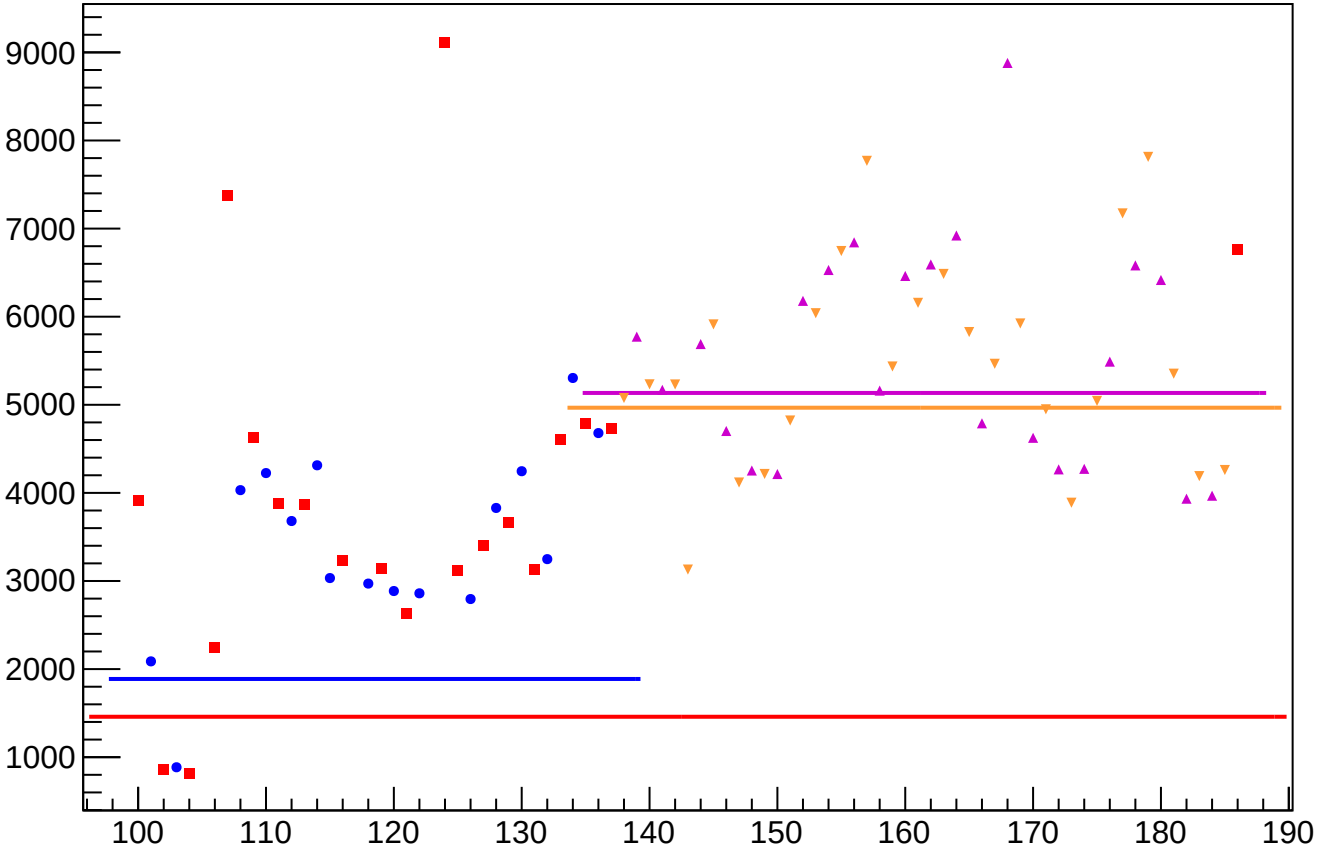
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

+ sign -489.213+/-695.744 χ^2/NDF: 48.1/40

All: -312.787+/-451.513 χ^2/NDF: 86.1/83

- sign -184.424+/-593.456 χ^2/NDF: 37.8/42

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1459.025+/-0.479 χ^2/NDF: 6471167.4/19

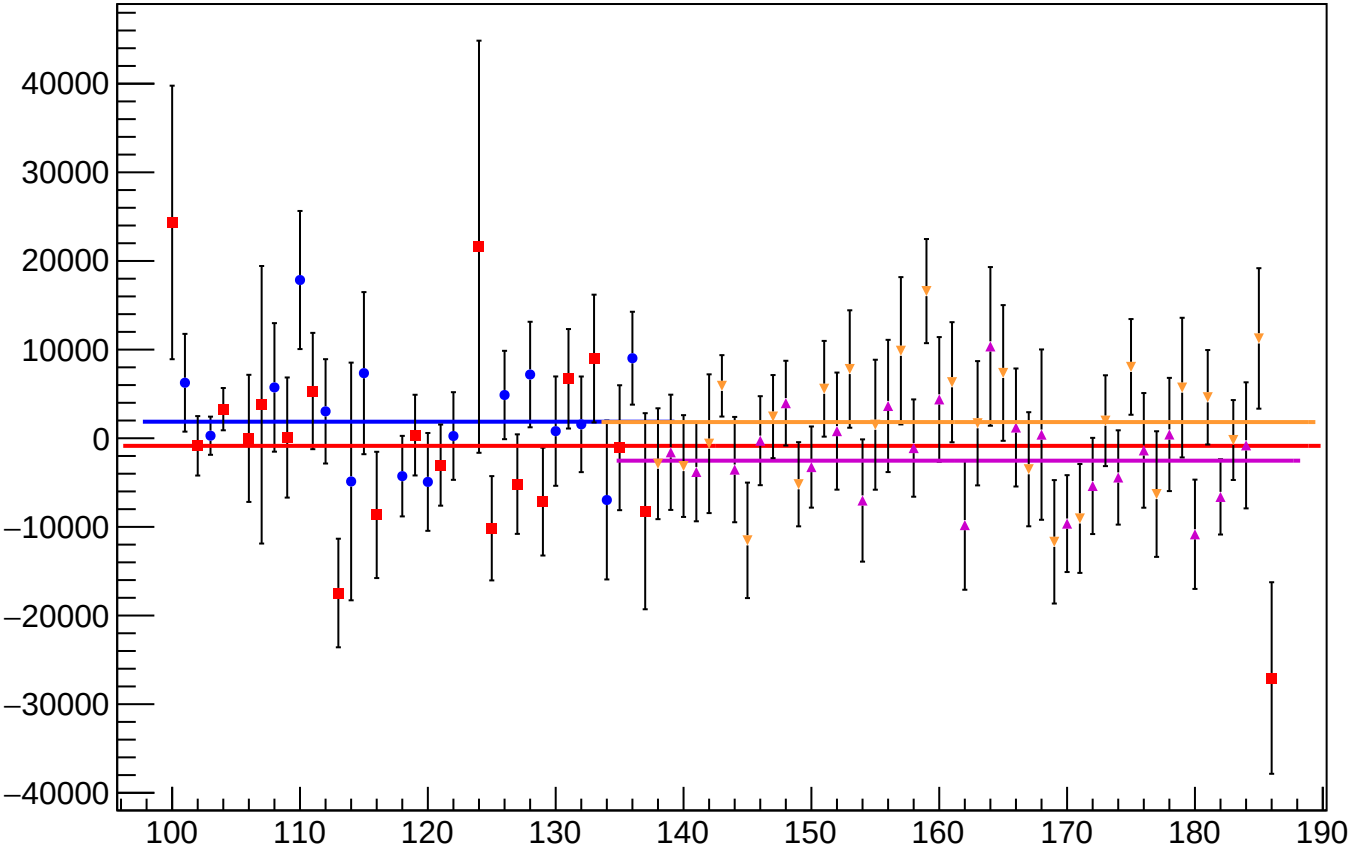
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 2987.106+/-0.492 χ^2/NDF: 15334383.5/40

All: 2598.896+/-0.319 χ^2/NDF: 38089409.5/8

- sign 2316.444+/-0.420 χ^2/NDF: 21679303.4/42

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -858.267+/-1233.399 χ^2/NDF: 30.6/19

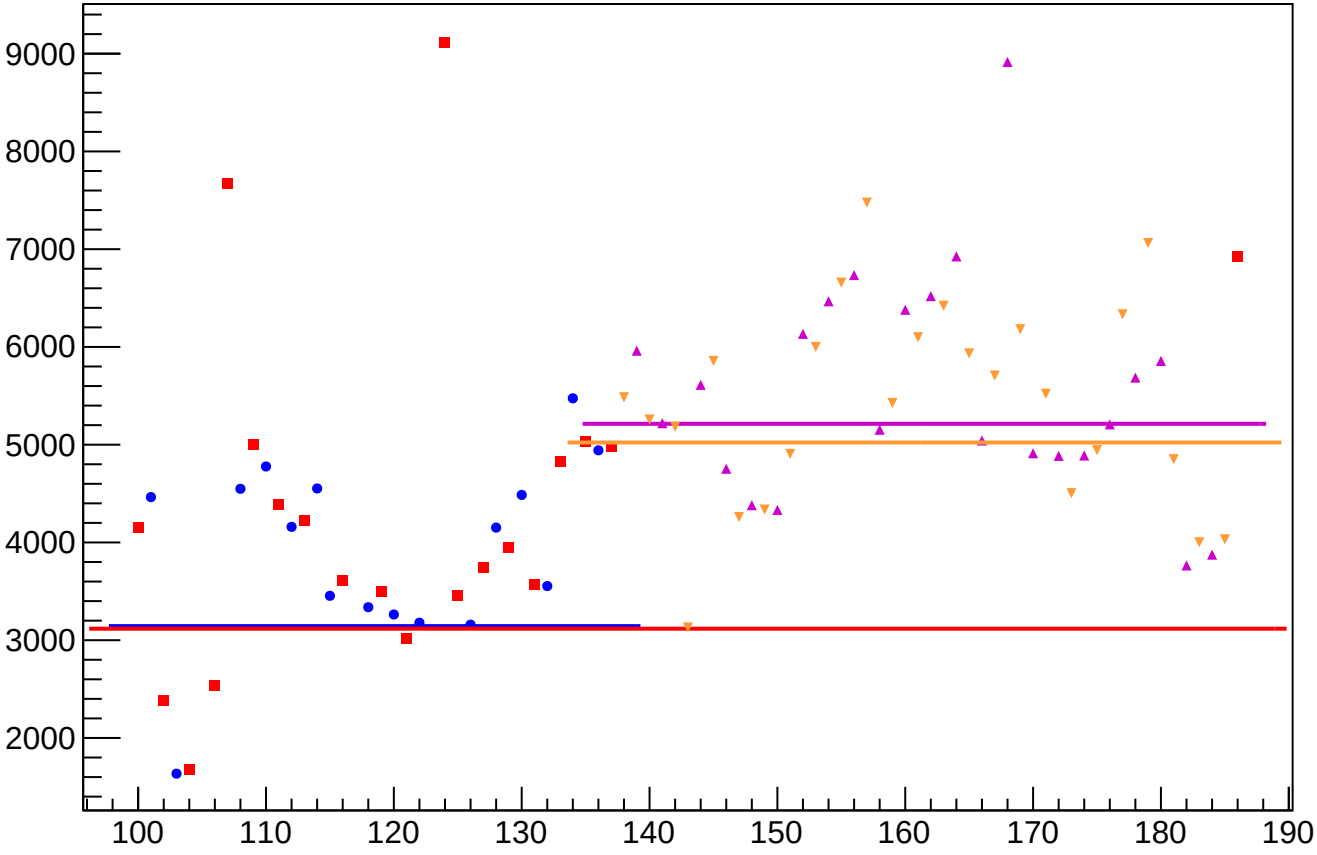
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1844.970+/-858.085 χ^2/NDF: 44.9/40

All: 113.310+/-612.714 χ^2/NDF: 97.9/83

- sign -1688.051+/-875.184 χ^2/NDF: 44.7/42

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3117.822+/-0.859 χ^2/NDF: 2133302.8/19

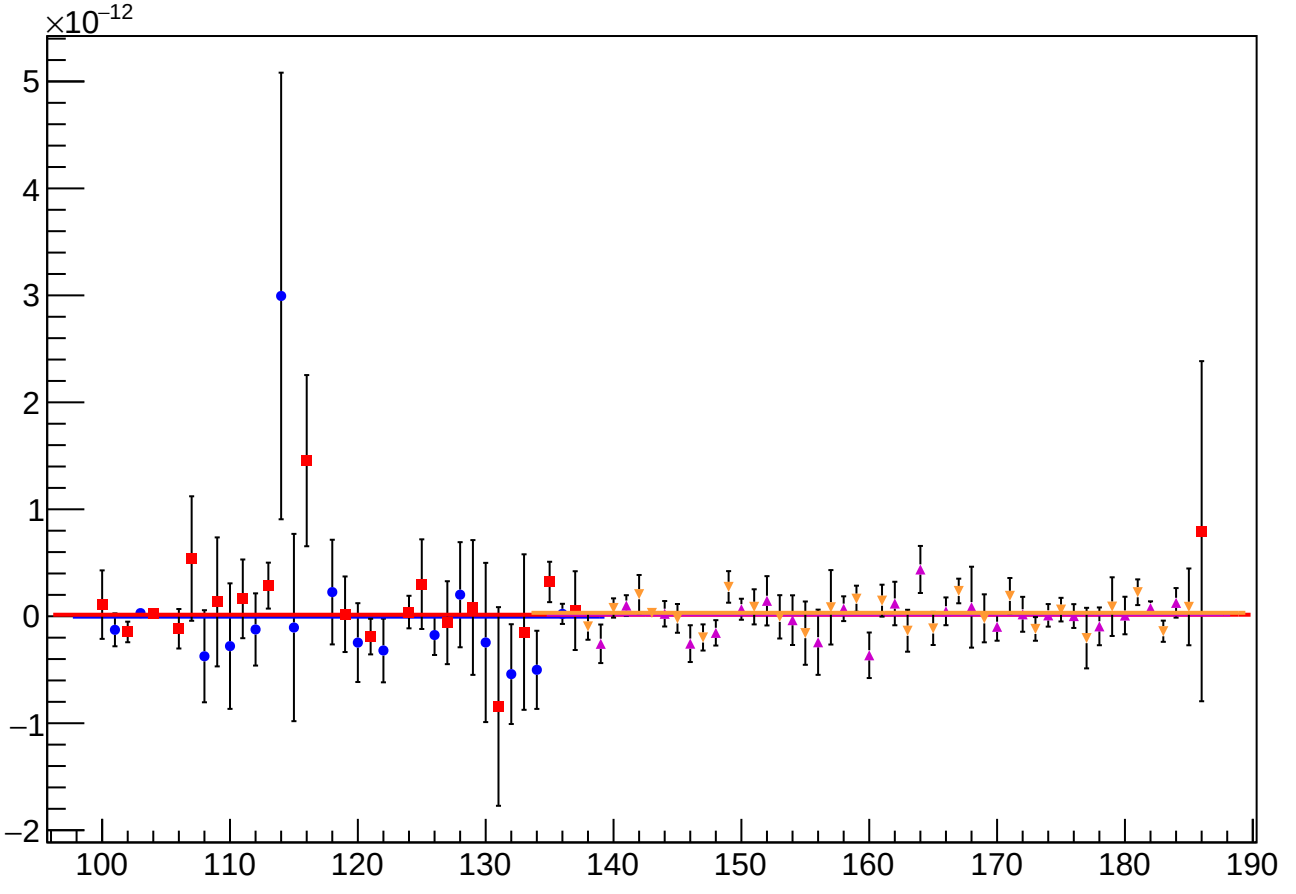
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4150.161+/-0.607 χ^2/NDF: 5943266.1/40

All: 4146.211+/-0.432 χ^2/NDF: 12211131.4/8

- 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: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

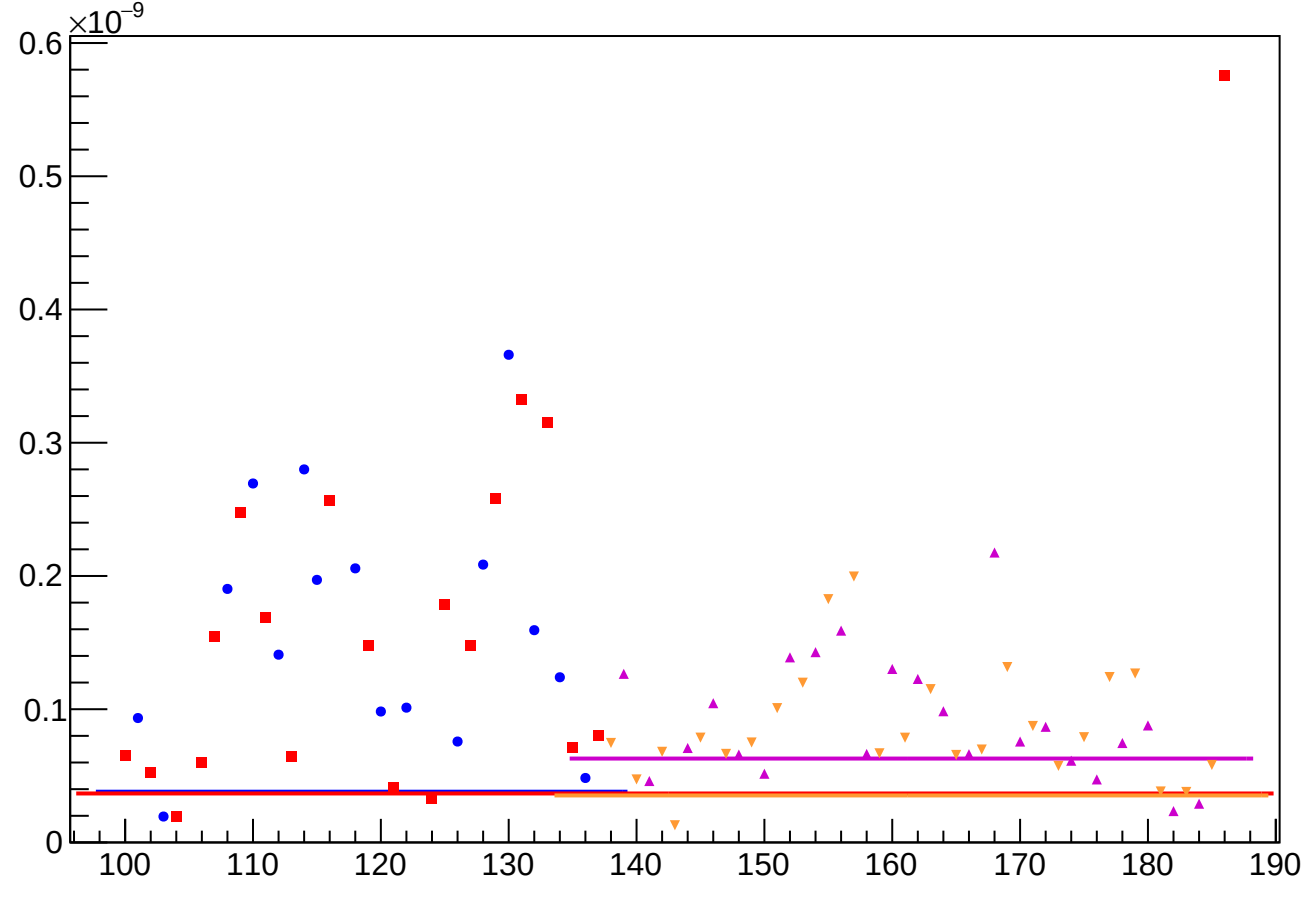
Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/19

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/40

All: 0.000+/-0.000 χ^2/NDF: 70.9/83

- sign 0.000+/-0.000 χ^2/NDF: 34.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2913580.1/19

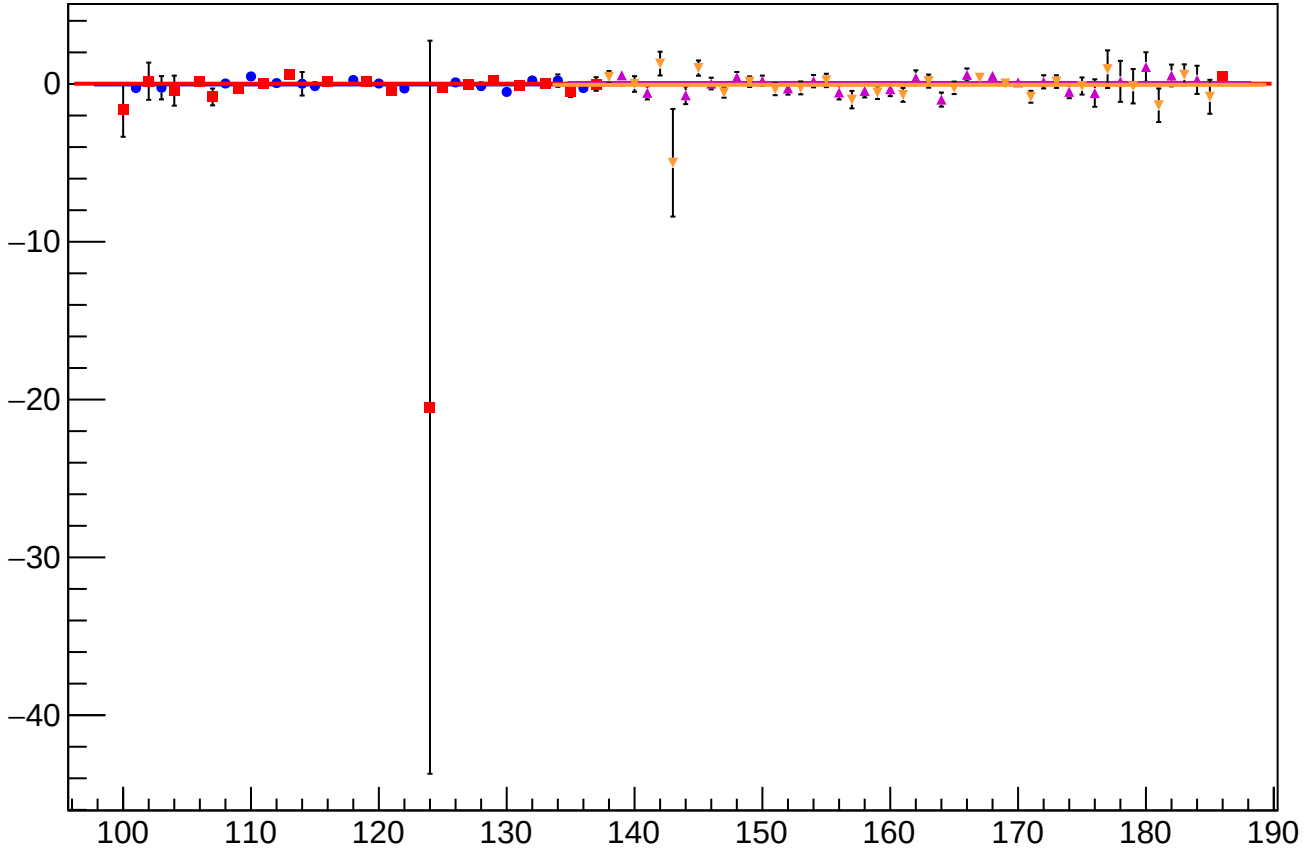
Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9410178.2/40

All: 0.000+/-0.000 χ^2/NDF: 16745266.8/83

- sign 0.000+/-0.000 χ^2/NDF: 6601231.3/42

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.017+/-0.055 χ^2/NDF: 25.7/19

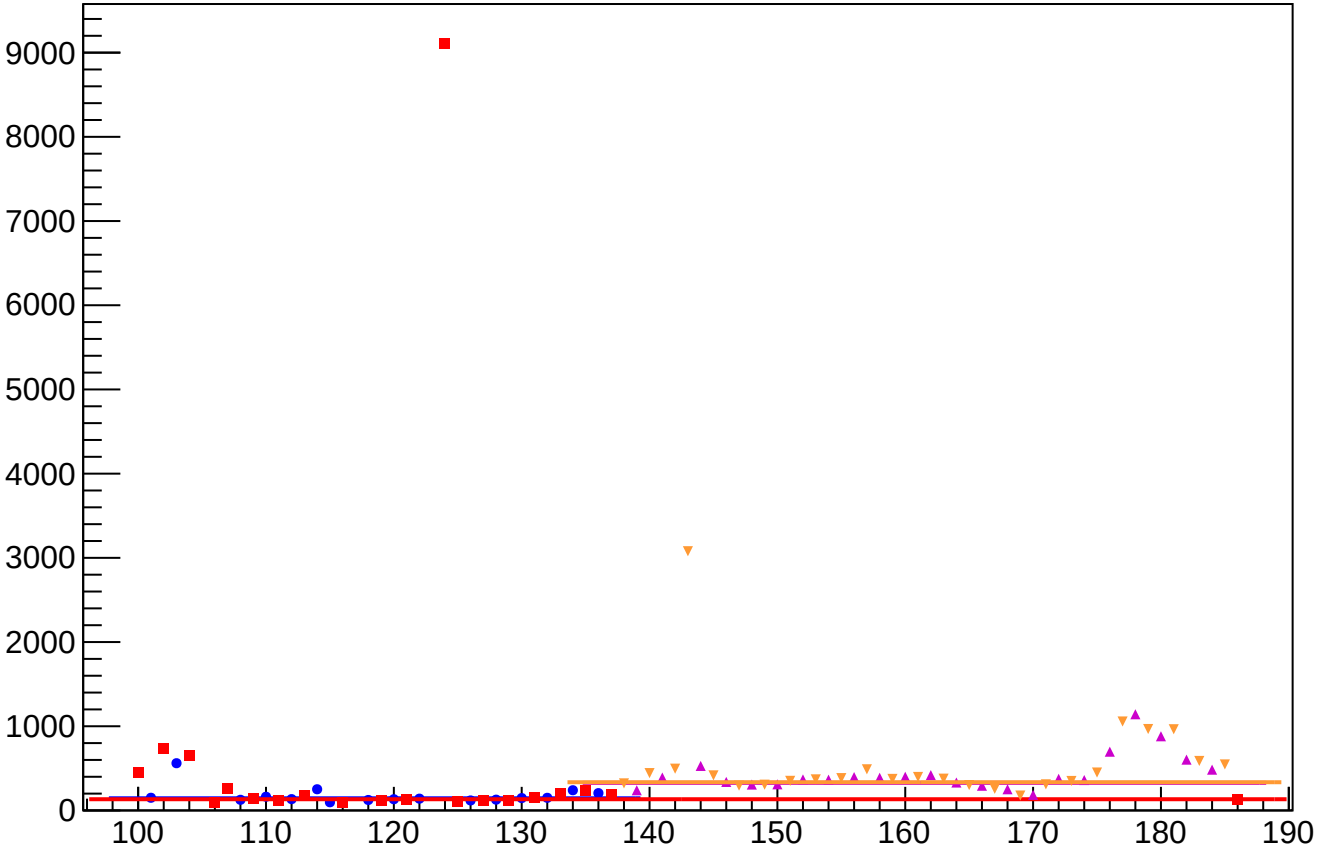
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.037+/-0.048 χ^2/NDF: 50.4/40

All: -0.002+/-0.033 χ^2/NDF: 105.4/83

- sign 0.031+/-0.046 χ^2/NDF: 53.9/42

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

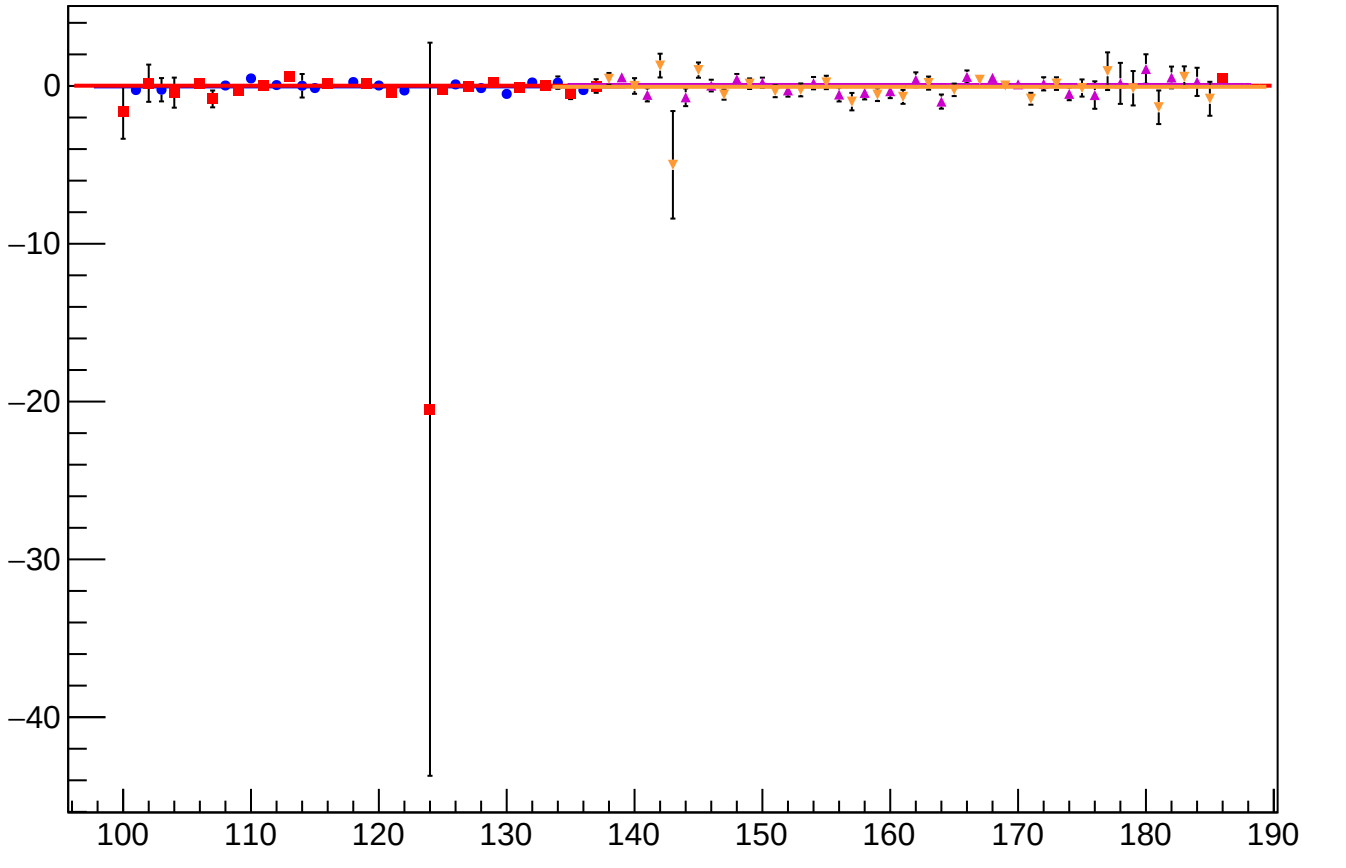
Right Out: 133.335+/-0.039 χ^2/NDF: 2220715.4/19

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 205.063+/-0.034 χ^2/NDF: 13918676.5/40

All: 198.542+/-0.023 χ^2/NDF: 28024939.9/83

- sign 192.569+/-0.032 χ^2/NDF: 14034769.8/42



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.017+/-0.055 χ^2/NDF: 25.7/19

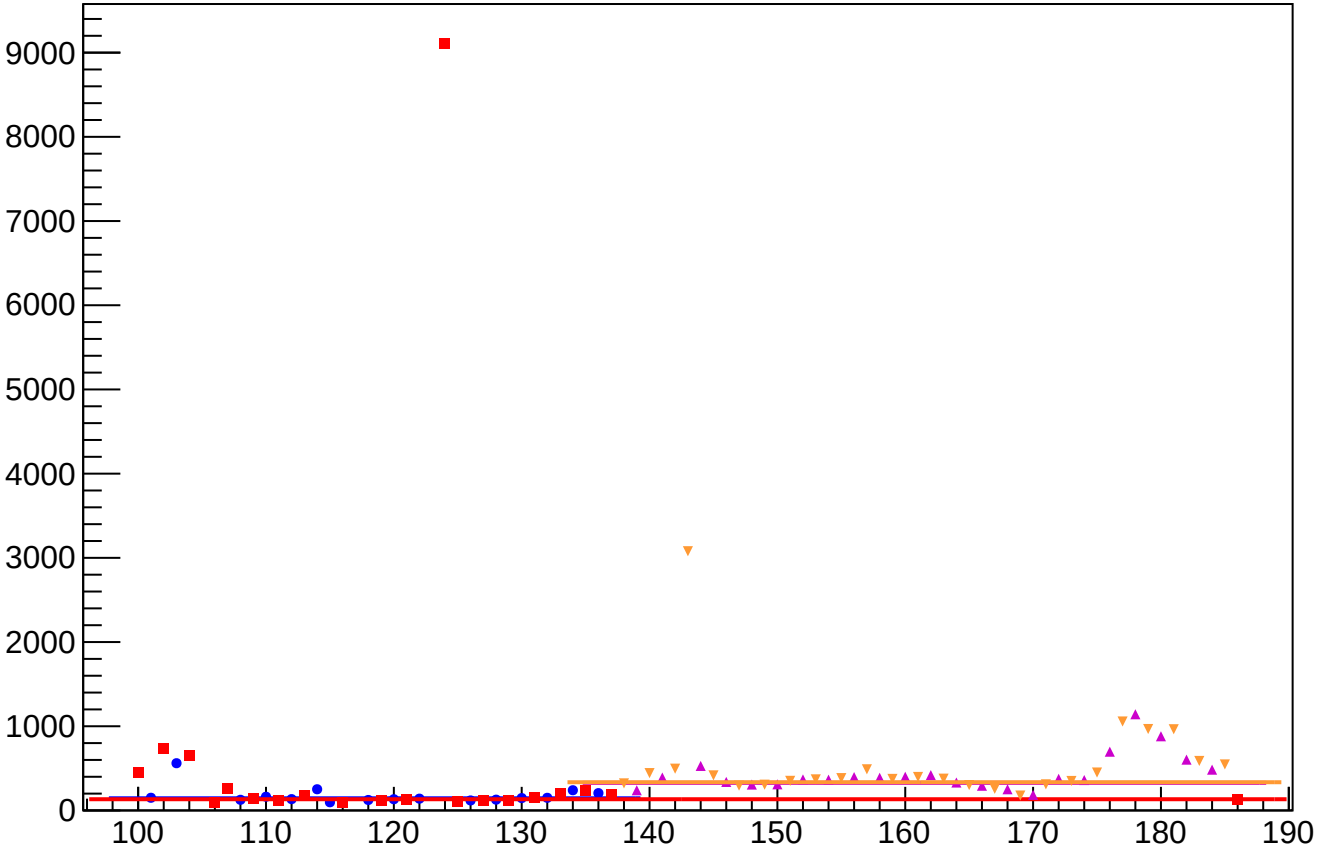
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.037+/-0.048 χ^2/NDF: 50.4/40

All: -0.002+/-0.033 χ^2/NDF: 105.4/83

- sign 0.031+/-0.046 χ^2/NDF: 53.9/42

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

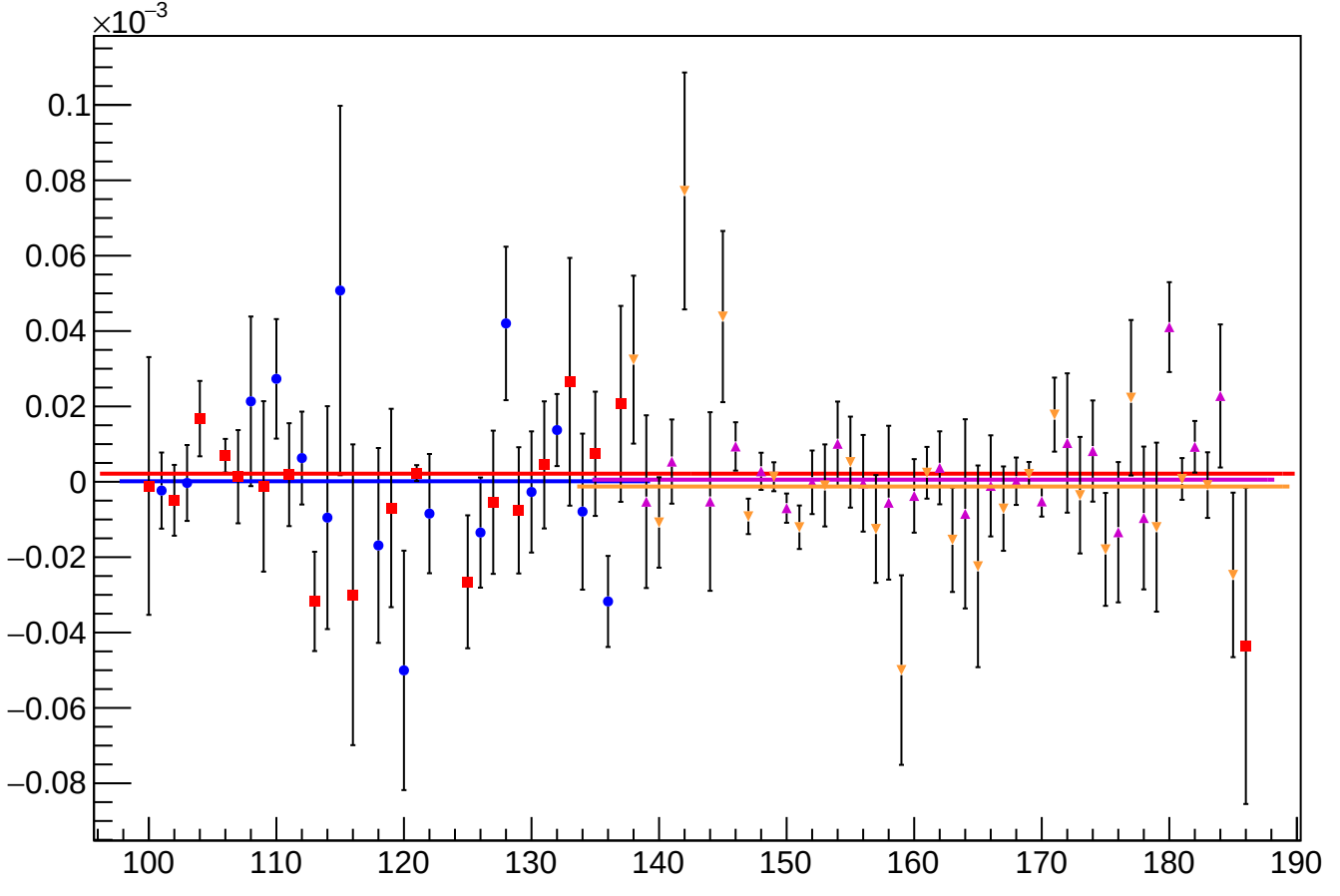
Right Out: 133.335+/-0.039 χ^2/NDF: 2220715.4/19

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 205.063+/-0.034 χ^2/NDF: 13918676.5/40

All: 198.542+/-0.023 χ^2/NDF: 28024939.9/83

- sign 192.569+/-0.032 χ^2/NDF: 14034769.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

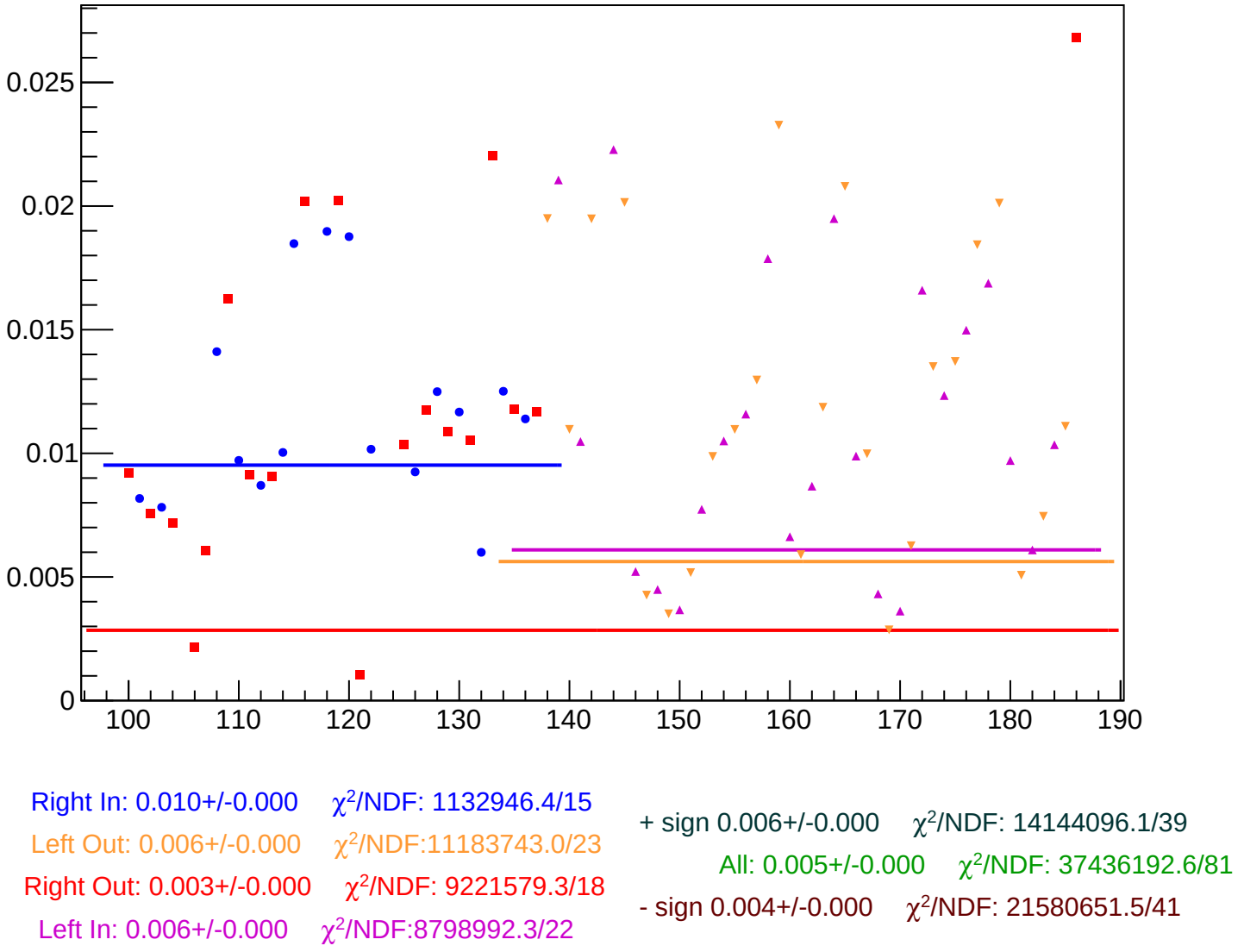
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/18

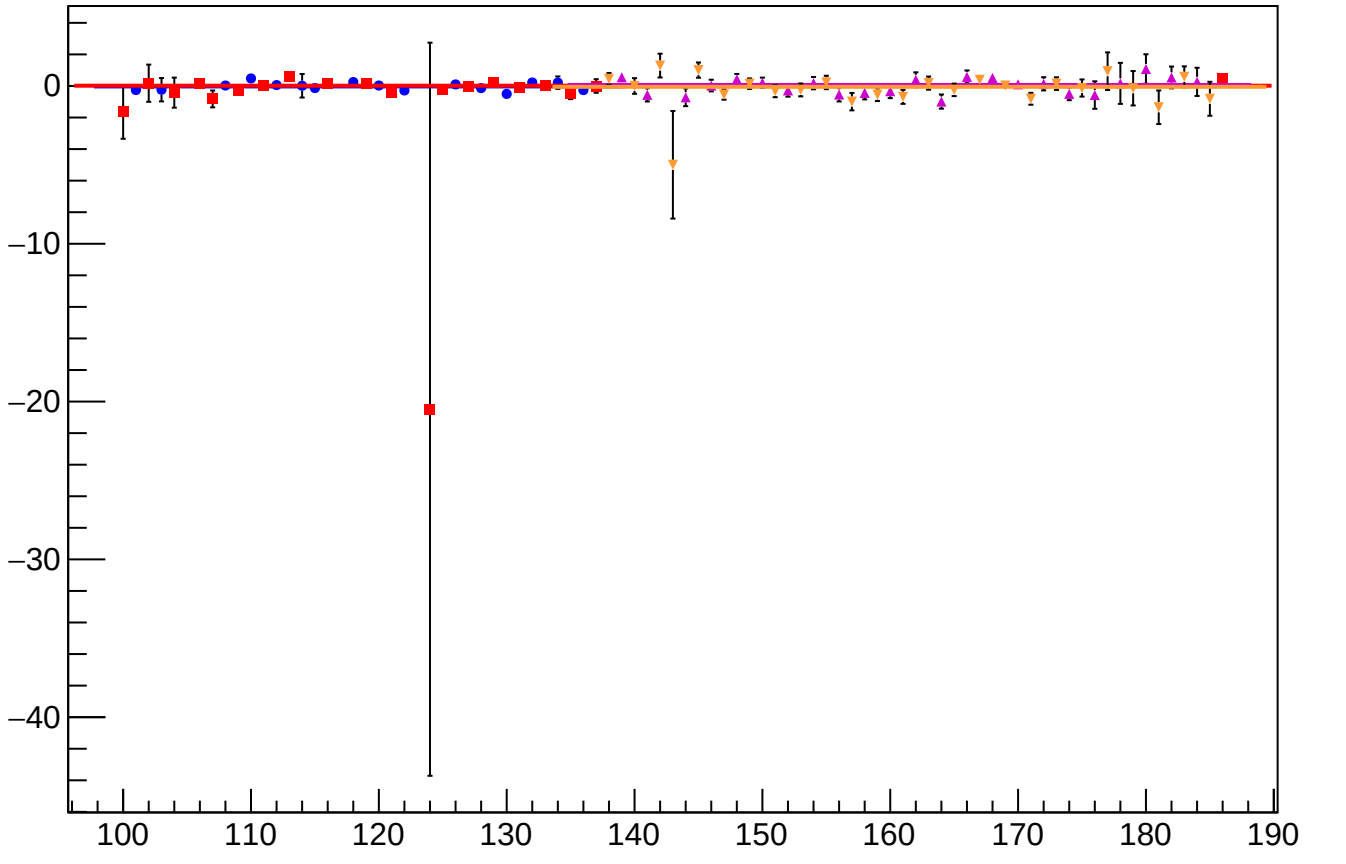
Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.6/39

All: 0.000+/-0.000 χ^2/NDF: 102.9/81

- sign 0.000+/-0.000 χ^2/NDF: 42.7/41


asym_atl_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: 0.010+/-0.000 χ²/NDF: 1132946.4/15
Left Out: 0.006+/-0.000 χ²/NDF:11183743.0/23
Right Out: 0.003+/-0.000 χ²/NDF: 9221579.3/18
Left In: 0.006+/-0.000 χ²/NDF:8798992.3/22
+ sign 0.006+/-0.000 χ²/NDF: 14144096.1/39
All: 0.005+/-0.000 χ²/NDF: 37436192.6/81
- sign 0.004+/-0.000 χ²/NDF: 21580651.5/41



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.017+/-0.055 χ^2/NDF: 25.7/19

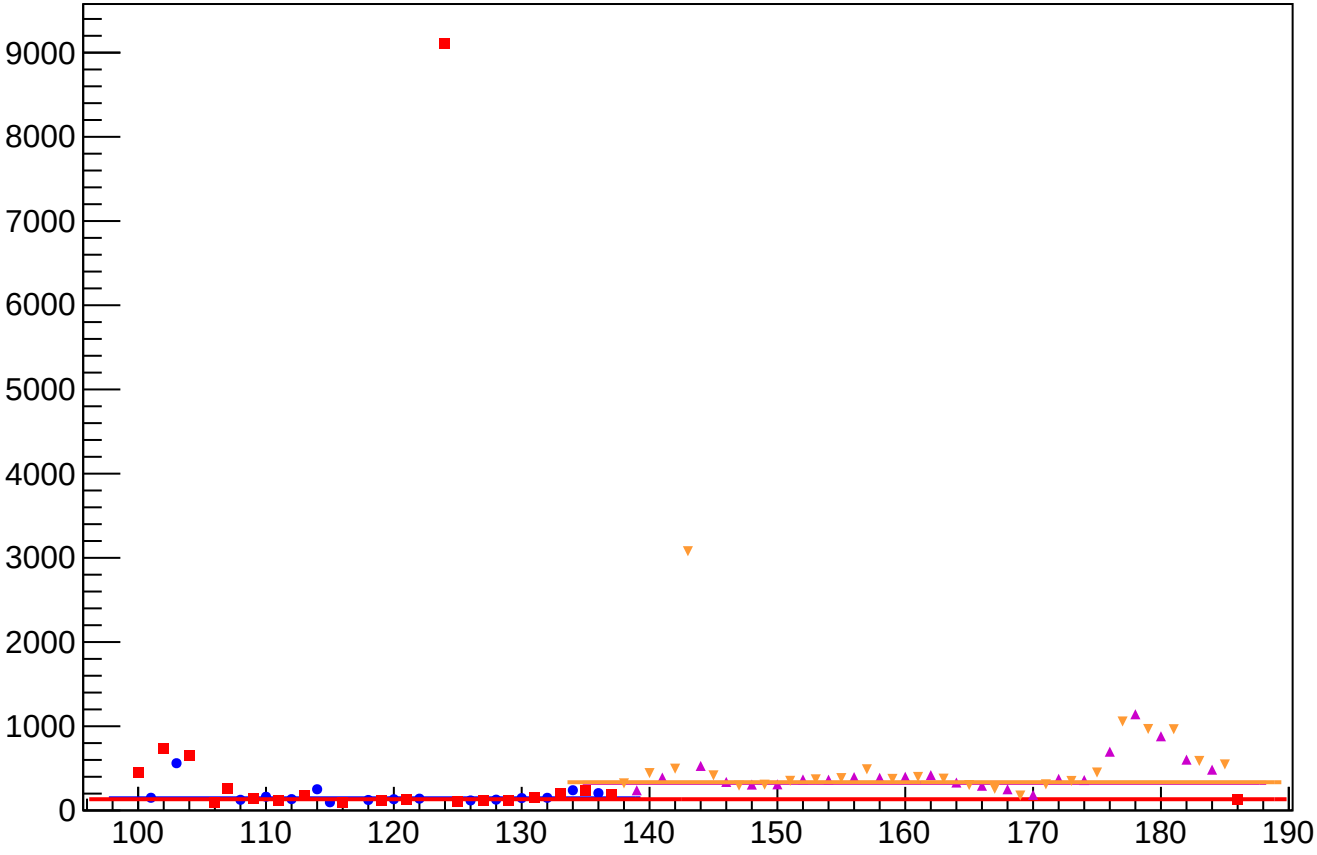
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.037+/-0.048 χ^2/NDF: 50.4/40

All: -0.002+/-0.033 χ^2/NDF: 105.4/83

- sign 0.031+/-0.046 χ^2/NDF: 53.9/42

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

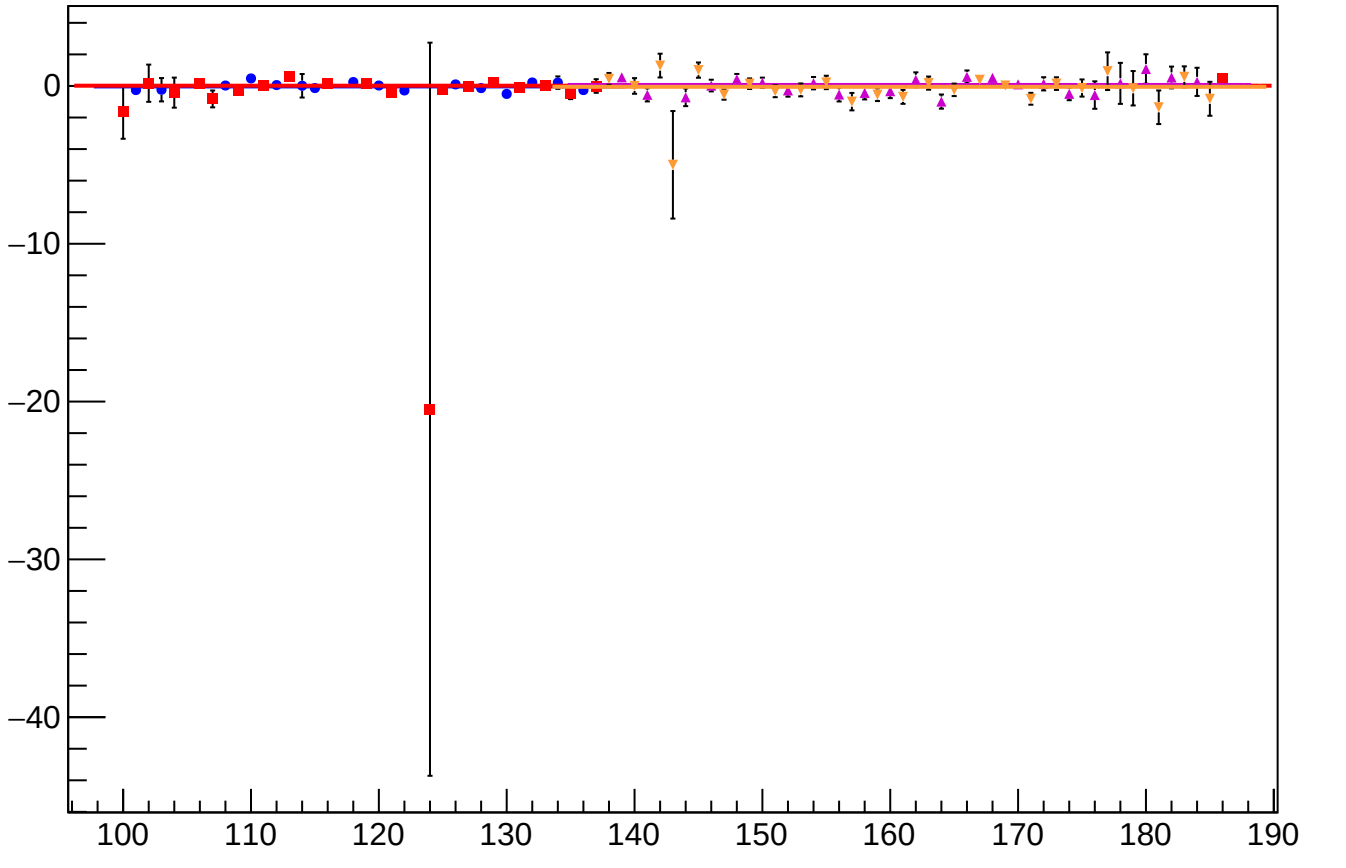
Right Out: 133.333+/-0.039 χ^2/NDF: 2220674.0/19

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 205.062+/-0.034 χ^2/NDF: 13918999.5/40

All: 198.540+/-0.023 χ^2/NDF: 28025559.0/83

- sign 192.567+/-0.032 χ^2/NDF: 14035059.5/42



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.017+/-0.055 χ^2/NDF: 25.7/19

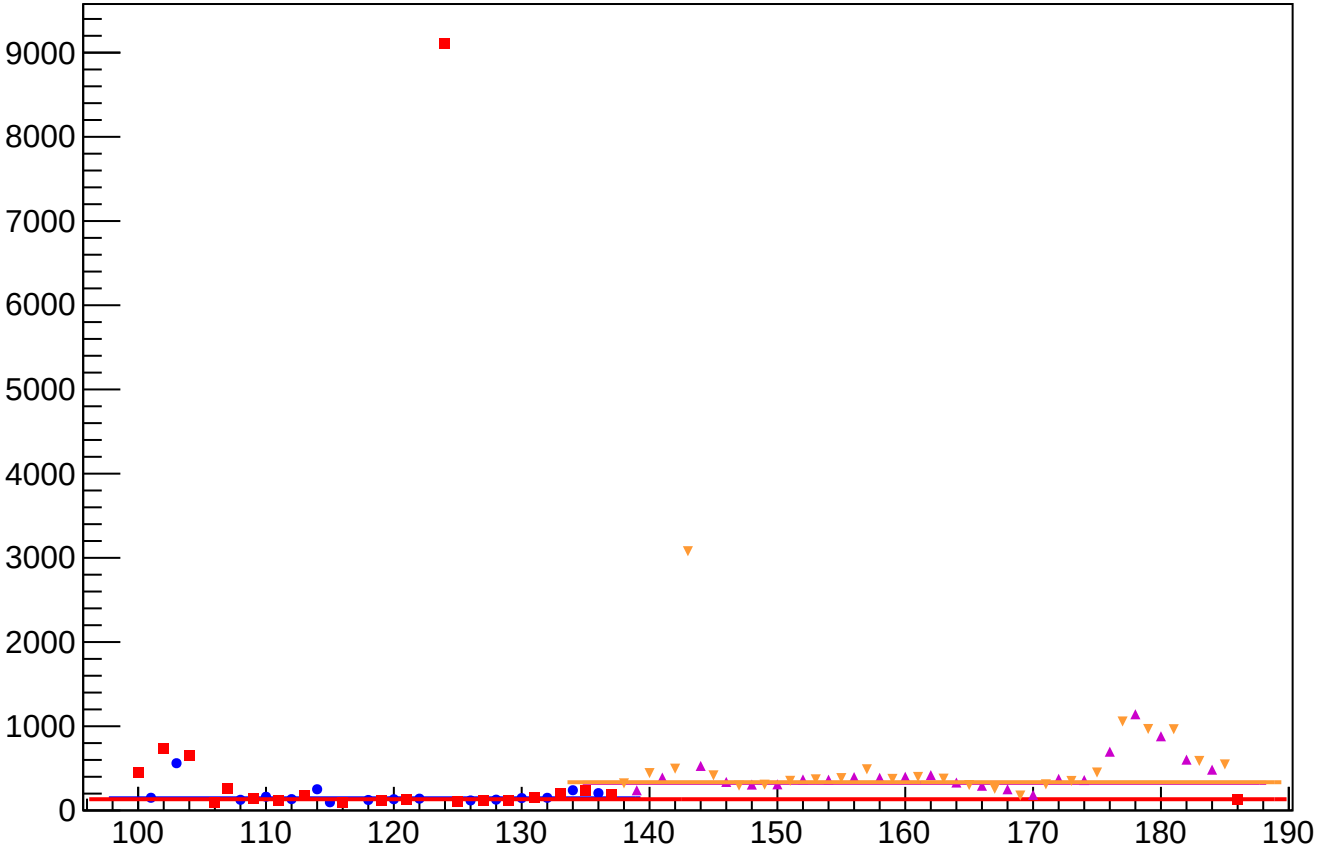
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.037+/-0.048 χ^2/NDF: 50.4/40

All: -0.002+/-0.033 χ^2/NDF: 105.4/83

- sign 0.031+/-0.046 χ^2/NDF: 53.9/42

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 133.333+/-0.039 χ^2/NDF: 2220674.0/19

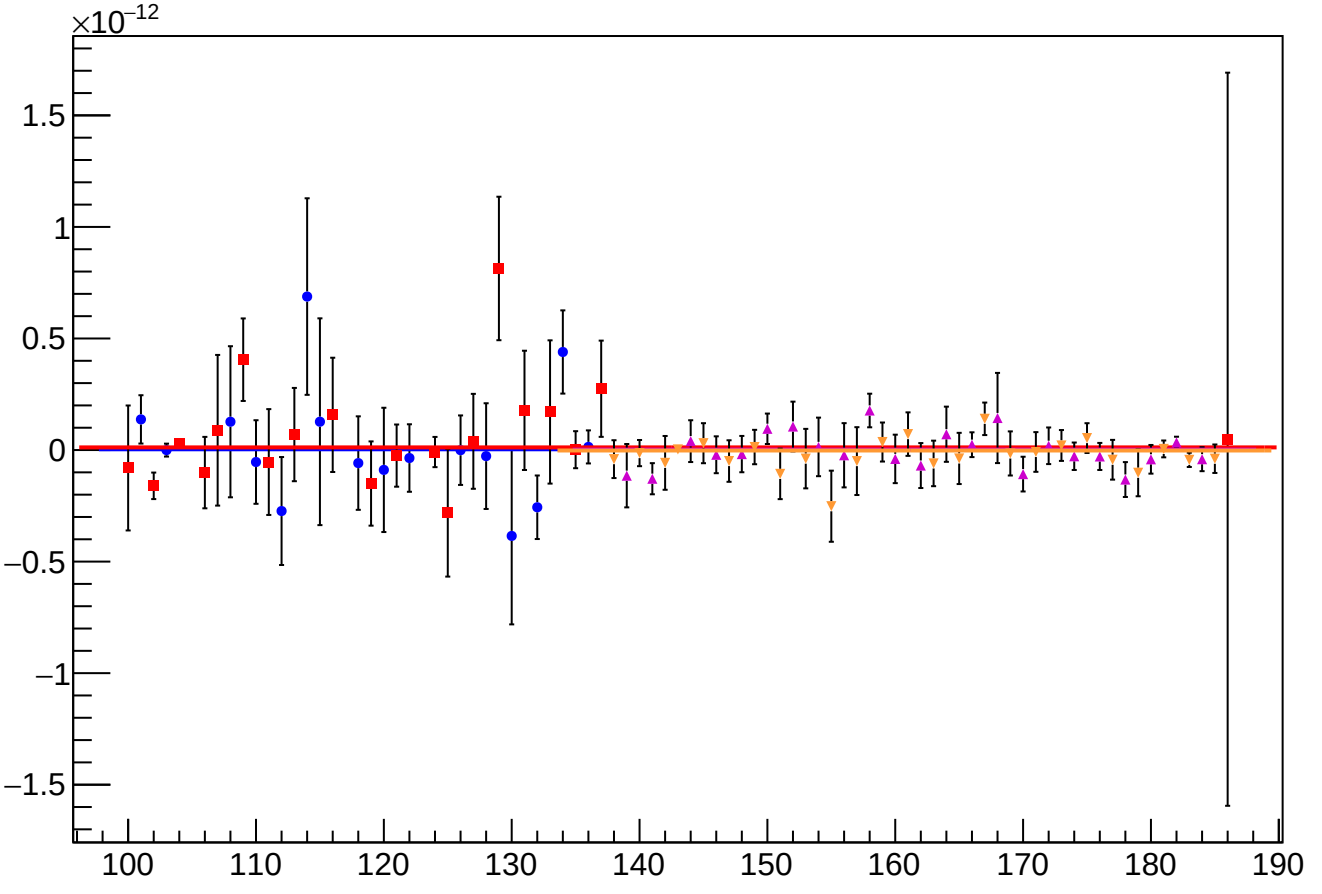
Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 205.062+/-0.034 χ^2/NDF: 13918999.5/40

All: 198.540+/-0.023 χ^2/NDF: 28025559.0/83

- sign 192.567+/-0.032 χ^2/NDF: 14035059.5/42

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/19

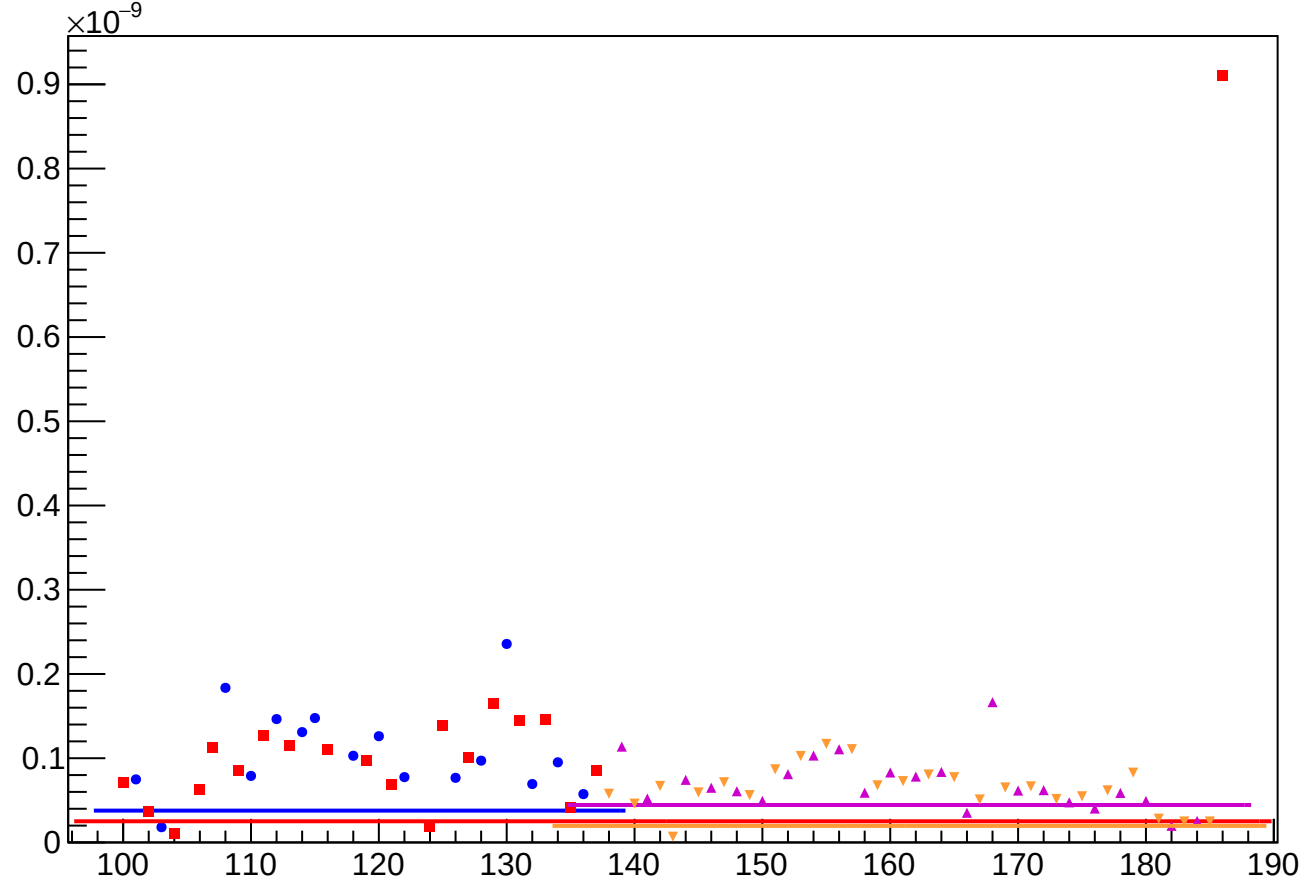
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.3/40

All: 0.000+/-0.000 χ^2/NDF: 77.3/83

- 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: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5283181.3/19

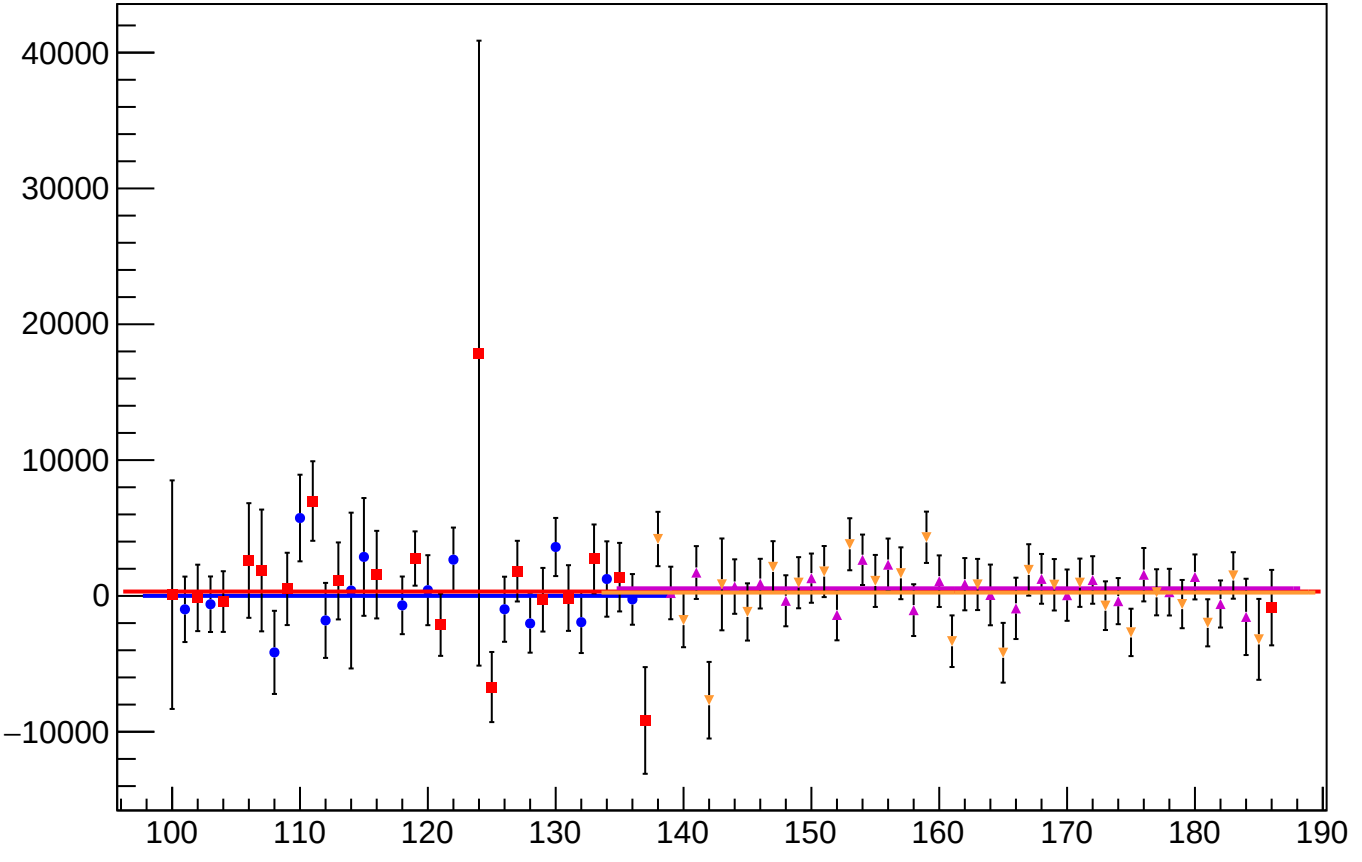
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 19853167.9/40

All: 0.000+/-0.000 χ^2/NDF: 35047783.0/83

- sign 0.000+/-0.000 χ^2/NDF: 12574053.5/42

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 323.106+/-617.802 χ^2/NDF: 24.2/19

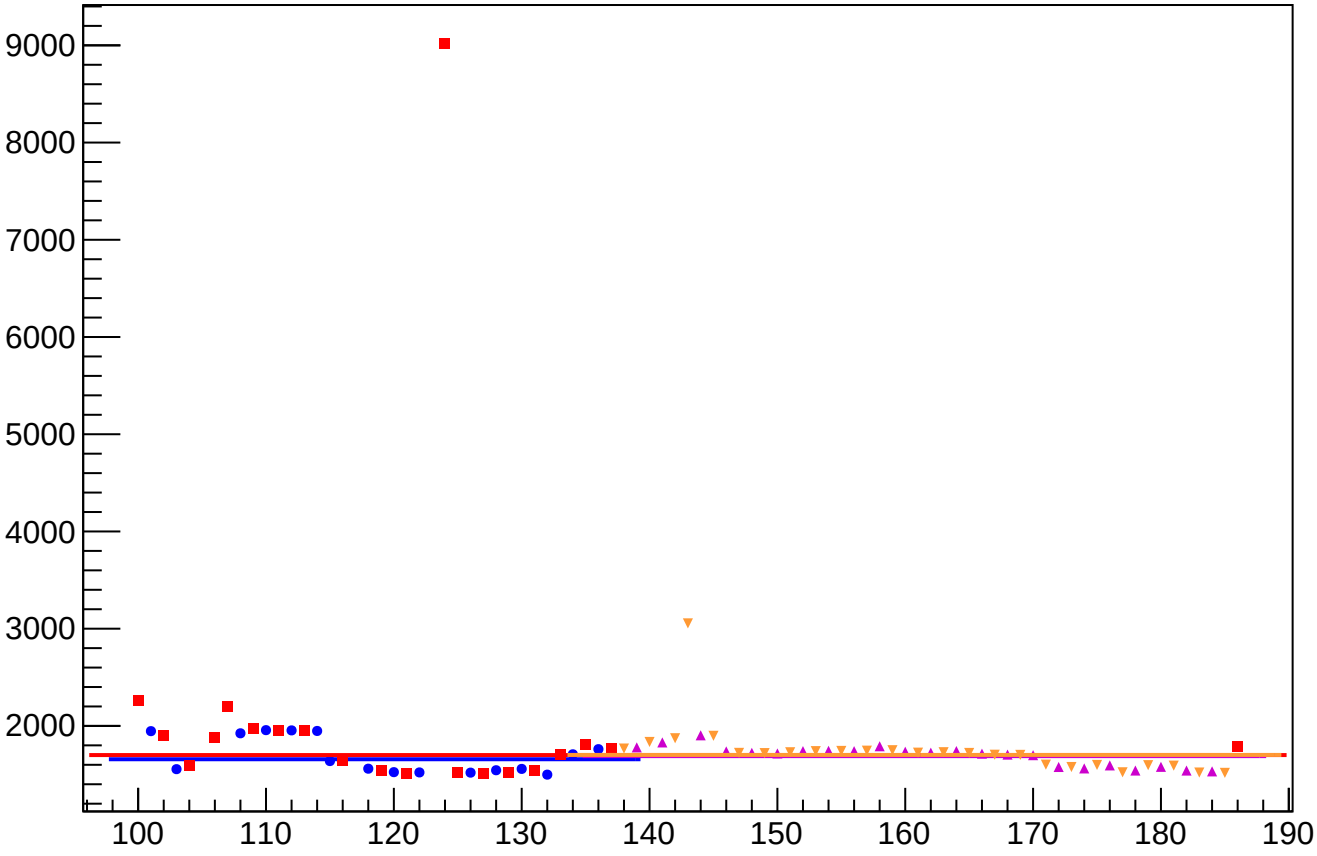
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 179.381+/-329.393 χ^2/NDF: 52.1/40

All: 333.673+/-234.132 χ^2/NDF: 84.4/83

- sign 491.229+/-332.860 χ^2/NDF: 31.9/42

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

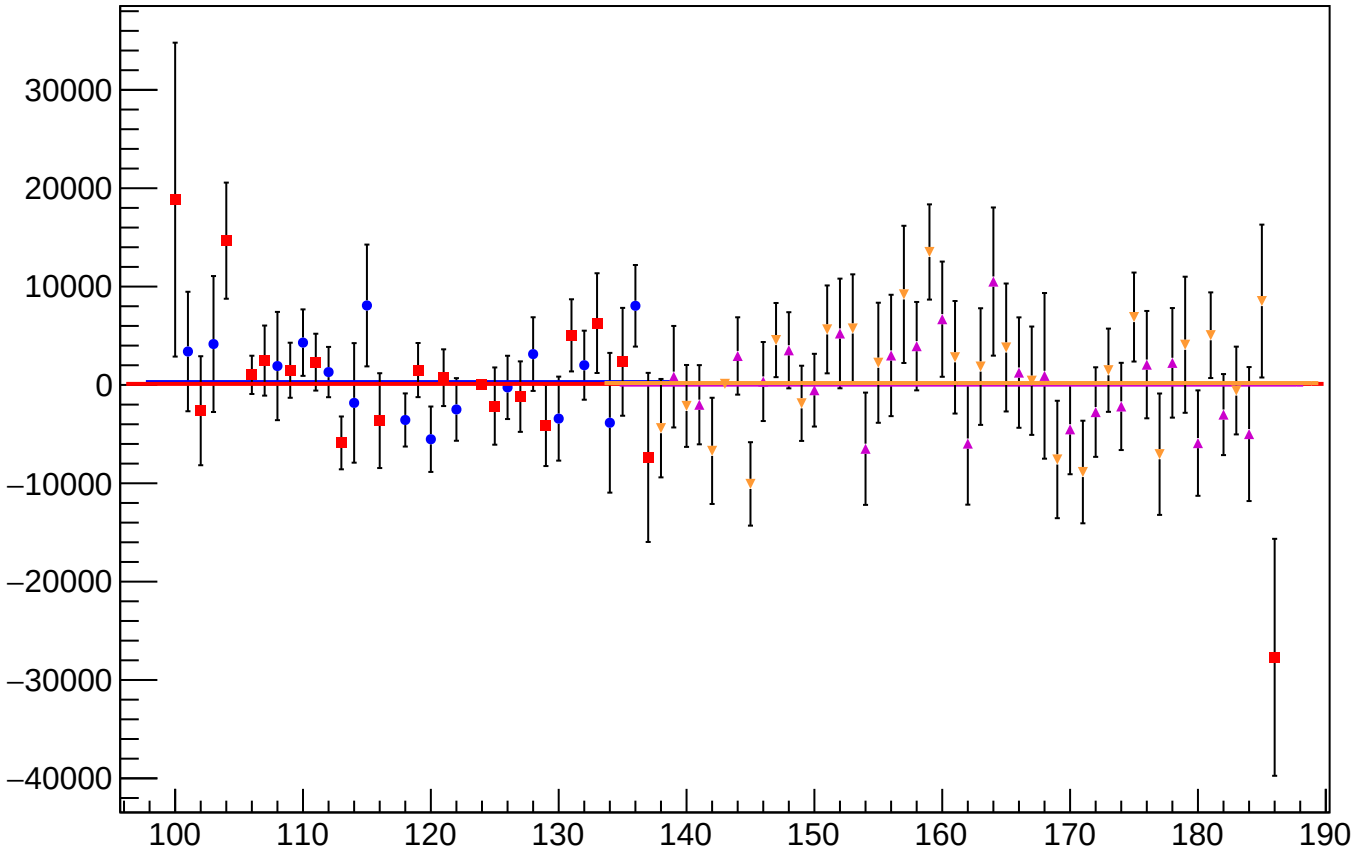
Right Out: 1700.103+/-0.435 χ^2/NDF: 388249.0/19

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1689.029+/-0.233 χ^2/NDF: 603745.7/40

All: 1690.712+/-0.165 χ^2/NDF: 1114858.1/83

- sign 1692.426+/-0.235 χ^2/NDF: 511007.0/42



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 105.512+/-323.598 χ^2/NDF: 26.2/19

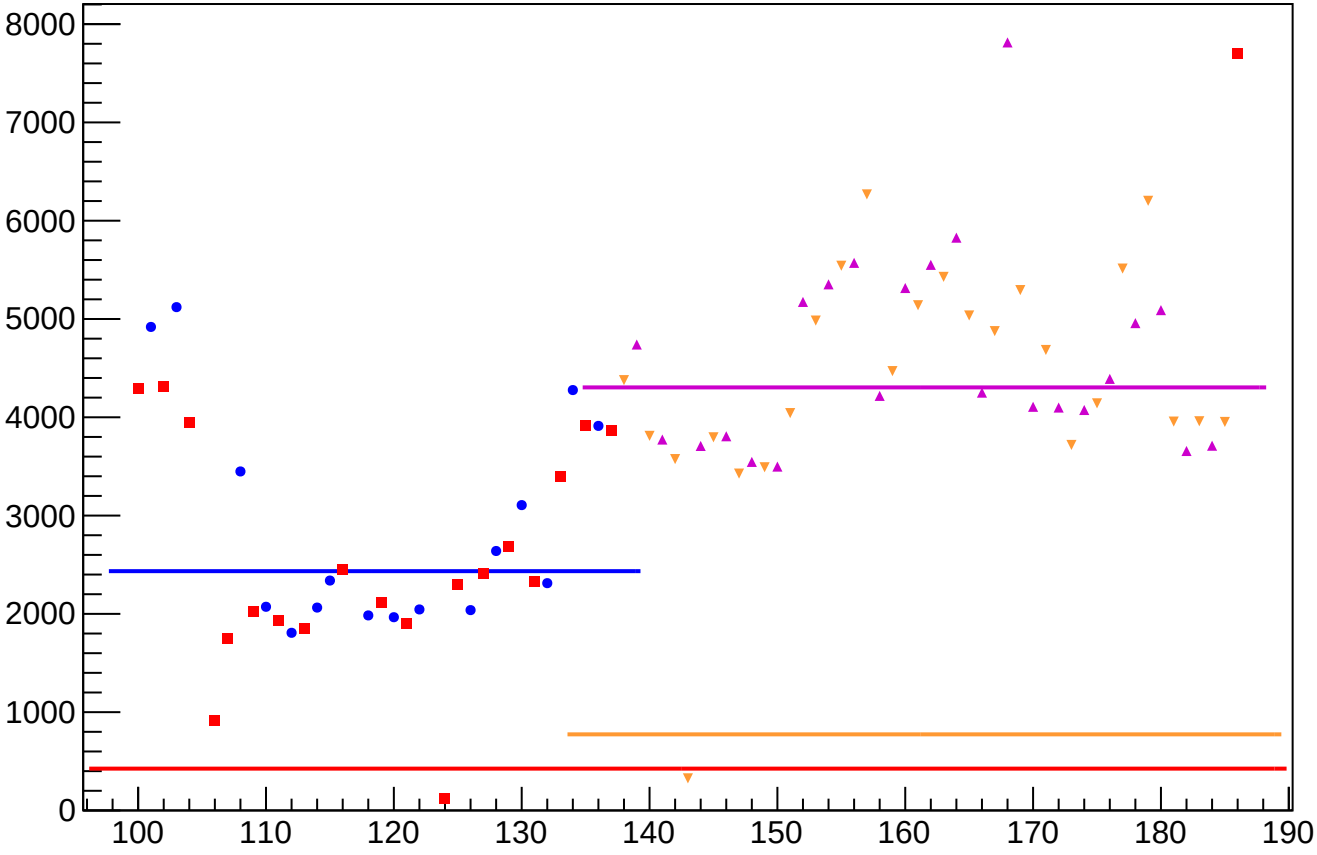
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

\+ sign 204.329+/-323.153 χ^2/NDF: 49.1/40

All: 149.009+/-223.180 χ^2/NDF: 88.6/83

\- sign 98.559+/-308.598 χ^2/NDF: 39.5/42

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 425.549+/-0.229 χ^2/NDF: 11794994.9/19

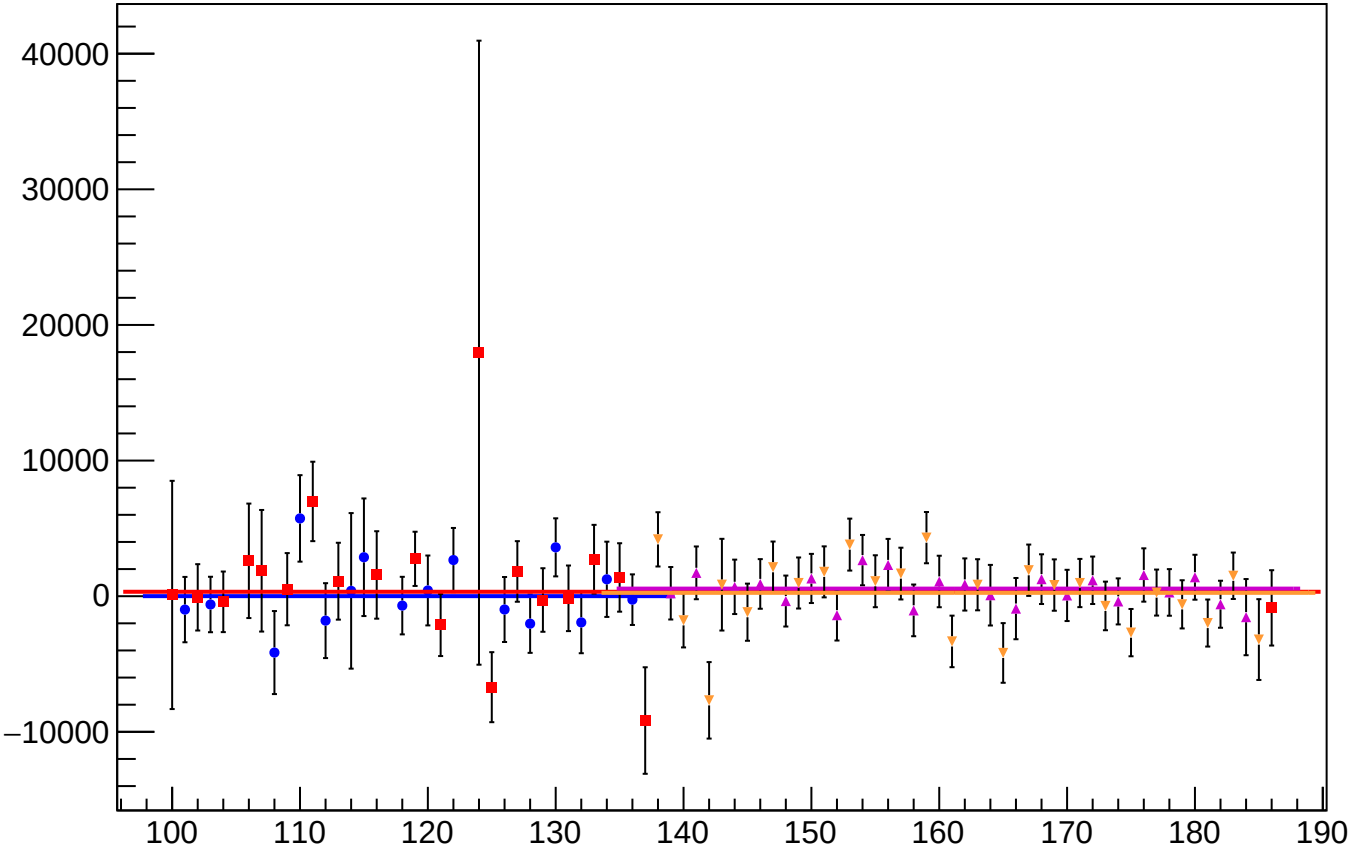
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 961.951+/-0.229 χ^2/NDF: 34837736.8/40

All: 865.100+/-0.158 χ^2/NDF: 74210394.9/83

- sign 776.778+/-0.218 χ^2/NDF: 39029183.7/42

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 327.200+/-617.807 χ^2/NDF: 24.2/19

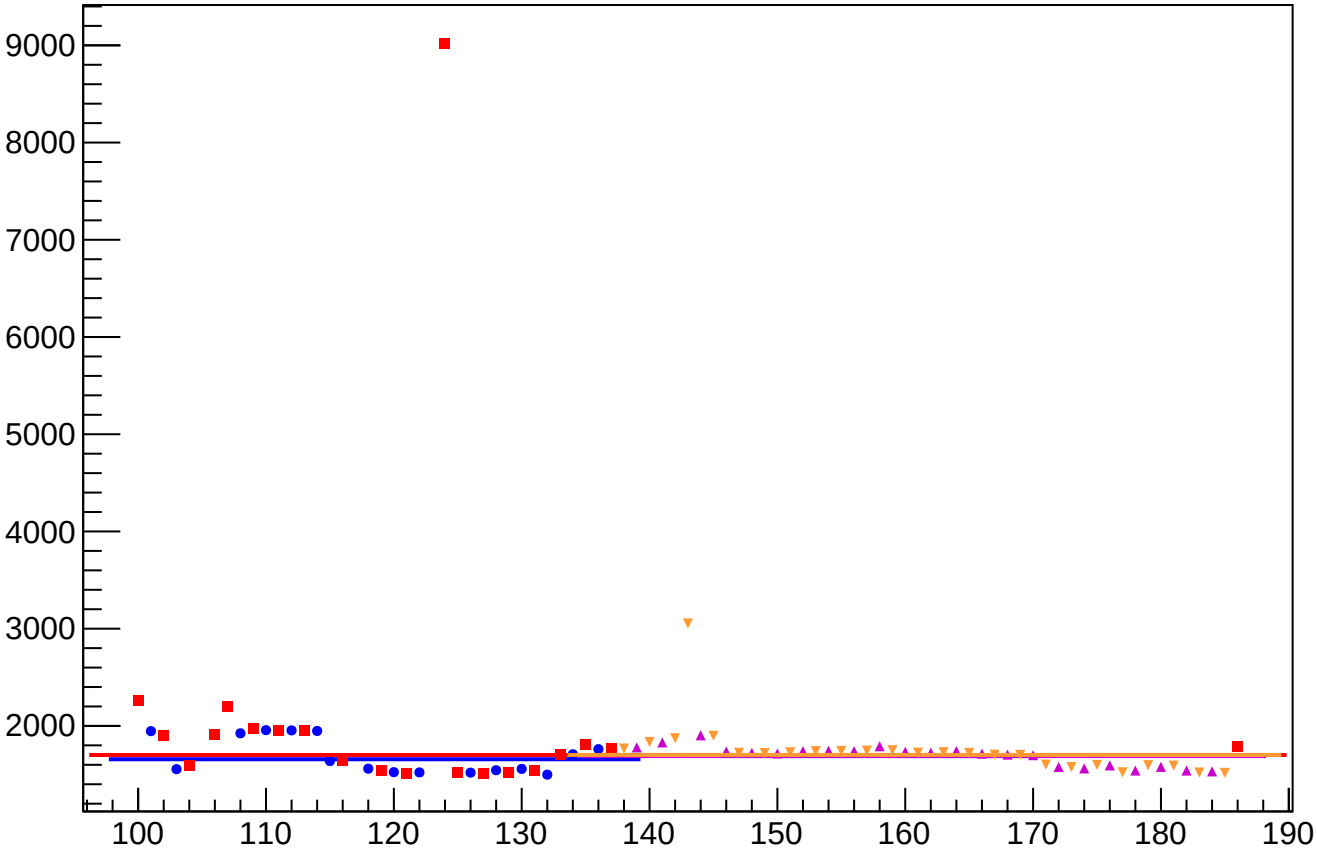
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 179.347+/-329.393 χ^2/NDF: 52.1/40

All: 334.231+/-234.133 χ^2/NDF: 84.4/83

- sign 492.394+/-332.861 χ^2/NDF: 31.9/42

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1700.861+/-0.435 χ^2/NDF: 389971.7/19

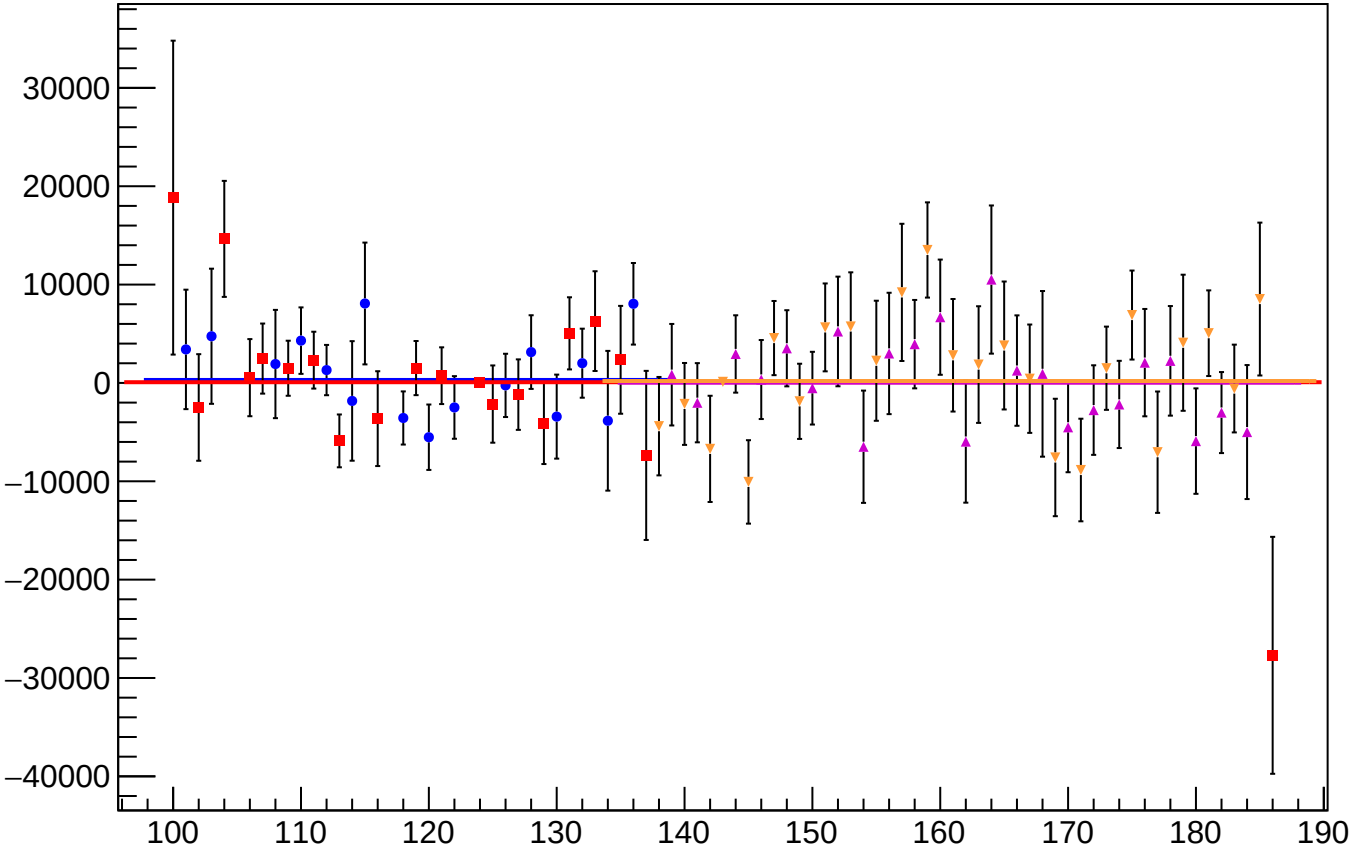
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1689.029+/-0.233 χ^2/NDF: 603745.8/40

All: 1690.820+/-0.165 χ^2/NDF: 1116658.3/83

- sign 1692.646+/-0.235 χ^2/NDF: 512793.1/42

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 73.166+/-315.649 χ^2/NDF: 25.9/19

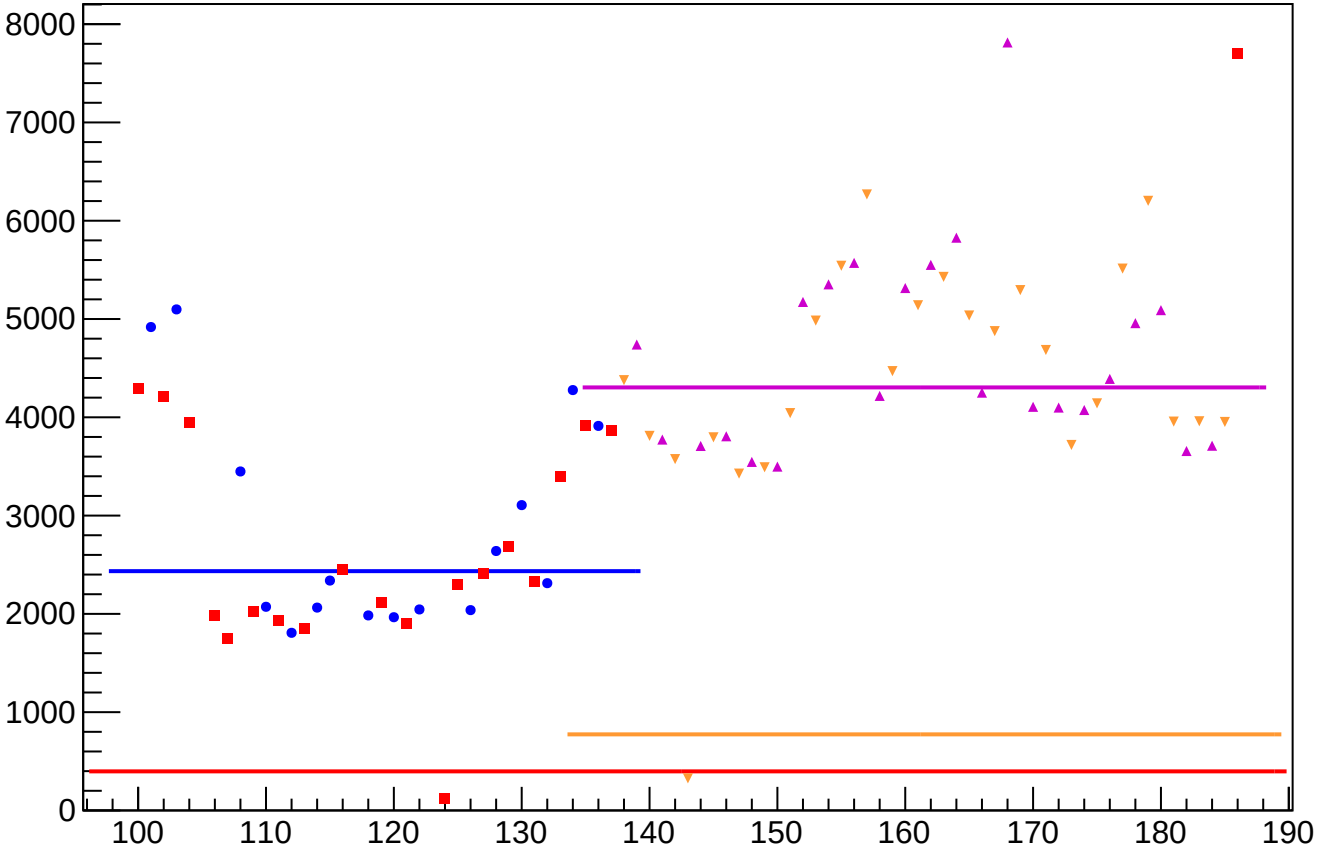
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 206.118+/-323.128 χ^2/NDF: 49.2/40

All: 133.031+/-220.513 χ^2/NDF: 88.6/83

- sign 69.324+/-301.681 χ^2/NDF: 39.2/42

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 397.686+/-0.223 χ^2/NDF: 12144607.3/19

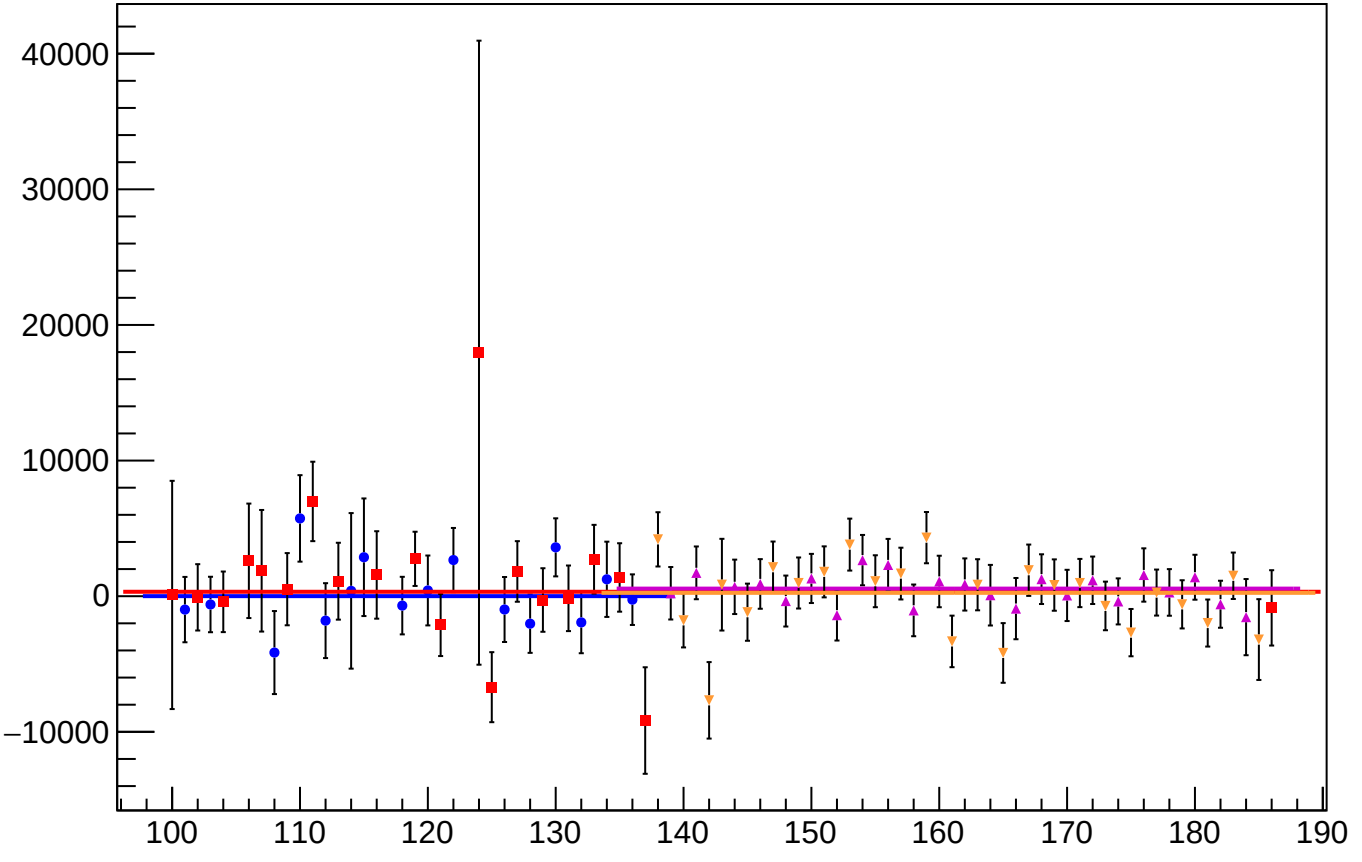
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 961.908+/-0.228 χ^2/NDF: 34839774.1/40

All: 841.079+/-0.156 χ^2/NDF: 75233624.7/83

- sign 735.758+/-0.213 χ^2/NDF: 39870433.7/42

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 327.200+/-617.807 χ^2/NDF: 24.2/19

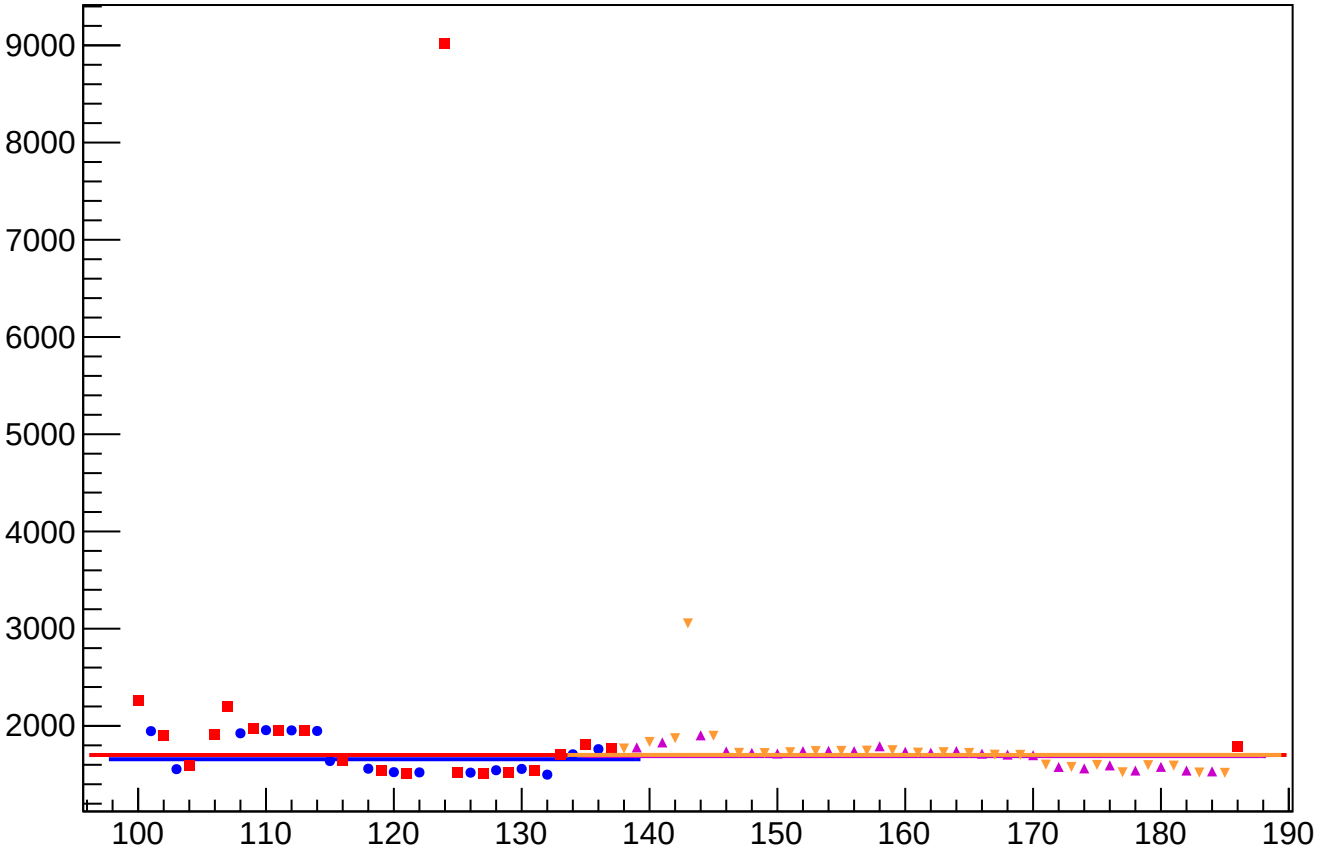
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 179.347+/-329.393 χ^2/NDF: 52.1/40

All: 334.231+/-234.133 χ^2/NDF: 84.4/83

- sign 492.394+/-332.861 χ^2/NDF: 31.9/42

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

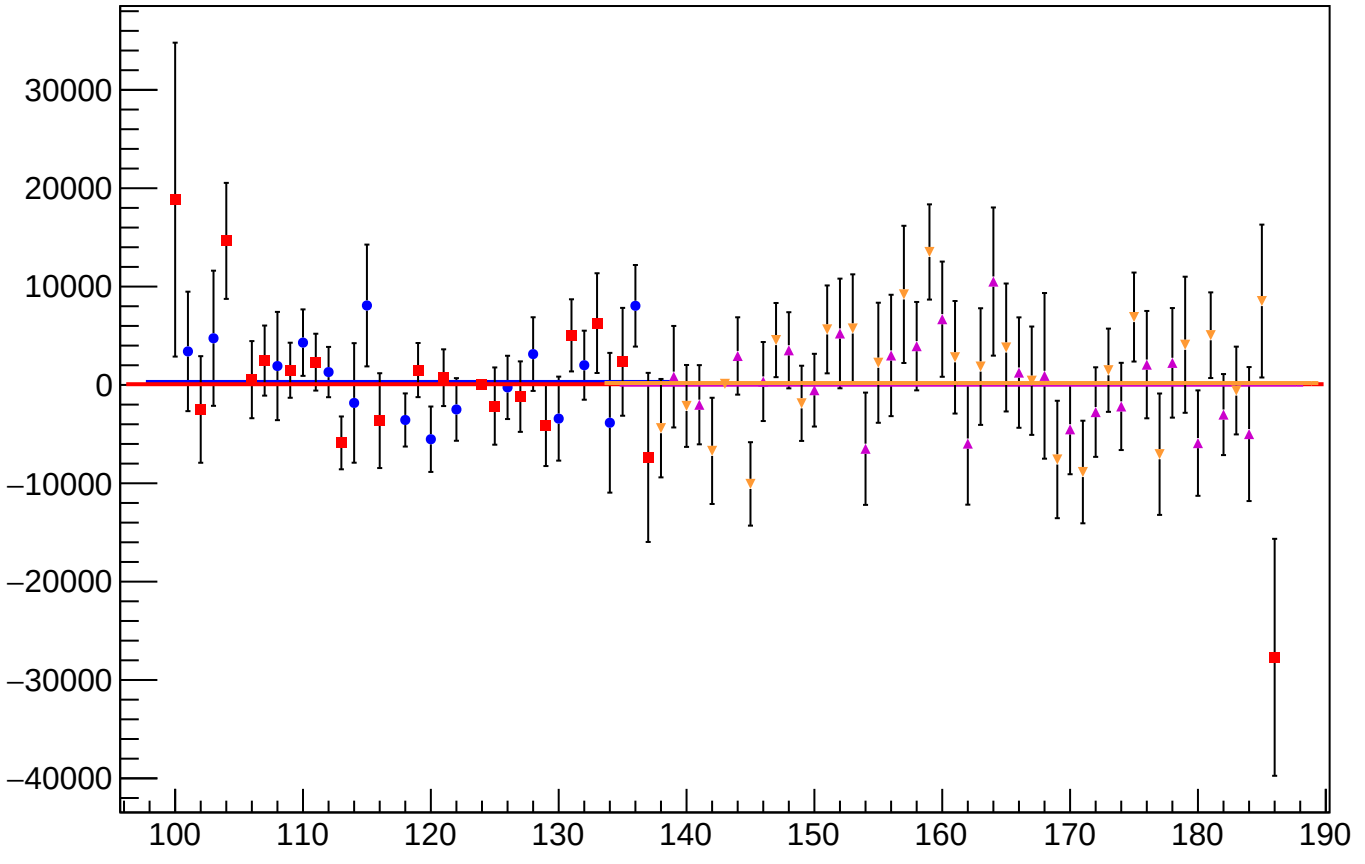
Right Out: 1700.861+/-0.435 χ^2/NDF: 389971.7/19

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1689.029+/-0.233 χ^2/NDF: 603745.8/40

All: 1690.820+/-0.165 χ^2/NDF: 1116658.3/83

- sign 1692.646+/-0.235 χ^2/NDF: 512793.1/42



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 73.166+/-315.649 χ^2/NDF: 25.9/19

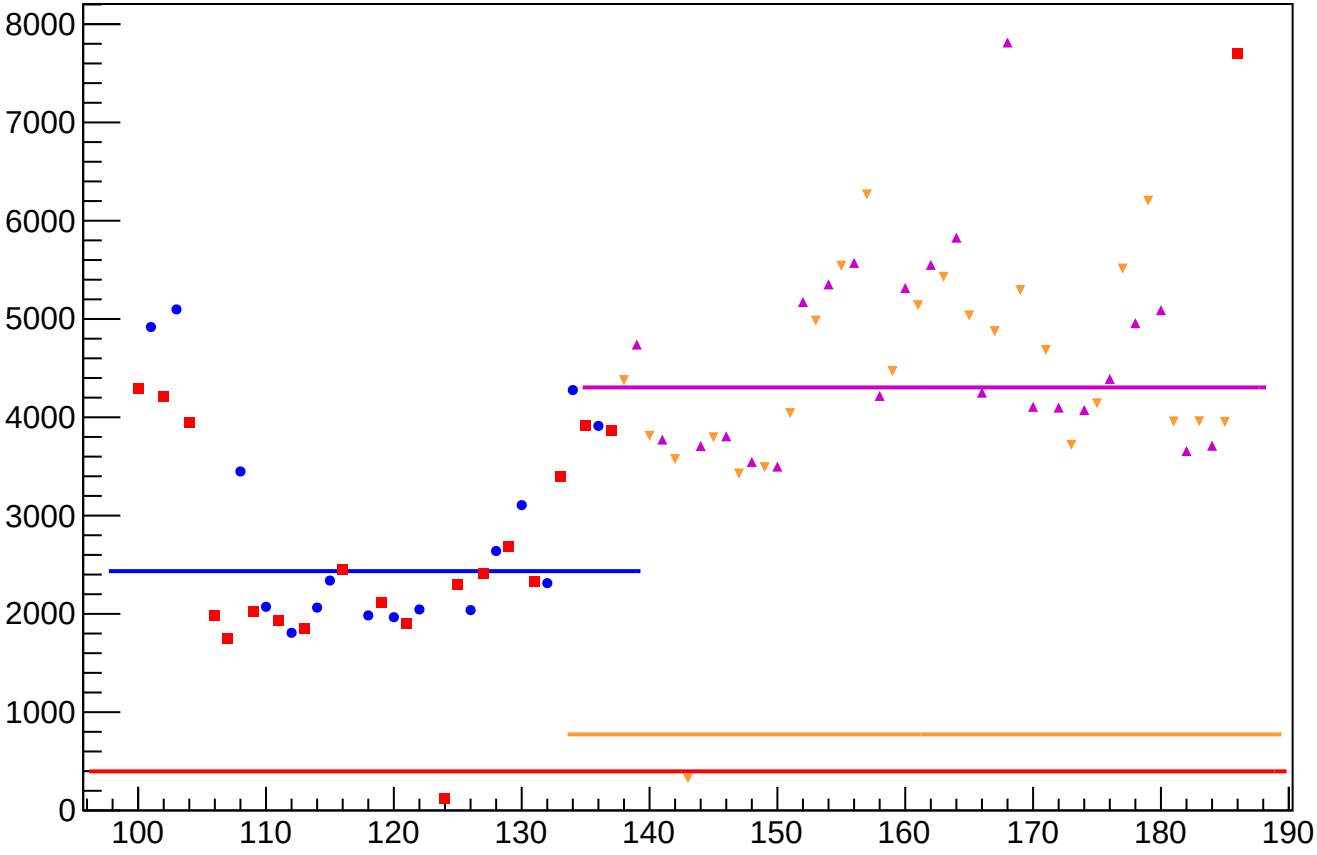
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

\+ sign 206.118+/-323.128 χ^2/NDF: 49.2/40

All: 133.031+/-220.513 χ^2/NDF: 88.6/83

\- sign 69.324+/-301.681 χ^2/NDF: 39.2/42

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 397.686+/-0.223 χ^2/NDF: 12144607.3/19

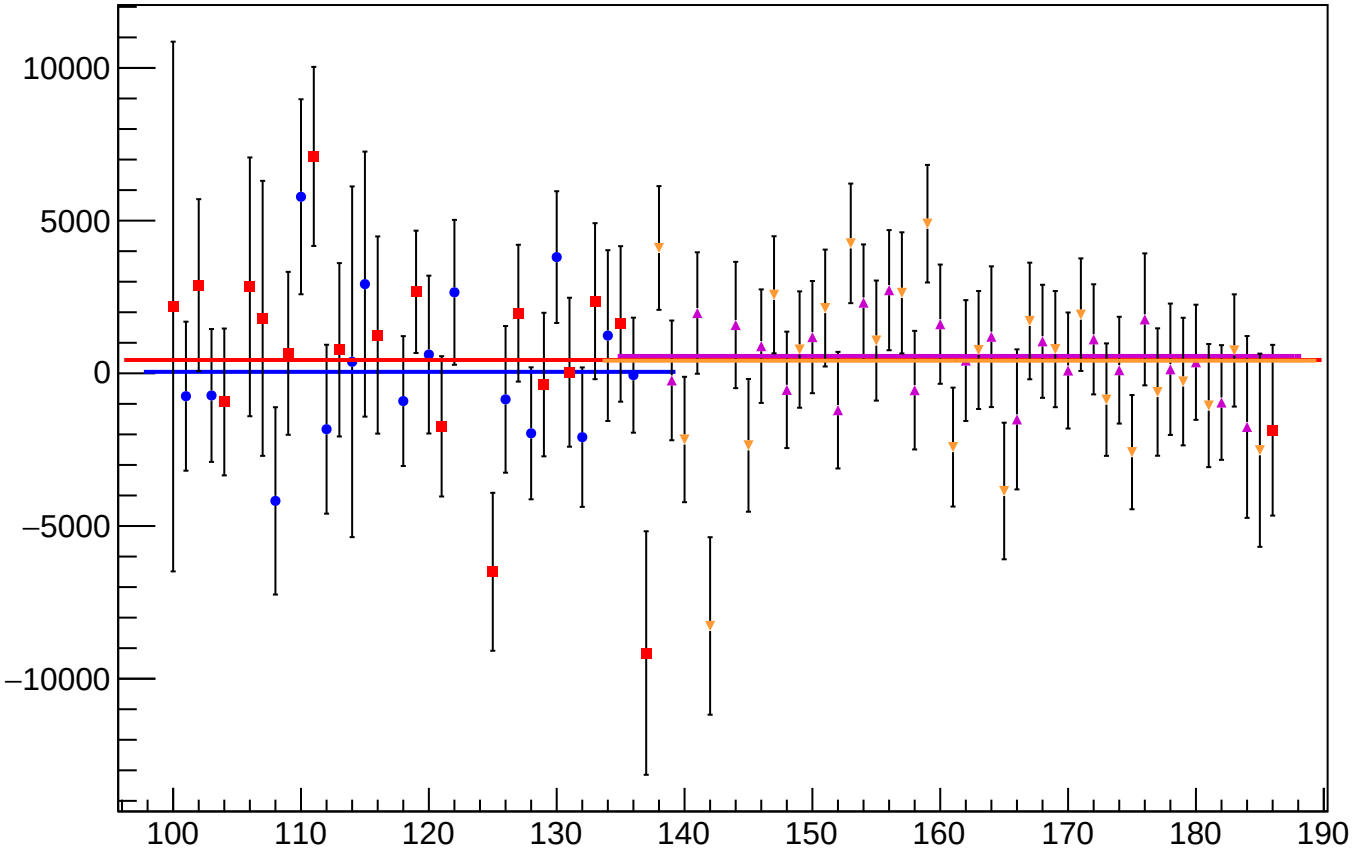
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 961.908+/-0.228 χ^2/NDF: 34839774.1/40

All: 841.079+/-0.156 χ^2/NDF: 75233624.7/83

- sign 735.758+/-0.213 χ^2/NDF: 39870433.7/42

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 437.049+/-628.759 χ^2/NDF: 24.0/18

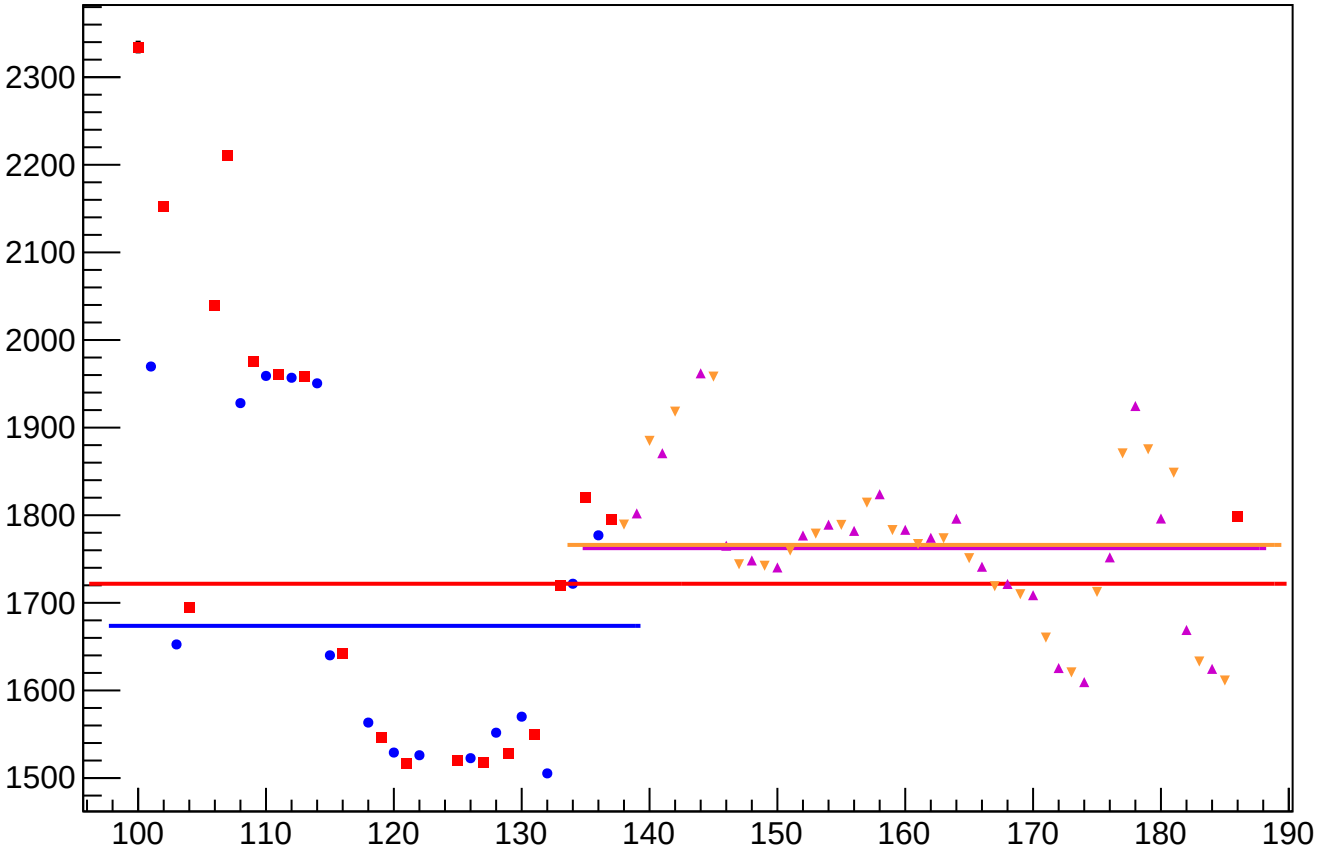
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 303.583+/-343.322 χ^2/NDF: 53.0/39

All: 415.976+/-243.229 χ^2/NDF: 85.0/81

- sign 529.232+/-344.639 χ^2/NDF: 31.7/41

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

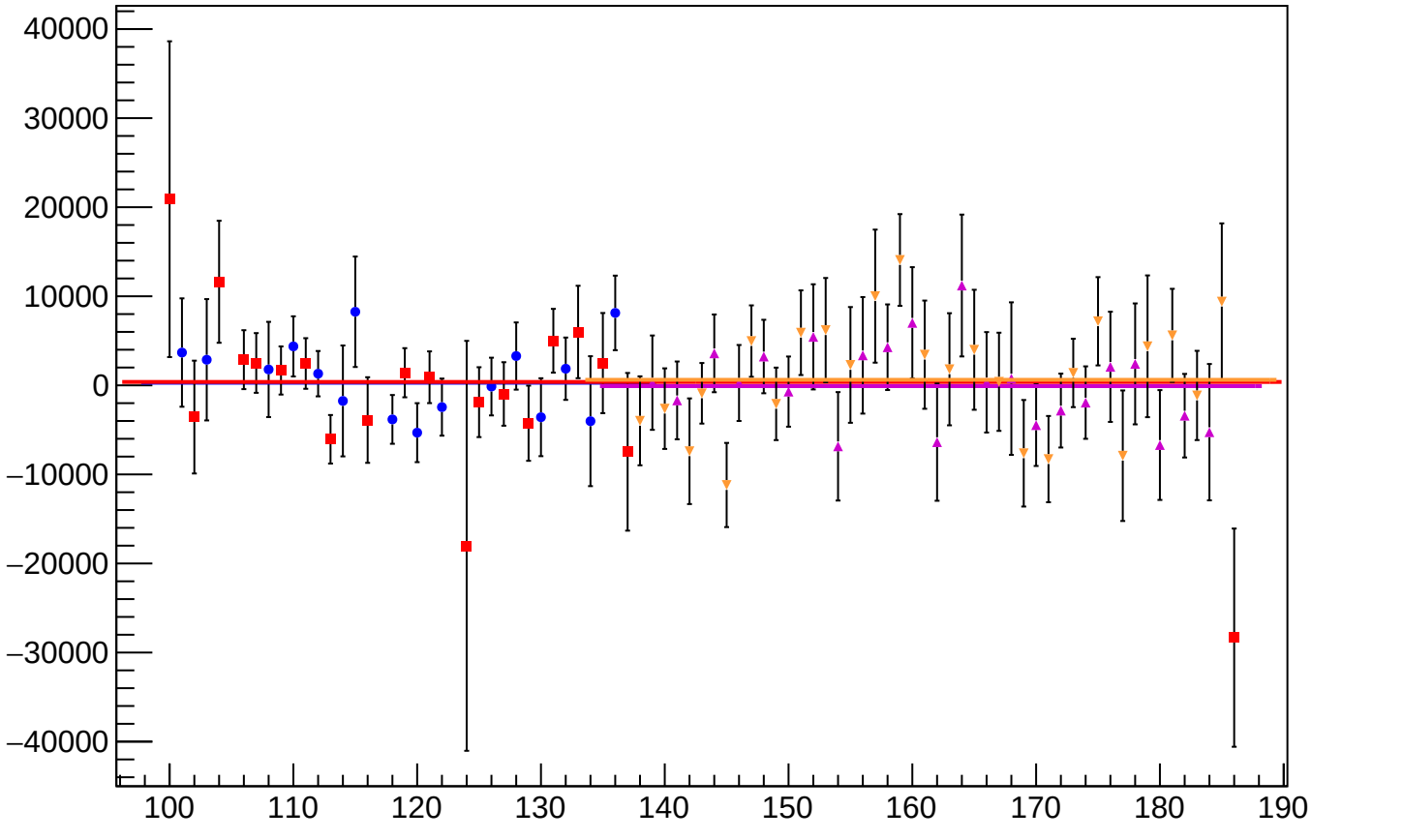
Right Out: 1721.778+/-0.444 χ^2/NDF: 229224.7/18

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1738.340+/-0.243 χ^2/NDF: 254575.7/39

All: 1744.232+/-0.172 χ^2/NDF: 570932.5/81

- sign 1750.161+/-0.244 χ^2/NDF: 315174.9/41



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 381.522+/-881.676 χ^2/NDF: 24.3/19

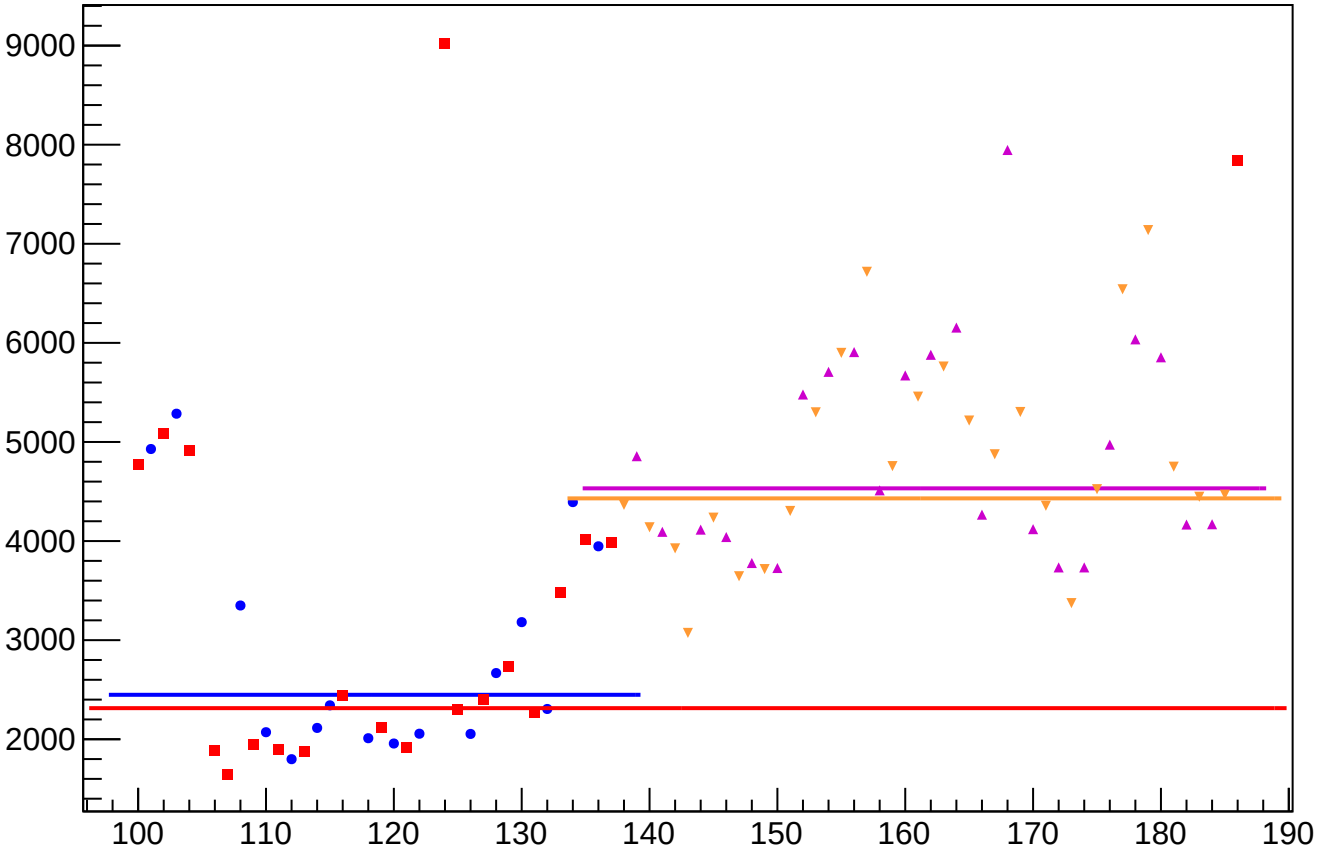
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

\+ sign 446.791+/-705.574 χ^2/NDF: 48.4/40

All: 317.053+/-490.970 χ^2/NDF: 85.7/83

\- sign 195.264+/-683.620 χ^2/NDF: 37.3/42

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

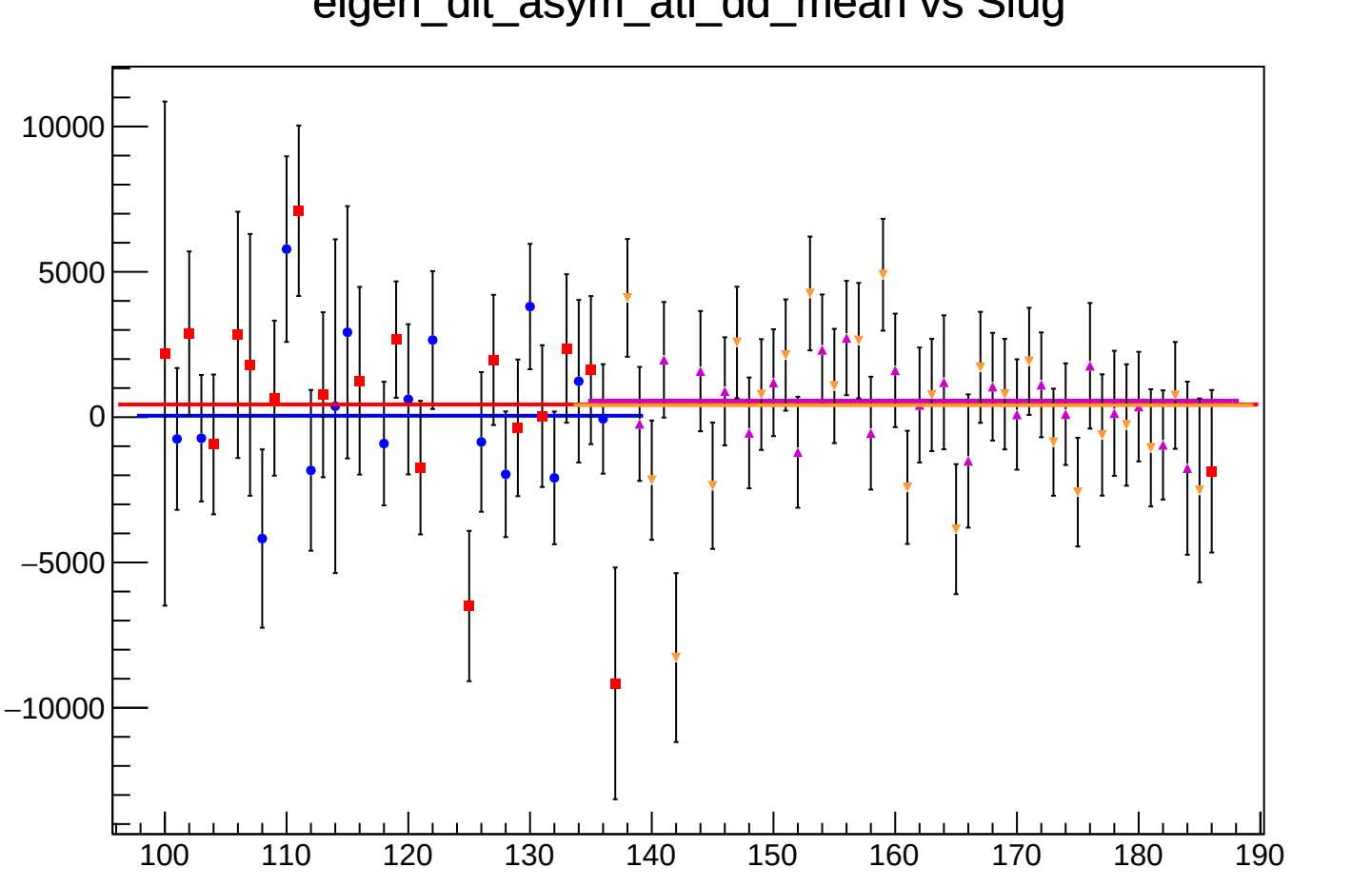
Right Out: 2313.831+/-0.623 χ^2/NDF: 1957411.4/19

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3370.401+/-0.499 χ^2/NDF: 7057771.4/40

All: 3281.703+/-0.347 χ^2/NDF: 15501243.2/8

- sign 3198.439+/-0.483 χ^2/NDF: 8382195.3/42



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 437.053+/-628.759 χ^2/NDF: 24.0/18

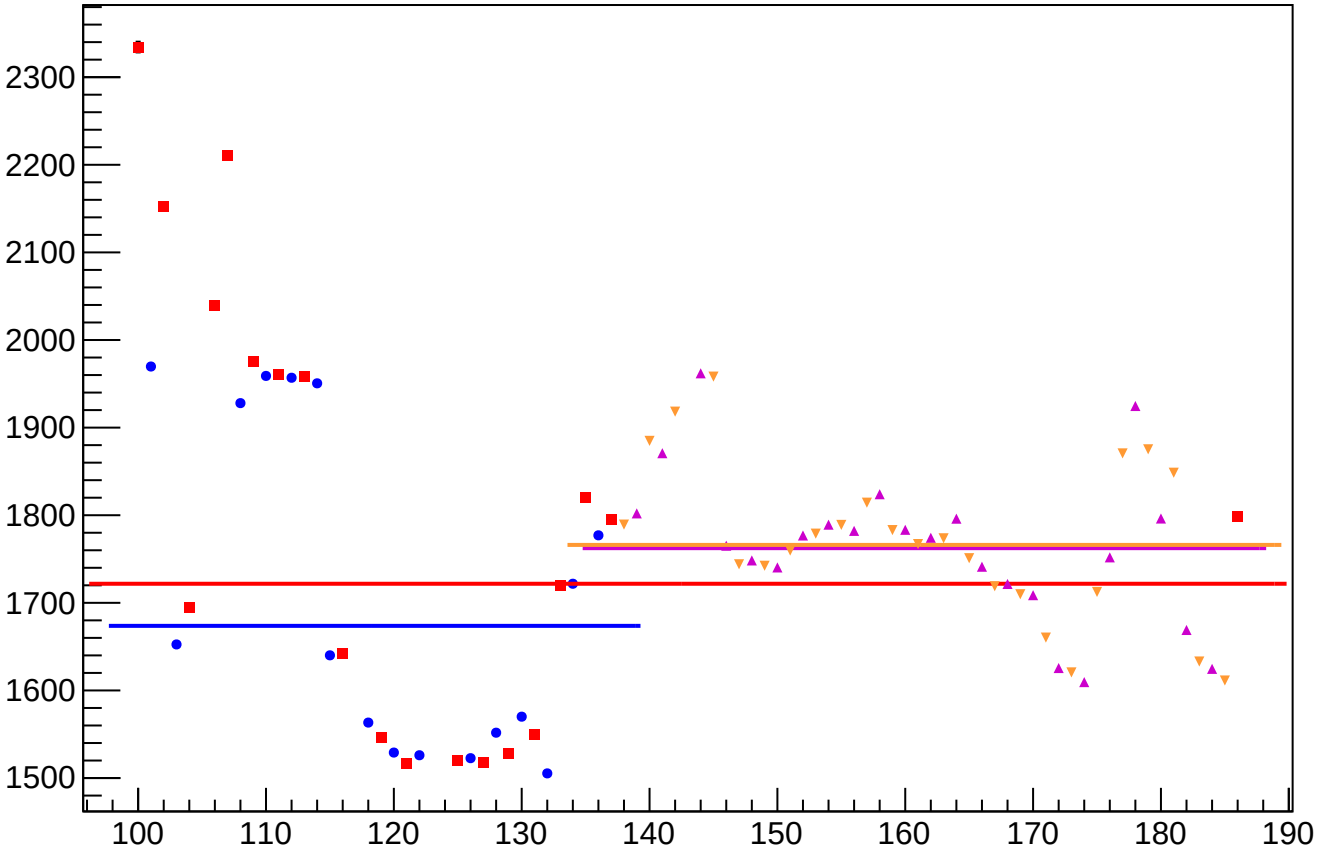
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 303.583+/-343.322 χ^2/NDF: 53.0/39

All: 415.976+/-243.230 χ^2/NDF: 85.0/81

- sign 529.233+/-344.639 χ^2/NDF: 31.7/41

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

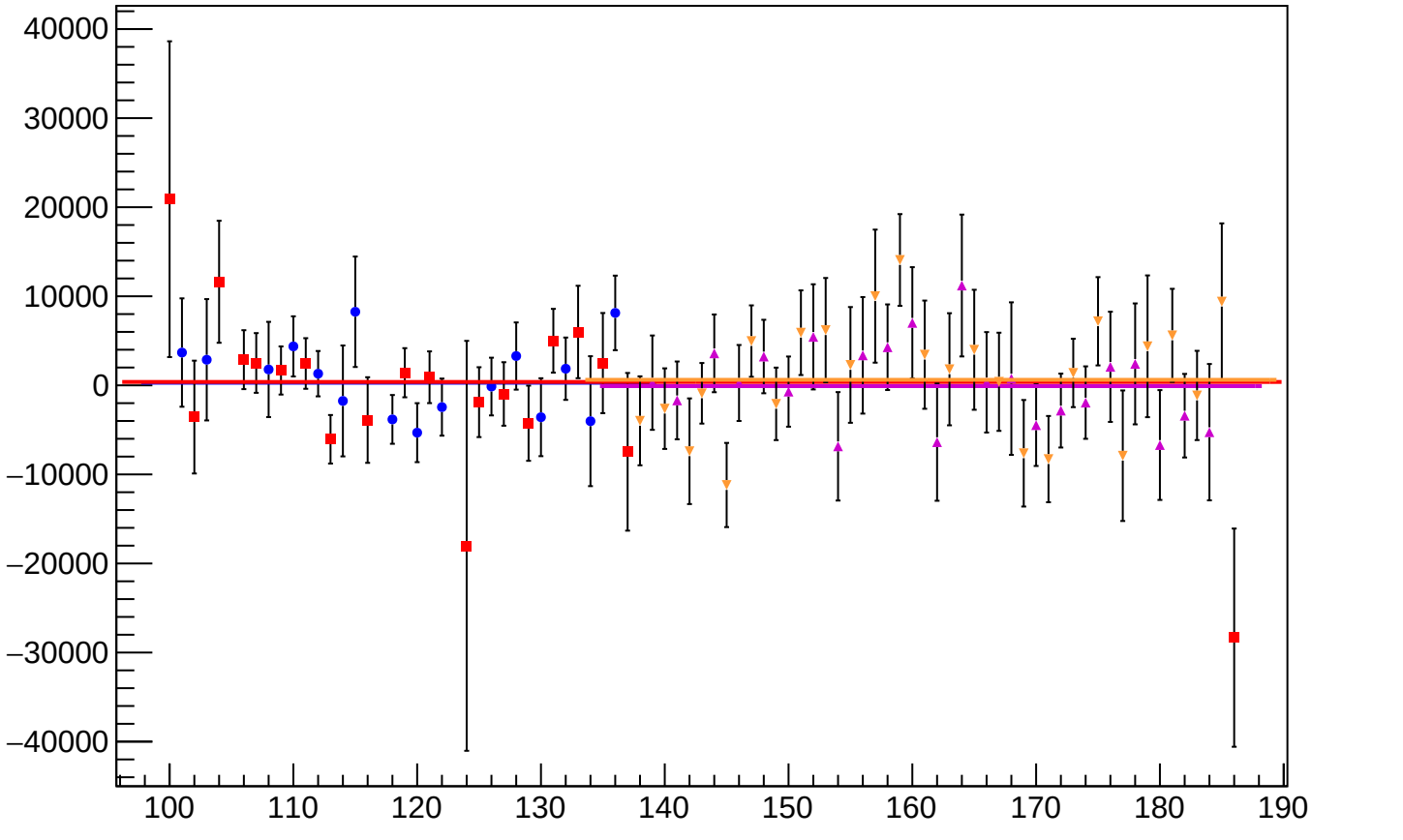
Right Out: 1721.777+/-0.444 χ^2/NDF: 229224.0/18

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1738.341+/-0.243 χ^2/NDF: 254579.5/39

All: 1744.233+/-0.172 χ^2/NDF: 570938.4/81

- sign 1750.162+/-0.244 χ^2/NDF: 315177.1/41



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

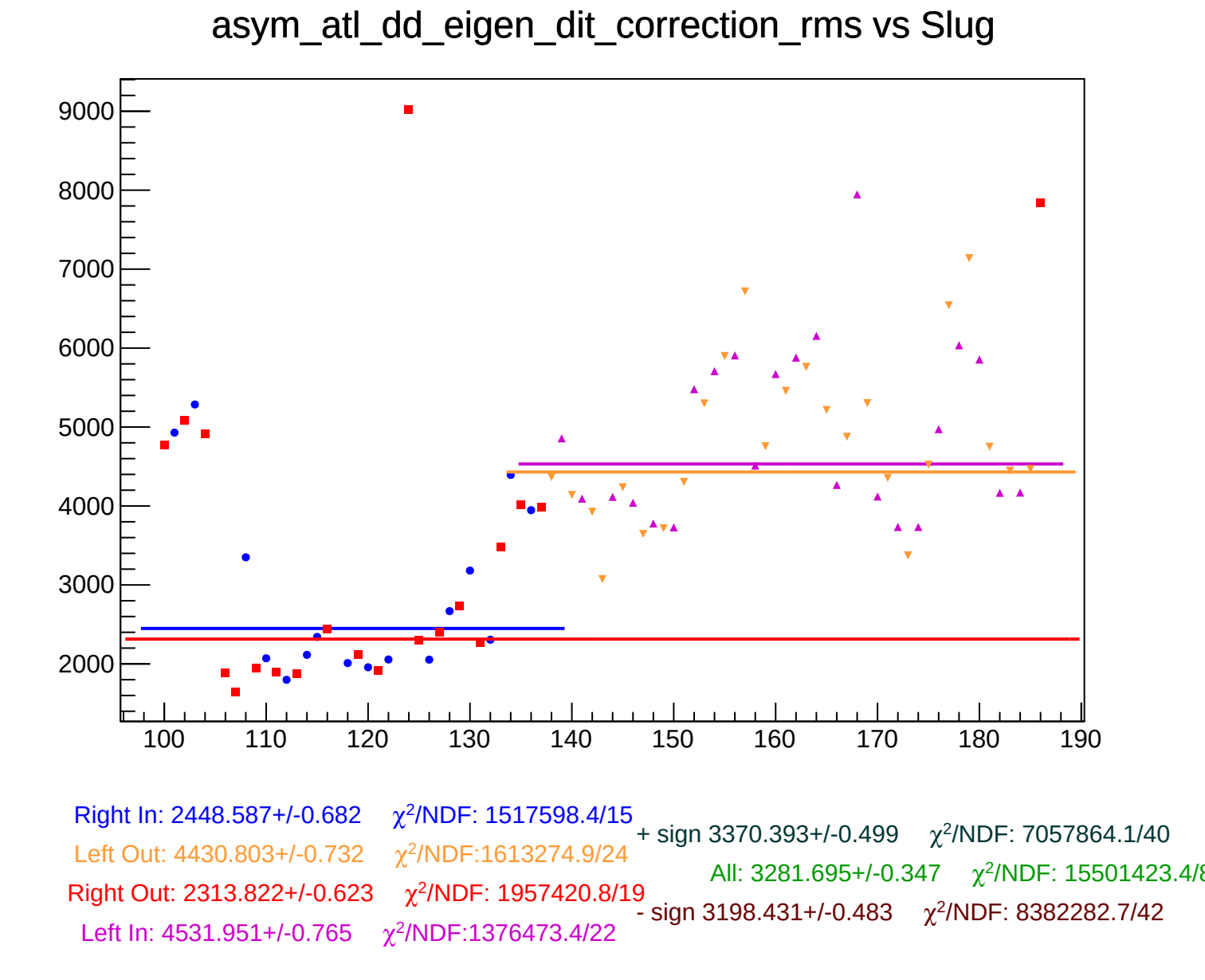
Right Out: 381.525+/-881.673 χ^2/NDF: 24.3/19

Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 446.789+/-705.573 χ^2/NDF: 48.4/40

All: 317.054+/-490.969 χ^2/NDF: 85.7/83

- sign 195.267+/-683.619 χ^2/NDF: 37.3/42


asym_atl_dd_eigen_dit_correction_rms vs Slug
9000
8000
7000
6000
5000
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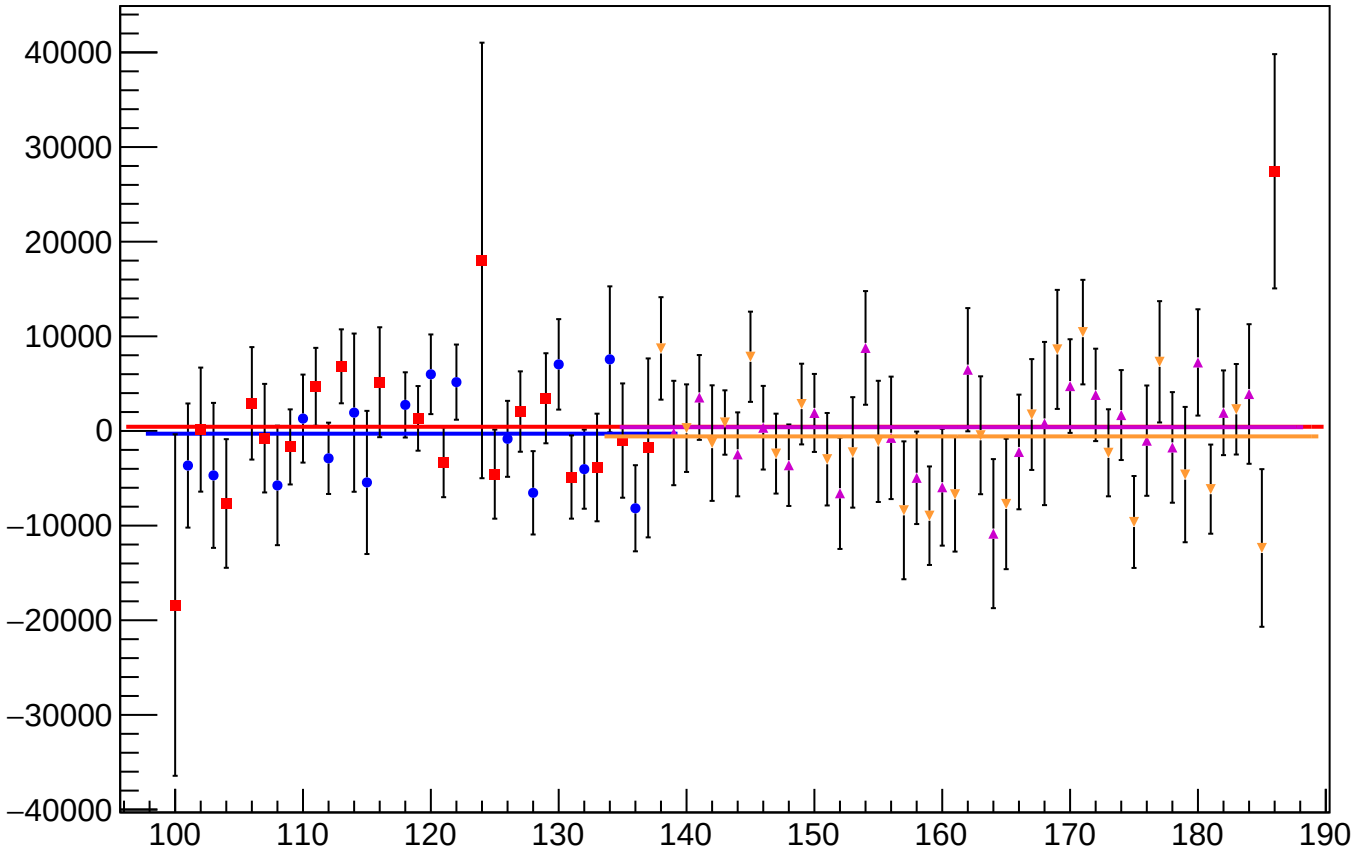
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2448.587+/-0.682 χ²/NDF: 1517598.4/15
Left Out: 4430.803+/-0.732 χ²/NDF:1613274.9/24
Right Out: 2313.822+/-0.623 χ²/NDF: 1957420.8/19
Left In: 4531.951+/-0.765 χ²/NDF:1376473.4/22
+ sign 3370.393+/-0.499 χ²/NDF: 7057864.1/40
All: 3281.695+/-0.347 χ²/NDF: 15501423.4/8
- sign 3198.431+/-0.483 χ²/NDF: 8382282.7/42



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 444.040+/-1148.762 χ^2/NDF: 17.7/19

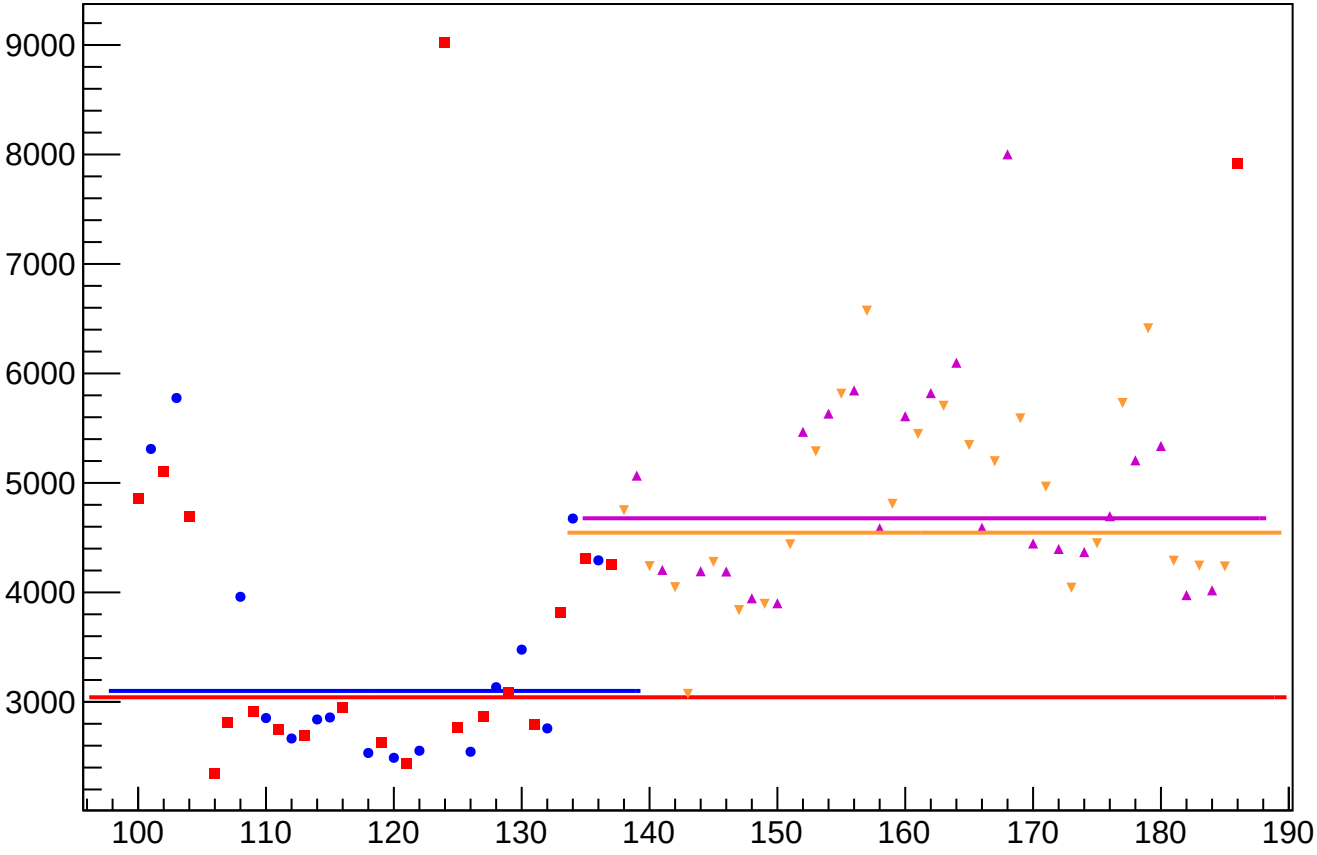
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -448.213+/-791.493 χ^2/NDF: 45.4/40

All: -17.476+/-561.974 χ^2/NDF: 77.6/83

- sign 420.429+/-798.051 χ^2/NDF: 31.7/42

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

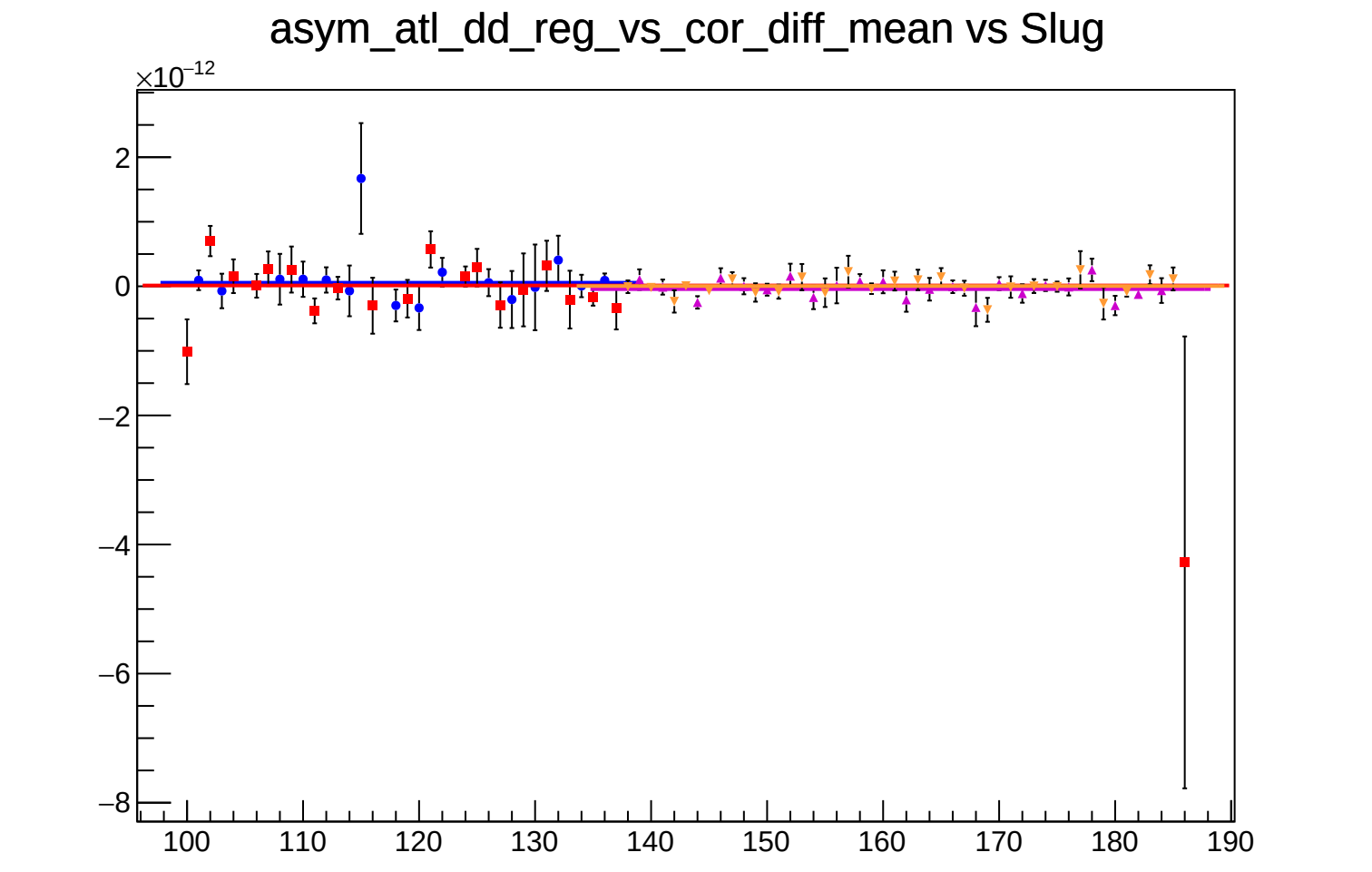
Right Out: 3042.016+/-0.801 χ^2/NDF: 1120143.7/19

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

+ sign 3913.901+/-0.560 χ^2/NDF: 3863060.6/40

All: 3895.457+/-0.396 χ^2/NDF: 8070727.2/83

- sign 3876.951+/-0.561 χ^2/NDF: 4205490.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.5/19

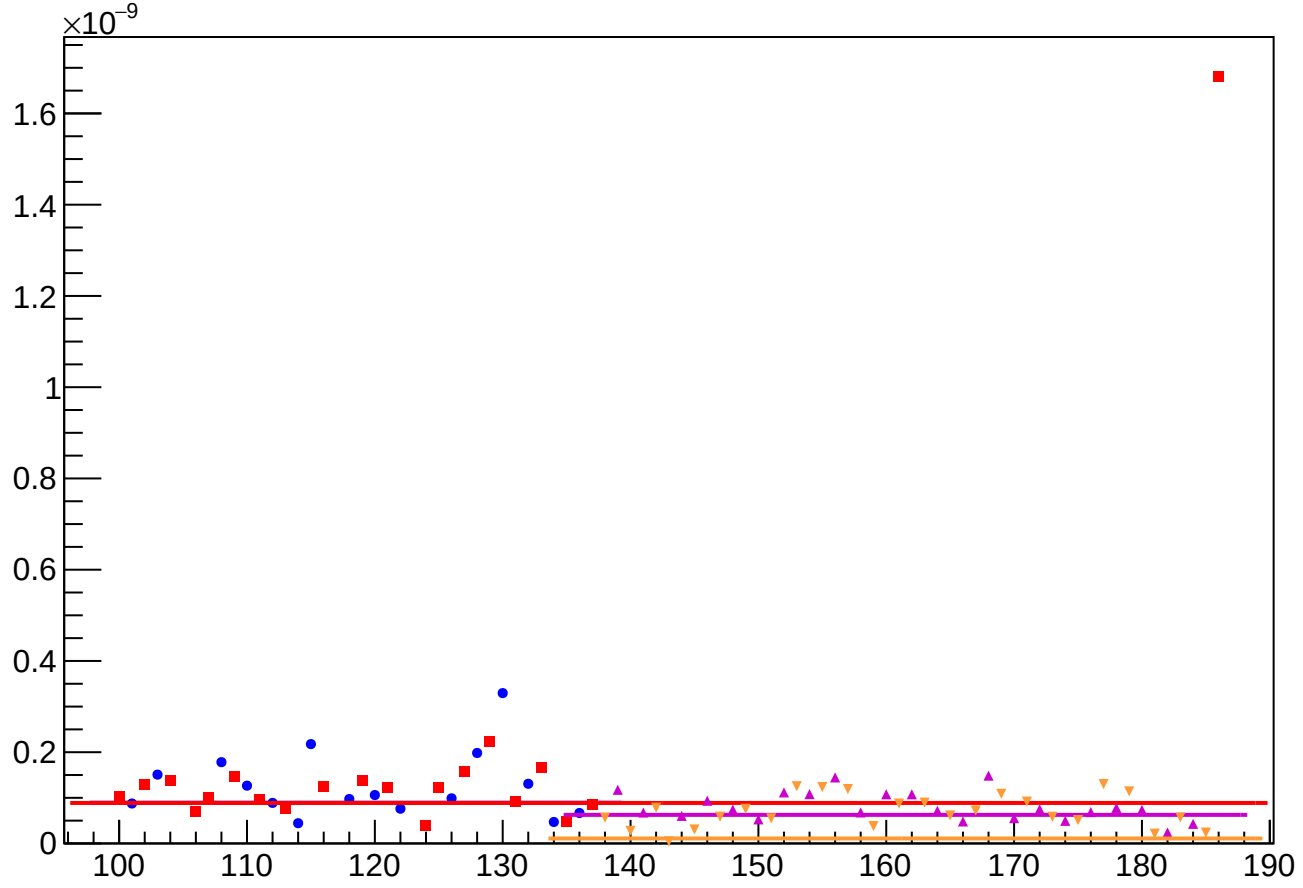
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.3/40

All: 0.000+/-0.000 χ^2/NDF: 83.7/83

- sign -0.000+/-0.000 χ^2/NDF: 53.0/42

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

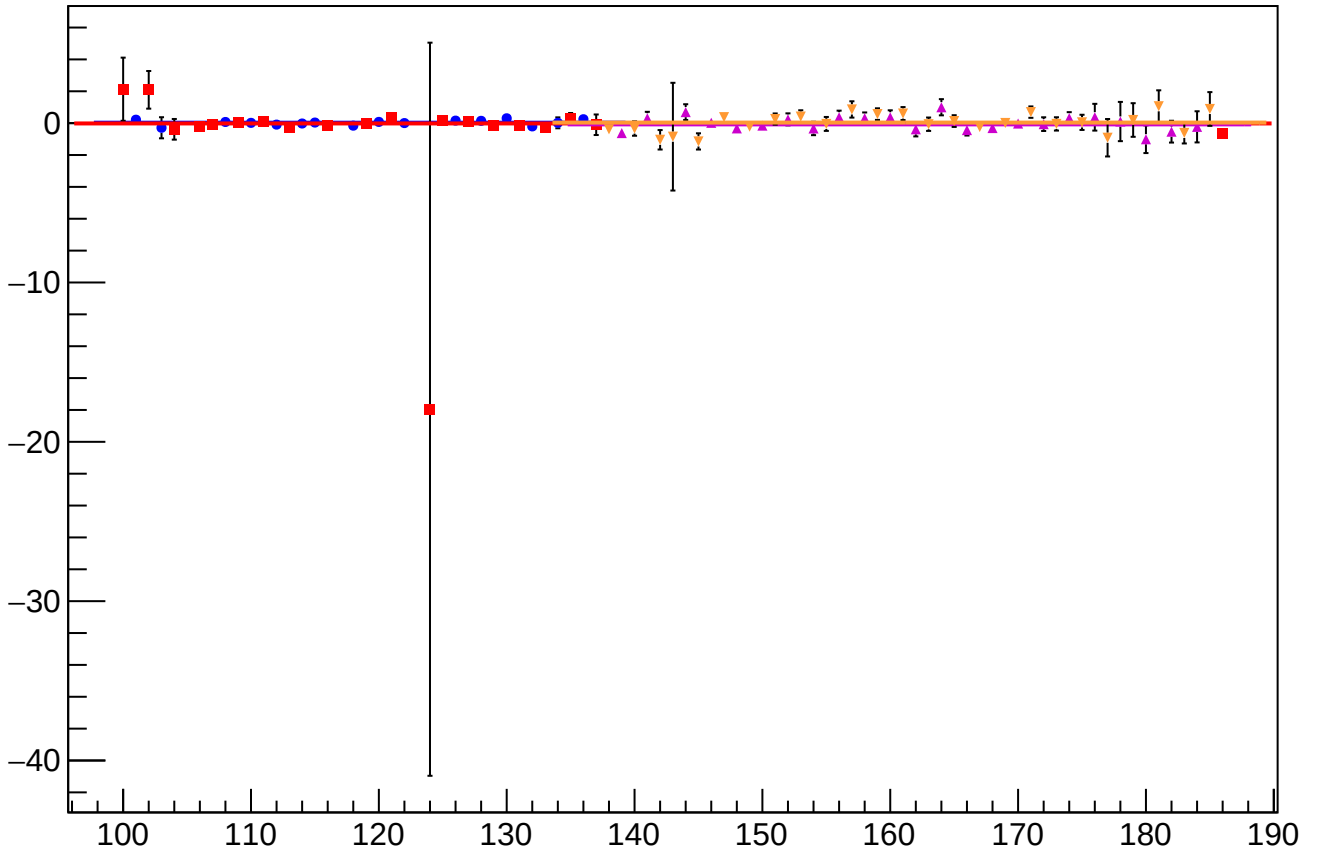
Right Out: 0.000+/-0.000 χ^2/NDF: 1427806.0/19

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14423909.6/40

All: 0.000+/-0.000 χ^2/NDF: 27908488.5/83

- sign 0.000+/-0.000 χ^2/NDF: 3880347.2/42



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.019+/-0.043 χ^2/NDF: 27.9/19

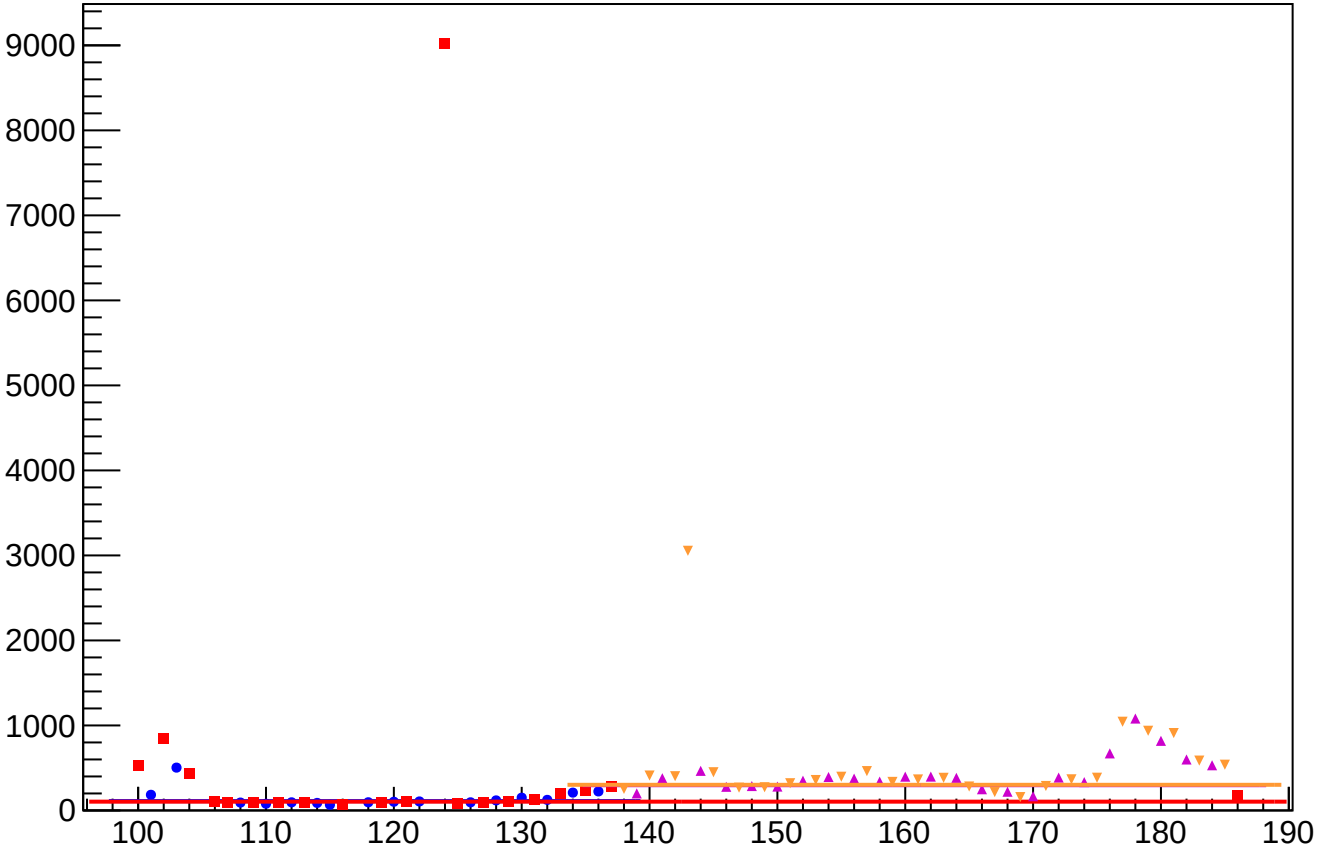
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.030+/-0.039 χ^2/NDF: 38.5/40

All: -0.003+/-0.027 χ^2/NDF: 92.4/83

- sign -0.033+/-0.037 χ^2/NDF: 52.5/42

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 103.523+/-0.030 χ^2/NDF: 2715549.3/19

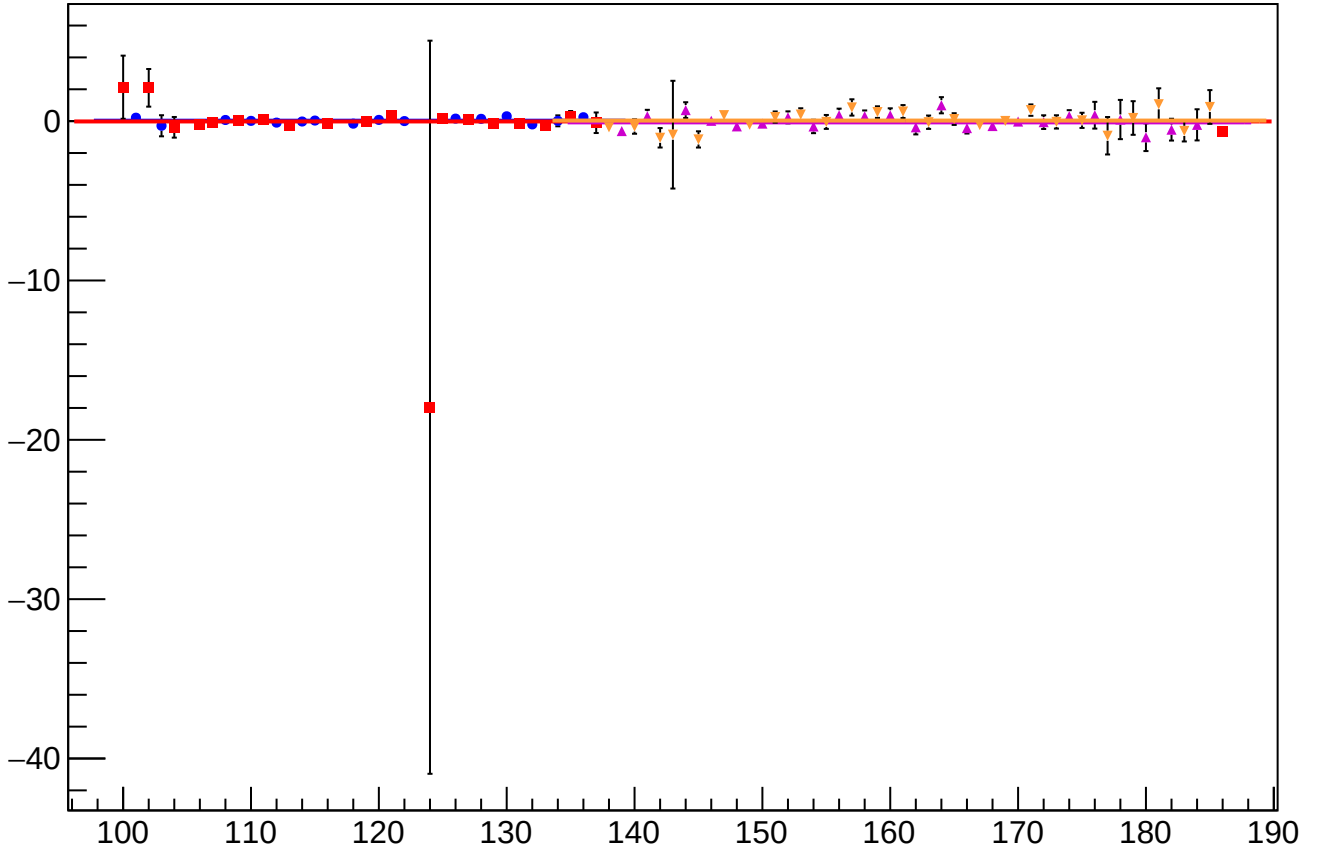
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 159.355+/-0.028 χ^2/NDF: 17849507.3/40

All: 154.683+/-0.019 χ^2/NDF: 35411125.5/83

- sign 150.416+/-0.026 χ^2/NDF: 17506795.1/42

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.019+/-0.043 χ^2/NDF: 27.9/19

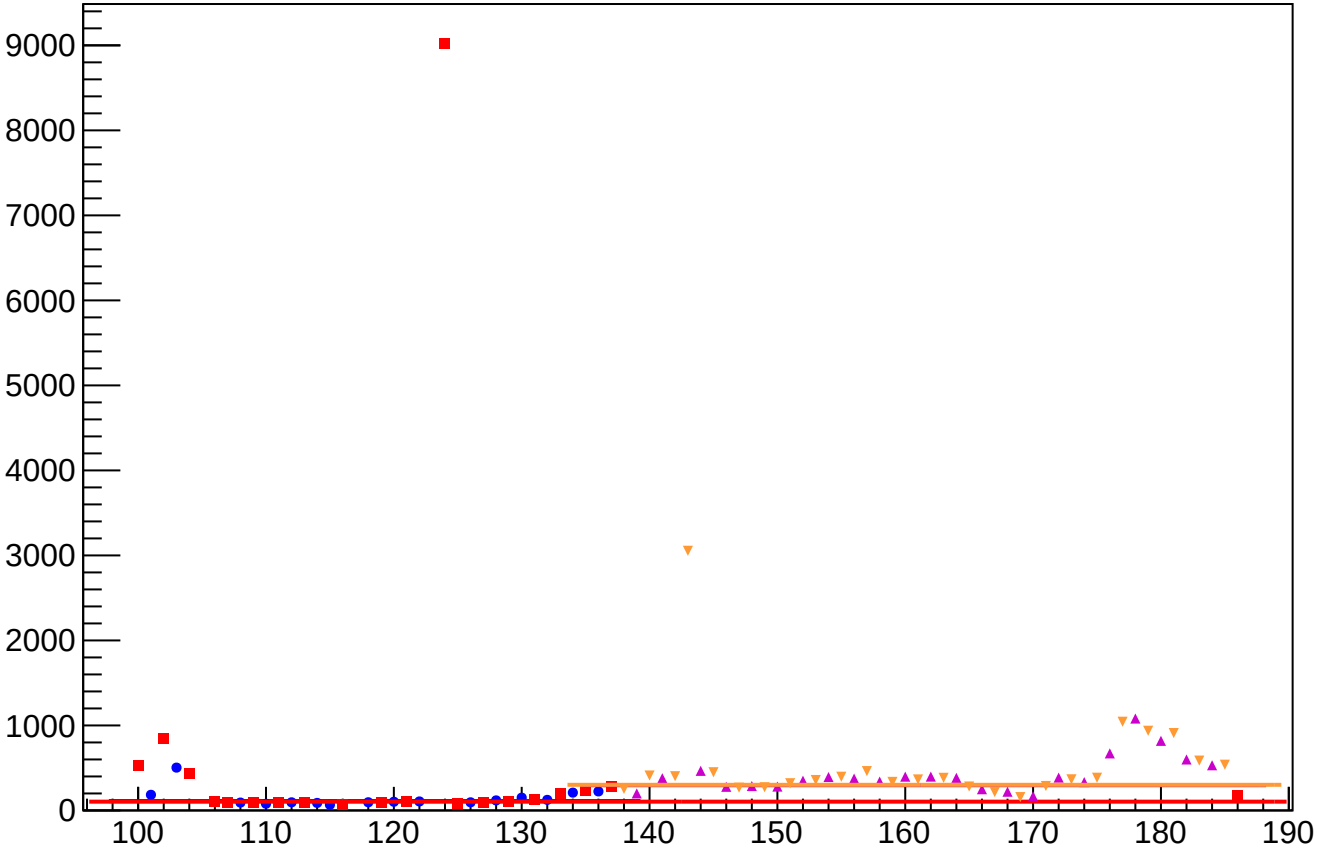
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.030+/-0.039 χ^2/NDF: 38.5/40

All: -0.003+/-0.027 χ^2/NDF: 92.4/83

- sign -0.033+/-0.037 χ^2/NDF: 52.5/42

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

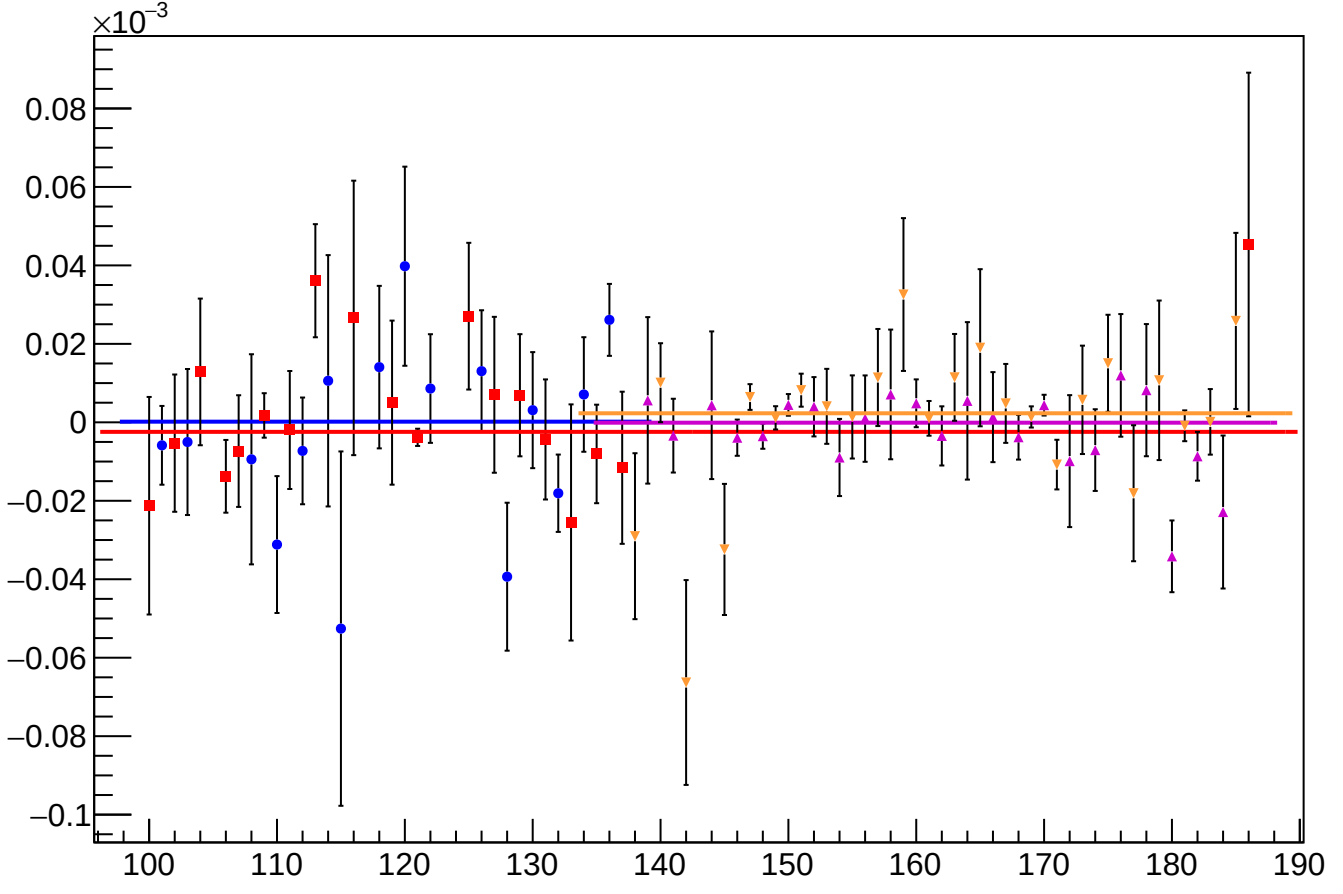
Right Out: 103.523+/-0.030 χ^2/NDF: 2715549.3/19

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 159.355+/-0.028 χ^2/NDF: 17849507.3/40

All: 154.683+/-0.019 χ^2/NDF: 35411125.5/83

- sign 150.416+/-0.026 χ^2/NDF: 17506795.1/42


asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
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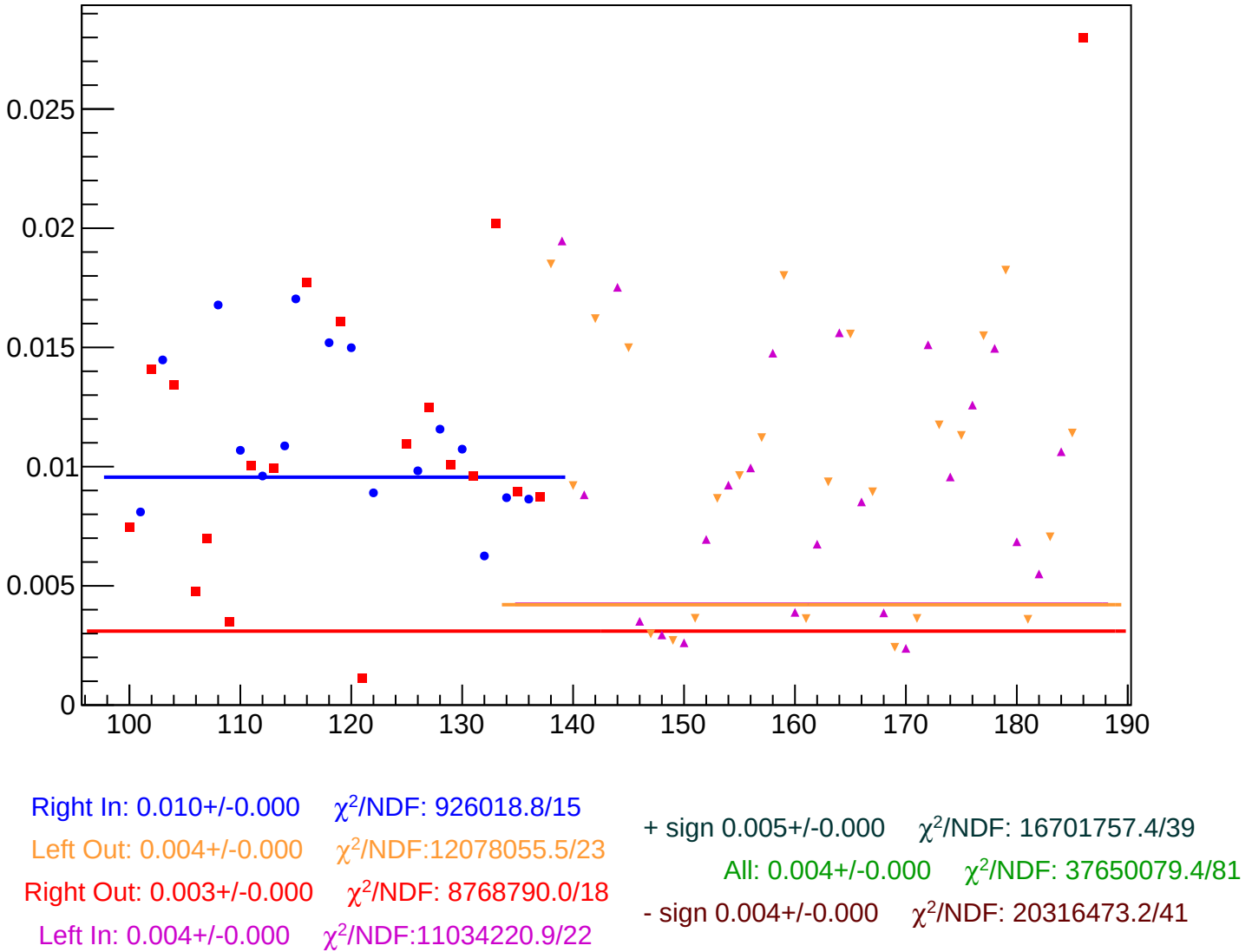
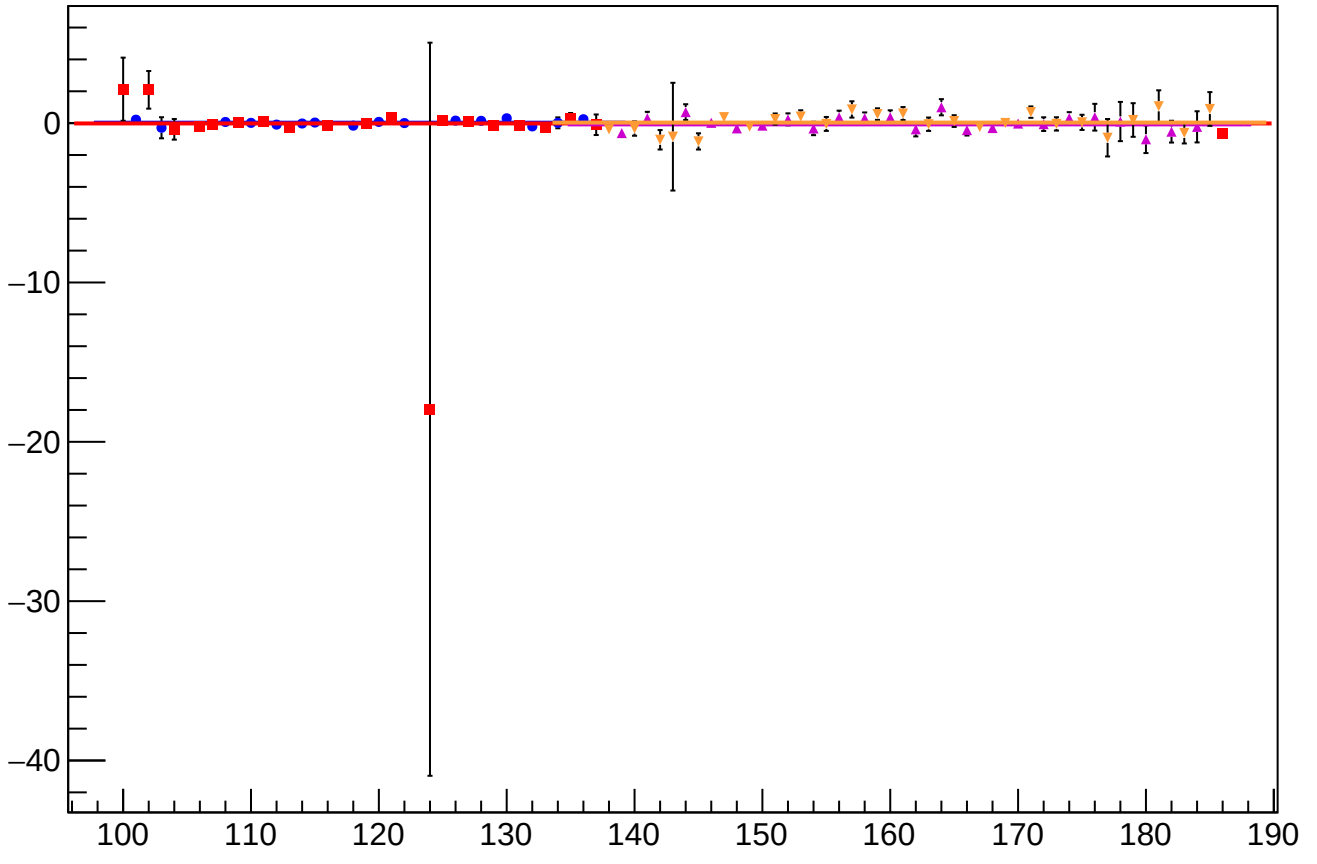
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 25.6/15
Left Out: 0.000+/-0.000 χ²/NDF:31.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/18
Left In: -0.000+/-0.000 χ²/NDF:29.1/22
+ sign 0.000+/-0.000 χ²/NDF: 57.1/39
All: 0.000+/-0.000 χ²/NDF: 107.7/81
- sign -0.000+/-0.000 χ²/NDF: 47.1/41


asym_atl_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: 0.010+/-0.000 χ²/NDF: 926018.8/15
Left Out: 0.004+/-0.000 χ²/NDF:12078055.5/23
Right Out: 0.003+/-0.000 χ²/NDF: 8768790.0/18
Left In: 0.004+/-0.000 χ²/NDF:11034220.9/22
+ sign 0.005+/-0.000 χ²/NDF: 16701757.4/39
All: 0.004+/-0.000 χ²/NDF: 37650079.4/81
- sign 0.004+/-0.000 χ²/NDF: 20316473.2/41



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.019+/-0.043 χ^2/NDF: 27.9/19

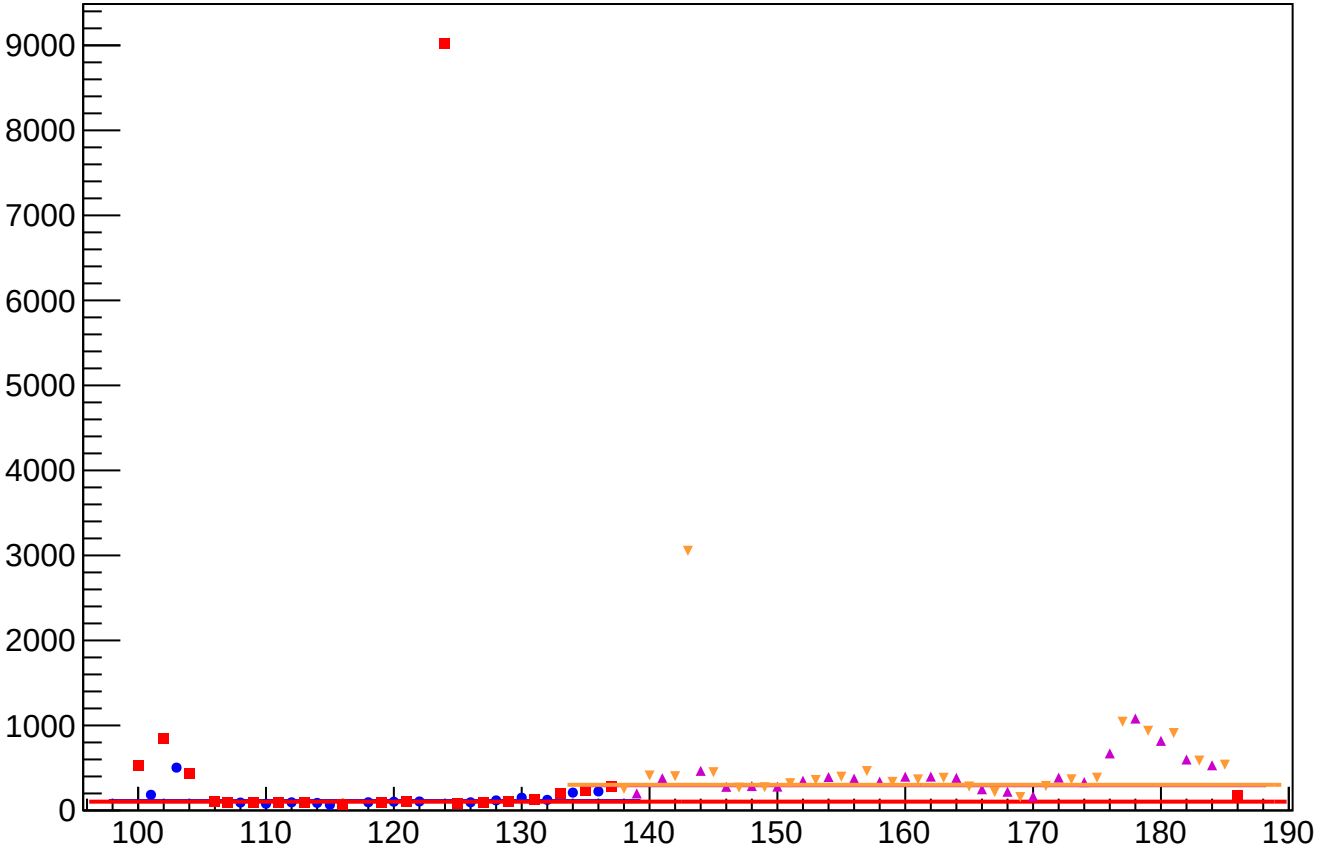
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.030+/-0.039 χ^2/NDF: 38.5/40

All: -0.003+/-0.027 χ^2/NDF: 92.4/83

- sign -0.033+/-0.037 χ^2/NDF: 52.5/42

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

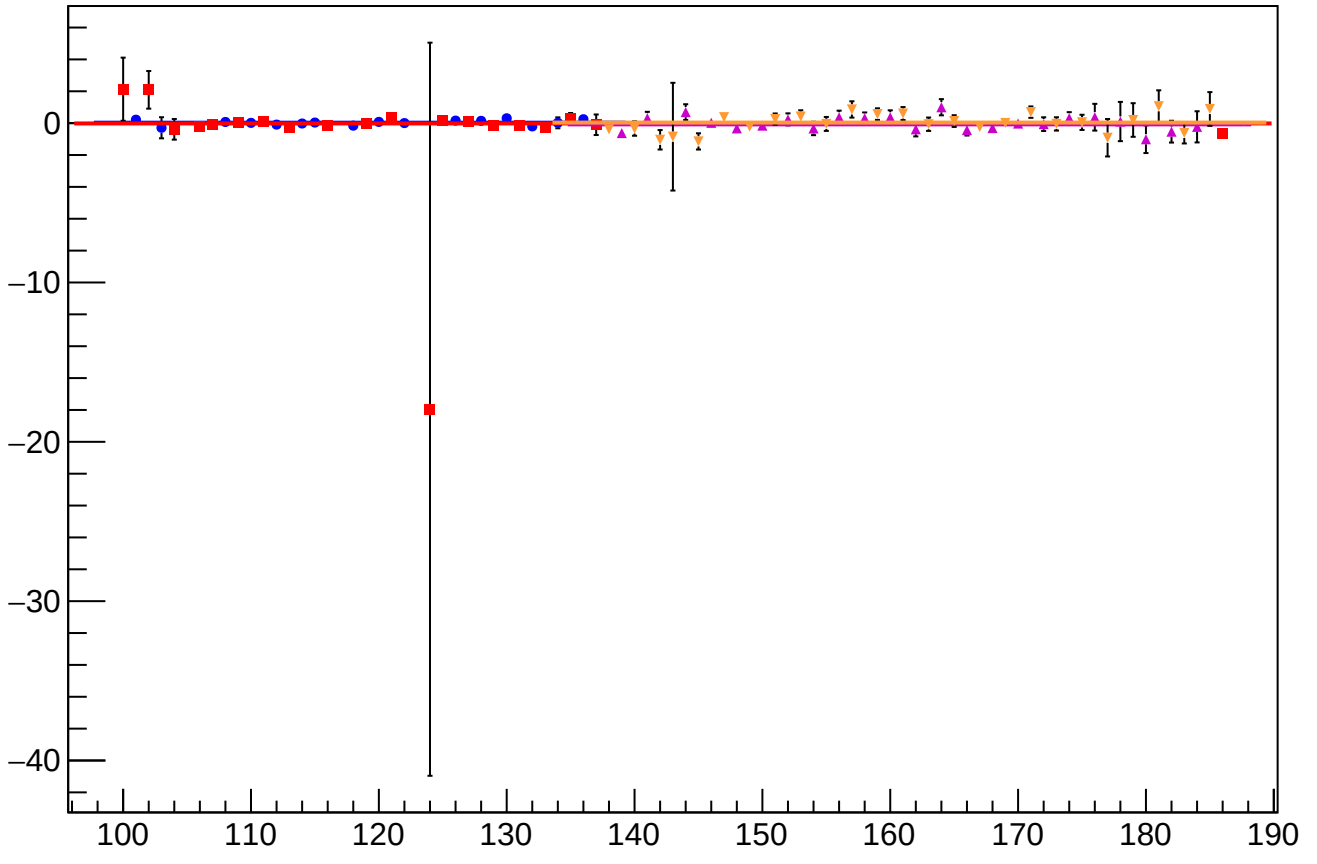
Right Out: 103.524+/-0.030 χ^2/NDF: 2715428.3/19

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 159.356+/-0.028 χ^2/NDF: 17849455.8/40

All: 154.684+/-0.019 χ^2/NDF: 35410926.9/83

- sign 150.418+/-0.026 χ^2/NDF: 17506652.7/42



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

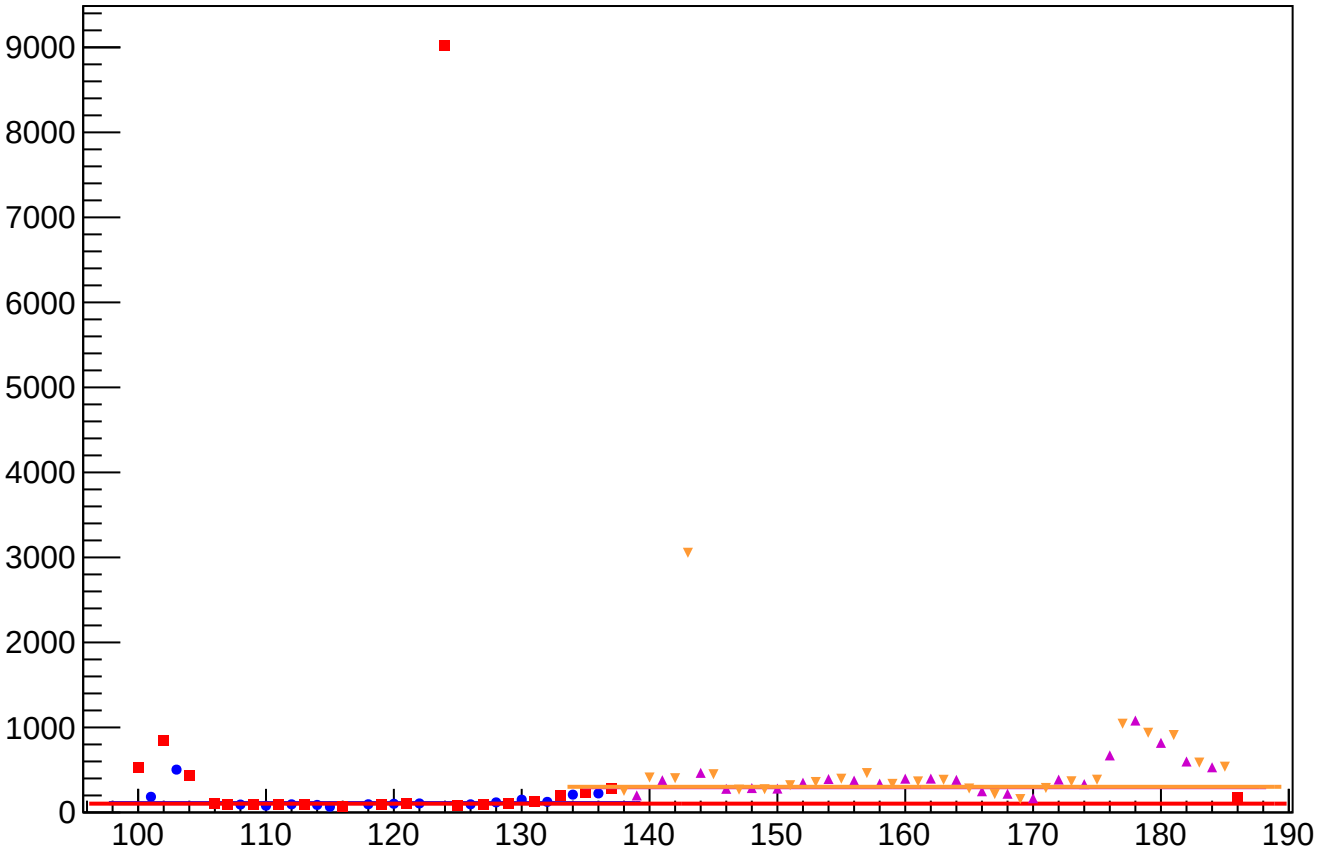
Right Out: -0.019+/-0.043 χ^2/NDF: 27.9/19

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.030+/-0.039 χ^2/NDF: 38.5/40

All: -0.003+/-0.027 χ^2/NDF: 92.4/83

- sign -0.033+/-0.037 χ^2/NDF: 52.5/42



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

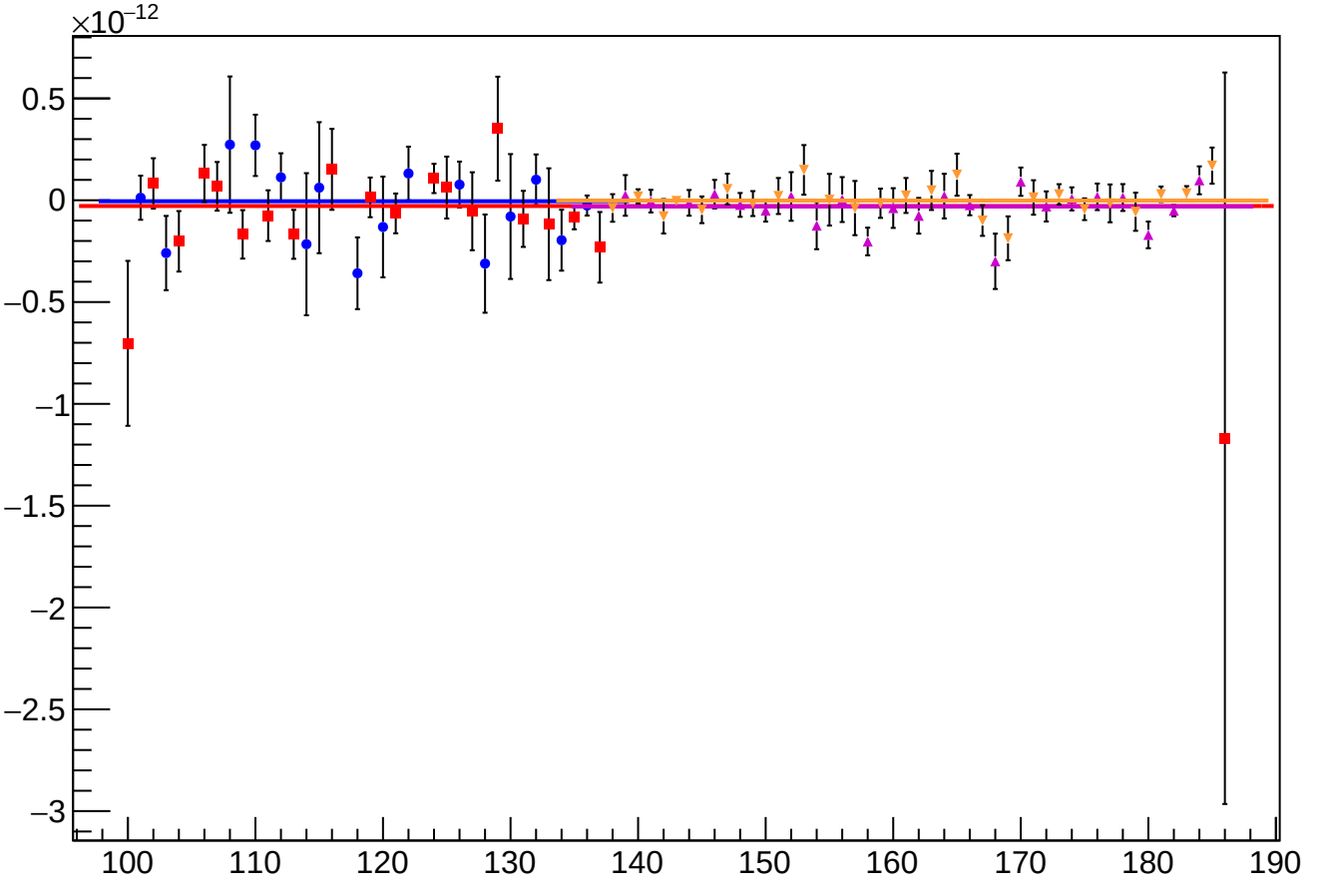
Right Out: 103.524+/-0.030 χ^2/NDF: 2715428.3/19

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 159.356+/-0.028 χ^2/NDF: 17849455.8/40

All: 154.684+/-0.019 χ^2/NDF: 35410926.9/83

- sign 150.418+/-0.026 χ^2/NDF: 17506652.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/19

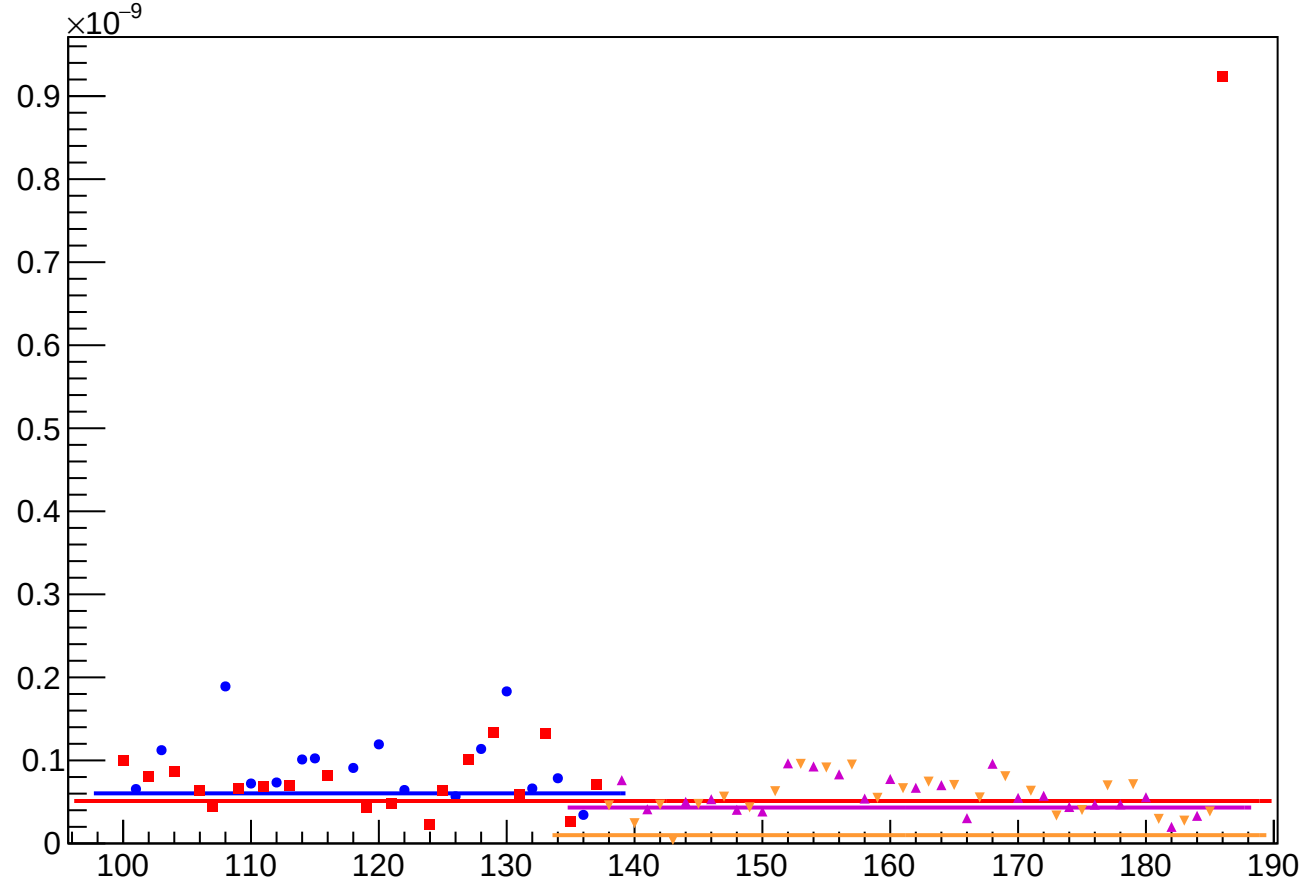
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/40

All: -0.000+/-0.000 χ^2/NDF: 86.5/83

- sign -0.000+/-0.000 χ^2/NDF: 46.4/42

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

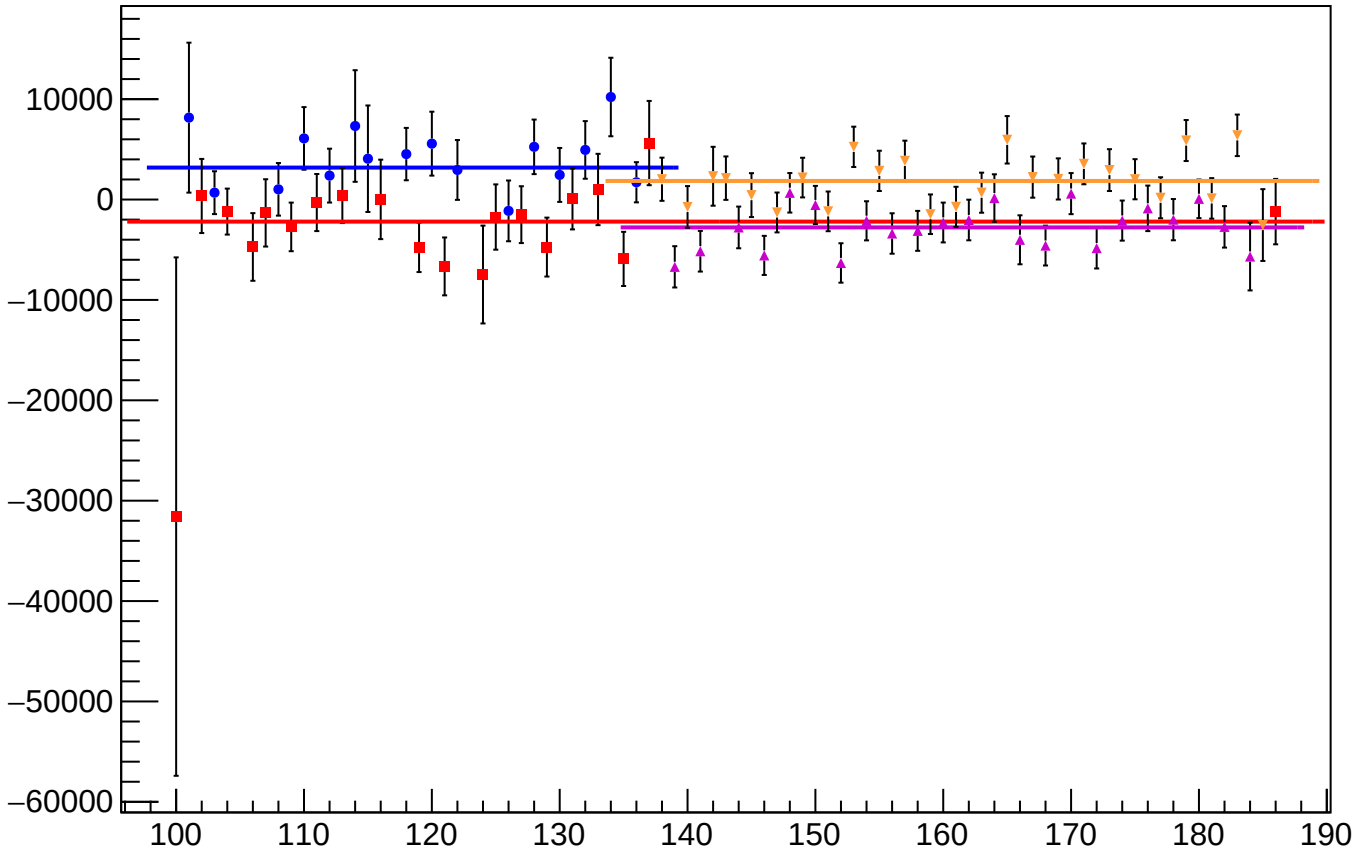
Right Out: 0.000+/-0.000 χ^2/NDF: 2139281.4/19

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 25166953.6/40

All: 0.000+/-0.000 χ^2/NDF: 44831719.5/83

- sign 0.000+/-0.000 χ^2/NDF: 6324021.1/42



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -2198.676+/-694.578 χ^2/NDF: 16.6/19

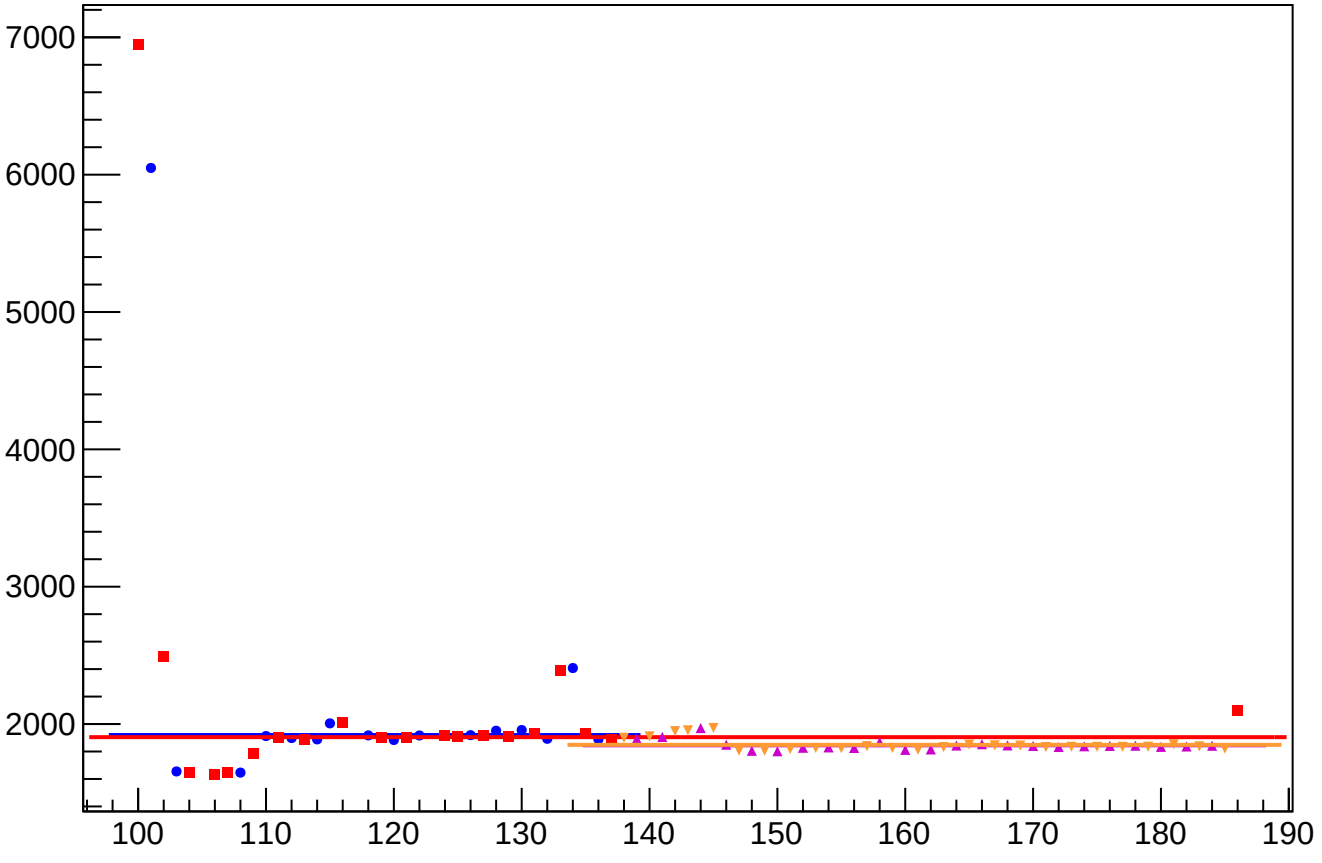
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2182.425+/-364.191 χ^2/NDF: 45.7/40

All: -203.669+/-258.209 χ^2/NDF: 174.6/83

- sign -2615.406+/-366.143 χ^2/NDF: 42.5/42

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1904.436+/-0.490 χ^2/NDF: 229546.9/19

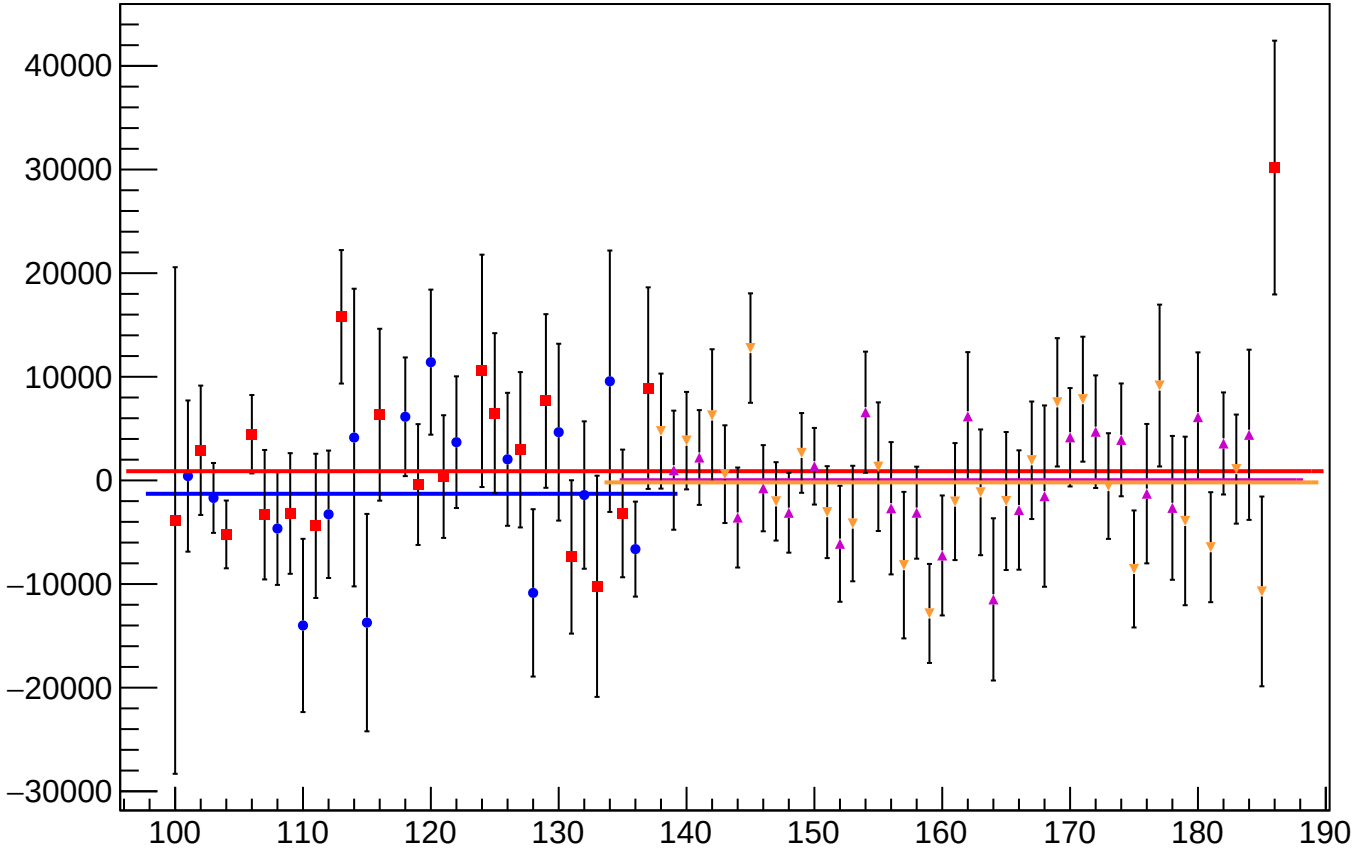
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1866.214+/-0.258 χ^2/NDF: 732521.2/40

All: 1863.937+/-0.182 χ^2/NDF: 986855.7/83

- sign 1861.639+/-0.259 χ^2/NDF: 254177.4/42

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 888.934+/-1427.663 χ^2/NDF: 23.1/19

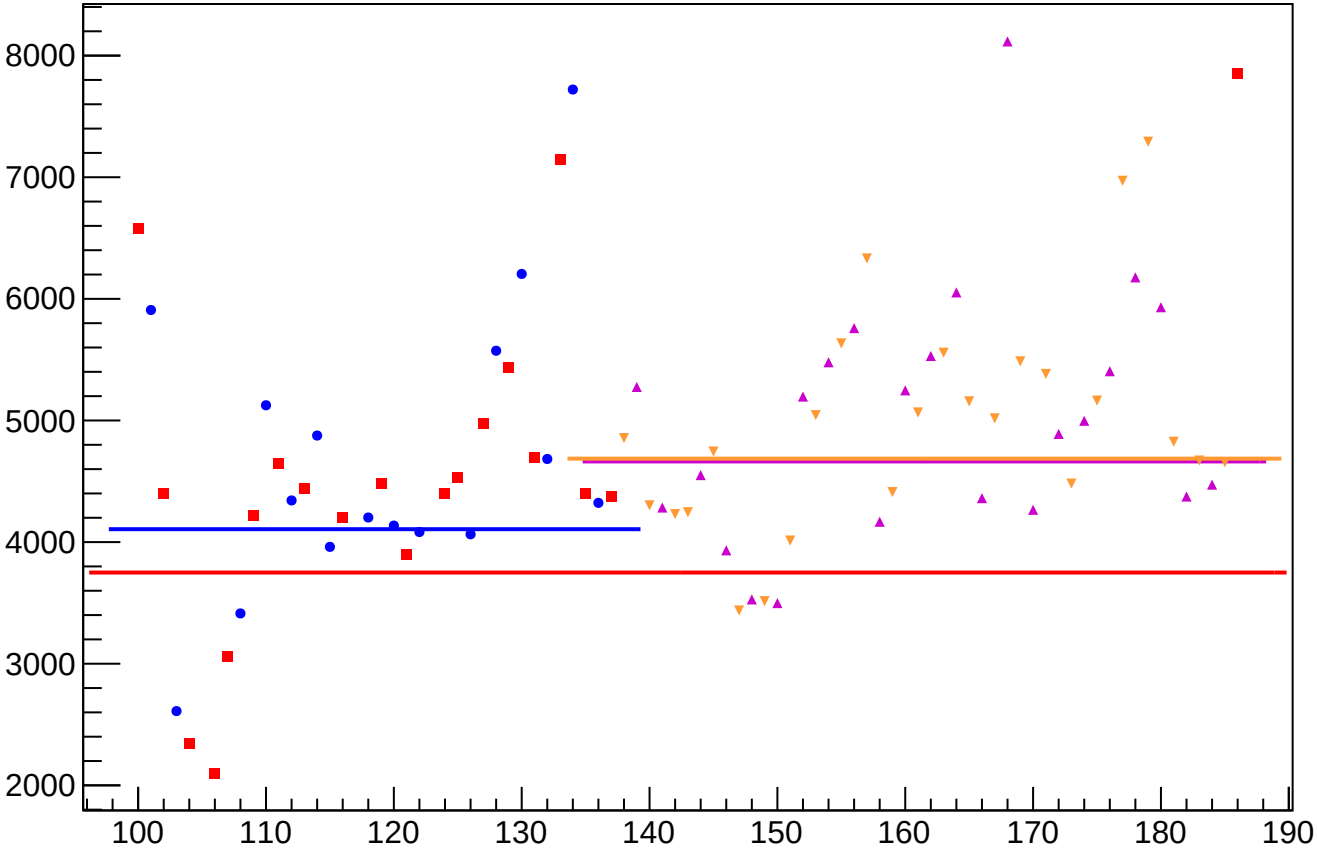
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -542.239+/-897.428 χ^2/NDF: 43.5/40

All: -87.190+/-627.437 χ^2/NDF: 81.0/83

- sign 347.939+/-877.566 χ^2/NDF: 37.0/42

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

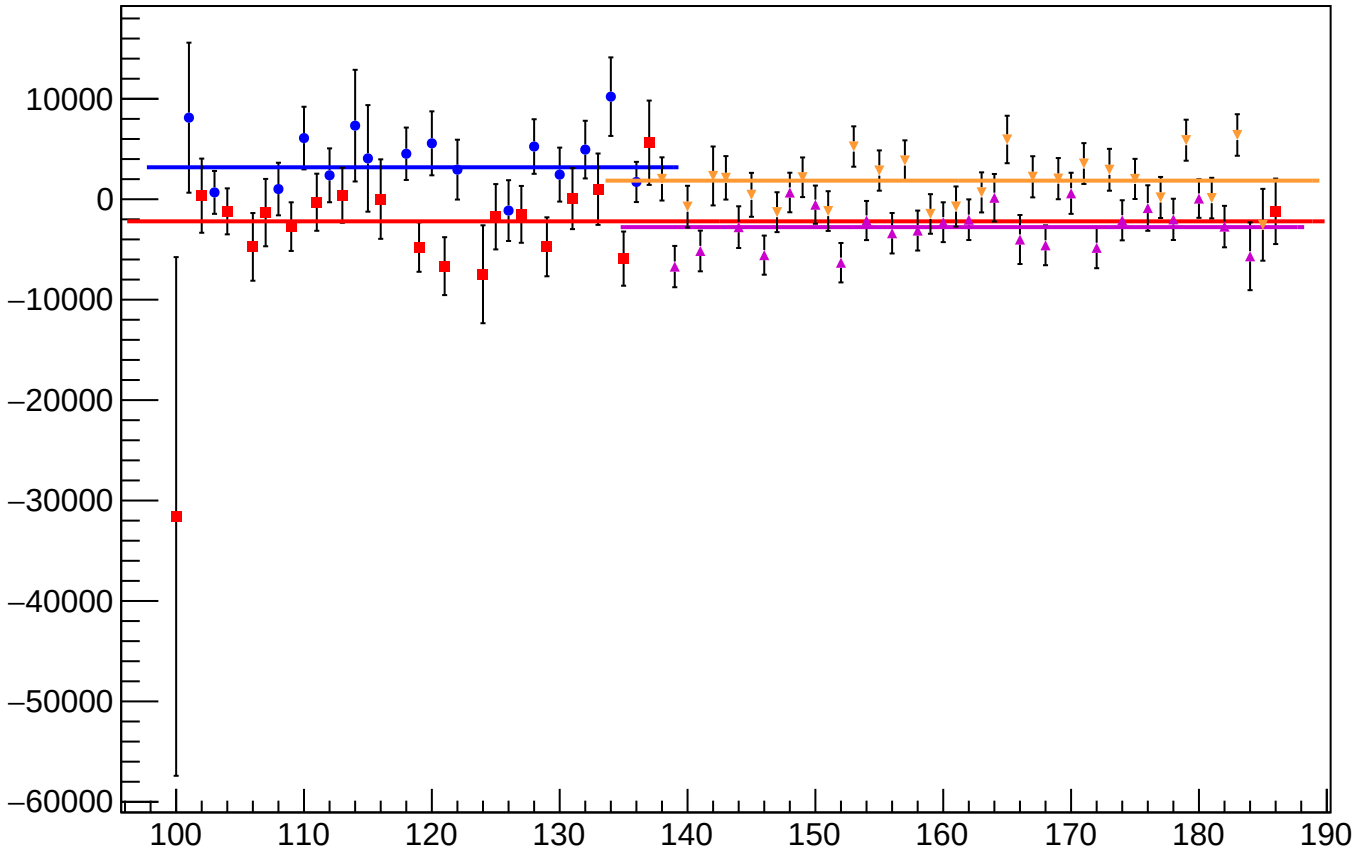
Right Out: 3749.755+/-1.010 χ^2/NDF: 1583884.4/19

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4500.449+/-0.635 χ^2/NDF: 2323229.4/40

All: 4407.238+/-0.444 χ^2/NDF: 5745511.3/83

- sign 4318.108+/-0.621 χ^2/NDF: 3380075.6/42



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2199.763+/-694.582 χ^2/NDF: 16.6/19

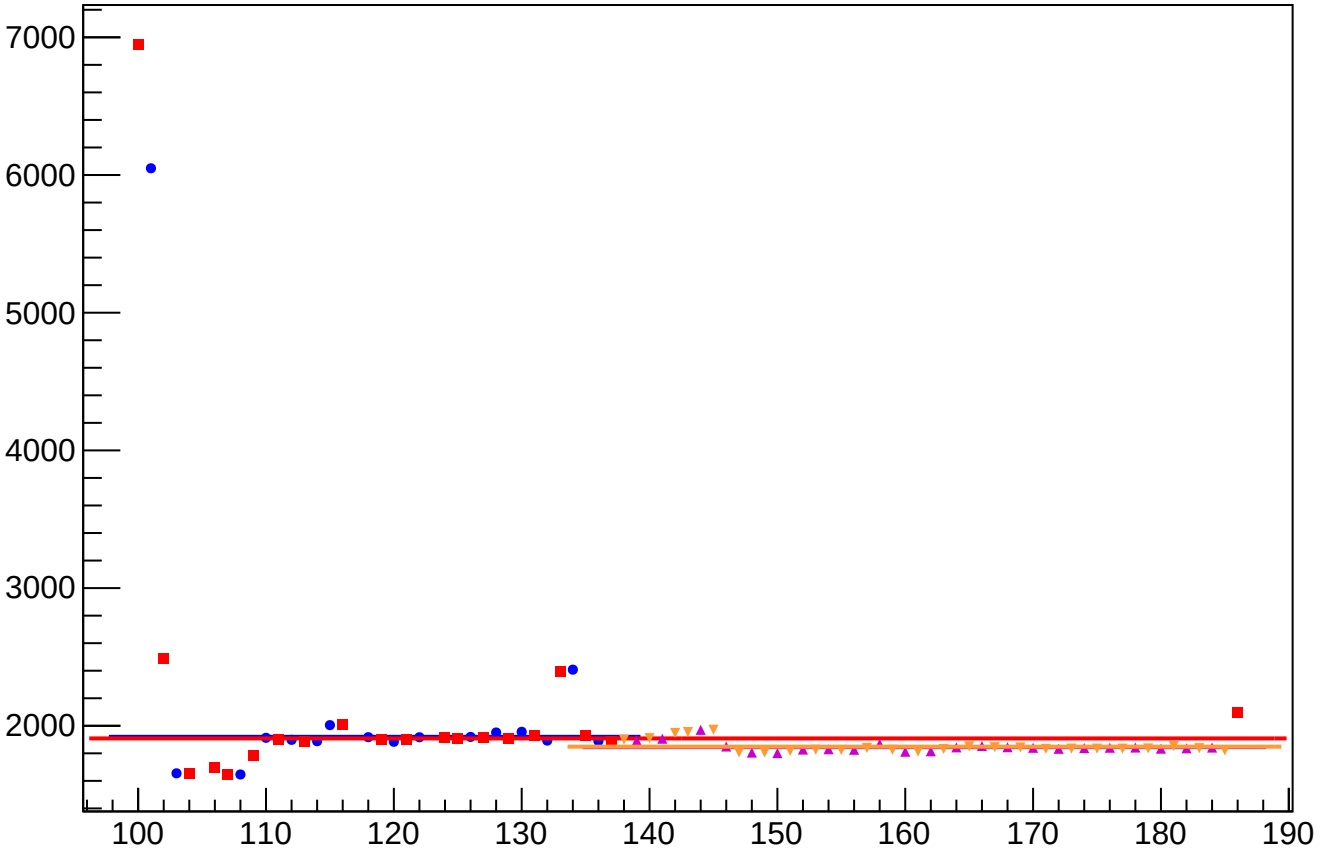
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2182.160+/-364.191 χ^2/NDF: 45.7/40

All: -203.941+/-258.209 χ^2/NDF: 174.6/83

- sign -2615.692+/-366.143 χ^2/NDF: 42.6/42

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

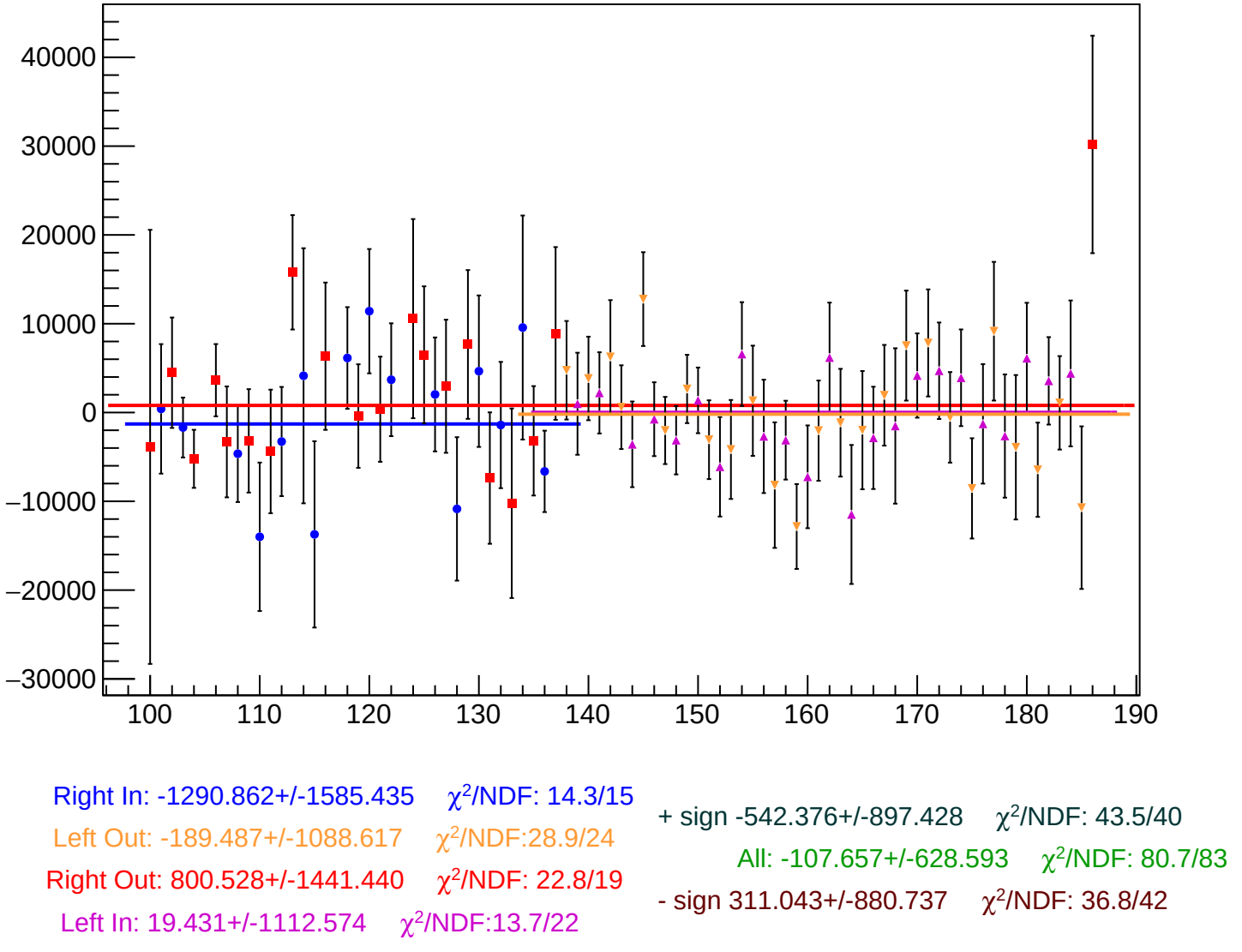
Right Out: 1908.291+/-0.490 χ^2/NDF: 222639.3/19

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

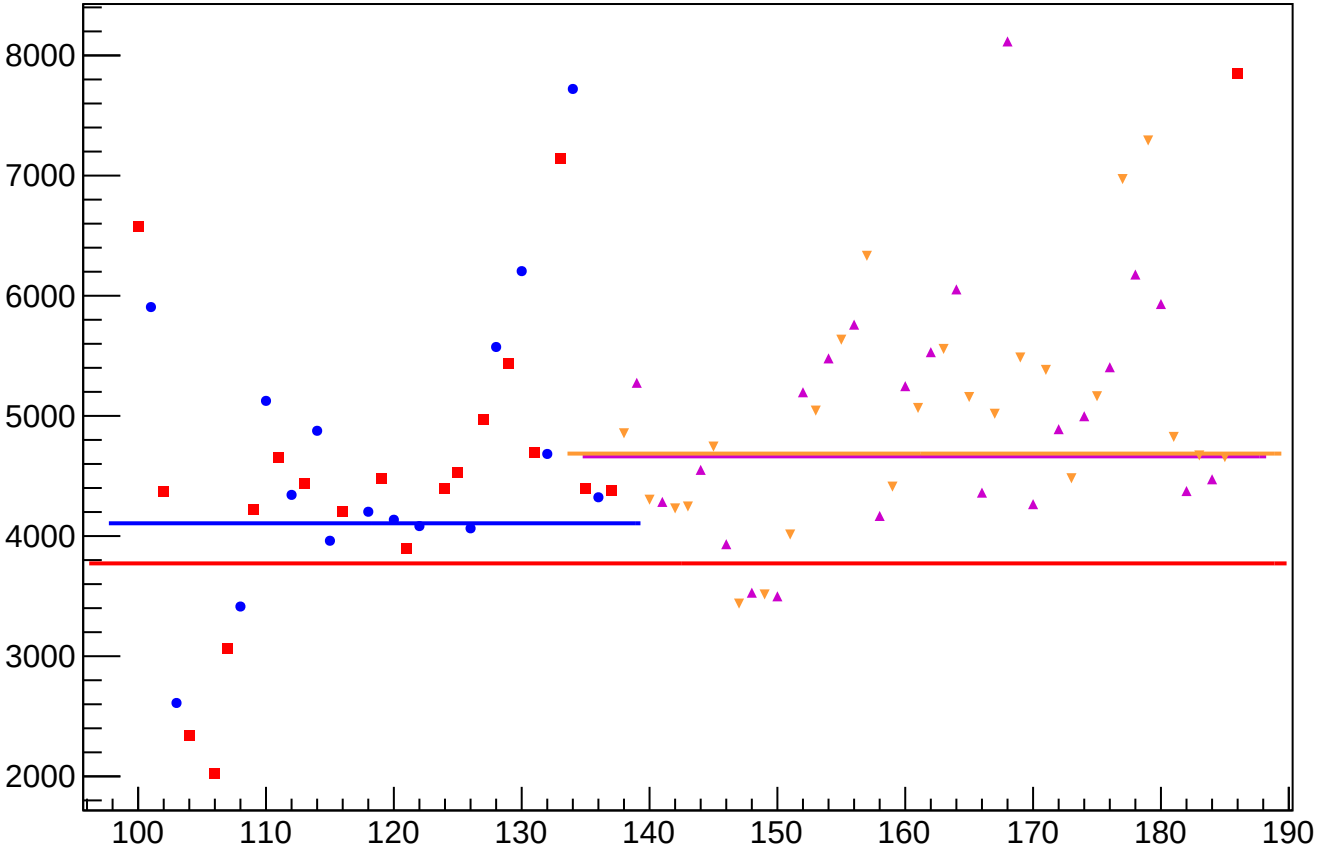
+ sign 1866.214+/-0.258 χ^2/NDF: 732520.5/40

All: 1864.451+/-0.183 χ^2/NDF: 981274.6/83

- sign 1862.669+/-0.259 χ^2/NDF: 248659.8/42


asym_atr_avg_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: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: -189.487+/-1088.617 χ²/NDF:28.9/24
Right Out: 800.528+/-1441.440 χ²/NDF: 22.8/19
Left In: 19.431+/-1112.574 χ²/NDF:13.7/22
+ sign -542.376+/-897.428 χ²/NDF: 43.5/40
All: -107.657+/-628.593 χ²/NDF: 80.7/83
- sign 311.043+/-880.737 χ²/NDF: 36.8/42

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 3772.482+/-1.019 χ^2/NDF: 1559888.7/19

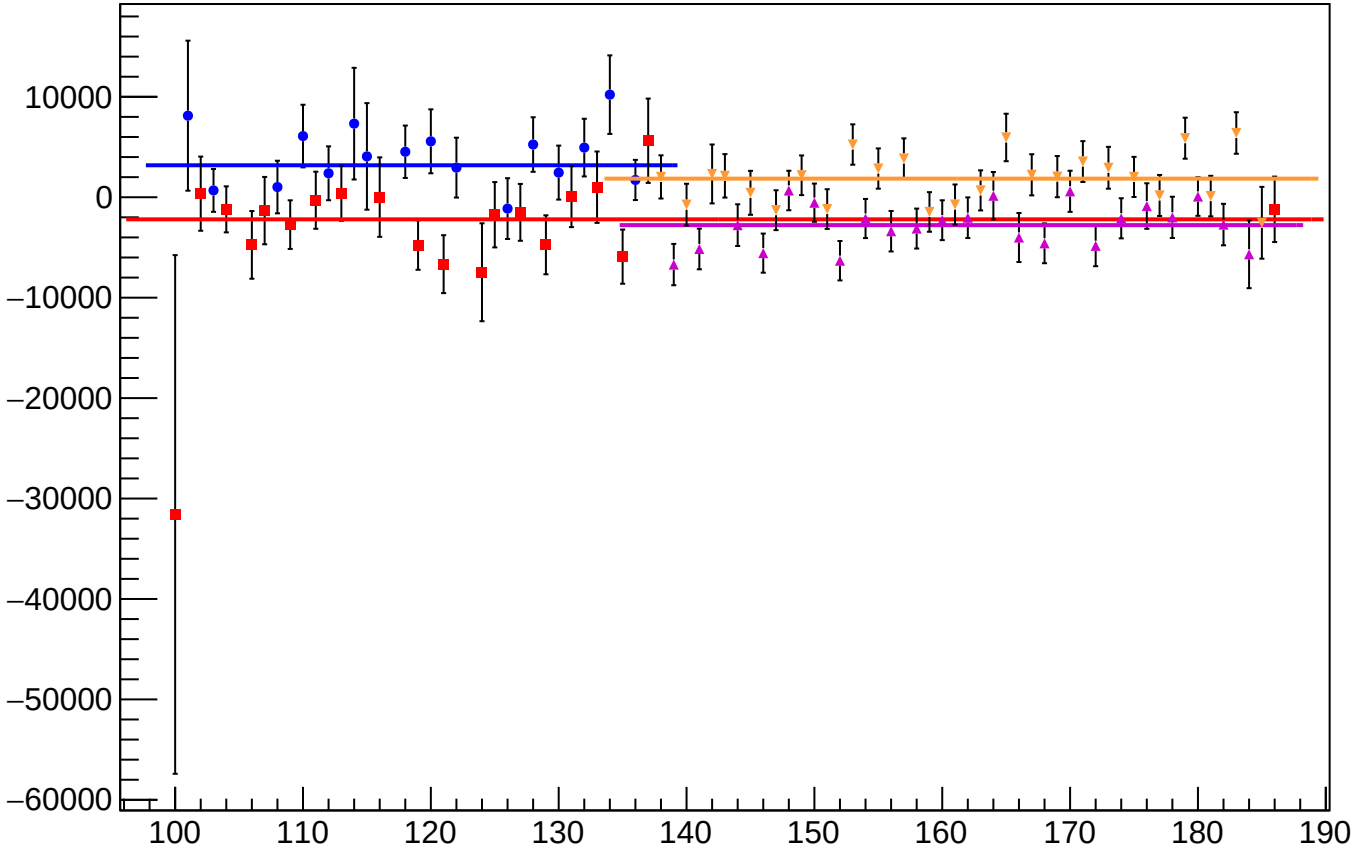
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4500.474+/-0.635 χ^2/NDF: 2322692.6/40

All: 4413.998+/-0.444 χ^2/NDF: 5684416.7/83

- sign 4330.709+/-0.623 χ^2/NDF: 3325267.8/42

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2199.763+/-694.582 χ^2/NDF: 16.6/19

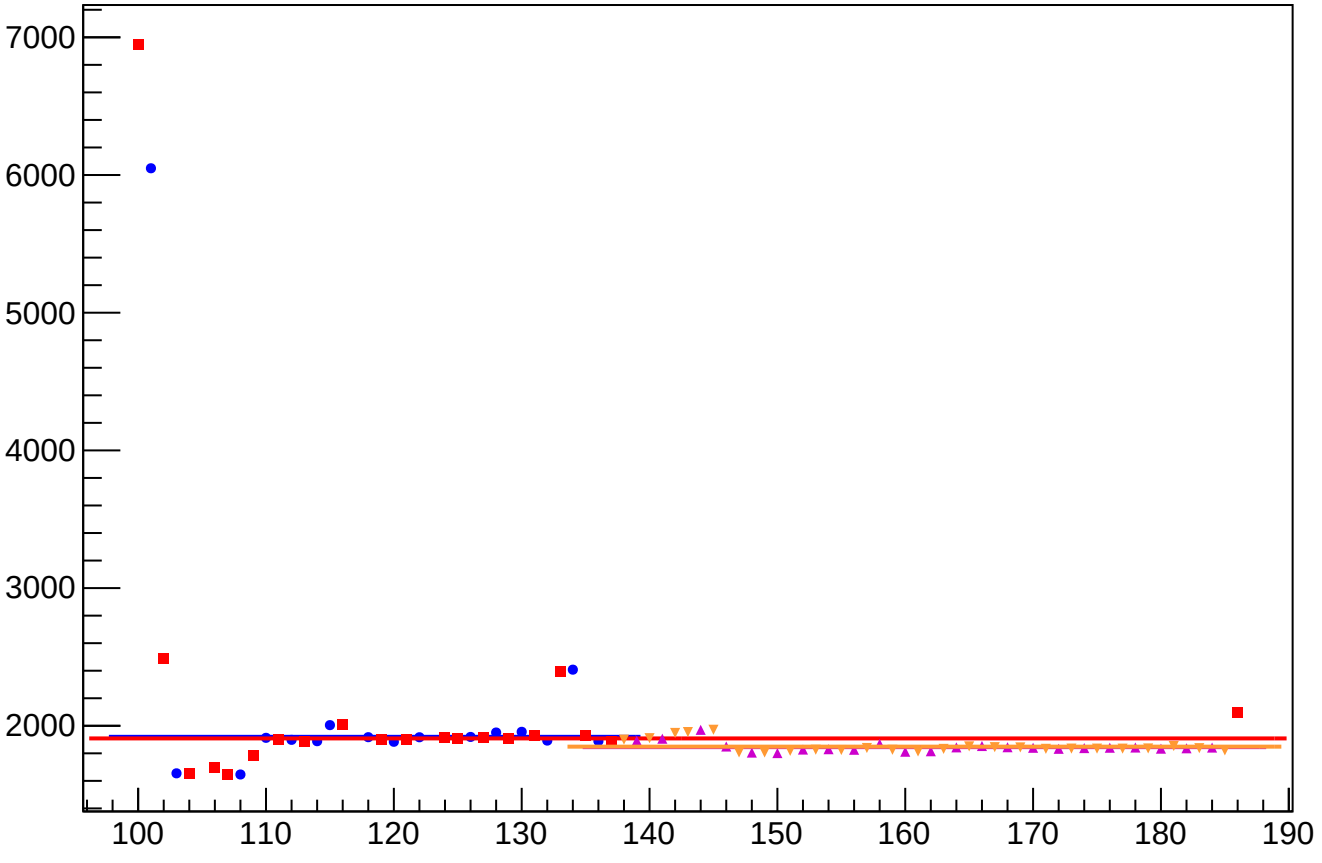
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2182.160+/-364.191 χ^2/NDF: 45.7/40

All: -203.941+/-258.209 χ^2/NDF: 174.6/83

- sign -2615.692+/-366.143 χ^2/NDF: 42.6/42

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

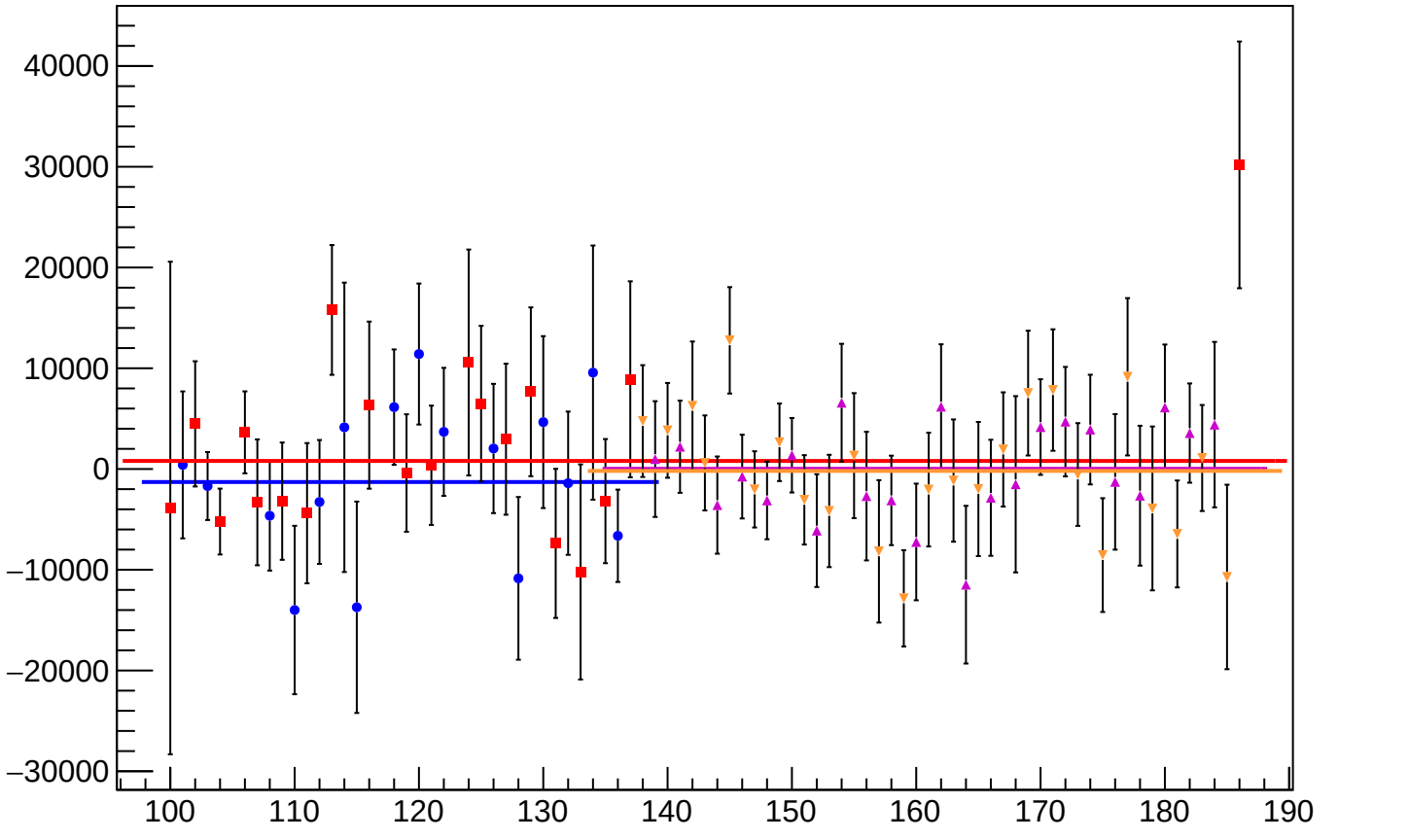
Right Out: 1908.291+/-0.490 χ^2/NDF: 222639.3/19

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1866.214+/-0.258 χ^2/NDF: 732520.5/40

All: 1864.451+/-0.183 χ^2/NDF: 981274.6/83

- sign 1862.669+/-0.259 χ^2/NDF: 248659.8/42



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

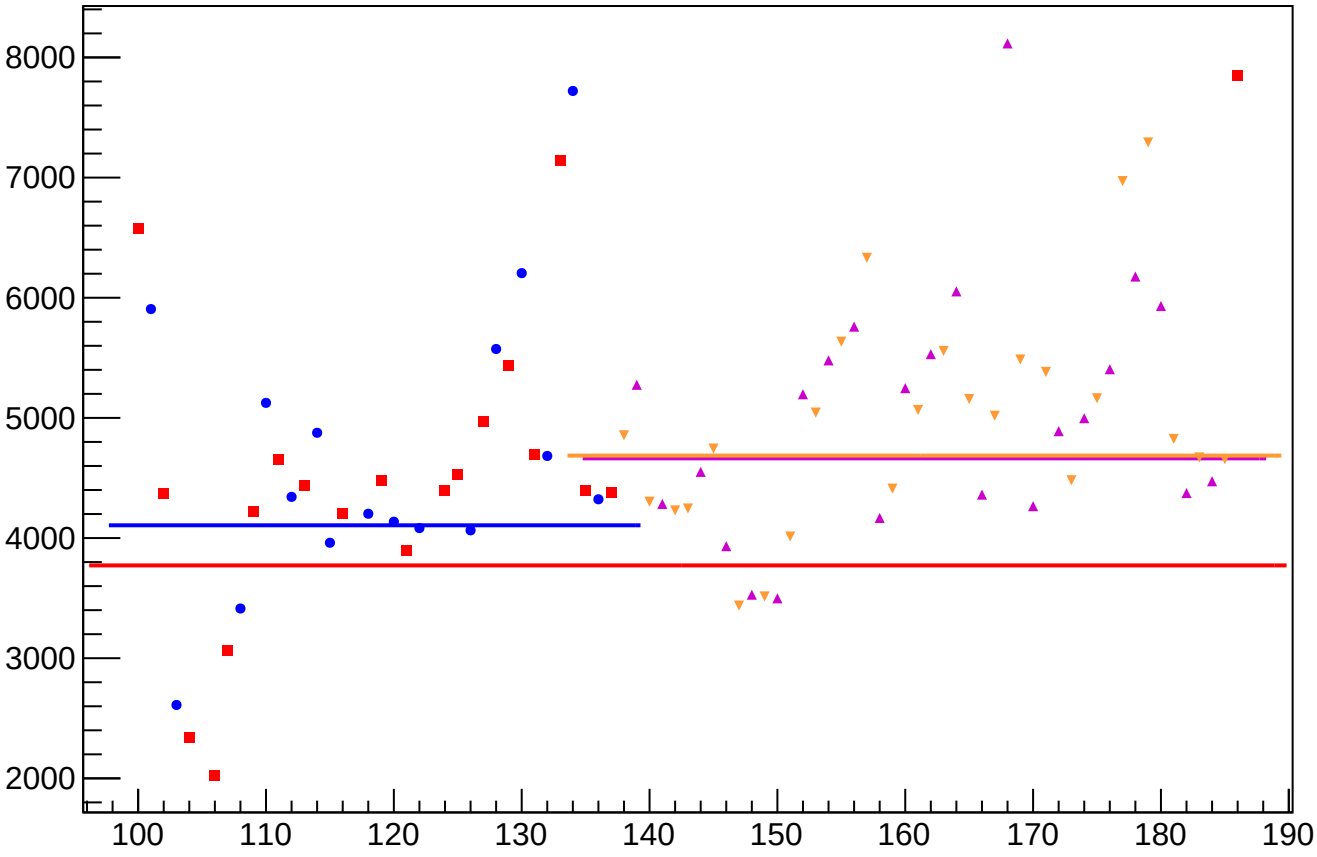
Right Out: 800.528+/-1441.440 χ^2/NDF: 22.8/19

Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -542.376+/-897.428 χ^2/NDF: 43.5/40

All: -107.657+/-628.593 χ^2/NDF: 80.7/83

- sign 311.043+/-880.737 χ^2/NDF: 36.8/42



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

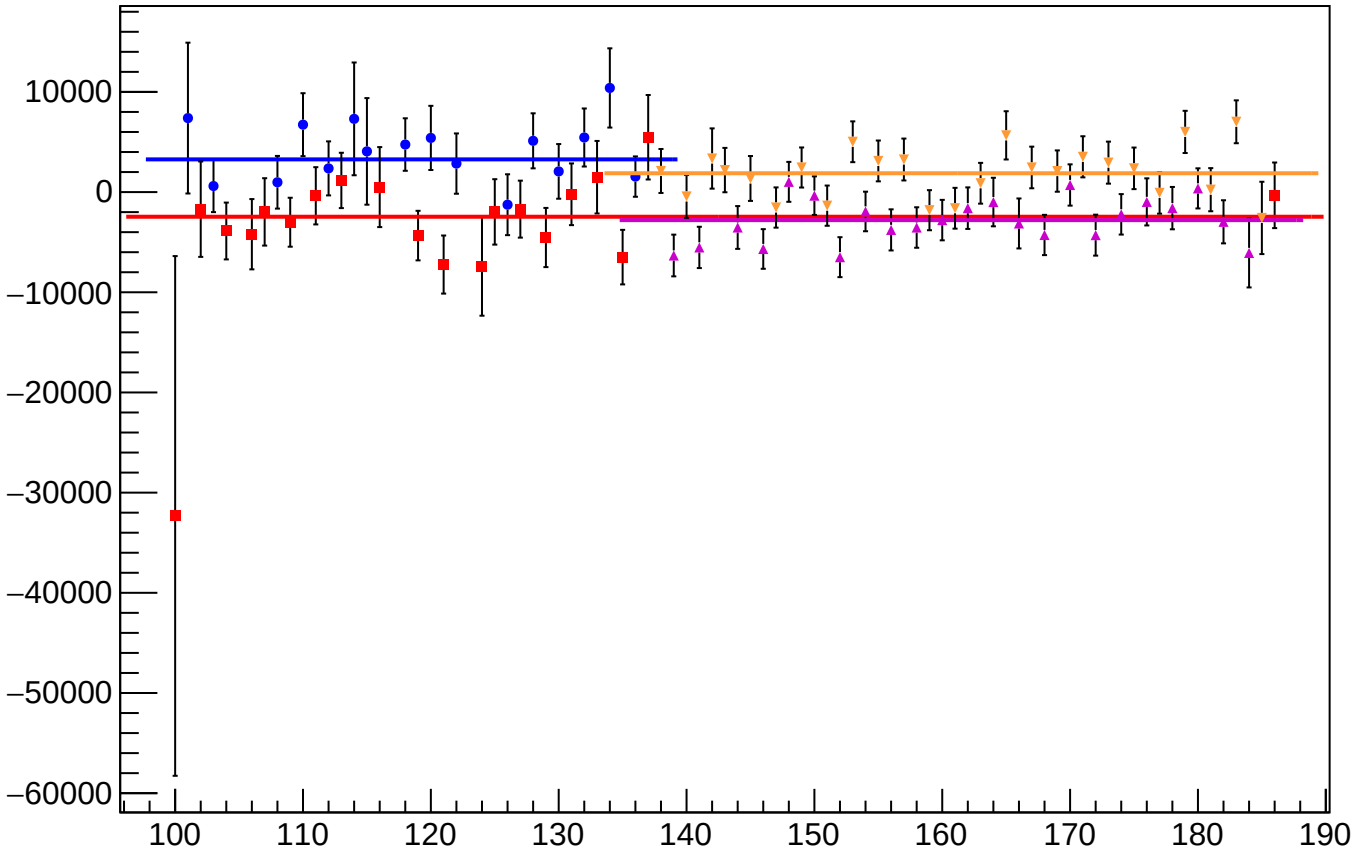
Right Out: 3772.482+/-1.019 χ^2/NDF: 1559888.7/19

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4500.474+/-0.635 χ^2/NDF: 2322692.6/40

All: 4413.998+/-0.444 χ^2/NDF: 5684416.7/83

- sign 4330.709+/-0.623 χ^2/NDF: 3325267.8/42



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2458.991+/-717.032 χ^2/NDF: 17.5/19

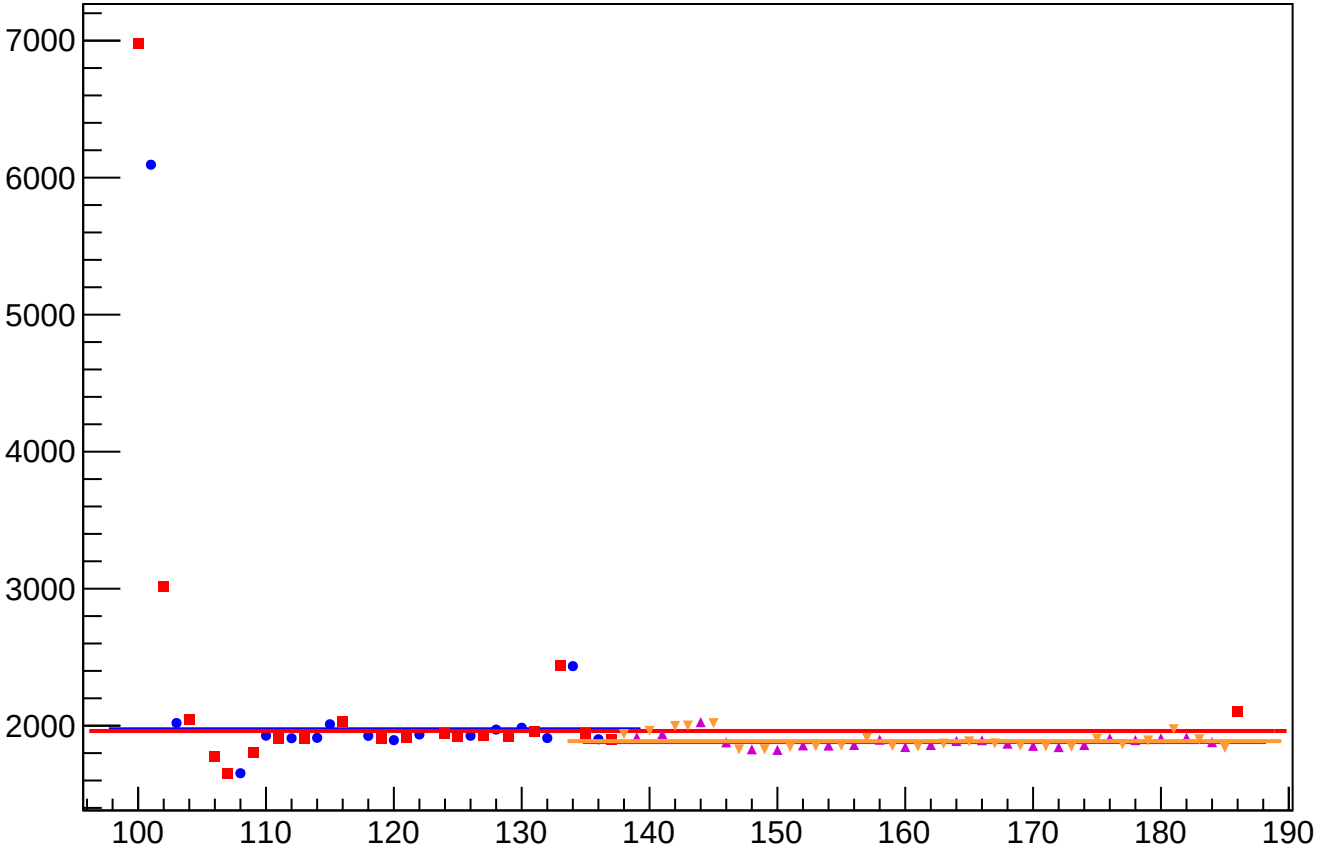
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2221.431+/-372.478 χ^2/NDF: 47.7/40

All: -228.544+/-264.110 χ^2/NDF: 177.7/83

- sign -2705.815+/-374.547 χ^2/NDF: 43.1/42

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

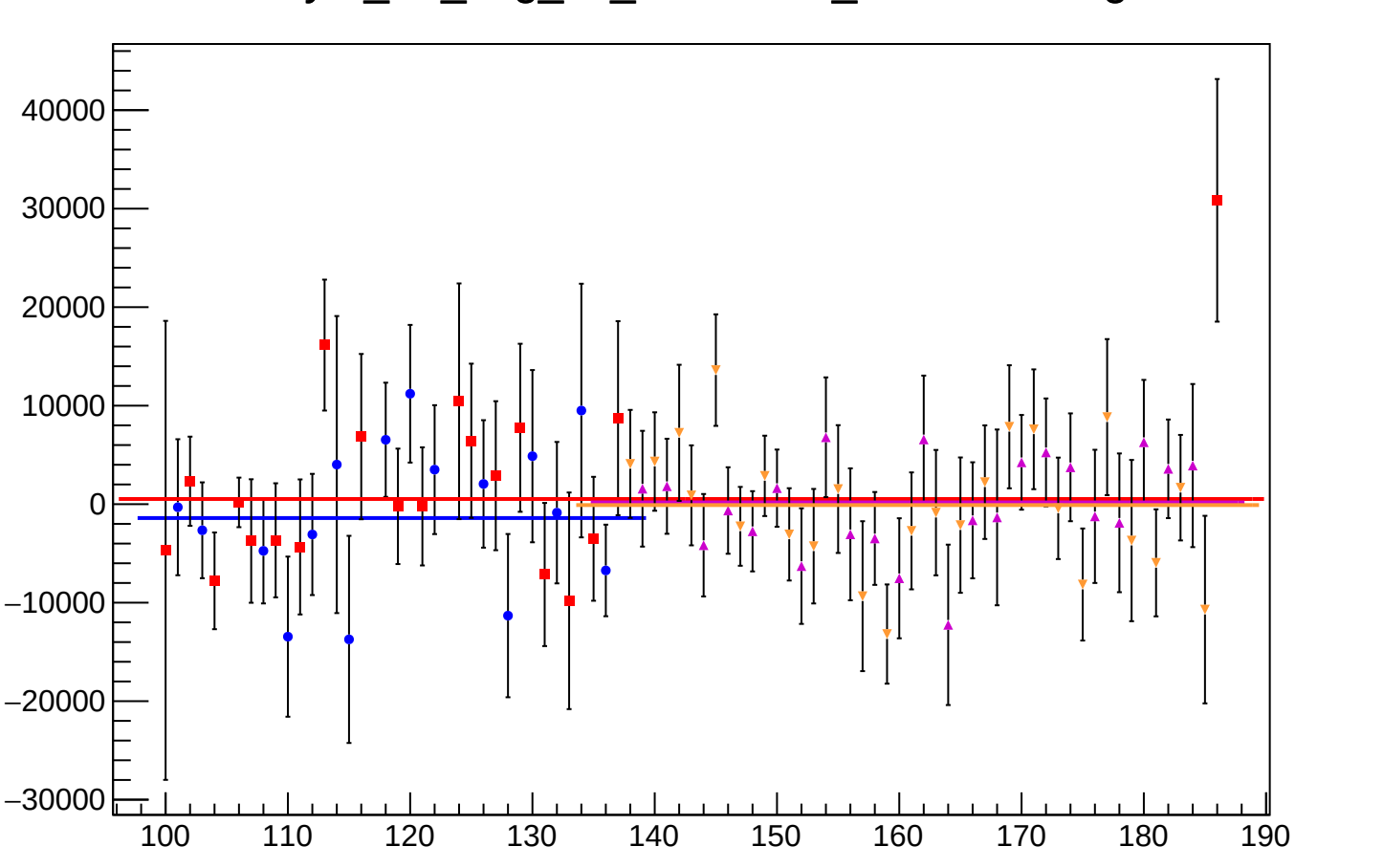
Right Out: 1961.599+/-0.507 χ^2/NDF: 250294.7/19

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1908.758+/-0.263 χ^2/NDF: 716953.5/40

All: 1905.750+/-0.187 χ^2/NDF: 1005140.3/83

- sign 1902.710+/-0.265 χ^2/NDF: 287924.5/42



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 526.966+/-1355.359 χ^2/NDF: 21.9/19

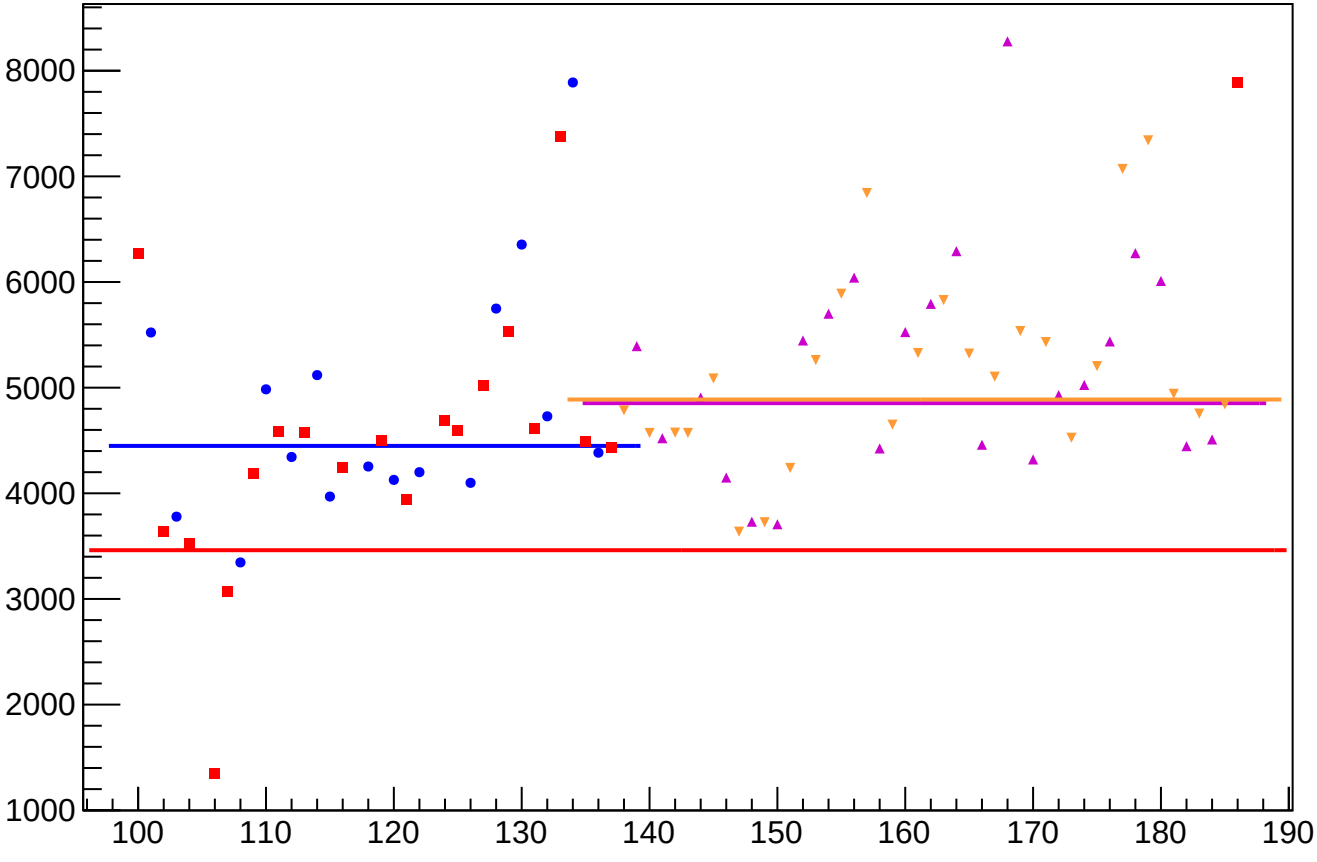
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -499.924+/-941.214 χ^2/NDF: 42.7/40

All: -59.849+/-642.636 χ^2/NDF: 78.7/83

- sign 324.464+/-879.564 χ^2/NDF: 35.5/42

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

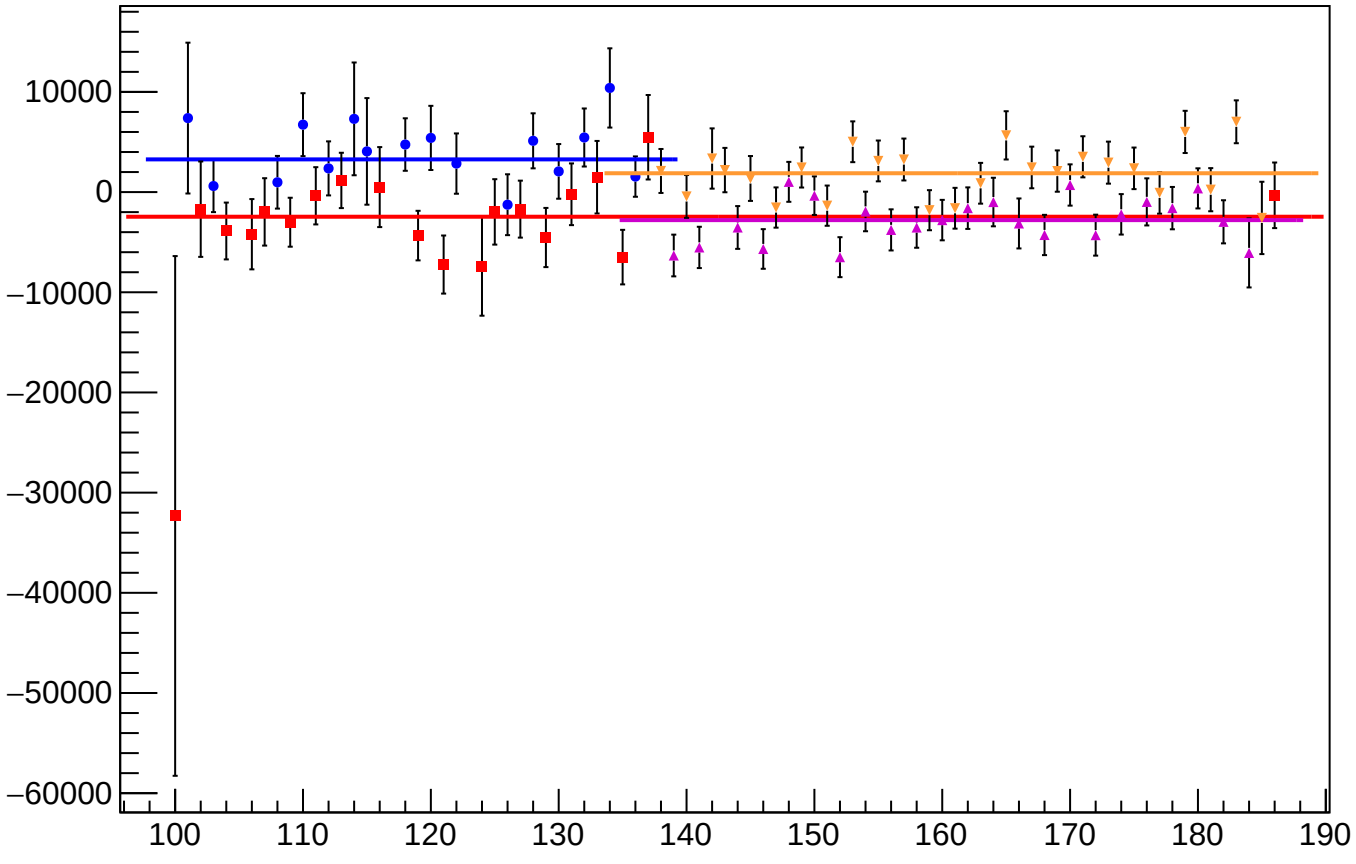
Right Out: 3461.395+/-0.958 χ^2/NDF: 2587579.5/19

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4751.620+/-0.666 χ^2/NDF: 1651055.2/40

All: 4493.000+/-0.454 χ^2/NDF: 6921244.9/83

- sign 4267.150+/-0.622 χ^2/NDF: 4987322.5/42



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2459.000+/-717.032 χ^2/NDF: 17.5/19

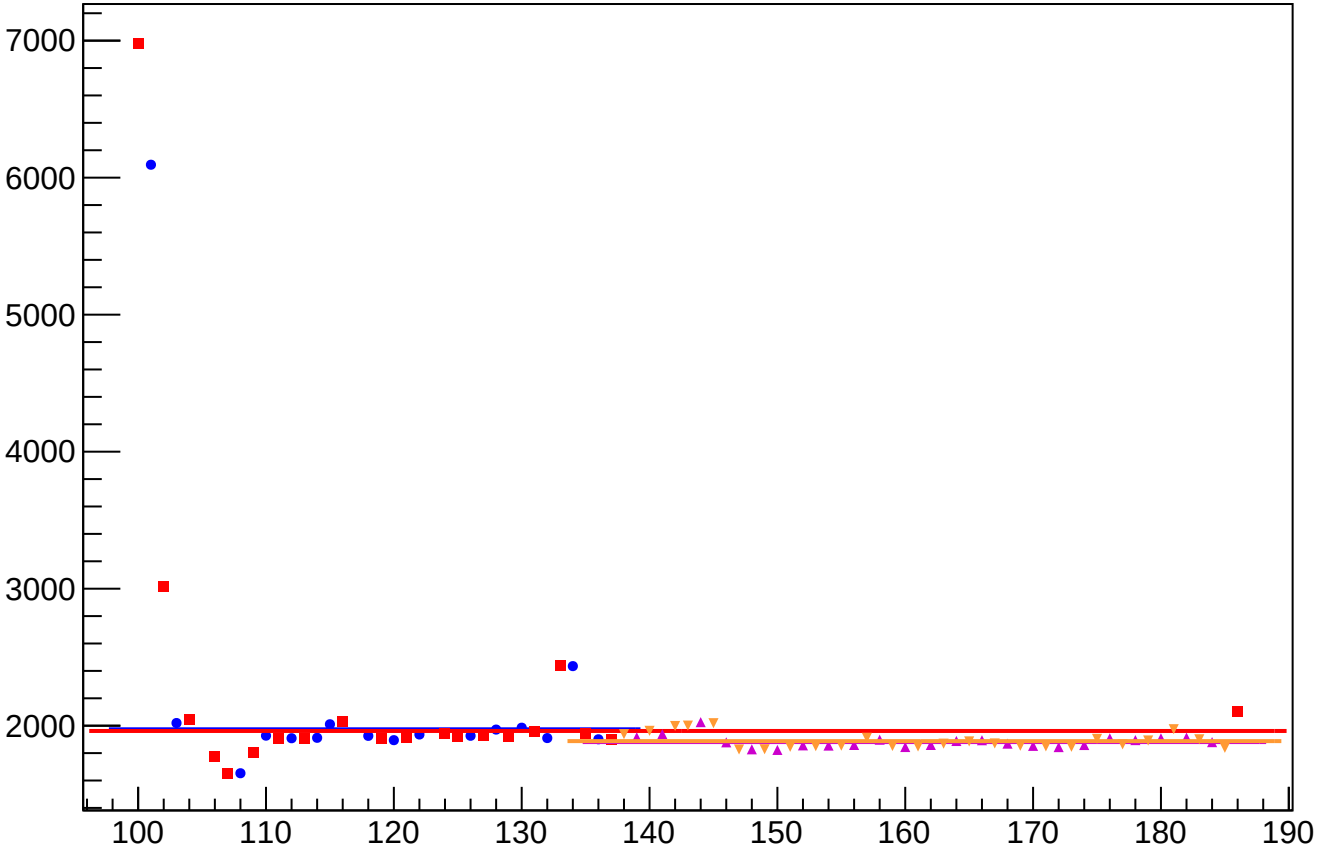
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2221.428+/-372.478 χ^2/NDF: 47.7/40

All: -228.546+/-264.110 χ^2/NDF: 177.7/83

- sign -2705.817+/-374.547 χ^2/NDF: 43.1/42

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

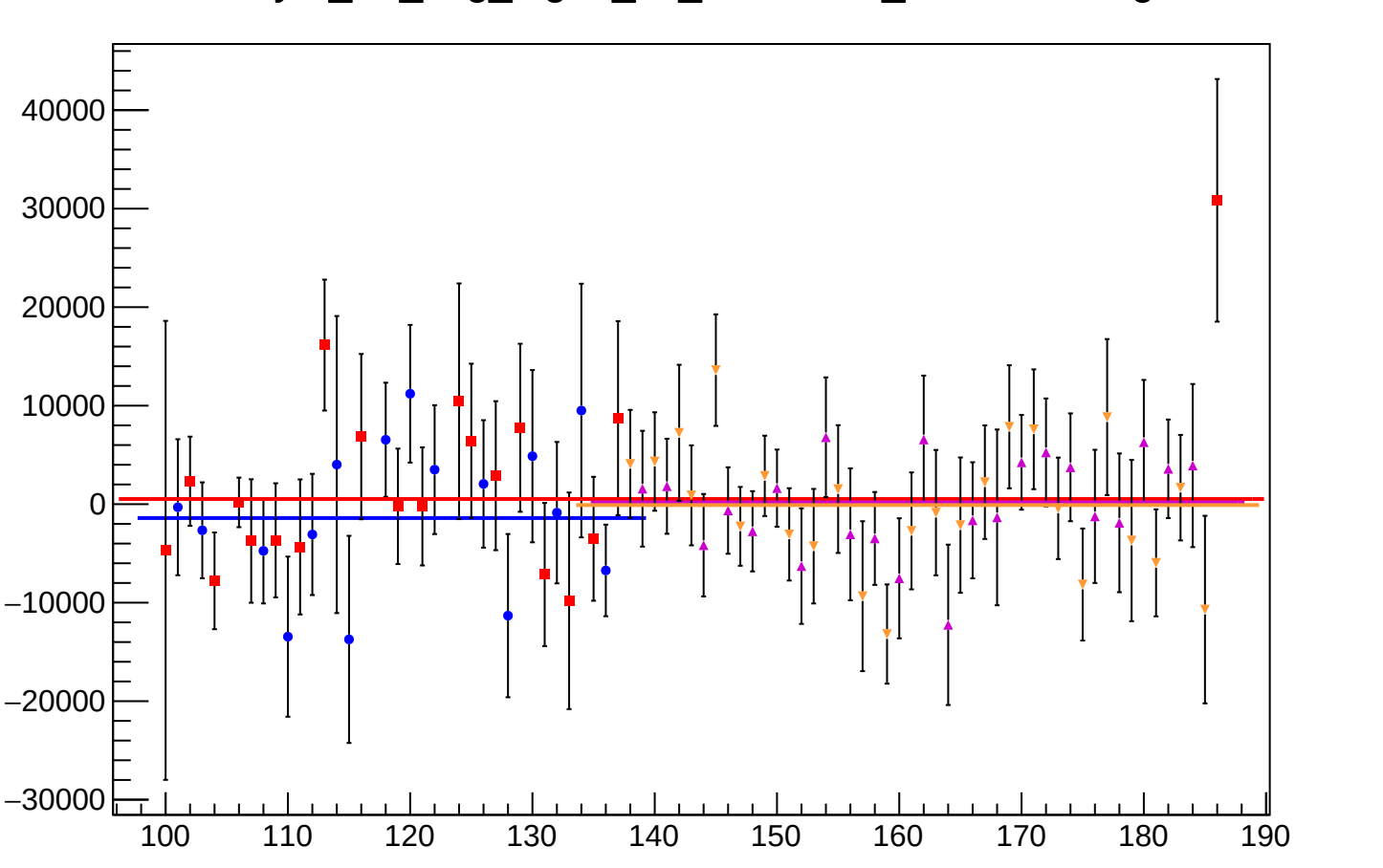
Right Out: 1961.599+/-0.507 χ^2/NDF: 250294.1/19

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1908.758+/-0.263 χ^2/NDF: 716953.1/40

All: 1905.750+/-0.187 χ^2/NDF: 1005138.9/83

- sign 1902.710+/-0.265 χ^2/NDF: 287923.5/42



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

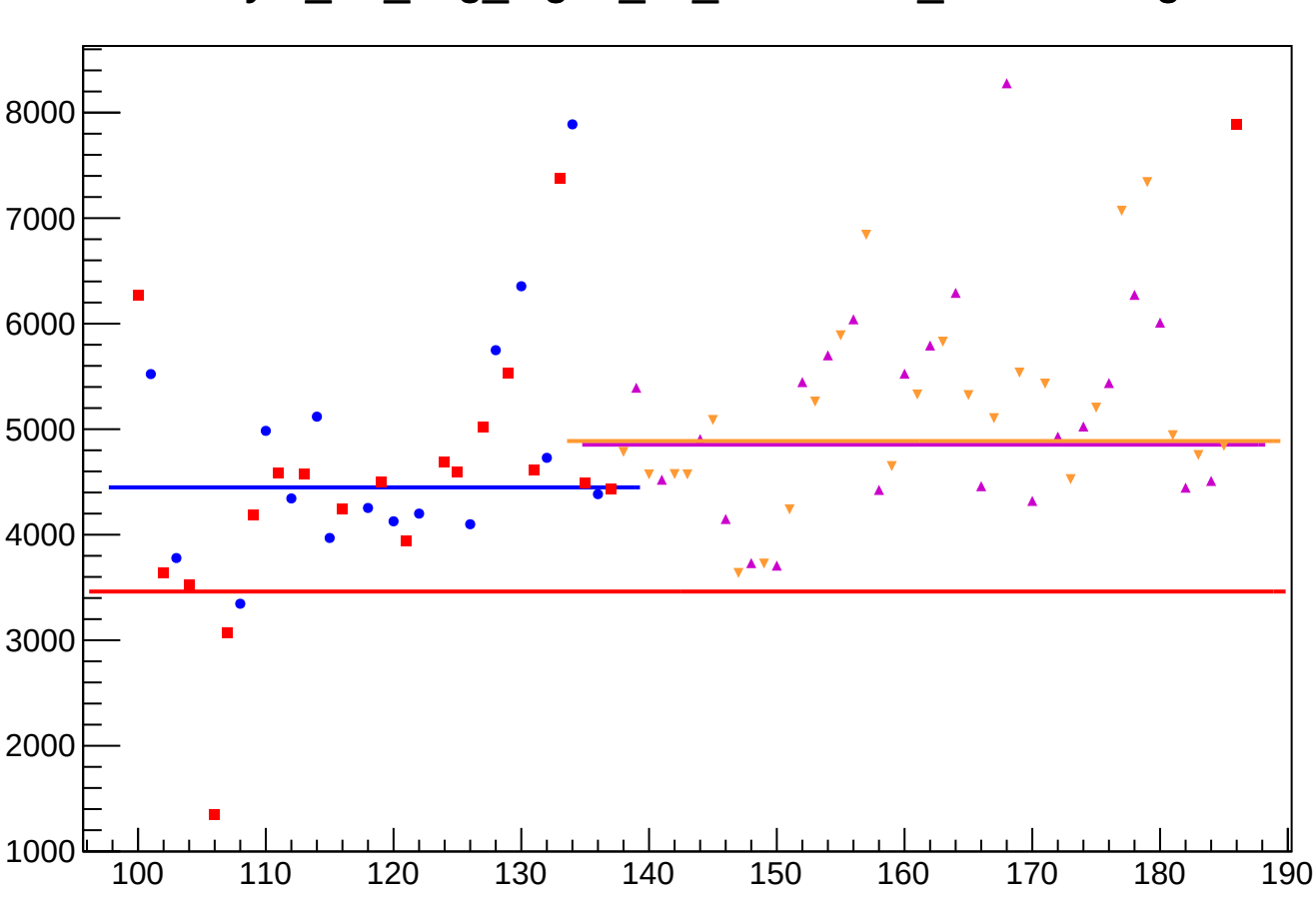
Right Out: 526.967+/-1355.356 χ^2/NDF: 21.9/19

Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

\+ sign -499.922+/-941.214 χ^2/NDF: 42.7/40

All: -59.847+/-642.636 χ^2/NDF: 78.7/83

\- sign 324.466+/-879.564 χ^2/NDF: 35.5/42



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 3461.387+/-0.958 χ^2/NDF: 2587583.4/19

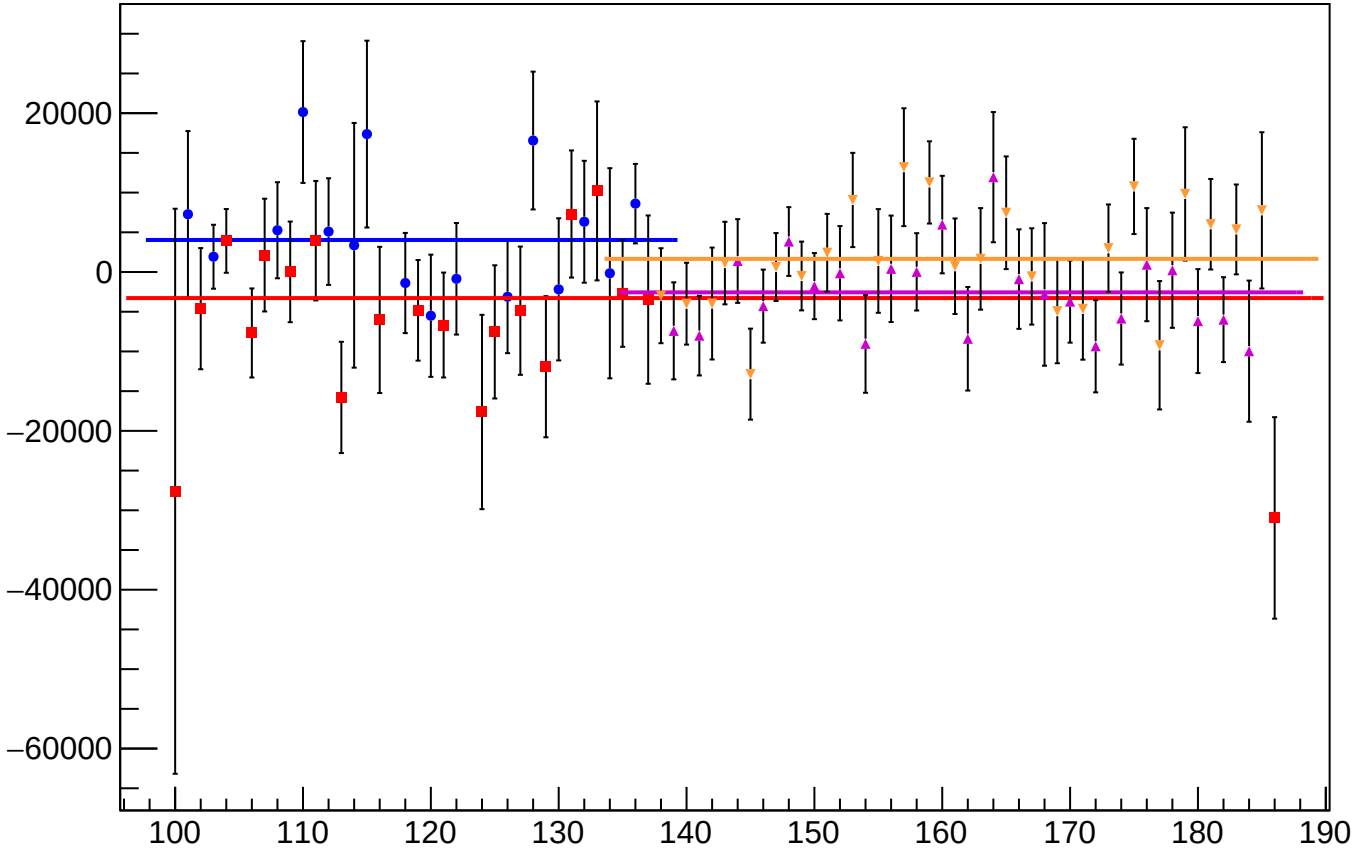
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4751.623+/-0.666 χ^2/NDF: 1651060.2/40

All: 4493.001+/-0.454 χ^2/NDF: 6921290.0/83

- sign 4267.149+/-0.622 χ^2/NDF: 4987357.9/42

asym_atr_avg_mean vs Slug



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

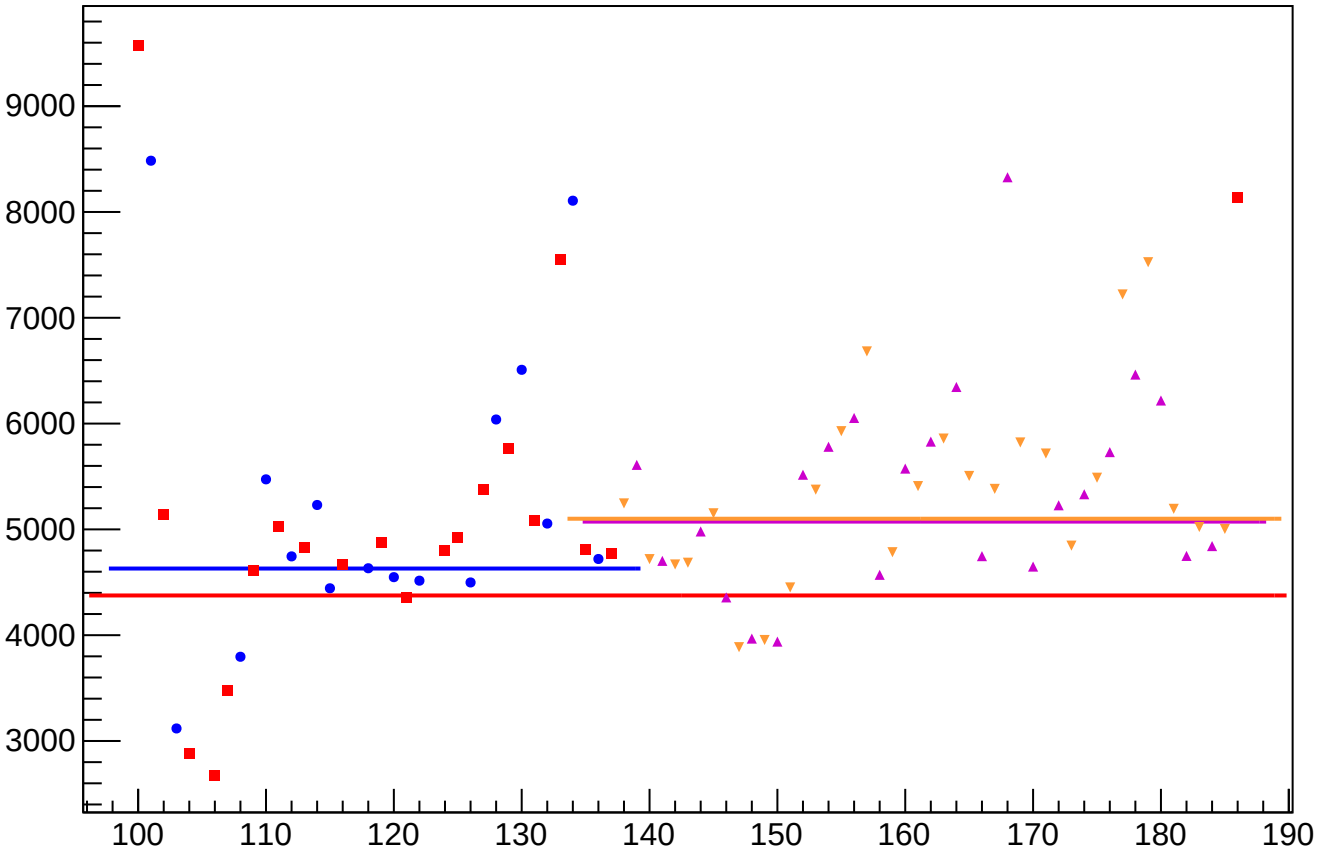
Right Out: -3281.356+/-1657.543 χ^2/NDF: 20.3/19

Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2378.907+/-983.077 χ^2/NDF: 39.6/40

All: -239.443+/-692.042 χ^2/NDF: 90.0/83

- sign -2811.628+/-974.372 χ^2/NDF: 36.4/42



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 4375.401+/-1.162 χ^2/NDF: 1083424.6/19

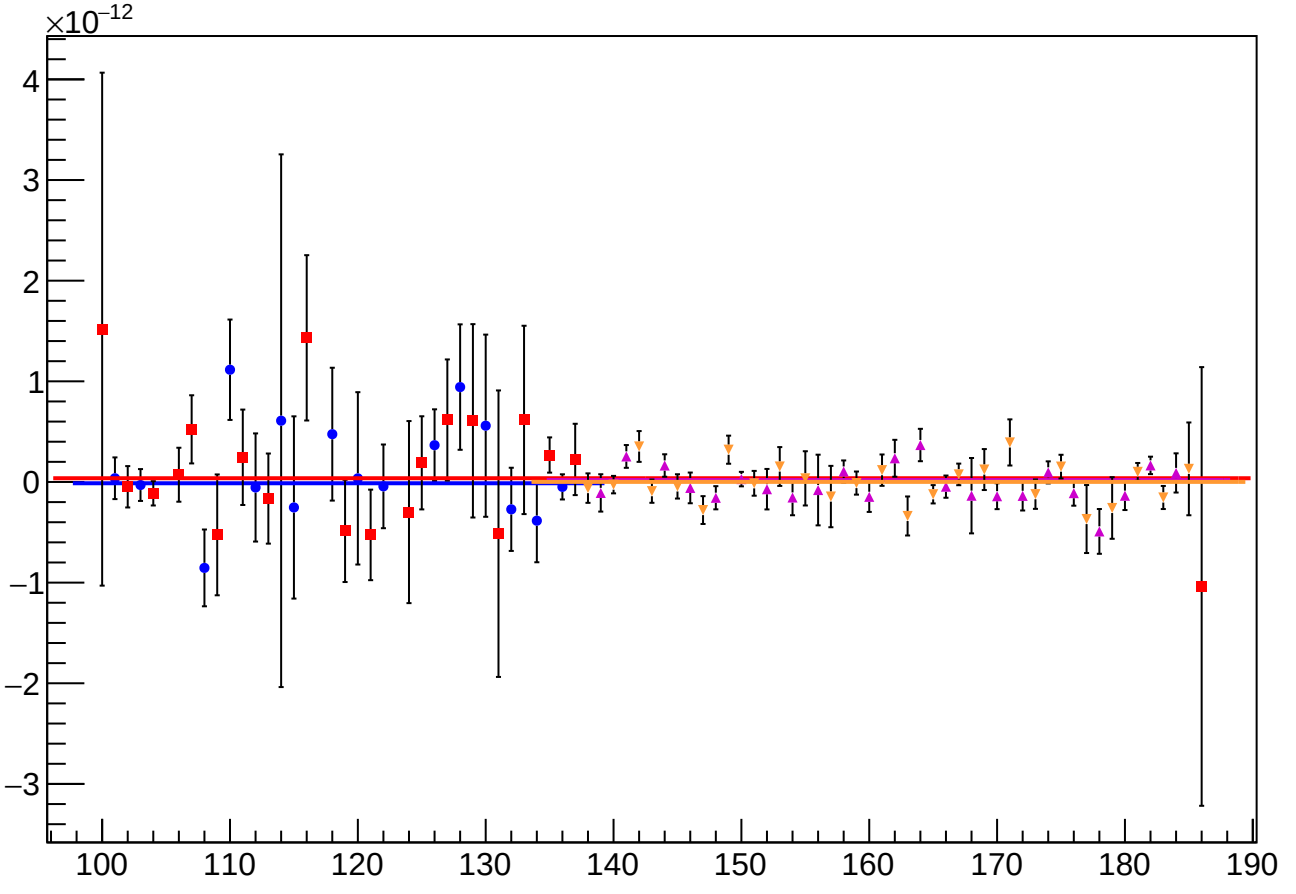
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 4957.401+/-0.695 χ^2/NDF: 1906637.6/40

All: 4892.738+/-0.489 χ^2/NDF: 4233882.7/83

- 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: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

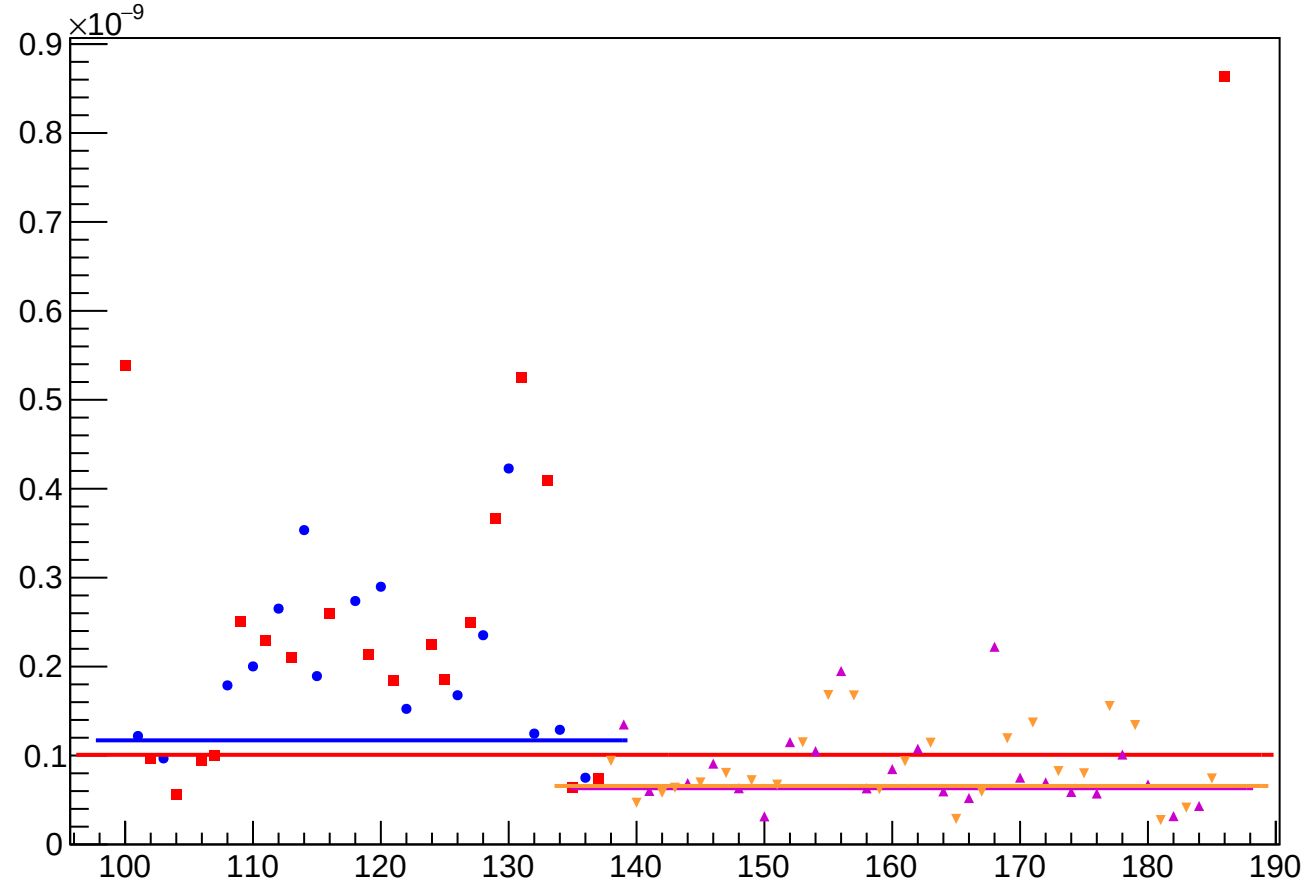
Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/19

Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.2/40

All: 0.000+/-0.000 χ^2/NDF: 97.3/83

- sign 0.000+/-0.000 χ^2/NDF: 47.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2089294.7/19

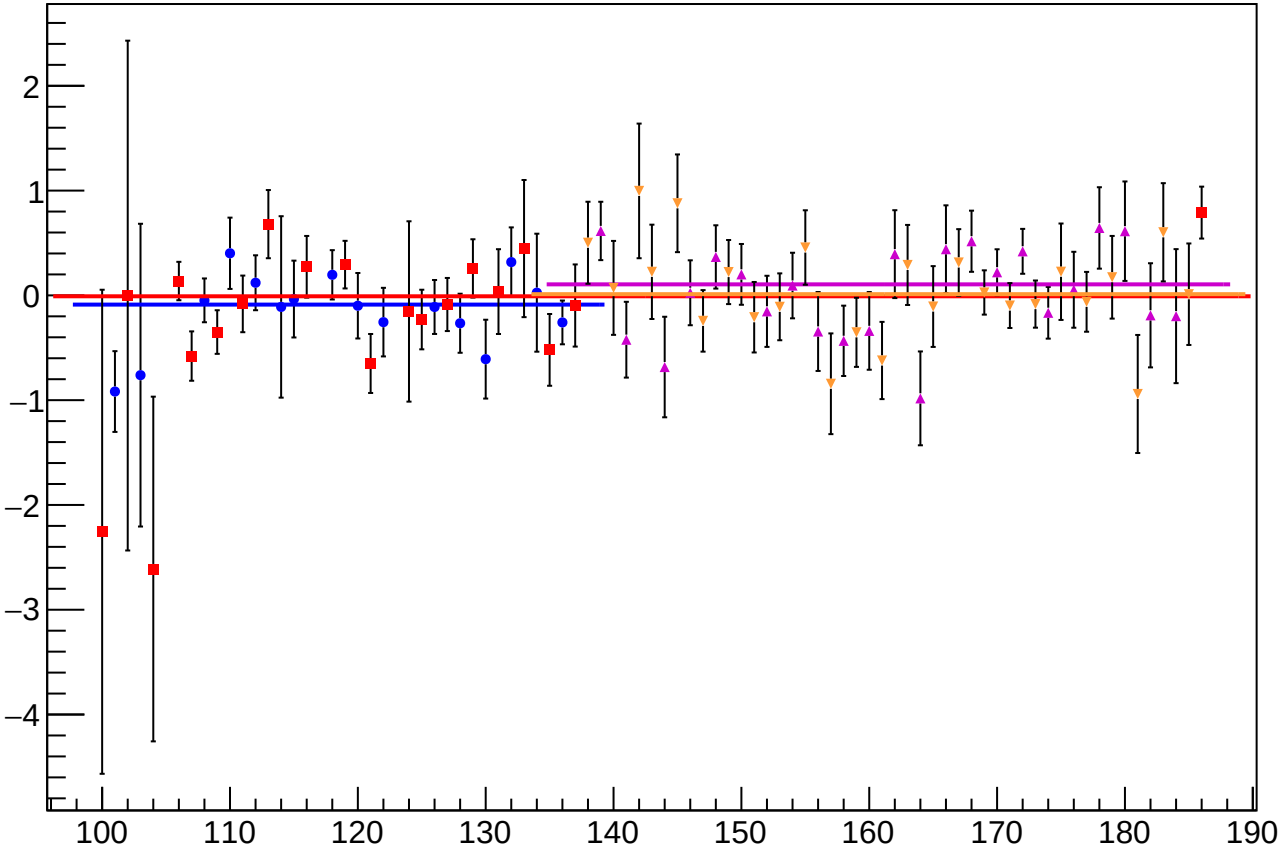
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 4389936.3/40

All: 0.000+/-0.000 χ^2/NDF: 9167055.6/83

- sign 0.000+/-0.000 χ^2/NDF: 4754661.5/42

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.009+/-0.067 χ^2/NDF: 39.9/19

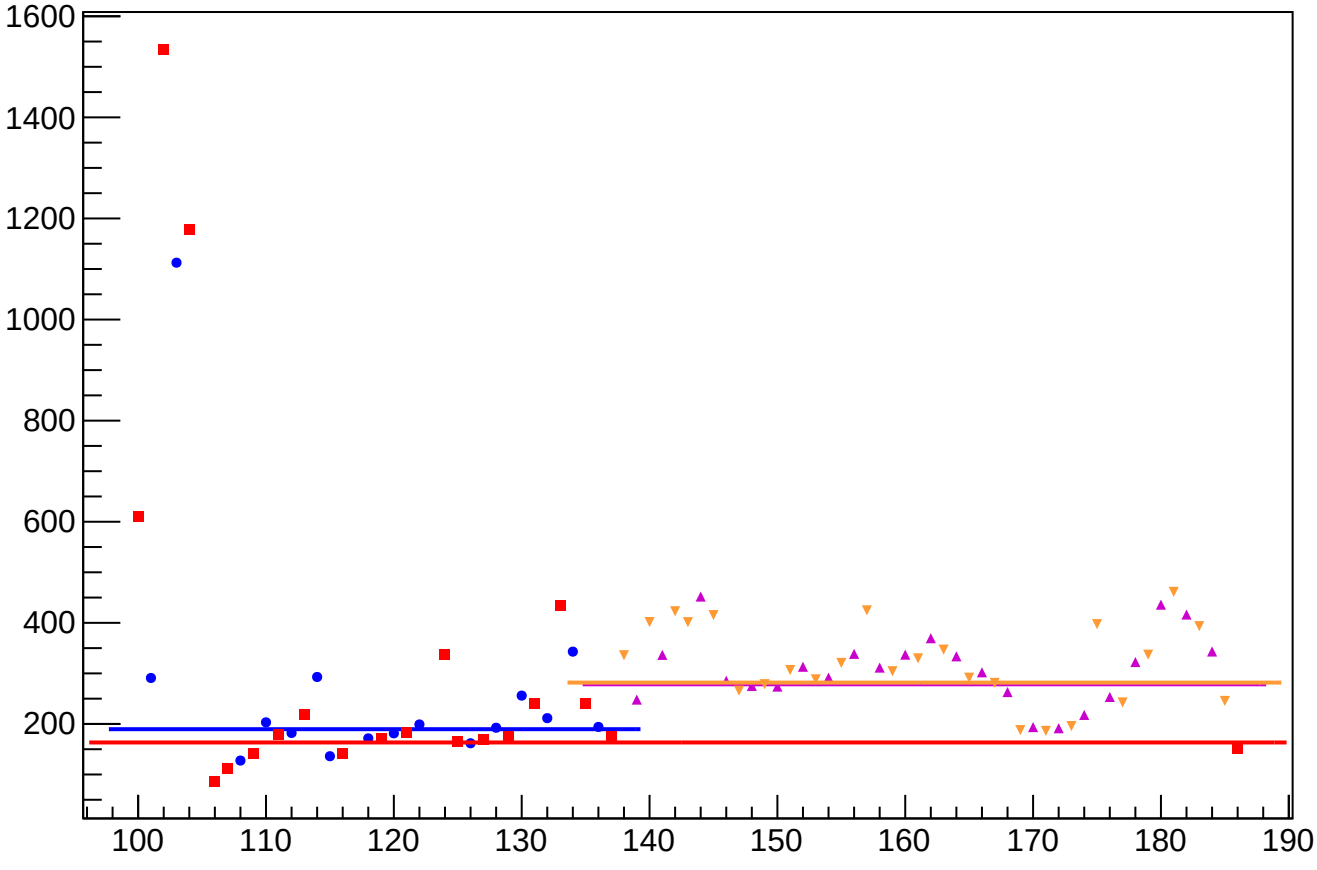
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.032+/-0.051 χ^2/NDF: 40.0/40

All: 0.010+/-0.035 χ^2/NDF: 114.0/83

- sign 0.047+/-0.048 χ^2/NDF: 72.7/42

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 163.358+/-0.048 χ^2/NDF: 2648251.6/19

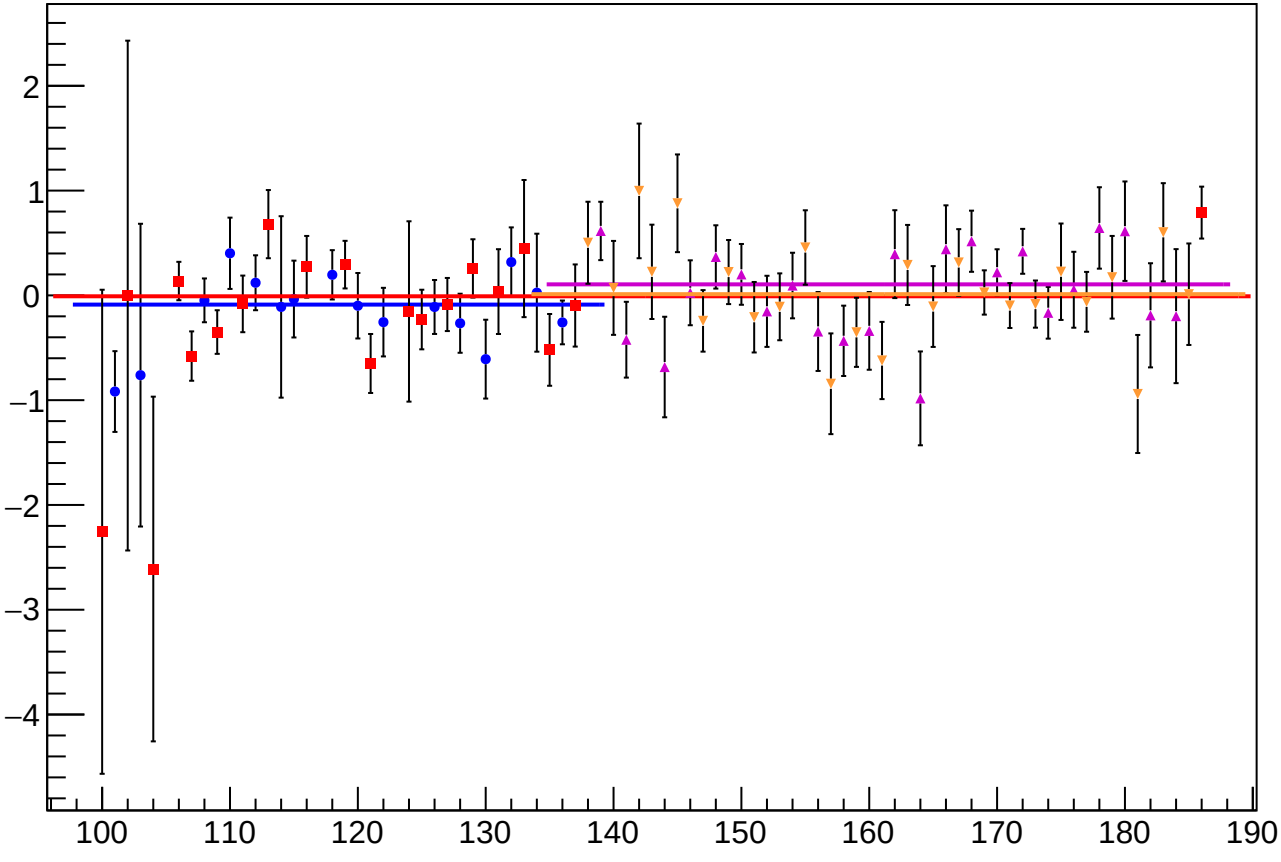
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 241.255+/-0.036 χ^2/NDF: 5601482.1/40

All: 229.936+/-0.025 χ^2/NDF: 13099830.5/83

- sign 219.851+/-0.034 χ^2/NDF: 7311475.2/42

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.009+/-0.067 χ^2/NDF: 39.9/19

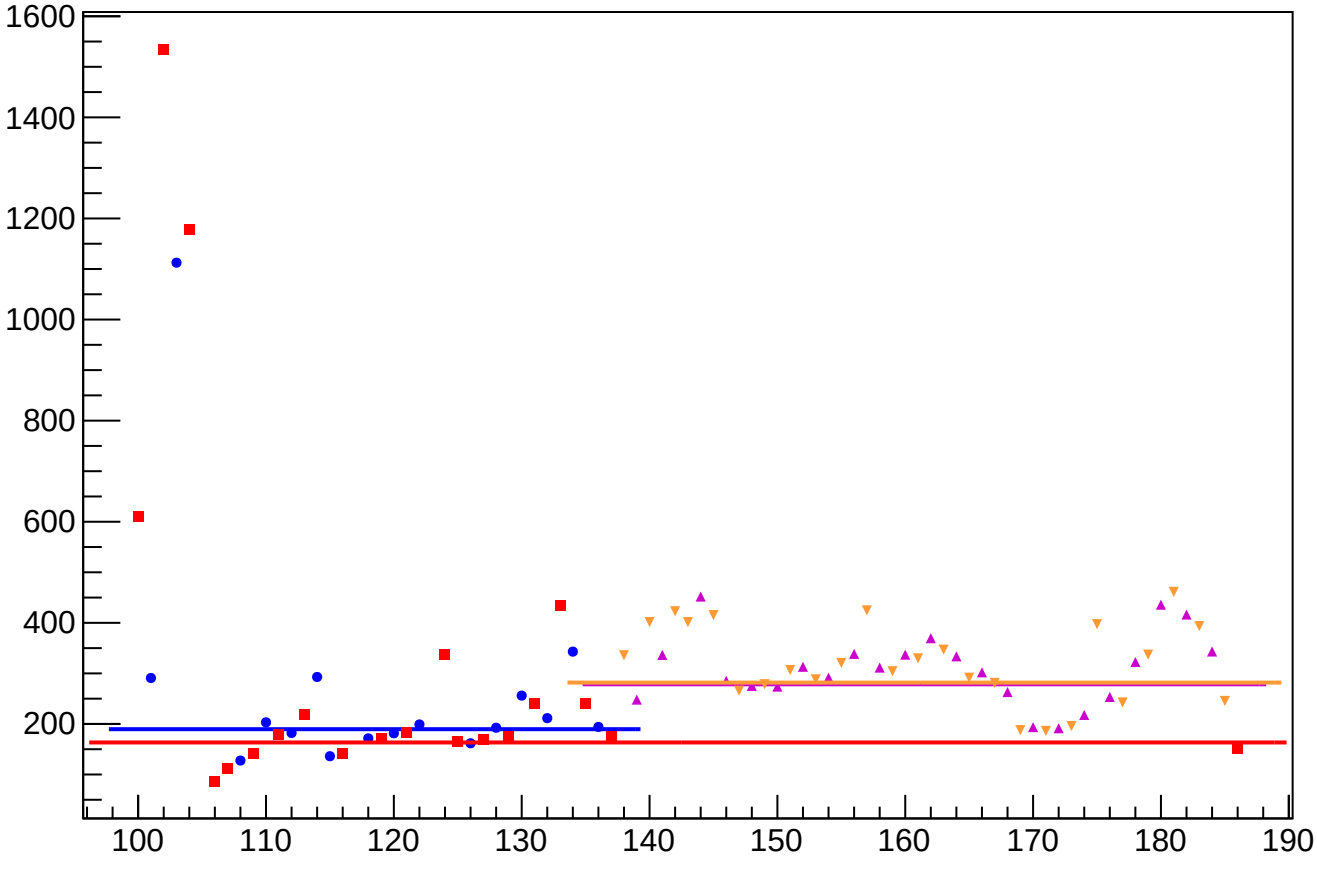
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.032+/-0.051 χ^2/NDF: 40.0/40

All: 0.010+/-0.035 χ^2/NDF: 114.0/83

- sign 0.047+/-0.048 χ^2/NDF: 72.7/42

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

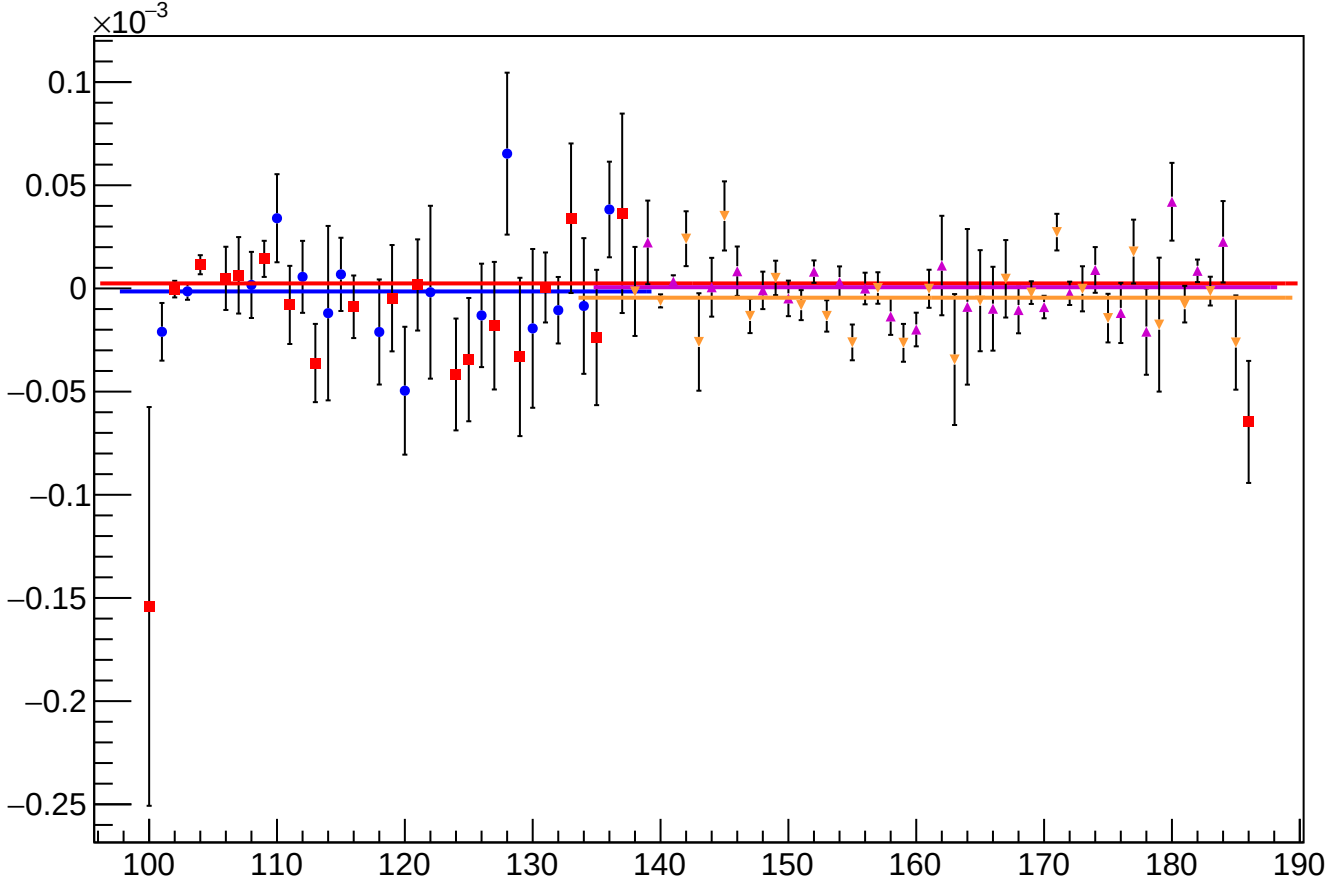
Right Out: 163.358+/-0.048 χ^2/NDF: 2648251.6/19

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 241.255+/-0.036 χ^2/NDF: 5601482.1/40

All: 229.936+/-0.025 χ^2/NDF: 13099830.5/83

- sign 219.851+/-0.034 χ^2/NDF: 7311475.2/42



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/19

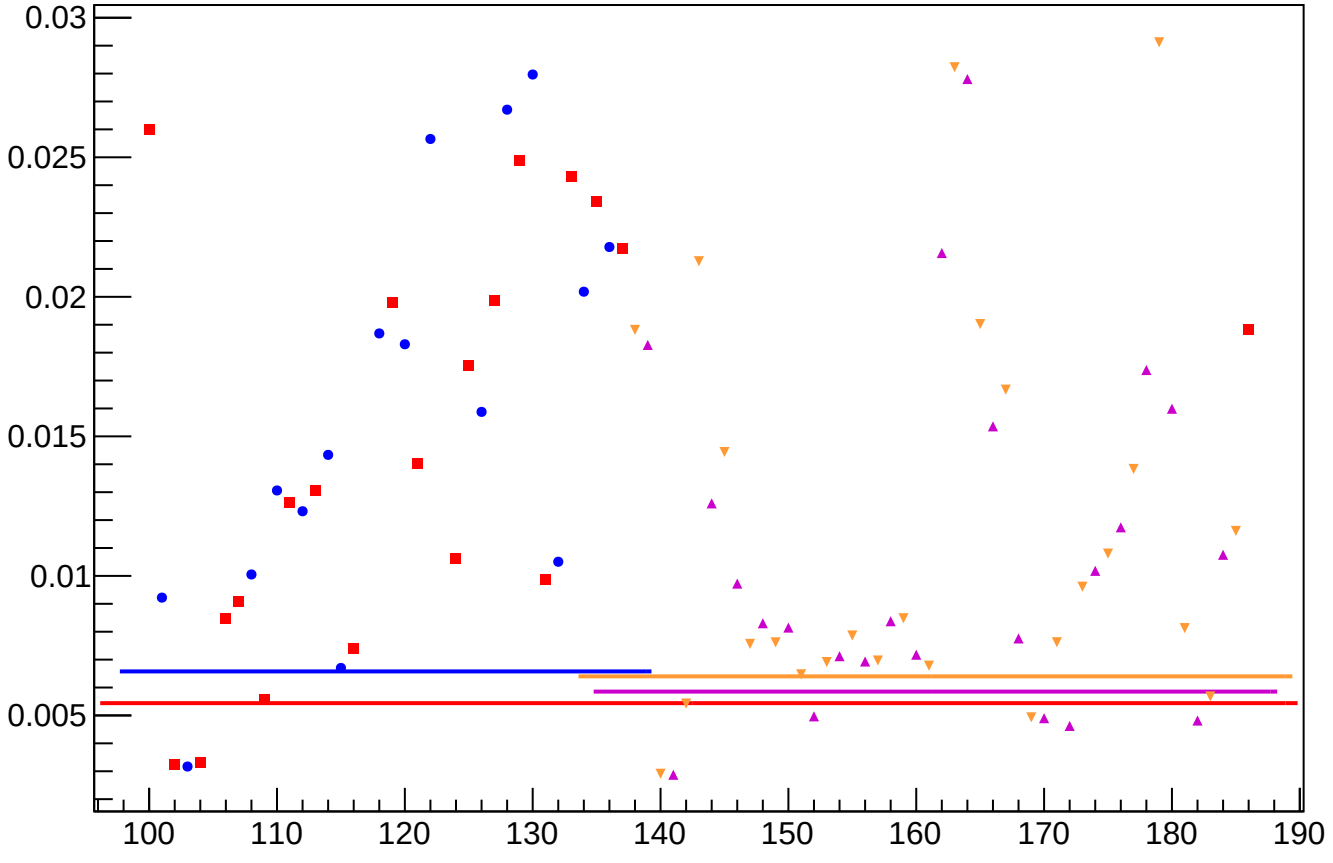
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.9/40

All: -0.000+/-0.000 χ^2/NDF: 123.6/83

- 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: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.005+/-0.000 χ^2/NDF: 6098455.1/19

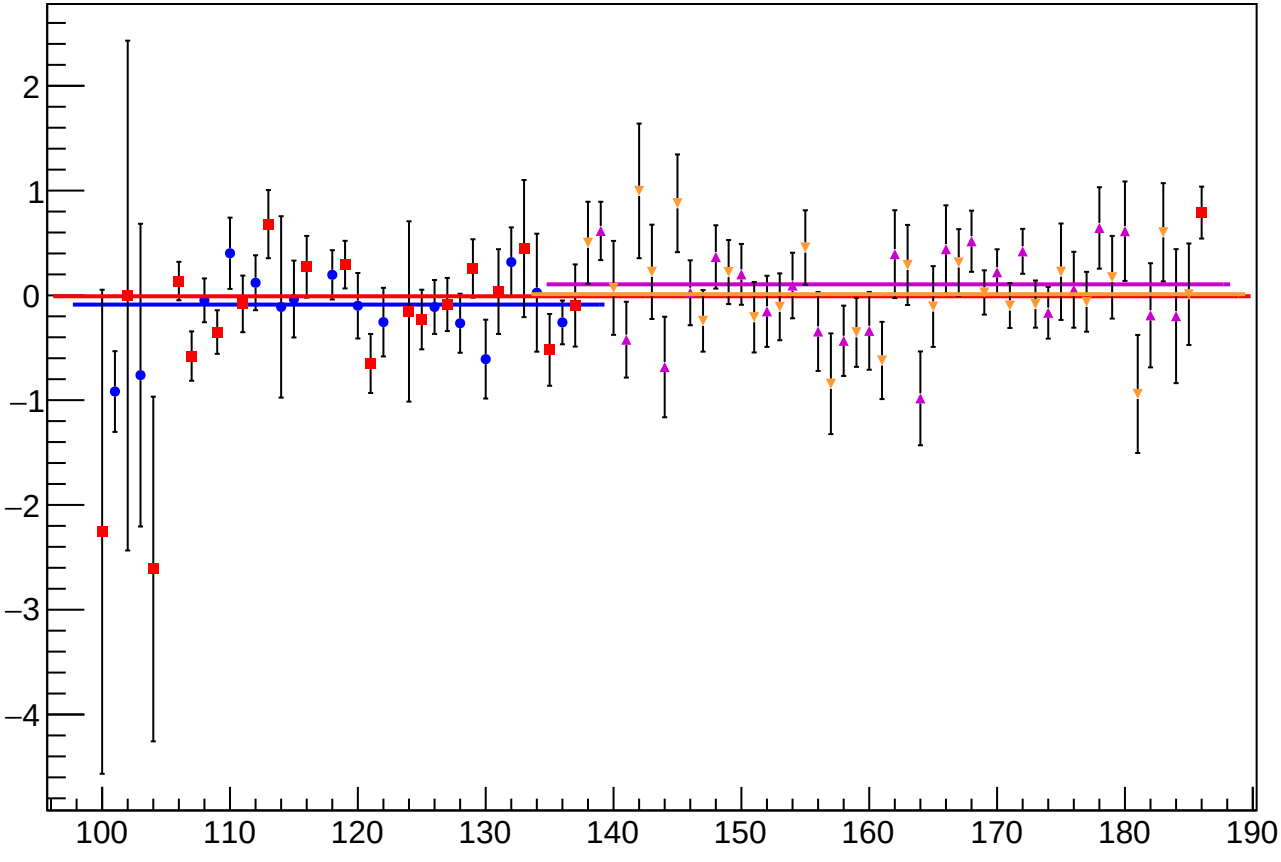
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.006+/-0.000 χ^2/NDF: 14896798.9/40

All: 0.006+/-0.000 χ^2/NDF: 29411224.6/83

- sign 0.006+/-0.000 χ^2/NDF: 14279931.8/42

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

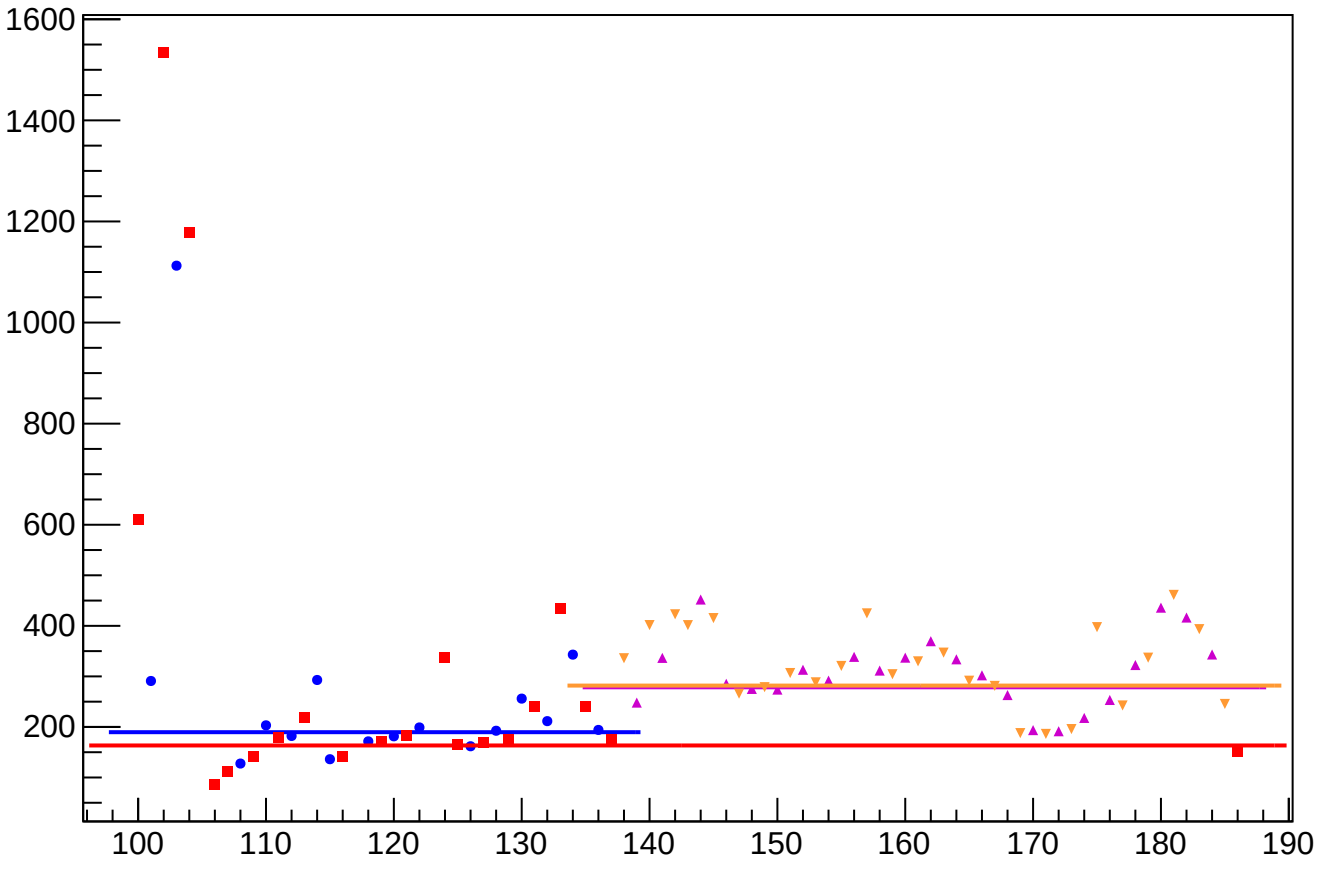
Right Out: -0.009+/-0.067 χ^2/NDF: 39.9/19

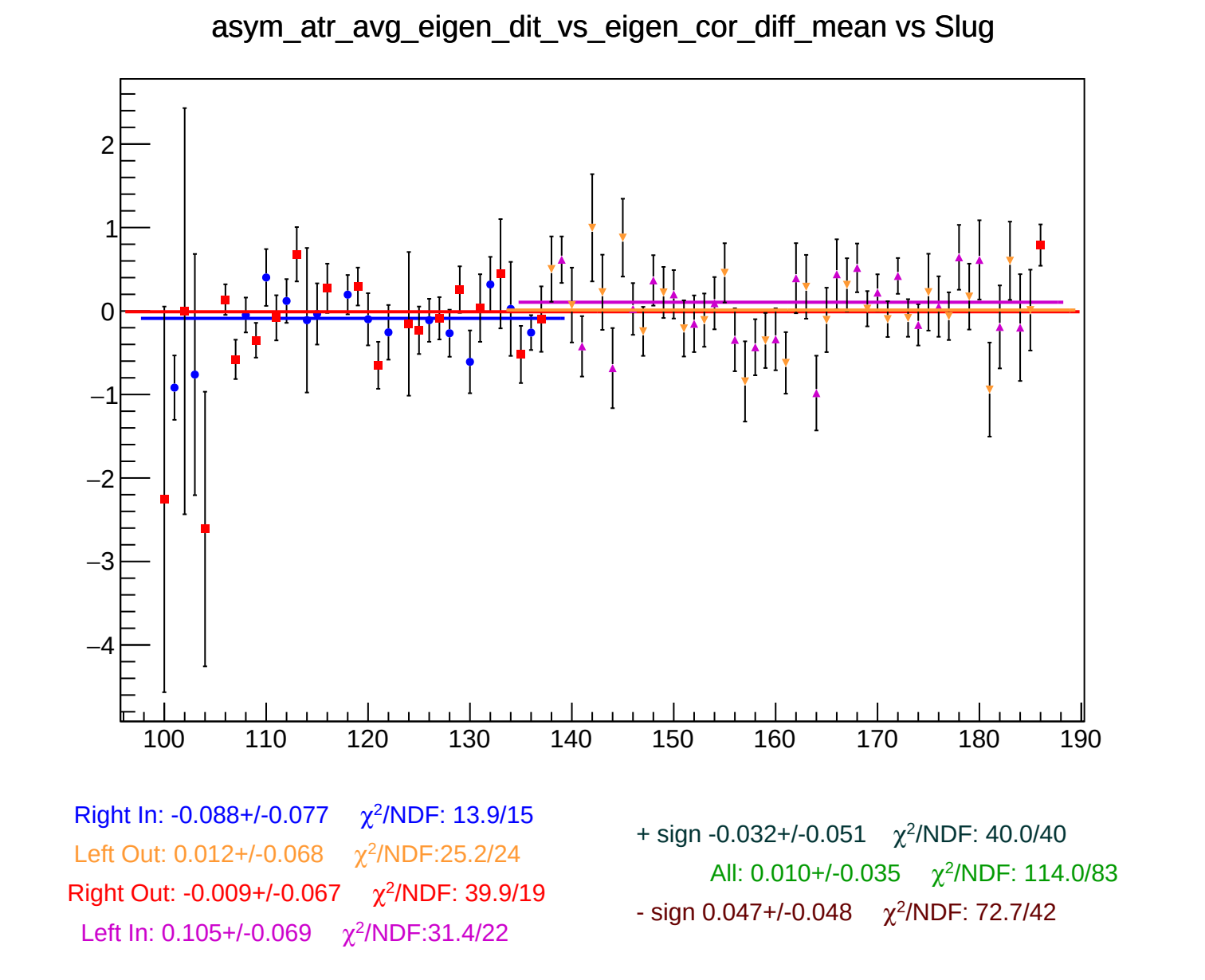
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

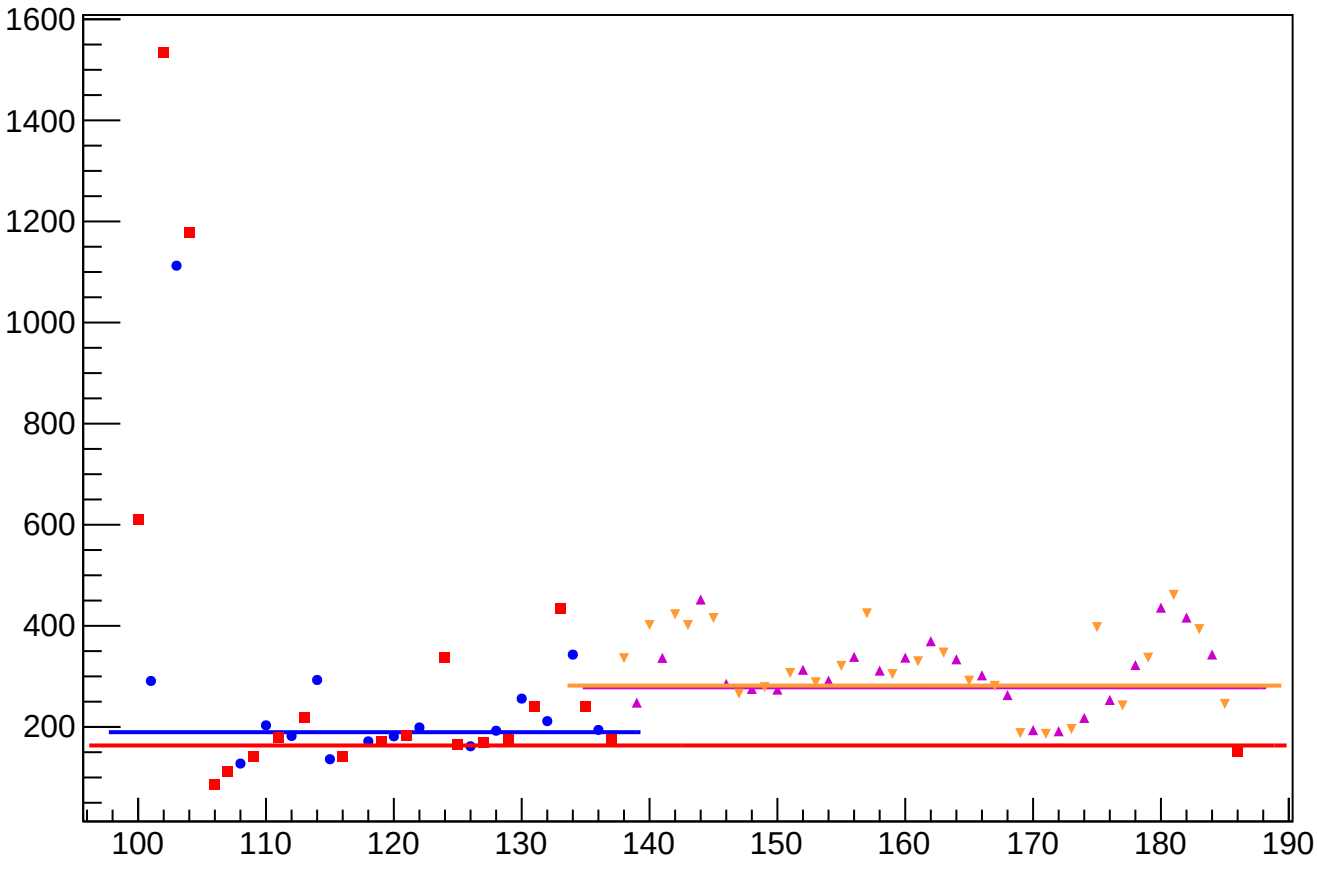
+ sign -0.032+/-0.051 χ^2/NDF: 40.0/40

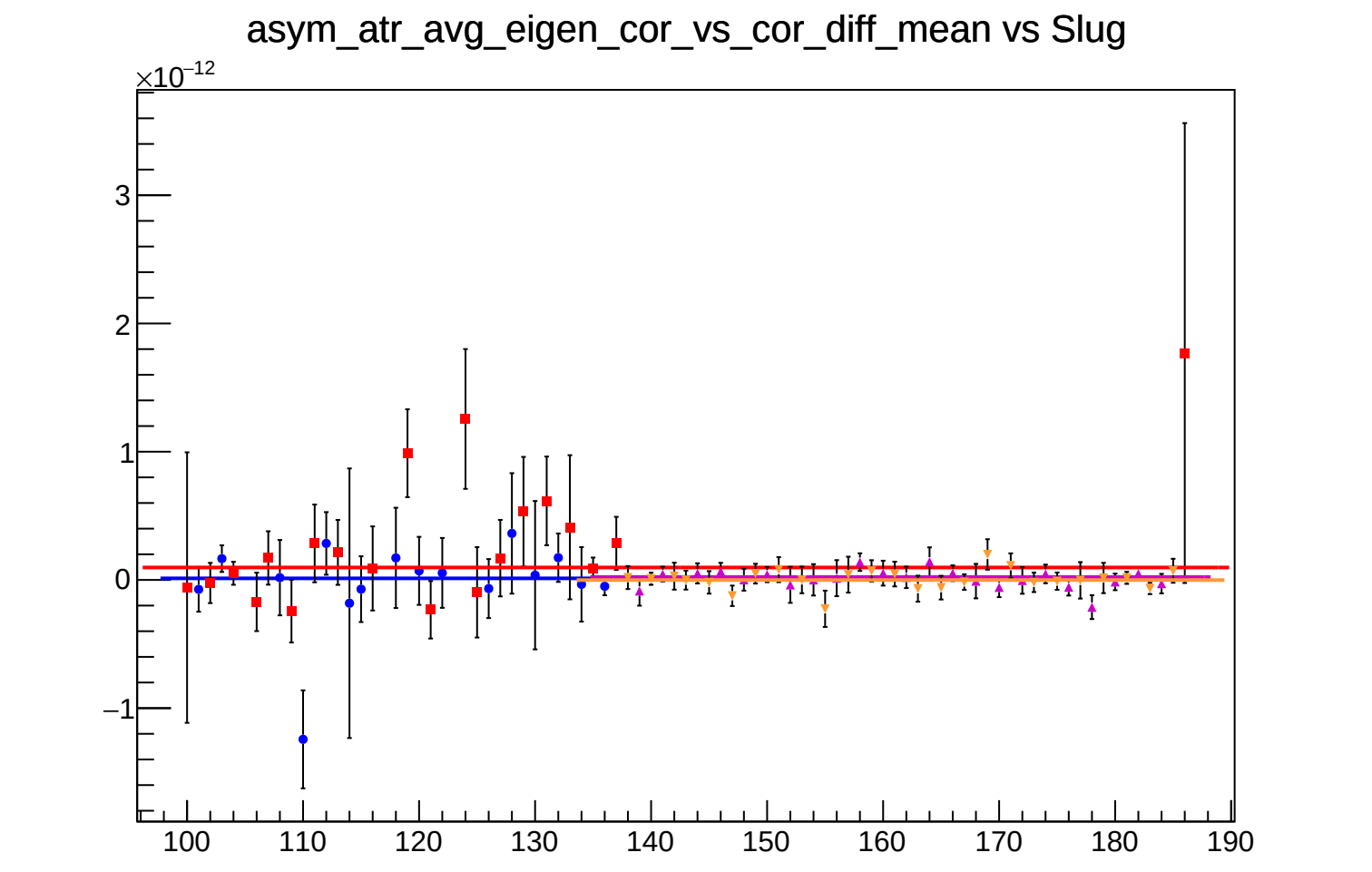
All: 0.010+/-0.035 χ^2/NDF: 114.0/83

- sign 0.047+/-0.048 χ^2/NDF: 72.7/42


asym_atr_avg_eigen_dit_vs_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: 189.628+/-0.054 χ²/NDF: 1465464.1/15
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 241.256+/-0.036 χ²/NDF: 5601643.8/40
All: 229.936+/-0.025 χ²/NDF: 13100211.0/83
- sign 219.850+/-0.034 χ²/NDF: 7311678.4/42


asym_atr_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: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.012+/-0.068 χ²/NDF:25.2/24
Right Out: -0.009+/-0.067 χ²/NDF: 39.9/19
Left In: 0.105+/-0.069 χ²/NDF:31.4/22
+ sign -0.032+/-0.051 χ²/NDF: 40.0/40
All: 0.010+/-0.035 χ²/NDF: 114.0/83
- sign 0.047+/-0.048 χ²/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: 189.628+/-0.054 χ²/NDF: 1465464.1/15
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 241.256+/-0.036 χ²/NDF: 5601643.8/40
All: 229.936+/-0.025 χ²/NDF: 13100211.0/83
- sign 219.850+/-0.034 χ²/NDF: 7311678.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

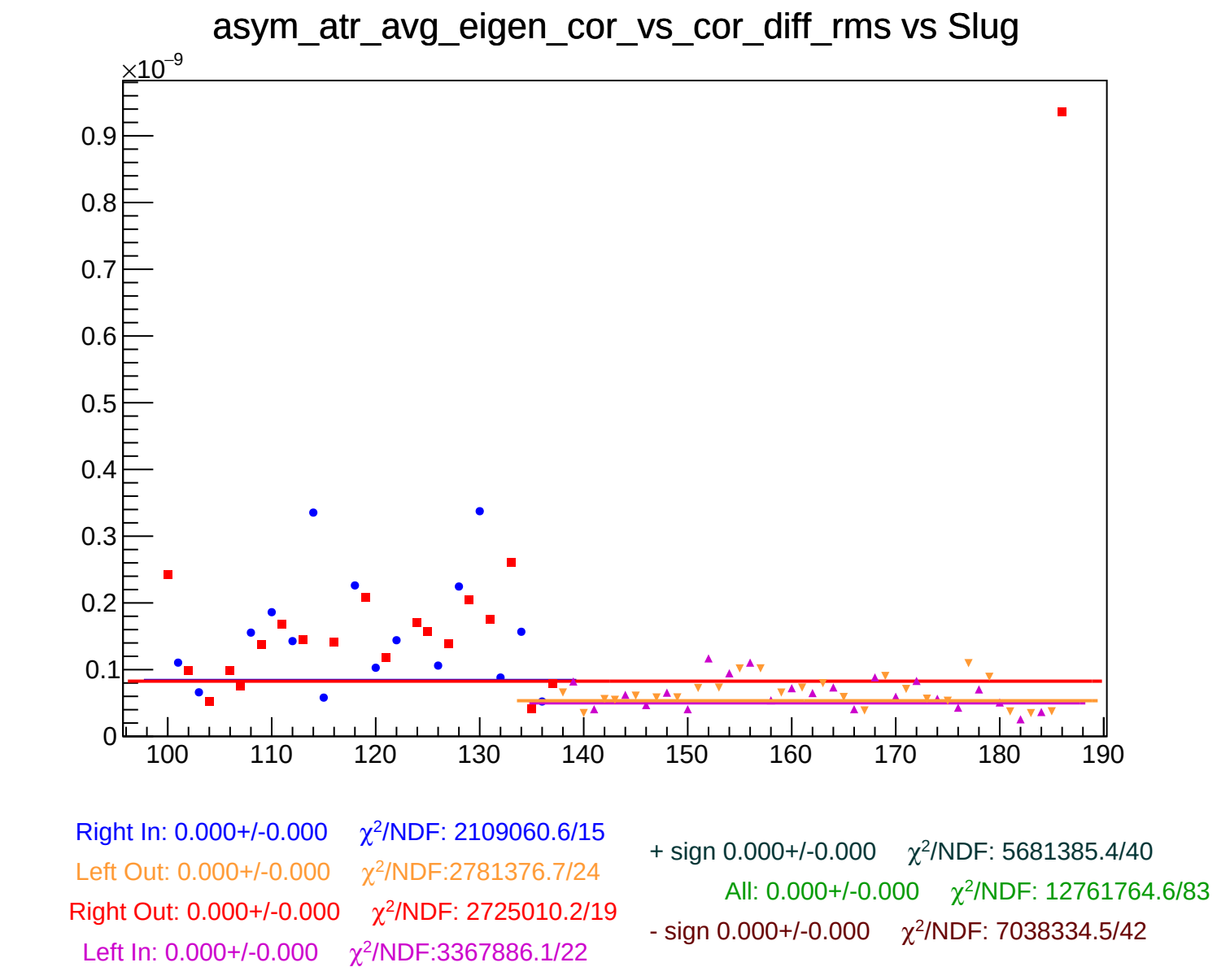
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/19

Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

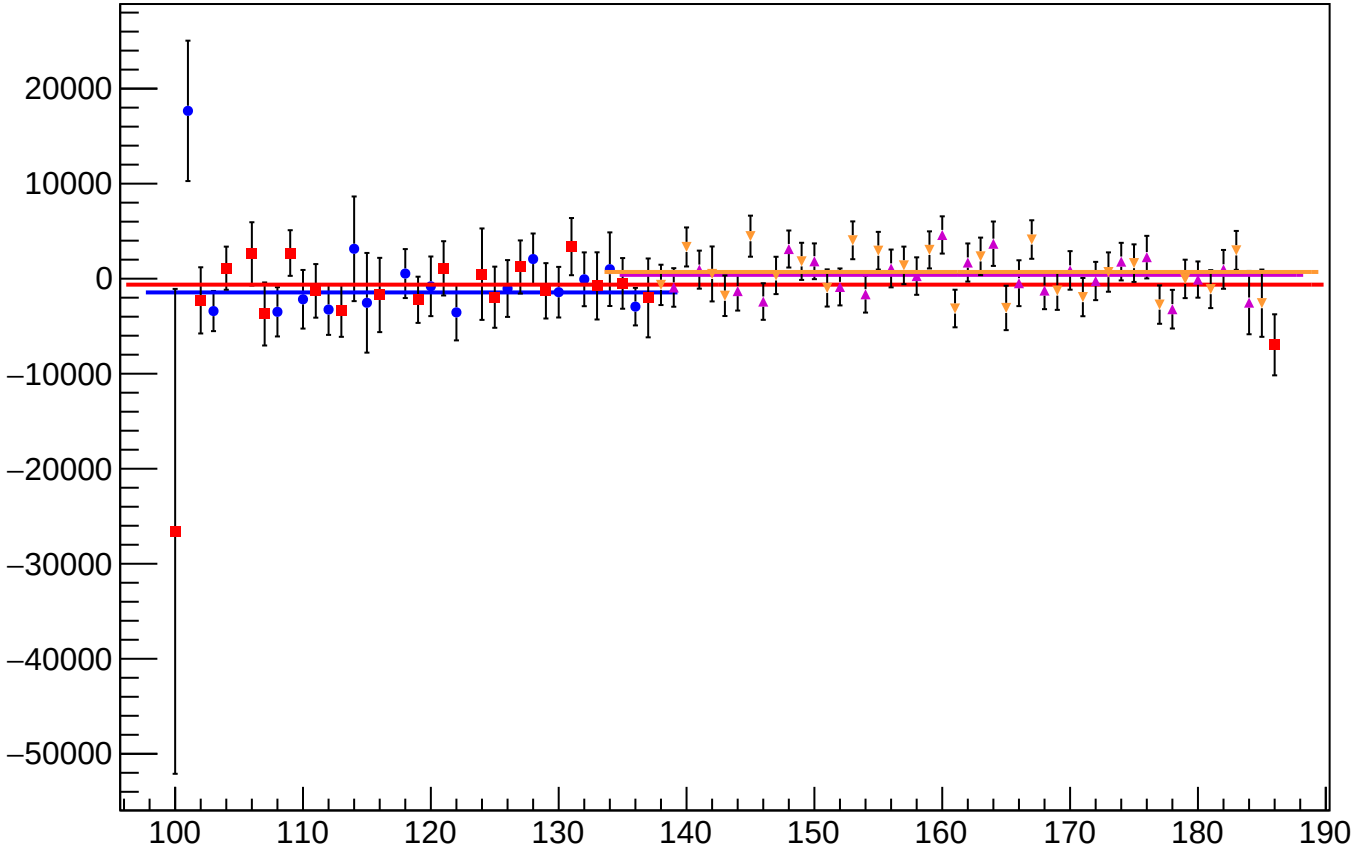
+ sign 0.000+/-0.000 χ^2/NDF: 32.5/40

All: 0.000+/-0.000 χ^2/NDF: 78.0/83

- sign 0.000+/-0.000 χ^2/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: 2109060.6/15
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: 5681385.4/40
All: 0.000+/-0.000 χ²/NDF: 12761764.6/83
- sign 0.000+/-0.000 χ²/NDF: 7038334.5/42

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -628.796+/-686.423 χ^2/NDF: 14.0/19

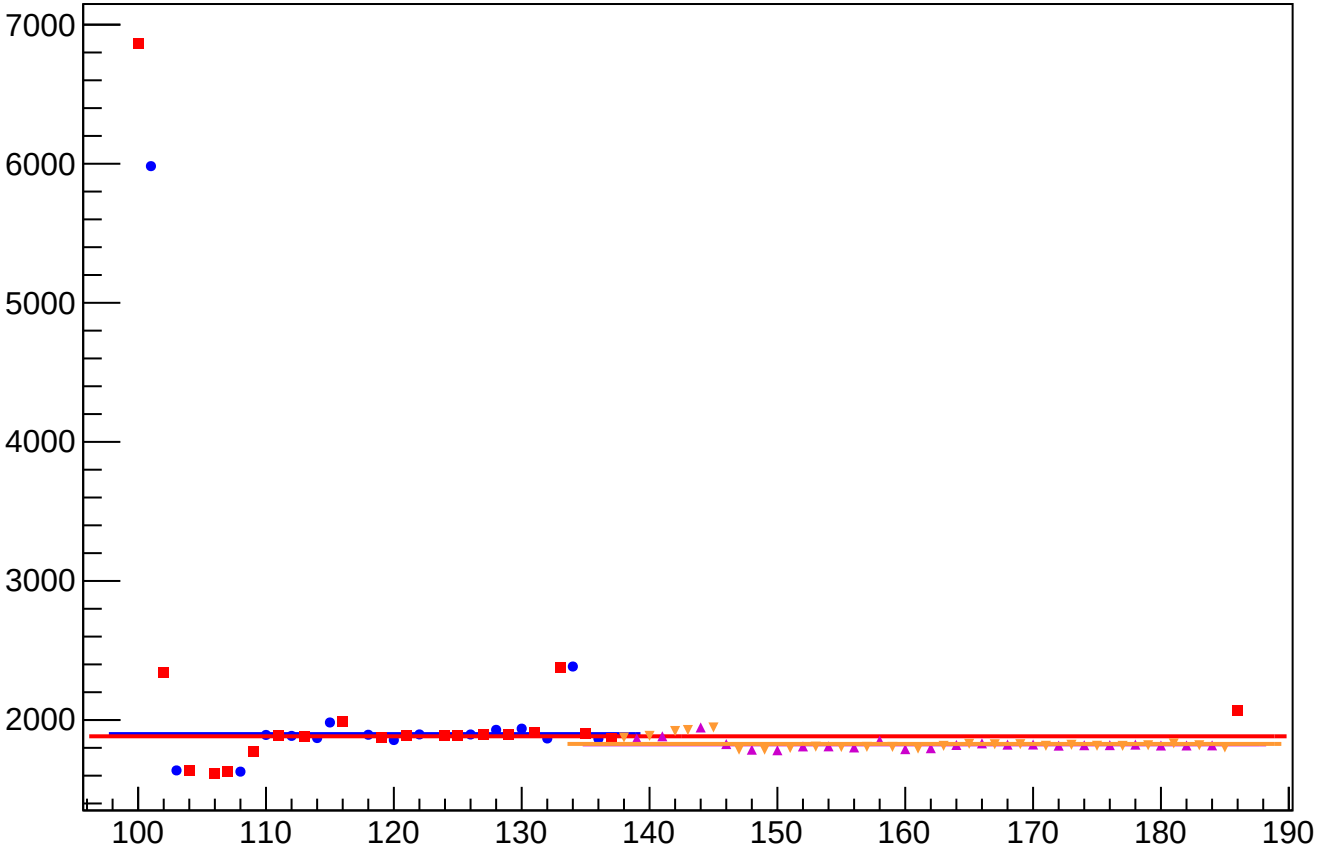
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 171.772+/-360.189 χ^2/NDF: 52.1/40

All: 144.030+/-255.362 χ^2/NDF: 88.5/83

- sign 115.995+/-362.092 χ^2/NDF: 36.4/42

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

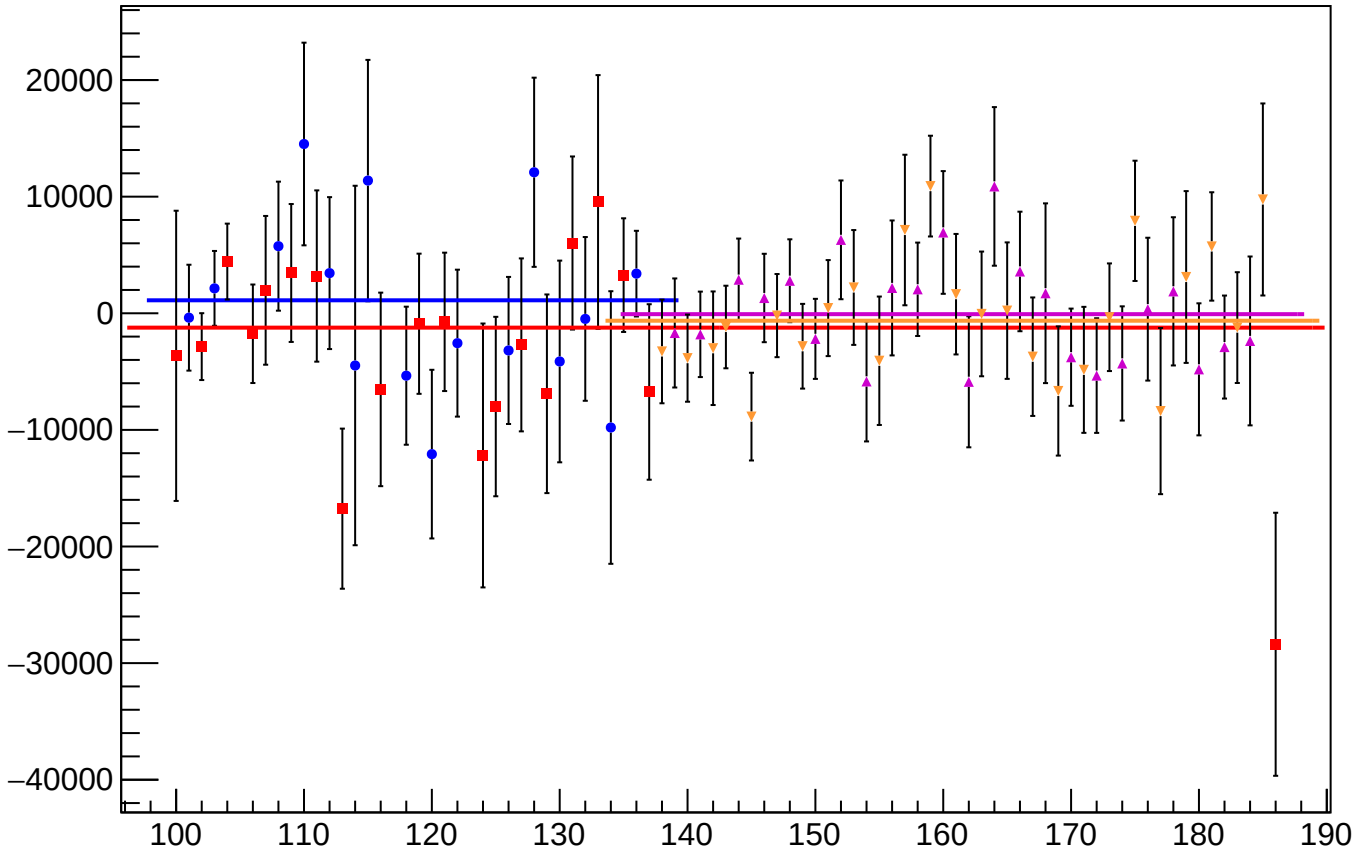
Right Out: 1882.983+/-0.484 χ^2/NDF: 214514.0/19

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1845.754+/-0.255 χ^2/NDF: 731170.2/40

All: 1843.551+/-0.180 χ^2/NDF: 969483.9/83

- sign 1841.328+/-0.256 χ^2/NDF: 238163.4/42



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -1231.717+/-1298.531 χ^2/NDF: 21.5/19

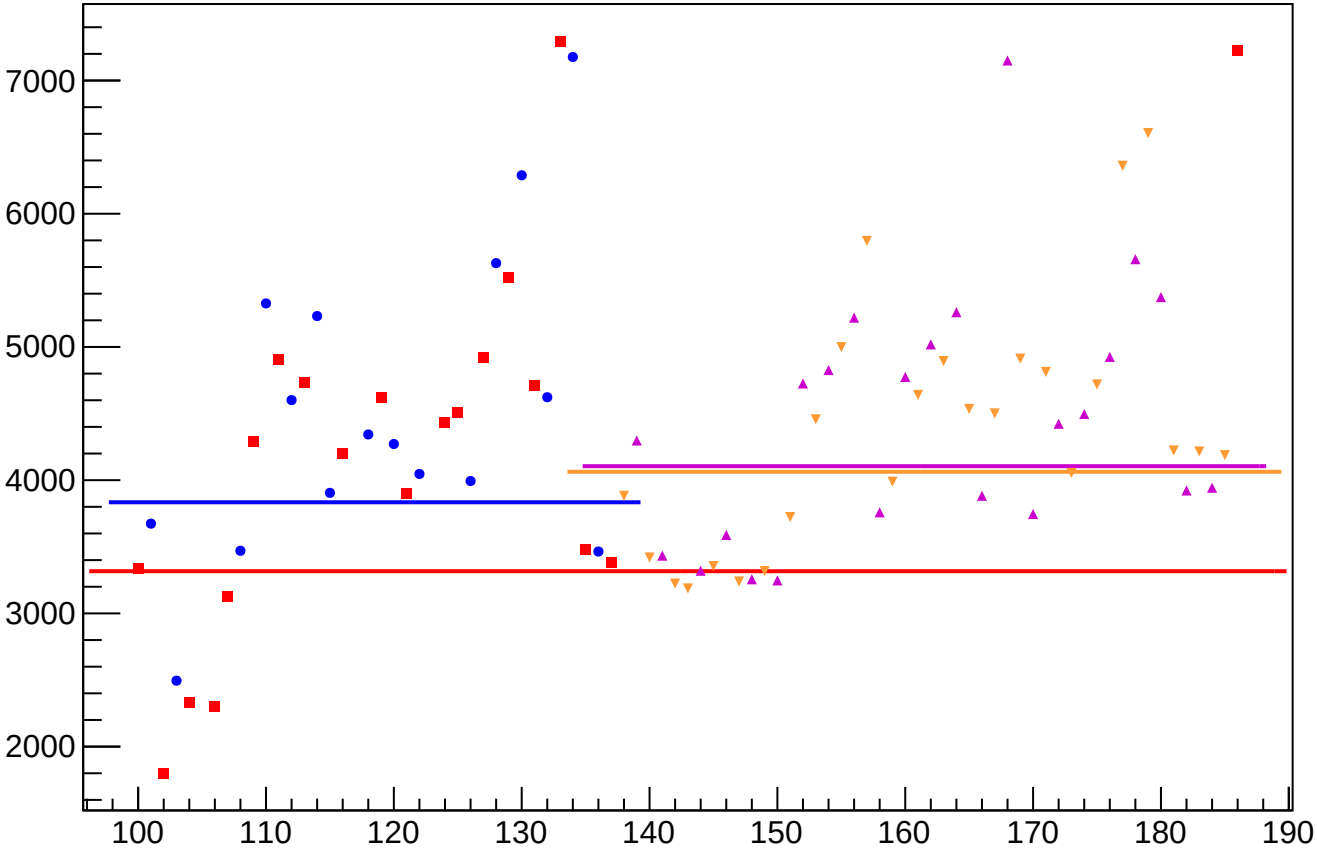
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

\+ sign -128.968+/-797.485 χ^2/NDF: 40.3/40

All: -315.679+/-558.481 χ^2/NDF: 77.9/83

\- sign -495.373+/-782.356 χ^2/NDF: 37.4/42

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3316.659+/-0.918 χ^2/NDF: 2108065.5/19

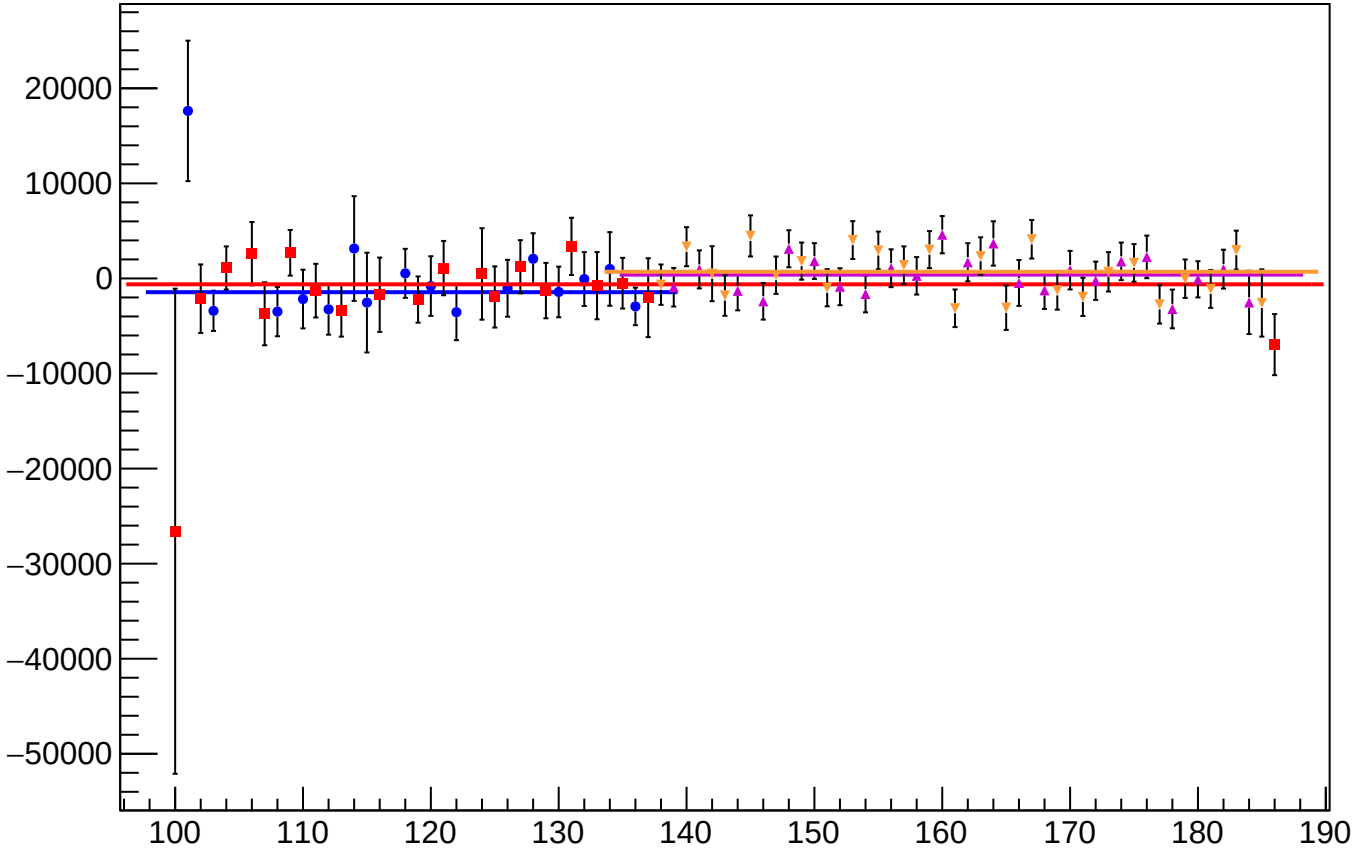
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 3996.568+/-0.564 χ^2/NDF: 2395795.2/40

All: 3906.018+/-0.395 χ^2/NDF: 6383586.2/83

- sign 3818.871+/-0.553 χ^2/NDF: 3937190.4/42

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -619.595+/-687.306 χ^2/NDF: 14.0/19

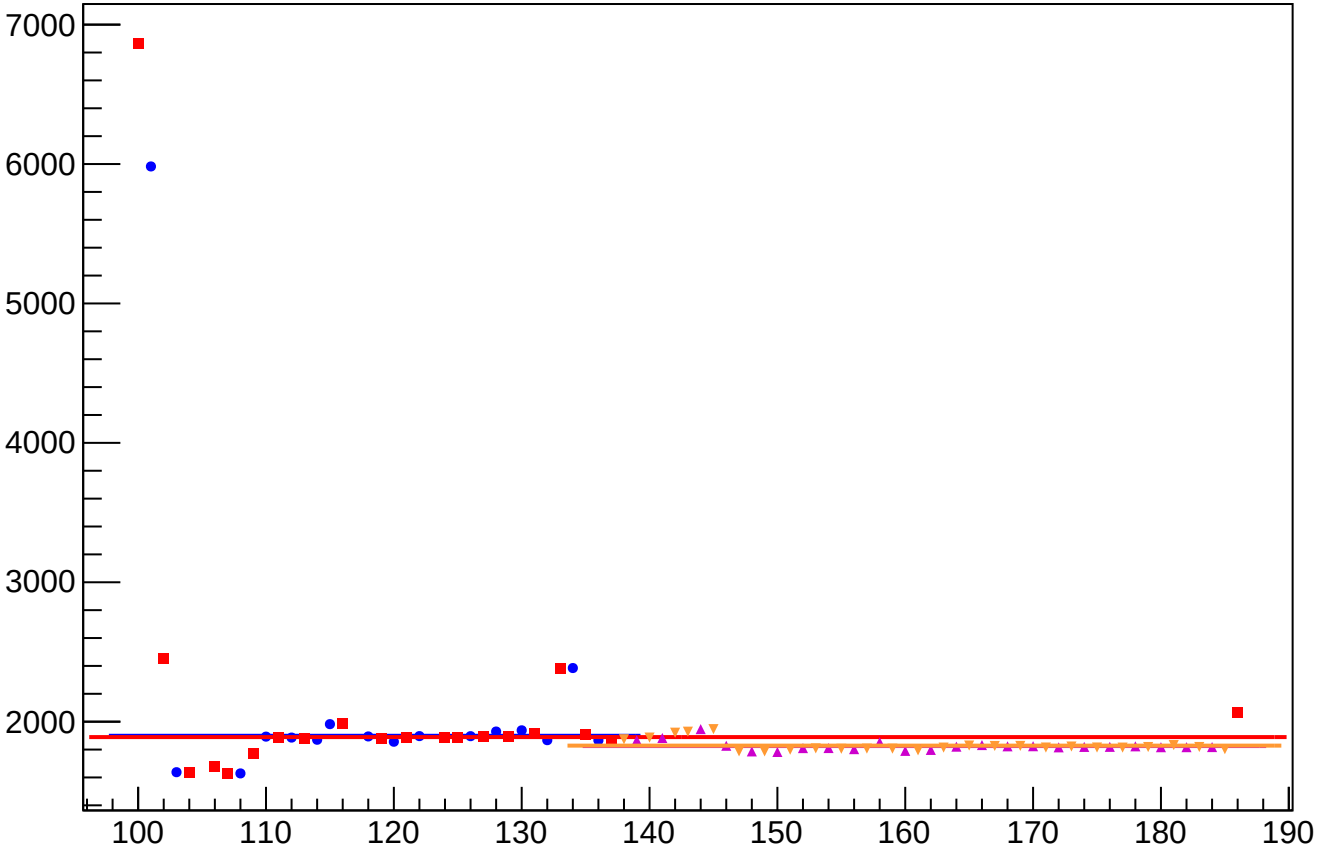
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 171.720+/-360.189 χ^2/NDF: 52.1/40

All: 145.491+/-255.408 χ^2/NDF: 88.4/83

- sign 118.965+/-362.221 χ^2/NDF: 36.3/42

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

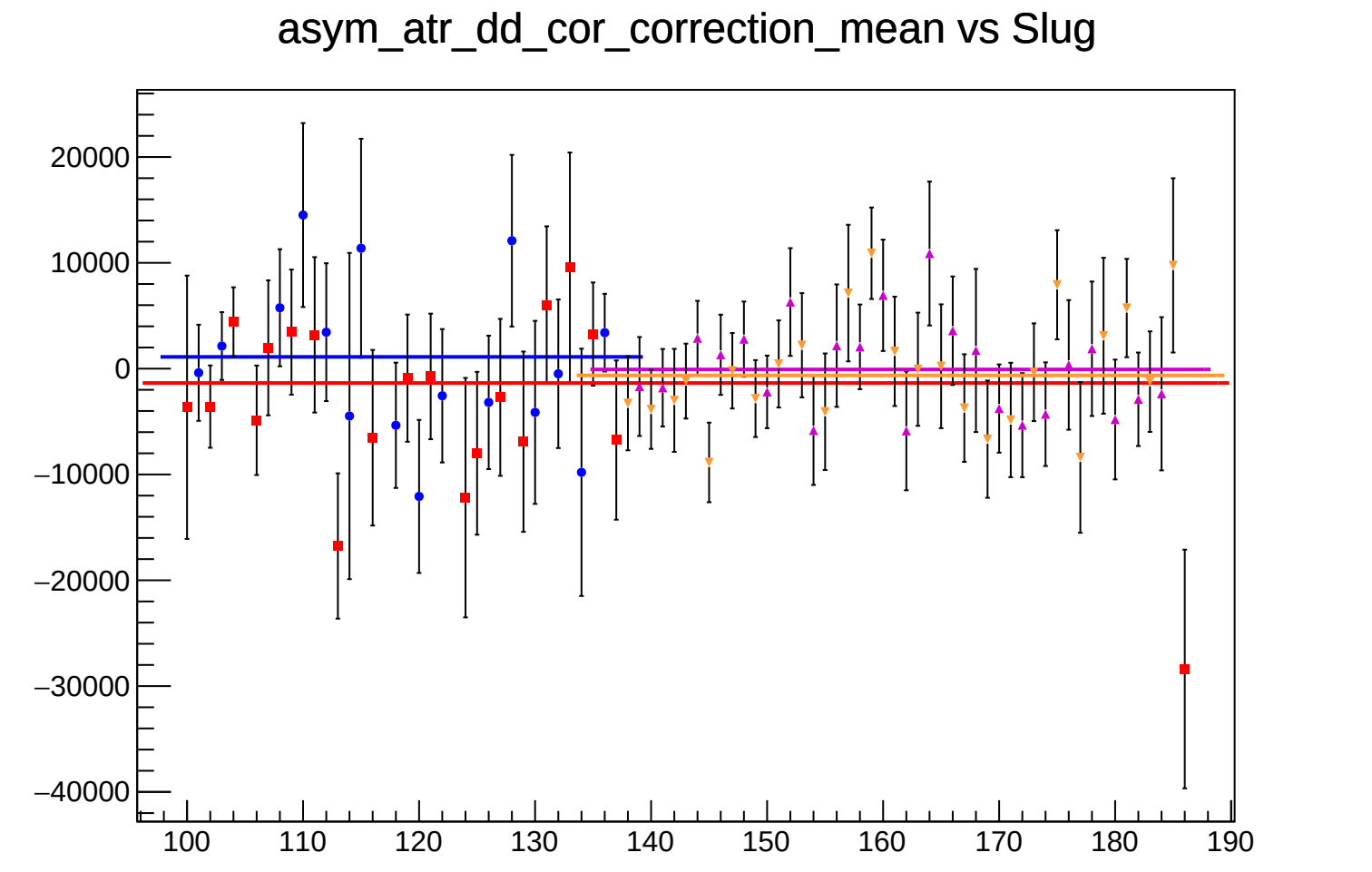
Right Out: 1889.483+/-0.485 χ^2/NDF: 222946.0/19

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

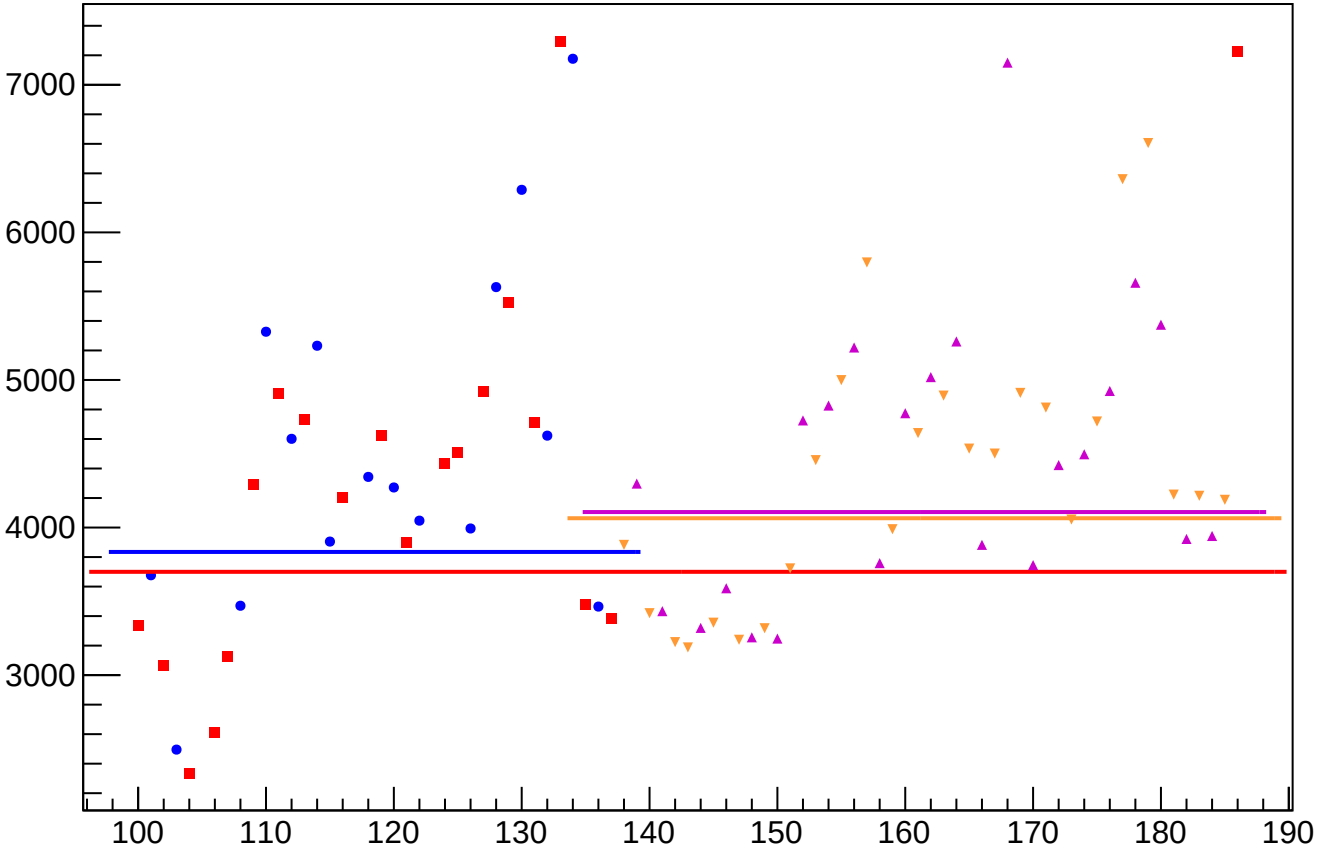
\+ sign 1845.754+/-0.255 χ^2/NDF: 731170.2/40

All: 1844.418+/-0.181 χ^2/NDF: 980209.1/83

\- 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: 1111.533+/-1479.438 χ²/NDF: 13.4/15
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 -129.404+/-797.512 χ²/NDF: 40.3/40
All: -314.870+/-565.072 χ²/NDF: 78.5/83
- sign -501.851+/-800.764 χ²/NDF: 38.0/42

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3699.978+/-0.982 χ^2/NDF: 1323744.8/19

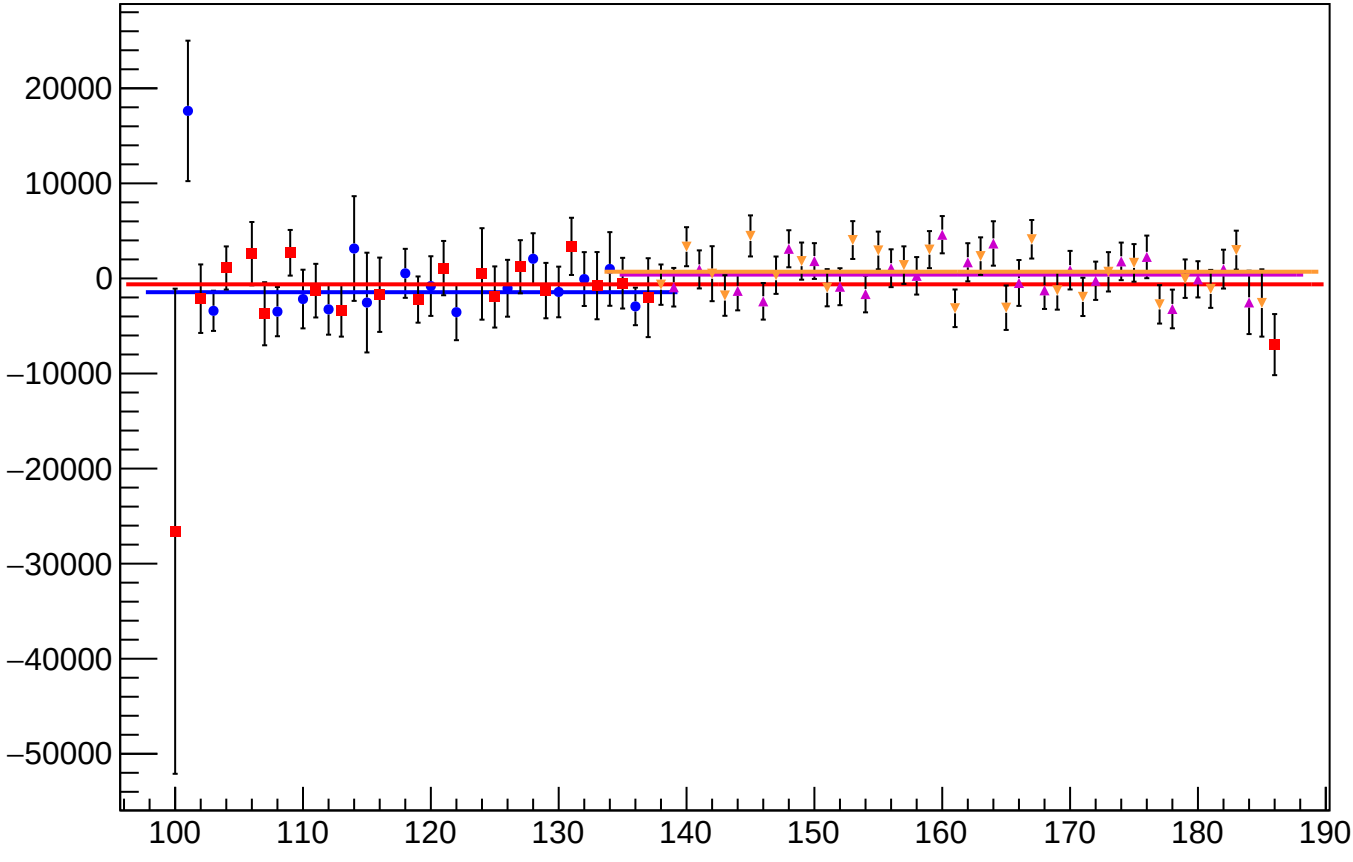
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 3996.730+/-0.564 χ^2/NDF: 2395163.7/40

All: 3983.567+/-0.400 χ^2/NDF: 5193119.9/83

- sign 3970.296+/-0.566 χ^2/NDF: 2796862.0/42

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -619.595+/-687.306 χ^2/NDF: 14.0/19

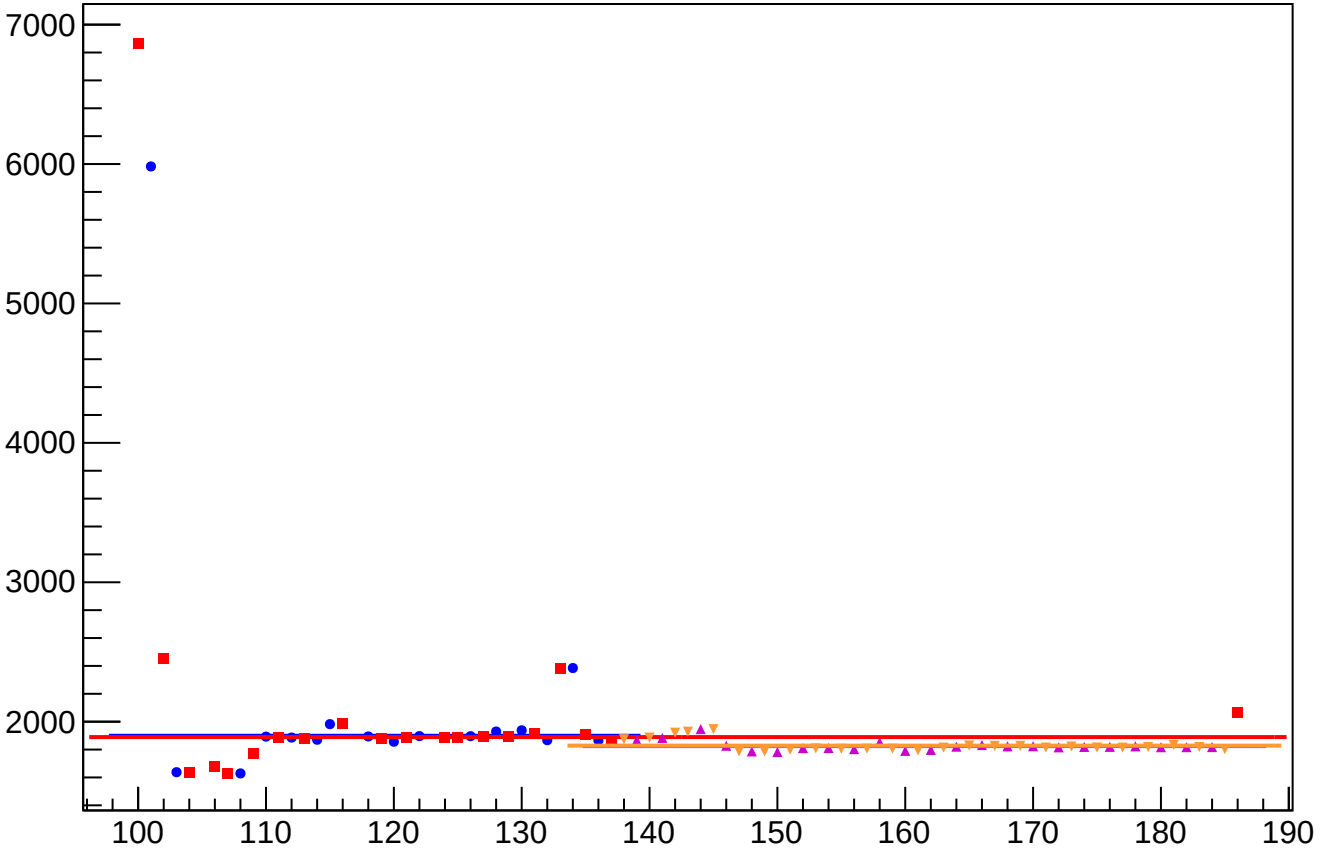
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 171.720+/-360.189 χ^2/NDF: 52.1/40

All: 145.491+/-255.408 χ^2/NDF: 88.4/83

- sign 118.965+/-362.221 χ^2/NDF: 36.3/42

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

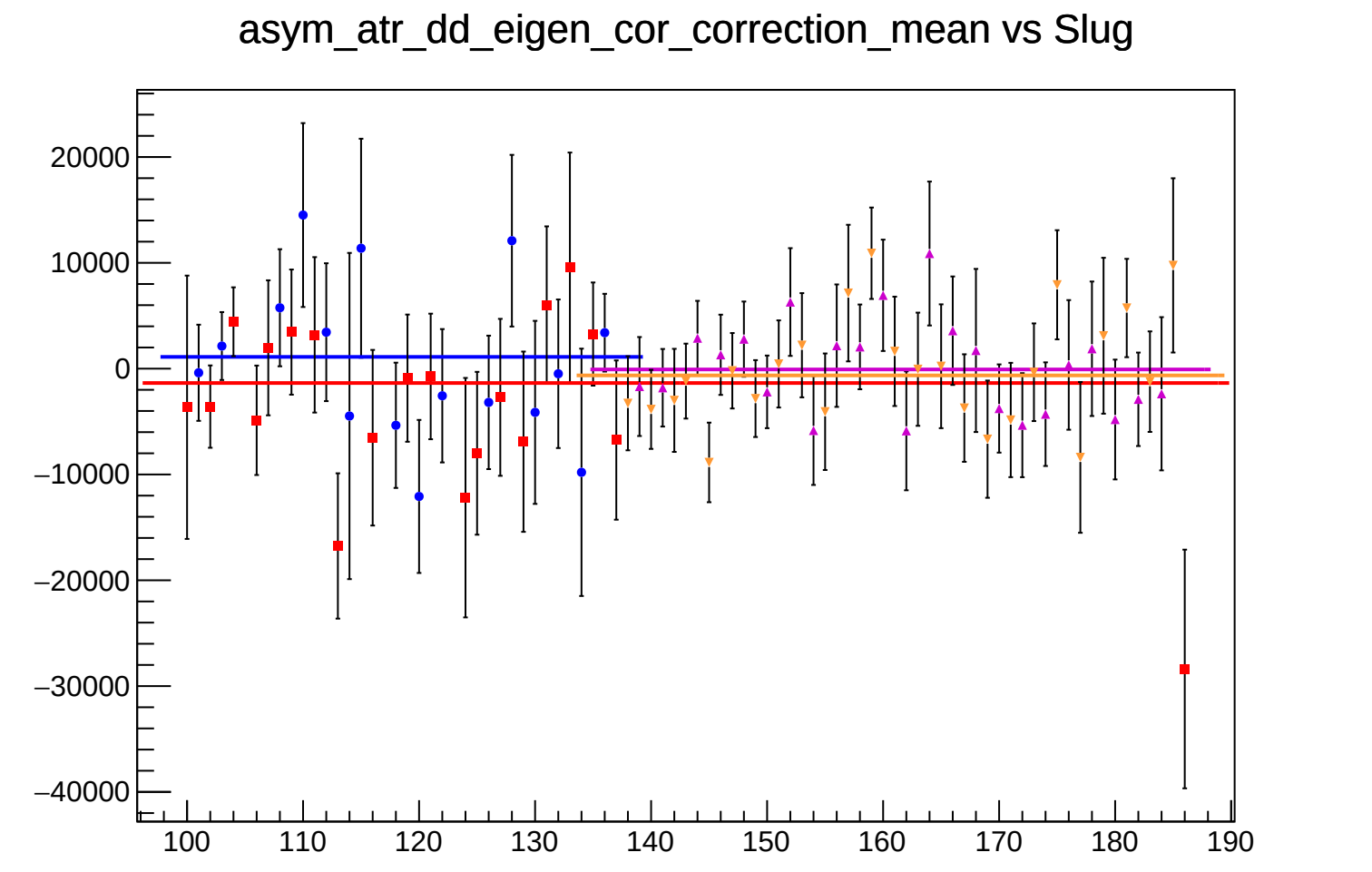
Right Out: 1889.483+/-0.485 χ^2/NDF: 222946.0/19

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

\+ sign 1845.754+/-0.255 χ^2/NDF: 731170.2/40

All: 1844.418+/-0.181 χ^2/NDF: 980209.1/83

\- sign 1843.067+/-0.256 χ^2/NDF: 248983.4/42



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

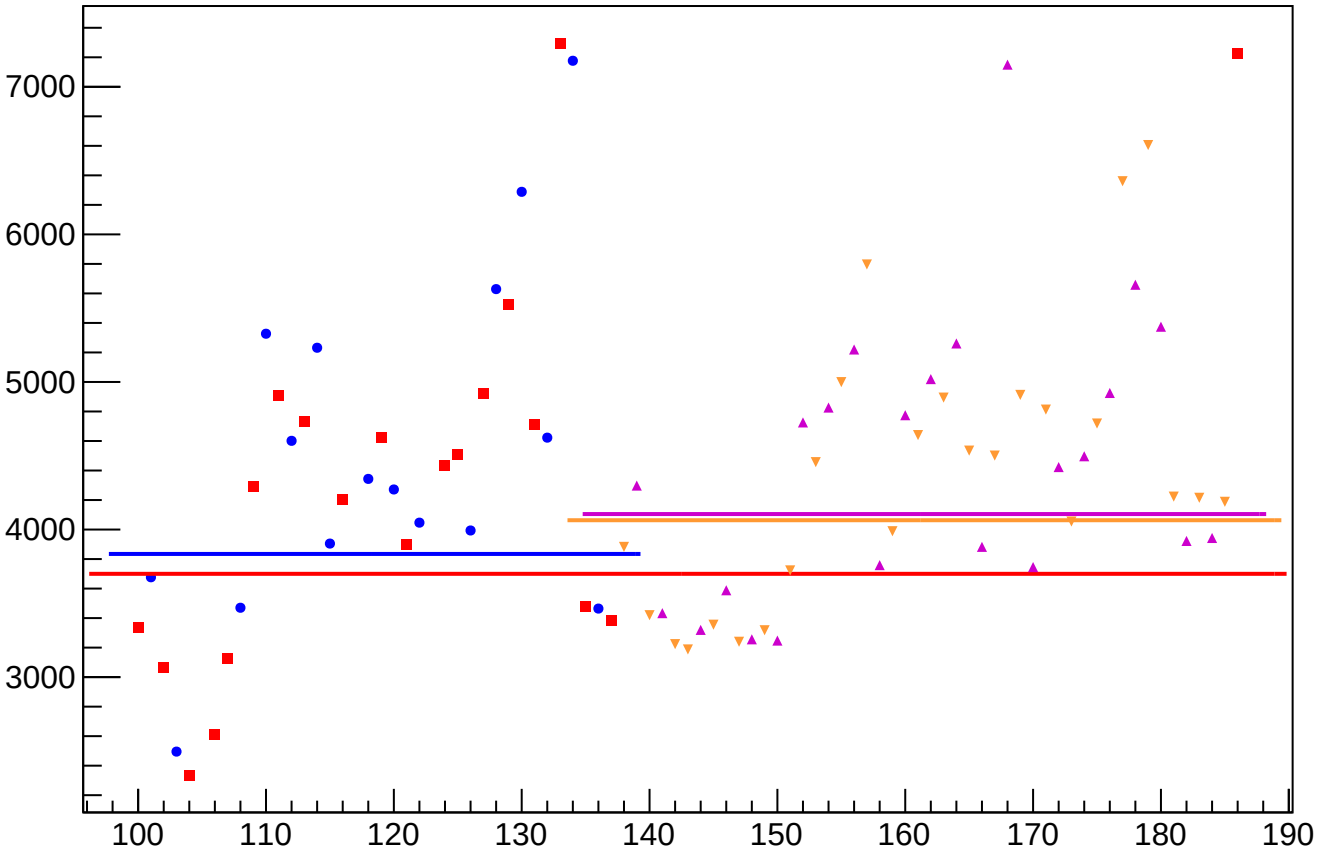
Right Out: -1356.537+/-1388.353 χ^2/NDF: 22.0/19

Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

\+ sign -129.404+/-797.512 χ^2/NDF: 40.3/40

All: -314.870+/-565.072 χ^2/NDF: 78.5/83

\- sign -501.851+/-800.764 χ^2/NDF: 38.0/42



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3699.978+/-0.982 χ^2/NDF: 1323744.8/19

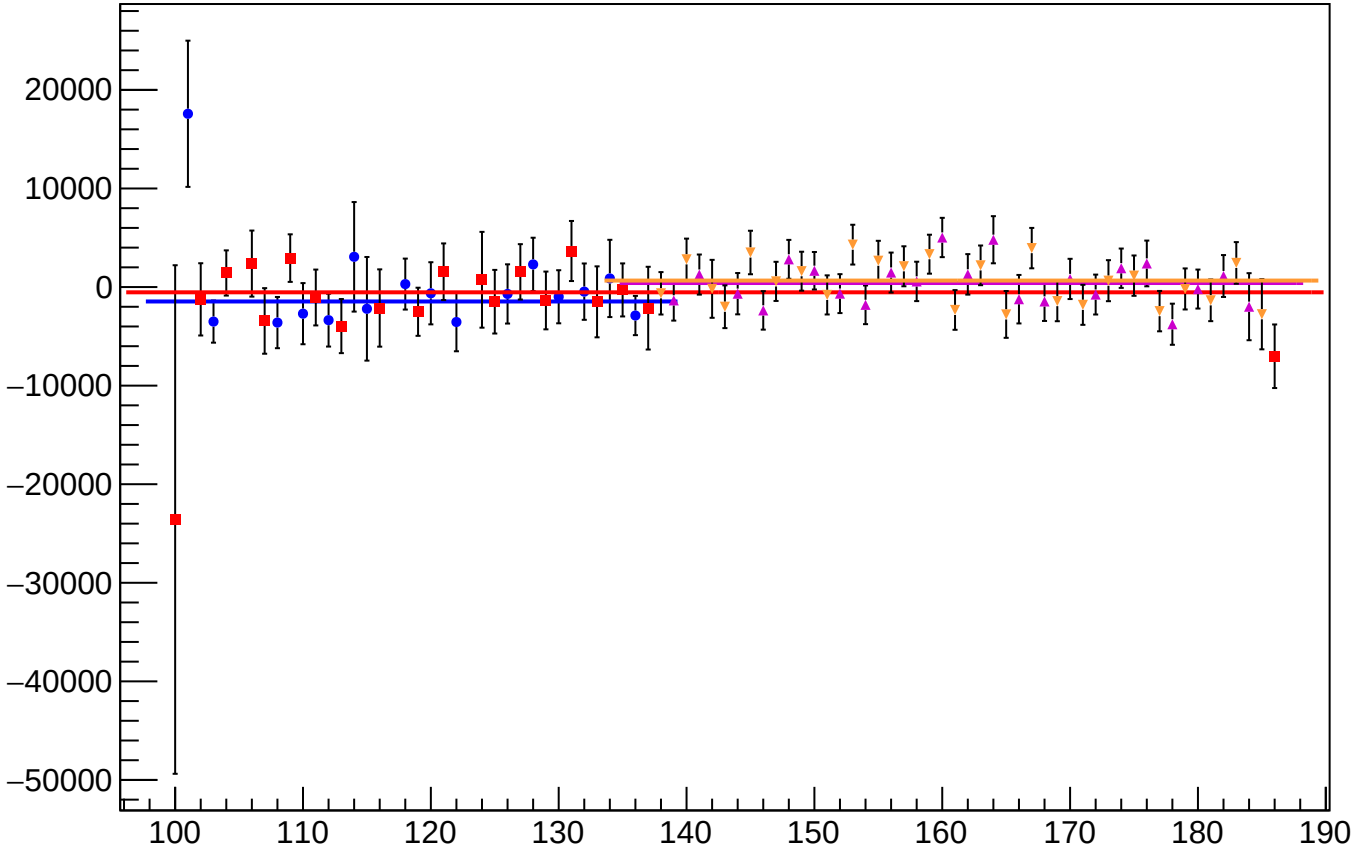
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 3996.730+/-0.564 χ^2/NDF: 2395163.7/40

All: 3983.567+/-0.400 χ^2/NDF: 5193119.9/83

- sign 3970.296+/-0.566 χ^2/NDF: 2796862.0/42

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -533.146+/-692.323 χ^2/NDF: 15.0/19

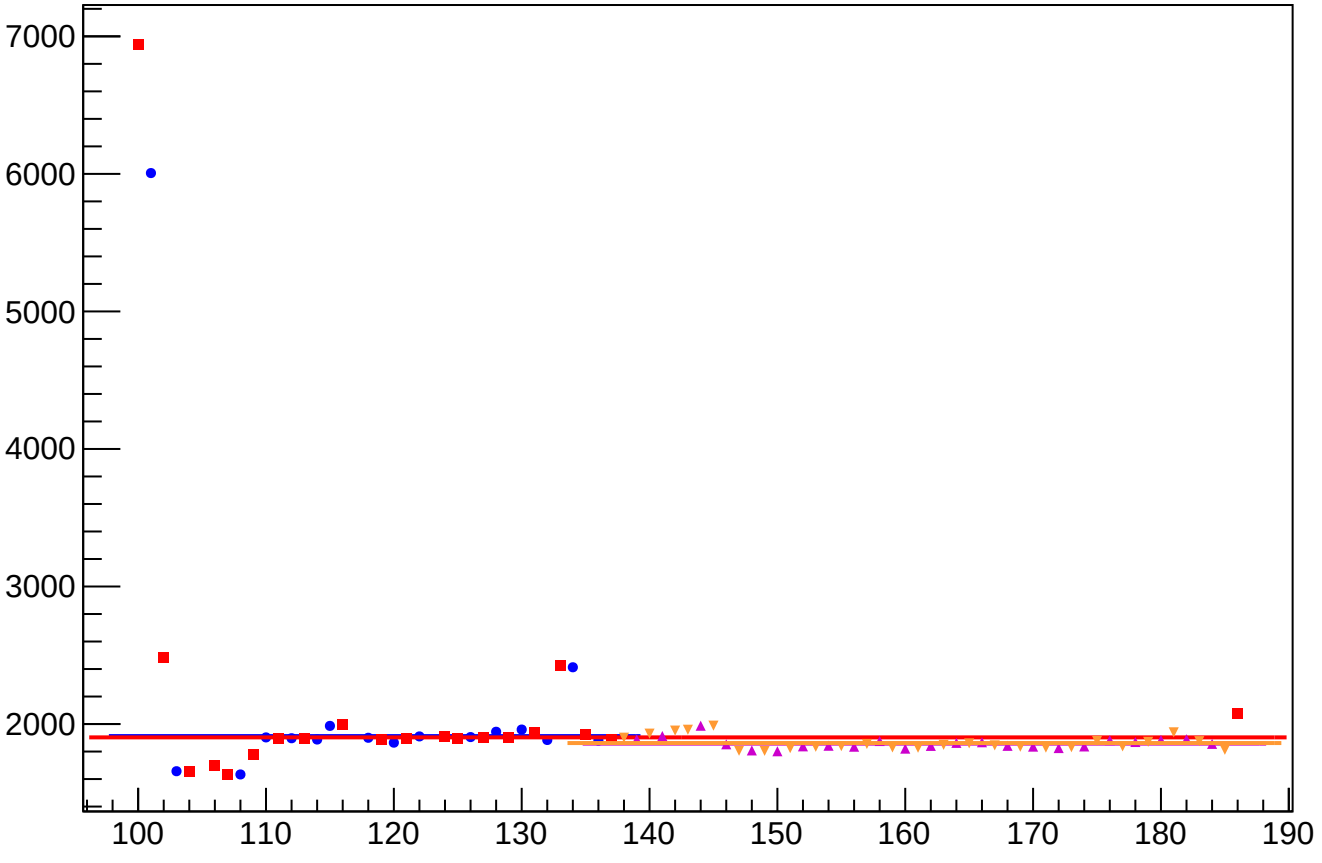
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 122.647+/-365.818 χ^2/NDF: 46.9/40

All: 133.609+/-259.312 χ^2/NDF: 87.0/83

- sign 144.679+/-367.633 χ^2/NDF: 40.0/42

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

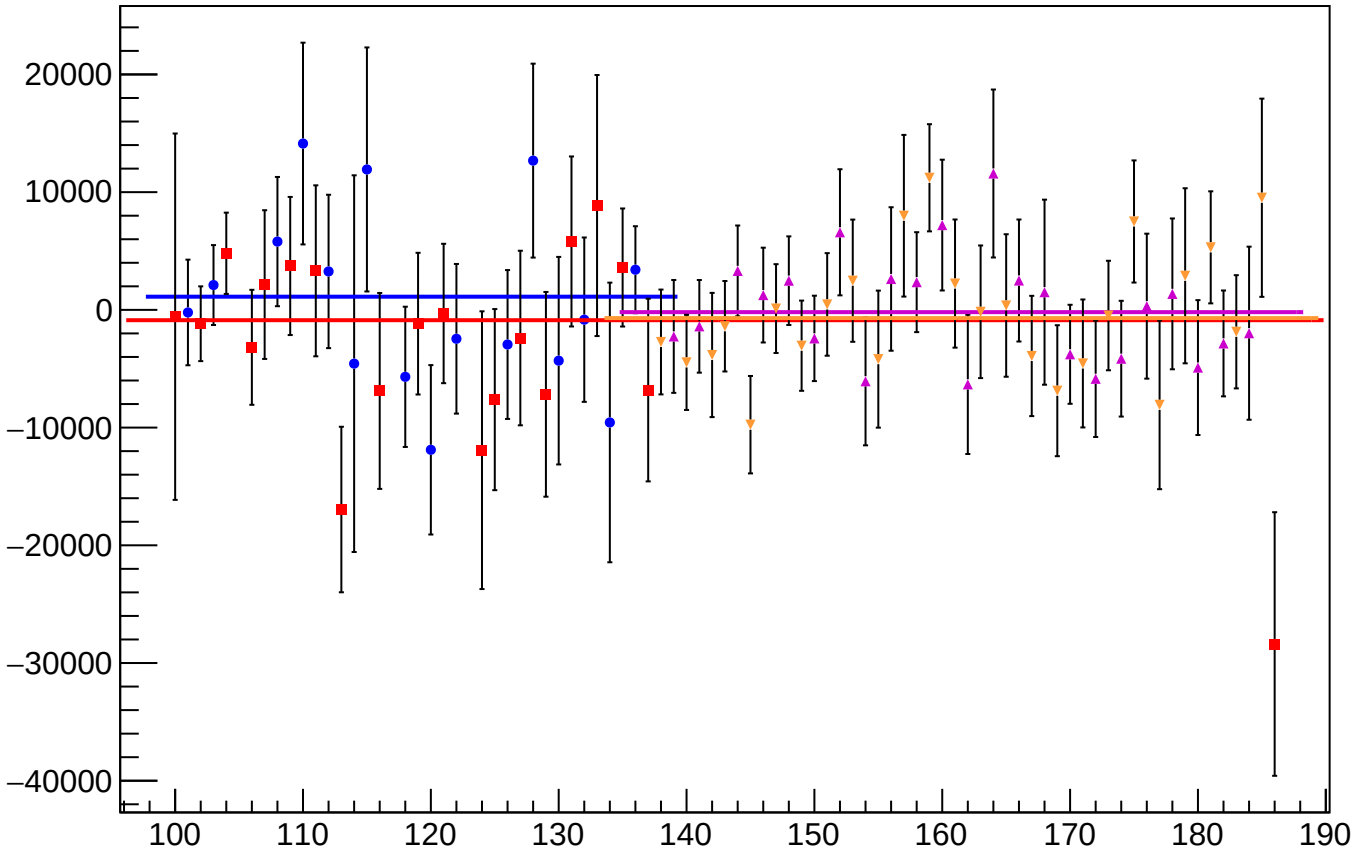
Right Out: 1903.033+/-0.489 χ^2/NDF: 225709.1/19

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1874.510+/-0.259 χ^2/NDF: 729467.5/40

All: 1872.501+/-0.183 χ^2/NDF: 977855.6/83

- sign 1870.473+/-0.260 χ^2/NDF: 248266.9/42



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -876.726+/-1360.657 χ^2/NDF: 21.1/19

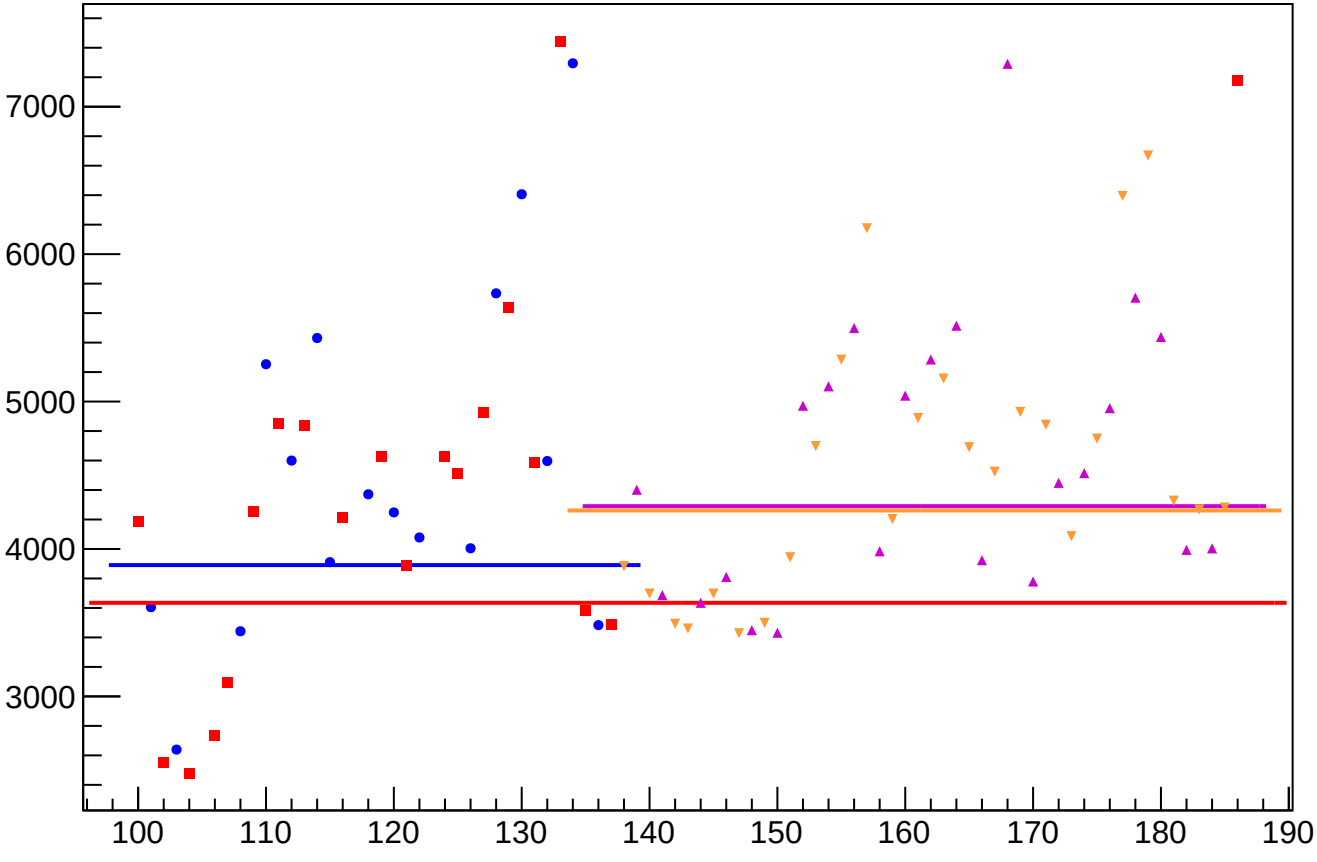
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

\+ sign -145.294+/-825.893 χ^2/NDF: 39.8/40

All: -293.878+/-580.971 χ^2/NDF: 76.3/83

\- sign -439.423+/-817.405 χ^2/NDF: 36.5/42

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 3634.853+/-0.962 χ^2/NDF: 1424839.1/19

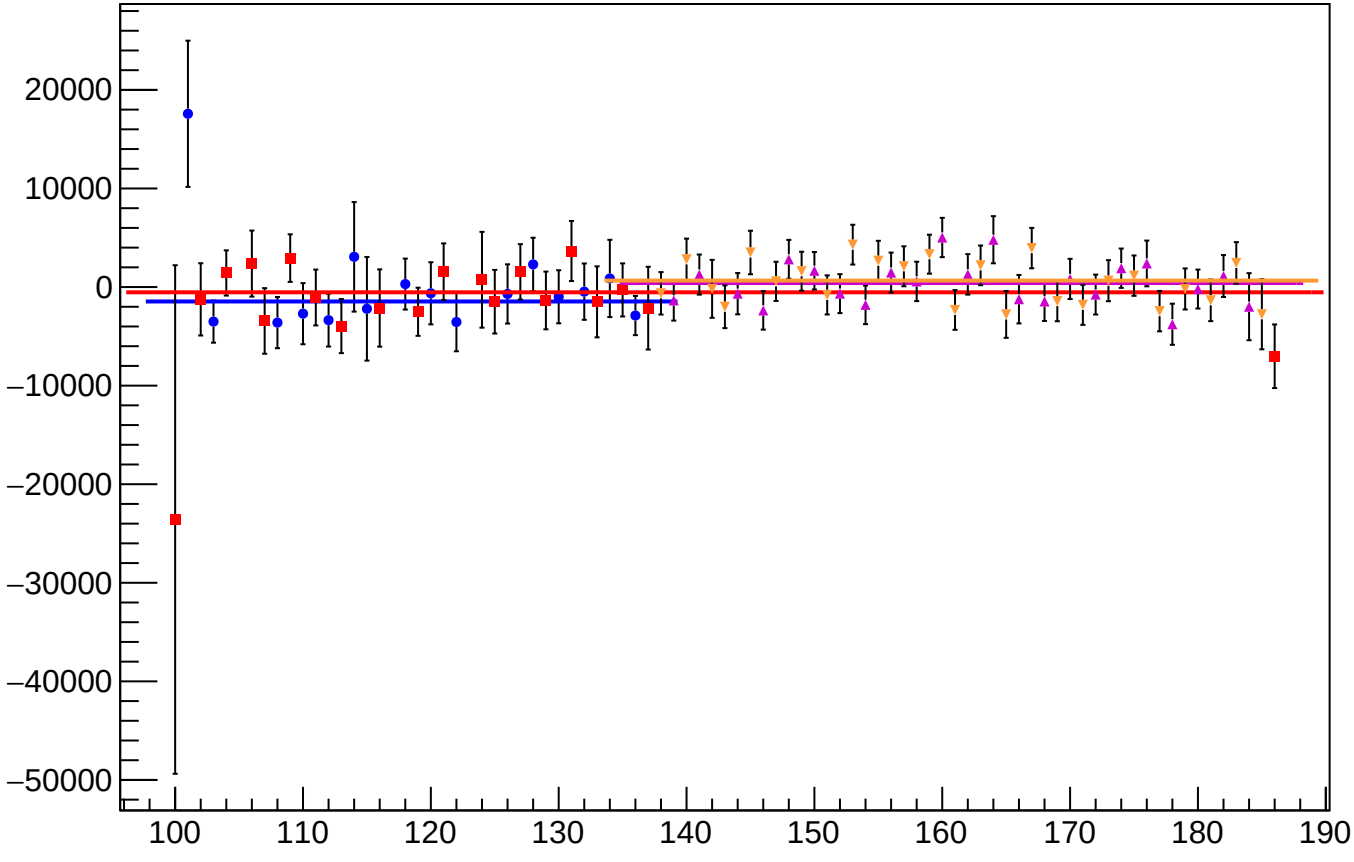
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4148.481+/-0.584 χ^2/NDF: 2154117.7/40

All: 4100.660+/-0.411 χ^2/NDF: 5102890.4/83

- sign 4053.817+/-0.578 χ^2/NDF: 2935499.4/42

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -533.135+/-692.323 χ^2/NDF: 15.0/19

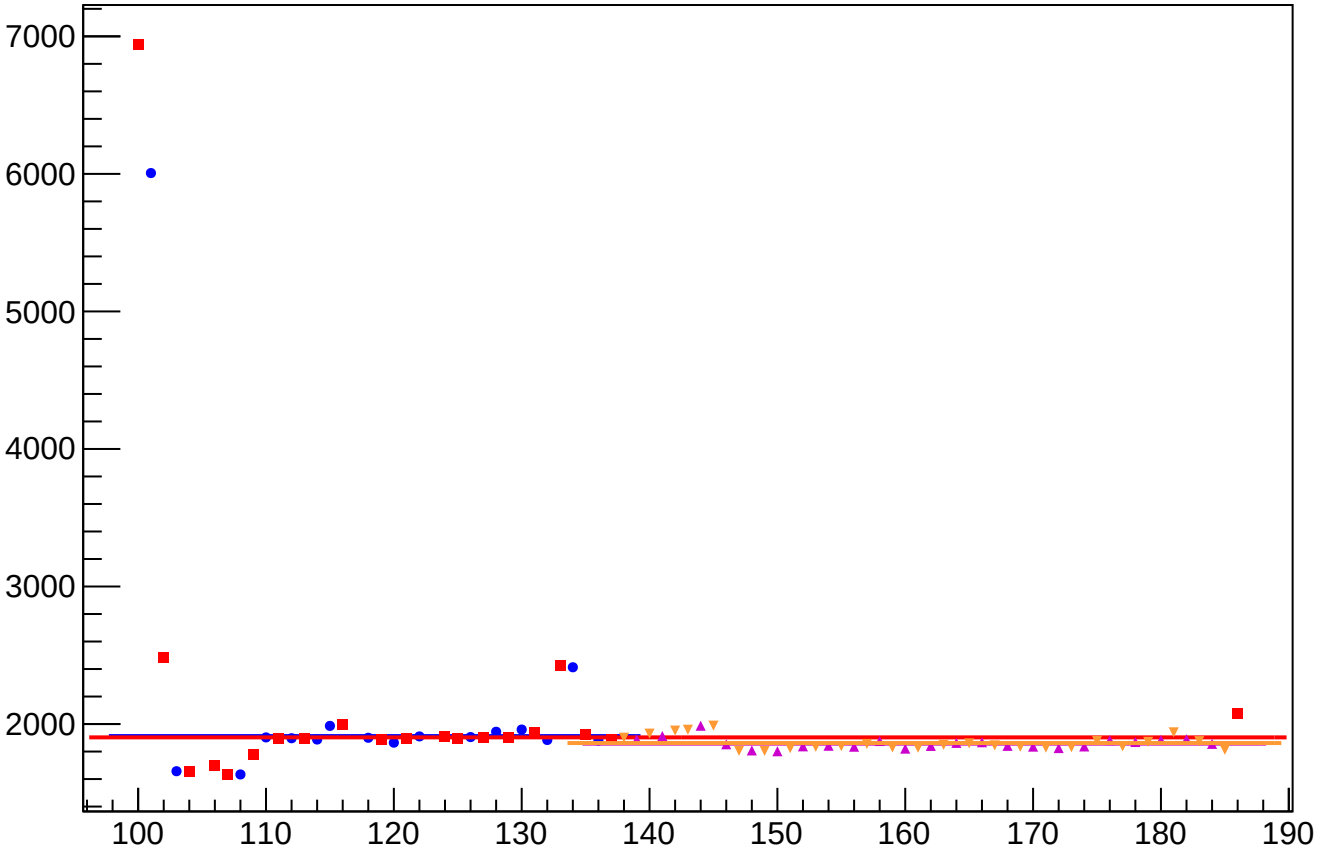
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 122.650+/-365.818 χ^2/NDF: 46.9/40

All: 133.611+/-259.312 χ^2/NDF: 87.0/83

- sign 144.682+/-367.633 χ^2/NDF: 40.0/42

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

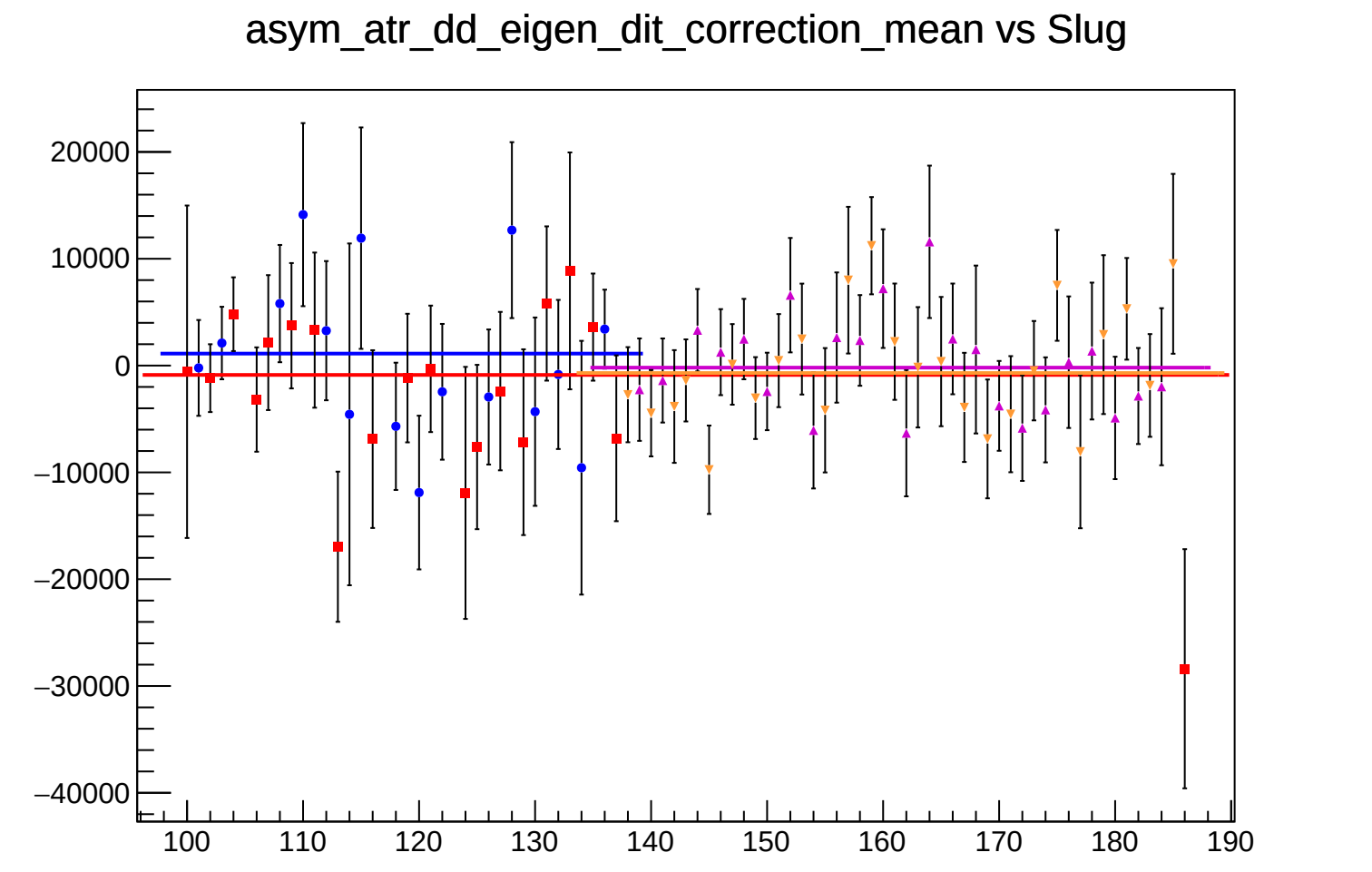
Right Out: 1903.033+/-0.489 χ^2/NDF: 225709.2/19

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1874.510+/-0.259 χ^2/NDF: 729467.2/40

All: 1872.501+/-0.183 χ^2/NDF: 977855.1/83

- sign 1870.474+/-0.260 χ^2/NDF: 248266.7/42



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -876.726+/-1360.656 χ^2/NDF: 21.1/19

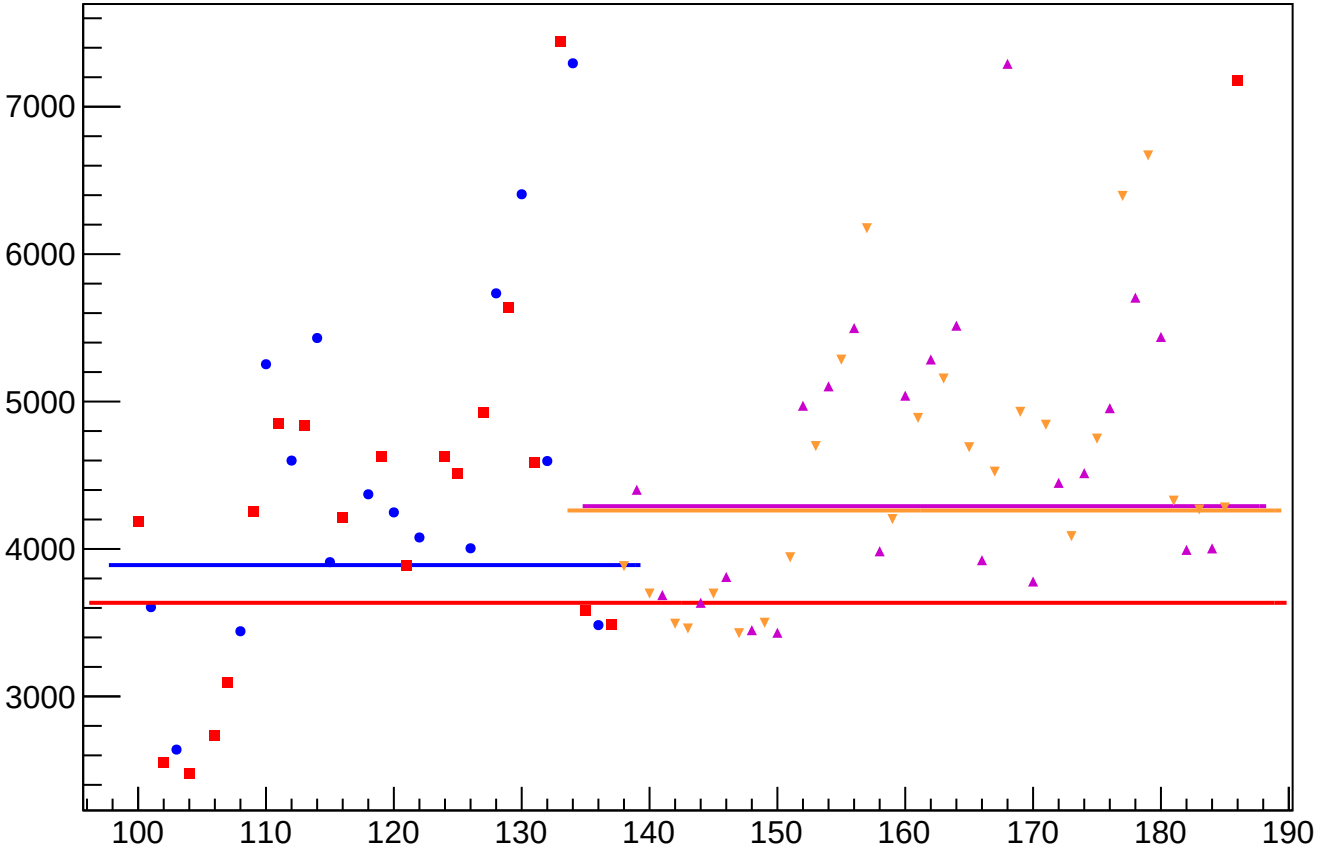
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -145.295+/-825.894 χ^2/NDF: 39.8/40

All: -293.879+/-580.971 χ^2/NDF: 76.3/83

- sign -439.425+/-817.406 χ^2/NDF: 36.5/42

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

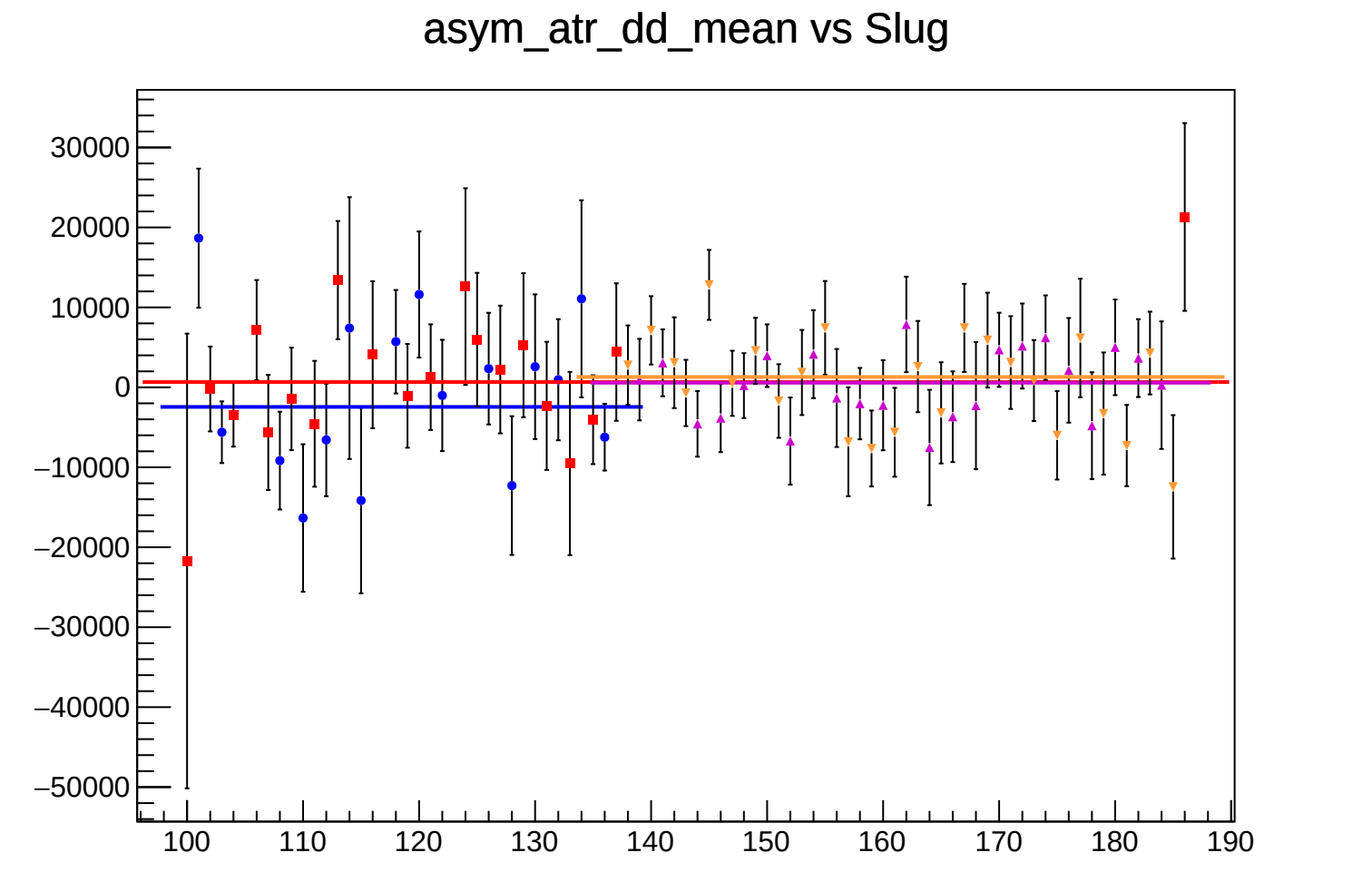
Right Out: 3634.850+/-0.962 χ^2/NDF: 1424829.7/19

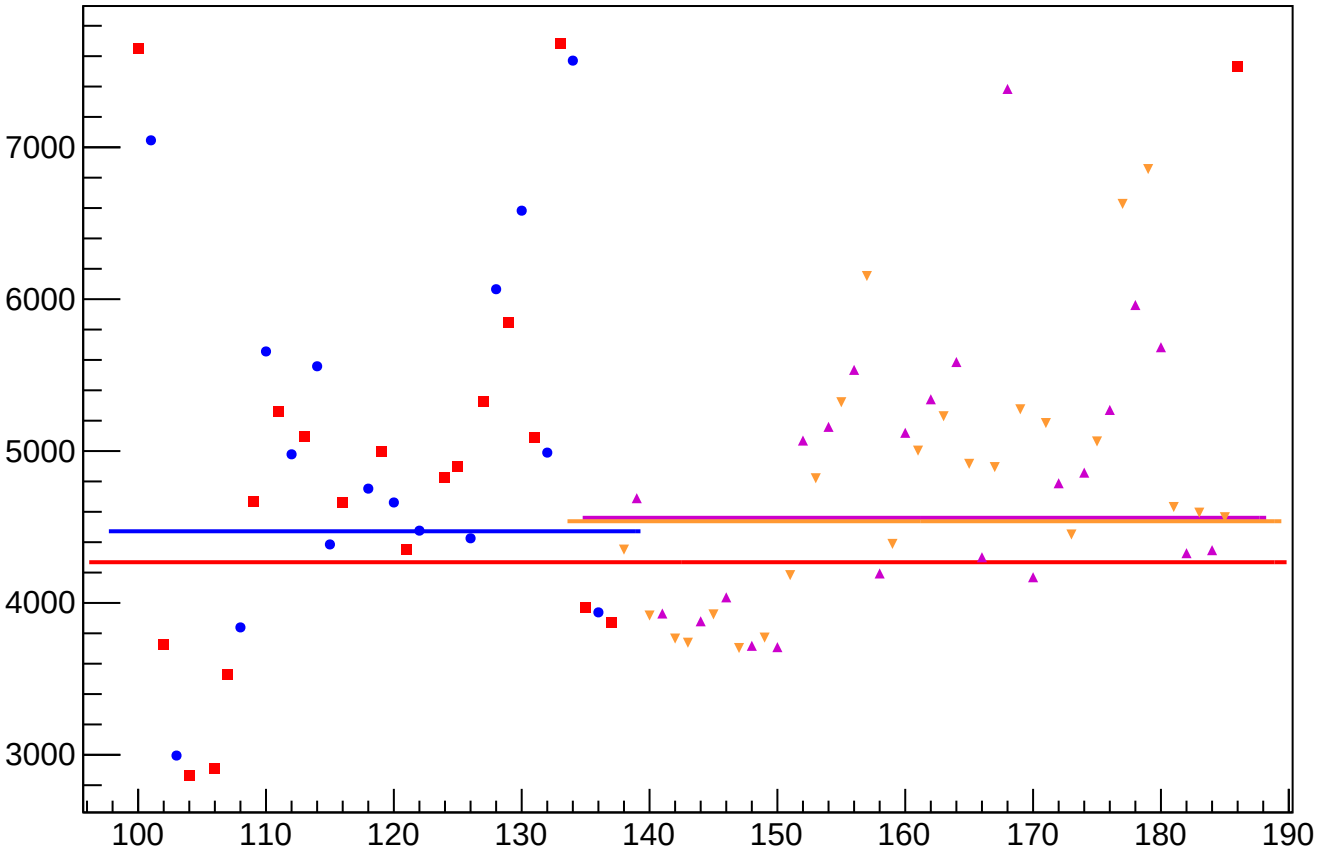
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4148.484+/-0.584 χ^2/NDF: 2154115.9/40

All: 4100.663+/-0.411 χ^2/NDF: 5102894.1/83

- 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: -2448.262+/-1719.694 χ²/NDF: 20.9/15
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 281.558+/-895.883 χ²/NDF: 52.8/40
All: 441.745+/-634.107 χ²/NDF: 81.1/83
- sign 602.563+/-897.644 χ²/NDF: 28.3/42



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

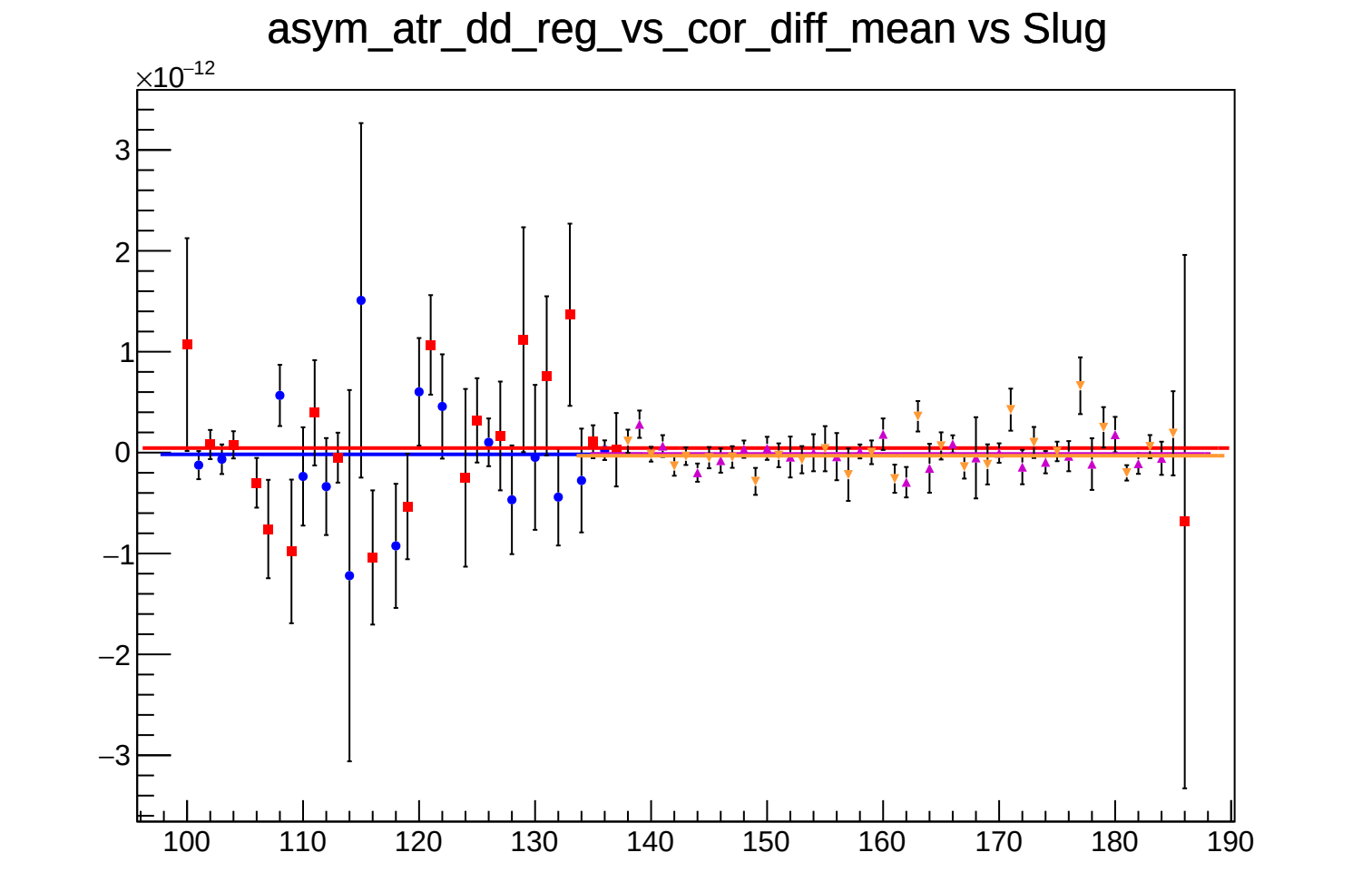
Right Out: 4268.178+/-1.127 χ^2/NDF: 1003721.5/19

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4520.014+/-0.633 χ^2/NDF: 1886732.1/40

All: 4494.151+/-0.448 χ^2/NDF: 3920014.6/83

- sign 4468.317+/-0.633 χ^2/NDF: 2029950.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/19

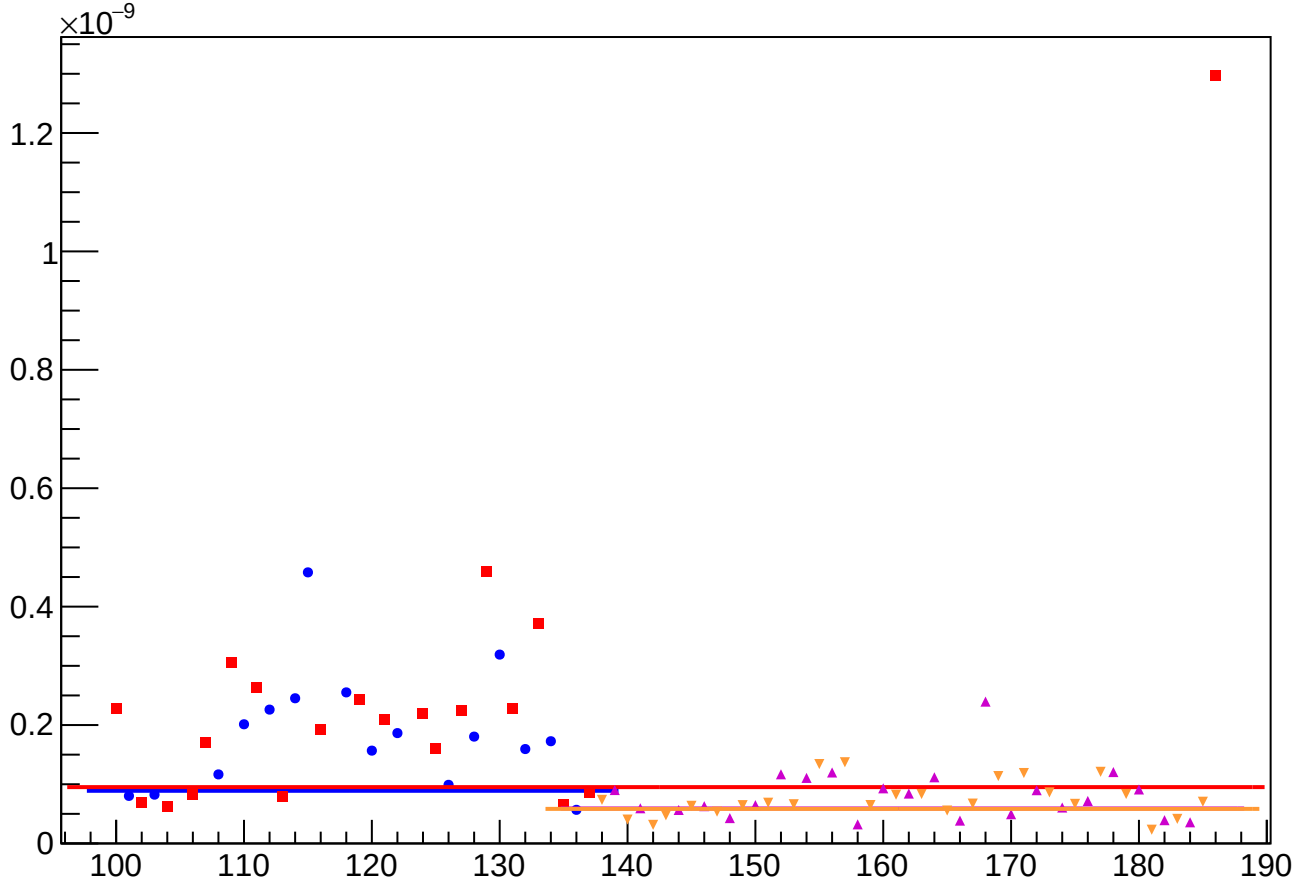
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.7/40

All: -0.000+/-0.000 χ^2/NDF: 93.7/83

- sign -0.000+/-0.000 χ^2/NDF: 42.6/42

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2108316.6/19

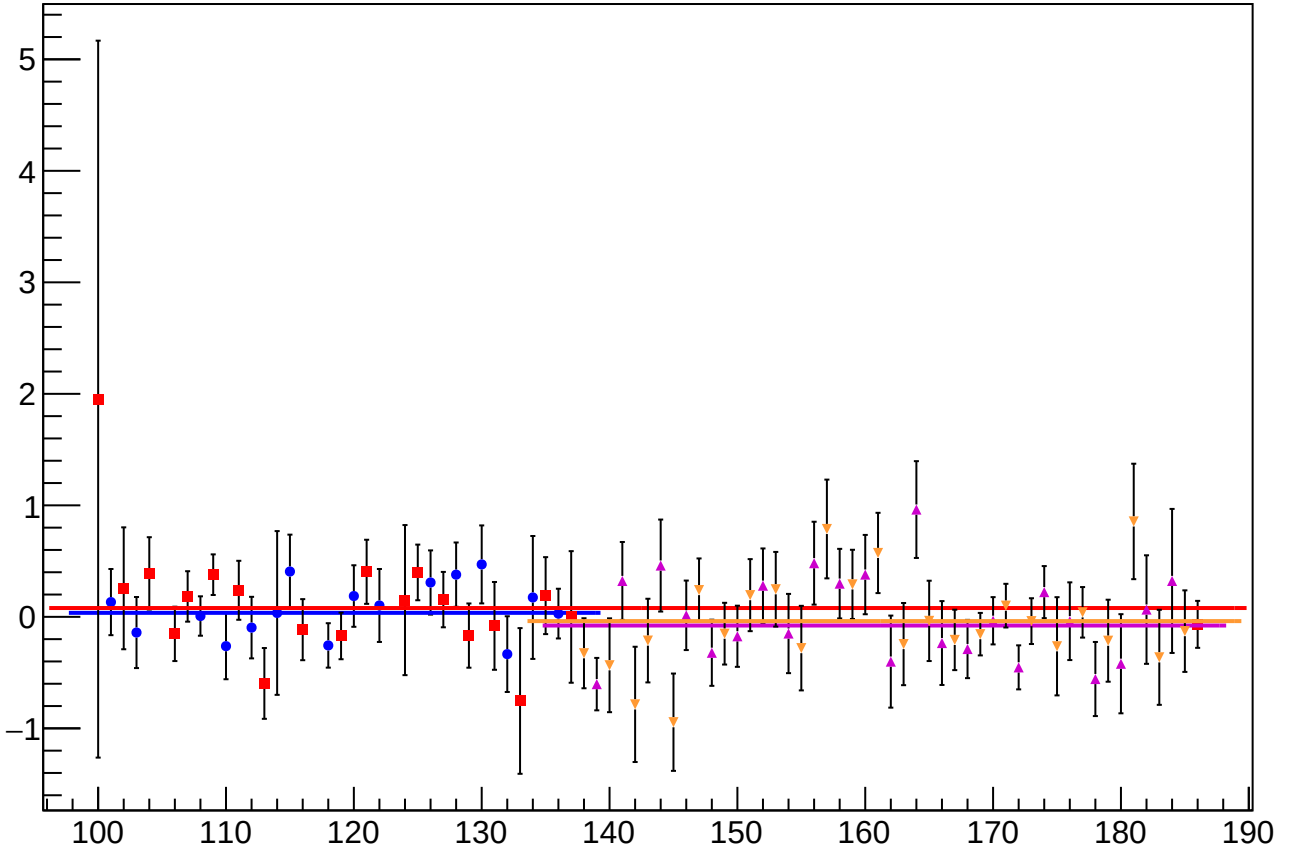
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3591627.2/40

All: 0.000+/-0.000 χ^2/NDF: 8297990.5/83

- sign 0.000+/-0.000 χ^2/NDF: 4704430.6/42

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

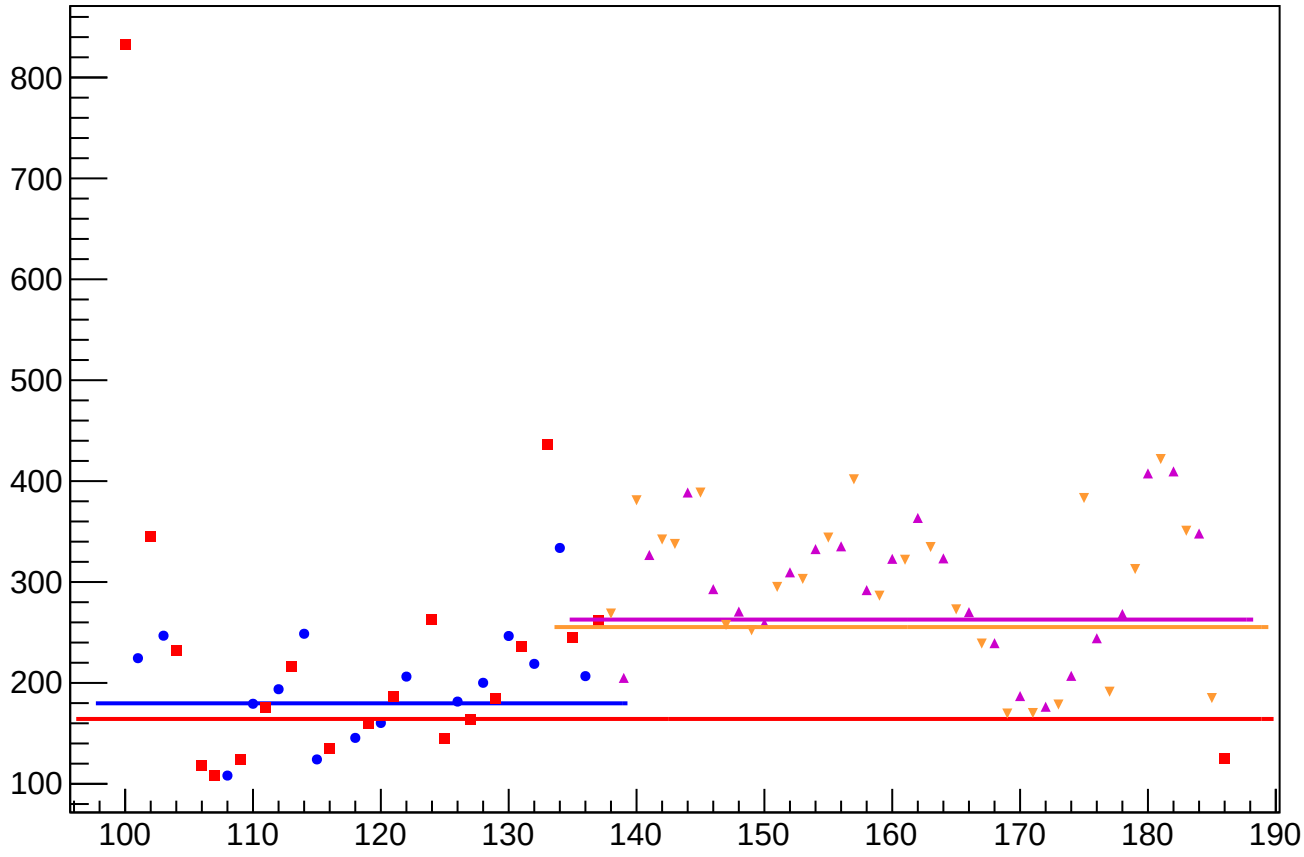
Right Out: 0.079+/-0.064 χ^2/NDF: 18.2/19

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.006+/-0.047 χ^2/NDF: 35.6/40

All: -0.002+/-0.033 χ^2/NDF: 87.8/83

- sign 0.001+/-0.046 χ^2/NDF: 52.2/42



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 164.300+/-0.046 χ^2/NDF: 1485397.4/19

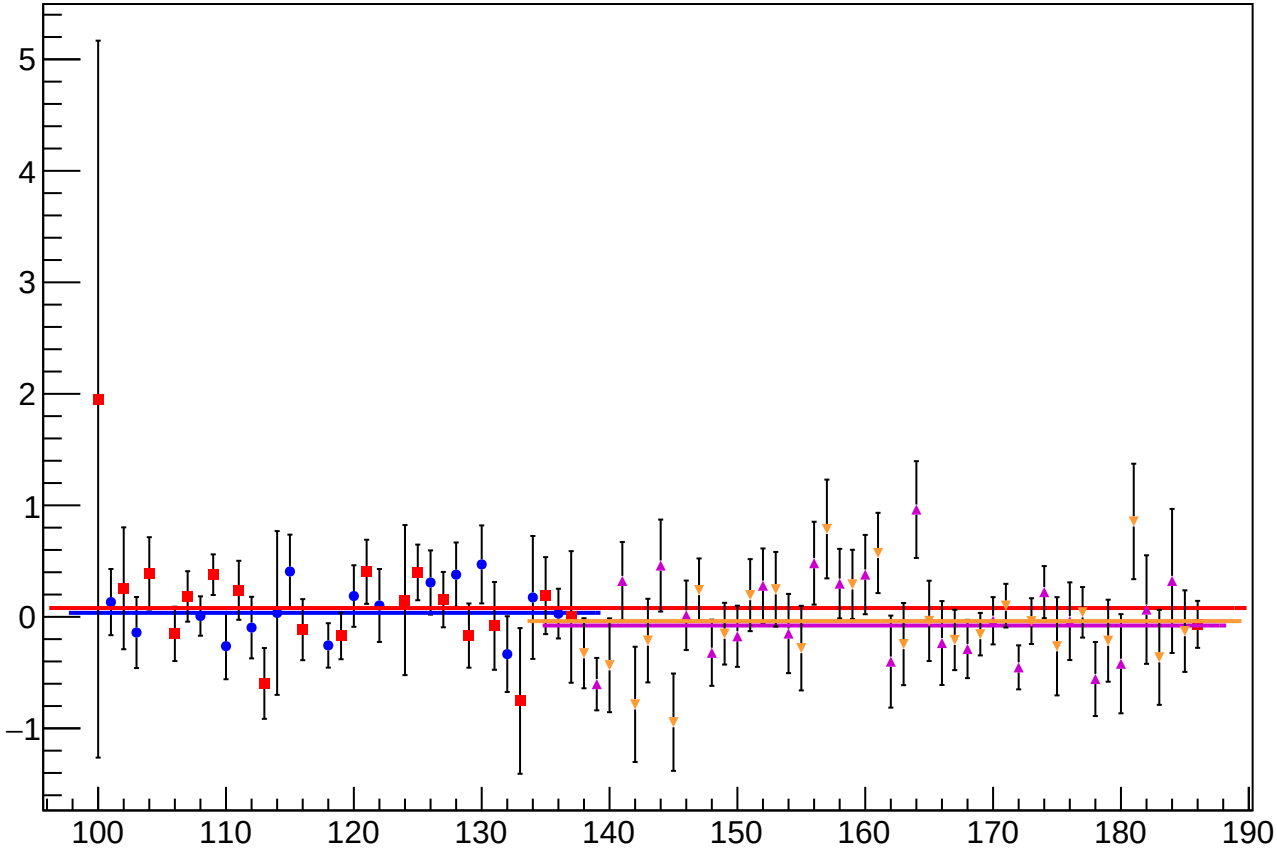
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 222.491+/-0.033 χ^2/NDF: 5149081.8/40

All: 217.746+/-0.023 χ^2/NDF: 11022043.3/83

- sign 213.171+/-0.032 χ^2/NDF: 5832140.5/42

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.079+/-0.064 χ^2/NDF: 18.2/19

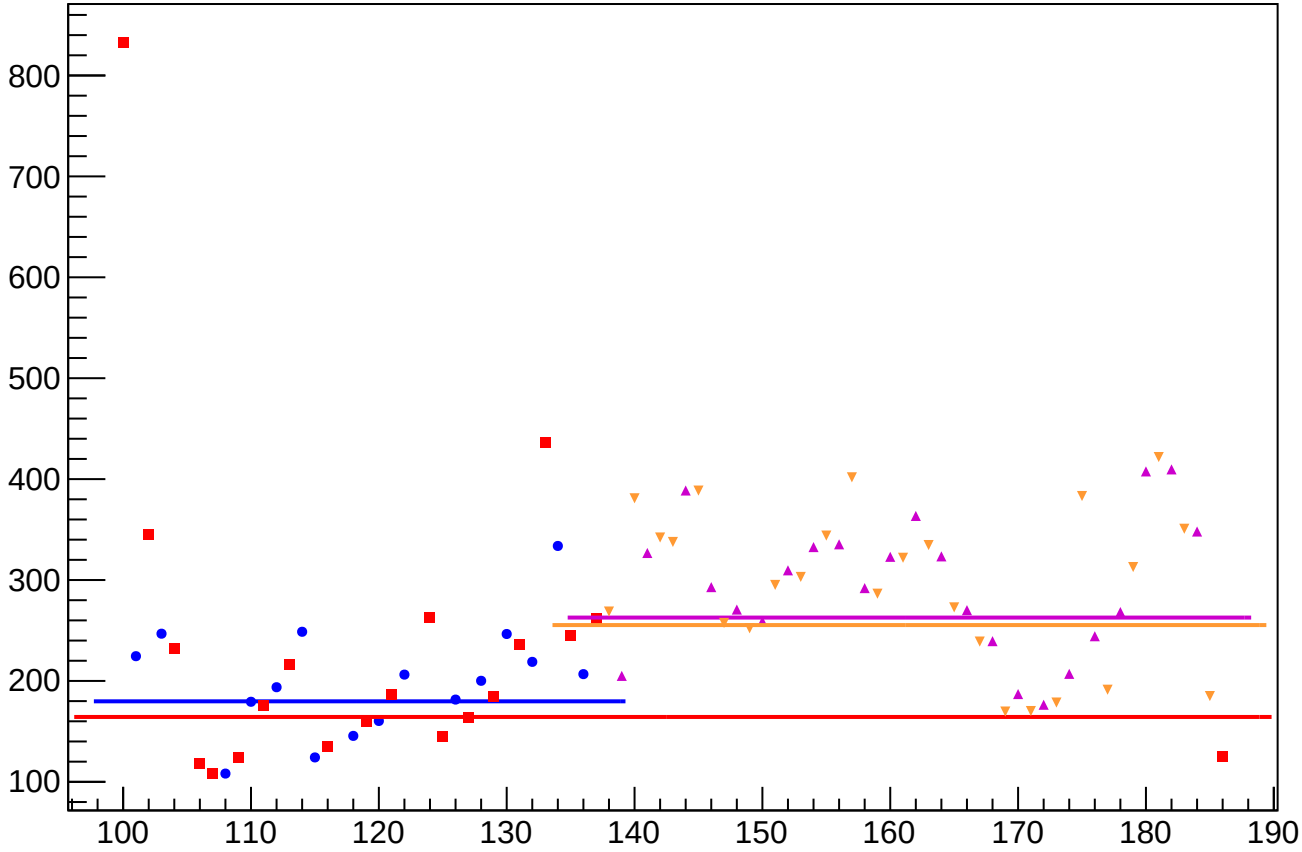
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.006+/-0.047 χ^2/NDF: 35.6/40

All: -0.002+/-0.033 χ^2/NDF: 87.8/83

- sign 0.001+/-0.046 χ^2/NDF: 52.2/42

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 164.300+/-0.046 χ^2/NDF: 1485397.4/19

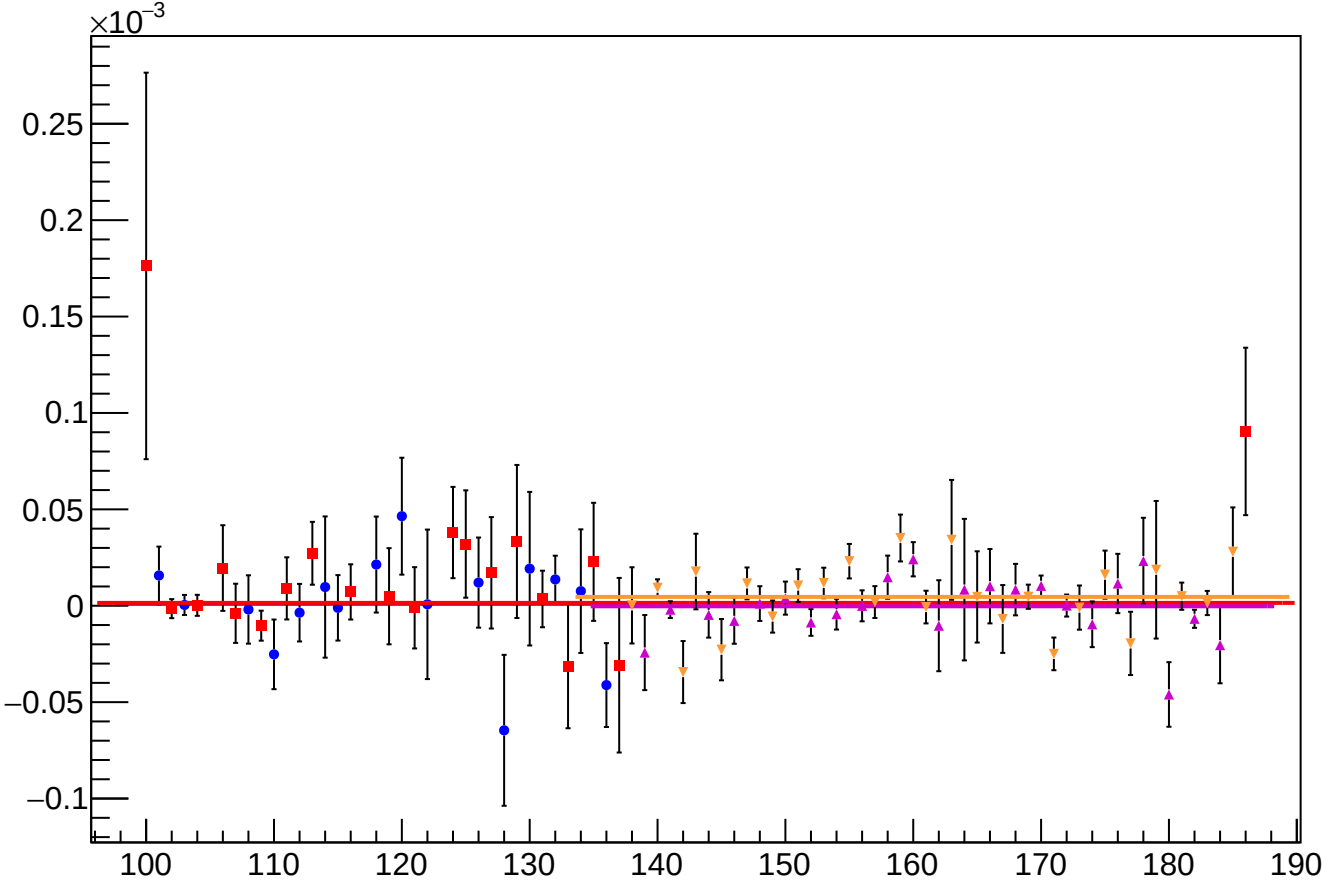
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 222.491+/-0.033 χ^2/NDF: 5149081.8/40

All: 217.746+/-0.023 χ^2/NDF: 11022043.3/83

- sign 213.171+/-0.032 χ^2/NDF: 5832140.5/42

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

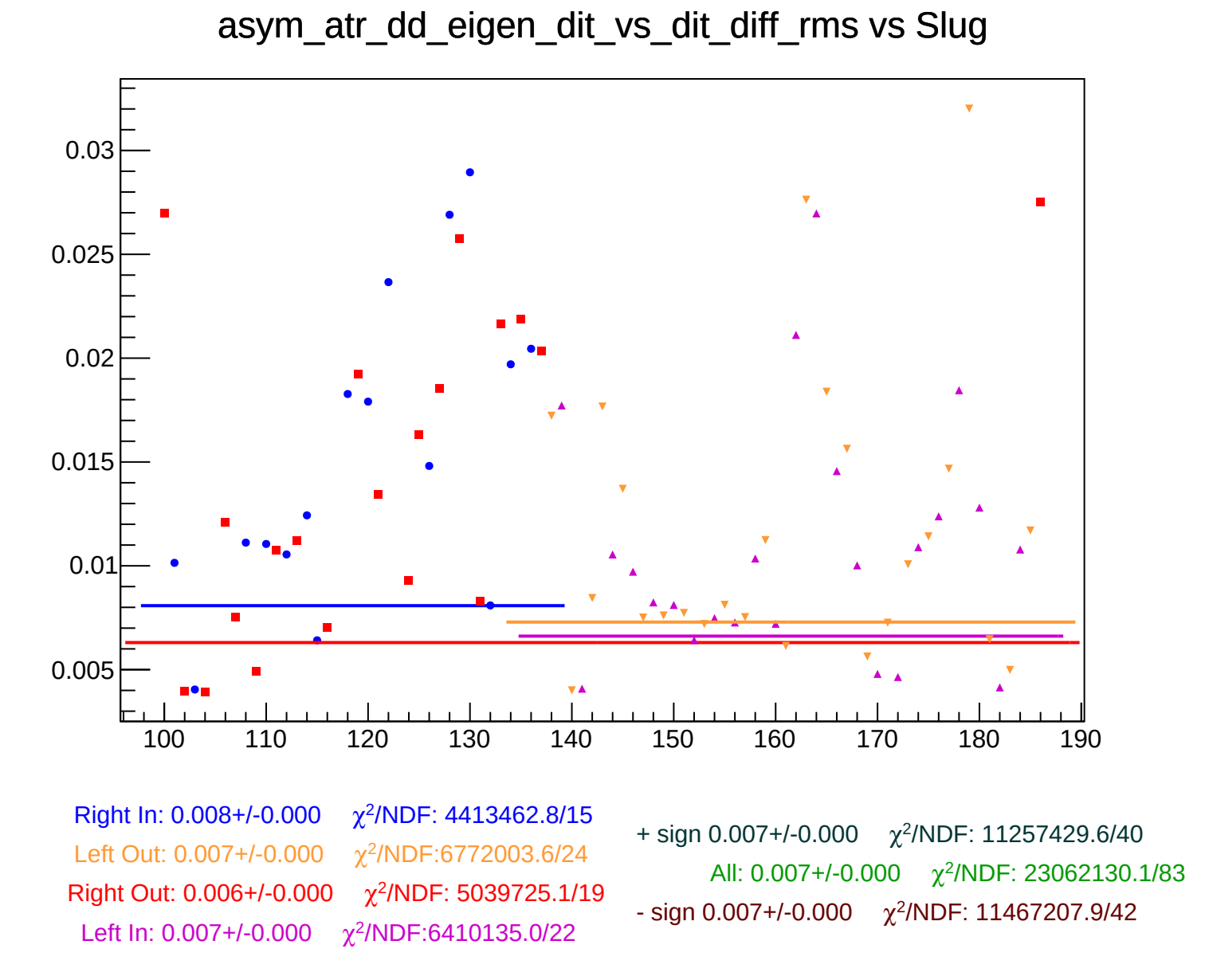
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/19

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

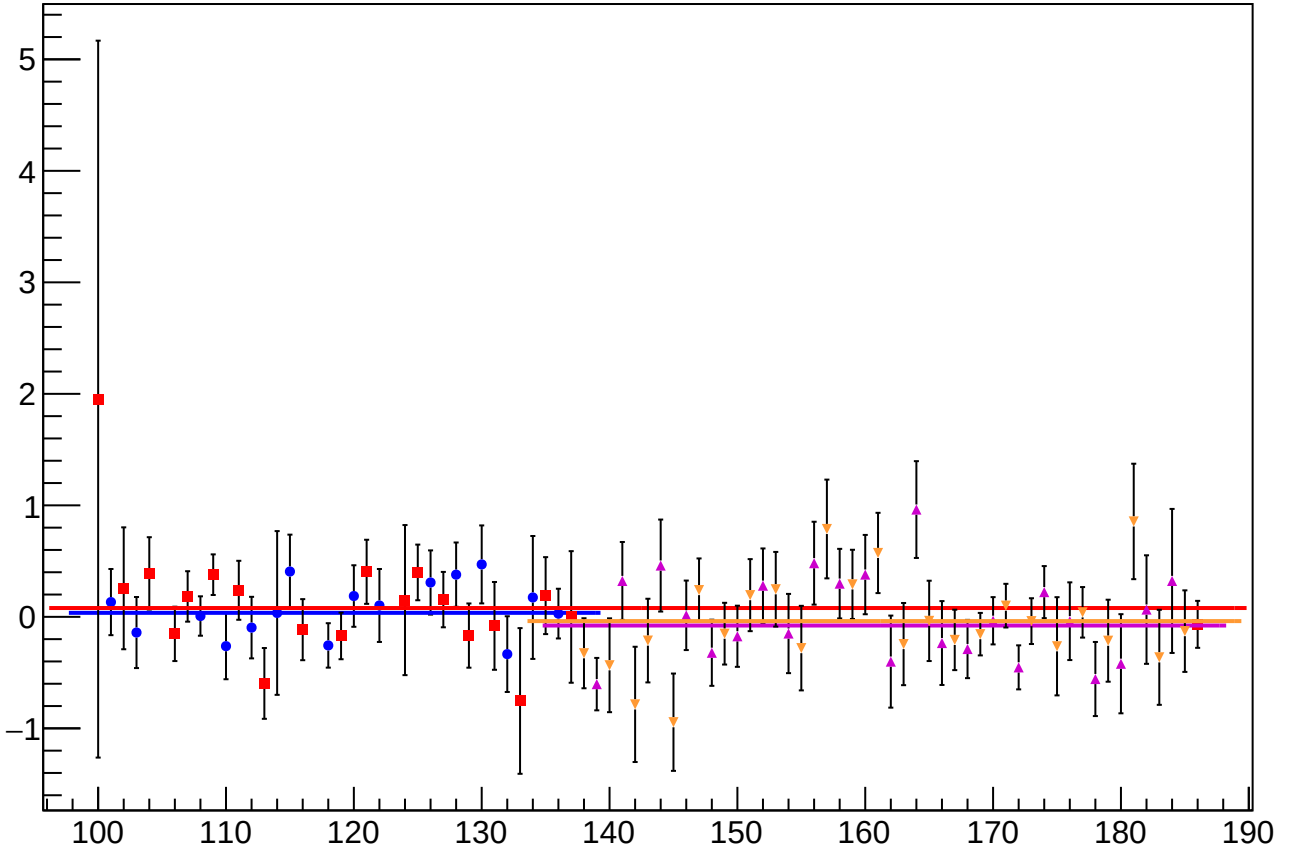
+ sign 0.000+/-0.000 χ^2/NDF: 58.4/40

All: 0.000+/-0.000 χ^2/NDF: 112.7/83

- 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: 4413462.8/15
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: 11257429.6/40
All: 0.007+/-0.000 χ²/NDF: 23062130.1/83
- sign 0.007+/-0.000 χ²/NDF: 11467207.9/42

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.079+/-0.064 χ^2/NDF: 18.2/19

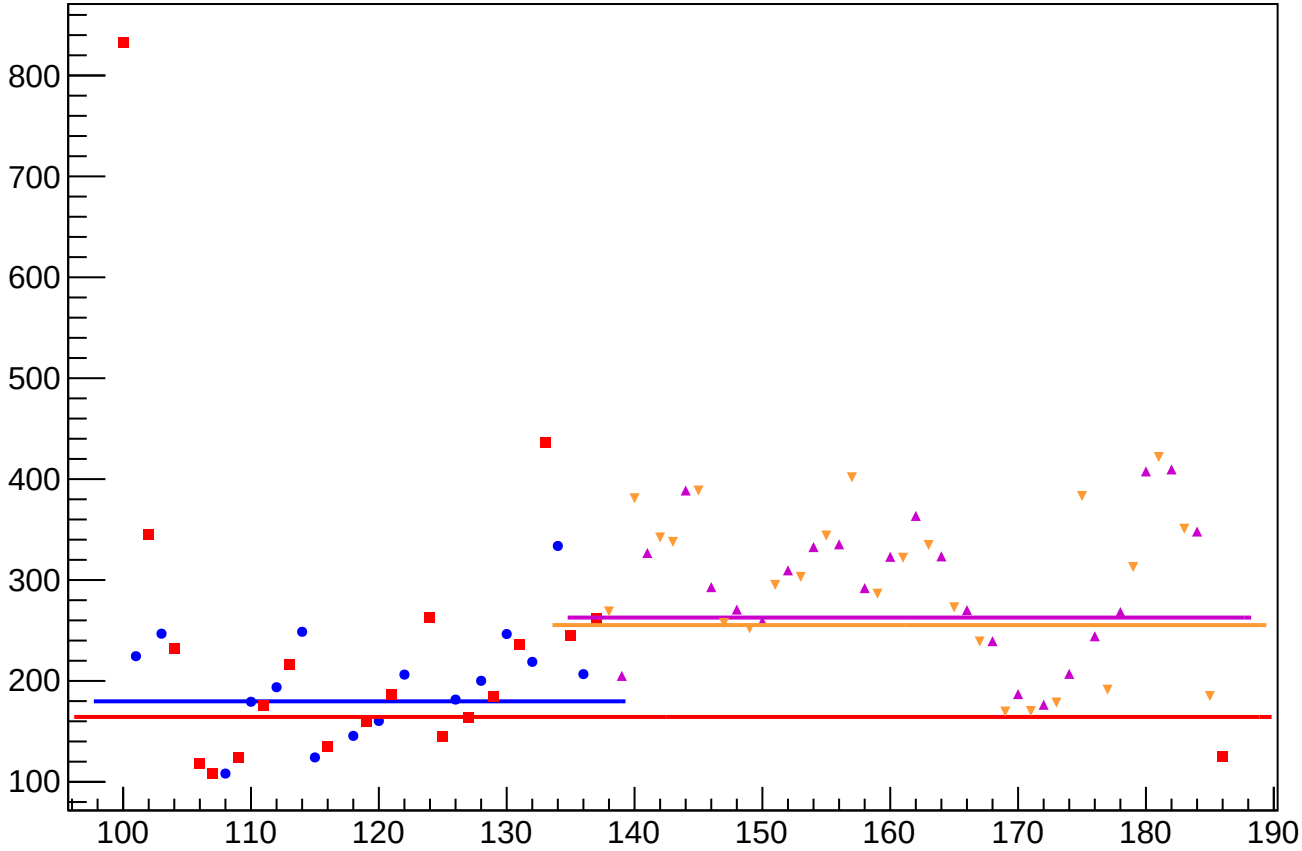
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.006+/-0.047 χ^2/NDF: 35.6/40

All: -0.002+/-0.033 χ^2/NDF: 87.8/83

- sign 0.001+/-0.046 χ^2/NDF: 52.2/42

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 164.300+/-0.046 χ^2/NDF: 1485407.6/19

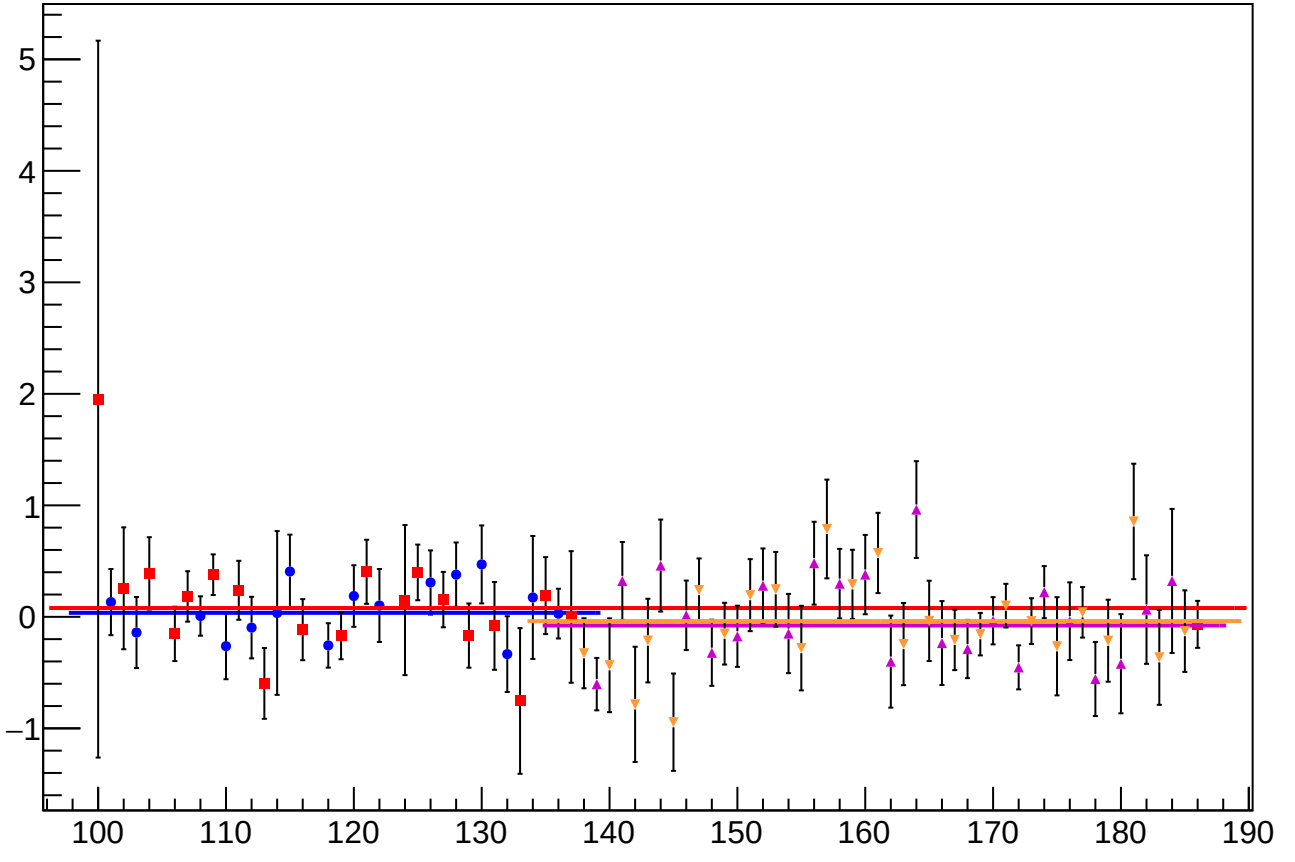
Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 222.490+/-0.033 χ^2/NDF: 5149391.8/40

All: 217.746+/-0.023 χ^2/NDF: 11022496.2/83

- sign 213.172+/-0.032 χ^2/NDF: 5832295.7/42

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

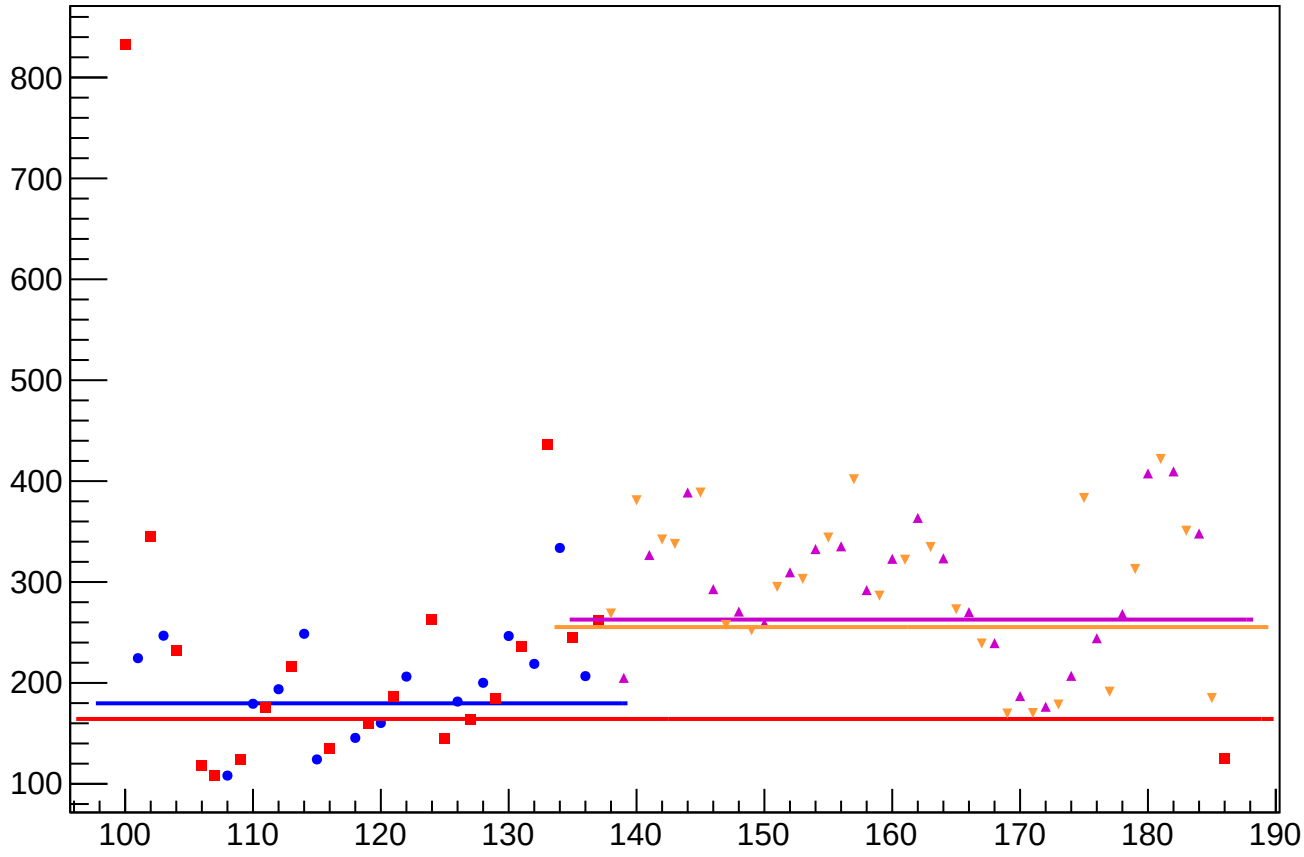
Right Out: 0.079+/-0.064 χ^2/NDF: 18.2/19

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.006+/-0.047 χ^2/NDF: 35.6/40

All: -0.002+/-0.033 χ^2/NDF: 87.8/83

- sign 0.001+/-0.046 χ^2/NDF: 52.2/42



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 164.300+/-0.046 χ^2/NDF: 1485407.6/19

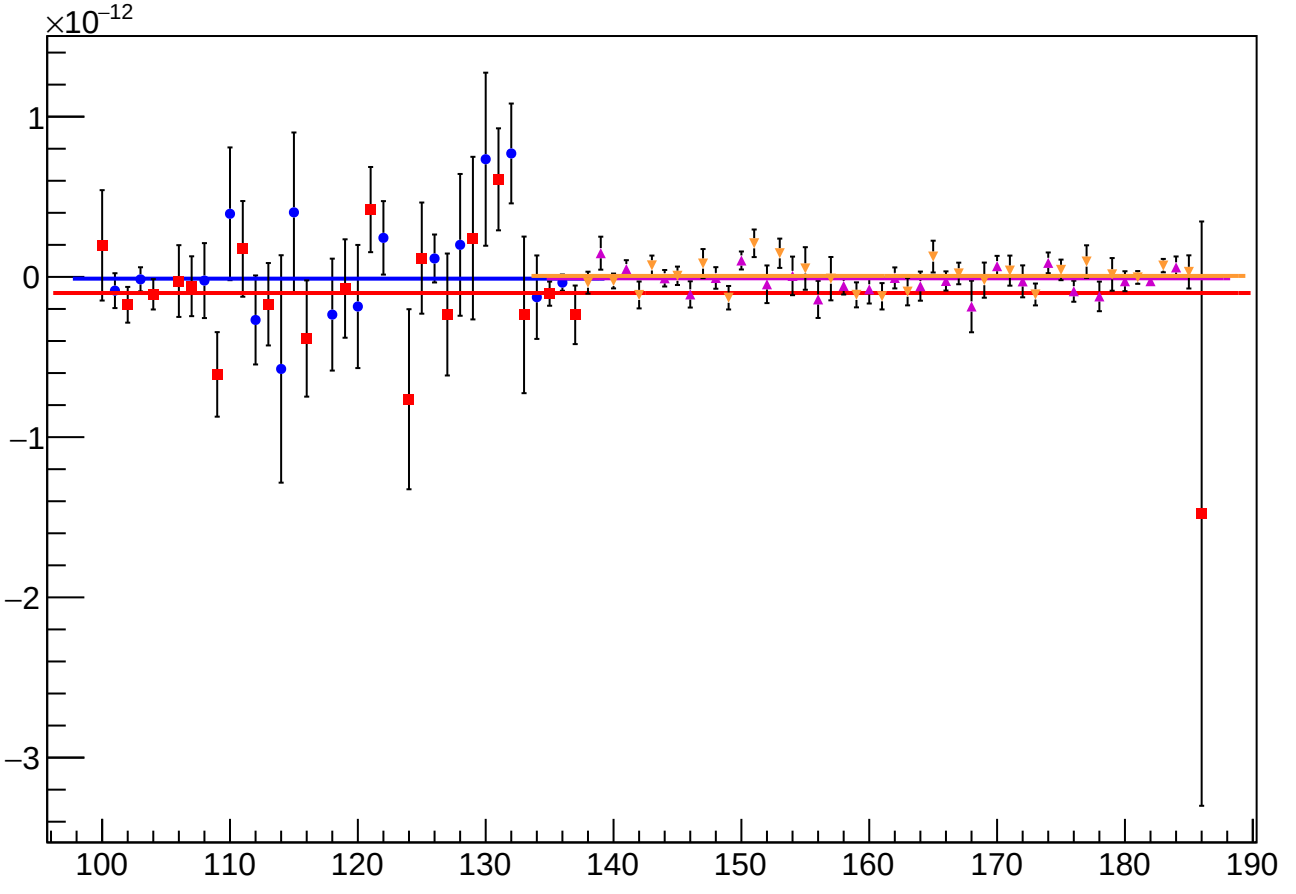
Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 222.490+/-0.033 χ^2/NDF: 5149391.8/40

All: 217.746+/-0.023 χ^2/NDF: 11022496.2/83

- sign 213.172+/-0.032 χ^2/NDF: 5832295.7/42

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

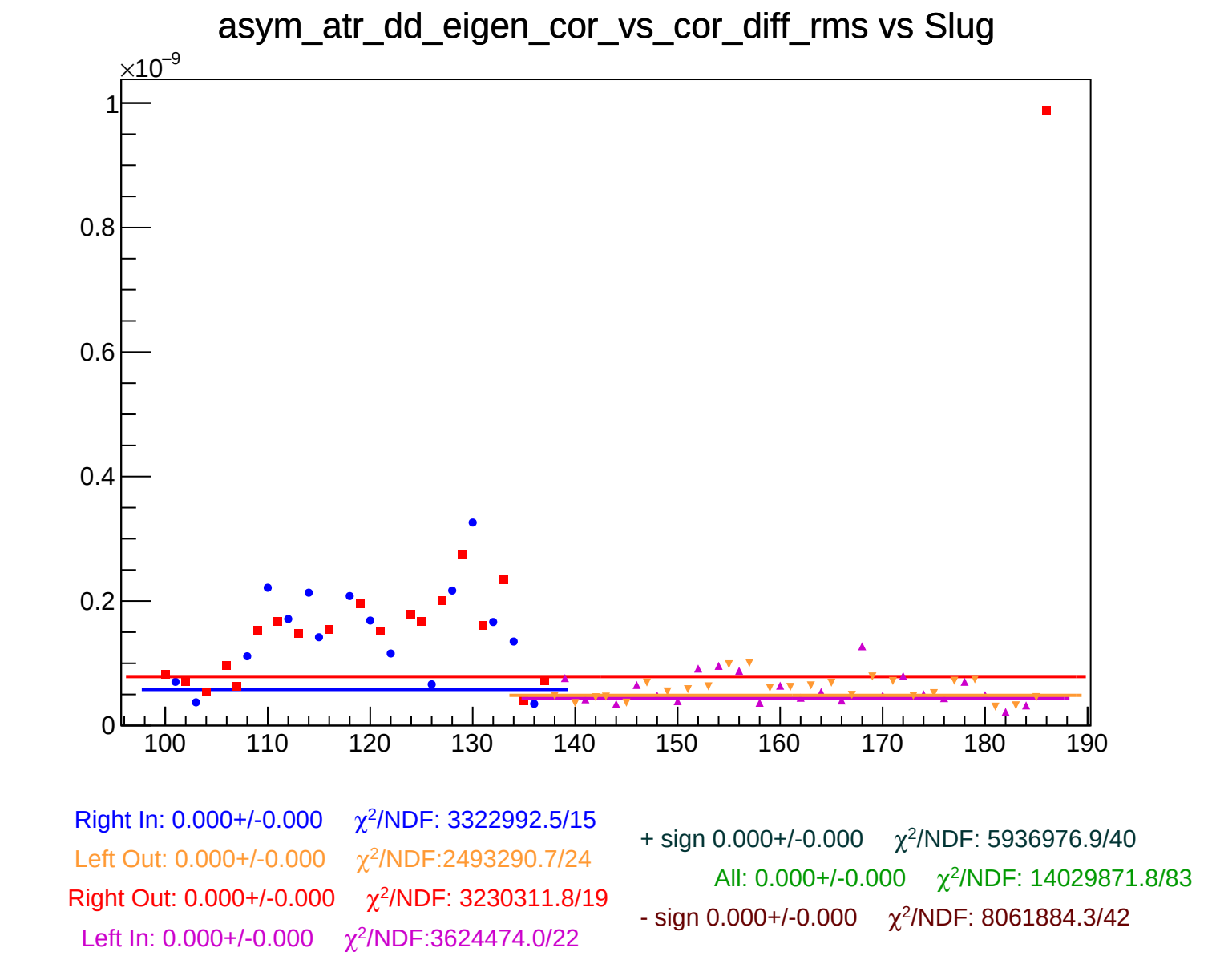
Right Out: -0.000+/-0.000 χ^2/NDF: 19.0/19

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

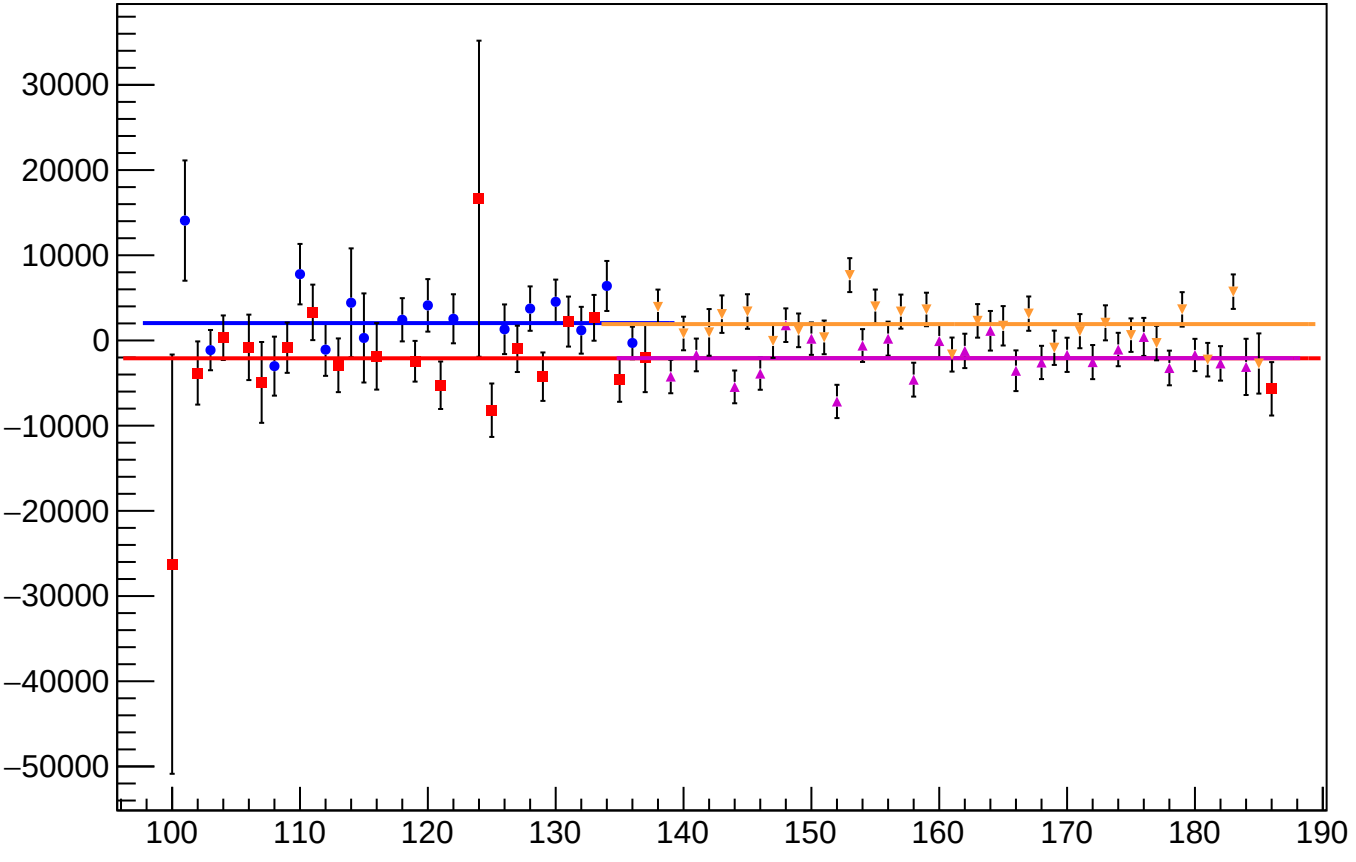
+ sign 0.000+/-0.000 χ^2/NDF: 45.7/40

All: -0.000+/-0.000 χ^2/NDF: 91.6/83

- 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: 3322992.5/15
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: 5936976.9/40
All: 0.000+/-0.000 χ²/NDF: 14029871.8/83
- sign 0.000+/-0.000 χ²/NDF: 8061884.3/42

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -2093.140+/-717.222 χ^2/NDF: 19.9/19

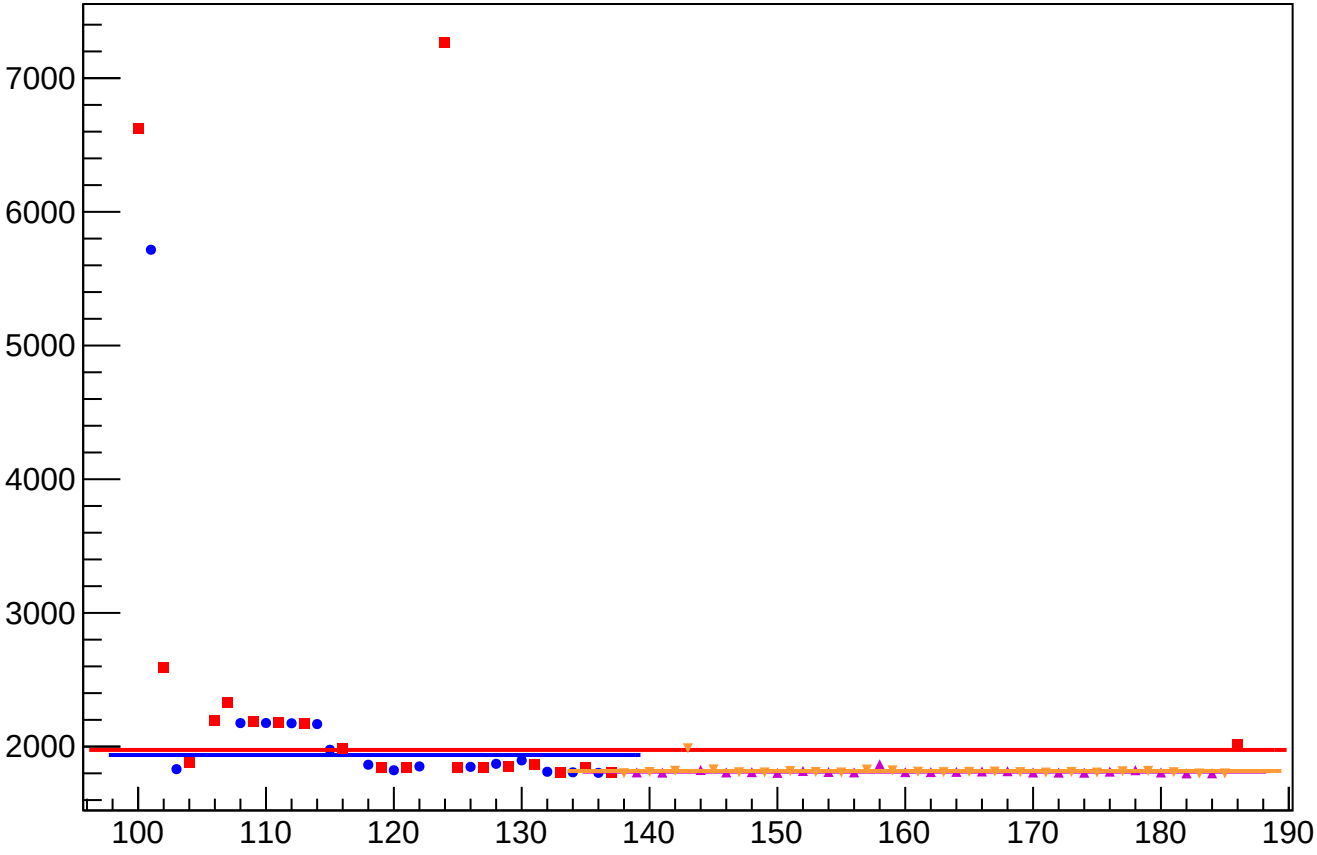
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1949.001+/-360.138 χ^2/NDF: 49.0/40

All: -40.898+/-256.178 χ^2/NDF: 157.2/83

- sign -2079.095+/-364.482 χ^2/NDF: 46.4/42

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

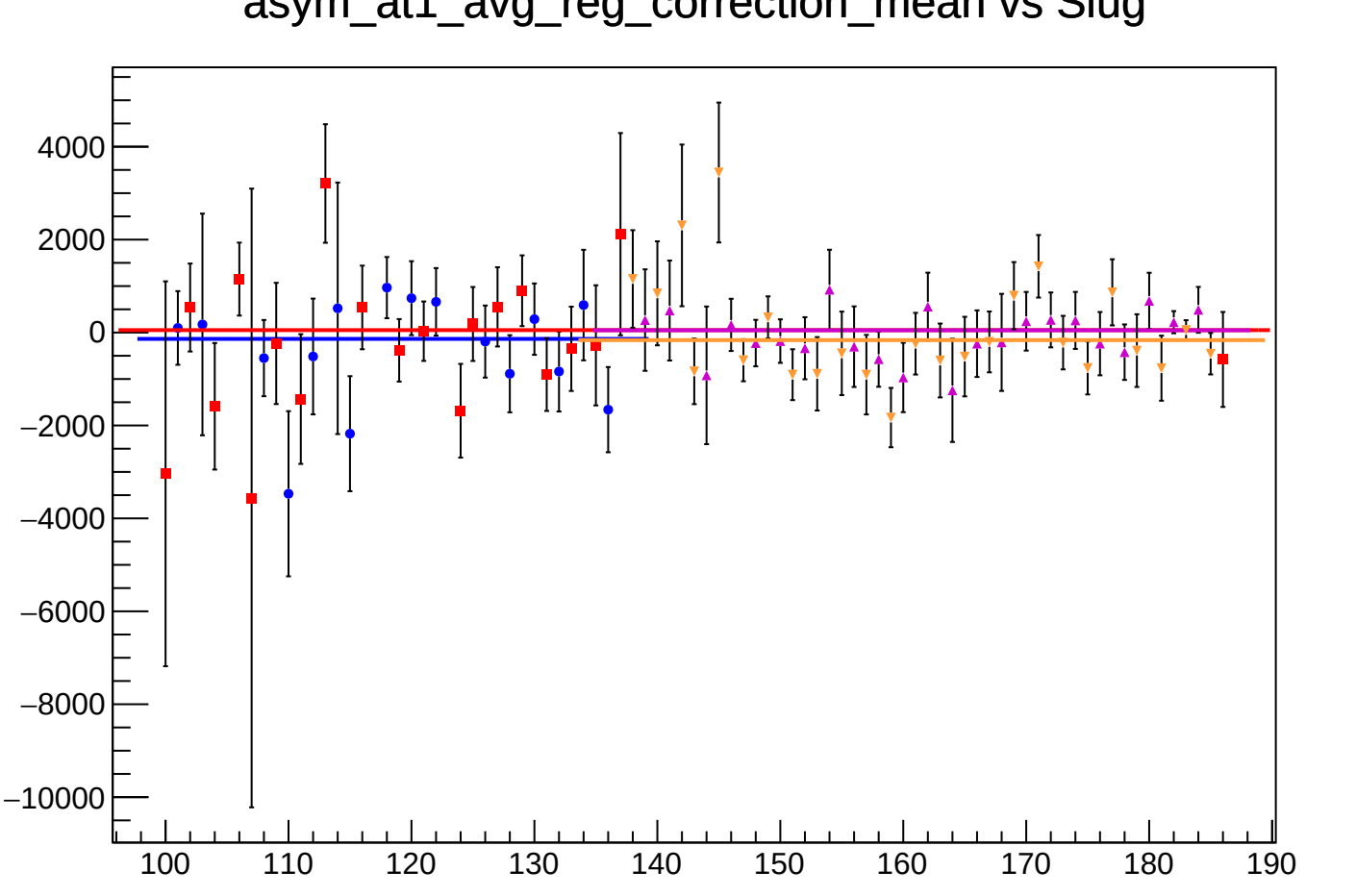
Right Out: 1975.062+/-0.507 χ^2/NDF: 377910.0/19

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1846.174+/-0.255 χ^2/NDF: 691284.7/40

All: 1850.295+/-0.181 χ^2/NDF: 1147906.5/83

- sign 1854.515+/-0.258 χ^2/NDF: 456091.8/42



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 52.488+/-216.959 χ^2/NDF: 20.1/19

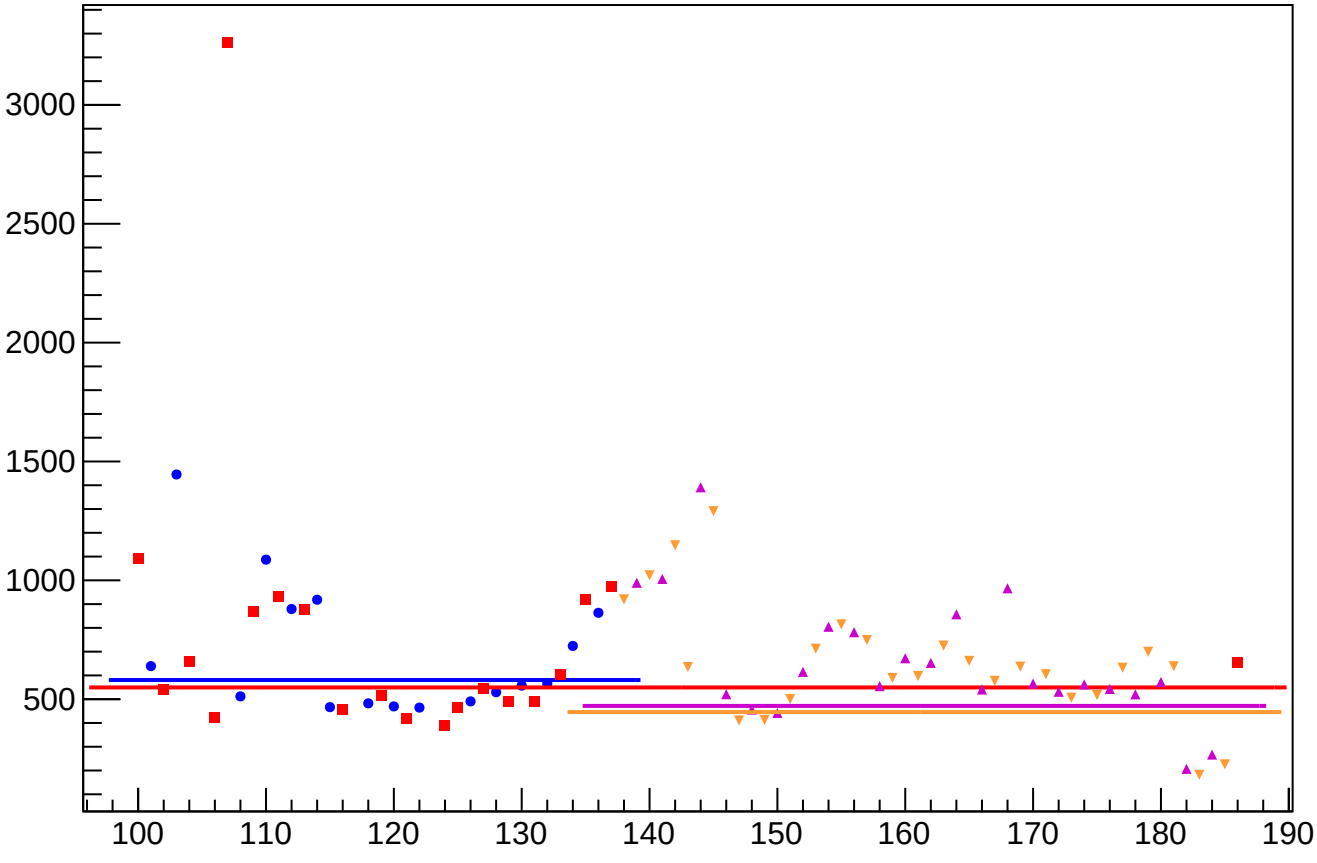
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -157.719+/-103.109 χ^2/NDF: 53.7/40

All: -57.477+/-74.179 χ^2/NDF: 87.2/83

- sign 50.065+/-106.797 χ^2/NDF: 31.5/42

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 549.431+/-0.153 χ^2/NDF: 1309273.7/19

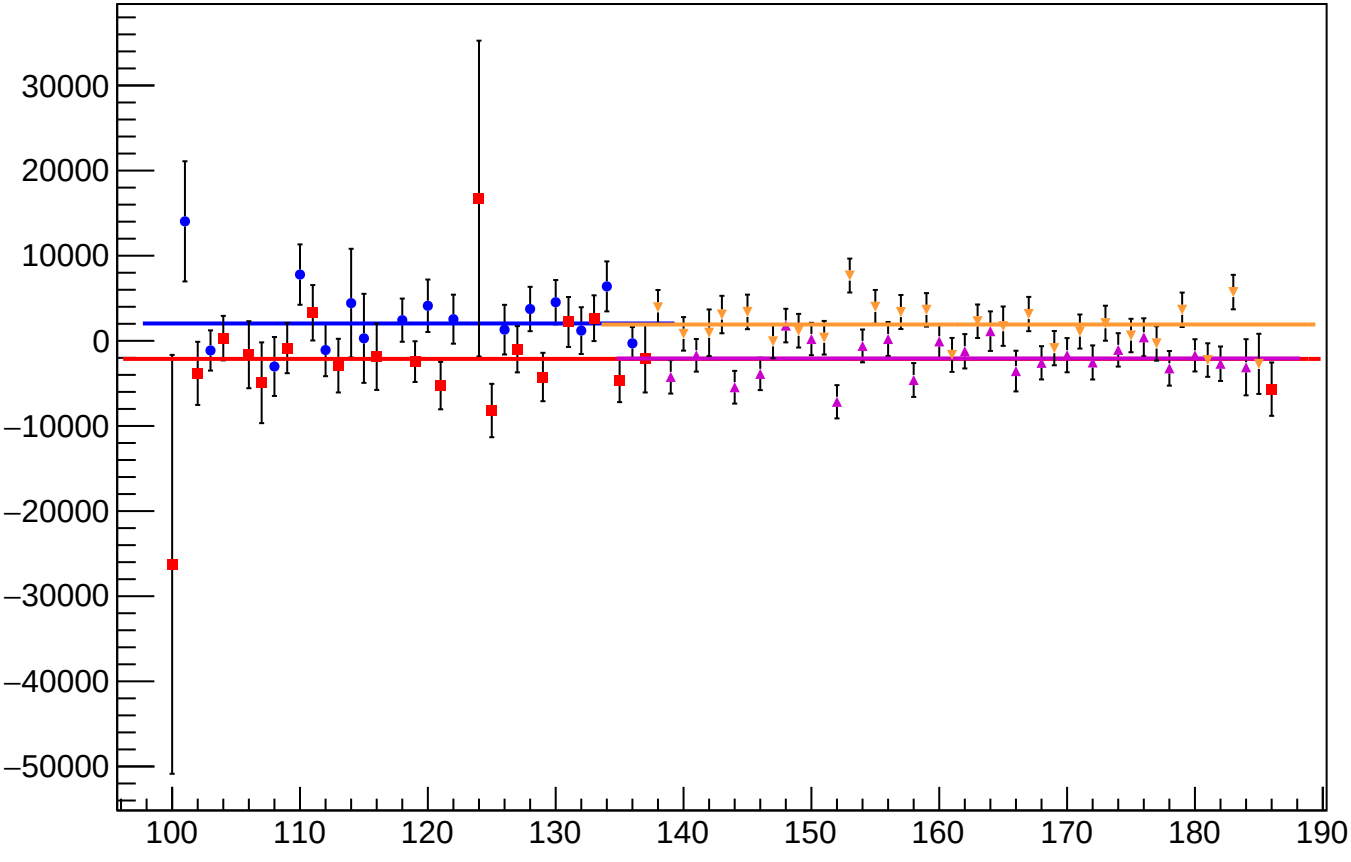
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 472.866+/-0.073 χ^2/NDF: 9532591.1/40

All: 481.407+/-0.052 χ^2/NDF: 17478503.4/83

- sign 490.569+/-0.076 χ^2/NDF: 7917469.7/42

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2122.848+/-717.820 χ^2/NDF: 19.8/19

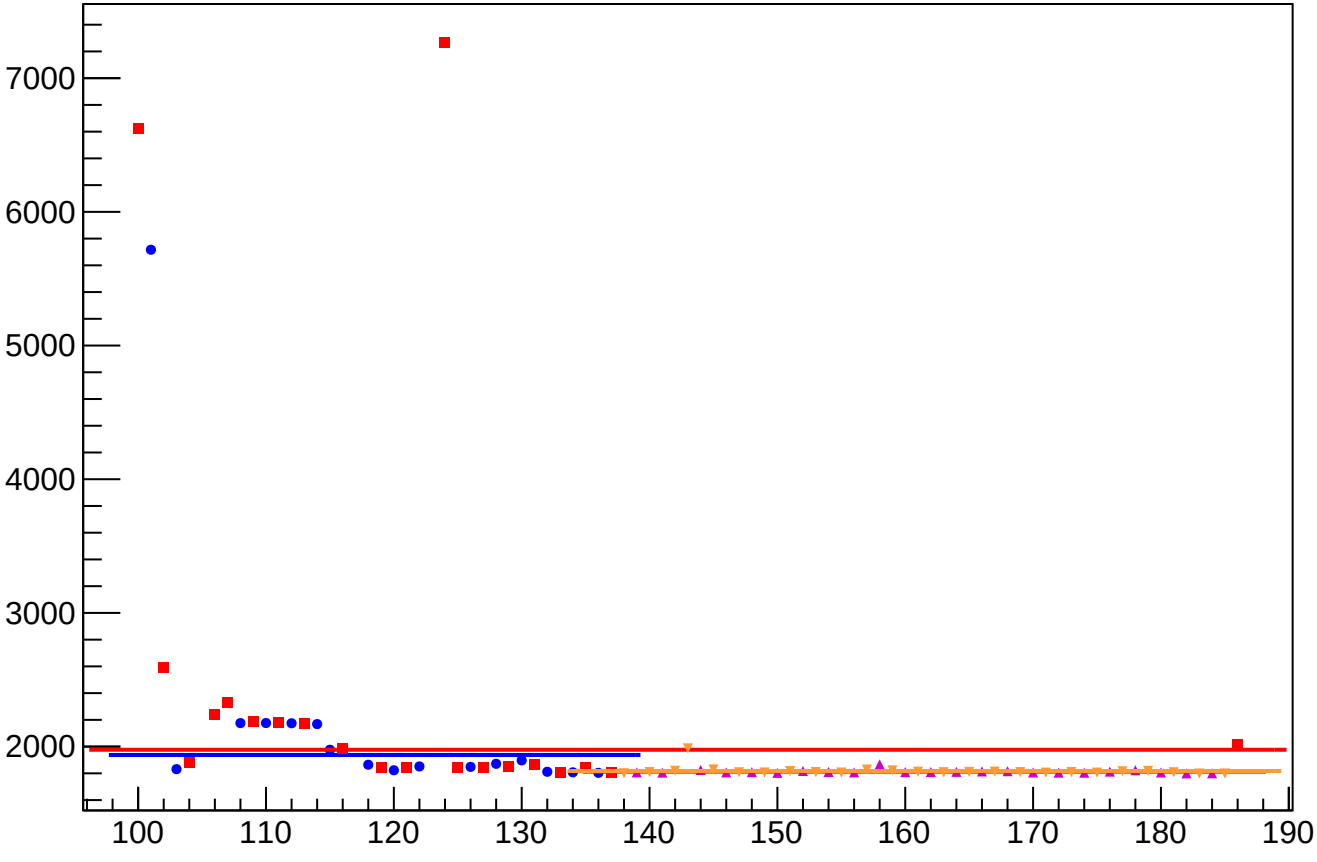
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1948.885+/-360.138 χ^2/NDF: 49.0/40

All: -44.341+/-256.205 χ^2/NDF: 157.3/83

- sign -2086.827+/-364.561 χ^2/NDF: 46.3/42

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1976.387+/-0.508 χ^2/NDF: 380780.3/19

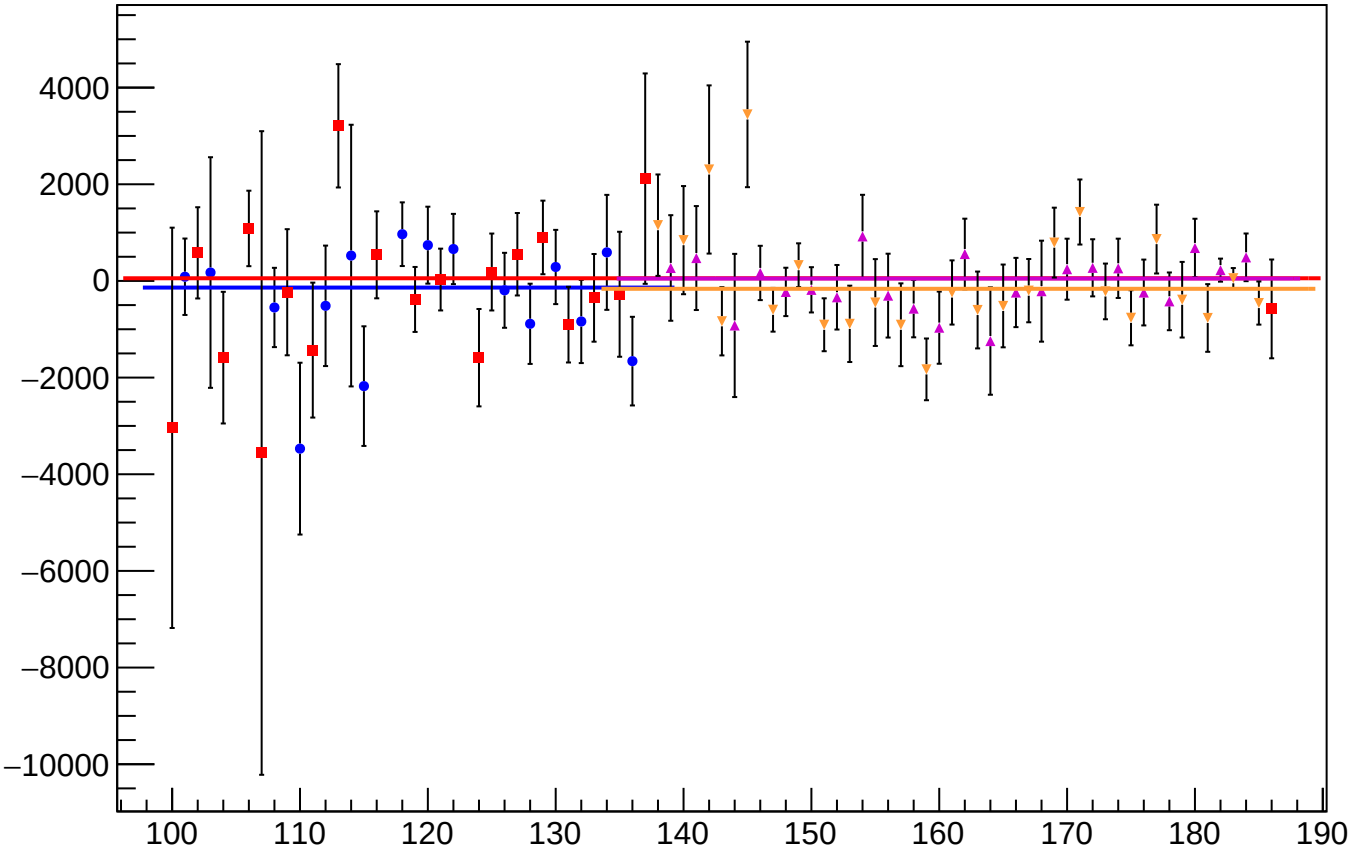
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1846.174+/-0.255 χ^2/NDF: 691284.7/40

All: 1850.437+/-0.181 χ^2/NDF: 1151965.8/83

- sign 1854.805+/-0.258 χ^2/NDF: 460113.7/42

asym_at1_avg_cor_correction_mean vs Slug



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 55.071+/-216.830 χ^2/NDF: 19.7/19

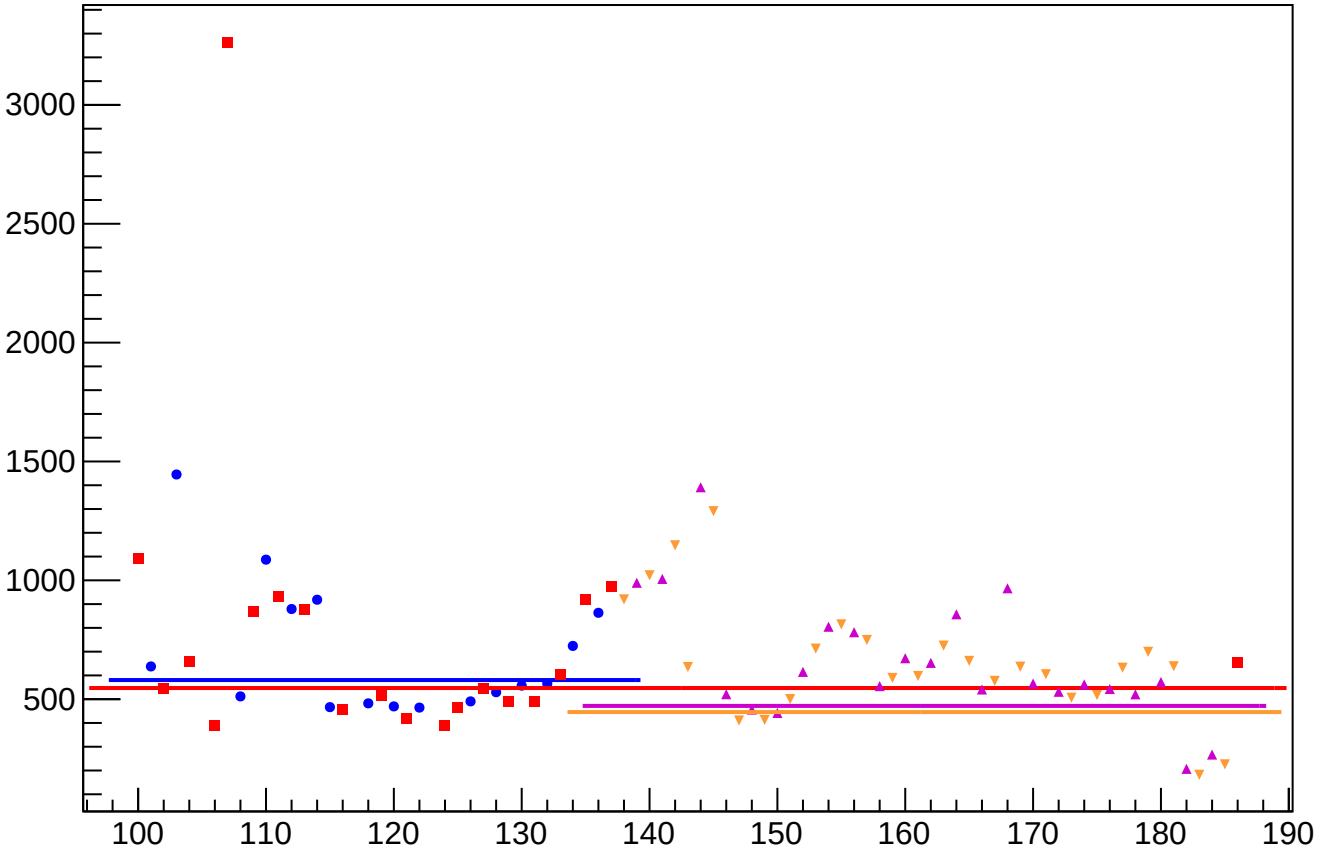
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -157.820+/-103.102 χ^2/NDF: 53.7/40

All: -57.213+/-74.171 χ^2/NDF: 86.7/83

- sign 50.707+/-106.783 χ^2/NDF: 31.0/42

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

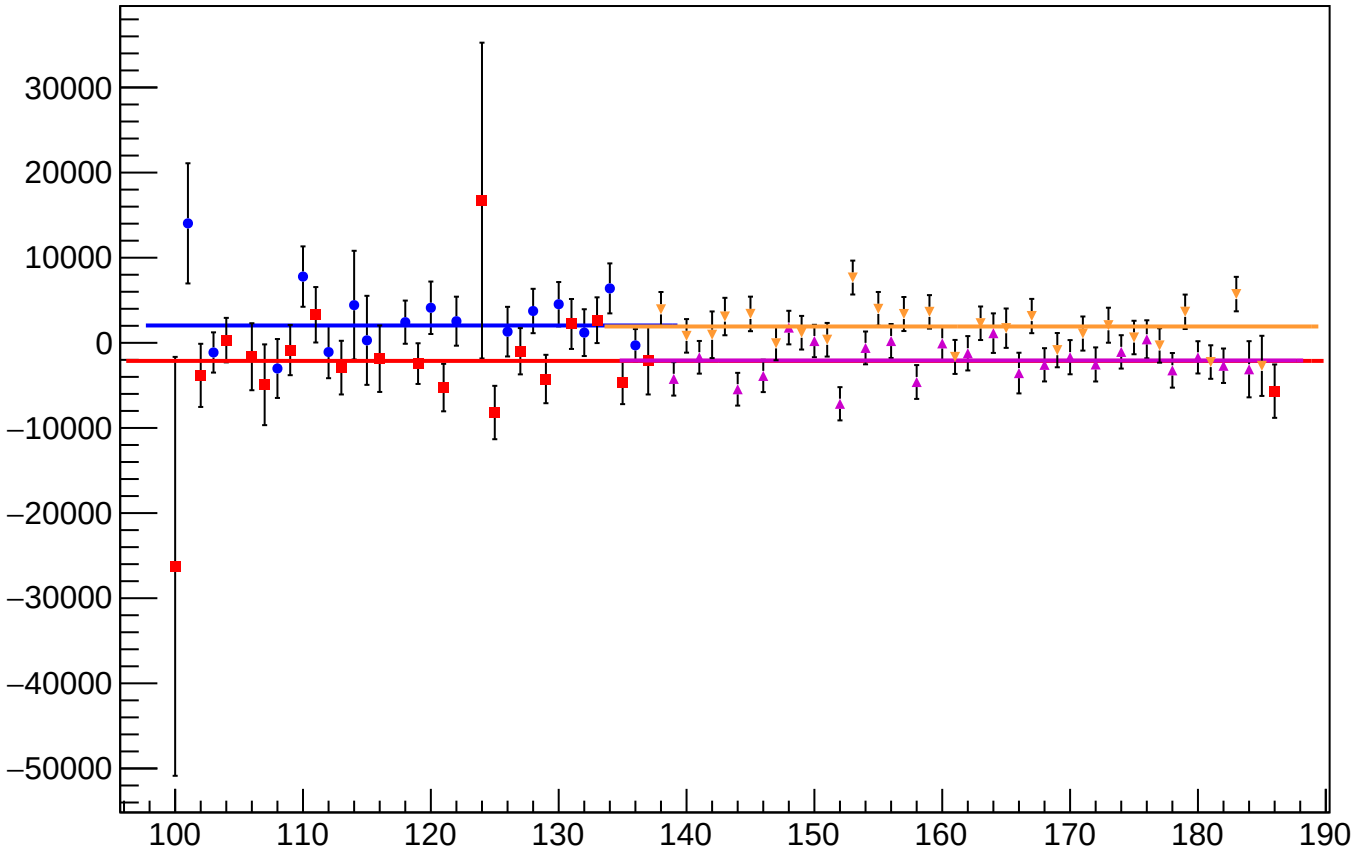
Right Out: 546.950+/-0.153 χ^2/NDF: 1341518.6/19

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 472.835+/-0.073 χ^2/NDF: 9533151.5/40

All: 481.113+/-0.052 χ^2/NDF: 17497265.1/83

- sign 489.994+/-0.076 χ^2/NDF: 7937387.0/42



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2122.848+/-717.820 χ^2/NDF: 19.8/19

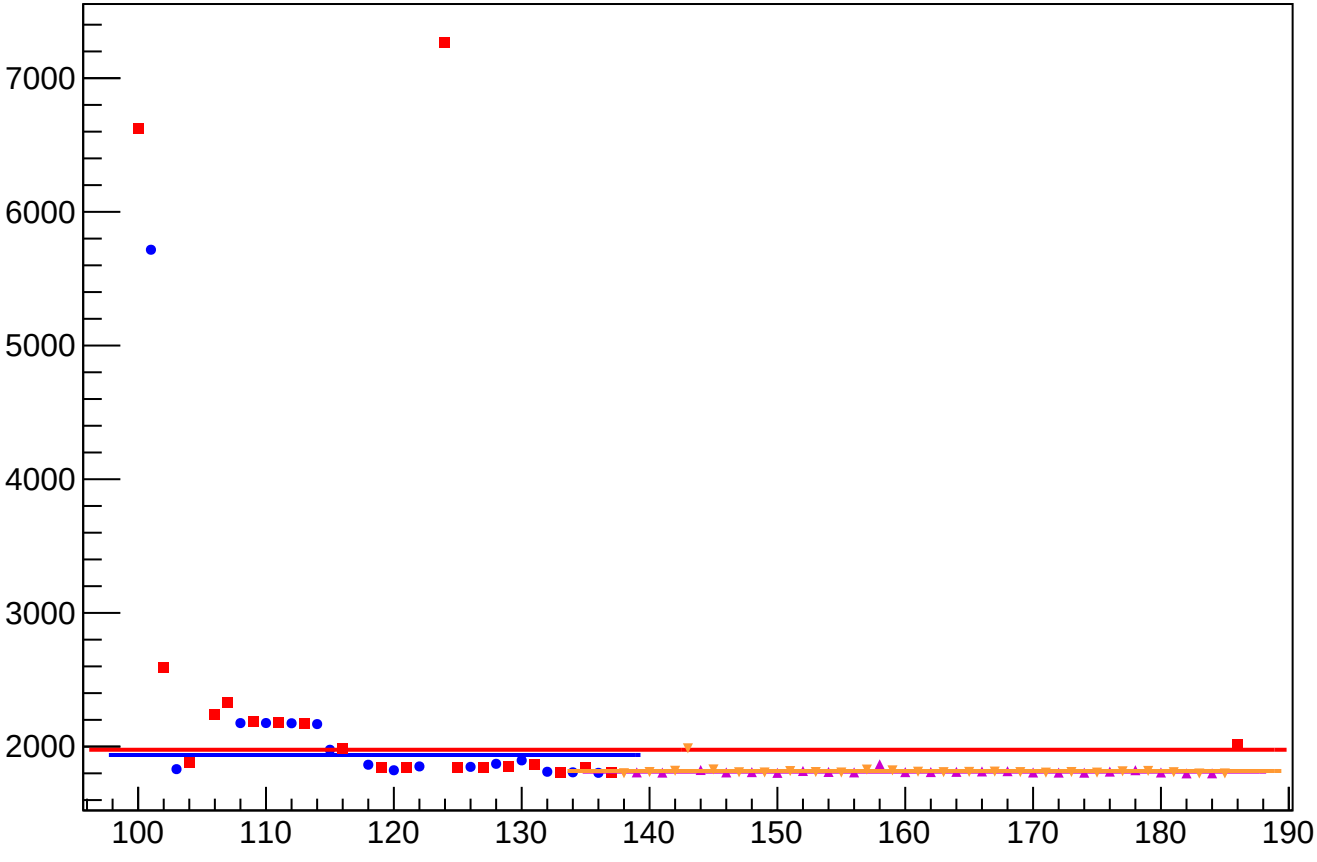
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1948.885+/-360.138 χ^2/NDF: 49.0/40

All: -44.341+/-256.205 χ^2/NDF: 157.3/83

- sign -2086.827+/-364.561 χ^2/NDF: 46.3/42

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

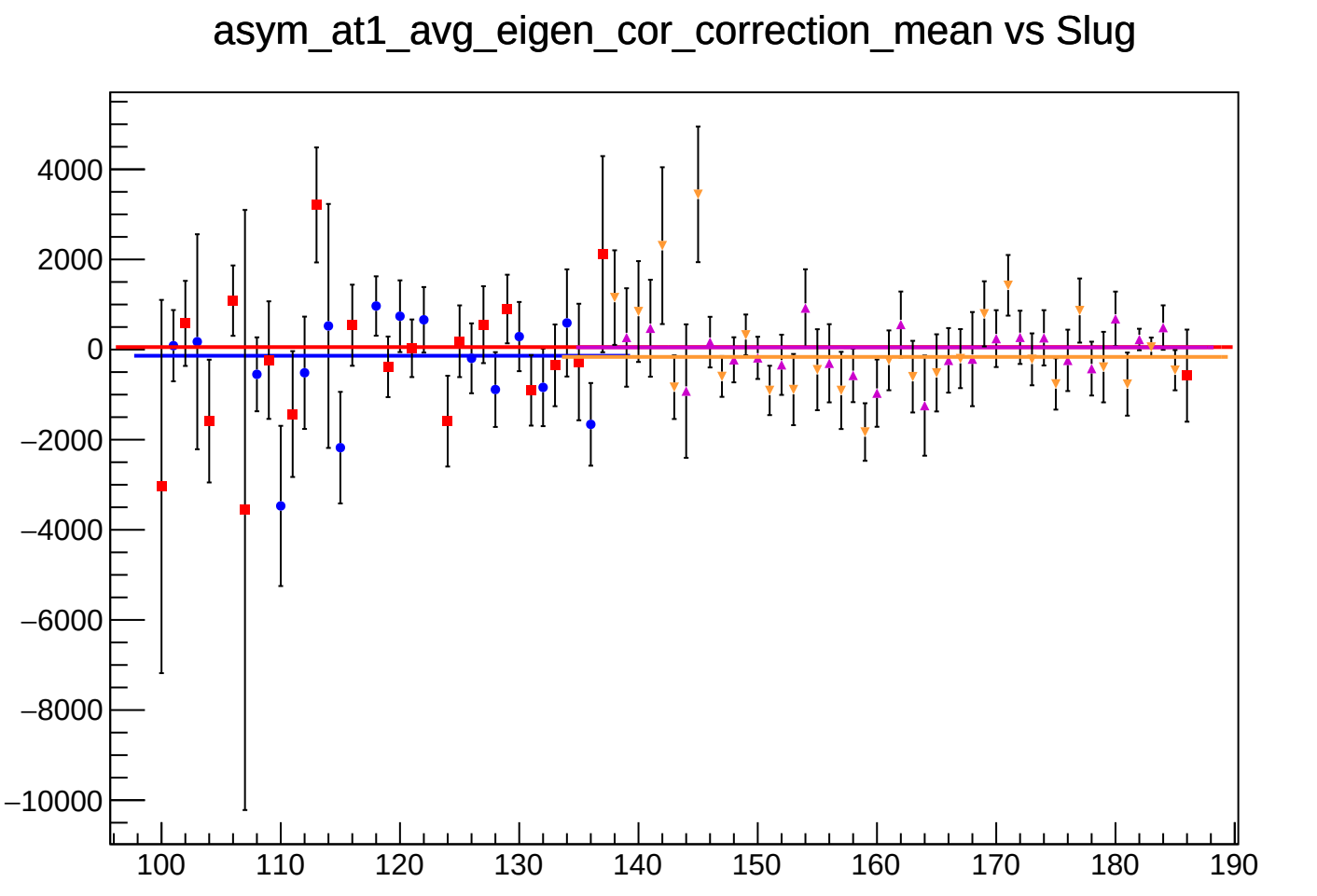
Right Out: 1976.387+/-0.508 χ^2/NDF: 380780.3/19

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1846.174+/-0.255 χ^2/NDF: 691284.7/40

All: 1850.437+/-0.181 χ^2/NDF: 1151965.8/83

- sign 1854.805+/-0.258 χ^2/NDF: 460113.7/42



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 55.071+/-216.830 χ^2/NDF: 19.7/19

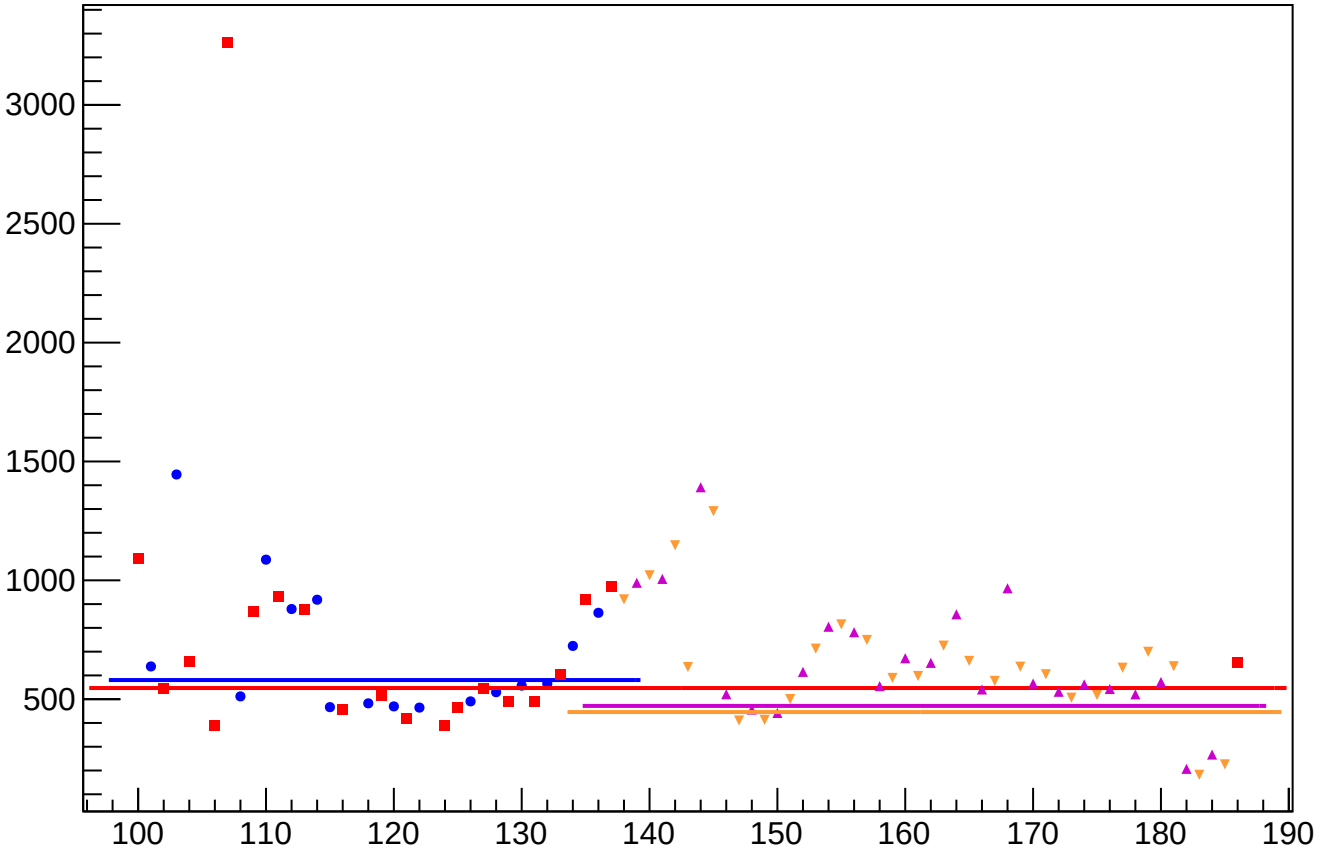
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -157.820+/-103.102 χ^2/NDF: 53.7/40

All: -57.213+/-74.171 χ^2/NDF: 86.7/83

- sign 50.707+/-106.783 χ^2/NDF: 31.0/42

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

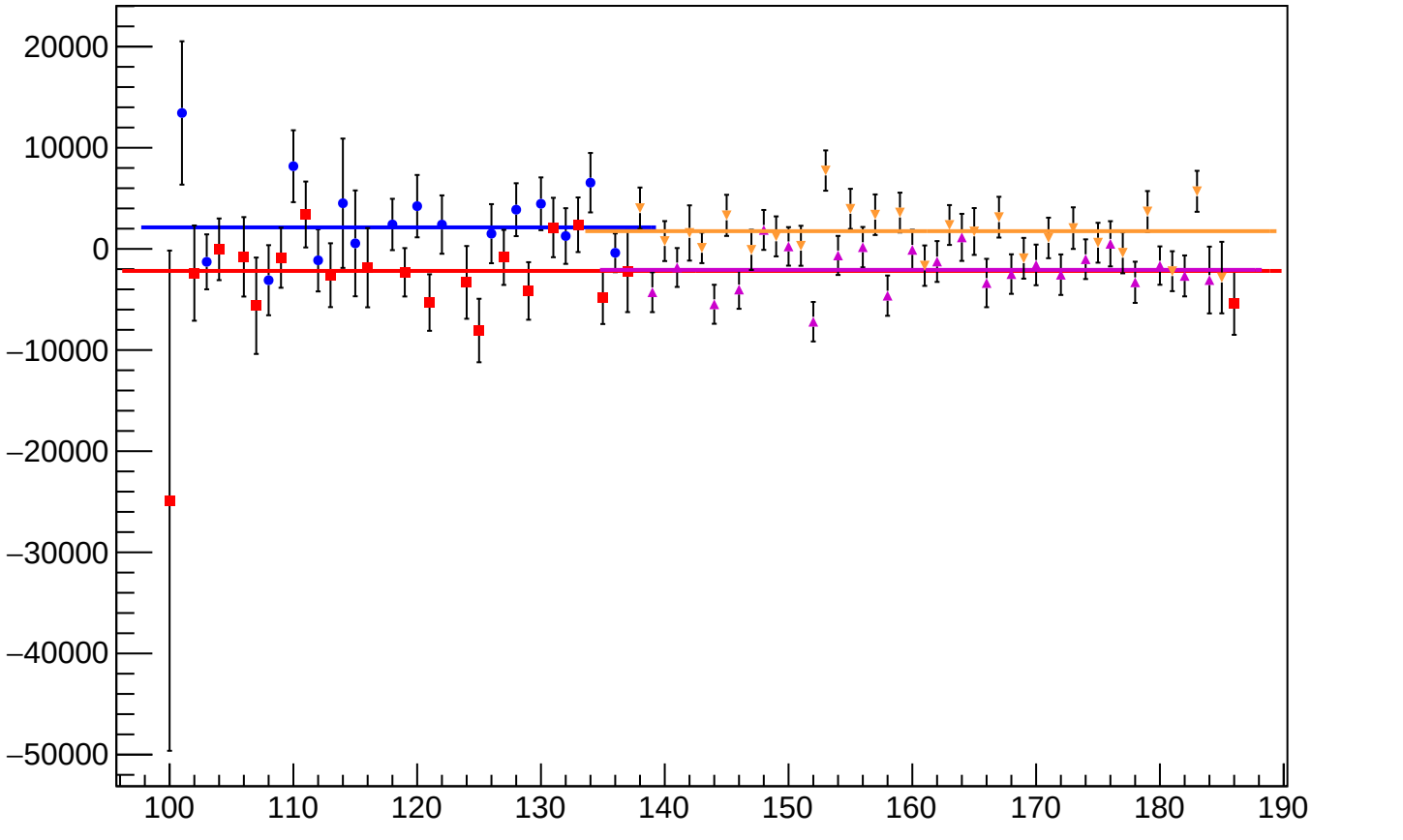
Right Out: 546.950+/-0.153 χ^2/NDF: 1341518.6/19

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 472.835+/-0.073 χ^2/NDF: 9533151.5/40

All: 481.113+/-0.052 χ^2/NDF: 17497265.1/83

- sign 489.994+/-0.076 χ^2/NDF: 7937387.0/42



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2177.246+/-717.691 χ^2/NDF: 17.8/19

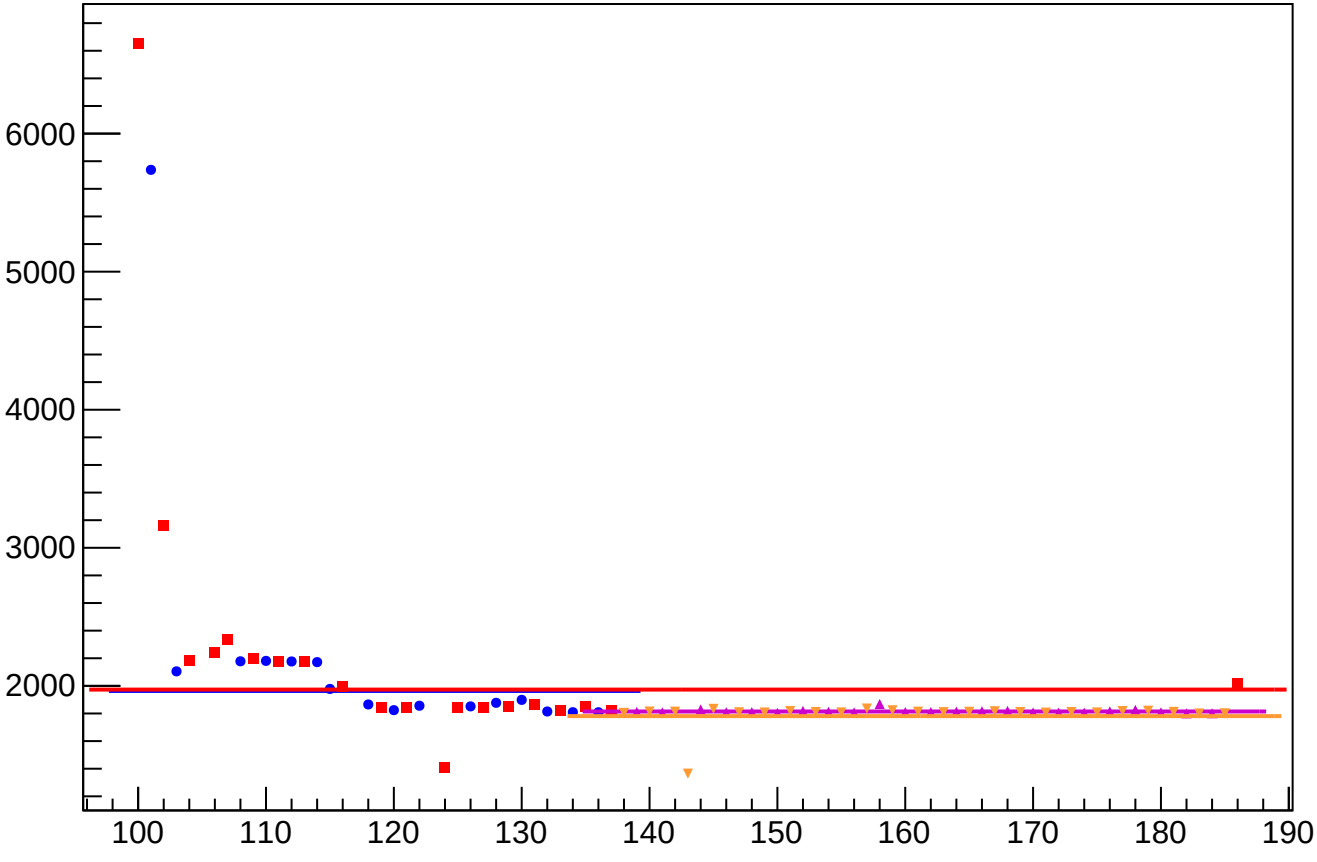
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1840.549+/-356.229 χ^2/NDF: 50.5/40

All: -82.866+/-254.878 χ^2/NDF: 155.0/83

- sign -2100.265+/-364.828 χ^2/NDF: 44.8/42

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1973.071+/-0.507 χ^2/NDF: 345613.7/19

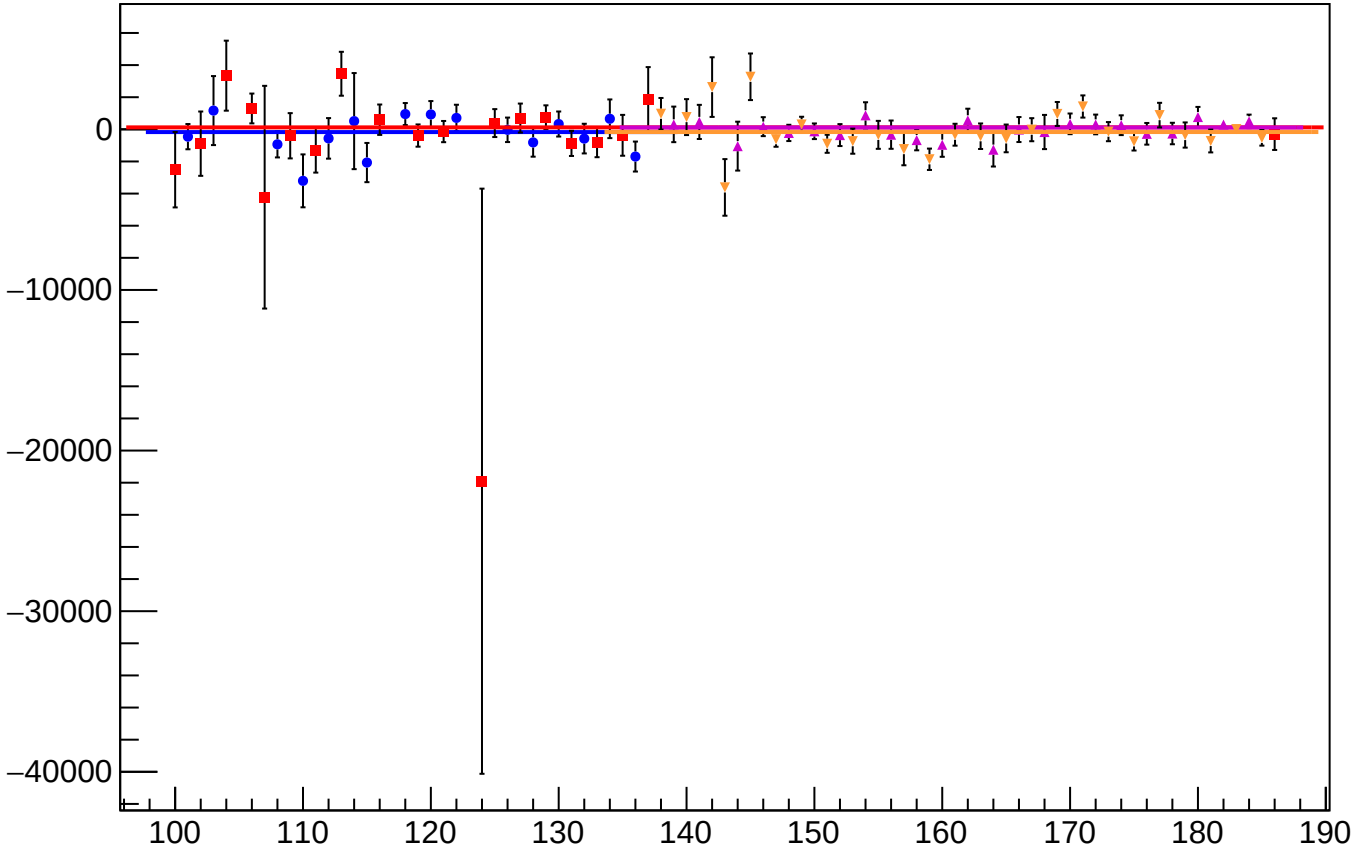
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1822.501+/-0.252 χ^2/NDF: 897552.7/40

All: 1838.571+/-0.180 χ^2/NDF: 1326065.6/83

- sign 1855.427+/-0.258 χ^2/NDF: 420173.4/42

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 122.011+/-235.799 χ^2/NDF: 20.3/19

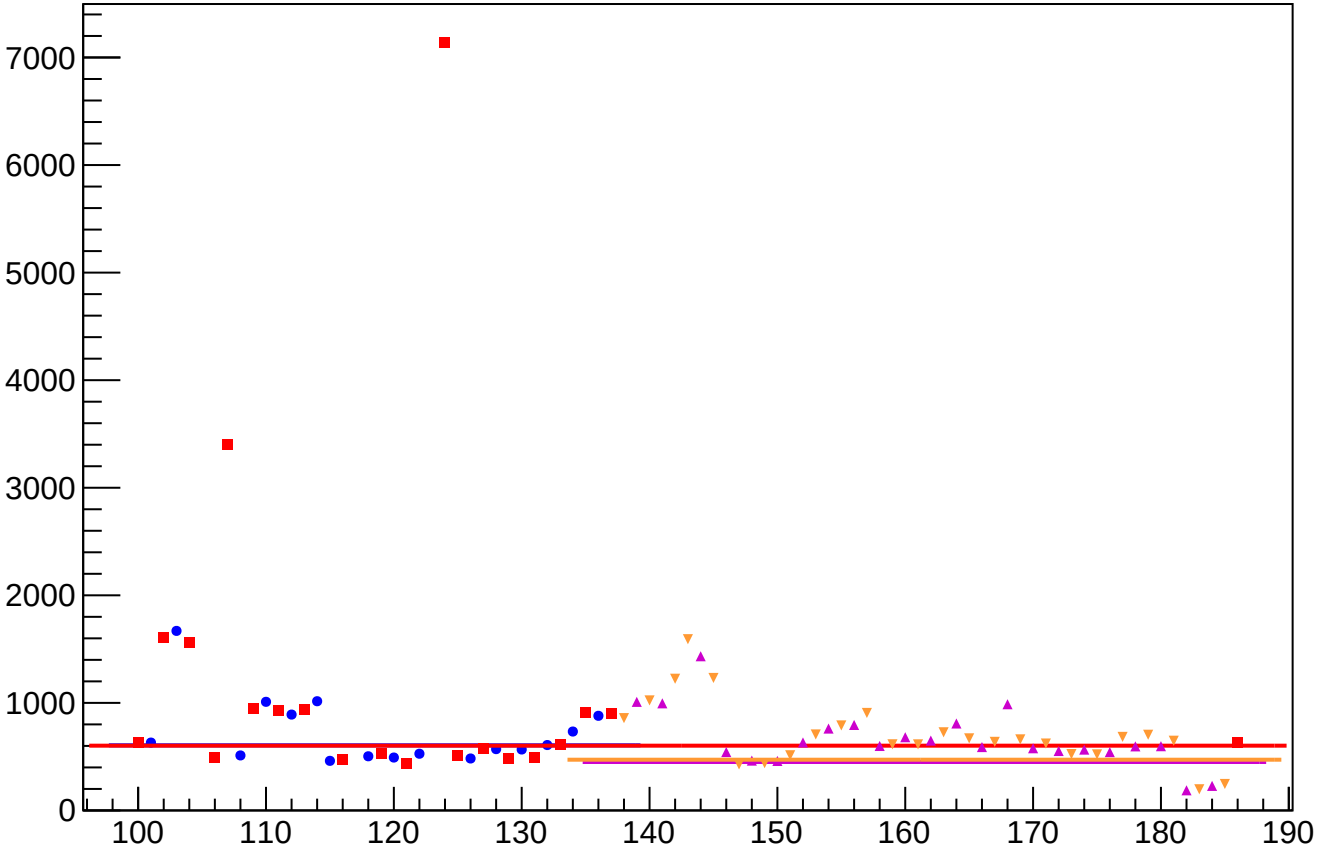
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -168.506+/-108.202 χ^2/NDF: 55.6/40

All: -23.267+/-76.005 χ^2/NDF: 91.7/83

- sign 118.195+/-106.786 χ^2/NDF: 32.6/42

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 602.216+/-0.167 χ^2/NDF: 2330380.2/19

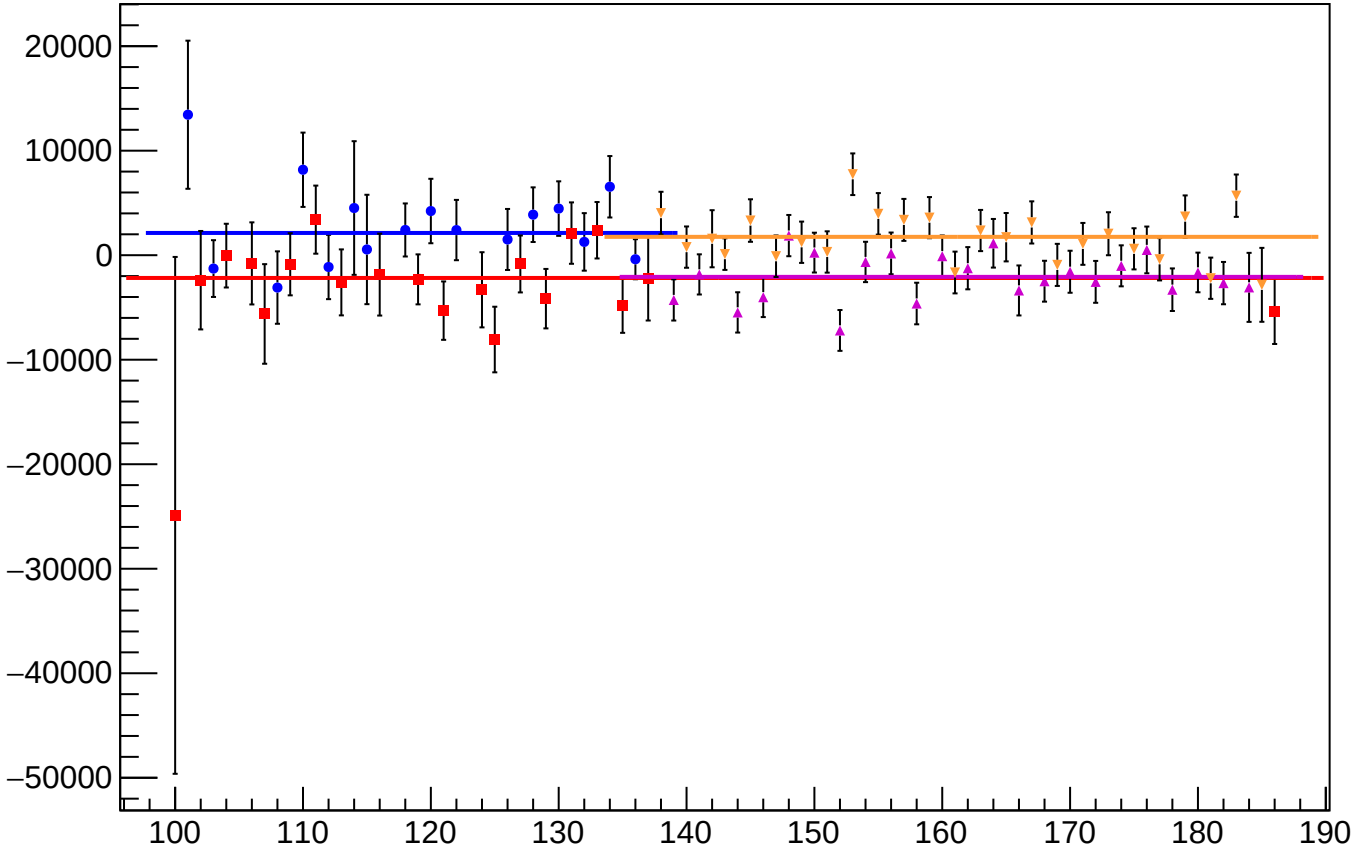
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 499.656+/-0.077 χ^2/NDF: 9778867.5/40

All: 490.578+/-0.054 χ^2/NDF: 20722209.0/83

- sign 481.736+/-0.076 χ^2/NDF: 10915552.8/42

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2177.244+/-717.691 χ^2/NDF: 17.8/19

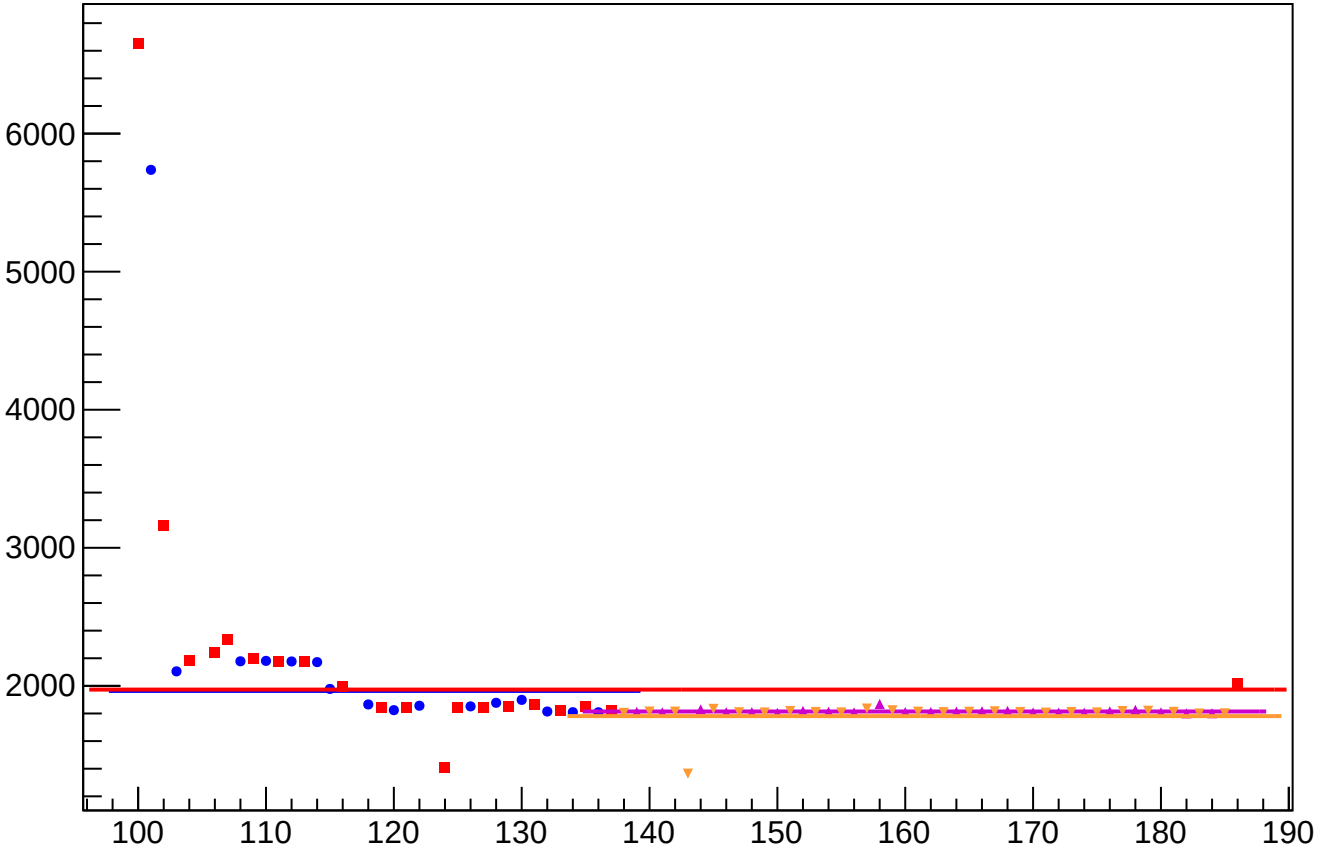
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1840.549+/-356.229 χ^2/NDF: 50.5/40

All: -82.865+/-254.878 χ^2/NDF: 155.0/83

- sign -2100.264+/-364.828 χ^2/NDF: 44.8/42

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

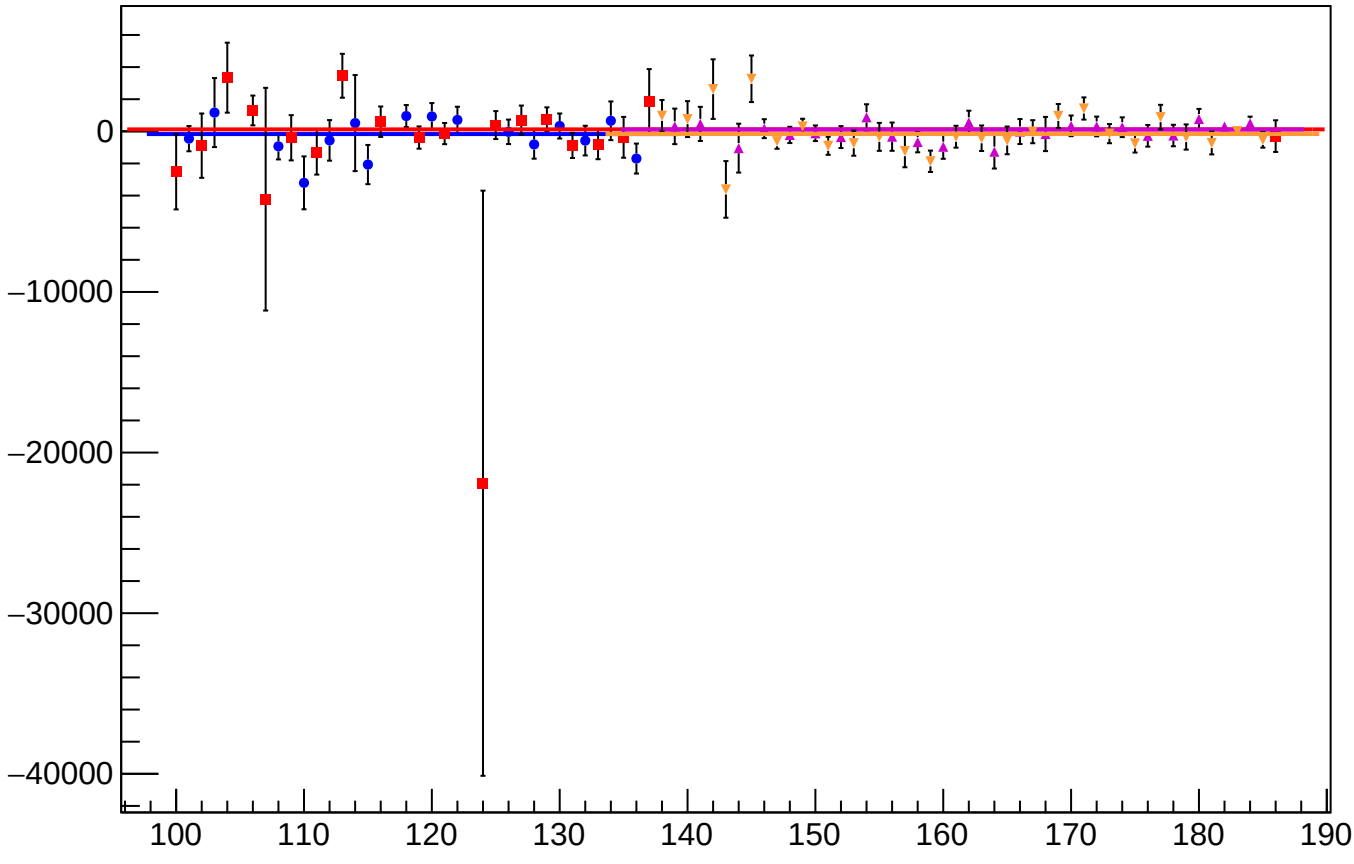
Right Out: 1973.070+/-0.507 χ^2/NDF: 345612.4/19

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1822.501+/-0.252 χ^2/NDF: 897552.2/40

All: 1838.571+/-0.180 χ^2/NDF: 1326063.5/83

- sign 1855.427+/-0.258 χ^2/NDF: 420171.9/42



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

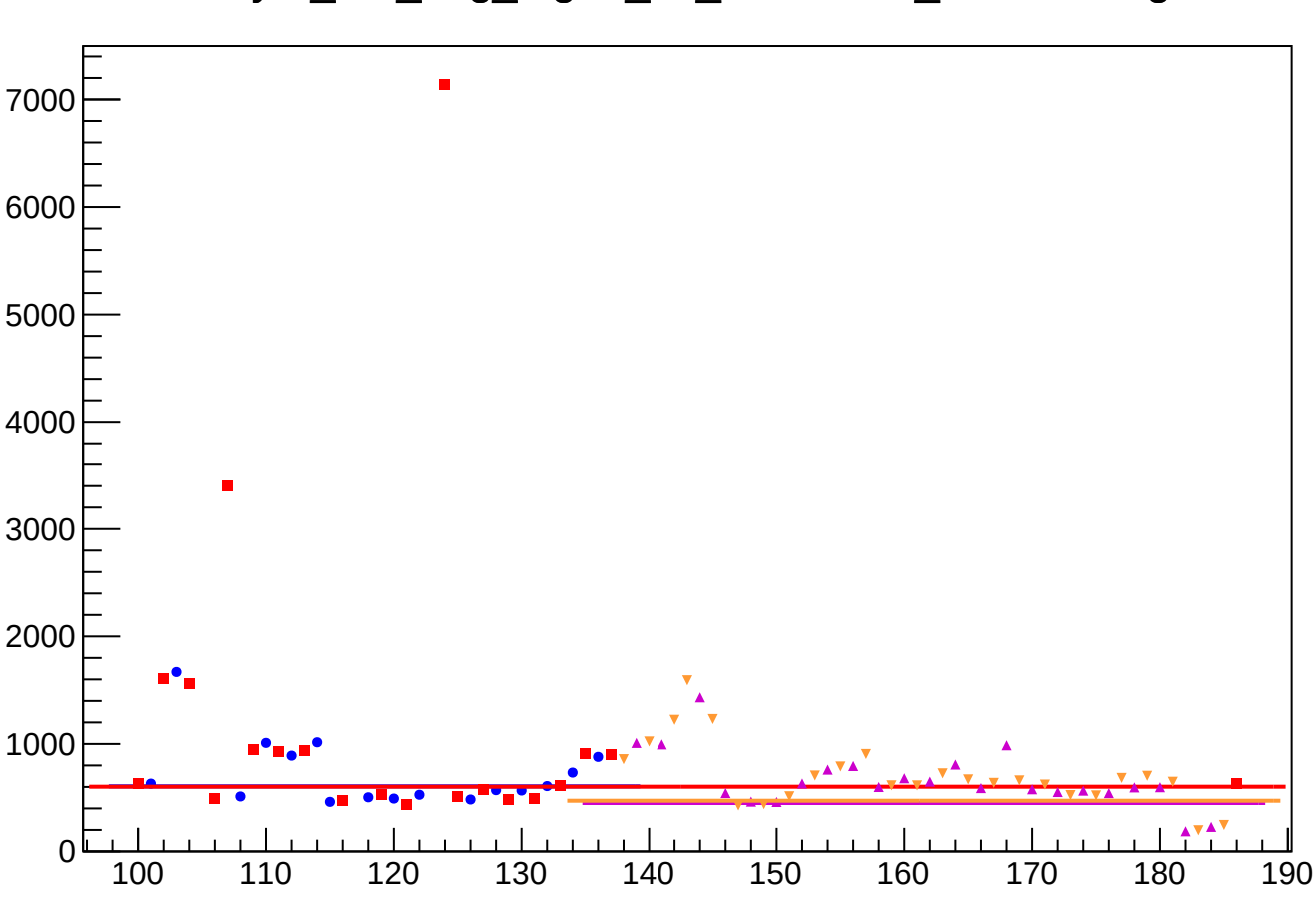
Right Out: 122.011+/-235.799 χ^2/NDF: 20.3/19

Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -168.507+/-108.202 χ^2/NDF: 55.6/40

All: -23.267+/-76.005 χ^2/NDF: 91.7/83

- sign 118.196+/-106.786 χ^2/NDF: 32.6/42



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 602.216+/-0.167 χ^2/NDF: 2330388.2/19

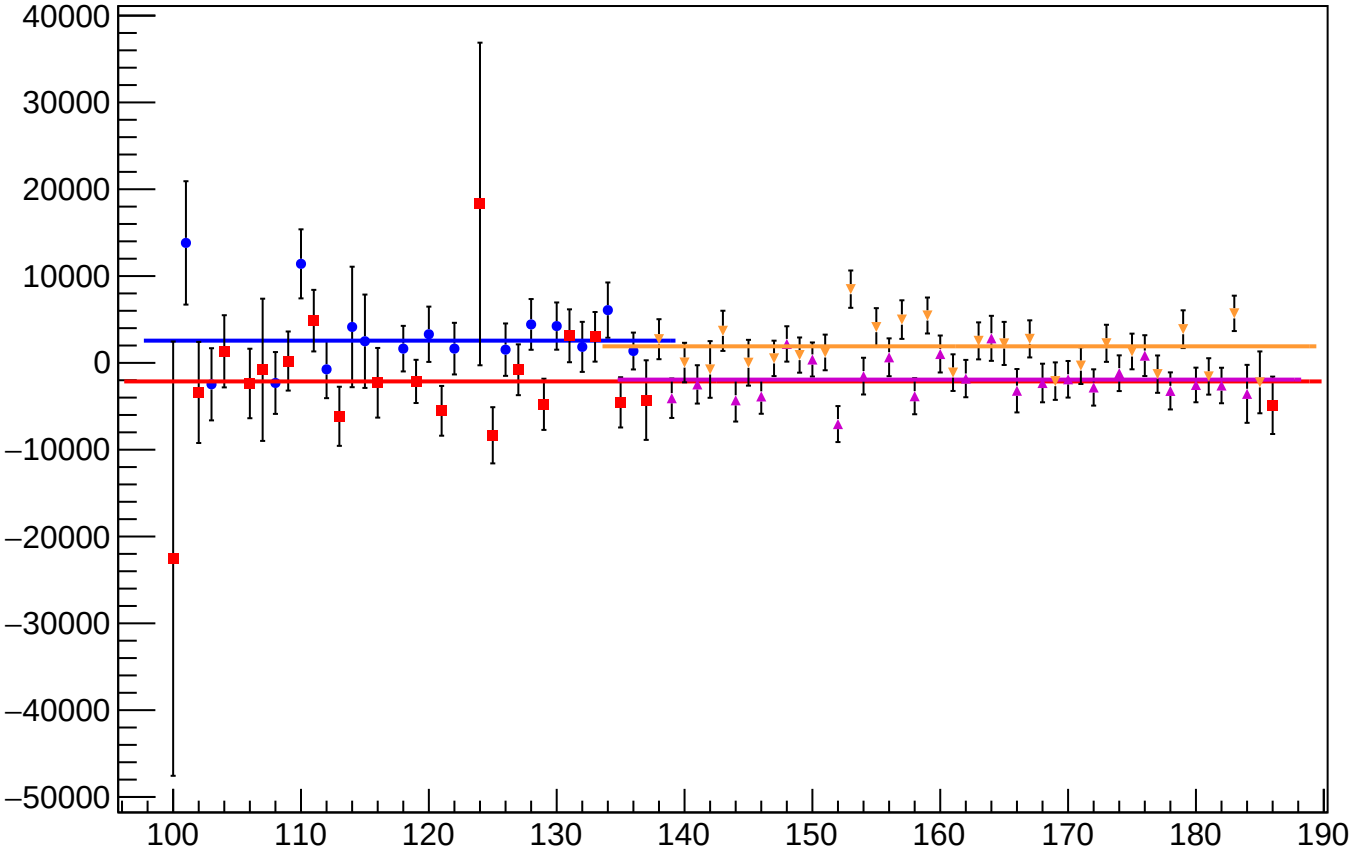
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 499.656+/-0.077 χ^2/NDF: 9778862.8/40

All: 490.578+/-0.054 χ^2/NDF: 20722182.4/83

- sign 481.737+/-0.076 χ^2/NDF: 10915531.8/42

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -2135.582+/-794.816 χ^2/NDF: 22.3/19

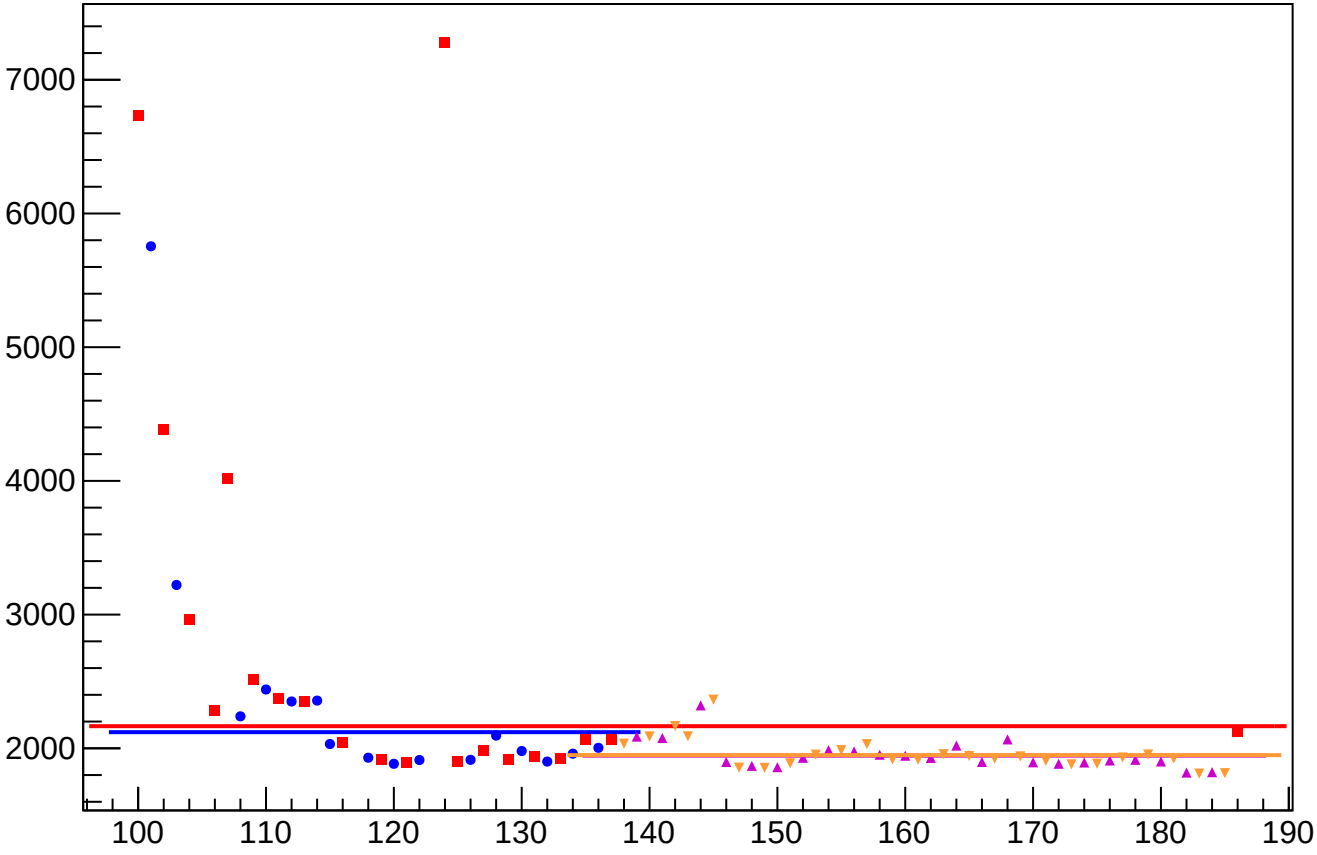
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2058.229+/-388.984 χ^2/NDF: 51.4/40

All: 69.976+/-277.085 χ^2/NDF: 151.6/83

- sign -1978.138+/-394.796 χ^2/NDF: 47.1/42

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

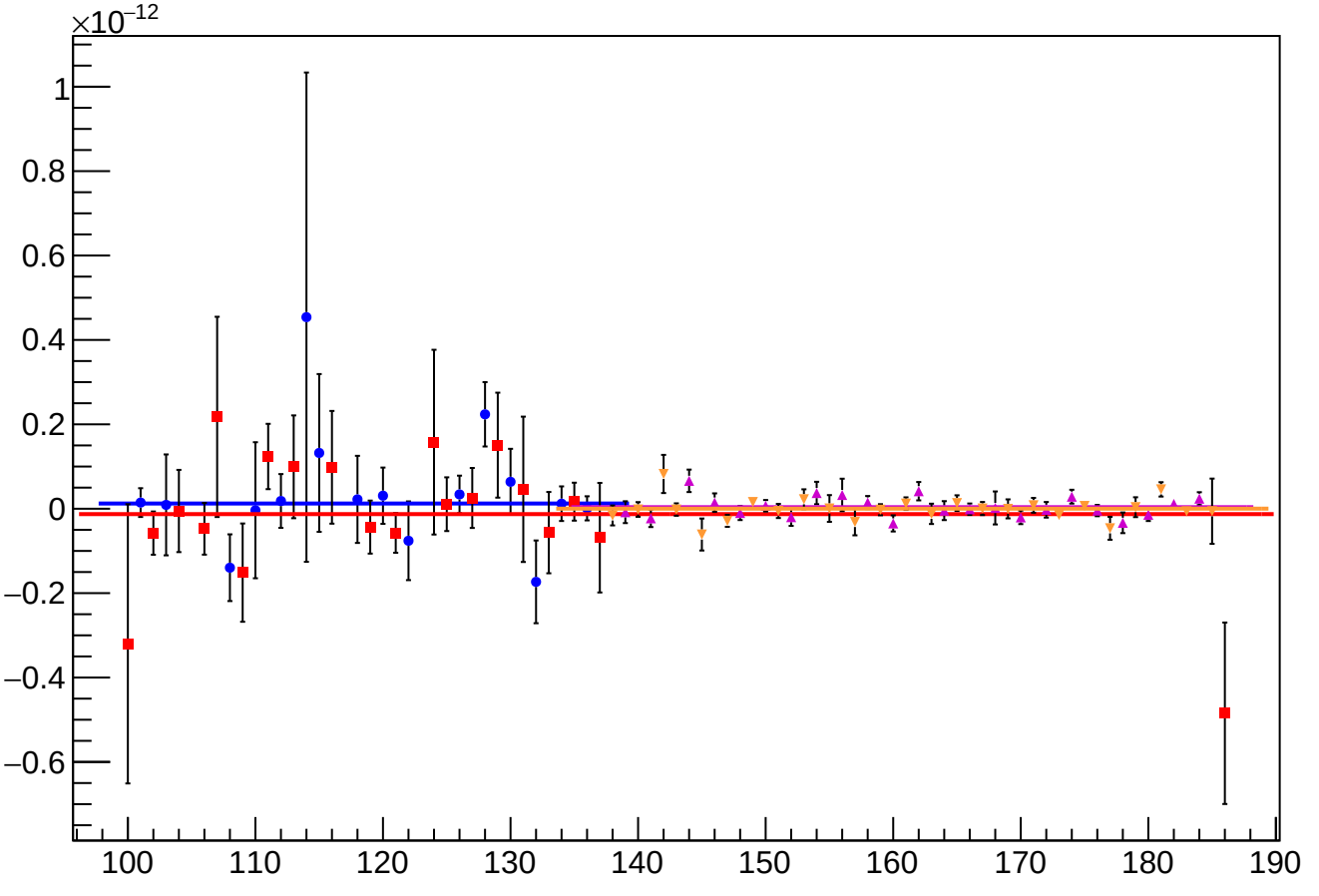
Right Out: 2165.444+/-0.562 χ^2/NDF: 824221.7/19

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 1988.650+/-0.275 χ^2/NDF: 937737.5/40

All: 1993.989+/-0.196 χ^2/NDF: 1974430.4/83

- sign 1999.489+/-0.279 χ^2/NDF: 1035927.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

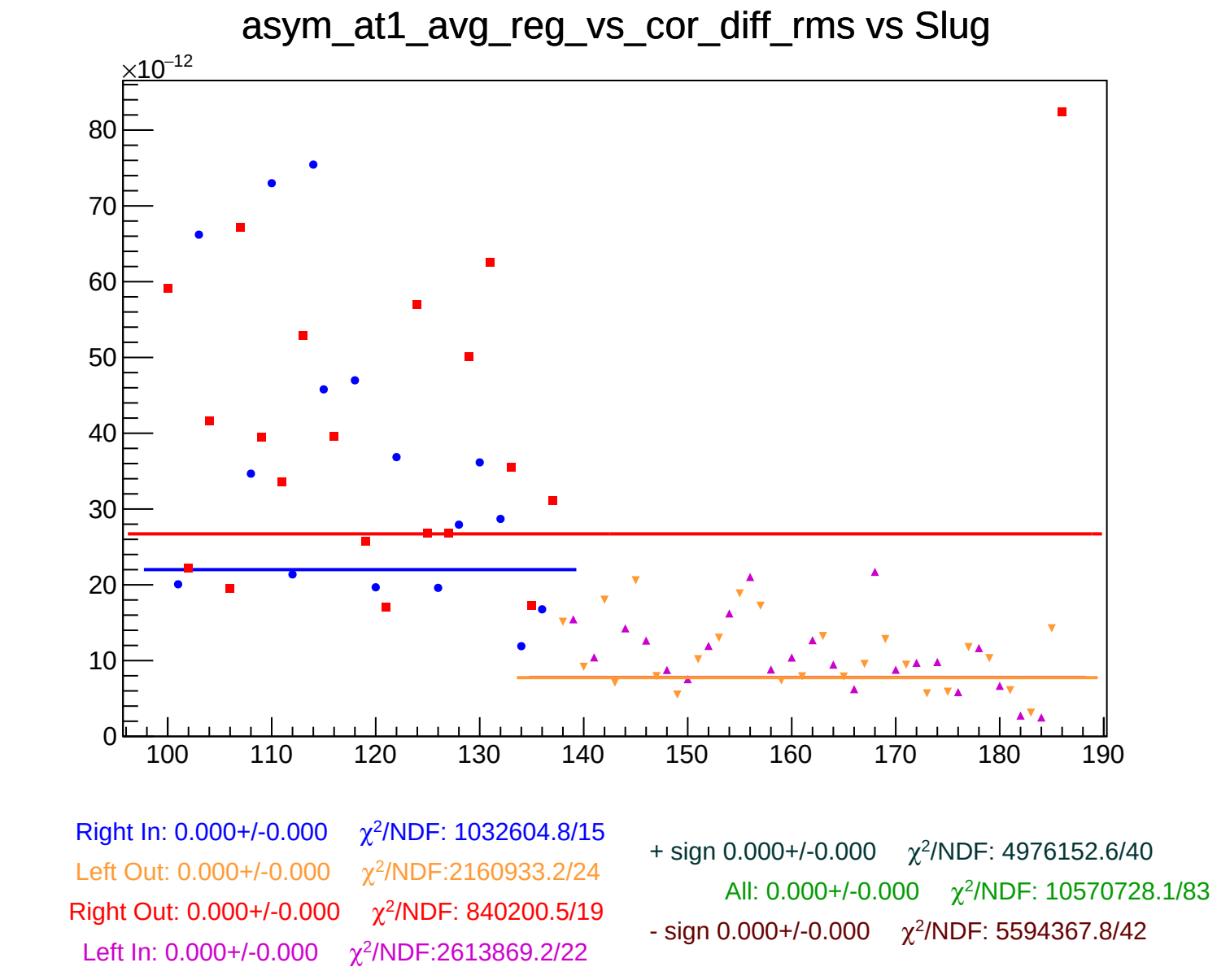
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/19

Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

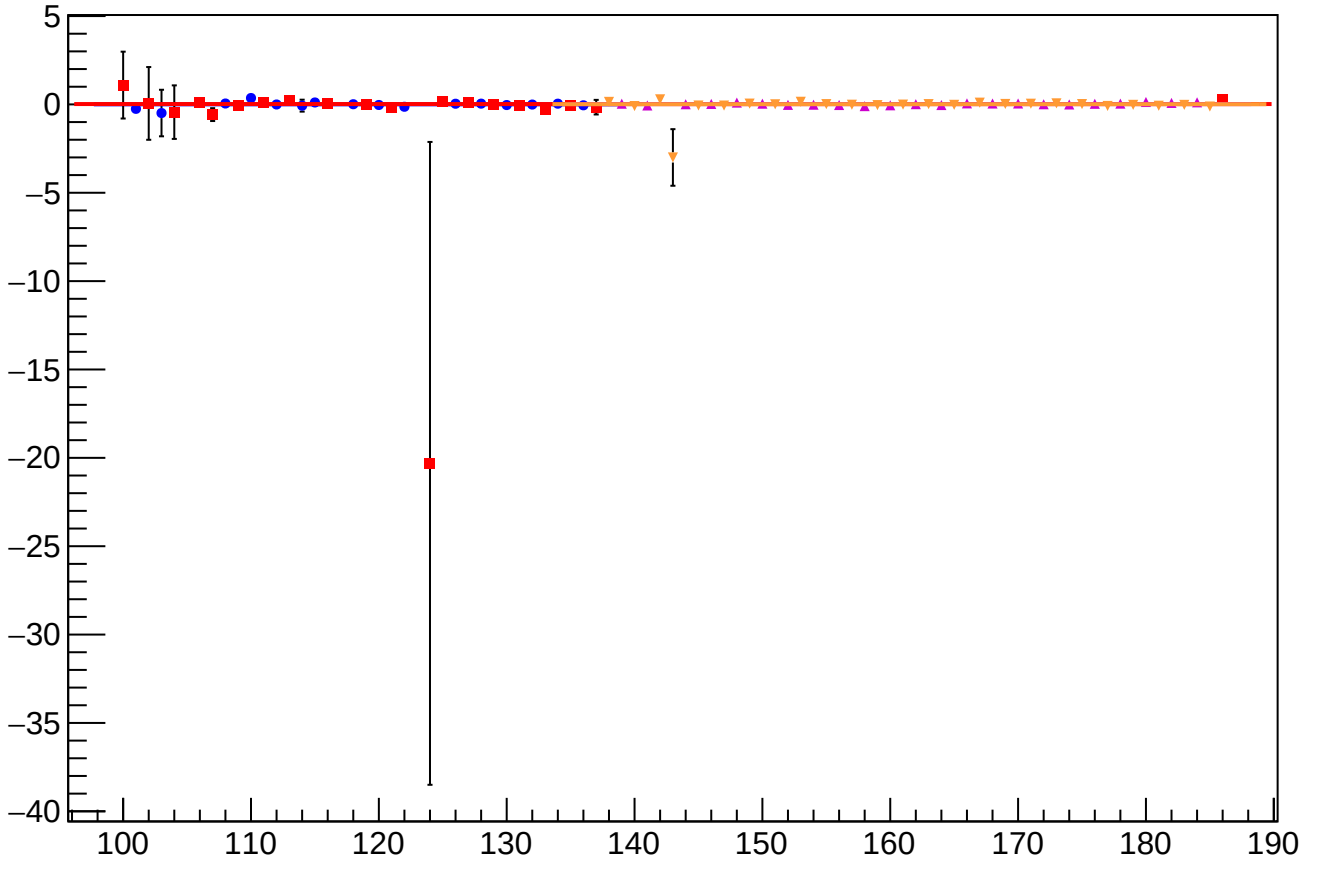
+ sign 0.000+/-0.000 χ^2/NDF: 47.1/40

All: 0.000+/-0.000 χ^2/NDF: 97.9/83

- sign 0.000+/-0.000 χ^2/NDF: 50.5/42


asym_at1_avg_reg_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: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 840200.5/19
Left In: 0.000+/-0.000 χ²/NDF:2613869.2/22
+ sign 0.000+/-0.000 χ²/NDF: 4976152.6/40
All: 0.000+/-0.000 χ²/NDF: 10570728.1/83
- sign 0.000+/-0.000 χ²/NDF: 5594367.8/42

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.020+/-0.026 χ^2/NDF: 20.5/19

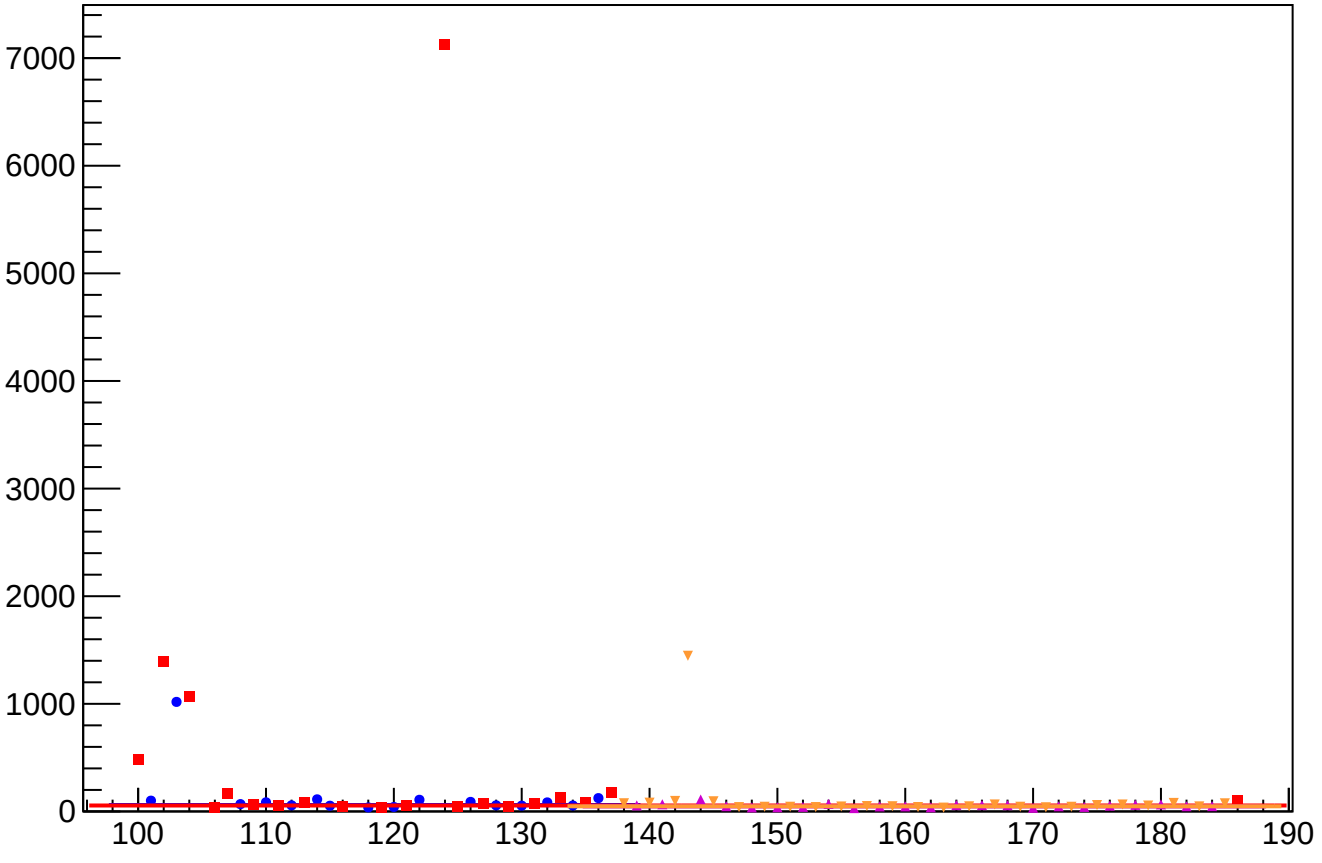
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.010+/-0.011 χ^2/NDF: 41.1/40

All: 0.014+/-0.008 χ^2/NDF: 82.2/83

- sign 0.018+/-0.011 χ^2/NDF: 40.9/42

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

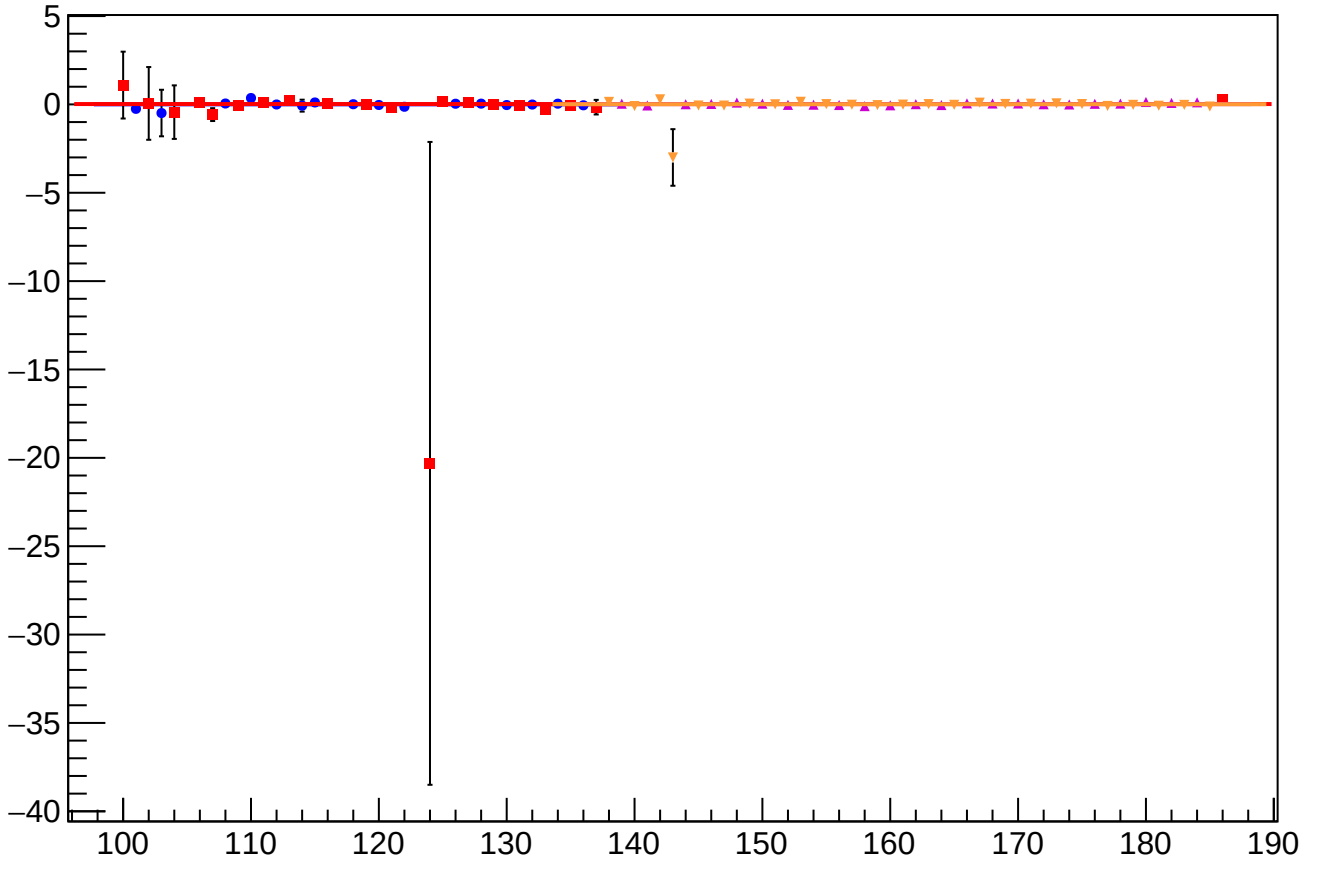
Right Out: 55.406+/-0.018 χ^2/NDF: 3690044.9/19

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.029+/-0.008 χ^2/NDF: 6363613.6/40

All: 49.199+/-0.006 χ^2/NDF: 12210032.9/83

- sign 48.403+/-0.008 χ^2/NDF: 5825210.3/42



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.020+/-0.026 χ^2/NDF: 20.5/19

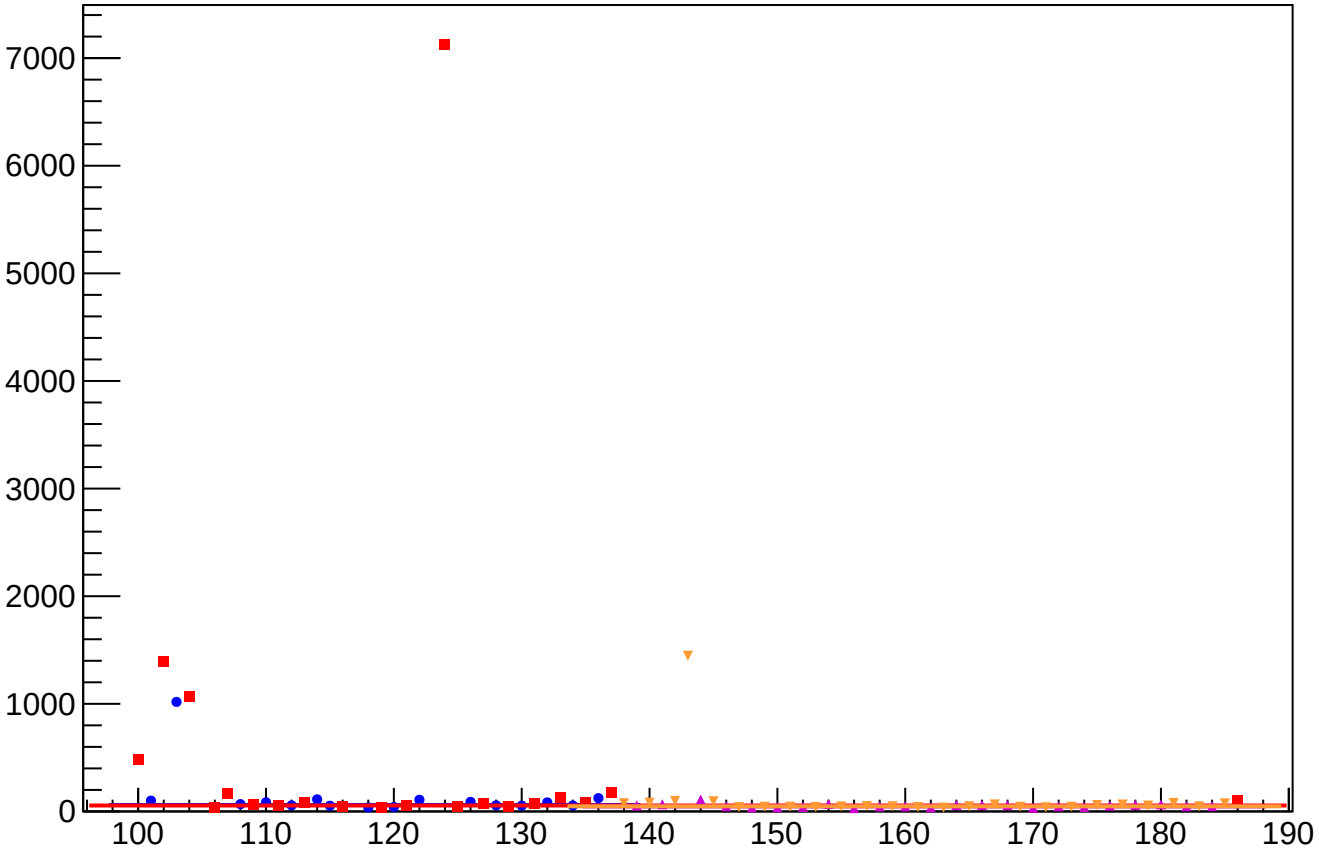
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.010+/-0.011 χ^2/NDF: 41.1/40

All: 0.014+/-0.008 χ^2/NDF: 82.2/83

- sign 0.018+/-0.011 χ^2/NDF: 40.9/42

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

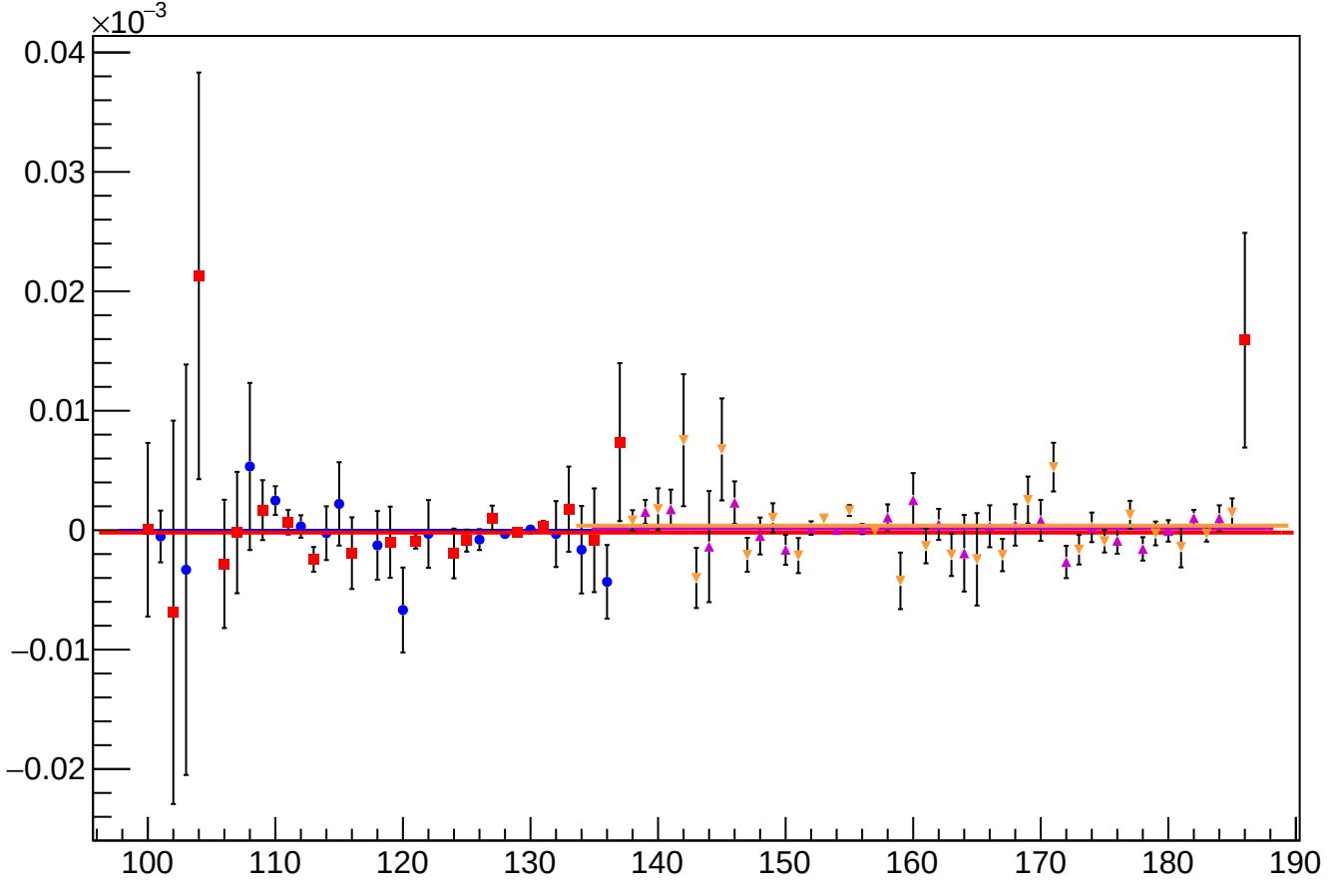
Right Out: 55.406+/-0.018 χ^2/NDF: 3690044.9/19

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.029+/-0.008 χ^2/NDF: 6363613.6/40

All: 49.199+/-0.006 χ^2/NDF: 12210032.9/83

- sign 48.403+/-0.008 χ^2/NDF: 5825210.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/19

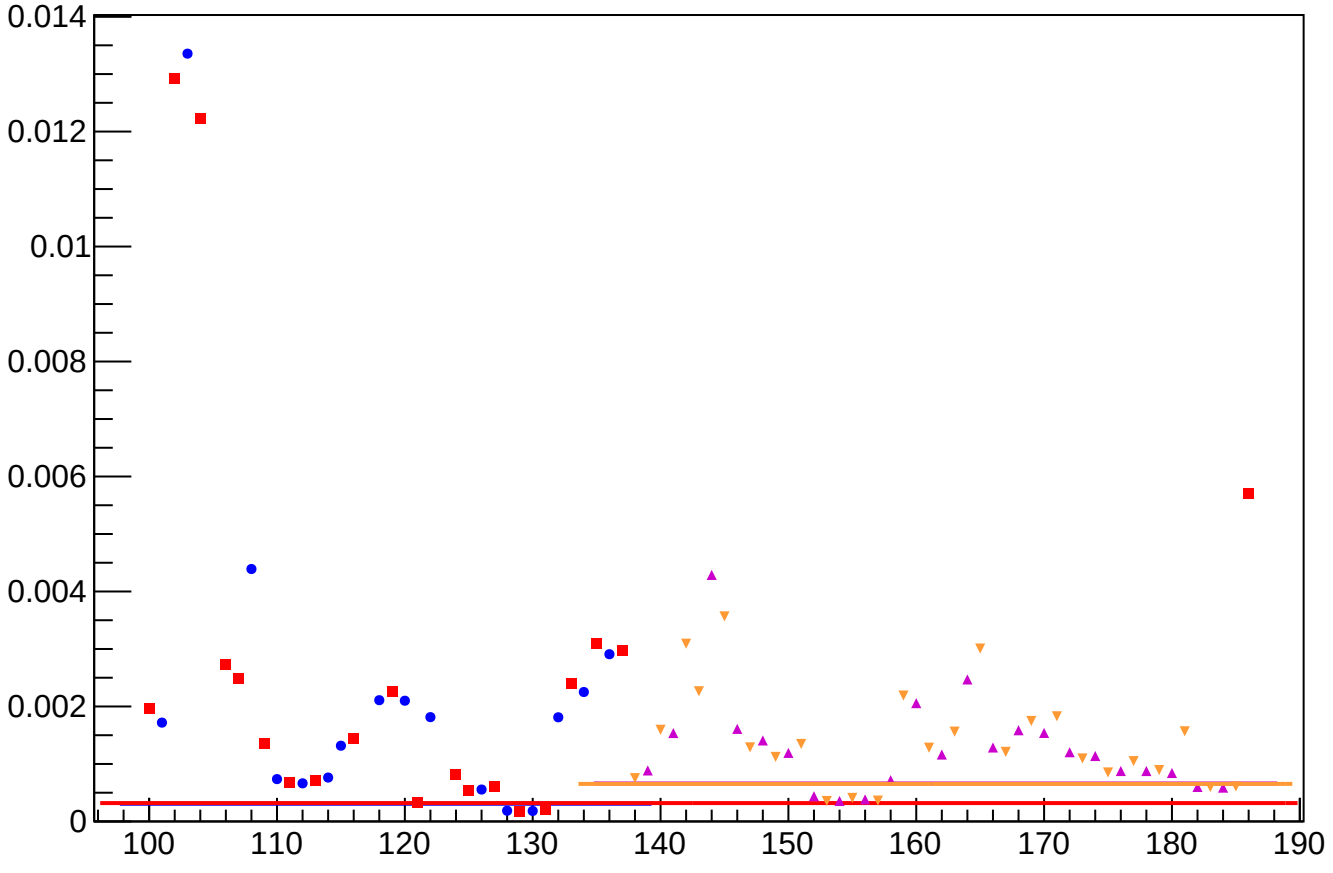
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.1/40

All: 0.000+/-0.000 χ^2/NDF: 108.6/83

- 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: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

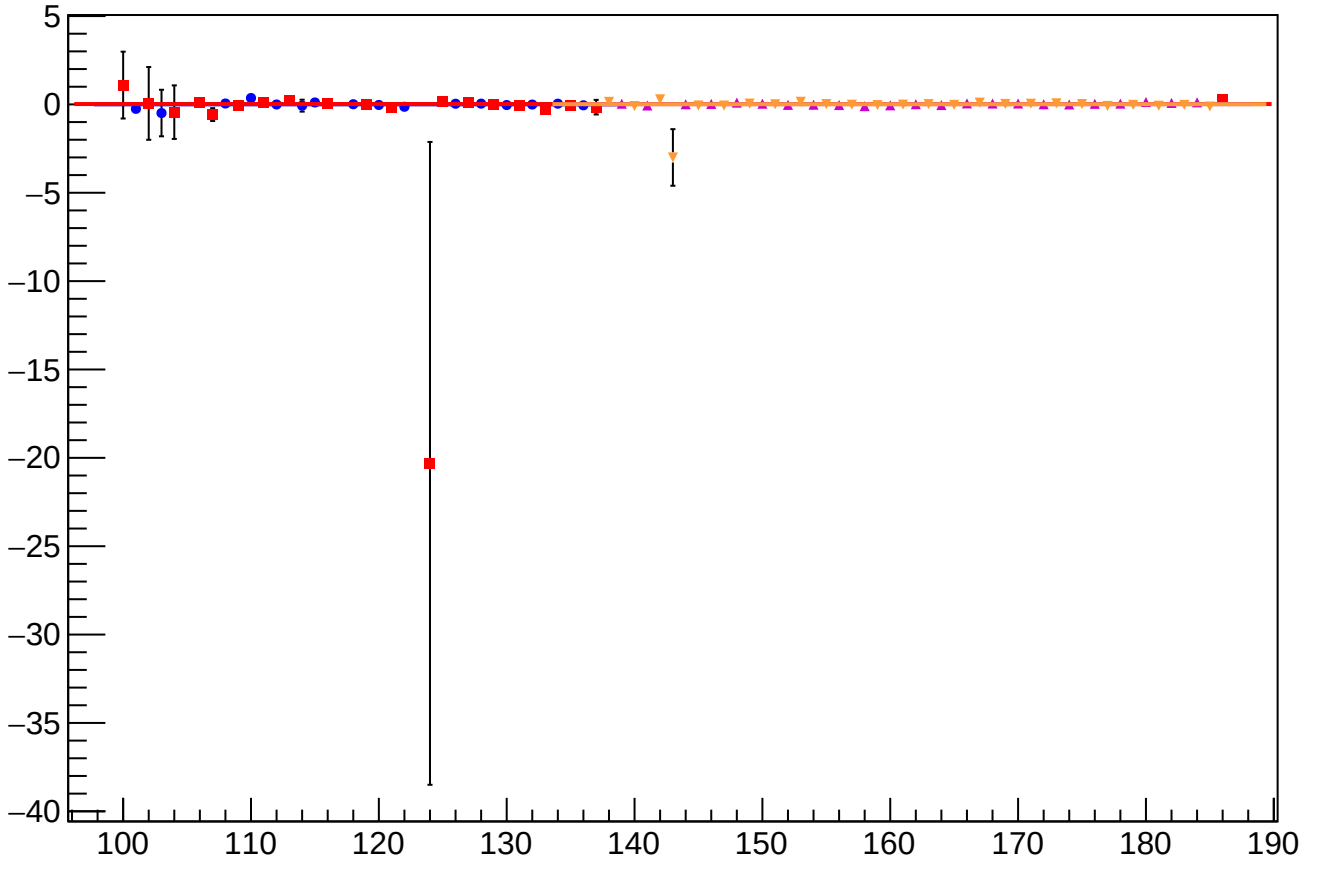
Right Out: 0.000+/-0.000 χ^2/NDF: 8732251.4/19

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 24214135.3/40

All: 0.000+/-0.000 χ^2/NDF: 45855775.0/83

- sign 0.000+/-0.000 χ^2/NDF: 21641019.0/42



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.020+/-0.025 χ^2/NDF: 20.5/19

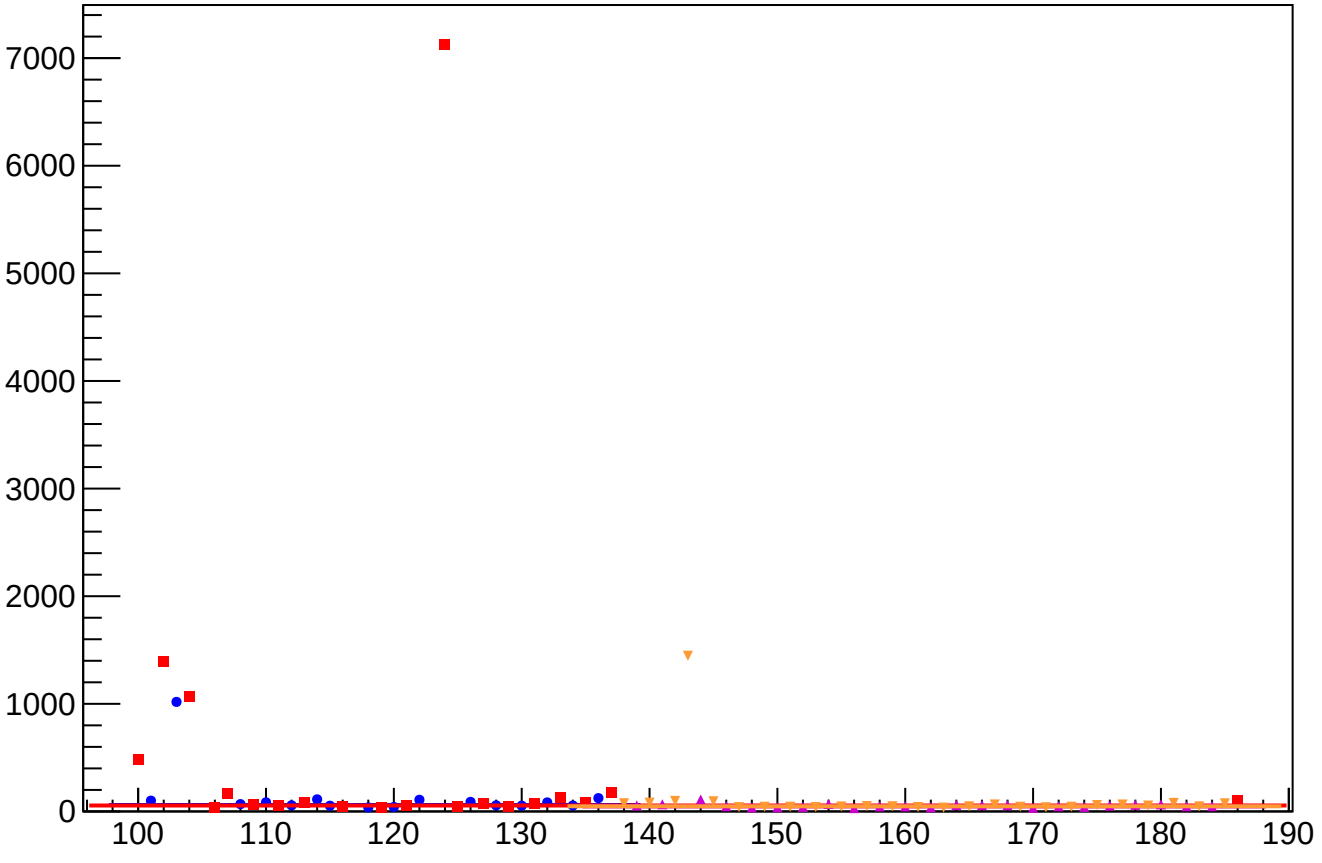
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.010+/-0.011 χ^2/NDF: 41.1/40

All: 0.014+/-0.008 χ^2/NDF: 82.2/83

- sign 0.018+/-0.011 χ^2/NDF: 40.9/42

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

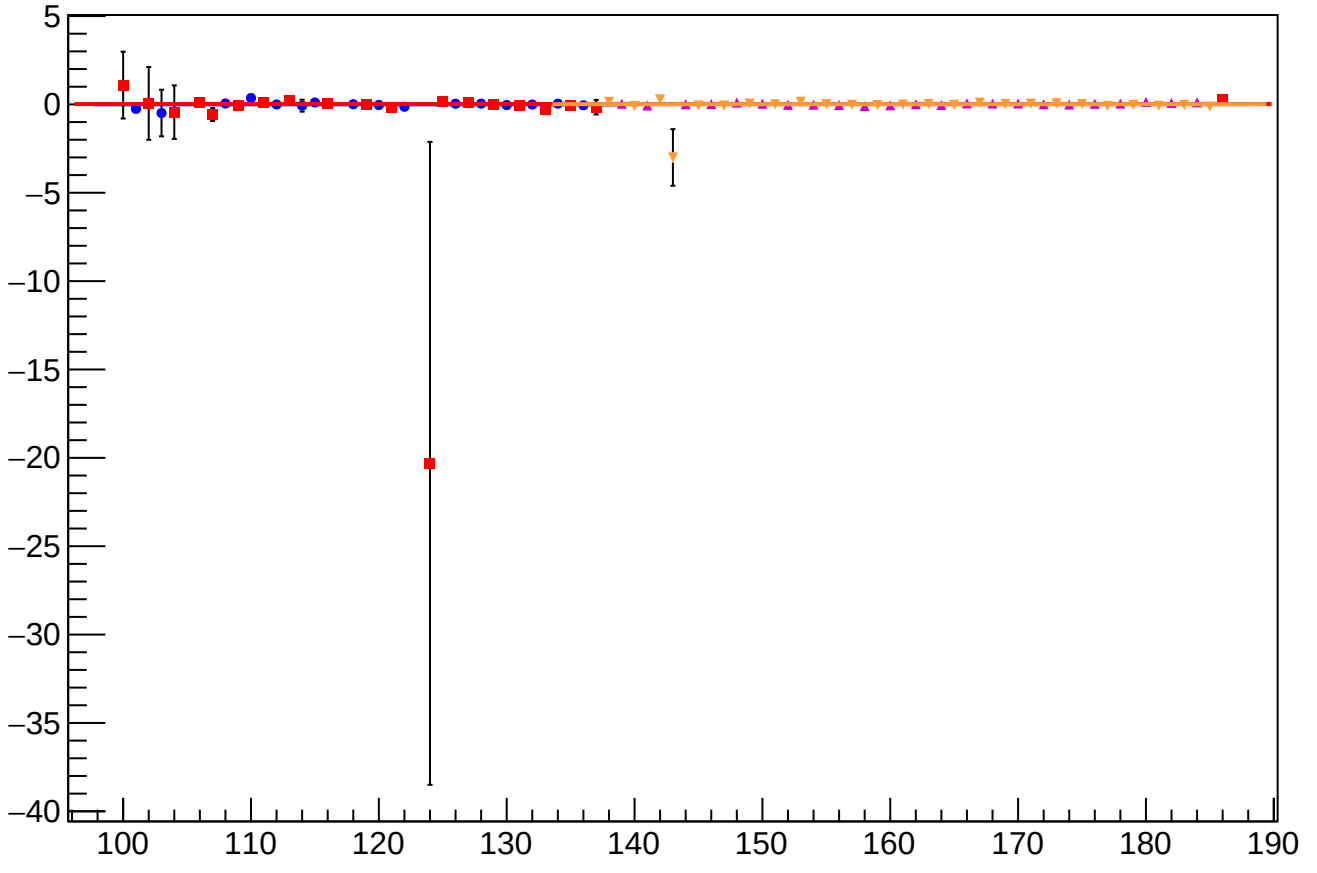
Right Out: 55.405+/-0.018 χ^2/NDF: 3690127.6/19

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.029+/-0.008 χ^2/NDF: 6363580.9/40

All: 49.199+/-0.006 χ^2/NDF: 12210045.5/83

- sign 48.403+/-0.008 χ^2/NDF: 5825246.9/42



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

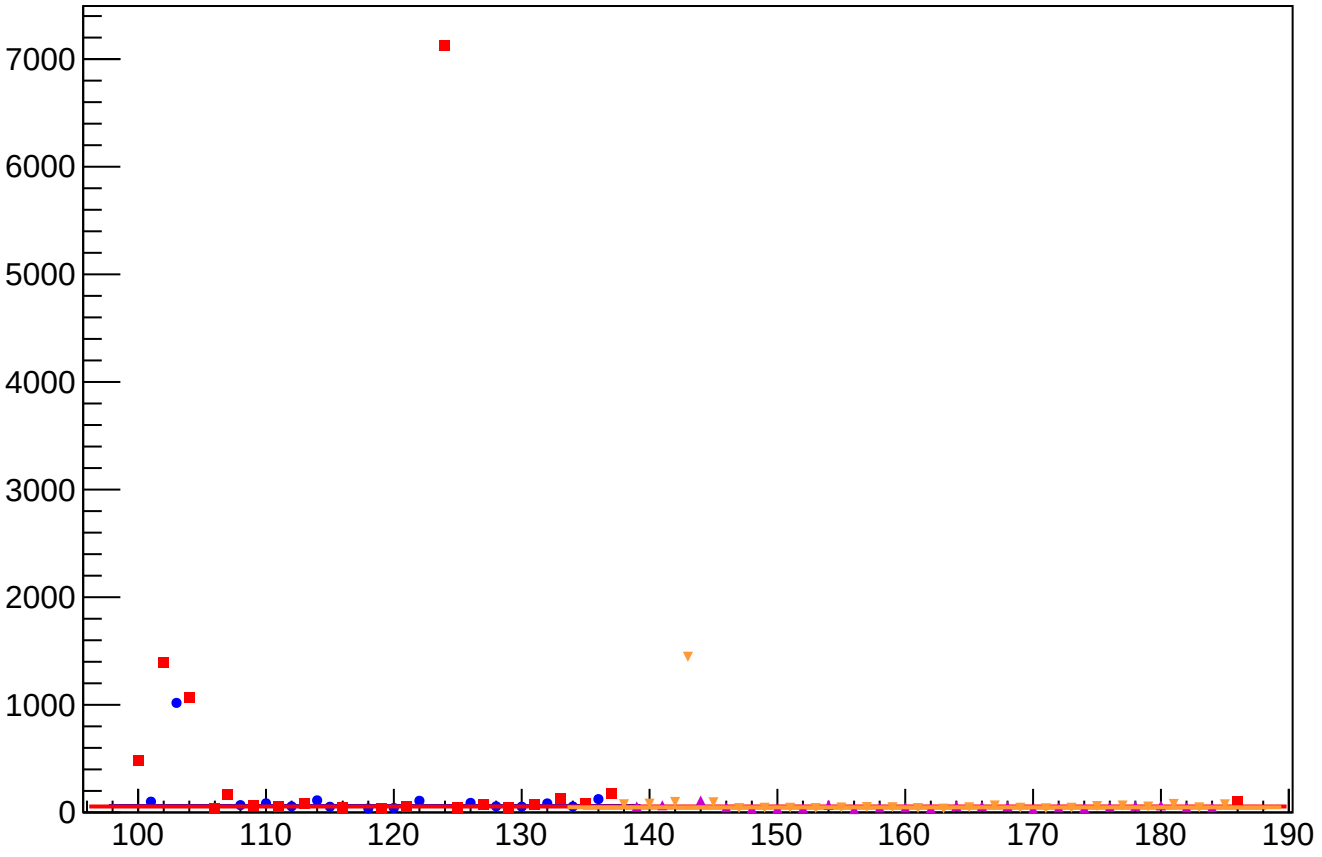
Right Out: 0.020+/-0.025 χ^2/NDF: 20.5/19

Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.010+/-0.011 χ^2/NDF: 41.1/40

All: 0.014+/-0.008 χ^2/NDF: 82.2/83

- sign 0.018+/-0.011 χ^2/NDF: 40.9/42



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

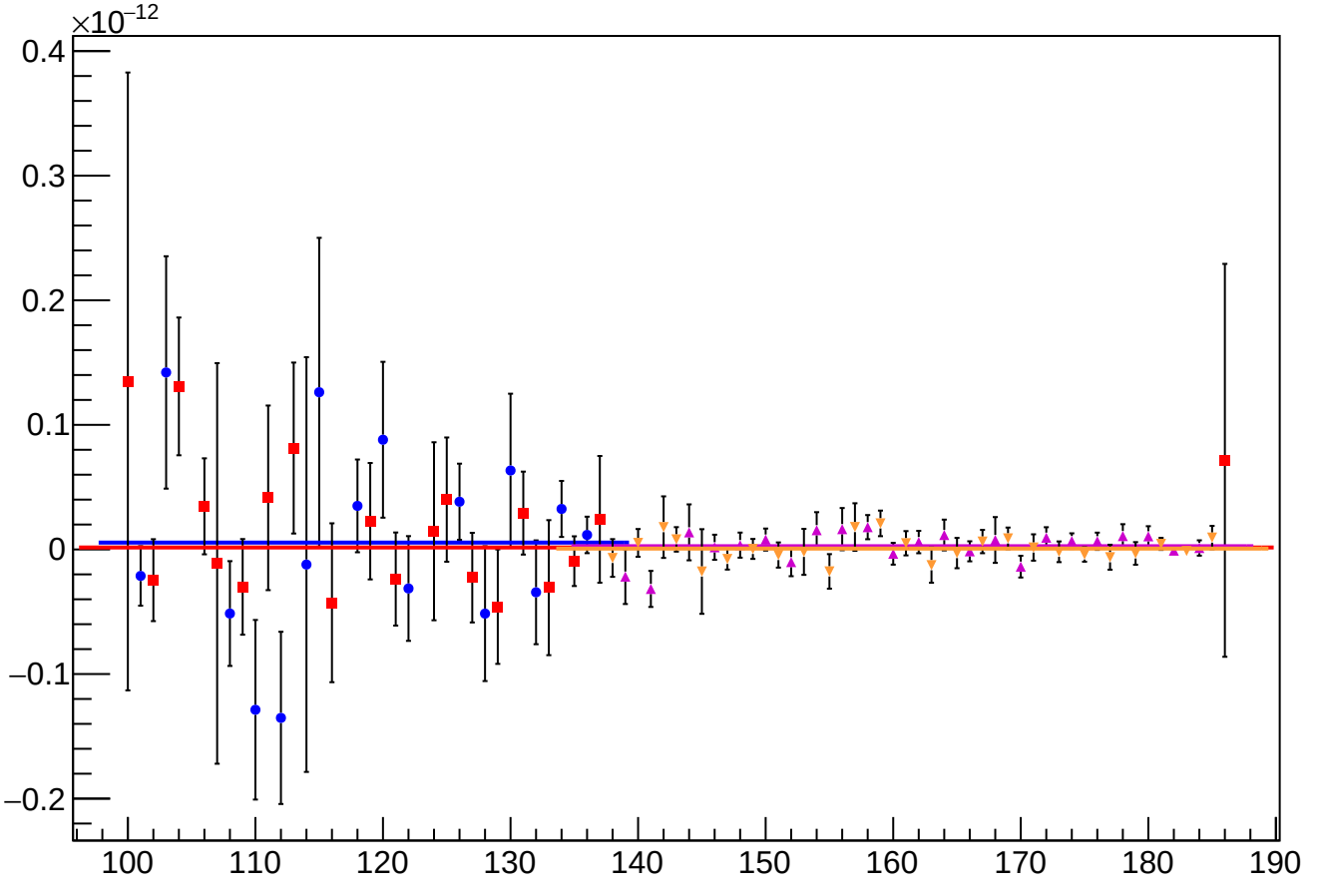
Right Out: 55.405+/-0.018 χ^2/NDF: 3690127.6/19

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.029+/-0.008 χ^2/NDF: 6363580.9/40

All: 49.199+/-0.006 χ^2/NDF: 12210045.5/83

- sign 48.403+/-0.008 χ^2/NDF: 5825246.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/19

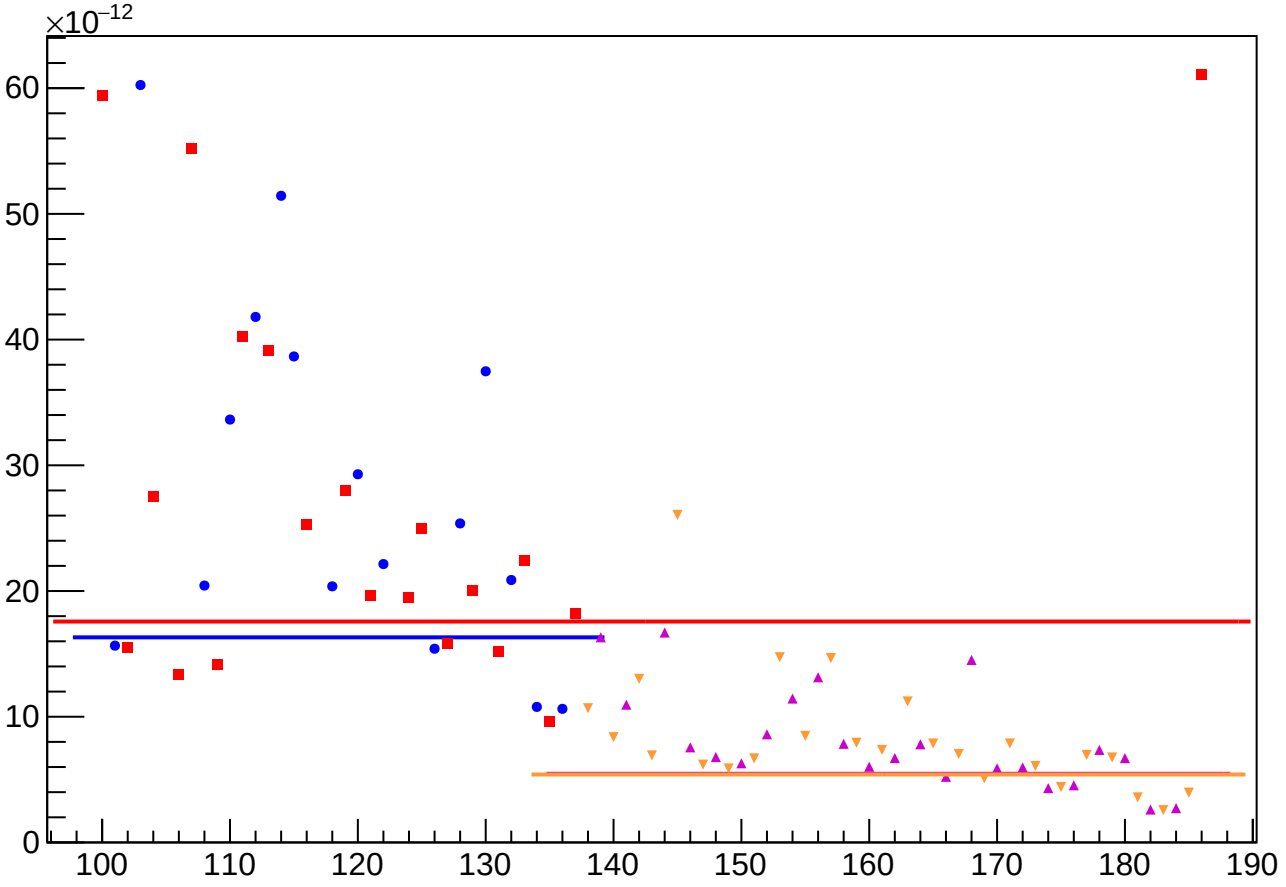
Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.0/40

All: 0.000+/-0.000 χ^2/NDF: 74.8/83

- sign 0.000+/-0.000 χ^2/NDF: 36.3/42

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1350081.7/19

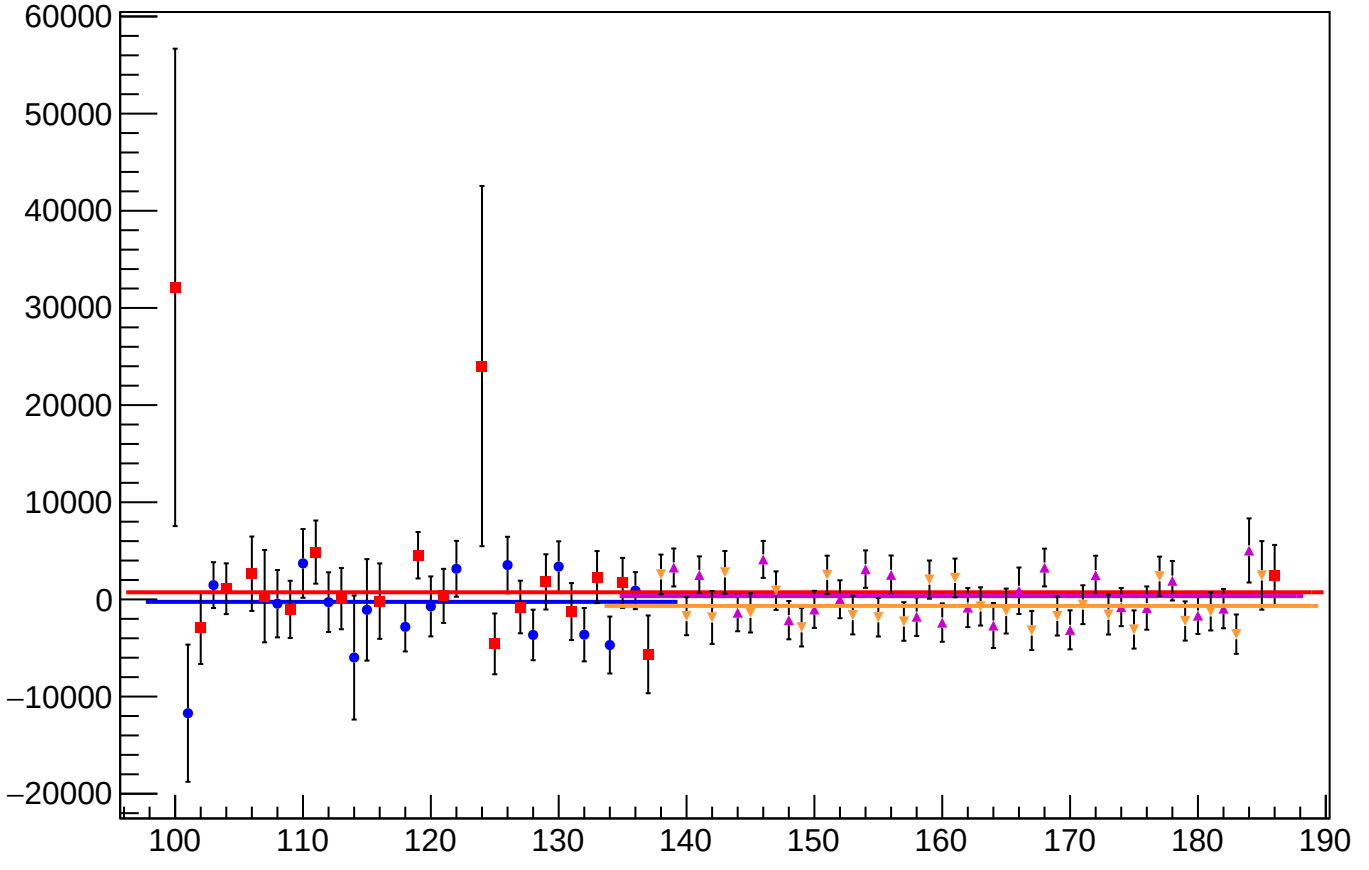
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 10094320.0/40

All: 0.000+/-0.000 χ^2/NDF: 19333268.0/83

- sign 0.000+/-0.000 χ^2/NDF: 9238561.2/42

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 734.474+/-715.767 χ^2/NDF: 16.2/19

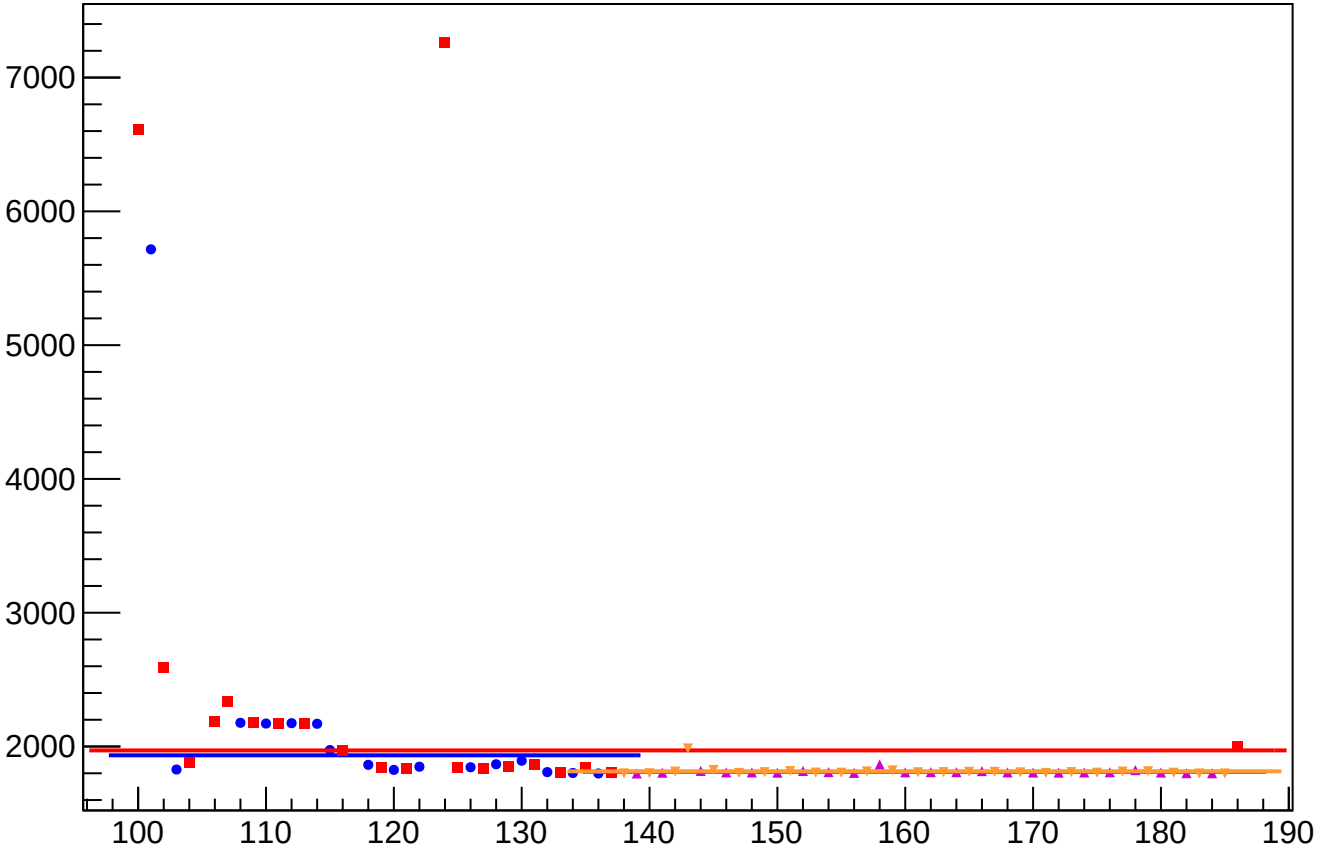
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -569.872+/-359.539 χ^2/NDF: 42.2/40

All: -69.063+/-255.787 χ^2/NDF: 92.7/83

- sign 444.189+/-363.978 χ^2/NDF: 46.5/42

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1970.956+/-0.506 χ^2/NDF: 378593.4/19

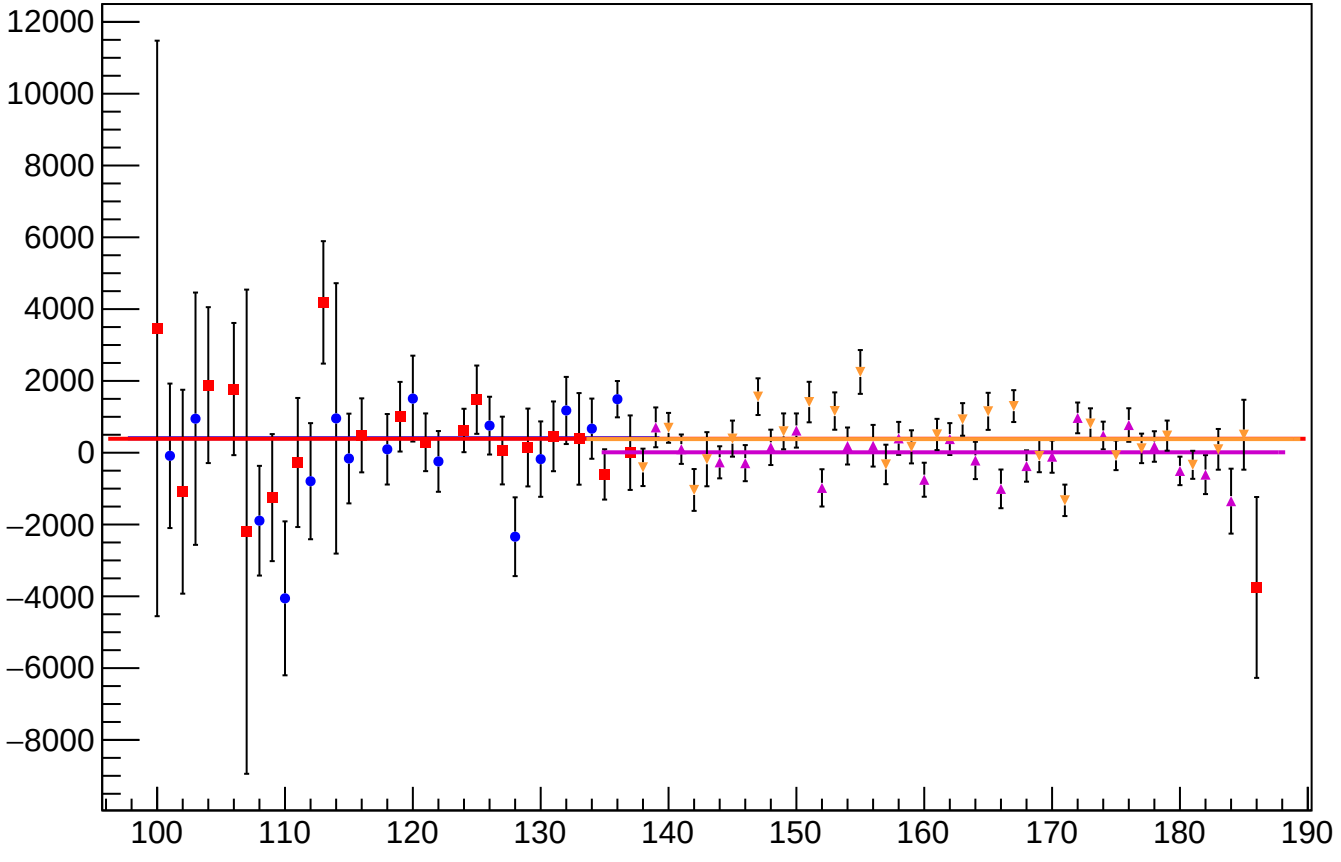
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1843.088+/-0.254 χ^2/NDF: 693421.0/40

All: 1847.470+/-0.181 χ^2/NDF: 1149140.2/83

- sign 1851.960+/-0.257 χ^2/NDF: 455117.7/42

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 388.356+/-251.560 χ^2/NDF: 14.5/19

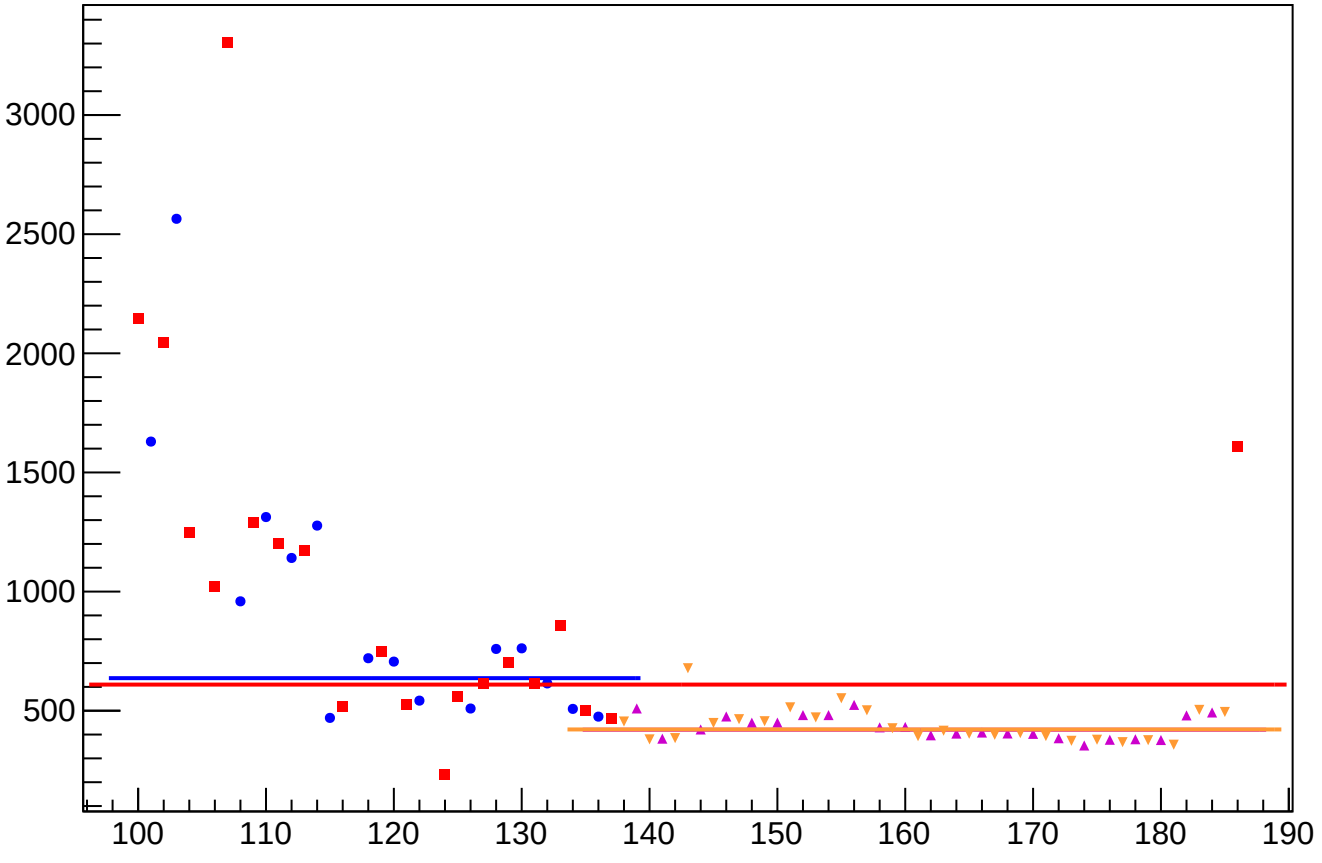
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 382.225+/-90.831 χ^2/NDF: 83.5/40

All: 224.361+/-64.672 χ^2/NDF: 137.1/83

- sign 62.042+/-92.103 χ^2/NDF: 47.5/42

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 609.710+/-0.178 χ^2/NDF: 3262832.8/19

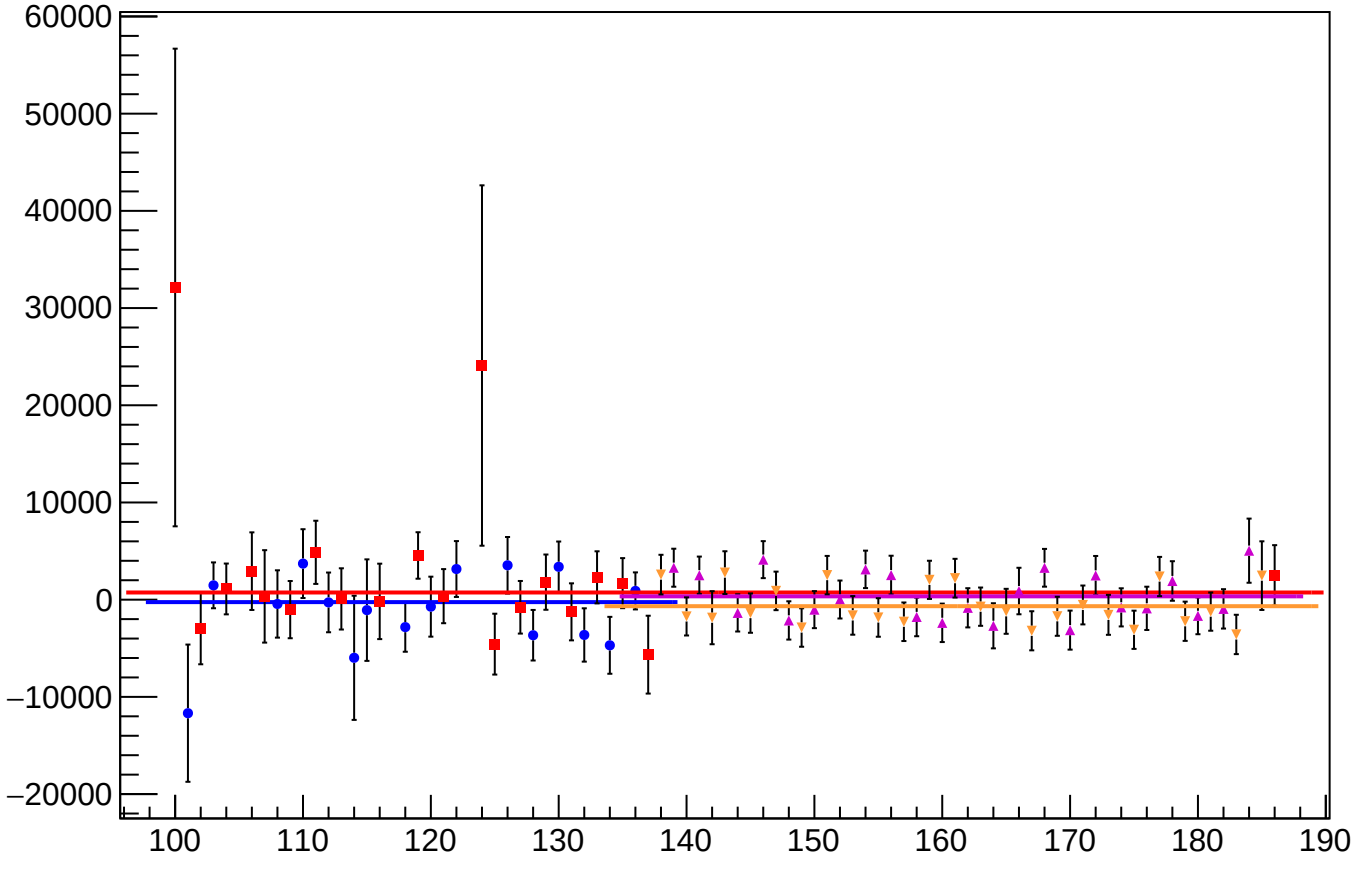
Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 447.981+/-0.064 χ^2/NDF: 4025244.2/40

All: 446.819+/-0.046 χ^2/NDF: 8684525.0/83

- sign 445.623+/-0.065 χ^2/NDF: 4658616.2/42

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 739.281+/-716.755 χ^2/NDF: 16.3/19

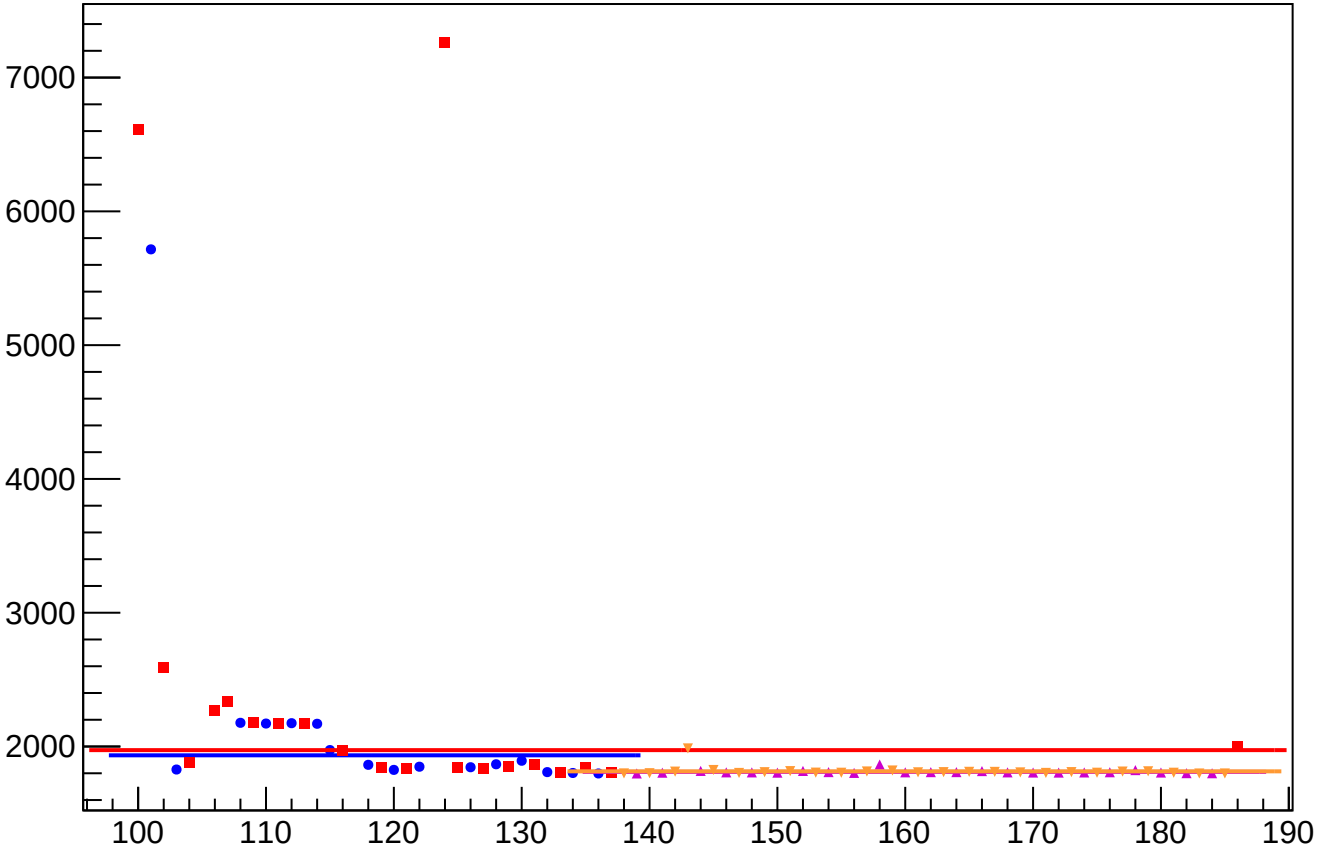
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -569.671+/-359.539 χ^2/NDF: 42.2/40

All: -68.615+/-255.832 χ^2/NDF: 92.8/83

- sign 445.256+/-364.107 χ^2/NDF: 46.6/42

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1972.999+/-0.507 χ^2/NDF: 383364.1/19

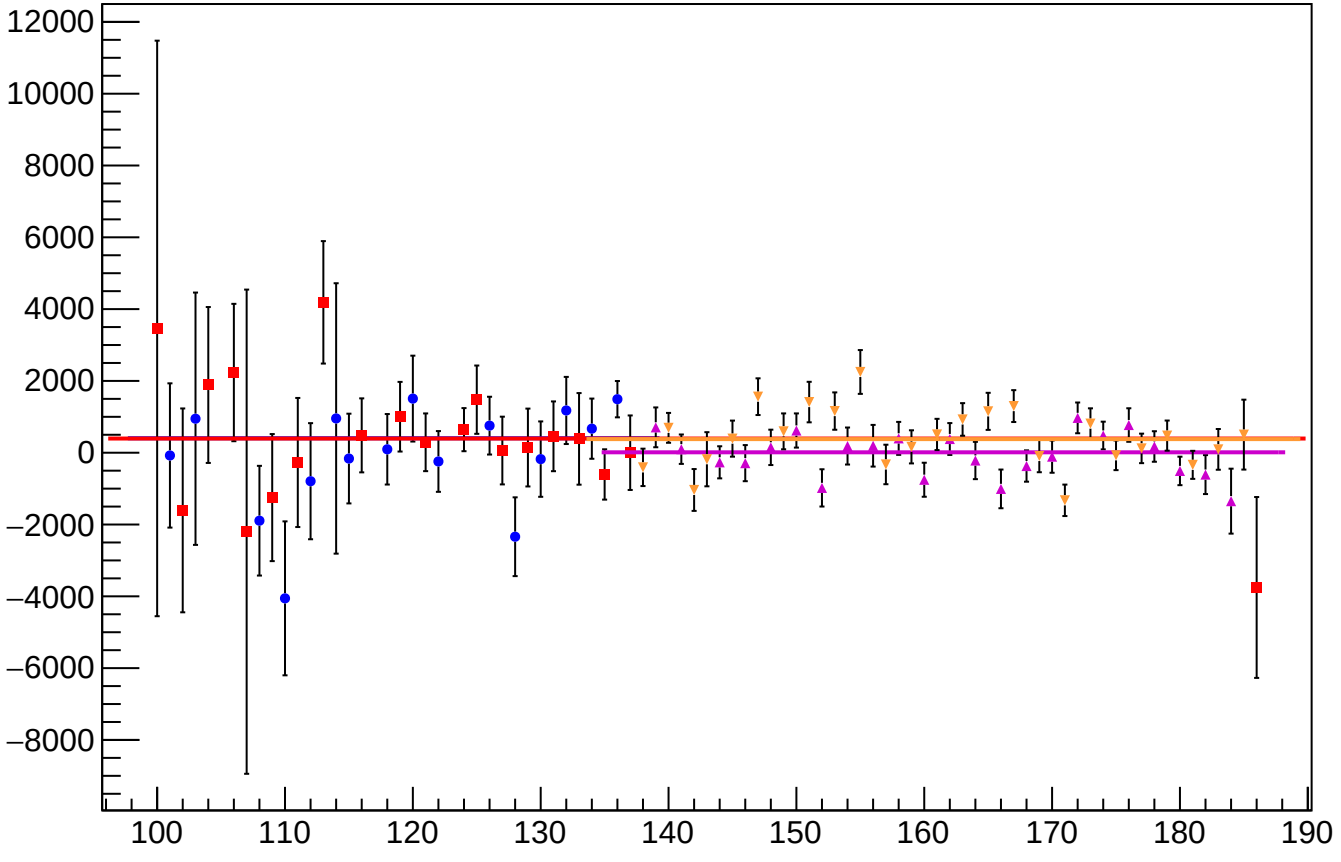
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1843.088+/-0.254 χ^2/NDF: 693420.9/40

All: 1847.687+/-0.181 χ^2/NDF: 1155726.4/83

- sign 1852.403+/-0.257 χ^2/NDF: 461642.8/42

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 394.961+/-251.411 χ^2/NDF: 15.1/19

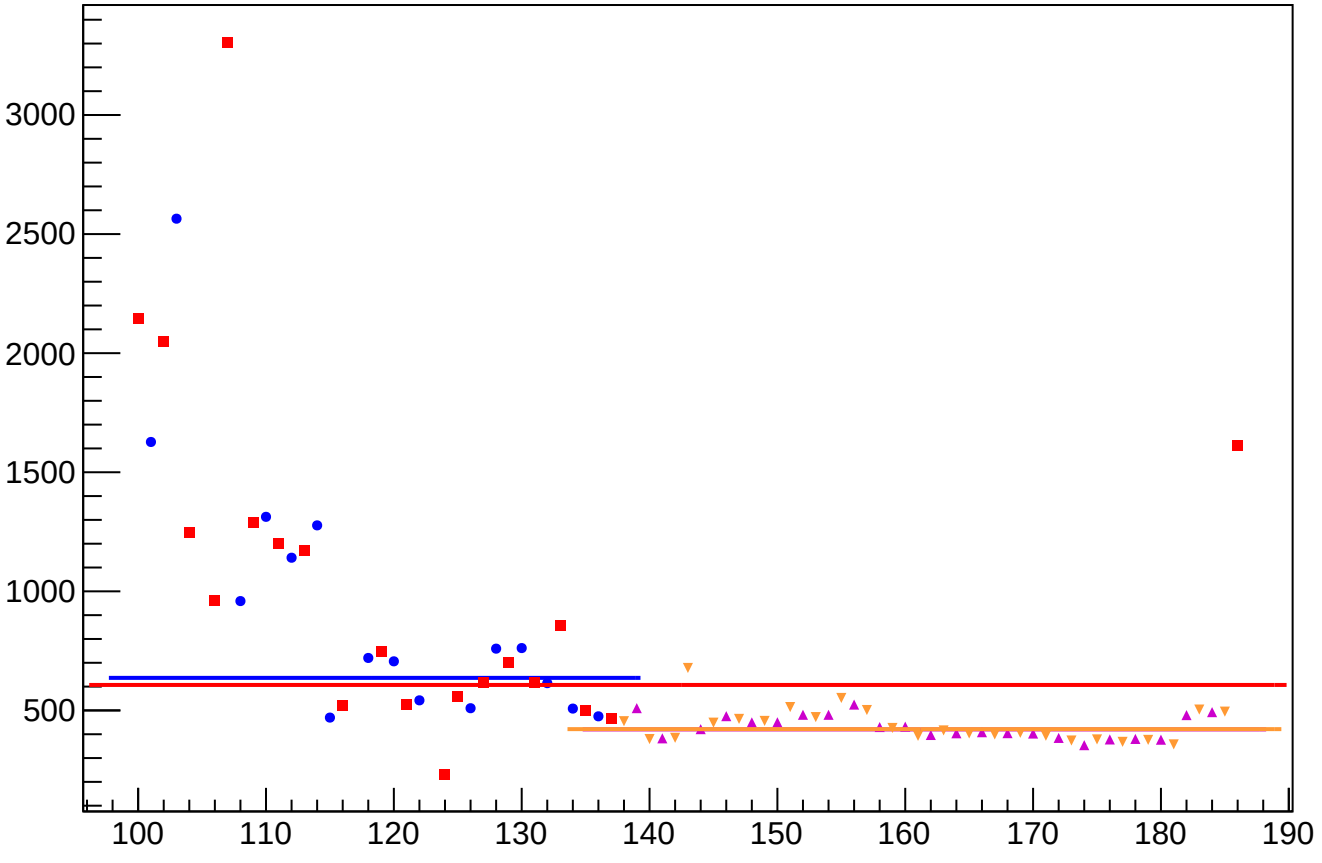
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 382.226+/-90.831 χ^2/NDF: 83.5/40

All: 224.815+/-64.670 χ^2/NDF: 137.8/83

- sign 62.989+/-92.096 χ^2/NDF: 48.2/42

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 606.956+/-0.178 χ^2/NDF: 3250920.2/19

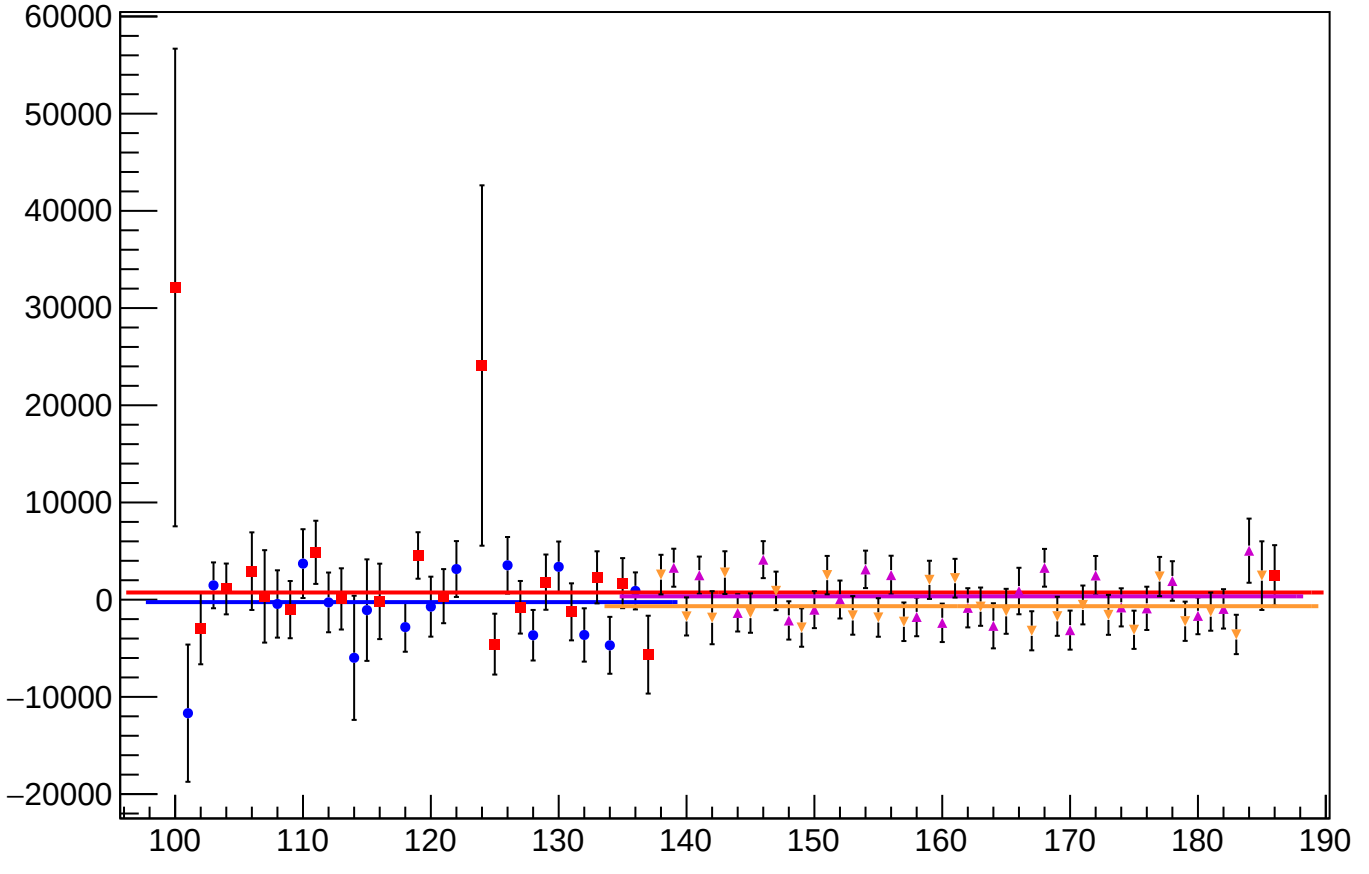
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 447.986+/-0.064 χ^2/NDF: 4024342.3/40

All: 446.650+/-0.046 χ^2/NDF: 8644636.2/83

- sign 445.276+/-0.065 χ^2/NDF: 4619415.9/42

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 739.281+/-716.755 χ^2/NDF: 16.3/19

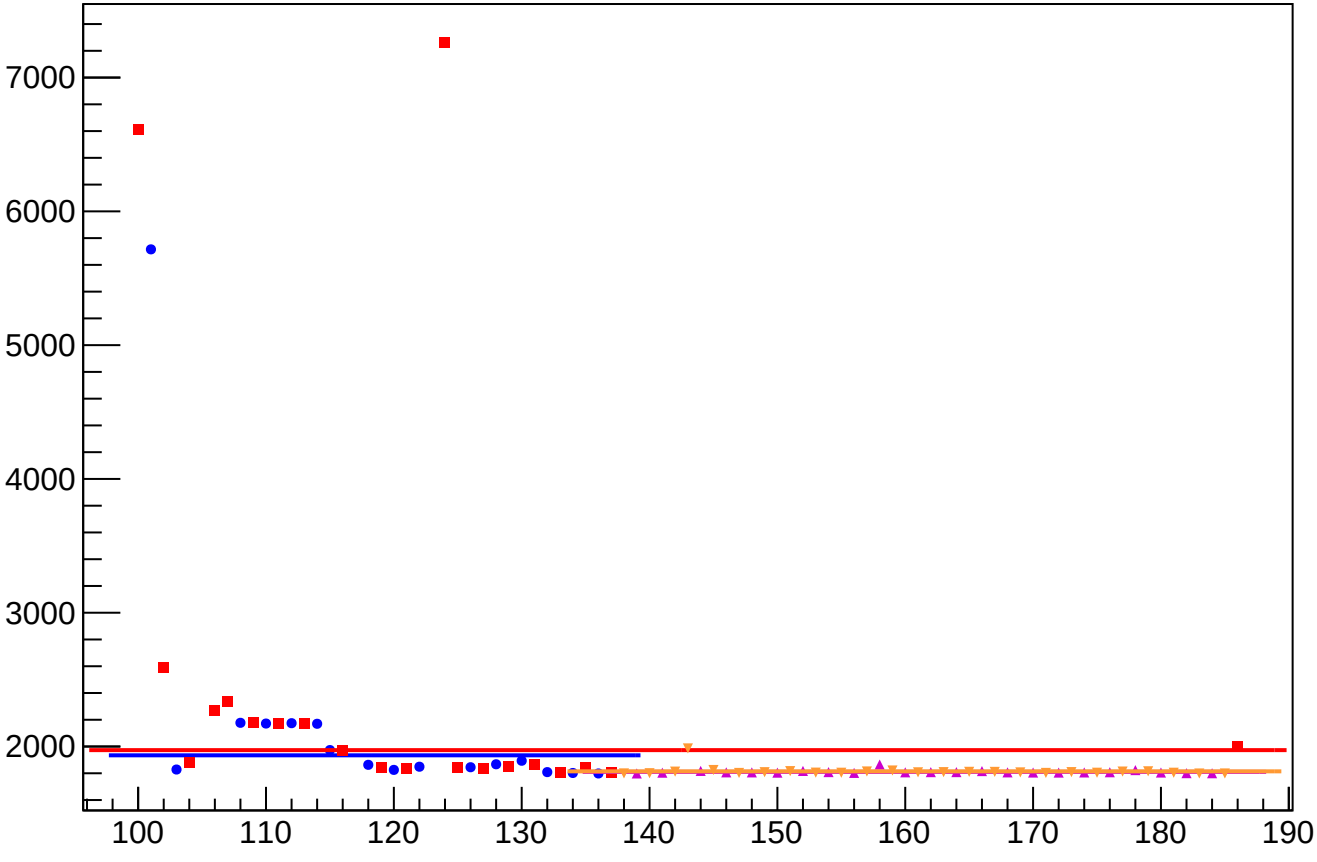
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -569.671+/-359.539 χ^2/NDF: 42.2/40

All: -68.615+/-255.832 χ^2/NDF: 92.8/83

- sign 445.256+/-364.107 χ^2/NDF: 46.6/42

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1972.999+/-0.507 χ^2/NDF: 383364.1/19

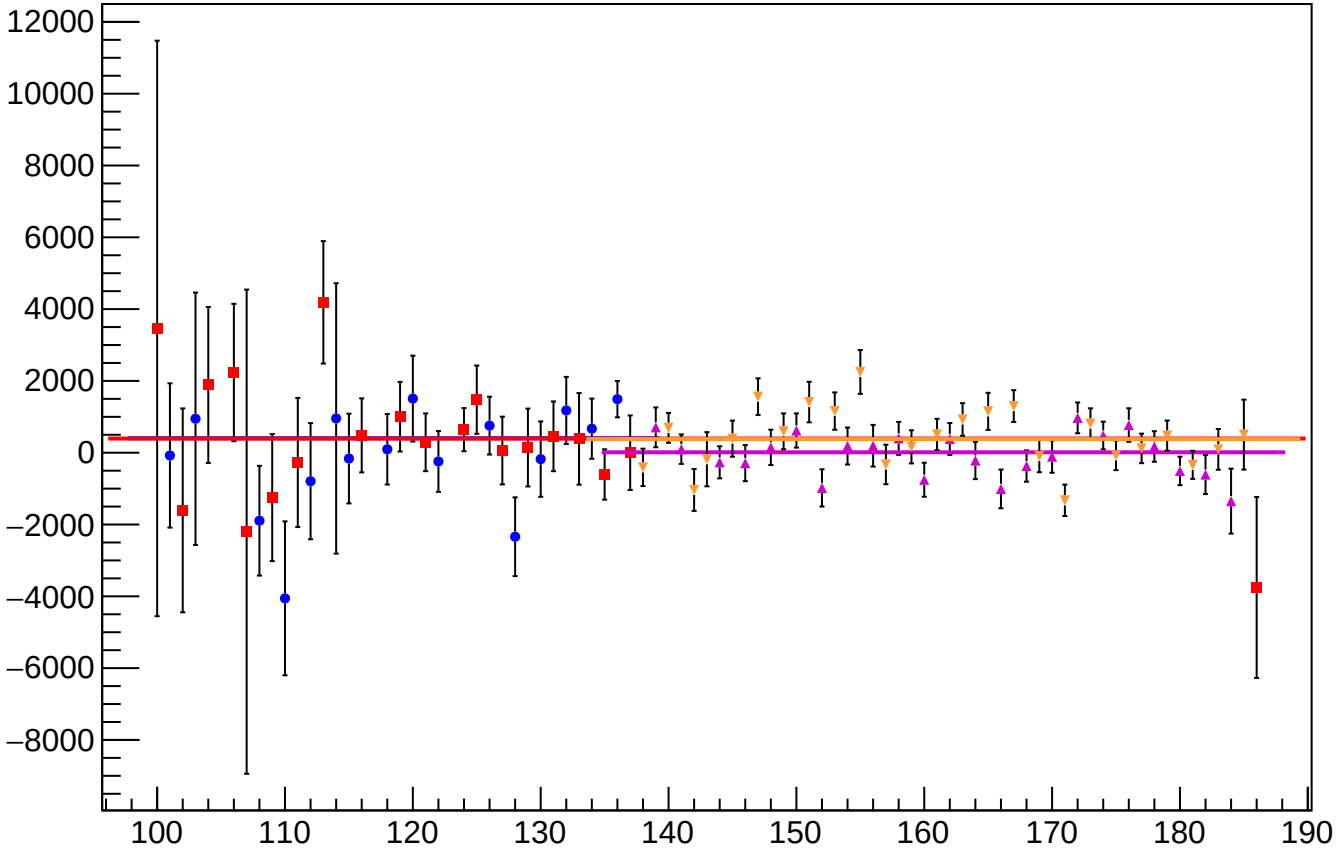
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1843.088+/-0.254 χ^2/NDF: 693420.9/40

All: 1847.687+/-0.181 χ^2/NDF: 1155726.4/83

- sign 1852.403+/-0.257 χ^2/NDF: 461642.8/42

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

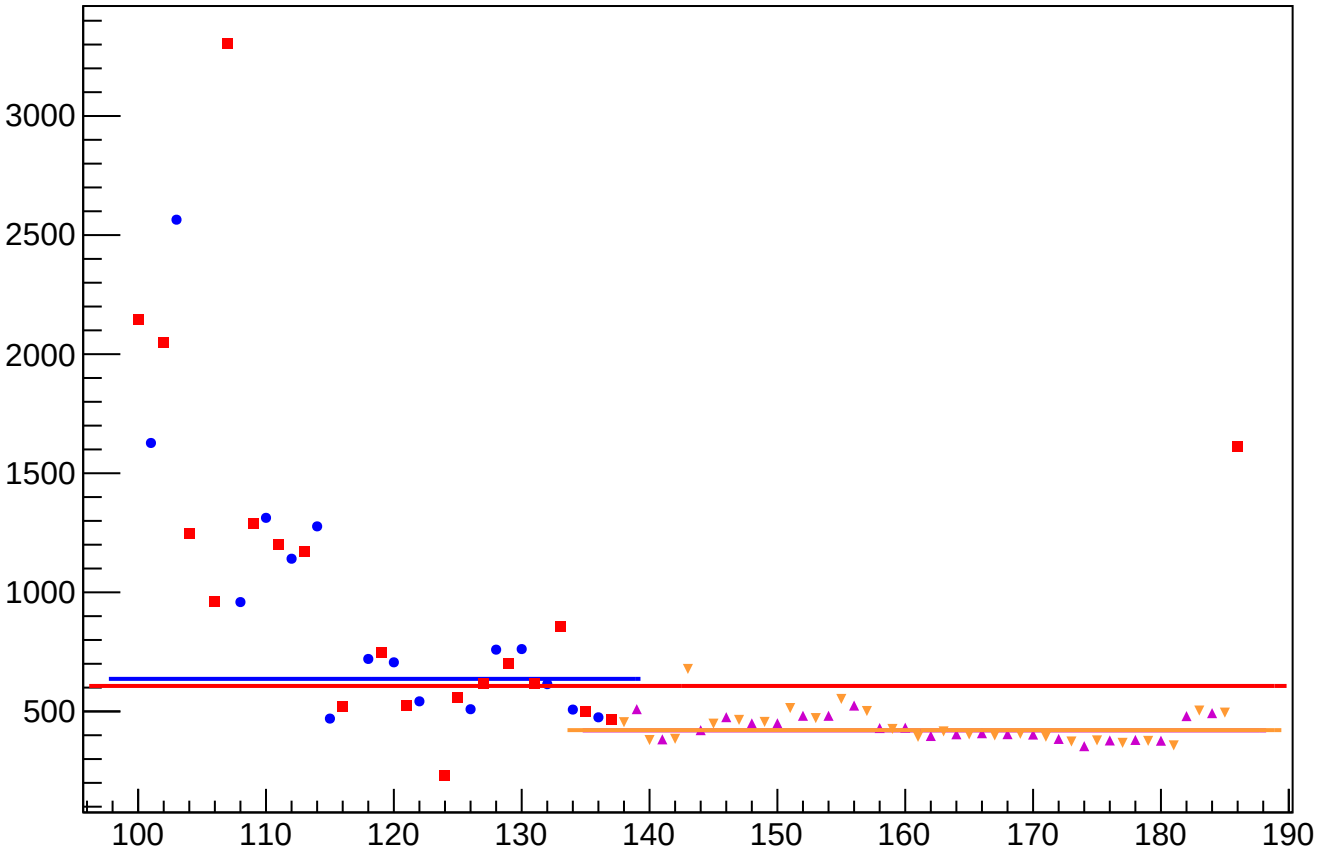
Right Out: 394.961+/-251.411 χ^2/NDF: 15.1/19

Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 382.226+/-90.831 χ^2/NDF: 83.5/40

All: 224.815+/-64.670 χ^2/NDF: 137.8/83

- sign 62.989+/-92.096 χ^2/NDF: 48.2/42



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 606.956+/-0.178 χ^2/NDF: 3250920.2/19

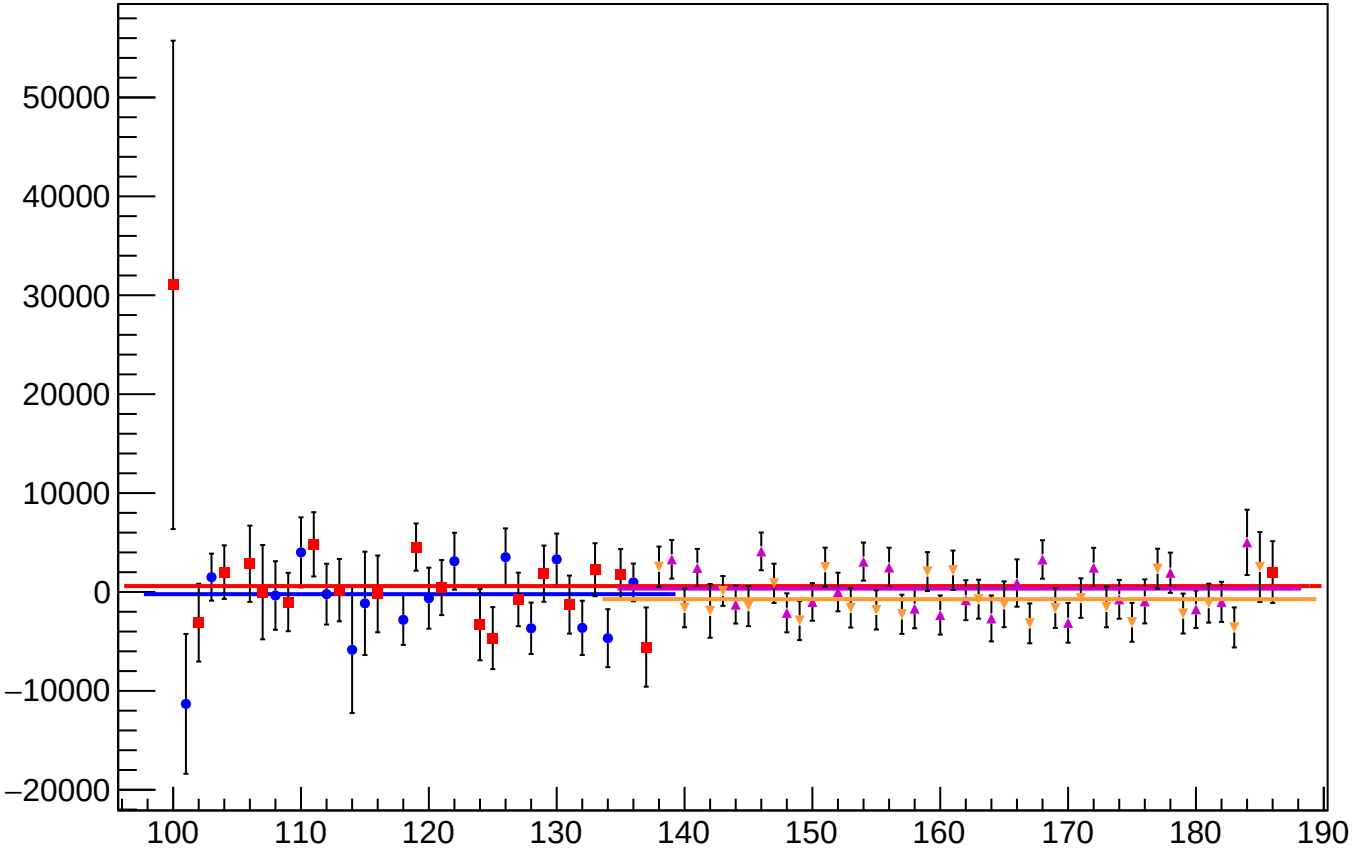
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 447.986+/-0.064 χ^2/NDF: 4024342.3/40

All: 446.650+/-0.046 χ^2/NDF: 8644636.2/83

- sign 445.276+/-0.065 χ^2/NDF: 4619415.9/42

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 596.694+/-706.173 χ^2/NDF: 15.8/19

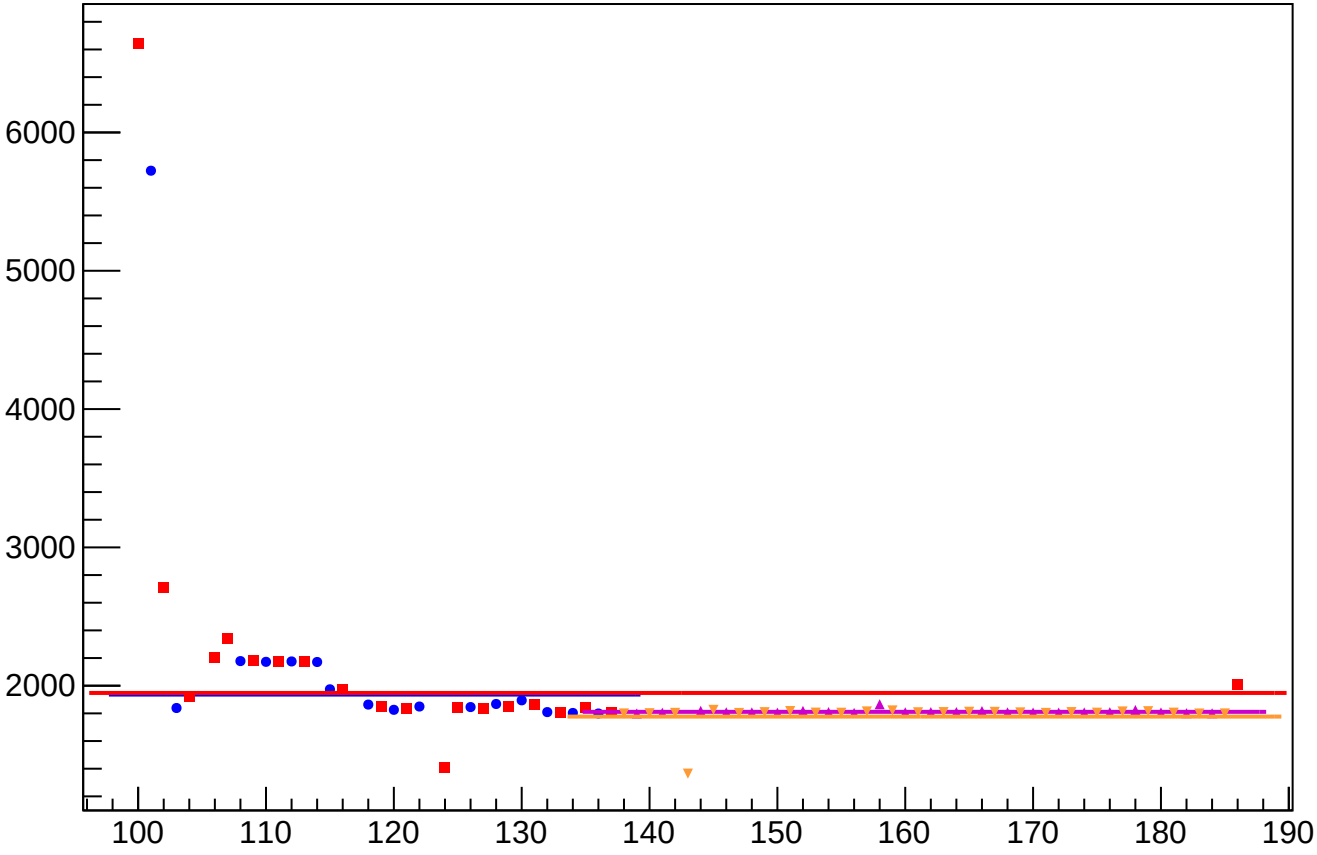
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -607.587+/-354.422 χ^2/NDF: 39.7/40

All: -111.323+/-253.521 χ^2/NDF: 89.2/83

- sign 408.649+/-362.789 χ^2/NDF: 45.5/42

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1947.719+/-0.499 χ^2/NDF: 276996.4/19

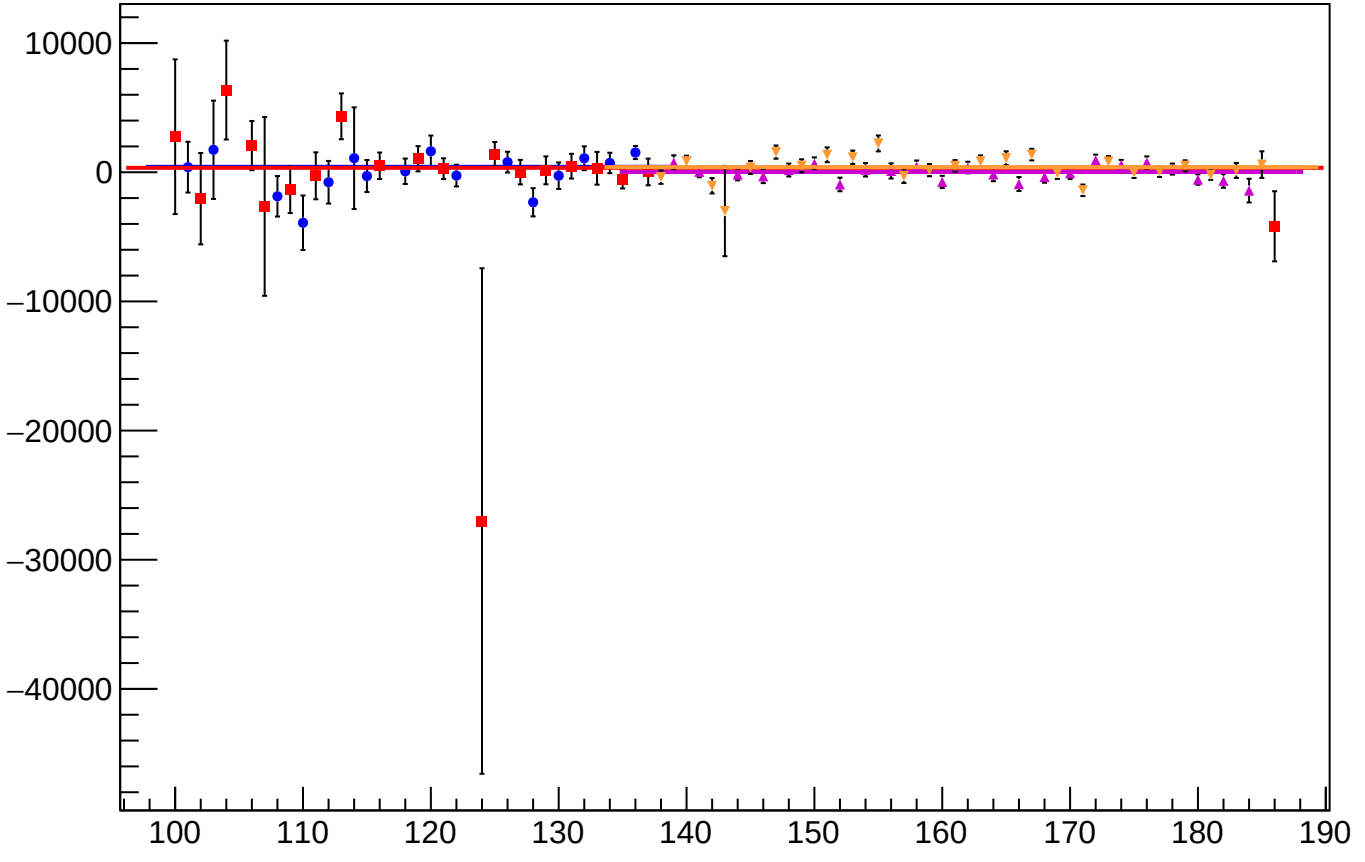
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.662+/-0.251 χ^2/NDF: 873041.8/40

All: 1830.013+/-0.179 χ^2/NDF: 1215834.2/83

- sign 1847.146+/-0.257 χ^2/NDF: 334075.2/42

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 345.542+/-278.091 χ^2/NDF: 18.7/19

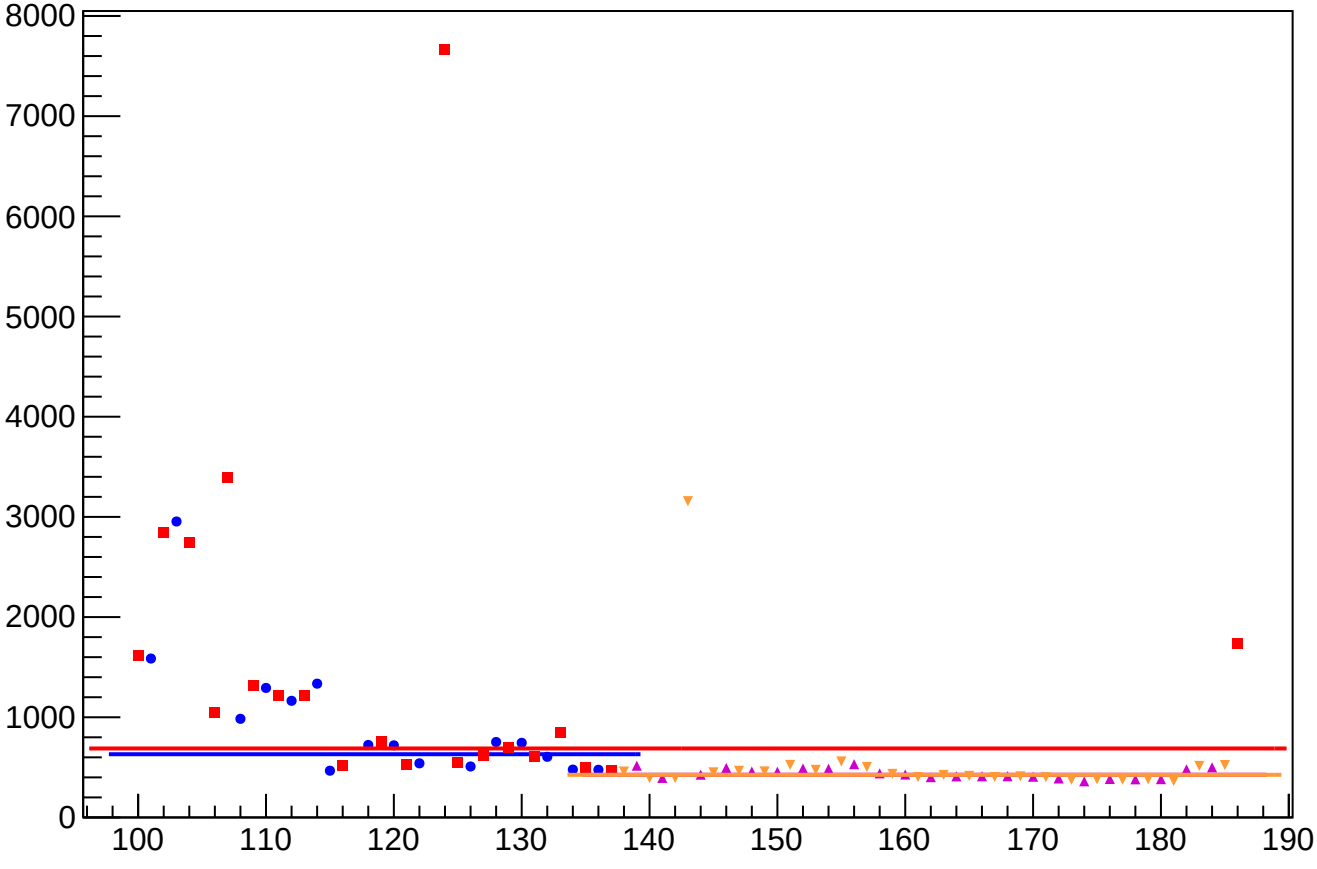
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 401.238+/-92.505 χ^2/NDF: 82.0/40

All: 233.316+/-66.043 χ^2/NDF: 139.4/83

- sign 58.736+/-94.321 χ^2/NDF: 50.7/42

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 688.546+/-0.197 χ^2/NDF: 3382352.4/19

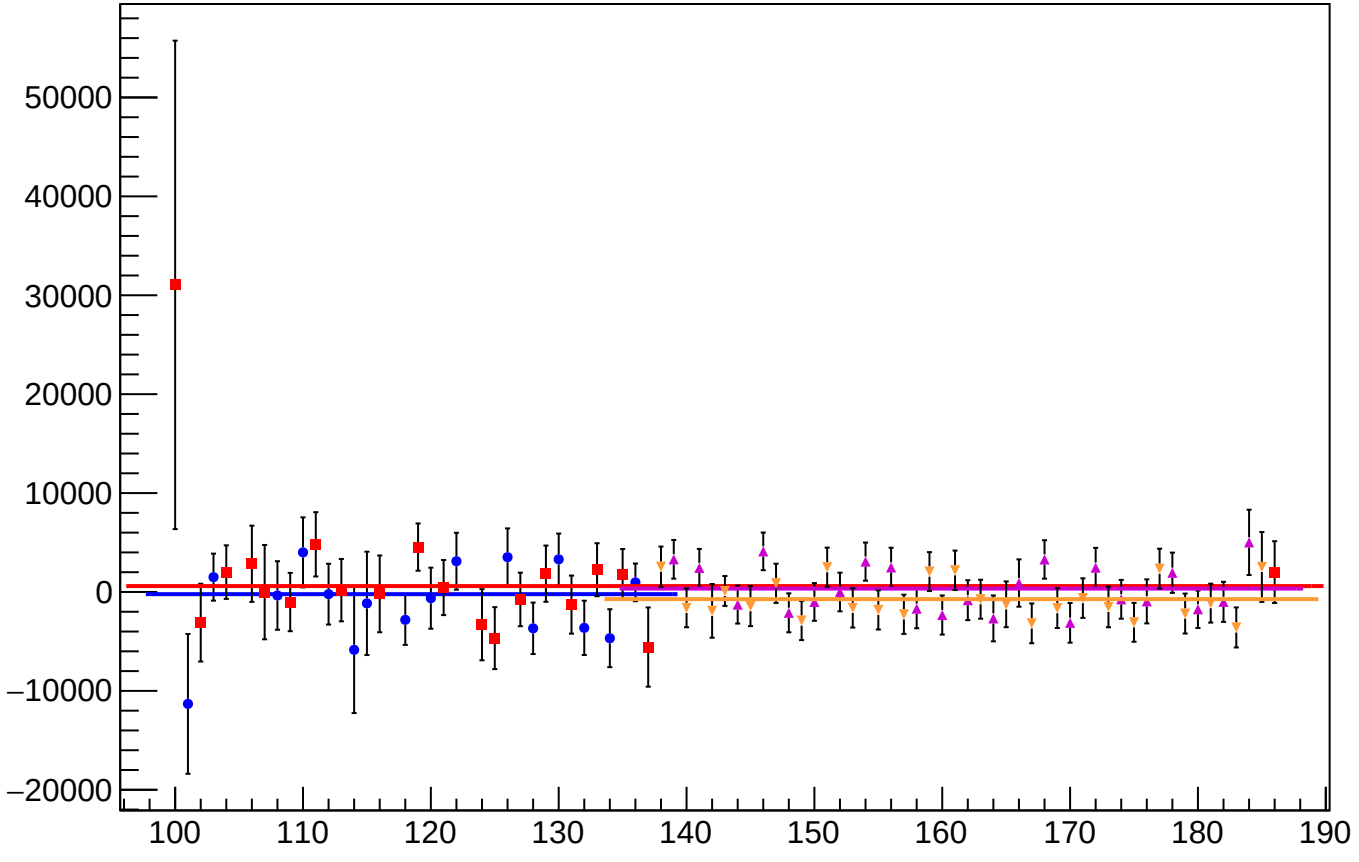
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 452.365+/-0.065 χ^2/NDF: 5066940.1/40

All: 454.309+/-0.047 χ^2/NDF: 10442347.6/83

- sign 456.330+/-0.067 χ^2/NDF: 5373605.9/42

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 596.693+/-706.173 χ^2/NDF: 15.8/19

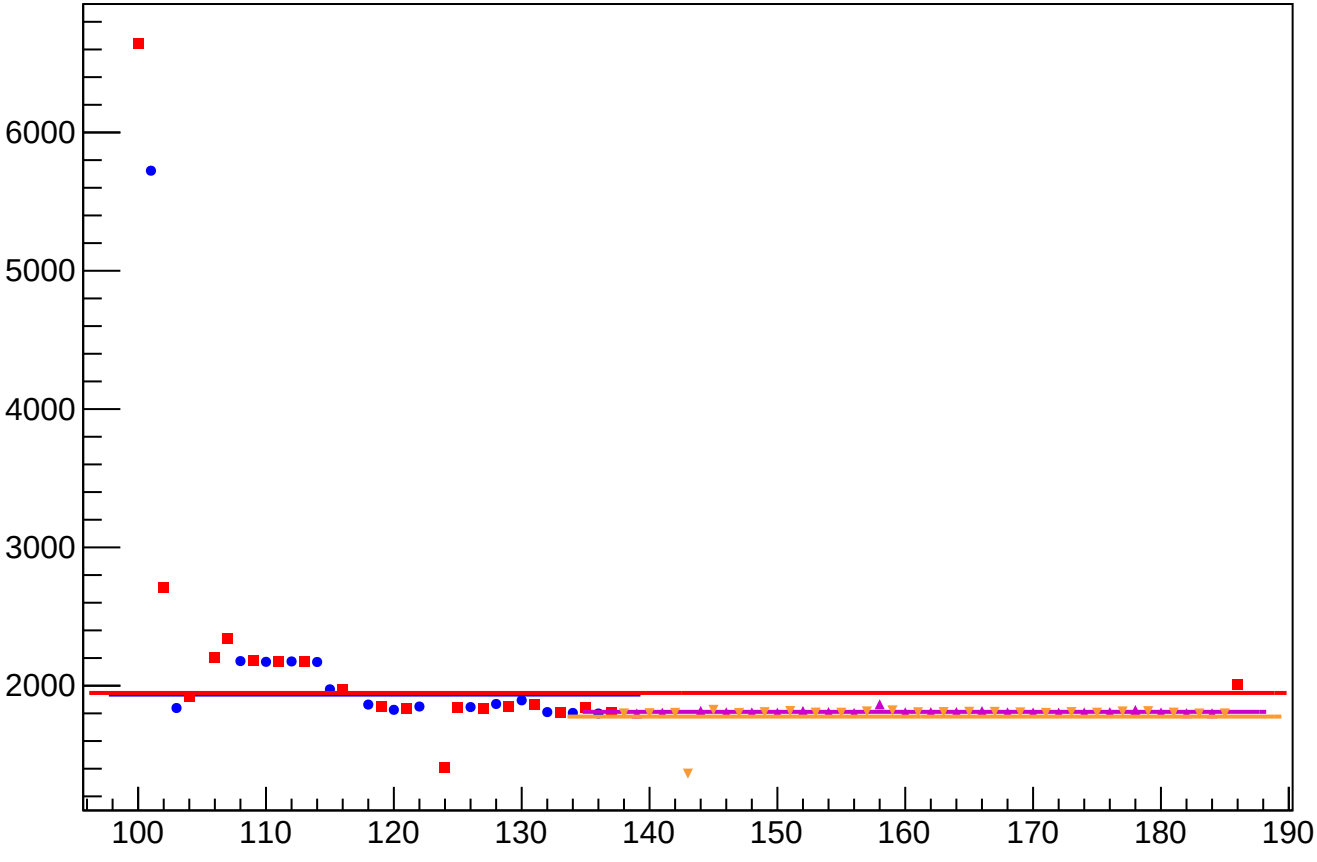
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -607.588+/-354.422 χ^2/NDF: 39.7/40

All: -111.323+/-253.521 χ^2/NDF: 89.2/83

- sign 408.649+/-362.789 χ^2/NDF: 45.5/42

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1947.719+/-0.499 χ^2/NDF: 276996.3/19

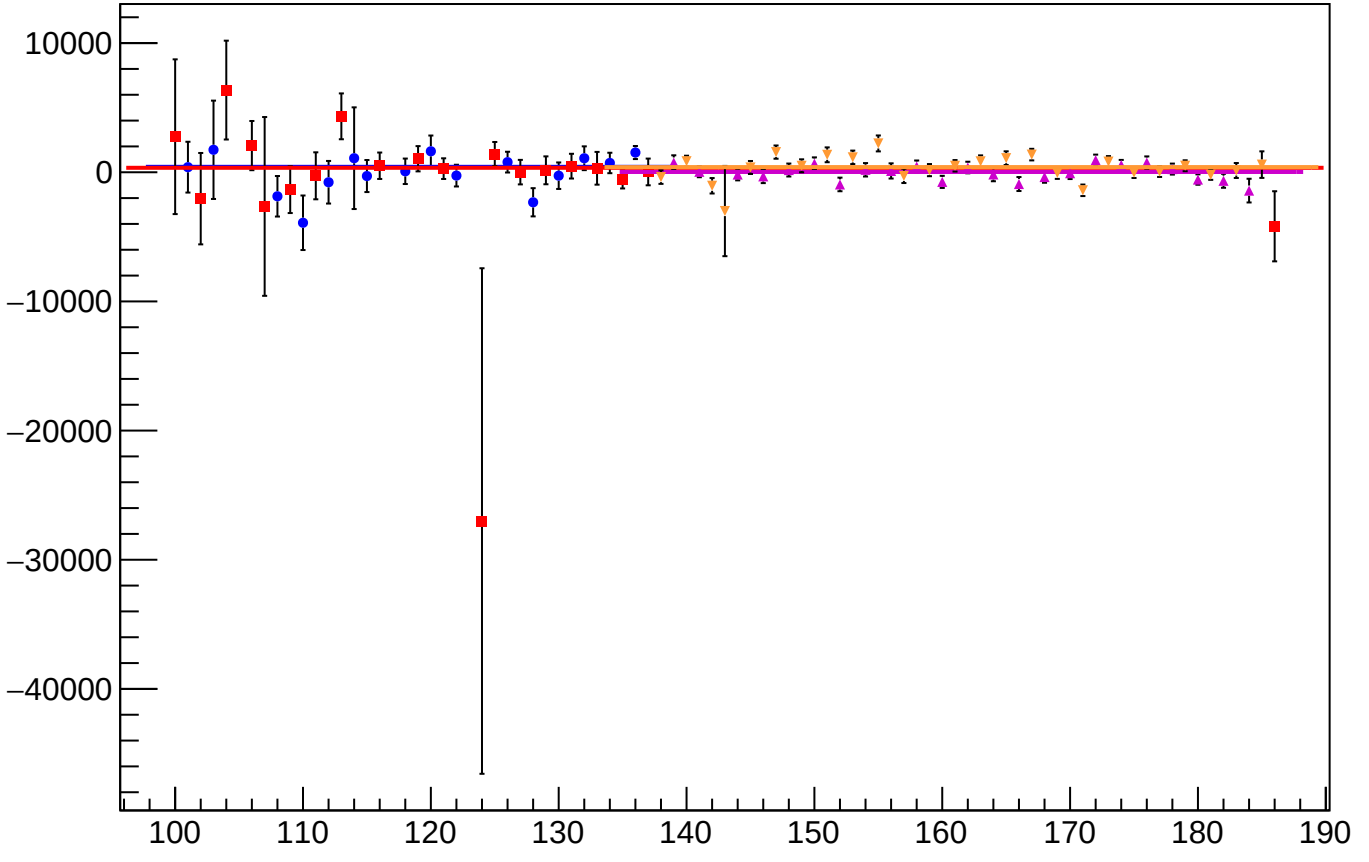
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.662+/-0.251 χ^2/NDF: 873041.8/40

All: 1830.013+/-0.179 χ^2/NDF: 1215834.0/83

- sign 1847.146+/-0.257 χ^2/NDF: 334075.0/42

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 345.542+/-278.091 χ^2/NDF: 18.7/19

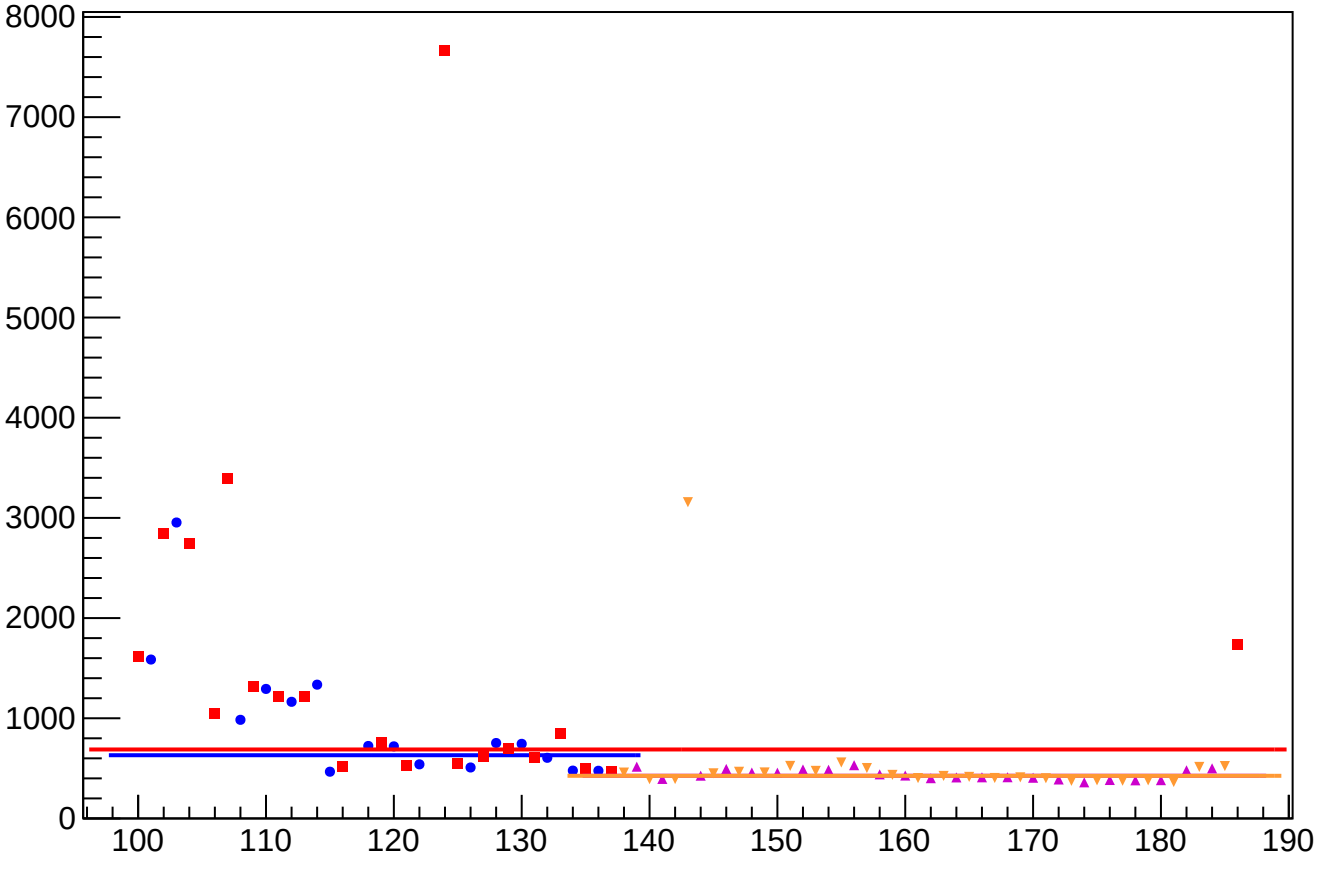
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 401.238+/-92.505 χ^2/NDF: 82.0/40

All: 233.315+/-66.043 χ^2/NDF: 139.4/83

- sign 58.735+/-94.321 χ^2/NDF: 50.7/42

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 688.545+/-0.197 χ^2/NDF: 3382353.8/19

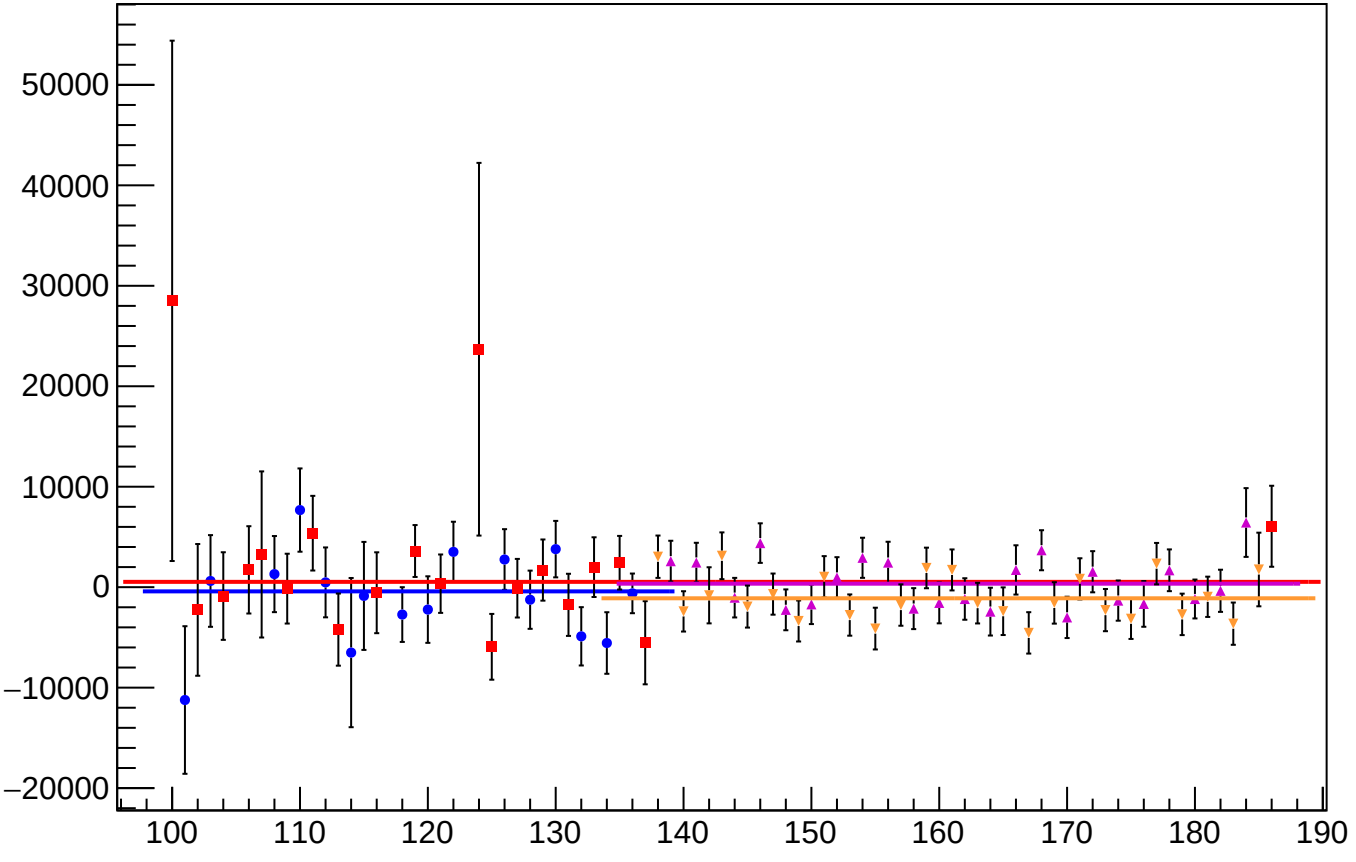
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 452.365+/-0.065 χ^2/NDF: 5066943.2/40

All: 454.309+/-0.047 χ^2/NDF: 10442356.1/83

- sign 456.330+/-0.067 χ^2/NDF: 5373611.2/42

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 530.010+/-814.462 χ^2/NDF: 17.6/19

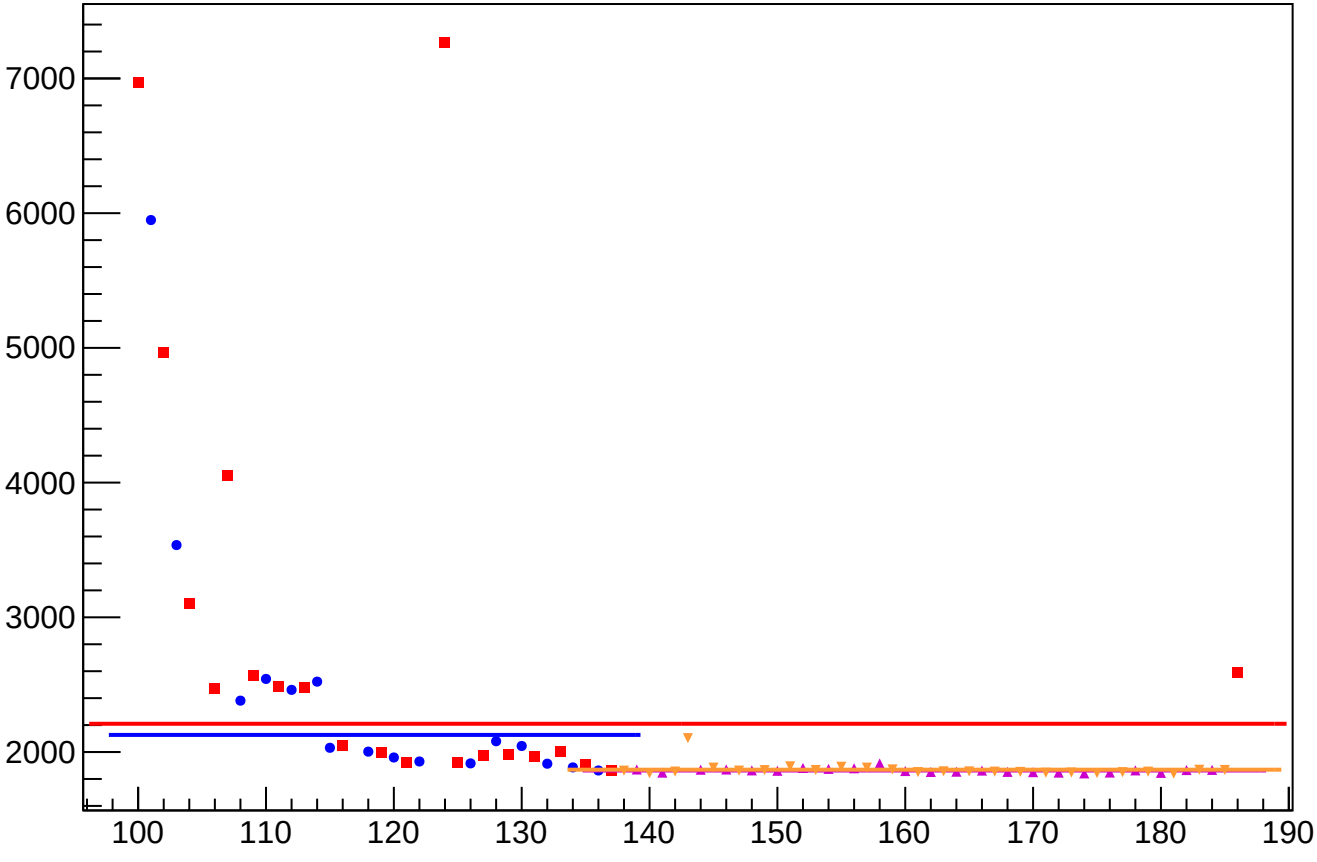
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -958.969+/-376.631 χ^2/NDF: 46.9/40

All: -298.162+/-268.771 χ^2/NDF: 99.6/83

- sign 387.561+/-383.666 χ^2/NDF: 46.4/42

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2209.773+/-0.576 χ^2/NDF: 961206.3/19

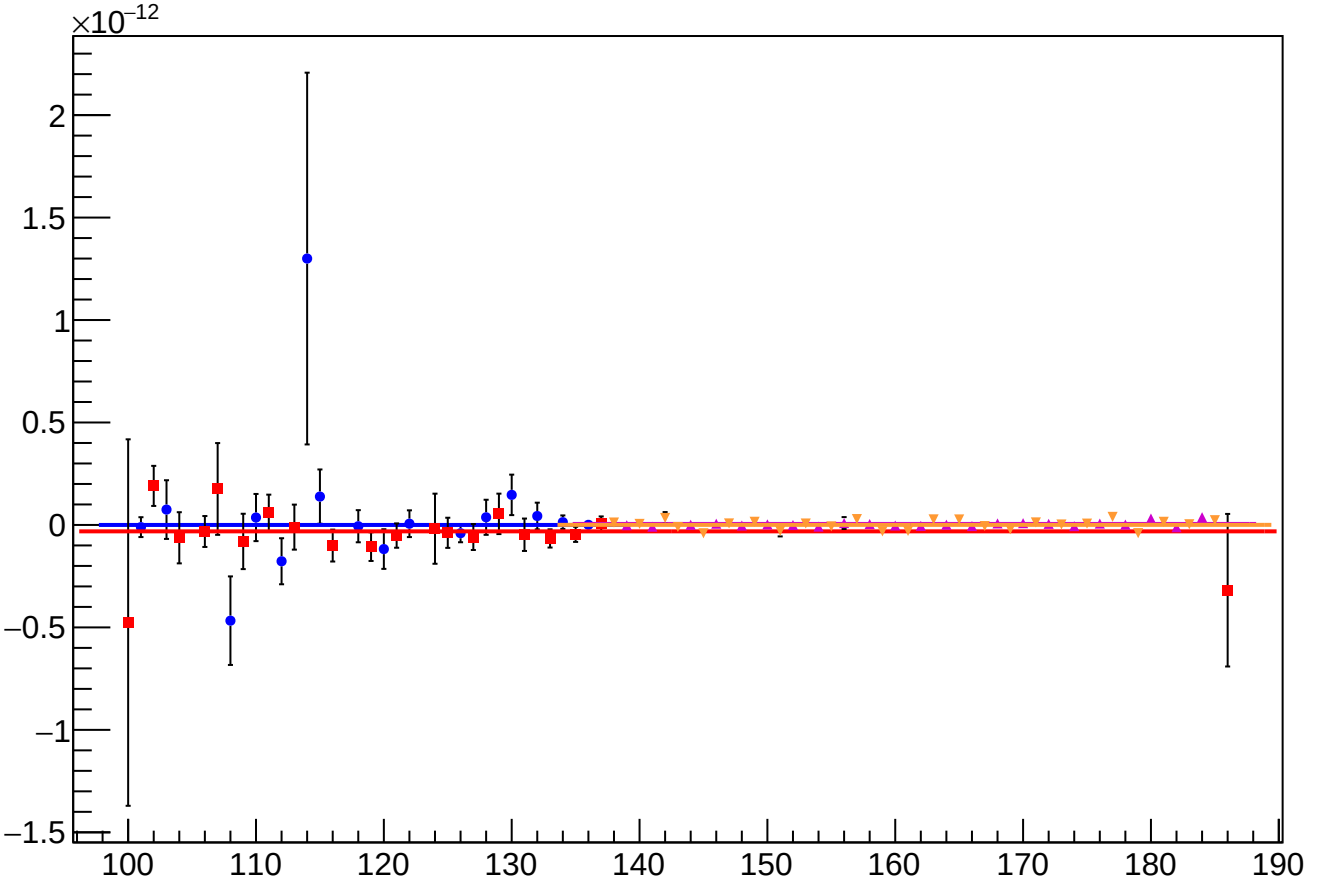
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1924.010+/-0.266 χ^2/NDF: 1056034.9/40

All: 1931.767+/-0.190 χ^2/NDF: 2304070.5/83

- sign 1939.817+/-0.271 χ^2/NDF: 1246306.9/42

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/19

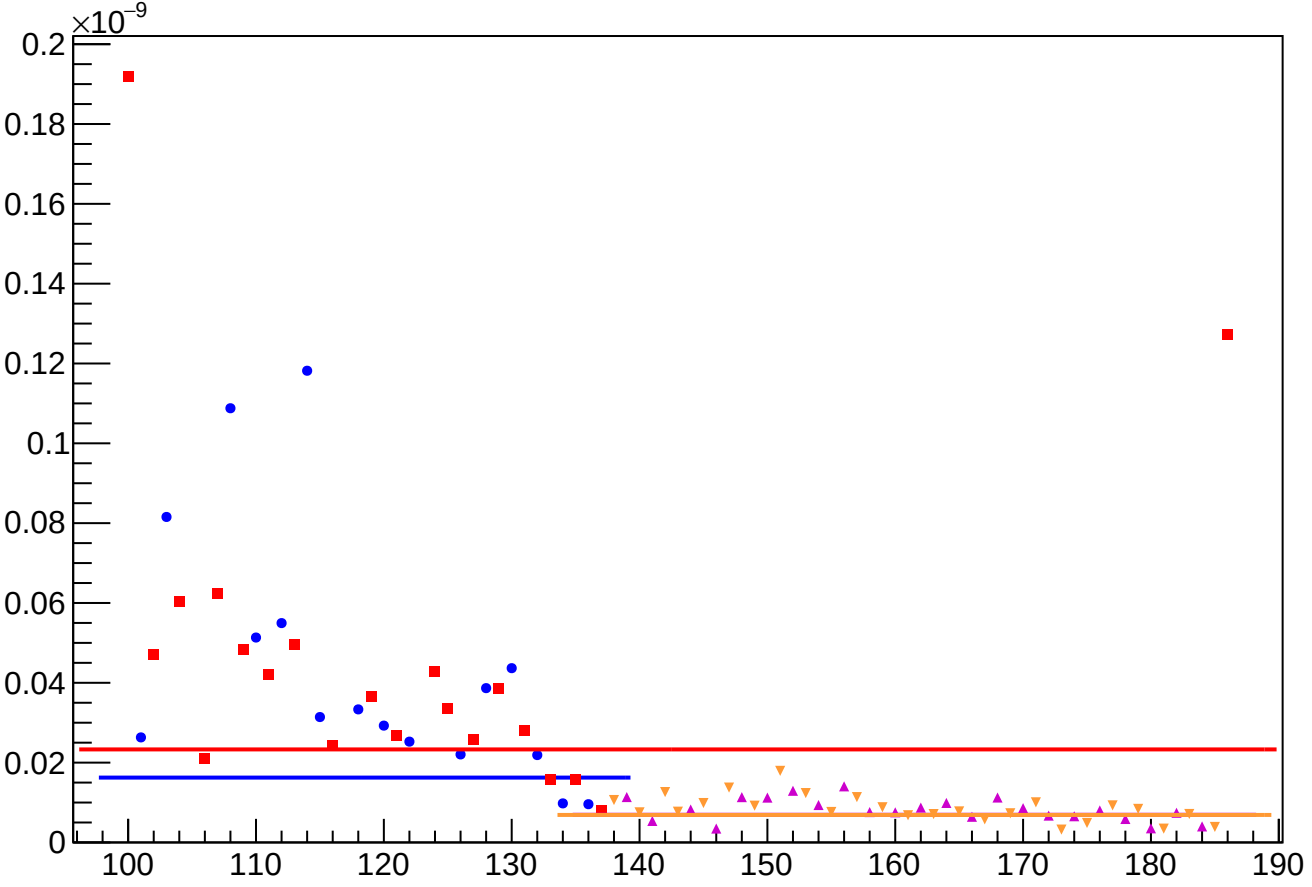
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.1/40

All: 0.000+/-0.000 χ^2/NDF: 94.1/83

- 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: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

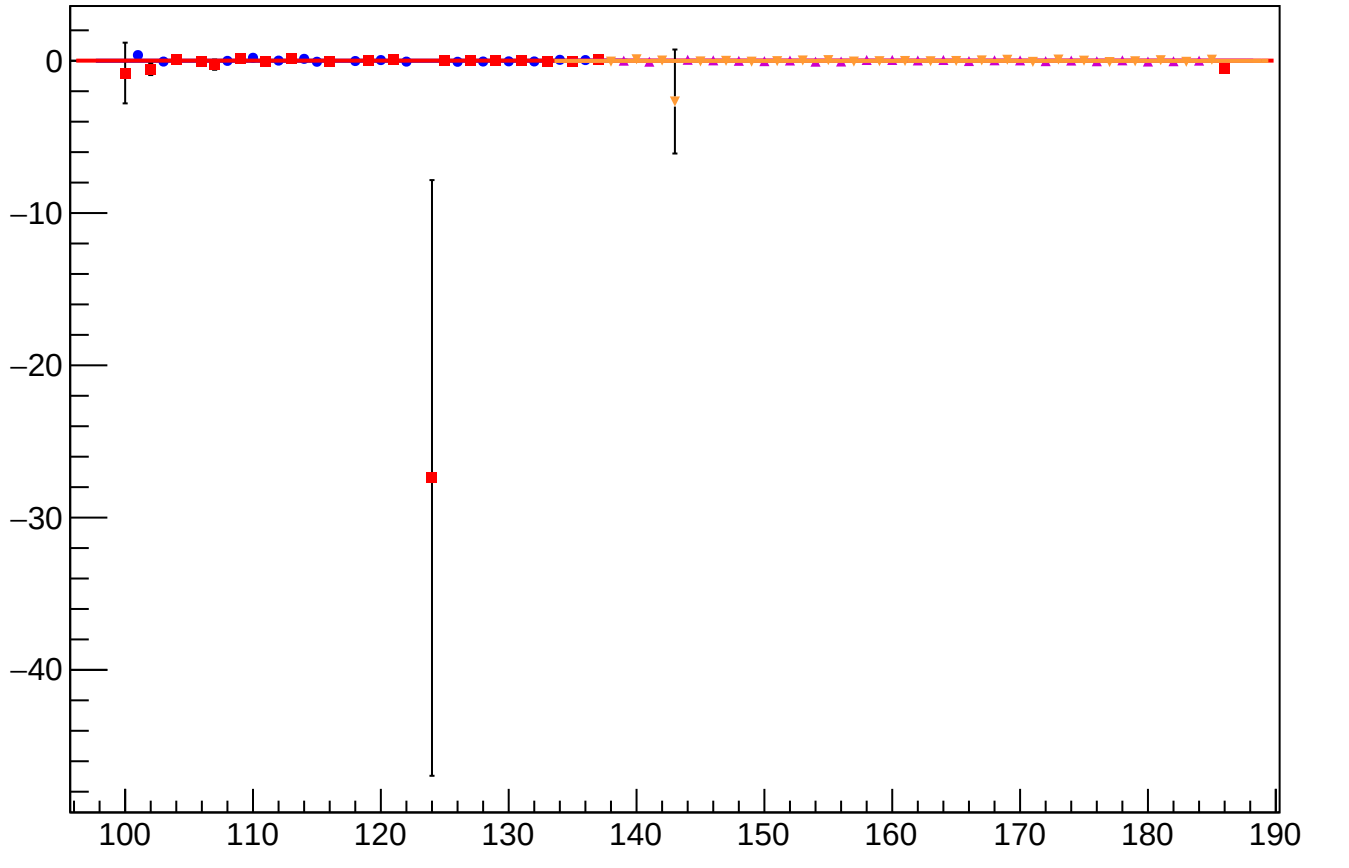
Right Out: 0.000+/-0.000 χ^2/NDF: 1567625.9/19

Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5302508.2/40

All: 0.000+/-0.000 χ^2/NDF: 10443261.6/83

- sign 0.000+/-0.000 χ^2/NDF: 5139762.4/42



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.009+/-0.015 χ^2/NDF: 20.2/19

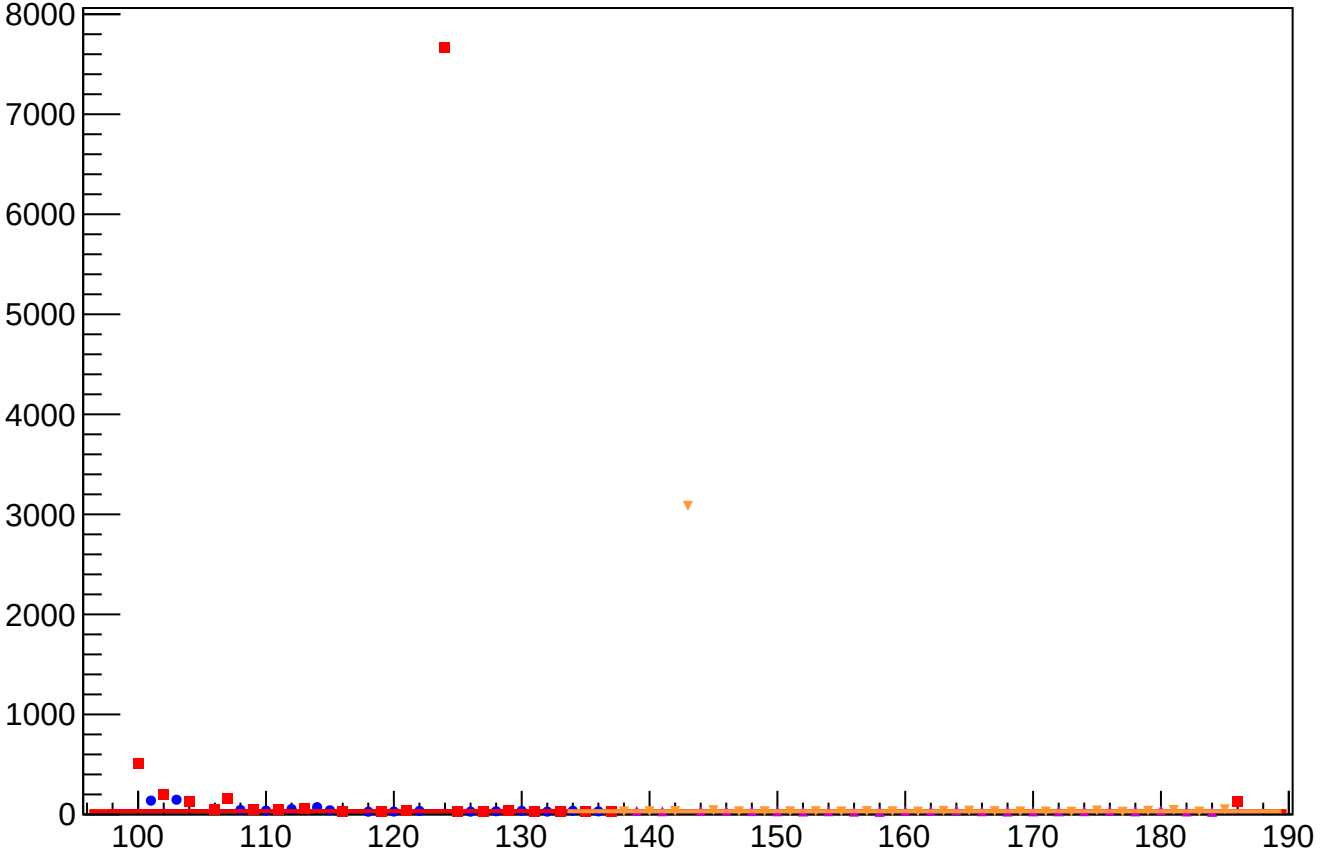
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 61.0/40

All: -0.001+/-0.005 χ^2/NDF: 103.6/83

- sign 0.005+/-0.007 χ^2/NDF: 41.2/42

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

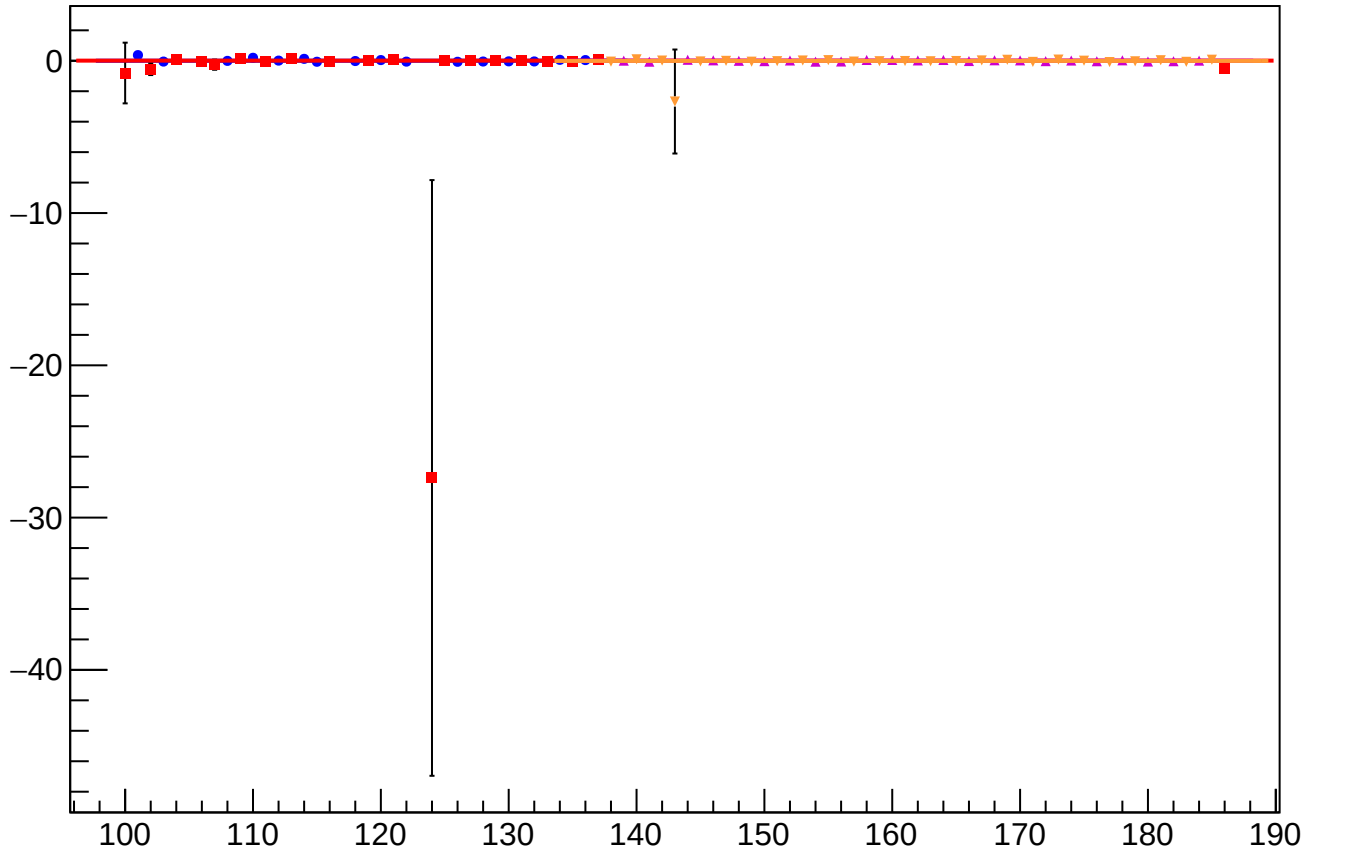
Right Out: 33.580+/-0.010 χ^2/NDF: 2522669.4/19

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 32.699+/-0.005 χ^2/NDF: 3860345.6/40

All: 32.698+/-0.004 χ^2/NDF: 6818402.4/83

- sign 32.697+/-0.005 χ^2/NDF: 2958056.6/42



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.009+/-0.015 χ^2/NDF: 20.2/19

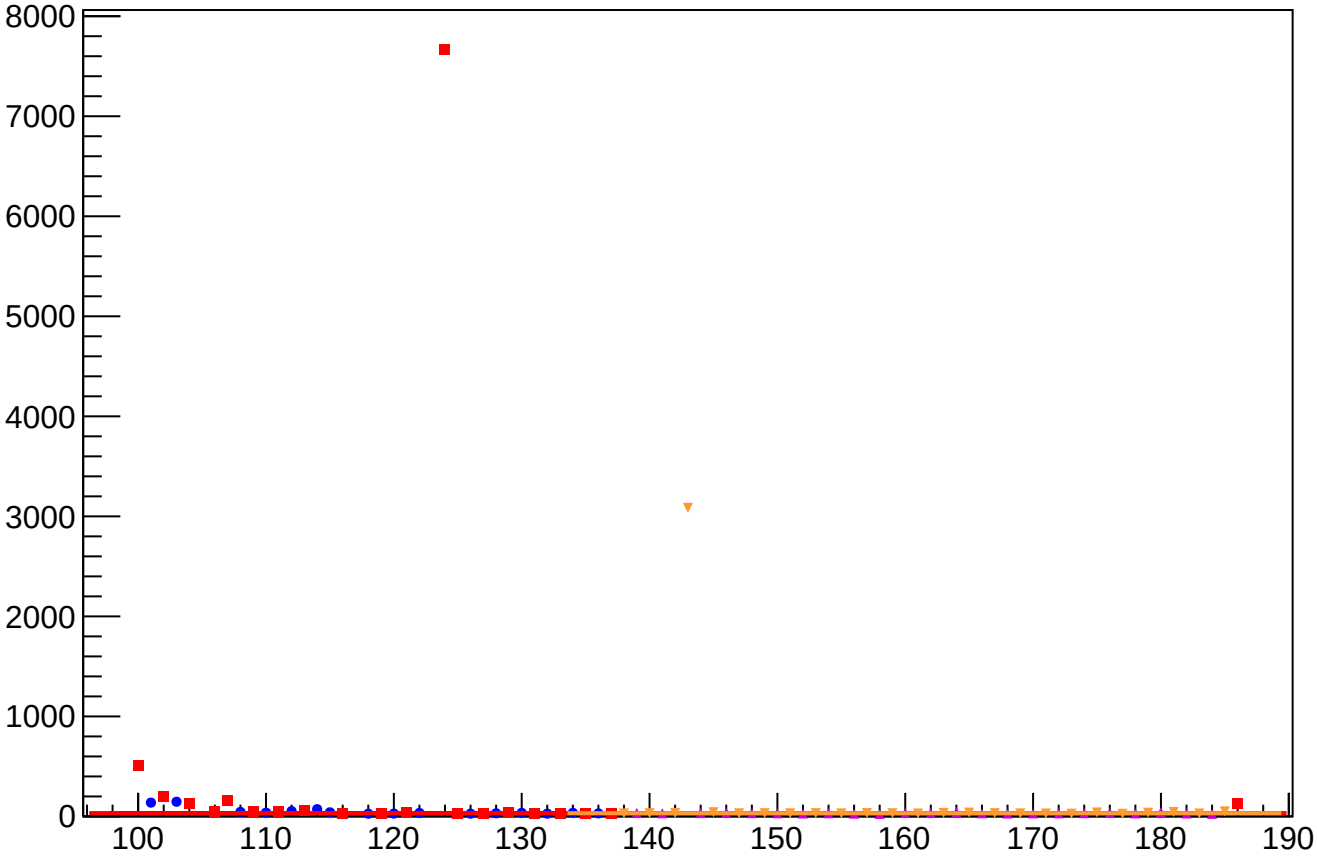
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 61.0/40

All: -0.001+/-0.005 χ^2/NDF: 103.6/83

- sign 0.005+/-0.007 χ^2/NDF: 41.2/42

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

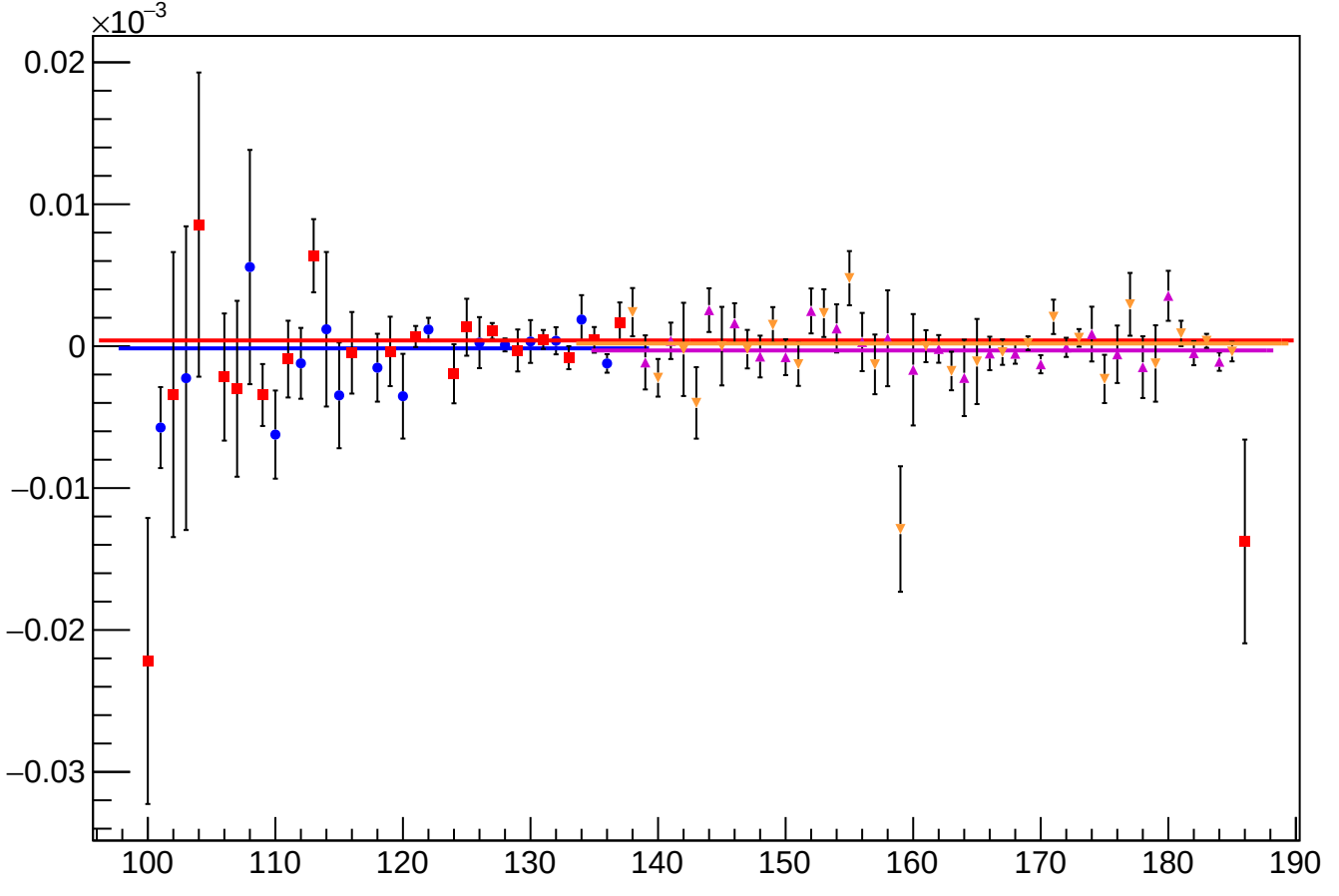
Right Out: 33.580+/-0.010 χ^2/NDF: 2522669.4/19

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 32.699+/-0.005 χ^2/NDF: 3860345.6/40

All: 32.698+/-0.004 χ^2/NDF: 6818402.4/83

- sign 32.697+/-0.005 χ^2/NDF: 2958056.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/19

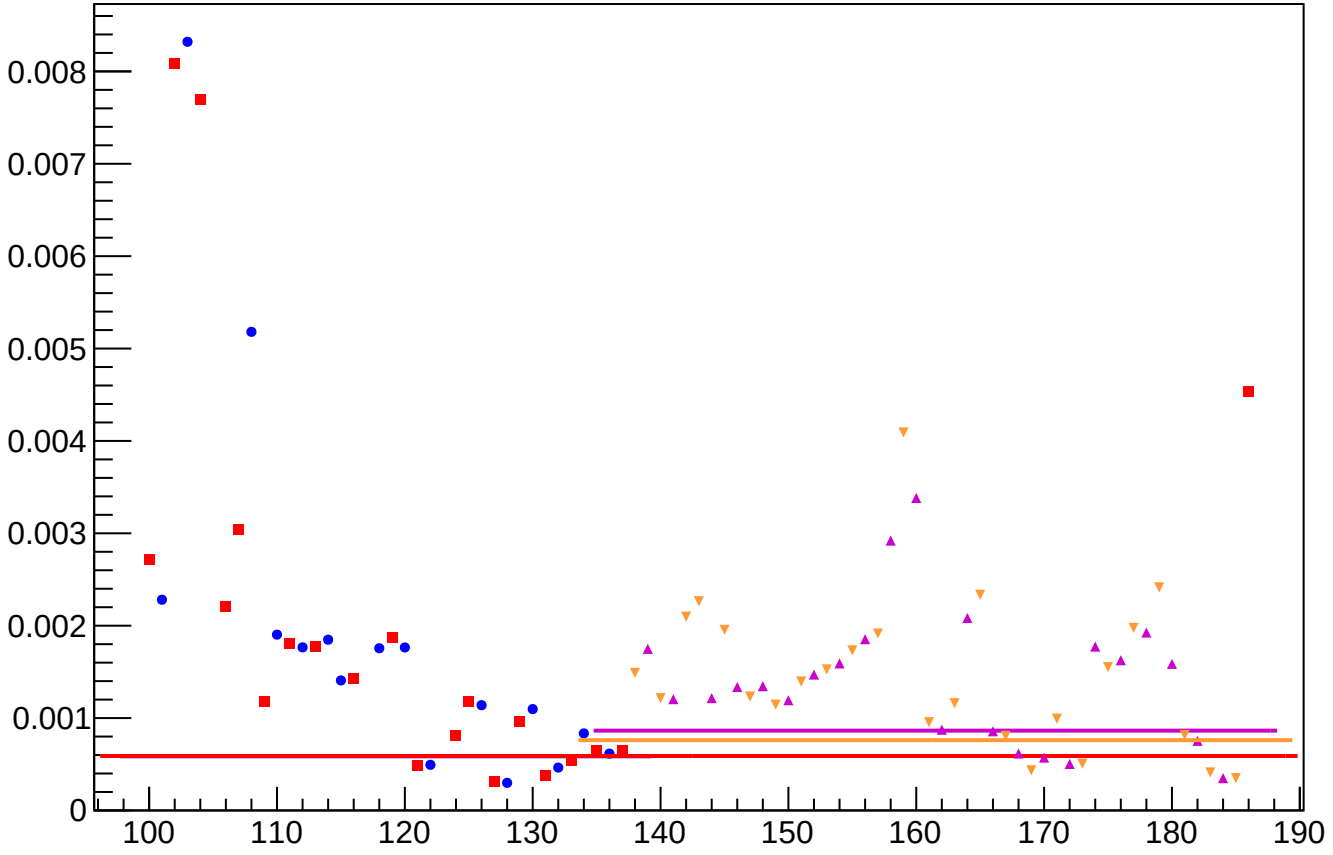
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.6/40

All: 0.000+/-0.000 χ^2/NDF: 106.0/83

- sign -0.000+/-0.000 χ^2/NDF: 49.3/42

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

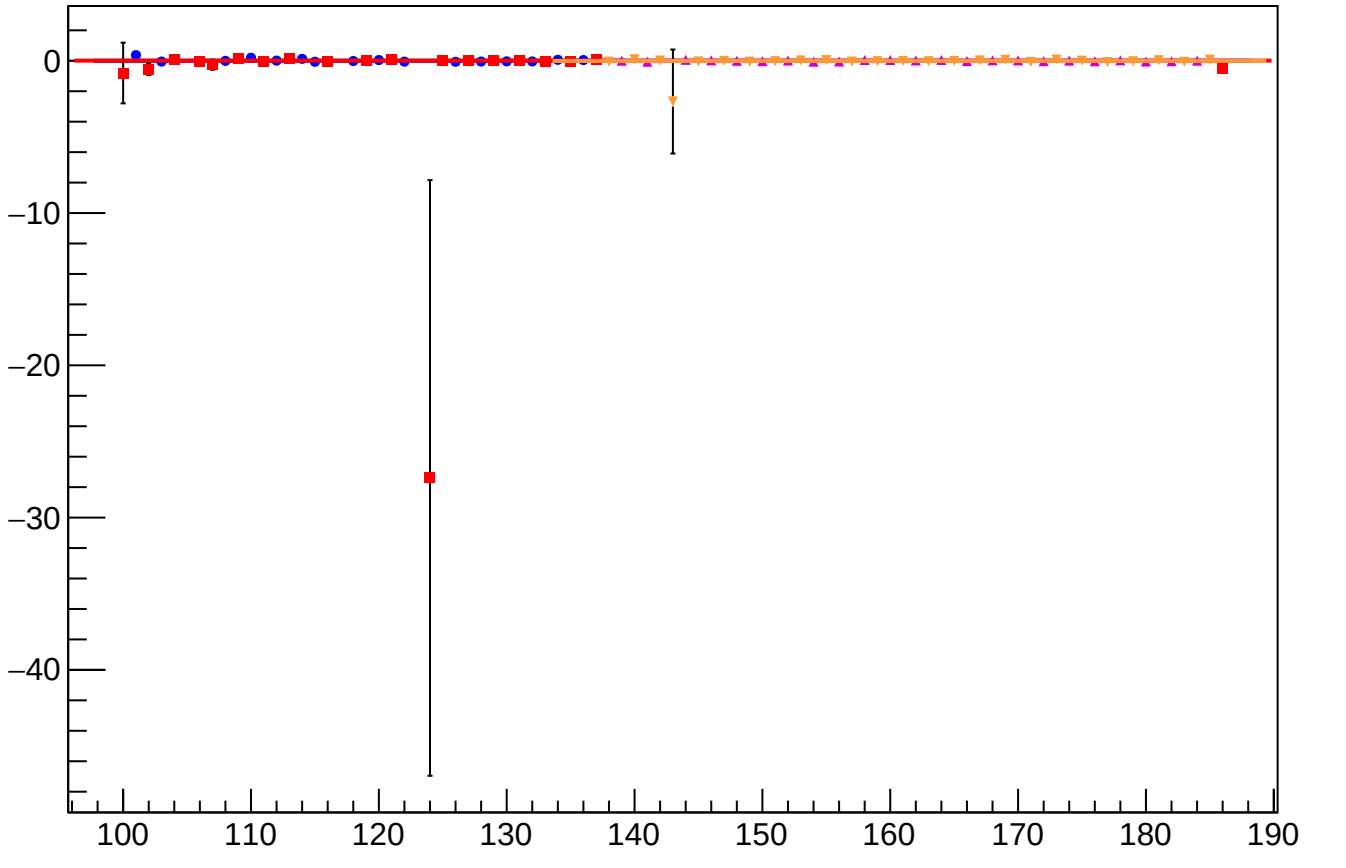
Right Out: 0.001+/-0.000 χ^2/NDF: 6035654.9/19

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 17033771.6/40

All: 0.001+/-0.000 χ^2/NDF: 32675945.5/83

- sign 0.001+/-0.000 χ^2/NDF: 15565783.9/42



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.009+/-0.015 χ^2/NDF: 20.2/19

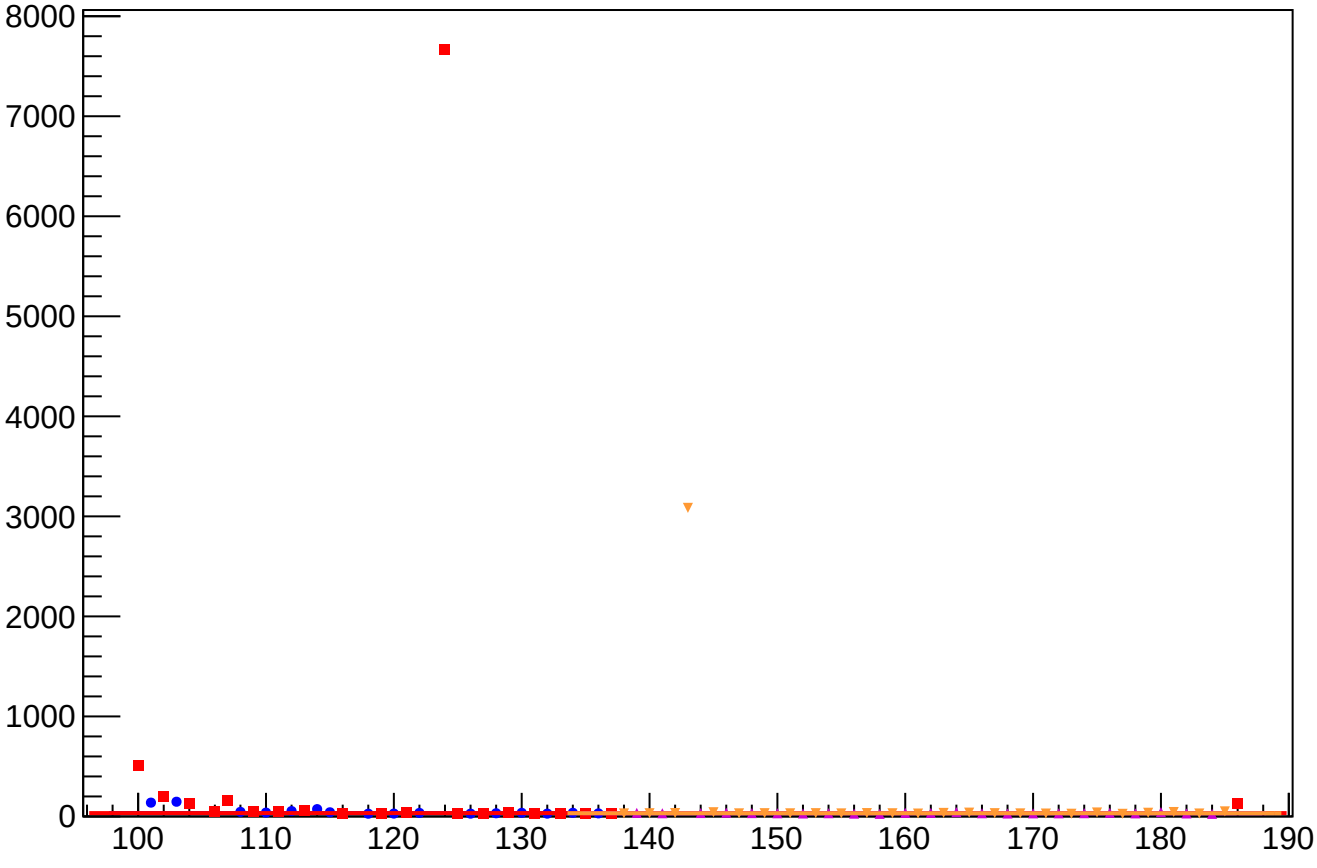
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 61.0/40

All: -0.001+/-0.005 χ^2/NDF: 103.6/83

- sign 0.005+/-0.007 χ^2/NDF: 41.2/42

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

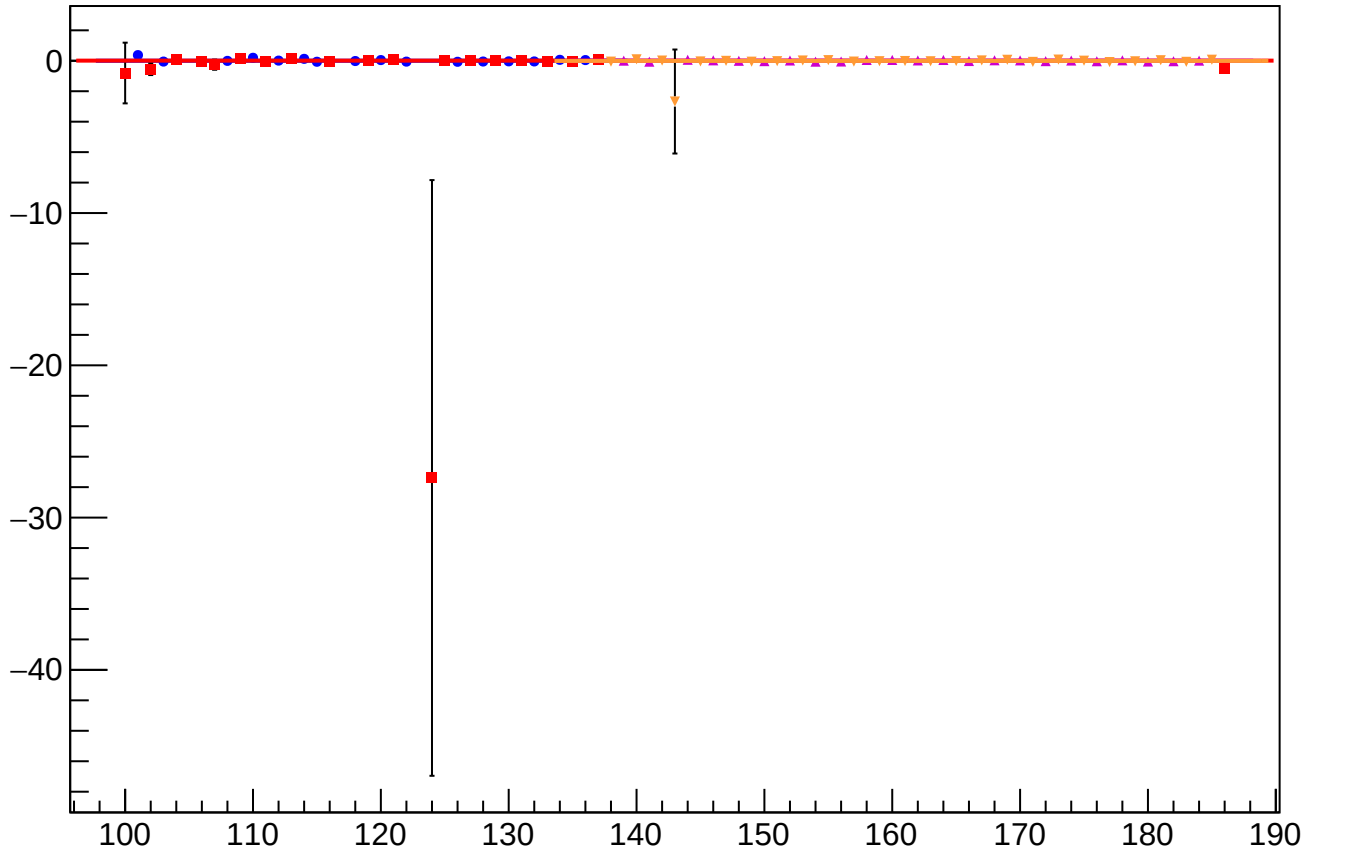
Right Out: 33.580+/-0.010 χ^2/NDF: 2522658.9/19

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 32.699+/-0.005 χ^2/NDF: 3860379.0/40

All: 32.698+/-0.004 χ^2/NDF: 6818336.3/83

- sign 32.697+/-0.005 χ^2/NDF: 2957957.3/42



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.009+/-0.015 χ^2/NDF: 20.2/19

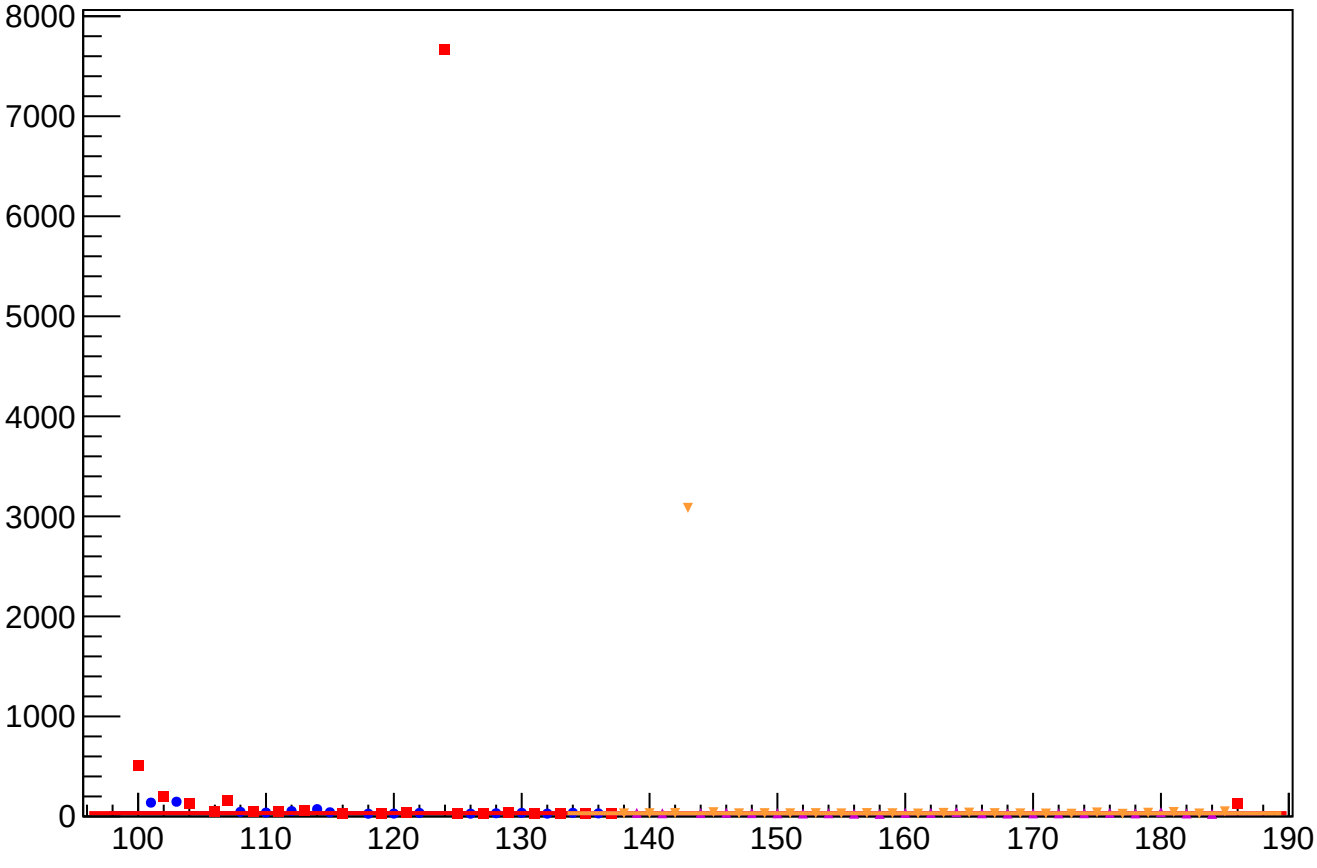
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 61.0/40

All: -0.001+/-0.005 χ^2/NDF: 103.6/83

\- sign 0.005+/-0.007 χ^2/NDF: 41.2/42

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

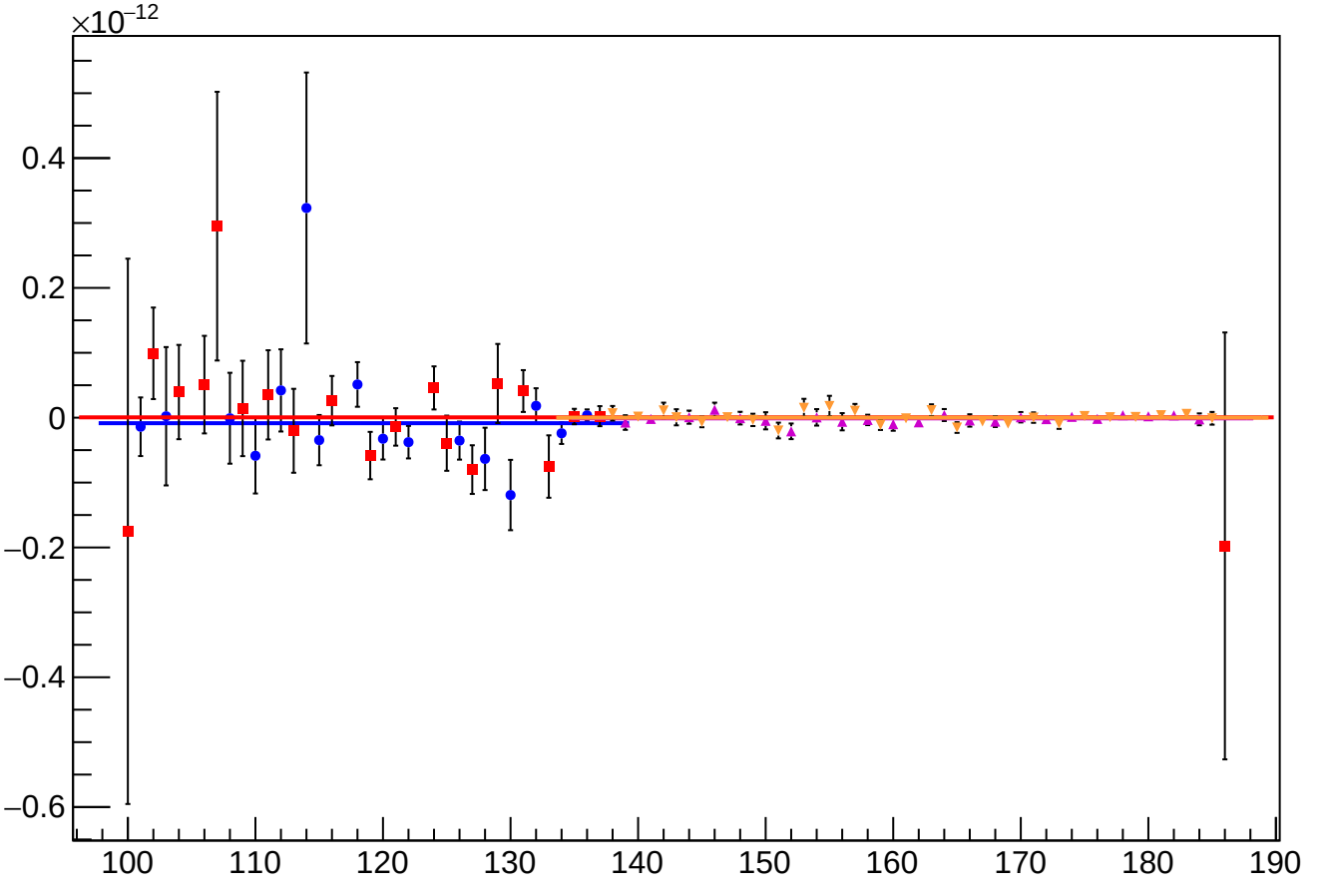
Right Out: 33.580+/-0.010 χ^2/NDF: 2522658.9/19

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 32.699+/-0.005 χ^2/NDF: 3860379.0/40

All: 32.698+/-0.004 χ^2/NDF: 6818336.3/83

- sign 32.697+/-0.005 χ^2/NDF: 2957957.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

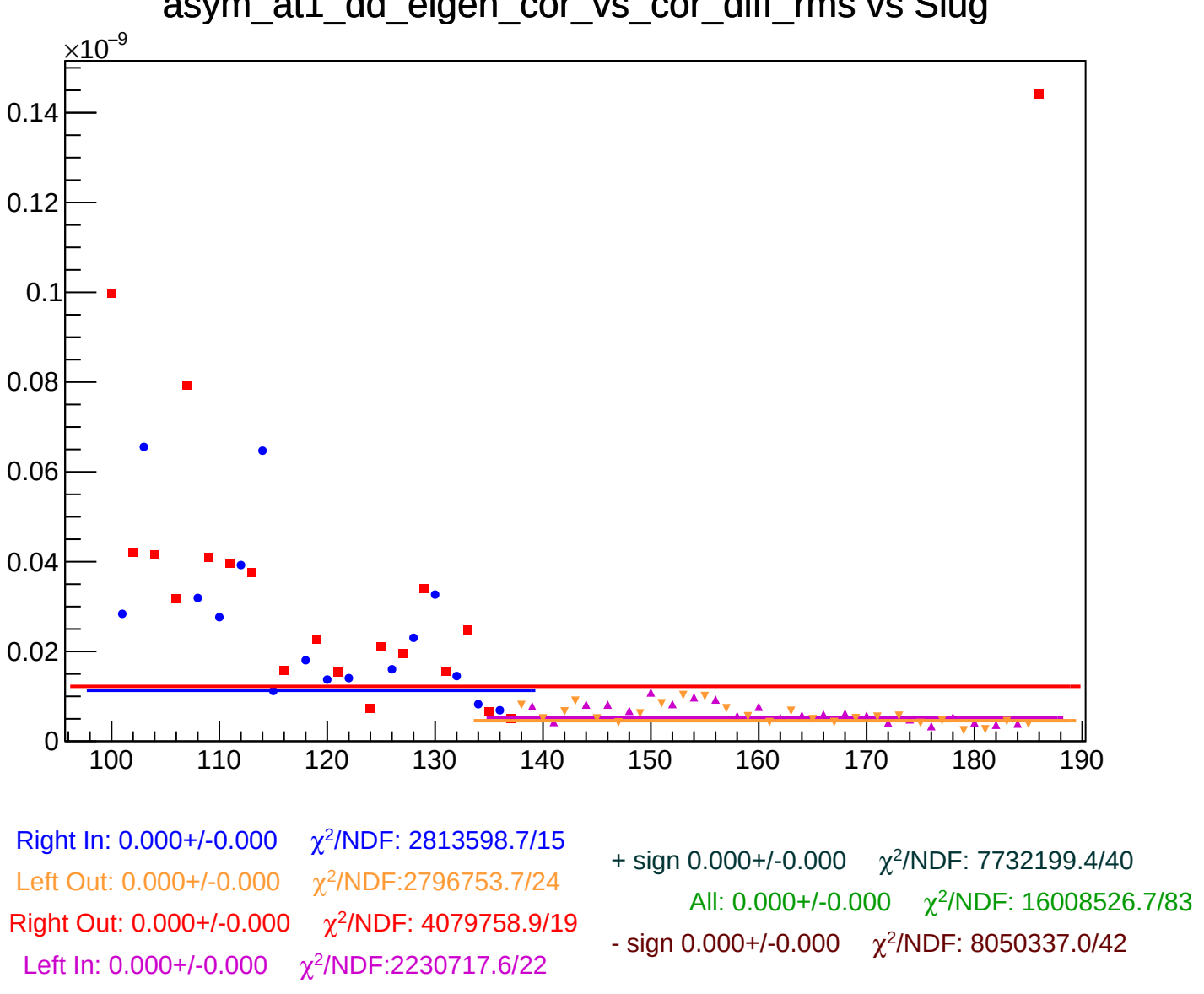
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/19

Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

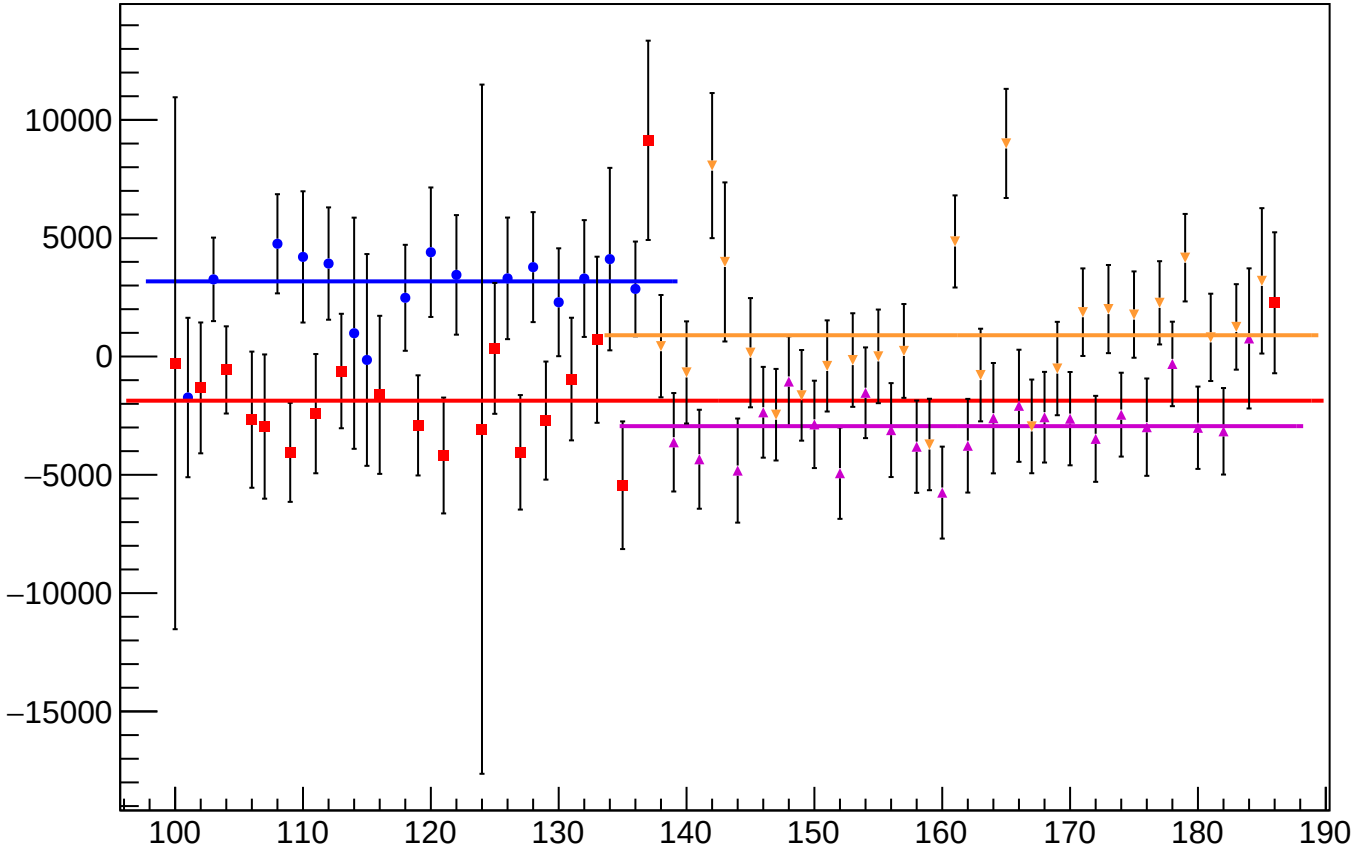
+ sign -0.000+/-0.000 χ^2/NDF: 42.1/40

All: -0.000+/-0.000 χ^2/NDF: 72.5/83

- 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: 2813598.7/15
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: 7732199.4/40
All: 0.000+/-0.000 χ²/NDF: 16008526.7/83
- sign 0.000+/-0.000 χ²/NDF: 8050337.0/42

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1867.270+/-608.398 χ^2/NDF: 16.1/19

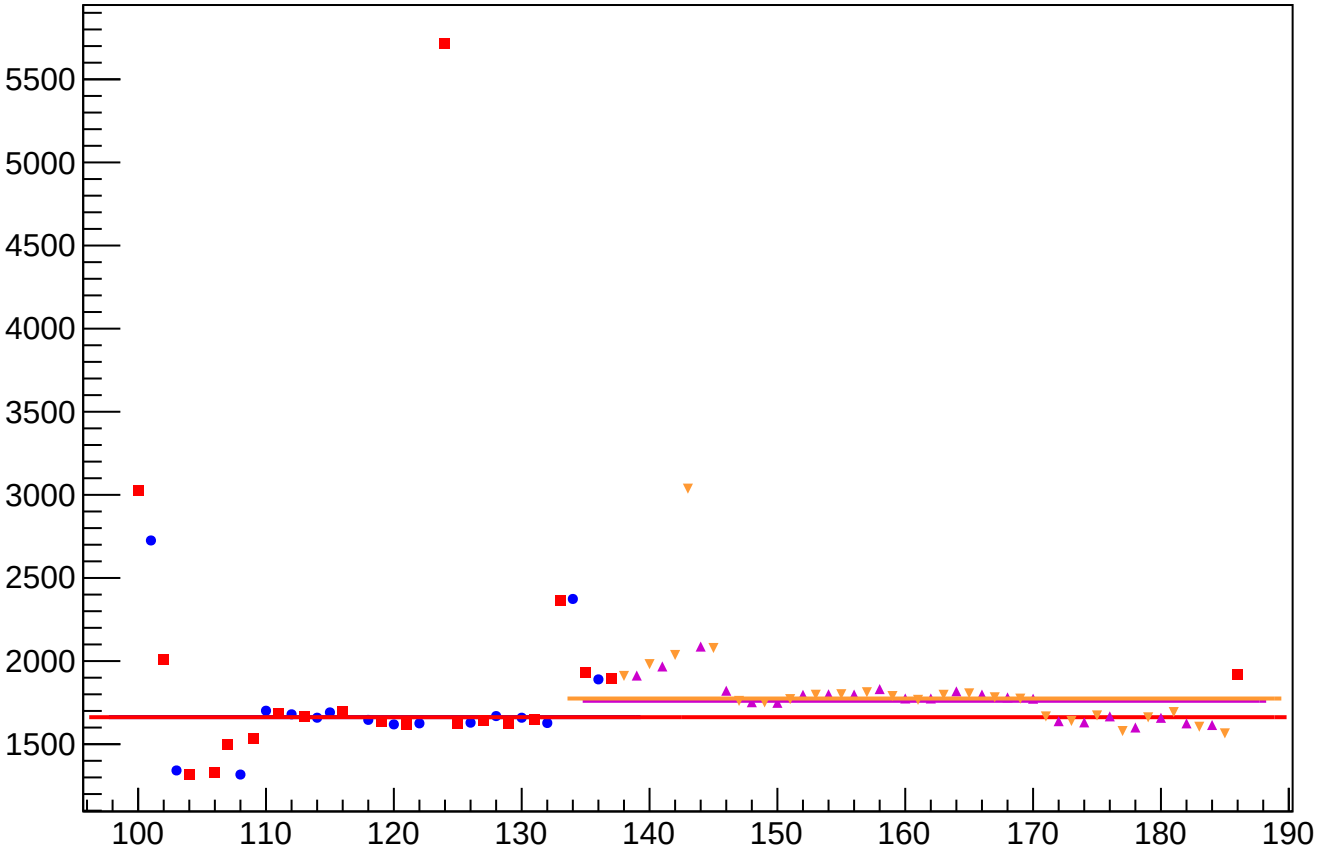
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1568.937+/-340.679 χ^2/NDF: 58.9/40

All: -514.929+/-241.073 χ^2/NDF: 162.5/83

- sign -2604.904+/-341.178 χ^2/NDF: 28.8/42

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1662.375+/-0.430 χ^2/NDF: 447129.6/19

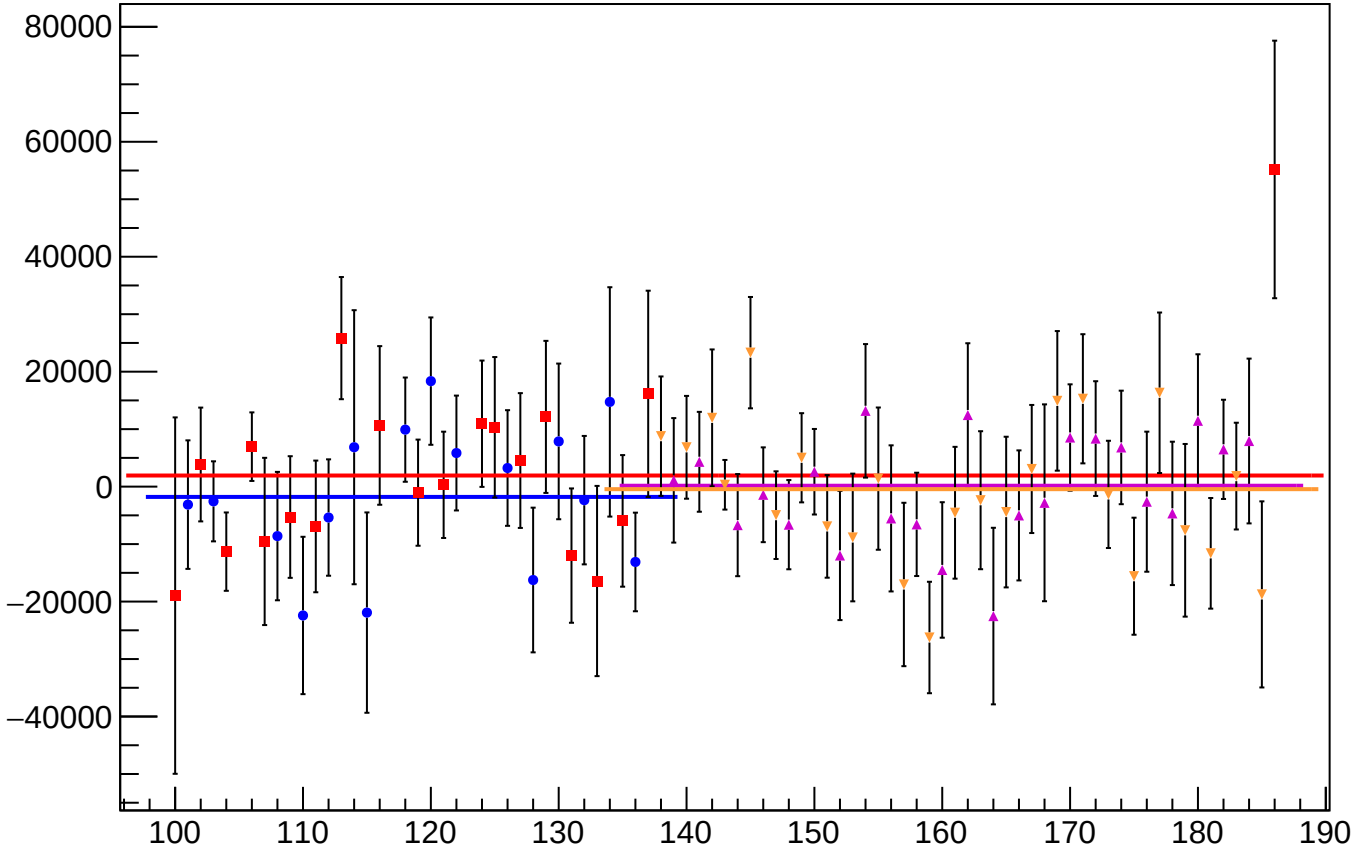
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1741.820+/-0.241 χ^2/NDF: 907283.0/40

All: 1735.941+/-0.170 χ^2/NDF: 1537965.8/83

- sign 1730.045+/-0.241 χ^2/NDF: 629490.0/42

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 1932.668+/-2415.897 χ^2/NDF: 23.4/19

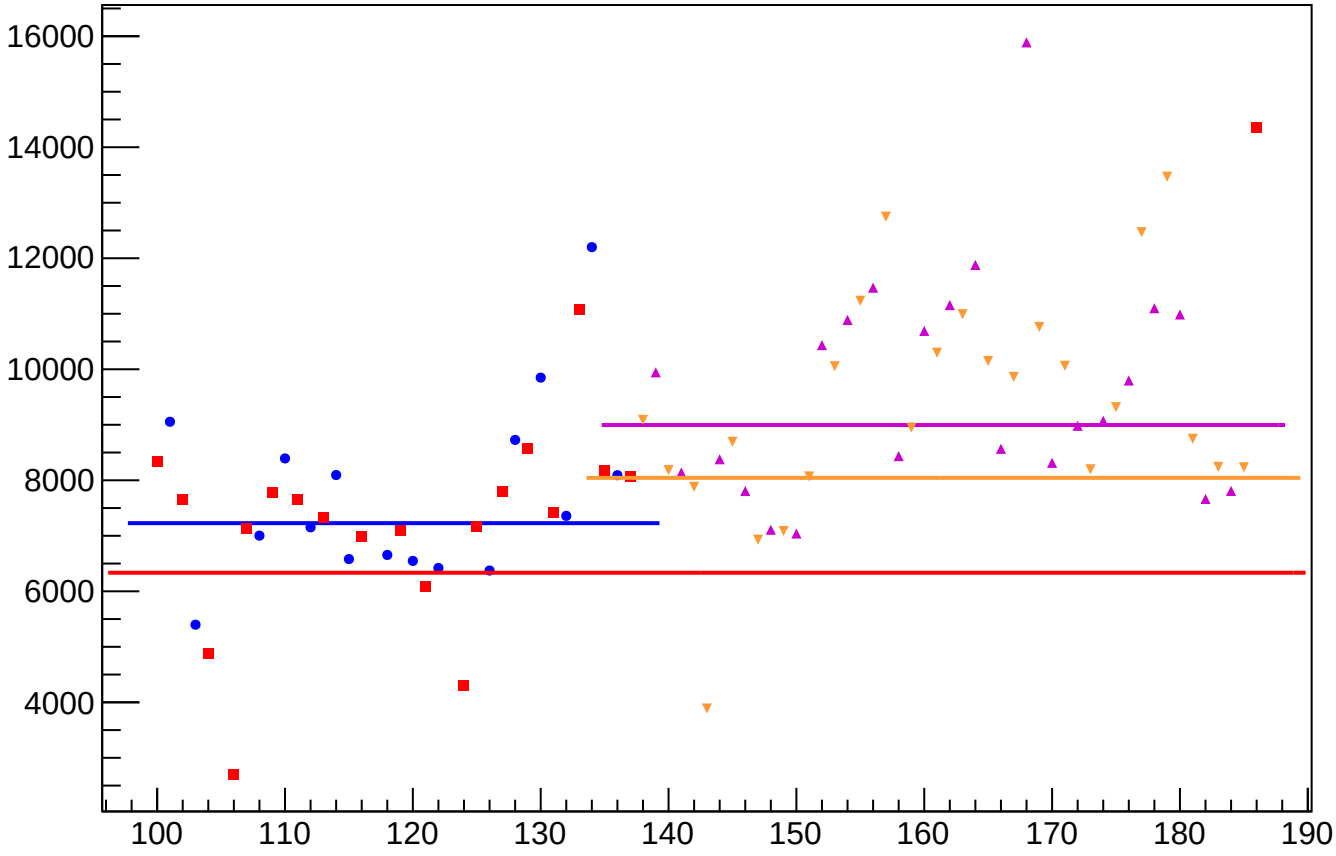
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -888.115+/-1576.146 χ^2/NDF: 44.0/40

All: 9.381+/-1124.006 χ^2/NDF: 82.2/83

- sign 938.152+/-1603.373 χ^2/NDF: 37.5/42

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

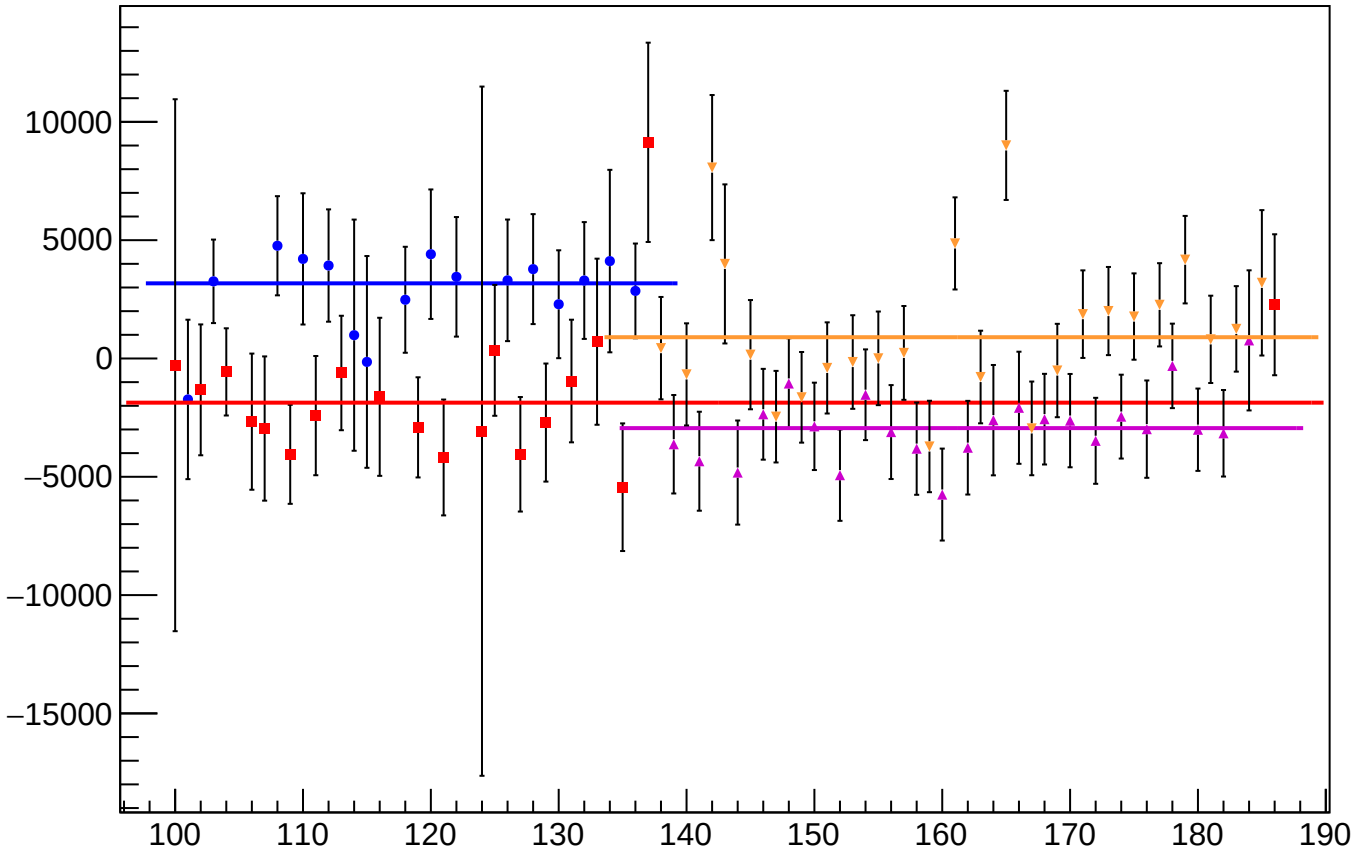
Right Out: 6334.807+/-1.708 χ^2/NDF: 1657871.3/19

Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 7774.453+/-1.115 χ^2/NDF: 3984698.5/40

All: 7798.619+/-0.795 χ^2/NDF: 8208130.2/83

- sign 7823.626+/-1.134 χ^2/NDF: 4222475.1/42



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1867.090+/-608.398 χ^2/NDF: 16.1/19

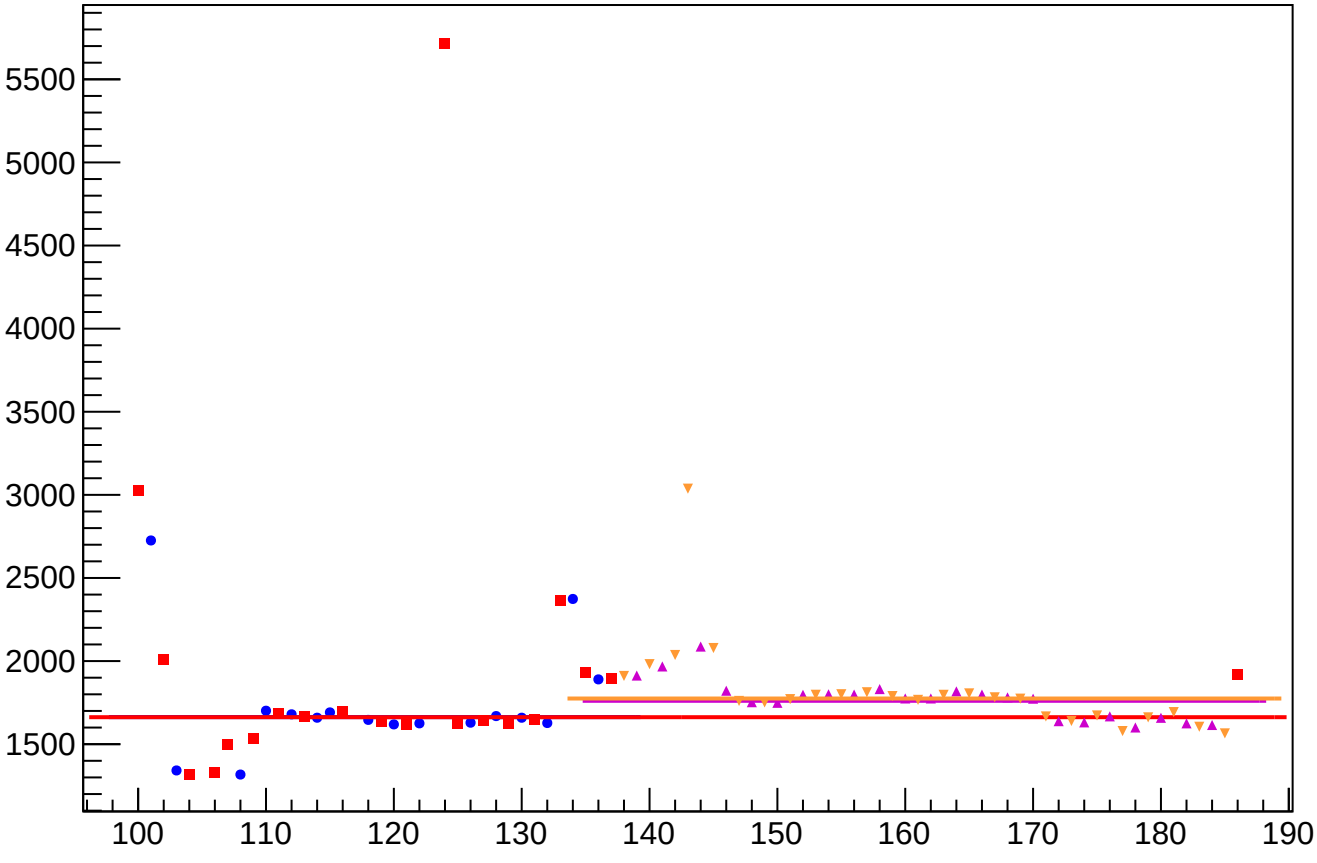
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1568.907+/-340.679 χ^2/NDF: 58.9/40

All: -514.877+/-241.073 χ^2/NDF: 162.5/83

- sign -2604.770+/-341.178 χ^2/NDF: 28.8/42

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1662.375+/-0.430 χ^2/NDF: 447129.6/19

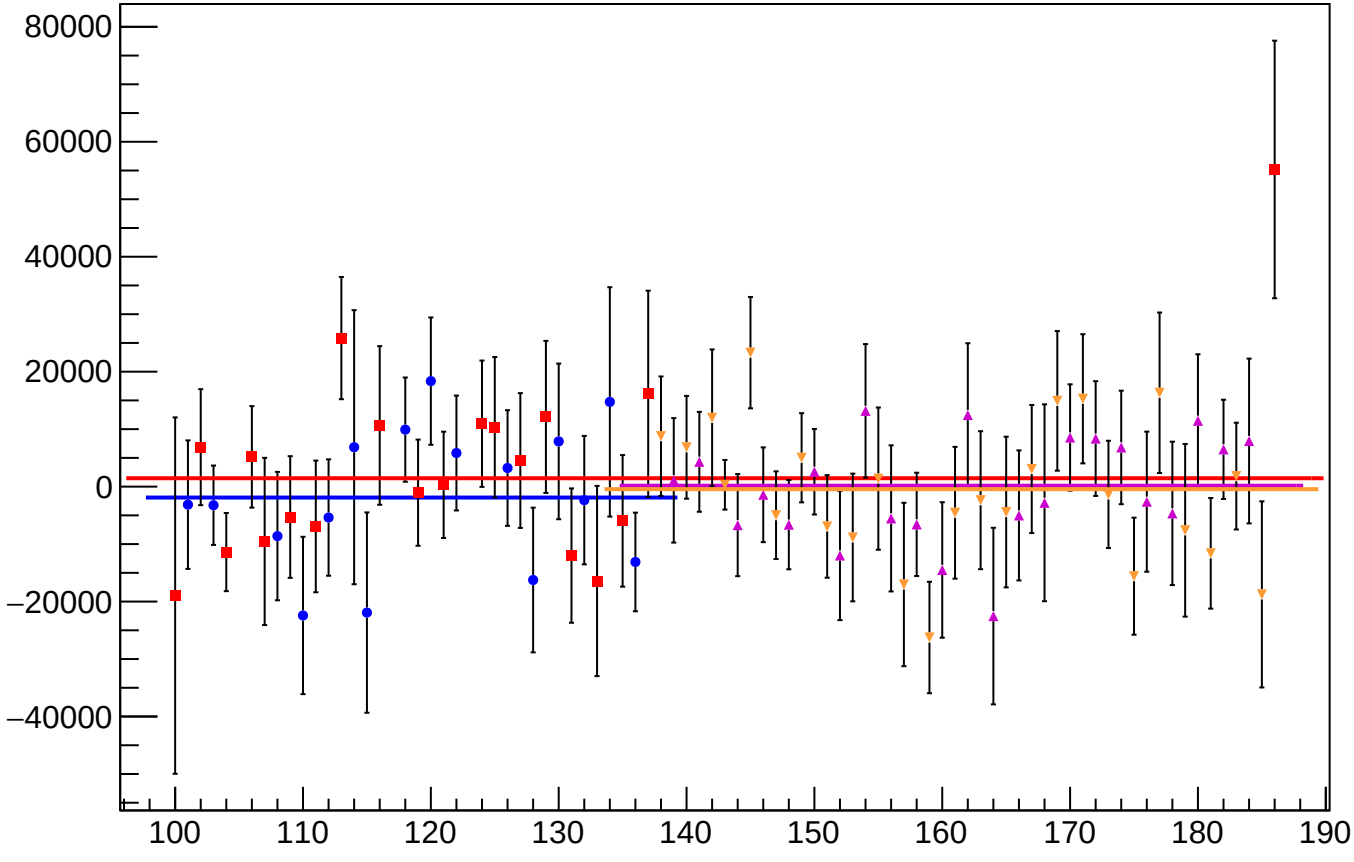
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1741.820+/-0.241 χ^2/NDF: 907283.4/40

All: 1735.941+/-0.170 χ^2/NDF: 1537966.4/83

- sign 1730.045+/-0.241 χ^2/NDF: 629490.2/42

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 1458.331+/-2533.590 χ^2/NDF: 23.1/19

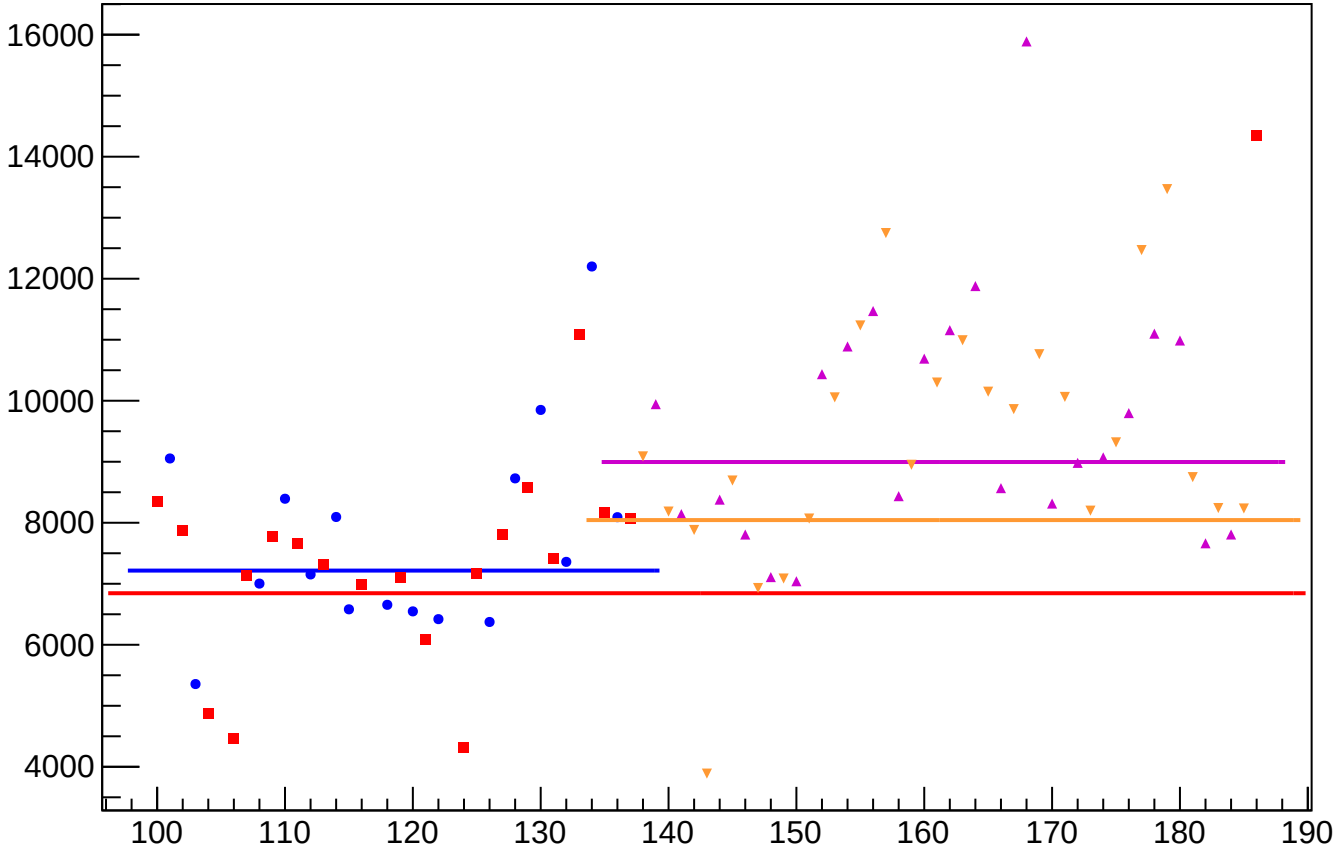
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -925.006+/-1575.449 χ^2/NDF: 44.0/40

All: -143.889+/-1134.950 χ^2/NDF: 81.6/83

- sign 698.848+/-1636.410 χ^2/NDF: 37.1/42

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 6844.908+/-1.792 χ^2/NDF: 935953.7/19

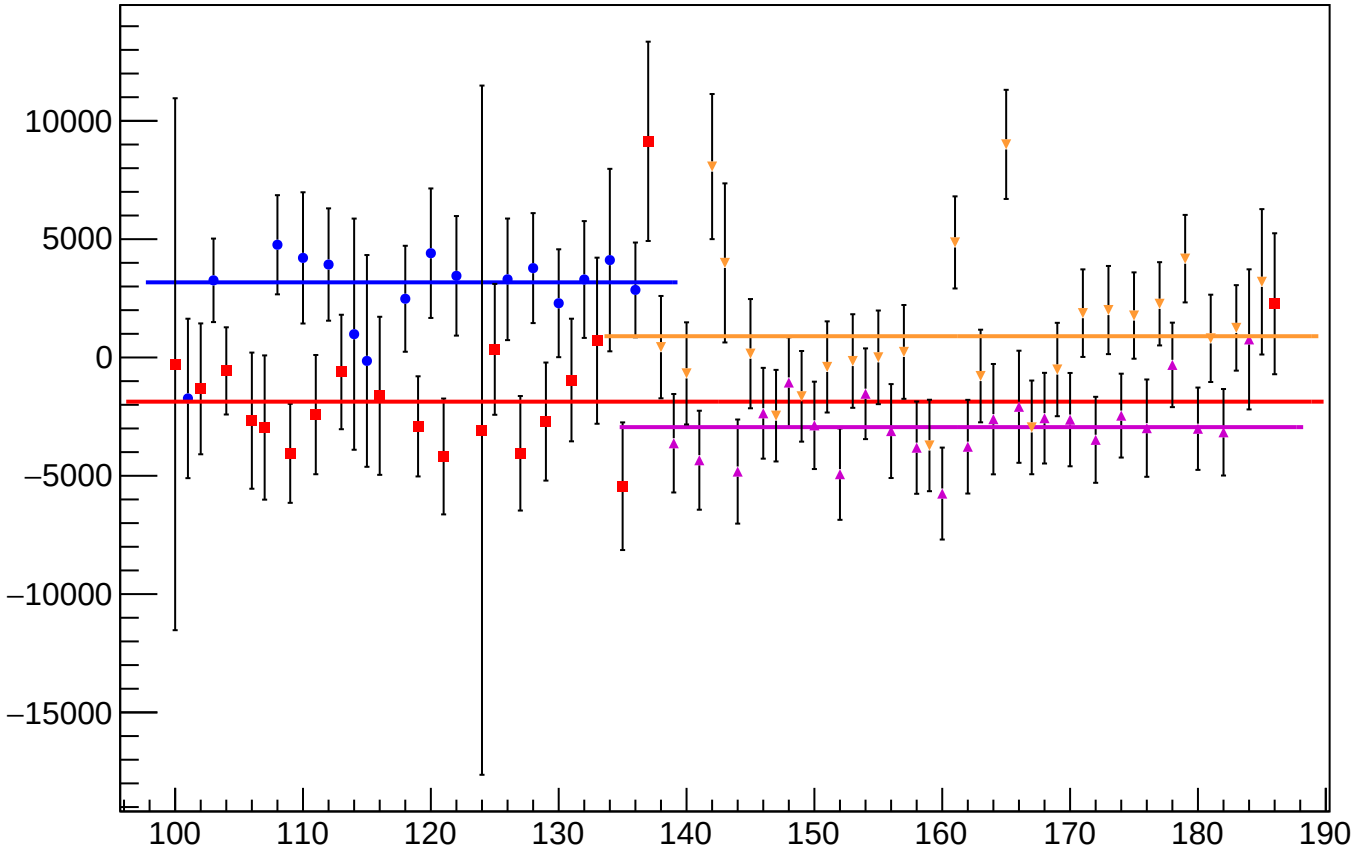
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

\+ sign 7770.133+/-1.114 χ^2/NDF: 3997235.7/40

All: 7928.042+/-0.803 χ^2/NDF: 7022067.5/83

\- sign 8098.408+/-1.157 χ^2/NDF: 2983061.5/42

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1867.090+/-608.398 χ^2/NDF: 16.1/19

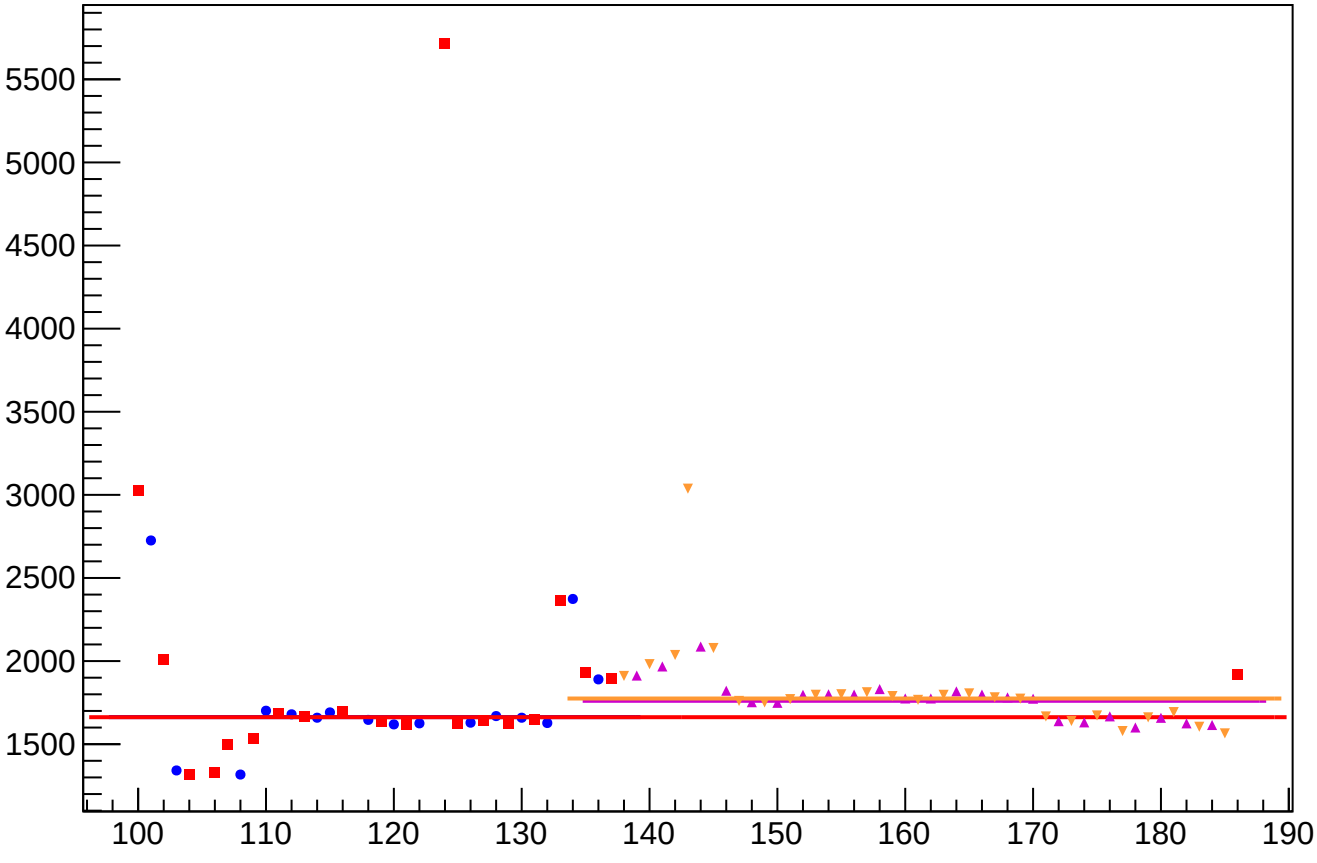
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1568.907+/-340.679 χ^2/NDF: 58.9/40

All: -514.877+/-241.073 χ^2/NDF: 162.5/83

- sign -2604.770+/-341.178 χ^2/NDF: 28.8/42

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

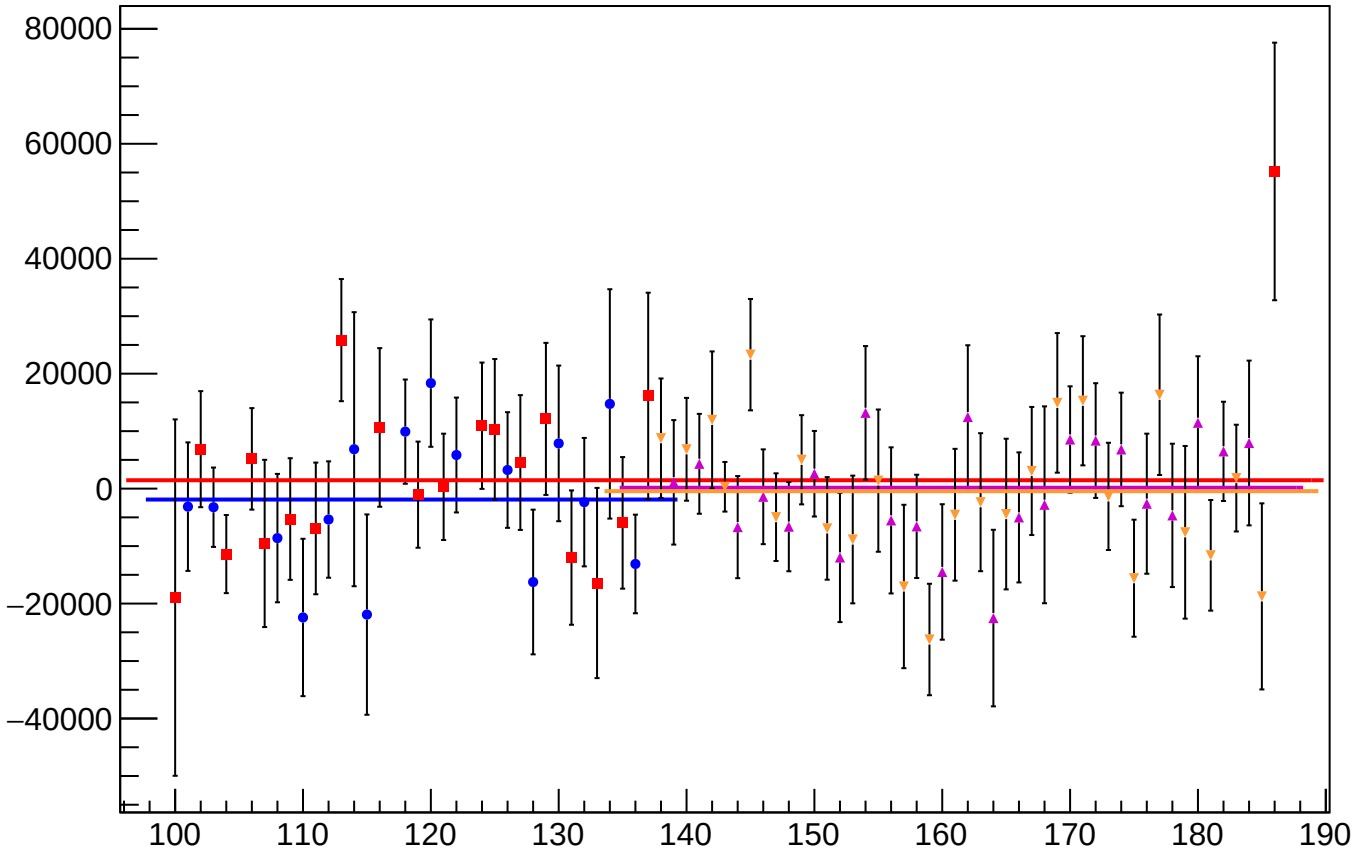
Right Out: 1662.375+/-0.430 χ^2/NDF: 447129.6/19

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1741.820+/-0.241 χ^2/NDF: 907283.4/40

All: 1735.941+/-0.170 χ^2/NDF: 1537966.4/83

- sign 1730.045+/-0.241 χ^2/NDF: 629490.2/42



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 1458.331+/-2533.590 χ^2/NDF: 23.1/19

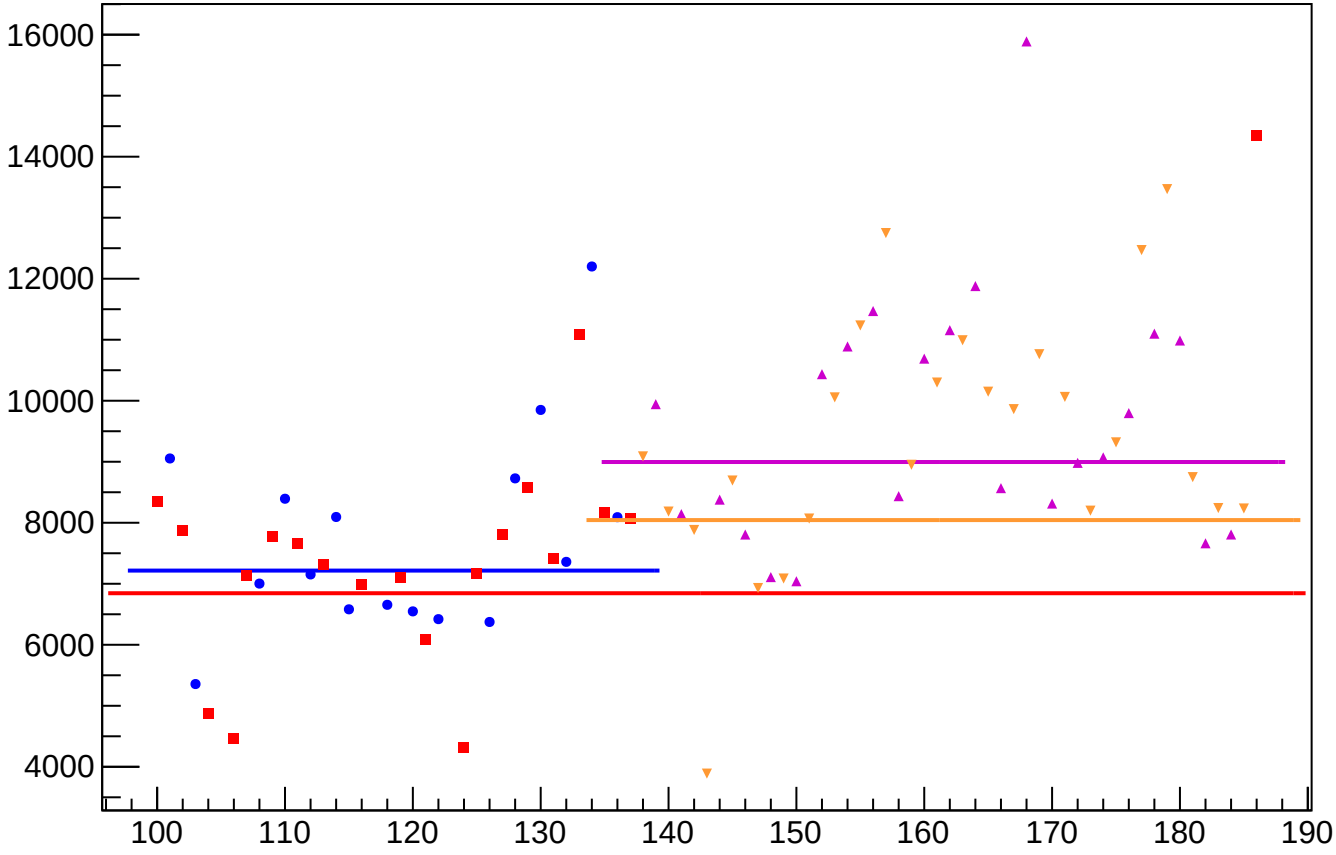
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -925.006+/-1575.449 χ^2/NDF: 44.0/40

All: -143.889+/-1134.950 χ^2/NDF: 81.6/83

- sign 698.848+/-1636.410 χ^2/NDF: 37.1/42

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 6844.908+/-1.792 χ^2/NDF: 935953.7/19

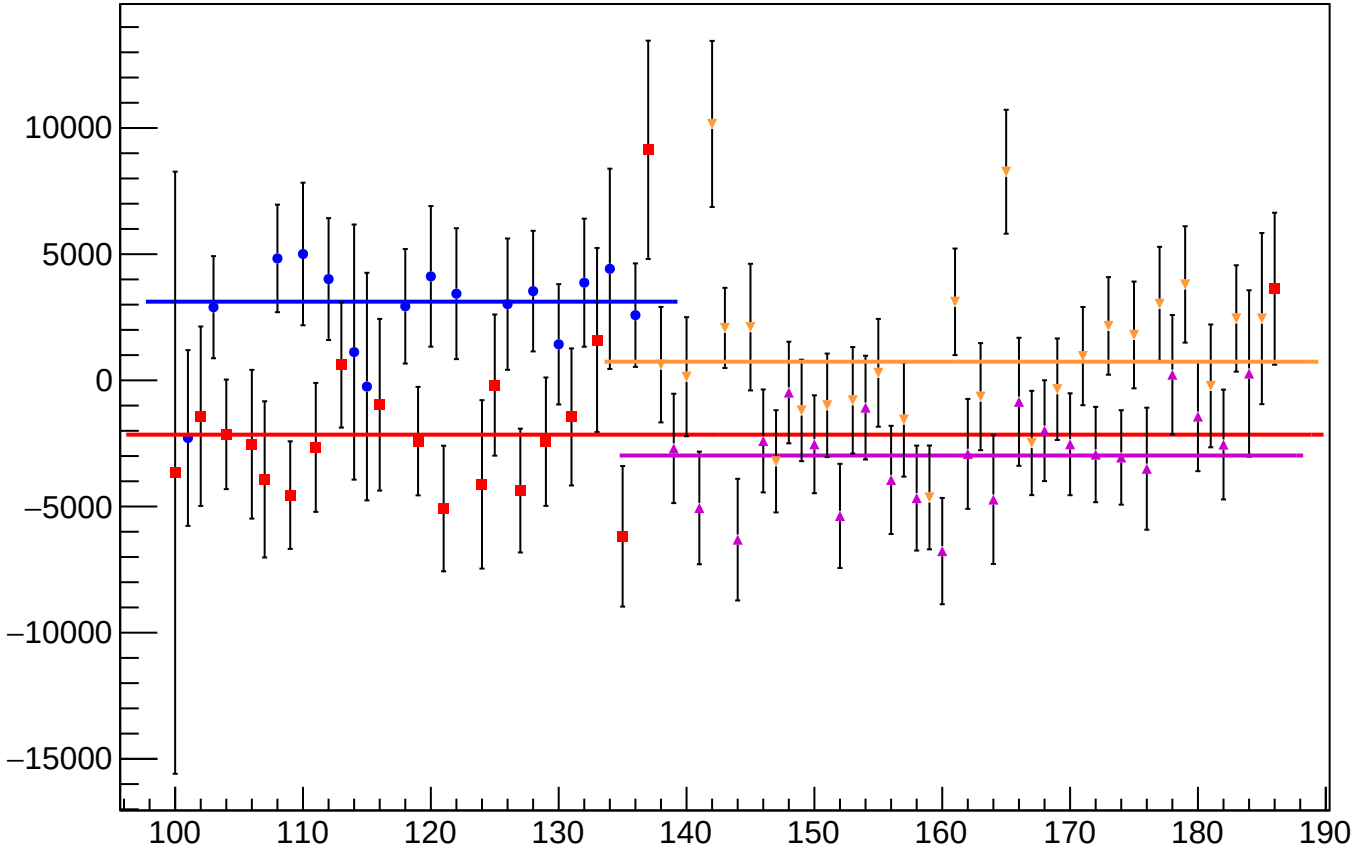
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

\+ sign 7770.133+/-1.114 χ^2/NDF: 3997235.7/40

All: 7928.042+/-0.803 χ^2/NDF: 7022067.5/83

\- sign 8098.408+/-1.157 χ^2/NDF: 2983061.5/42

dit_asym_at2_avg_mean vs Slug



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2152.202+/-625.105 χ^2/NDF: 19.8/19

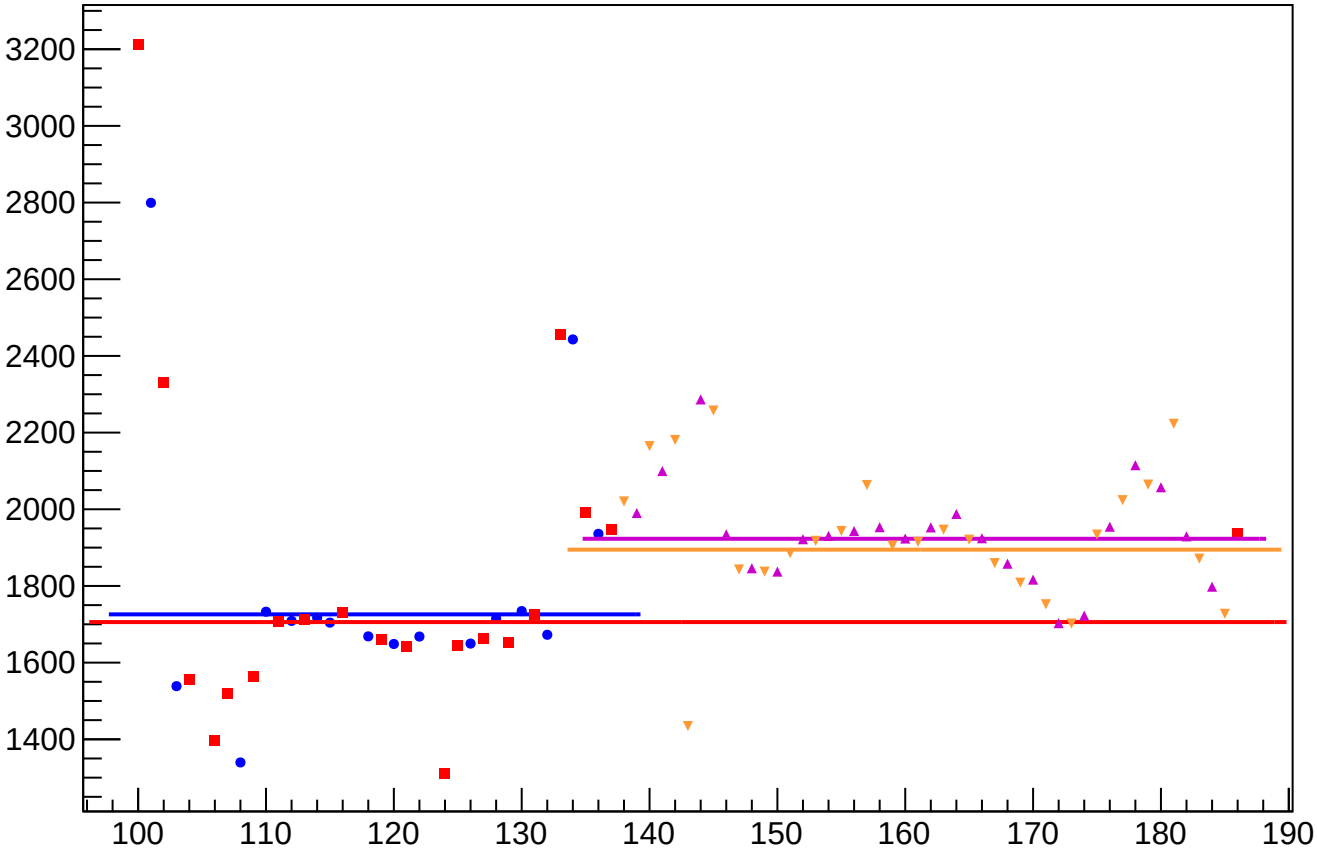
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1468.178+/-360.483 χ^2/NDF: 56.2/40

All: -586.084+/-256.617 χ^2/NDF: 158.6/83

- sign -2696.655+/-365.390 χ^2/NDF: 36.6/42

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1705.810+/-0.442 χ^2/NDF: 297992.6/19

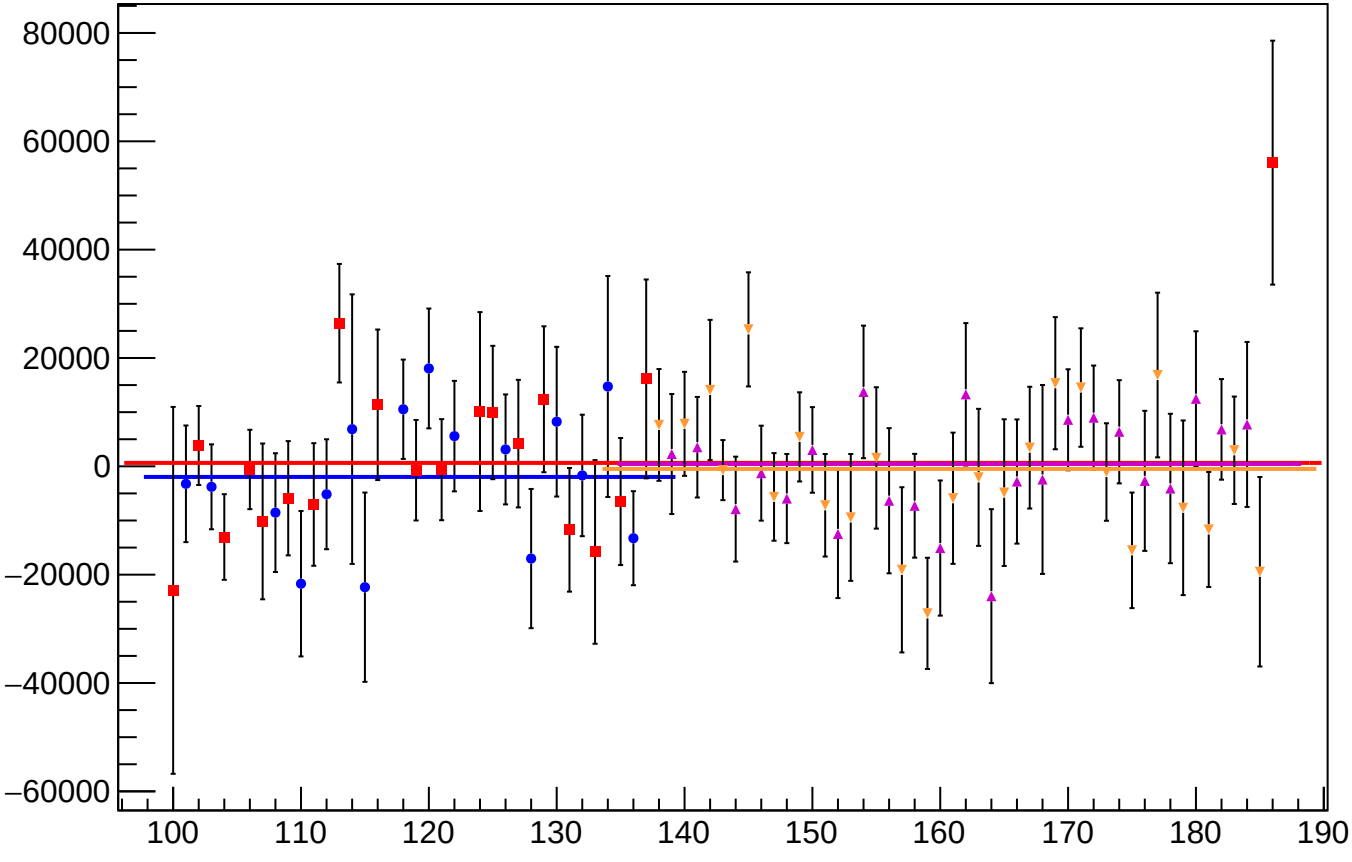
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1842.953+/-0.255 χ^2/NDF: 827413.2/40

All: 1845.829+/-0.181 χ^2/NDF: 1435717.4/83

- sign 1848.783+/-0.258 χ^2/NDF: 608046.2/42

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 631.332+/-2513.716 χ^2/NDF: 22.2/19

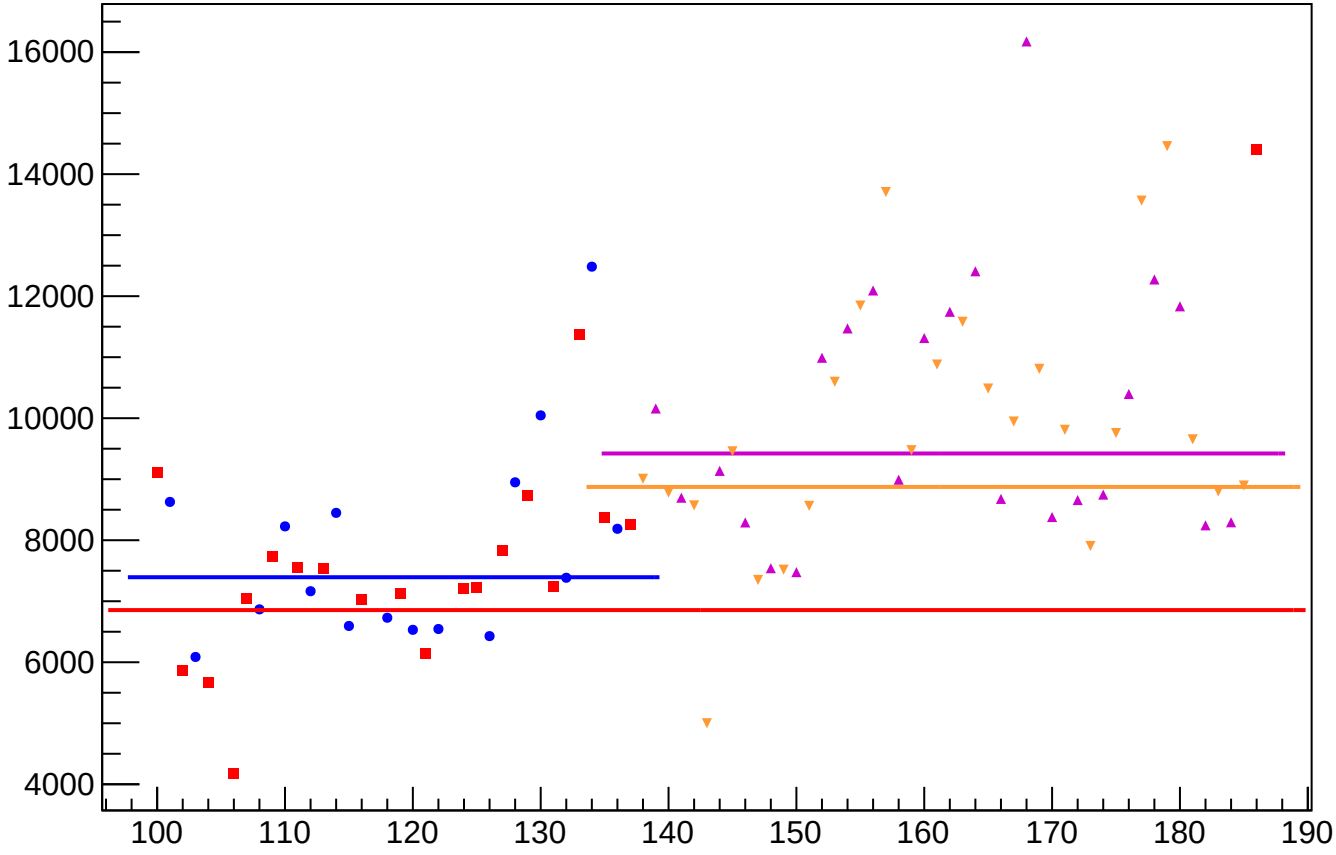
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -1008.770+/-1674.111 χ^2/NDF: 43.4/40

All: -243.026+/-1183.914 χ^2/NDF: 79.6/83

- sign 523.077+/-1674.502 χ^2/NDF: 35.8/42

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

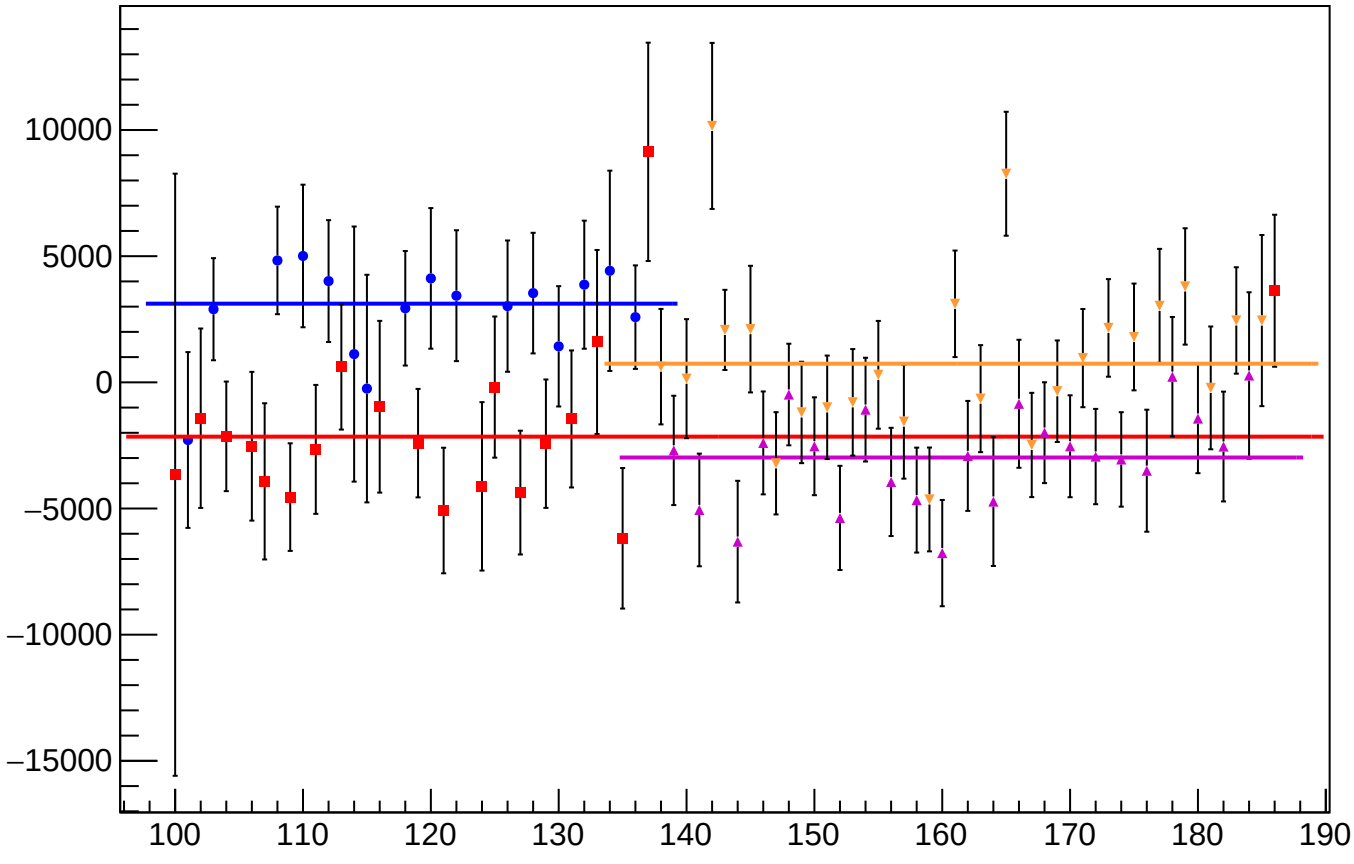
Right Out: 6854.792+/-1.777 χ^2/NDF: 872393.4/19

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8343.892+/-1.184 χ^2/NDF: 2964278.3/40

All: 8313.271+/-0.837 χ^2/NDF: 6202944.3/83

- sign 8282.636+/-1.184 χ^2/NDF: 3237327.5/42



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2152.215+/-625.105 χ^2/NDF: 19.8/19

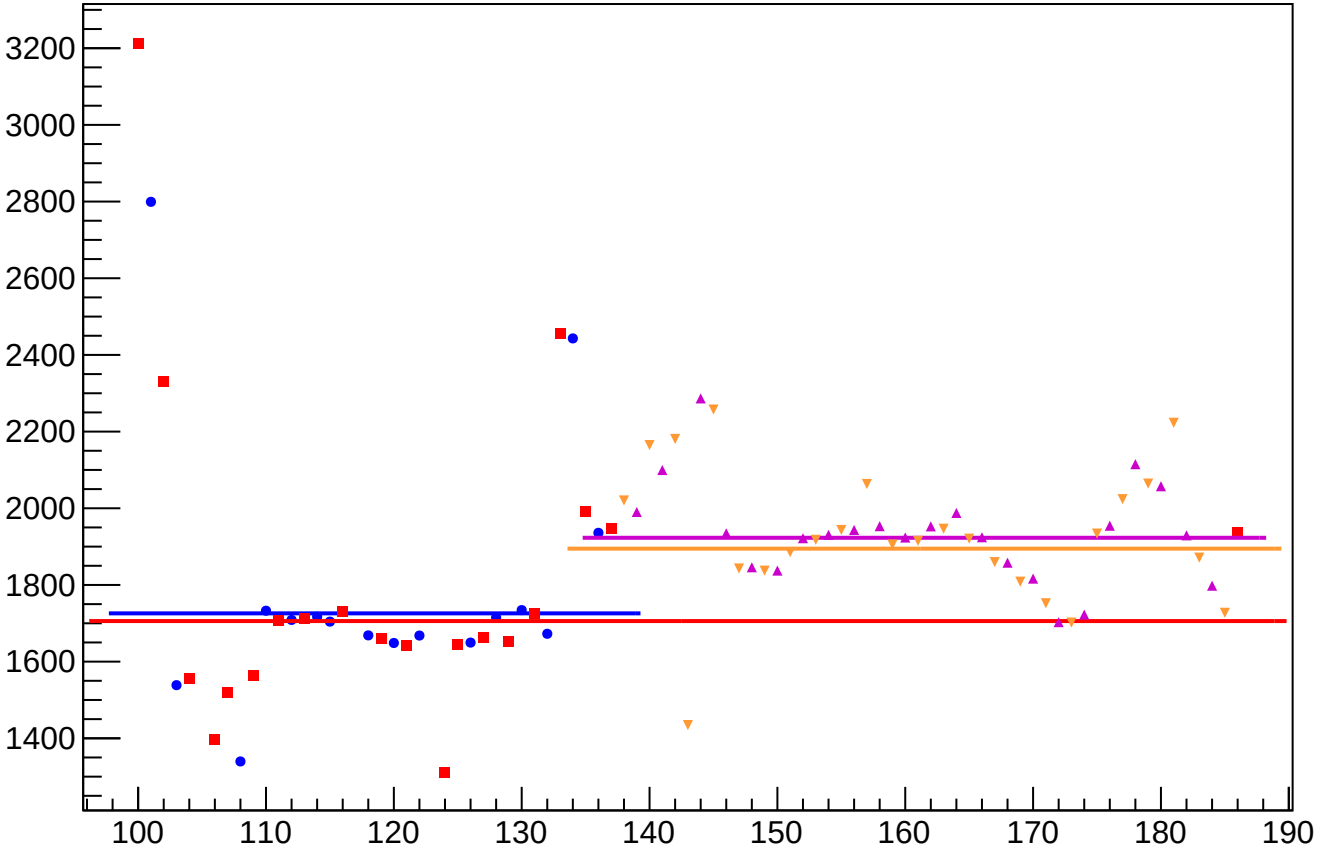
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1468.173+/-360.483 χ^2/NDF: 56.2/40

All: -586.088+/-256.618 χ^2/NDF: 158.6/83

- sign -2696.660+/-365.391 χ^2/NDF: 36.6/42

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

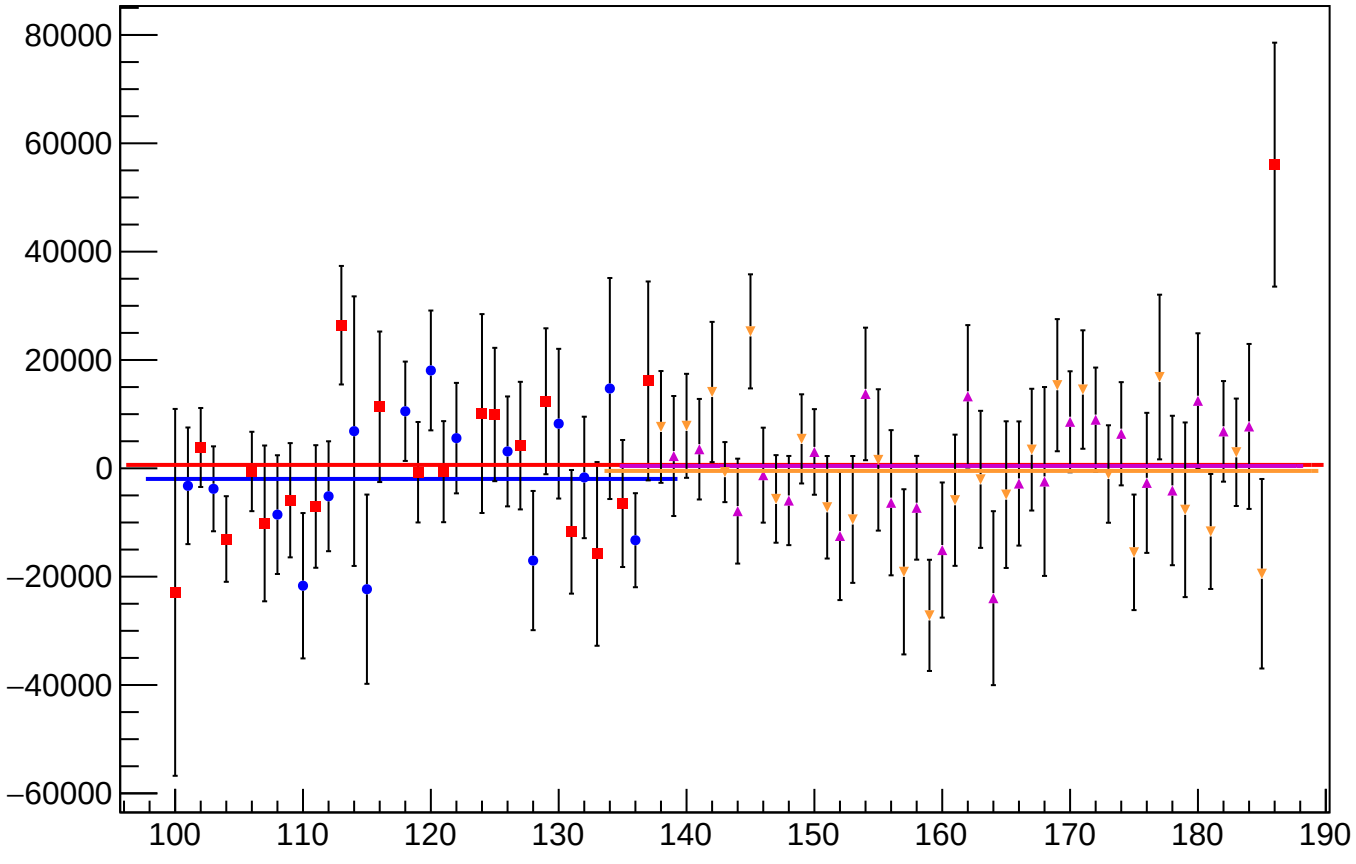
Right Out: 1705.809+/-0.442 χ^2/NDF: 297992.6/19

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1842.955+/-0.255 χ^2/NDF: 827424.7/40

All: 1845.831+/-0.181 χ^2/NDF: 1435741.8/83

- sign 1848.785+/-0.258 χ^2/NDF: 608059.0/42



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: 631.323+/-2513.710 χ^2/NDF: 22.2/19

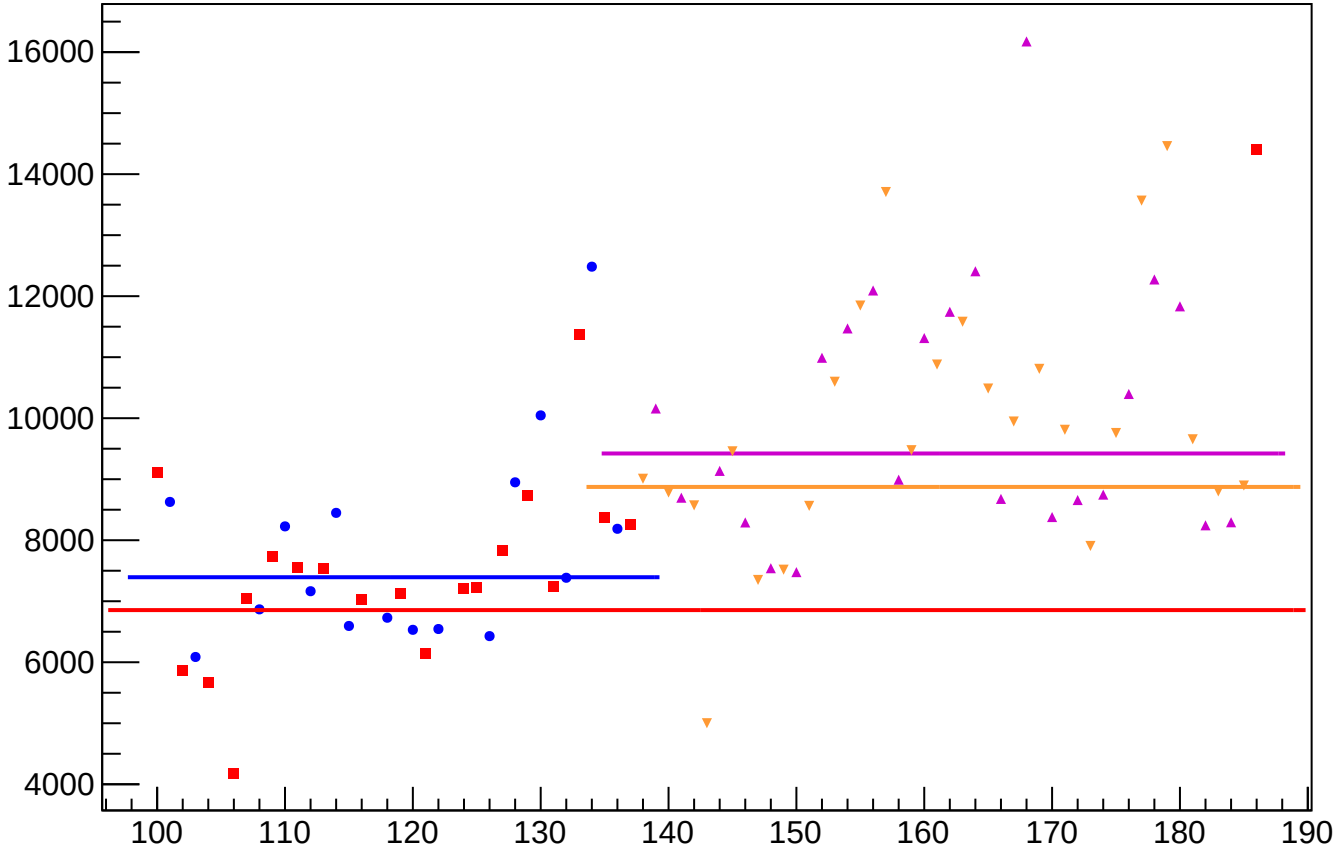
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -1008.770+/-1674.111 χ^2/NDF: 43.4/40

All: -243.026+/-1183.914 χ^2/NDF: 79.6/83

- sign 523.075+/-1674.502 χ^2/NDF: 35.8/42

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

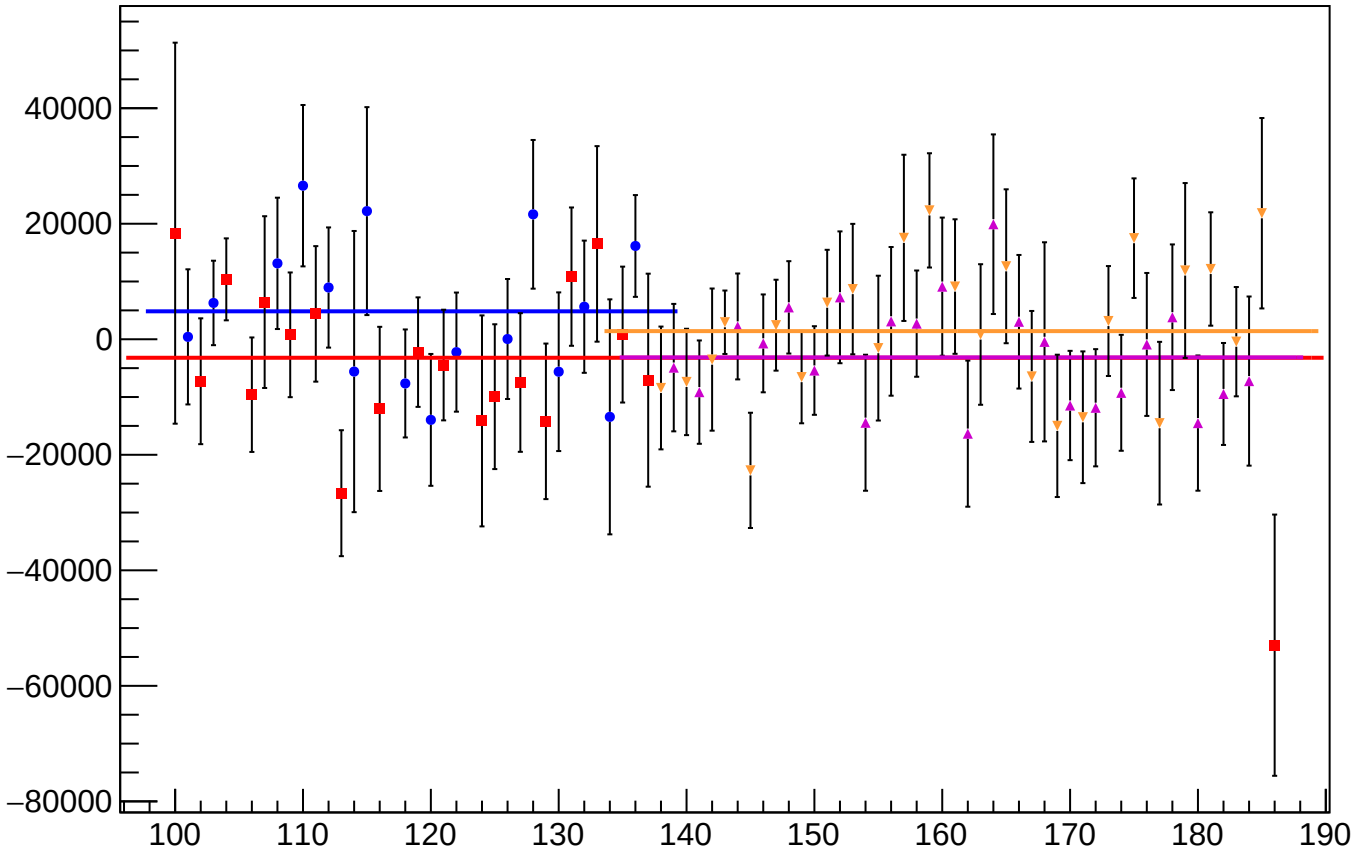
Right Out: 6854.777+/-1.777 χ^2/NDF: 872392.5/19

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8343.893+/-1.184 χ^2/NDF: 2964298.2/40

All: 8313.270+/-0.837 χ^2/NDF: 6202994.5/83

- sign 8282.633+/-1.184 χ^2/NDF: 3237357.7/42



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -3202.950+/-2676.579 χ^2/NDF: 19.8/19

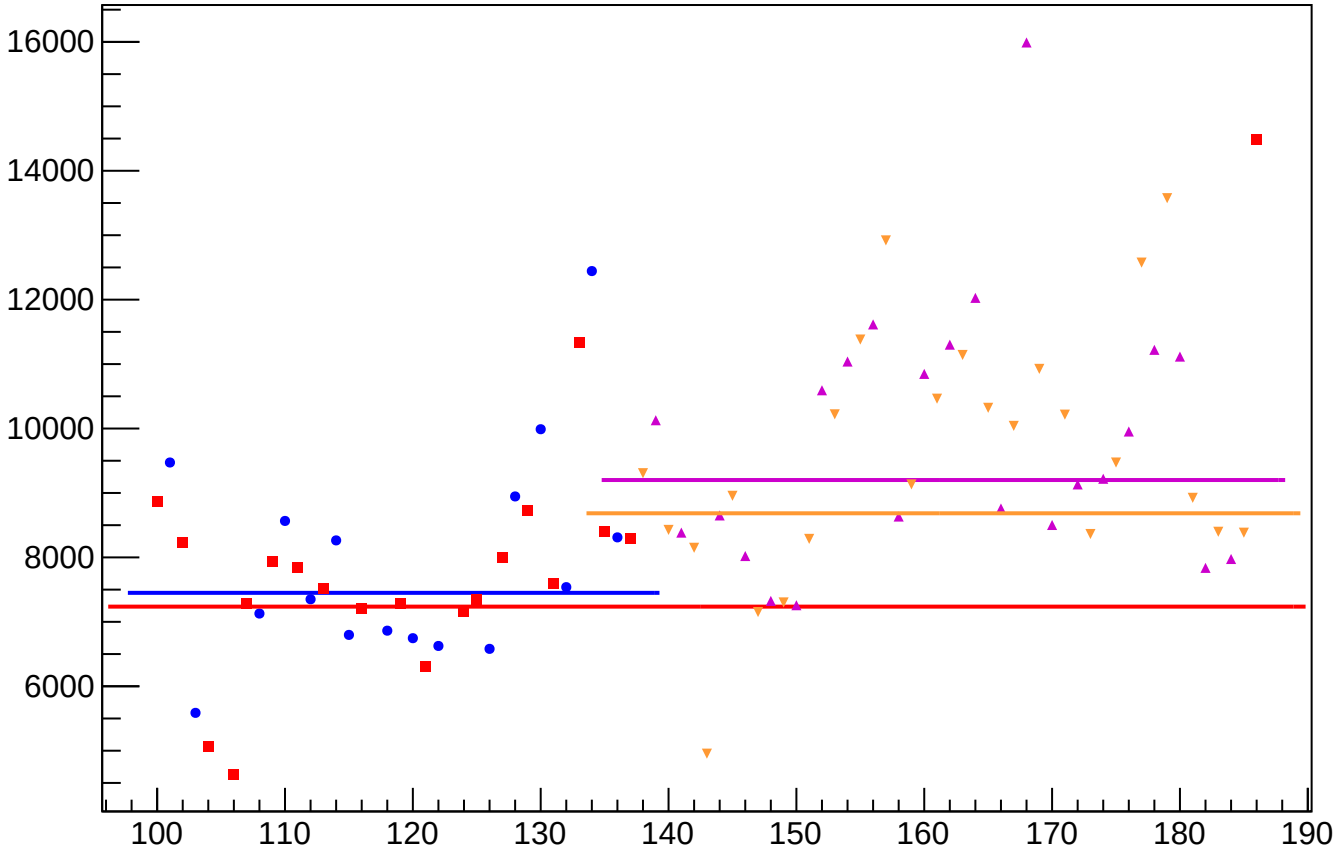
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2581.526+/-1654.598 χ^2/NDF: 42.7/40

All: -222.849+/-1183.900 χ^2/NDF: 81.4/83

- sign -3164.795+/-1694.696 χ^2/NDF: 32.8/42

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

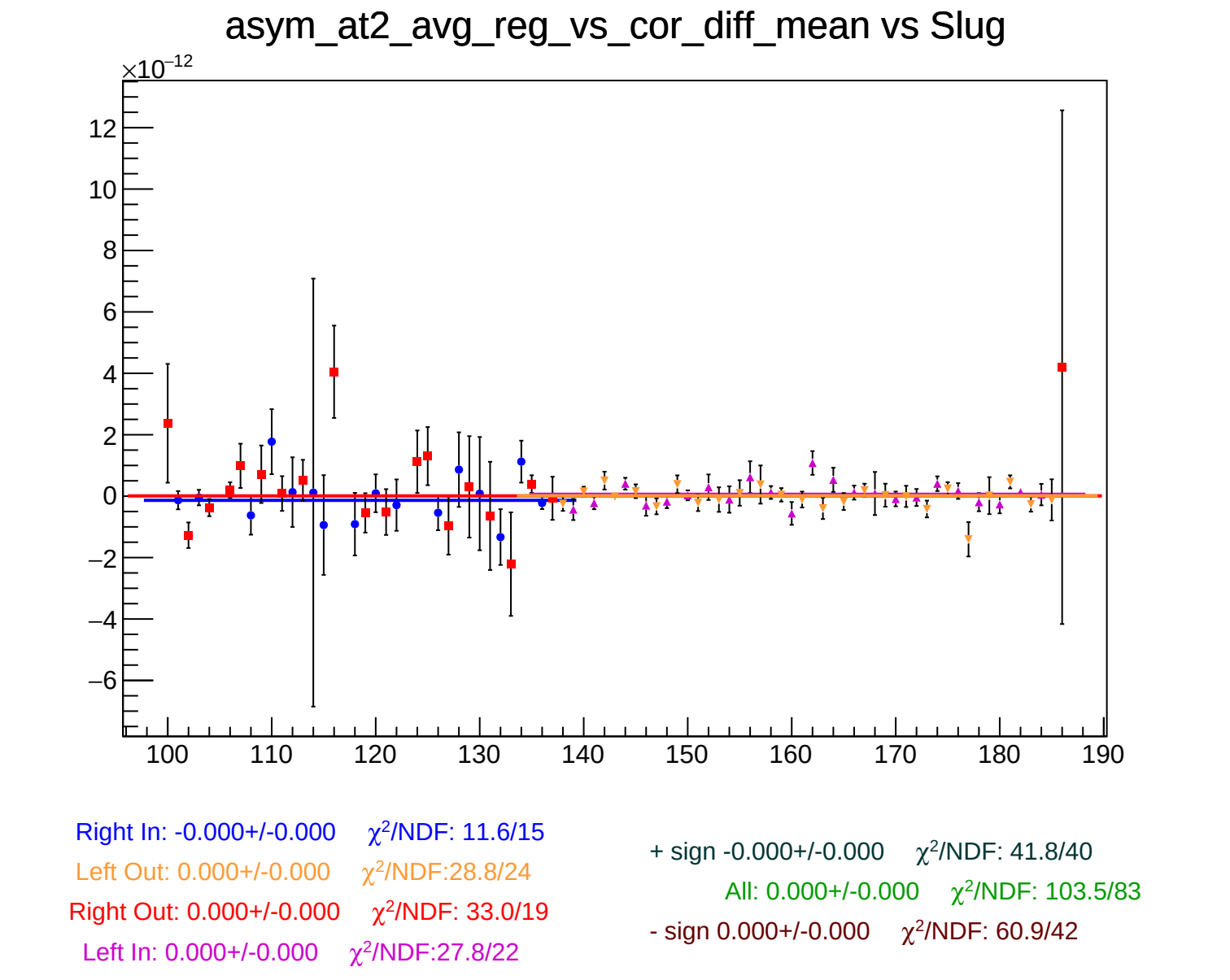
Right Out: 7236.067+/-1.892 χ^2/NDF: 765272.0/19

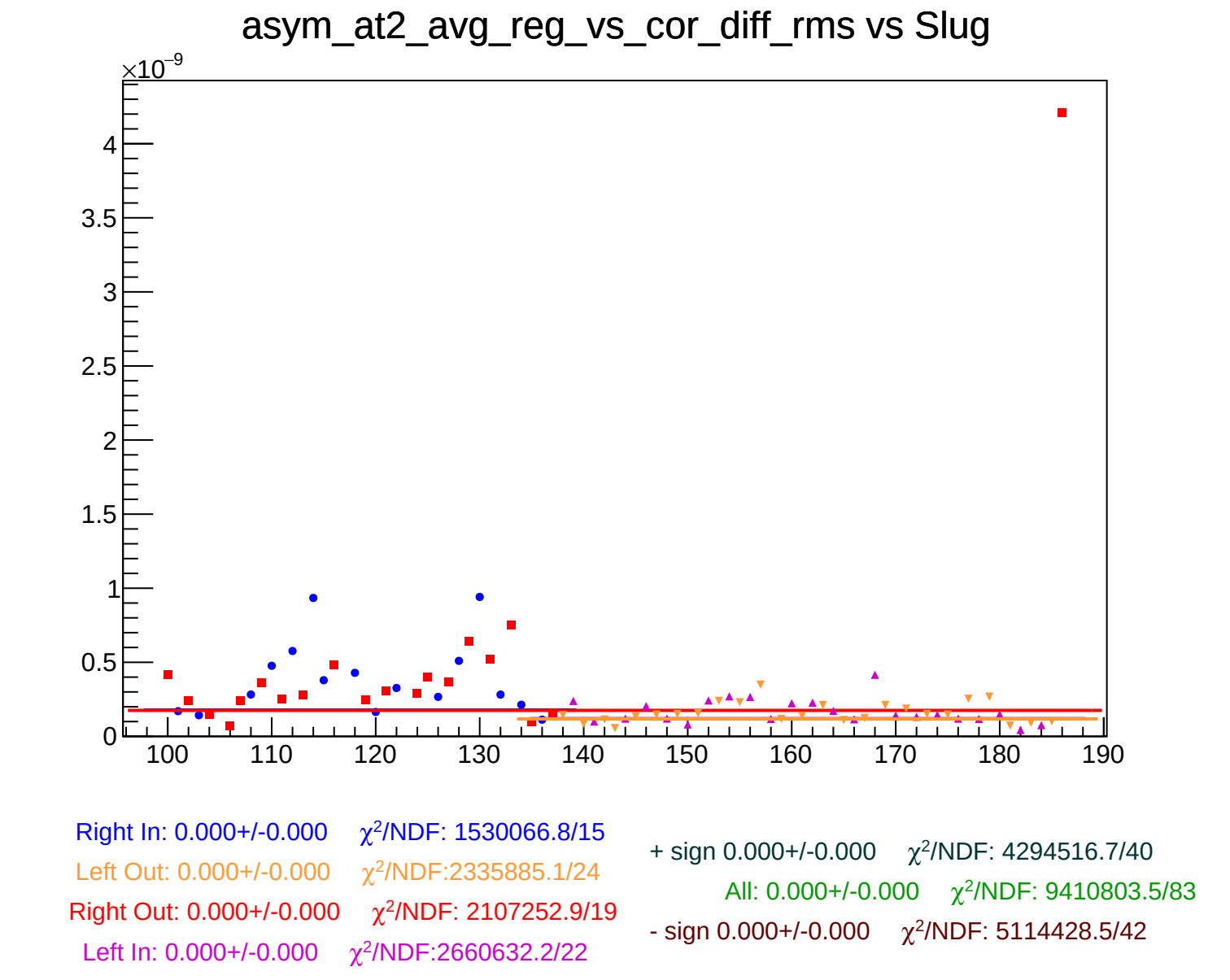
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8262.208+/-1.170 χ^2/NDF: 2788652.6/40

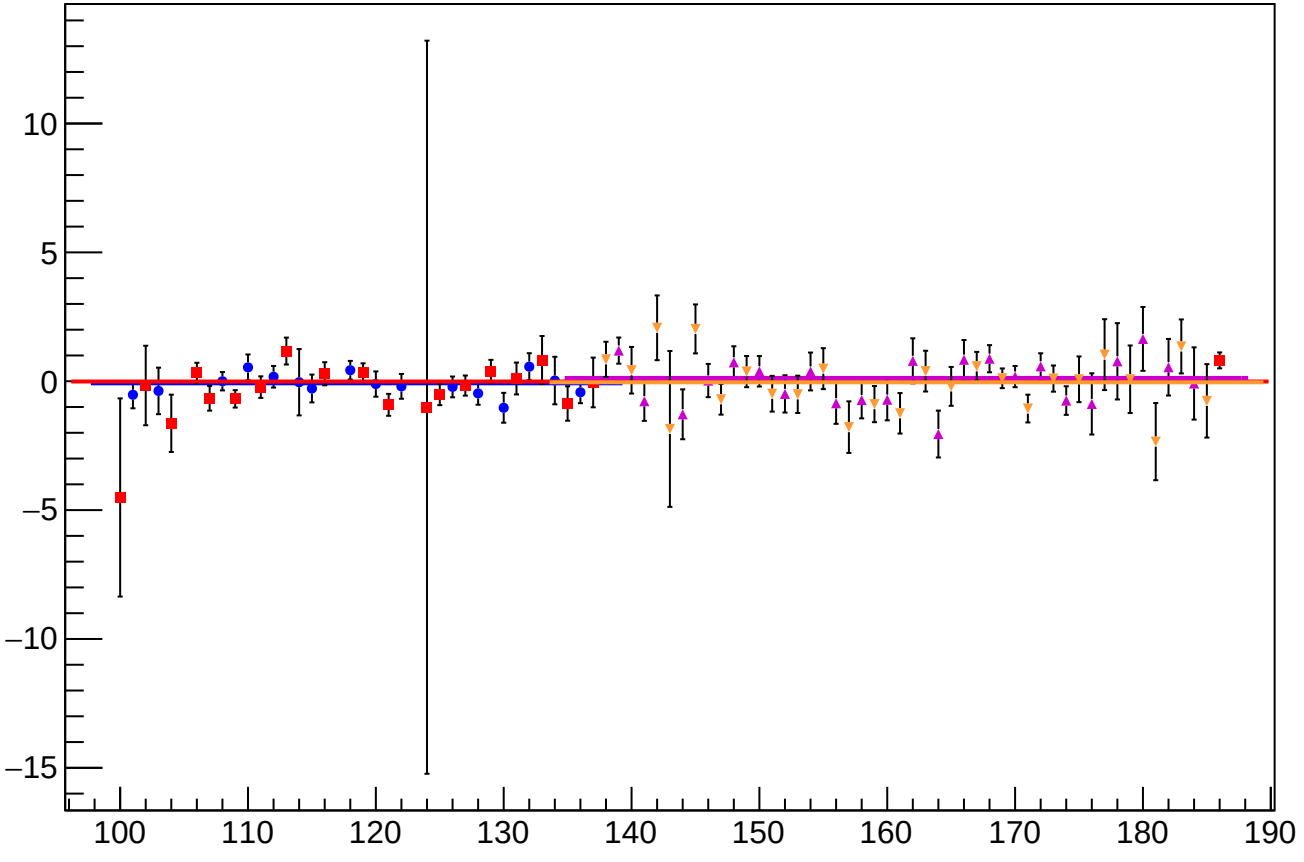
All: 8335.847+/-0.837 χ^2/NDF: 5337145.1/83

- sign 8413.094+/-1.198 χ^2/NDF: 2540375.4/42


asym_at2_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.6/15
Left Out: 0.000+/-0.000 χ²/NDF:28.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.0/19
Left In: 0.000+/-0.000 χ²/NDF:27.8/22
+ sign -0.000+/-0.000 χ²/NDF: 41.8/40
All: 0.000+/-0.000 χ²/NDF: 103.5/83
- sign 0.000+/-0.000 χ²/NDF: 60.9/42


asym_at2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
4
3.5
3
2.5
2
1.5
1
0.5
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1530066.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2335885.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 2107252.9/19
Left In: 0.000+/-0.000 χ²/NDF:2660632.2/22
+ sign 0.000+/-0.000 χ²/NDF: 4294516.7/40
All: 0.000+/-0.000 χ²/NDF: 9410803.5/83
- sign 0.000+/-0.000 χ²/NDF: 5114428.5/42

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.010+/-0.109 χ^2/NDF: 33.3/19

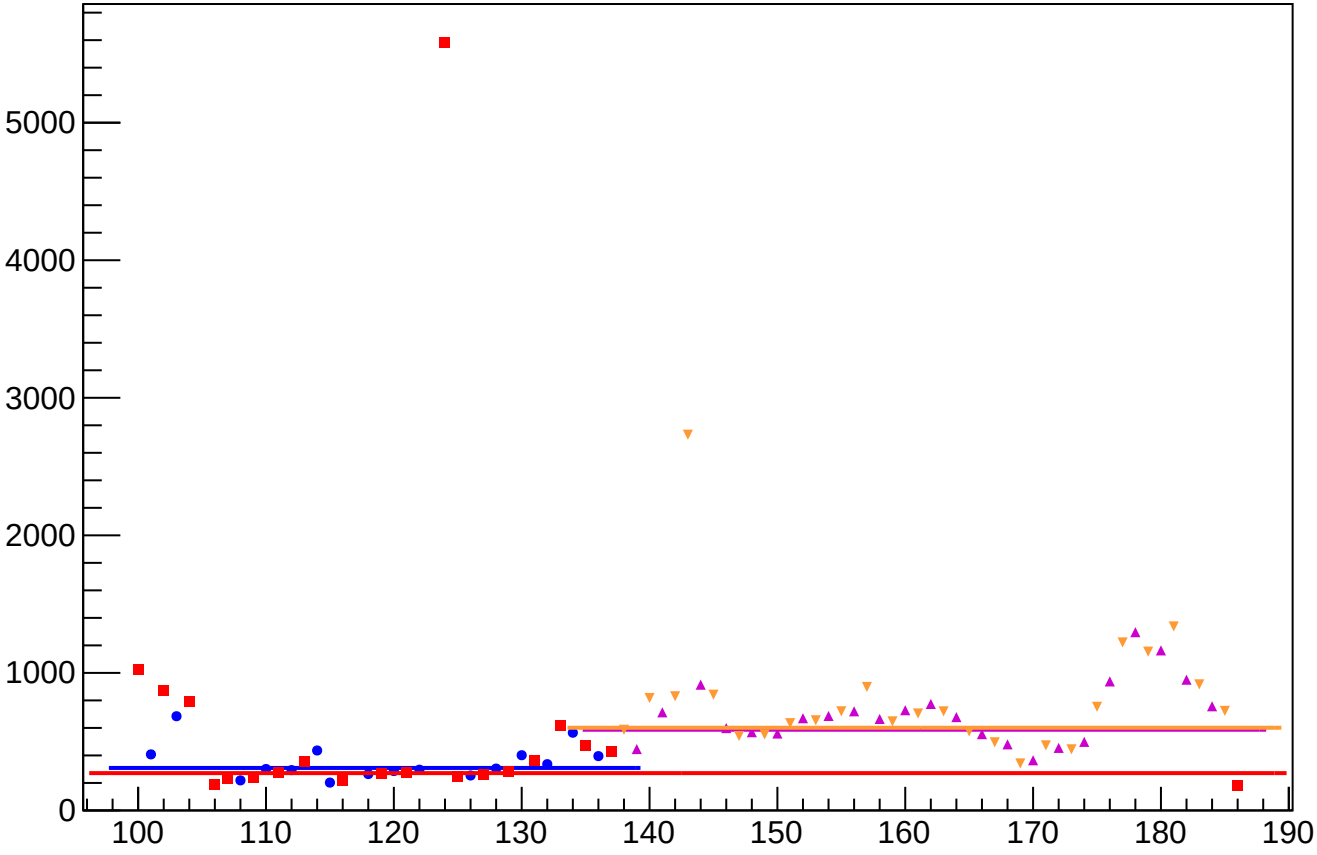
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.064+/-0.094 χ^2/NDF: 40.9/40

All: -0.008+/-0.064 χ^2/NDF: 104.5/83

- sign 0.040+/-0.087 χ^2/NDF: 62.9/42

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

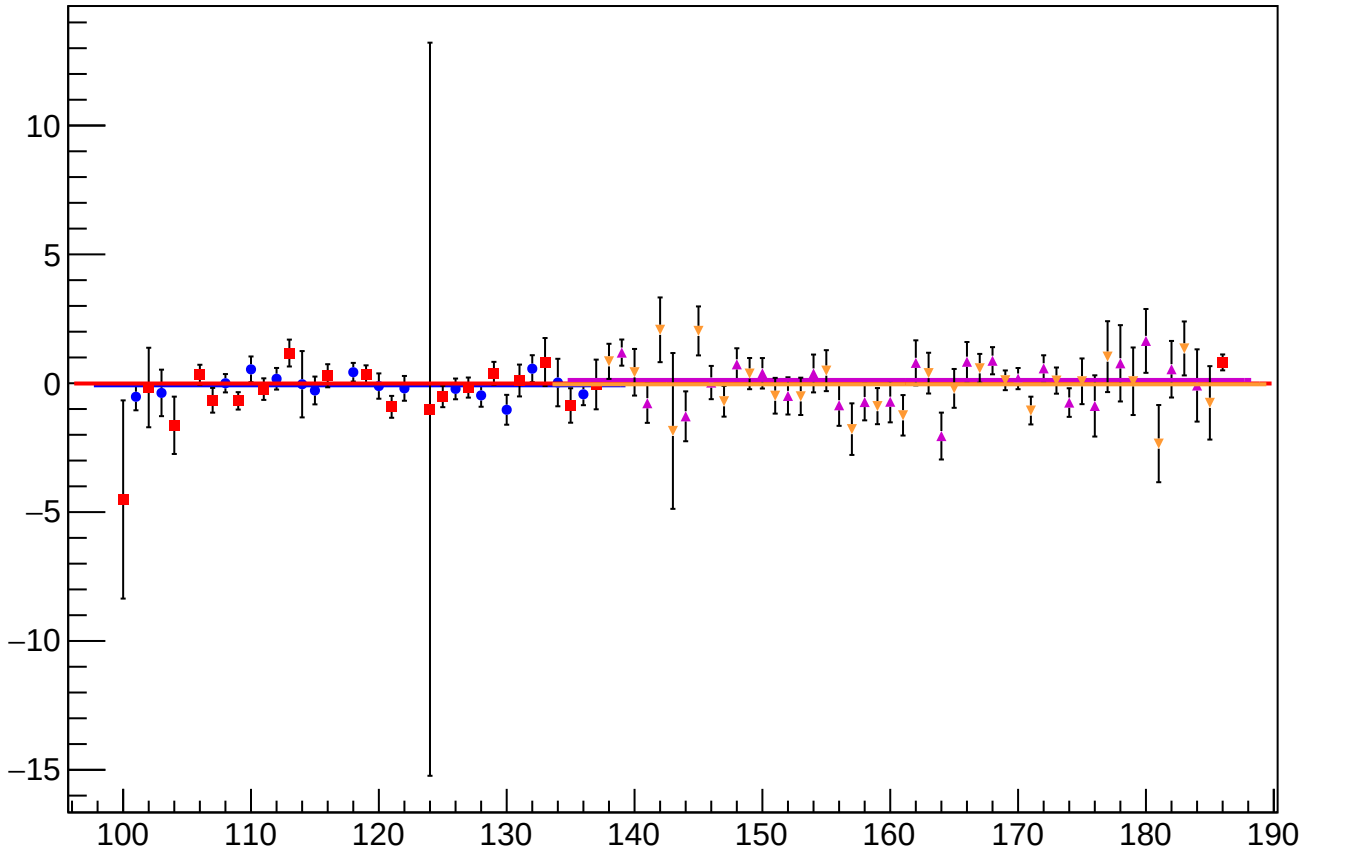
Right Out: 271.416+/-0.077 χ^2/NDF: 2046808.0/19

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 427.588+/-0.066 χ^2/NDF: 10136556.6/40

All: 405.033+/-0.045 χ^2/NDF: 21355039.9/83

- sign 385.540+/-0.062 χ^2/NDF: 11003597.1/42



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.010+/-0.109 χ^2/NDF: 33.3/19

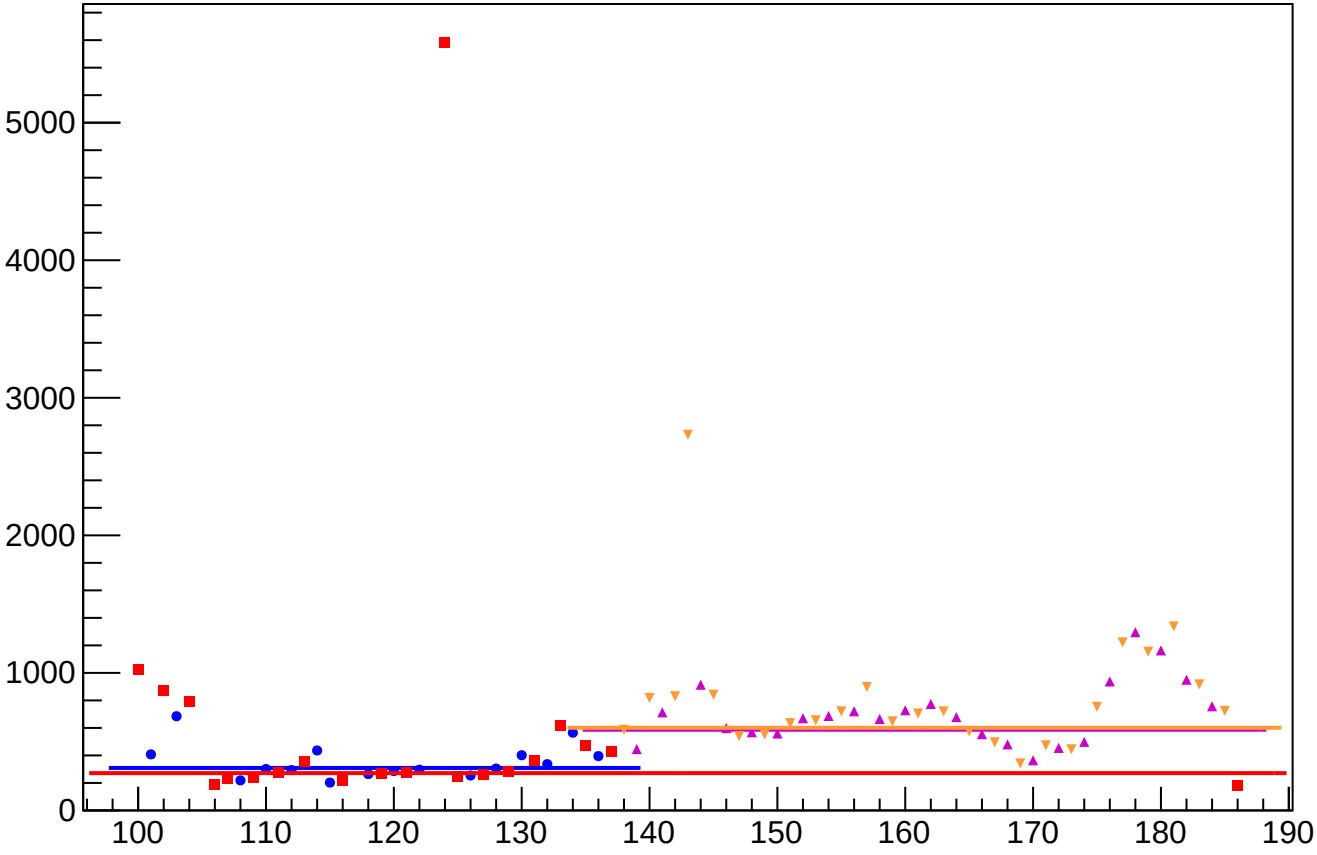
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

\+ sign -0.064+/-0.094 χ^2/NDF: 40.9/40

All: -0.008+/-0.064 χ^2/NDF: 104.5/83

\- sign 0.040+/-0.087 χ^2/NDF: 62.9/42

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

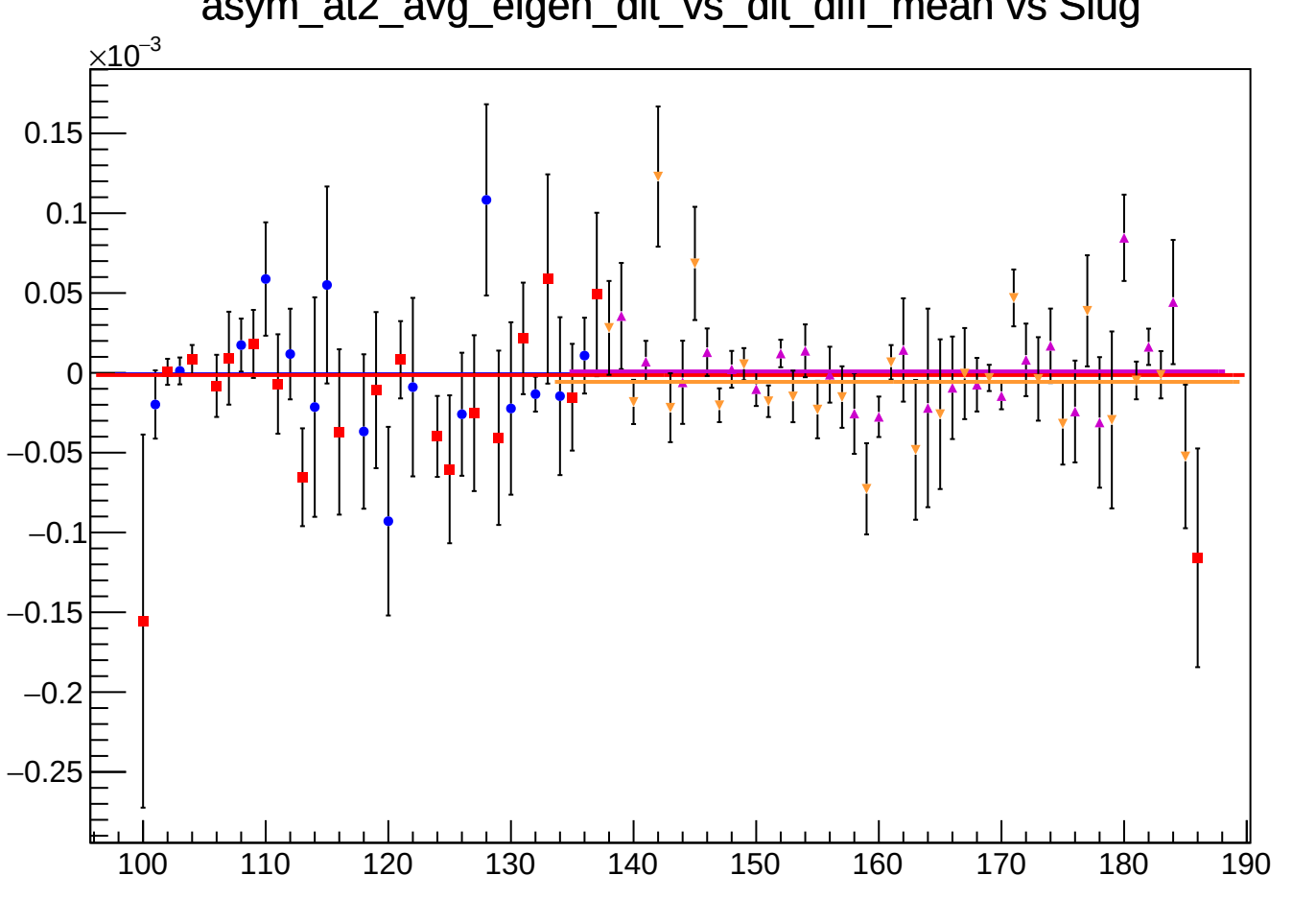
Right Out: 271.416+/-0.077 χ^2/NDF: 2046808.0/19

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 427.588+/-0.066 χ^2/NDF: 10136556.6/40

All: 405.033+/-0.045 χ^2/NDF: 21355039.9/83

- sign 385.540+/-0.062 χ^2/NDF: 11003597.1/42



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

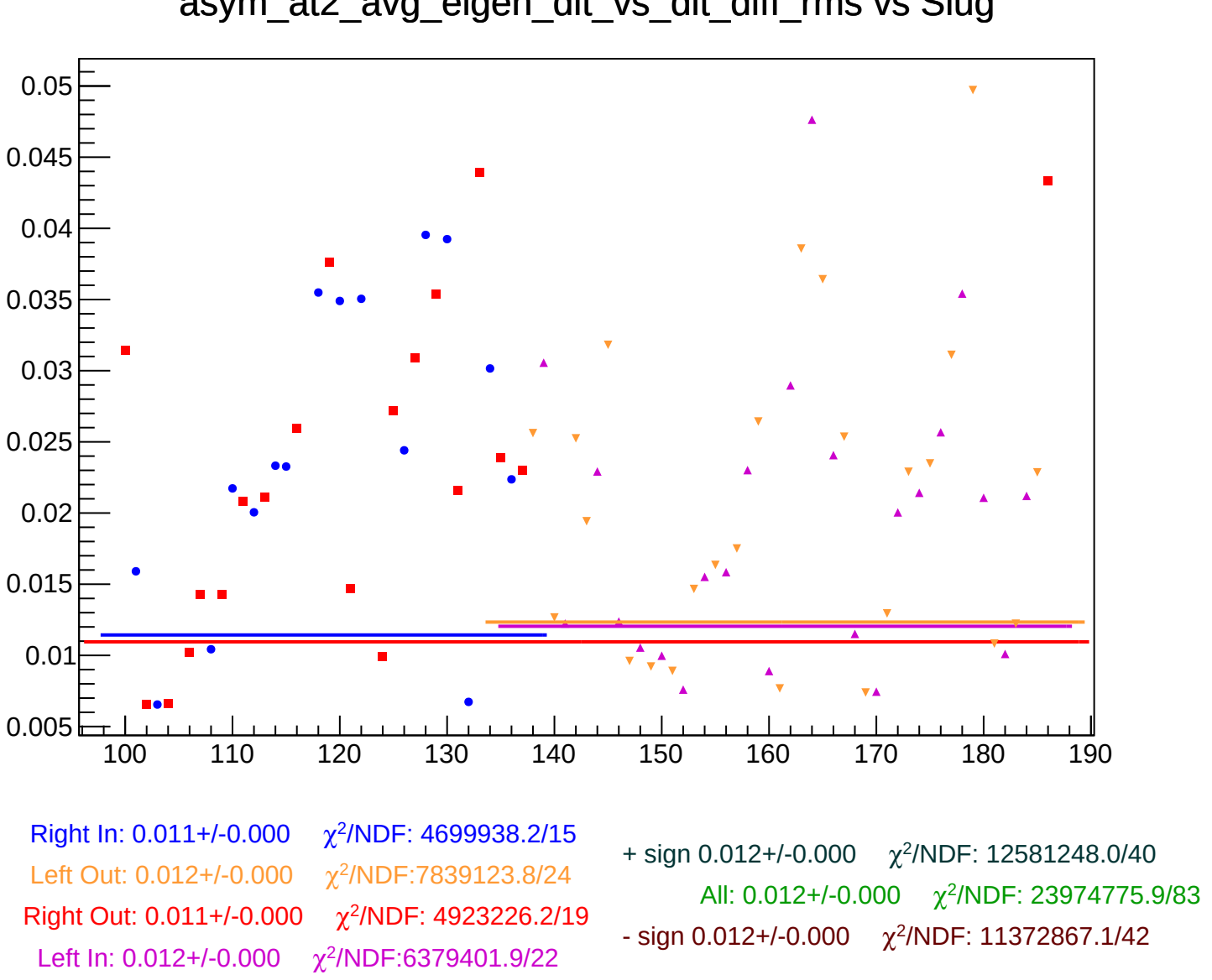
Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/19

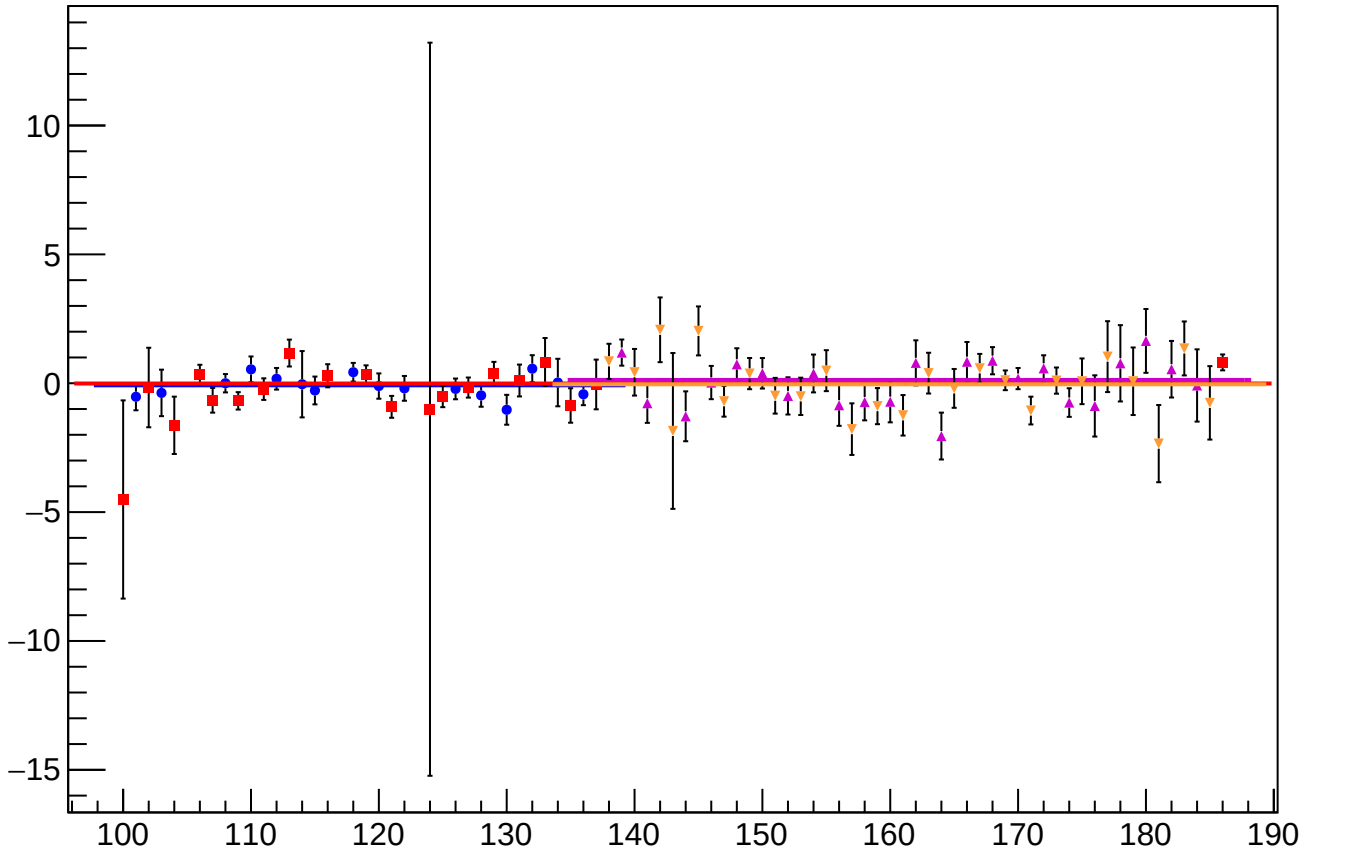
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.7/40

All: -0.000+/-0.000 χ^2/NDF: 108.4/83

- 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: 0.011+/-0.000 χ²/NDF: 4699938.2/15
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: 12581248.0/40
All: 0.012+/-0.000 χ²/NDF: 23974775.9/83
- sign 0.012+/-0.000 χ²/NDF: 11372867.1/42



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.010+/-0.109 χ^2/NDF: 33.3/19

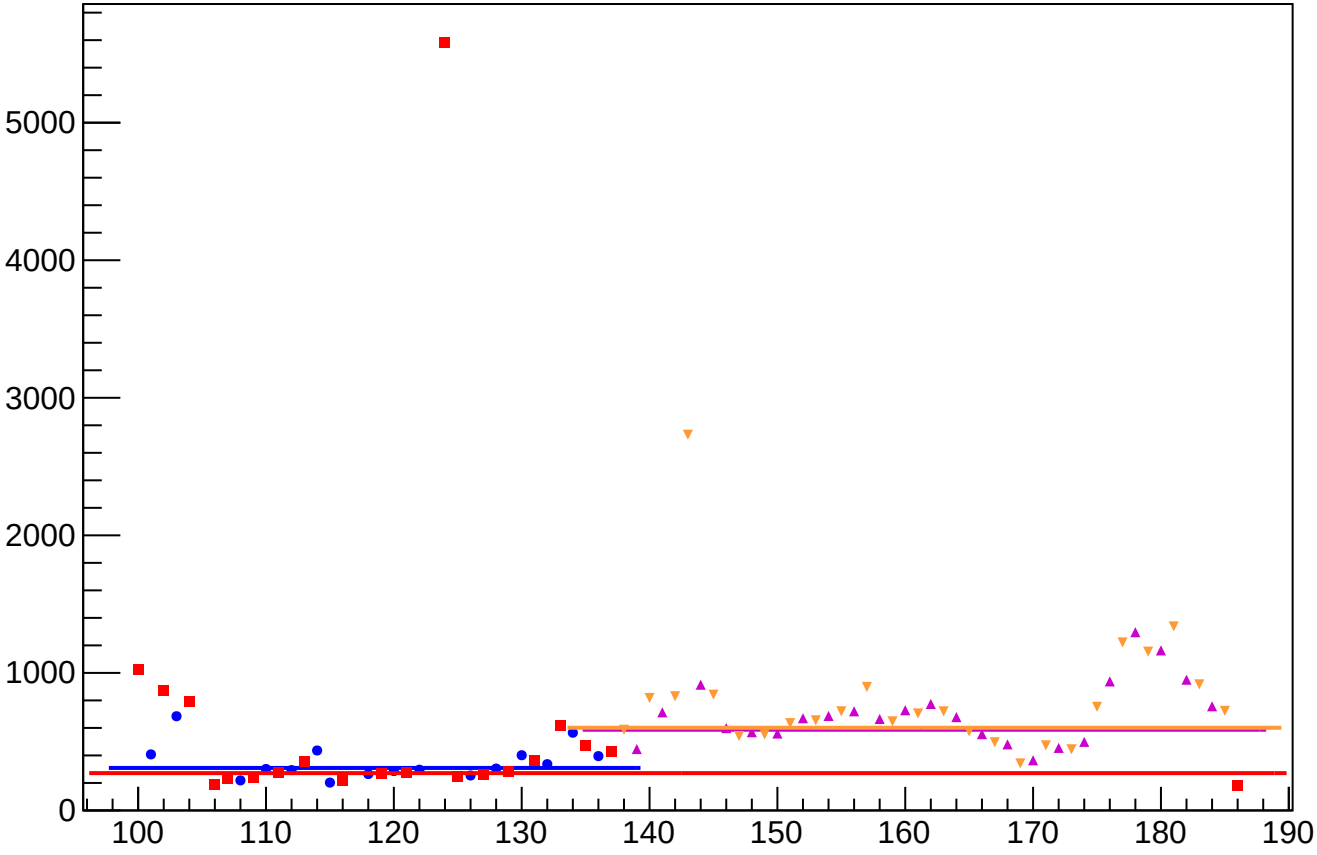
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.064+/-0.094 χ^2/NDF: 40.9/40

All: -0.008+/-0.064 χ^2/NDF: 104.5/83

- sign 0.040+/-0.087 χ^2/NDF: 62.9/42

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

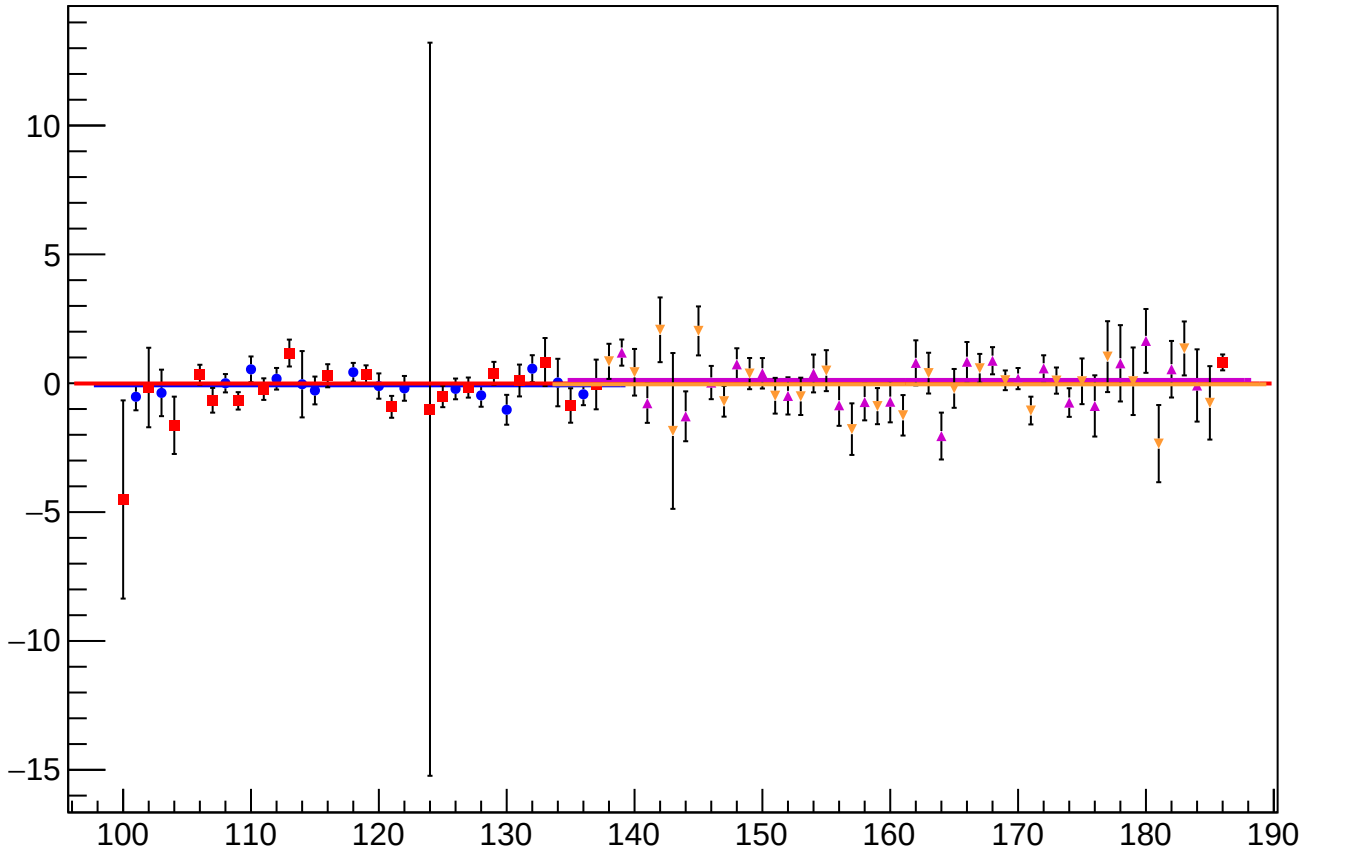
Right Out: 271.412+/-0.077 χ^2/NDF: 2046868.3/19

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 427.587+/-0.066 χ^2/NDF: 10136755.6/40

All: 405.030+/-0.045 χ^2/NDF: 21355721.2/83

- sign 385.536+/-0.062 χ^2/NDF: 11004046.7/42



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

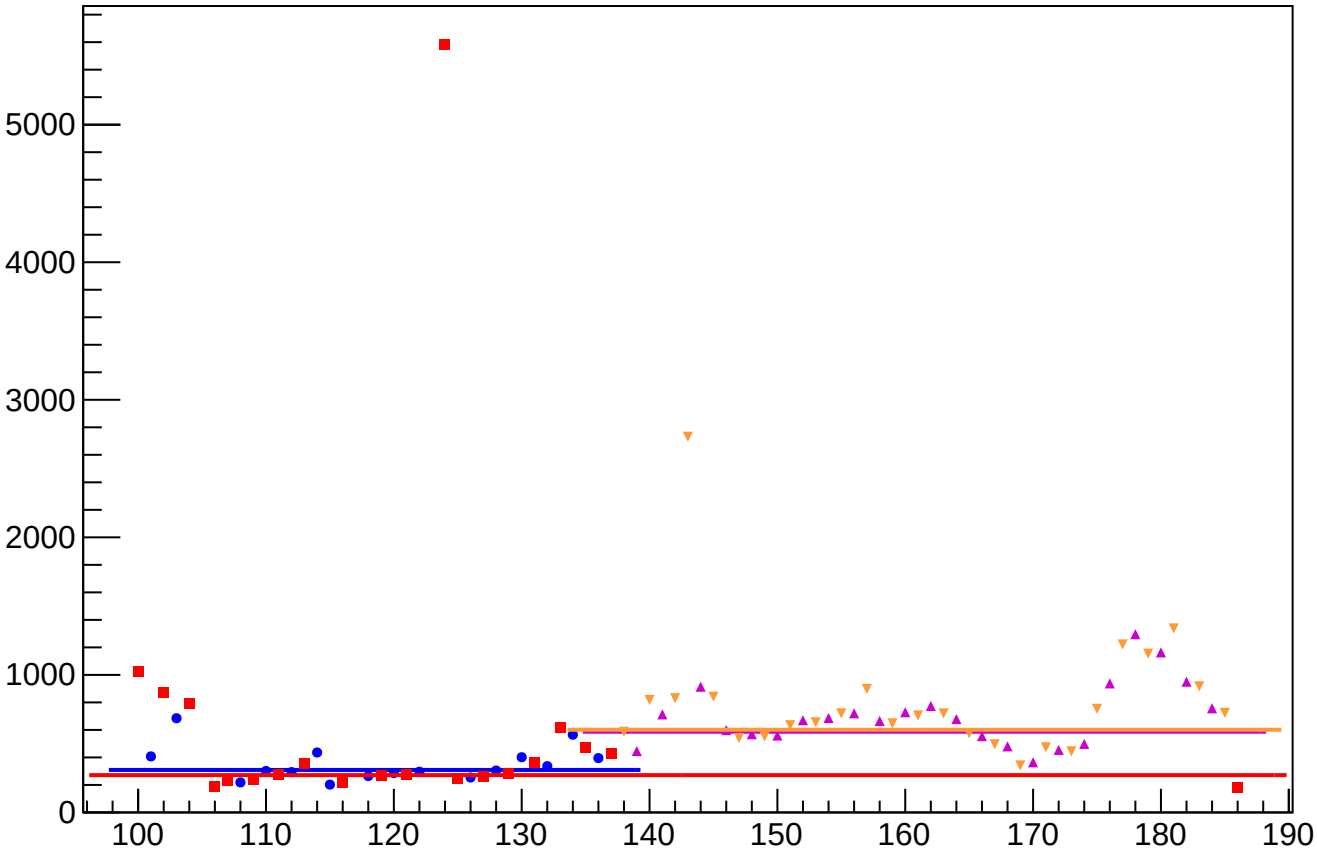
Right Out: -0.010+/-0.109 χ^2/NDF: 33.3/19

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

\+ sign -0.064+/-0.094 χ^2/NDF: 40.9/40

All: -0.008+/-0.064 χ^2/NDF: 104.5/83

\- sign 0.040+/-0.087 χ^2/NDF: 62.9/42



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 271.412+/-0.077 χ^2/NDF: 2046868.3/19

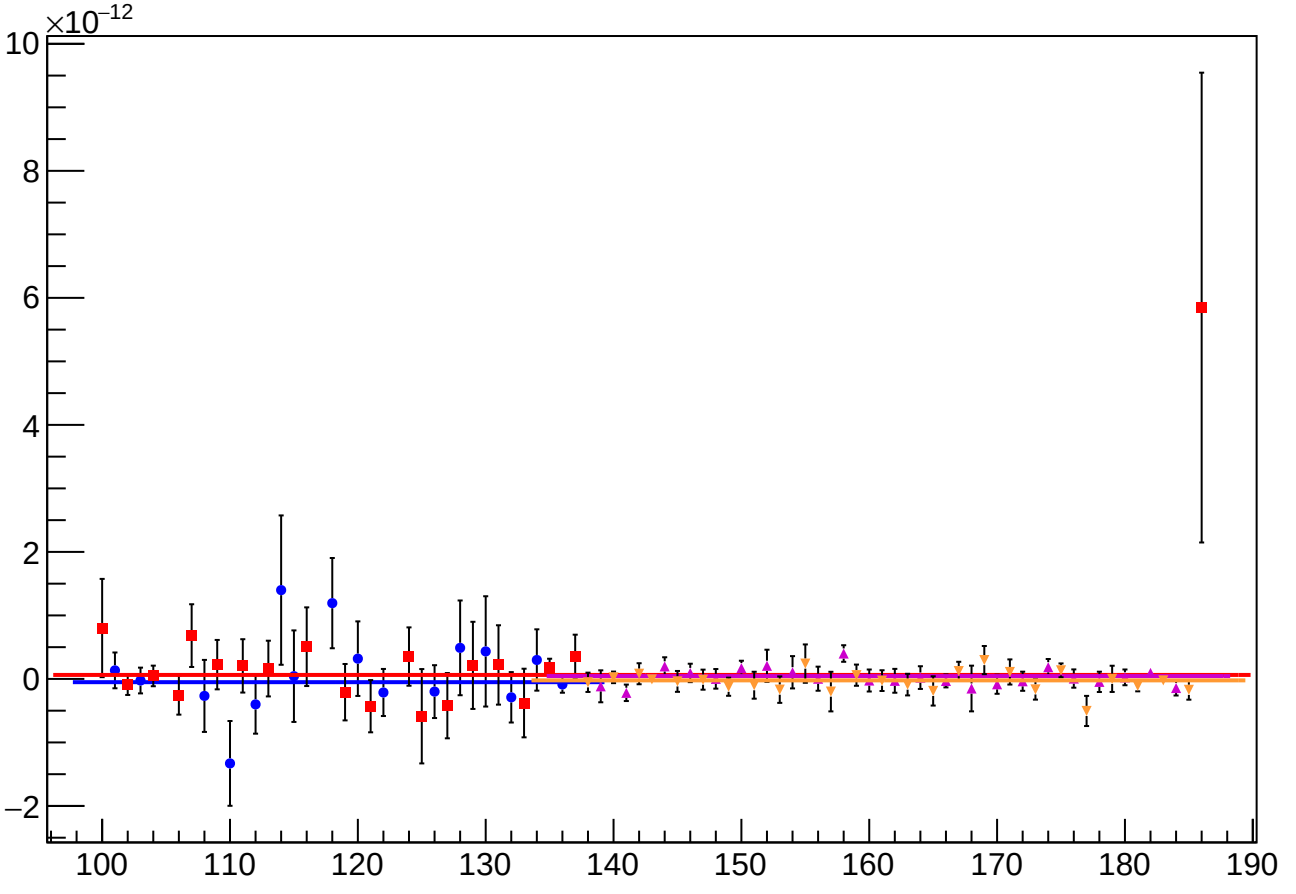
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 427.587+/-0.066 χ^2/NDF: 10136755.6/40

All: 405.030+/-0.045 χ^2/NDF: 21355721.2/83

- sign 385.536+/-0.062 χ^2/NDF: 11004046.7/42

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/19

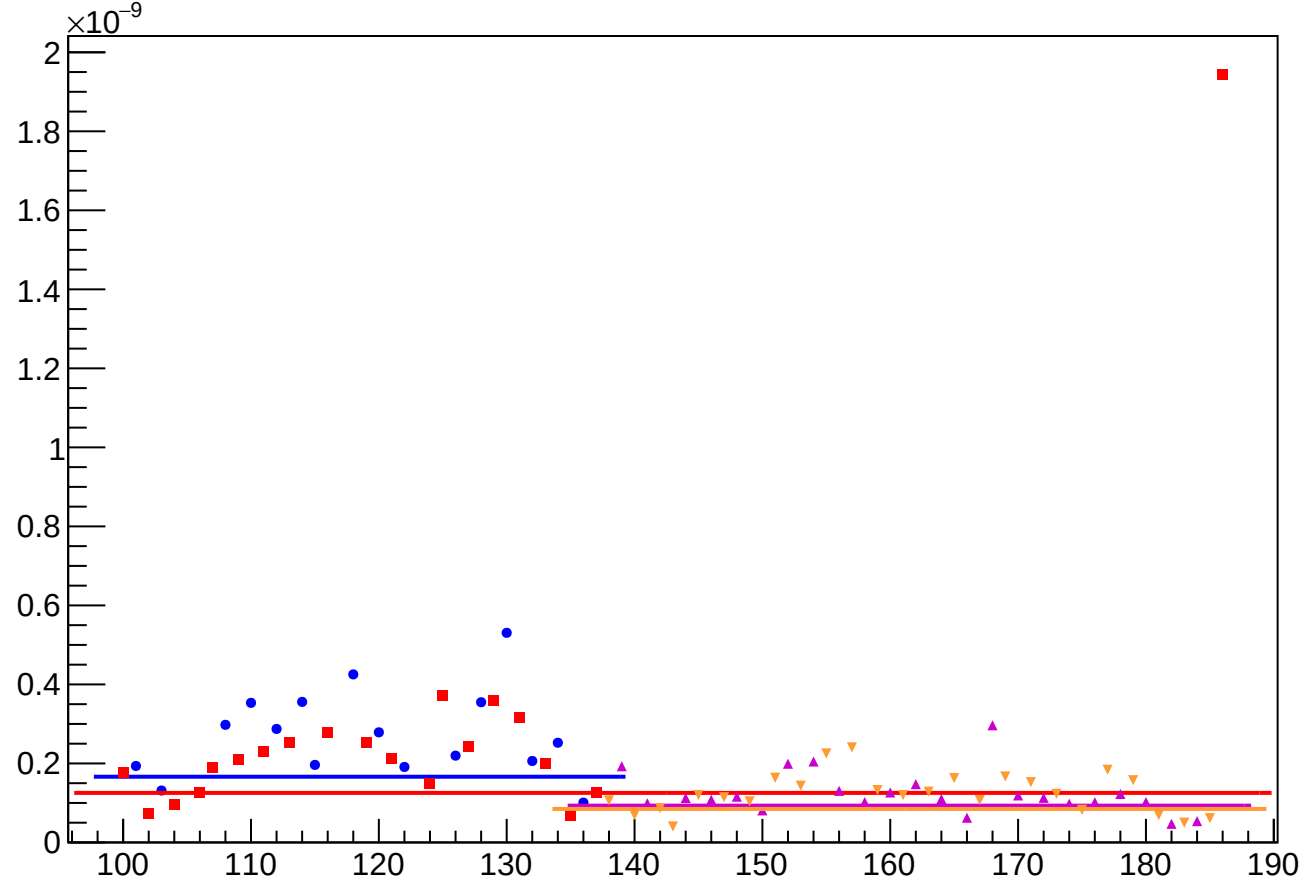
Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 28.4/40

All: 0.000+/-0.000 χ^2/NDF: 68.4/83

- sign 0.000+/-0.000 χ^2/NDF: 35.9/42

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2692825.6/19

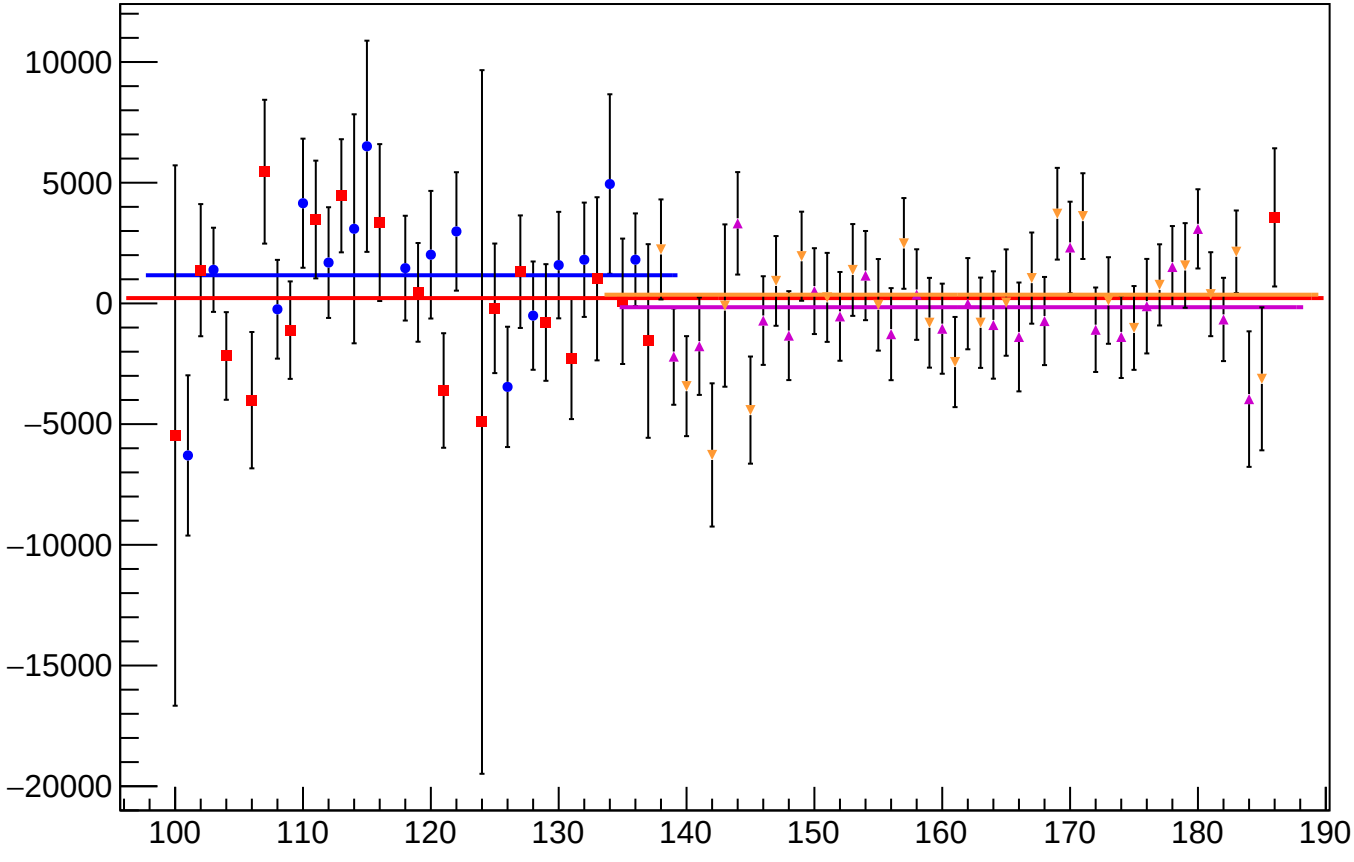
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9063043.7/40

All: 0.000+/-0.000 χ^2/NDF: 16041209.1/83

- sign 0.000+/-0.000 χ^2/NDF: 6928168.5/42

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 220.719+/-590.389 χ^2/NDF: 19.7/19

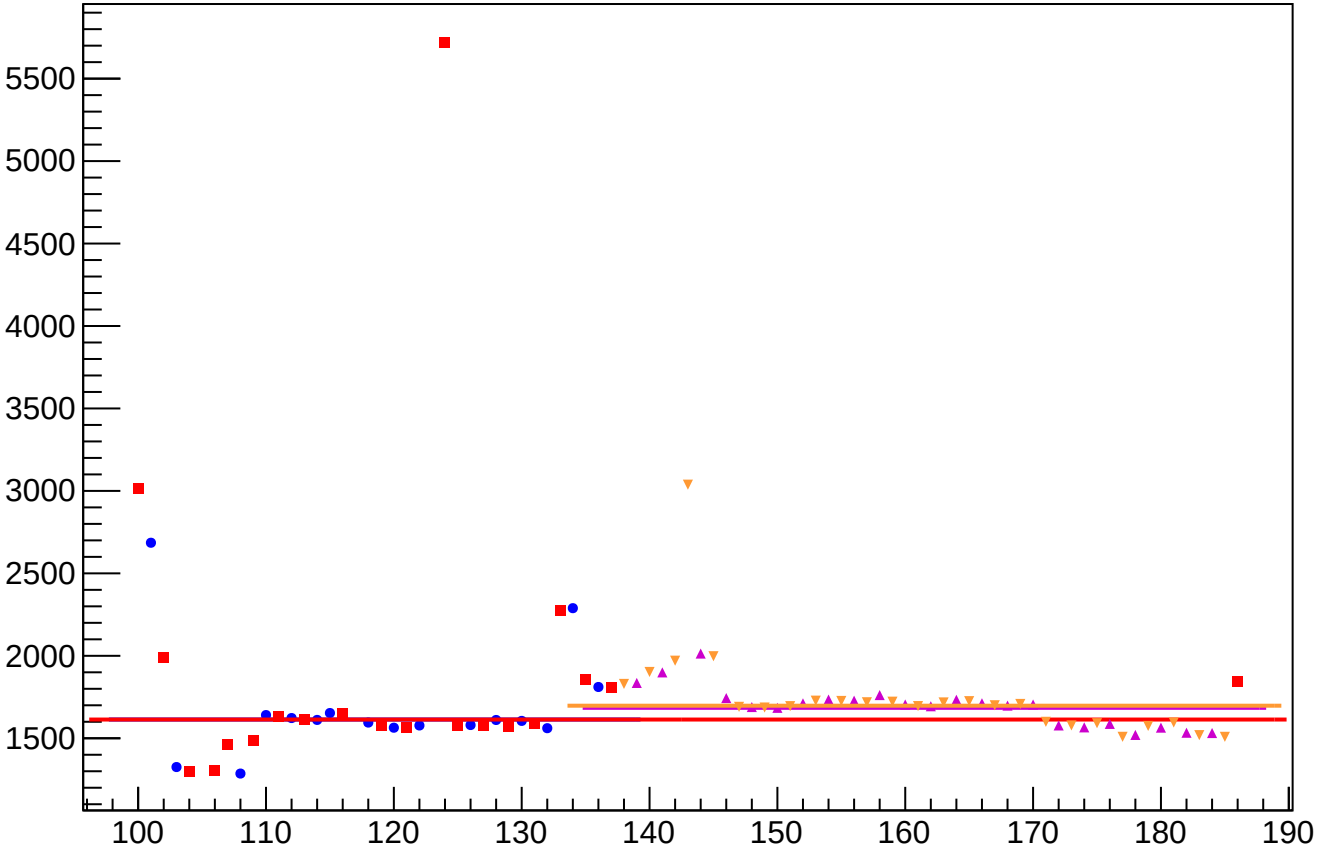
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 594.143+/-327.335 χ^2/NDF: 45.2/40

All: 277.328+/-231.650 χ^2/NDF: 83.1/83

- sign -40.526+/-327.872 χ^2/NDF: 36.0/42

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1613.587+/-0.417 χ^2/NDF: 439026.9/19

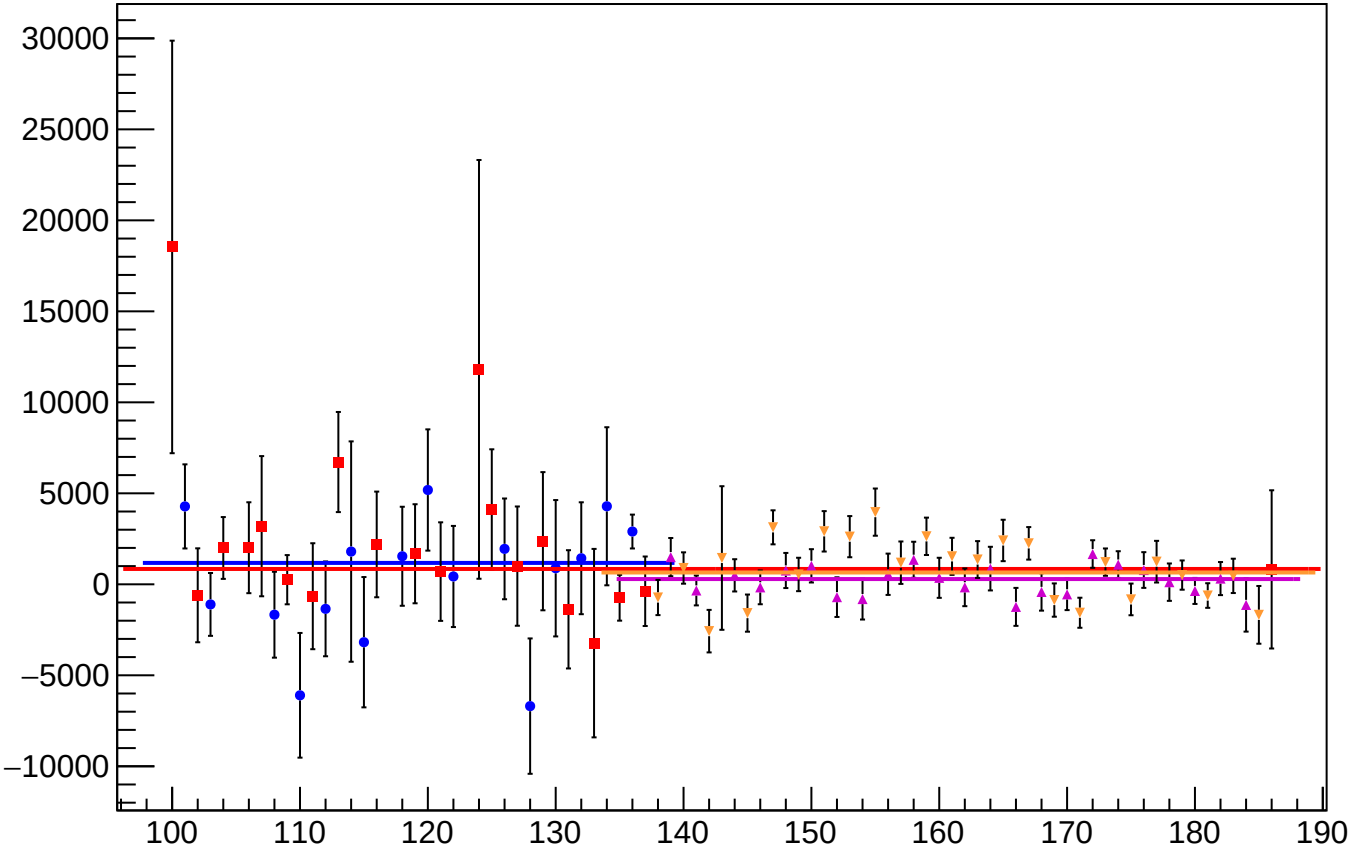
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1673.293+/-0.231 χ^2/NDF: 927020.0/40

All: 1667.996+/-0.164 χ^2/NDF: 1552450.0/83

- sign 1662.683+/-0.232 χ^2/NDF: 624381.1/42

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 843.463+/-552.911 χ^2/NDF: 14.3/19

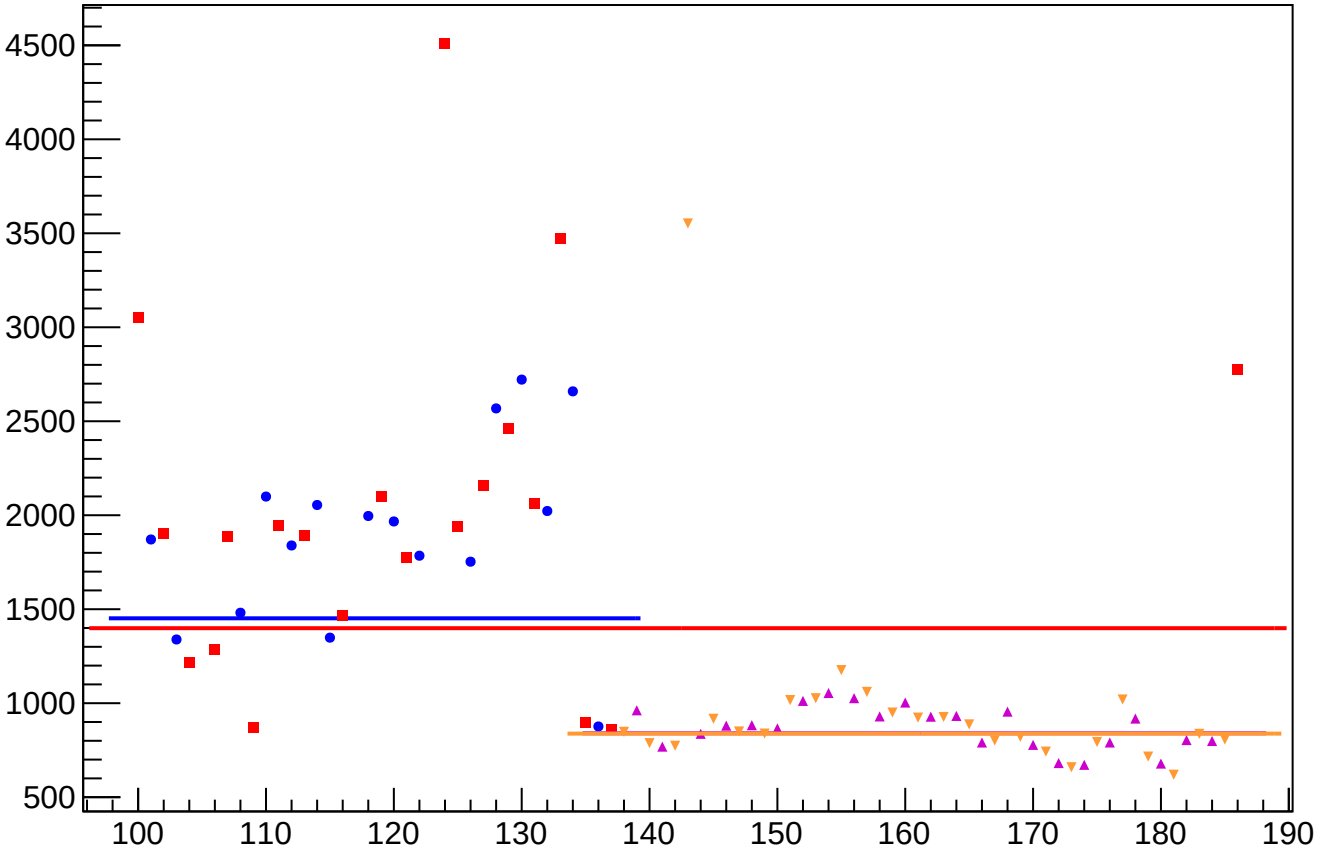
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 703.102+/-185.373 χ^2/NDF: 88.3/40

All: 528.896+/-131.587 χ^2/NDF: 121.7/83

- sign 351.960+/-186.820 χ^2/NDF: 31.7/42

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1399.084+/-0.391 χ^2/NDF: 2335510.5/19

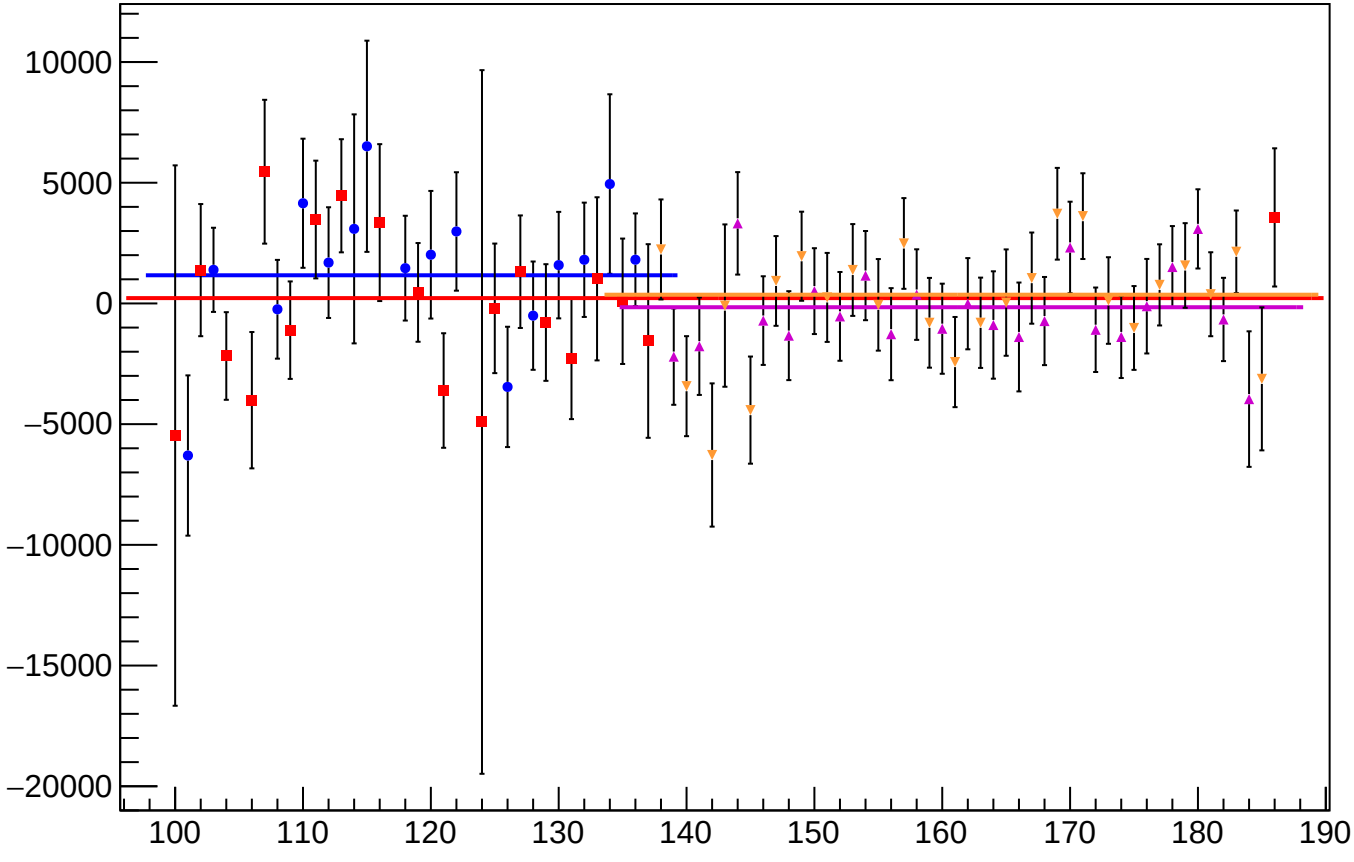
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 901.103+/-0.131 χ^2/NDF: 5605247.2/40

All: 902.445+/-0.093 χ^2/NDF: 10421915.3/83

- sign 903.807+/-0.132 χ^2/NDF: 4816457.0/42

cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 221.016+/-590.389 χ^2/NDF: 19.7/19

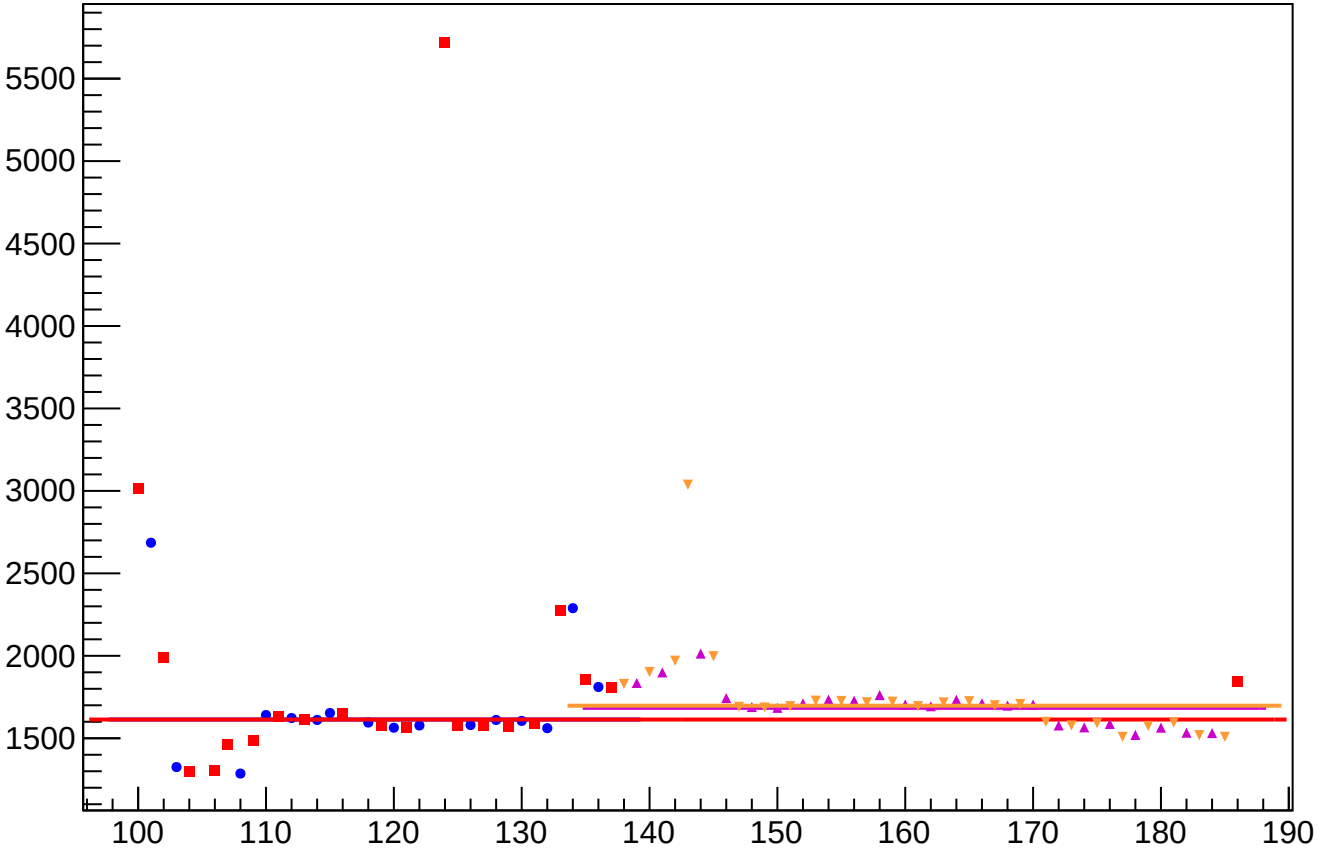
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 594.056+/-327.335 χ^2/NDF: 45.3/40

All: 277.362+/-231.650 χ^2/NDF: 83.2/83

- sign -40.370+/-327.872 χ^2/NDF: 36.0/42

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1613.587+/-0.417 χ^2/NDF: 439026.9/19

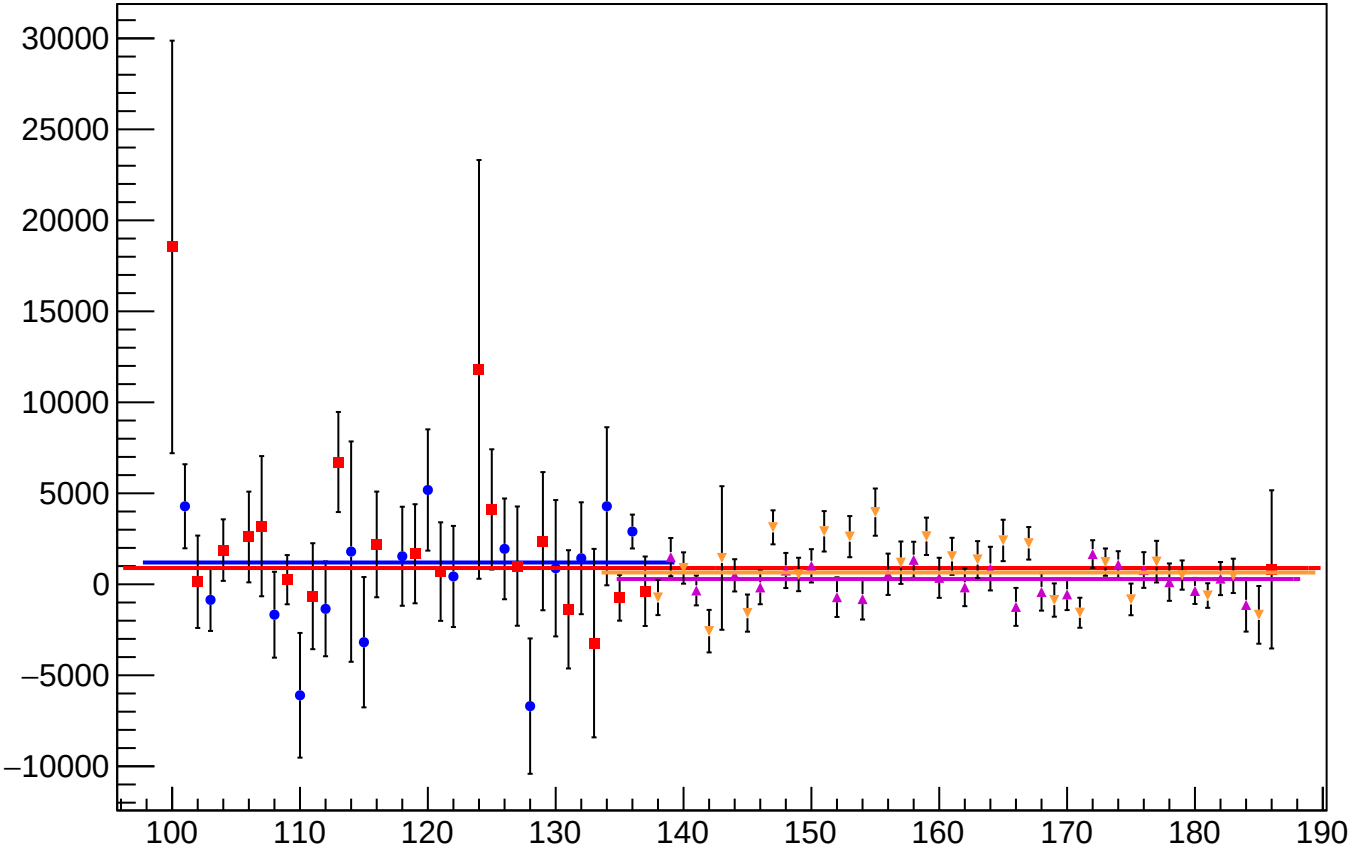
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1673.293+/-0.231 χ^2/NDF: 927020.3/40

All: 1667.996+/-0.164 χ^2/NDF: 1552450.4/83

- sign 1662.683+/-0.232 χ^2/NDF: 624381.2/42

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 894.239+/-552.157 χ^2/NDF: 14.2/19

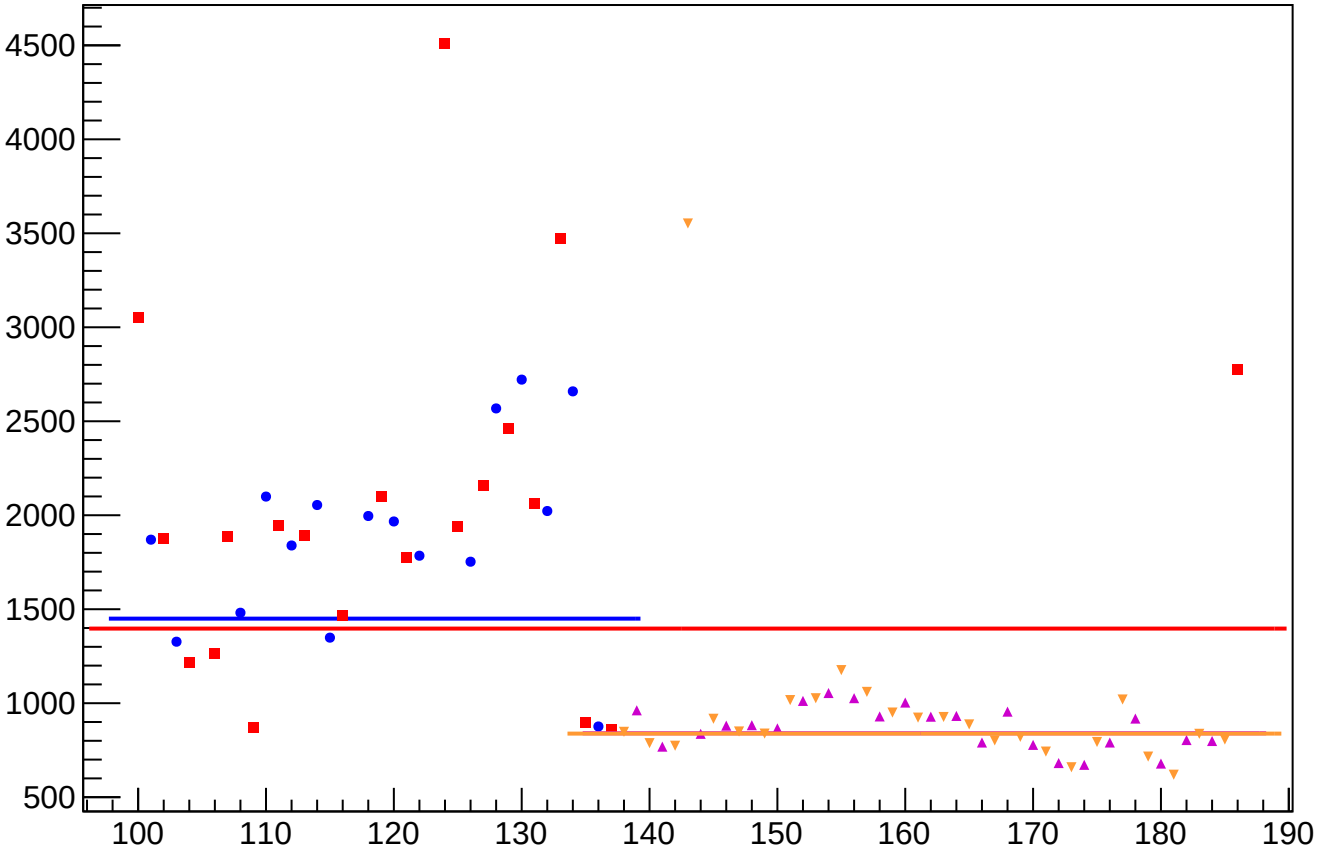
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 705.590+/-185.348 χ^2/NDF: 88.0/40

All: 533.099+/-131.568 χ^2/NDF: 121.6/83

- sign 357.912+/-186.791 χ^2/NDF: 31.8/42

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1397.023+/-0.390 χ^2/NDF: 2331758.4/19

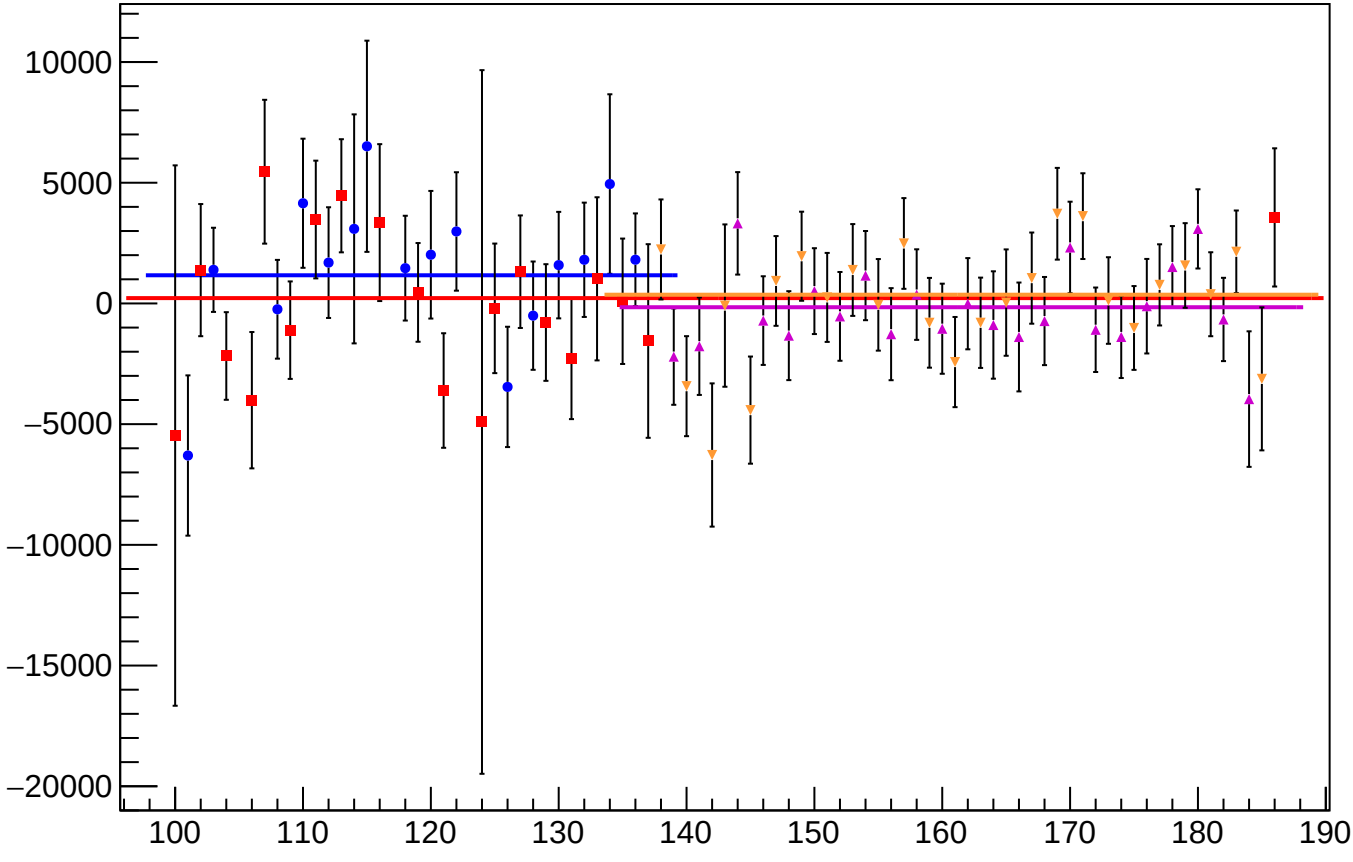
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 901.101+/-0.131 χ^2/NDF: 5600905.5/40

All: 902.405+/-0.093 χ^2/NDF: 10404807.2/83

- sign 903.728+/-0.132 χ^2/NDF: 4803702.4/42

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 221.016+/-590.389 χ^2/NDF: 19.7/19

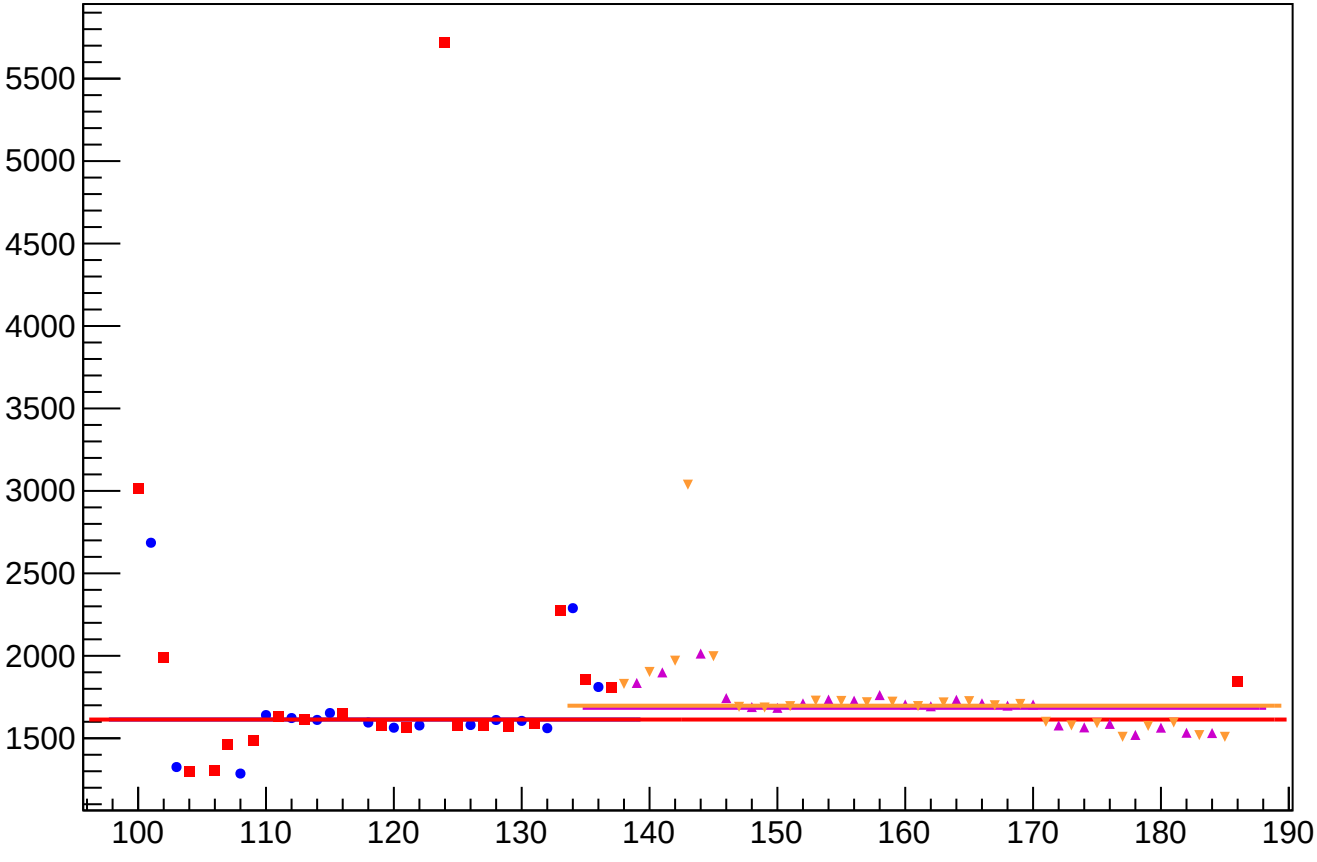
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 594.056+/-327.335 χ^2/NDF: 45.3/40

All: 277.362+/-231.650 χ^2/NDF: 83.2/83

- sign -40.370+/-327.872 χ^2/NDF: 36.0/42

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1613.587+/-0.417 χ^2/NDF: 439026.9/19

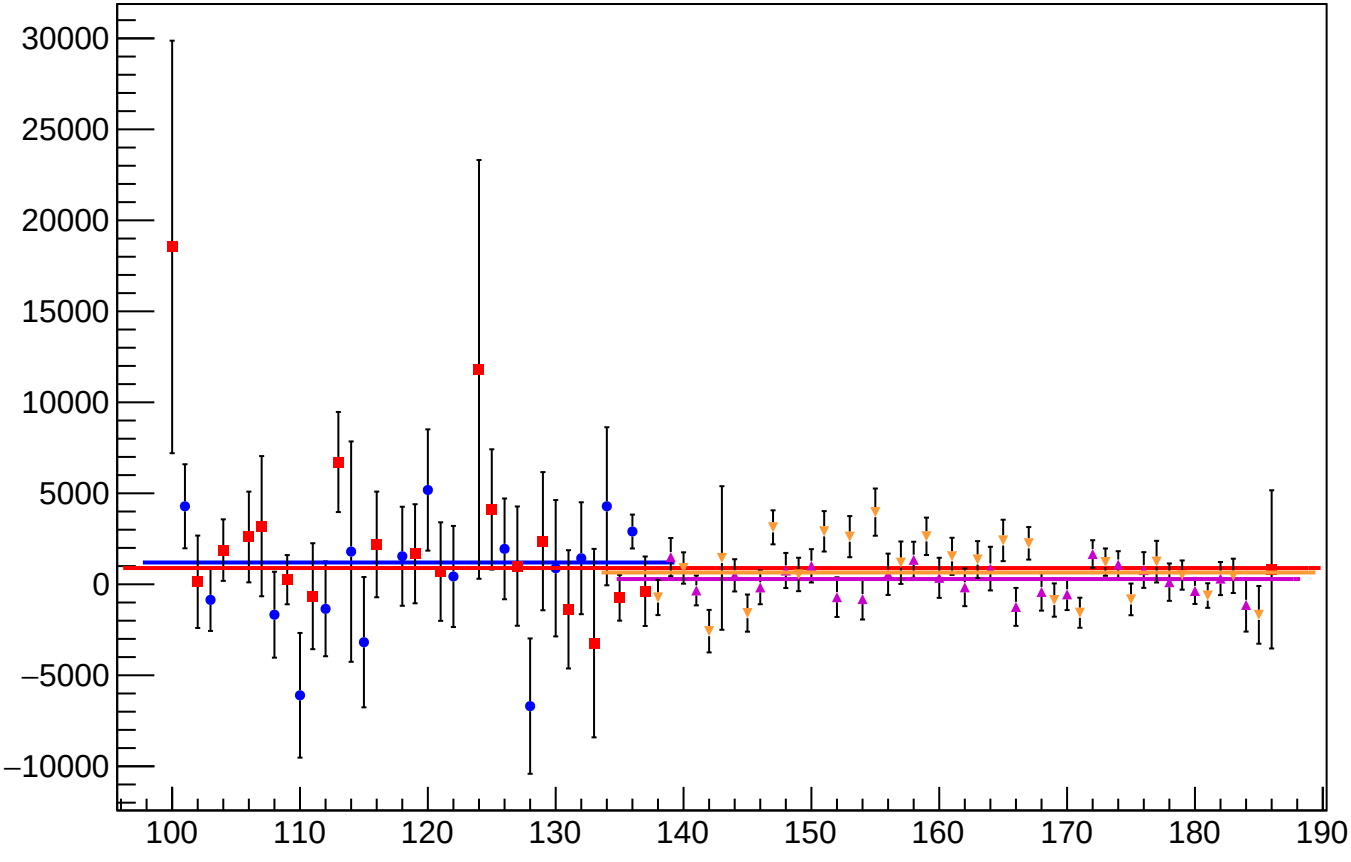
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1673.293+/-0.231 χ^2/NDF: 927020.3/40

All: 1667.996+/-0.164 χ^2/NDF: 1552450.4/83

- sign 1662.683+/-0.232 χ^2/NDF: 624381.2/42

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 894.239+/-552.157 χ^2/NDF: 14.2/19

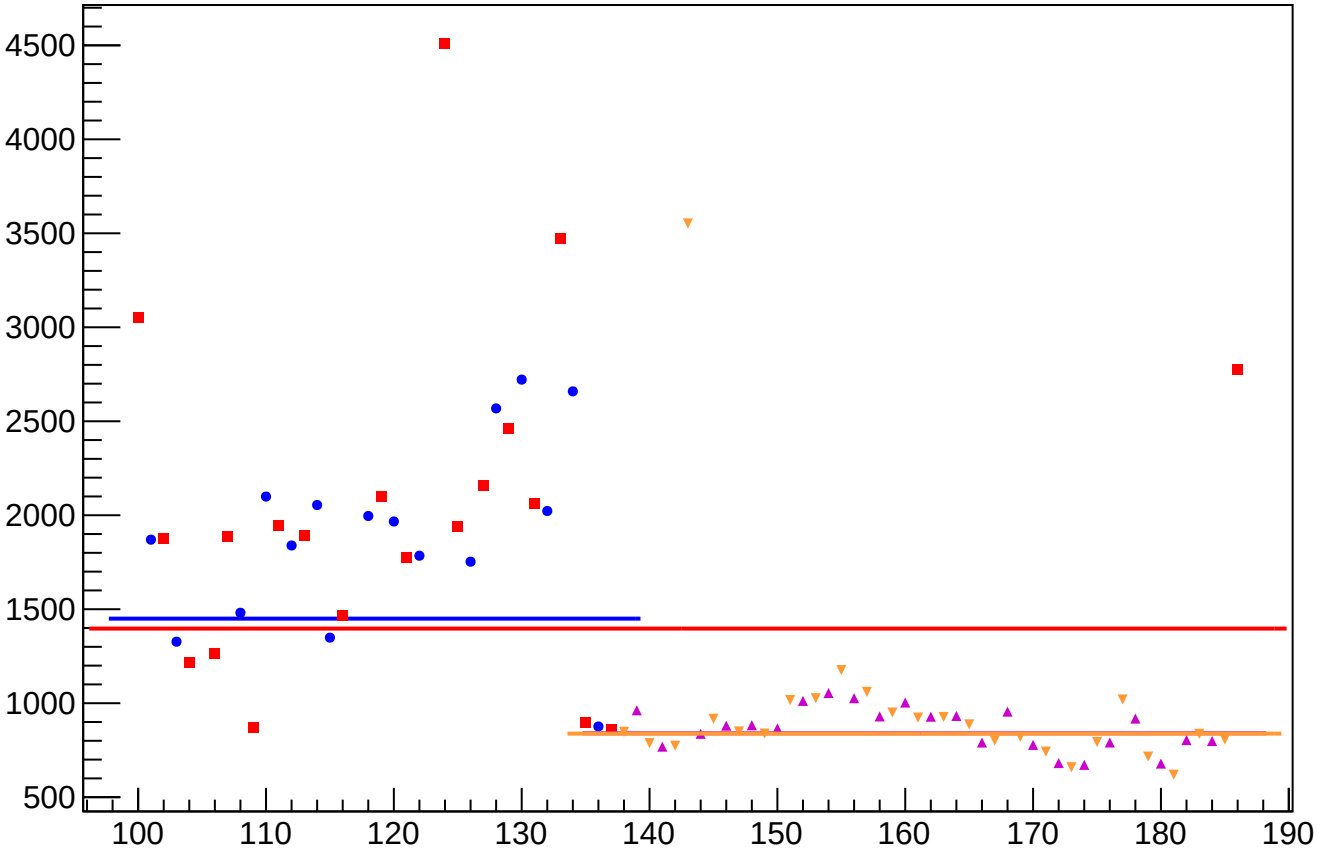
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 705.590+/-185.348 χ^2/NDF: 88.0/40

All: 533.099+/-131.568 χ^2/NDF: 121.6/83

- sign 357.912+/-186.791 χ^2/NDF: 31.8/42

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1397.023+/-0.390 χ^2/NDF: 2331758.4/19

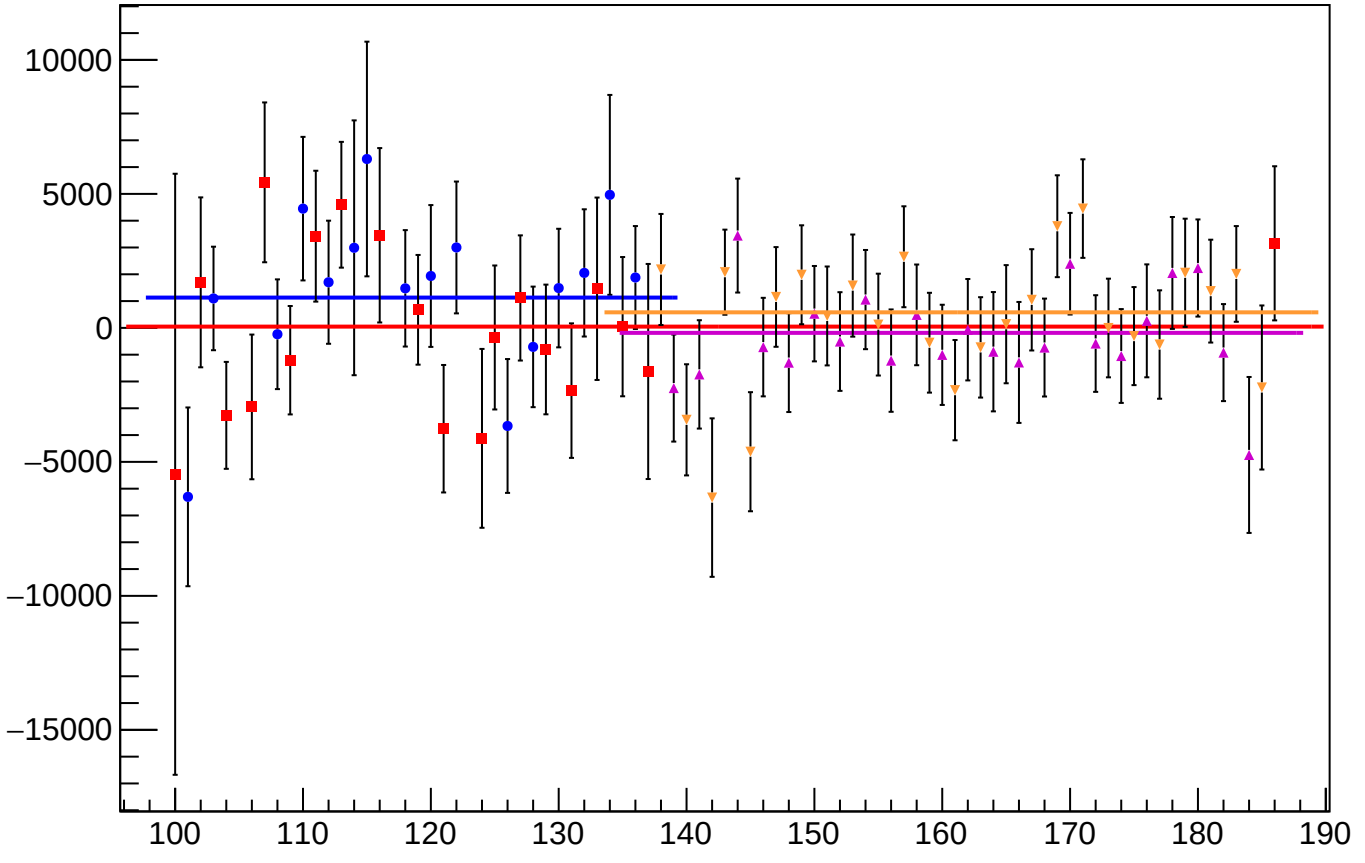
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 901.101+/-0.131 χ^2/NDF: 5600905.5/40

All: 902.405+/-0.093 χ^2/NDF: 10404807.2/83

- sign 903.728+/-0.132 χ^2/NDF: 4803702.4/42

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 47.480+/-590.233 χ^2/NDF: 21.9/19

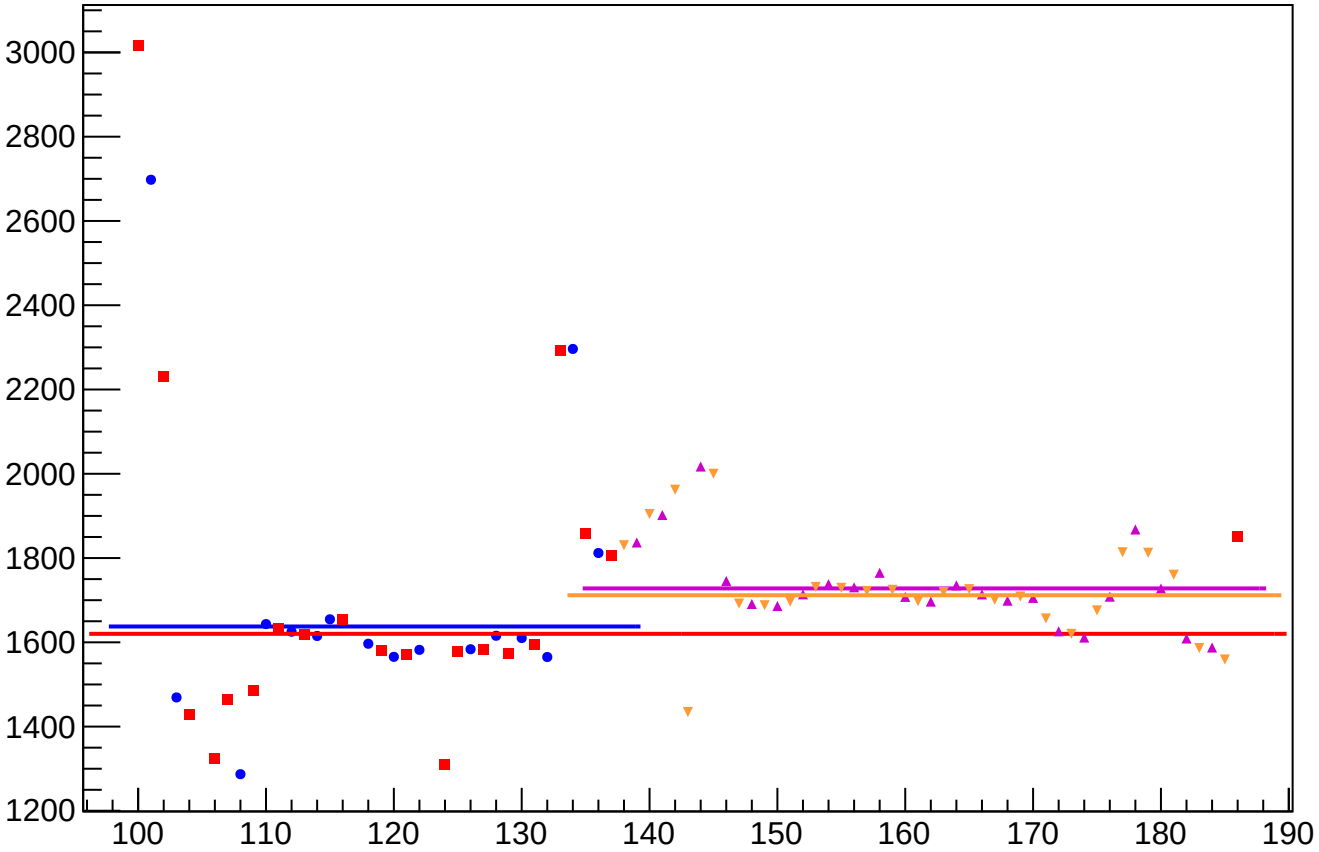
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 737.216+/-329.561 χ^2/NDF: 47.5/40

All: 317.879+/-234.393 χ^2/NDF: 87.2/83

- sign -111.376+/-333.436 χ^2/NDF: 36.4/42

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1620.150+/-0.417 χ^2/NDF: 294148.1/19

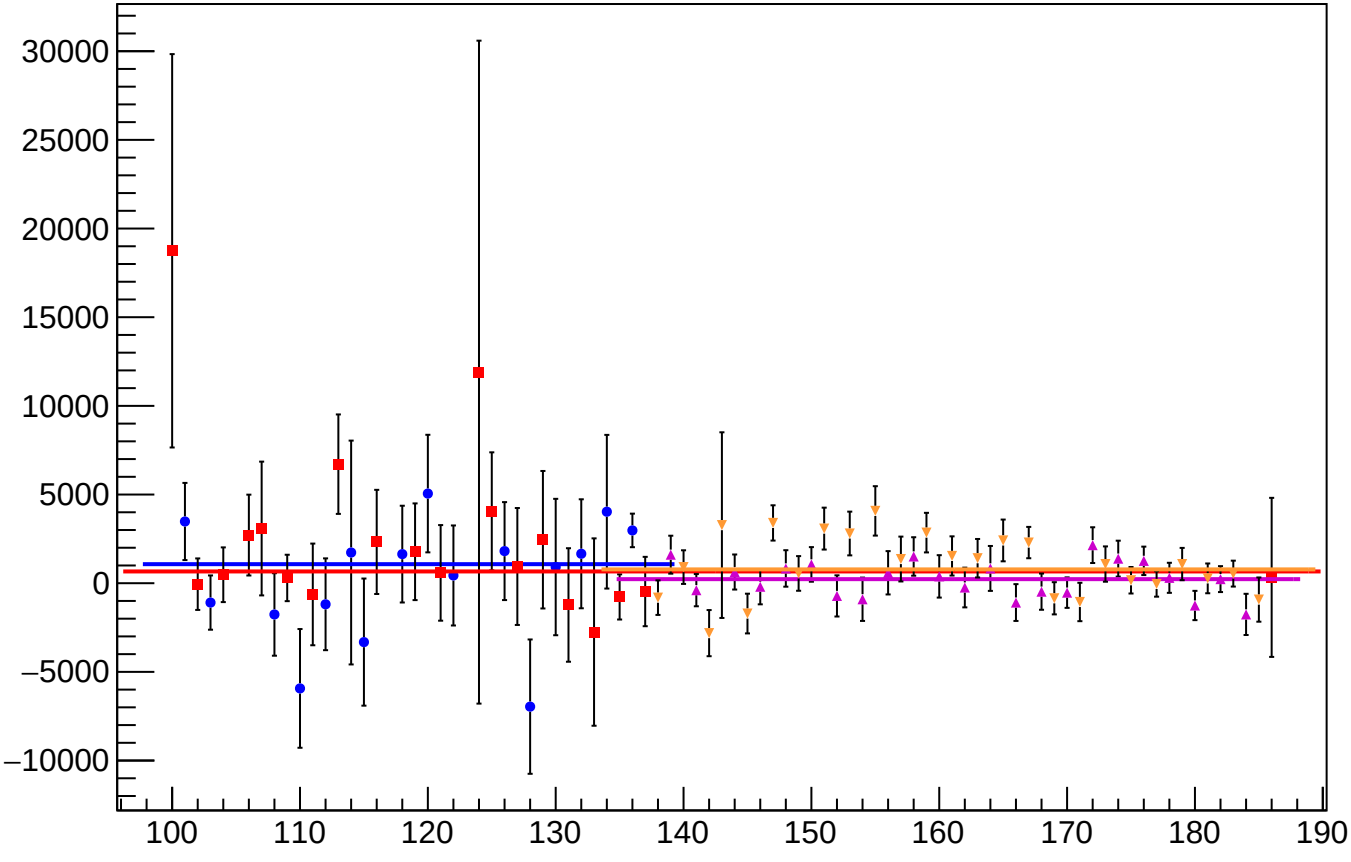
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1690.576+/-0.233 χ^2/NDF: 550051.7/40

All: 1692.032+/-0.166 χ^2/NDF: 989897.1/83

- sign 1693.521+/-0.236 χ^2/NDF: 439766.5/42

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 663.226+/-519.947 χ^2/NDF: 13.6/19

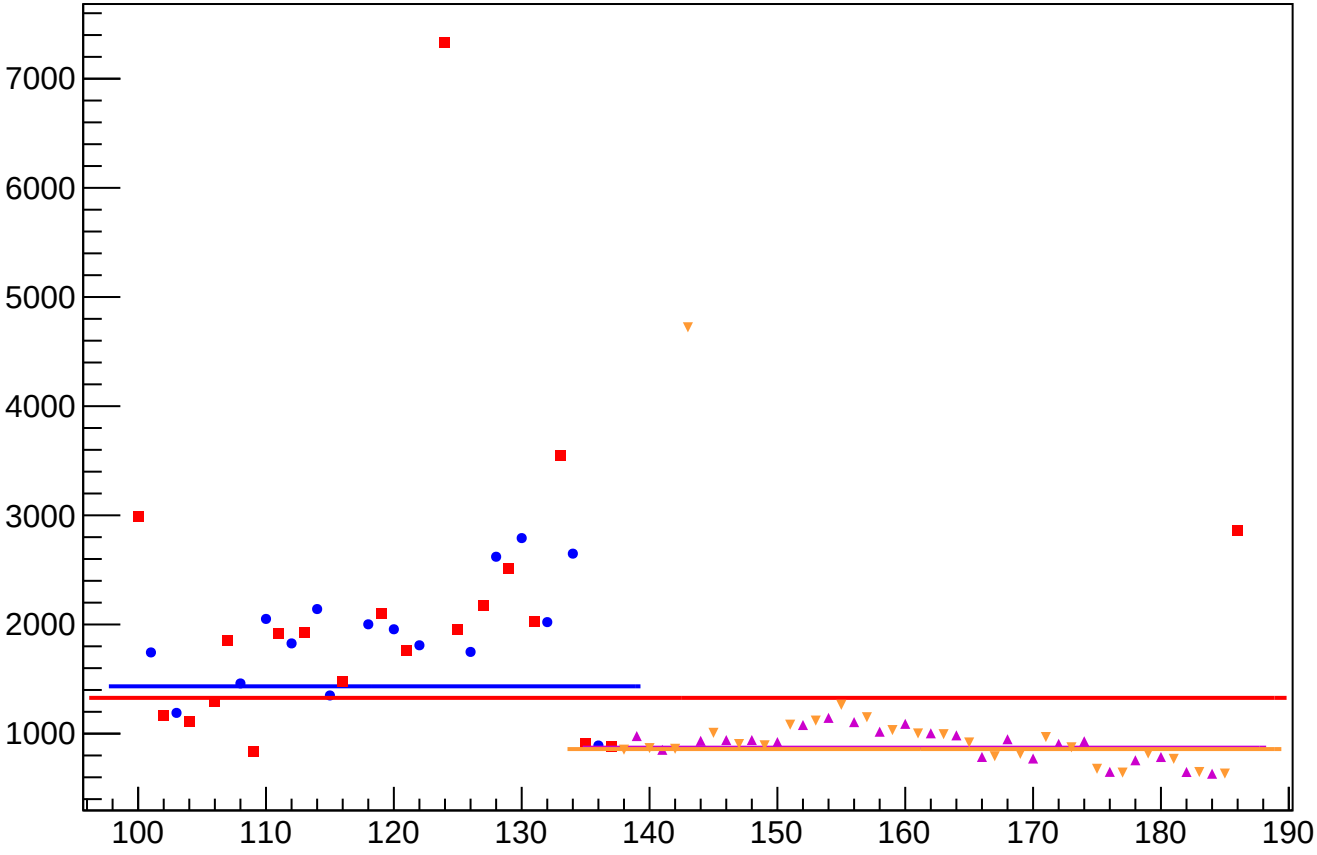
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 811.580+/-190.156 χ^2/NDF: 76.8/40

All: 552.504+/-135.136 χ^2/NDF: 117.3/83

- sign 288.156+/-192.081 χ^2/NDF: 36.8/42

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1327.765+/-0.368 χ^2/NDF: 2421049.0/19

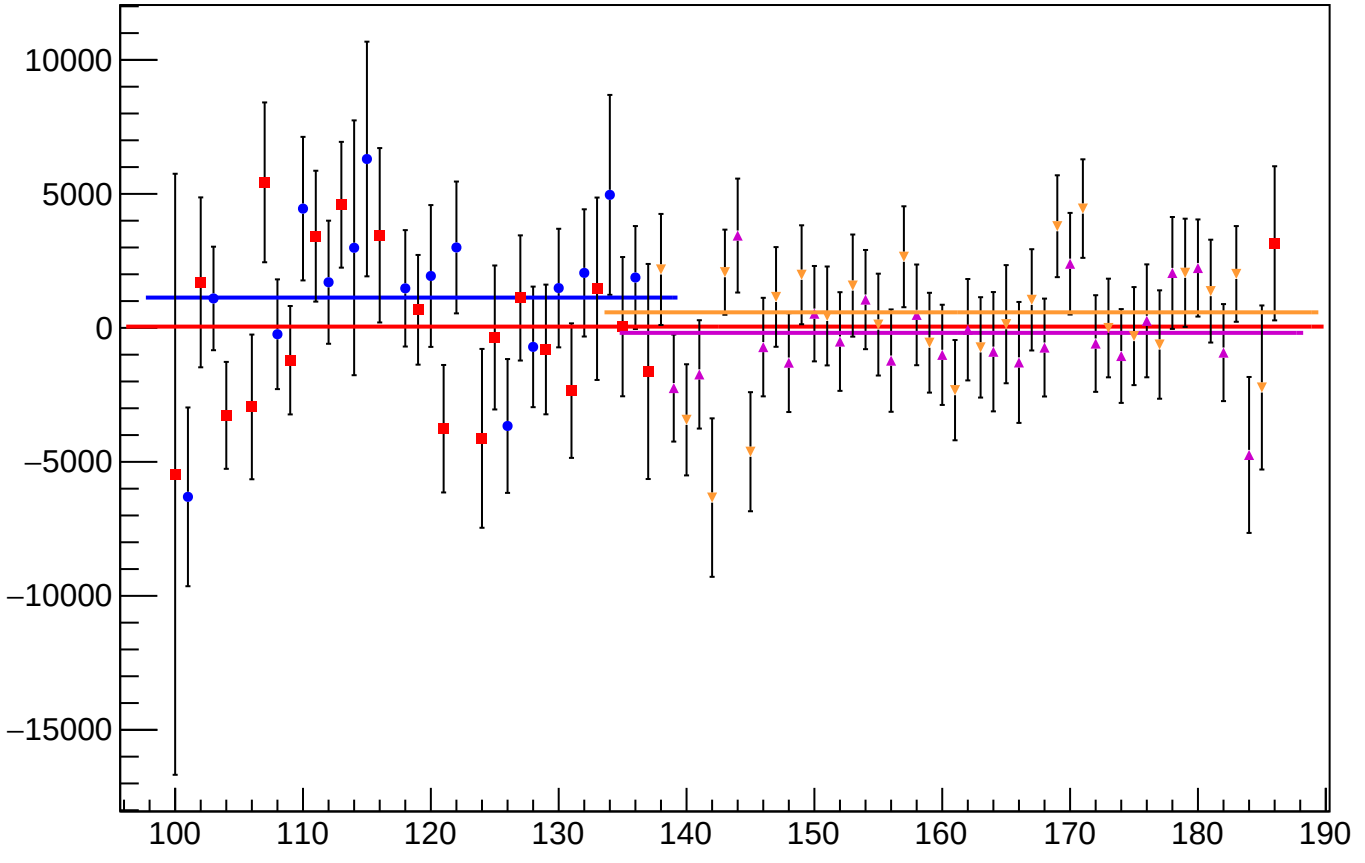
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 922.214+/-0.134 χ^2/NDF: 5842372.5/40

All: 927.945+/-0.096 χ^2/NDF: 10576199.9/83

- sign 933.792+/-0.136 χ^2/NDF: 4730157.9/42

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 47.473+/-590.233 χ^2/NDF: 21.9/19

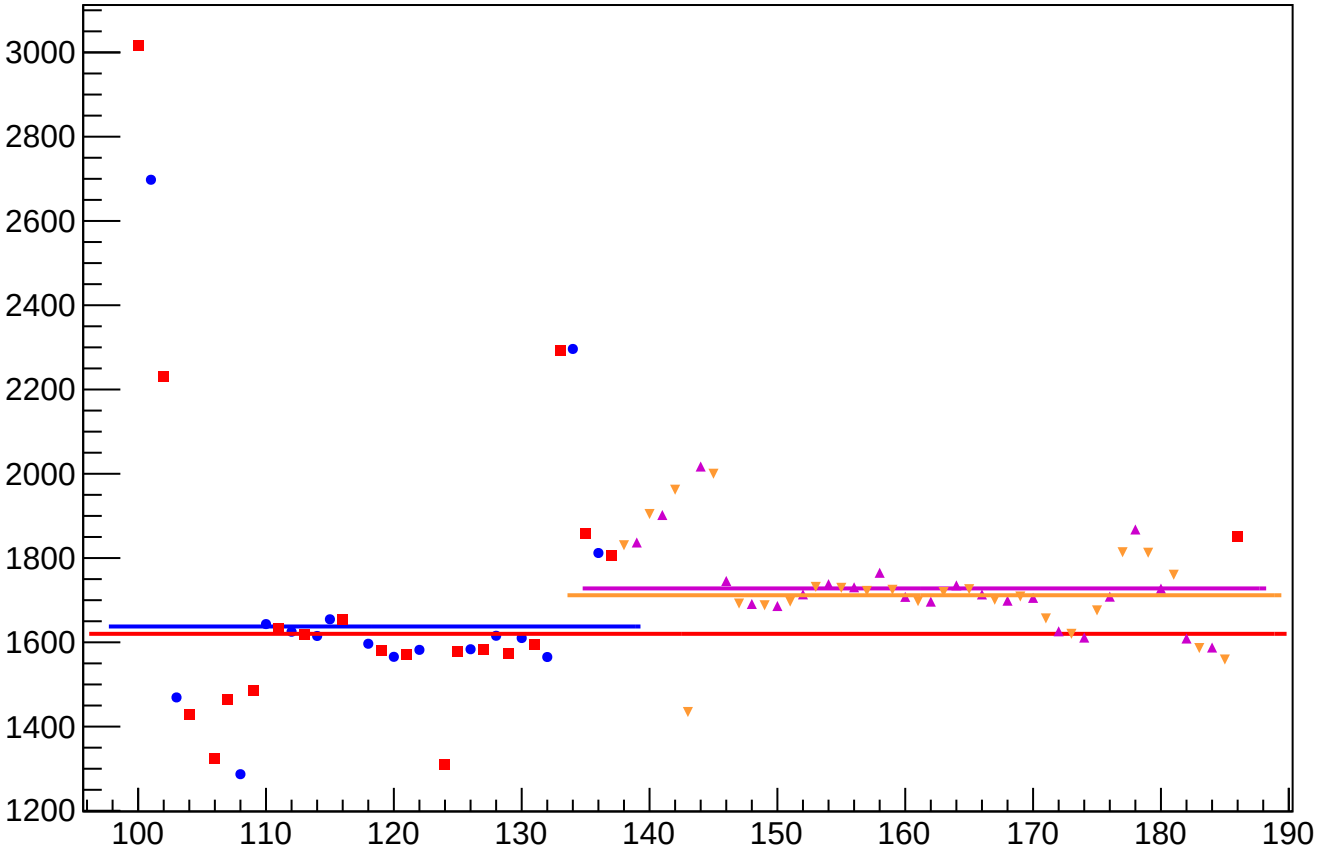
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 737.213+/-329.561 χ^2/NDF: 47.5/40

All: 317.876+/-234.393 χ^2/NDF: 87.2/83

- sign -111.379+/-333.436 χ^2/NDF: 36.4/42

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1620.150+/-0.417 χ^2/NDF: 294148.3/19

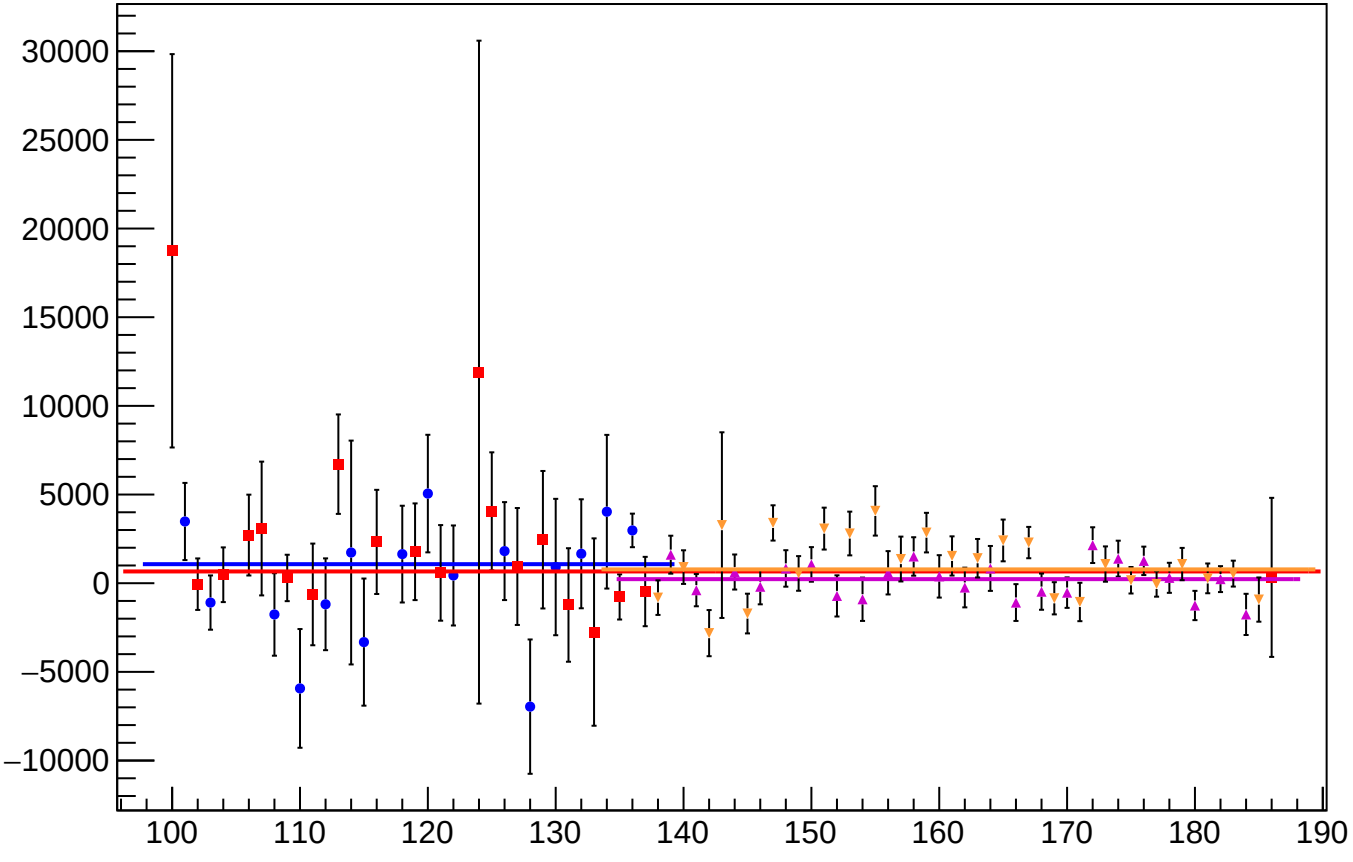
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1690.576+/-0.233 χ^2/NDF: 550050.2/40

All: 1692.031+/-0.166 χ^2/NDF: 989895.6/83

- sign 1693.521+/-0.236 χ^2/NDF: 439766.5/42

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

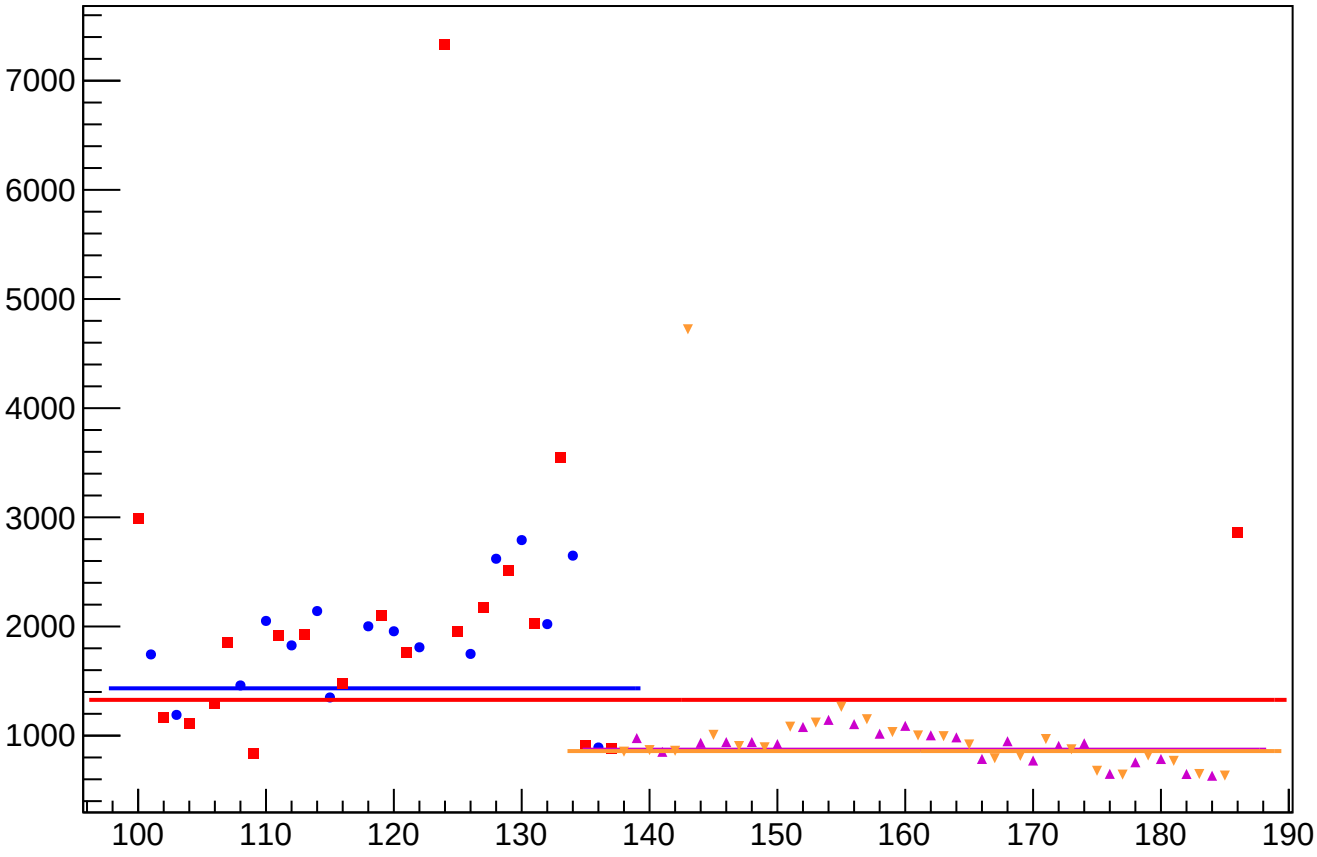
Right Out: 663.237+/-519.950 χ^2/NDF: 13.6/19

Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 811.581+/-190.156 χ^2/NDF: 76.8/40

All: 552.503+/-135.136 χ^2/NDF: 117.3/83

- sign 288.155+/-192.081 χ^2/NDF: 36.8/42



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1327.778+/-0.368 χ^2/NDF: 2420972.9/19

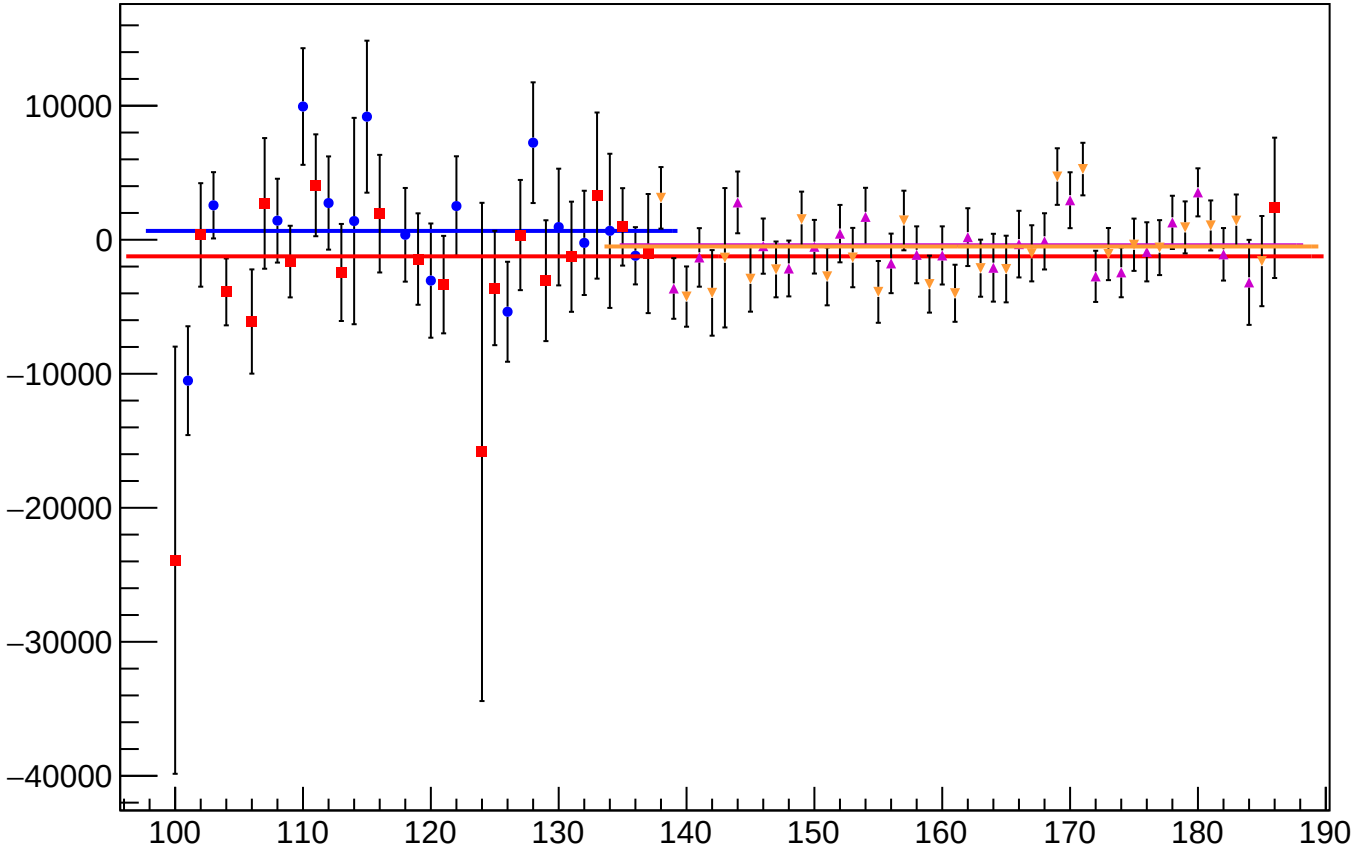
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 922.215+/-0.134 χ^2/NDF: 5842341.9/40

All: 927.945+/-0.096 χ^2/NDF: 10576164.9/83

- sign 933.792+/-0.136 χ^2/NDF: 4730154.2/42

asym_at2_dd_mean vs Slug



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1237.324+/-877.969 χ^2/NDF: 11.3/19

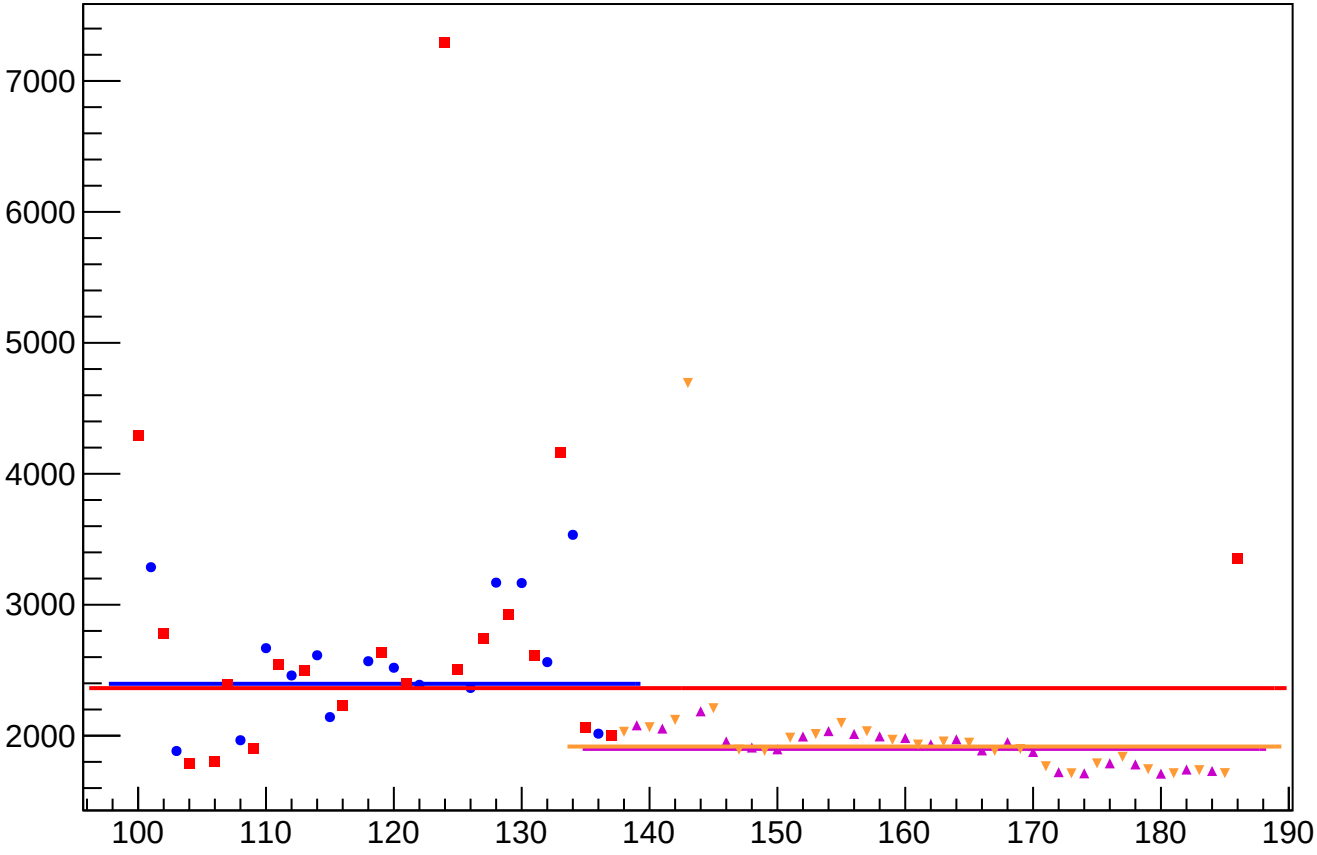
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -281.425+/-396.029 χ^2/NDF: 59.2/40

All: -430.435+/-280.244 χ^2/NDF: 90.4/83

- sign -579.893+/-396.623 χ^2/NDF: 30.9/42

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2363.222+/-0.621 χ^2/NDF: 755094.4/19

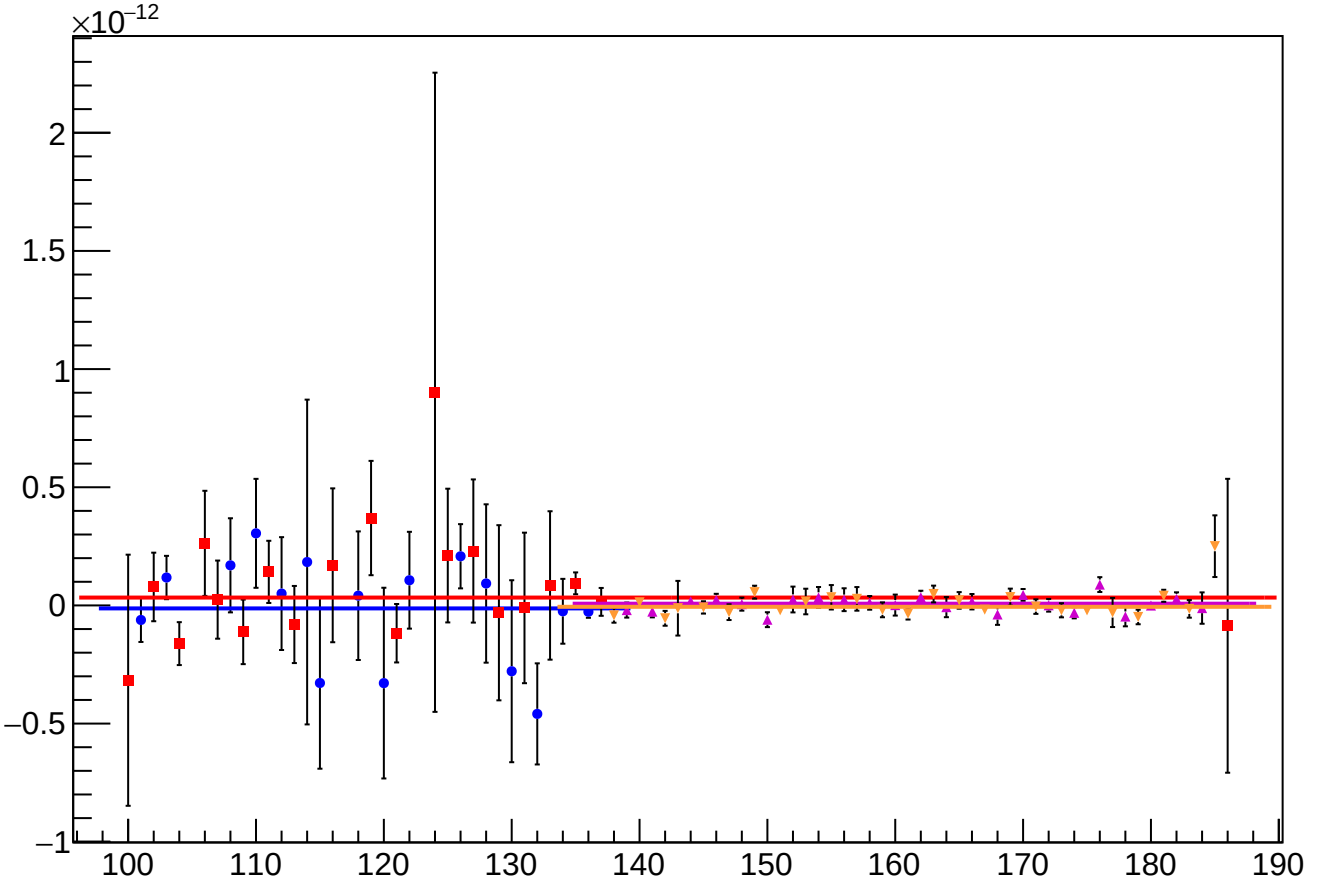
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2007.986+/-0.280 χ^2/NDF: 1714018.2/40

All: 2000.971+/-0.198 χ^2/NDF: 3088314.8/83

- 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: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/19

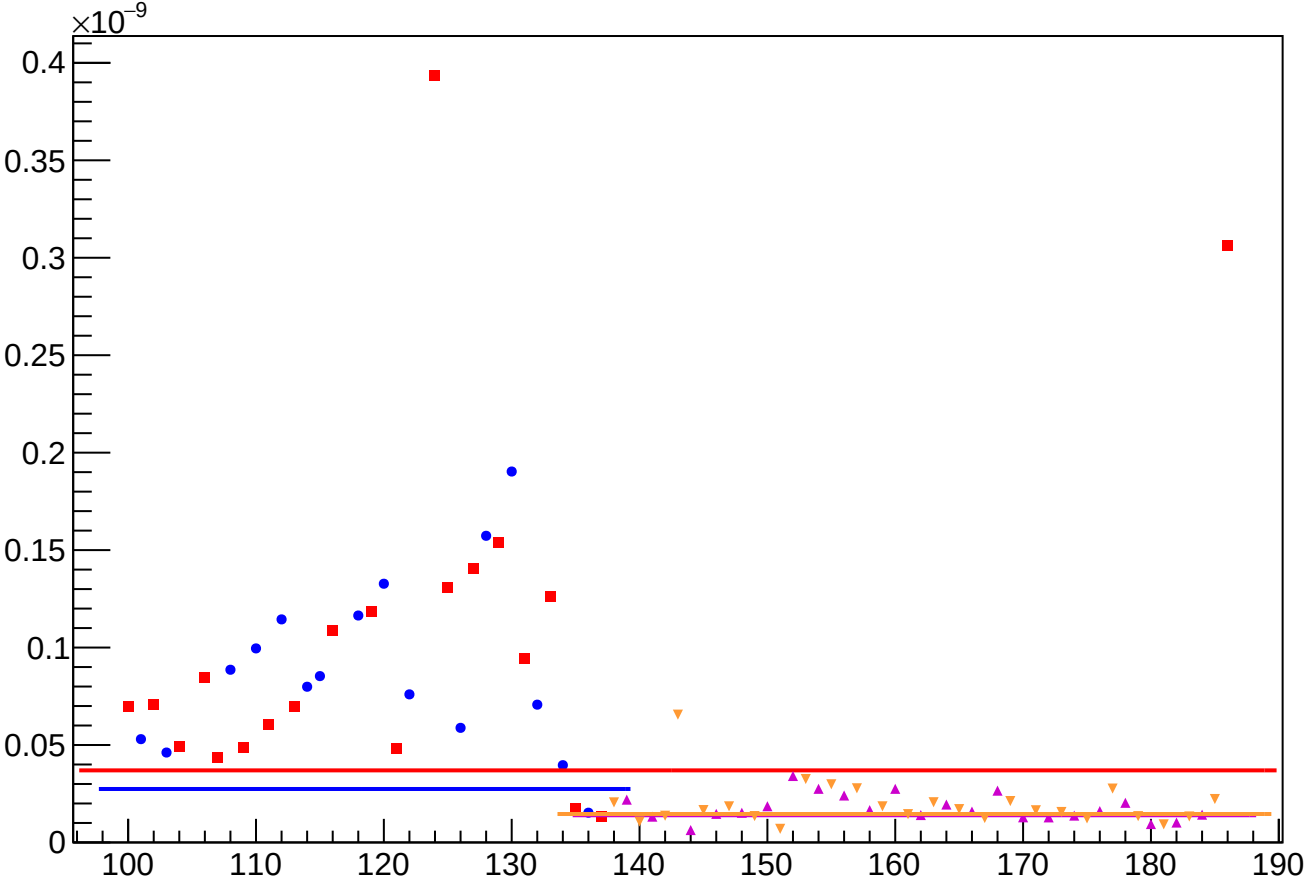
Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.5/40

All: 0.000+/-0.000 χ^2/NDF: 87.8/83

- sign 0.000+/-0.000 χ^2/NDF: 41.1/42

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2818270.8/19

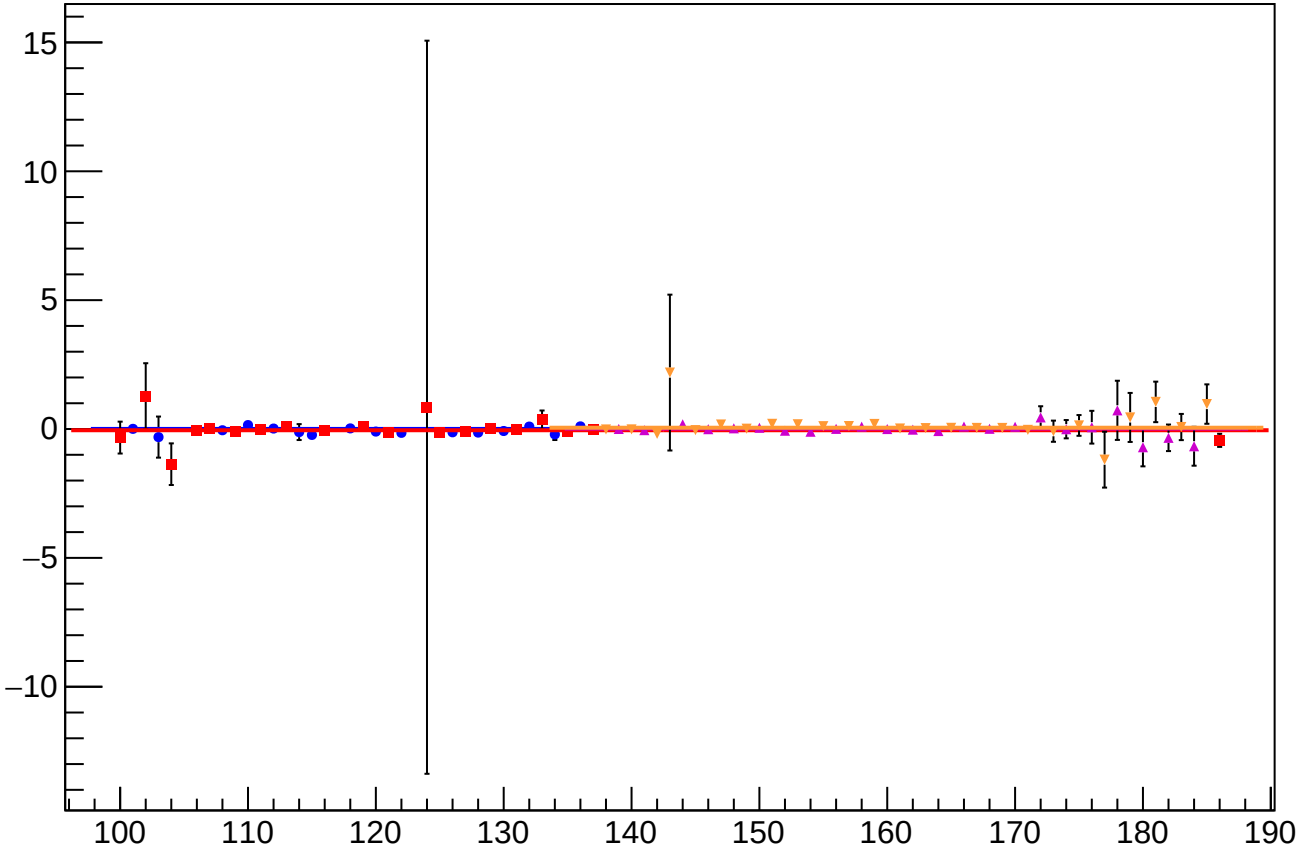
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5227398.3/40

All: 0.000+/-0.000 χ^2/NDF: 11295983.6/83

- sign 0.000+/-0.000 χ^2/NDF: 6060783.0/42

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.047+/-0.025 χ^2/NDF: 15.1/19

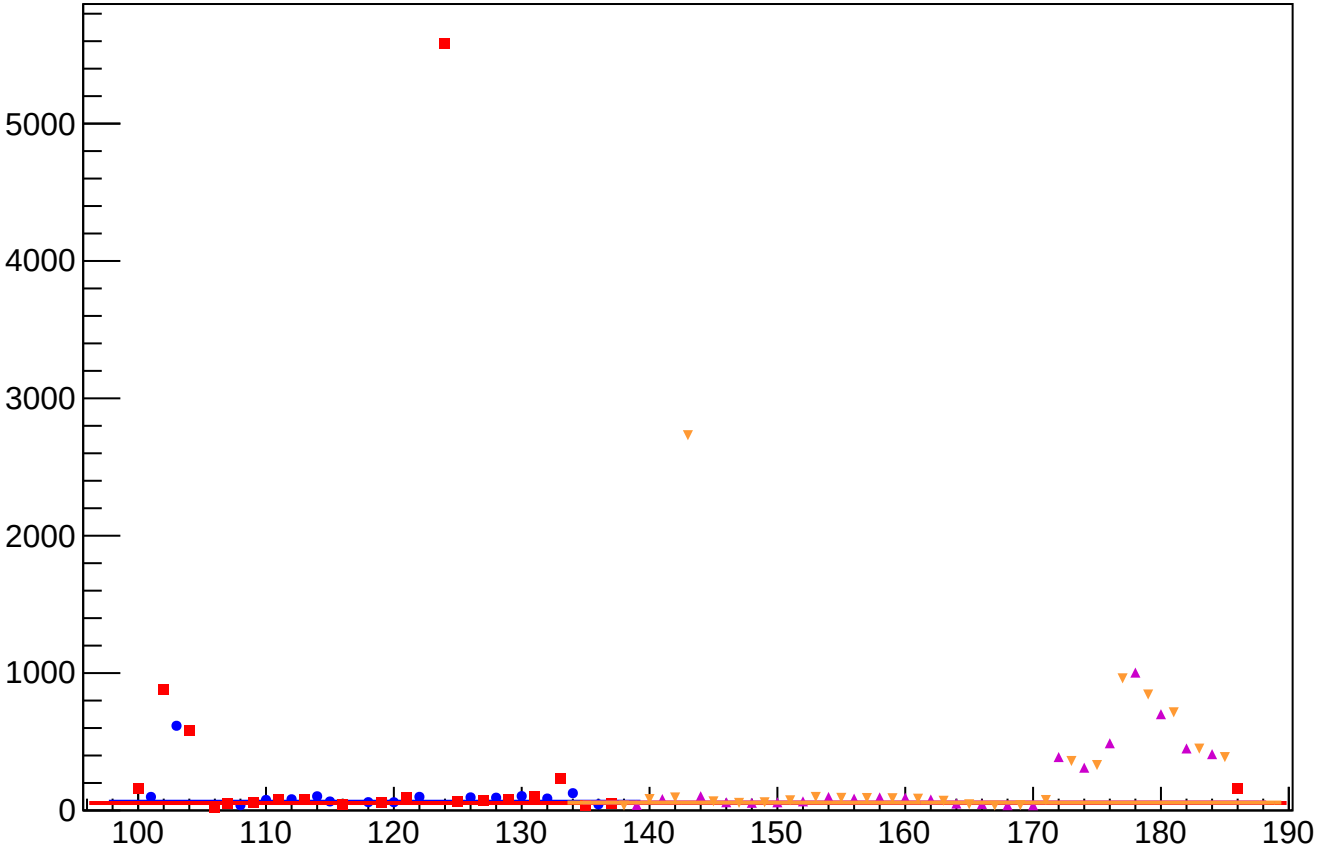
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.014 χ^2/NDF: 39.9/40

All: 0.017+/-0.010 χ^2/NDF: 79.0/83

- sign -0.002+/-0.014 χ^2/NDF: 35.4/42

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

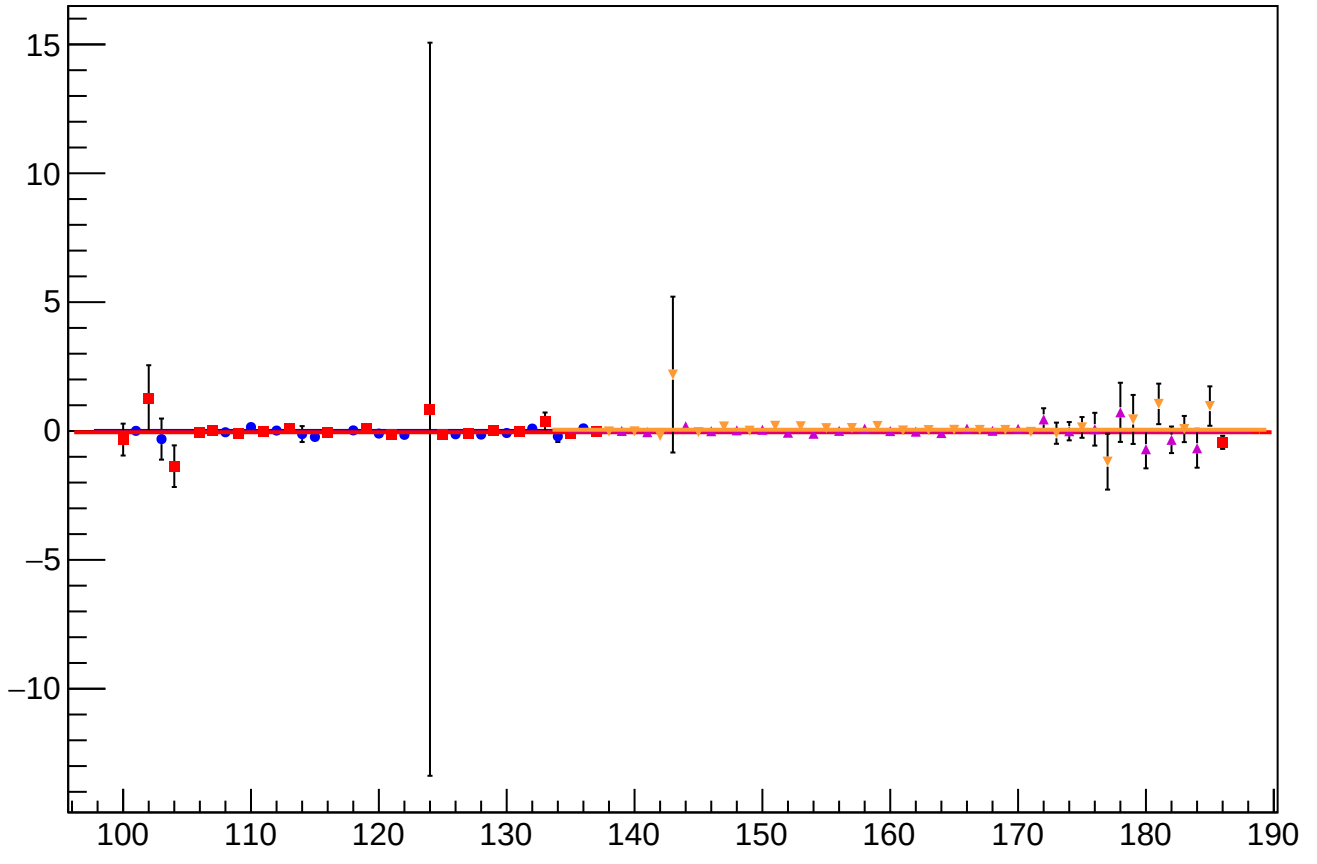
Right Out: 54.214+/-0.017 χ^2/NDF: 4293883.0/19

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 59.002+/-0.010 χ^2/NDF: 14841751.1/40

All: 58.060+/-0.007 χ^2/NDF: 29442066.6/83

- sign 57.164+/-0.010 χ^2/NDF: 14583688.8/42



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.047+/-0.025 χ^2/NDF: 15.1/19

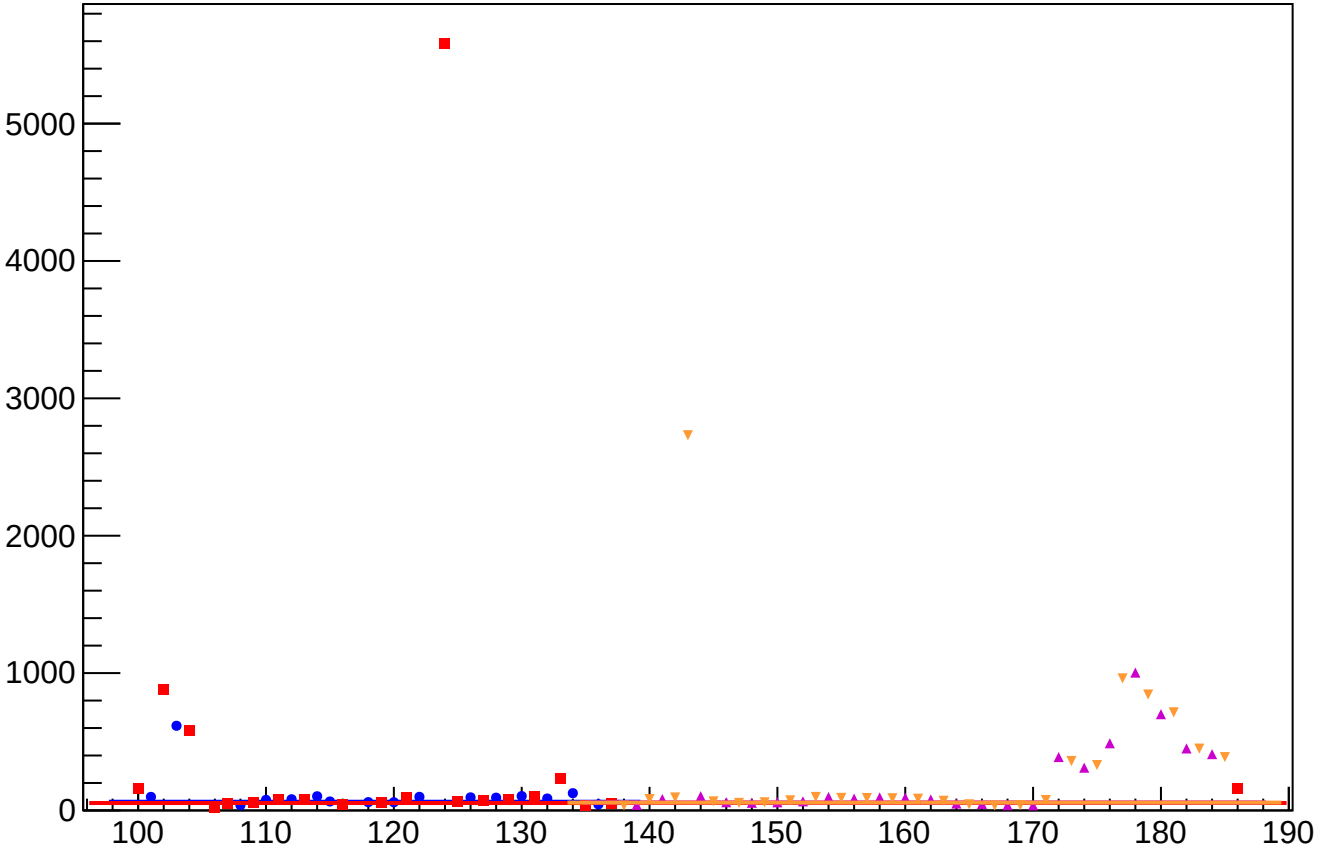
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.014 χ^2/NDF: 39.9/40

All: 0.017+/-0.010 χ^2/NDF: 79.0/83

- sign -0.002+/-0.014 χ^2/NDF: 35.4/42

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

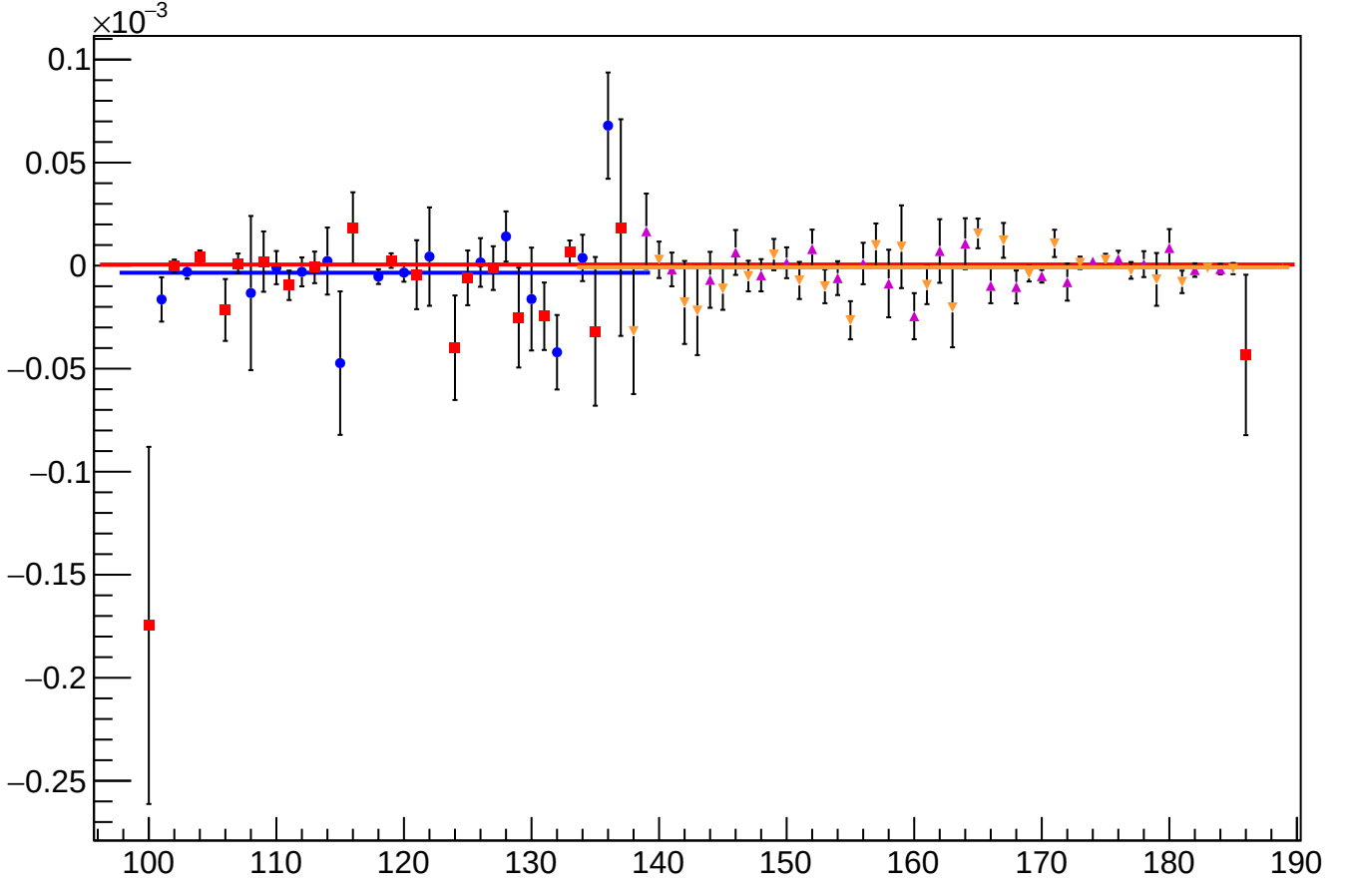
Right Out: 54.214+/-0.017 χ^2/NDF: 4293883.0/19

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 59.002+/-0.010 χ^2/NDF: 14841751.1/40

All: 58.060+/-0.007 χ^2/NDF: 29442066.6/83

- sign 57.164+/-0.010 χ^2/NDF: 14583688.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

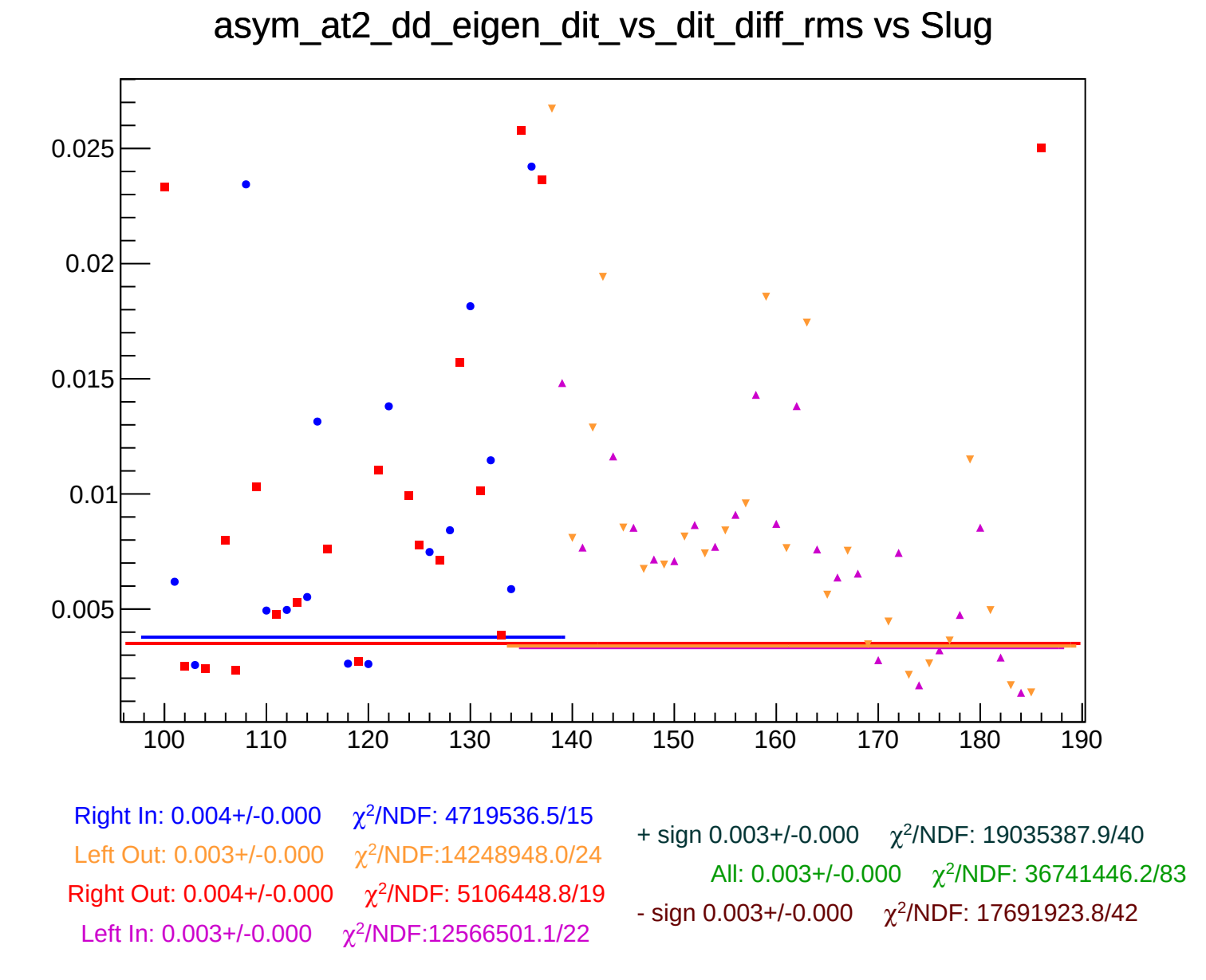
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/19

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

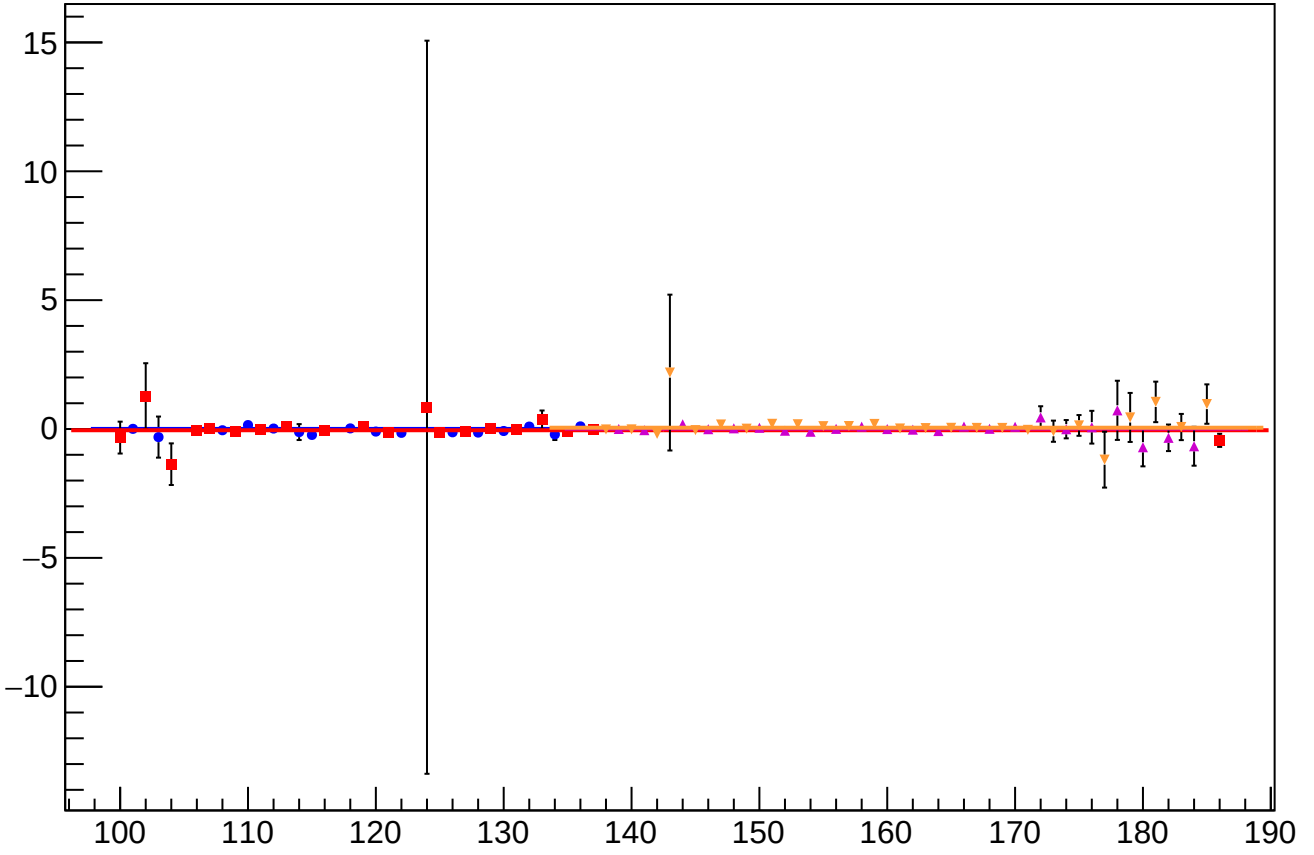
+ sign -0.000+/-0.000 χ^2/NDF: 53.3/40

All: -0.000+/-0.000 χ^2/NDF: 93.8/83

- 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: 4719536.5/15
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: 19035387.9/40
All: 0.003+/-0.000 χ²/NDF: 36741446.2/83
- sign 0.003+/-0.000 χ²/NDF: 17691923.8/42

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.047+/-0.025 χ^2/NDF: 15.1/19

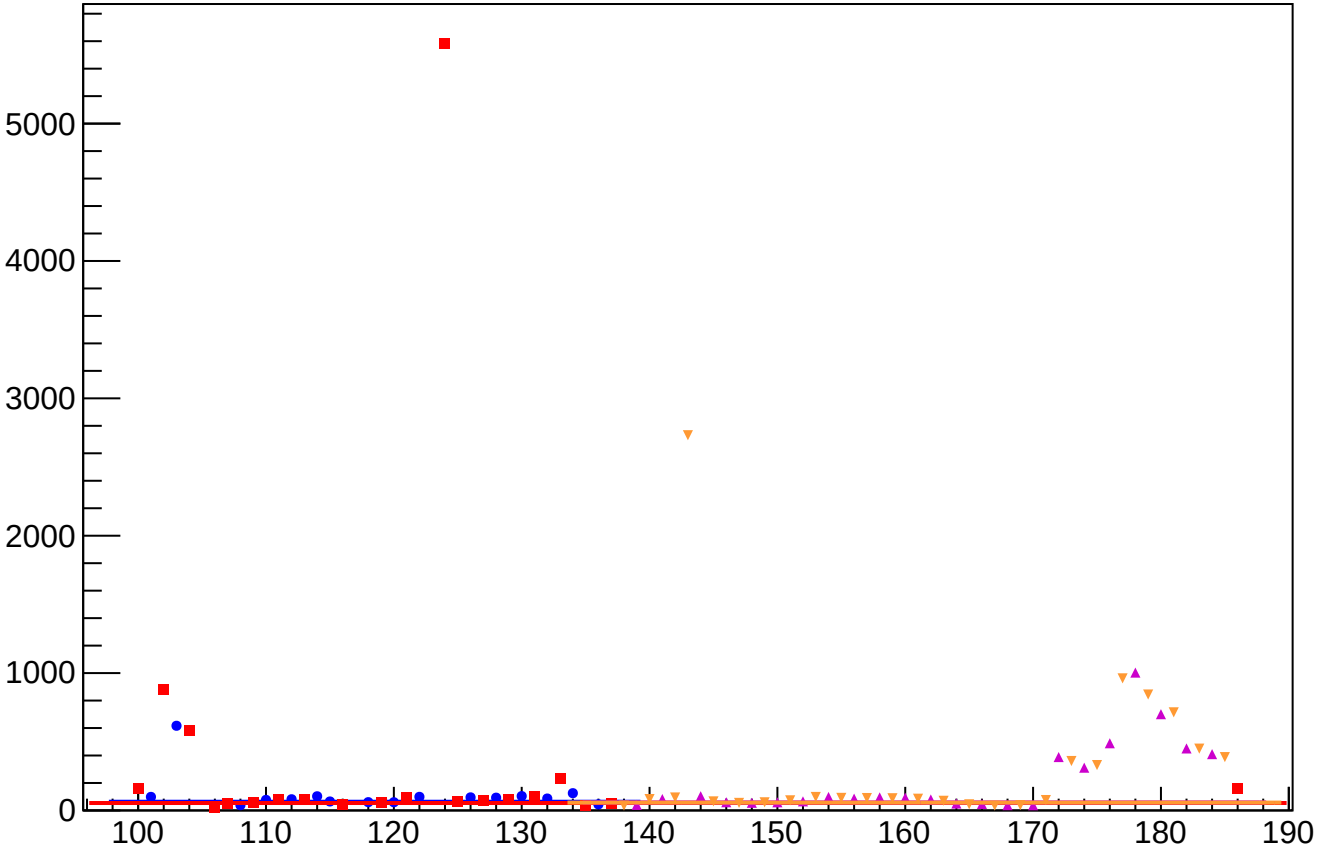
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.014 χ^2/NDF: 39.9/40

All: 0.017+/-0.010 χ^2/NDF: 79.0/83

- sign -0.002+/-0.014 χ^2/NDF: 35.4/42

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

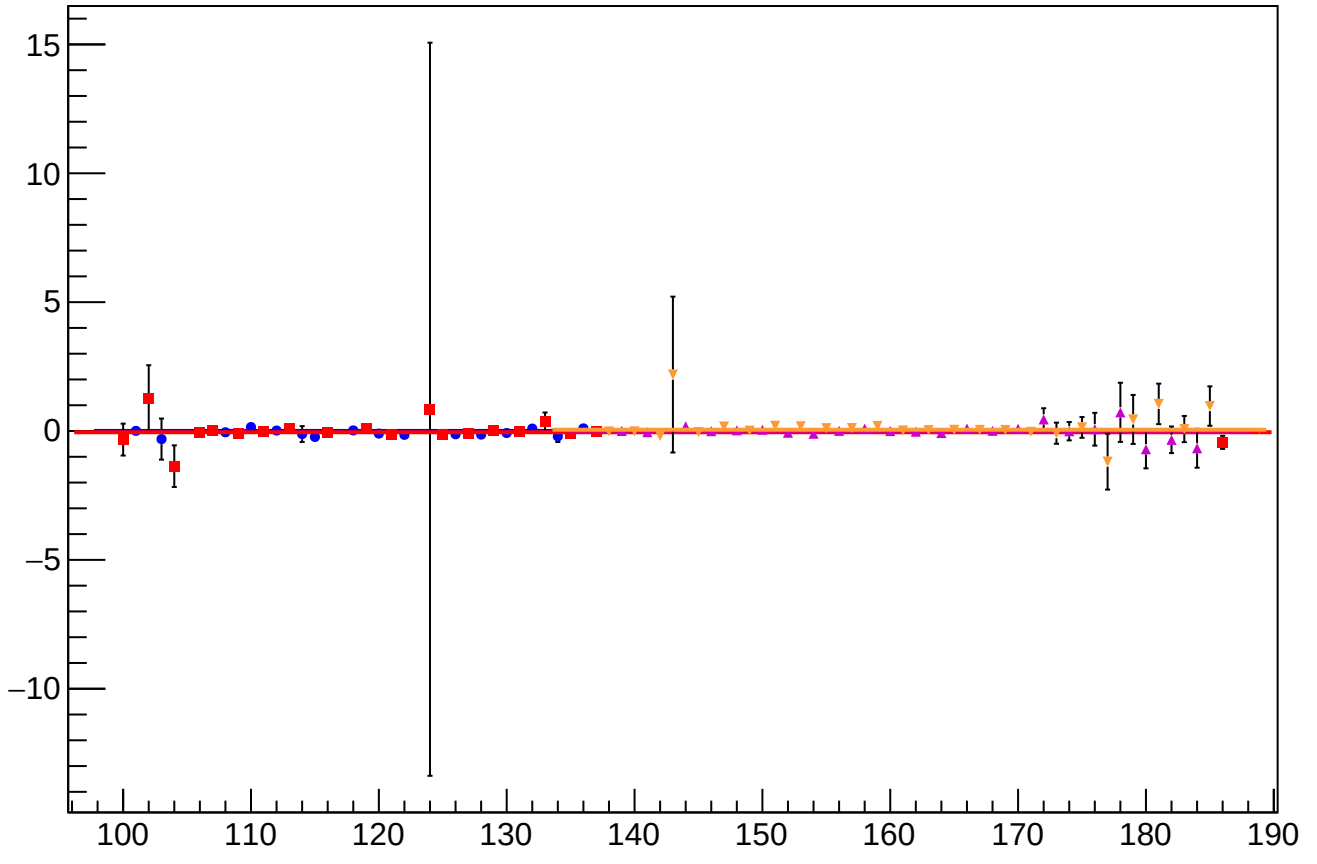
Right Out: 54.209+/-0.017 χ^2/NDF: 4294479.8/19

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 59.004+/-0.010 χ^2/NDF: 14840829.2/40

All: 58.061+/-0.007 χ^2/NDF: 29441412.6/83

- sign 57.164+/-0.010 χ^2/NDF: 14583927.5/42



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

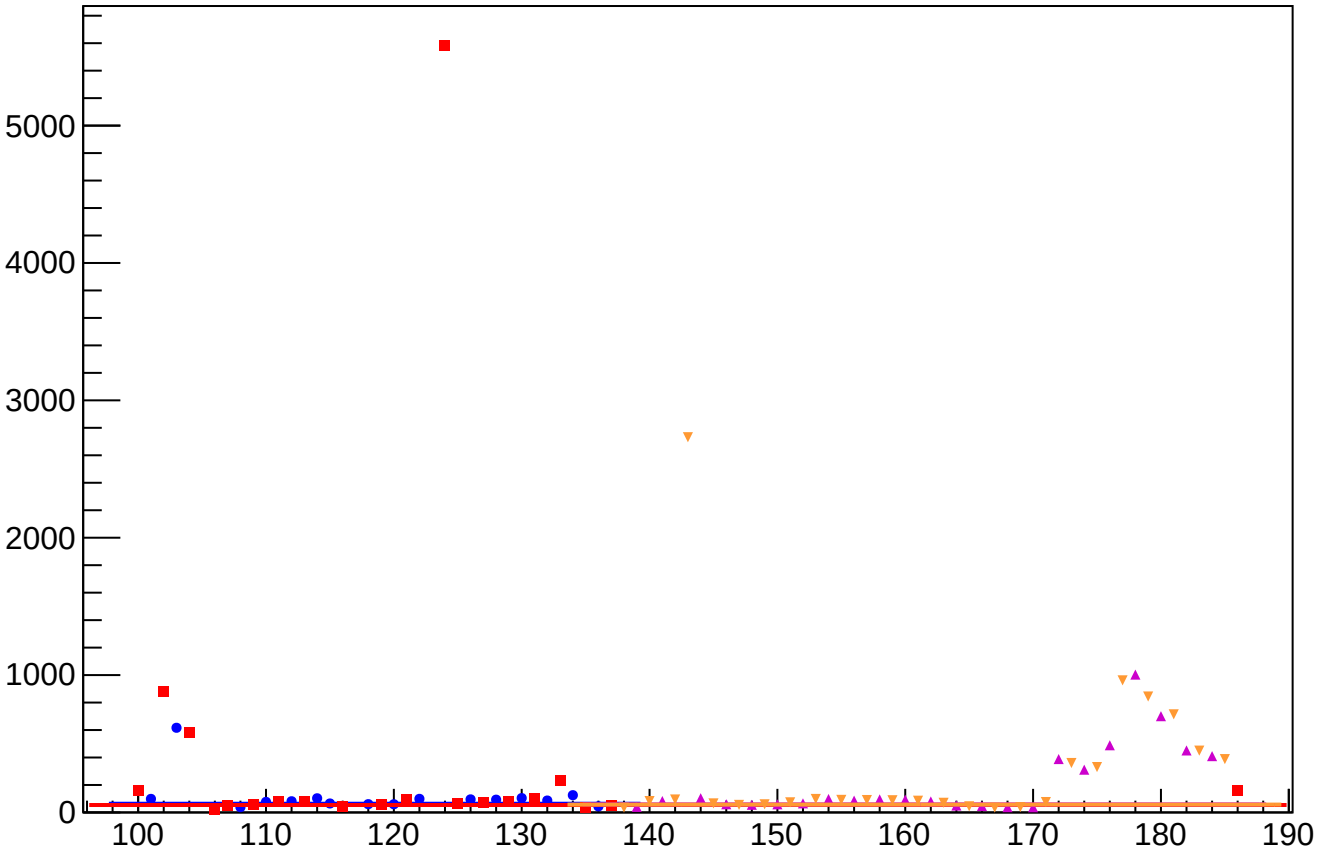
Right Out: -0.047+/-0.025 χ^2/NDF: 15.1/19

Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.014 χ^2/NDF: 39.9/40

All: 0.017+/-0.010 χ^2/NDF: 79.0/83

- sign -0.002+/-0.014 χ^2/NDF: 35.4/42



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 54.209+/-0.017 χ^2/NDF: 4294479.8/19

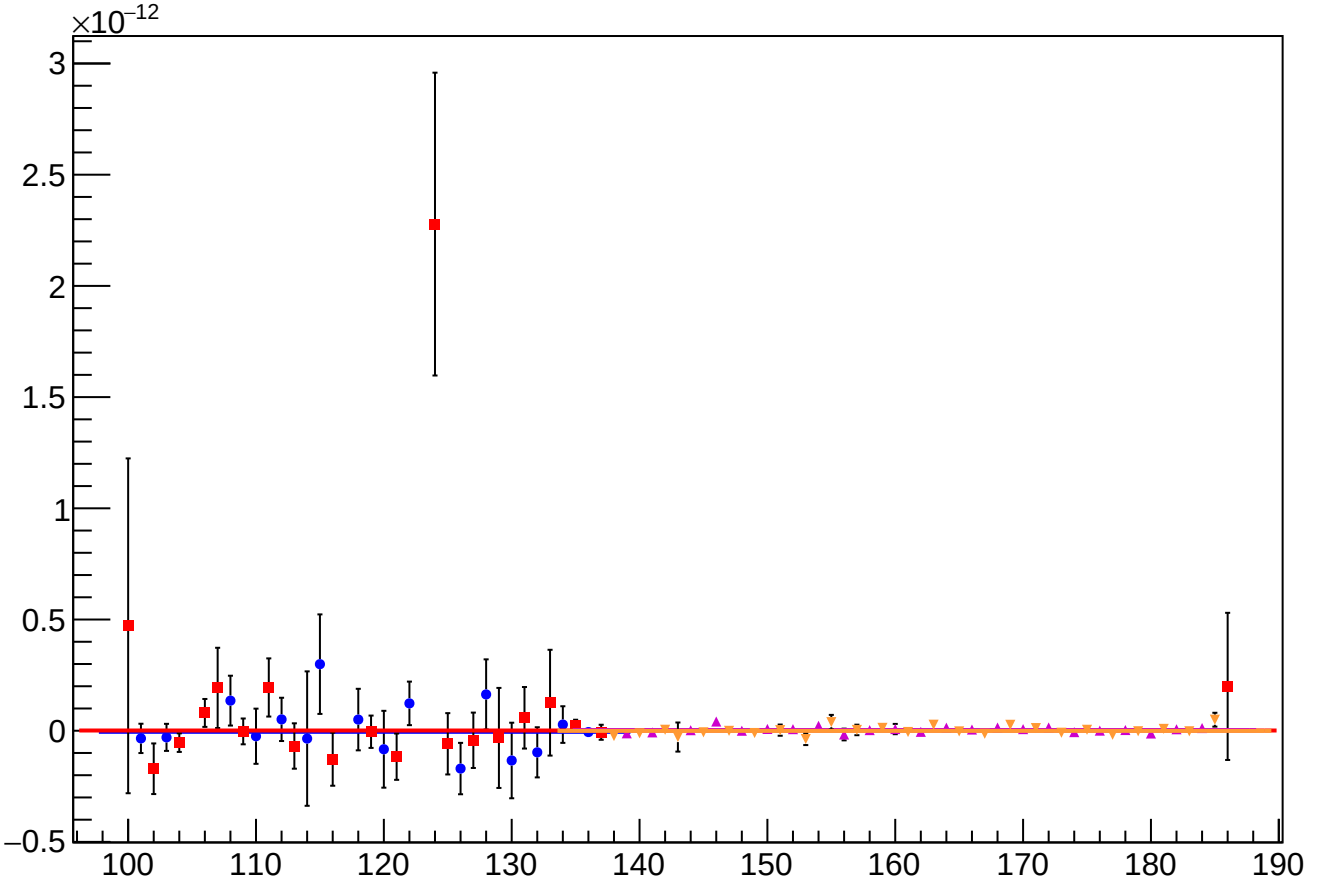
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

\+ sign 59.004+/-0.010 χ^2/NDF: 14840829.2/40

All: 58.061+/-0.007 χ^2/NDF: 29441412.6/83

\- 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: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

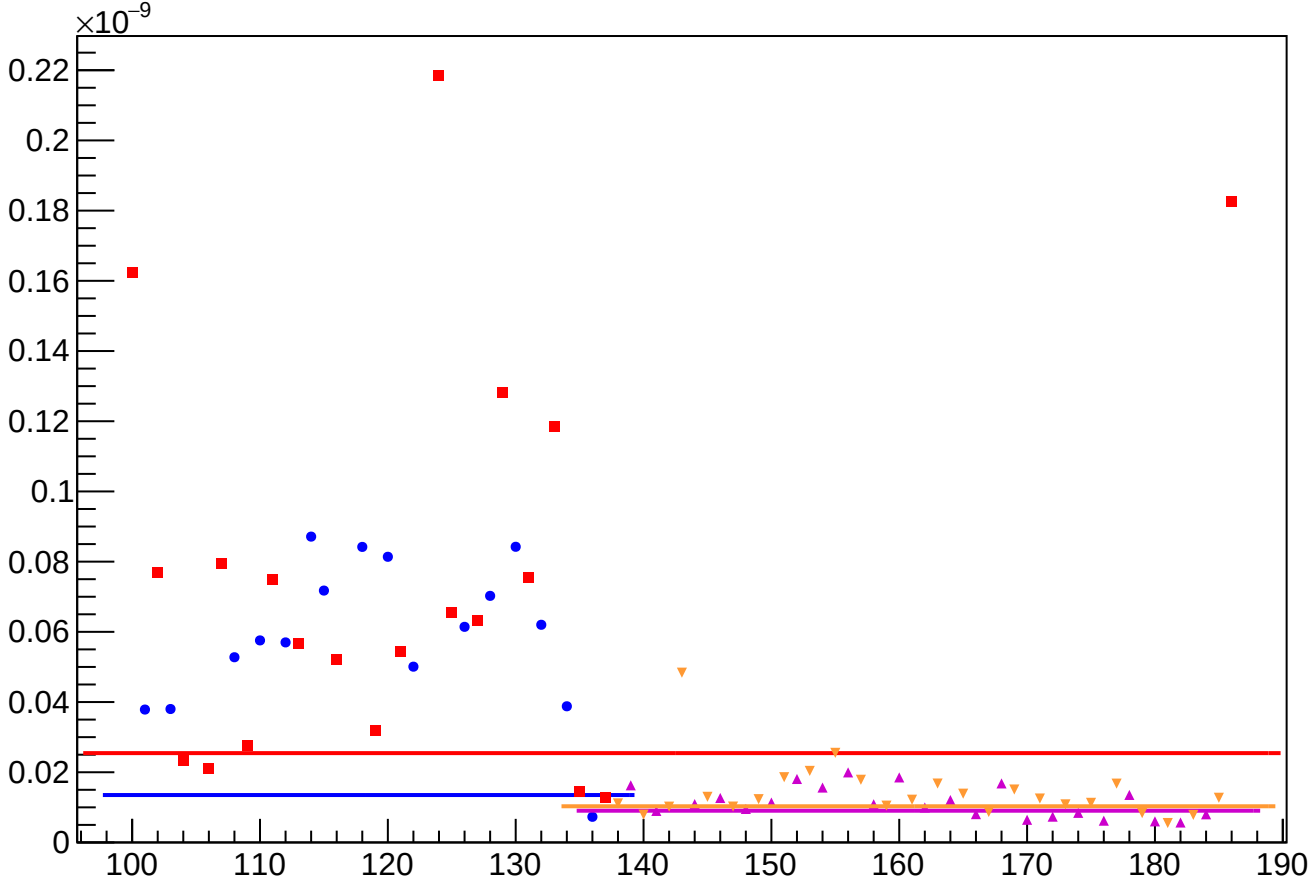
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/19

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.8/40

All: 0.000+/-0.000 χ^2/NDF: 71.6/83

- sign 0.000+/-0.000 χ^2/NDF: 40.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4030308.0/19

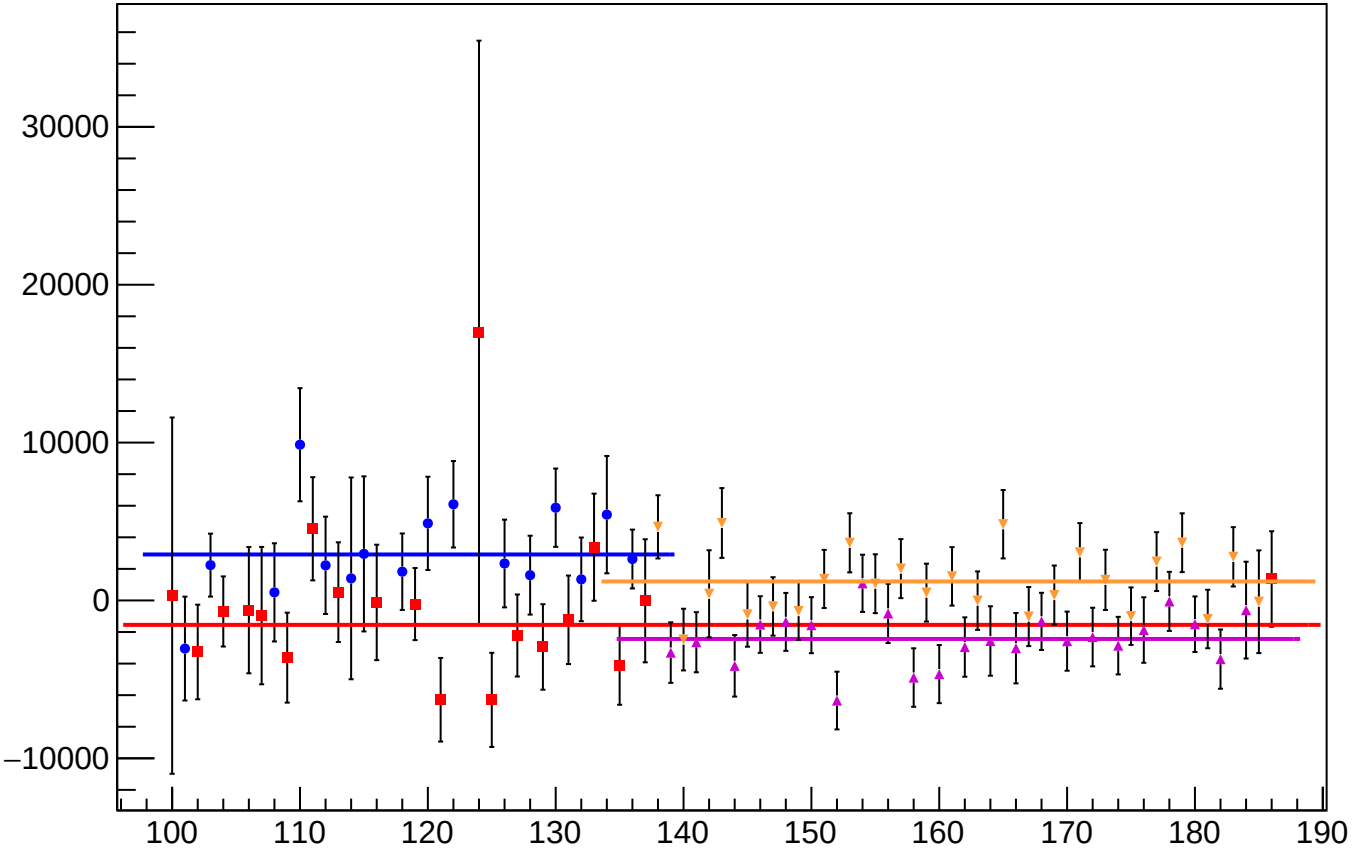
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8815397.7/40

All: 0.000+/-0.000 χ^2/NDF: 18309846.2/83

- sign 0.000+/-0.000 χ^2/NDF: 9379699.1/42

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1546.101+/-688.290 χ^2/NDF: 16.8/19

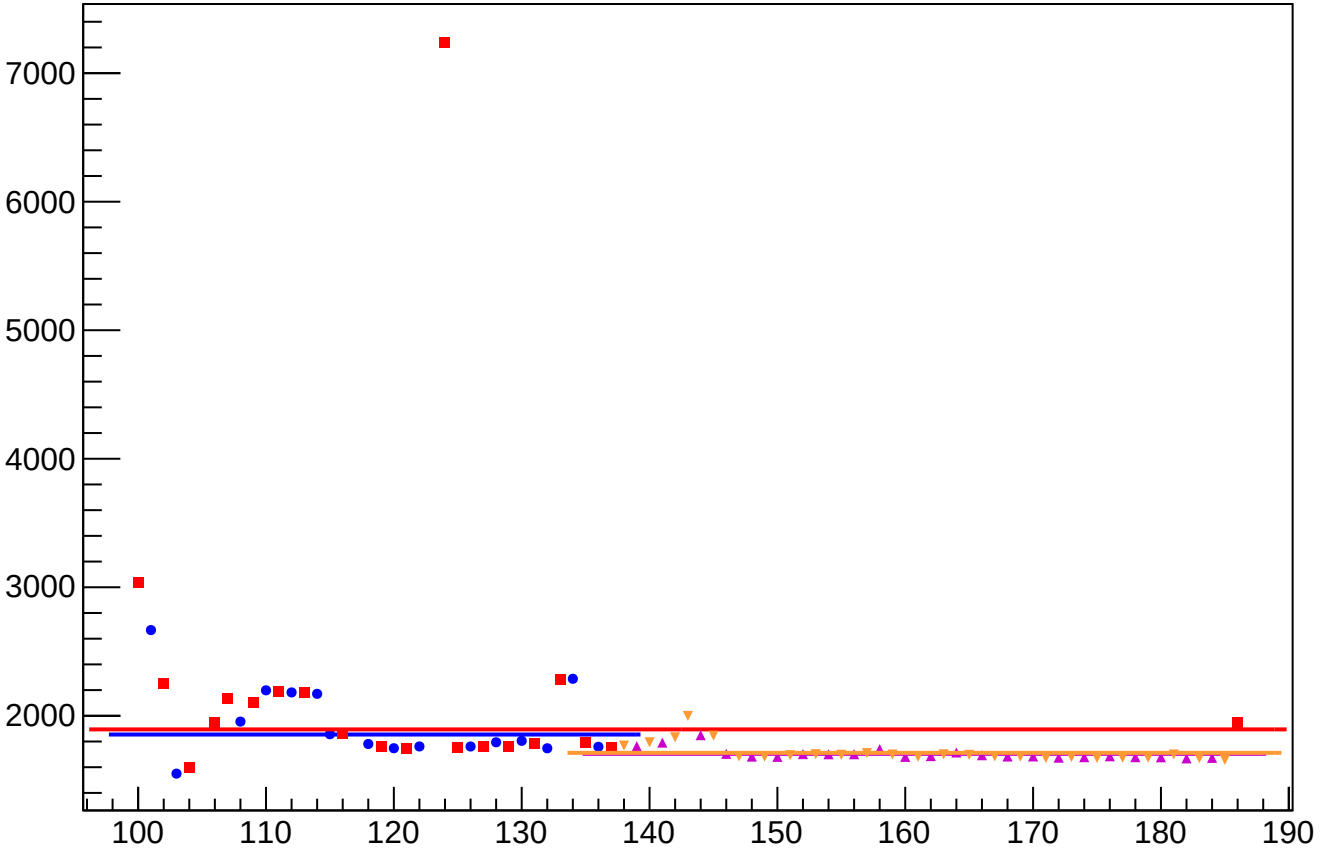
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1610.619+/-339.545 χ^2/NDF: 43.4/40

All: -274.484+/-241.836 χ^2/NDF: 141.5/83

- sign -2215.289+/-344.524 χ^2/NDF: 35.5/42

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1894.239+/-0.486 χ^2/NDF: 364648.7/19

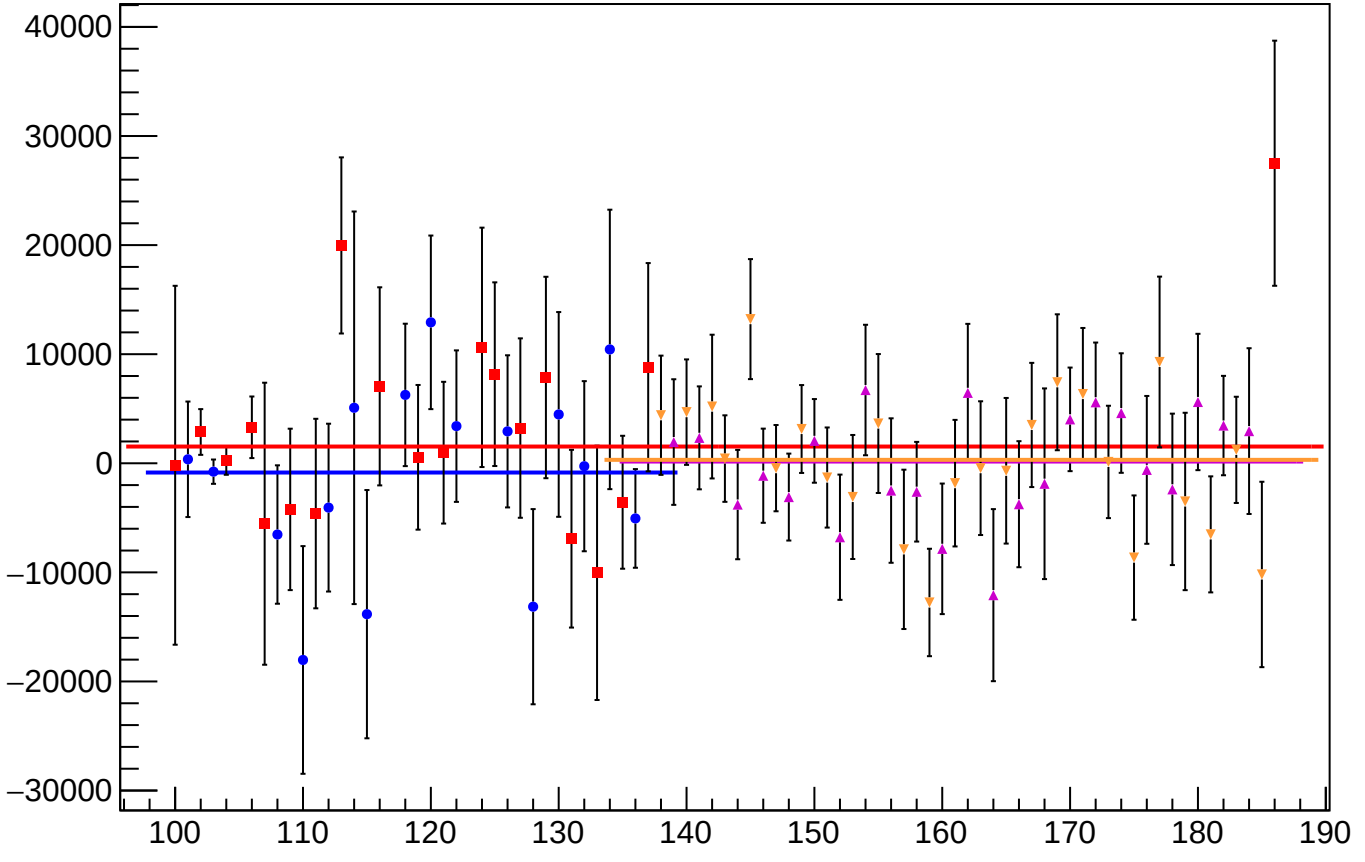
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1745.792+/-0.240 χ^2/NDF: 387427.8/40

All: 1748.753+/-0.171 χ^2/NDF: 889874.9/83

- sign 1751.799+/-0.243 χ^2/NDF: 502138.6/42

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1534.138+/-912.896 χ^2/NDF: 19.4/19

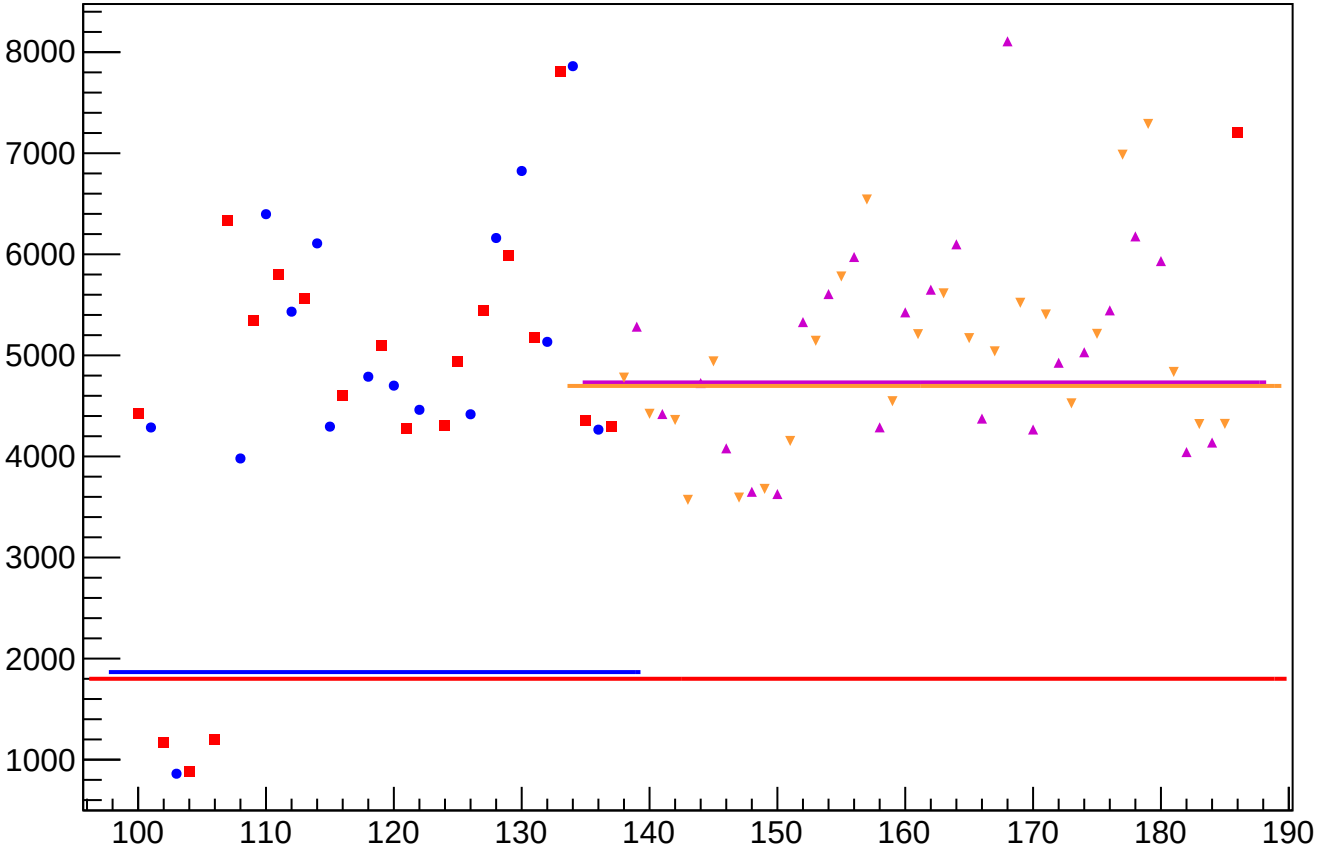
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -339.657+/-722.227 χ^2/NDF: 41.5/40

All: 336.654+/-506.215 χ^2/NDF: 78.3/83

- sign 989.762+/-709.730 χ^2/NDF: 35.0/42

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 1800.217+/-0.646 χ^2/NDF: 6901081.1/19

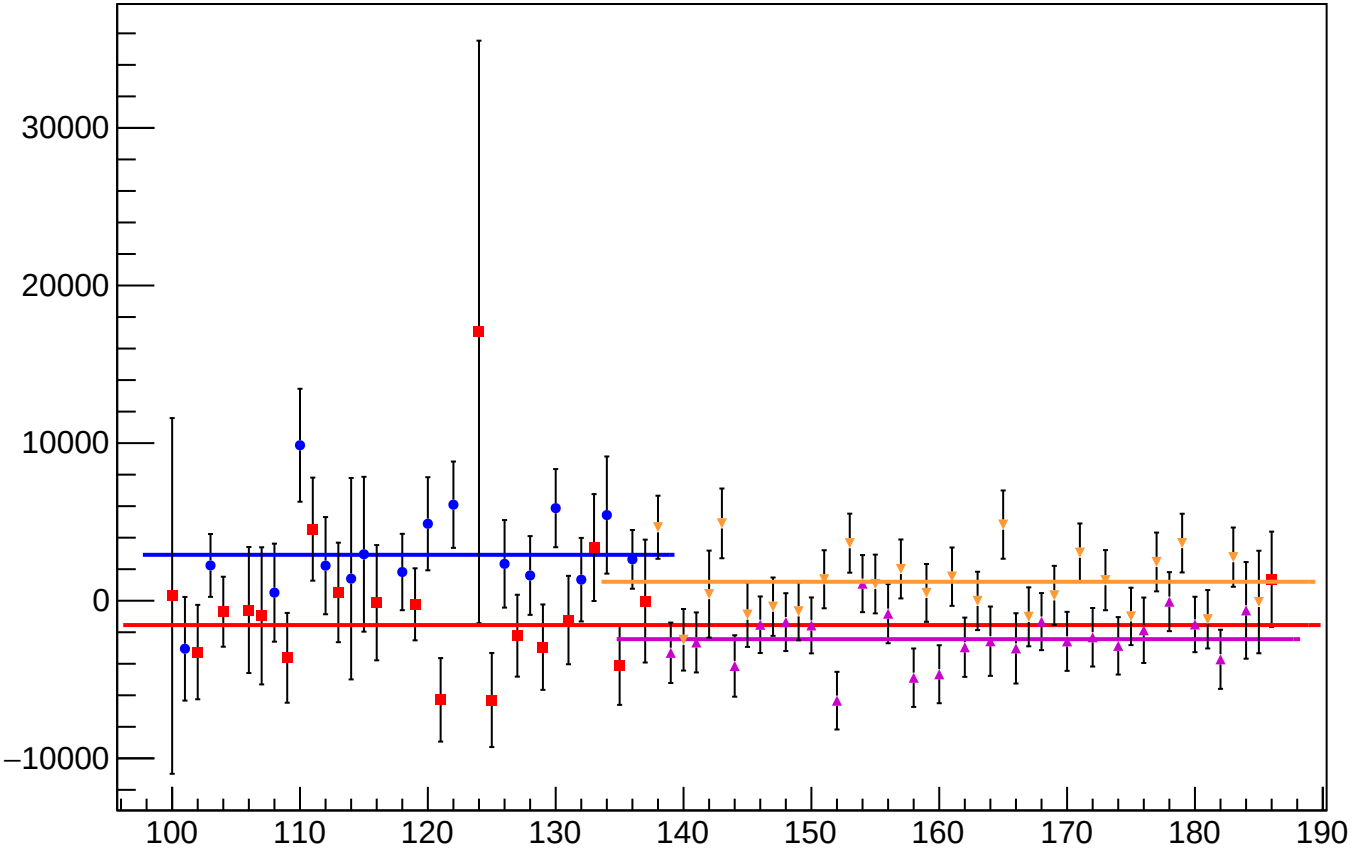
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3104.900+/-0.511 χ^2/NDF: 15652412.8/40

All: 3031.246+/-0.358 χ^2/NDF: 31999305.7/8

- sign 2960.119+/-0.502 χ^2/NDF: 16306005.8/42

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1544.789+/-688.291 χ^2/NDF: 16.8/19

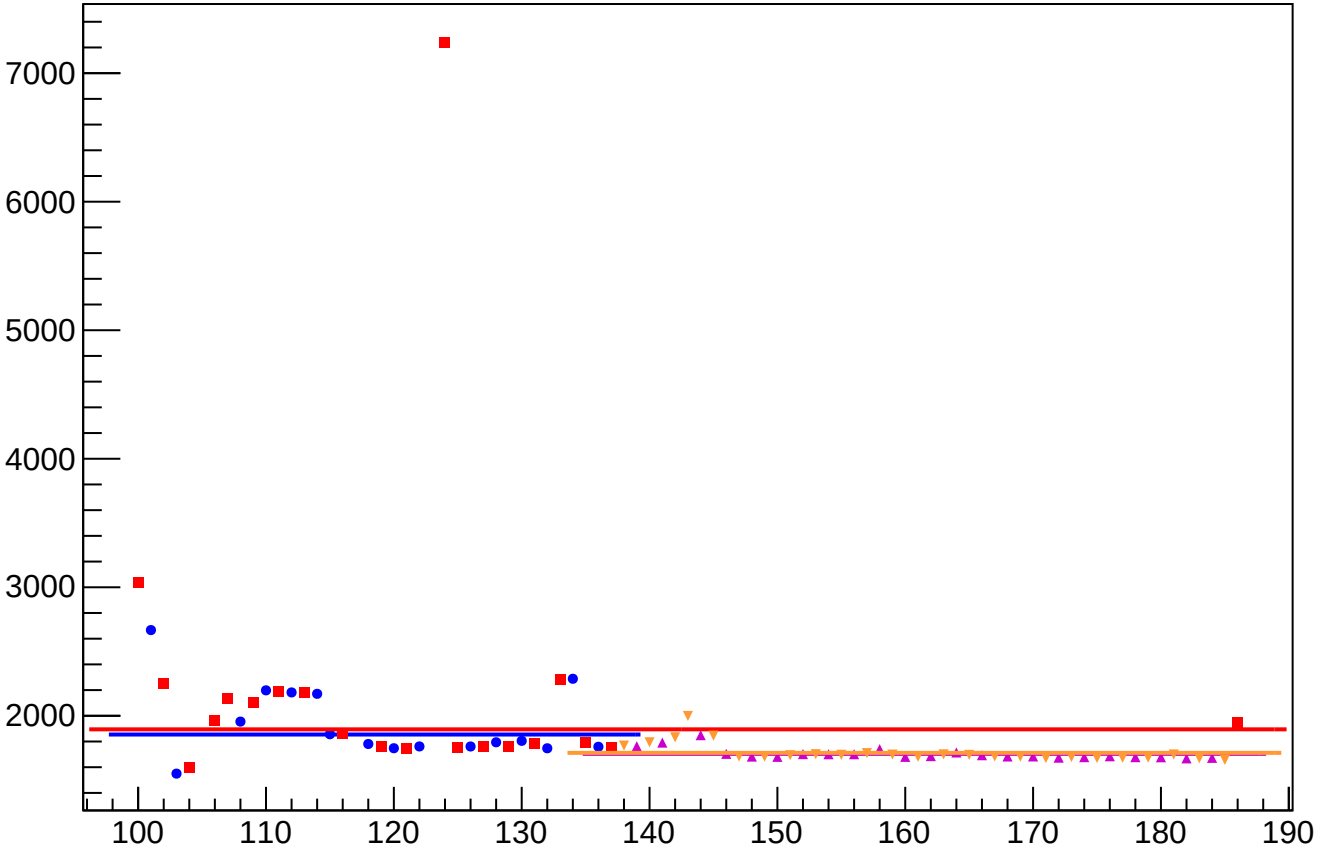
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1610.569+/-339.545 χ^2/NDF: 43.4/40

All: -274.322+/-241.836 χ^2/NDF: 141.5/83

- sign -2214.909+/-344.525 χ^2/NDF: 35.6/42

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1894.674+/-0.486 χ^2/NDF: 364880.1/19

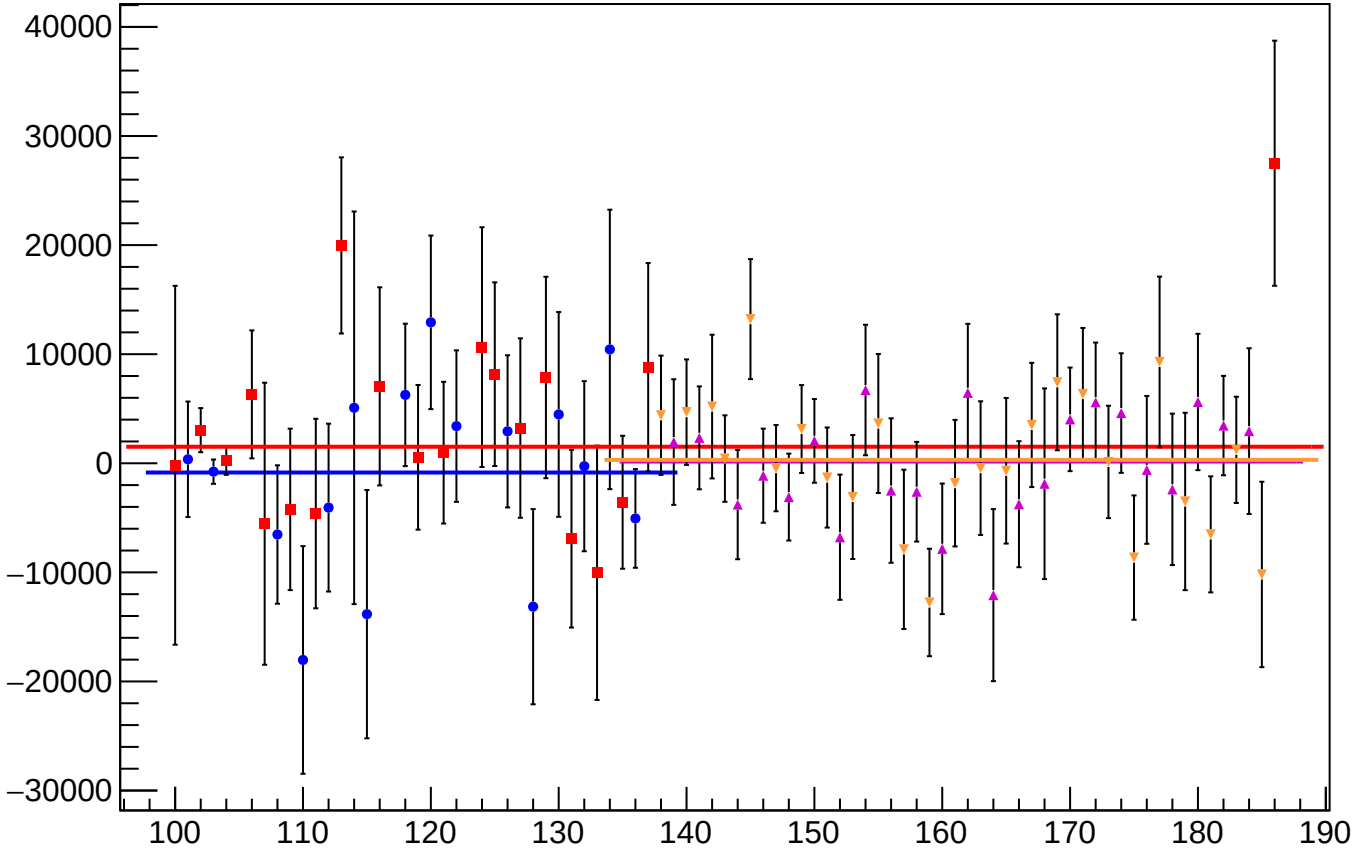
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1745.792+/-0.240 χ^2/NDF: 387427.7/40

All: 1748.800+/-0.171 χ^2/NDF: 890605.9/83

- sign 1751.893+/-0.243 χ^2/NDF: 502859.9/42

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1516.477+/-944.804 χ^2/NDF: 19.8/19

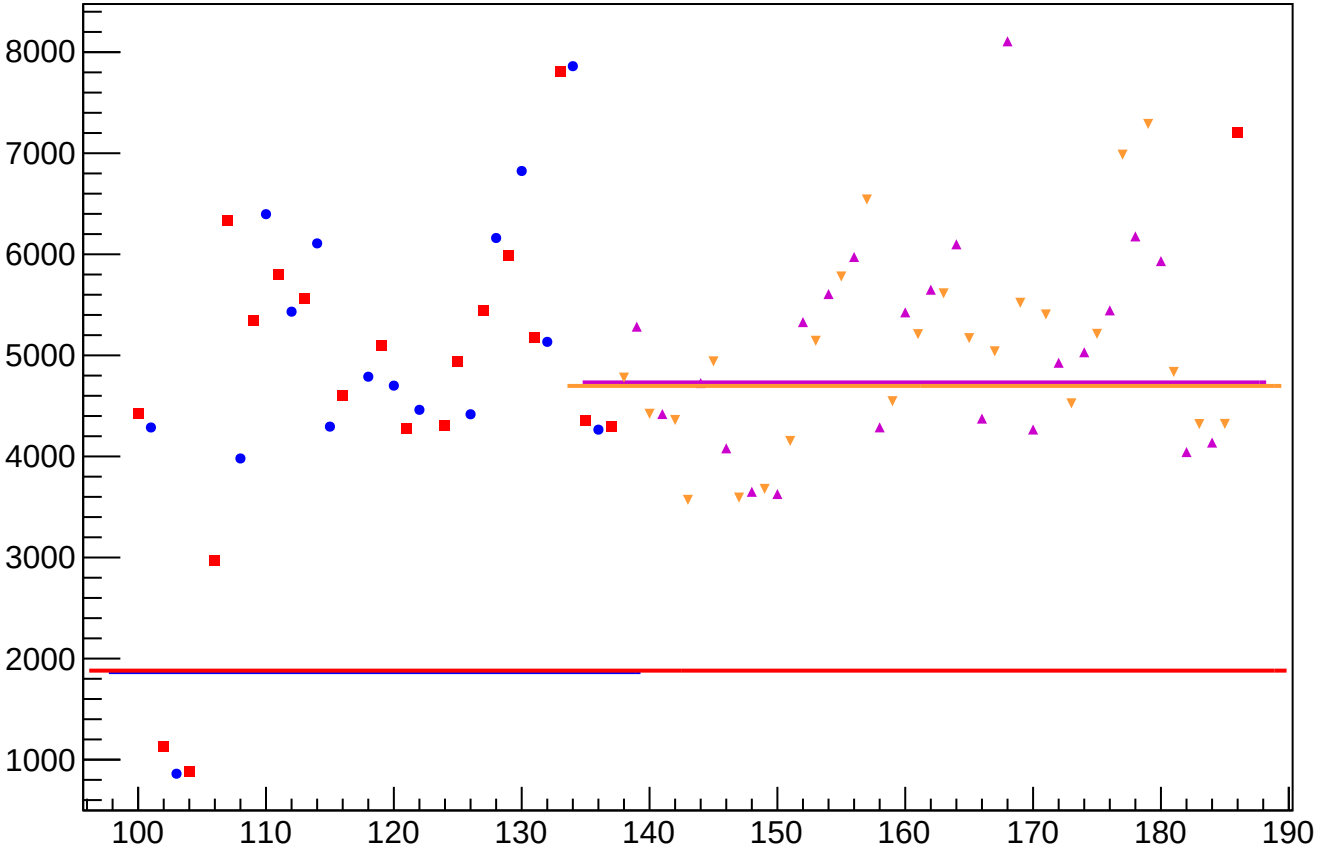
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -339.407+/-722.204 χ^2/NDF: 41.5/40

All: 306.624+/-511.456 χ^2/NDF: 78.5/83

- sign 956.620+/-724.416 χ^2/NDF: 35.4/42

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 1880.818+/-0.668 χ^2/NDF: 6911145.8/19

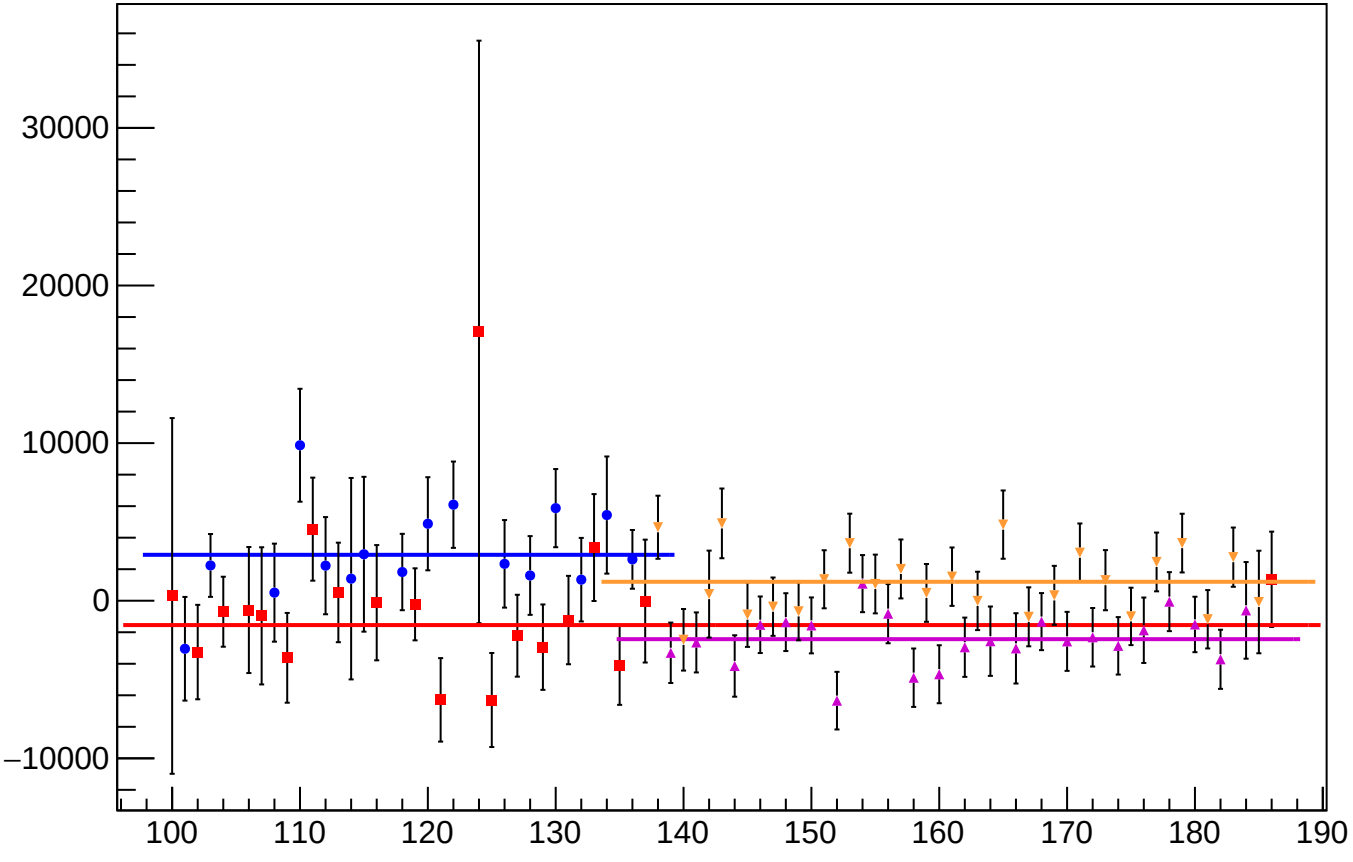
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3104.735+/-0.511 χ^2/NDF: 15654021.0/40

All: 3080.444+/-0.362 χ^2/NDF: 31320824.3/8

- sign 3056.003+/-0.512 χ^2/NDF: 15662264.1/42

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1544.789+/-688.291 χ^2/NDF: 16.8/19

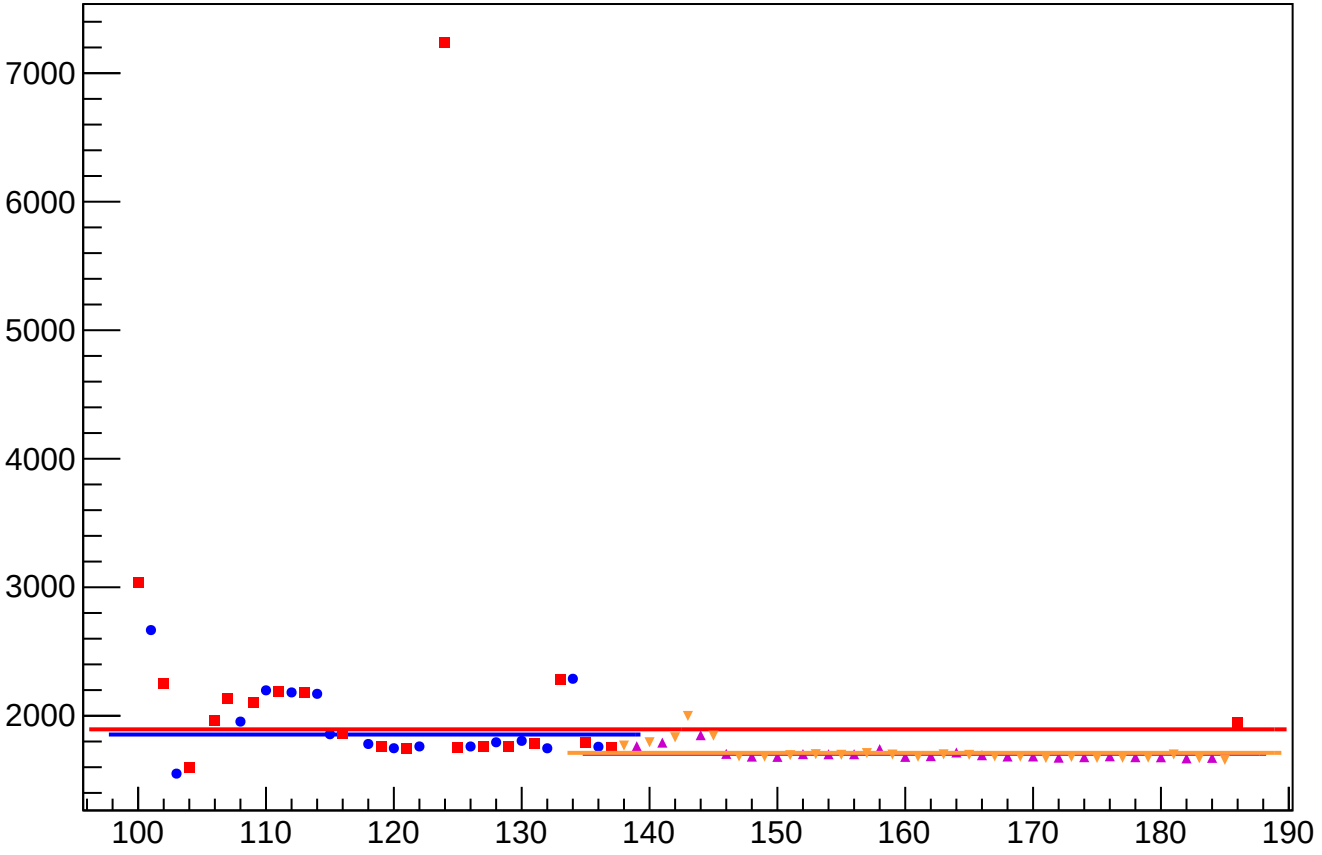
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1610.569+/-339.545 χ^2/NDF: 43.4/40

All: -274.322+/-241.836 χ^2/NDF: 141.5/83

- sign -2214.909+/-344.525 χ^2/NDF: 35.6/42

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

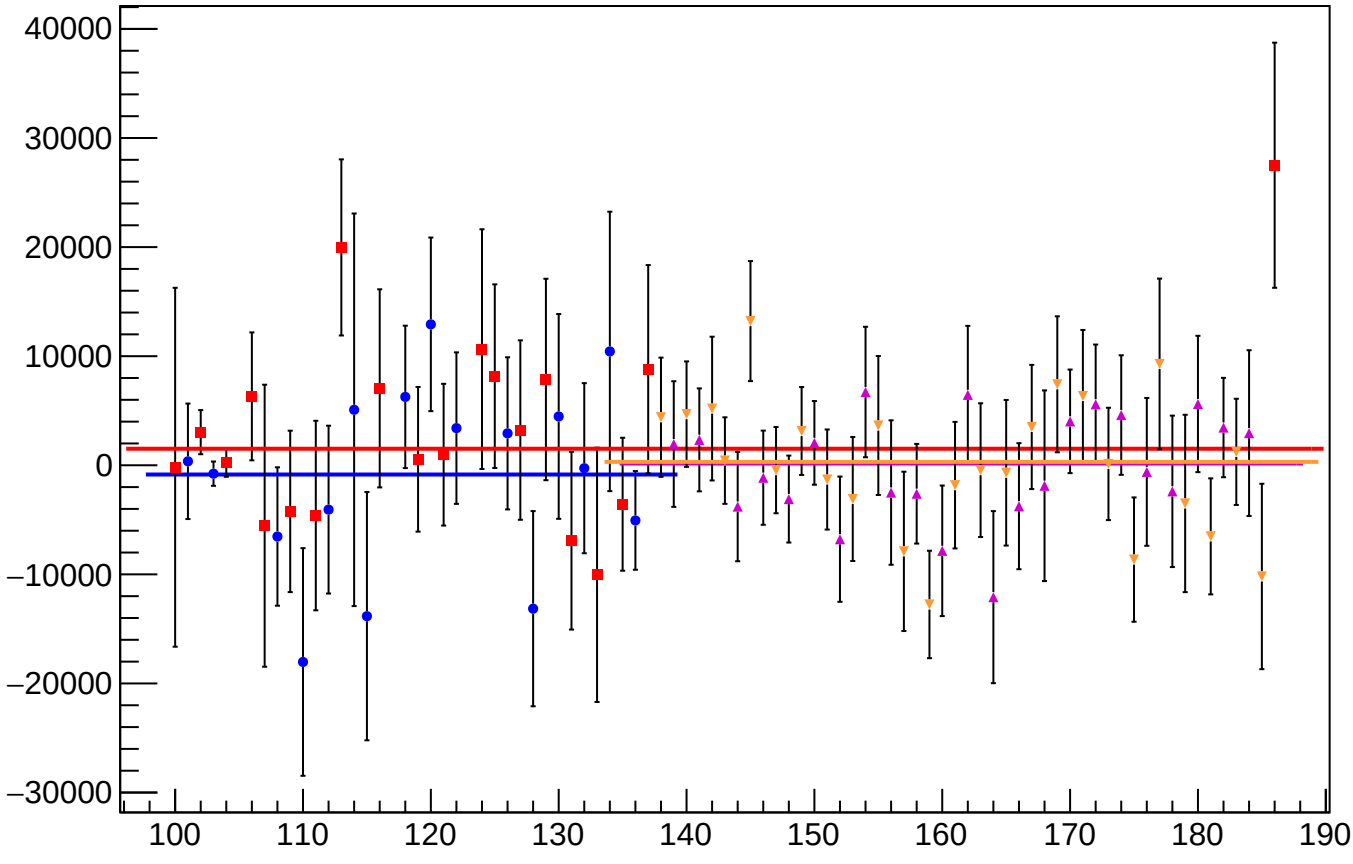
Right Out: 1894.674+/-0.486 χ^2/NDF: 364880.1/19

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1745.792+/-0.240 χ^2/NDF: 387427.7/40

All: 1748.800+/-0.171 χ^2/NDF: 890605.9/83

- sign 1751.893+/-0.243 χ^2/NDF: 502859.9/42



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

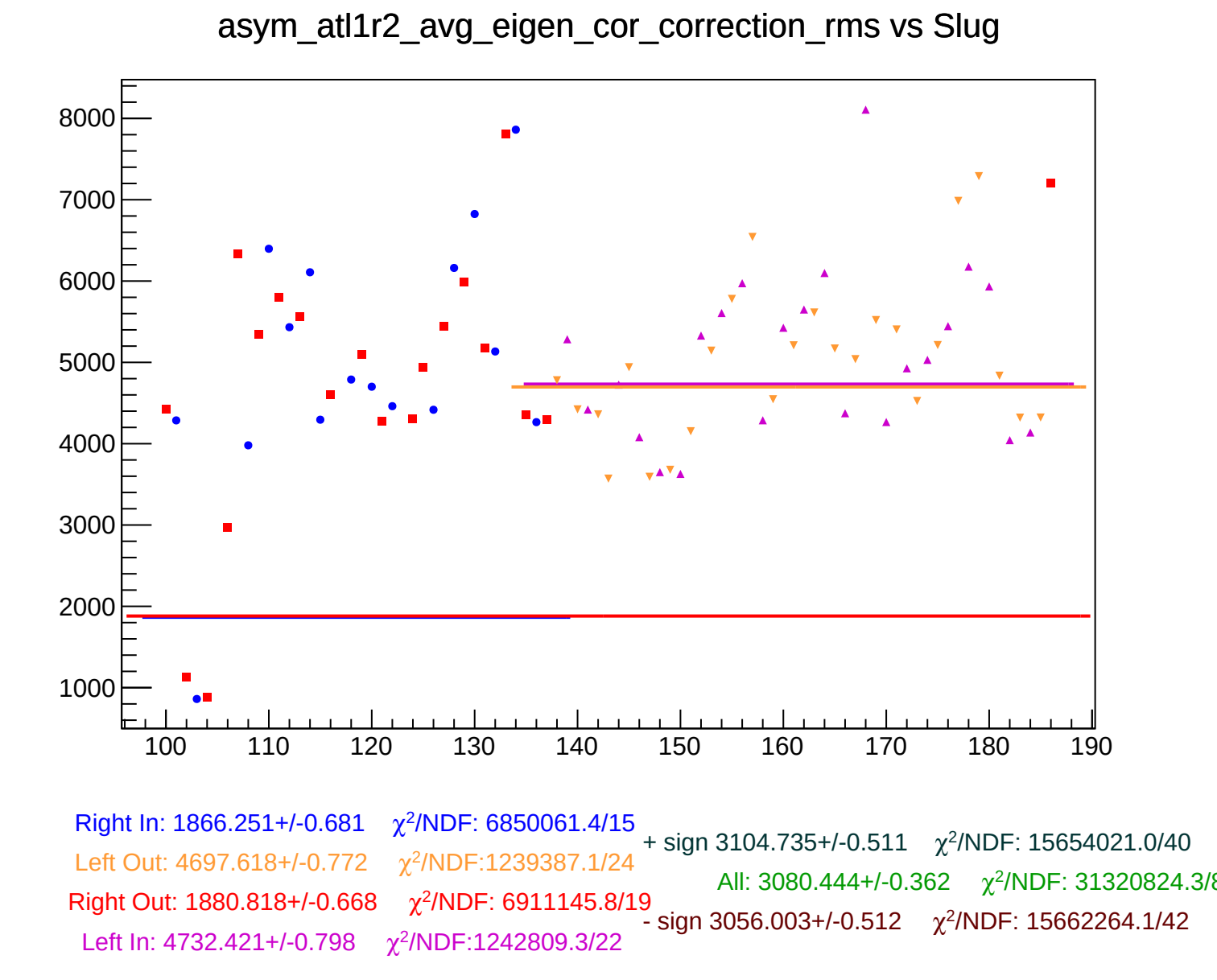
Right Out: 1516.477+/-944.804 χ^2/NDF: 19.8/19

Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

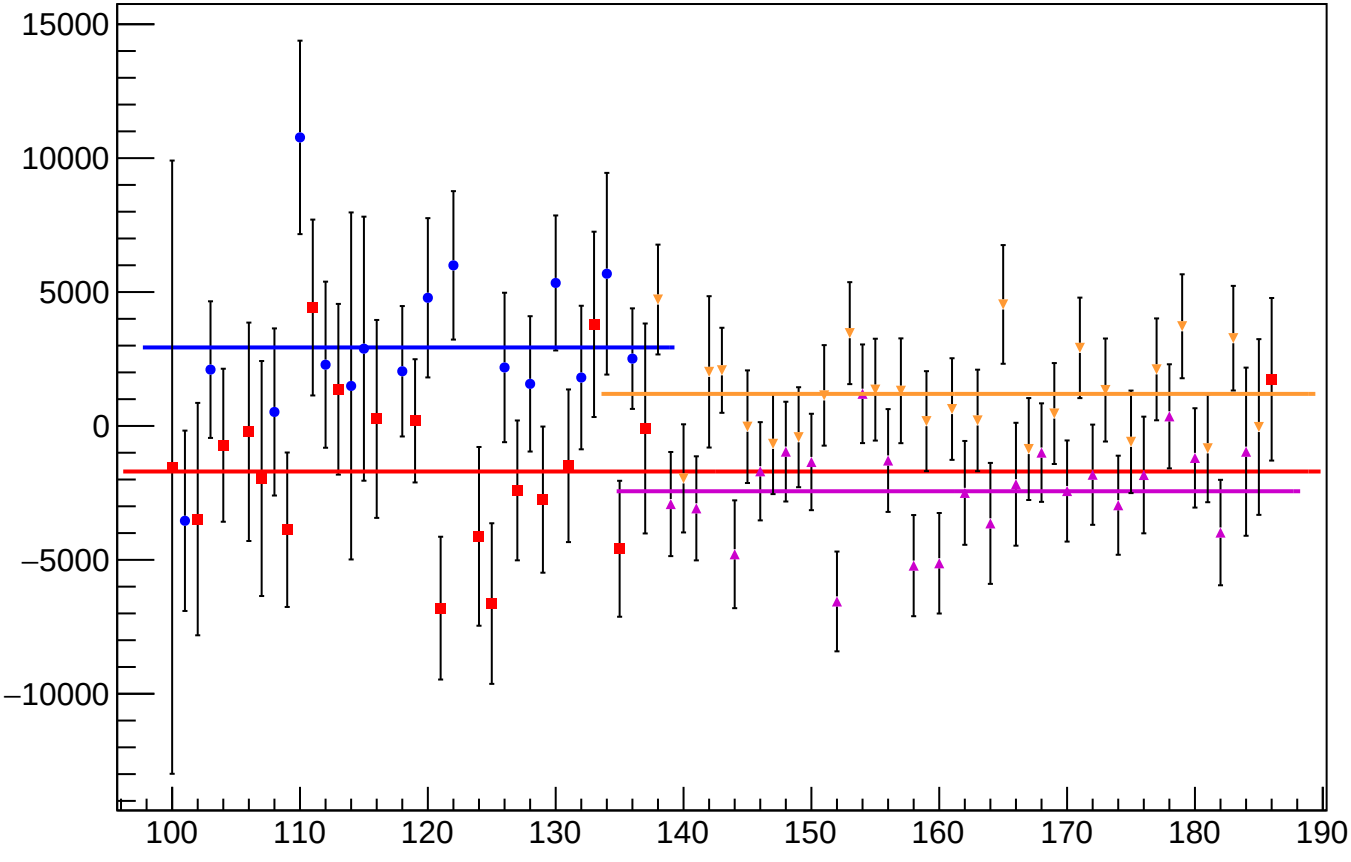
+ sign -339.407+/-722.204 χ^2/NDF: 41.5/40

All: 306.624+/-511.456 χ^2/NDF: 78.5/83

- sign 956.620+/-724.416 χ^2/NDF: 35.4/42


asym_atl1r2_avg_eigen_cor_correction_rms vs Slug
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 1866.251+/-0.681 χ²/NDF: 6850061.4/15
Left Out: 4697.618+/-0.772 χ²/NDF:1239387.1/24
Right Out: 1880.818+/-0.668 χ²/NDF: 6911145.8/19
Left In: 4732.421+/-0.798 χ²/NDF:1242809.3/22
+ sign 3104.735+/-0.511 χ²/NDF: 15654021.0/40
All: 3080.444+/-0.362 χ²/NDF: 31320824.3/8
- sign 3056.003+/-0.512 χ²/NDF: 15662264.1/42

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1700.712+/-702.361 χ^2/NDF: 18.7/19

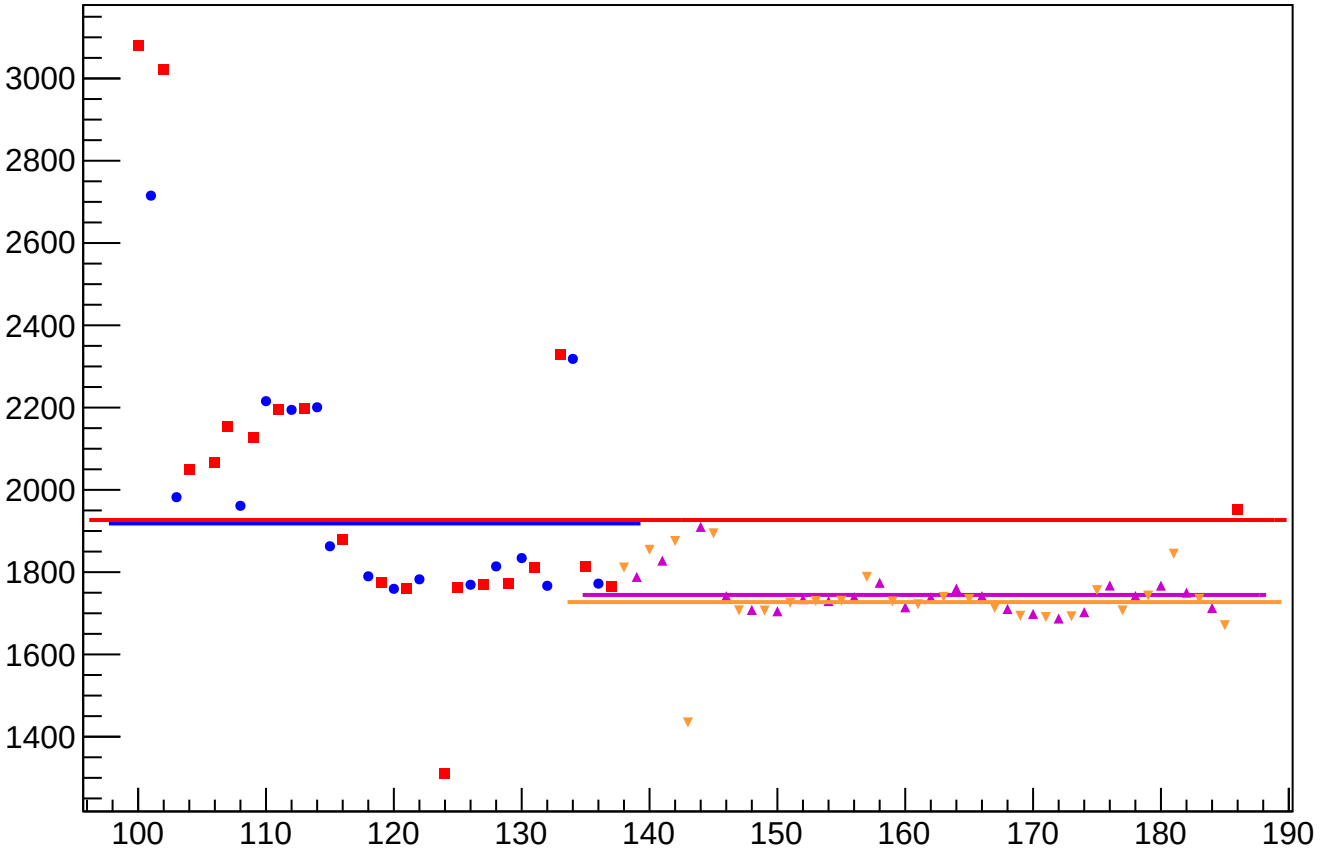
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1596.886+/-344.759 χ^2/NDF: 37.0/40

All: -284.964+/-246.474 χ^2/NDF: 138.1/83

- sign -2252.332+/-352.505 χ^2/NDF: 40.2/42

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1926.724+/-0.496 χ^2/NDF: 339249.6/19

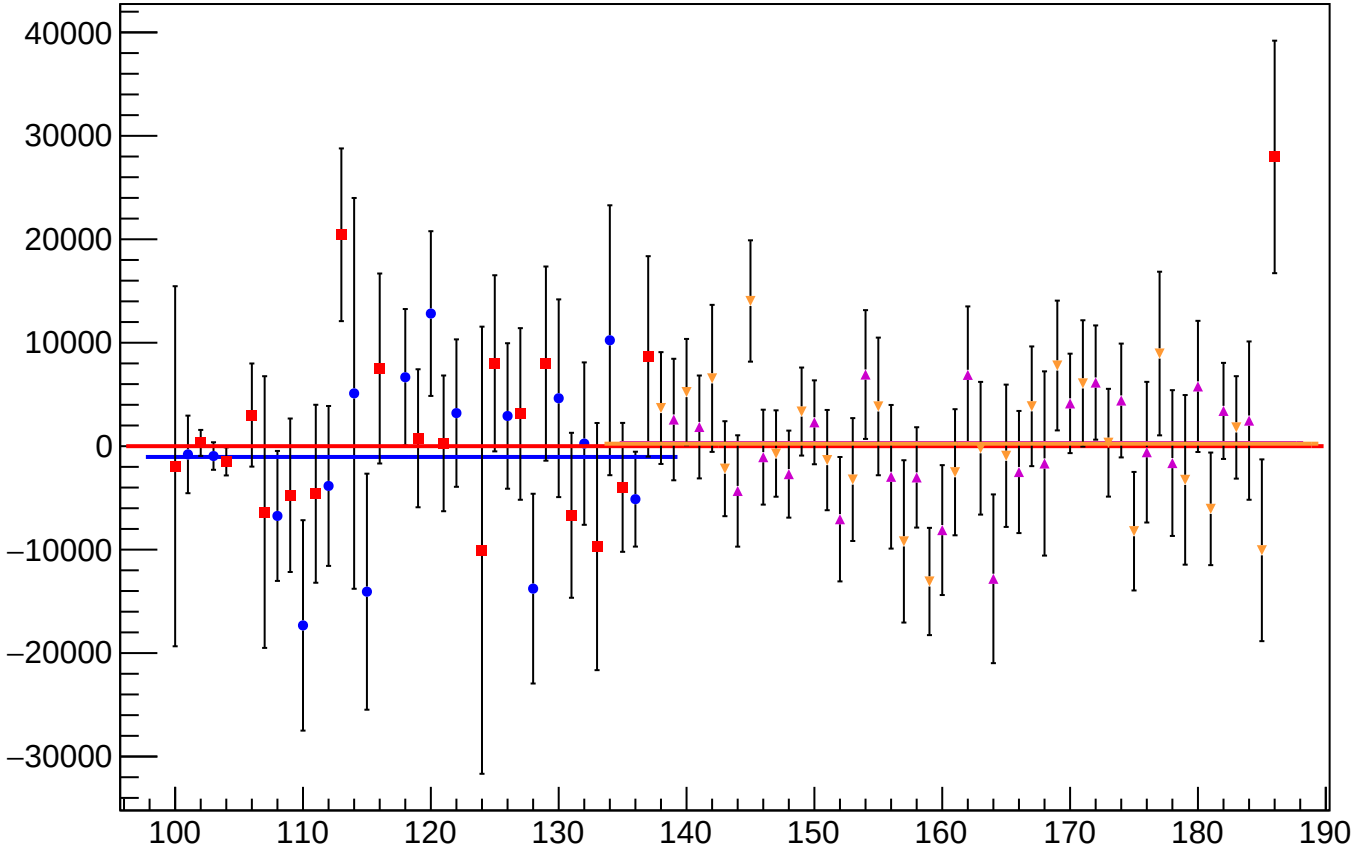
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1771.265+/-0.244 χ^2/NDF: 434848.5/40

All: 1780.696+/-0.174 χ^2/NDF: 904640.8/83

- sign 1790.553+/-0.249 χ^2/NDF: 466731.2/42

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 0.986+/-833.355 χ^2/NDF: 20.0/19

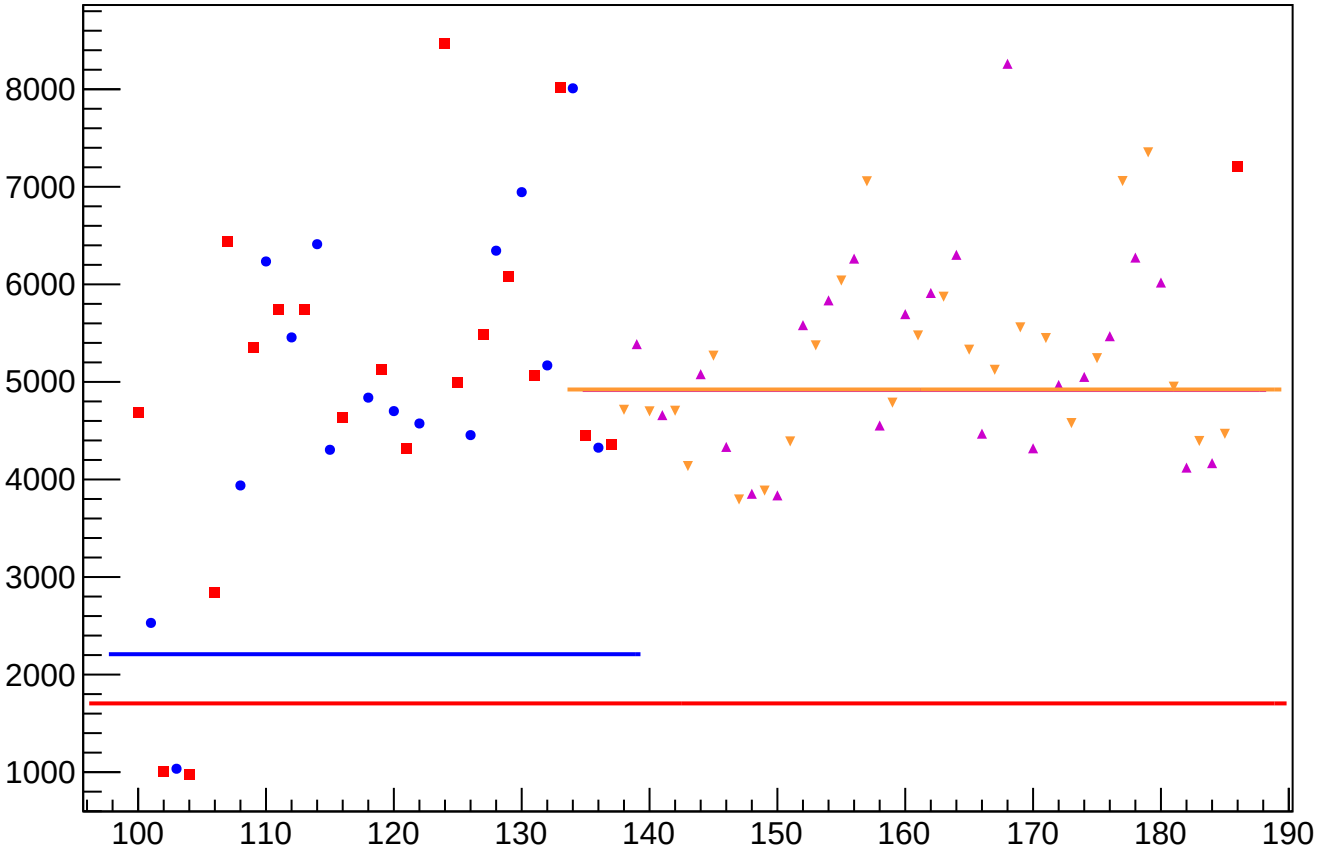
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -440.090+/-781.418 χ^2/NDF: 41.2/40

All: -130.314+/-512.526 χ^2/NDF: 76.0/83

- sign 103.563+/-678.974 χ^2/NDF: 34.5/42

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 1704.579+/-0.589 χ^2/NDF: 7335080.2/19

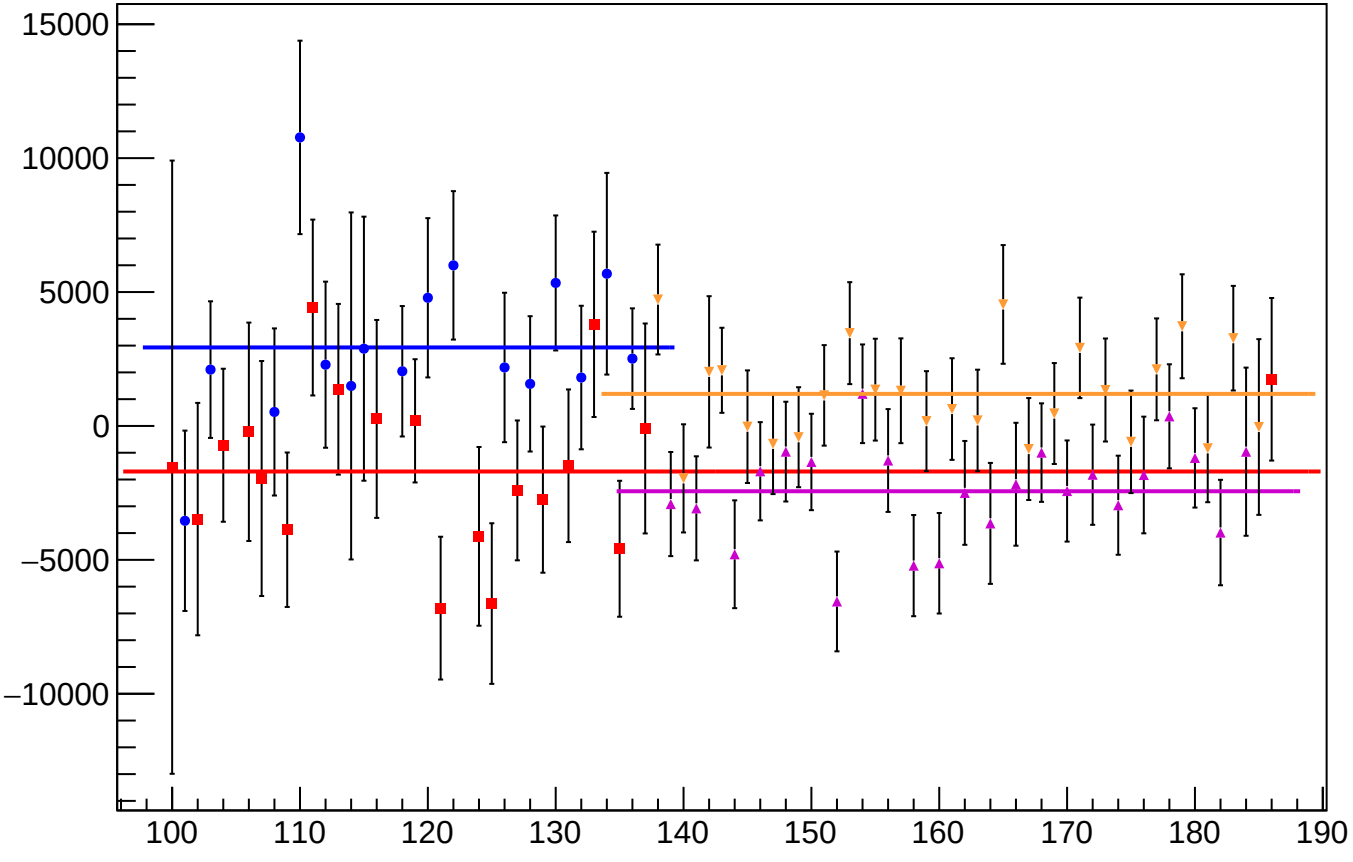
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3481.682+/-0.553 χ^2/NDF: 12555432.0/40

All: 3084.445+/-0.362 χ^2/NDF: 31950108.2/8

- sign 2784.536+/-0.480 χ^2/NDF: 18487614.0/42

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1700.723+/-702.361 χ^2/NDF: 18.7/19

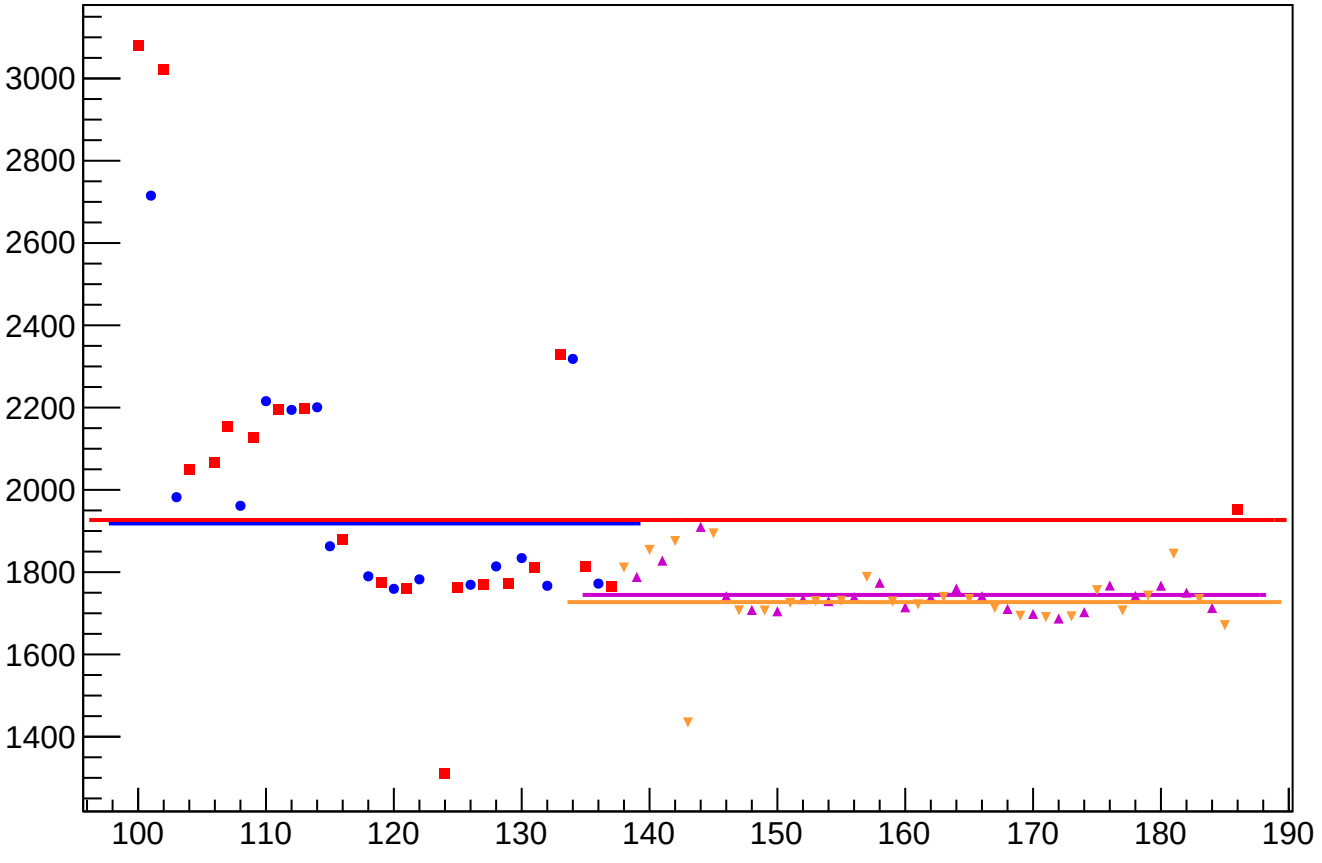
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1596.882+/-344.759 χ^2/NDF: 37.0/40

All: -284.967+/-246.474 χ^2/NDF: 138.1/83

- sign -2252.334+/-352.505 χ^2/NDF: 40.2/42

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

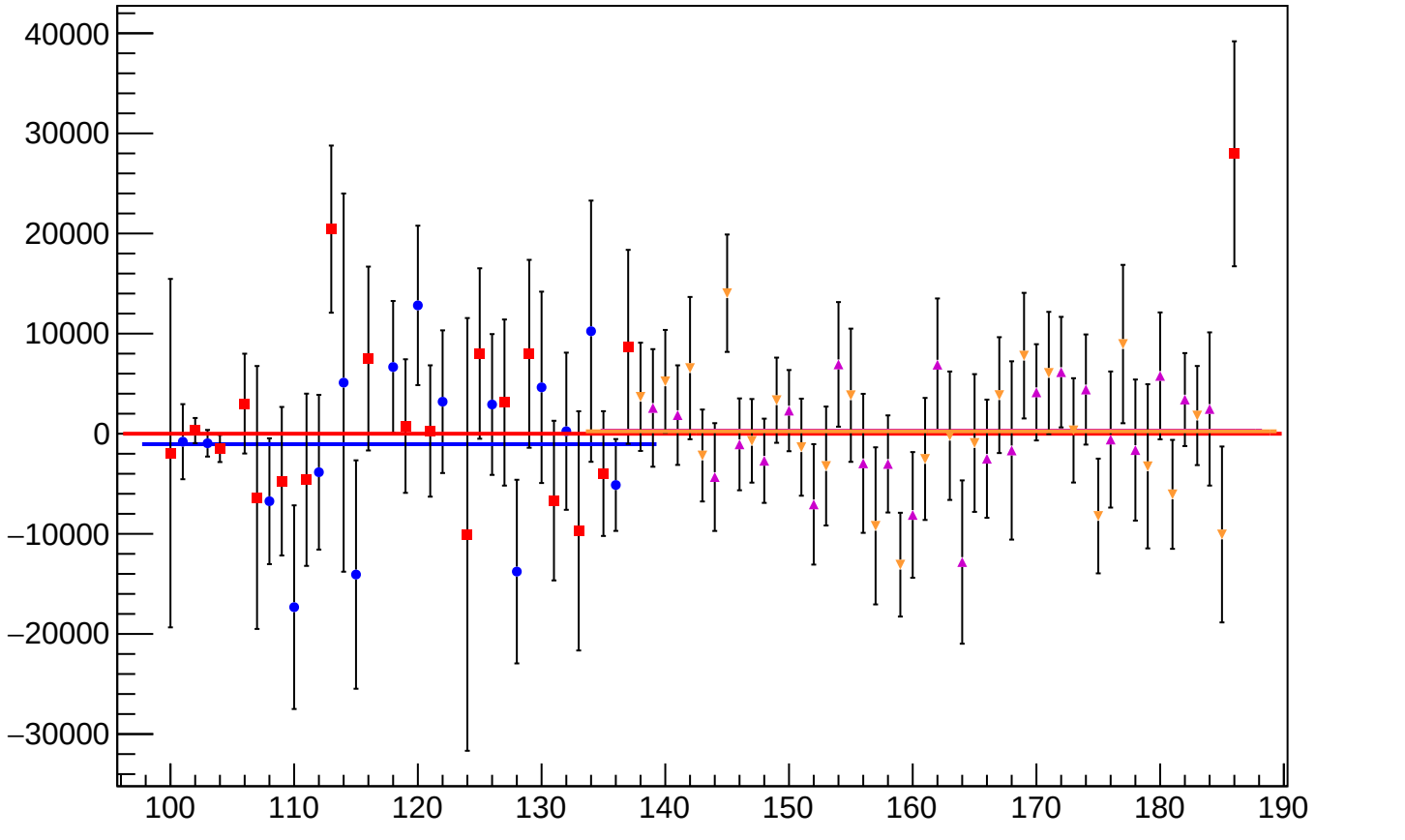
Right Out: 1926.724+/-0.496 χ^2/NDF: 339248.6/19

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1771.265+/-0.244 χ^2/NDF: 434846.0/40

All: 1780.697+/-0.174 χ^2/NDF: 904635.9/83

- sign 1790.553+/-0.249 χ^2/NDF: 466728.8/42



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

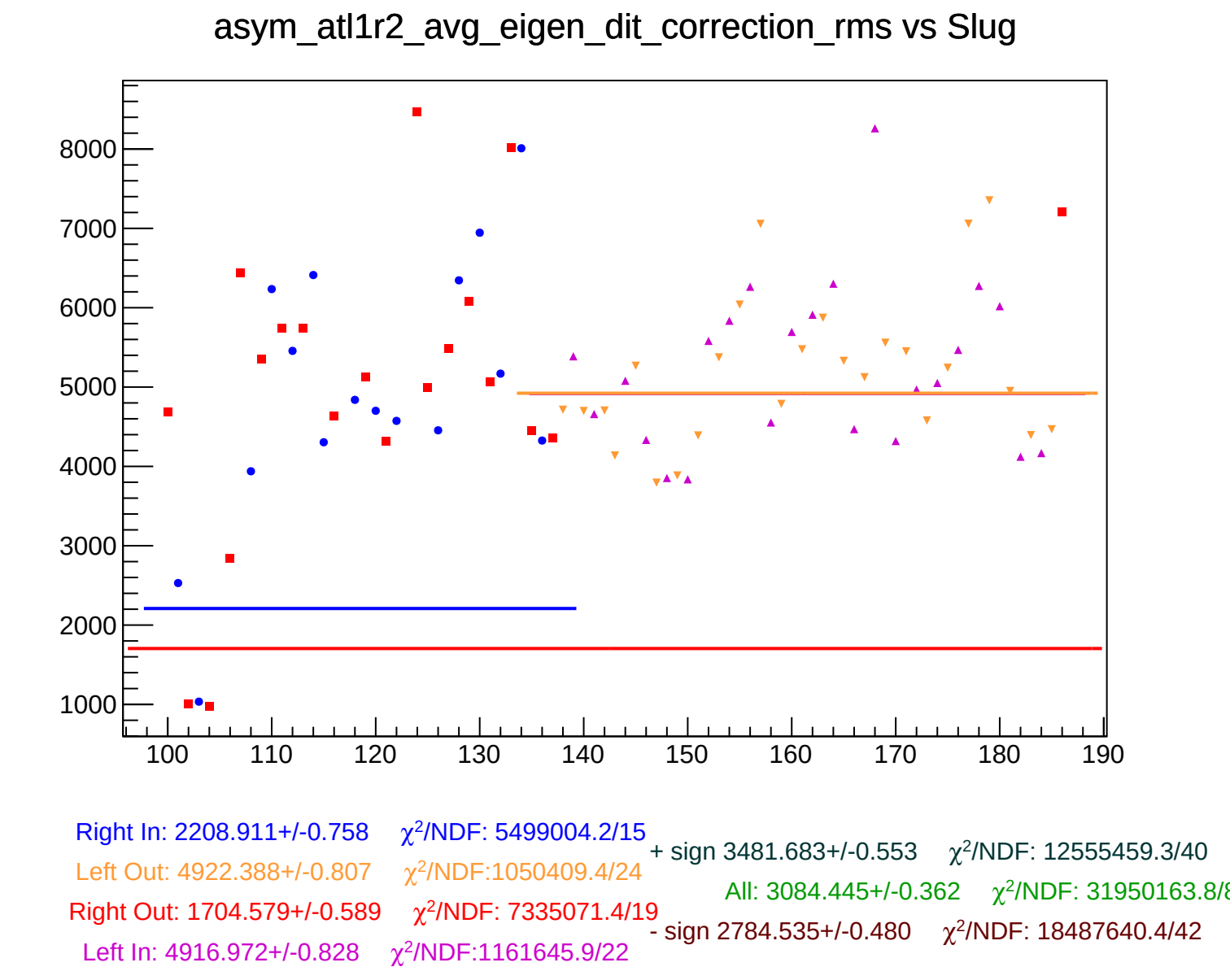
Right Out: 0.991+/-833.354 χ^2/NDF: 20.0/19

Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

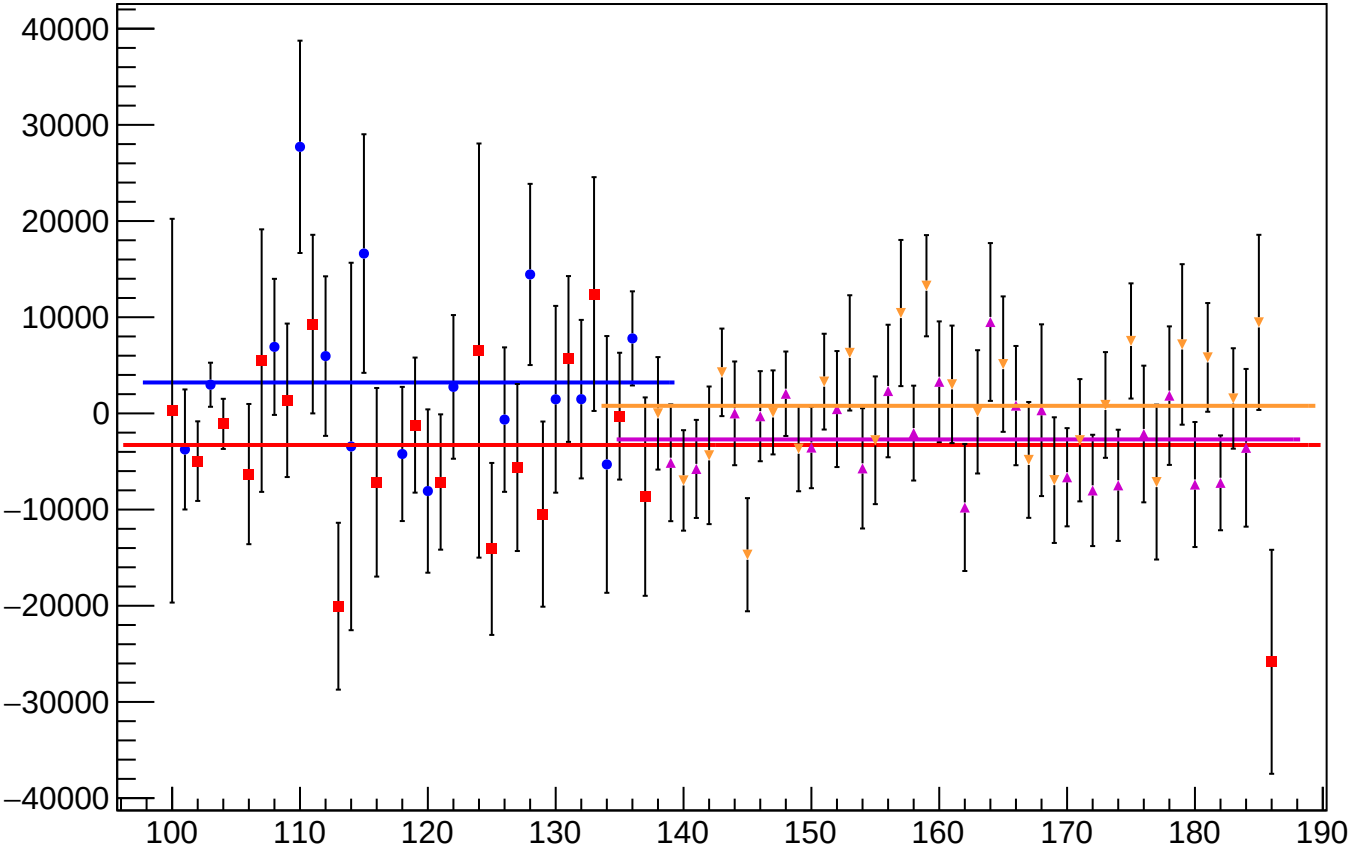
\+ sign -440.091+/-781.418 χ^2/NDF: 41.2/40

All: -130.312+/-512.527 χ^2/NDF: 76.0/83

\- sign 103.567+/-678.974 χ^2/NDF: 34.5/42


asym_atl1r2_avg_eigen_dit_correction_rms vs Slug
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 2208.911+/-0.758 χ²/NDF: 5499004.2/15
Left Out: 4922.388+/-0.807 χ²/NDF:1050409.4/24
Right Out: 1704.579+/-0.589 χ²/NDF: 7335071.4/19
Left In: 4916.972+/-0.828 χ²/NDF:1161645.9/22
+ sign 3481.683+/-0.553 χ²/NDF: 12555459.3/40
All: 3084.445+/-0.362 χ²/NDF: 31950163.8/8
- sign 2784.535+/-0.480 χ²/NDF: 18487640.4/42

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3283.942+/-1538.513 χ^2/NDF: 17.2/19

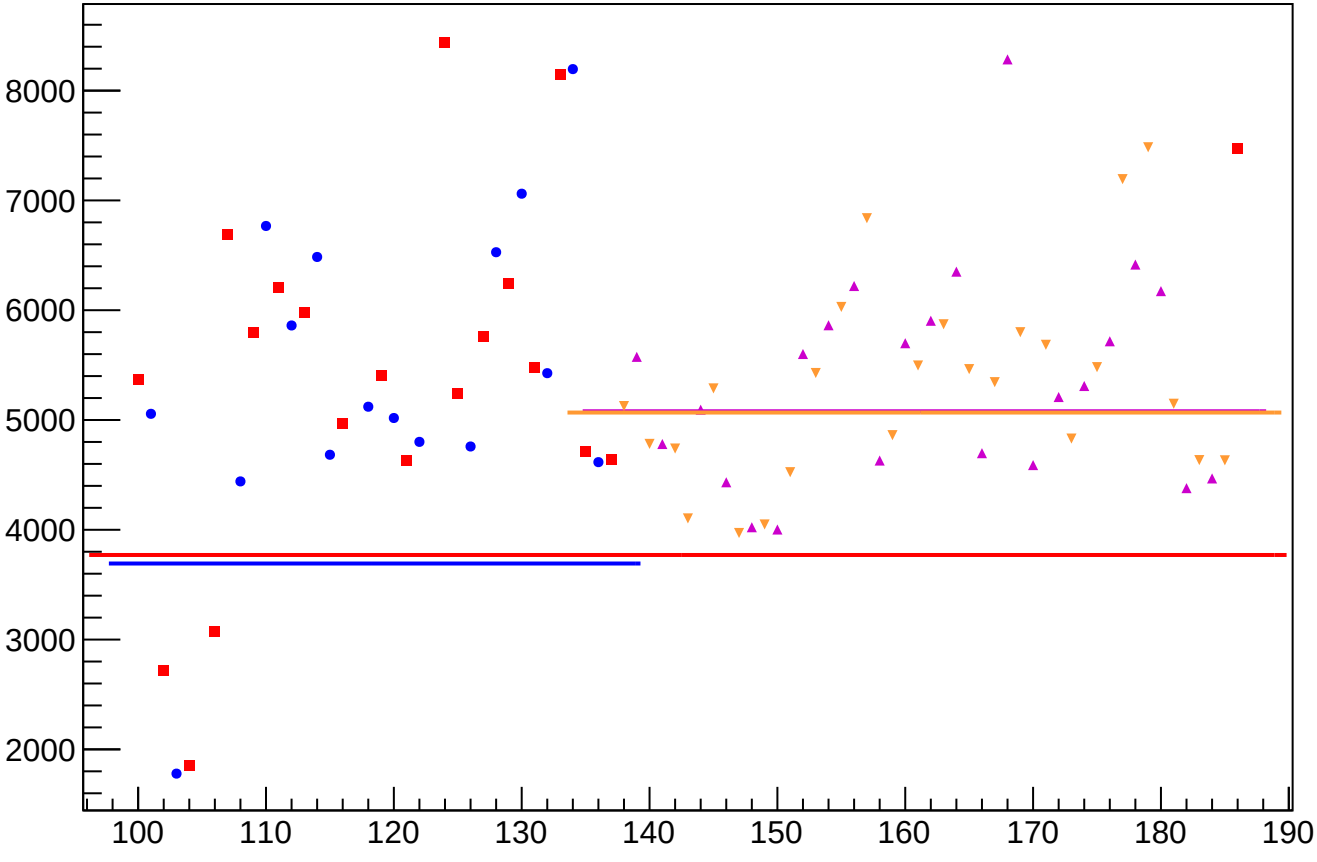
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1678.866+/-932.453 χ^2/NDF: 43.0/40

All: -582.251+/-665.215 χ^2/NDF: 84.1/83

- sign -2925.737+/-949.285 χ^2/NDF: 29.2/42

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 3770.553+/-1.077 χ^2/NDF: 2890226.3/19

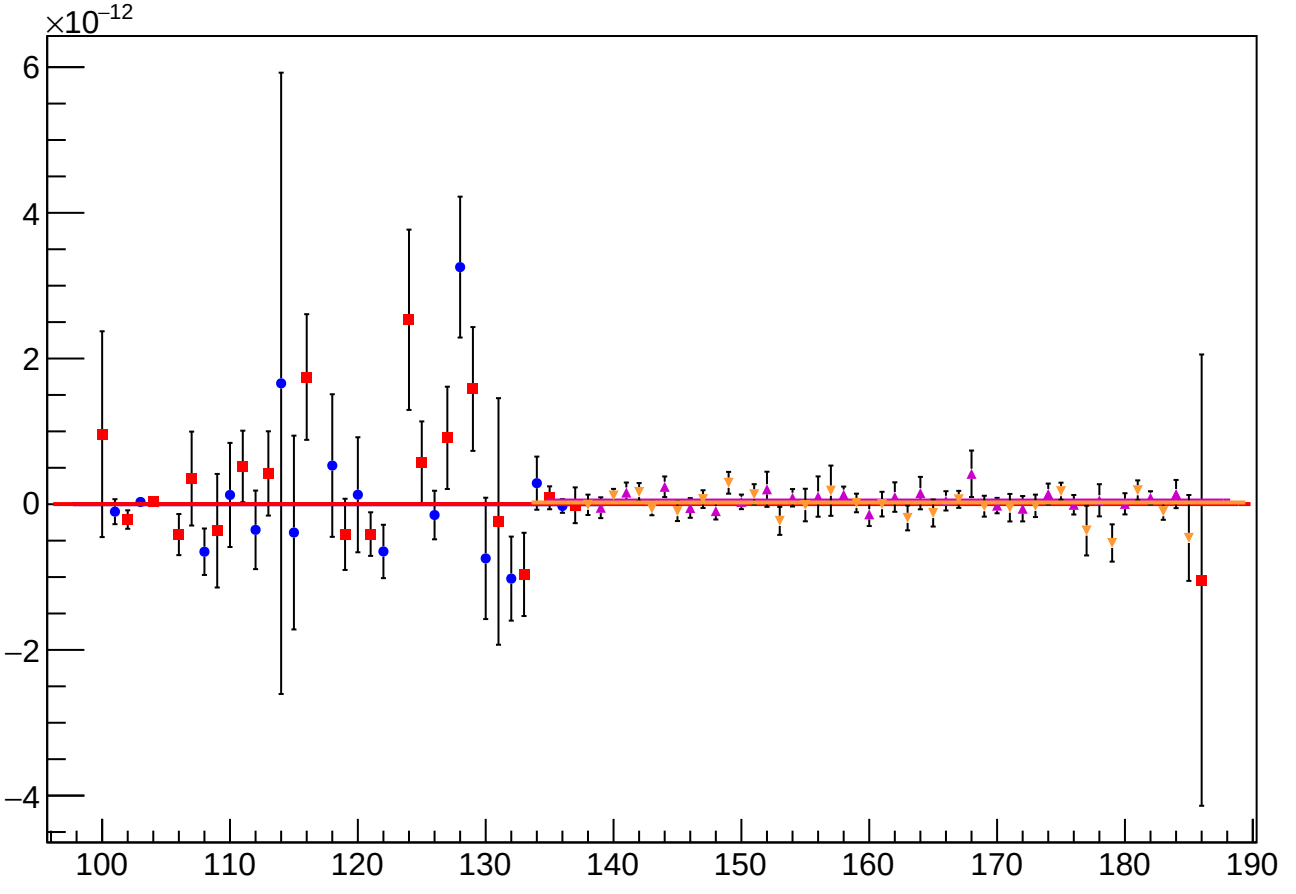
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4563.286+/-0.659 χ^2/NDF: 4850298.8/40

All: 4569.162+/-0.470 χ^2/NDF: 9649734.6/83

- 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: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

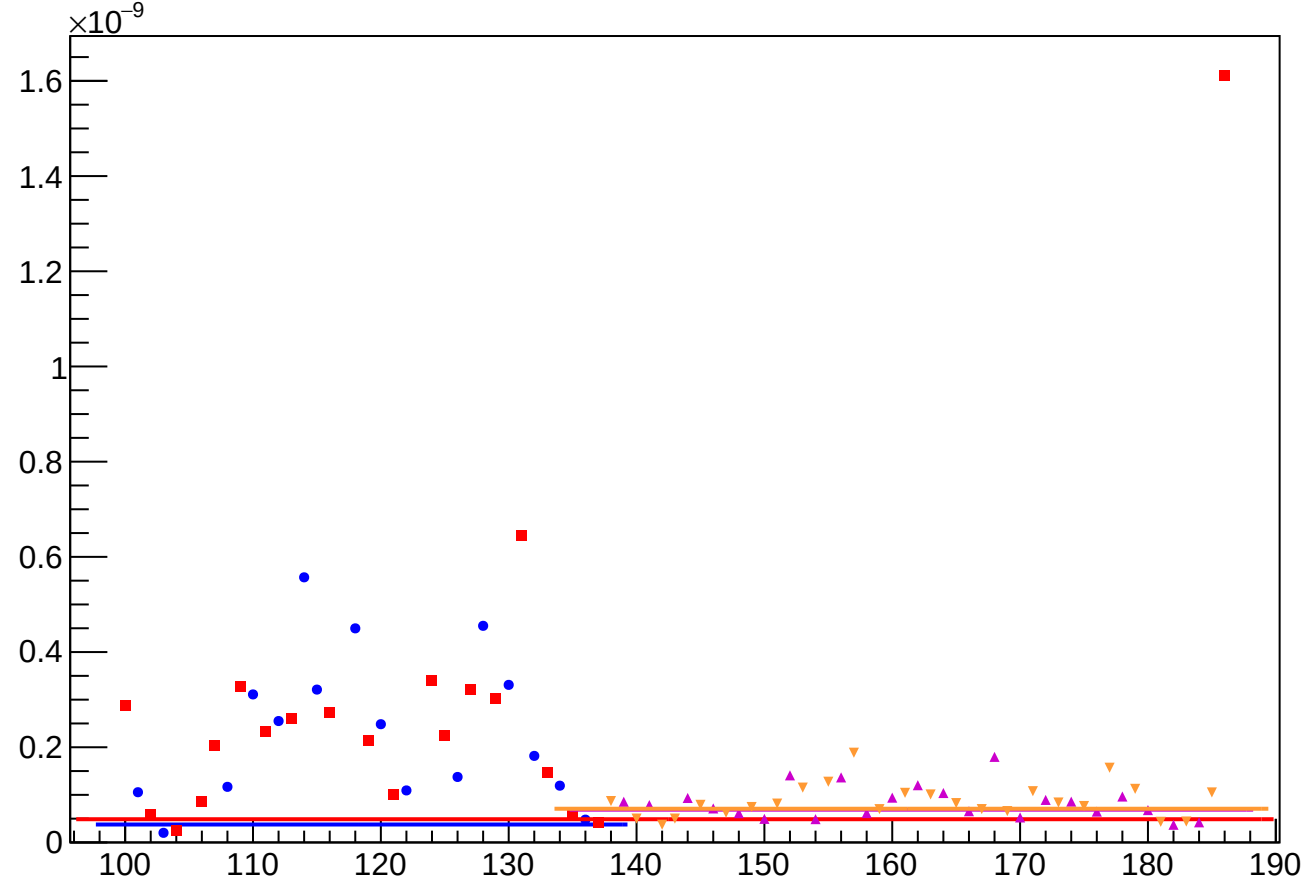
Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/19

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.3/40

All: 0.000+/-0.000 χ^2/NDF: 89.9/83

- sign 0.000+/-0.000 χ^2/NDF: 40.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

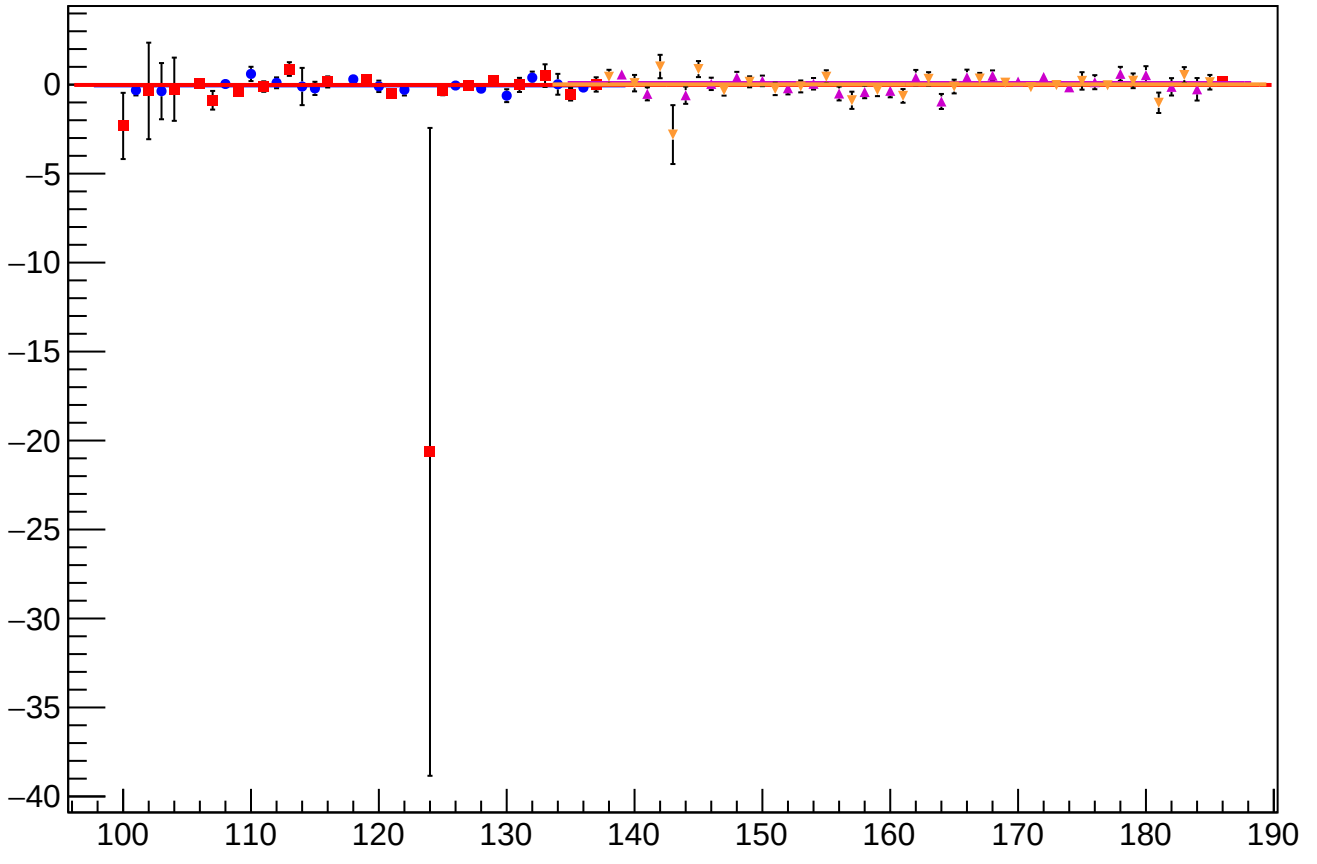
Right Out: 0.000+/-0.000 χ^2/NDF: 3405020.1/19

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5649100.5/40

All: 0.000+/-0.000 χ^2/NDF: 10807988.3/83

- sign 0.000+/-0.000 χ^2/NDF: 5116944.2/42



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.017+/-0.074 χ^2/NDF: 24.3/19

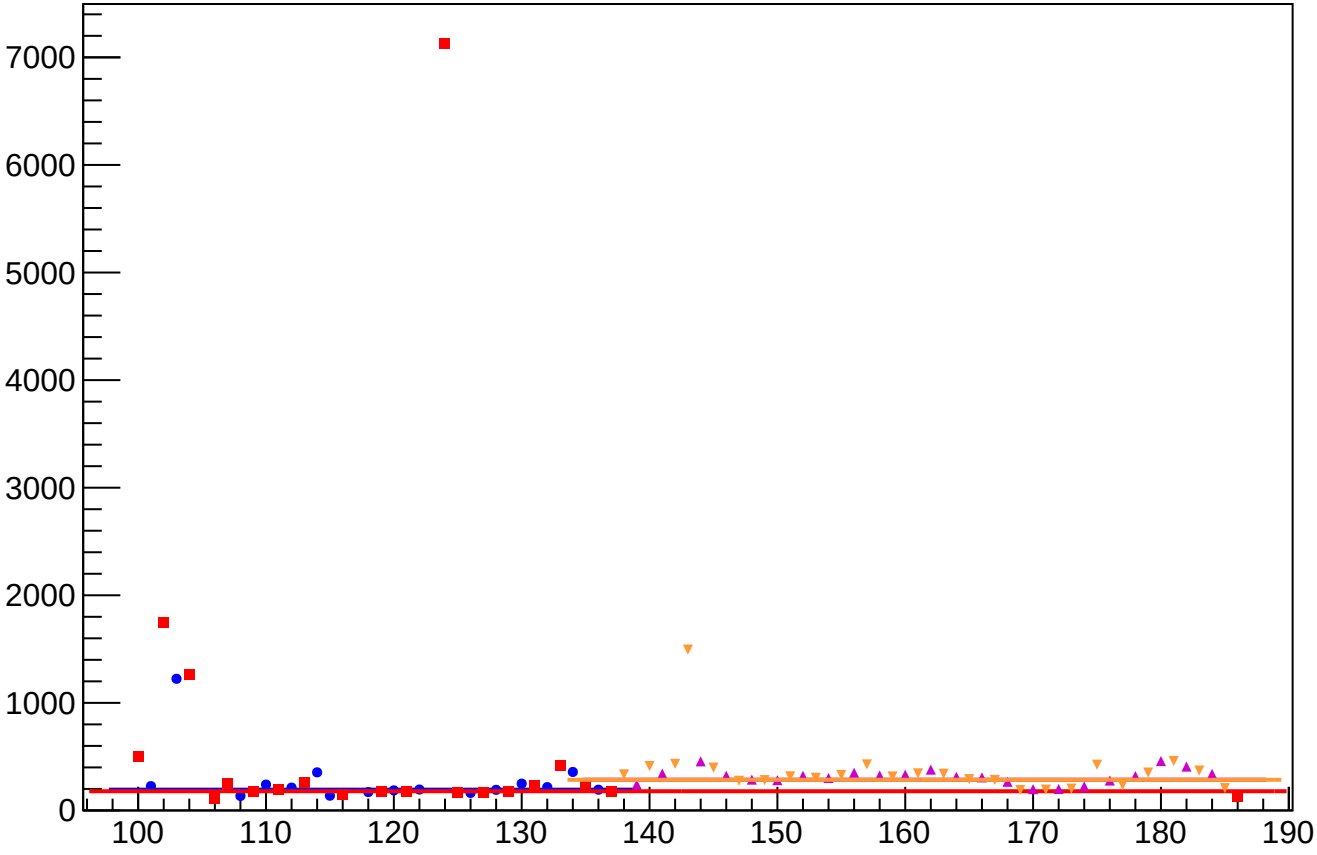
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.010+/-0.052 χ^2/NDF: 40.3/40

All: 0.015+/-0.036 χ^2/NDF: 97.1/83

- sign 0.039+/-0.051 χ^2/NDF: 56.3/42

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 178.592+/-0.052 χ^2/NDF: 2631845.3/19

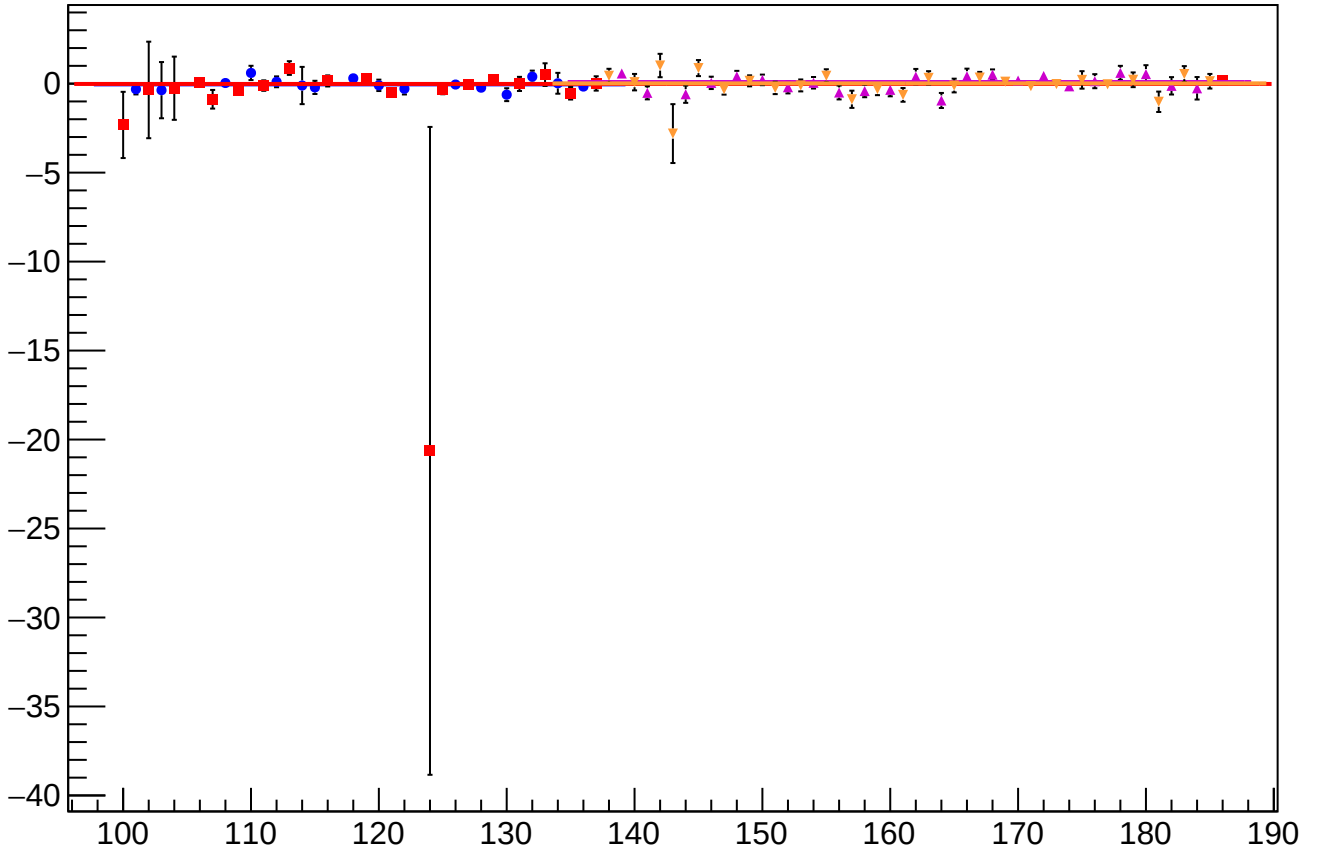
Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 244.063+/-0.037 χ^2/NDF: 6358344.6/40

All: 239.226+/-0.026 χ^2/NDF: 12987755.1/83

- sign 234.587+/-0.036 χ^2/NDF: 6595444.2/42

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.017+/-0.074 χ^2/NDF: 24.3/19

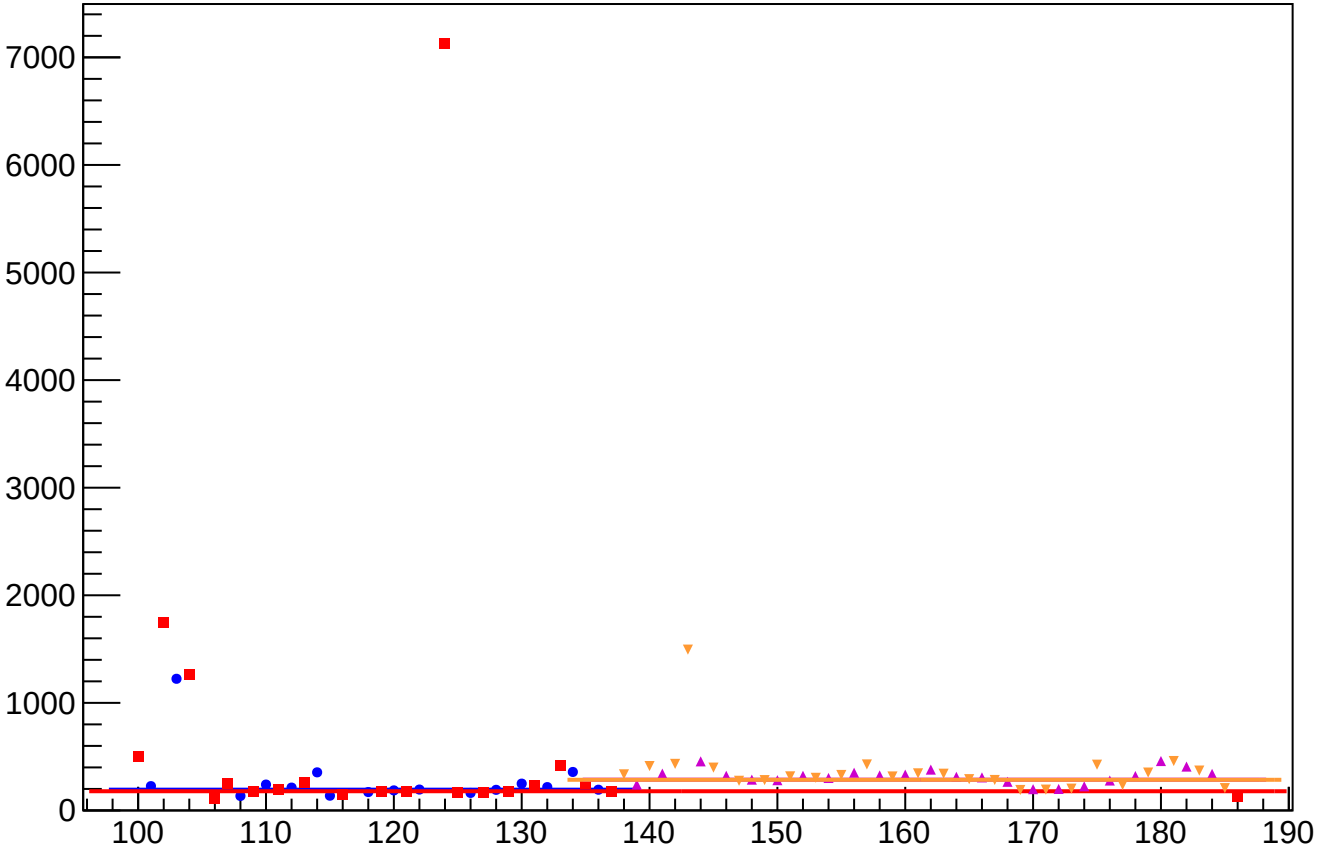
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.010+/-0.052 χ^2/NDF: 40.3/40

All: 0.015+/-0.036 χ^2/NDF: 97.1/83

- sign 0.039+/-0.051 χ^2/NDF: 56.3/42

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

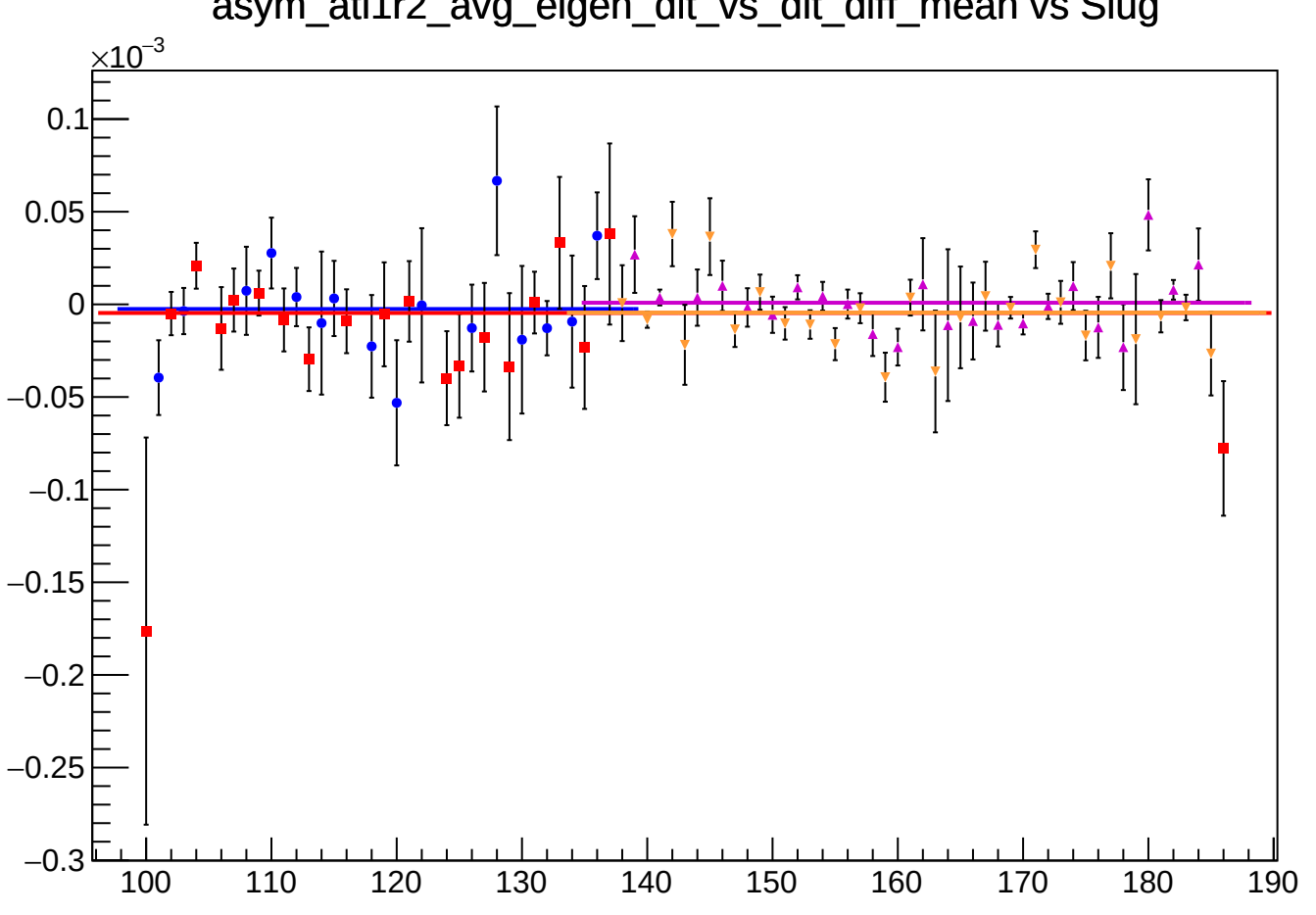
Right Out: 178.592+/-0.052 χ^2/NDF: 2631845.3/19

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 244.063+/-0.037 χ^2/NDF: 6358344.6/40

All: 239.226+/-0.026 χ^2/NDF: 12987755.1/83

- sign 234.587+/-0.036 χ^2/NDF: 6595444.2/42



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

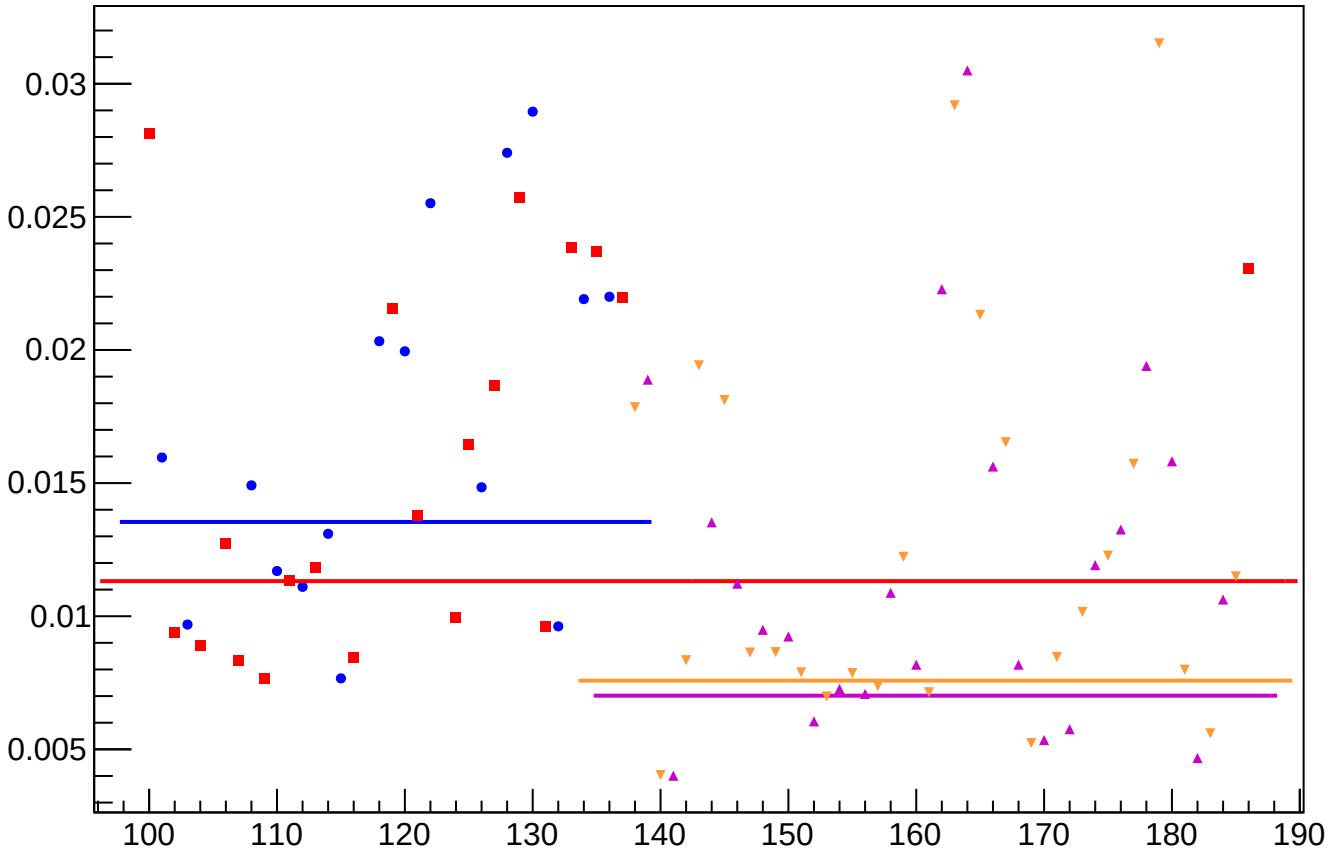
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/19

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.9/40

All: -0.000+/-0.000 χ^2/NDF: 113.3/83

- sign 0.000+/-0.000 χ^2/NDF: 50.7/42



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

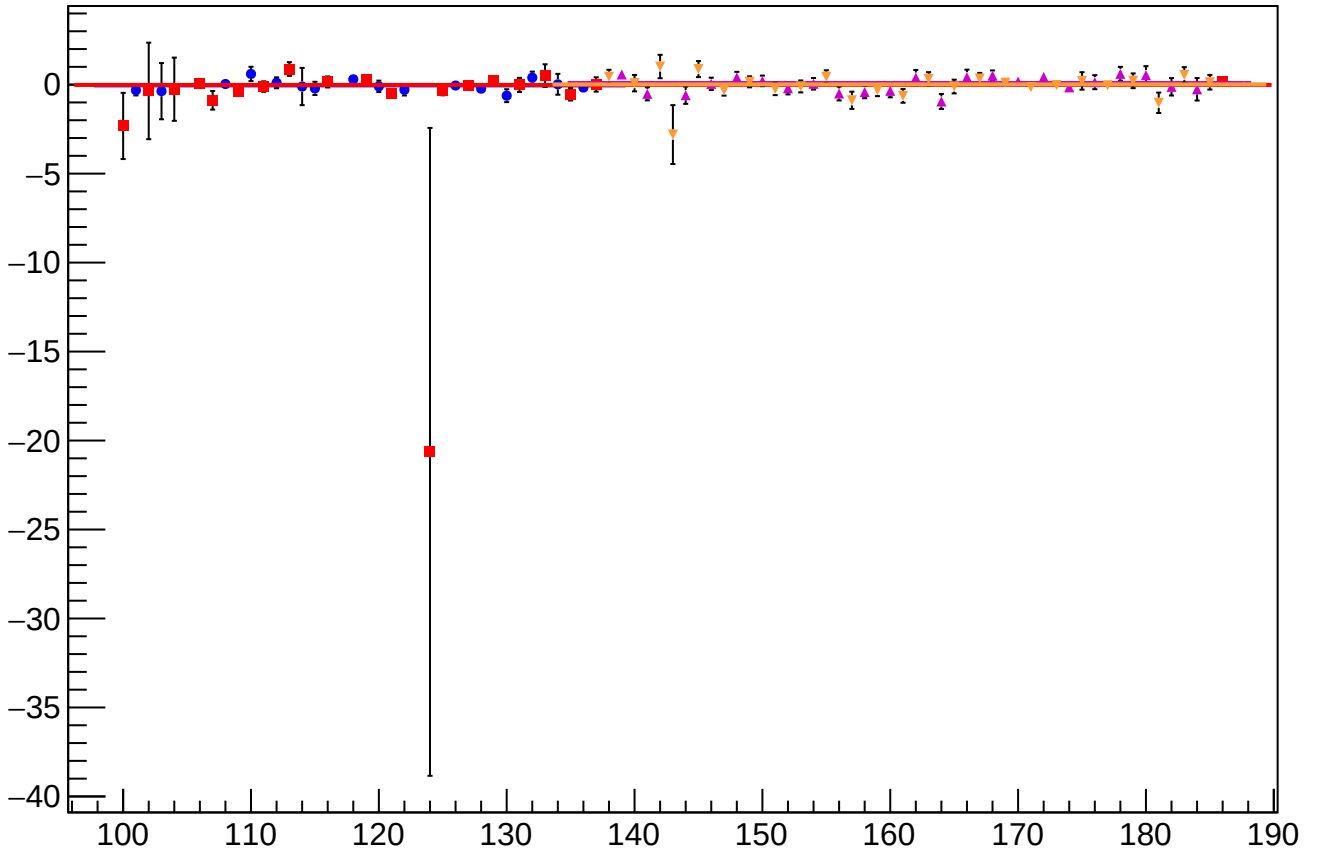
Right Out: 0.011+/-0.000 χ^2/NDF: 2100349.0/19

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 11341765.1/40

All: 0.008+/-0.000 χ^2/NDF: 21877684.7/83

- sign 0.008+/-0.000 χ^2/NDF: 10432003.8/42



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.017+/-0.074 χ^2/NDF: 24.3/19

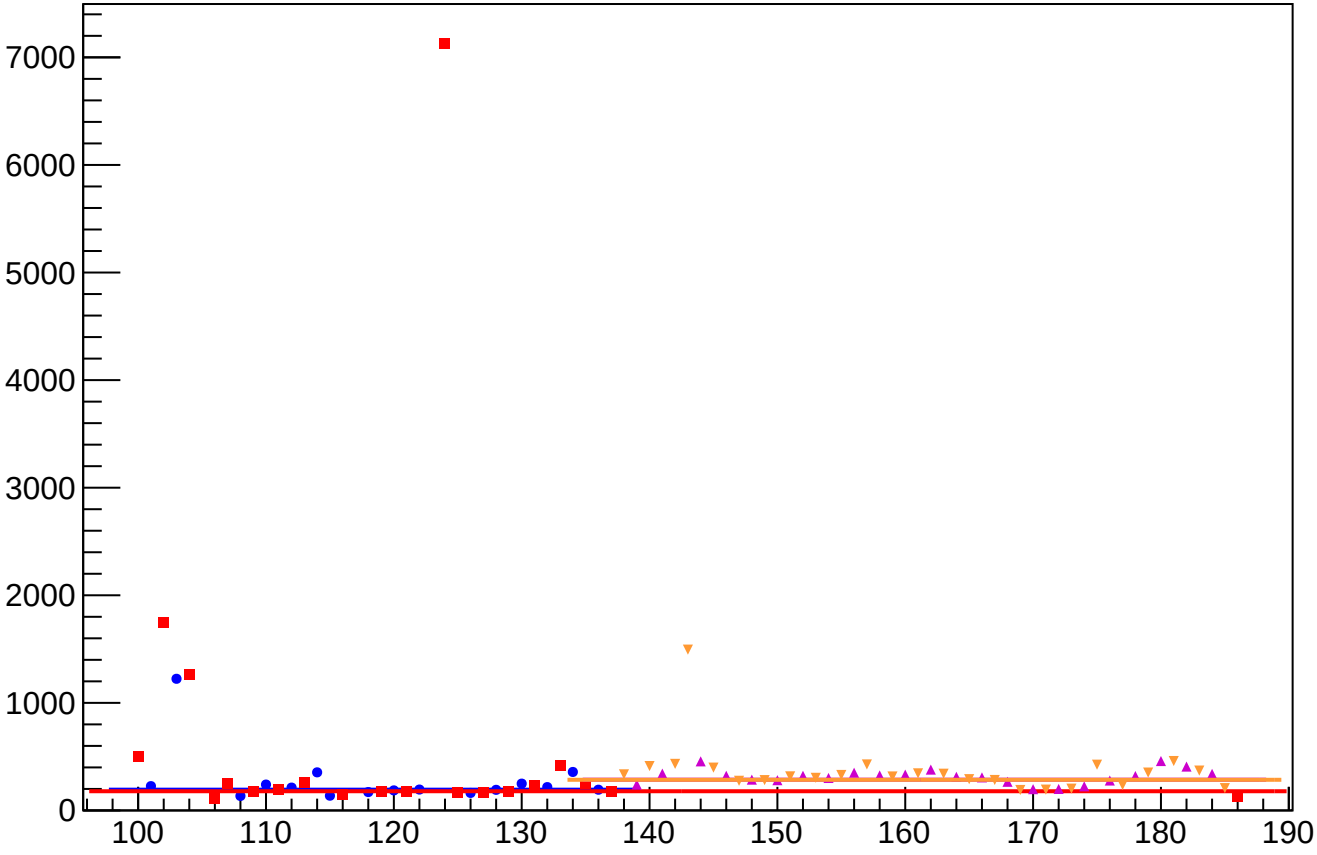
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.010+/-0.052 χ^2/NDF: 40.3/40

All: 0.015+/-0.036 χ^2/NDF: 97.1/83

- sign 0.039+/-0.051 χ^2/NDF: 56.3/42

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

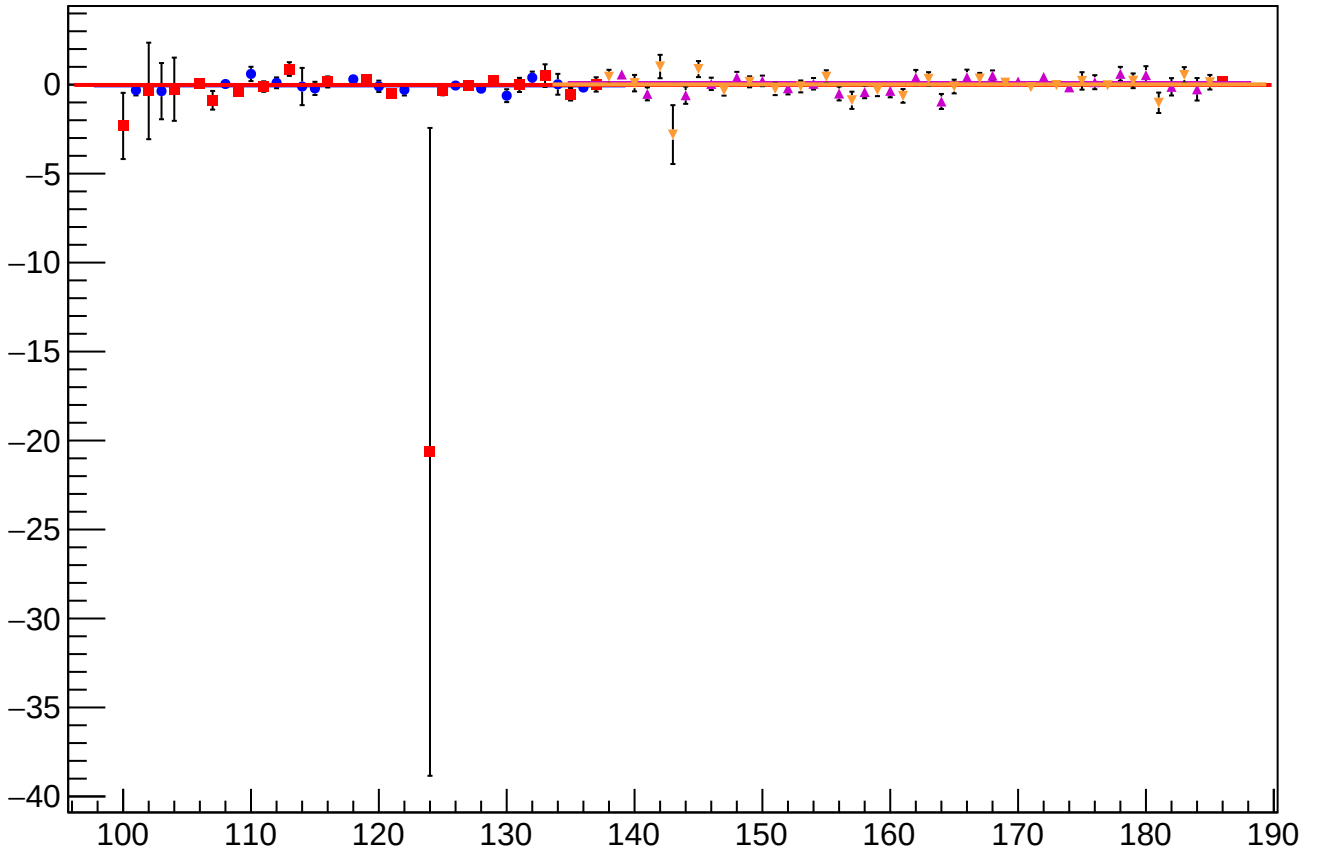
Right Out: 178.592+/-0.052 χ^2/NDF: 2631836.0/19

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 244.063+/-0.037 χ^2/NDF: 6358514.4/40

All: 239.226+/-0.026 χ^2/NDF: 12988088.9/83

- sign 234.587+/-0.036 χ^2/NDF: 6595608.6/42



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

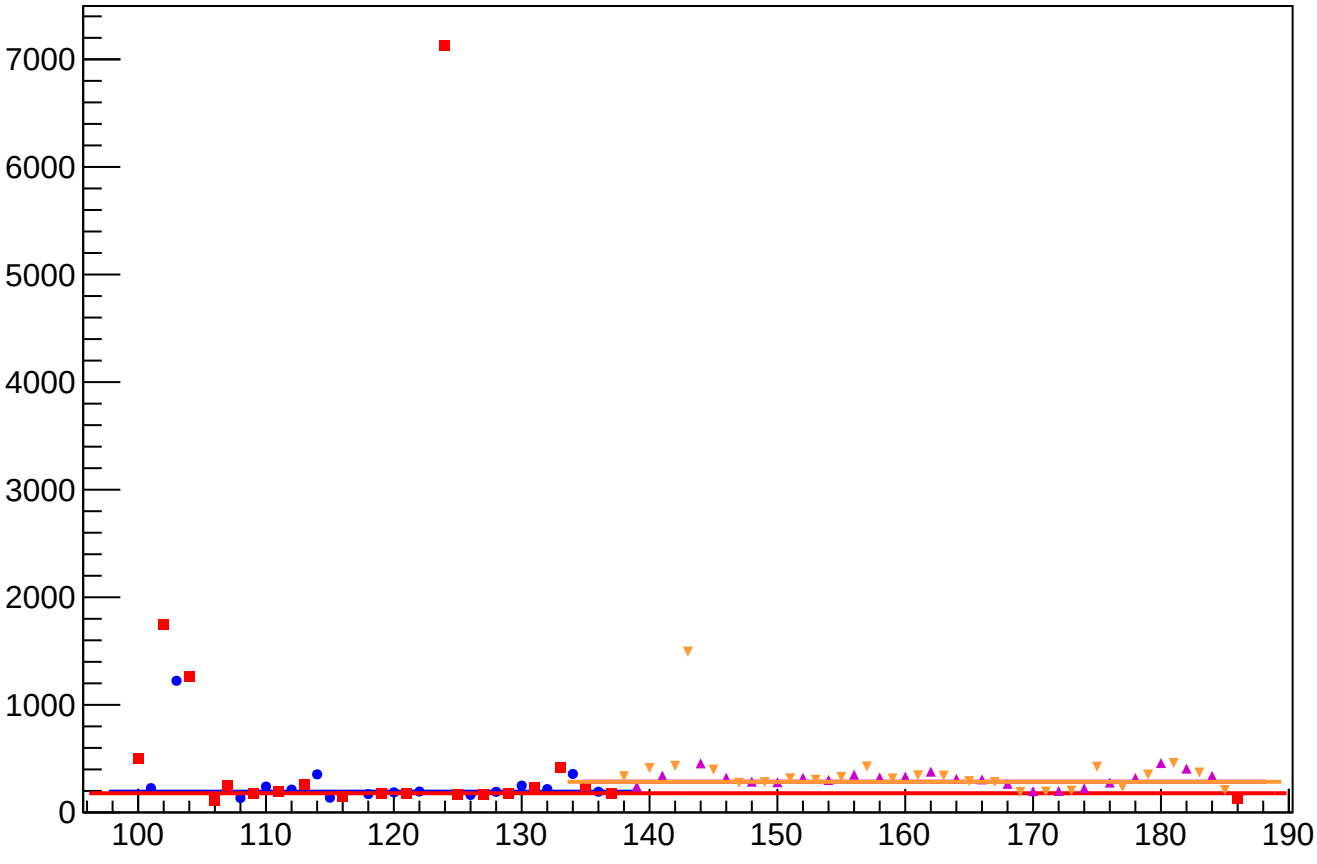
Right Out: -0.017+/-0.074 χ^2/NDF: 24.3/19

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.010+/-0.052 χ^2/NDF: 40.3/40

All: 0.015+/-0.036 χ^2/NDF: 97.1/83

- sign 0.039+/-0.051 χ^2/NDF: 56.3/42



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

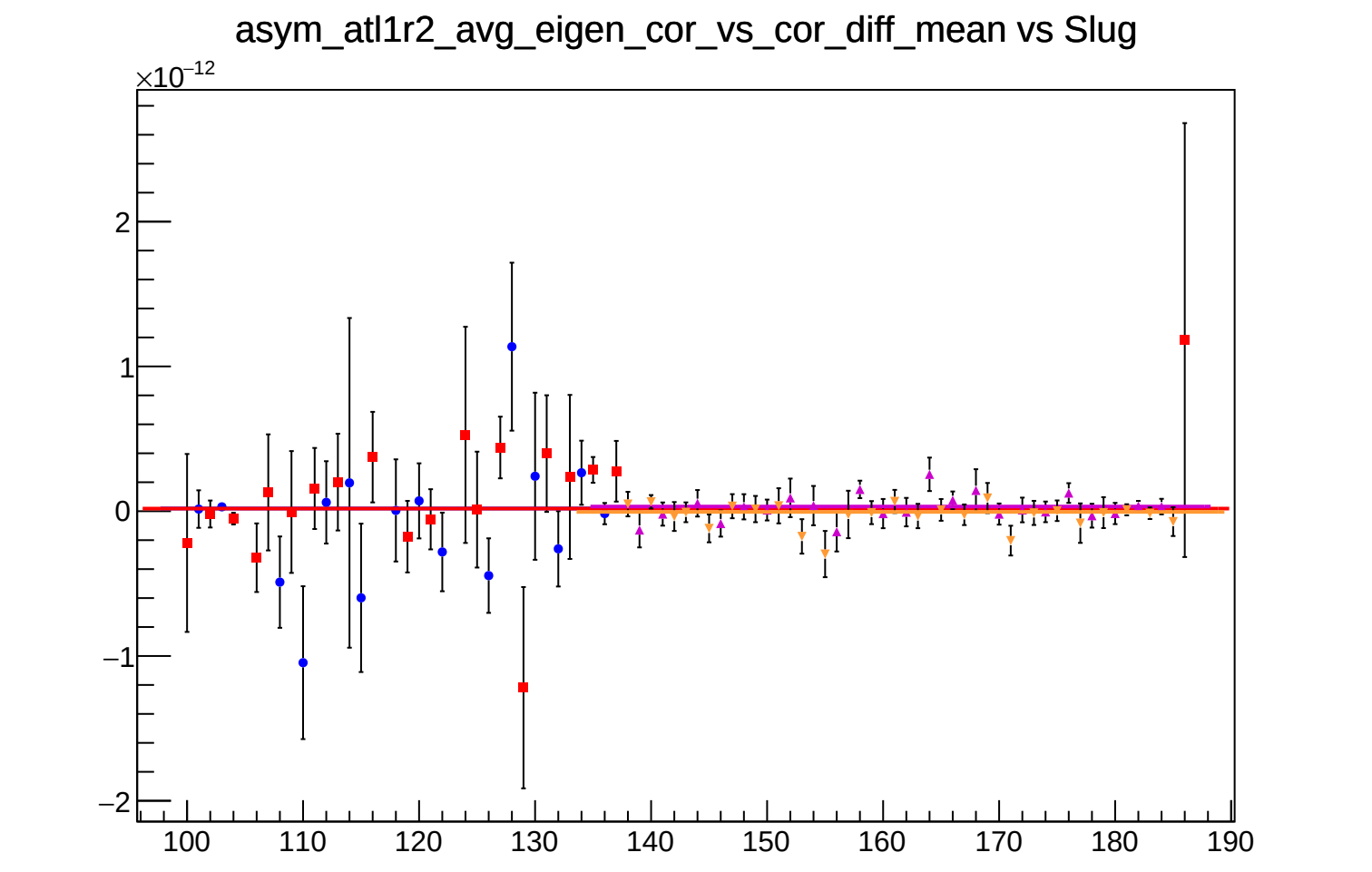
Right Out: 178.592+/-0.052 χ^2/NDF: 2631836.0/19

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 244.063+/-0.037 χ^2/NDF: 6358514.4/40

All: 239.226+/-0.026 χ^2/NDF: 12988088.9/83

- sign 234.587+/-0.036 χ^2/NDF: 6595608.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

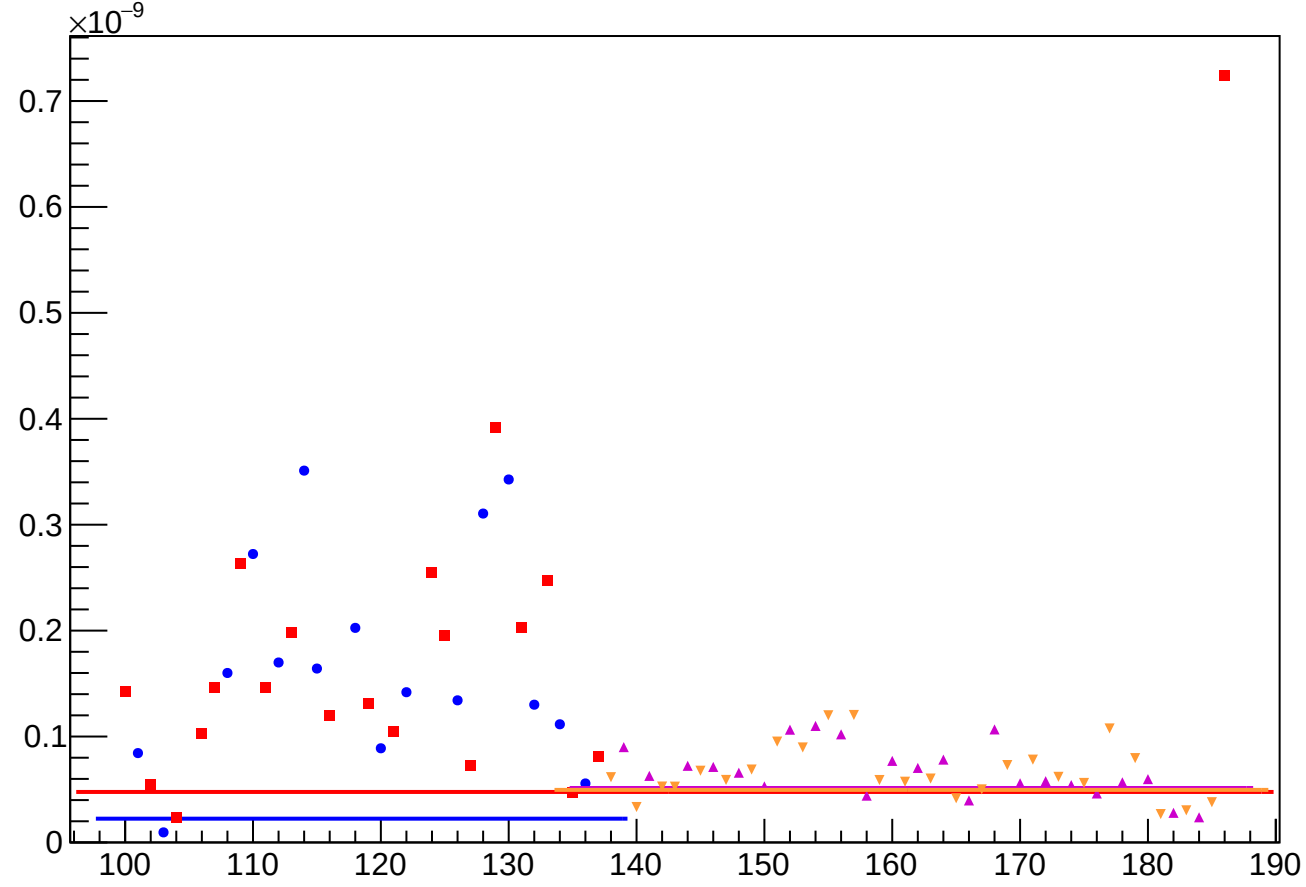
Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/19

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.8/40

All: 0.000+/-0.000 χ^2/NDF: 85.4/83

- sign 0.000+/-0.000 χ^2/NDF: 46.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4644242.7/19

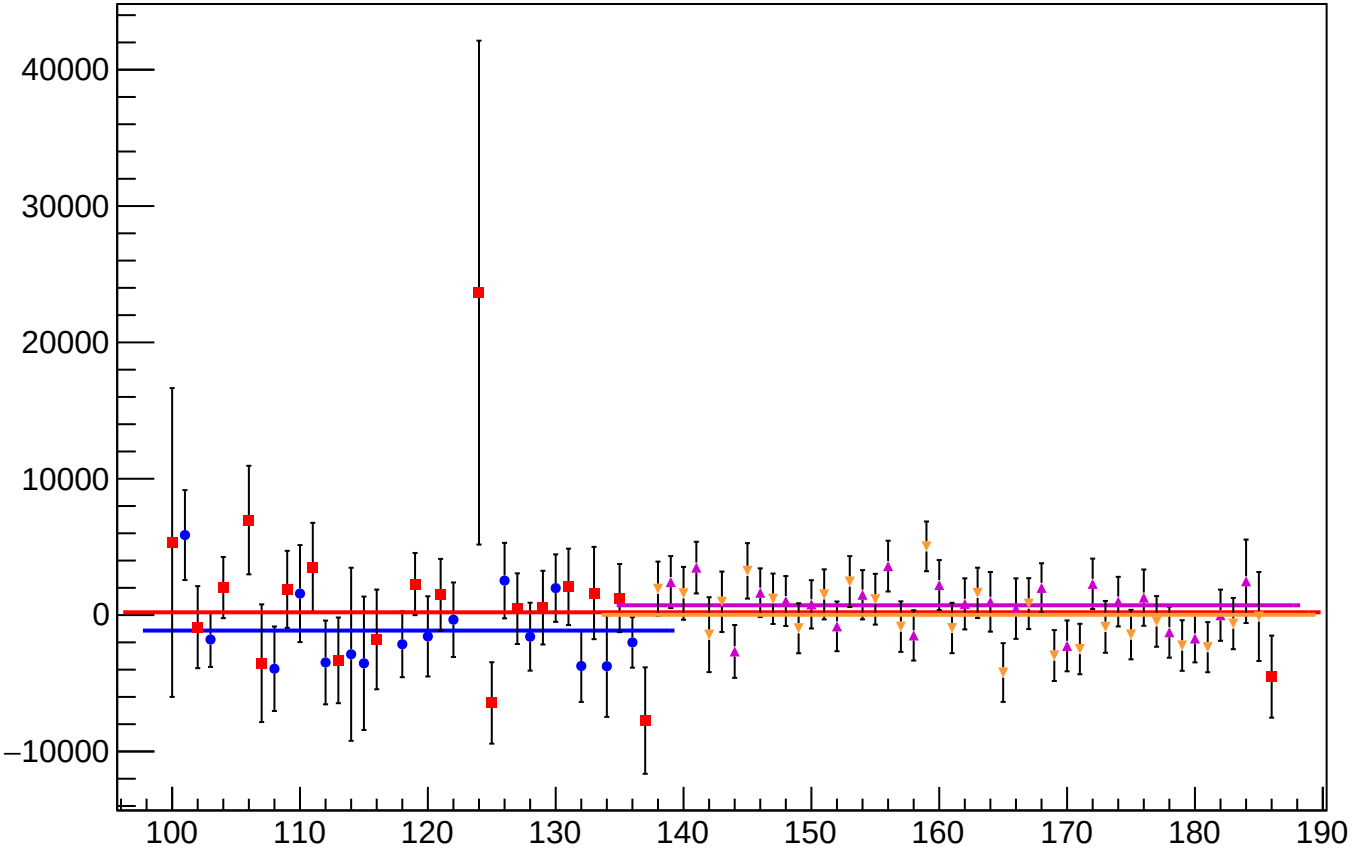
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12561154.1/40

All: 0.000+/-0.000 χ^2/NDF: 21525618.9/83

- sign 0.000+/-0.000 χ^2/NDF: 8326742.9/42

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 205.706+/-687.258 χ^2/NDF: 22.6/19

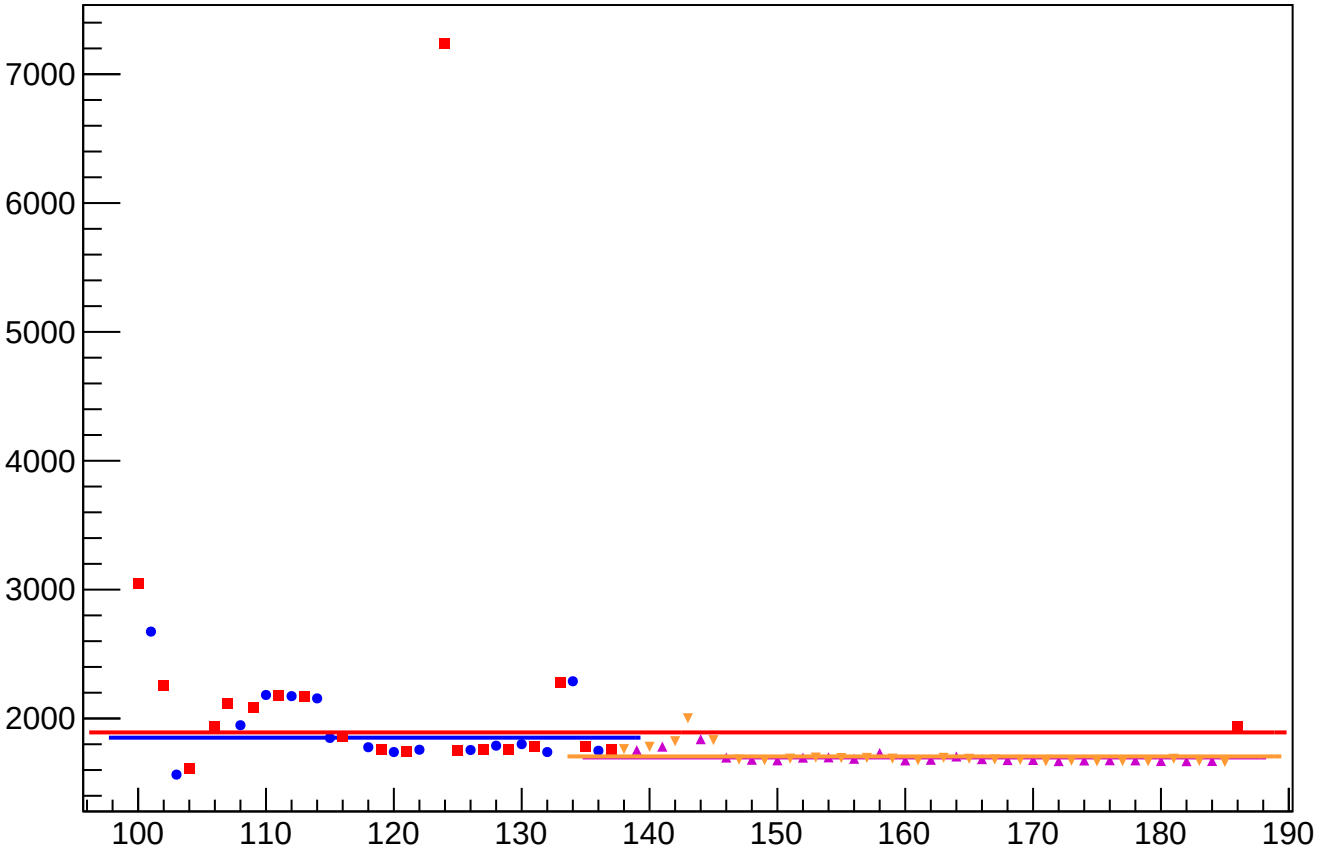
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -252.427+/-338.462 χ^2/NDF: 43.8/40

All: 163.276+/-241.059 χ^2/NDF: 89.0/83

- sign 591.219+/-343.408 χ^2/NDF: 42.1/42

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1891.904+/-0.485 χ^2/NDF: 359340.6/19

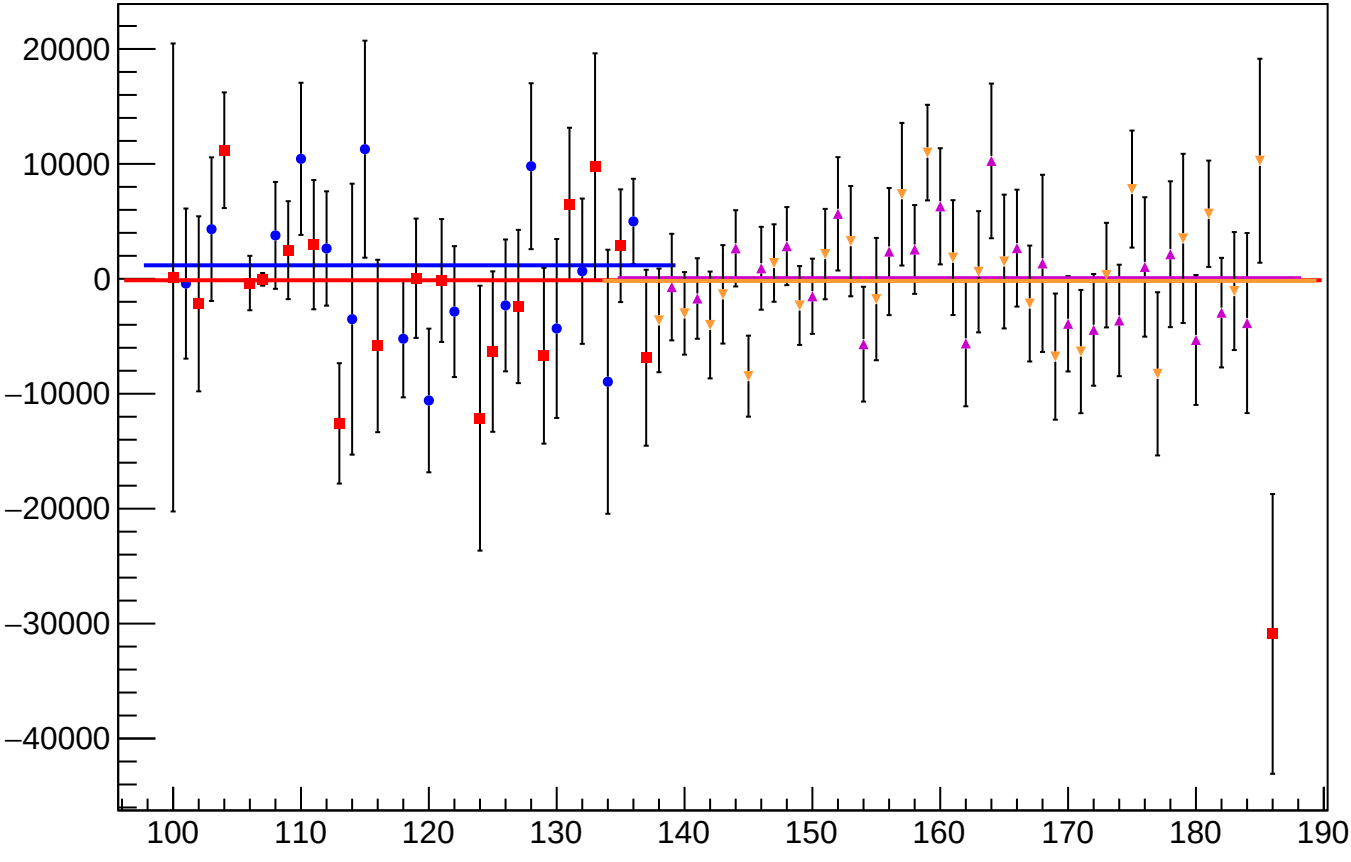
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1740.262+/-0.239 χ^2/NDF: 386935.8/40

All: 1743.194+/-0.170 χ^2/NDF: 888179.9/83

- sign 1746.209+/-0.243 χ^2/NDF: 500939.6/42

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -125.809+/-505.257 χ^2/NDF: 24.3/19

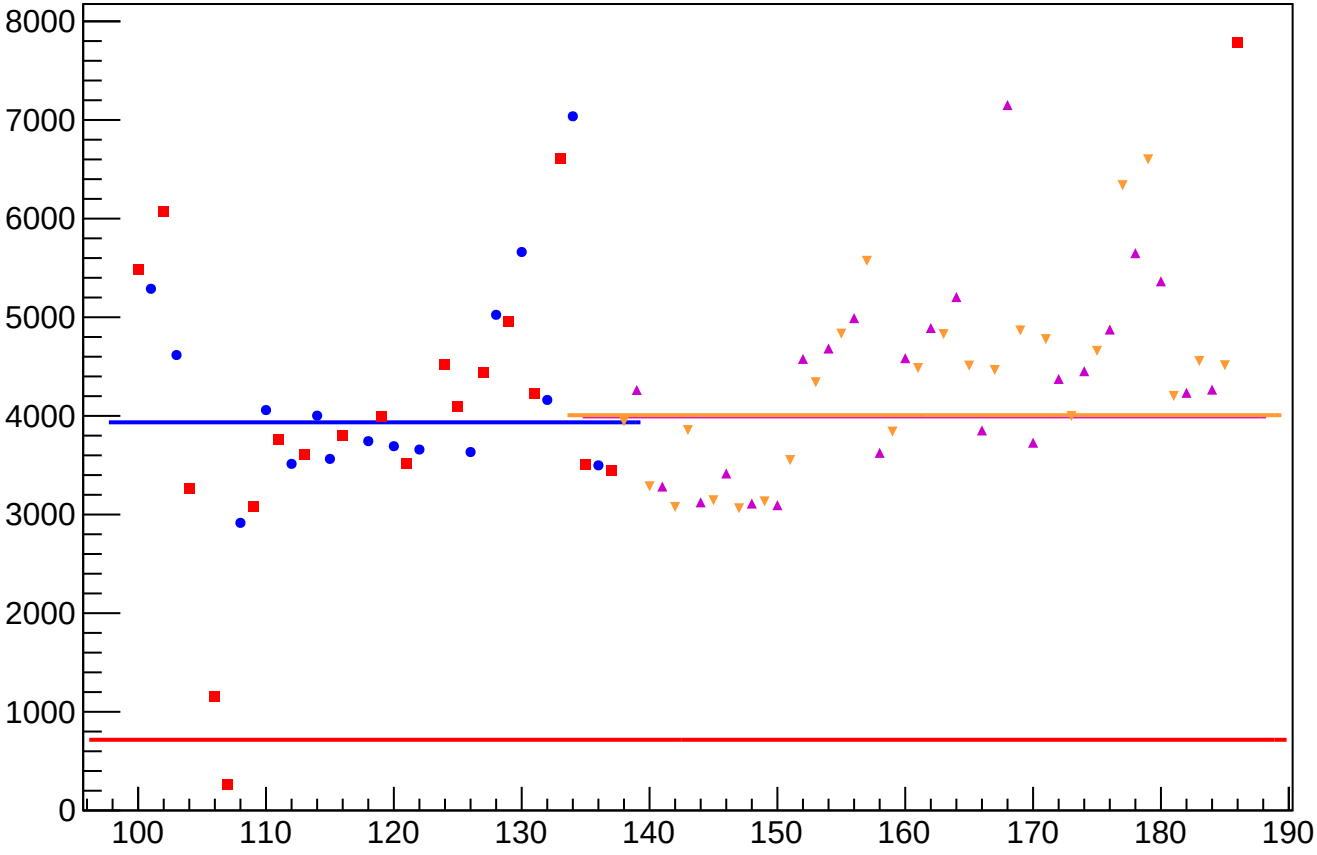
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 201.630+/-793.873 χ^2/NDF: 42.3/40

All: -16.852+/-389.333 χ^2/NDF: 81.0/83

- sign -86.041+/-446.746 χ^2/NDF: 38.7/42

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 716.597+/-0.357 χ^2/NDF: 11295405.8/19

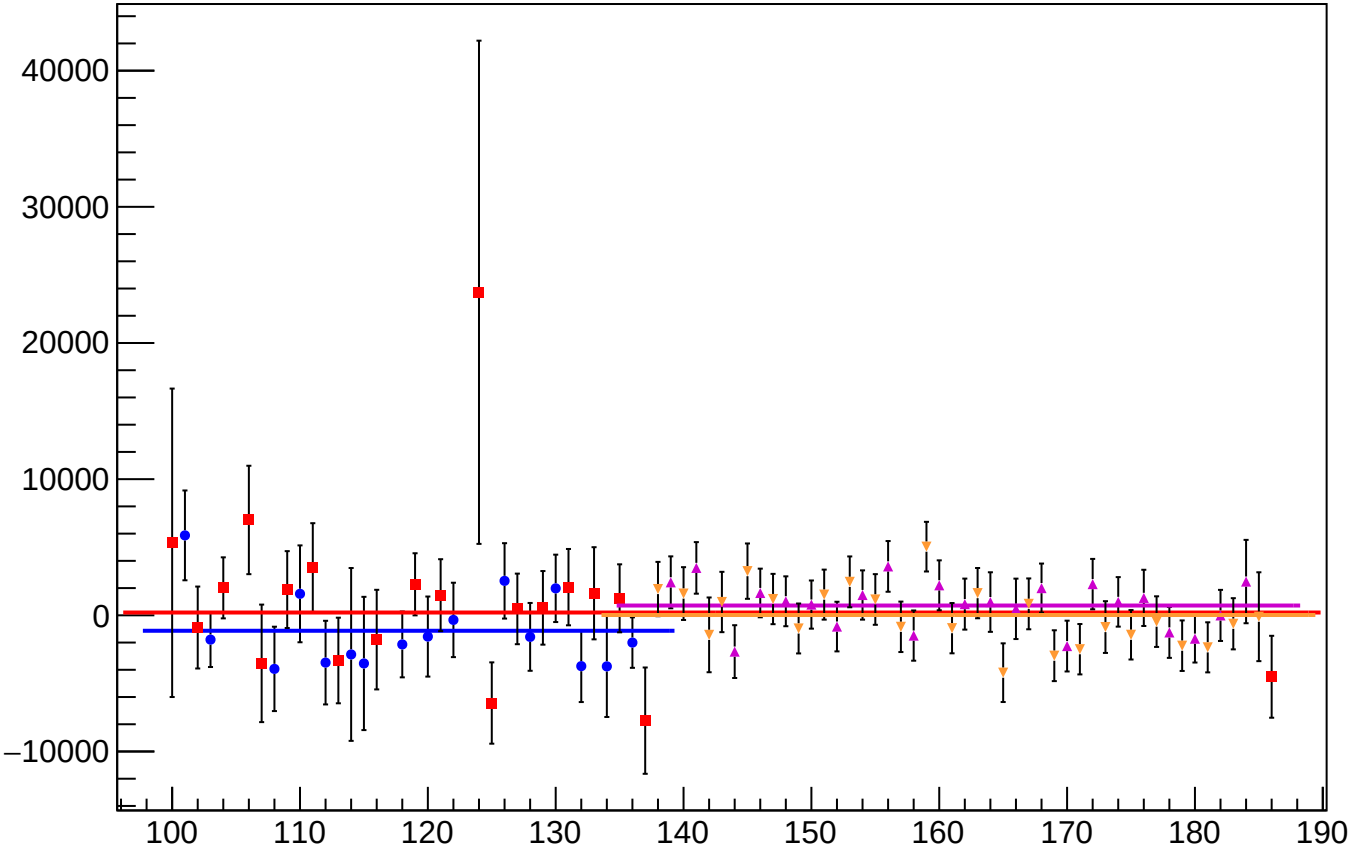
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 3986.809+/-0.561 χ^2/NDF: 2067140.5/40

All: 2046.417+/-0.275 χ^2/NDF: 49005563.0/8

- sign 1431.935+/-0.316 χ^2/NDF: 31206315.8/42

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 206.086+/-687.260 χ^2/NDF: 22.6/19

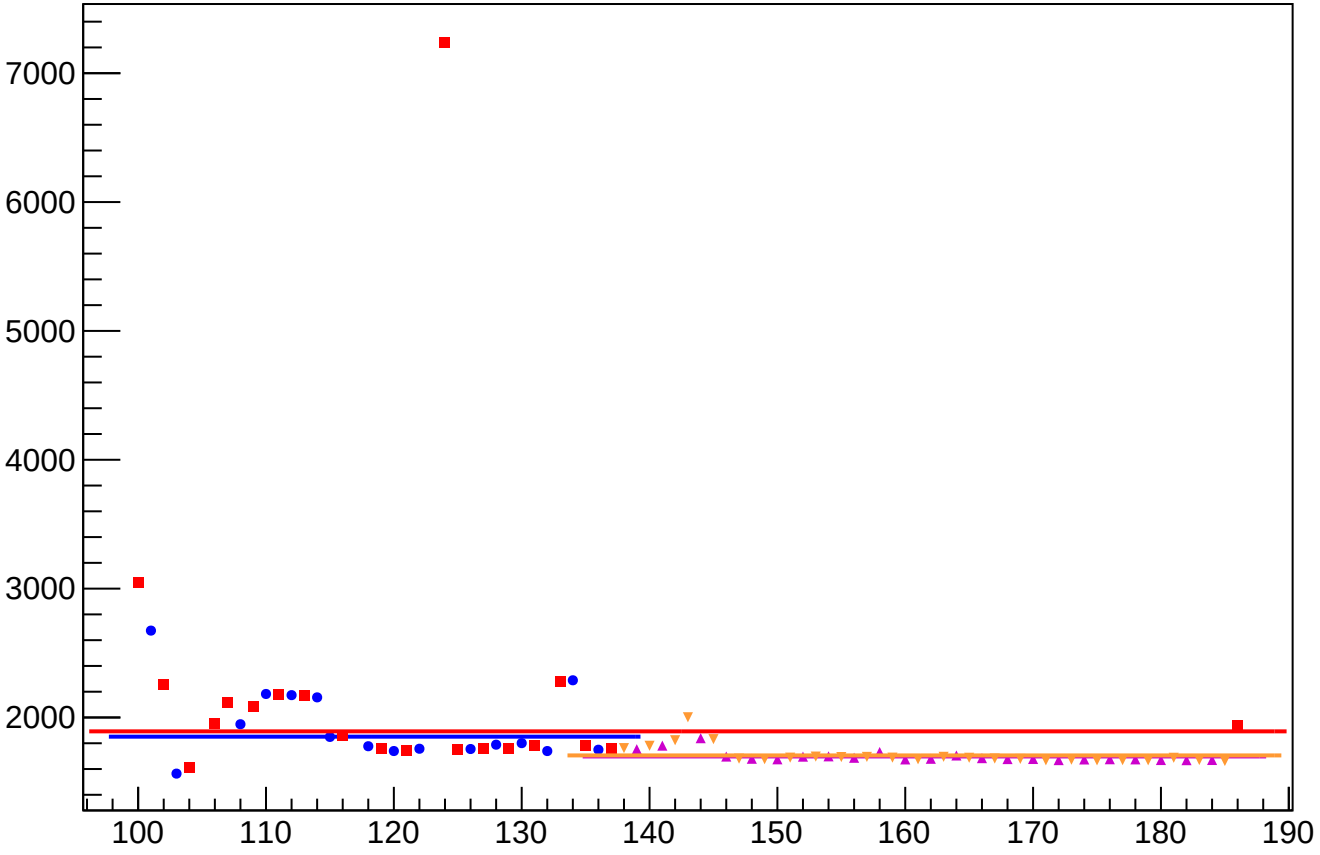
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -252.271+/-338.462 χ^2/NDF: 43.8/40

All: 163.357+/-241.059 χ^2/NDF: 89.0/83

- sign 591.222+/-343.409 χ^2/NDF: 42.1/42

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

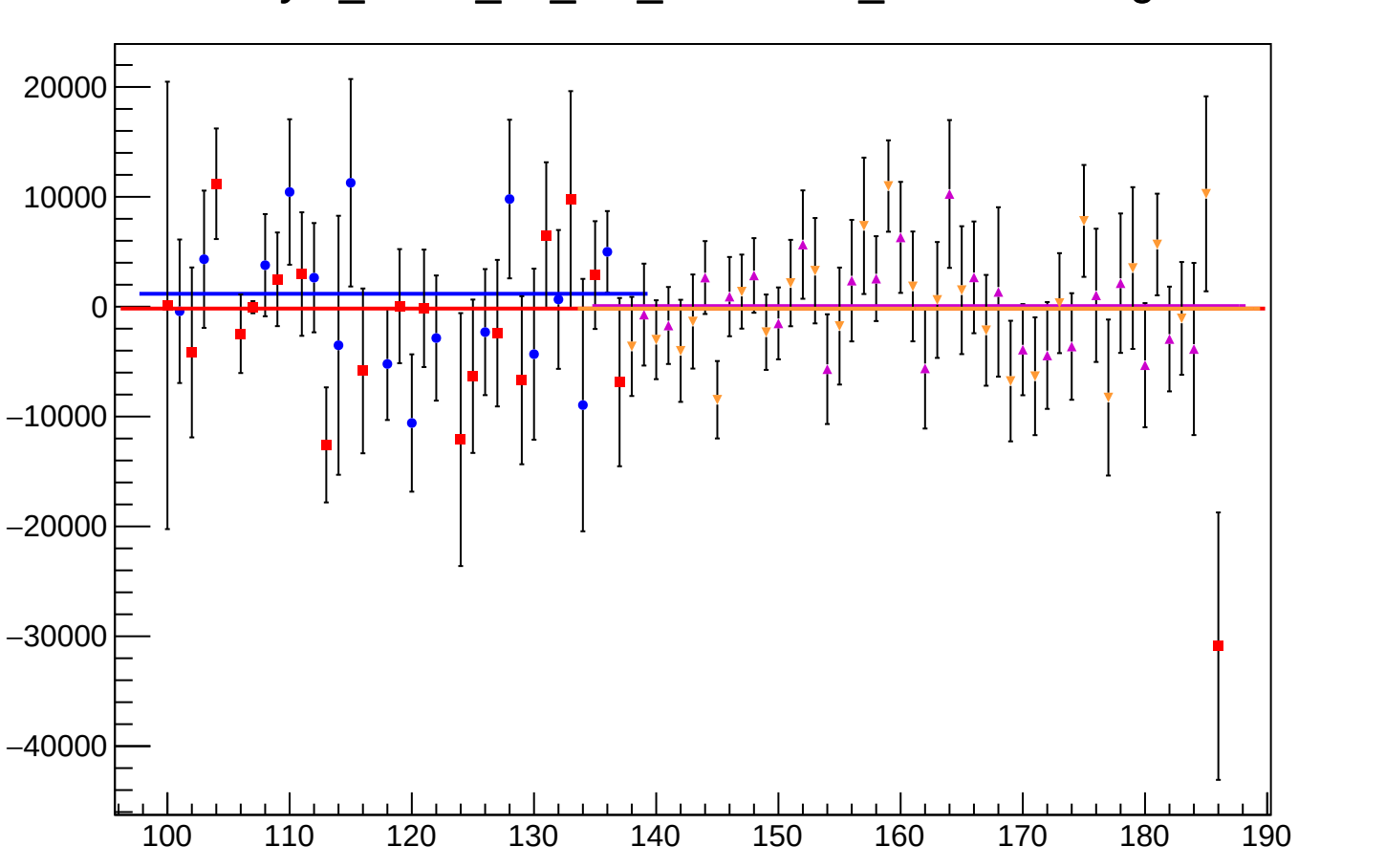
Right Out: 1892.339+/-0.485 χ^2/NDF: 359551.6/19

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

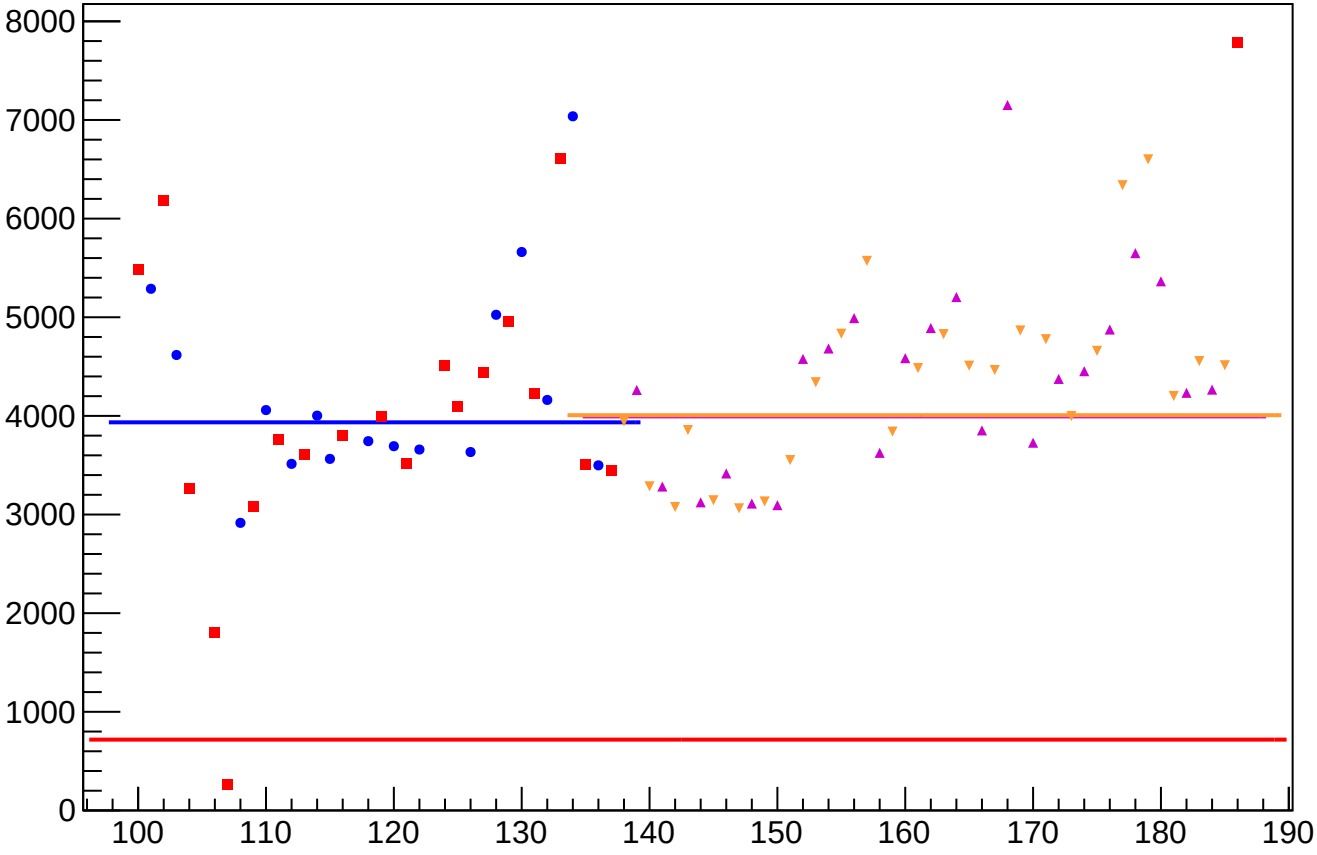
\+ sign 1740.262+/-0.239 χ^2/NDF: 386935.3/40

All: 1743.240+/-0.170 χ^2/NDF: 888901.2/83

\- sign 1746.303+/-0.243 χ^2/NDF: 501651.9/42


asym_atl1r2_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: 1175.408+/-1502.134 χ²/NDF: 13.7/15
Left Out: -175.755+/-935.140 χ²/NDF:27.9/24
Right Out: -170.360+/-511.836 χ²/NDF: 24.9/19
Left In: 56.377+/-956.388 χ²/NDF:14.3/22
+ sign 201.637+/-793.873 χ²/NDF: 42.3/40
All: -41.359+/-392.319 χ²/NDF: 81.7/83
- sign -119.878+/-451.274 χ²/NDF: 39.3/42

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 718.150+/-0.362 χ^2/NDF: 11423703.5/19

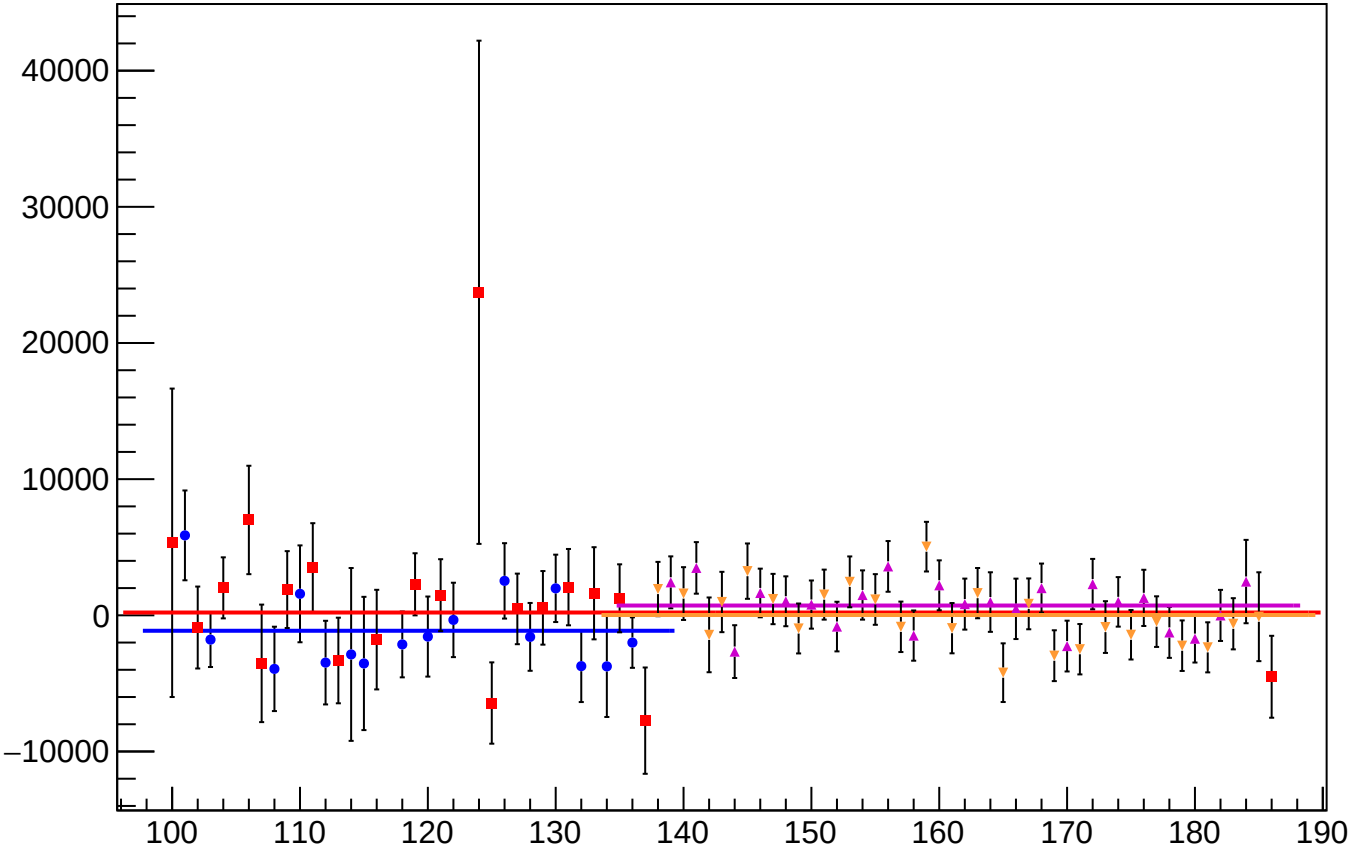
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 3986.806+/-0.561 χ^2/NDF: 2067183.9/40

All: 2067.806+/-0.277 χ^2/NDF: 48742537.4/8

- sign 1447.718+/-0.319 χ^2/NDF: 31212818.3/42

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 206.086+/-687.260 χ^2/NDF: 22.6/19

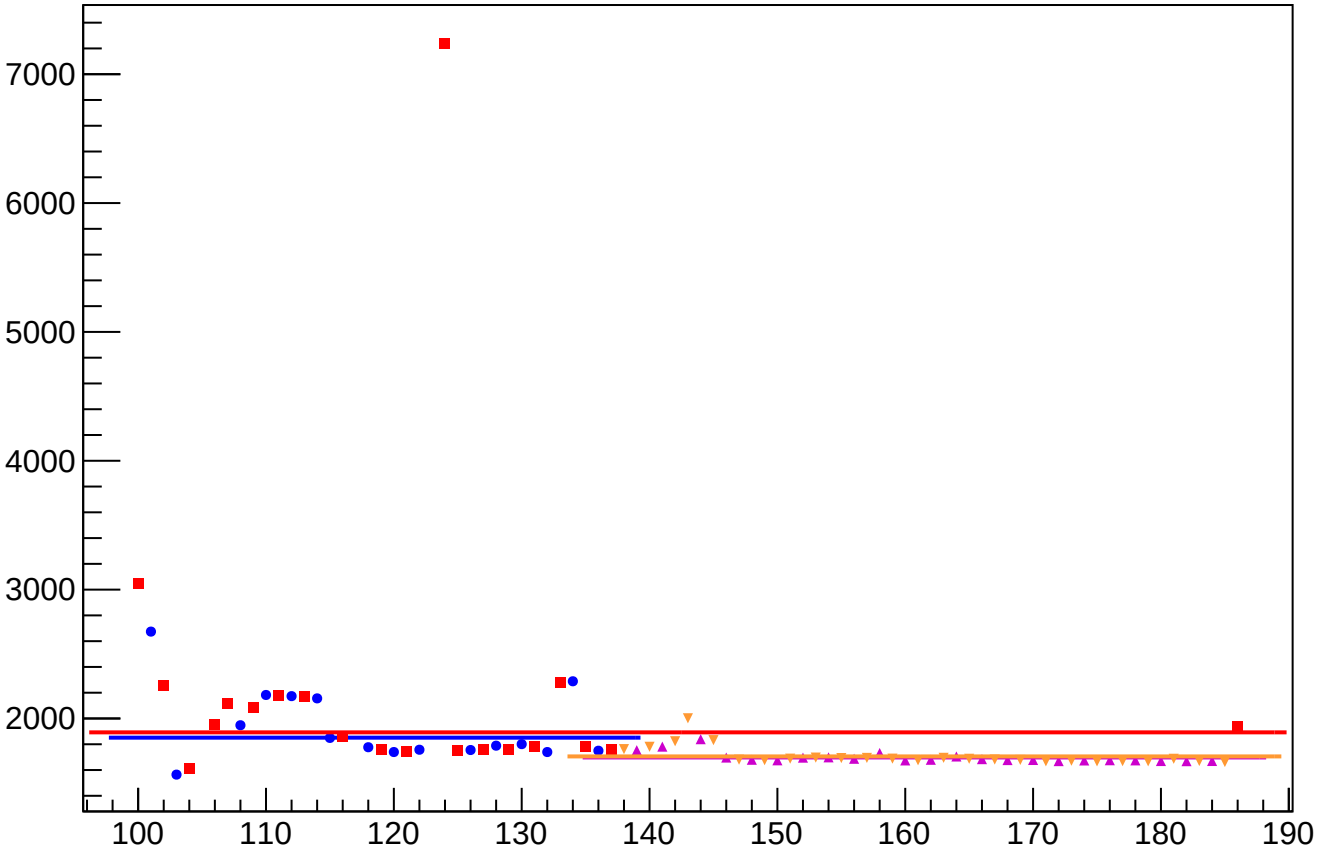
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -252.271+/-338.462 χ^2/NDF: 43.8/40

All: 163.357+/-241.059 χ^2/NDF: 89.0/83

- sign 591.222+/-343.409 χ^2/NDF: 42.1/42

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

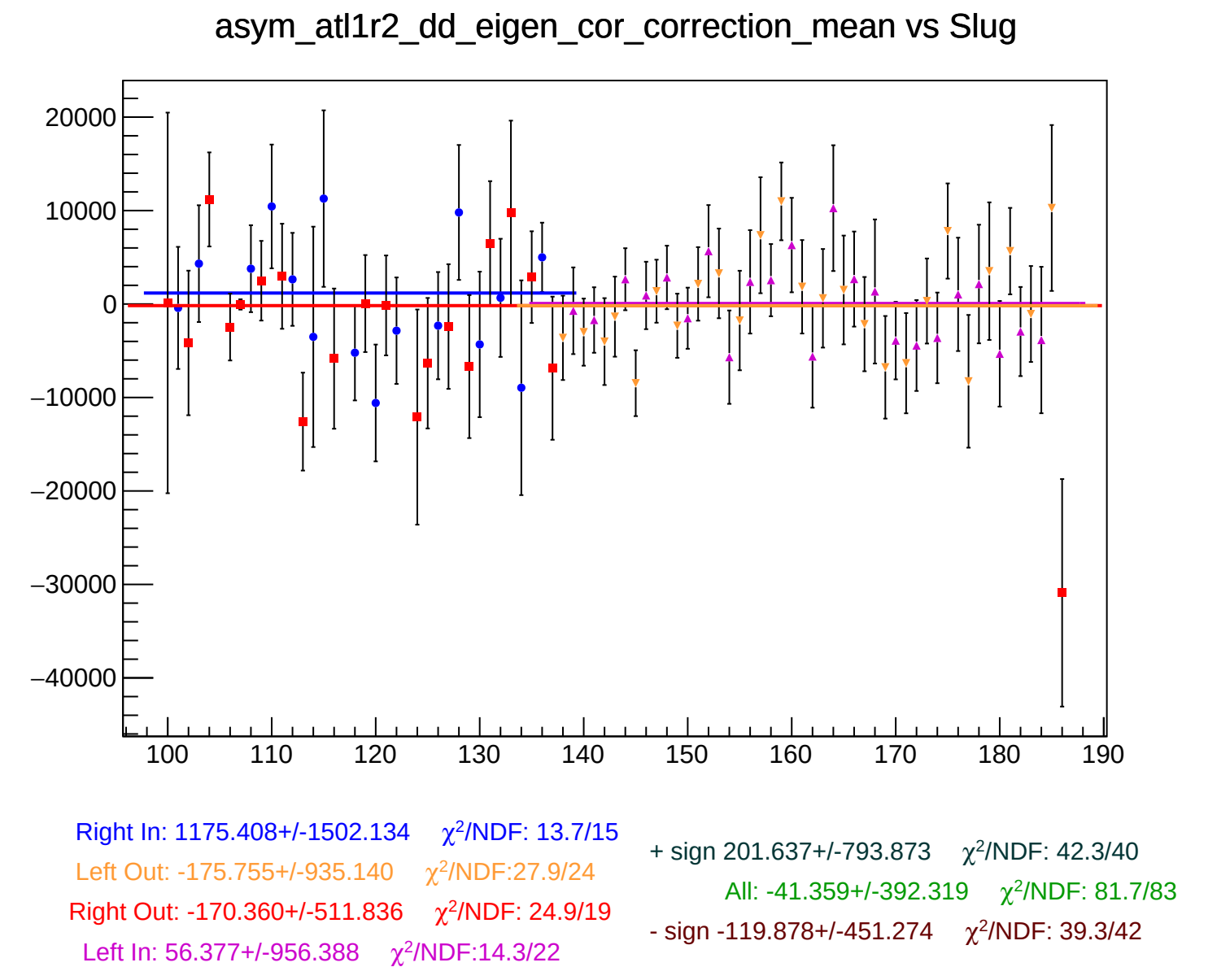
Right Out: 1892.339+/-0.485 χ^2/NDF: 359551.6/19

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

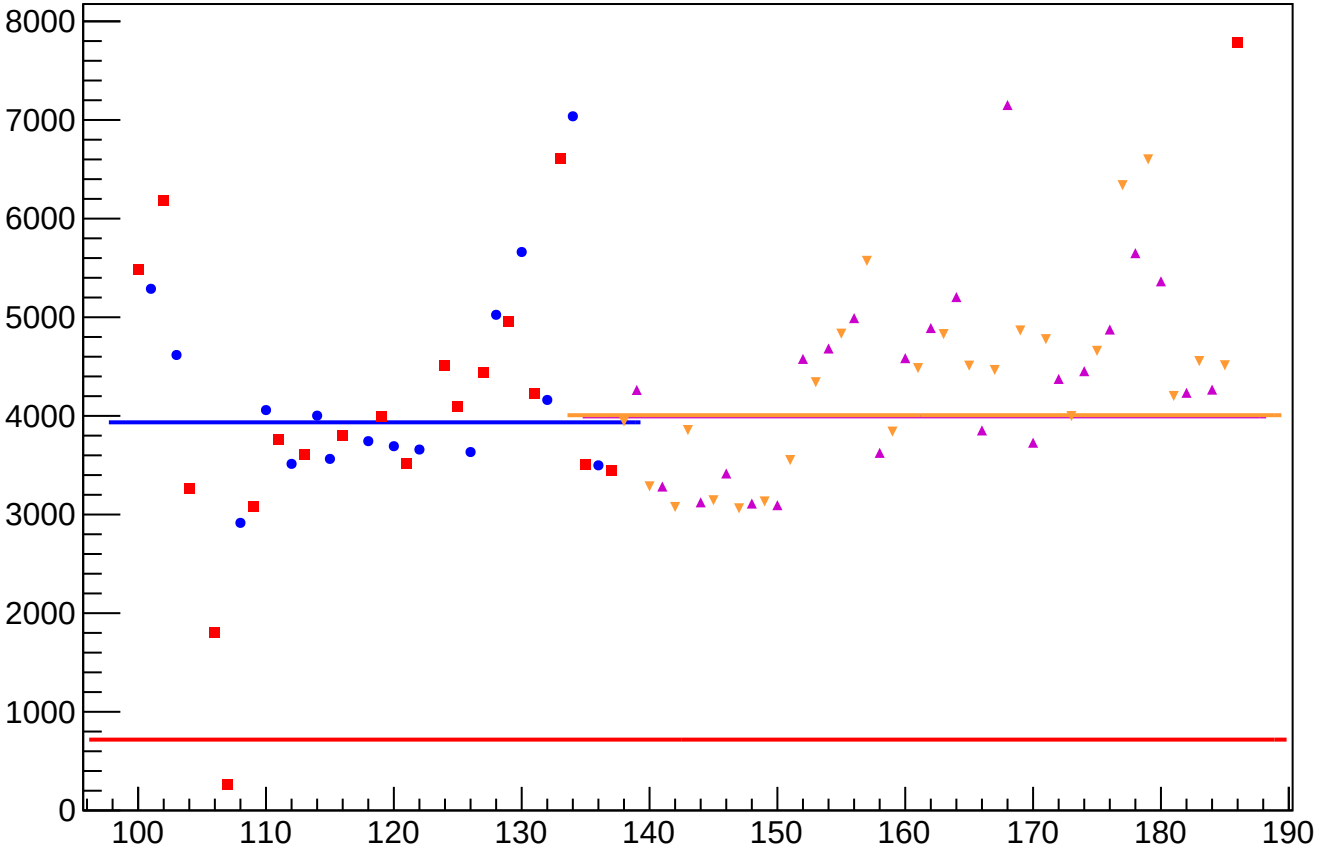
\+ sign 1740.262+/-0.239 χ^2/NDF: 386935.3/40

All: 1743.240+/-0.170 χ^2/NDF: 888901.2/83

\- sign 1746.303+/-0.243 χ^2/NDF: 501651.9/42


asym_atl1r2_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 1175.408+/-1502.134 χ²/NDF: 13.7/15
Left Out: -175.755+/-935.140 χ²/NDF:27.9/24
Right Out: -170.360+/-511.836 χ²/NDF: 24.9/19
Left In: 56.377+/-956.388 χ²/NDF:14.3/22
+ sign 201.637+/-793.873 χ²/NDF: 42.3/40
All: -41.359+/-392.319 χ²/NDF: 81.7/83
- sign -119.878+/-451.274 χ²/NDF: 39.3/42

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 718.150+/-0.362 χ^2/NDF: 11423703.5/19

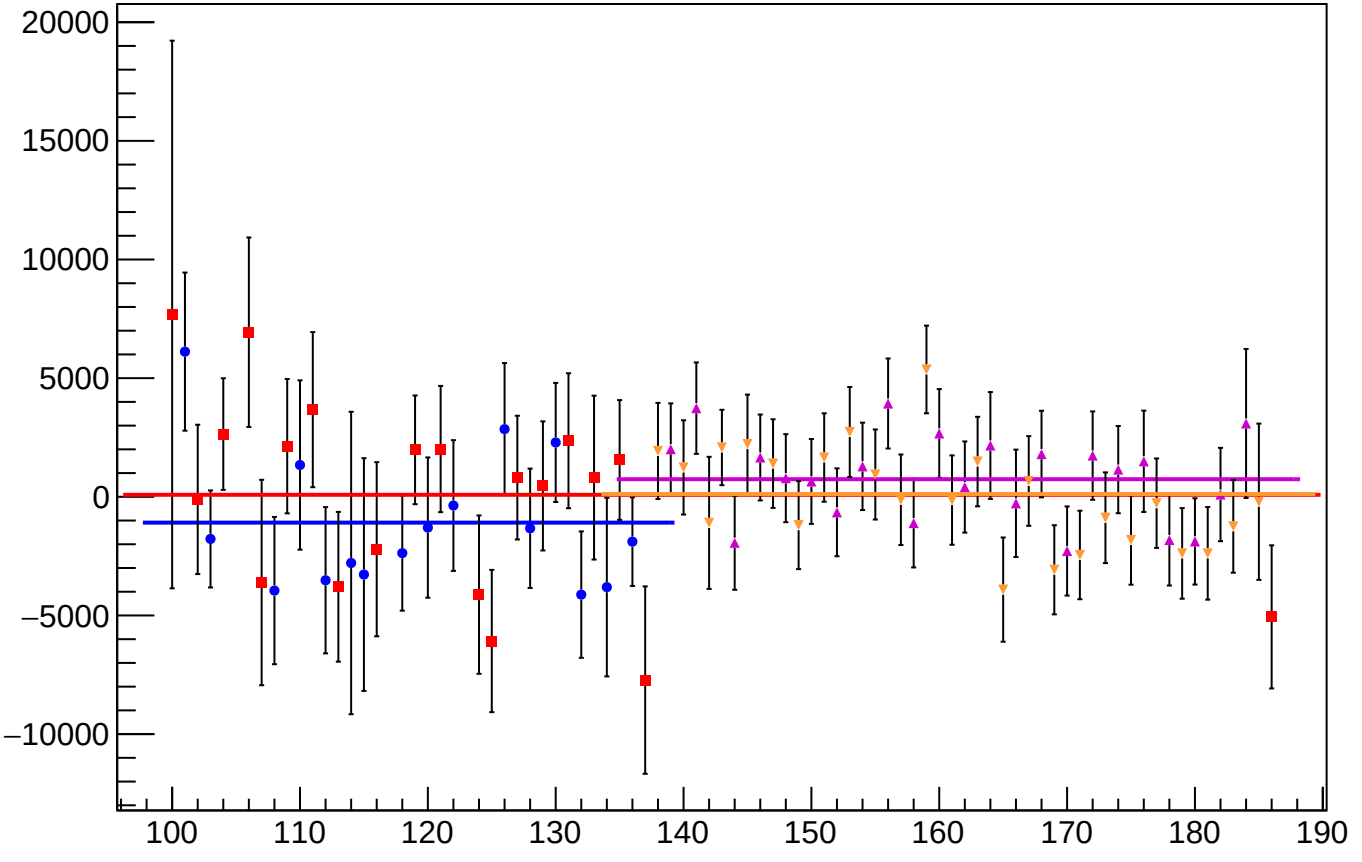
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 3986.806+/-0.561 χ^2/NDF: 2067183.9/40

All: 2067.806+/-0.277 χ^2/NDF: 48742537.4/8

- sign 1447.718+/-0.319 χ^2/NDF: 31212818.3/42

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 84.451+/-681.572 χ^2/NDF: 23.9/19

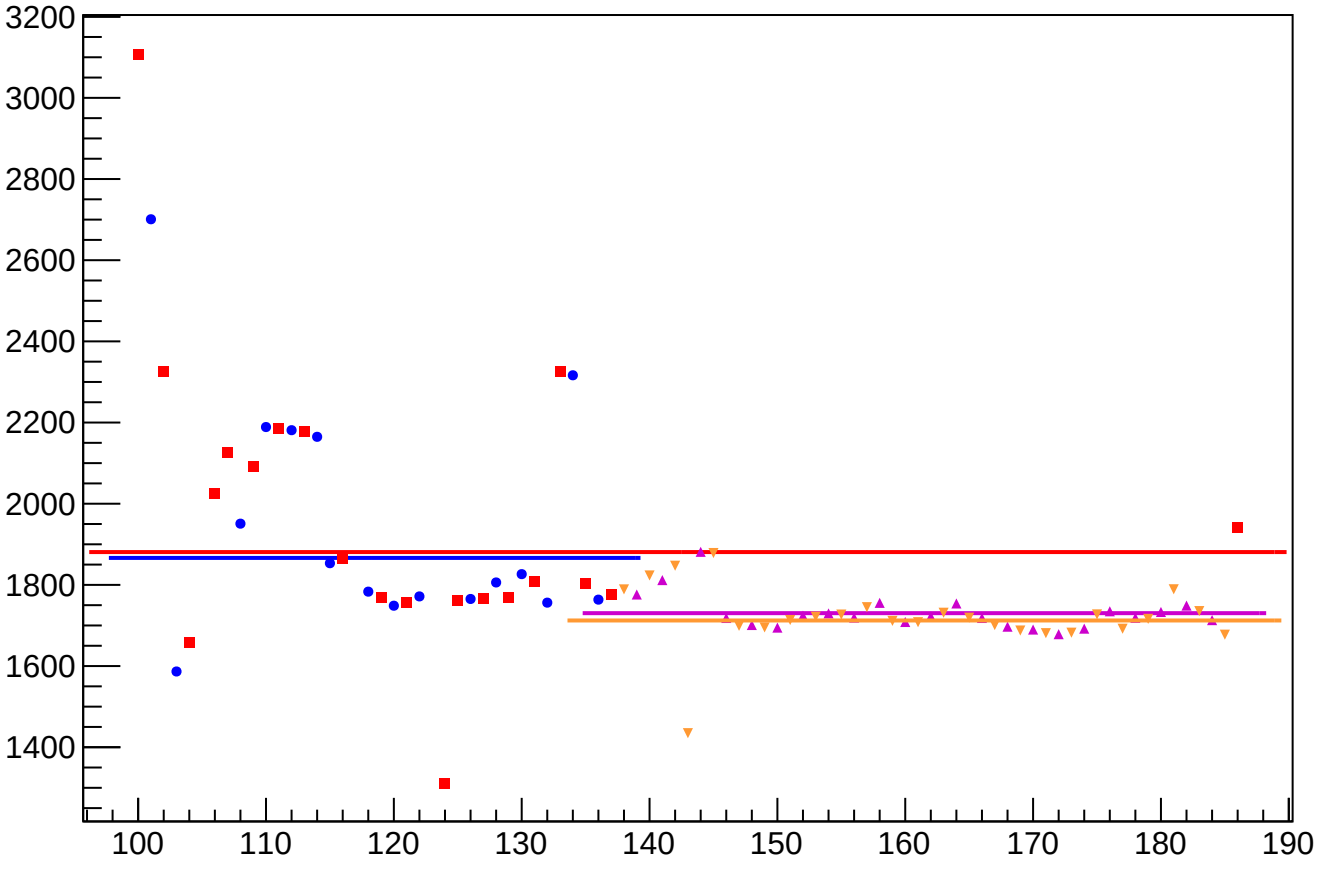
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -165.773+/-340.282 χ^2/NDF: 45.2/40

All: 194.413+/-243.174 χ^2/NDF: 91.0/83

- sign 570.338+/-347.636 χ^2/NDF: 43.6/42

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1880.863+/-0.482 χ^2/NDF: 252674.8/19

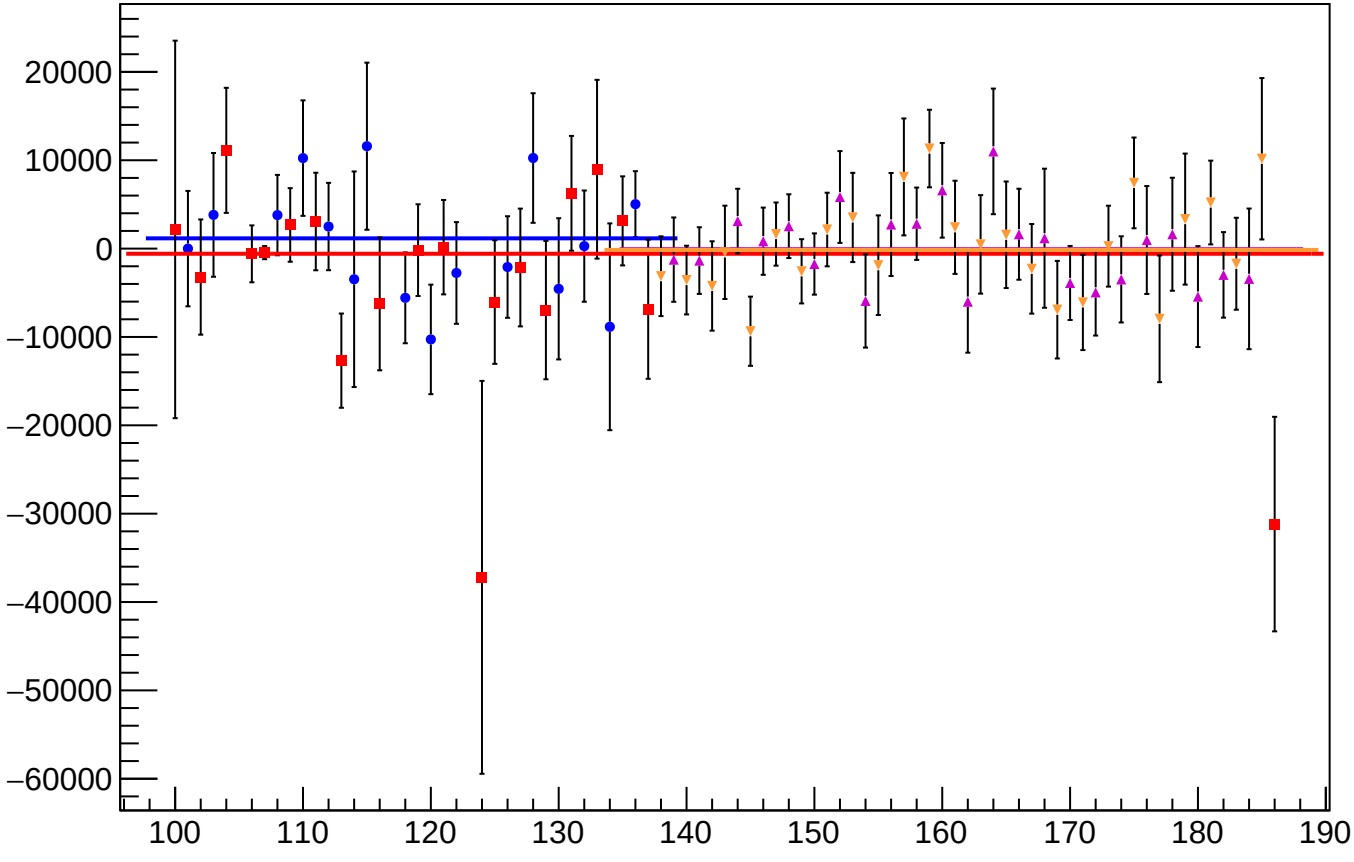
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1748.780+/-0.241 χ^2/NDF: 424788.5/40

All: 1758.943+/-0.172 χ^2/NDF: 776436.3/83

- sign 1769.546+/-0.246 χ^2/NDF: 348002.5/42

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -582.929+/-657.544 χ^2/NDF: 23.3/19

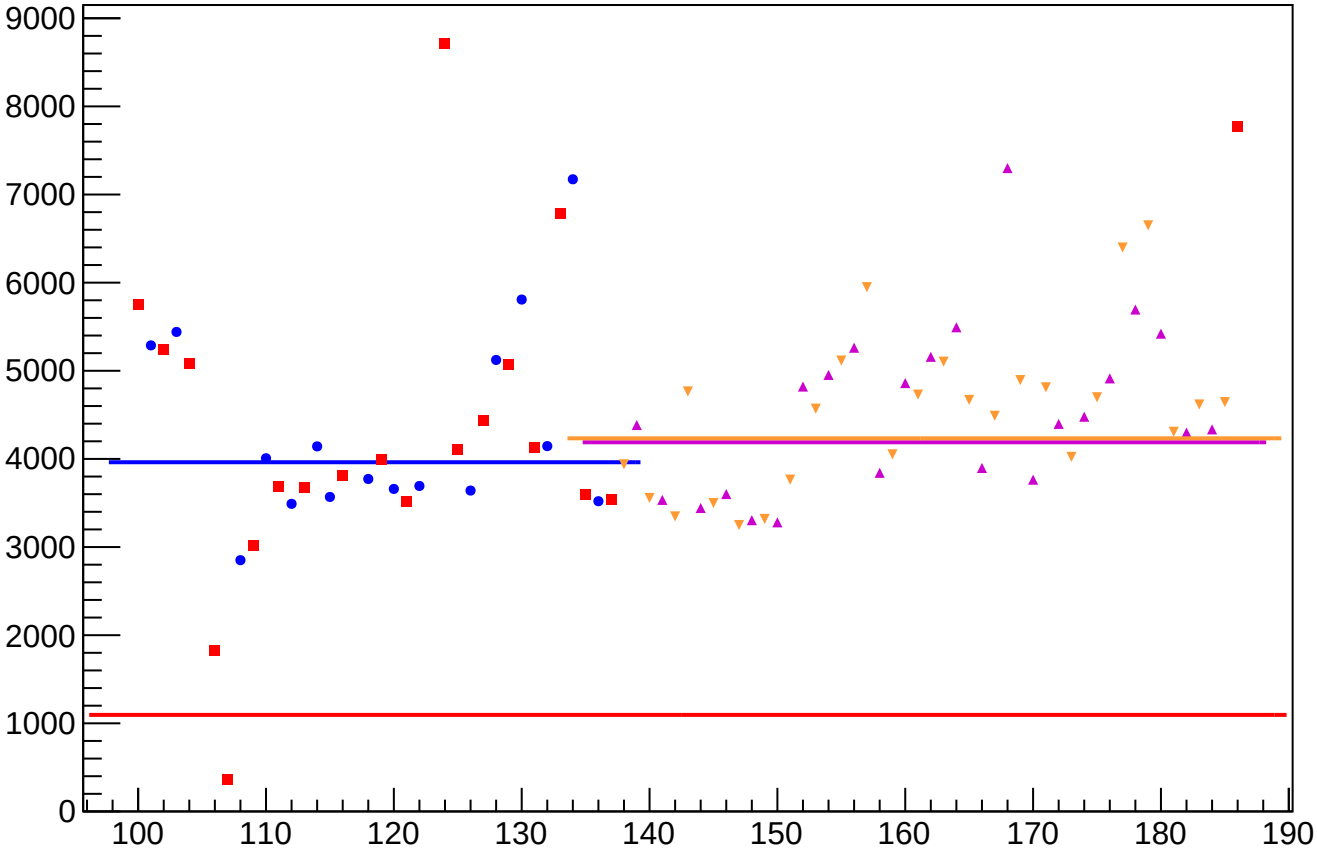
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 240.436+/-825.345 χ^2/NDF: 41.0/40

All: -221.816+/-457.358 χ^2/NDF: 79.0/83

- sign -426.665+/-549.429 χ^2/NDF: 37.5/42

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1095.585+/-0.465 χ^2/NDF: 10164068.8/19

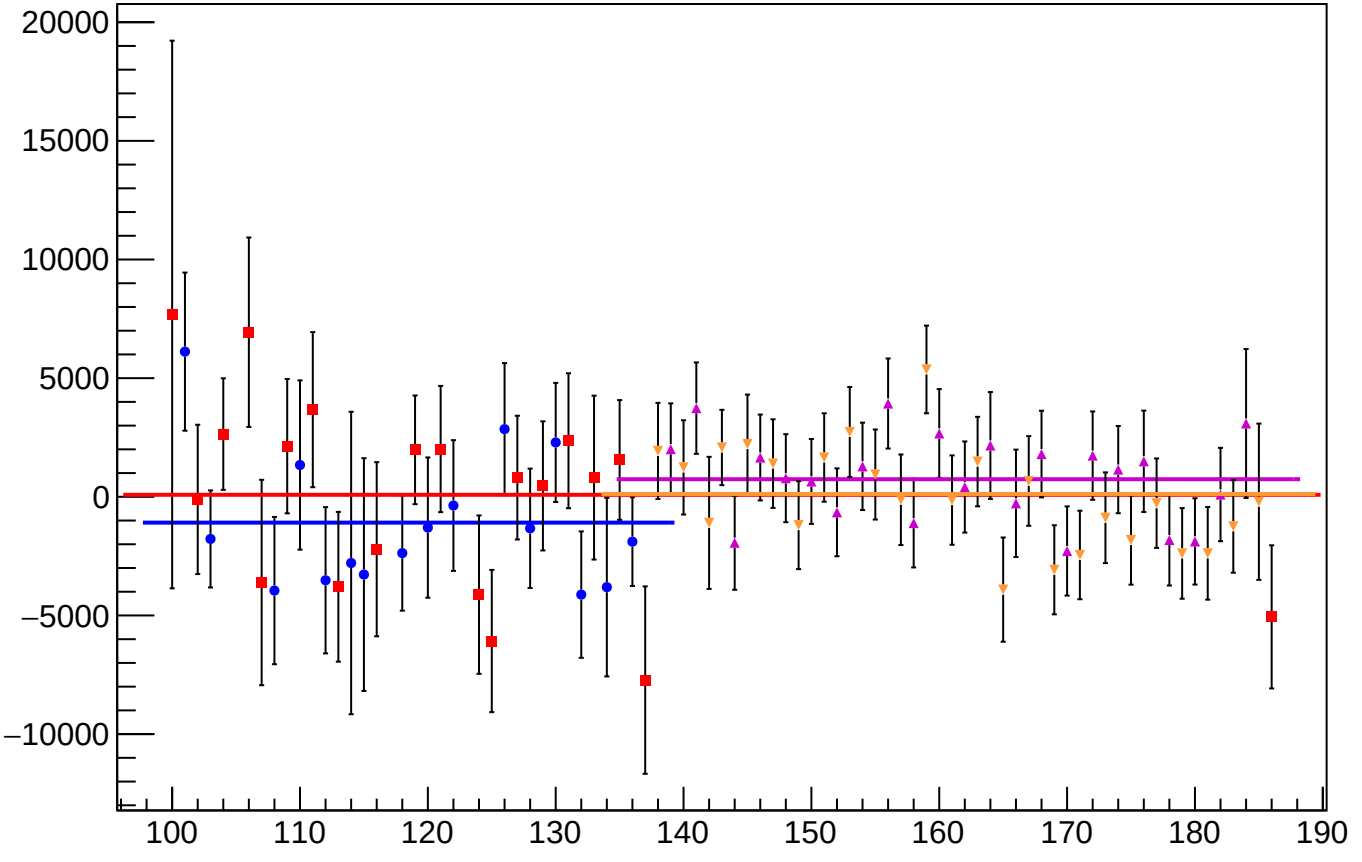
Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4153.020+/-0.584 χ^2/NDF: 1998398.9/40

All: 2681.343+/-0.323 χ^2/NDF: 36042329.9/8

- sign 2029.166+/-0.389 χ^2/NDF: 24867027.6/42

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 84.461+/-681.572 χ^2/NDF: 23.9/19

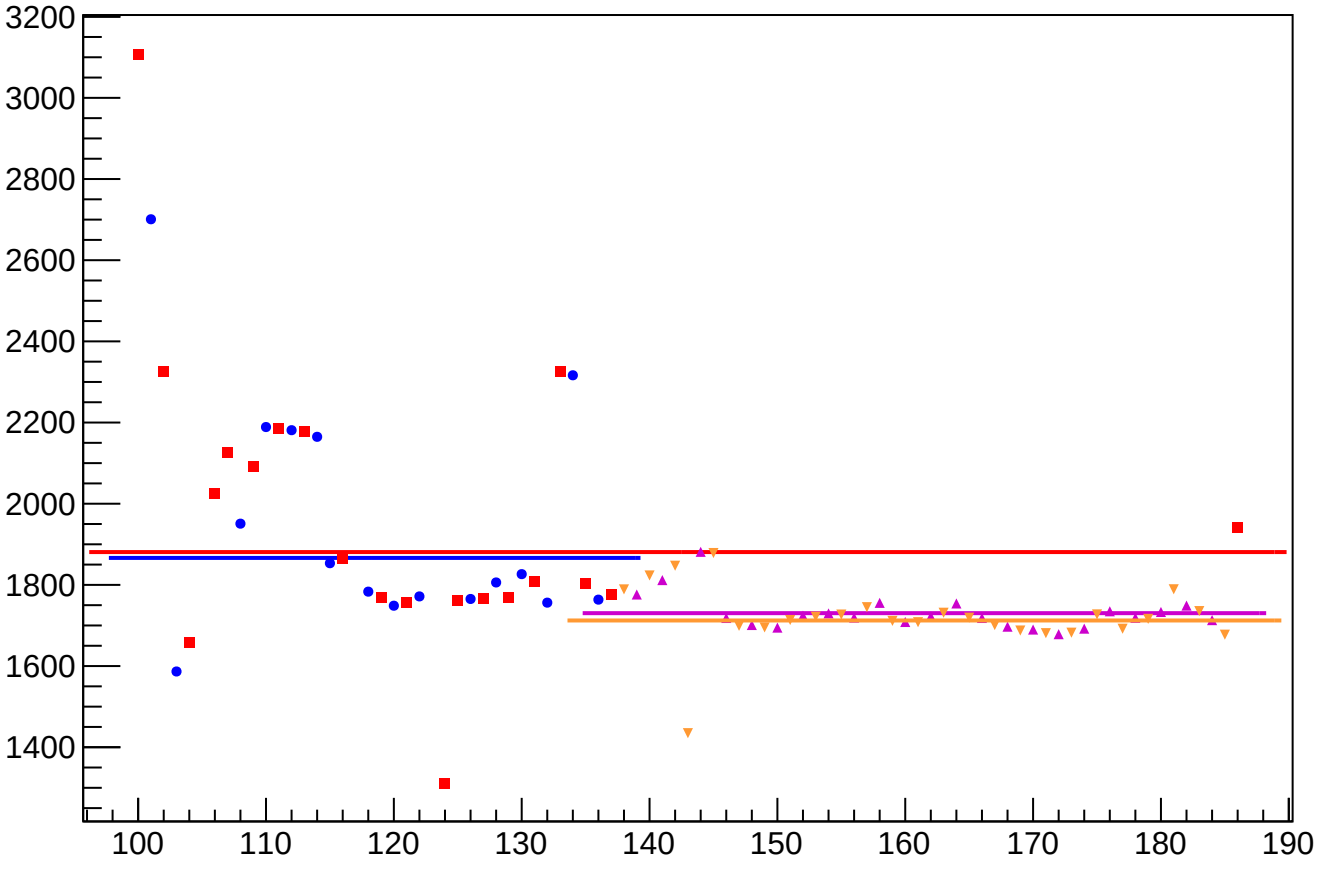
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -165.772+/-340.282 χ^2/NDF: 45.2/40

All: 194.415+/-243.174 χ^2/NDF: 91.0/83

- sign 570.340+/-347.637 χ^2/NDF: 43.6/42

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

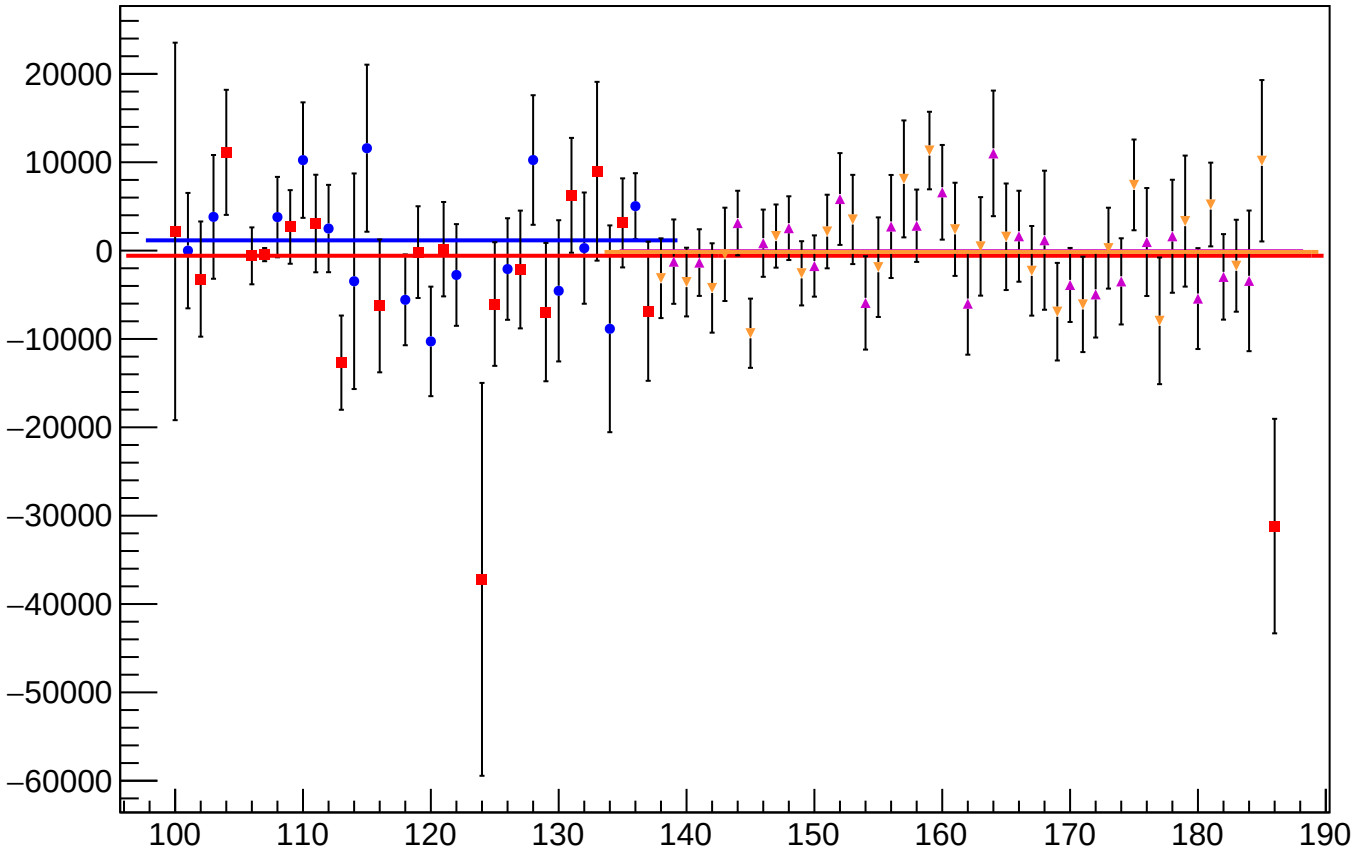
Right Out: 1880.863+/-0.482 χ^2/NDF: 252675.1/19

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1748.780+/-0.241 χ^2/NDF: 424786.7/40

All: 1758.943+/-0.172 χ^2/NDF: 776434.2/83

- sign 1769.546+/-0.246 χ^2/NDF: 348002.2/42



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

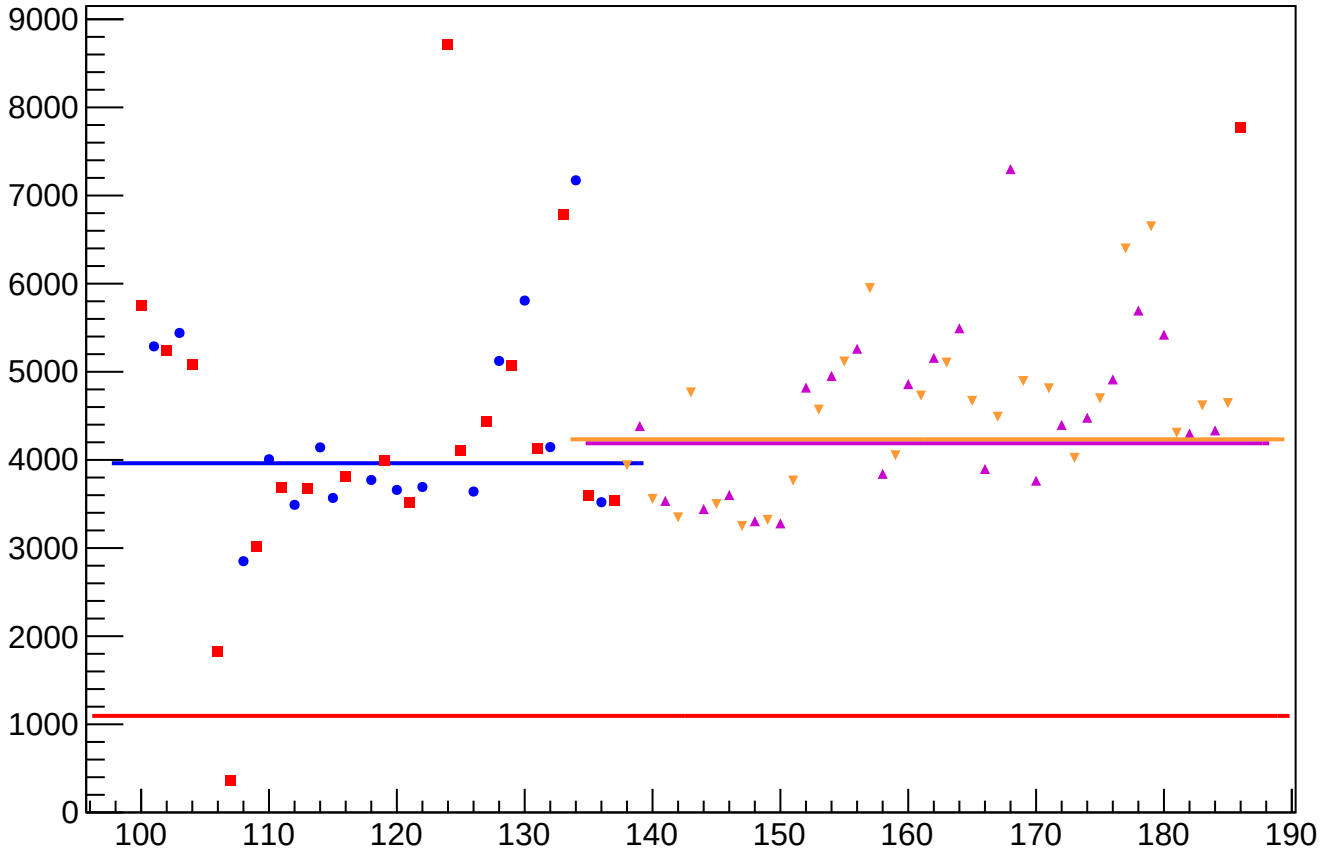
Right Out: -582.940+/-657.555 χ^2/NDF: 23.3/19

Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 240.432+/-825.345 χ^2/NDF: 41.0/40

All: -221.818+/-457.361 χ^2/NDF: 79.0/83

- sign -426.669+/-549.436 χ^2/NDF: 37.5/42



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1095.617+/-0.465 χ^2/NDF: 10163933.1/19

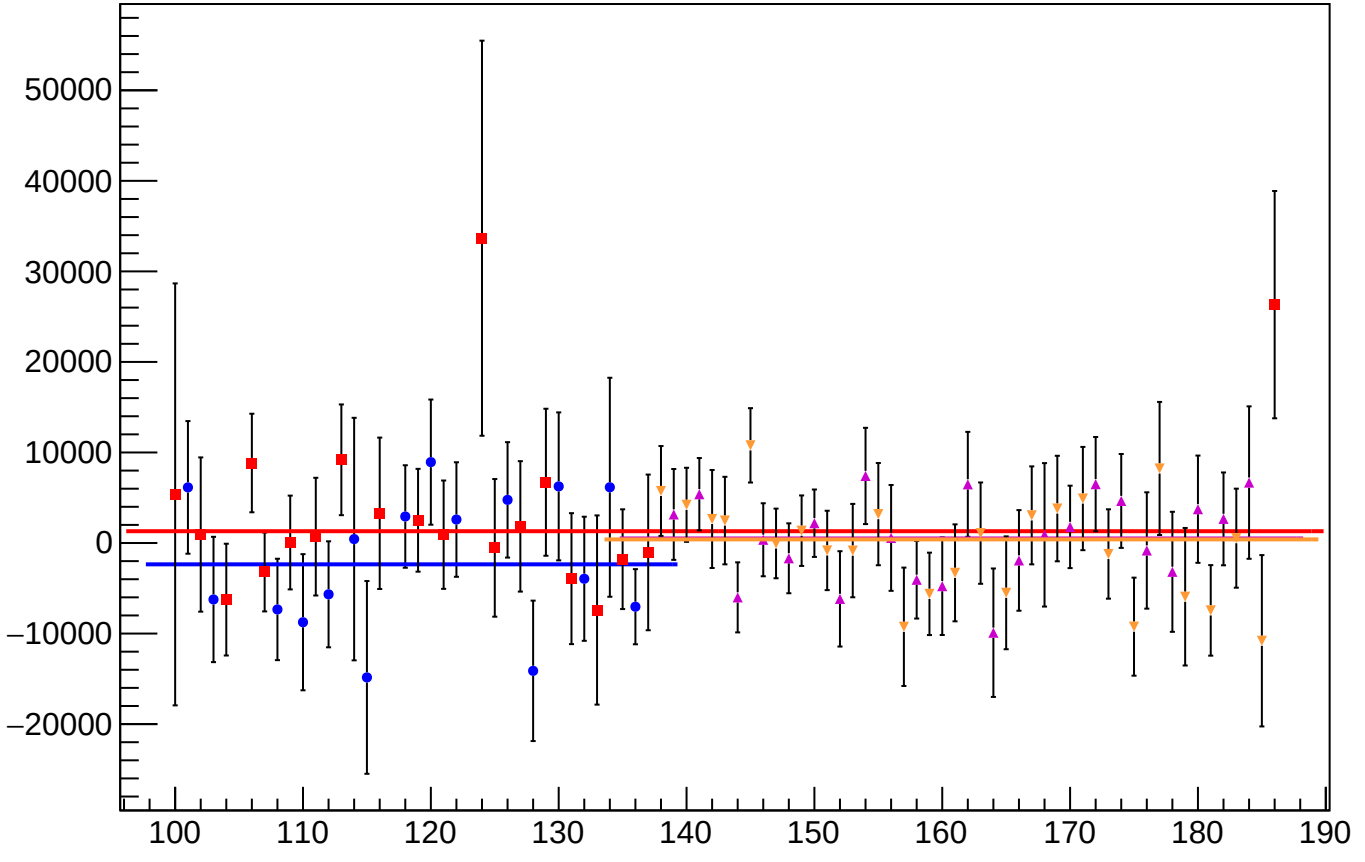
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4153.022+/-0.584 χ^2/NDF: 1998401.7/40

All: 2681.384+/-0.323 χ^2/NDF: 36041394.0/8

- sign 2029.209+/-0.389 χ^2/NDF: 24866518.0/42

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 1304.879+/-1535.275 χ^2/NDF: 14.6/19

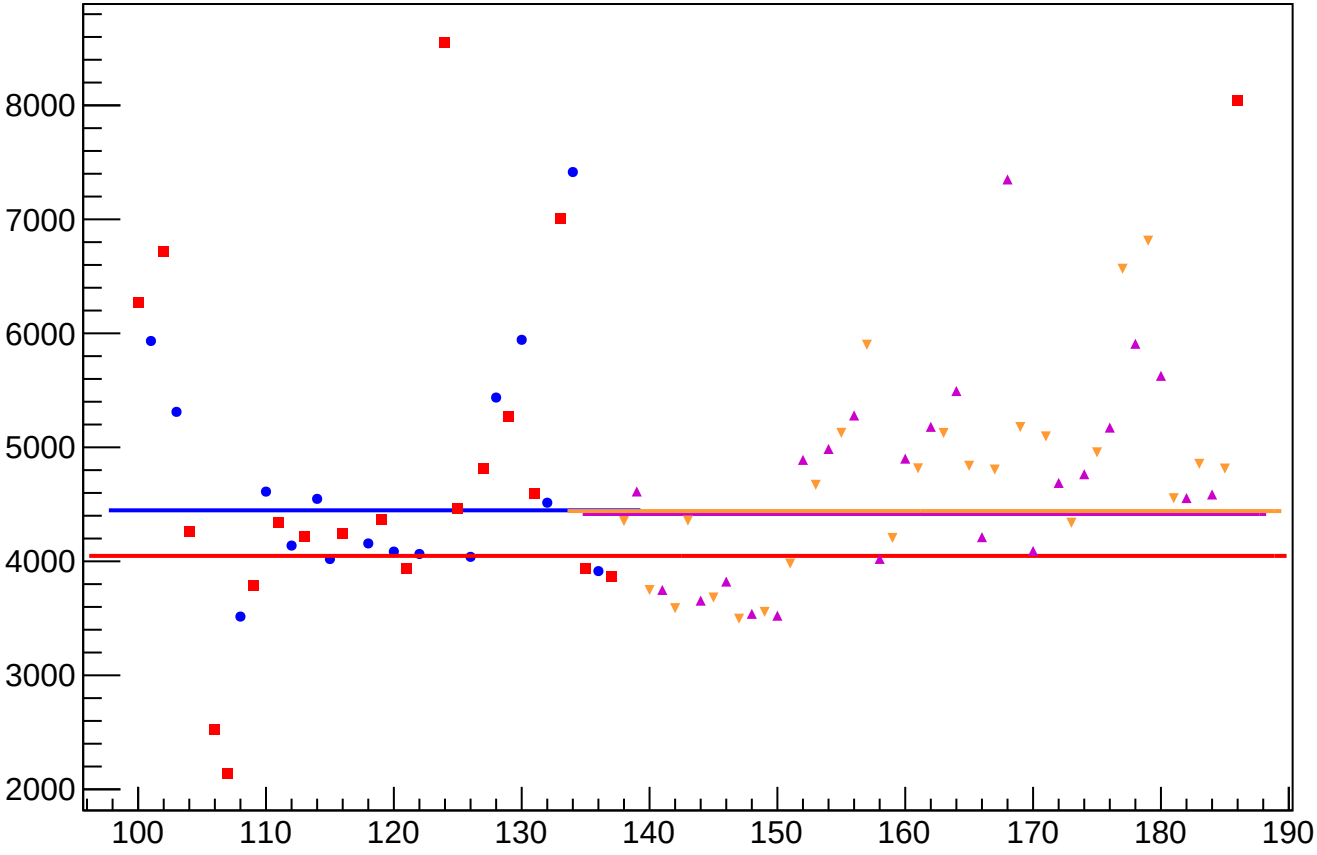
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -349.056+/-877.810 χ^2/NDF: 42.2/40

All: 211.863+/-616.672 χ^2/NDF: 75.2/83

- sign 758.437+/-866.513 χ^2/NDF: 32.2/42

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

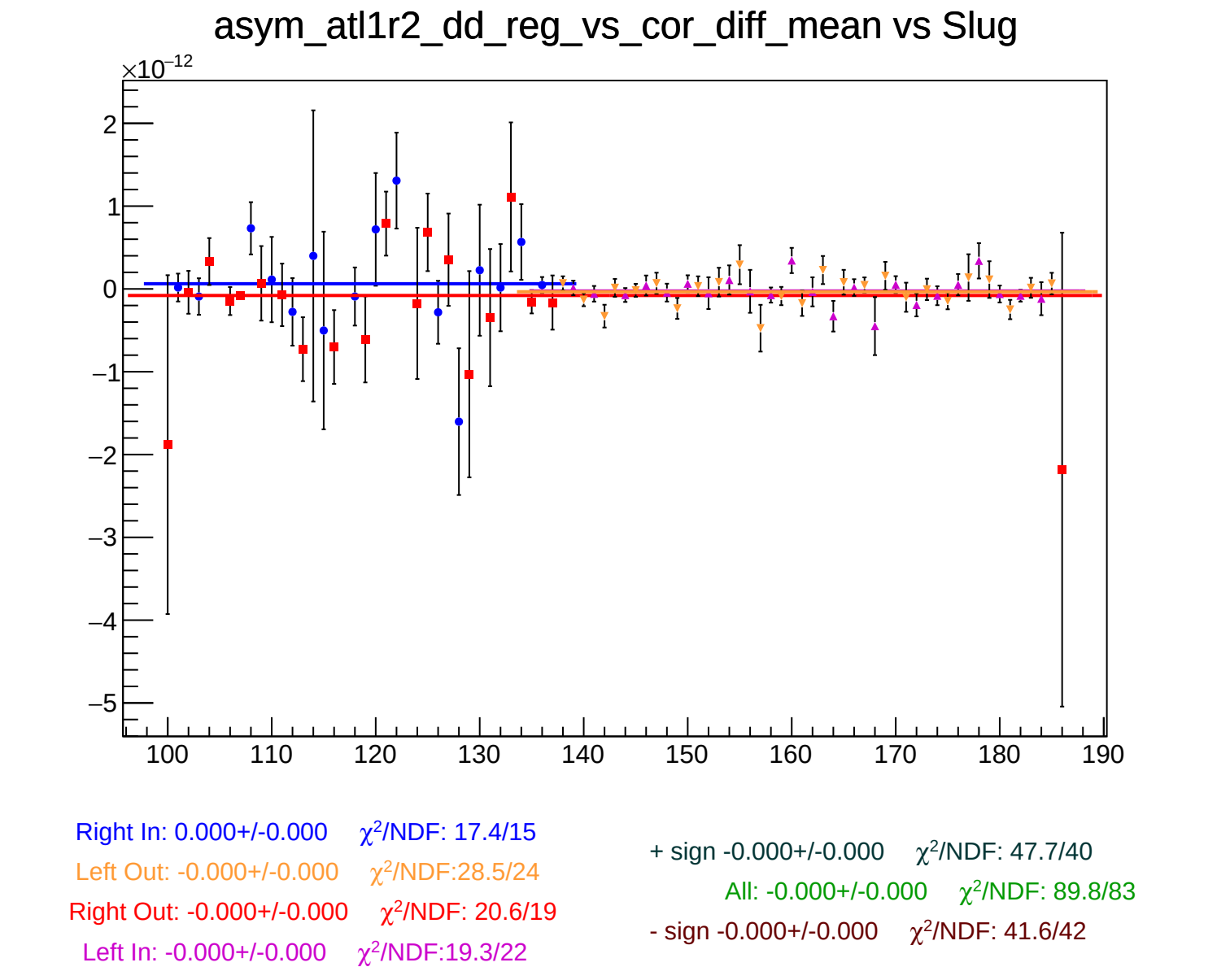
Right Out: 4047.676+/-1.075 χ^2/NDF: 1349211.4/19

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

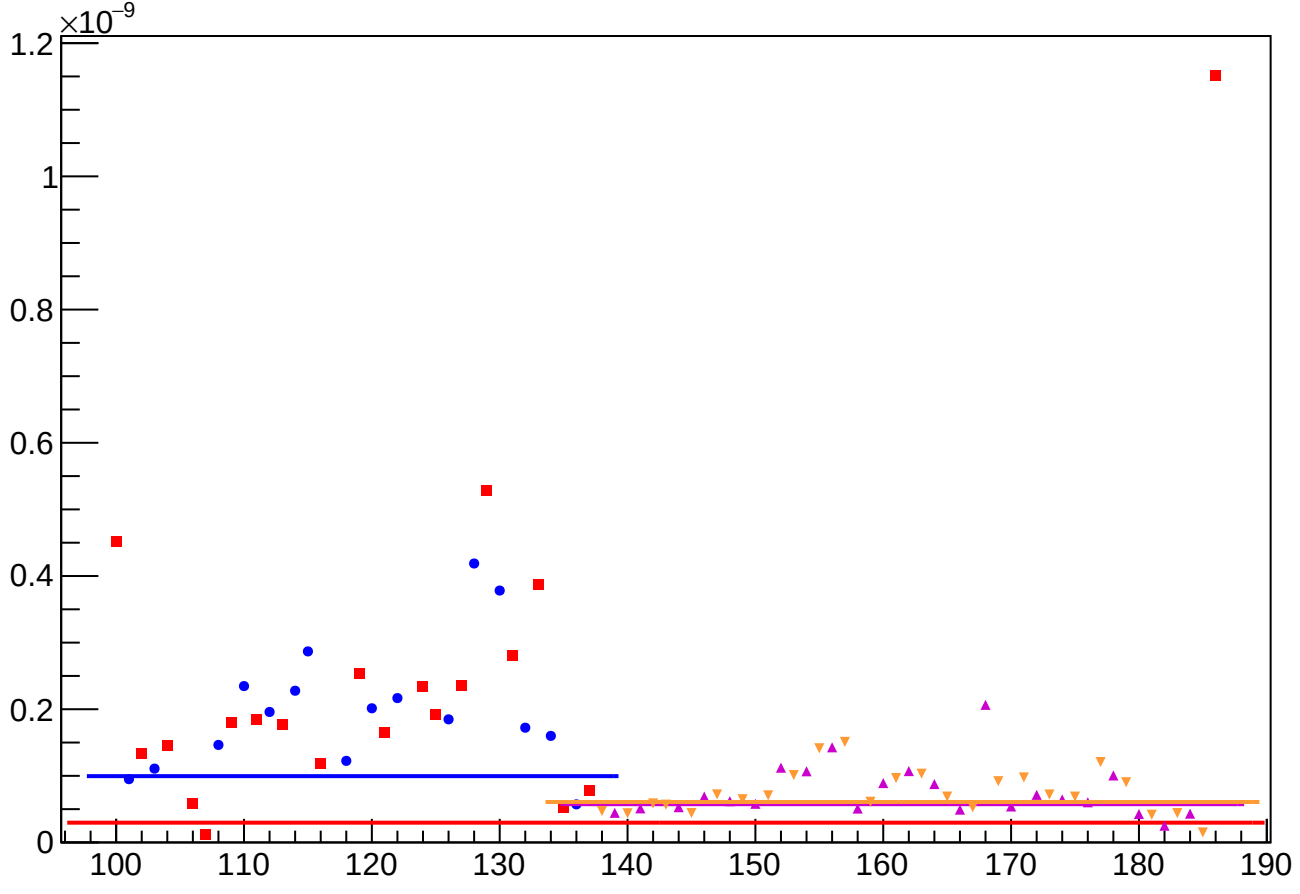
+ sign 4442.605+/-0.621 χ^2/NDF: 1531392.8/40

All: 4368.461+/-0.435 χ^2/NDF: 4099323.4/83

- sign 4296.666+/-0.611 χ^2/NDF: 2539845.1/42


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
2
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: 17.4/15
Left Out: -0.000+/-0.000 χ²/NDF:28.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.6/19
Left In: -0.000+/-0.000 χ²/NDF:19.3/22
+ sign -0.000+/-0.000 χ²/NDF: 47.7/40
All: -0.000+/-0.000 χ²/NDF: 89.8/83
- sign -0.000+/-0.000 χ²/NDF: 41.6/42

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4670968.5/19

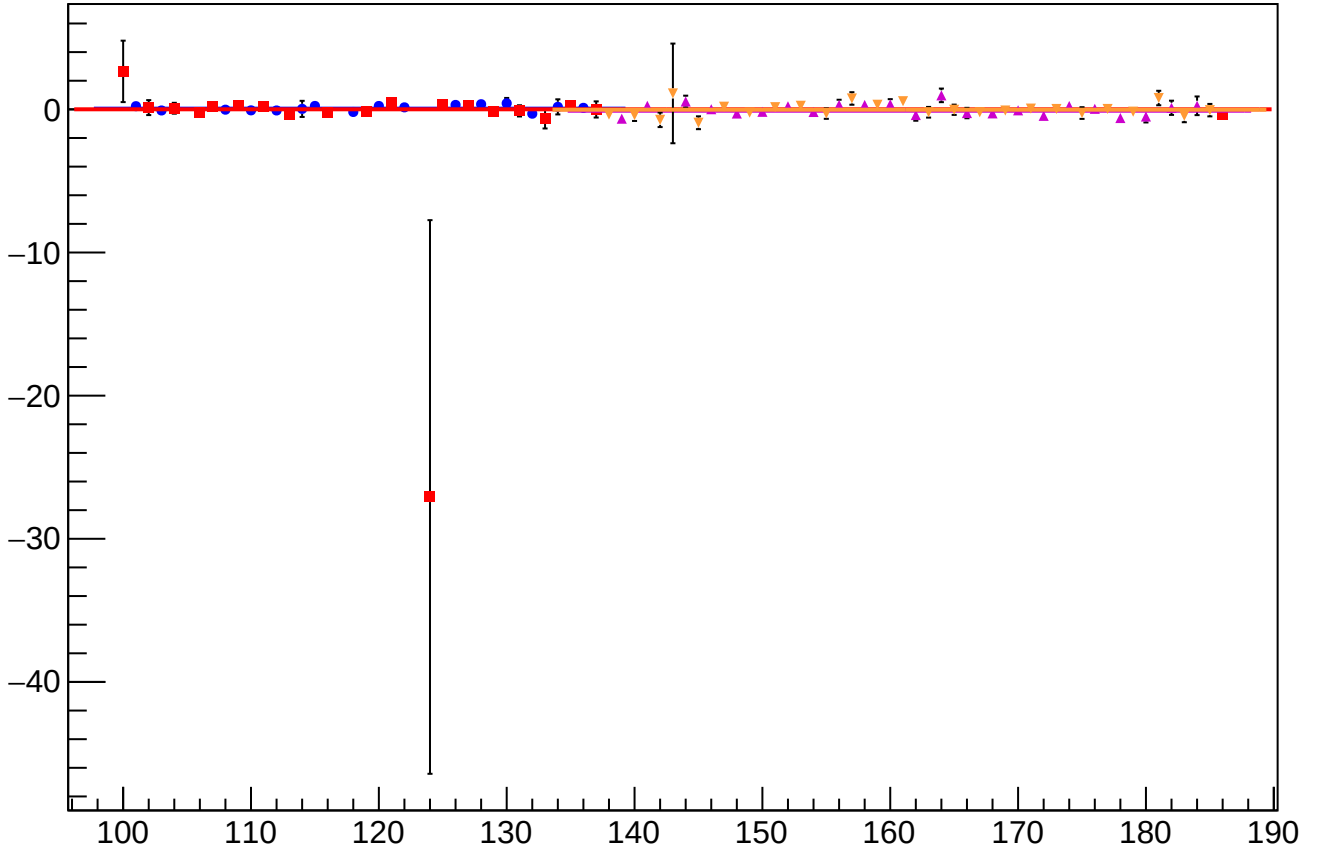
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 3859613.0/40

All: 0.000+/-0.000 χ^2/NDF: 11976539.8/83

- sign 0.000+/-0.000 χ^2/NDF: 7450106.9/42

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.005+/-0.060 χ^2/NDF: 24.1/19

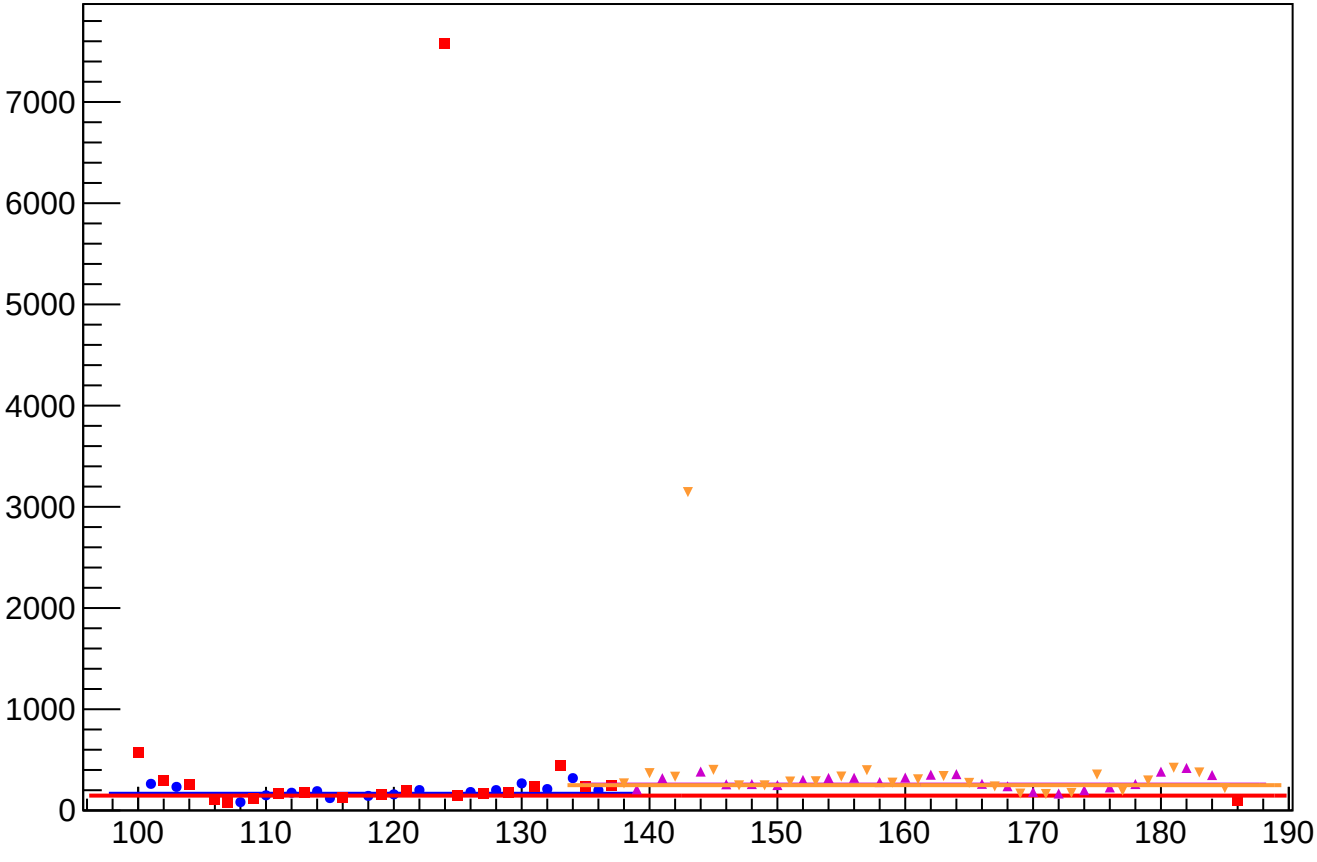
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.009+/-0.045 χ^2/NDF: 31.8/40

All: -0.018+/-0.031 χ^2/NDF: 89.4/83

- sign -0.043+/-0.043 χ^2/NDF: 56.9/42

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

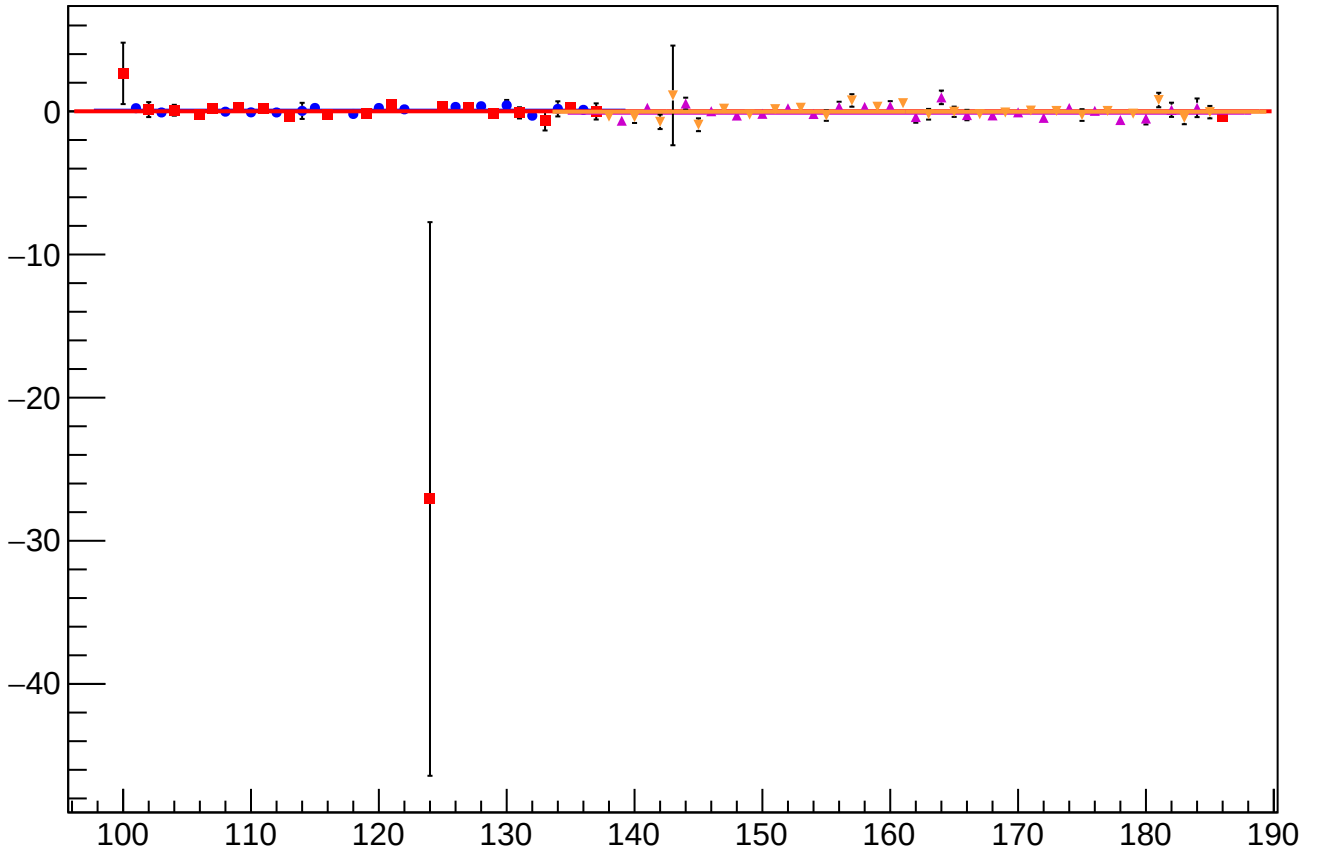
Right Out: 146.661+/-0.042 χ^2/NDF: 2133357.3/19

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 210.529+/-0.032 χ^2/NDF: 7469409.4/40

All: 204.126+/-0.022 χ^2/NDF: 14916486.8/83

- sign 198.215+/-0.031 χ^2/NDF: 7369787.1/42



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.005+/-0.060 χ^2/NDF: 24.1/19

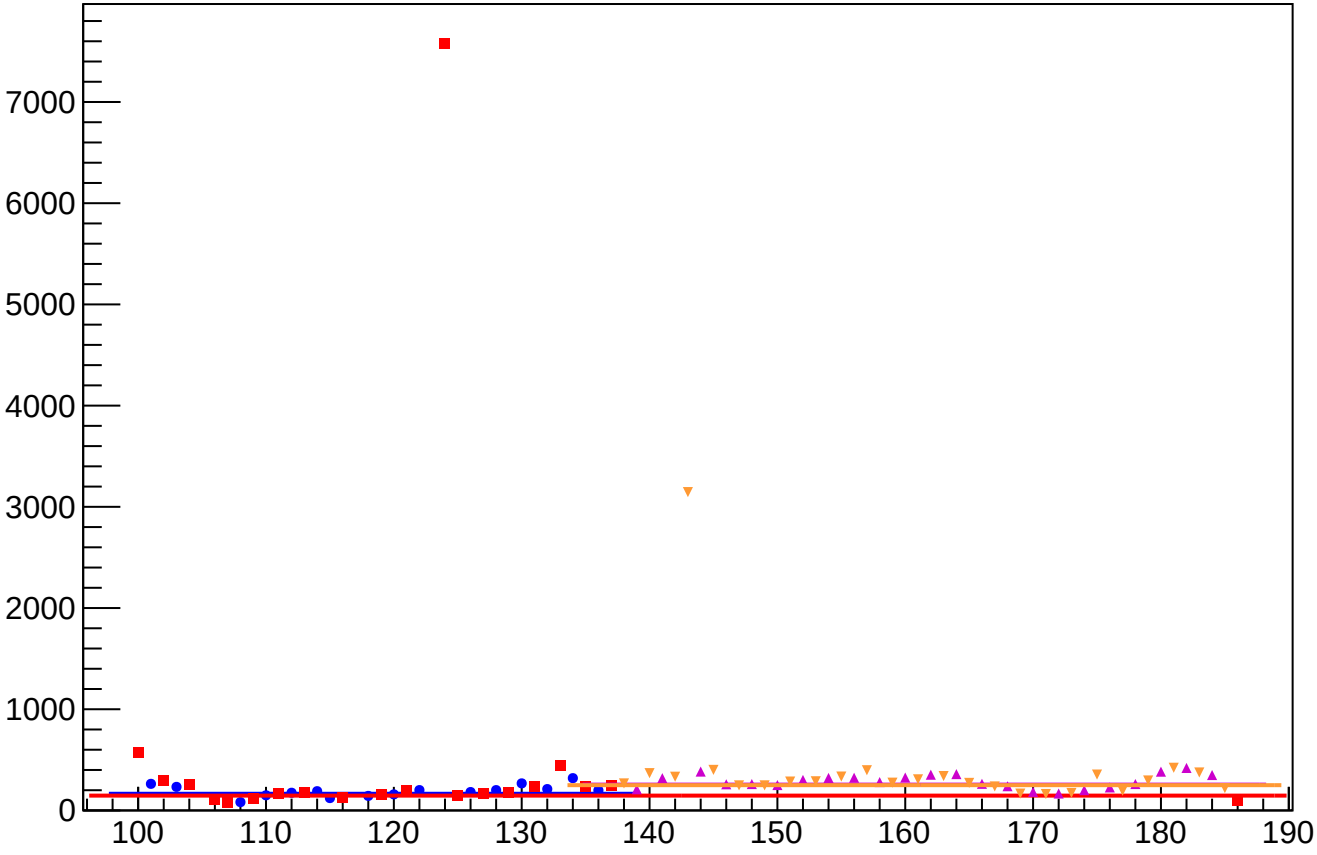
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.009+/-0.045 χ^2/NDF: 31.8/40

All: -0.018+/-0.031 χ^2/NDF: 89.4/83

- sign -0.043+/-0.043 χ^2/NDF: 56.9/42

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

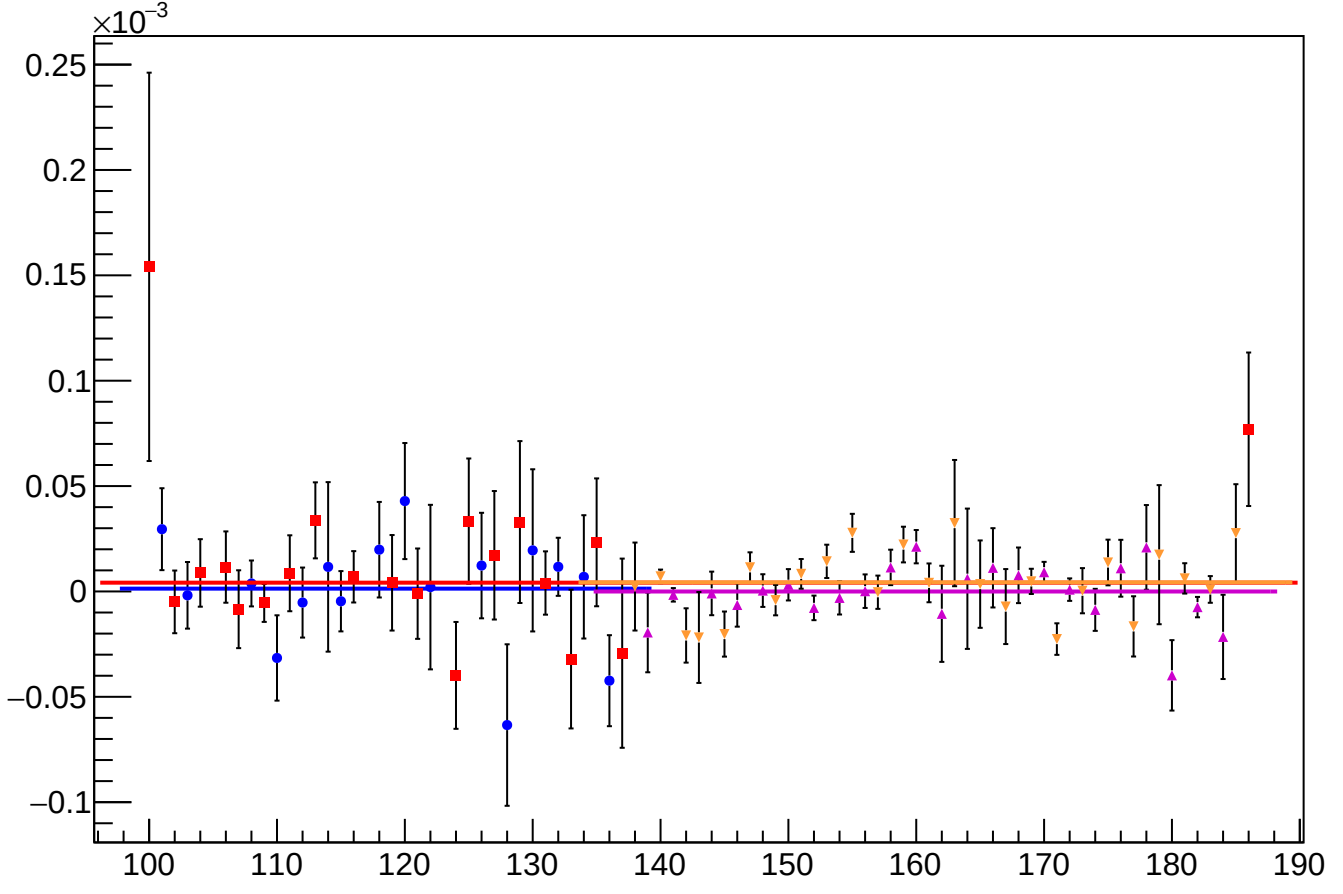
Right Out: 146.661+/-0.042 χ^2/NDF: 2133357.3/19

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 210.529+/-0.032 χ^2/NDF: 7469409.4/40

All: 204.126+/-0.022 χ^2/NDF: 14916486.8/83

- sign 198.215+/-0.031 χ^2/NDF: 7369787.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/19

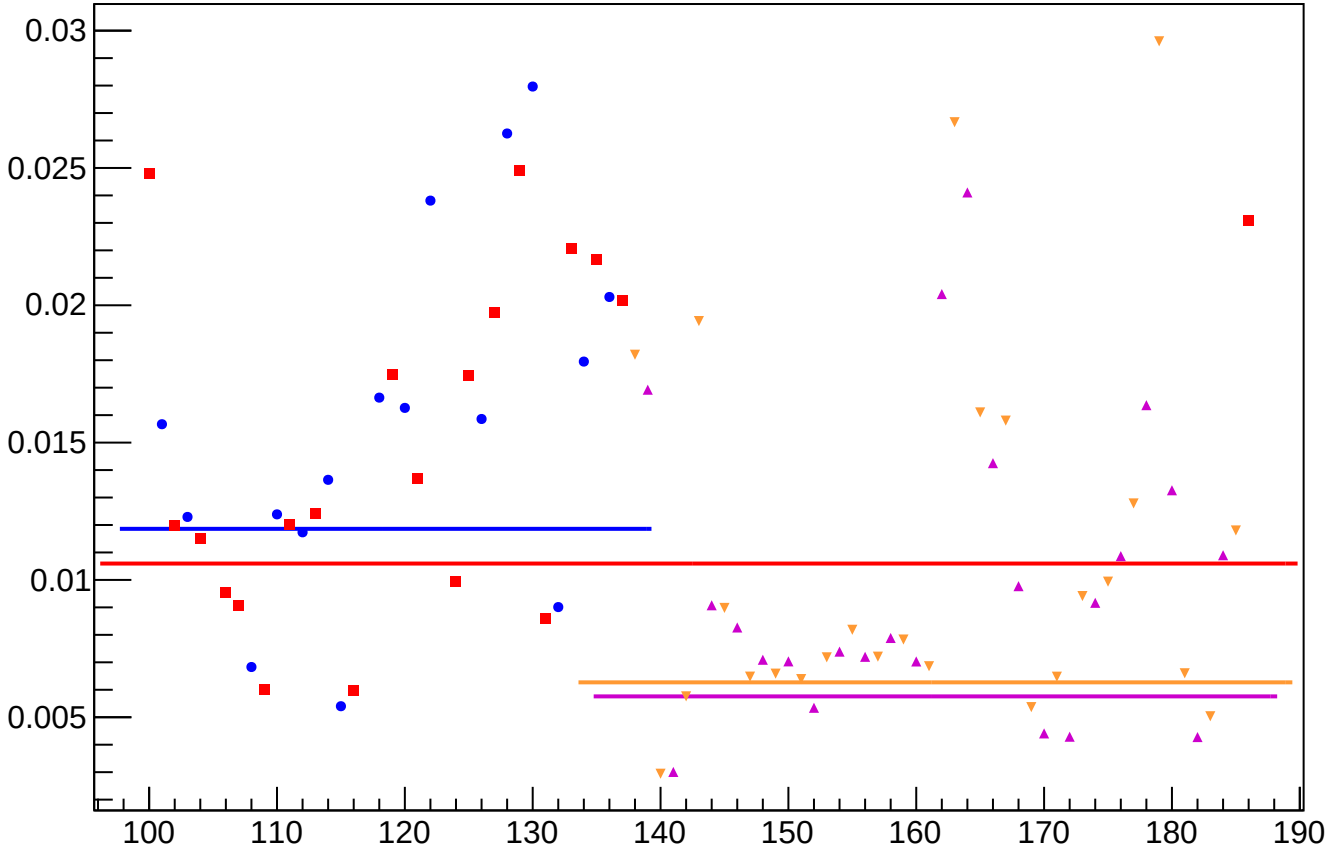
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.5/40

All: 0.000+/-0.000 χ^2/NDF: 113.7/83

- sign 0.000+/-0.000 χ^2/NDF: 48.5/42

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

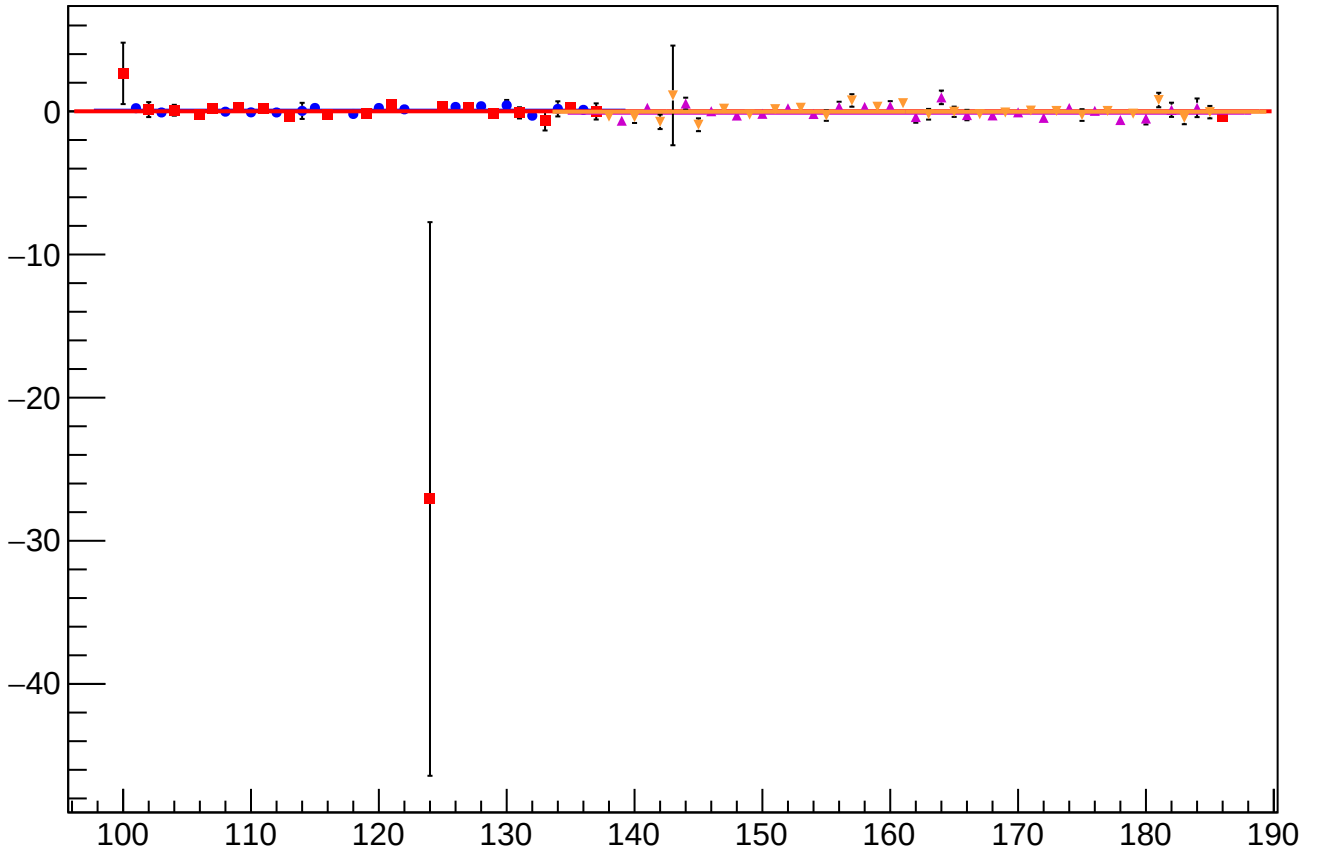
Right Out: 0.011+/-0.000 χ^2/NDF: 2593587.2/19

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 12676990.2/40

All: 0.007+/-0.000 χ^2/NDF: 24769384.1/83

- sign 0.006+/-0.000 χ^2/NDF: 11989476.6/42



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.005+/-0.060 χ^2/NDF: 24.1/19

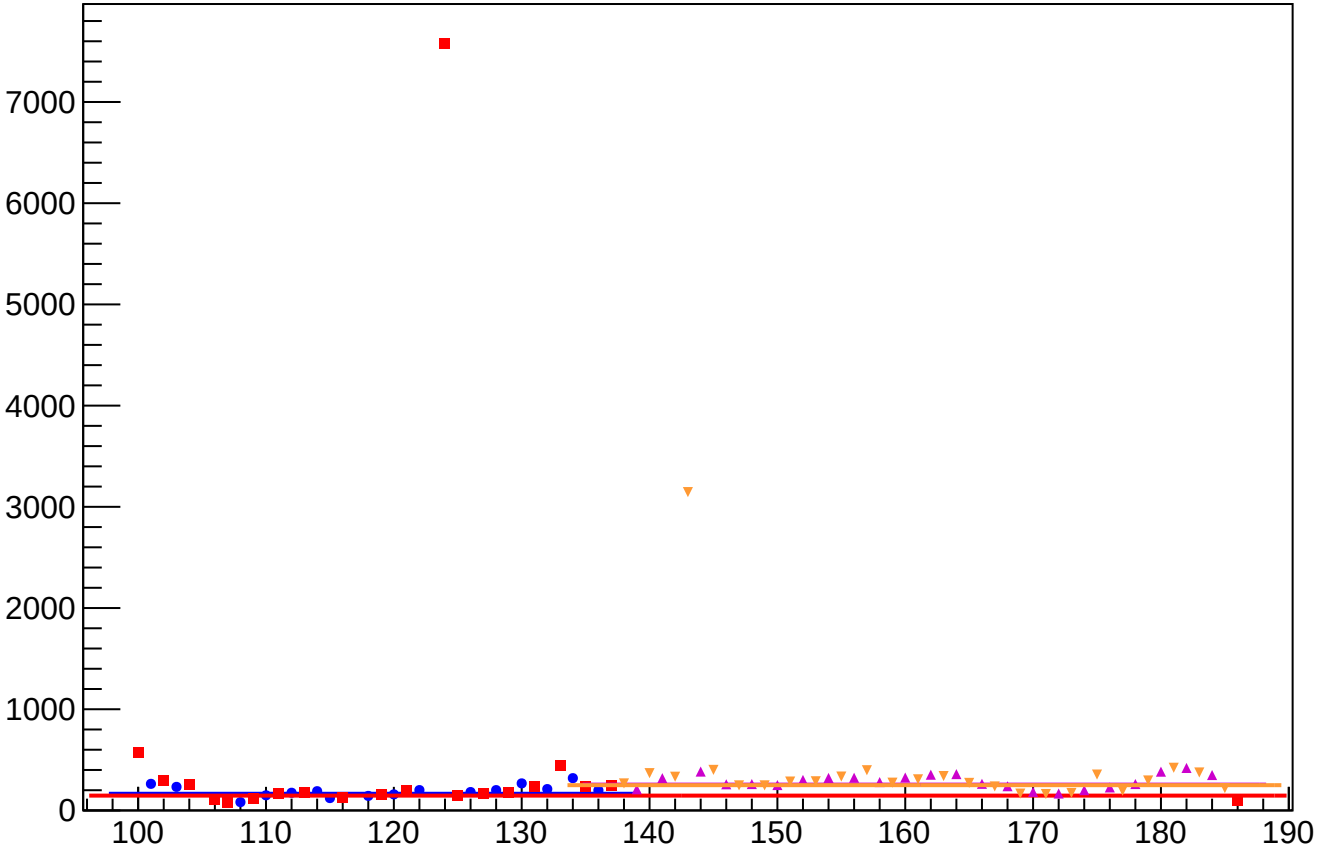
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

\+ sign 0.009+/-0.045 χ^2/NDF: 31.8/40

All: -0.018+/-0.031 χ^2/NDF: 89.4/83

\- sign -0.043+/-0.043 χ^2/NDF: 56.9/42

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

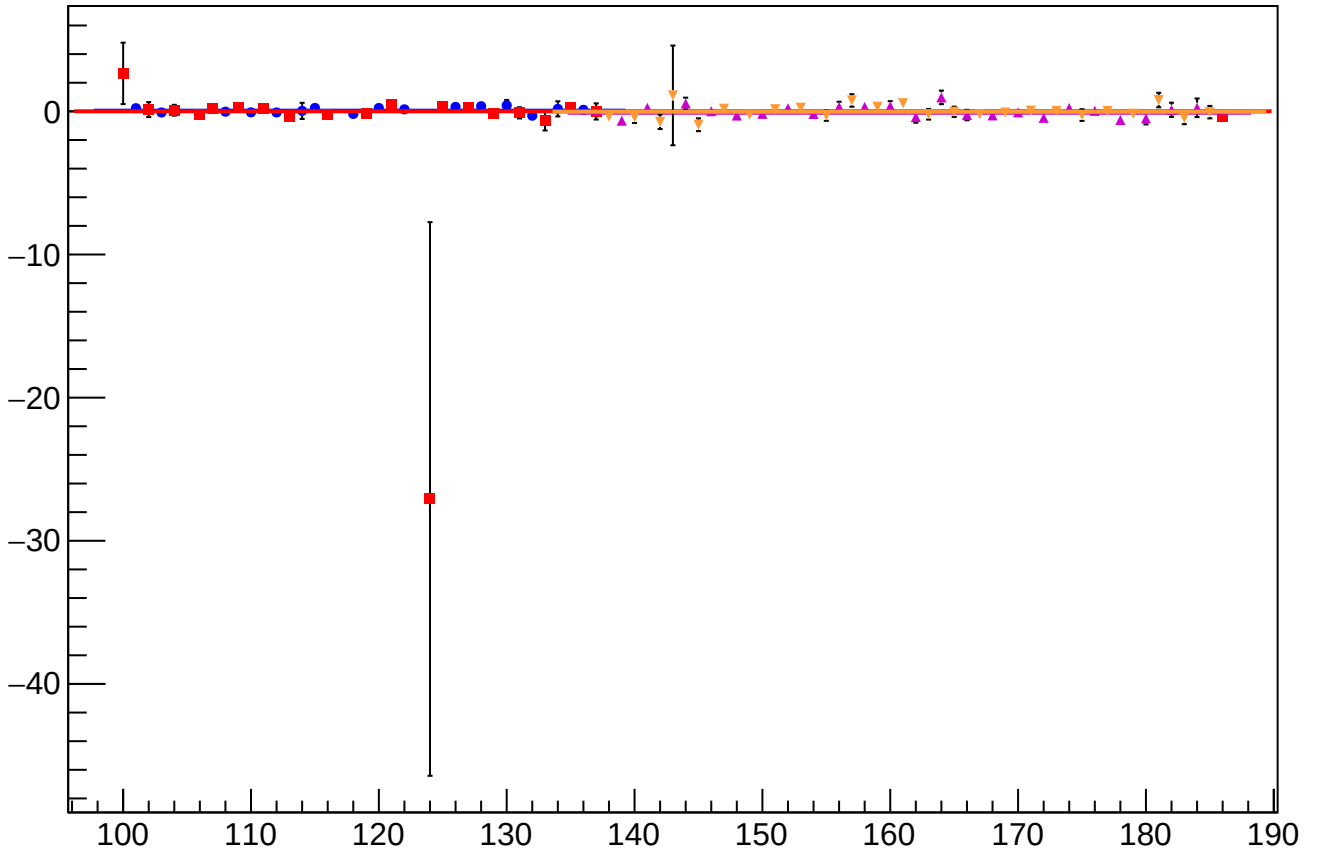
Right Out: 146.662+/-0.042 χ^2/NDF: 2133326.9/19

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 210.529+/-0.032 χ^2/NDF: 7469546.3/40

All: 204.127+/-0.022 χ^2/NDF: 14916643.4/83

- sign 198.216+/-0.031 χ^2/NDF: 7369820.9/42



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

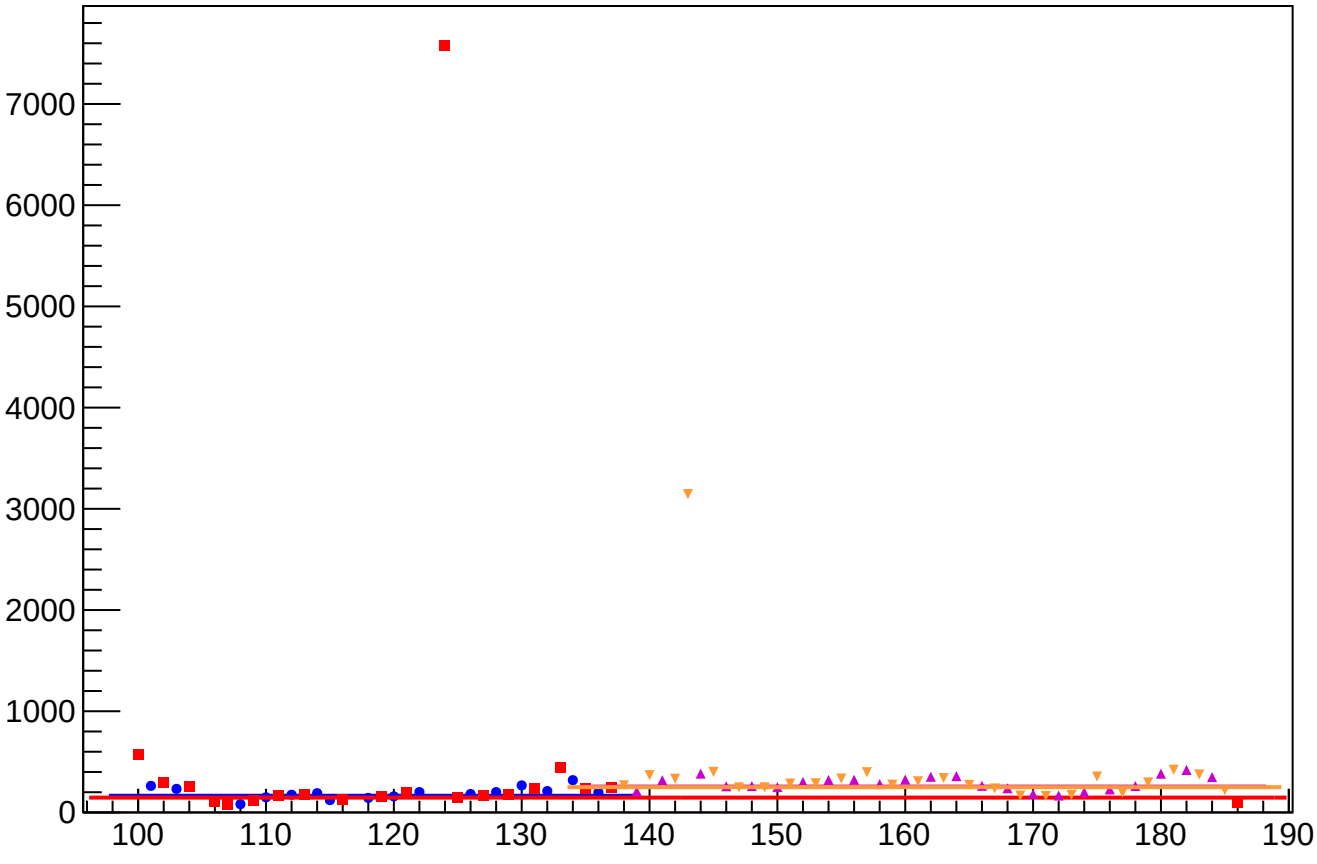
Right Out: 0.005+/-0.060 χ^2/NDF: 24.1/19

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

\+ sign 0.009+/-0.045 χ^2/NDF: 31.8/40

All: -0.018+/-0.031 χ^2/NDF: 89.4/83

\- sign -0.043+/-0.043 χ^2/NDF: 56.9/42



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

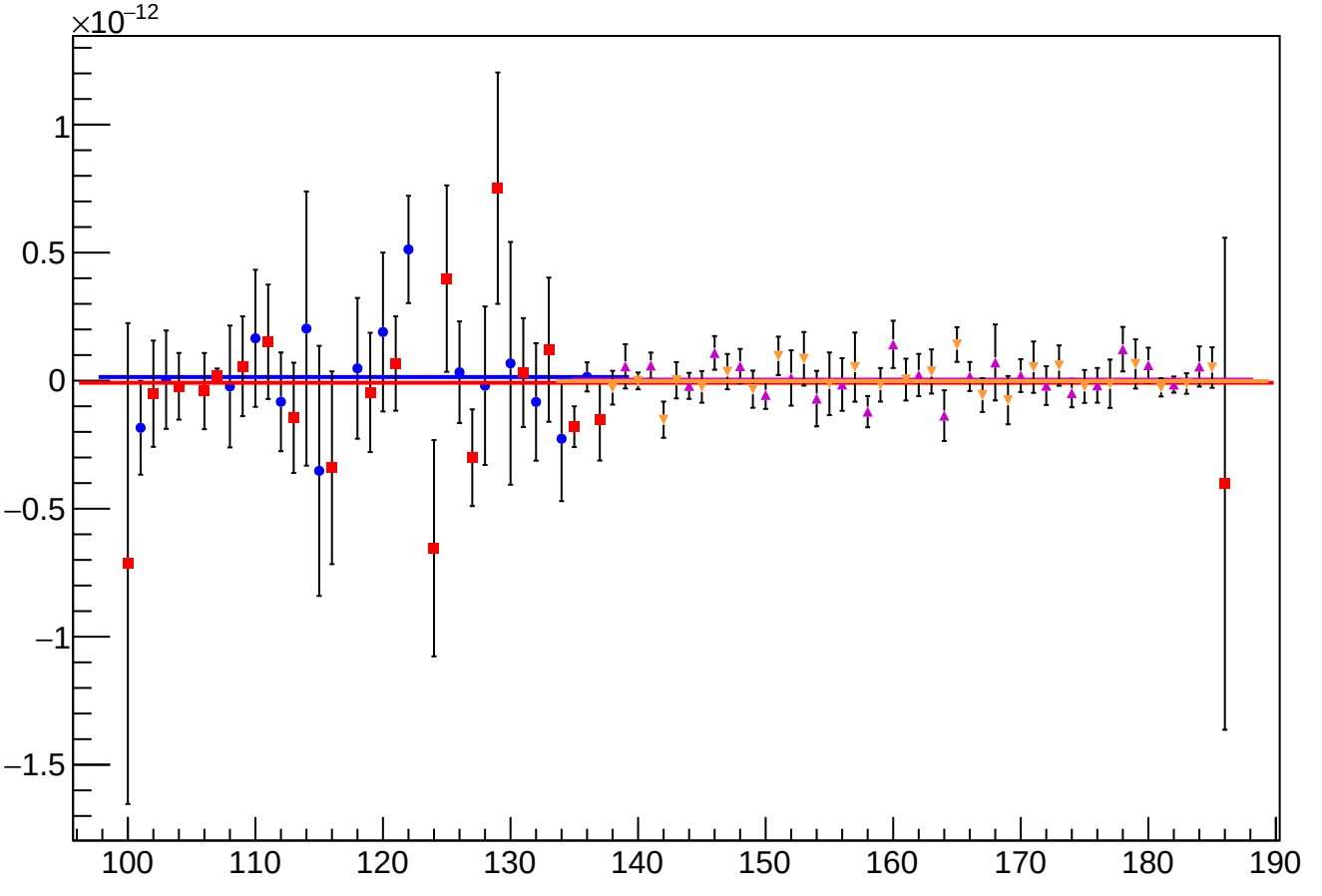
Right Out: 146.662+/-0.042 χ^2/NDF: 2133326.9/19

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 210.529+/-0.032 χ^2/NDF: 7469546.3/40

All: 204.127+/-0.022 χ^2/NDF: 14916643.4/83

- sign 198.216+/-0.031 χ^2/NDF: 7369820.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

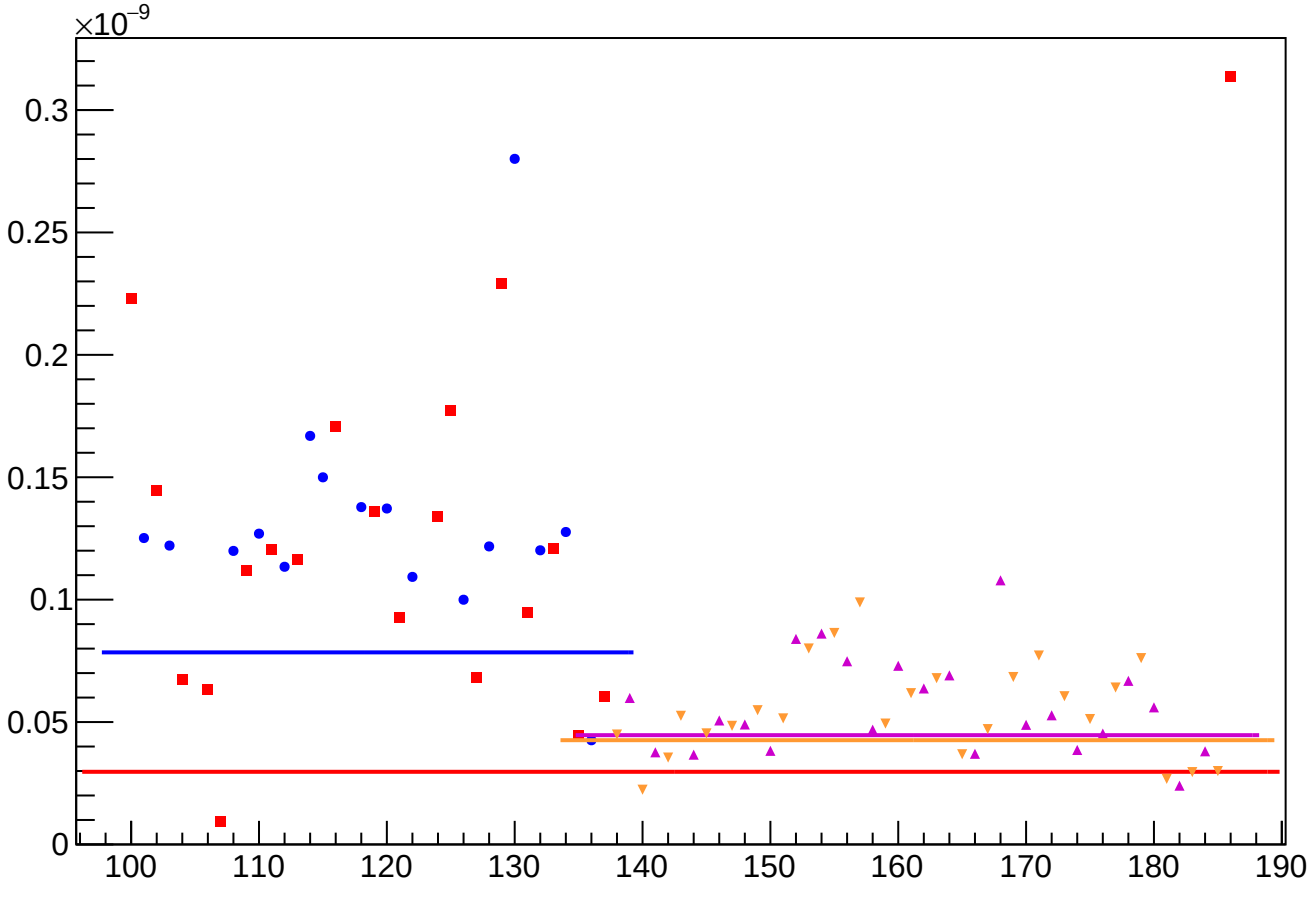
Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/19

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 26.1/40

All: 0.000+/-0.000 χ^2/NDF: 64.7/83

- sign 0.000+/-0.000 χ^2/NDF: 38.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5662029.4/19

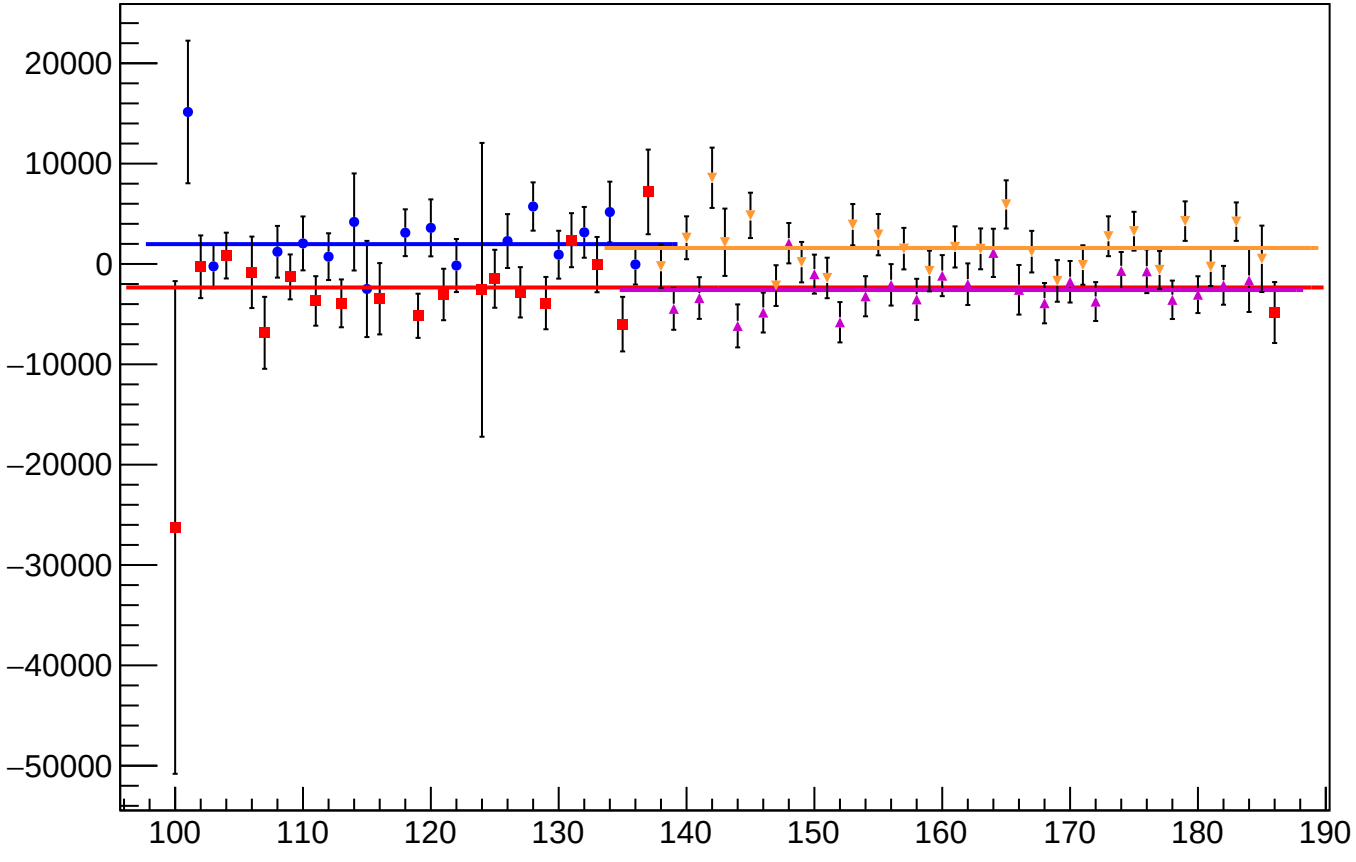
Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7061145.0/40

All: 0.000+/-0.000 χ^2/NDF: 16389346.9/83

- sign 0.000+/-0.000 χ^2/NDF: 9164029.8/42

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2342.759+/-641.486 χ^2/NDF: 19.7/19

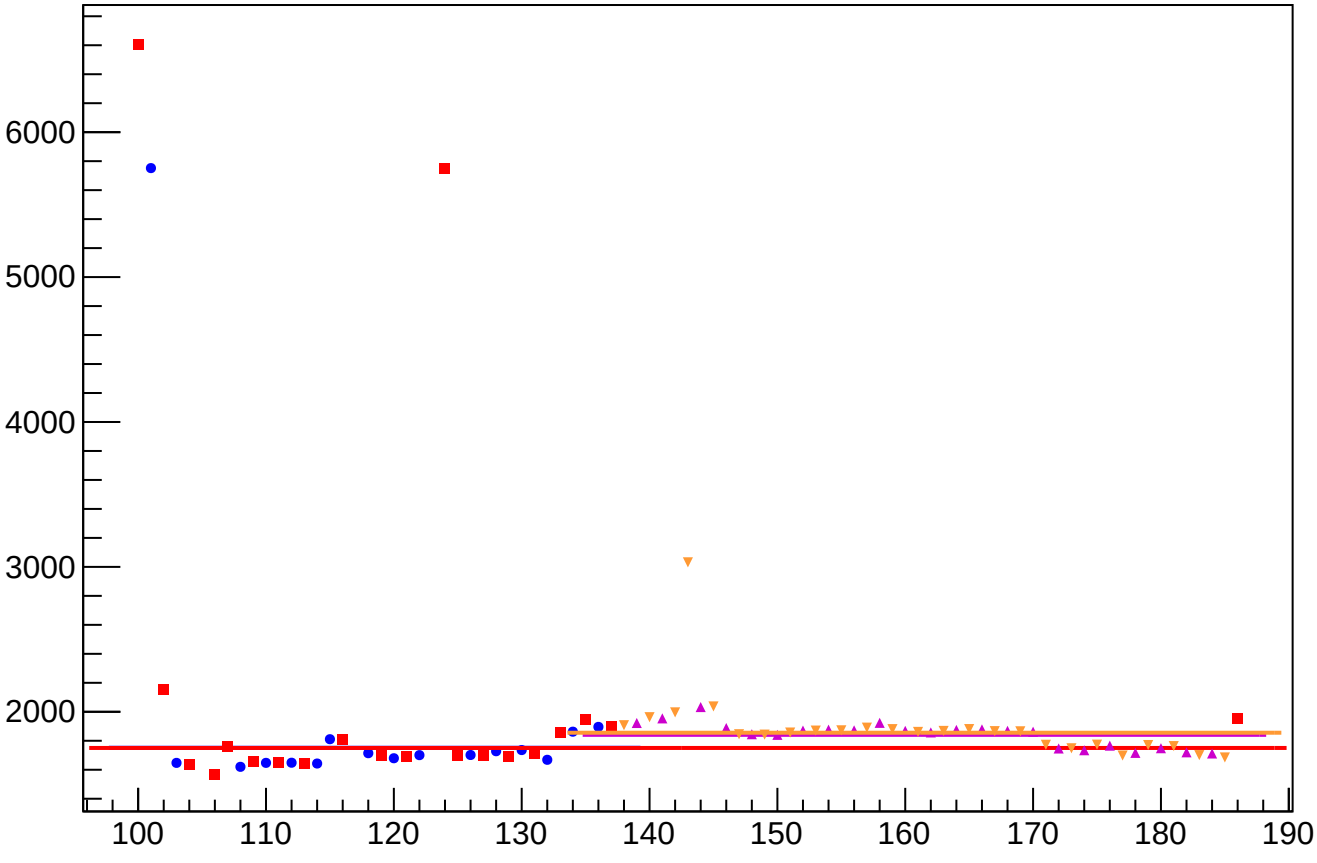
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1702.503+/-357.510 χ^2/NDF: 43.6/40

All: -409.020+/-252.740 χ^2/NDF: 153.2/83

- sign -2518.615+/-357.347 χ^2/NDF: 39.9/42

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1750.423+/-0.450 χ^2/NDF: 314066.3/19

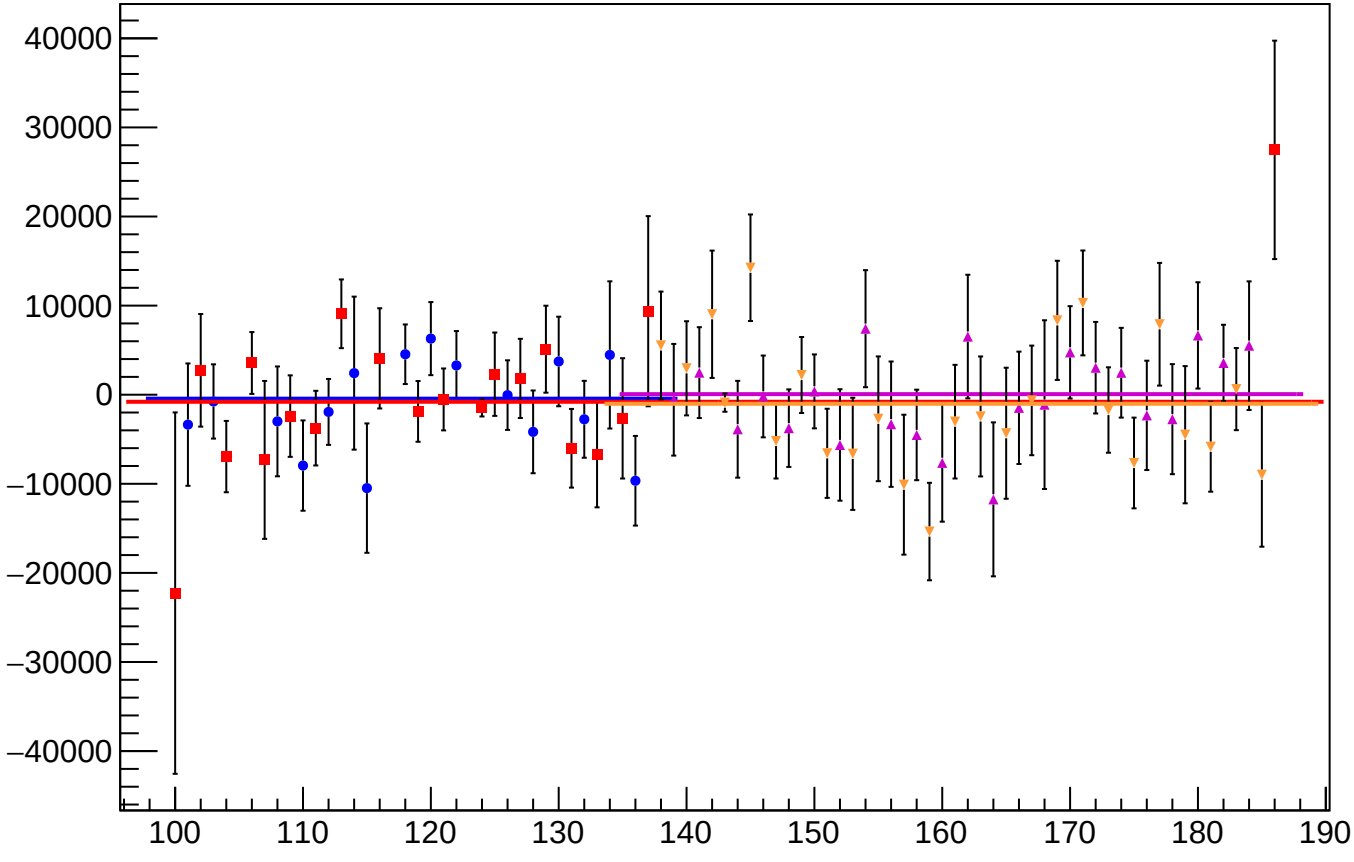
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1825.758+/-0.253 χ^2/NDF: 1029498.0/40

All: 1819.164+/-0.179 χ^2/NDF: 1443664.7/83

- sign 1812.605+/-0.252 χ^2/NDF: 412809.6/42

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -793.130+/-724.468 χ^2/NDF: 25.4/19

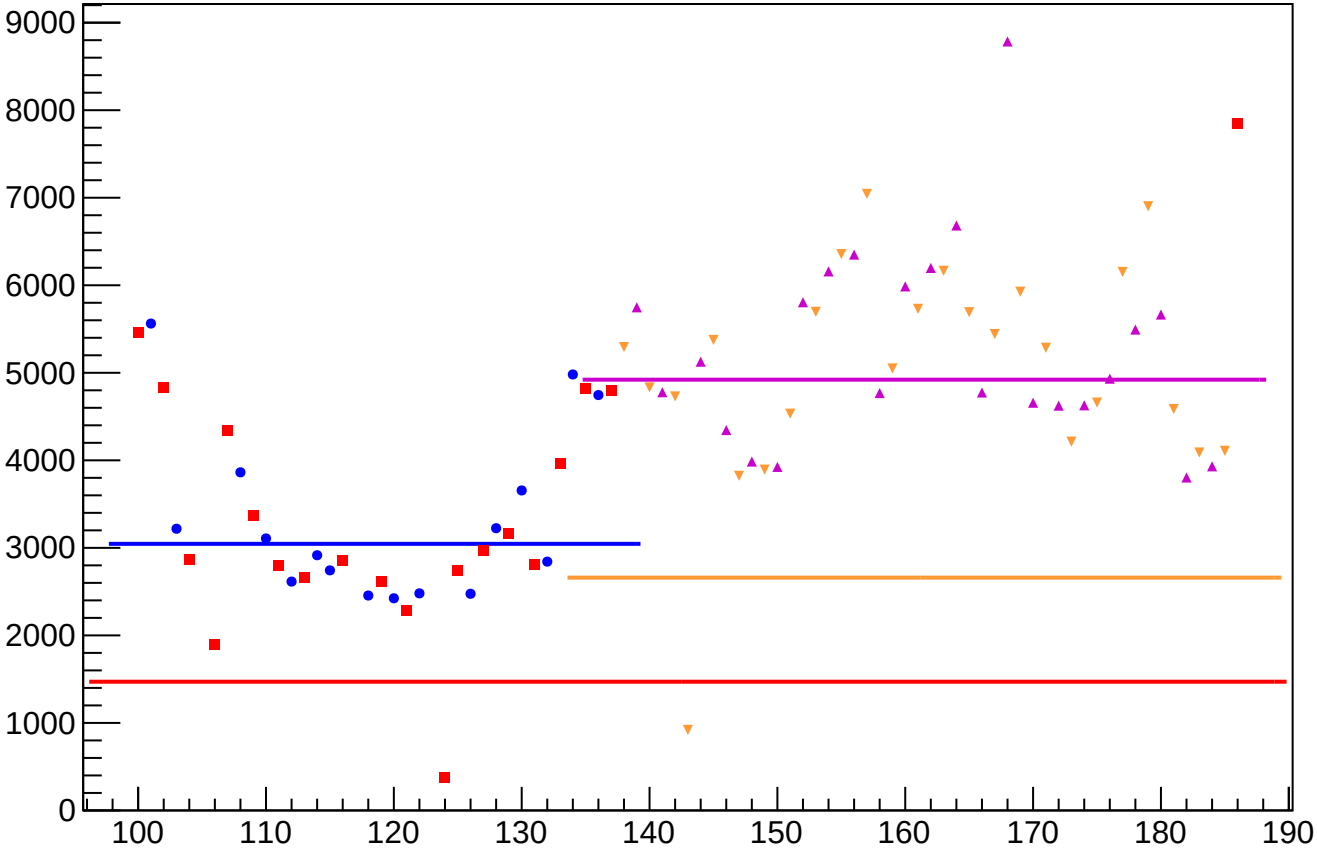
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -845.556+/-645.002 χ^2/NDF: 49.8/40

All: -694.765+/-445.646 χ^2/NDF: 88.8/83

- sign -557.030+/-616.446 χ^2/NDF: 38.8/42

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

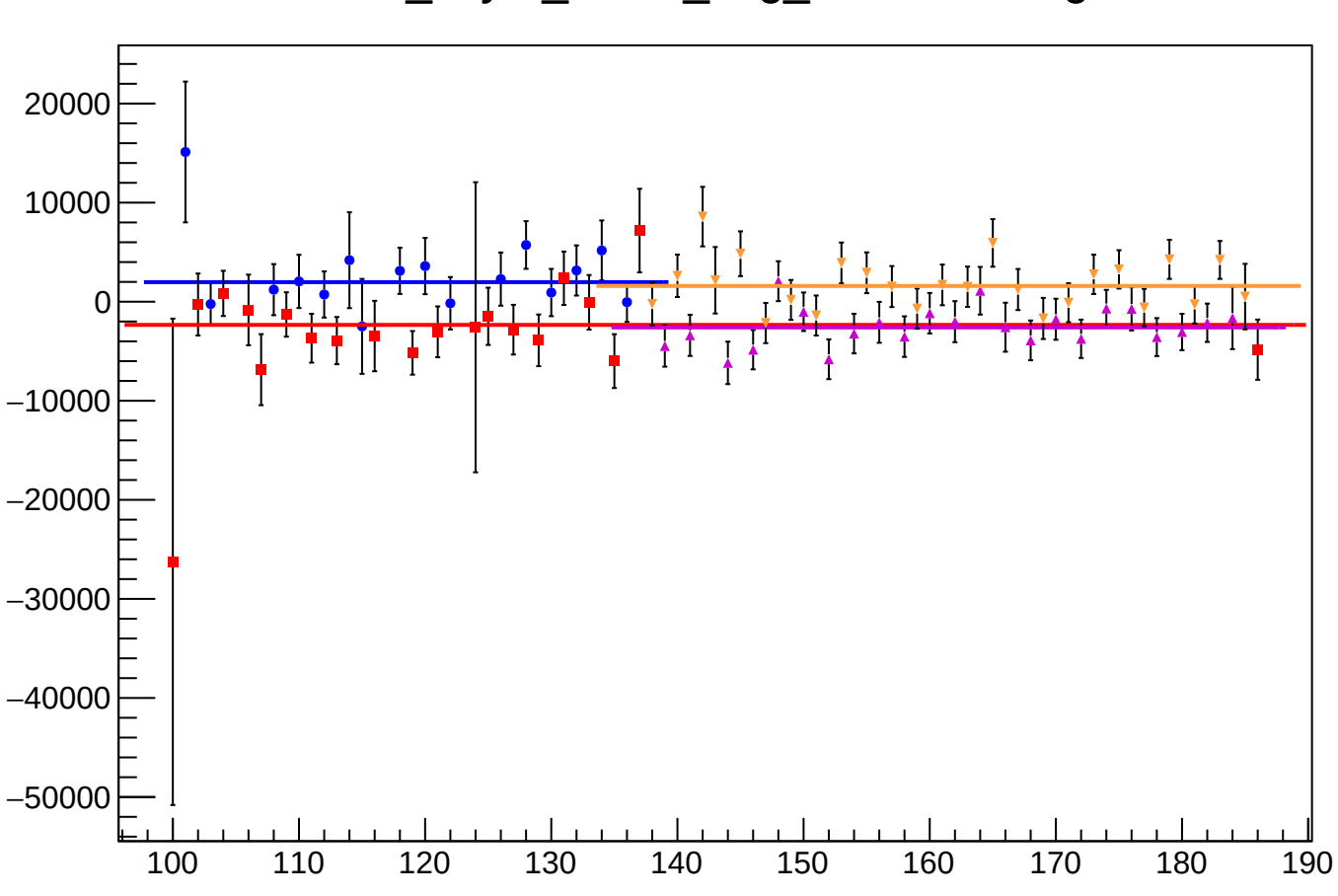
Right Out: 1470.884+/-0.512 χ^2/NDF: 7330662.4/19

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2776.405+/-0.456 χ^2/NDF: 15594268.1/40

All: 2591.775+/-0.315 χ^2/NDF: 37009916.7/8

- sign 2423.132+/-0.436 χ^2/NDF: 21102087.7/42



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2342.846+/-641.486 χ^2/NDF: 19.7/19

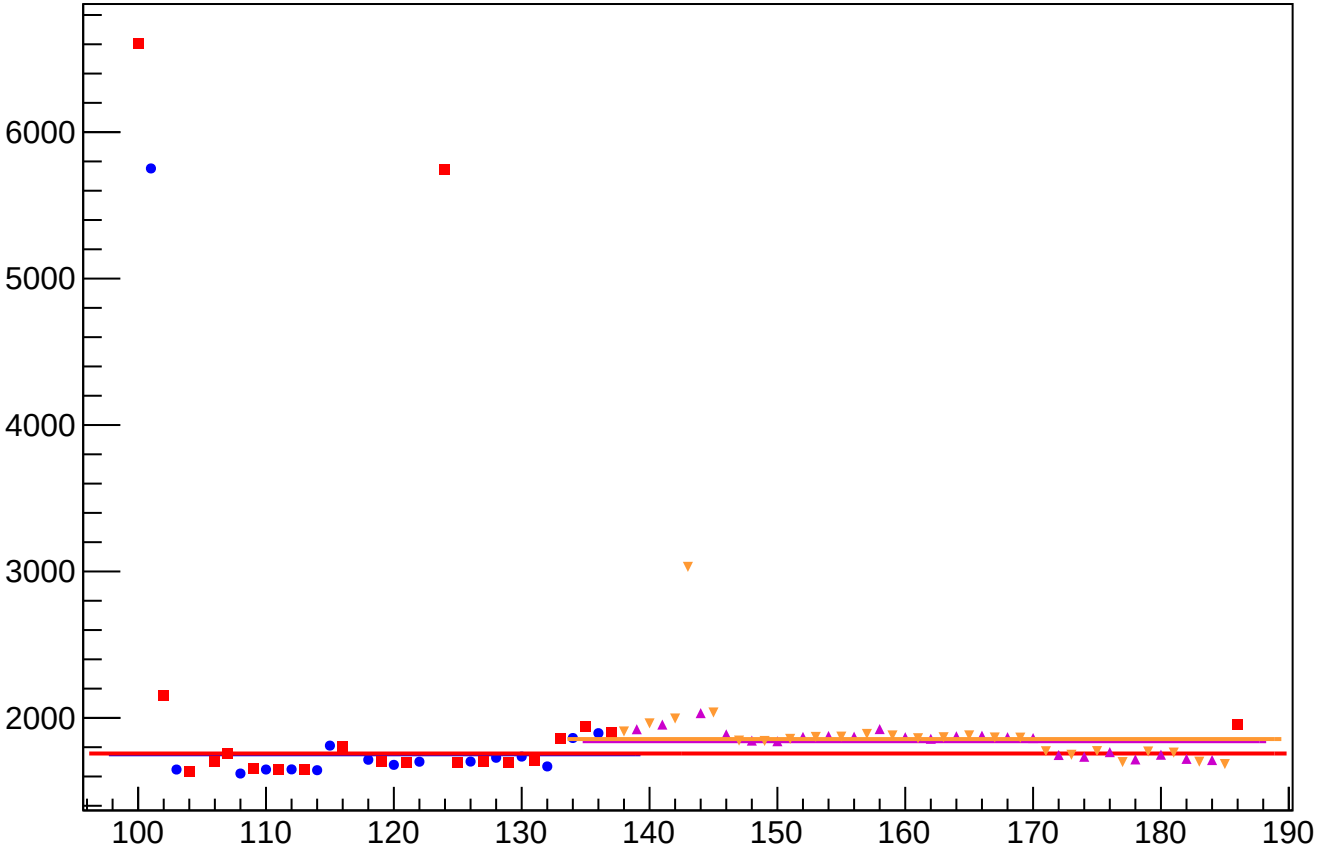
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1702.378+/-357.510 χ^2/NDF: 43.6/40

All: -409.121+/-252.740 χ^2/NDF: 153.2/83

- sign -2518.692+/-357.347 χ^2/NDF: 39.9/42

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1756.924+/-0.452 χ^2/NDF: 306740.6/19

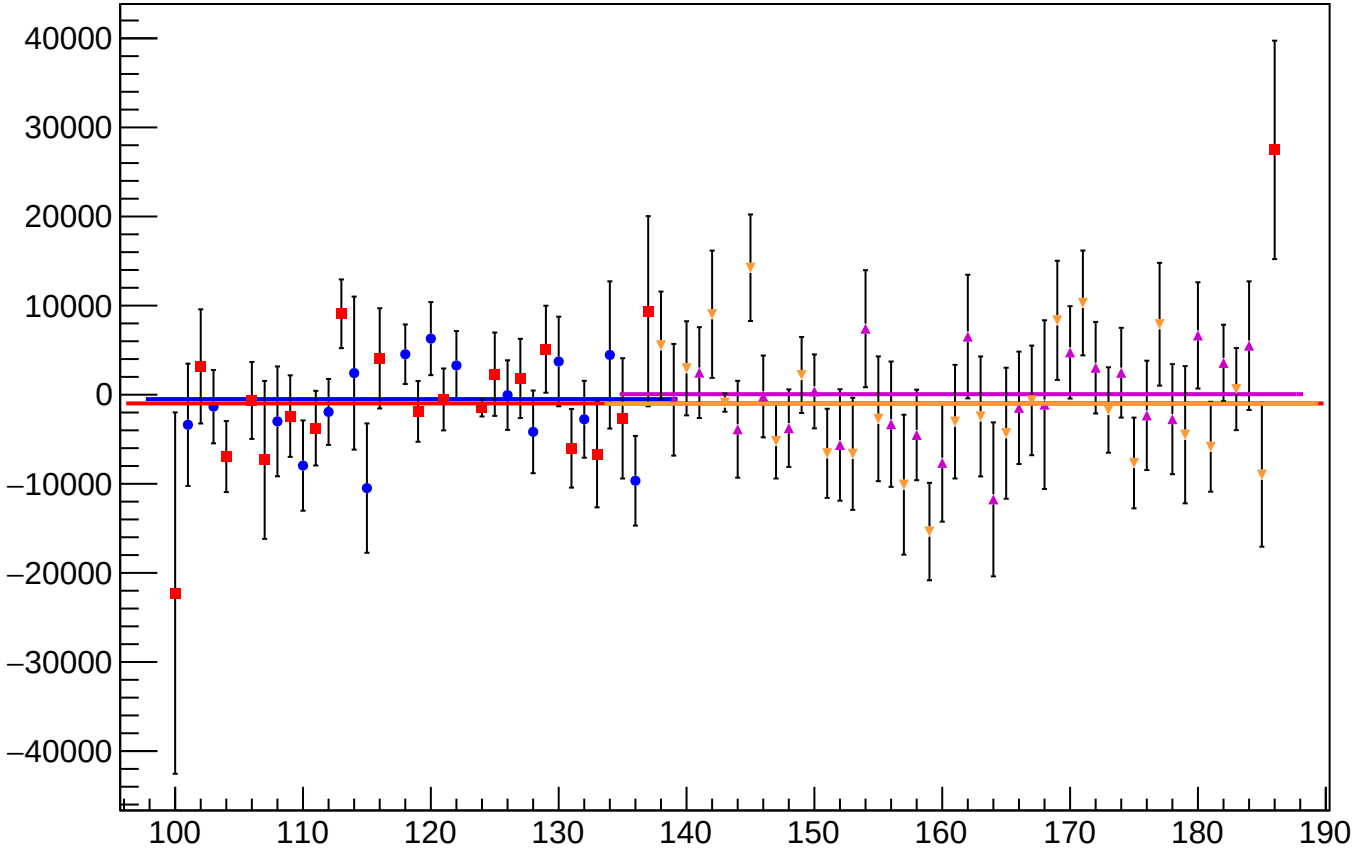
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1825.758+/-0.253 χ^2/NDF: 1029498.4/40

All: 1820.254+/-0.179 χ^2/NDF: 1431972.7/83

- sign 1814.768+/-0.252 χ^2/NDF: 401527.7/42

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -979.584+/-730.159 χ^2/NDF: 23.9/19

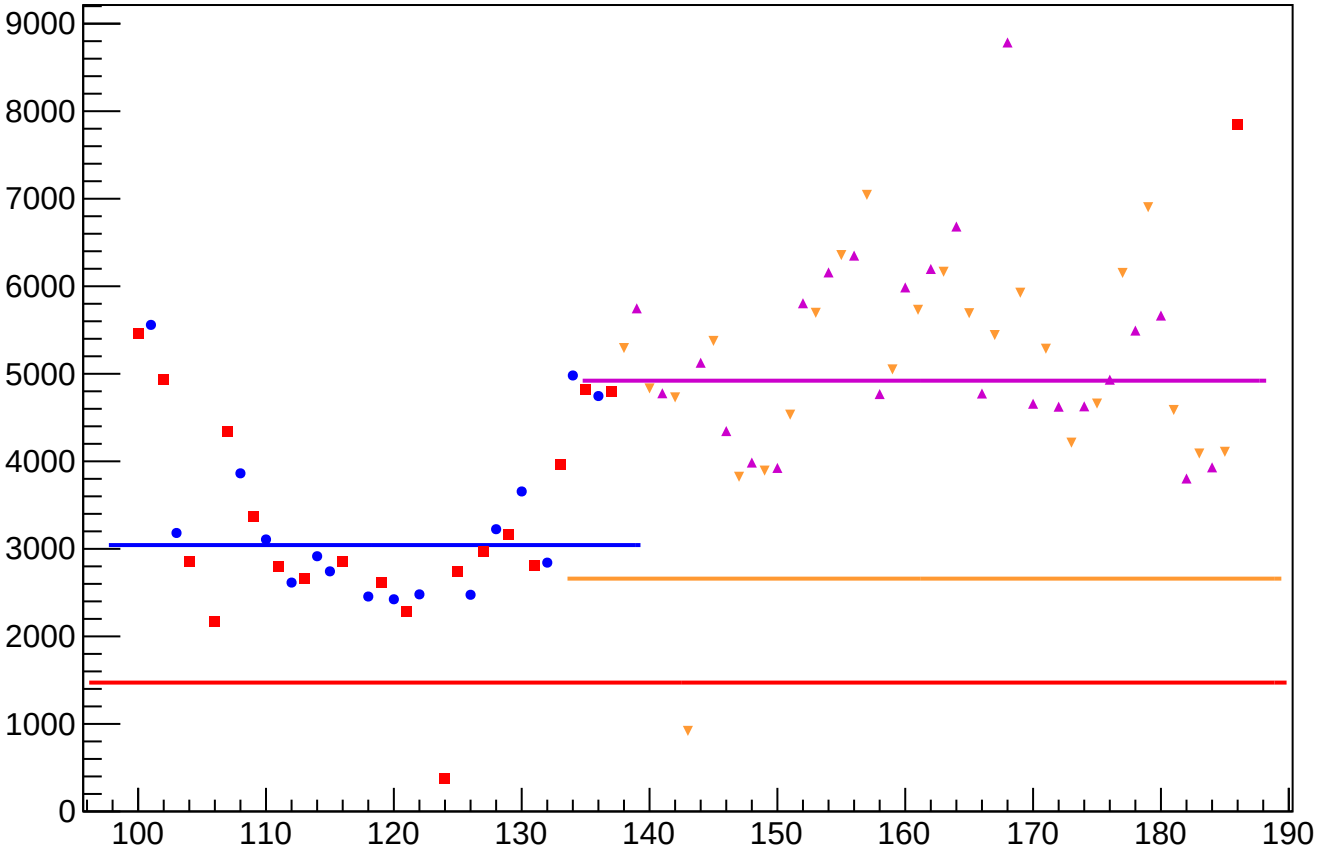
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -859.900+/-644.791 χ^2/NDF: 49.9/40

All: -770.979+/-446.891 χ^2/NDF: 87.4/83

- sign -688.781+/-619.940 χ^2/NDF: 37.5/42

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1472.230+/-0.516 χ^2/NDF: 7369253.6/19

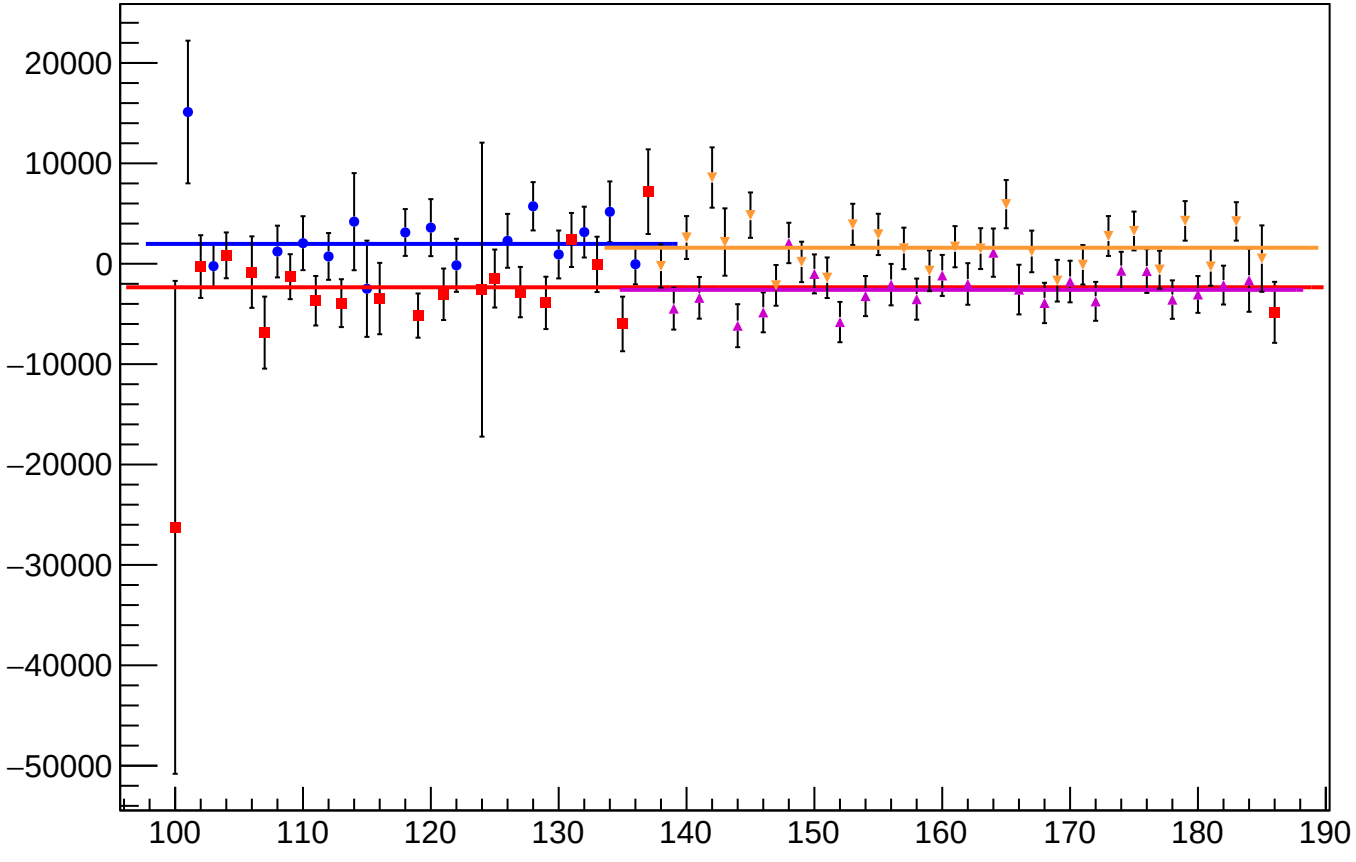
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2775.698+/-0.456 χ^2/NDF: 15591514.9/40

All: 2598.620+/-0.316 χ^2/NDF: 36958482.7/8

- sign 2434.929+/-0.438 χ^2/NDF: 21076688.2/42

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2342.846+/-641.486 χ^2/NDF: 19.7/19

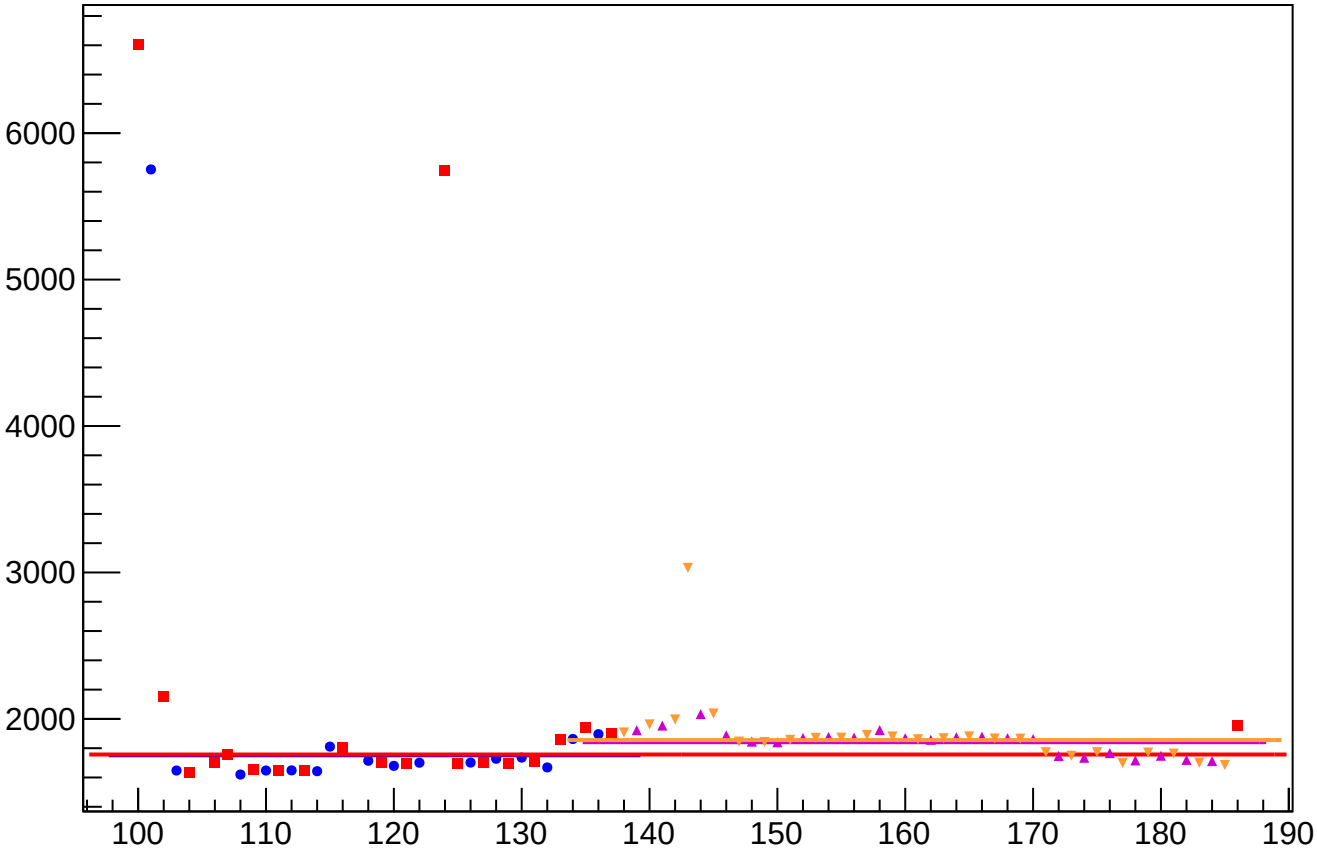
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1702.378+/-357.510 χ^2/NDF: 43.6/40

All: -409.121+/-252.740 χ^2/NDF: 153.2/83

- sign -2518.692+/-357.347 χ^2/NDF: 39.9/42

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

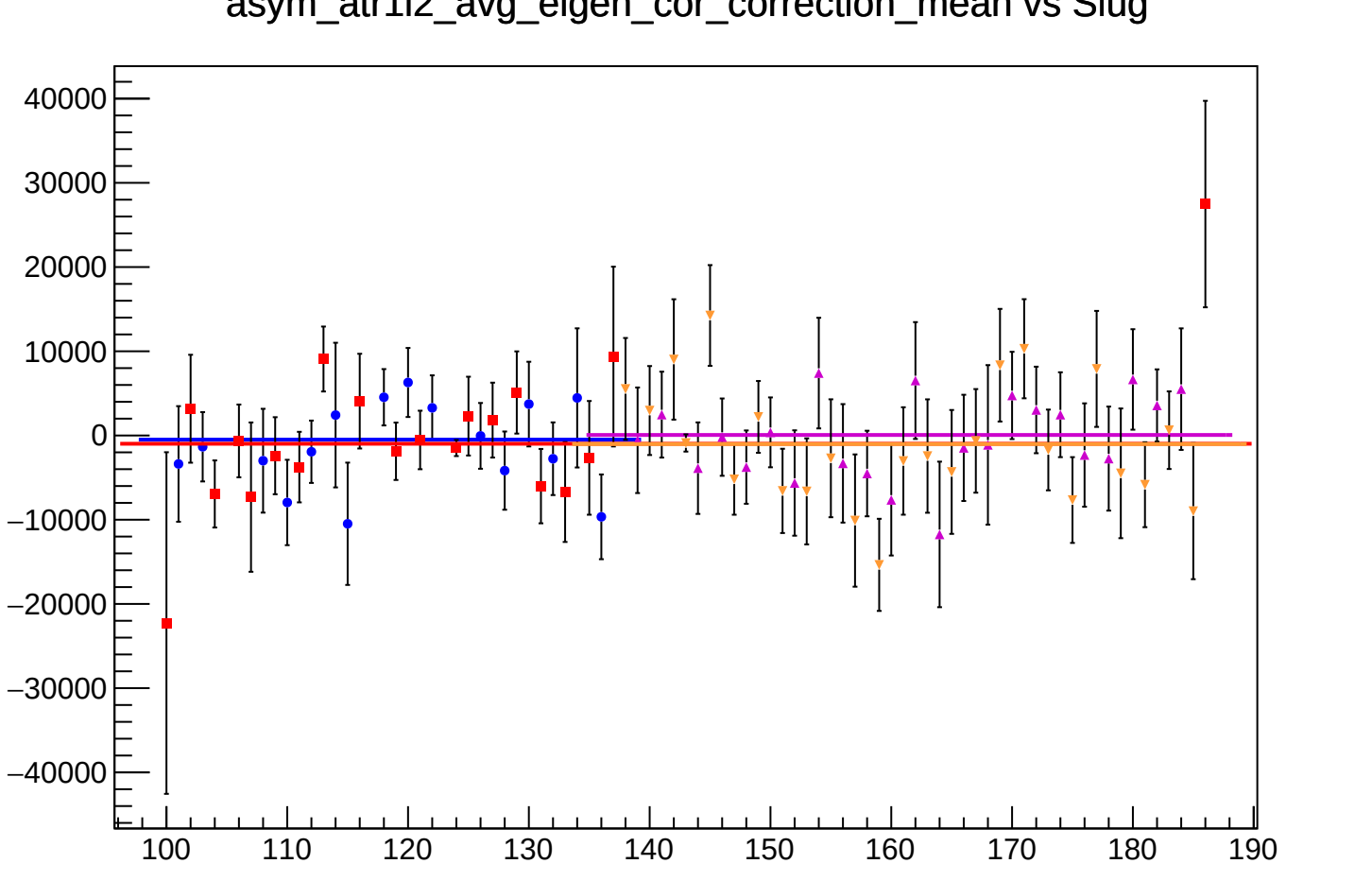
Right Out: 1756.924+/-0.452 χ^2/NDF: 306740.6/19

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1825.758+/-0.253 χ^2/NDF: 1029498.4/40

All: 1820.254+/-0.179 χ^2/NDF: 1431972.7/83

- sign 1814.768+/-0.252 χ^2/NDF: 401527.7/42



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -979.584+/-730.159 χ^2/NDF: 23.9/19

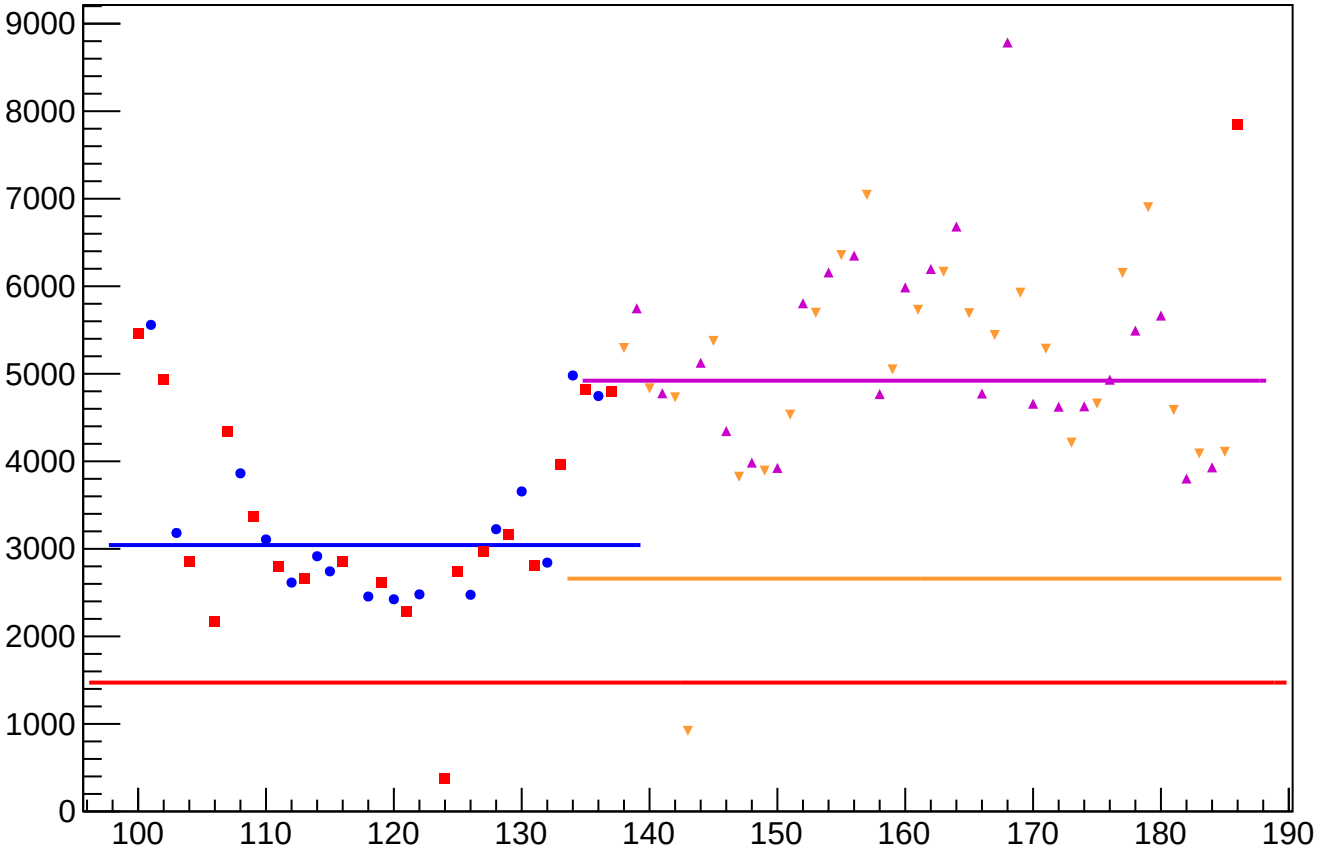
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -859.900+/-644.791 χ^2/NDF: 49.9/40

All: -770.979+/-446.891 χ^2/NDF: 87.4/83

- sign -688.781+/-619.940 χ^2/NDF: 37.5/42

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1472.230+/-0.516 χ^2/NDF: 7369253.6/19

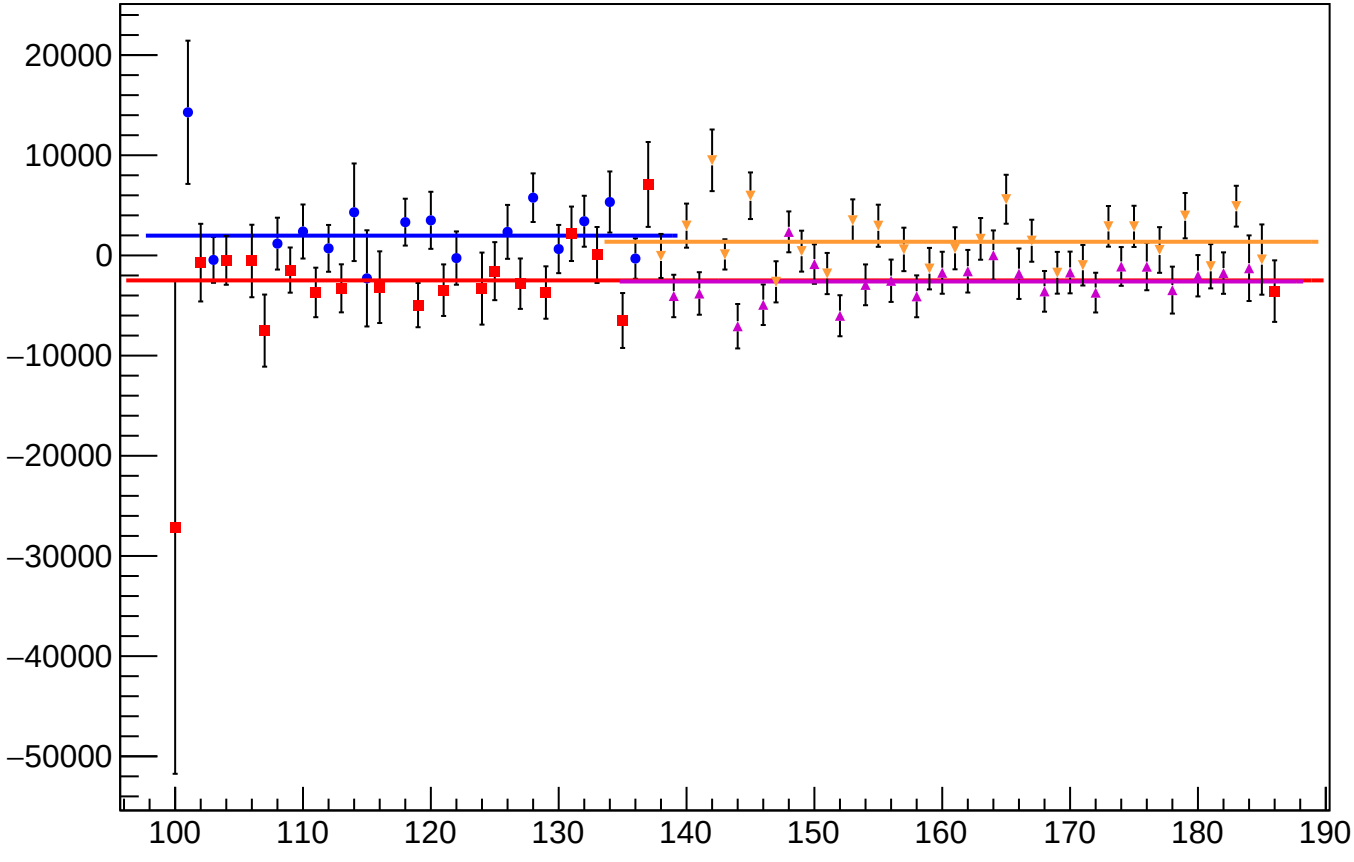
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2775.698+/-0.456 χ^2/NDF: 15591514.9/40

All: 2598.620+/-0.316 χ^2/NDF: 36958482.7/8

- sign 2434.929+/-0.438 χ^2/NDF: 21076688.2/42

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2493.182+/-643.110 χ^2/NDF: 17.6/19

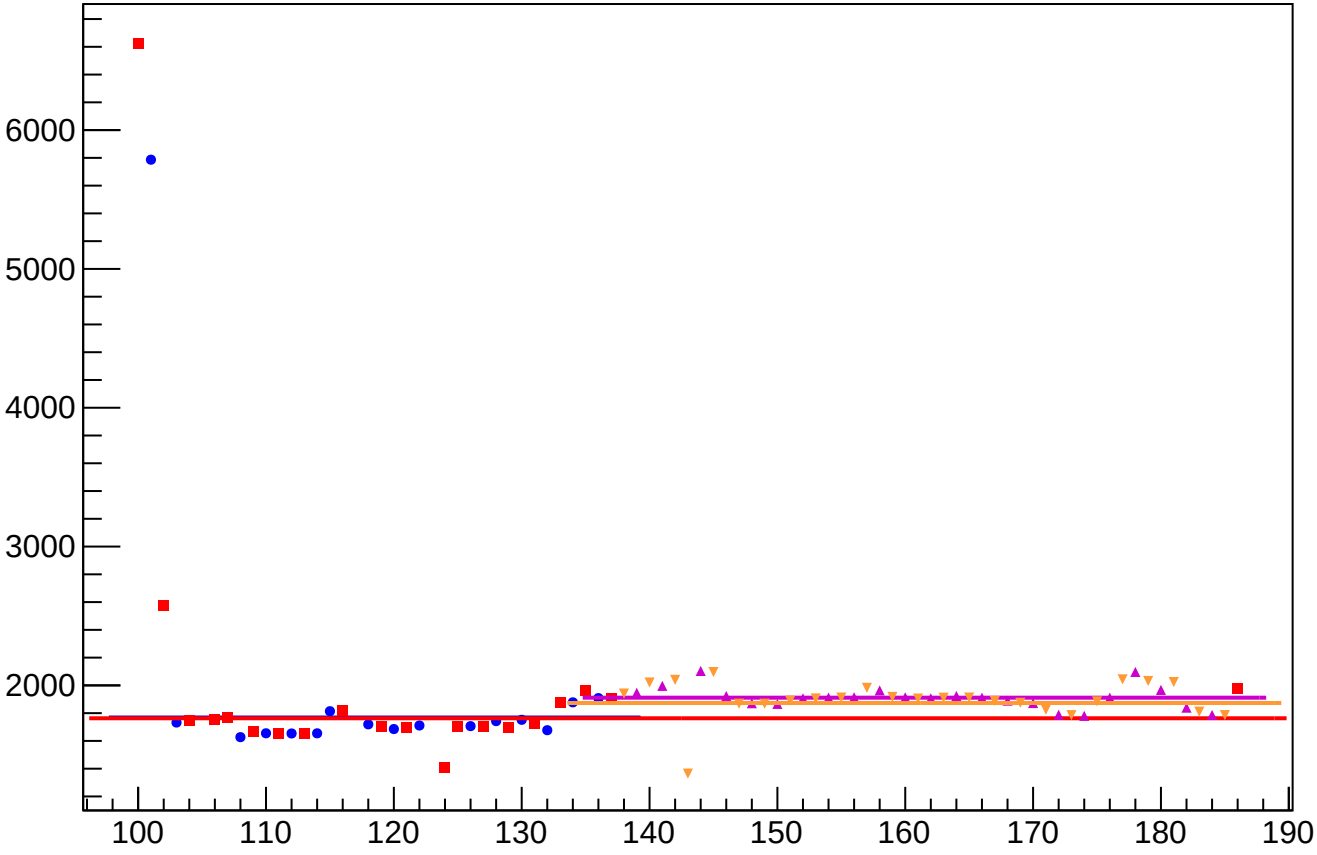
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1539.308+/-360.919 χ^2/NDF: 49.1/40

All: -480.158+/-257.298 χ^2/NDF: 150.5/83

- sign -2567.145+/-366.903 χ^2/NDF: 37.7/42

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1763.099+/-0.454 χ^2/NDF: 228930.0/19

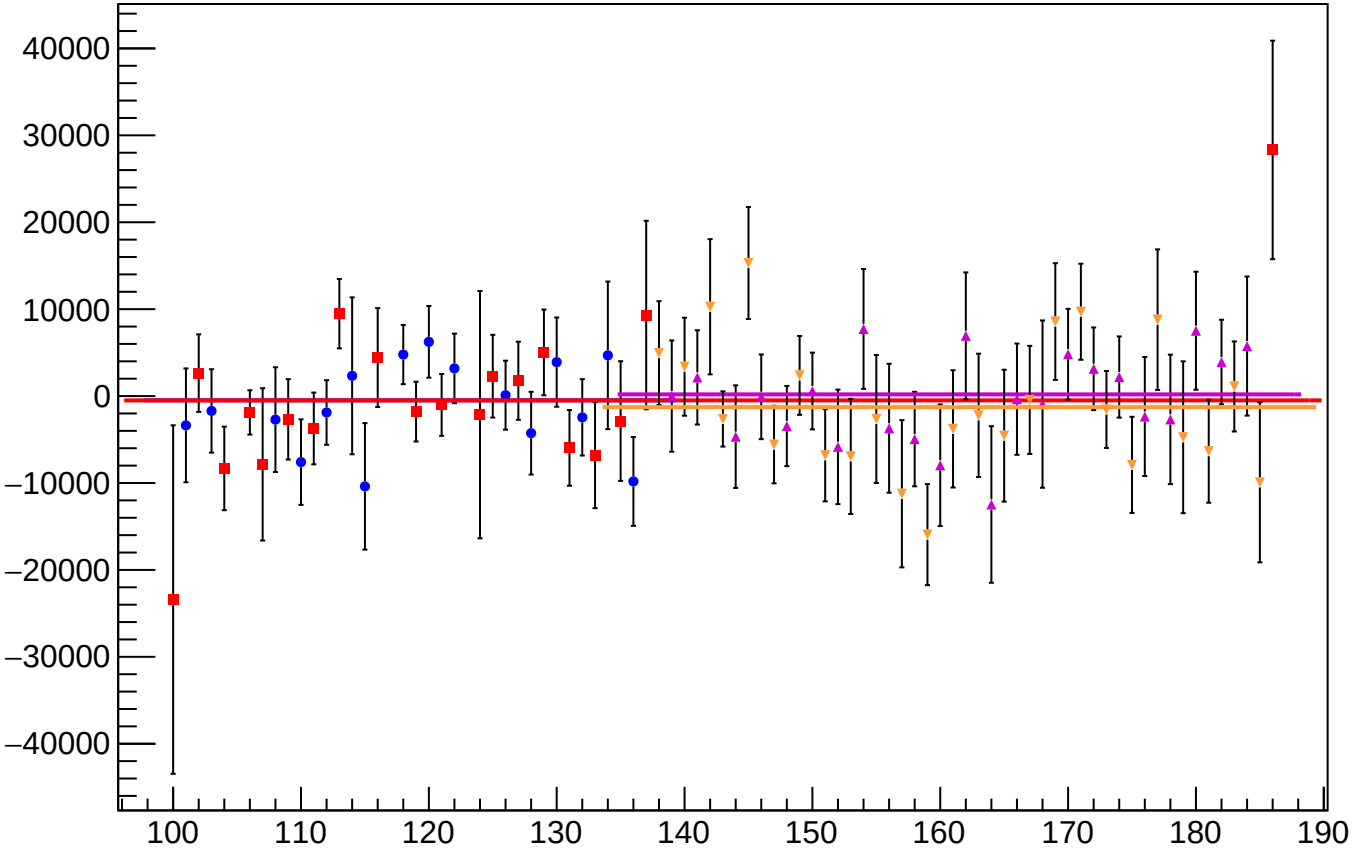
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1843.163+/-0.255 χ^2/NDF: 1011517.0/40

All: 1852.917+/-0.182 χ^2/NDF: 1374559.5/83

- sign 1862.980+/-0.259 χ^2/NDF: 360074.7/42

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -494.688+/-1065.617 χ^2/NDF: 24.1/19

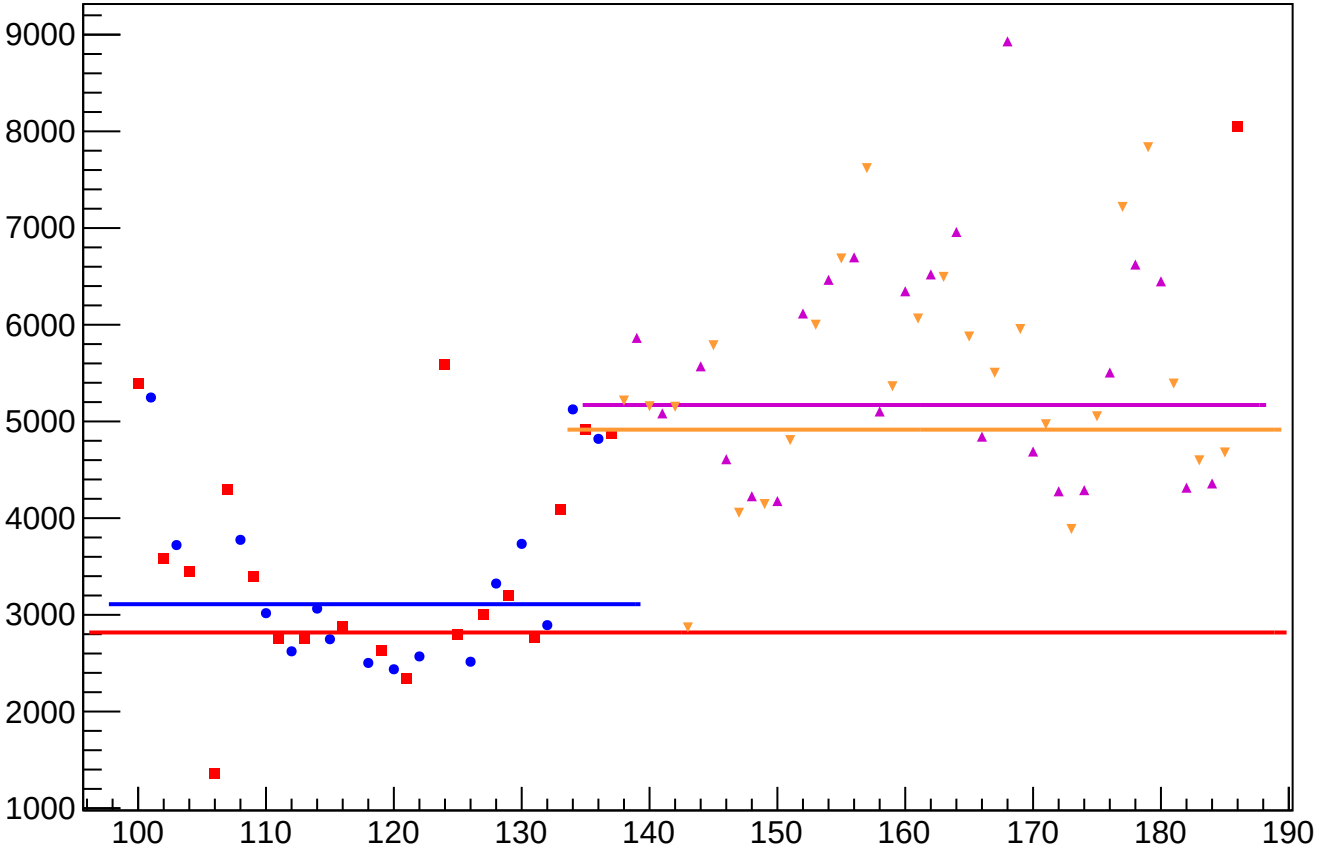
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -892.994+/-832.086 χ^2/NDF: 49.4/40

All: -535.444+/-579.178 χ^2/NDF: 86.8/83

- sign -199.404+/-806.669 χ^2/NDF: 37.0/42

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 2817.513+/-0.754 χ^2/NDF: 1697270.7/19

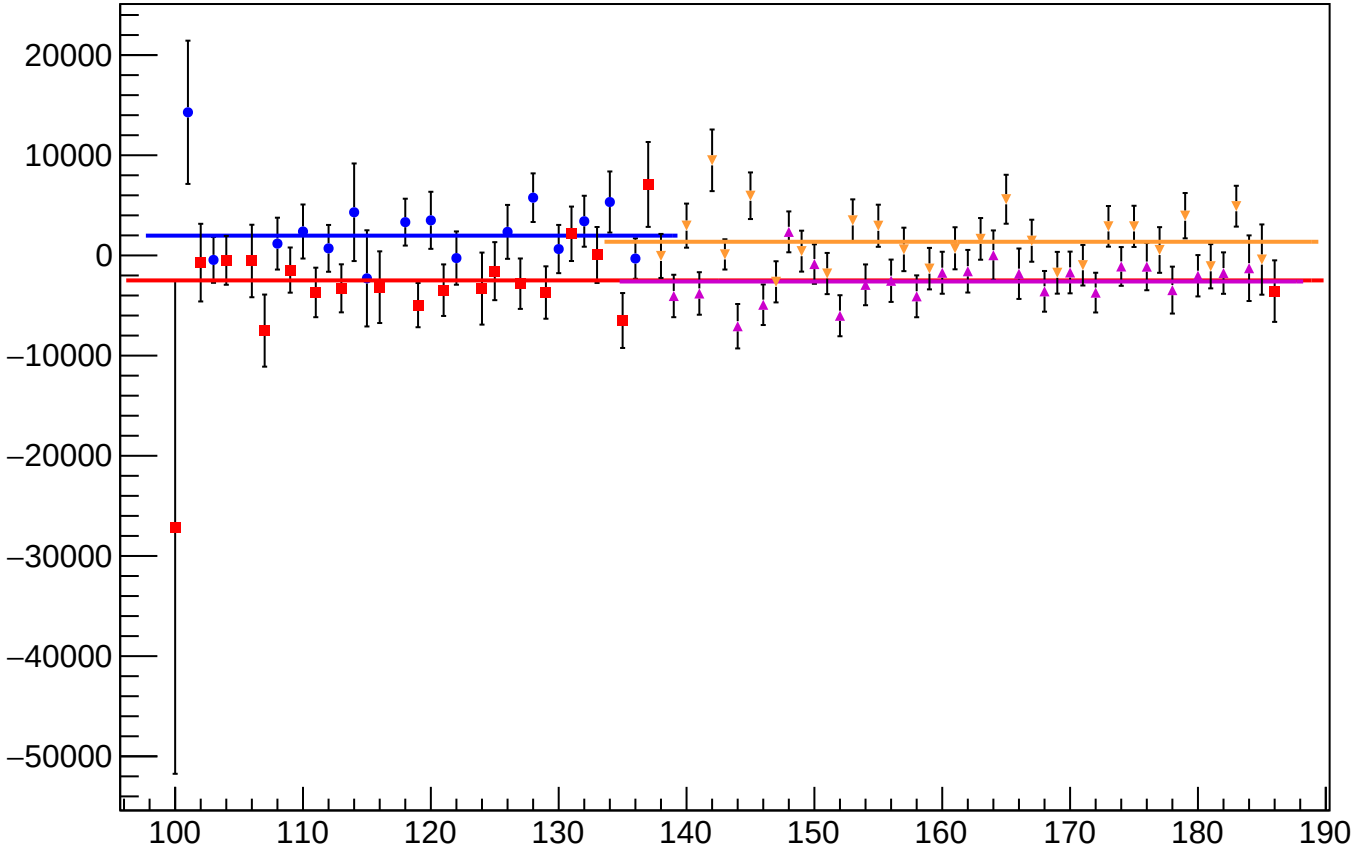
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4045.162+/-0.588 χ^2/NDF: 5399553.9/40

All: 3930.085+/-0.410 χ^2/NDF: 12681476.7/8

- sign 3821.931+/-0.570 χ^2/NDF: 7207716.7/42

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2493.184+/-643.110 χ^2/NDF: 17.6/19

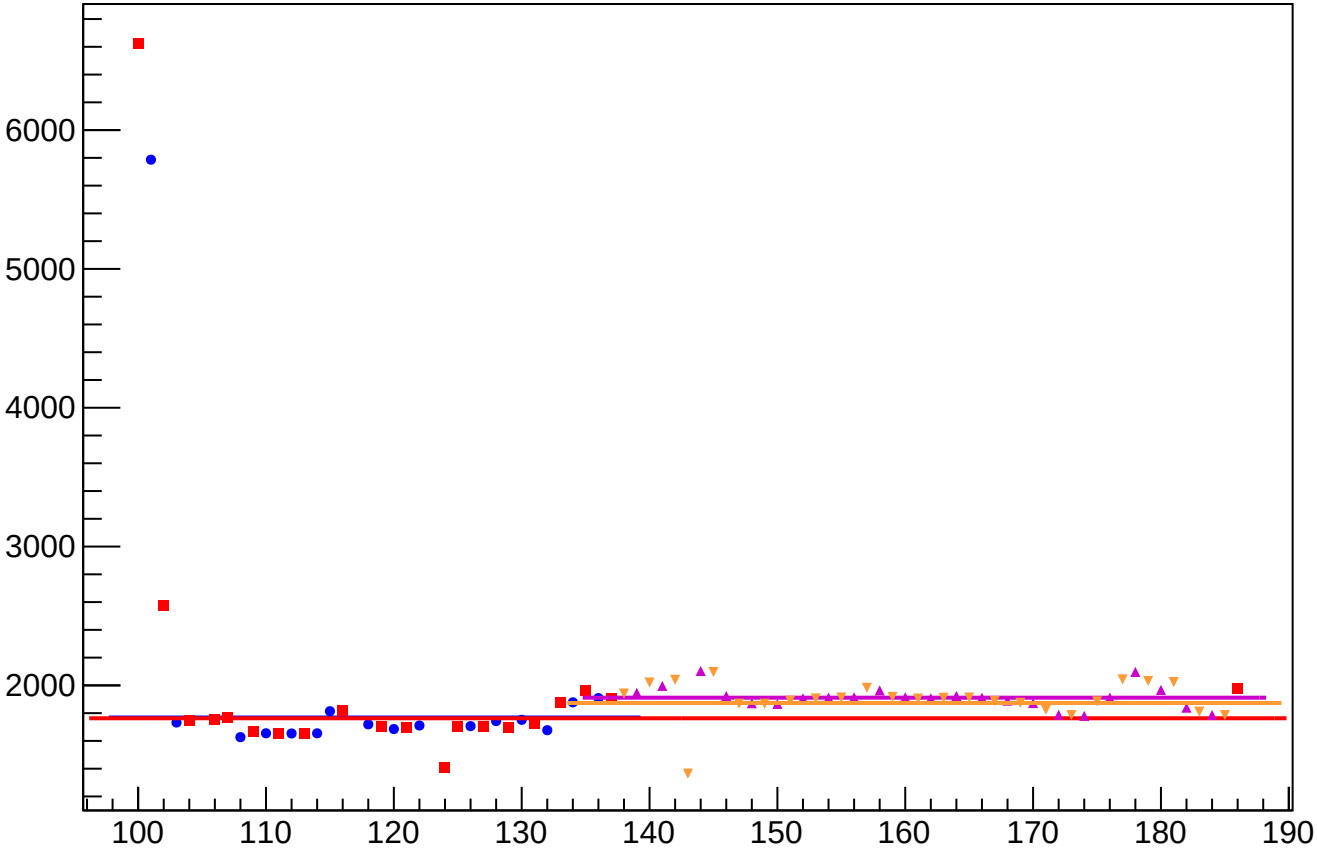
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1539.306+/-360.919 χ^2/NDF: 49.1/40

All: -480.158+/-257.298 χ^2/NDF: 150.5/83

- sign -2567.144+/-366.903 χ^2/NDF: 37.7/42

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

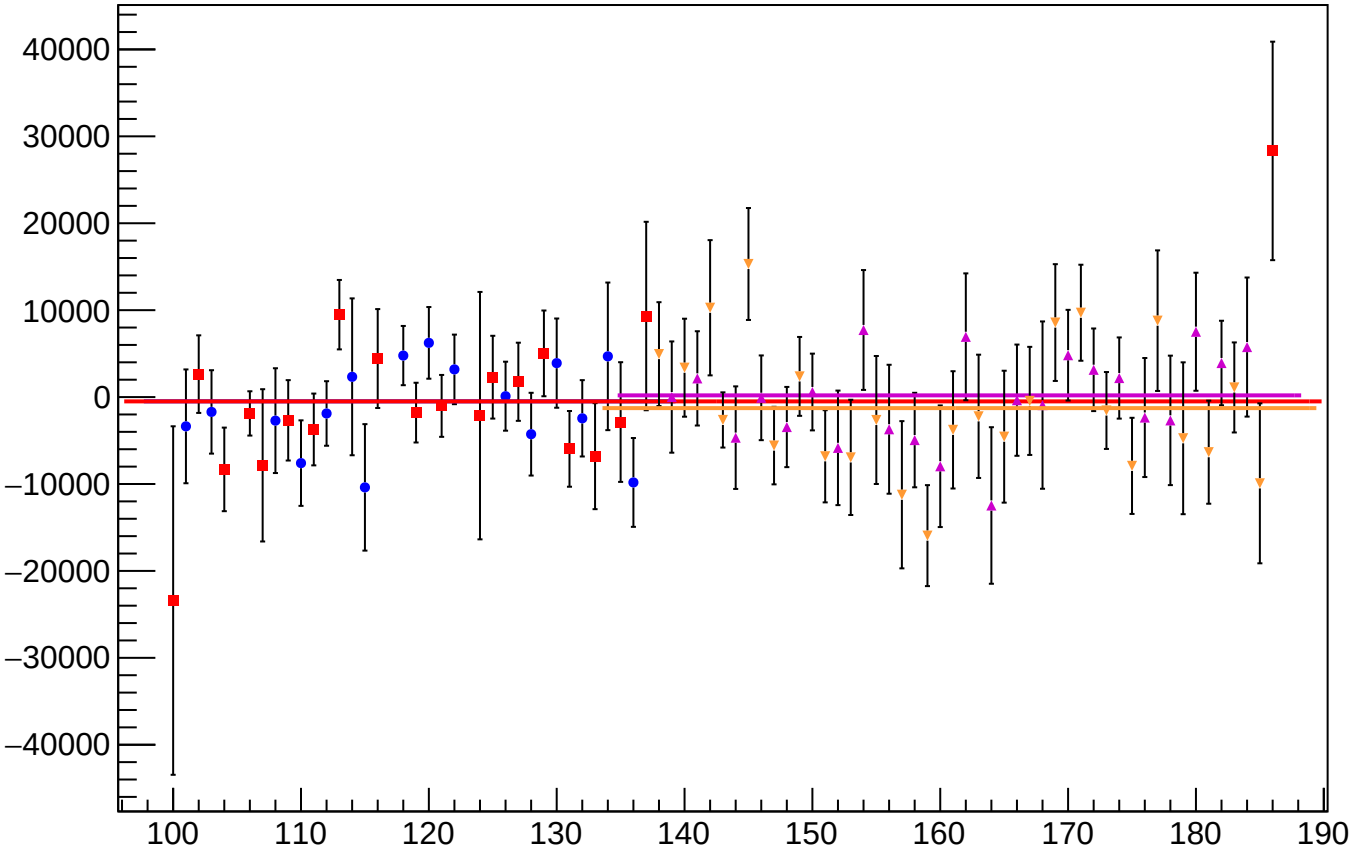
Right Out: 1763.099+/-0.454 χ^2/NDF: 228929.8/19

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1843.164+/-0.255 χ^2/NDF: 1011521.2/40

All: 1852.918+/-0.182 χ^2/NDF: 1374567.0/83

- sign 1862.981+/-0.259 χ^2/NDF: 360078.1/42



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -494.692+/-1065.613 χ^2/NDF: 24.1/19

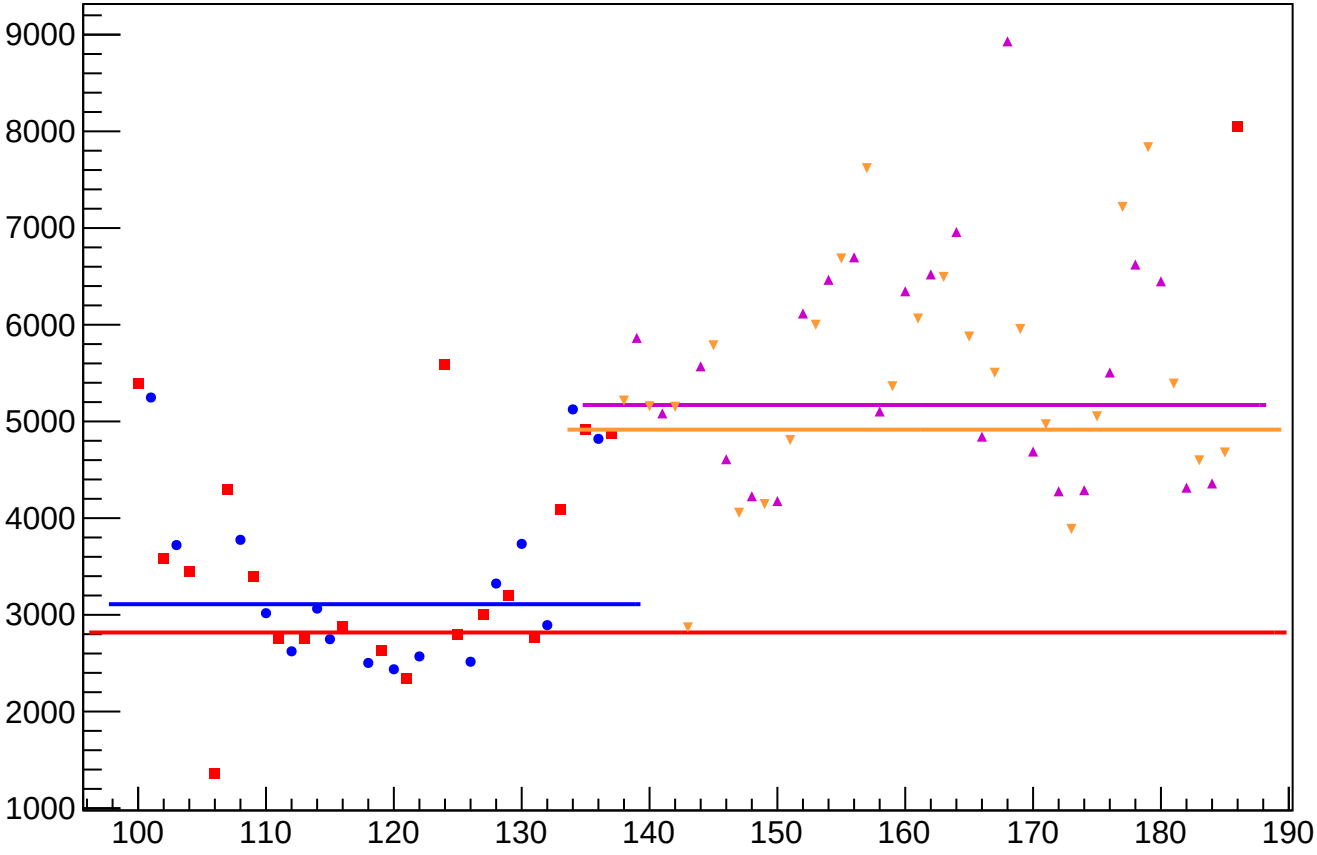
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

\+ sign -892.992+/-832.085 χ^2/NDF: 49.4/40

All: -535.445+/-579.178 χ^2/NDF: 86.8/83

\- sign -199.408+/-806.668 χ^2/NDF: 37.0/42

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 2817.500+/-0.754 χ^2/NDF: 1697291.6/19

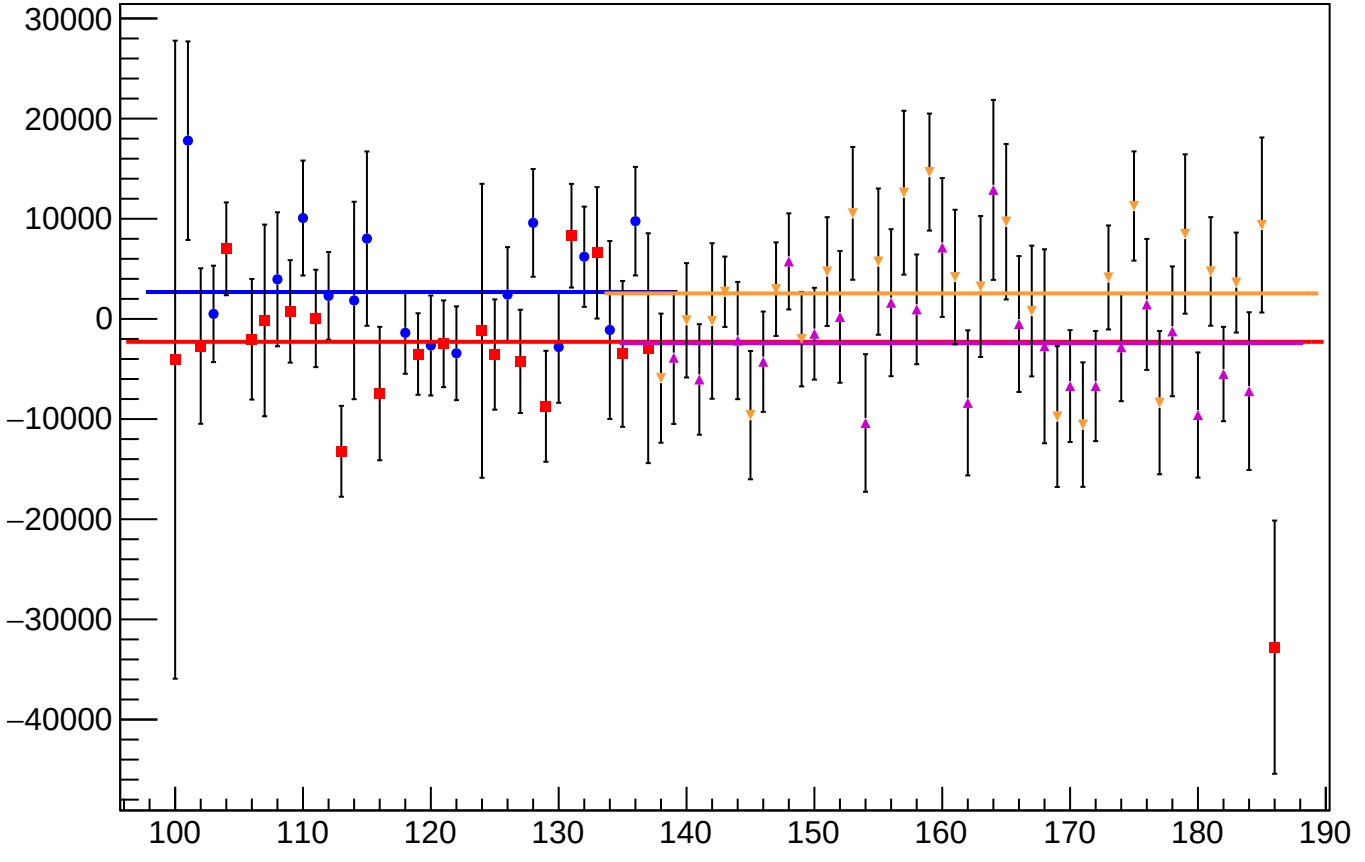
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4045.156+/-0.588 χ^2/NDF: 5399621.5/40

All: 3930.077+/-0.410 χ^2/NDF: 12681650.1/8

- sign 3821.920+/-0.570 χ^2/NDF: 7207819.6/42

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -2284.694+/-1325.637 χ^2/NDF: 24.6/19

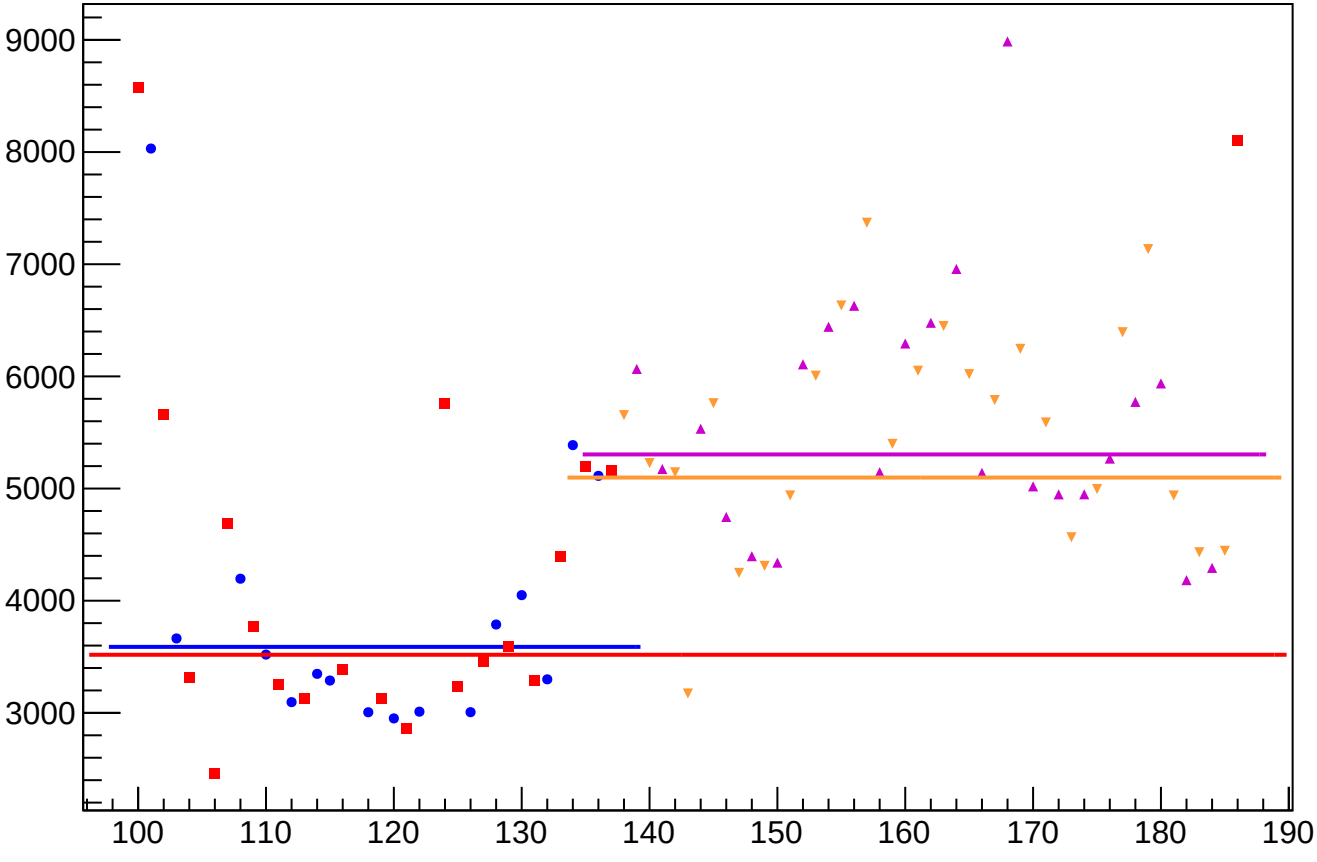
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2605.943+/-900.167 χ^2/NDF: 42.5/40

All: 159.802+/-641.053 χ^2/NDF: 97.1/83

- sign -2357.383+/-913.145 χ^2/NDF: 39.6/42

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

Right Out: 3518.046+/-0.923 χ^2/NDF: 932258.9/19

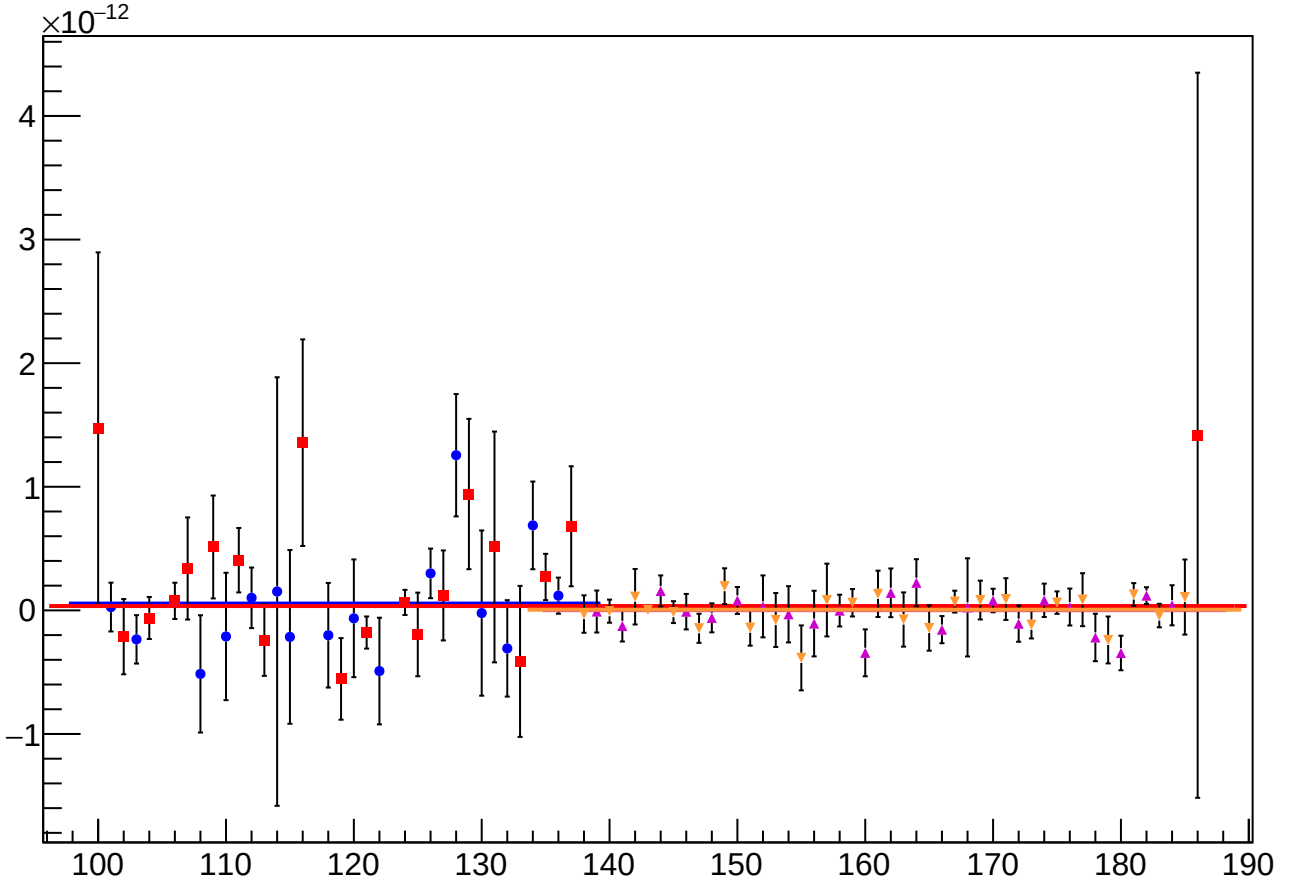
Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

\+ sign 4455.605+/-0.637 χ^2/NDF: 3764565.6/40

All: 4449.433+/-0.452 χ^2/NDF: 7653382.1/83

\- 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: 17.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.5/19

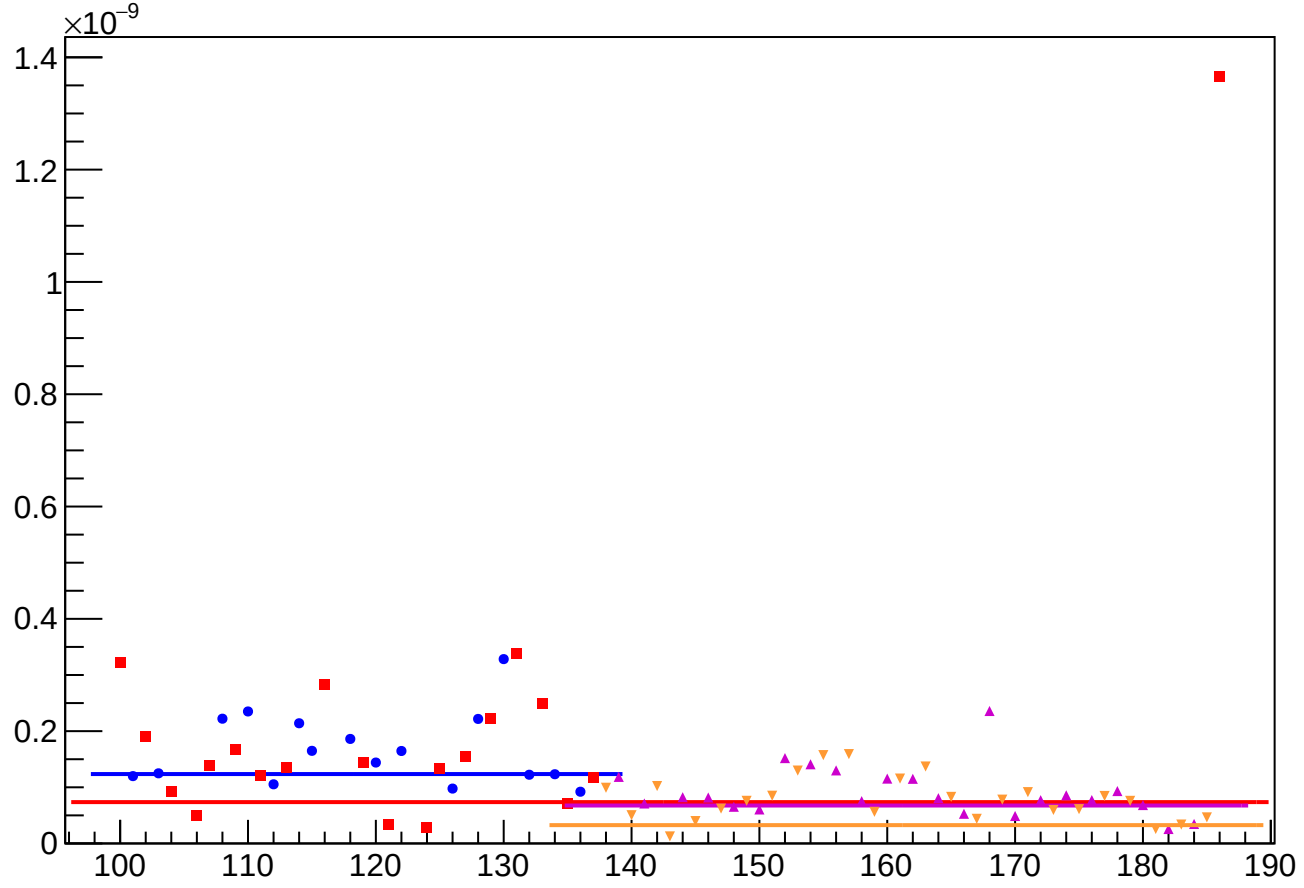
Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.4/40

All: 0.000+/-0.000 χ^2/NDF: 79.1/83

- 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: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2577391.8/19

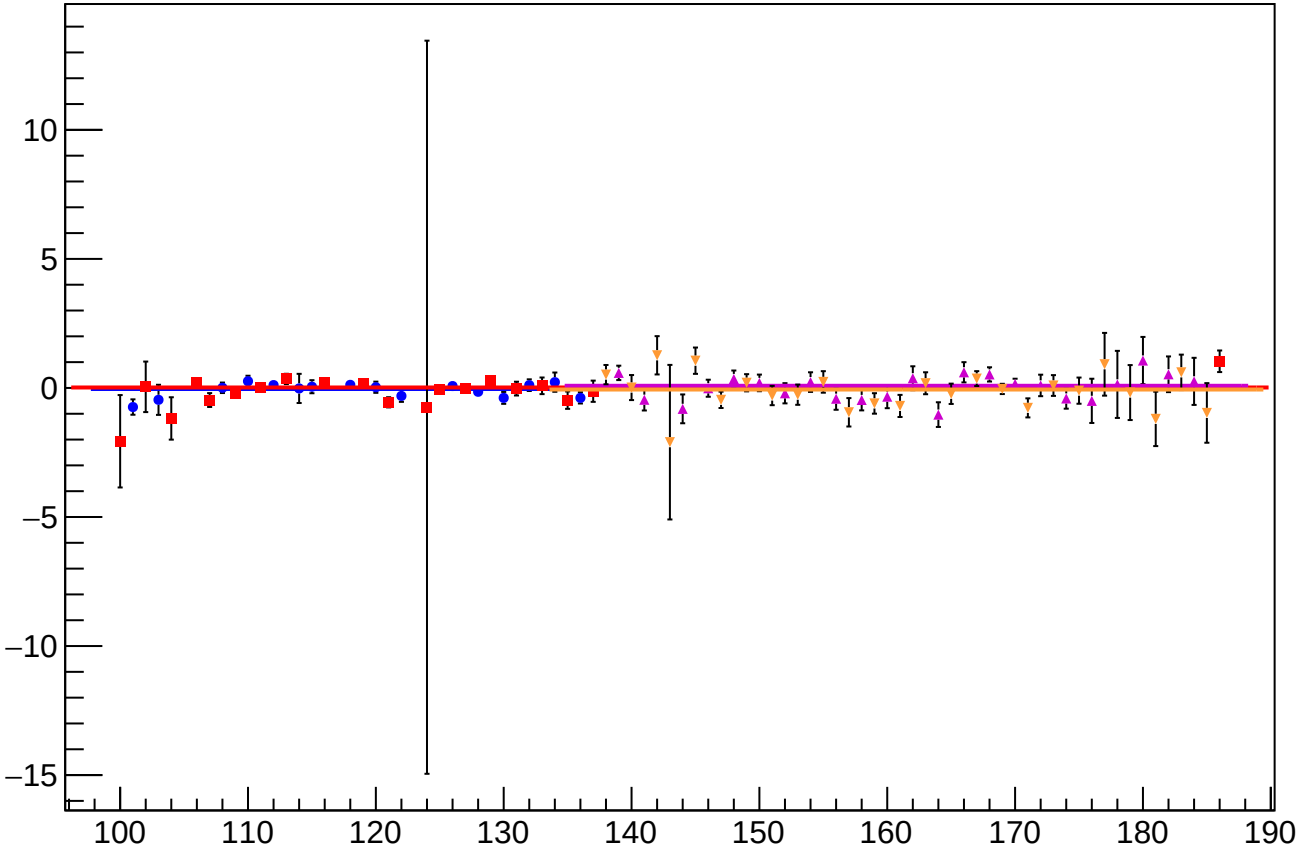
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9718066.8/40

All: 0.000+/-0.000 χ^2/NDF: 16940656.4/83

- sign 0.000+/-0.000 χ^2/NDF: 5046329.3/42

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.051 χ^2/NDF: 34.7/19

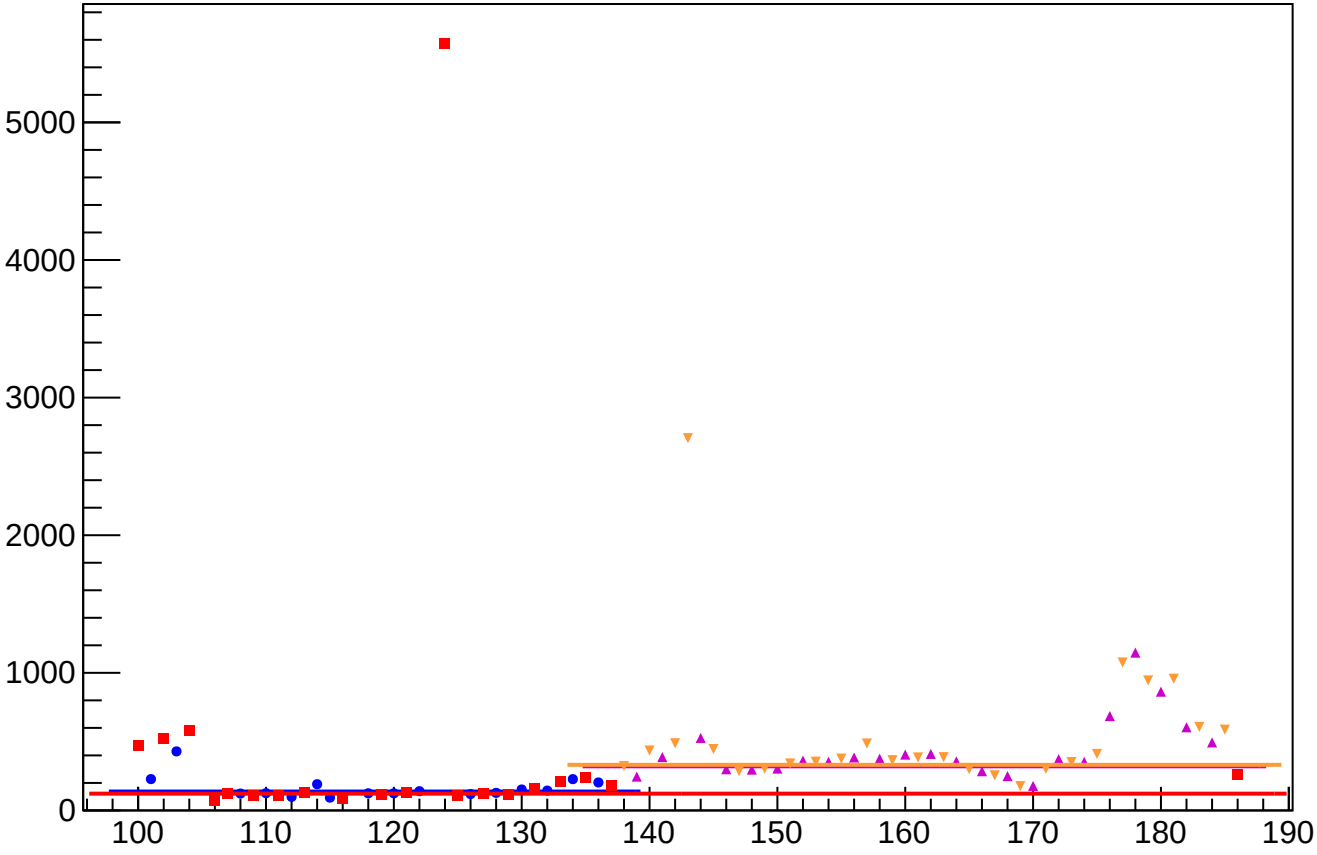
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.046+/-0.046 χ^2/NDF: 48.8/40

All: -0.002+/-0.032 χ^2/NDF: 112.6/83

- sign 0.036+/-0.043 χ^2/NDF: 62.2/42

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

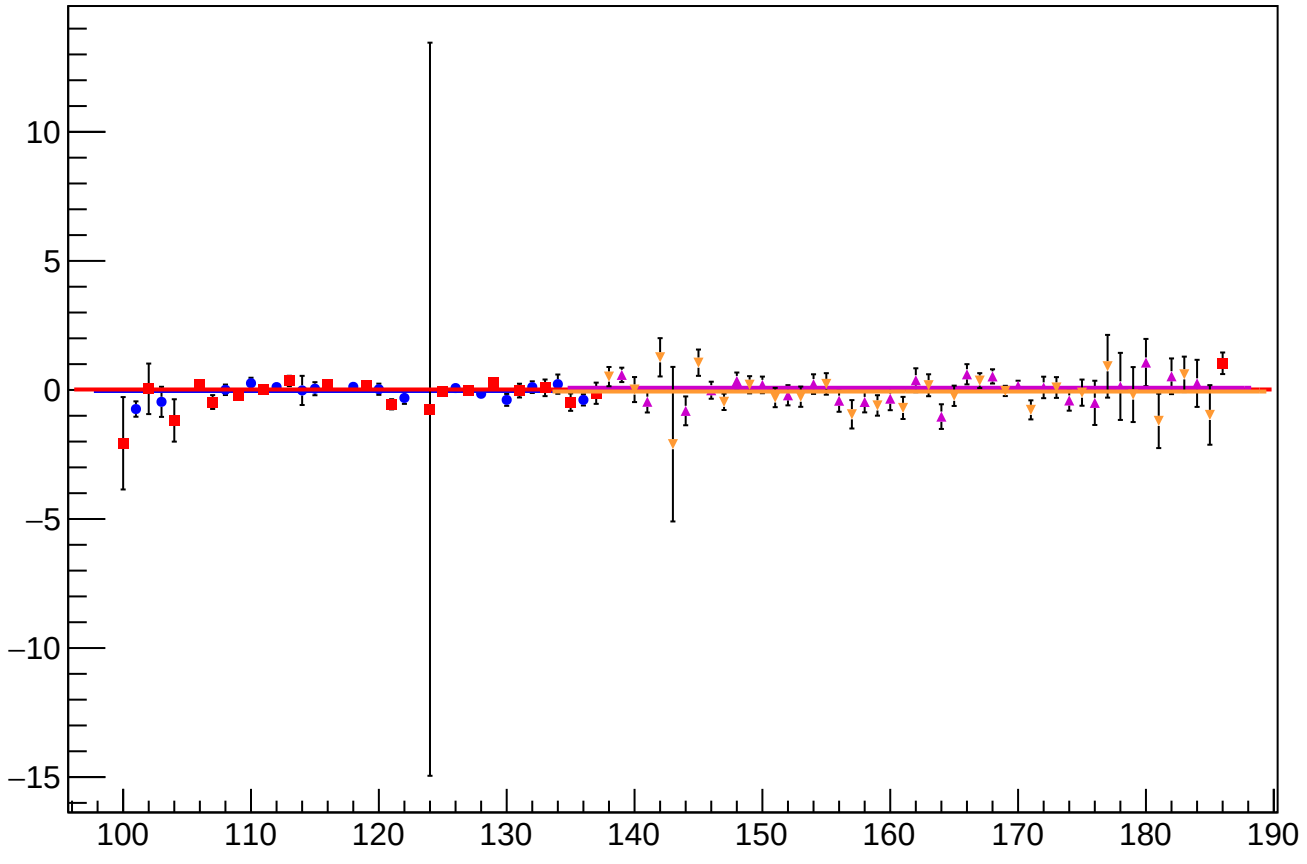
Right Out: 122.096+/-0.036 χ^2/NDF: 2370430.4/19

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 197.207+/-0.033 χ^2/NDF: 14563397.0/40

All: 186.650+/-0.022 χ^2/NDF: 30008258.3/83

- sign 177.637+/-0.030 χ^2/NDF: 15253267.9/42



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.051 χ^2/NDF: 34.7/19

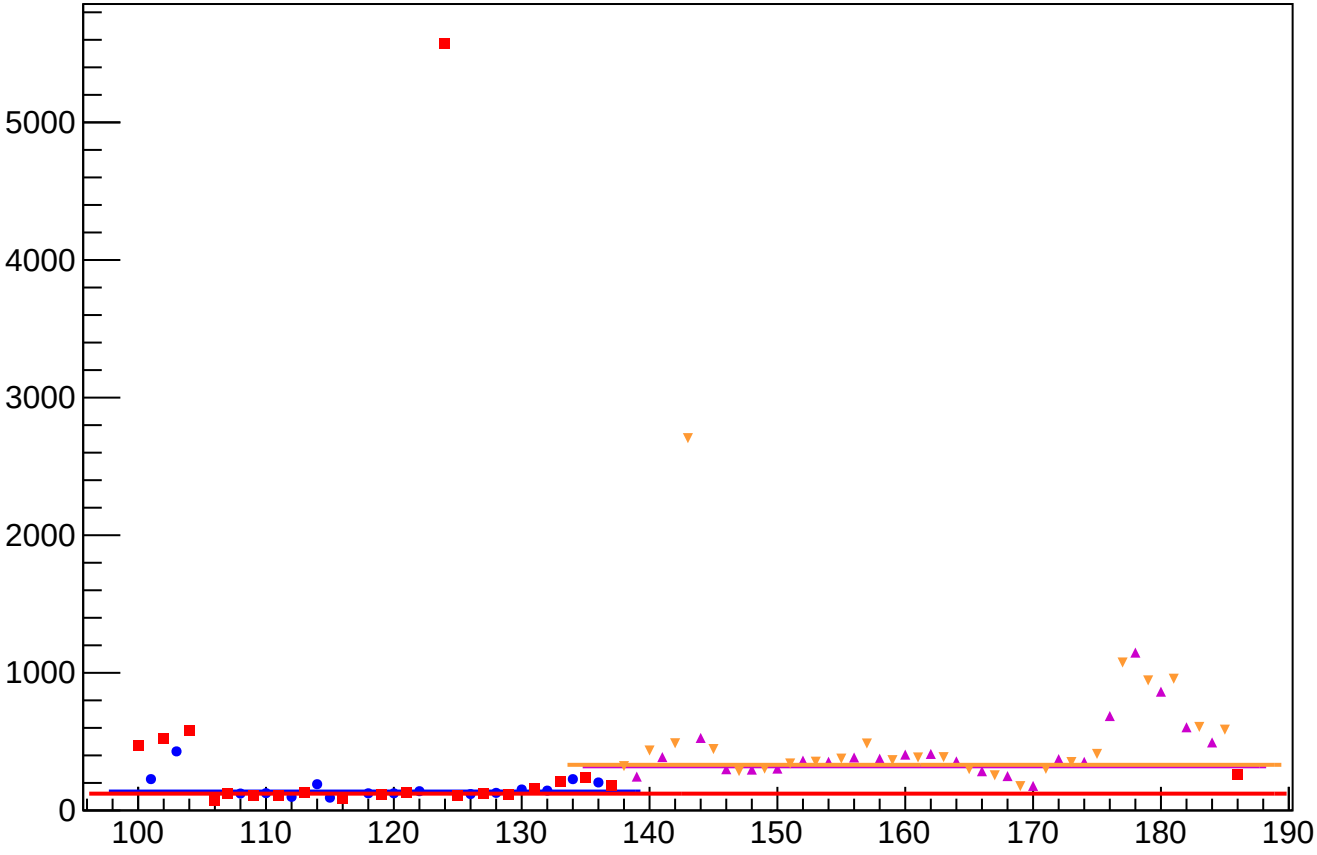
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.046+/-0.046 χ^2/NDF: 48.8/40

All: -0.002+/-0.032 χ^2/NDF: 112.6/83

\- sign 0.036+/-0.043 χ^2/NDF: 62.2/42

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

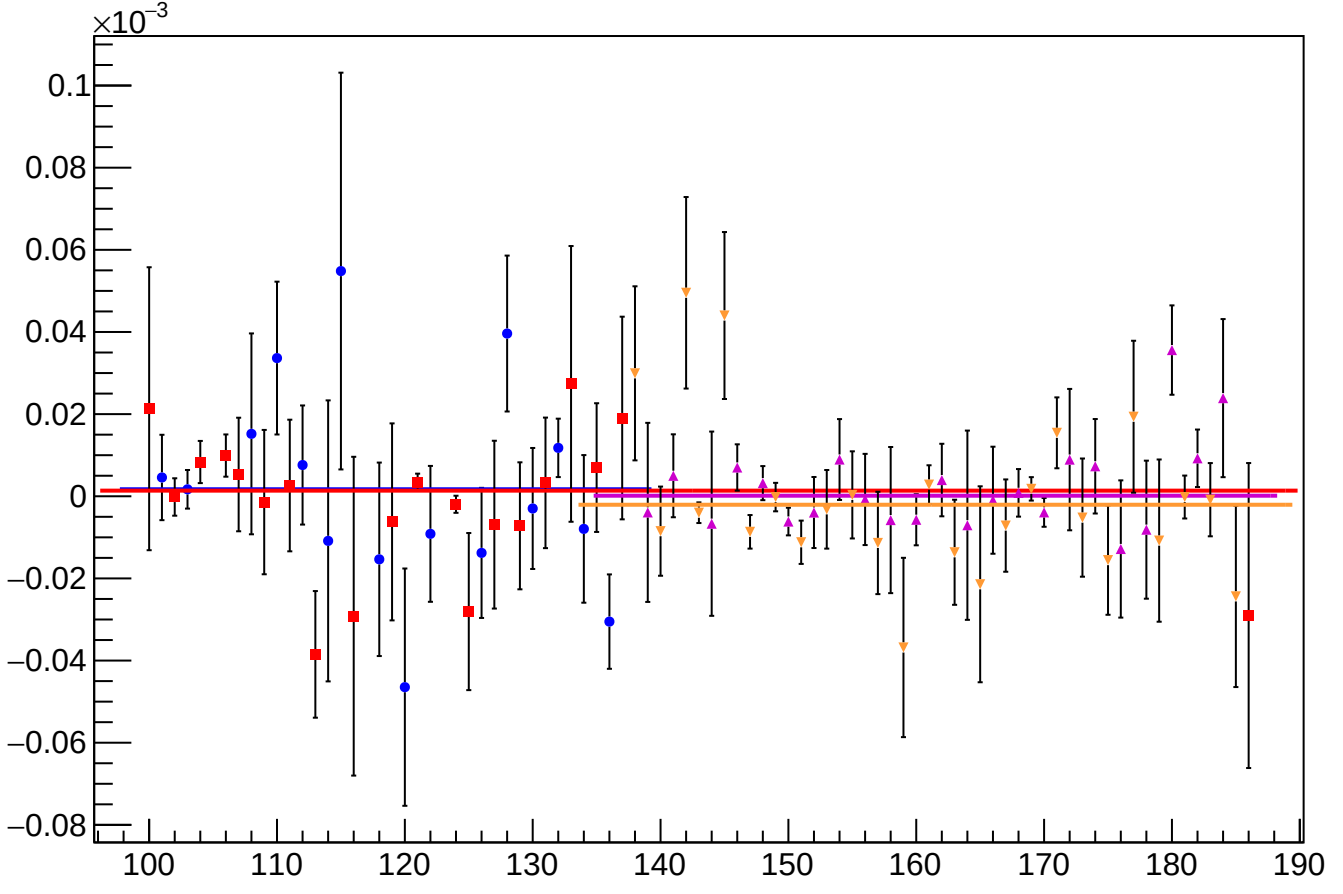
Right Out: 122.096+/-0.036 χ^2/NDF: 2370430.4/19

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 197.207+/-0.033 χ^2/NDF: 14563397.0/40

All: 186.650+/-0.022 χ^2/NDF: 30008258.3/83

- sign 177.637+/-0.030 χ^2/NDF: 15253267.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/19

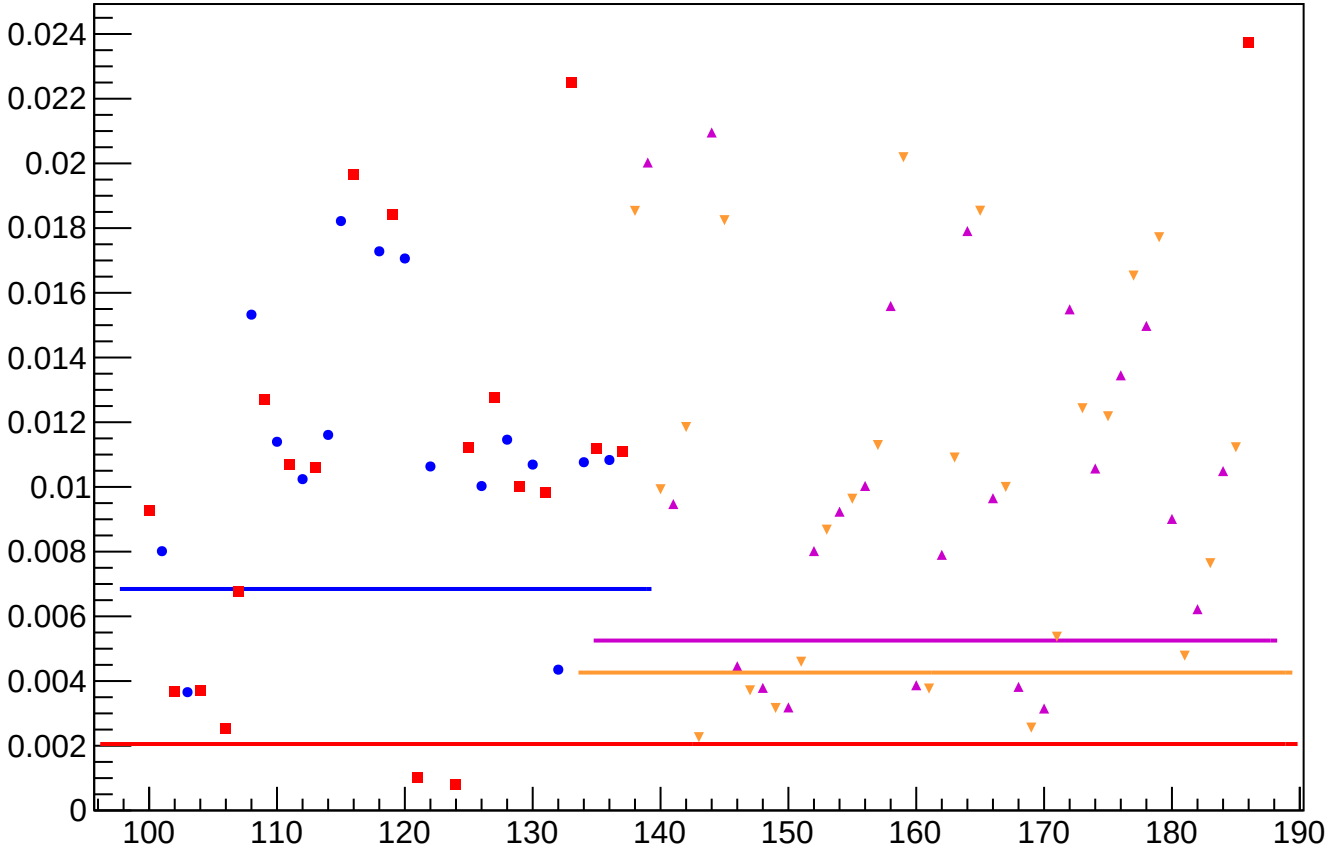
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.0/40

All: -0.000+/-0.000 χ^2/NDF: 108.7/83

- 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: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

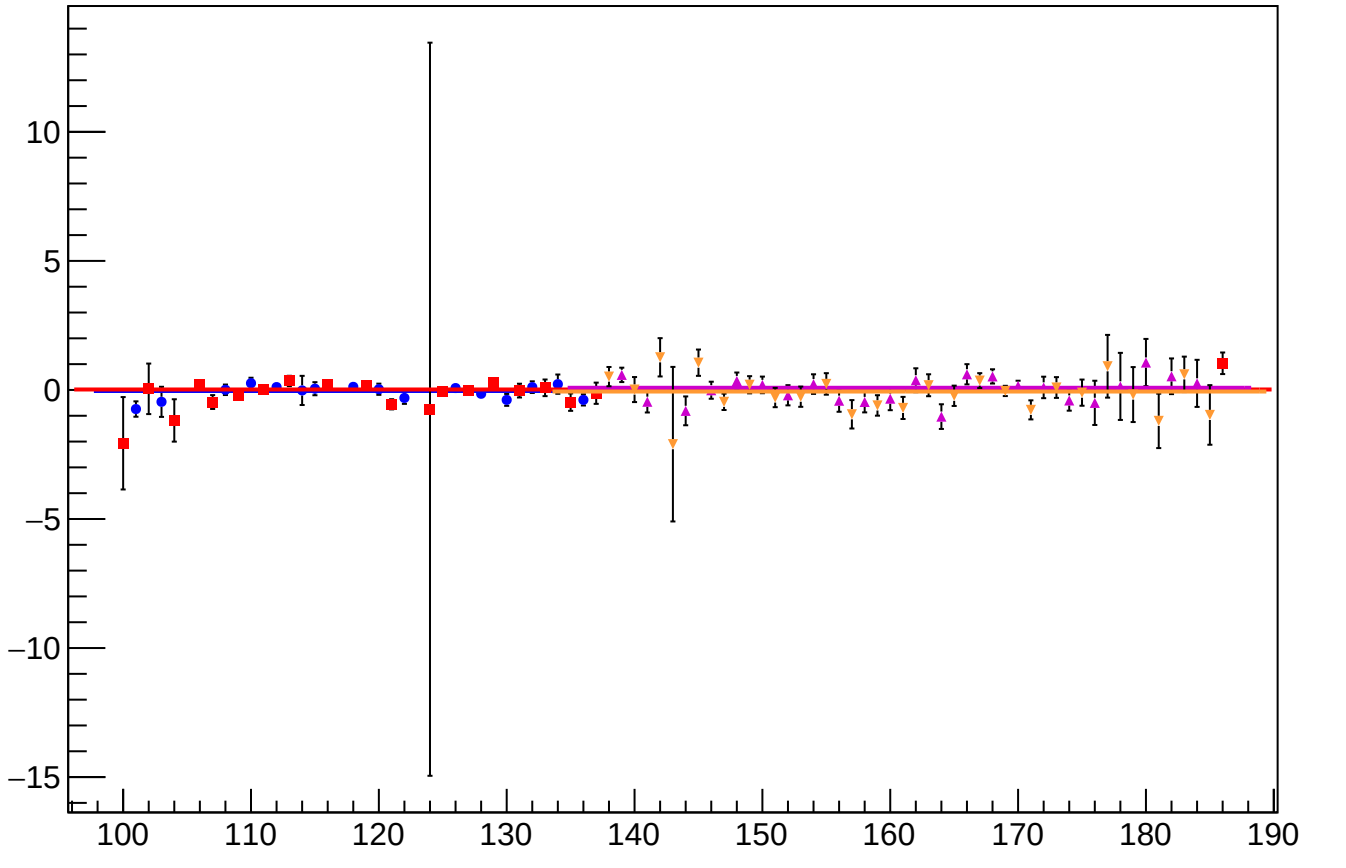
Right Out: 0.002+/-0.000 χ^2/NDF: 9691507.4/19

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 17488202.4/40

All: 0.004+/-0.000 χ^2/NDF: 43470083.8/83

- sign 0.003+/-0.000 χ^2/NDF: 24491383.1/42



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.051 χ^2/NDF: 34.7/19

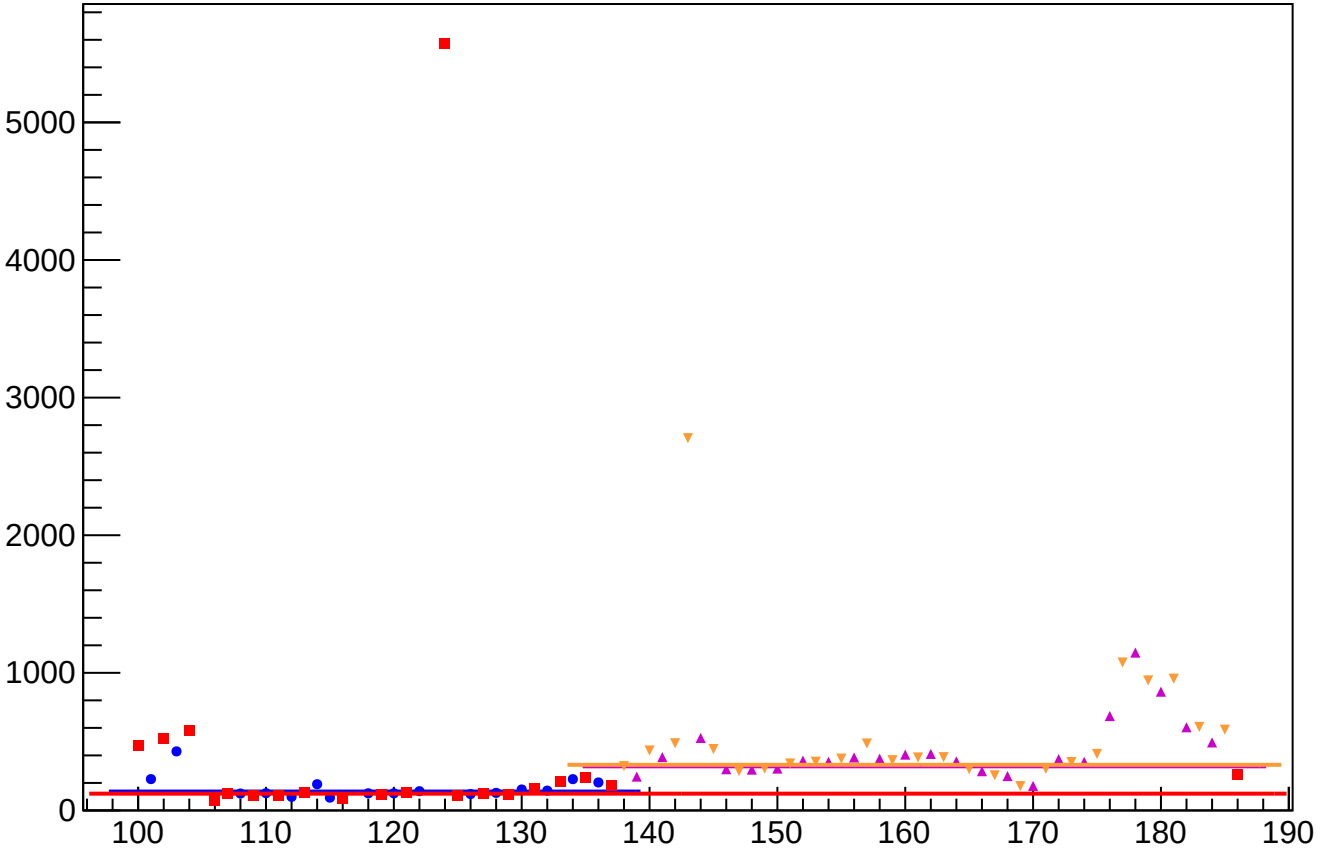
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.046+/-0.046 χ^2/NDF: 48.8/40

All: -0.002+/-0.032 χ^2/NDF: 112.6/83

- sign 0.036+/-0.043 χ^2/NDF: 62.2/42

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

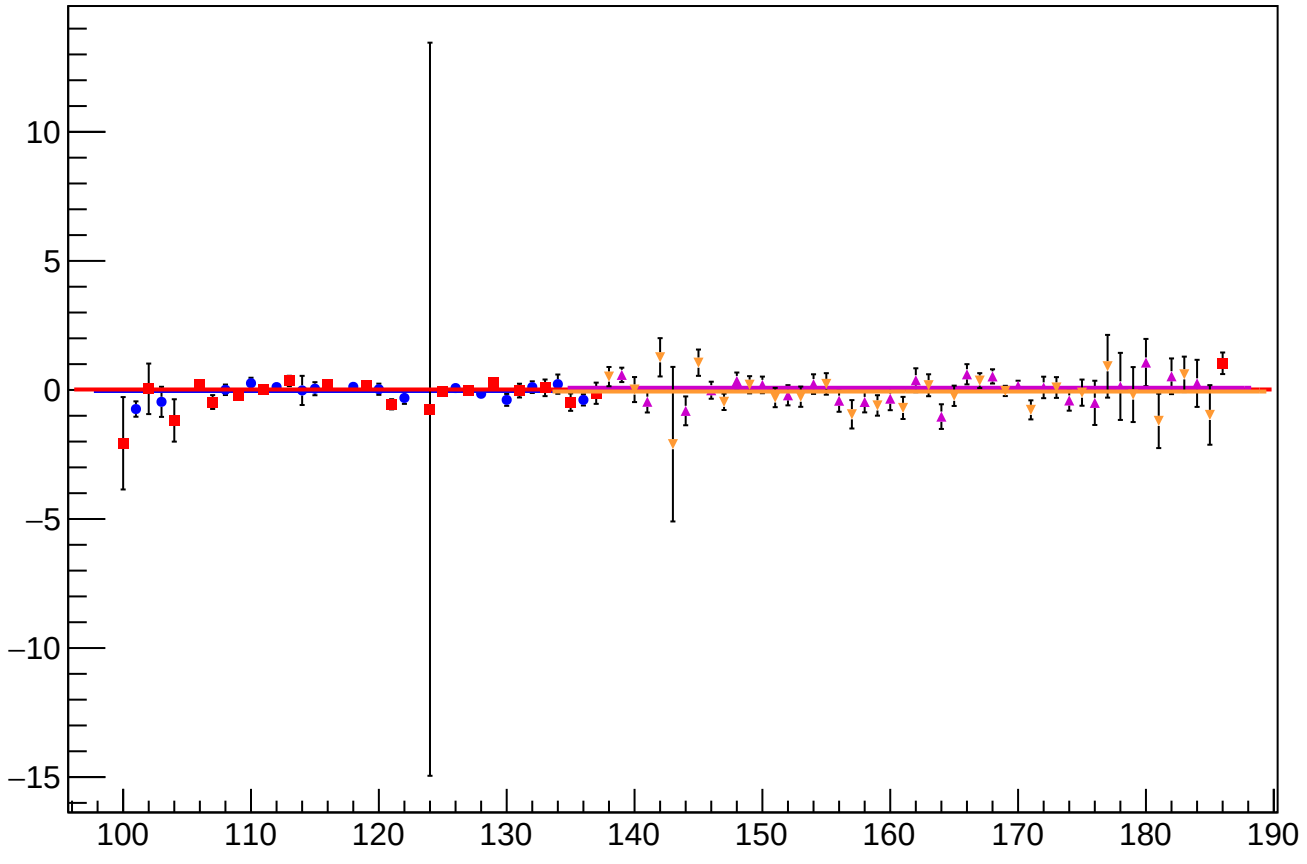
Right Out: 122.096+/-0.036 χ^2/NDF: 2370343.9/19

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 197.208+/-0.033 χ^2/NDF: 14563381.7/40

All: 186.650+/-0.022 χ^2/NDF: 30008320.2/83

- sign 177.637+/-0.030 χ^2/NDF: 15253323.0/42



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

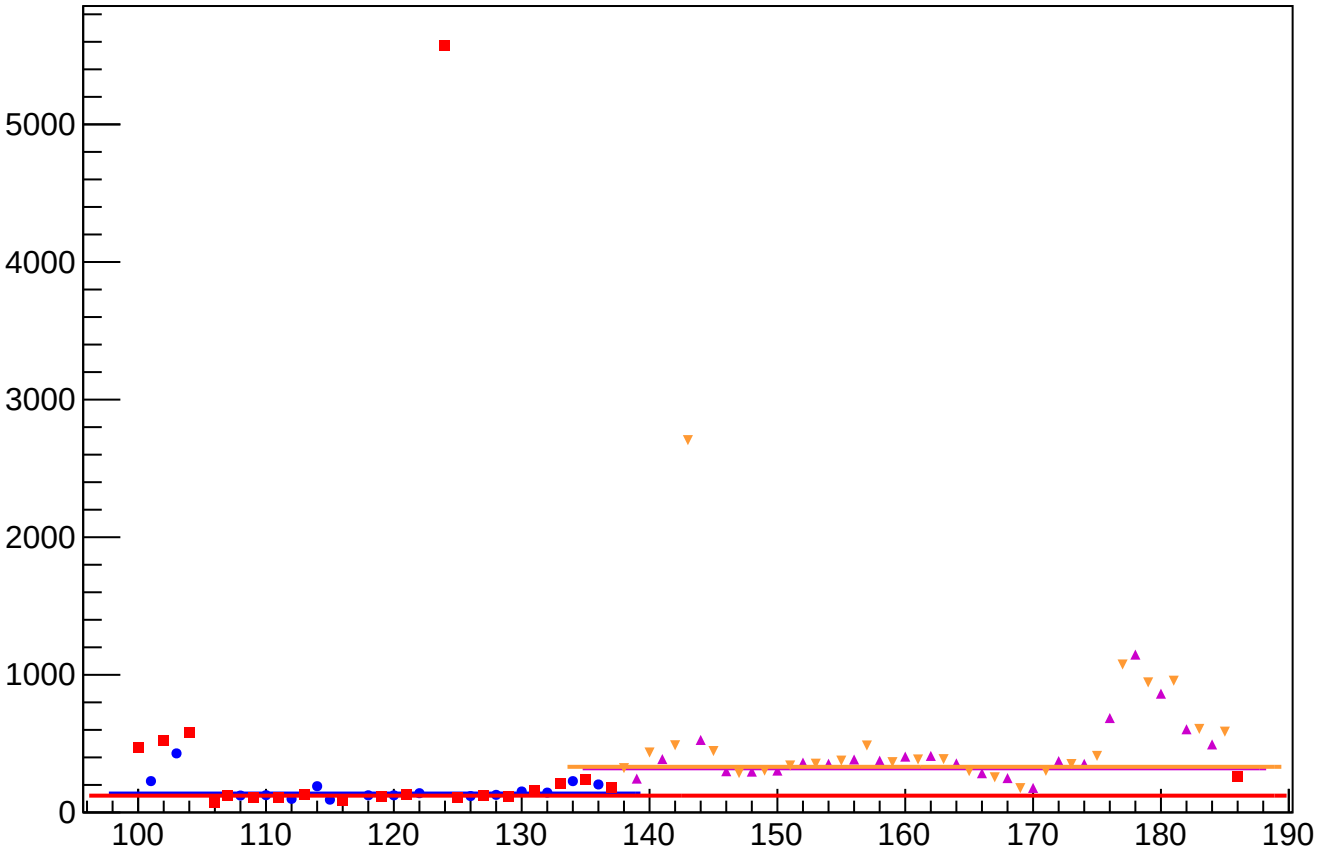
Right Out: 0.018+/-0.051 χ^2/NDF: 34.7/19

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.046+/-0.046 χ^2/NDF: 48.8/40

All: -0.002+/-0.032 χ^2/NDF: 112.6/83

- sign 0.036+/-0.043 χ^2/NDF: 62.2/42



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

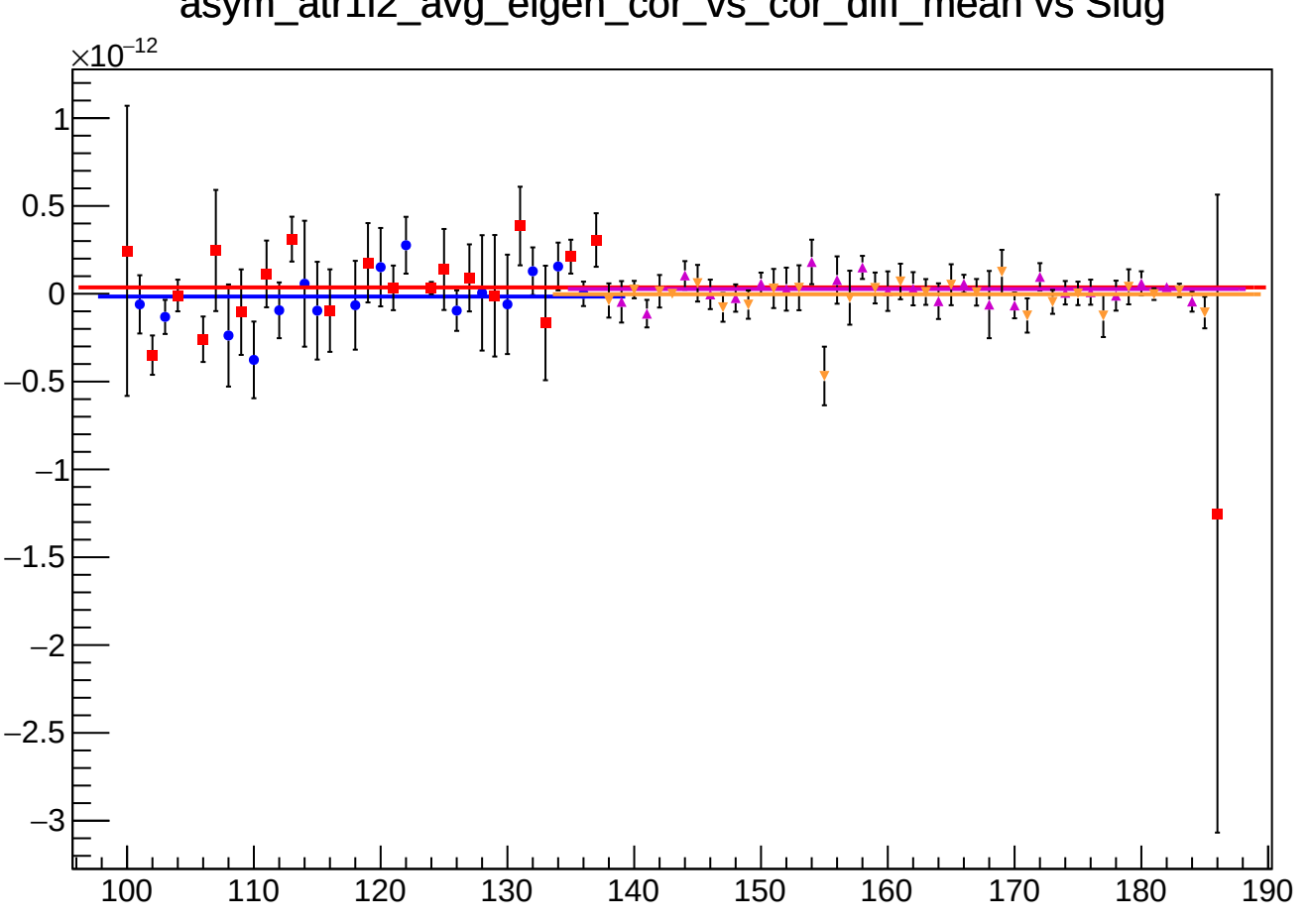
Right Out: 122.096+/-0.036 χ^2/NDF: 2370343.9/19

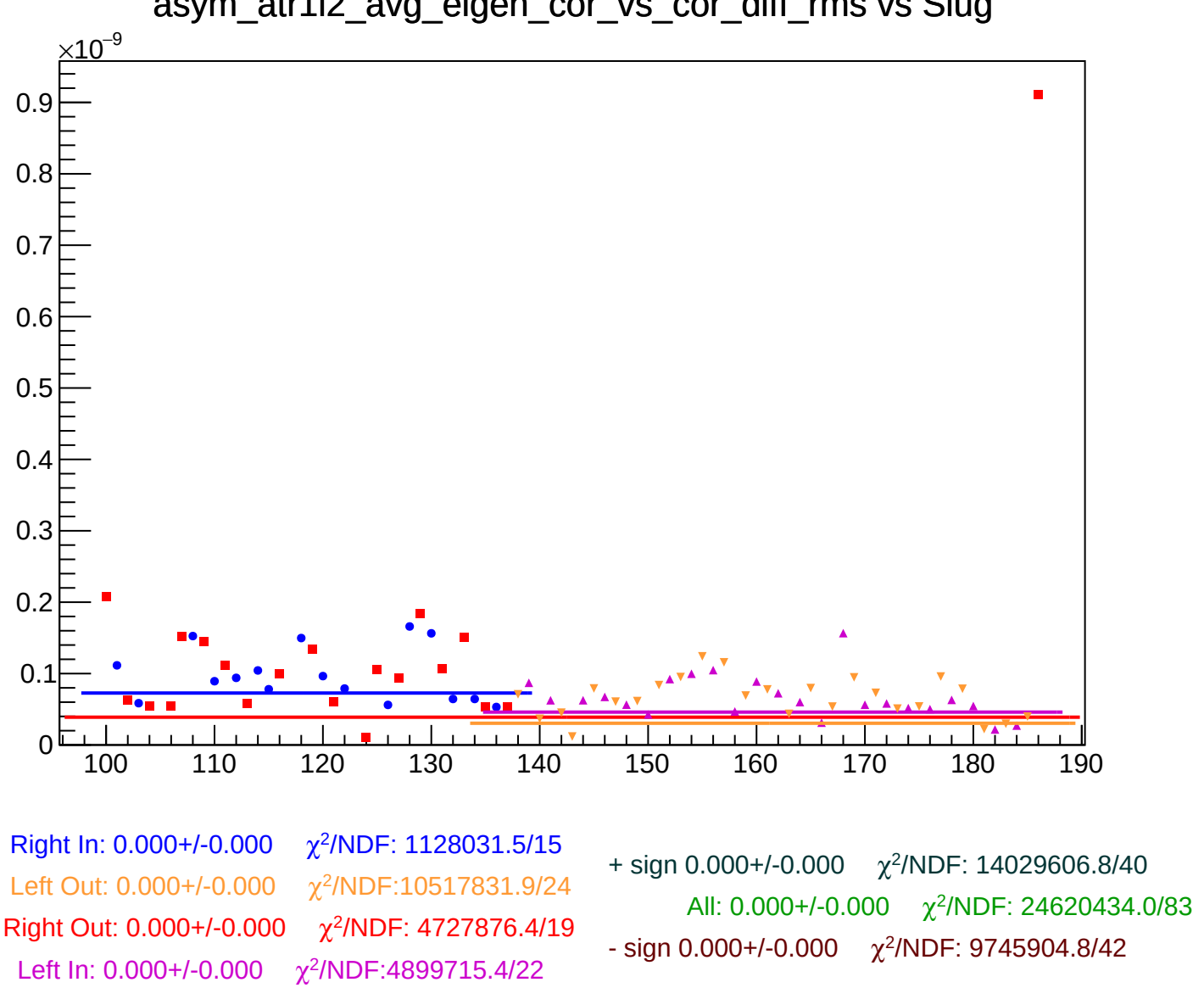
Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 197.208+/-0.033 χ^2/NDF: 14563381.7/40

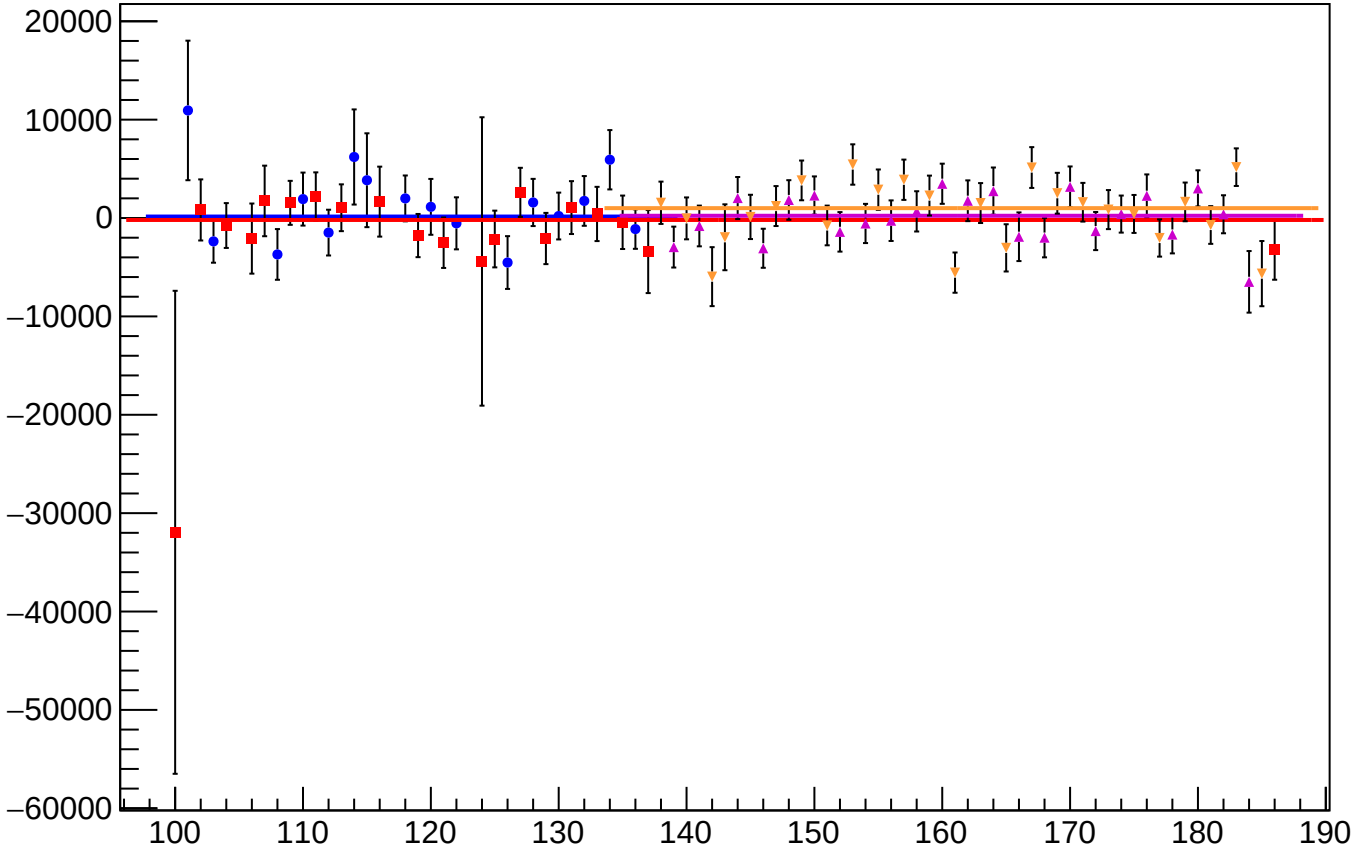
All: 186.650+/-0.022 χ^2/NDF: 30008320.2/83

- sign 177.637+/-0.030 χ^2/NDF: 15253323.0/42


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.7/19
Left In: 0.000+/-0.000 χ²/NDF:16.1/22
+ sign -0.000+/-0.000 χ²/NDF: 29.4/40
All: 0.000+/-0.000 χ²/NDF: 83.4/83
- sign 0.000+/-0.000 χ²/NDF: 49.9/42


asym_atr1l2_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: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:10517831.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 4727876.4/19
Left In: 0.000+/-0.000 χ²/NDF:4899715.4/22
+ sign 0.000+/-0.000 χ²/NDF: 14029606.8/40
All: 0.000+/-0.000 χ²/NDF: 24620434.0/83
- sign 0.000+/-0.000 χ²/NDF: 9745904.8/42

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -196.912+/-640.436 χ^2/NDF: 10.0/19

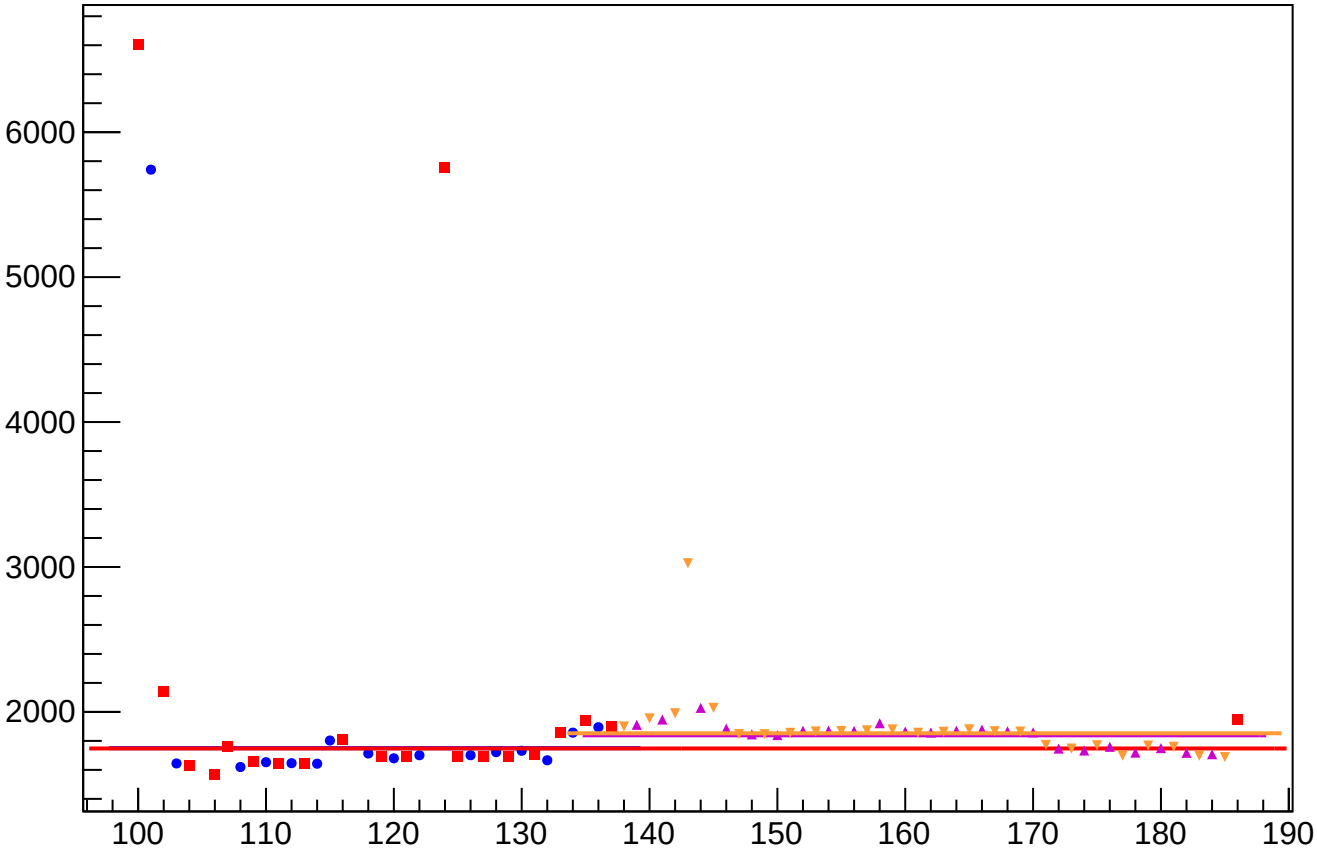
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 759.733+/-356.974 χ^2/NDF: 66.2/40

All: 428.231+/-252.366 χ^2/NDF: 104.6/83

- sign 97.007+/-356.824 χ^2/NDF: 36.7/42

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1747.717+/-0.450 χ^2/NDF: 313608.0/19

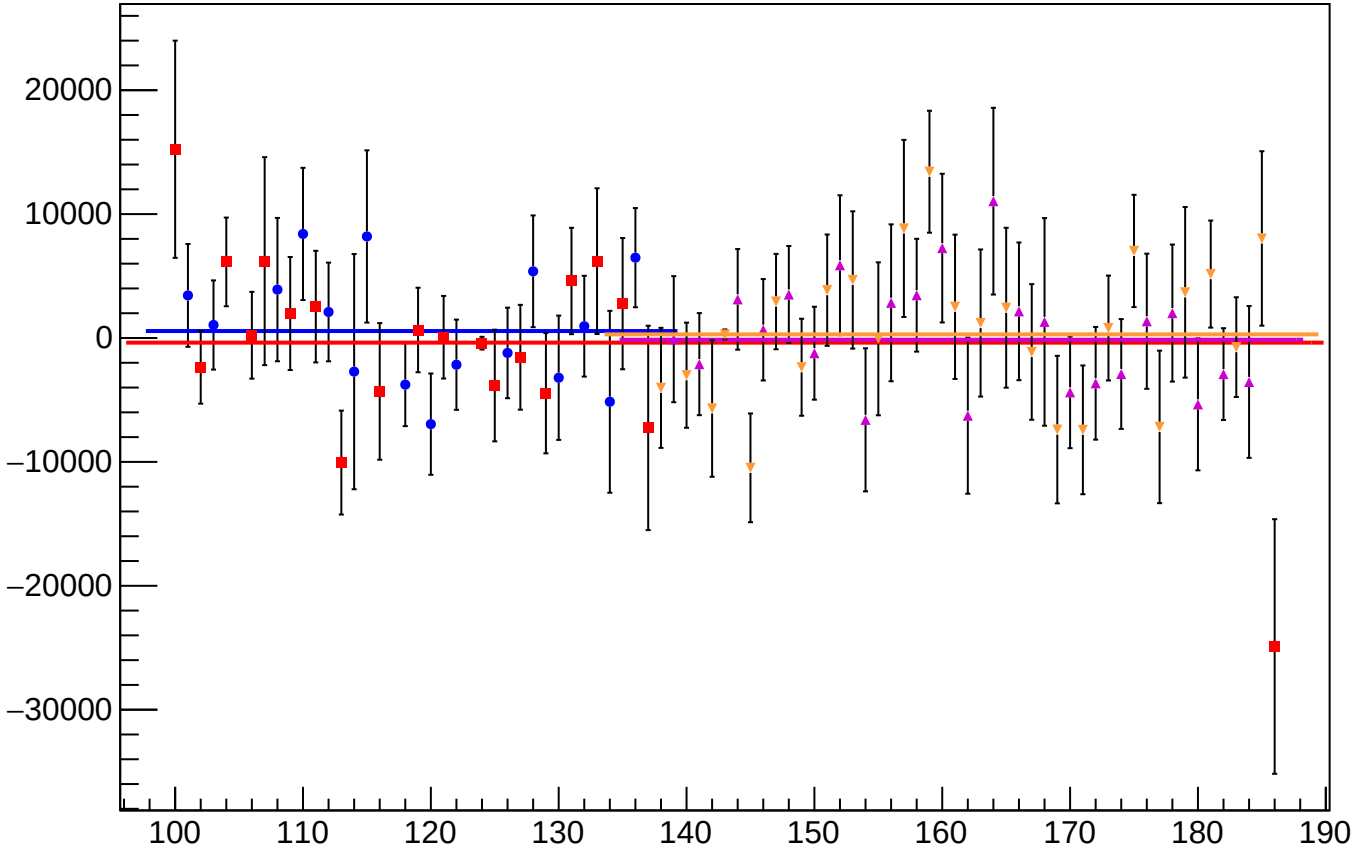
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1823.129+/-0.252 χ^2/NDF: 1024427.1/40

All: 1816.579+/-0.178 χ^2/NDF: 1435854.7/83

- sign 1810.064+/-0.252 χ^2/NDF: 410084.7/42

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -374.279+/-457.494 χ^2/NDF: 24.9/19

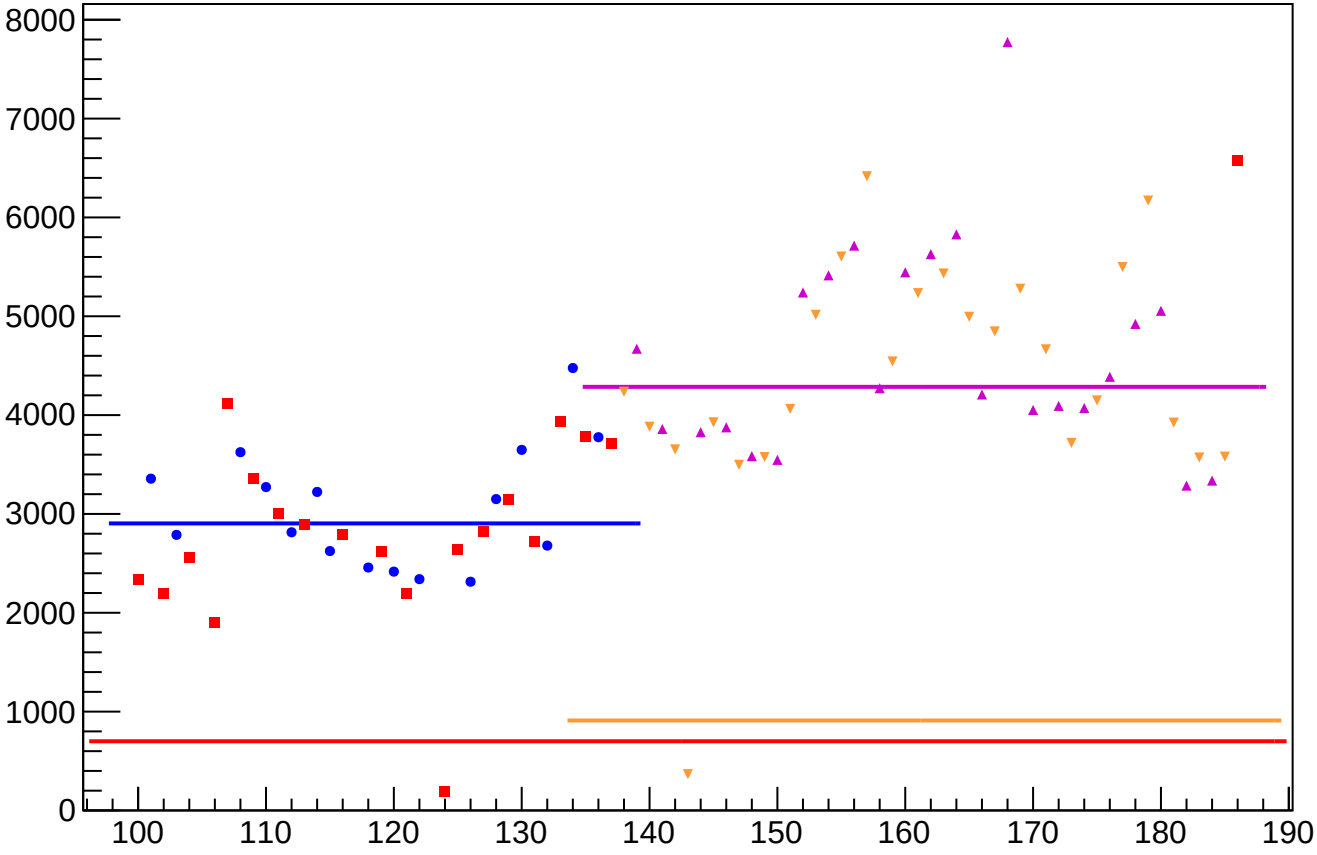
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 322.908+/-359.147 χ^2/NDF: 44.9/40

All: 43.228+/-272.305 χ^2/NDF: 85.2/83

- sign -334.955+/-417.630 χ^2/NDF: 38.9/42

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

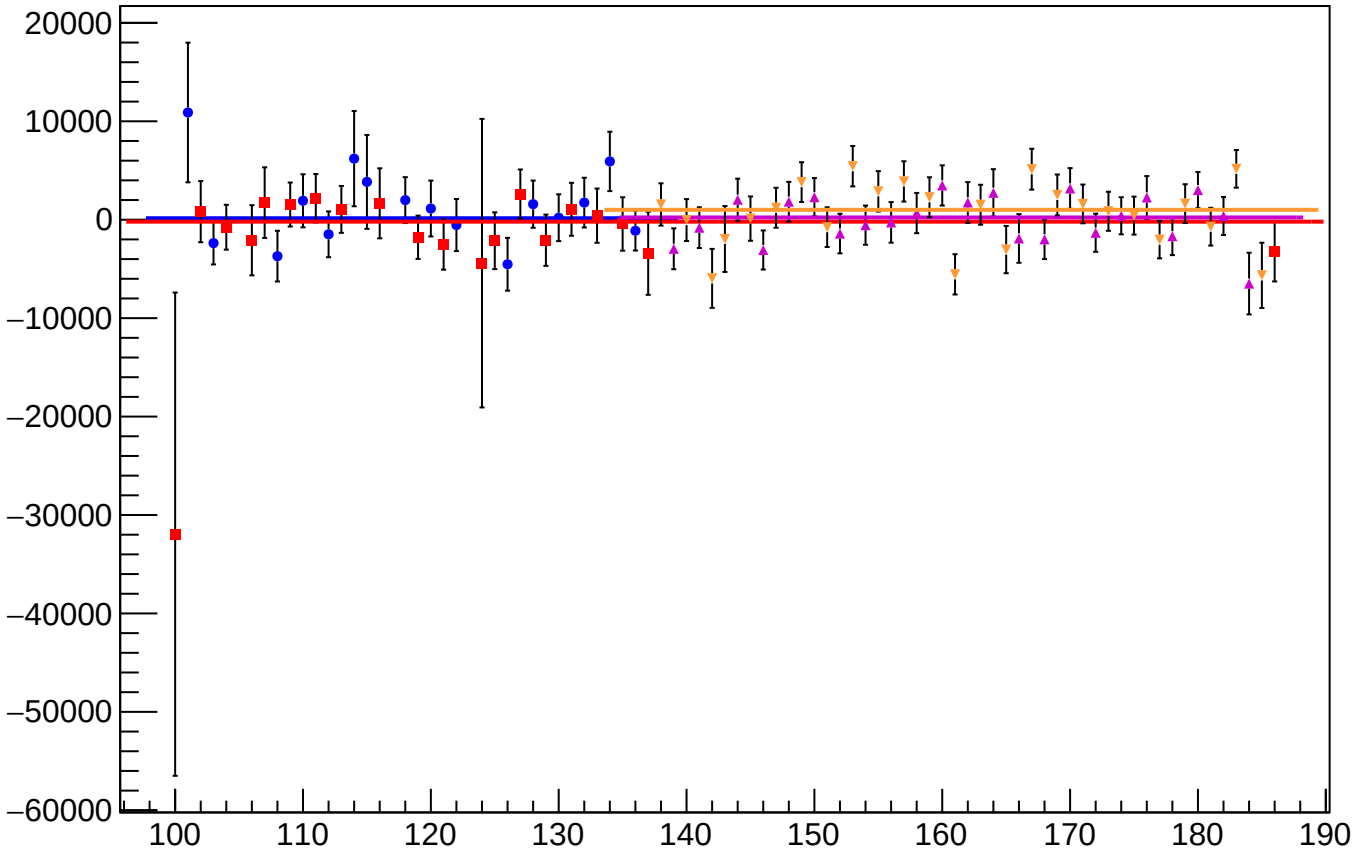
Right Out: 699.982+/-0.323 χ^2/NDF: 10803255.9/19

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1122.239+/-0.254 χ^2/NDF: 33113923.9/40

All: 1196.820+/-0.193 χ^2/NDF: 65927789.4/8

- sign 1297.668+/-0.295 χ^2/NDF: 32610996.9/42



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -196.956+/-640.436 χ^2/NDF: 10.0/19

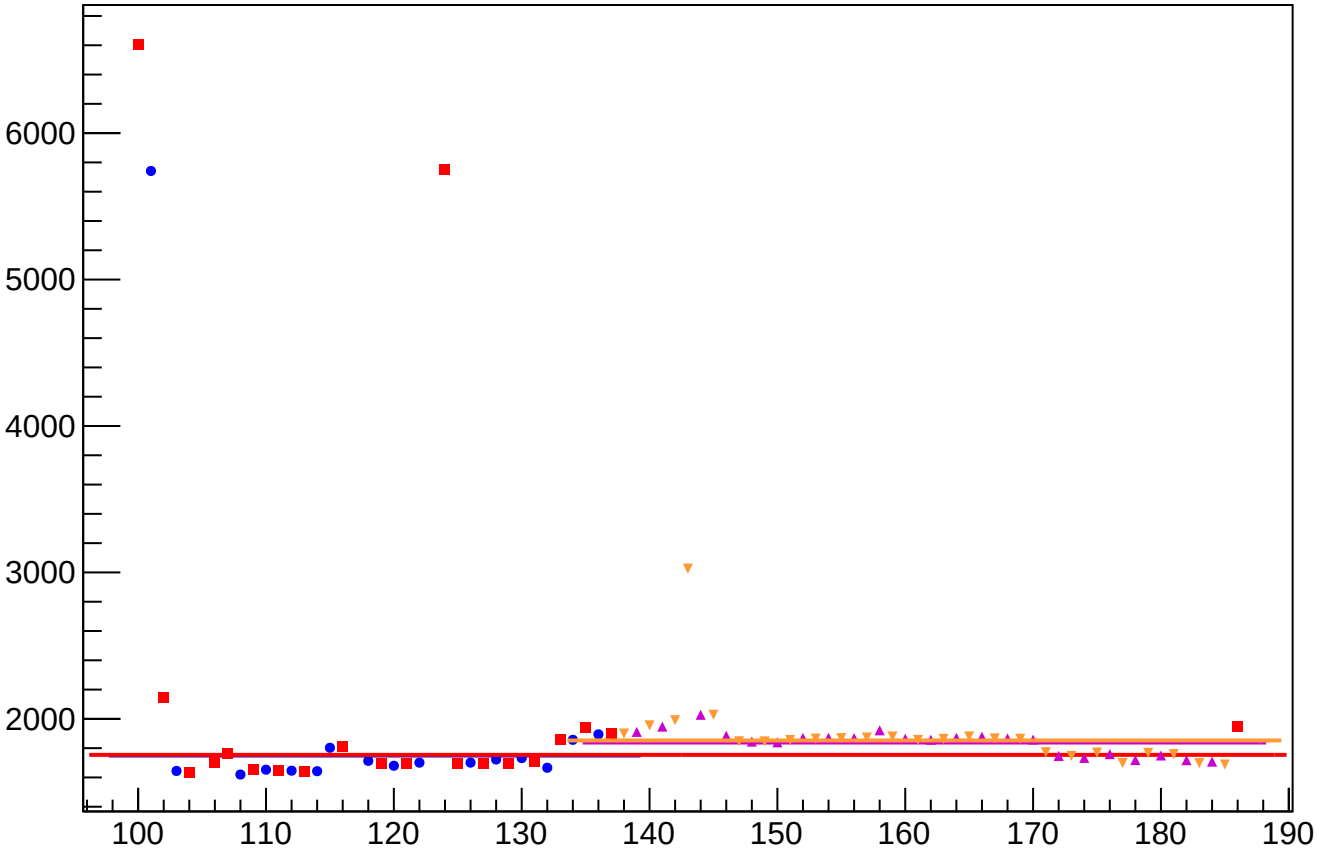
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 759.569+/-356.974 χ^2/NDF: 66.2/40

All: 428.113+/-252.366 χ^2/NDF: 104.6/83

- sign 96.935+/-356.824 χ^2/NDF: 36.7/42

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1754.179+/-0.451 χ^2/NDF: 306516.4/19

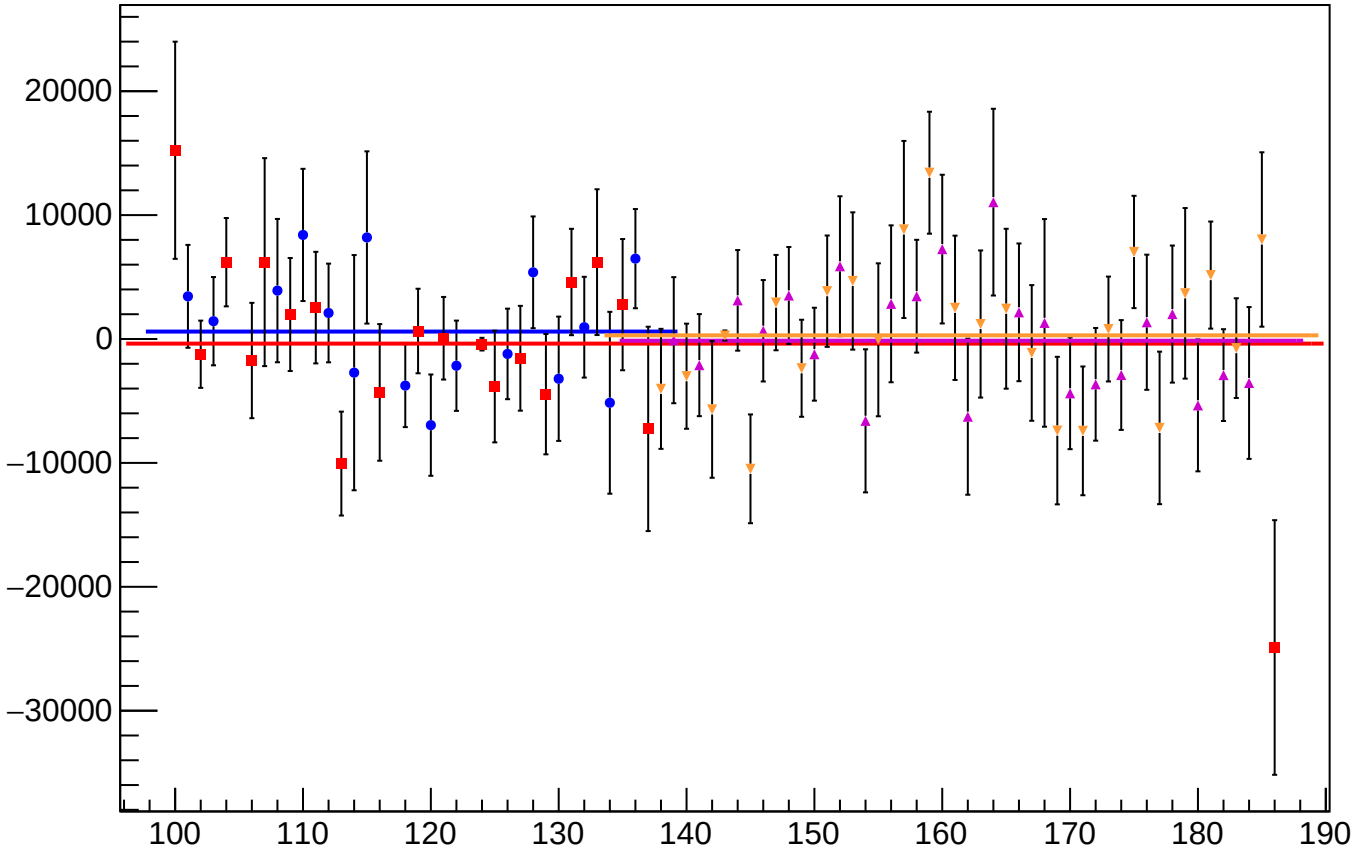
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1823.129+/-0.252 χ^2/NDF: 1024427.5/40

All: 1817.663+/-0.178 χ^2/NDF: 1424399.6/83

- sign 1812.215+/-0.252 χ^2/NDF: 399036.0/42

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -372.075+/-458.406 χ^2/NDF: 24.7/19

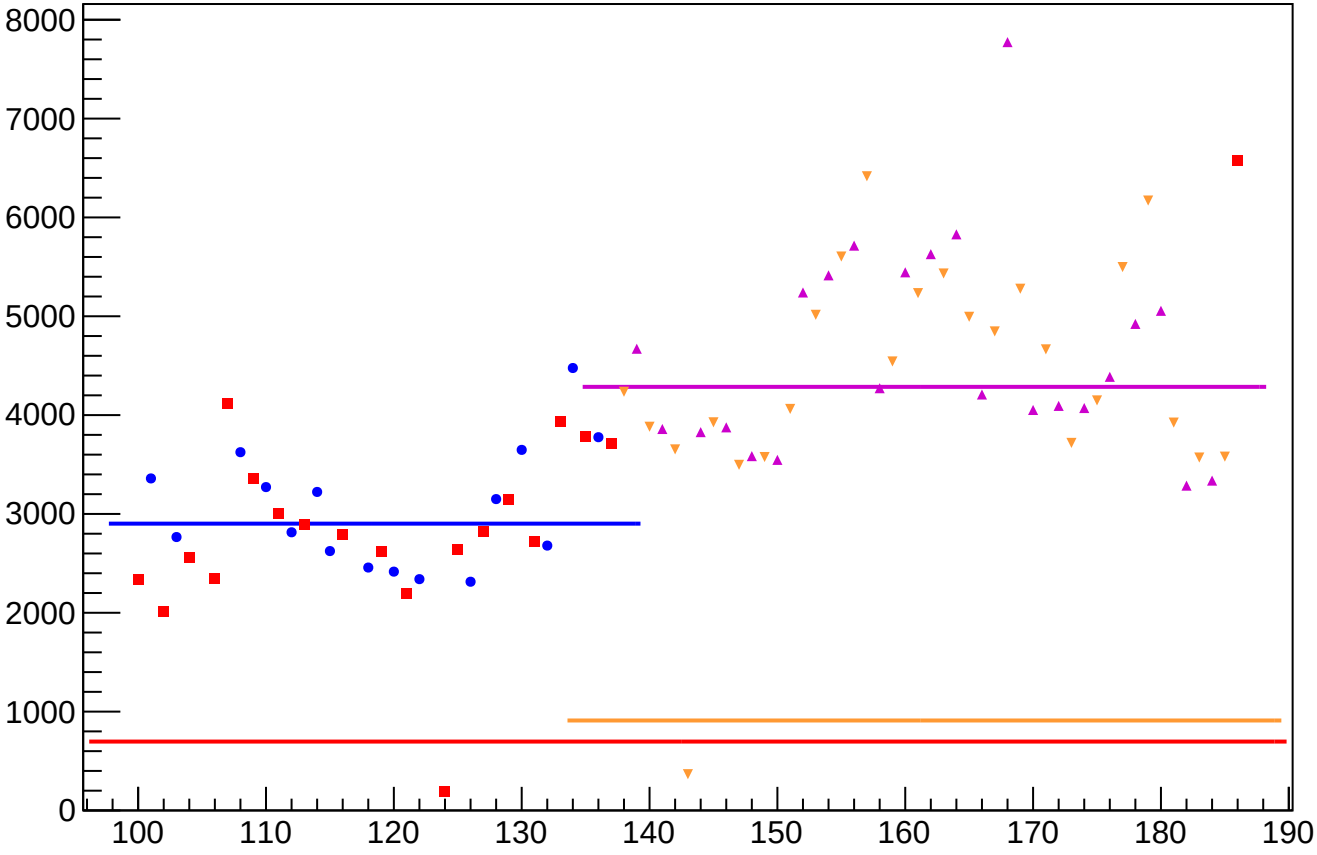
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 327.800+/-359.135 χ^2/NDF: 44.9/40

All: 47.427+/-272.491 χ^2/NDF: 85.0/83

- sign -332.976+/-418.323 χ^2/NDF: 38.7/42

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 696.972+/-0.324 χ^2/NDF: 10760815.7/19

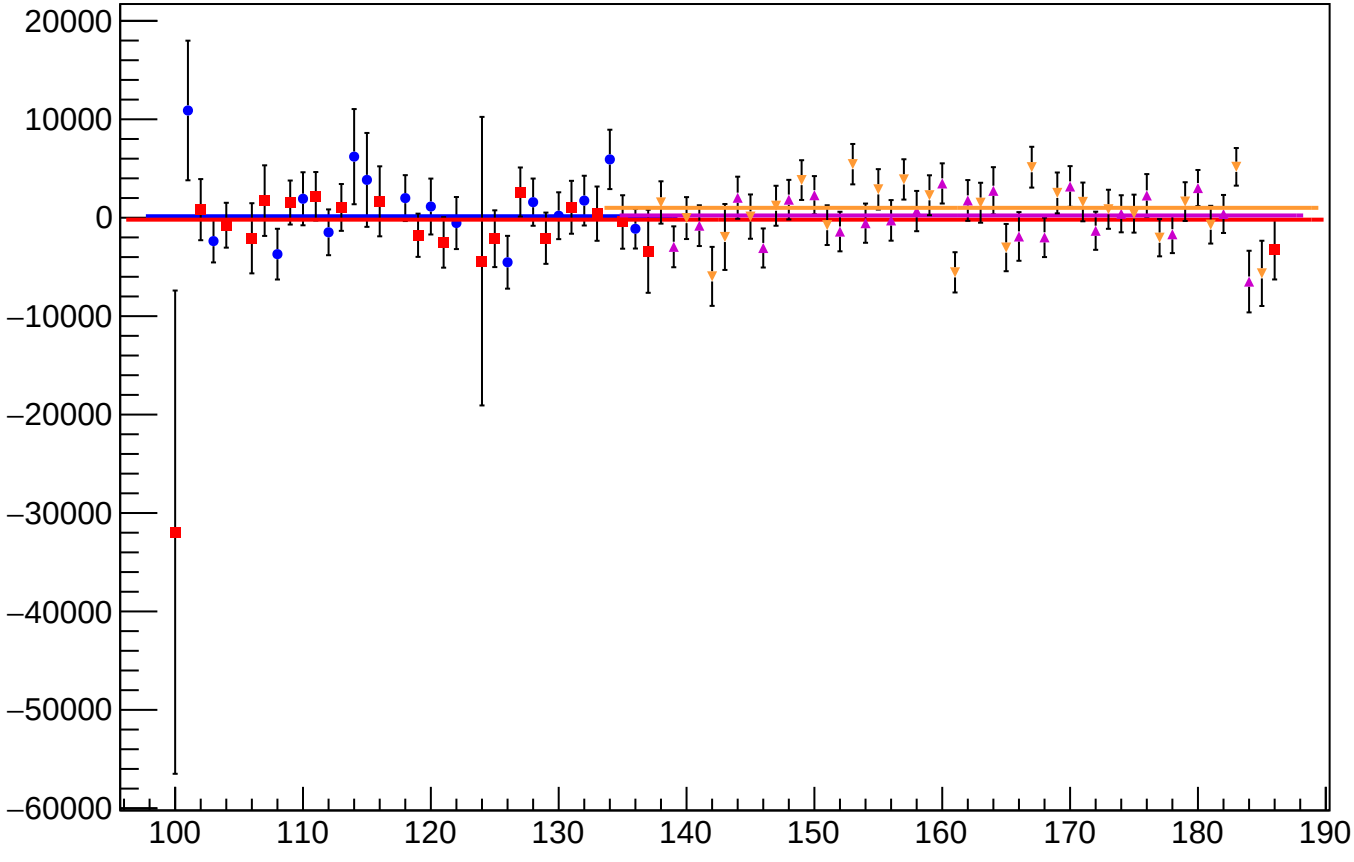
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1122.498+/-0.254 χ^2/NDF: 33110080.1/40

All: 1196.603+/-0.193 χ^2/NDF: 65900062.2/8

- sign 1297.148+/-0.296 χ^2/NDF: 32589288.0/42

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -196.956+/-640.436 χ^2/NDF: 10.0/19

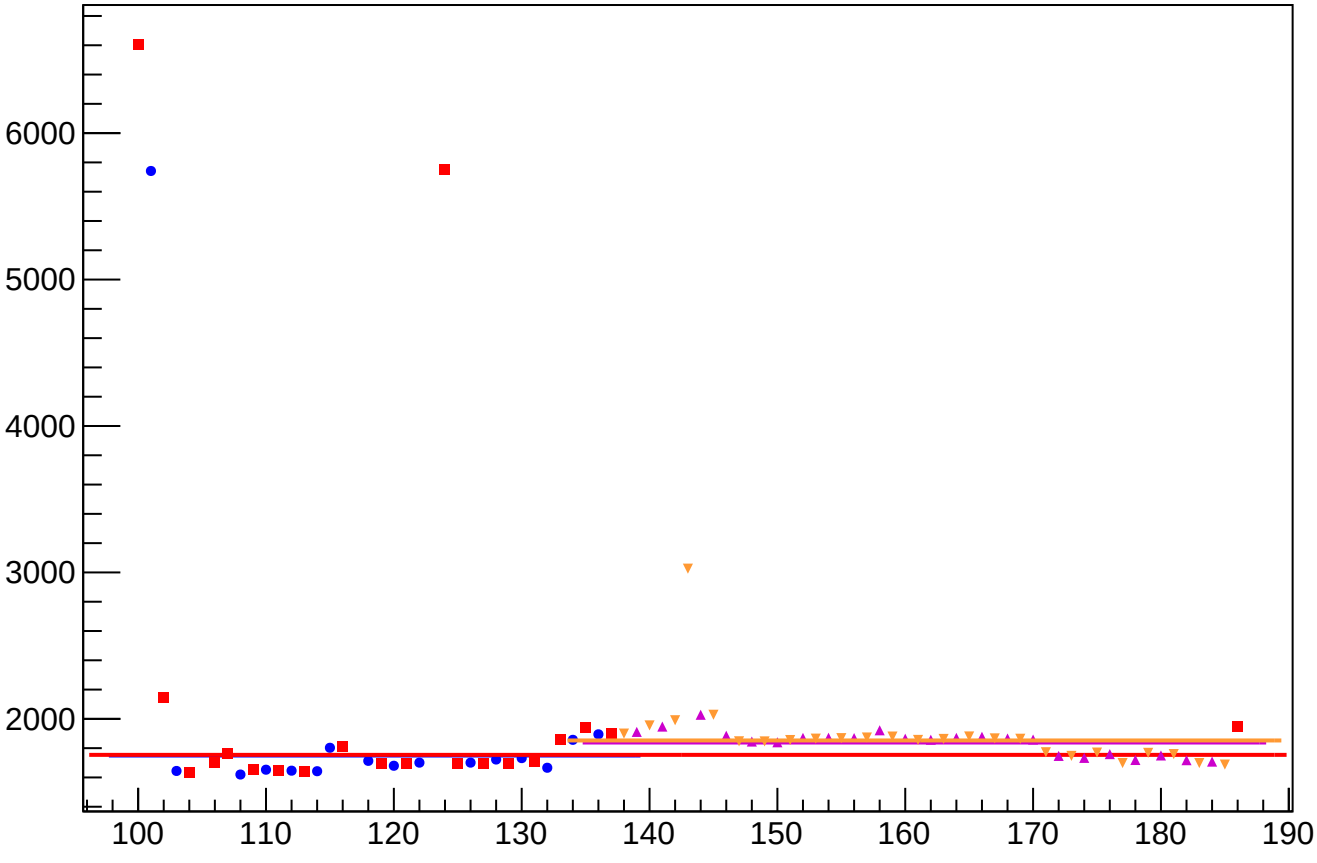
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 759.569+/-356.974 χ^2/NDF: 66.2/40

All: 428.113+/-252.366 χ^2/NDF: 104.6/83

- sign 96.935+/-356.824 χ^2/NDF: 36.7/42

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

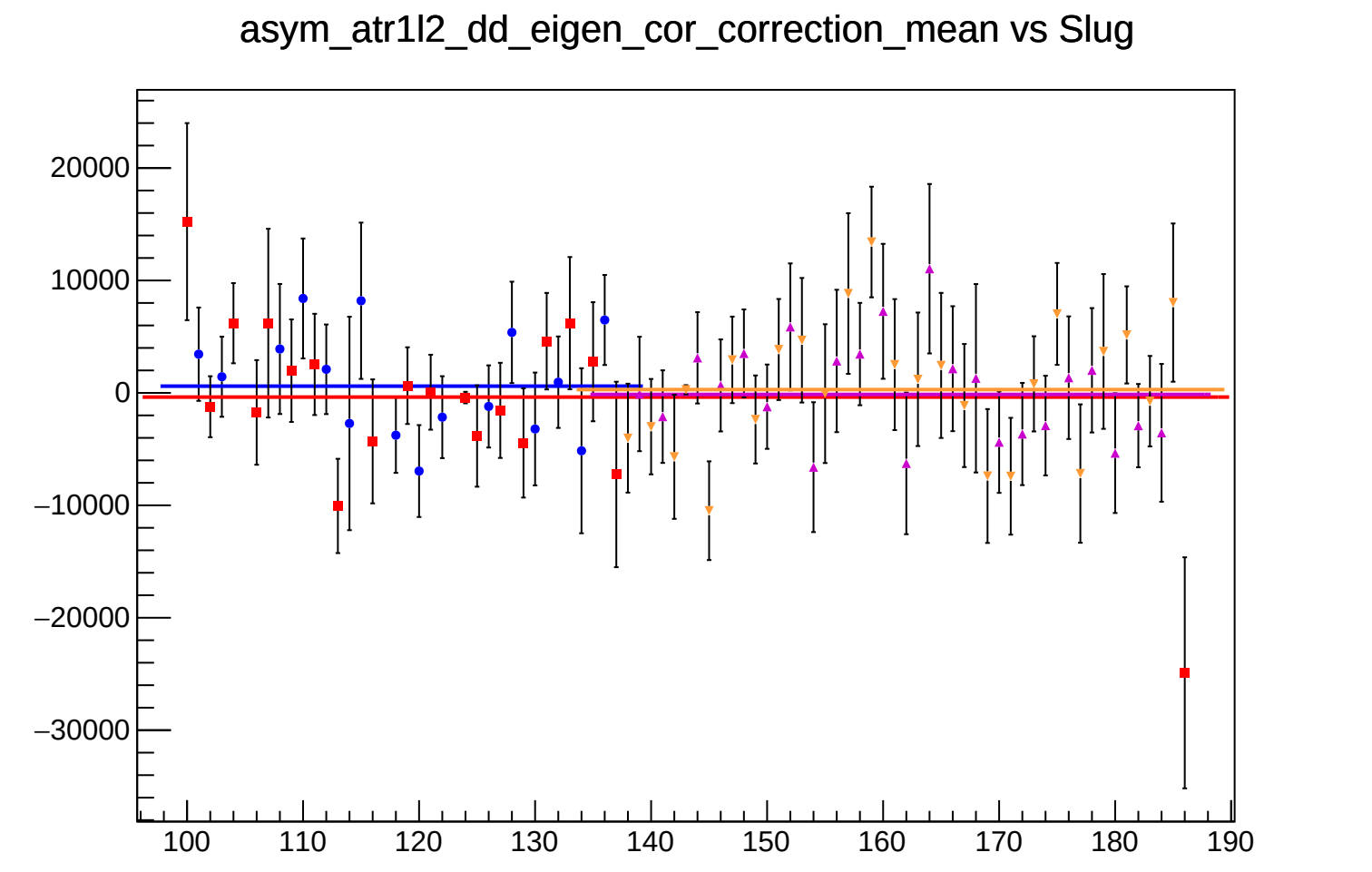
Right Out: 1754.179+/-0.451 χ^2/NDF: 306516.4/19

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1823.129+/-0.252 χ^2/NDF: 1024427.5/40

All: 1817.663+/-0.178 χ^2/NDF: 1424399.6/83

- sign 1812.215+/-0.252 χ^2/NDF: 399036.0/42



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -372.075+/-458.406 χ^2/NDF: 24.7/19

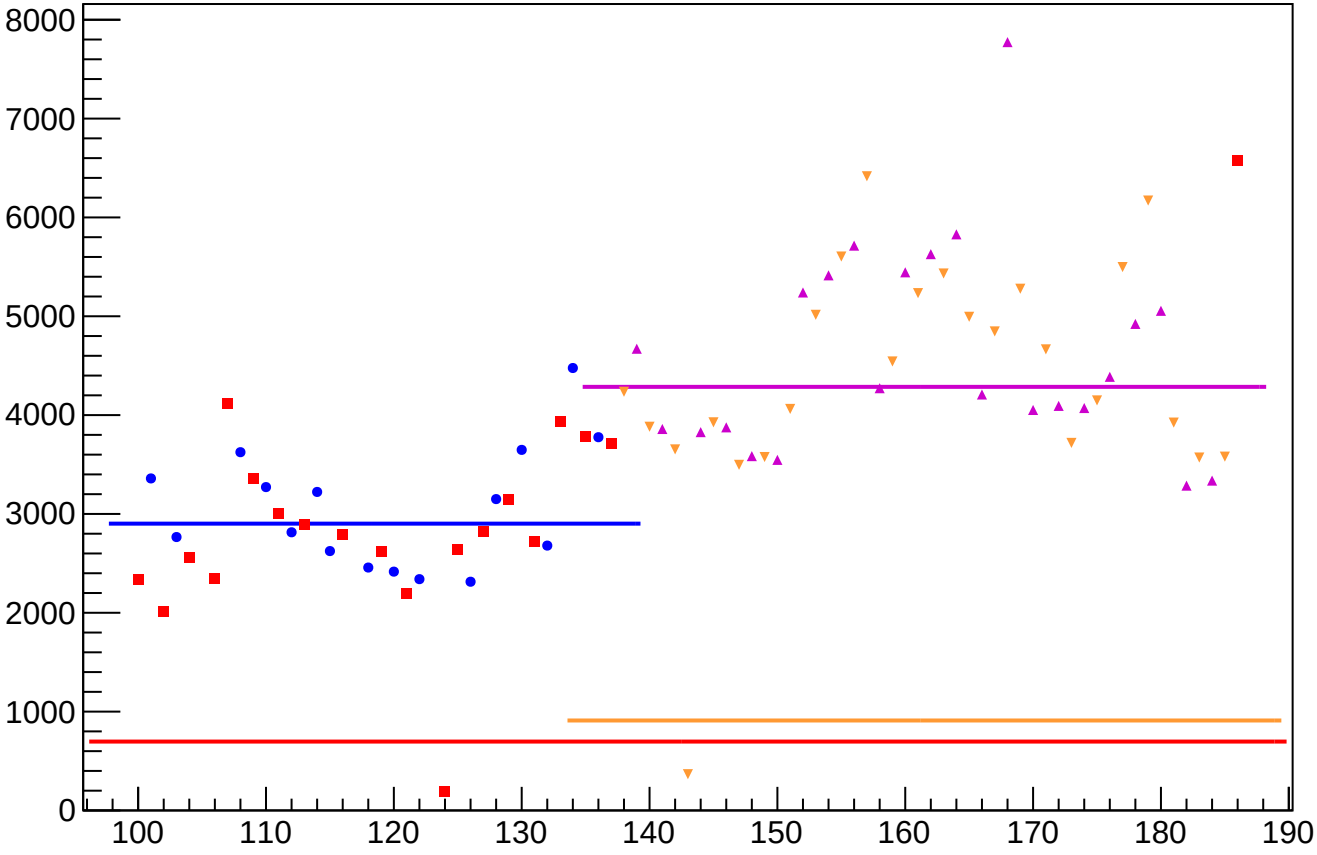
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 327.800+/-359.135 χ^2/NDF: 44.9/40

All: 47.427+/-272.491 χ^2/NDF: 85.0/83

- sign -332.976+/-418.323 χ^2/NDF: 38.7/42

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 696.972+/-0.324 χ^2/NDF: 10760815.7/19

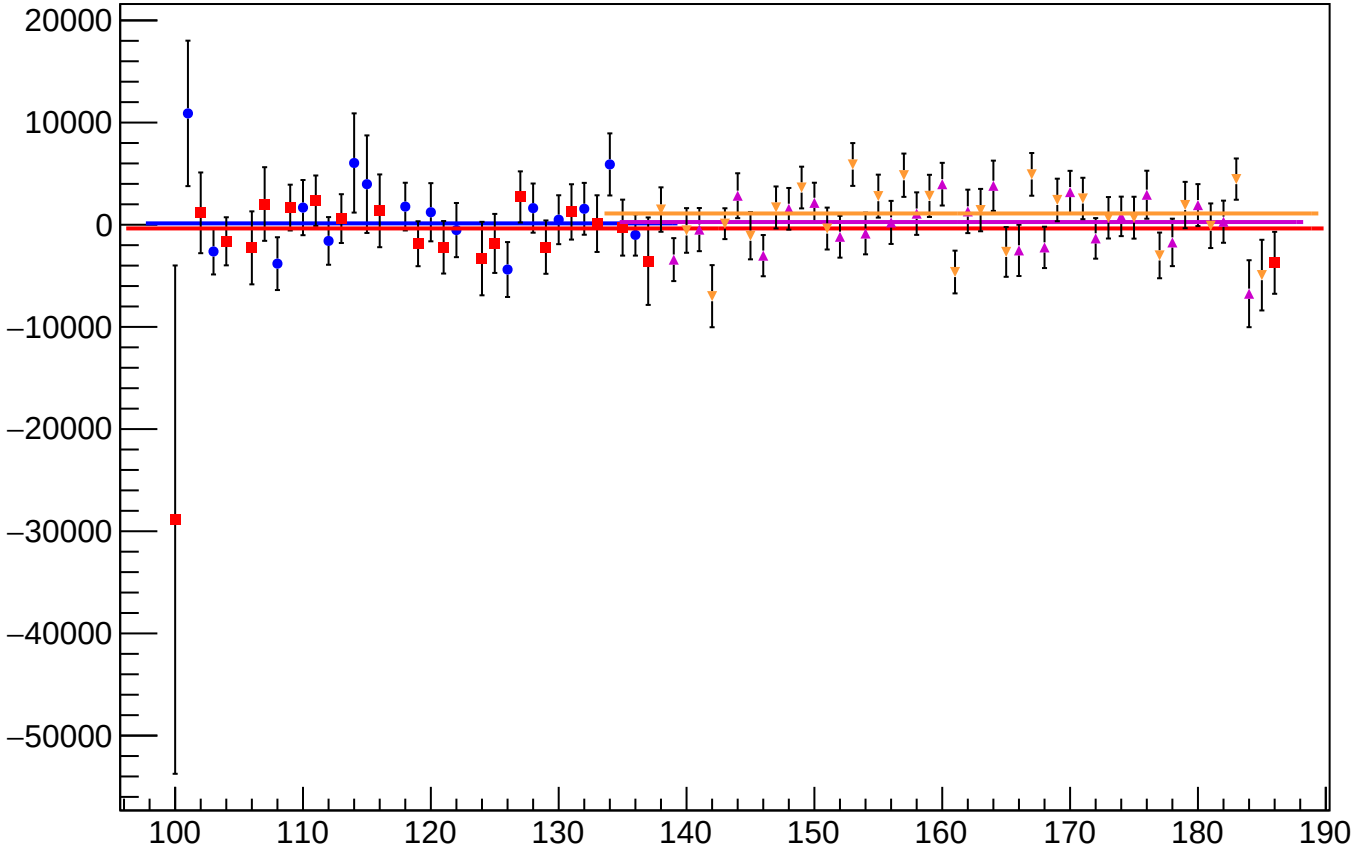
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1122.498+/-0.254 χ^2/NDF: 33110080.1/40

All: 1196.603+/-0.193 χ^2/NDF: 65900062.2/8

- sign 1297.148+/-0.296 χ^2/NDF: 32589288.0/42

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -362.035+/-639.719 χ^2/NDF: 11.0/19

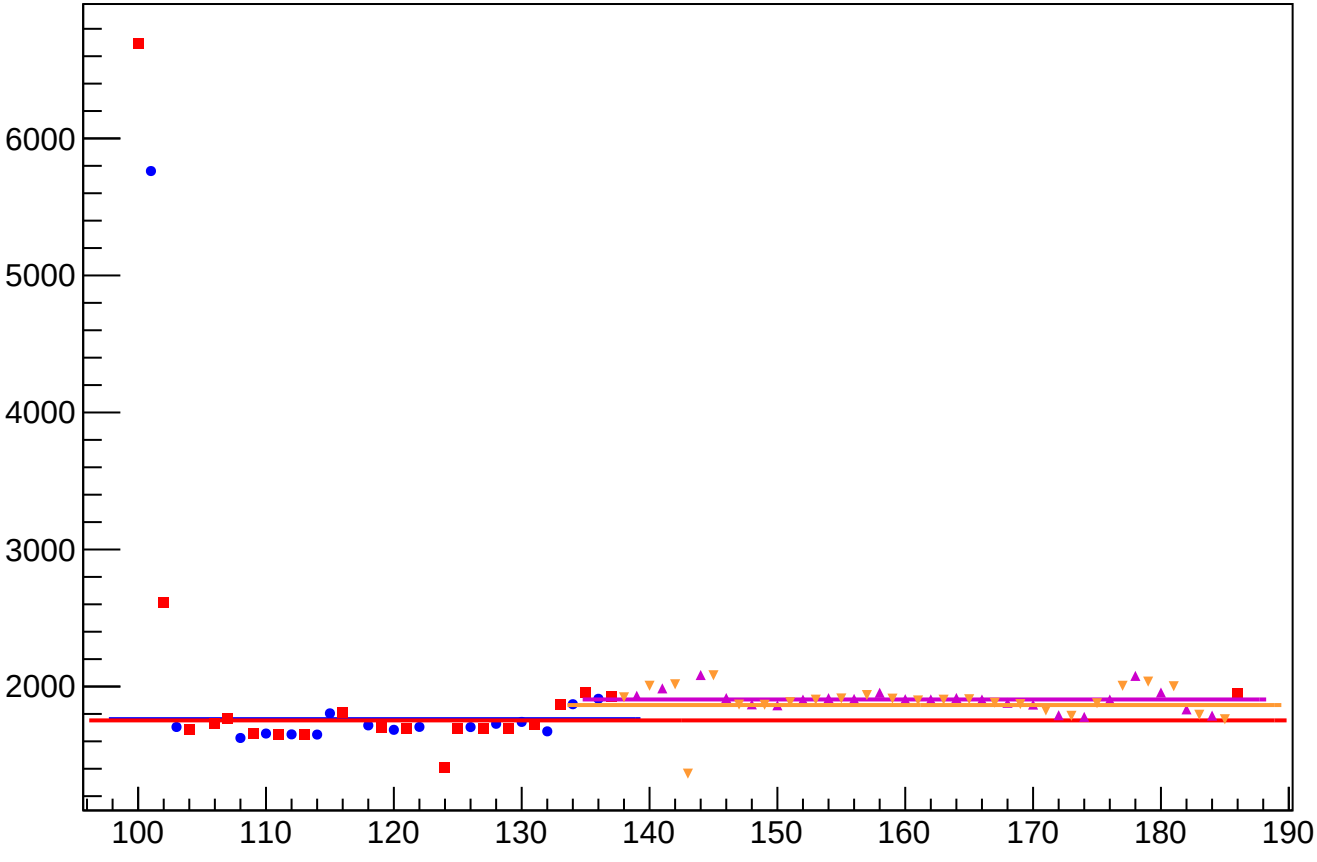
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 825.804+/-359.328 χ^2/NDF: 63.6/40

All: 449.449+/-256.239 χ^2/NDF: 105.1/83

- sign 60.046+/-365.504 χ^2/NDF: 39.3/42

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1752.894+/-0.451 χ^2/NDF: 236688.3/19

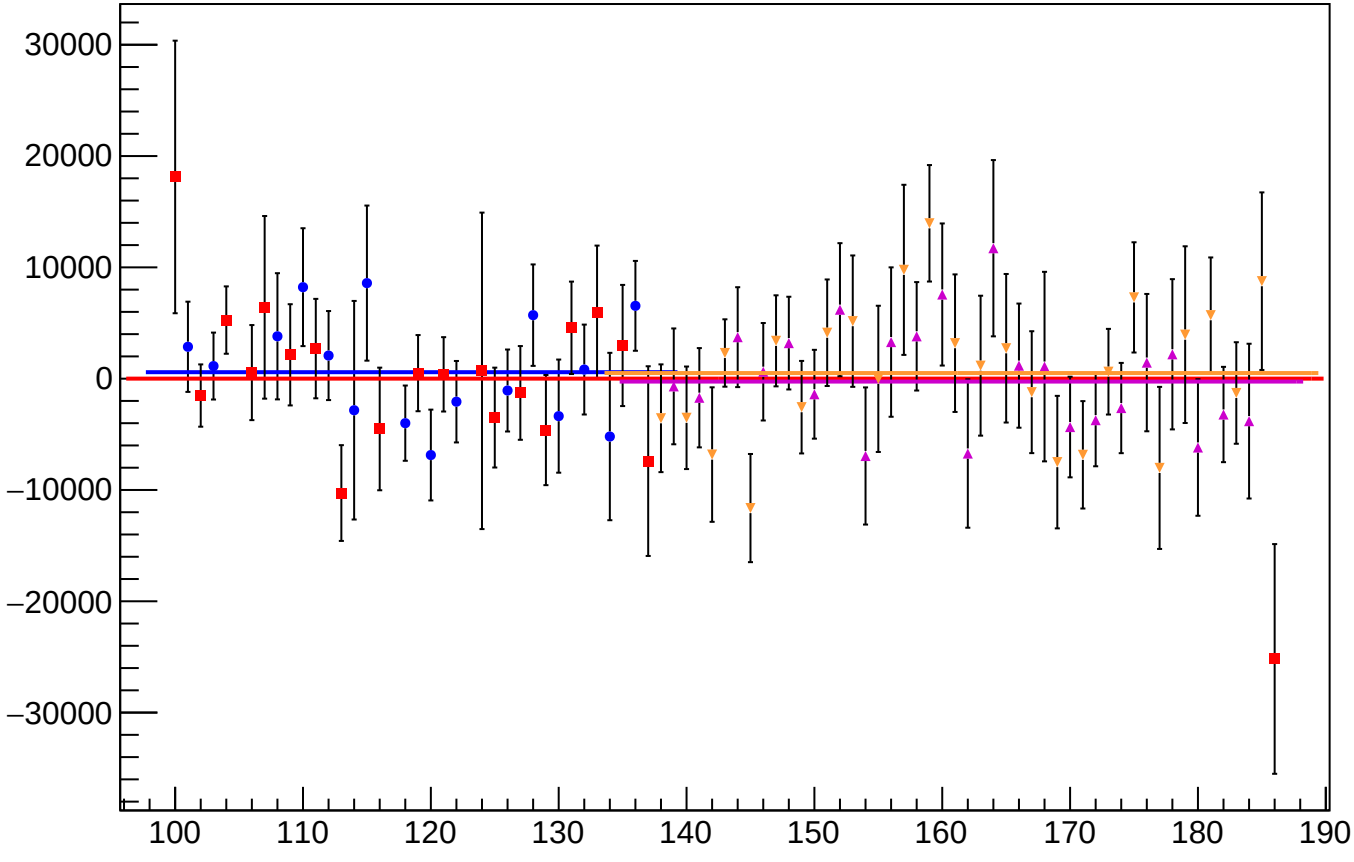
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1835.418+/-0.254 χ^2/NDF: 995845.5/40

All: 1845.338+/-0.181 χ^2/NDF: 1365488.1/83

- sign 1855.583+/-0.258 χ^2/NDF: 366544.0/42

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 3.665+/-1016.051 χ^2/NDF: 23.9/19

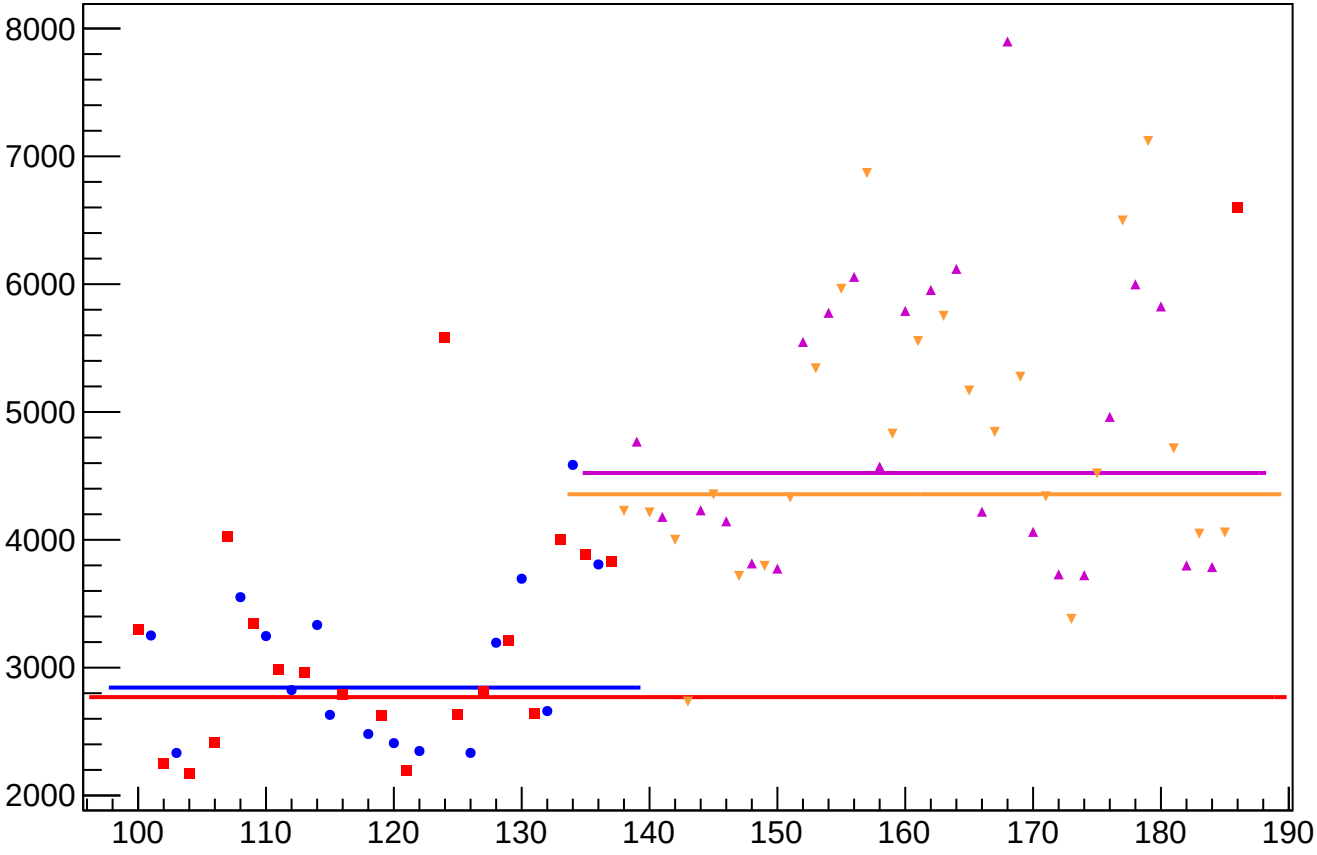
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 541.027+/-742.680 χ^2/NDF: 44.9/40

All: 209.307+/-524.375 χ^2/NDF: 82.9/83

- sign -120.453+/-740.482 χ^2/NDF: 37.6/42

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 2769.470+/-0.718 χ^2/NDF: 889437.7/19

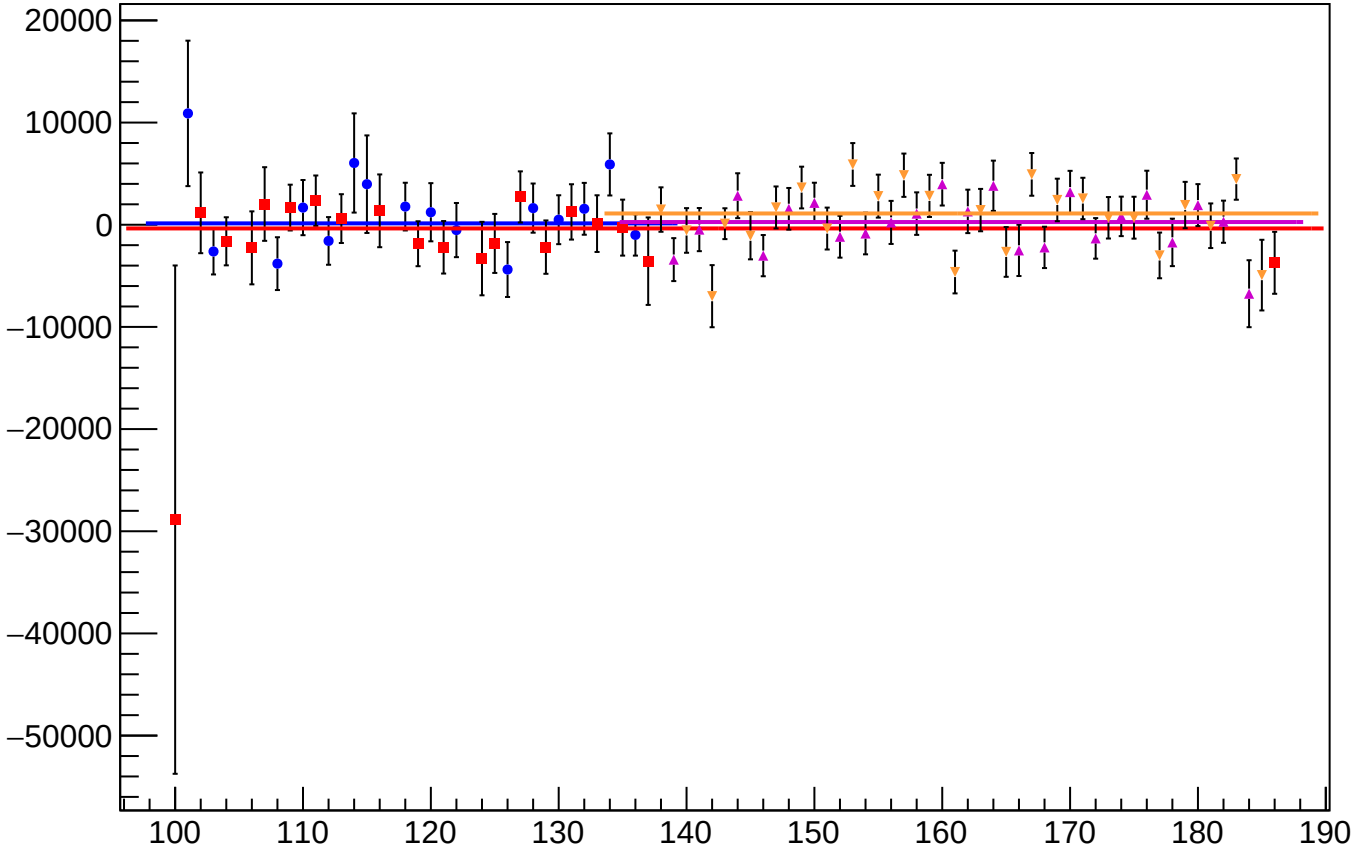
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3643.366+/-0.525 χ^2/NDF: 4521390.6/40

All: 3617.383+/-0.371 χ^2/NDF: 9642102.4/83

- sign 3591.553+/-0.524 χ^2/NDF: 5115830.2/42

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -362.030+/-639.719 χ^2/NDF: 11.0/19

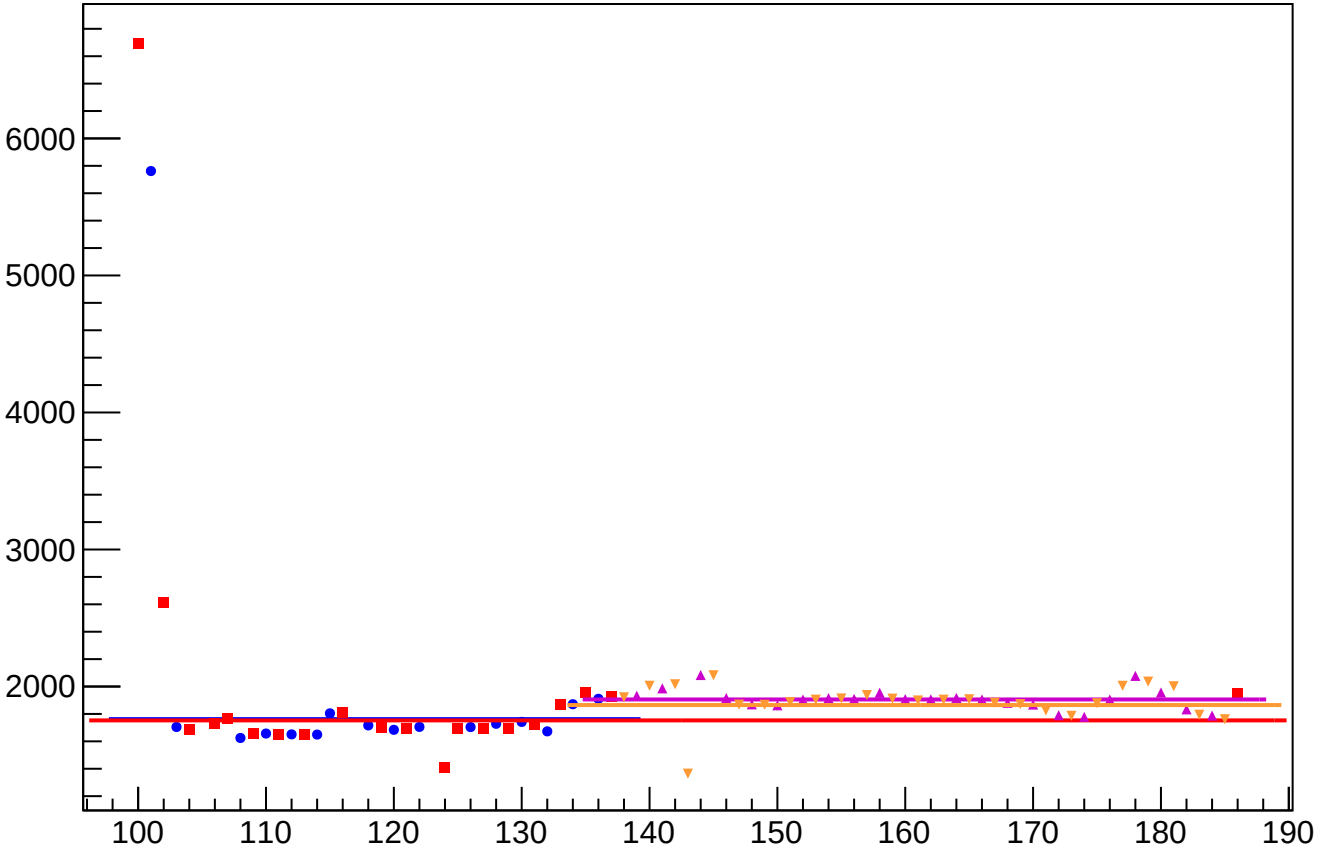
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 825.805+/-359.328 χ^2/NDF: 63.6/40

All: 449.450+/-256.239 χ^2/NDF: 105.1/83

- sign 60.048+/-365.504 χ^2/NDF: 39.3/42

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

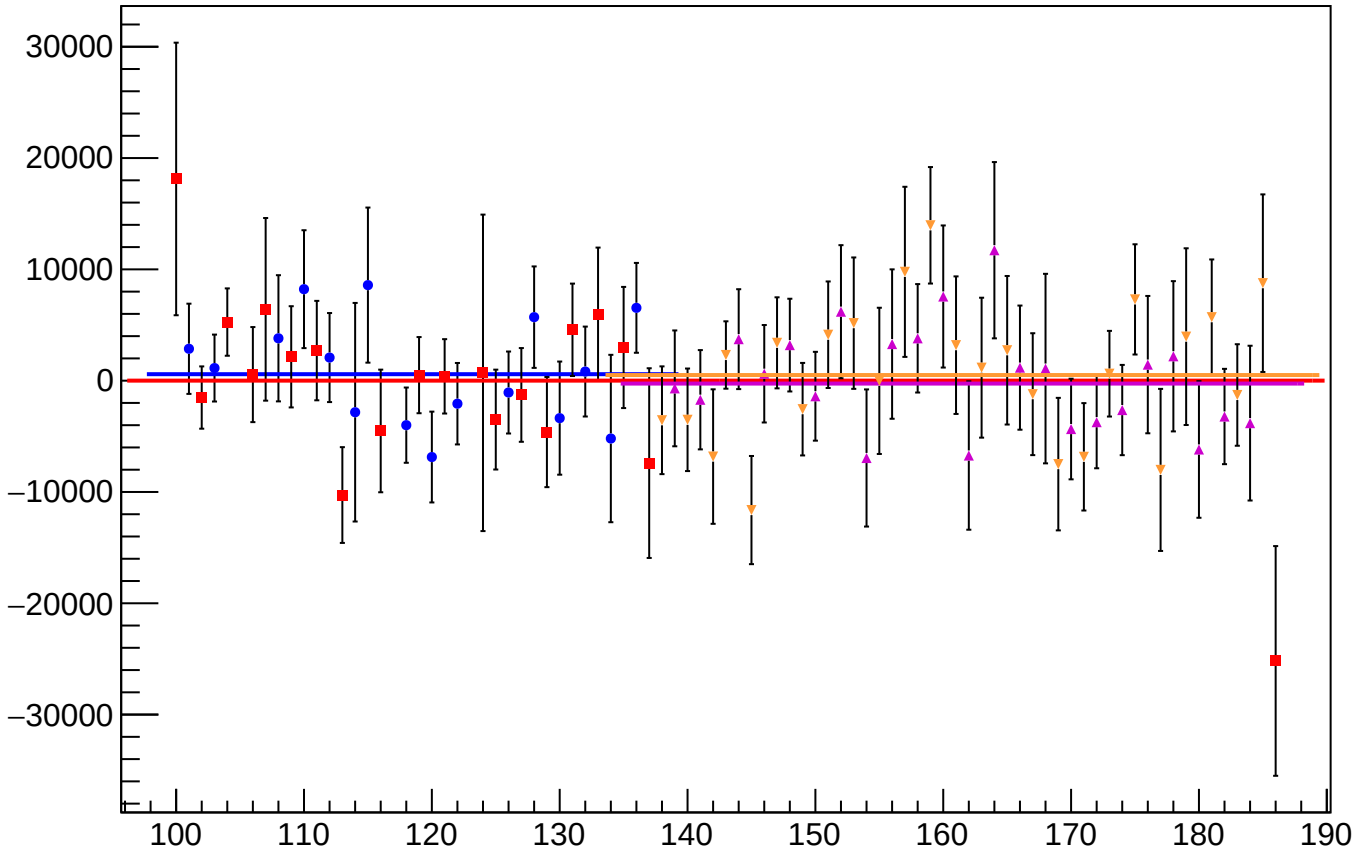
Right Out: 1752.894+/-0.451 χ^2/NDF: 236688.3/19

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1835.419+/-0.254 χ^2/NDF: 995849.5/40

All: 1845.339+/-0.181 χ^2/NDF: 1365495.4/83

- sign 1855.584+/-0.258 χ^2/NDF: 366547.4/42



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: 3.667+/-1016.049 χ^2/NDF: 23.9/19

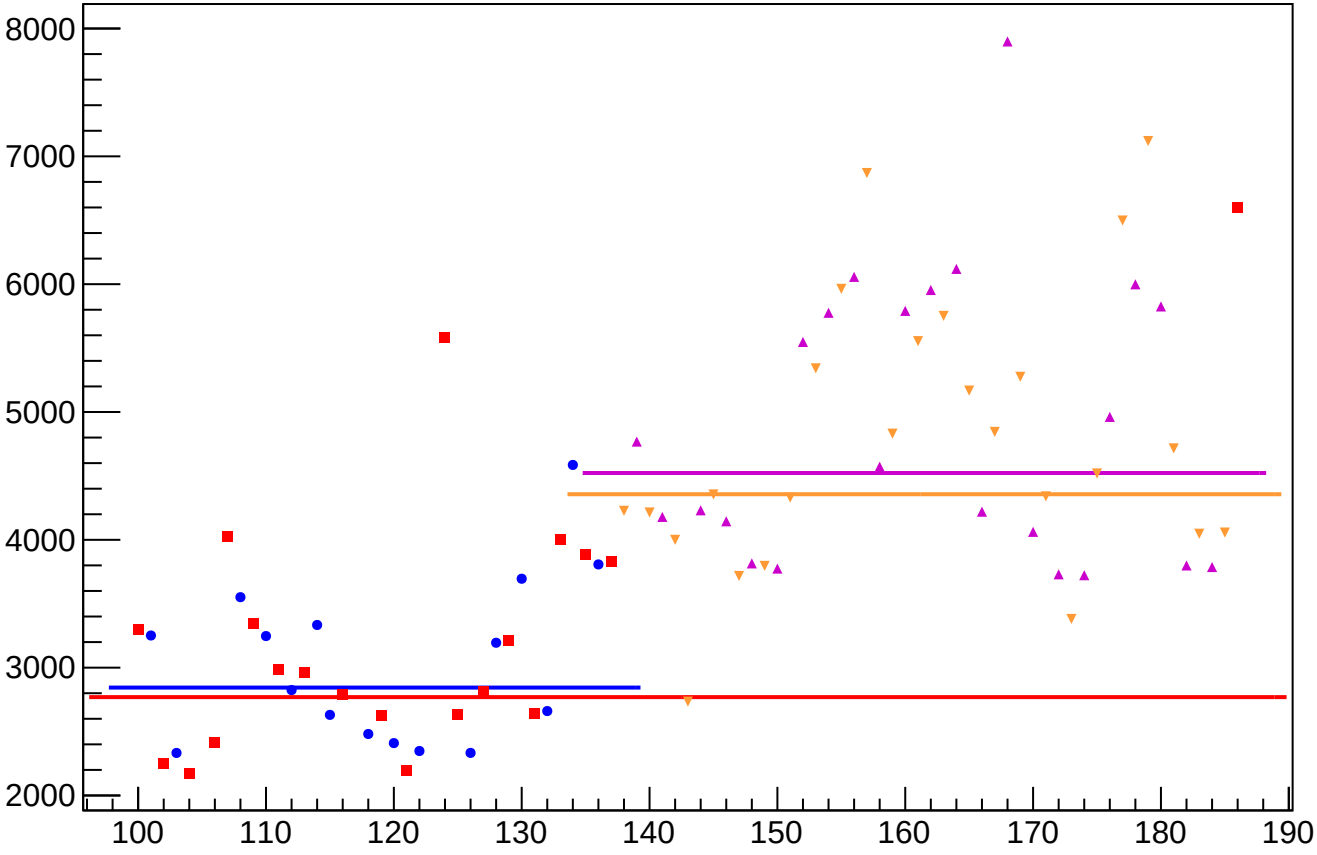
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 541.027+/-742.680 χ^2/NDF: 44.9/40

All: 209.308+/-524.375 χ^2/NDF: 82.9/83

- sign -120.452+/-740.482 χ^2/NDF: 37.6/42

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 2769.464+/-0.718 χ^2/NDF: 889435.6/19

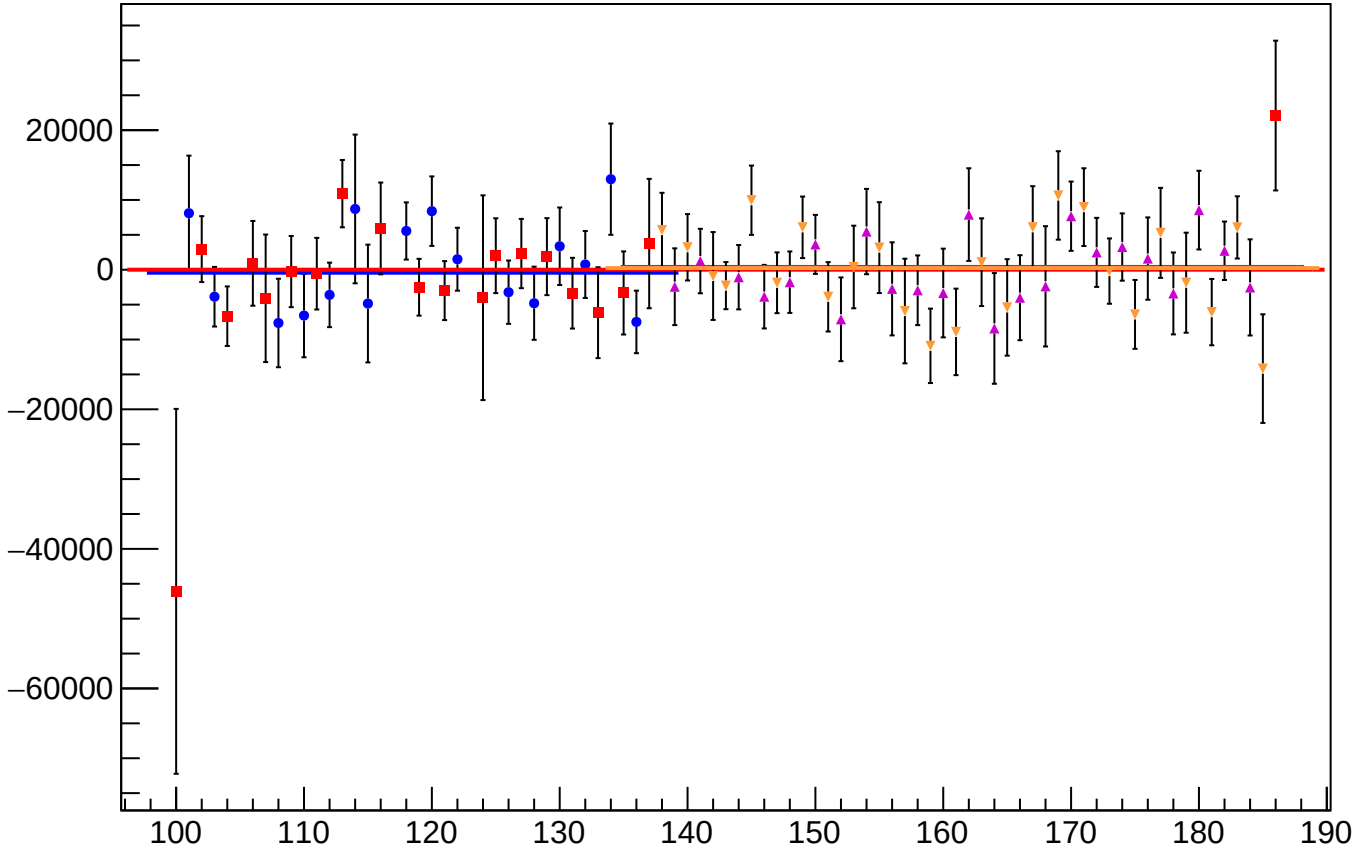
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

\+ sign 3643.363+/-0.525 χ^2/NDF: 4521441.0/40

All: 3617.380+/-0.371 χ^2/NDF: 9642195.1/83

\- sign 3591.550+/-0.524 χ^2/NDF: 5115872.6/42

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 4.362+/-1266.797 χ^2/NDF: 19.6/19

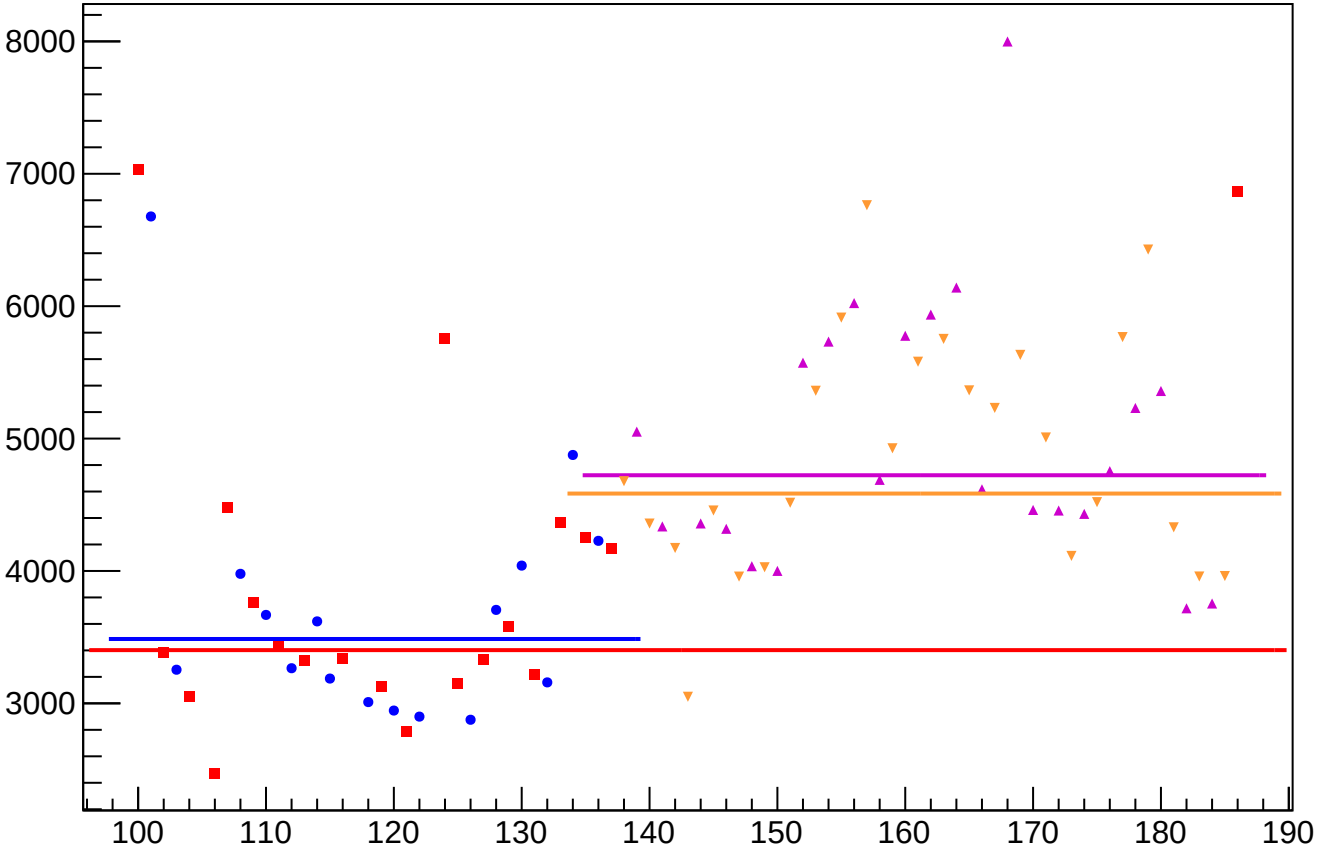
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign -19.670+/-830.482 χ^2/NDF: 50.2/40

All: 101.326+/-590.450 χ^2/NDF: 84.1/83

- sign 225.004+/-839.639 χ^2/NDF: 33.8/42

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

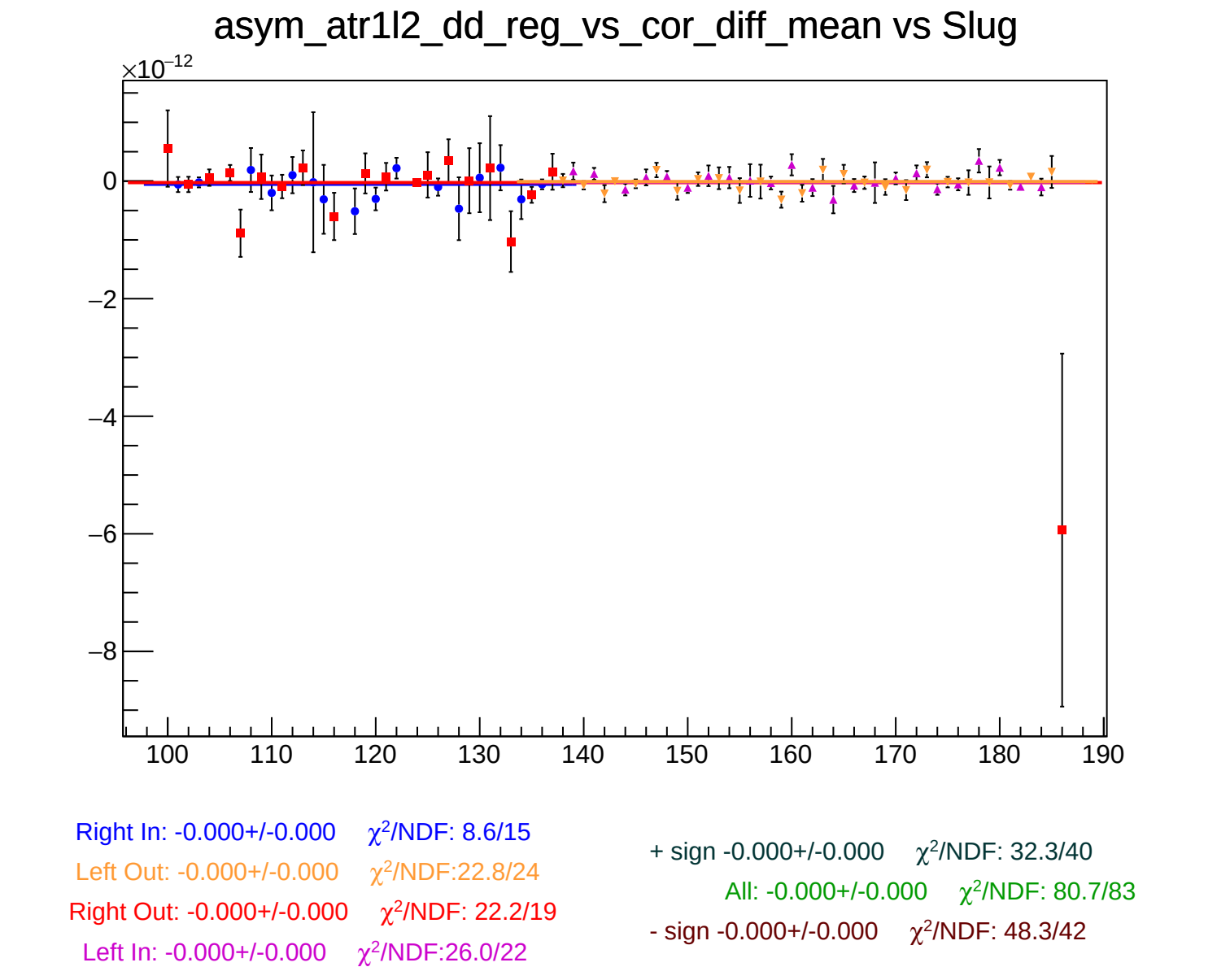
Right Out: 3402.071+/-0.883 χ^2/NDF: 588076.9/19

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

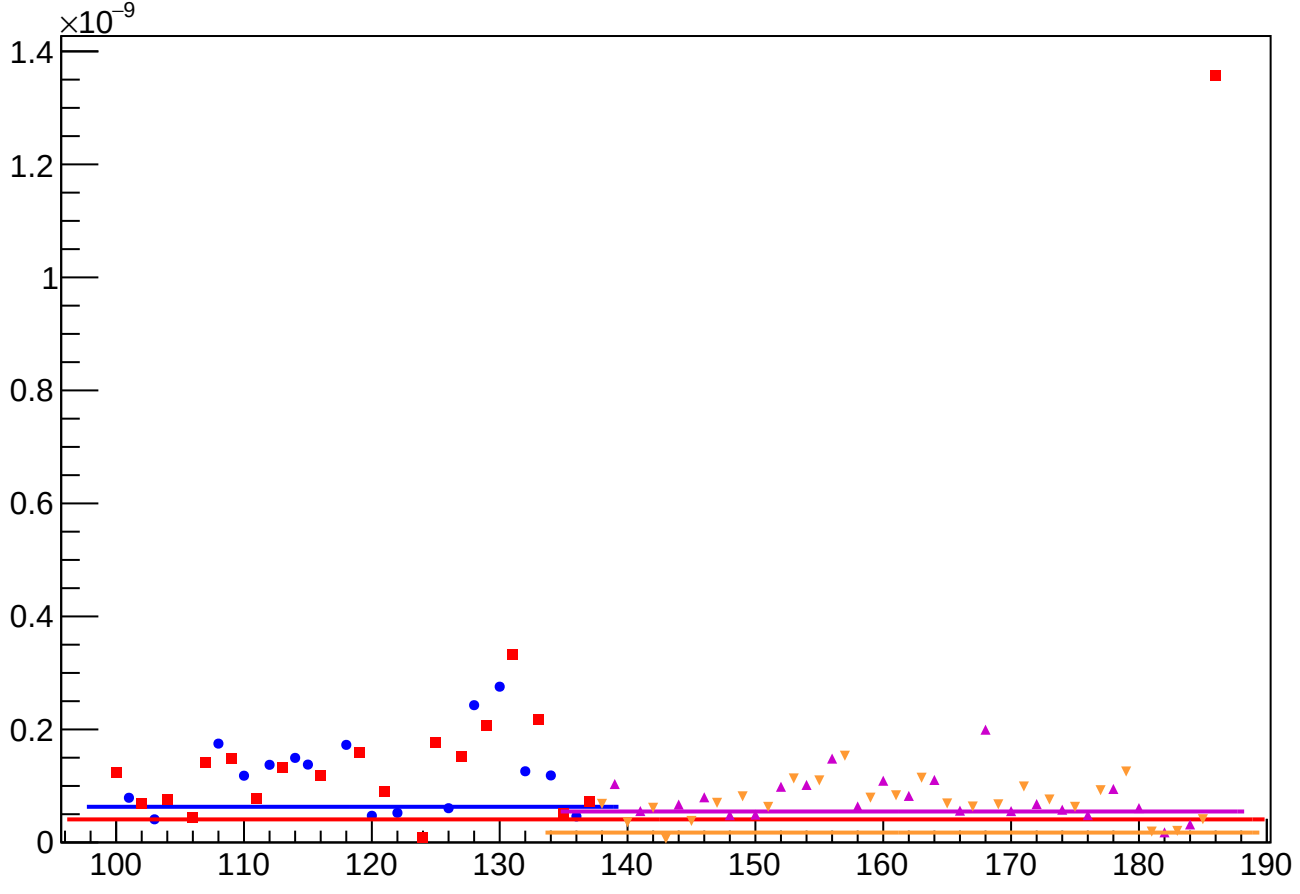
\+ sign 4154.584+/-0.587 χ^2/NDF: 2741129.5/40

All: 4144.186+/-0.416 χ^2/NDF: 5584702.5/83

\- sign 4133.687+/-0.590 χ^2/NDF: 2842943.0/42


asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: -0.000+/-0.000 χ²/NDF:22.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/19
Left In: -0.000+/-0.000 χ²/NDF:26.0/22
+ sign -0.000+/-0.000 χ²/NDF: 32.3/40
All: -0.000+/-0.000 χ²/NDF: 80.7/83
- sign -0.000+/-0.000 χ²/NDF: 48.3/42

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3556993.9/19

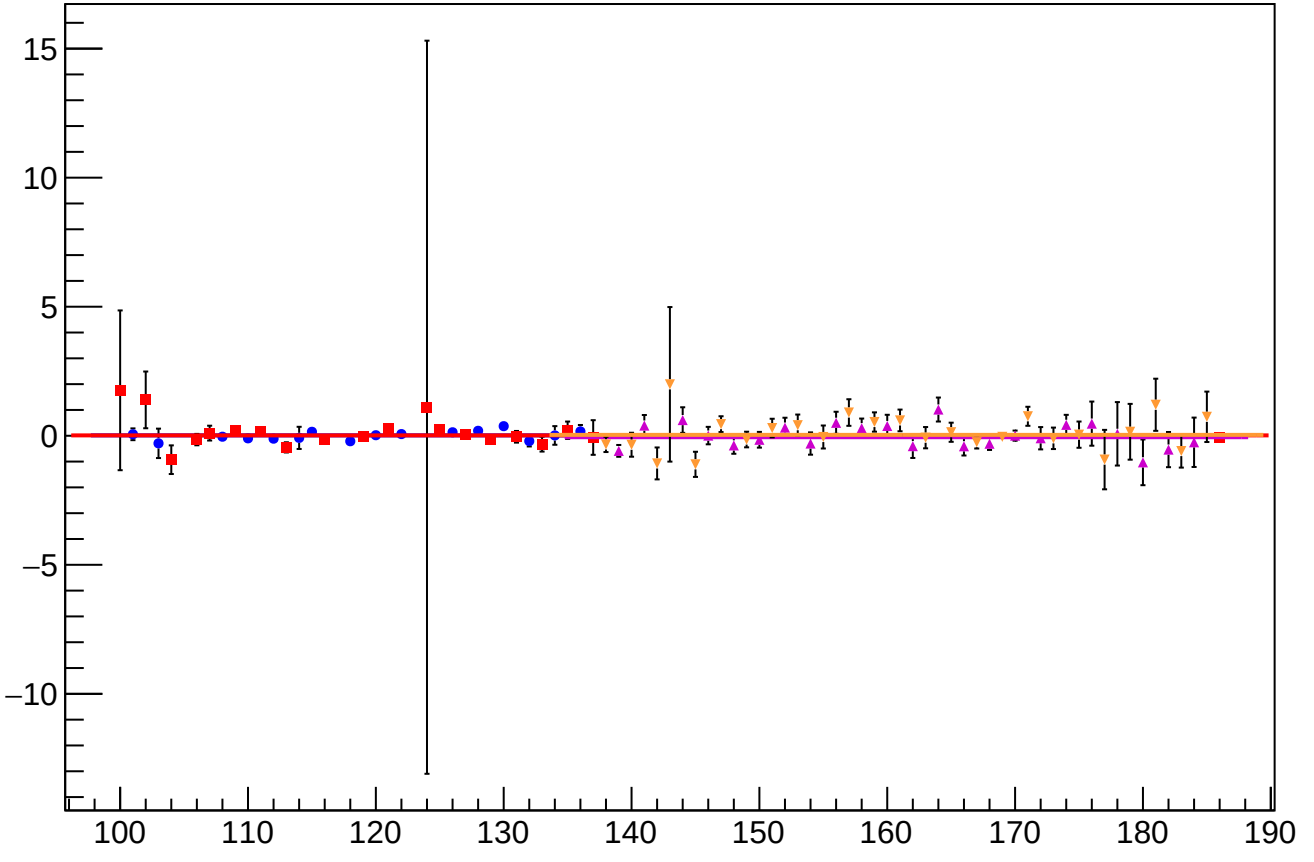
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12280616.9/40

All: 0.000+/-0.000 χ^2/NDF: 22398561.5/83

- sign 0.000+/-0.000 χ^2/NDF: 6567533.9/42

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.015+/-0.043 χ^2/NDF: 22.5/19

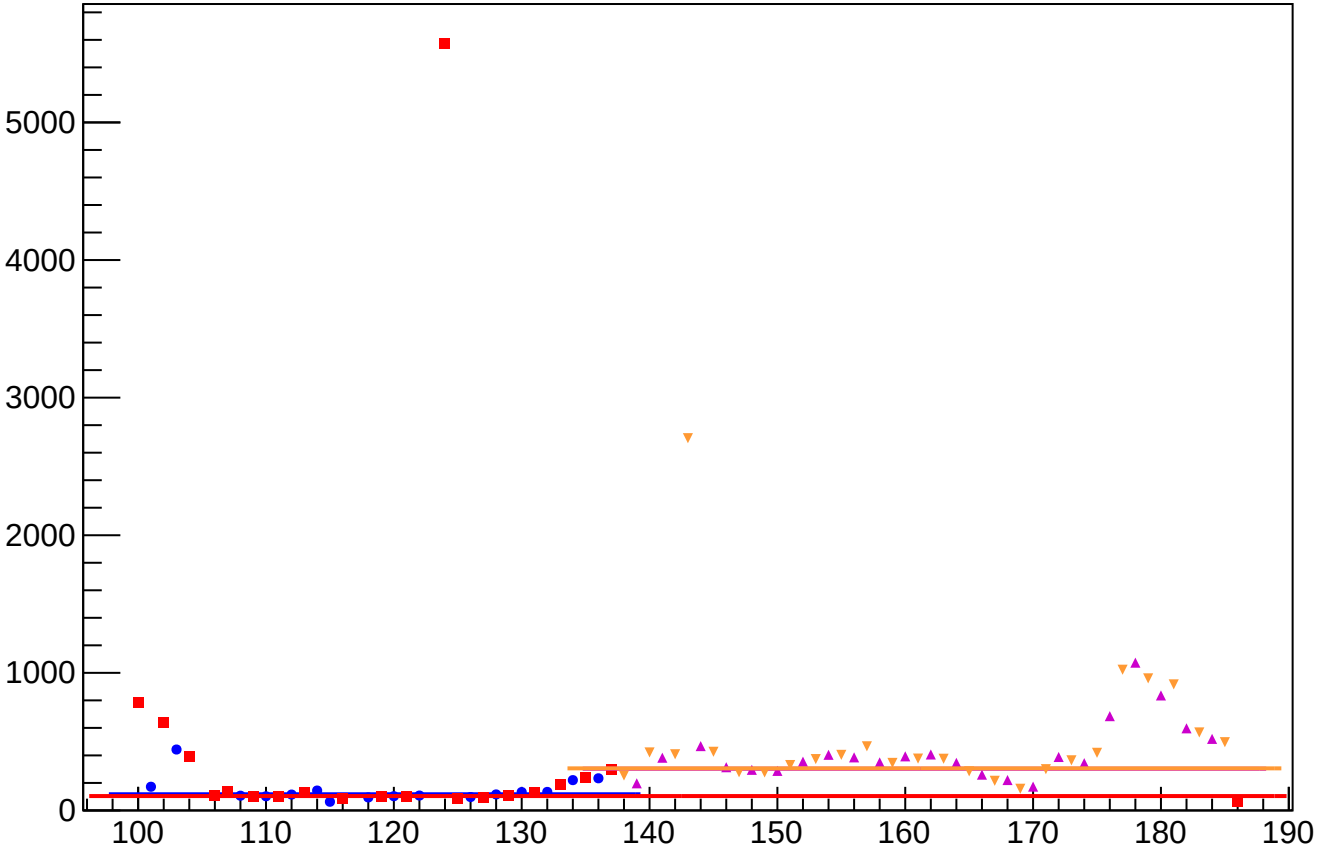
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.020+/-0.041 χ^2/NDF: 42.3/40

All: 0.008+/-0.028 χ^2/NDF: 91.6/83

- sign -0.002+/-0.038 χ^2/NDF: 49.2/42

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

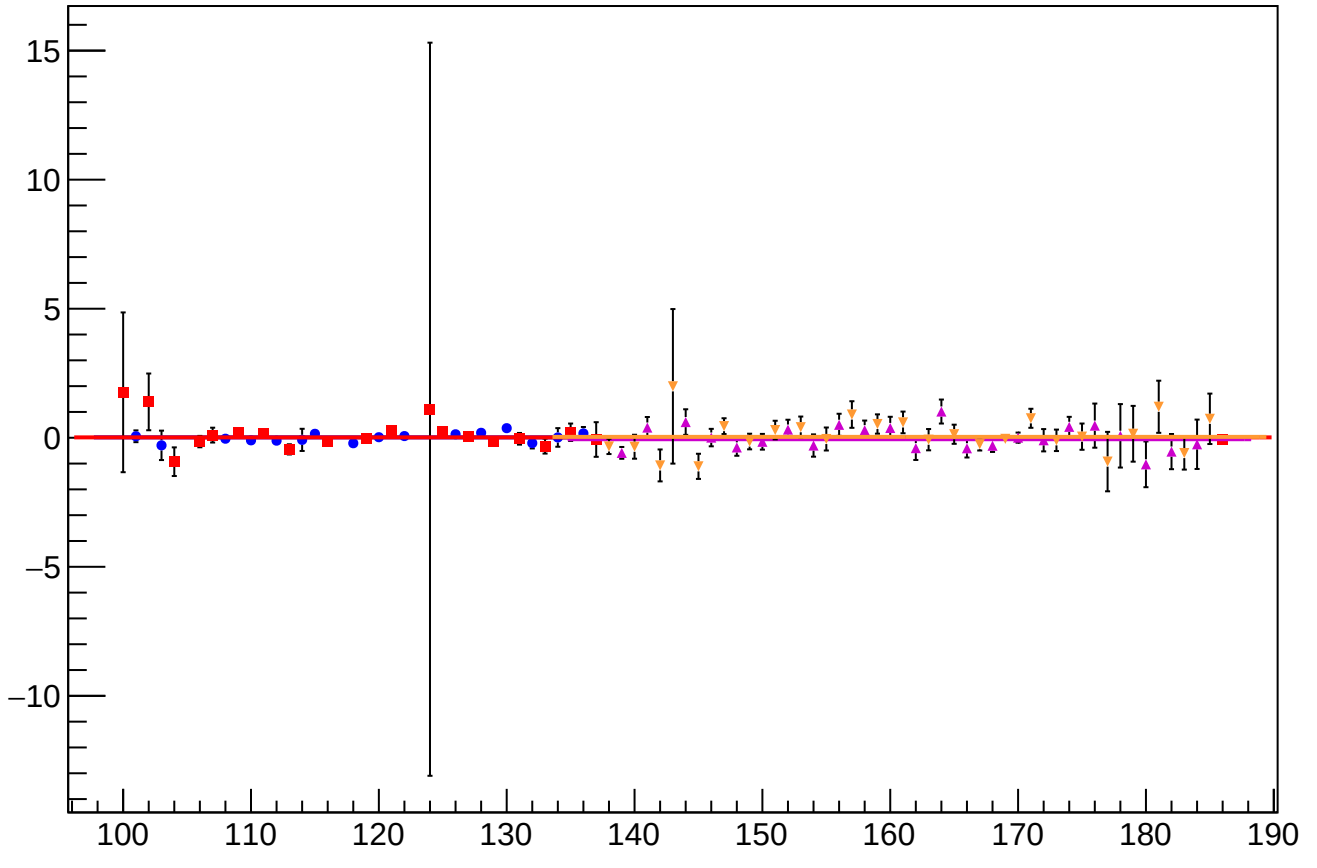
Right Out: 104.617+/-0.031 χ^2/NDF: 2532019.9/19

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 169.265+/-0.029 χ^2/NDF: 16831842.2/40

All: 159.918+/-0.020 χ^2/NDF: 34434302.7/83

- sign 151.928+/-0.027 χ^2/NDF: 17407800.5/42



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

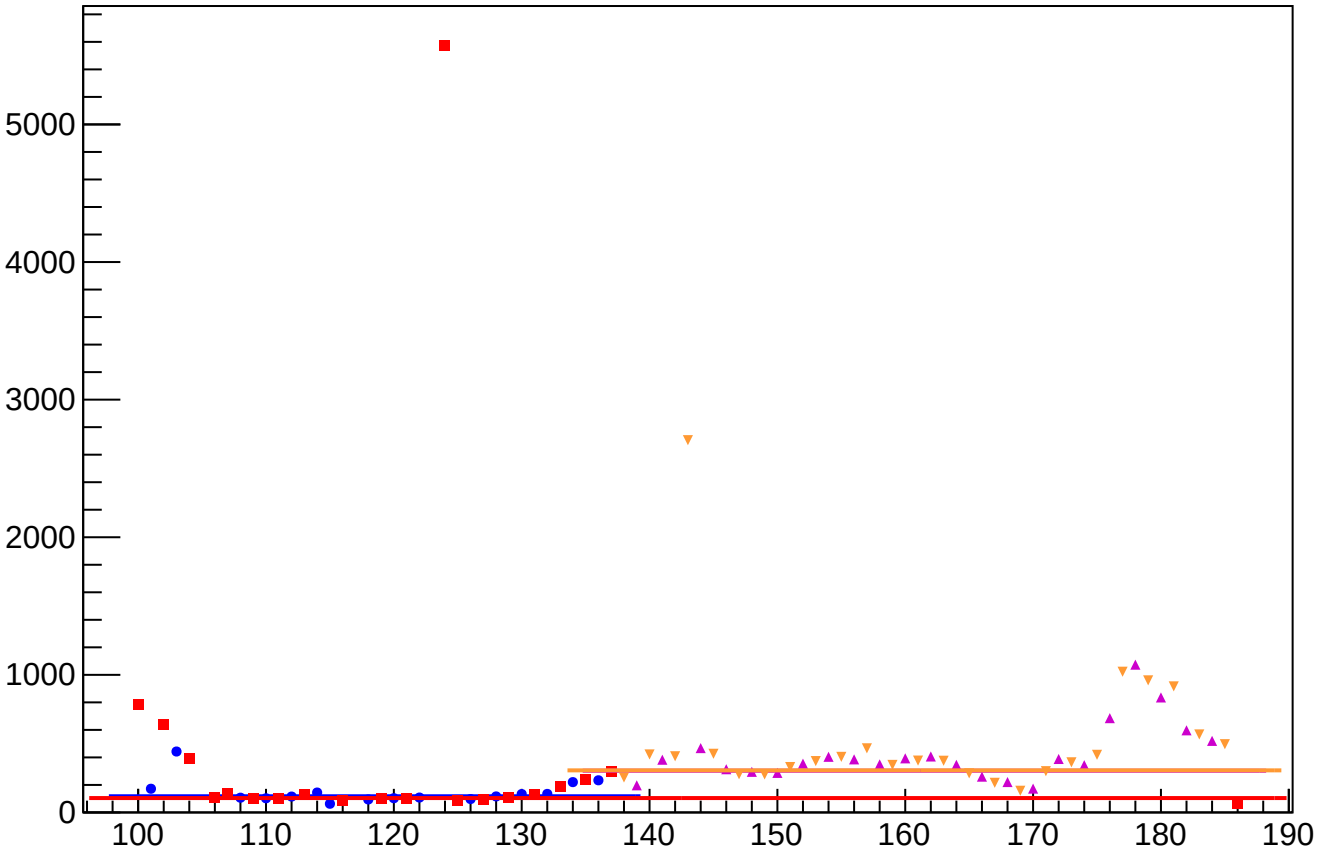
Right Out: 0.015+/-0.043 χ^2/NDF: 22.5/19

Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.020+/-0.041 χ^2/NDF: 42.3/40

All: 0.008+/-0.028 χ^2/NDF: 91.6/83

- sign -0.002+/-0.038 χ^2/NDF: 49.2/42



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

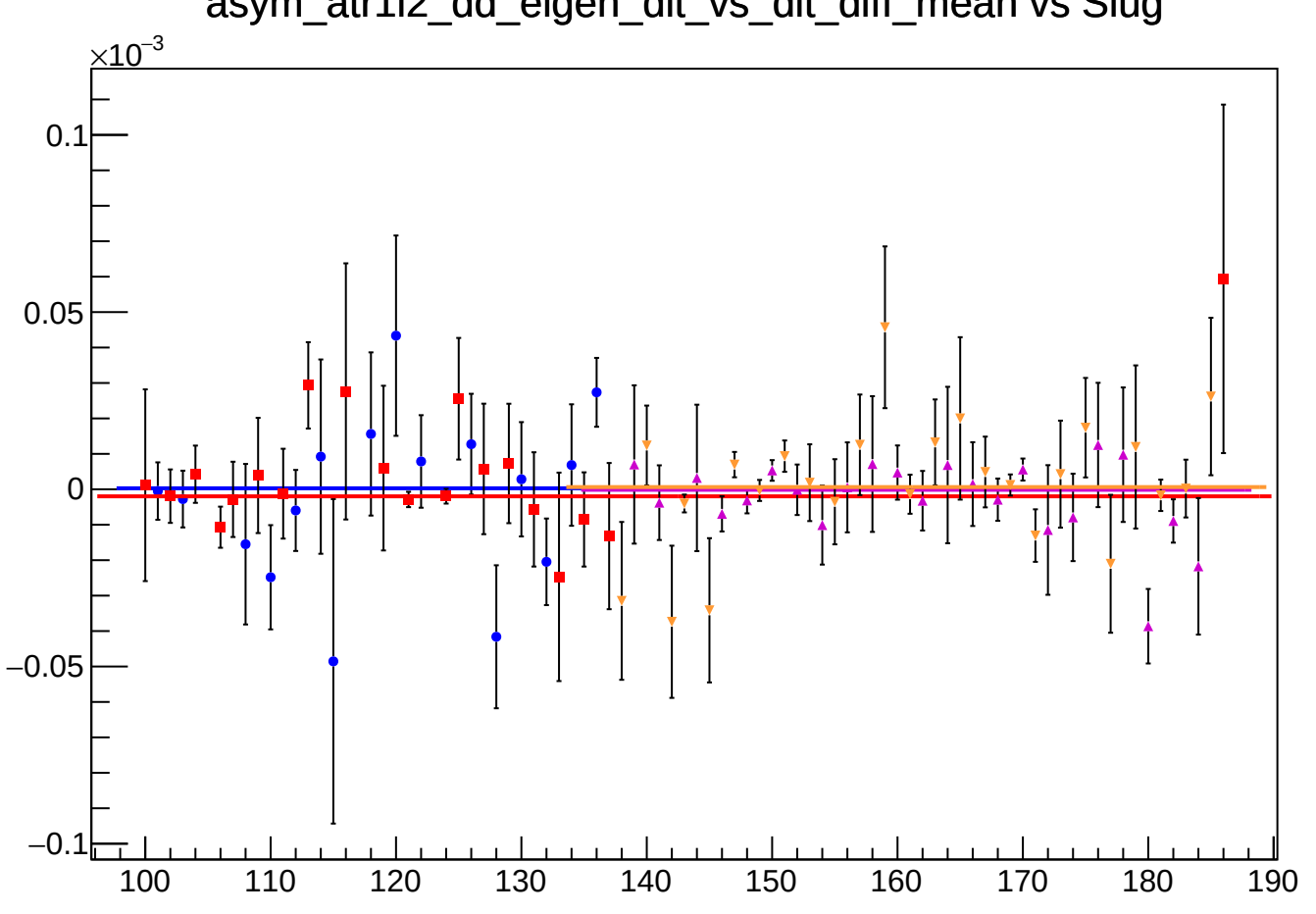
Right Out: 104.617+/-0.031 χ^2/NDF: 2532019.9/19

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 169.265+/-0.029 χ^2/NDF: 16831842.2/40

All: 159.918+/-0.020 χ^2/NDF: 34434302.7/83

- sign 151.928+/-0.027 χ^2/NDF: 17407800.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

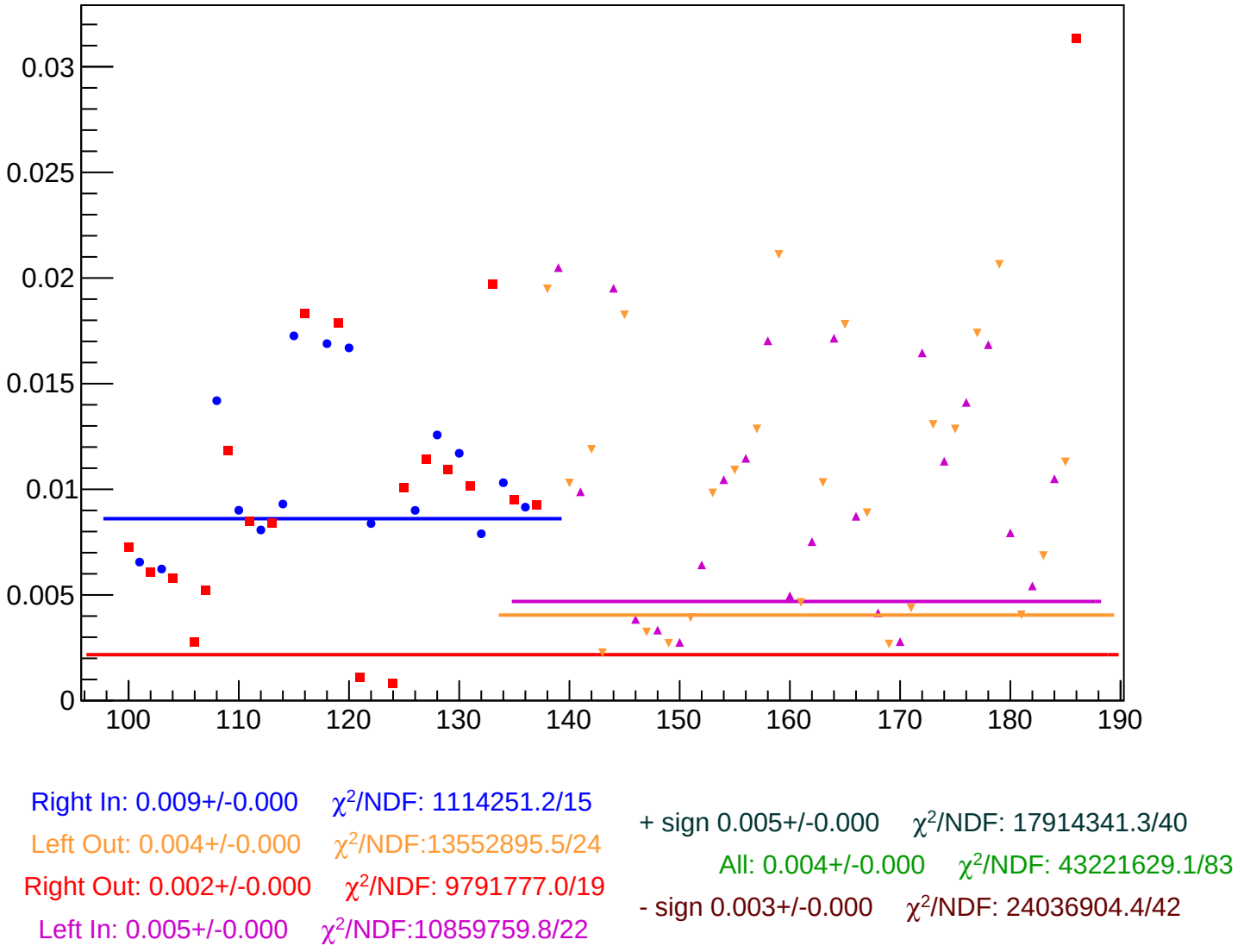
Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/19

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

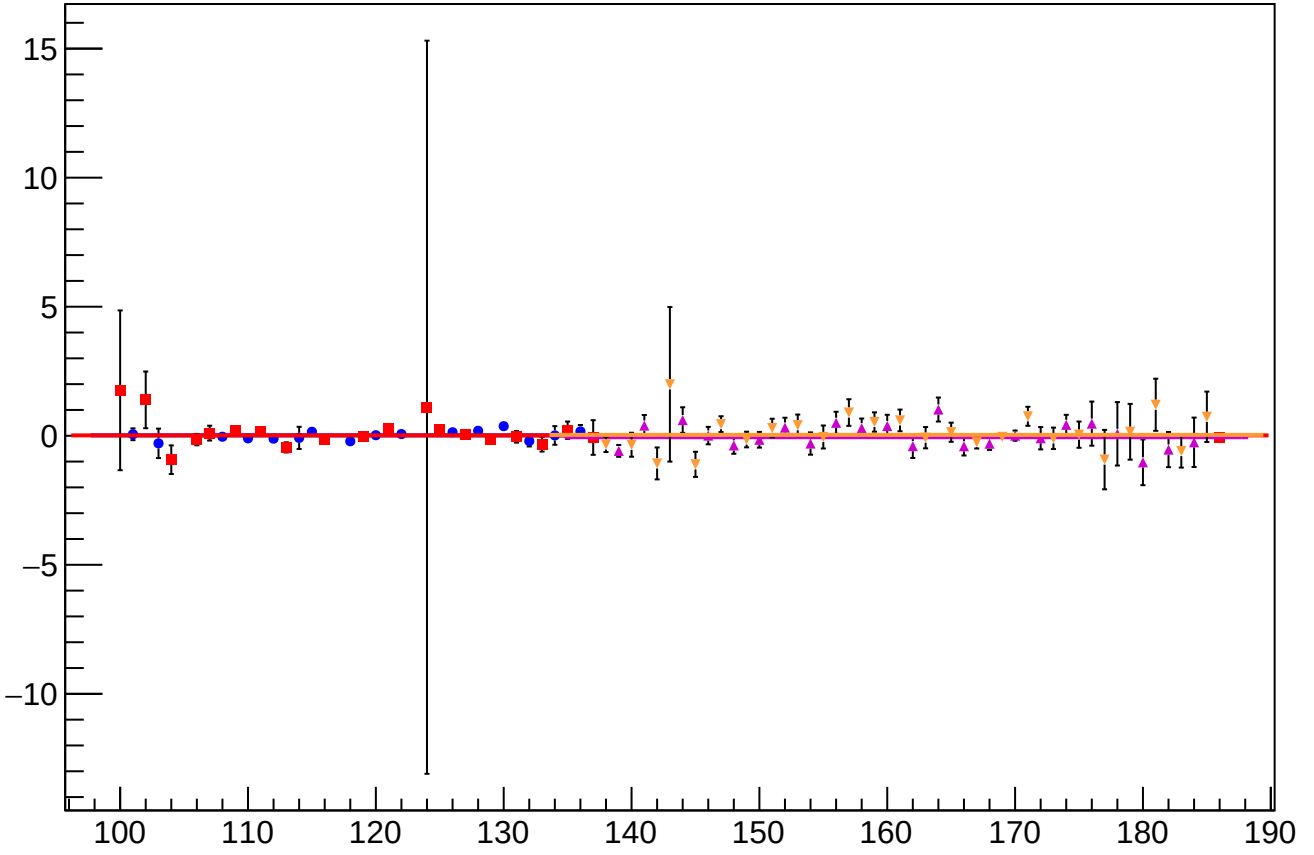
+ sign 0.000+/-0.000 χ^2/NDF: 58.7/40

All: -0.000+/-0.000 χ^2/NDF: 107.1/83

- 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: 1114251.2/15
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: 17914341.3/40
All: 0.004+/-0.000 χ²/NDF: 43221629.1/83
- sign 0.003+/-0.000 χ²/NDF: 24036904.4/42

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

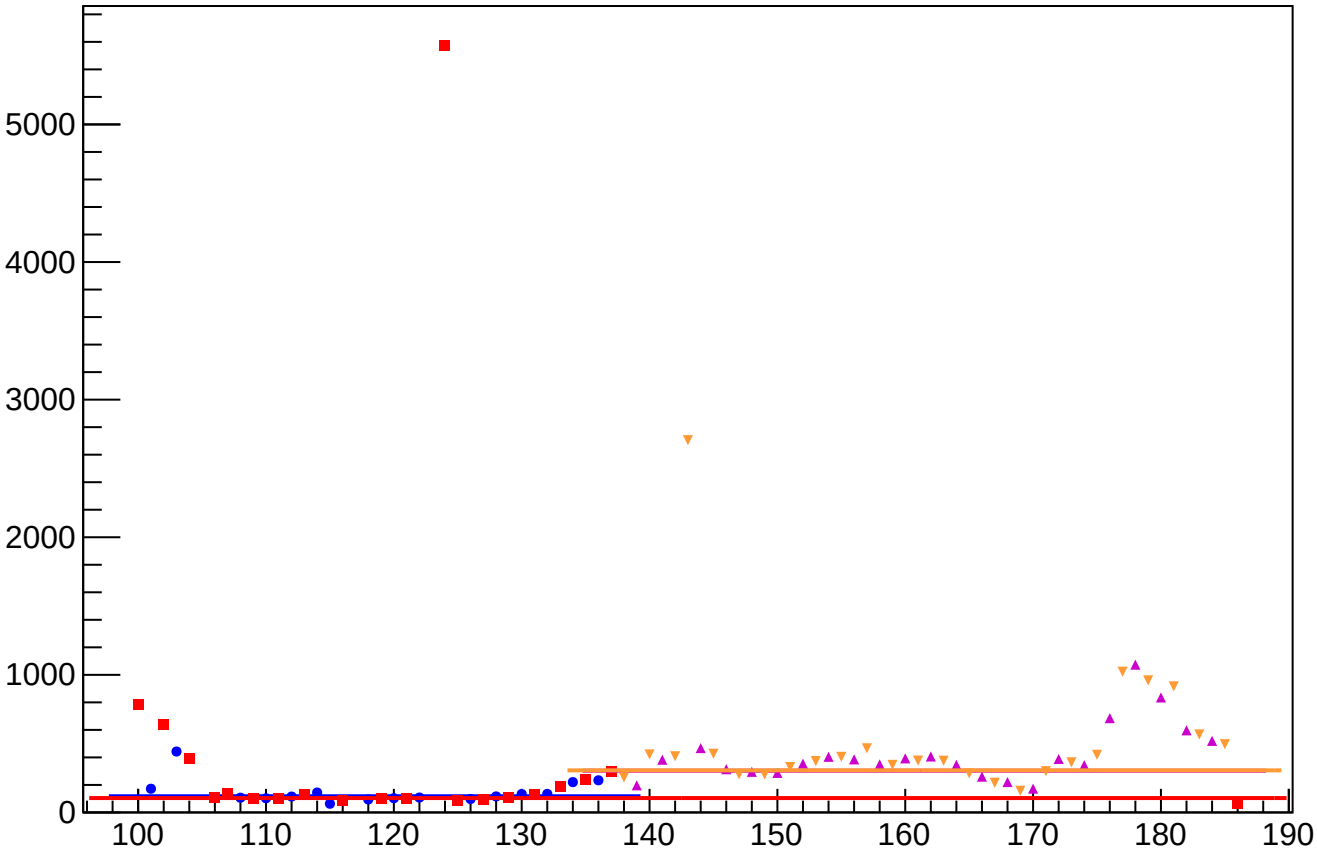
Right Out: 0.015+/-0.043 χ^2/NDF: 22.5/19

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.020+/-0.041 χ^2/NDF: 42.3/40

All: 0.008+/-0.028 χ^2/NDF: 91.6/83

- sign -0.002+/-0.038 χ^2/NDF: 49.2/42



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

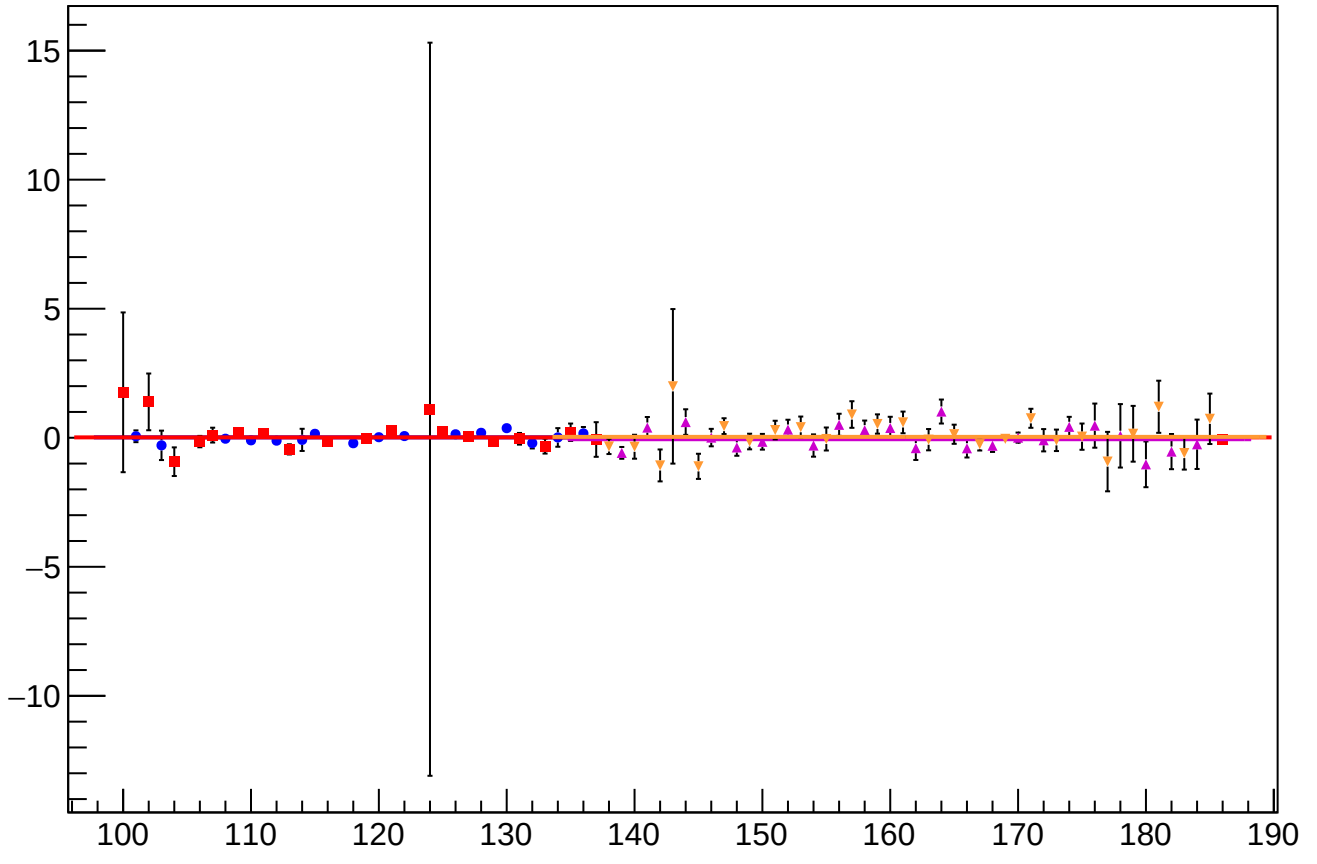
Right Out: 104.620+/-0.031 χ^2/NDF: 2531841.9/19

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 169.265+/-0.029 χ^2/NDF: 16831951.1/40

All: 159.920+/-0.020 χ^2/NDF: 34433927.8/83

- sign 151.931+/-0.027 χ^2/NDF: 17407392.9/42



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

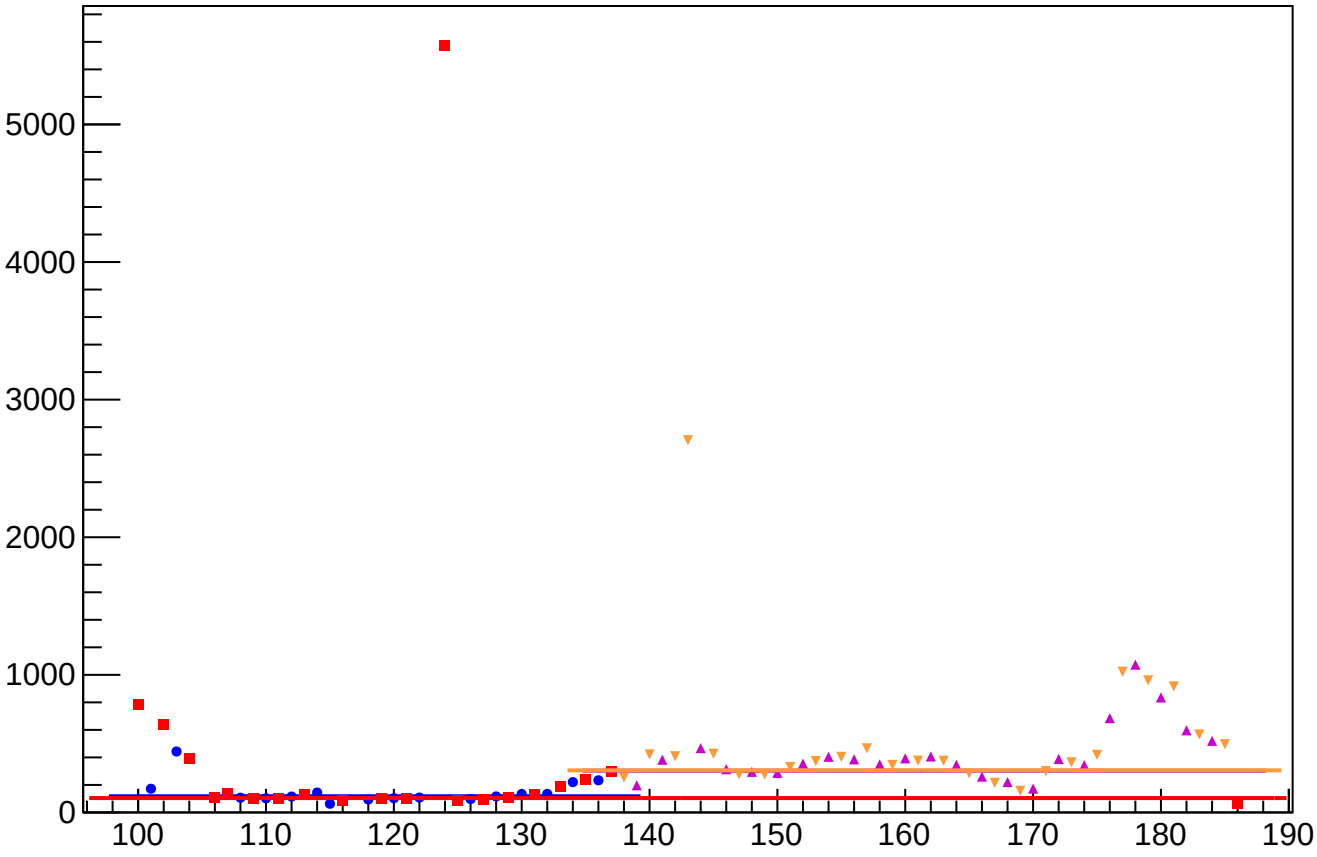
Right Out: 0.015+/-0.043 χ^2/NDF: 22.5/19

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.020+/-0.041 χ^2/NDF: 42.3/40

All: 0.008+/-0.028 χ^2/NDF: 91.6/83

- sign -0.002+/-0.038 χ^2/NDF: 49.2/42



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

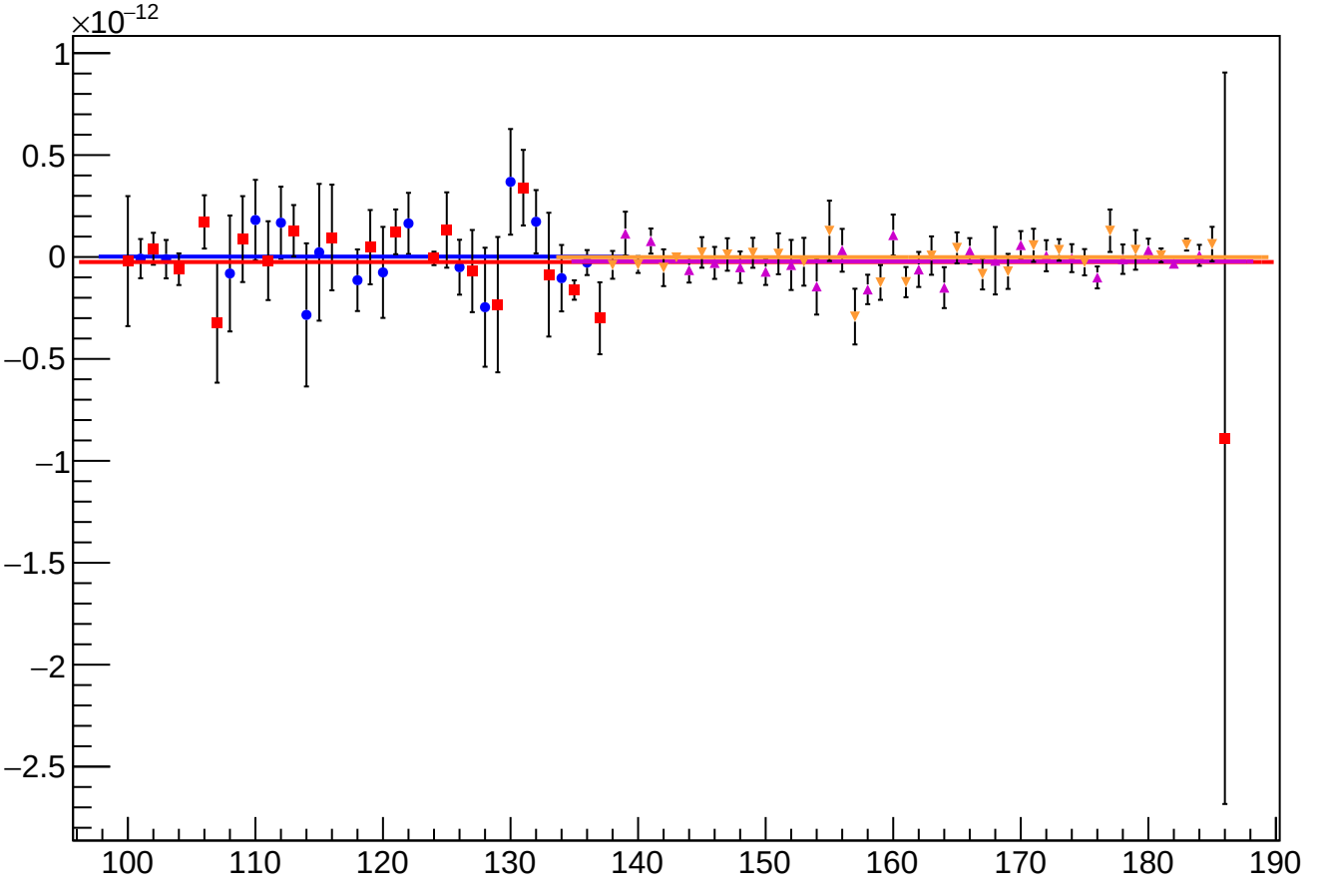
Right Out: 104.620+/-0.031 χ^2/NDF: 2531841.9/19

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 169.265+/-0.029 χ^2/NDF: 16831951.1/40

All: 159.920+/-0.020 χ^2/NDF: 34433927.8/83

- sign 151.931+/-0.027 χ^2/NDF: 17407392.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

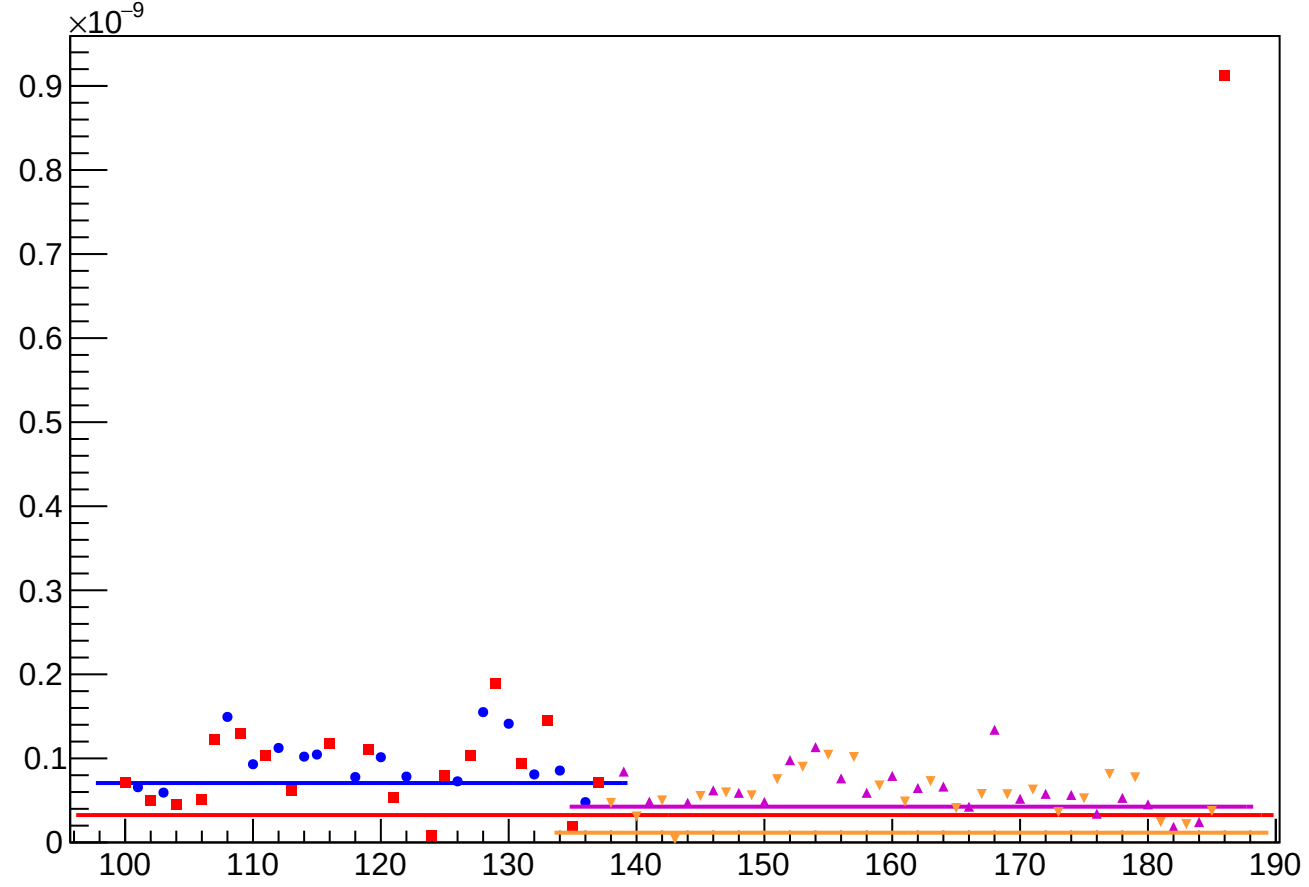
Right Out: -0.000+/-0.000 χ^2/NDF: 24.5/19

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.1/40

All: -0.000+/-0.000 χ^2/NDF: 78.1/83

- sign -0.000+/-0.000 χ^2/NDF: 44.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4930408.1/19

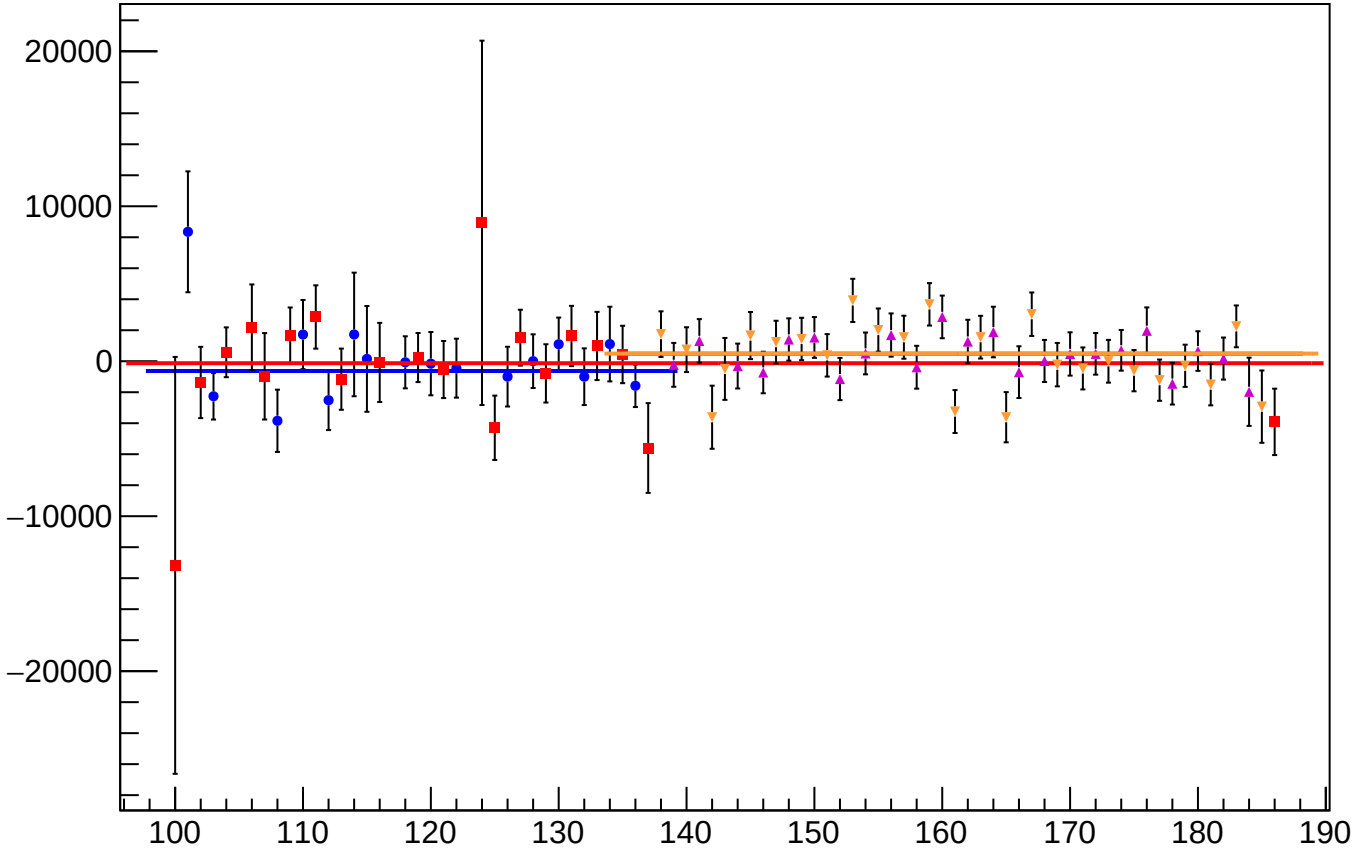
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 24600642.1/40

All: 0.000+/-0.000 χ^2/NDF: 43995638.1/83

- sign 0.000+/-0.000 χ^2/NDF: 10659791.2/42

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -128.473+/-475.595 χ^2/NDF: 19.1/19

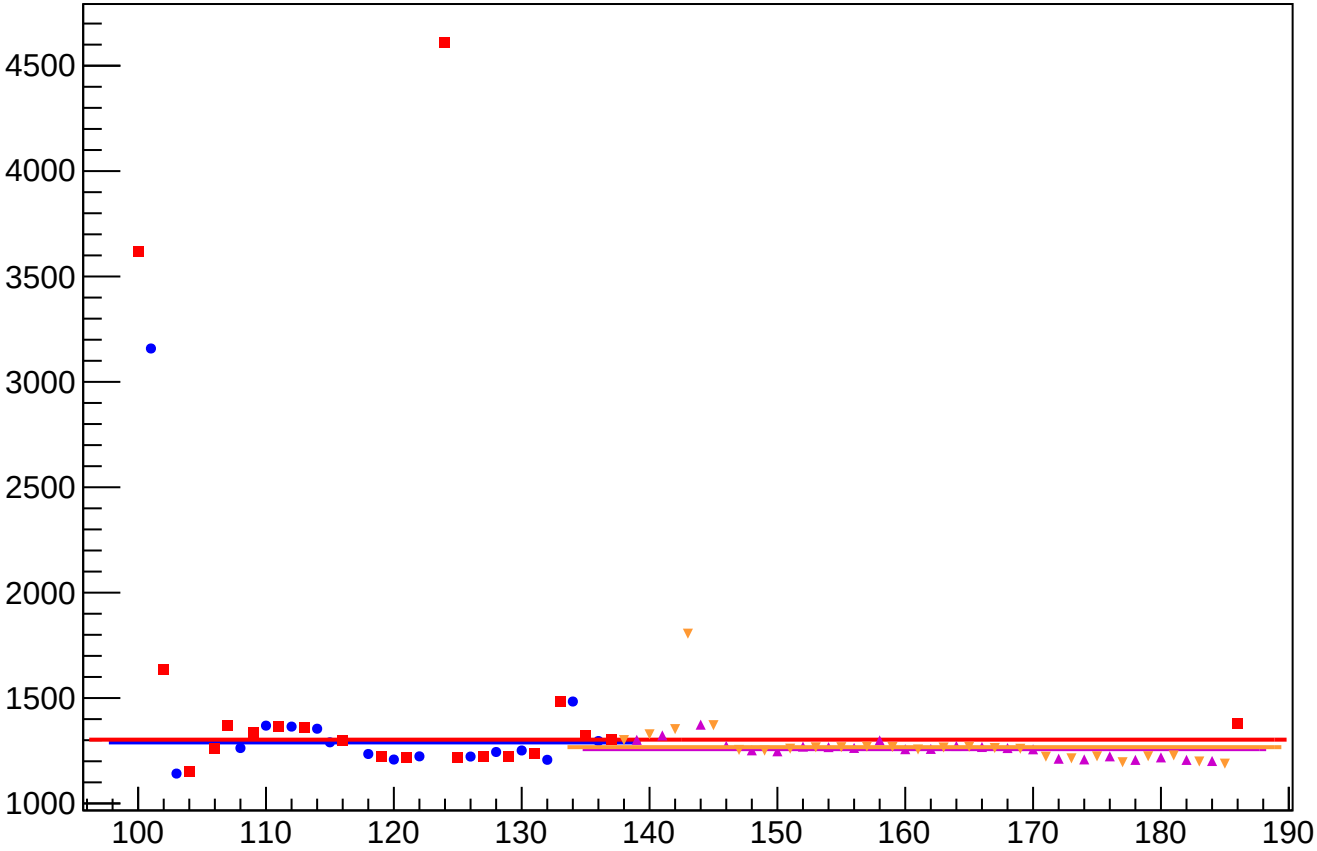
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 201.785+/-248.431 χ^2/NDF: 64.7/40

All: 258.994+/-176.196 χ^2/NDF: 99.6/83

- sign 316.896+/-249.933 χ^2/NDF: 34.8/42

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

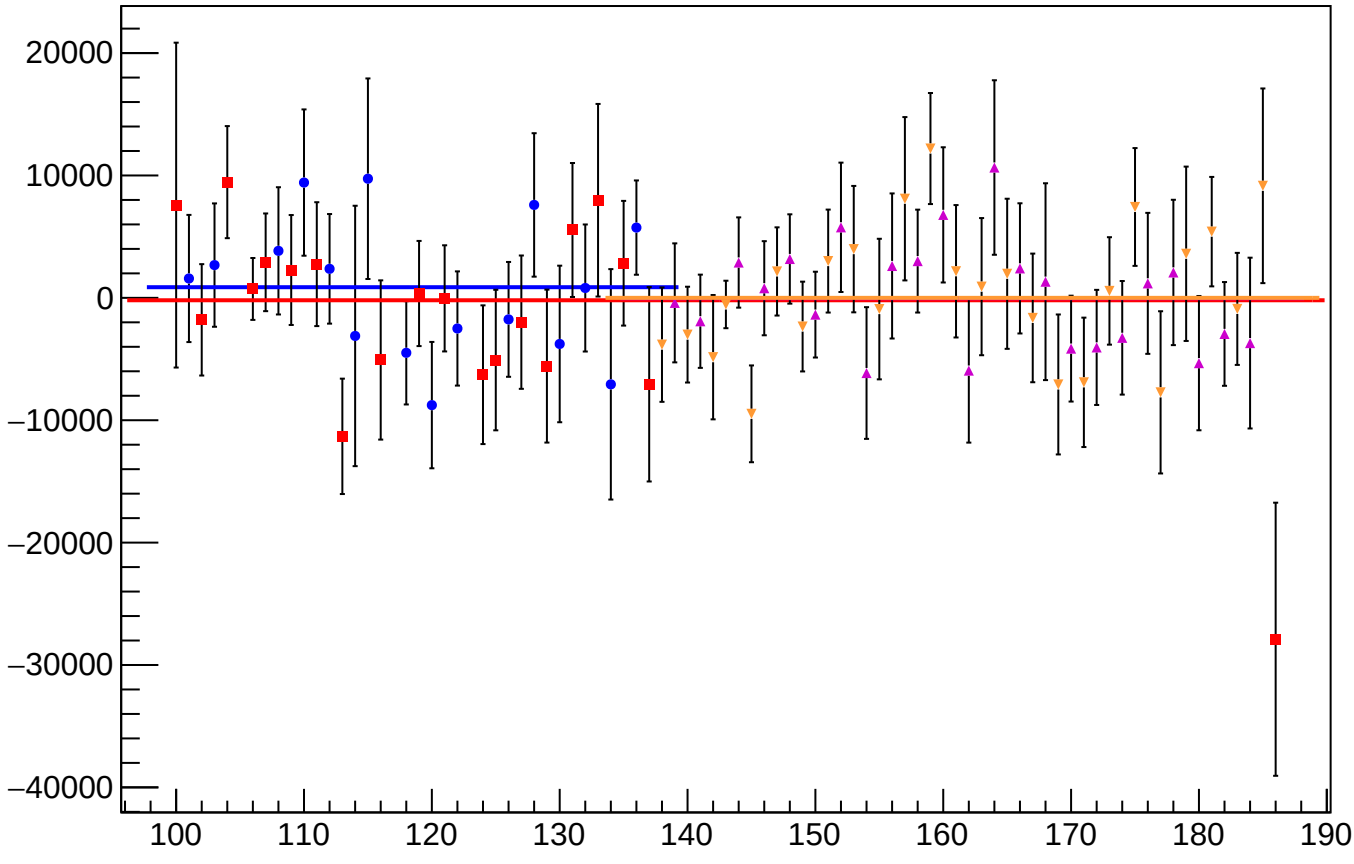
Right Out: 1302.569+/-0.335 χ^2/NDF: 322015.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.783+/-0.176 χ^2/NDF: 705364.5/40

All: 1271.413+/-0.125 χ^2/NDF: 1077335.4/83

- sign 1270.029+/-0.177 χ^2/NDF: 371848.7/42



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

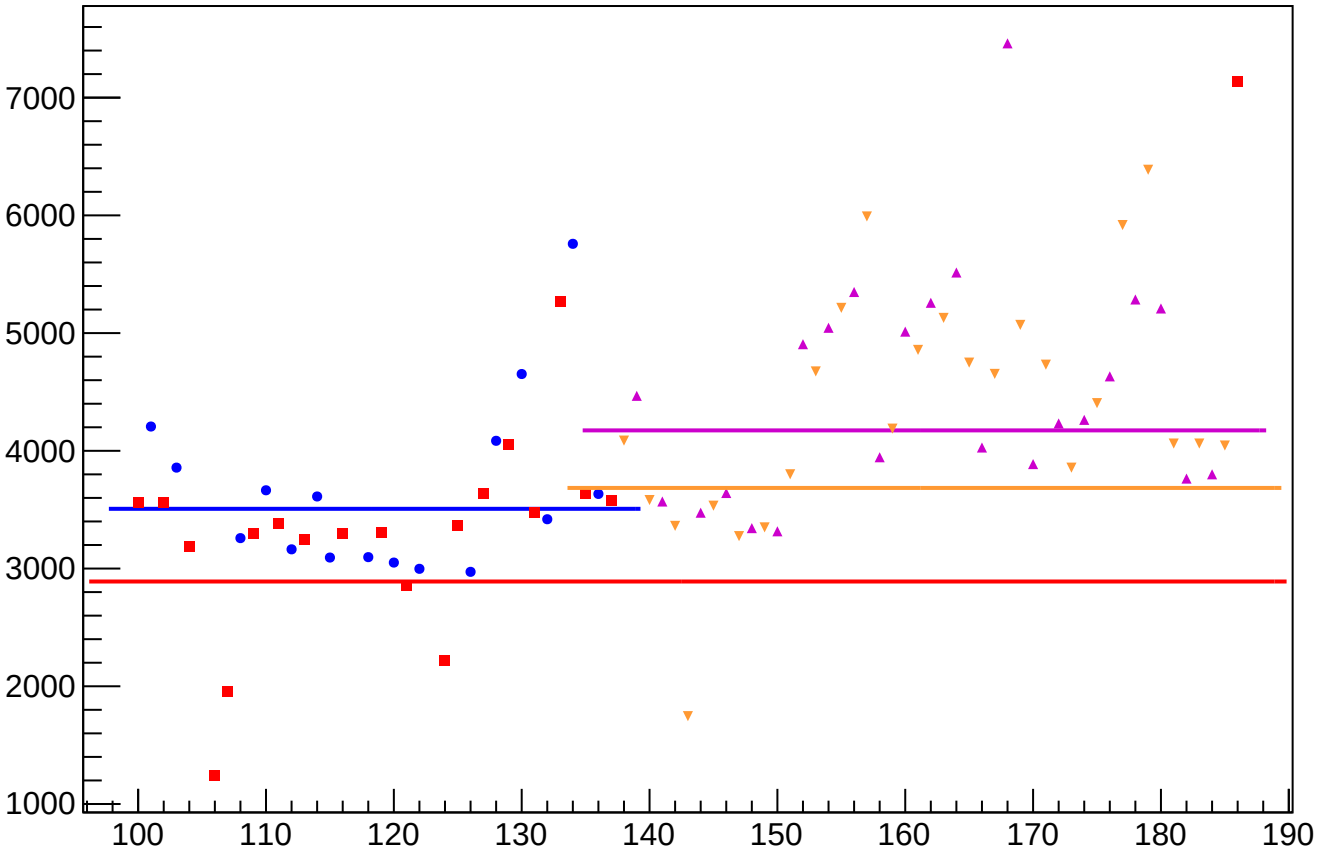
Right Out: -197.309+/-1105.607 χ^2/NDF: 24.6/19

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 268.611+/-736.840 χ^2/NDF: 43.4/40

All: 82.151+/-522.045 χ^2/NDF: 82.2/83

- sign -105.778+/-739.736 χ^2/NDF: 38.7/42



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2889.961+/-0.782 χ^2/NDF: 1792253.1/19

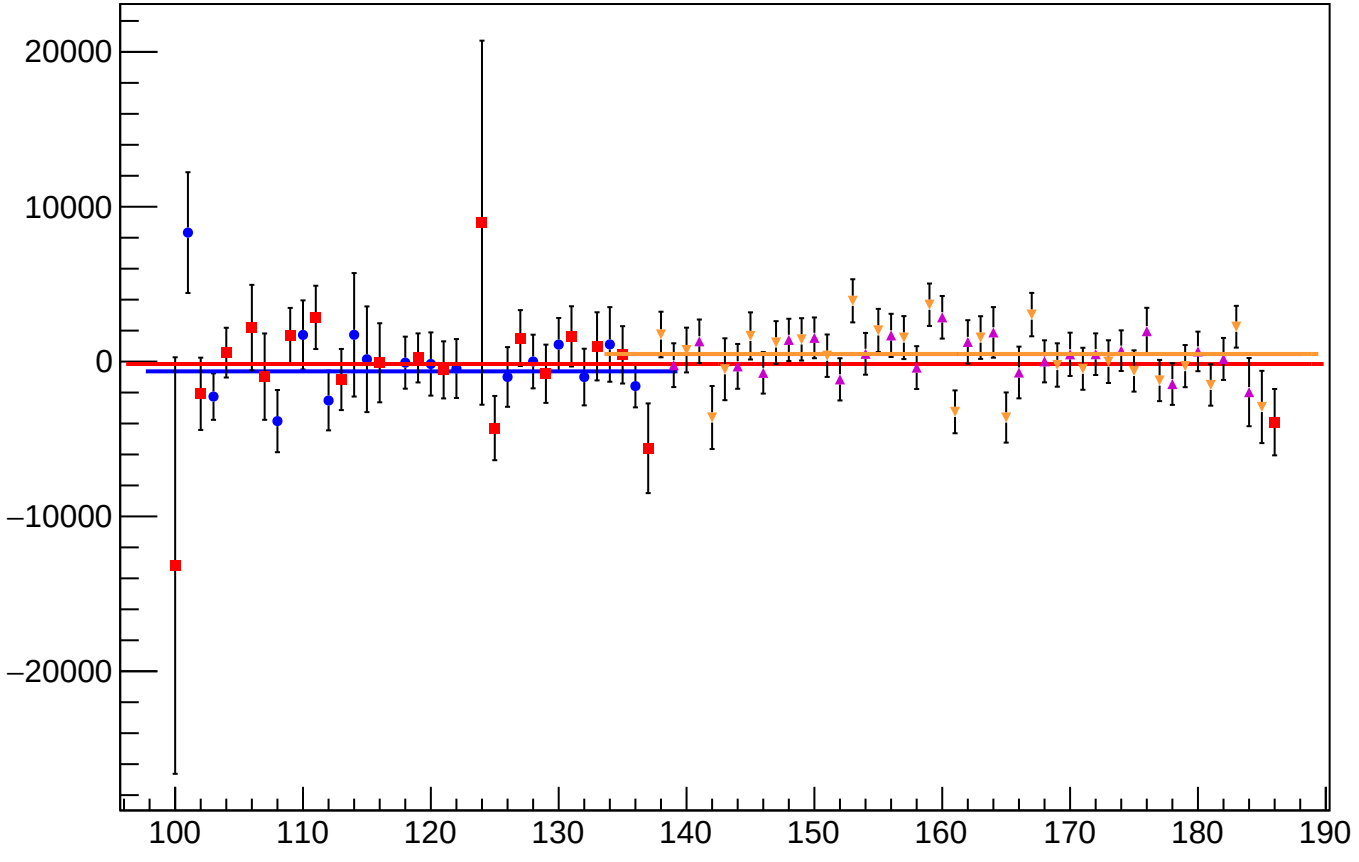
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3629.939+/-0.521 χ^2/NDF: 4072376.2/40

All: 3614.499+/-0.369 χ^2/NDF: 8630338.2/83

- sign 3598.937+/-0.523 χ^2/NDF: 4556198.7/42

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -156.296+/-475.895 χ^2/NDF: 19.6/19

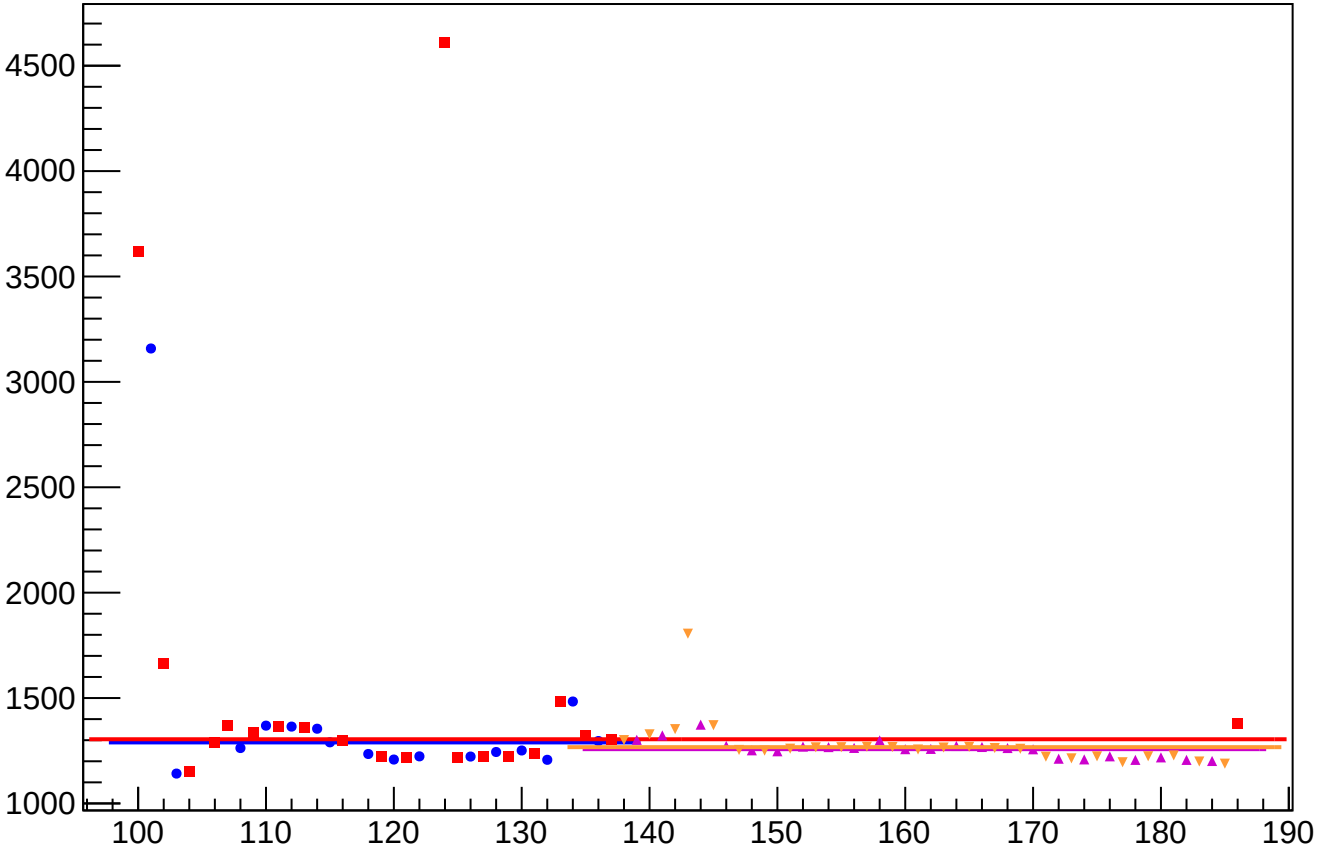
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 201.698+/-248.431 χ^2/NDF: 64.7/40

All: 255.166+/-176.211 χ^2/NDF: 100.1/83

- sign 309.301+/-249.977 χ^2/NDF: 35.3/42

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

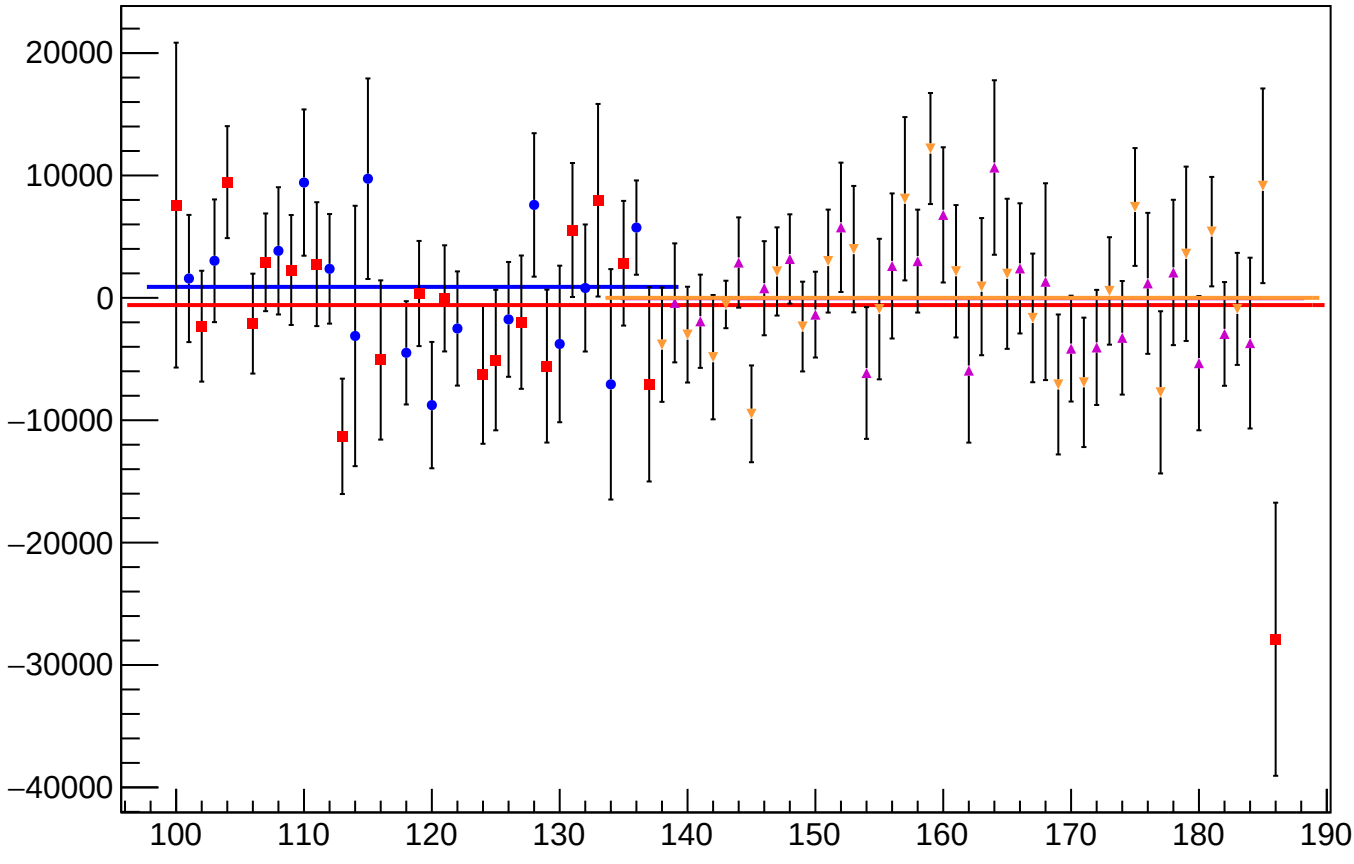
Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.782+/-0.176 χ^2/NDF: 705365.9/40

All: 1271.668+/-0.125 χ^2/NDF: 1084813.4/83

- sign 1270.541+/-0.177 χ^2/NDF: 379366.6/42



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

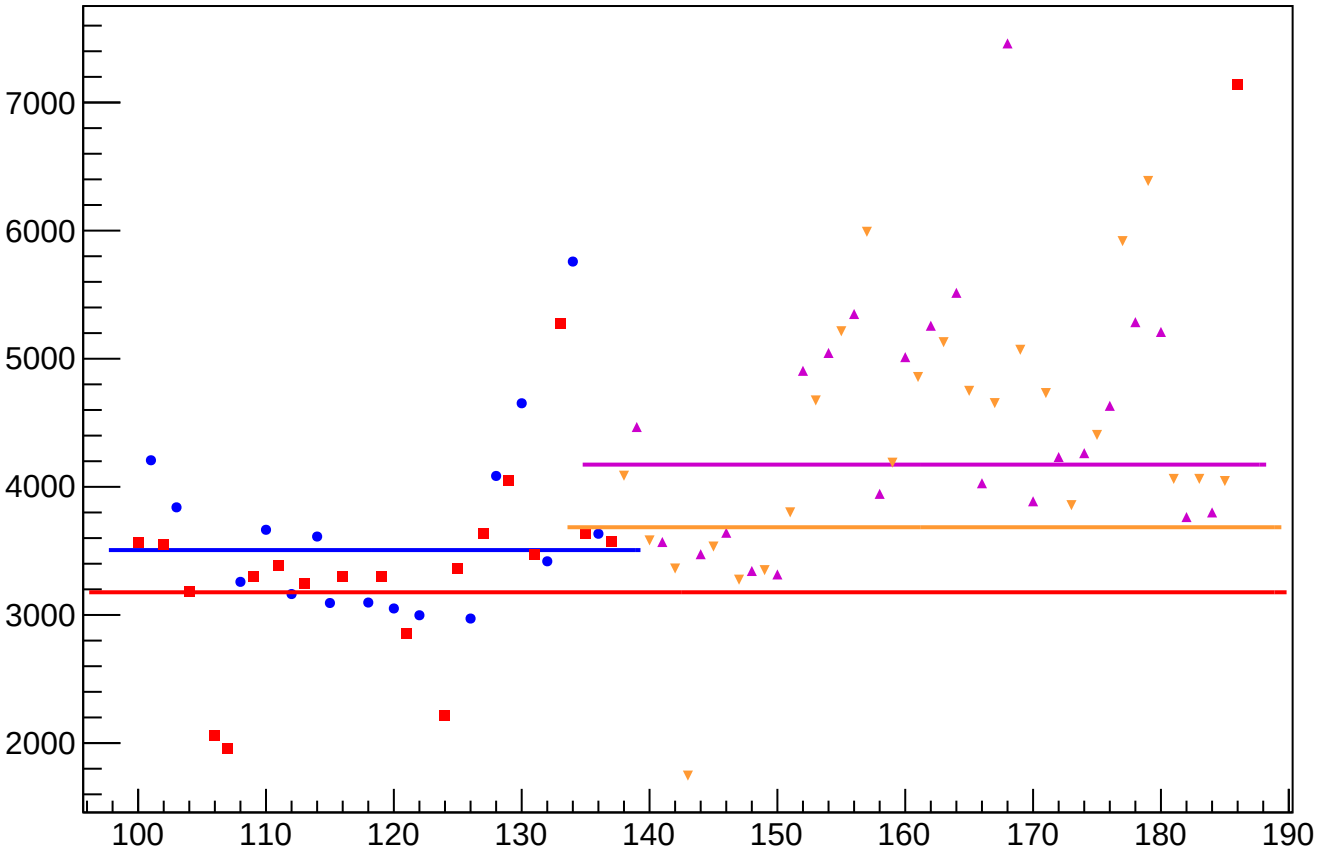
Right Out: -590.963+/-1176.575 χ^2/NDF: 24.7/19

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 276.737+/-736.761 χ^2/NDF: 43.5/40

All: 14.278+/-528.961 χ^2/NDF: 82.6/83

- sign -264.929+/-759.903 χ^2/NDF: 38.8/42



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

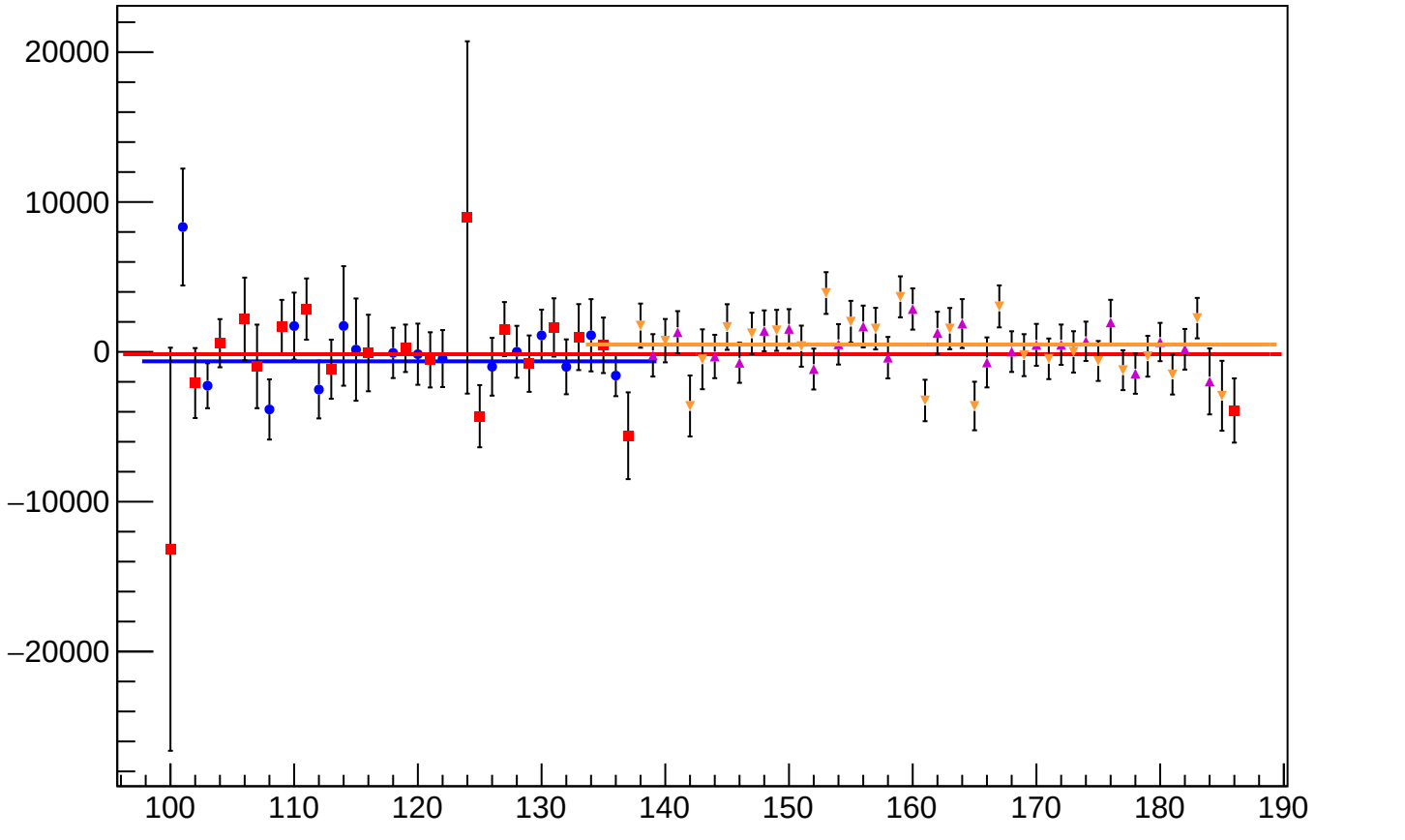
Right Out: 3177.131+/-0.832 χ^2/NDF: 904574.2/19

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3629.626+/-0.521 χ^2/NDF: 4071940.8/40

All: 3691.784+/-0.374 χ^2/NDF: 7116930.9/83

- sign 3757.908+/-0.537 χ^2/NDF: 3015610.7/42



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -156.296+/-475.895 χ^2/NDF: 19.6/19

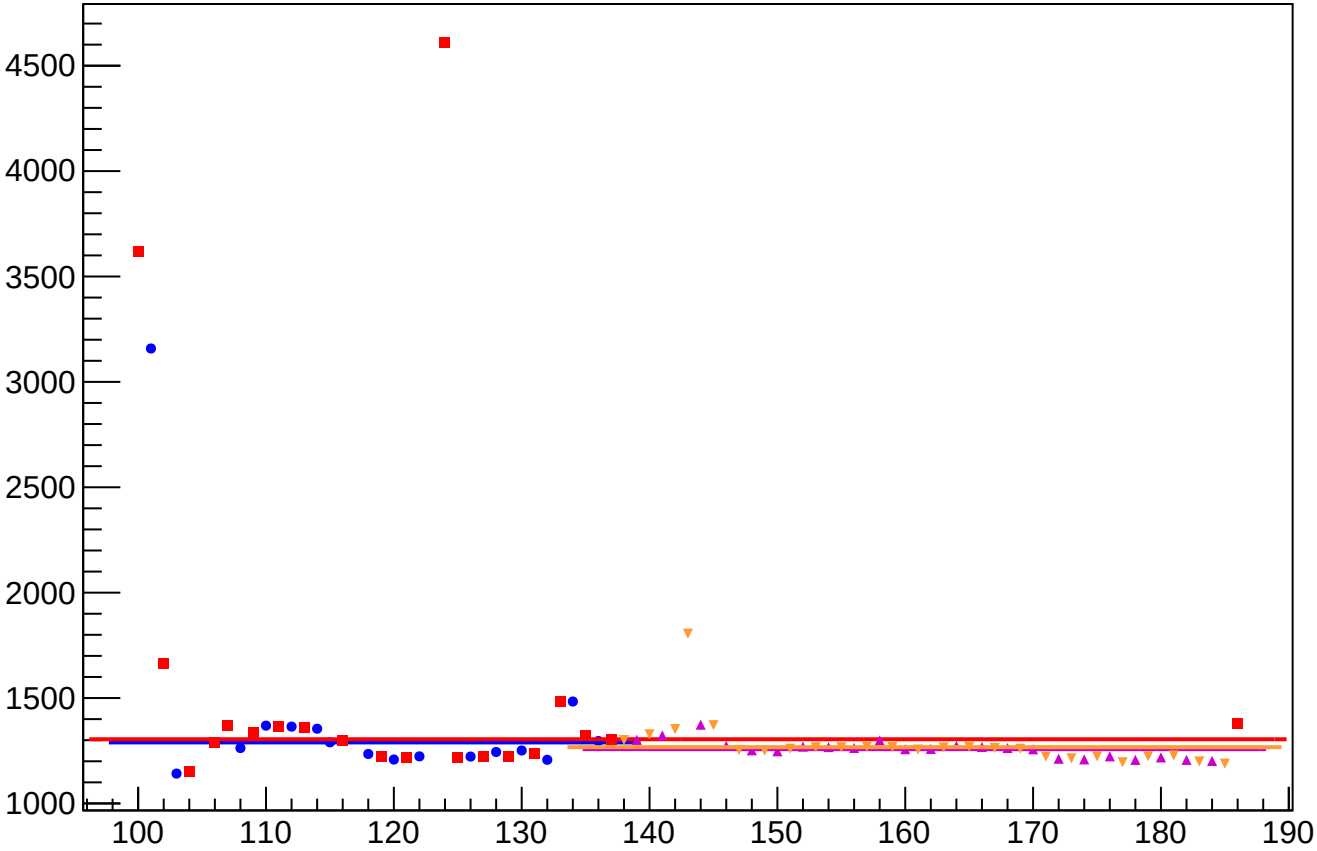
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 201.698+/-248.431 χ^2/NDF: 64.7/40

All: 255.166+/-176.211 χ^2/NDF: 100.1/83

- sign 309.301+/-249.977 χ^2/NDF: 35.3/42

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

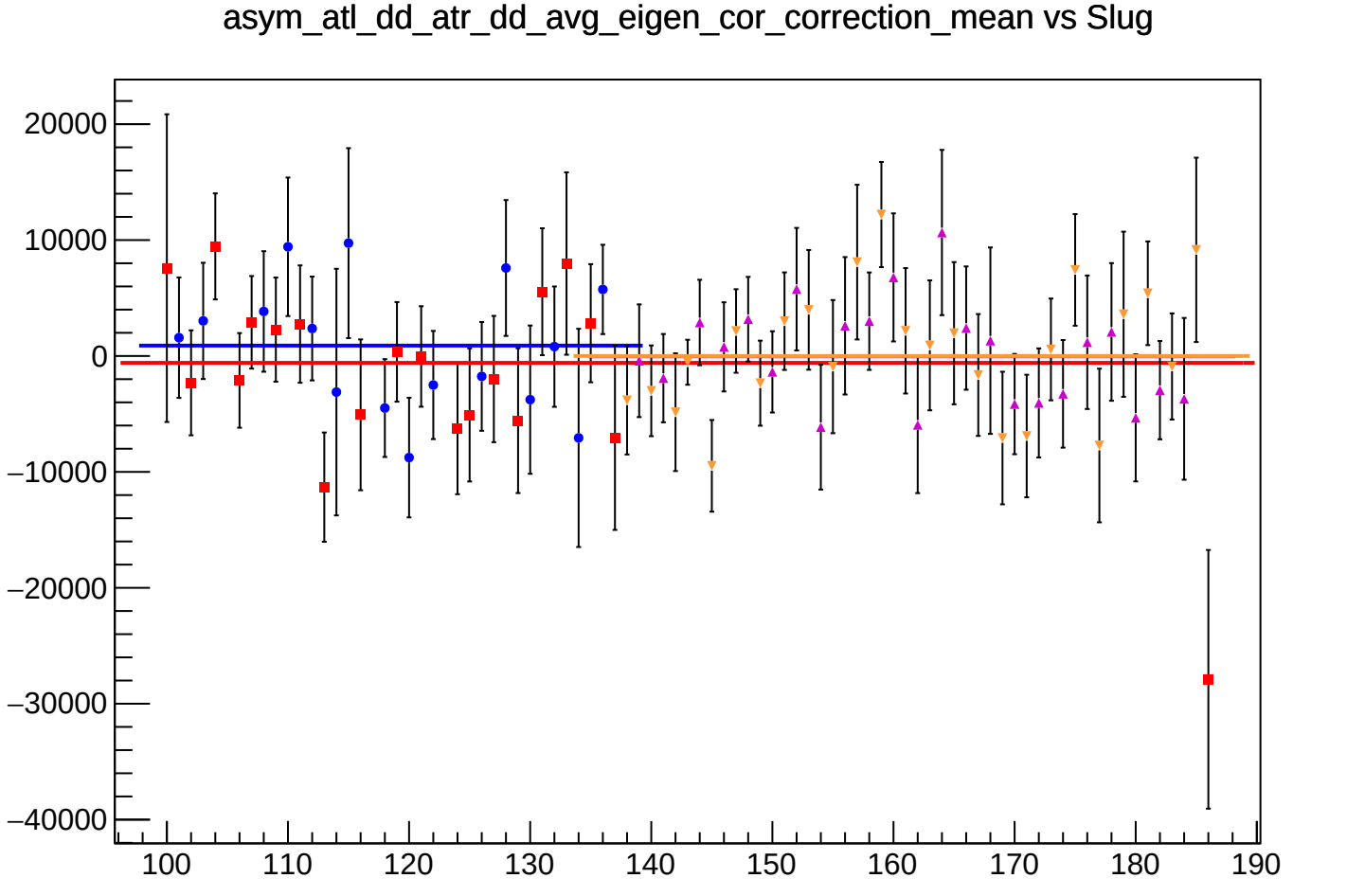
Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.782+/-0.176 χ^2/NDF: 705365.9/40

All: 1271.668+/-0.125 χ^2/NDF: 1084813.4/83

- sign 1270.541+/-0.177 χ^2/NDF: 379366.6/42



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

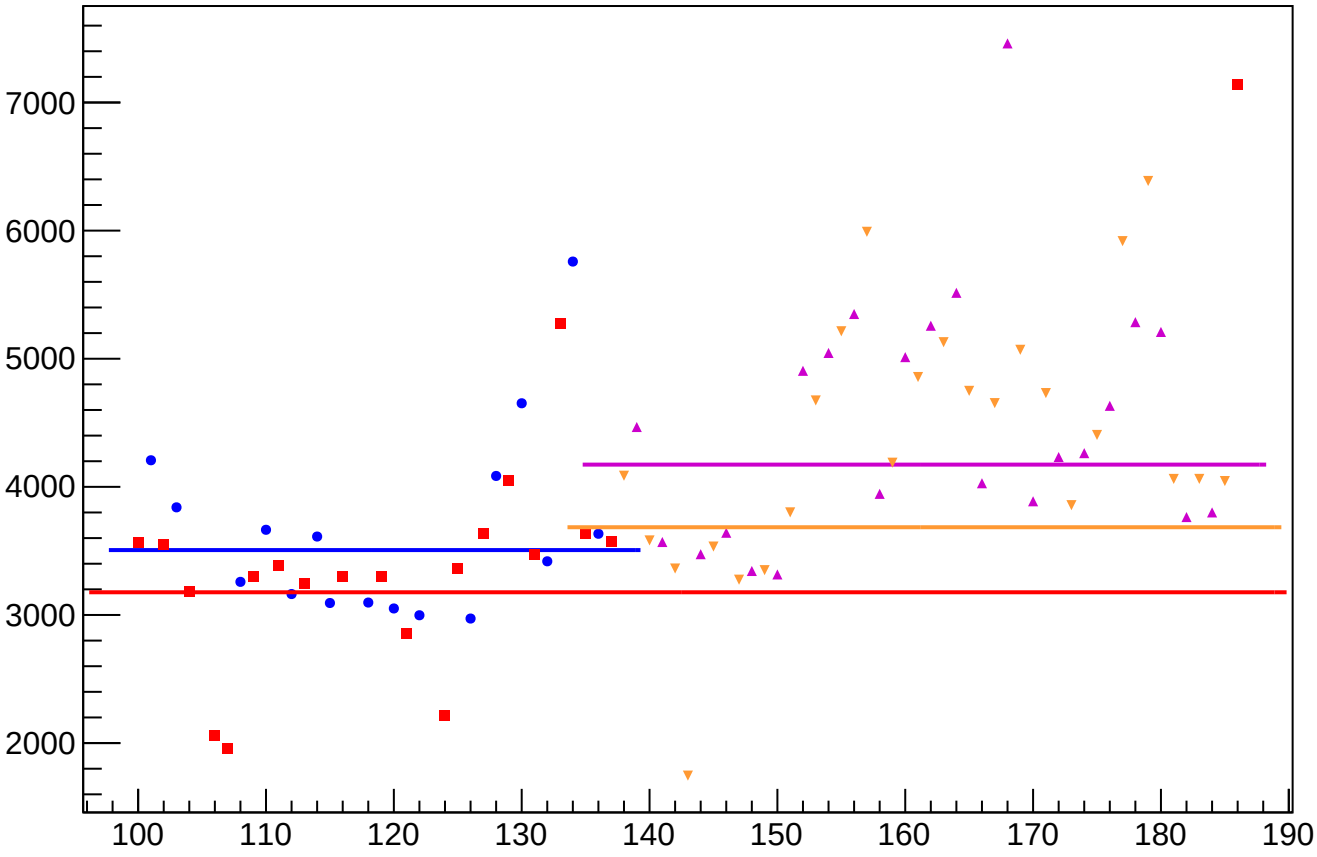
Right Out: -590.963+/-1176.575 χ^2/NDF: 24.7/19

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 276.737+/-736.761 χ^2/NDF: 43.5/40

All: 14.278+/-528.961 χ^2/NDF: 82.6/83

- sign -264.929+/-759.903 χ^2/NDF: 38.8/42



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3177.131+/-0.832 χ^2/NDF: 904574.2/19

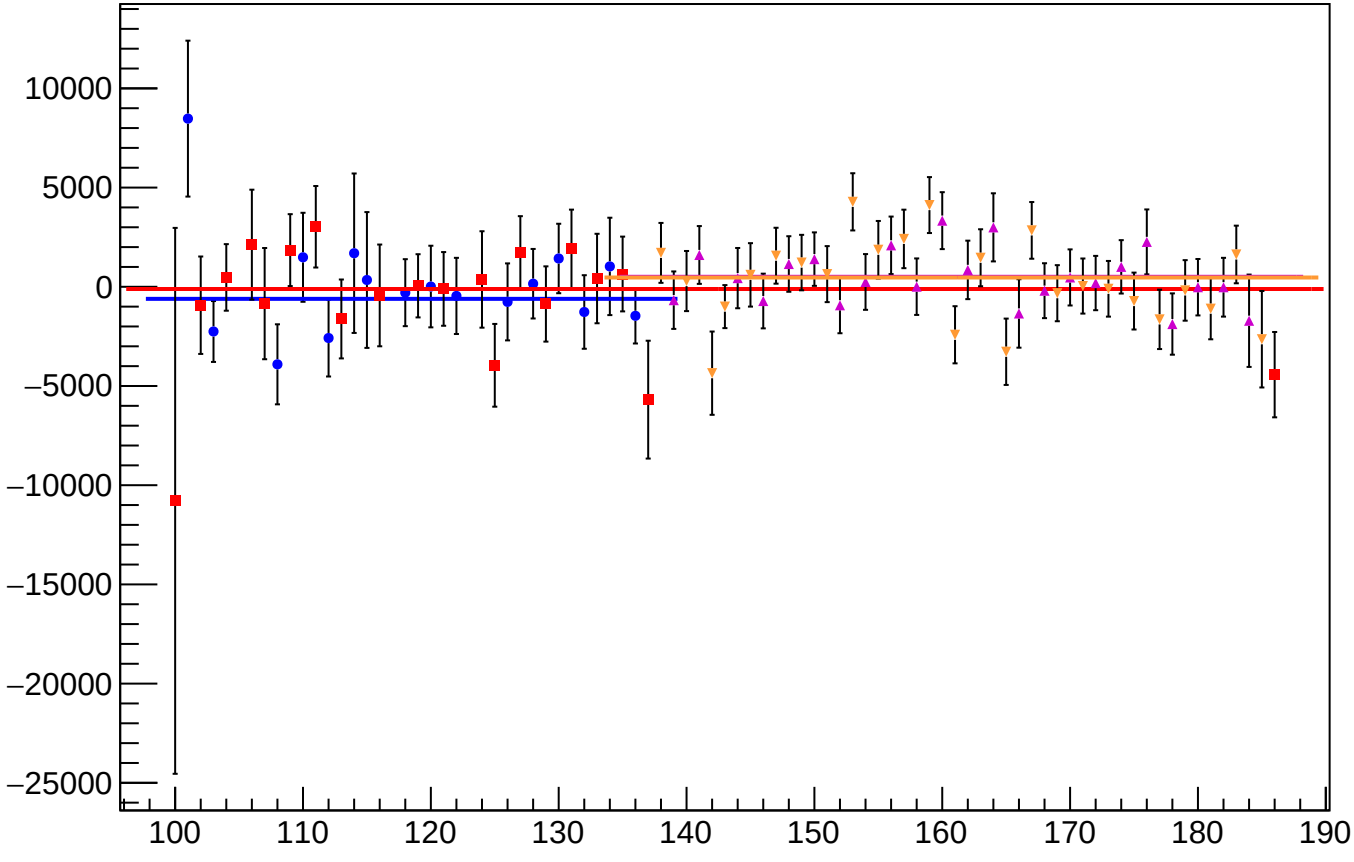
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3629.626+/-0.521 χ^2/NDF: 4071940.8/40

All: 3691.784+/-0.374 χ^2/NDF: 7116930.9/83

- sign 3757.908+/-0.537 χ^2/NDF: 3015610.7/42

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -111.422+/-473.633 χ^2/NDF: 19.1/19

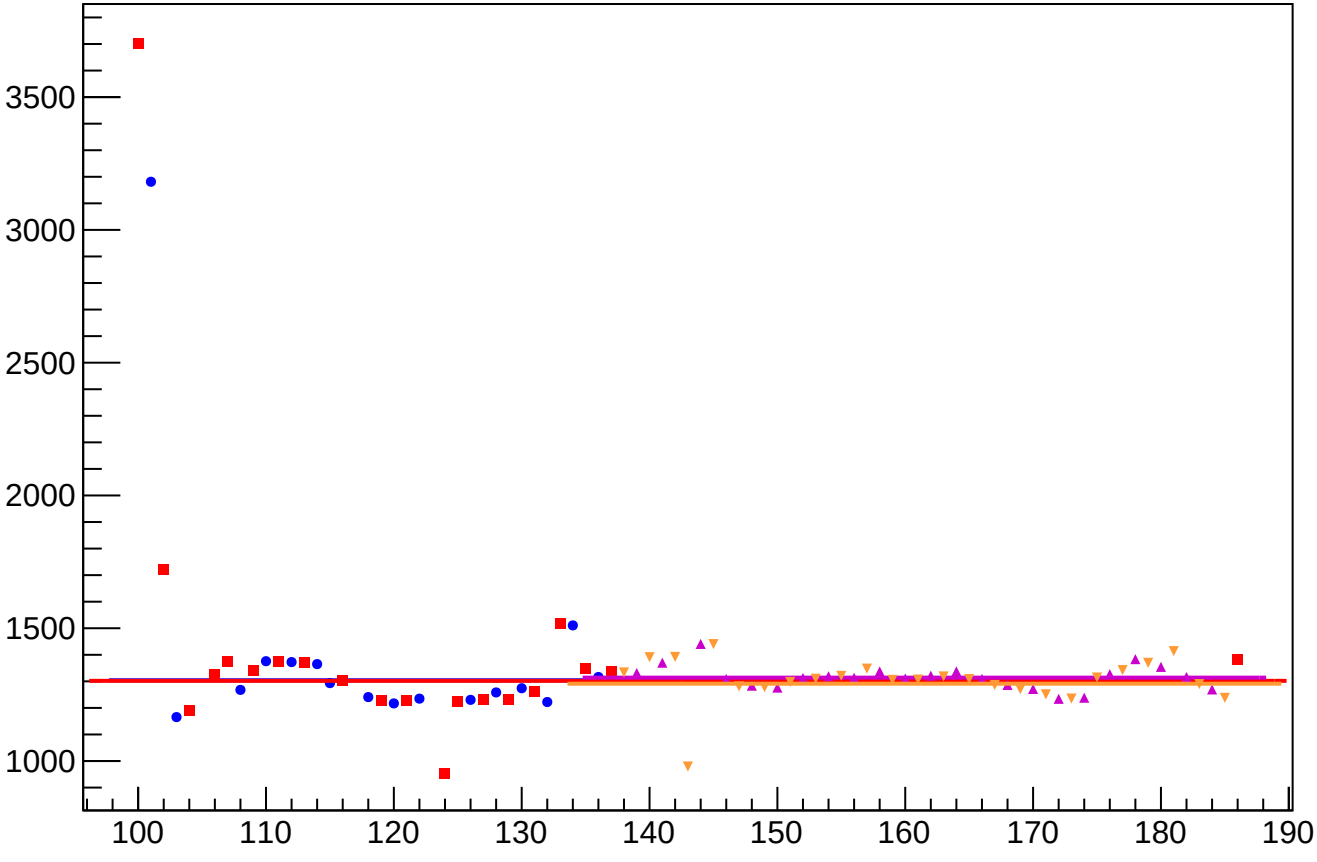
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign 186.350+/-252.830 χ^2/NDF: 61.7/40

All: 252.686+/-180.457 χ^2/NDF: 99.6/83

\- sign 321.574+/-257.649 χ^2/NDF: 37.7/42

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

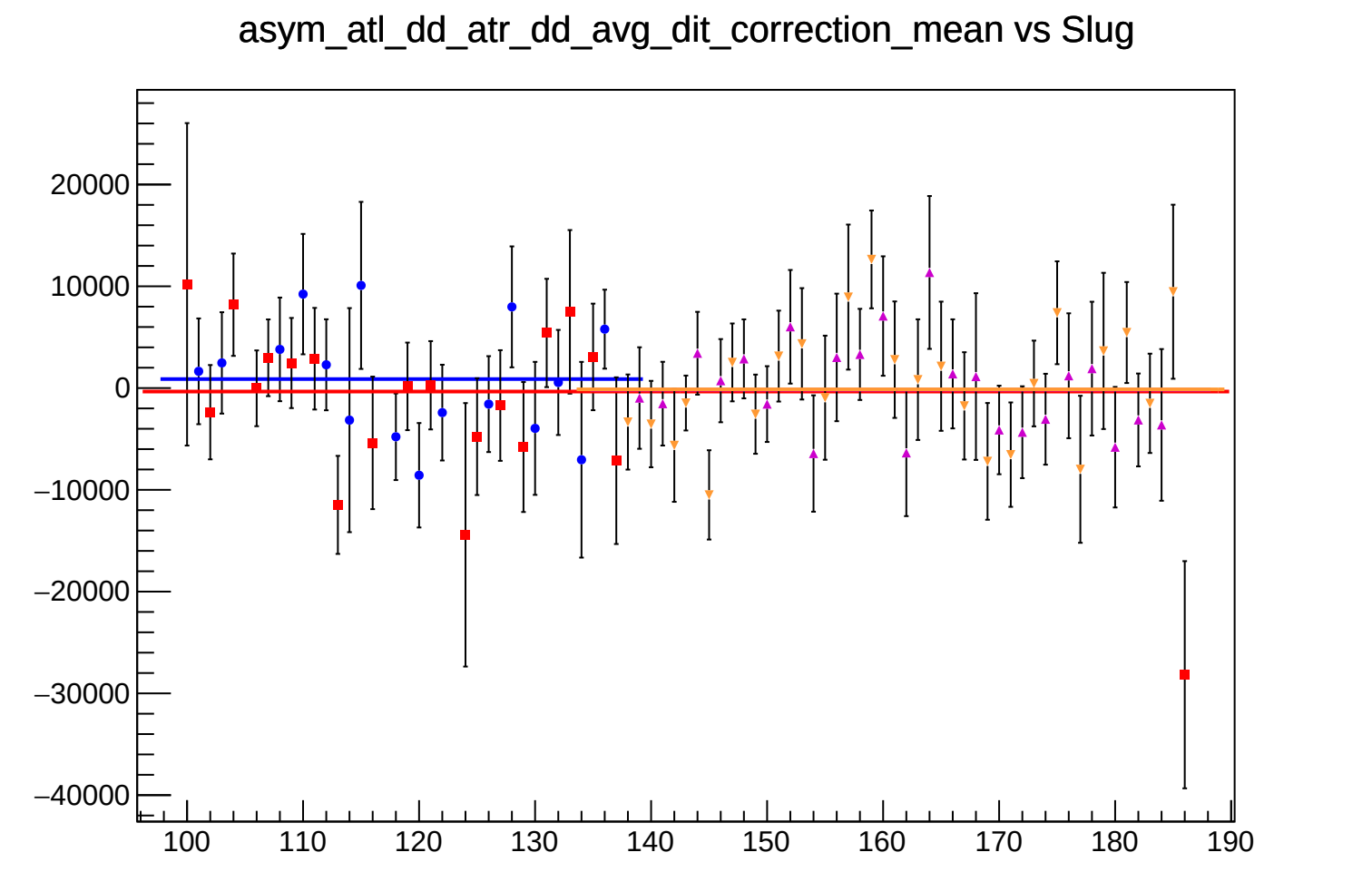
Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.2/19

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.585+/-0.179 χ^2/NDF: 742329.3/40

All: 1302.362+/-0.128 χ^2/NDF: 1006270.0/83

- sign 1310.435+/-0.182 χ^2/NDF: 260084.0/42



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

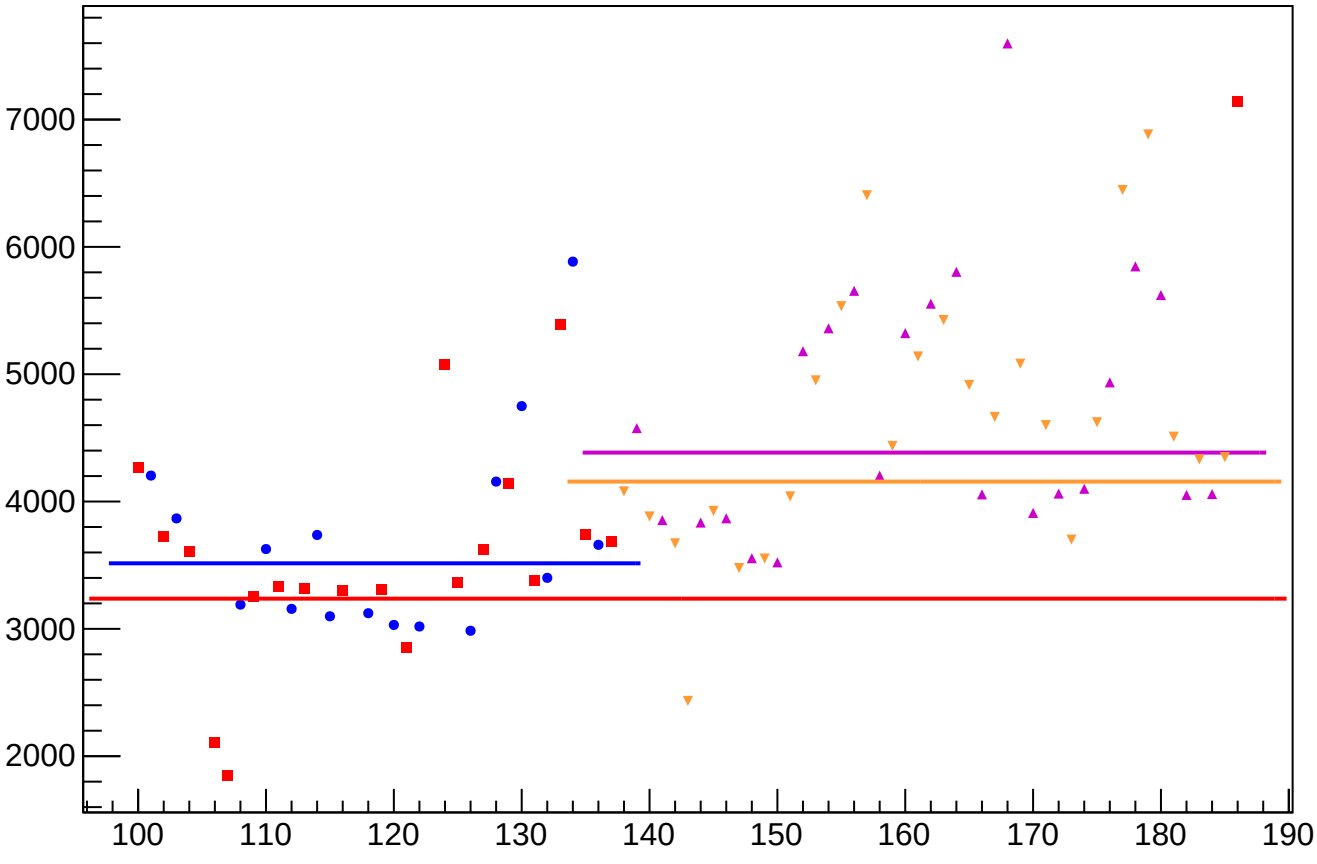
Right Out: -342.260+/-1193.140 χ^2/NDF: 23.1/19

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

\+ sign 228.197+/-786.967 χ^2/NDF: 43.1/40

All: -5.516+/-556.245 χ^2/NDF: 80.1/83

\- sign -238.853+/-786.332 χ^2/NDF: 36.9/42



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

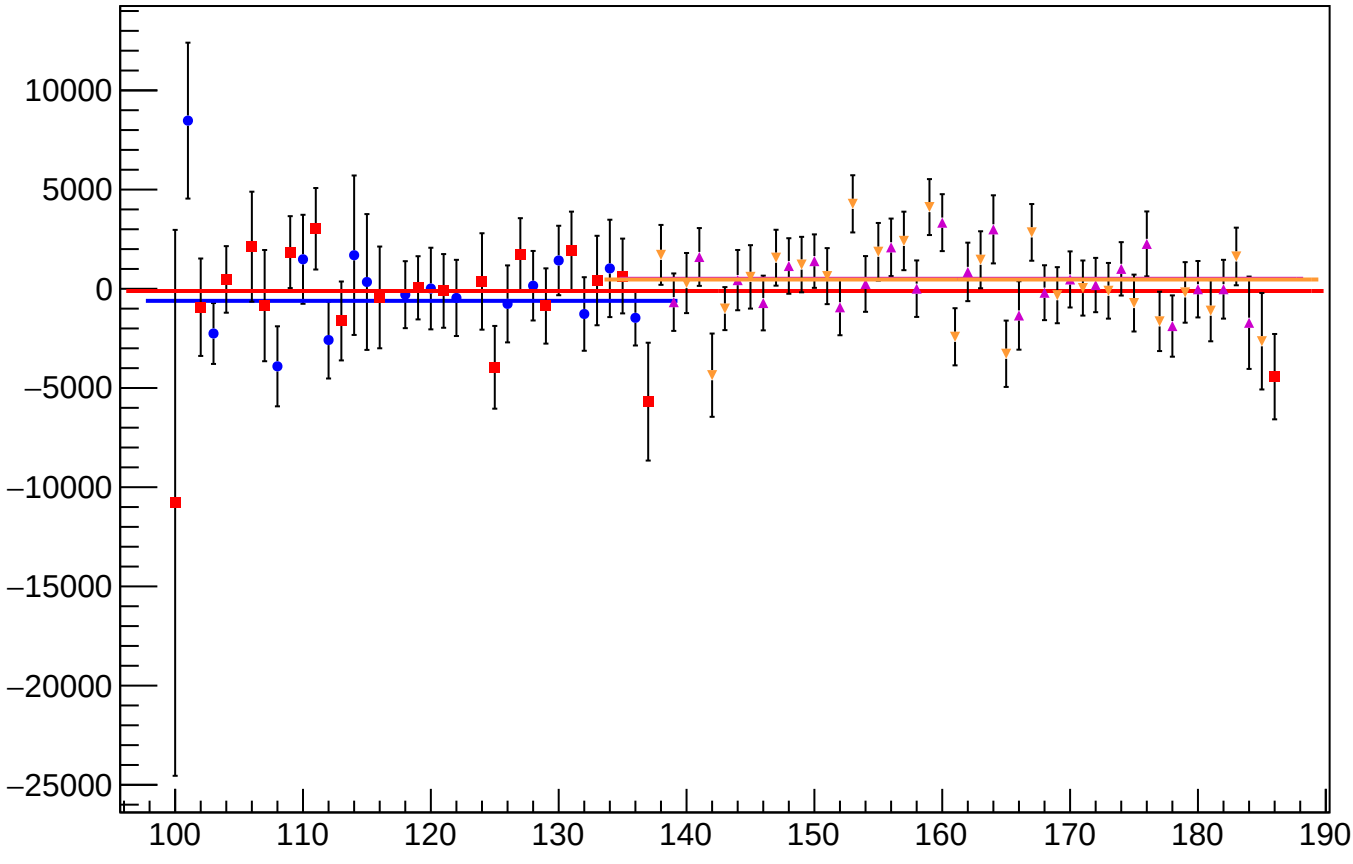
Right Out: 3237.299+/-0.844 χ^2/NDF: 1019707.5/19

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3930.984+/-0.556 χ^2/NDF: 2759089.8/40

All: 3908.537+/-0.393 χ^2/NDF: 6083078.1/83

- sign 3886.125+/-0.556 χ^2/NDF: 3320736.4/42



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -111.413+/-473.633 χ^2/NDF: 19.1/19

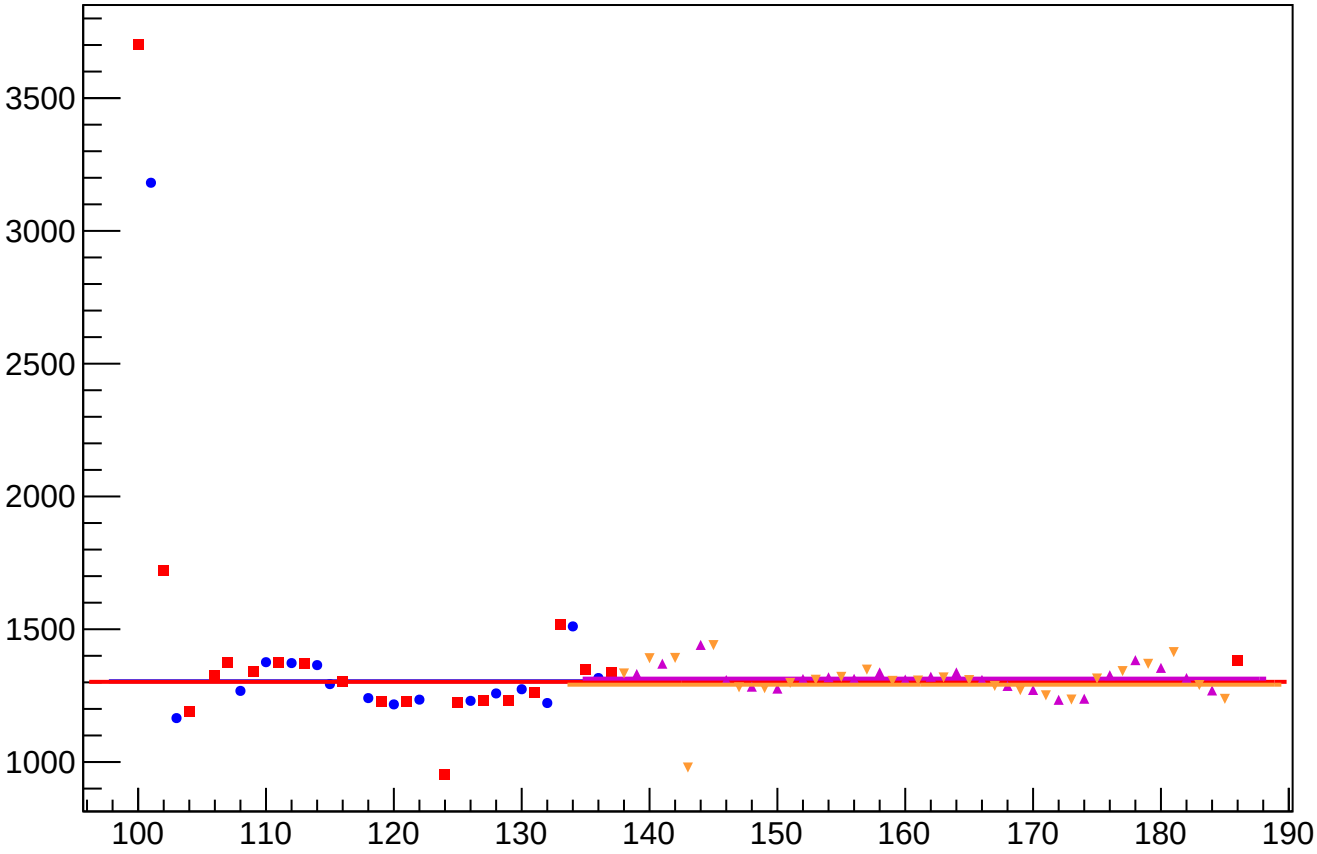
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 186.352+/-252.830 χ^2/NDF: 61.7/40

All: 252.688+/-180.458 χ^2/NDF: 99.6/83

- sign 321.577+/-257.649 χ^2/NDF: 37.7/42

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

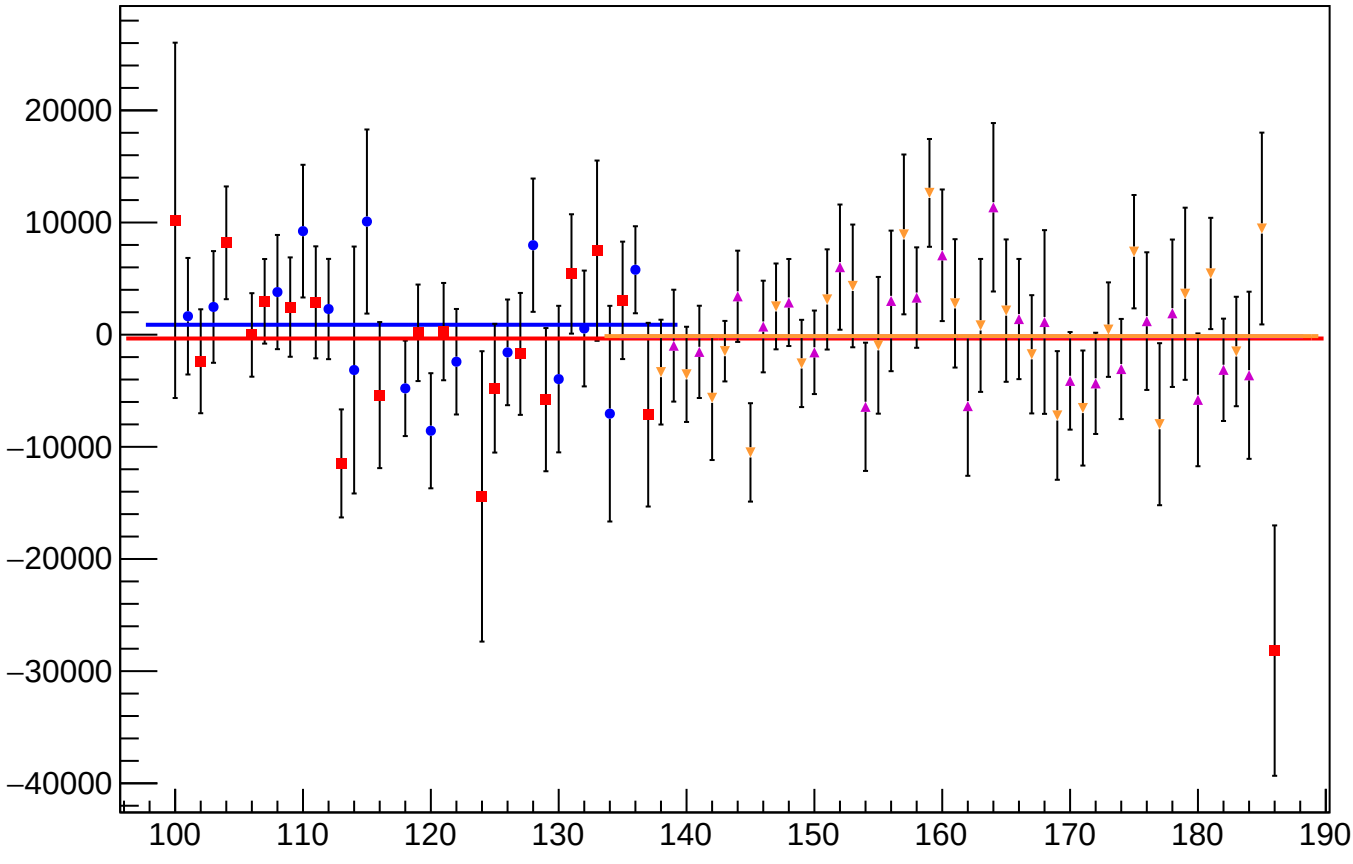
Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.3/19

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.586+/-0.179 χ^2/NDF: 742331.8/40

All: 1302.363+/-0.128 χ^2/NDF: 1006274.8/83

- sign 1310.436+/-0.182 χ^2/NDF: 260086.4/42



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

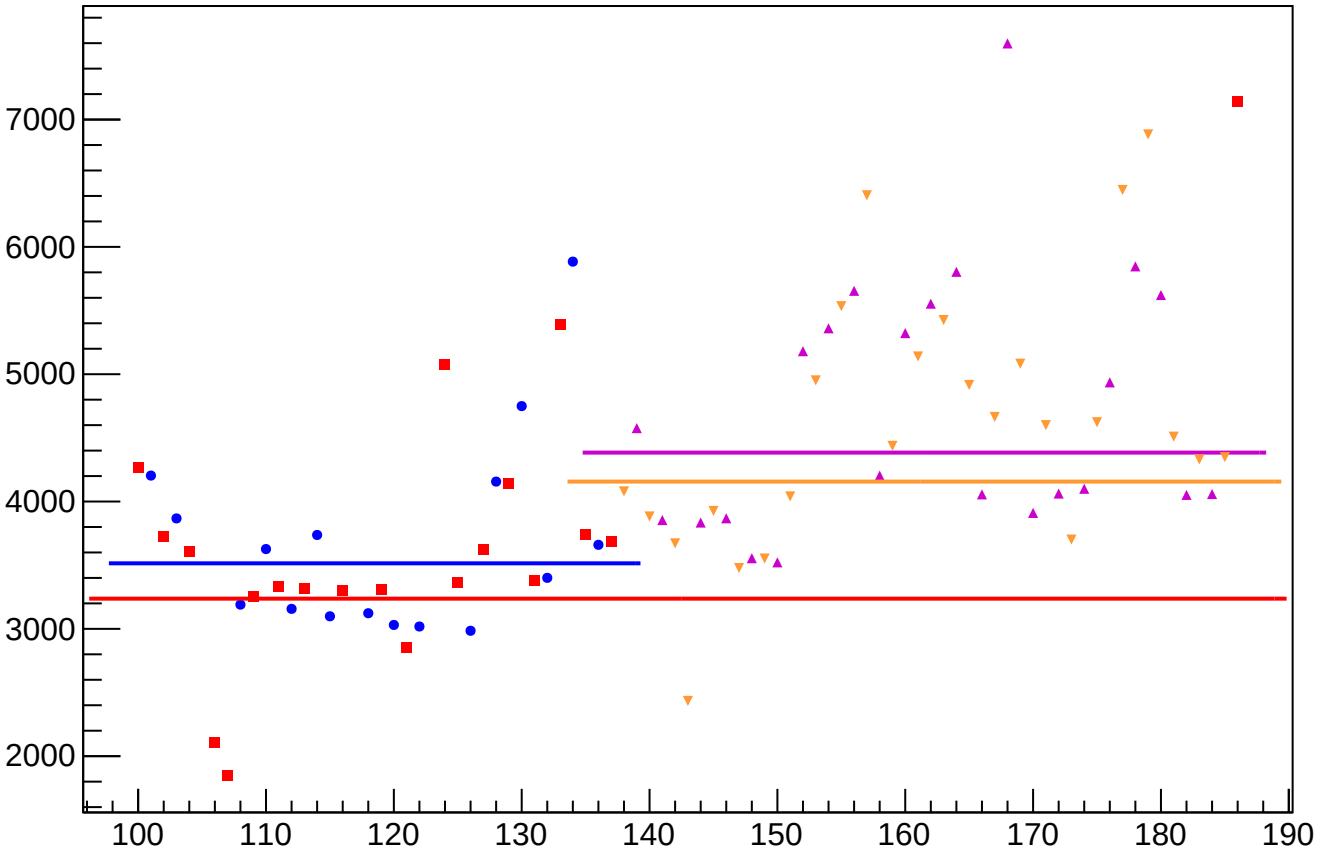
Right Out: -342.255+/-1193.137 χ^2/NDF: 23.1/19

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 228.197+/-786.967 χ^2/NDF: 43.1/40

All: -5.516+/-556.245 χ^2/NDF: 80.1/83

- sign -238.852+/-786.332 χ^2/NDF: 36.9/42



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

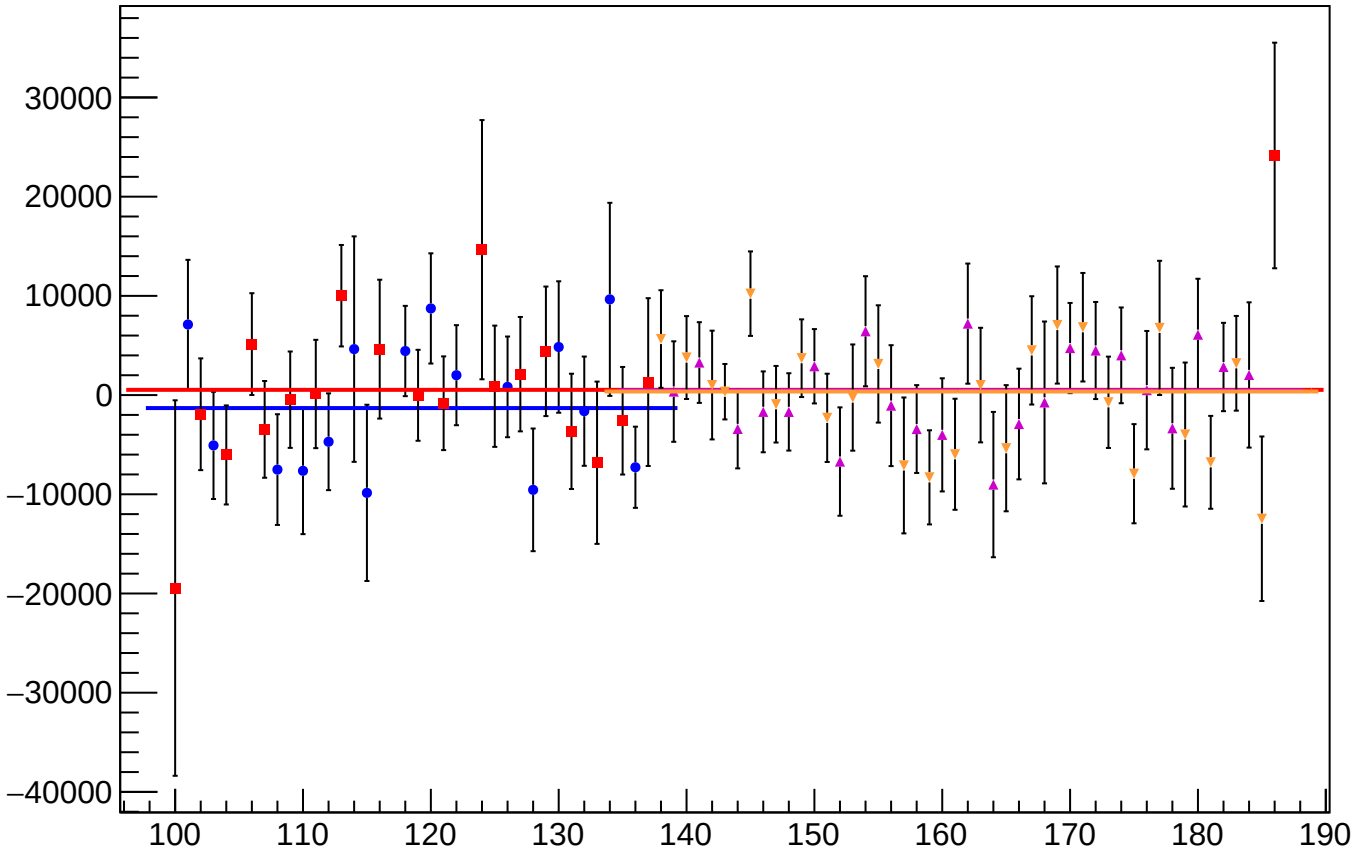
Right Out: 3237.291+/-0.844 χ^2/NDF: 1019710.1/19

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3930.984+/-0.556 χ^2/NDF: 2759112.2/40

All: 3908.536+/-0.393 χ^2/NDF: 6083135.6/83

- sign 3886.123+/-0.556 χ^2/NDF: 3320771.2/42



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 527.725+/-1326.934 χ^2/NDF: 16.0/19

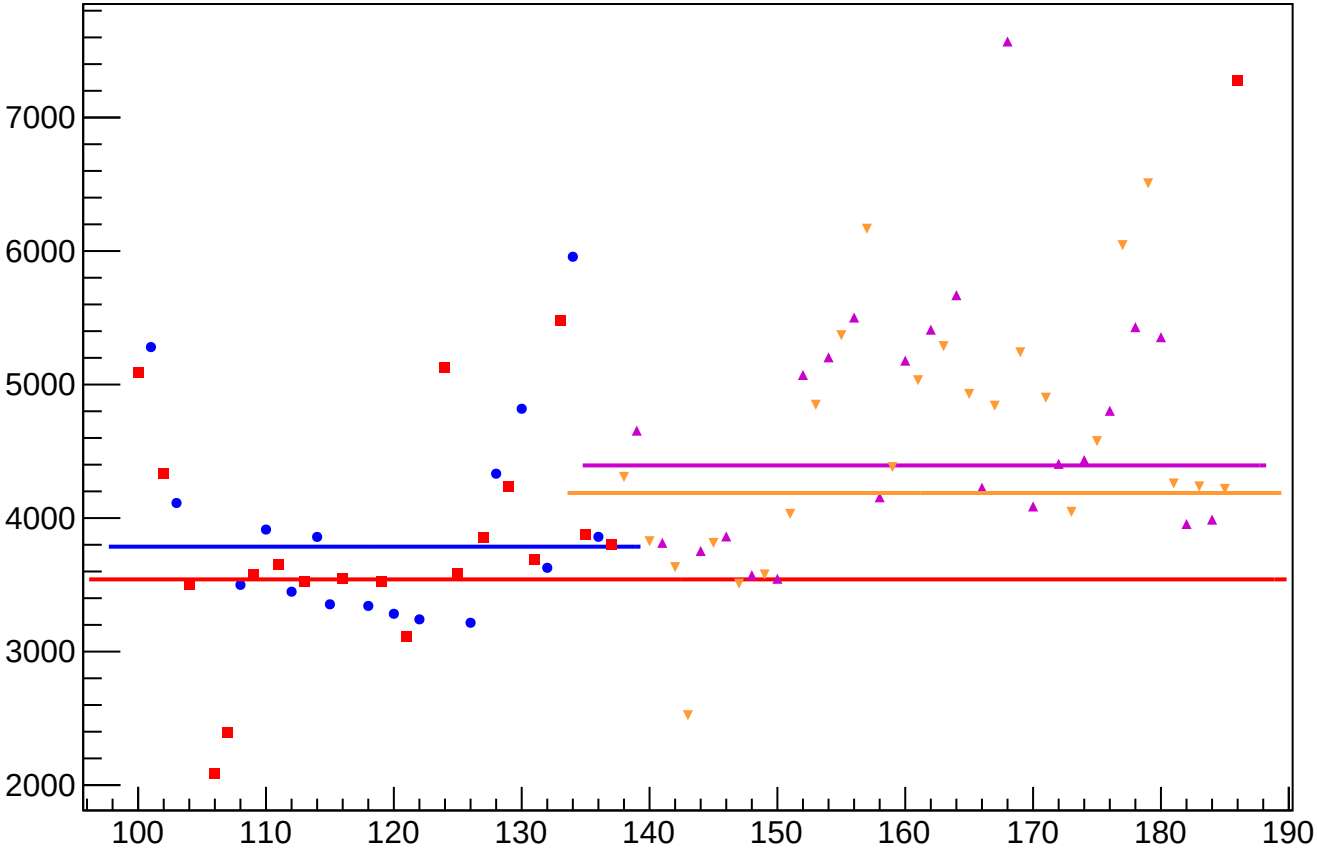
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign -170.823+/-808.599 χ^2/NDF: 46.2/40

All: 164.023+/-576.044 χ^2/NDF: 76.4/83

\- sign 509.080+/-820.836 χ^2/NDF: 29.9/42

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

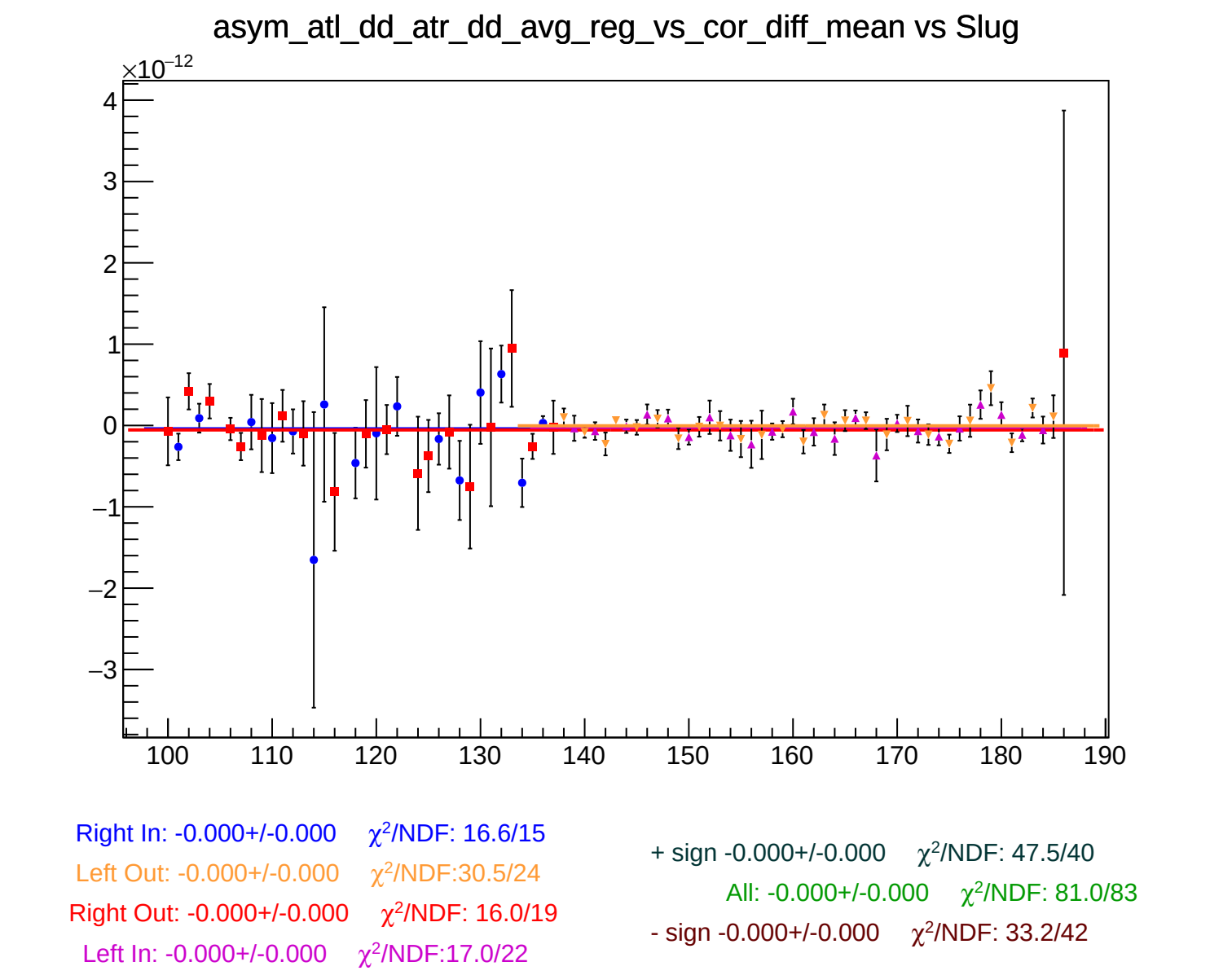
Right Out: 3540.810+/-0.926 χ^2/NDF: 805651.3/19

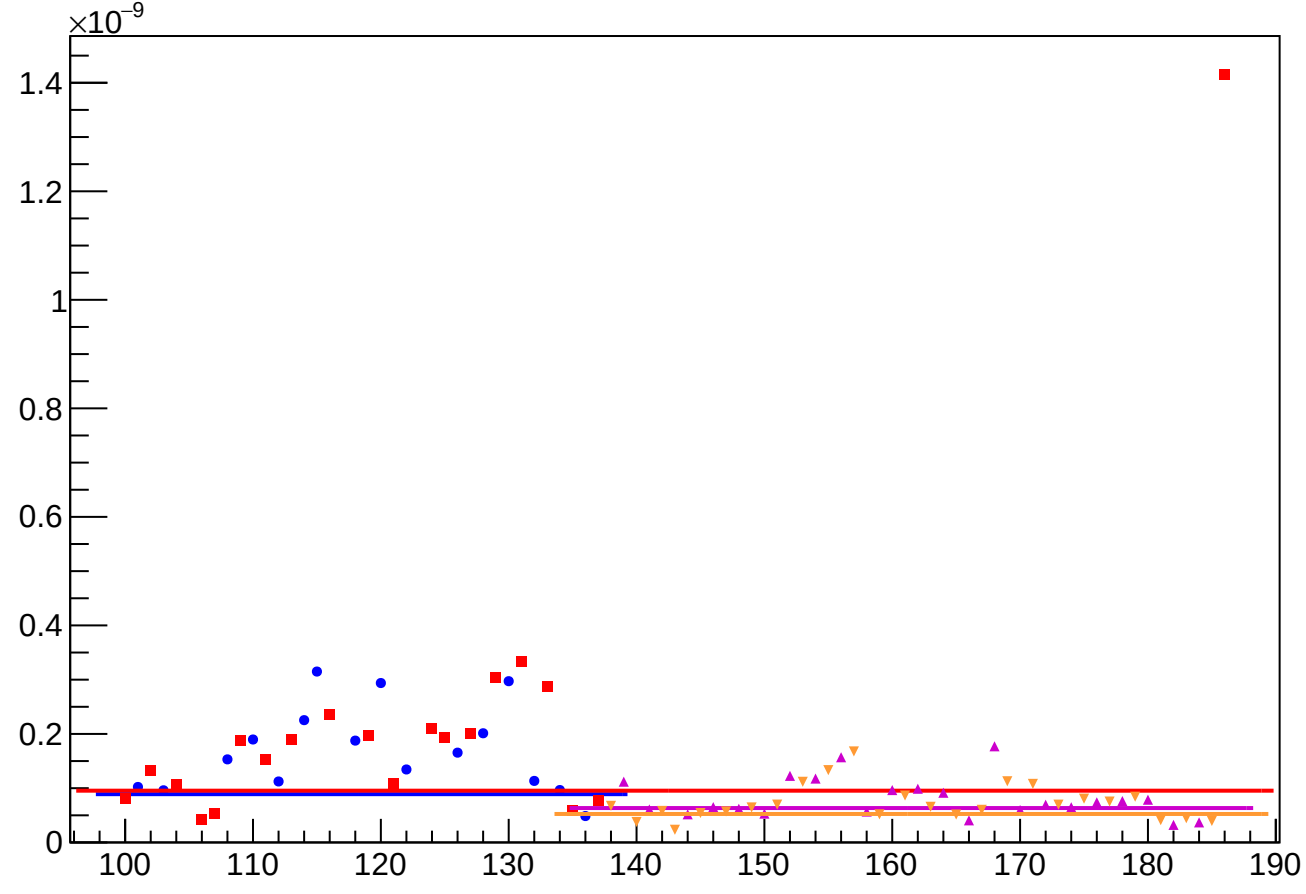
Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4059.579+/-0.572 χ^2/NDF: 2286769.5/40

All: 4060.897+/-0.406 χ^2/NDF: 4700224.5/83

- sign 4062.240+/-0.577 χ^2/NDF: 2413444.3/42


asym_atl_dd_atr_dd_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: 16.6/15
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: 47.5/40
All: -0.000+/-0.000 χ²/NDF: 81.0/83
- sign -0.000+/-0.000 χ²/NDF: 33.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2127050.6/19

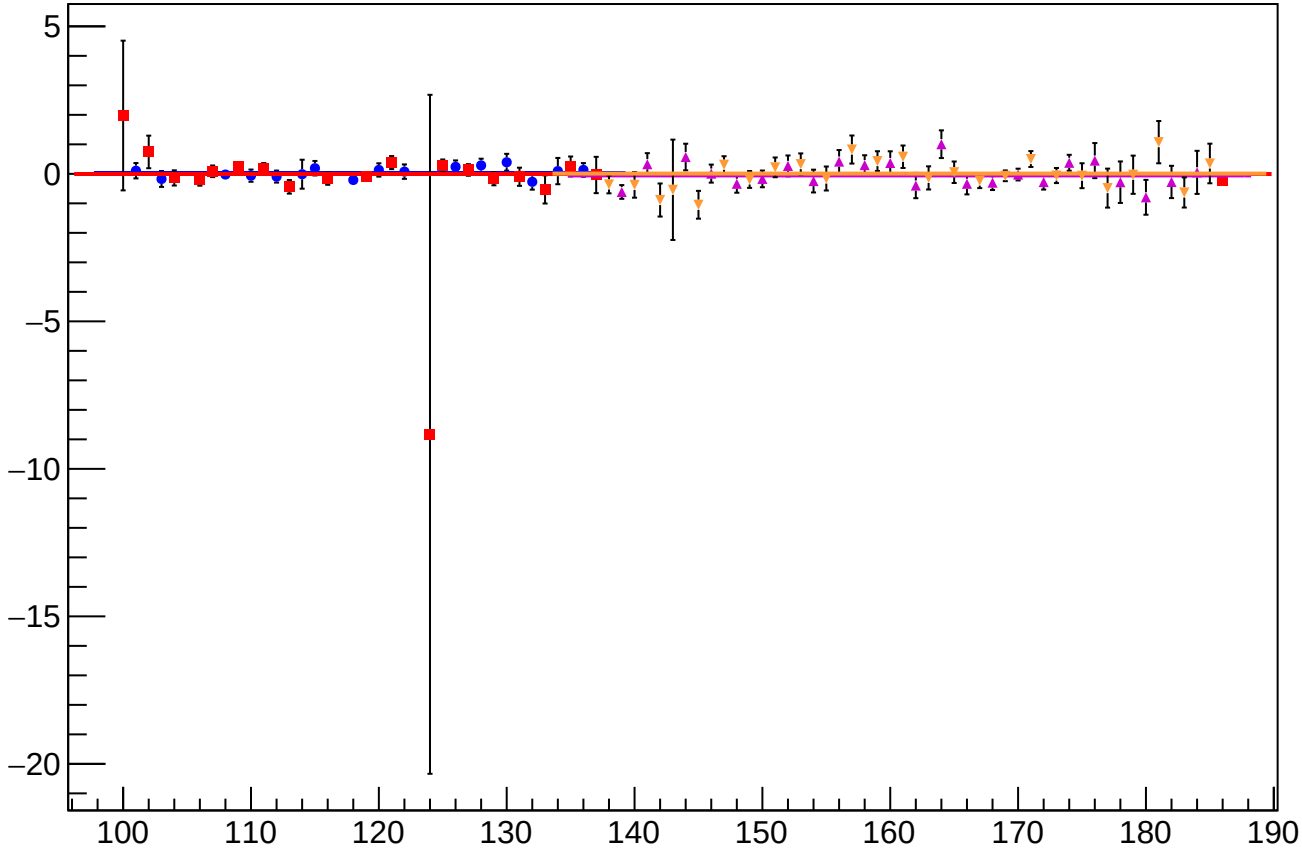
Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4759267.3/40

All: 0.000+/-0.000 χ^2/NDF: 9339600.5/83

- sign 0.000+/-0.000 χ^2/NDF: 4344977.8/42

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

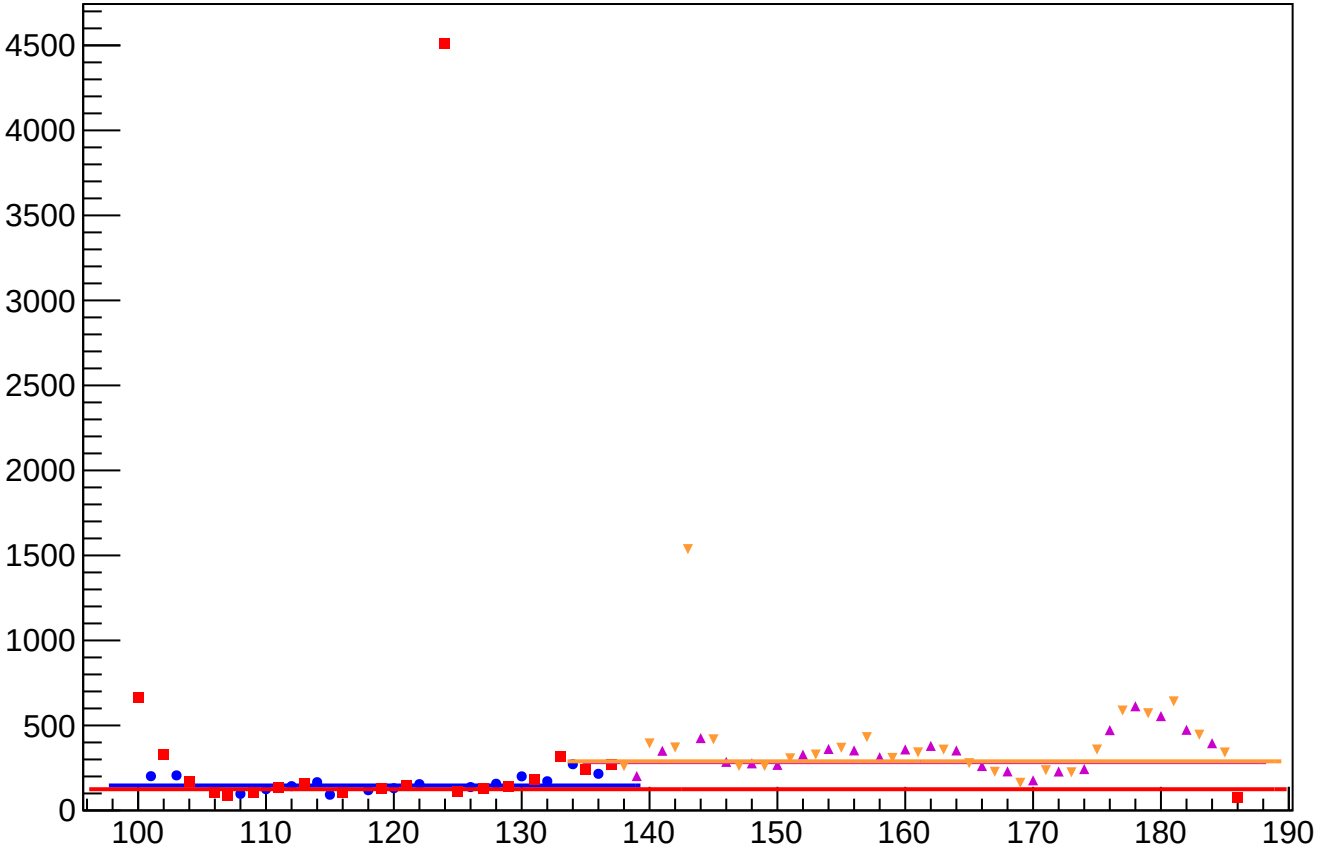
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.020+/-0.045 χ^2/NDF: 38.4/40

All: -0.002+/-0.030 χ^2/NDF: 91.0/83

- 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: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

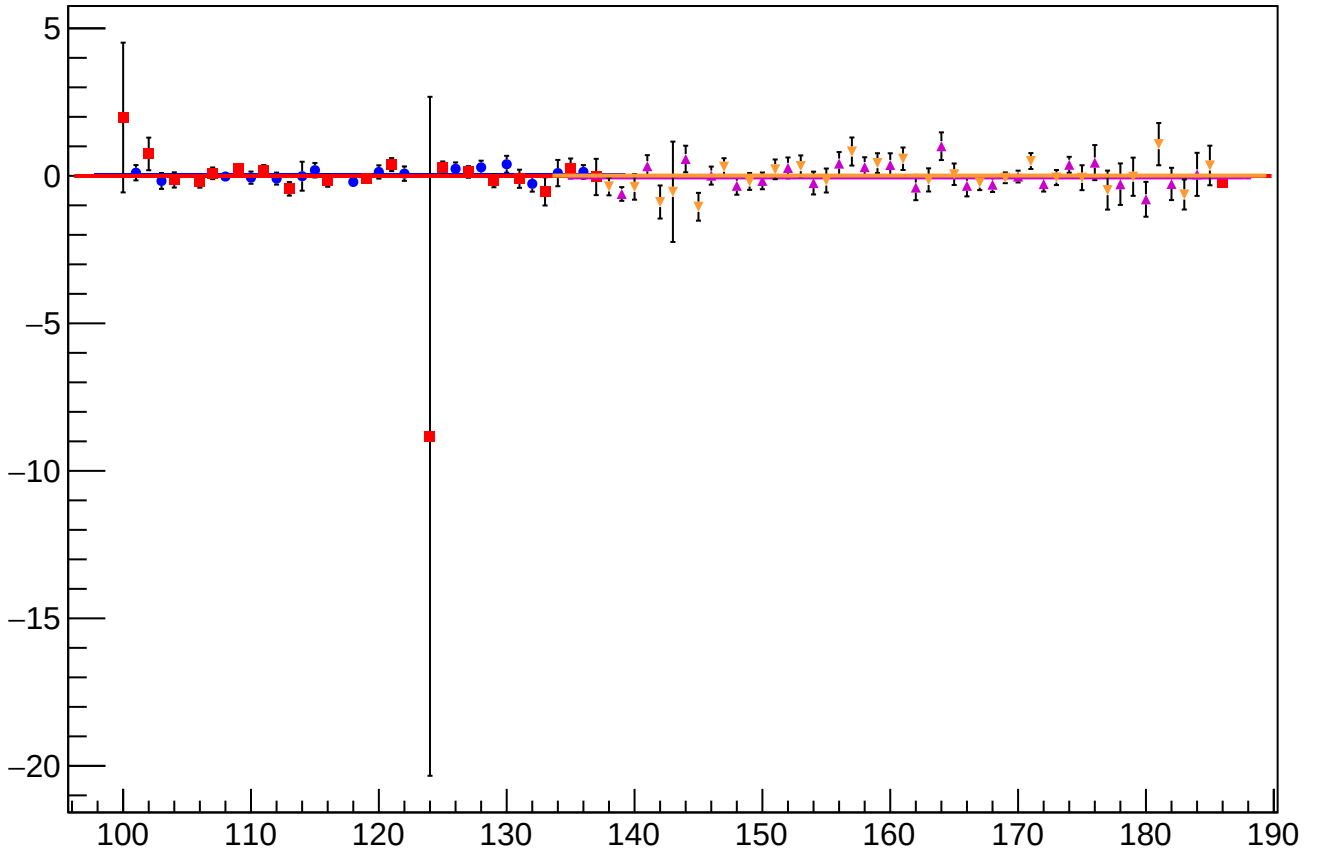
Right Out: 124.903+/-0.036 χ^2/NDF: 1990528.4/19

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 203.332+/-0.032 χ^2/NDF: 10469528.6/40

All: 189.837+/-0.021 χ^2/NDF: 22654834.0/83

- sign 178.593+/-0.029 χ^2/NDF: 11852392.4/42



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

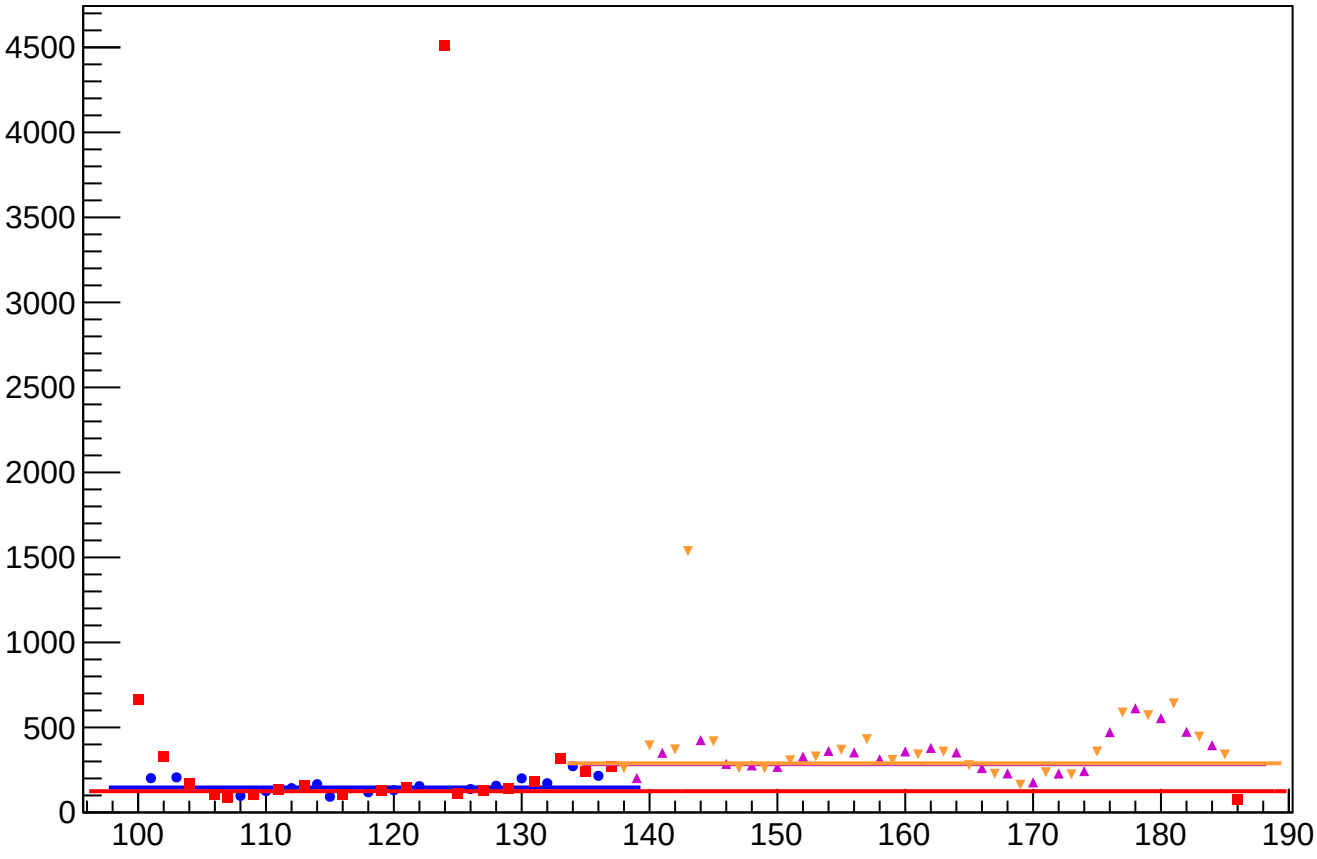
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.020+/-0.045 χ^2/NDF: 38.4/40

All: -0.002+/-0.030 χ^2/NDF: 91.0/83

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

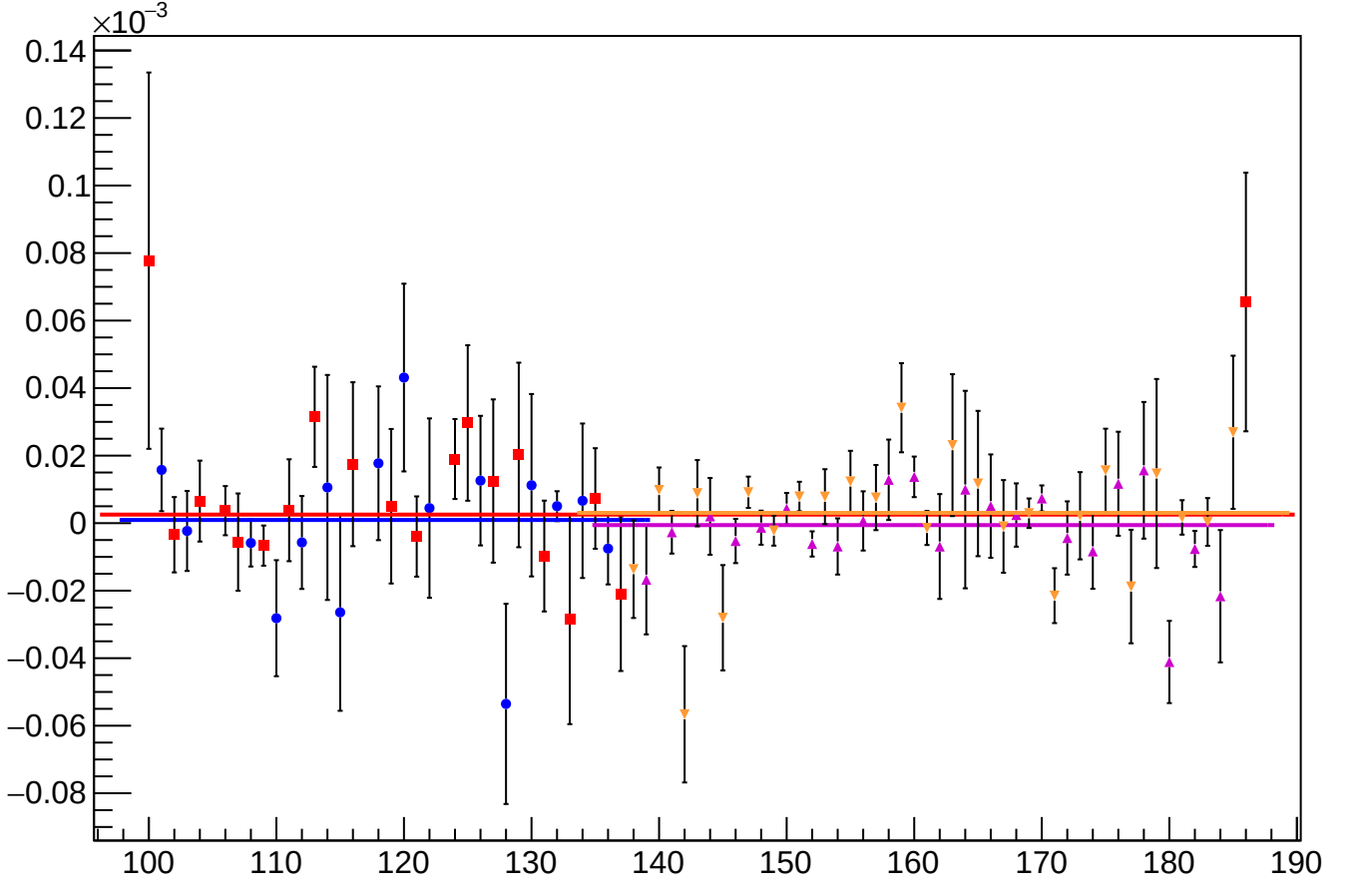
Right Out: 124.903+/-0.036 χ^2/NDF: 1990528.4/19

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 203.332+/-0.032 χ^2/NDF: 10469528.6/40

All: 189.837+/-0.021 χ^2/NDF: 22654834.0/83

- sign 178.593+/-0.029 χ^2/NDF: 11852392.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

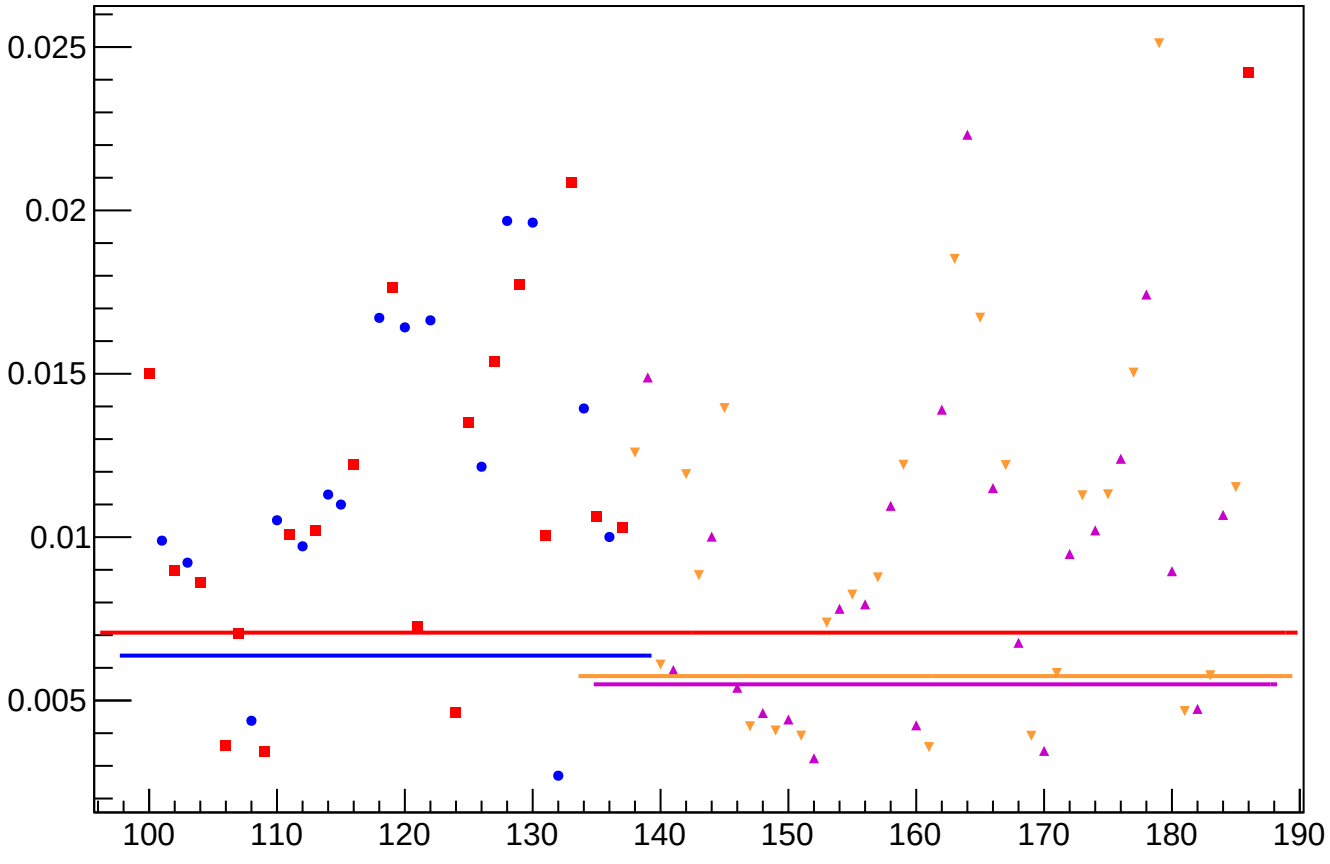
Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.5/40

All: 0.000+/-0.000 χ^2/NDF: 112.1/83

- sign 0.000+/-0.000 χ^2/NDF: 52.8/42



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

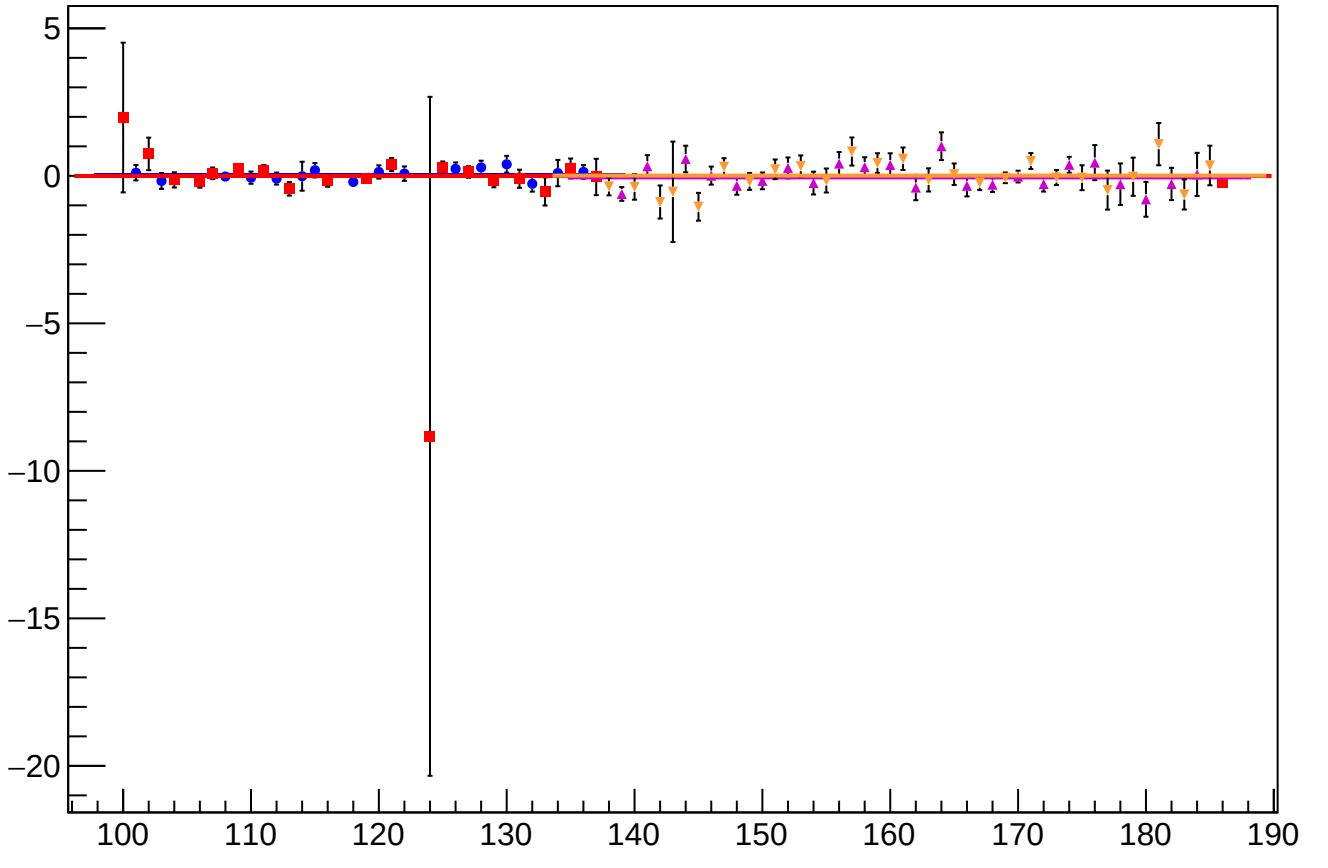
Right Out: 0.007+/-0.000 χ^2/NDF: 3813334.3/19

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 12840534.1/40

All: 0.006+/-0.000 χ^2/NDF: 24035502.7/83

- sign 0.006+/-0.000 χ^2/NDF: 11192731.8/42



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

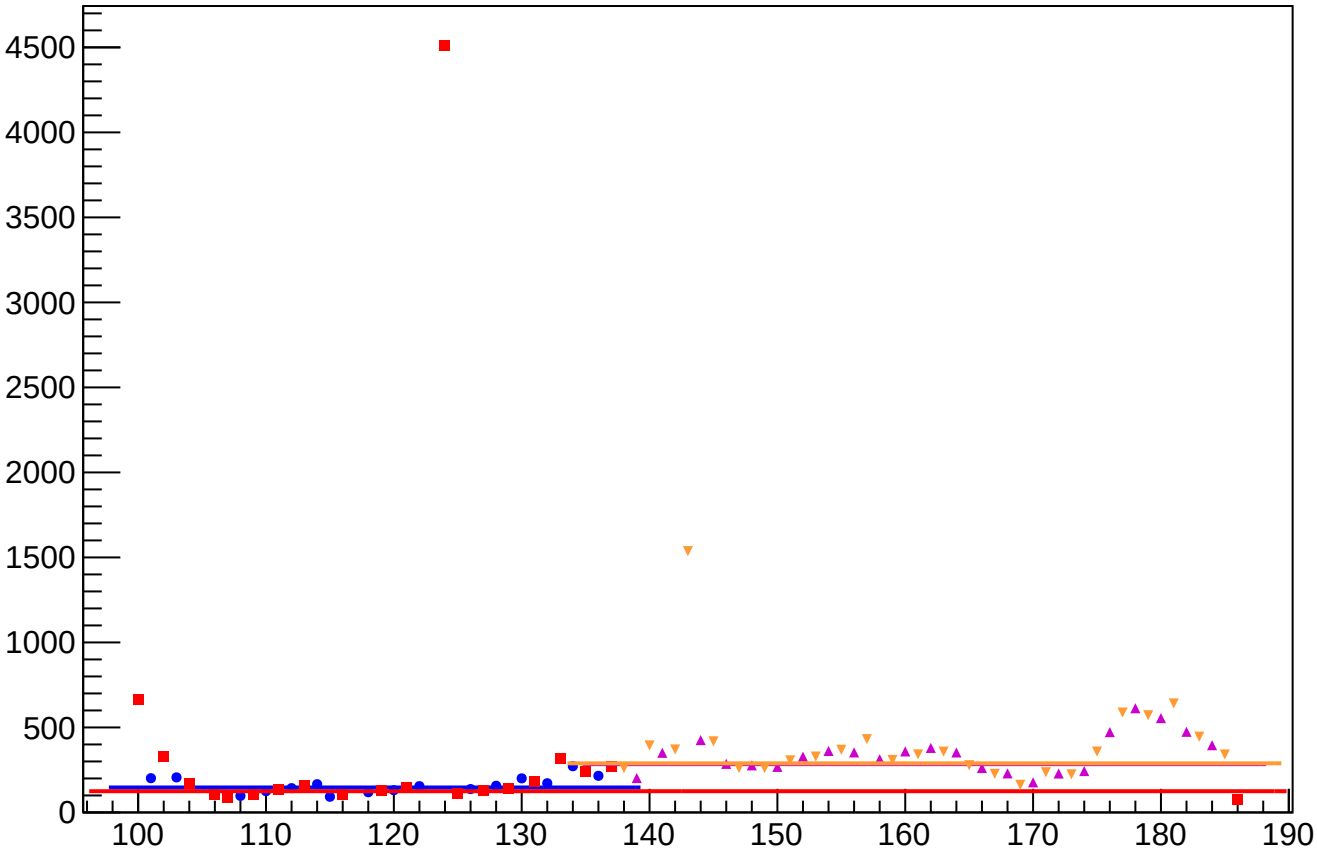
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.021+/-0.045 χ^2/NDF: 38.4/40

All: -0.002+/-0.030 χ^2/NDF: 91.0/83

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

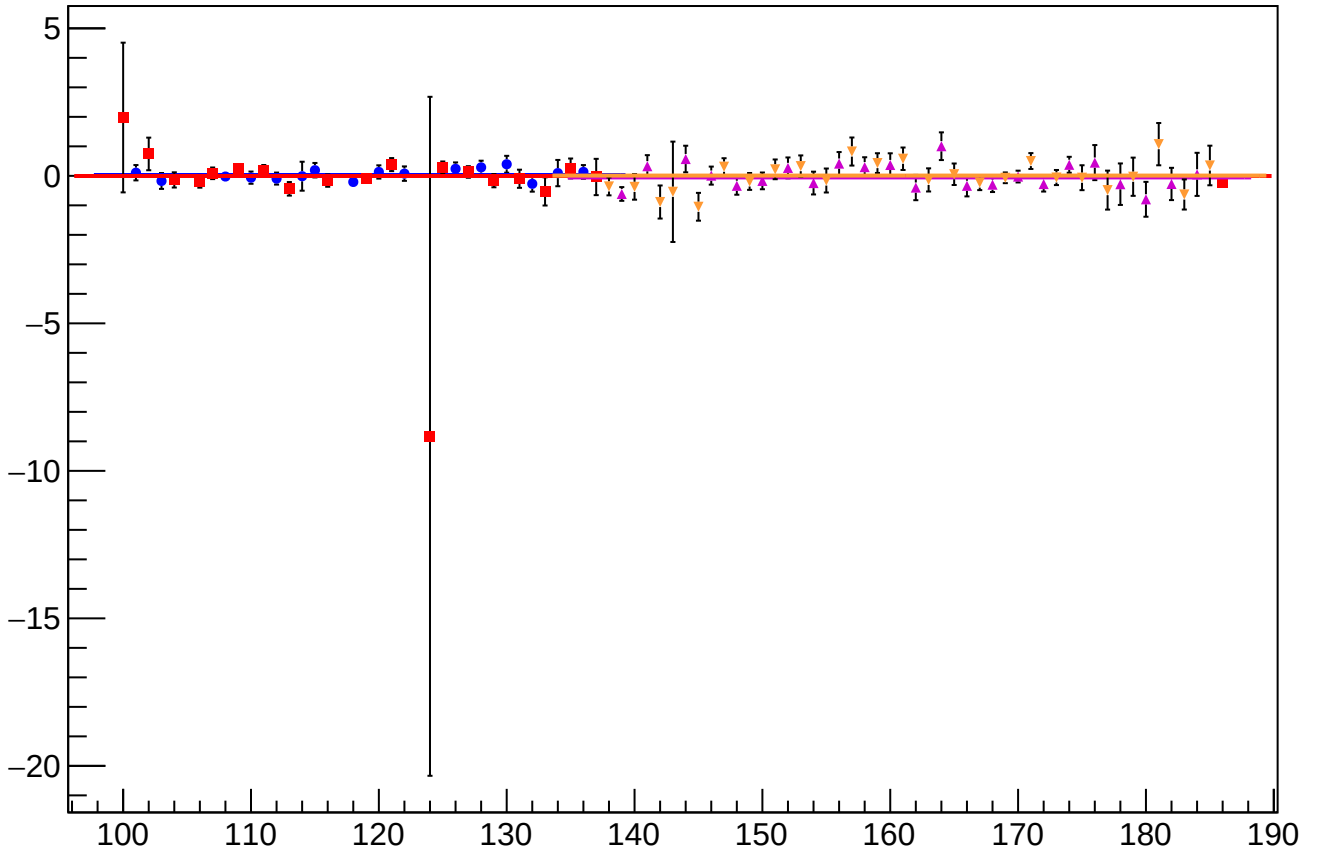
Right Out: 124.905+/-0.036 χ^2/NDF: 1990418.8/19

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 203.331+/-0.032 χ^2/NDF: 10469666.3/40

All: 189.838+/-0.021 χ^2/NDF: 22654775.1/83

- sign 178.595+/-0.029 χ^2/NDF: 11852258.1/42



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

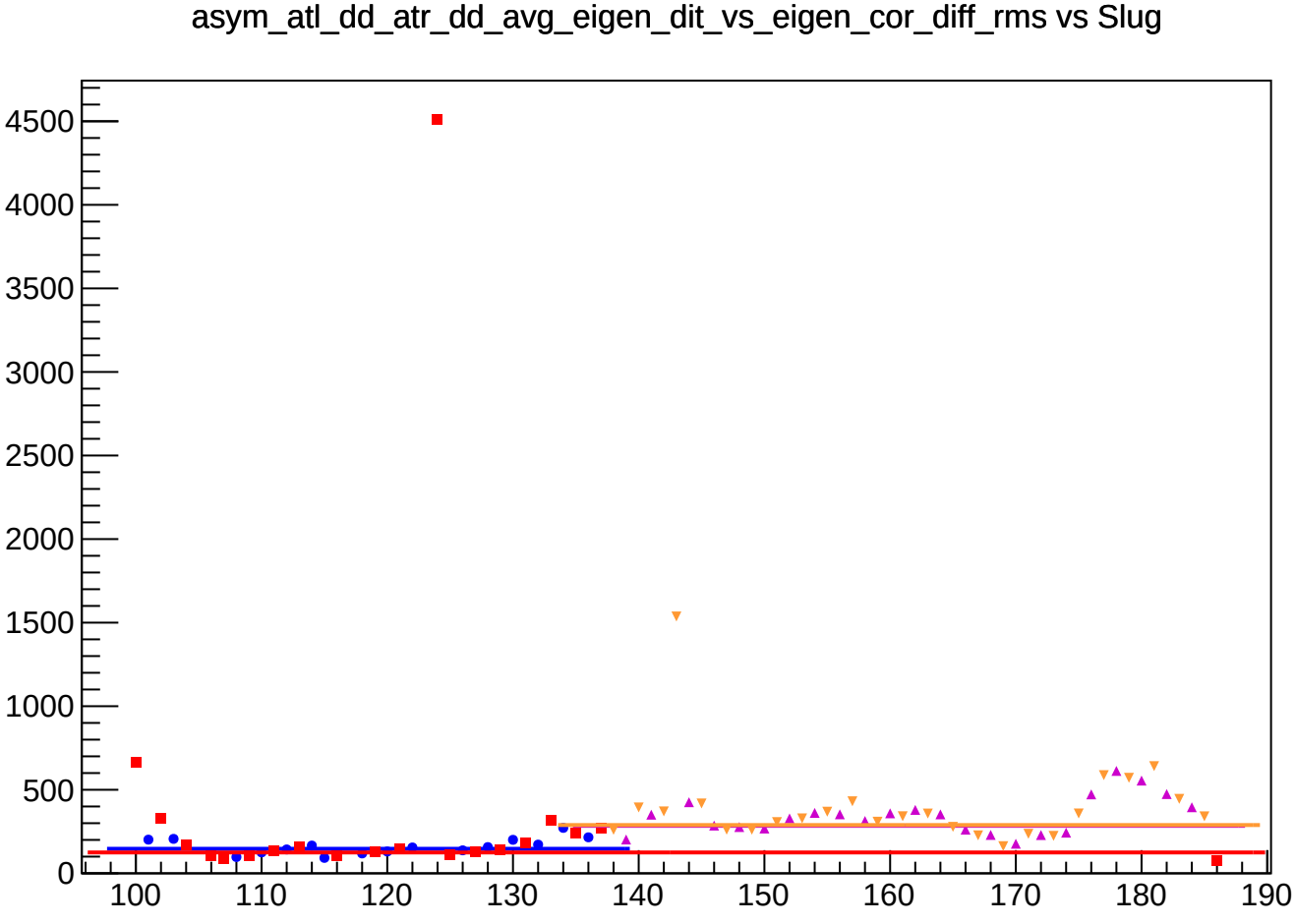
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.021+/-0.045 χ^2/NDF: 38.4/40

All: -0.002+/-0.030 χ^2/NDF: 91.0/83

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

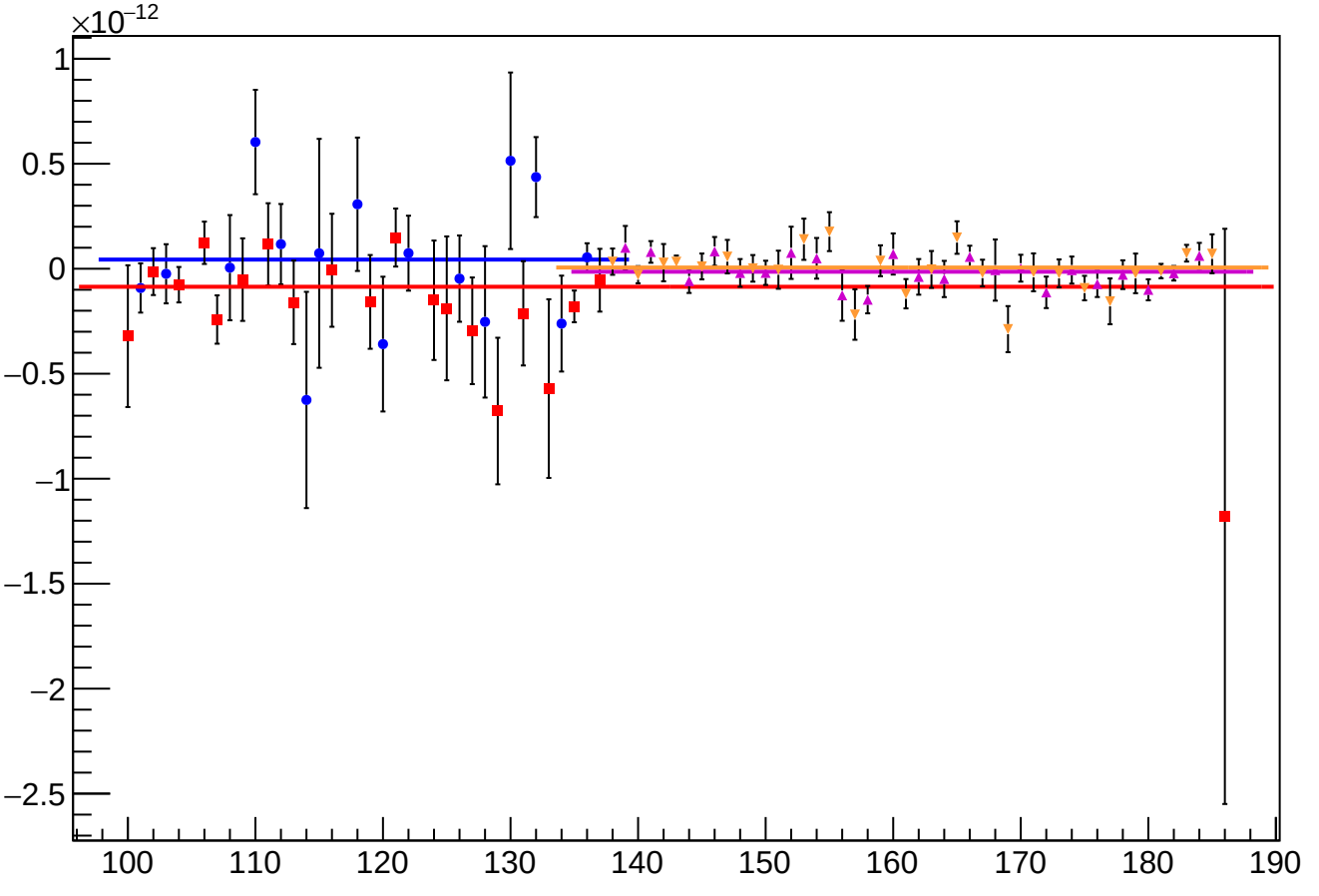
Right Out: 124.905+/-0.036 χ^2/NDF: 1990418.8/19

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 203.331+/-0.032 χ^2/NDF: 10469666.3/40

All: 189.838+/-0.021 χ^2/NDF: 22654775.1/83

- sign 178.595+/-0.029 χ^2/NDF: 11852258.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

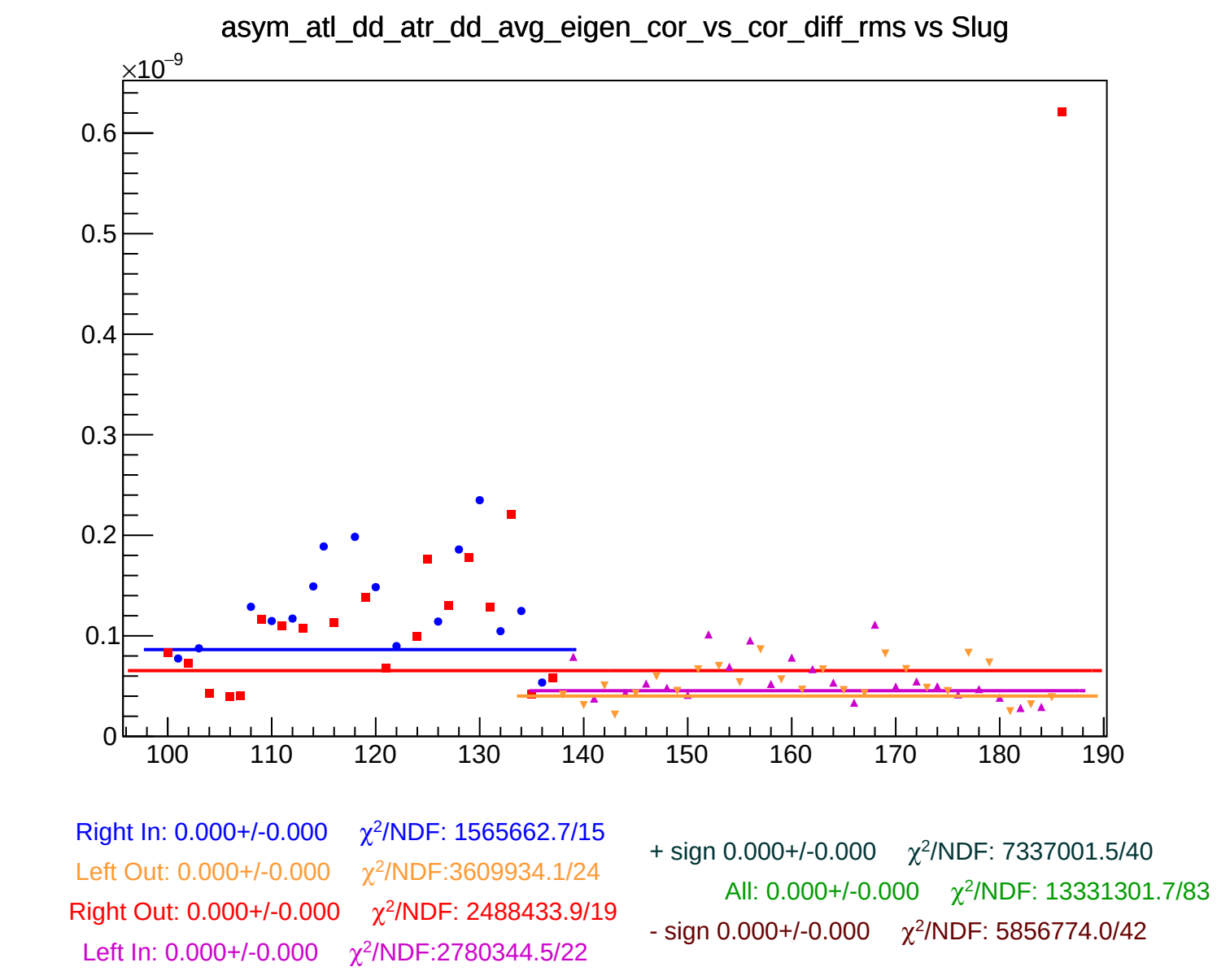
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/19

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

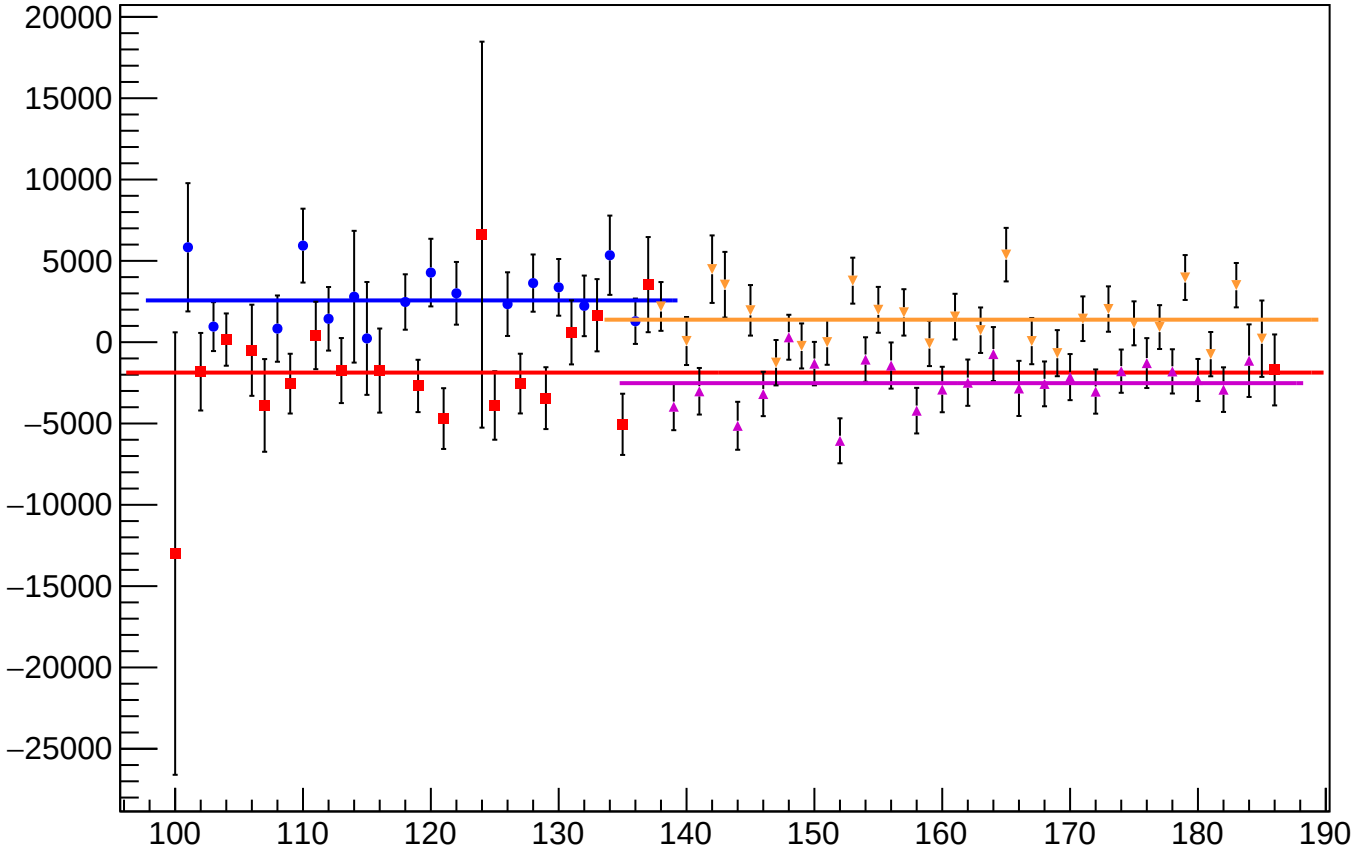
+ sign 0.000+/-0.000 χ^2/NDF: 53.8/40

All: -0.000+/-0.000 χ^2/NDF: 103.3/83

- 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: 1565662.7/15
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: 7337001.5/40
All: 0.000+/-0.000 χ²/NDF: 13331301.7/83
- sign 0.000+/-0.000 χ²/NDF: 5856774.0/42

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1869.627+/-482.472 χ^2/NDF: 19.5/19

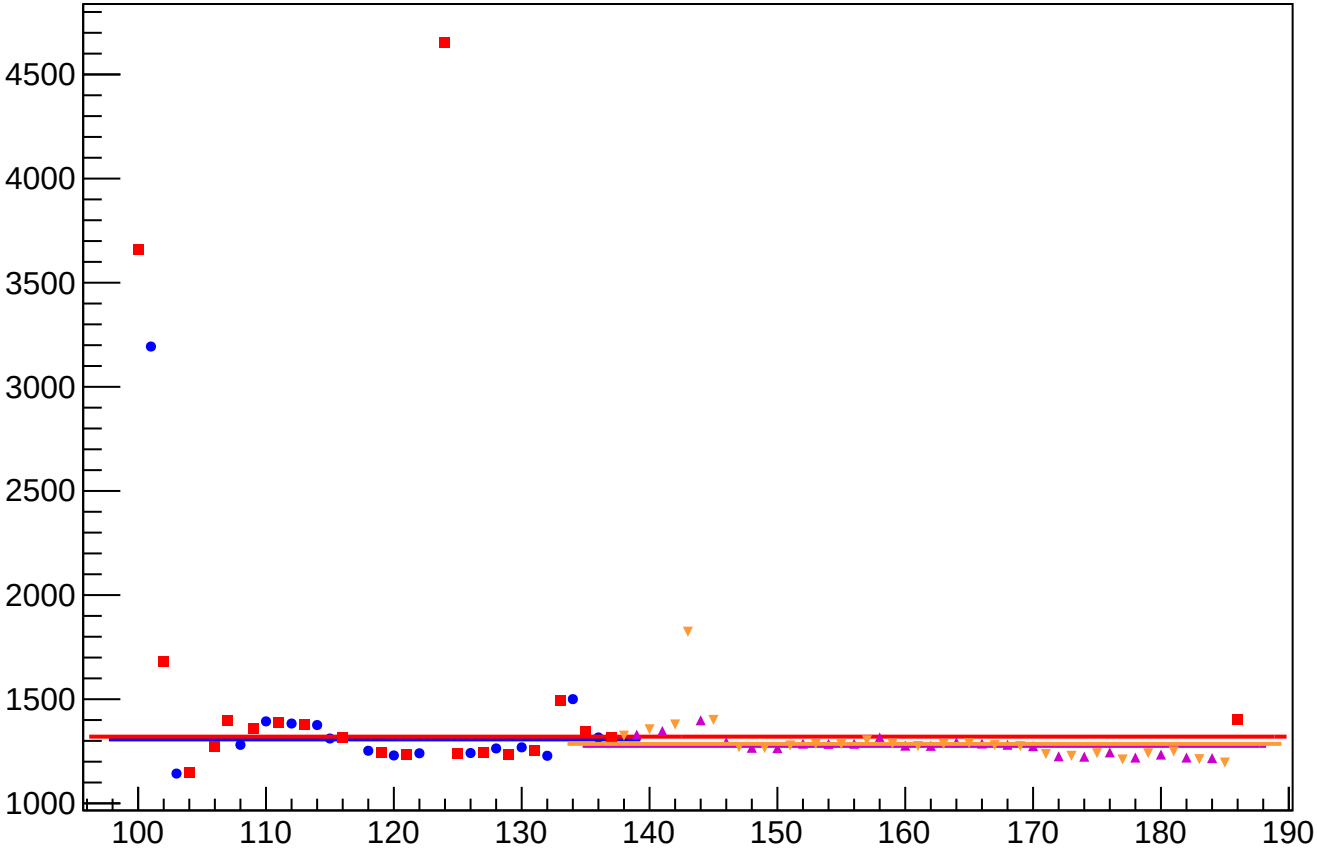
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1689.827+/-252.045 χ^2/NDF: 46.2/40

All: -312.660+/-178.769 χ^2/NDF: 216.5/83

- sign -2339.859+/-253.596 χ^2/NDF: 43.3/42

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

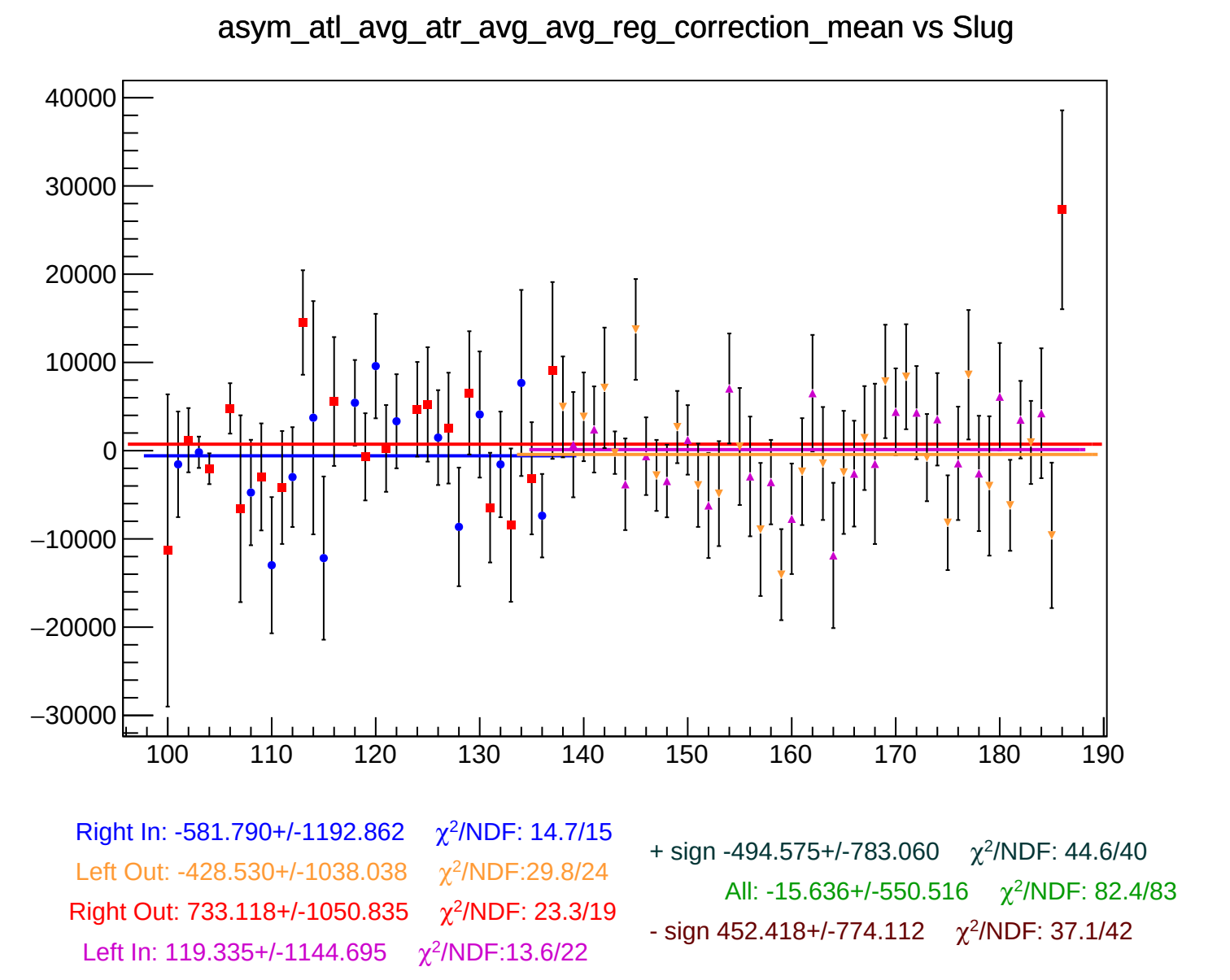
Right Out: 1320.260+/-0.340 χ^2/NDF: 329486.0/19

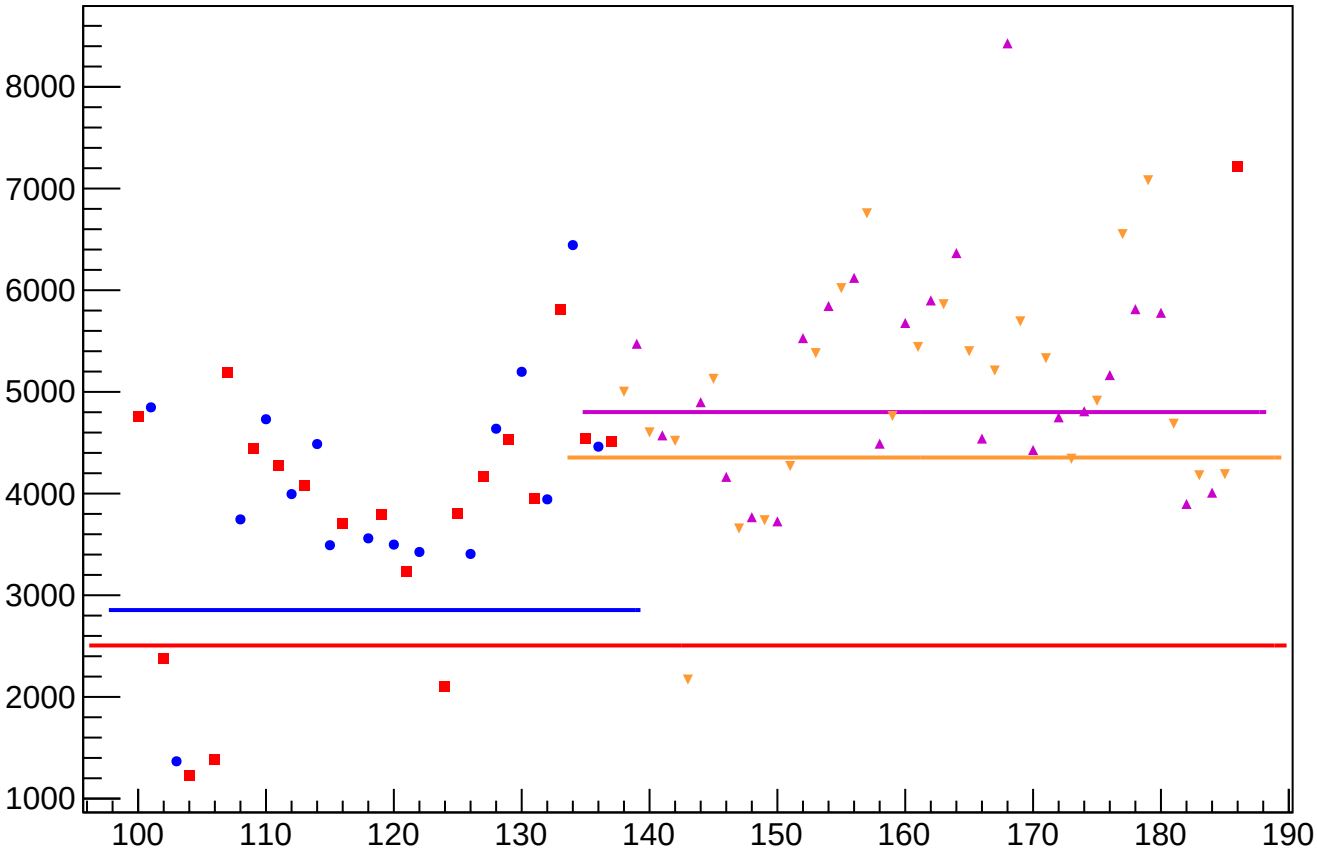
Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.194+/-0.178 χ^2/NDF: 710047.5/40

All: 1289.720+/-0.126 χ^2/NDF: 1093329.0/83

- sign 1288.230+/-0.179 χ^2/NDF: 383144.0/42


asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -581.790+/-1192.862 χ²/NDF: 14.7/15
Left Out: -428.530+/-1038.038 χ²/NDF:29.8/24
Right Out: 733.118+/-1050.835 χ²/NDF: 23.3/19
Left In: 119.335+/-1144.695 χ²/NDF:13.6/22
+ sign -494.575+/-783.060 χ²/NDF: 44.6/40
All: -15.636+/-550.516 χ²/NDF: 82.4/83
- sign 452.418+/-774.112 χ²/NDF: 37.1/42



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 2505.958+/-0.743 χ^2/NDF: 3709242.0/19

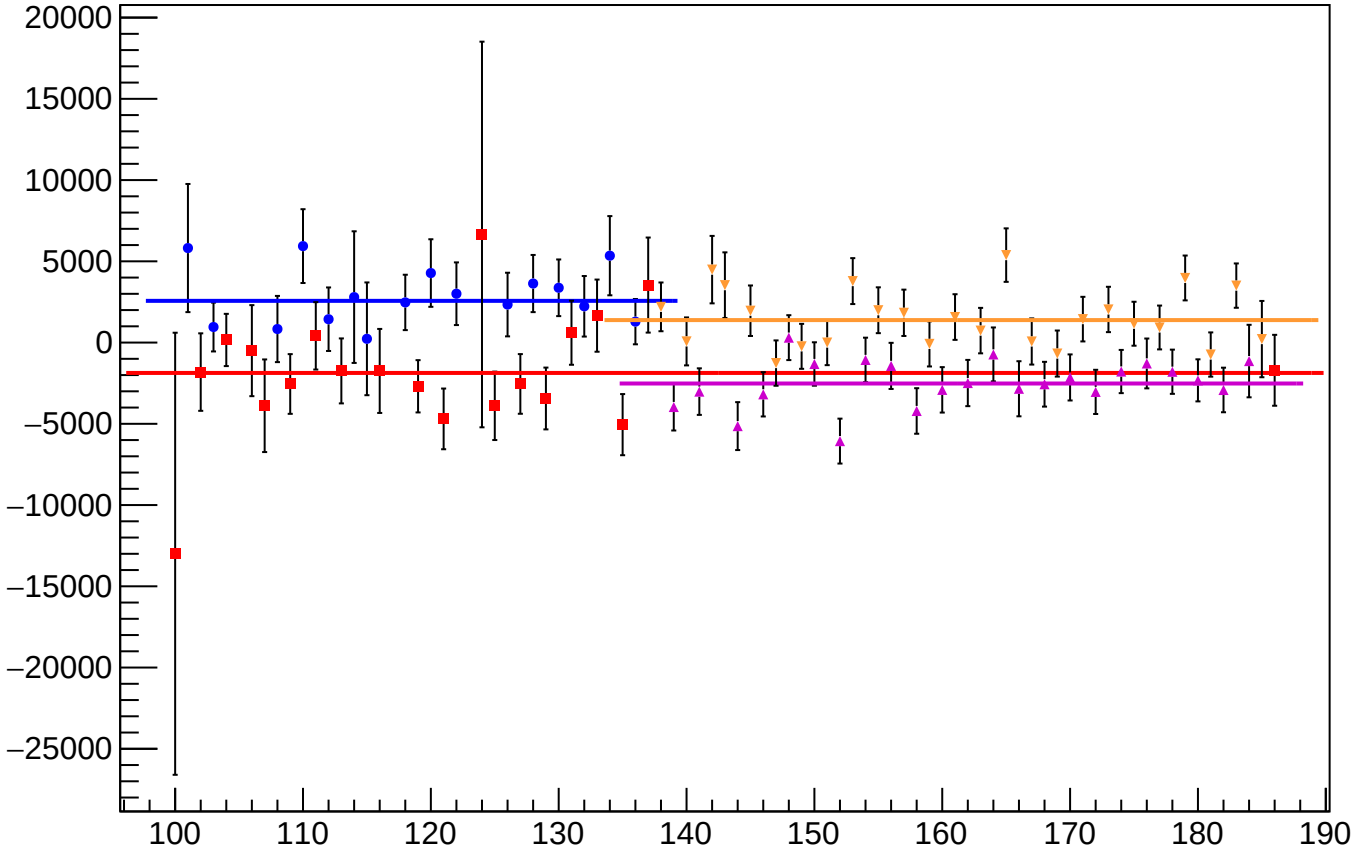
Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3708.029+/-0.554 χ^2/NDF: 7776484.1/40

All: 3631.043+/-0.389 χ^2/NDF: 17120852.7/8

- sign 3555.806+/-0.547 χ^2/NDF: 9306144.5/42

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1869.380+/-482.472 χ^2/NDF: 19.6/19

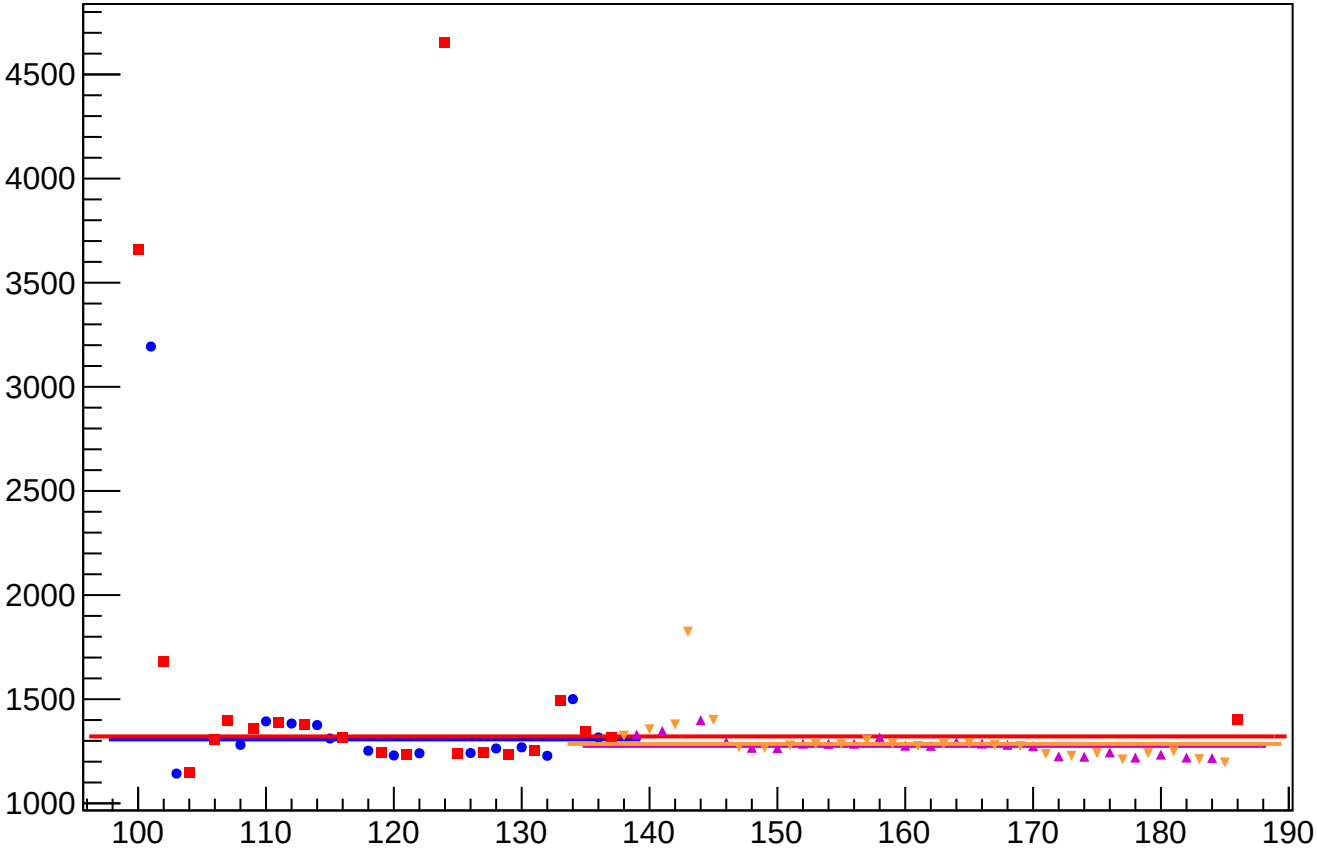
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1689.707+/-252.045 χ^2/NDF: 46.2/40

All: -312.687+/-178.769 χ^2/NDF: 216.5/83

- sign -2339.792+/-253.596 χ^2/NDF: 43.3/42

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

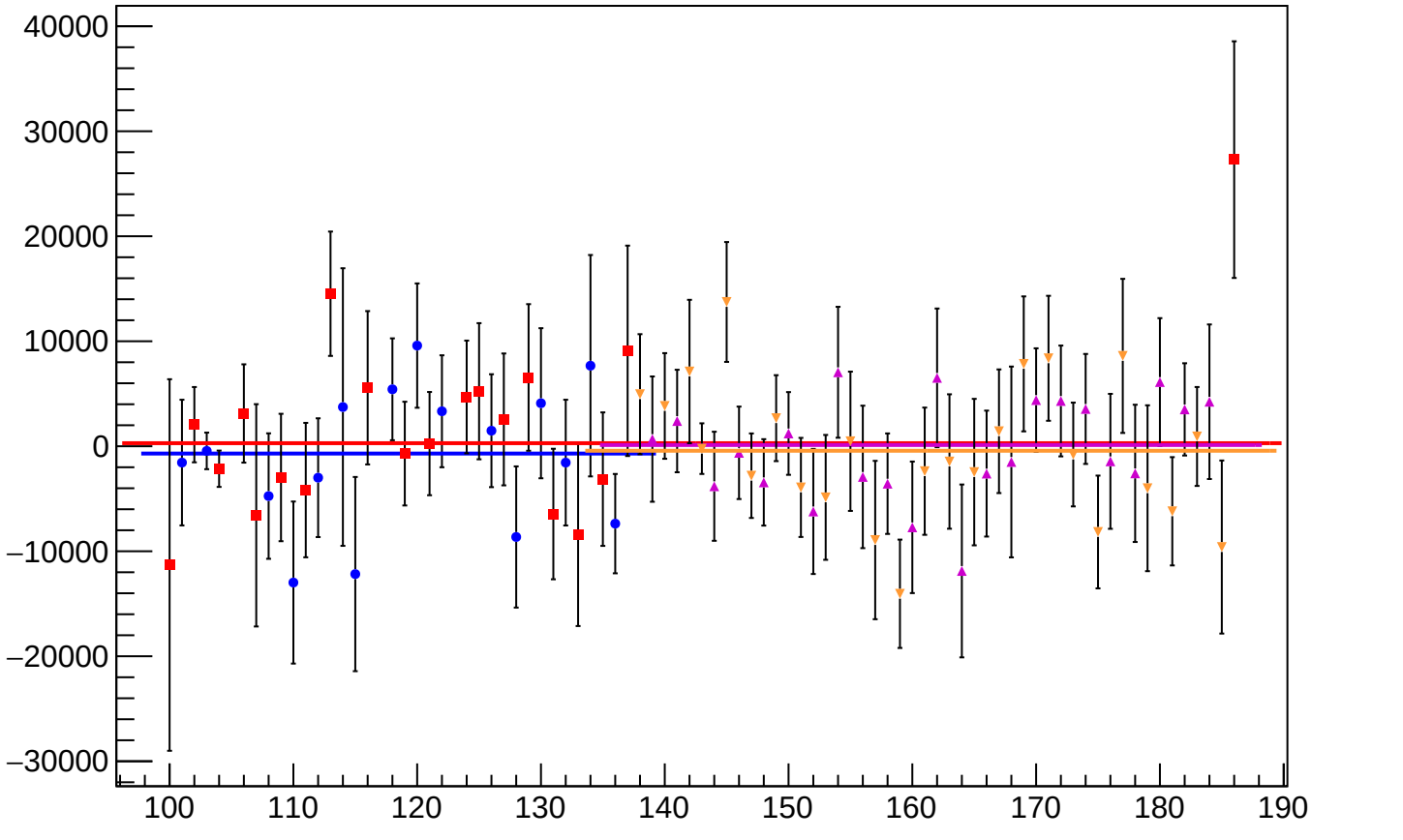
Right Out: 1321.340+/-0.341 χ^2/NDF: 328914.0/19

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.194+/-0.178 χ^2/NDF: 710049.0/40

All: 1289.863+/-0.126 χ^2/NDF: 1093324.2/83

- sign 1288.516+/-0.179 χ^2/NDF: 383163.0/42



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

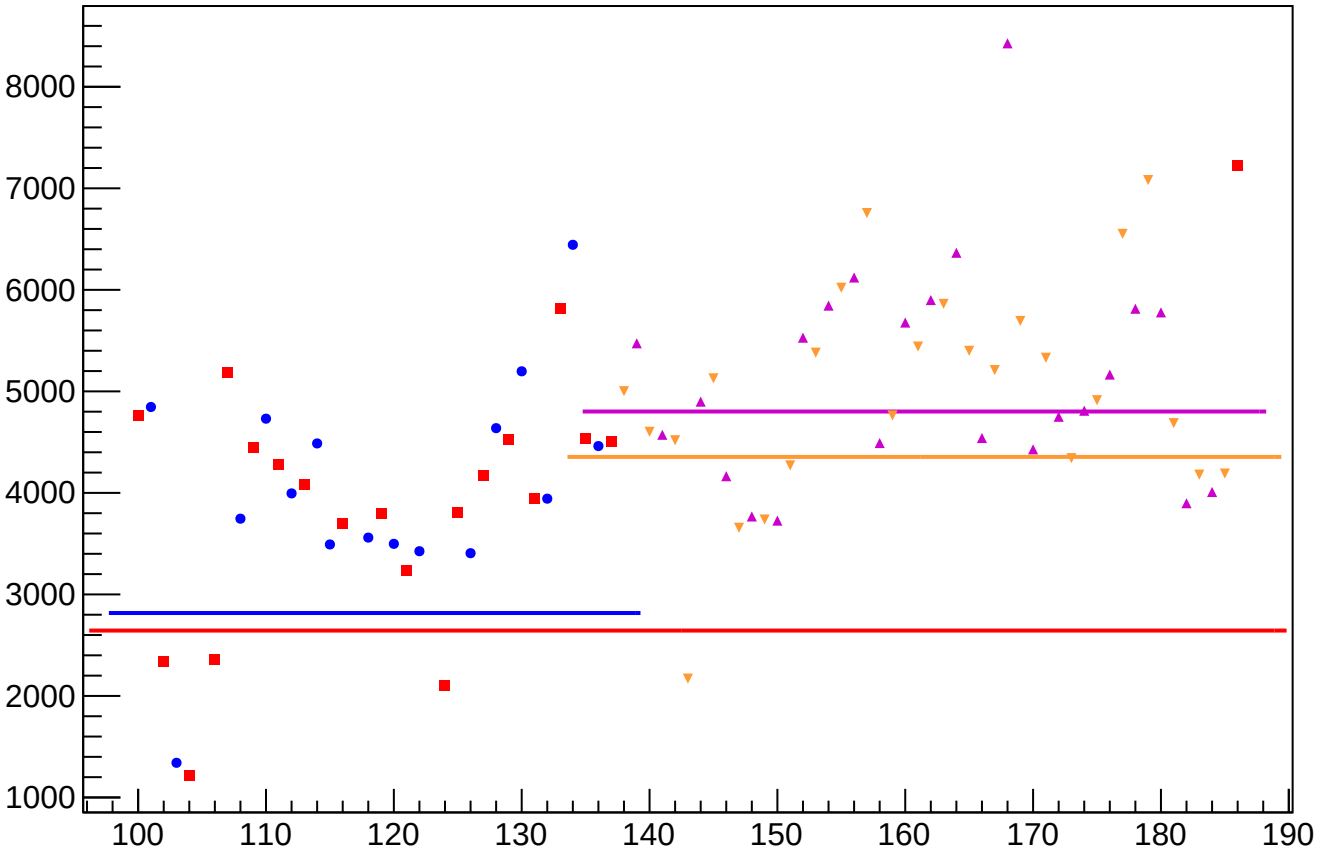
Right Out: 292.587+/-1093.029 χ^2/NDF: 21.7/19

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -544.615+/-780.087 χ^2/NDF: 44.5/40

All: -172.348+/-555.257 χ^2/NDF: 80.4/83

- sign 209.946+/-790.522 χ^2/NDF: 35.4/42



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

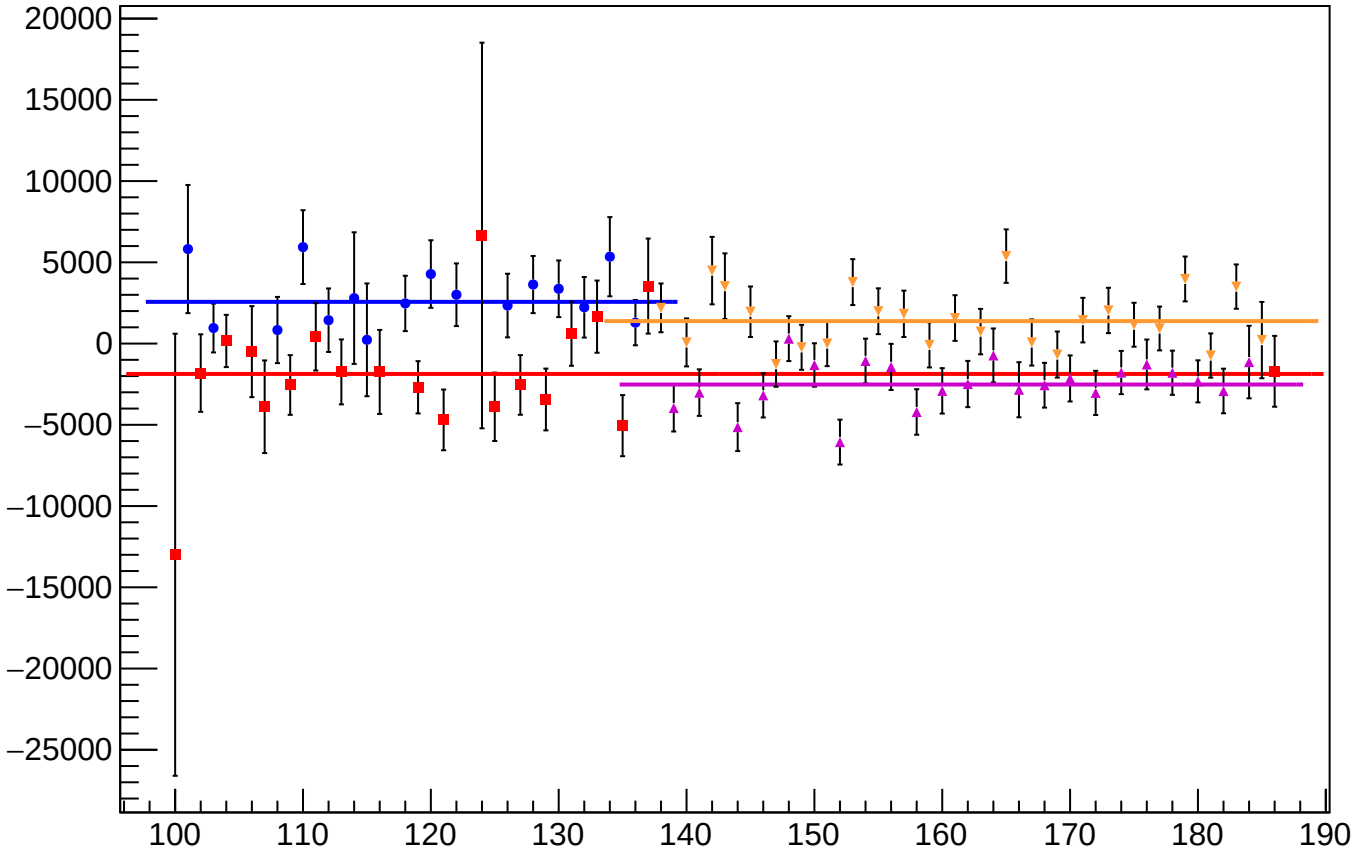
Right Out: 2643.999+/-0.773 χ^2/NDF: 3413925.2/19

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3685.225+/-0.552 χ^2/NDF: 7989376.9/40

All: 3679.191+/-0.393 χ^2/NDF: 16352039.9/8

- sign 3672.996+/-0.559 χ^2/NDF: 8362420.5/42



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1869.380+/-482.472 χ^2/NDF: 19.6/19

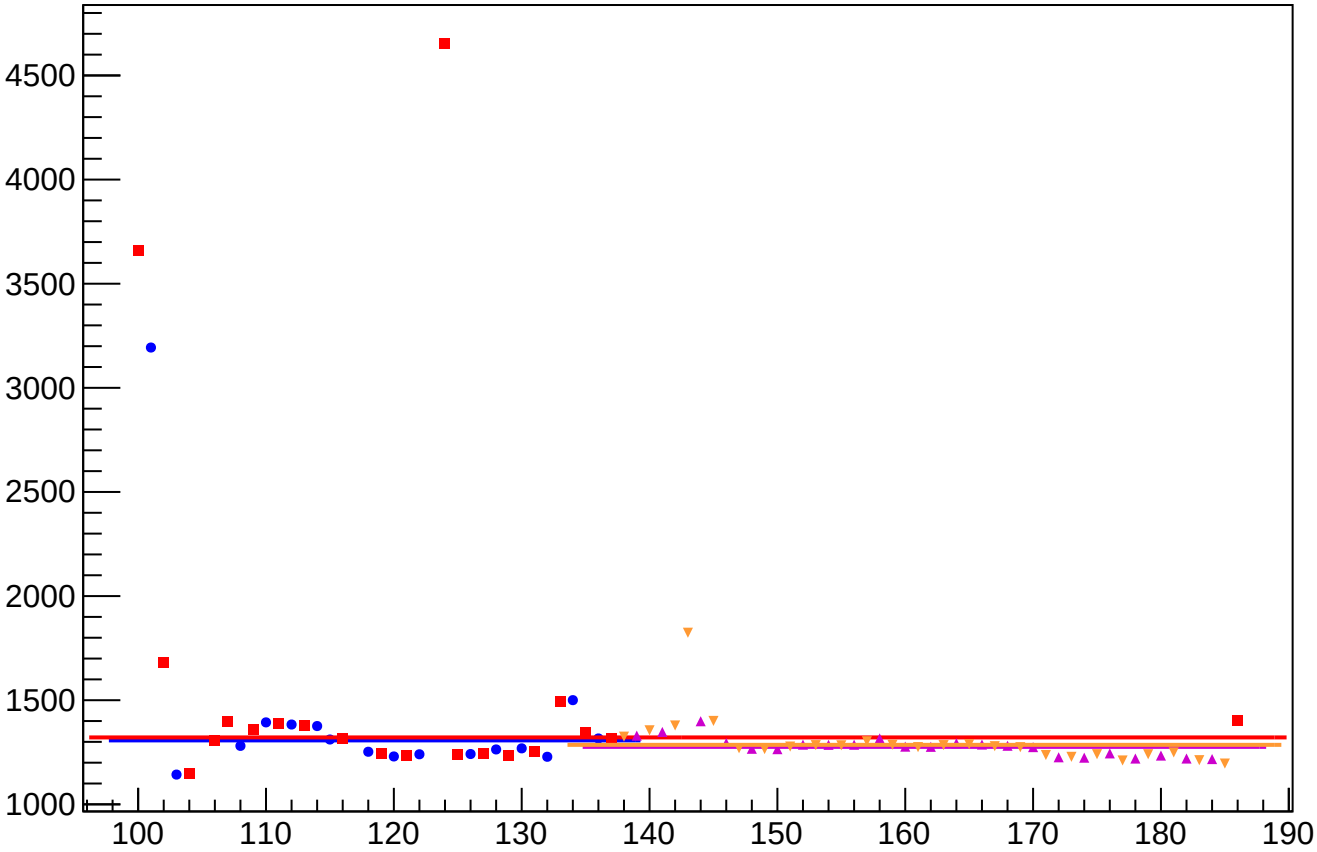
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1689.707+/-252.045 χ^2/NDF: 46.2/40

All: -312.687+/-178.769 χ^2/NDF: 216.5/83

- sign -2339.792+/-253.596 χ^2/NDF: 43.3/42

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

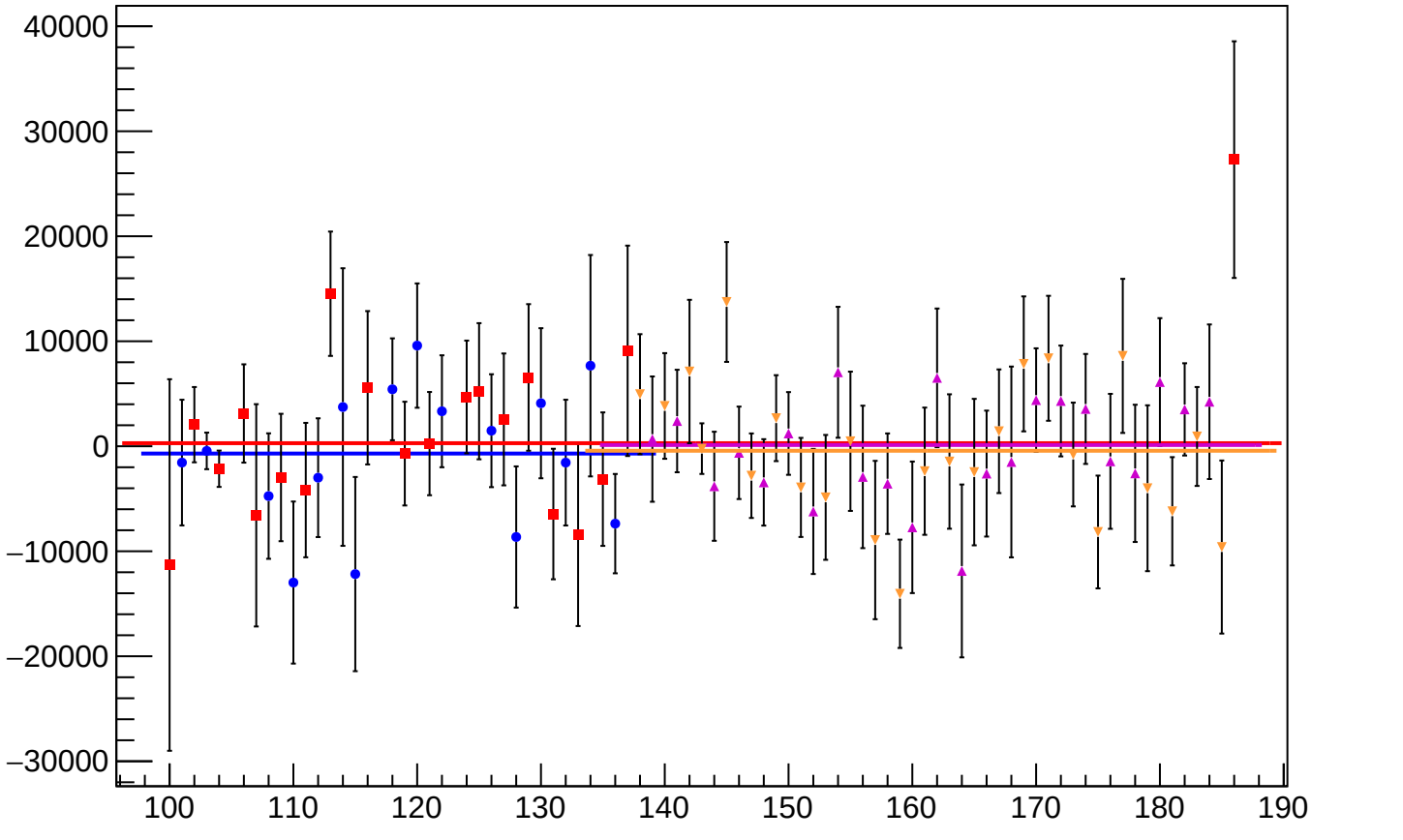
Right Out: 1321.340+/-0.341 χ^2/NDF: 328914.0/19

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.194+/-0.178 χ^2/NDF: 710049.0/40

All: 1289.863+/-0.126 χ^2/NDF: 1093324.2/83

- sign 1288.516+/-0.179 χ^2/NDF: 383163.0/42



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

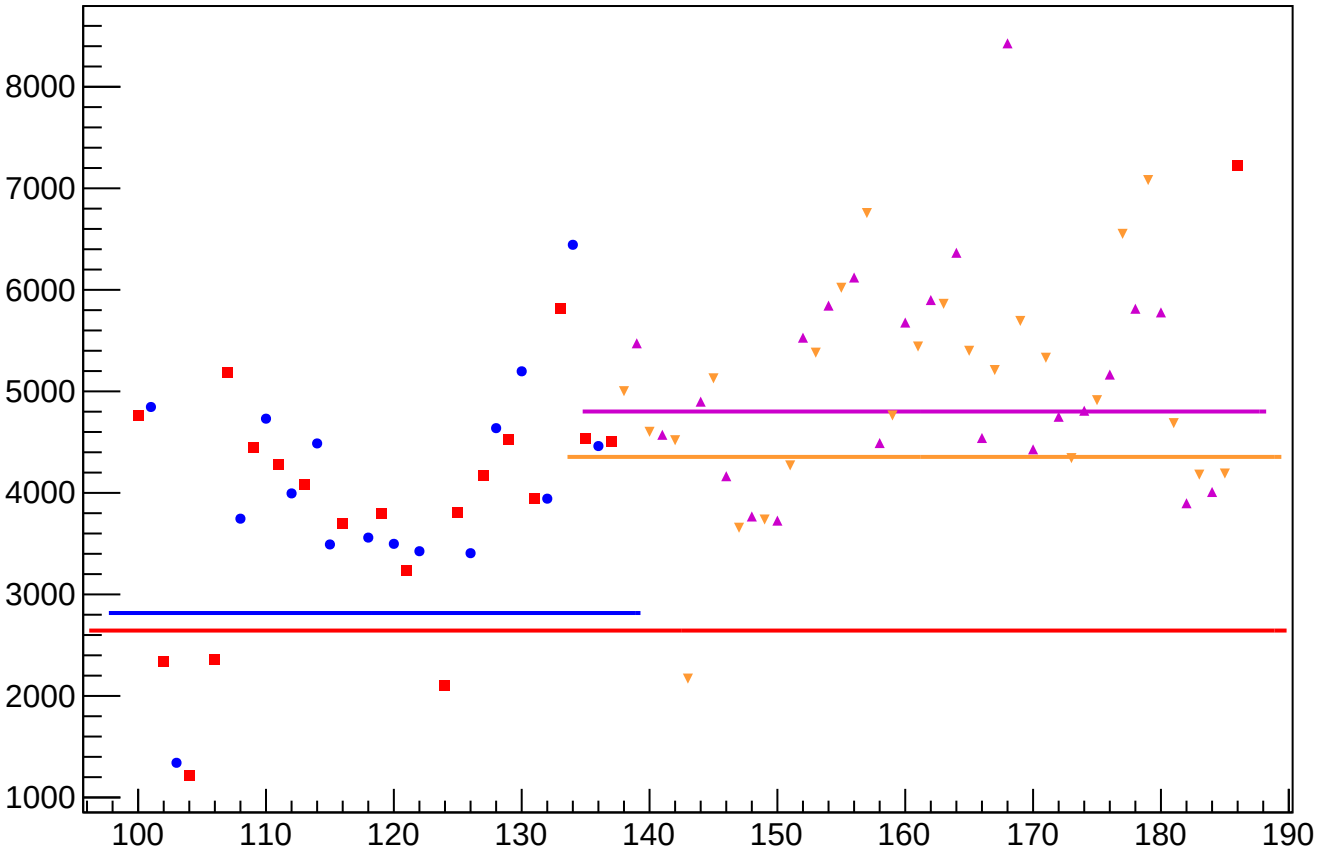
Right Out: 292.587+/-1093.029 χ^2/NDF: 21.7/19

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

\+ sign -544.615+/-780.087 χ^2/NDF: 44.5/40

All: -172.348+/-555.257 χ^2/NDF: 80.4/83

\- sign 209.946+/-790.522 χ^2/NDF: 35.4/42



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2643.999+/-0.773 χ^2/NDF: 3413925.2/19

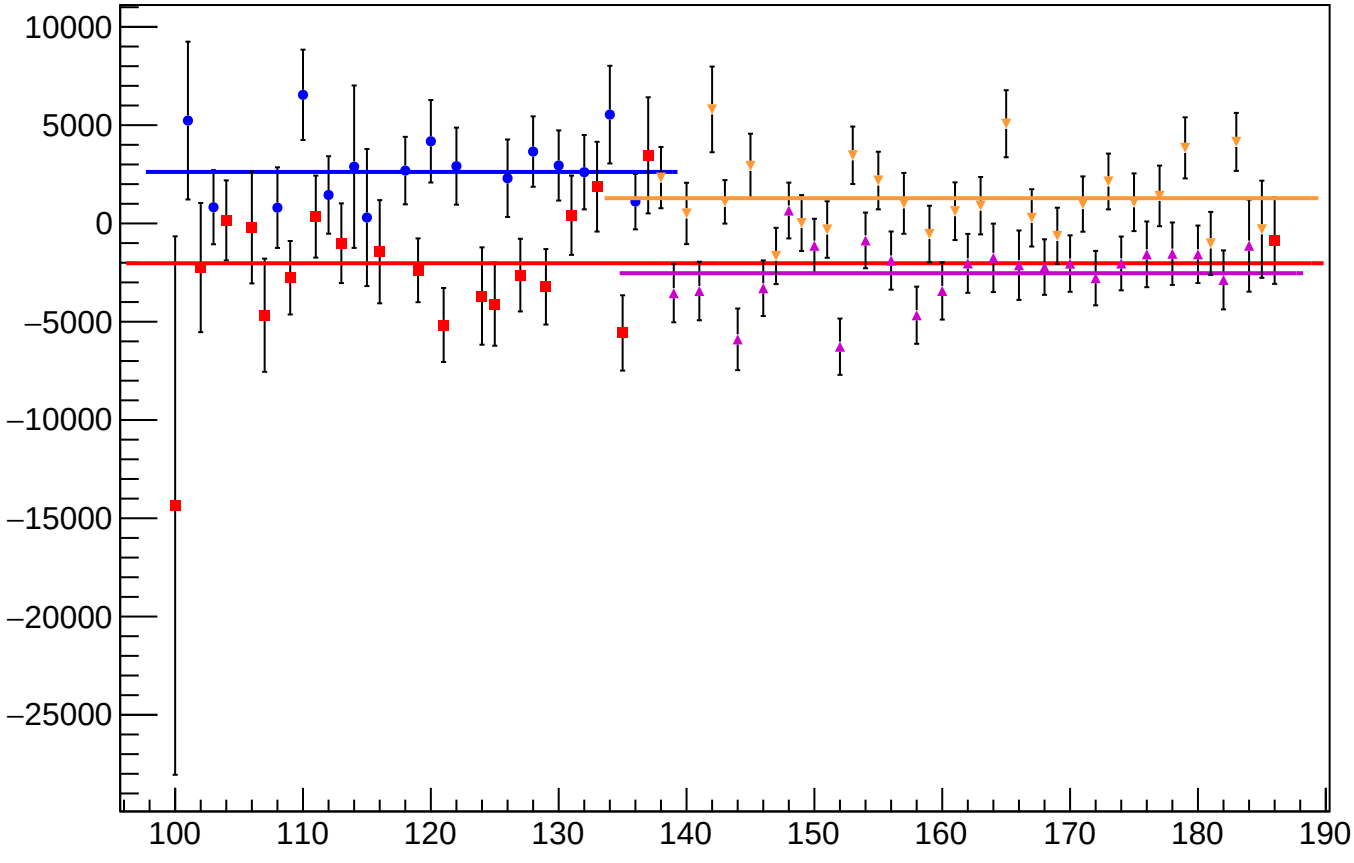
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3685.225+/-0.552 χ^2/NDF: 7989376.9/40

All: 3679.191+/-0.393 χ^2/NDF: 16352039.9/8

- sign 3672.996+/-0.559 χ^2/NDF: 8362420.5/42

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -2025.038+/-492.093 χ^2/NDF: 21.2/19

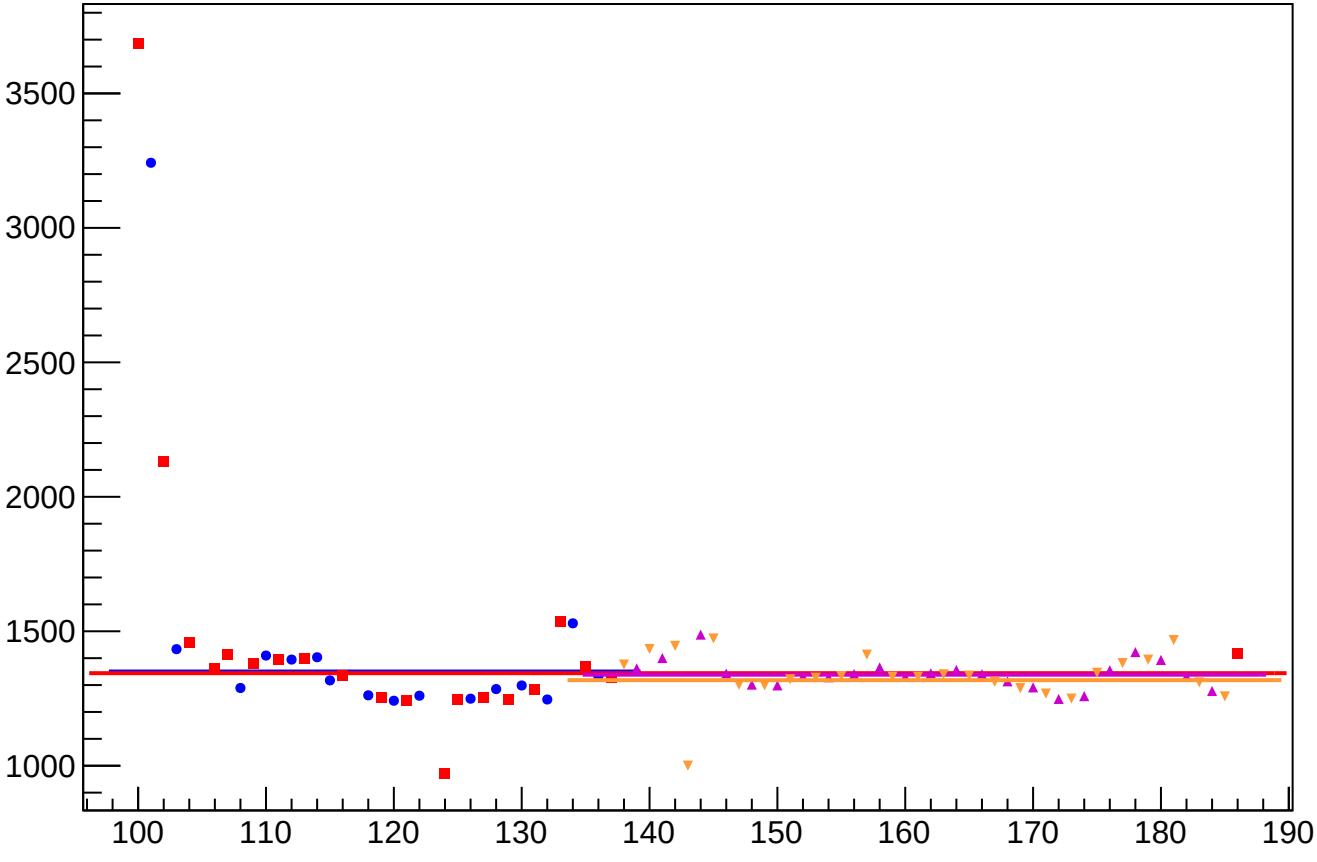
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1627.287+/-259.116 χ^2/NDF: 47.8/40

All: -341.582+/-184.937 χ^2/NDF: 212.5/83

- sign -2385.902+/-264.034 χ^2/NDF: 47.0/42

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

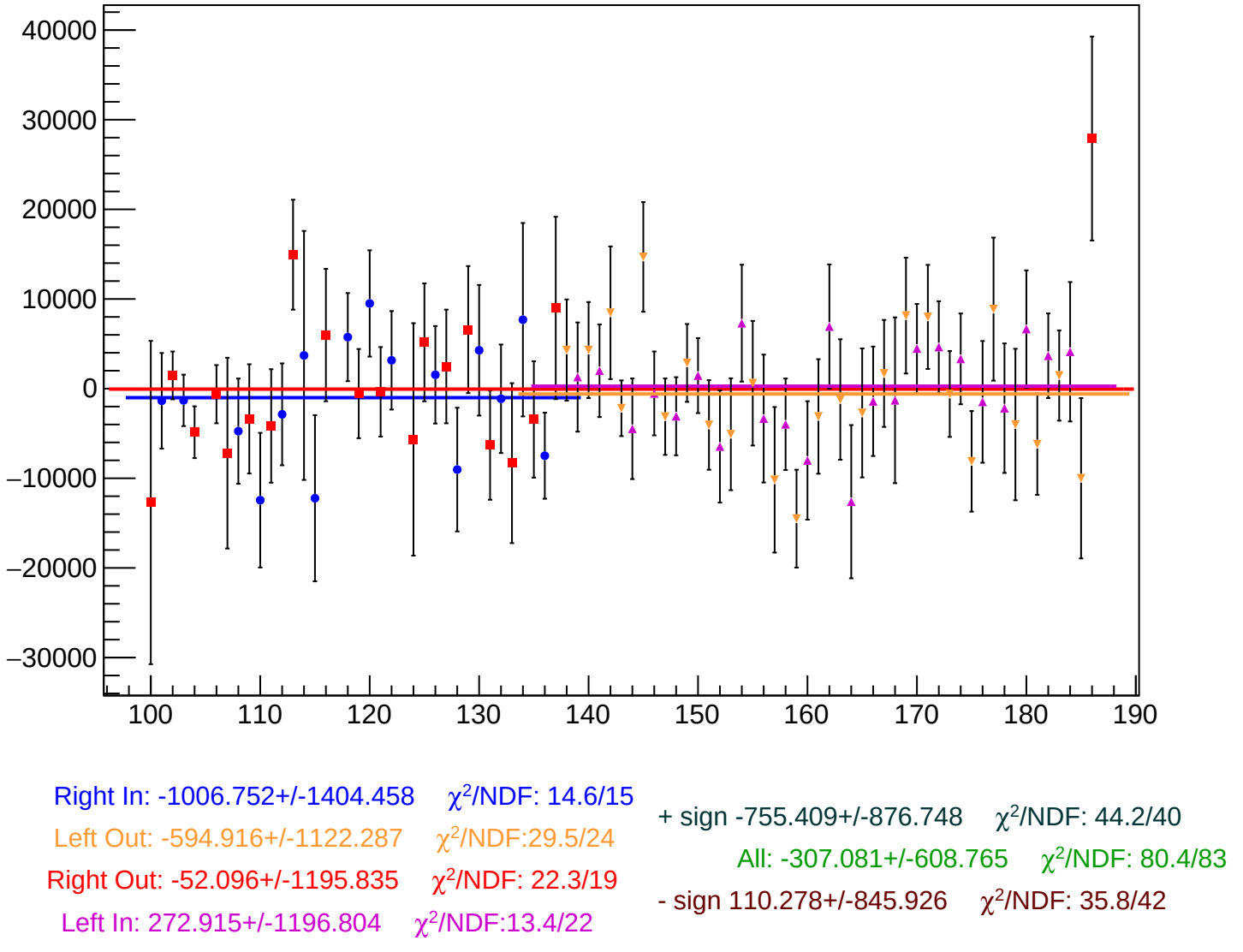
Right Out: 1344.196+/-0.348 χ^2/NDF: 274416.5/19

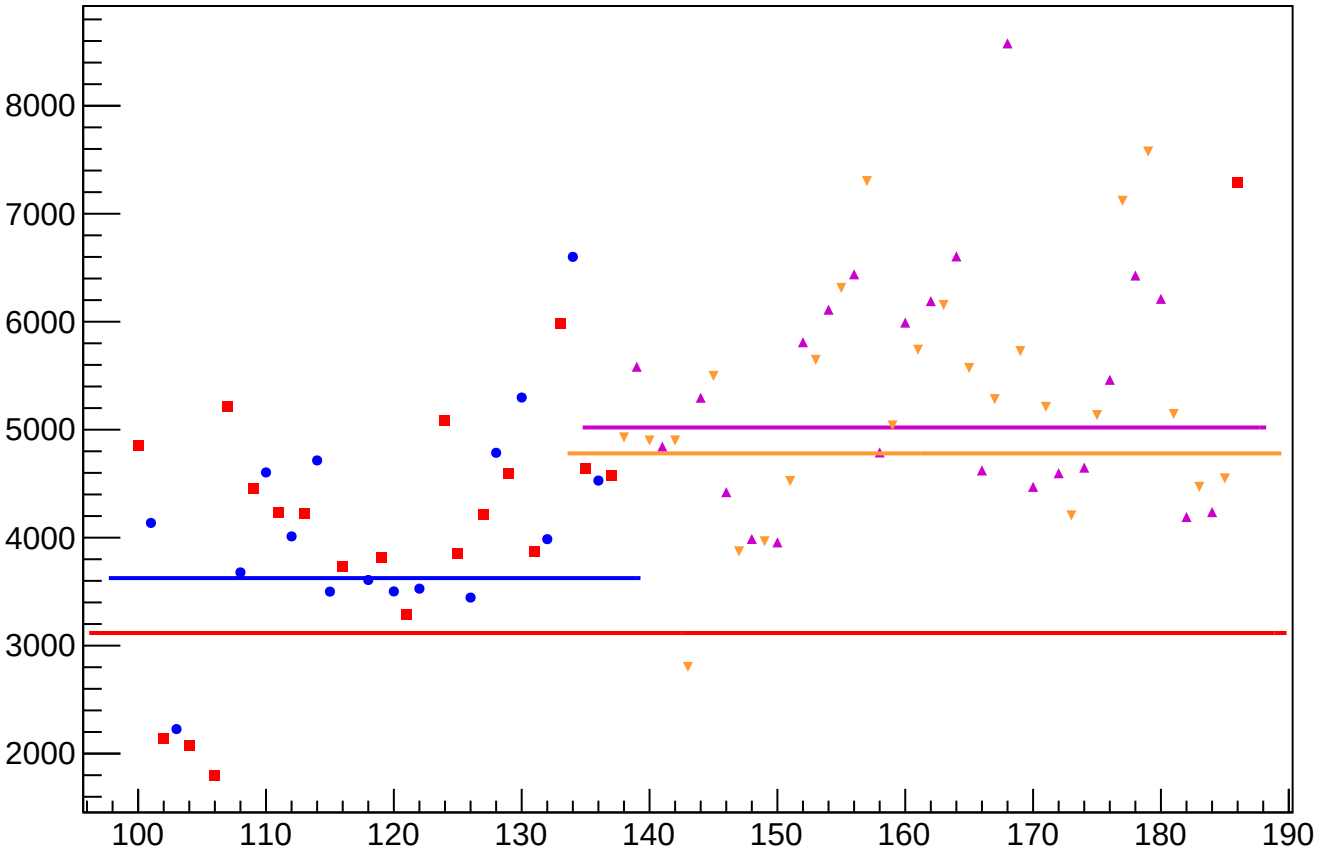
Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1326.436+/-0.183 χ^2/NDF: 748488.6/40

All: 1333.197+/-0.131 χ^2/NDF: 1080112.5/83

- sign 1340.214+/-0.187 χ^2/NDF: 328849.1/42


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: -594.916+/-1122.287 χ²/NDF:29.5/24
Right Out: -52.096+/-1195.835 χ²/NDF: 22.3/19
Left In: 272.915+/-1196.804 χ²/NDF:13.4/22
+ sign -755.409+/-876.748 χ²/NDF: 44.2/40
All: -307.081+/-608.765 χ²/NDF: 80.4/83
- sign 110.278+/-845.926 χ²/NDF: 35.8/42



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3117.024+/-0.846 χ^2/NDF: 2110227.1/19

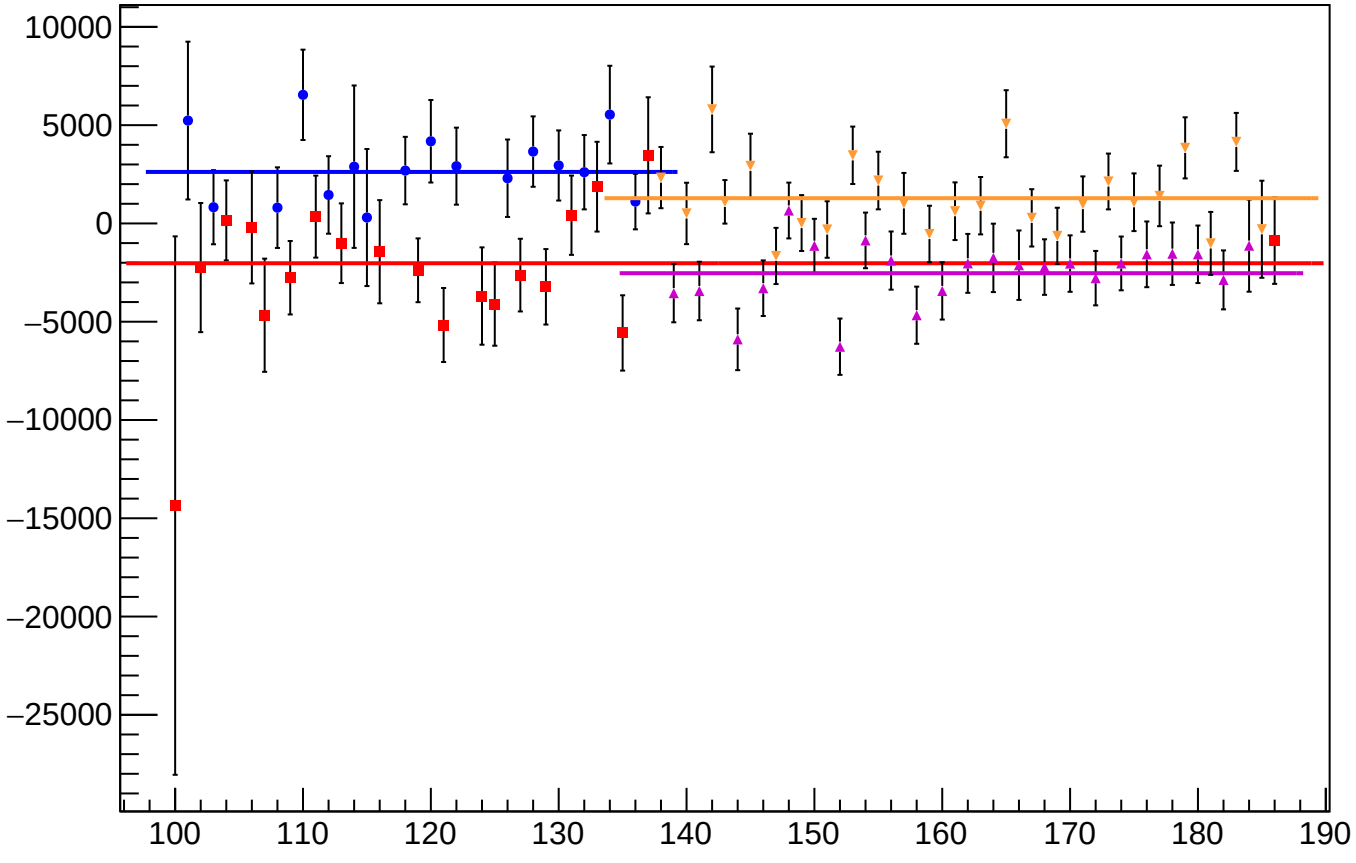
Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4330.336+/-0.620 χ^2/NDF: 3776487.6/40

All: 4194.486+/-0.430 χ^2/NDF: 9736312.7/83

- sign 4068.021+/-0.598 χ^2/NDF: 5867107.9/42

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -2025.043+/-492.093 χ^2/NDF: 21.2/19

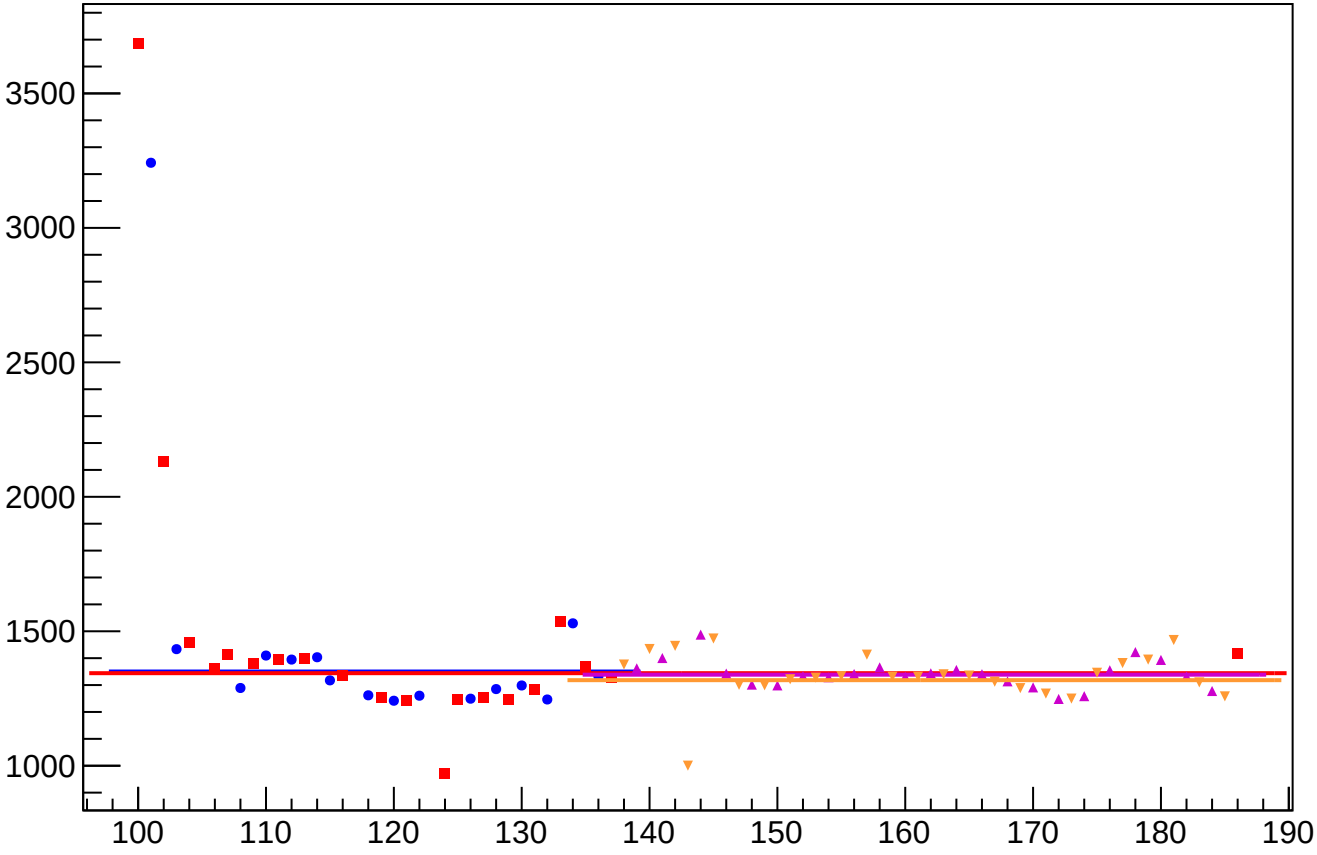
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1627.284+/-259.116 χ^2/NDF: 47.8/40

All: -341.584+/-184.937 χ^2/NDF: 212.5/83

- sign -2385.903+/-264.035 χ^2/NDF: 47.0/42

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

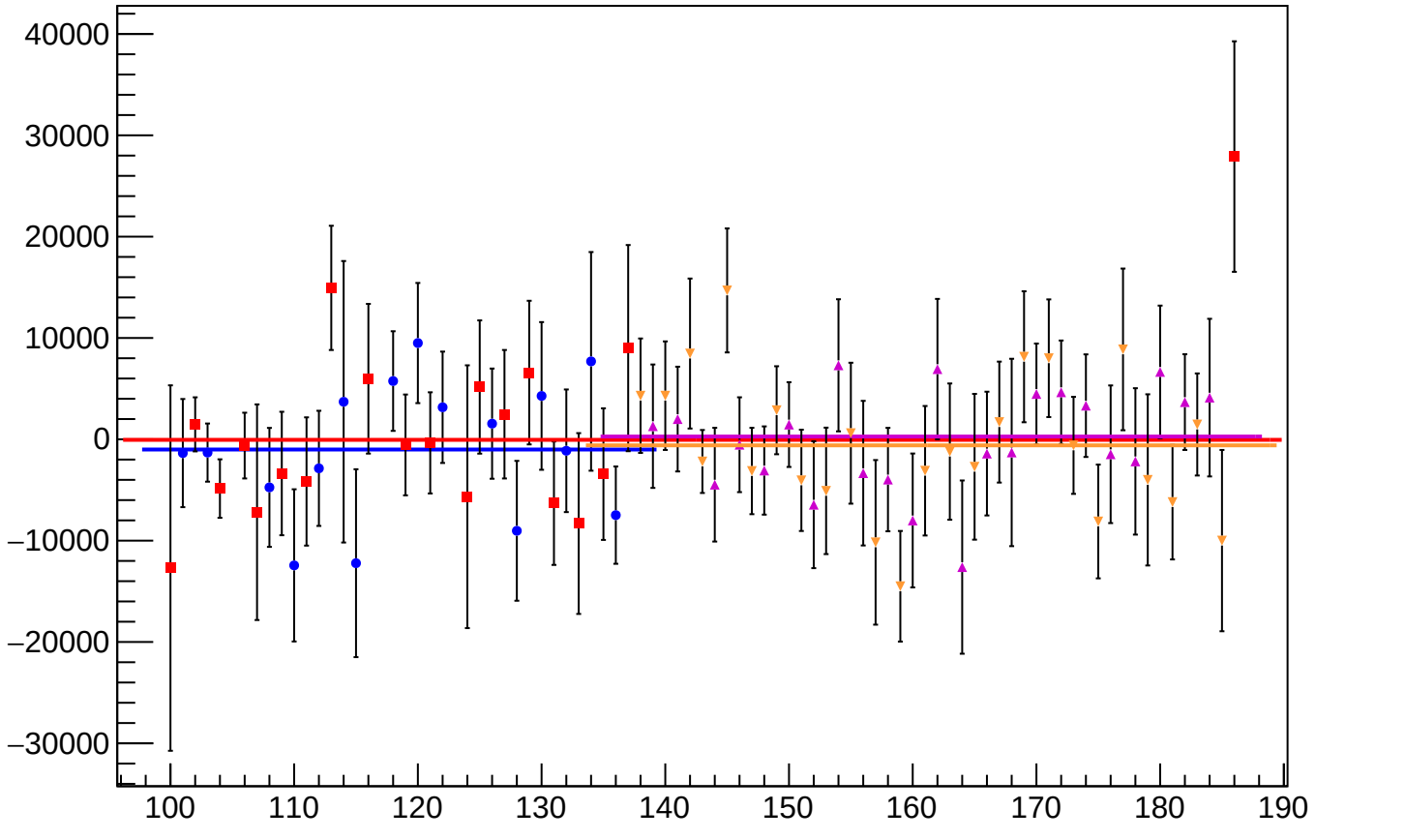
Right Out: 1344.195+/-0.348 χ^2/NDF: 274415.5/19

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1326.437+/-0.183 χ^2/NDF: 748490.7/40

All: 1333.198+/-0.131 χ^2/NDF: 1080115.9/83

- sign 1340.215+/-0.187 χ^2/NDF: 328850.5/42



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

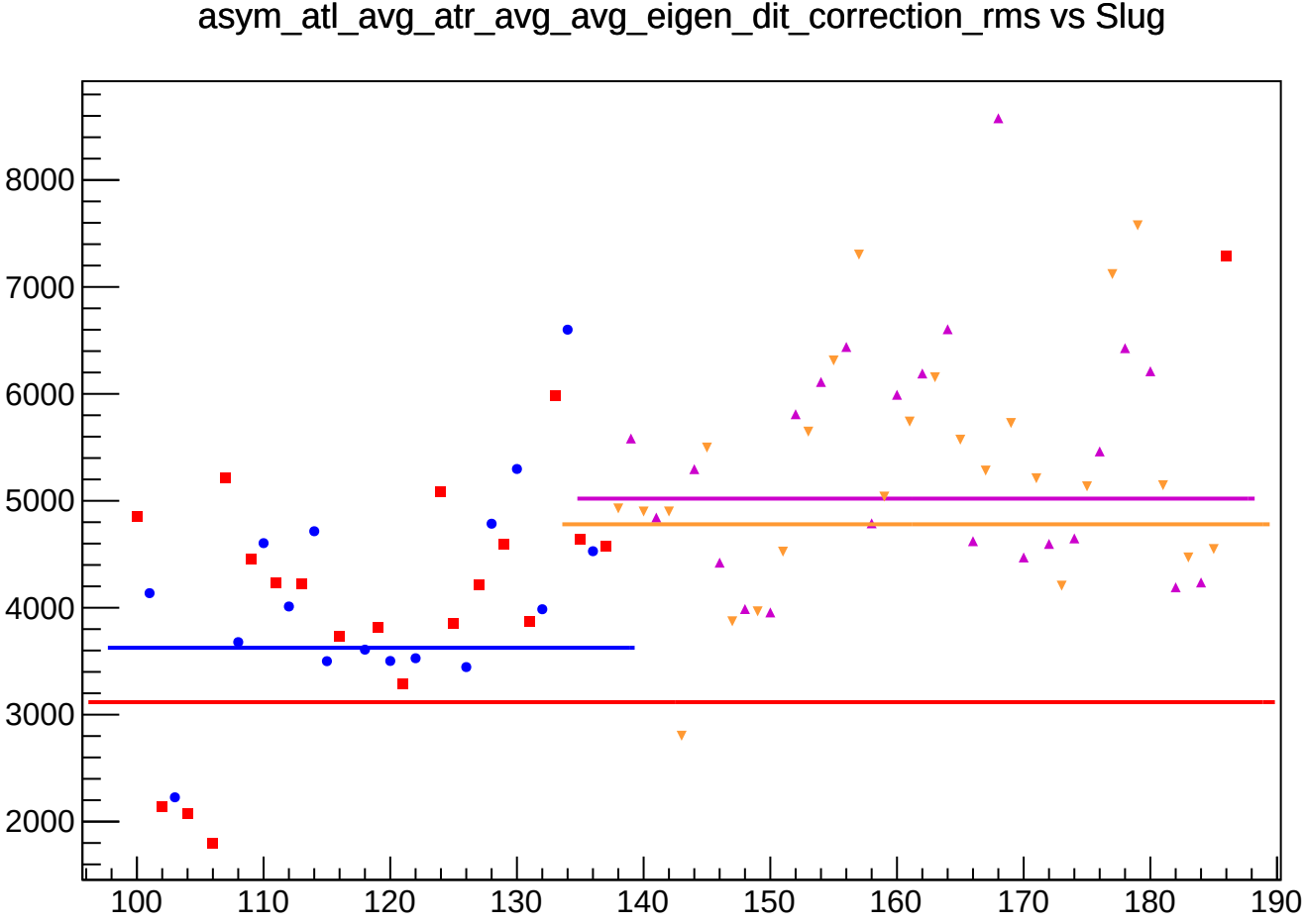
Right Out: -52.098+/-1195.832 χ^2/NDF: 22.3/19

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -755.408+/-876.748 χ^2/NDF: 44.2/40

All: -307.081+/-608.765 χ^2/NDF: 80.4/83

- sign 110.277+/-845.925 χ^2/NDF: 35.8/42



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3117.015+/-0.846 χ^2/NDF: 2110230.8/19

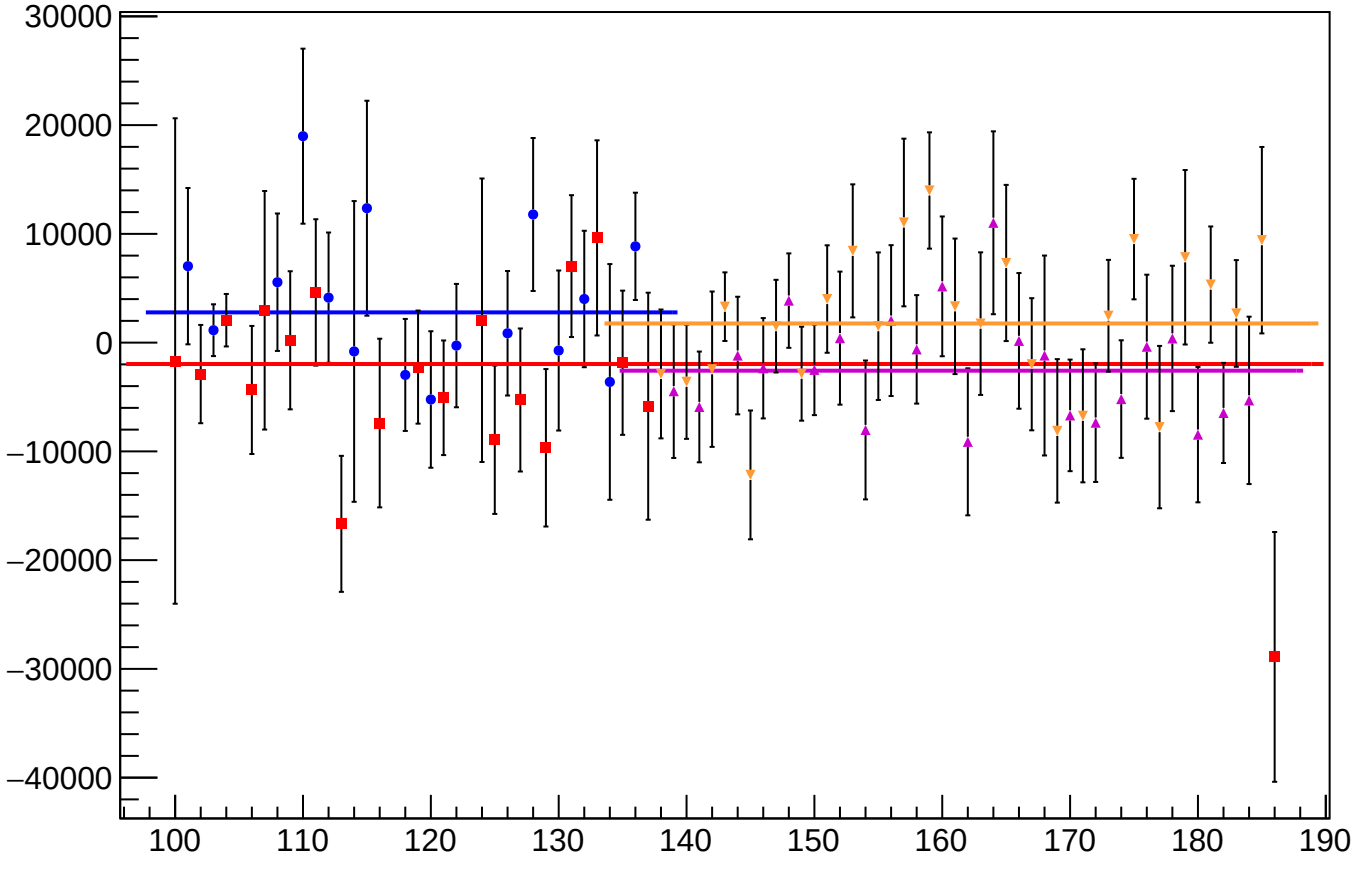
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4330.335+/-0.620 χ^2/NDF: 3776516.5/40

All: 4194.483+/-0.430 χ^2/NDF: 9736397.3/83

- sign 4068.016+/-0.598 χ^2/NDF: 5867161.0/42

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -1967.588+/-1328.049 χ^2/NDF: 22.4/19

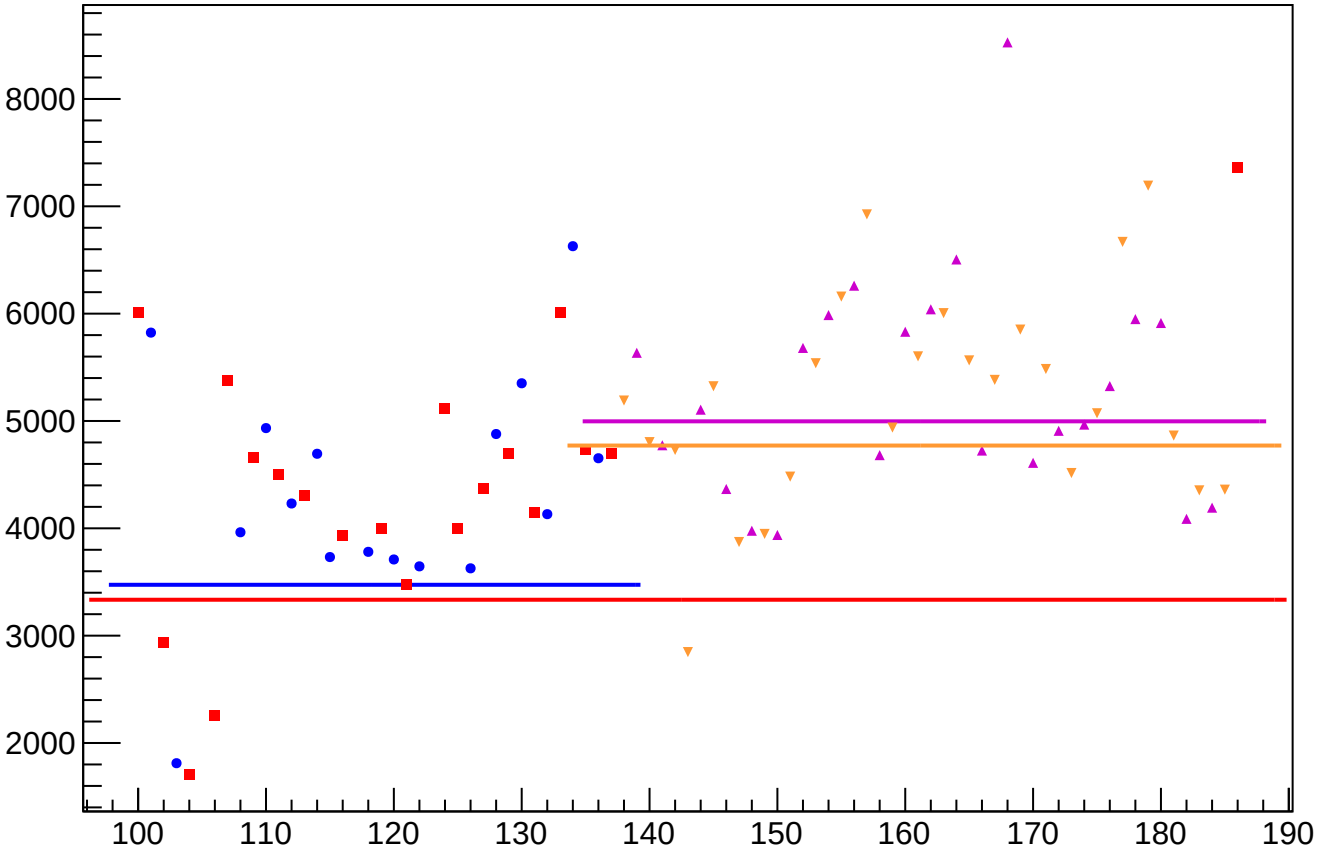
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 2161.458+/-870.199 χ^2/NDF: 41.2/40

All: -33.852+/-620.703 χ^2/NDF: 89.9/83

- sign -2307.641+/-885.616 χ^2/NDF: 35.8/42

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

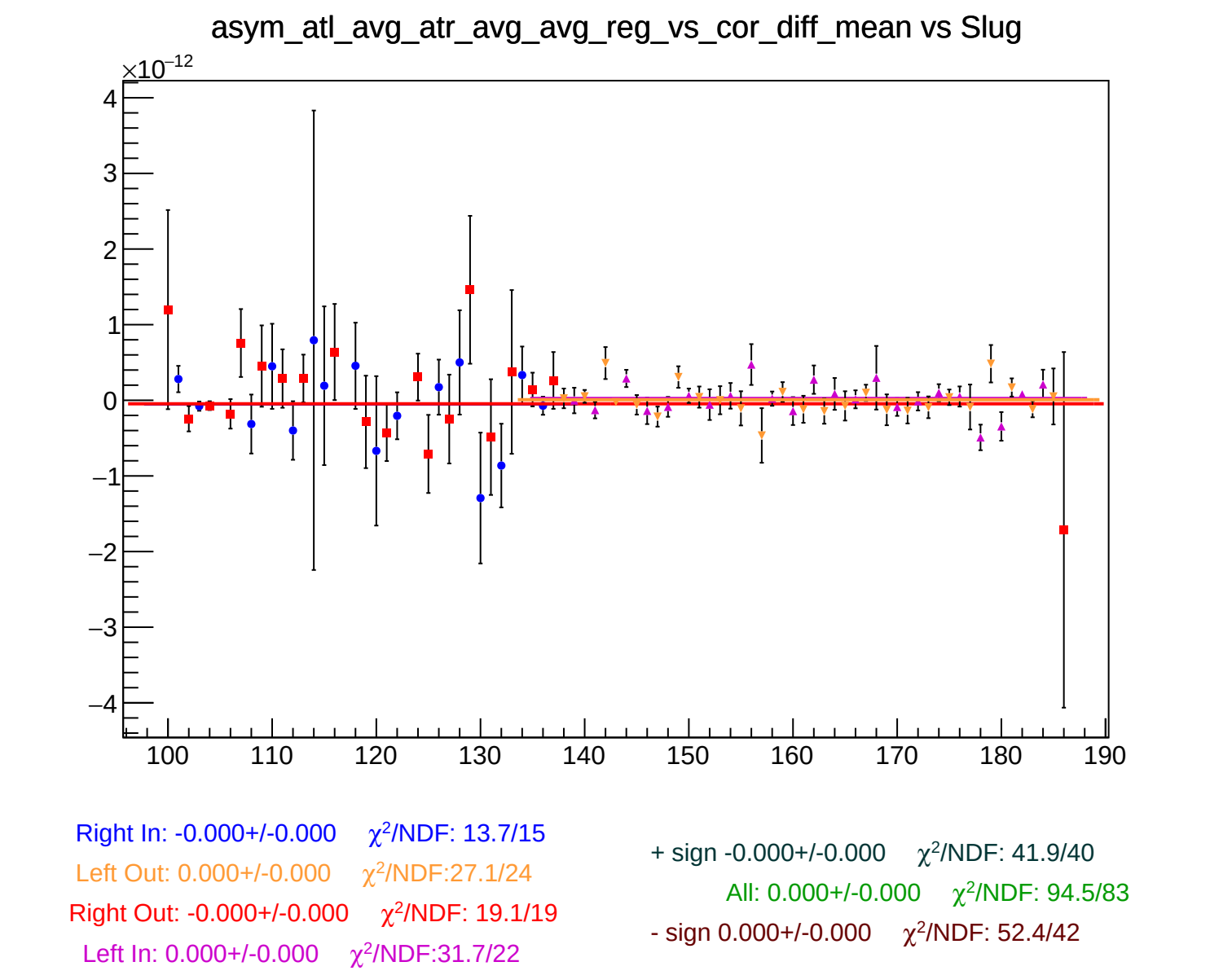
Right Out: 3334.579+/-0.926 χ^2/NDF: 2124689.4/19

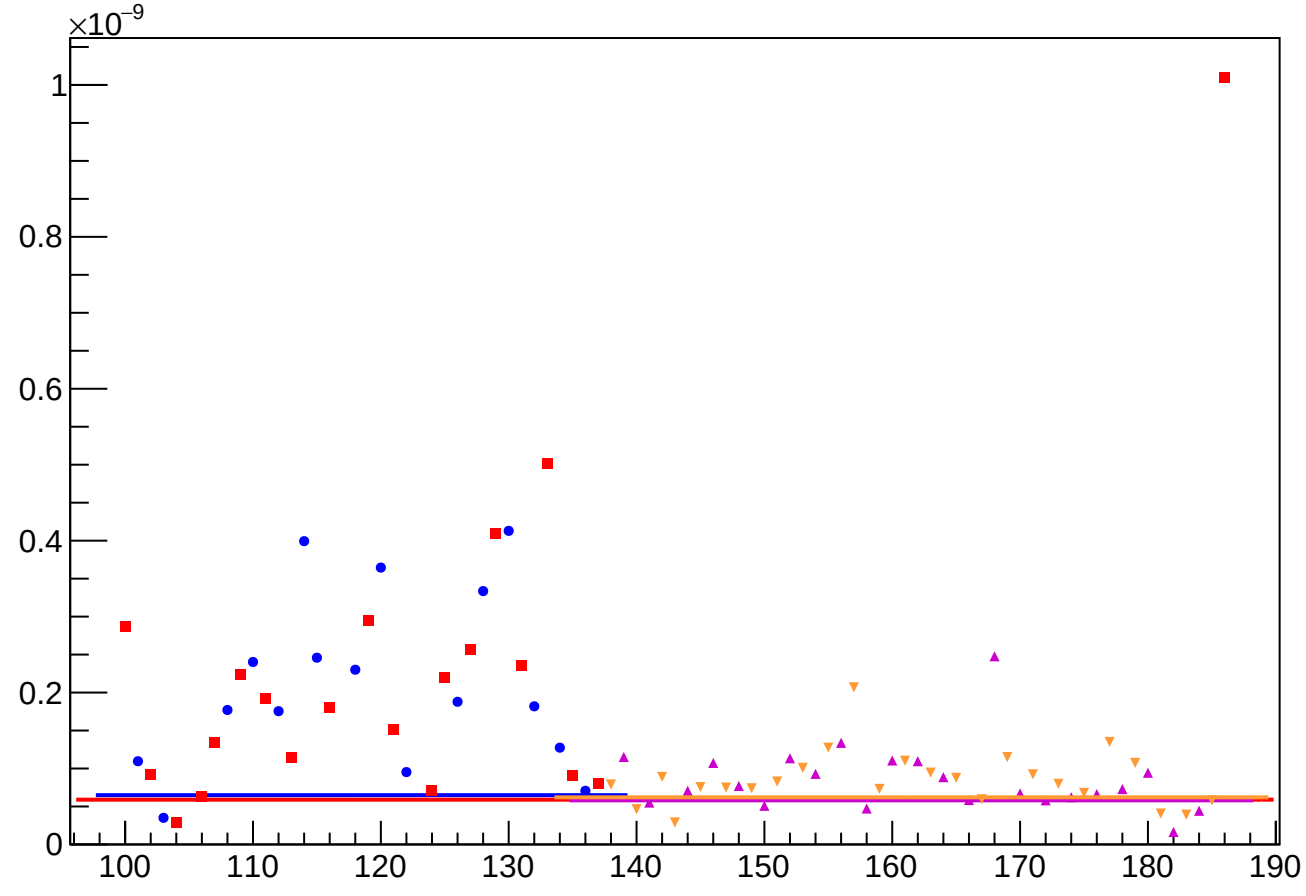
Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4262.322+/-0.615 χ^2/NDF: 4690672.4/40

All: 4254.457+/-0.438 χ^2/NDF: 9677519.5/83

- 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: 13.7/15
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: 41.9/40
All: 0.000+/-0.000 χ²/NDF: 94.5/83
- sign 0.000+/-0.000 χ²/NDF: 52.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

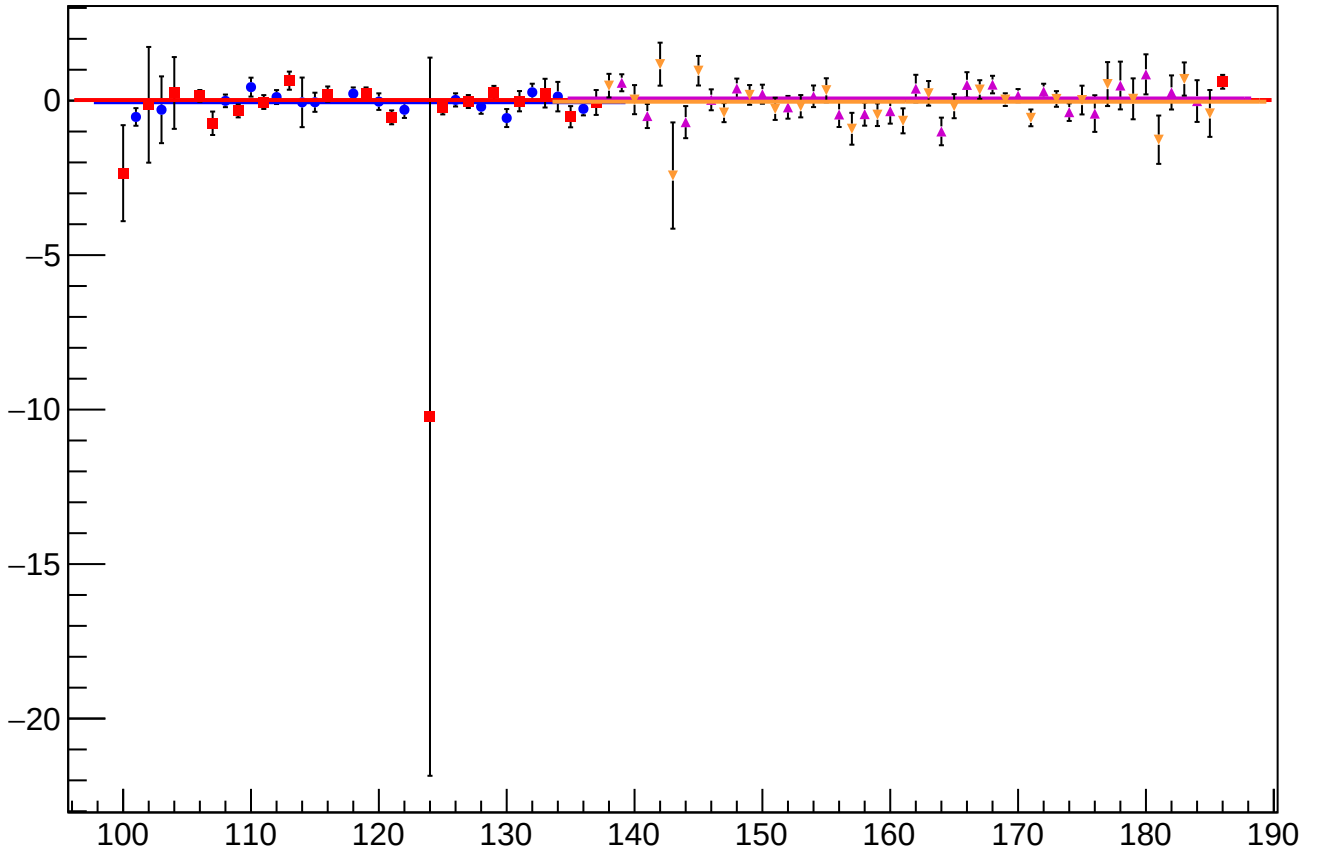
Right Out: 0.000+/-0.000 χ^2/NDF: 3182790.1/19

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5041694.1/40

All: 0.000+/-0.000 χ^2/NDF: 11227702.9/83

- sign 0.000+/-0.000 χ^2/NDF: 6149849.0/42



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

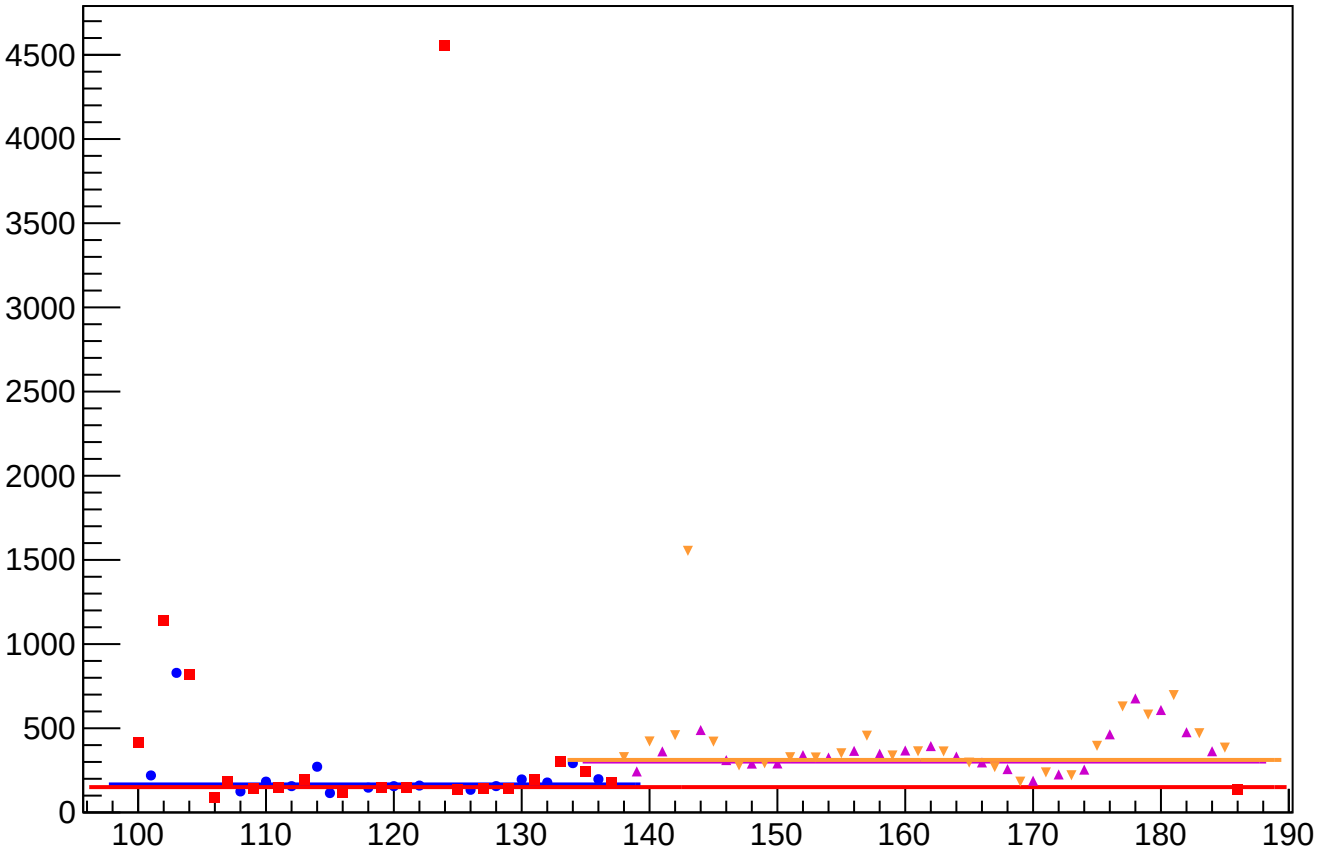
Right Out: 0.019+/-0.062 χ^2/NDF: 35.1/19

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.044+/-0.050 χ^2/NDF: 47.4/40

All: 0.000+/-0.035 χ^2/NDF: 114.1/83

- sign 0.039+/-0.048 χ^2/NDF: 65.3/42



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

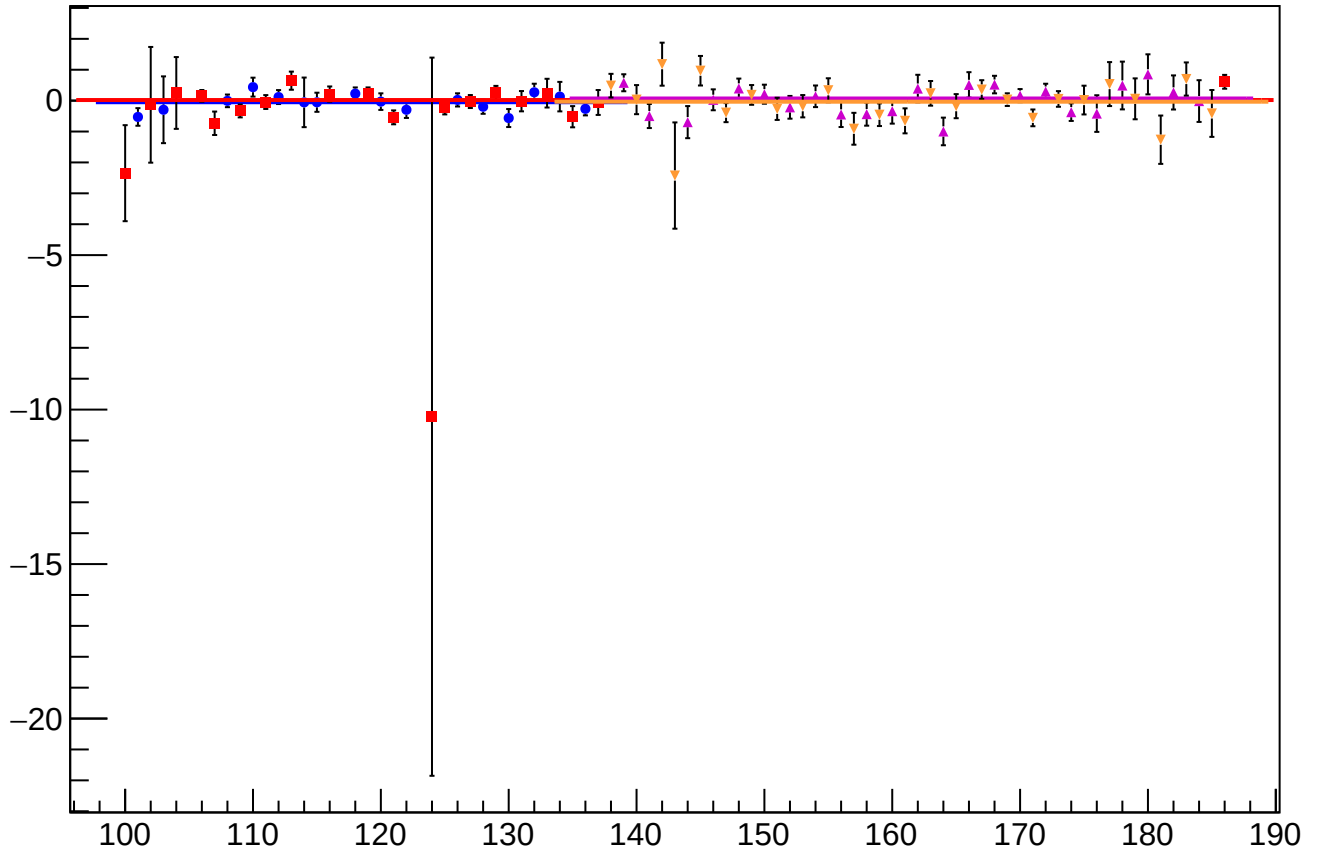
Right Out: 150.539+/-0.044 χ^2/NDF: 2325737.1/19

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 229.110+/-0.036 χ^2/NDF: 9736765.0/40

All: 219.936+/-0.024 χ^2/NDF: 19903302.3/83

- sign 211.747+/-0.034 χ^2/NDF: 10040788.8/42



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

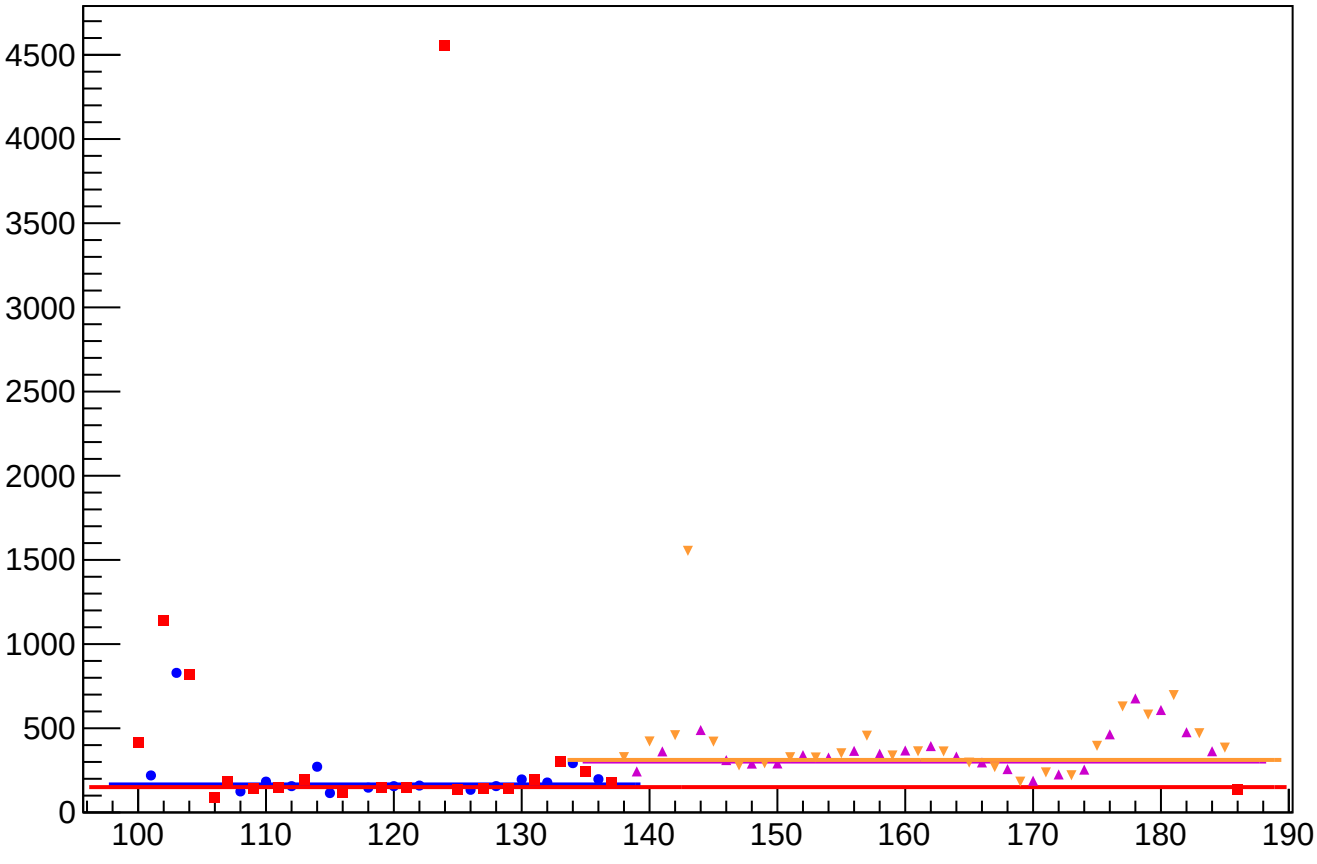
Right Out: 0.019+/-0.062 χ^2/NDF: 35.1/19

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.044+/-0.050 χ^2/NDF: 47.4/40

All: 0.000+/-0.035 χ^2/NDF: 114.1/83

- sign 0.039+/-0.048 χ^2/NDF: 65.3/42



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

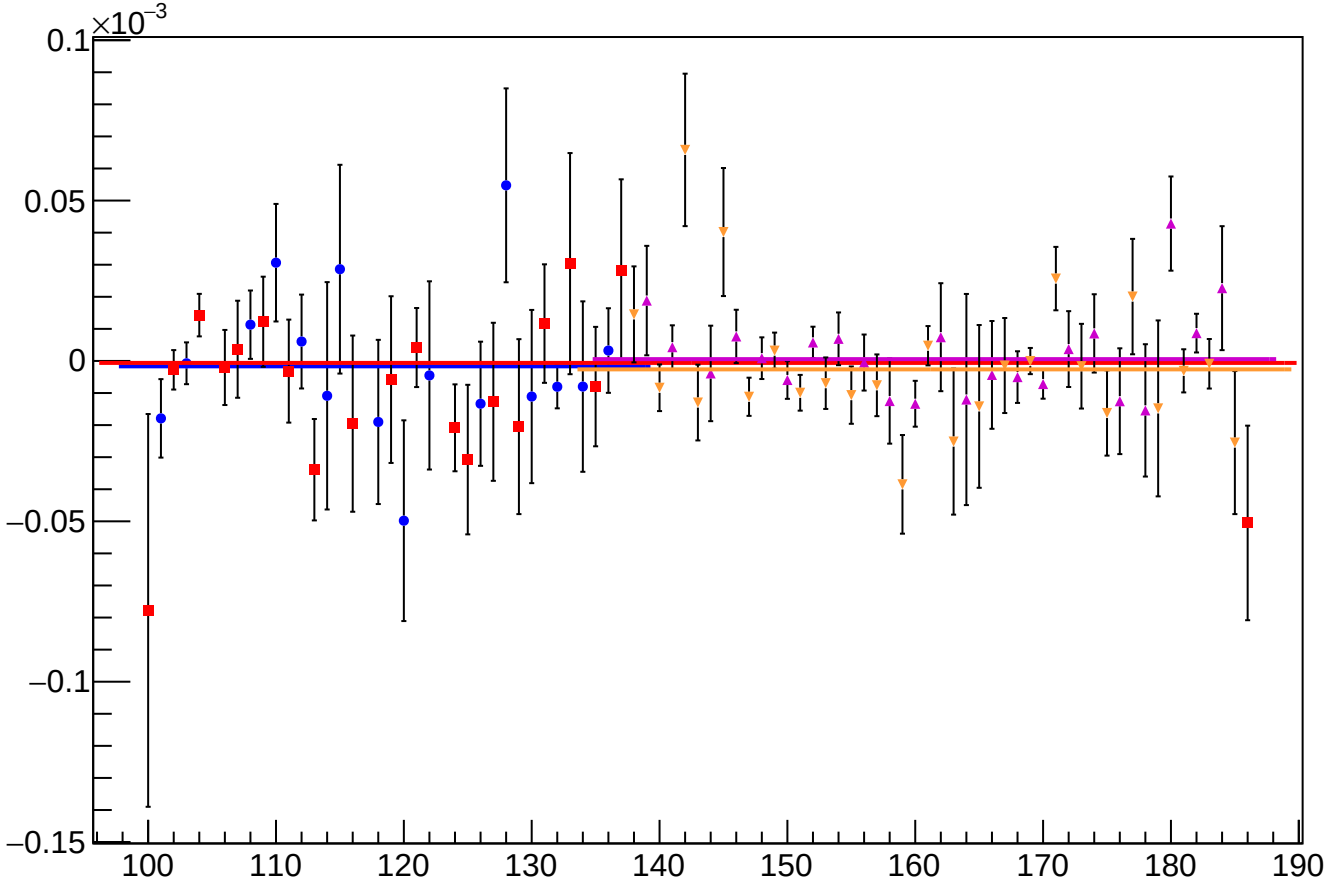
Right Out: 150.539+/-0.044 χ^2/NDF: 2325737.1/19

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 229.110+/-0.036 χ^2/NDF: 9736765.0/40

All: 219.936+/-0.024 χ^2/NDF: 19903302.3/83

- sign 211.747+/-0.034 χ^2/NDF: 10040788.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

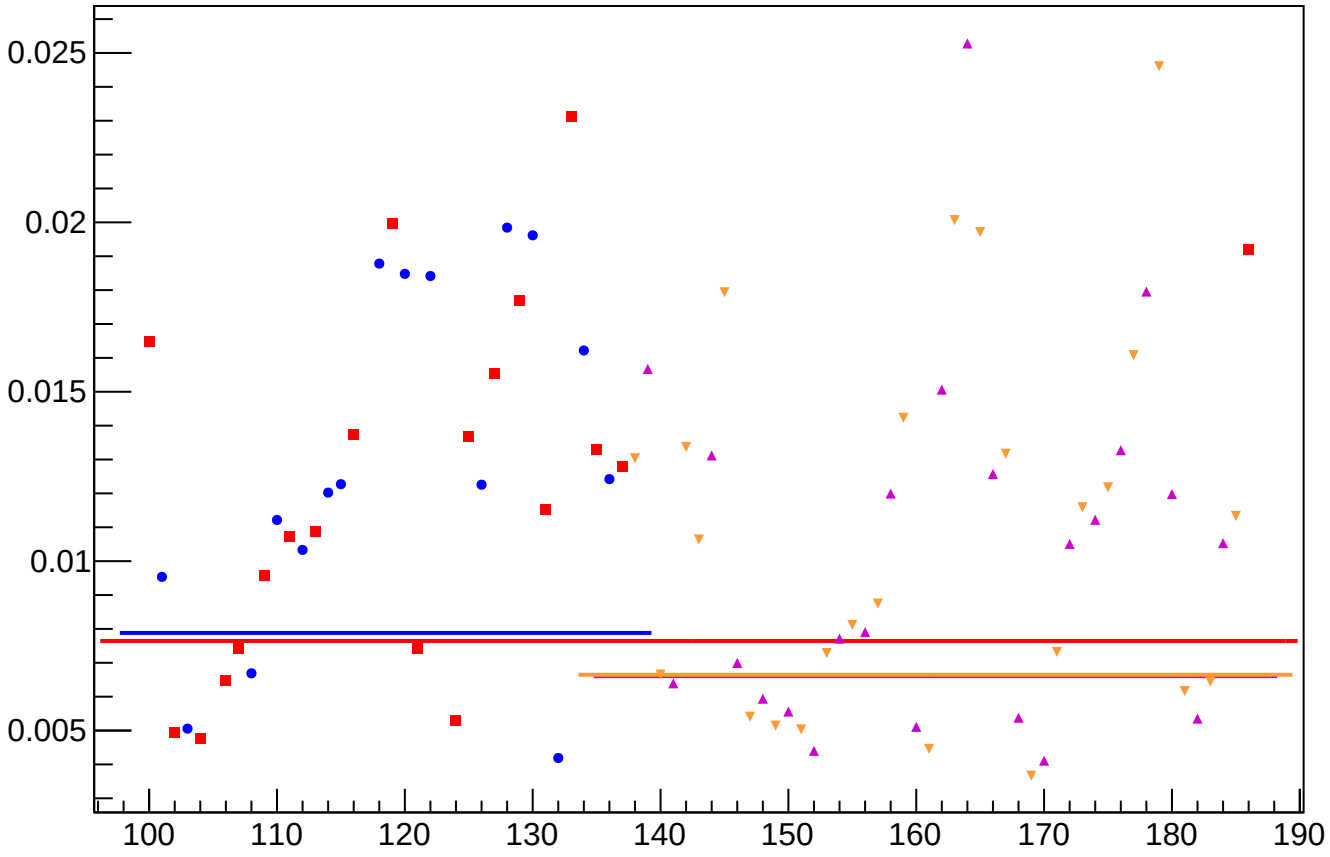
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/19

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.0/40

All: -0.000+/-0.000 χ^2/NDF: 109.1/83

- sign 0.000+/-0.000 χ^2/NDF: 49.6/42



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

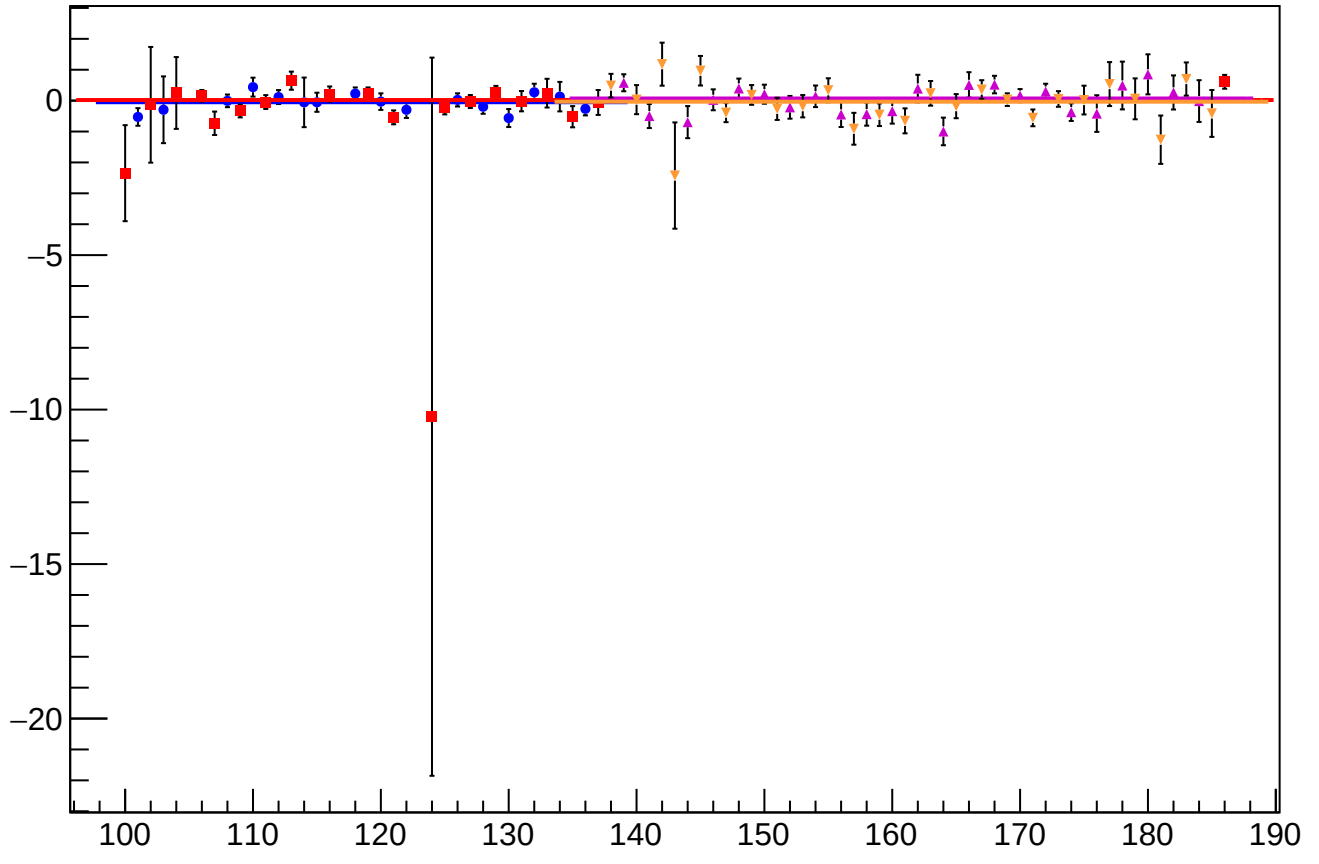
Right Out: 0.008+/-0.000 χ^2/NDF: 3269003.7/19

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 11024494.9/40

All: 0.007+/-0.000 χ^2/NDF: 20317606.0/83

- sign 0.007+/-0.000 χ^2/NDF: 9292347.0/42



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

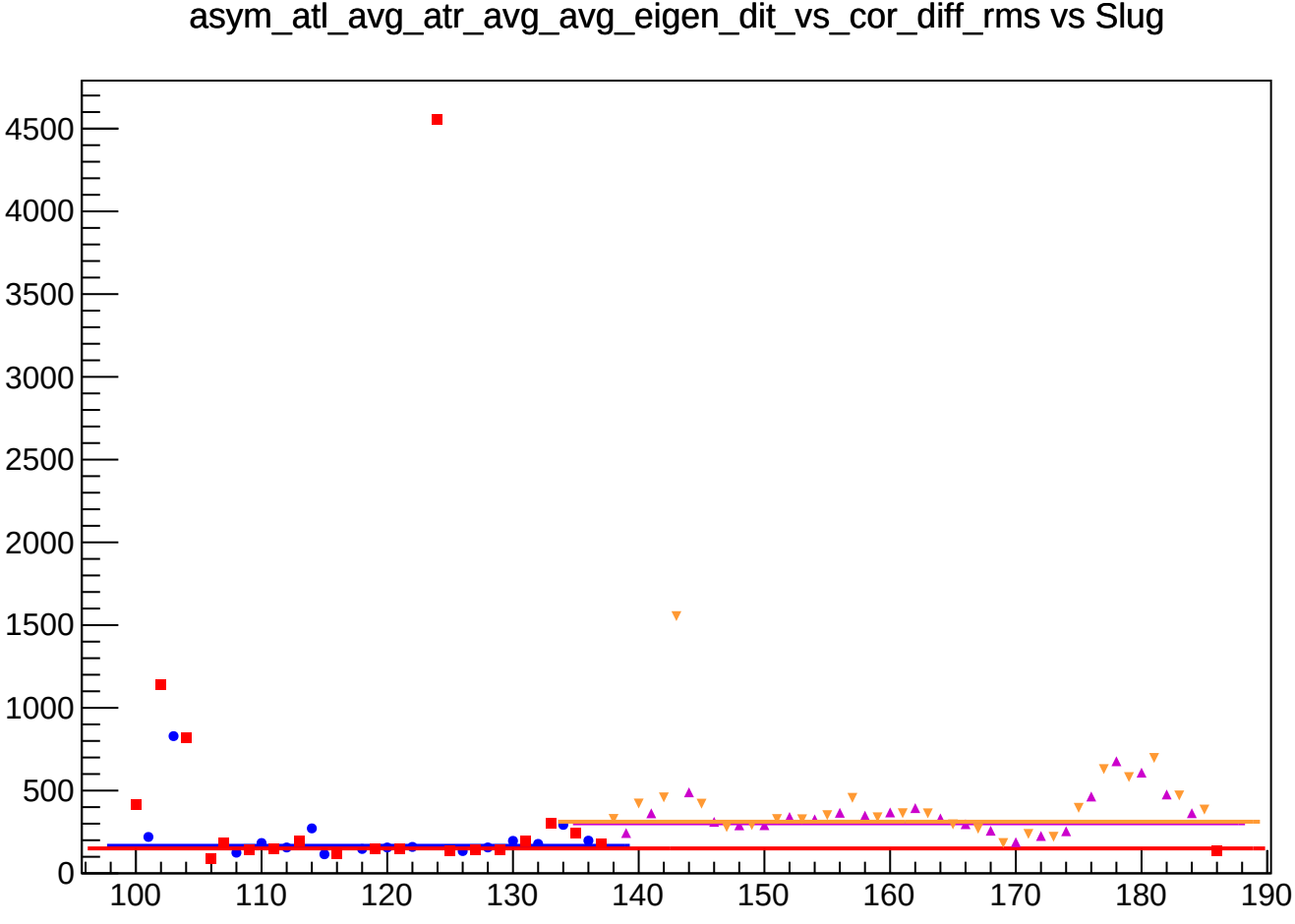
Right Out: 0.019+/-0.062 χ^2/NDF: 35.1/19

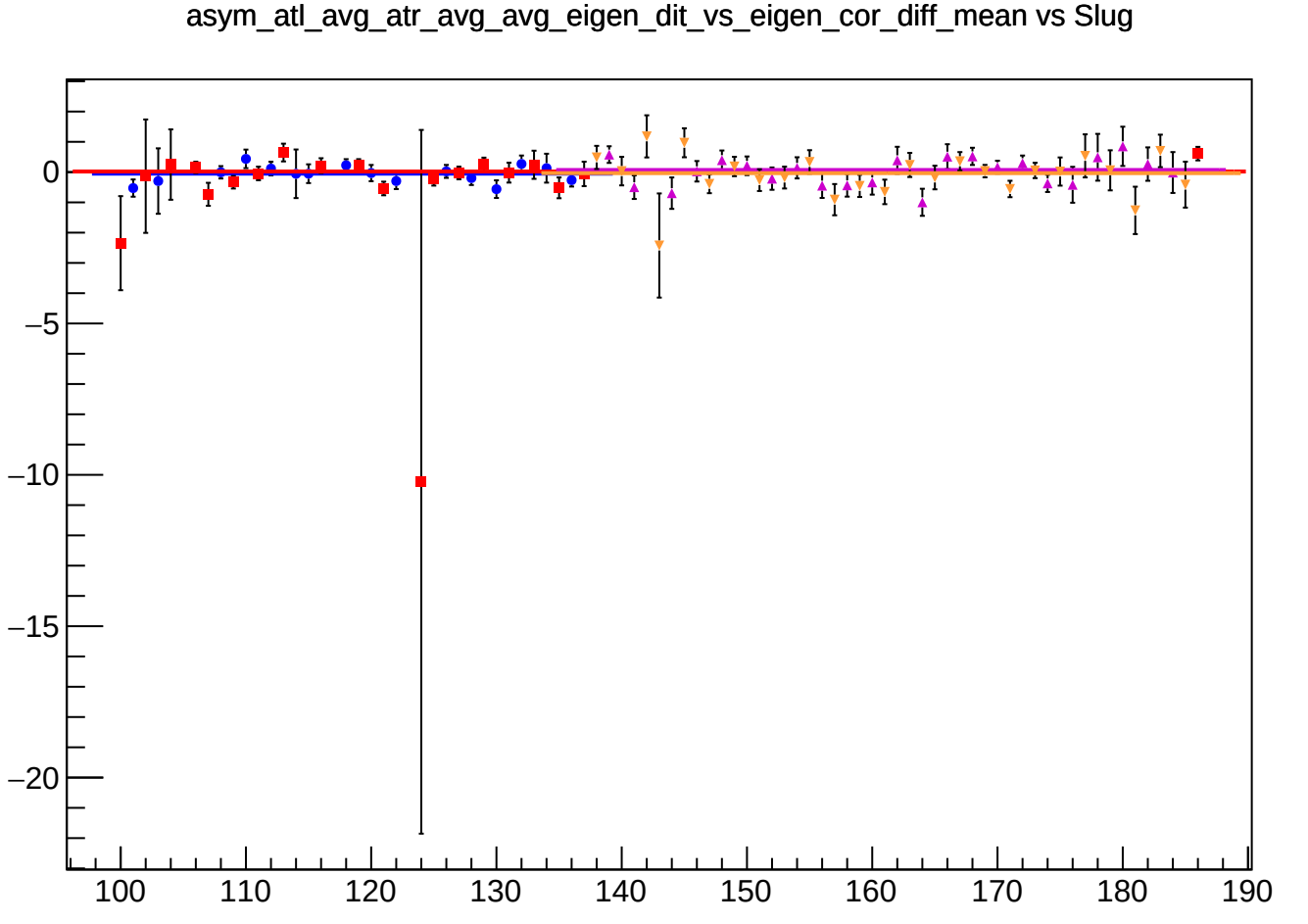
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

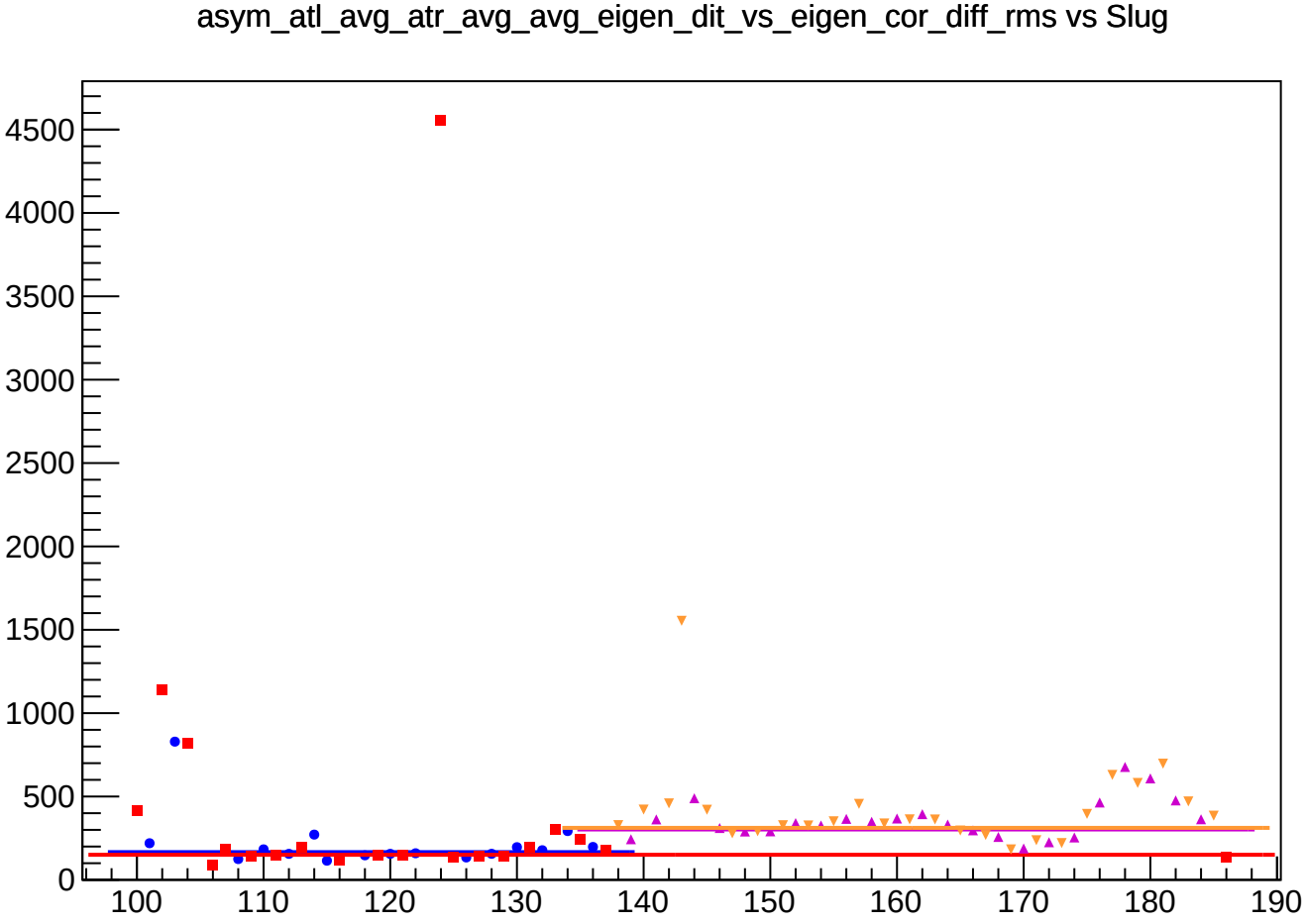
+ sign -0.044+/-0.050 χ^2/NDF: 47.4/40

All: 0.000+/-0.035 χ^2/NDF: 114.1/83

- sign 0.039+/-0.048 χ^2/NDF: 65.3/42


asym_atl_avg_atr_avg_avg_eigen_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: 166.359+/-0.047 χ²/NDF: 1282724.2/15
Left Out: 311.961+/-0.054 χ²/NDF:4350376.6/24
Right Out: 150.537+/-0.044 χ²/NDF: 2325752.5/19
Left In: 302.377+/-0.053 χ²/NDF:2808874.8/22
+ sign 229.109+/-0.036 χ²/NDF: 9737021.7/40
All: 219.934+/-0.024 χ²/NDF: 19903970.2/83
- sign 211.745+/-0.034 χ²/NDF: 10041181.0/42


asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0
−5
−10
−15
−20
100
110
120
130
140
150
160
170
180
190
Right In: -0.051+/-0.067 χ²/NDF: 14.9/15
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 -0.044+/-0.050 χ²/NDF: 47.4/40
All: 0.000+/-0.035 χ²/NDF: 114.1/83
- sign 0.039+/-0.048 χ²/NDF: 65.3/42



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

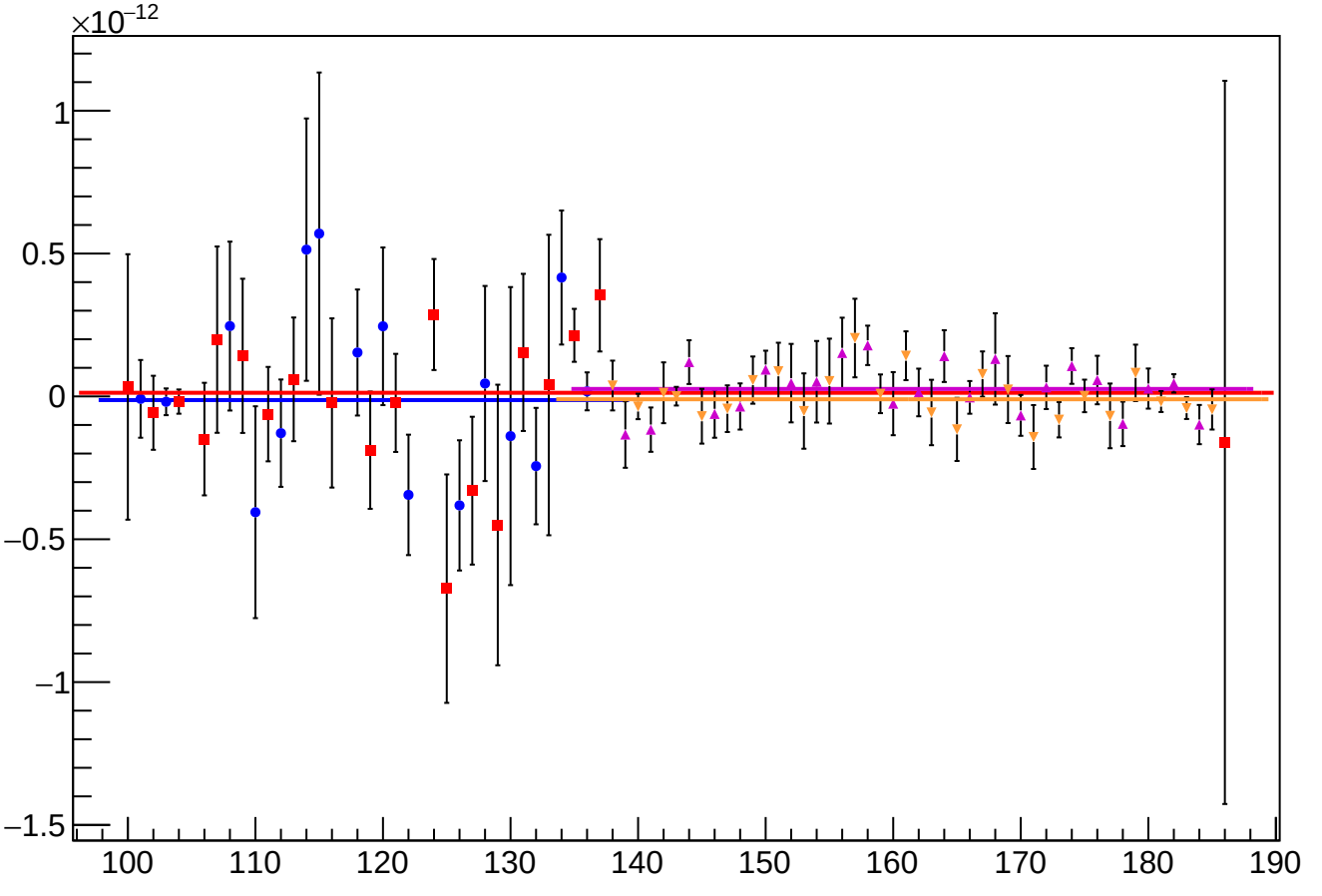
Right Out: 150.537+/-0.044 χ^2/NDF: 2325752.5/19

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 229.109+/-0.036 χ^2/NDF: 9737021.7/40

All: 219.934+/-0.024 χ^2/NDF: 19903970.2/83

- sign 211.745+/-0.034 χ^2/NDF: 10041181.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

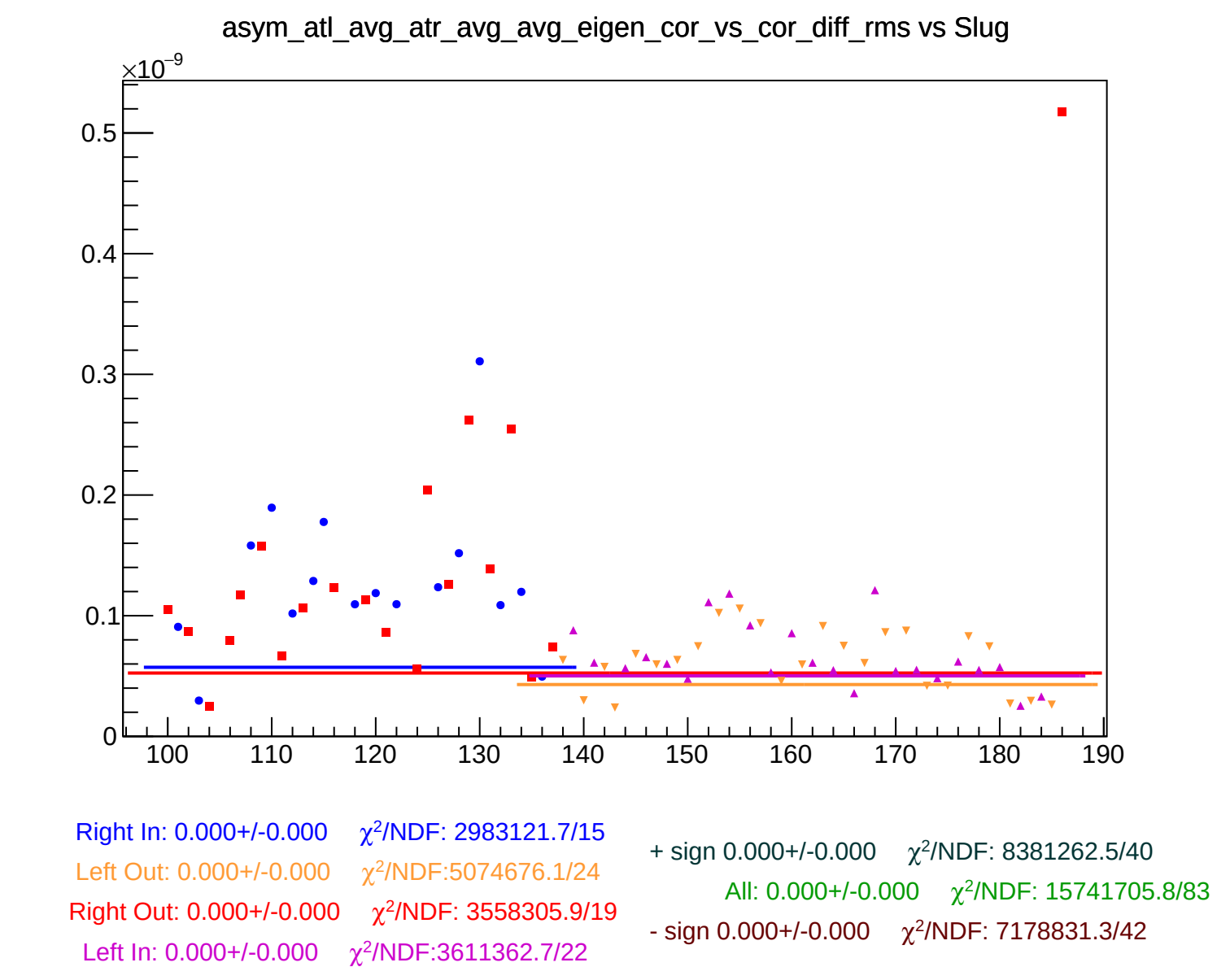
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/19

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

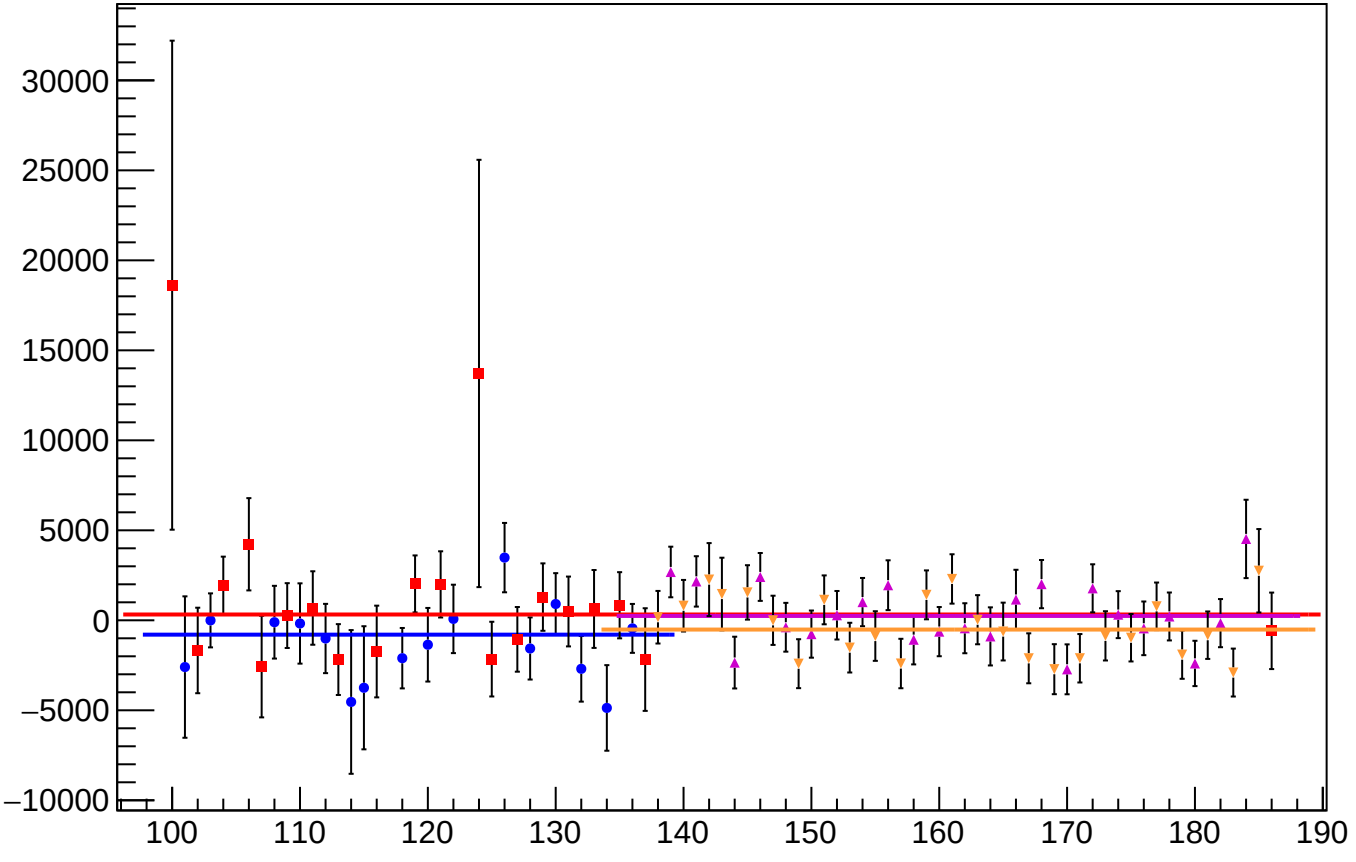
+ sign -0.000+/-0.000 χ^2/NDF: 32.3/40

All: 0.000+/-0.000 χ^2/NDF: 82.3/83

- 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: 2983121.7/15
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: 8381262.5/40
All: 0.000+/-0.000 χ²/NDF: 15741705.8/83
- sign 0.000+/-0.000 χ²/NDF: 7178831.3/42

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 322.583+/-473.608 χ^2/NDF: 15.8/19

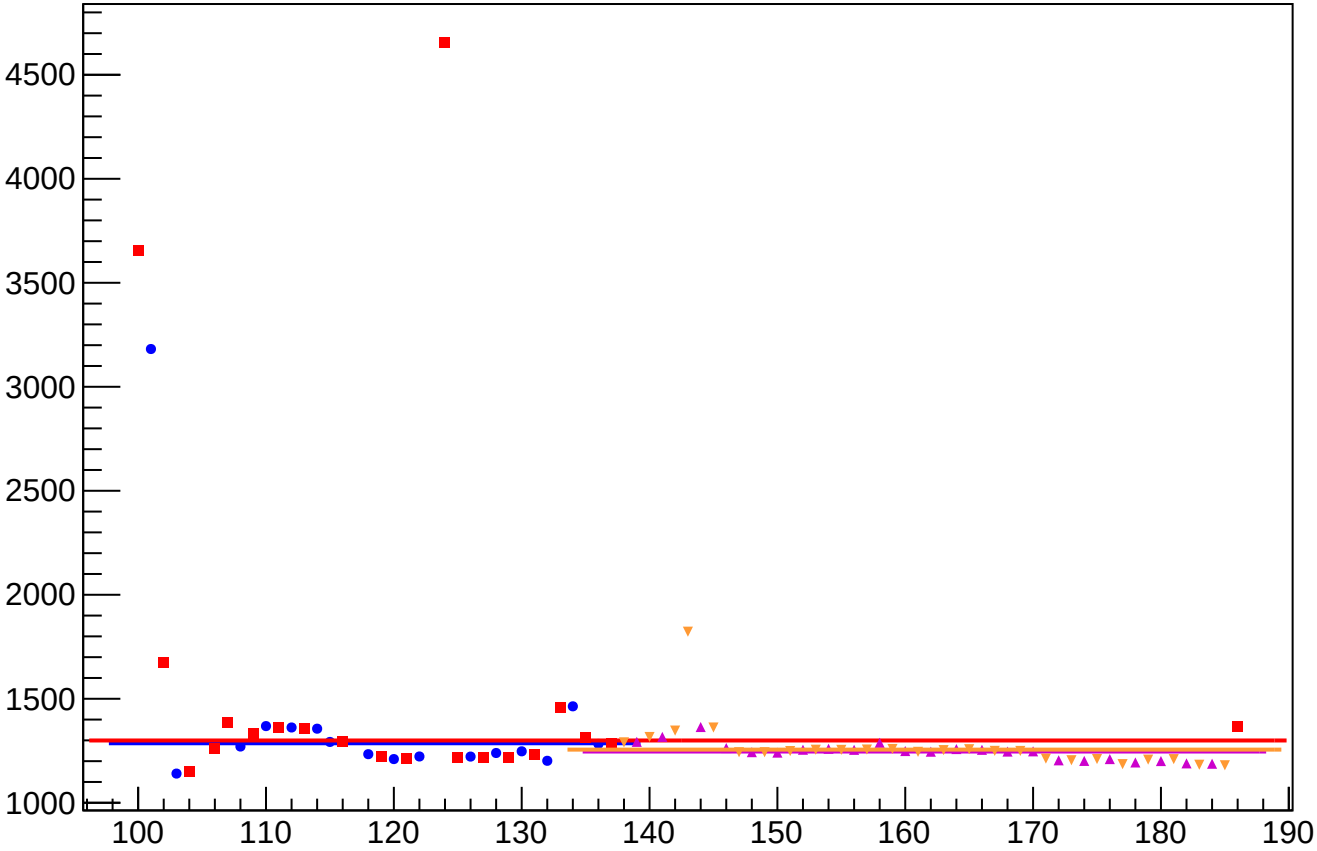
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -586.885+/-246.641 χ^2/NDF: 44.6/40

All: -163.552+/-174.894 χ^2/NDF: 98.4/83

- sign 264.600+/-248.041 χ^2/NDF: 47.9/42

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1299.478+/-0.335 χ^2/NDF: 330201.9/19

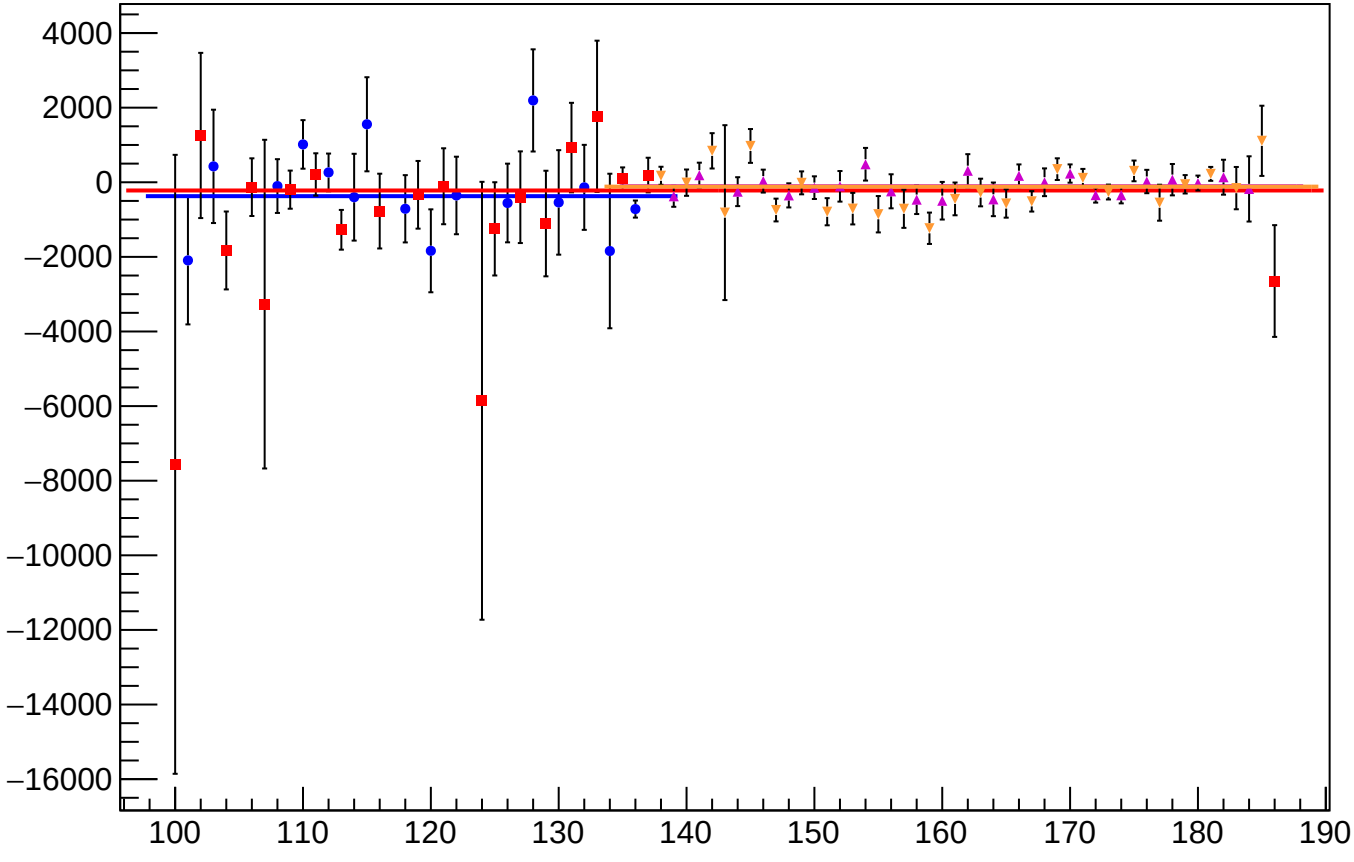
Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.344+/-0.174 χ^2/NDF: 727108.3/40

All: 1262.141+/-0.124 χ^2/NDF: 1115523.9/83

- sign 1260.926+/-0.175 χ^2/NDF: 388320.1/42

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -220.052+/-168.499 χ^2/NDF: 17.3/19

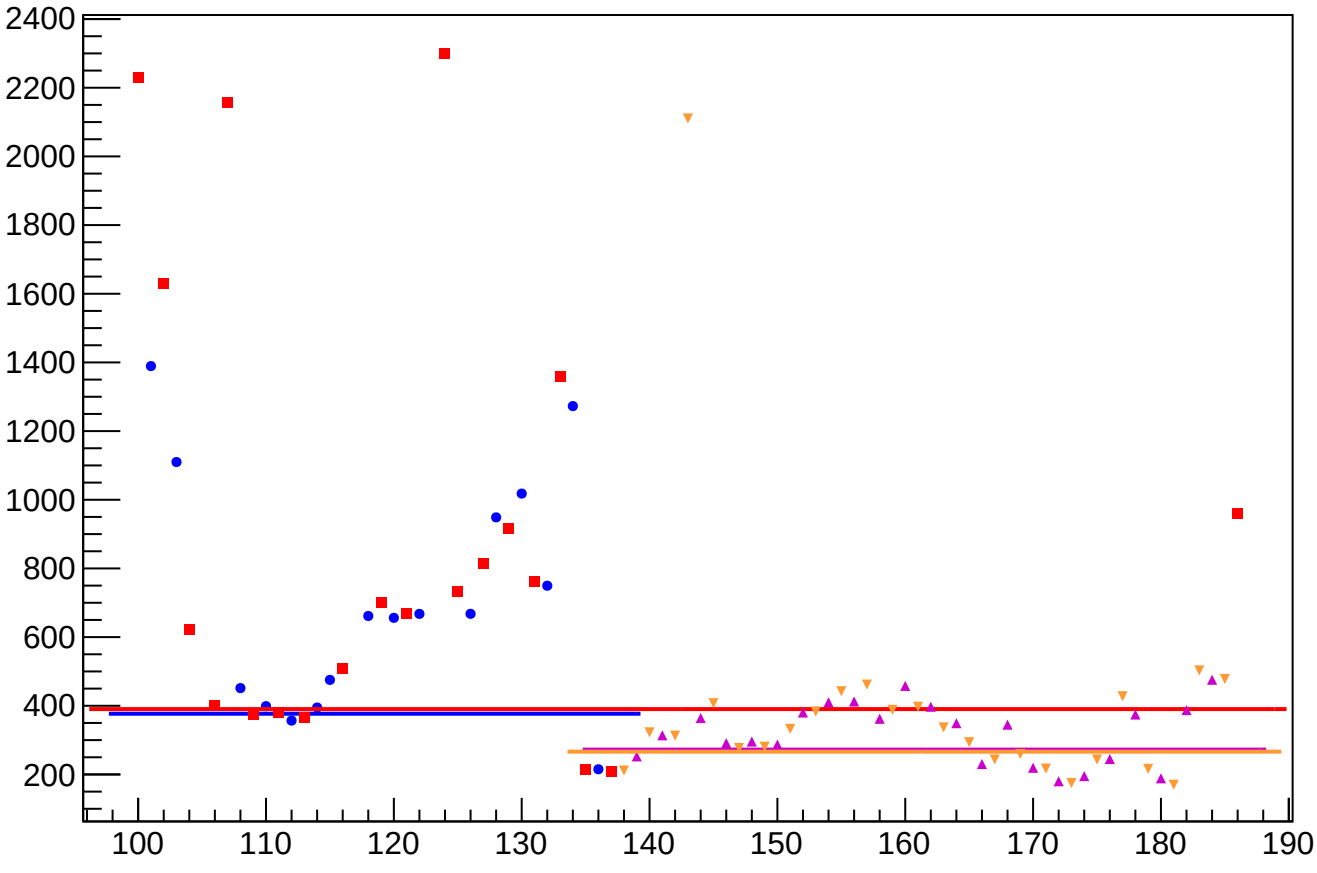
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -150.251+/-60.678 χ^2/NDF: 68.6/40

All: -136.844+/-43.454 χ^2/NDF: 100.1/83

\- sign -122.729+/-62.259 χ^2/NDF: 31.4/42

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 390.382+/-0.119 χ^2/NDF: 4347639.0/19

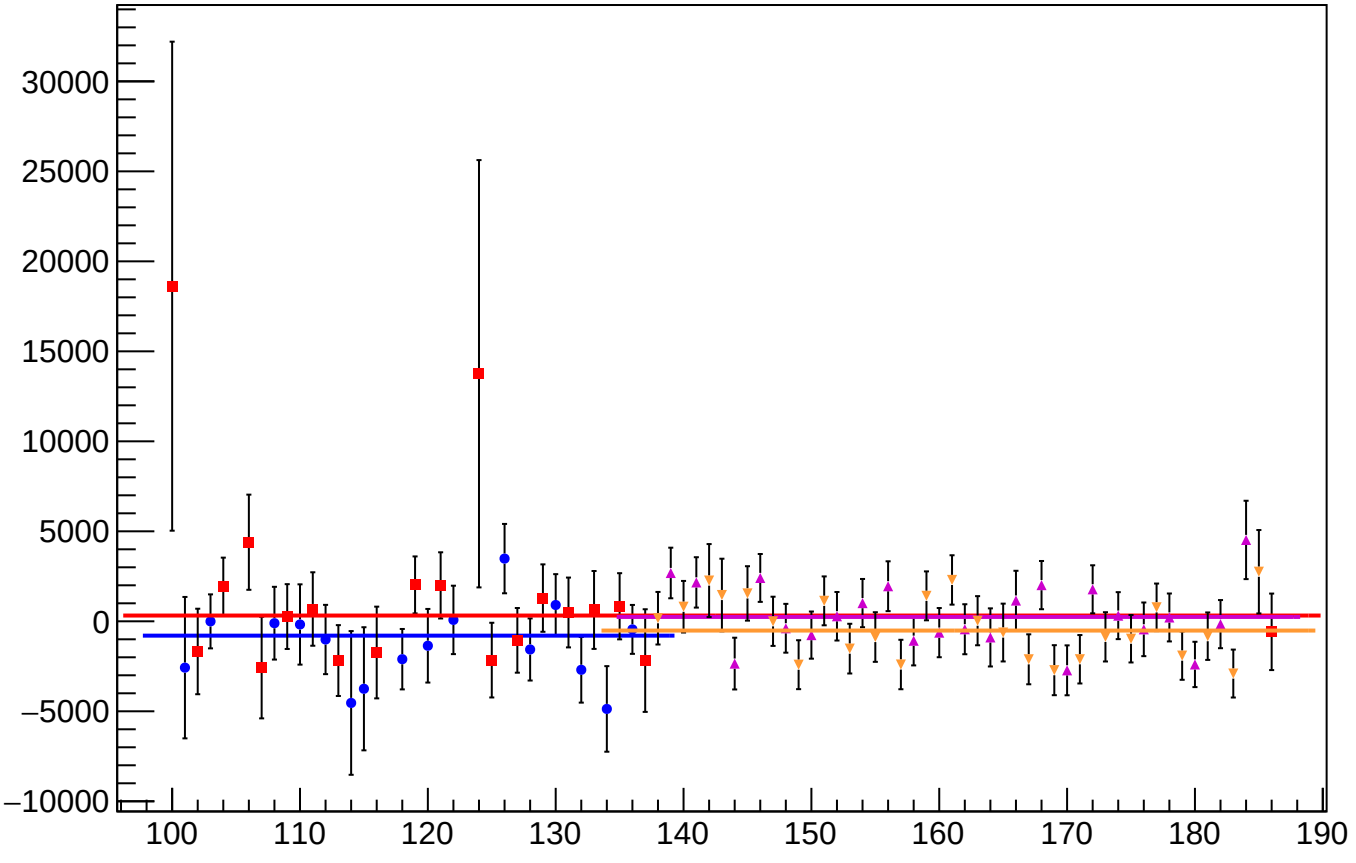
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 280.710+/-0.043 χ^2/NDF: 9572120.5/40

All: 284.495+/-0.031 χ^2/NDF: 17670688.6/83

- sign 288.480+/-0.044 χ^2/NDF: 8082593.3/42

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 320.085+/-474.092 χ^2/NDF: 15.9/19

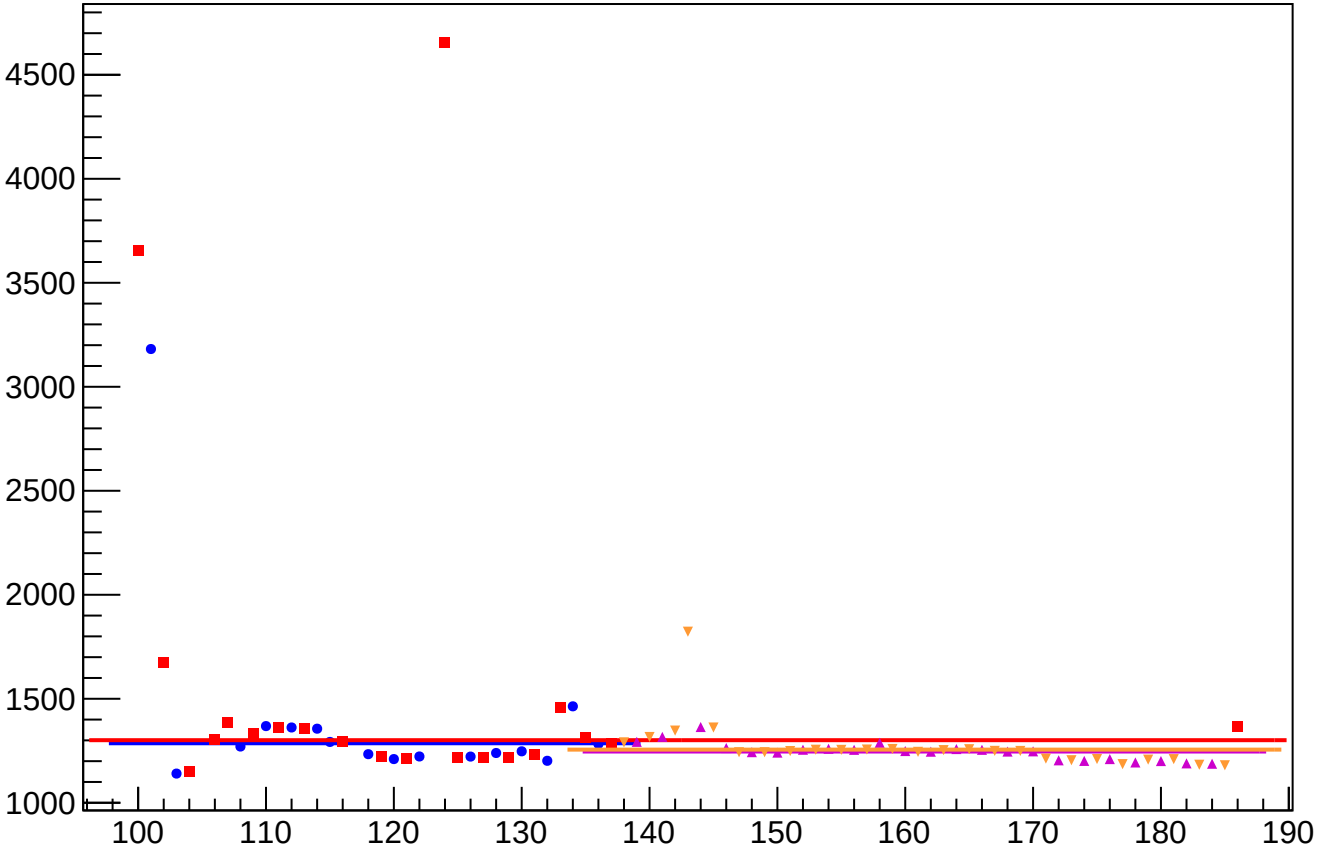
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -586.742+/-246.641 χ^2/NDF: 44.6/40

All: -163.964+/-174.918 χ^2/NDF: 98.4/83

- sign 263.867+/-248.110 χ^2/NDF: 47.9/42

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

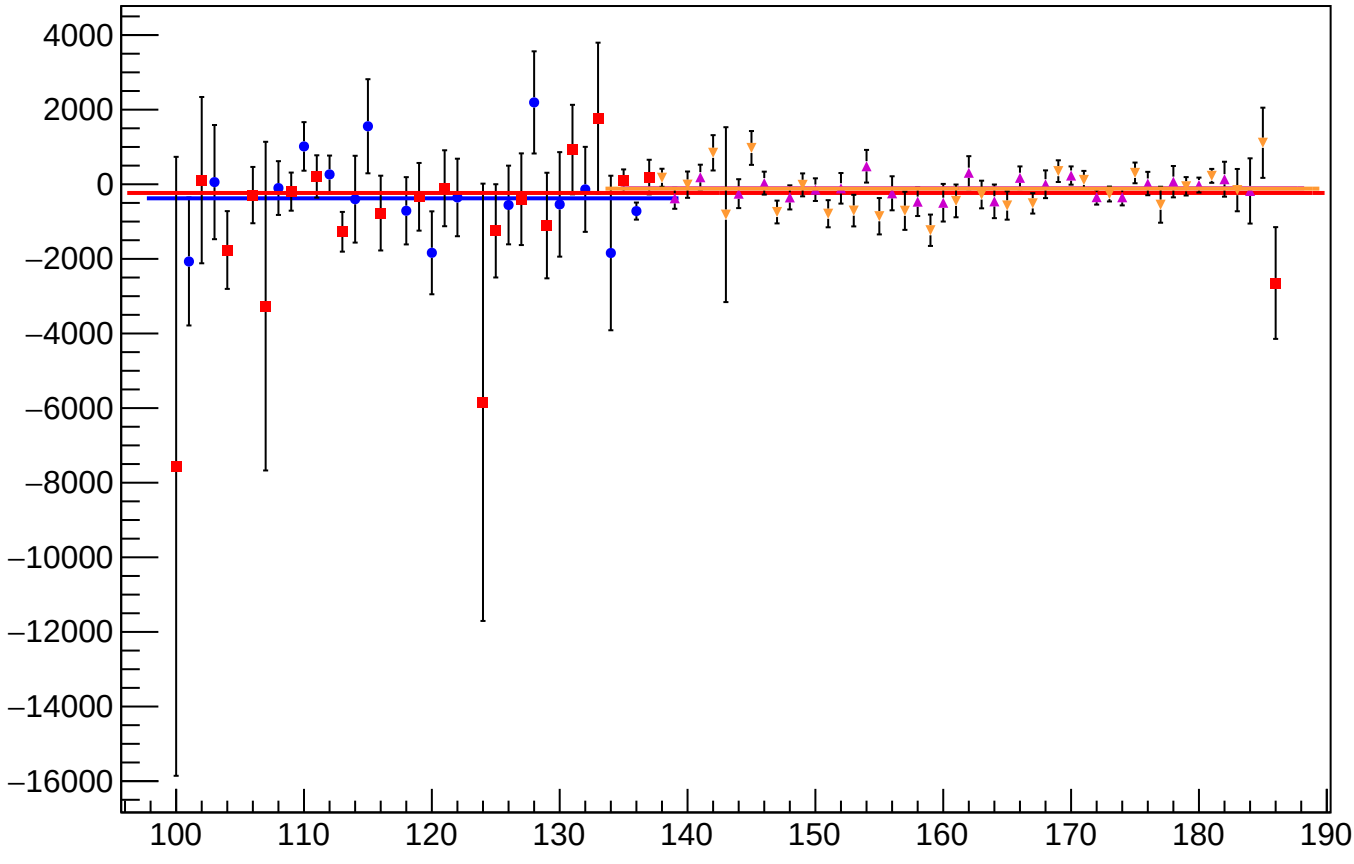
Right Out: 1300.864+/-0.335 χ^2/NDF: 329787.5/19

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.344+/-0.174 χ^2/NDF: 727109.6/40

All: 1262.320+/-0.124 χ^2/NDF: 1116021.4/83

- sign 1261.284+/-0.175 χ^2/NDF: 388842.5/42



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

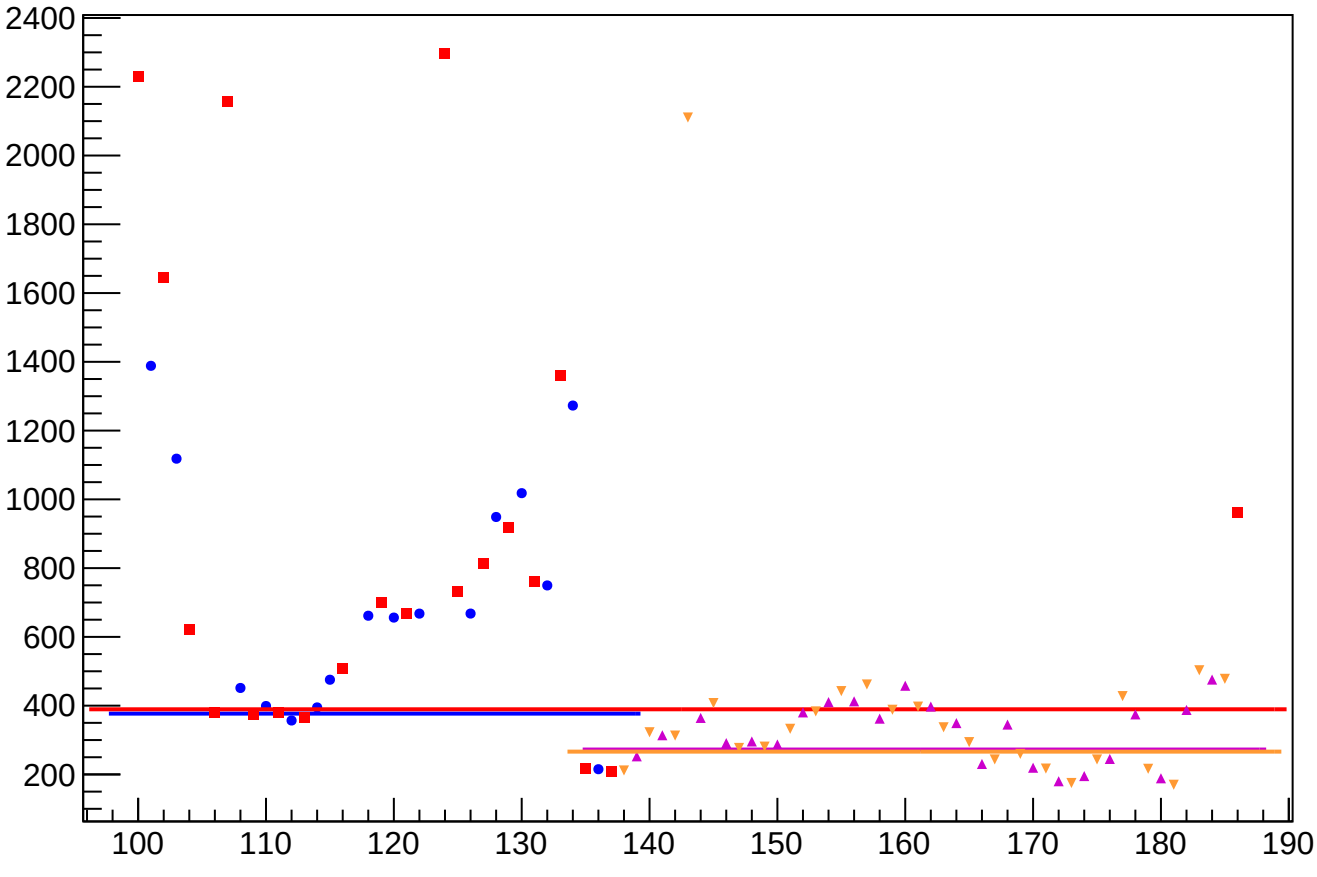
Right Out: -233.010+/-168.305 χ^2/NDF: 16.7/19

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -150.801+/-60.680 χ^2/NDF: 68.5/40

All: -138.053+/-43.452 χ^2/NDF: 99.4/83

- sign -124.635+/-62.251 χ^2/NDF: 30.9/42



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

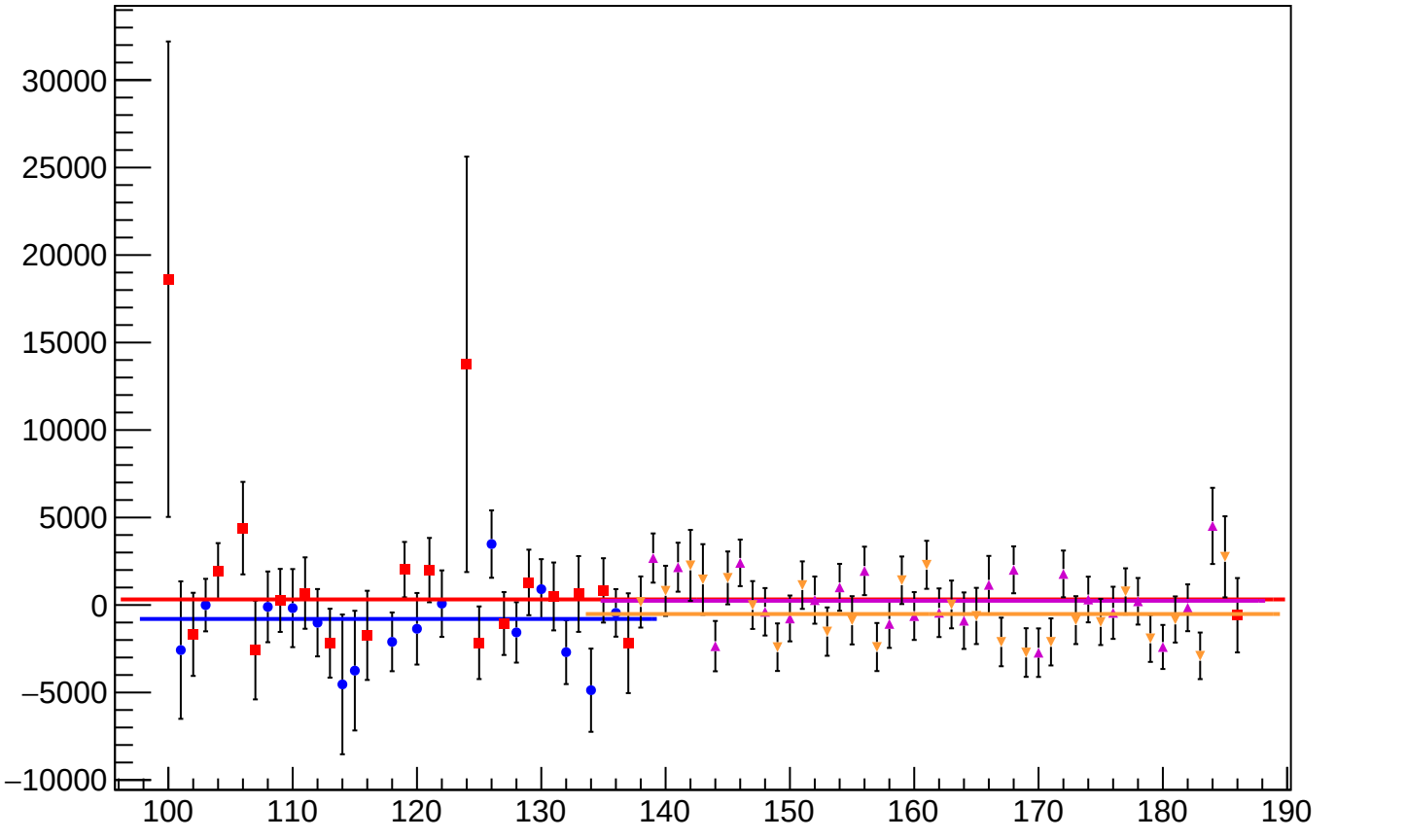
Right Out: 389.439+/-0.119 χ^2/NDF: 4354080.8/19

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 280.711+/-0.043 χ^2/NDF: 9574940.3/40

All: 284.454+/-0.031 χ^2/NDF: 17667397.4/83

- sign 288.392+/-0.044 χ^2/NDF: 8076844.6/42



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 320.085+/-474.092 χ^2/NDF: 15.9/19

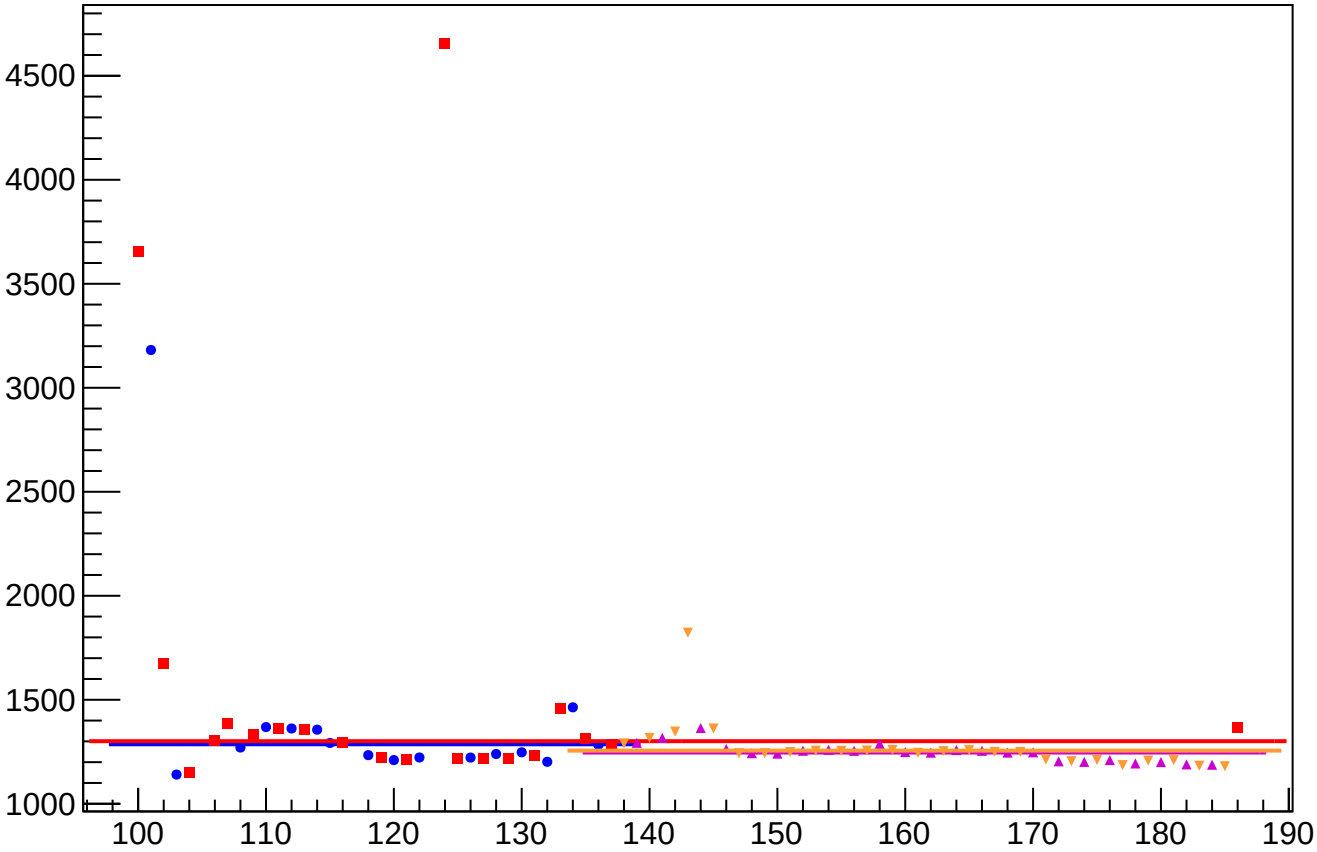
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -586.742+/-246.641 χ^2/NDF: 44.6/40

All: -163.964+/-174.918 χ^2/NDF: 98.4/83

- sign 263.867+/-248.110 χ^2/NDF: 47.9/42

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

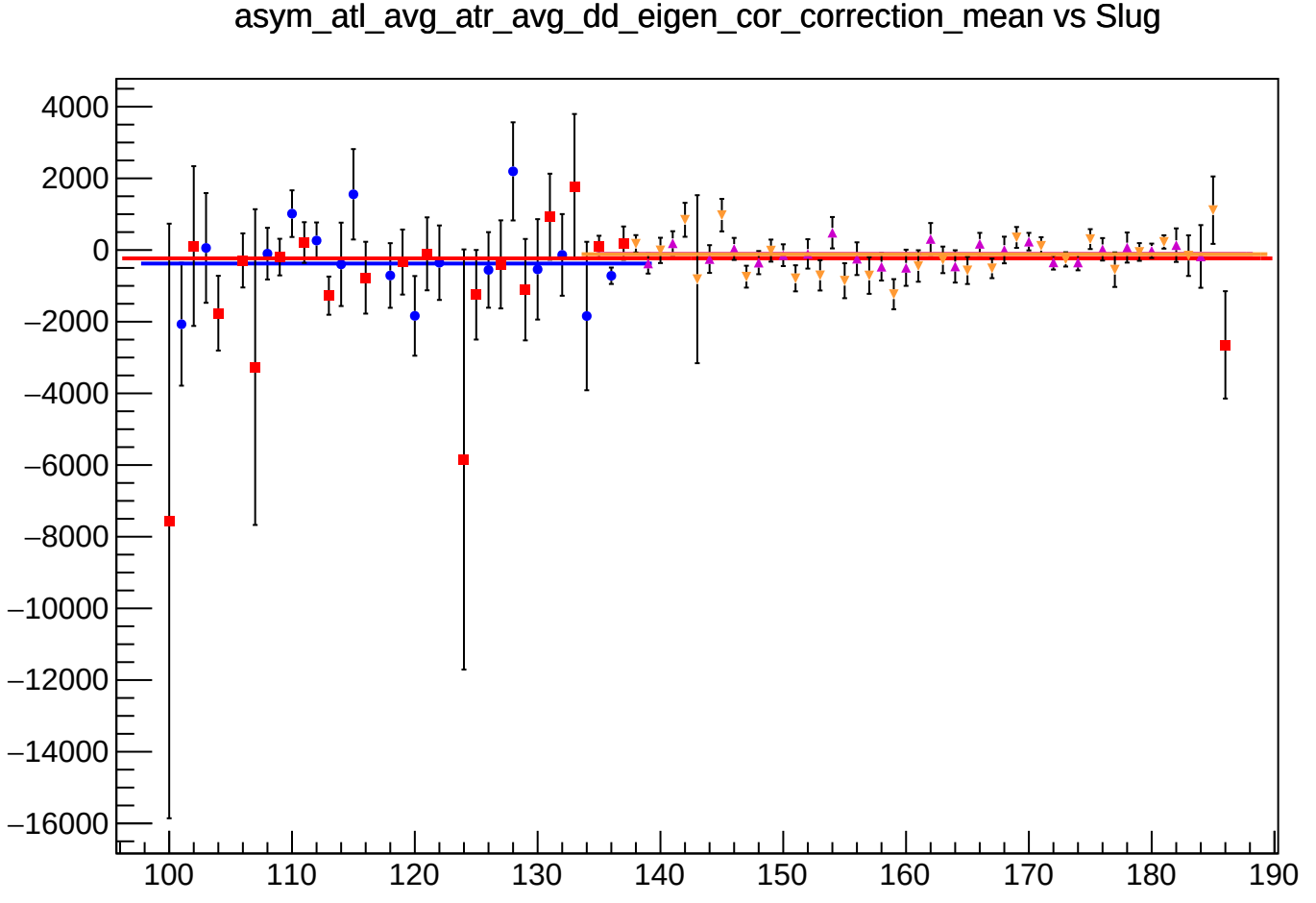
Right Out: 1300.864+/-0.335 χ^2/NDF: 329787.5/19

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.344+/-0.174 χ^2/NDF: 727109.6/40

All: 1262.320+/-0.124 χ^2/NDF: 1116021.4/83

- sign 1261.284+/-0.175 χ^2/NDF: 388842.5/42



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

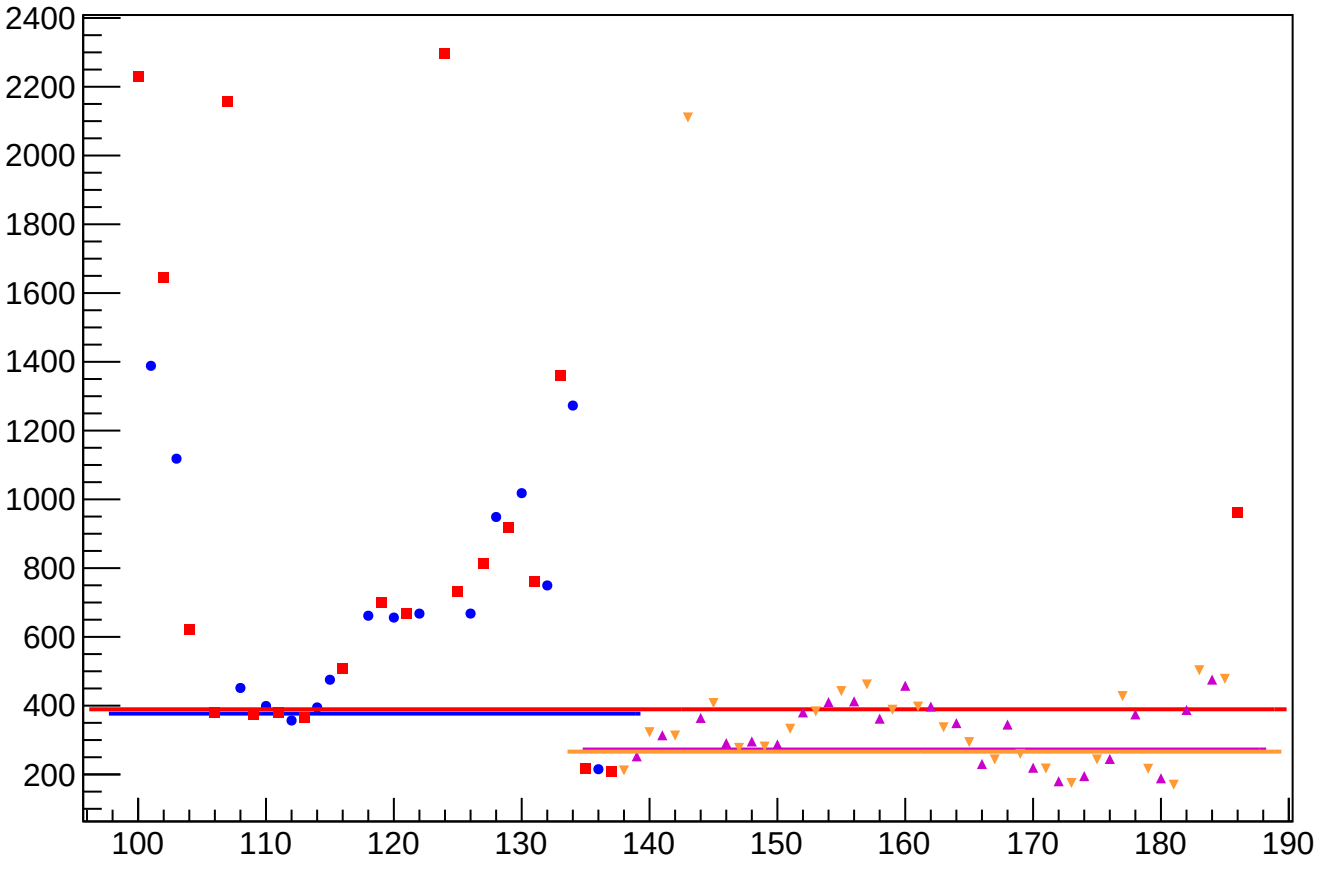
Right Out: -233.010+/-168.305 χ^2/NDF: 16.7/19

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -150.801+/-60.680 χ^2/NDF: 68.5/40

All: -138.053+/-43.452 χ^2/NDF: 99.4/83

- sign -124.635+/-62.251 χ^2/NDF: 30.9/42


asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
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140
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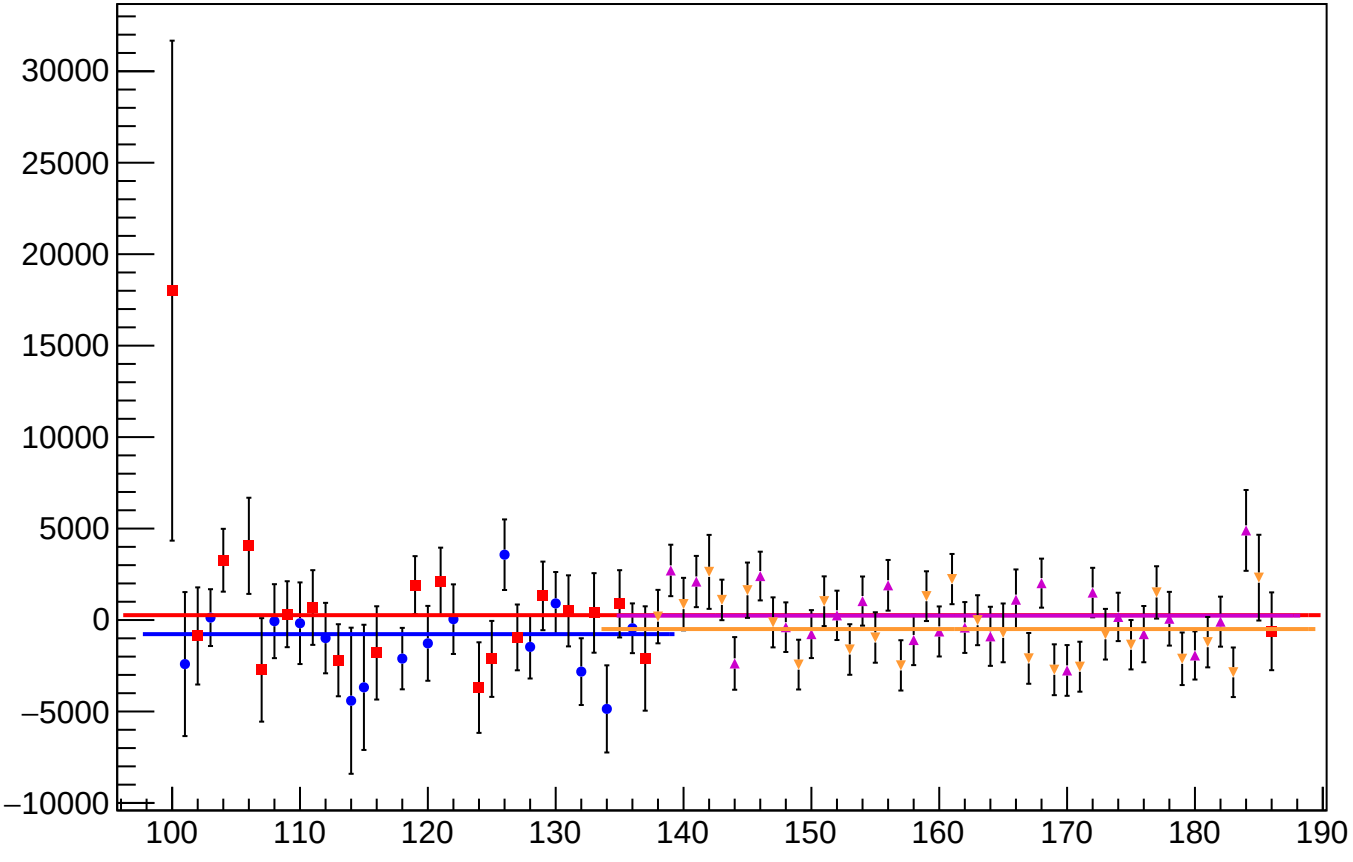
160
170
180
190
Right In: 376.884+/-0.119 χ²/NDF: 4193328.0/15
Left Out: 266.326+/-0.046 χ²/NDF:4630167.4/24
Right Out: 389.439+/-0.119 χ²/NDF: 4354080.8/19
Left In: 272.378+/-0.047 χ²/NDF:2887597.1/22
+ sign 280.711+/-0.043 χ²/NDF: 9574940.3/40
All: 284.454+/-0.031 χ²/NDF: 17667397.4/83
- sign 288.392+/-0.044 χ²/NDF: 8076844.6/42

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 266.025+/-470.674 χ^2/NDF: 18.1/19

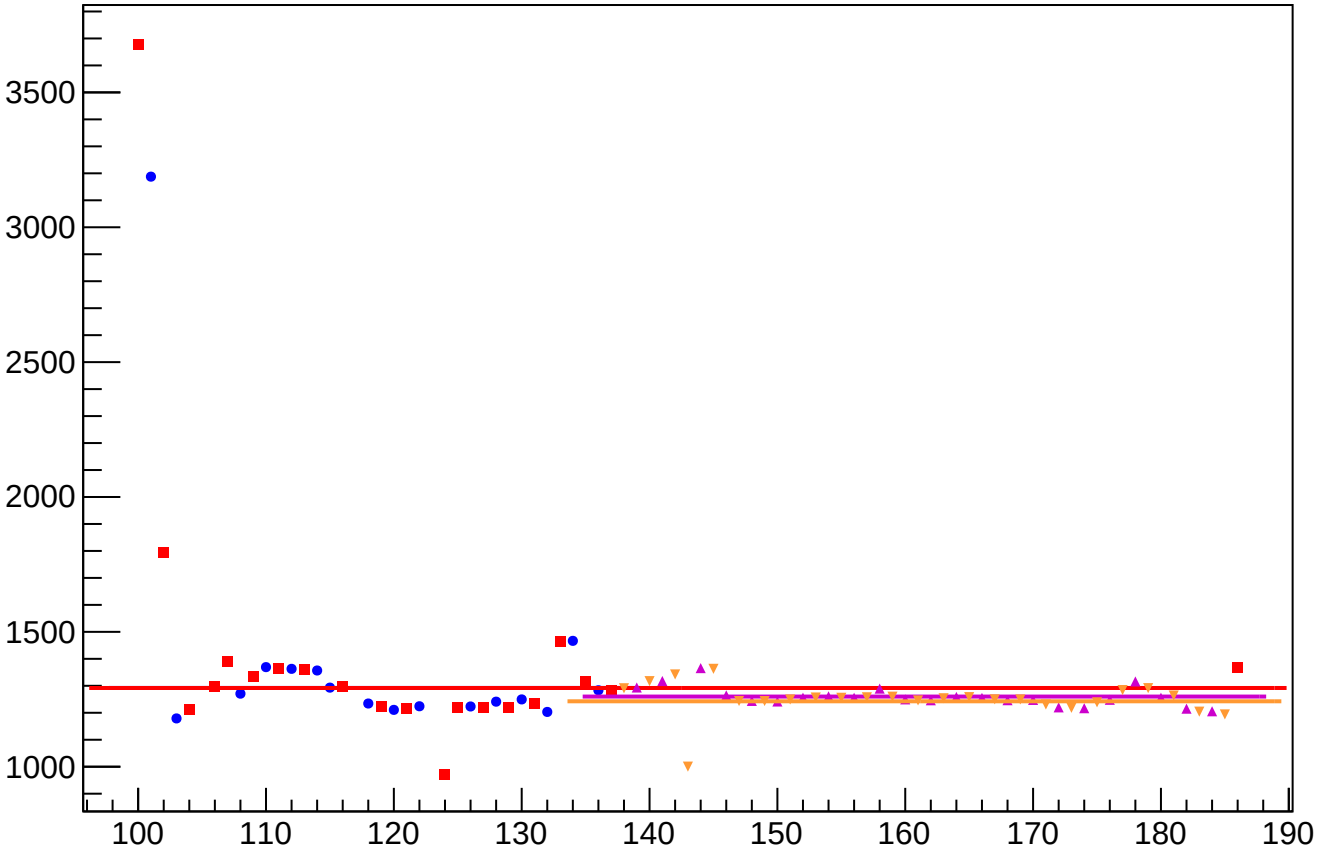
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -562.975+/-244.841 χ^2/NDF: 48.1/40

All: -164.854+/-174.773 χ^2/NDF: 102.3/83

- sign 248.757+/-249.559 χ^2/NDF: 48.8/42

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

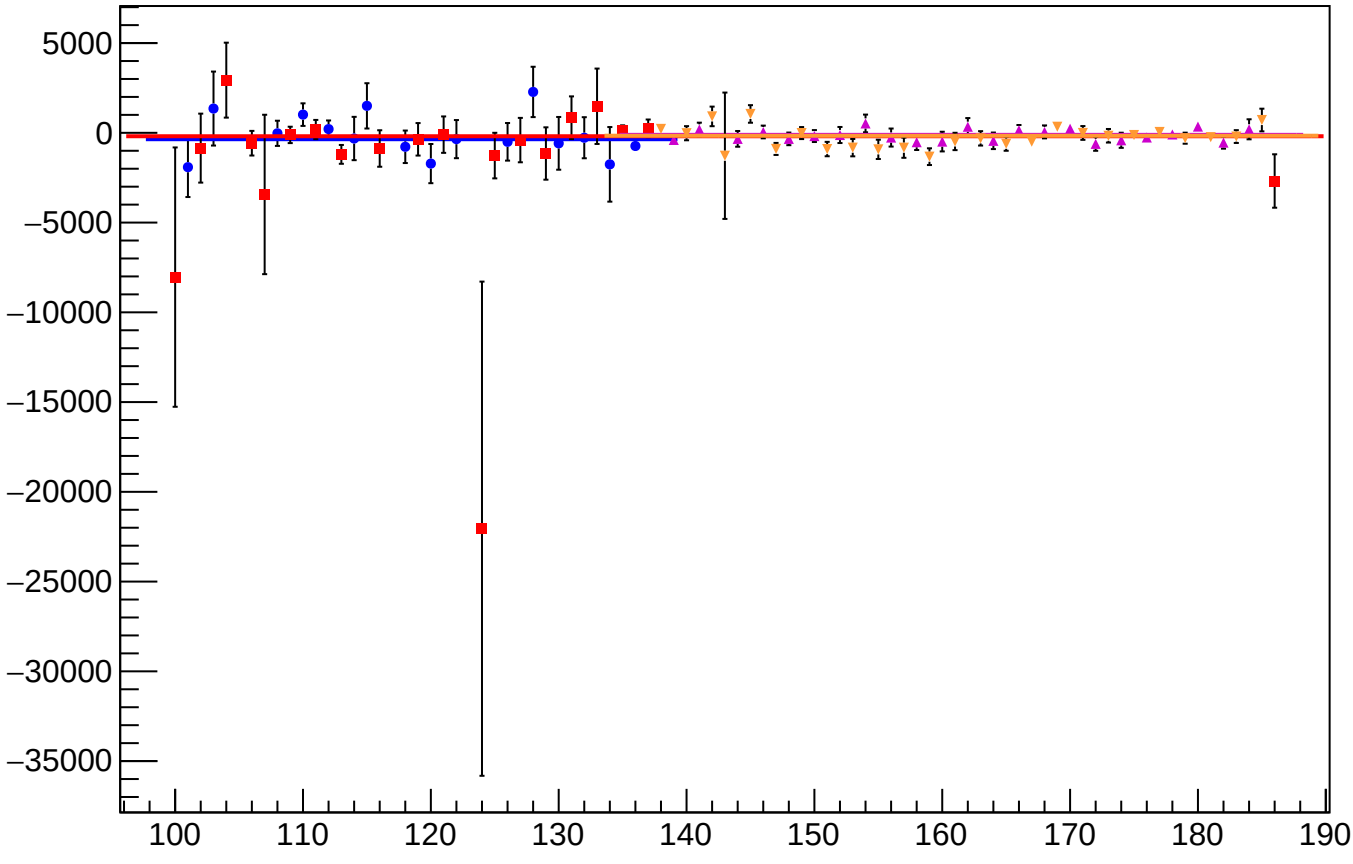
Right Out: 1291.913+/-0.333 χ^2/NDF: 211909.3/19

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

\+ sign 1254.918+/-0.173 χ^2/NDF: 654759.4/40

All: 1261.844+/-0.124 χ^2/NDF: 904434.7/83

\- sign 1269.039+/-0.176 χ^2/NDF: 246412.4/42



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

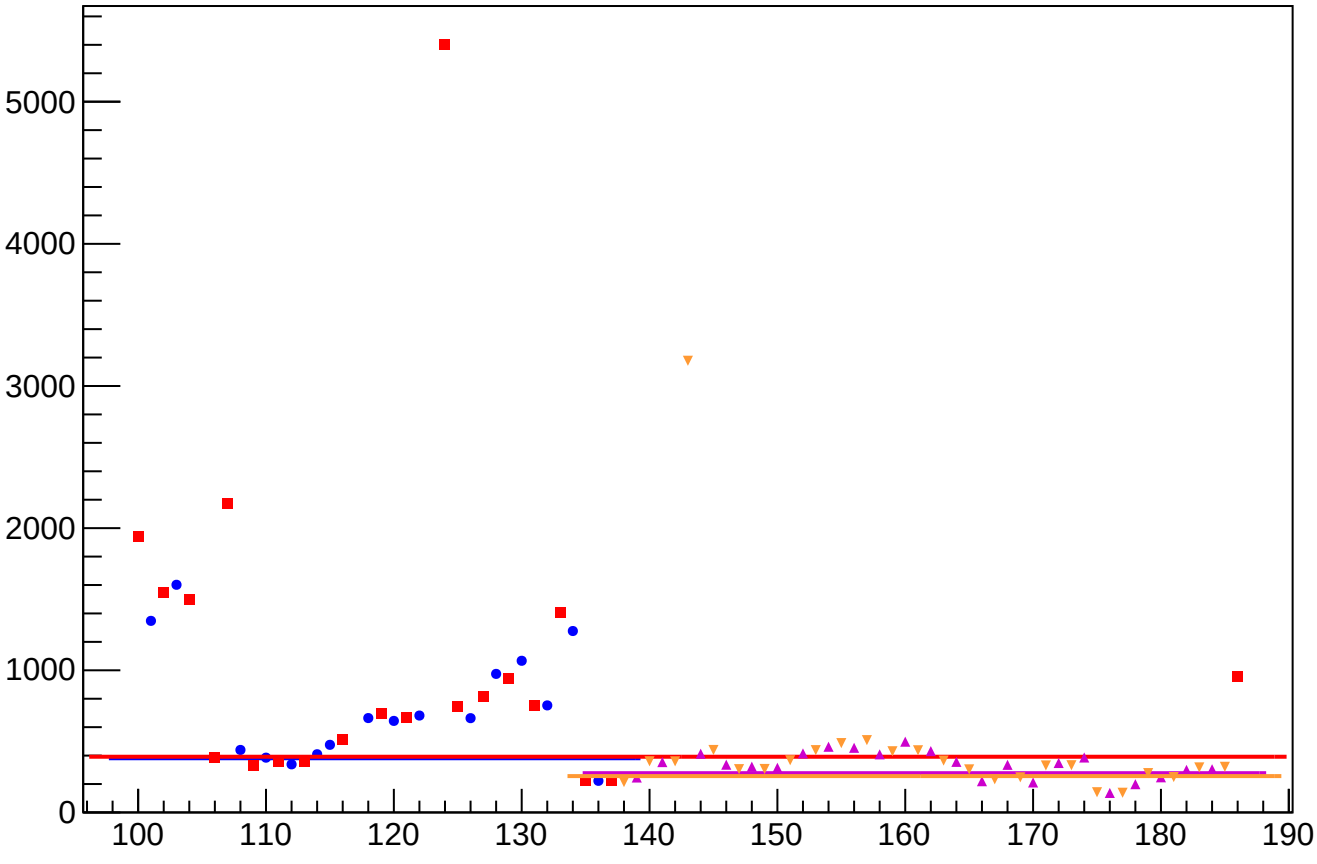
Right Out: -190.330+/-168.573 χ^2/NDF: 18.7/19

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -185.144+/-60.003 χ^2/NDF: 63.3/40

All: -156.728+/-43.687 χ^2/NDF: 100.9/83

- sign -124.671+/-63.731 χ^2/NDF: 37.1/42



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

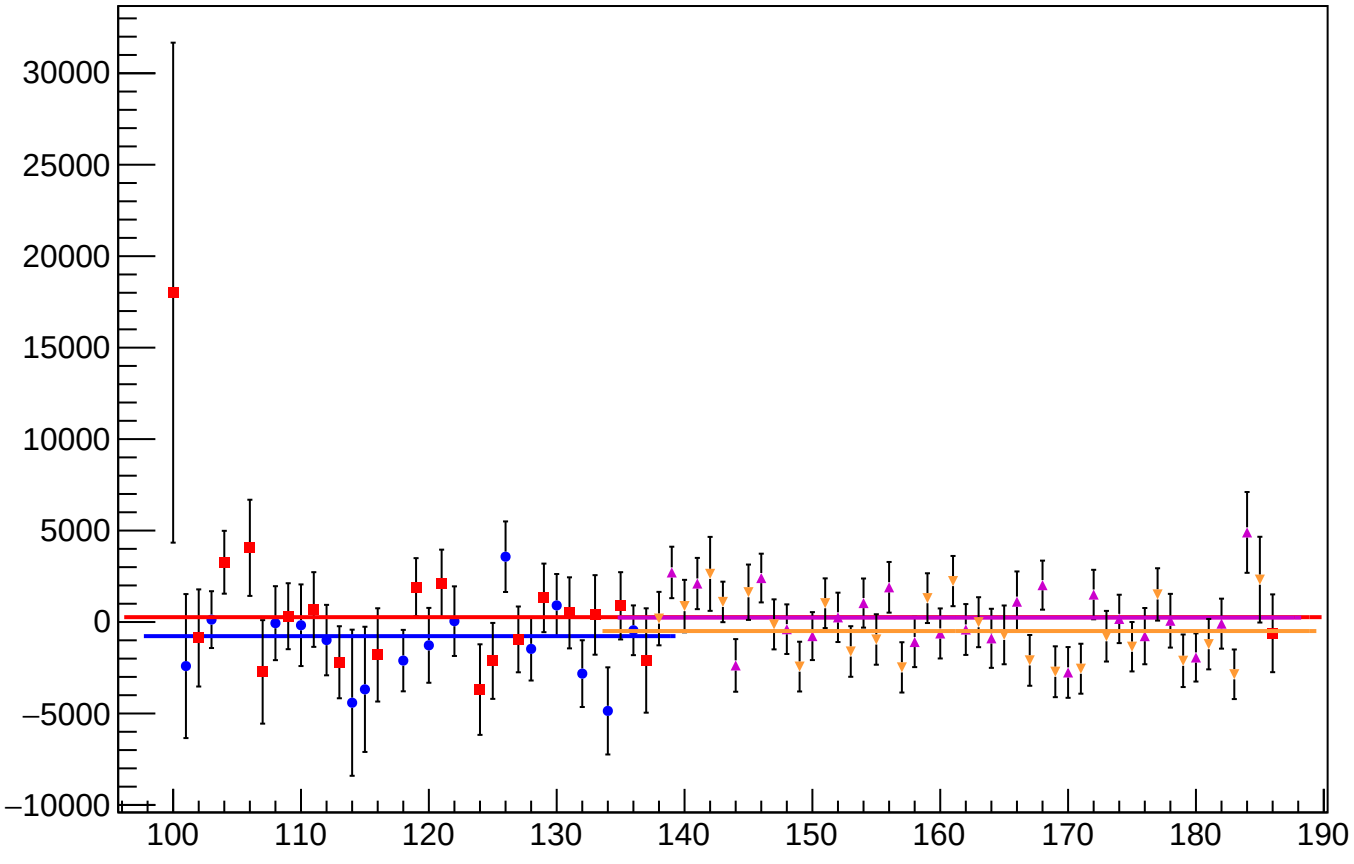
Right Out: 391.959+/-0.119 χ^2/NDF: 4849456.6/19

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 271.419+/-0.042 χ^2/NDF: 11647556.4/40

All: 281.480+/-0.031 χ^2/NDF: 21451027.9/83

- sign 292.830+/-0.045 χ^2/NDF: 9683806.2/42



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 266.027+/-470.674 χ^2/NDF: 18.1/19

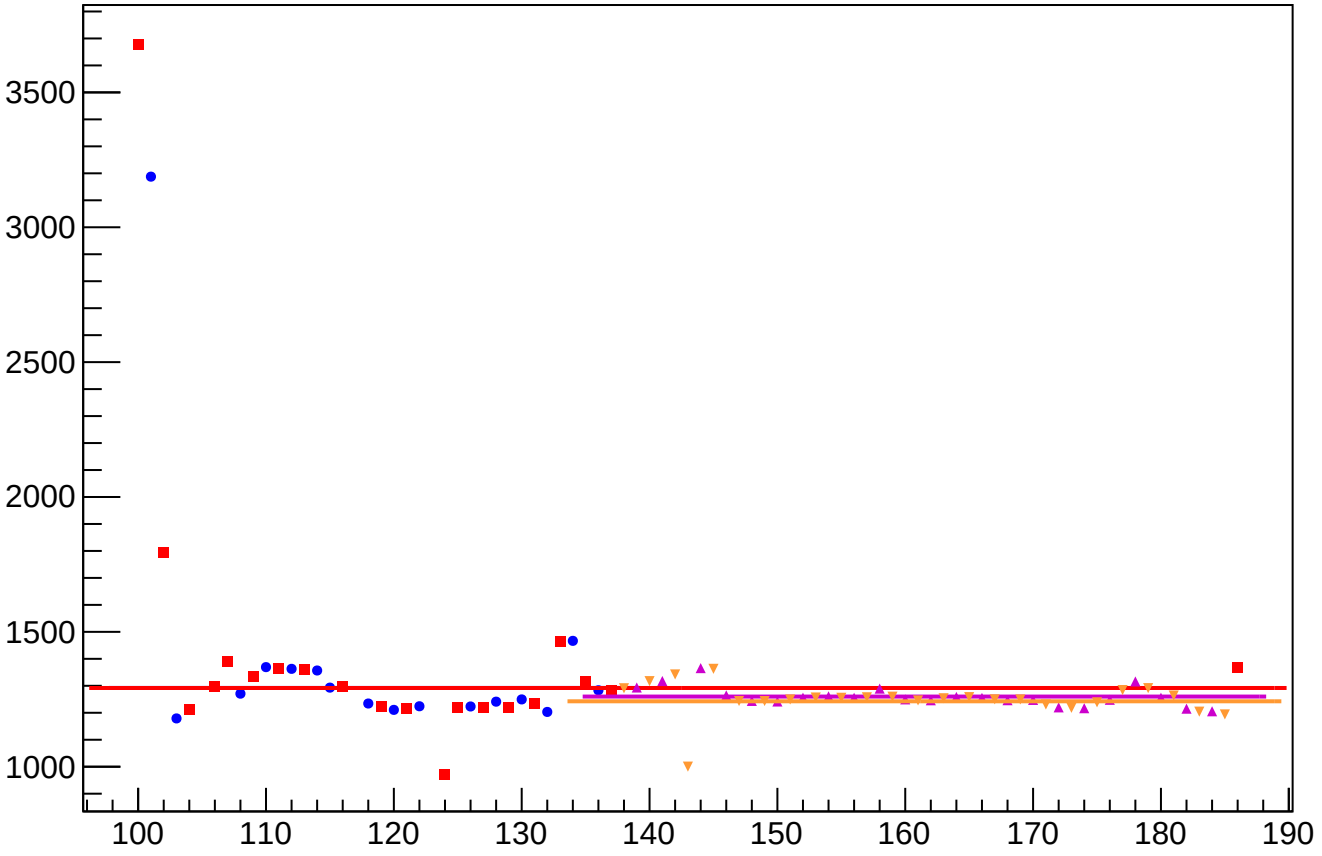
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -562.975+/-244.841 χ^2/NDF: 48.1/40

All: -164.854+/-174.773 χ^2/NDF: 102.3/83

- sign 248.758+/-249.559 χ^2/NDF: 48.8/42

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

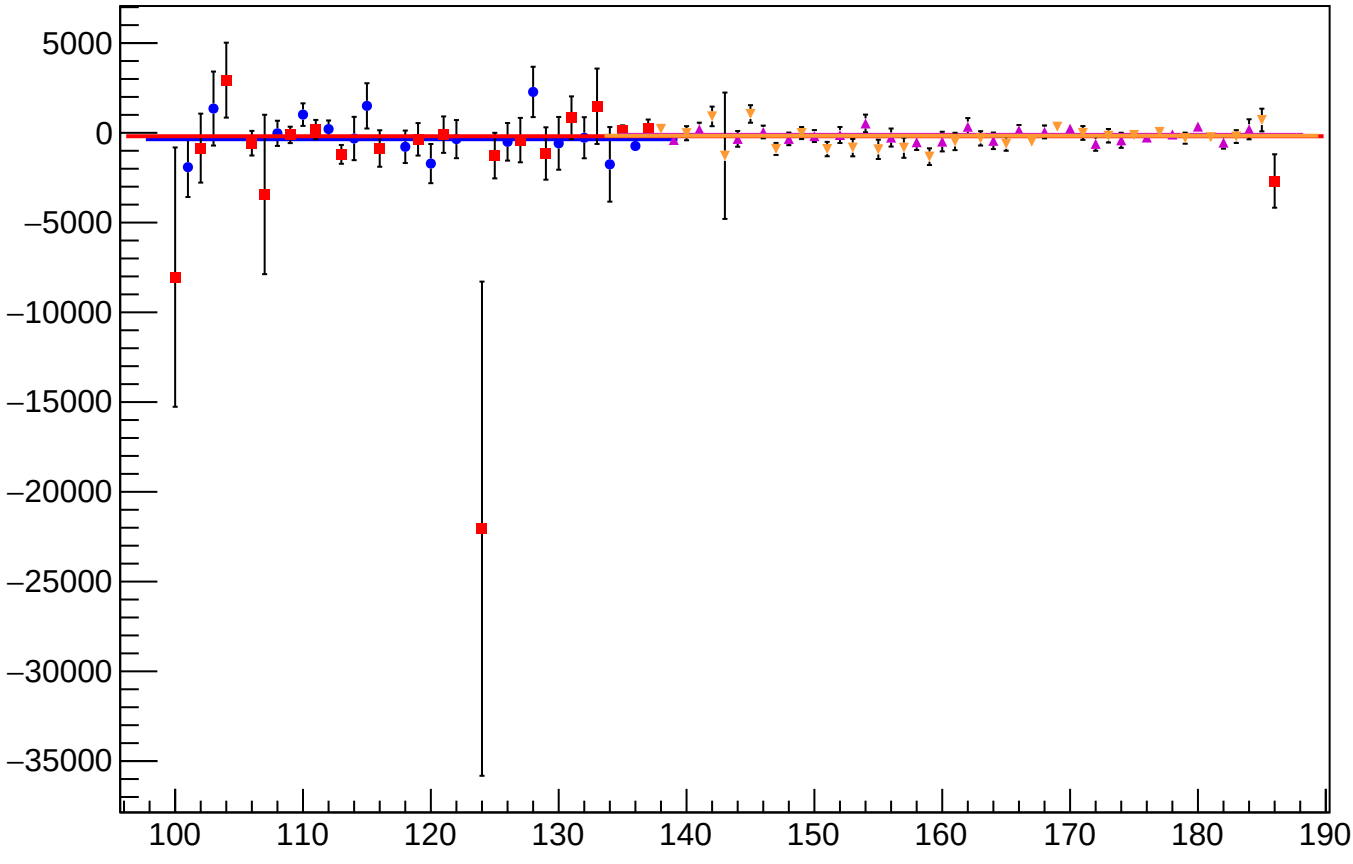
Right Out: 1291.913+/-0.333 χ^2/NDF: 211909.6/19

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1254.918+/-0.173 χ^2/NDF: 654758.5/40

All: 1261.844+/-0.124 χ^2/NDF: 904434.2/83

- sign 1269.039+/-0.176 χ^2/NDF: 246412.8/42



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

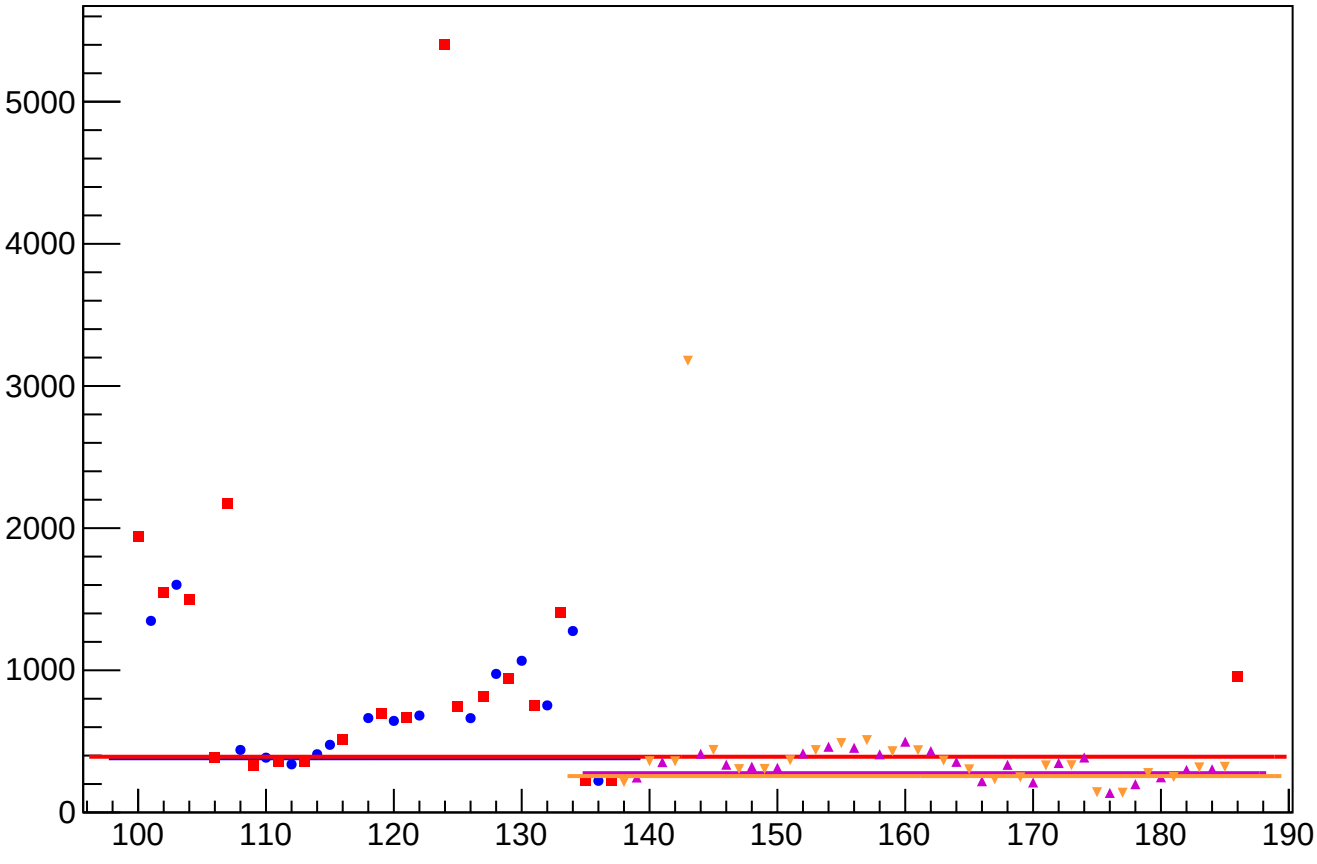
Right Out: -190.337+/-168.575 χ^2/NDF: 18.7/19

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -185.146+/-60.004 χ^2/NDF: 63.3/40

All: -156.729+/-43.687 χ^2/NDF: 100.9/83

- sign -124.671+/-63.731 χ^2/NDF: 37.1/42



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 391.967+/-0.119 χ^2/NDF: 4849305.3/19

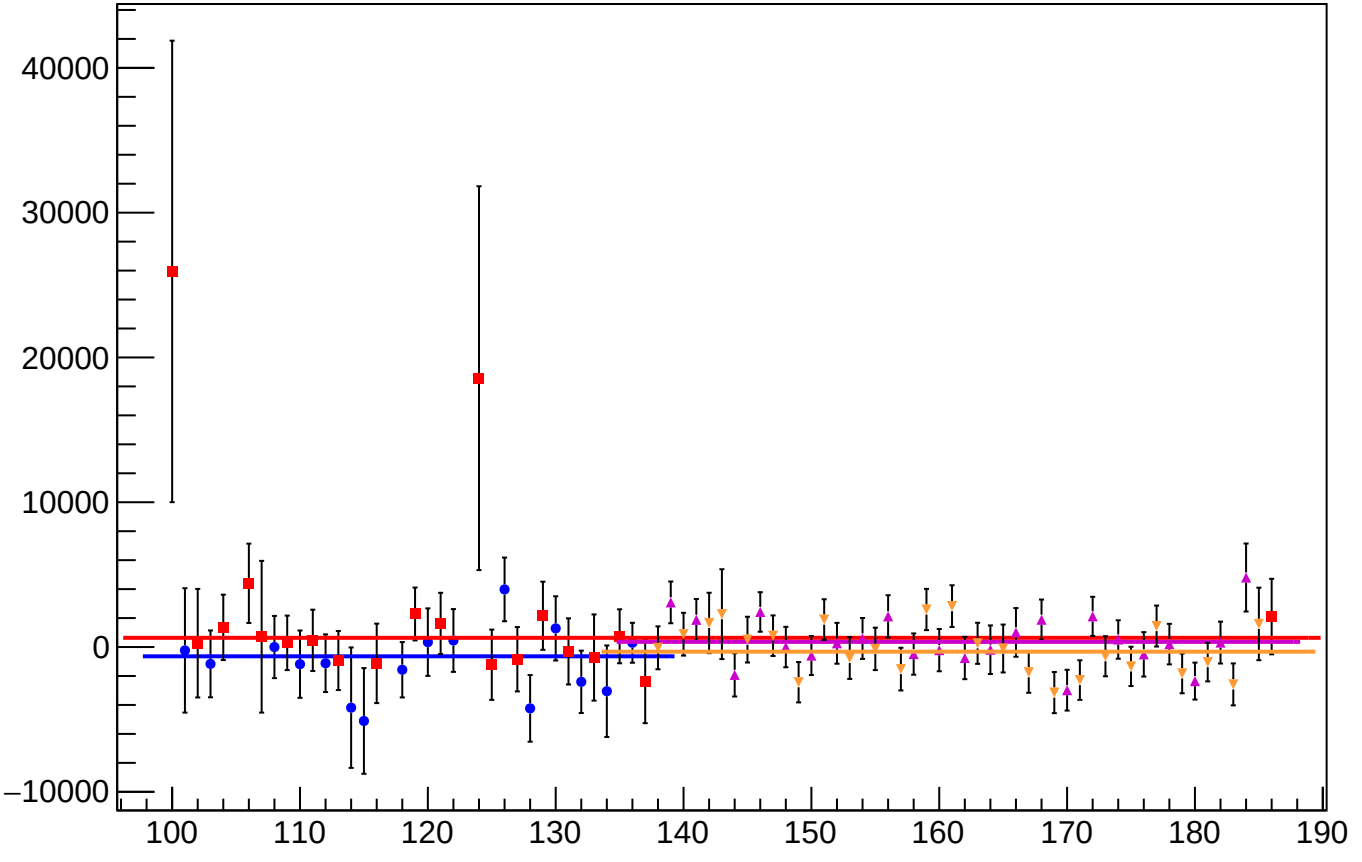
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 271.421+/-0.042 χ^2/NDF: 11647375.2/40

All: 281.482+/-0.031 χ^2/NDF: 21450731.7/83

- sign 292.831+/-0.045 χ^2/NDF: 9683701.2/42

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 636.546+/-553.846 χ^2/NDF: 11.7/19

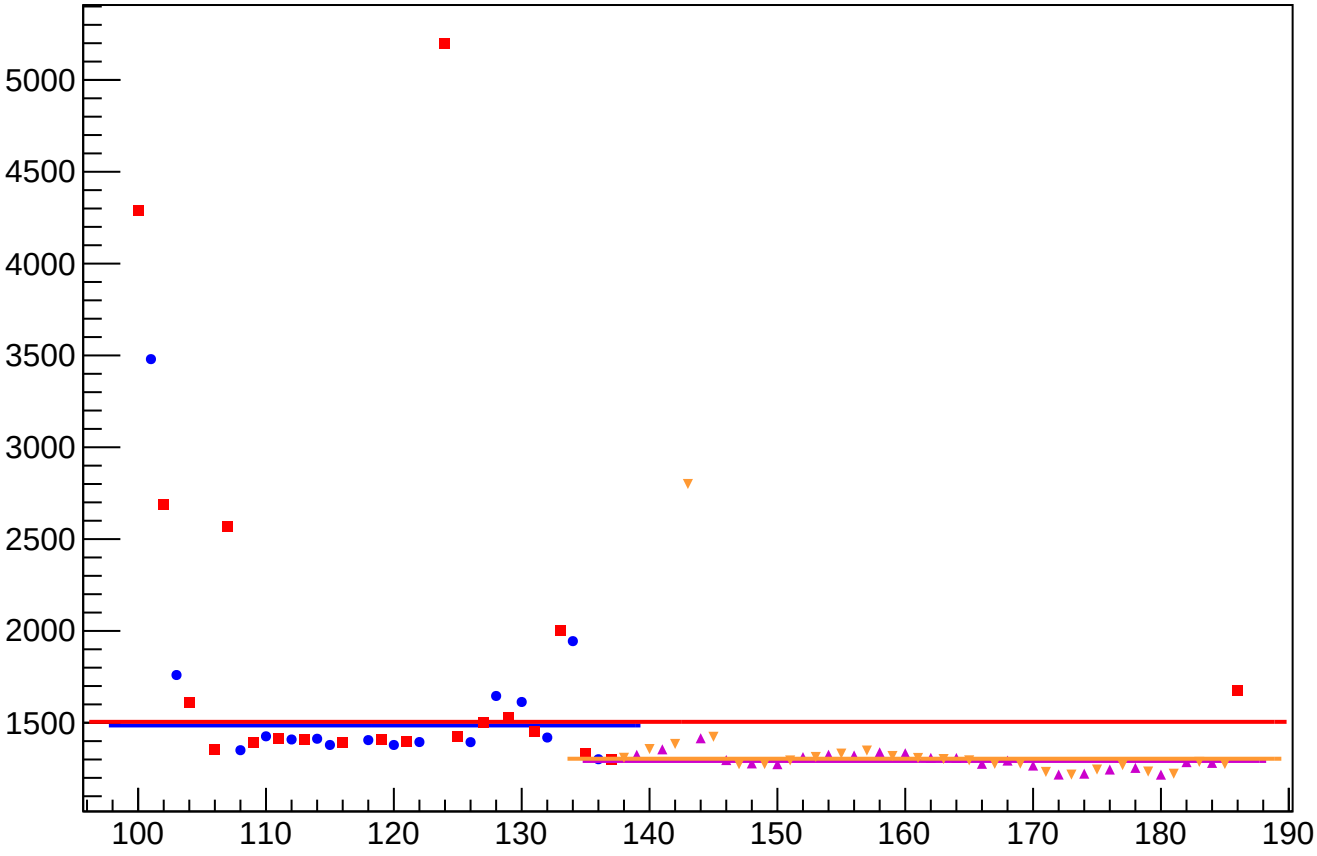
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -389.846+/-263.707 χ^2/NDF: 44.3/40

All: 13.257+/-186.952 χ^2/NDF: 90.5/83

- sign 420.563+/-265.078 χ^2/NDF: 41.5/42

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

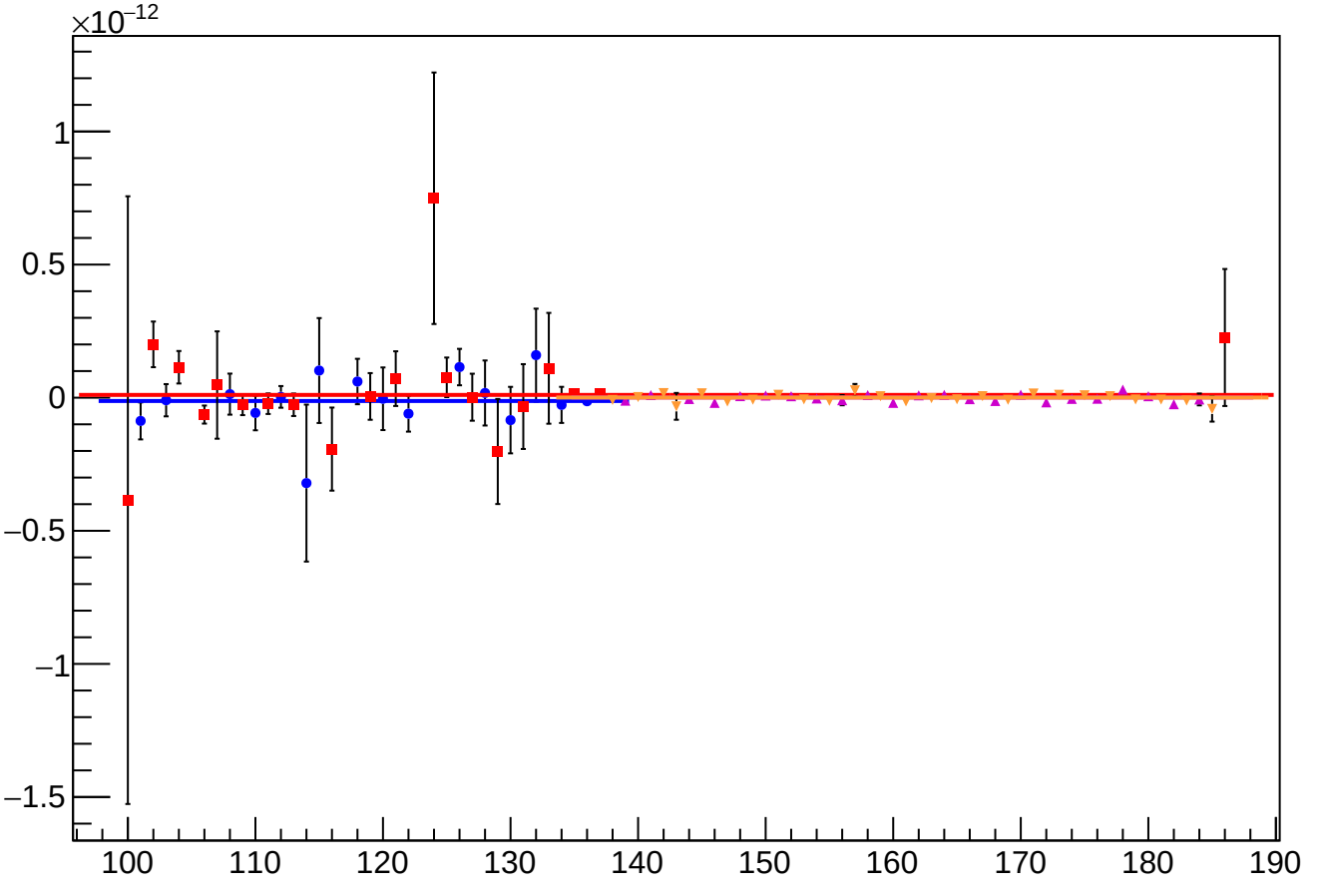
Right Out: 1504.994+/-0.392 χ^2/NDF: 632414.9/19

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1343.721+/-0.186 χ^2/NDF: 1265260.4/40

All: 1342.311+/-0.132 χ^2/NDF: 2173907.1/83

- sign 1340.886+/-0.187 χ^2/NDF: 908531.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

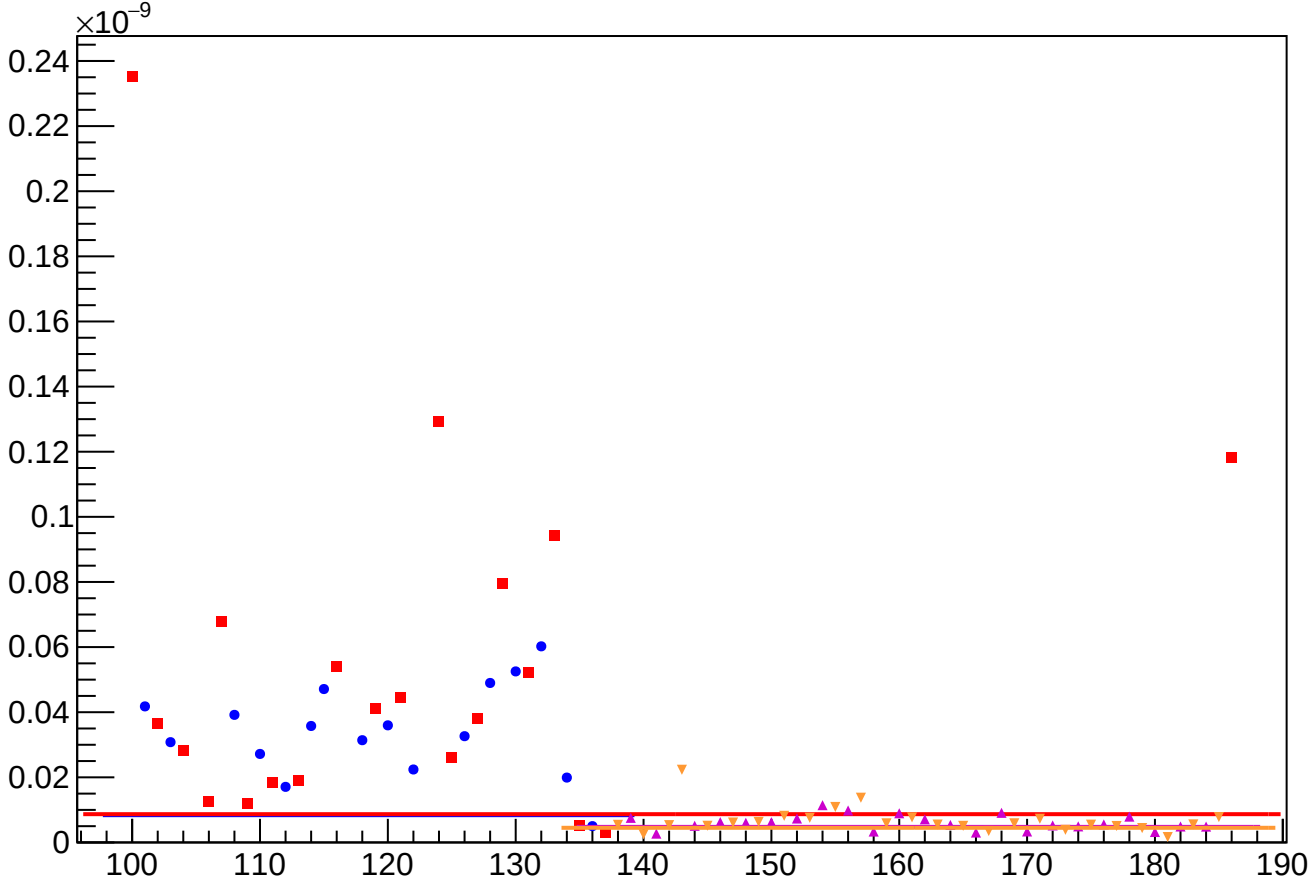
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/19

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.7/40

All: 0.000+/-0.000 χ^2/NDF: 90.9/83

- sign 0.000+/-0.000 χ^2/NDF: 53.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

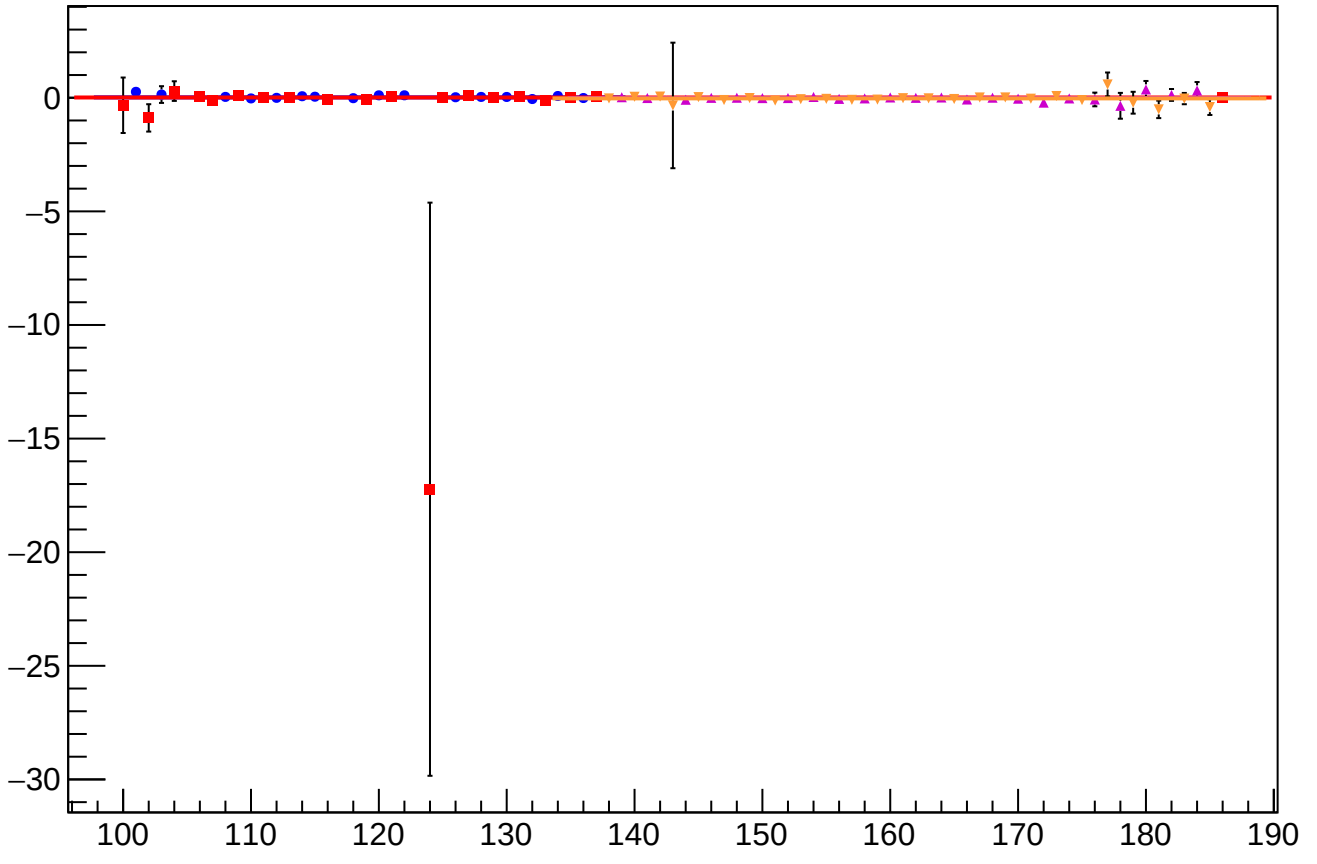
Right Out: 0.000+/-0.000 χ^2/NDF: 3711165.2/19

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6287332.5/40

All: 0.000+/-0.000 χ^2/NDF: 12351883.7/83

- sign 0.000+/-0.000 χ^2/NDF: 6042763.7/42



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.012+/-0.015 χ^2/NDF: 16.2/19

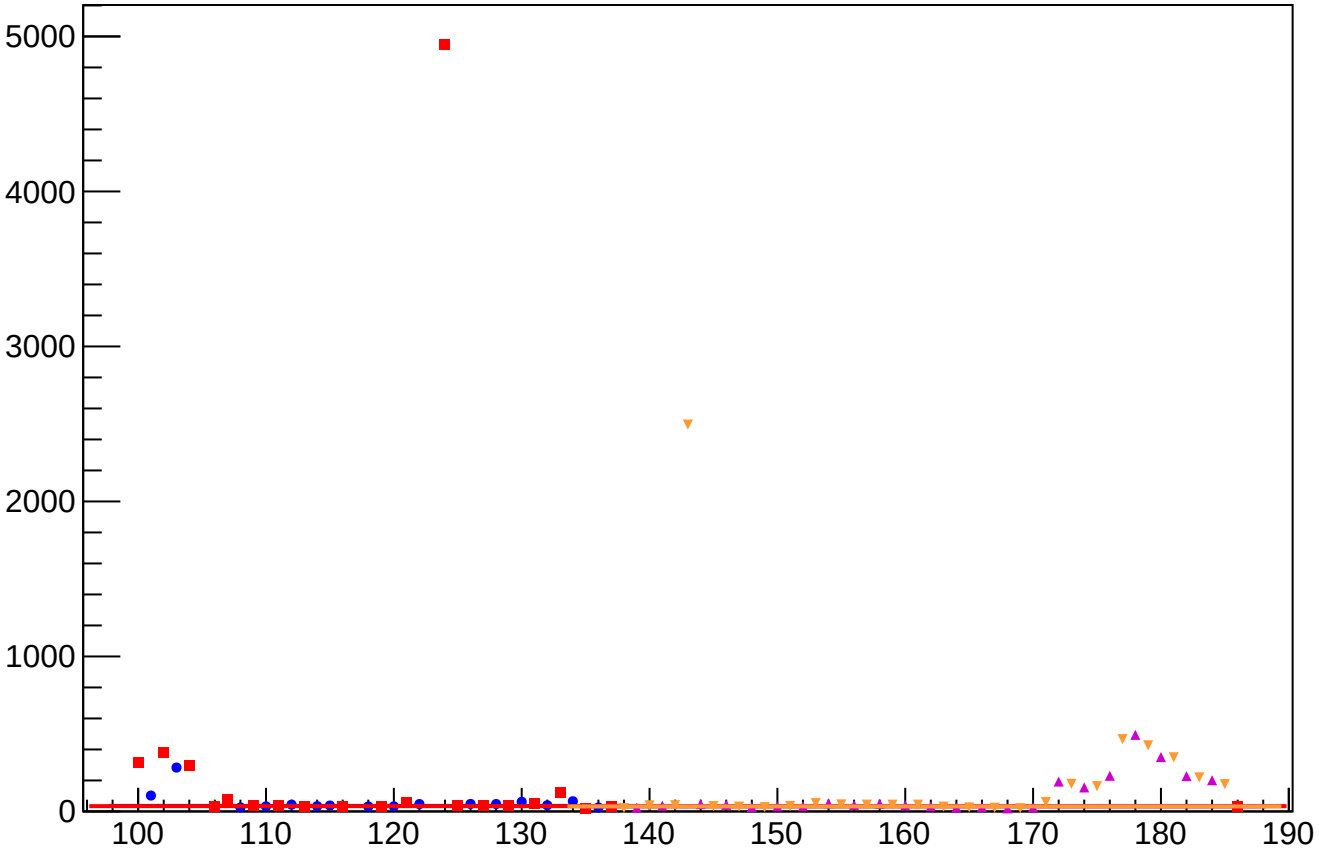
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.016+/-0.008 χ^2/NDF: 45.6/40

All: -0.010+/-0.006 χ^2/NDF: 77.6/83

\- 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: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

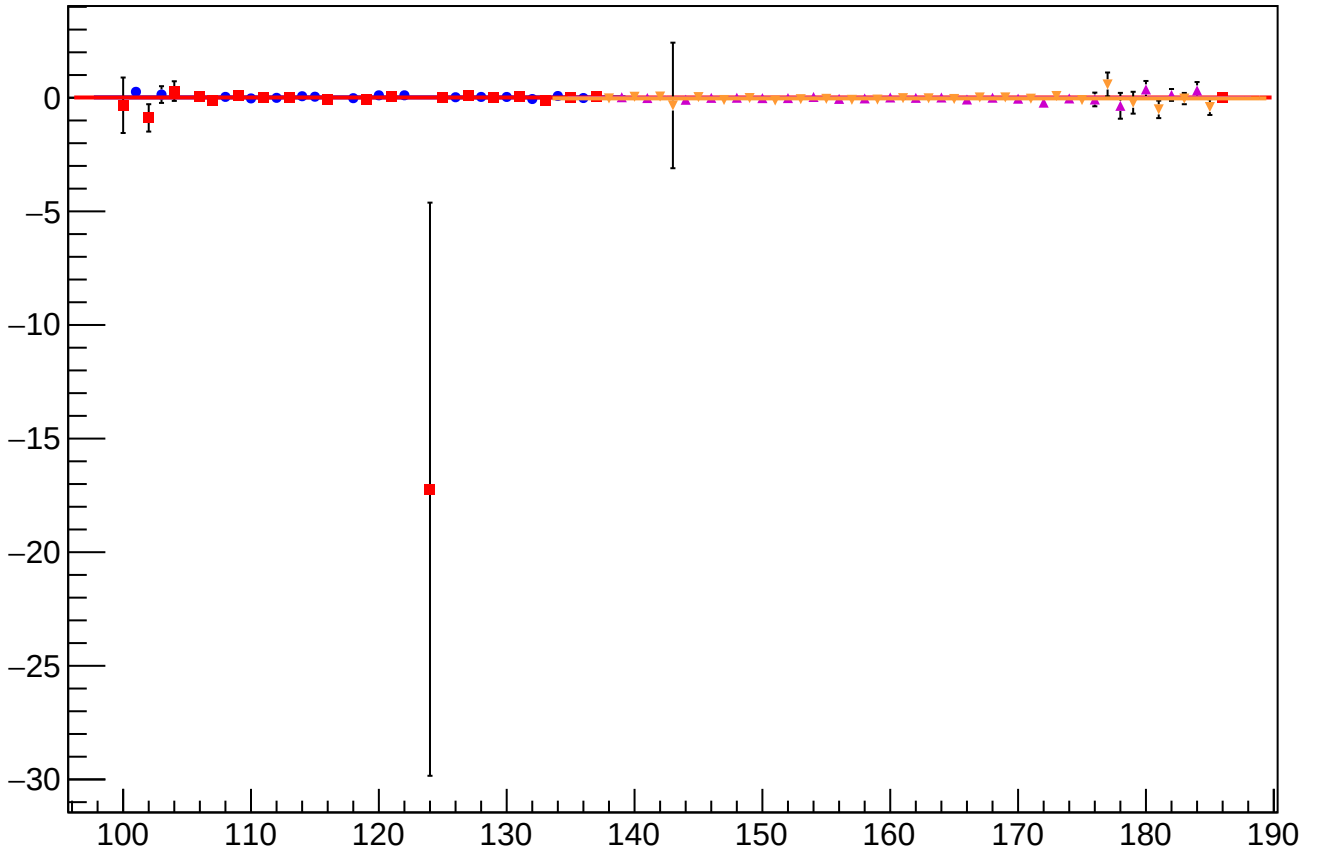
Right Out: 34.324+/-0.011 χ^2/NDF: 2937452.2/19

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

\+ sign 33.429+/-0.006 χ^2/NDF: 13198399.9/40

All: 33.310+/-0.004 χ^2/NDF: 25115913.6/83

\- sign 33.193+/-0.006 χ^2/NDF: 11916653.7/42



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

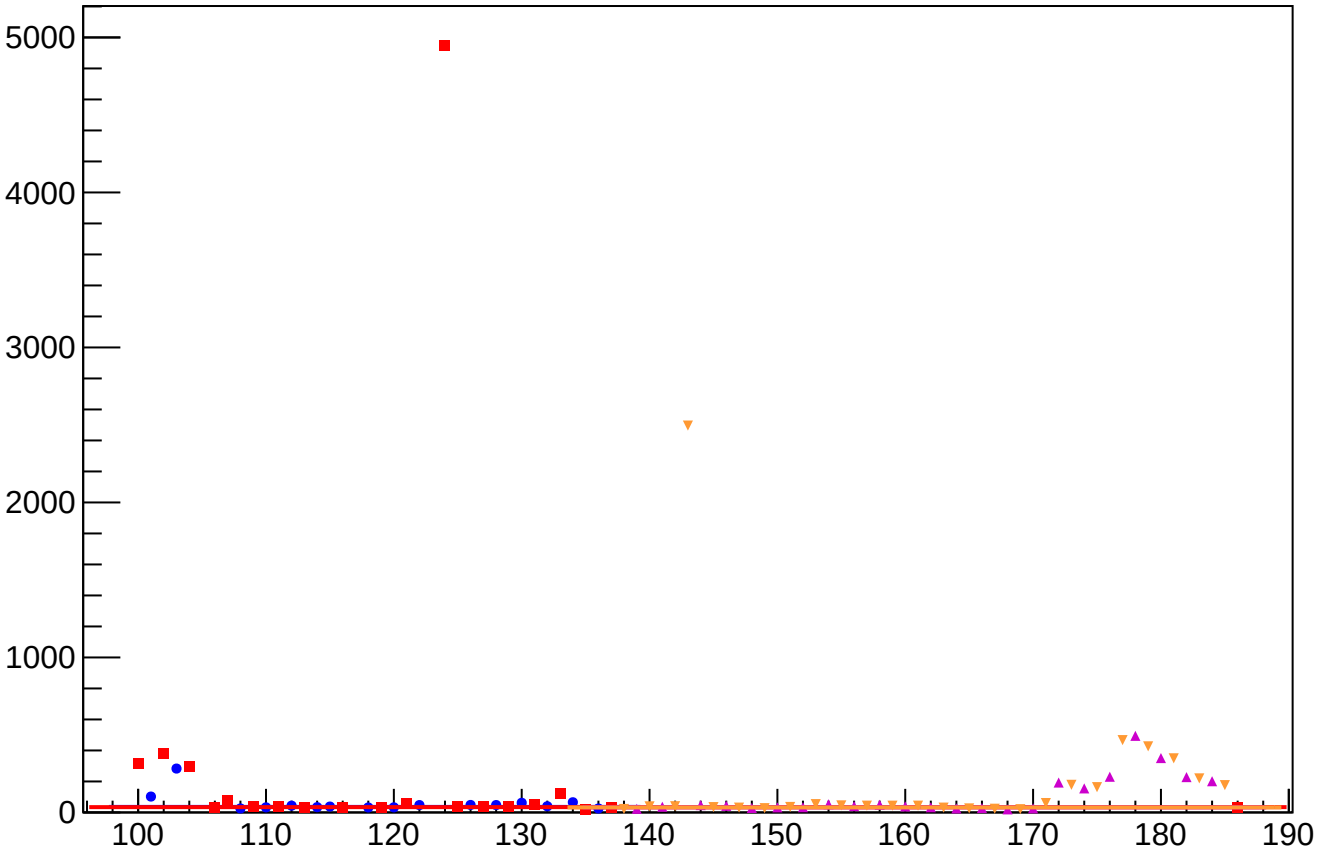
Right Out: 0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.6/40

All: -0.010+/-0.006 χ^2/NDF: 77.6/83

- sign -0.004+/-0.008 χ^2/NDF: 31.0/42



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

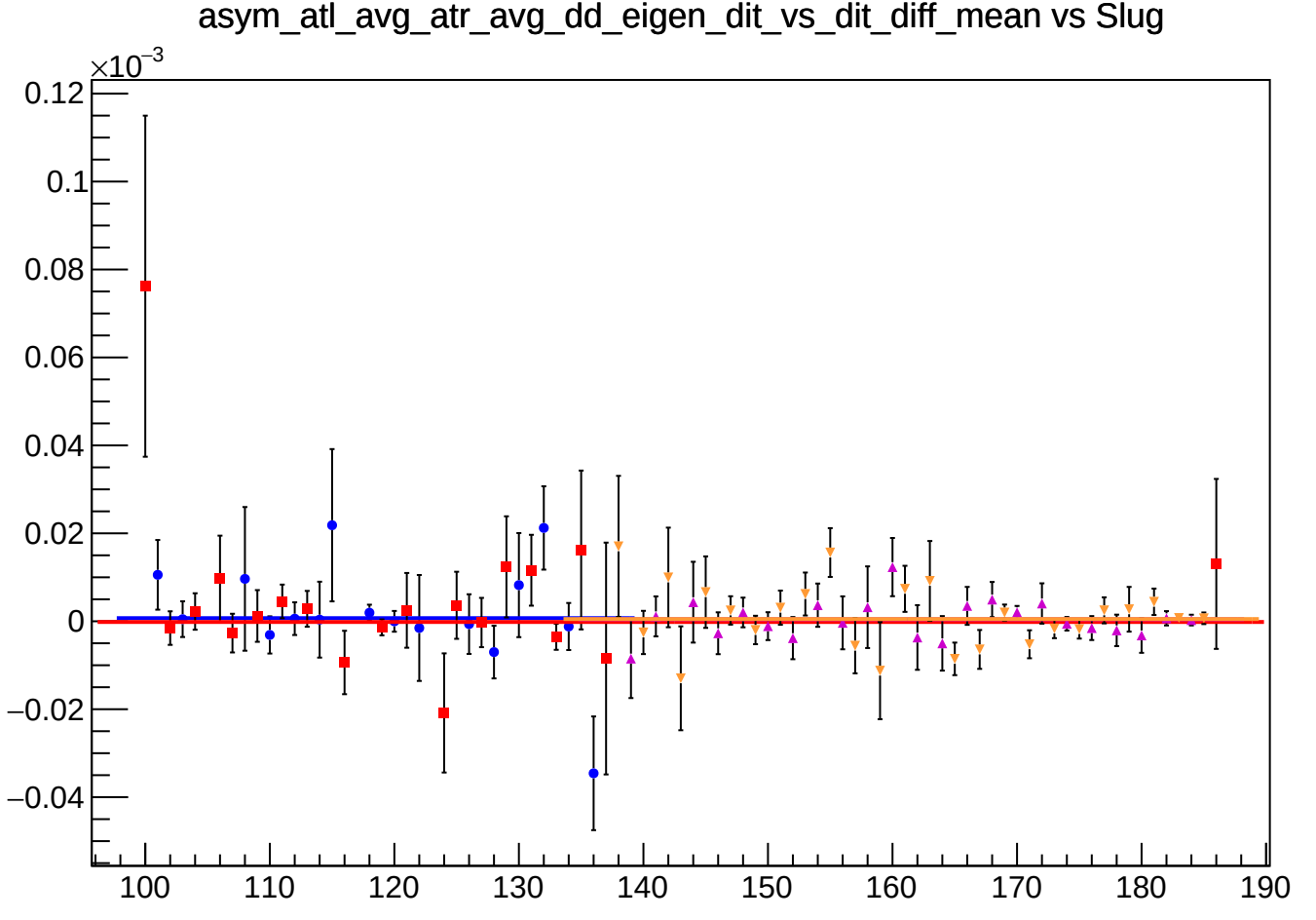
Right Out: 34.324+/-0.011 χ^2/NDF: 2937452.2/19

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.429+/-0.006 χ^2/NDF: 13198399.9/40

All: 33.310+/-0.004 χ^2/NDF: 25115913.6/83

- sign 33.193+/-0.006 χ^2/NDF: 11916653.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

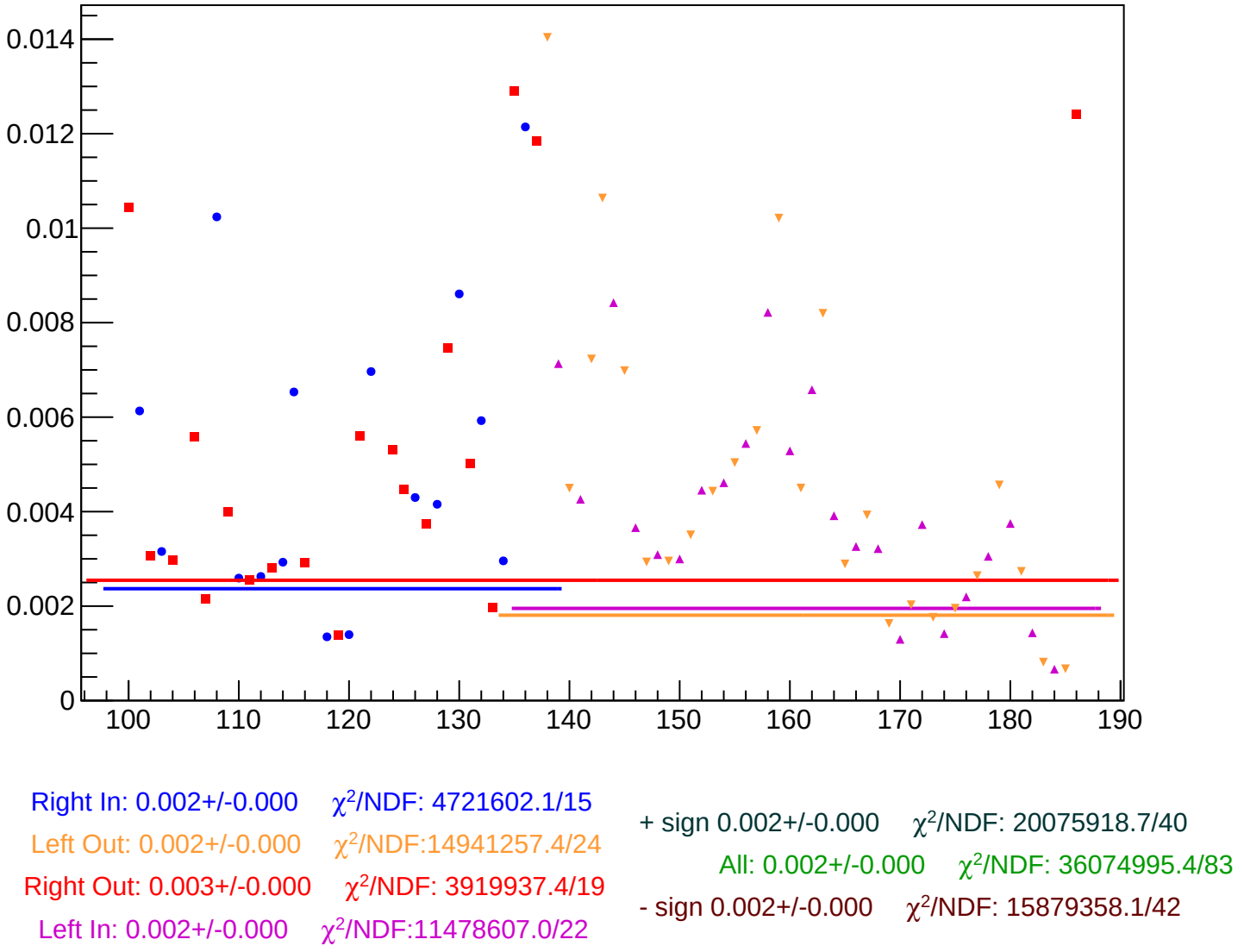
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/19

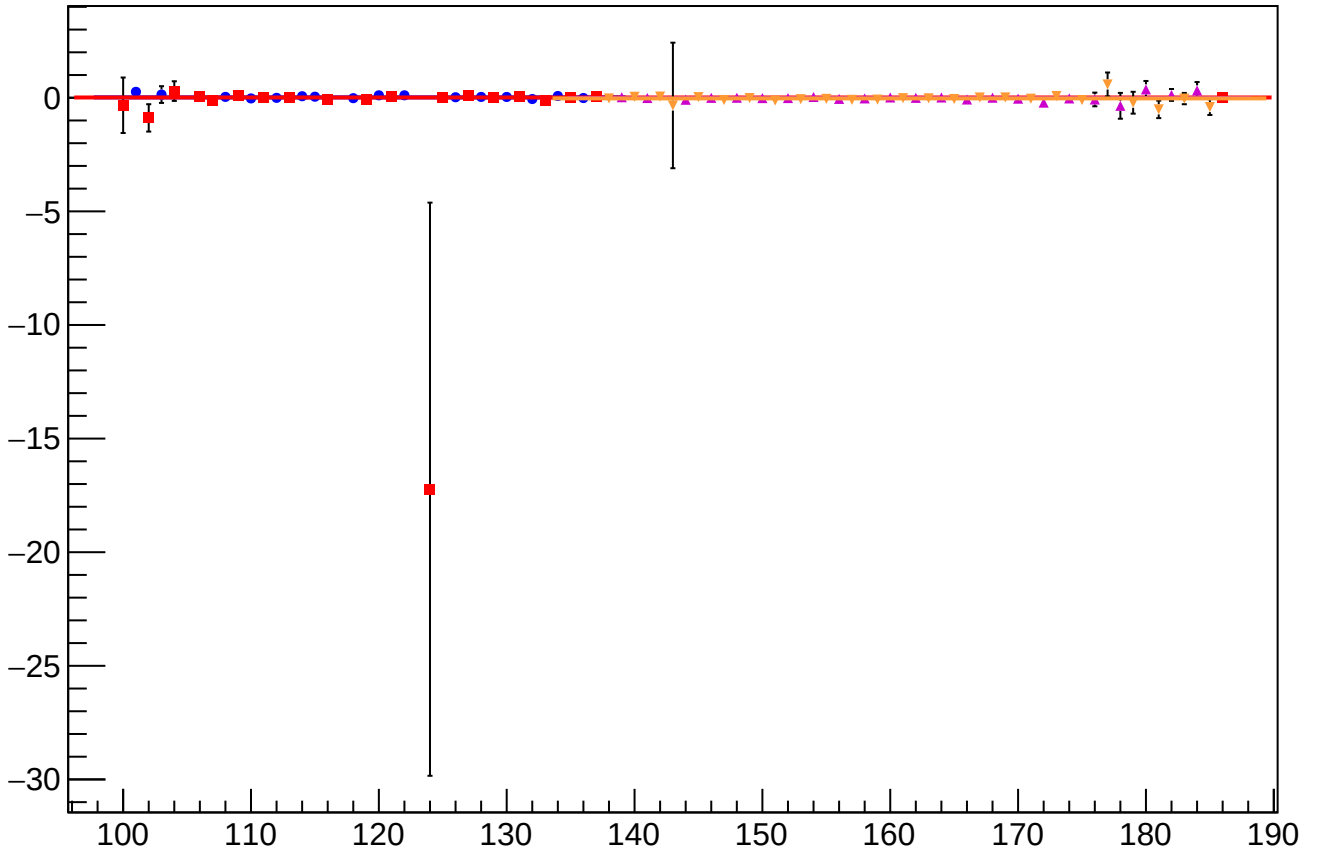
Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.8/40

All: 0.000+/-0.000 χ^2/NDF: 87.4/83

- sign 0.000+/-0.000 χ^2/NDF: 32.5/42


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
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: 4721602.1/15
Left Out: 0.002+/-0.000 χ²/NDF:14941257.4/24
Right Out: 0.003+/-0.000 χ²/NDF: 3919937.4/19
Left In: 0.002+/-0.000 χ²/NDF:11478607.0/22
+ sign 0.002+/-0.000 χ²/NDF: 20075918.7/40
All: 0.002+/-0.000 χ²/NDF: 36074995.4/83
- sign 0.002+/-0.000 χ²/NDF: 15879358.1/42



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

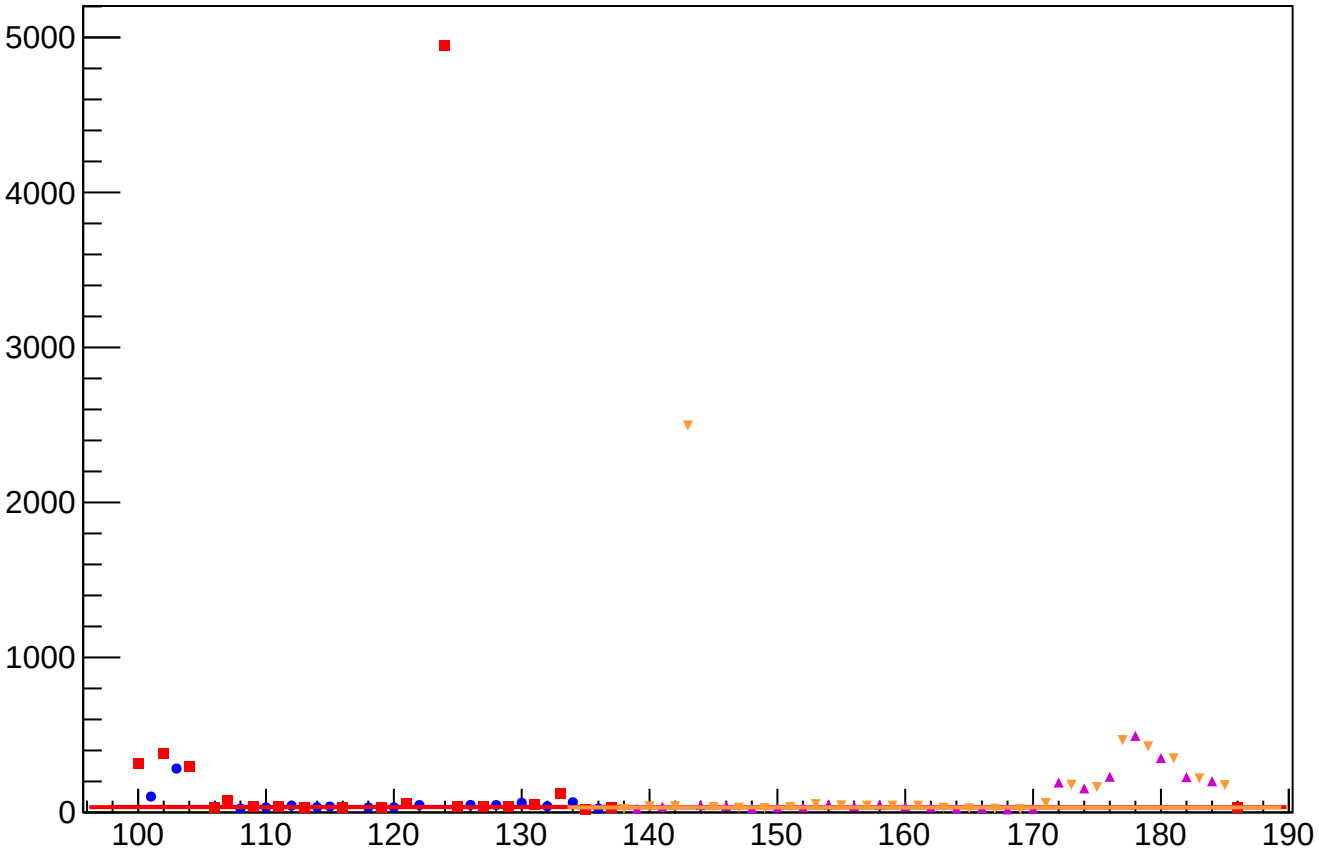
Right Out: 0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.016+/-0.008 χ^2/NDF: 45.6/40

All: -0.010+/-0.006 χ^2/NDF: 77.7/83

\- sign -0.004+/-0.008 χ^2/NDF: 31.0/42



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

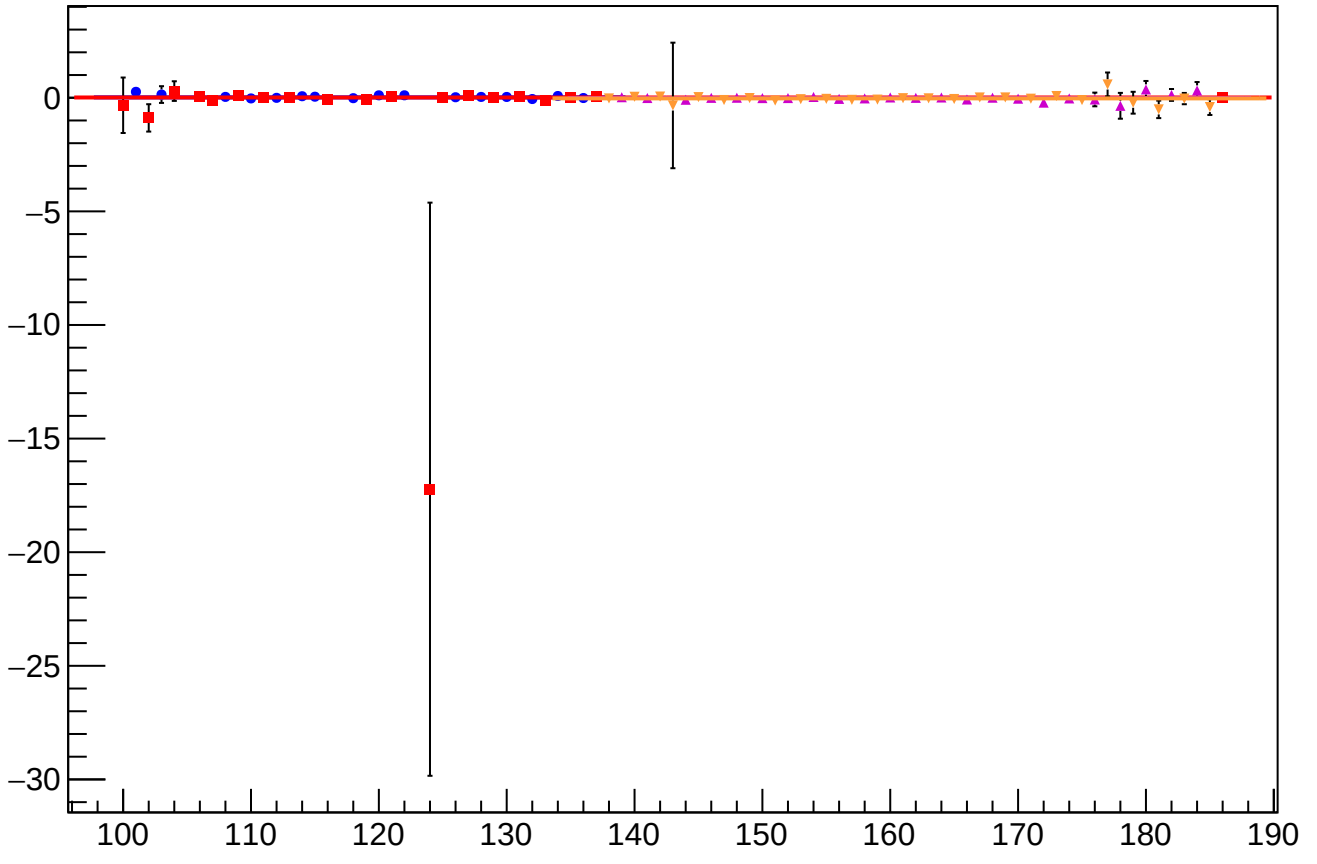
Right Out: 34.325+/-0.011 χ^2/NDF: 2937292.7/19

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.429+/-0.006 χ^2/NDF: 13198445.6/40

All: 33.309+/-0.004 χ^2/NDF: 25116481.7/83

- sign 33.192+/-0.006 χ^2/NDF: 11917169.0/42



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

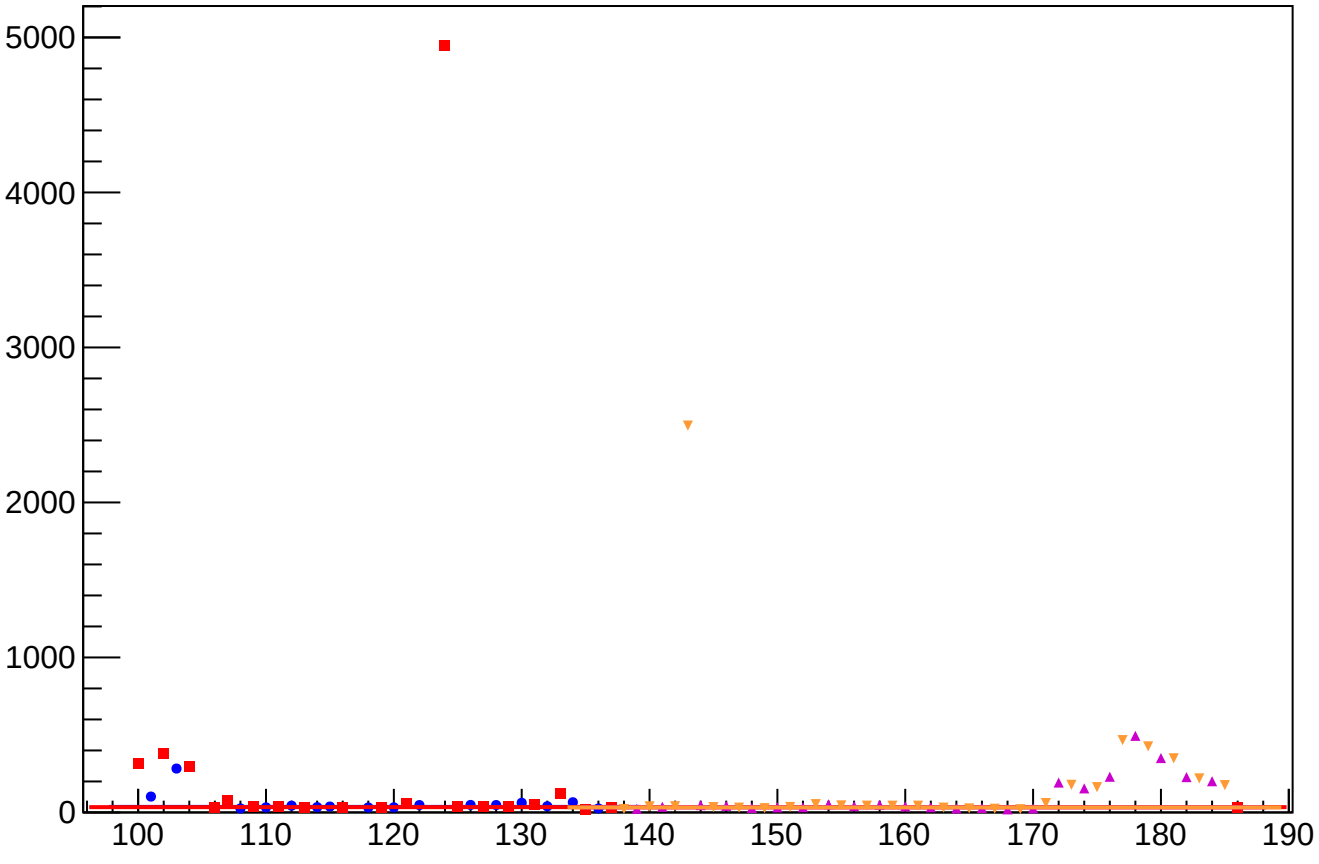
Right Out: 0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.6/40

All: -0.010+/-0.006 χ^2/NDF: 77.7/83

- sign -0.004+/-0.008 χ^2/NDF: 31.0/42



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

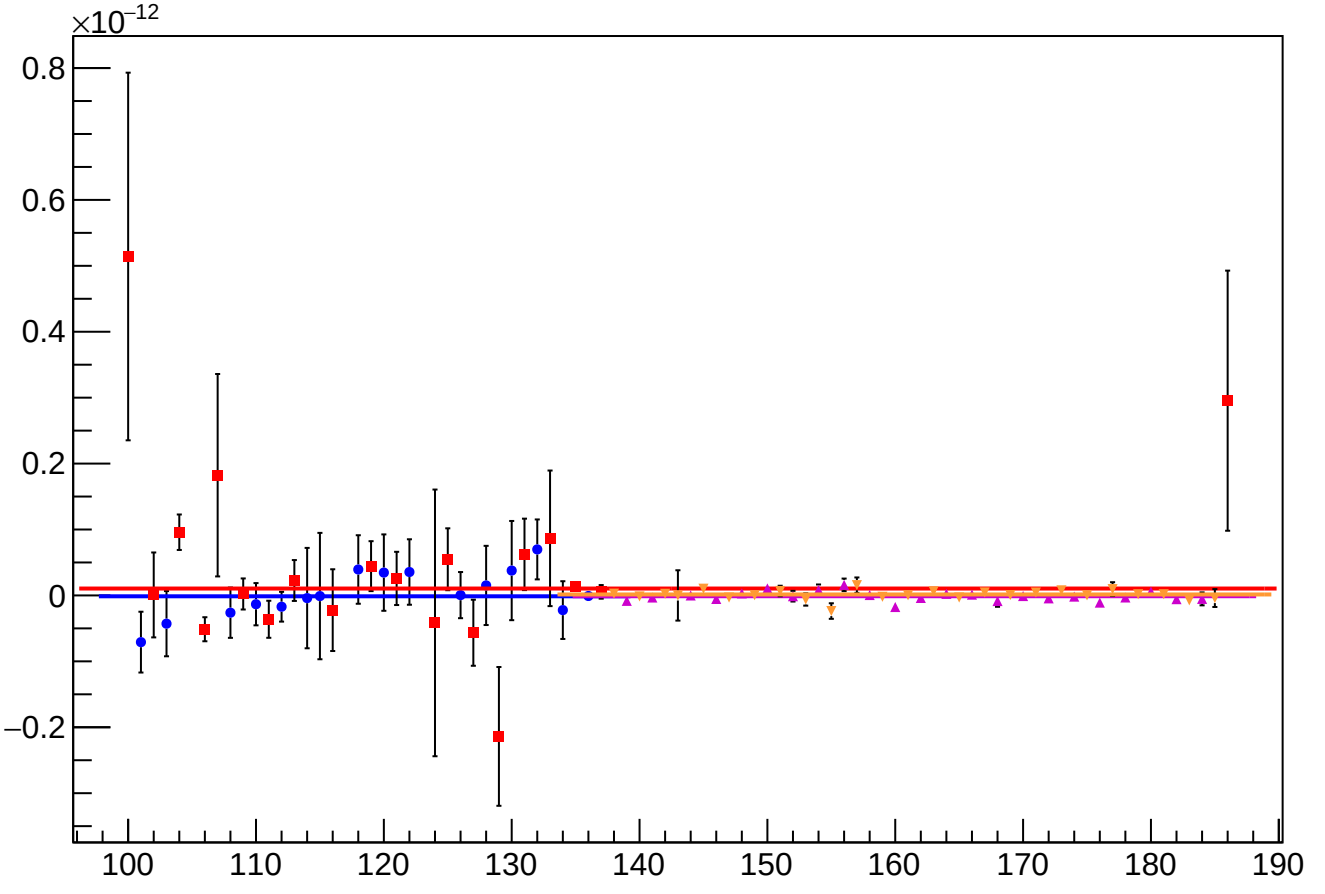
Right Out: 34.325+/-0.011 χ^2/NDF: 2937292.7/19

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.429+/-0.006 χ^2/NDF: 13198445.6/40

All: 33.309+/-0.004 χ^2/NDF: 25116481.7/83

- sign 33.192+/-0.006 χ^2/NDF: 11917169.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

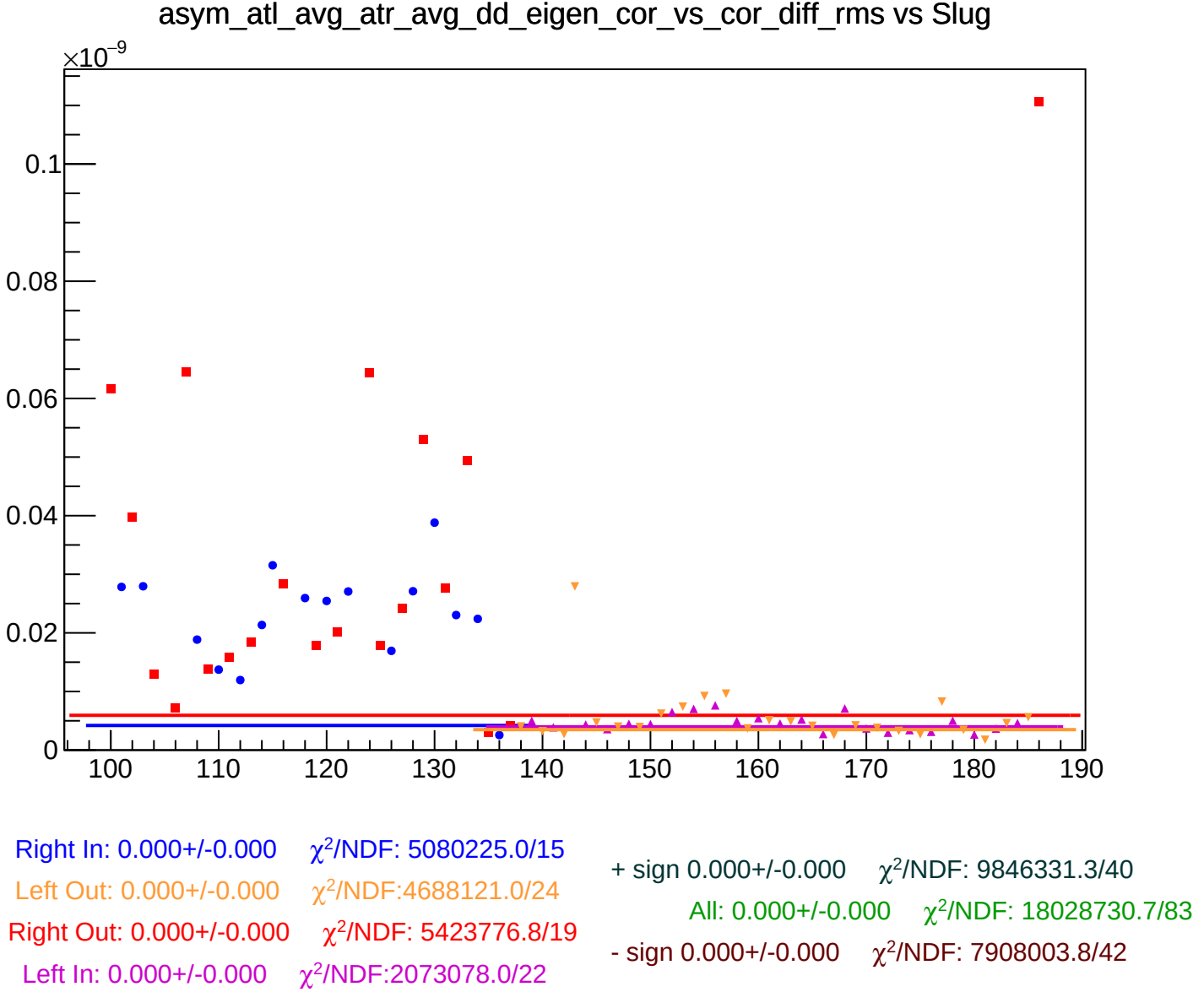
Right Out: 0.000+/-0.000 χ^2/NDF: 42.0/19

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

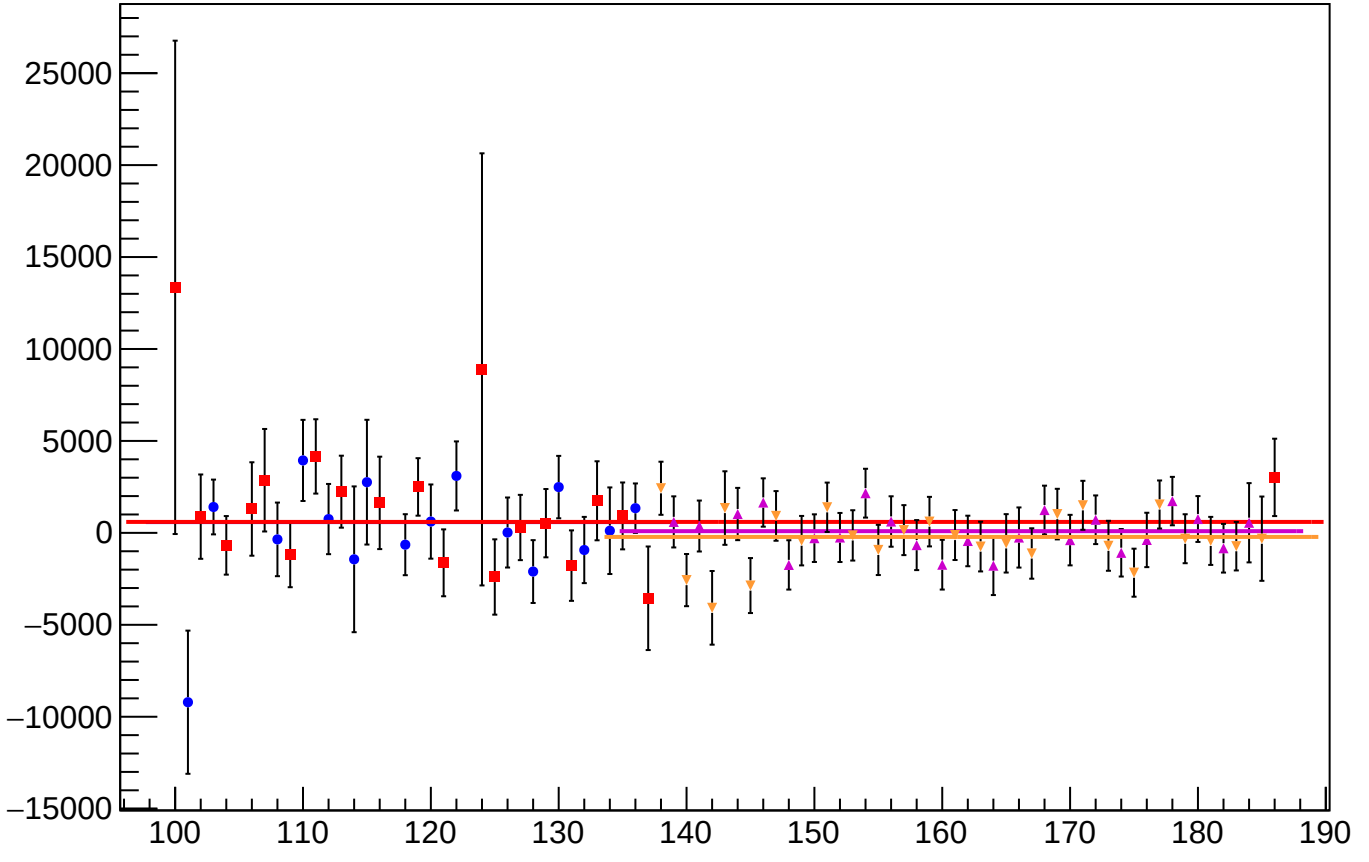
+ sign 0.000+/-0.000 χ^2/NDF: 27.3/40

All: 0.000+/-0.000 χ^2/NDF: 106.4/83

- sign -0.000+/-0.000 χ^2/NDF: 77.9/42


asym_atl_avg_atr_avg_dd_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: 5080225.0/15
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: 9846331.3/40
All: 0.000+/-0.000 χ²/NDF: 18028730.7/83
- sign 0.000+/-0.000 χ²/NDF: 7908003.8/42

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 595.367+/-468.449 χ^2/NDF: 18.2/19

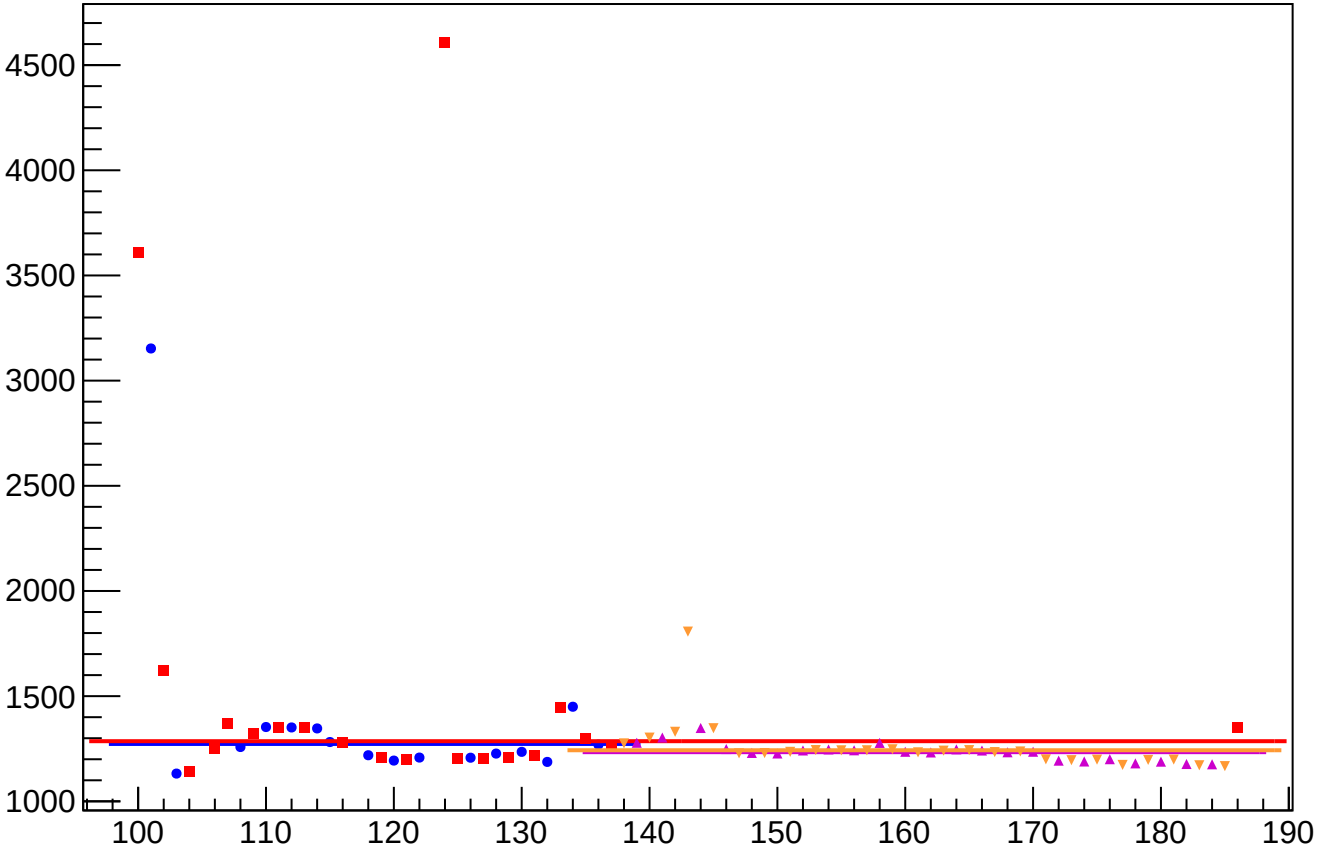
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -13.891+/-244.136 χ^2/NDF: 43.1/40

All: 107.642+/-173.102 χ^2/NDF: 77.3/83

- sign 230.514+/-245.476 χ^2/NDF: 33.8/42

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1285.878+/-0.331 χ^2/NDF: 324234.7/19

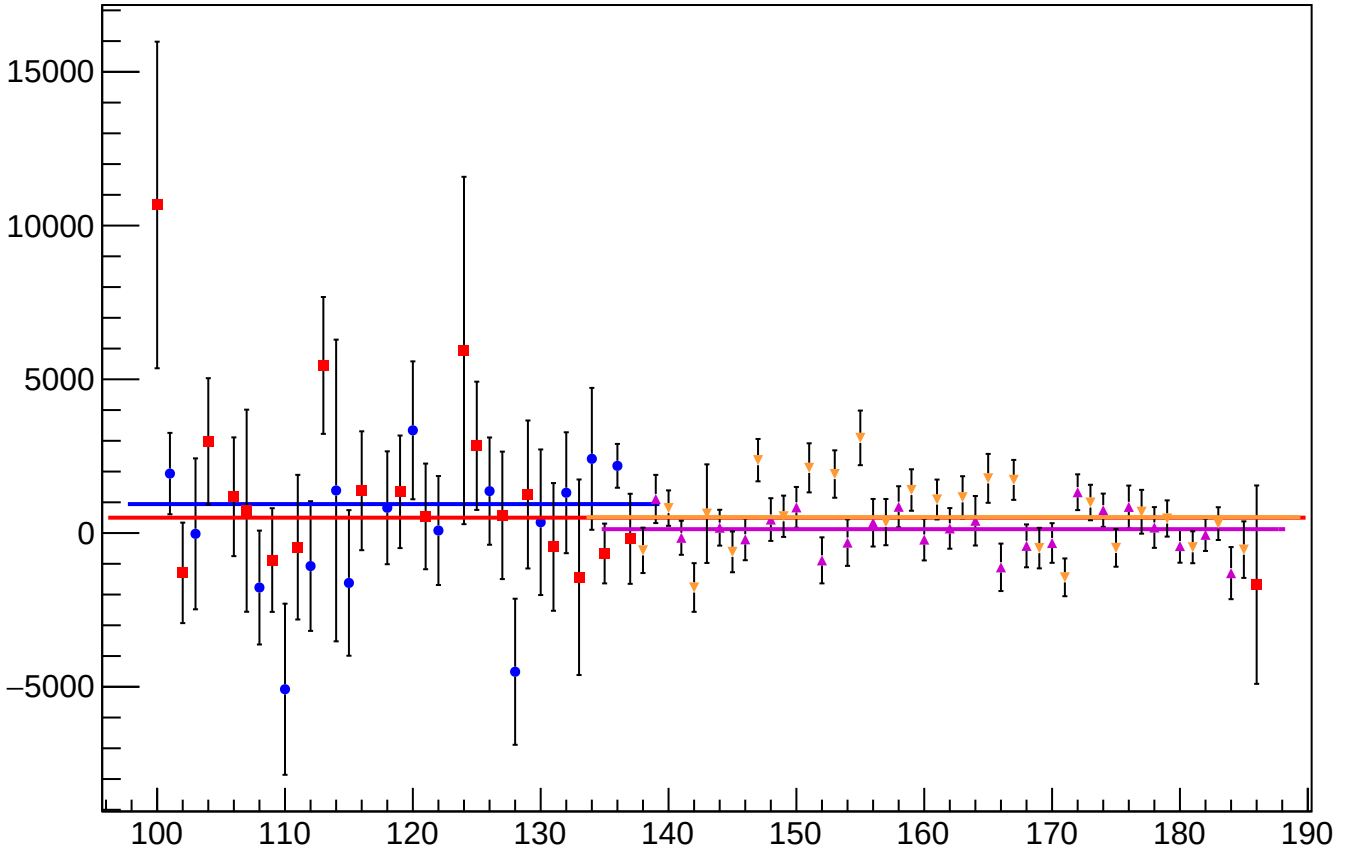
Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1250.502+/-0.173 χ^2/NDF: 728342.8/40

All: 1249.291+/-0.122 χ^2/NDF: 1109922.1/83

- sign 1248.066+/-0.174 χ^2/NDF: 381480.3/42

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 500.117+/-435.872 χ^2/NDF: 17.6/19

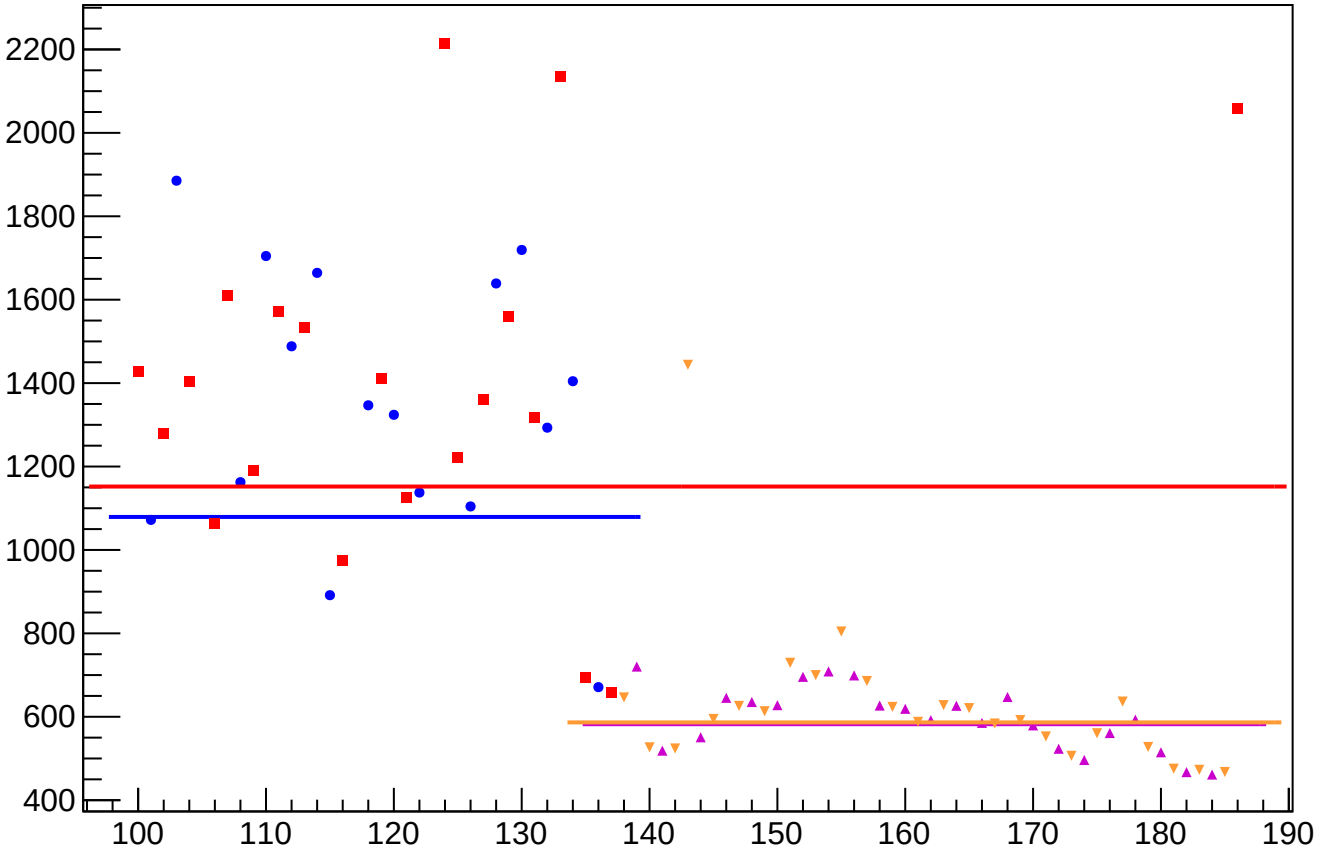
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 555.993+/-129.334 χ^2/NDF: 87.8/40

All: 360.556+/-92.011 χ^2/NDF: 132.3/83

- sign 160.274+/-130.927 χ^2/NDF: 39.9/42

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1152.023+/-0.308 χ^2/NDF: 1454083.5/19

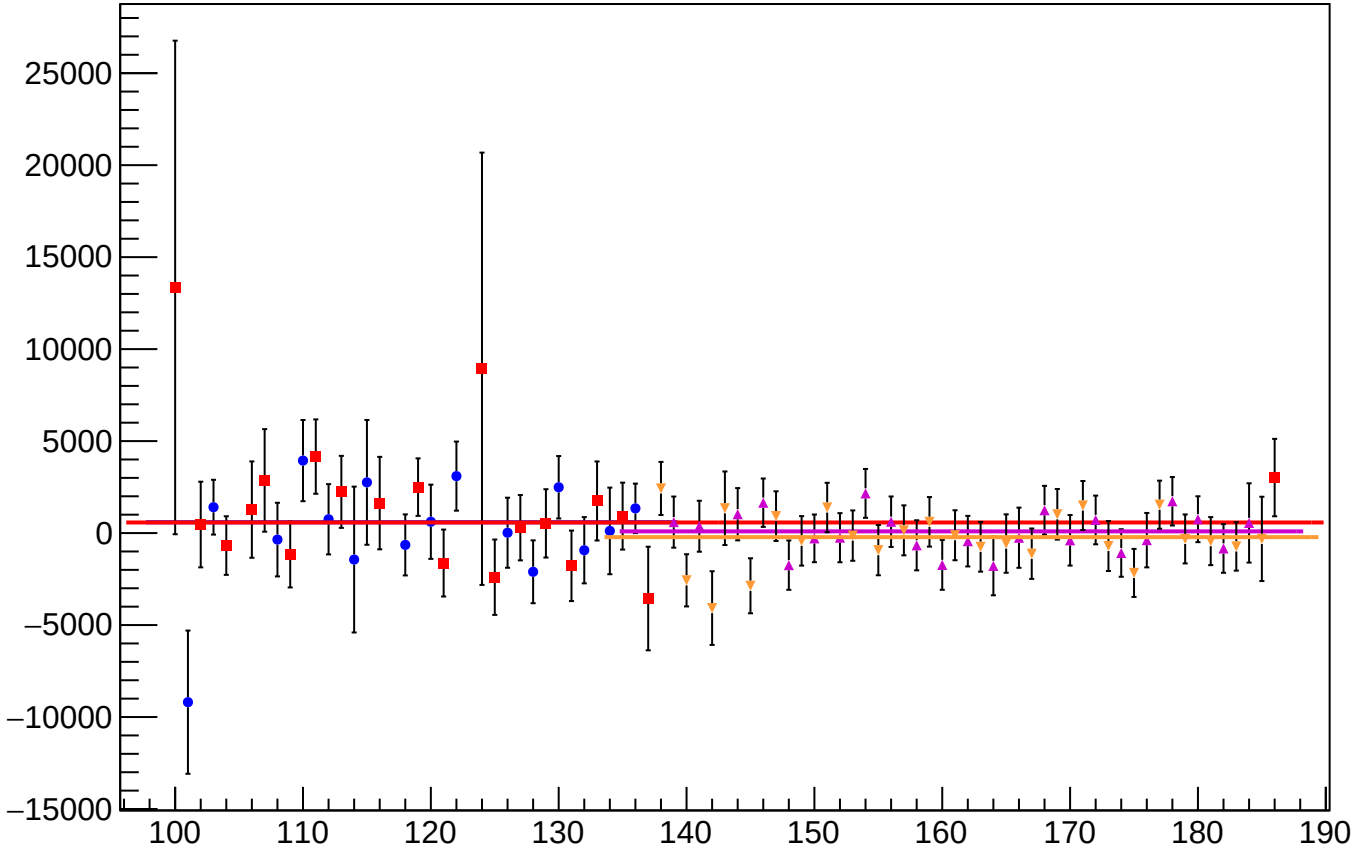
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 631.993+/-0.091 χ^2/NDF: 5114191.2/40

All: 632.789+/-0.065 χ^2/NDF: 10237547.5/83

- sign 633.605+/-0.093 χ^2/NDF: 5123202.8/42

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 576.199+/-469.207 χ^2/NDF: 18.2/19

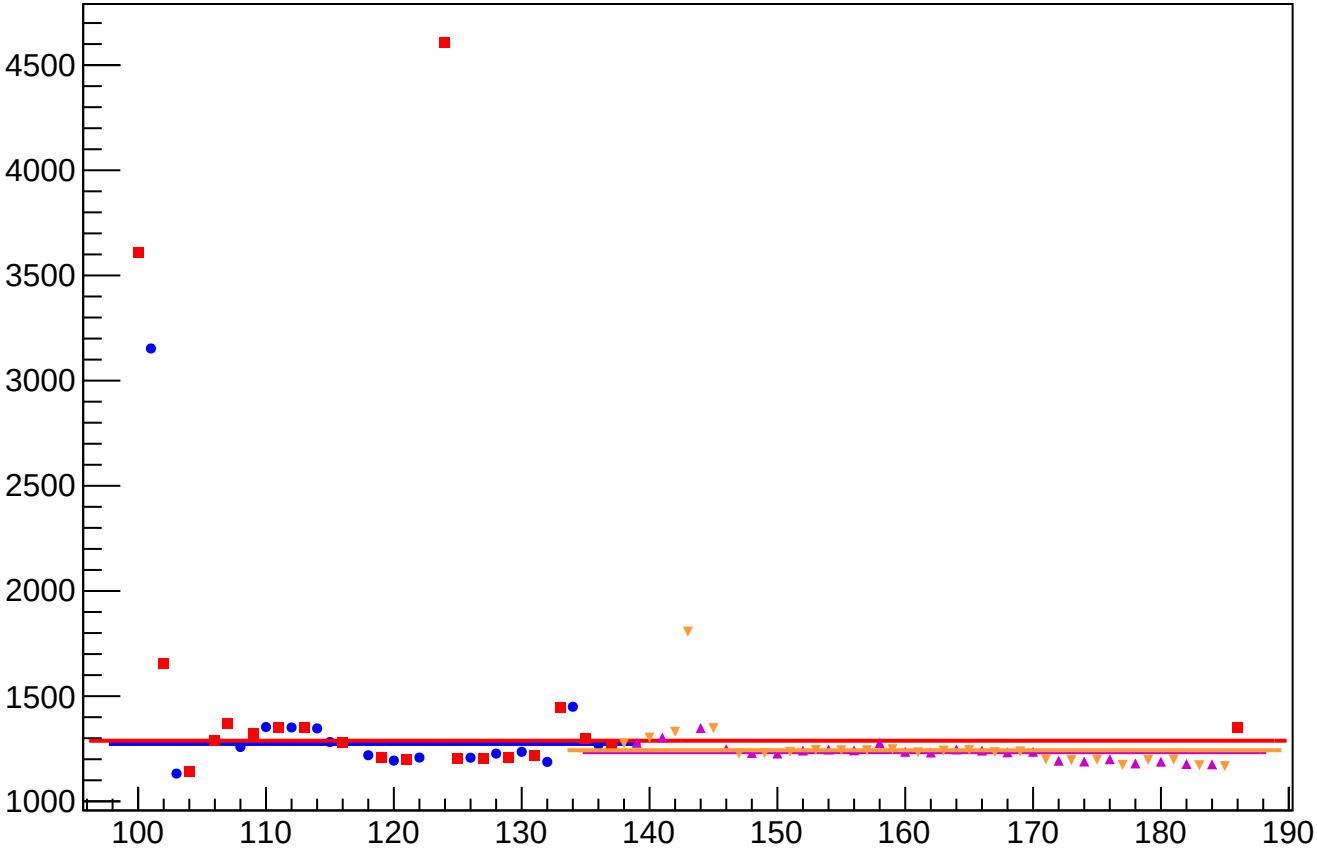
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -13.835+/-244.136 χ^2/NDF: 43.1/40

All: 104.871+/-173.140 χ^2/NDF: 77.2/83

- sign 224.990+/-245.585 χ^2/NDF: 33.7/42

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

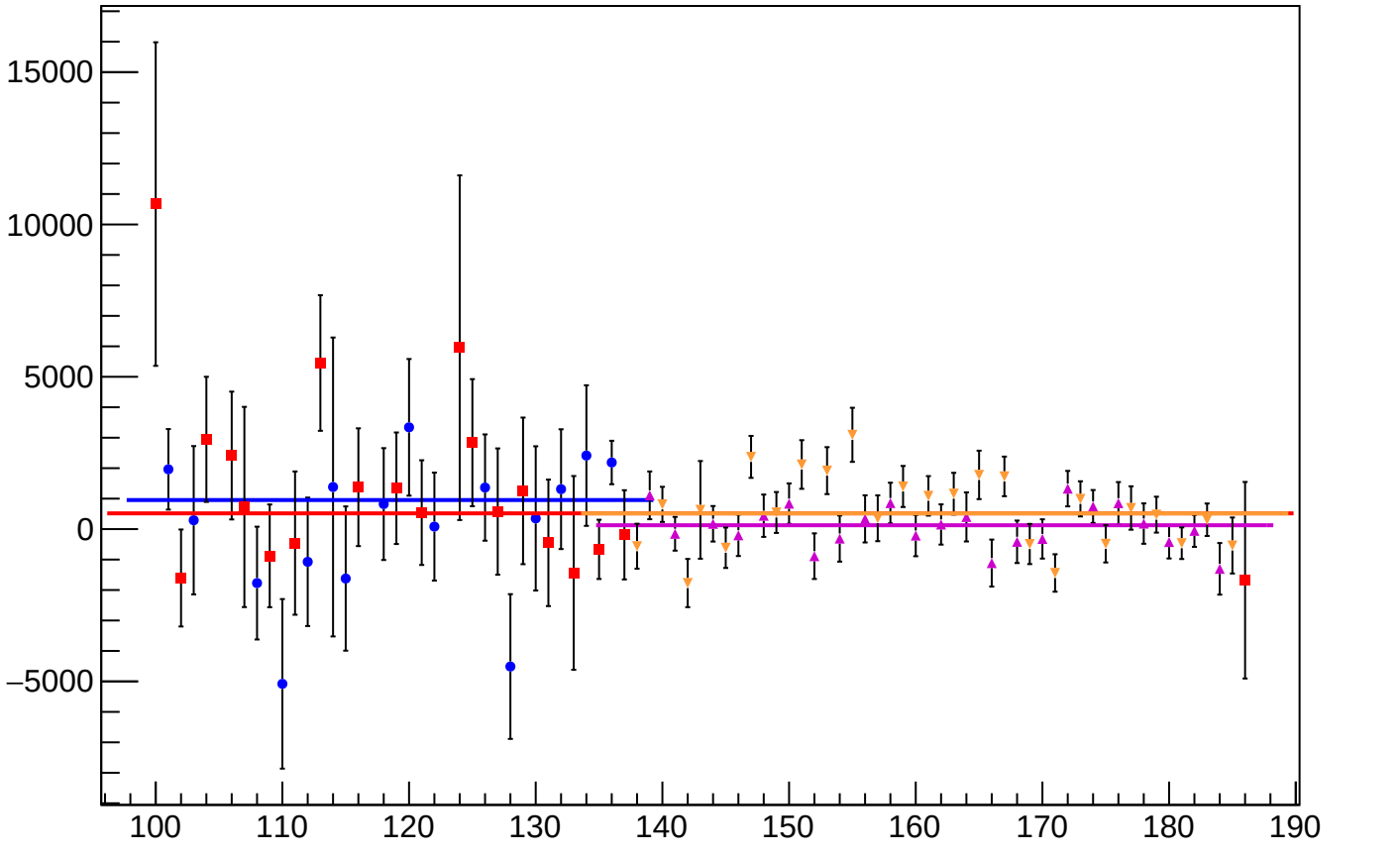
Right Out: 1288.065+/-0.332 χ^2/NDF: 330753.6/19

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.502+/-0.173 χ^2/NDF: 728344.1/40

All: 1249.572+/-0.122 χ^2/NDF: 1117894.8/83

- sign 1248.632+/-0.174 χ^2/NDF: 389492.4/42



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: 516.958+/-436.701 χ^2/NDF: 18.9/19

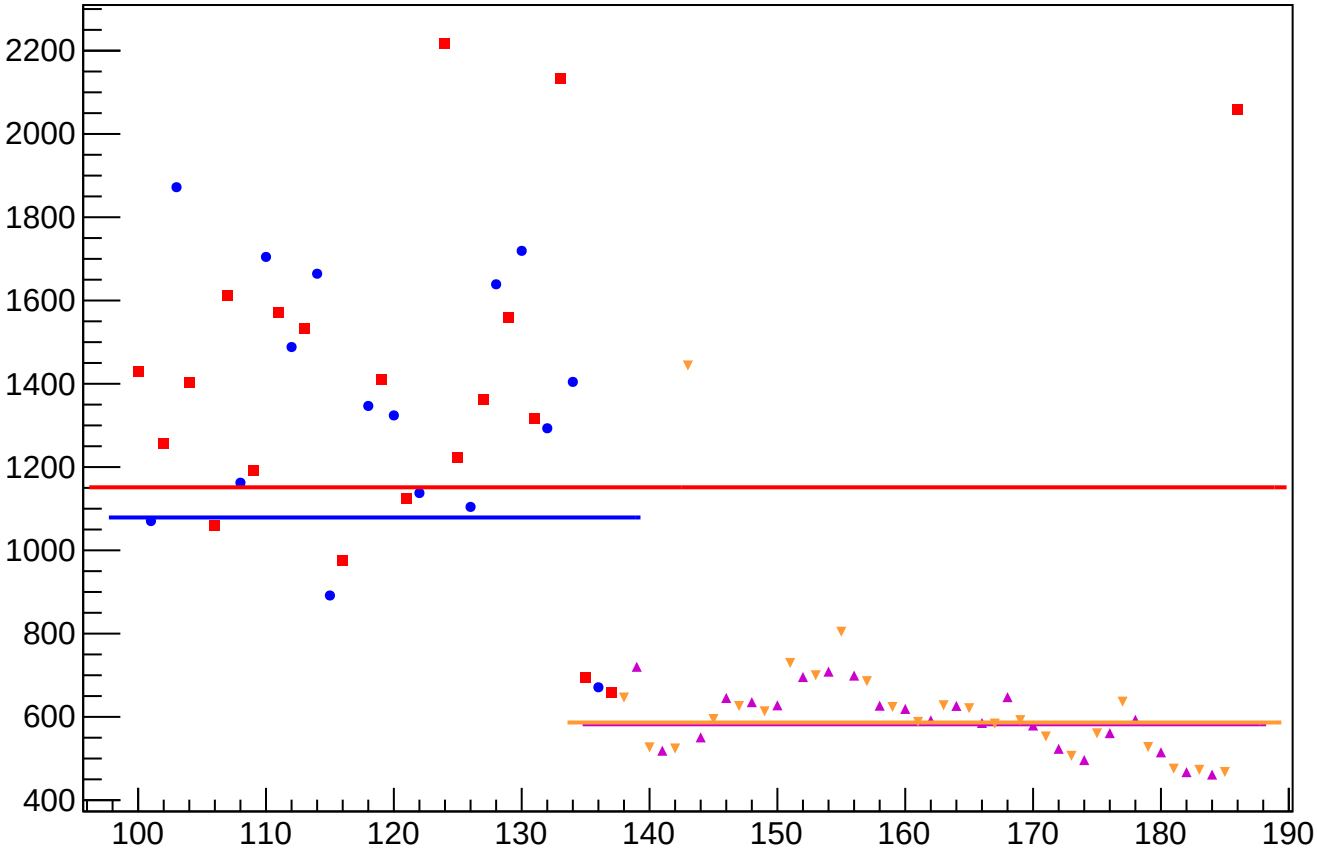
Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 557.184+/-129.330 χ^2/NDF: 87.8/40

All: 361.880+/-92.017 χ^2/NDF: 133.6/83

- sign 161.653+/-130.949 χ^2/NDF: 41.1/42

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

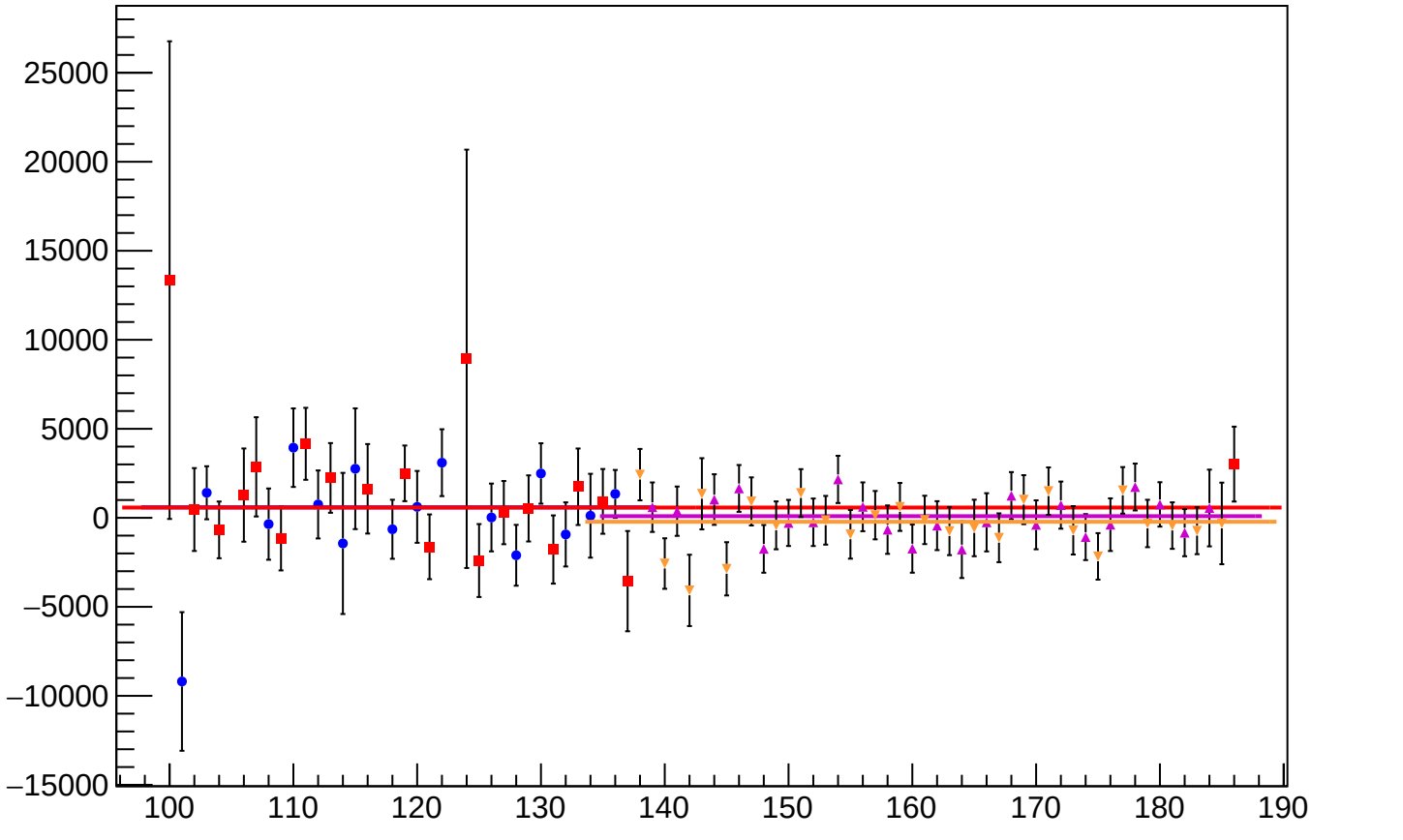
Right Out: 1151.368+/-0.309 χ^2/NDF: 1450142.8/19

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 632.015+/-0.091 χ^2/NDF: 5110511.2/40

All: 632.682+/-0.065 χ^2/NDF: 10212031.2/83

- sign 633.367+/-0.093 χ^2/NDF: 5101412.0/42



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 576.199+/-469.207 χ^2/NDF: 18.2/19

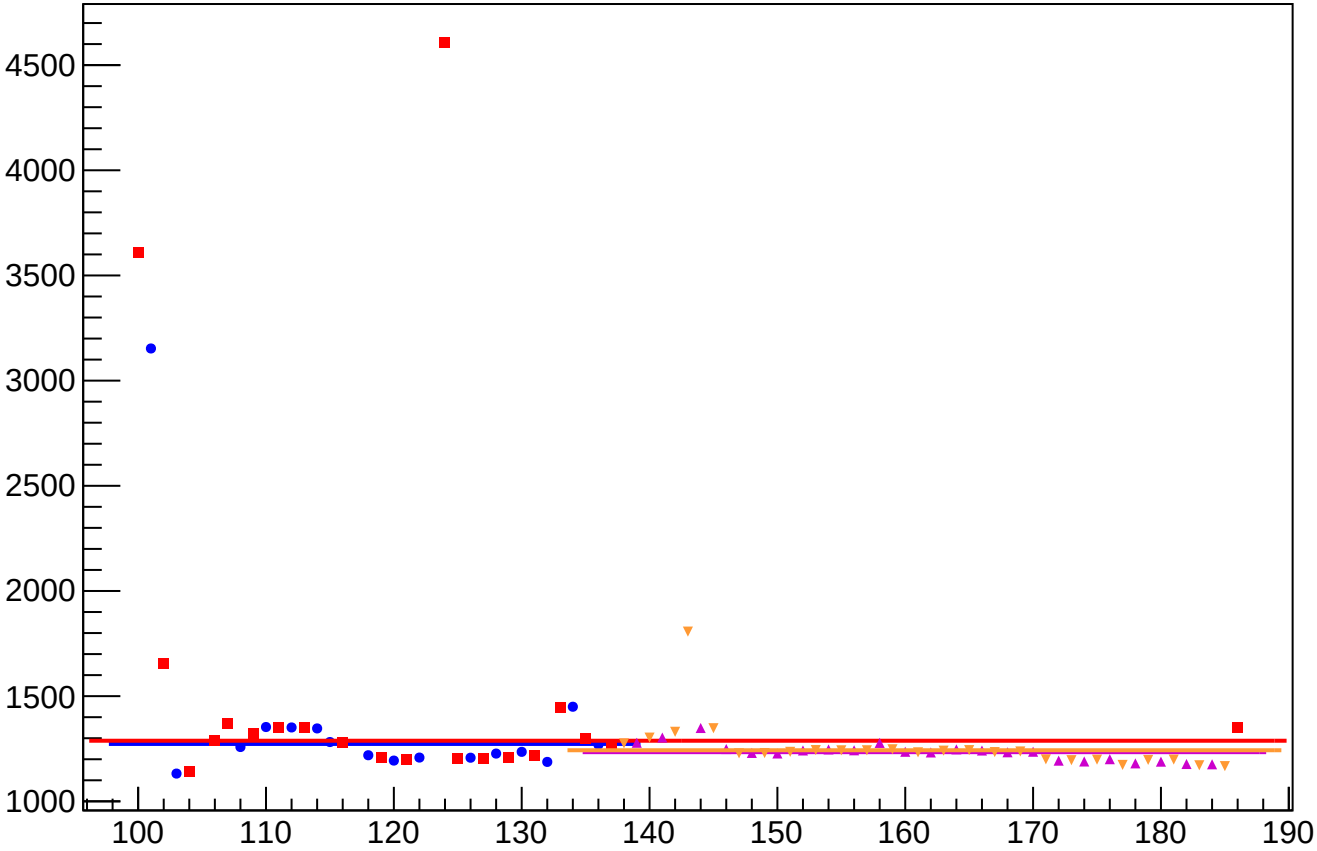
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -13.835+/-244.136 χ^2/NDF: 43.1/40

All: 104.871+/-173.140 χ^2/NDF: 77.2/83

- sign 224.990+/-245.585 χ^2/NDF: 33.7/42

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

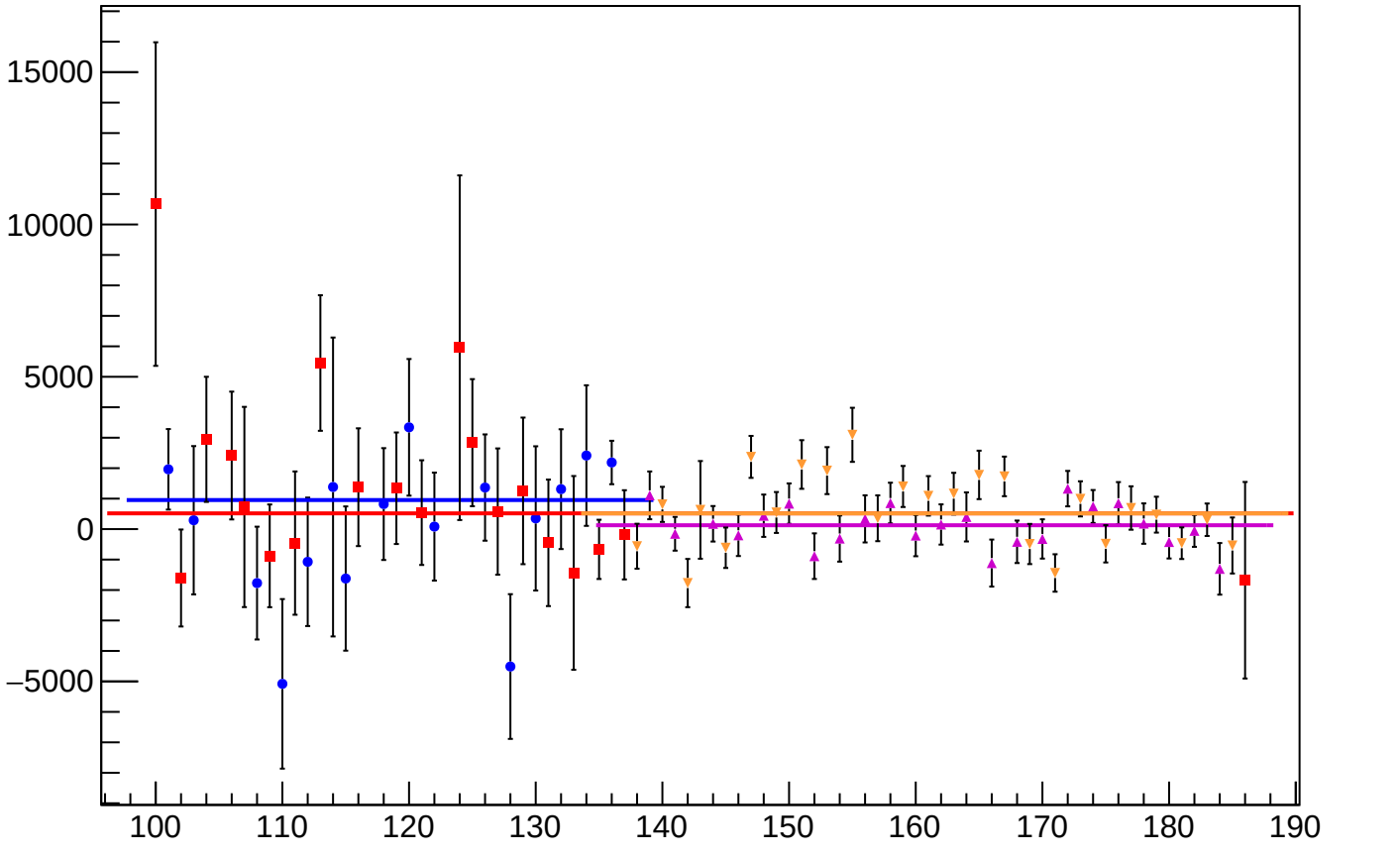
Right Out: 1288.065+/-0.332 χ^2/NDF: 330753.6/19

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.502+/-0.173 χ^2/NDF: 728344.1/40

All: 1249.572+/-0.122 χ^2/NDF: 1117894.8/83

- sign 1248.632+/-0.174 χ^2/NDF: 389492.4/42



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

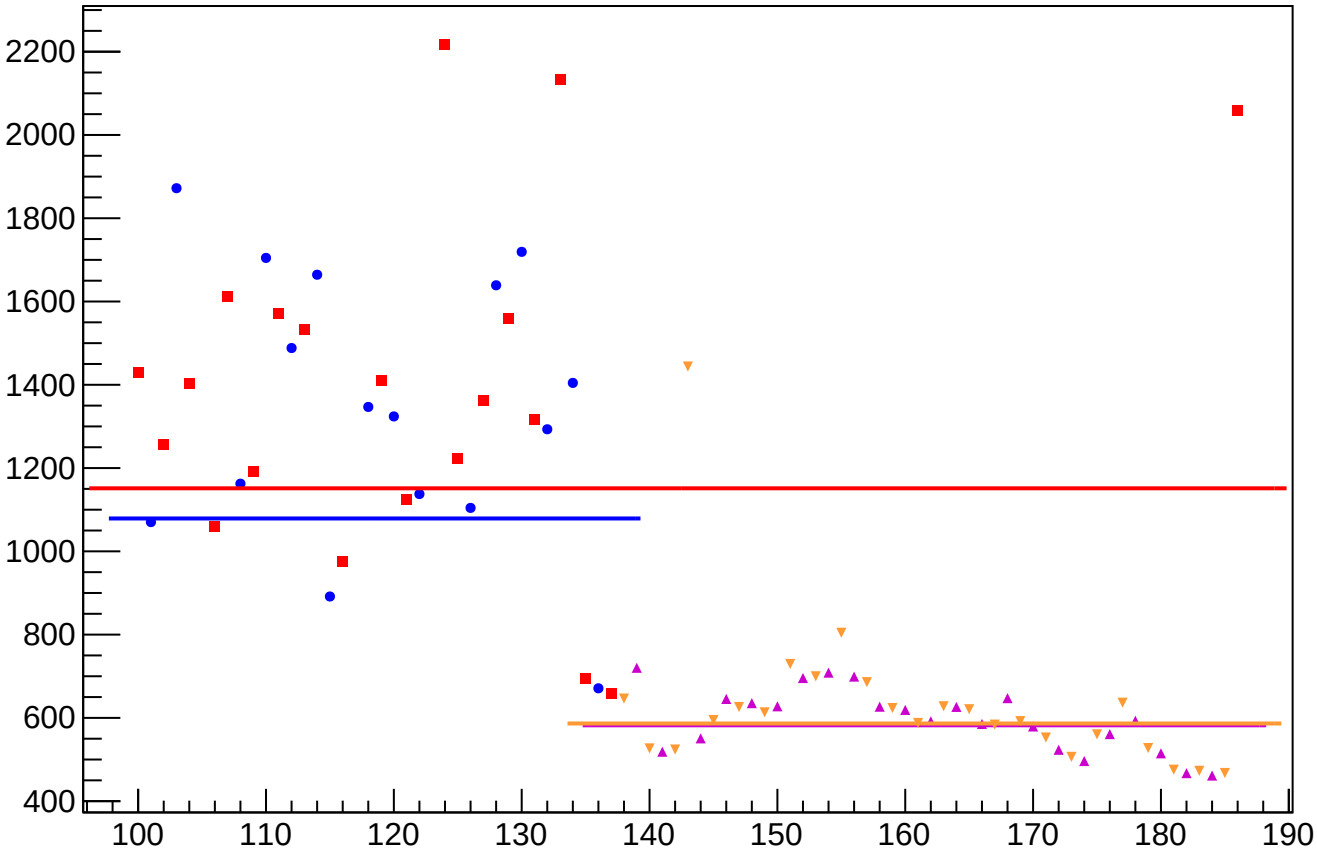
Right Out: 516.958+/-436.701 χ^2/NDF: 18.9/19

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 557.184+/-129.330 χ^2/NDF: 87.8/40

All: 361.880+/-92.017 χ^2/NDF: 133.6/83

- sign 161.653+/-130.949 χ^2/NDF: 41.1/42



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1151.368+/-0.309 χ^2/NDF: 1450142.8/19

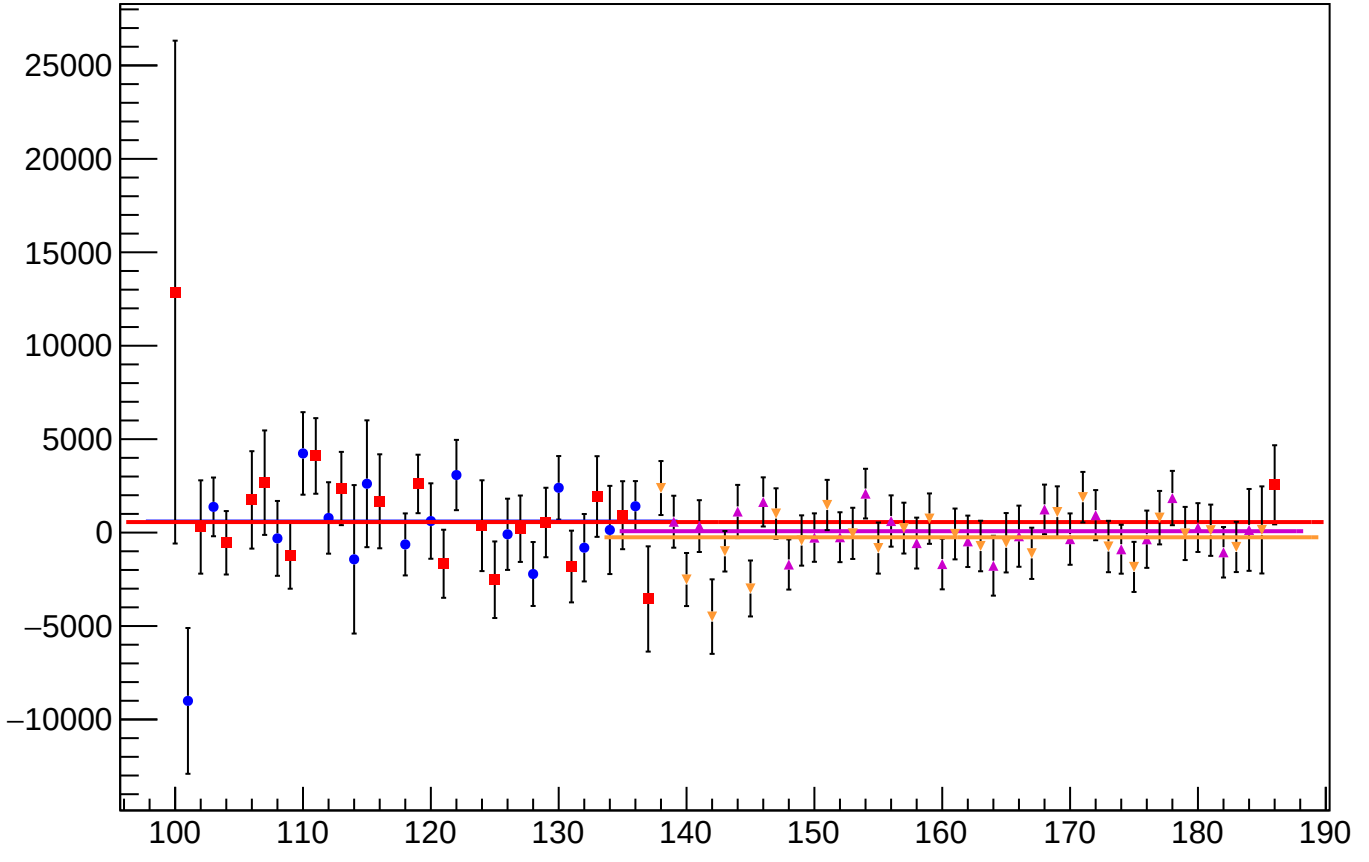
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 632.015+/-0.091 χ^2/NDF: 5110511.2/40

All: 632.682+/-0.065 χ^2/NDF: 10212031.2/83

- sign 633.367+/-0.093 χ^2/NDF: 5101412.0/42

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 563.764+/-465.143 χ^2/NDF: 17.6/19

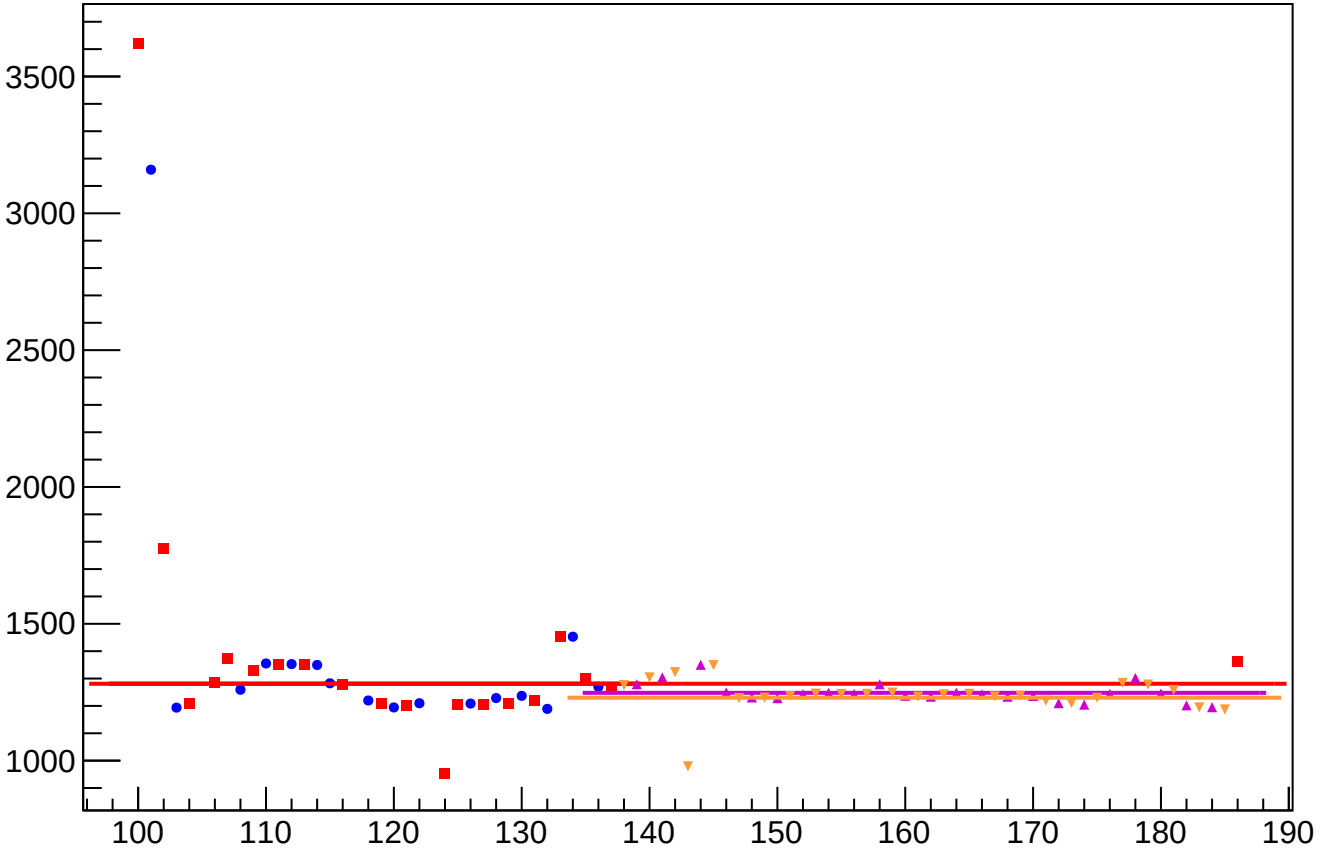
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -40.974+/-242.500 χ^2/NDF: 43.4/40

All: 83.549+/-173.035 χ^2/NDF: 76.4/83

- sign 212.713+/-246.978 χ^2/NDF: 32.4/42

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

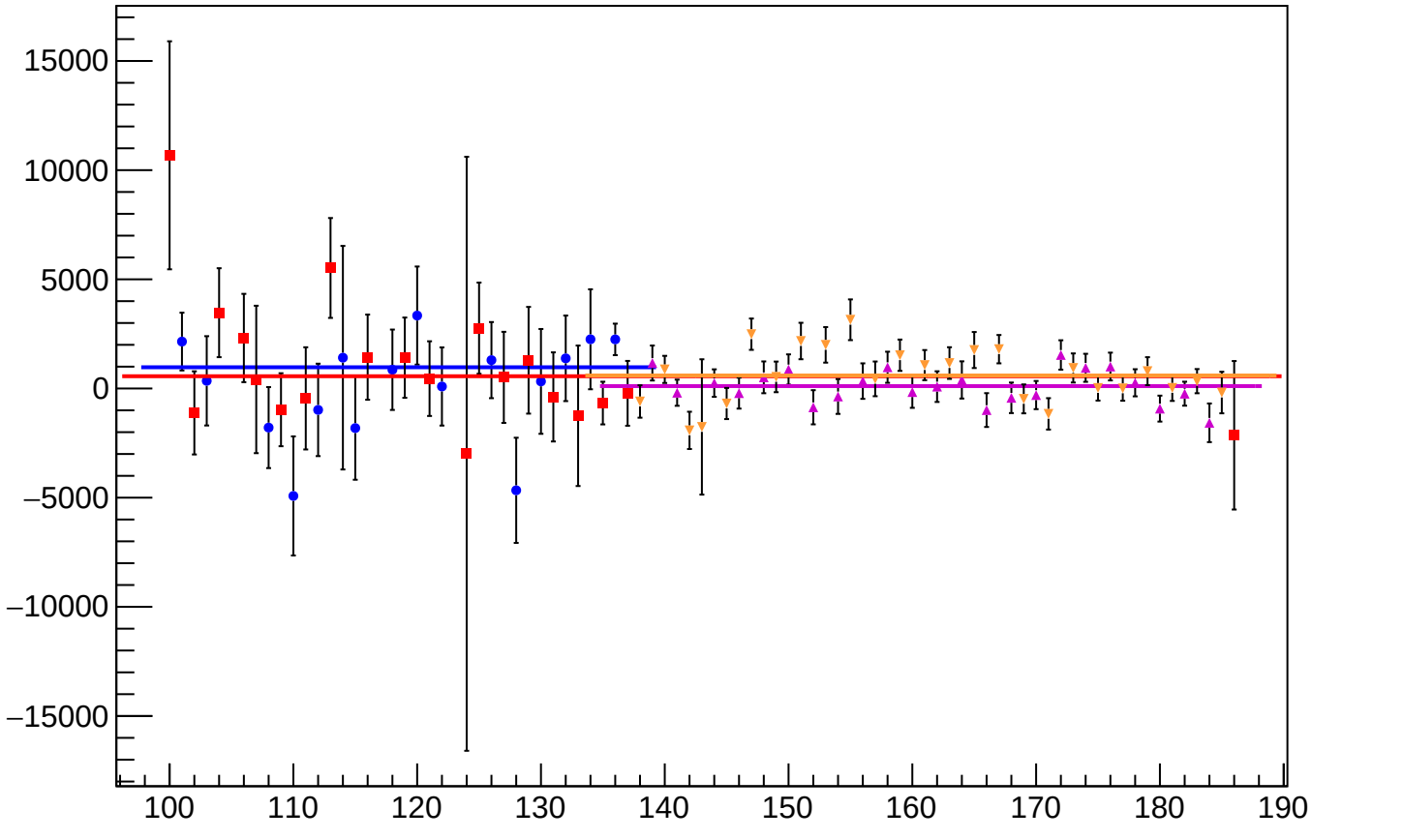
Right Out: 1280.962+/-0.329 χ^2/NDF: 223579.4/19

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1242.806+/-0.171 χ^2/NDF: 665499.7/40

All: 1249.841+/-0.122 χ^2/NDF: 927155.2/83

- sign 1257.139+/-0.175 χ^2/NDF: 258226.3/42



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 561.548+/-443.903 χ^2/NDF: 17.8/19

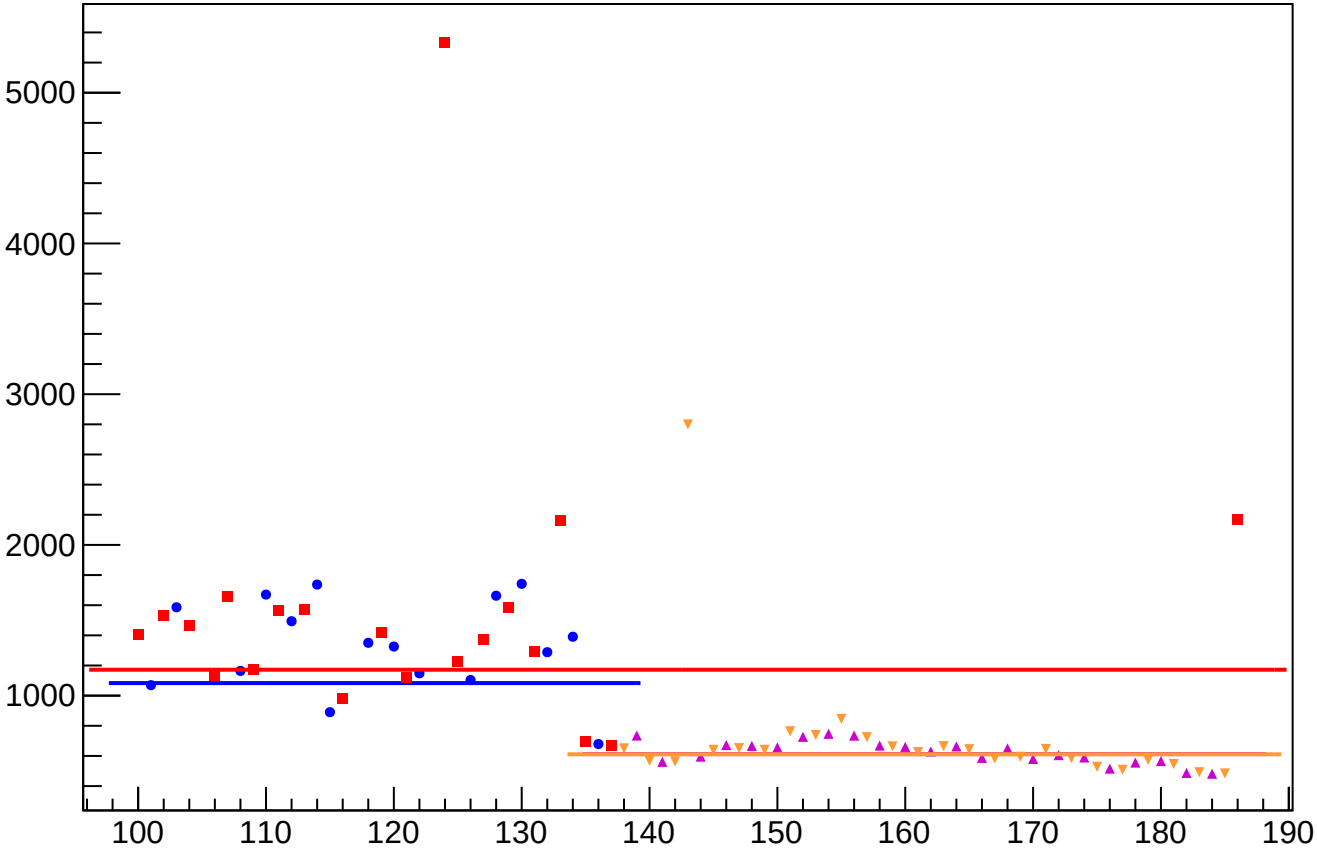
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 632.916+/-134.800 χ^2/NDF: 78.5/40

All: 397.316+/-96.146 χ^2/NDF: 129.1/83

- sign 153.347+/-137.173 χ^2/NDF: 44.4/42

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1172.032+/-0.314 χ^2/NDF: 1663693.5/19

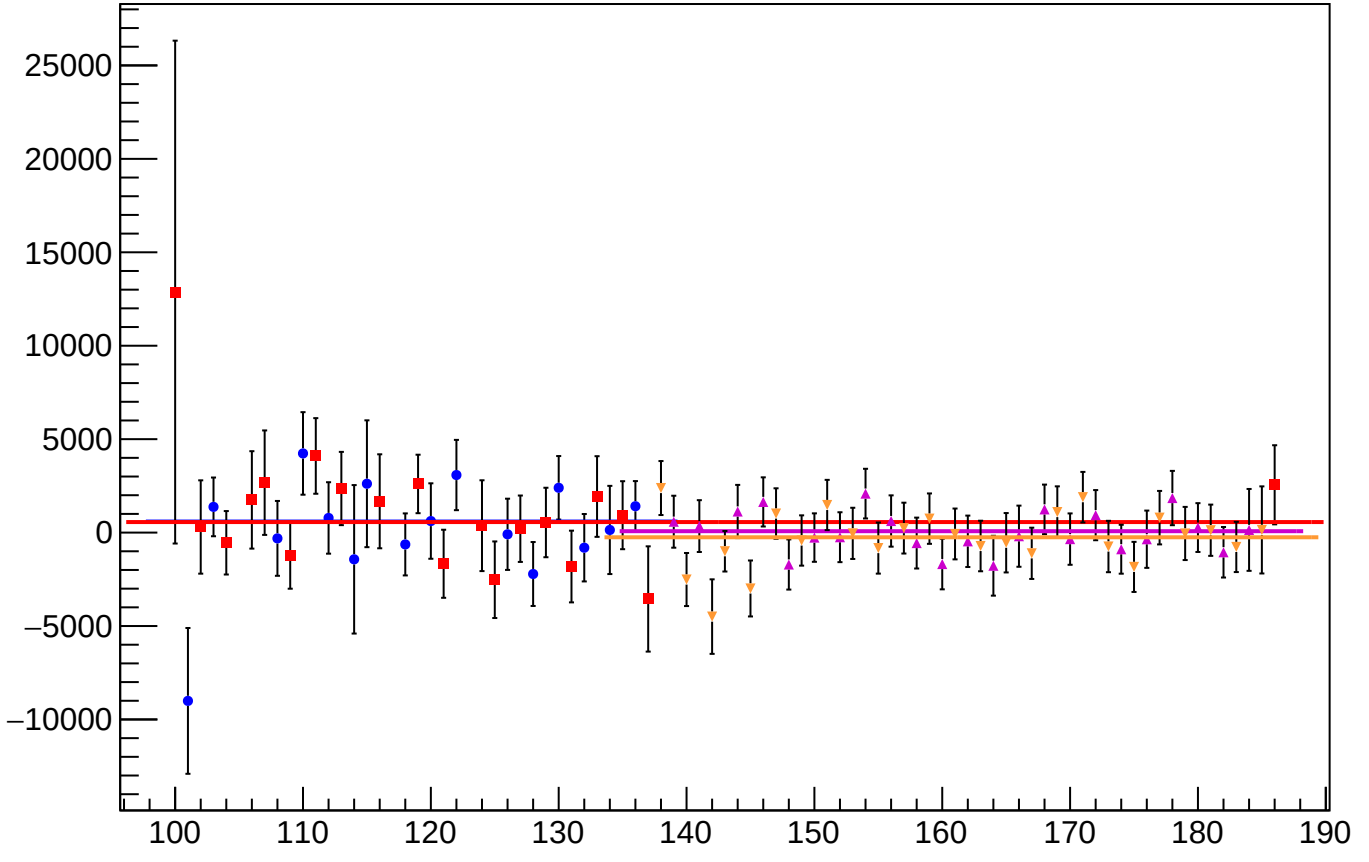
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 658.546+/-0.095 χ^2/NDF: 5198429.3/40

All: 662.129+/-0.068 χ^2/NDF: 10248835.2/83

- sign 665.839+/-0.097 χ^2/NDF: 5047530.1/42

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 563.761+/-465.143 χ^2/NDF: 17.6/19

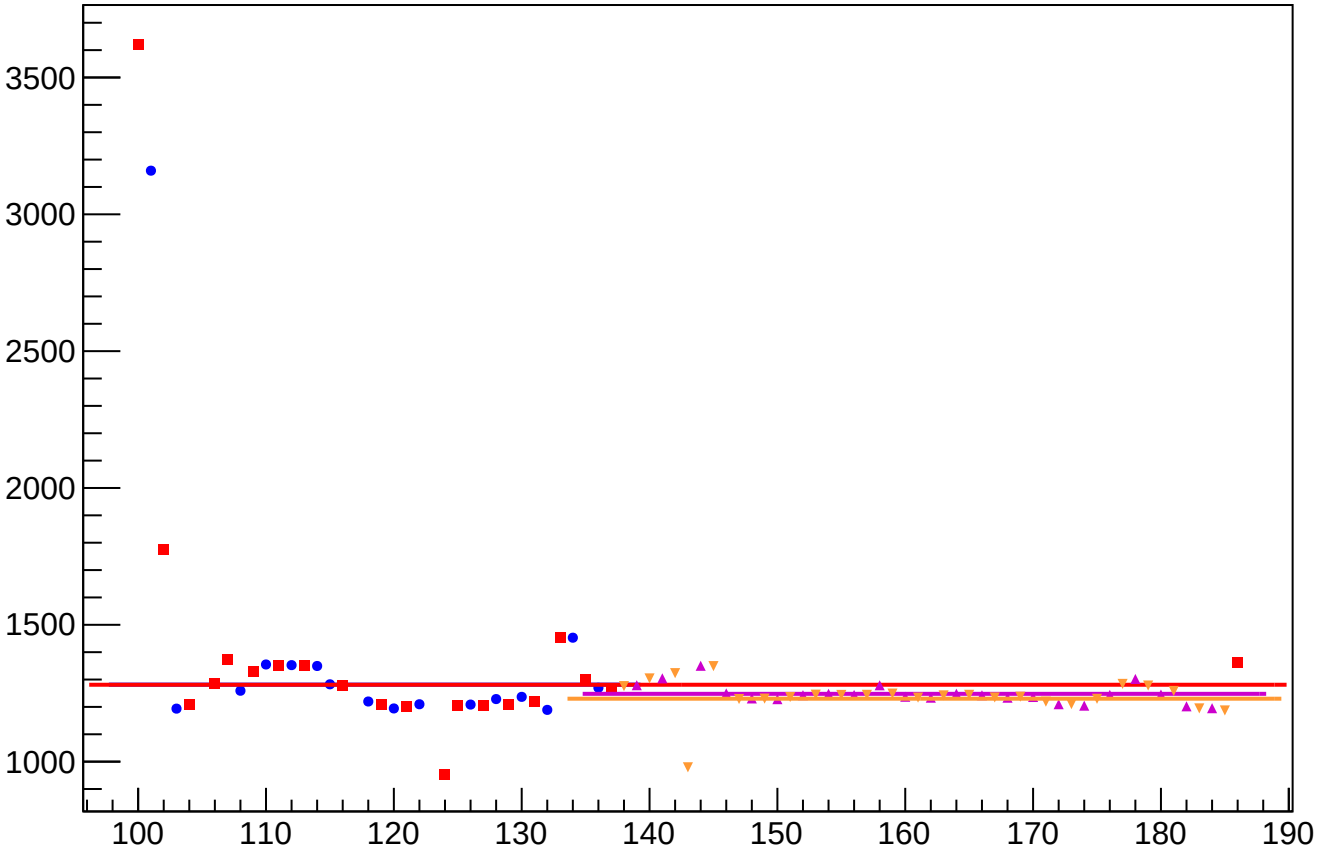
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -40.974+/-242.500 χ^2/NDF: 43.4/40

All: 83.548+/-173.035 χ^2/NDF: 76.4/83

- sign 212.712+/-246.978 χ^2/NDF: 32.4/42

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

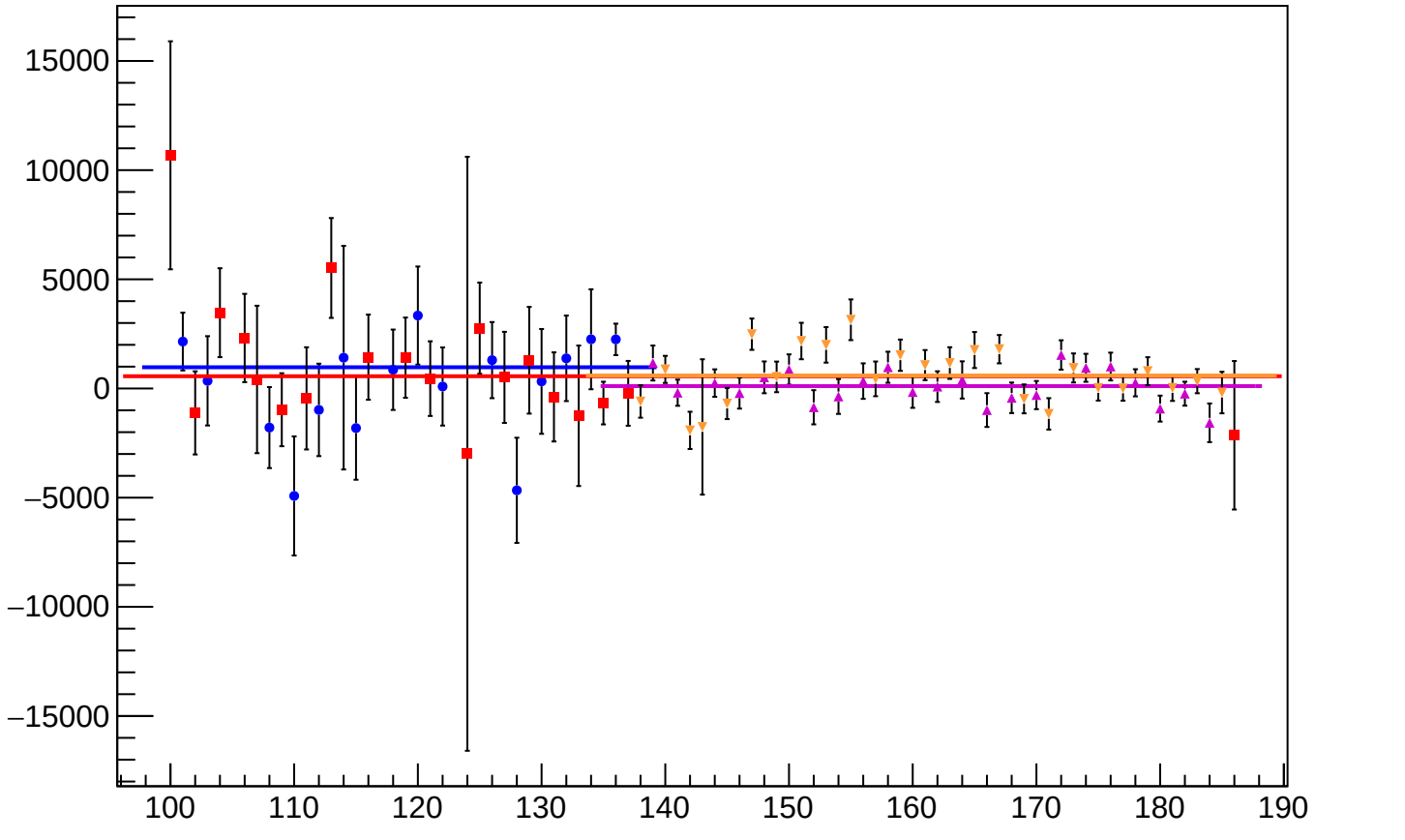
Right Out: 1280.962+/-0.329 χ^2/NDF: 223579.3/19

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1242.806+/-0.171 χ^2/NDF: 665498.9/40

All: 1249.841+/-0.122 χ^2/NDF: 927154.2/83

- sign 1257.139+/-0.175 χ^2/NDF: 258226.2/42



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

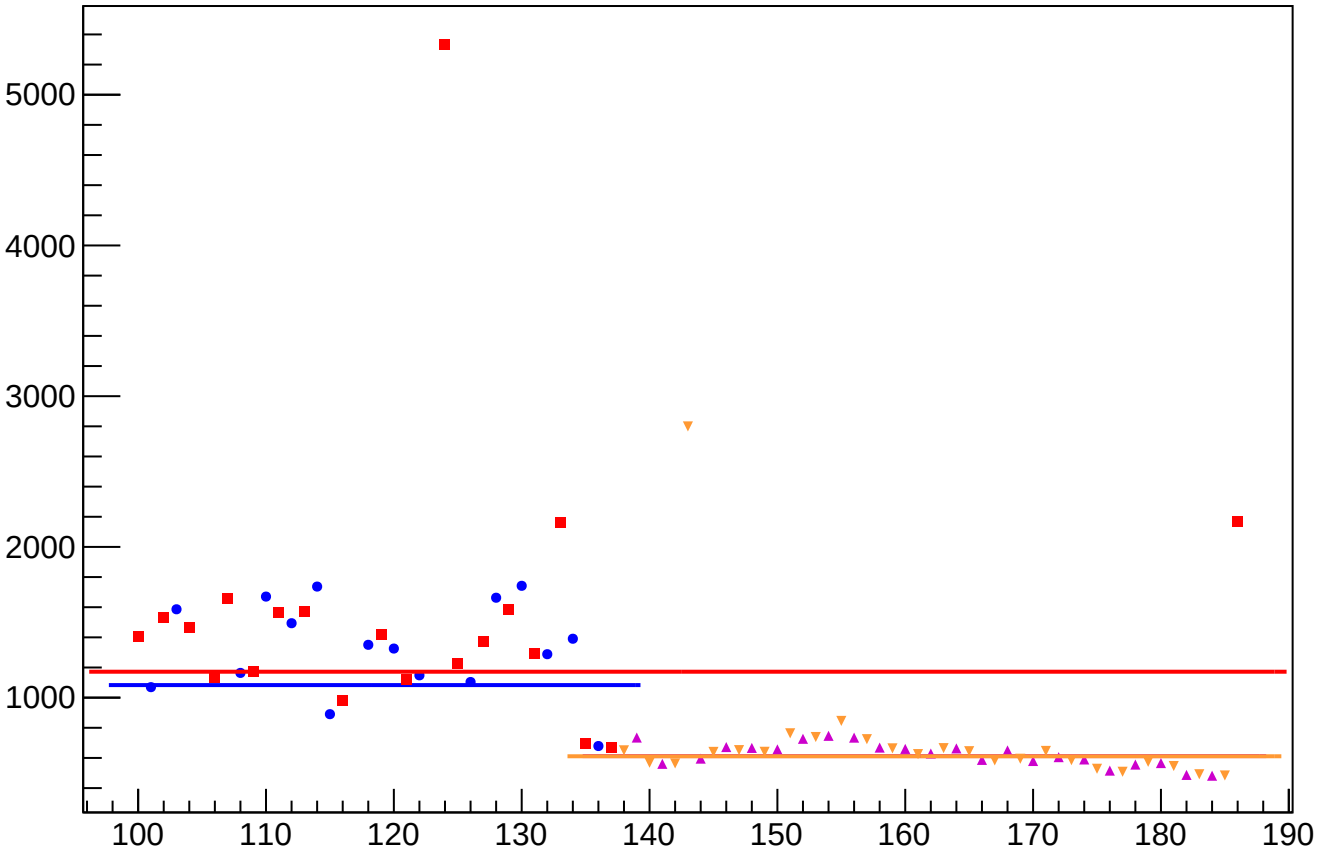
Right Out: 561.557+/-443.905 χ^2/NDF: 17.8/19

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 632.915+/-134.800 χ^2/NDF: 78.5/40

All: 397.316+/-96.146 χ^2/NDF: 129.1/83

- sign 153.346+/-137.173 χ^2/NDF: 44.4/42



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

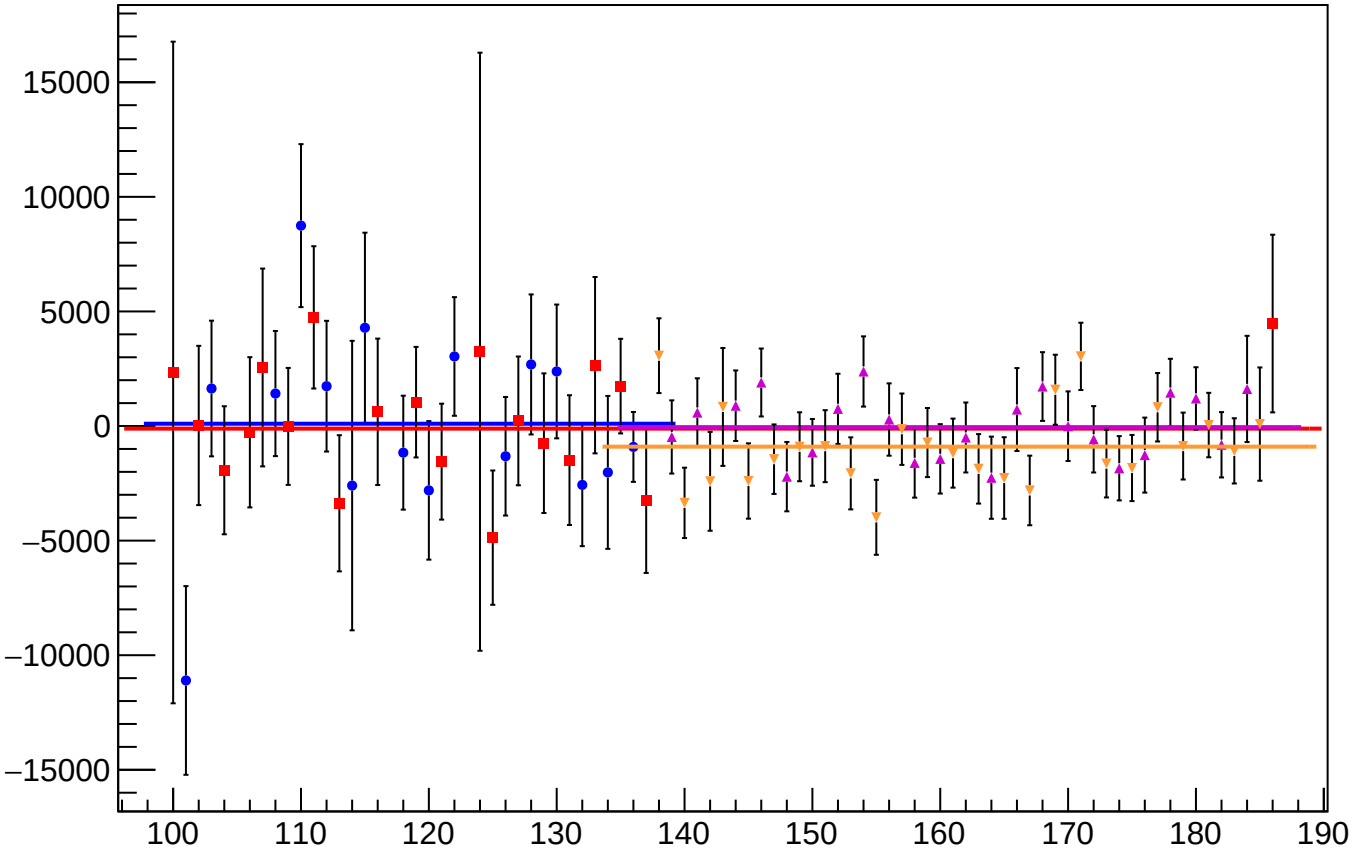
Right Out: 1172.040+/-0.314 χ^2/NDF: 1663638.0/19

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 658.546+/-0.095 χ^2/NDF: 5198416.6/40

All: 662.129+/-0.068 χ^2/NDF: 10248829.9/83

- sign 665.838+/-0.097 χ^2/NDF: 5047537.9/42



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -113.307+/-688.594 χ^2/NDF: 11.8/19

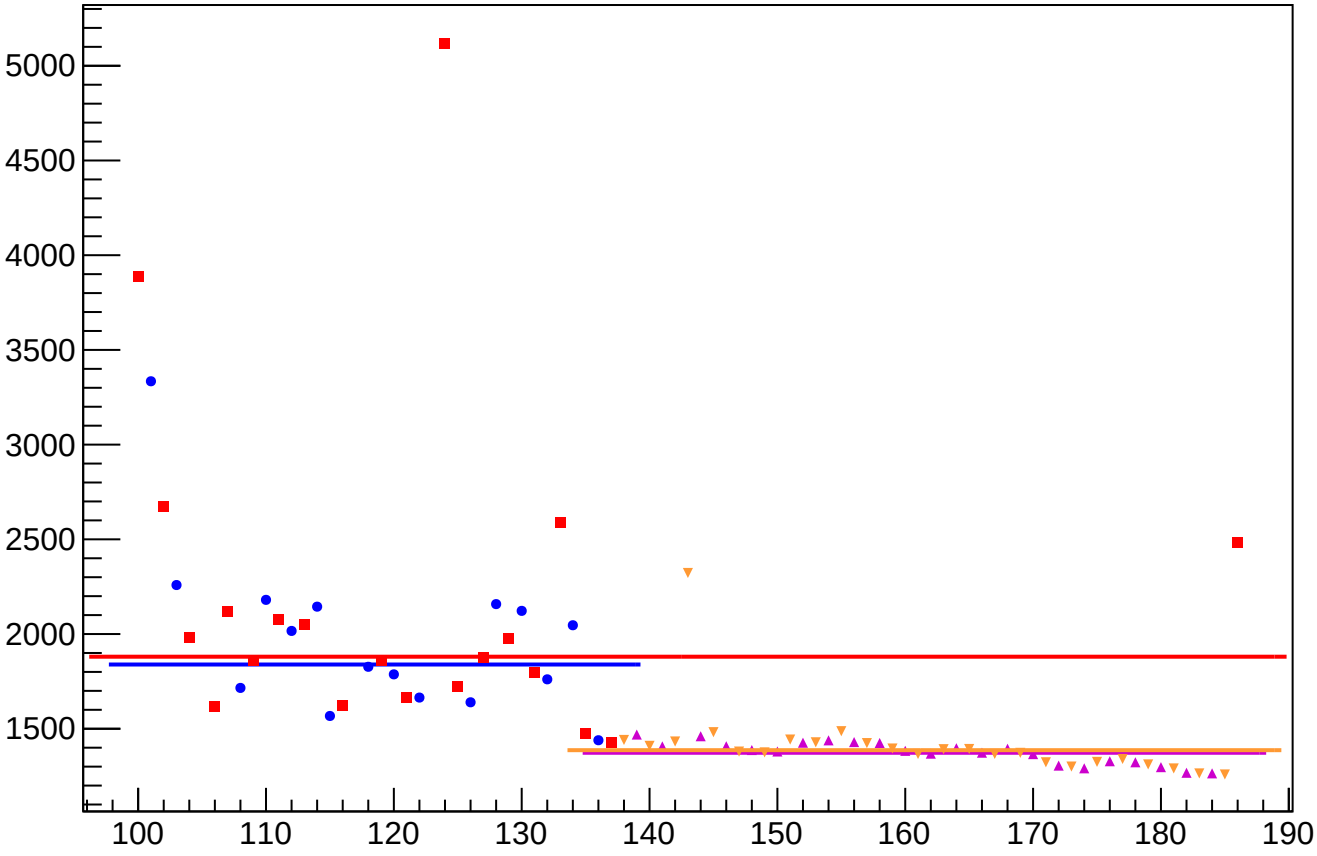
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -729.737+/-288.282 χ^2/NDF: 52.8/40

All: -397.783+/-204.761 χ^2/NDF: 85.1/83

- sign -59.800+/-290.887 χ^2/NDF: 29.7/42

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

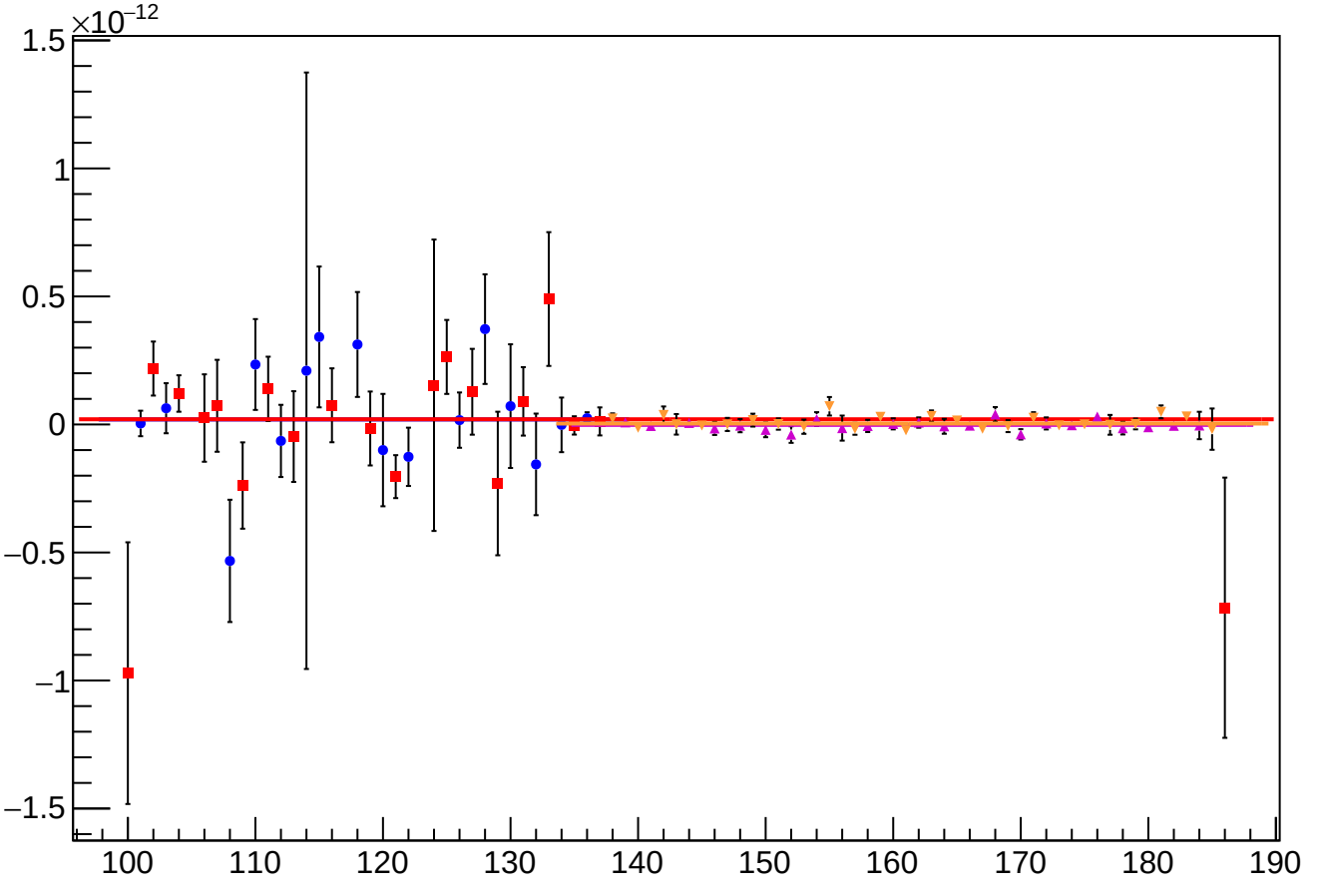
Right Out: 1880.358+/-0.487 χ^2/NDF: 571859.5/19

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1463.775+/-0.204 χ^2/NDF: 1591411.8/40

All: 1463.747+/-0.145 χ^2/NDF: 3118996.7/83

- sign 1463.719+/-0.206 χ^2/NDF: 1527584.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

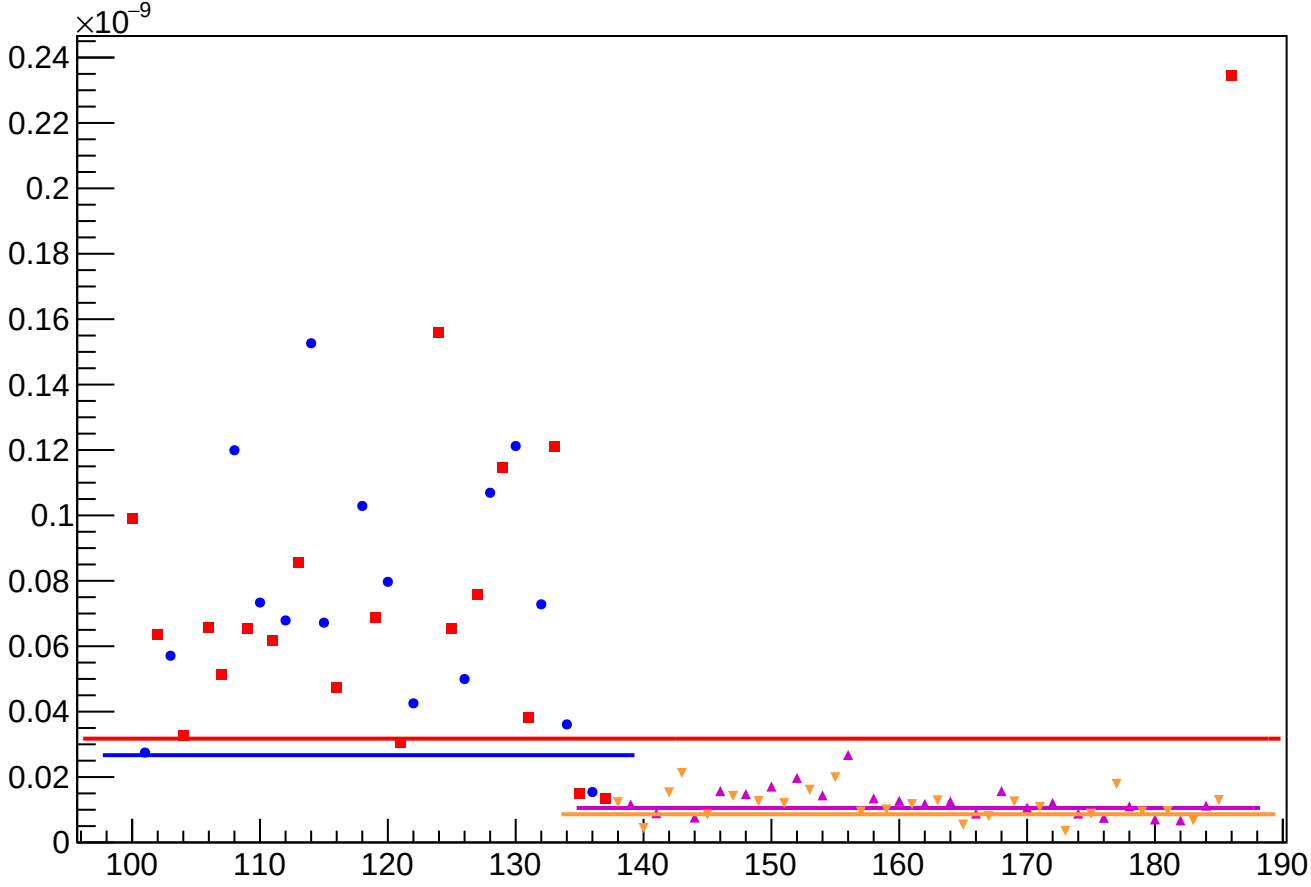
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/19

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.9/40

All: 0.000+/-0.000 χ^2/NDF: 87.4/83

- sign -0.000+/-0.000 χ^2/NDF: 44.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

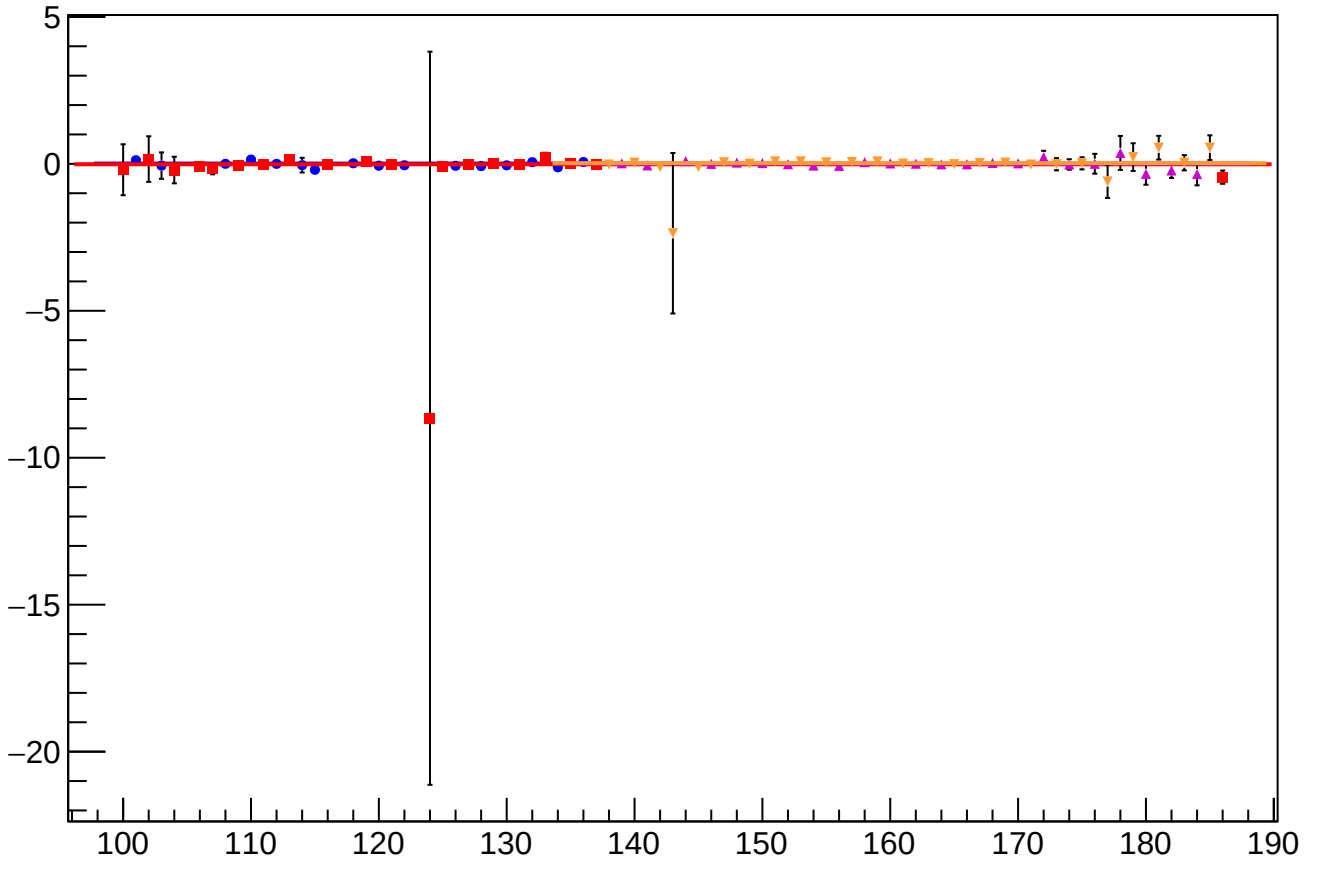
Right Out: 0.000+/-0.000 χ^2/NDF: 2594605.6/19

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6500855.1/40

All: 0.000+/-0.000 χ^2/NDF: 12316531.2/83

- sign 0.000+/-0.000 χ^2/NDF: 5571082.7/42



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.015+/-0.017 χ^2/NDF: 16.4/19

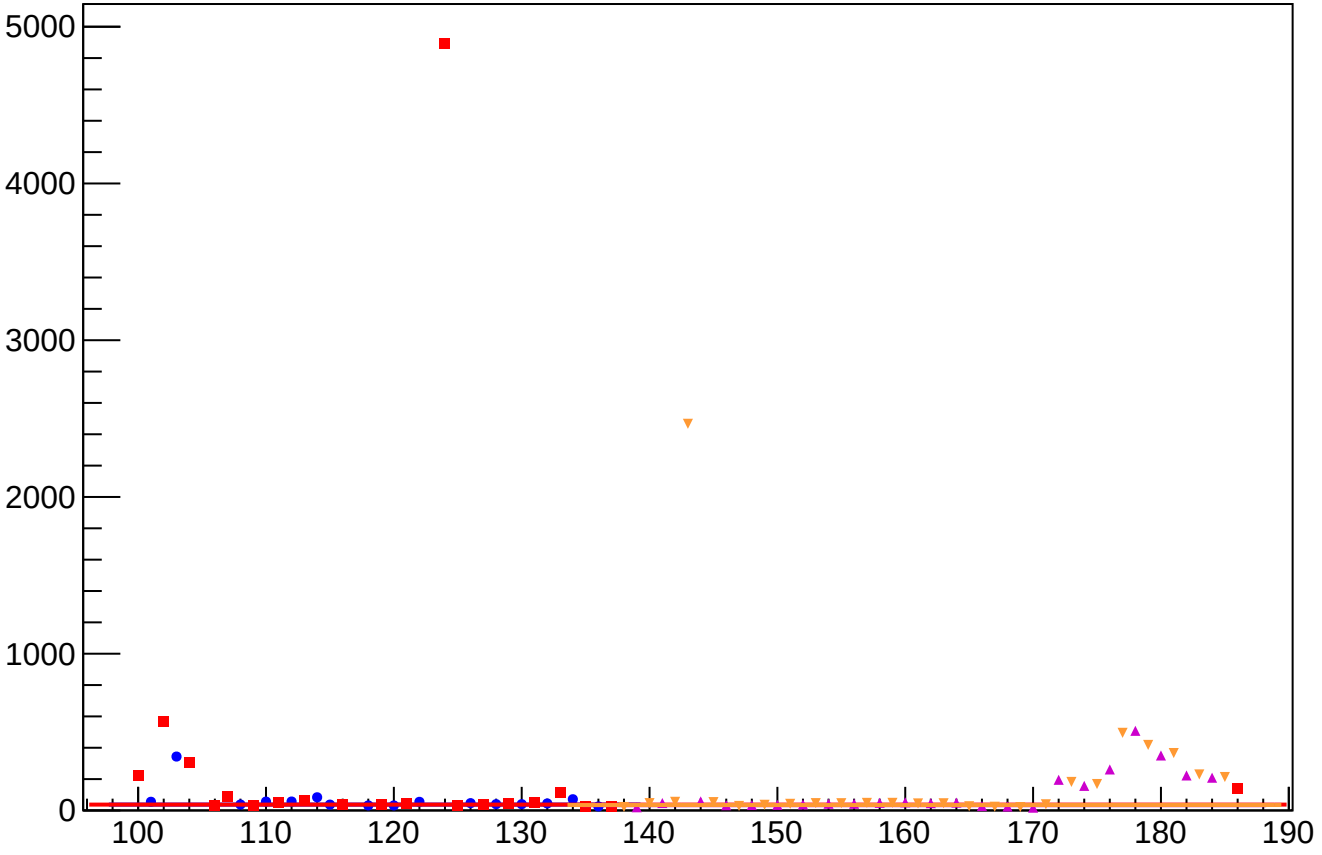
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 42.7/40

All: 0.011+/-0.006 χ^2/NDF: 77.3/83

- 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: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

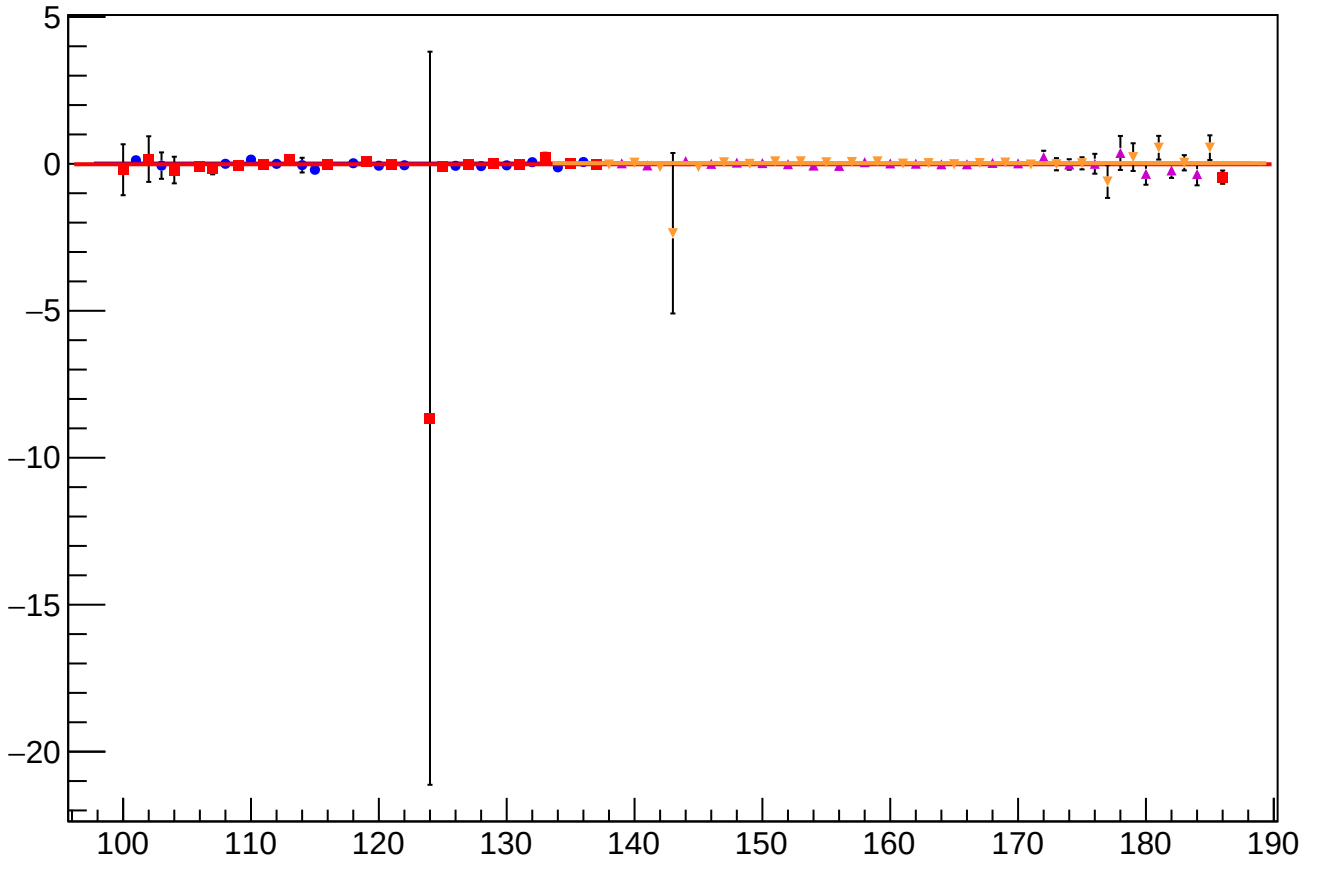
Right Out: 37.341+/-0.012 χ^2/NDF: 3631788.9/19

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.448+/-0.006 χ^2/NDF: 13431173.6/40

All: 35.011+/-0.004 χ^2/NDF: 27215855.7/83

\- sign 34.584+/-0.006 χ^2/NDF: 13774522.7/42



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

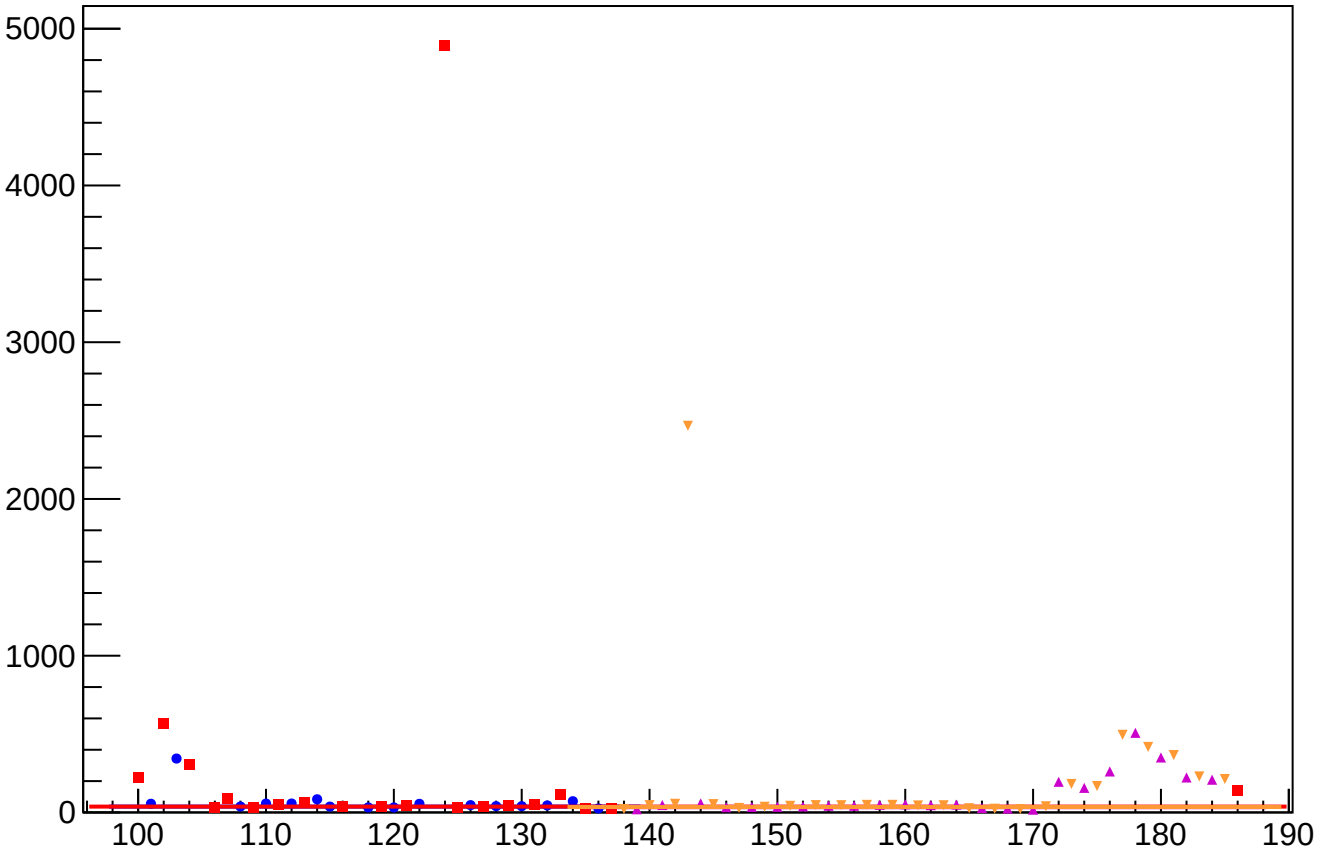
Right Out: -0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 42.7/40

All: 0.011+/-0.006 χ^2/NDF: 77.3/83

- sign 0.003+/-0.009 χ^2/NDF: 32.8/42



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

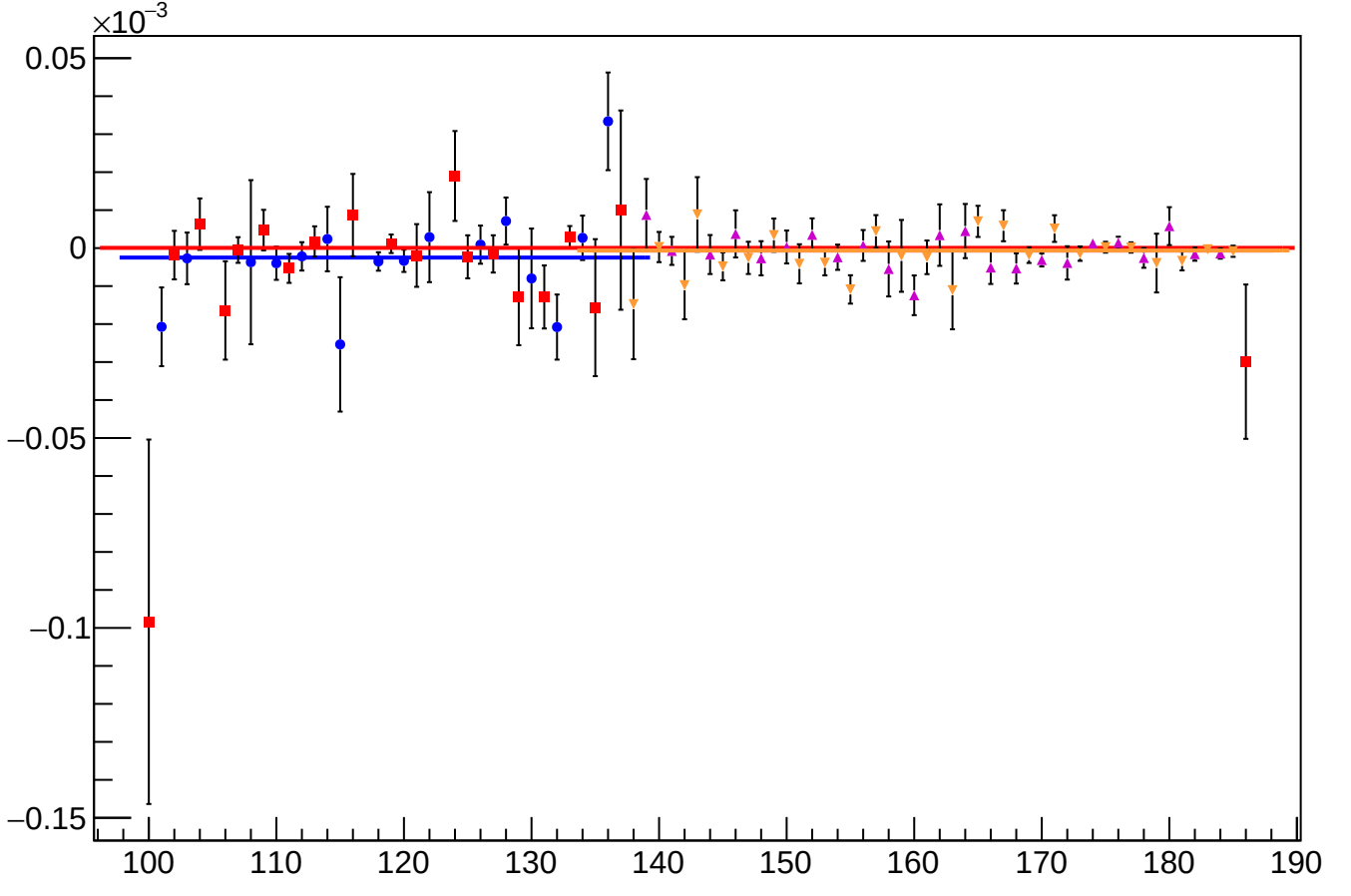
Right Out: 37.341+/-0.012 χ^2/NDF: 3631788.9/19

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.448+/-0.006 χ^2/NDF: 13431173.6/40

All: 35.011+/-0.004 χ^2/NDF: 27215855.7/83

- sign 34.584+/-0.006 χ^2/NDF: 13774522.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/19

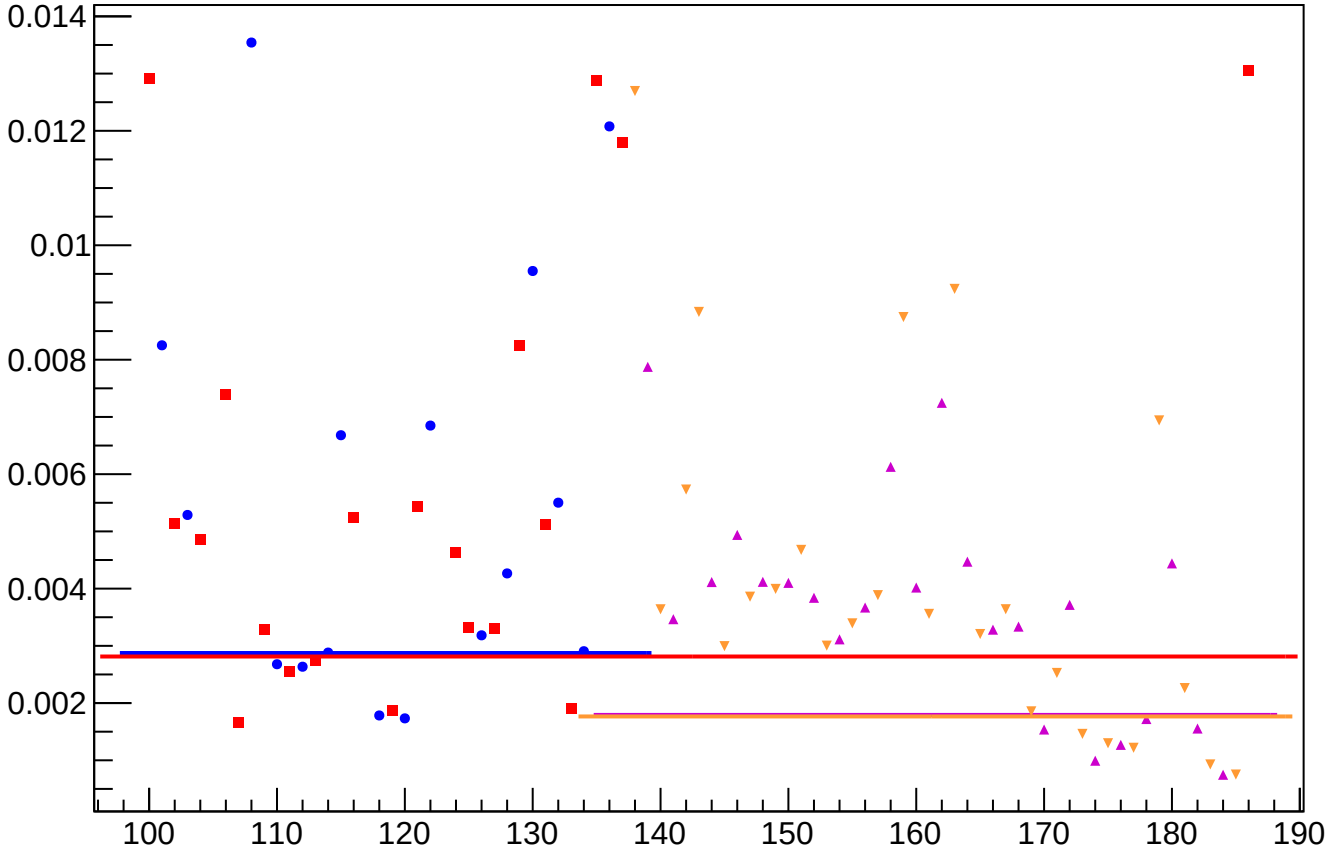
Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.0/40

All: -0.000+/-0.000 χ^2/NDF: 95.6/83

- 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: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

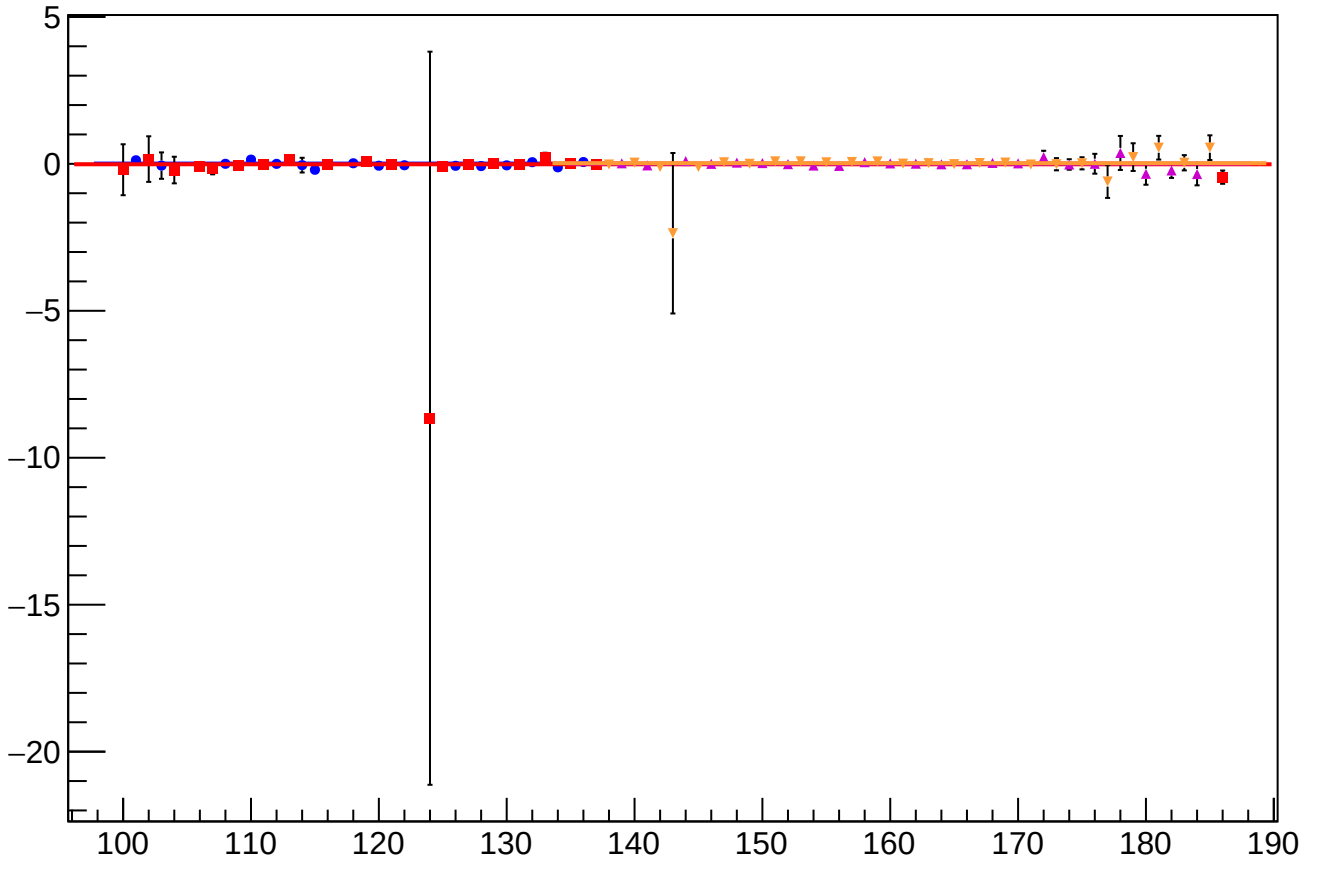
Right Out: 0.003+/-0.000 χ^2/NDF: 3821461.6/19

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 18328131.1/40

All: 0.002+/-0.000 χ^2/NDF: 34179546.9/83

- sign 0.002+/-0.000 χ^2/NDF: 15835961.0/42



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

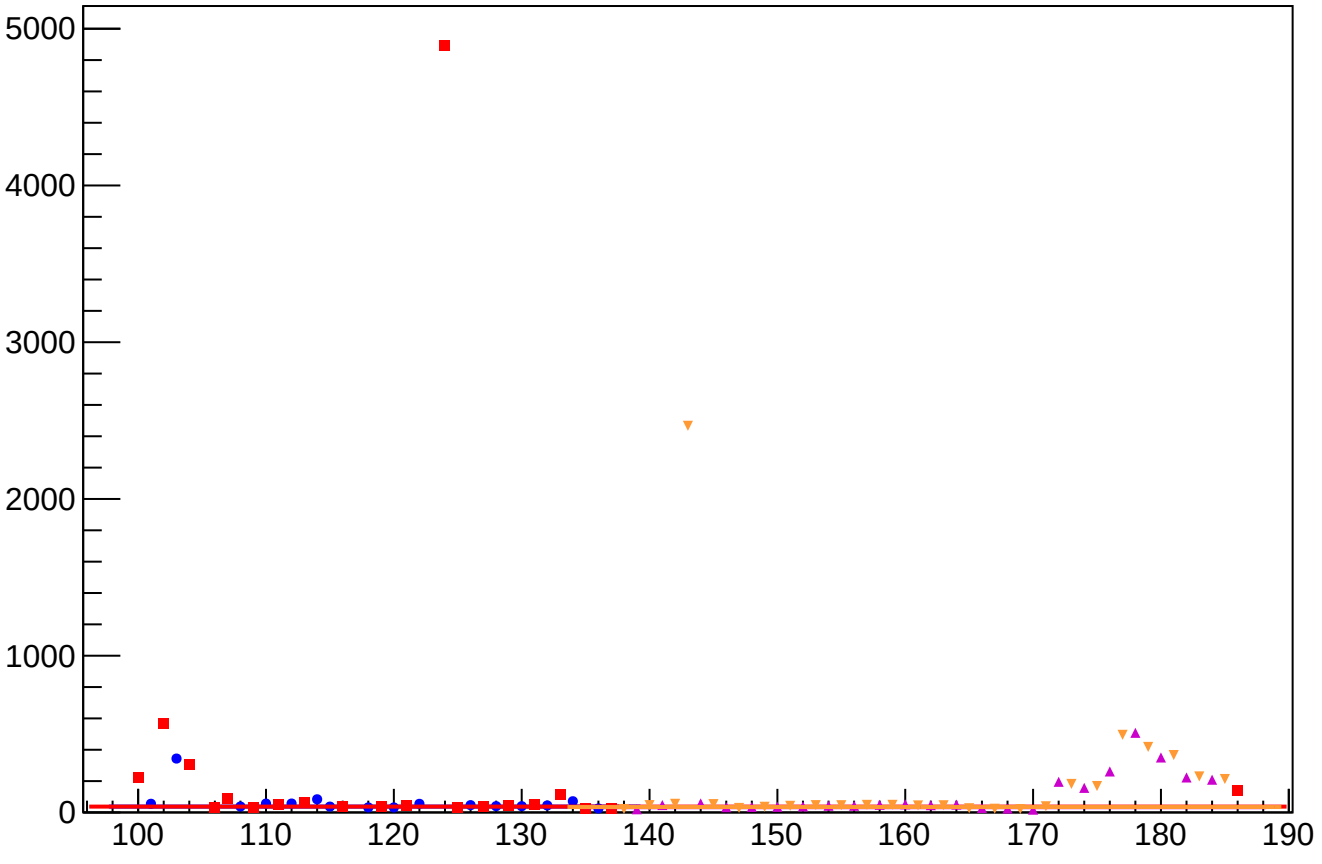
Right Out: -0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 42.7/40

All: 0.011+/-0.006 χ^2/NDF: 77.3/83

- sign 0.003+/-0.009 χ^2/NDF: 32.9/42



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

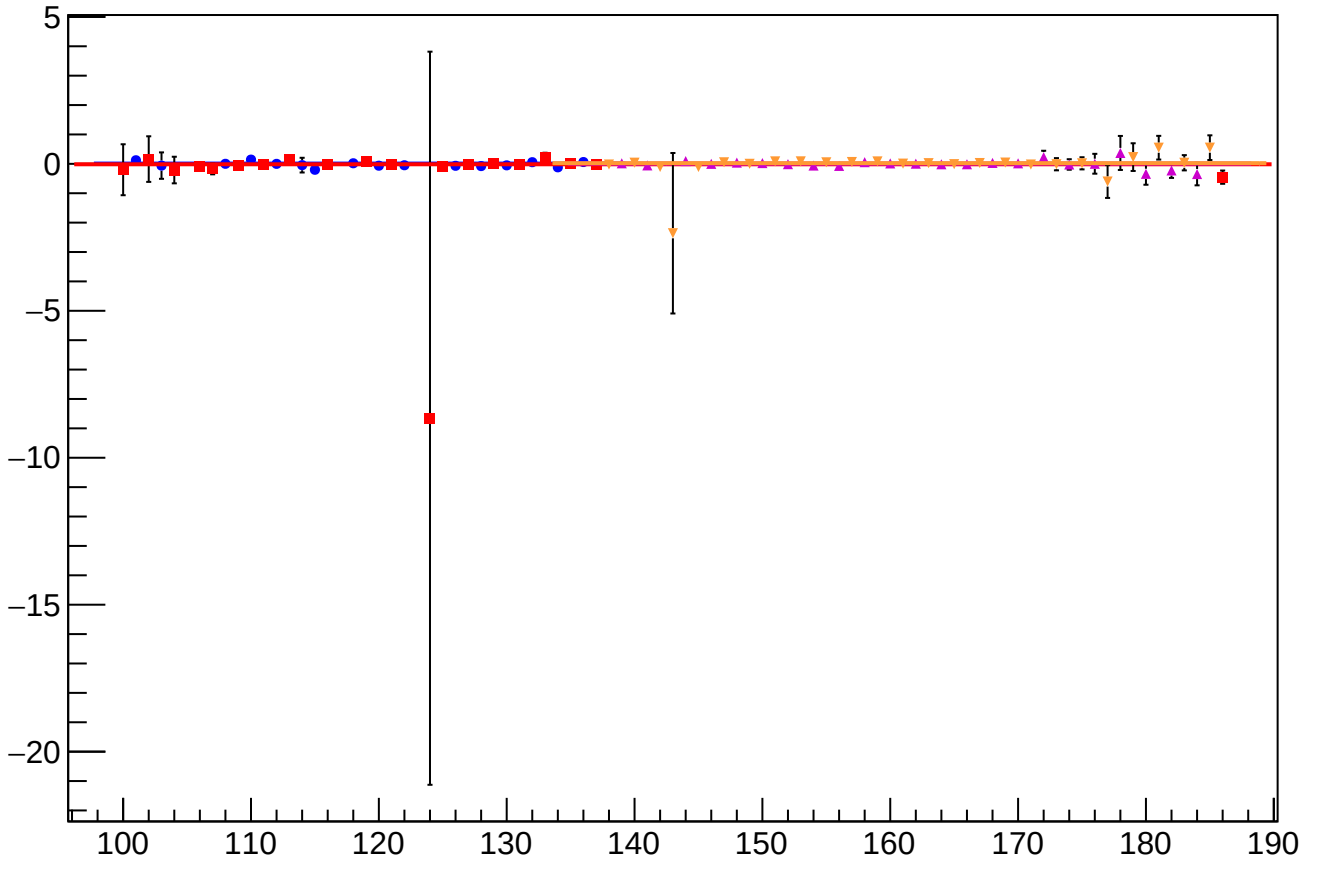
Right Out: 37.343+/-0.012 χ^2/NDF: 3631486.2/19

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.447+/-0.006 χ^2/NDF: 13431266.9/40

All: 35.012+/-0.004 χ^2/NDF: 27214284.9/83

\- sign 34.586+/-0.006 χ^2/NDF: 13772922.3/42



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

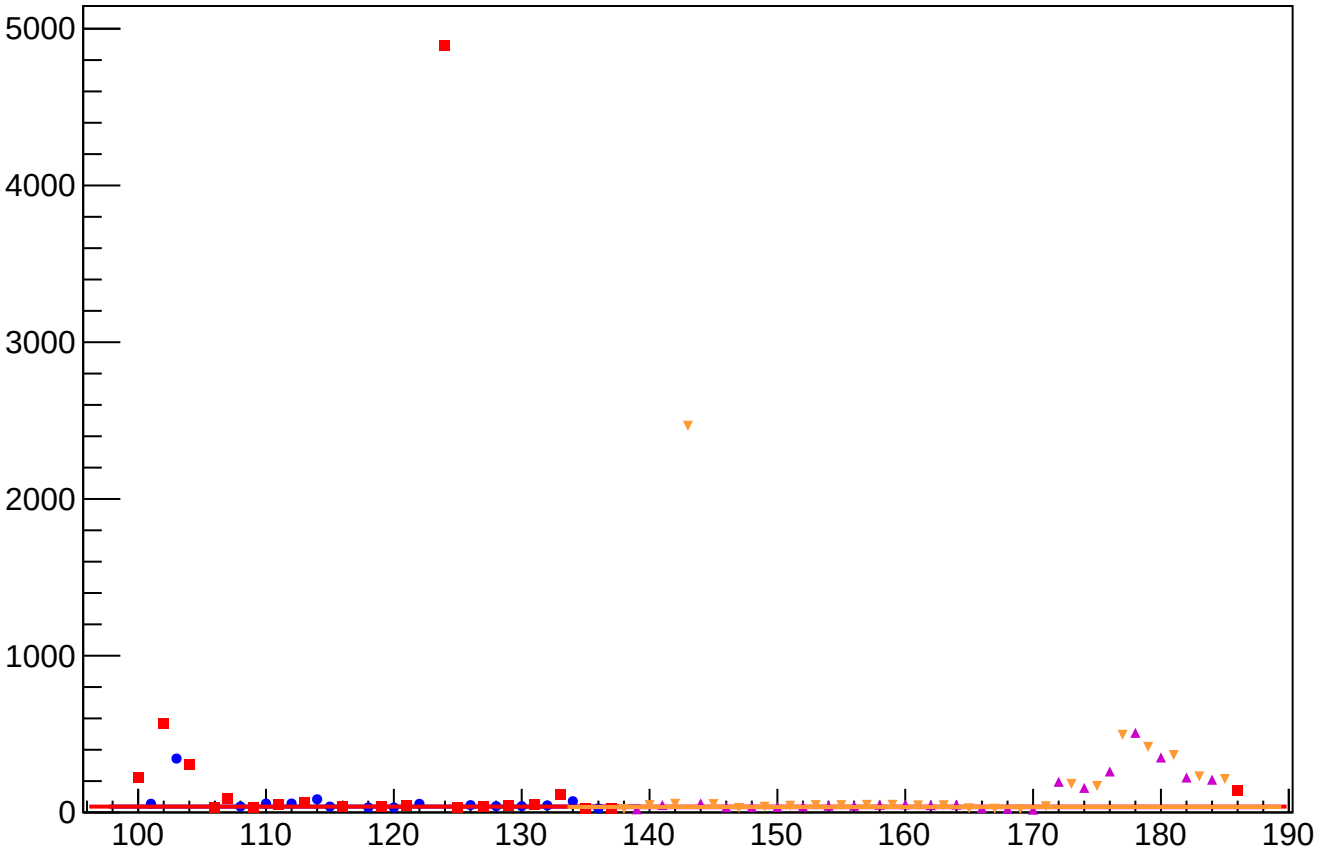
Right Out: -0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 42.7/40

All: 0.011+/-0.006 χ^2/NDF: 77.3/83

- sign 0.003+/-0.009 χ^2/NDF: 32.9/42



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

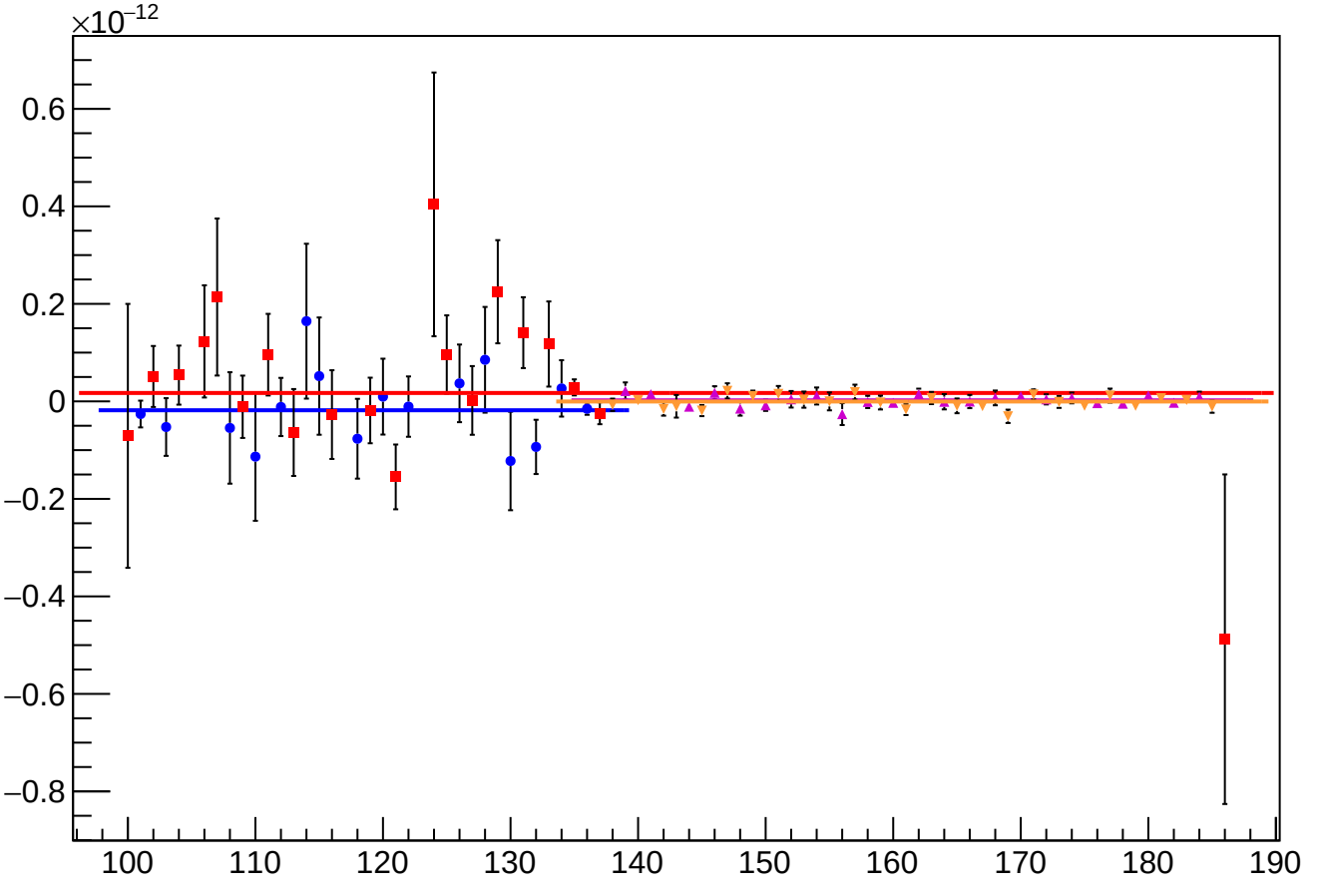
Right Out: 37.343+/-0.012 χ^2/NDF: 3631486.2/19

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.447+/-0.006 χ^2/NDF: 13431266.9/40

All: 35.012+/-0.004 χ^2/NDF: 27214284.9/83

- sign 34.586+/-0.006 χ^2/NDF: 13772922.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

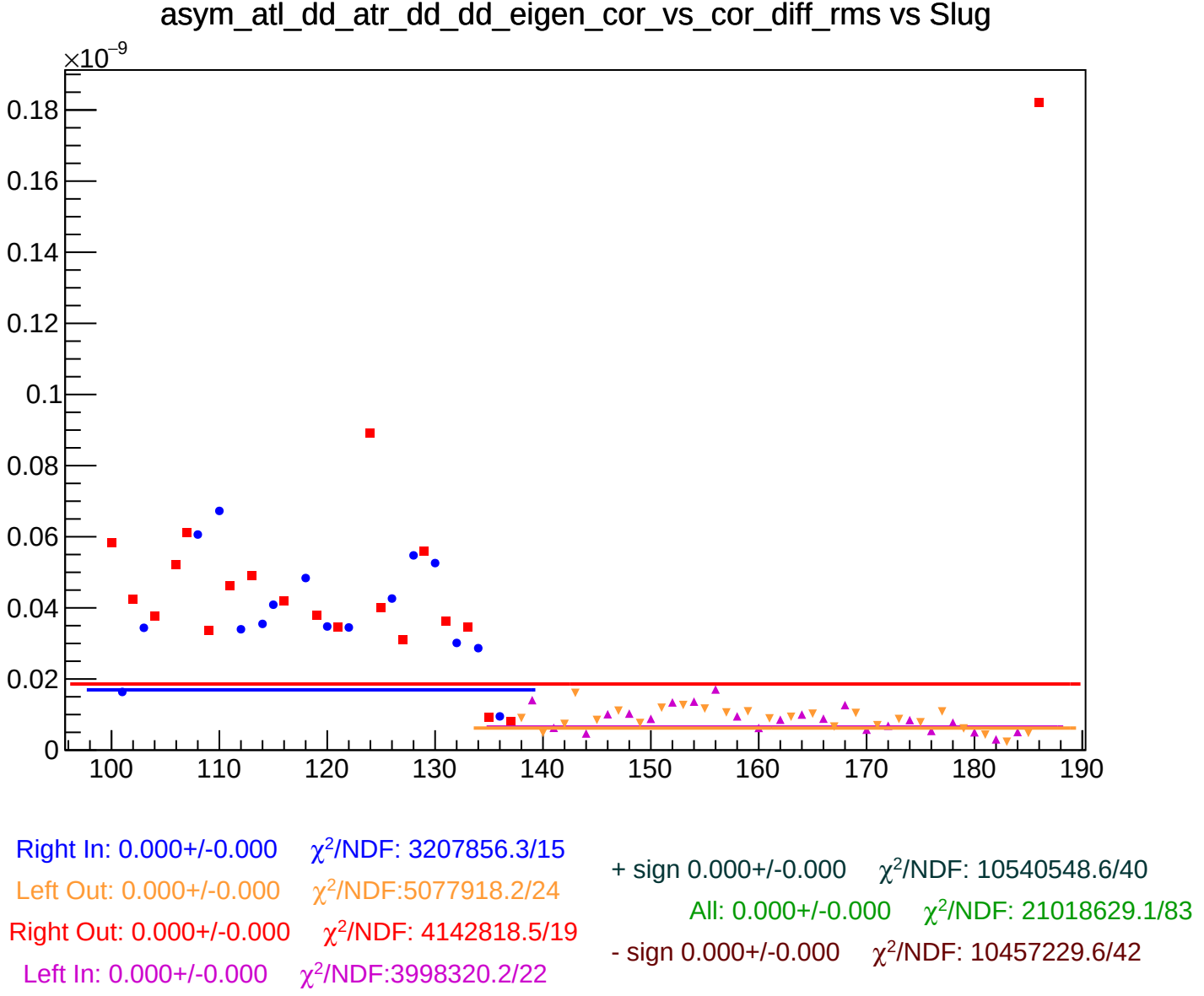
Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/19

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

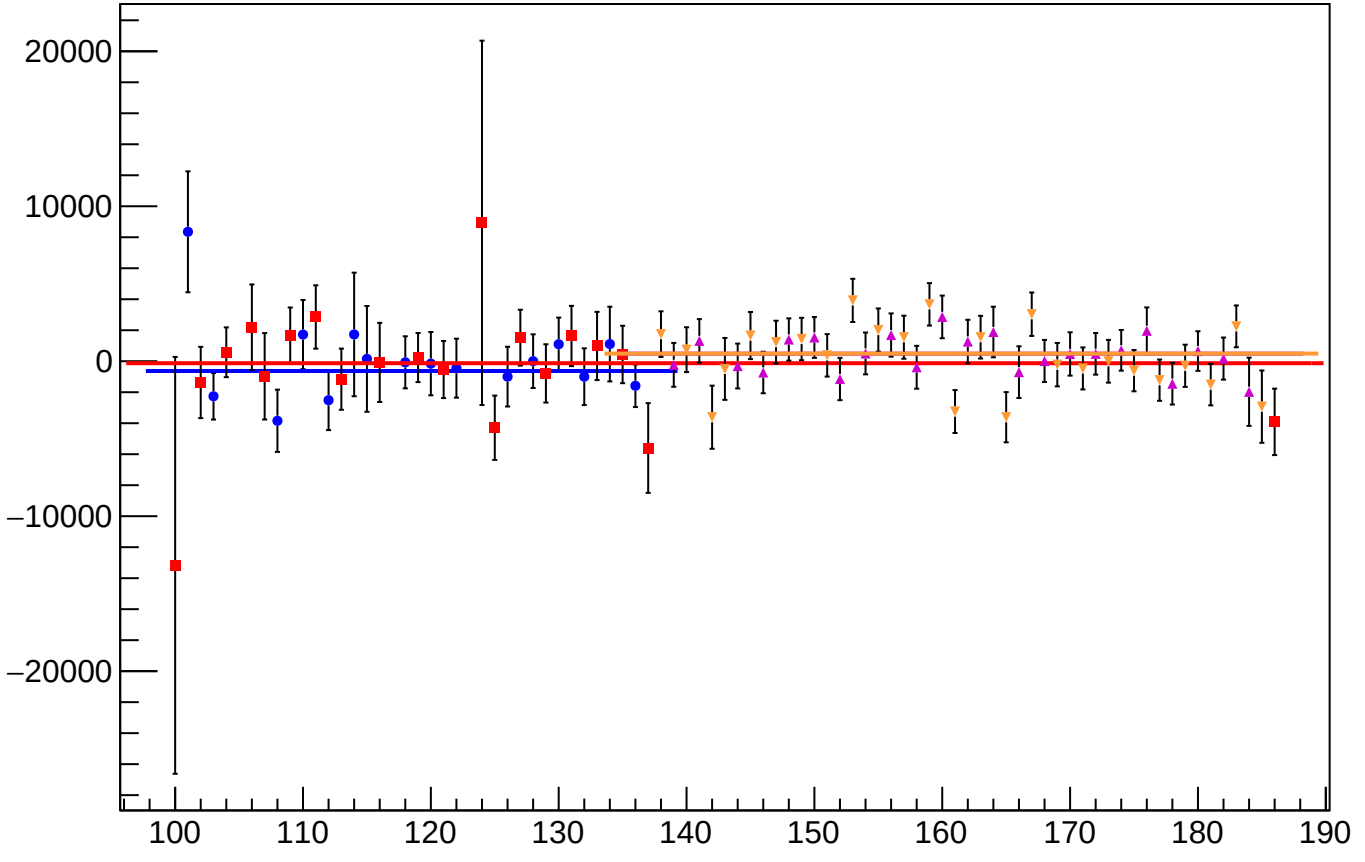
+ sign -0.000+/-0.000 χ^2/NDF: 37.5/40

All: 0.000+/-0.000 χ^2/NDF: 90.4/83

- 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: 3207856.3/15
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: 10540548.6/40
All: 0.000+/-0.000 χ²/NDF: 21018629.1/83
- sign 0.000+/-0.000 χ²/NDF: 10457229.6/42

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -128.473+/-475.595 χ^2/NDF: 19.1/19

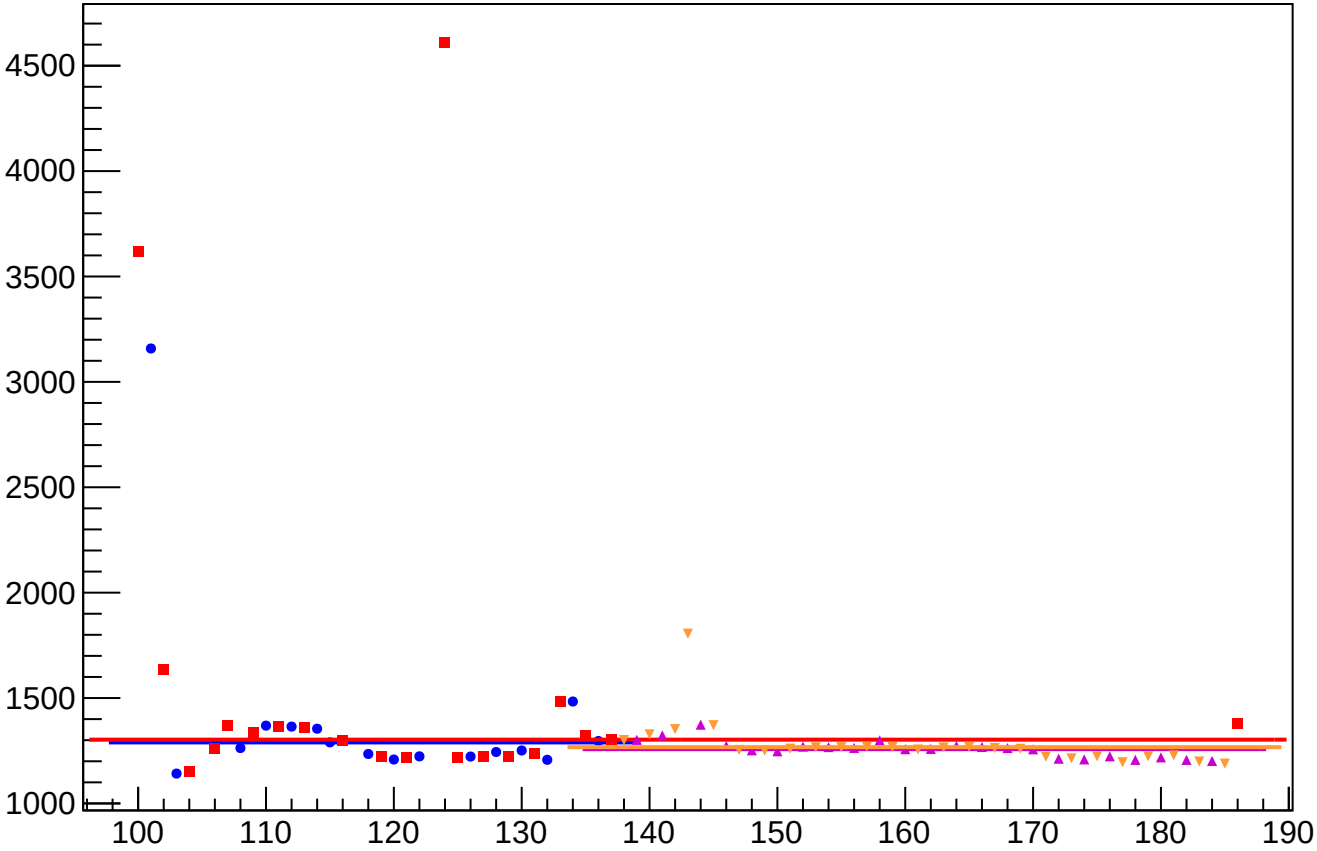
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 201.785+/-248.431 χ^2/NDF: 64.7/40

All: 258.994+/-176.196 χ^2/NDF: 99.6/83

- sign 316.896+/-249.933 χ^2/NDF: 34.8/42

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

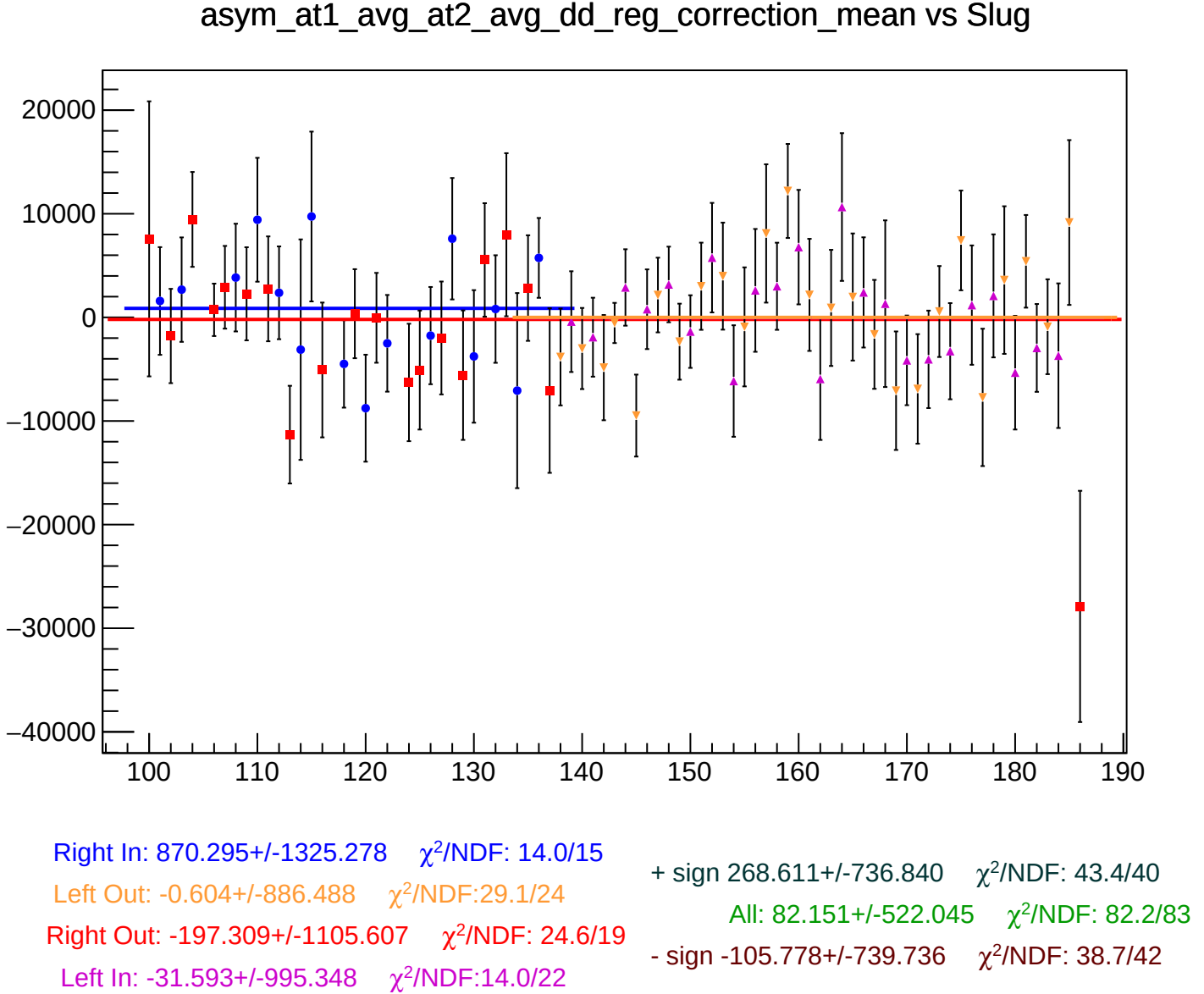
Right Out: 1302.569+/-0.335 χ^2/NDF: 322015.0/19

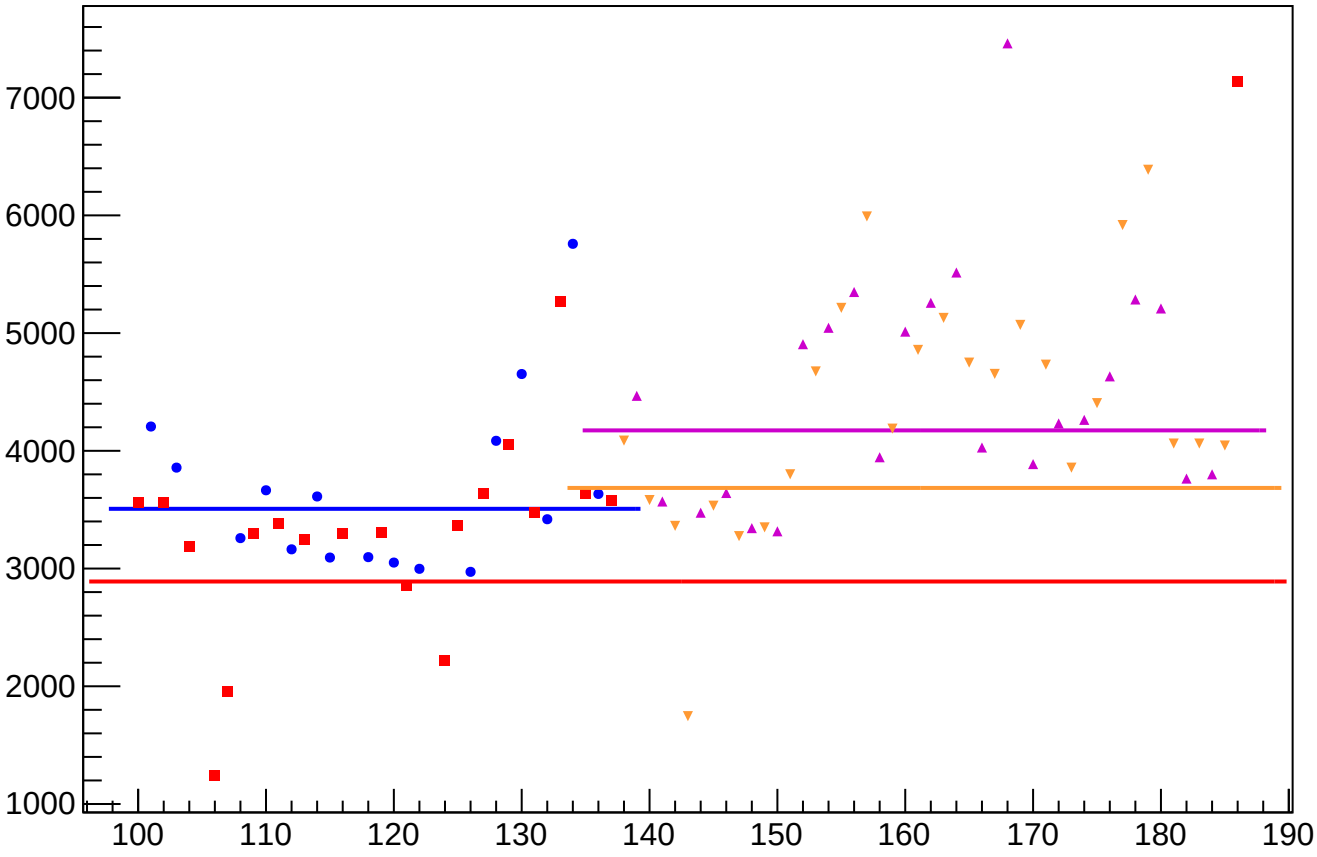
Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.783+/-0.176 χ^2/NDF: 705364.5/40

All: 1271.413+/-0.125 χ^2/NDF: 1077335.4/83

- sign 1270.029+/-0.177 χ^2/NDF: 371848.7/42


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: -197.309+/-1105.607 χ²/NDF: 24.6/19
Left In: -31.593+/-995.348 χ²/NDF:14.0/22
+ sign 268.611+/-736.840 χ²/NDF: 43.4/40
All: 82.151+/-522.045 χ²/NDF: 82.2/83
- sign -105.778+/-739.736 χ²/NDF: 38.7/42



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2889.961+/-0.782 χ^2/NDF: 1792253.1/19

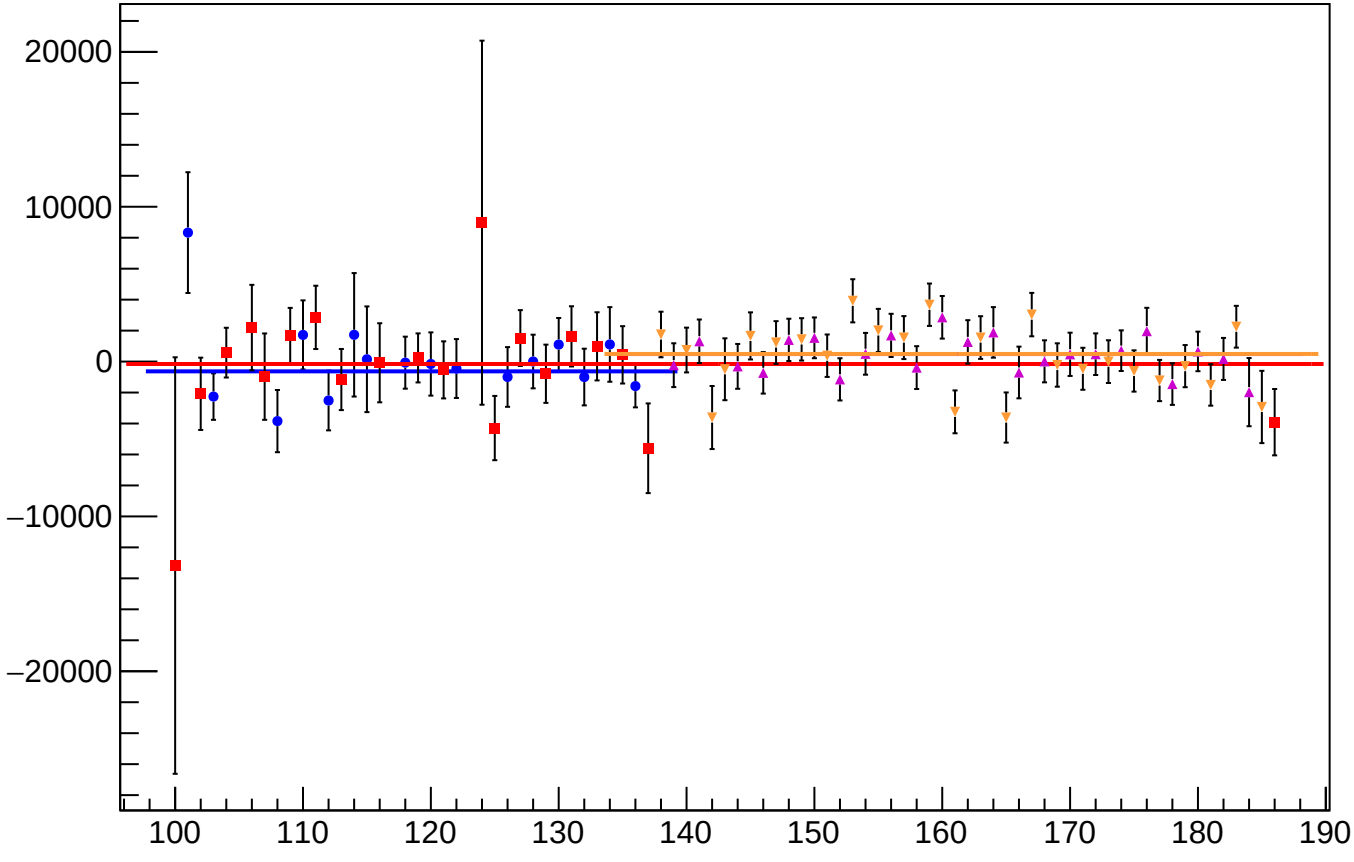
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3629.939+/-0.521 χ^2/NDF: 4072376.2/40

All: 3614.499+/-0.369 χ^2/NDF: 8630338.2/83

- sign 3598.937+/-0.523 χ^2/NDF: 4556198.7/42

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -156.296+/-475.895 χ^2/NDF: 19.6/19

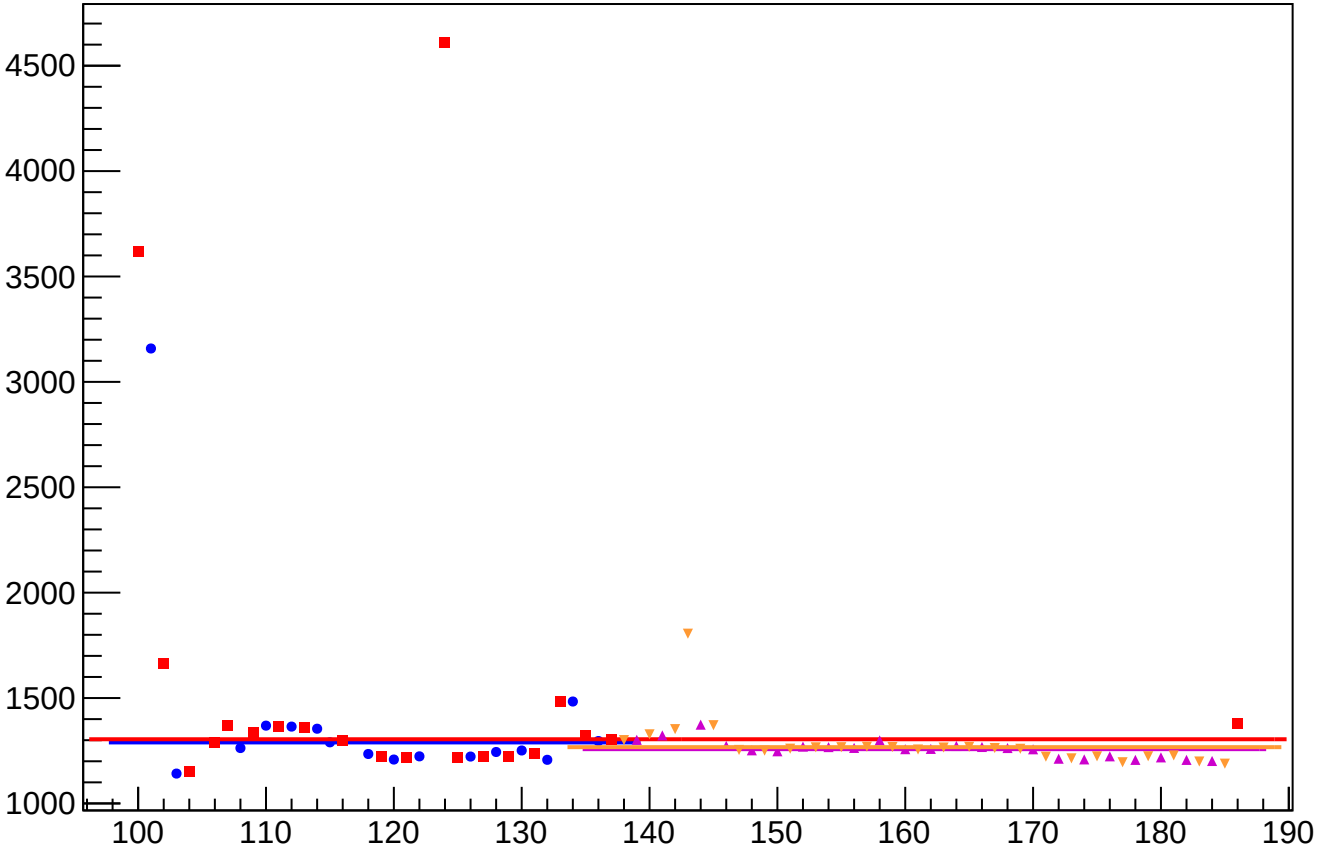
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 201.698+/-248.431 χ^2/NDF: 64.7/40

All: 255.166+/-176.211 χ^2/NDF: 100.1/83

- sign 309.301+/-249.977 χ^2/NDF: 35.3/42

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

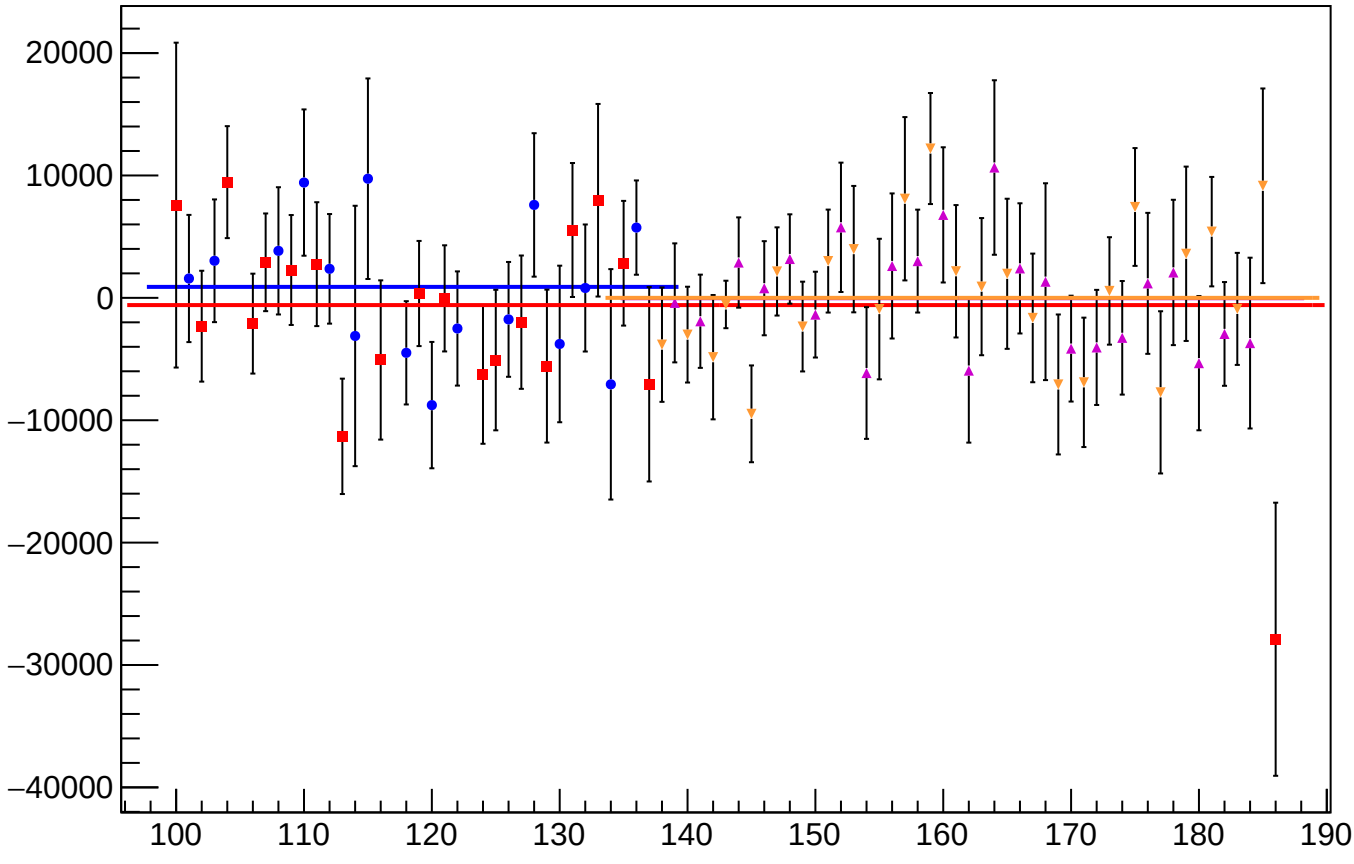
Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.782+/-0.176 χ^2/NDF: 705365.9/40

All: 1271.668+/-0.125 χ^2/NDF: 1084813.4/83

- sign 1270.541+/-0.177 χ^2/NDF: 379366.6/42



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

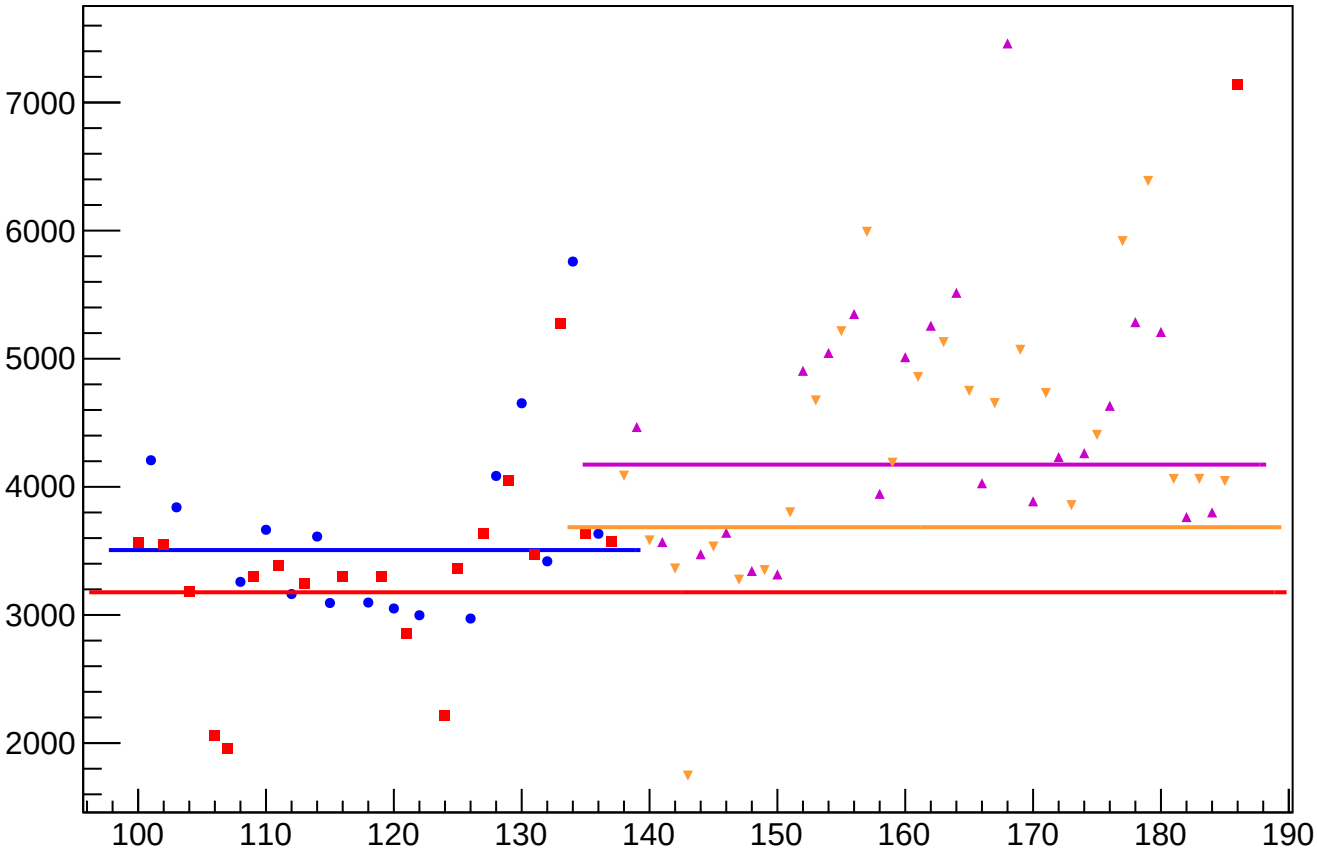
Right Out: -590.963+/-1176.575 χ^2/NDF: 24.7/19

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 276.737+/-736.761 χ^2/NDF: 43.5/40

All: 14.278+/-528.961 χ^2/NDF: 82.6/83

- sign -264.929+/-759.903 χ^2/NDF: 38.8/42



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

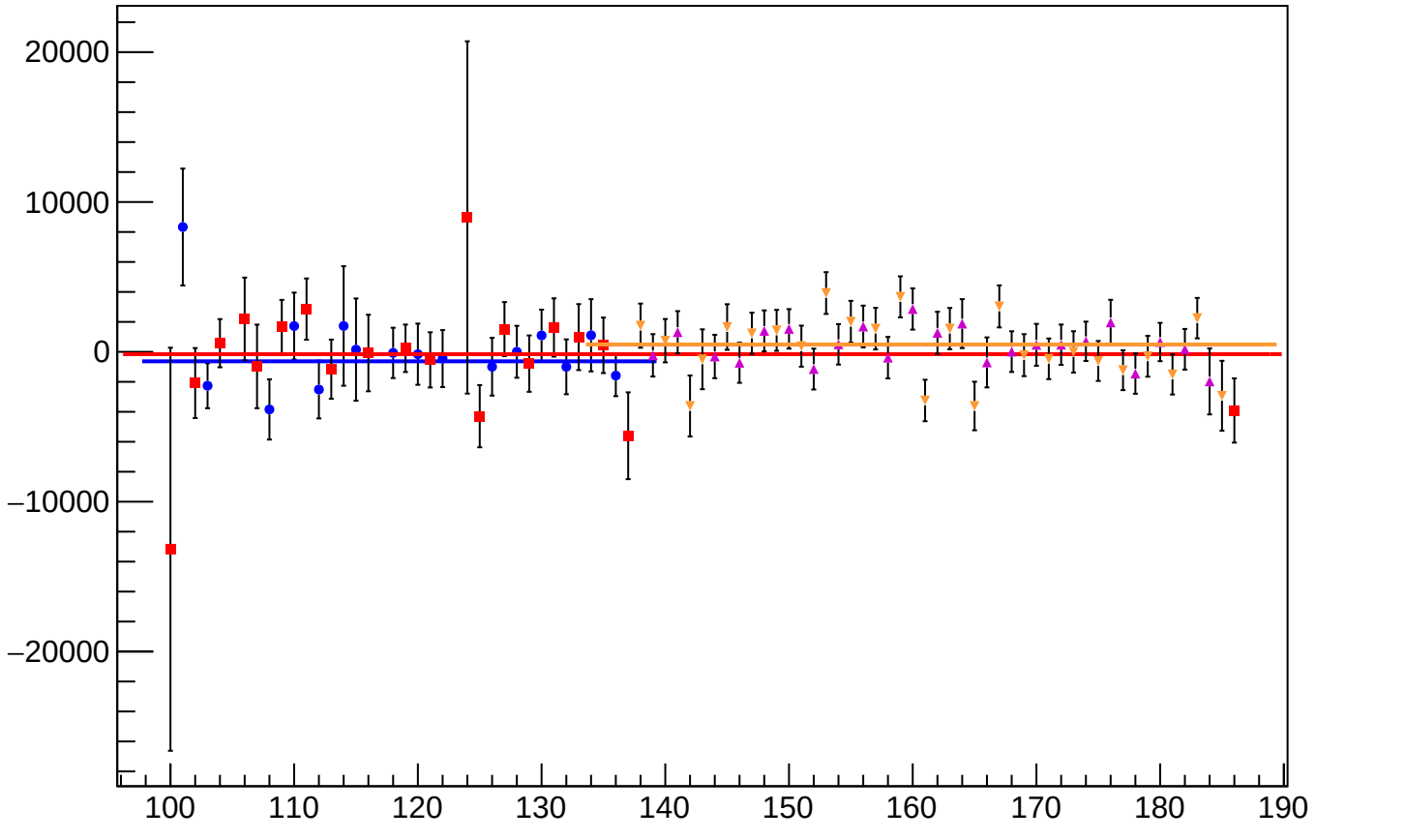
Right Out: 3177.131+/-0.832 χ^2/NDF: 904574.2/19

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3629.626+/-0.521 χ^2/NDF: 4071940.8/40

All: 3691.784+/-0.374 χ^2/NDF: 7116930.9/83

- sign 3757.908+/-0.537 χ^2/NDF: 3015610.7/42



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -156.296+/-475.895 χ^2/NDF: 19.6/19

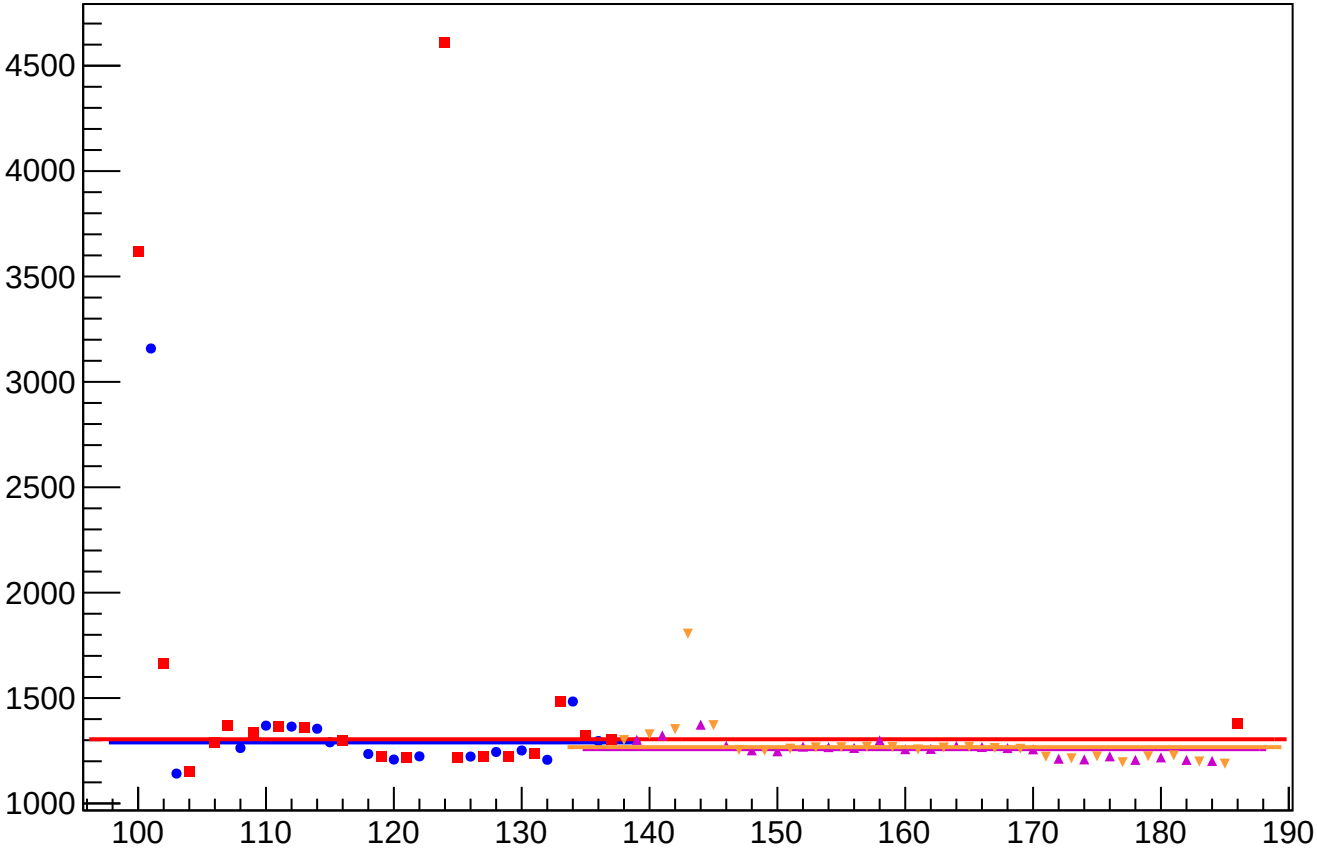
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 201.698+/-248.431 χ^2/NDF: 64.7/40

All: 255.166+/-176.211 χ^2/NDF: 100.1/83

- sign 309.301+/-249.977 χ^2/NDF: 35.3/42

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

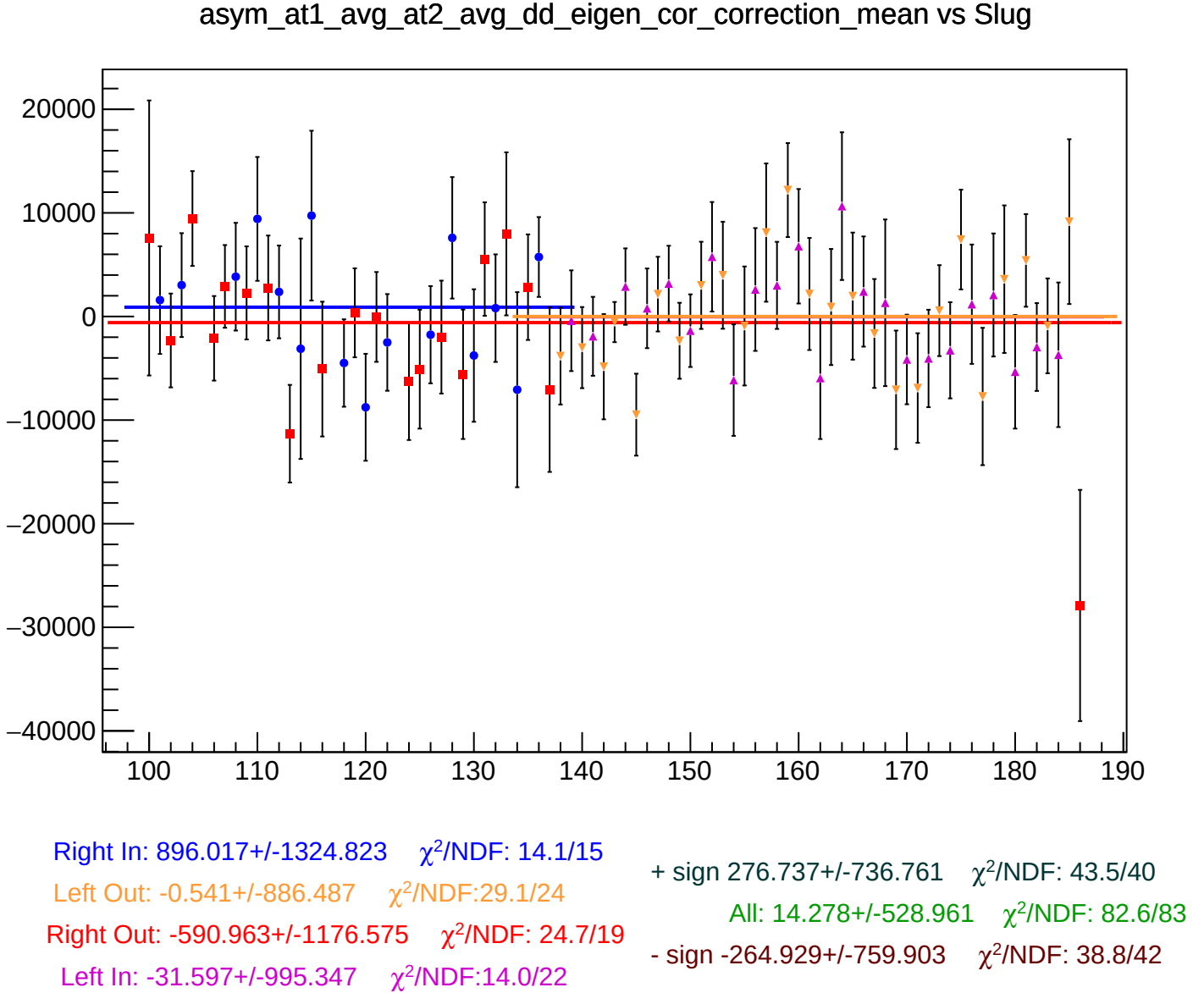
Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

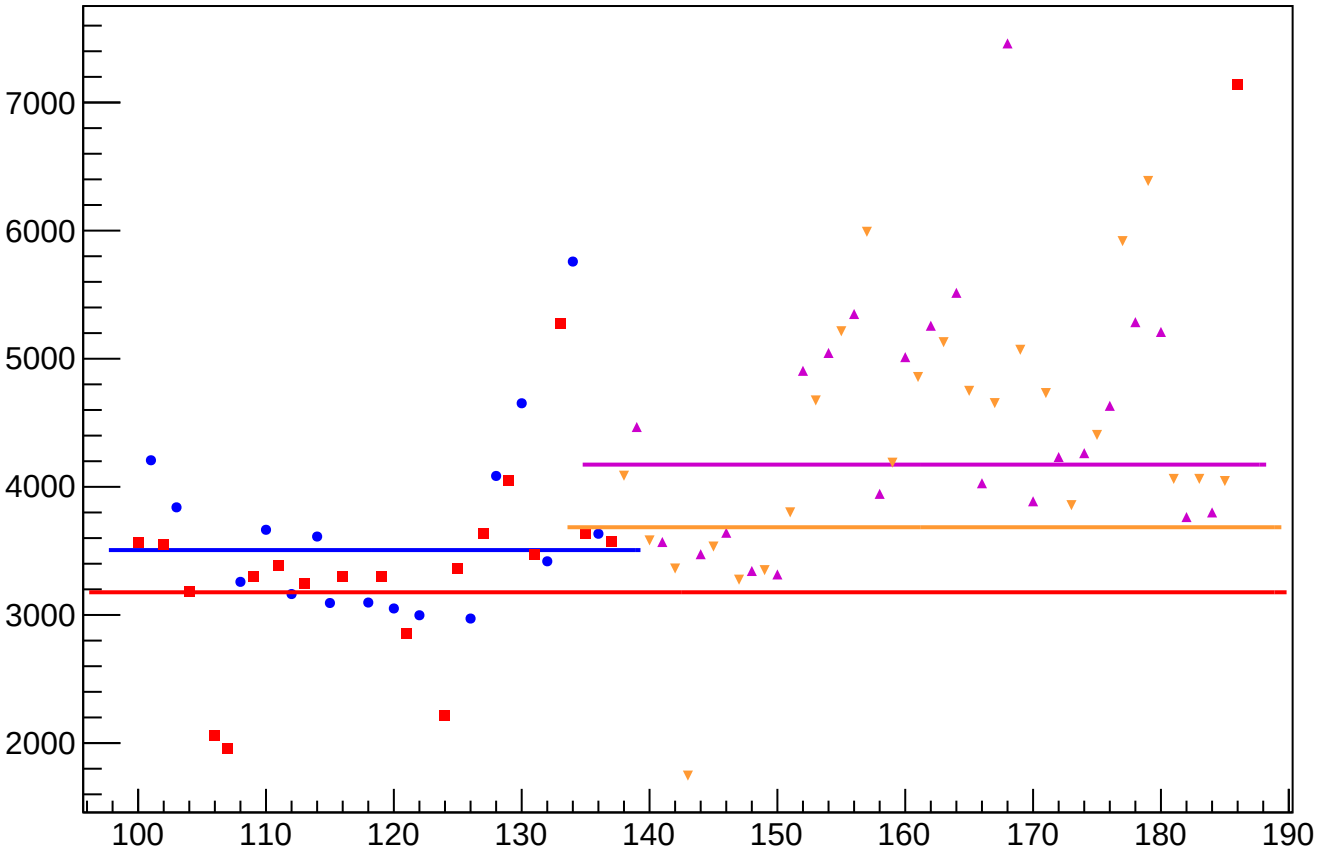
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.782+/-0.176 χ^2/NDF: 705365.9/40

All: 1271.668+/-0.125 χ^2/NDF: 1084813.4/83

- sign 1270.541+/-0.177 χ^2/NDF: 379366.6/42


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -590.963+/-1176.575 χ²/NDF: 24.7/19
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 276.737+/-736.761 χ²/NDF: 43.5/40
All: 14.278+/-528.961 χ²/NDF: 82.6/83
- sign -264.929+/-759.903 χ²/NDF: 38.8/42



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3177.131+/-0.832 χ^2/NDF: 904574.2/19

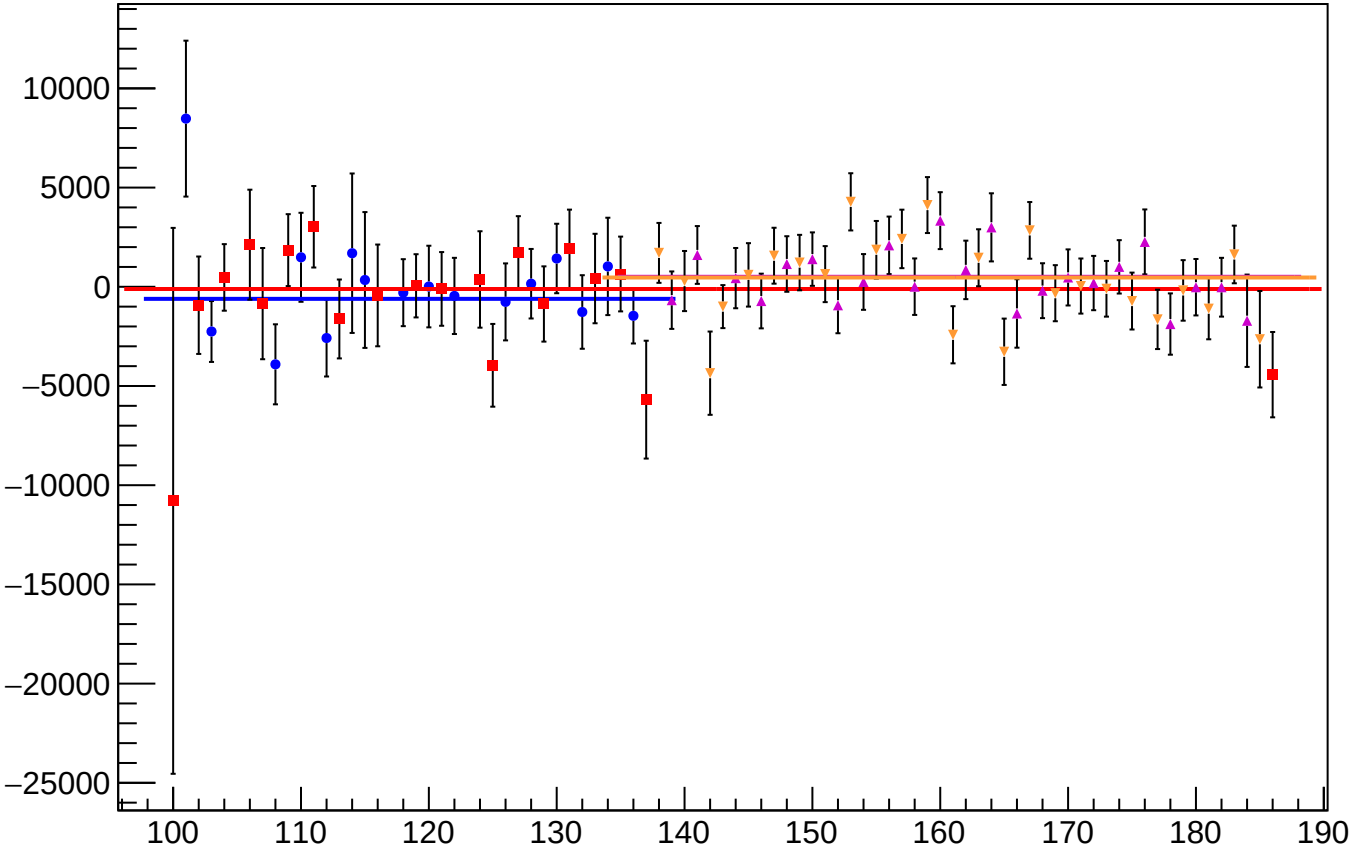
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3629.626+/-0.521 χ^2/NDF: 4071940.8/40

All: 3691.784+/-0.374 χ^2/NDF: 7116930.9/83

- sign 3757.908+/-0.537 χ^2/NDF: 3015610.7/42

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -111.422+/-473.633 χ^2/NDF: 19.1/19

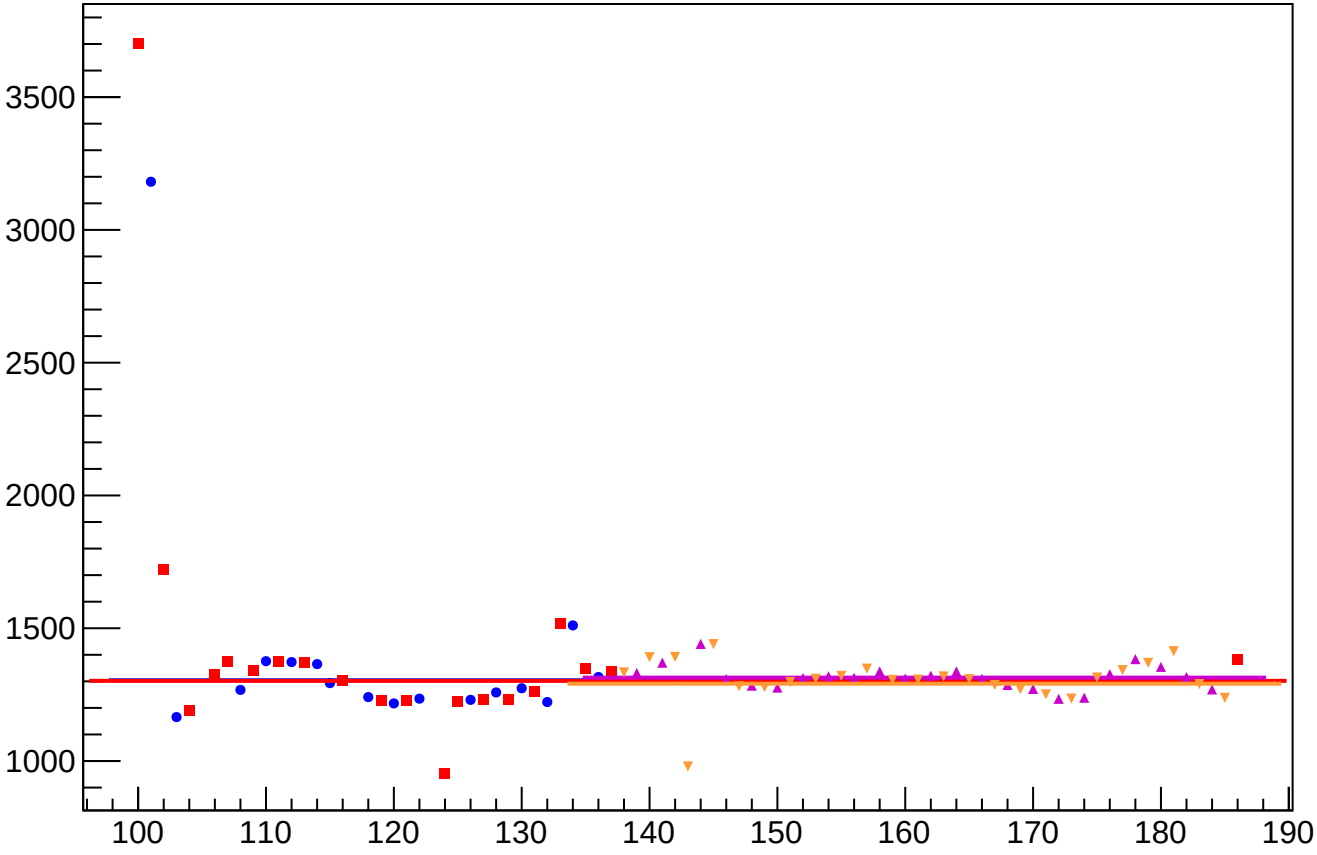
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 186.350+/-252.830 χ^2/NDF: 61.7/40

All: 252.686+/-180.457 χ^2/NDF: 99.6/83

- sign 321.574+/-257.649 χ^2/NDF: 37.7/42

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

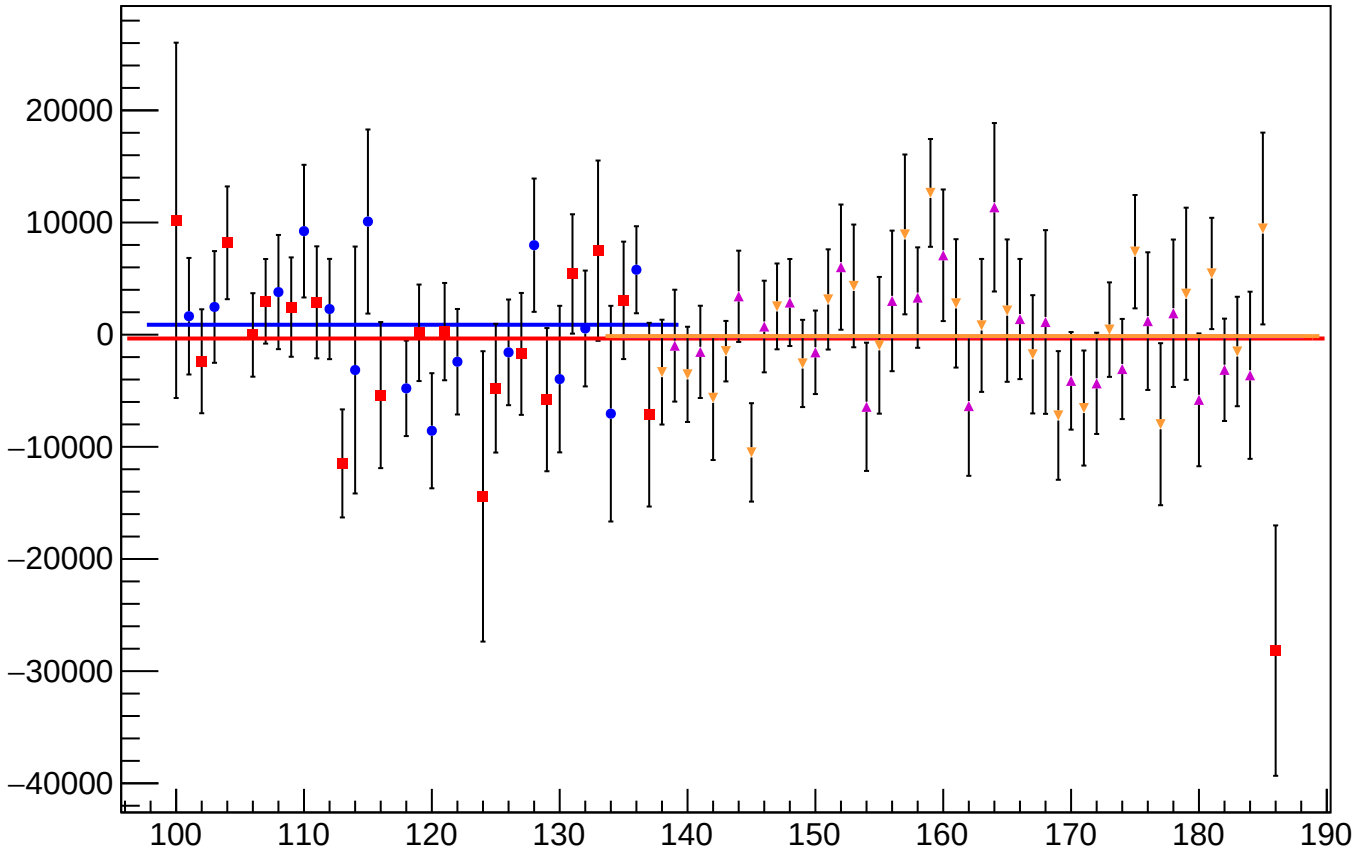
Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.2/19

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.585+/-0.179 χ^2/NDF: 742329.3/40

All: 1302.362+/-0.128 χ^2/NDF: 1006270.0/83

- sign 1310.435+/-0.182 χ^2/NDF: 260084.0/42



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

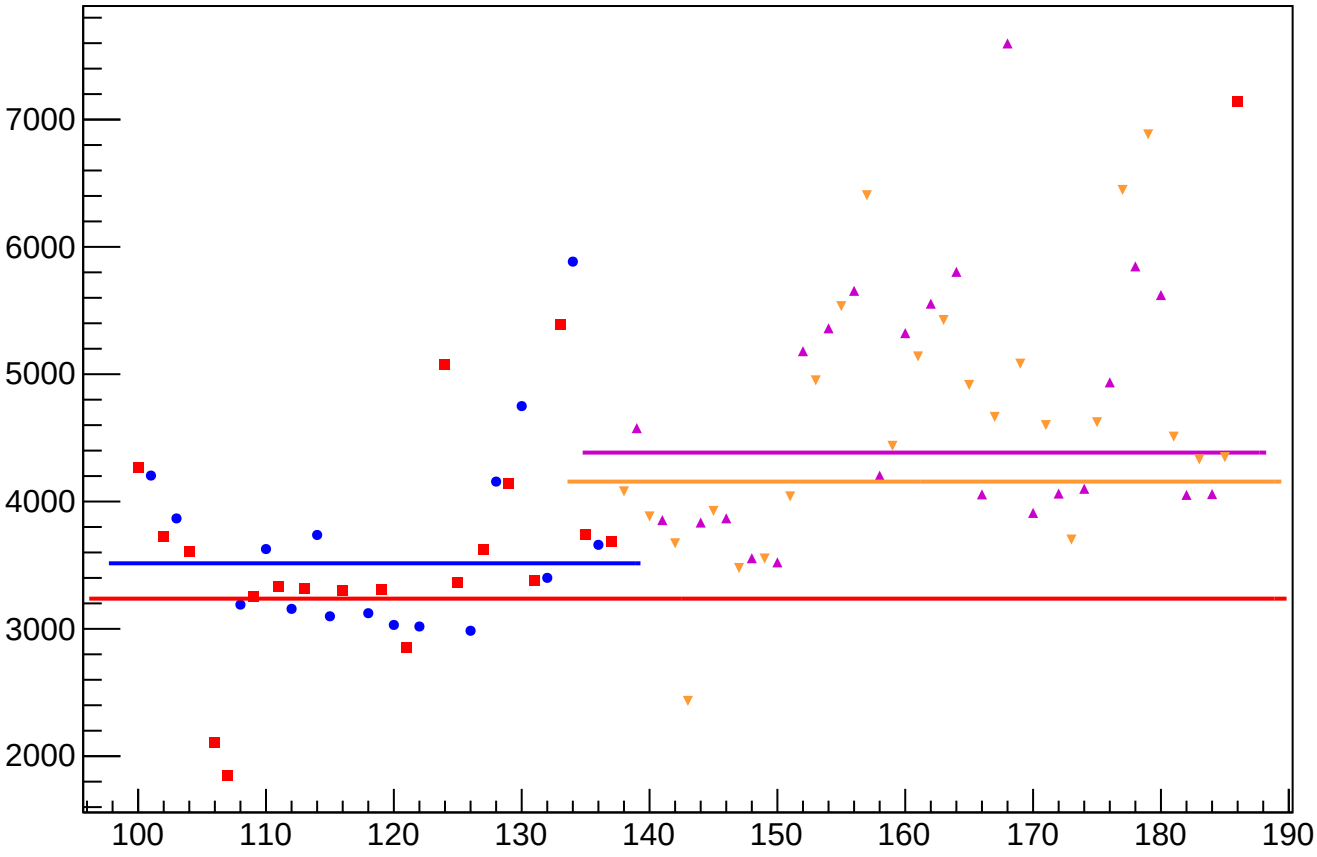
Right Out: -342.260+/-1193.140 χ^2/NDF: 23.1/19

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 228.197+/-786.967 χ^2/NDF: 43.1/40

All: -5.516+/-556.245 χ^2/NDF: 80.1/83

- sign -238.853+/-786.332 χ^2/NDF: 36.9/42



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

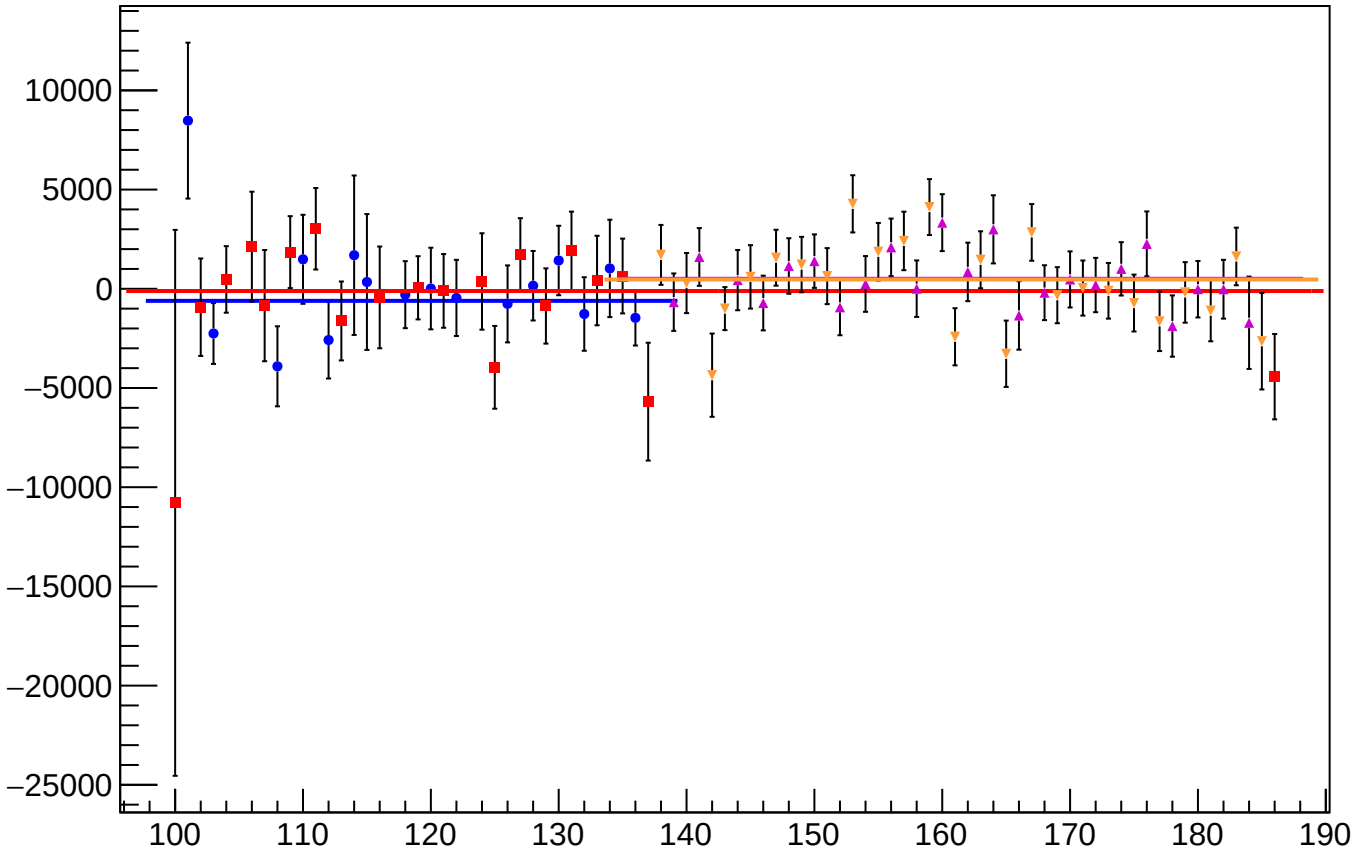
Right Out: 3237.299+/-0.844 χ^2/NDF: 1019707.5/19

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3930.984+/-0.556 χ^2/NDF: 2759089.8/40

All: 3908.537+/-0.393 χ^2/NDF: 6083078.1/83

- sign 3886.125+/-0.556 χ^2/NDF: 3320736.4/42



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -111.413+/-473.633 χ^2/NDF: 19.1/19

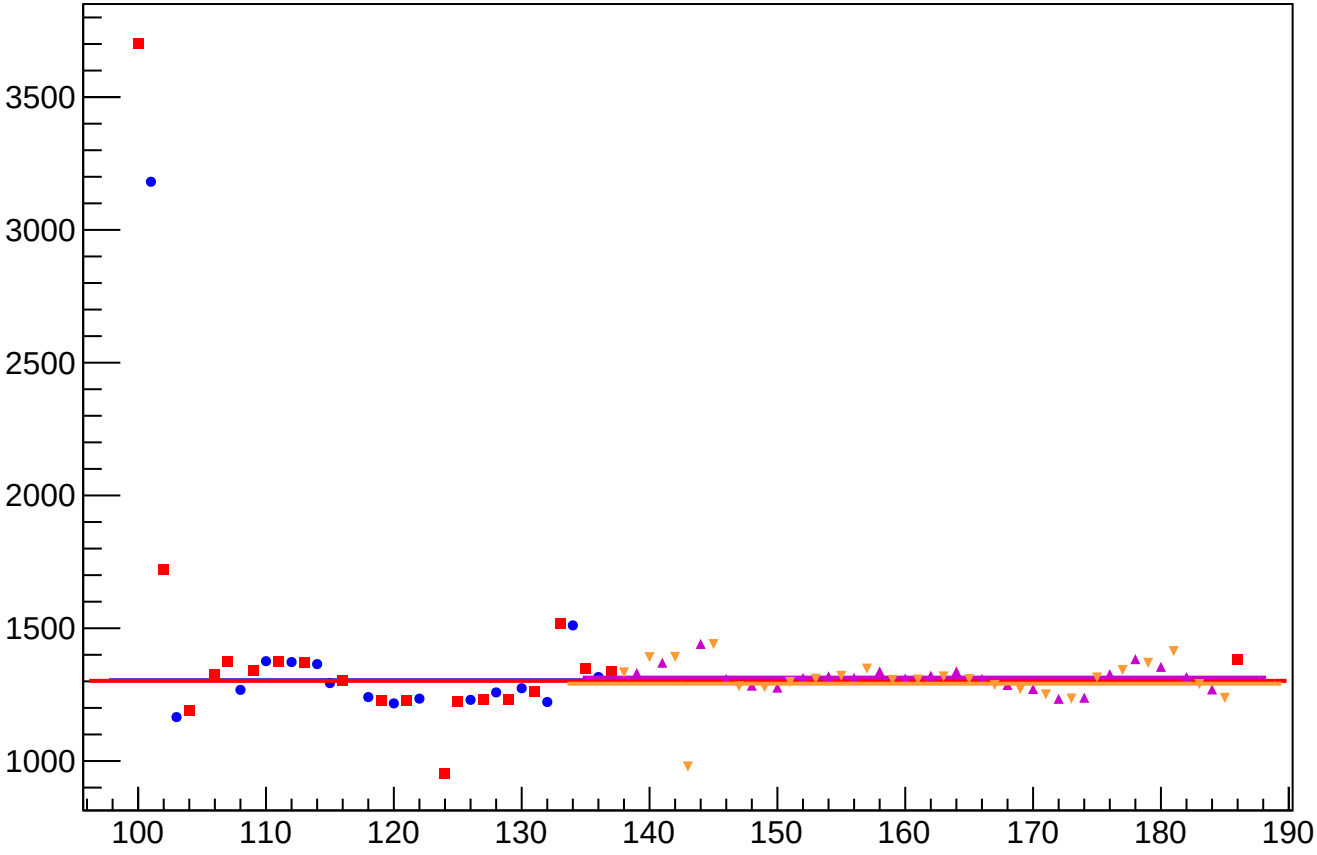
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 186.352+/-252.830 χ^2/NDF: 61.7/40

All: 252.688+/-180.458 χ^2/NDF: 99.6/83

- sign 321.577+/-257.649 χ^2/NDF: 37.7/42

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

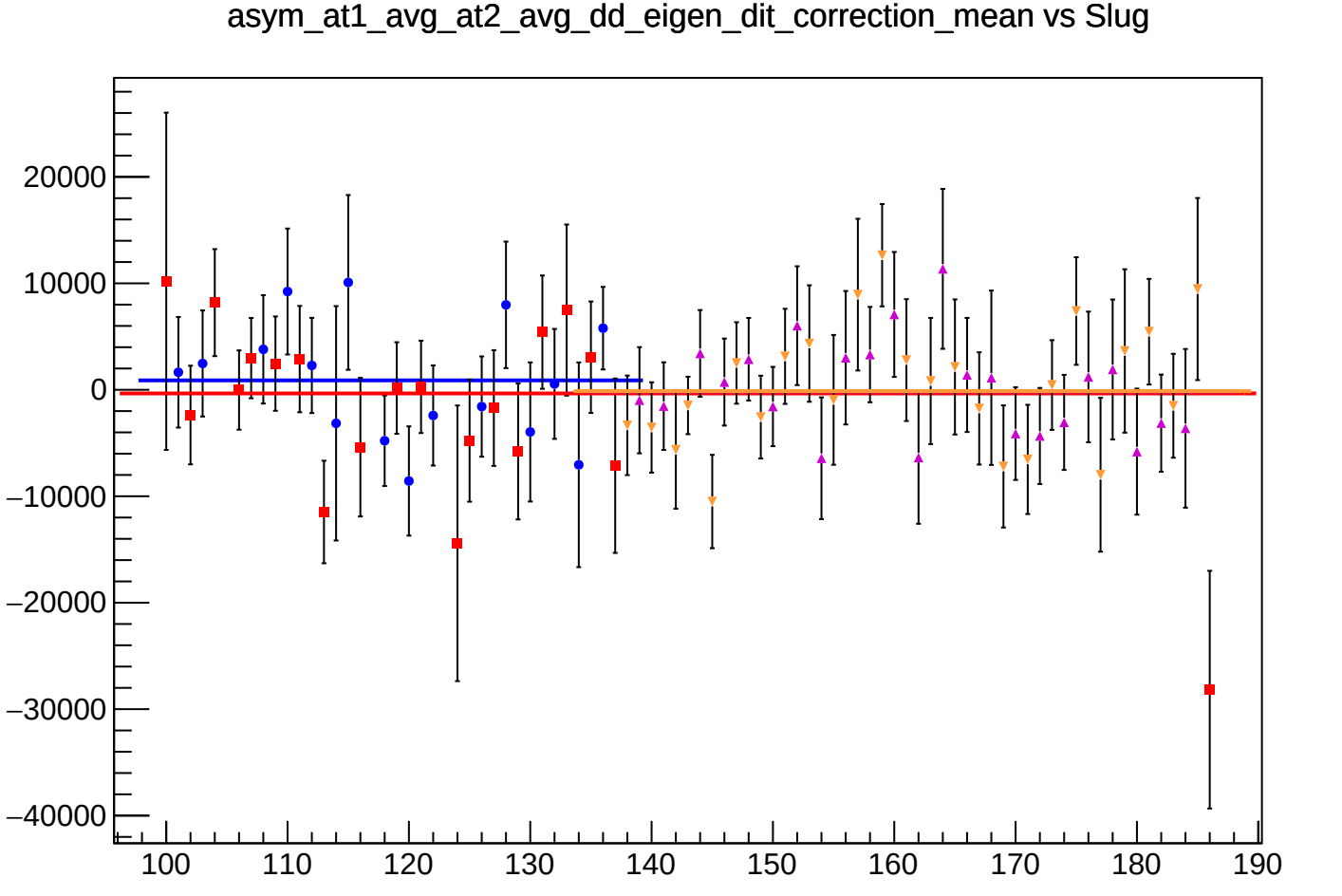
Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.3/19

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.586+/-0.179 χ^2/NDF: 742331.8/40

All: 1302.363+/-0.128 χ^2/NDF: 1006274.8/83

- sign 1310.436+/-0.182 χ^2/NDF: 260086.4/42



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

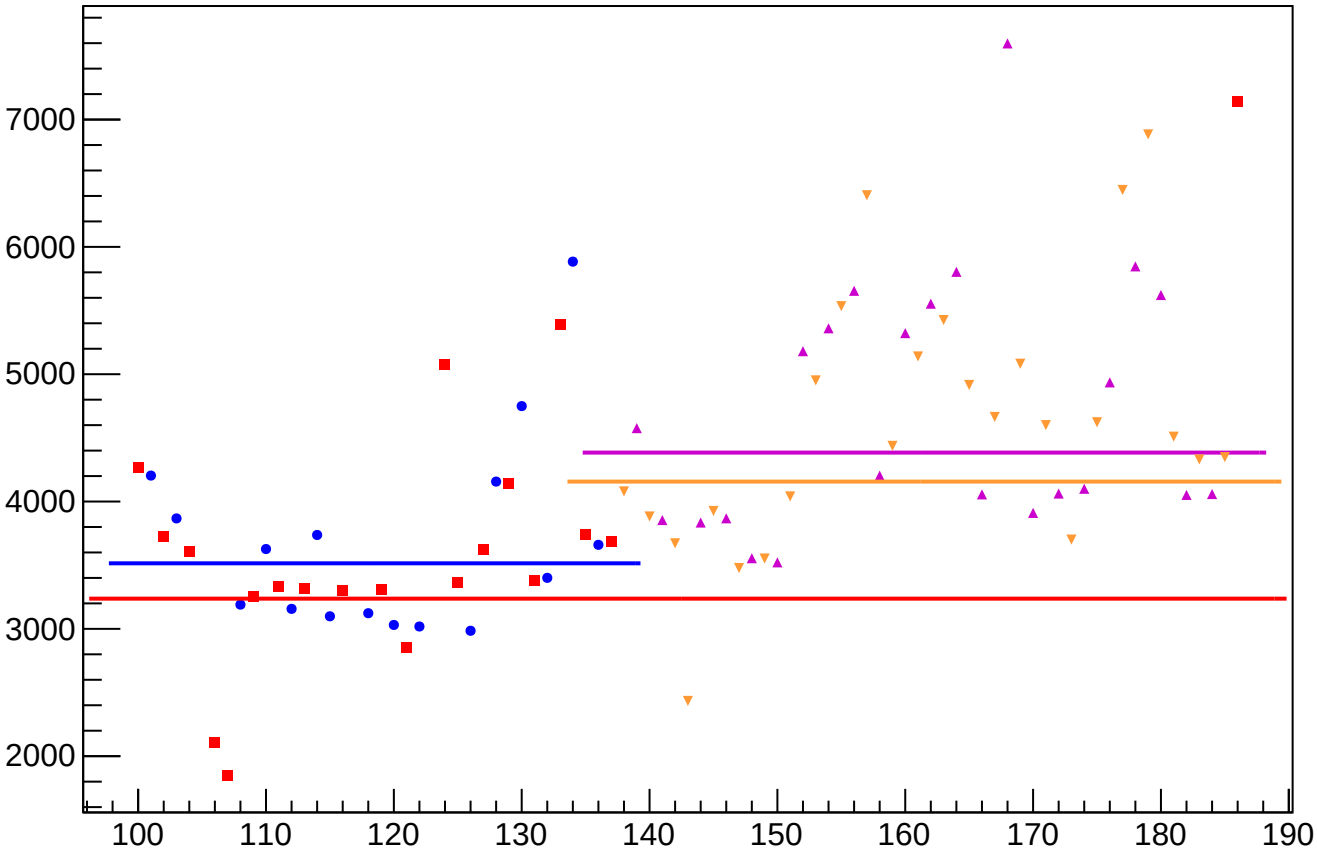
Right Out: -342.255+/-1193.137 χ^2/NDF: 23.1/19

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

\+ sign 228.197+/-786.967 χ^2/NDF: 43.1/40

All: -5.516+/-556.245 χ^2/NDF: 80.1/83

\- sign -238.852+/-786.332 χ^2/NDF: 36.9/42



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

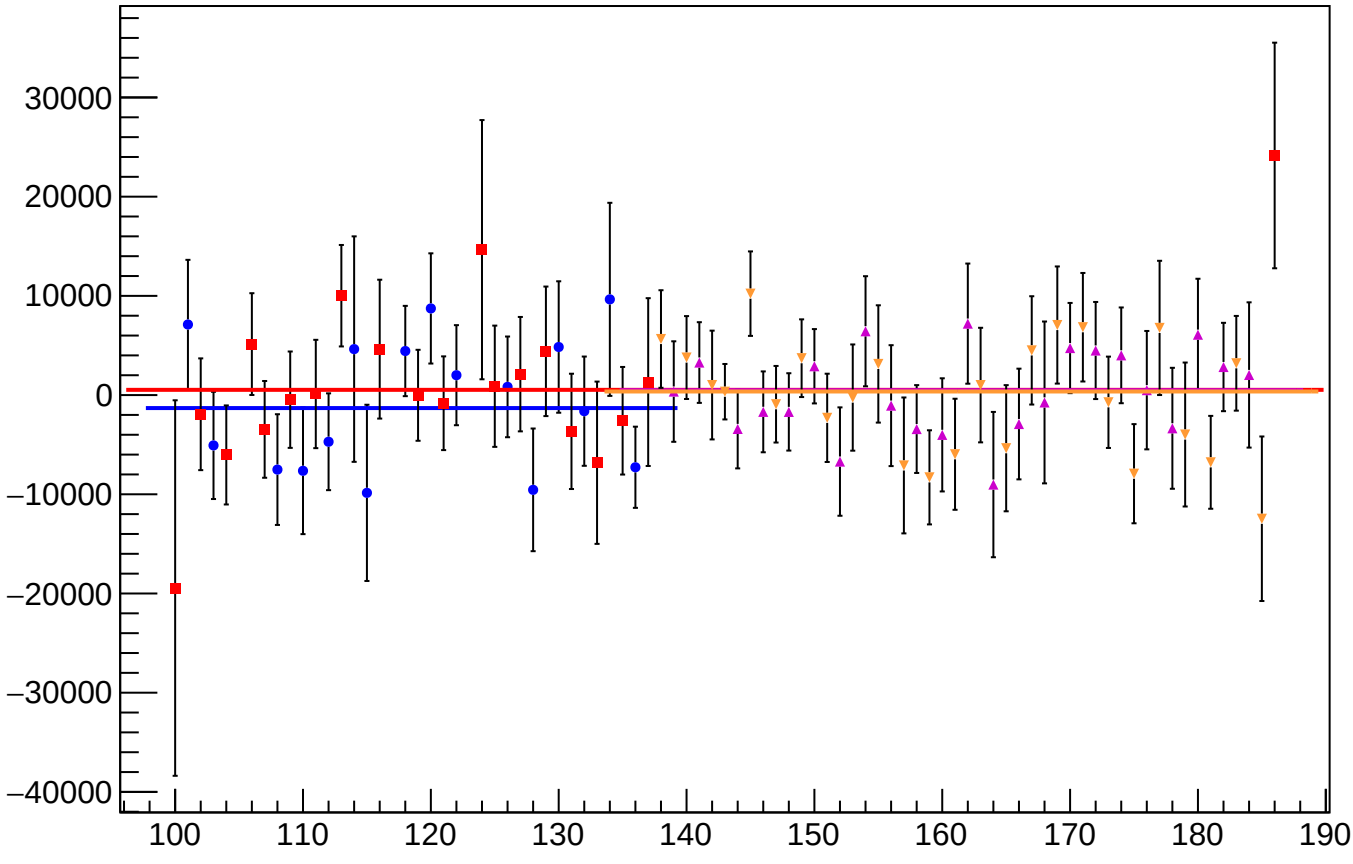
Right Out: 3237.291+/-0.844 χ^2/NDF: 1019710.1/19

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3930.984+/-0.556 χ^2/NDF: 2759112.2/40

All: 3908.536+/-0.393 χ^2/NDF: 6083135.6/83

- sign 3886.123+/-0.556 χ^2/NDF: 3320771.2/42



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 527.725+/-1326.934 χ^2/NDF: 16.0/19

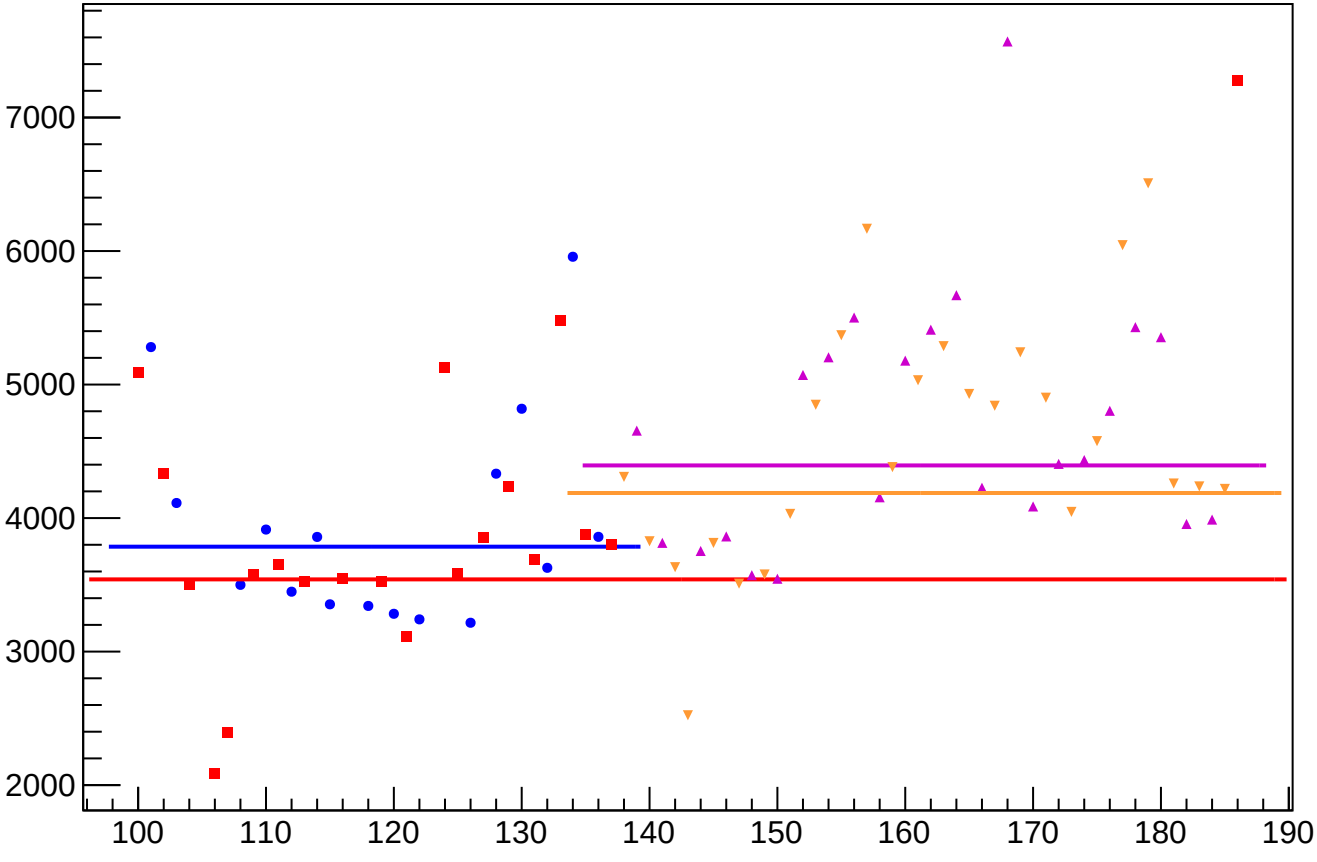
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -170.823+/-808.599 χ^2/NDF: 46.2/40

All: 164.023+/-576.044 χ^2/NDF: 76.4/83

- sign 509.080+/-820.836 χ^2/NDF: 29.9/42

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

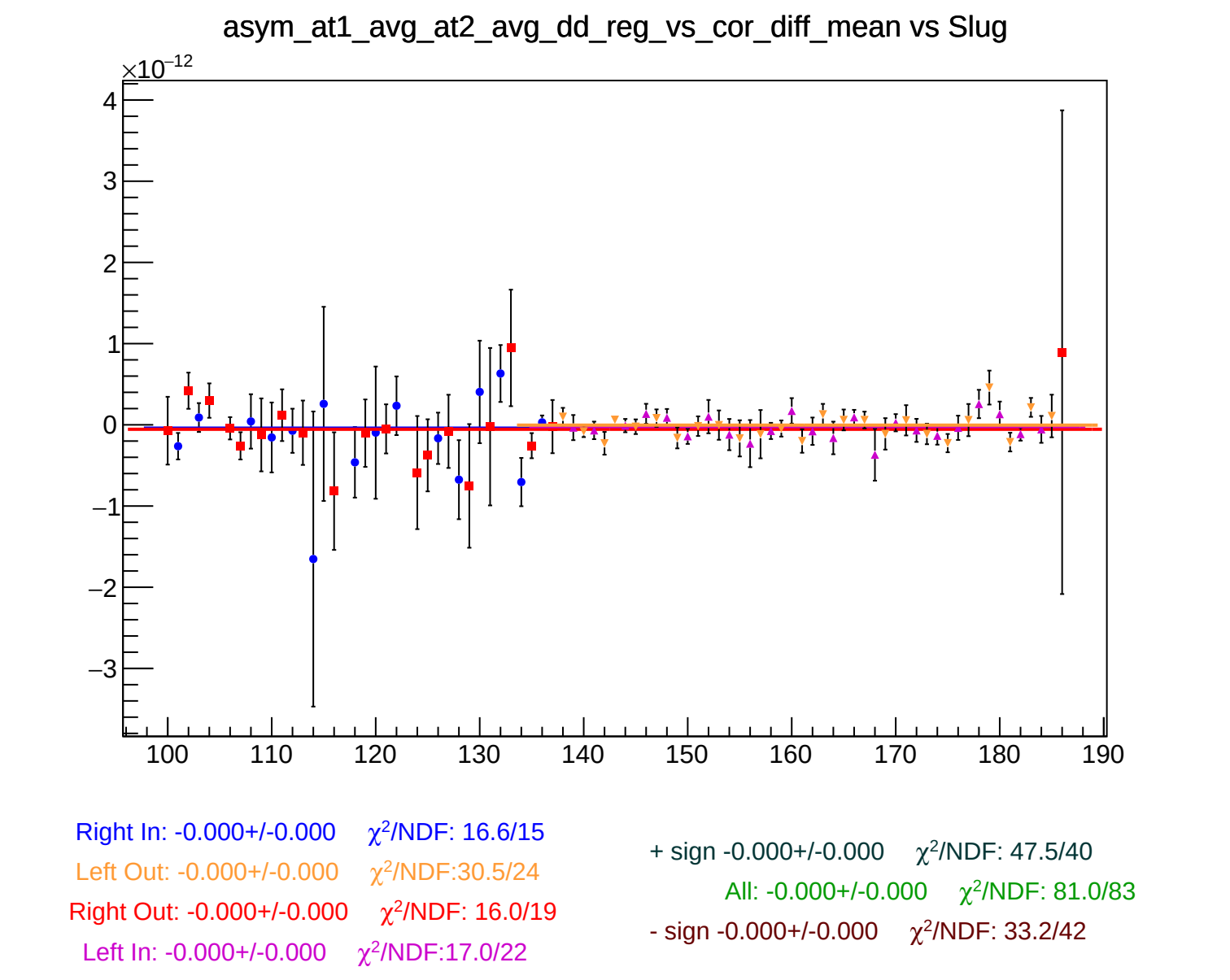
Right Out: 3540.810+/-0.926 χ^2/NDF: 805651.3/19

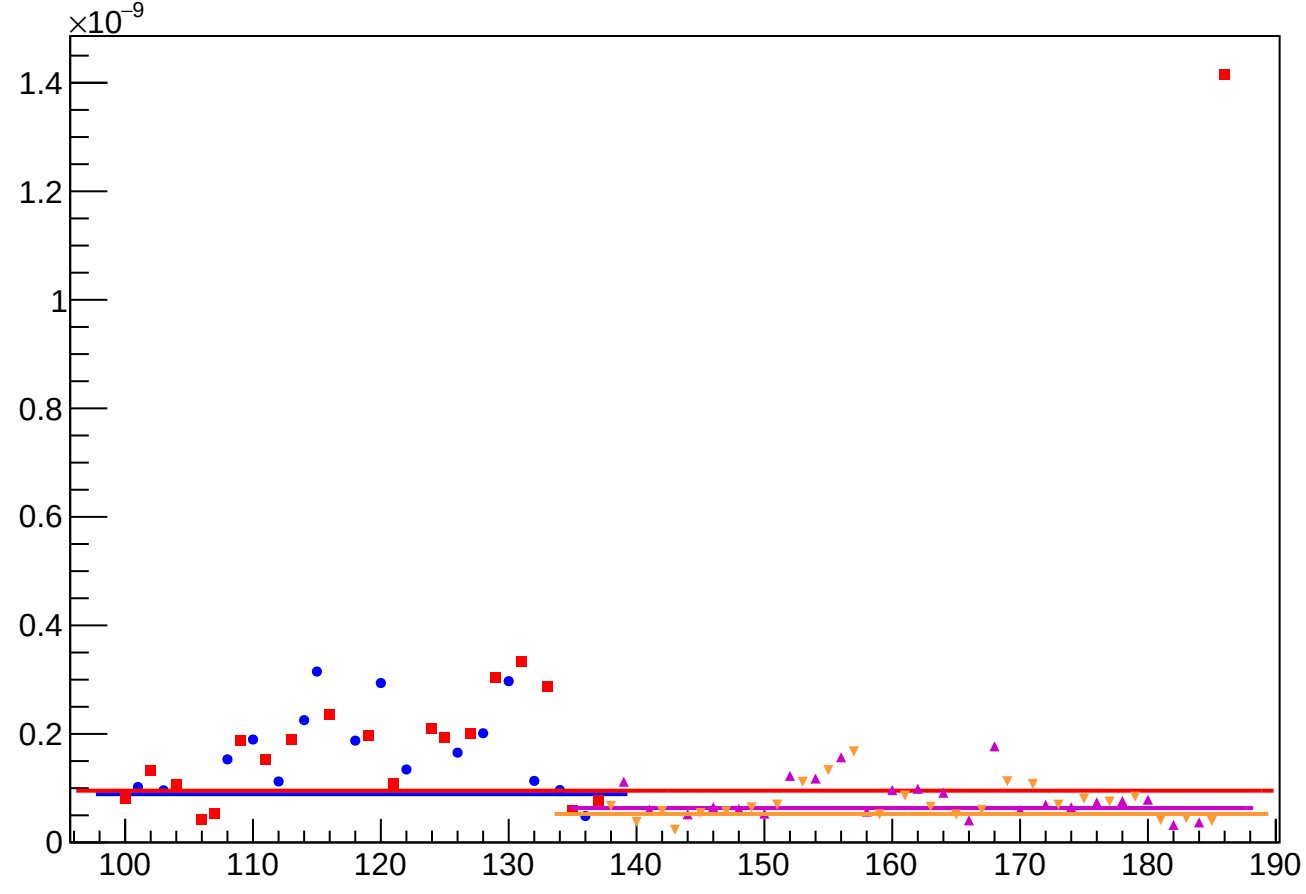
Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4059.579+/-0.572 χ^2/NDF: 2286769.5/40

All: 4060.897+/-0.406 χ^2/NDF: 4700224.5/83

- 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: 16.6/15
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: 47.5/40
All: -0.000+/-0.000 χ²/NDF: 81.0/83
- sign -0.000+/-0.000 χ²/NDF: 33.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

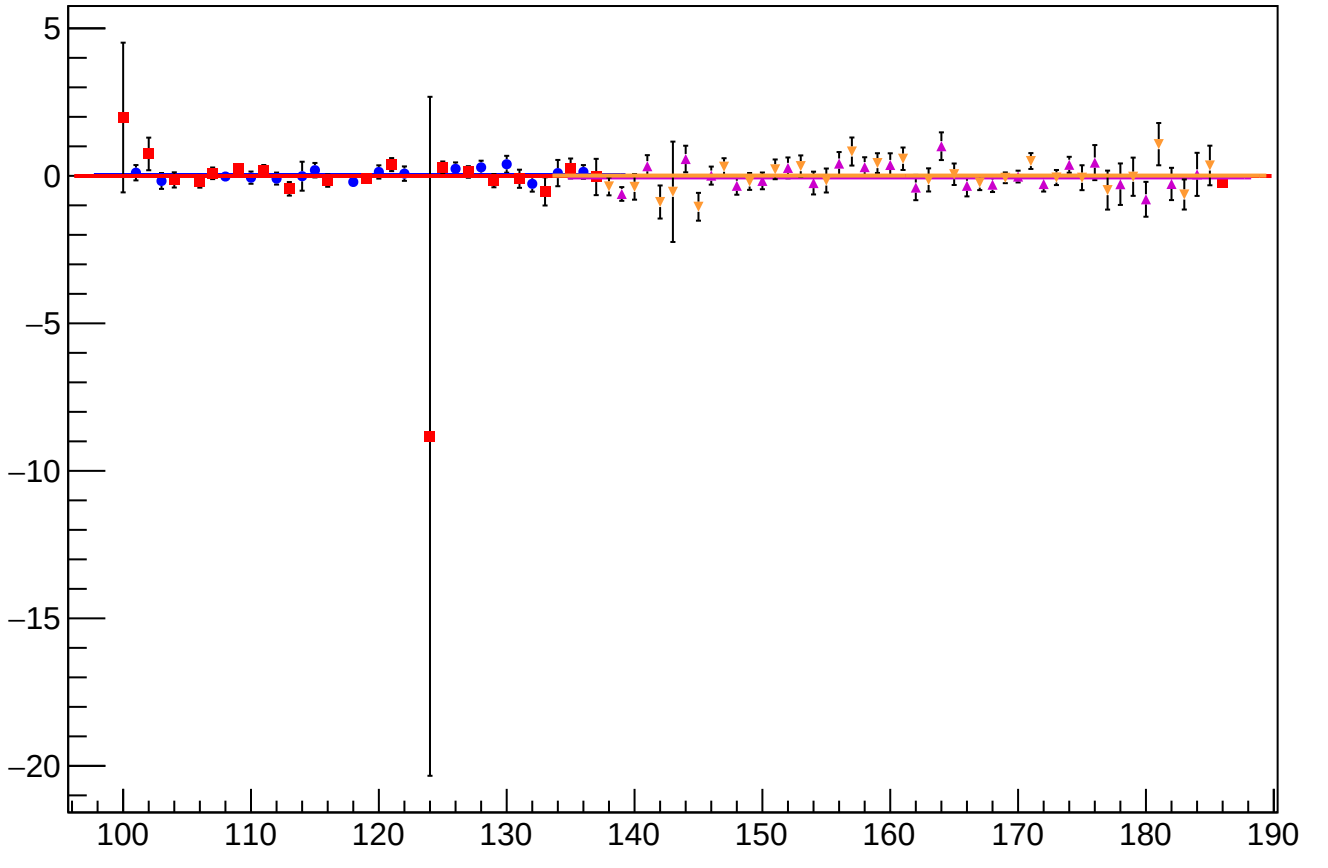
Right Out: 0.000+/-0.000 χ^2/NDF: 2127050.6/19

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4759267.3/40

All: 0.000+/-0.000 χ^2/NDF: 9339600.5/83

- sign 0.000+/-0.000 χ^2/NDF: 4344977.8/42



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

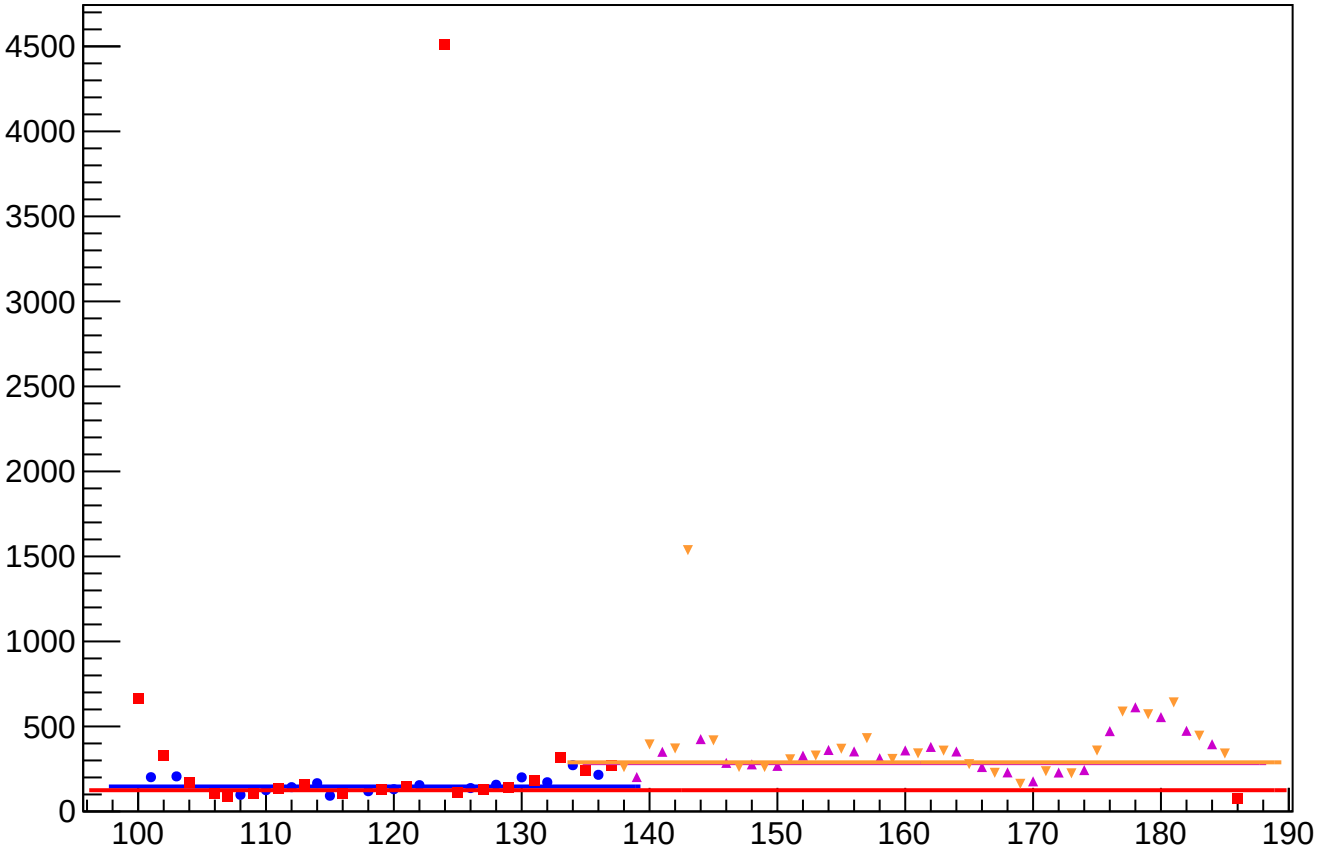
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.020+/-0.045 χ^2/NDF: 38.4/40

All: -0.002+/-0.030 χ^2/NDF: 91.0/83

- 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: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 124.903+/-0.036 χ^2/NDF: 1990528.4/19

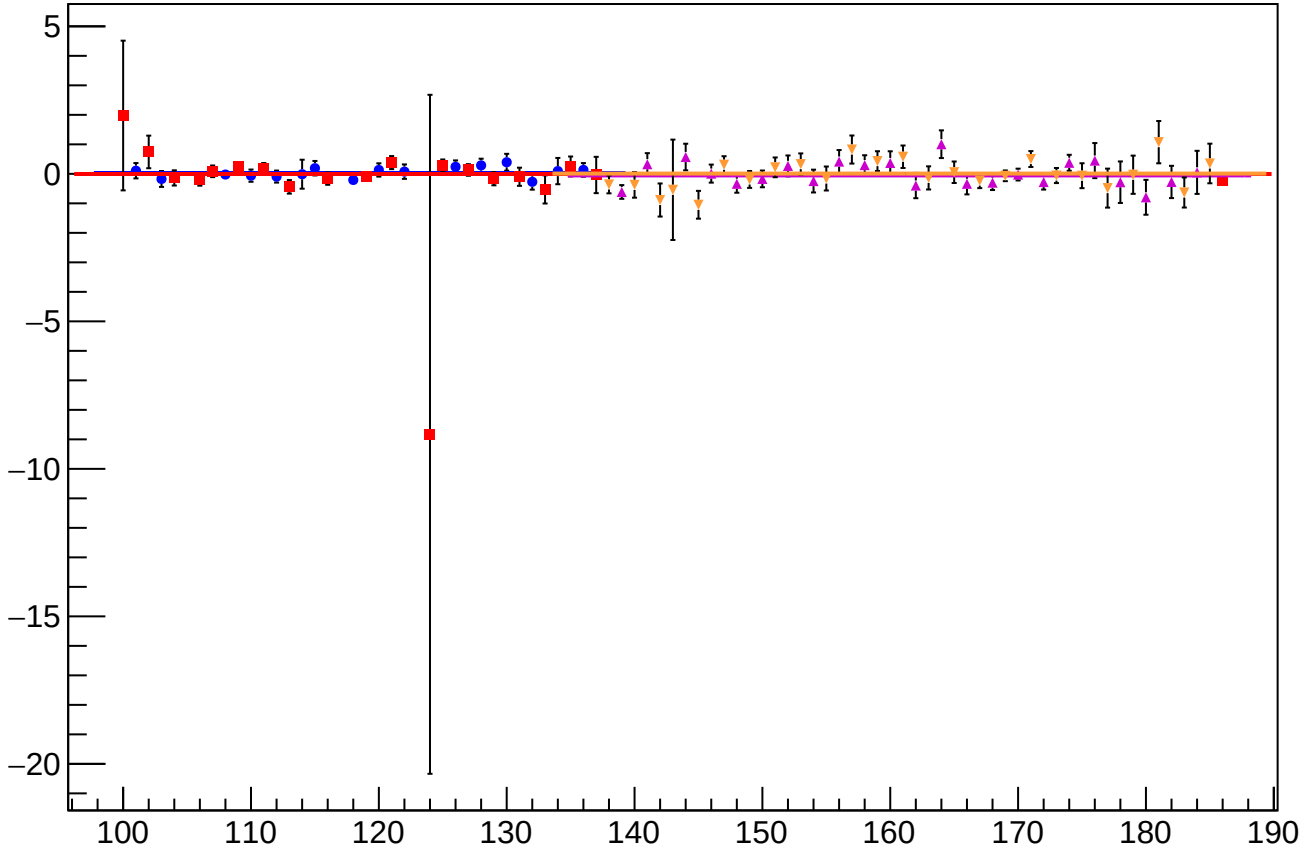
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 203.332+/-0.032 χ^2/NDF: 10469528.6/40

All: 189.837+/-0.021 χ^2/NDF: 22654834.0/83

- sign 178.593+/-0.029 χ^2/NDF: 11852392.4/42

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

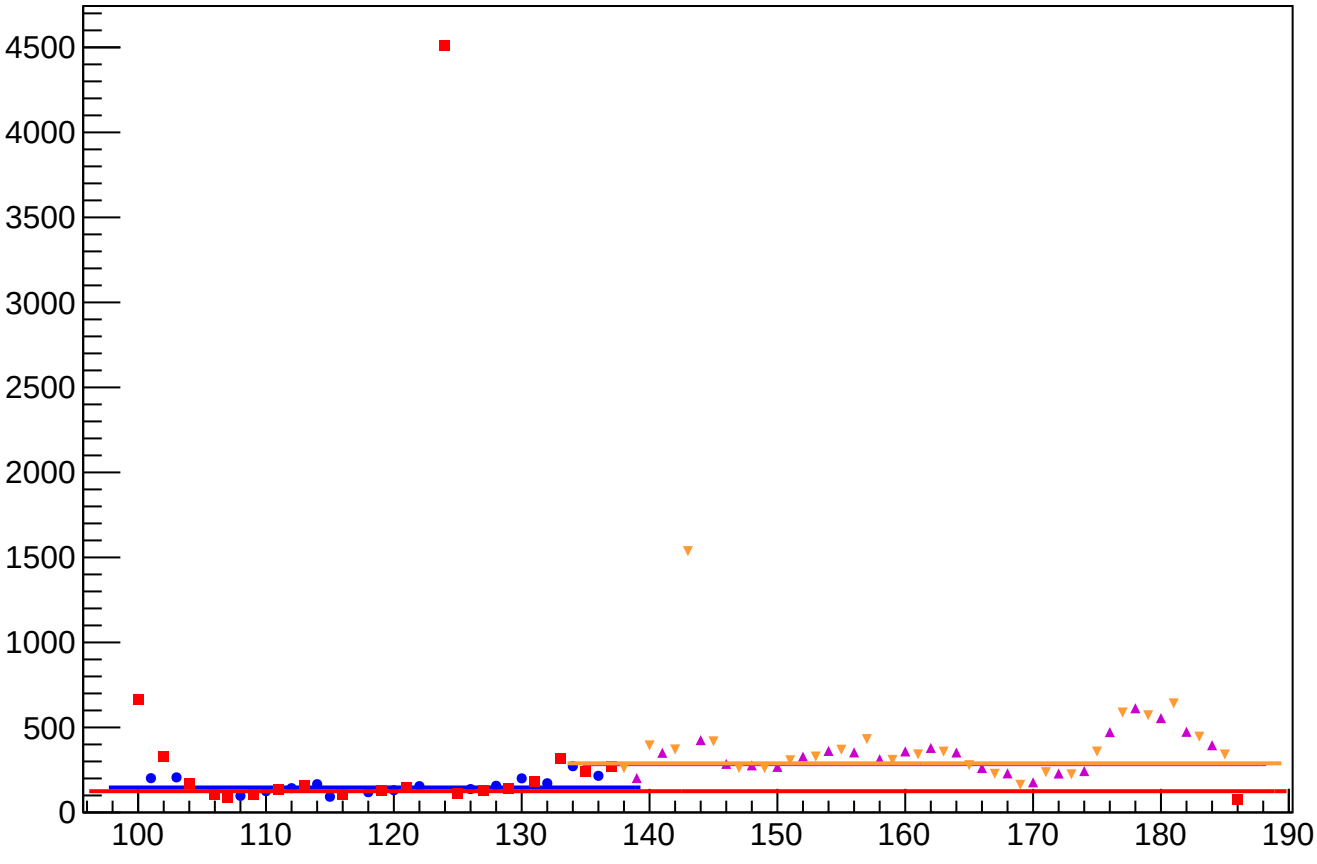
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.020+/-0.045 χ^2/NDF: 38.4/40

All: -0.002+/-0.030 χ^2/NDF: 91.0/83

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

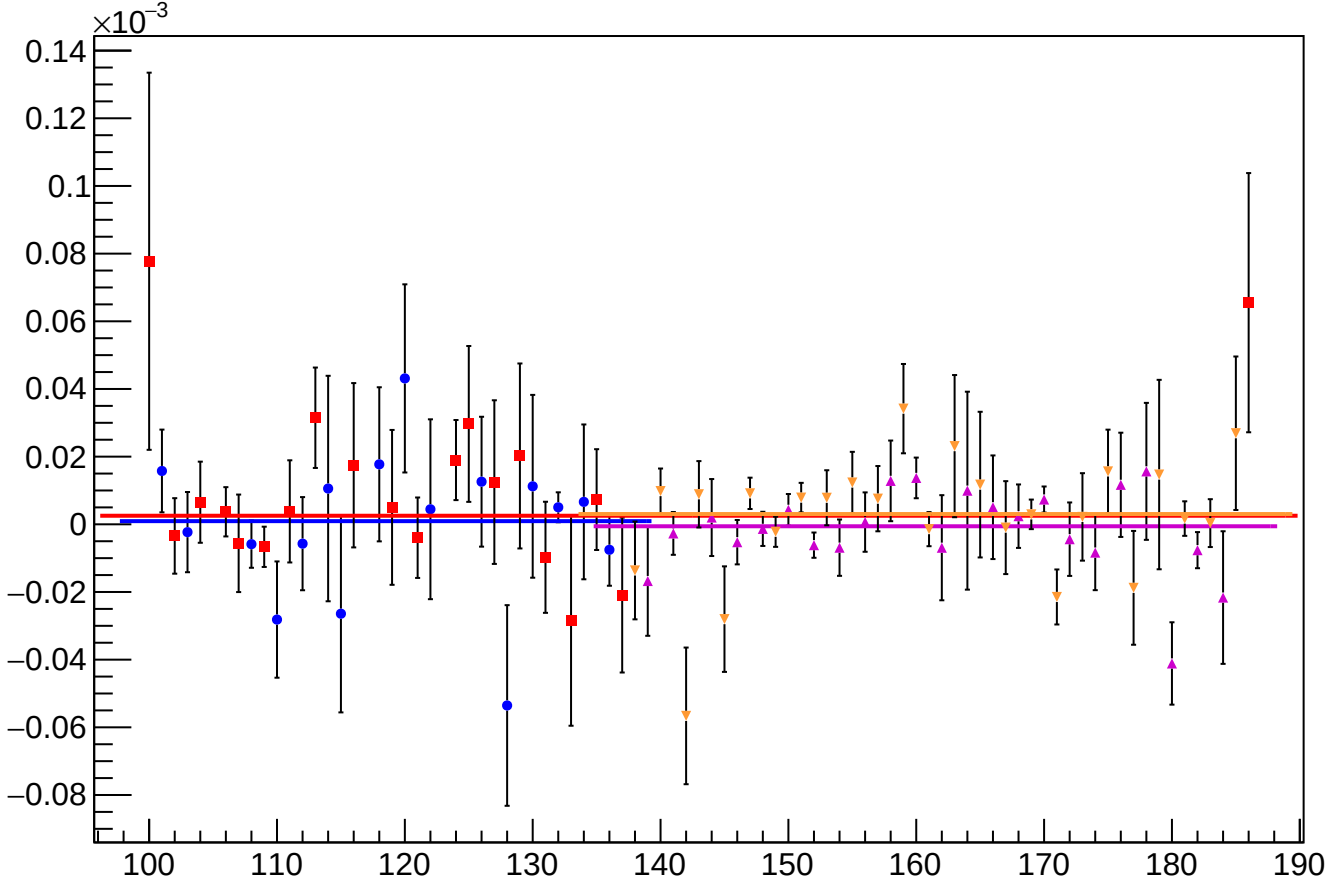
Right Out: 124.903+/-0.036 χ^2/NDF: 1990528.4/19

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 203.332+/-0.032 χ^2/NDF: 10469528.6/40

All: 189.837+/-0.021 χ^2/NDF: 22654834.0/83

- sign 178.593+/-0.029 χ^2/NDF: 11852392.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

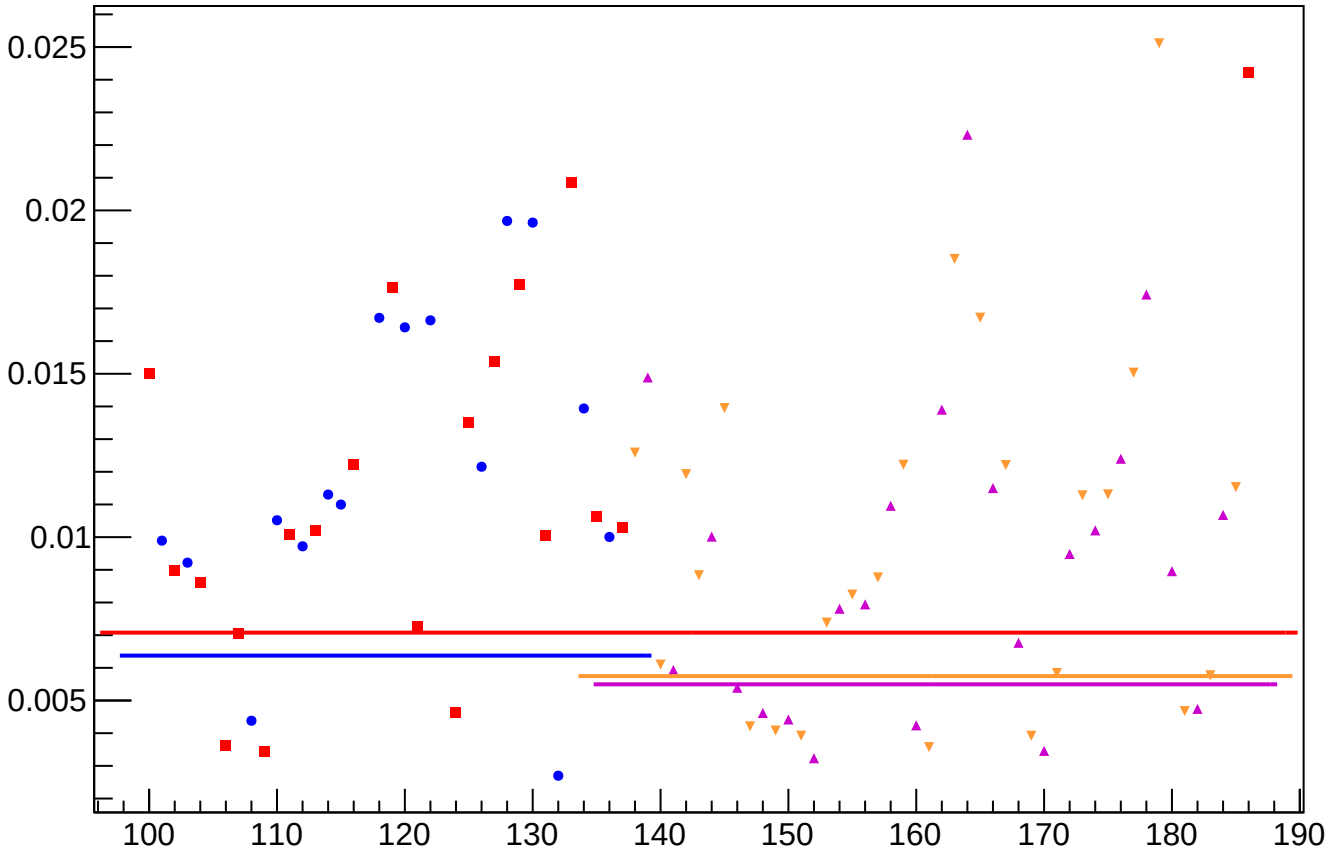
Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.5/40

All: 0.000+/-0.000 χ^2/NDF: 112.1/83

- sign 0.000+/-0.000 χ^2/NDF: 52.8/42



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

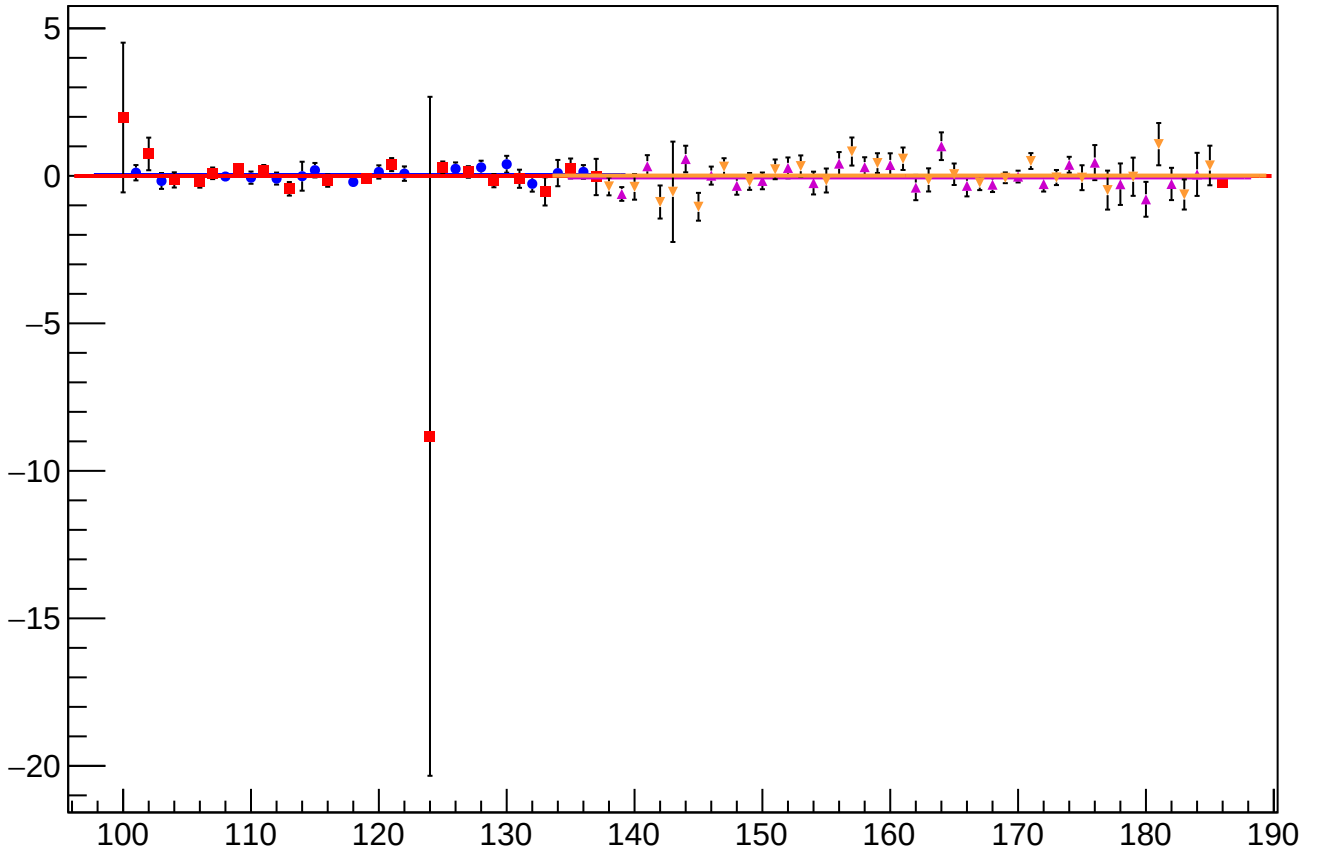
Right Out: 0.007+/-0.000 χ^2/NDF: 3813334.3/19

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 12840534.1/40

All: 0.006+/-0.000 χ^2/NDF: 24035502.7/83

- sign 0.006+/-0.000 χ^2/NDF: 11192731.8/42



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

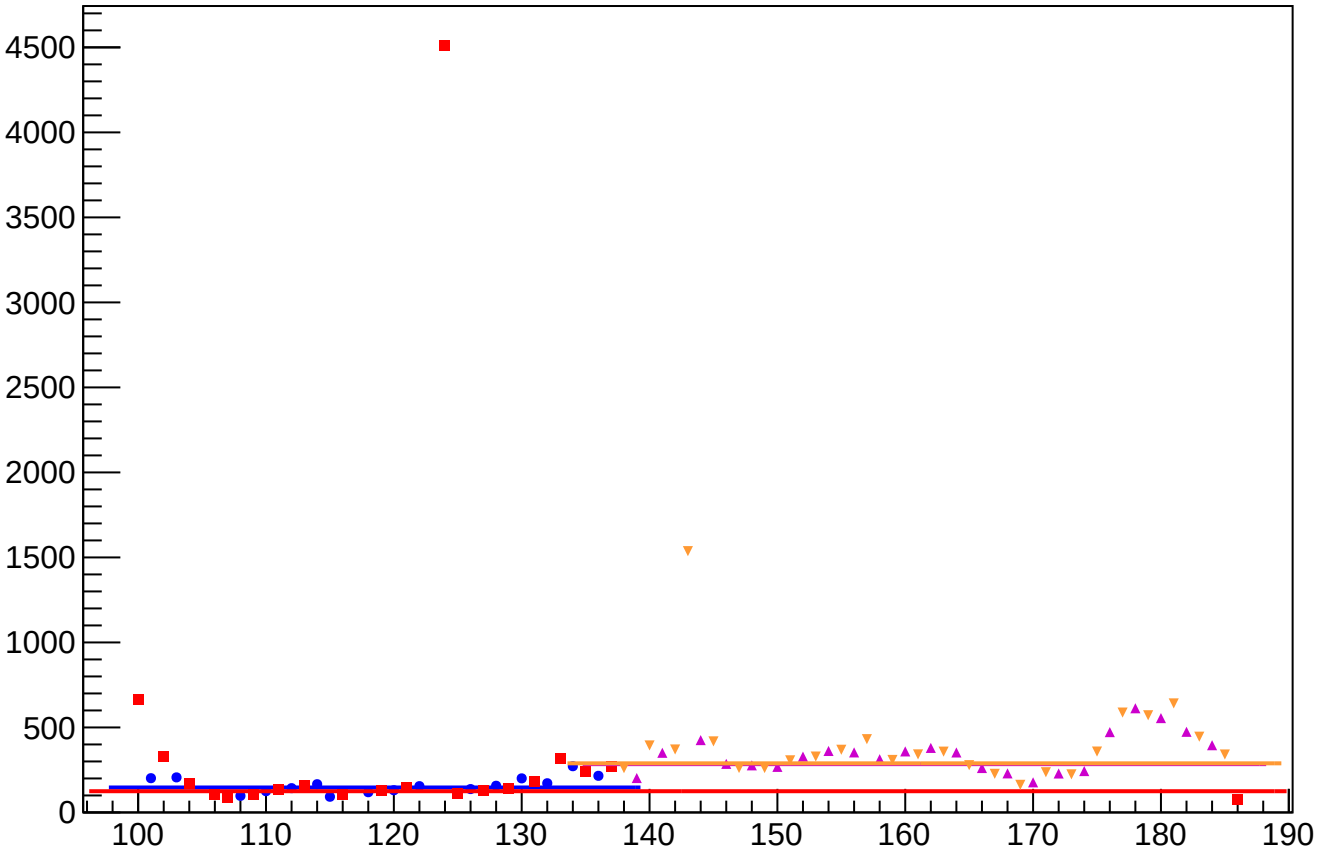
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.021+/-0.045 χ^2/NDF: 38.4/40

All: -0.002+/-0.030 χ^2/NDF: 91.0/83

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

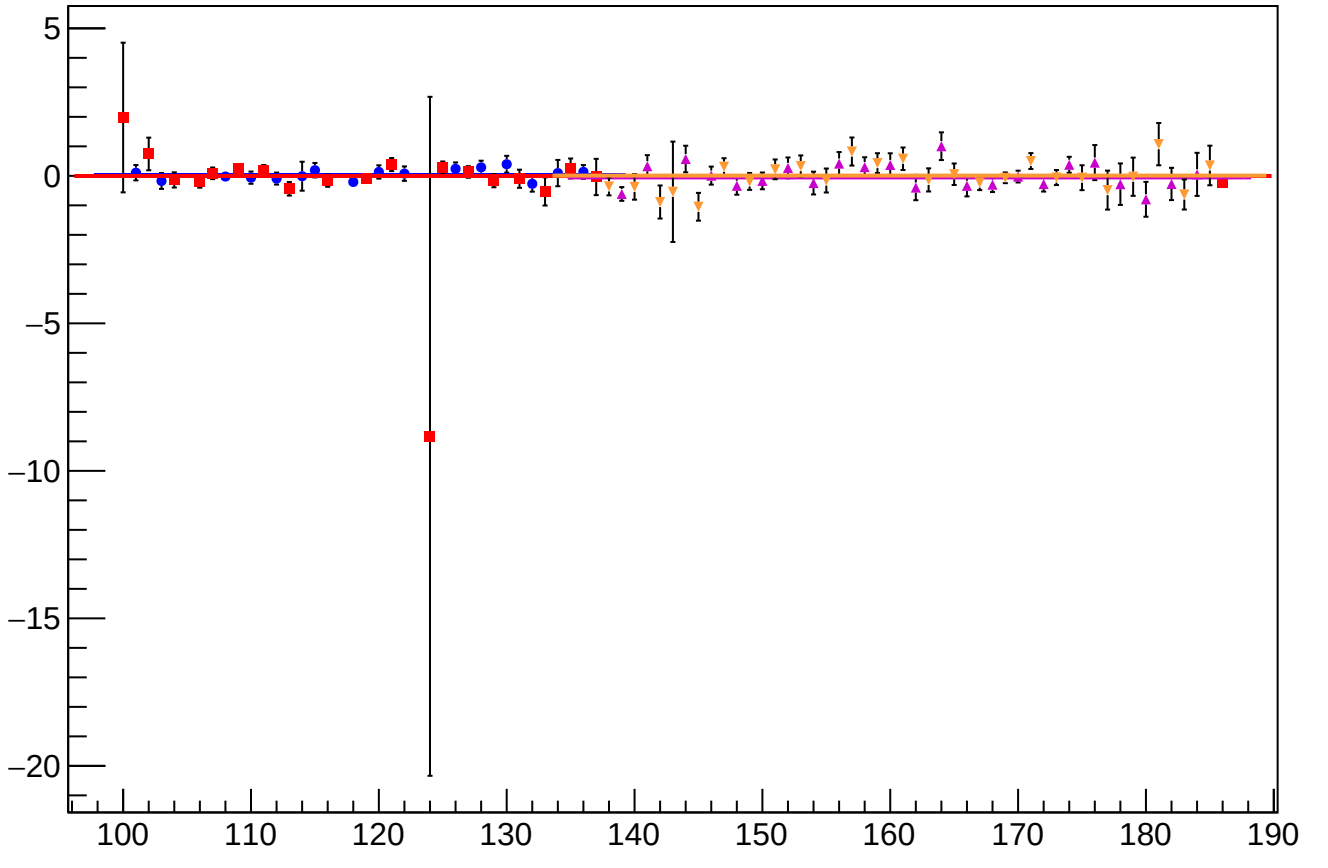
Right Out: 124.905+/-0.036 χ^2/NDF: 1990418.8/19

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 203.331+/-0.032 χ^2/NDF: 10469666.3/40

All: 189.838+/-0.021 χ^2/NDF: 22654775.1/83

- sign 178.595+/-0.029 χ^2/NDF: 11852258.1/42



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

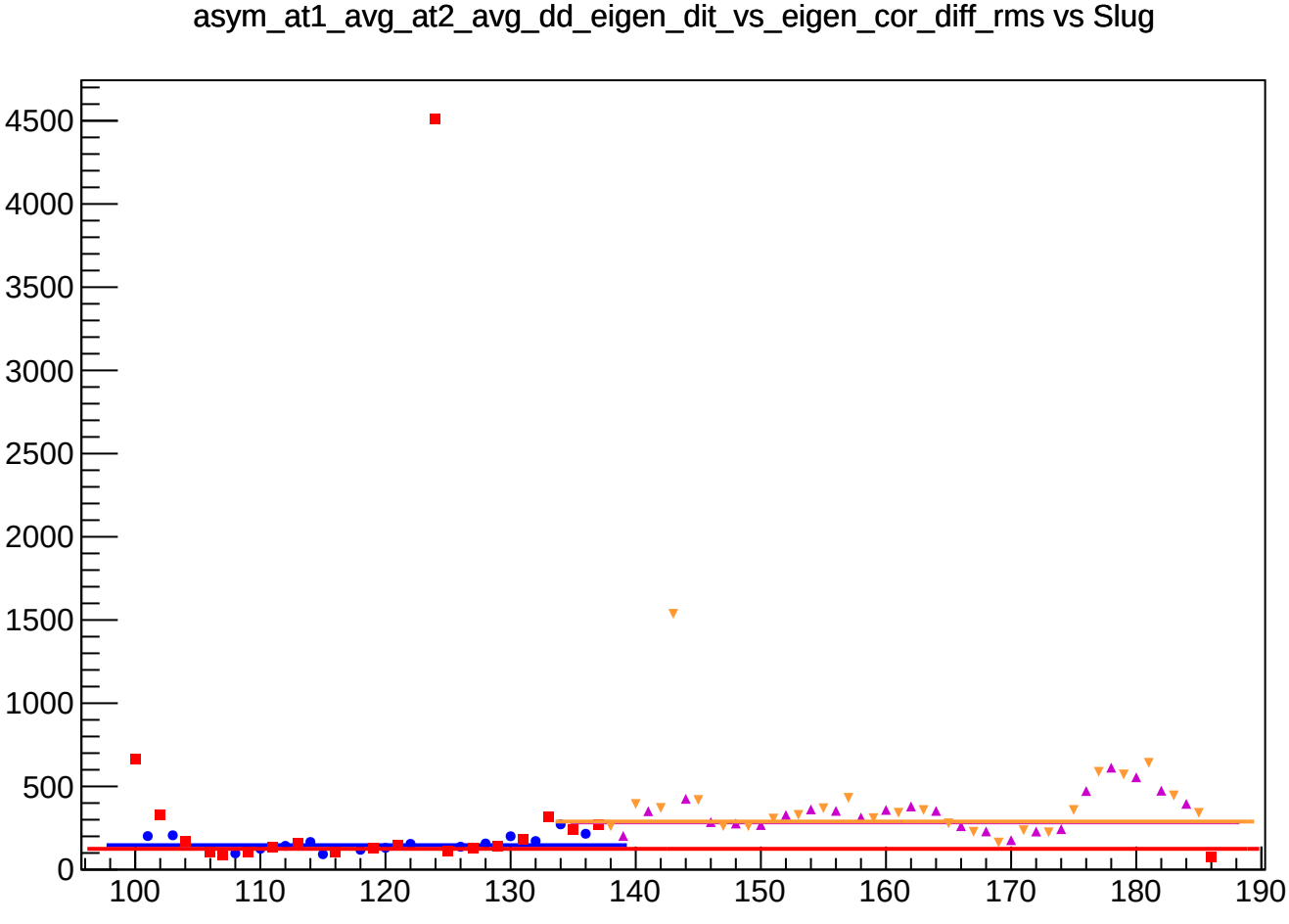
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.021+/-0.045 χ^2/NDF: 38.4/40

All: -0.002+/-0.030 χ^2/NDF: 91.0/83

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

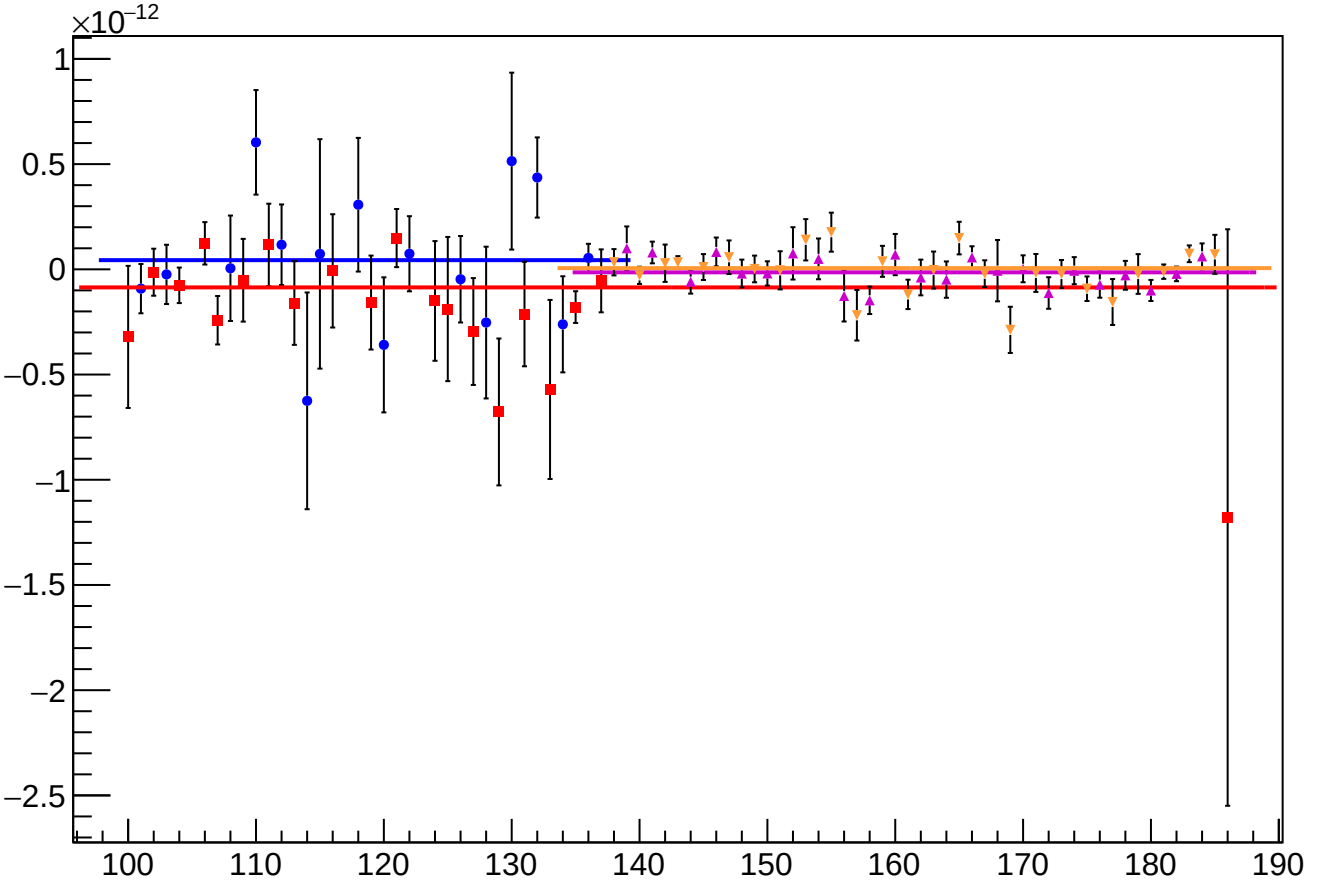
Right Out: 124.905+/-0.036 χ^2/NDF: 1990418.8/19

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 203.331+/-0.032 χ^2/NDF: 10469666.3/40

All: 189.838+/-0.021 χ^2/NDF: 22654775.1/83

- sign 178.595+/-0.029 χ^2/NDF: 11852258.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

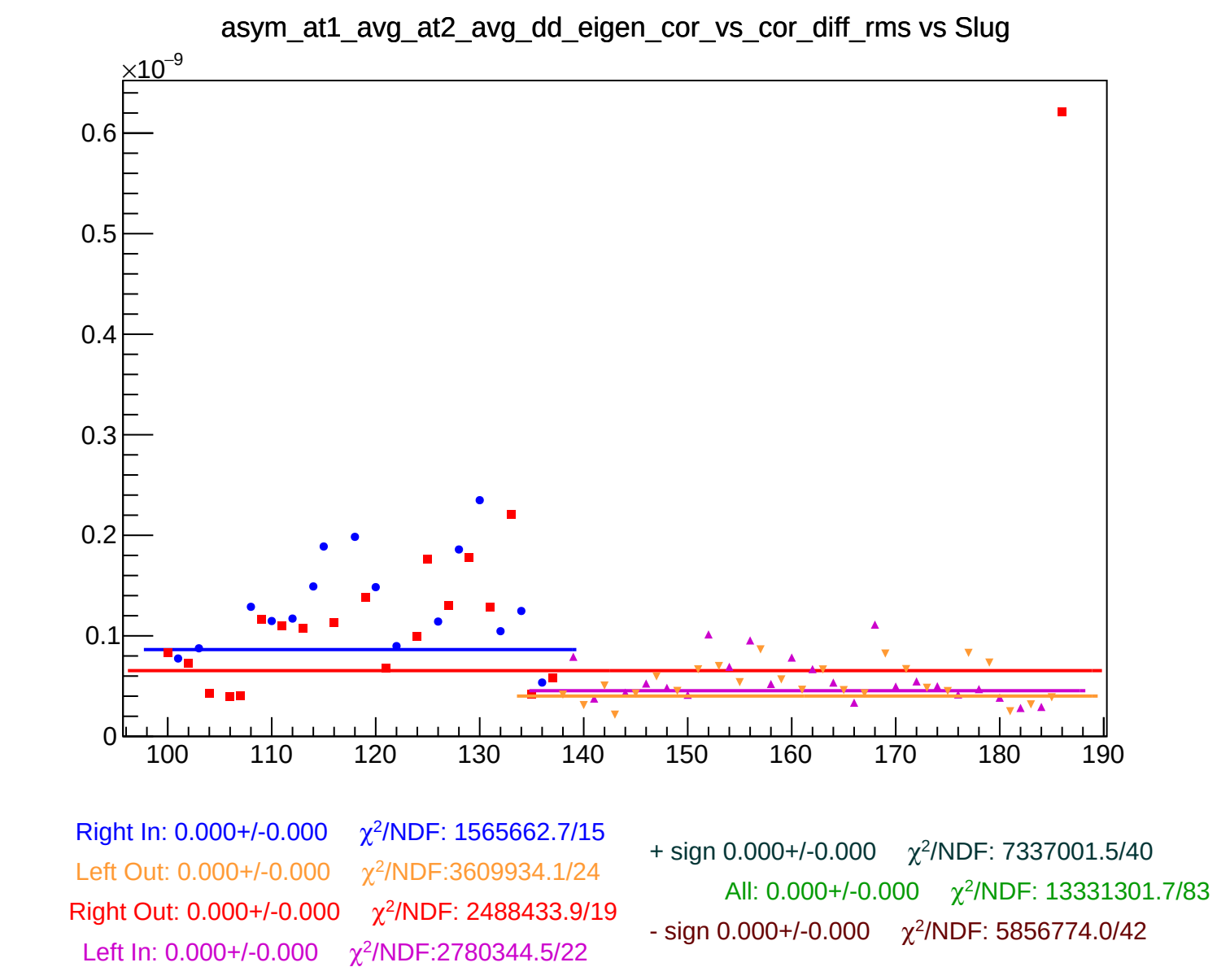
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/19

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

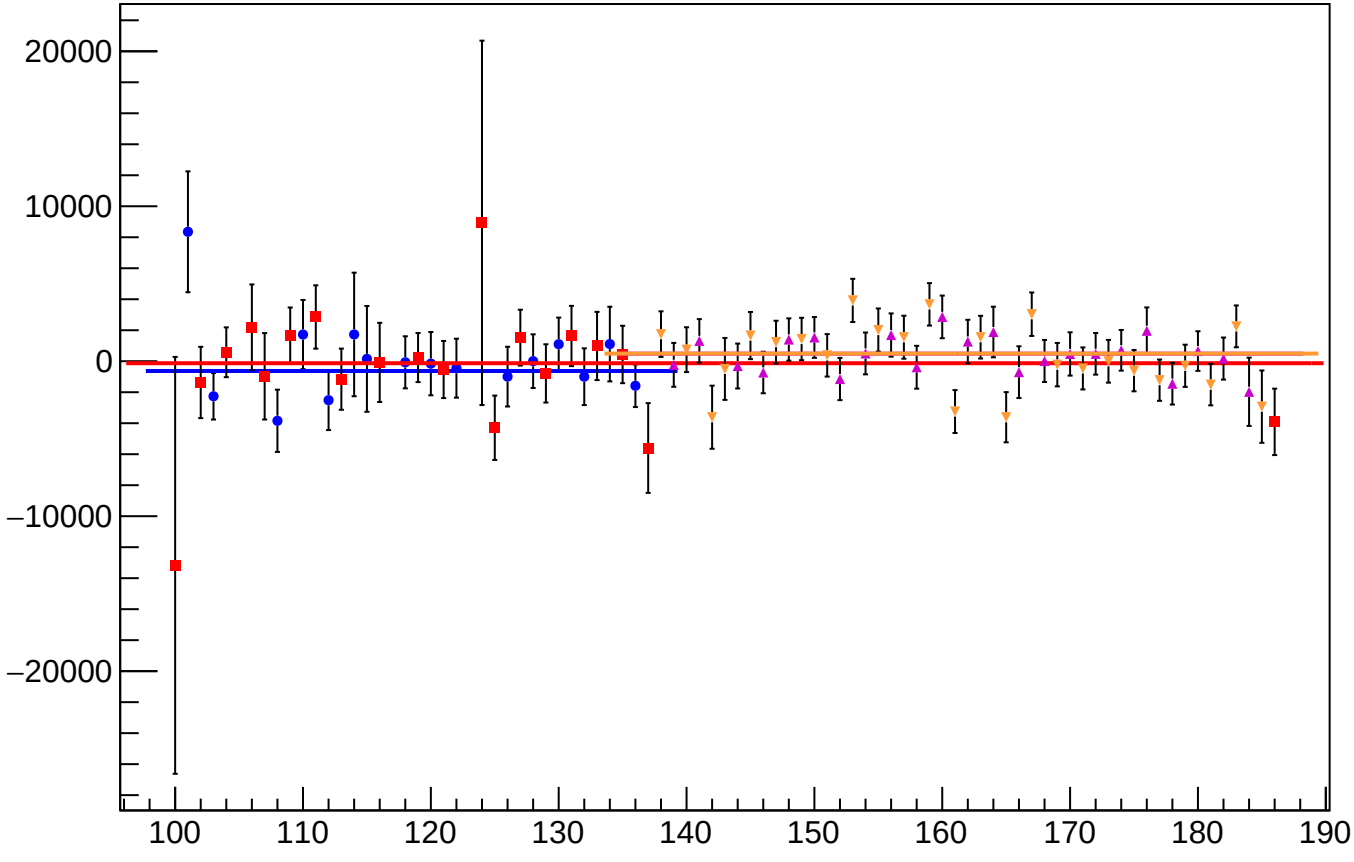
+ sign 0.000+/-0.000 χ^2/NDF: 53.8/40

All: -0.000+/-0.000 χ^2/NDF: 103.3/83

- sign -0.000+/-0.000 χ^2/NDF: 45.8/42


asym_at1_avg_at2_avg_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: 1565662.7/15
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: 7337001.5/40
All: 0.000+/-0.000 χ²/NDF: 13331301.7/83
- sign 0.000+/-0.000 χ²/NDF: 5856774.0/42

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -128.473+/-475.595 χ^2/NDF: 19.1/19

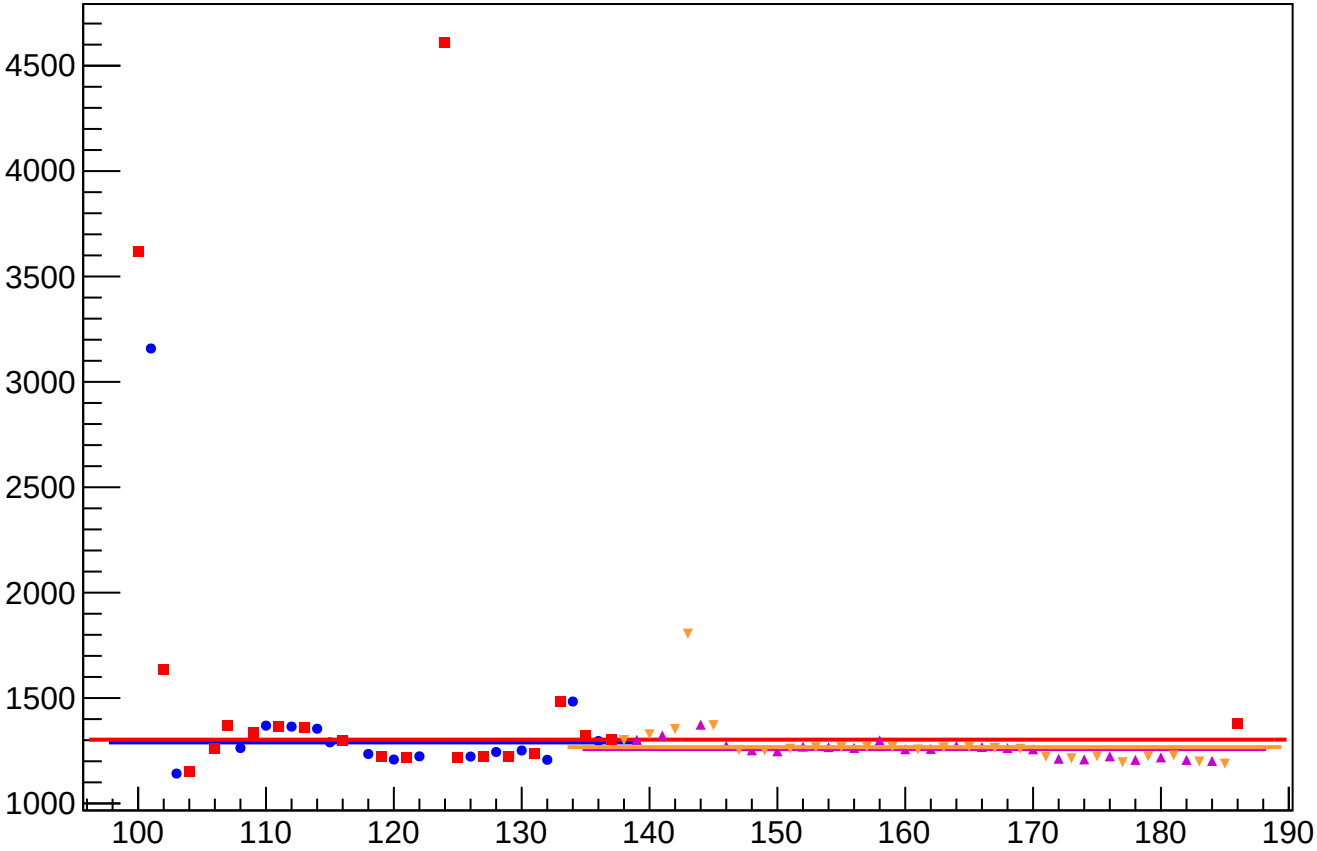
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 201.785+/-248.431 χ^2/NDF: 64.7/40

All: 258.994+/-176.196 χ^2/NDF: 99.6/83

- sign 316.896+/-249.933 χ^2/NDF: 34.8/42

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

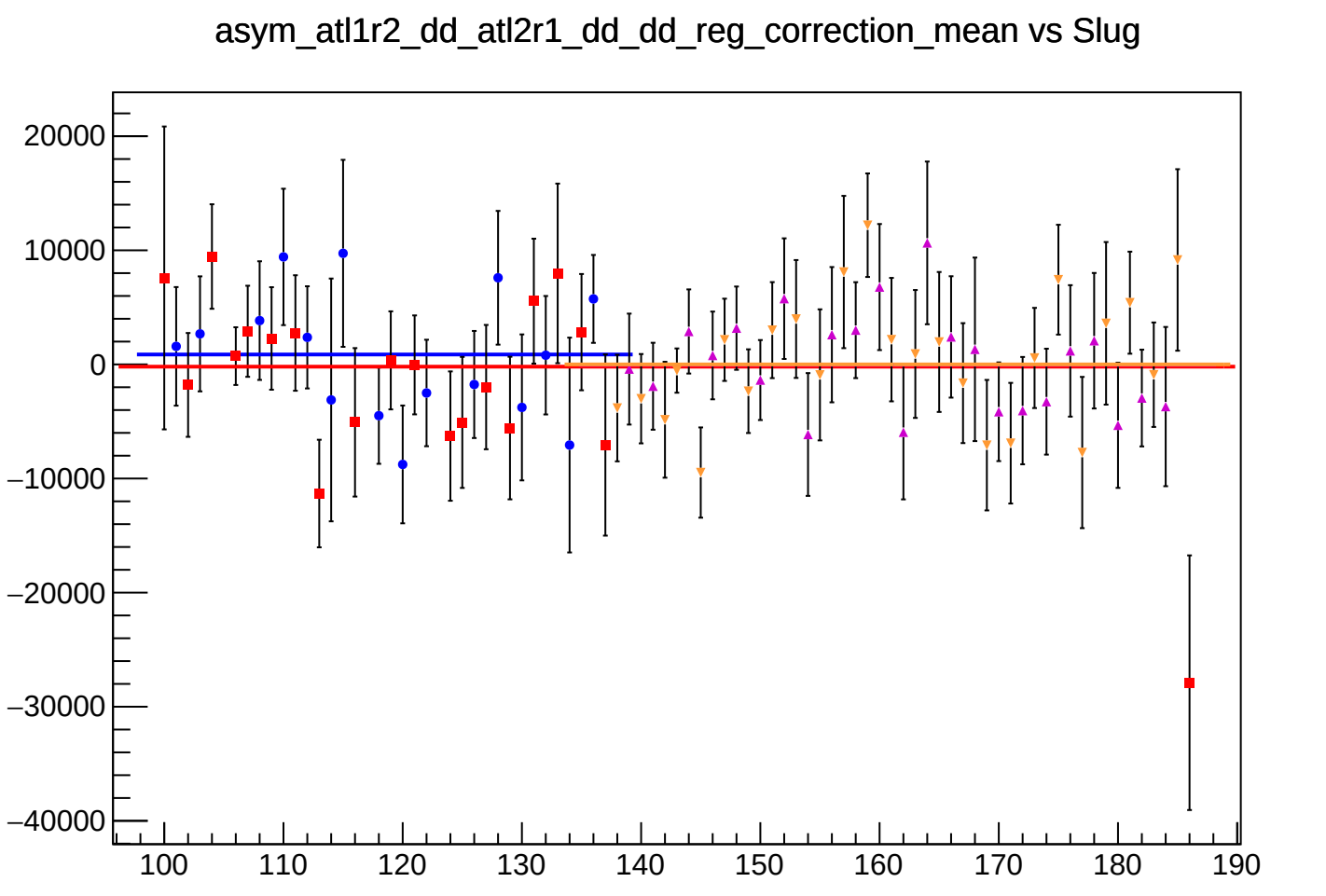
Right Out: 1302.569+/-0.335 χ^2/NDF: 322015.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.783+/-0.176 χ^2/NDF: 705364.5/40

All: 1271.413+/-0.125 χ^2/NDF: 1077335.4/83

- sign 1270.029+/-0.177 χ^2/NDF: 371848.7/42



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

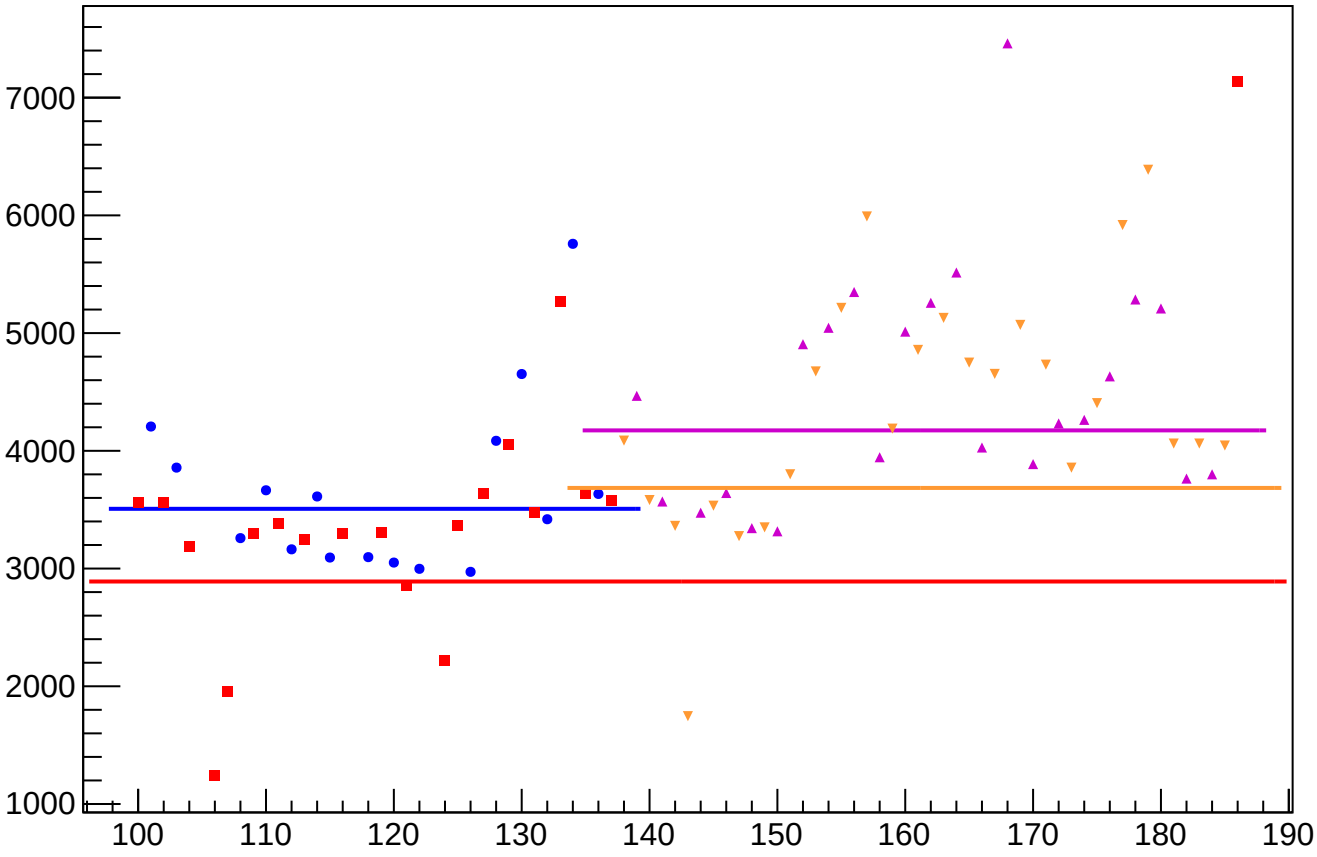
Right Out: -197.309+/-1105.607 χ^2/NDF: 24.6/19

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 268.611+/-736.840 χ^2/NDF: 43.4/40

All: 82.151+/-522.045 χ^2/NDF: 82.2/83

- sign -105.778+/-739.736 χ^2/NDF: 38.7/42



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2889.961+/-0.782 χ^2/NDF: 1792253.1/19

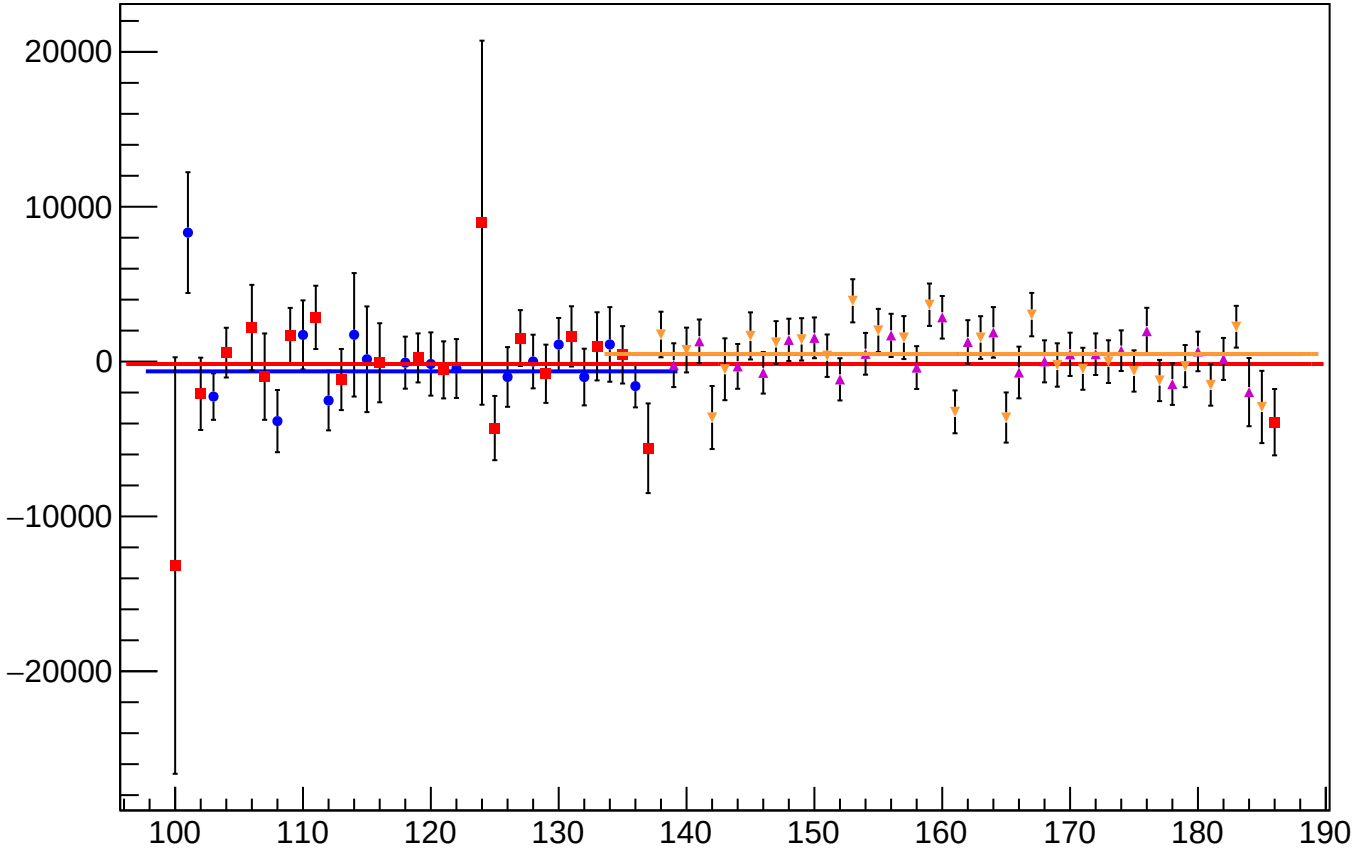
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3629.939+/-0.521 χ^2/NDF: 4072376.2/40

All: 3614.499+/-0.369 χ^2/NDF: 8630338.2/83

- sign 3598.937+/-0.523 χ^2/NDF: 4556198.7/42

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -156.296+/-475.895 χ^2/NDF: 19.6/19

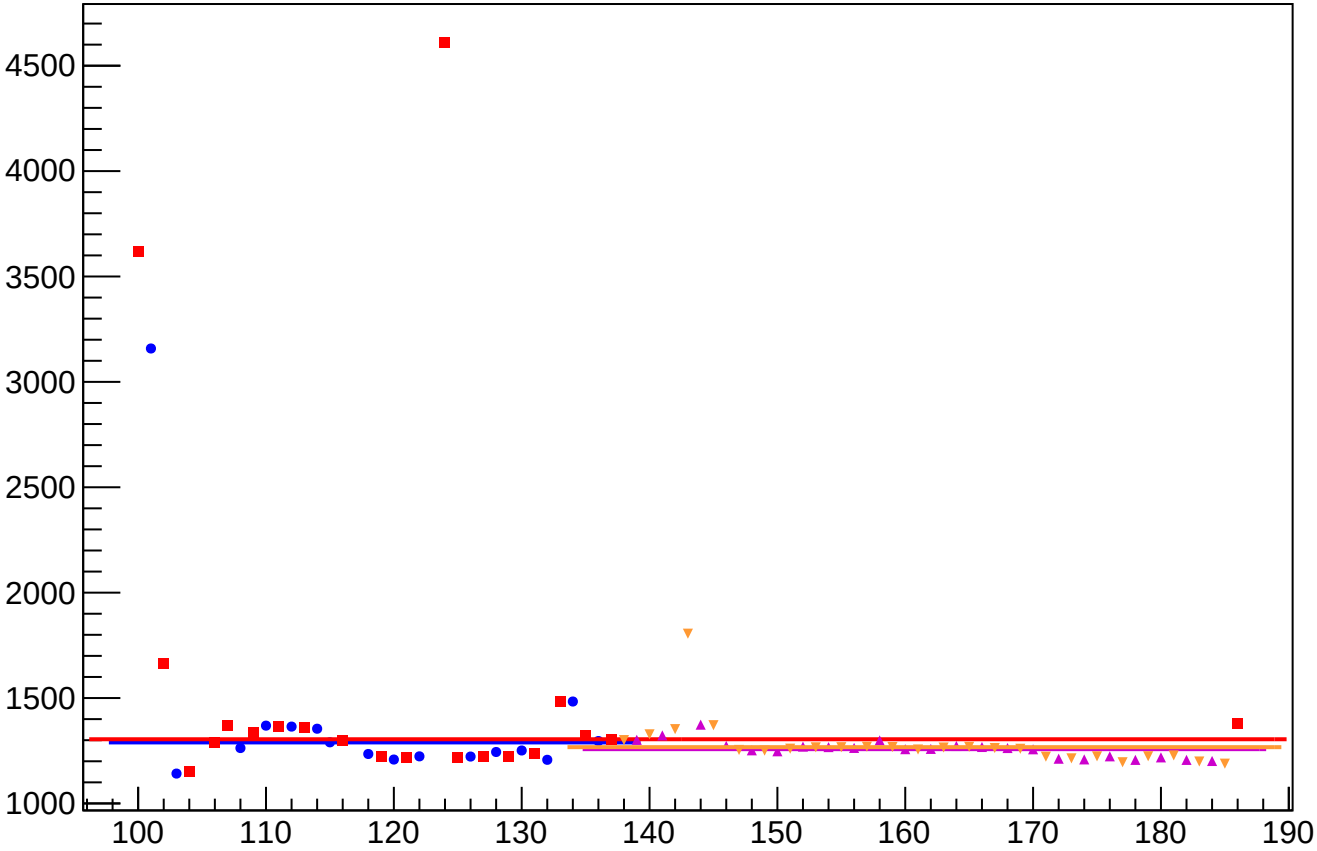
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 201.698+/-248.431 χ^2/NDF: 64.7/40

All: 255.166+/-176.211 χ^2/NDF: 100.1/83

- sign 309.301+/-249.977 χ^2/NDF: 35.3/42

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

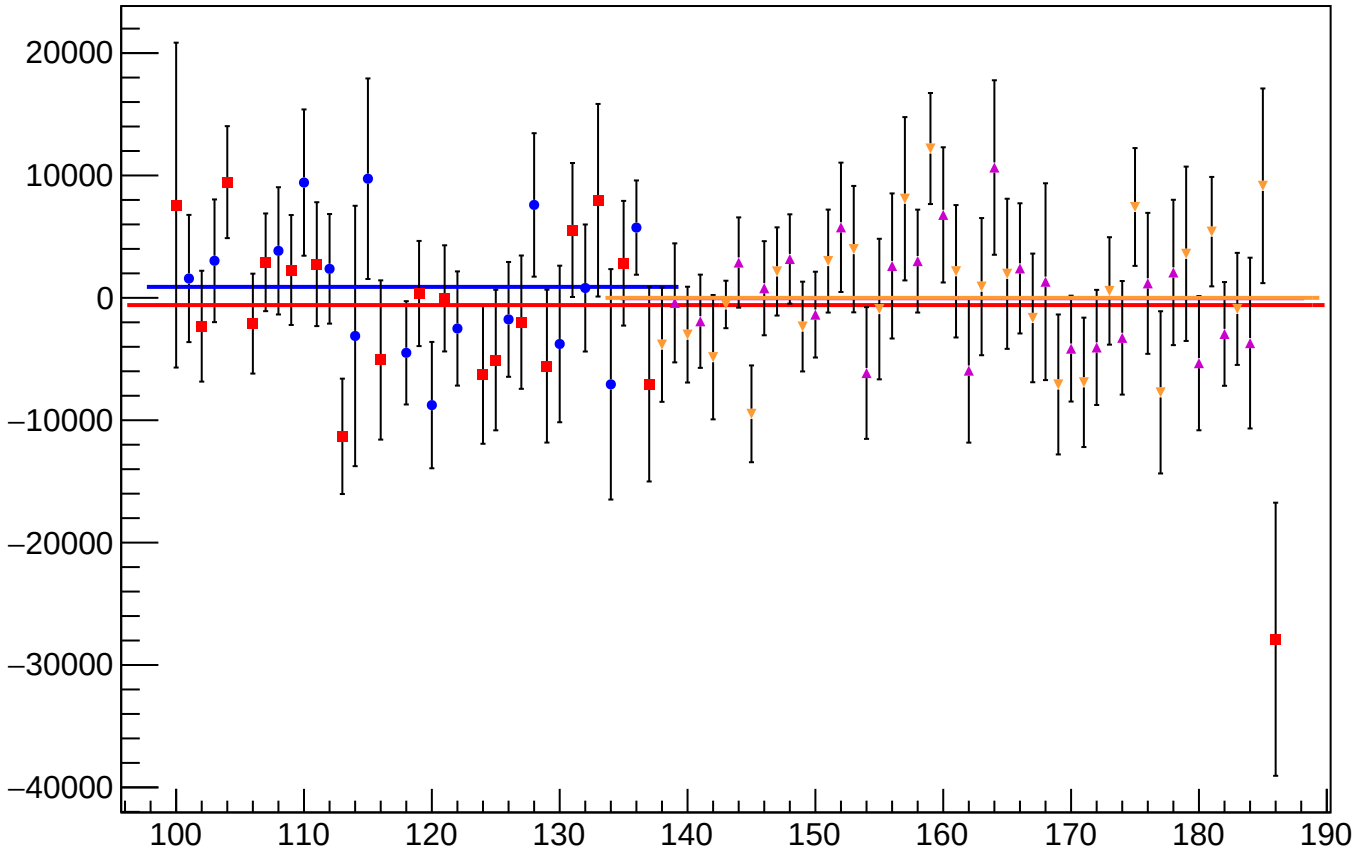
Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.782+/-0.176 χ^2/NDF: 705365.9/40

All: 1271.668+/-0.125 χ^2/NDF: 1084813.4/83

- sign 1270.541+/-0.177 χ^2/NDF: 379366.6/42



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

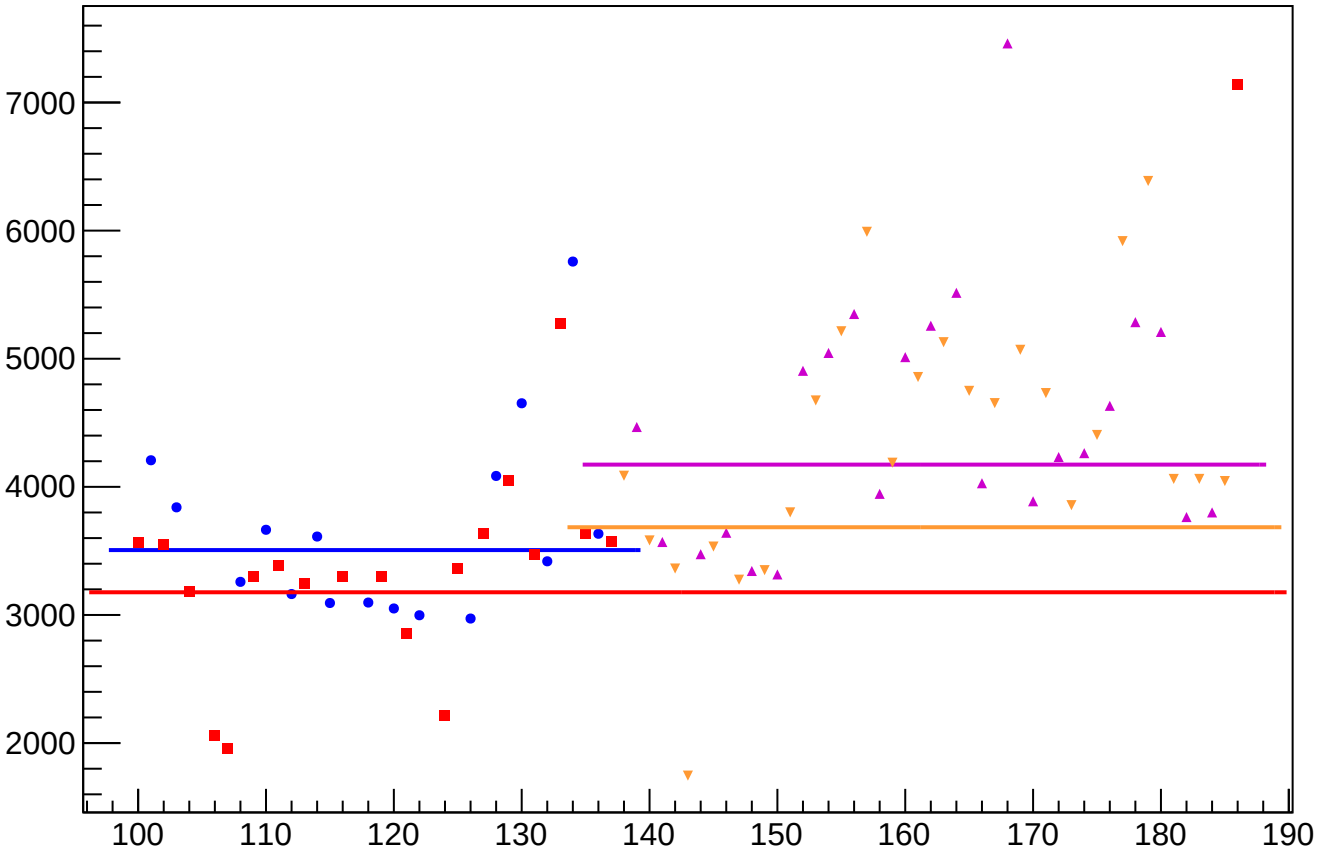
Right Out: -590.963+/-1176.575 χ^2/NDF: 24.7/19

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 276.737+/-736.761 χ^2/NDF: 43.5/40

All: 14.278+/-528.961 χ^2/NDF: 82.6/83

- sign -264.929+/-759.903 χ^2/NDF: 38.8/42



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

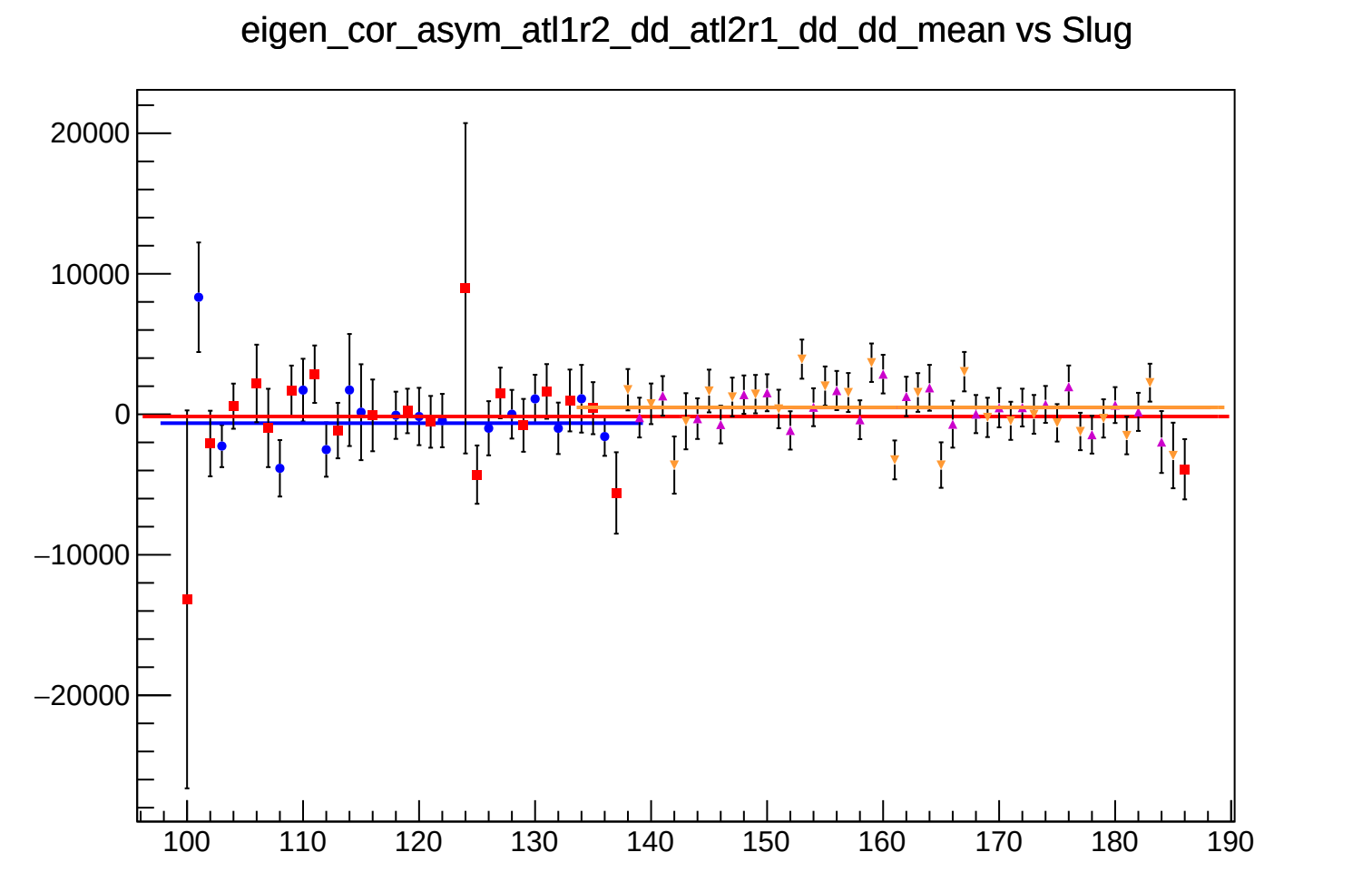
Right Out: 3177.131+/-0.832 χ^2/NDF: 904574.2/19

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3629.626+/-0.521 χ^2/NDF: 4071940.8/40

All: 3691.784+/-0.374 χ^2/NDF: 7116930.9/83

- sign 3757.908+/-0.537 χ^2/NDF: 3015610.7/42



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -156.296+/-475.895 χ^2/NDF: 19.6/19

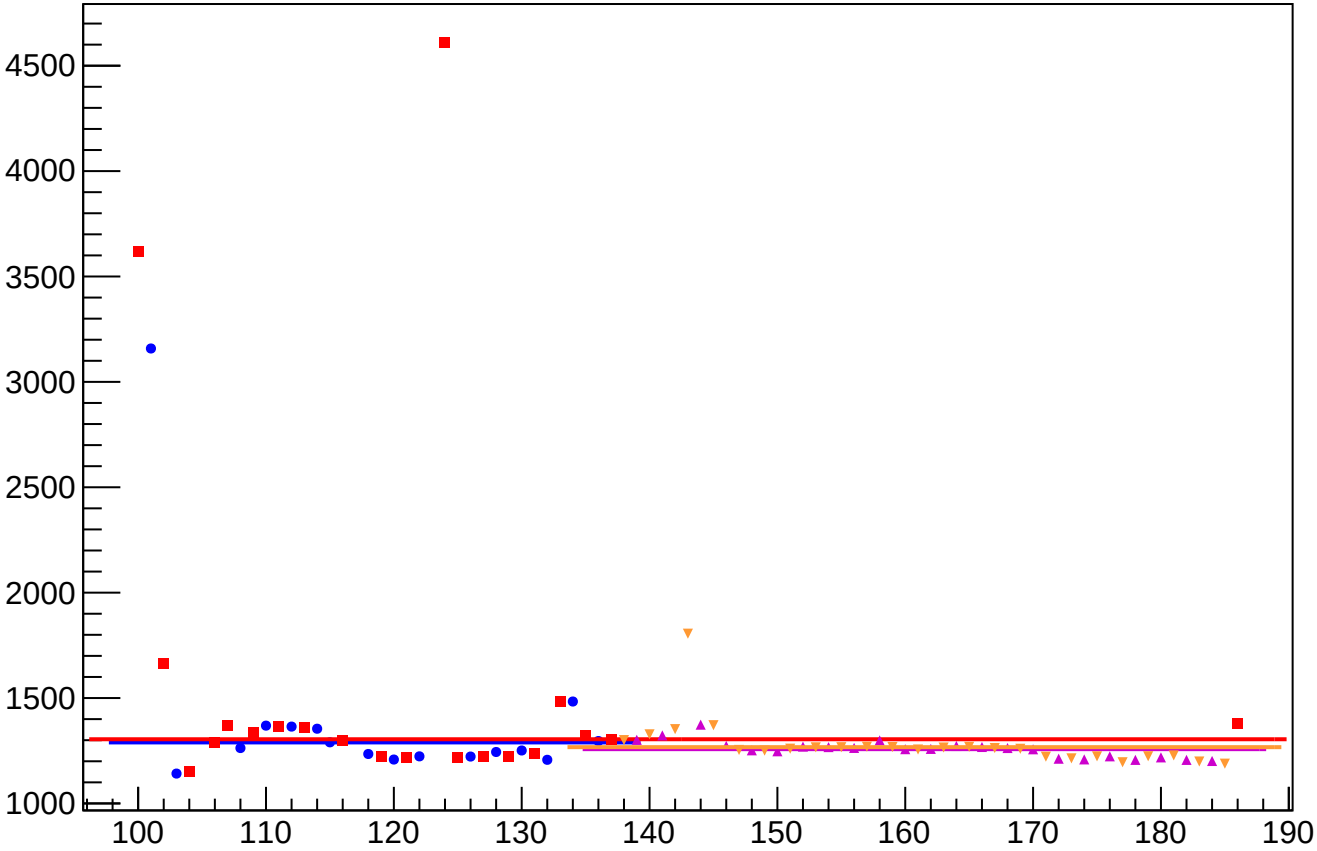
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 201.698+/-248.431 χ^2/NDF: 64.7/40

All: 255.166+/-176.211 χ^2/NDF: 100.1/83

- sign 309.301+/-249.977 χ^2/NDF: 35.3/42

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

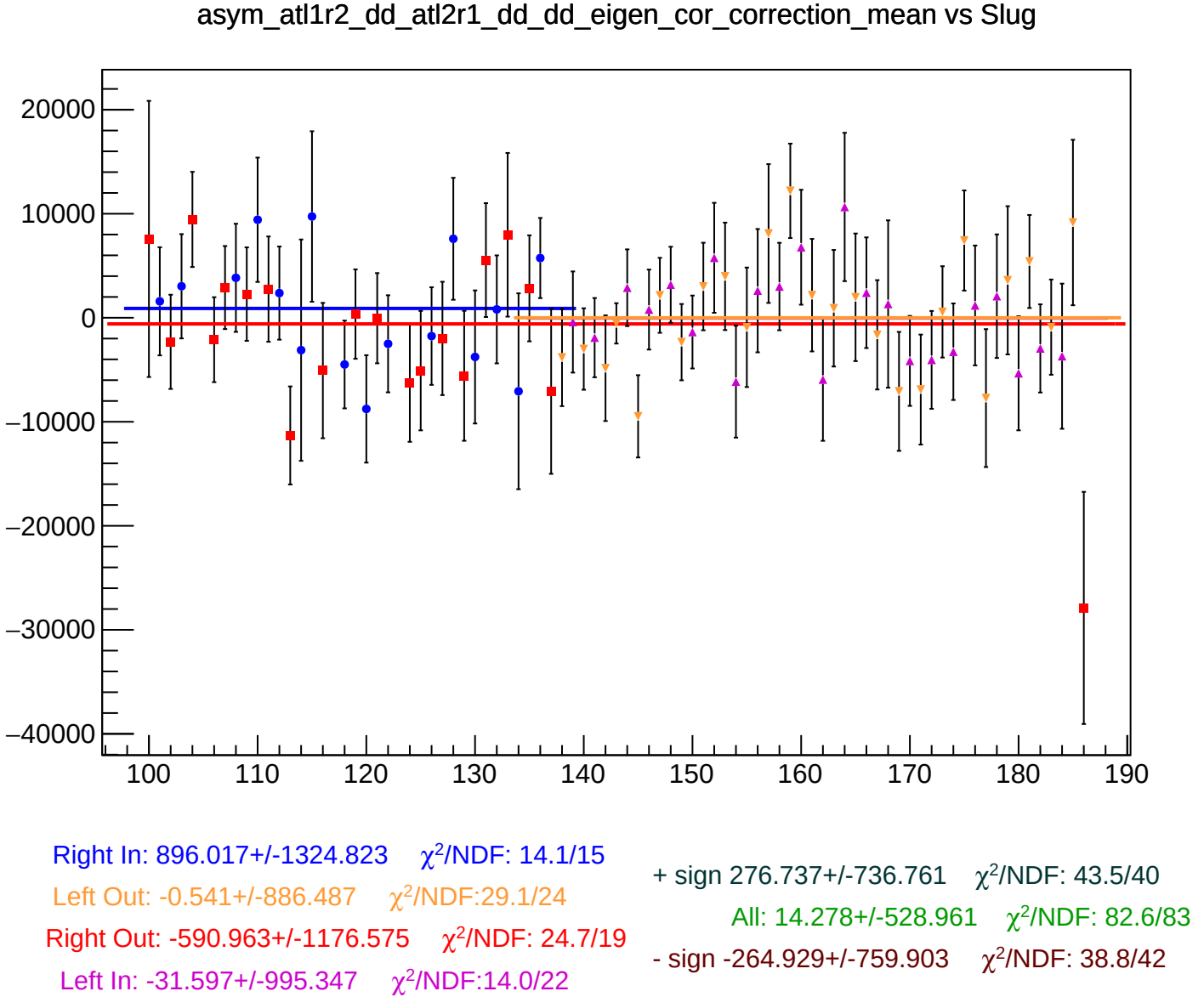
Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

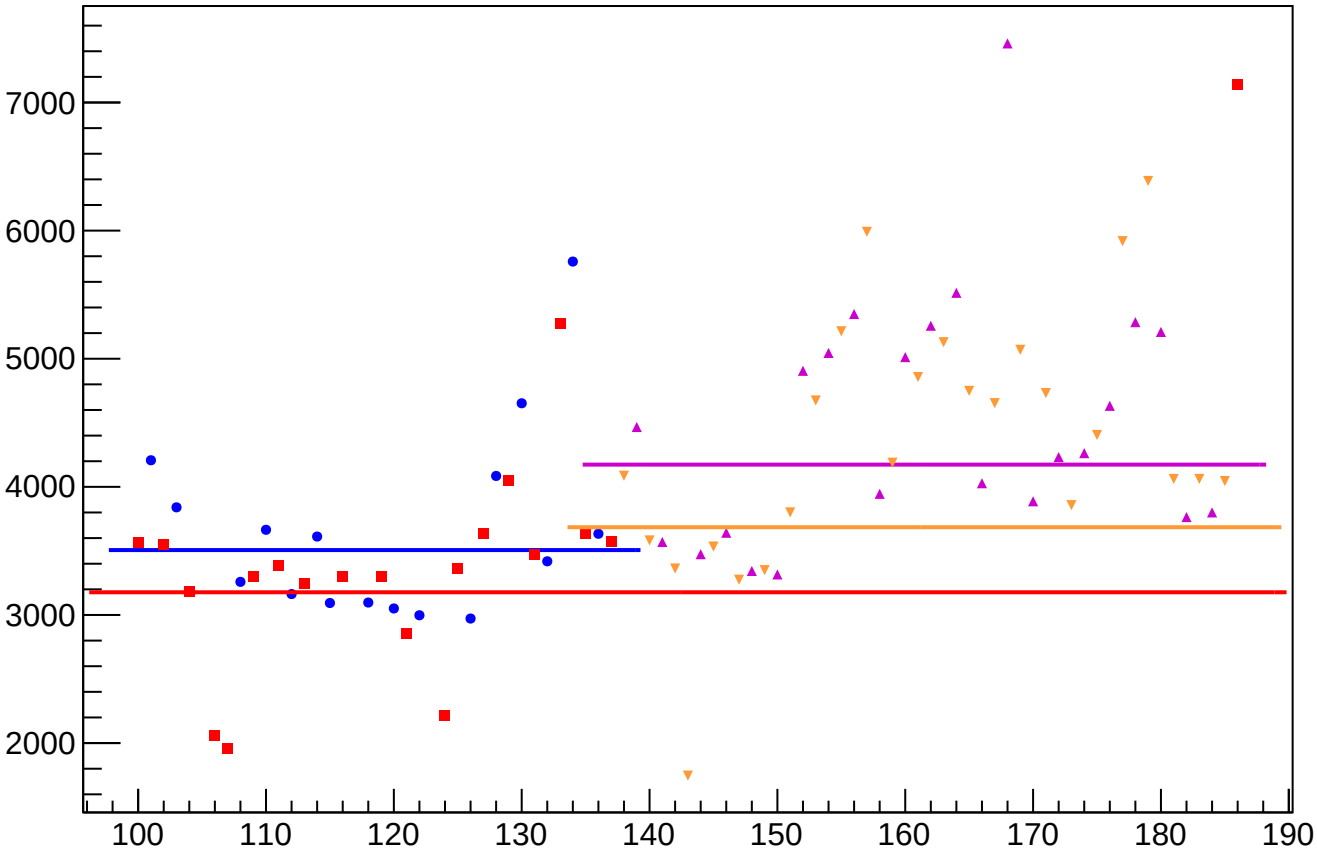
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.782+/-0.176 χ^2/NDF: 705365.9/40

All: 1271.668+/-0.125 χ^2/NDF: 1084813.4/83

- sign 1270.541+/-0.177 χ^2/NDF: 379366.6/42


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -590.963+/-1176.575 χ²/NDF: 24.7/19
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 276.737+/-736.761 χ²/NDF: 43.5/40
All: 14.278+/-528.961 χ²/NDF: 82.6/83
- sign -264.929+/-759.903 χ²/NDF: 38.8/42



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3177.131+/-0.832 χ^2/NDF: 904574.2/19

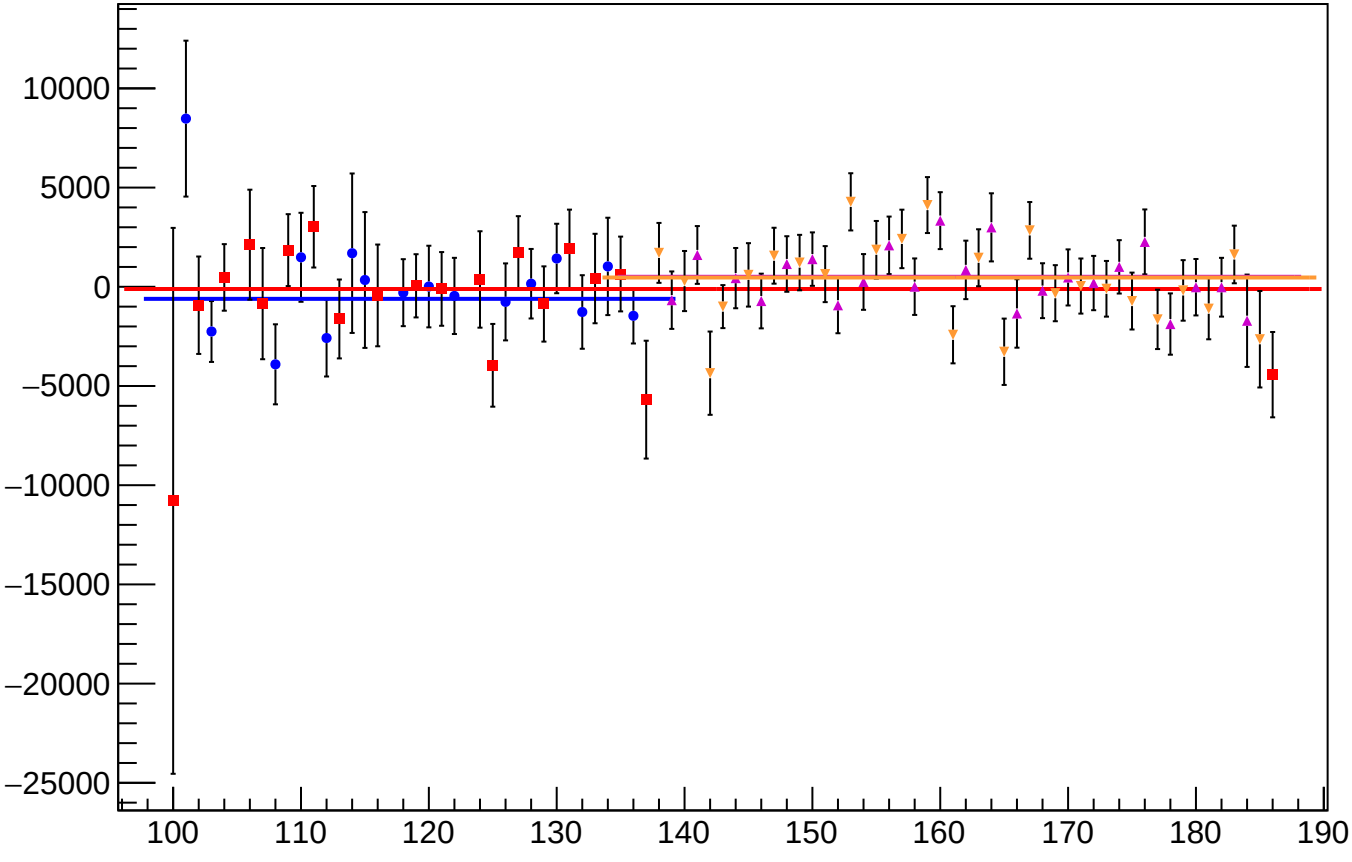
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3629.626+/-0.521 χ^2/NDF: 4071940.8/40

All: 3691.784+/-0.374 χ^2/NDF: 7116930.9/83

- sign 3757.908+/-0.537 χ^2/NDF: 3015610.7/42

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -111.422+/-473.633 χ^2/NDF: 19.1/19

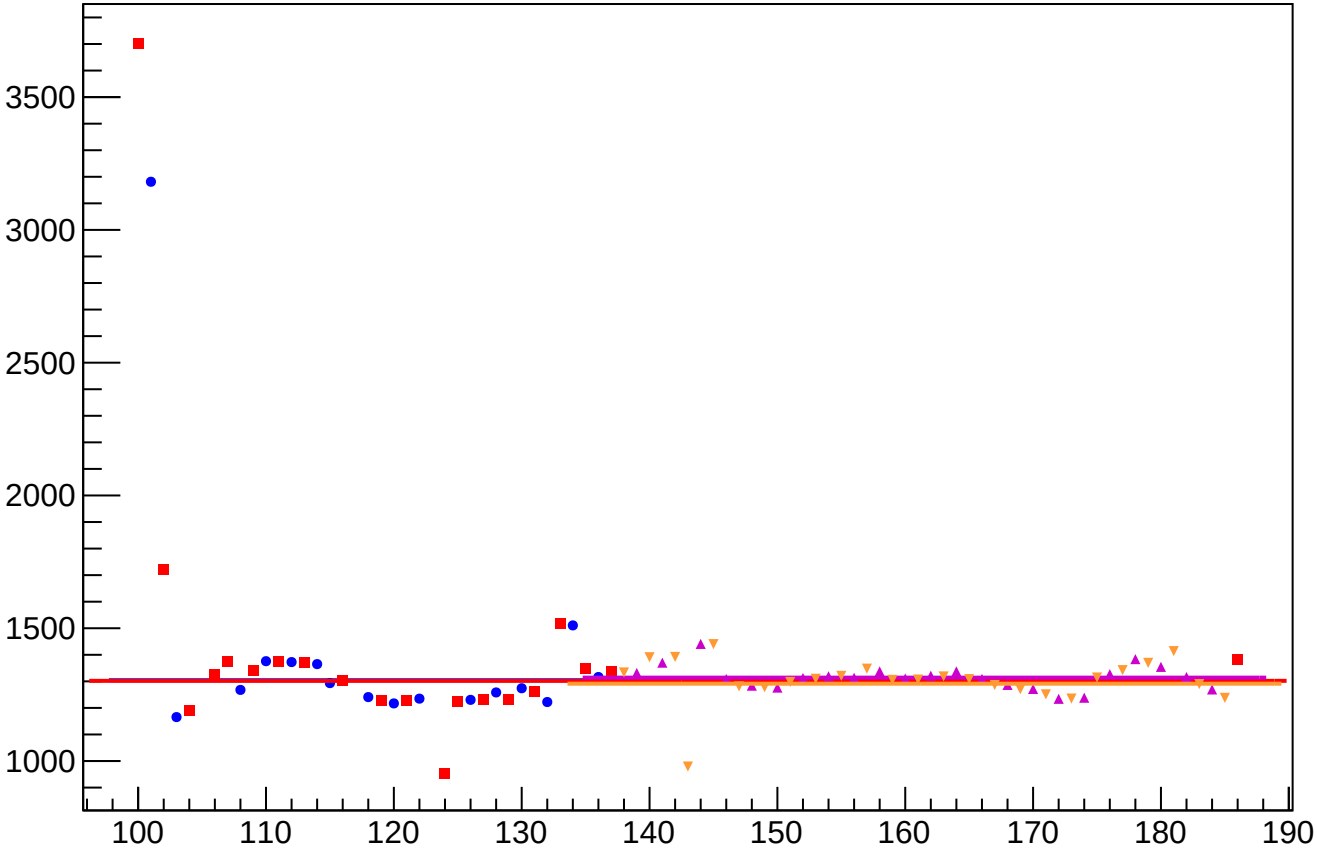
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 186.350+/-252.830 χ^2/NDF: 61.7/40

All: 252.686+/-180.457 χ^2/NDF: 99.6/83

- sign 321.574+/-257.649 χ^2/NDF: 37.7/42

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

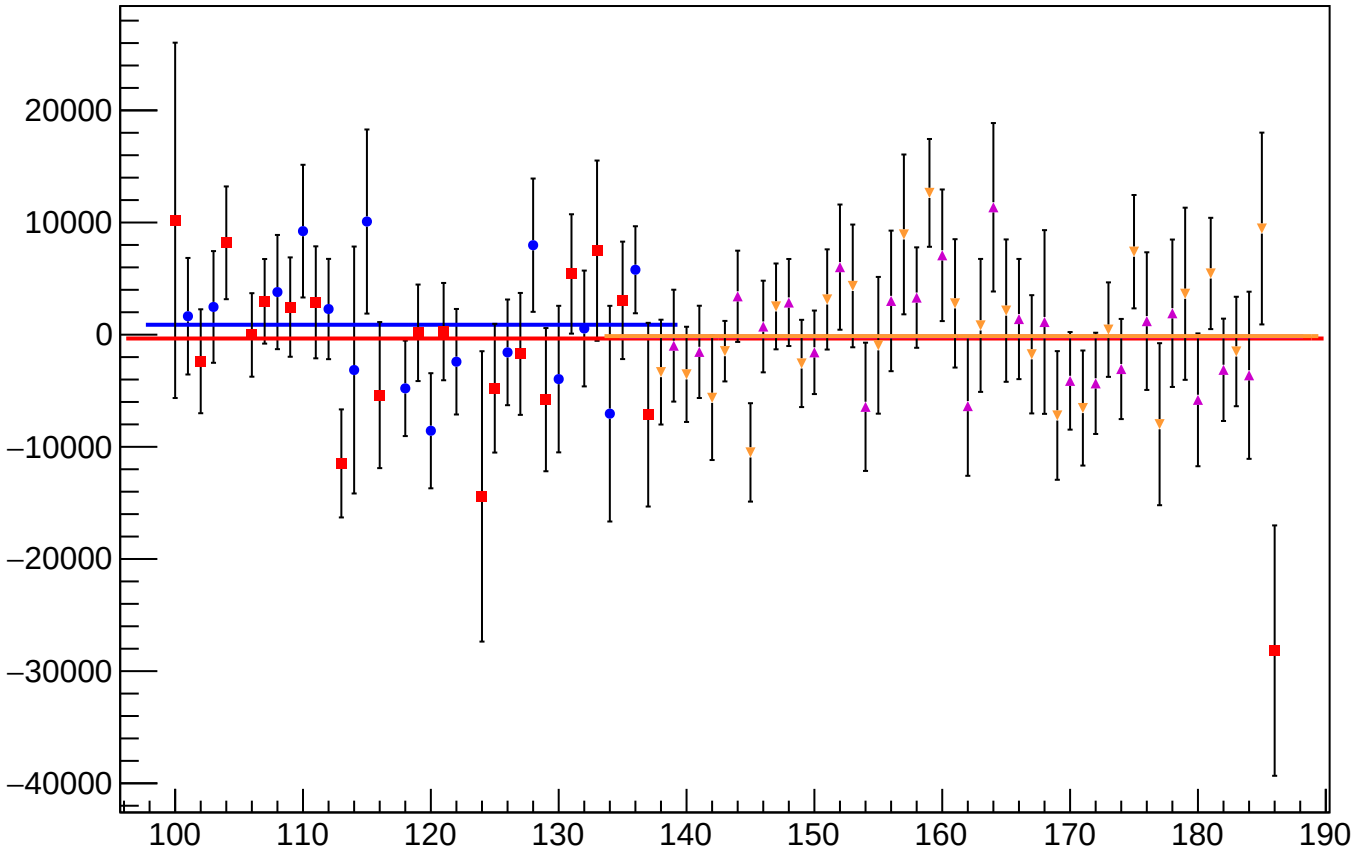
Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.2/19

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.585+/-0.179 χ^2/NDF: 742329.3/40

All: 1302.362+/-0.128 χ^2/NDF: 1006270.0/83

- sign 1310.435+/-0.182 χ^2/NDF: 260084.0/42



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

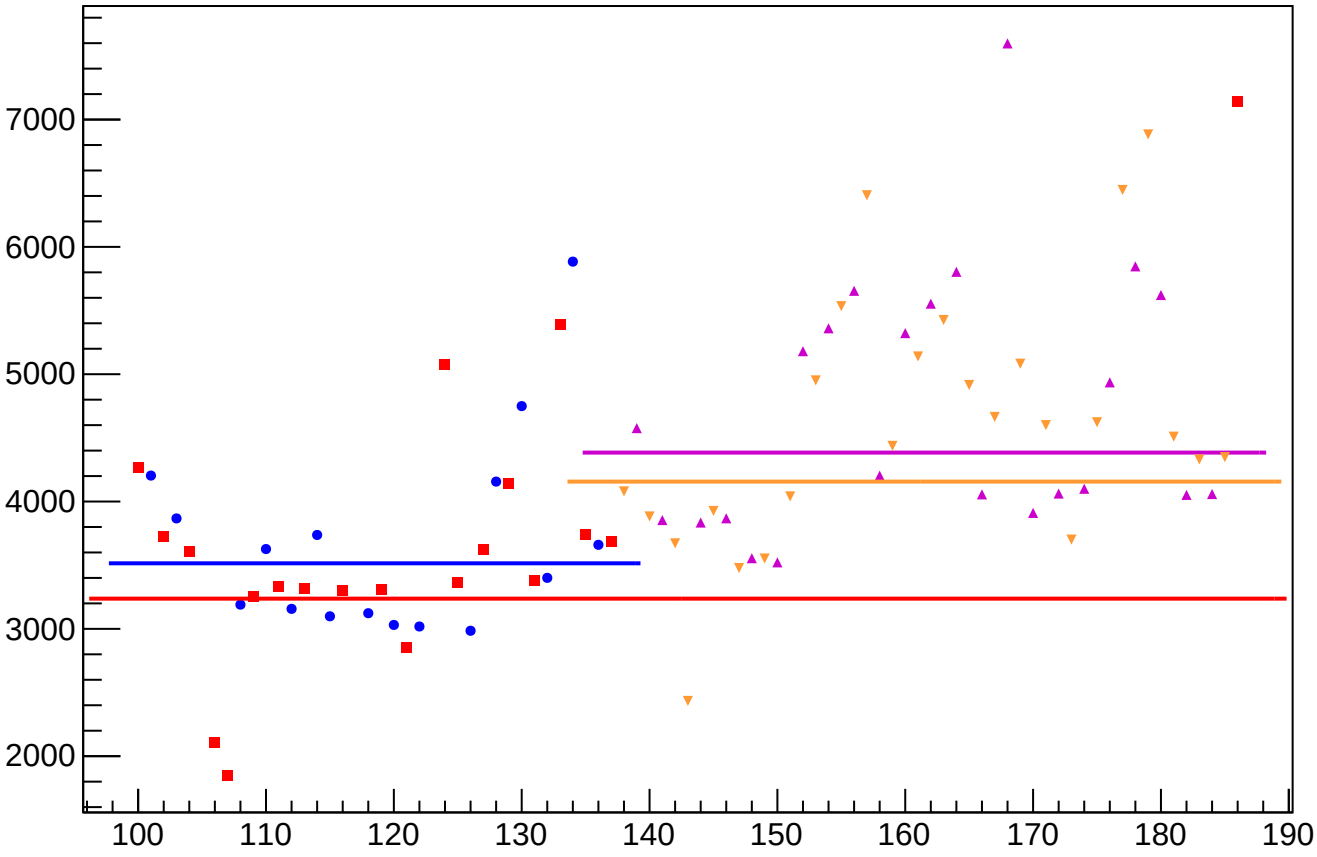
Right Out: -342.260+/-1193.140 χ^2/NDF: 23.1/19

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

\+ sign 228.197+/-786.967 χ^2/NDF: 43.1/40

All: -5.516+/-556.245 χ^2/NDF: 80.1/83

\- sign -238.853+/-786.332 χ^2/NDF: 36.9/42



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

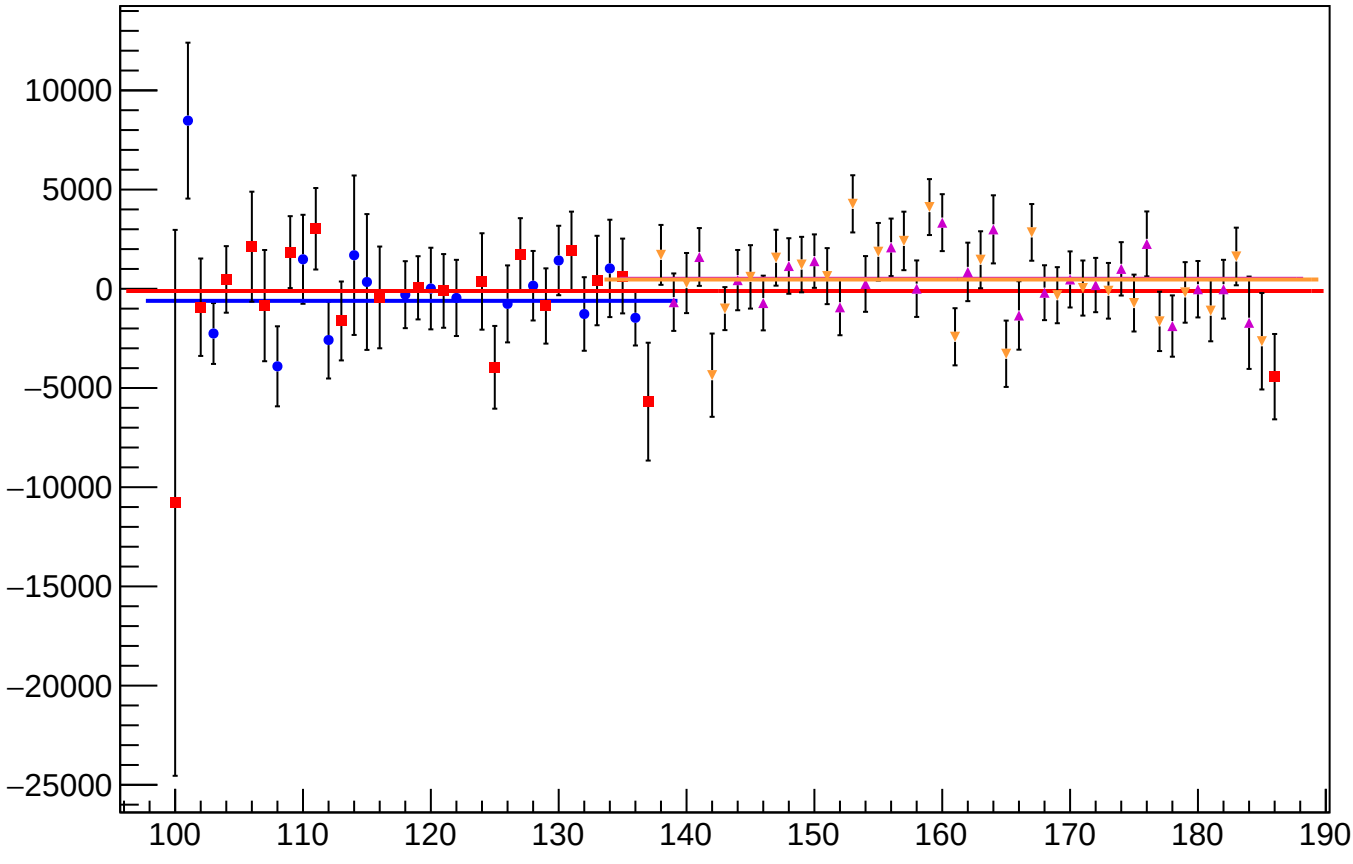
Right Out: 3237.299+/-0.844 χ^2/NDF: 1019707.5/19

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3930.984+/-0.556 χ^2/NDF: 2759089.8/40

All: 3908.537+/-0.393 χ^2/NDF: 6083078.1/83

- sign 3886.125+/-0.556 χ^2/NDF: 3320736.4/42



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -111.413+/-473.633 χ^2/NDF: 19.1/19

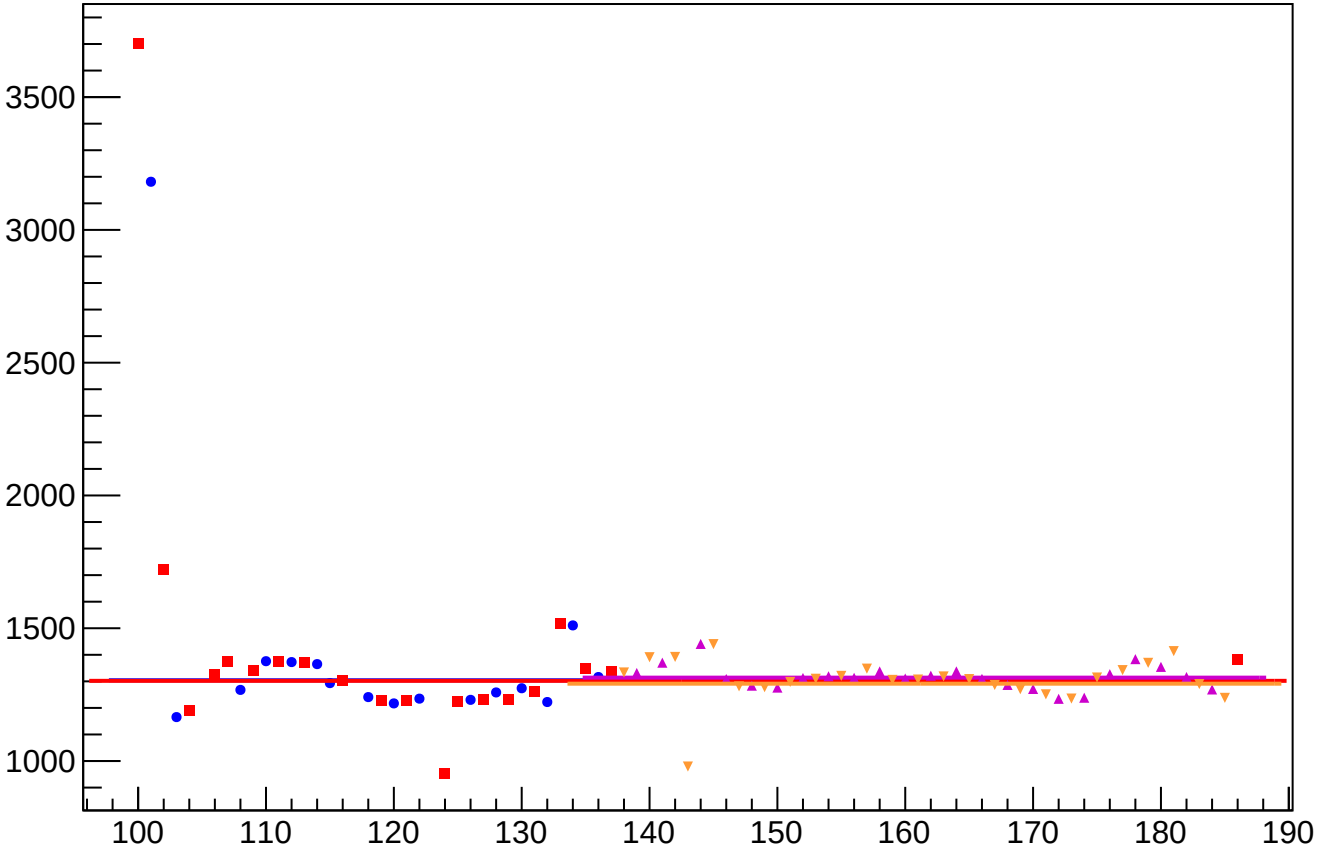
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 186.352+/-252.830 χ^2/NDF: 61.7/40

All: 252.688+/-180.458 χ^2/NDF: 99.6/83

- sign 321.577+/-257.649 χ^2/NDF: 37.7/42

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

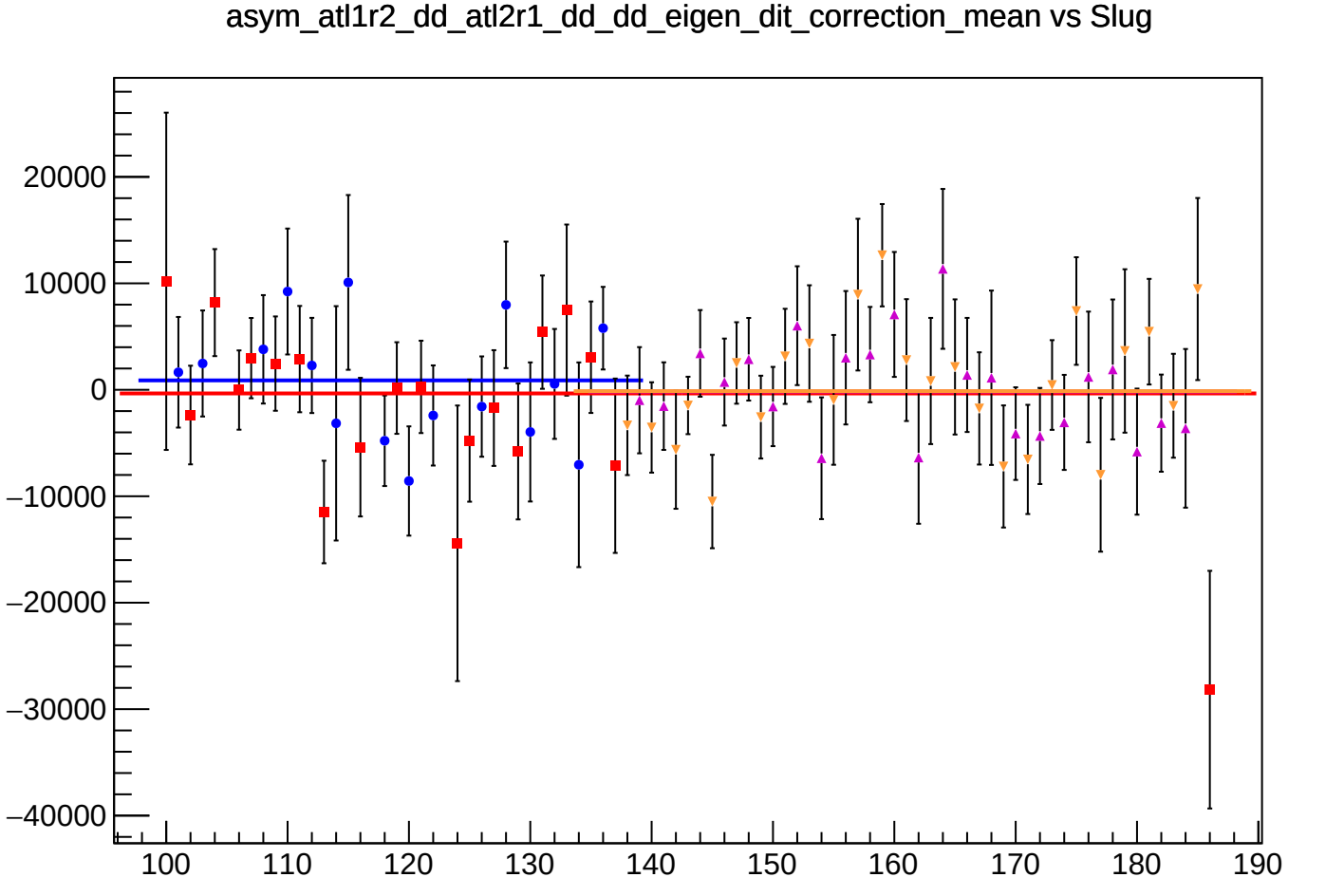
Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.3/19

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.586+/-0.179 χ^2/NDF: 742331.8/40

All: 1302.363+/-0.128 χ^2/NDF: 1006274.8/83

- sign 1310.436+/-0.182 χ^2/NDF: 260086.4/42



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

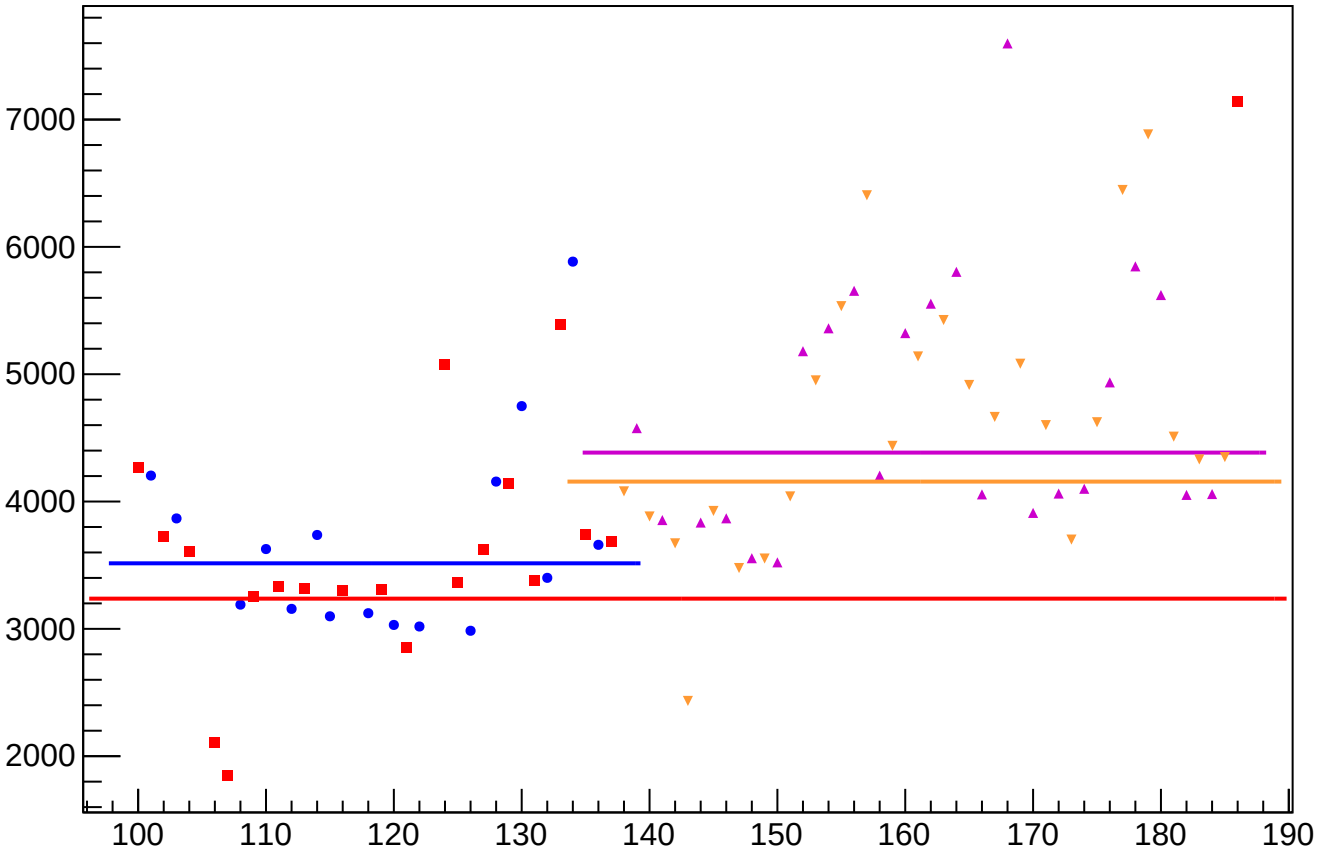
Right Out: -342.255+/-1193.137 χ^2/NDF: 23.1/19

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

\+ sign 228.197+/-786.967 χ^2/NDF: 43.1/40

All: -5.516+/-556.245 χ^2/NDF: 80.1/83

\- sign -238.852+/-786.332 χ^2/NDF: 36.9/42



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3237.291+/-0.844 χ^2/NDF: 1019710.1/19

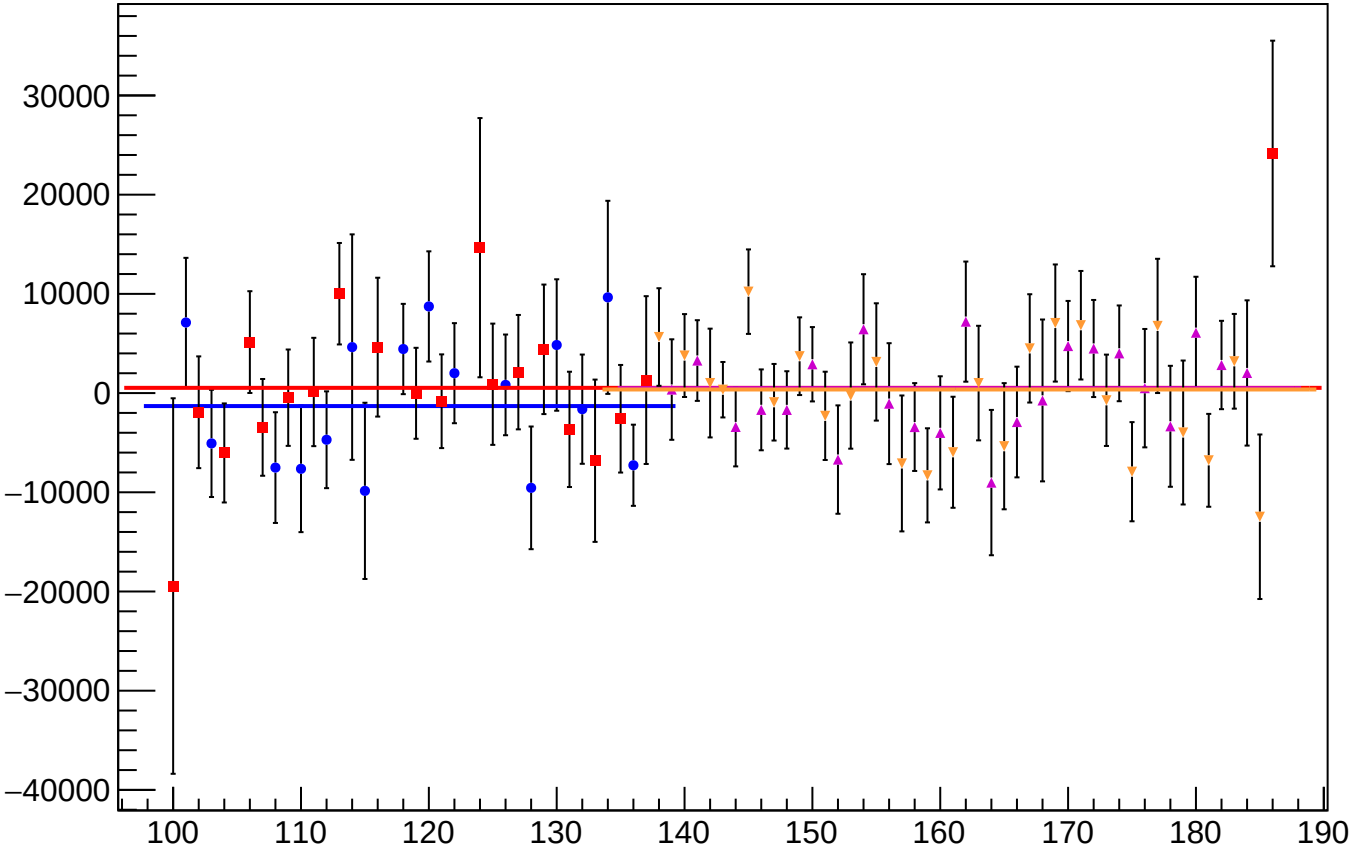
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3930.984+/-0.556 χ^2/NDF: 2759112.2/40

All: 3908.536+/-0.393 χ^2/NDF: 6083135.6/83

- sign 3886.123+/-0.556 χ^2/NDF: 3320771.2/42

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 527.725+/-1326.934 χ^2/NDF: 16.0/19

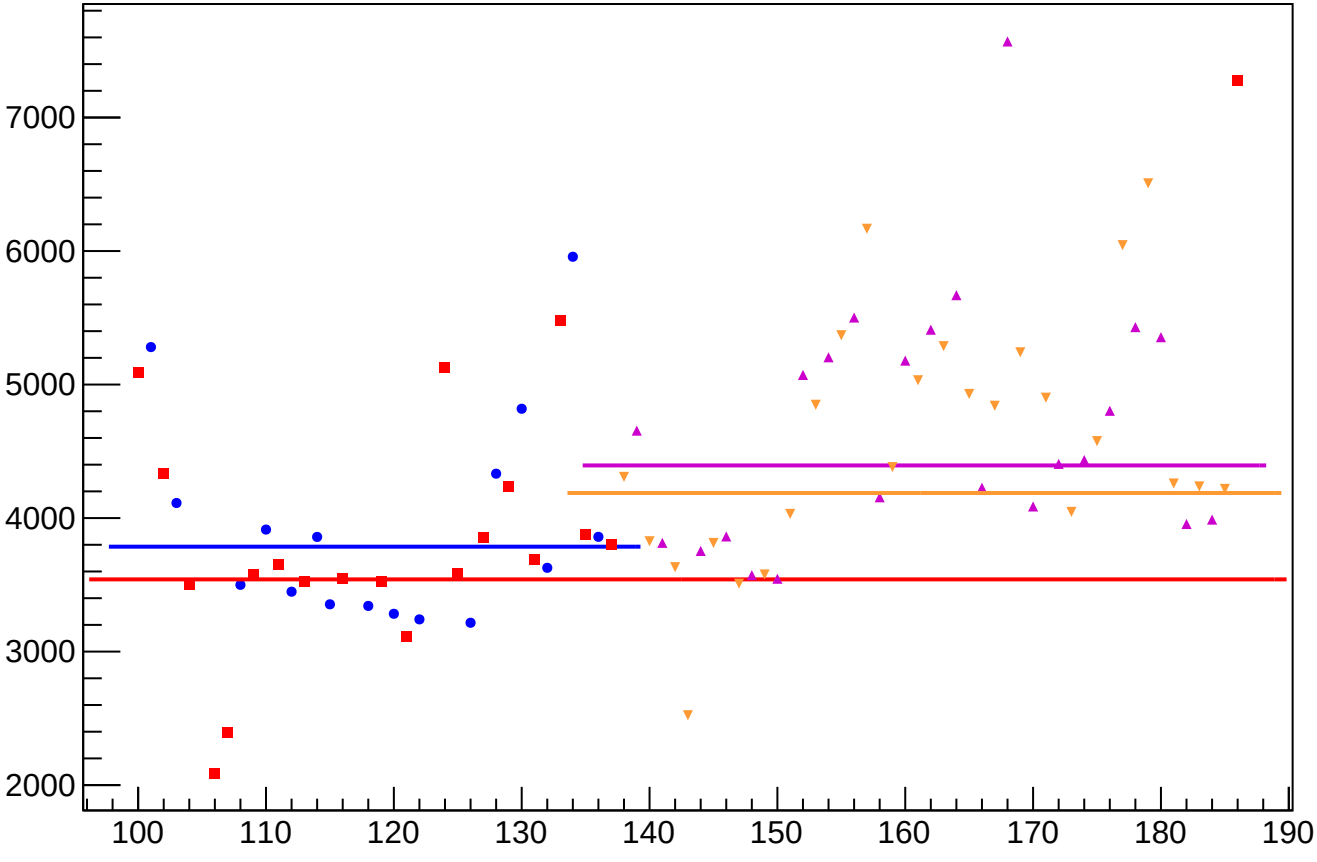
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign -170.823+/-808.599 χ^2/NDF: 46.2/40

All: 164.023+/-576.044 χ^2/NDF: 76.4/83

\- sign 509.080+/-820.836 χ^2/NDF: 29.9/42

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

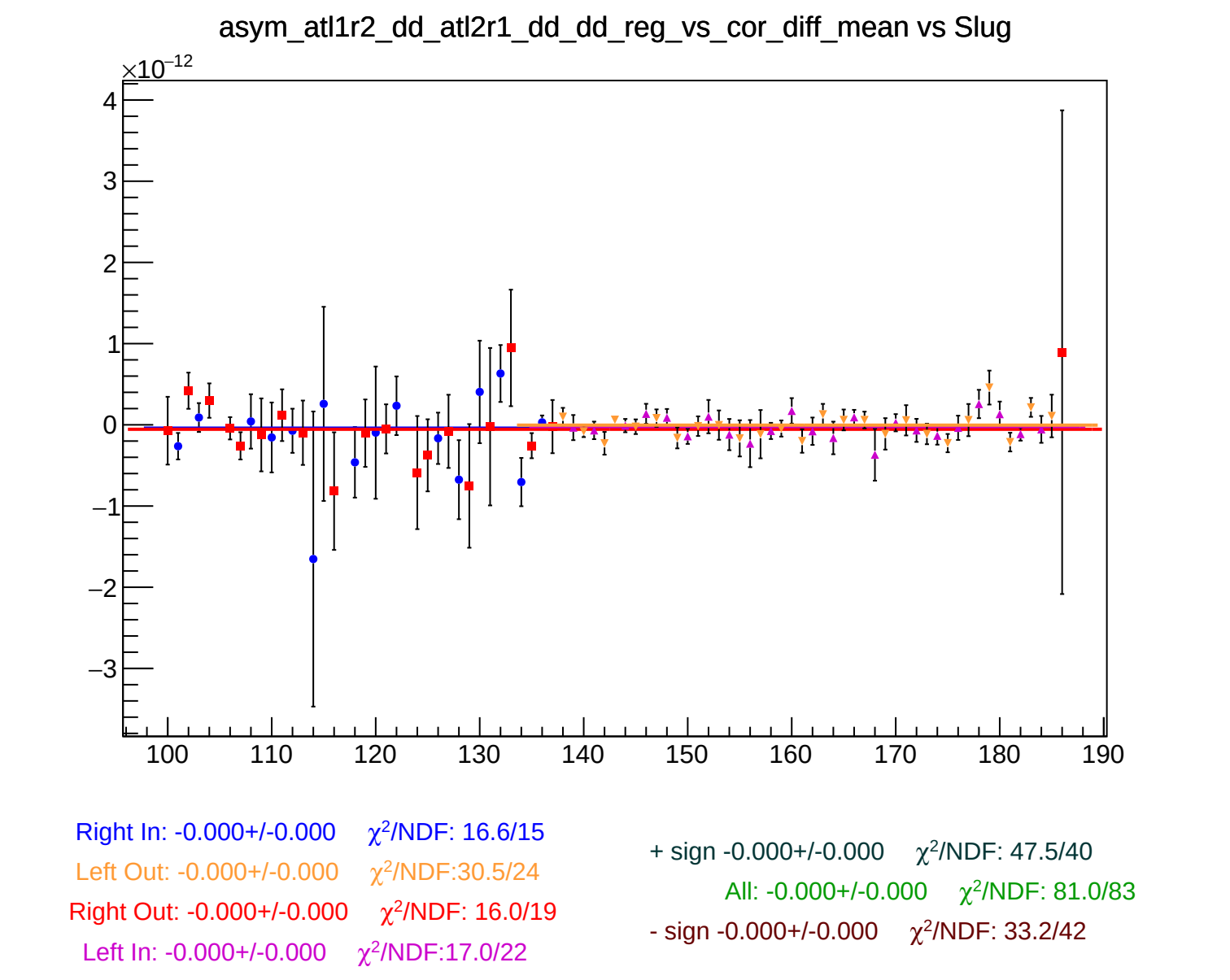
Right Out: 3540.810+/-0.926 χ^2/NDF: 805651.3/19

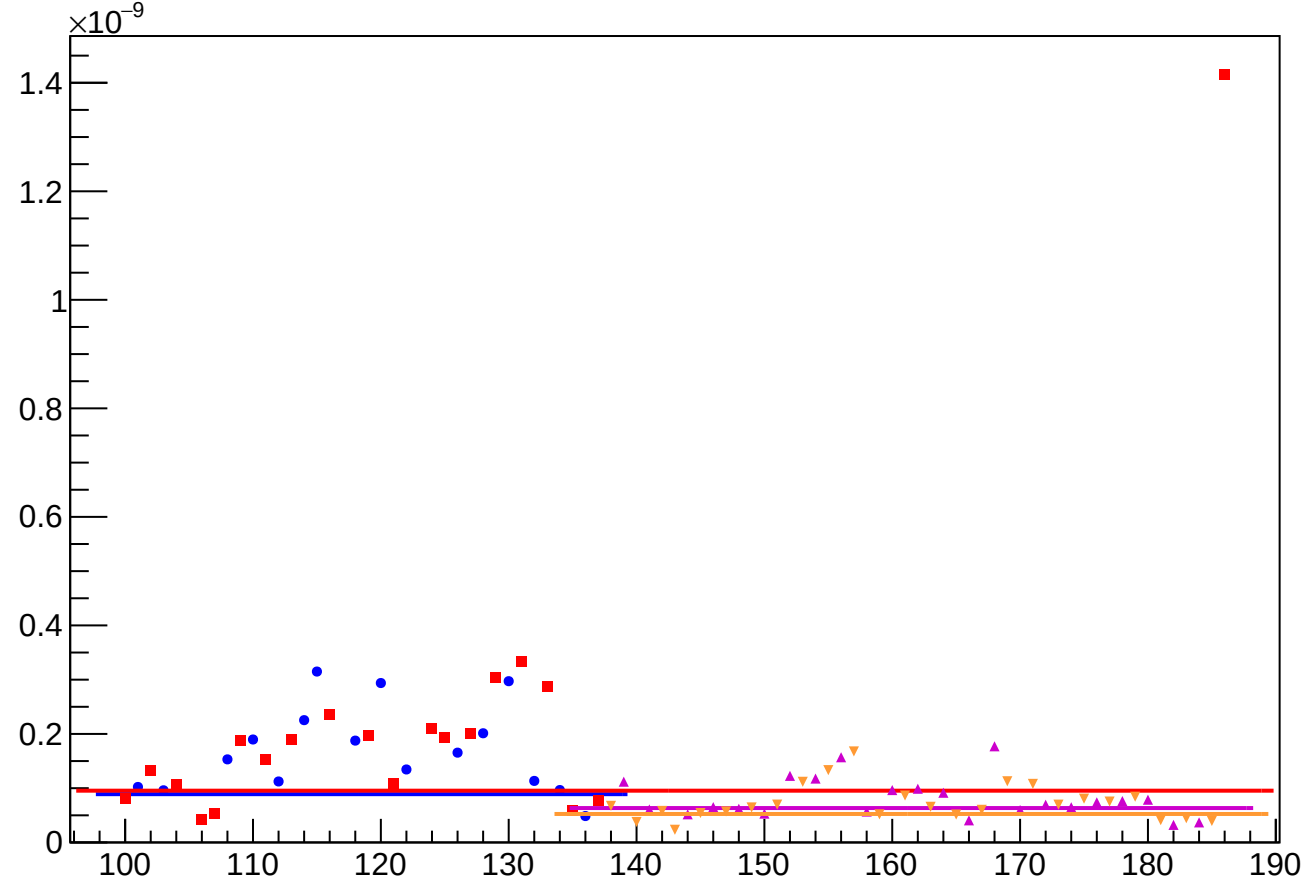
Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4059.579+/-0.572 χ^2/NDF: 2286769.5/40

All: 4060.897+/-0.406 χ^2/NDF: 4700224.5/83

- 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: 16.6/15
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: 47.5/40
All: -0.000+/-0.000 χ²/NDF: 81.0/83
- sign -0.000+/-0.000 χ²/NDF: 33.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

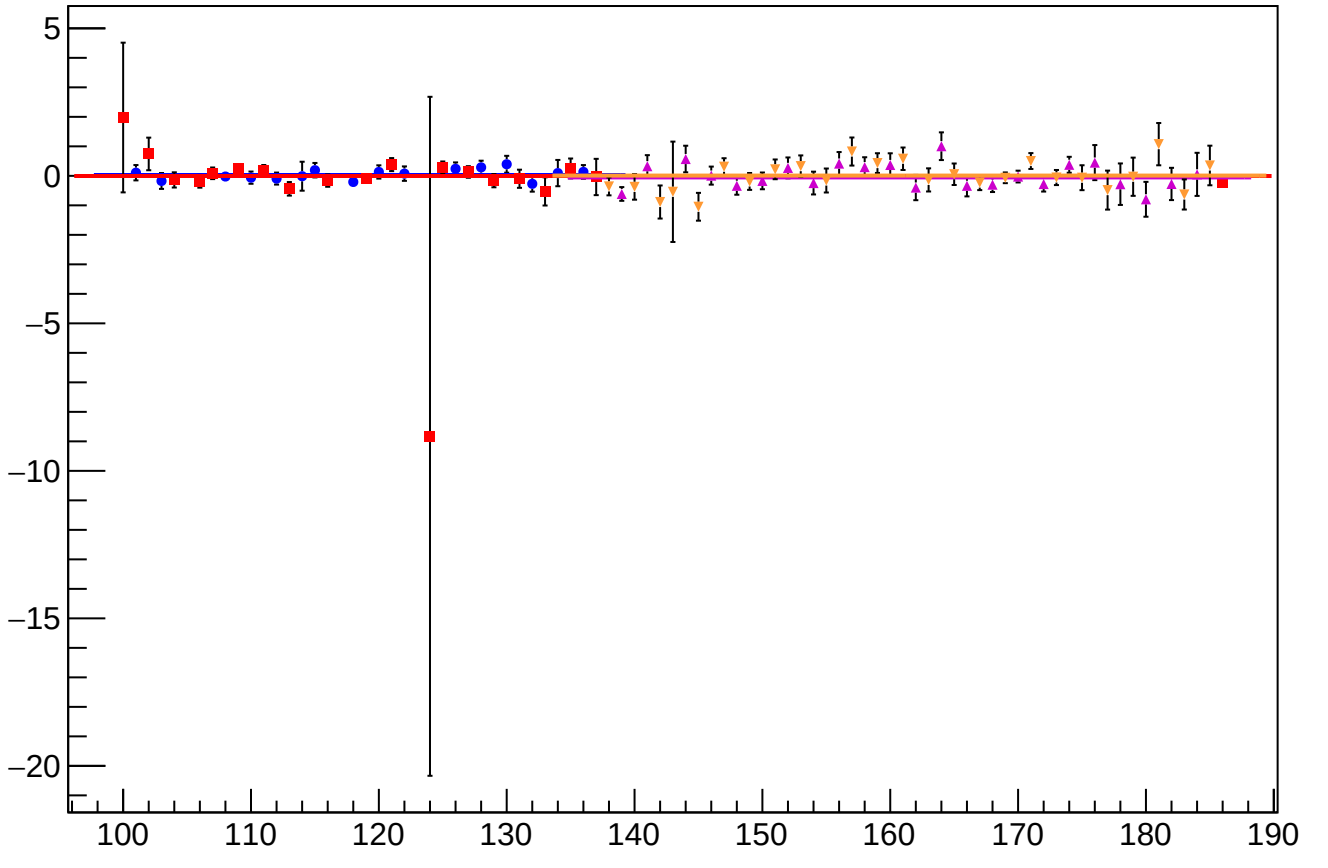
Right Out: 0.000+/-0.000 χ^2/NDF: 2127050.6/19

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4759267.3/40

All: 0.000+/-0.000 χ^2/NDF: 9339600.5/83

- sign 0.000+/-0.000 χ^2/NDF: 4344977.8/42



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

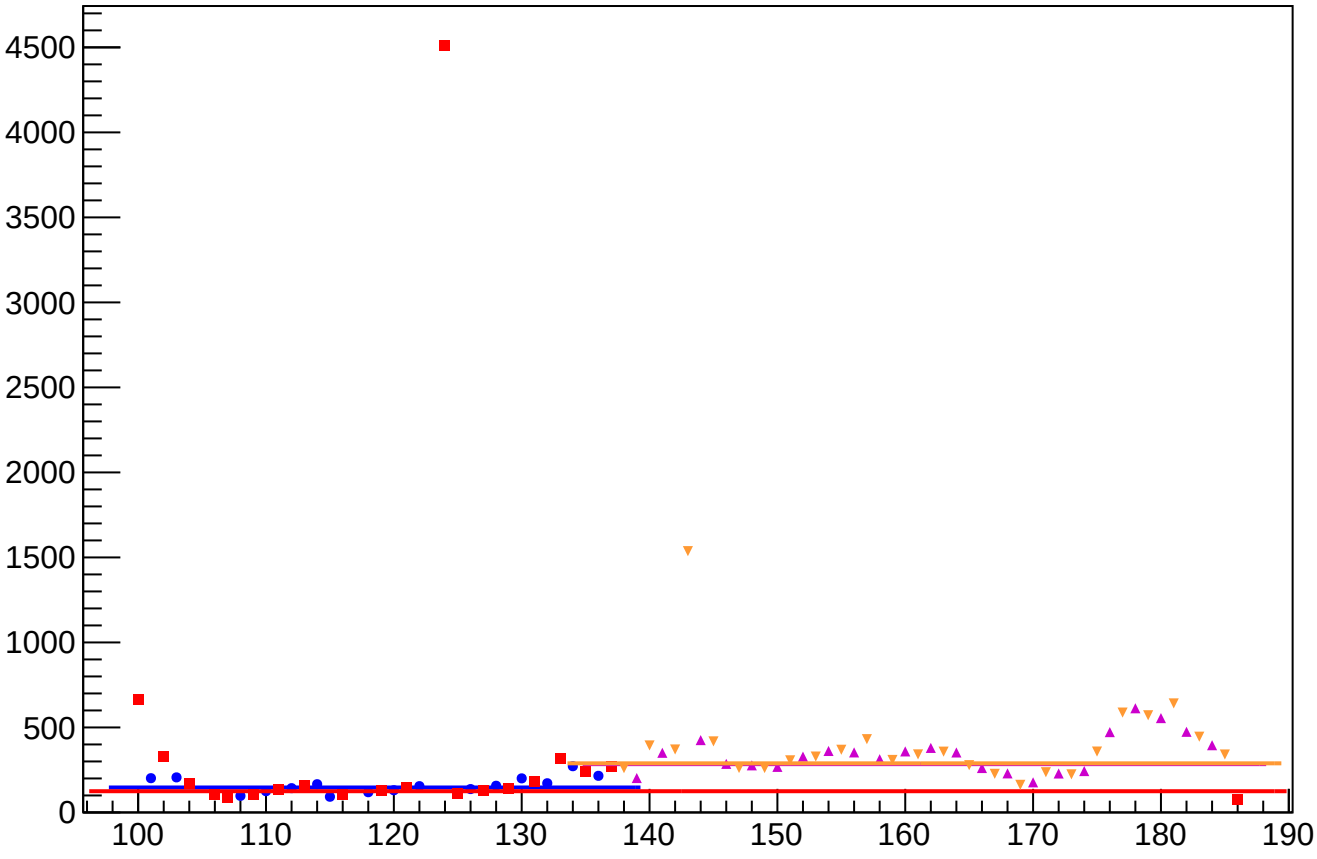
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.020+/-0.045 χ^2/NDF: 38.4/40

All: -0.002+/-0.030 χ^2/NDF: 91.0/83

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

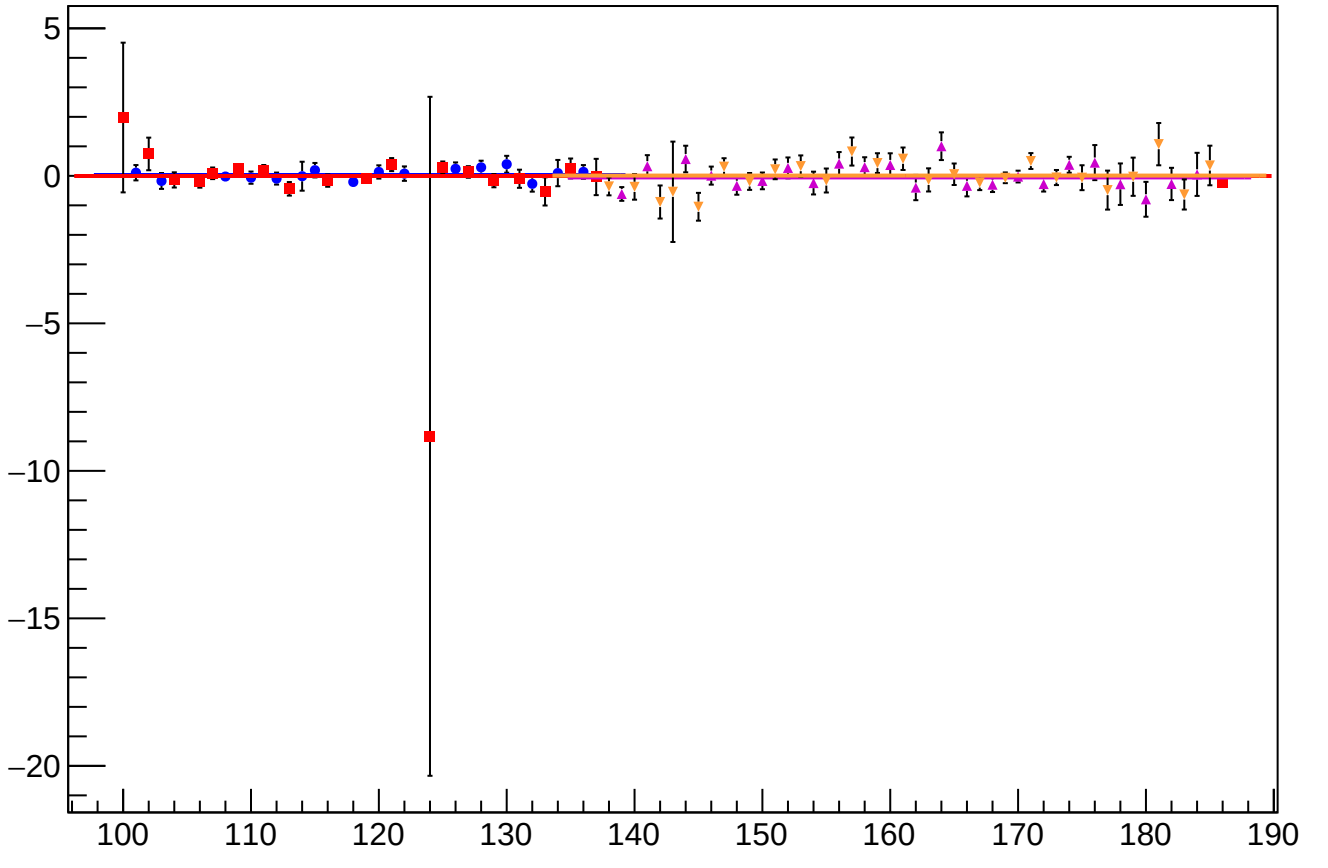
Right Out: 124.903+/-0.036 χ^2/NDF: 1990528.4/19

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 203.332+/-0.032 χ^2/NDF: 10469528.6/40

All: 189.837+/-0.021 χ^2/NDF: 22654834.0/83

- sign 178.593+/-0.029 χ^2/NDF: 11852392.4/42



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

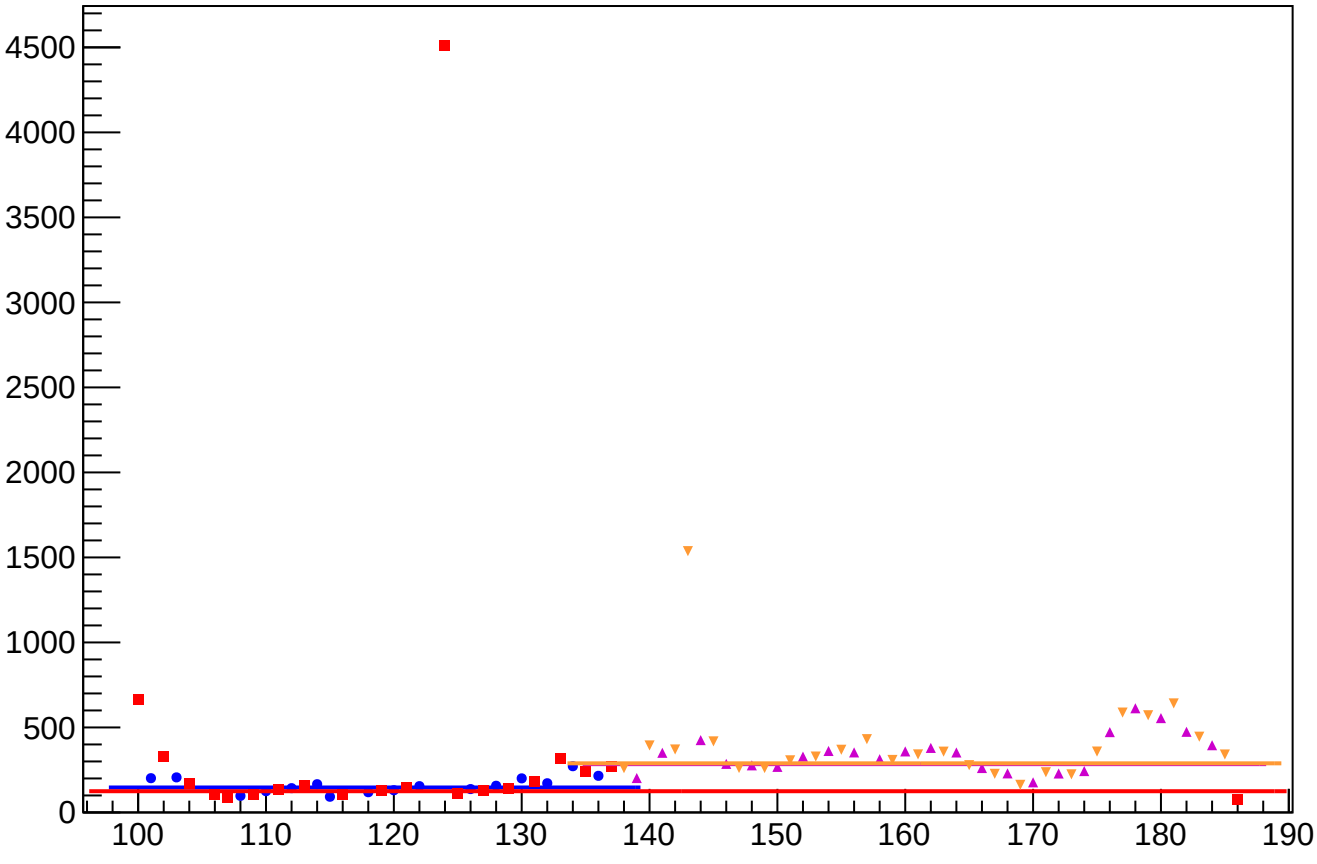
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.020+/-0.045 χ^2/NDF: 38.4/40

All: -0.002+/-0.030 χ^2/NDF: 91.0/83

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

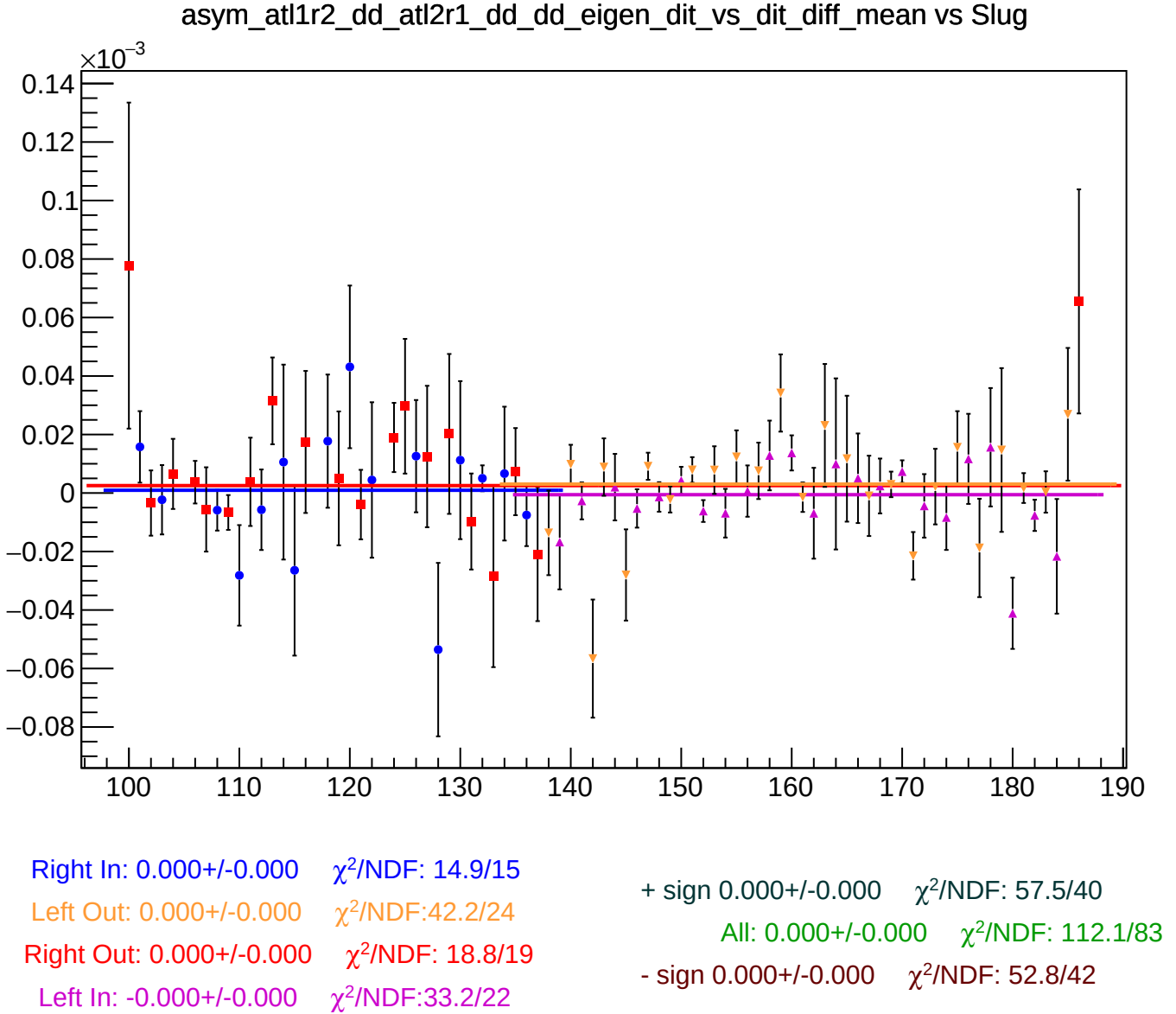
Right Out: 124.903+/-0.036 χ^2/NDF: 1990528.4/19

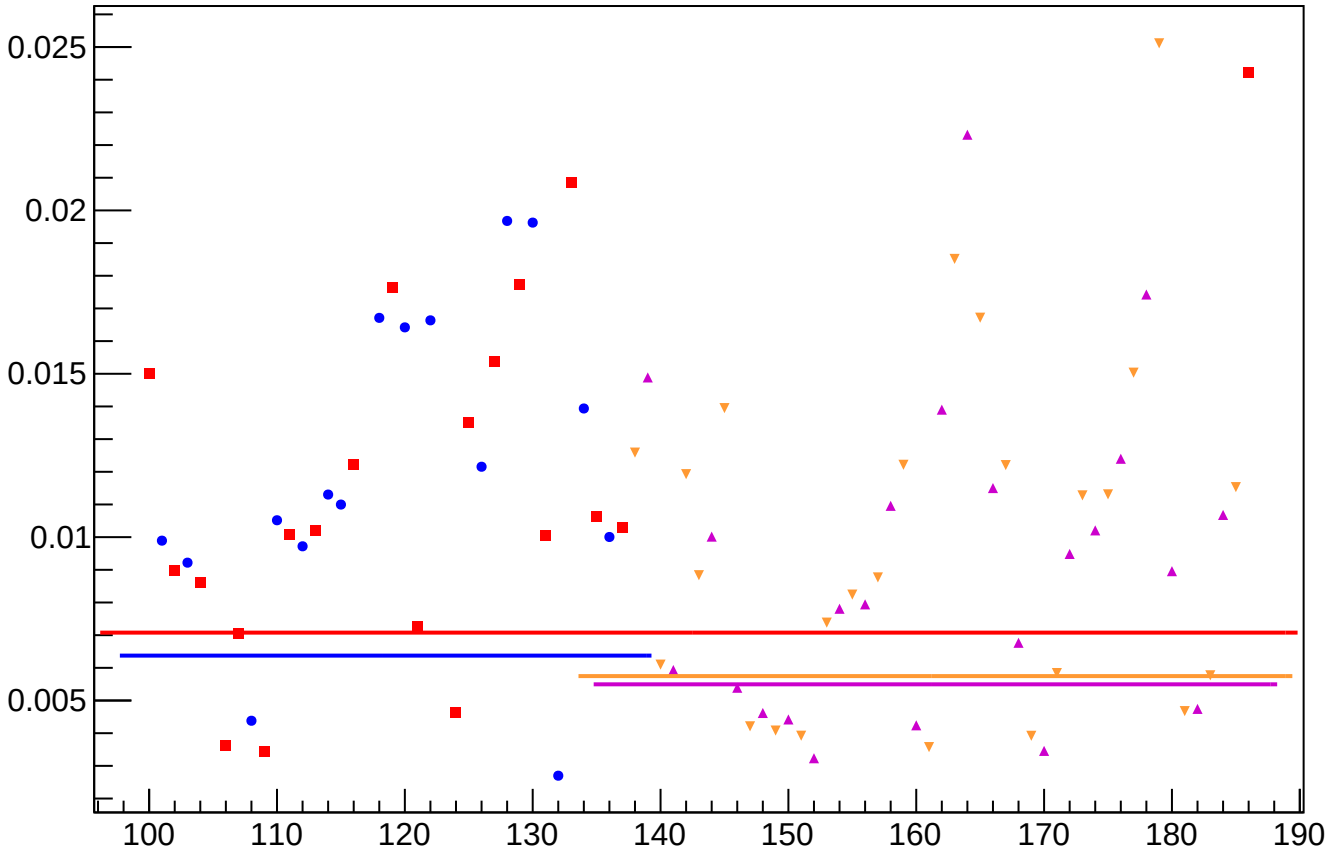
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 203.332+/-0.032 χ^2/NDF: 10469528.6/40

All: 189.837+/-0.021 χ^2/NDF: 22654834.0/83

- sign 178.593+/-0.029 χ^2/NDF: 11852392.4/42


asym_atl1r2_dd_atl2r1_dd_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: 14.9/15
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: 57.5/40
All: 0.000+/-0.000 χ²/NDF: 112.1/83
- sign 0.000+/-0.000 χ²/NDF: 52.8/42



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

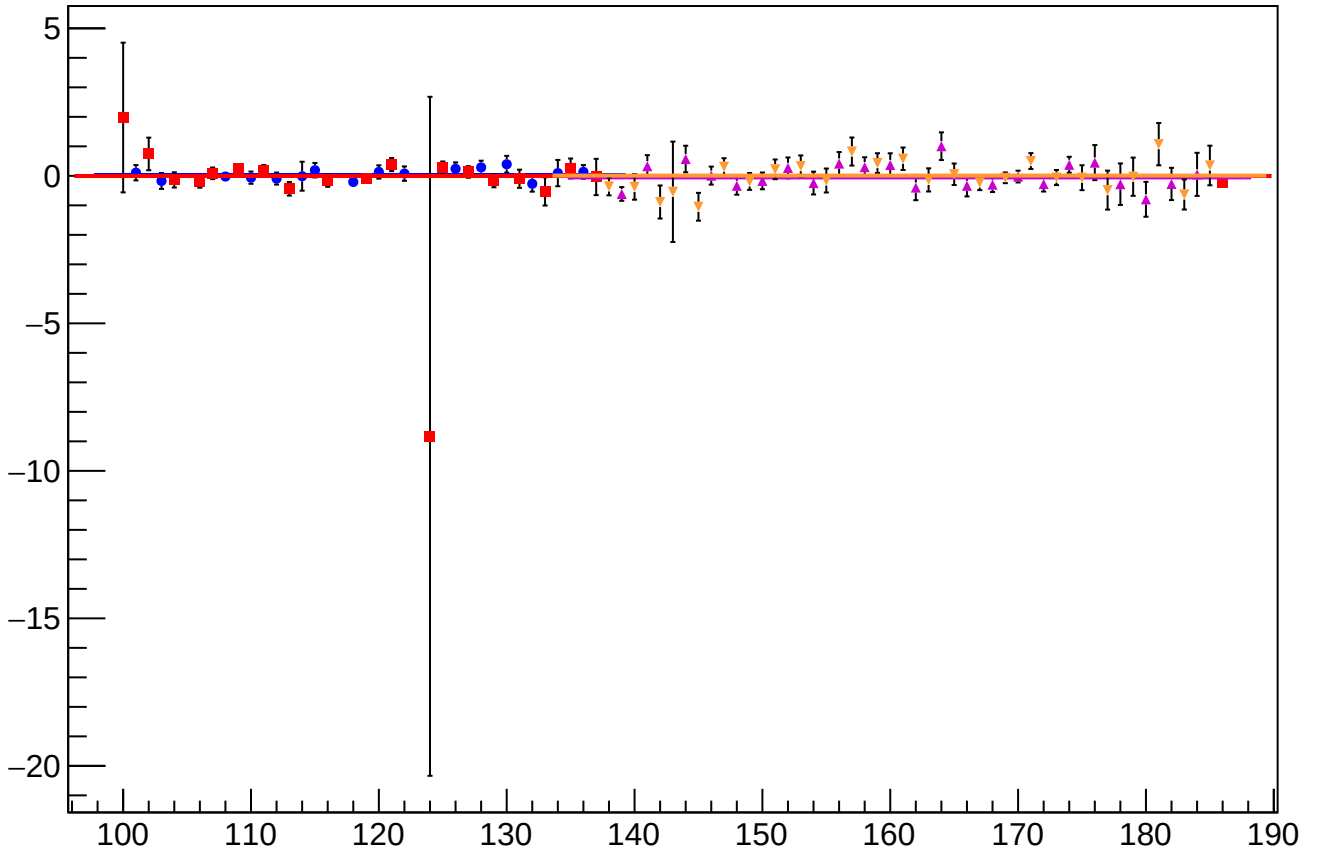
Right Out: 0.007+/-0.000 χ^2/NDF: 3813334.3/19

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 12840534.1/40

All: 0.006+/-0.000 χ^2/NDF: 24035502.7/83

- sign 0.006+/-0.000 χ^2/NDF: 11192731.8/42



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

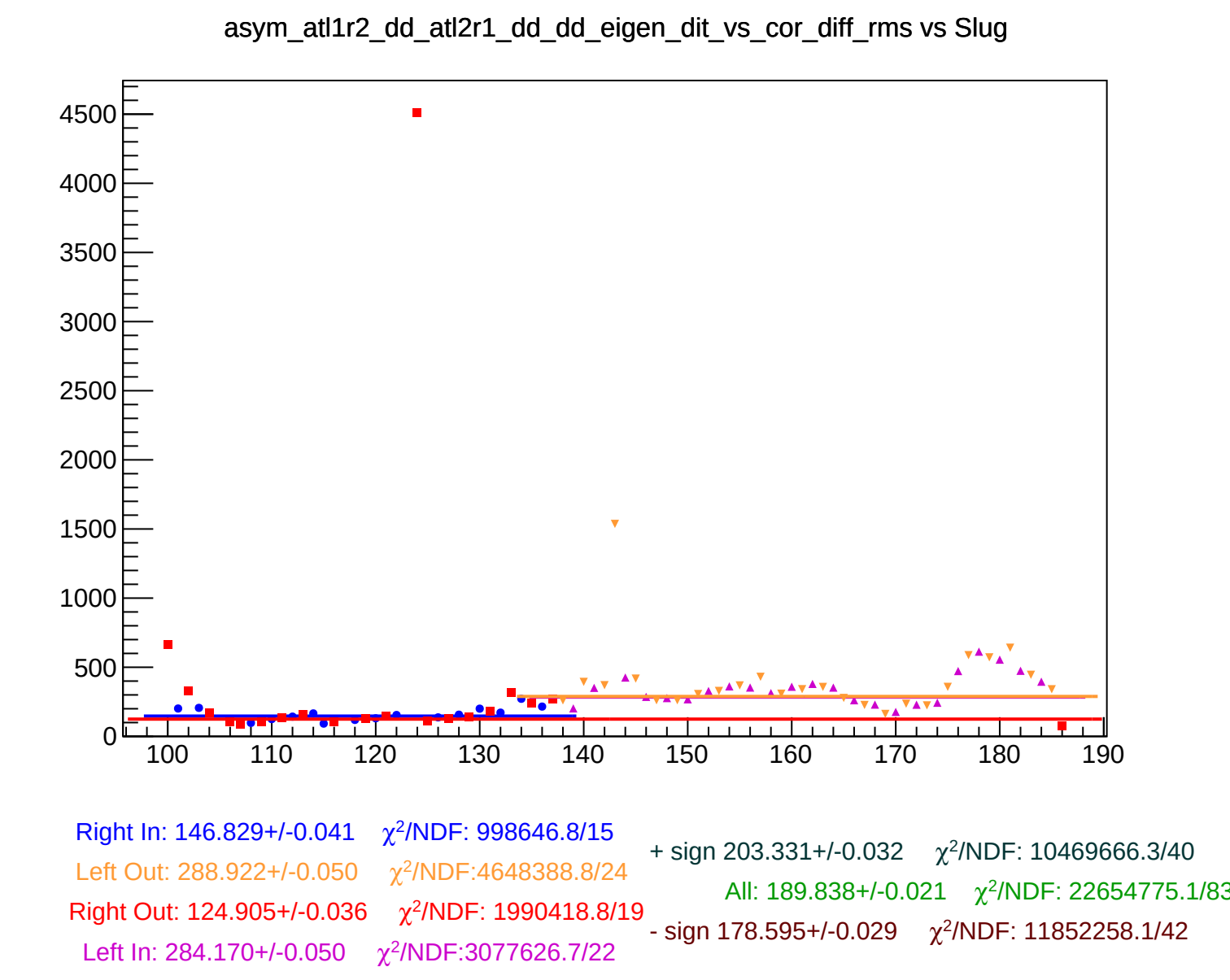
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

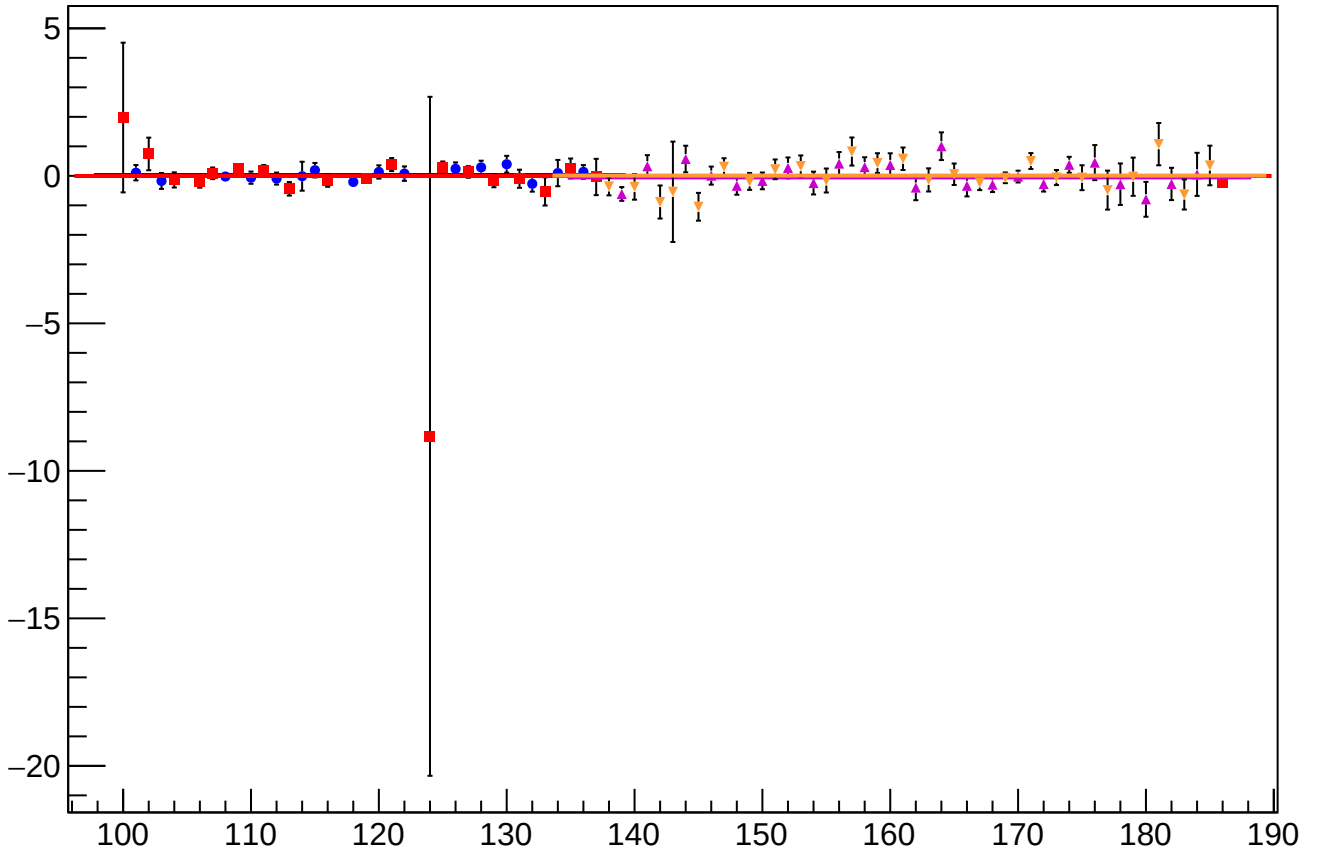
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.021+/-0.045 χ^2/NDF: 38.4/40

All: -0.002+/-0.030 χ^2/NDF: 91.0/83

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42


asym_atl1r2_dd_atl2r1_dd_dd_eigen_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: 146.829+/-0.041 χ²/NDF: 998646.8/15
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 203.331+/-0.032 χ²/NDF: 10469666.3/40
All: 189.838+/-0.021 χ²/NDF: 22654775.1/83
- sign 178.595+/-0.029 χ²/NDF: 11852258.1/42



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

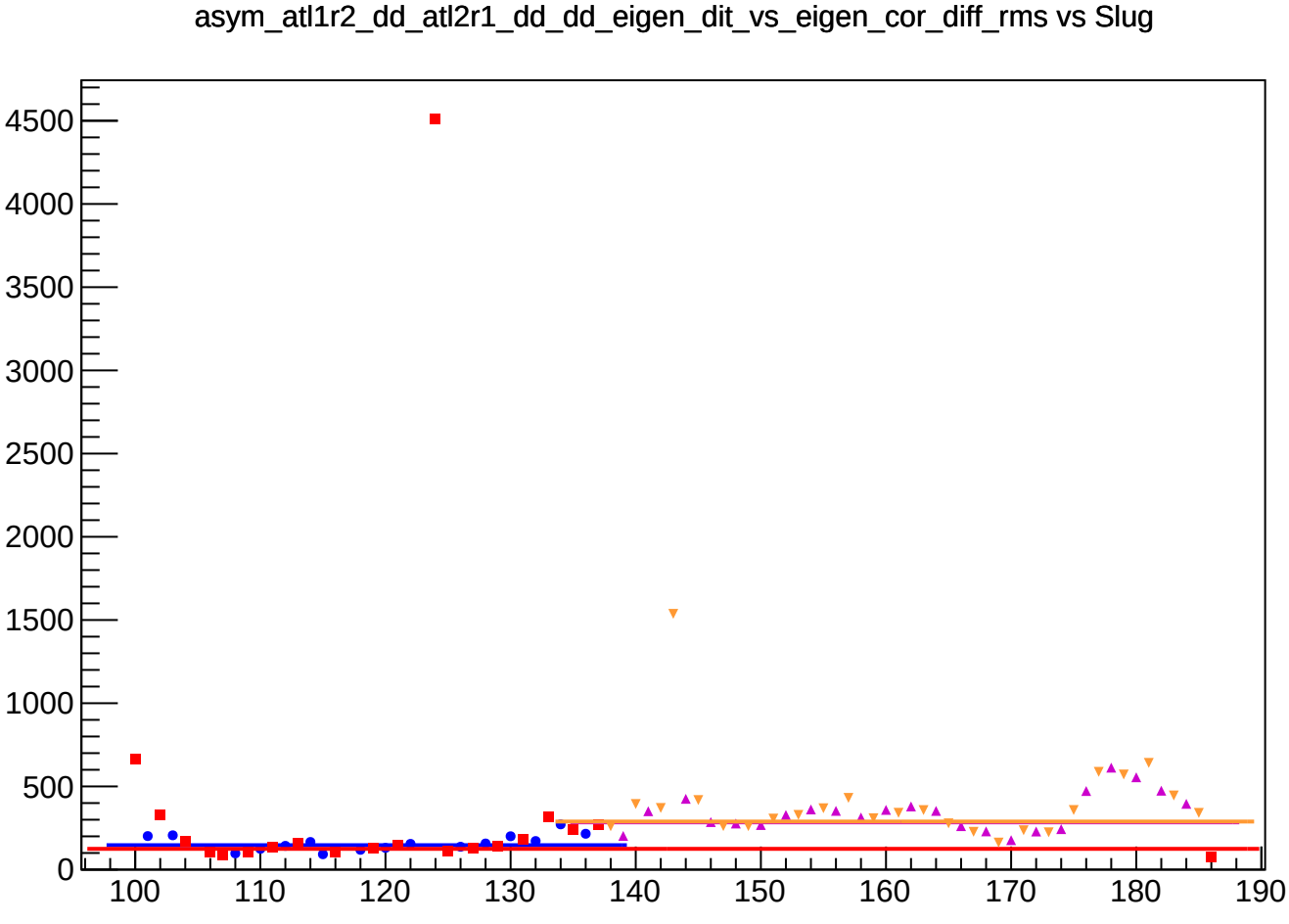
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

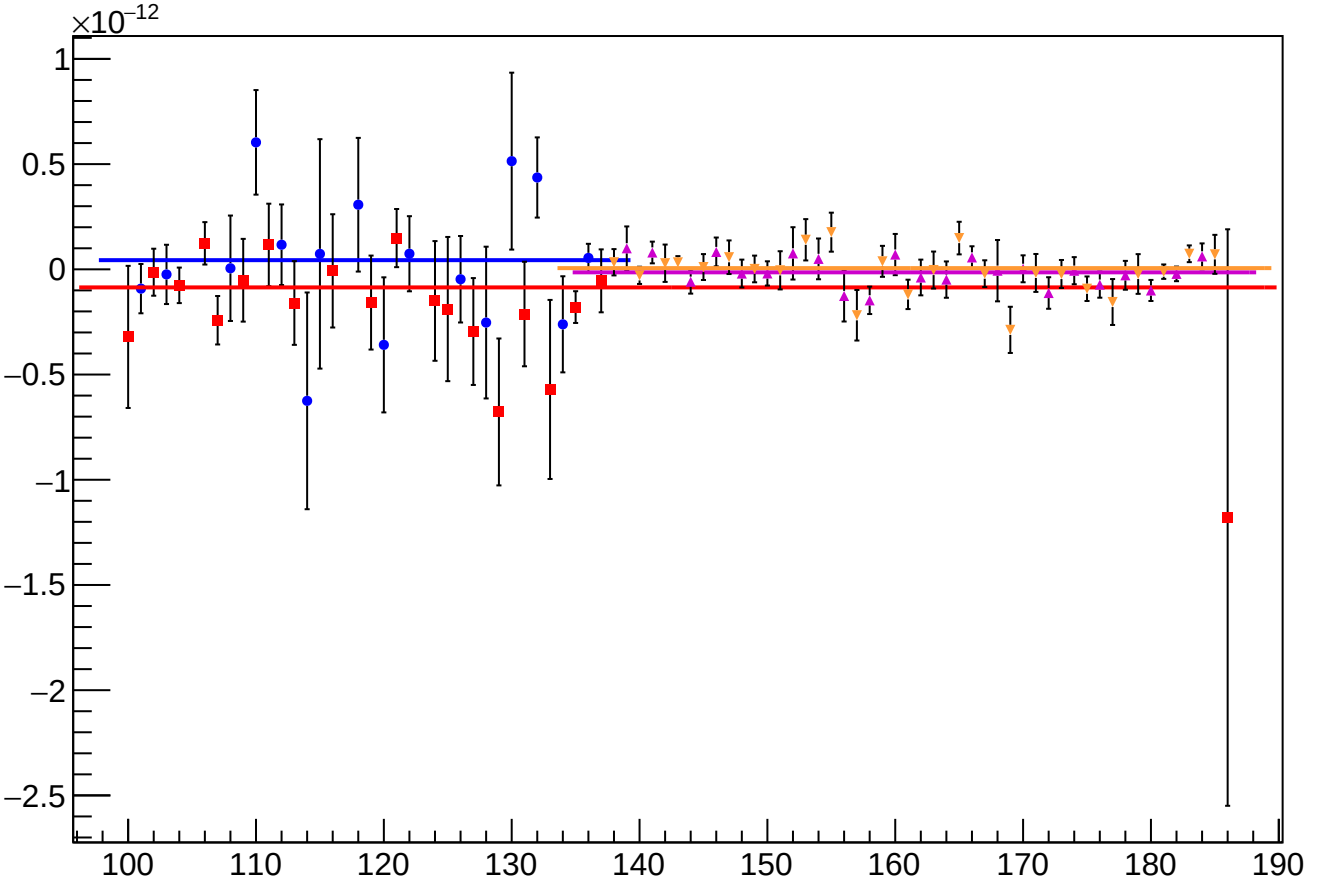
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.021+/-0.045 χ^2/NDF: 38.4/40

All: -0.002+/-0.030 χ^2/NDF: 91.0/83

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42


asym_atl1r2_dd_atl2r1_dd_dd_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: 146.829+/-0.041 χ²/NDF: 998646.8/15
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 203.331+/-0.032 χ²/NDF: 10469666.3/40
All: 189.838+/-0.021 χ²/NDF: 22654775.1/83
- sign 178.595+/-0.029 χ²/NDF: 11852258.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

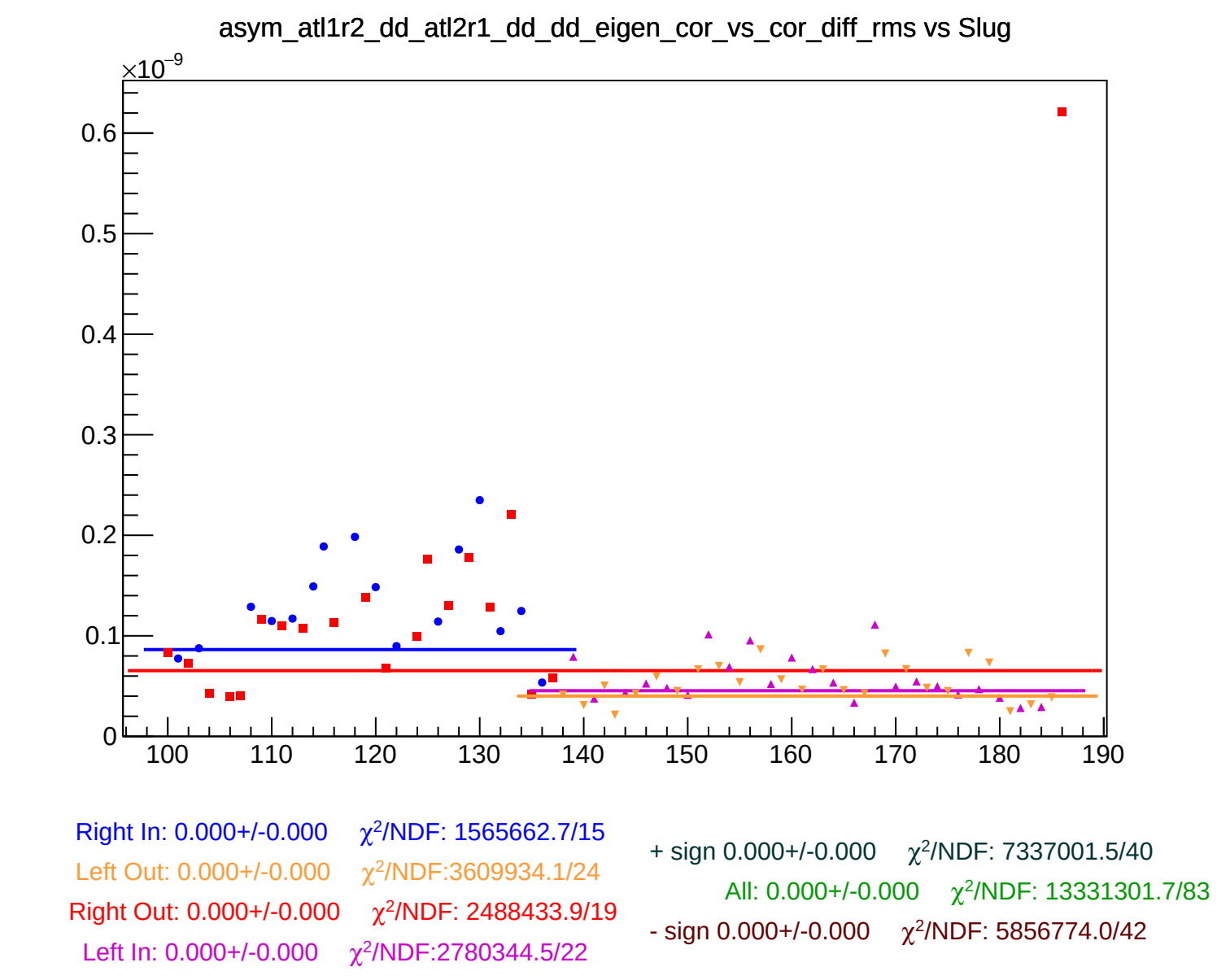
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/19

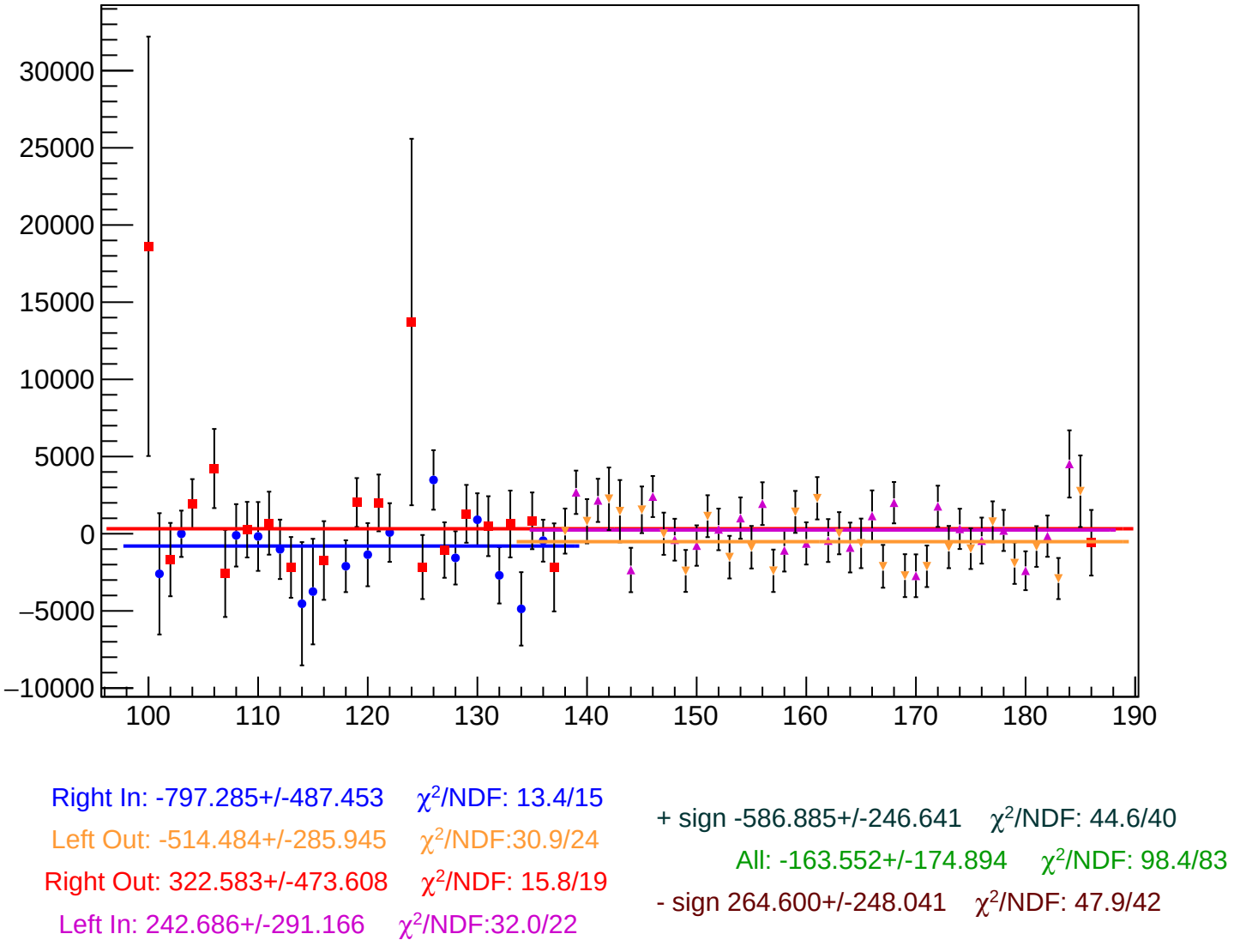
Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.8/40

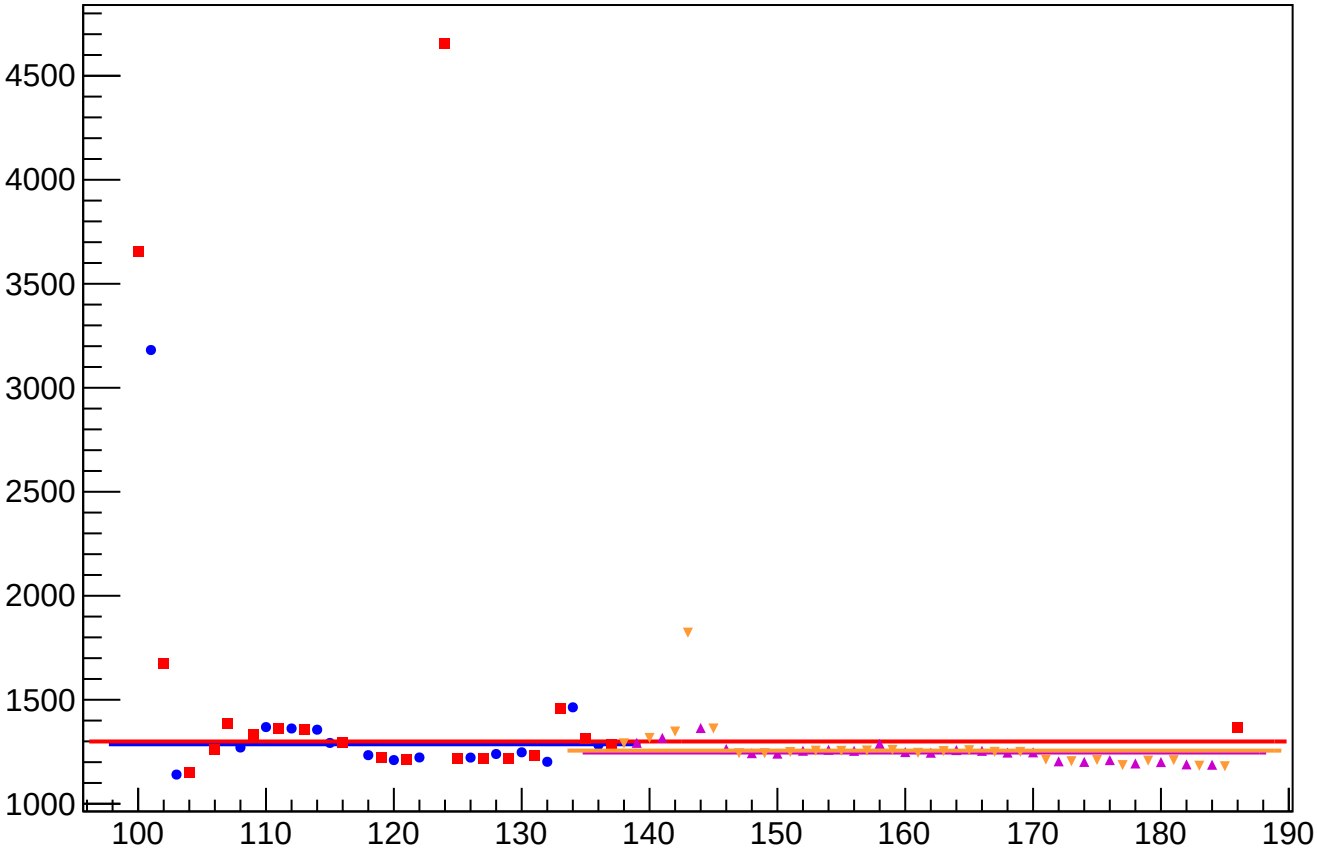
All: -0.000+/-0.000 χ^2/NDF: 103.3/83

- 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: 1565662.7/15
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: 7337001.5/40
All: 0.000+/-0.000 χ²/NDF: 13331301.7/83
- sign 0.000+/-0.000 χ²/NDF: 5856774.0/42


reg_asym_atl1r2_dd_atl2r1_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: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: -514.484+/-285.945 χ²/NDF:30.9/24
Right Out: 322.583+/-473.608 χ²/NDF: 15.8/19
Left In: 242.686+/-291.166 χ²/NDF:32.0/22
+ sign -586.885+/-246.641 χ²/NDF: 44.6/40
All: -163.552+/-174.894 χ²/NDF: 98.4/83
- sign 264.600+/-248.041 χ²/NDF: 47.9/42

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

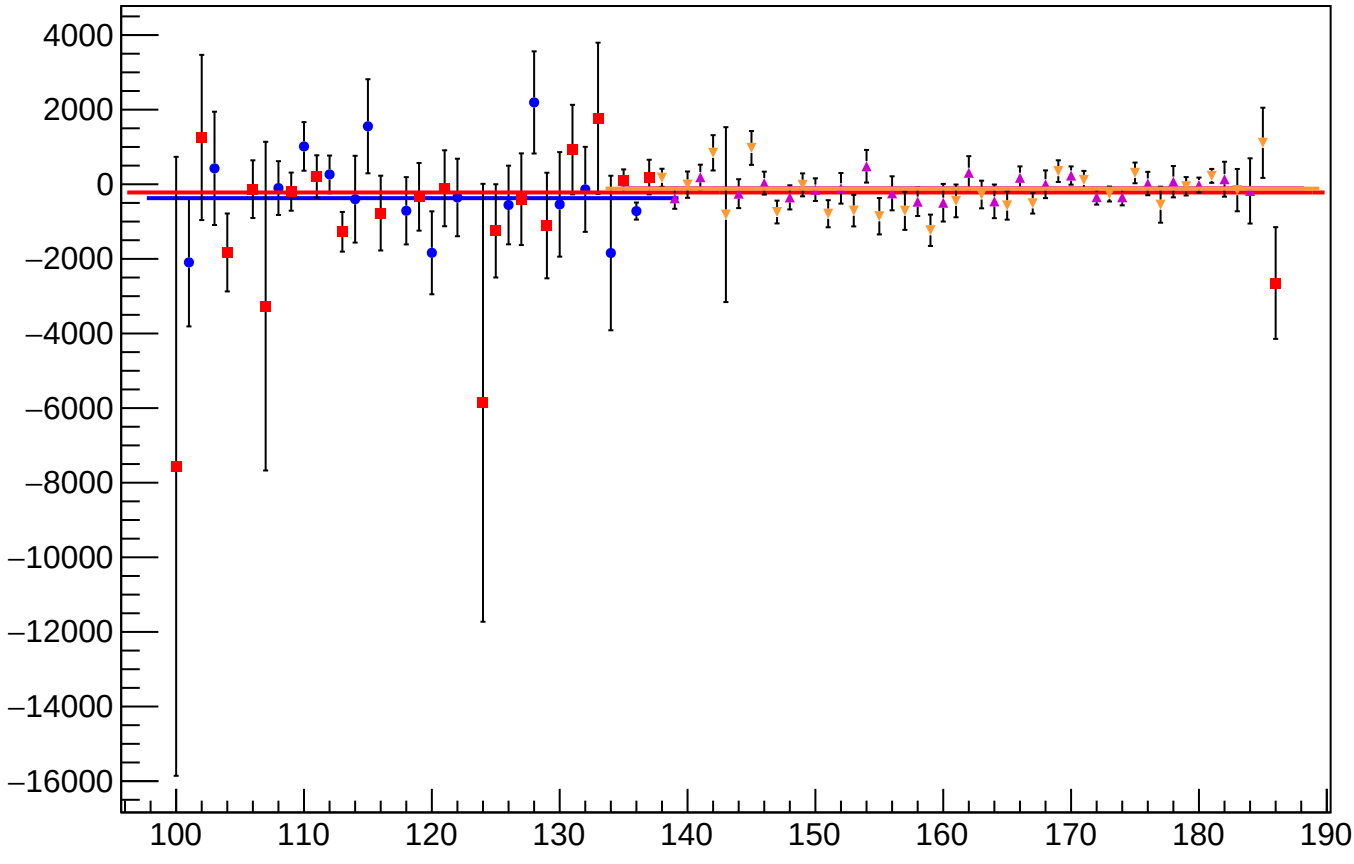
Right Out: 1299.478+/-0.335 χ^2/NDF: 330201.9/19

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.344+/-0.174 χ^2/NDF: 727108.3/40

All: 1262.141+/-0.124 χ^2/NDF: 1115523.9/83

- sign 1260.926+/-0.175 χ^2/NDF: 388320.1/42



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

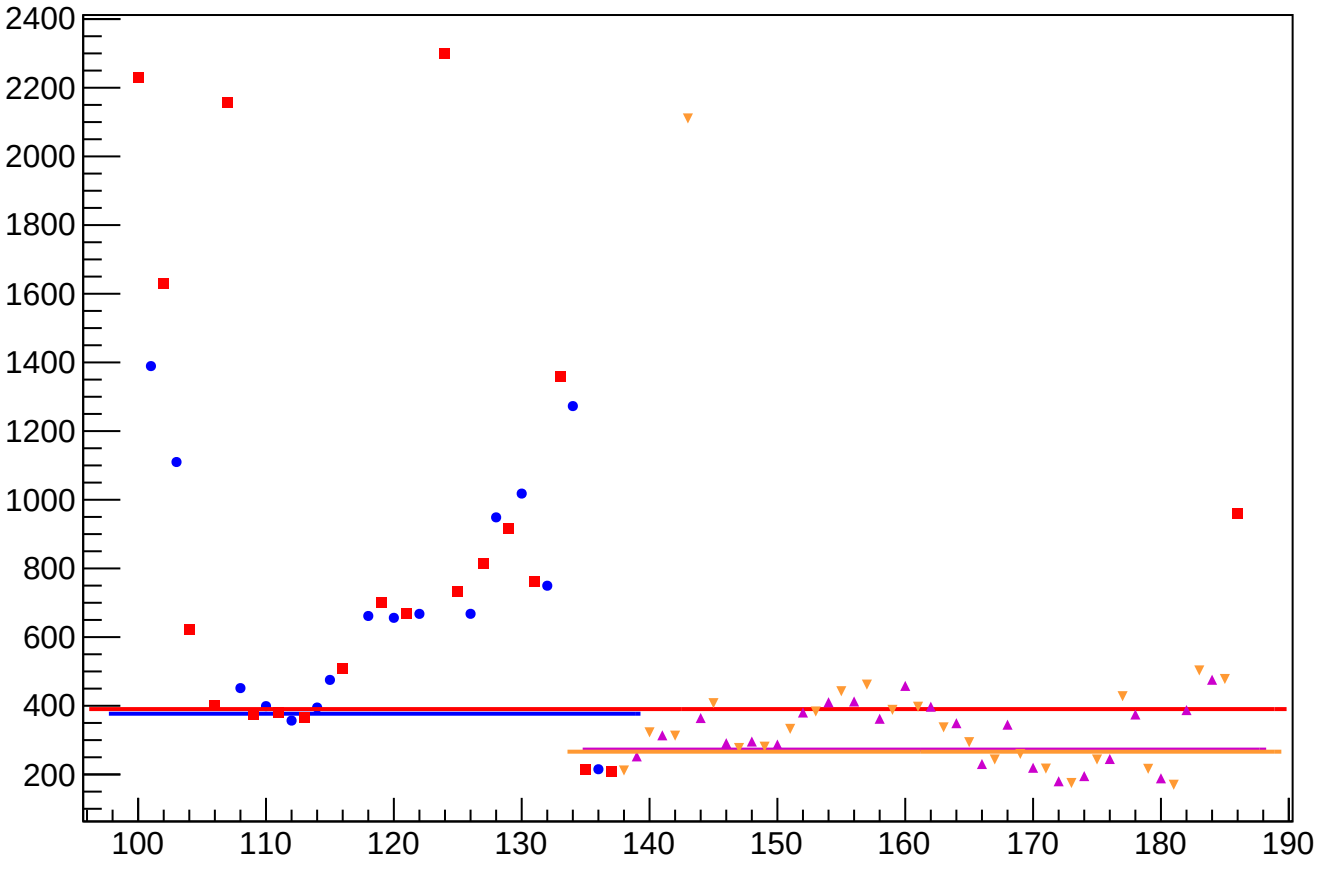
Right Out: -220.052+/-168.499 χ^2/NDF: 17.3/19

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -150.251+/-60.678 χ^2/NDF: 68.6/40

All: -136.844+/-43.454 χ^2/NDF: 100.1/83

- sign -122.729+/-62.259 χ^2/NDF: 31.4/42



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

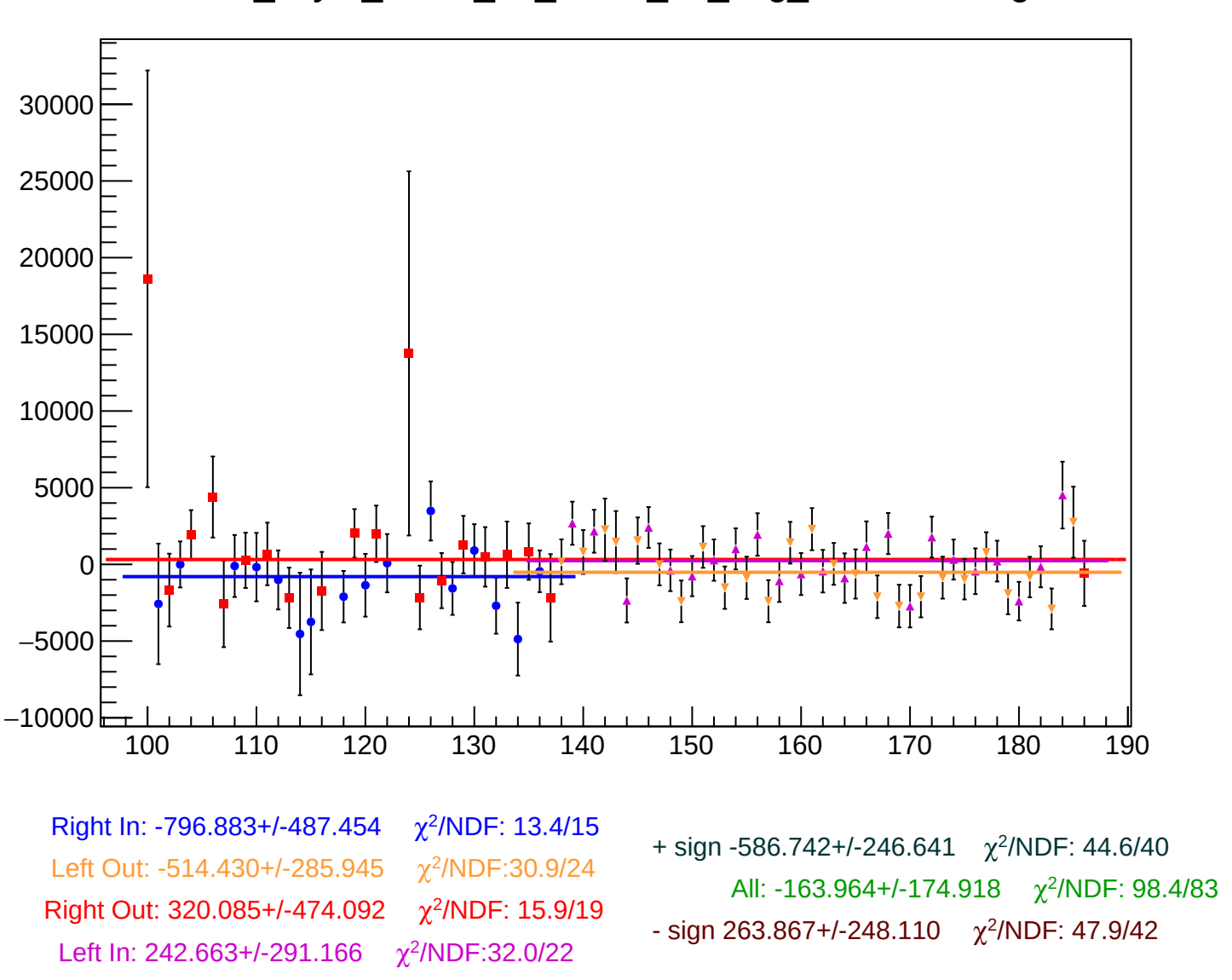
Right Out: 390.382+/-0.119 χ^2/NDF: 4347639.0/19

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

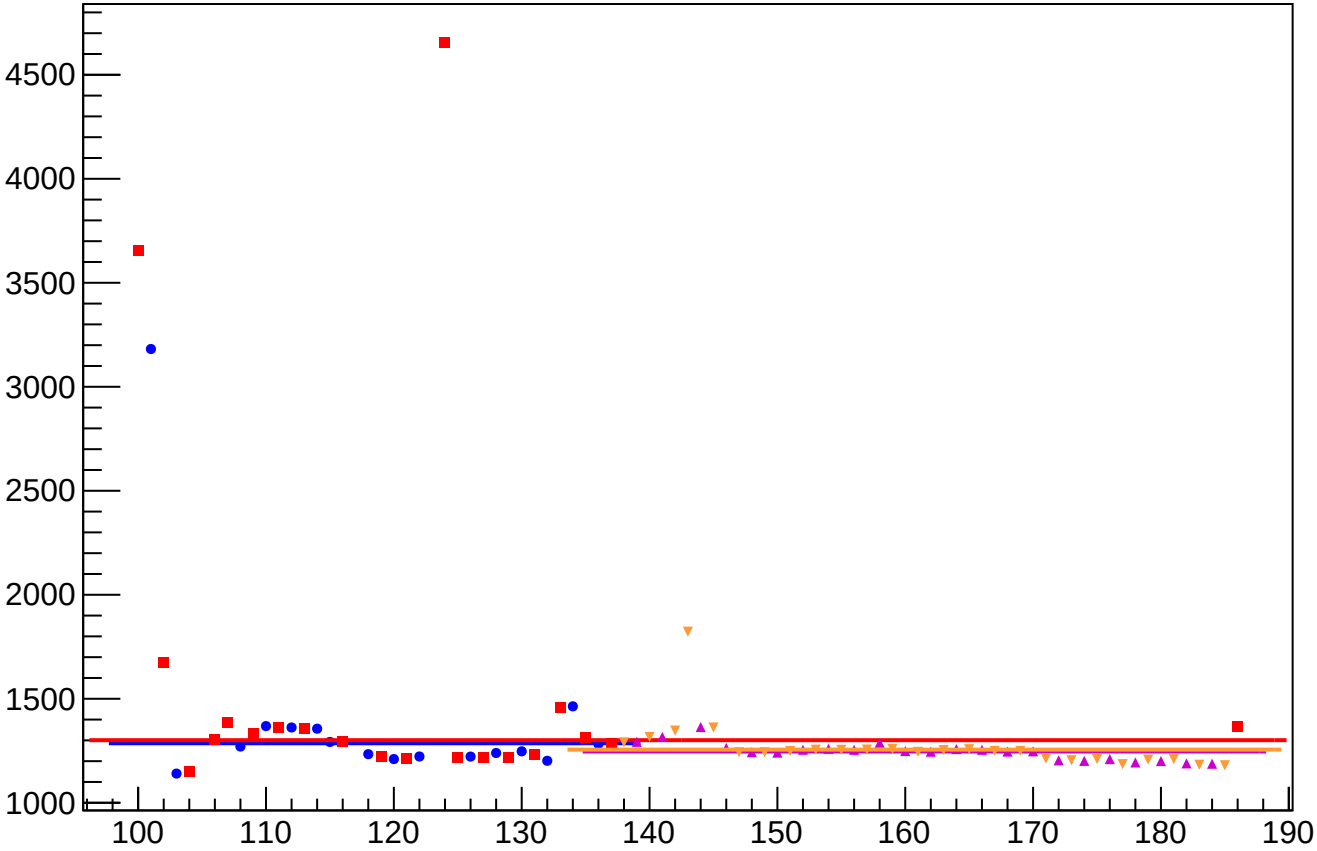
+ sign 280.710+/-0.043 χ^2/NDF: 9572120.5/40

All: 284.495+/-0.031 χ^2/NDF: 17670688.6/83

- sign 288.480+/-0.044 χ^2/NDF: 8082593.3/42


cor_asym_atl1r2_dd_atl2r1_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: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -514.430+/-285.945 χ²/NDF:30.9/24
Right Out: 320.085+/-474.092 χ²/NDF: 15.9/19
Left In: 242.663+/-291.166 χ²/NDF:32.0/22
+ sign -586.742+/-246.641 χ²/NDF: 44.6/40
All: -163.964+/-174.918 χ²/NDF: 98.4/83
- sign 263.867+/-248.110 χ²/NDF: 47.9/42

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

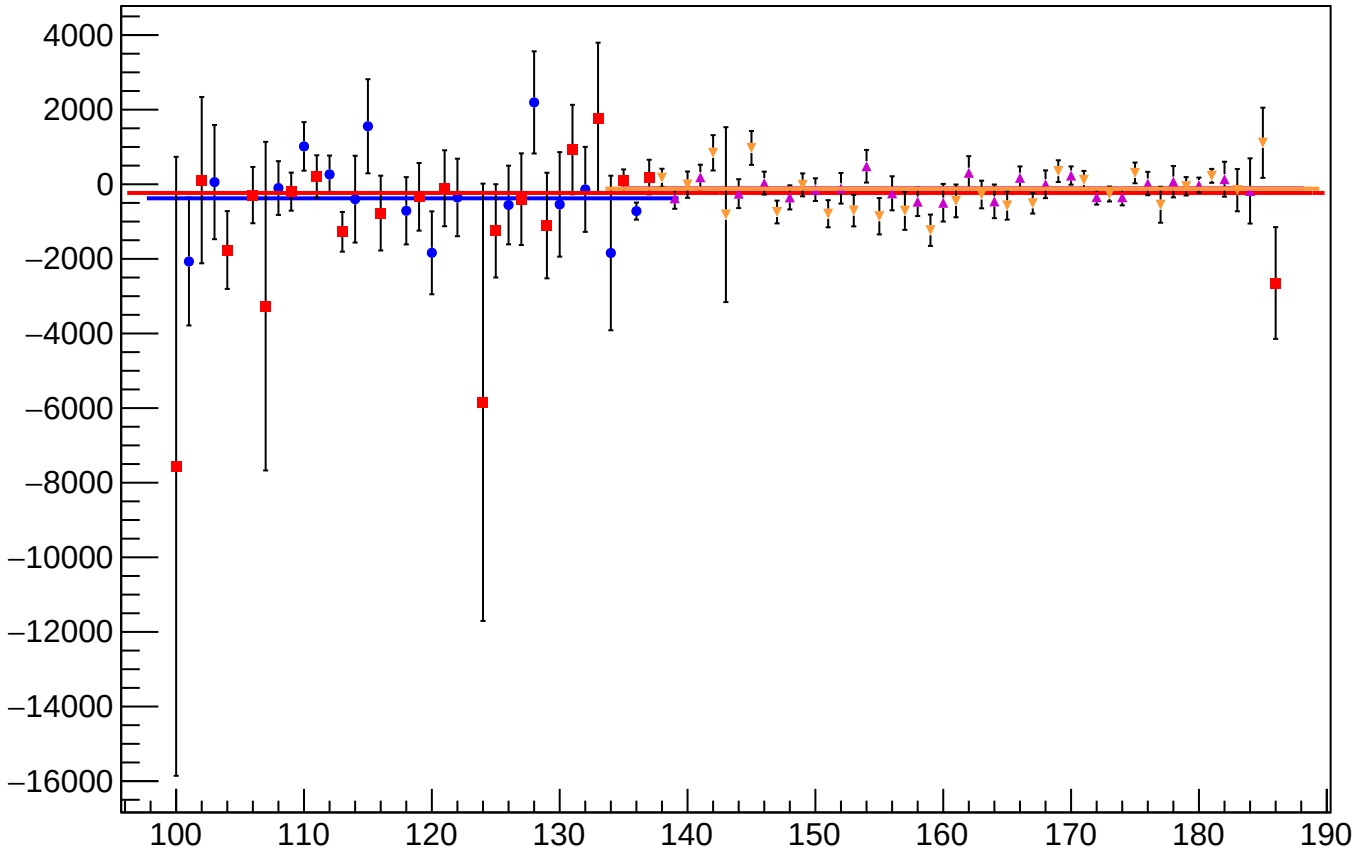
Right Out: 1300.864+/-0.335 χ^2/NDF: 329787.5/19

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.344+/-0.174 χ^2/NDF: 727109.6/40

All: 1262.320+/-0.124 χ^2/NDF: 1116021.4/83

- sign 1261.284+/-0.175 χ^2/NDF: 388842.5/42



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

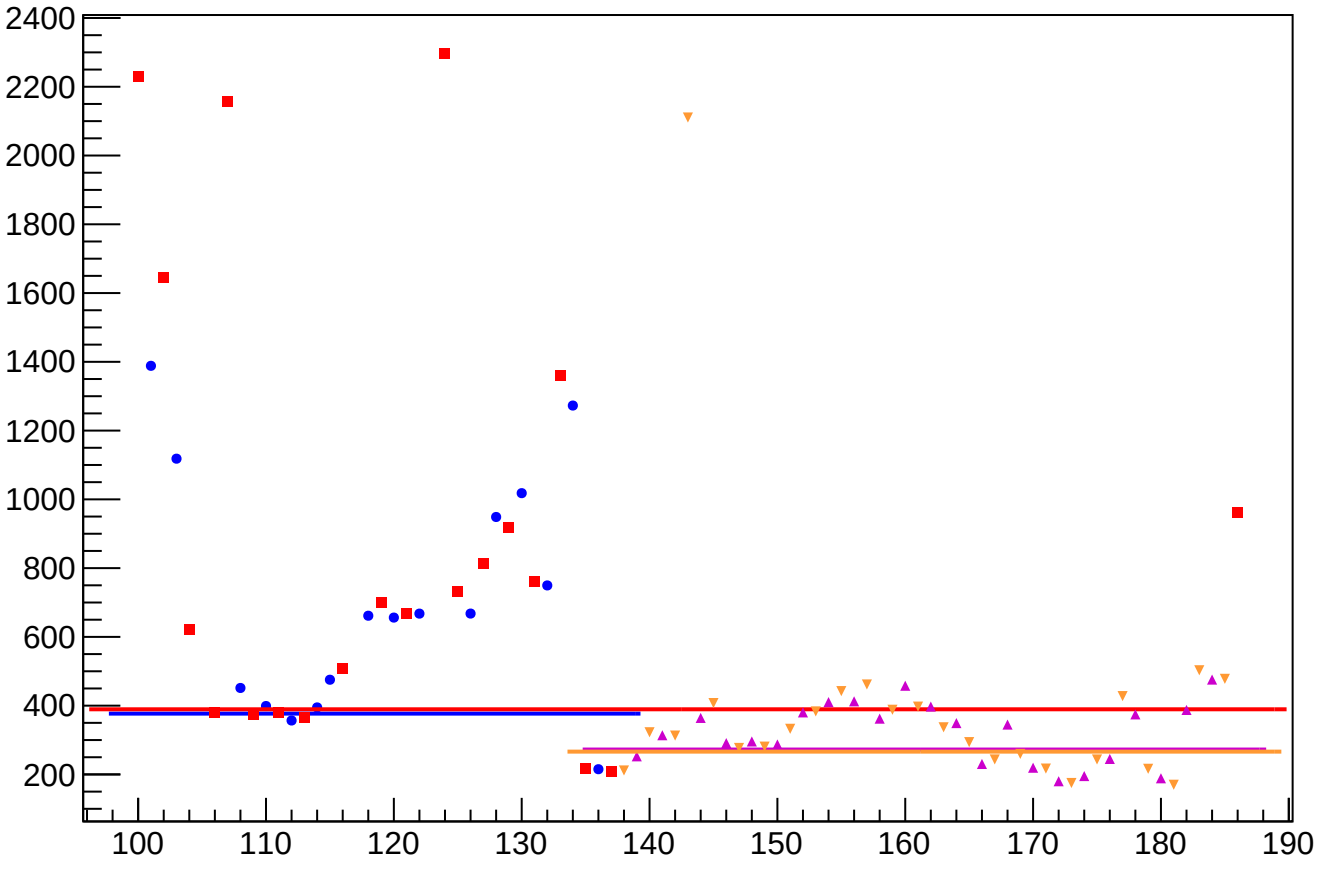
Right Out: -233.010+/-168.305 χ^2/NDF: 16.7/19

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -150.801+/-60.680 χ^2/NDF: 68.5/40

All: -138.053+/-43.452 χ^2/NDF: 99.4/83

- sign -124.635+/-62.251 χ^2/NDF: 30.9/42



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

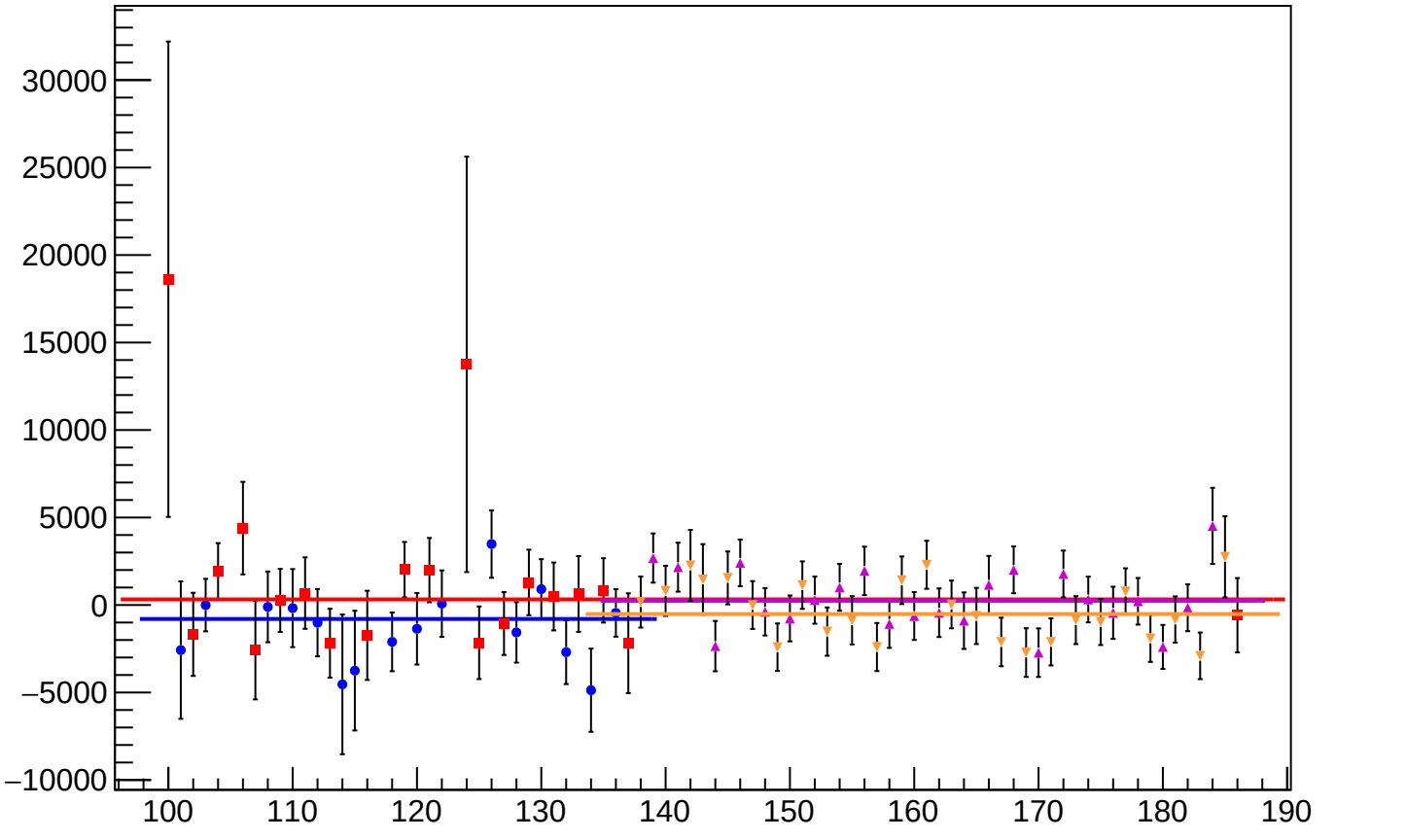
Right Out: 389.439+/-0.119 χ^2/NDF: 4354080.8/19

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 280.711+/-0.043 χ^2/NDF: 9574940.3/40

All: 284.454+/-0.031 χ^2/NDF: 17667397.4/83

- sign 288.392+/-0.044 χ^2/NDF: 8076844.6/42



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

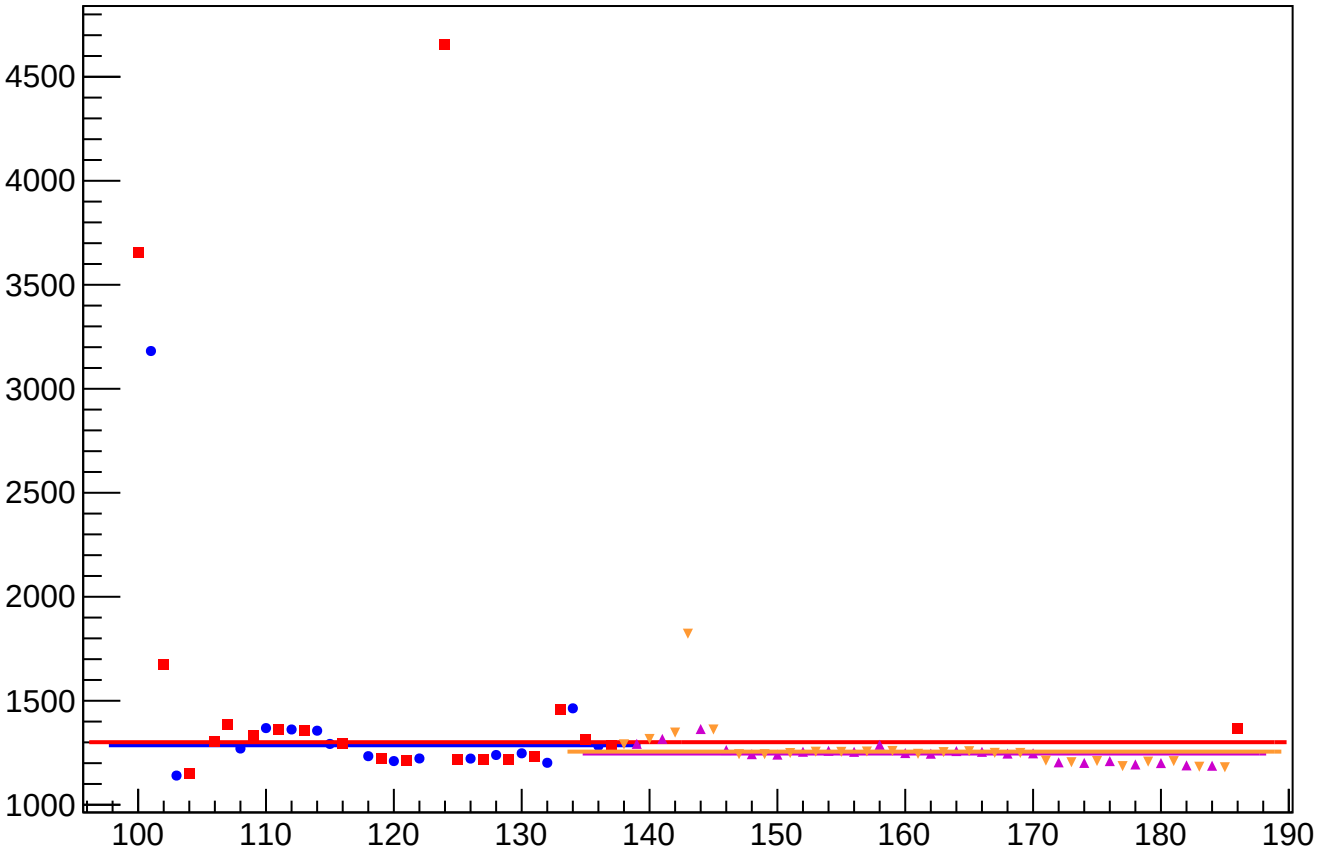
Right Out: 320.085+/-474.092 χ^2/NDF: 15.9/19

Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -586.742+/-246.641 χ^2/NDF: 44.6/40

All: -163.964+/-174.918 χ^2/NDF: 98.4/83

- sign 263.867+/-248.110 χ^2/NDF: 47.9/42



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

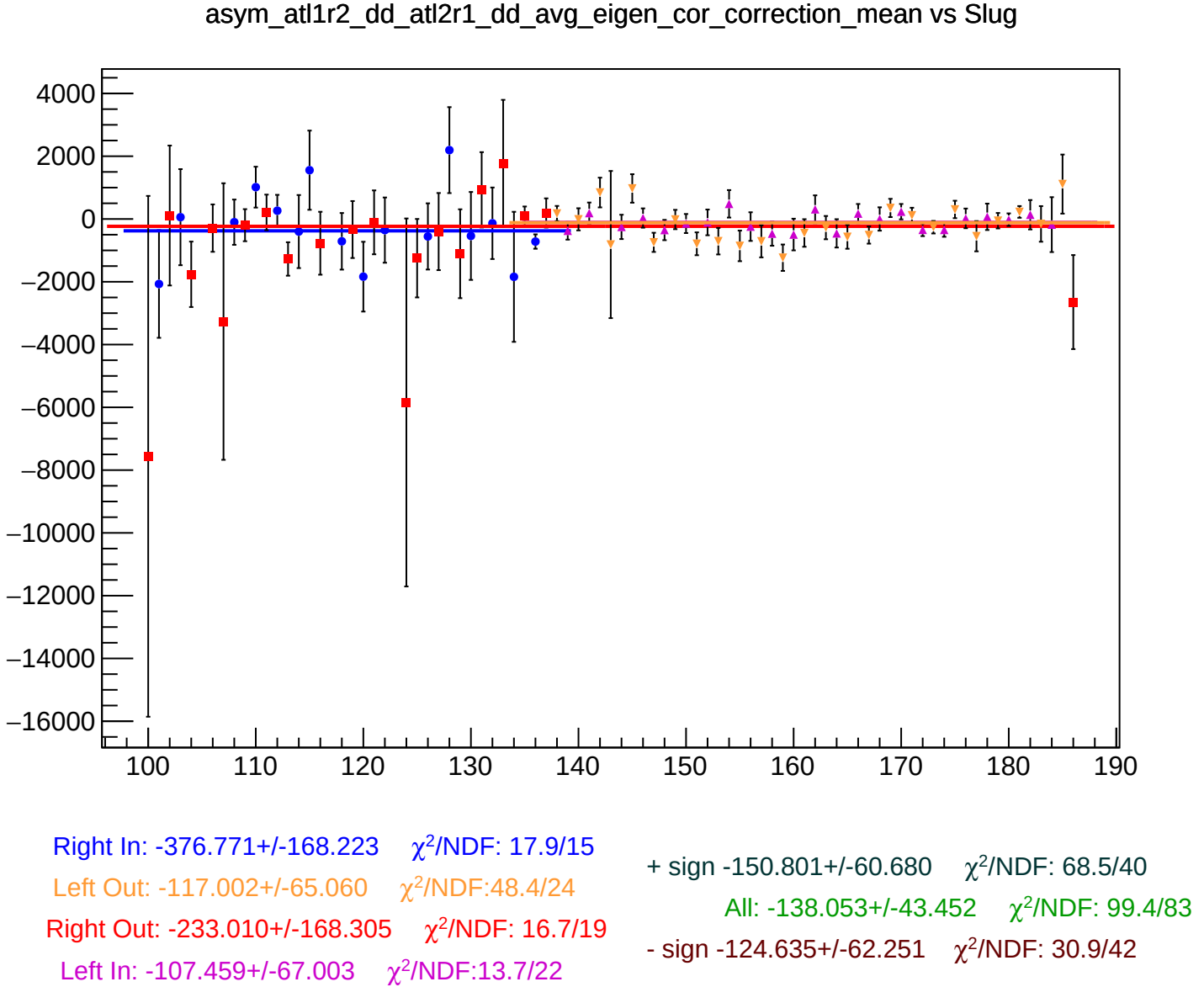
Right Out: 1300.864+/-0.335 χ^2/NDF: 329787.5/19

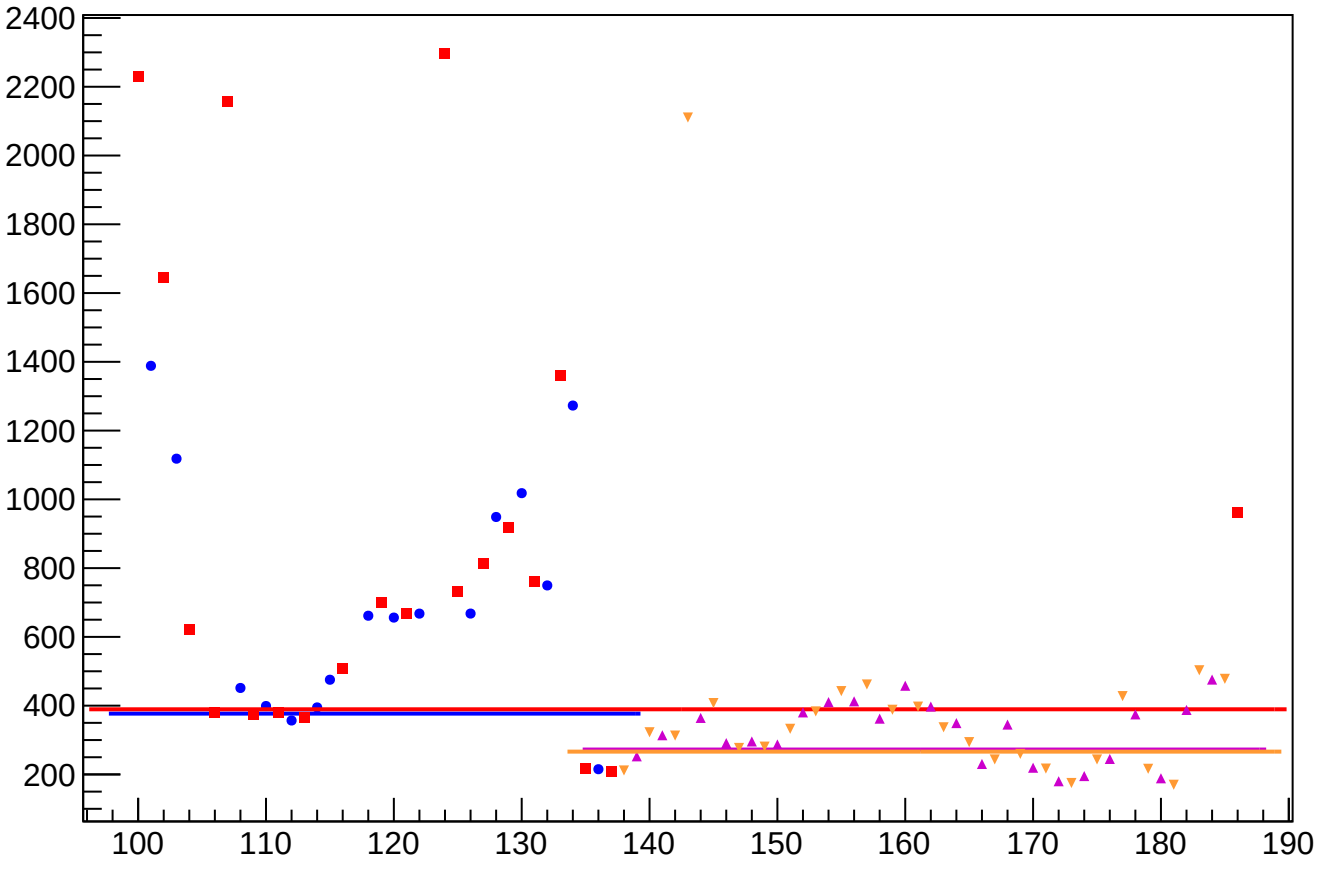
Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.344+/-0.174 χ^2/NDF: 727109.6/40

All: 1262.320+/-0.124 χ^2/NDF: 1116021.4/83

- sign 1261.284+/-0.175 χ^2/NDF: 388842.5/42


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
100
110
120
130
140
150
160
170
180
190
Right In: -376.771+/-168.223 χ²/NDF: 17.9/15
Left Out: -117.002+/-65.060 χ²/NDF:48.4/24
Right Out: -233.010+/-168.305 χ²/NDF: 16.7/19
Left In: -107.459+/-67.003 χ²/NDF:13.7/22
+ sign -150.801+/-60.680 χ²/NDF: 68.5/40
All: -138.053+/-43.452 χ²/NDF: 99.4/83
- sign -124.635+/-62.251 χ²/NDF: 30.9/42



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 389.439+/-0.119 χ^2/NDF: 4354080.8/19

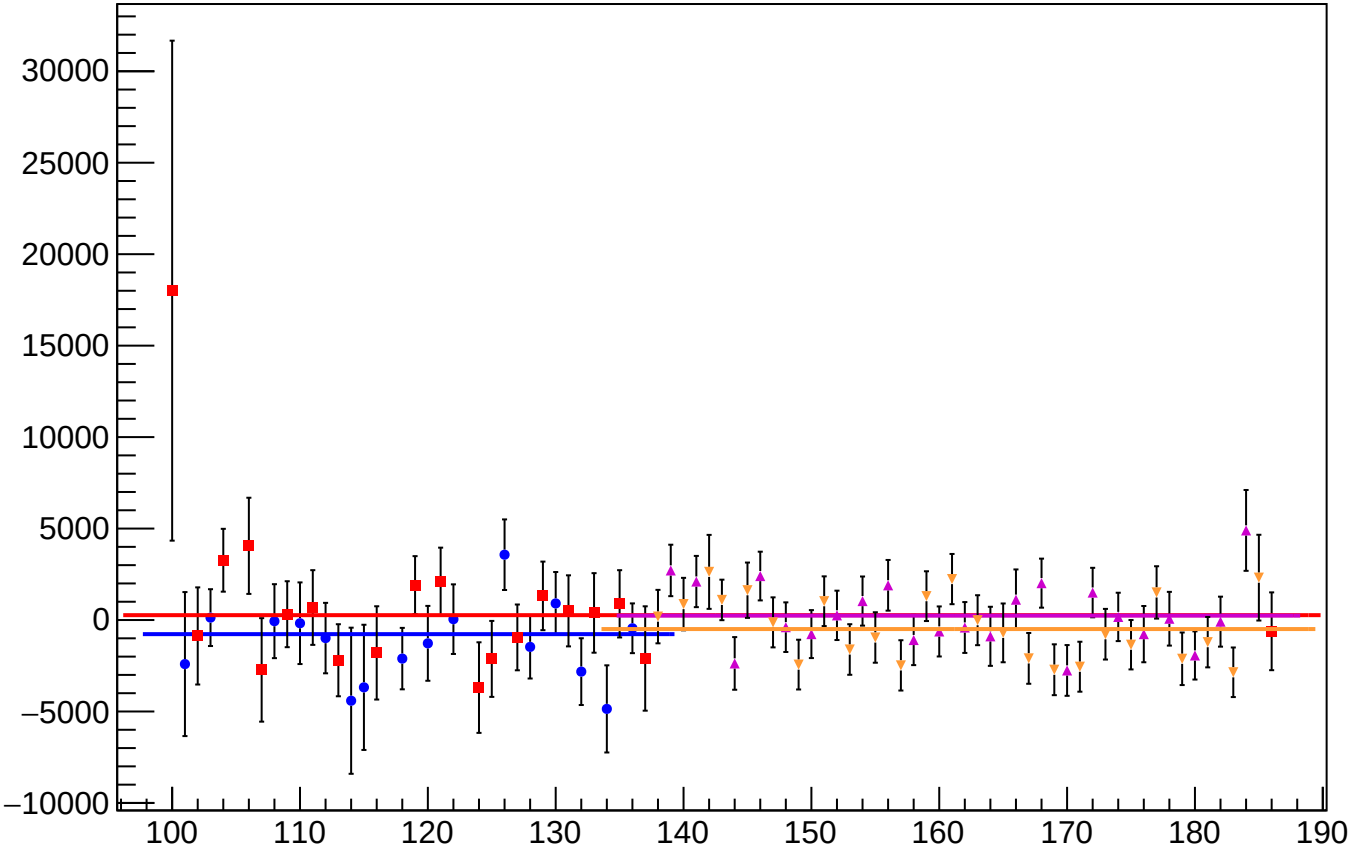
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 280.711+/-0.043 χ^2/NDF: 9574940.3/40

All: 284.454+/-0.031 χ^2/NDF: 17667397.4/83

- sign 288.392+/-0.044 χ^2/NDF: 8076844.6/42

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 266.025+/-470.674 χ^2/NDF: 18.1/19

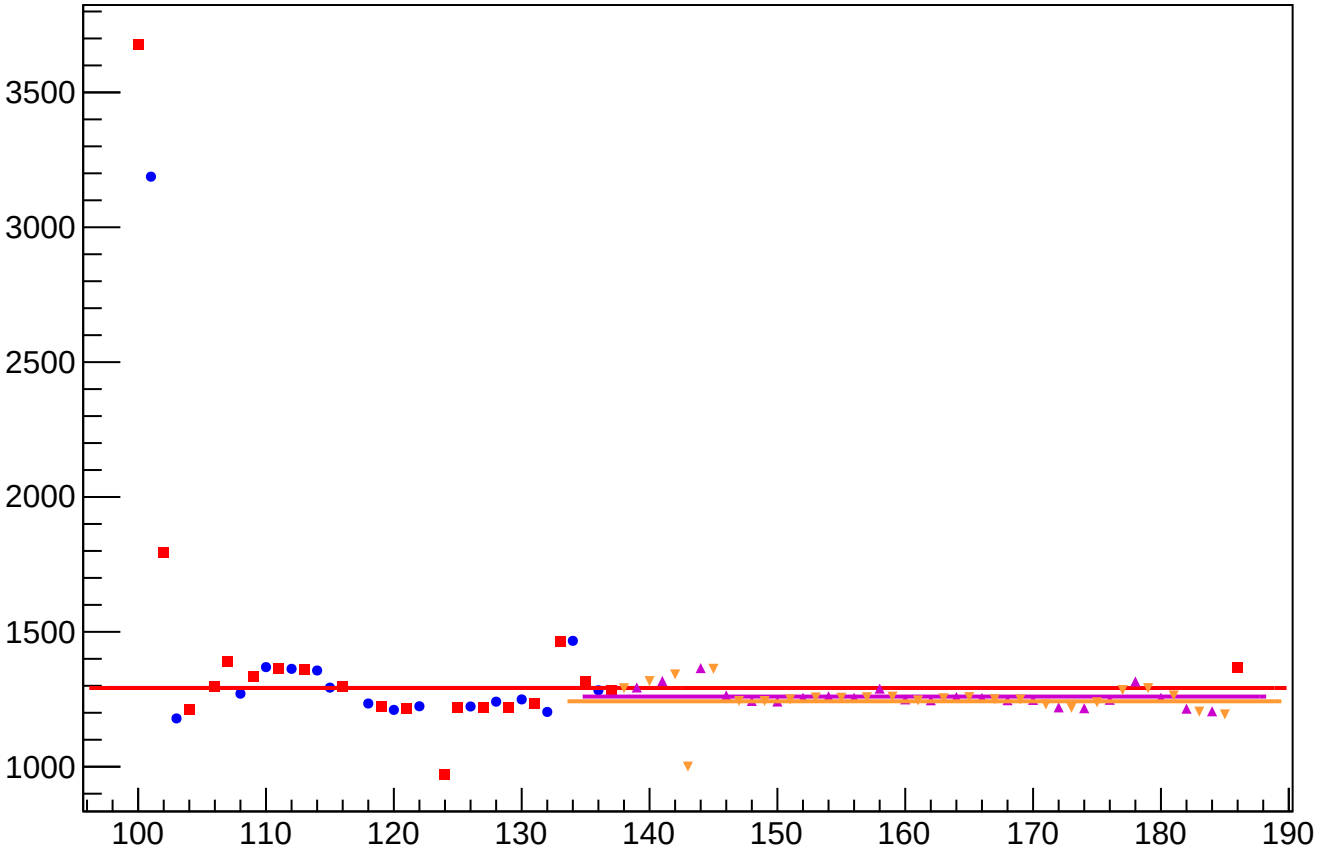
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -562.975+/-244.841 χ^2/NDF: 48.1/40

All: -164.854+/-174.773 χ^2/NDF: 102.3/83

- sign 248.757+/-249.559 χ^2/NDF: 48.8/42

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

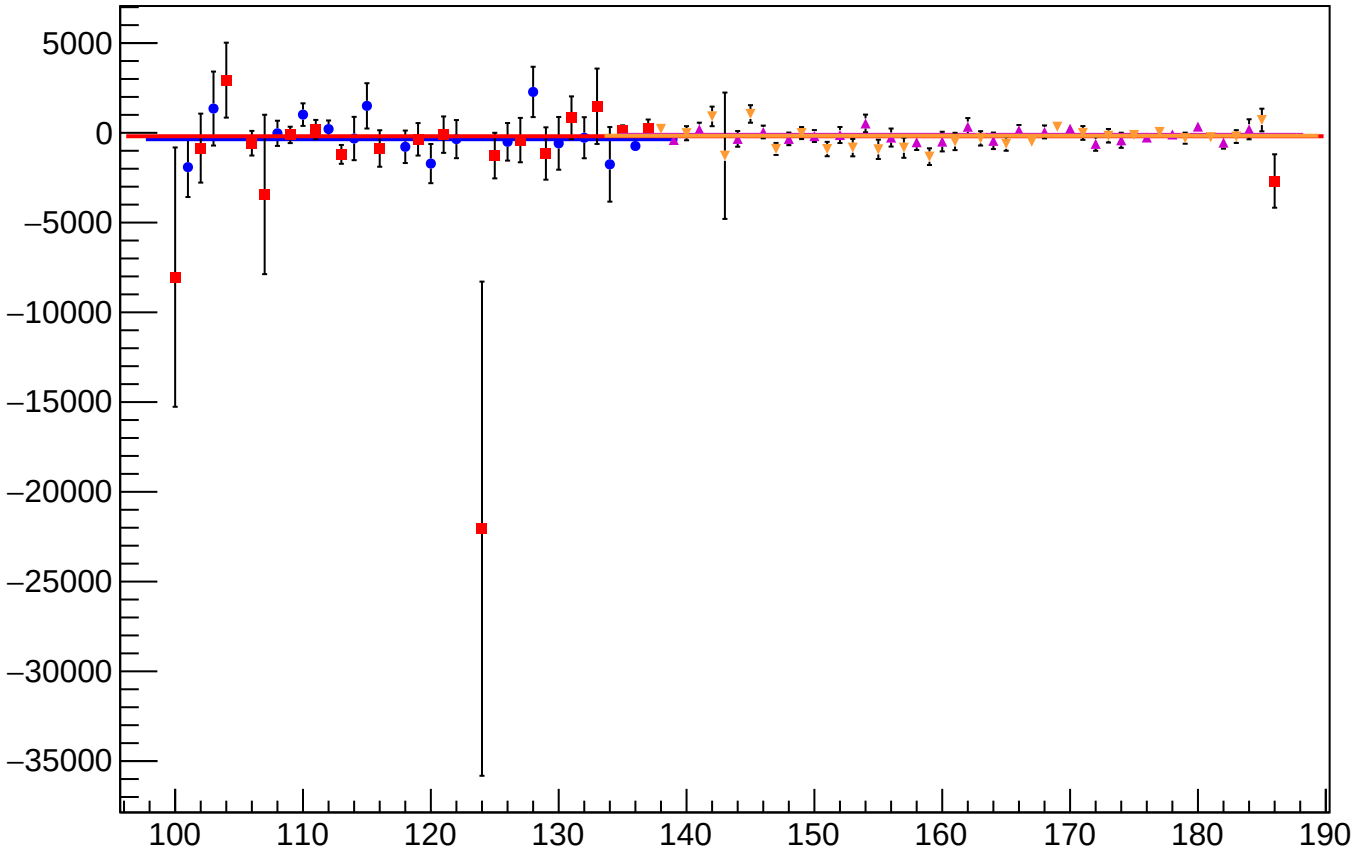
Right Out: 1291.913+/-0.333 χ^2/NDF: 211909.3/19

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

\+ sign 1254.918+/-0.173 χ^2/NDF: 654759.4/40

All: 1261.844+/-0.124 χ^2/NDF: 904434.7/83

\- sign 1269.039+/-0.176 χ^2/NDF: 246412.4/42



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

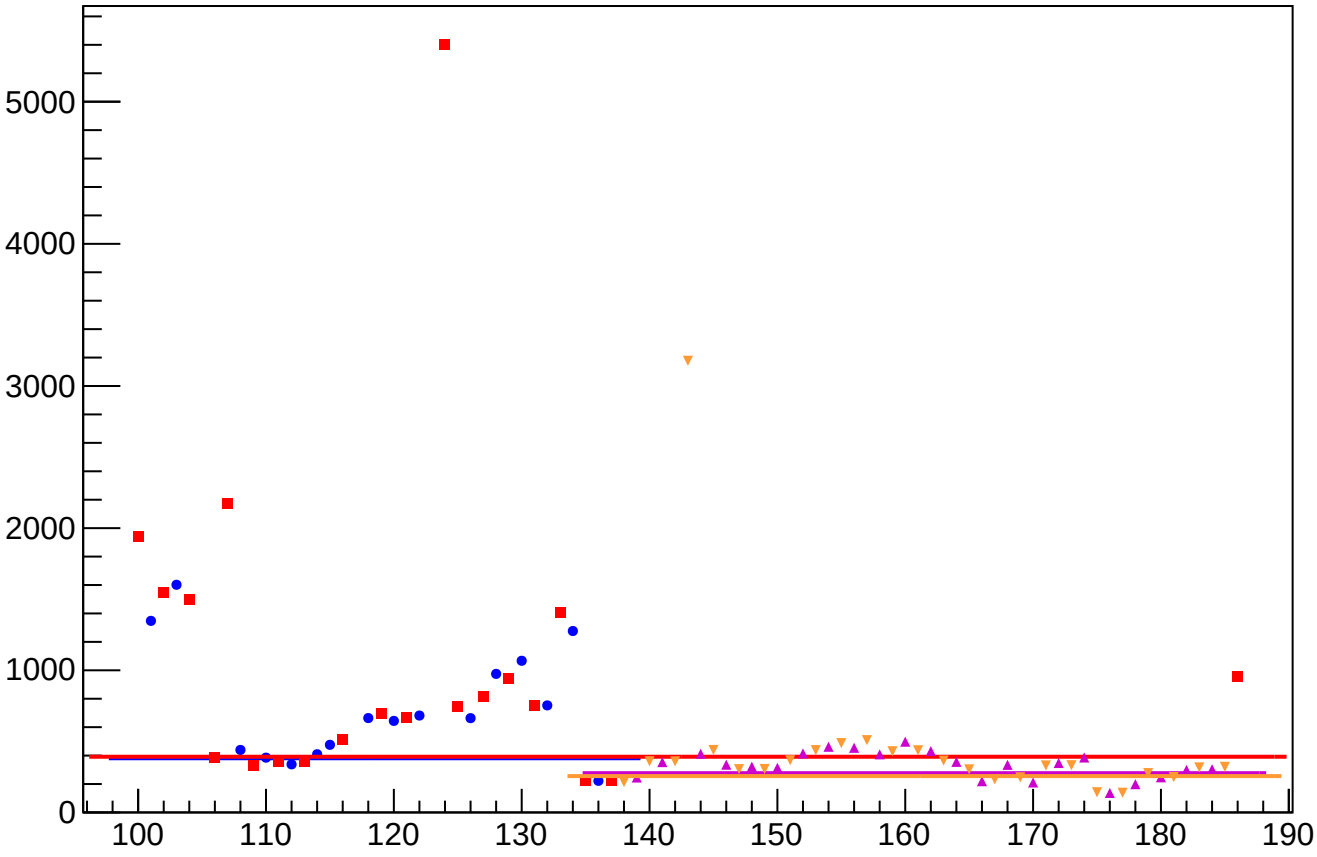
Right Out: -190.330+/-168.573 χ^2/NDF: 18.7/19

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -185.144+/-60.003 χ^2/NDF: 63.3/40

All: -156.728+/-43.687 χ^2/NDF: 100.9/83

- sign -124.671+/-63.731 χ^2/NDF: 37.1/42



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

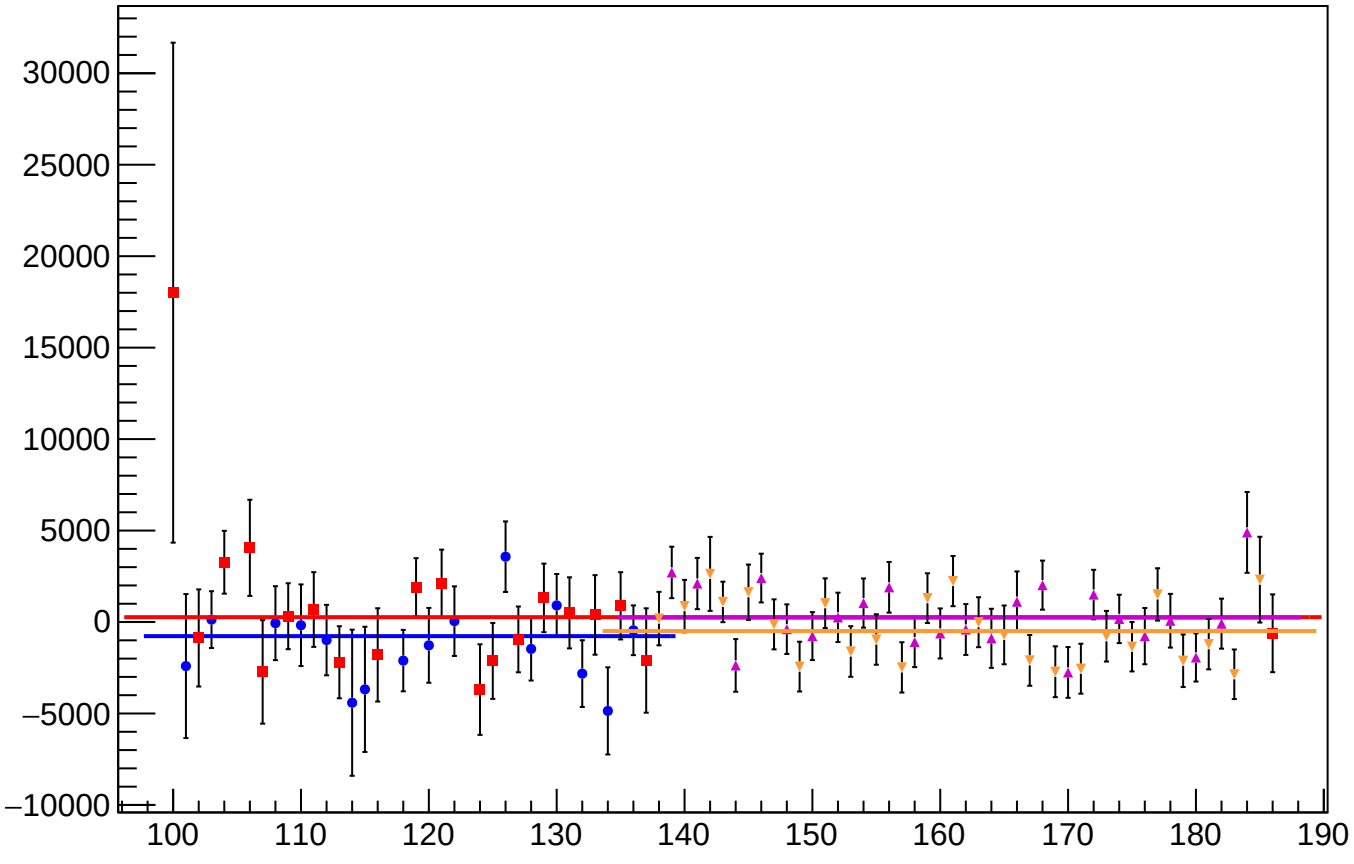
Right Out: 391.959+/-0.119 χ^2/NDF: 4849456.6/19

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 271.419+/-0.042 χ^2/NDF: 11647556.4/40

All: 281.480+/-0.031 χ^2/NDF: 21451027.9/83

- sign 292.830+/-0.045 χ^2/NDF: 9683806.2/42



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

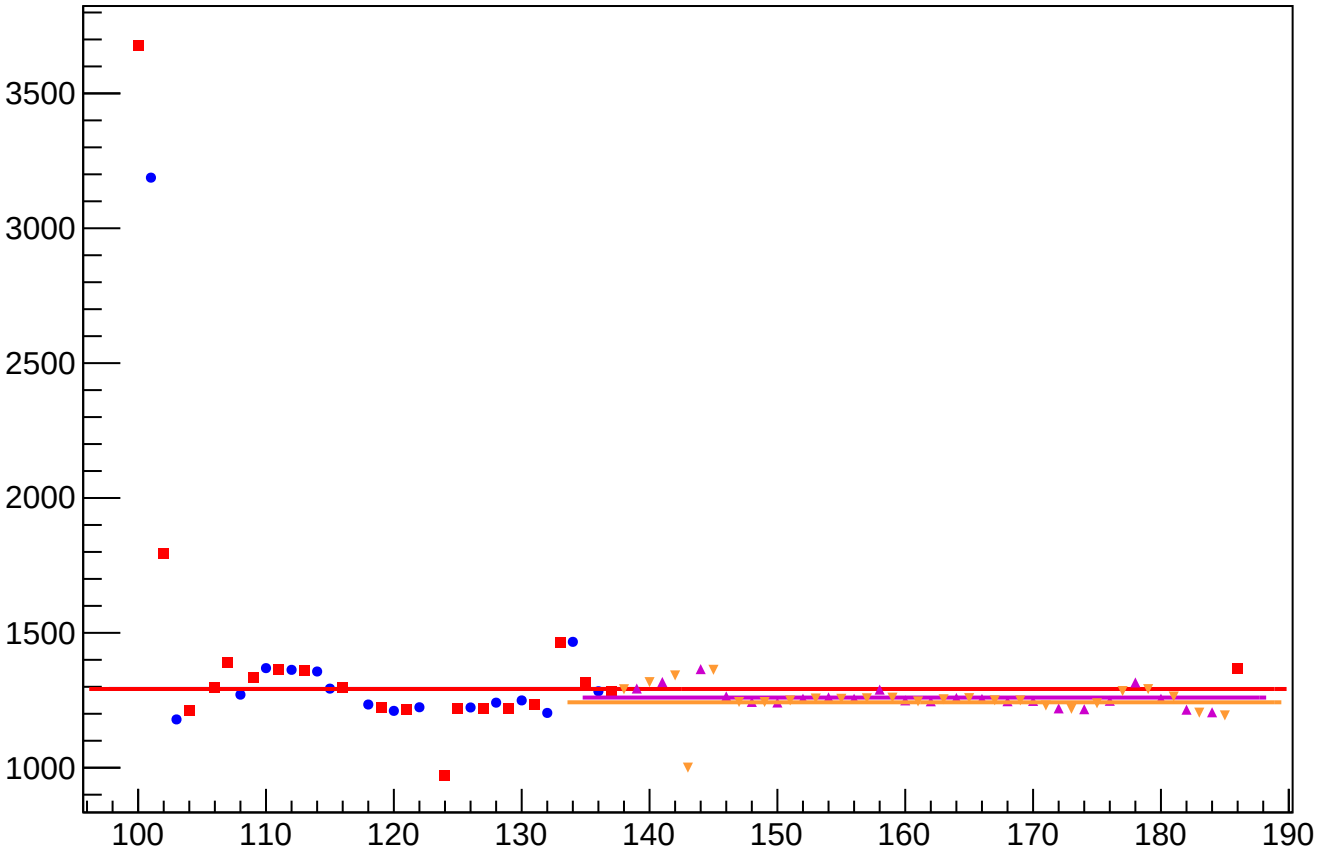
Right Out: 266.027+/-470.674 χ^2/NDF: 18.1/19

Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -562.975+/-244.841 χ^2/NDF: 48.1/40

All: -164.854+/-174.773 χ^2/NDF: 102.3/83

- sign 248.758+/-249.559 χ^2/NDF: 48.8/42



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

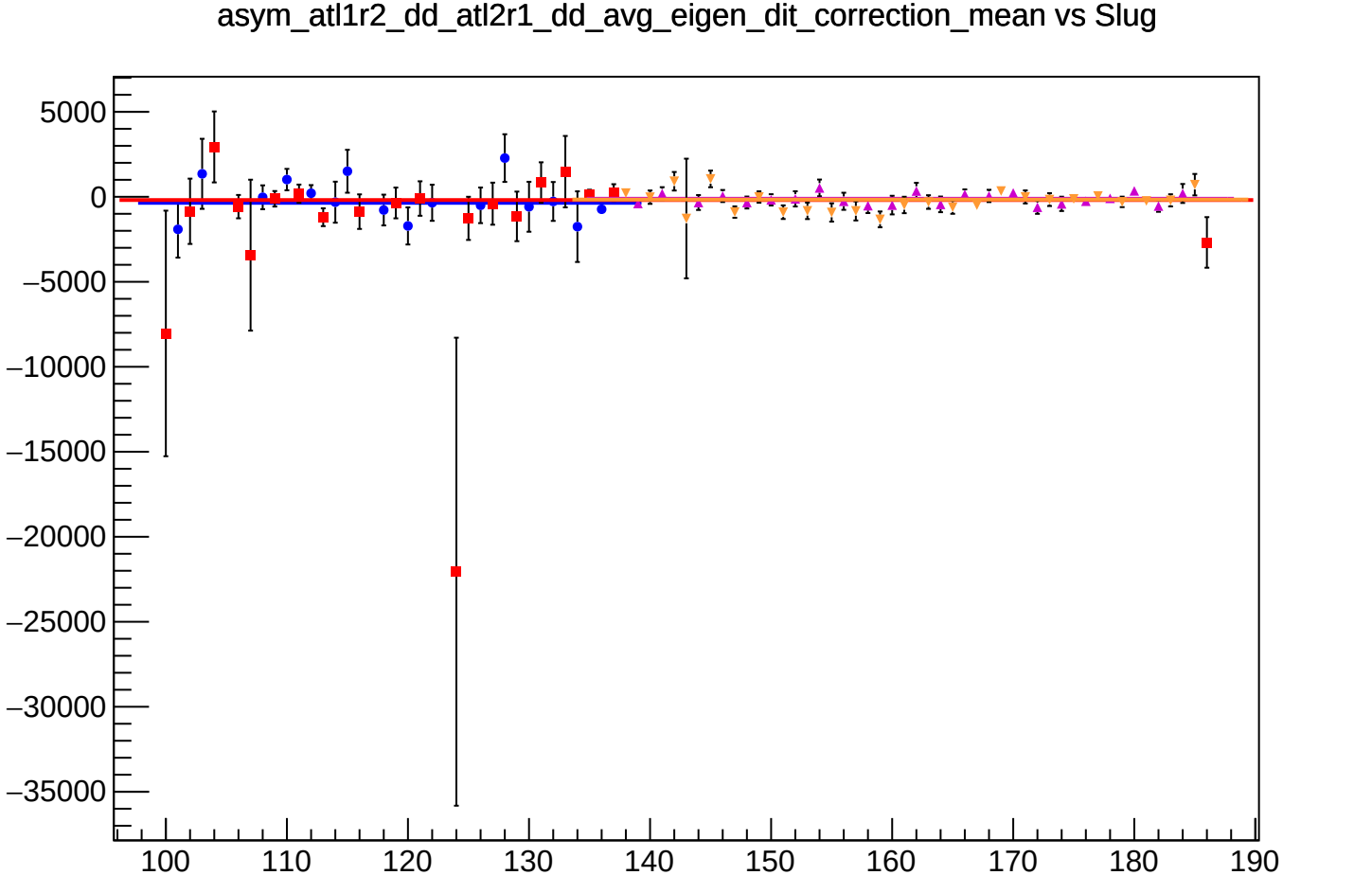
Right Out: 1291.913+/-0.333 χ^2/NDF: 211909.6/19

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

\+ sign 1254.918+/-0.173 χ^2/NDF: 654758.5/40

All: 1261.844+/-0.124 χ^2/NDF: 904434.2/83

\- sign 1269.039+/-0.176 χ^2/NDF: 246412.8/42



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

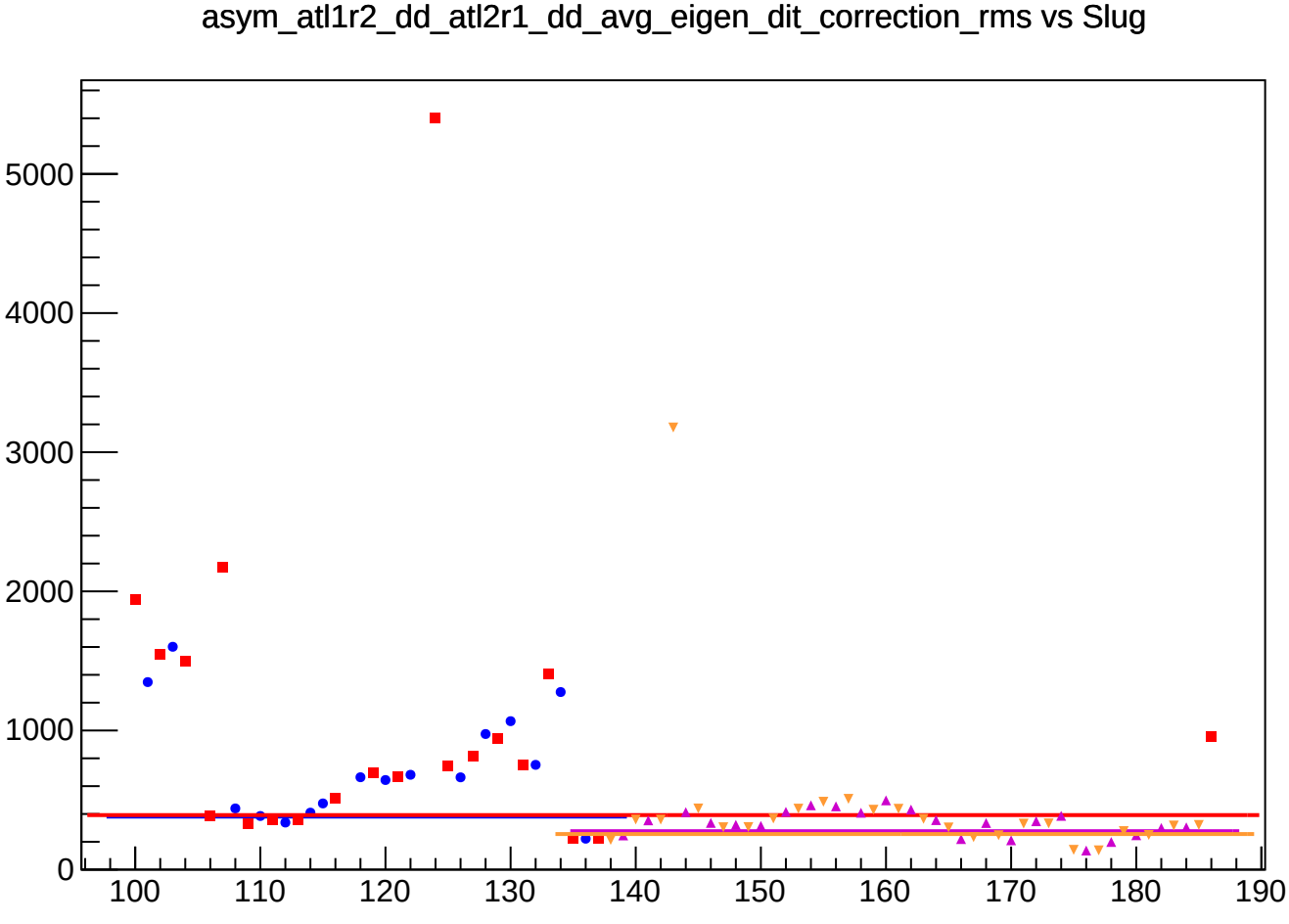
Right Out: -190.337+/-168.575 χ^2/NDF: 18.7/19

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -185.146+/-60.004 χ^2/NDF: 63.3/40

All: -156.729+/-43.687 χ^2/NDF: 100.9/83

- sign -124.671+/-63.731 χ^2/NDF: 37.1/42



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 391.967+/-0.119 χ^2/NDF: 4849305.3/19

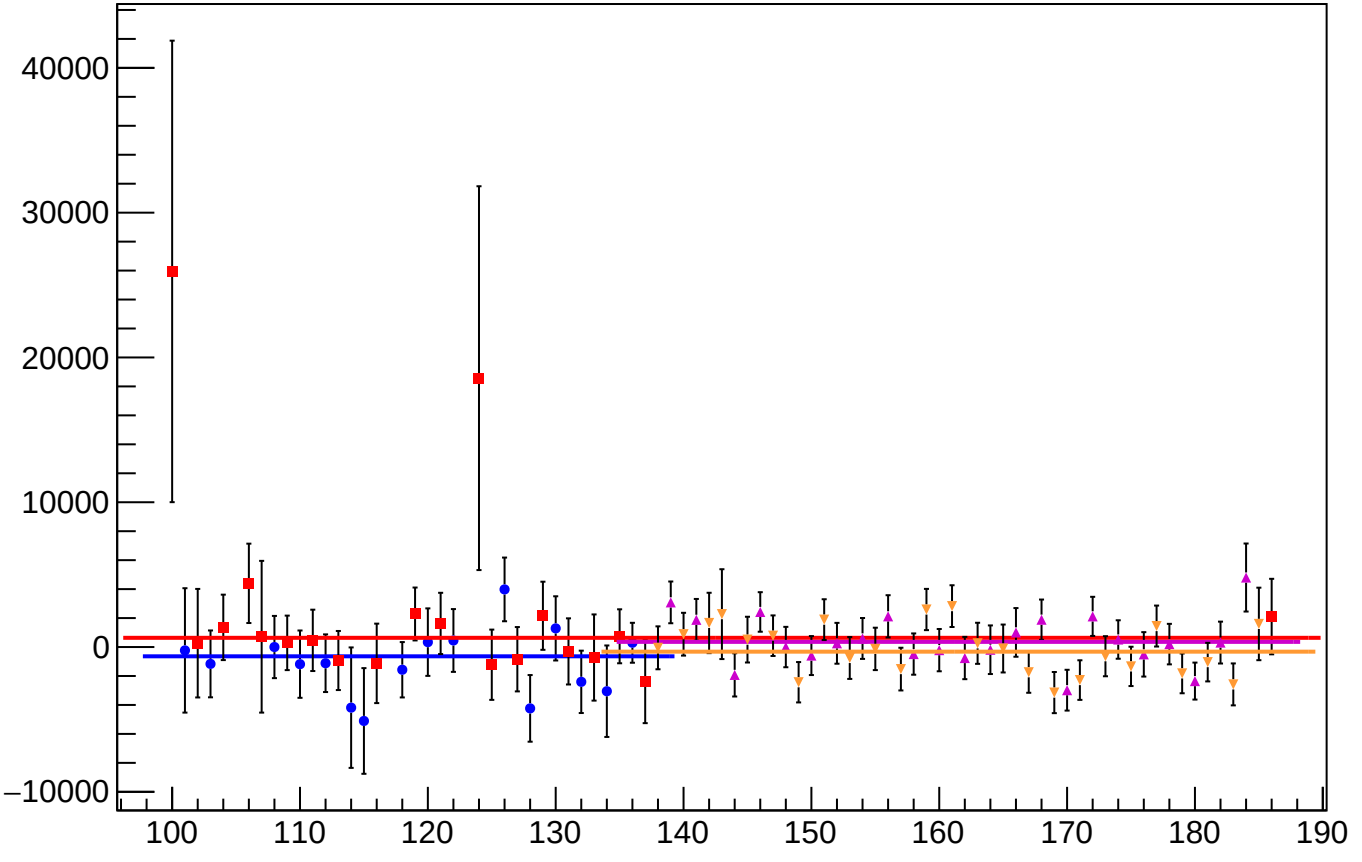
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 271.421+/-0.042 χ^2/NDF: 11647375.2/40

All: 281.482+/-0.031 χ^2/NDF: 21450731.7/83

- sign 292.831+/-0.045 χ^2/NDF: 9683701.2/42

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 636.546+/-553.846 χ^2/NDF: 11.7/19

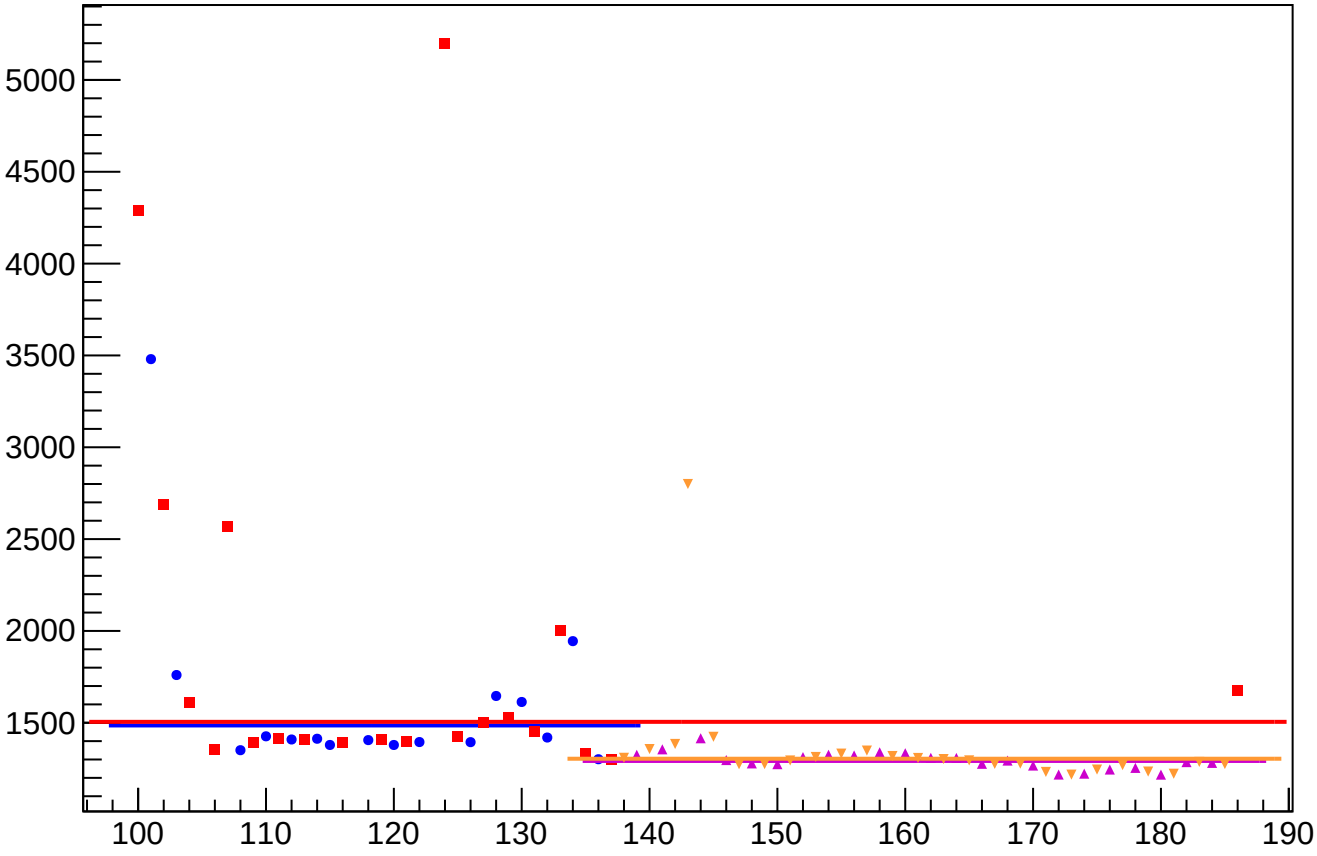
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -389.846+/-263.707 χ^2/NDF: 44.3/40

All: 13.257+/-186.952 χ^2/NDF: 90.5/83

- sign 420.563+/-265.078 χ^2/NDF: 41.5/42

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

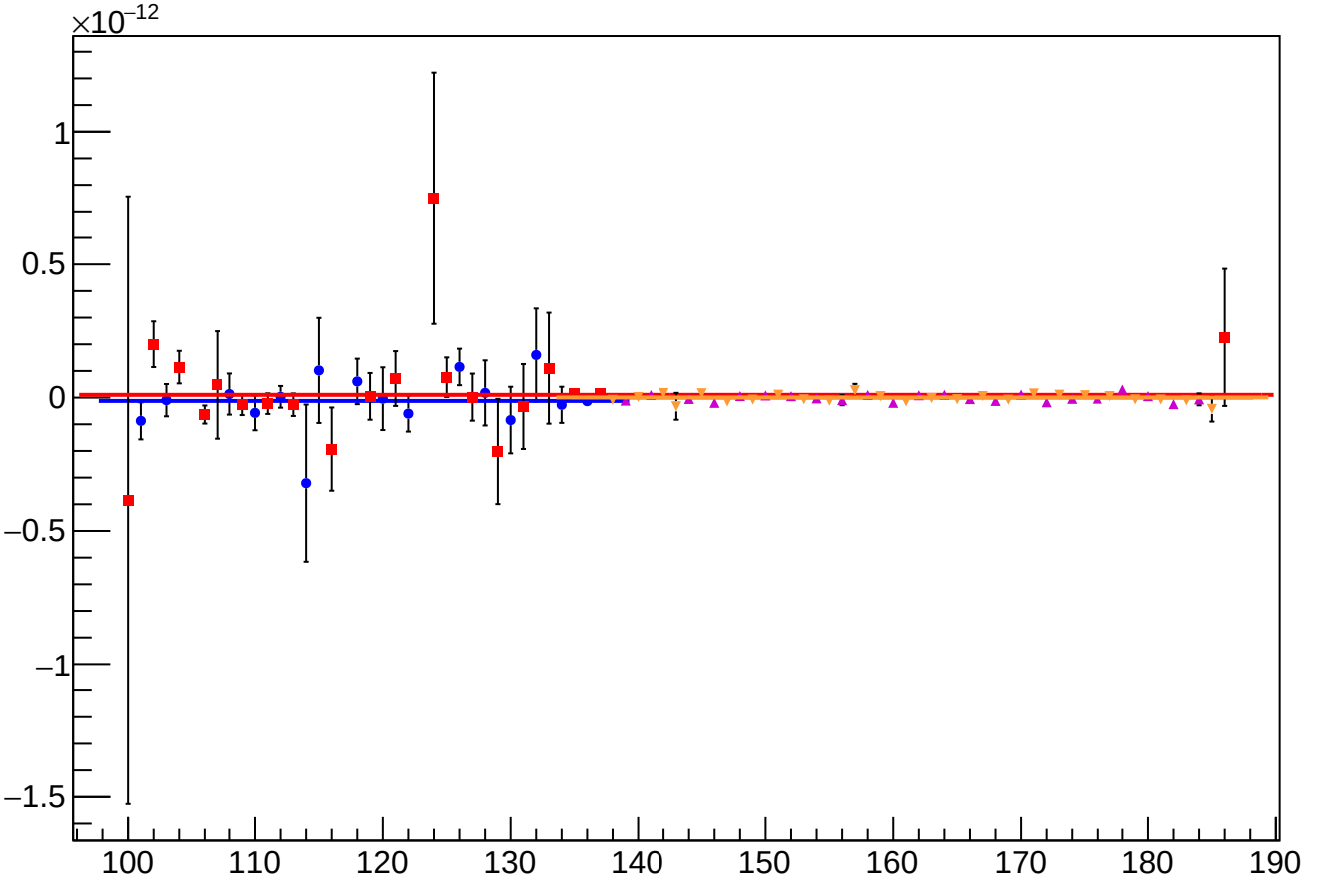
Right Out: 1504.994+/-0.392 χ^2/NDF: 632414.9/19

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1343.721+/-0.186 χ^2/NDF: 1265260.4/40

All: 1342.311+/-0.132 χ^2/NDF: 2173907.1/83

- sign 1340.886+/-0.187 χ^2/NDF: 908531.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

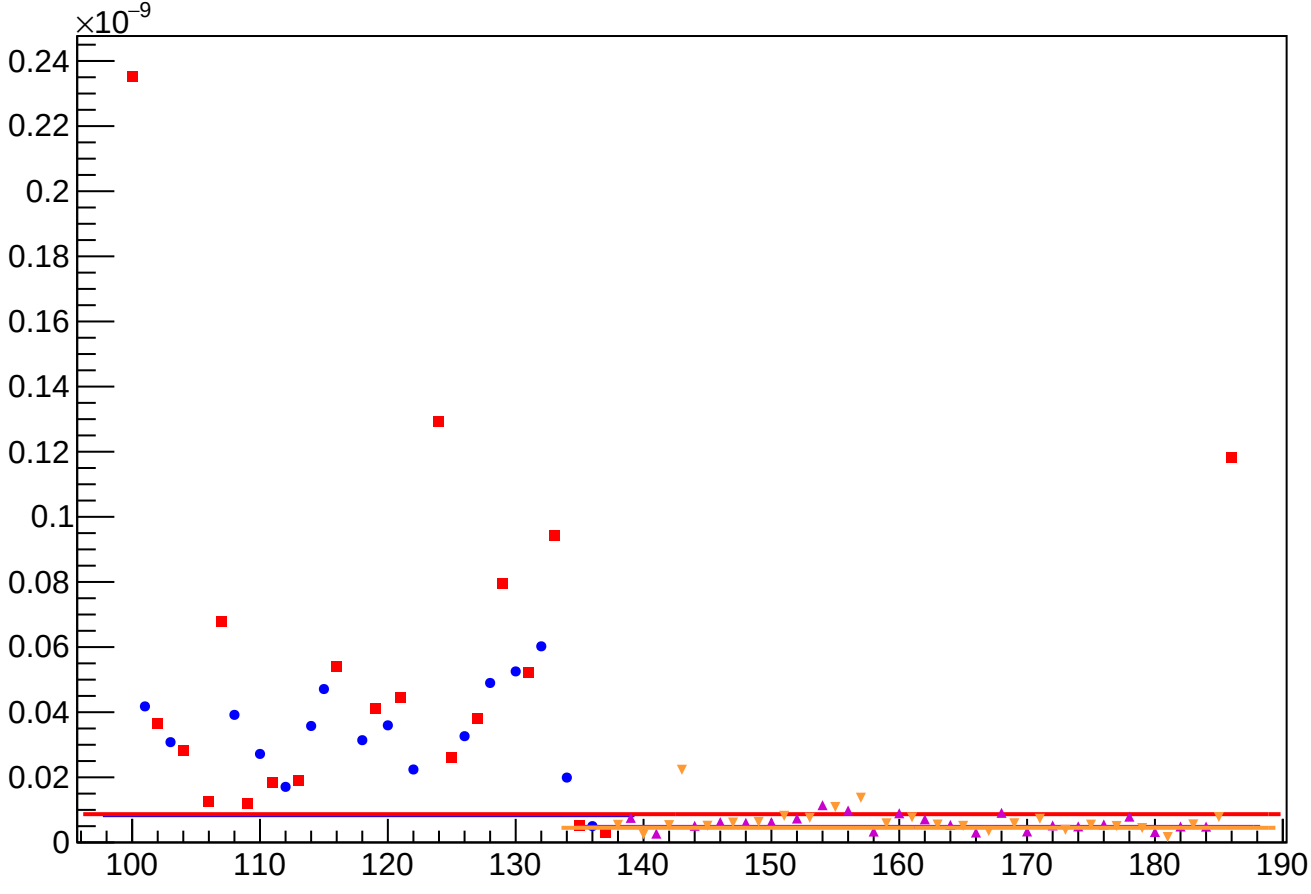
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/19

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.7/40

All: 0.000+/-0.000 χ^2/NDF: 90.9/83

- sign 0.000+/-0.000 χ^2/NDF: 53.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

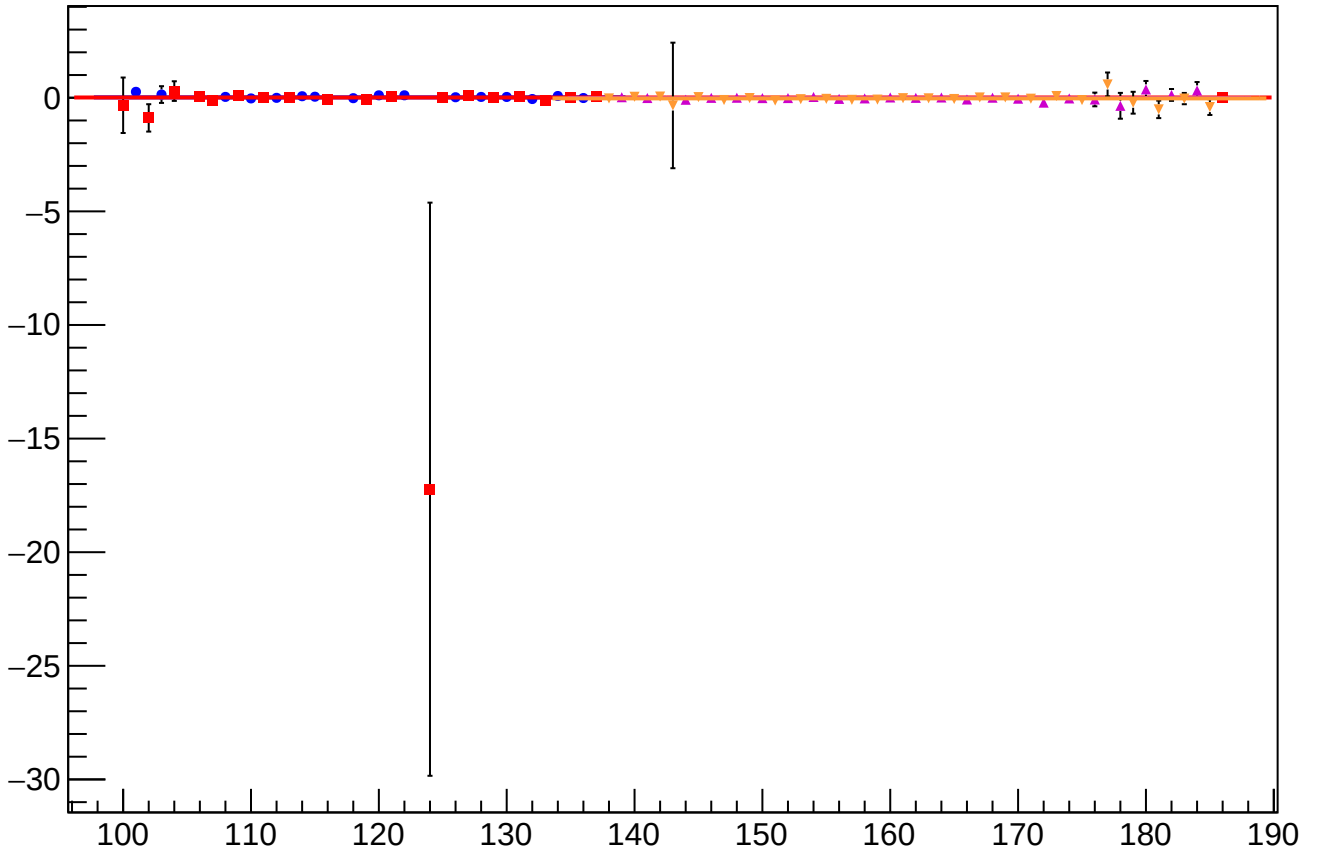
Right Out: 0.000+/-0.000 χ^2/NDF: 3711165.2/19

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6287332.5/40

All: 0.000+/-0.000 χ^2/NDF: 12351883.7/83

- sign 0.000+/-0.000 χ^2/NDF: 6042763.7/42



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

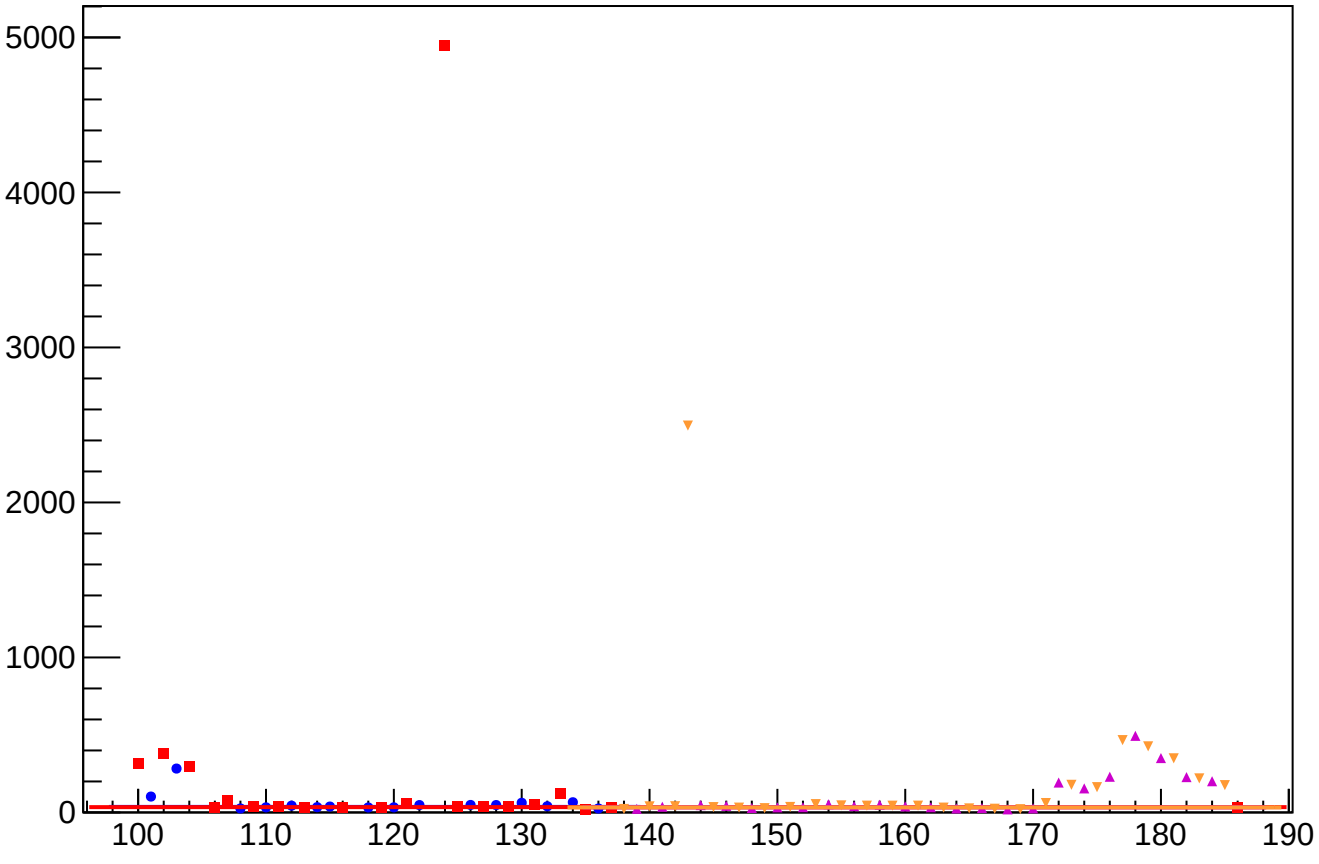
Right Out: 0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.6/40

All: -0.010+/-0.006 χ^2/NDF: 77.6/83

- sign -0.004+/-0.008 χ^2/NDF: 31.0/42



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

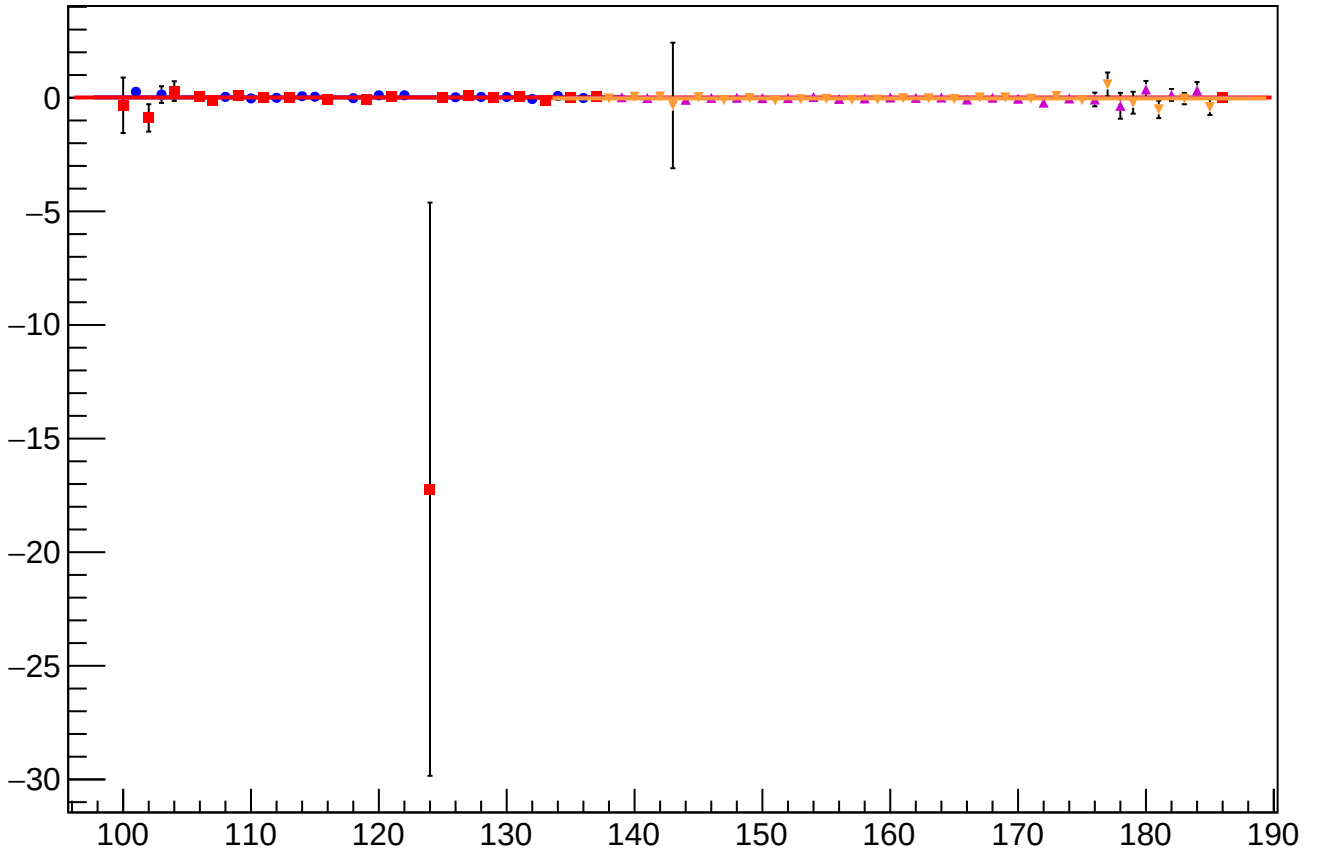
Right Out: 34.324+/-0.011 χ^2/NDF: 2937452.2/19

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.429+/-0.006 χ^2/NDF: 13198399.9/40

All: 33.310+/-0.004 χ^2/NDF: 25115913.6/83

- sign 33.193+/-0.006 χ^2/NDF: 11916653.7/42



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

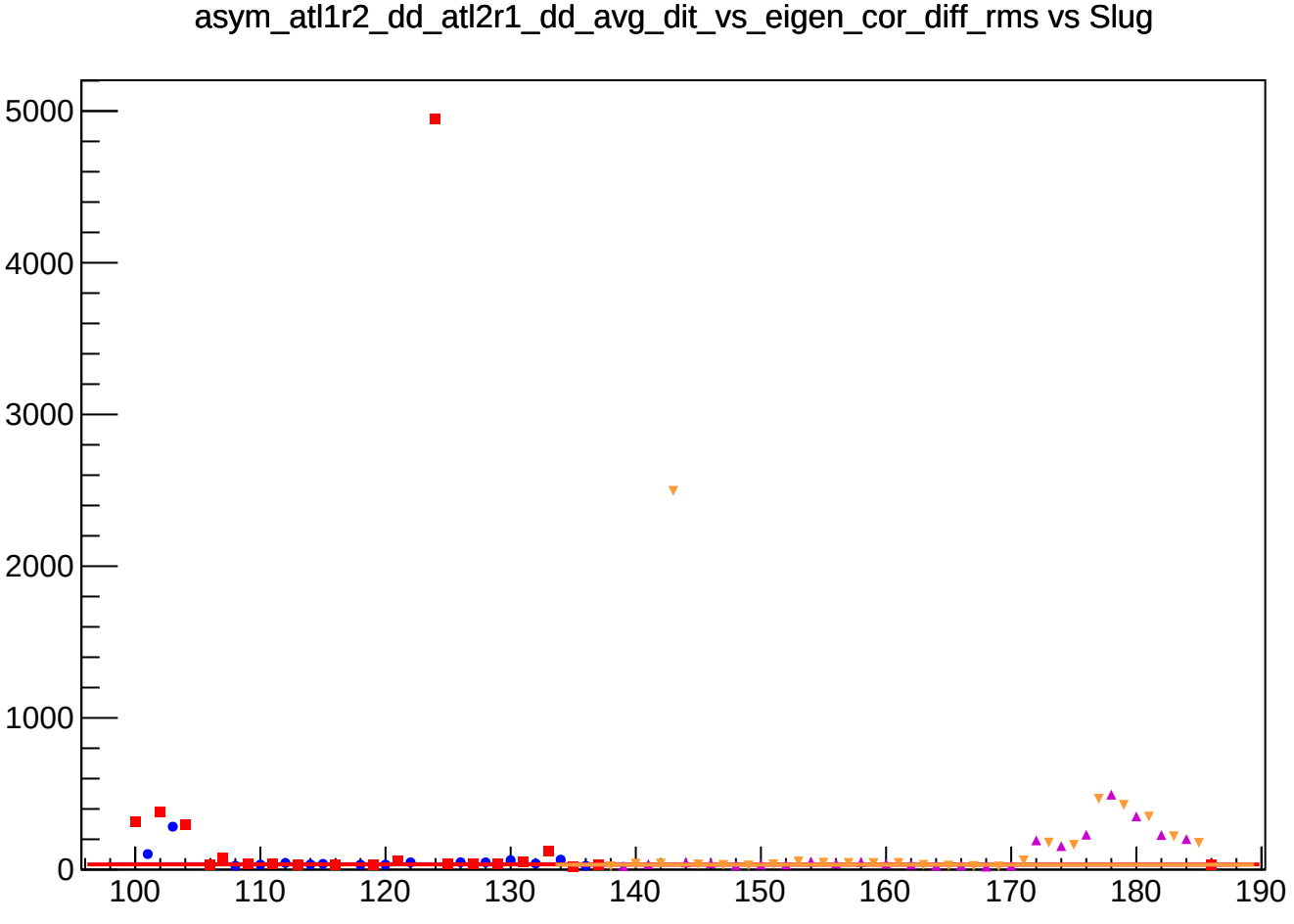
Right Out: 0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.6/40

All: -0.010+/-0.006 χ^2/NDF: 77.6/83

- sign -0.004+/-0.008 χ^2/NDF: 31.0/42



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

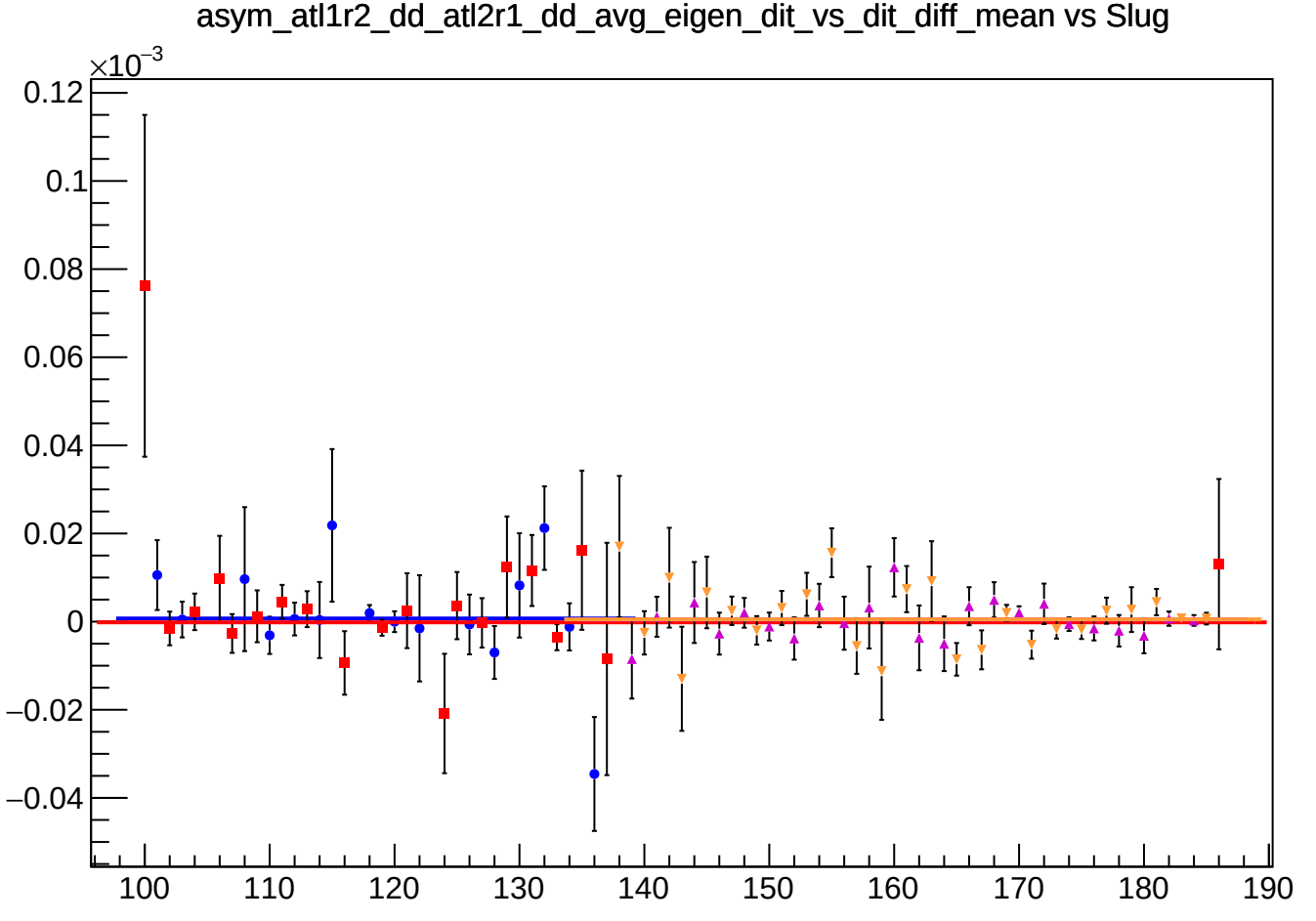
Right Out: 34.324+/-0.011 χ^2/NDF: 2937452.2/19

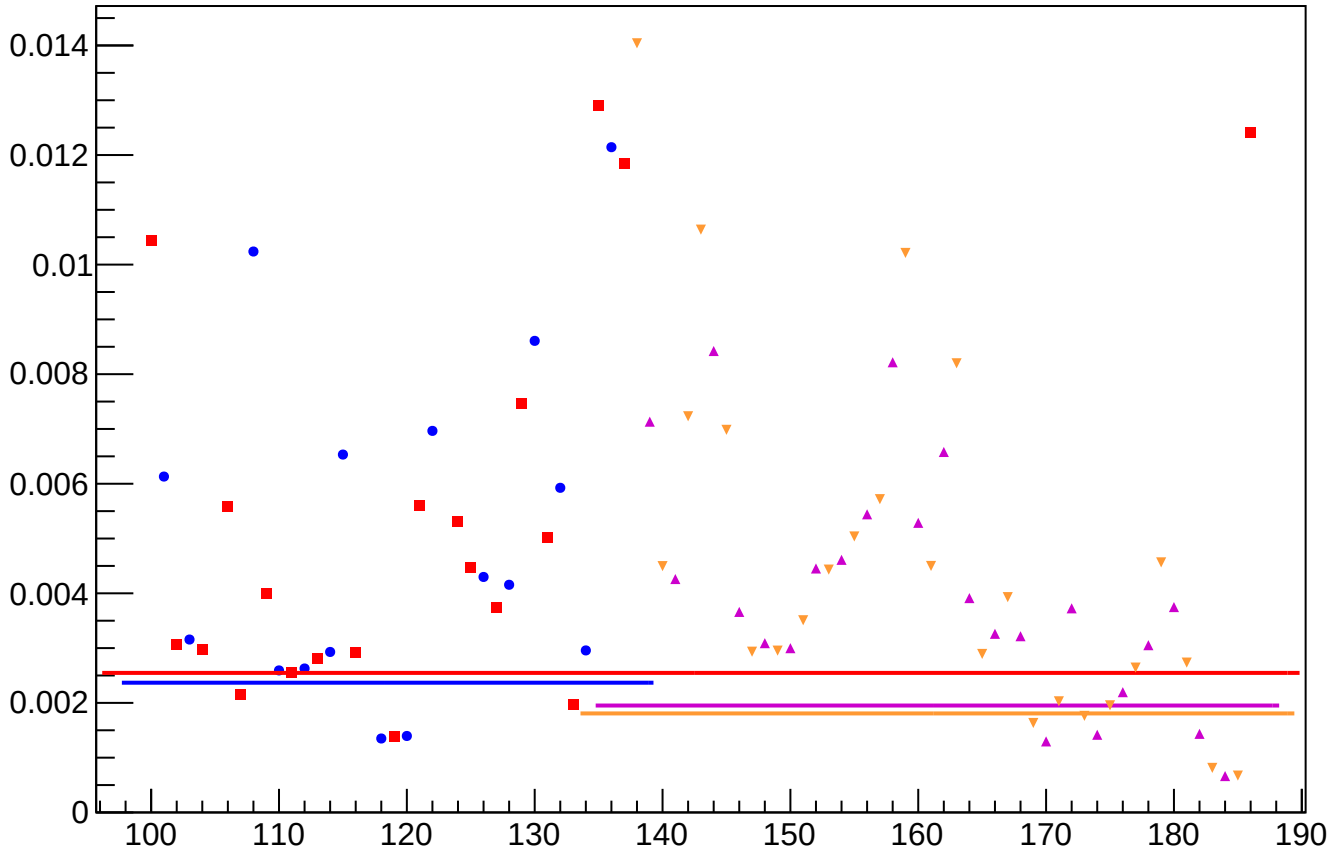
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.429+/-0.006 χ^2/NDF: 13198399.9/40

All: 33.310+/-0.004 χ^2/NDF: 25115913.6/83

- sign 33.193+/-0.006 χ^2/NDF: 11916653.7/42


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 19.1/15
Left Out: 0.000+/-0.000 χ²/NDF:35.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 18.6/19
Left In: 0.000+/-0.000 χ²/NDF:13.7/22
+ sign 0.000+/-0.000 χ²/NDF: 54.8/40
All: 0.000+/-0.000 χ²/NDF: 87.4/83
- sign 0.000+/-0.000 χ²/NDF: 32.5/42



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

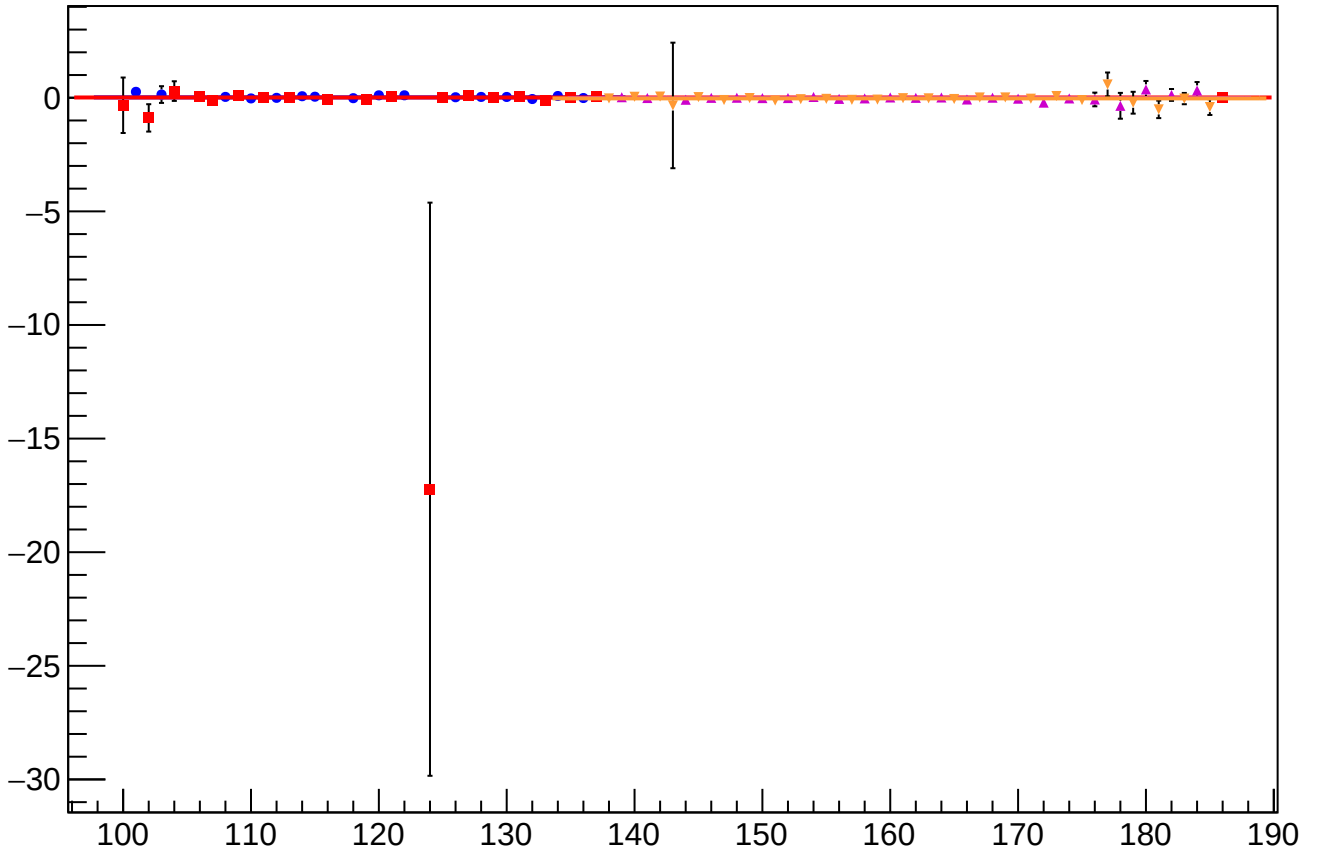
Right Out: 0.003+/-0.000 χ^2/NDF: 3919937.4/19

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 20075918.7/40

All: 0.002+/-0.000 χ^2/NDF: 36074995.4/83

- sign 0.002+/-0.000 χ^2/NDF: 15879358.1/42



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

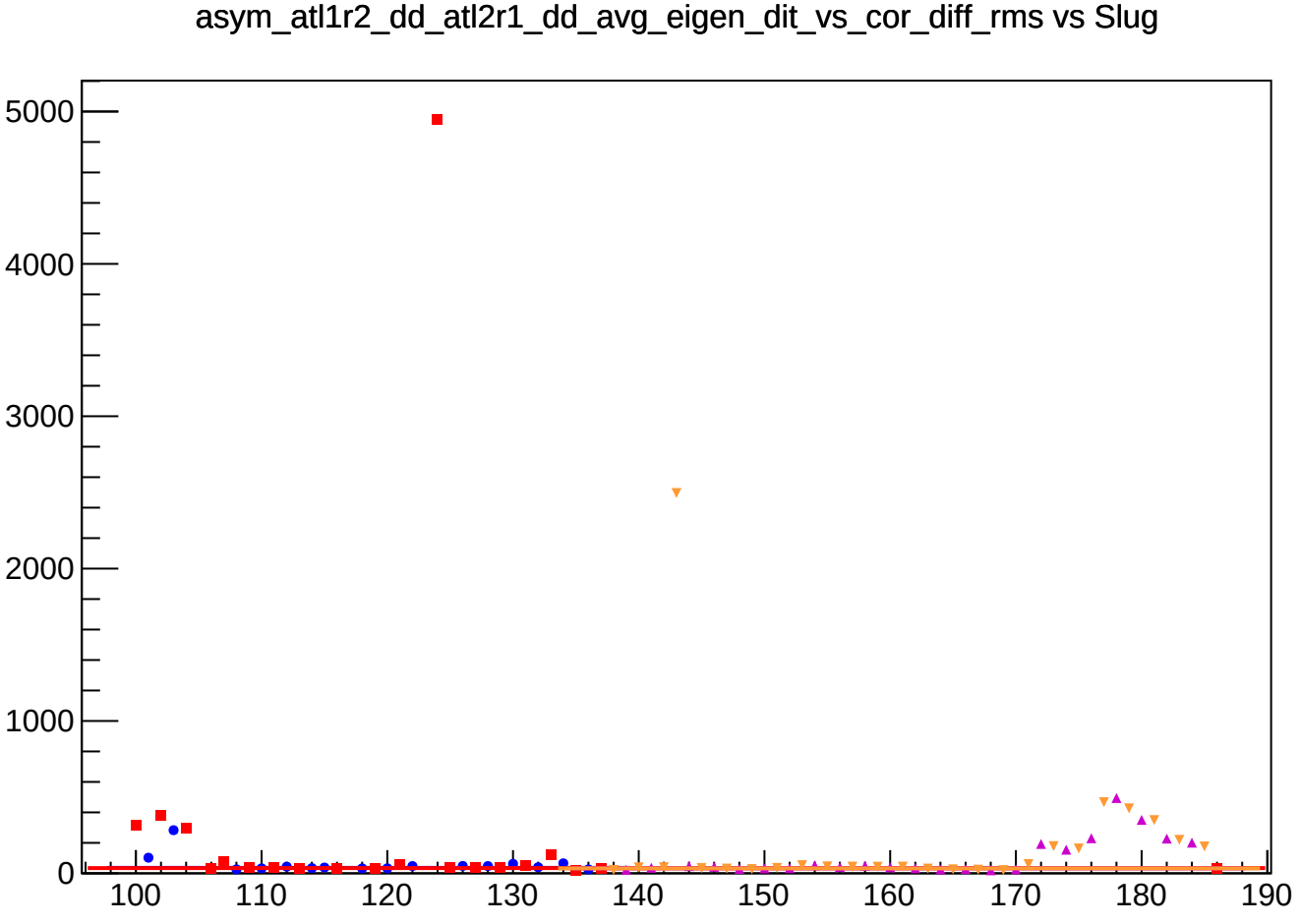
Right Out: 0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.6/40

All: -0.010+/-0.006 χ^2/NDF: 77.7/83

- sign -0.004+/-0.008 χ^2/NDF: 31.0/42



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

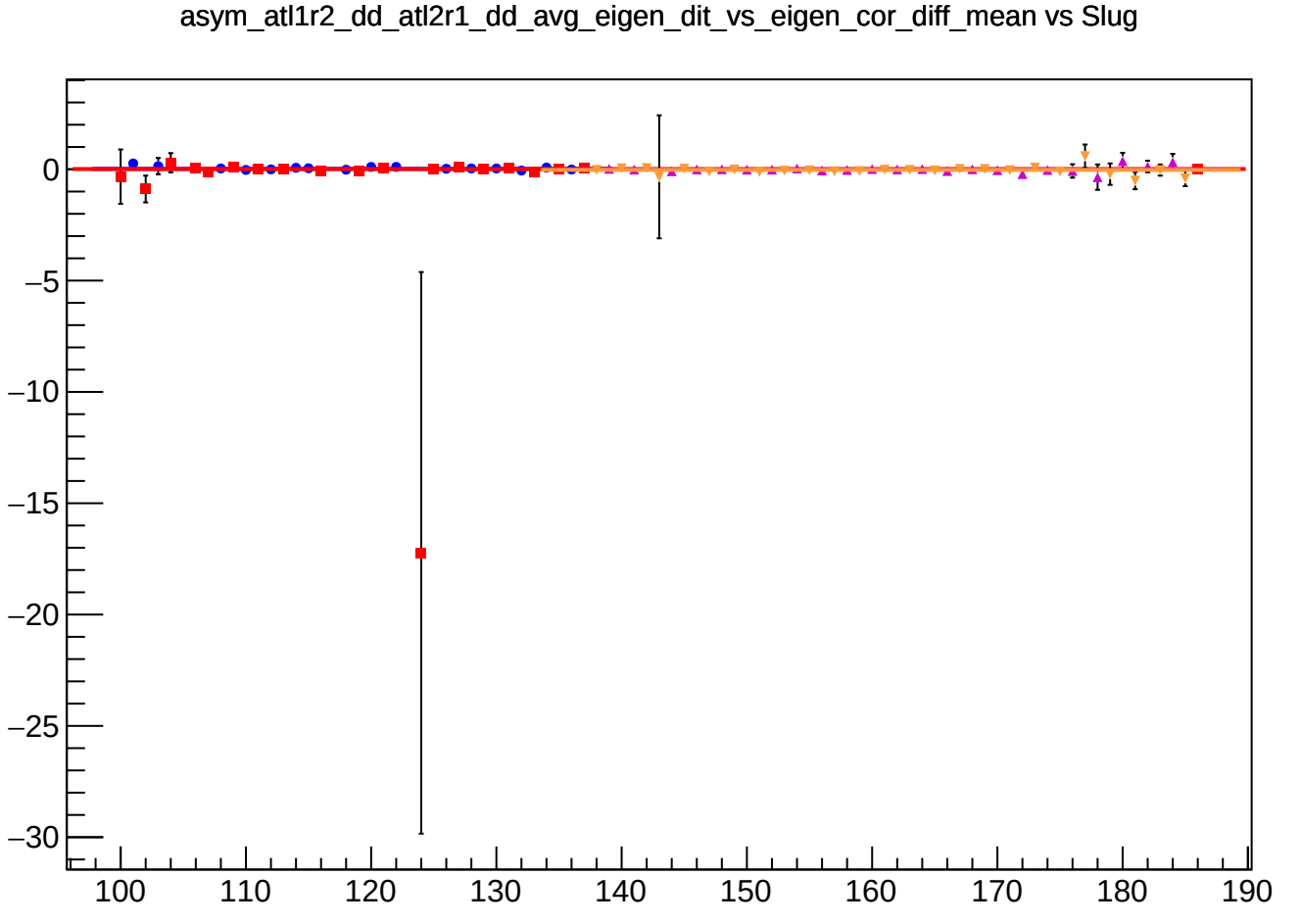
Right Out: 34.325+/-0.011 χ^2/NDF: 2937292.7/19

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.429+/-0.006 χ^2/NDF: 13198445.6/40

All: 33.309+/-0.004 χ^2/NDF: 25116481.7/83

- sign 33.192+/-0.006 χ^2/NDF: 11917169.0/42



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

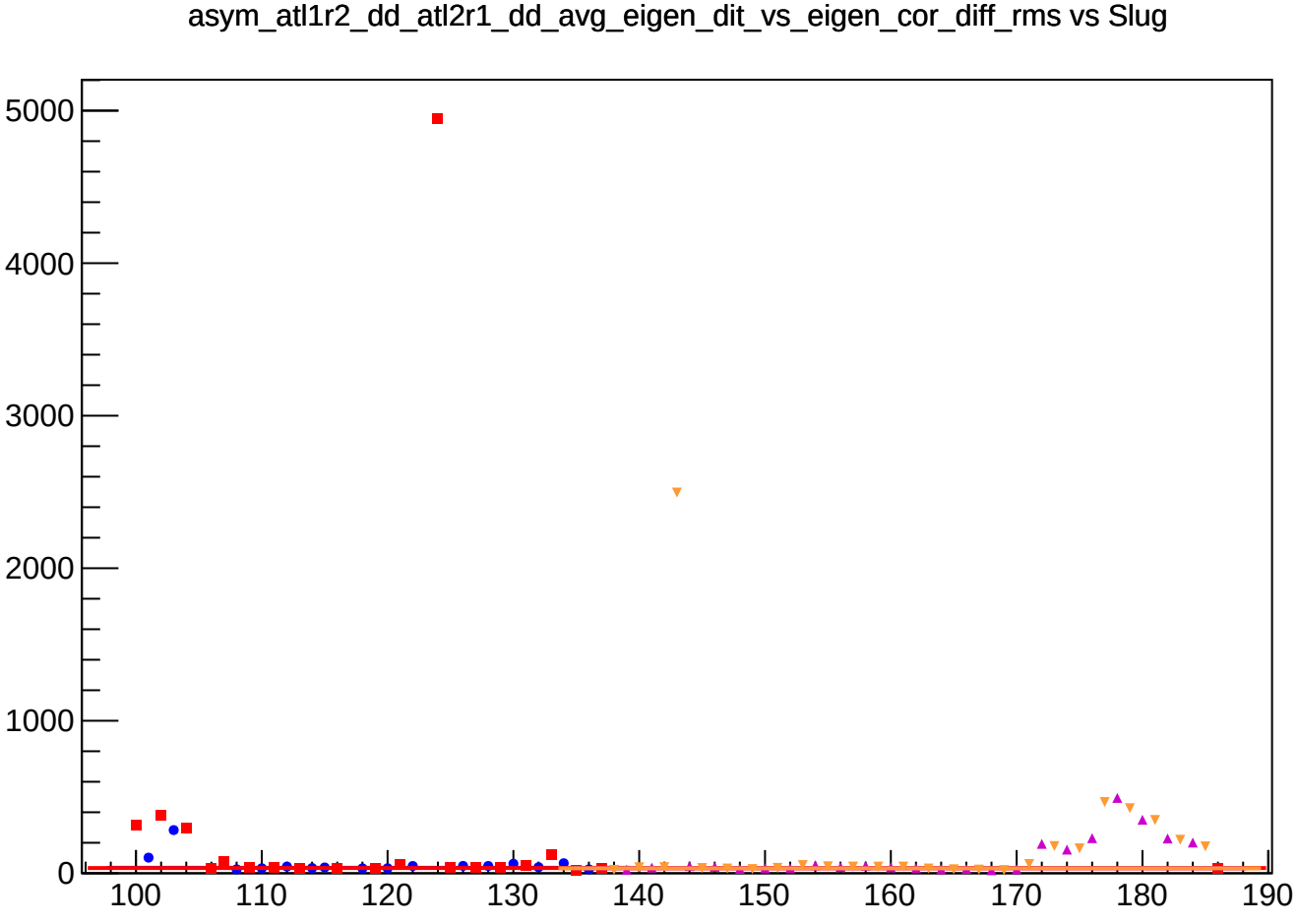
Right Out: 0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.6/40

All: -0.010+/-0.006 χ^2/NDF: 77.7/83

- sign -0.004+/-0.008 χ^2/NDF: 31.0/42



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

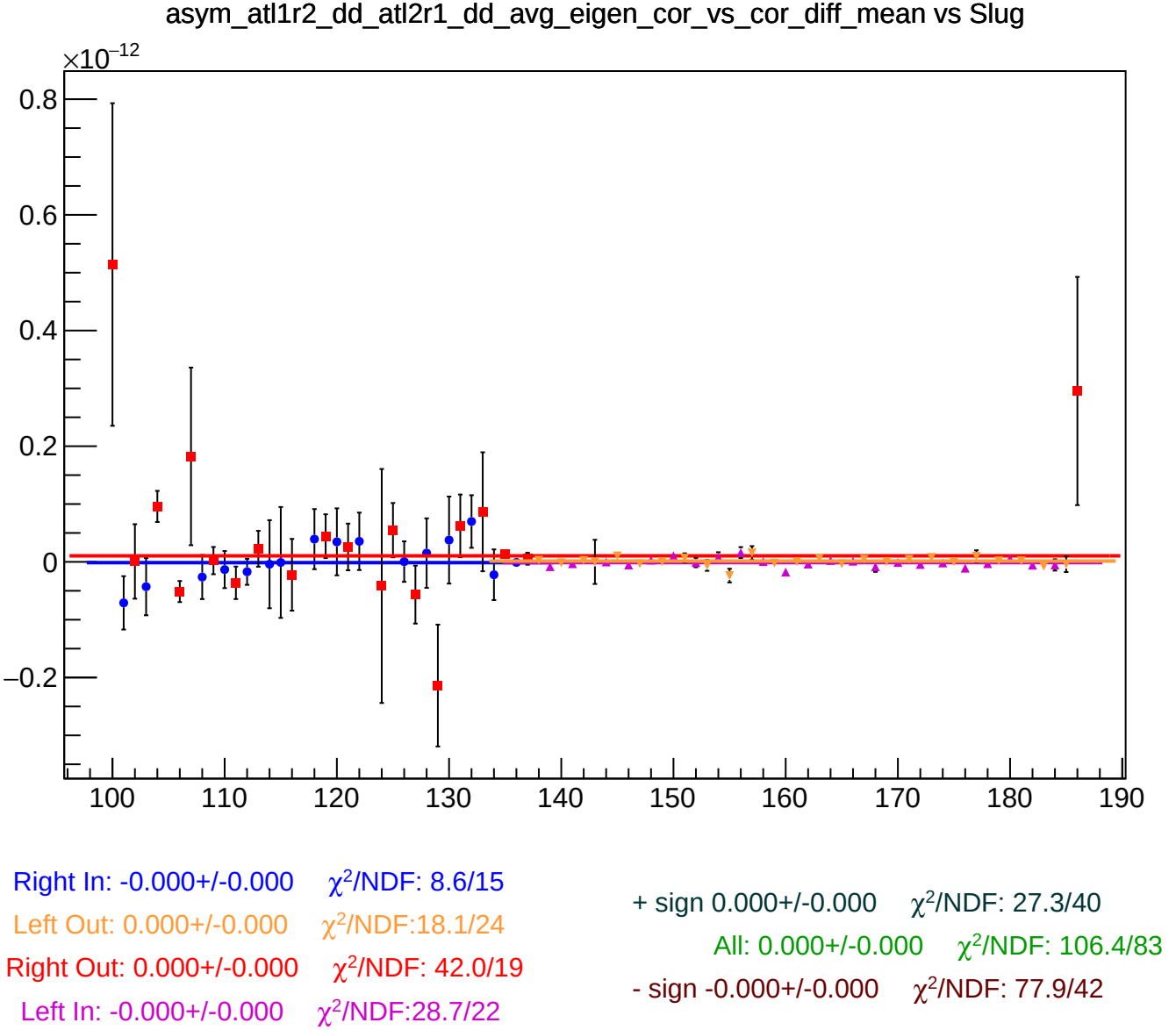
Right Out: 34.325+/-0.011 χ^2/NDF: 2937292.7/19

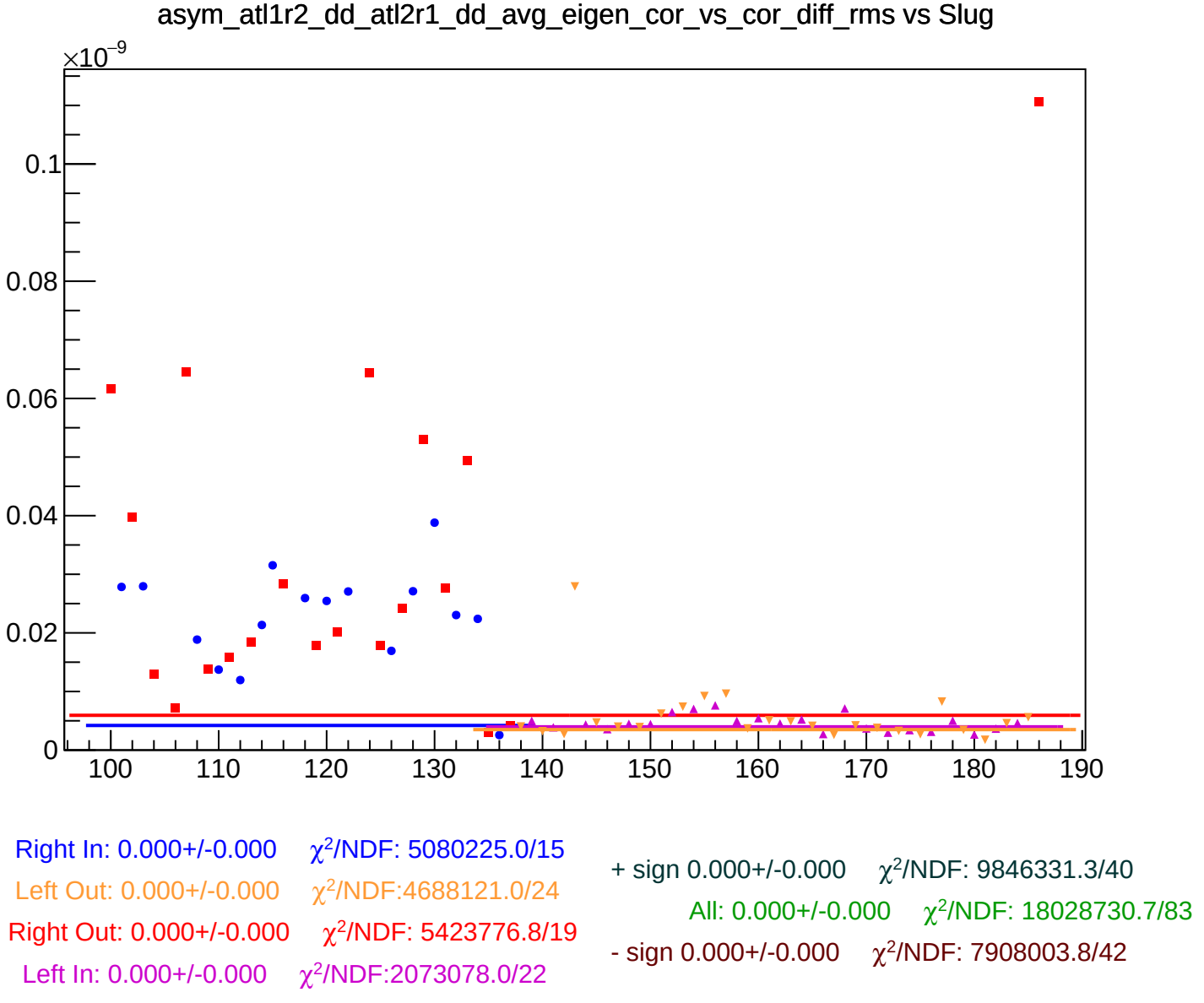
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.429+/-0.006 χ^2/NDF: 13198445.6/40

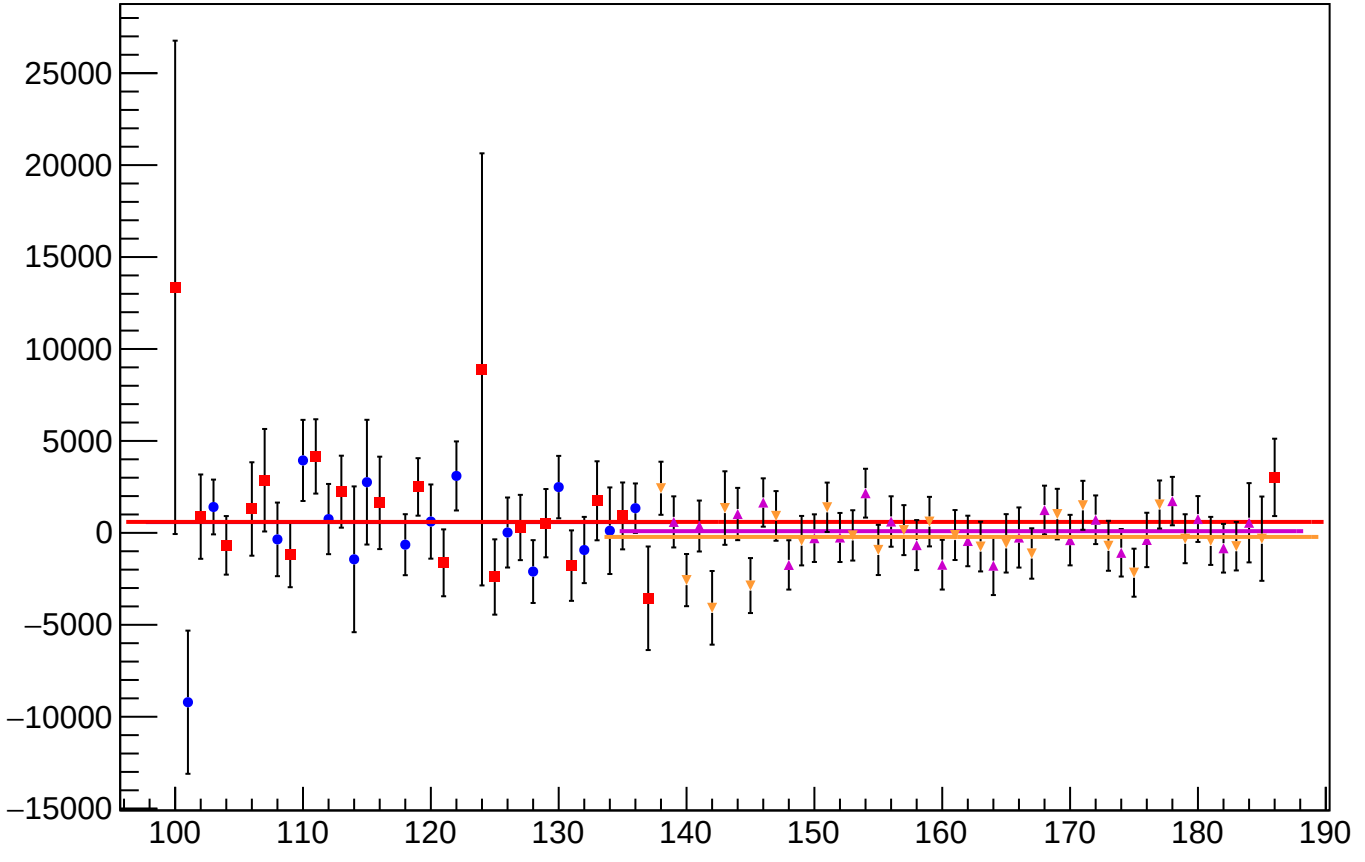
All: 33.309+/-0.004 χ^2/NDF: 25116481.7/83

- sign 33.192+/-0.006 χ^2/NDF: 11917169.0/42


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:18.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 42.0/19
Left In: -0.000+/-0.000 χ²/NDF:28.7/22
+ sign 0.000+/-0.000 χ²/NDF: 27.3/40
All: 0.000+/-0.000 χ²/NDF: 106.4/83
- sign -0.000+/-0.000 χ²/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: 5080225.0/15
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: 9846331.3/40
All: 0.000+/-0.000 χ²/NDF: 18028730.7/83
- sign 0.000+/-0.000 χ²/NDF: 7908003.8/42

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 595.367+/-468.449 χ^2/NDF: 18.2/19

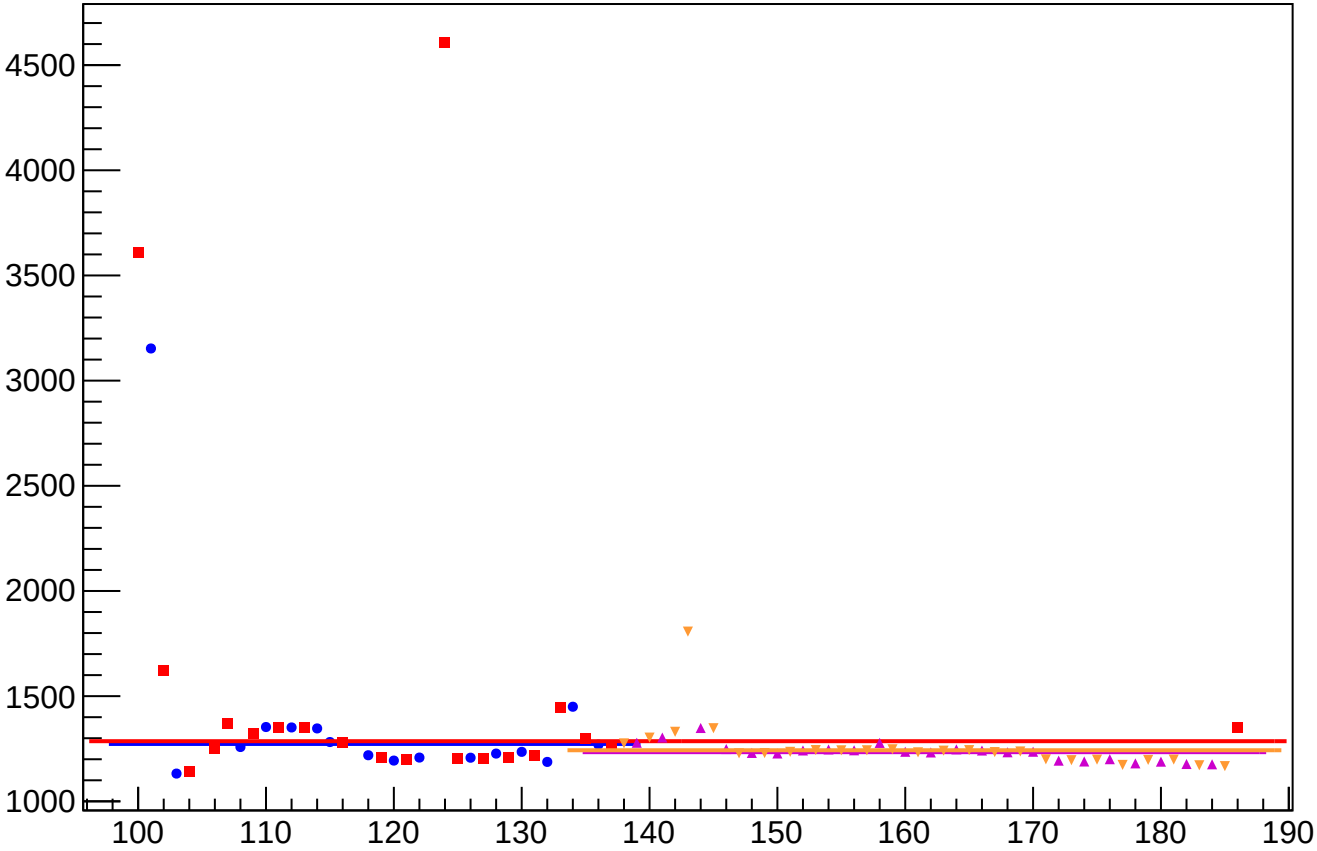
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -13.891+/-244.136 χ^2/NDF: 43.1/40

All: 107.642+/-173.102 χ^2/NDF: 77.3/83

- sign 230.514+/-245.476 χ^2/NDF: 33.8/42

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

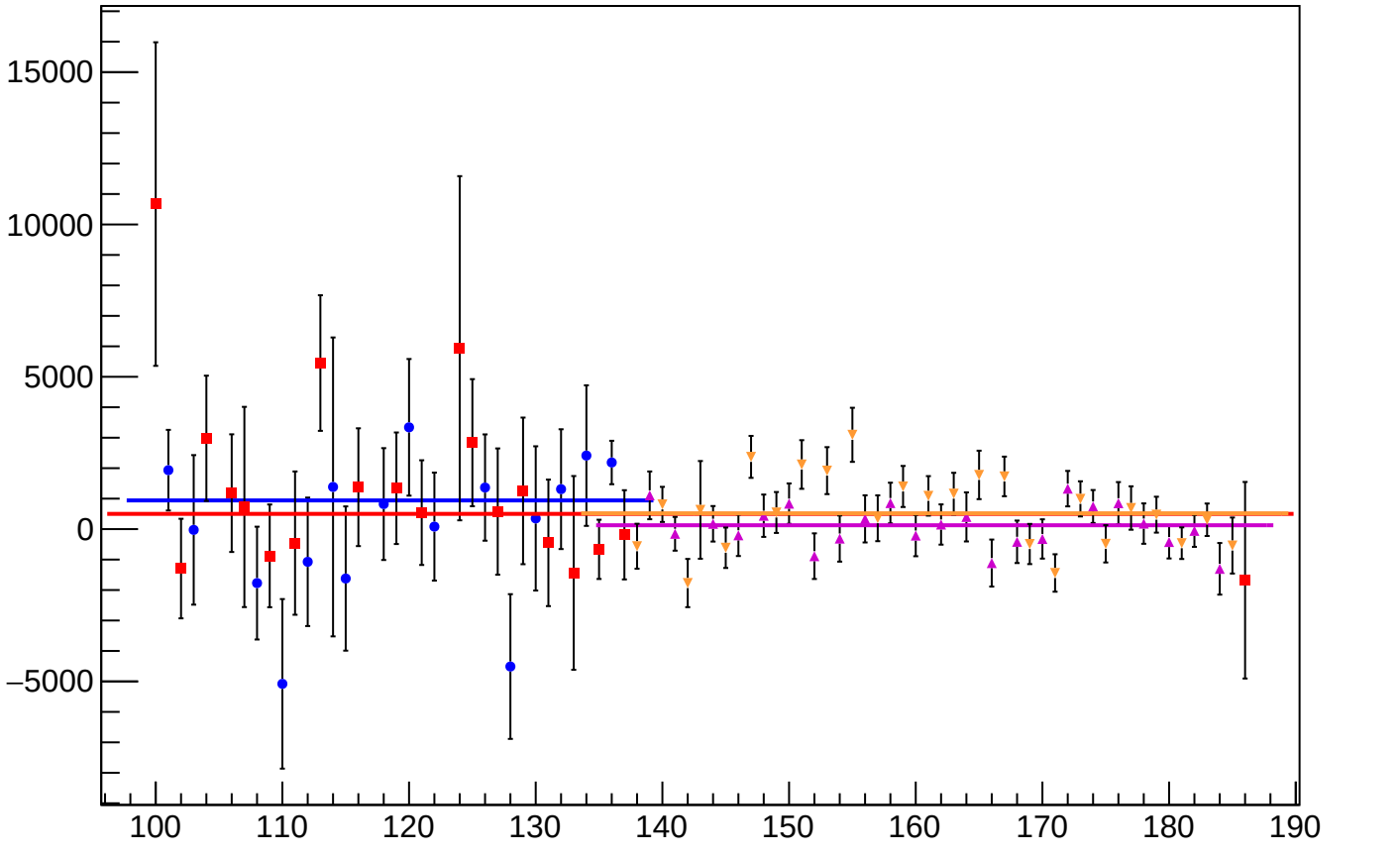
Right Out: 1285.878+/-0.331 χ^2/NDF: 324234.7/19

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1250.502+/-0.173 χ^2/NDF: 728342.8/40

All: 1249.291+/-0.122 χ^2/NDF: 1109922.1/83

- sign 1248.066+/-0.174 χ^2/NDF: 381480.3/42



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

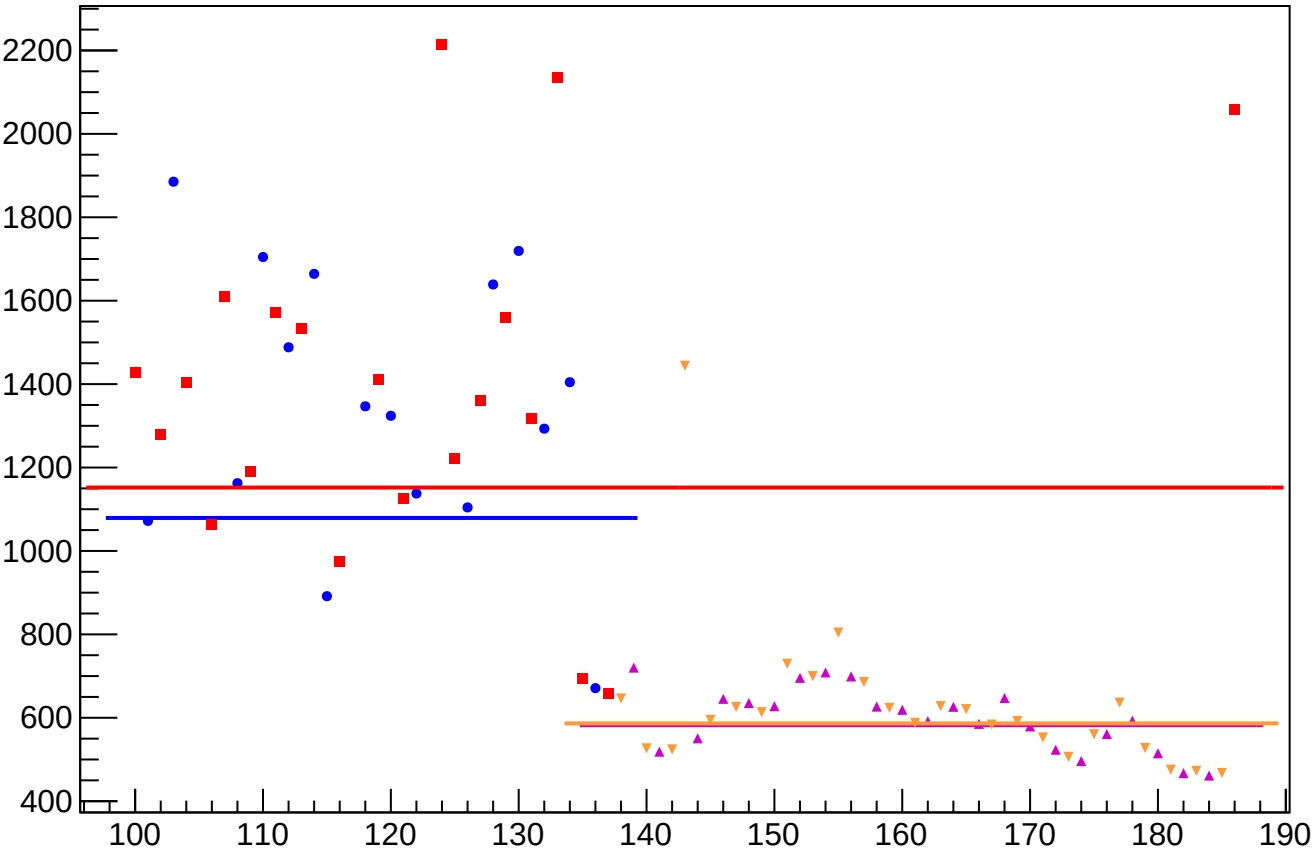
Right Out: 500.117+/-435.872 χ^2/NDF: 17.6/19

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 555.993+/-129.334 χ^2/NDF: 87.8/40

All: 360.556+/-92.011 χ^2/NDF: 132.3/83

- sign 160.274+/-130.927 χ^2/NDF: 39.9/42



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1152.023+/-0.308 χ^2/NDF: 1454083.5/19

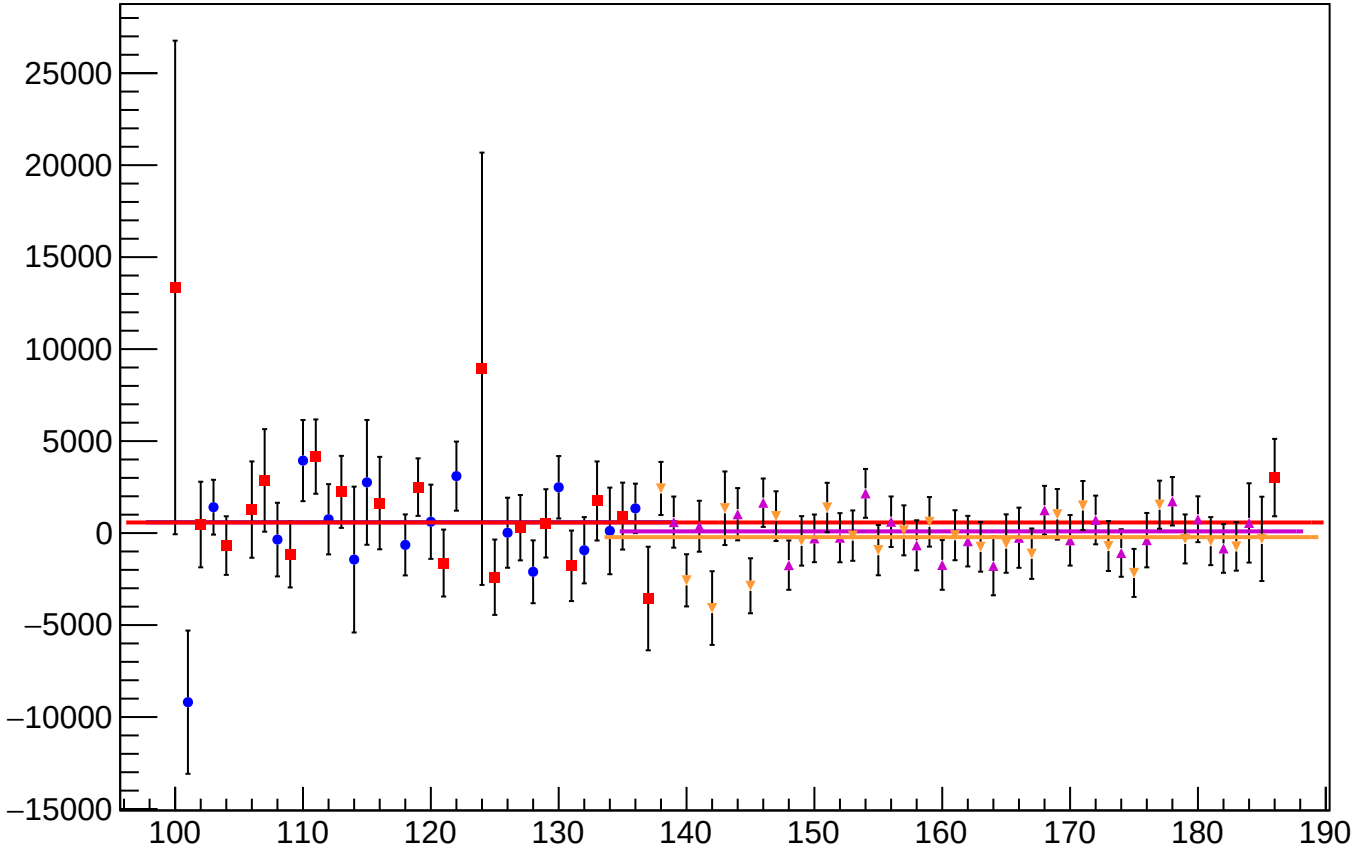
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 631.993+/-0.091 χ^2/NDF: 5114191.2/40

All: 632.789+/-0.065 χ^2/NDF: 10237547.5/83

- sign 633.605+/-0.093 χ^2/NDF: 5123202.8/42

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 576.199+/-469.207 χ^2/NDF: 18.2/19

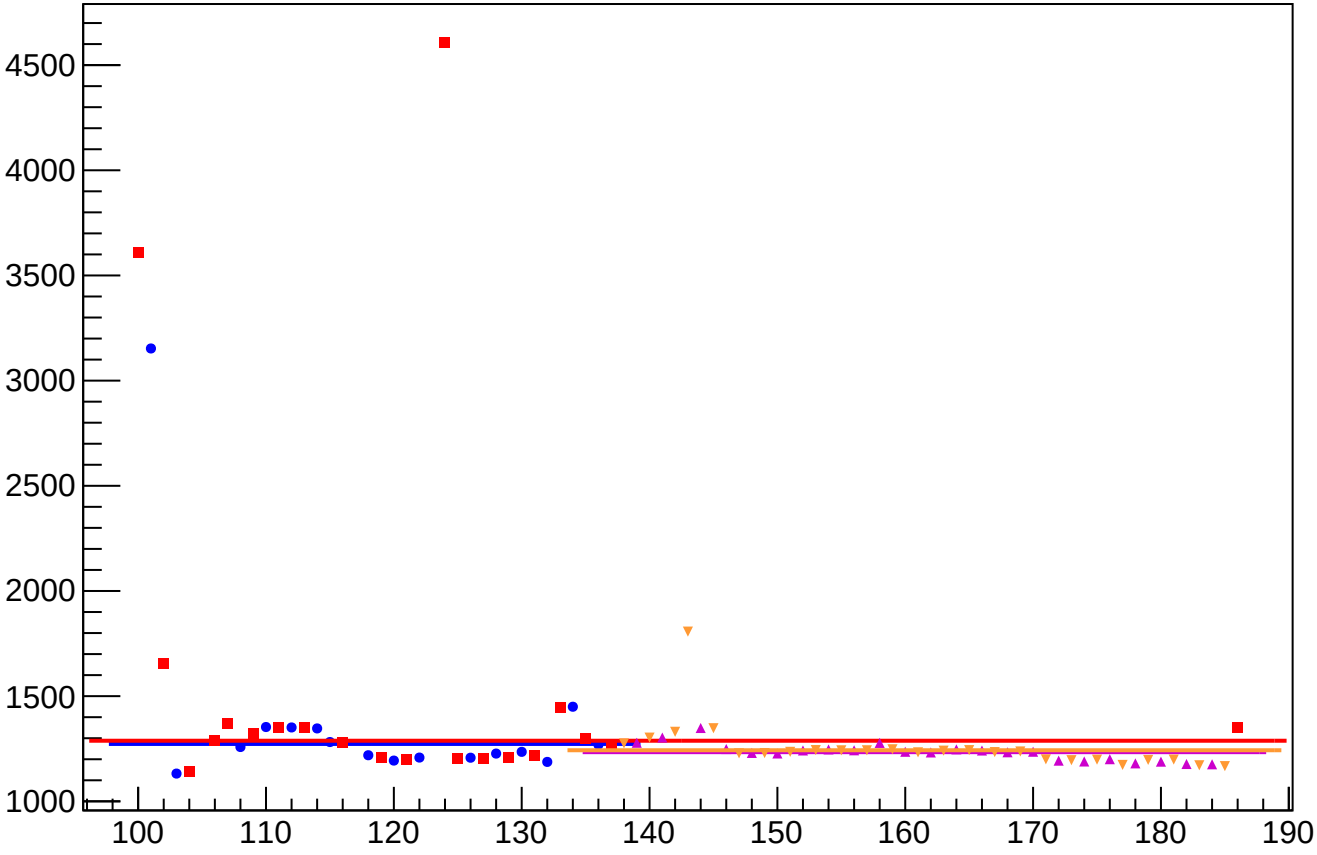
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -13.835+/-244.136 χ^2/NDF: 43.1/40

All: 104.871+/-173.140 χ^2/NDF: 77.2/83

- sign 224.990+/-245.585 χ^2/NDF: 33.7/42

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

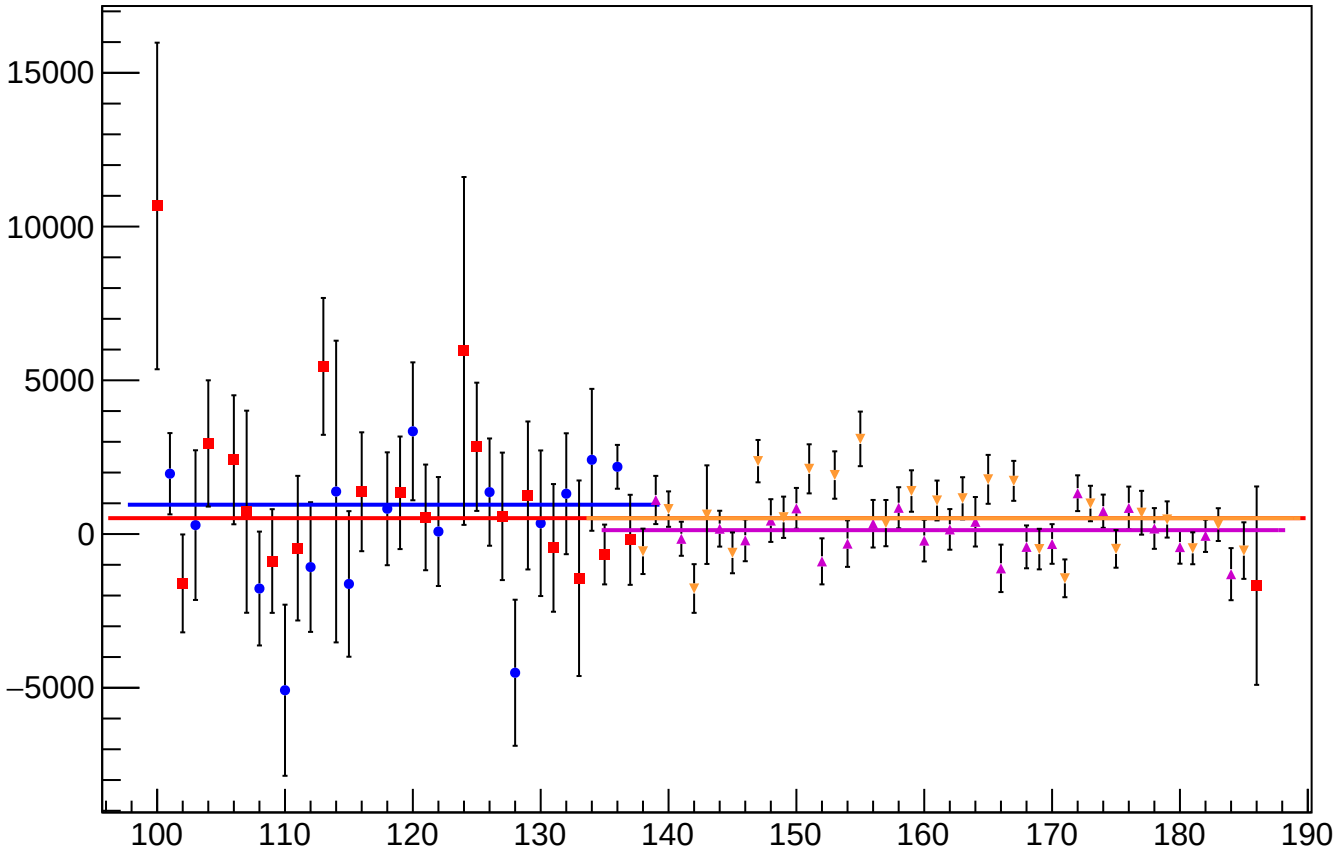
Right Out: 1288.065+/-0.332 χ^2/NDF: 330753.6/19

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.502+/-0.173 χ^2/NDF: 728344.1/40

All: 1249.572+/-0.122 χ^2/NDF: 1117894.8/83

- sign 1248.632+/-0.174 χ^2/NDF: 389492.4/42



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

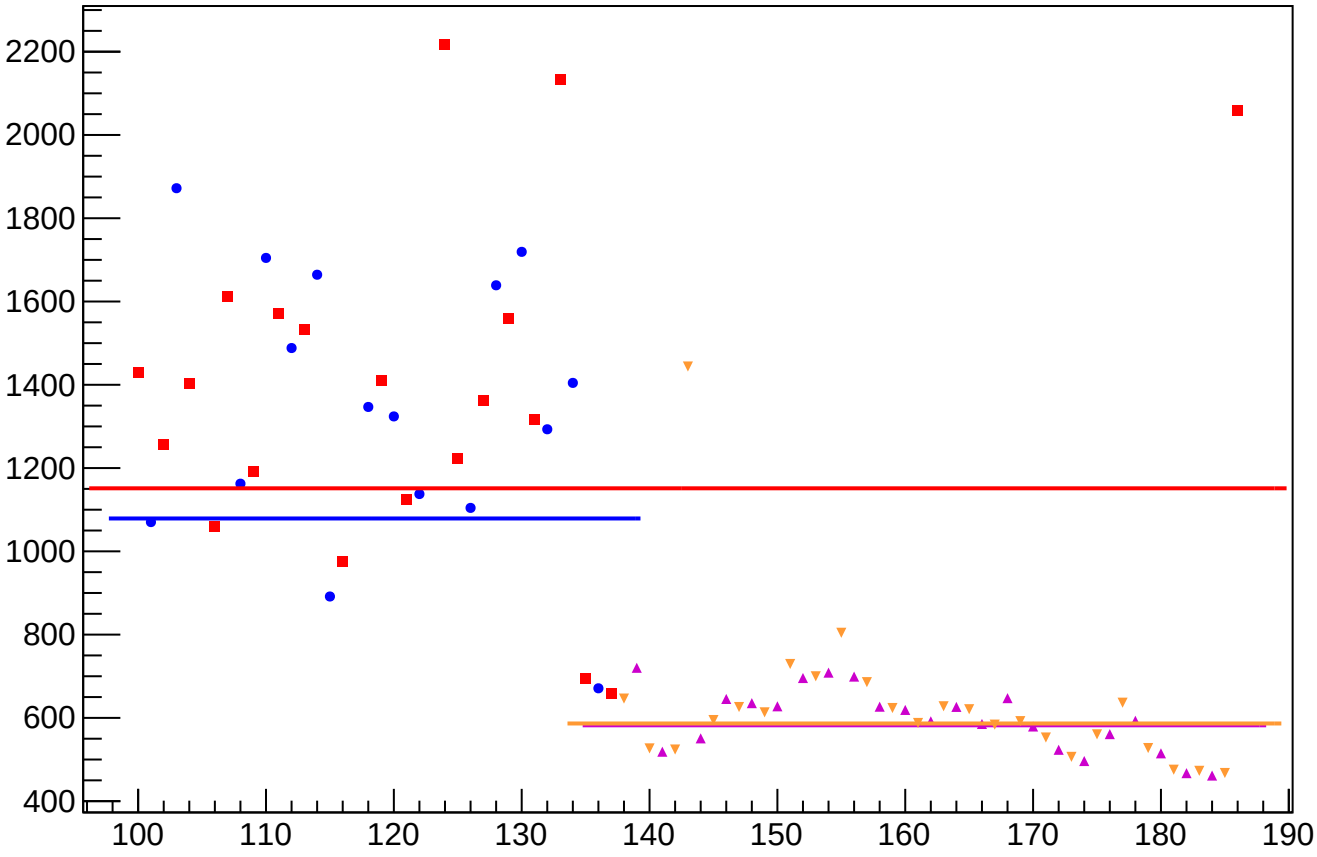
Right Out: 516.958+/-436.701 χ^2/NDF: 18.9/19

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 557.184+/-129.330 χ^2/NDF: 87.8/40

All: 361.880+/-92.017 χ^2/NDF: 133.6/83

- sign 161.653+/-130.949 χ^2/NDF: 41.1/42



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

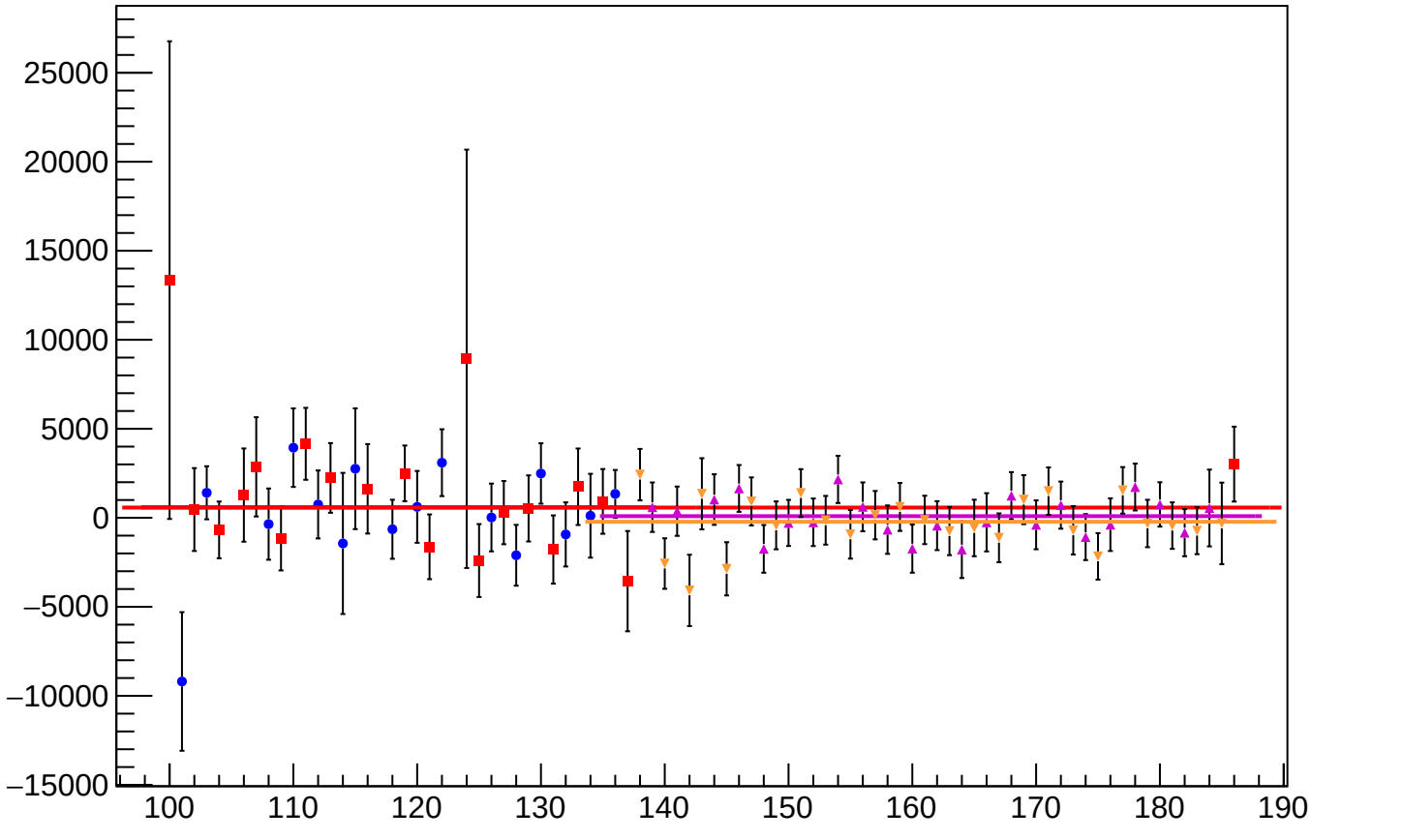
Right Out: 1151.368+/-0.309 χ^2/NDF: 1450142.8/19

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 632.015+/-0.091 χ^2/NDF: 5110511.2/40

All: 632.682+/-0.065 χ^2/NDF: 10212031.2/83

- sign 633.367+/-0.093 χ^2/NDF: 5101412.0/42



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 576.199+/-469.207 χ^2/NDF: 18.2/19

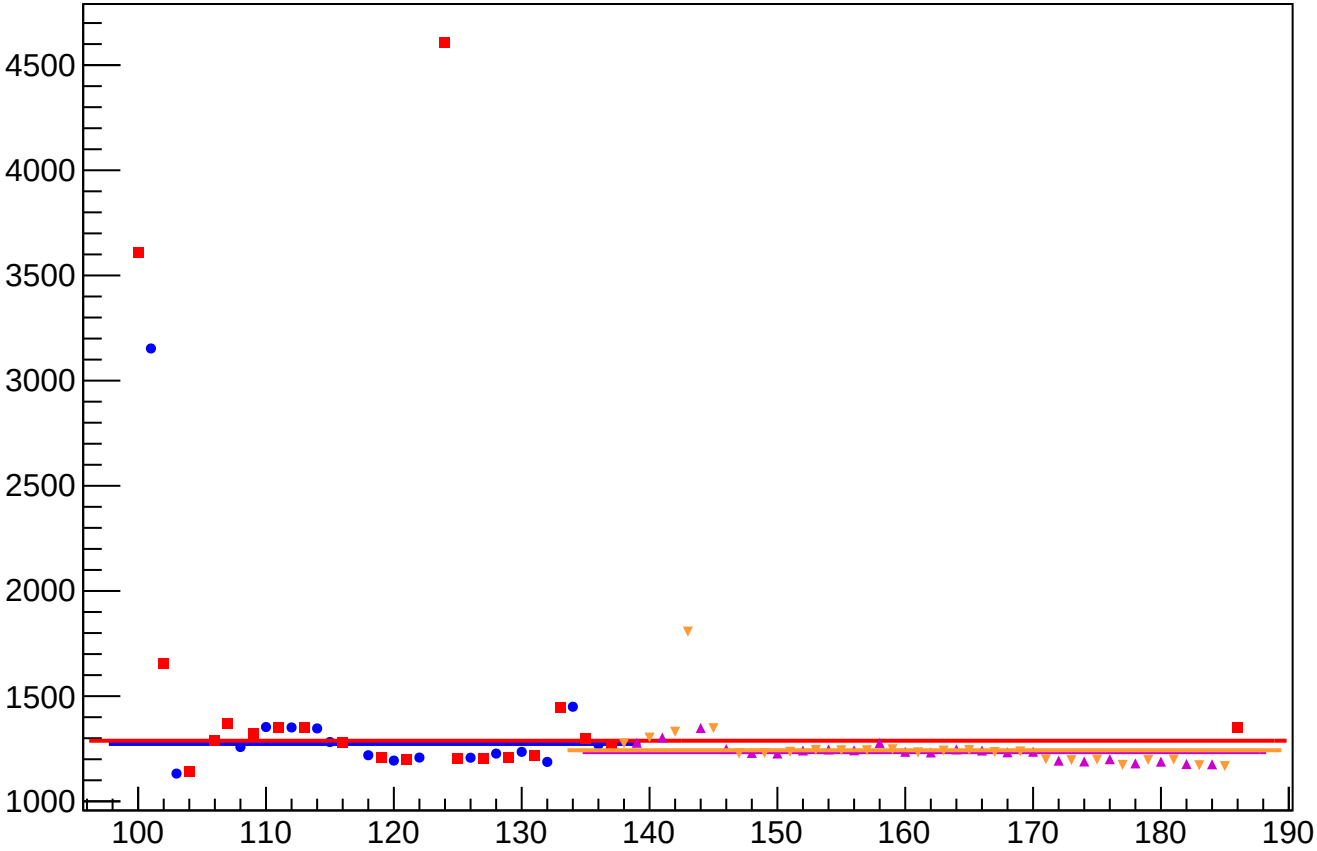
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -13.835+/-244.136 χ^2/NDF: 43.1/40

All: 104.871+/-173.140 χ^2/NDF: 77.2/83

- sign 224.990+/-245.585 χ^2/NDF: 33.7/42

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

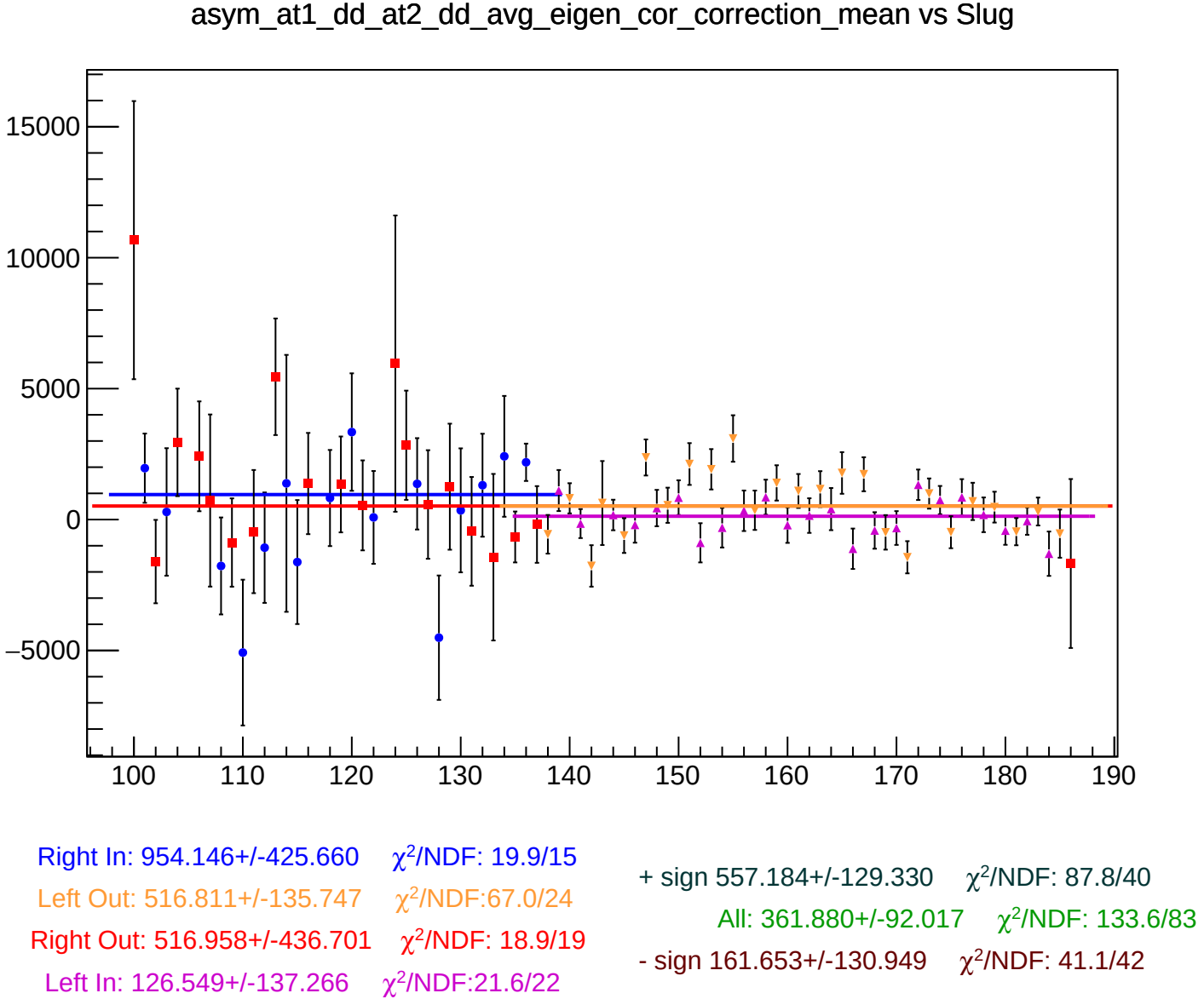
Right Out: 1288.065+/-0.332 χ^2/NDF: 330753.6/19

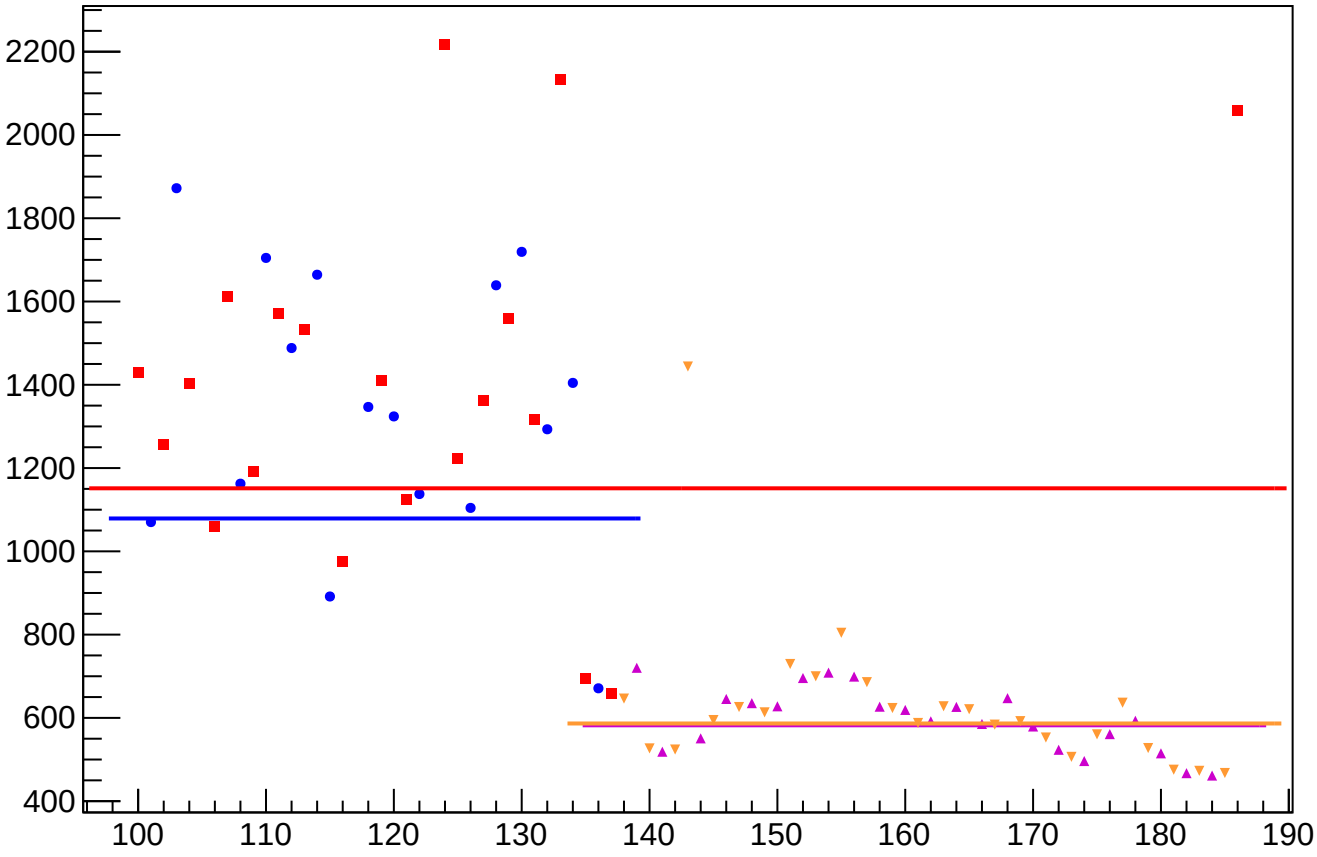
Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.502+/-0.173 χ^2/NDF: 728344.1/40

All: 1249.572+/-0.122 χ^2/NDF: 1117894.8/83

- sign 1248.632+/-0.174 χ^2/NDF: 389492.4/42


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 516.811+/-135.747 χ²/NDF:67.0/24
Right Out: 516.958+/-436.701 χ²/NDF: 18.9/19
Left In: 126.549+/-137.266 χ²/NDF:21.6/22
+ sign 557.184+/-129.330 χ²/NDF: 87.8/40
All: 361.880+/-92.017 χ²/NDF: 133.6/83
- sign 161.653+/-130.949 χ²/NDF: 41.1/42



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1151.368+/-0.309 χ^2/NDF: 1450142.8/19

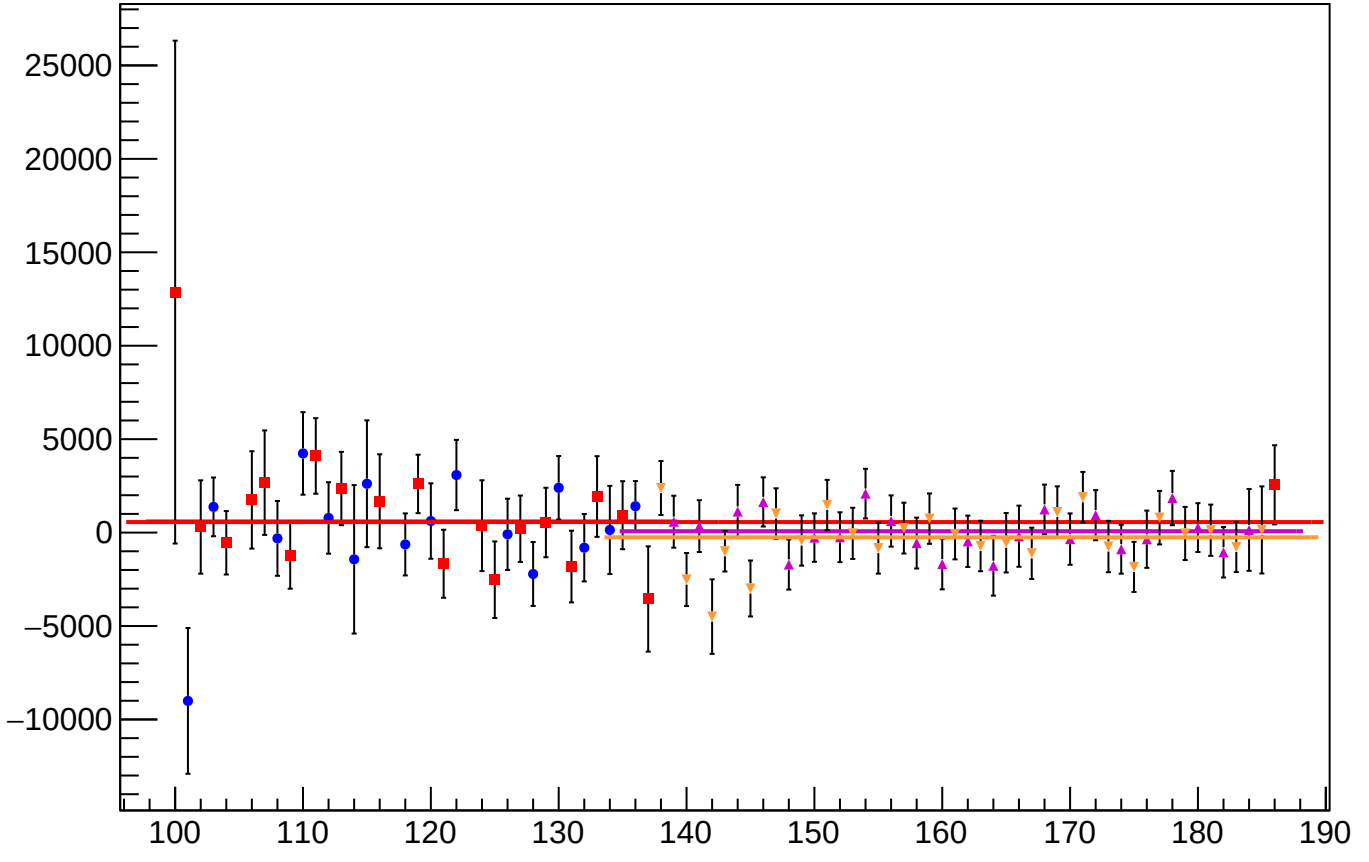
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 632.015+/-0.091 χ^2/NDF: 5110511.2/40

All: 632.682+/-0.065 χ^2/NDF: 10212031.2/83

- sign 633.367+/-0.093 χ^2/NDF: 5101412.0/42

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 563.764+/-465.143 χ^2/NDF: 17.6/19

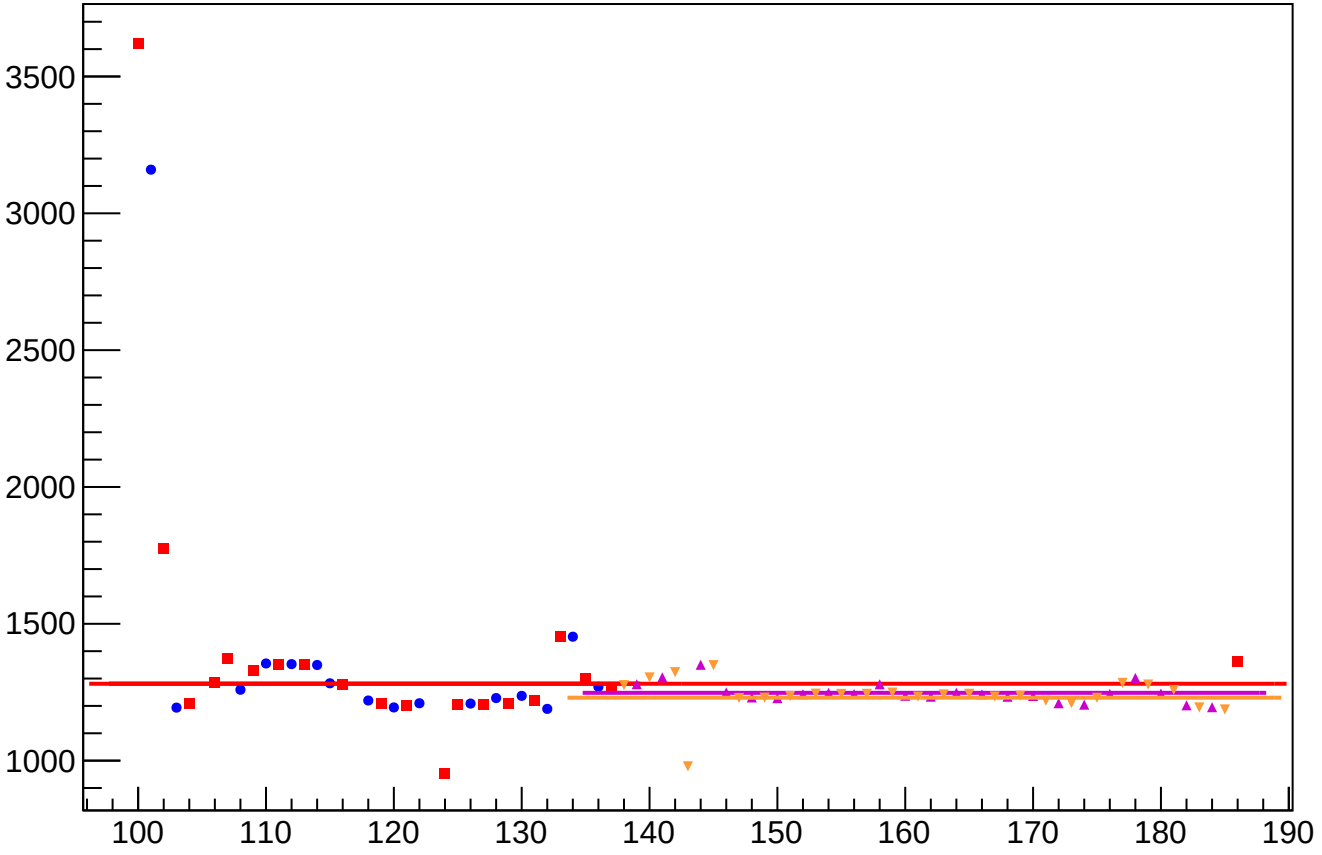
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -40.974+/-242.500 χ^2/NDF: 43.4/40

All: 83.549+/-173.035 χ^2/NDF: 76.4/83

- sign 212.713+/-246.978 χ^2/NDF: 32.4/42

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

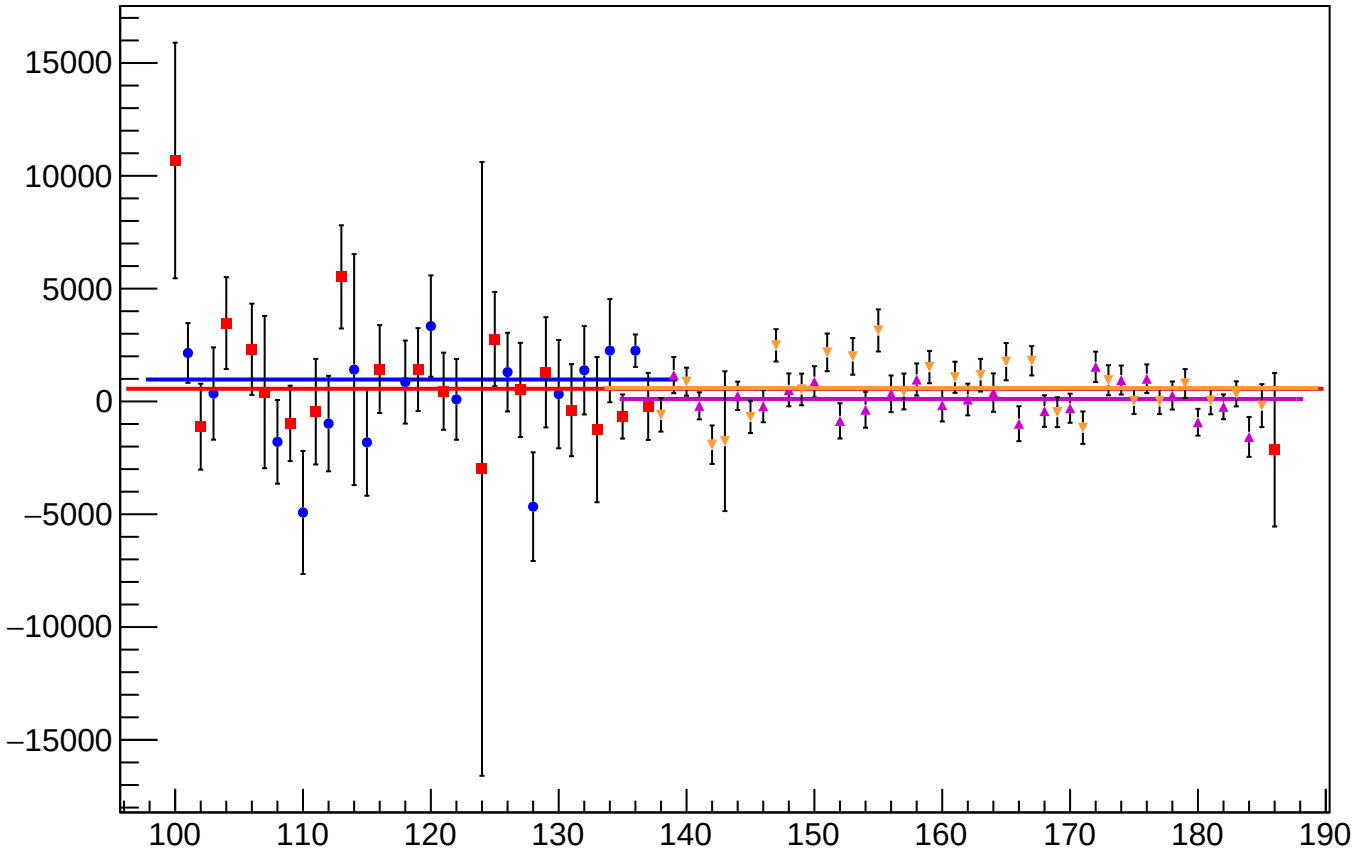
Right Out: 1280.962+/-0.329 χ^2/NDF: 223579.4/19

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1242.806+/-0.171 χ^2/NDF: 665499.7/40

All: 1249.841+/-0.122 χ^2/NDF: 927155.2/83

- sign 1257.139+/-0.175 χ^2/NDF: 258226.3/42



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 561.548+/-443.903 χ^2/NDF: 17.8/19

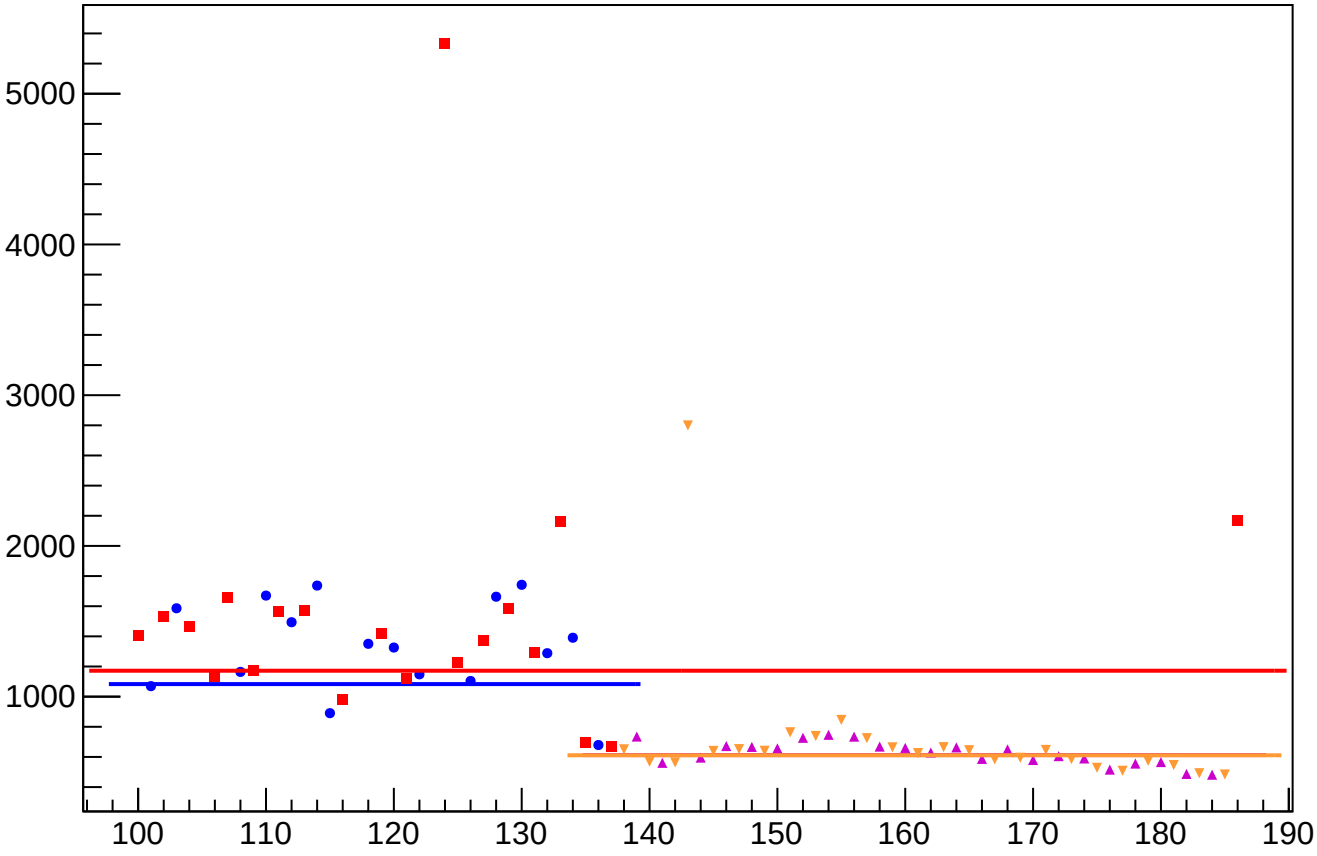
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 632.916+/-134.800 χ^2/NDF: 78.5/40

All: 397.316+/-96.146 χ^2/NDF: 129.1/83

- sign 153.347+/-137.173 χ^2/NDF: 44.4/42

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

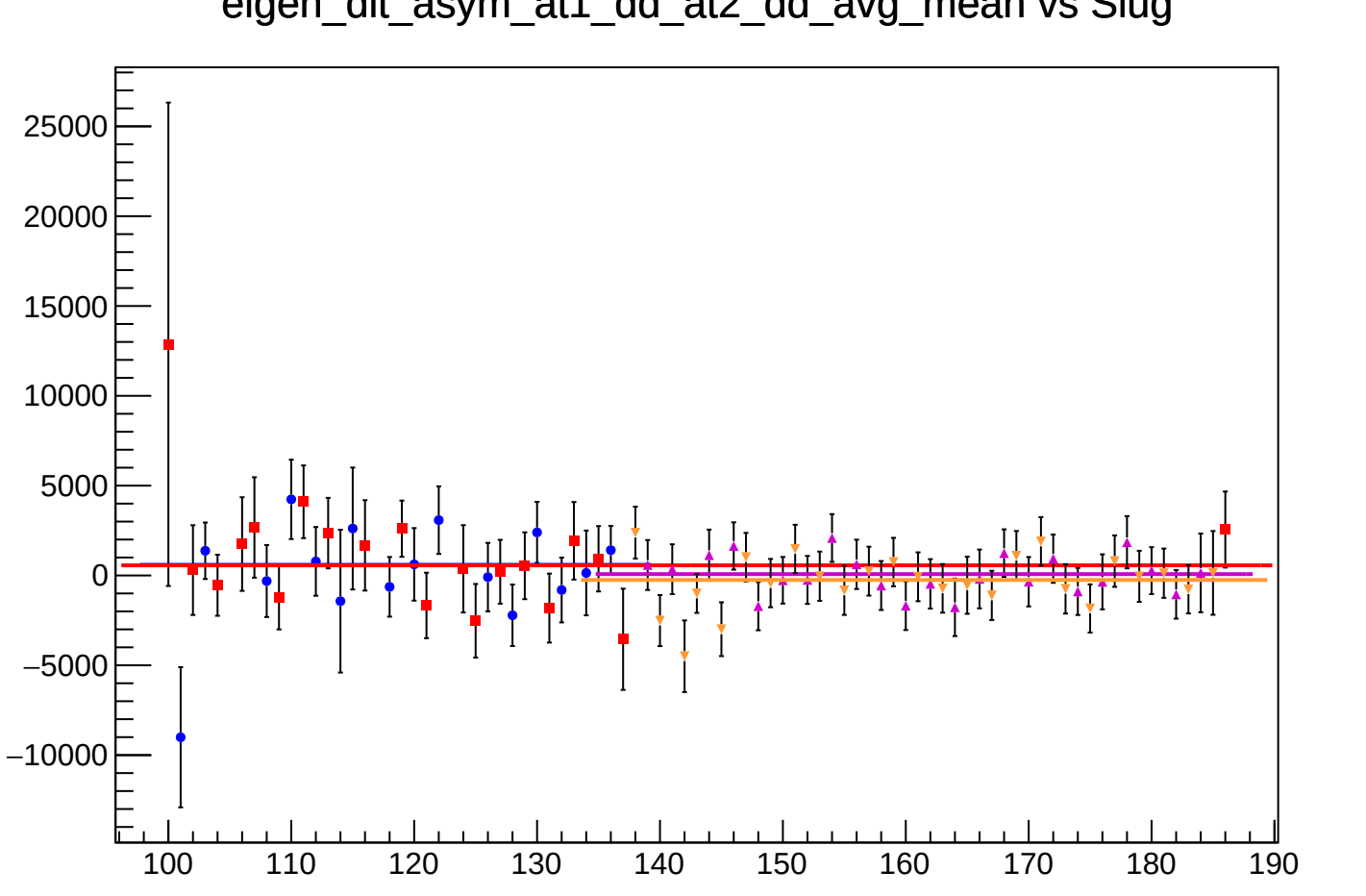
Right Out: 1172.032+/-0.314 χ^2/NDF: 1663693.5/19

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 658.546+/-0.095 χ^2/NDF: 5198429.3/40

All: 662.129+/-0.068 χ^2/NDF: 10248835.2/83

- sign 665.839+/-0.097 χ^2/NDF: 5047530.1/42



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 563.761+/-465.143 χ^2/NDF: 17.6/19

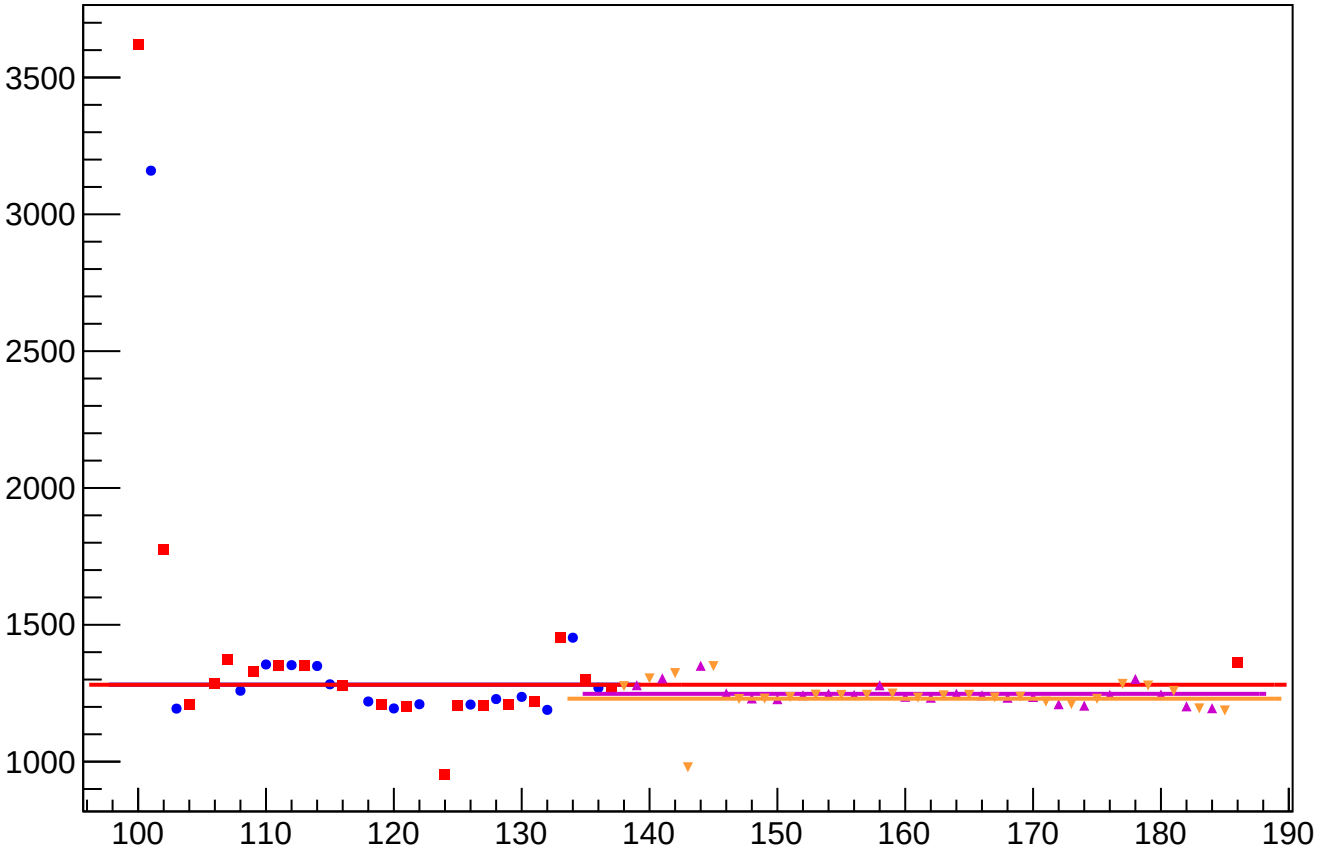
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

\+ sign -40.974+/-242.500 χ^2/NDF: 43.4/40

All: 83.548+/-173.035 χ^2/NDF: 76.4/83

\- sign 212.712+/-246.978 χ^2/NDF: 32.4/42

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

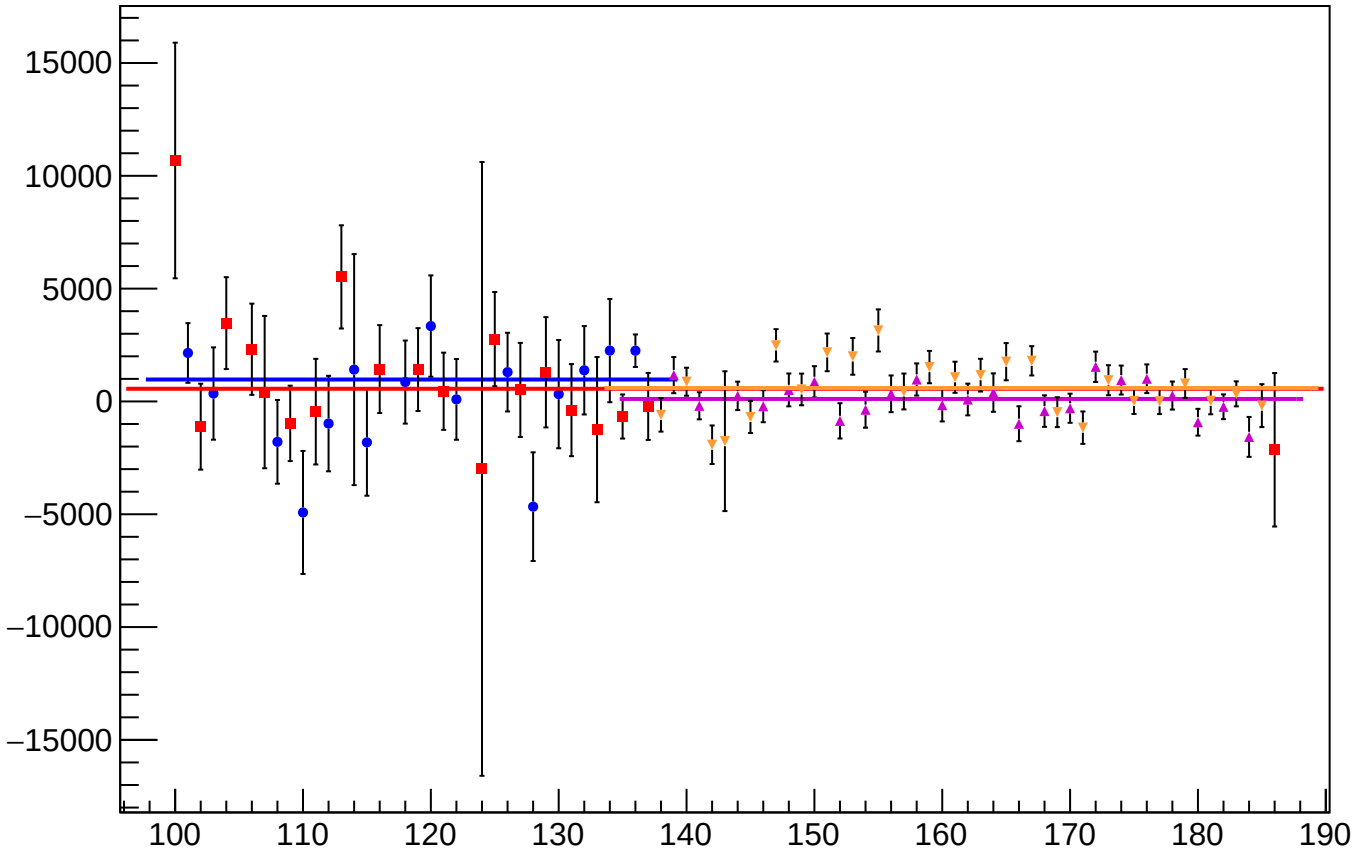
Right Out: 1280.962+/-0.329 χ^2/NDF: 223579.3/19

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1242.806+/-0.171 χ^2/NDF: 665498.9/40

All: 1249.841+/-0.122 χ^2/NDF: 927154.2/83

- sign 1257.139+/-0.175 χ^2/NDF: 258226.2/42



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

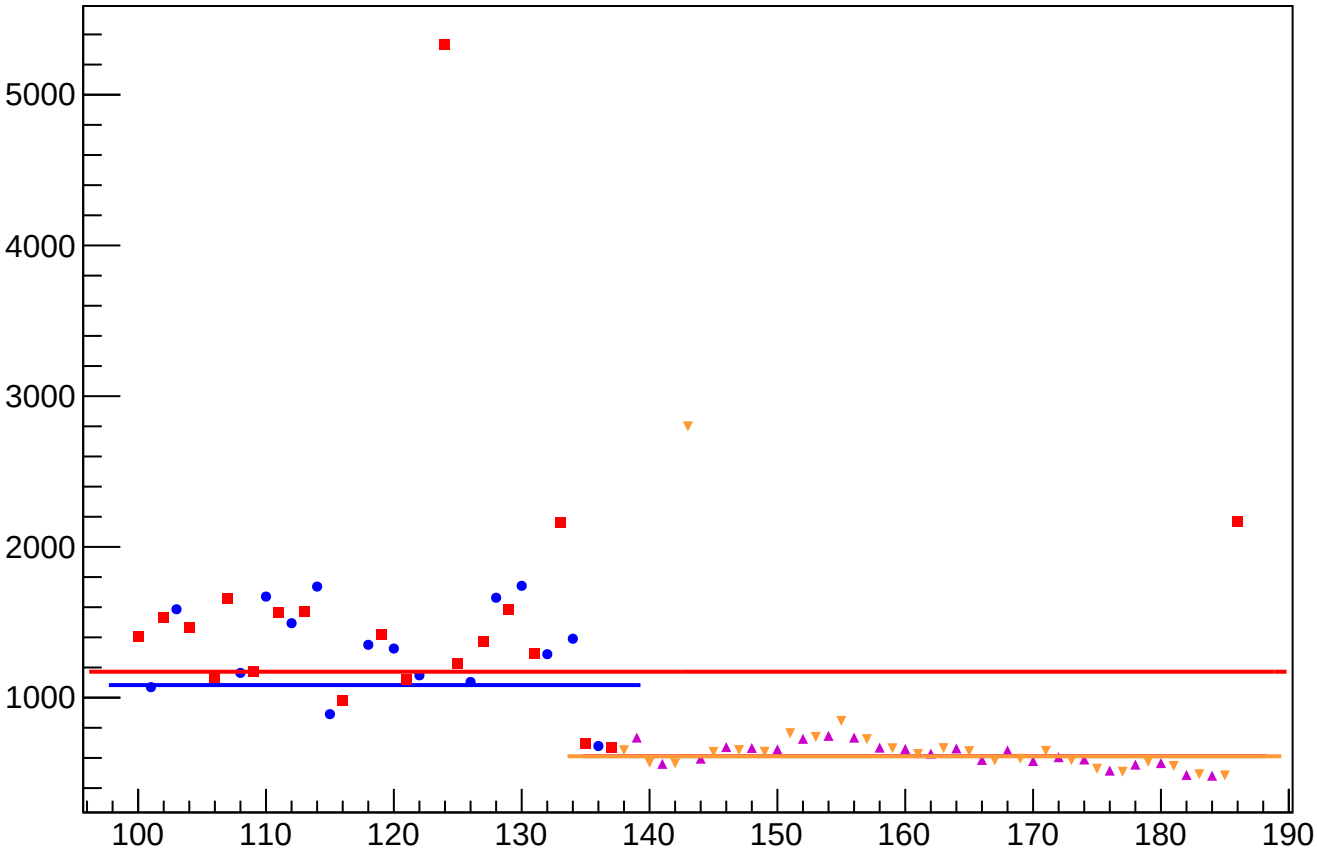
Right Out: 561.557+/-443.905 χ^2/NDF: 17.8/19

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 632.915+/-134.800 χ^2/NDF: 78.5/40

All: 397.316+/-96.146 χ^2/NDF: 129.1/83

- sign 153.346+/-137.173 χ^2/NDF: 44.4/42



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

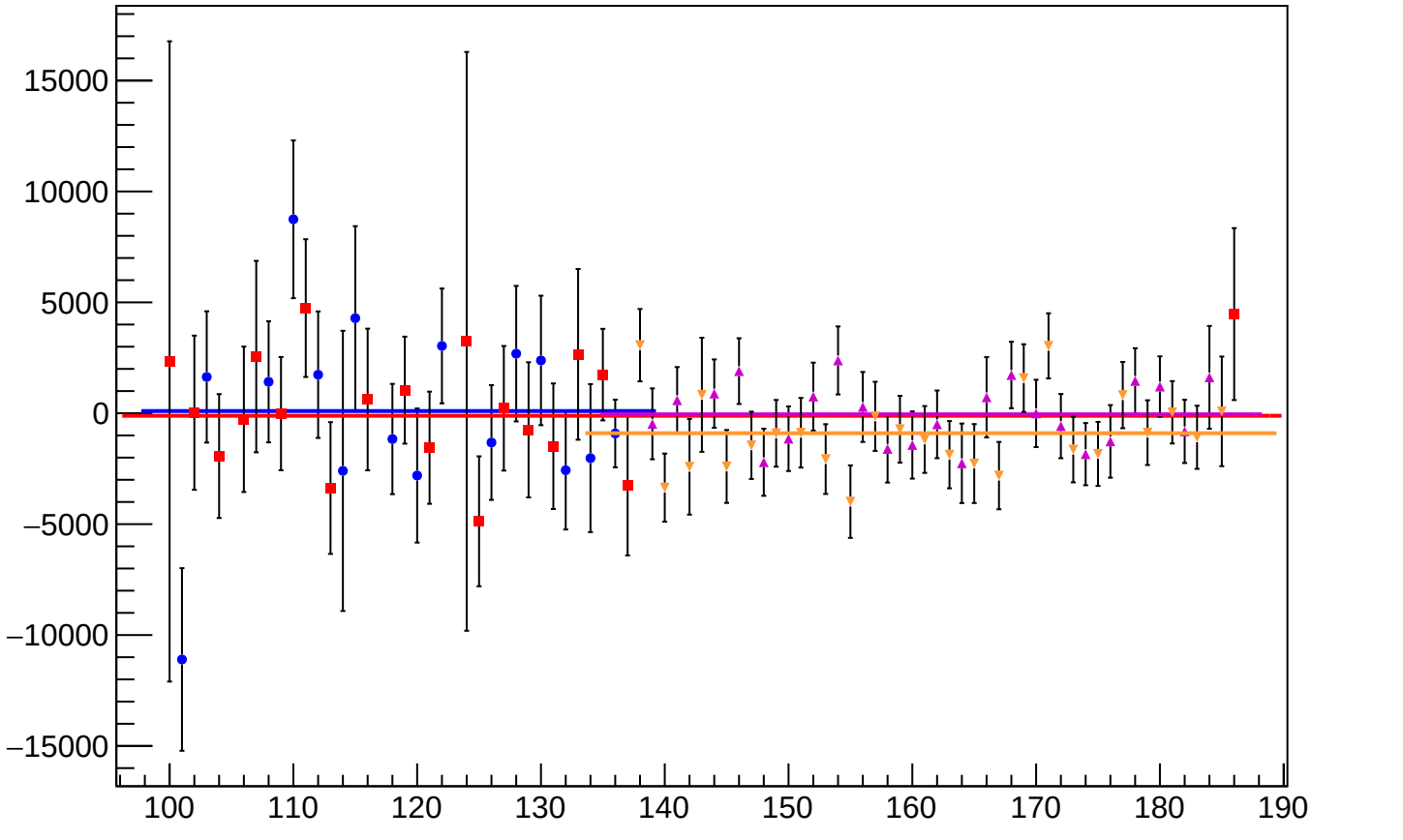
Right Out: 1172.040+/-0.314 χ^2/NDF: 1663638.0/19

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 658.546+/-0.095 χ^2/NDF: 5198416.6/40

All: 662.129+/-0.068 χ^2/NDF: 10248829.9/83

- sign 665.838+/-0.097 χ^2/NDF: 5047537.9/42



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -113.307+/-688.594 χ^2/NDF: 11.8/19

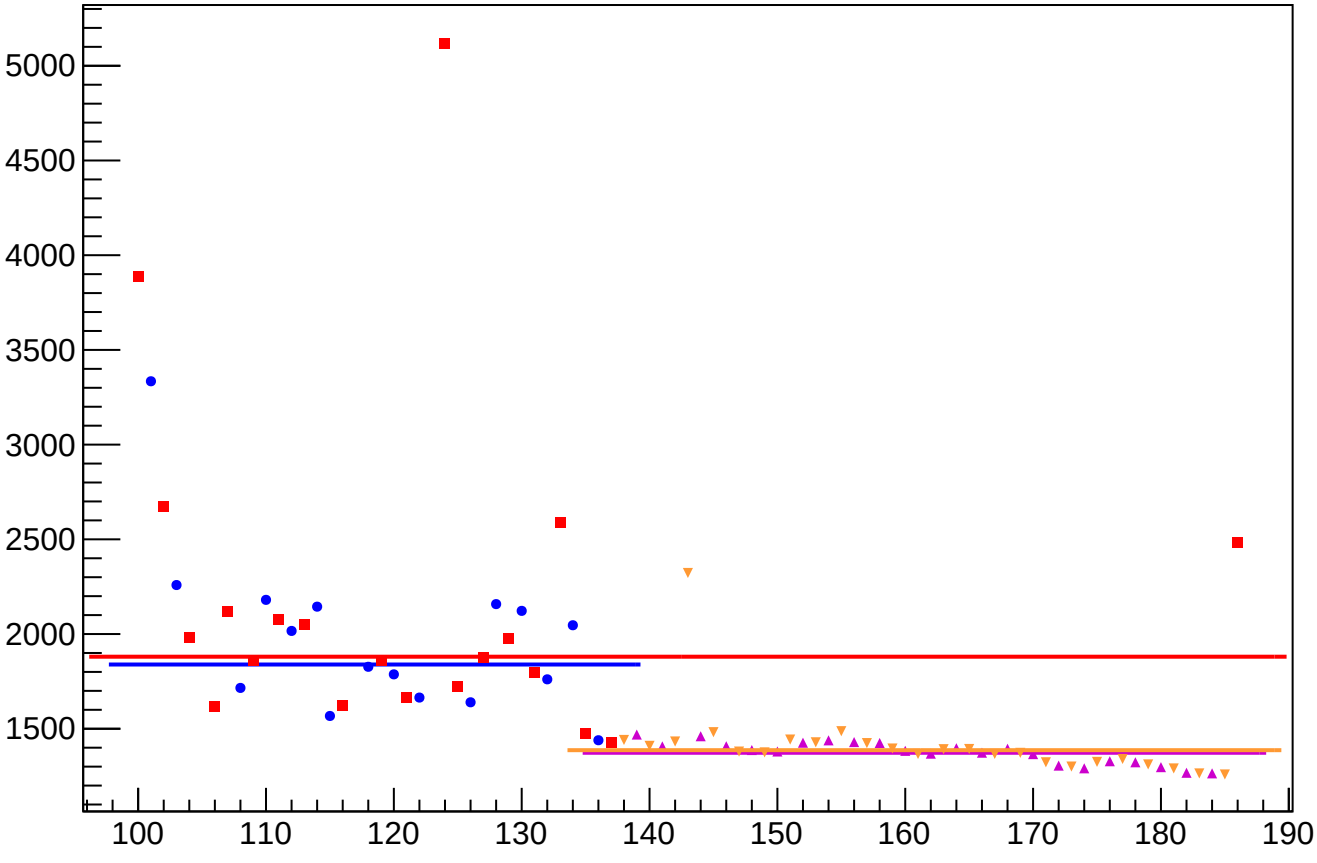
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

\+ sign -729.737+/-288.282 χ^2/NDF: 52.8/40

All: -397.783+/-204.761 χ^2/NDF: 85.1/83

\- sign -59.800+/-290.887 χ^2/NDF: 29.7/42

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

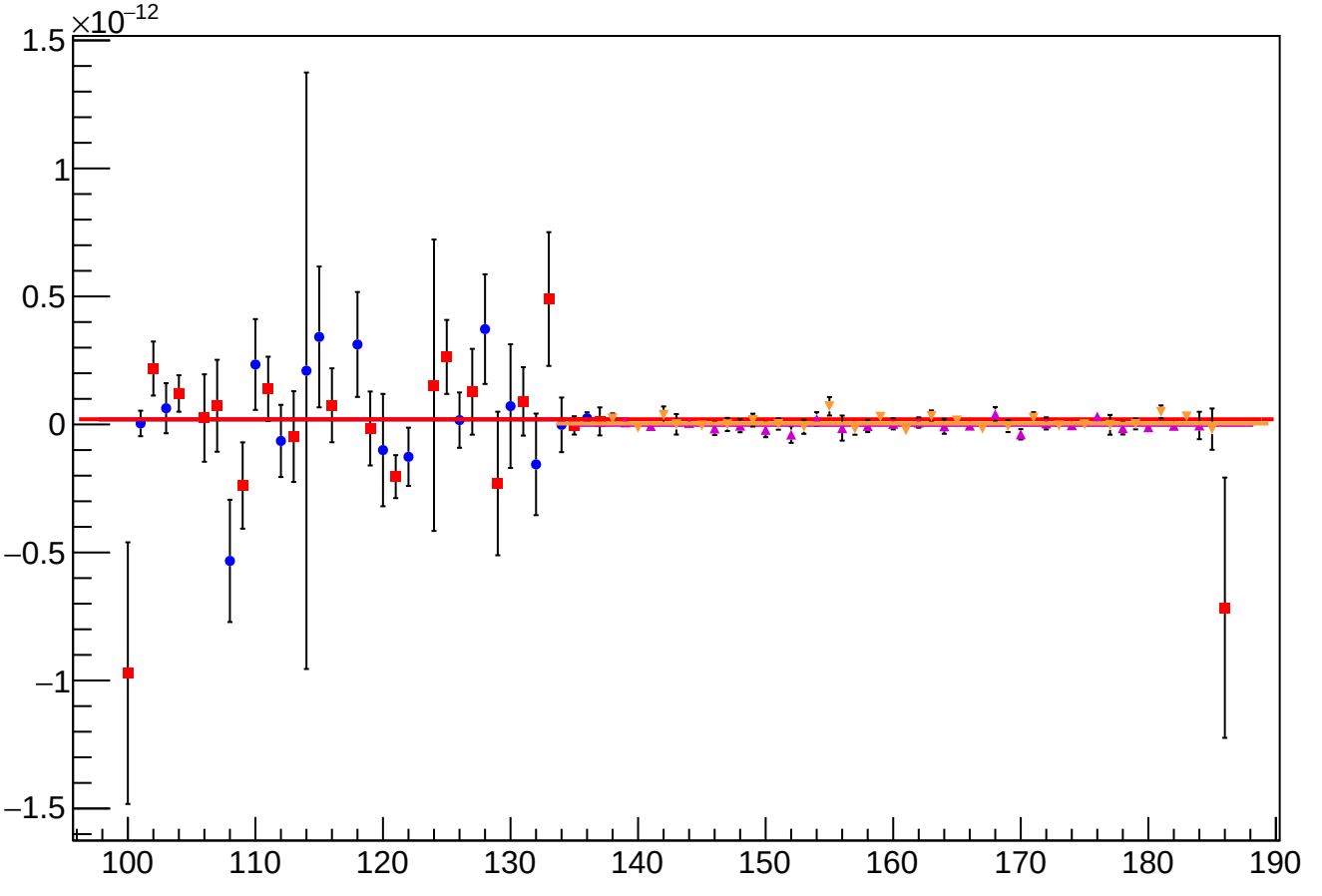
Right Out: 1880.358+/-0.487 χ^2/NDF: 571859.5/19

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1463.775+/-0.204 χ^2/NDF: 1591411.8/40

All: 1463.747+/-0.145 χ^2/NDF: 3118996.7/83

- sign 1463.719+/-0.206 χ^2/NDF: 1527584.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

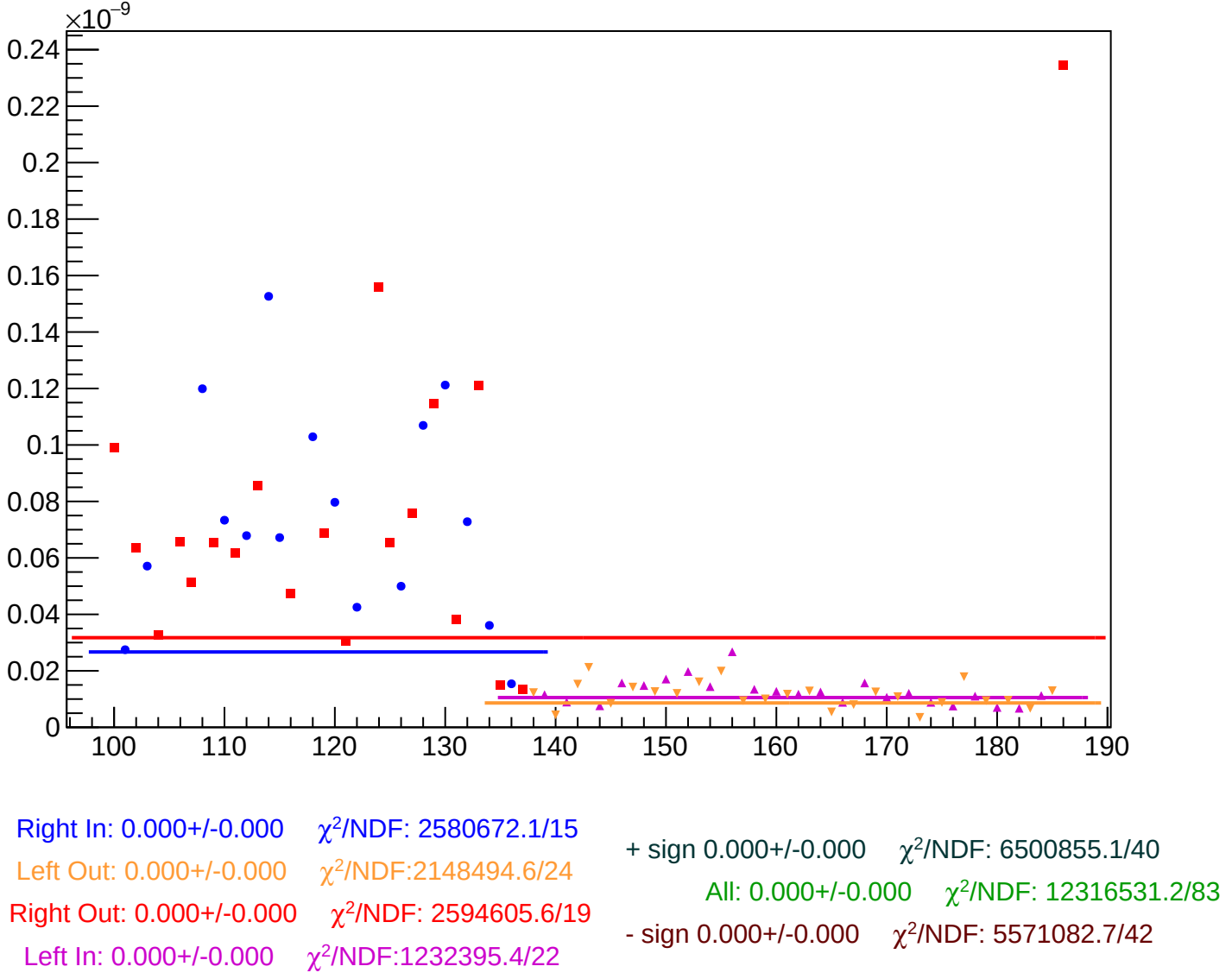
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/19

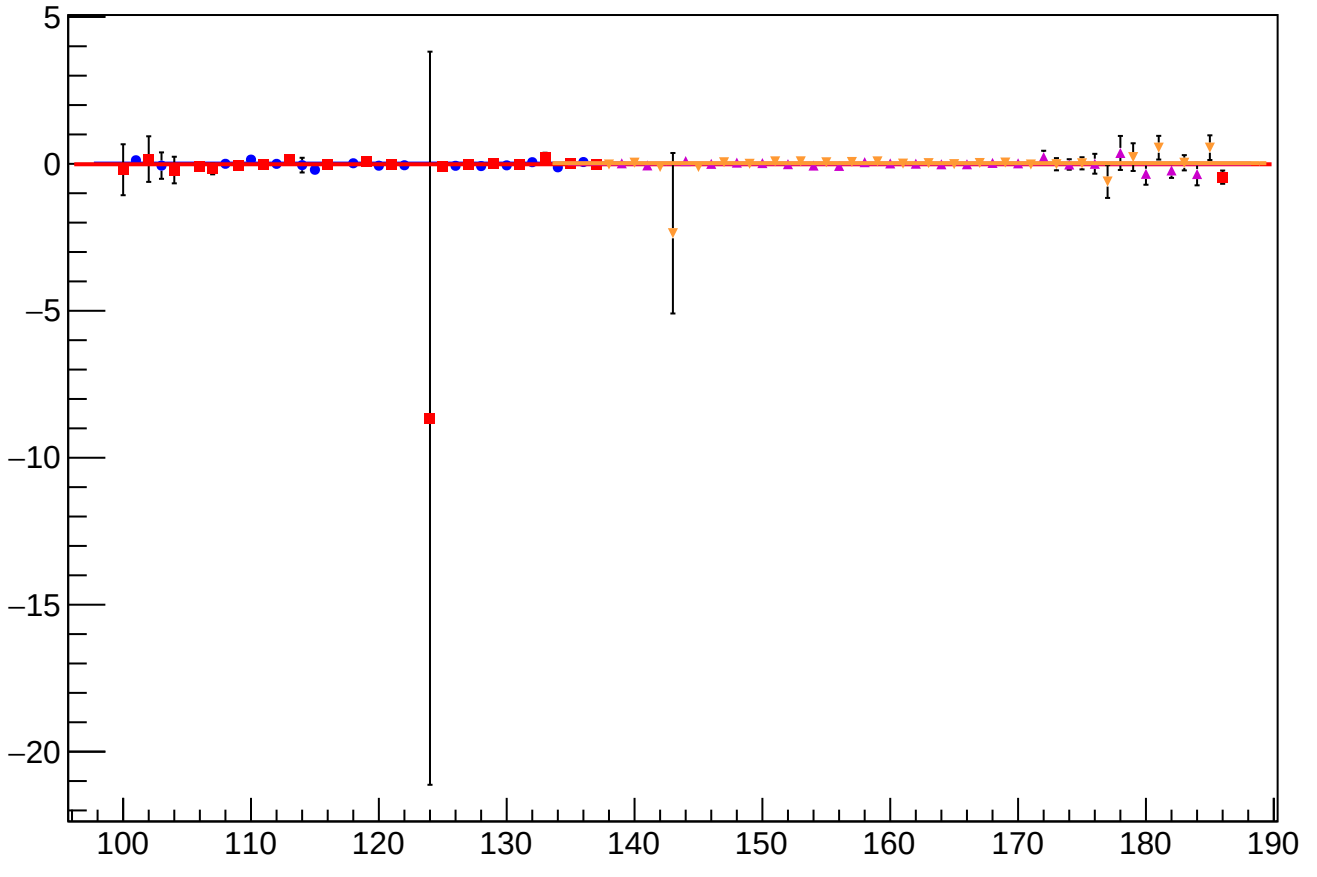
Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.9/40

All: 0.000+/-0.000 χ^2/NDF: 87.4/83

- sign -0.000+/-0.000 χ^2/NDF: 44.7/42


asym_at1_dd_at2_dd_avg_reg_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: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 2594605.6/19
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
+ sign 0.000+/-0.000 χ²/NDF: 6500855.1/40
All: 0.000+/-0.000 χ²/NDF: 12316531.2/83
- sign 0.000+/-0.000 χ²/NDF: 5571082.7/42



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.015+/-0.017 χ^2/NDF: 16.4/19

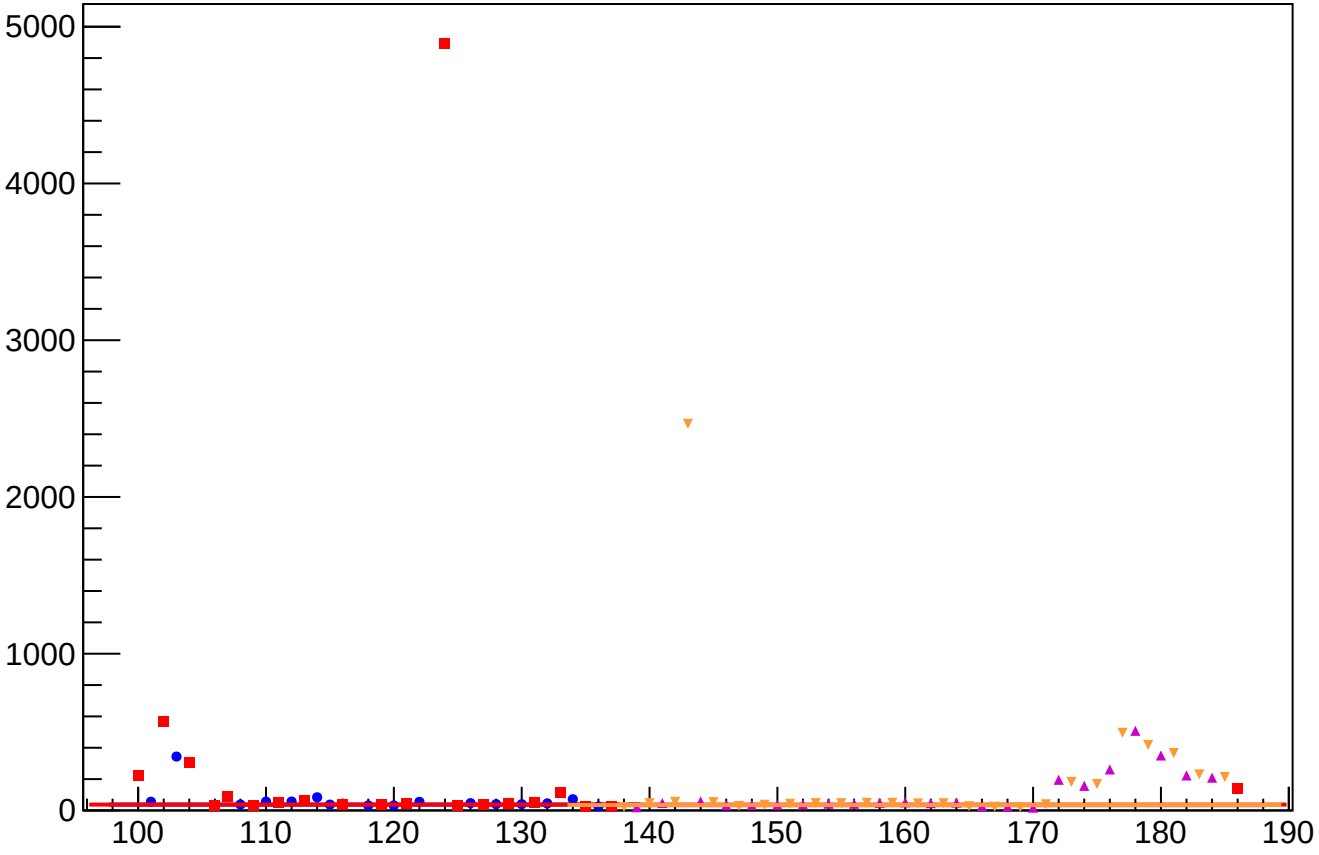
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 42.7/40

All: 0.011+/-0.006 χ^2/NDF: 77.3/83

- 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: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

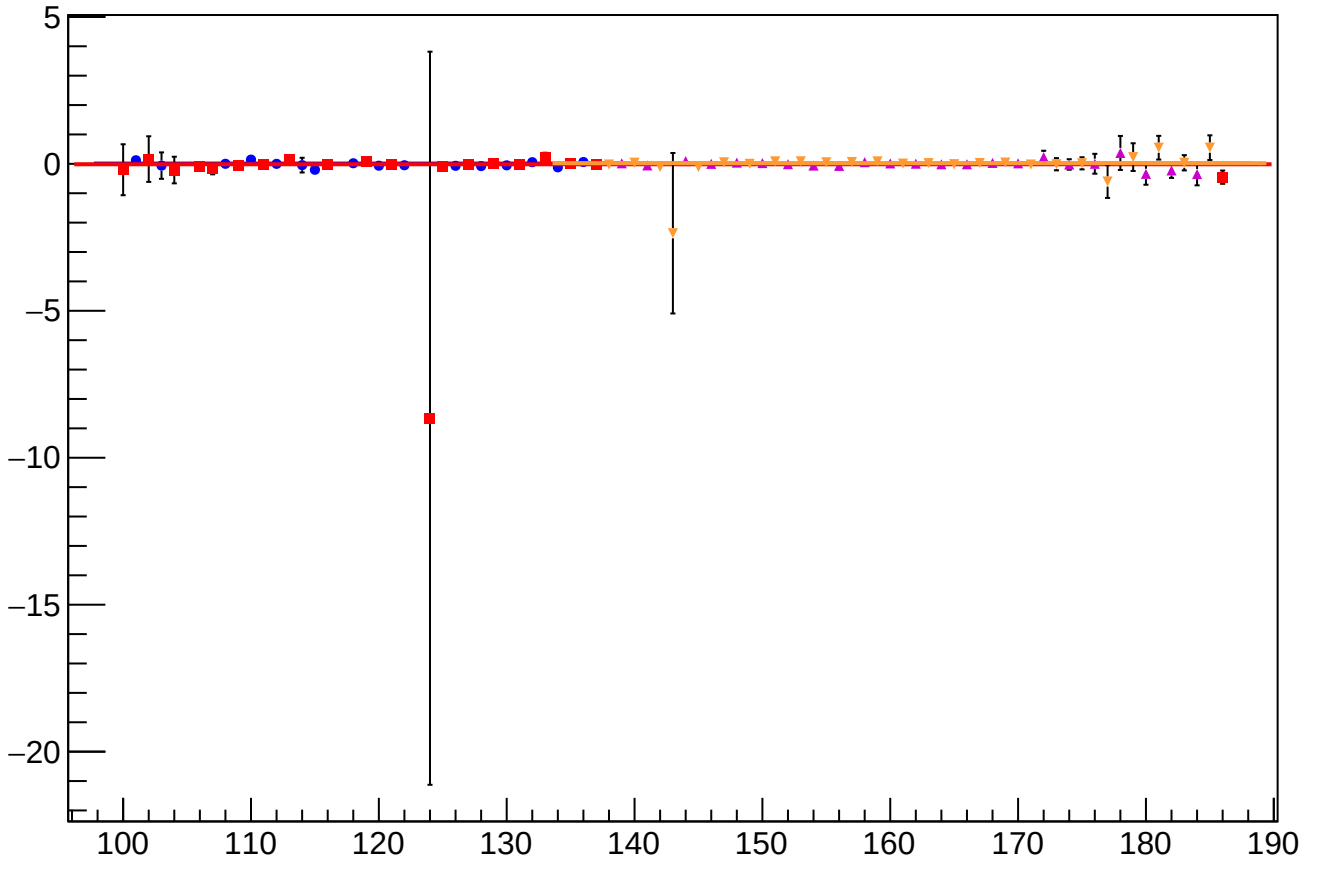
Right Out: 37.341+/-0.012 χ^2/NDF: 3631788.9/19

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.448+/-0.006 χ^2/NDF: 13431173.6/40

All: 35.011+/-0.004 χ^2/NDF: 27215855.7/83

\- sign 34.584+/-0.006 χ^2/NDF: 13774522.7/42



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

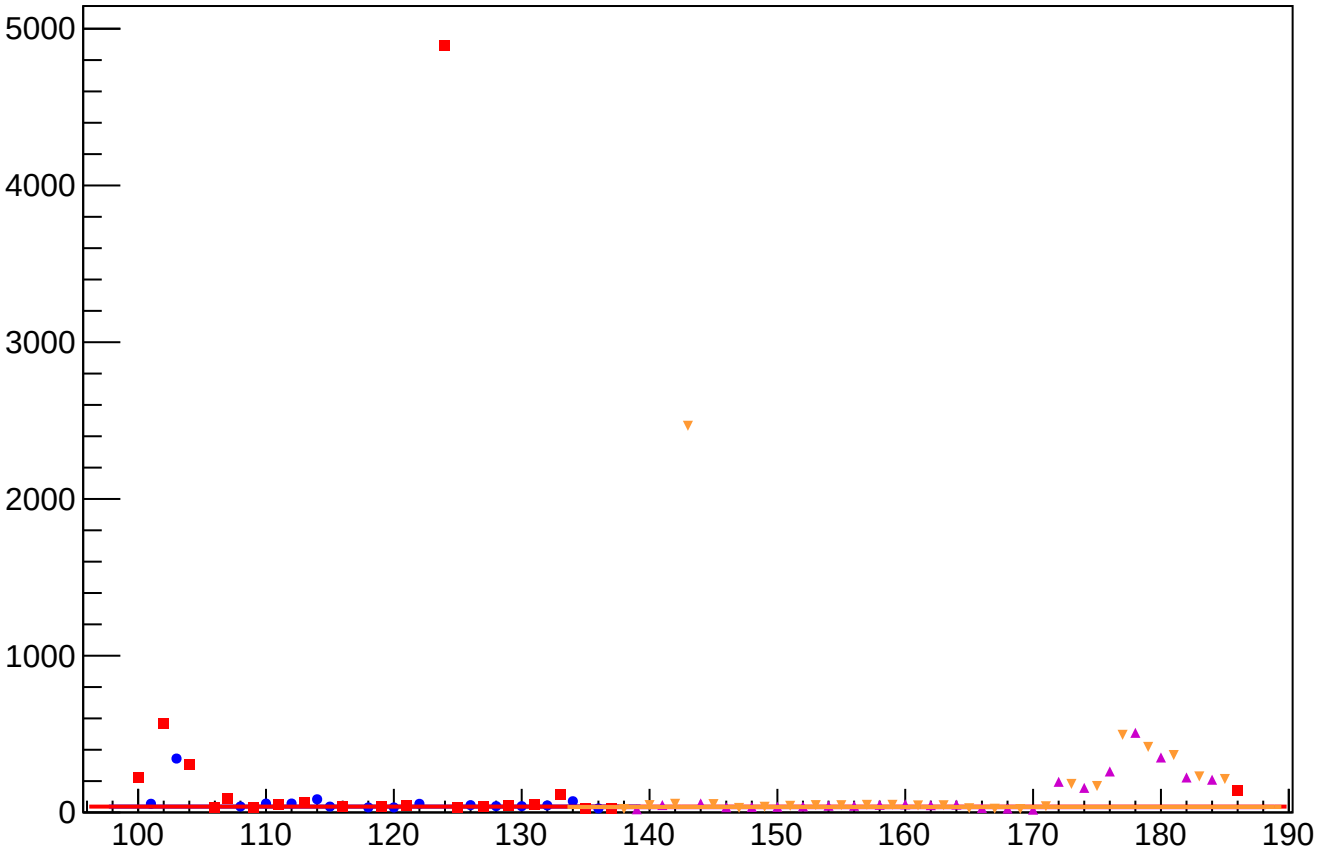
Right Out: -0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 42.7/40

All: 0.011+/-0.006 χ^2/NDF: 77.3/83

- sign 0.003+/-0.009 χ^2/NDF: 32.8/42



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

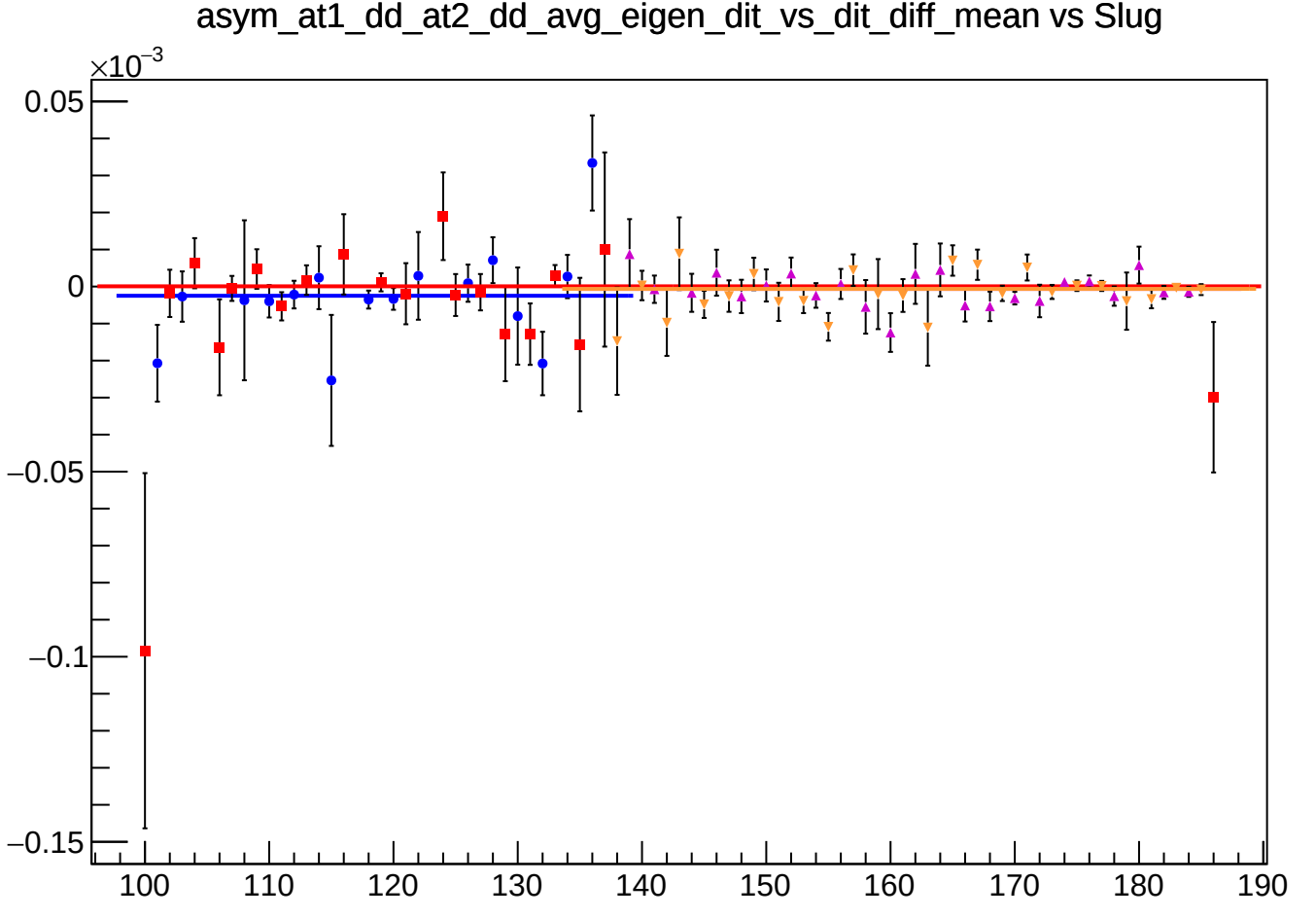
Right Out: 37.341+/-0.012 χ^2/NDF: 3631788.9/19

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.448+/-0.006 χ^2/NDF: 13431173.6/40

All: 35.011+/-0.004 χ^2/NDF: 27215855.7/83

- sign 34.584+/-0.006 χ^2/NDF: 13774522.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

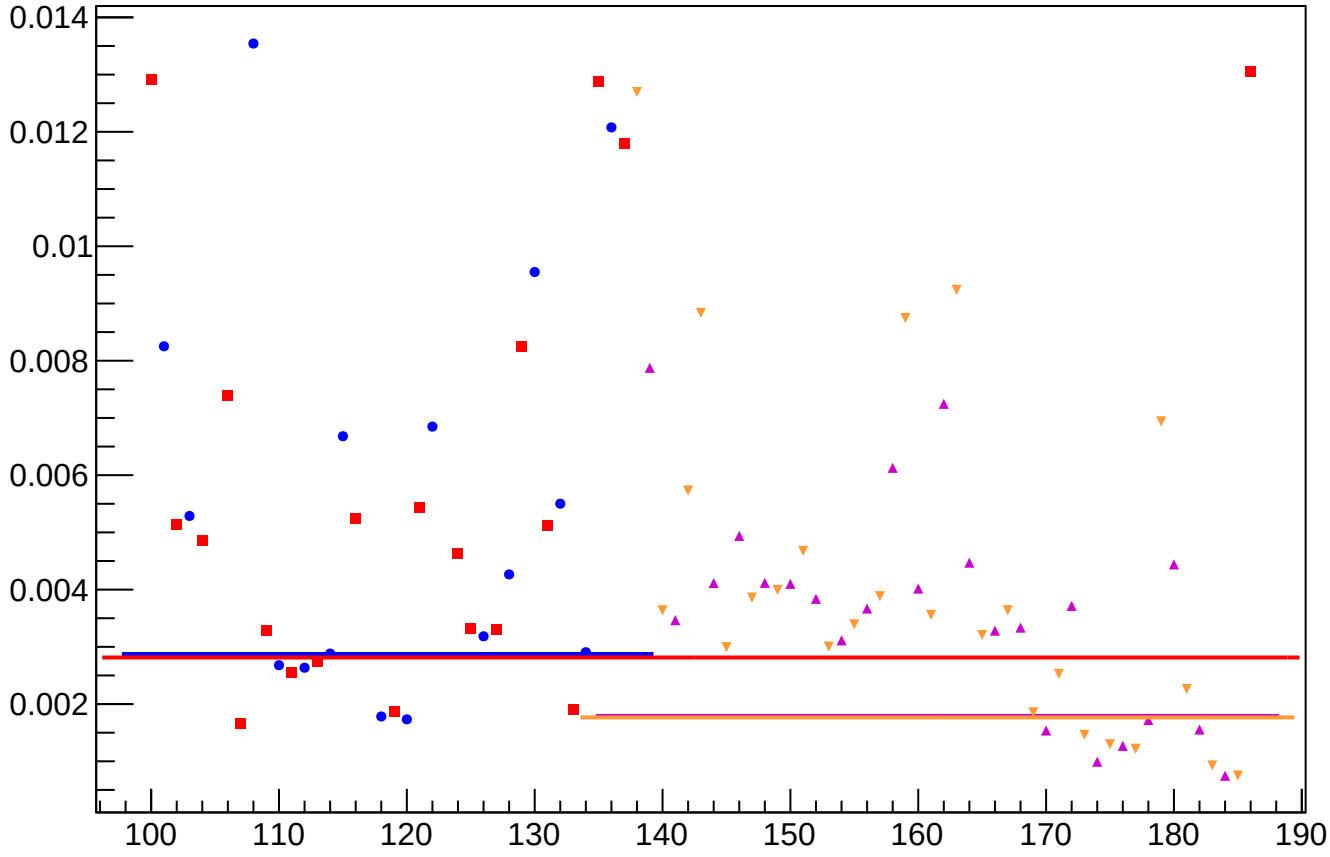
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/19

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.0/40

All: -0.000+/-0.000 χ^2/NDF: 95.6/83

- sign -0.000+/-0.000 χ^2/NDF: 43.3/42



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

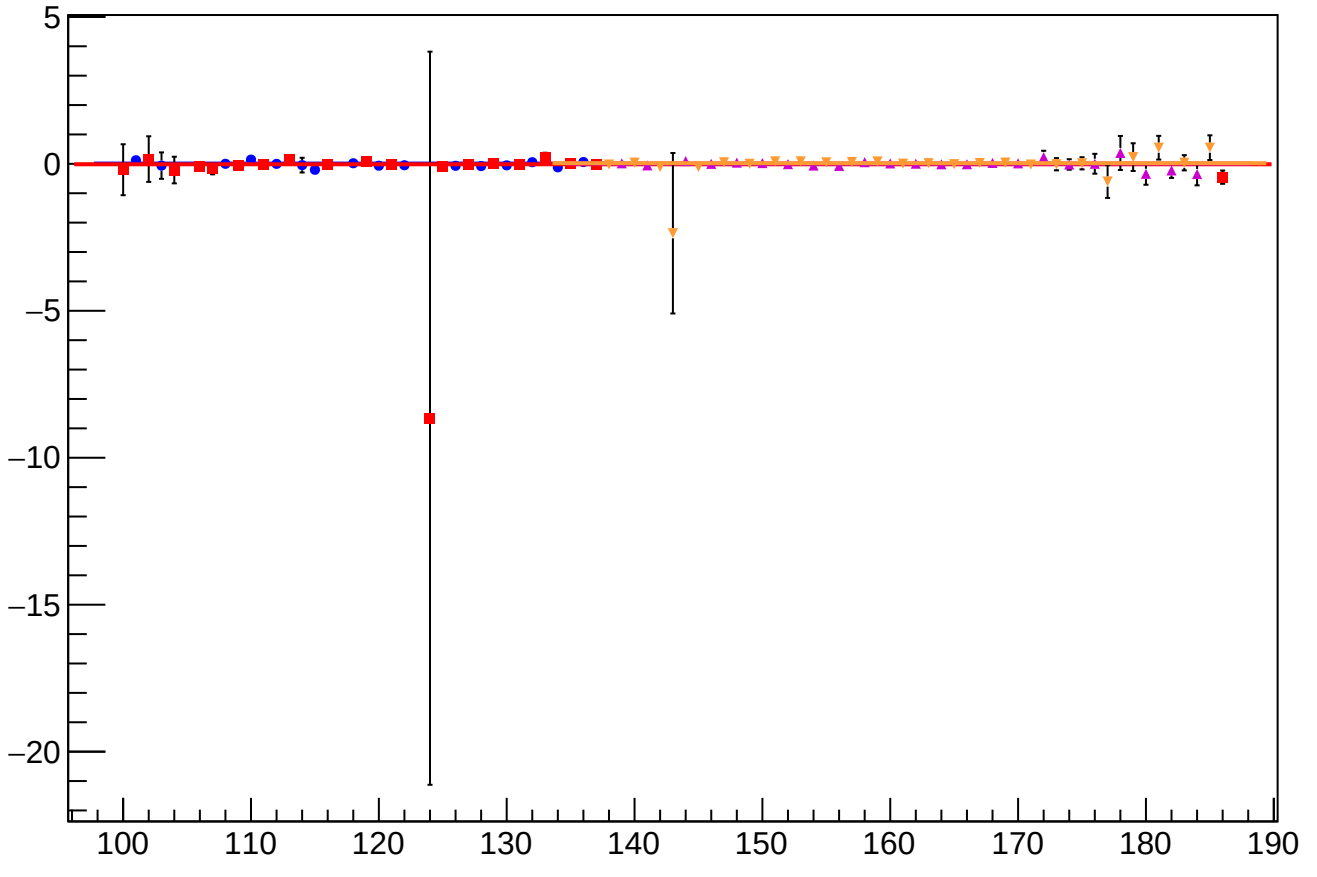
Right Out: 0.003+/-0.000 χ^2/NDF: 3821461.6/19

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 18328131.1/40

All: 0.002+/-0.000 χ^2/NDF: 34179546.9/83

- sign 0.002+/-0.000 χ^2/NDF: 15835961.0/42



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

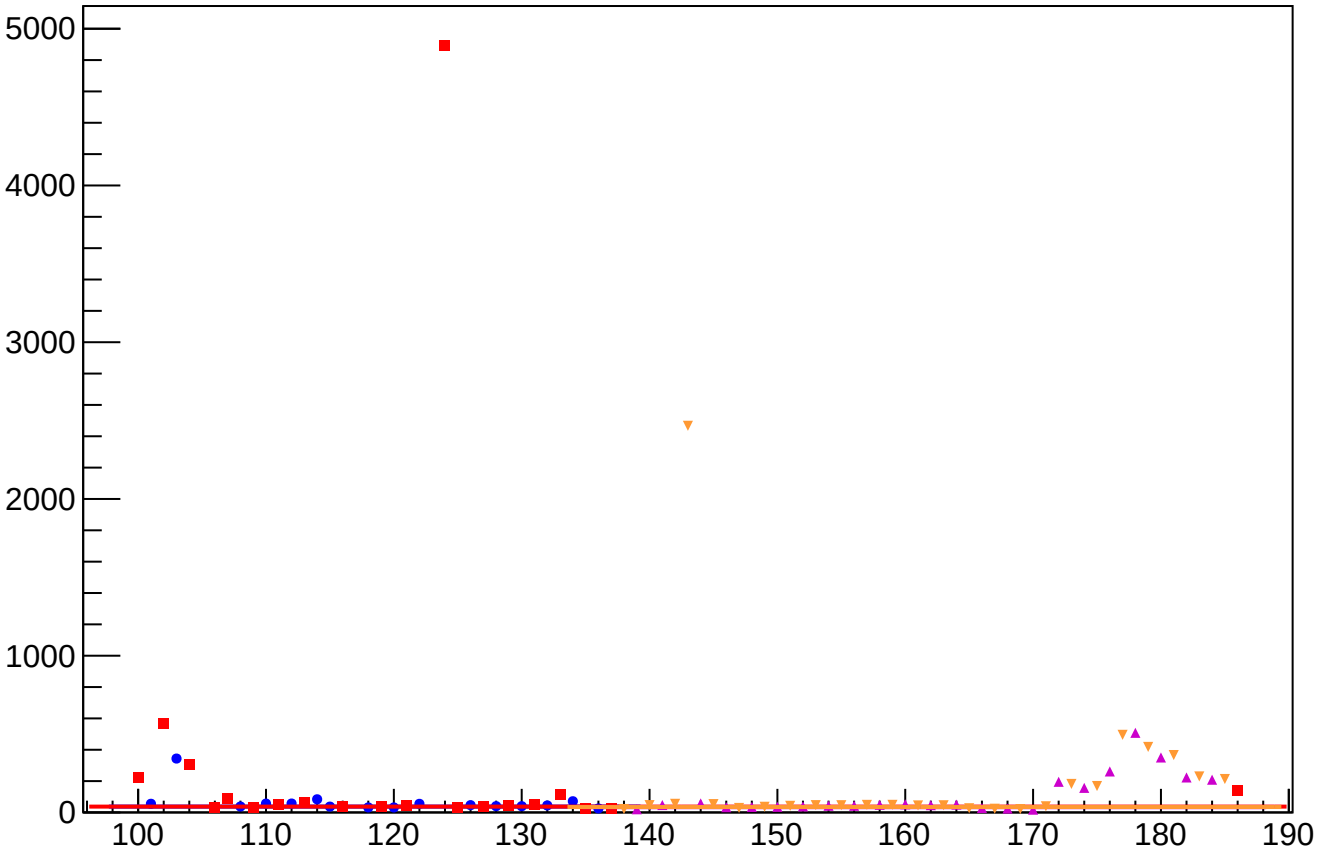
Right Out: -0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 42.7/40

All: 0.011+/-0.006 χ^2/NDF: 77.3/83

- sign 0.003+/-0.009 χ^2/NDF: 32.9/42



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

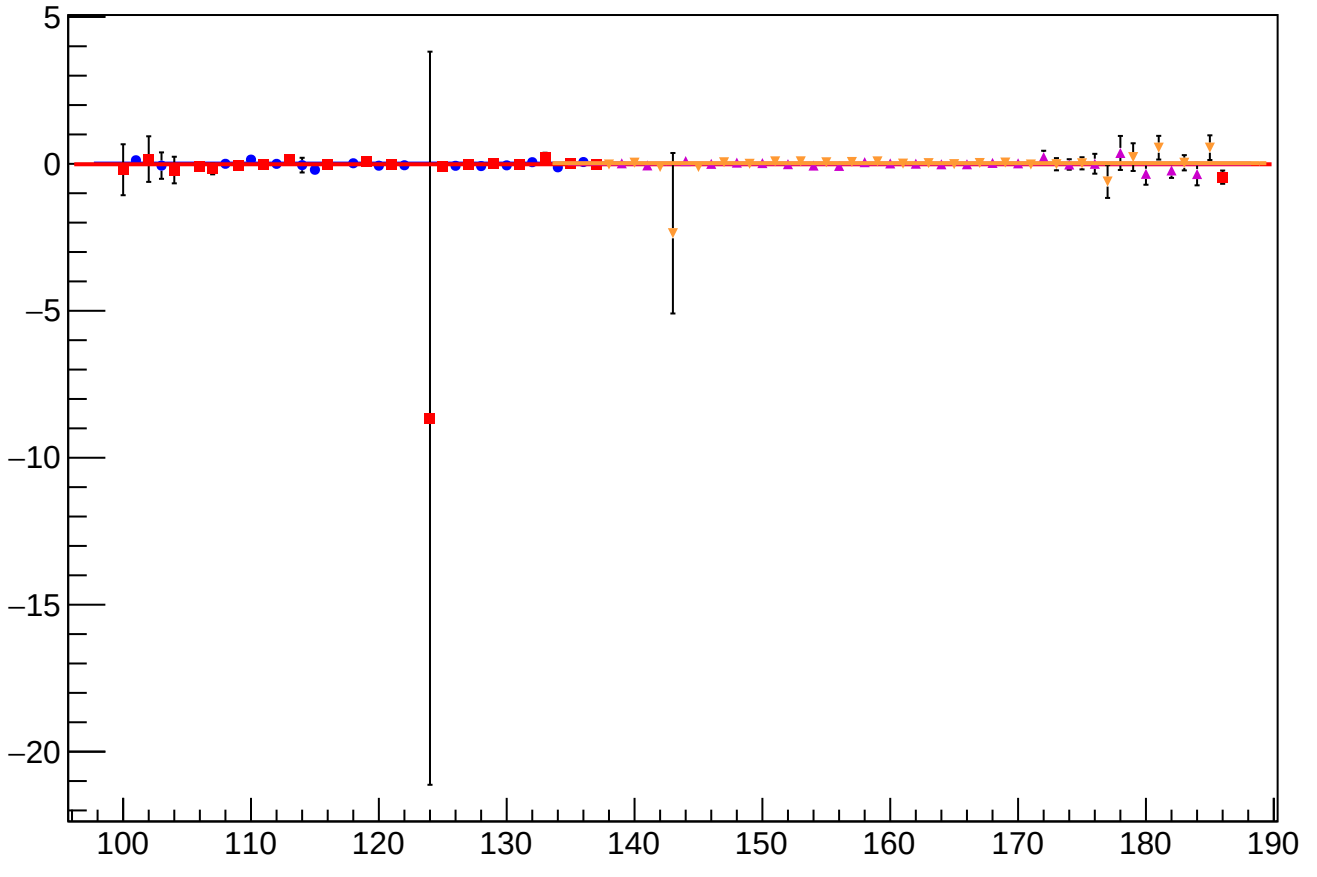
Right Out: 37.343+/-0.012 χ^2/NDF: 3631486.2/19

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.447+/-0.006 χ^2/NDF: 13431266.9/40

All: 35.012+/-0.004 χ^2/NDF: 27214284.9/83

\- sign 34.586+/-0.006 χ^2/NDF: 13772922.3/42



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.015+/-0.017 χ^2/NDF: 16.4/19

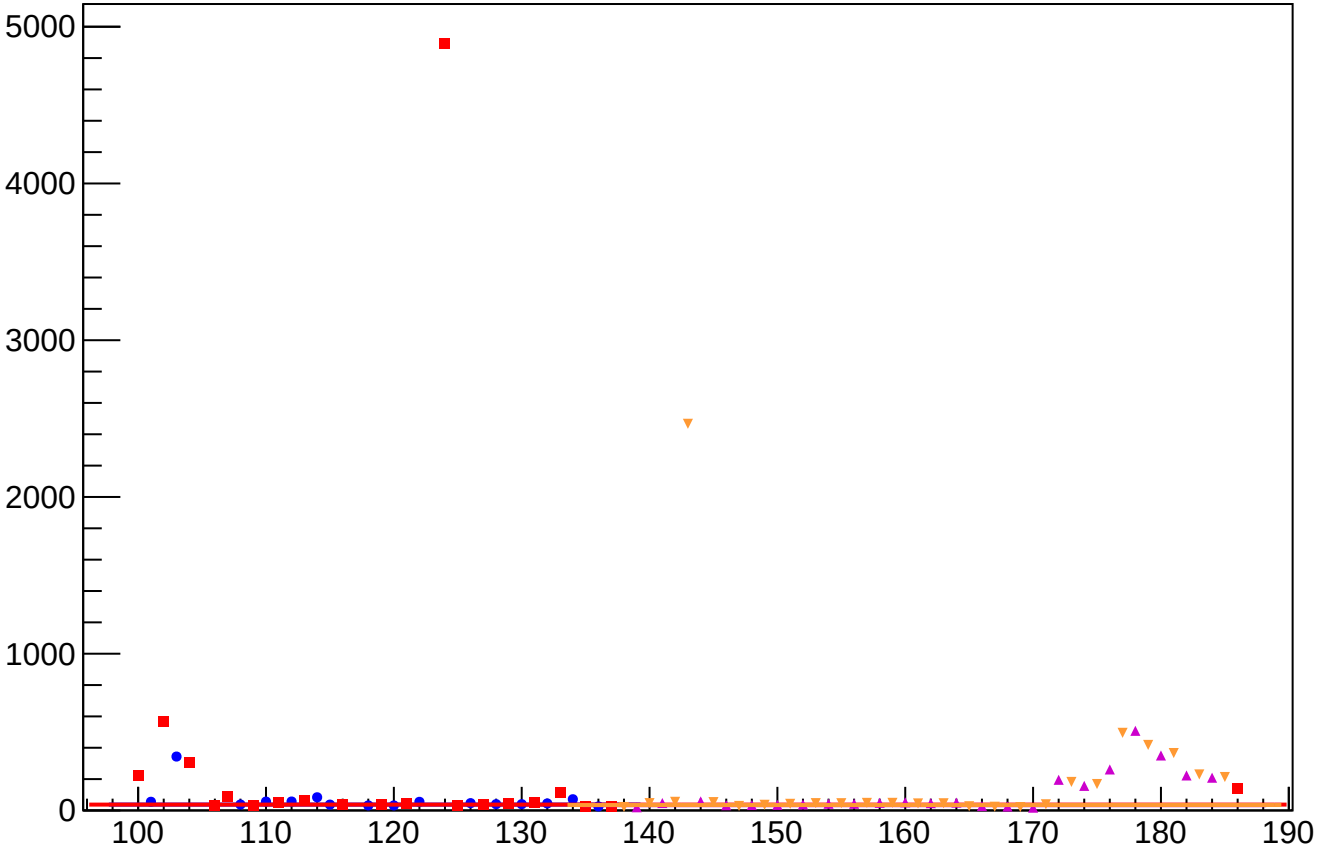
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 42.7/40

All: 0.011+/-0.006 χ^2/NDF: 77.3/83

- sign 0.003+/-0.009 χ^2/NDF: 32.9/42

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

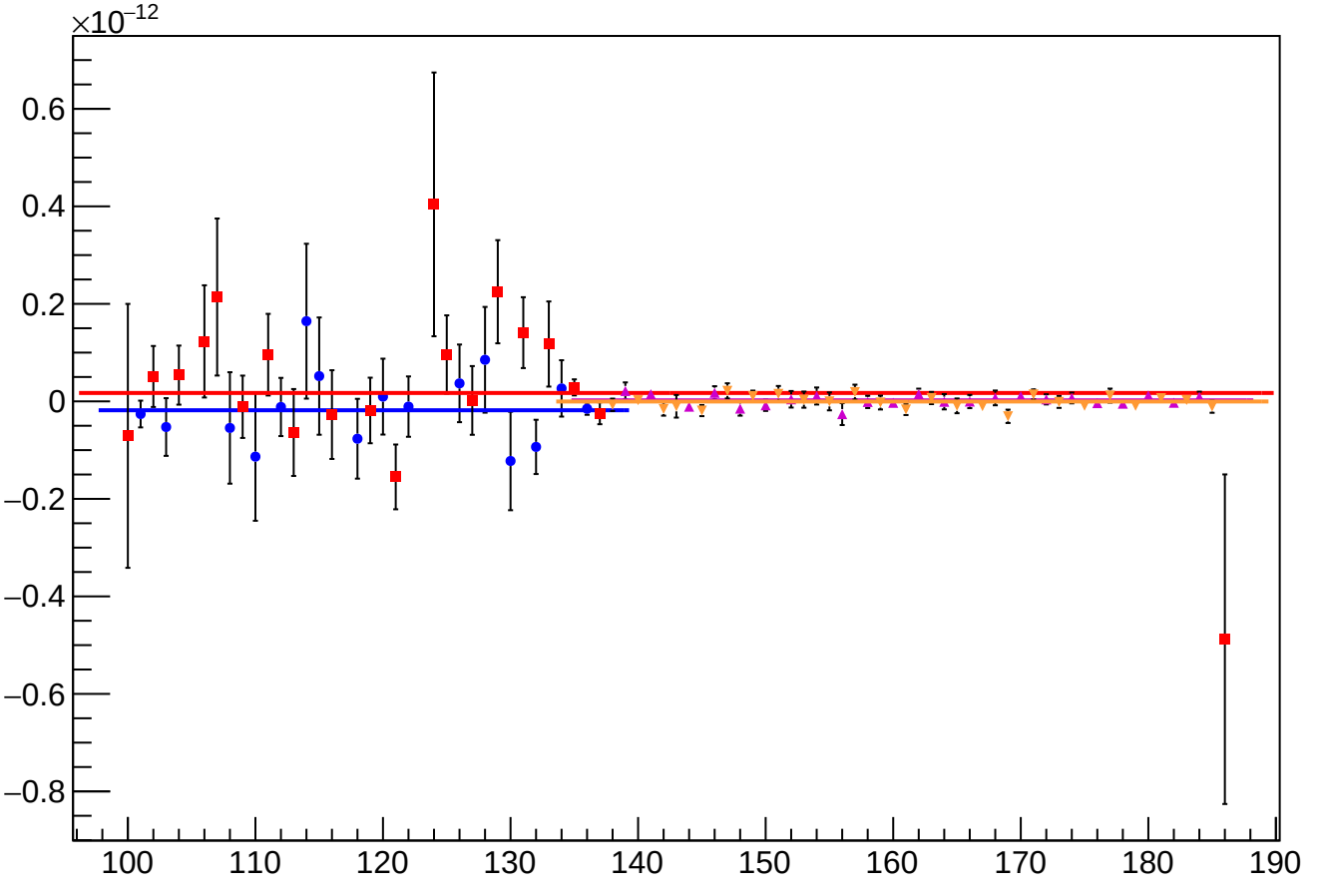
Right Out: 37.343+/-0.012 χ^2/NDF: 3631486.2/19

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.447+/-0.006 χ^2/NDF: 13431266.9/40

All: 35.012+/-0.004 χ^2/NDF: 27214284.9/83

- sign 34.586+/-0.006 χ^2/NDF: 13772922.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

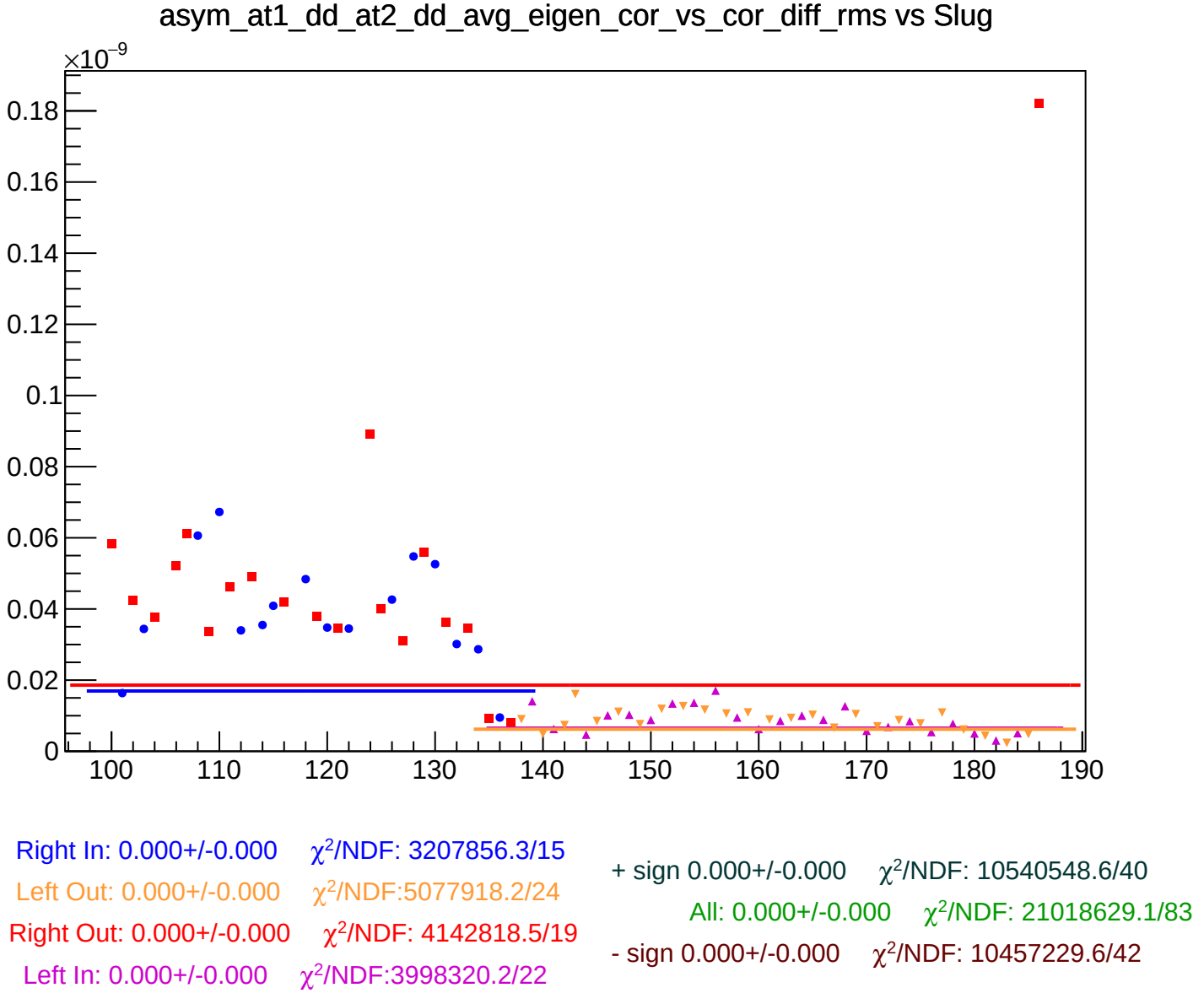
Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/19

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

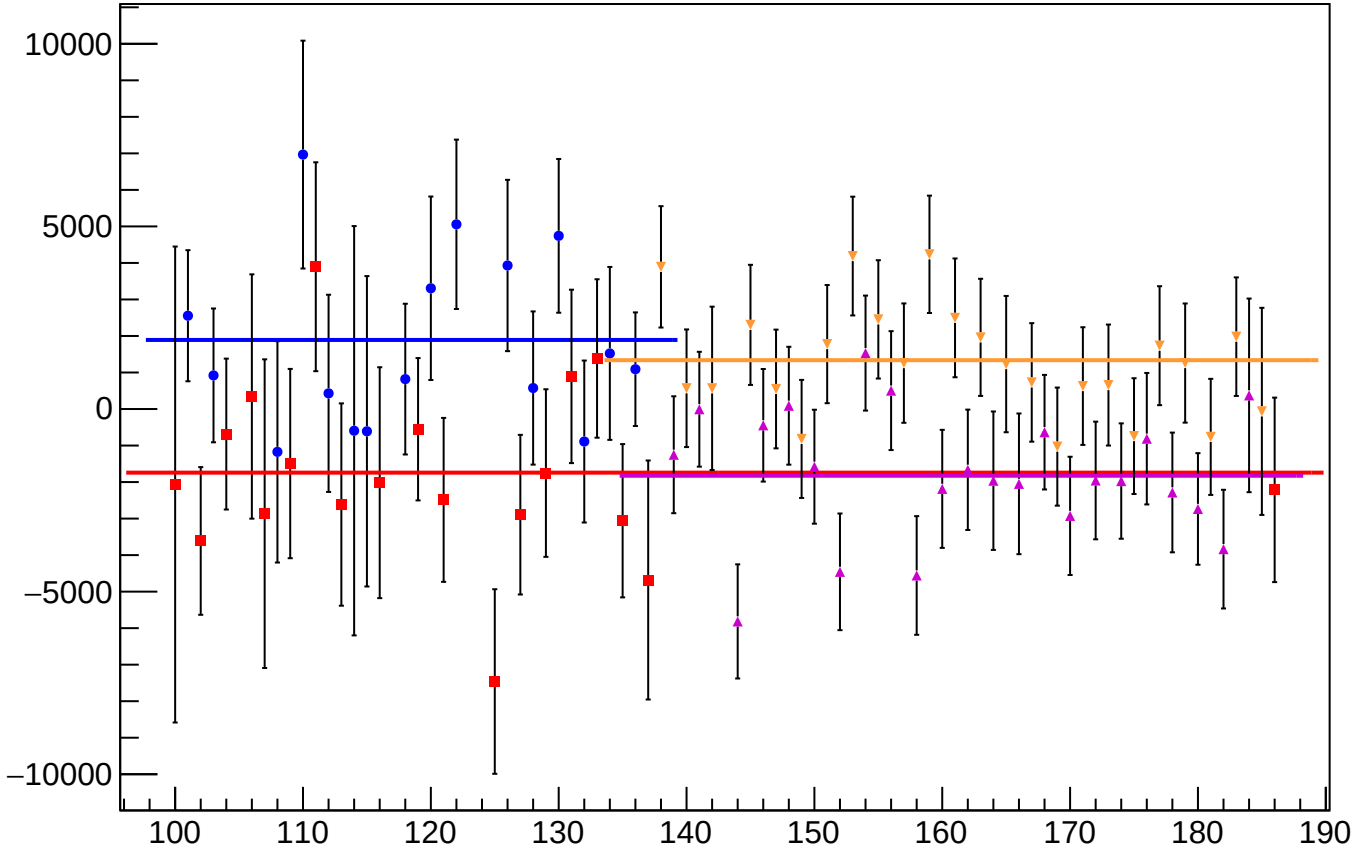
+ sign -0.000+/-0.000 χ^2/NDF: 37.5/40

All: 0.000+/-0.000 χ^2/NDF: 90.4/83

- 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: 3207856.3/15
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: 10540548.6/40
All: 0.000+/-0.000 χ²/NDF: 21018629.1/83
- sign 0.000+/-0.000 χ²/NDF: 10457229.6/42

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1741.628+/-574.088 χ^2/NDF: 16.0/18

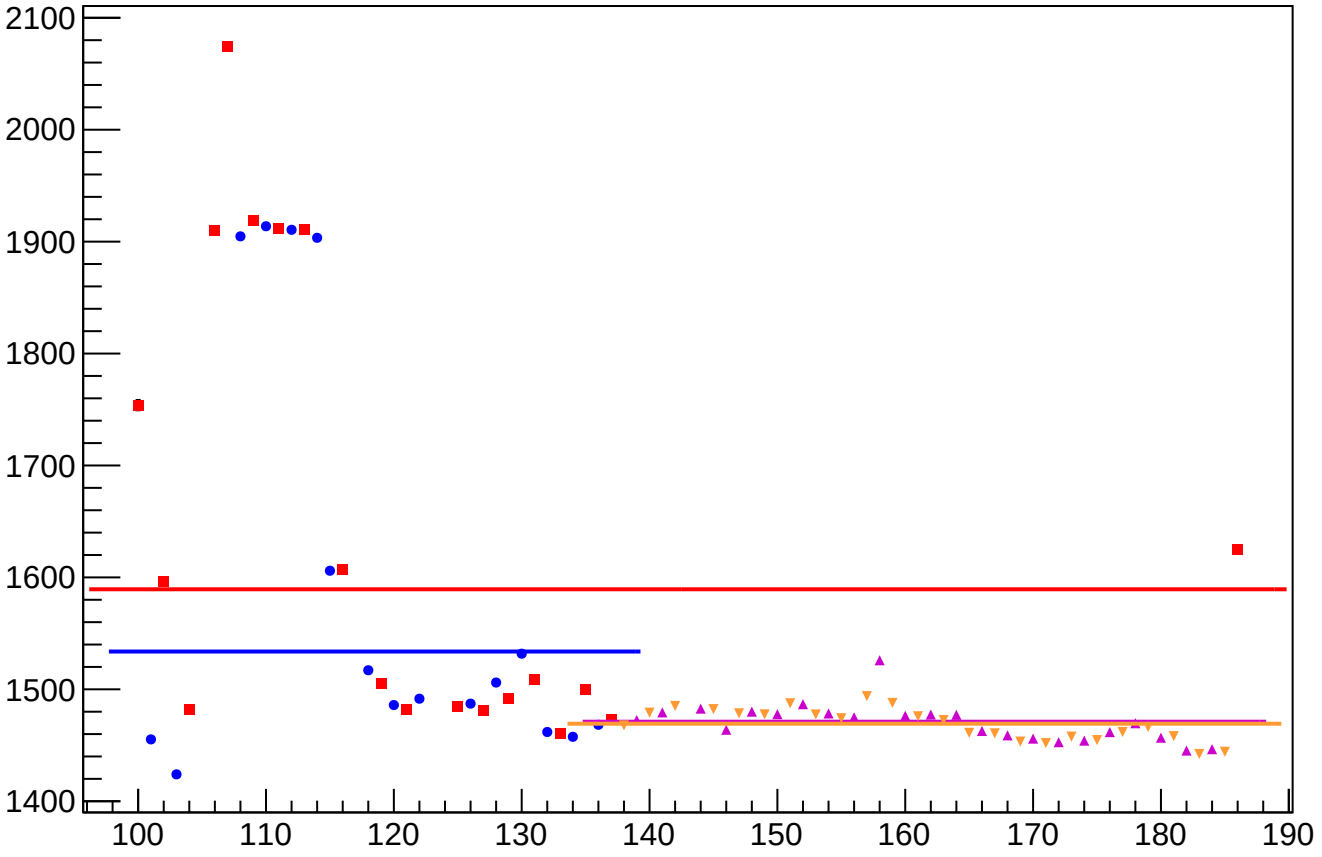
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1482.307+/-292.942 χ^2/NDF: 32.1/39

All: -150.814+/-207.779 χ^2/NDF: 137.1/81

- sign -1804.199+/-294.753 χ^2/NDF: 42.5/41

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1589.388+/-0.406 χ^2/NDF: 172401.9/18

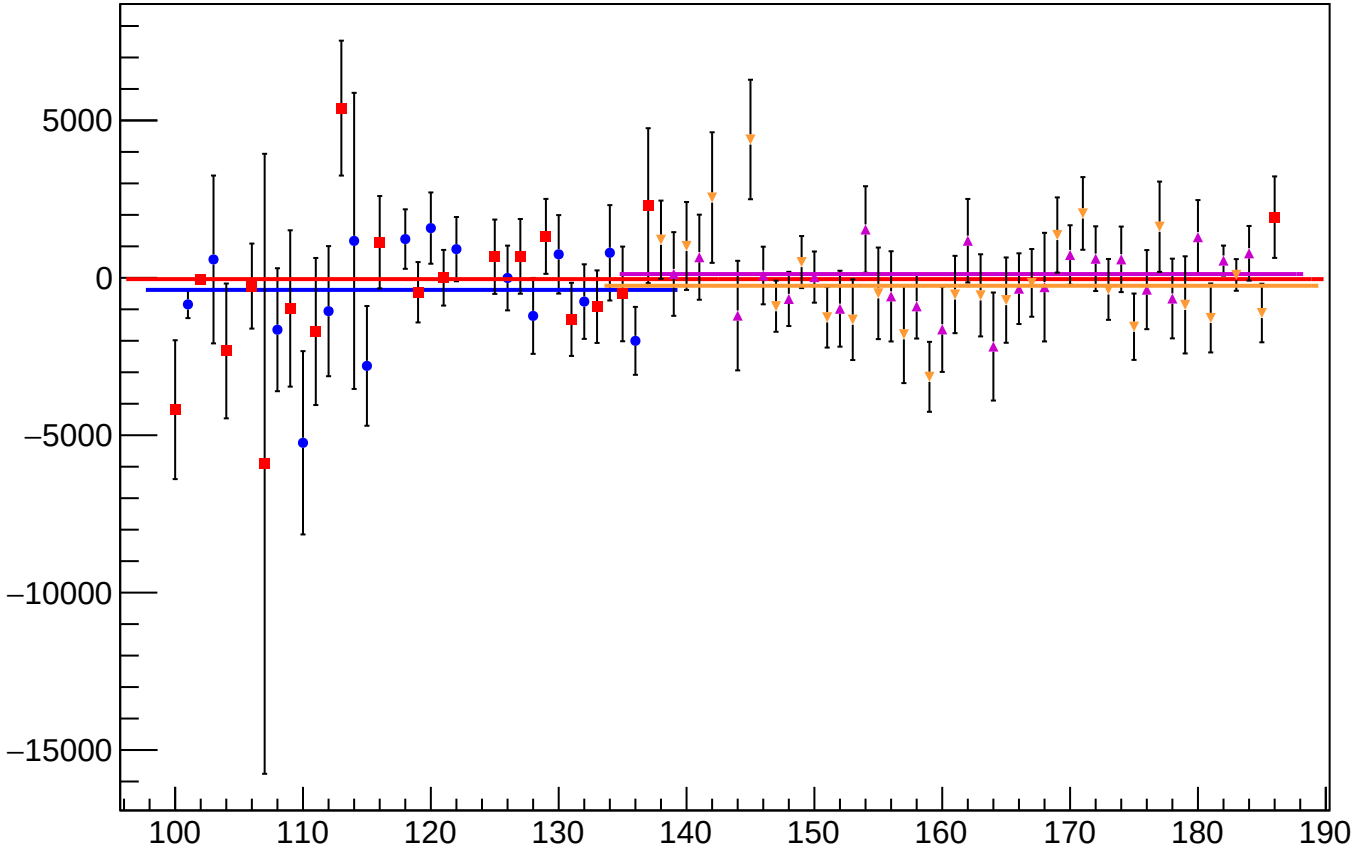
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1486.171+/-0.207 χ^2/NDF: 151179.6/39

All: 1494.160+/-0.147 χ^2/NDF: 393793.0/81

- sign 1502.248+/-0.208 χ^2/NDF: 239619.8/41

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -40.812+/-127.084 χ^2/NDF: 20.1/18

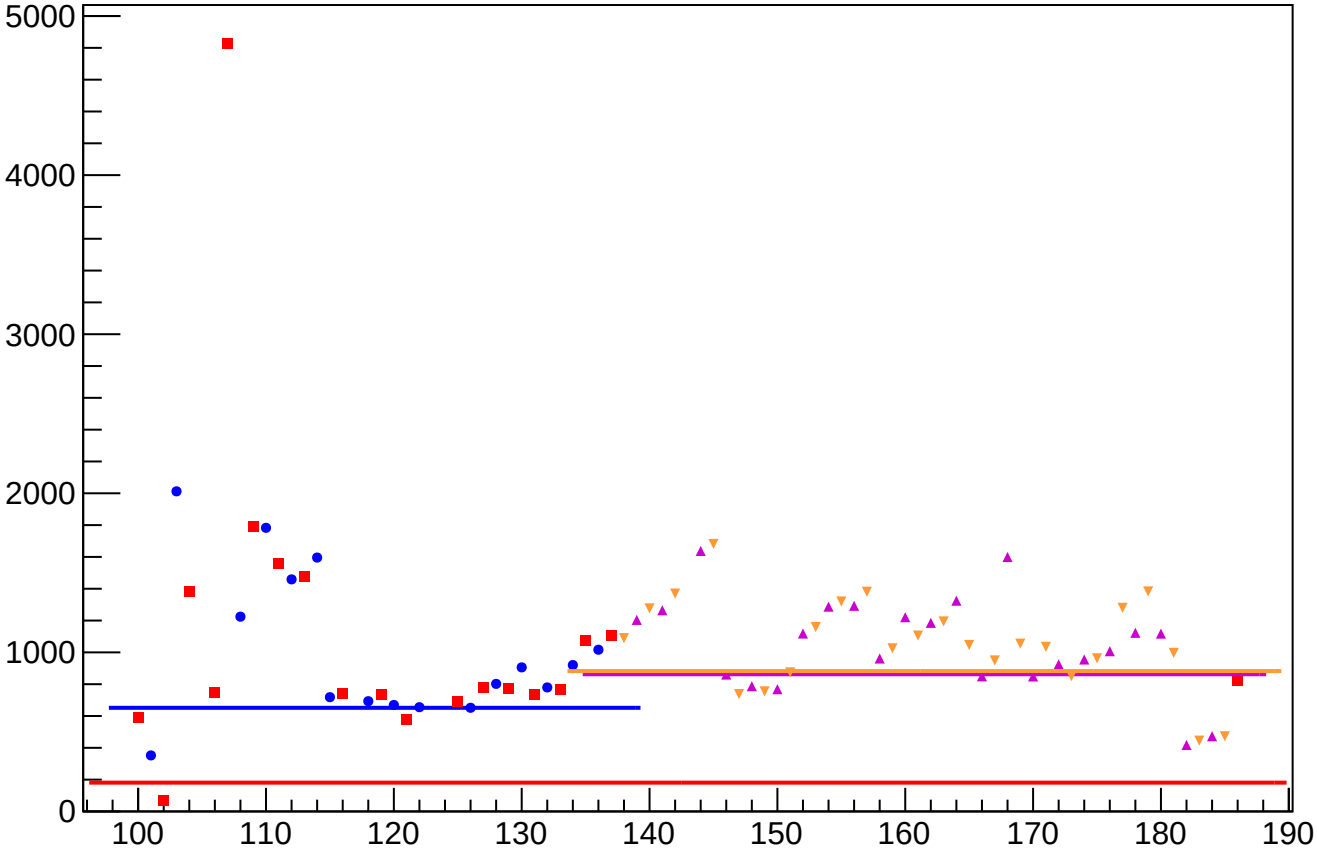
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -302.974+/-170.334 χ^2/NDF: 51.0/39

All: -88.277+/-92.126 χ^2/NDF: 86.6/81

- sign 0.496+/-109.529 χ^2/NDF: 33.3/41

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 181.174+/-0.090 χ^2/NDF: 10262438.1/18

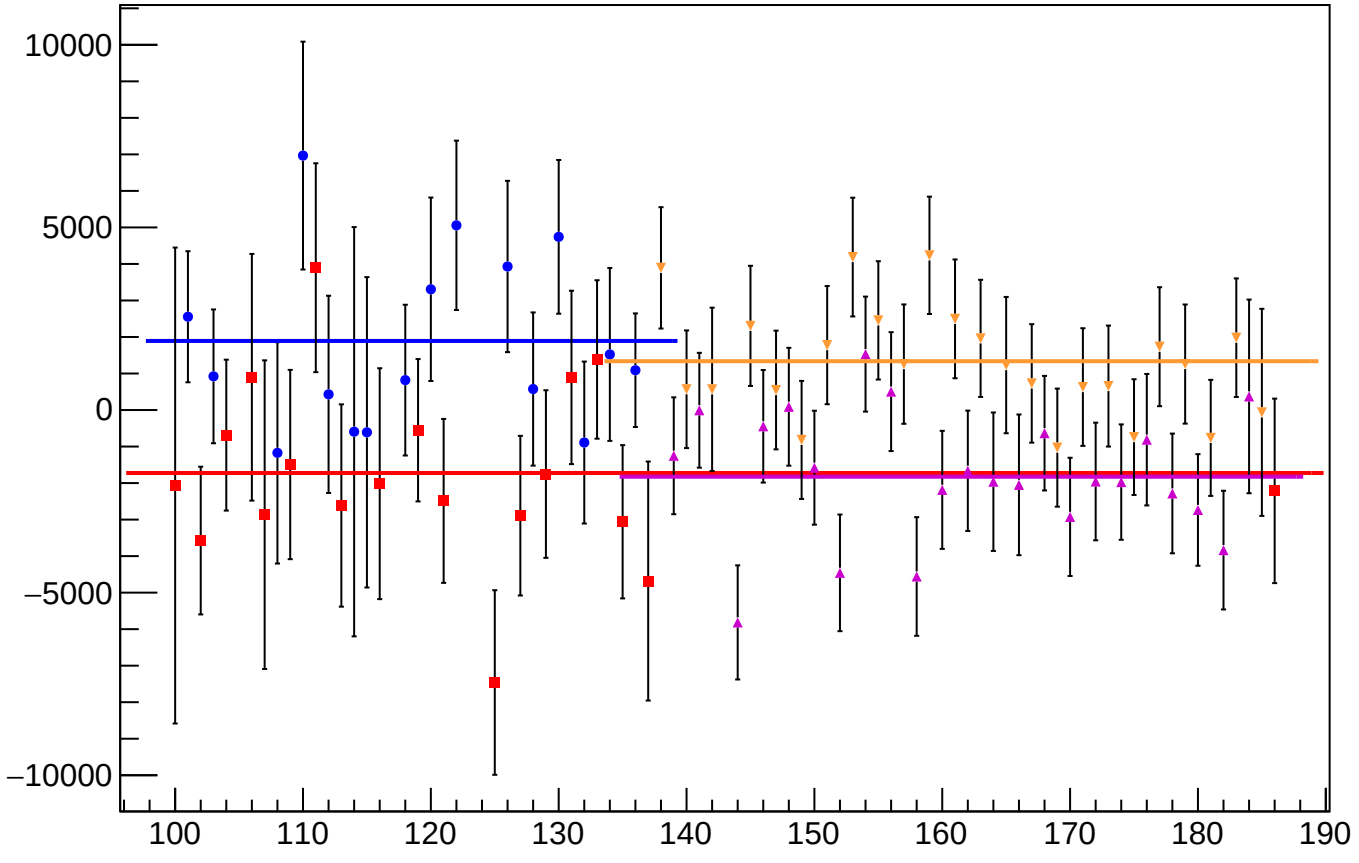
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 792.016+/-0.120 χ^2/NDF: 7539562.7/39

All: 483.795+/-0.065 χ^2/NDF: 46203734.5/81

- sign 356.351+/-0.077 χ^2/NDF: 29407739.8/41

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1723.683+/-574.255 χ^2/NDF: 16.2/18

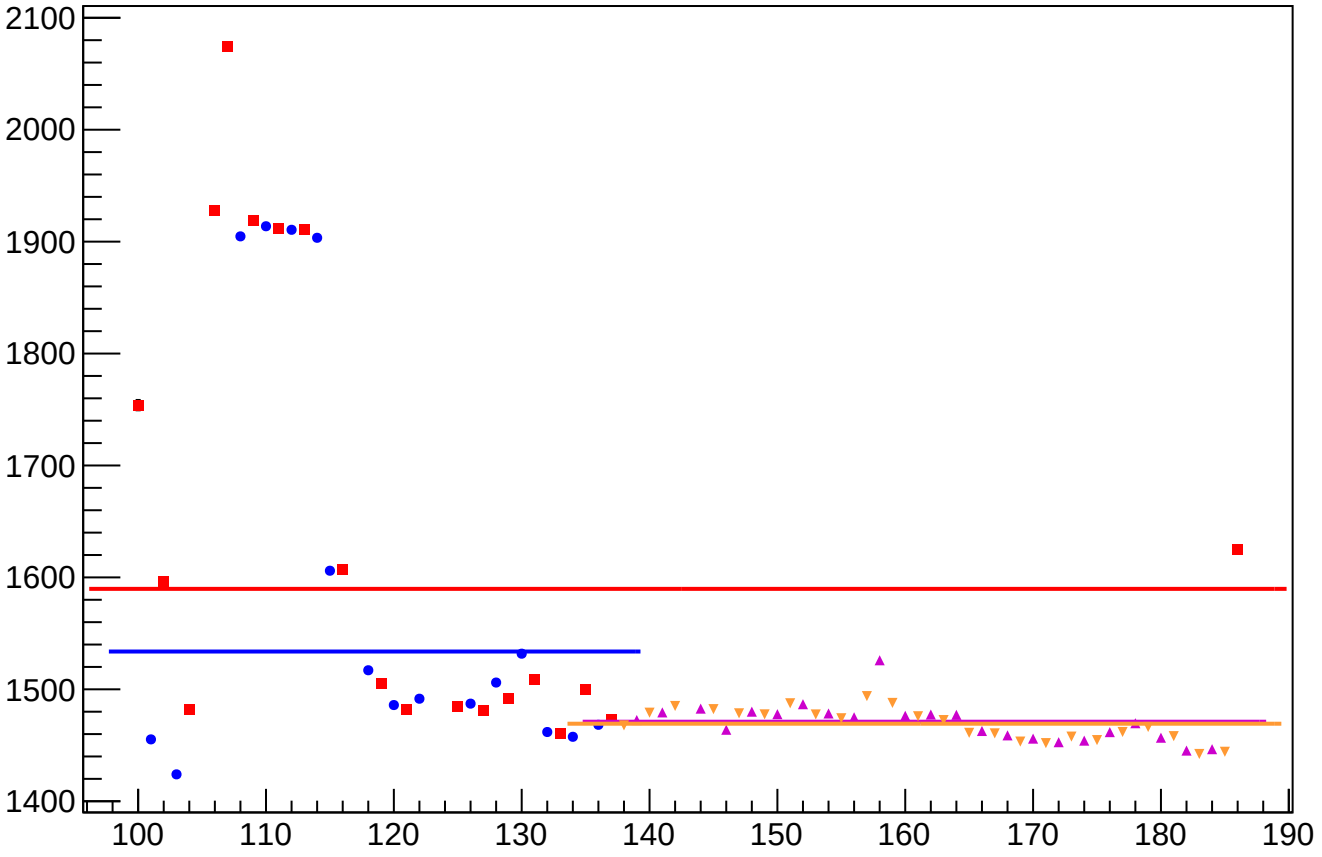
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1482.341+/-292.942 χ^2/NDF: 32.1/39

All: -148.342+/-207.787 χ^2/NDF: 137.2/81

- sign -1799.514+/-294.776 χ^2/NDF: 42.7/41

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1589.755+/-0.406 χ^2/NDF: 174172.0/18

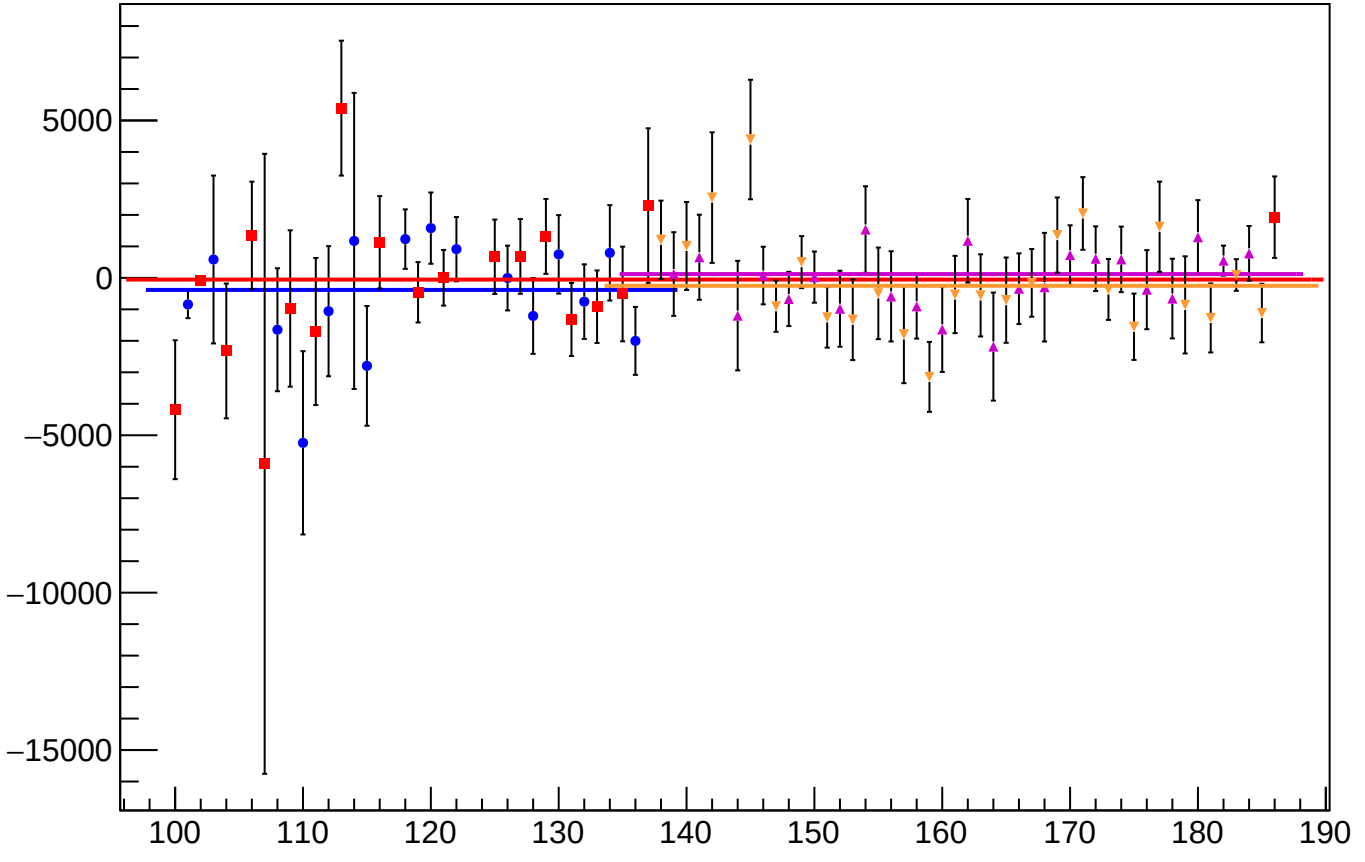
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1486.171+/-0.207 χ^2/NDF: 151179.5/39

All: 1494.200+/-0.147 χ^2/NDF: 395954.6/81

- sign 1502.331+/-0.208 χ^2/NDF: 241750.8/41

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -54.182+/-137.357 χ^2/NDF: 20.9/18

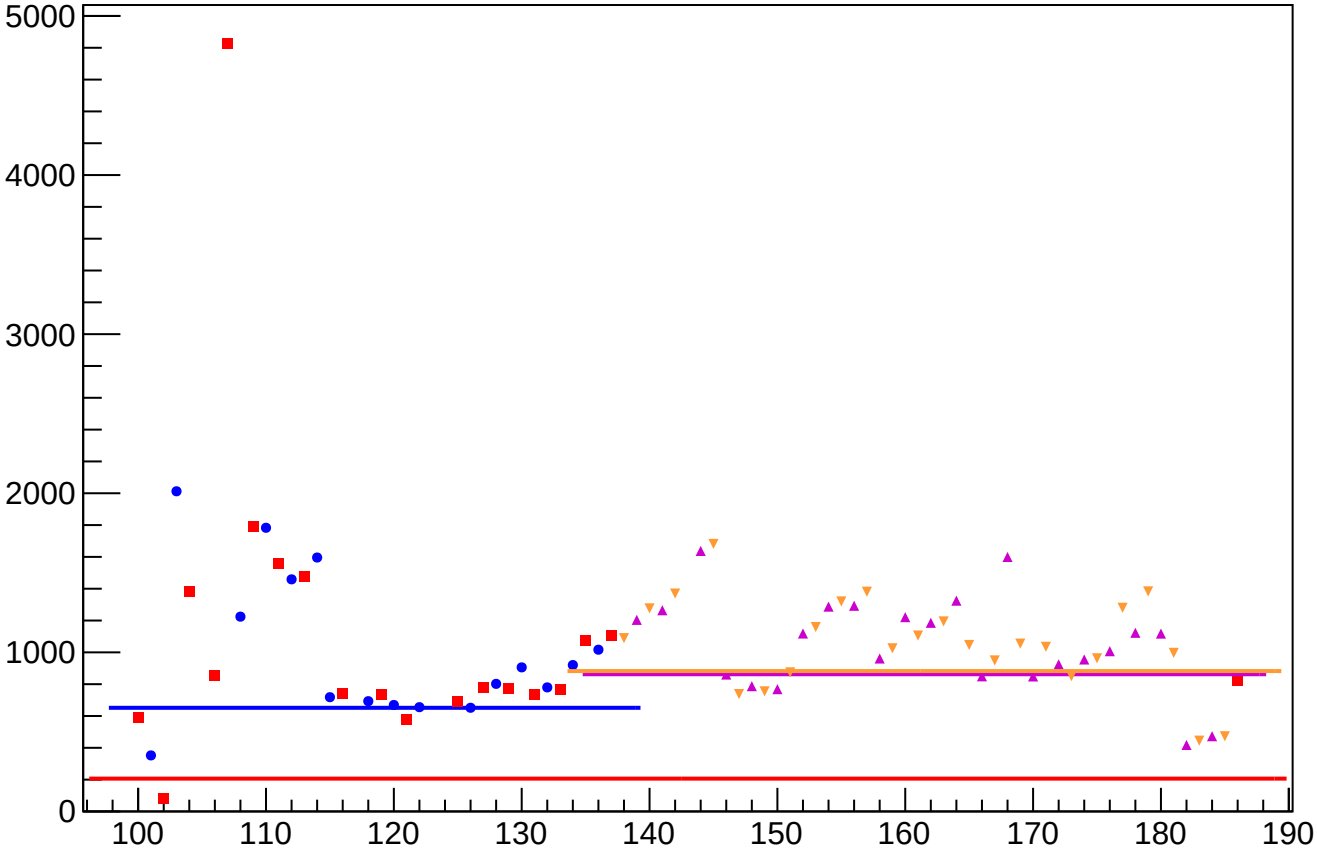
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -302.950+/-170.333 χ^2/NDF: 51.0/39

All: -98.655+/-95.823 χ^2/NDF: 87.3/81

- sign -4.063+/-115.903 χ^2/NDF: 34.1/41

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 206.400+/-0.097 χ^2/NDF: 9748320.9/18

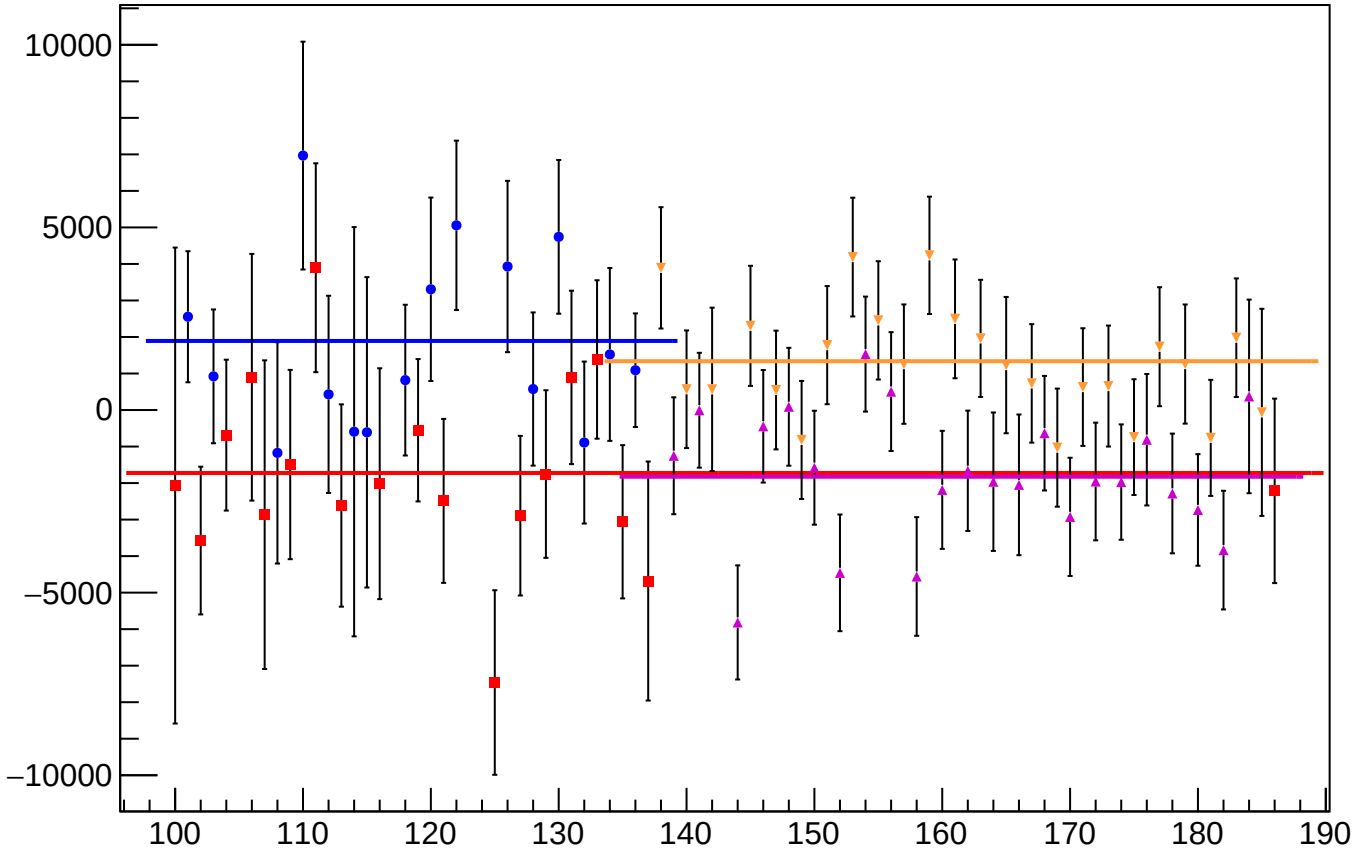
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 792.010+/-0.120 χ^2/NDF: 7539862.8/39

All: 520.846+/-0.068 χ^2/NDF: 42206697.9/81

- sign 395.294+/-0.082 χ^2/NDF: 27251269.5/41

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1723.683+/-574.255 χ^2/NDF: 16.2/18

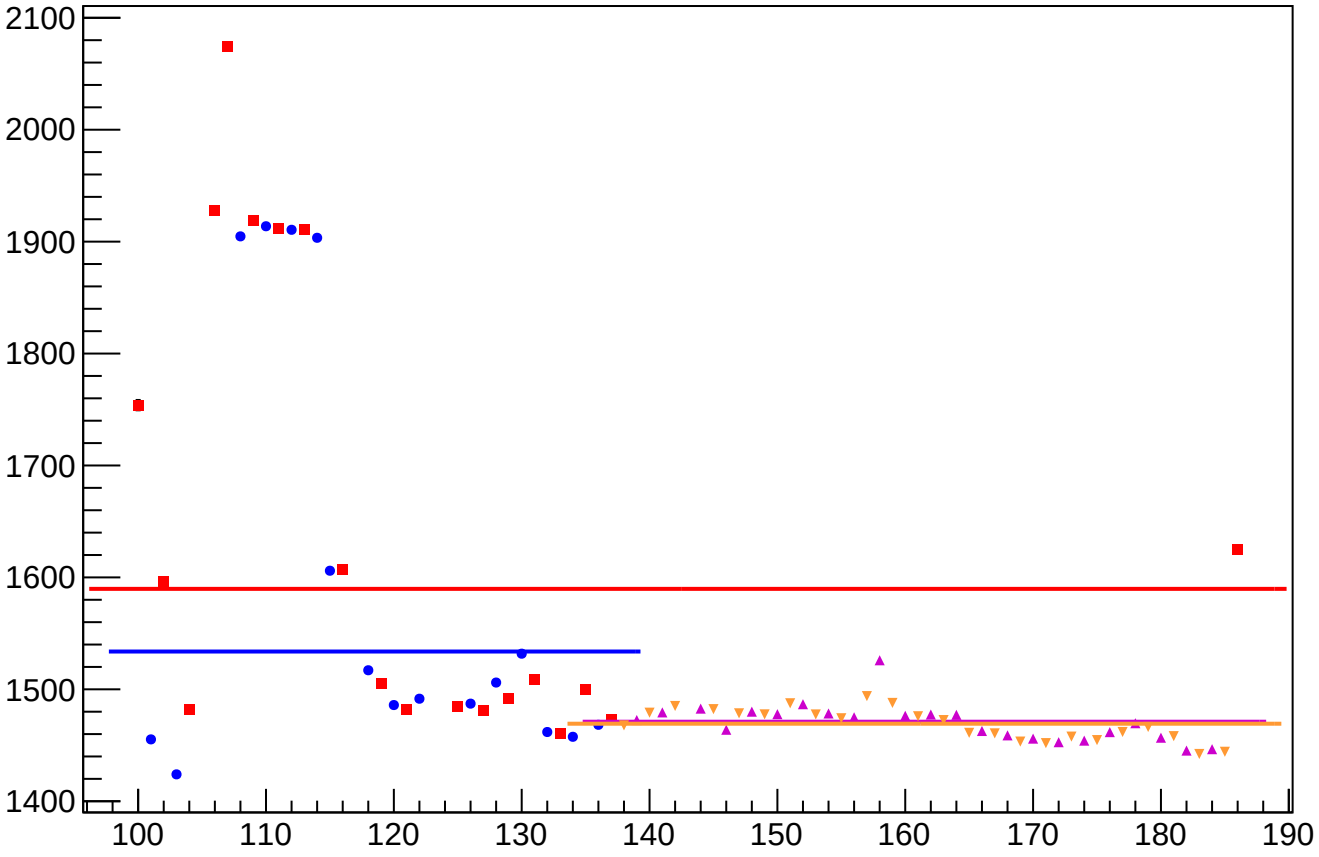
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1482.341+/-292.942 χ^2/NDF: 32.1/39

All: -148.342+/-207.787 χ^2/NDF: 137.2/81

- sign -1799.514+/-294.776 χ^2/NDF: 42.7/41

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

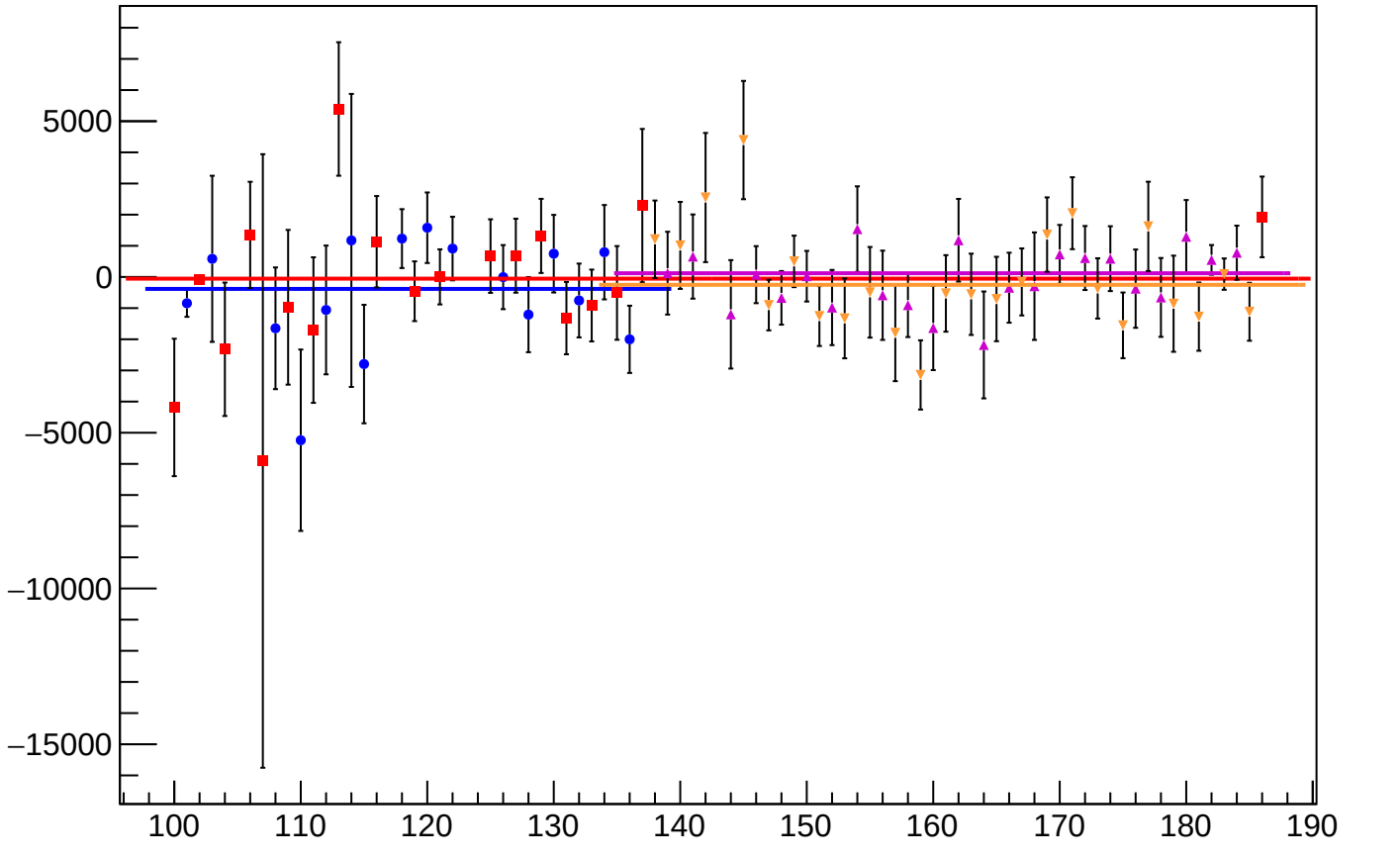
Right Out: 1589.755+/-0.406 χ^2/NDF: 174172.0/18

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1486.171+/-0.207 χ^2/NDF: 151179.5/39

All: 1494.200+/-0.147 χ^2/NDF: 395954.6/81

- sign 1502.331+/-0.208 χ^2/NDF: 241750.8/41



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -54.182+/-137.357 χ^2/NDF: 20.9/18

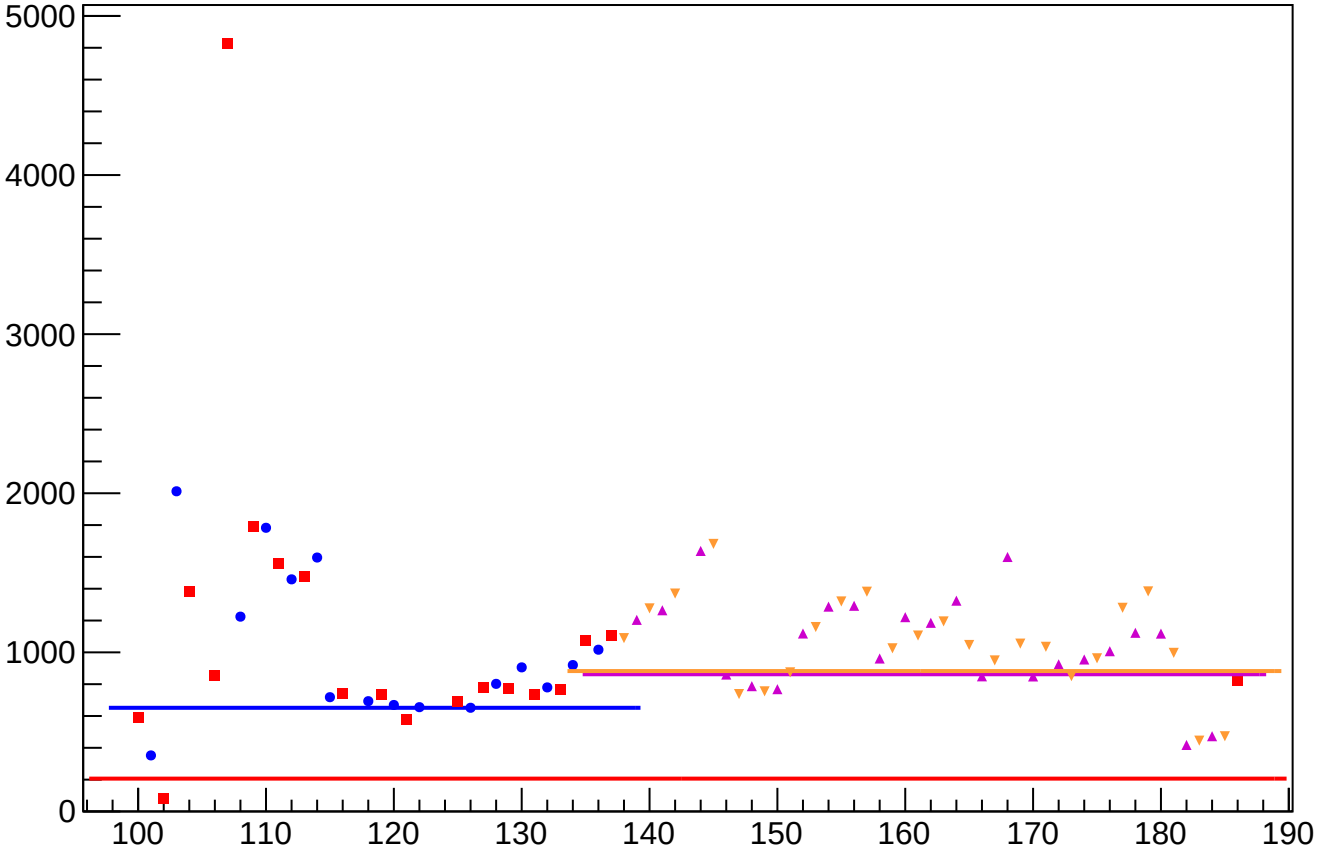
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -302.950+/-170.333 χ^2/NDF: 51.0/39

All: -98.655+/-95.823 χ^2/NDF: 87.3/81

- sign -4.063+/-115.903 χ^2/NDF: 34.1/41

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 206.400+/-0.097 χ^2/NDF: 9748320.9/18

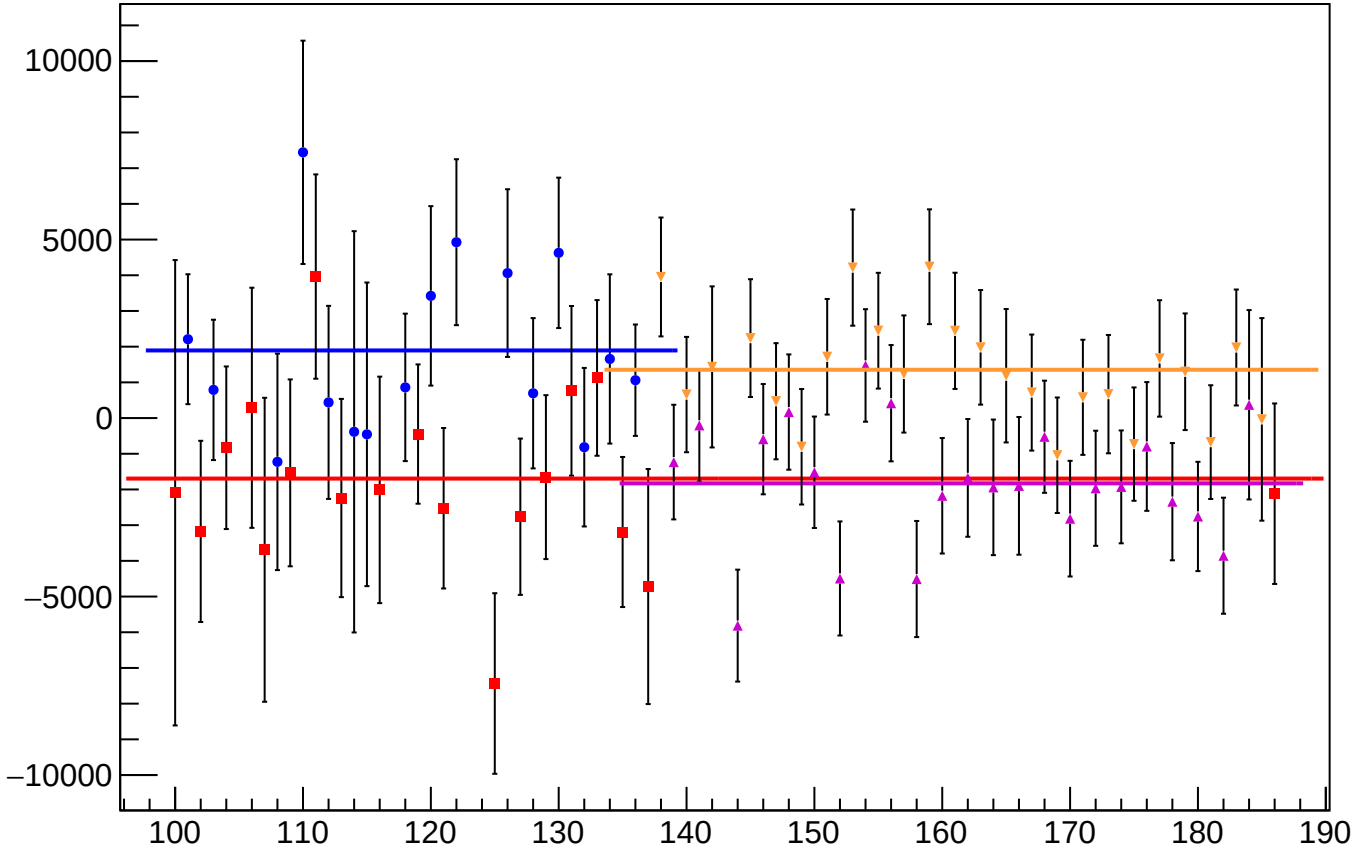
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 792.010+/-0.120 χ^2/NDF: 7539862.8/39

All: 520.846+/-0.068 χ^2/NDF: 42206697.9/81

- sign 395.294+/-0.082 χ^2/NDF: 27251269.5/41

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1695.189+/-588.239 χ^2/NDF: 15.1/18

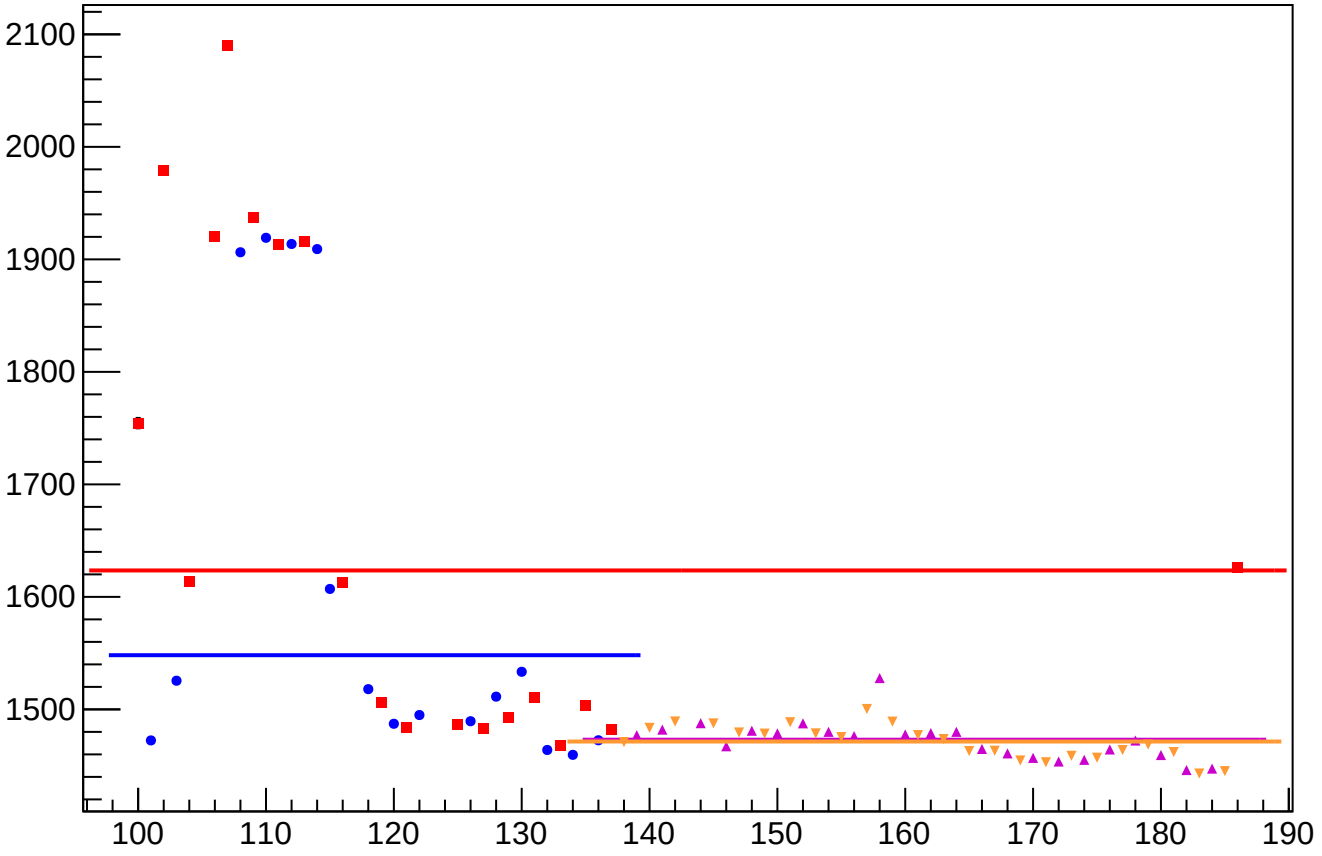
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1493.714+/-294.012 χ^2/NDF: 31.9/39

All: -134.139+/-208.919 χ^2/NDF: 134.7/81

- sign -1794.348+/-296.920 χ^2/NDF: 40.9/41

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1623.496+/-0.416 χ^2/NDF: 211536.8/18

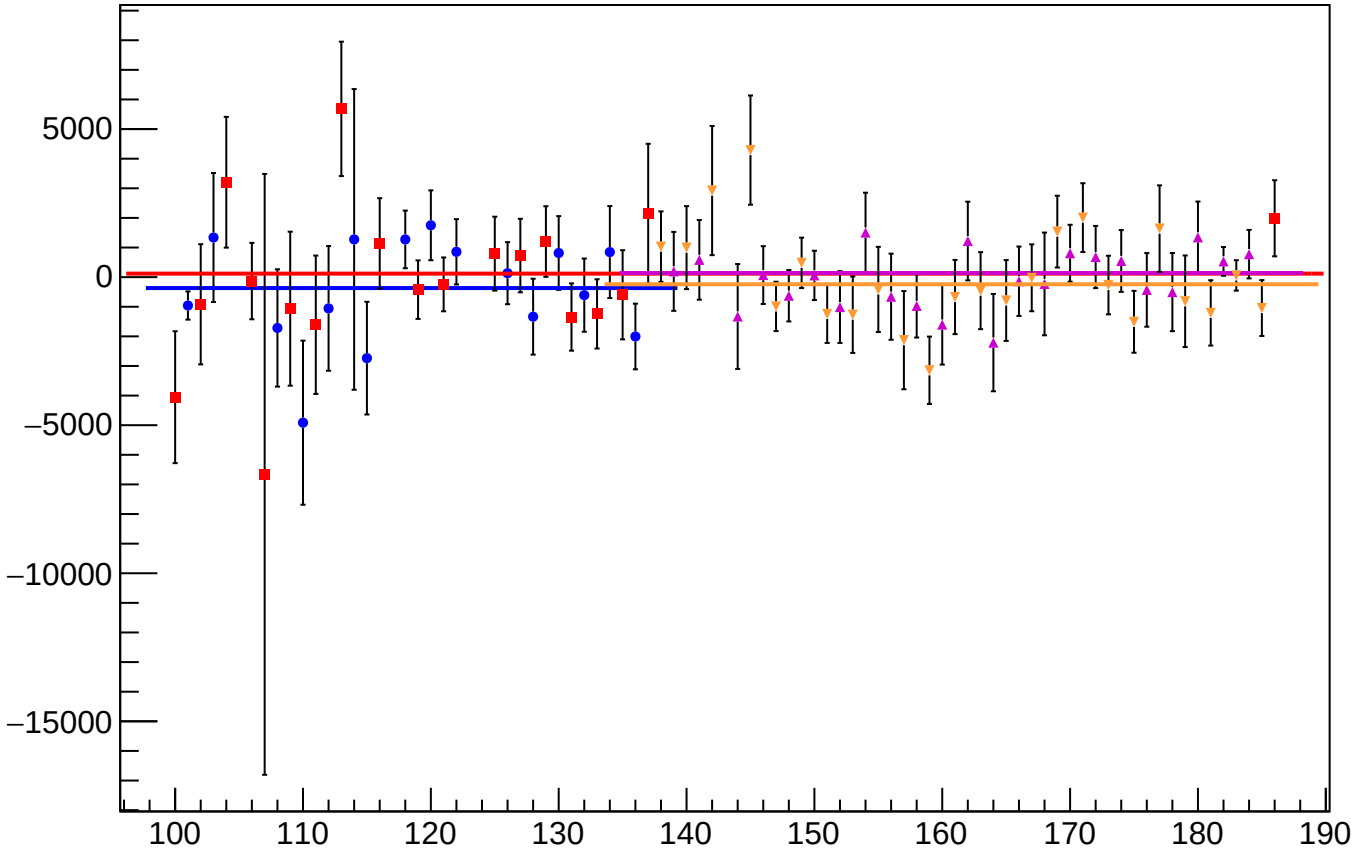
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1491.318+/-0.208 χ^2/NDF: 149494.7/39

All: 1501.250+/-0.148 χ^2/NDF: 467886.5/81

- sign 1511.380+/-0.210 χ^2/NDF: 313781.4/41

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 118.443+/-330.098 χ^2/NDF: 21.3/18

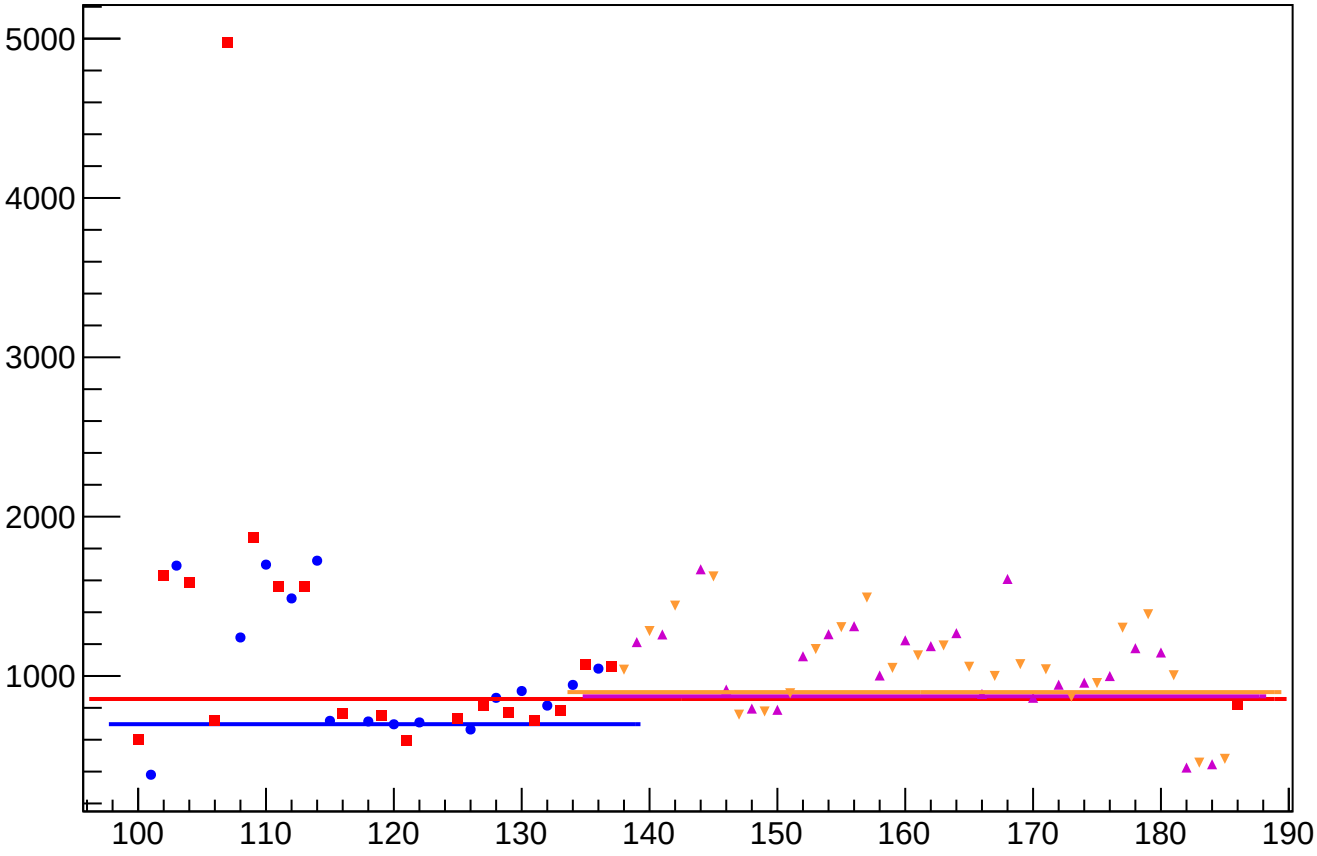
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -288.380+/-175.396 χ^2/NDF: 51.5/39

All: -86.011+/-126.357 χ^2/NDF: 88.5/81

- sign 132.335+/-182.188 χ^2/NDF: 34.3/41

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 855.641+/-0.233 χ^2/NDF: 1883727.8/18

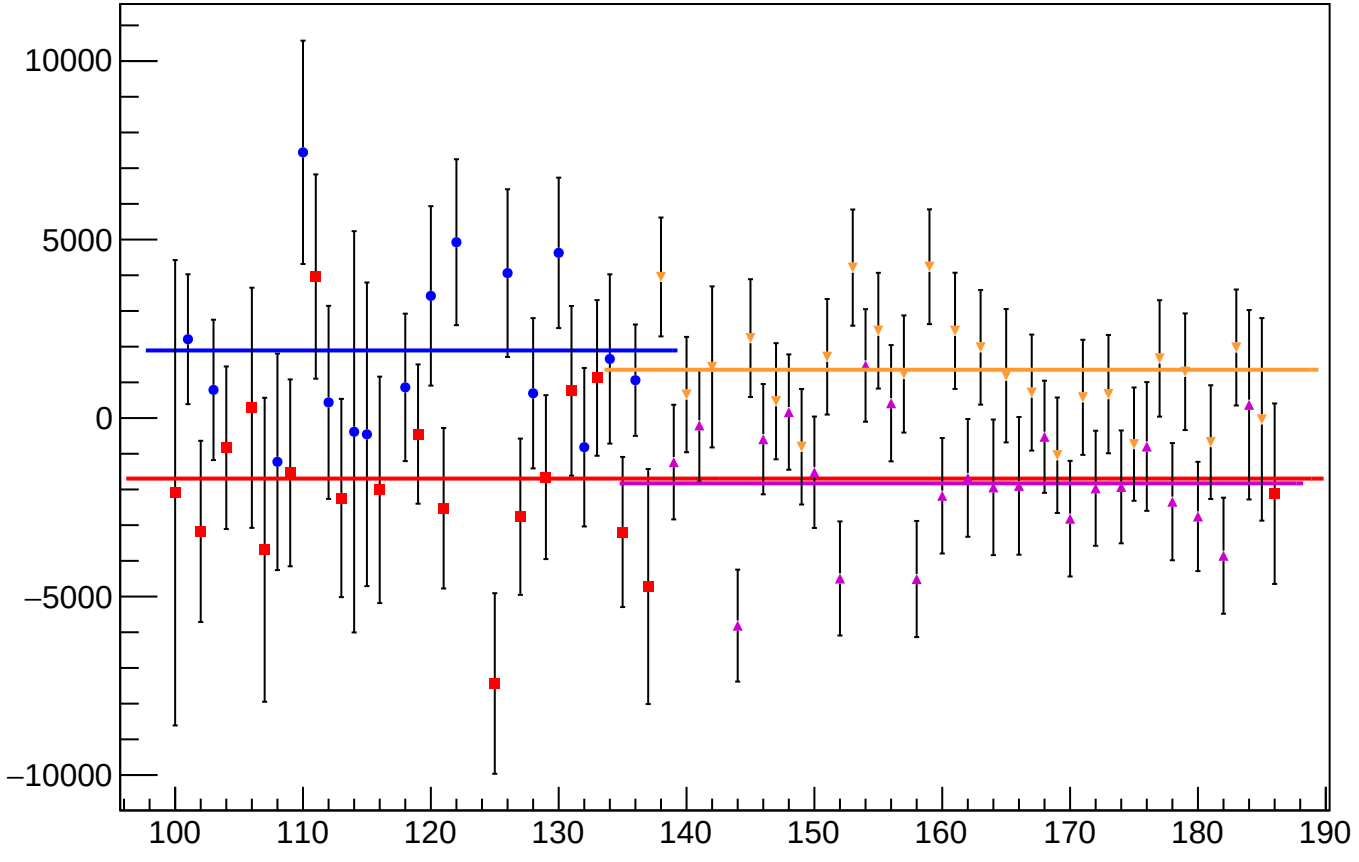
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 823.432+/-0.124 χ^2/NDF: 6844492.1/39

All: 844.555+/-0.089 χ^2/NDF: 13227655.6/81

- sign 867.345+/-0.129 χ^2/NDF: 6322859.7/41

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1695.187+/-588.239 χ^2/NDF: 15.1/18

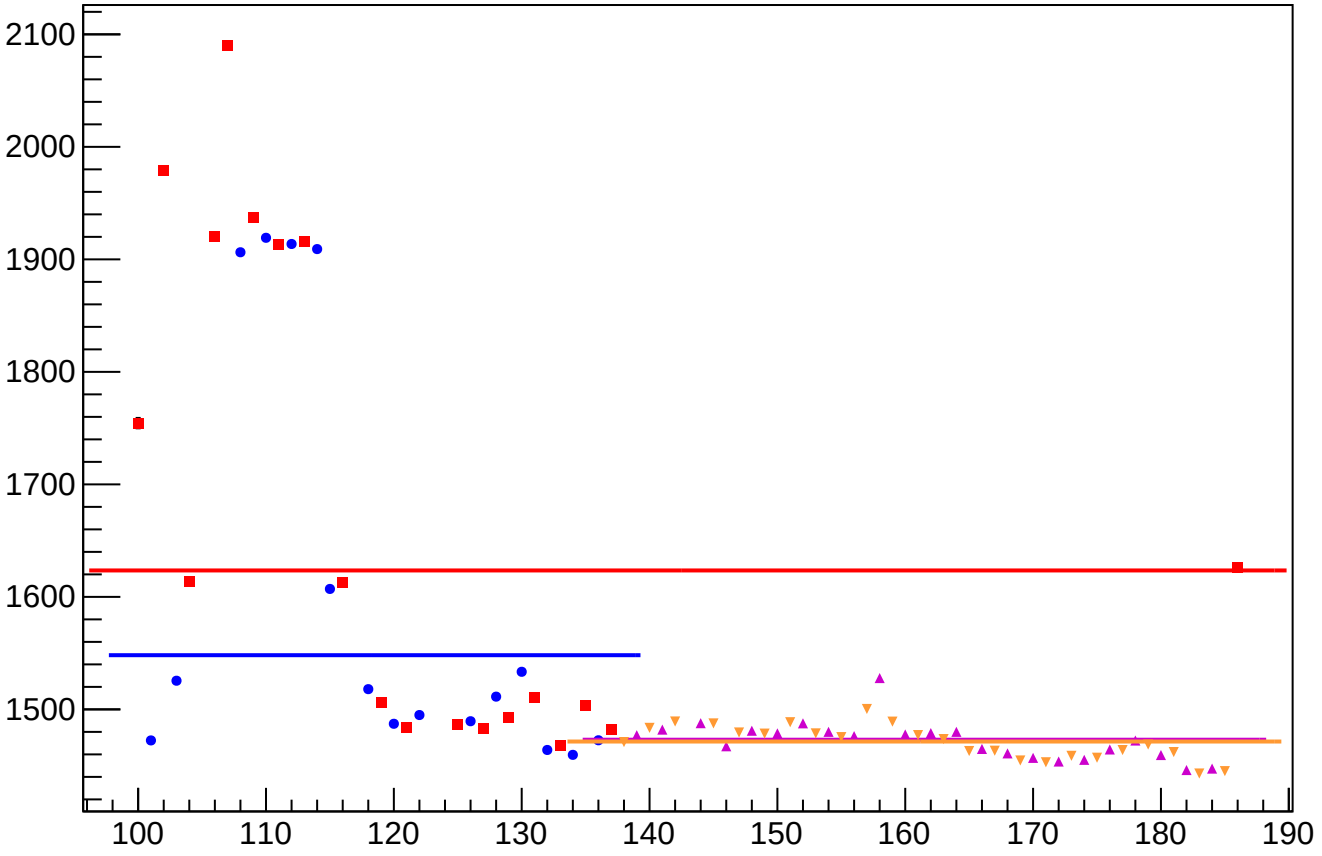
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1493.712+/-294.012 χ^2/NDF: 31.9/39

All: -134.139+/-208.919 χ^2/NDF: 134.7/81

- sign -1794.348+/-296.920 χ^2/NDF: 40.9/41

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

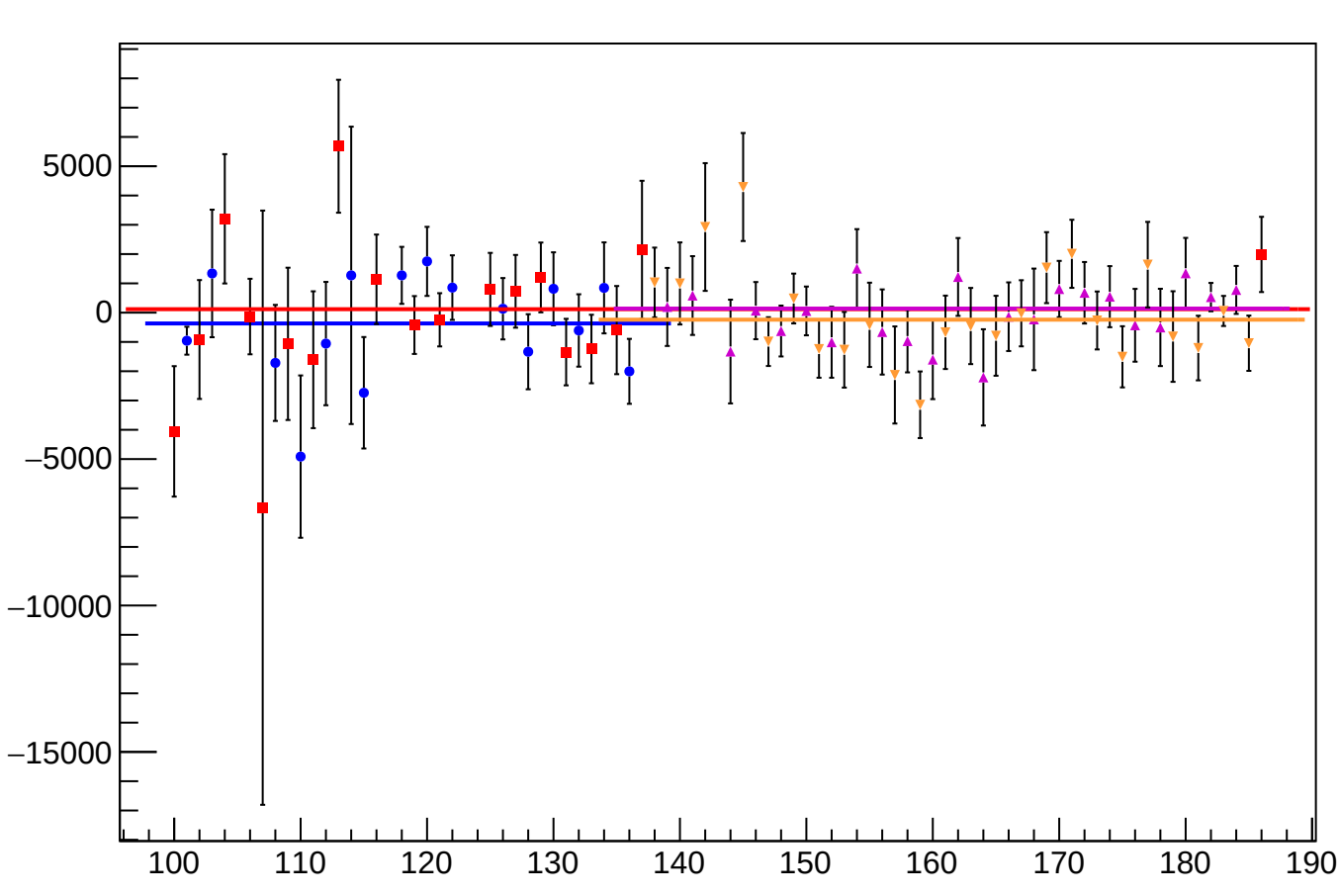
Right Out: 1623.496+/-0.416 χ^2/NDF: 211536.6/18

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1491.318+/-0.208 χ^2/NDF: 149494.6/39

All: 1501.250+/-0.148 χ^2/NDF: 467885.9/81

- sign 1511.380+/-0.210 χ^2/NDF: 313780.9/41



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: 118.442+/-330.098 χ^2/NDF: 21.3/18

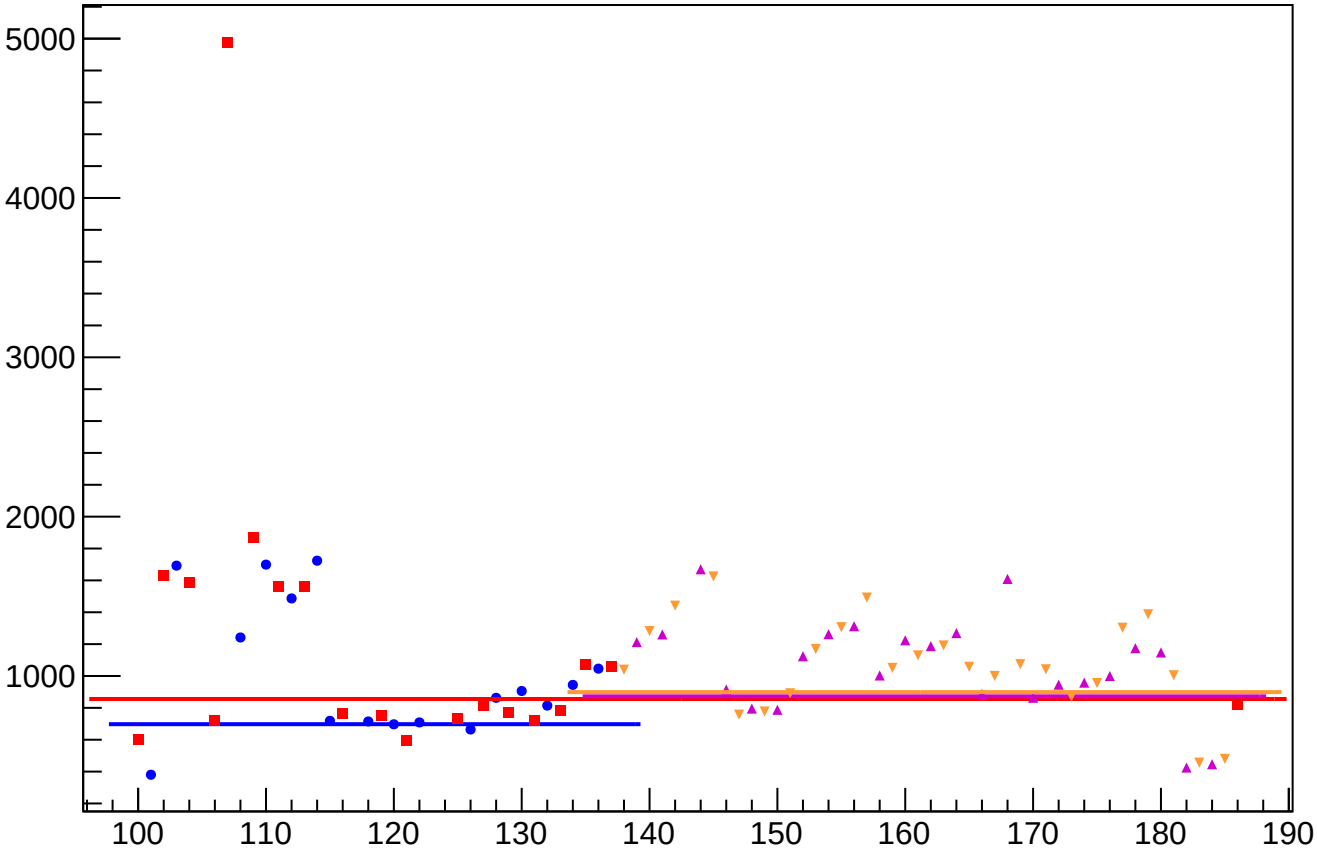
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -288.381+/-175.396 χ^2/NDF: 51.5/39

All: -86.011+/-126.357 χ^2/NDF: 88.5/81

- sign 132.335+/-182.188 χ^2/NDF: 34.3/41

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 855.640+/-0.233 χ^2/NDF: 1883737.2/18

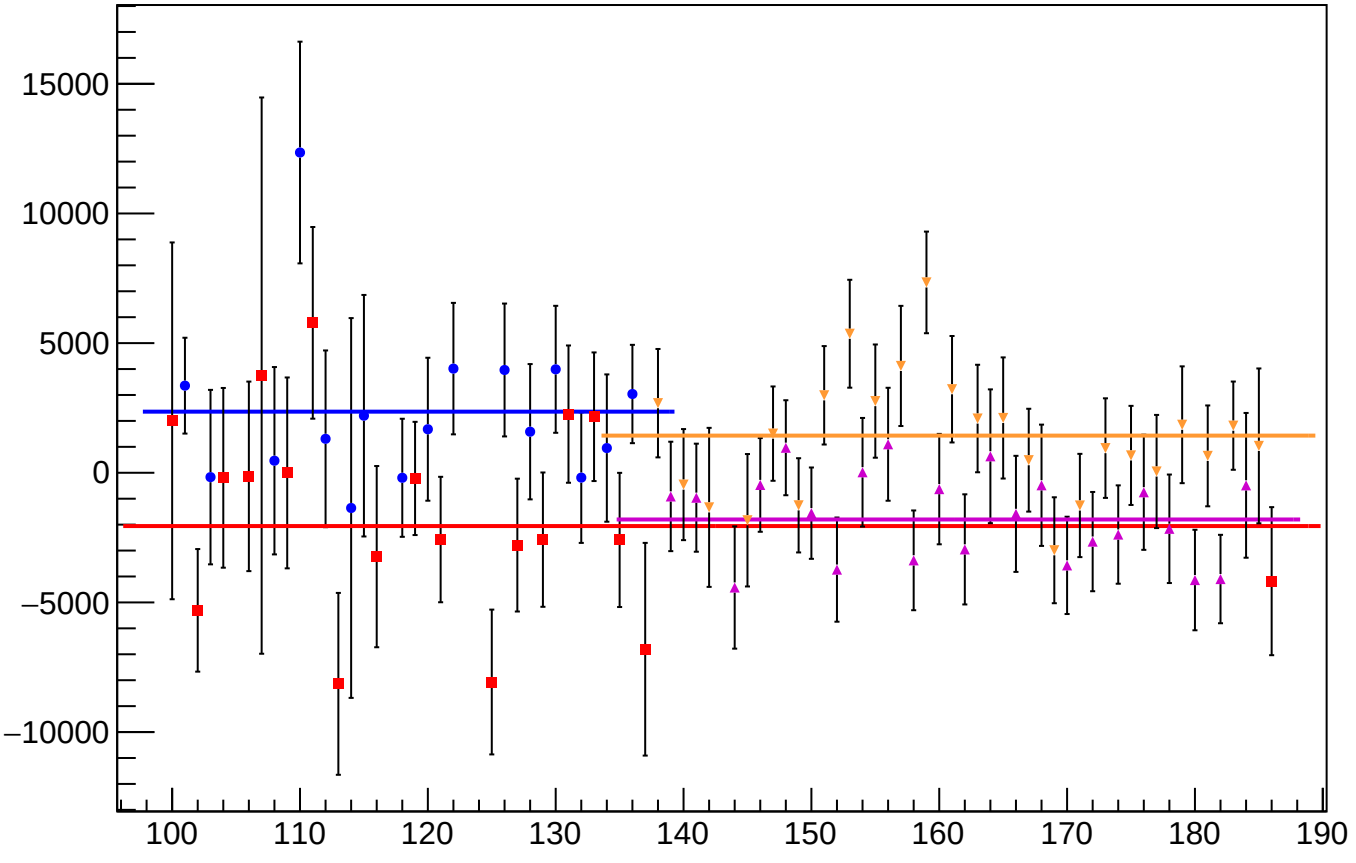
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 823.432+/-0.124 χ^2/NDF: 6844498.3/39

All: 844.555+/-0.089 χ^2/NDF: 13227679.2/81

- sign 867.345+/-0.129 χ^2/NDF: 6322877.8/41

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -2055.105+/-686.093 χ^2/NDF: 24.0/18

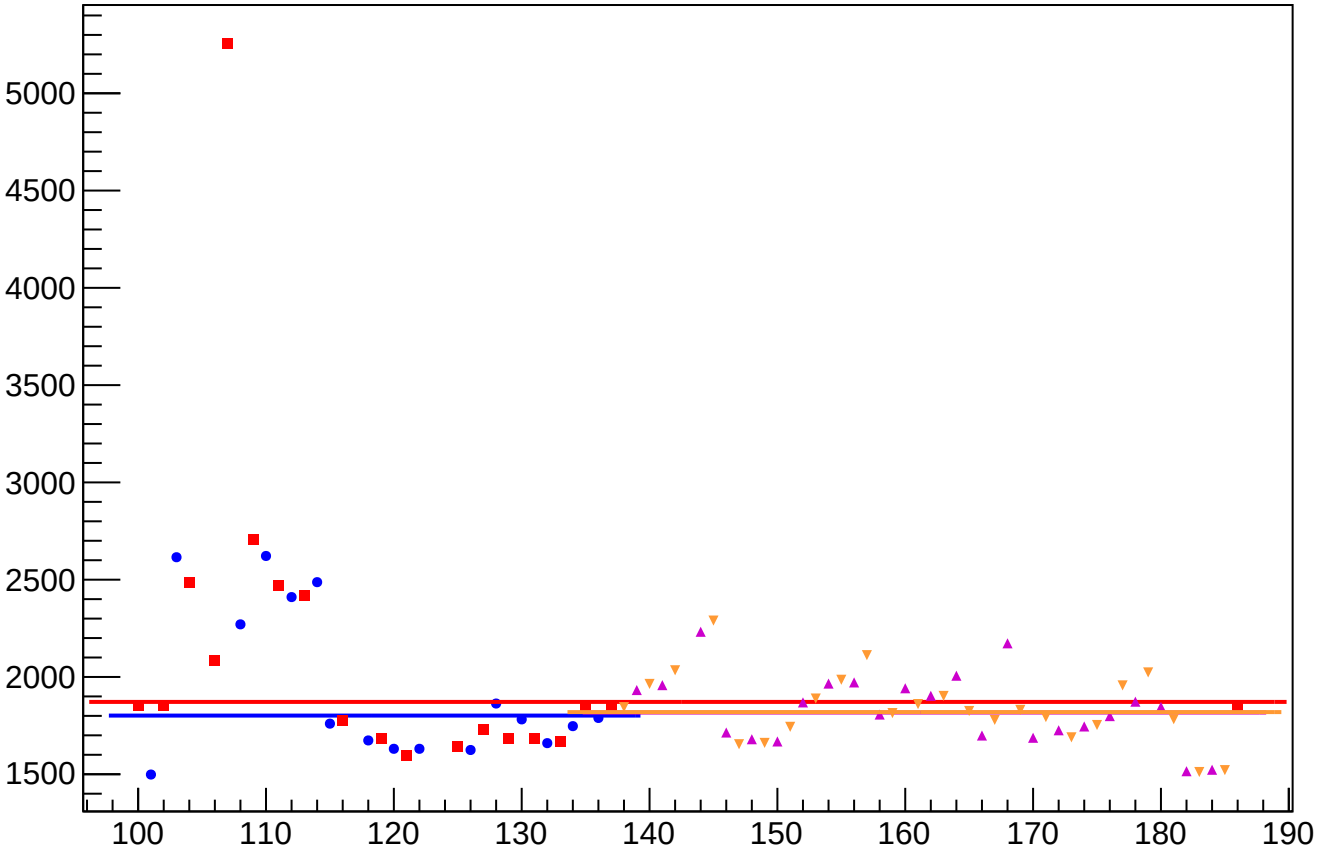
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1692.886+/-359.916 χ^2/NDF: 41.7/39

All: -78.350+/-255.305 χ^2/NDF: 129.9/81

- sign -1872.212+/-362.207 χ^2/NDF: 39.4/41

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

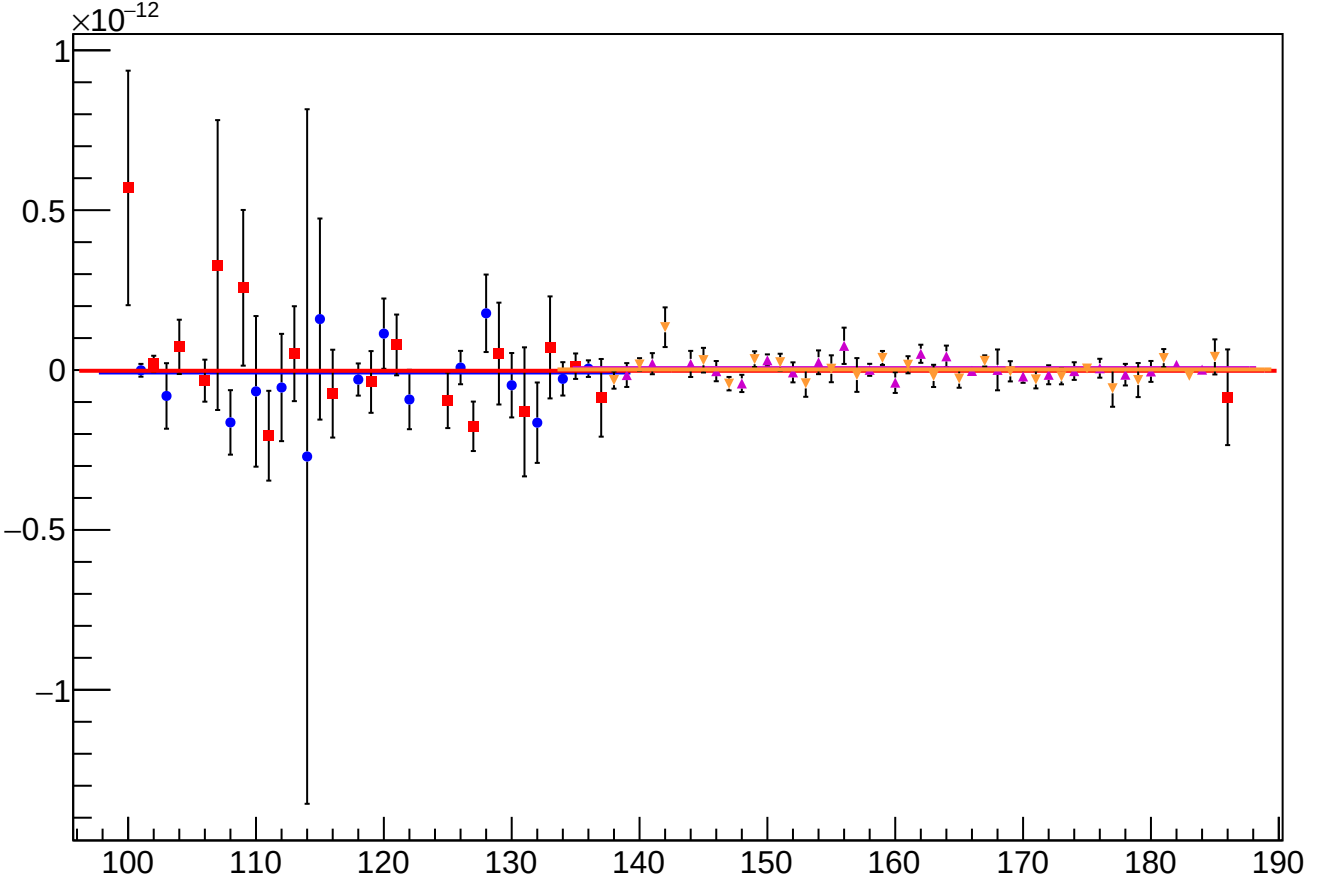
Right Out: 1871.771+/-0.485 χ^2/NDF: 570245.9/18

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1814.390+/-0.254 χ^2/NDF: 696715.8/39

All: 1823.322+/-0.181 χ^2/NDF: 1585689.9/81

- sign 1832.367+/-0.256 χ^2/NDF: 886495.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

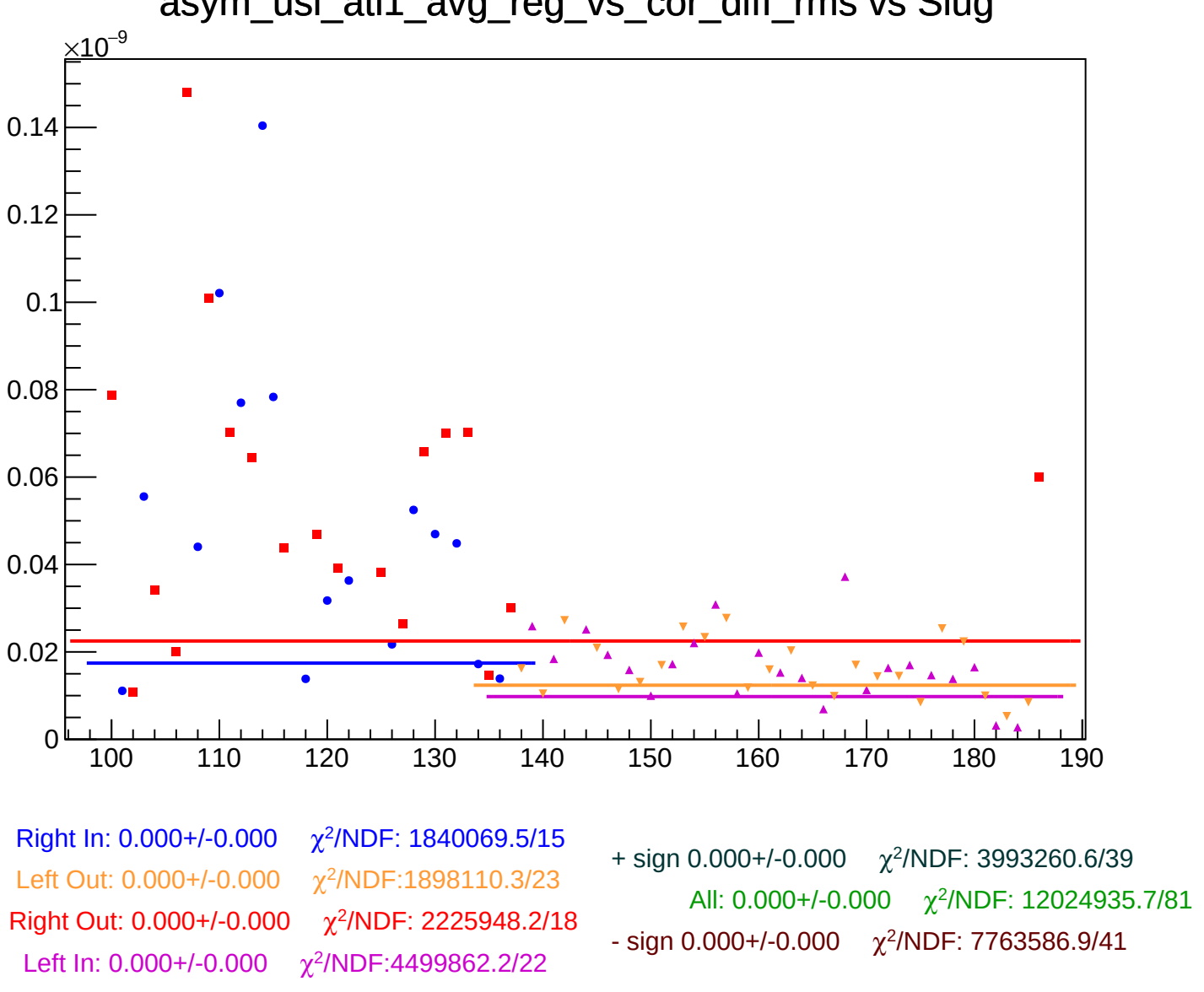
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

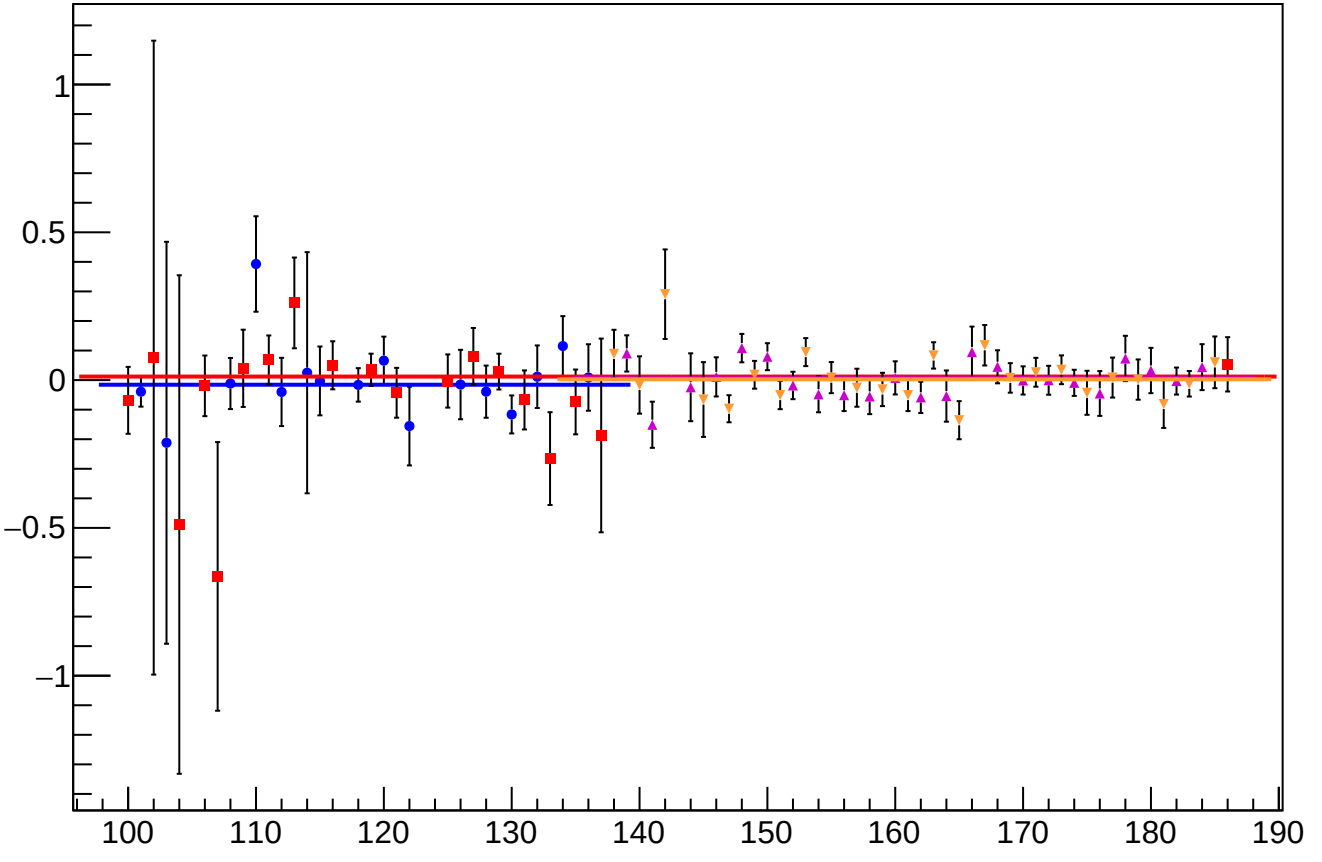
+ sign 0.000+/-0.000 χ^2/NDF: 40.0/39

All: 0.000+/-0.000 χ^2/NDF: 75.7/81

- 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: 1840069.5/15
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: 3993260.6/39
All: 0.000+/-0.000 χ²/NDF: 12024935.7/81
- sign 0.000+/-0.000 χ²/NDF: 7763586.9/41

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.012+/-0.023 χ^2/NDF: 12.7/18

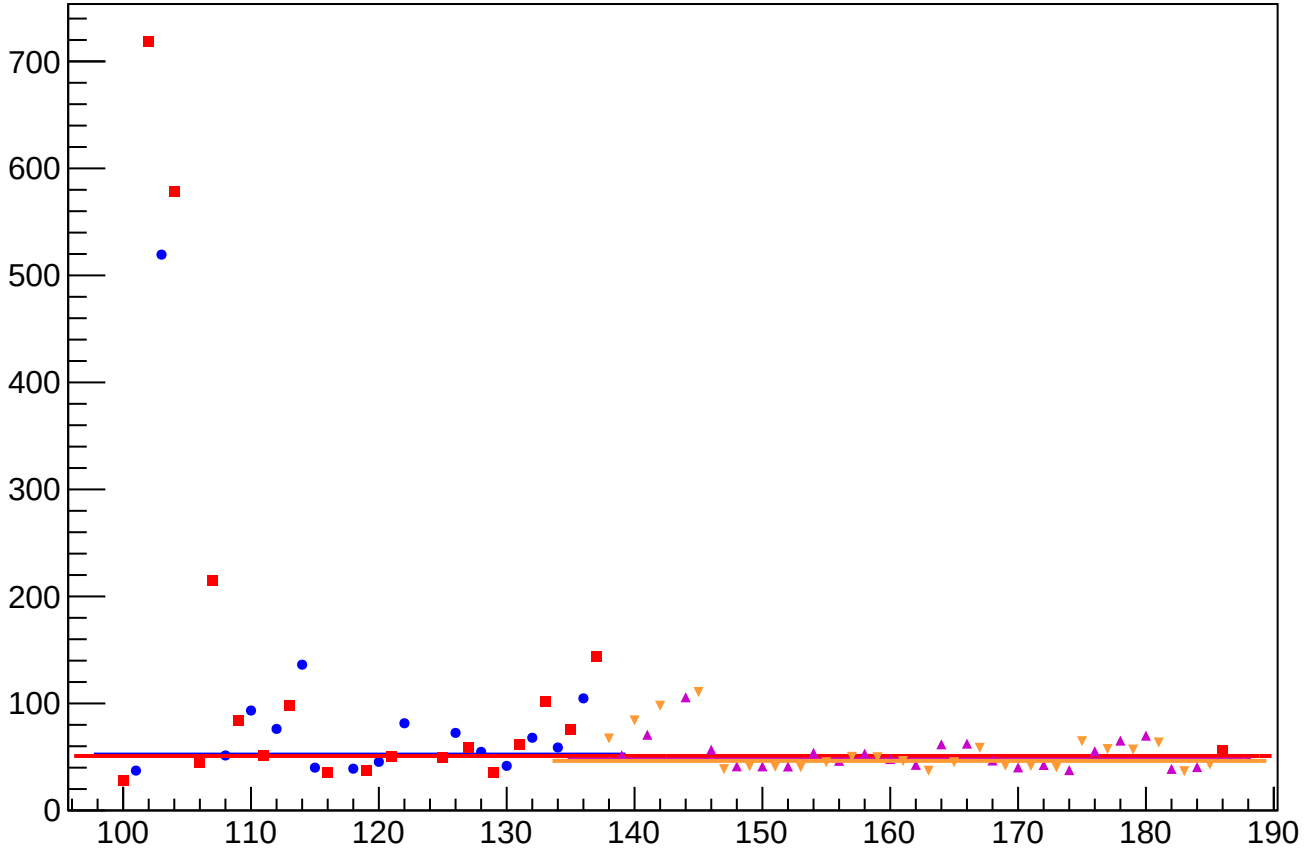
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.001+/-0.011 χ^2/NDF: 43.6/39

All: 0.003+/-0.008 χ^2/NDF: 78.3/81

- sign 0.007+/-0.011 χ^2/NDF: 34.4/41

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

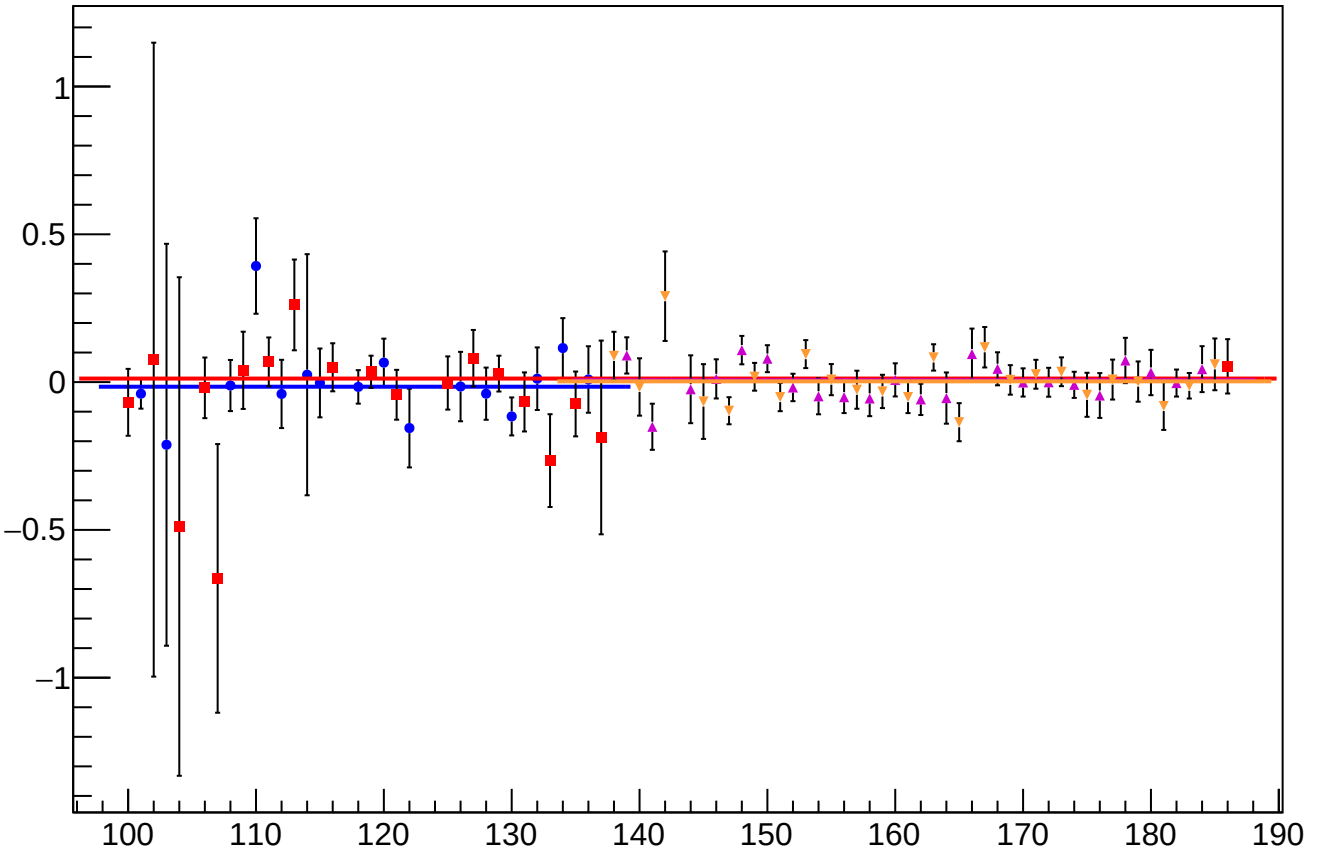
Right Out: 50.901+/-0.016 χ^2/NDF: 3057289.2/18

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.616+/-0.007 χ^2/NDF: 4338850.5/39

All: 47.955+/-0.005 χ^2/NDF: 9009604.1/81

- sign 48.306+/-0.008 χ^2/NDF: 4666530.6/41



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

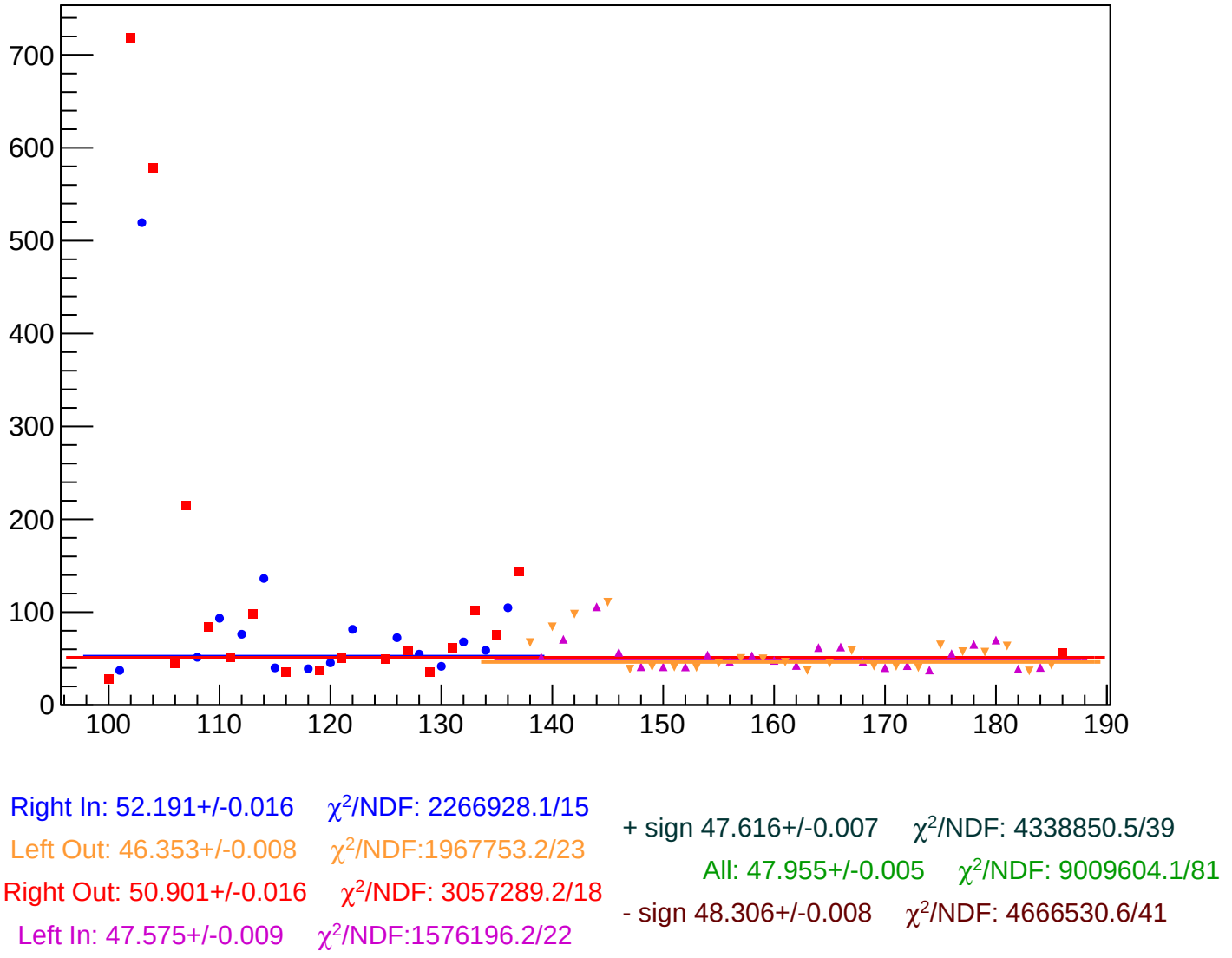
Right Out: 0.012+/-0.023 χ^2/NDF: 12.7/18

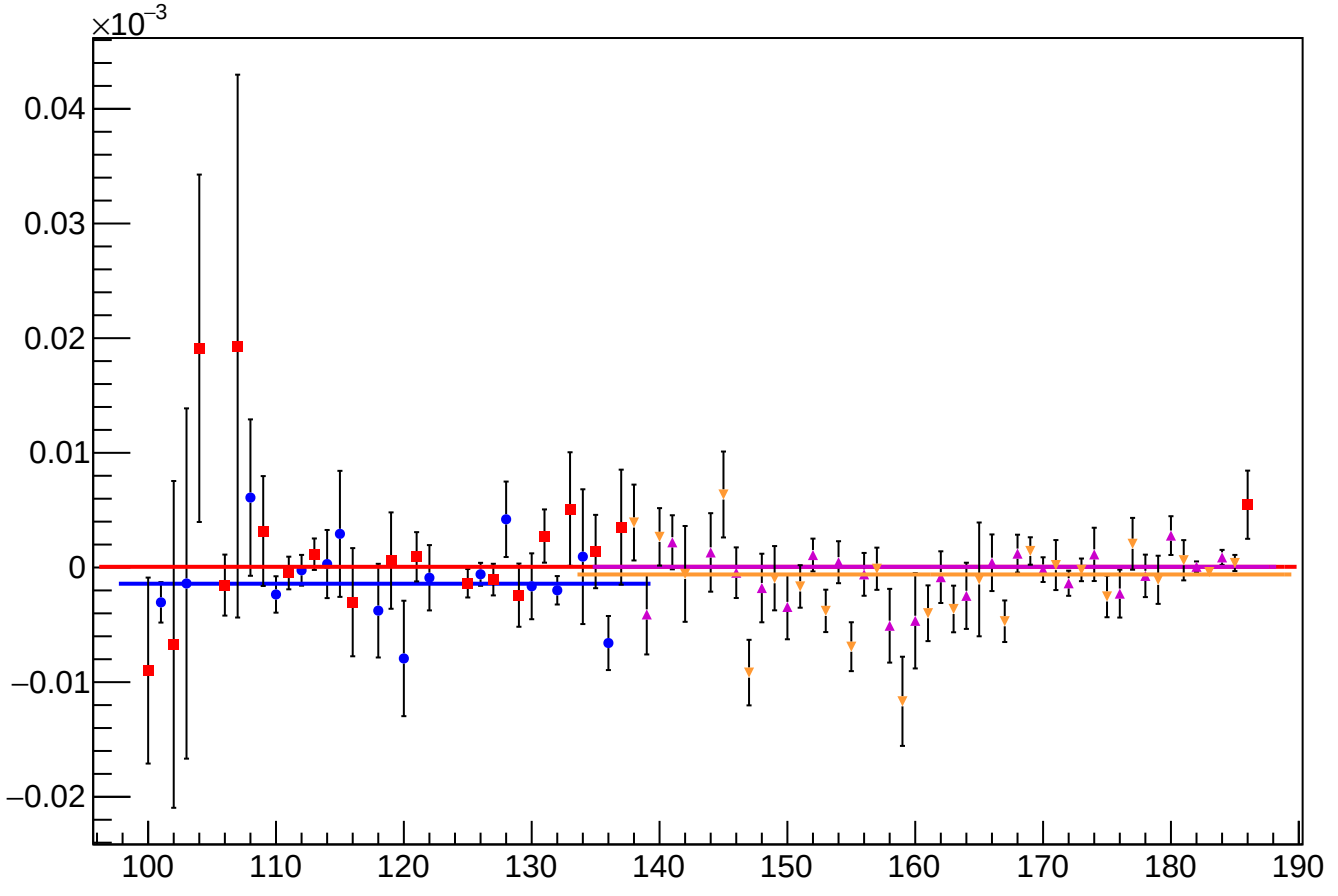
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign -0.001+/-0.011 χ^2/NDF: 43.6/39

All: 0.003+/-0.008 χ^2/NDF: 78.3/81

\- sign 0.007+/-0.011 χ^2/NDF: 34.4/41


asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
180
190
Right In: 52.191+/-0.016 χ²/NDF: 2266928.1/15
Left Out: 46.353+/-0.008 χ²/NDF:1967753.2/23
Right Out: 50.901+/-0.016 χ²/NDF: 3057289.2/18
Left In: 47.575+/-0.009 χ²/NDF:1576196.2/22
+ sign 47.616+/-0.007 χ²/NDF: 4338850.5/39
All: 47.955+/-0.005 χ²/NDF: 9009604.1/81
- sign 48.306+/-0.008 χ²/NDF: 4666530.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

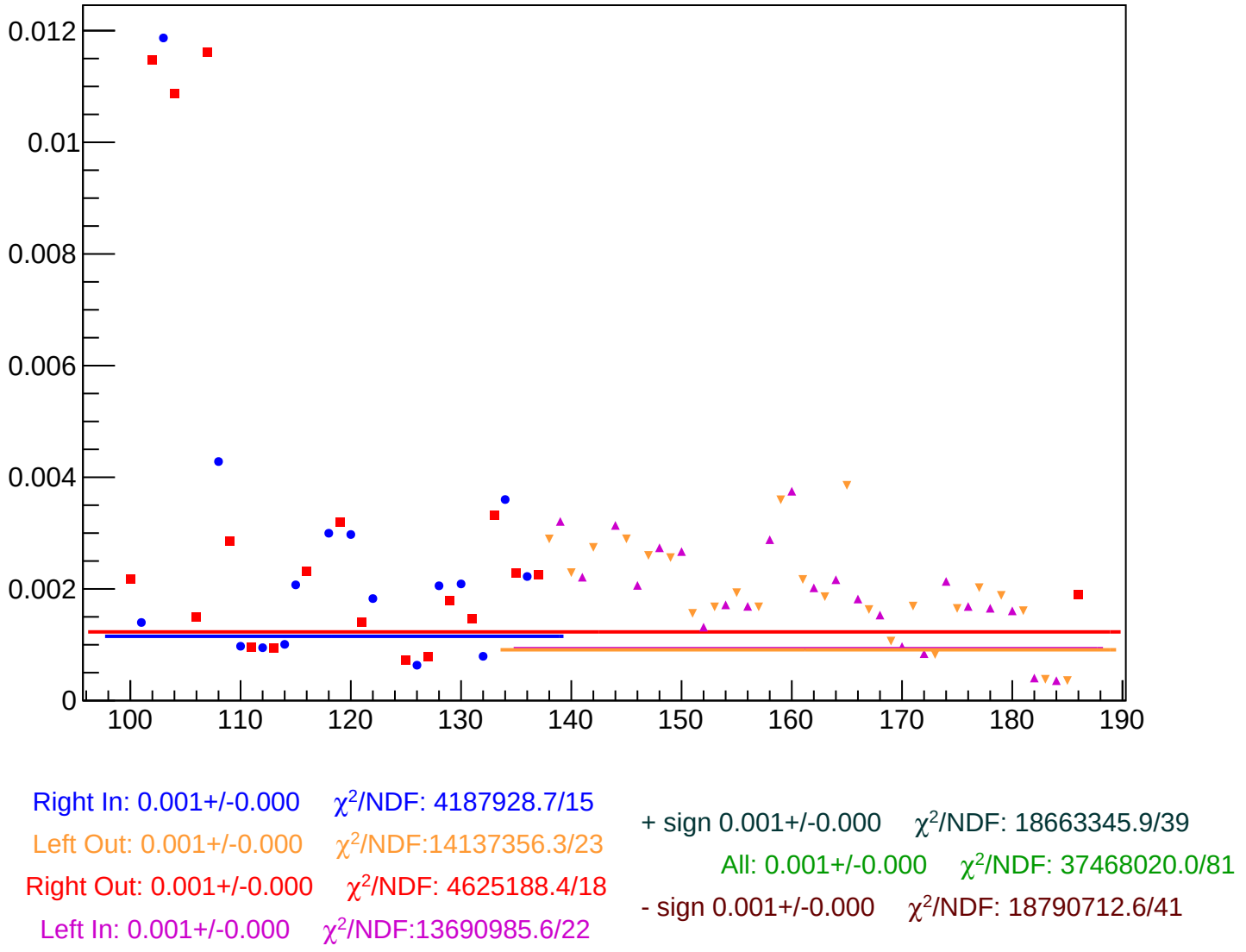
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

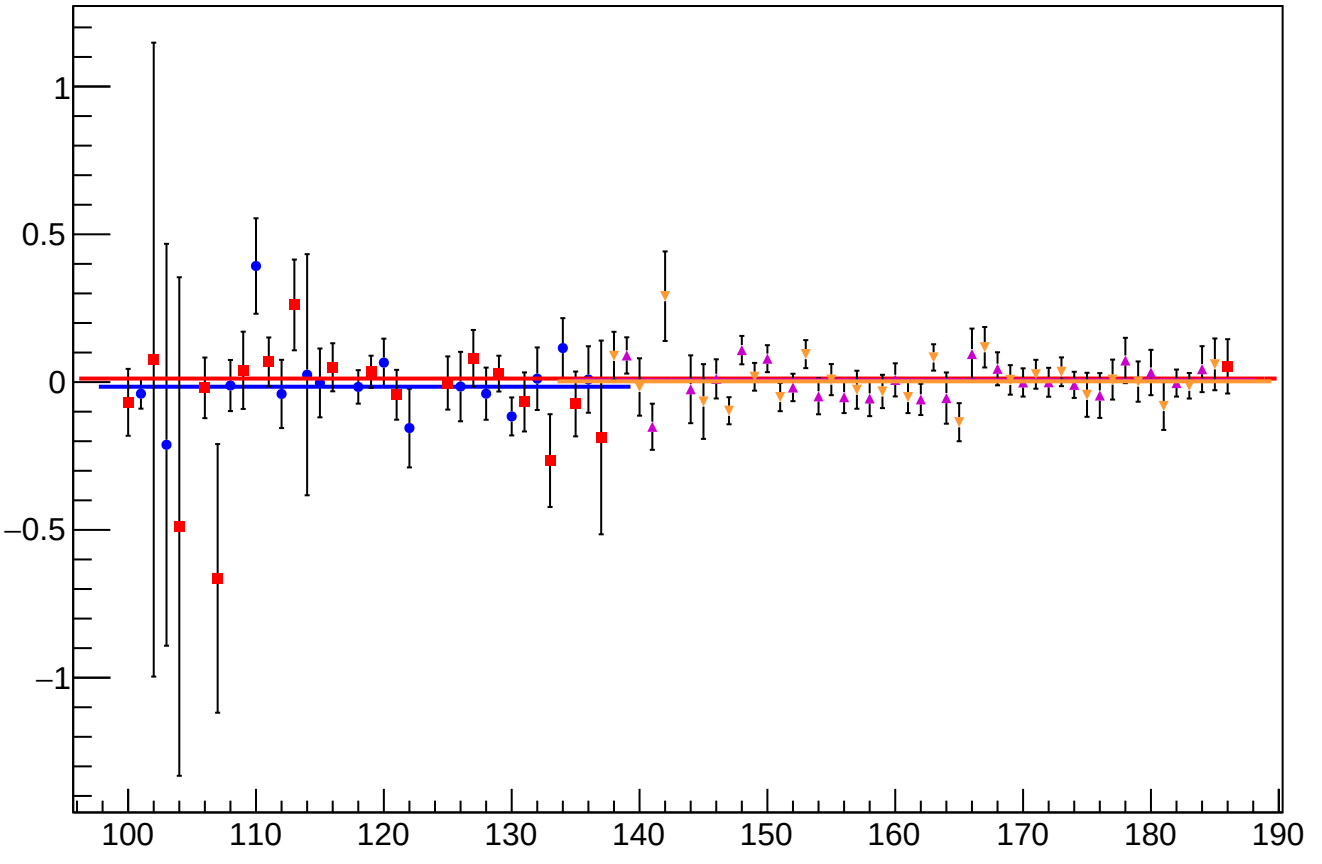
Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.8/39

All: -0.000+/-0.000 χ^2/NDF: 109.6/81

- sign 0.000+/-0.000 χ^2/NDF: 32.9/41


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug
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: 4187928.7/15
Left Out: 0.001+/-0.000 χ²/NDF:14137356.3/23
Right Out: 0.001+/-0.000 χ²/NDF: 4625188.4/18
Left In: 0.001+/-0.000 χ²/NDF:13690985.6/22
+ sign 0.001+/-0.000 χ²/NDF: 18663345.9/39
All: 0.001+/-0.000 χ²/NDF: 37468020.0/81
- sign 0.001+/-0.000 χ²/NDF: 18790712.6/41



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

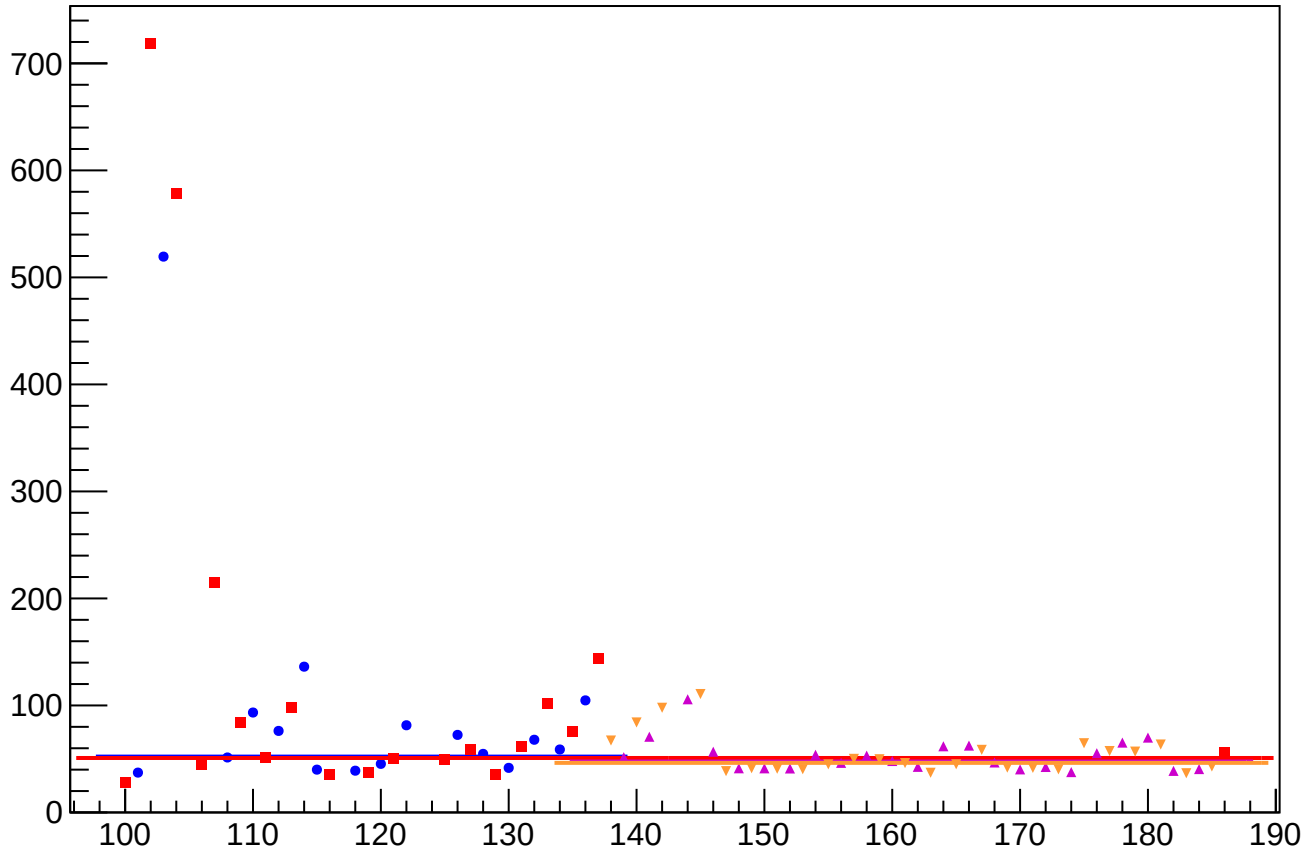
Right Out: 0.012+/-0.023 χ^2/NDF: 12.7/18

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign -0.001+/-0.011 χ^2/NDF: 43.6/39

All: 0.003+/-0.008 χ^2/NDF: 78.3/81

\- sign 0.007+/-0.011 χ^2/NDF: 34.4/41



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

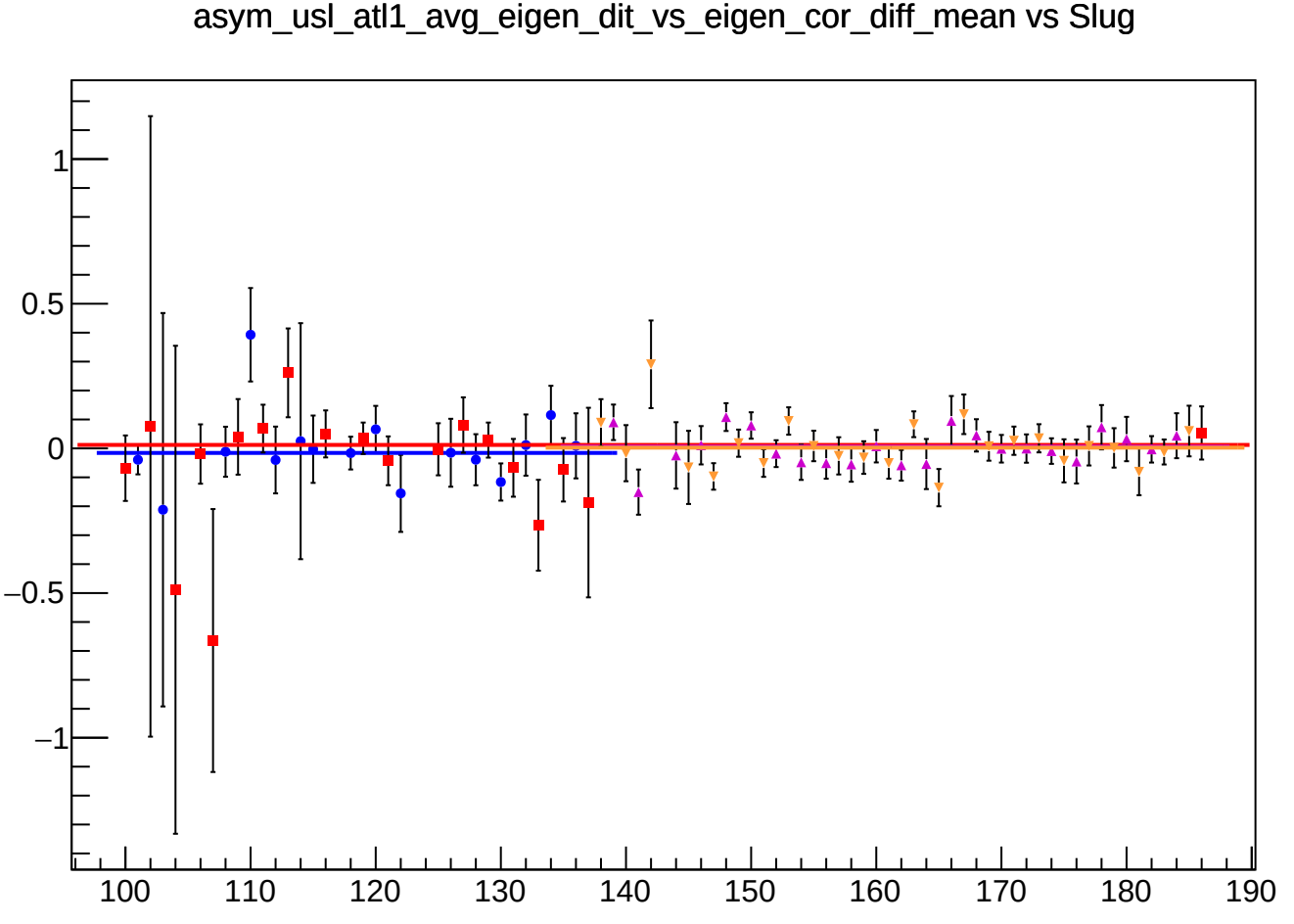
Right Out: 50.901+/-0.016 χ^2/NDF: 3057274.0/18

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.616+/-0.007 χ^2/NDF: 4338821.7/39

All: 47.955+/-0.005 χ^2/NDF: 9009560.5/81

- sign 48.306+/-0.008 χ^2/NDF: 4666517.2/41



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

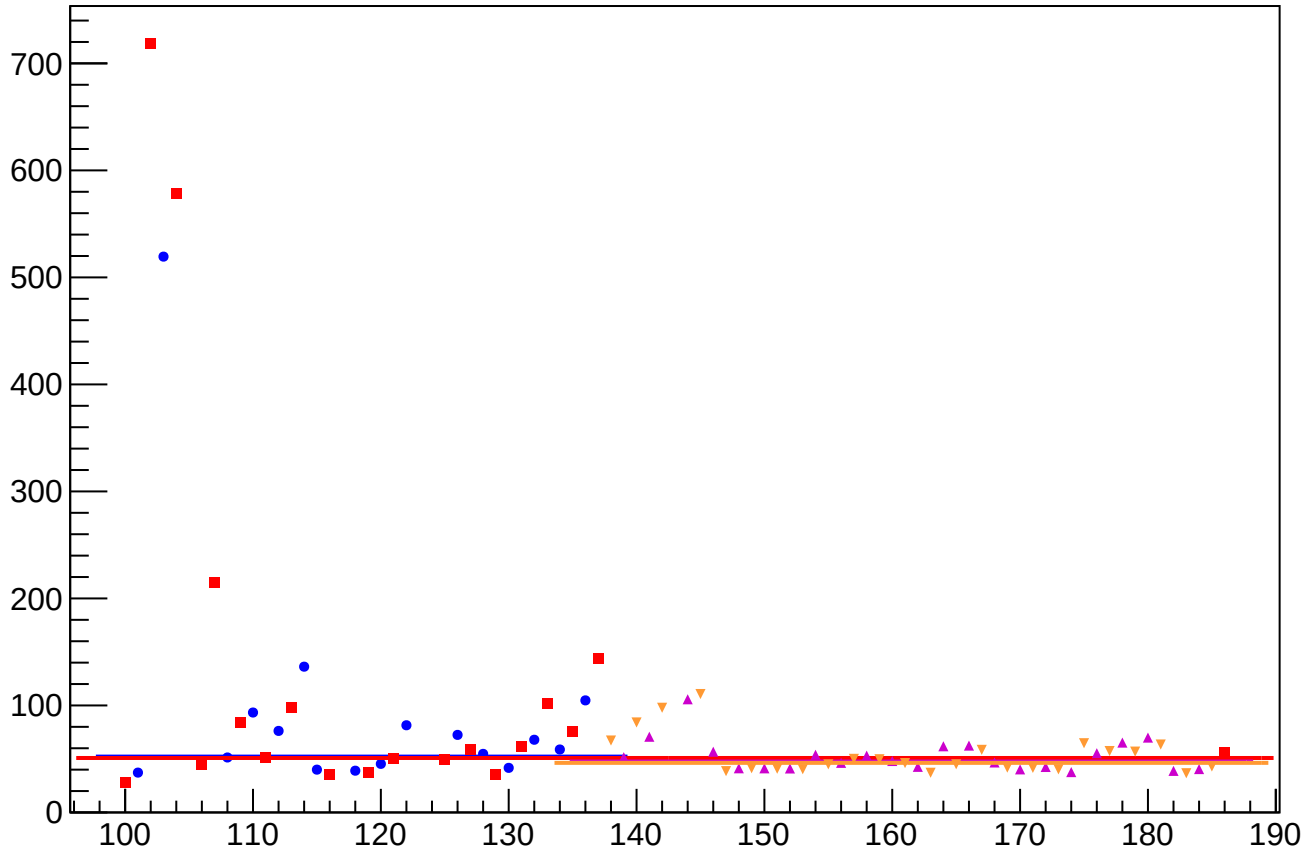
Right Out: 0.012+/-0.023 χ^2/NDF: 12.7/18

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign -0.001+/-0.011 χ^2/NDF: 43.6/39

All: 0.003+/-0.008 χ^2/NDF: 78.3/81

\- sign 0.007+/-0.011 χ^2/NDF: 34.4/41



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

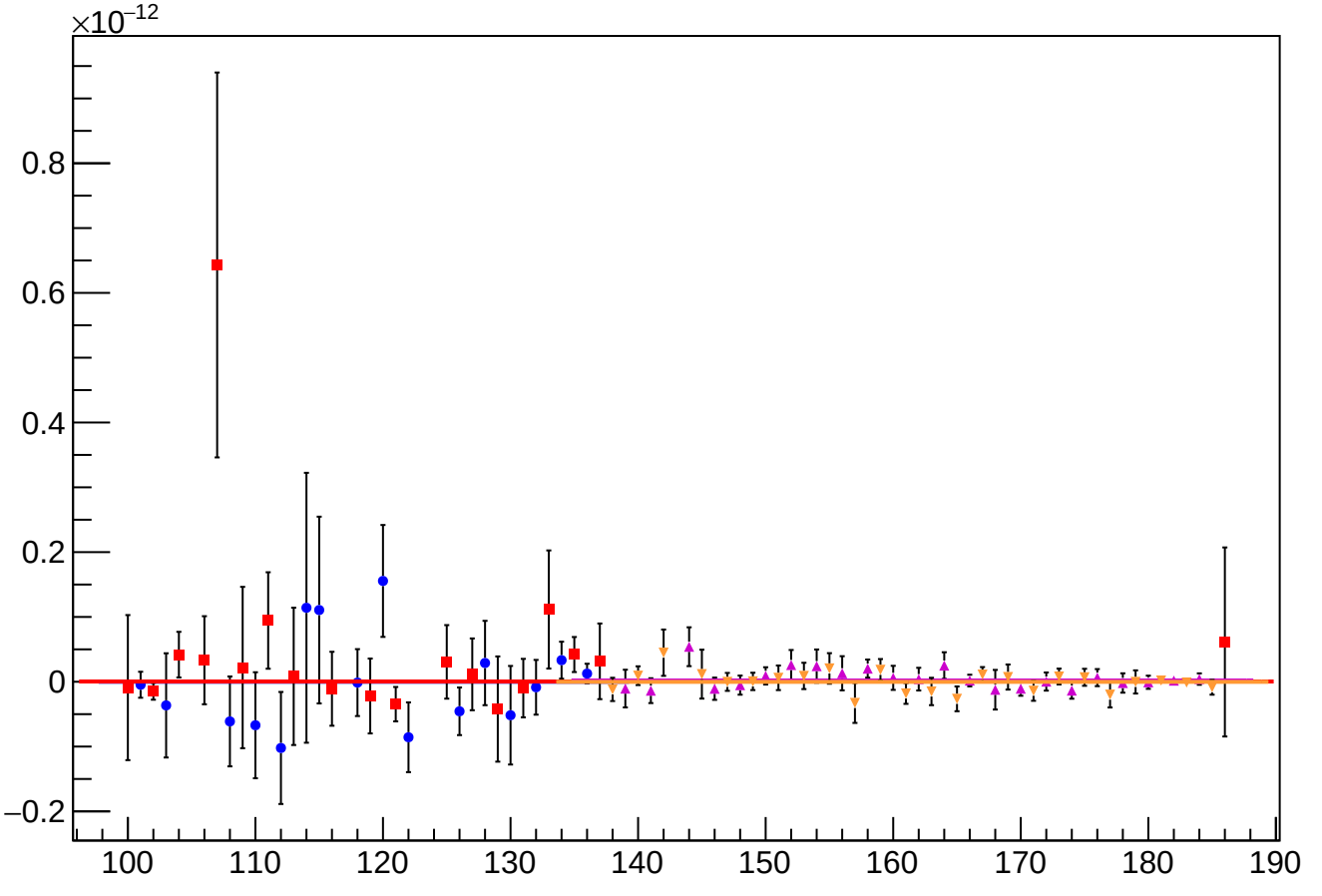
Right Out: 50.901+/-0.016 χ^2/NDF: 3057274.0/18

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.616+/-0.007 χ^2/NDF: 4338821.7/39

All: 47.955+/-0.005 χ^2/NDF: 9009560.5/81

- sign 48.306+/-0.008 χ^2/NDF: 4666517.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

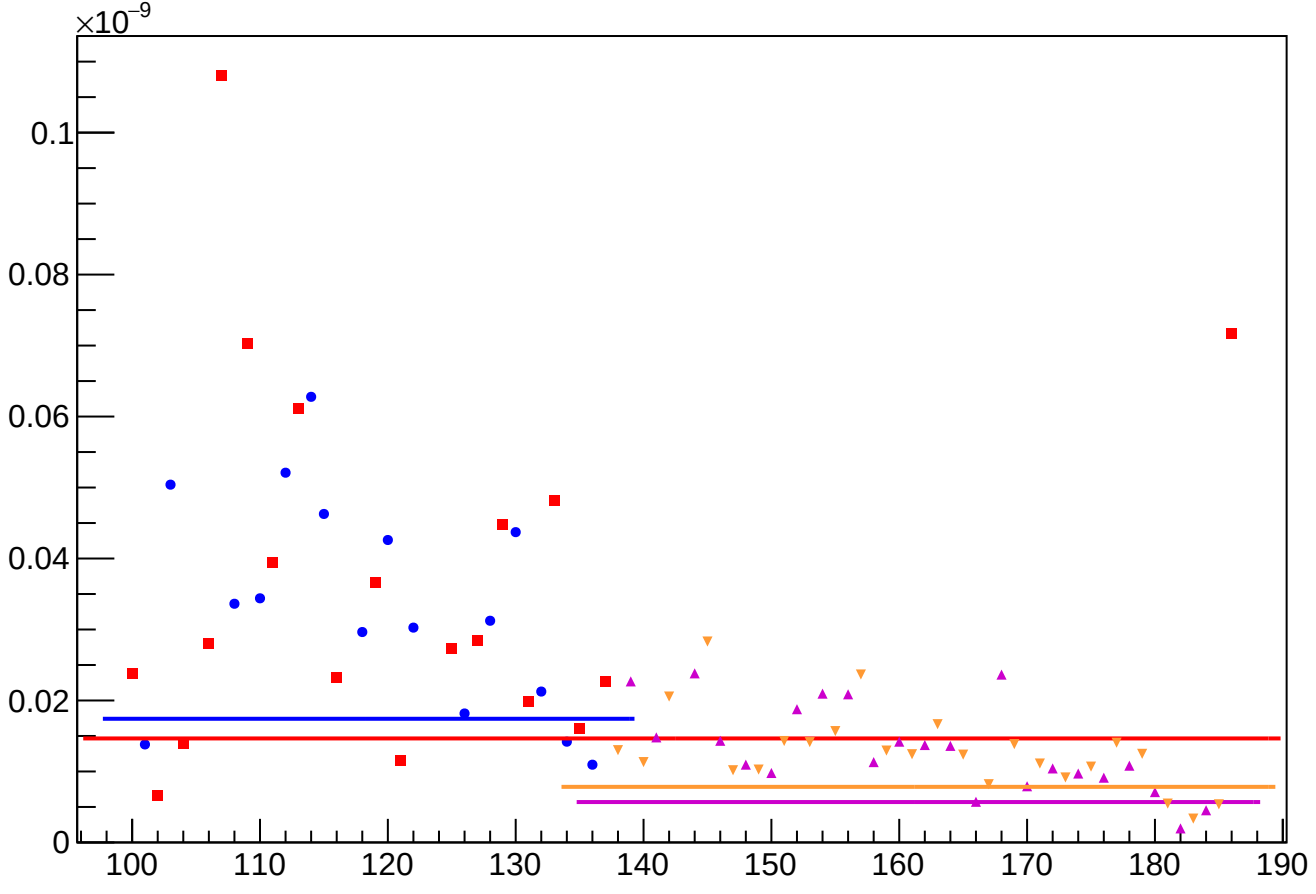
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/39

All: 0.000+/-0.000 χ^2/NDF: 57.9/81

- sign 0.000+/-0.000 χ^2/NDF: 29.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3567746.2/18

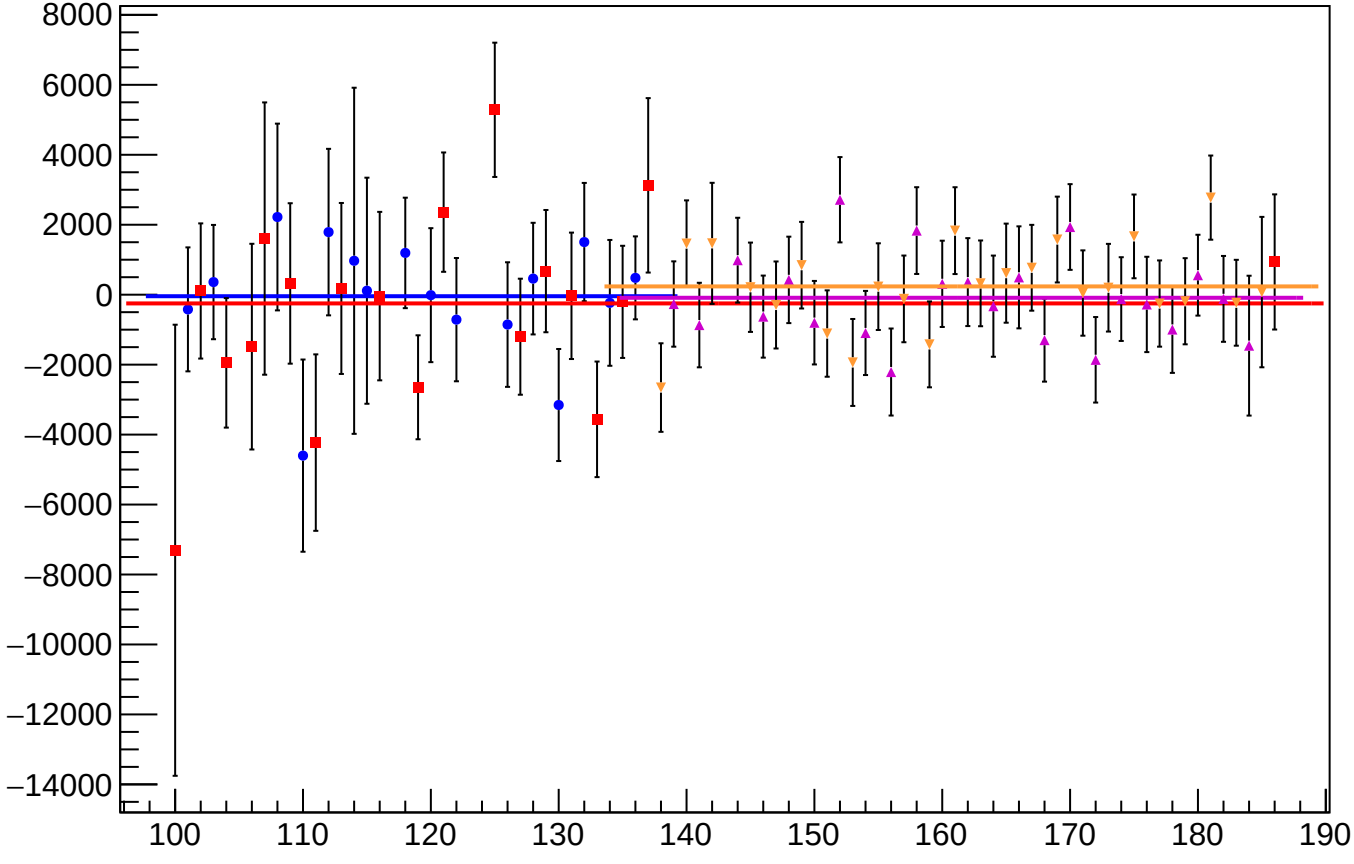
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

\+ sign 0.000+/-0.000 χ^2/NDF: 10588499.3/39

All: 0.000+/-0.000 χ^2/NDF: 28300381.9/81

\- sign 0.000+/-0.000 χ^2/NDF: 16670858.4/41

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -249.623+/-461.211 χ^2/NDF: 25.2/18

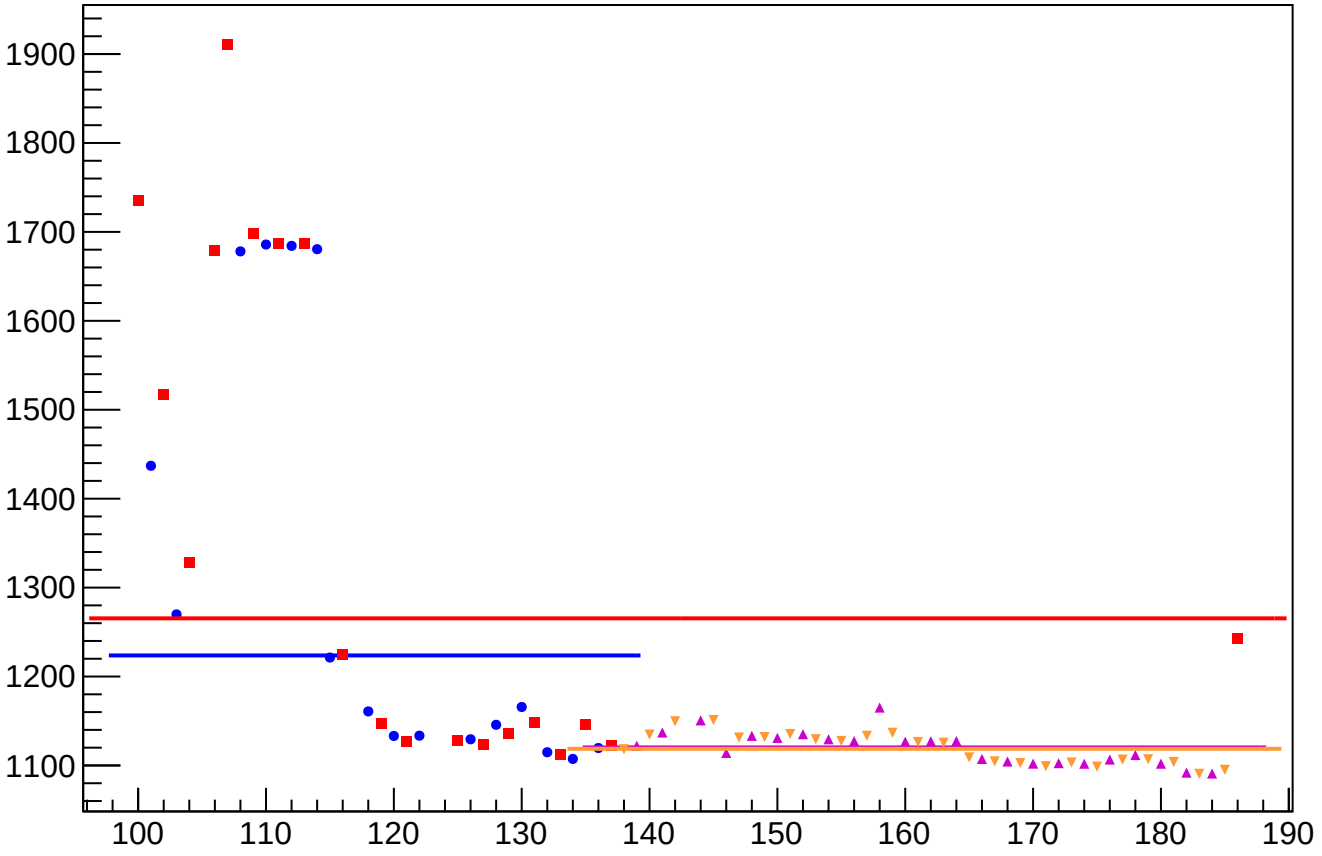
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 168.696+/-226.035 χ^2/NDF: 33.1/39

All: 21.521+/-160.363 χ^2/NDF: 80.1/81

- sign -127.629+/-227.547 χ^2/NDF: 46.2/41

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1265.424+/-0.326 χ^2/NDF: 433131.3/18

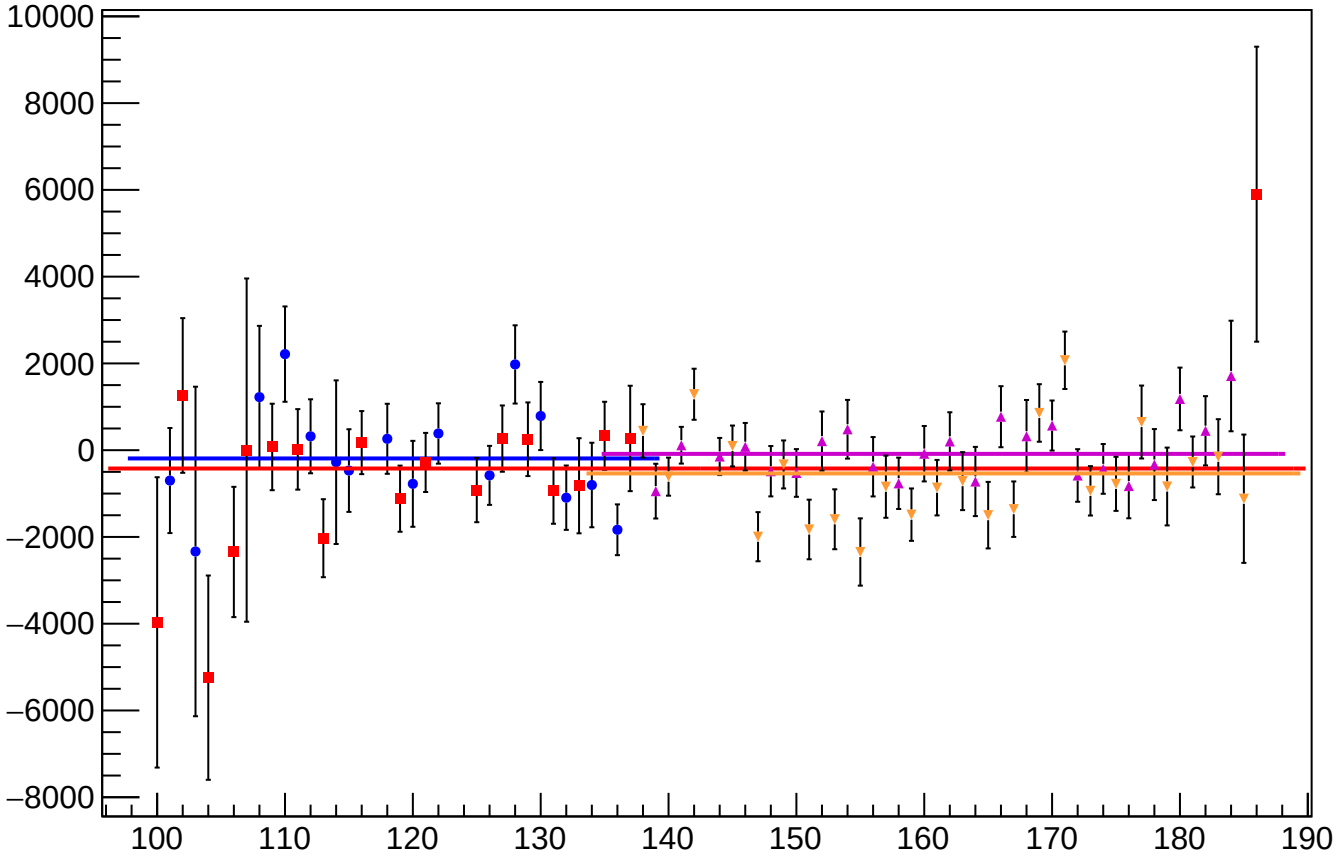
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1144.165+/-0.160 χ^2/NDF: 382356.1/39

All: 1149.860+/-0.113 χ^2/NDF: 977326.2/81

- sign 1155.631+/-0.161 χ^2/NDF: 592414.0/41

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -422.597+/-222.723 χ^2/NDF: 20.3/18

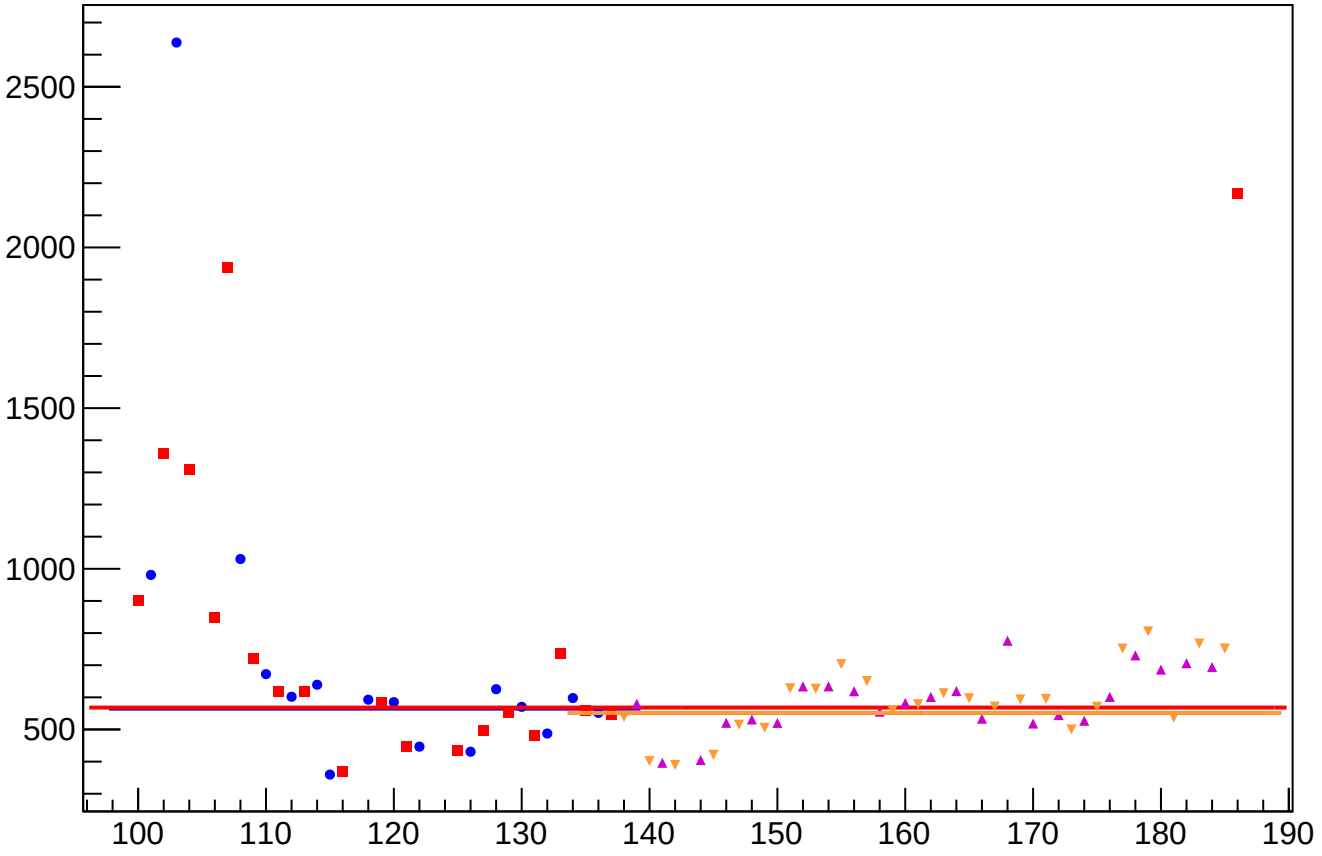
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -447.598+/-112.708 χ^2/NDF: 88.6/39

All: -309.990+/-79.763 χ^2/NDF: 130.7/81

- sign -171.927+/-112.895 χ^2/NDF: 39.1/41

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 568.141+/-0.157 χ^2/NDF: 1797383.8/18

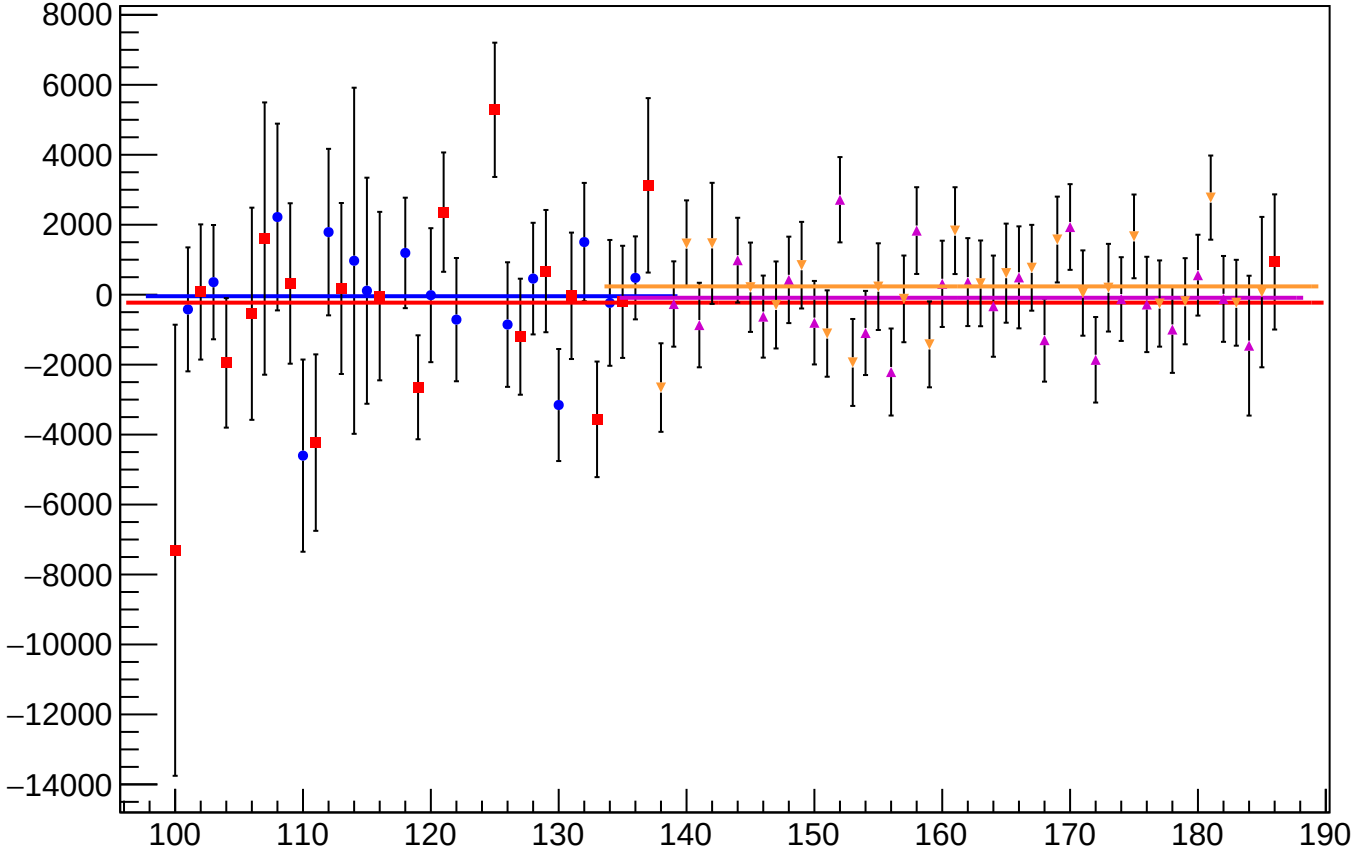
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 554.897+/-0.080 χ^2/NDF: 2516572.1/39

All: 555.275+/-0.056 χ^2/NDF: 5384225.7/81

- sign 555.654+/-0.080 χ^2/NDF: 2867608.6/41

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -227.782+/-461.555 χ^2/NDF: 25.0/18

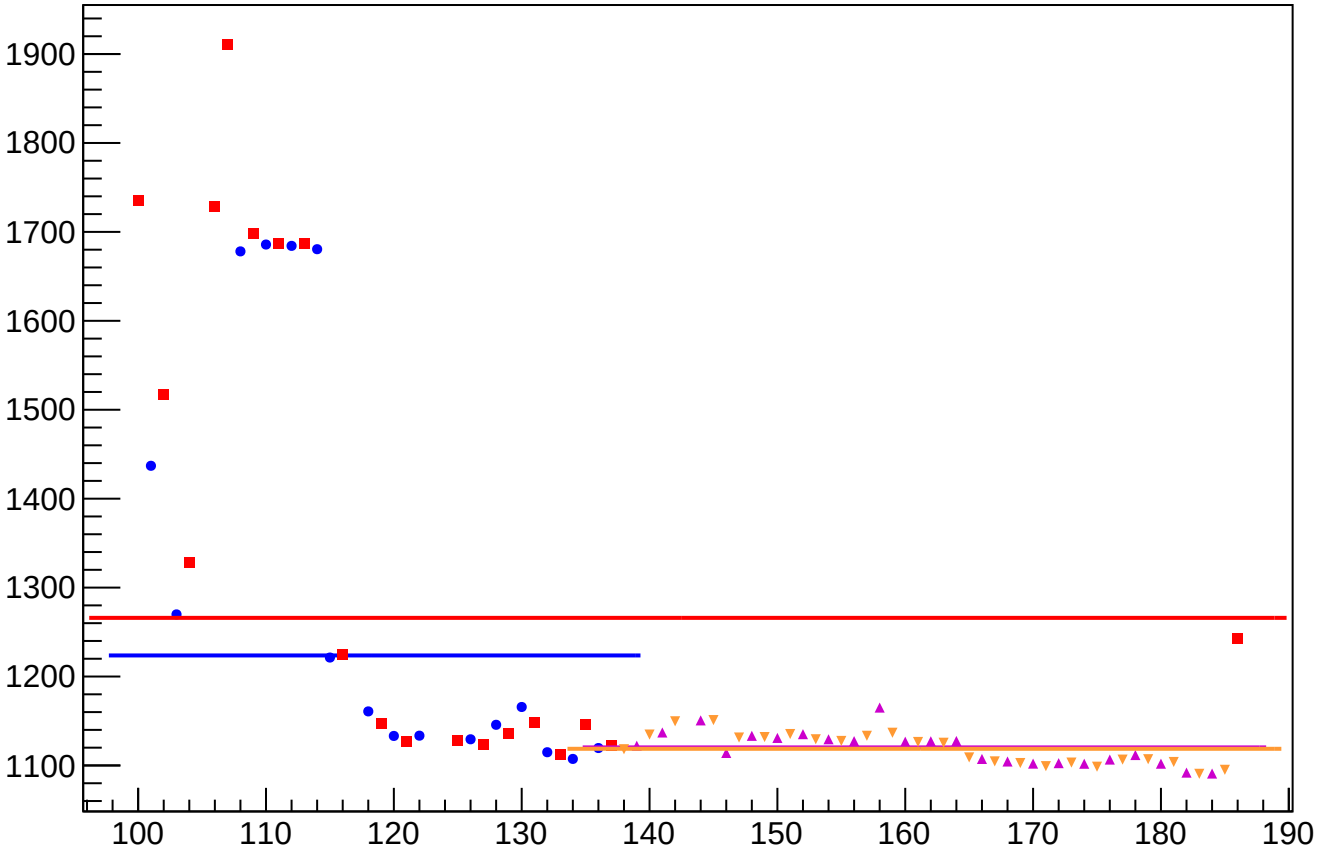
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 168.669+/-226.035 χ^2/NDF: 33.1/39

All: 24.197+/-160.377 χ^2/NDF: 79.9/81

- sign -122.266+/-227.588 χ^2/NDF: 46.0/41

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1265.973+/-0.326 χ^2/NDF: 440282.4/18

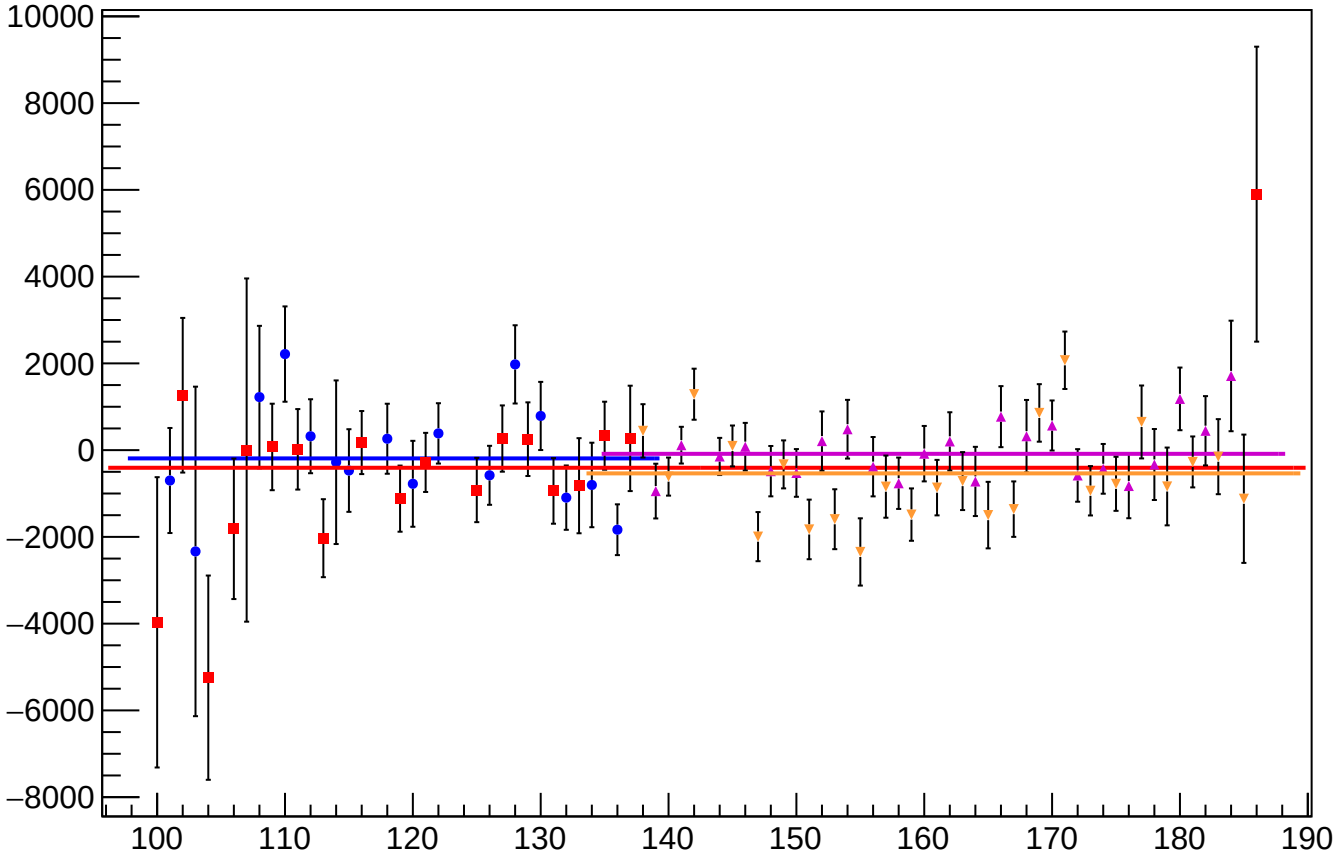
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1144.165+/-0.160 χ^2/NDF: 382356.2/39

All: 1149.905+/-0.113 χ^2/NDF: 985482.4/81

- sign 1155.725+/-0.161 χ^2/NDF: 600528.8/41

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -406.612+/-223.066 χ^2/NDF: 19.4/18

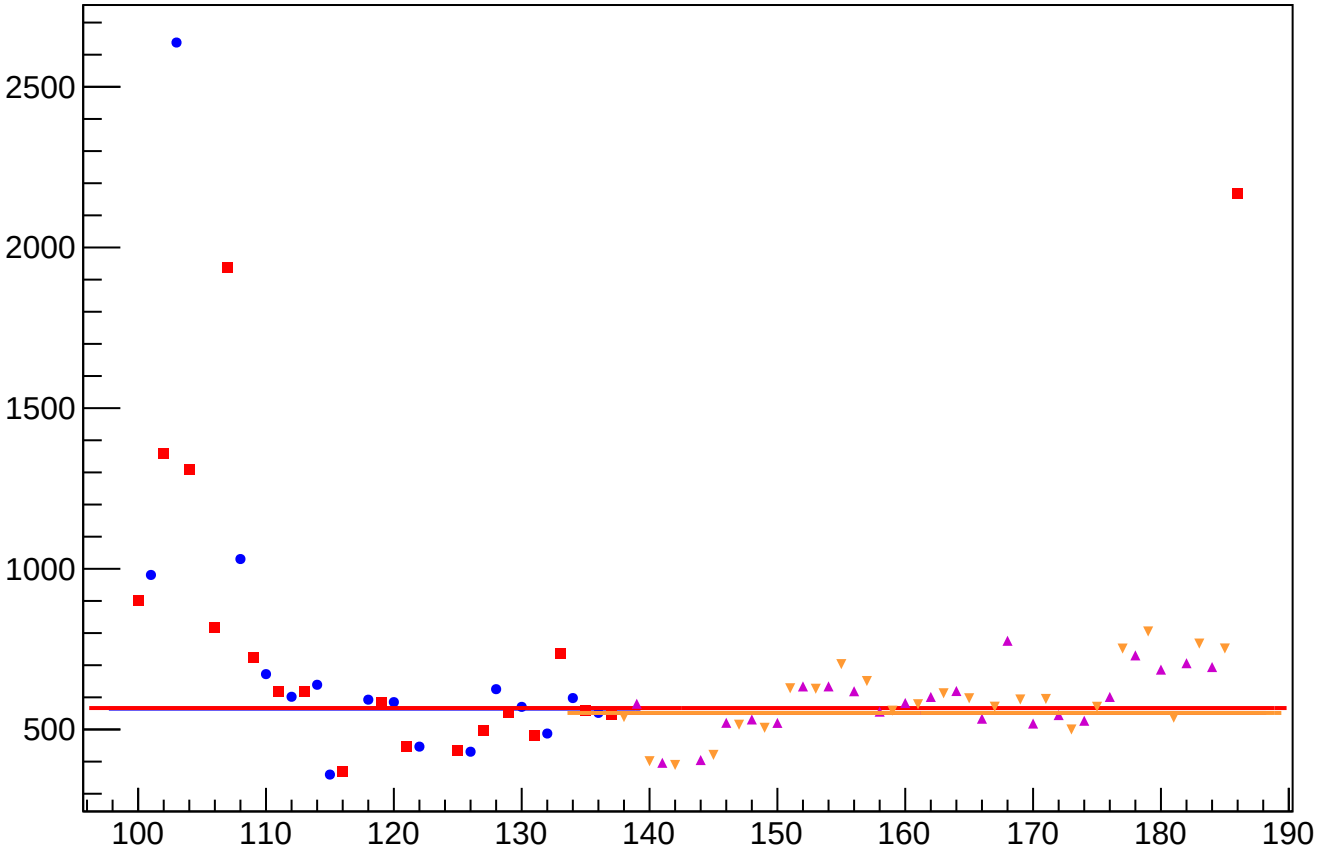
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -447.623+/-112.708 χ^2/NDF: 88.6/39

All: -307.909+/-79.778 χ^2/NDF: 129.8/81

\- sign -167.624+/-112.939 χ^2/NDF: 38.1/41

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 566.683+/-0.158 χ^2/NDF: 1775317.2/18

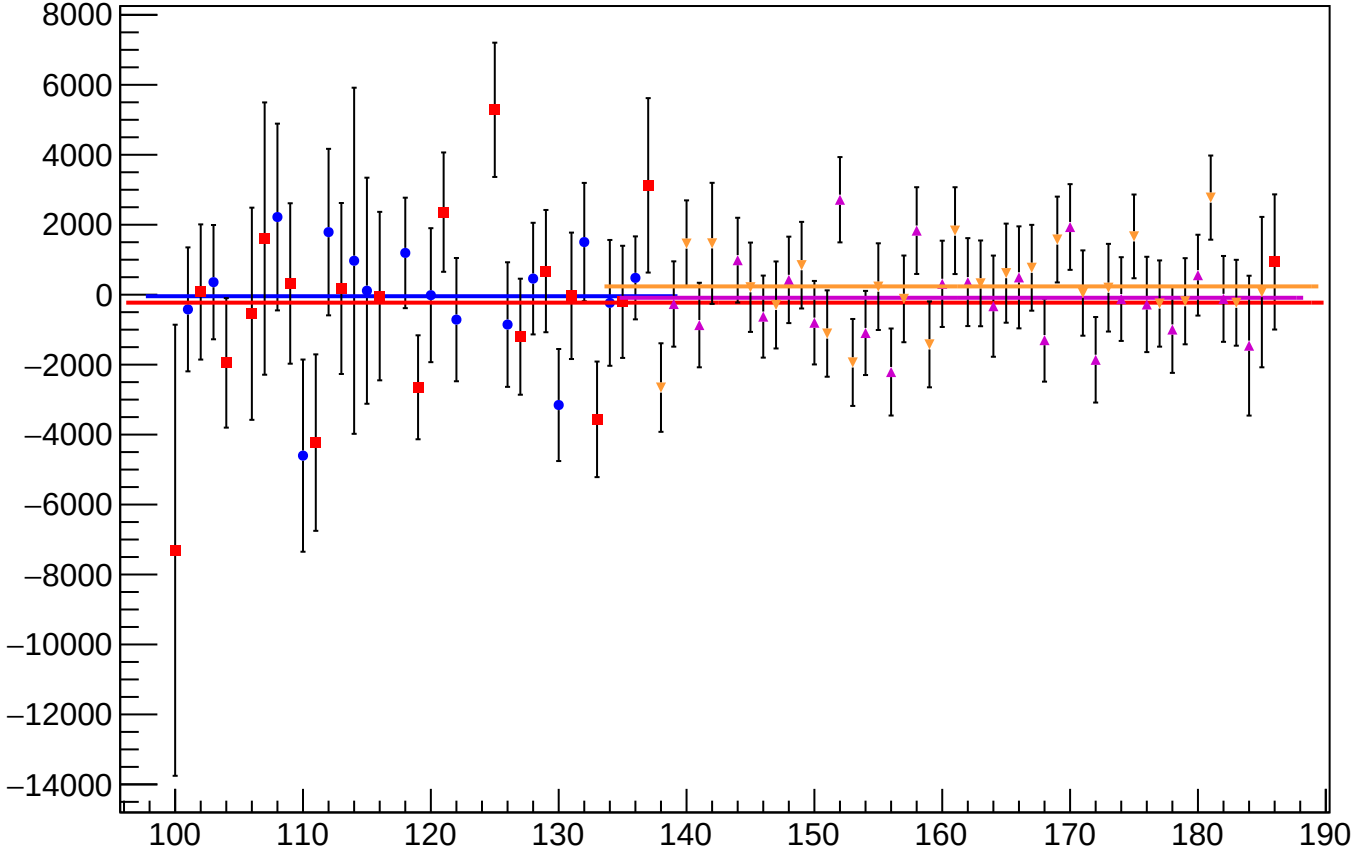
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

\+ sign 554.896+/-0.080 χ^2/NDF: 2516561.6/39

All: 555.082+/-0.056 χ^2/NDF: 5360662.4/81

\- sign 555.270+/-0.080 χ^2/NDF: 2844089.8/41

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -227.782+/-461.555 χ^2/NDF: 25.0/18

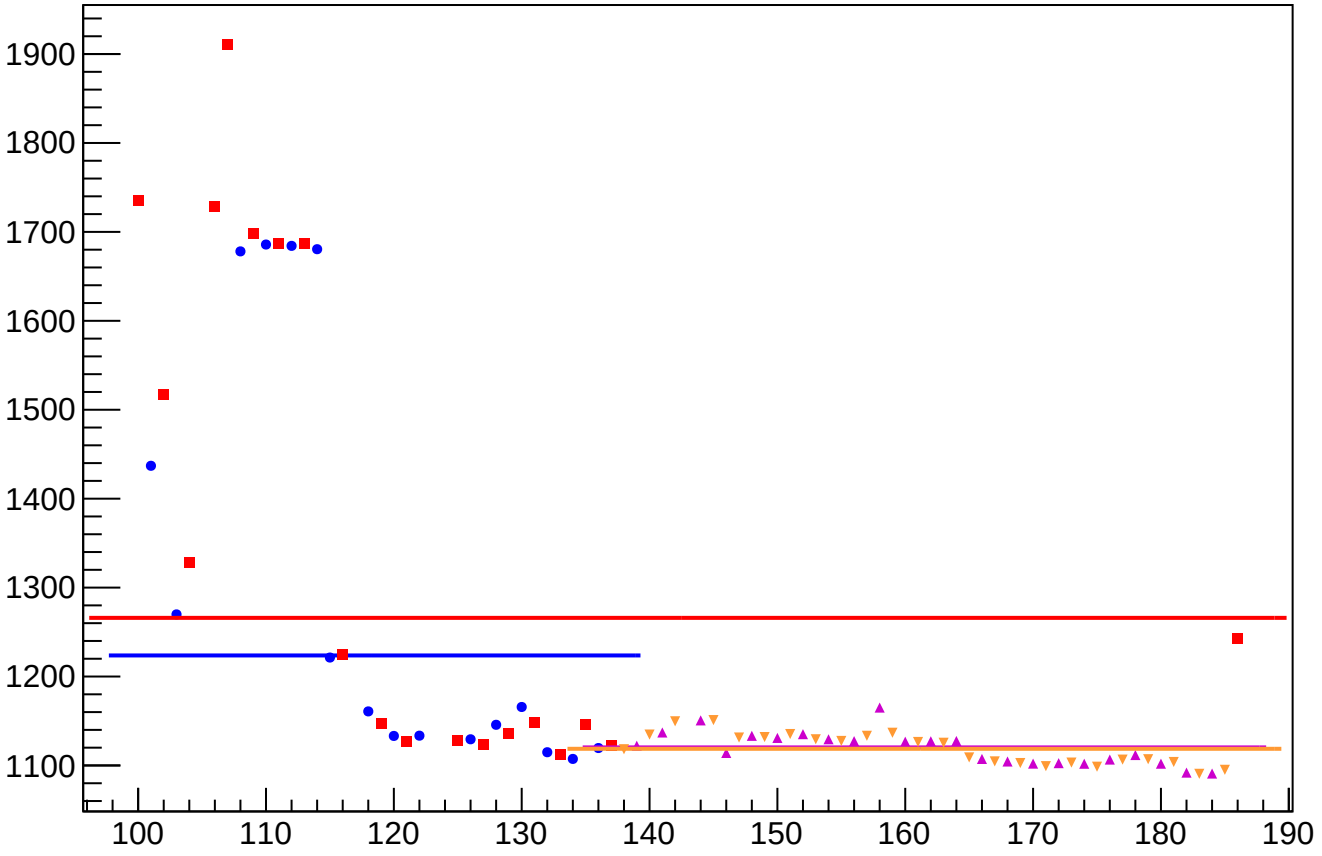
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 168.669+/-226.035 χ^2/NDF: 33.1/39

All: 24.197+/-160.377 χ^2/NDF: 79.9/81

- sign -122.266+/-227.588 χ^2/NDF: 46.0/41

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

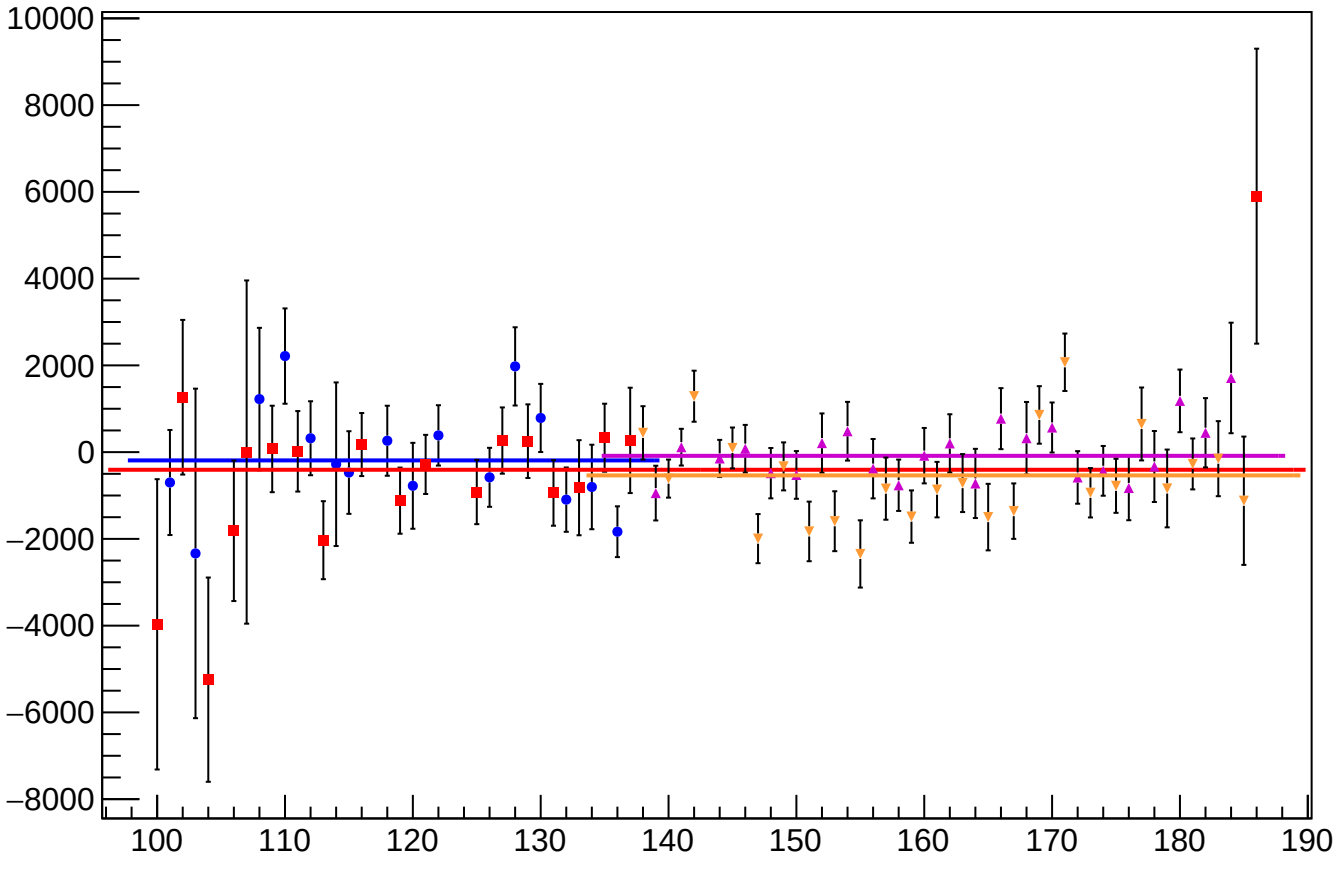
Right Out: 1265.973+/-0.326 χ^2/NDF: 440282.4/18

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1144.165+/-0.160 χ^2/NDF: 382356.2/39

All: 1149.905+/-0.113 χ^2/NDF: 985482.4/81

- sign 1155.725+/-0.161 χ^2/NDF: 600528.8/41



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -406.612+/-223.066 χ^2/NDF: 19.4/18

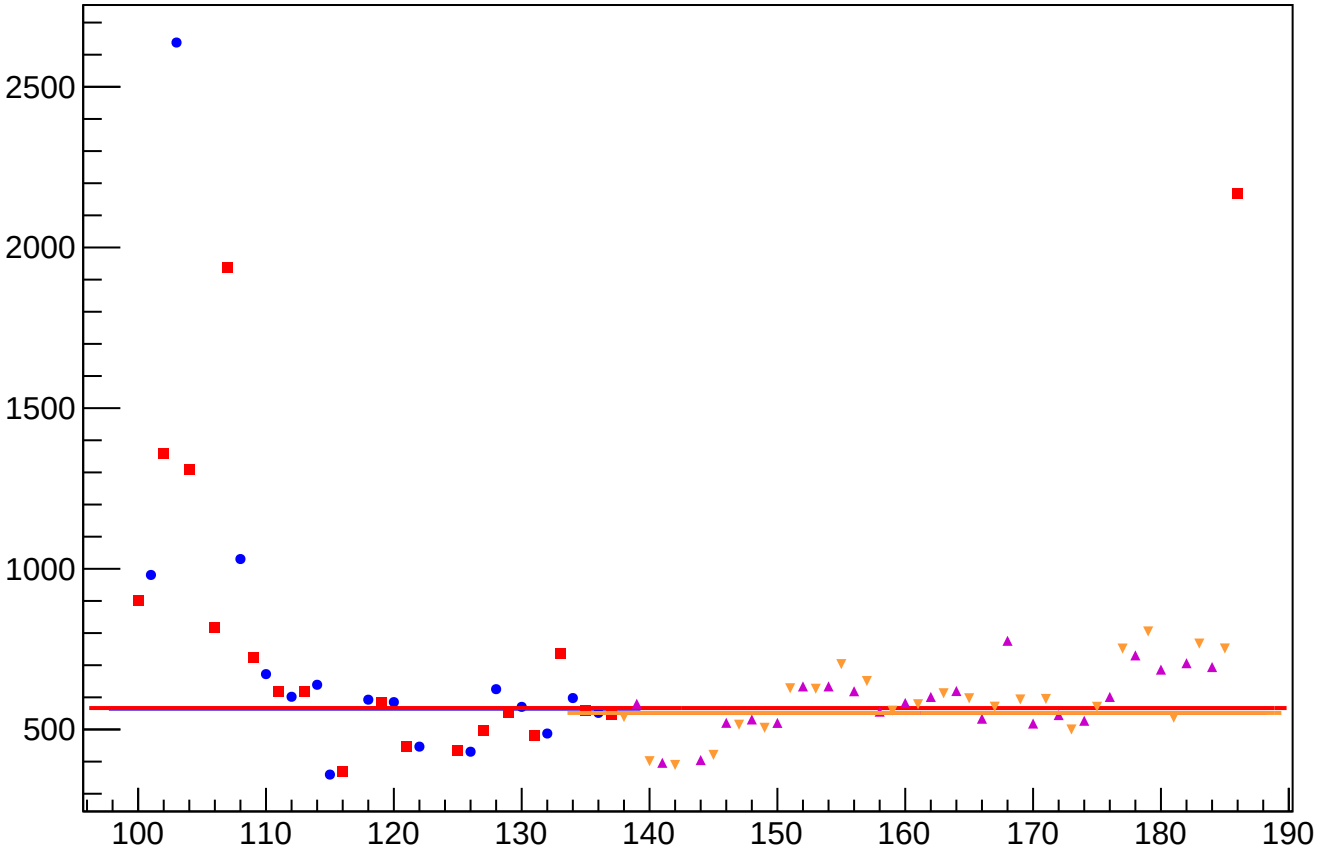
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -447.623+/-112.708 χ^2/NDF: 88.6/39

All: -307.909+/-79.778 χ^2/NDF: 129.8/81

\- sign -167.624+/-112.939 χ^2/NDF: 38.1/41

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 566.683+/-0.158 χ^2/NDF: 1775317.2/18

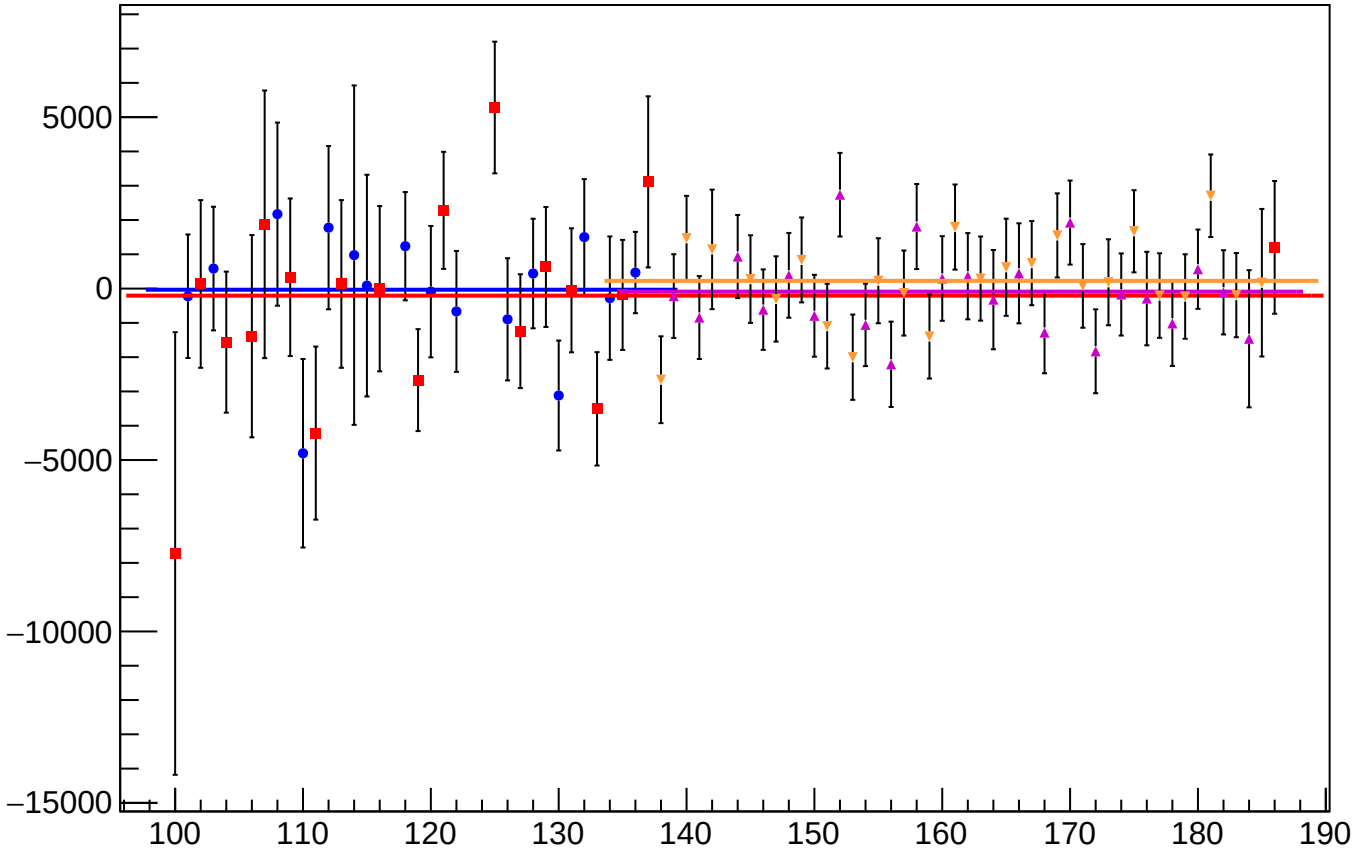
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 554.896+/-0.080 χ^2/NDF: 2516561.6/39

All: 555.082+/-0.056 χ^2/NDF: 5360662.4/81

- sign 555.270+/-0.080 χ^2/NDF: 2844089.8/41

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -205.459+/-469.394 χ^2/NDF: 24.8/18

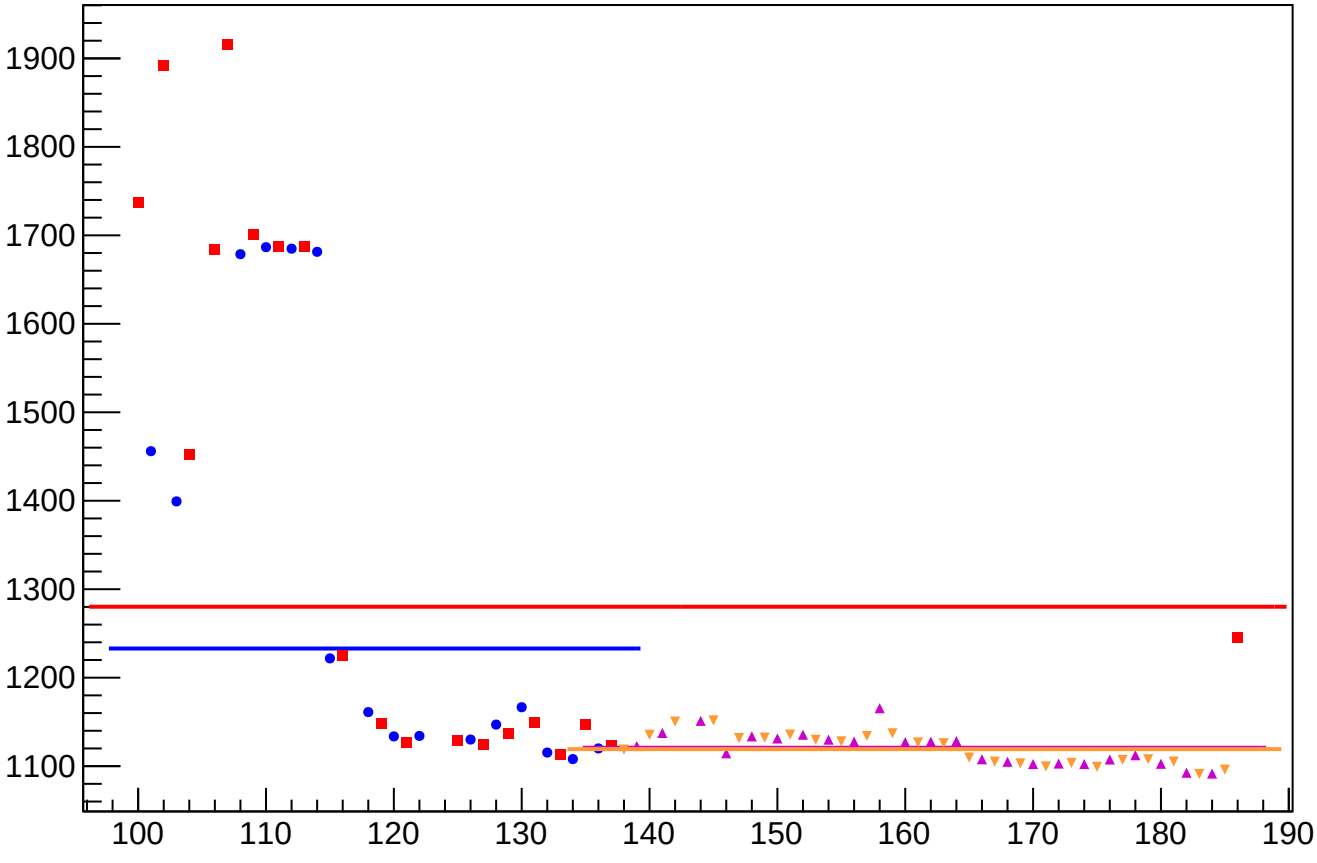
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 163.741+/-226.613 χ^2/NDF: 32.7/39

All: 24.747+/-160.933 χ^2/NDF: 78.9/81

- sign -116.678+/-228.587 χ^2/NDF: 45.4/41

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1280.214+/-0.332 χ^2/NDF: 544102.5/18

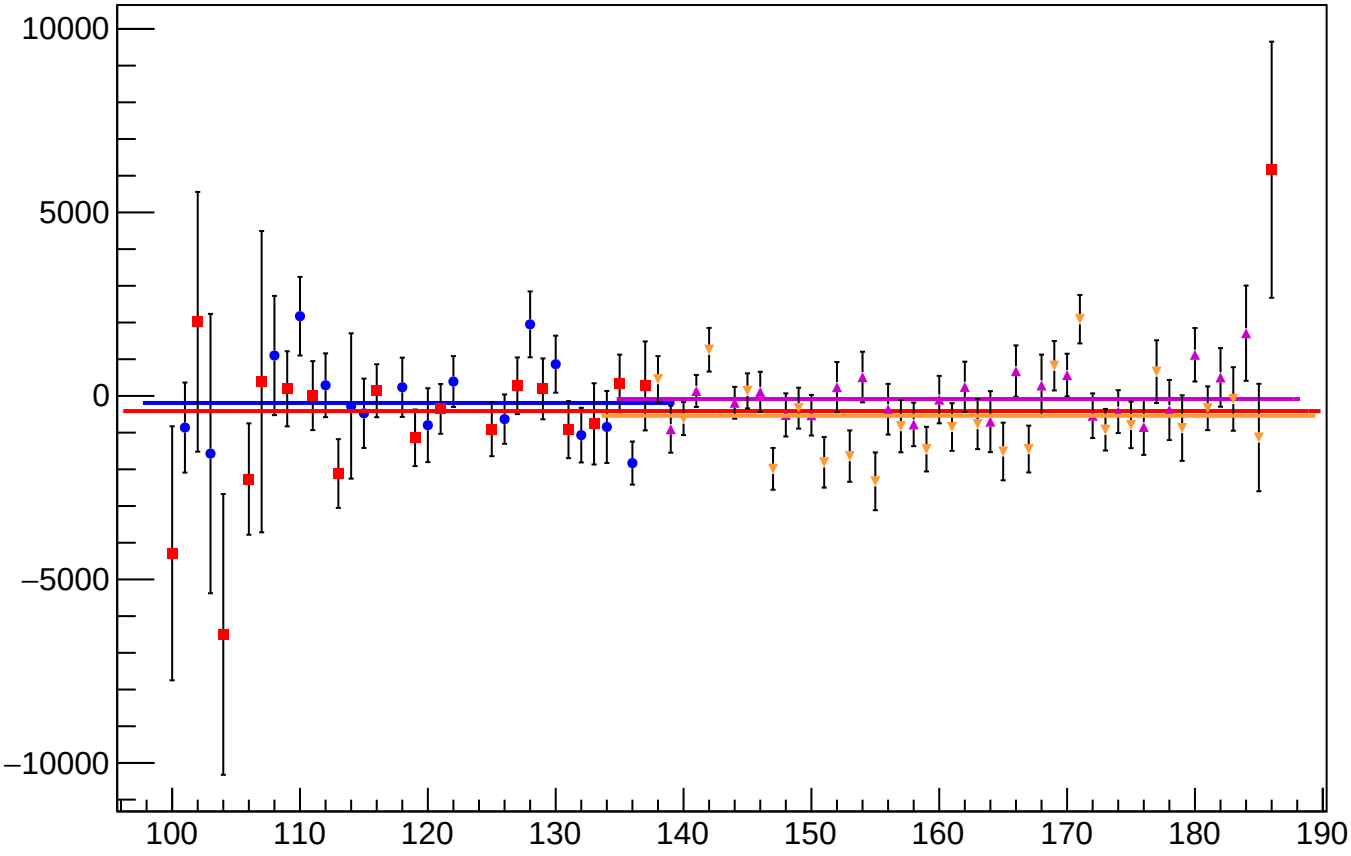
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1146.472+/-0.160 χ^2/NDF: 415284.8/39

All: 1152.486+/-0.114 χ^2/NDF: 1147627.6/81

- sign 1158.605+/-0.162 χ^2/NDF: 729500.7/41

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -411.890+/-226.124 χ^2/NDF: 18.2/18

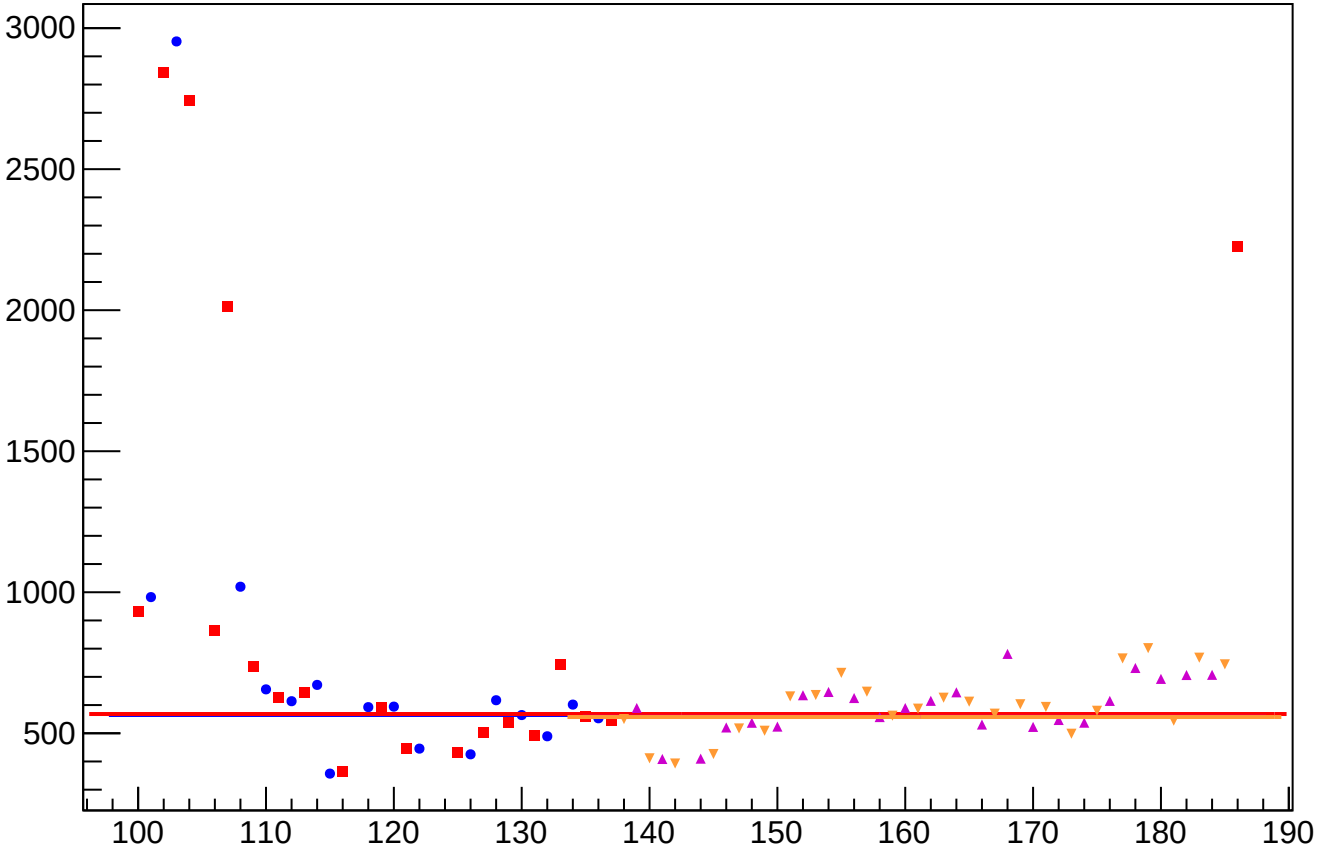
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -450.607+/-113.568 χ^2/NDF: 88.0/39

All: -310.246+/-80.580 χ^2/NDF: 127.2/81

- sign -167.942+/-114.351 χ^2/NDF: 36.2/41

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

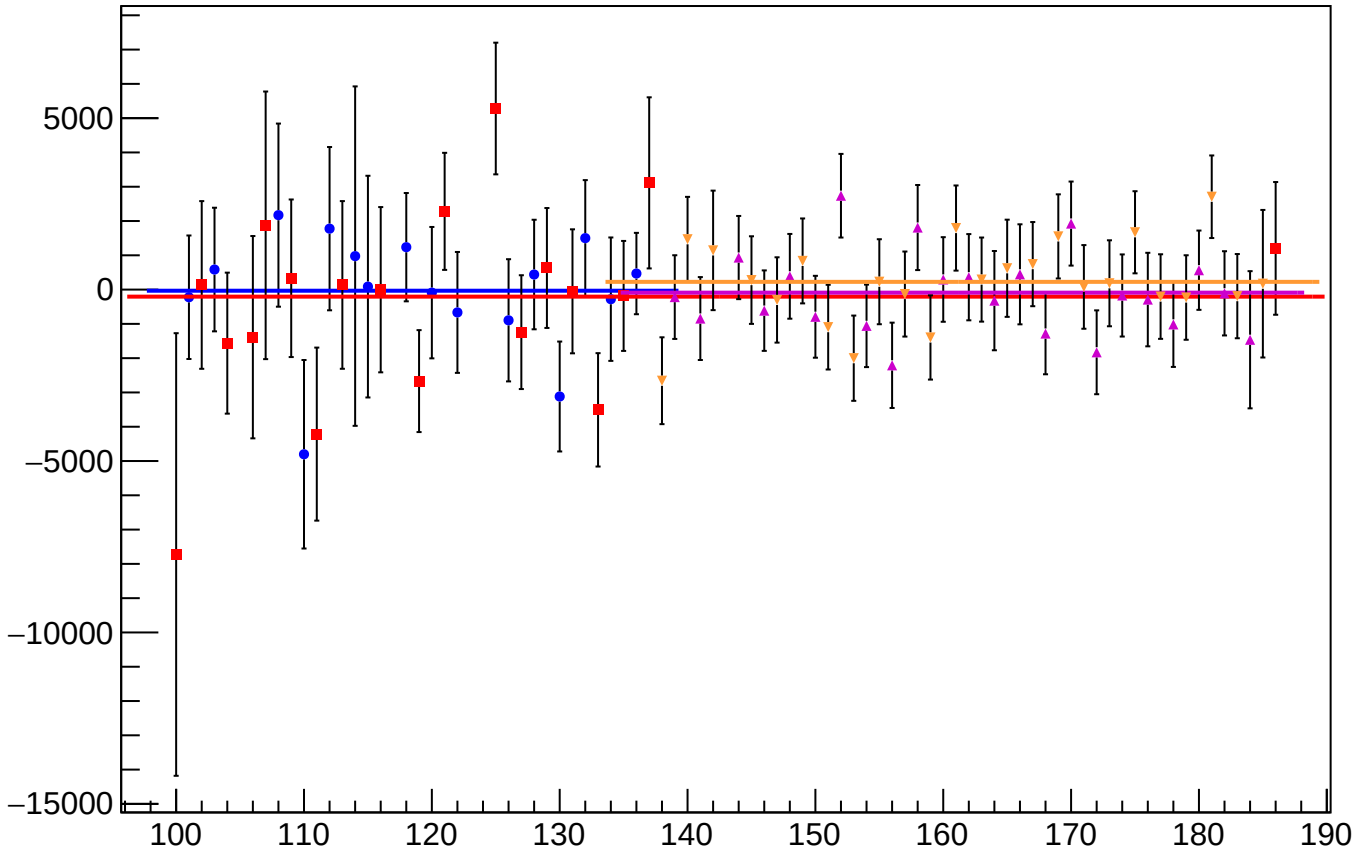
Right Out: 568.264+/-0.160 χ^2/NDF: 2726791.4/18

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 559.484+/-0.080 χ^2/NDF: 2675226.1/39

All: 560.196+/-0.057 χ^2/NDF: 6432826.8/81

- sign 560.917+/-0.081 χ^2/NDF: 3757442.4/41



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -205.458+/-469.394 χ^2/NDF: 24.8/18

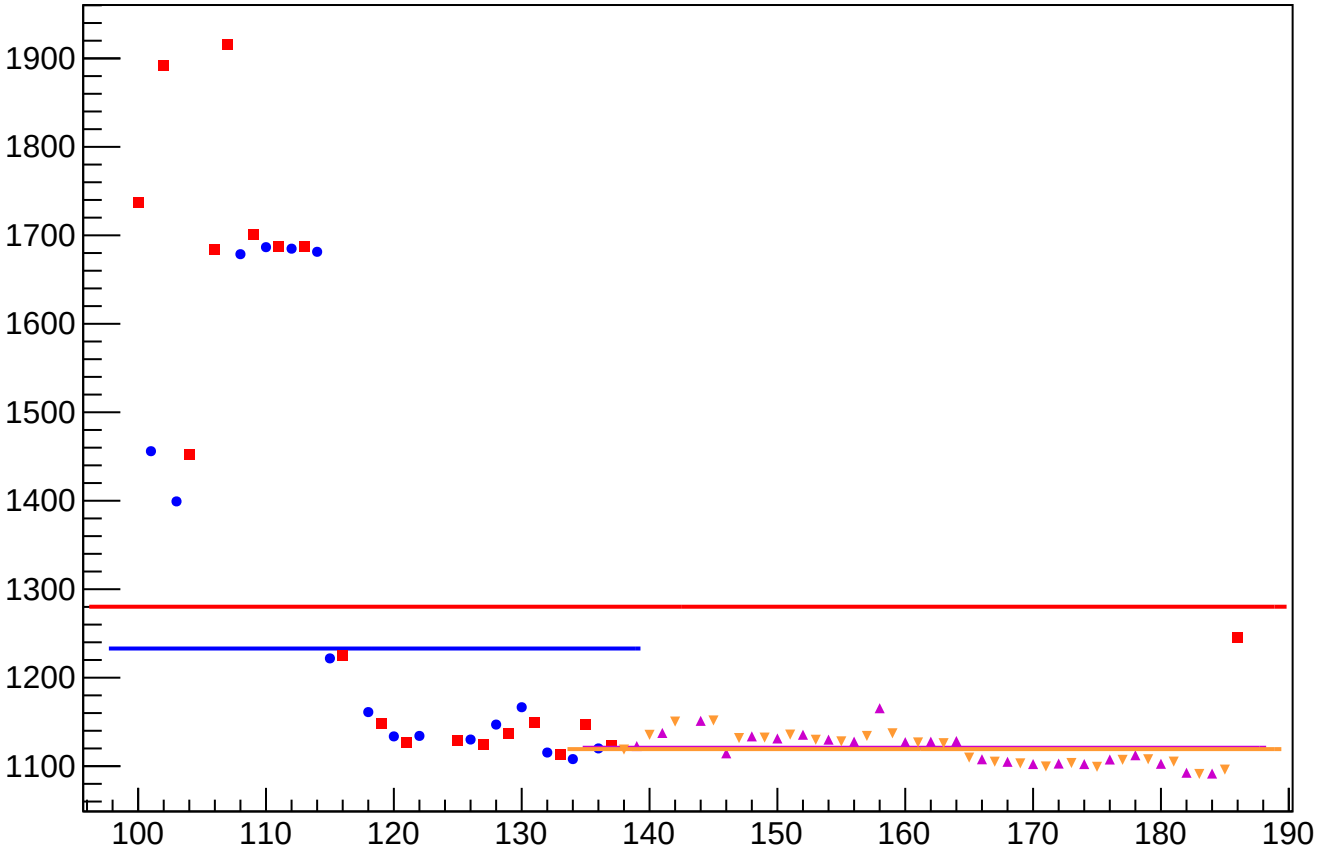
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 163.740+/-226.613 χ^2/NDF: 32.7/39

All: 24.747+/-160.933 χ^2/NDF: 78.9/81

- sign -116.678+/-228.587 χ^2/NDF: 45.4/41

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

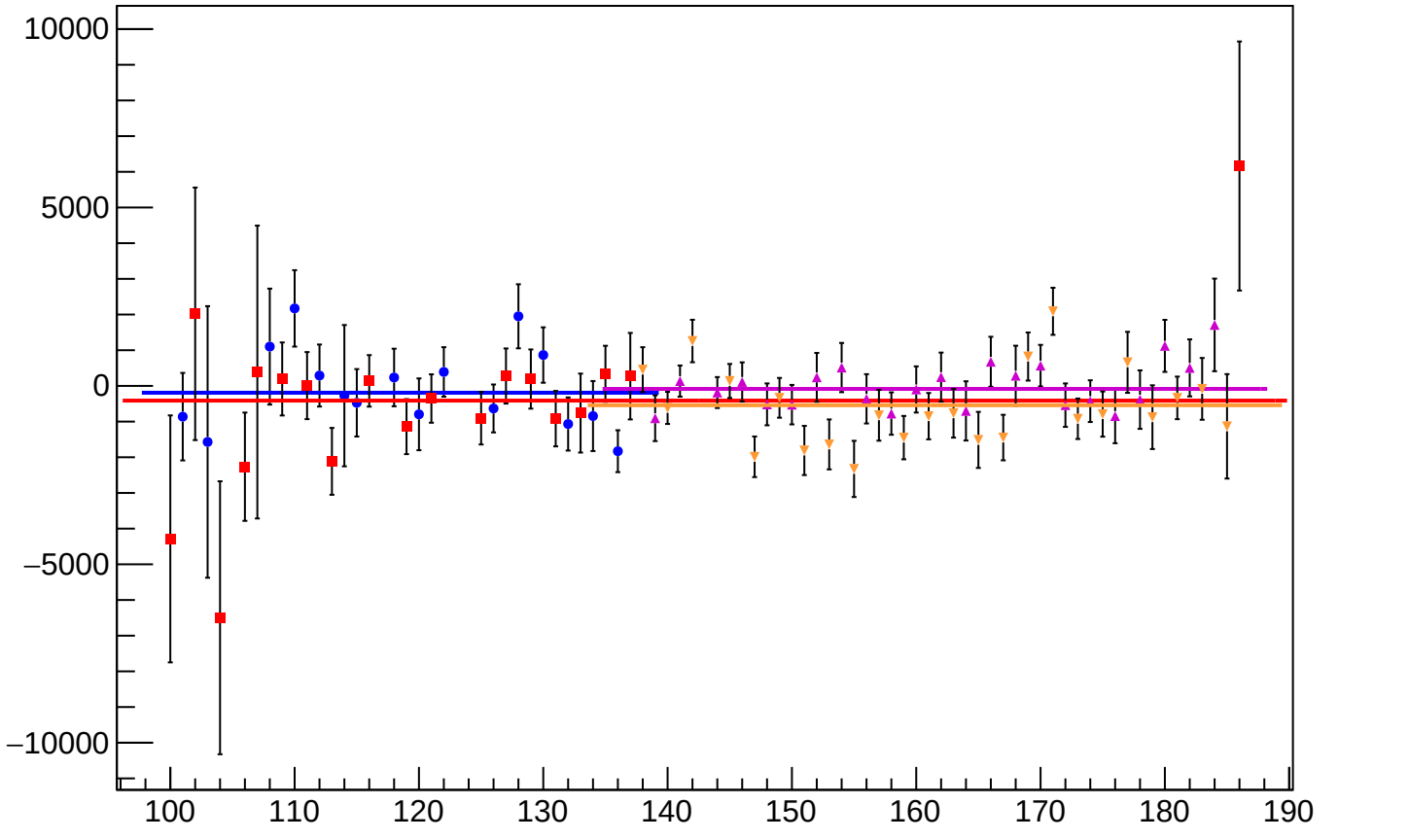
Right Out: 1280.214+/-0.332 χ^2/NDF: 544102.0/18

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1146.472+/-0.160 χ^2/NDF: 415284.3/39

All: 1152.486+/-0.114 χ^2/NDF: 1147626.3/81

- sign 1158.605+/-0.162 χ^2/NDF: 729500.0/41



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -411.890+/-226.124 χ^2/NDF: 18.2/18

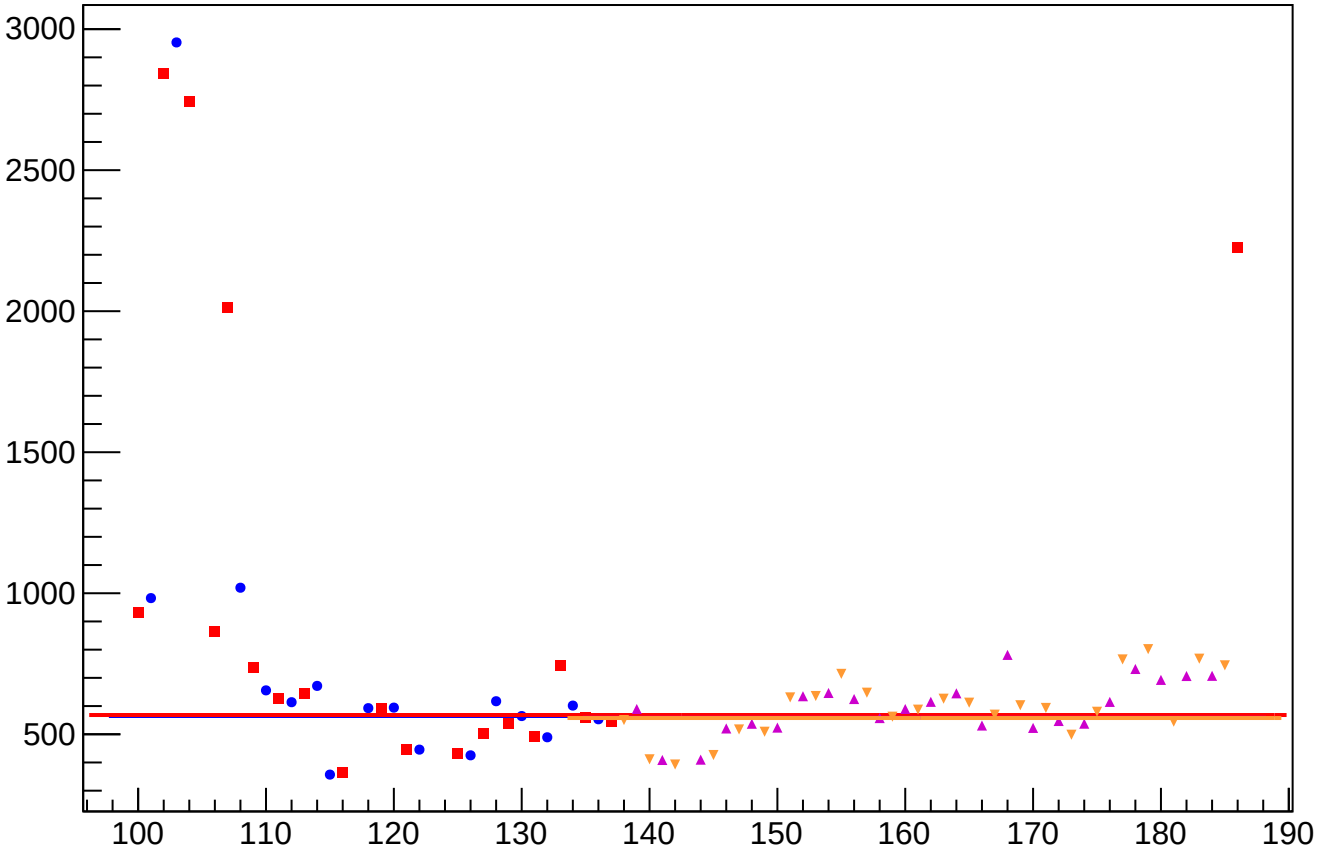
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -450.607+/-113.568 χ^2/NDF: 88.0/39

All: -310.245+/-80.580 χ^2/NDF: 127.2/81

- sign -167.942+/-114.351 χ^2/NDF: 36.2/41

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 568.264+/-0.160 χ^2/NDF: 2726792.1/18

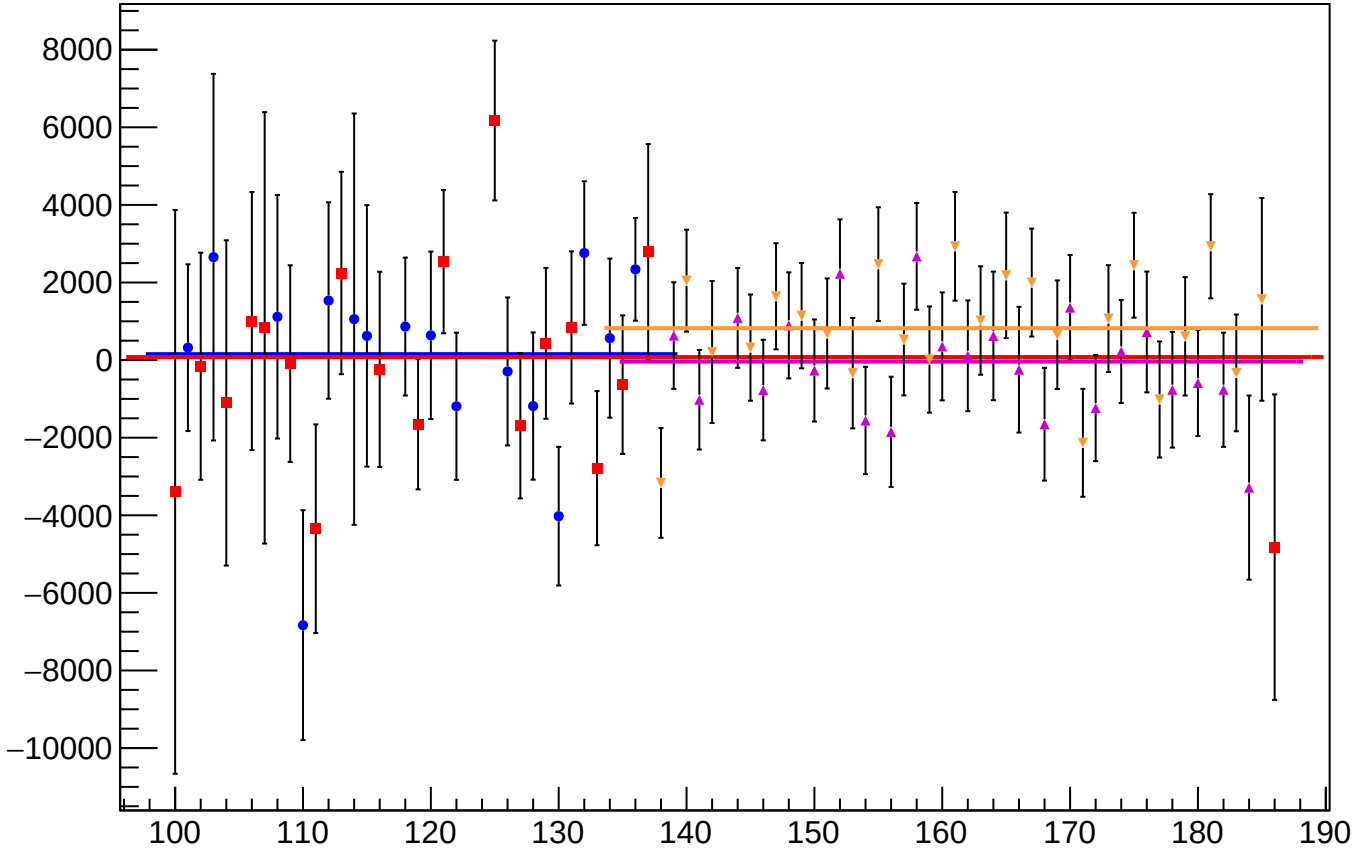
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 559.483+/-0.080 χ^2/NDF: 2675244.8/39

All: 560.195+/-0.057 χ^2/NDF: 6432861.1/81

- sign 560.917+/-0.081 χ^2/NDF: 3757458.0/41

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 78.660+/-544.860 χ^2/NDF: 21.2/18

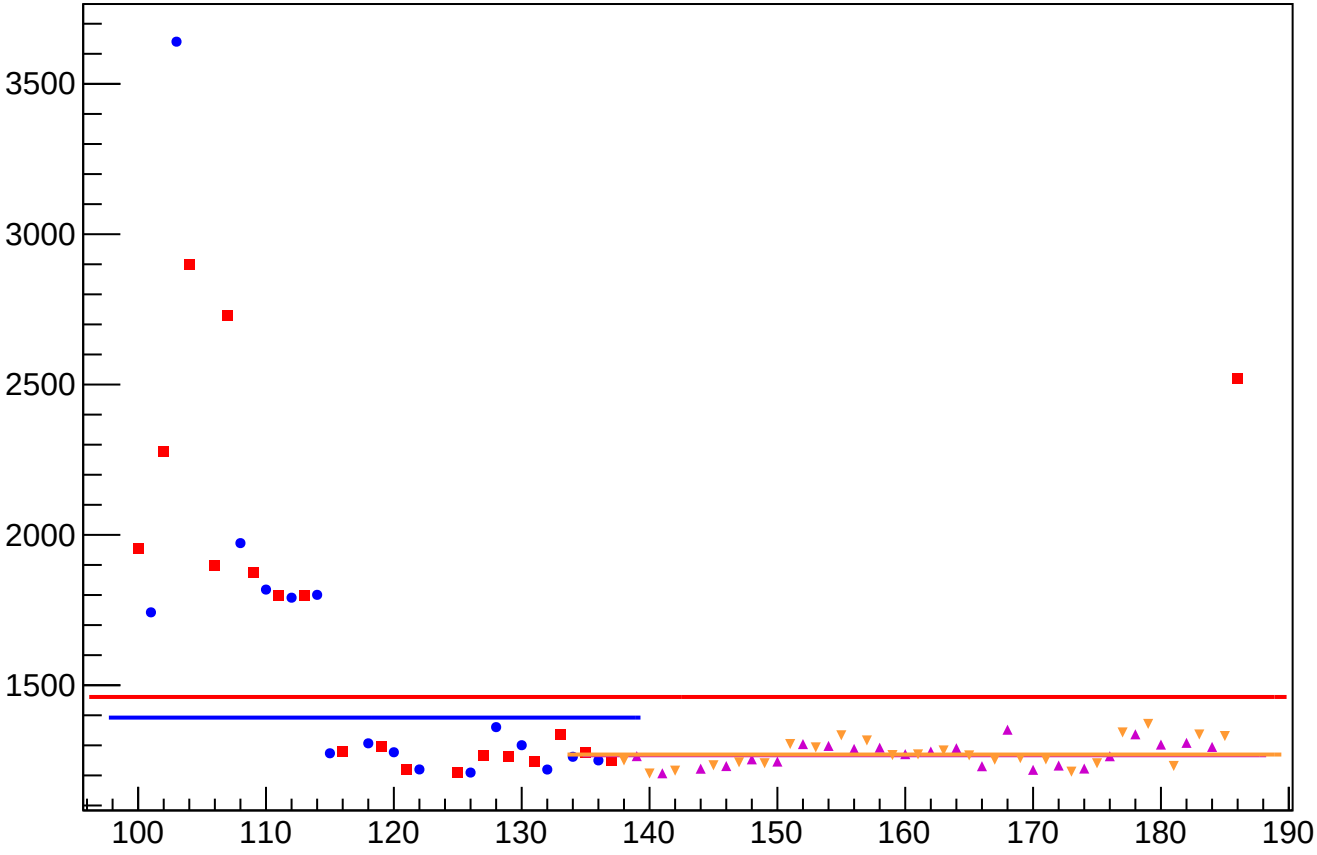
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 665.946+/-257.891 χ^2/NDF: 45.2/39

All: 329.505+/-183.133 χ^2/NDF: 87.7/81

- sign -12.724+/-260.101 χ^2/NDF: 39.1/41

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

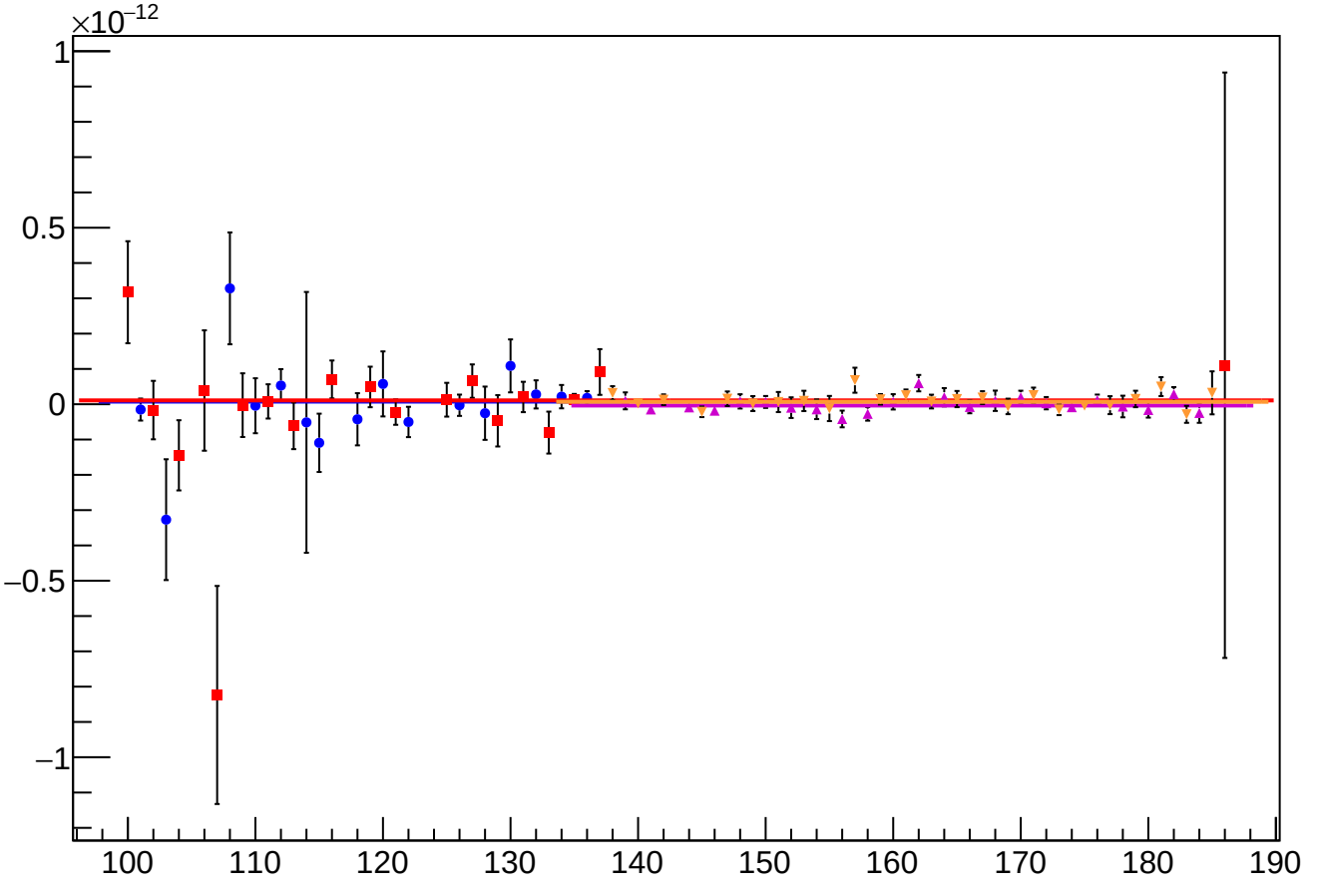
Right Out: 1460.924+/-0.385 χ^2/NDF: 1002768.6/18

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1298.301+/-0.182 χ^2/NDF: 903859.1/39

All: 1304.717+/-0.129 χ^2/NDF: 2139154.7/81

- sign 1311.243+/-0.184 χ^2/NDF: 1232798.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/18

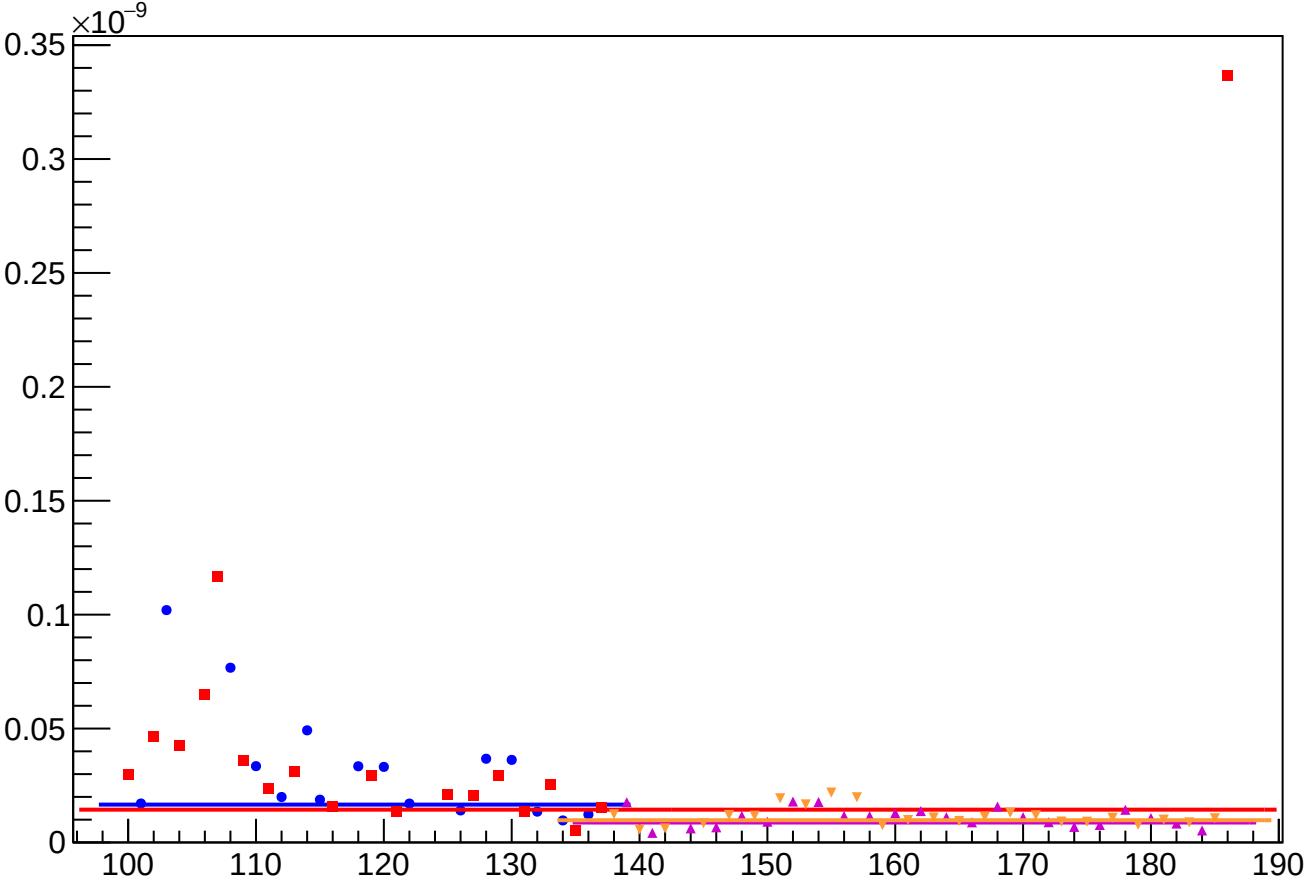
Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.6/39

All: 0.000+/-0.000 χ^2/NDF: 88.5/81

- sign -0.000+/-0.000 χ^2/NDF: 48.7/41

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2560355.3/18

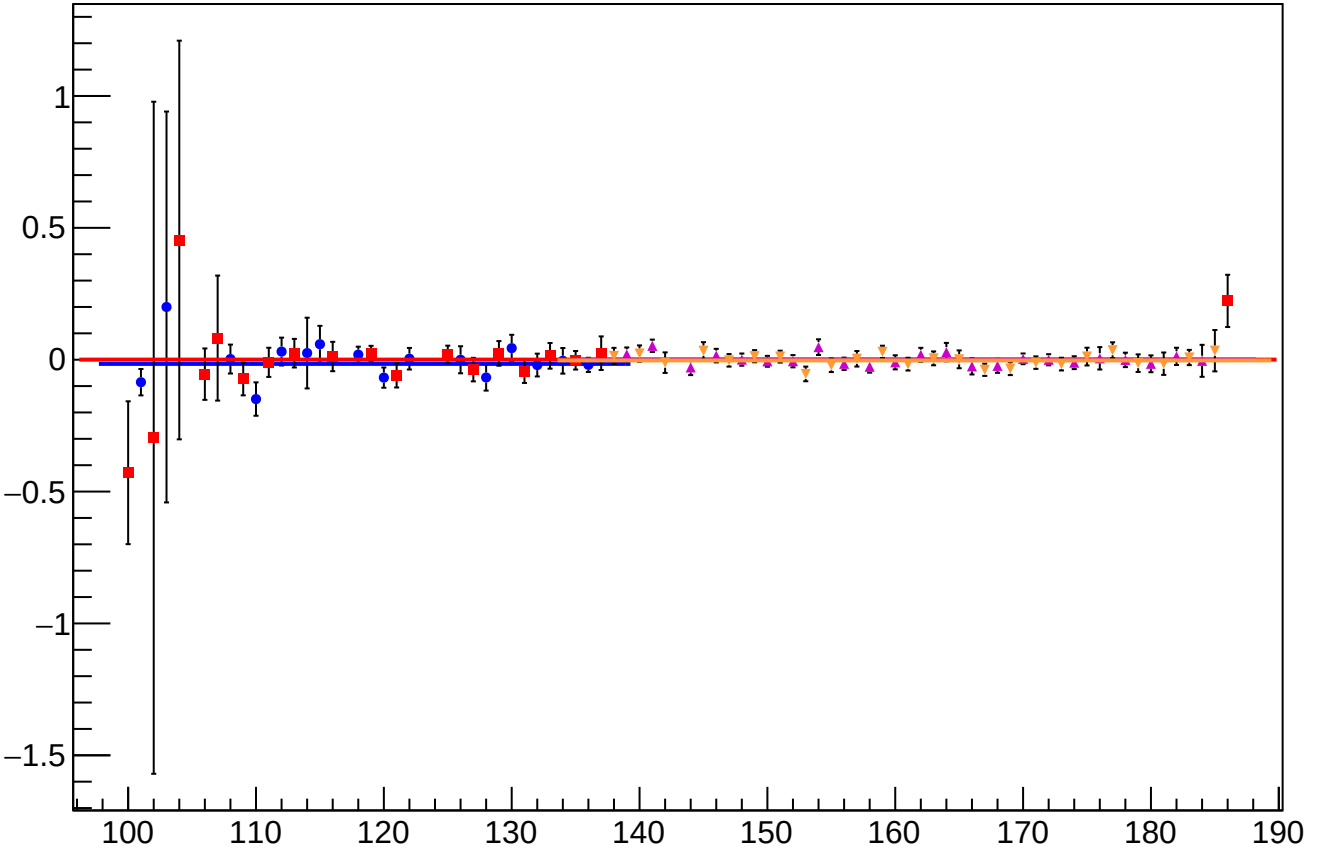
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 3648903.1/39

All: 0.000+/-0.000 χ^2/NDF: 8752695.6/81

- 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+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.000+/-0.012 χ^2/NDF: 15.0/18

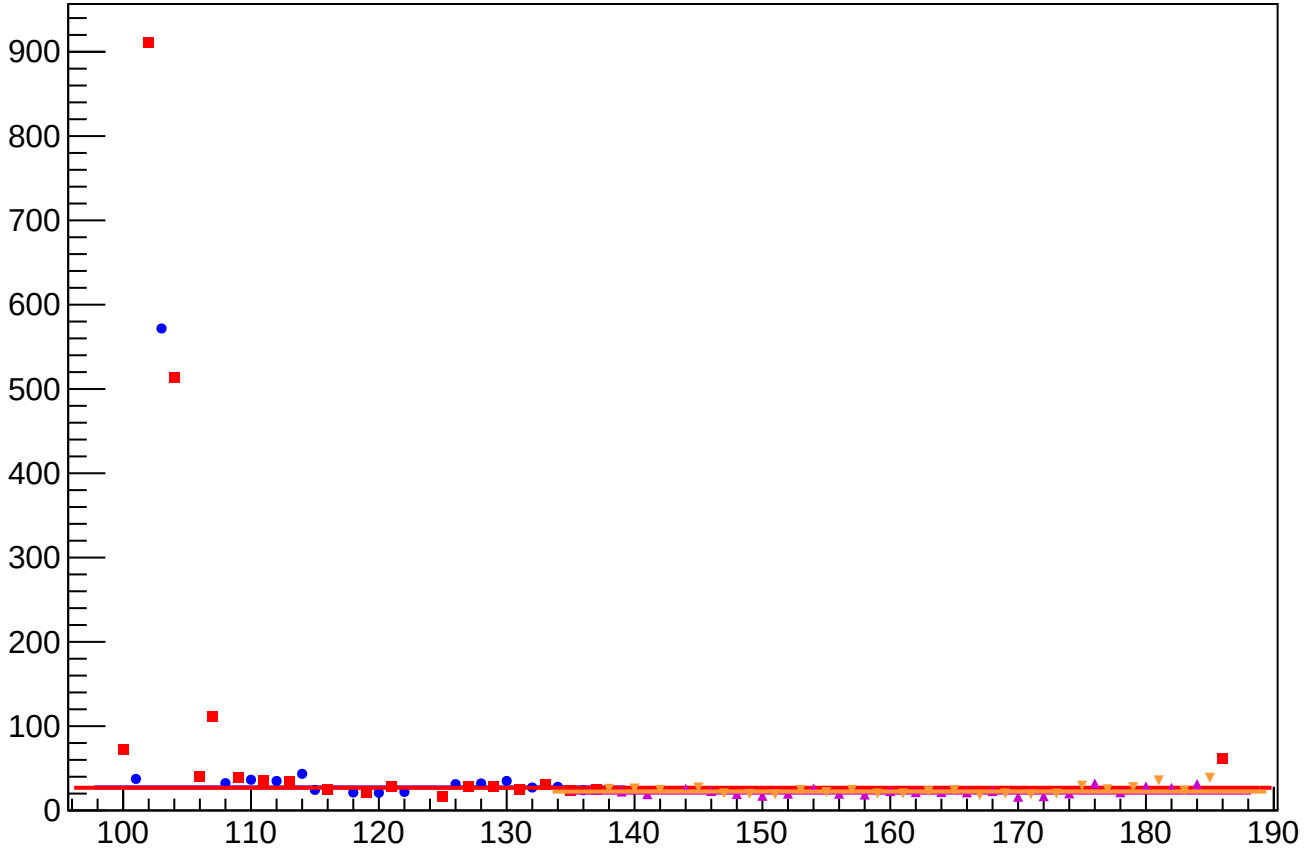
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.005+/-0.005 χ^2/NDF: 32.0/39

All: -0.002+/-0.004 χ^2/NDF: 62.6/81

\- sign 0.001+/-0.005 χ^2/NDF: 29.9/41

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

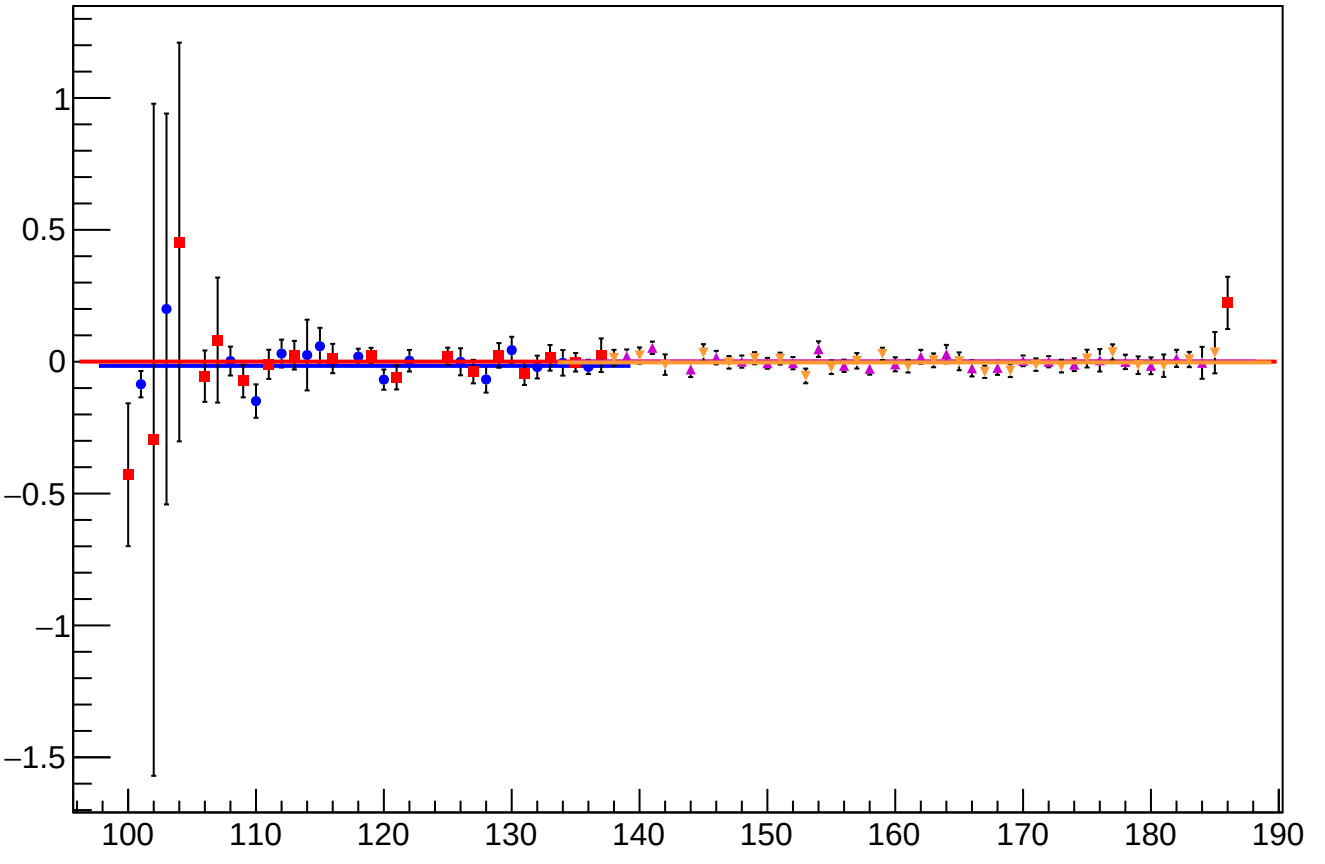
Right Out: 26.910+/-0.008 χ^2/NDF: 2862679.0/18

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.319+/-0.004 χ^2/NDF: 2679707.2/39

All: 22.697+/-0.003 χ^2/NDF: 6811518.2/81

- sign 22.107+/-0.004 χ^2/NDF: 4073845.5/41



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.000+/-0.012 χ^2/NDF: 15.0/18

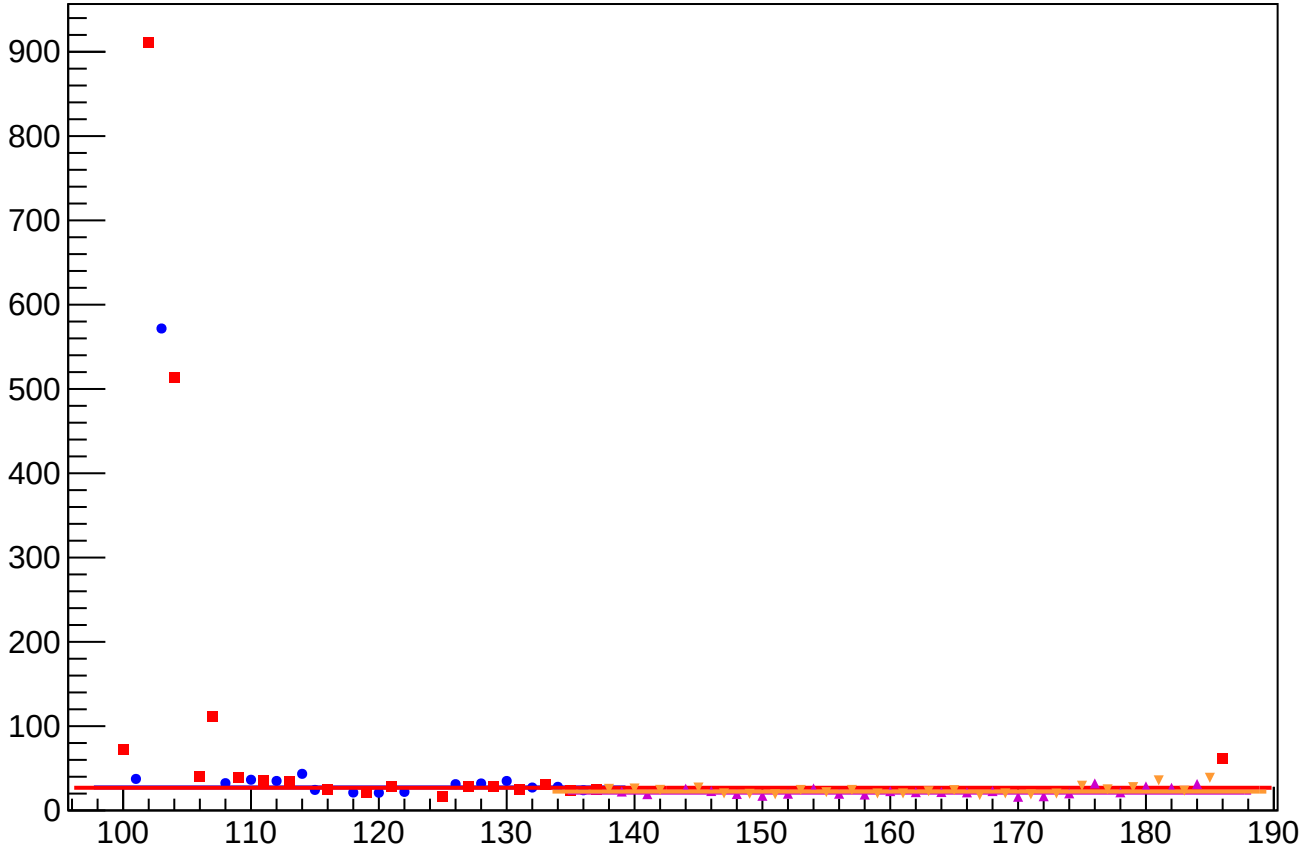
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.005+/-0.005 χ^2/NDF: 32.0/39

All: -0.002+/-0.004 χ^2/NDF: 62.6/81

\- sign 0.001+/-0.005 χ^2/NDF: 29.9/41

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

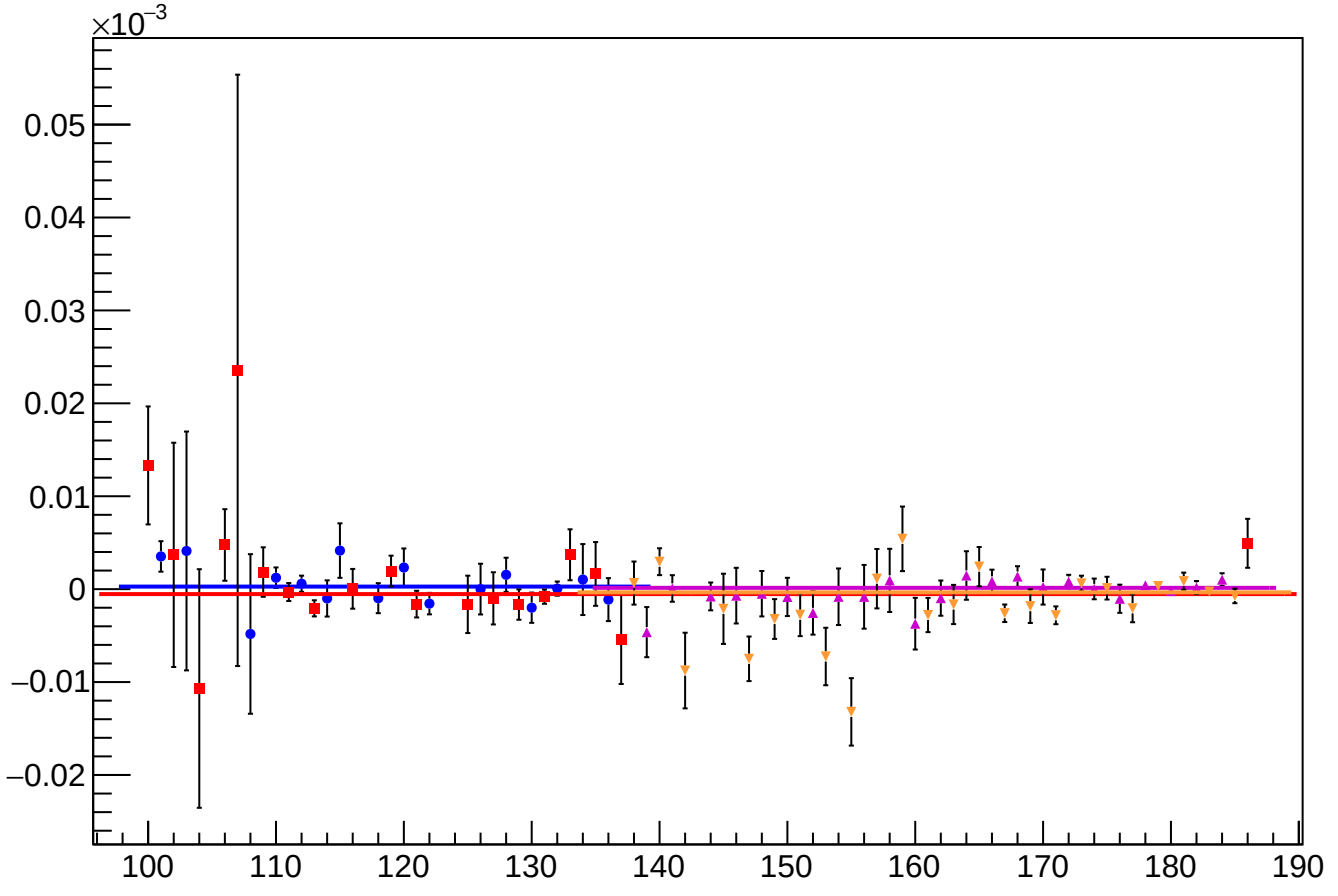
Right Out: 26.910+/-0.008 χ^2/NDF: 2862679.0/18

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.319+/-0.004 χ^2/NDF: 2679707.2/39

All: 22.697+/-0.003 χ^2/NDF: 6811518.2/81

- sign 22.107+/-0.004 χ^2/NDF: 4073845.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

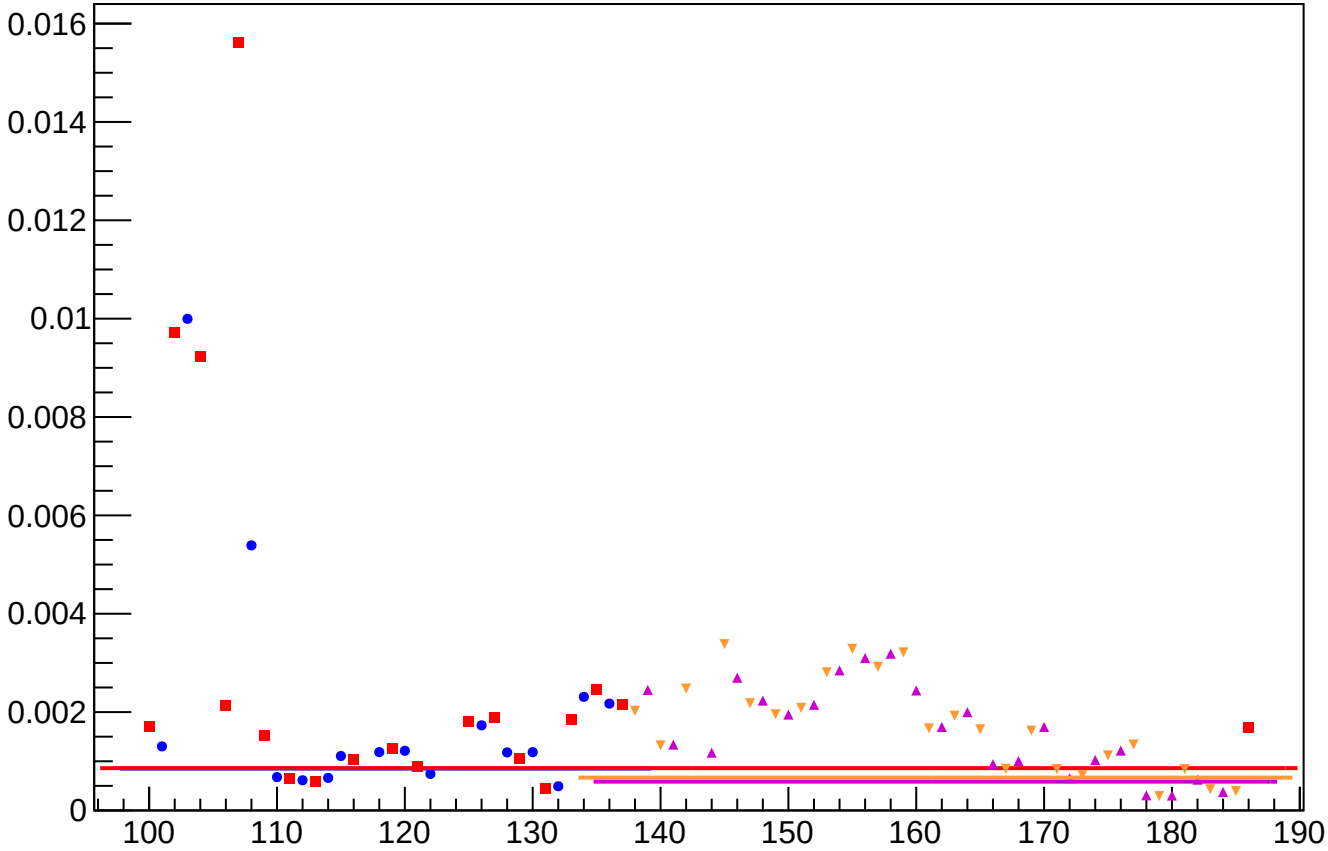
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 84.6/39

All: -0.000+/-0.000 χ^2/NDF: 125.7/81

- 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: 3863719.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

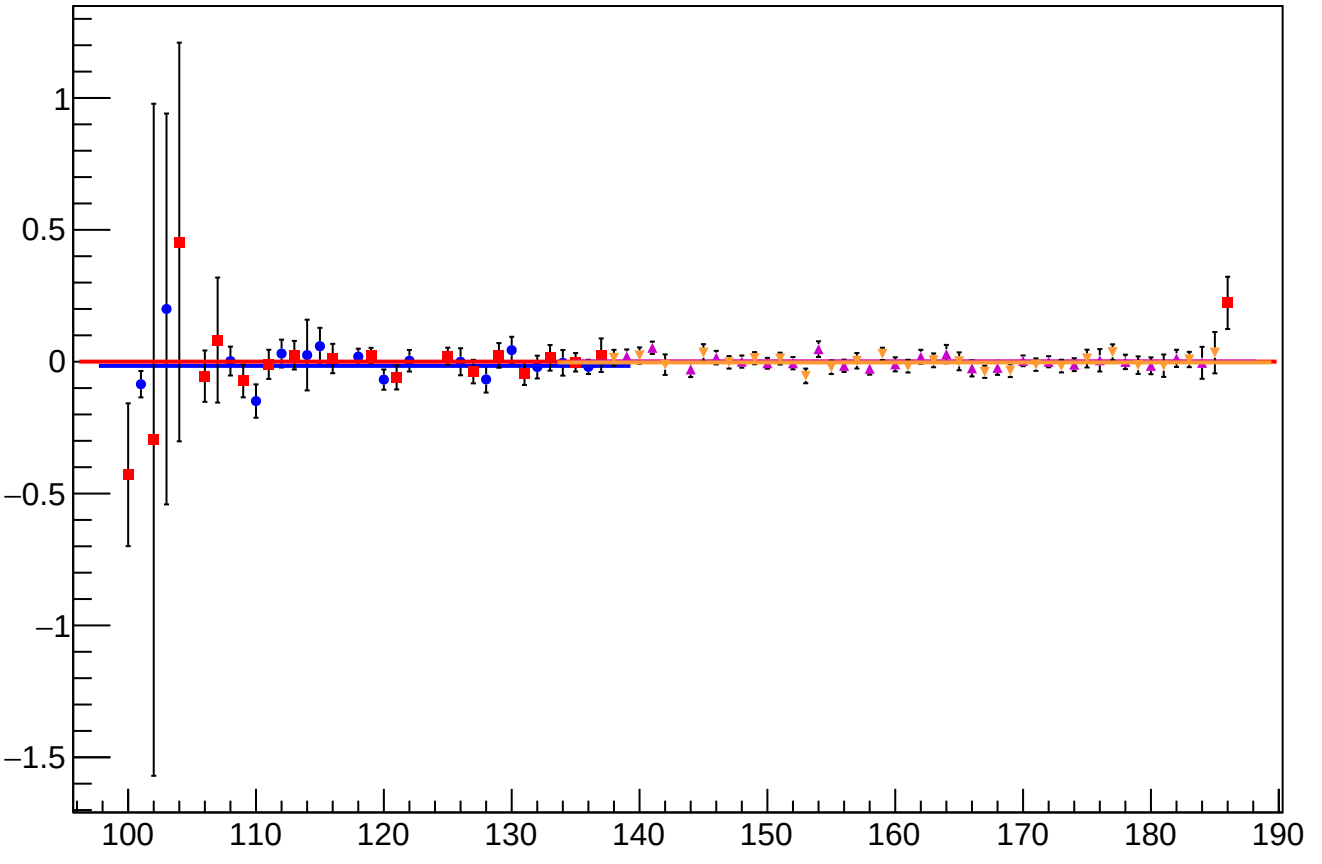
Right Out: 0.001+/-0.000 χ^2/NDF: 5243935.6/18

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 19611925.7/39

All: 0.001+/-0.000 χ^2/NDF: 41483000.5/81

- sign 0.001+/-0.000 χ^2/NDF: 21689478.8/41



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

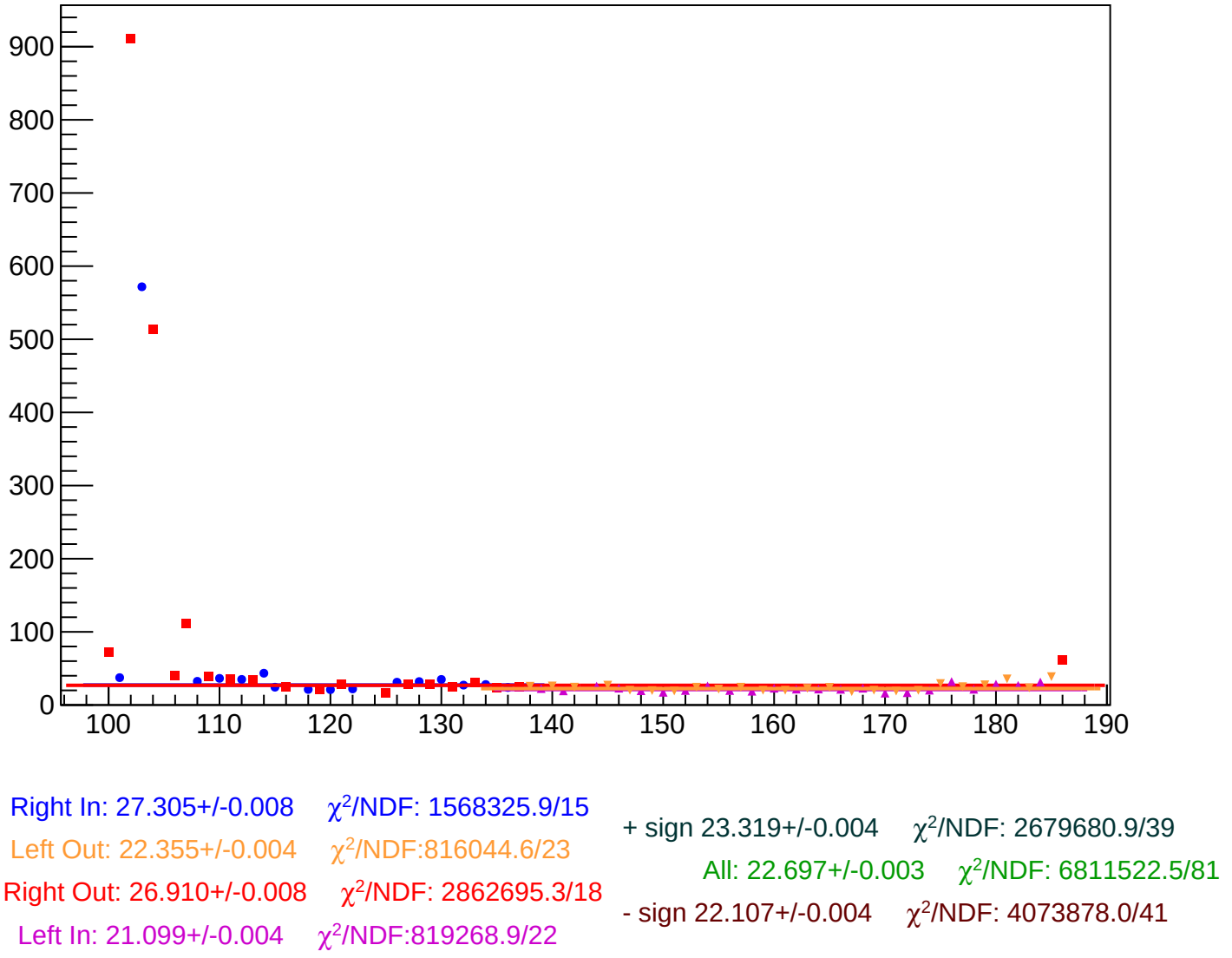
Right Out: 0.000+/-0.012 χ^2/NDF: 15.0/18

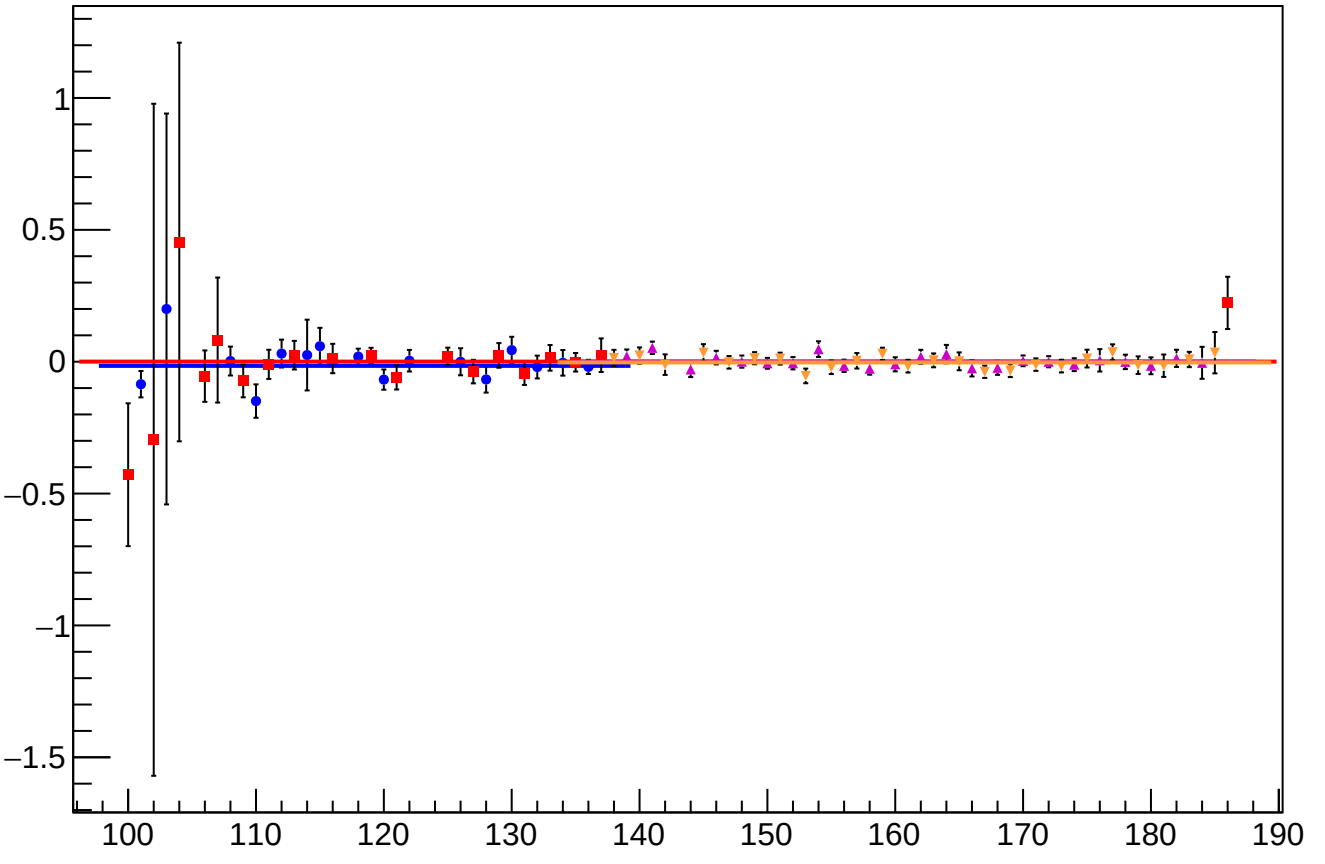
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.005+/-0.005 χ^2/NDF: 32.0/39

All: -0.002+/-0.004 χ^2/NDF: 62.6/81

\- sign 0.001+/-0.005 χ^2/NDF: 29.9/41


asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
180
190
Right In: 27.305+/-0.008 χ²/NDF: 1568325.9/15
Left Out: 22.355+/-0.004 χ²/NDF:816044.6/23
Right Out: 26.910+/-0.008 χ²/NDF: 2862695.3/18
Left In: 21.099+/-0.004 χ²/NDF:819268.9/22
+ sign 23.319+/-0.004 χ²/NDF: 2679680.9/39
All: 22.697+/-0.003 χ²/NDF: 6811522.5/81
- sign 22.107+/-0.004 χ²/NDF: 4073878.0/41



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.000+/-0.012 χ^2/NDF: 15.0/18

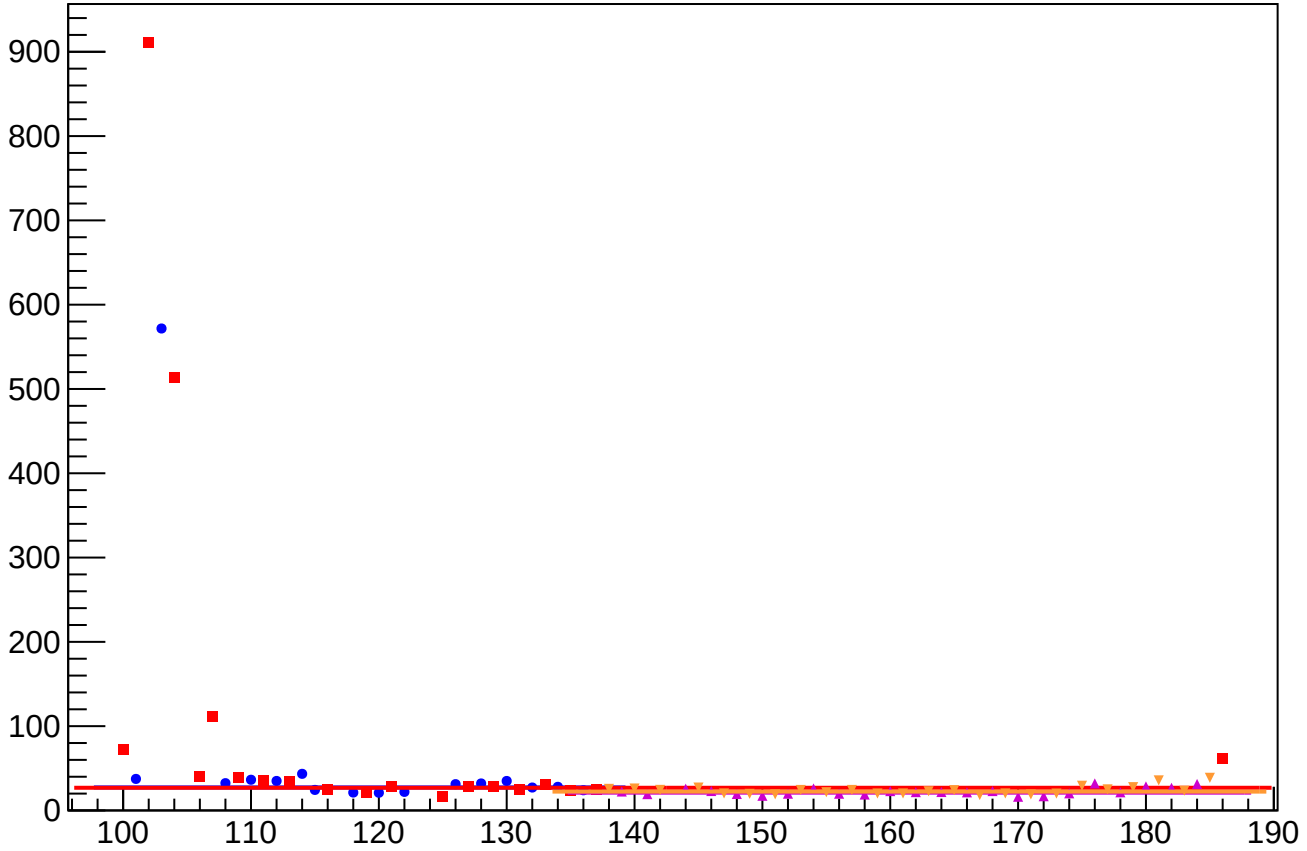
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.005+/-0.005 χ^2/NDF: 32.0/39

All: -0.002+/-0.004 χ^2/NDF: 62.6/81

\- sign 0.001+/-0.005 χ^2/NDF: 29.9/41

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

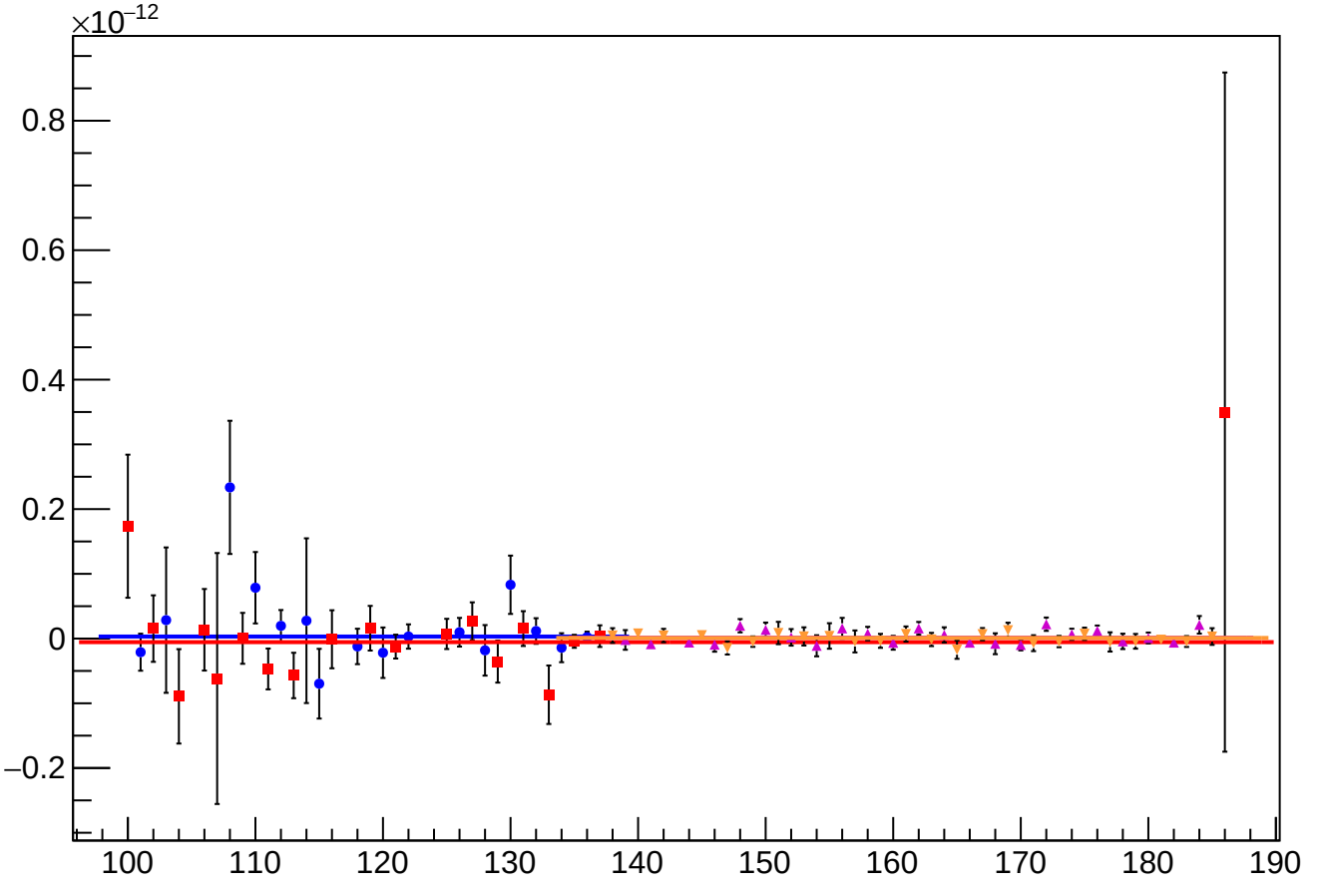
Right Out: 26.910+/-0.008 χ^2/NDF: 2862695.3/18

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

\+ sign 23.319+/-0.004 χ^2/NDF: 2679680.9/39

All: 22.697+/-0.003 χ^2/NDF: 6811522.5/81

\- sign 22.107+/-0.004 χ^2/NDF: 4073878.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

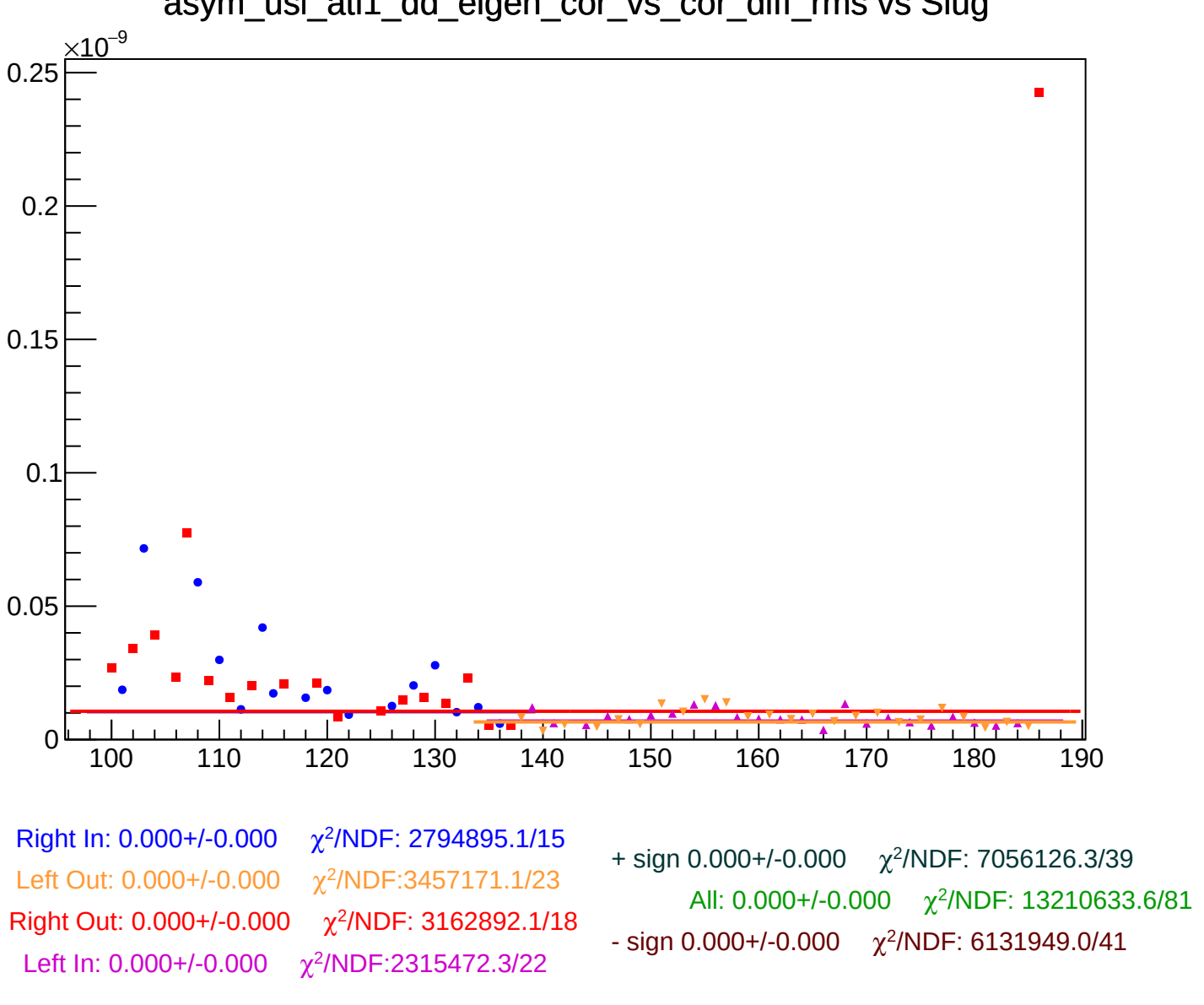
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

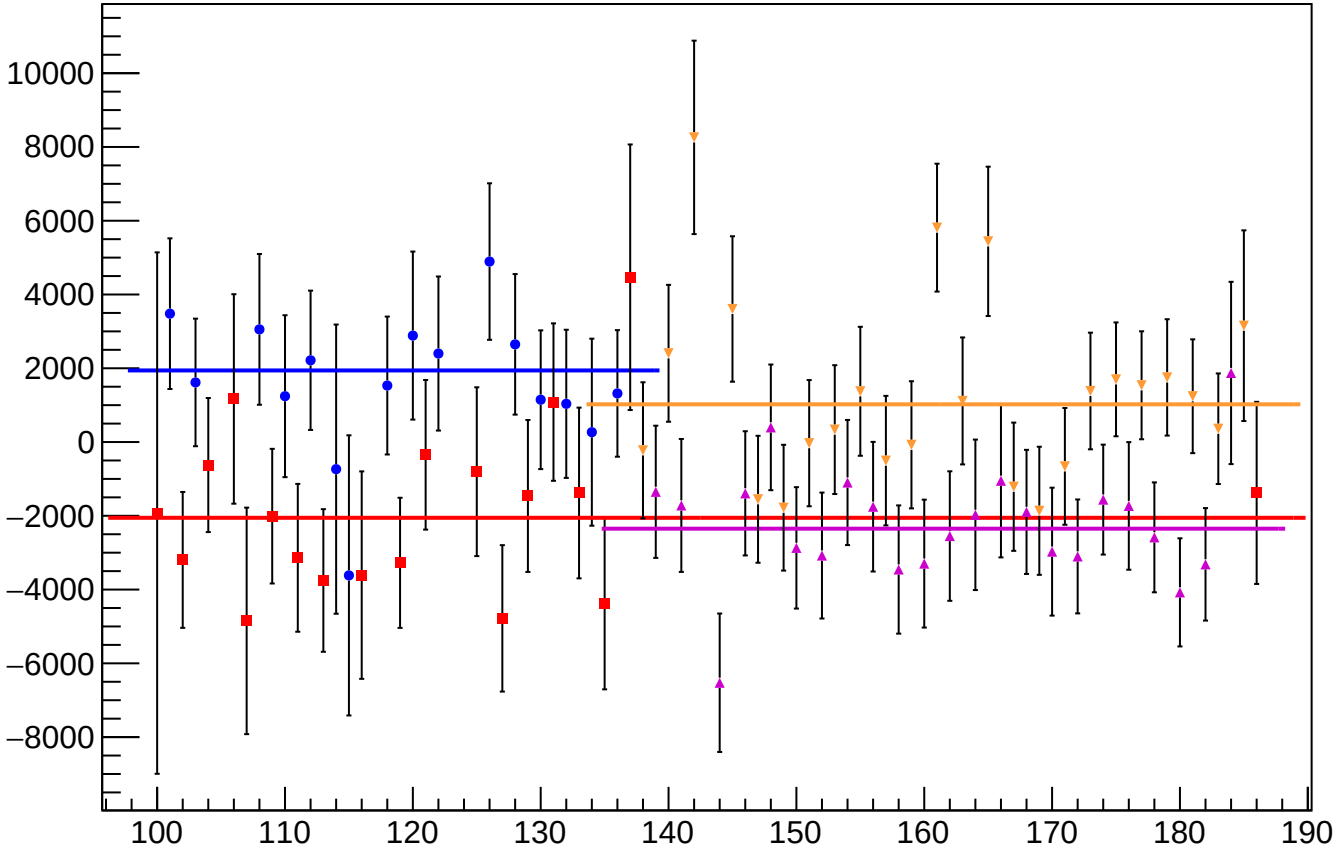
+ sign 0.000+/-0.000 χ^2/NDF: 26.7/39

All: 0.000+/-0.000 χ^2/NDF: 69.4/81

- sign 0.000+/-0.000 χ^2/NDF: 42.6/41


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3457171.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 3162892.1/18
Left In: 0.000+/-0.000 χ²/NDF:2315472.3/22
+ sign 0.000+/-0.000 χ²/NDF: 7056126.3/39
All: 0.000+/-0.000 χ²/NDF: 13210633.6/81
- sign 0.000+/-0.000 χ²/NDF: 6131949.0/41

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2054.055+/-508.445 χ^2/NDF: 14.6/18

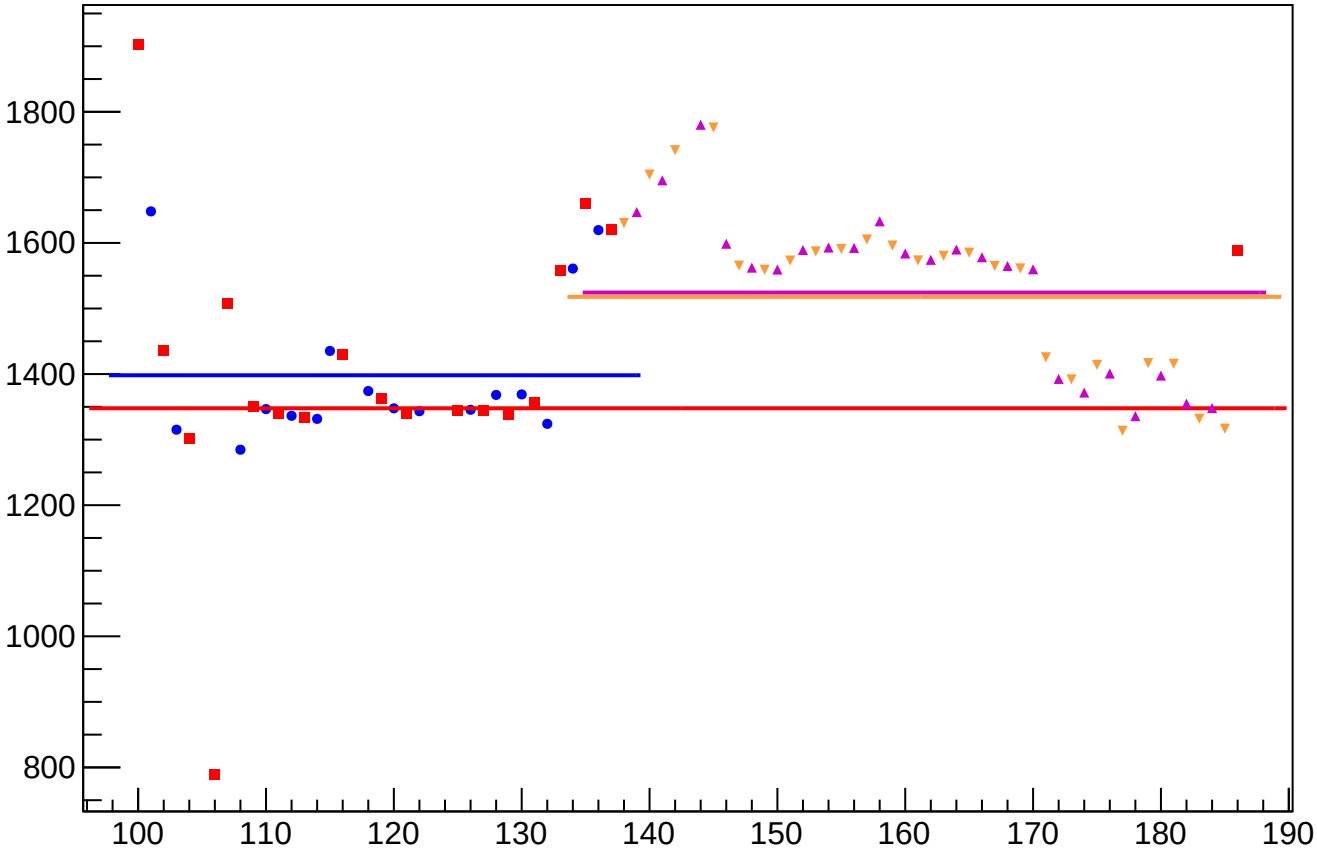
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1311.173+/-292.706 χ^2/NDF: 45.5/39

All: -473.296+/-206.798 χ^2/NDF: 150.5/81

- sign -2251.708+/-292.209 χ^2/NDF: 30.8/41

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1347.809+/-0.349 χ^2/NDF: 337507.0/18

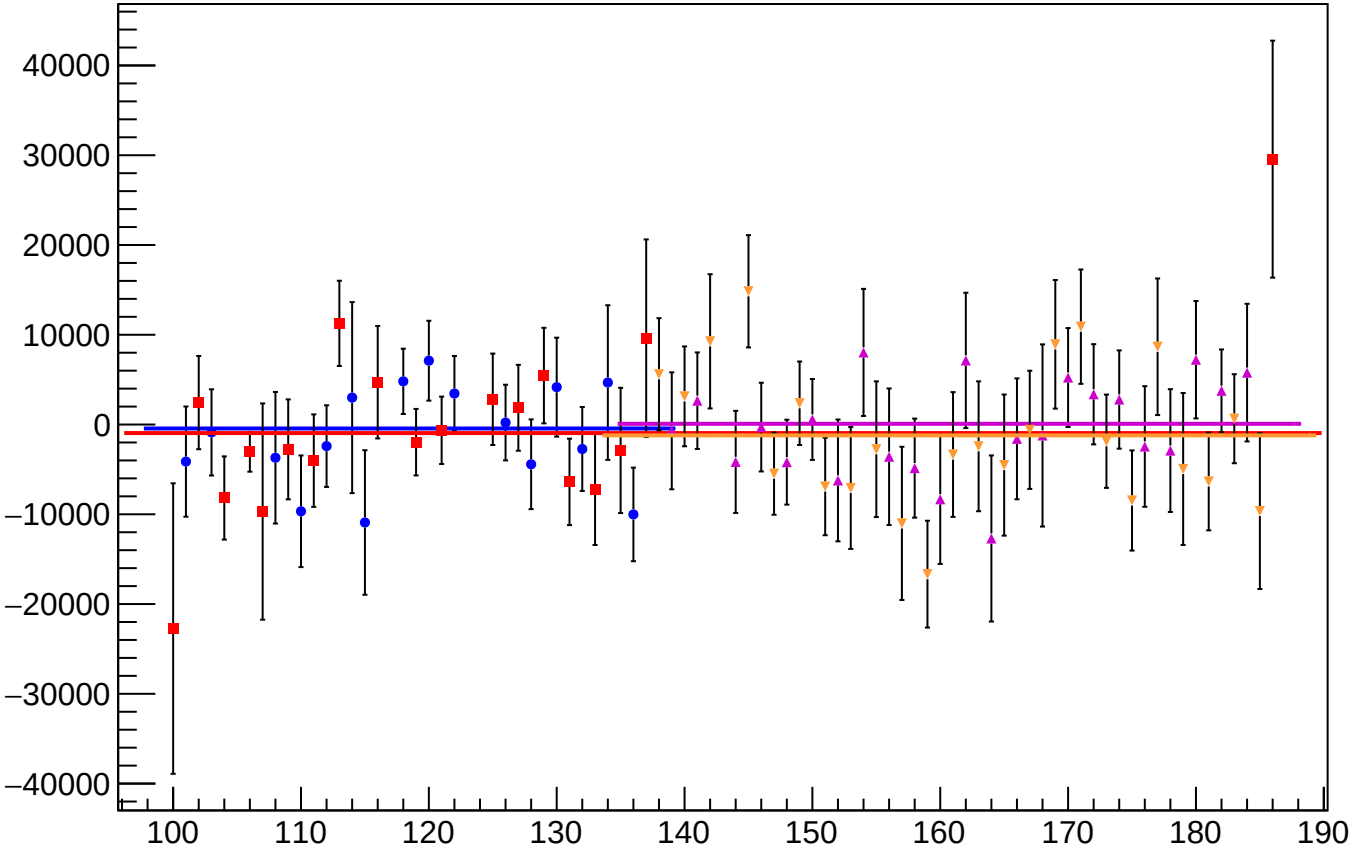
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1480.218+/-0.207 χ^2/NDF: 399899.7/39

All: 1471.815+/-0.145 χ^2/NDF: 1133054.1/81

- sign 1463.612+/-0.205 χ^2/NDF: 729897.3/41

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -951.850+/-1115.880 χ^2/NDF: 25.0/18

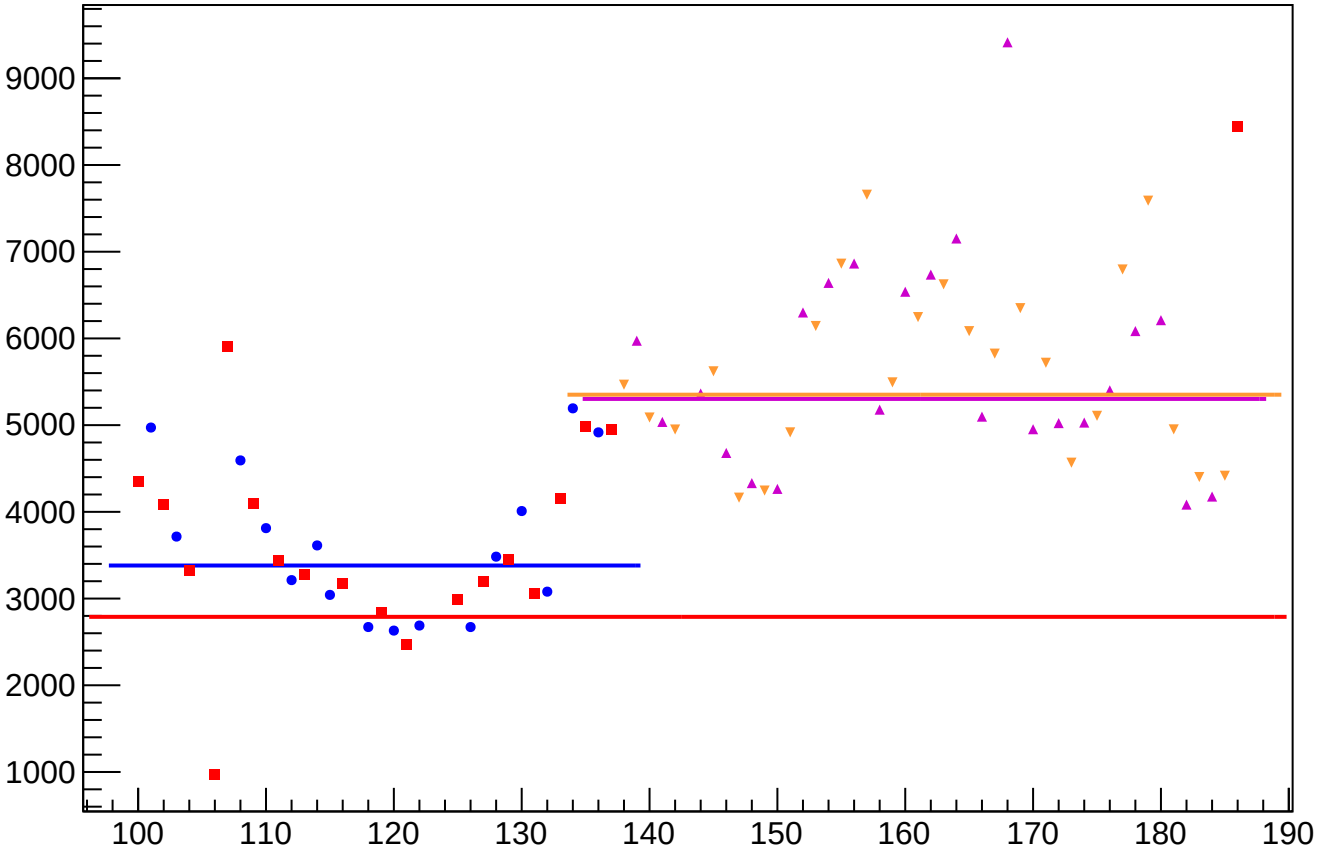
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -834.810+/-906.435 χ^2/NDF: 49.3/39

All: -653.850+/-614.786 χ^2/NDF: 88.0/81

- sign -499.688+/-836.631 χ^2/NDF: 38.6/41

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 2789.104+/-0.789 χ^2/NDF: 2634702.2/18

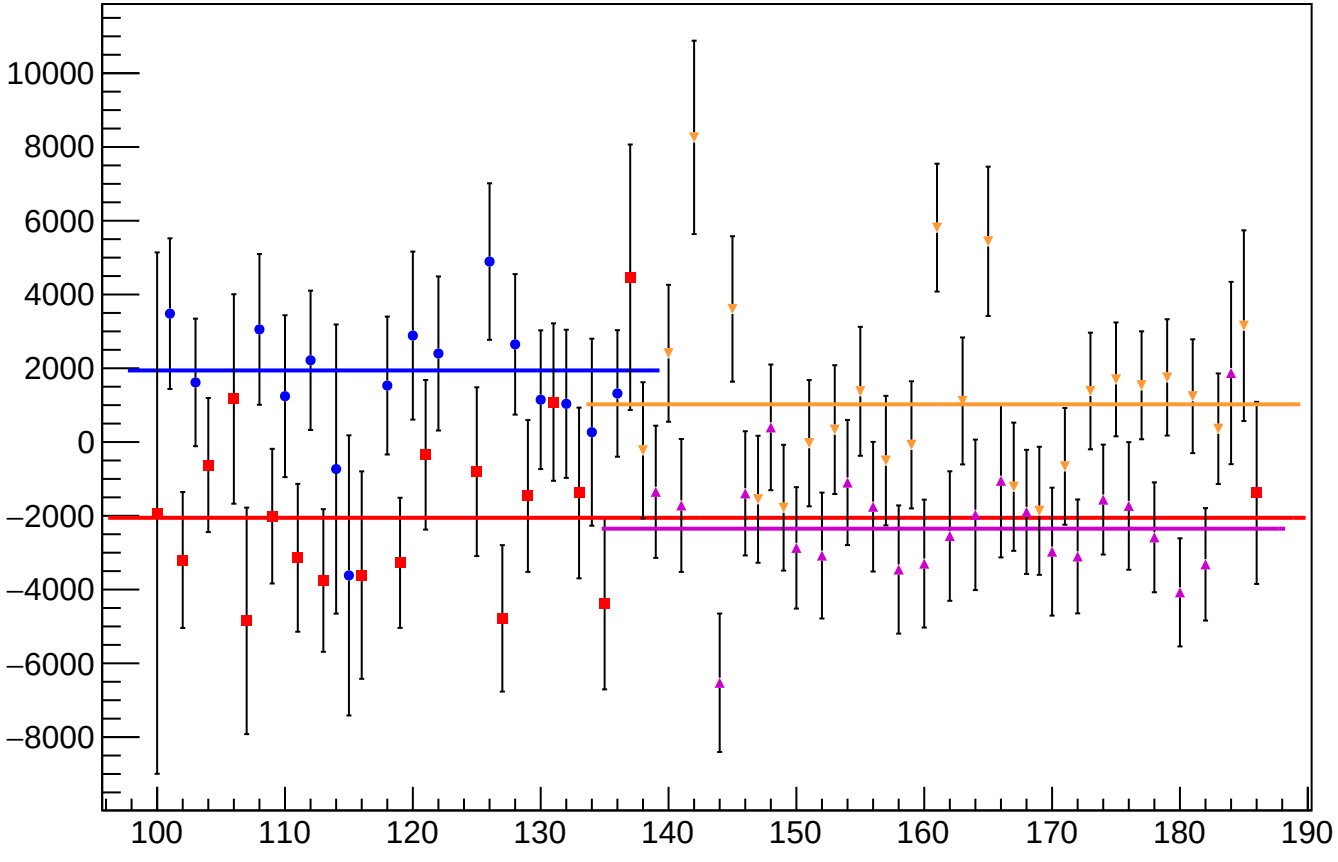
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4387.324+/-0.641 χ^2/NDF: 4183842.8/39

All: 4118.517+/-0.435 χ^2/NDF: 12842370.7/8

- sign 3889.518+/-0.592 χ^2/NDF: 8332798.3/41

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2054.257+/-508.448 χ^2/NDF: 14.6/18

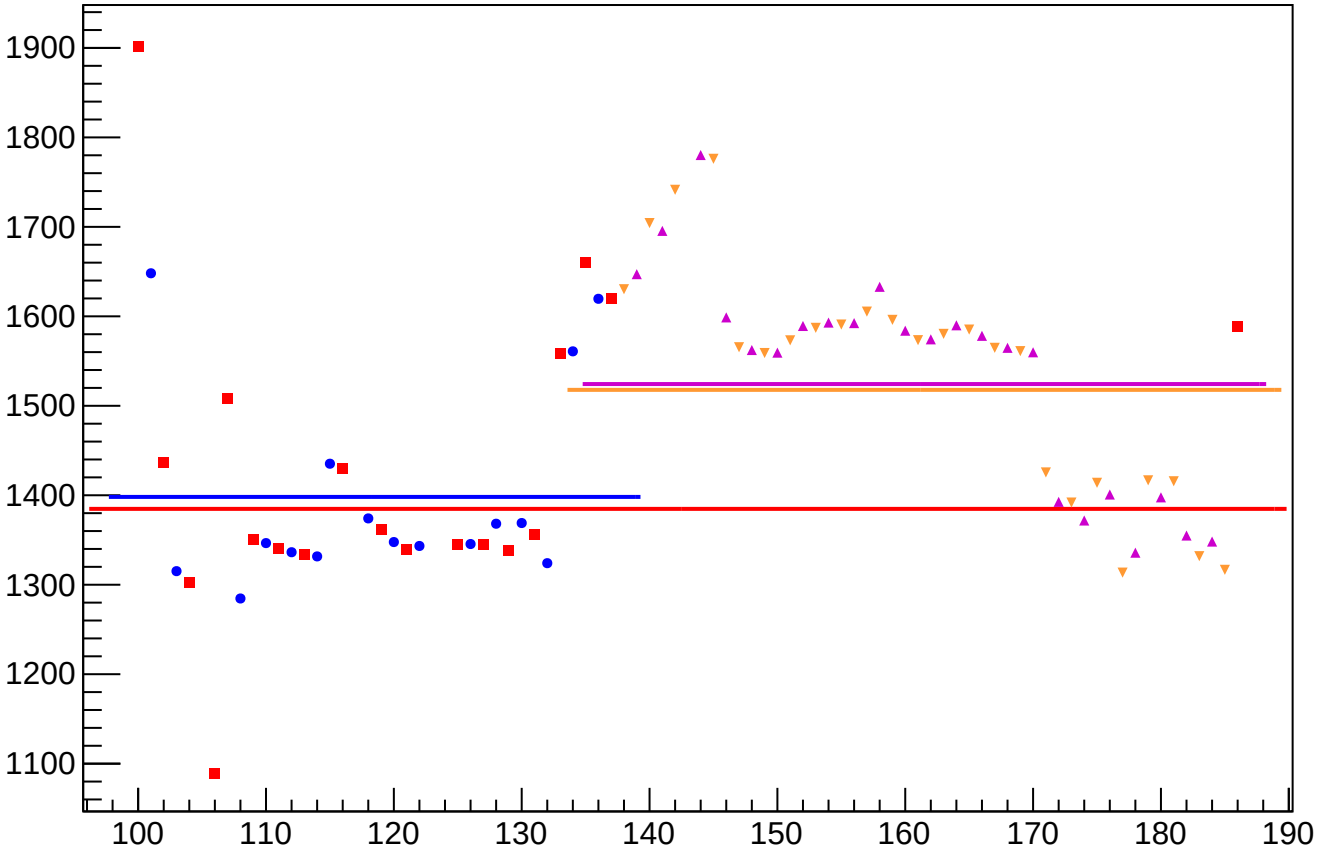
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1311.212+/-292.706 χ^2/NDF: 45.5/39

All: -473.306+/-206.799 χ^2/NDF: 150.5/81

- sign -2251.773+/-292.209 χ^2/NDF: 30.8/41

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

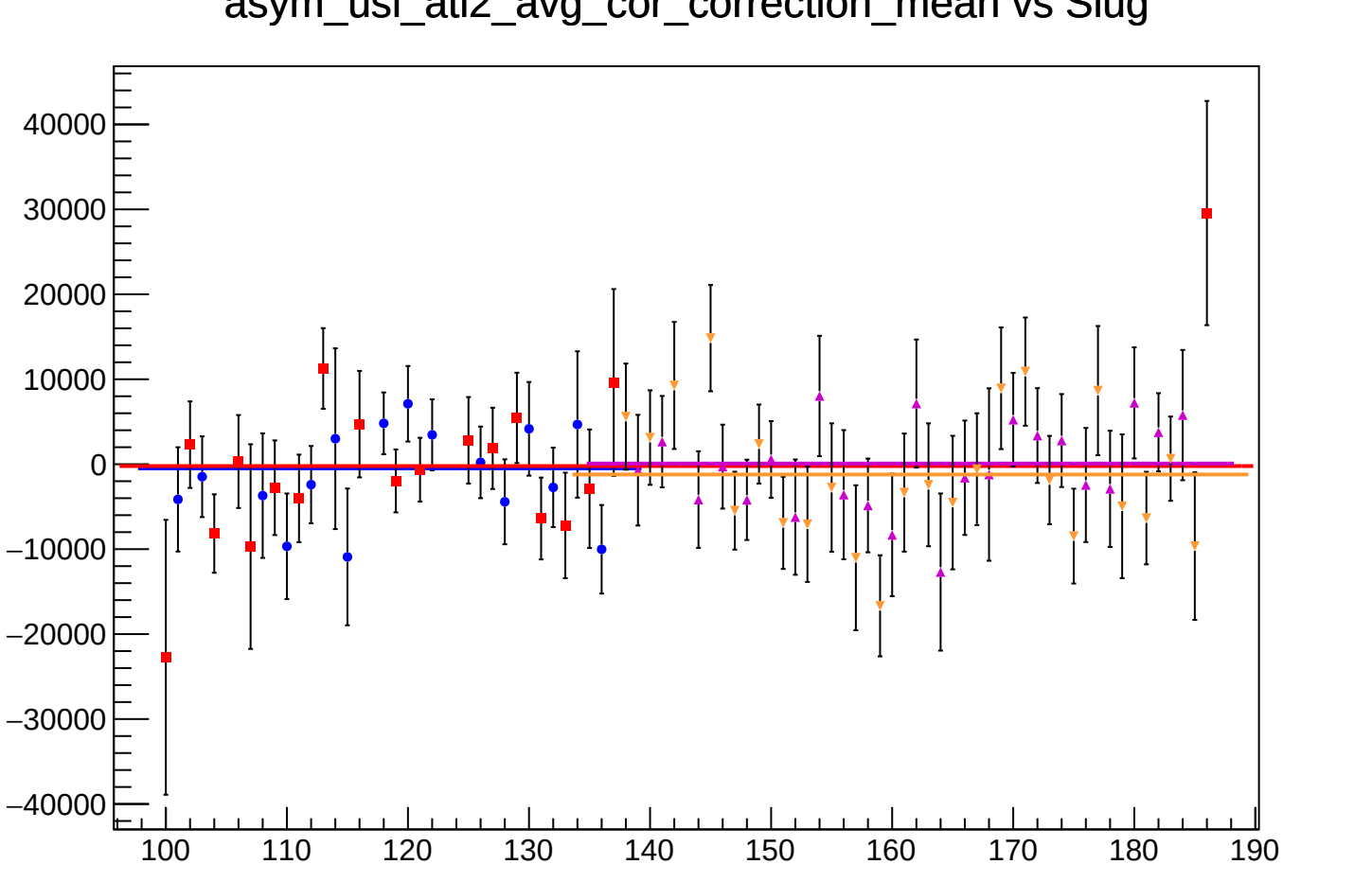
Right Out: 1384.791+/-0.355 χ^2/NDF: 128189.9/18

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1480.218+/-0.207 χ^2/NDF: 399899.8/39

All: 1478.819+/-0.146 χ^2/NDF: 855100.0/81

- sign 1477.436+/-0.206 χ^2/NDF: 455109.3/41



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

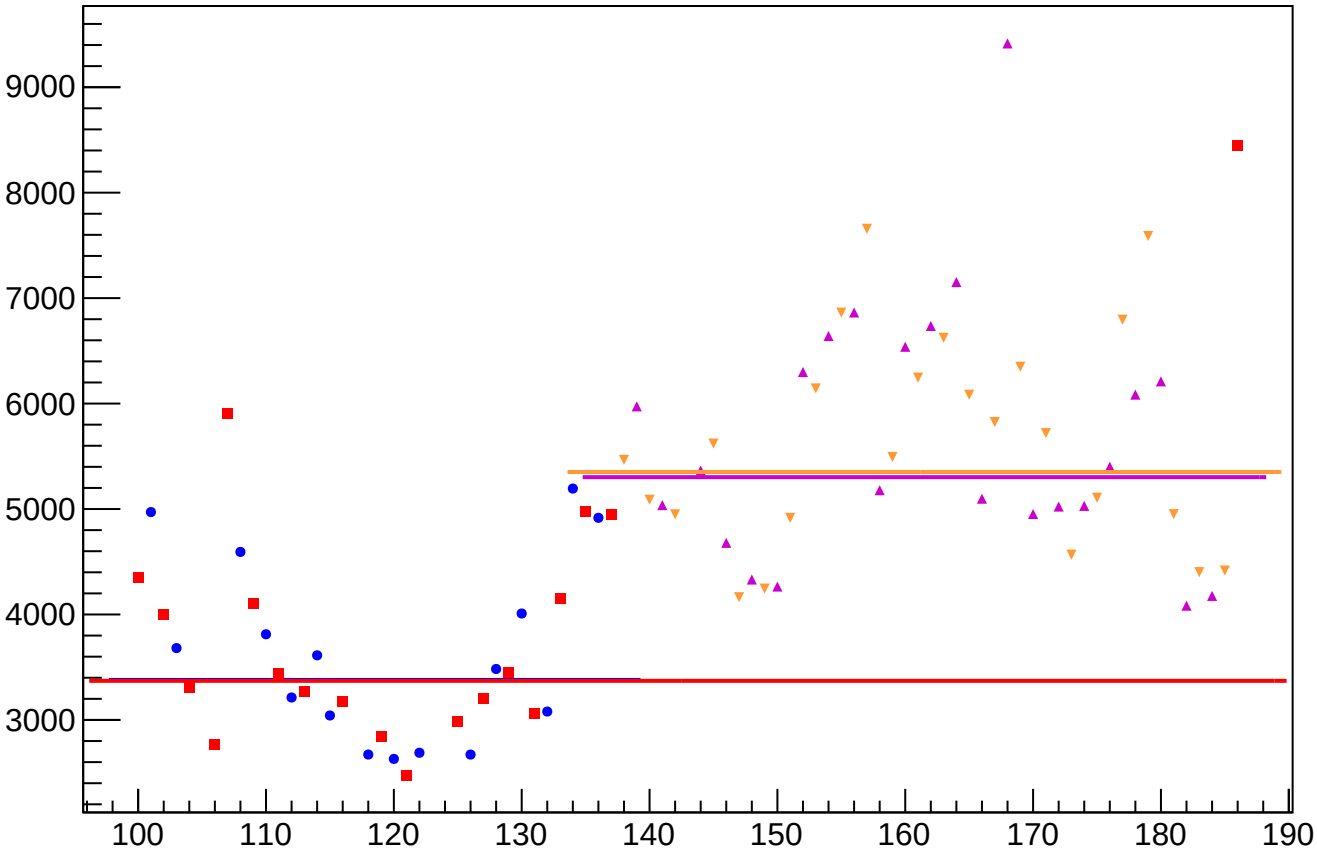
Right Out: -216.619+/-1255.595 χ^2/NDF: 23.9/18

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -856.756+/-906.098 χ^2/NDF: 49.4/39

All: -456.218+/-635.270 χ^2/NDF: 86.8/81

- sign -68.995+/-890.910 χ^2/NDF: 37.1/41



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3370.806+/-0.888 χ^2/NDF: 842324.2/18

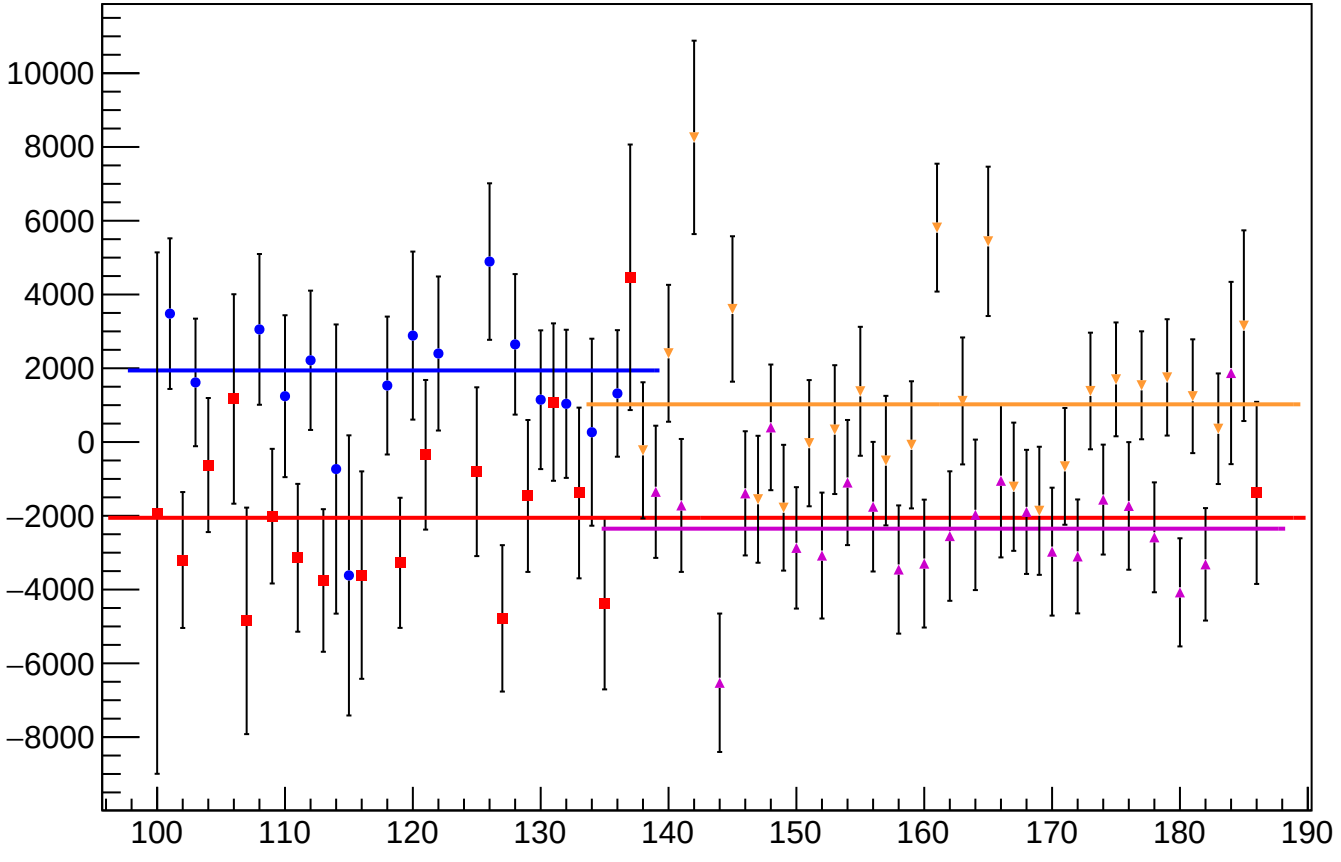
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4385.594+/-0.641 χ^2/NDF: 4188691.7/39

All: 4357.225+/-0.449 χ^2/NDF: 8640897.6/81

- sign 4329.800+/-0.630 χ^2/NDF: 4448350.2/41

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2054.257+/-508.448 χ^2/NDF: 14.6/18

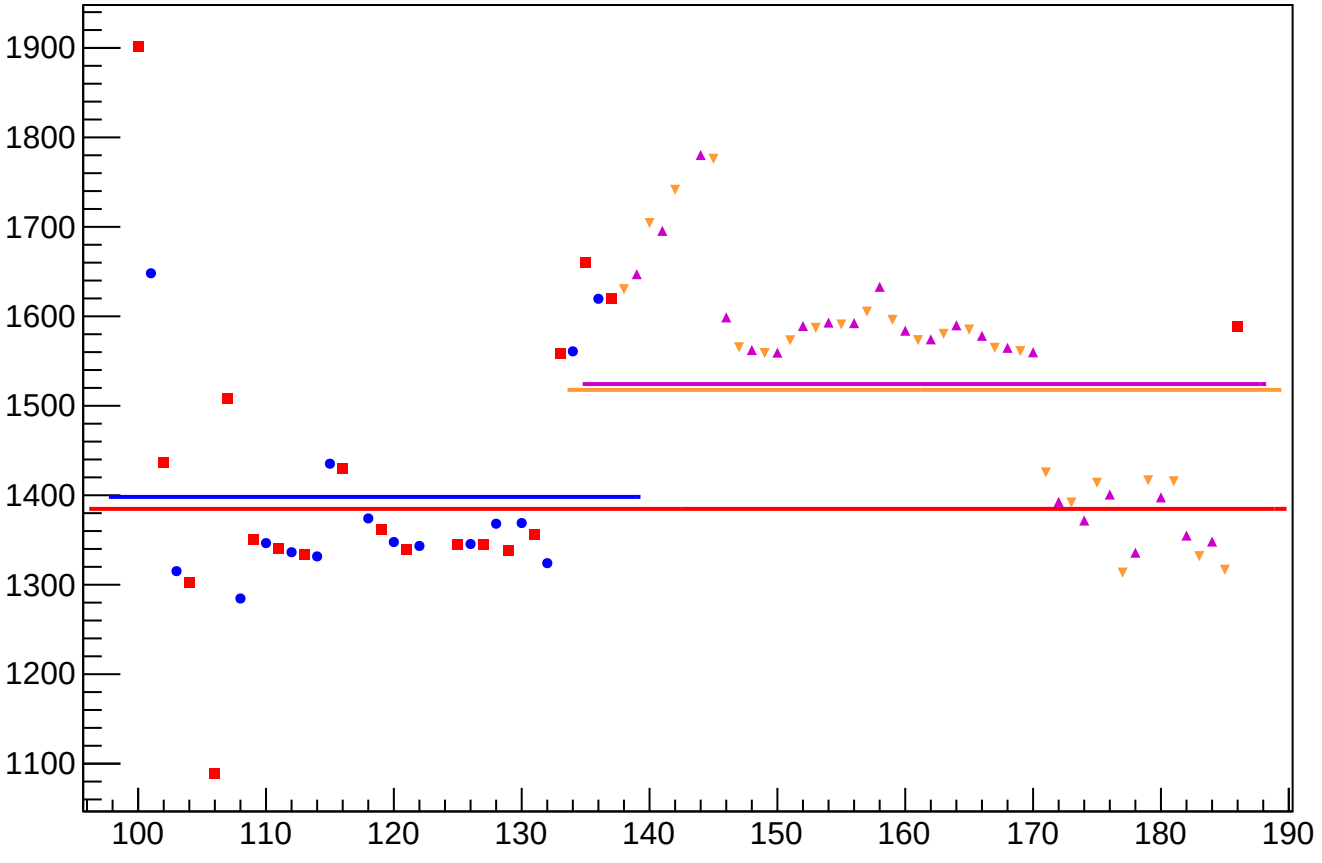
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1311.212+/-292.706 χ^2/NDF: 45.5/39

All: -473.306+/-206.799 χ^2/NDF: 150.5/81

- sign -2251.773+/-292.209 χ^2/NDF: 30.8/41

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

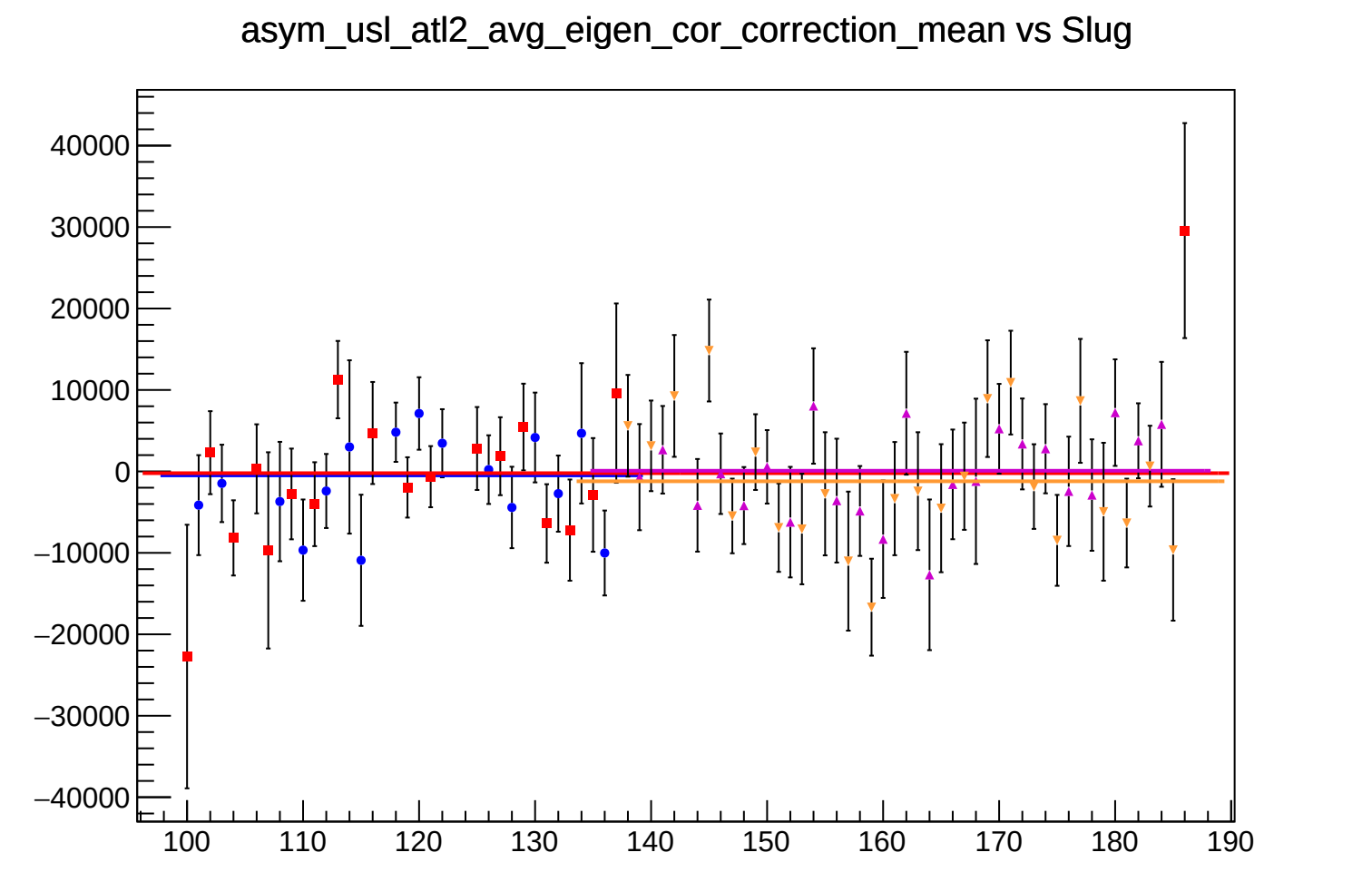
Right Out: 1384.791+/-0.355 χ^2/NDF: 128189.9/18

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1480.218+/-0.207 χ^2/NDF: 399899.8/39

All: 1478.819+/-0.146 χ^2/NDF: 855100.0/81

- sign 1477.436+/-0.206 χ^2/NDF: 455109.3/41



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

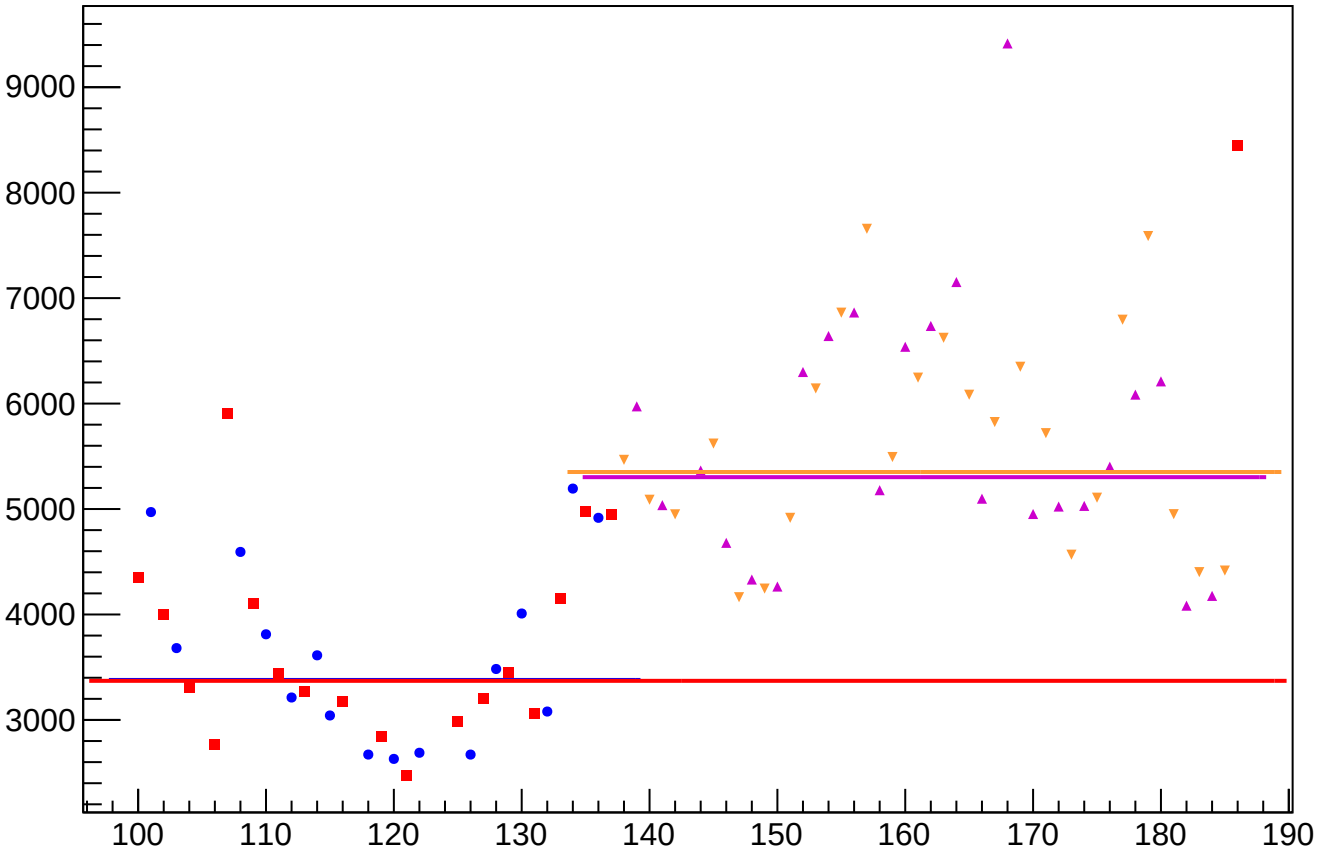
Right Out: -216.619+/-1255.595 χ^2/NDF: 23.9/18

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -856.756+/-906.098 χ^2/NDF: 49.4/39

All: -456.218+/-635.270 χ^2/NDF: 86.8/81

- sign -68.995+/-890.910 χ^2/NDF: 37.1/41



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3370.806+/-0.888 χ^2/NDF: 842324.2/18

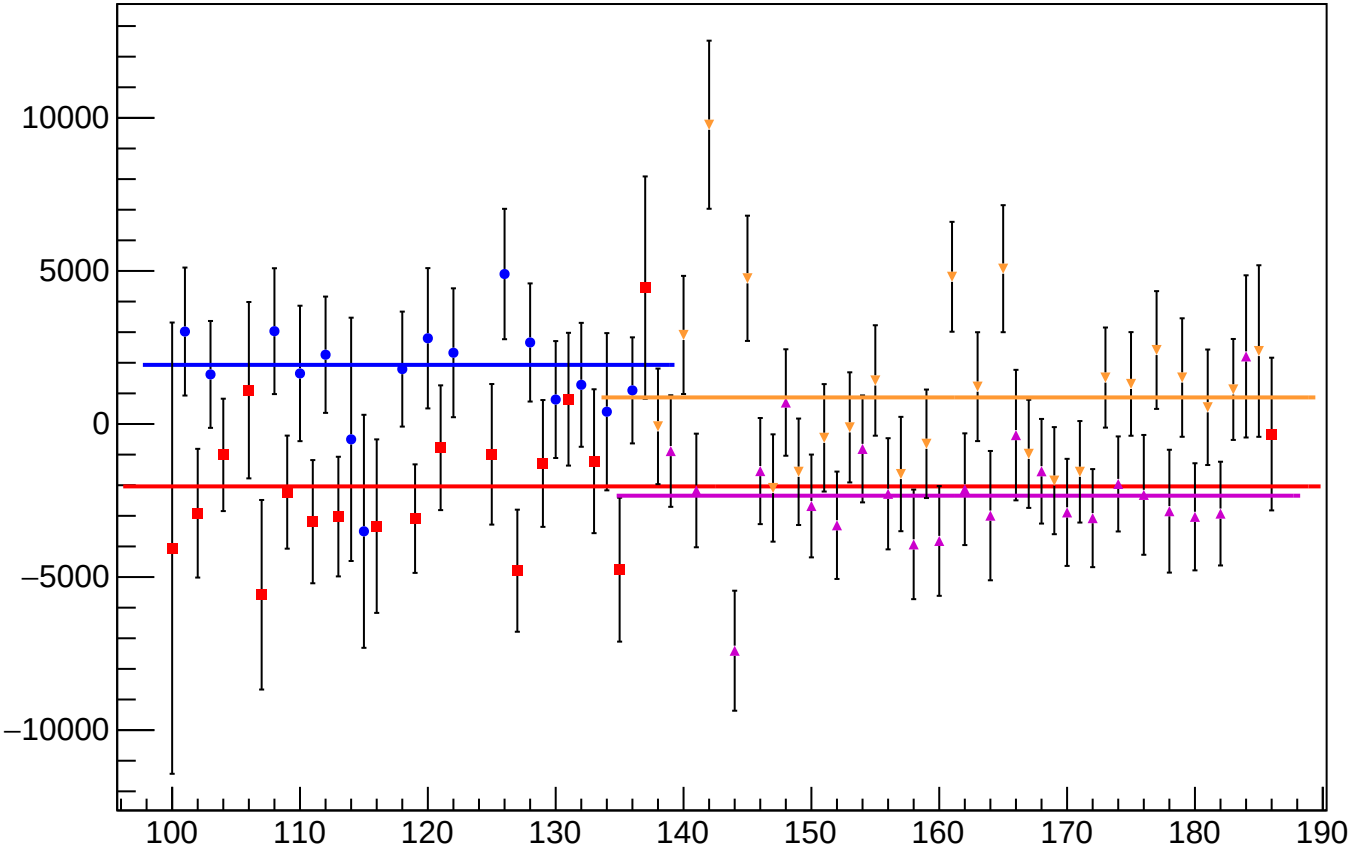
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4385.594+/-0.641 χ^2/NDF: 4188691.7/39

All: 4357.225+/-0.449 χ^2/NDF: 8640897.6/81

- sign 4329.800+/-0.630 χ^2/NDF: 4448350.2/41

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2038.326+/-517.304 χ^2/NDF: 13.7/18

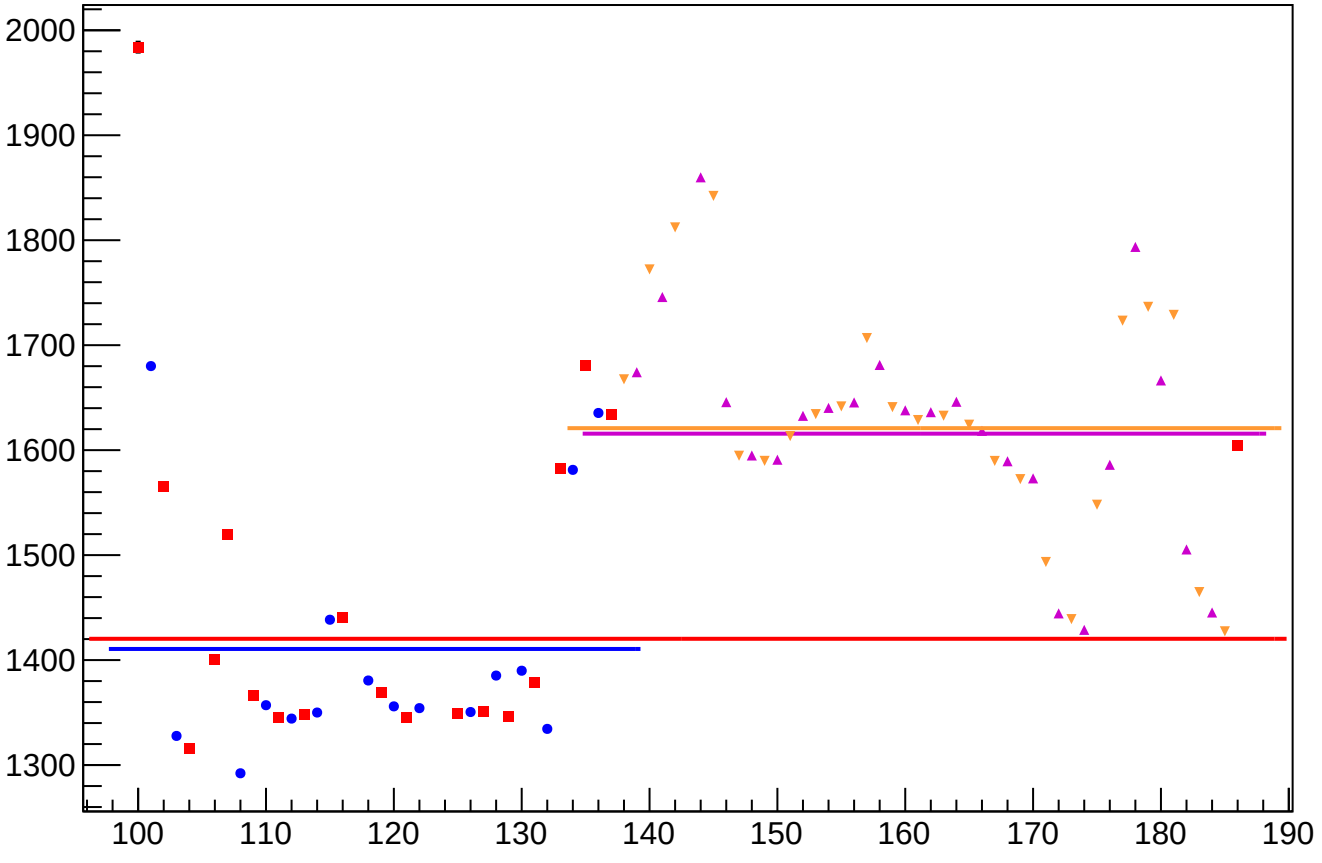
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1228.404+/-306.743 χ^2/NDF: 48.8/39

All: -512.411+/-216.375 χ^2/NDF: 144.9/81

- sign -2236.452+/-305.262 χ^2/NDF: 32.0/41

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1420.284+/-0.365 χ^2/NDF: 101100.3/18

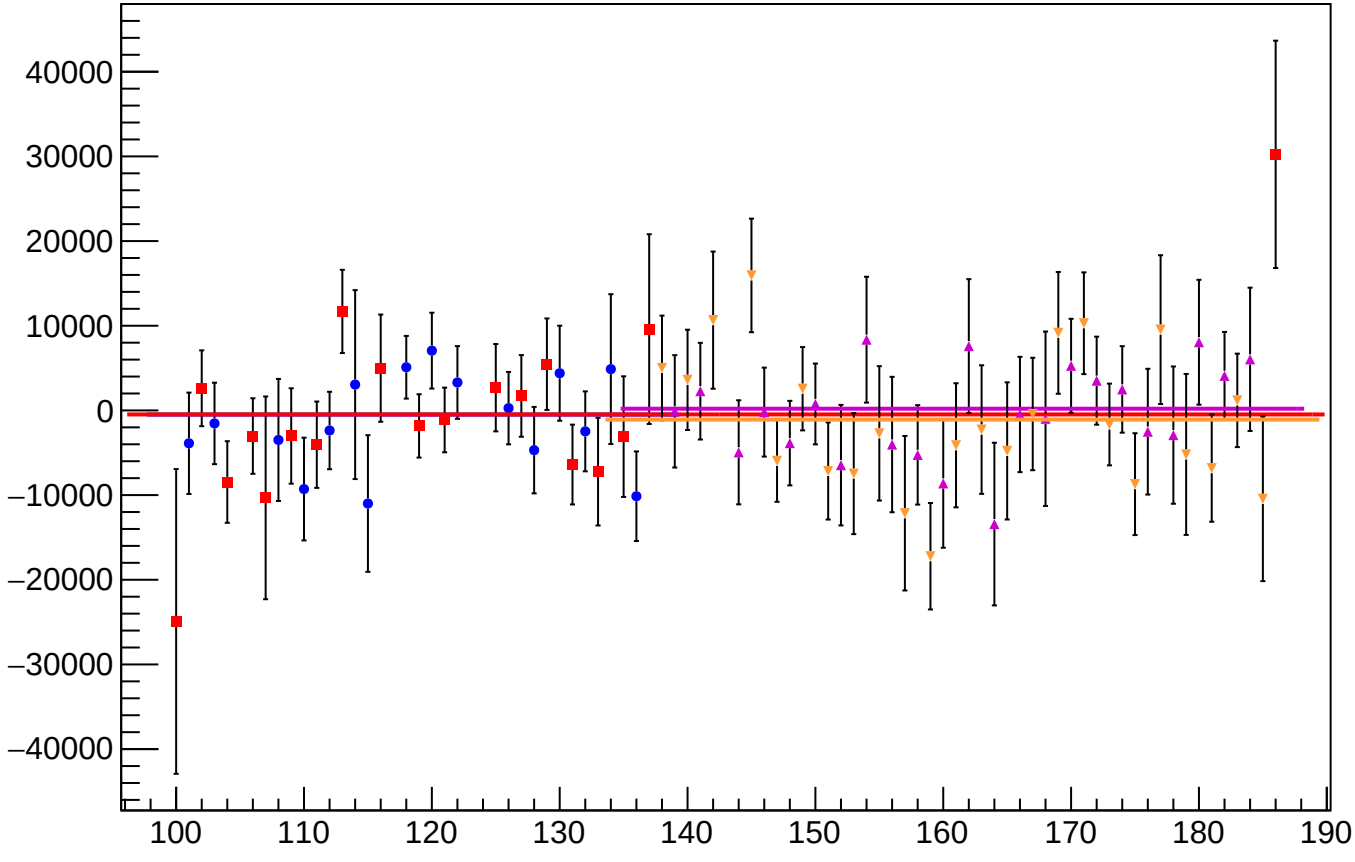
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1549.718+/-0.217 χ^2/NDF: 451767.2/39

All: 1548.566+/-0.153 χ^2/NDF: 876713.0/81

- sign 1547.428+/-0.216 χ^2/NDF: 424889.7/41

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -475.156+/-1242.590 χ^2/NDF: 24.5/18

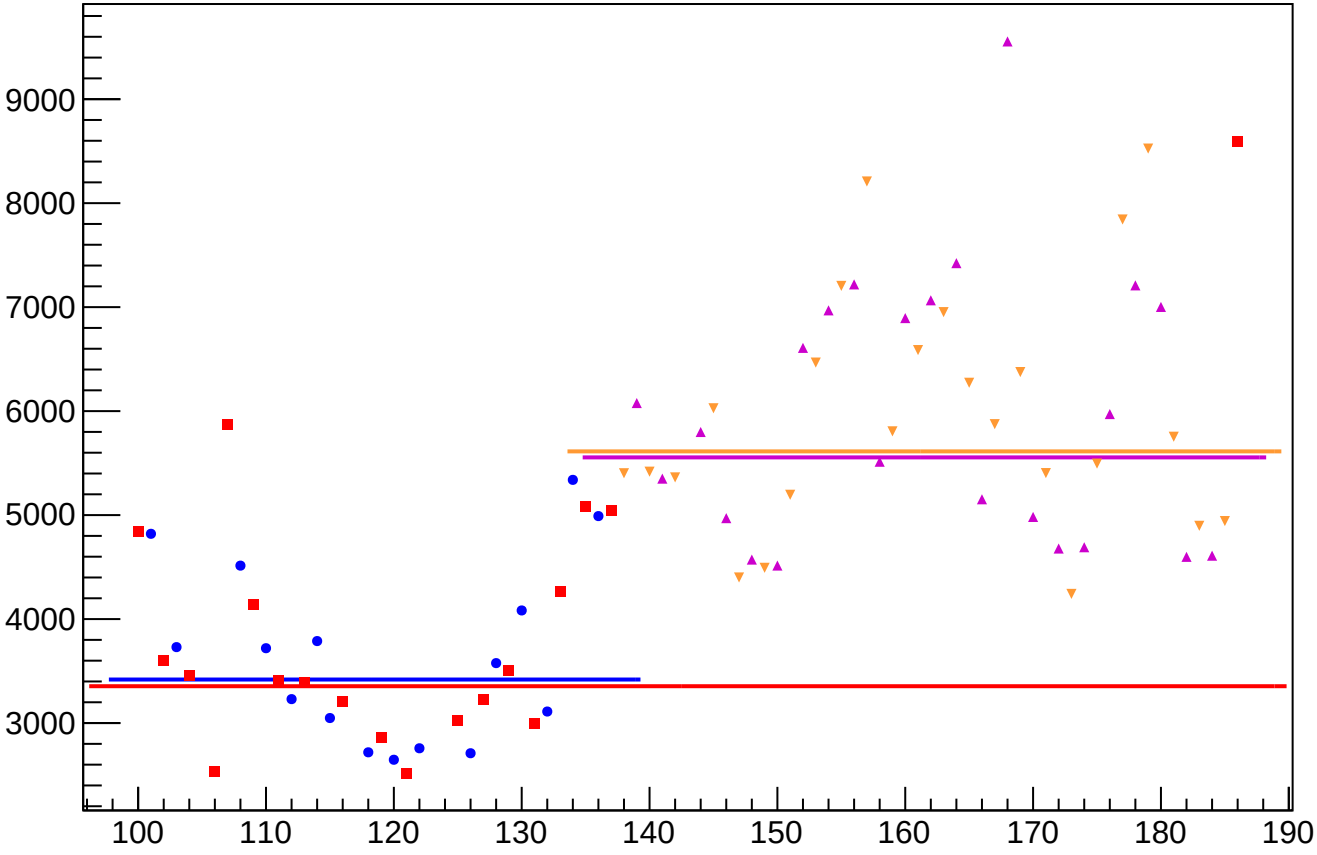
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -780.495+/-933.655 χ^2/NDF: 48.9/39

All: -460.534+/-650.474 χ^2/NDF: 86.6/81

- sign -158.746+/-906.754 χ^2/NDF: 37.5/41

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3354.374+/-0.879 χ^2/NDF: 879027.4/18

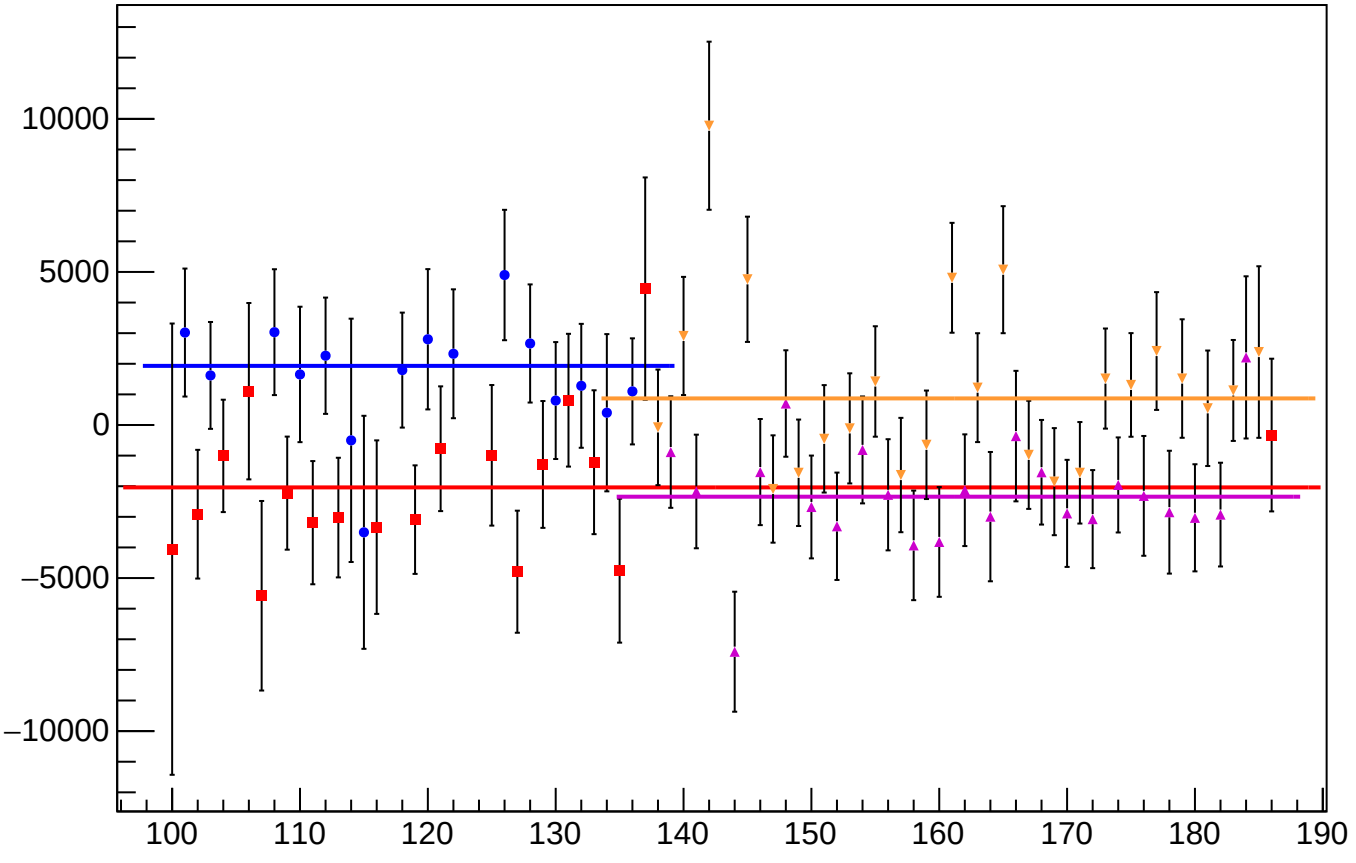
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4496.019+/-0.660 χ^2/NDF: 4669542.9/39

All: 4437.922+/-0.460 χ^2/NDF: 9828939.3/81

- sign 4383.124+/-0.641 χ^2/NDF: 5144347.8/41

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2038.328+/-517.304 χ^2/NDF: 13.7/18

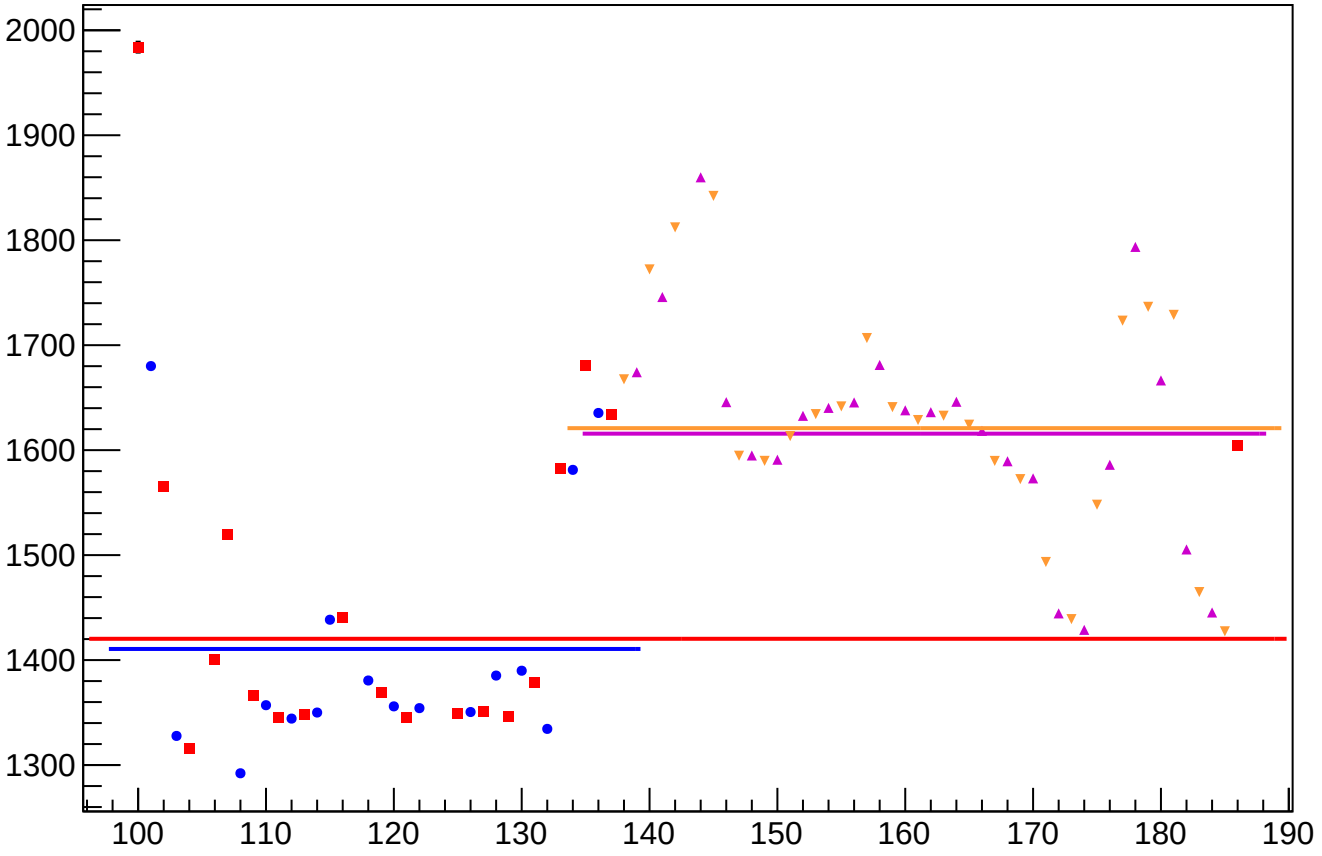
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1228.401+/-306.744 χ^2/NDF: 48.8/39

All: -512.413+/-216.375 χ^2/NDF: 144.9/81

- sign -2236.452+/-305.262 χ^2/NDF: 32.0/41

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

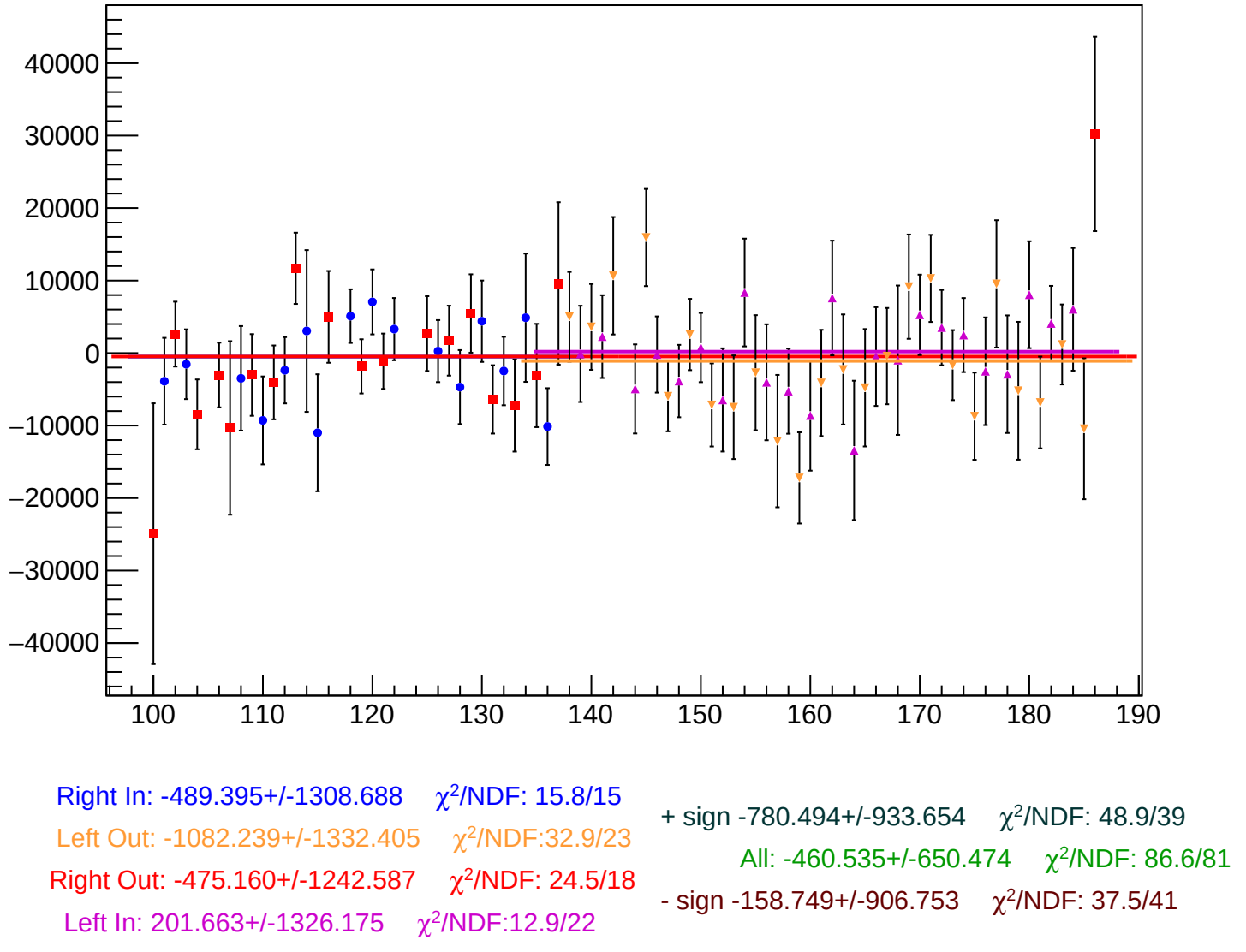
Right Out: 1420.283+/-0.365 χ^2/NDF: 101100.2/18

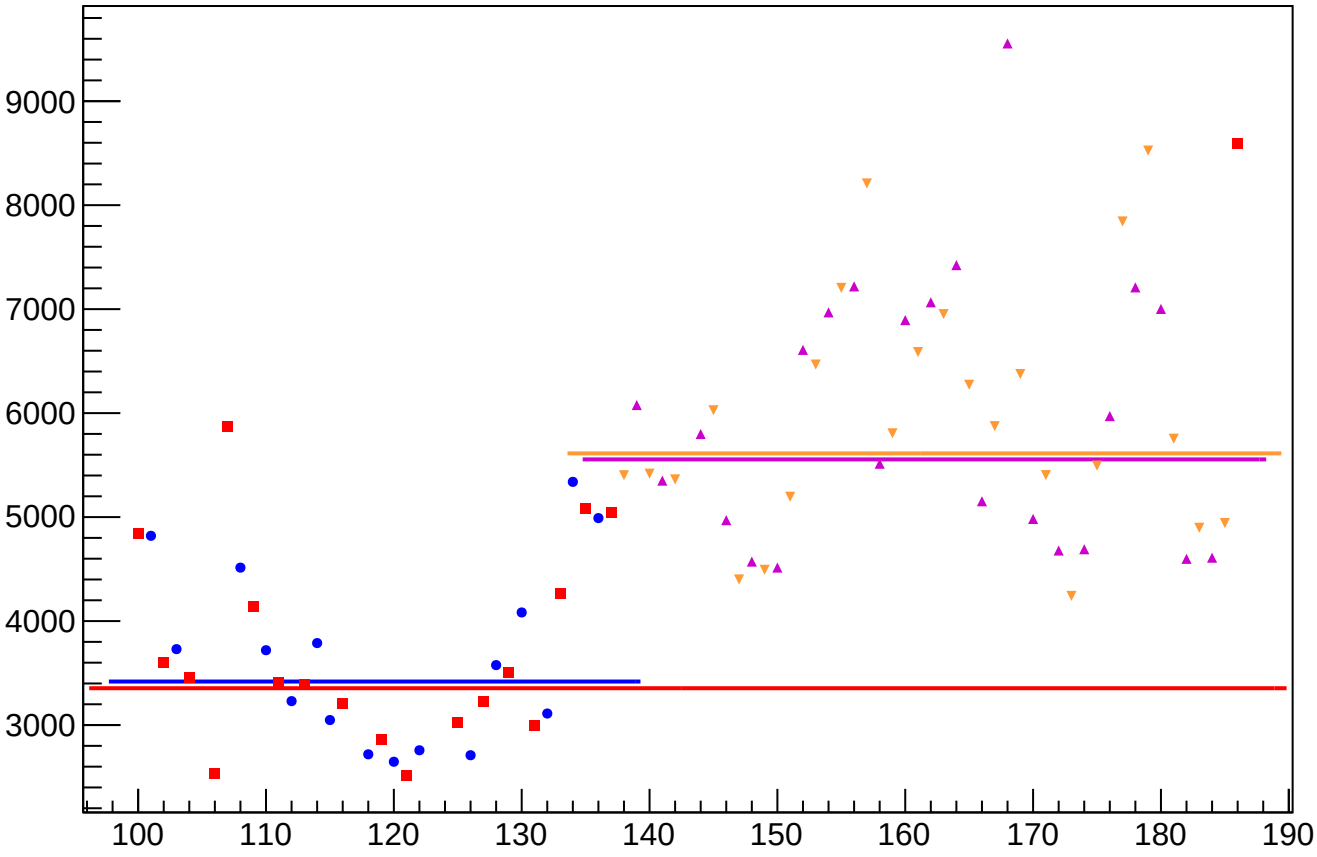
Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1549.718+/-0.217 χ^2/NDF: 451774.3/39

All: 1548.567+/-0.153 χ^2/NDF: 876727.6/81

- sign 1547.429+/-0.216 χ^2/NDF: 424897.2/41


asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -489.395+/-1308.688 χ²/NDF: 15.8/15
Left Out: -1082.239+/-1332.405 χ²/NDF:32.9/23
Right Out: -475.160+/-1242.587 χ²/NDF: 24.5/18
Left In: 201.663+/-1326.175 χ²/NDF:12.9/22
+ sign -780.494+/-933.654 χ²/NDF: 48.9/39
All: -460.535+/-650.474 χ²/NDF: 86.6/81
- sign -158.749+/-906.753 χ²/NDF: 37.5/41



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3354.363+/-0.879 χ^2/NDF: 879032.5/18

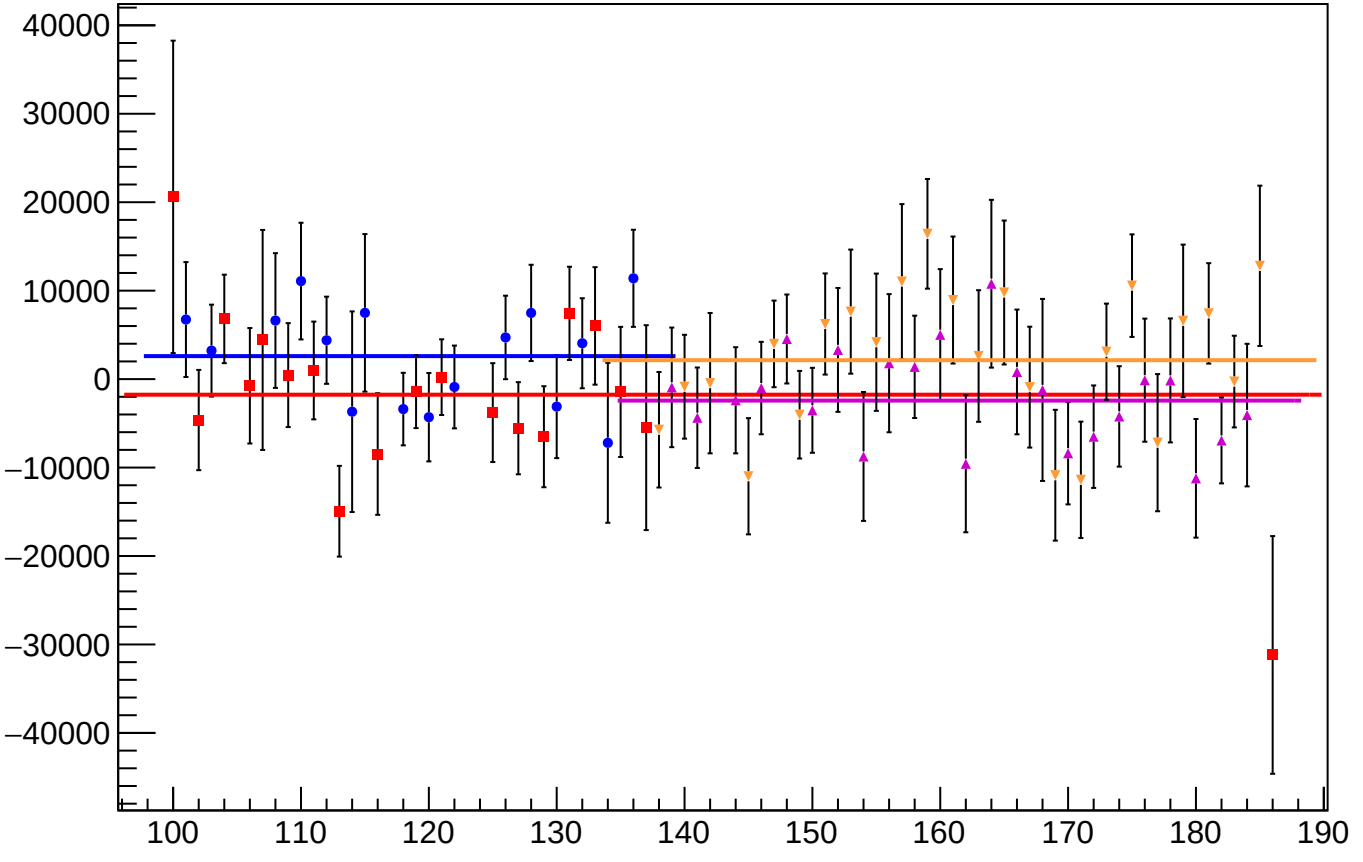
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4496.013+/-0.660 χ^2/NDF: 4669606.6/39

All: 4437.915+/-0.460 χ^2/NDF: 9829061.9/81

- sign 4383.117+/-0.641 χ^2/NDF: 5144406.7/41

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -1761.989+/-1375.554 χ^2/NDF: 23.9/18

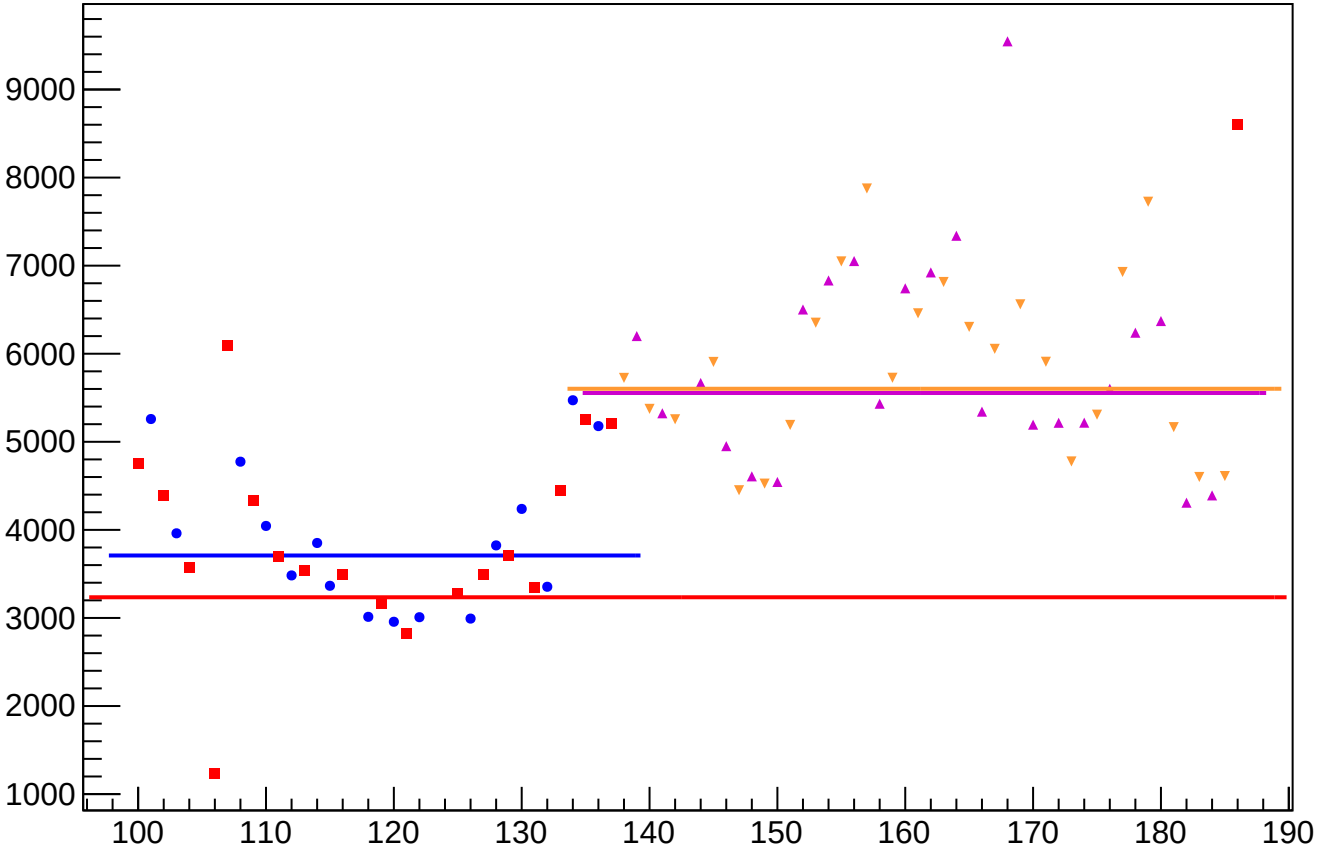
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2353.714+/-966.771 χ^2/NDF: 44.2/39

All: 90.193+/-678.624 χ^2/NDF: 91.9/81

- sign -2108.474+/-952.821 χ^2/NDF: 36.9/41

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

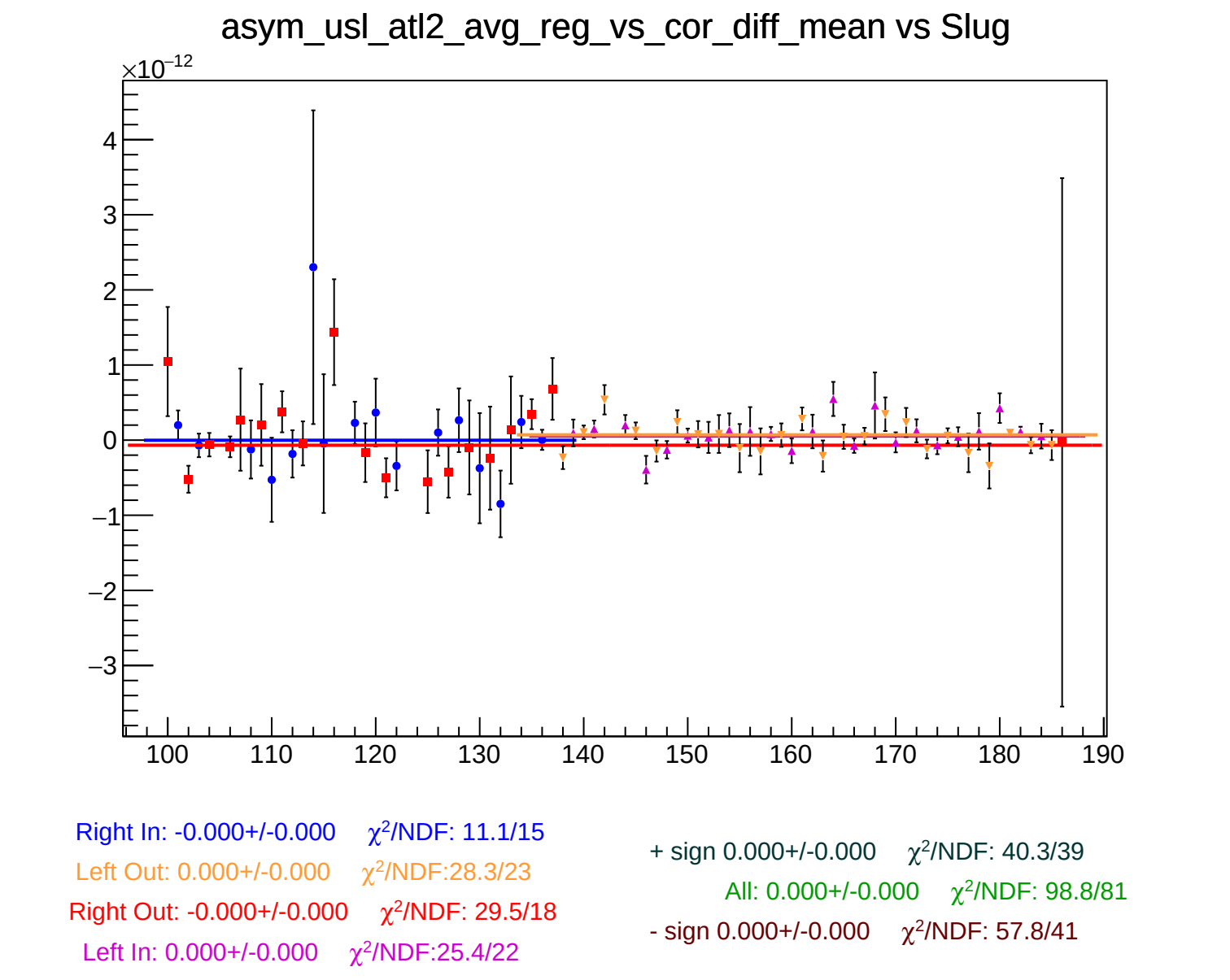
Right Out: 3234.878+/-0.892 χ^2/NDF: 1932823.9/18

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

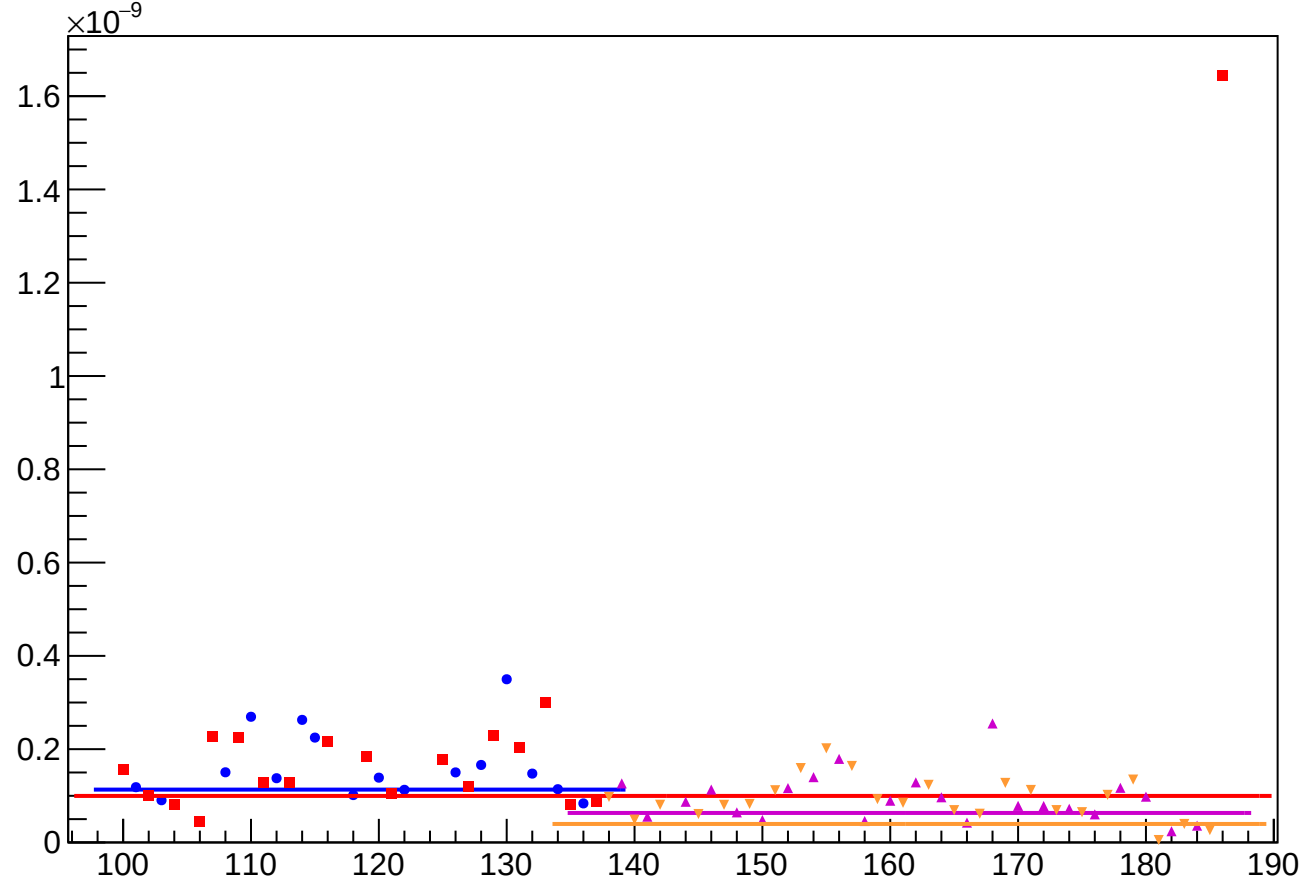
+ sign 4717.926+/-0.684 χ^2/NDF: 3460042.8/39

All: 4518.233+/-0.469 χ^2/NDF: 9891669.7/81

- 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: 11.1/15
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: 40.3/39
All: 0.000+/-0.000 χ²/NDF: 98.8/81
- 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: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1486667.5/18

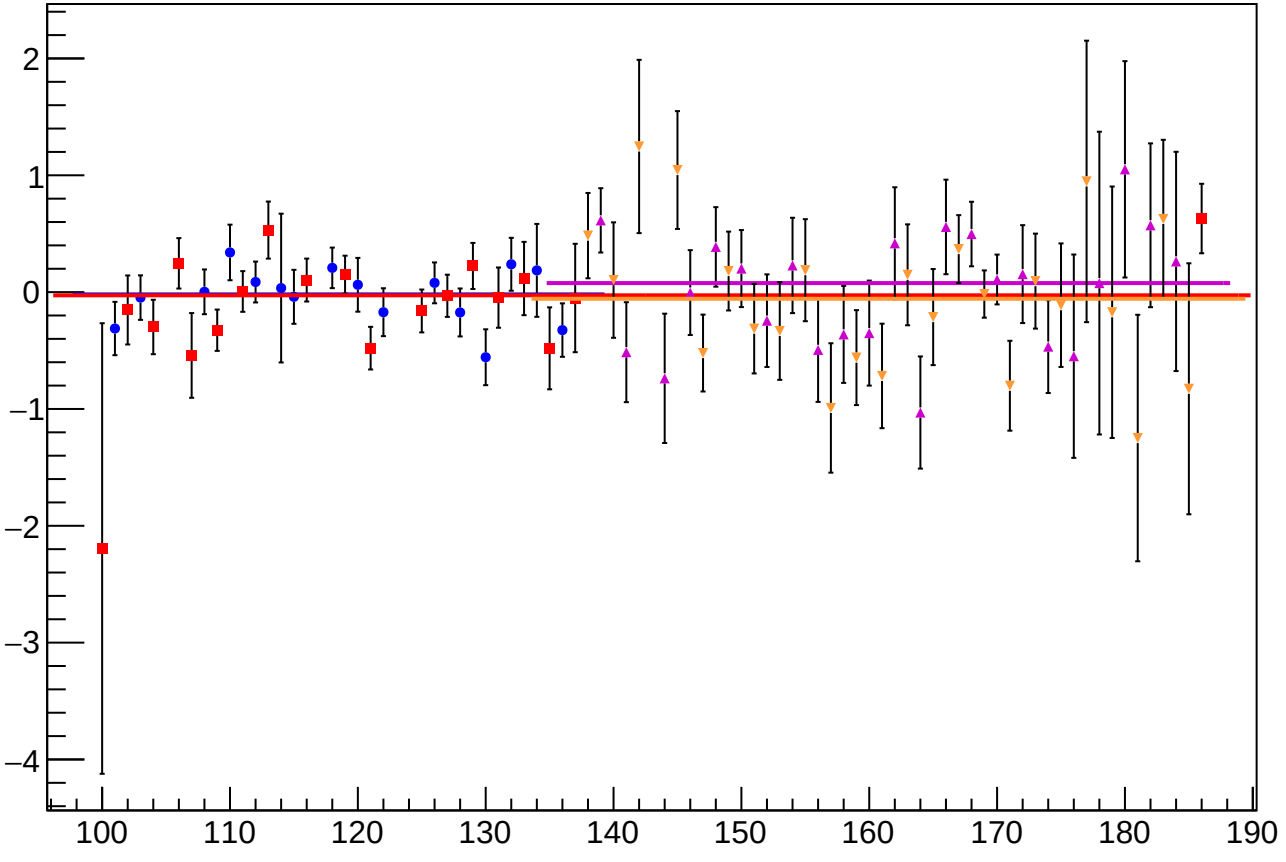
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9602671.4/39

All: 0.000+/-0.000 χ^2/NDF: 15460618.6/81

- sign 0.000+/-0.000 χ^2/NDF: 4932774.0/41

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

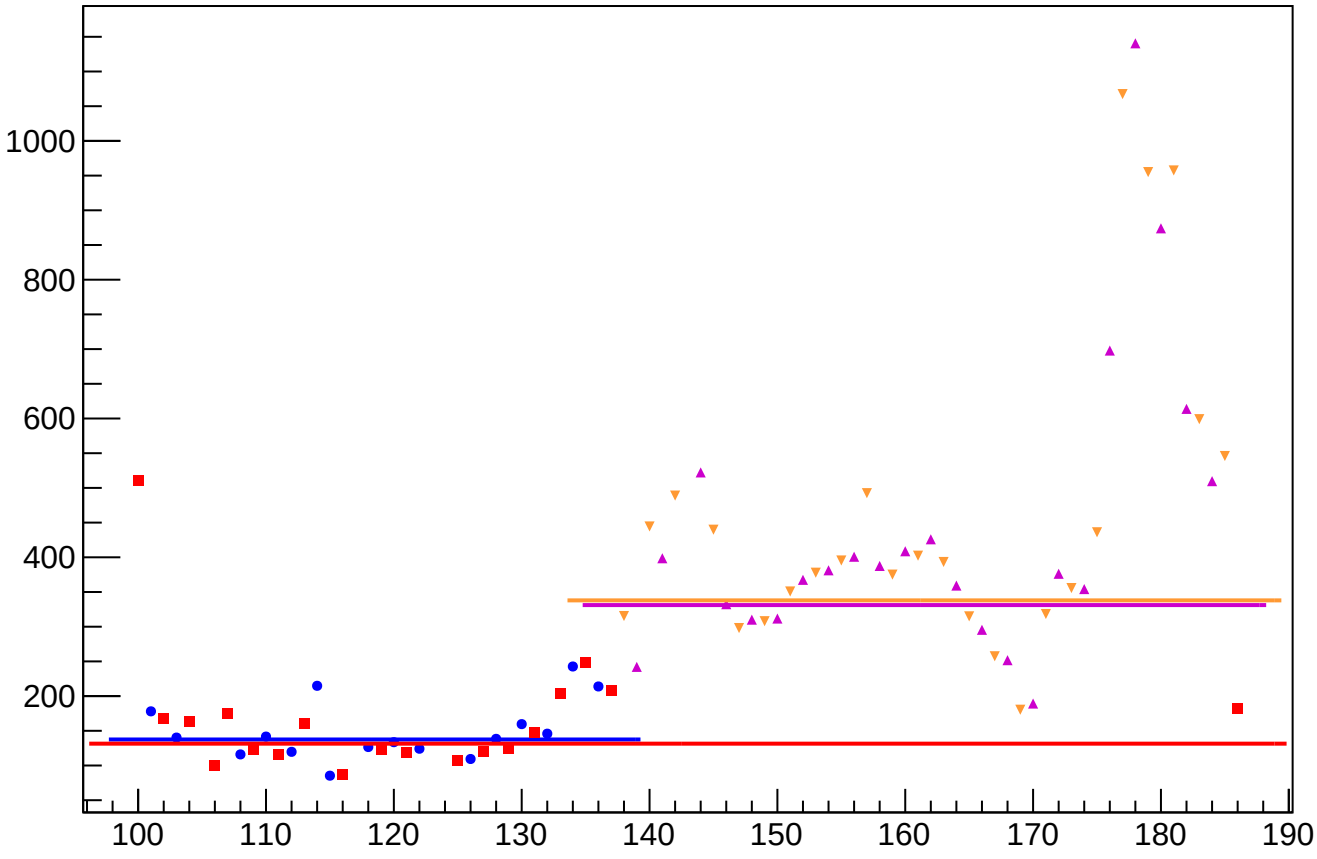
Right Out: -0.027+/-0.052 χ^2/NDF: 31.3/18

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.030+/-0.046 χ^2/NDF: 46.5/39

All: -0.014+/-0.032 χ^2/NDF: 106.3/81

- sign 0.002+/-0.044 χ^2/NDF: 59.5/41



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 131.474+/-0.037 χ^2/NDF: 894452.4/18

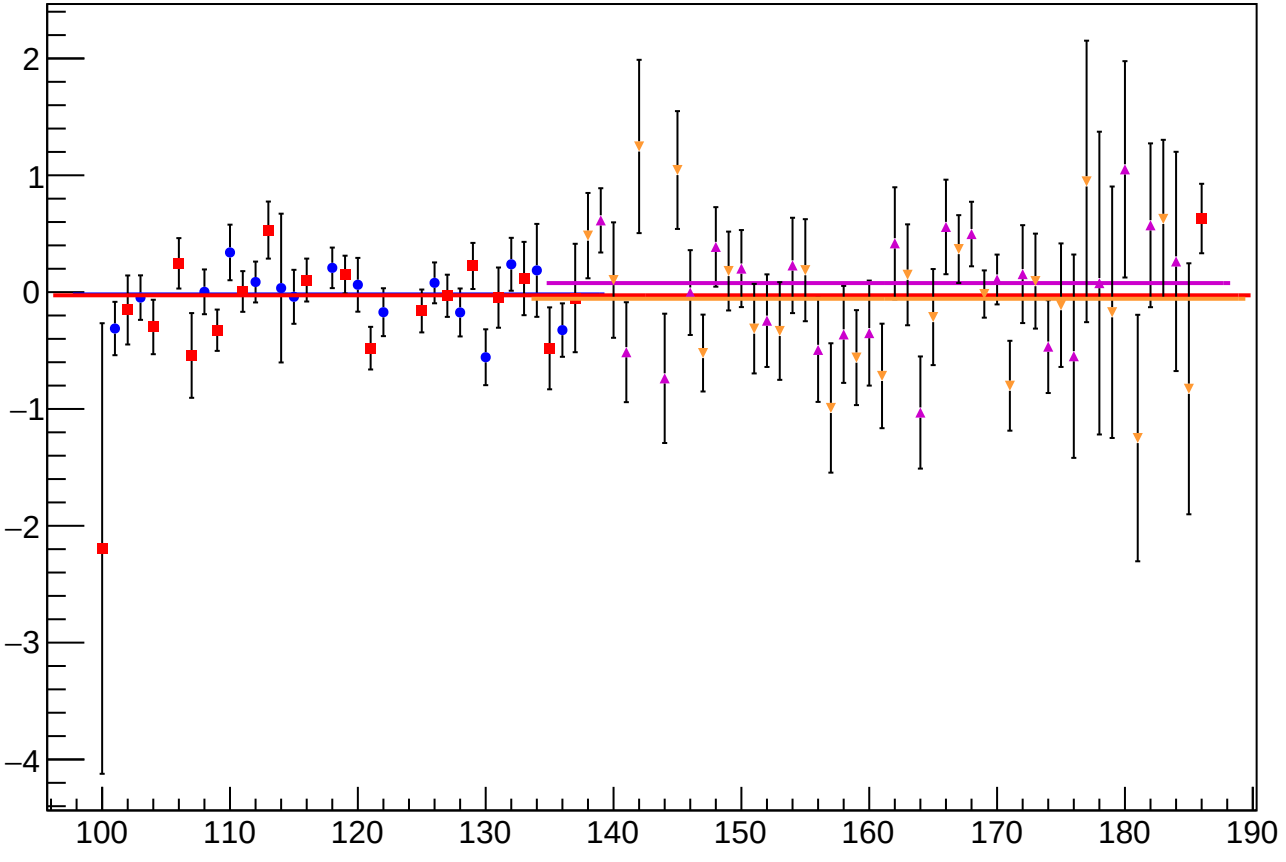
Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 194.999+/-0.032 χ^2/NDF: 13056045.2/39

All: 190.777+/-0.022 χ^2/NDF: 26371091.6/81

- sign 186.886+/-0.031 χ^2/NDF: 13282350.6/41

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

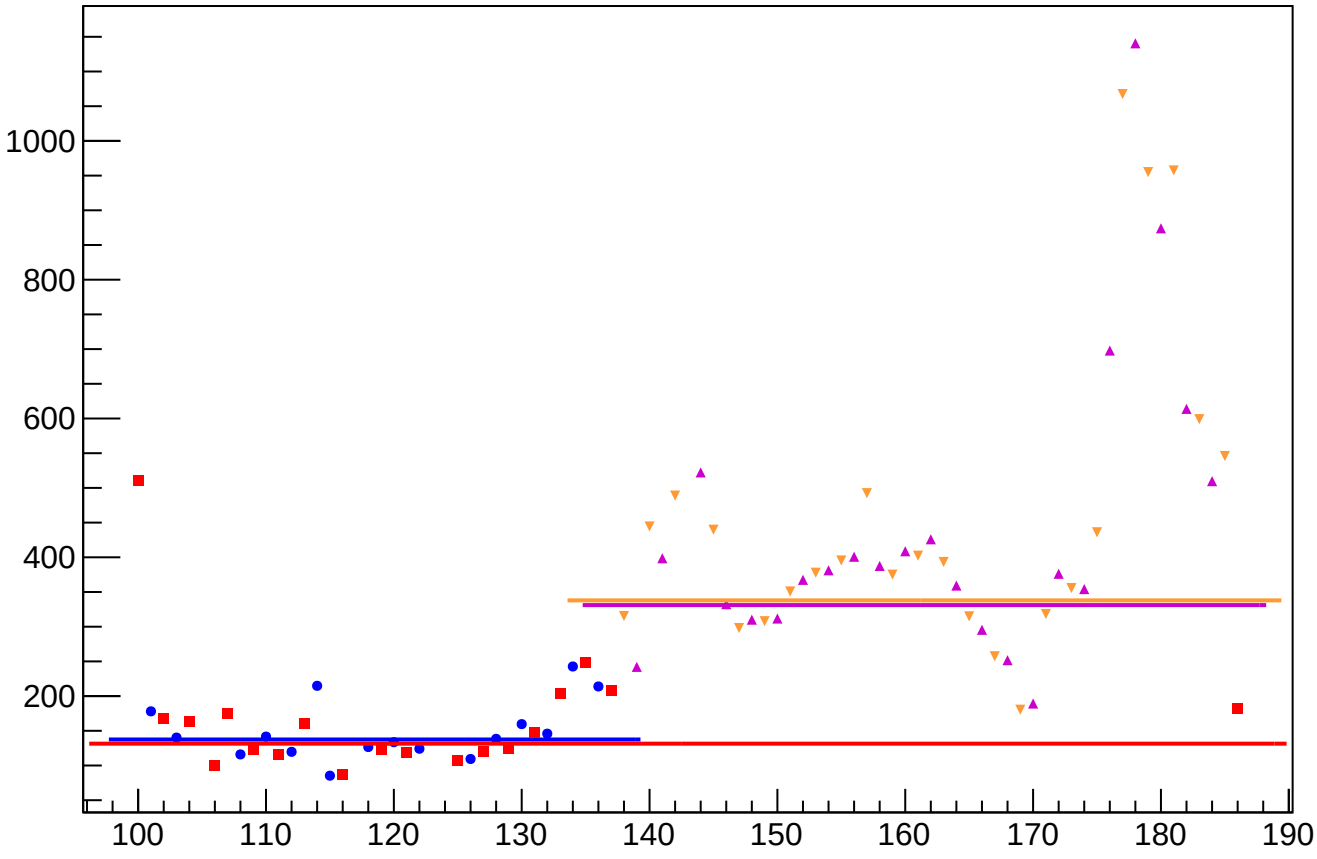
Right Out: -0.027+/-0.052 χ^2/NDF: 31.3/18

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.030+/-0.046 χ^2/NDF: 46.5/39

All: -0.014+/-0.032 χ^2/NDF: 106.3/81

- sign 0.002+/-0.044 χ^2/NDF: 59.5/41



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

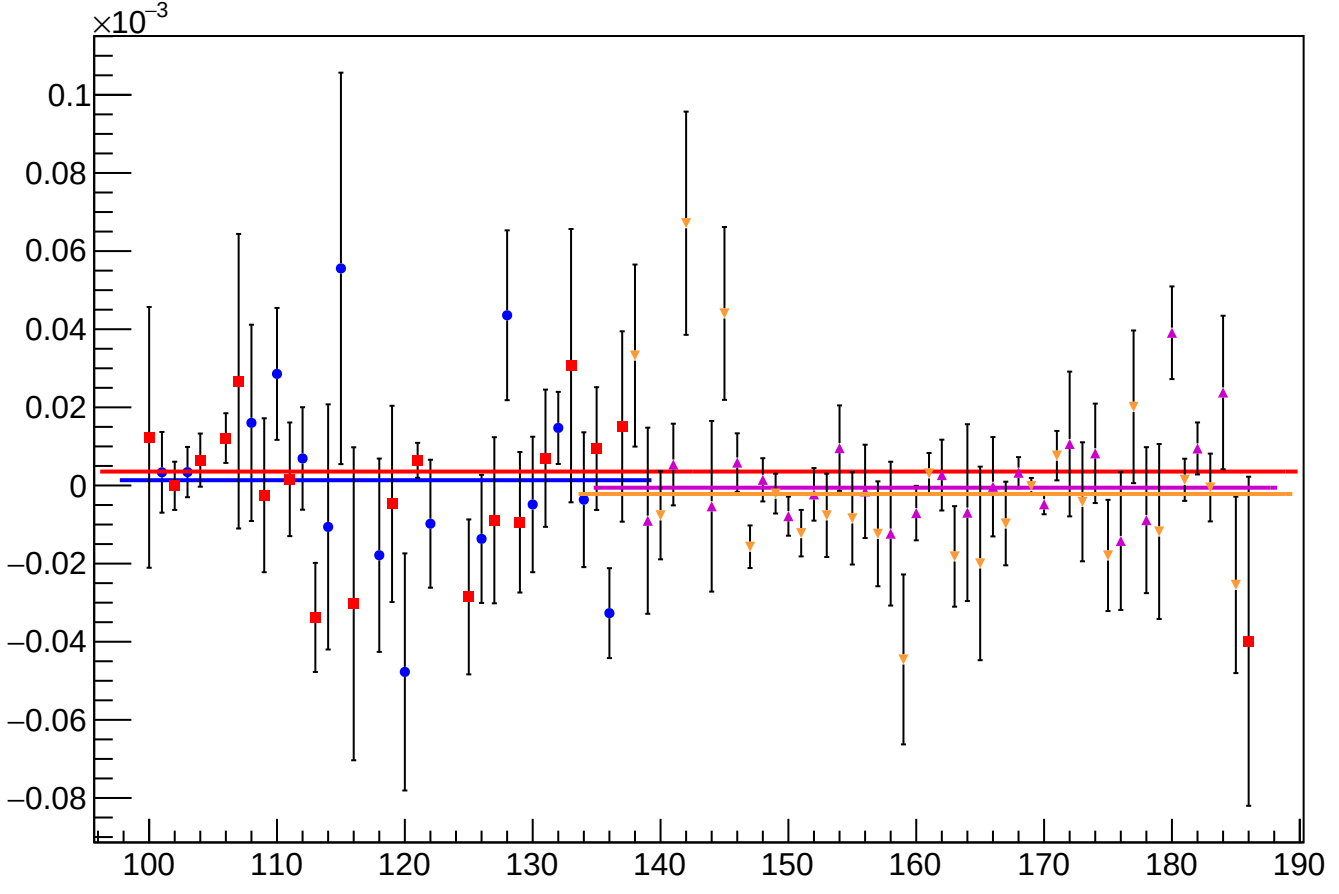
Right Out: 131.474+/-0.037 χ^2/NDF: 894452.4/18

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 194.999+/-0.032 χ^2/NDF: 13056045.2/39

All: 190.777+/-0.022 χ^2/NDF: 26371091.6/81

- sign 186.886+/-0.031 χ^2/NDF: 13282350.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

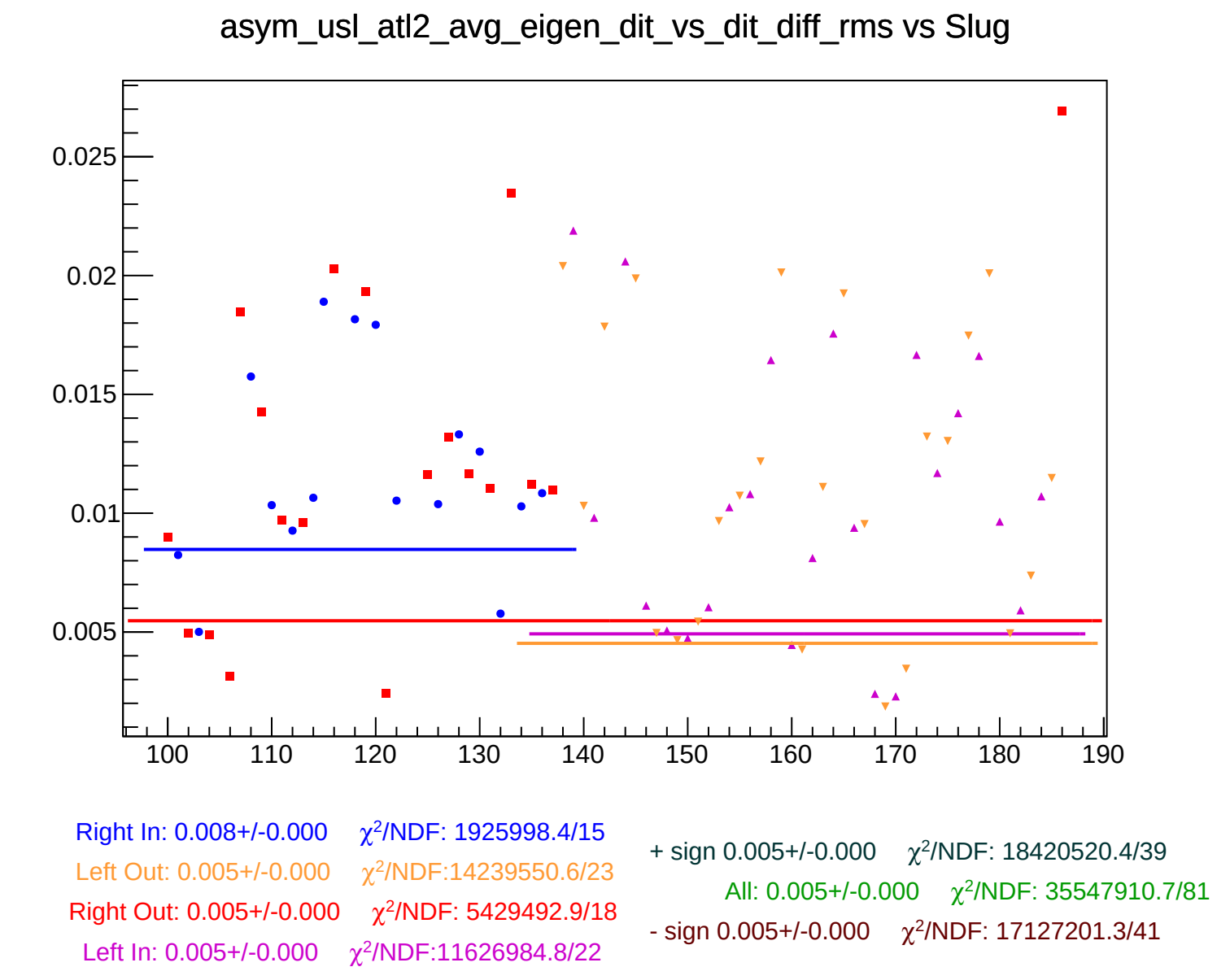
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/18

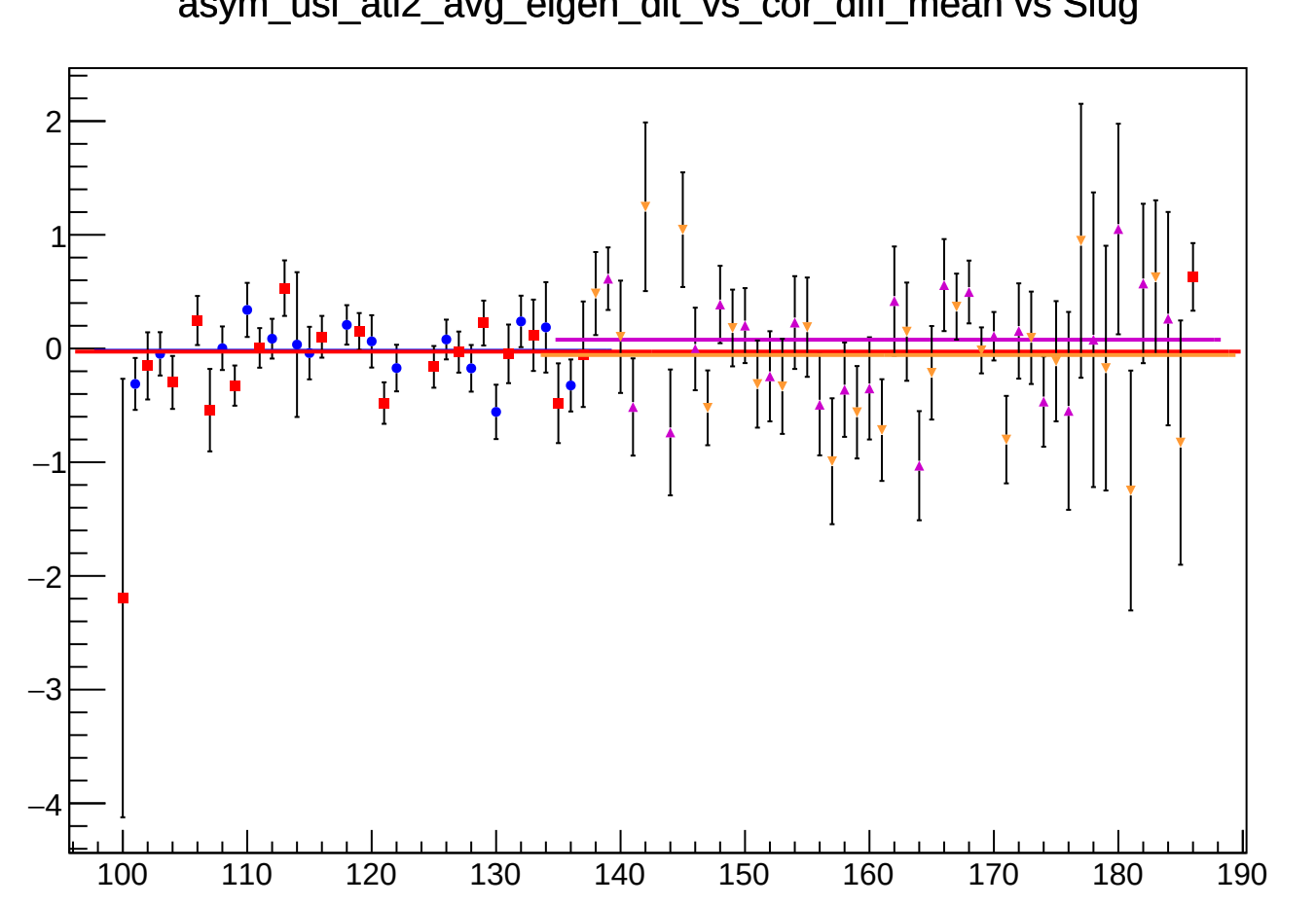
Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.7/39

All: -0.000+/-0.000 χ^2/NDF: 109.2/81

- 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: 0.008+/-0.000 χ²/NDF: 1925998.4/15
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: 18420520.4/39
All: 0.005+/-0.000 χ²/NDF: 35547910.7/81
- sign 0.005+/-0.000 χ²/NDF: 17127201.3/41



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

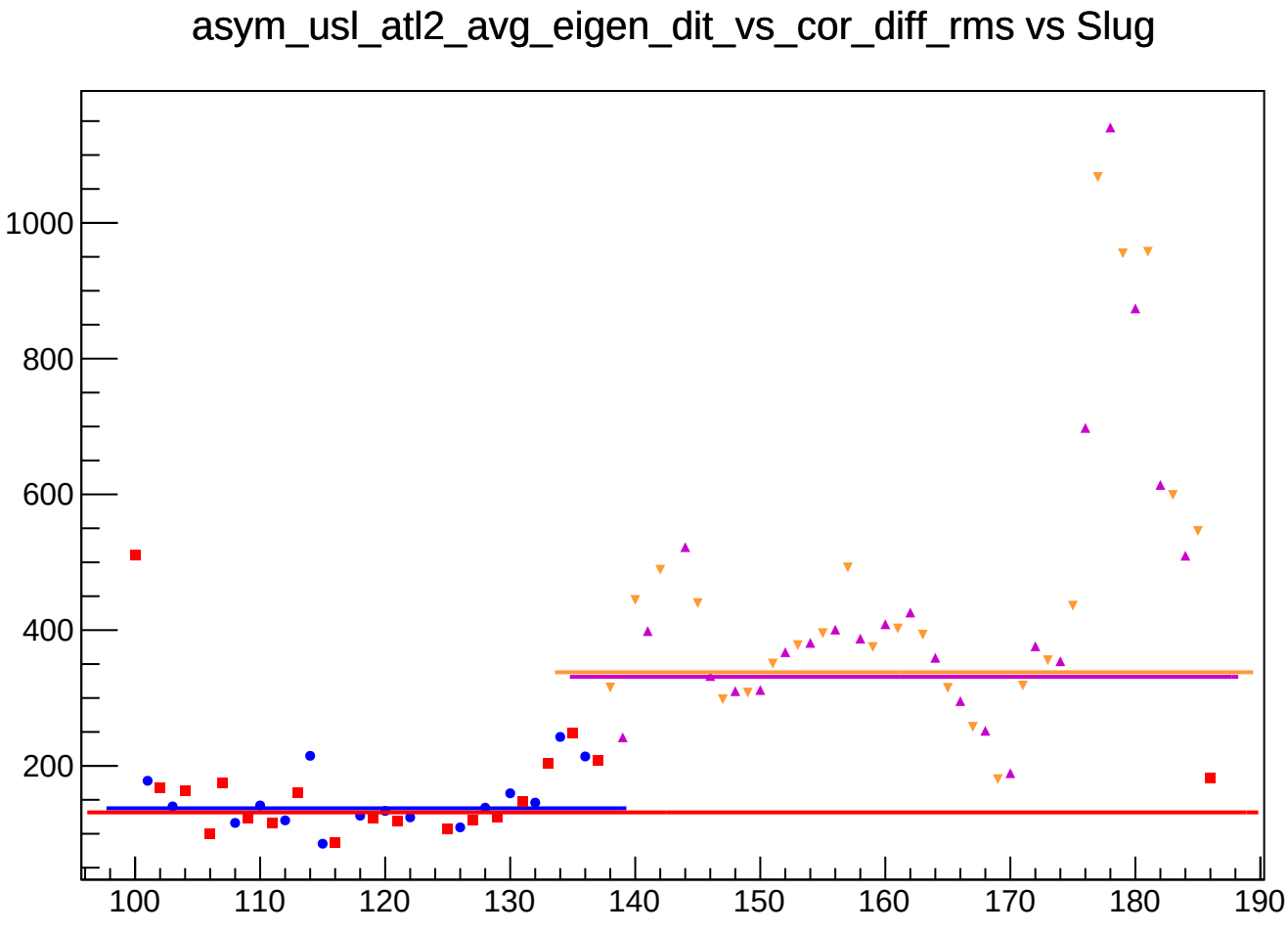
Right Out: -0.027+/-0.052 χ^2/NDF: 31.3/18

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.030+/-0.046 χ^2/NDF: 46.5/39

All: -0.014+/-0.032 χ^2/NDF: 106.3/81

- sign 0.002+/-0.044 χ^2/NDF: 59.5/41



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

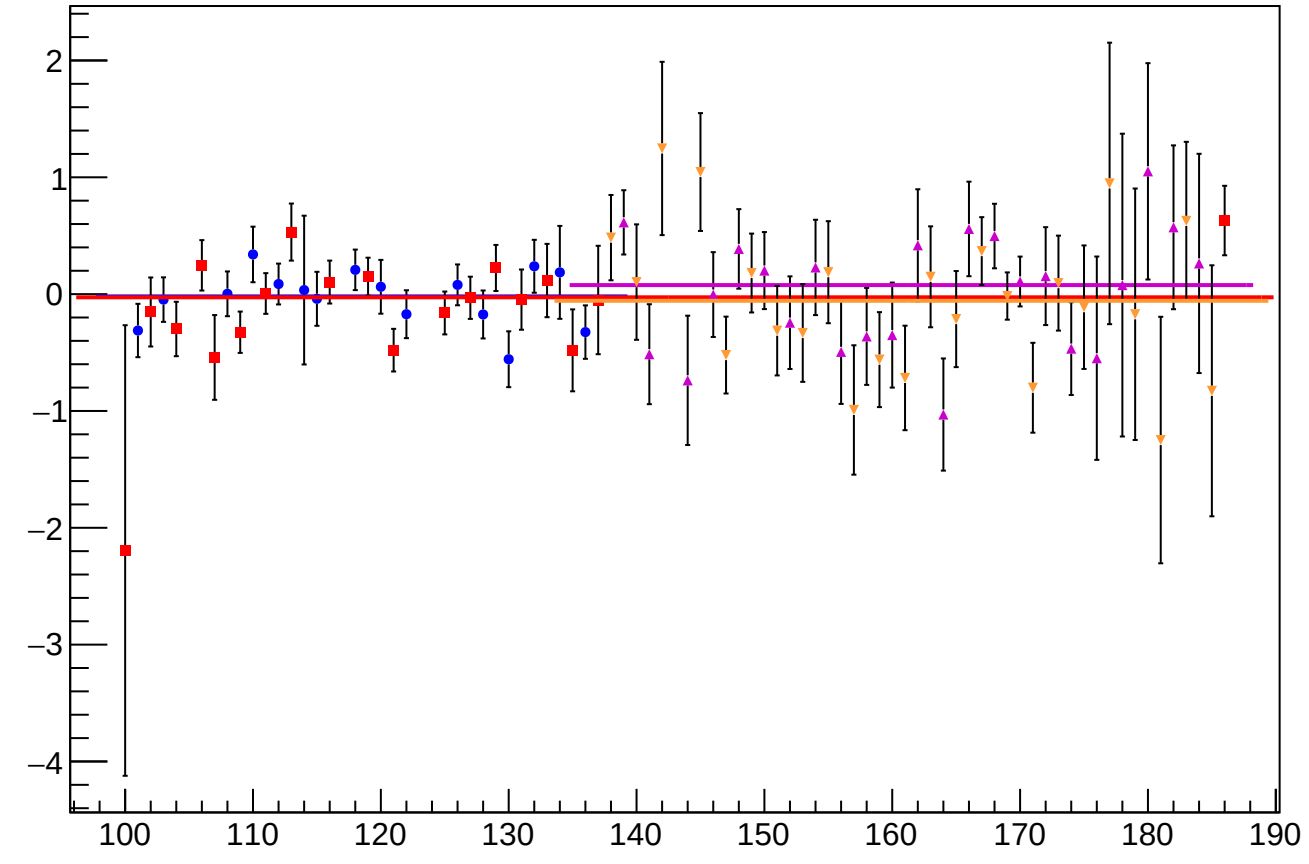
Right Out: 131.474+/-0.037 χ^2/NDF: 894378.9/18

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 194.999+/-0.032 χ^2/NDF: 13056187.2/39

All: 190.776+/-0.022 χ^2/NDF: 26371336.7/81

- sign 186.885+/-0.031 χ^2/NDF: 13282451.8/41



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

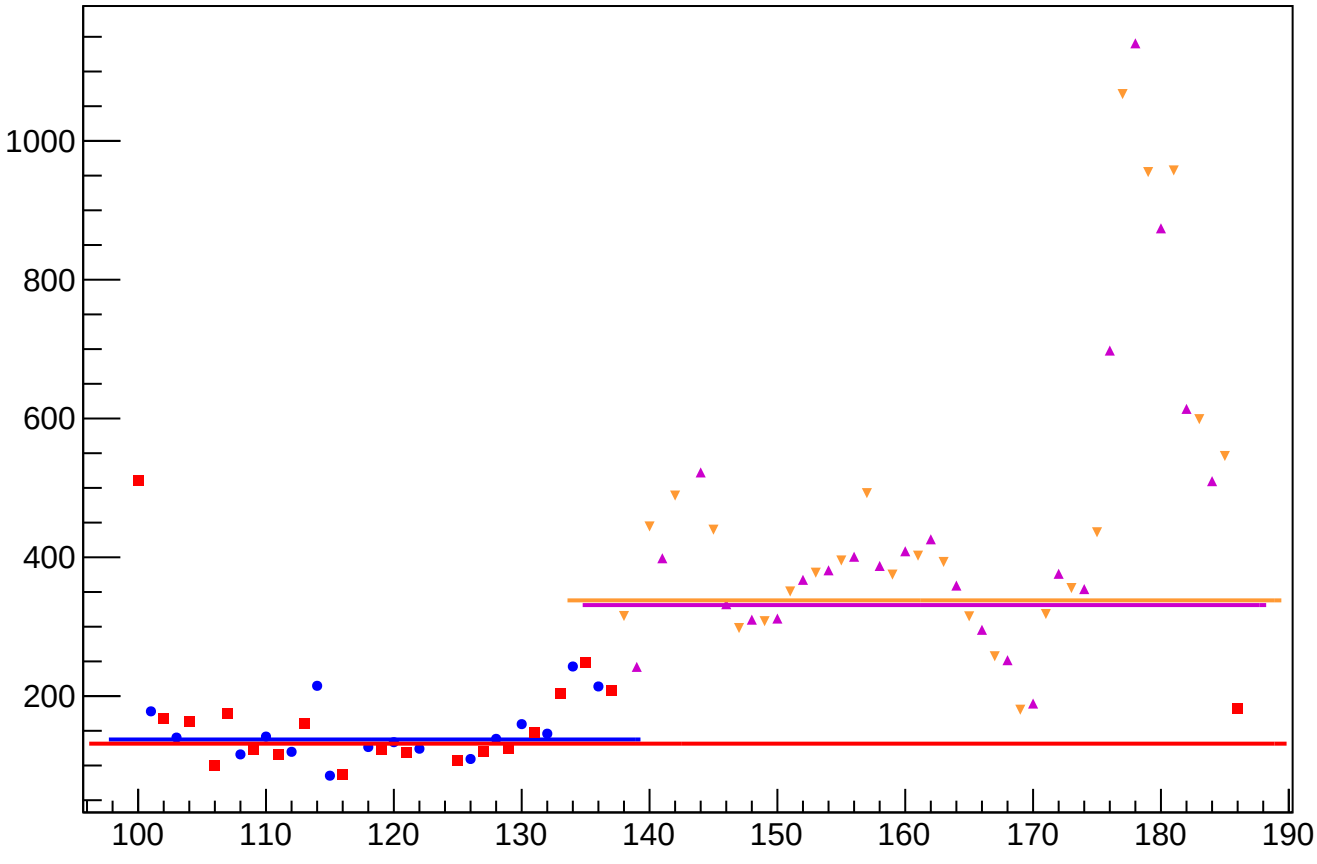
Right Out: -0.027+/-0.052 χ^2/NDF: 31.3/18

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.030+/-0.046 χ^2/NDF: 46.5/39

All: -0.014+/-0.032 χ^2/NDF: 106.3/81

- sign 0.002+/-0.044 χ^2/NDF: 59.5/41



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

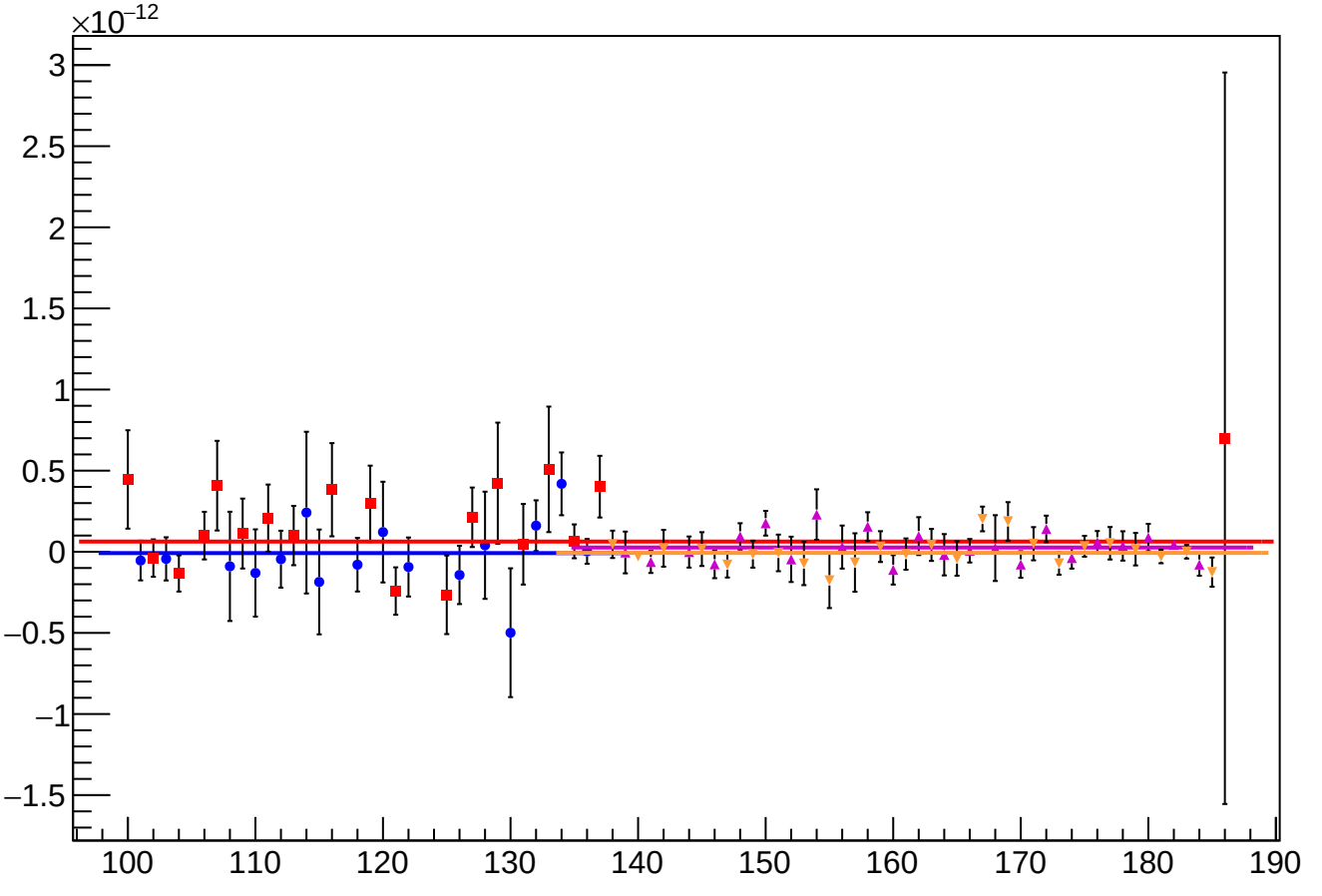
Right Out: 131.474+/-0.037 χ^2/NDF: 894378.9/18

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 194.999+/-0.032 χ^2/NDF: 13056187.2/39

All: 190.776+/-0.022 χ^2/NDF: 26371336.7/81

- sign 186.885+/-0.031 χ^2/NDF: 13282451.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

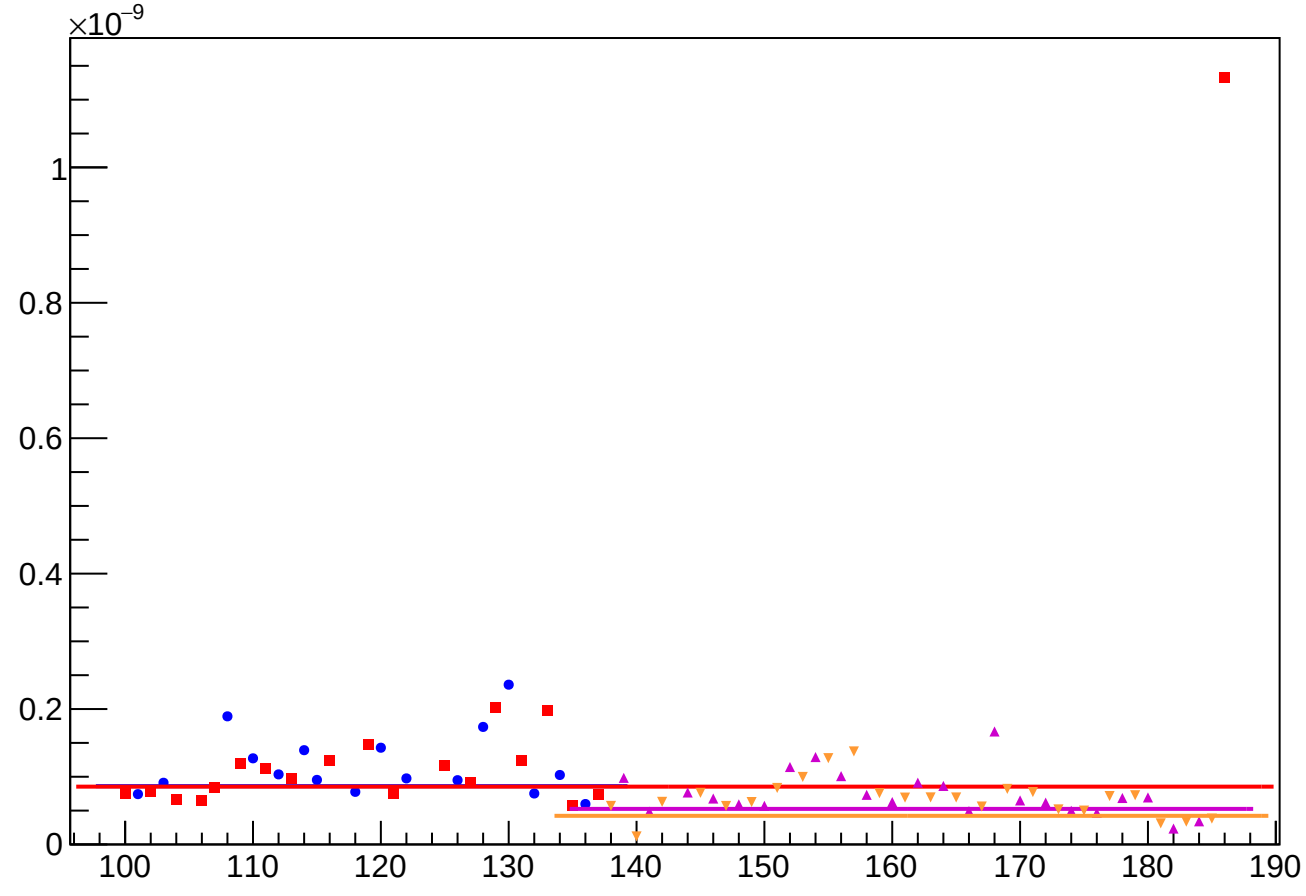
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/18

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/39

All: 0.000+/-0.000 χ^2/NDF: 77.2/81

- sign 0.000+/-0.000 χ^2/NDF: 45.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1415528.7/18

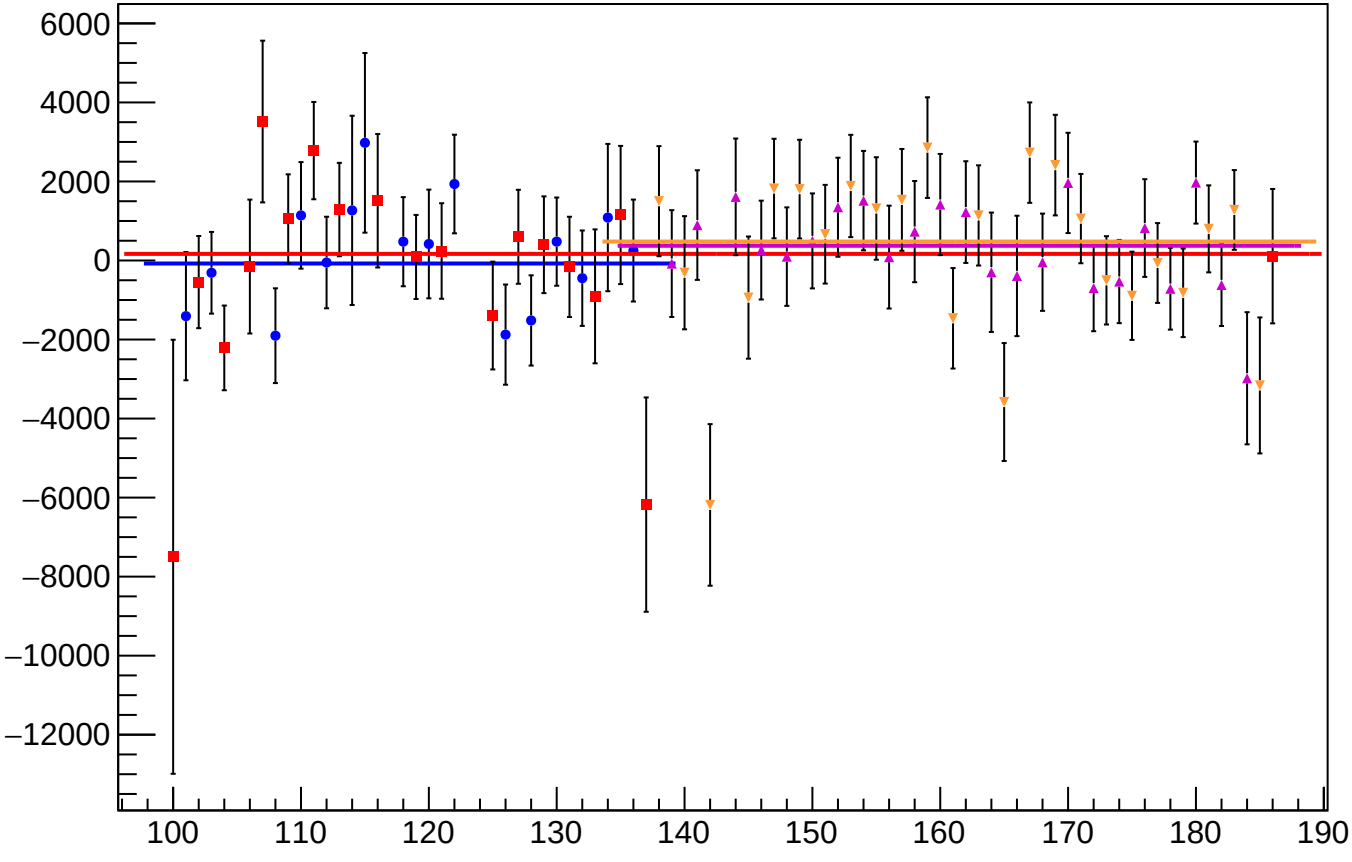
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9660479.8/39

All: 0.000+/-0.000 χ^2/NDF: 17542615.6/81

- sign 0.000+/-0.000 χ^2/NDF: 7391718.0/41

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 167.280+/-316.215 χ^2/NDF: 24.4/18

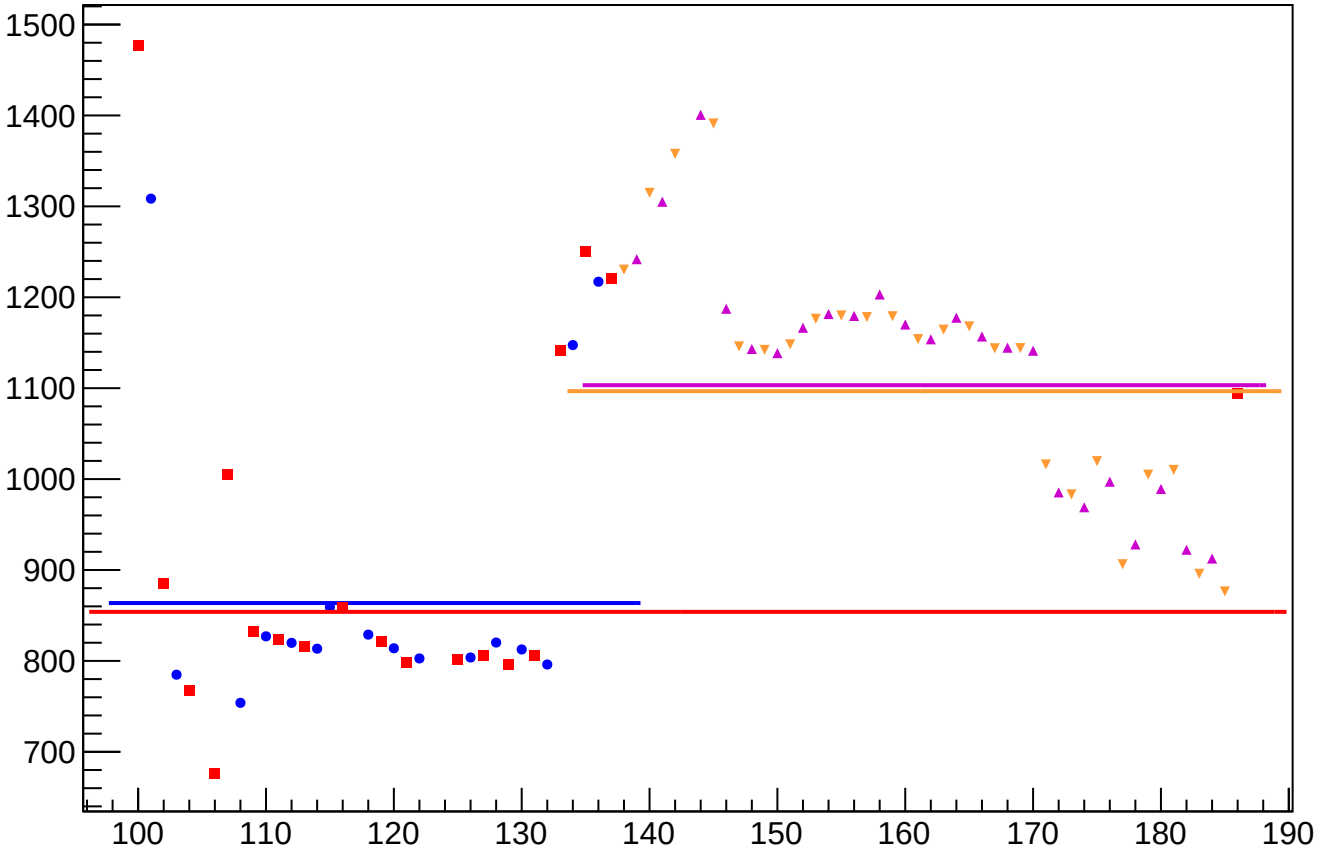
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 267.510+/-201.554 χ^2/NDF: 60.3/39

All: 278.933+/-142.151 χ^2/NDF: 101.0/81

- sign 290.238+/-200.514 χ^2/NDF: 40.7/41

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 853.965+/-0.221 χ^2/NDF: 349022.5/18

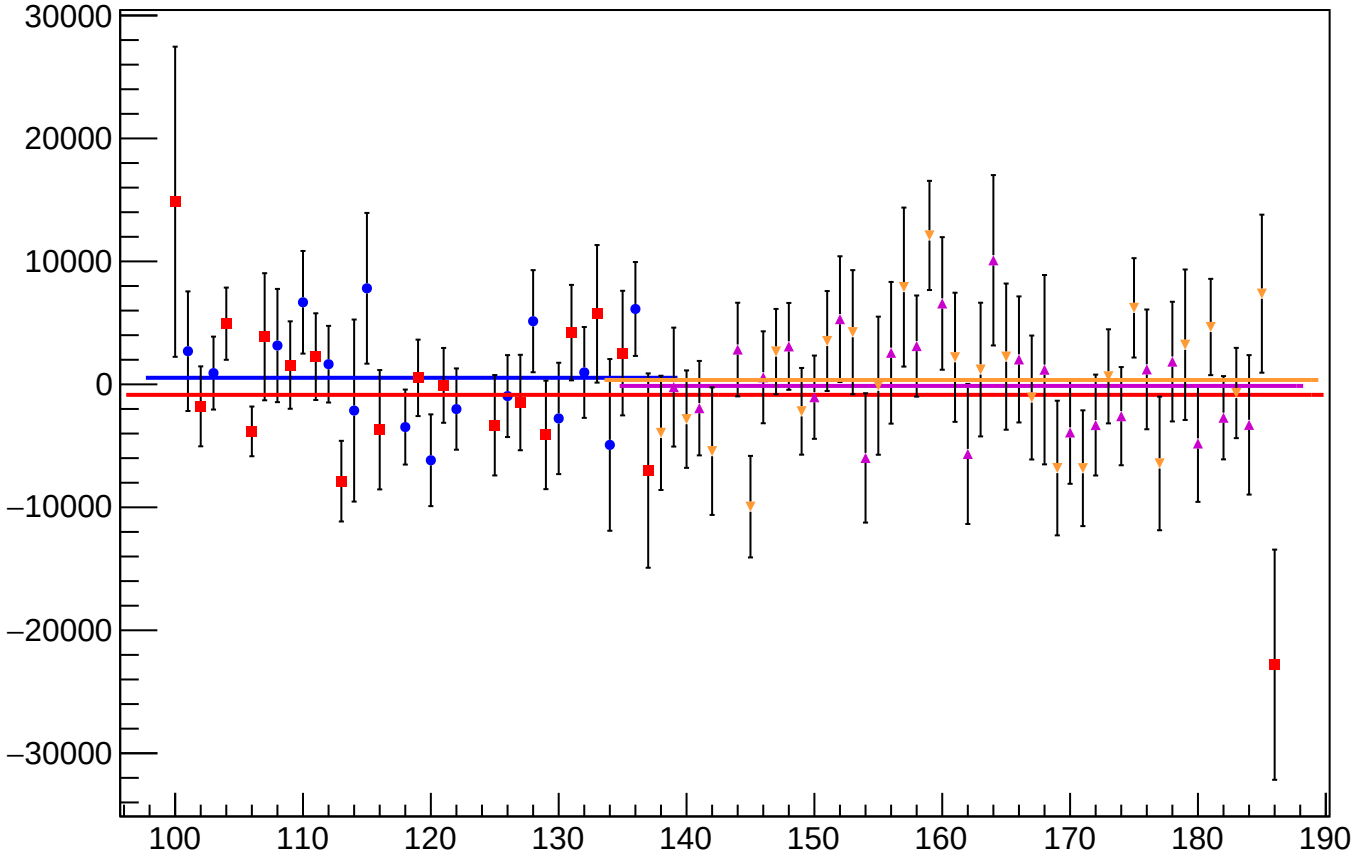
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1007.751+/-0.143 χ^2/NDF: 1519063.1/39

All: 1004.640+/-0.100 χ^2/NDF: 3070632.8/81

- sign 1001.590+/-0.141 χ^2/NDF: 1550625.9/41

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -853.279+/-861.300 χ^2/NDF: 25.5/18

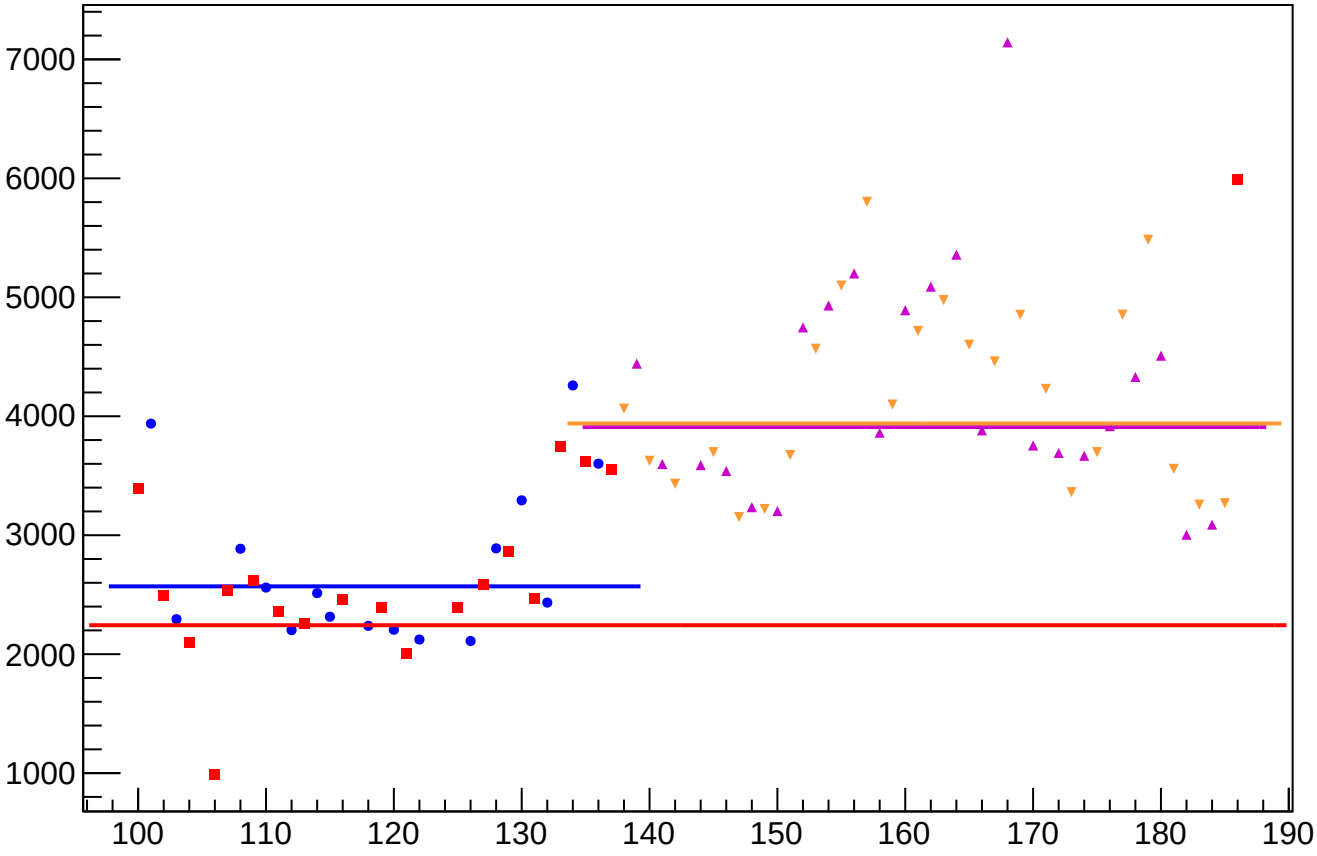
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 441.777+/-676.622 χ^2/NDF: 44.9/39

All: -70.679+/-462.155 χ^2/NDF: 85.6/81

- sign -518.838+/-632.752 χ^2/NDF: 39.6/41

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2243.285+/-0.609 χ^2/NDF: 1587680.8/18

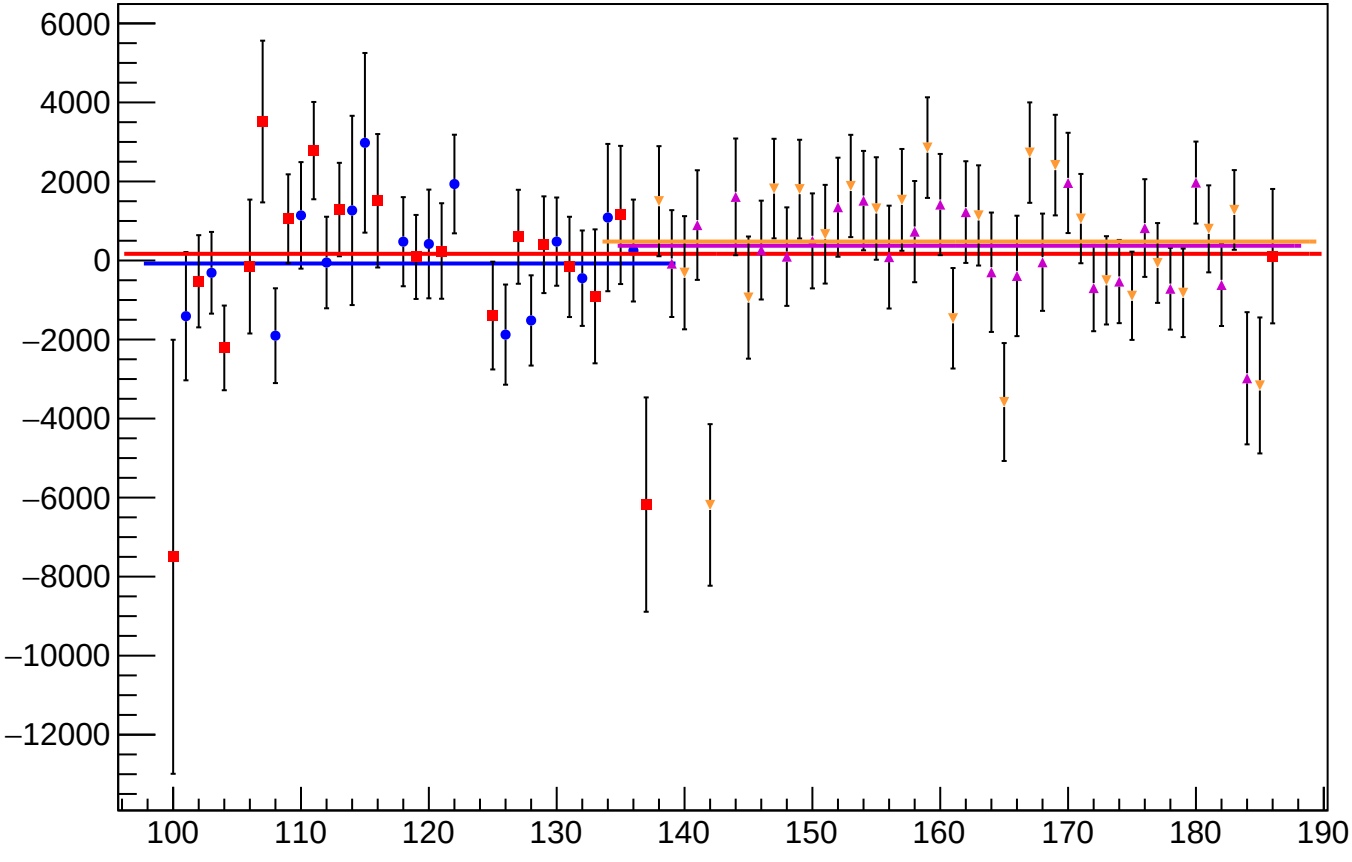
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3288.322+/-0.478 χ^2/NDF: 3797427.4/39

All: 3139.880+/-0.327 χ^2/NDF: 10310032.9/8

- sign 3010.063+/-0.447 χ^2/NDF: 6332161.3/41

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 168.863+/-316.220 χ^2/NDF: 24.4/18

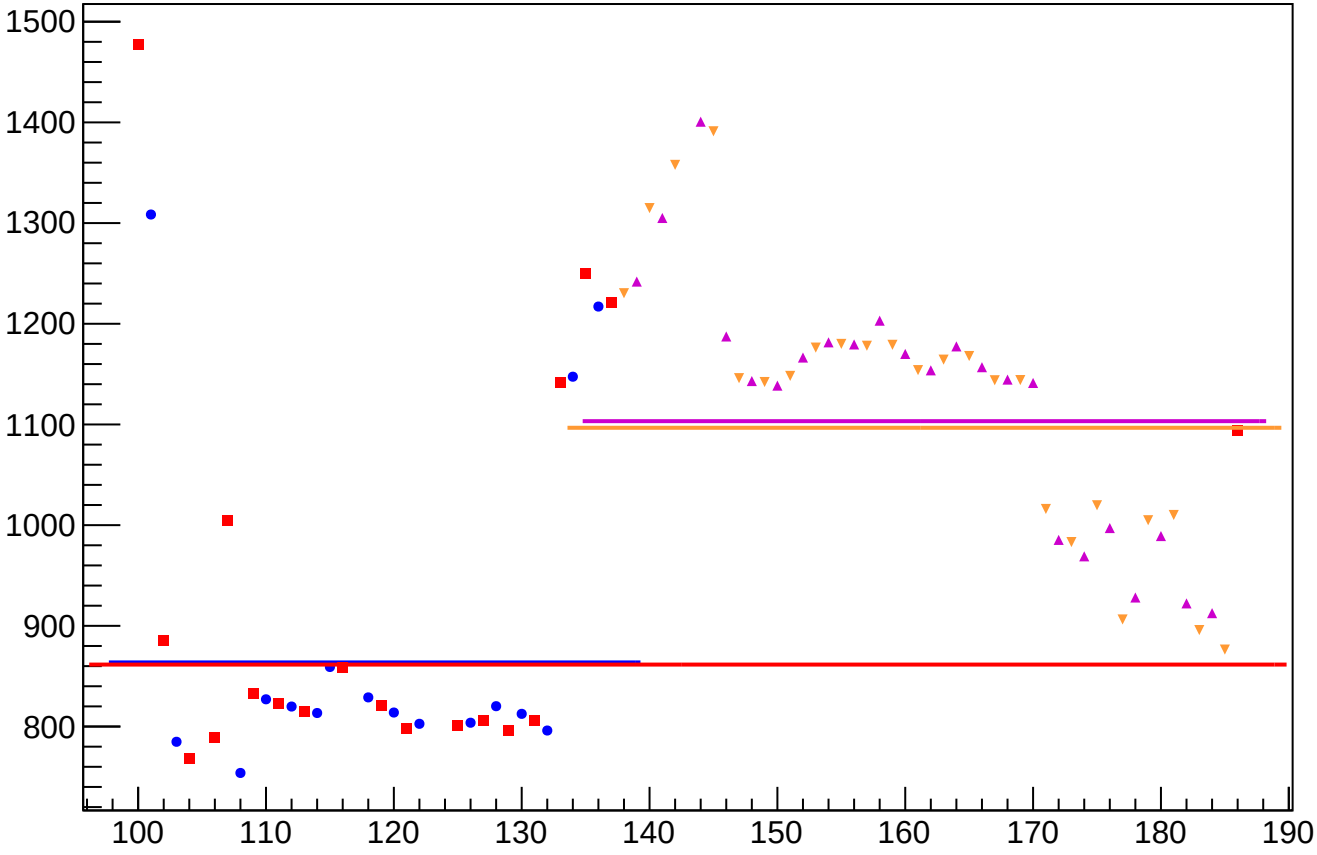
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 267.497+/-201.554 χ^2/NDF: 60.3/39

All: 279.239+/-142.151 χ^2/NDF: 101.0/81

- sign 290.861+/-200.515 χ^2/NDF: 40.7/41

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 861.530+/-0.222 χ^2/NDF: 314065.5/18

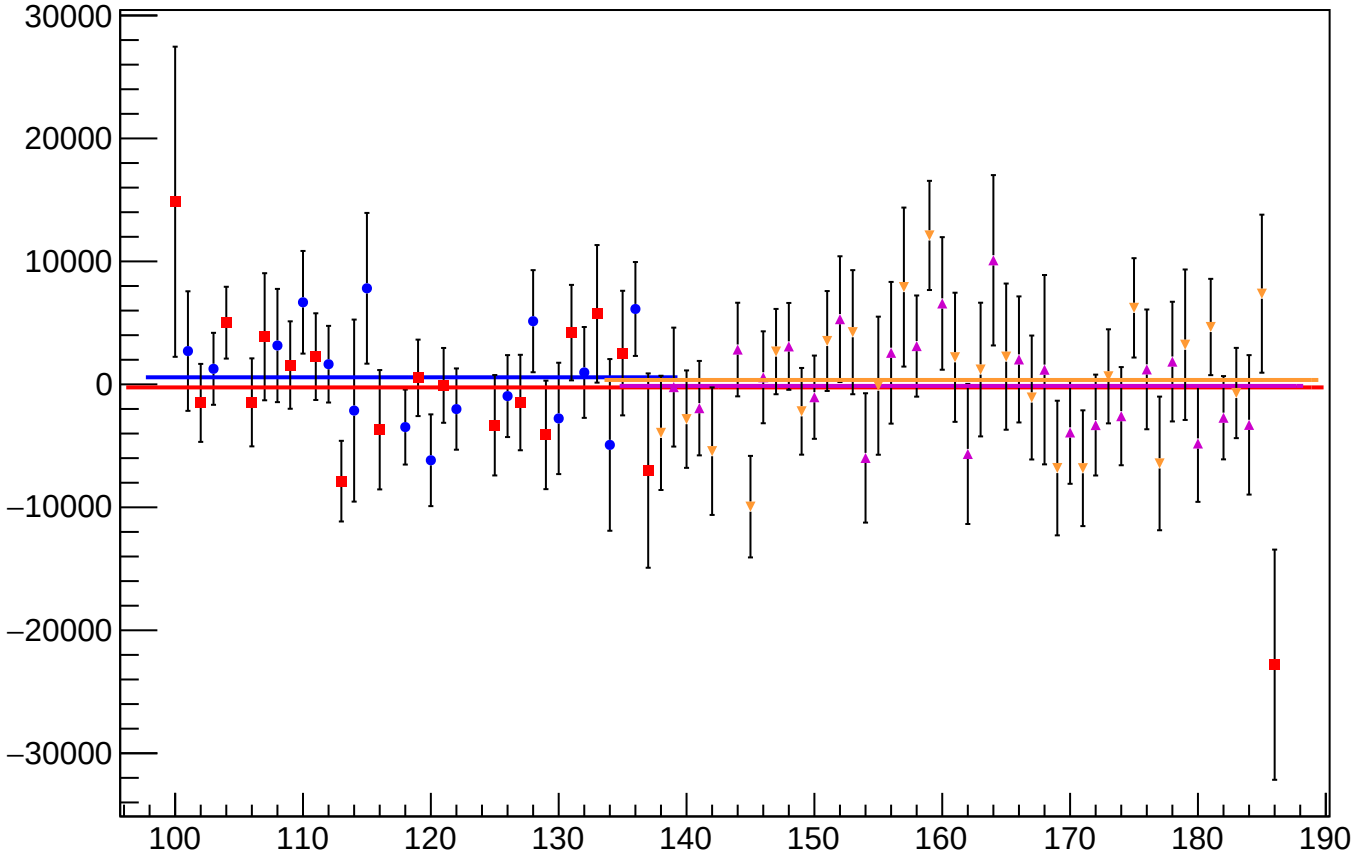
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1007.751+/-0.143 χ^2/NDF: 1519063.2/39

All: 1006.615+/-0.100 χ^2/NDF: 2983897.4/81

- sign 1005.495+/-0.141 χ^2/NDF: 1464708.1/41

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -247.461+/-917.673 χ^2/NDF: 23.1/18

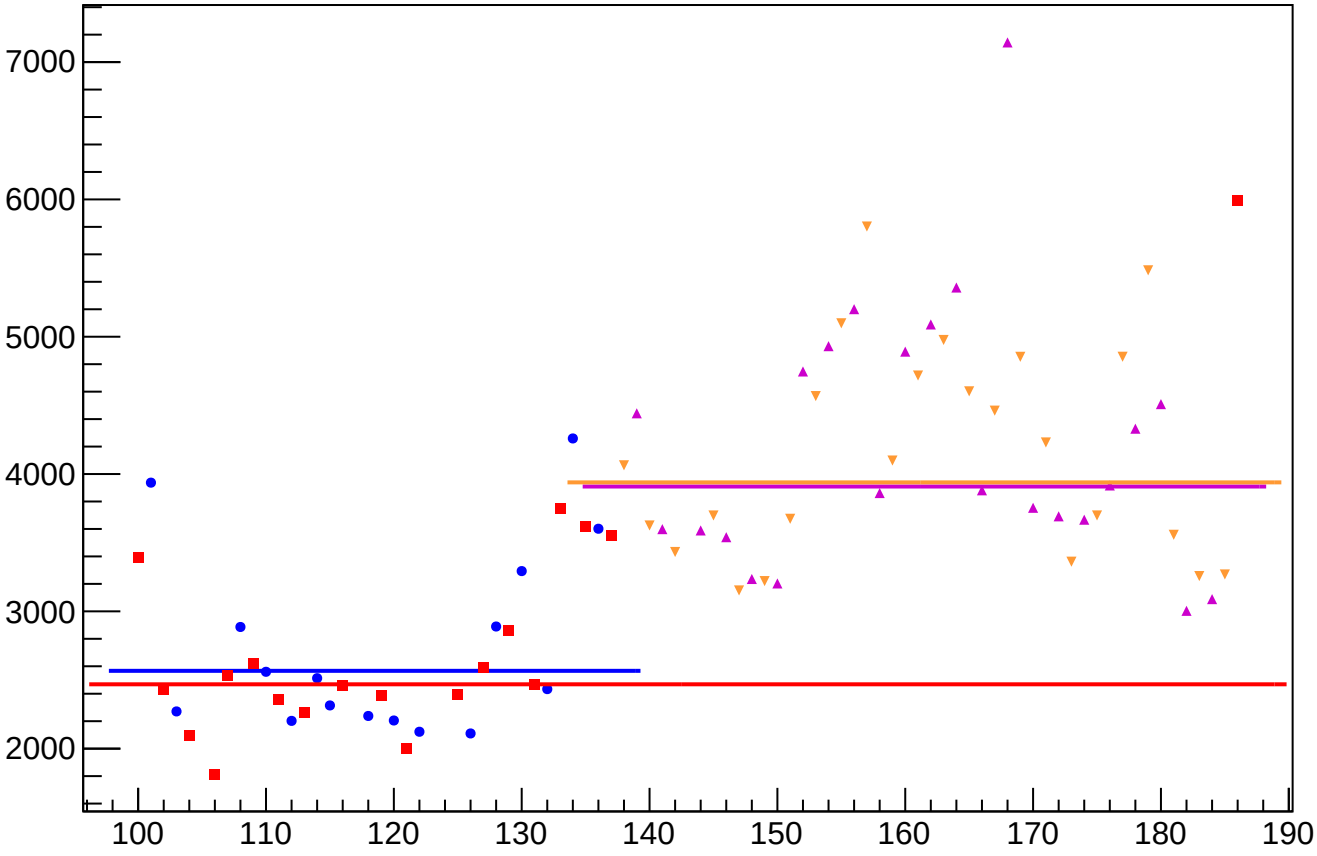
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 461.170+/-676.152 χ^2/NDF: 45.0/39

All: 125.824+/-470.129 χ^2/NDF: 82.3/81

- sign -188.026+/-654.122 χ^2/NDF: 36.8/41

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2468.628+/-0.649 χ^2/NDF: 720270.8/18

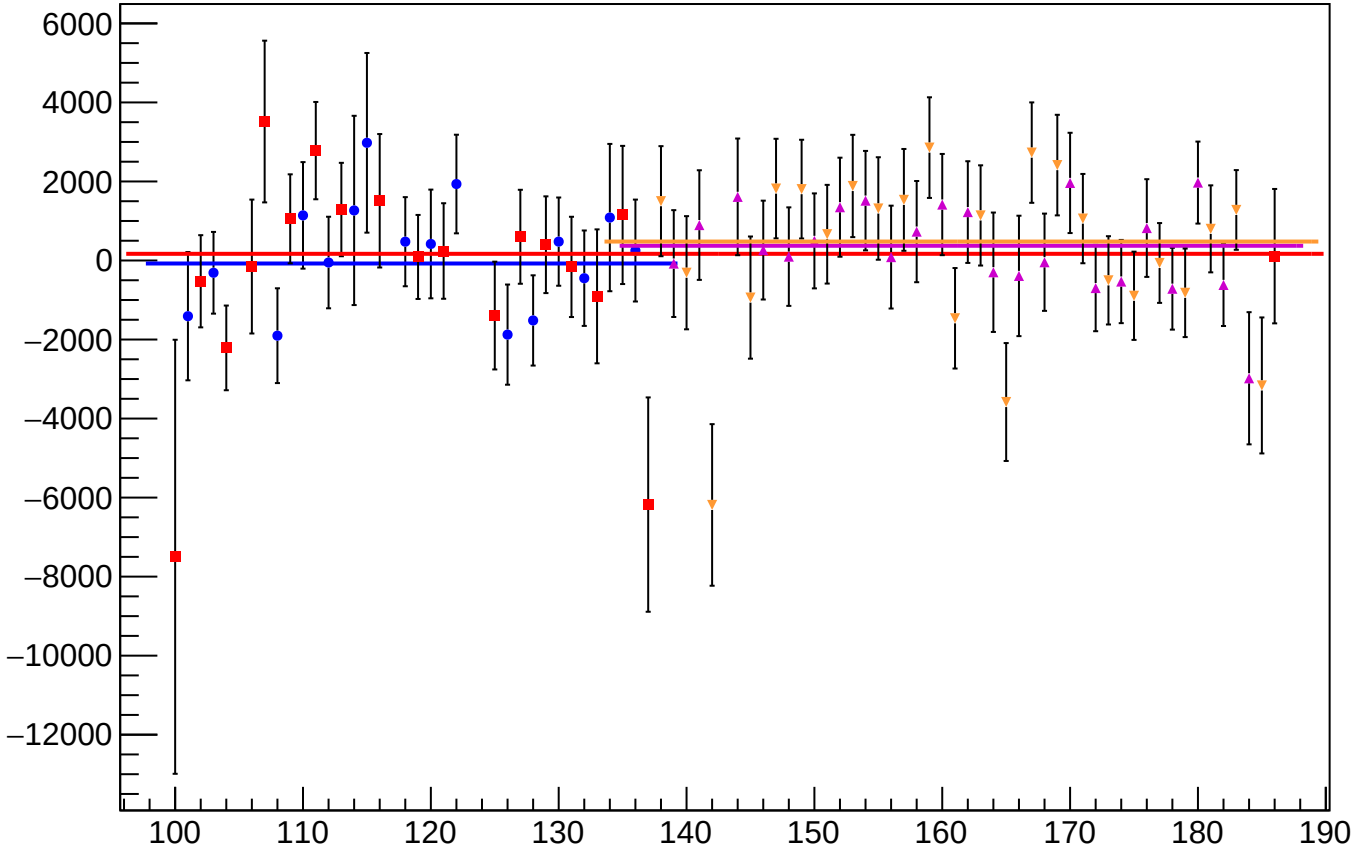
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3285.704+/-0.478 χ^2/NDF: 3814136.6/39

All: 3229.668+/-0.332 χ^2/NDF: 8285966.1/81

- sign 3177.223+/-0.463 χ^2/NDF: 4445236.6/41

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 168.863+/-316.220 χ^2/NDF: 24.4/18

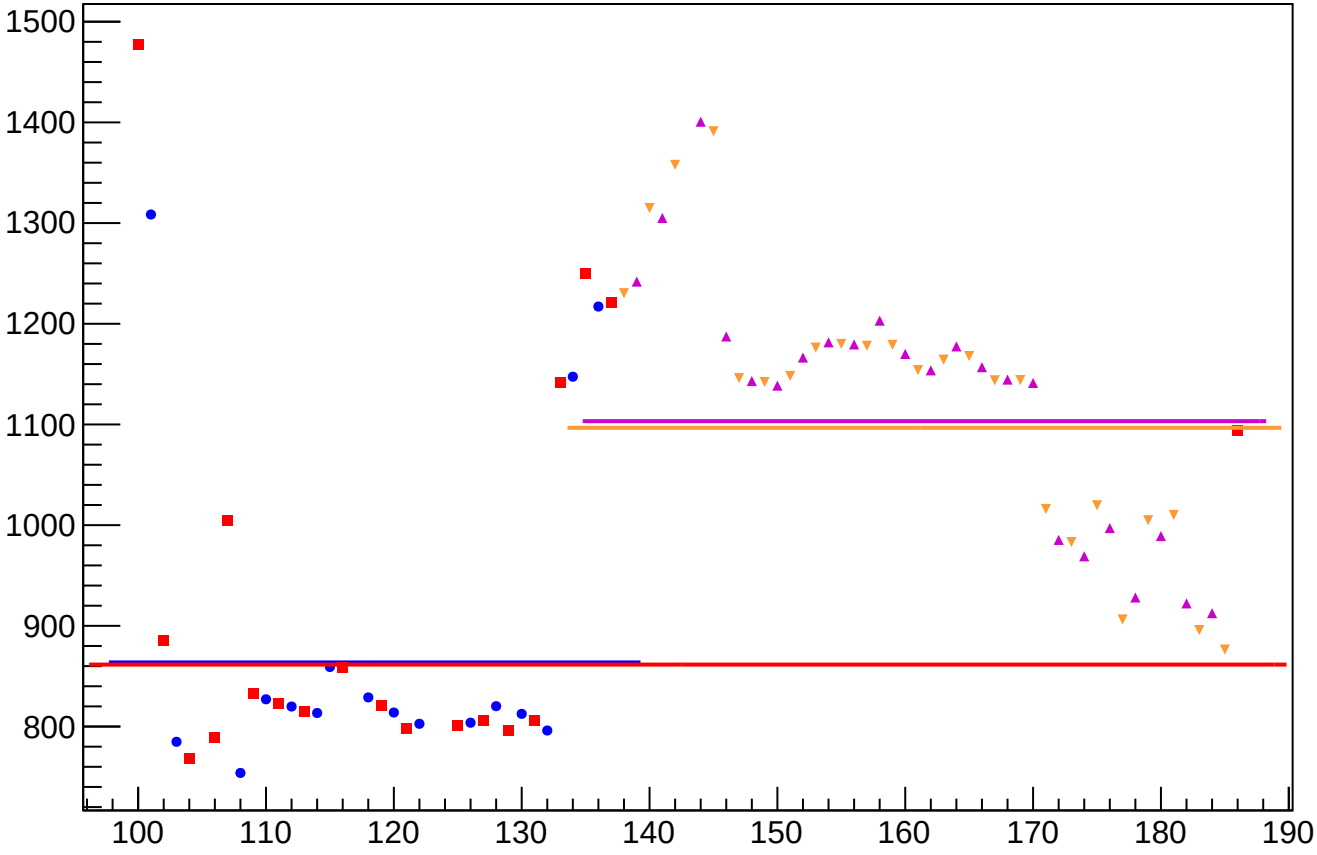
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 267.497+/-201.554 χ^2/NDF: 60.3/39

All: 279.239+/-142.151 χ^2/NDF: 101.0/81

- sign 290.861+/-200.515 χ^2/NDF: 40.7/41

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

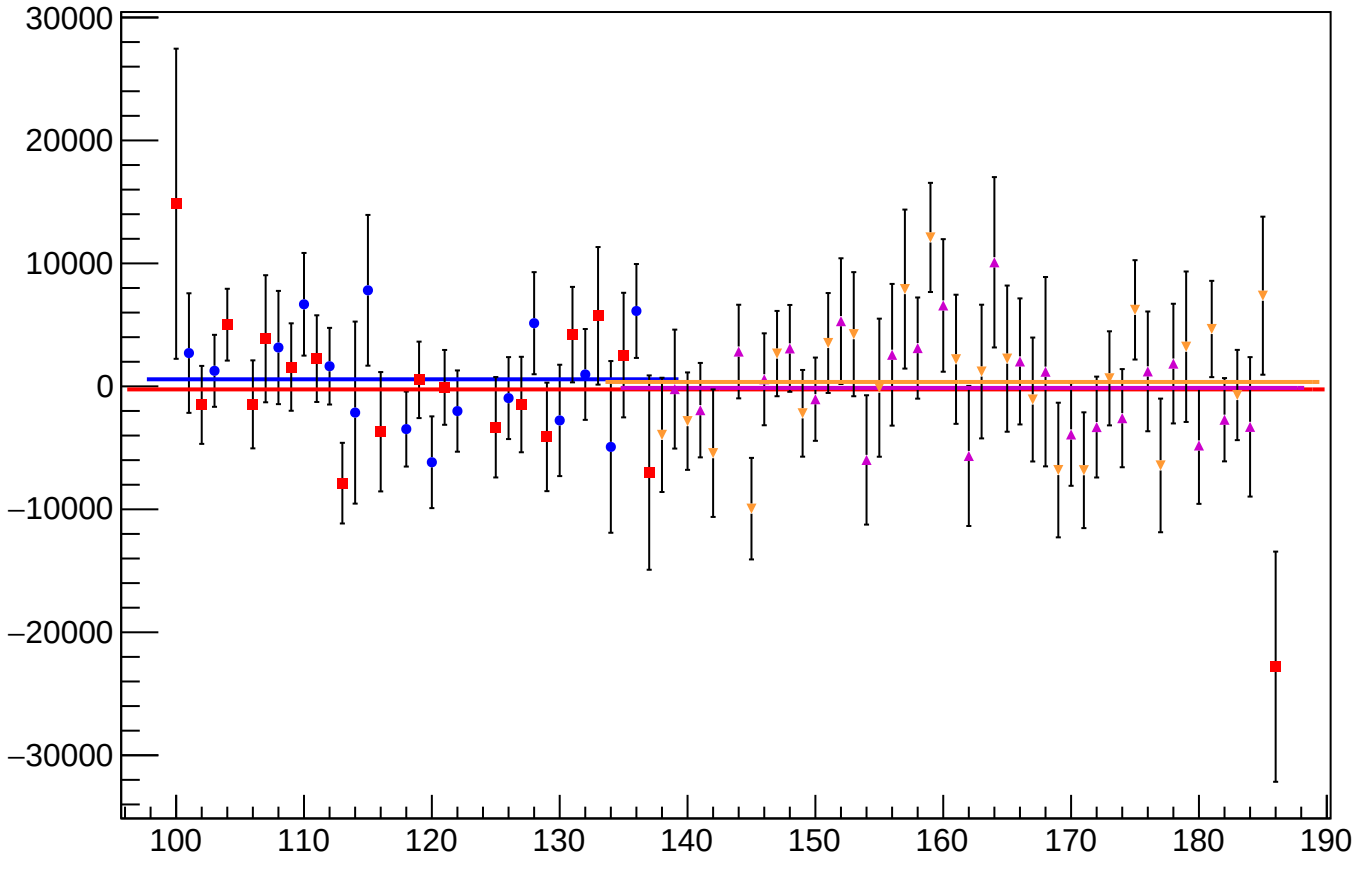
Right Out: 861.530+/-0.222 χ^2/NDF: 314065.5/18

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1007.751+/-0.143 χ^2/NDF: 1519063.2/39

All: 1006.615+/-0.100 χ^2/NDF: 2983897.4/81

- sign 1005.495+/-0.141 χ^2/NDF: 1464708.1/41



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -247.461+/-917.673 χ^2/NDF: 23.1/18

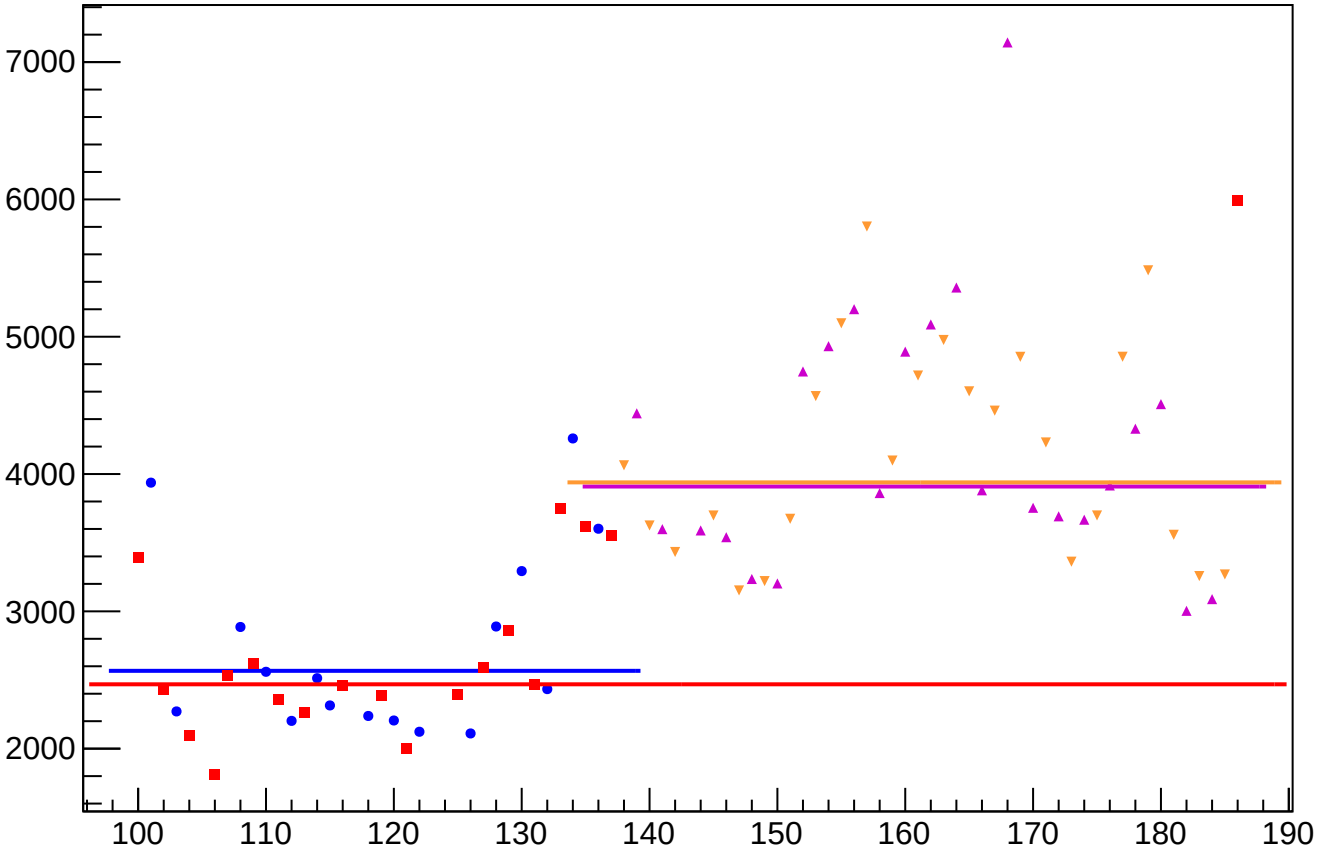
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 461.170+/-676.152 χ^2/NDF: 45.0/39

All: 125.824+/-470.129 χ^2/NDF: 82.3/81

- sign -188.026+/-654.122 χ^2/NDF: 36.8/41

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2468.628+/-0.649 χ^2/NDF: 720270.8/18

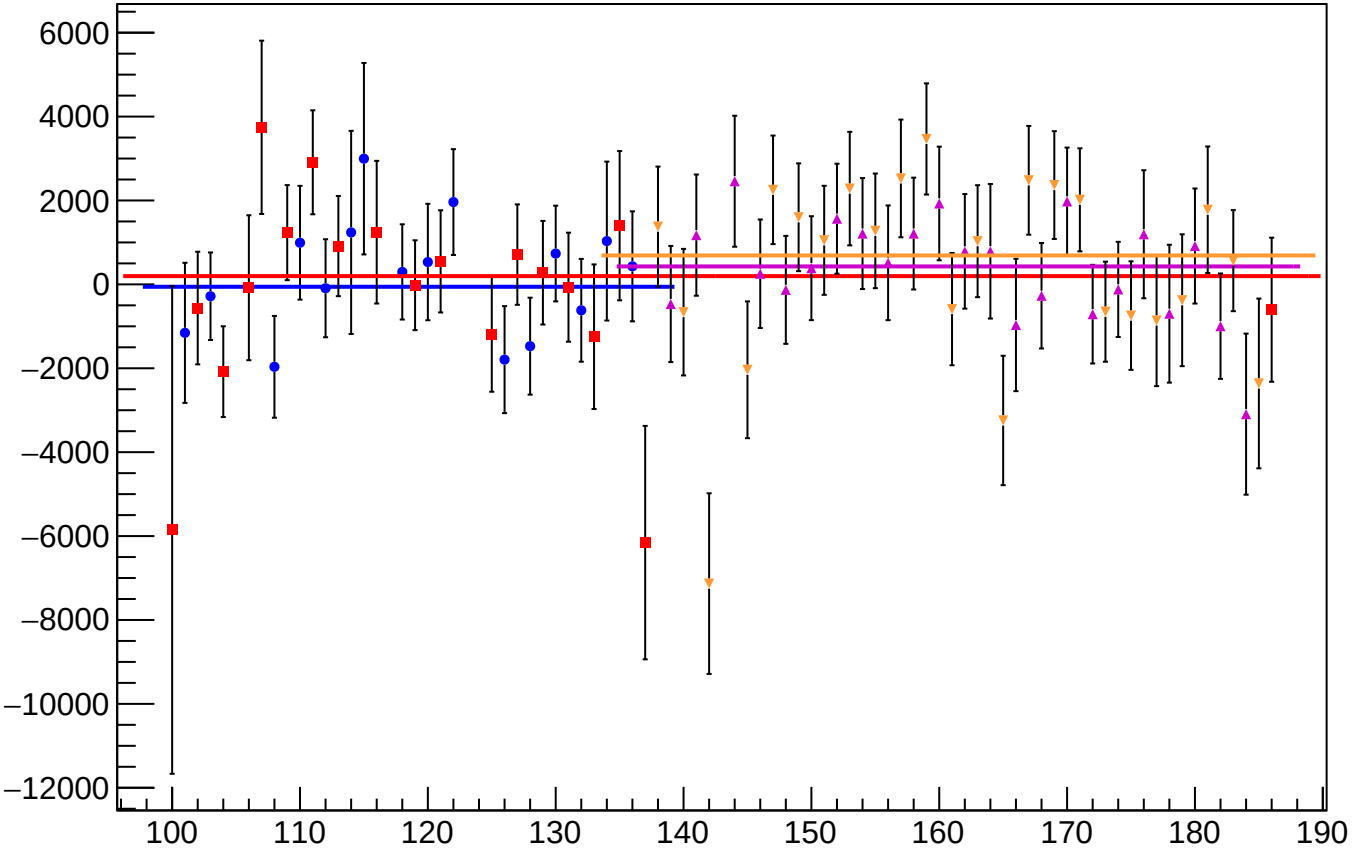
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3285.704+/-0.478 χ^2/NDF: 3814136.6/39

All: 3229.668+/-0.332 χ^2/NDF: 8285966.1/81

- sign 3177.223+/-0.463 χ^2/NDF: 4445236.6/41

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 196.821+/-322.239 χ^2/NDF: 23.1/18

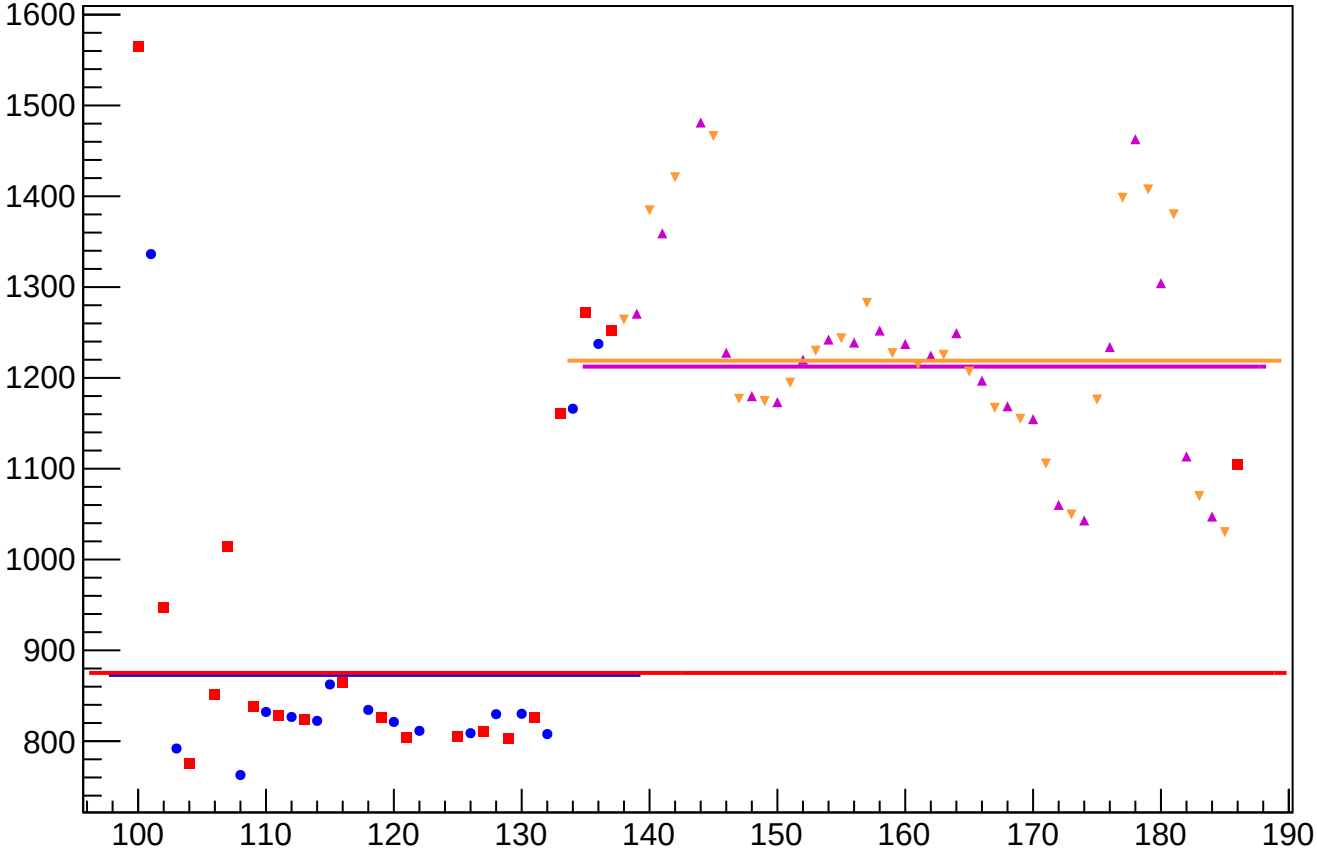
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

\+ sign 371.138+/-215.453 χ^2/NDF: 61.7/39

All: 348.744+/-151.554 χ^2/NDF: 99.7/81

\- sign 326.811+/-213.223 χ^2/NDF: 38.0/41

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

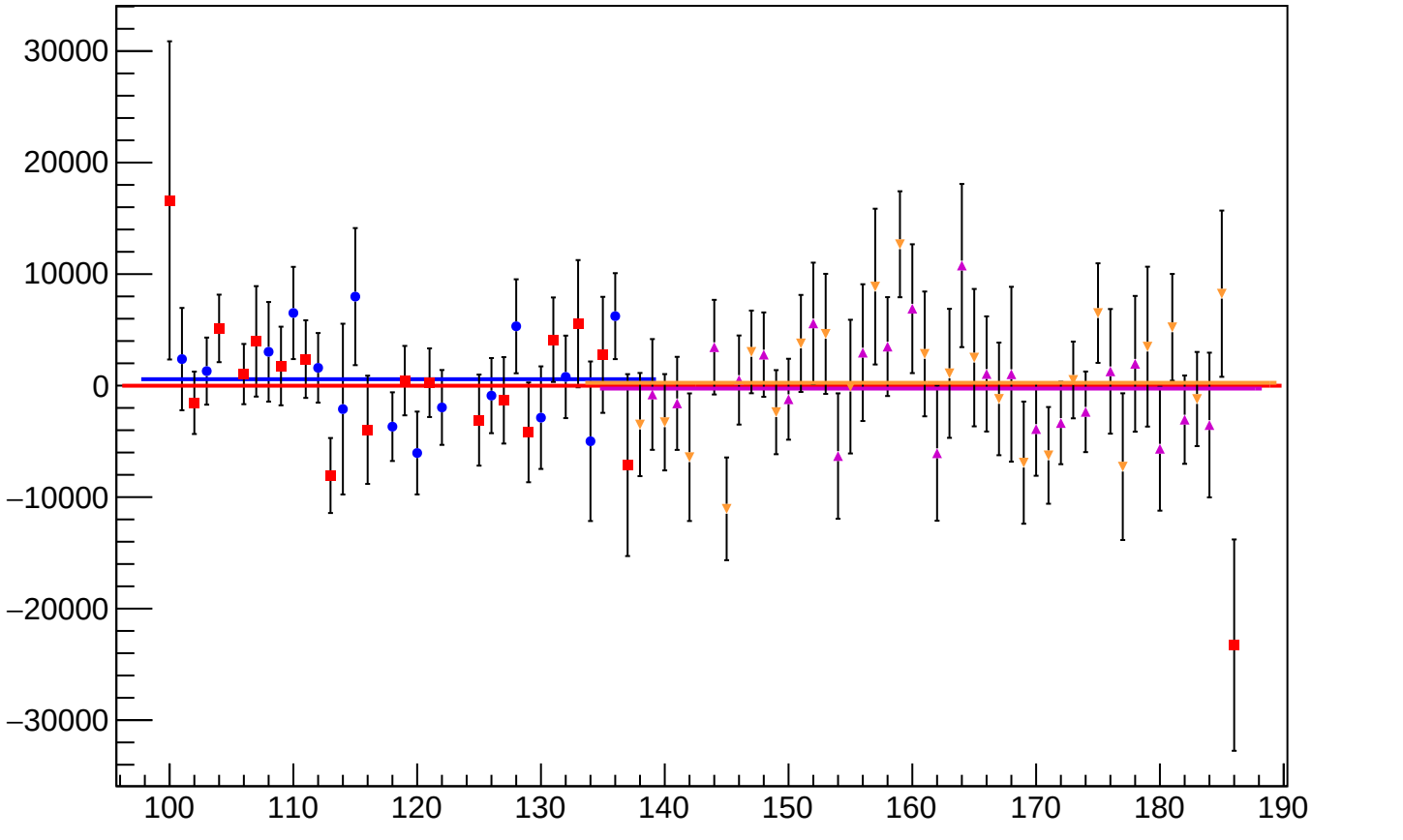
Right Out: 875.130+/-0.228 χ^2/NDF: 327383.7/18

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1071.538+/-0.152 χ^2/NDF: 1971924.1/39

All: 1068.031+/-0.107 χ^2/NDF: 3794003.2/81

- sign 1064.599+/-0.151 χ^2/NDF: 1821030.6/41



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -9.182+/-890.167 χ^2/NDF: 23.3/18

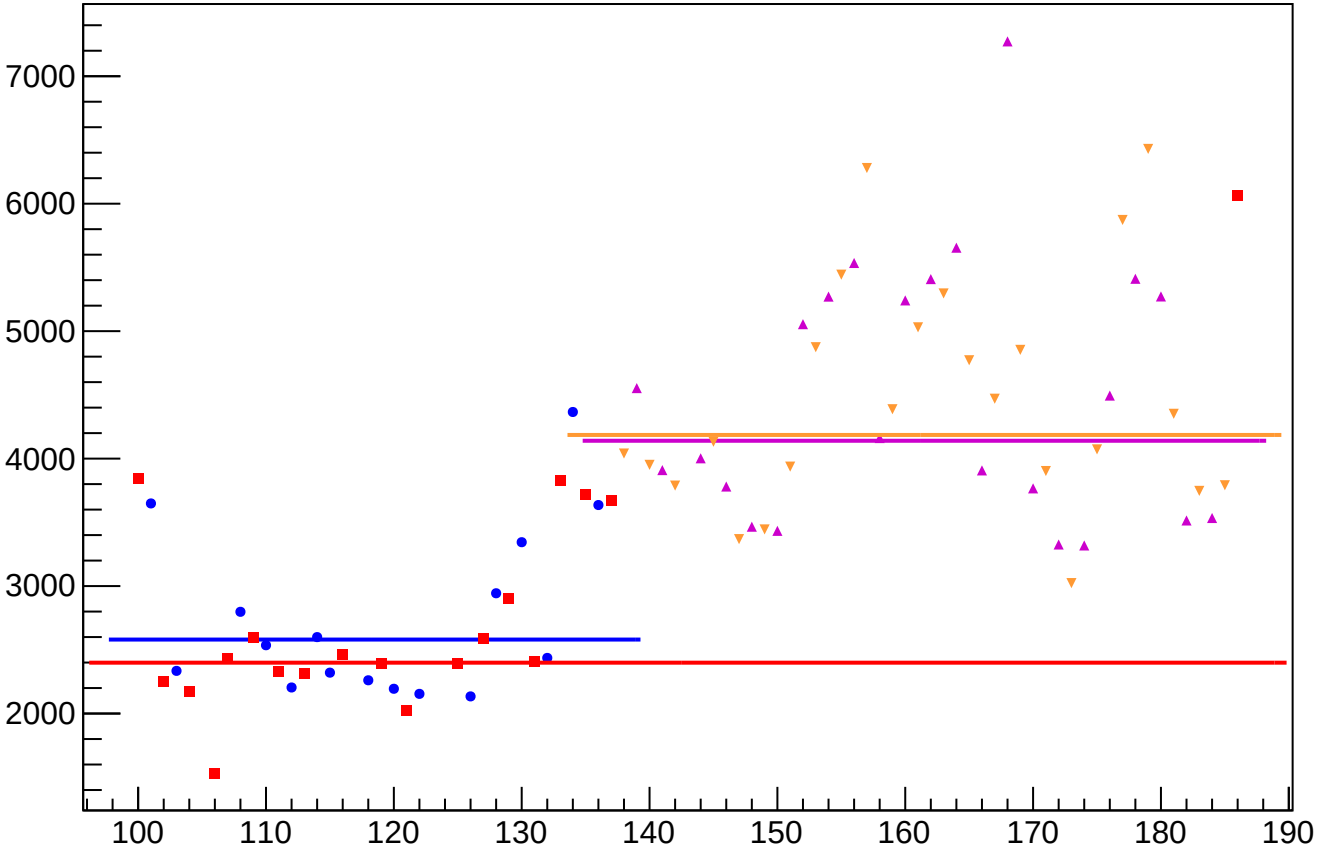
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 415.708+/-700.021 χ^2/NDF: 44.4/39

All: 130.737+/-480.968 χ^2/NDF: 81.5/81

- sign -124.087+/-661.958 χ^2/NDF: 36.7/41

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2399.045+/-0.629 χ^2/NDF: 913568.2/18

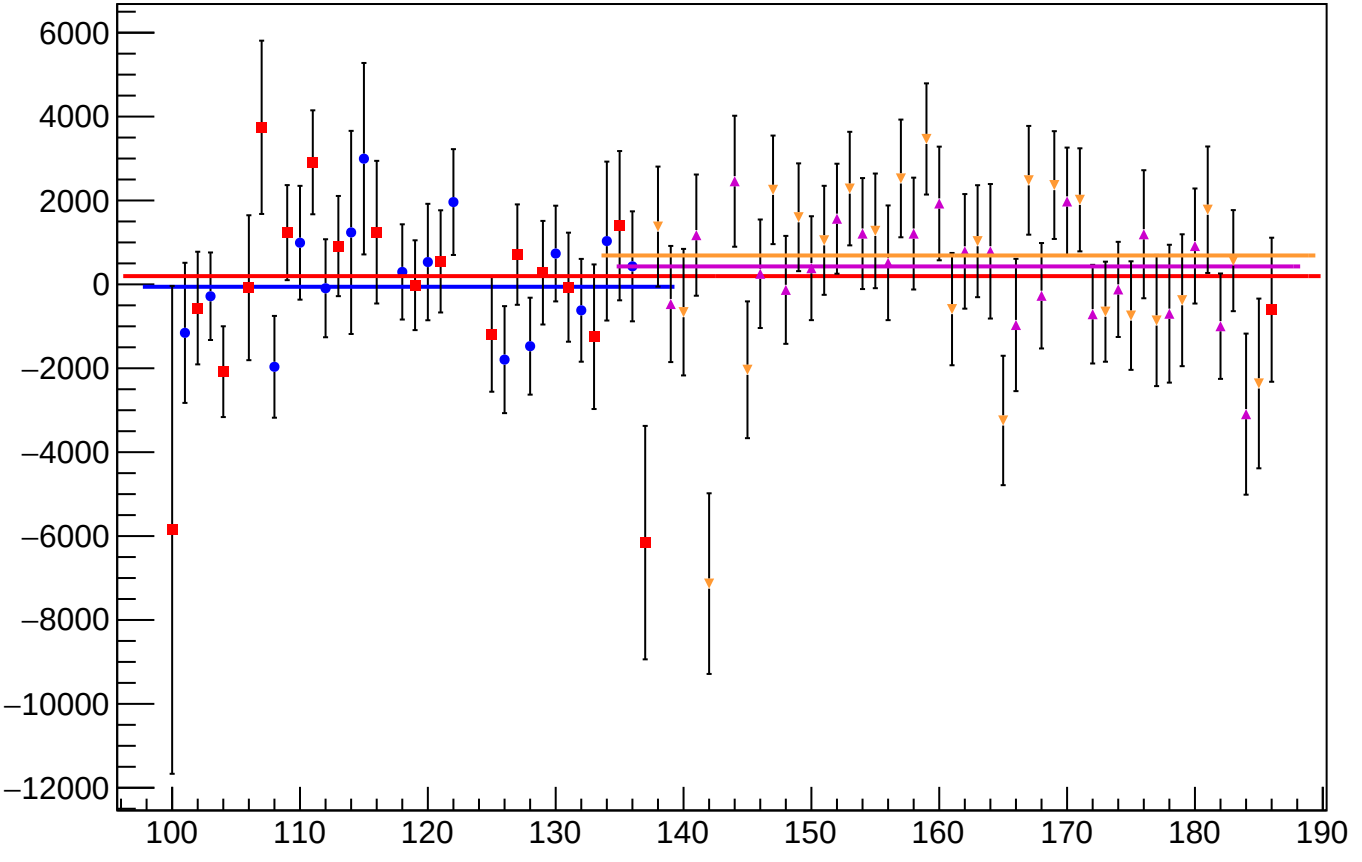
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3374.697+/-0.495 χ^2/NDF: 4517476.6/39

All: 3270.482+/-0.340 χ^2/NDF: 10384765.9/8

- sign 3177.292+/-0.468 χ^2/NDF: 5783324.6/41

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 196.827+/-322.239 χ^2/NDF: 23.1/18

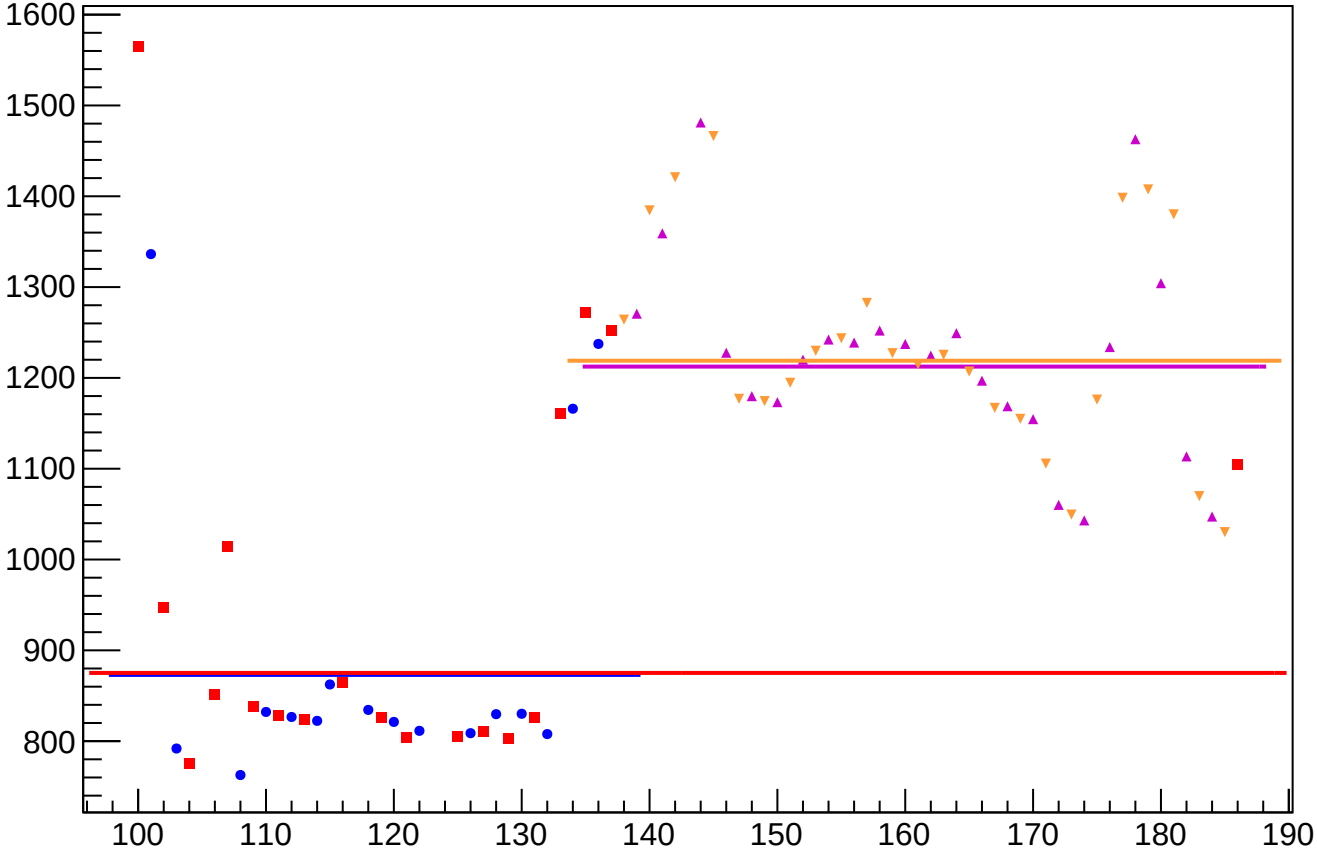
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 371.138+/-215.453 χ^2/NDF: 61.7/39

All: 348.744+/-151.554 χ^2/NDF: 99.7/81

- sign 326.812+/-213.223 χ^2/NDF: 38.0/41

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

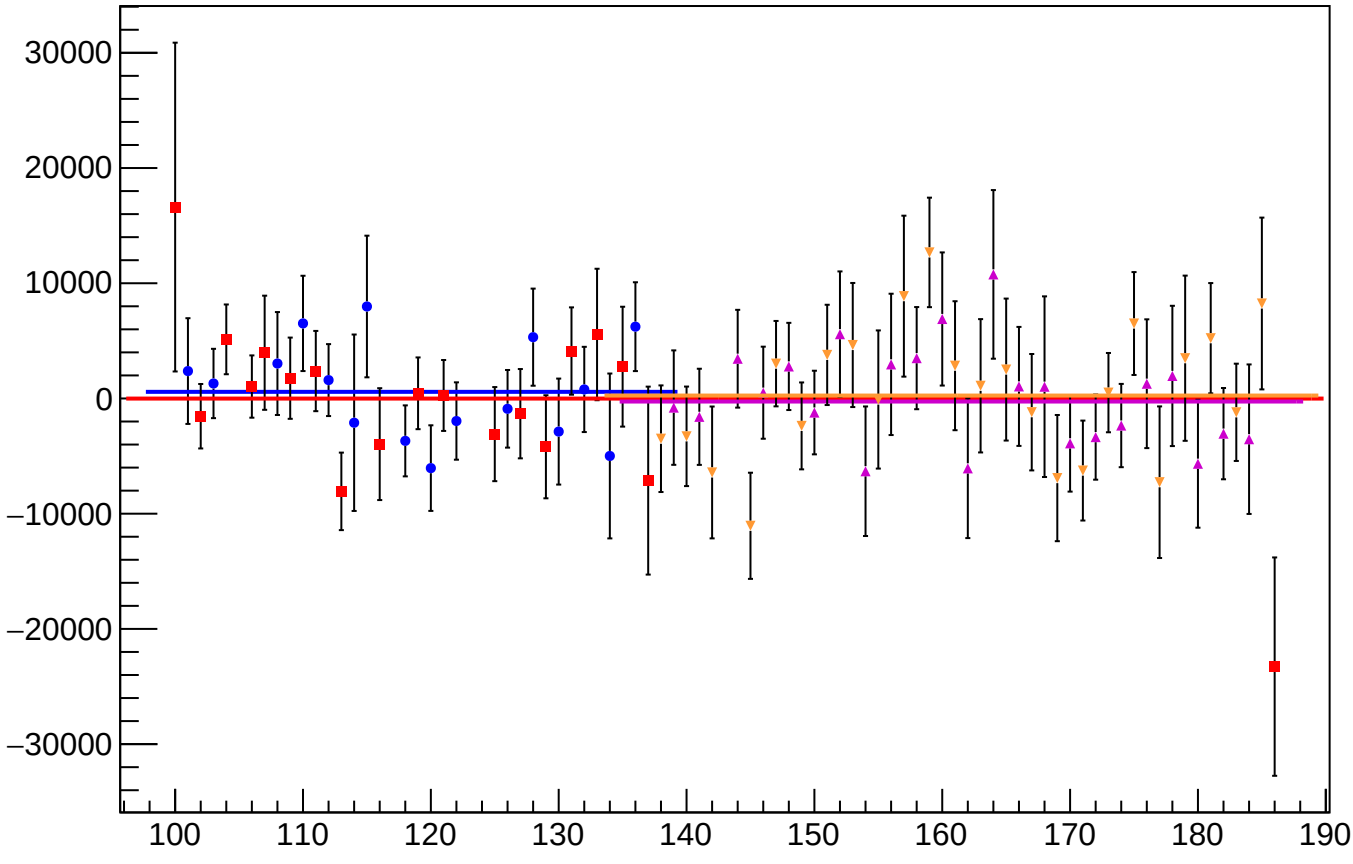
Right Out: 875.130+/-0.228 χ^2/NDF: 327383.3/18

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1071.538+/-0.152 χ^2/NDF: 1971940.7/39

All: 1068.031+/-0.107 χ^2/NDF: 3794036.3/81

- sign 1064.599+/-0.151 χ^2/NDF: 1821047.1/41



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: -9.180+/-890.165 χ^2/NDF: 23.3/18

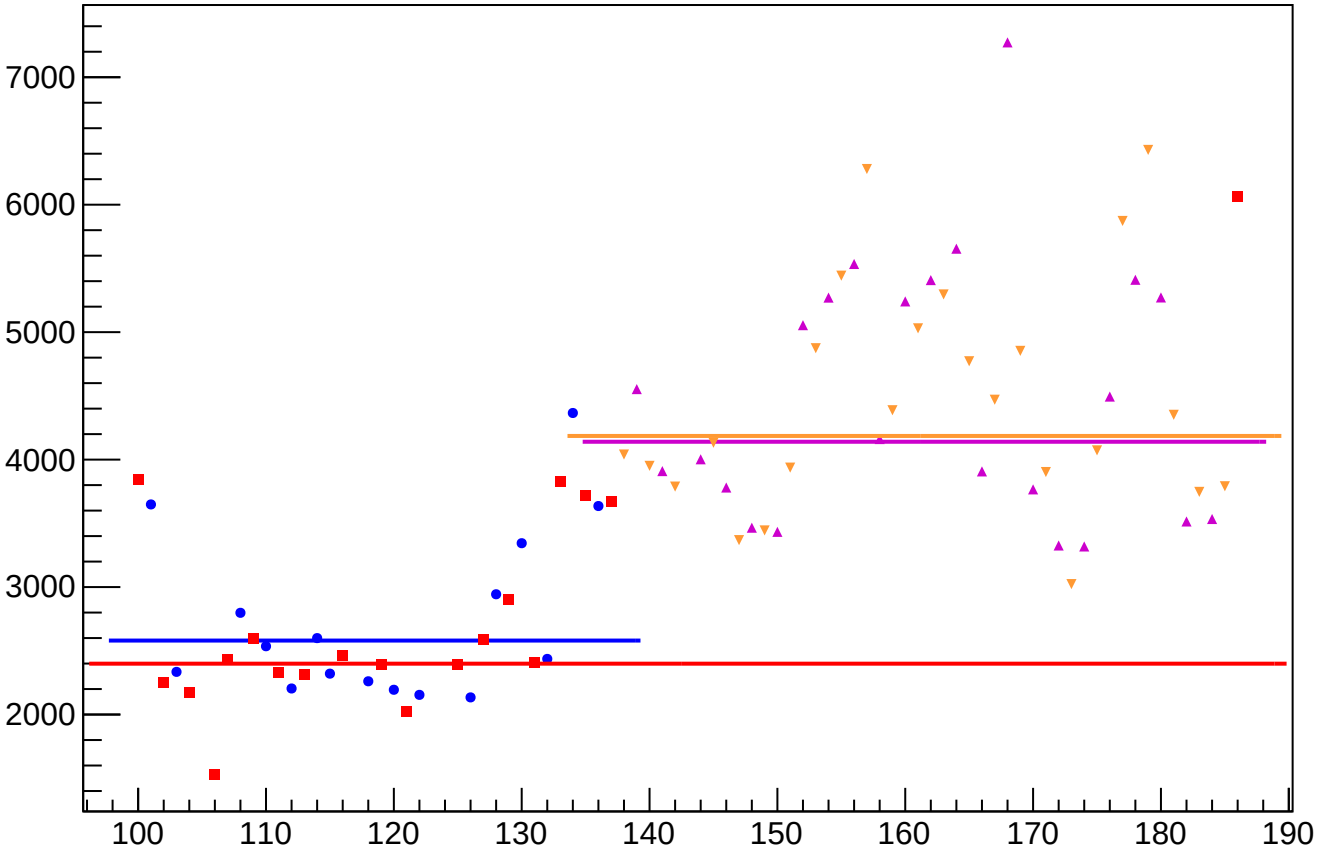
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 415.708+/-700.020 χ^2/NDF: 44.4/39

All: 130.737+/-480.968 χ^2/NDF: 81.5/81

- sign -124.086+/-661.957 χ^2/NDF: 36.7/41

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2399.038+/-0.629 χ^2/NDF: 913572.9/18

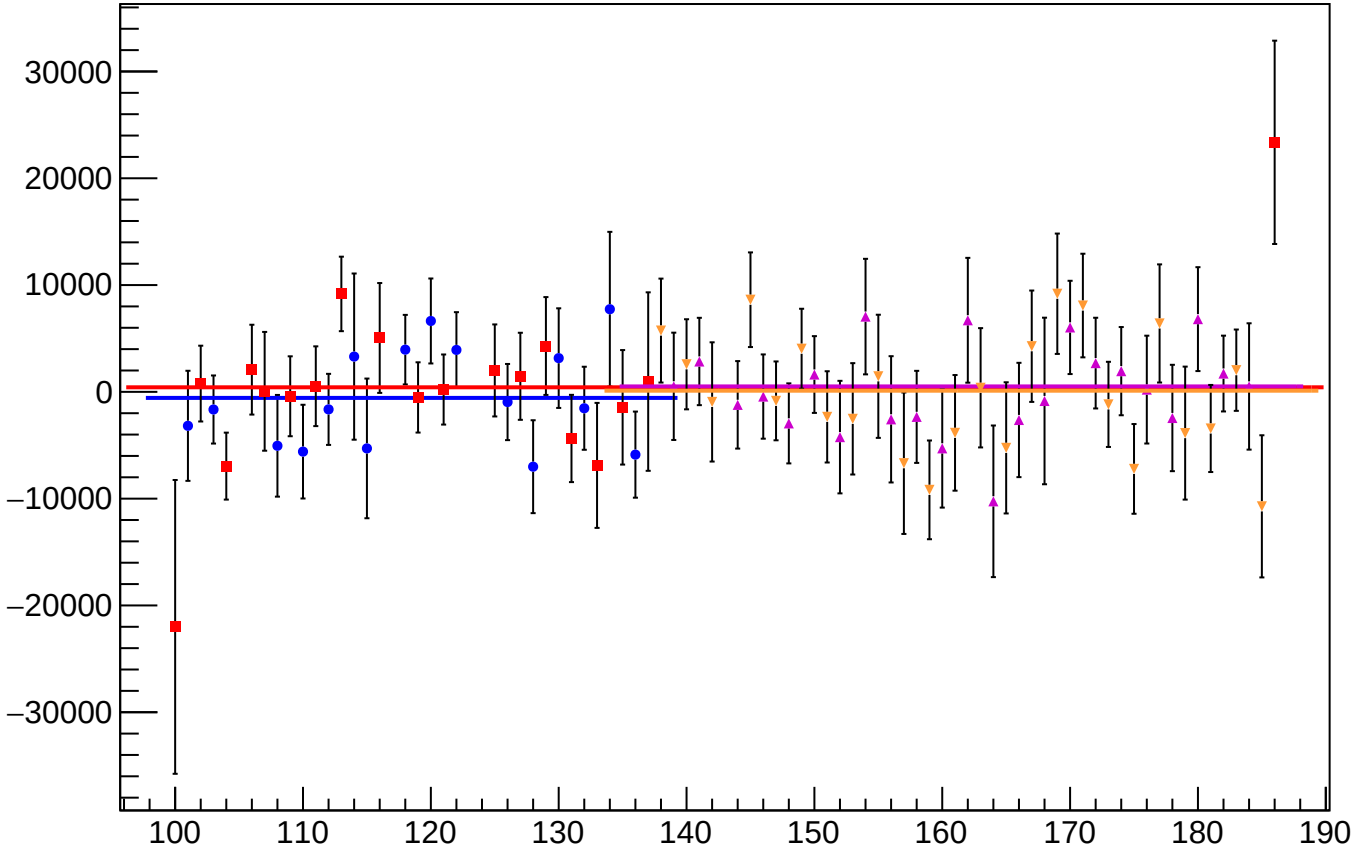
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3374.693+/-0.495 χ^2/NDF: 4517539.4/39

All: 3270.478+/-0.340 χ^2/NDF: 10384892.4/8

- sign 3177.288+/-0.468 χ^2/NDF: 5783387.9/41

asym_usl_atl2_dd_mean vs Slug



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 425.893+/-983.107 χ^2/NDF: 25.4/18

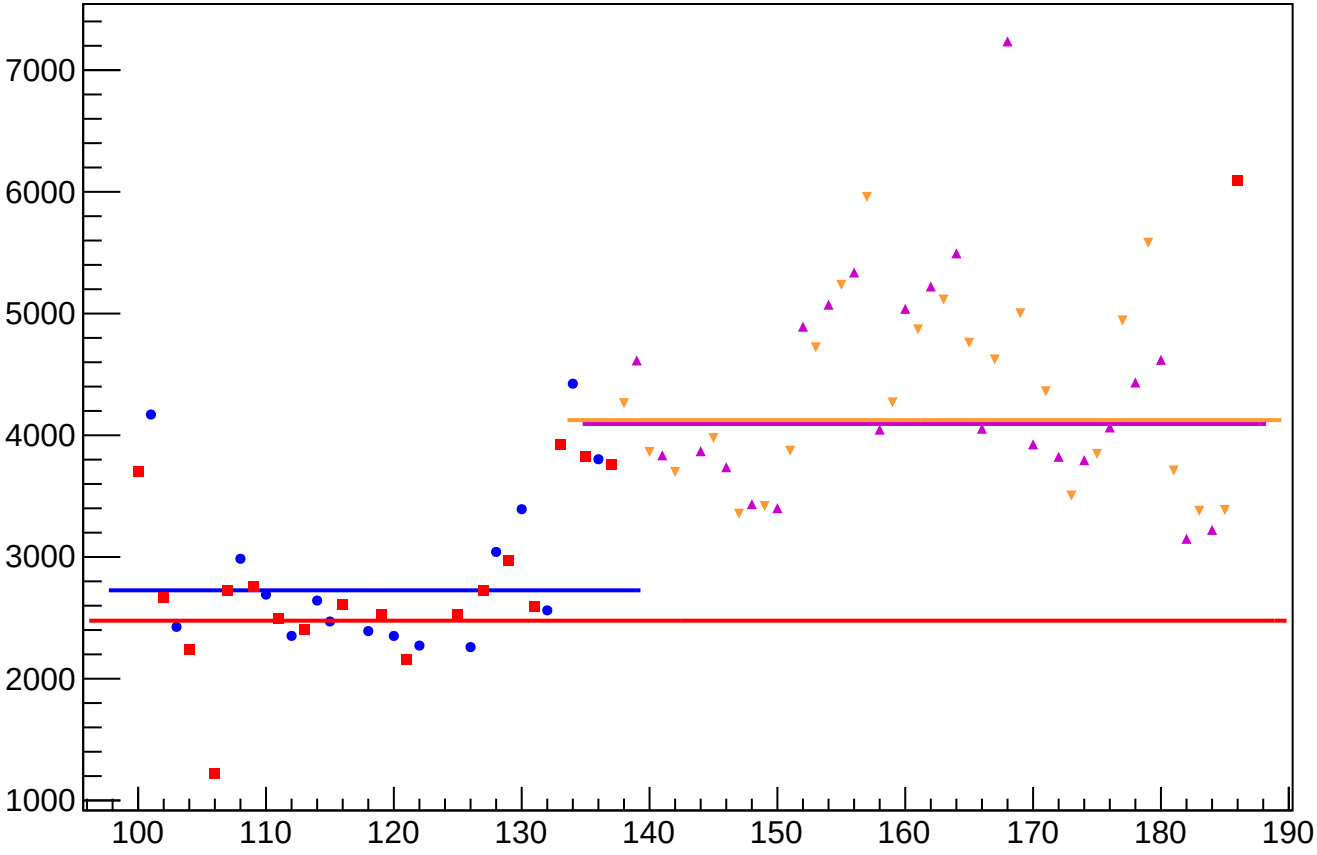
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

\+ sign -206.917+/-711.631 χ^2/NDF: 44.5/39

All: 139.905+/-496.106 χ^2/NDF: 83.8/81

\- sign 467.838+/-691.981 χ^2/NDF: 38.9/41

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

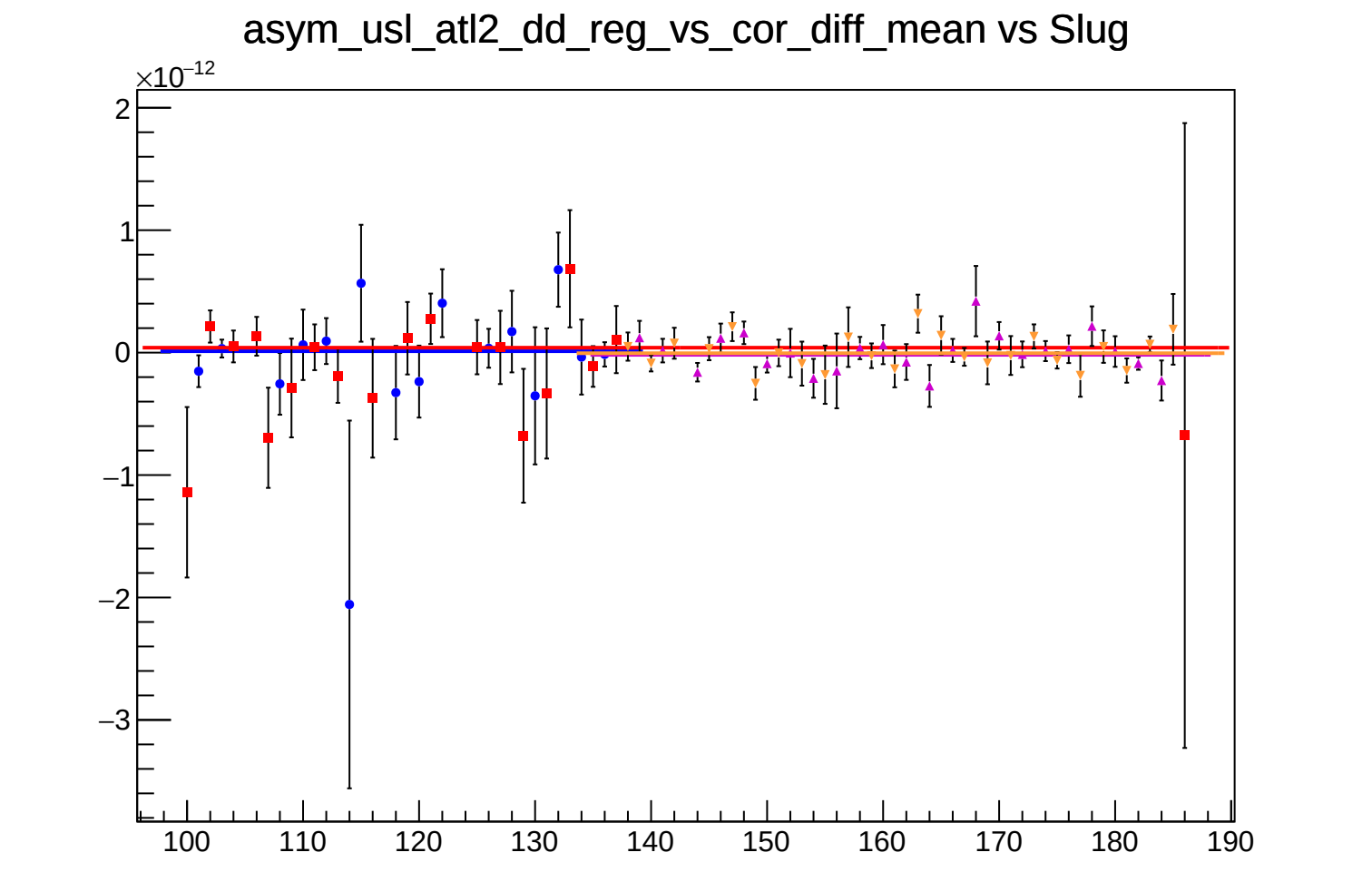
Right Out: 2476.894+/-0.664 χ^2/NDF: 1183077.5/18

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3470.198+/-0.503 χ^2/NDF: 3515400.4/39

All: 3357.029+/-0.347 χ^2/NDF: 8812220.9/81

- sign 3254.935+/-0.478 χ^2/NDF: 5200611.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

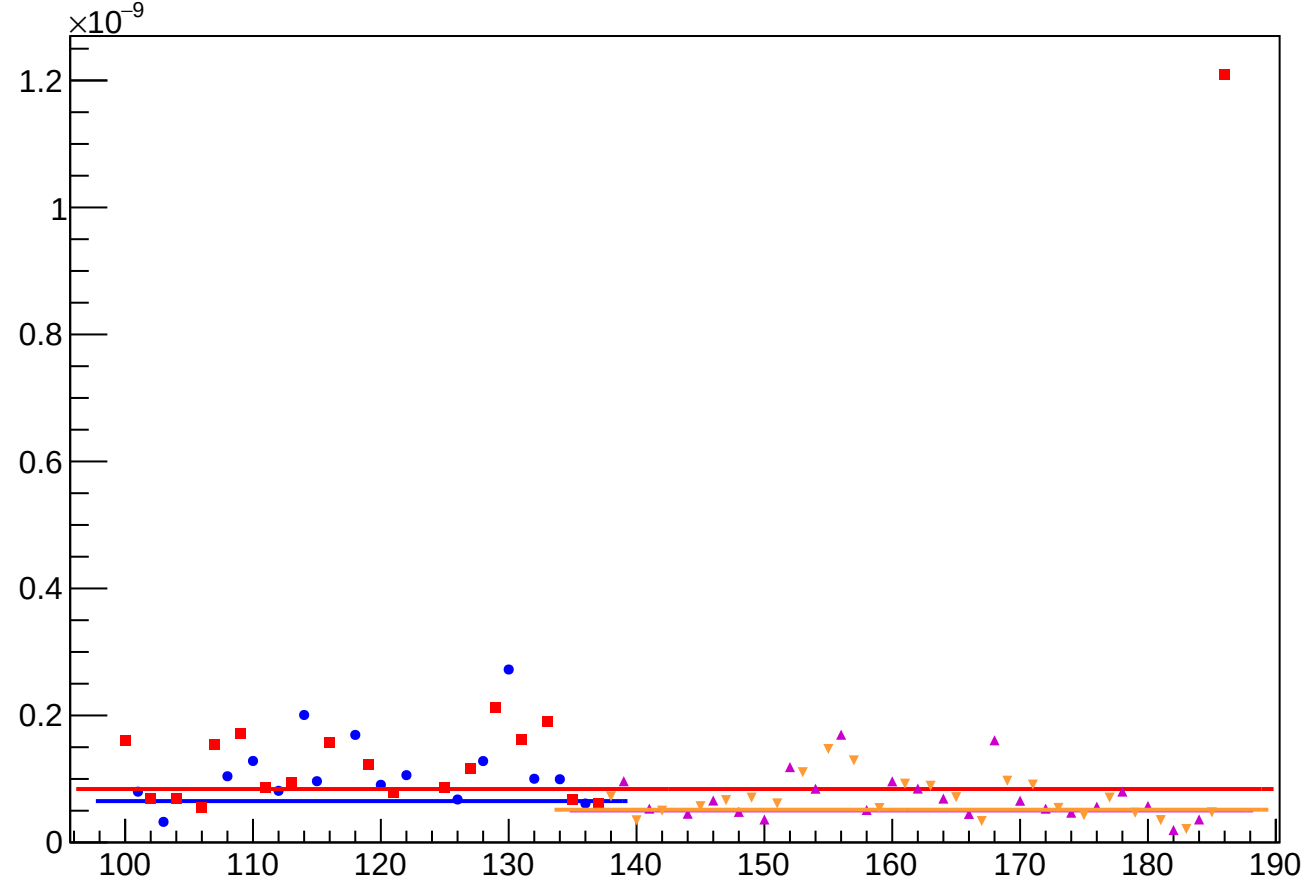
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.6/39

All: -0.000+/-0.000 χ^2/NDF: 83.5/81

- sign -0.000+/-0.000 χ^2/NDF: 43.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1080056.6/18

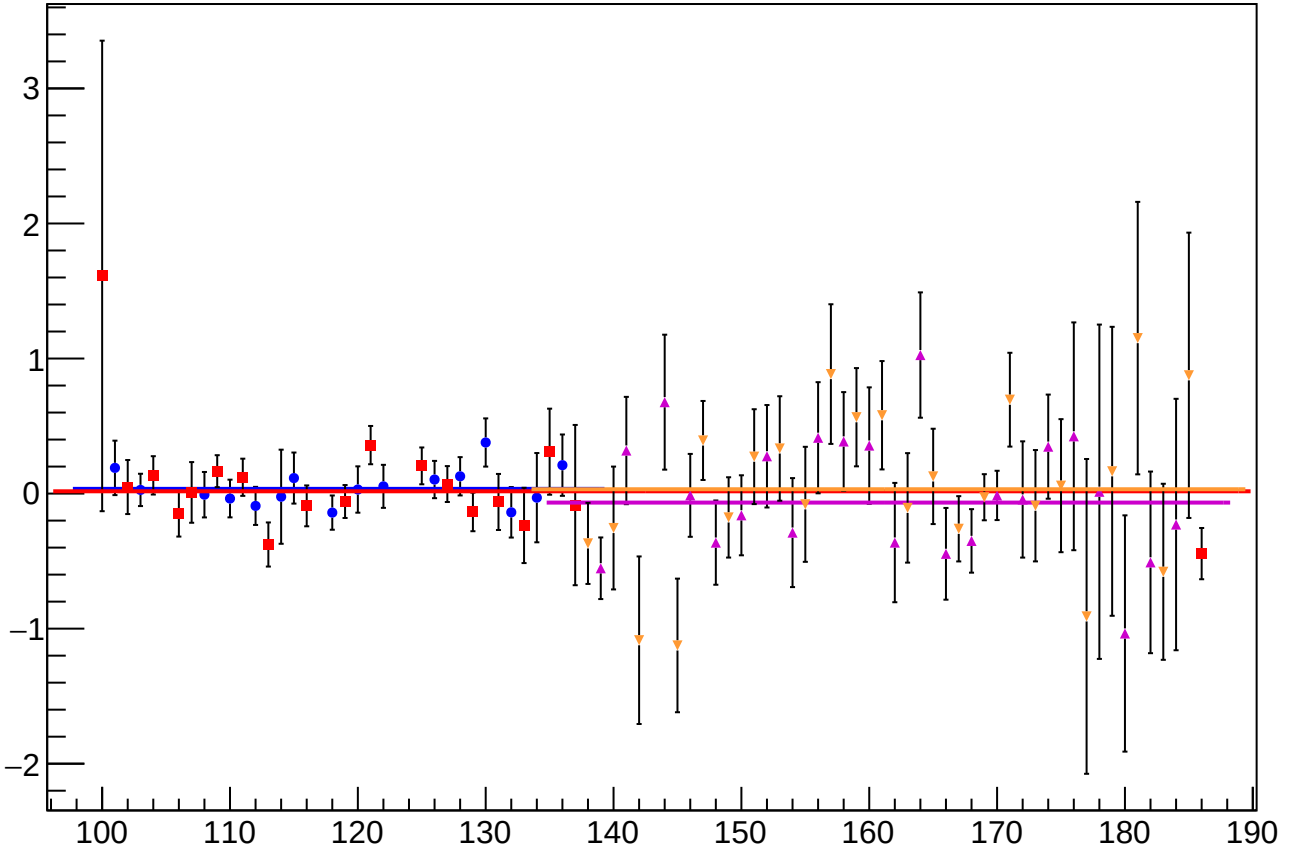
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 3642860.9/39

All: 0.000+/-0.000 χ^2/NDF: 7838720.6/81

- sign 0.000+/-0.000 χ^2/NDF: 4192907.8/41

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.017+/-0.038 χ^2/NDF: 28.2/18

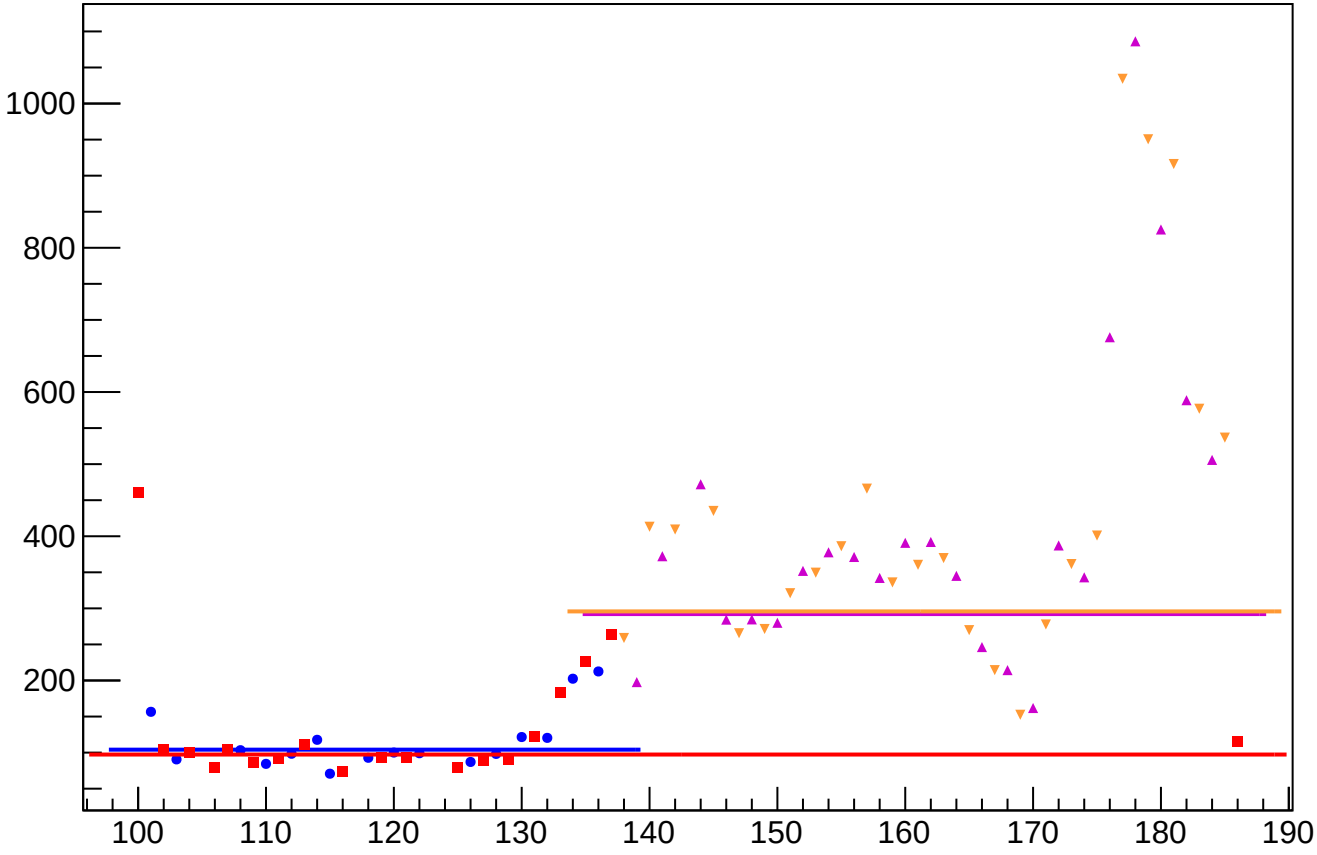
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.034+/-0.036 χ^2/NDF: 39.5/39

All: 0.016+/-0.025 χ^2/NDF: 94.9/81

- sign -0.000+/-0.034 χ^2/NDF: 54.9/41

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

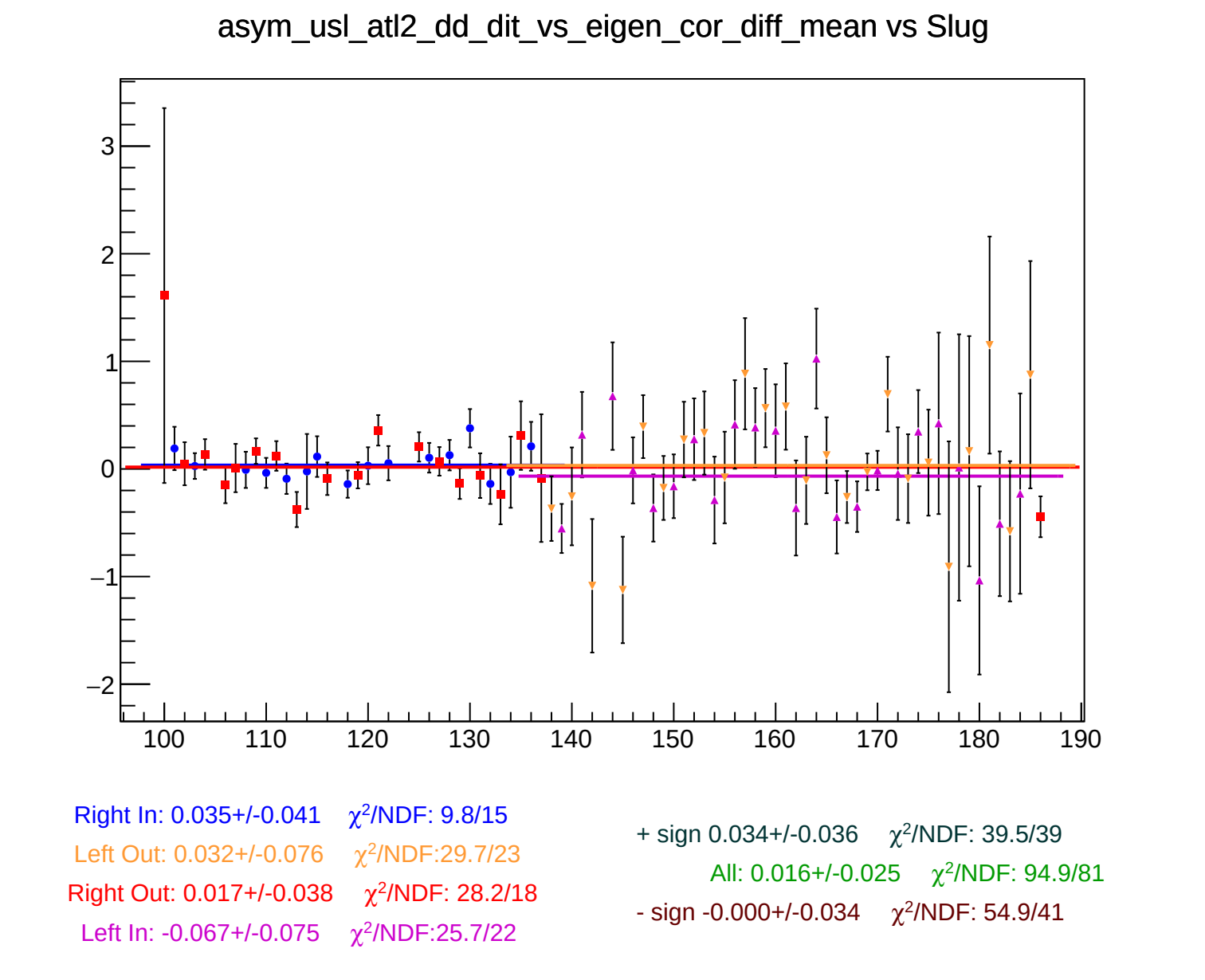
Right Out: 97.326+/-0.027 χ^2/NDF: 974314.7/18

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.359+/-0.026 χ^2/NDF: 16342714.2/39

All: 142.142+/-0.017 χ^2/NDF: 33236155.7/81

- sign 137.529+/-0.024 χ^2/NDF: 16814763.7/41


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
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0
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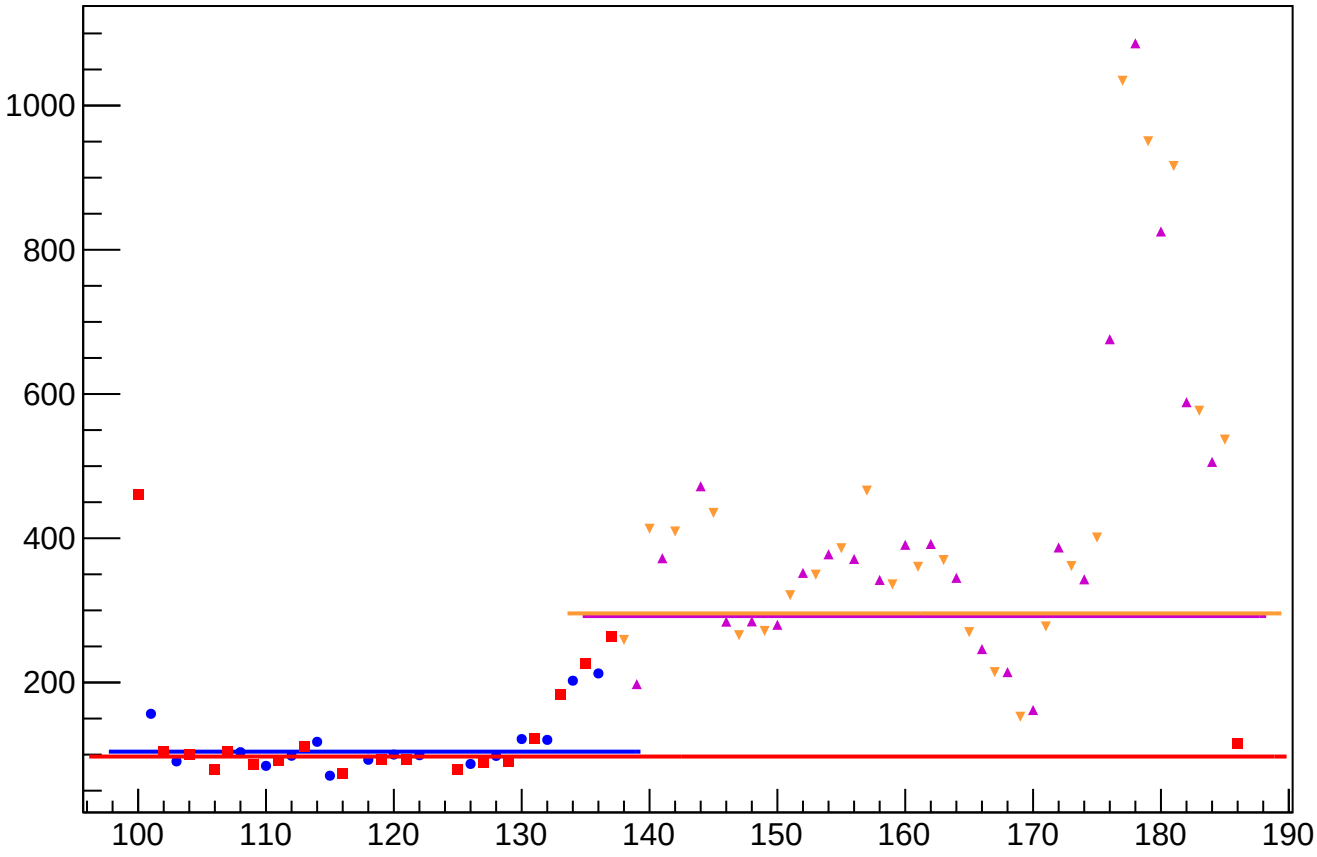
120
130
140
150
160
170
180
190
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.017+/-0.038 χ²/NDF: 28.2/18
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.034+/-0.036 χ²/NDF: 39.5/39
All: 0.016+/-0.025 χ²/NDF: 94.9/81
- sign -0.000+/-0.034 χ²/NDF: 54.9/41



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

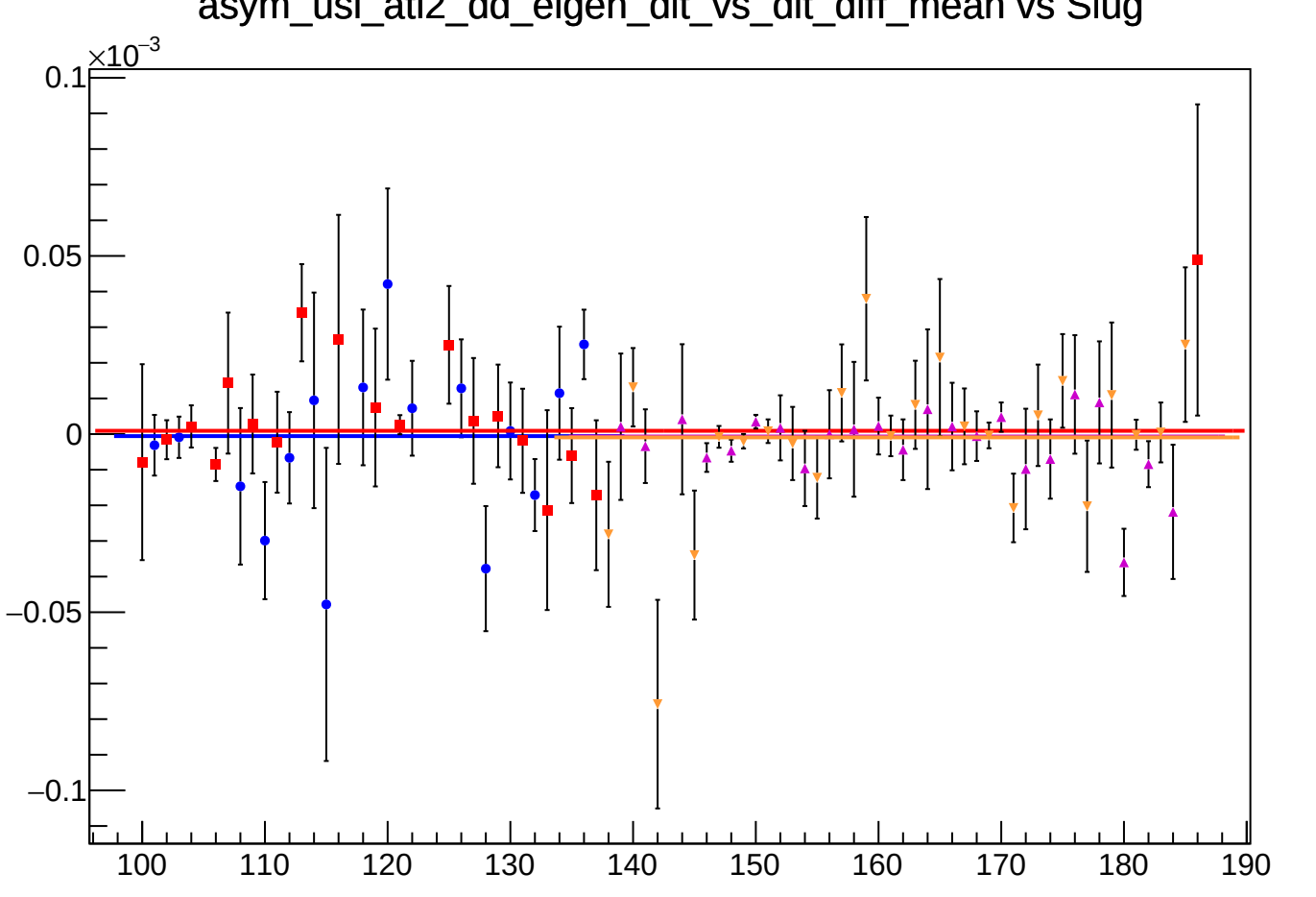
Right Out: 97.326+/-0.027 χ^2/NDF: 974314.7/18

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.359+/-0.026 χ^2/NDF: 16342714.2/39

All: 142.142+/-0.017 χ^2/NDF: 33236155.7/81

- sign 137.529+/-0.024 χ^2/NDF: 16814763.7/41


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.1
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0
−0.05
−0.1
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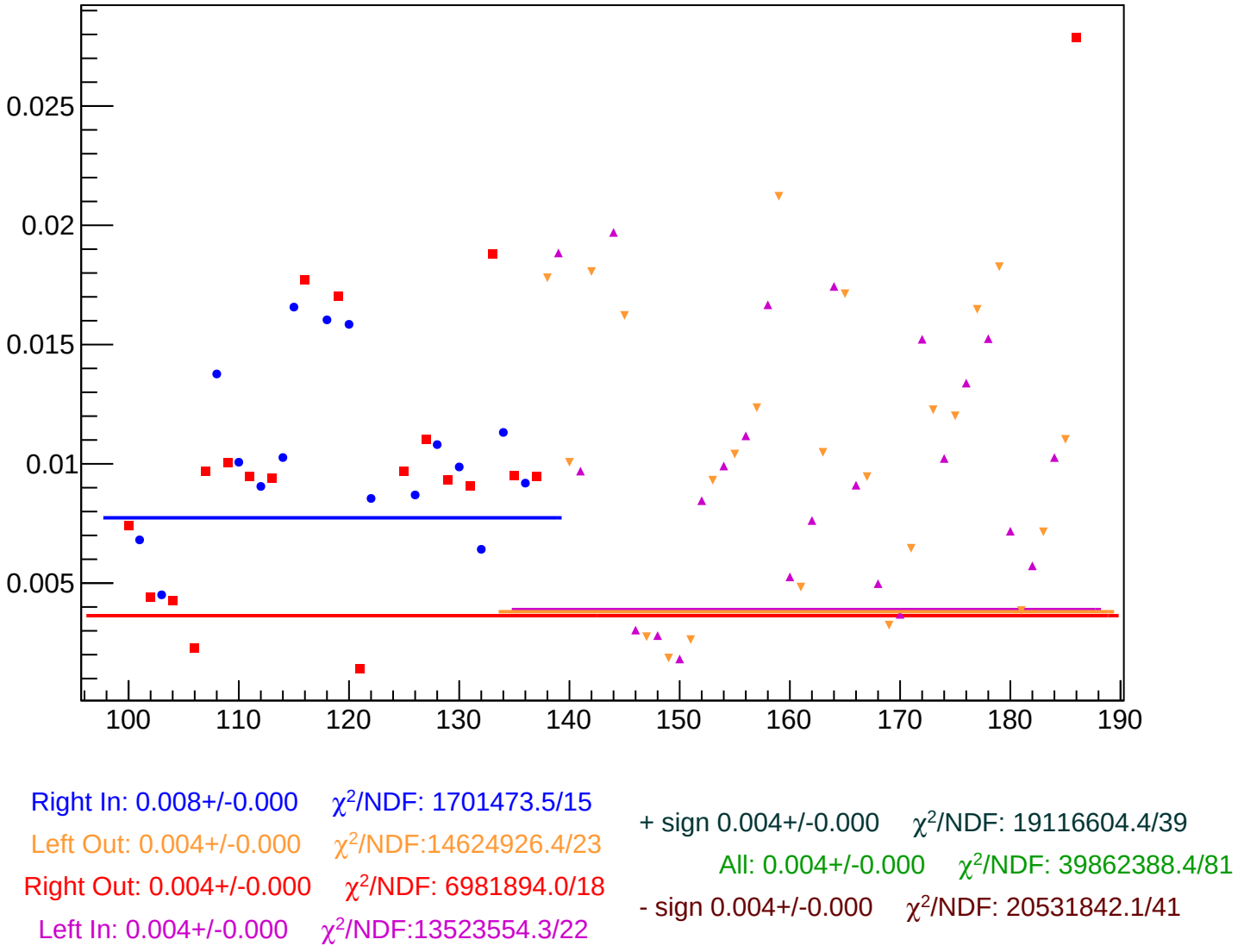
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:29.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 17.1/18
Left In: -0.000+/-0.000 χ²/NDF:29.8/22
+ sign -0.000+/-0.000 χ²/NDF: 53.1/39
All: -0.000+/-0.000 χ²/NDF: 100.7/81
- sign -0.000+/-0.000 χ²/NDF: 47.4/41


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
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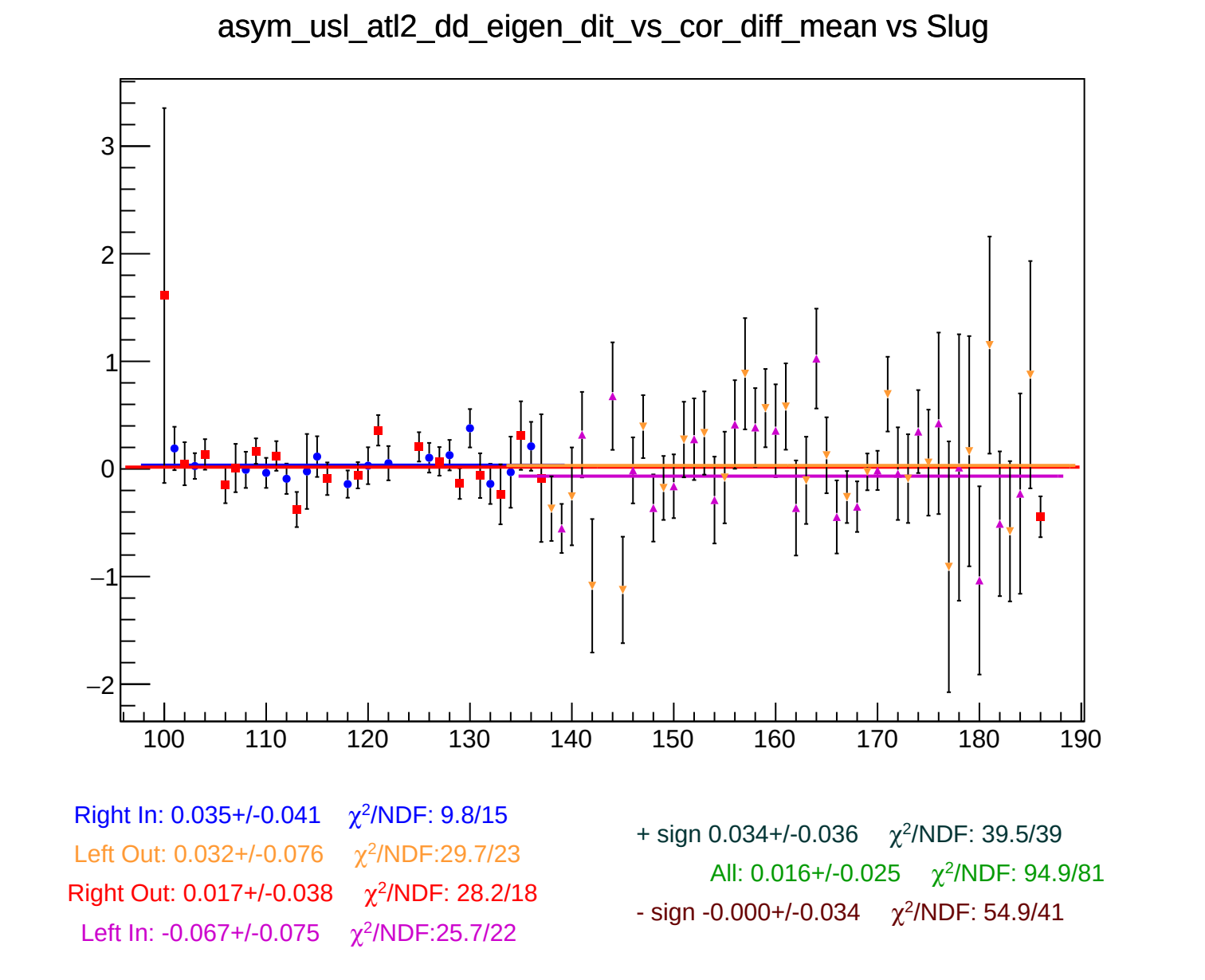
110
120
130
140
150
160
170
180
190
Right In: 0.008+/-0.000 χ²/NDF: 1701473.5/15
Left Out: 0.004+/-0.000 χ²/NDF:14624926.4/23
Right Out: 0.004+/-0.000 χ²/NDF: 6981894.0/18
Left In: 0.004+/-0.000 χ²/NDF:13523554.3/22
+ sign 0.004+/-0.000 χ²/NDF: 19116604.4/39
All: 0.004+/-0.000 χ²/NDF: 39862388.4/81
- sign 0.004+/-0.000 χ²/NDF: 20531842.1/41


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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170
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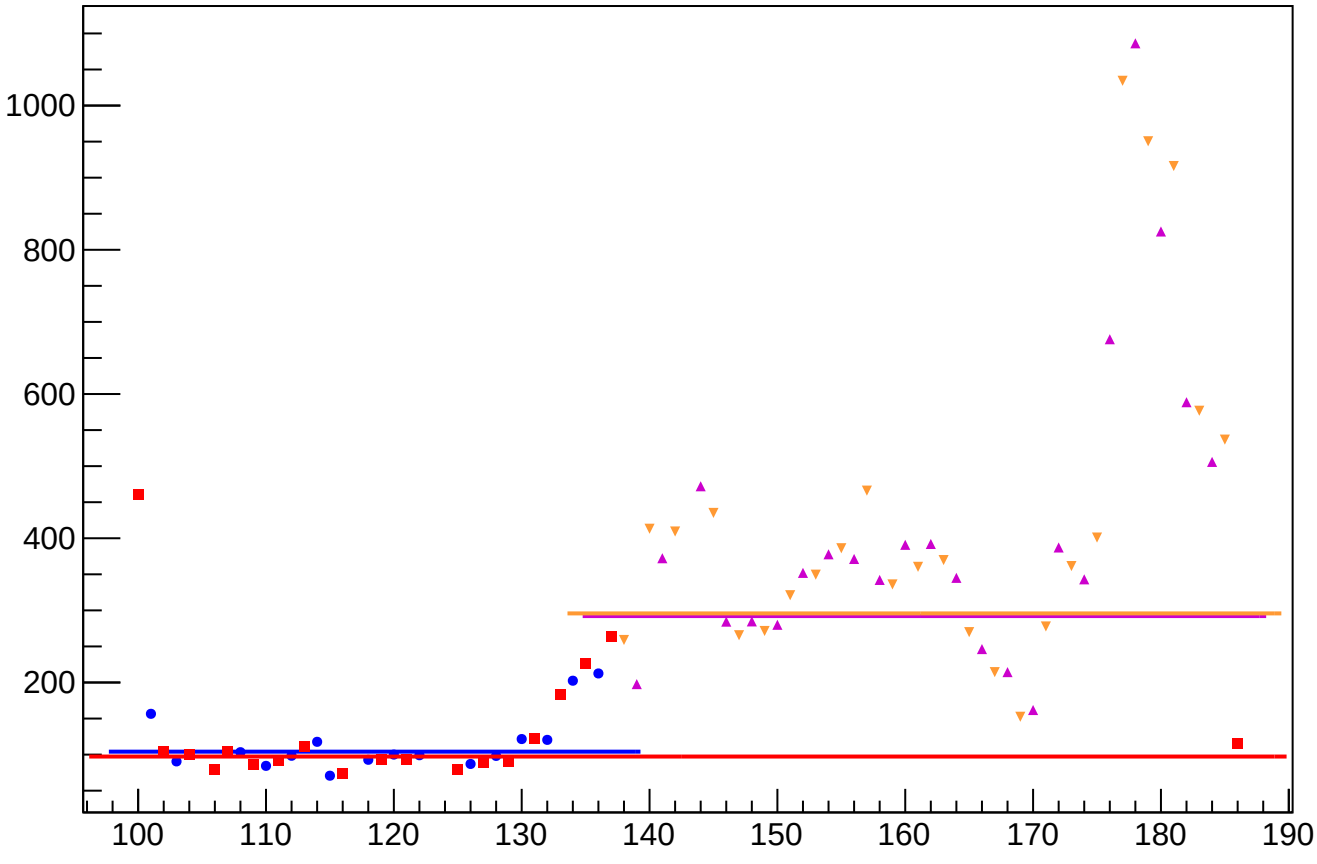
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.017+/-0.038 χ²/NDF: 28.2/18
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.034+/-0.036 χ²/NDF: 39.5/39
All: 0.016+/-0.025 χ²/NDF: 94.9/81
- sign -0.000+/-0.034 χ²/NDF: 54.9/41



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

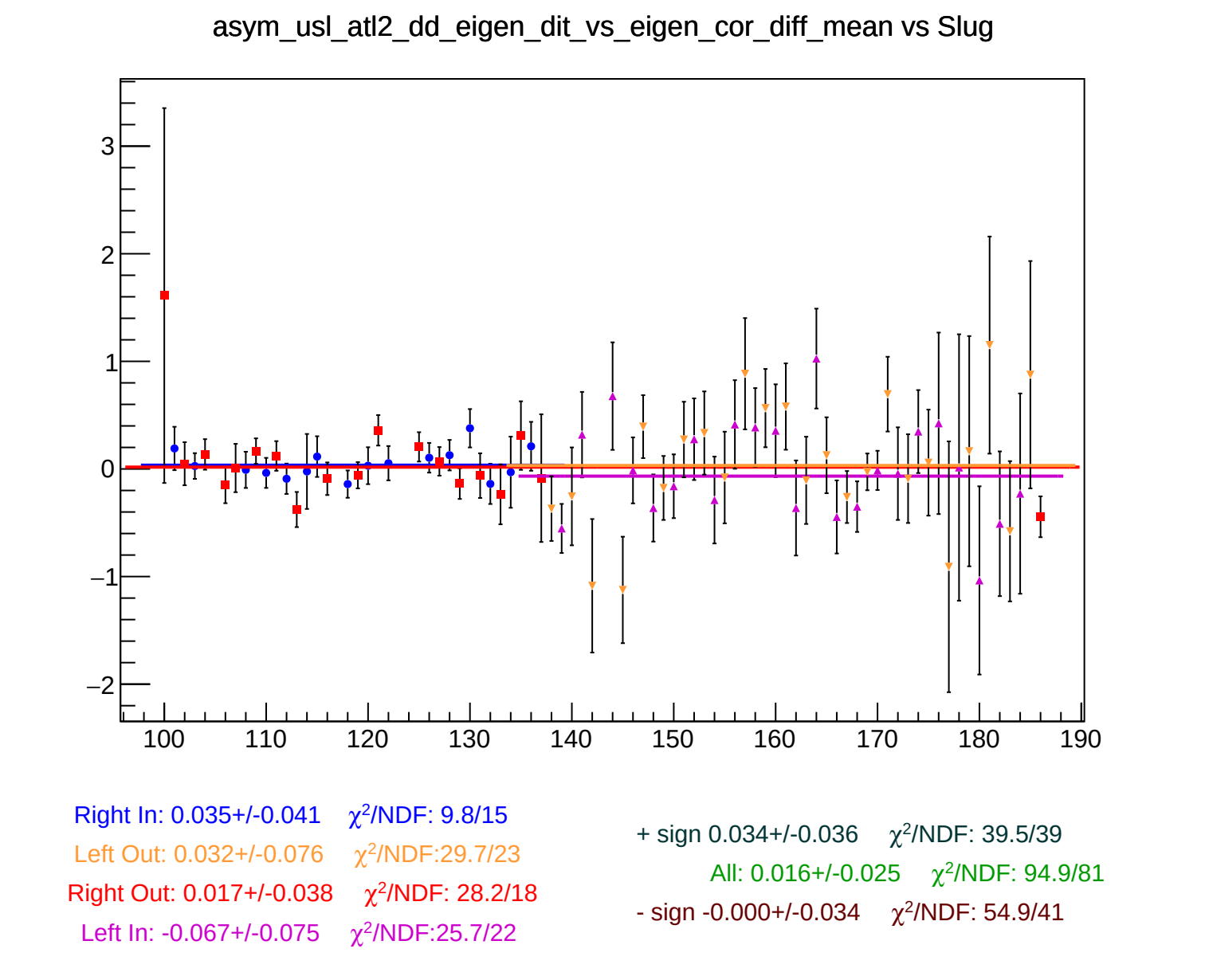
Right Out: 97.327+/-0.027 χ^2/NDF: 974211.2/18

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.360+/-0.026 χ^2/NDF: 16342691.8/39

All: 142.143+/-0.017 χ^2/NDF: 33236079.5/81

- 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
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100
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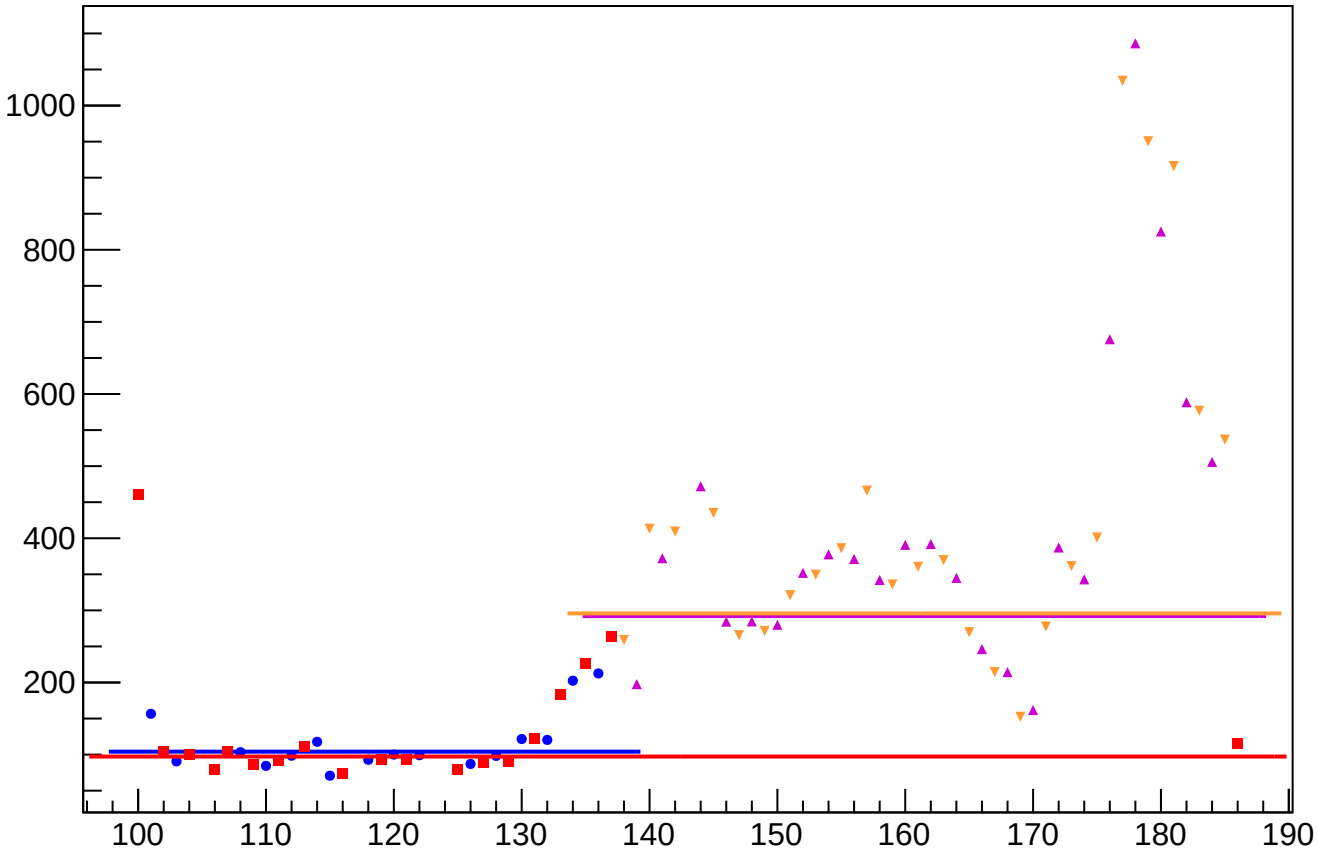
120
130
140
150
160
170
180
190
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.017+/-0.038 χ²/NDF: 28.2/18
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.034+/-0.036 χ²/NDF: 39.5/39
All: 0.016+/-0.025 χ²/NDF: 94.9/81
- sign -0.000+/-0.034 χ²/NDF: 54.9/41



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

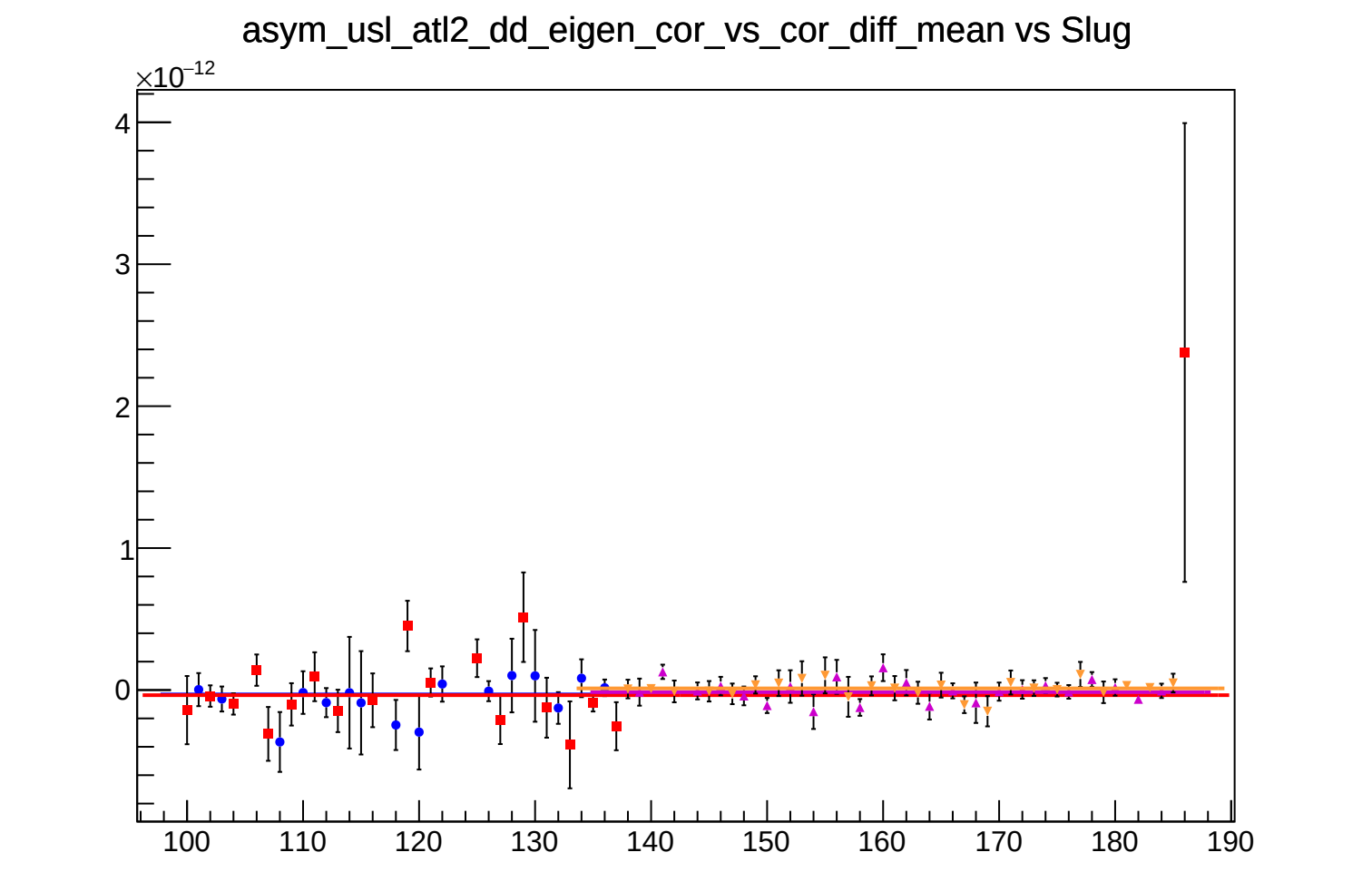
Right Out: 97.327+/-0.027 χ^2/NDF: 974211.2/18

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.360+/-0.026 χ^2/NDF: 16342691.8/39

All: 142.143+/-0.017 χ^2/NDF: 33236079.5/81

- sign 137.530+/-0.024 χ^2/NDF: 16814706.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

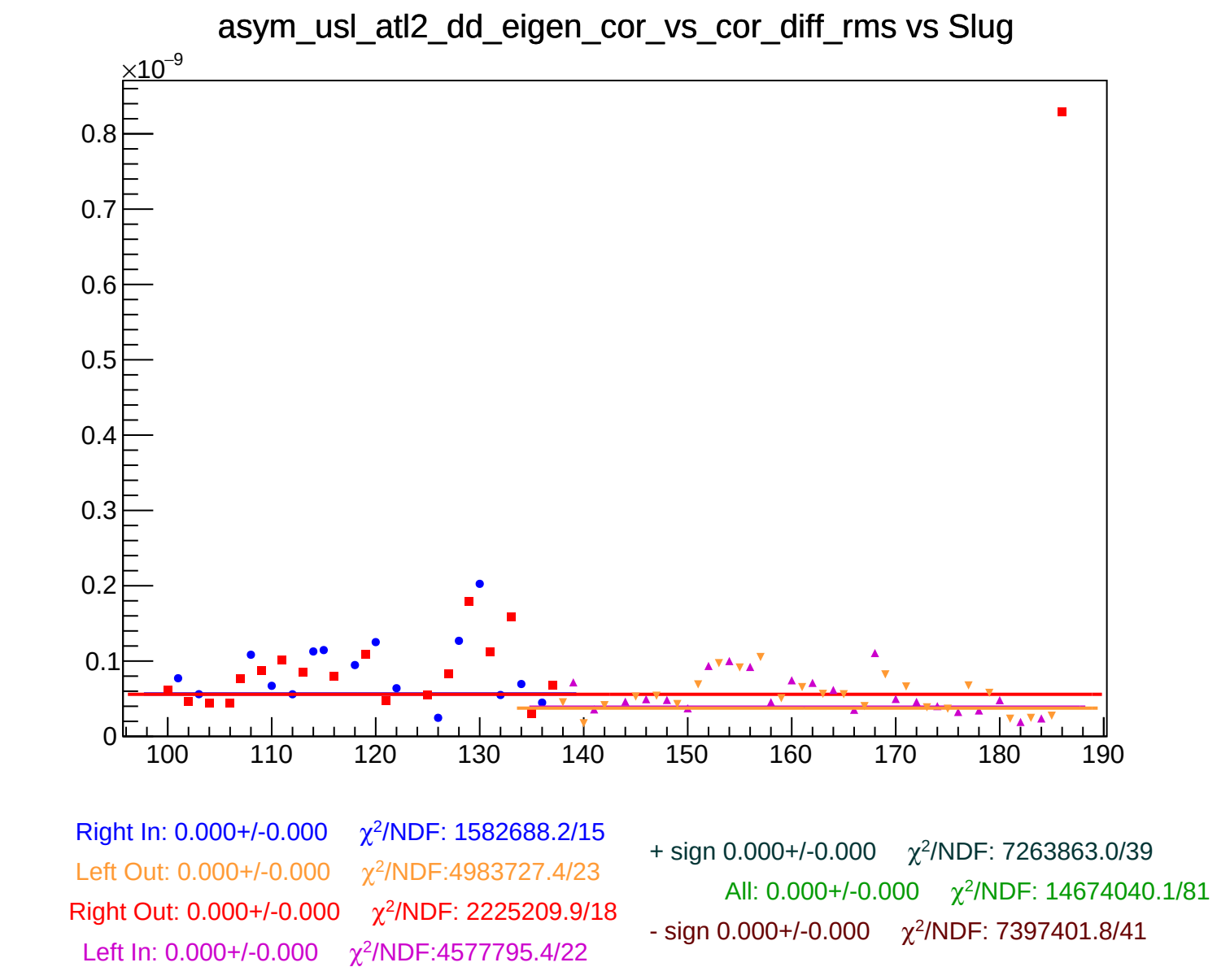
Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/18

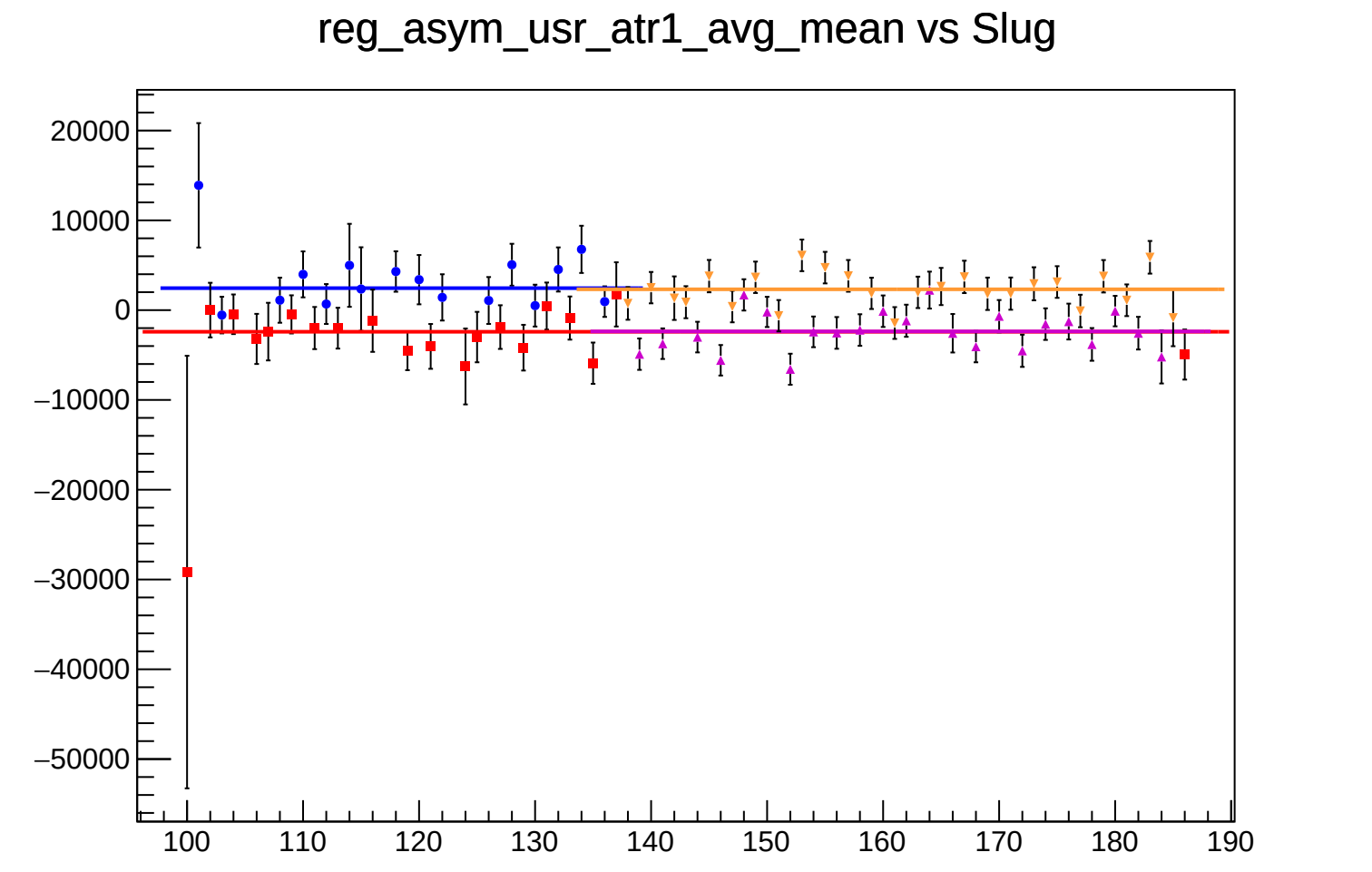
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 21.0/39

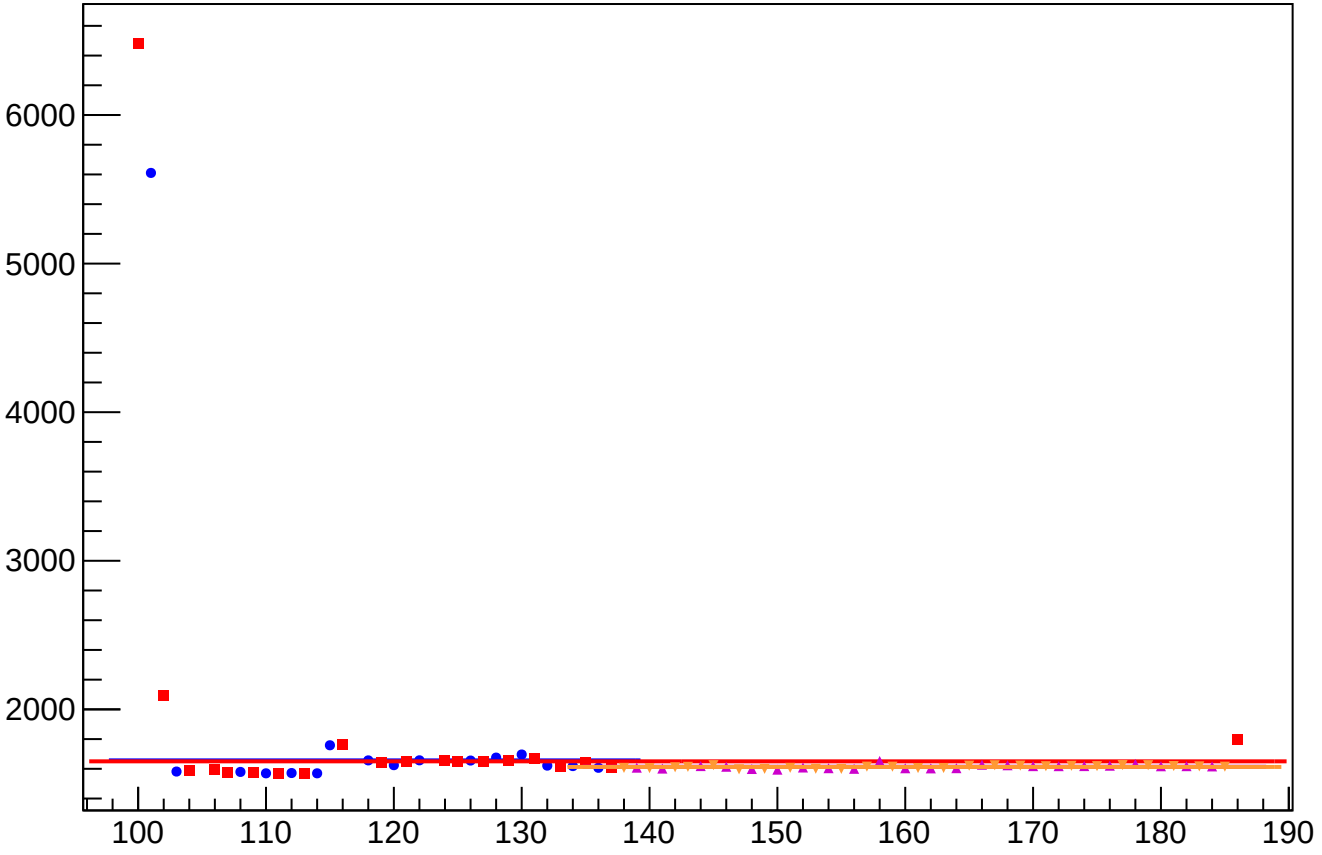
All: -0.000+/-0.000 χ^2/NDF: 83.9/81

- sign -0.000+/-0.000 χ^2/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: 1582688.2/15
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: 7263863.0/39
All: 0.000+/-0.000 χ²/NDF: 14674040.1/81
- sign 0.000+/-0.000 χ²/NDF: 7397401.8/41


reg_asym_usr_atr1_avg_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: 2449.957+/-630.235 χ²/NDF: 13.8/15
Left Out: 2321.067+/-366.301 χ²/NDF:27.5/24
Right Out: -2407.660+/-595.126 χ²/NDF: 12.7/19
Left In: -2370.629+/-376.798 χ²/NDF:33.7/22
+ sign 2353.613+/-316.695 χ²/NDF: 41.4/40
All: -1.437+/-224.521 χ²/NDF: 199.0/83
- sign -2381.226+/-318.354 χ²/NDF: 46.4/42

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1650.290+/-0.421 χ^2/NDF: 142568.1/19

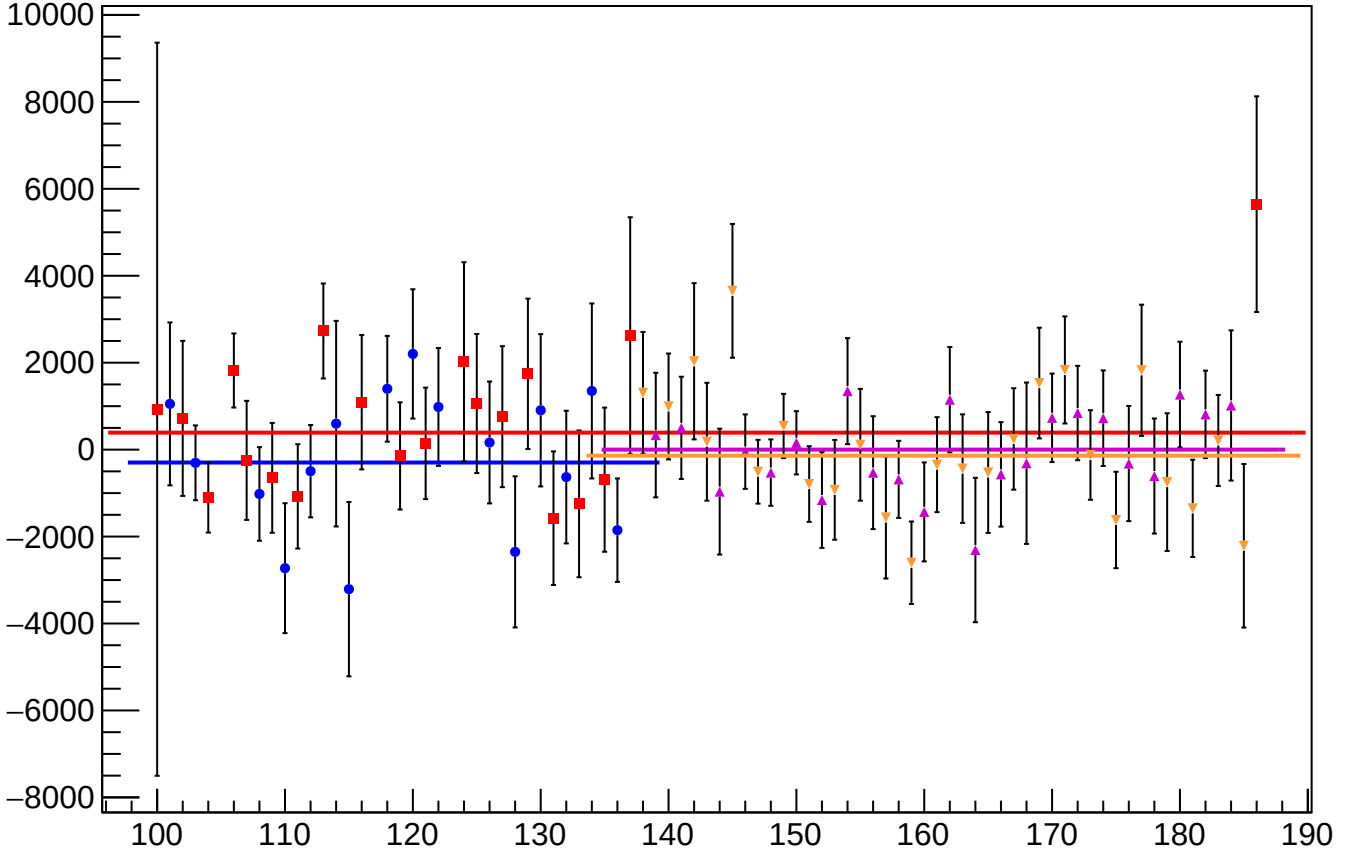
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.737+/-0.224 χ^2/NDF: 674710.7/40

All: 1623.986+/-0.159 χ^2/NDF: 825005.3/83

- sign 1624.237+/-0.225 χ^2/NDF: 150292.1/42

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 391.297+/-310.516 χ^2/NDF: 23.3/19

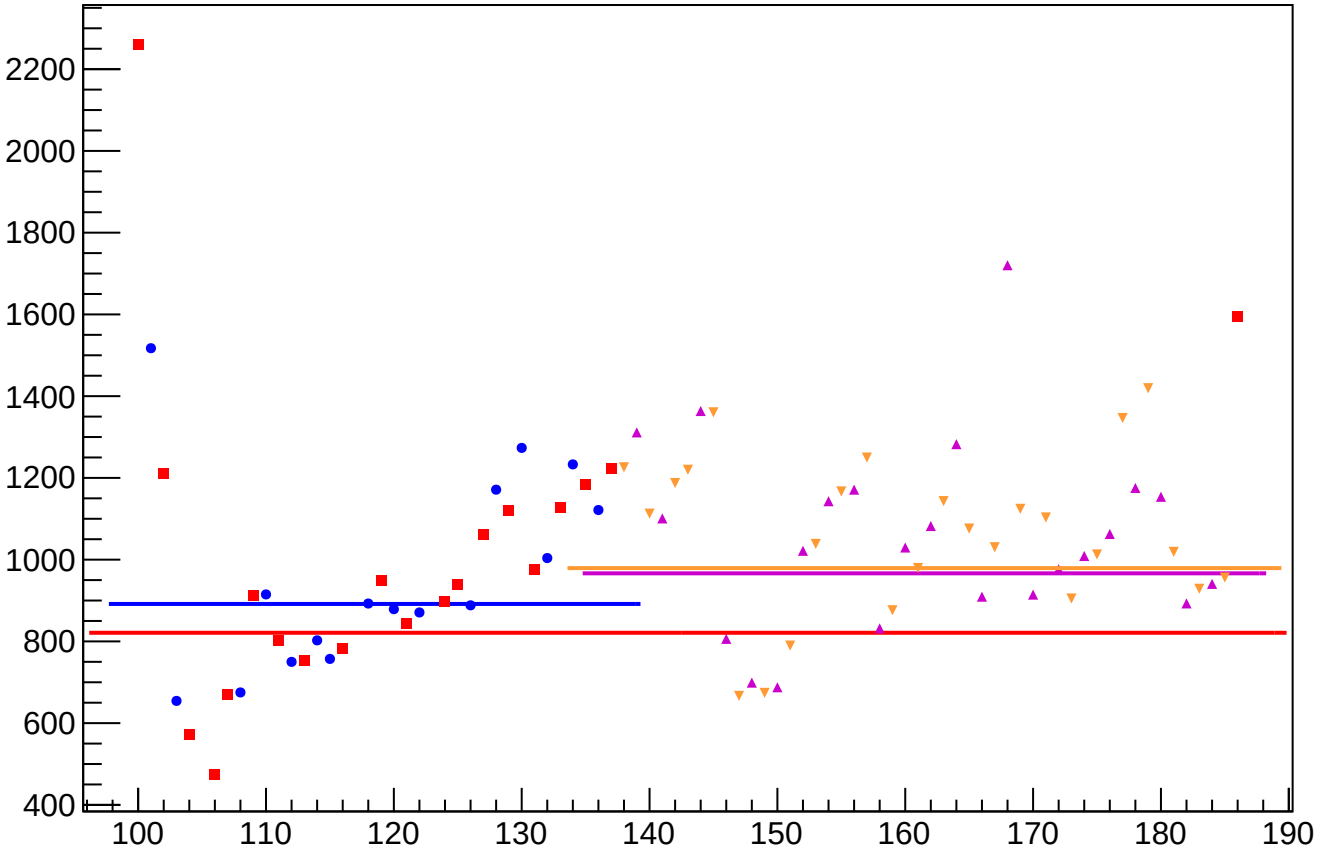
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -187.511+/-190.601 χ^2/NDF: 46.3/40

All: -19.498+/-133.047 χ^2/NDF: 84.9/83

- sign 140.164+/-185.805 χ^2/NDF: 37.1/42

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 821.106+/-0.220 χ^2/NDF: 1280959.5/19

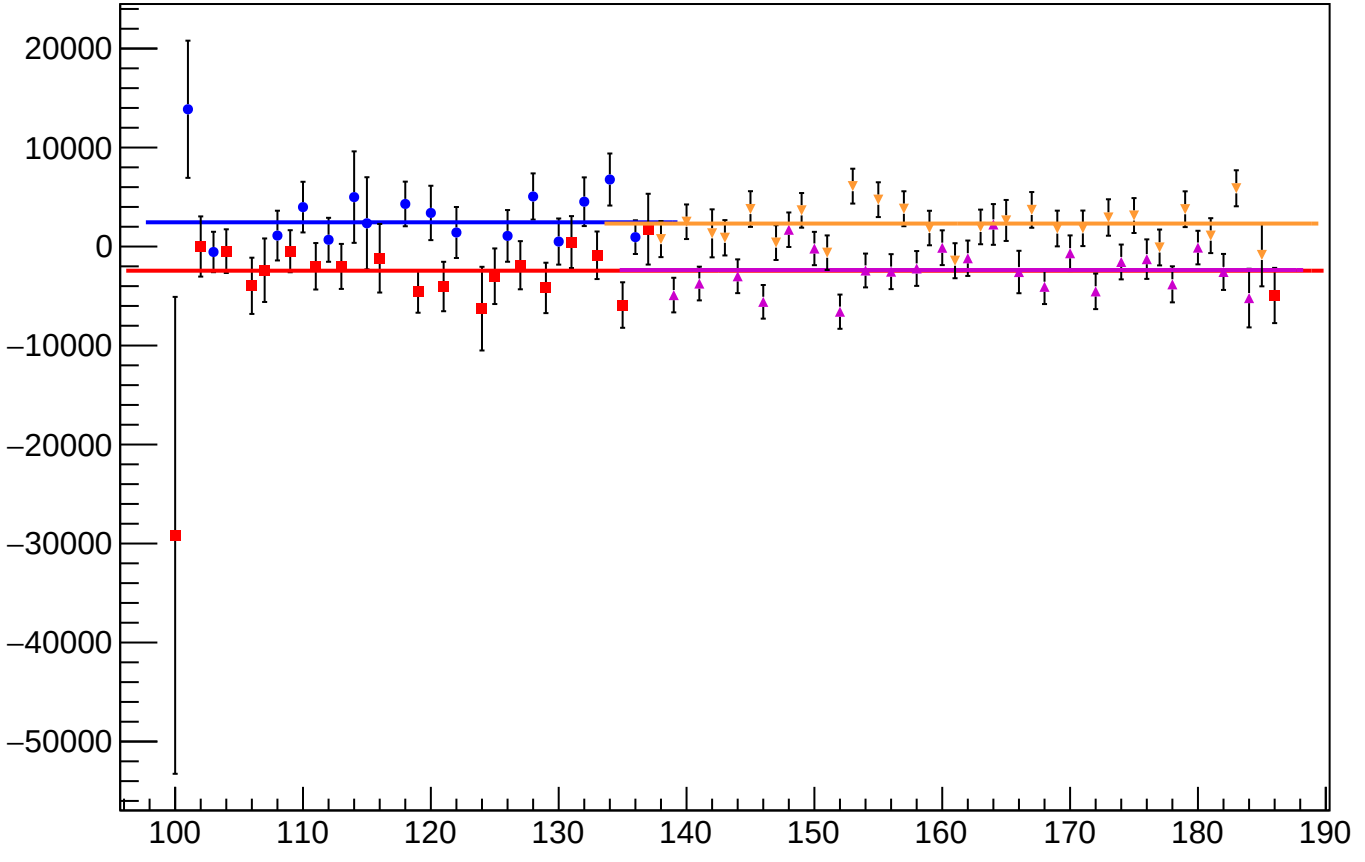
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 952.294+/-0.135 χ^2/NDF: 2514689.3/40

All: 932.894+/-0.094 χ^2/NDF: 5720241.6/83

- sign 914.458+/-0.131 χ^2/NDF: 3165142.4/42

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2440.294+/-595.593 χ^2/NDF: 12.9/19

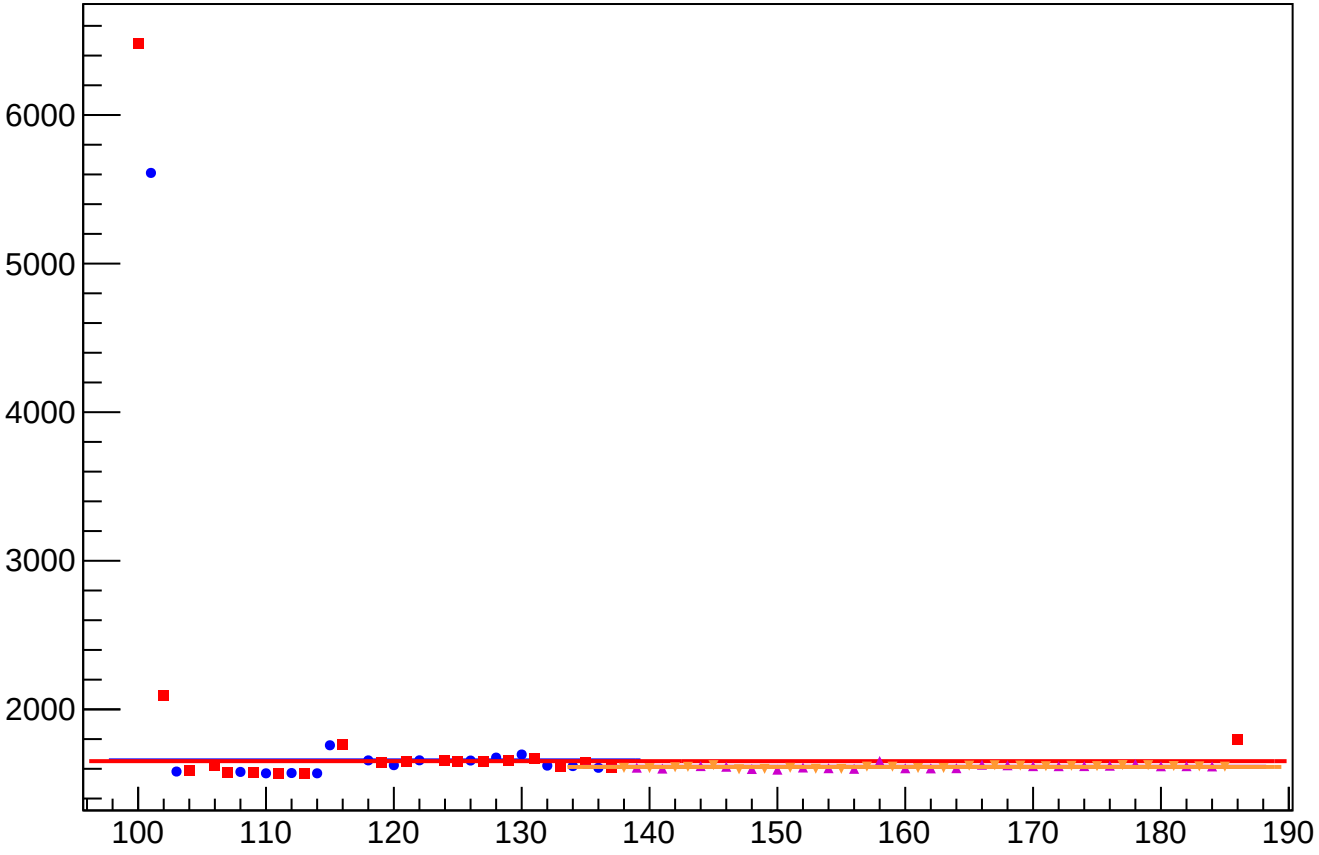
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2353.440+/-316.695 χ^2/NDF: 41.4/40

All: -5.652+/-224.546 χ^2/NDF: 199.6/83

- sign -2390.592+/-318.425 χ^2/NDF: 46.7/42

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1651.544+/-0.421 χ^2/NDF: 141957.1/19

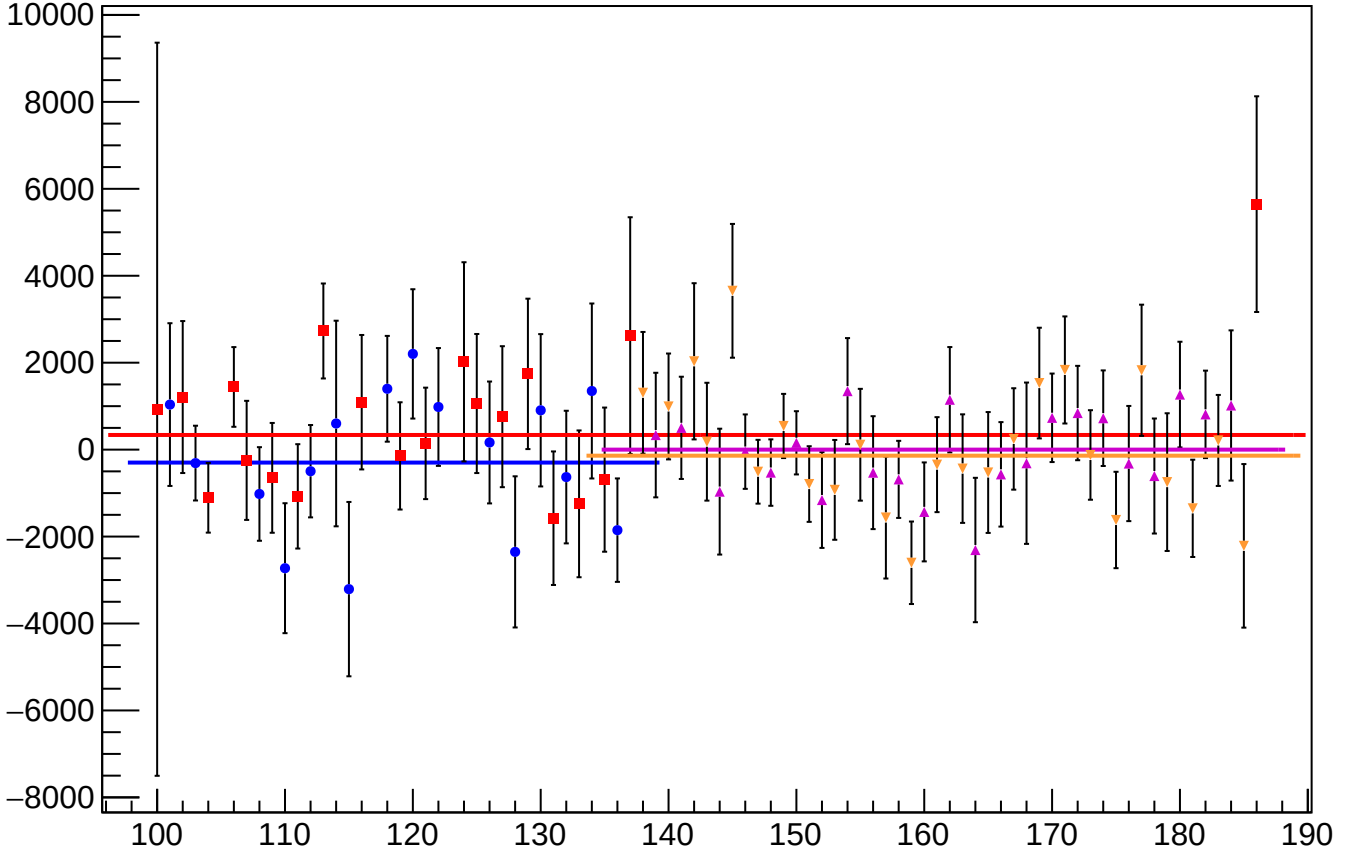
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

\+ sign 1623.737+/-0.224 χ^2/NDF: 674710.2/40

All: 1624.158+/-0.159 χ^2/NDF: 824767.2/83

\- sign 1624.584+/-0.225 χ^2/NDF: 150049.9/42

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 337.224+/-313.223 χ^2/NDF: 21.9/19

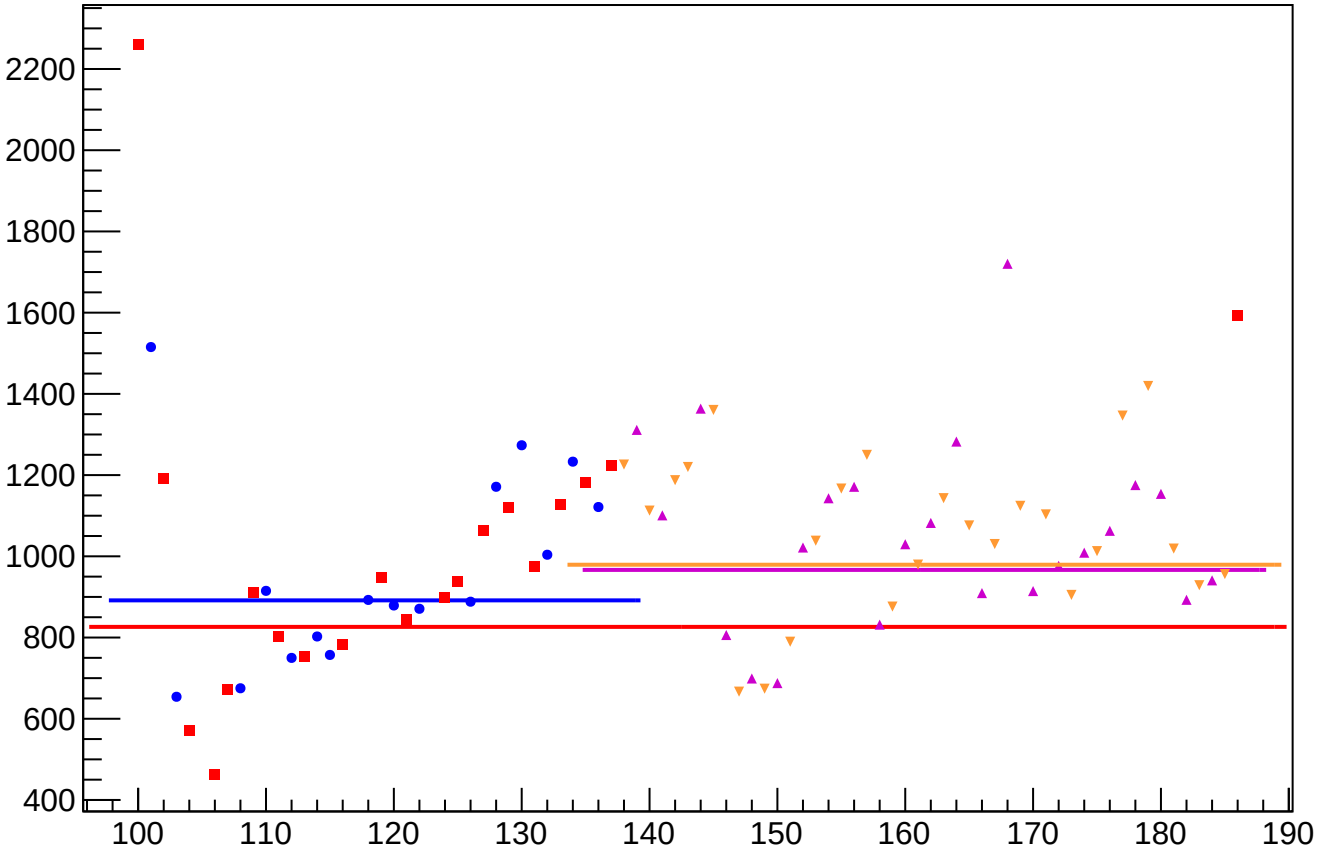
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -187.969+/-190.593 χ^2/NDF: 46.3/40

All: -30.827+/-133.255 χ^2/NDF: 83.1/83

- sign 119.446+/-186.380 χ^2/NDF: 35.5/42

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

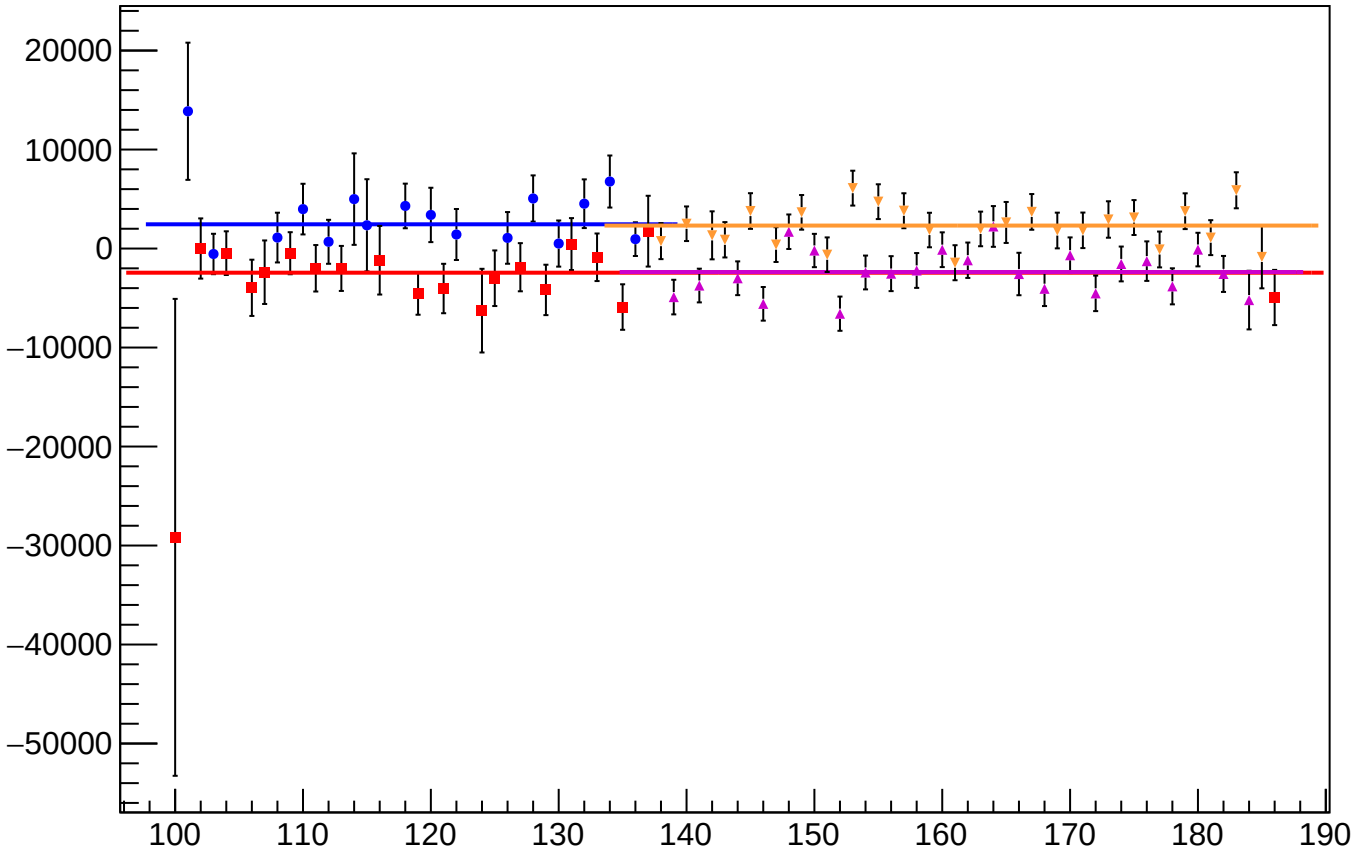
Right Out: 826.239+/-0.221 χ^2/NDF: 1247549.3/19

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 952.254+/-0.135 χ^2/NDF: 2514767.6/40

All: 934.161+/-0.094 χ^2/NDF: 5659303.3/83

- sign 916.858+/-0.132 χ^2/NDF: 3109273.8/42



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2440.294+/-595.593 χ^2/NDF: 12.9/19

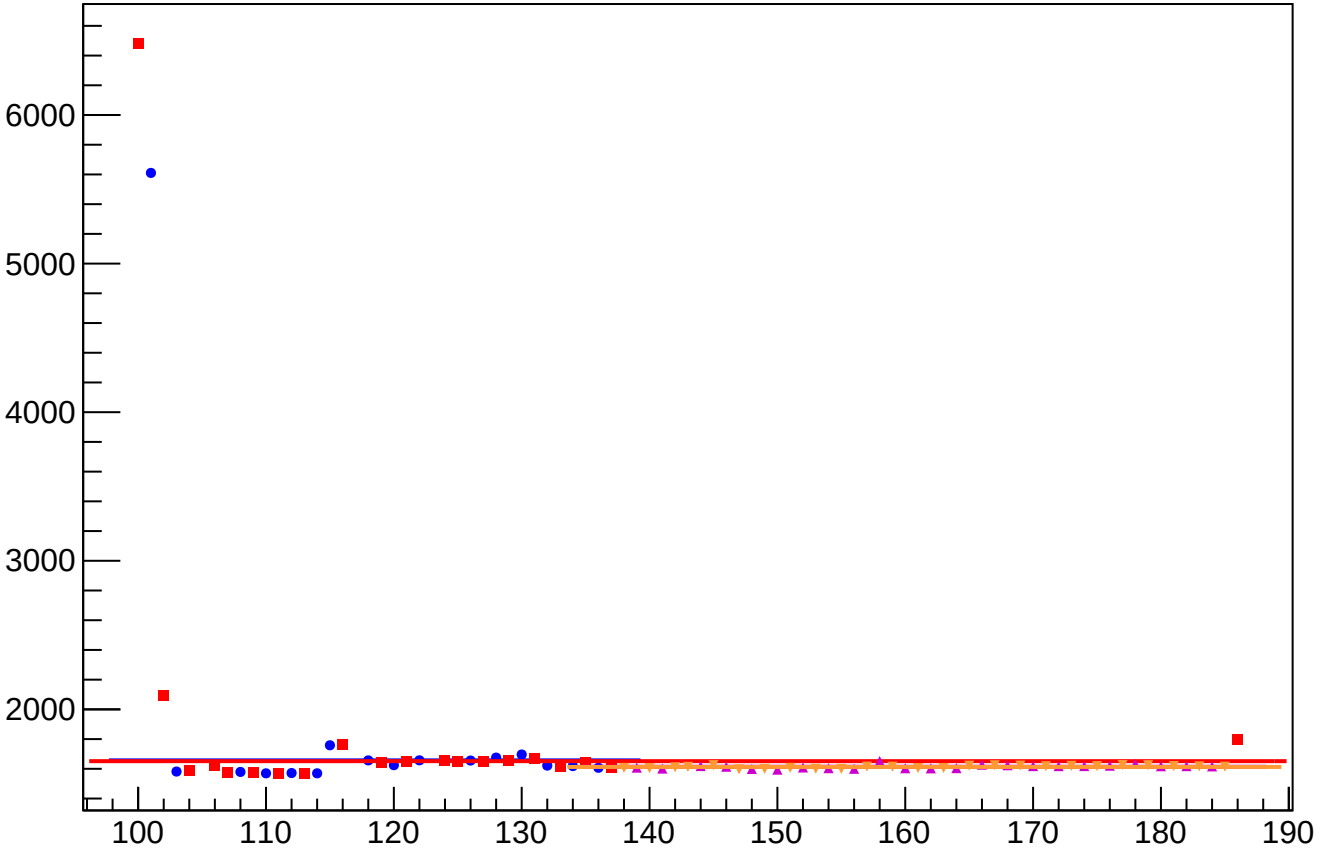
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2353.440+/-316.695 χ^2/NDF: 41.4/40

All: -5.652+/-224.546 χ^2/NDF: 199.6/83

- sign -2390.592+/-318.425 χ^2/NDF: 46.7/42

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

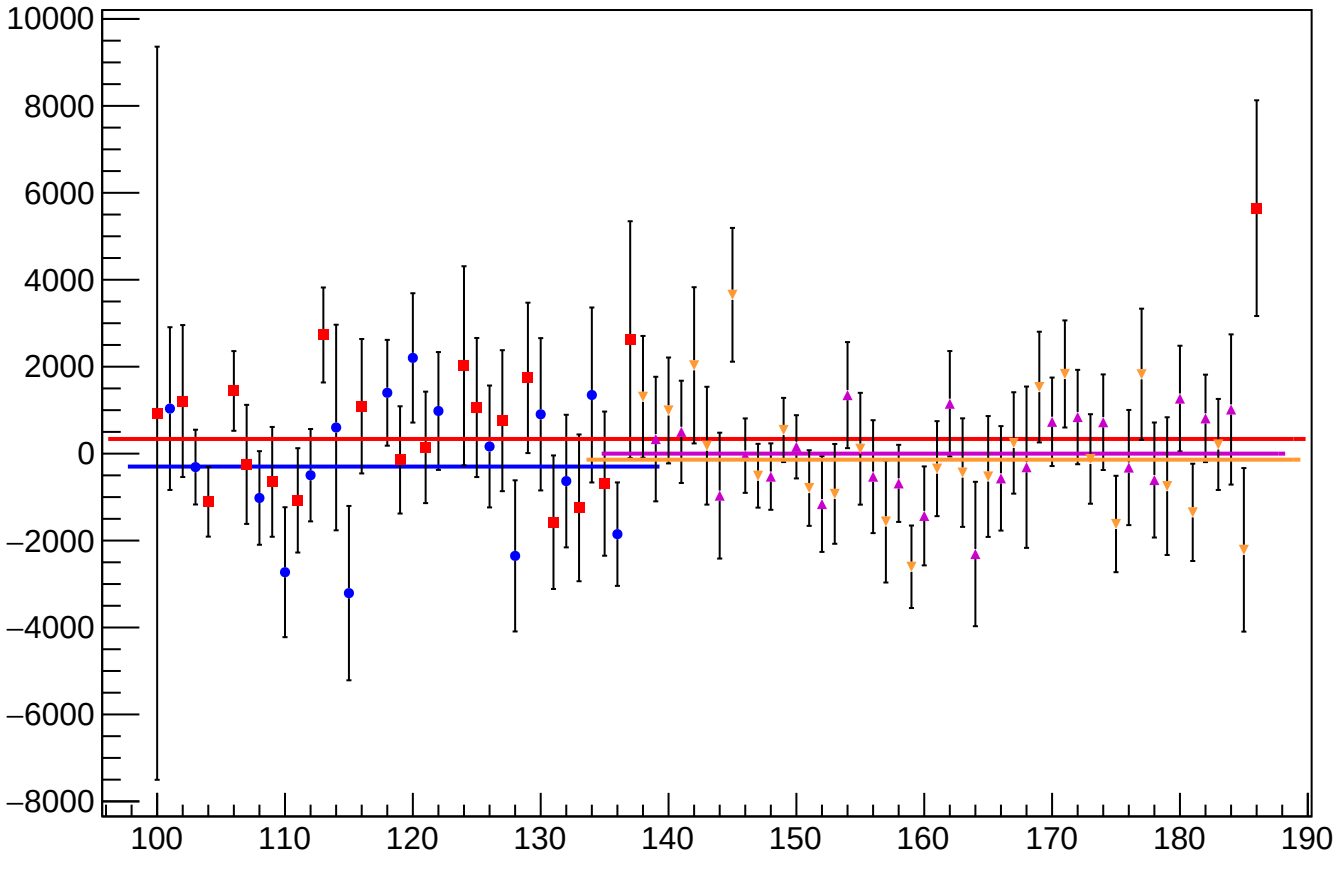
Right Out: 1651.544+/-0.421 χ^2/NDF: 141957.1/19

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

\+ sign 1623.737+/-0.224 χ^2/NDF: 674710.2/40

All: 1624.158+/-0.159 χ^2/NDF: 824767.2/83

\- sign 1624.584+/-0.225 χ^2/NDF: 150049.9/42



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

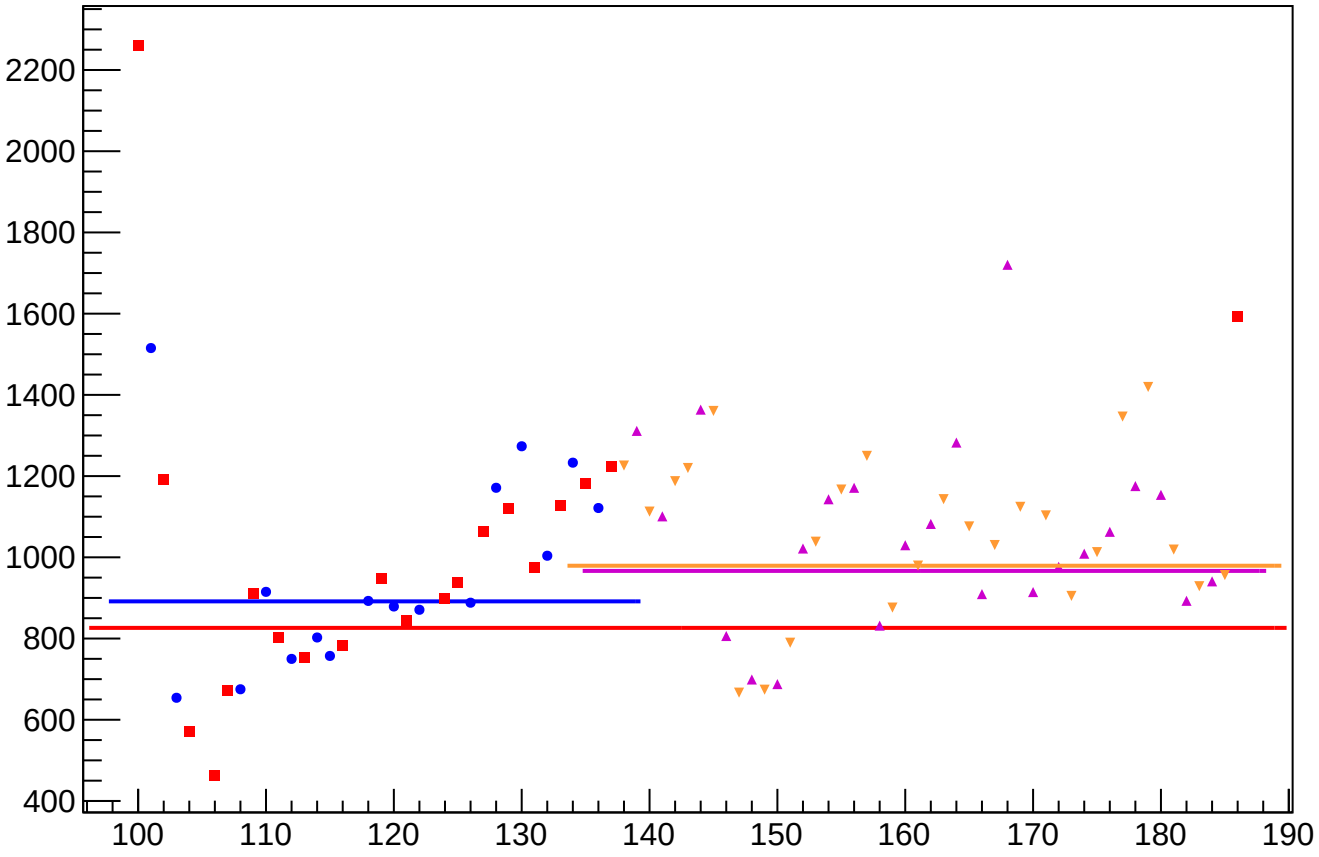
Right Out: 337.224+/-313.223 χ^2/NDF: 21.9/19

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -187.969+/-190.593 χ^2/NDF: 46.3/40

All: -30.827+/-133.255 χ^2/NDF: 83.1/83

- sign 119.446+/-186.380 χ^2/NDF: 35.5/42



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

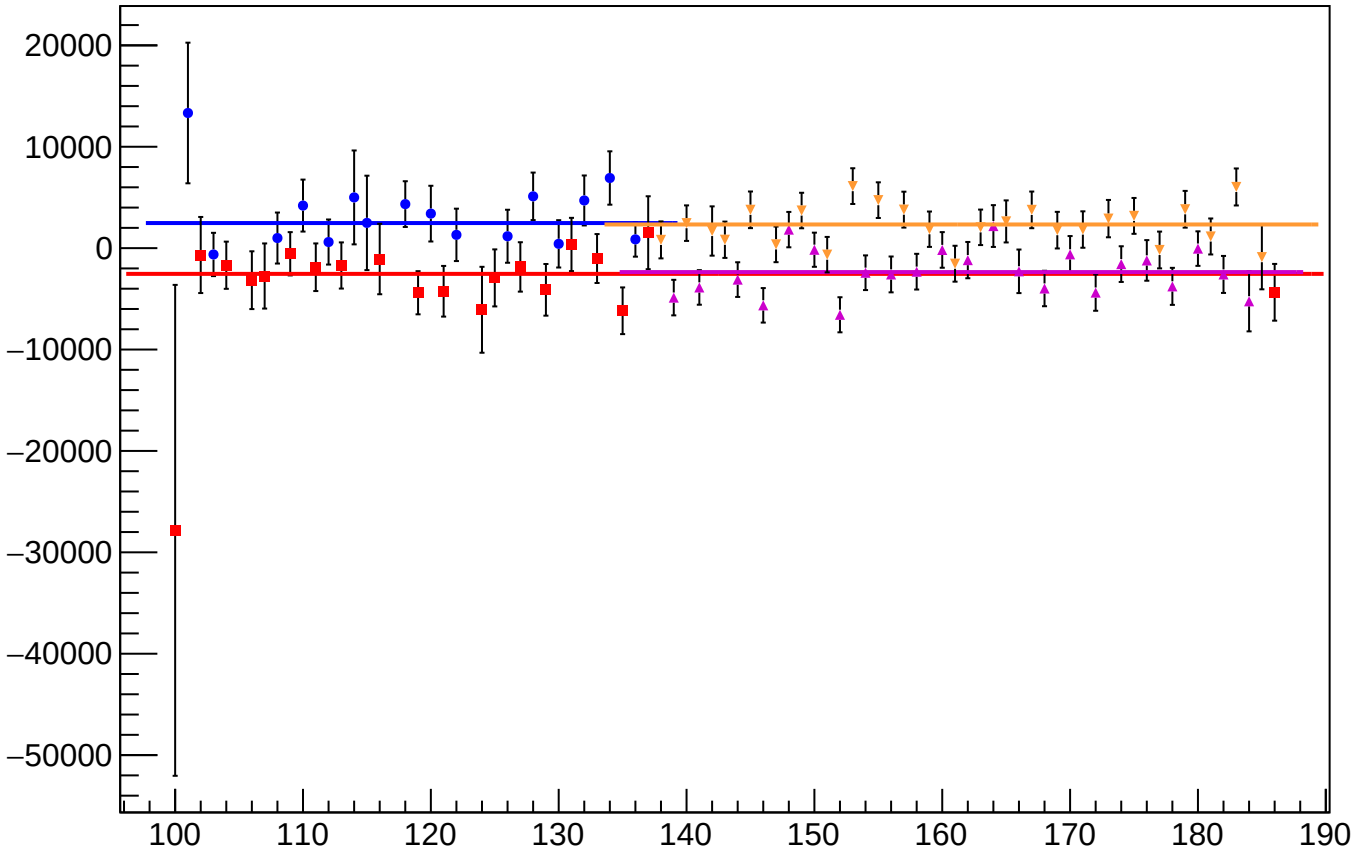
Right Out: 826.239+/-0.221 χ^2/NDF: 1247549.3/19

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 952.254+/-0.135 χ^2/NDF: 2514767.6/40

All: 934.161+/-0.094 χ^2/NDF: 5659303.3/83

- sign 916.858+/-0.132 χ^2/NDF: 3109273.8/42



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2537.517+/-603.026 χ^2/NDF: 11.0/19

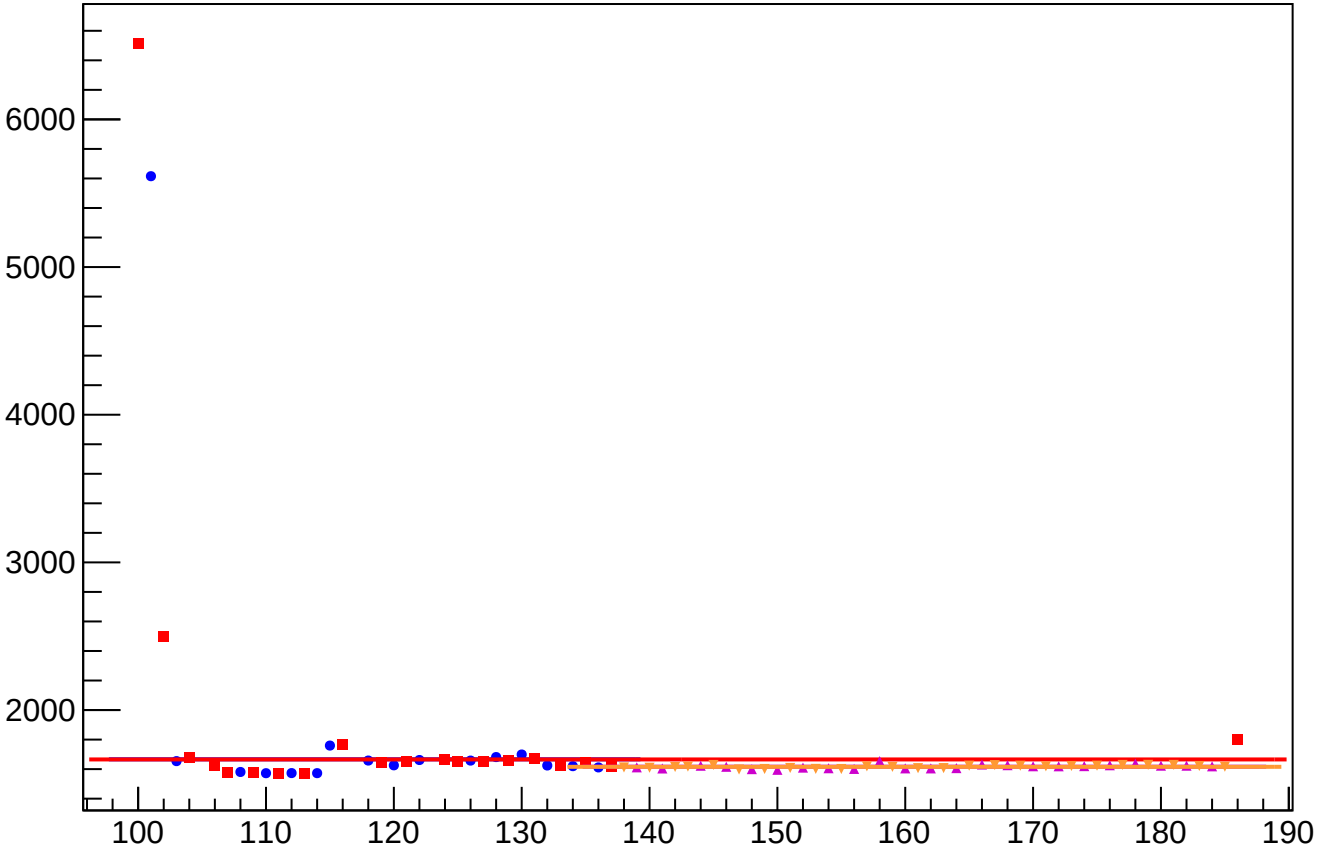
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2370.085+/-317.600 χ^2/NDF: 42.5/40

All: -2.697+/-225.391 χ^2/NDF: 200.0/83

- sign -2410.169+/-319.913 χ^2/NDF: 45.1/42

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1665.563+/-0.426 χ^2/NDF: 198082.6/19

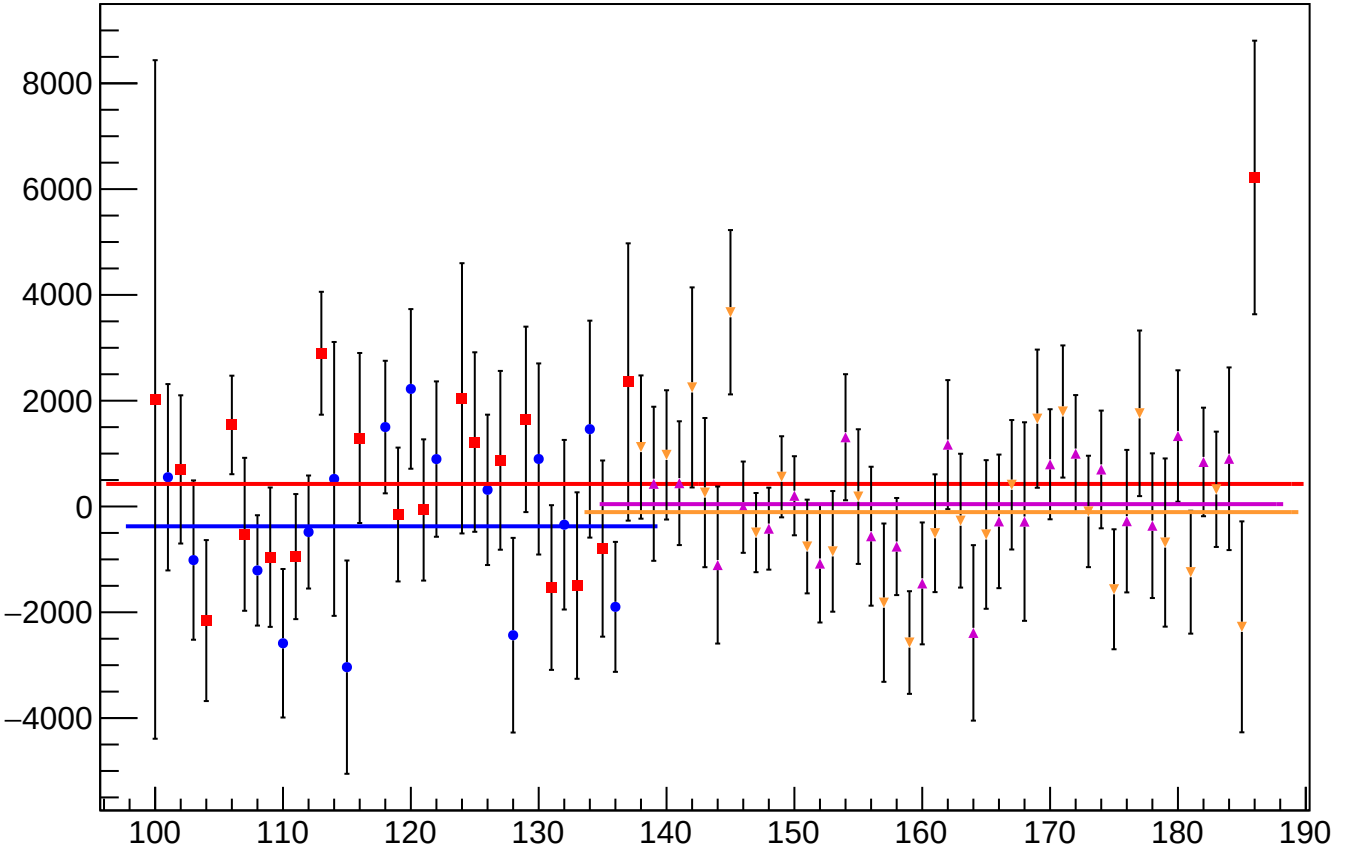
Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1628.378+/-0.225 χ^2/NDF: 673969.9/40

All: 1629.287+/-0.159 χ^2/NDF: 884210.7/83

- sign 1630.209+/-0.226 χ^2/NDF: 210207.8/42

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 426.188+/-337.704 χ^2/NDF: 22.5/19

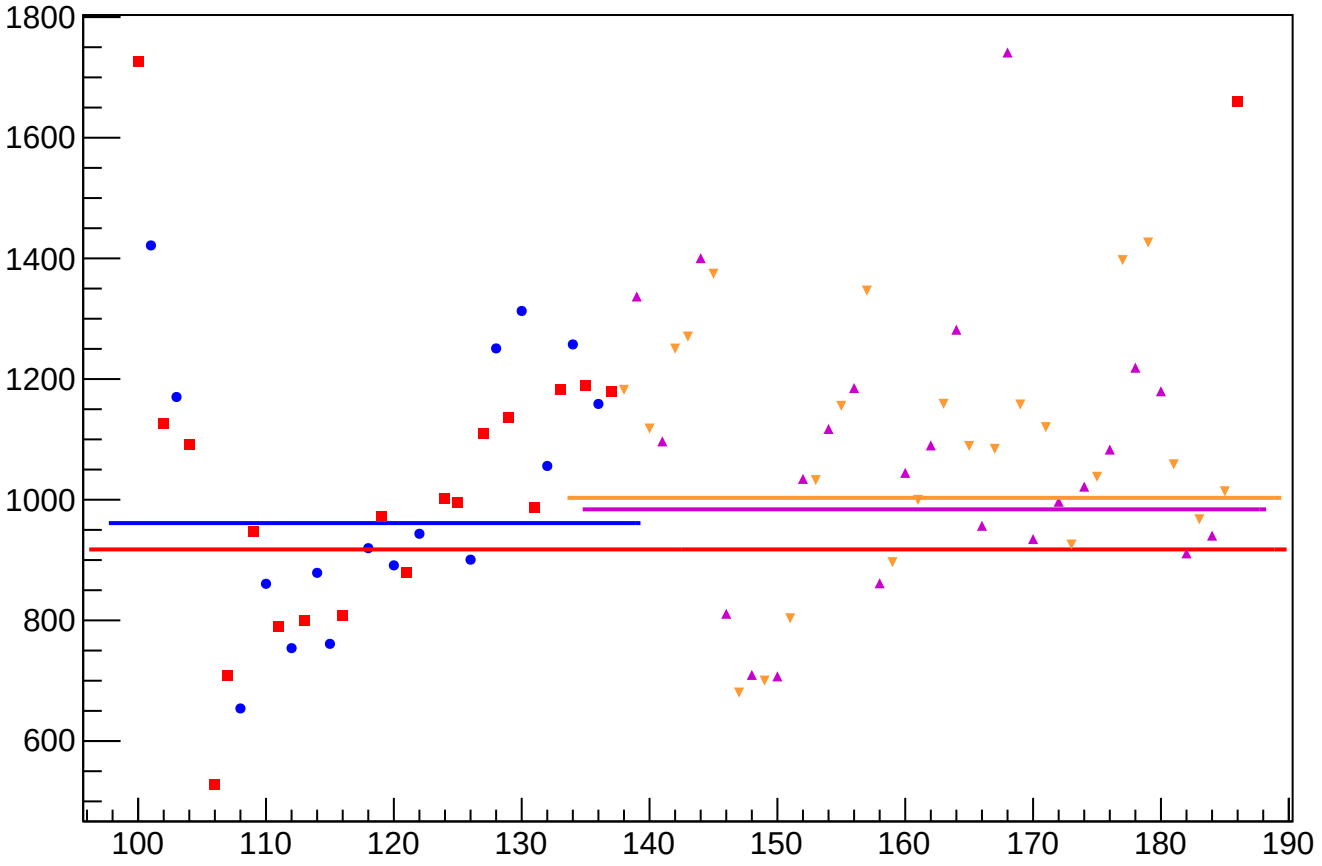
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -183.733+/-197.636 χ^2/NDF: 45.1/40

All: -3.181+/-138.190 χ^2/NDF: 82.9/83

- sign 169.530+/-193.297 χ^2/NDF: 36.2/42

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

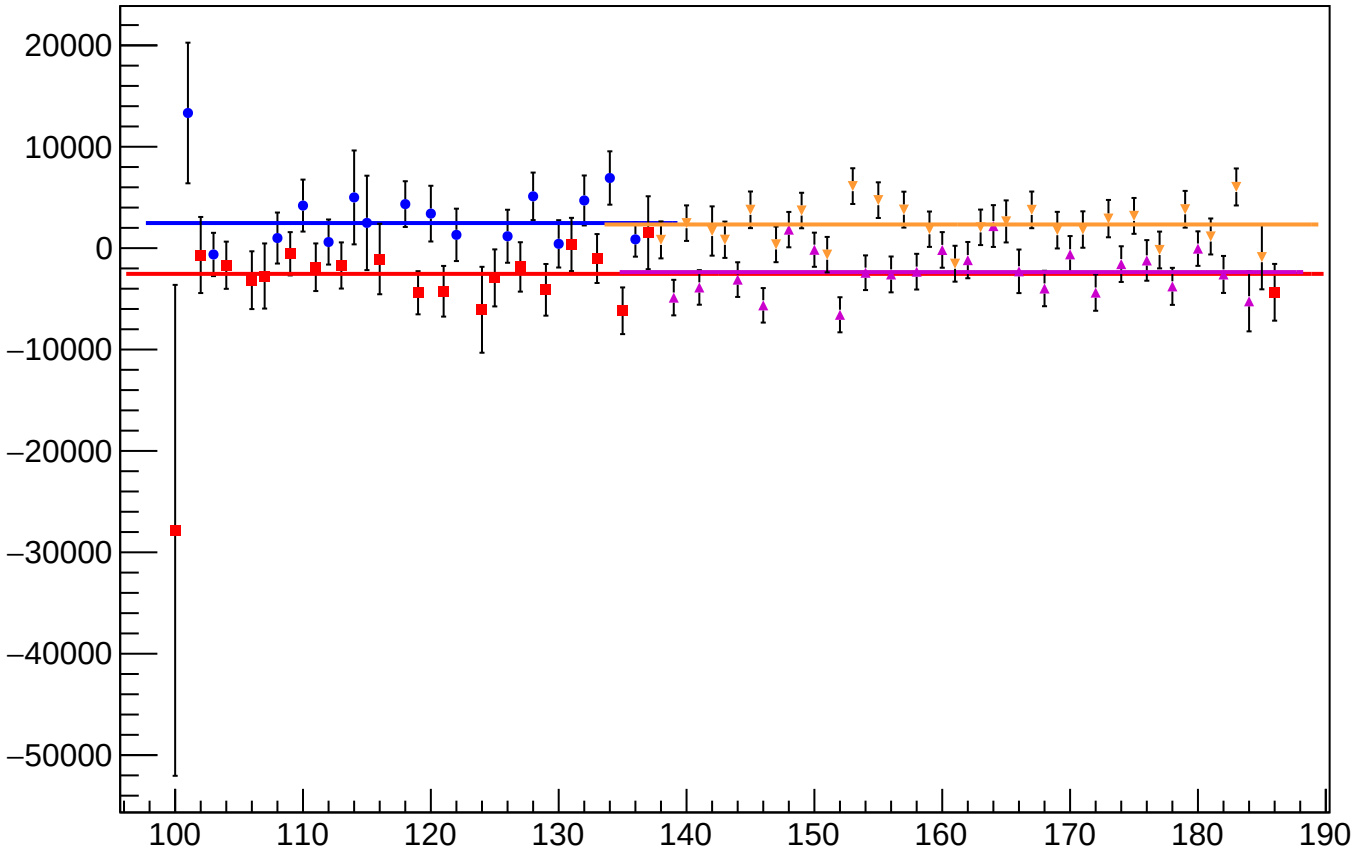
Right Out: 917.609+/-0.239 χ^2/NDF: 903998.4/19

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 991.024+/-0.140 χ^2/NDF: 2308707.0/40

All: 976.335+/-0.098 χ^2/NDF: 4845940.2/83

- sign 962.284+/-0.137 χ^2/NDF: 2515617.7/42



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2537.516+/-603.026 χ^2/NDF: 11.0/19

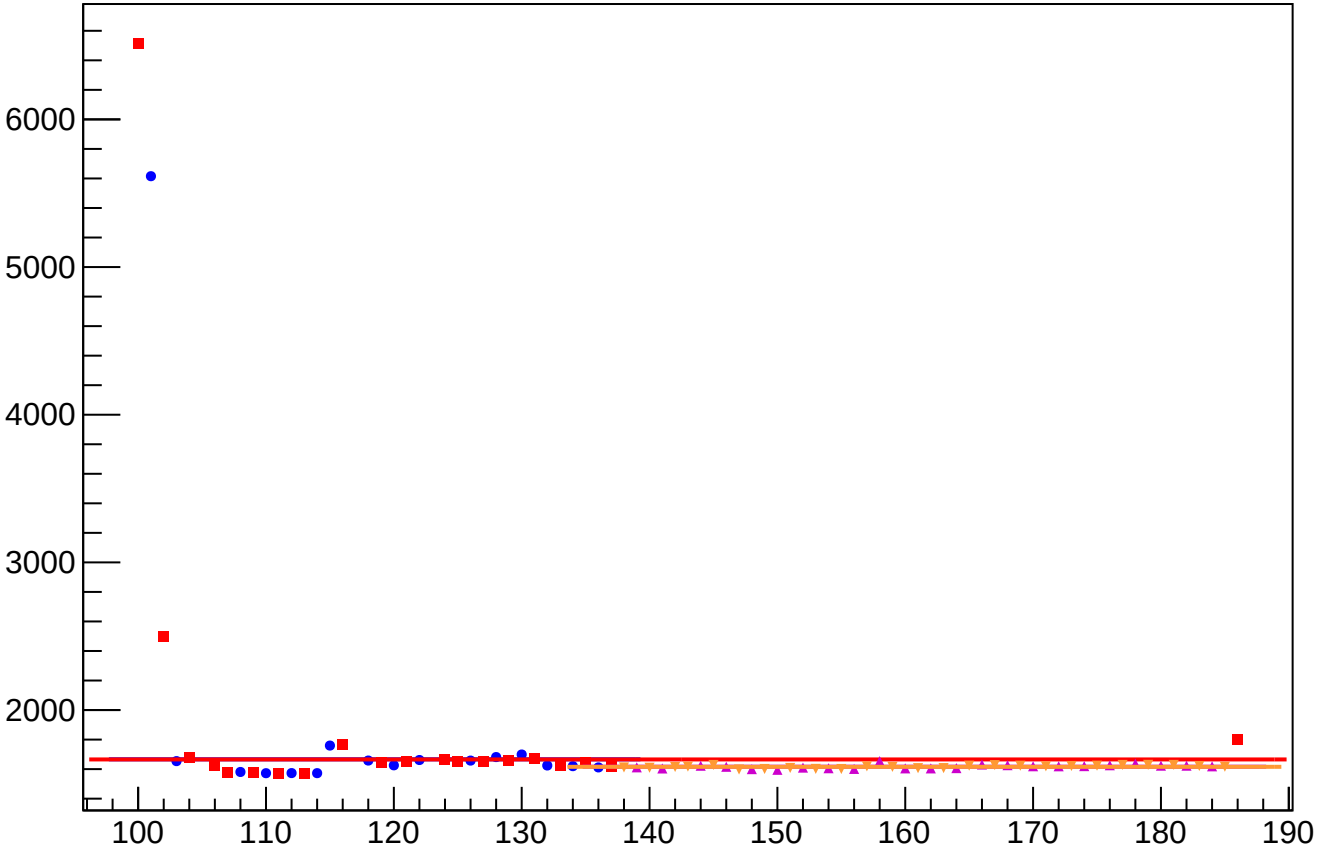
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2370.085+/-317.600 χ^2/NDF: 42.5/40

All: -2.698+/-225.391 χ^2/NDF: 200.0/83

- sign -2410.169+/-319.913 χ^2/NDF: 45.1/42

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

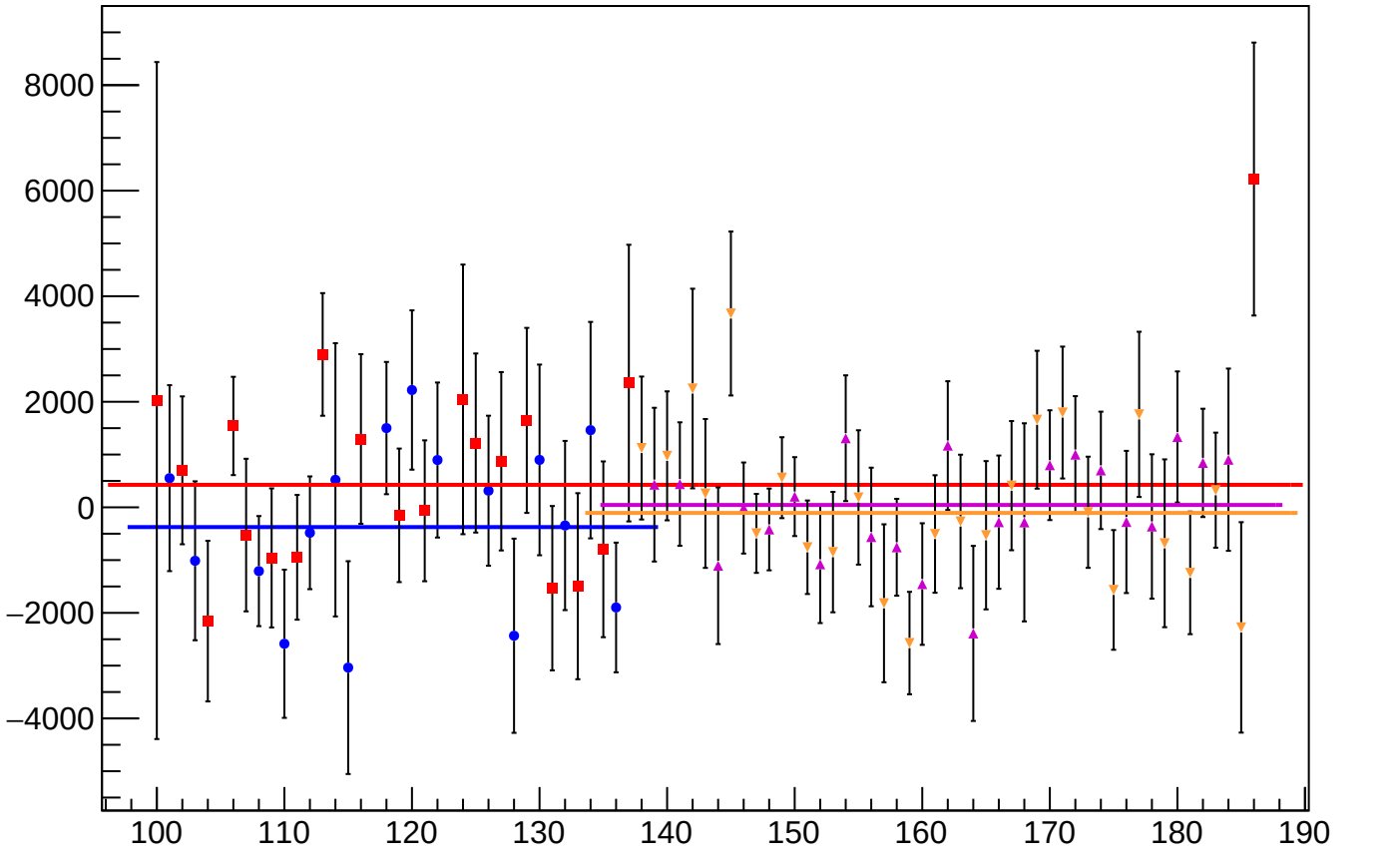
Right Out: 1665.563+/-0.426 χ^2/NDF: 198082.5/19

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1628.378+/-0.225 χ^2/NDF: 673969.9/40

All: 1629.287+/-0.159 χ^2/NDF: 884210.5/83

- sign 1630.208+/-0.226 χ^2/NDF: 210207.6/42



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

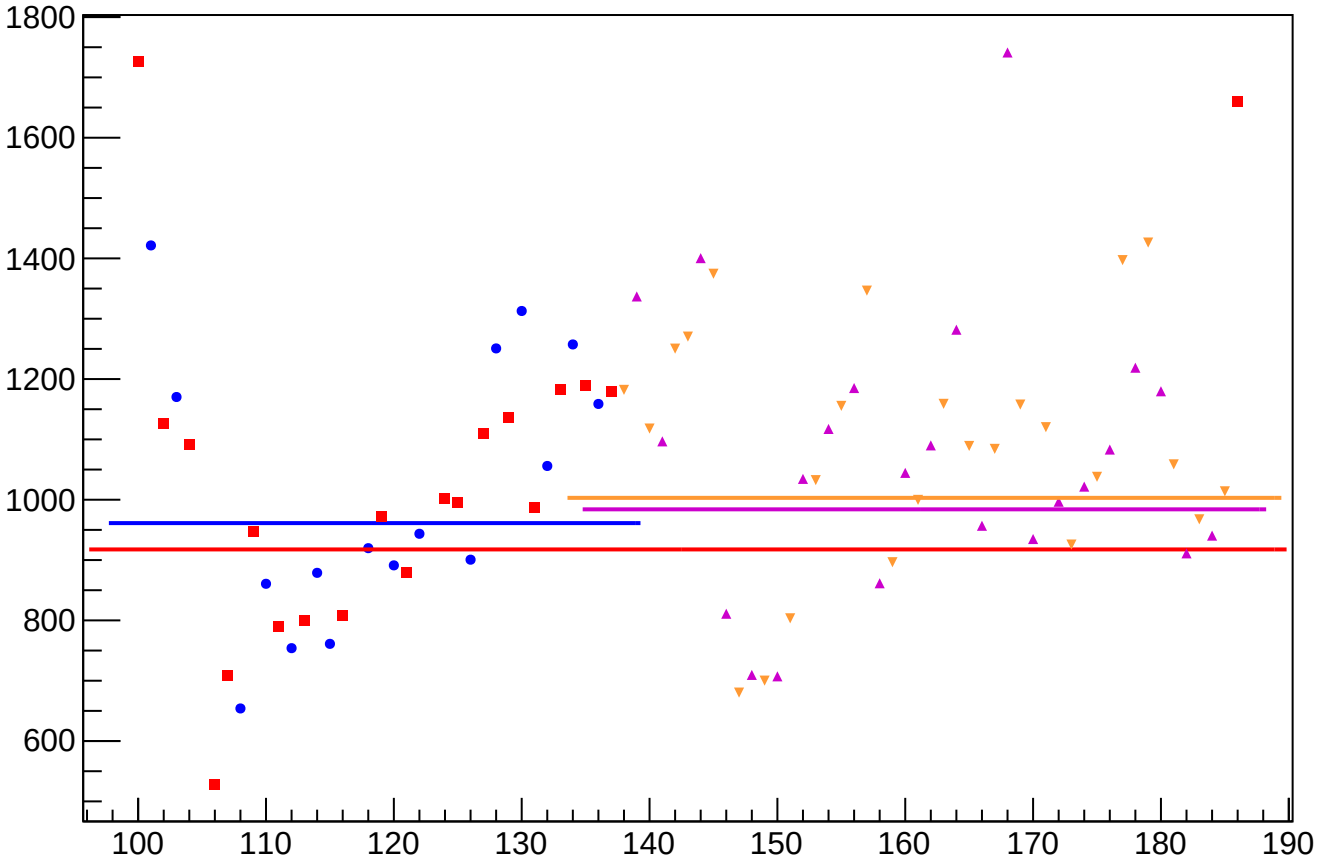
Right Out: 426.185+/-337.703 χ^2/NDF: 22.5/19

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -183.735+/-197.636 χ^2/NDF: 45.1/40

All: -3.182+/-138.190 χ^2/NDF: 82.9/83

- sign 169.530+/-193.297 χ^2/NDF: 36.2/42



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

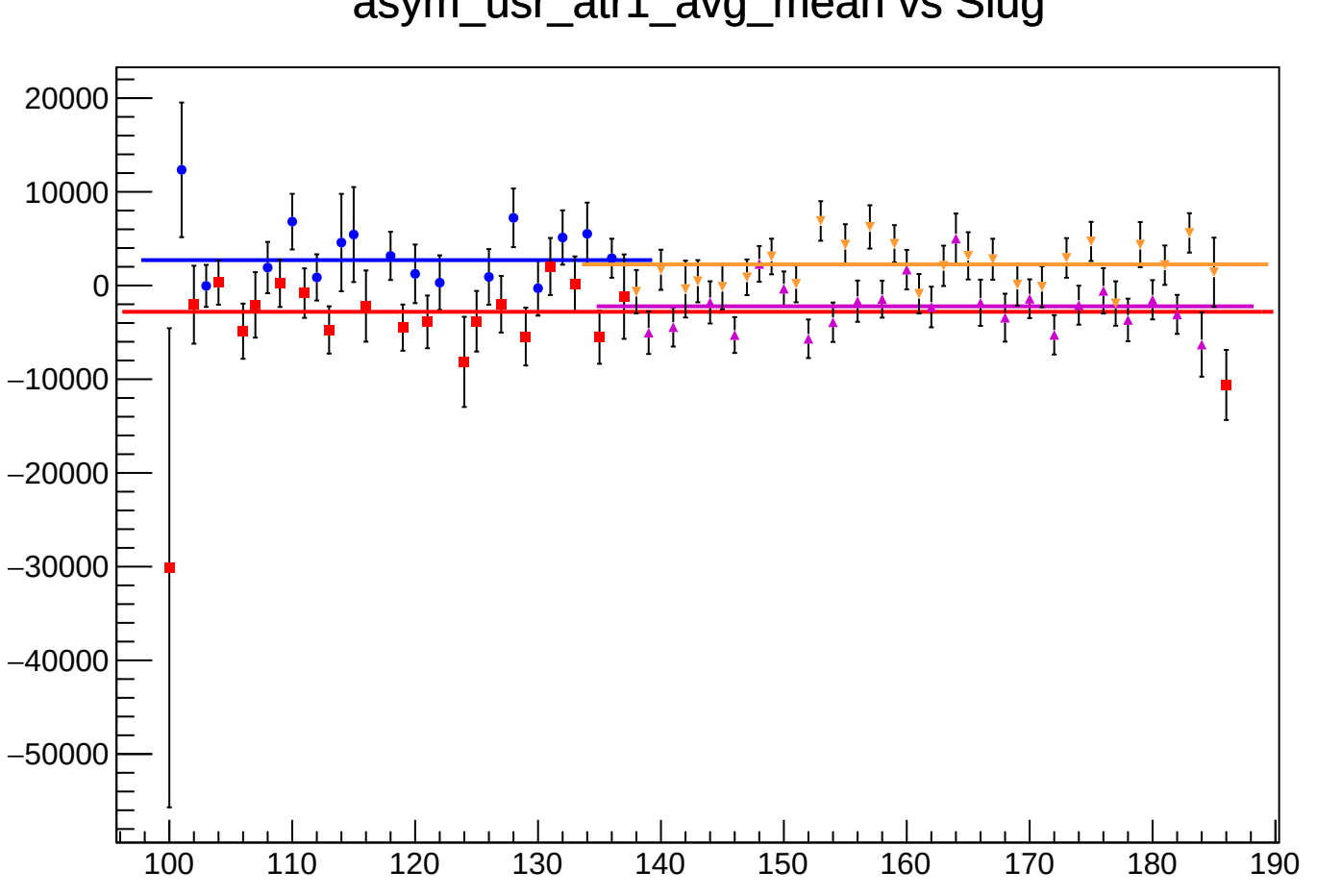
Right Out: 917.606+/-0.239 χ^2/NDF: 903998.5/19

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 991.024+/-0.140 χ^2/NDF: 2308722.5/40

All: 976.336+/-0.098 χ^2/NDF: 4845965.0/83

- sign 962.285+/-0.137 χ^2/NDF: 2515627.1/42



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -2804.385+/-694.165 χ^2/NDF: 17.8/19

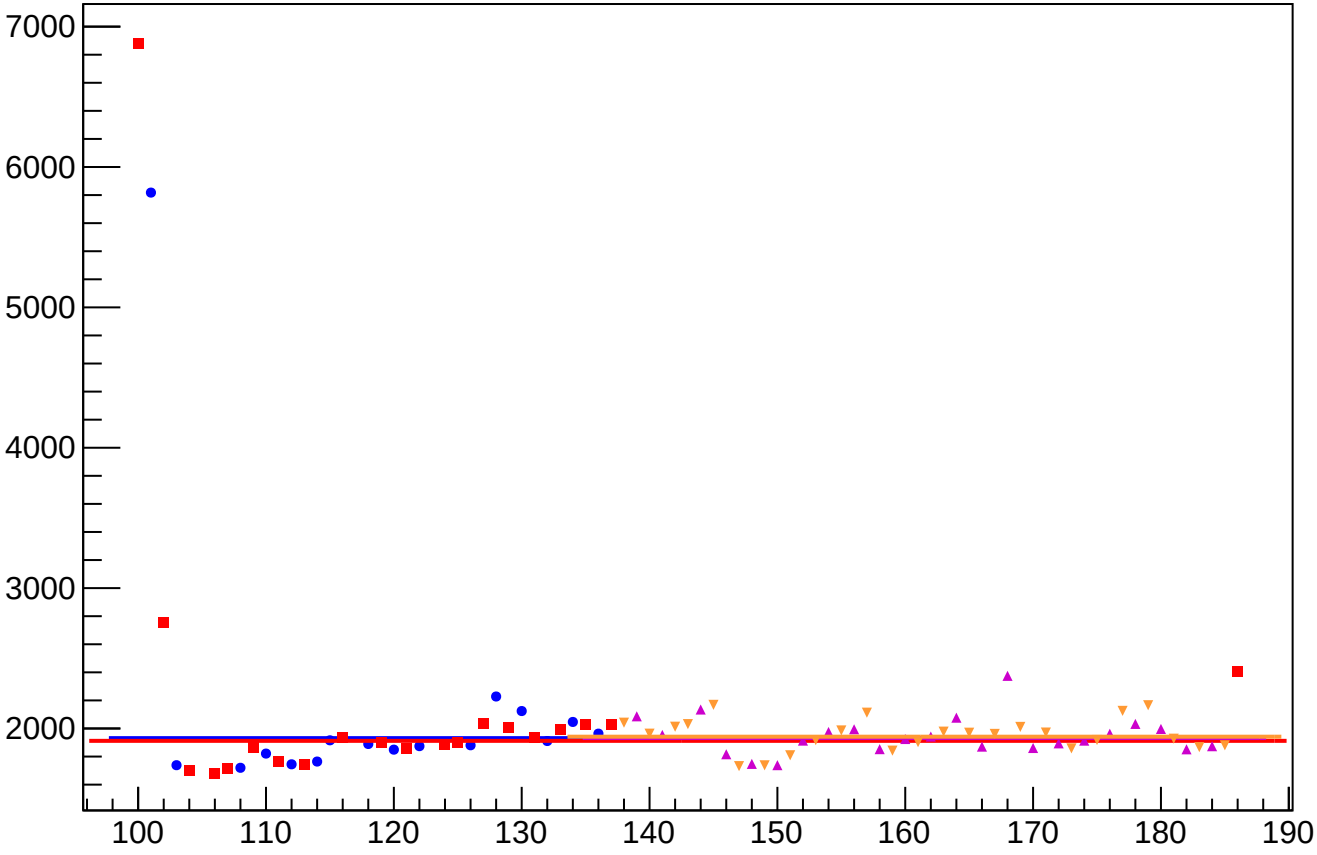
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2374.354+/-378.930 χ^2/NDF: 40.7/40

All: -9.581+/-267.950 χ^2/NDF: 169.7/83

- sign -2393.732+/-378.947 χ^2/NDF: 49.8/42

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

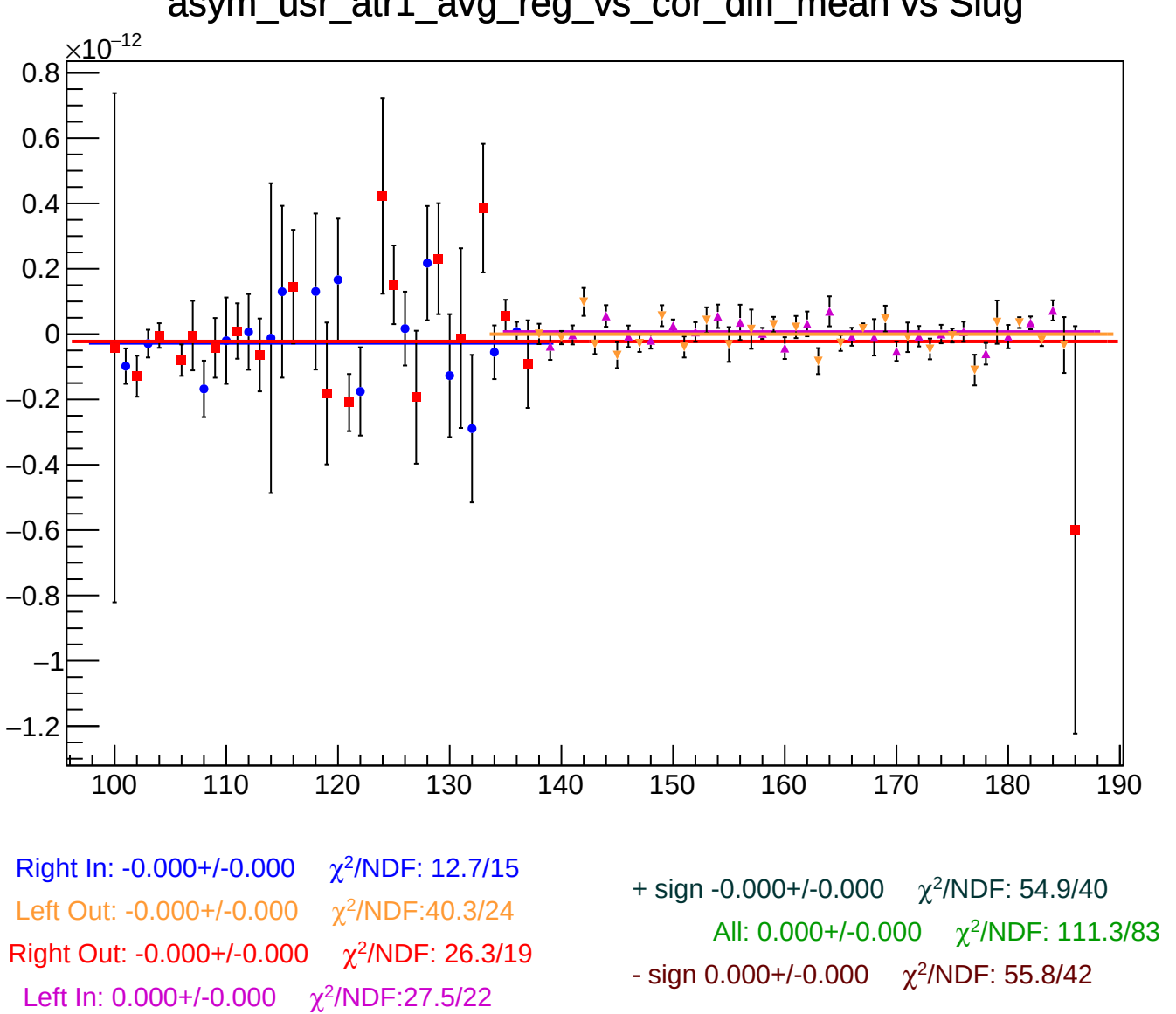
Right Out: 1911.938+/-0.491 χ^2/NDF: 256505.6/19

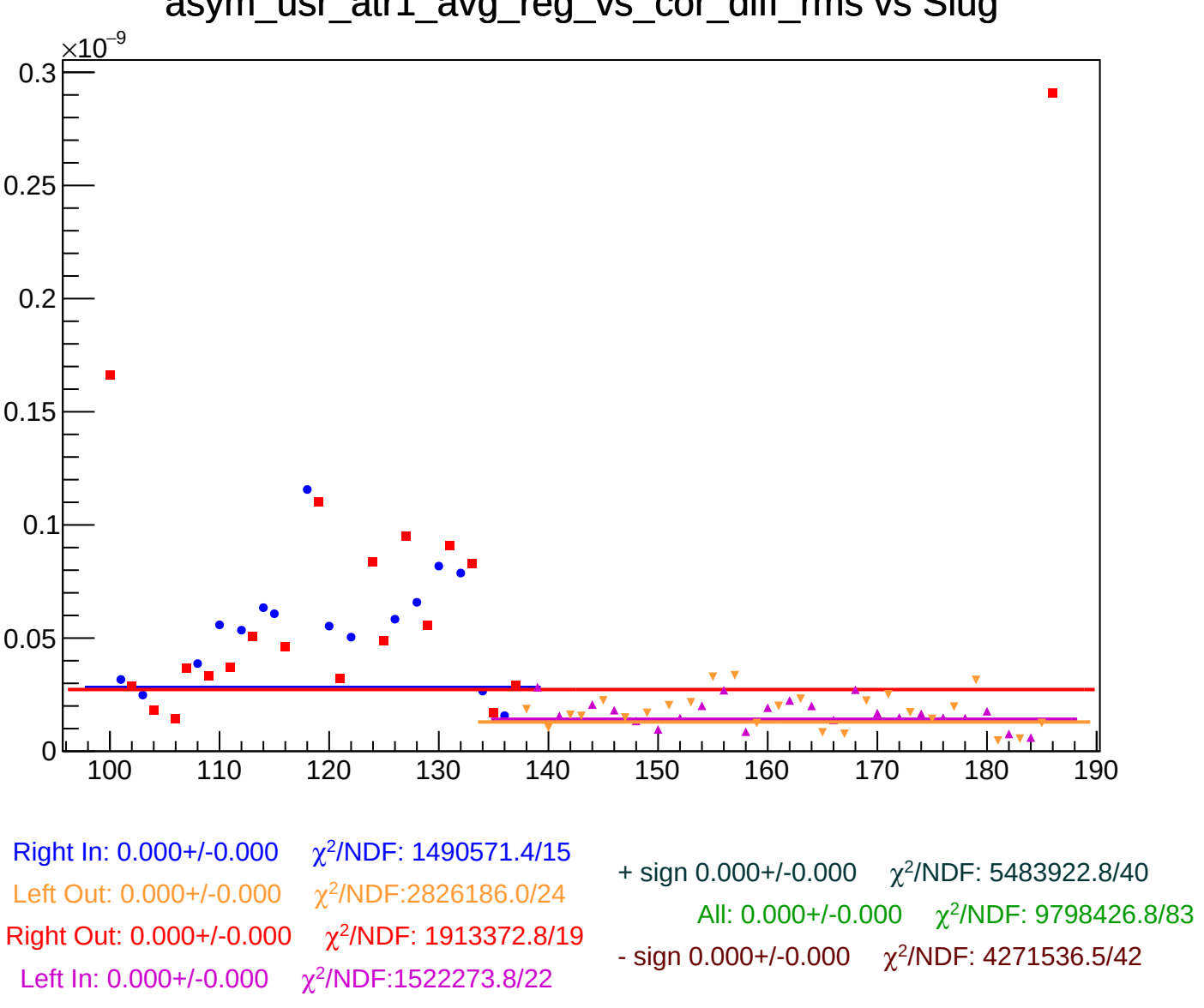
Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 1938.837+/-0.268 χ^2/NDF: 800528.6/40

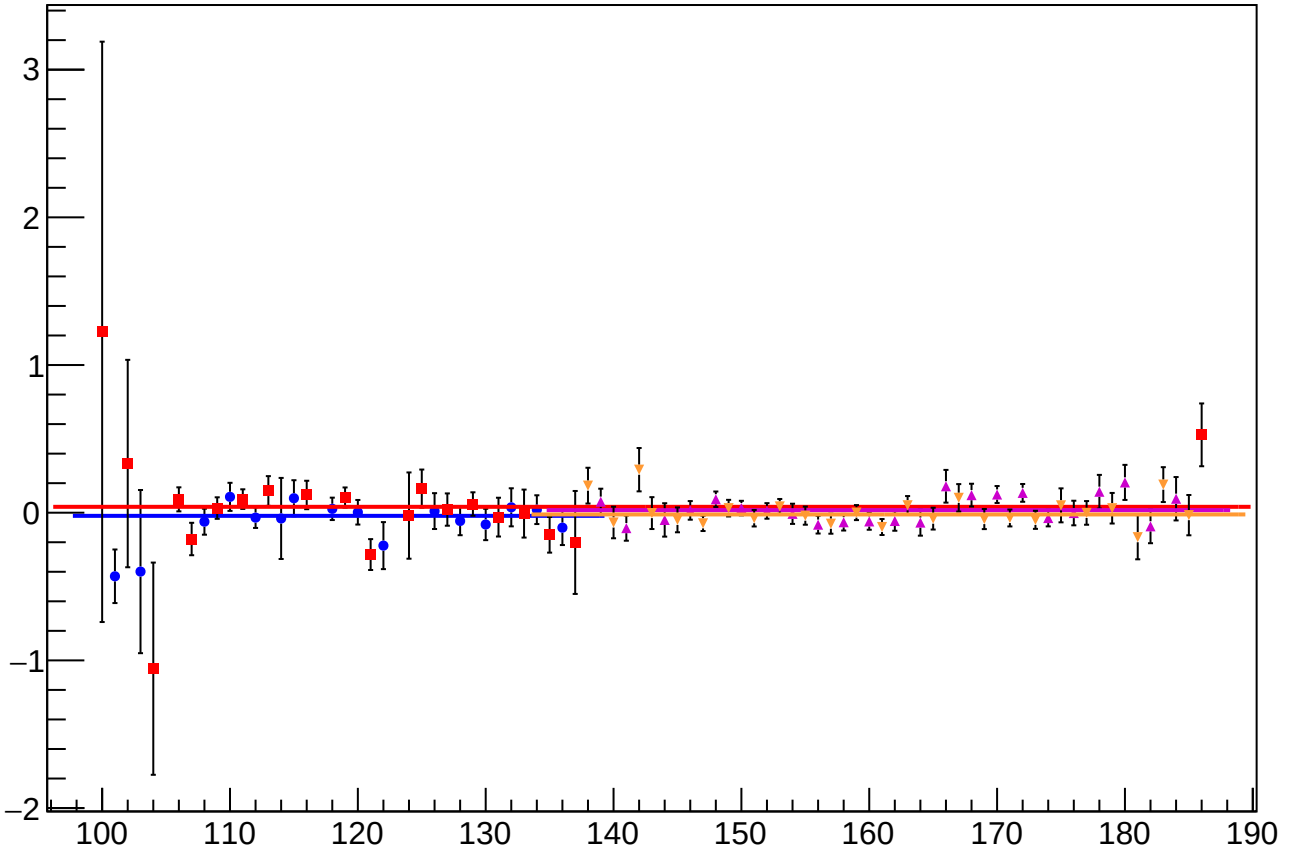
All: 1932.364+/-0.189 χ^2/NDF: 1219229.5/83

- sign 1925.889+/-0.268 χ^2/NDF: 417533.4/42


asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
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: 12.7/15
Left Out: -0.000+/-0.000 χ²/NDF:40.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 26.3/19
Left In: 0.000+/-0.000 χ²/NDF:27.5/22
+ sign -0.000+/-0.000 χ²/NDF: 54.9/40
All: 0.000+/-0.000 χ²/NDF: 111.3/83
- sign 0.000+/-0.000 χ²/NDF: 55.8/42


asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 1490571.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2826186.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 1913372.8/19
Left In: 0.000+/-0.000 χ²/NDF:1522273.8/22
+ sign 0.000+/-0.000 χ²/NDF: 5483922.8/40
All: 0.000+/-0.000 χ²/NDF: 9798426.8/83
- sign 0.000+/-0.000 χ²/NDF: 4271536.5/42

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.040+/-0.024 χ^2/NDF: 29.7/19

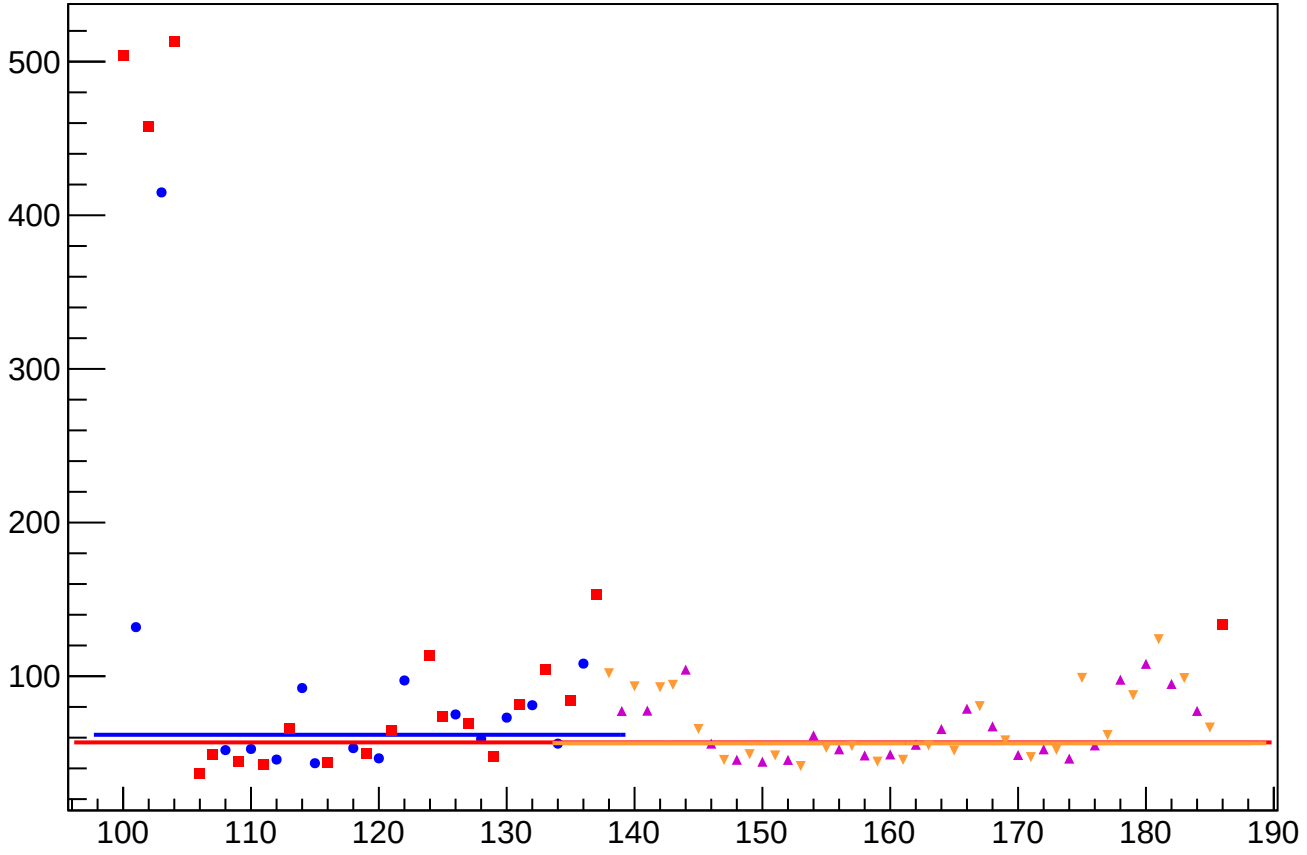
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/40

All: 0.005+/-0.009 χ^2/NDF: 99.2/83

- sign 0.023+/-0.012 χ^2/NDF: 60.9/42

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

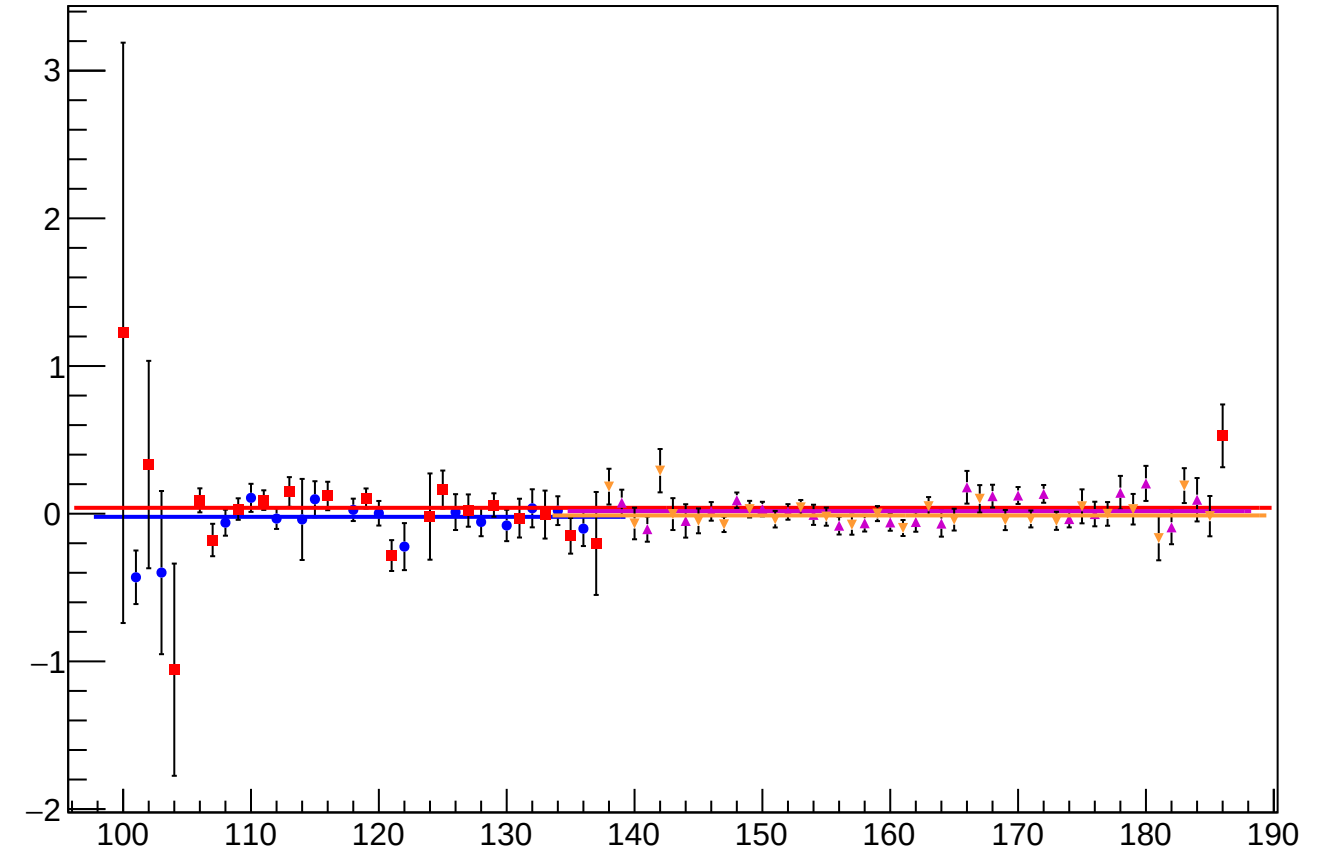
Right Out: 56.917+/-0.017 χ^2/NDF: 2857121.1/19

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

\+ sign 57.613+/-0.009 χ^2/NDF: 4801784.3/40

All: 57.092+/-0.006 χ^2/NDF: 9806224.1/83

\- sign 56.584+/-0.009 χ^2/NDF: 4997701.6/42



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

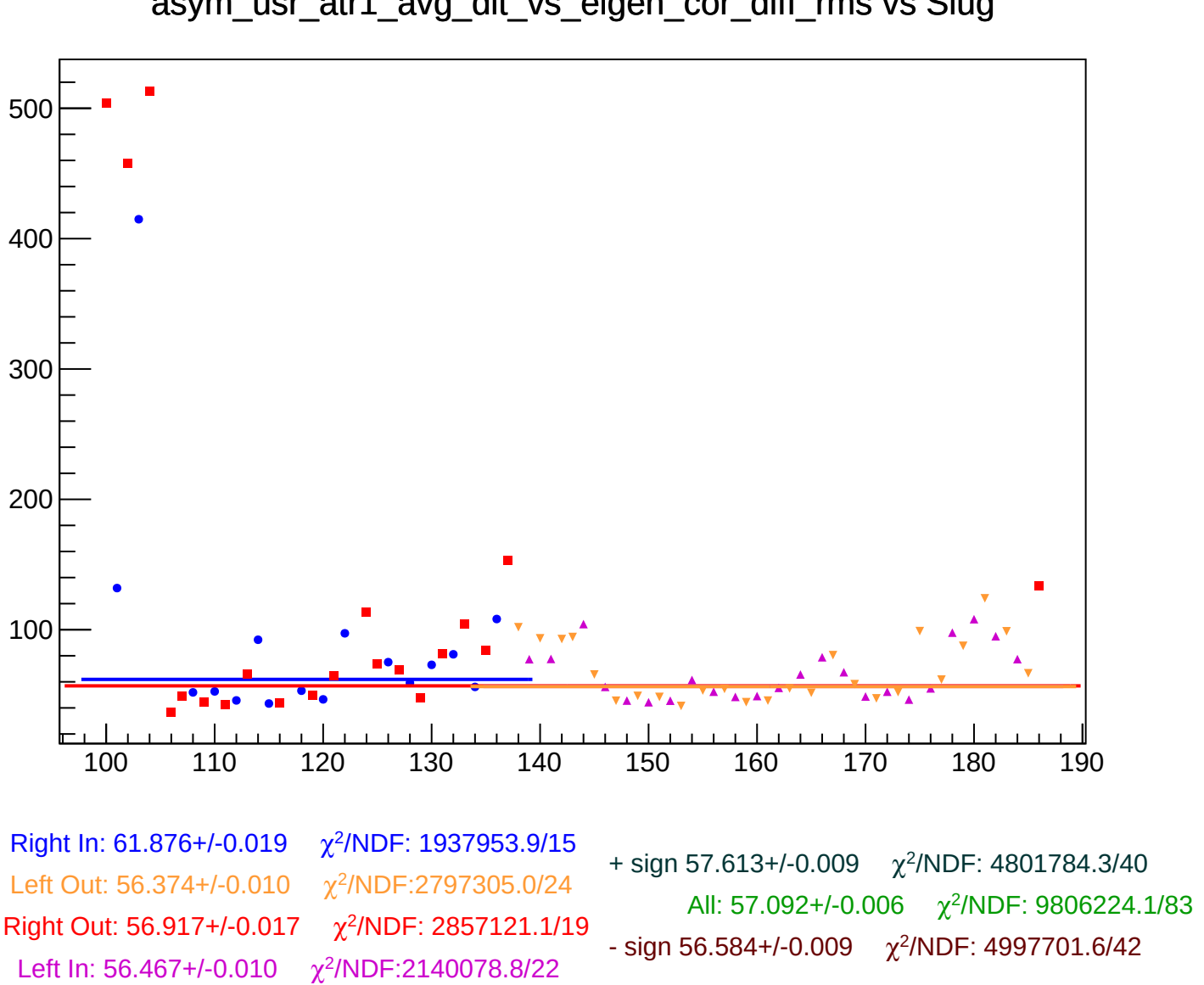
Right Out: 0.040+/-0.024 χ^2/NDF: 29.7/19

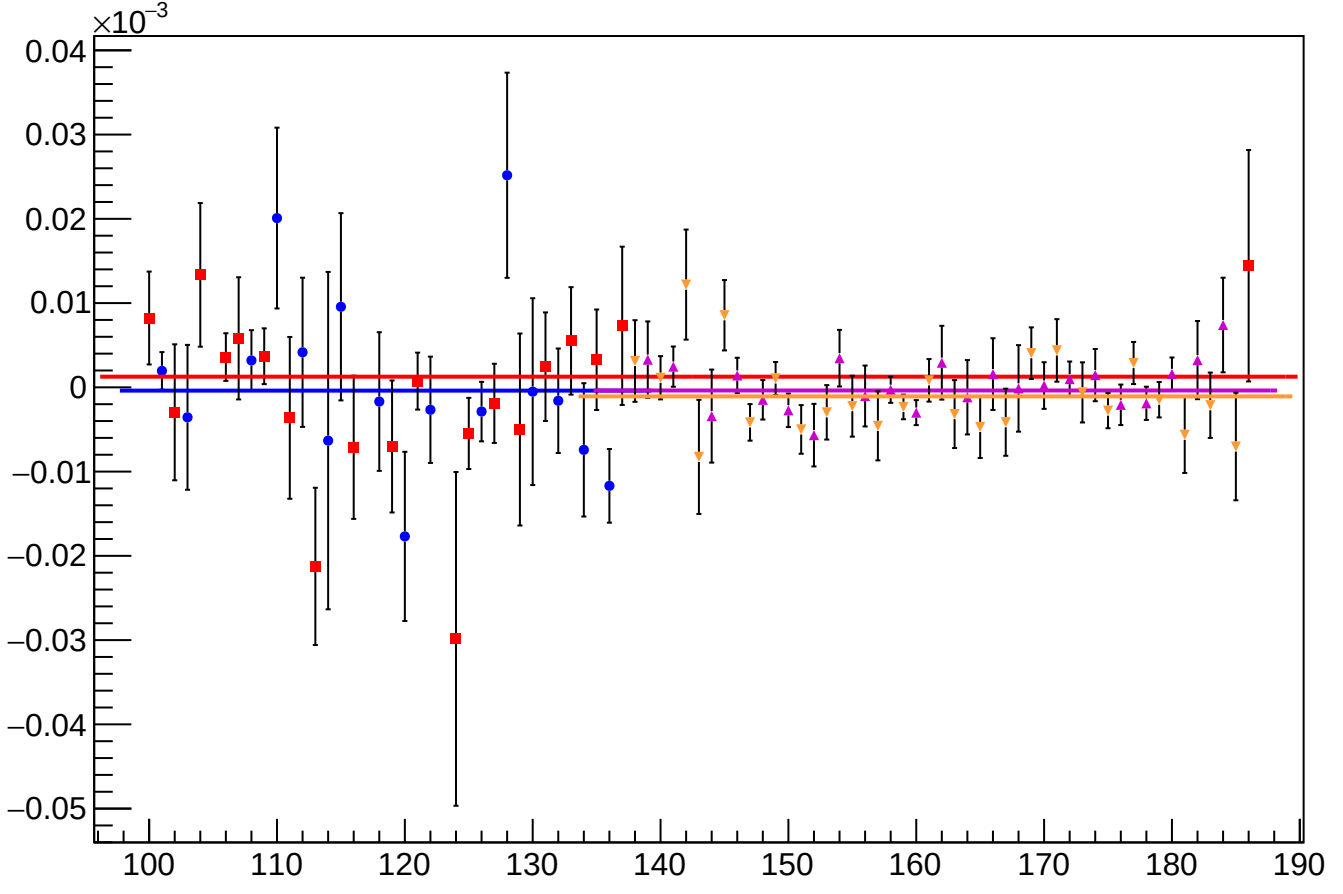
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

\+ sign -0.014+/-0.013 χ^2/NDF: 33.9/40

All: 0.005+/-0.009 χ^2/NDF: 99.2/83

\- 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: 61.876+/-0.019 χ²/NDF: 1937953.9/15
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 57.613+/-0.009 χ²/NDF: 4801784.3/40
All: 57.092+/-0.006 χ²/NDF: 9806224.1/83
- sign 56.584+/-0.009 χ²/NDF: 4997701.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

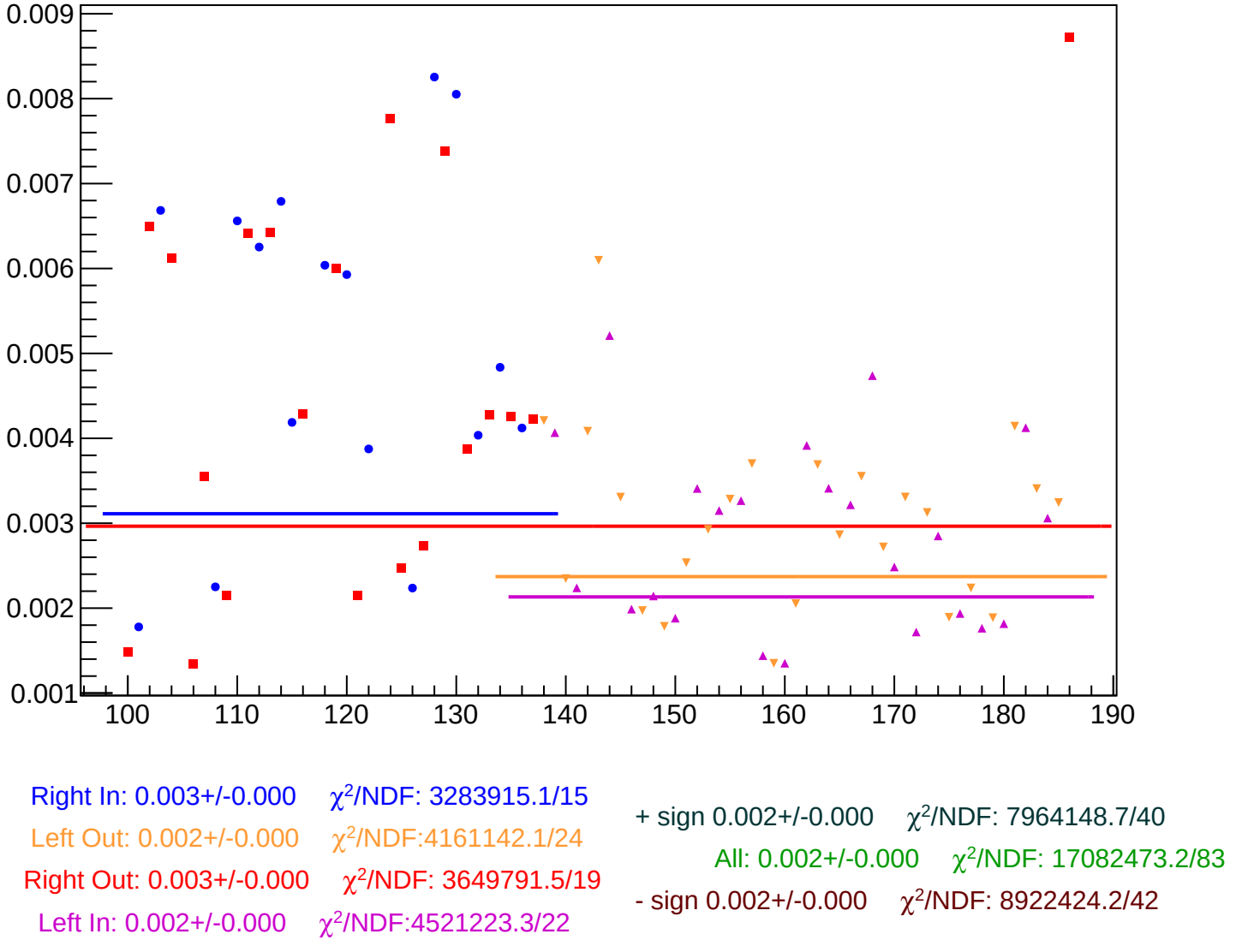
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/19

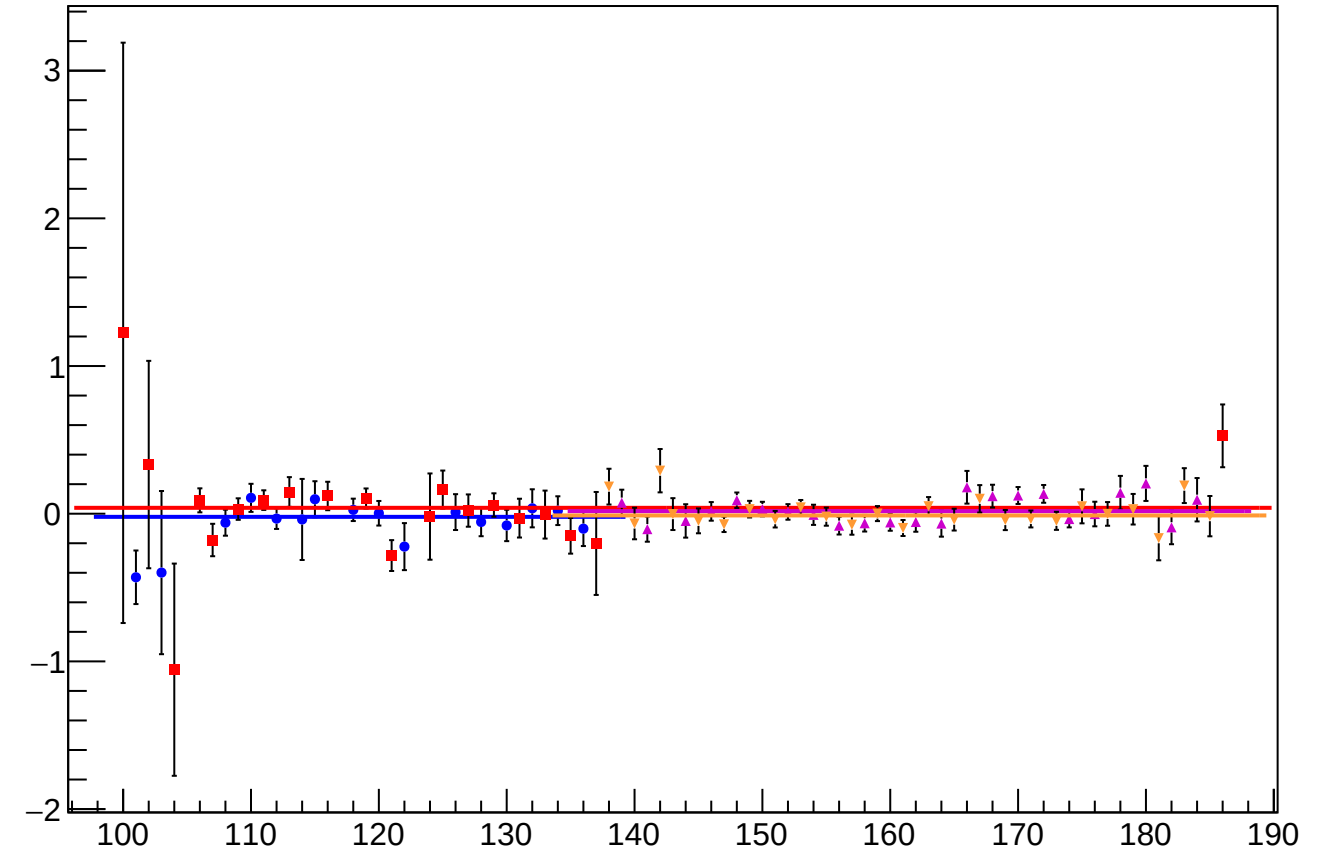
Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.4/40

All: -0.000+/-0.000 χ^2/NDF: 96.0/83

- sign -0.000+/-0.000 χ^2/NDF: 40.3/42


asym_usr_atr1_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: 0.003+/-0.000 χ²/NDF: 3283915.1/15
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 3649791.5/19
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
+ sign 0.002+/-0.000 χ²/NDF: 7964148.7/40
All: 0.002+/-0.000 χ²/NDF: 17082473.2/83
- sign 0.002+/-0.000 χ²/NDF: 8922424.2/42



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

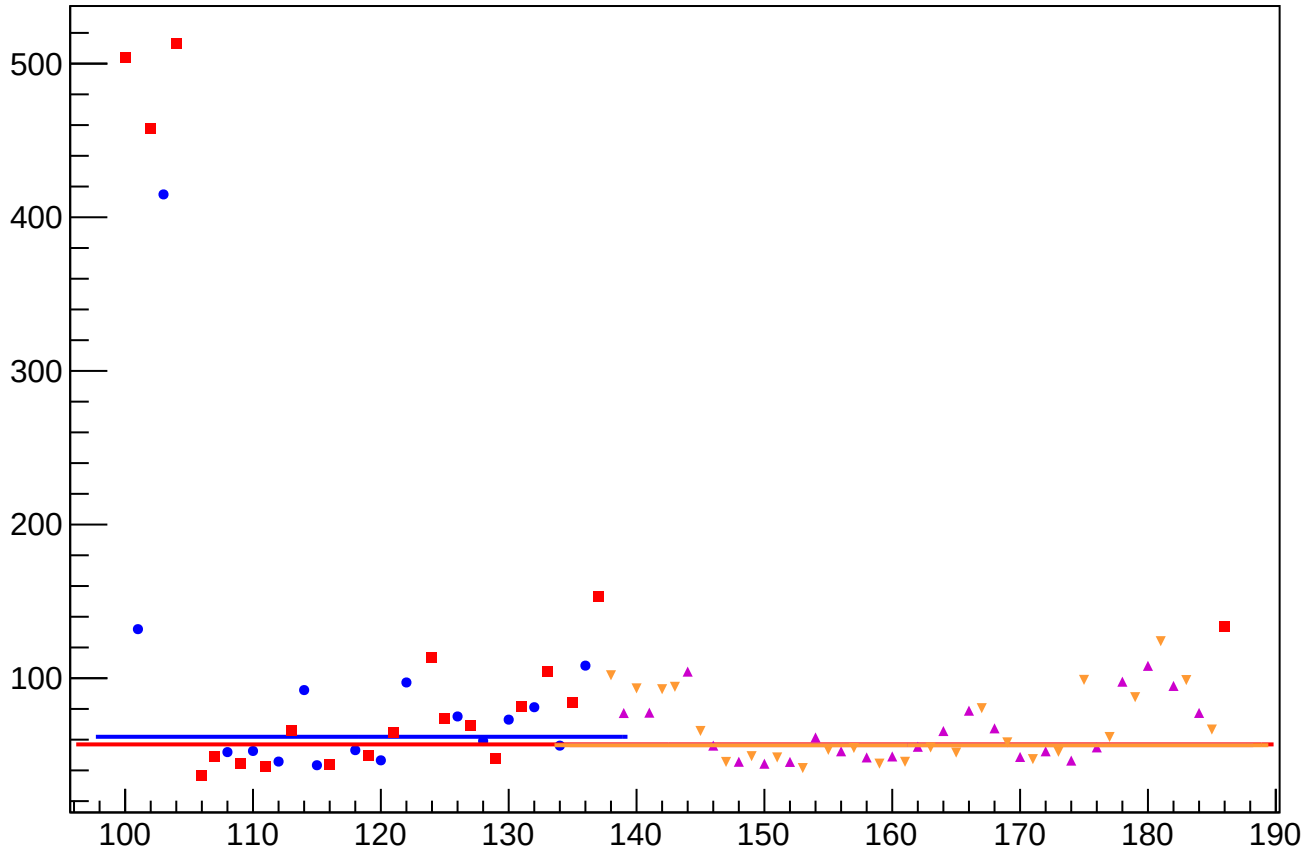
Right Out: 0.040+/-0.024 χ^2/NDF: 29.7/19

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/40

All: 0.005+/-0.009 χ^2/NDF: 99.2/83

- sign 0.023+/-0.012 χ^2/NDF: 60.9/42



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

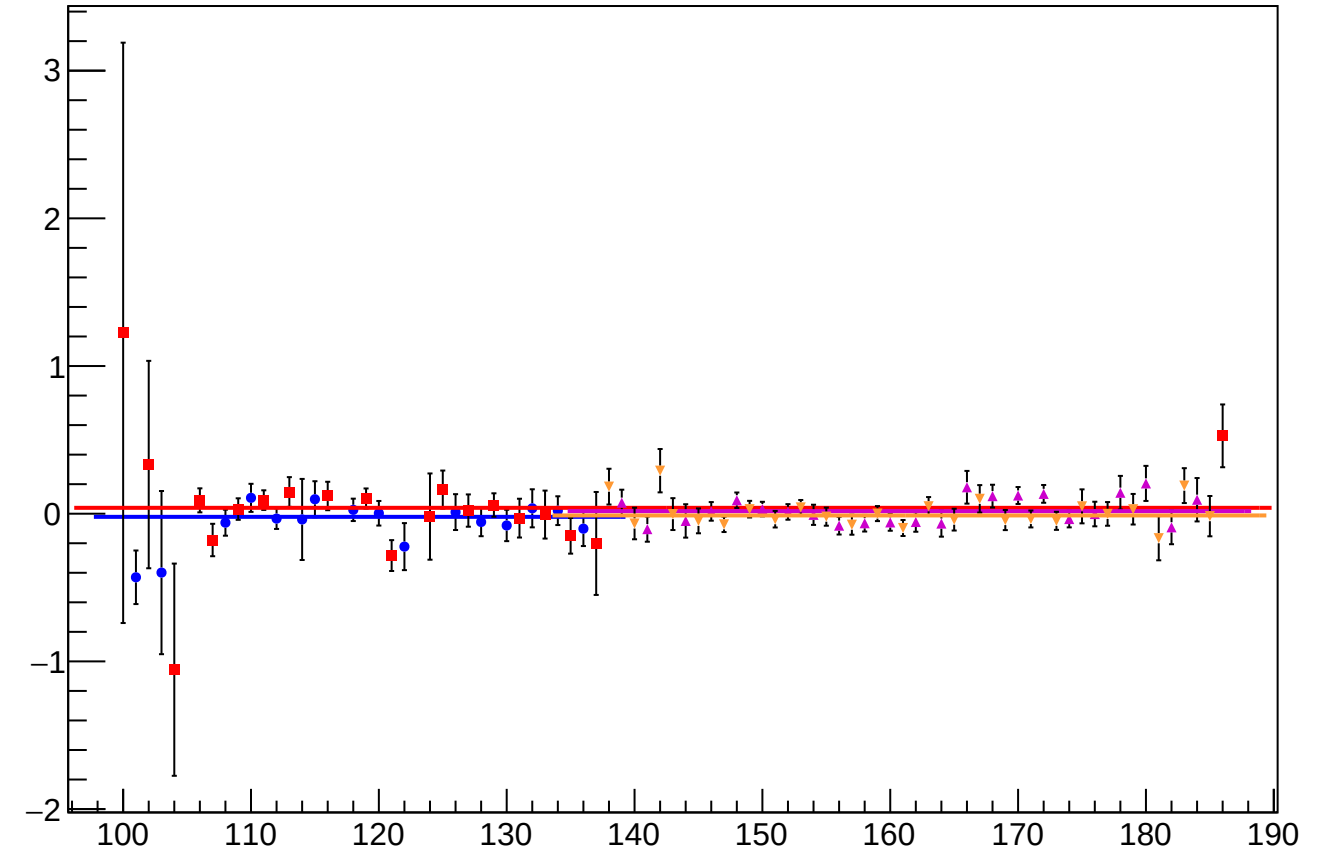
Right Out: 56.916+/-0.017 χ^2/NDF: 2857097.5/19

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 57.613+/-0.009 χ^2/NDF: 4801789.7/40

All: 57.092+/-0.006 χ^2/NDF: 9806190.6/83

- sign 56.584+/-0.009 χ^2/NDF: 4997660.7/42



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

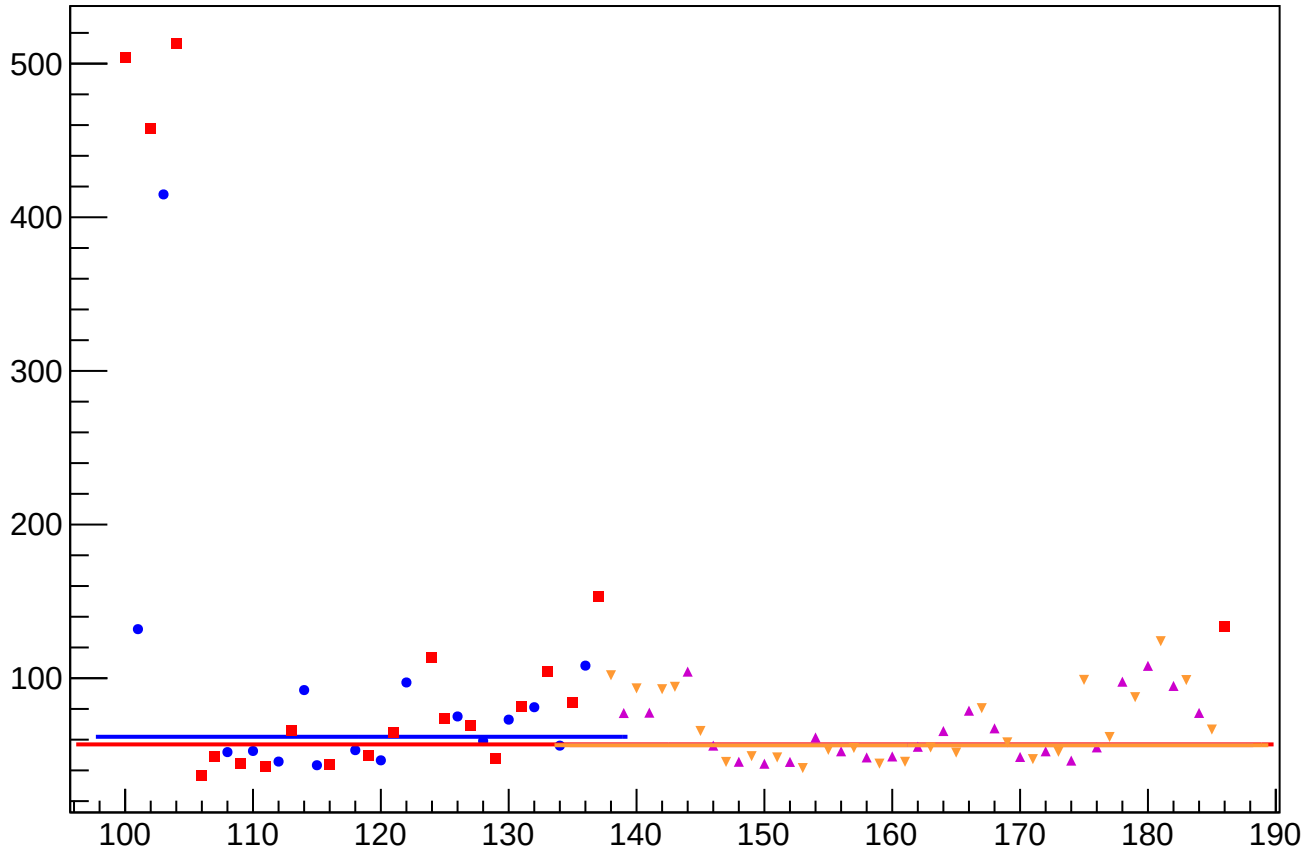
Right Out: 0.040+/-0.024 χ^2/NDF: 29.7/19

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/40

All: 0.005+/-0.009 χ^2/NDF: 99.2/83

- sign 0.023+/-0.012 χ^2/NDF: 60.9/42



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

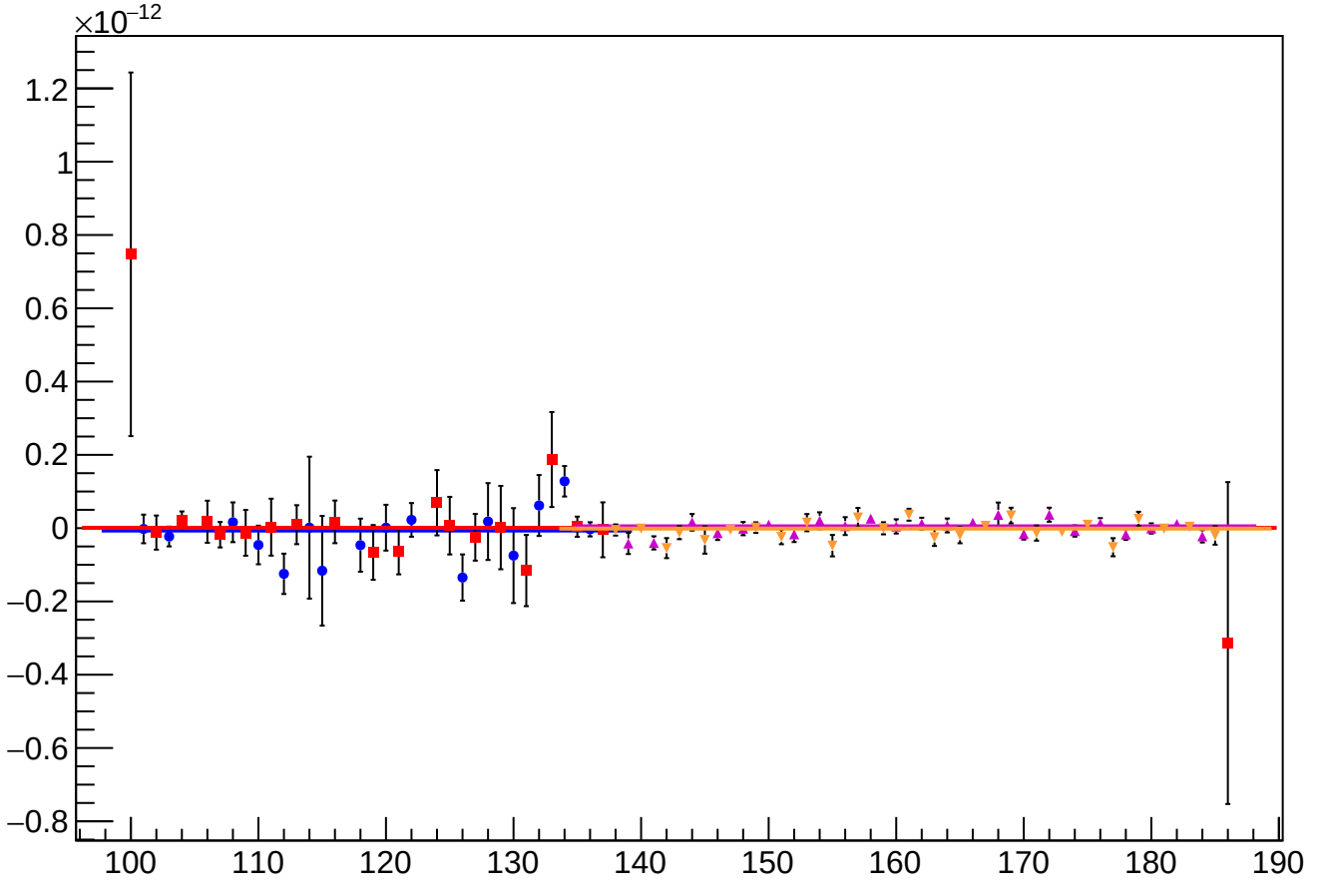
Right Out: 56.916+/-0.017 χ^2/NDF: 2857097.5/19

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 57.613+/-0.009 χ^2/NDF: 4801789.7/40

All: 57.092+/-0.006 χ^2/NDF: 9806190.6/83

- sign 56.584+/-0.009 χ^2/NDF: 4997660.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

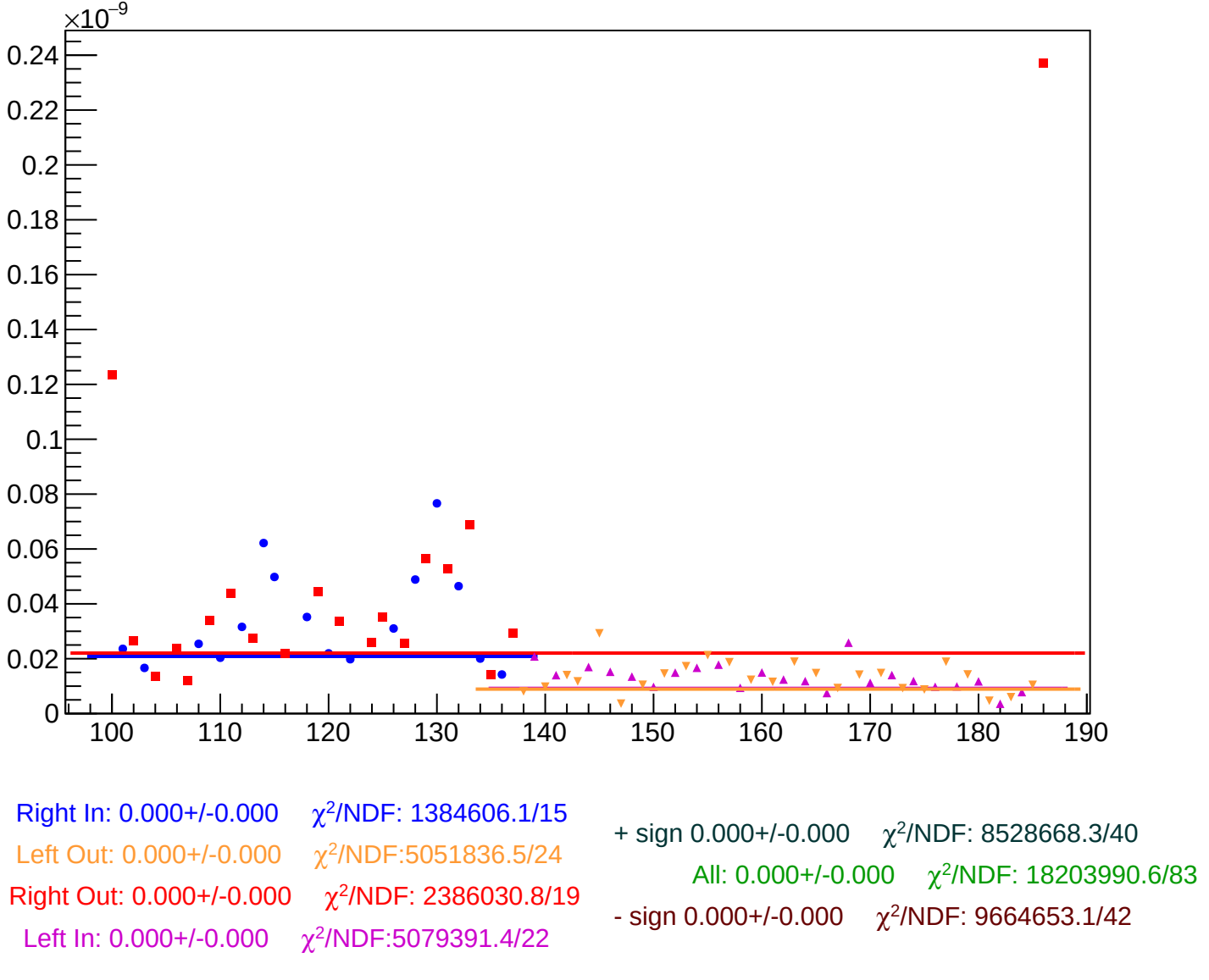
Right Out: 0.000+/-0.000 χ^2/NDF: 10.2/19

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

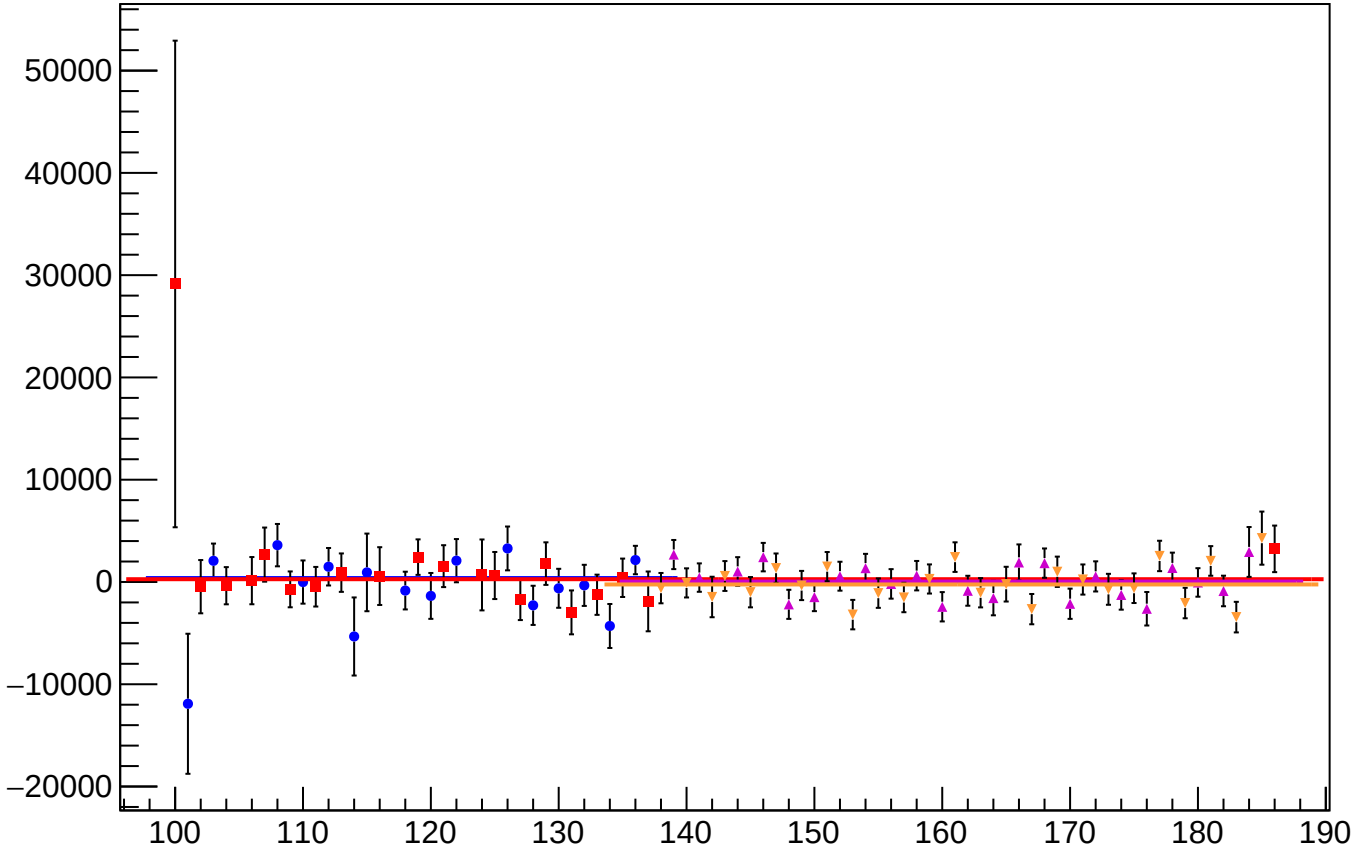
+ sign -0.000+/-0.000 χ^2/NDF: 52.4/40

All: 0.000+/-0.000 χ^2/NDF: 93.5/83

- 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: 1384606.1/15
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: 8528668.3/40
All: 0.000+/-0.000 χ²/NDF: 18203990.6/83
- sign 0.000+/-0.000 χ²/NDF: 9664653.1/42

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 271.600+/-489.281 χ^2/NDF: 11.8/19

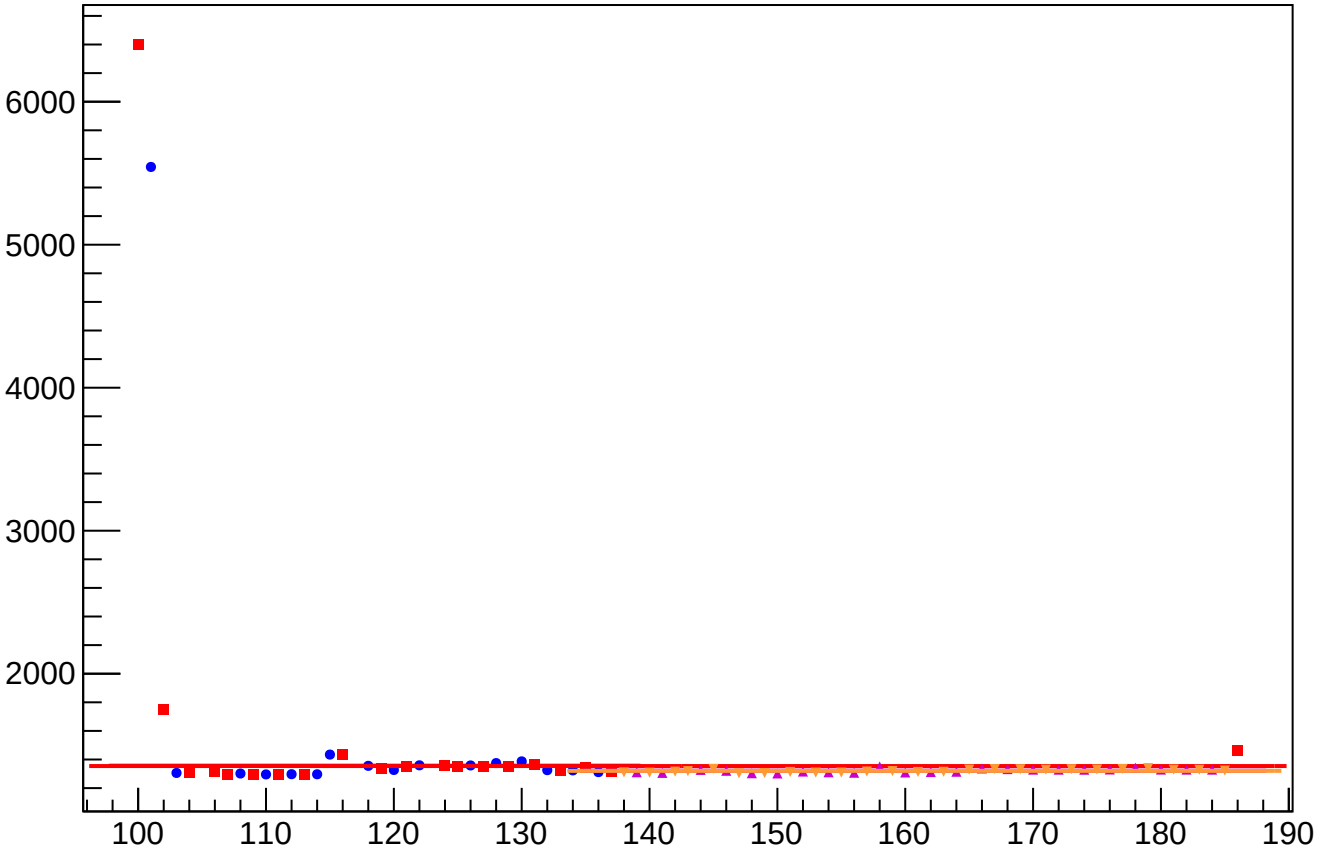
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -84.475+/-259.583 χ^2/NDF: 54.3/40

All: 9.880+/-184.063 χ^2/NDF: 93.6/83

- sign 105.291+/-261.032 χ^2/NDF: 39.0/42

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1354.311+/-0.346 χ^2/NDF: 152178.3/19

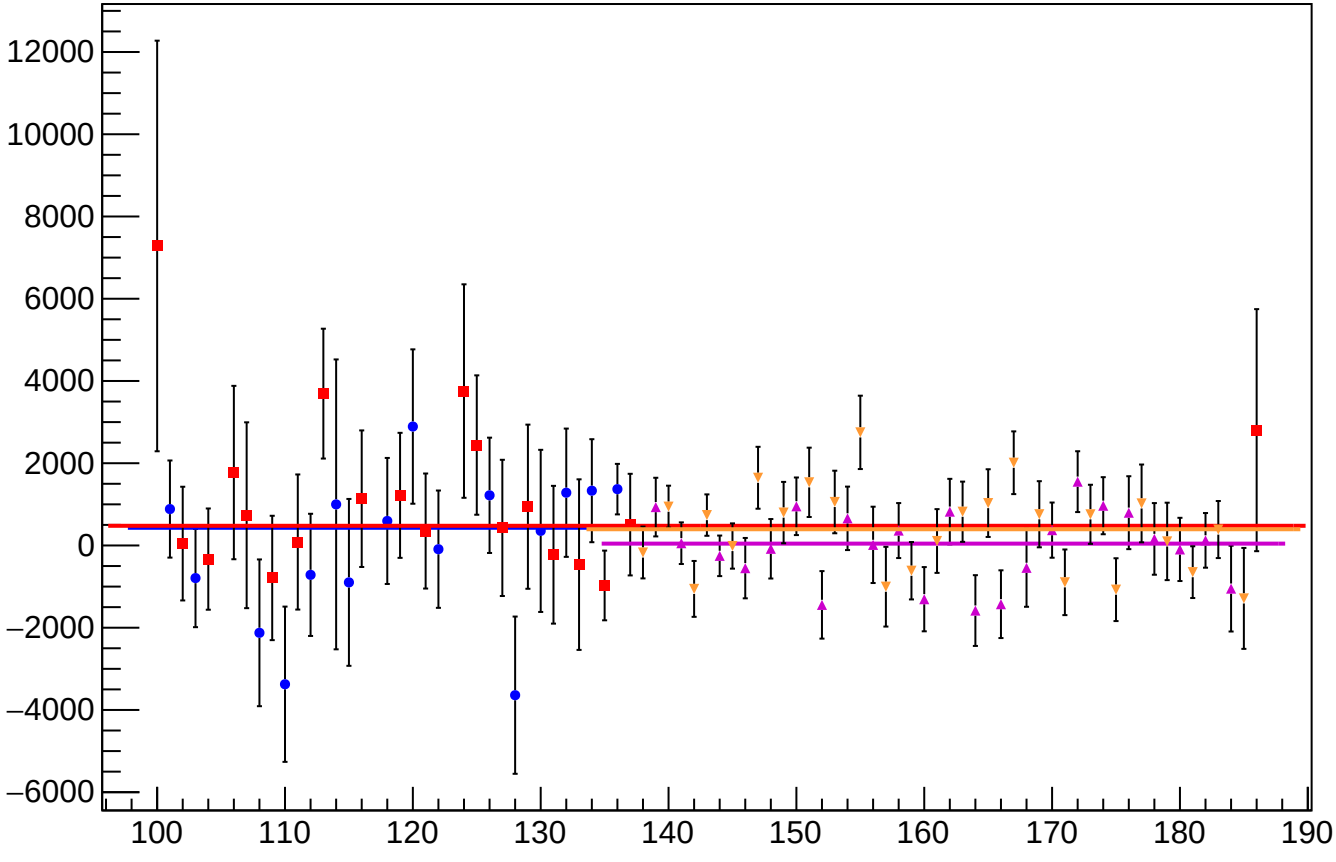
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.702+/-0.184 χ^2/NDF: 769969.3/40

All: 1330.368+/-0.130 χ^2/NDF: 932051.2/83

- sign 1331.041+/-0.185 χ^2/NDF: 162055.4/42

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 478.504+/-353.027 χ^2/NDF: 15.0/19

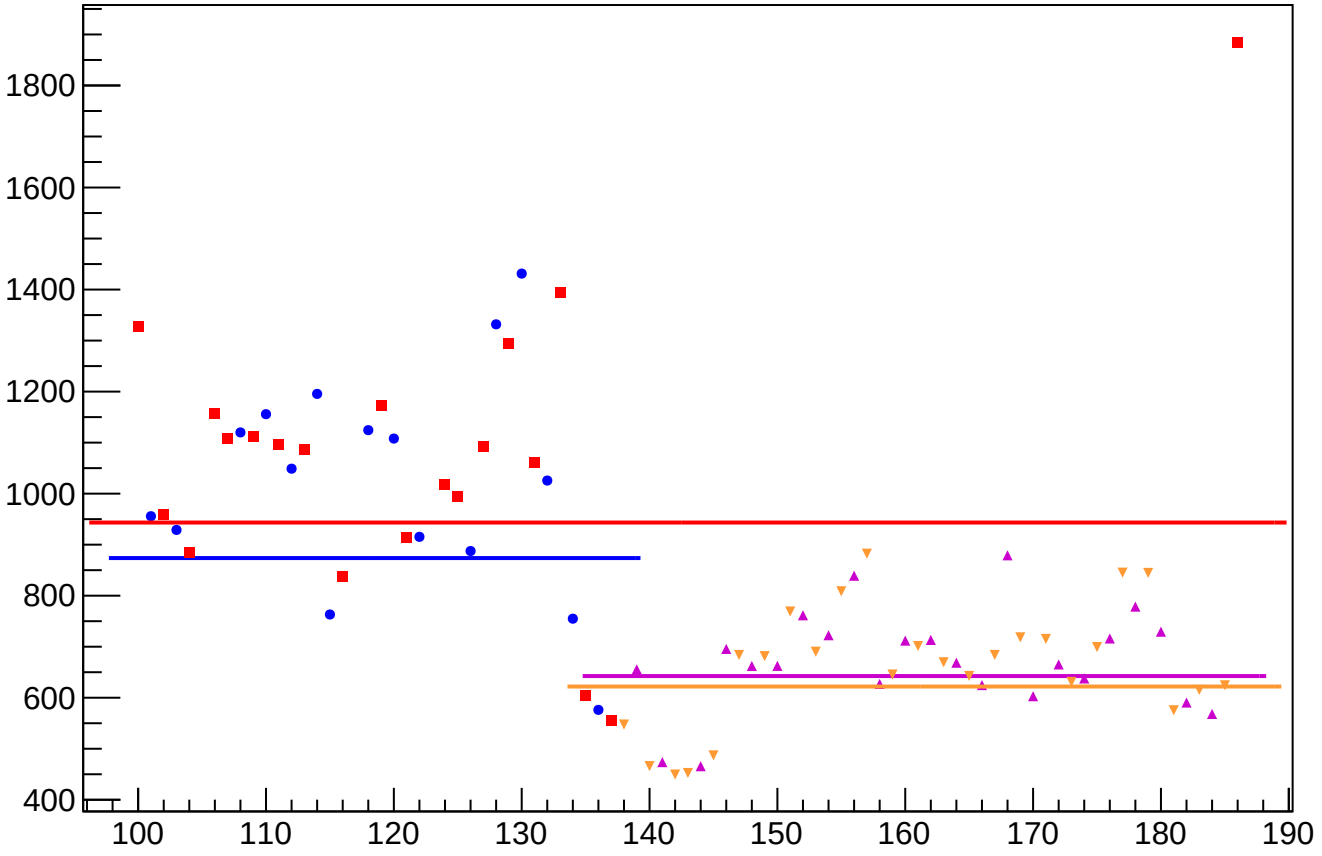
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 400.075+/-132.943 χ^2/NDF: 60.1/40

All: 263.752+/-96.360 χ^2/NDF: 106.2/83

- sign 112.859+/-139.867 χ^2/NDF: 43.9/42

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 943.365+/-0.250 χ^2/NDF: 1067124.7/19

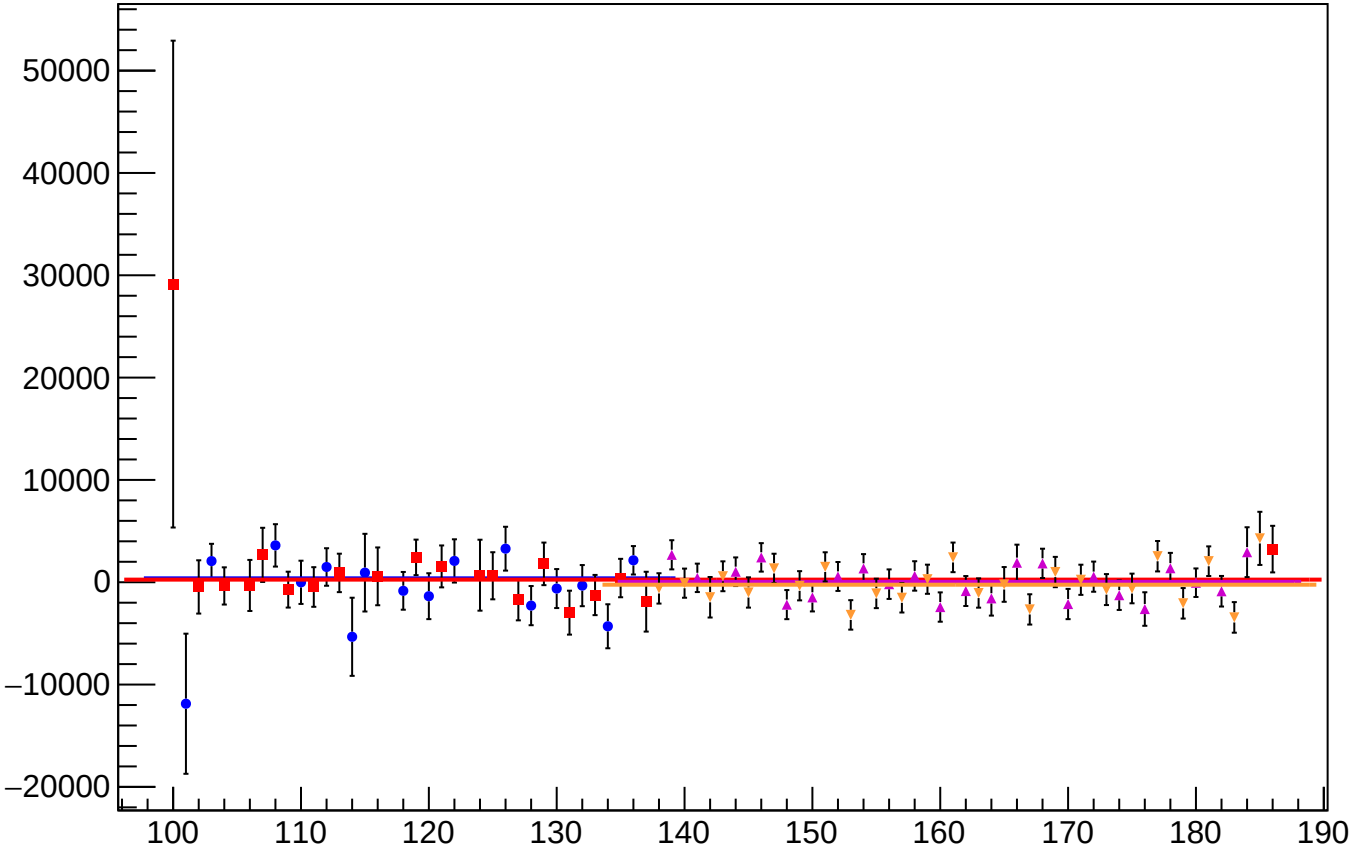
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 660.796+/-0.094 χ^2/NDF: 3334370.0/40

All: 674.516+/-0.068 χ^2/NDF: 6597565.8/83

- sign 689.701+/-0.099 χ^2/NDF: 3218319.6/42

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 255.705+/-490.873 χ^2/NDF: 11.8/19

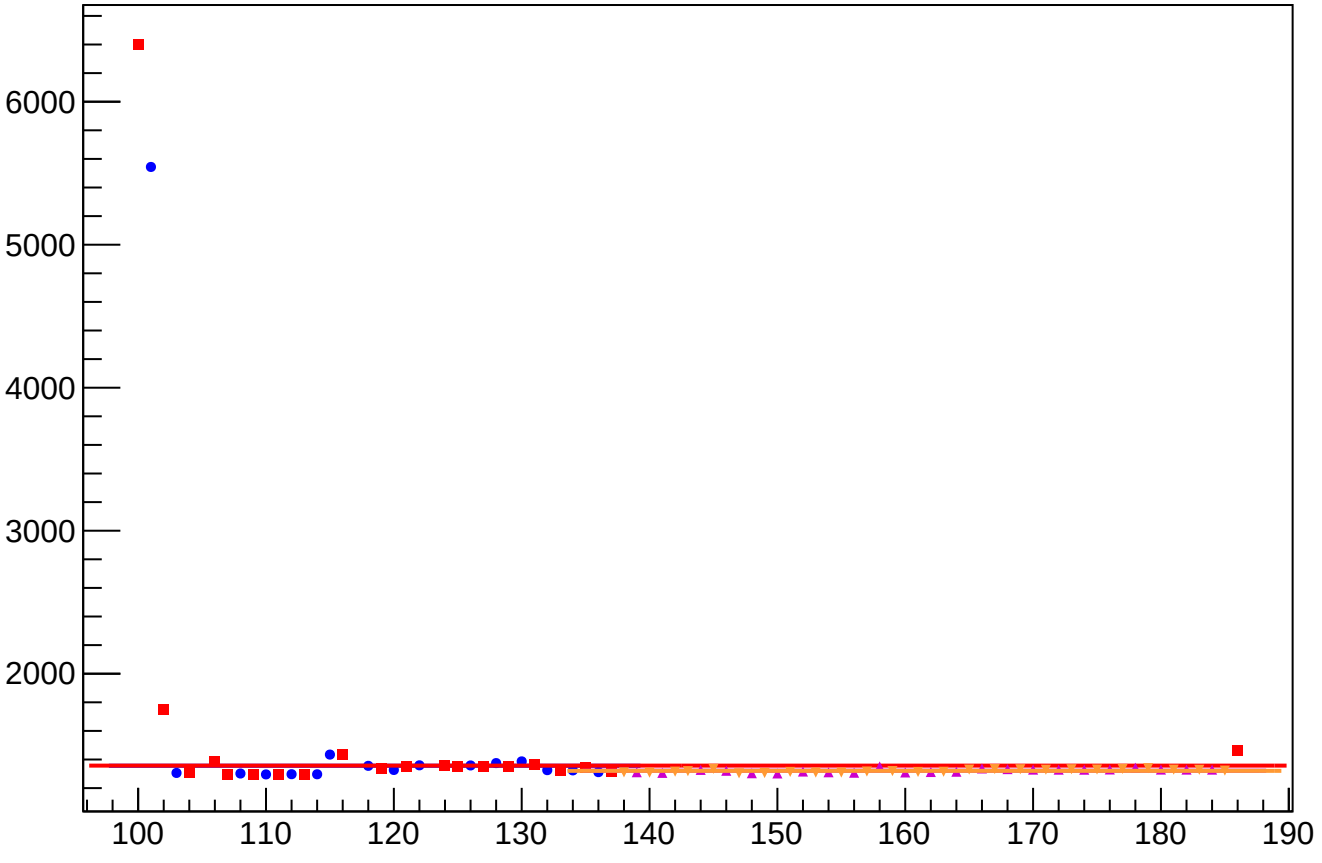
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -84.399+/-259.583 χ^2/NDF: 54.3/40

All: 7.466+/-184.148 χ^2/NDF: 93.6/83

- sign 100.531+/-261.273 χ^2/NDF: 39.1/42

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1357.310+/-0.347 χ^2/NDF: 151976.9/19

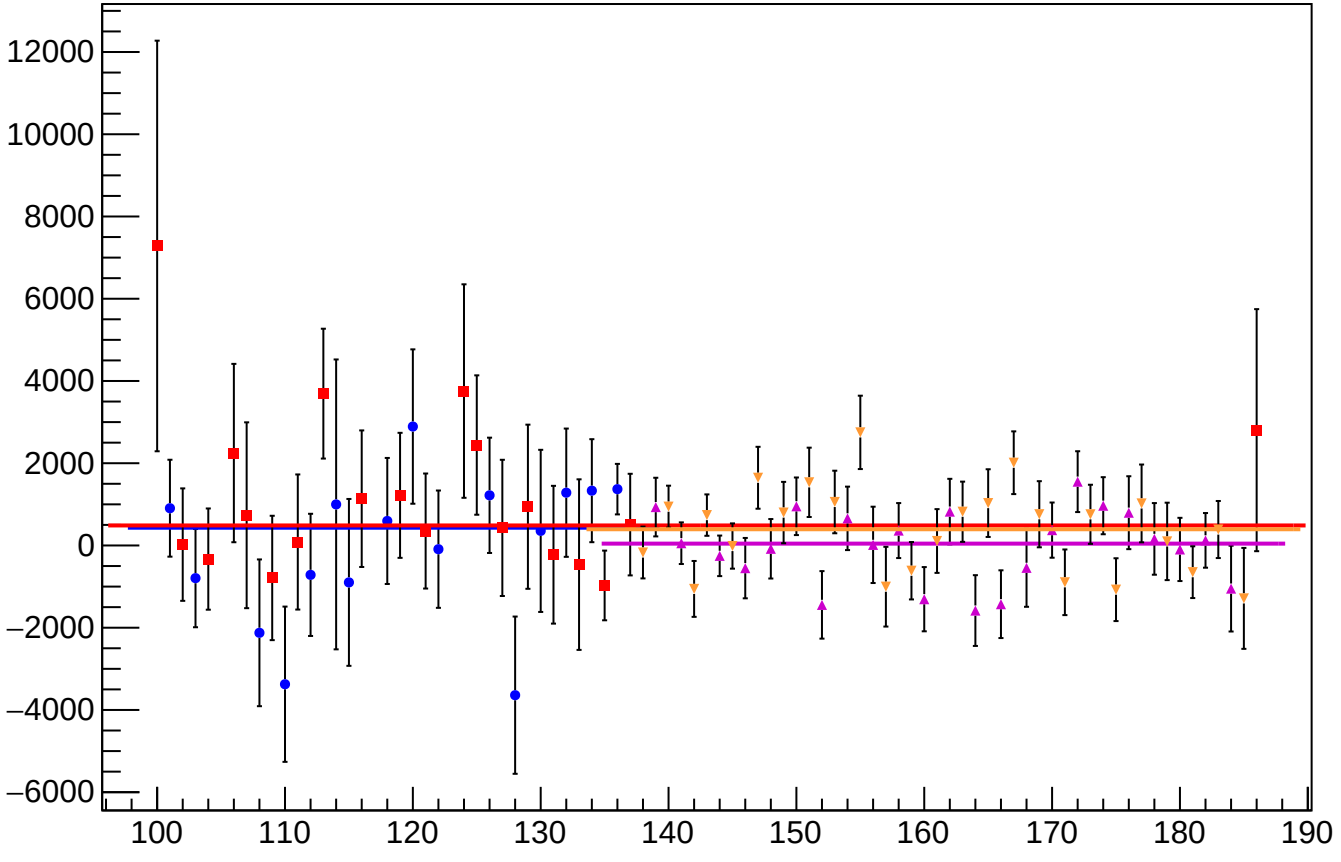
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.702+/-0.184 χ^2/NDF: 769968.3/40

All: 1330.768+/-0.130 χ^2/NDF: 933075.0/83

- sign 1331.848+/-0.185 χ^2/NDF: 163038.8/42

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 486.865+/-353.032 χ^2/NDF: 15.3/19

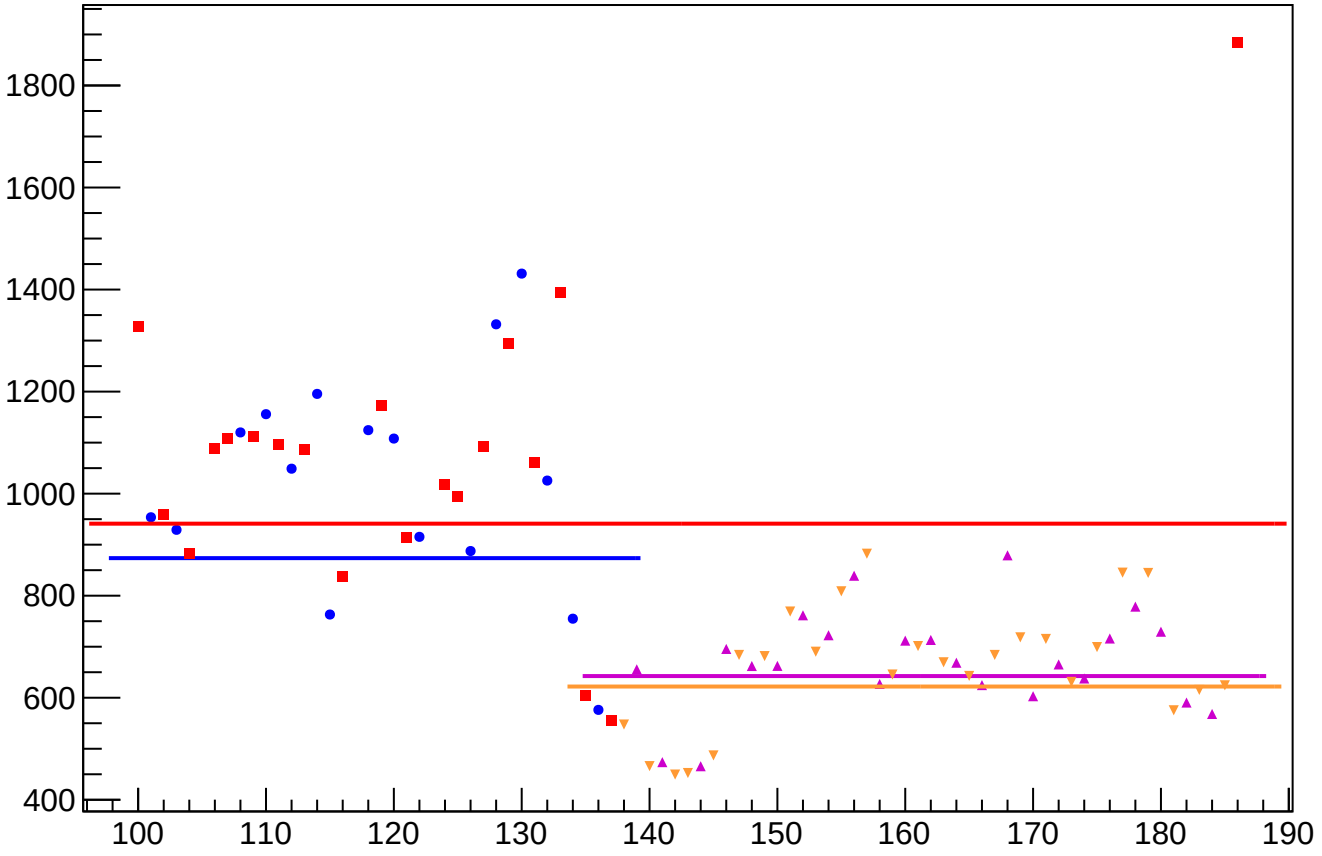
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 400.327+/-132.940 χ^2/NDF: 60.1/40

All: 264.504+/-96.358 χ^2/NDF: 106.5/83

- sign 114.160+/-139.866 χ^2/NDF: 44.2/42

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 941.168+/-0.250 χ^2/NDF: 1055538.6/19

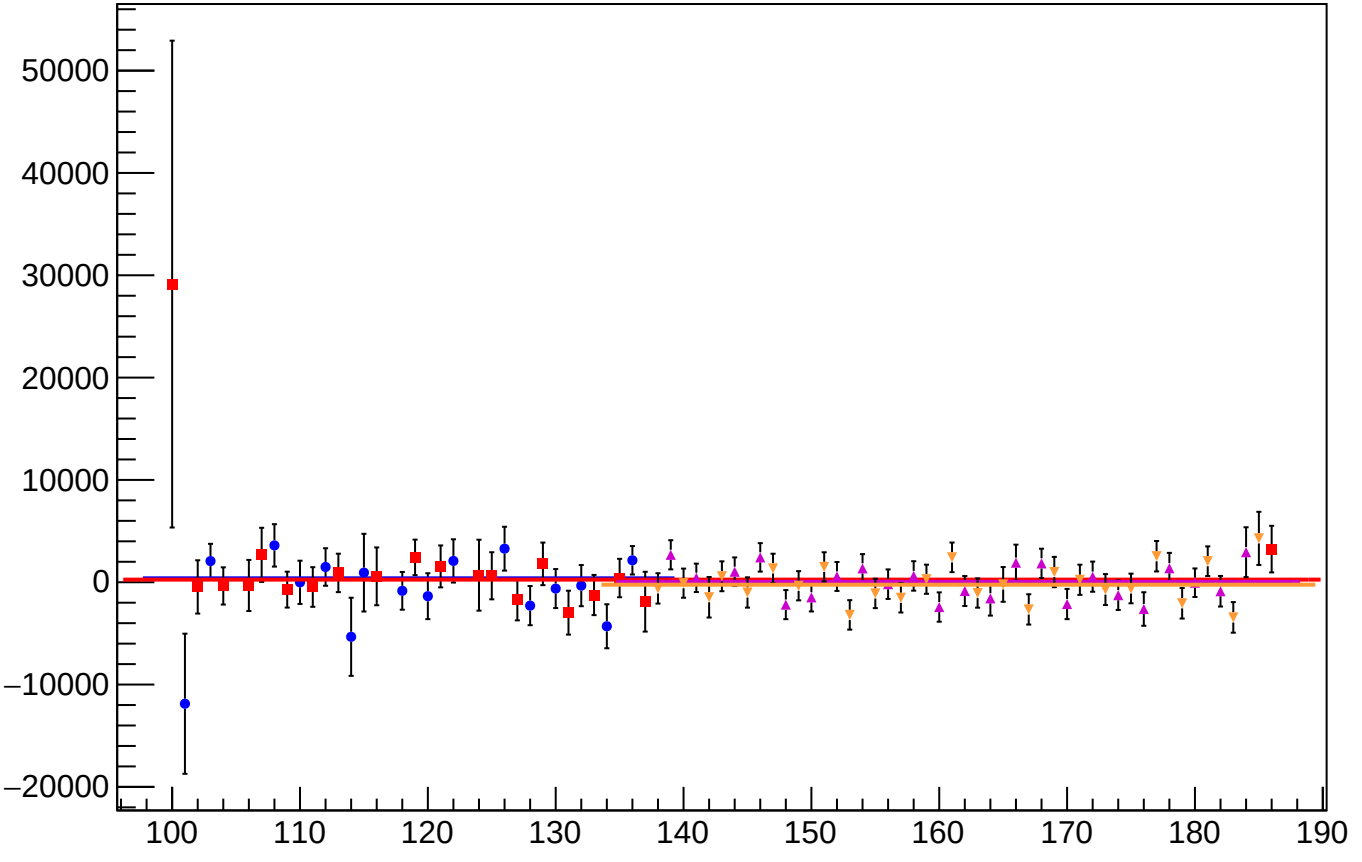
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 660.787+/-0.094 χ^2/NDF: 3333140.6/40

All: 674.344+/-0.068 χ^2/NDF: 6565933.9/83

- sign 689.351+/-0.099 χ^2/NDF: 3188971.3/42

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 255.705+/-490.873 χ^2/NDF: 11.8/19

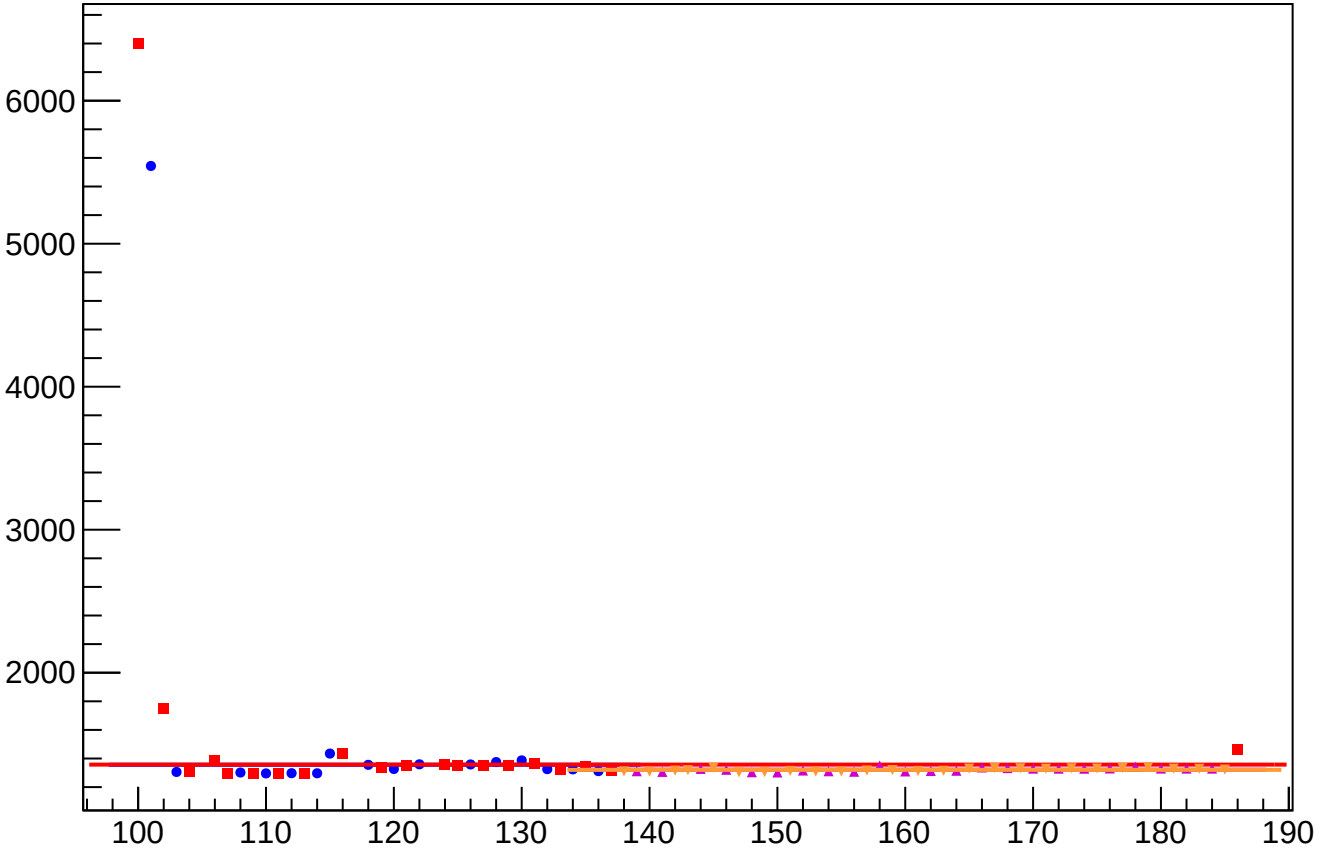
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -84.399+/-259.583 χ^2/NDF: 54.3/40

All: 7.466+/-184.148 χ^2/NDF: 93.6/83

- sign 100.531+/-261.273 χ^2/NDF: 39.1/42

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

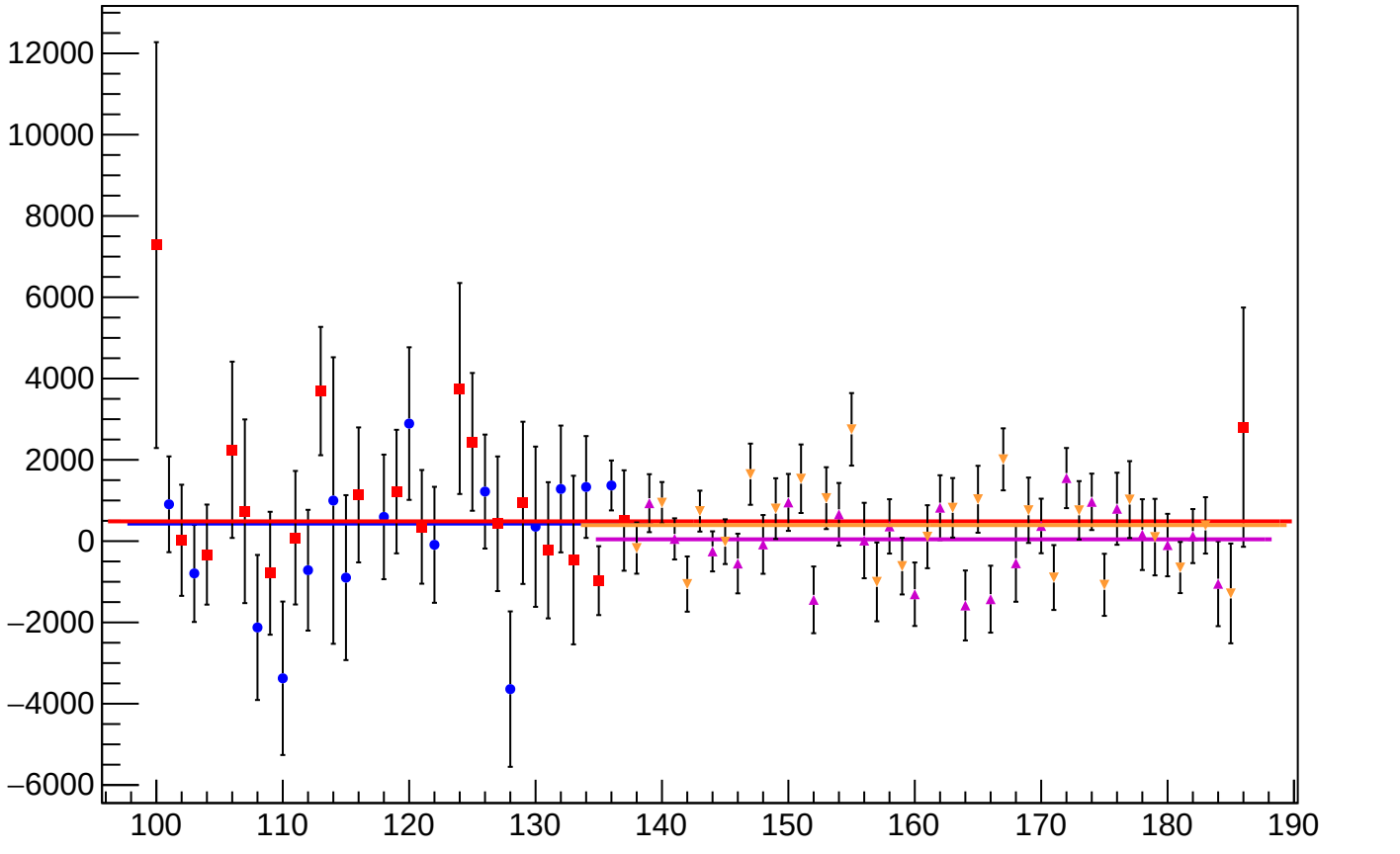
Right Out: 1357.310+/-0.347 χ^2/NDF: 151976.9/19

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.702+/-0.184 χ^2/NDF: 769968.3/40

All: 1330.768+/-0.130 χ^2/NDF: 933075.0/83

- sign 1331.848+/-0.185 χ^2/NDF: 163038.8/42



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

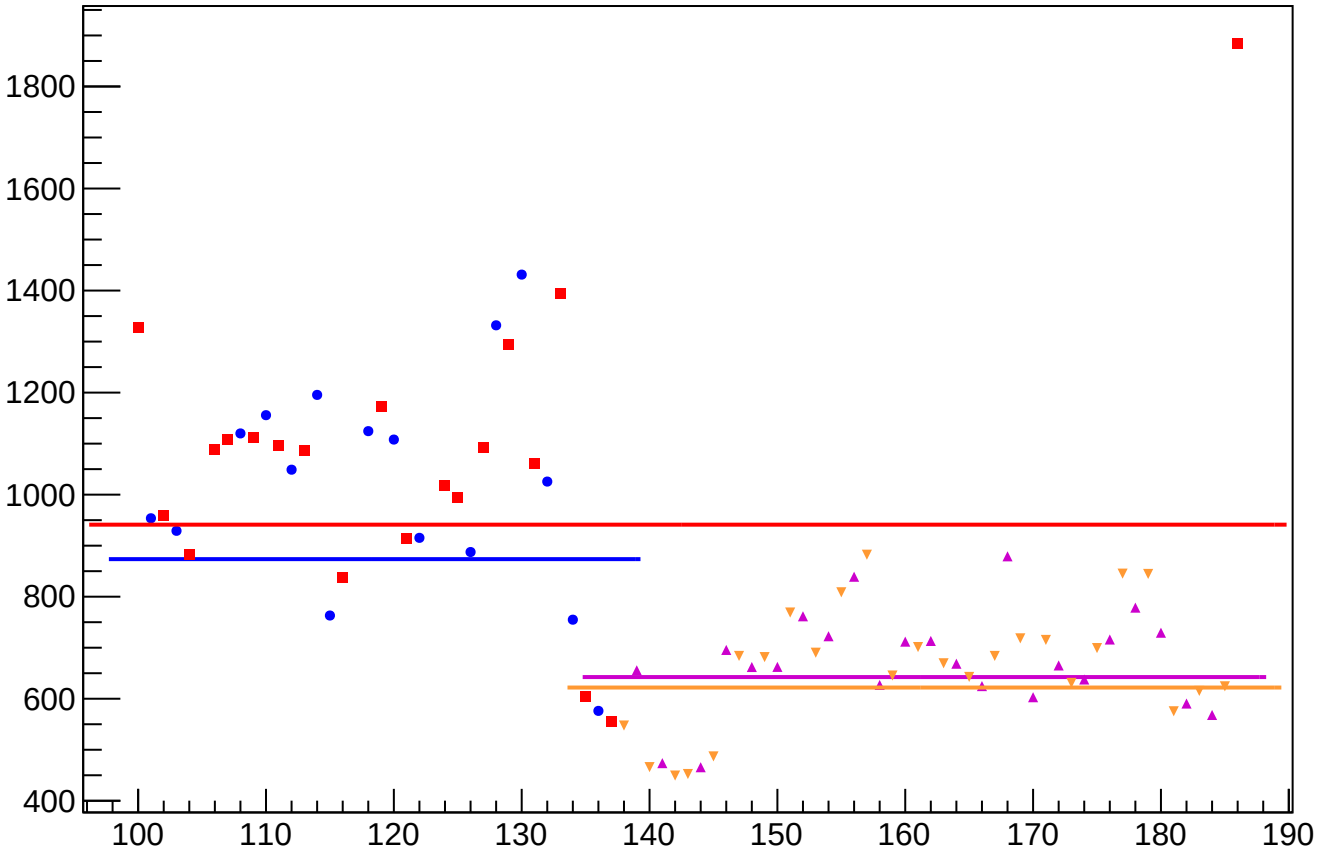
Right Out: 486.865+/-353.032 χ^2/NDF: 15.3/19

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 400.327+/-132.940 χ^2/NDF: 60.1/40

All: 264.504+/-96.358 χ^2/NDF: 106.5/83

- sign 114.160+/-139.866 χ^2/NDF: 44.2/42



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 941.168+/-0.250 χ^2/NDF: 1055538.6/19

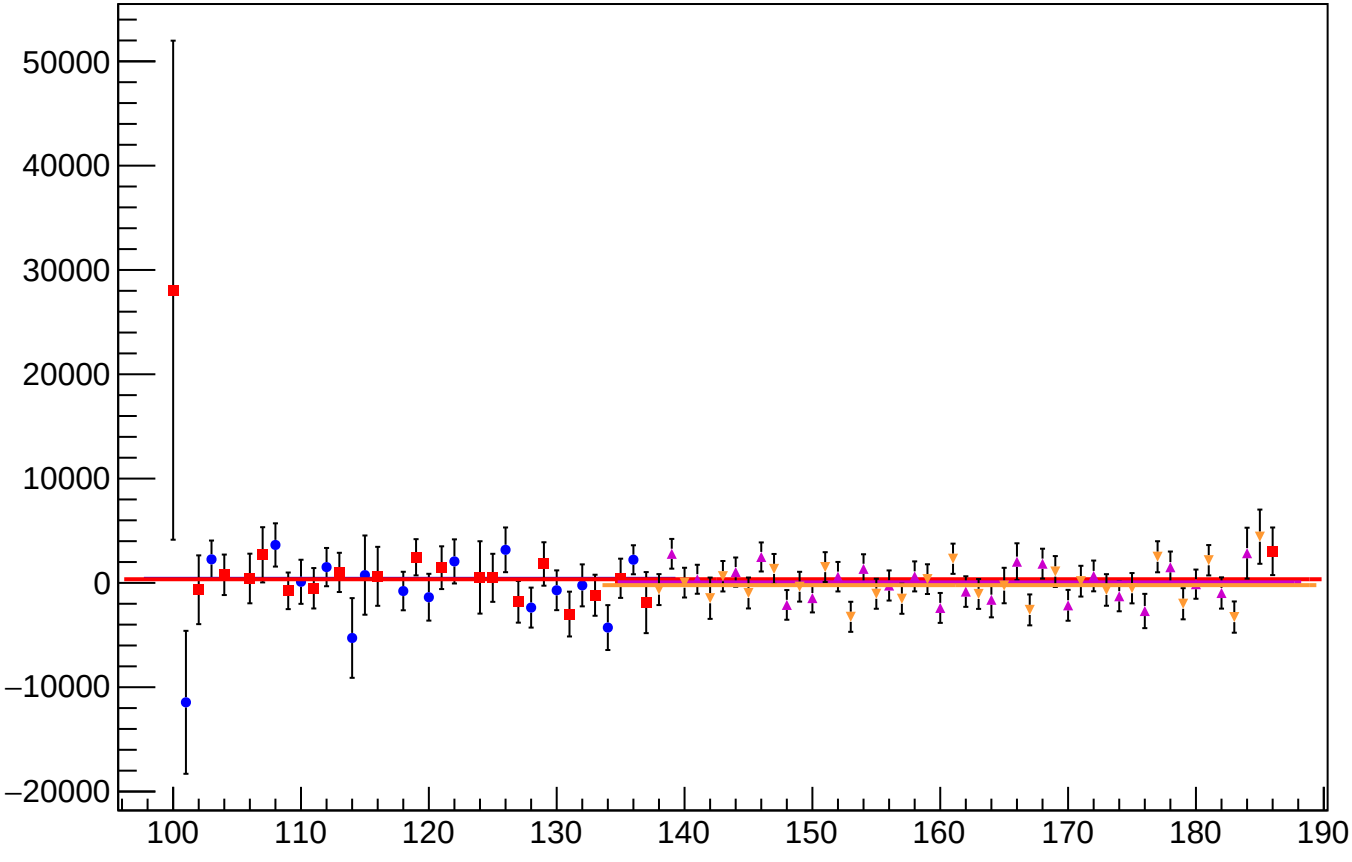
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 660.787+/-0.094 χ^2/NDF: 3333140.6/40

All: 674.344+/-0.068 χ^2/NDF: 6565933.9/83

- sign 689.351+/-0.099 χ^2/NDF: 3188971.3/42

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 350.876+/-495.798 χ^2/NDF: 11.4/19

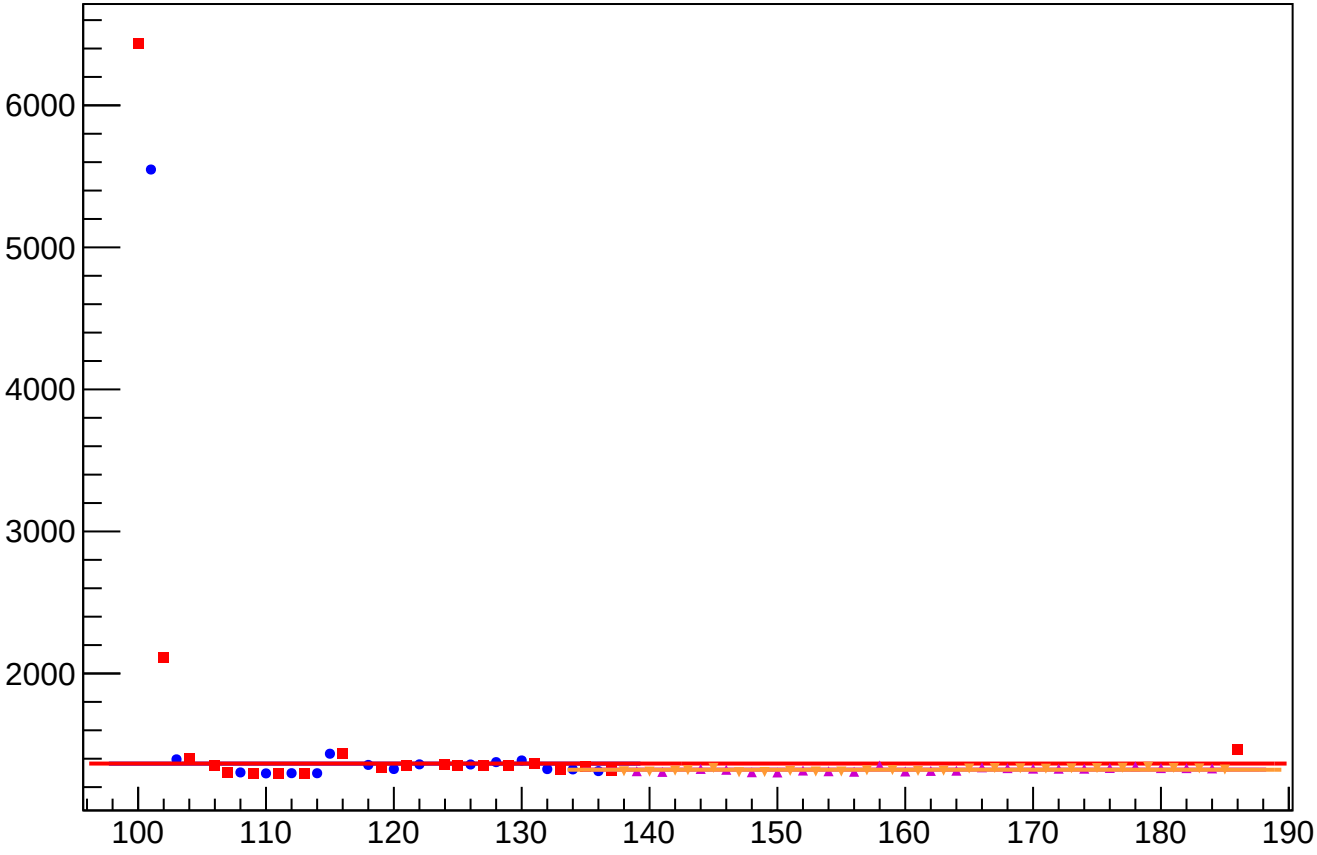
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -64.174+/-260.247 χ^2/NDF: 53.7/40

All: 34.331+/-184.720 χ^2/NDF: 93.5/83

- sign 134.343+/-262.231 χ^2/NDF: 39.5/42

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1365.841+/-0.351 χ^2/NDF: 209539.3/19

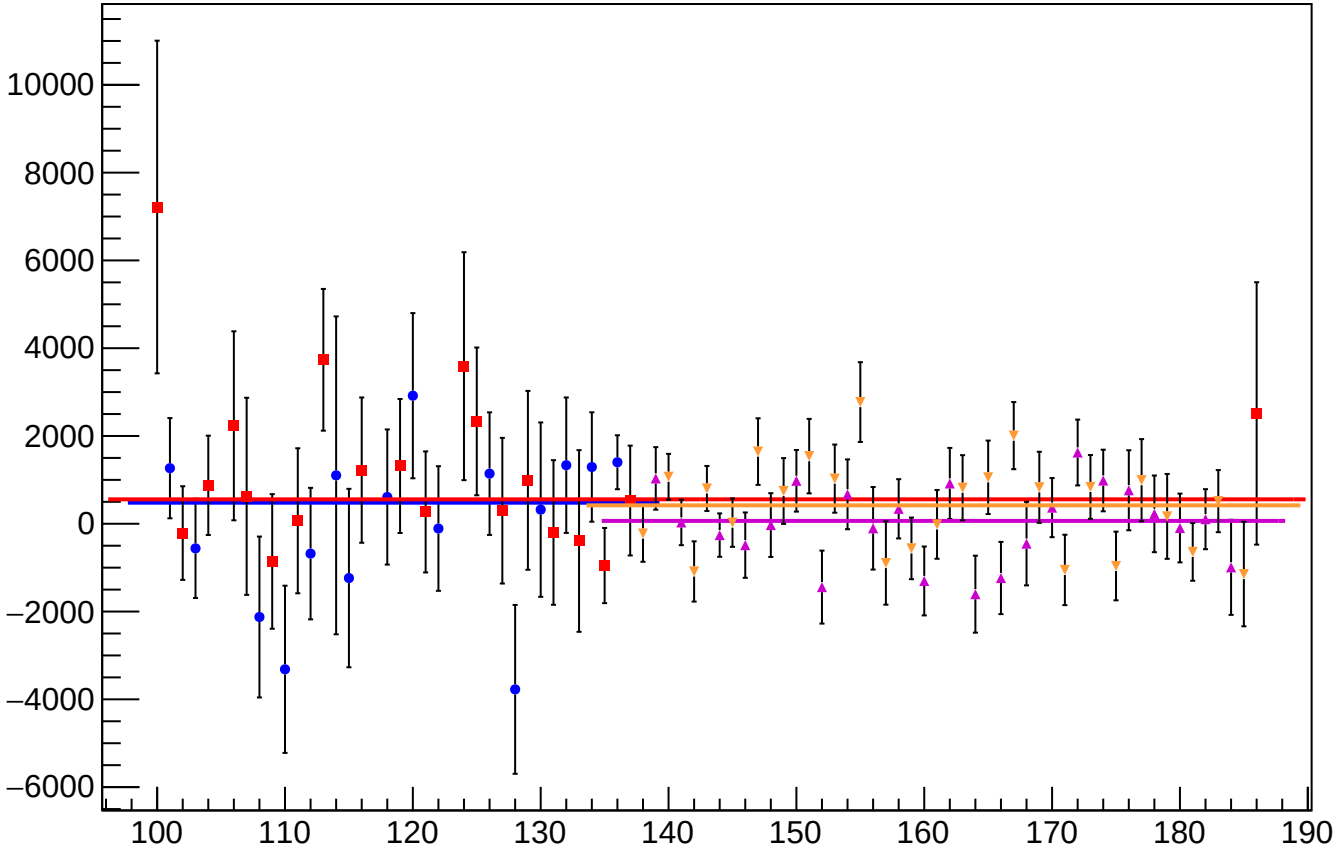
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.075+/-0.184 χ^2/NDF: 772065.0/40

All: 1334.143+/-0.131 χ^2/NDF: 996115.4/83

- sign 1335.228+/-0.185 χ^2/NDF: 223982.5/42

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 556.763+/-343.808 χ^2/NDF: 16.1/19

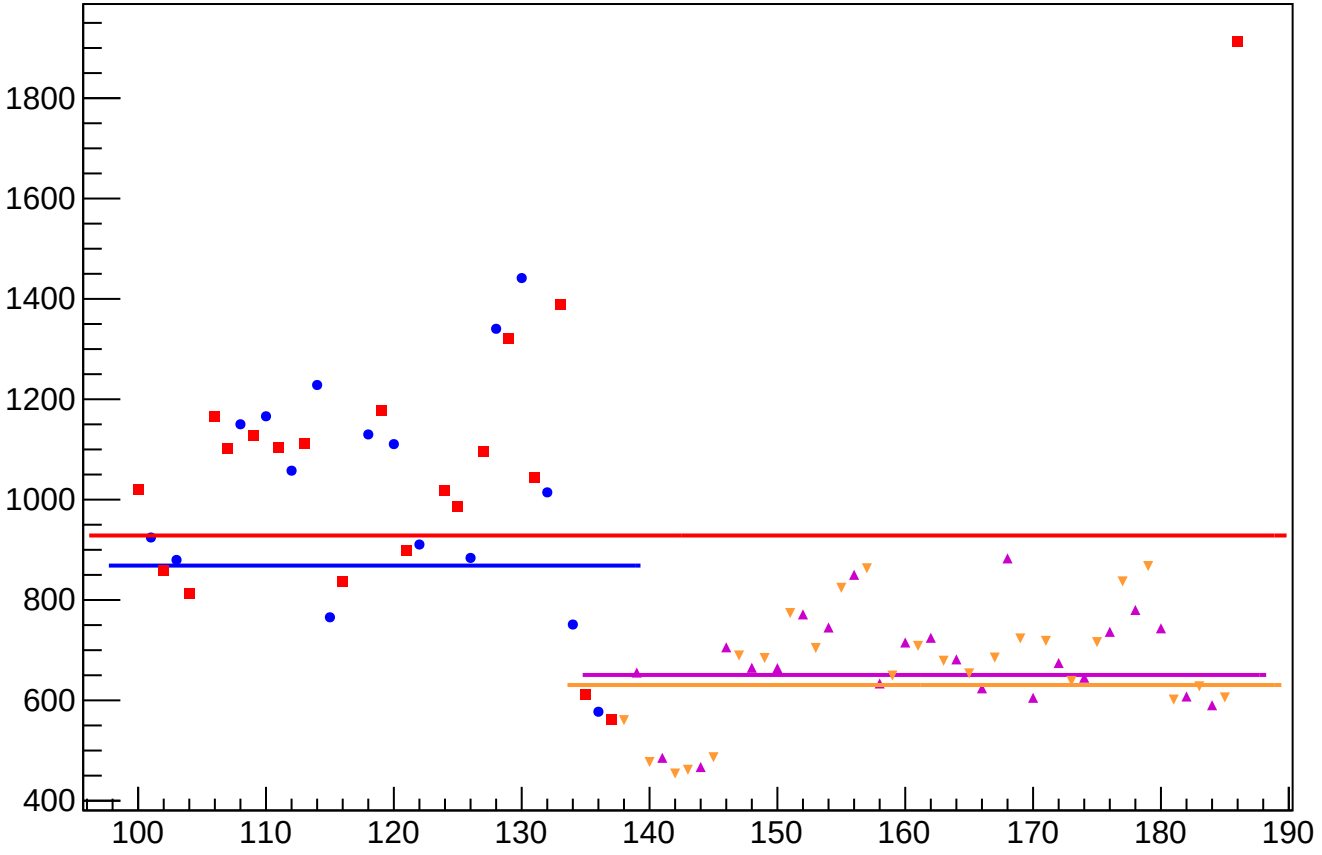
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 429.531+/-134.274 χ^2/NDF: 60.2/40

All: 295.221+/-97.143 χ^2/NDF: 107.1/83

- sign 147.715+/-140.715 χ^2/NDF: 44.8/42

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 928.549+/-0.243 χ^2/NDF: 1078471.3/19

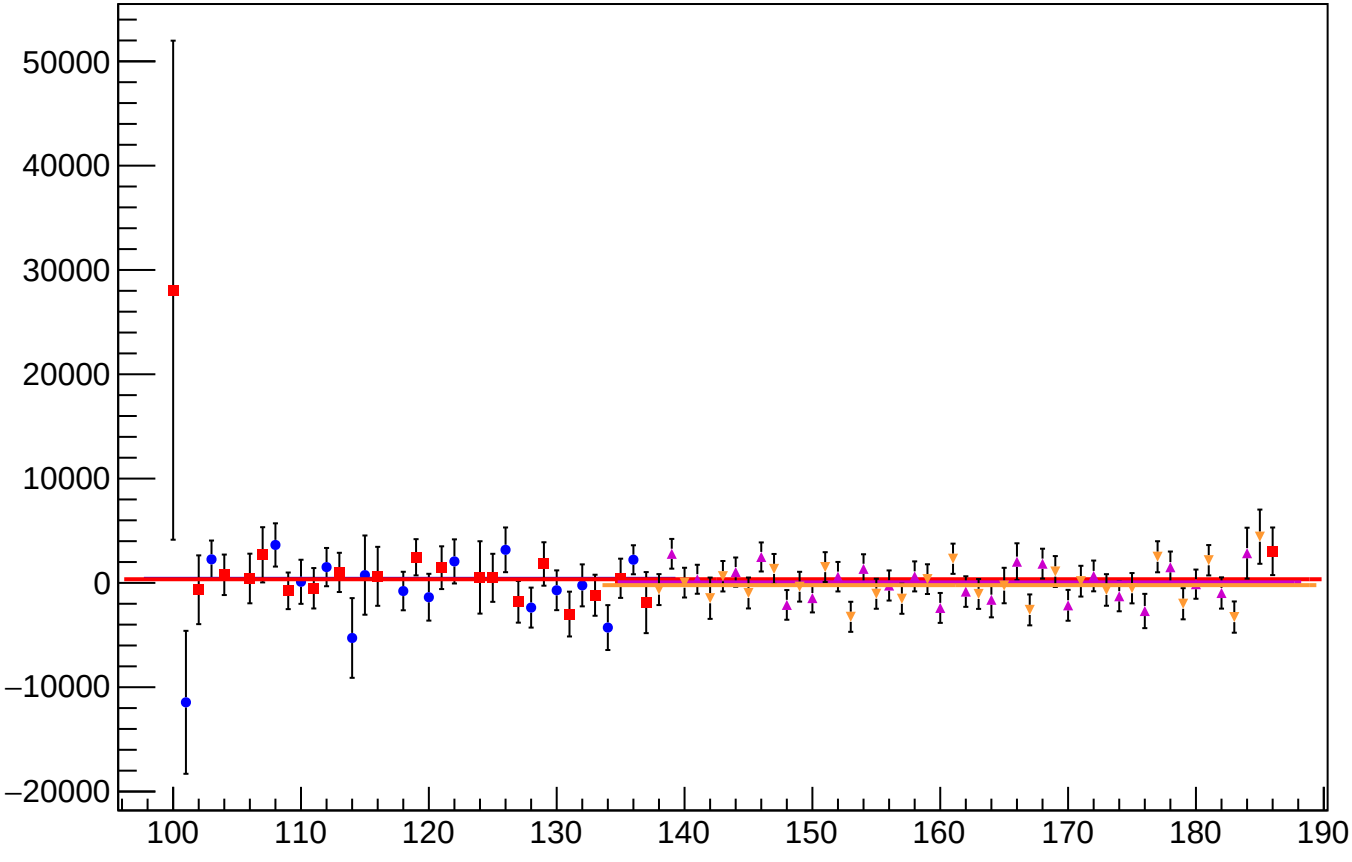
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 668.480+/-0.095 χ^2/NDF: 3190894.4/40

All: 682.163+/-0.069 χ^2/NDF: 6322925.6/83

- sign 697.191+/-0.100 χ^2/NDF: 3088451.1/42

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 350.873+/-495.798 χ^2/NDF: 11.4/19

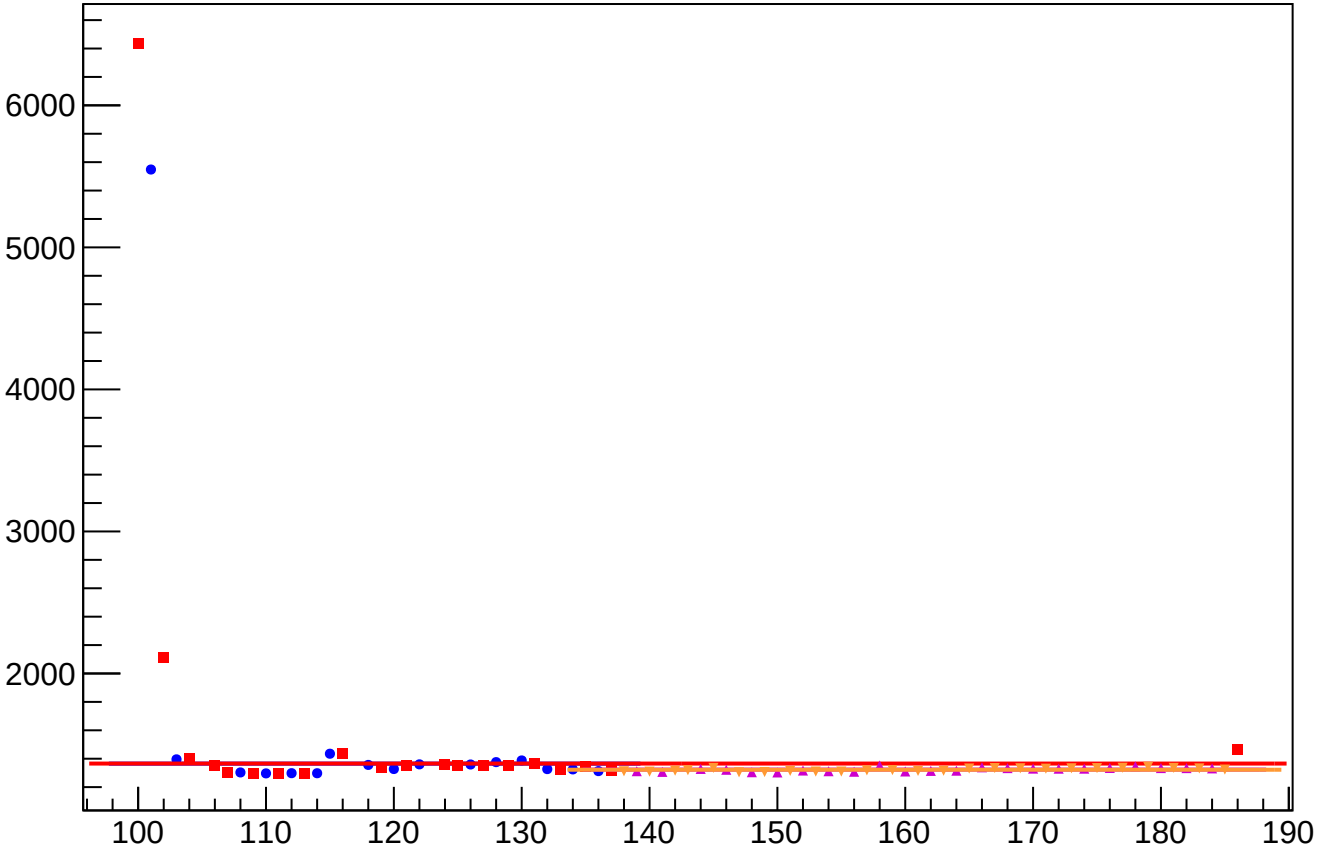
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -64.175+/-260.247 χ^2/NDF: 53.7/40

All: 34.330+/-184.720 χ^2/NDF: 93.5/83

- sign 134.343+/-262.231 χ^2/NDF: 39.5/42

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

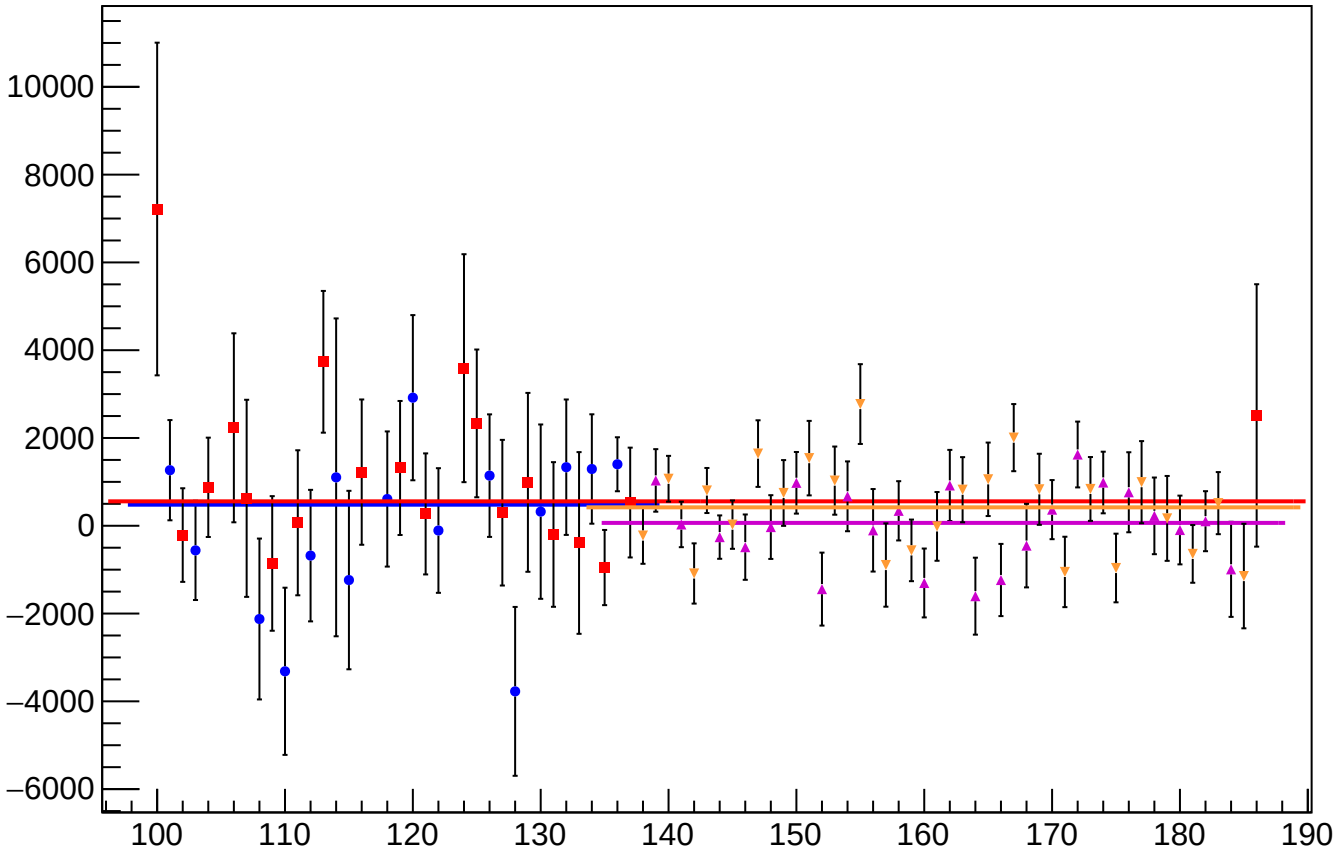
Right Out: 1365.841+/-0.351 χ^2/NDF: 209539.3/19

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.075+/-0.184 χ^2/NDF: 772065.0/40

All: 1334.143+/-0.131 χ^2/NDF: 996115.4/83

- sign 1335.227+/-0.185 χ^2/NDF: 223982.5/42



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

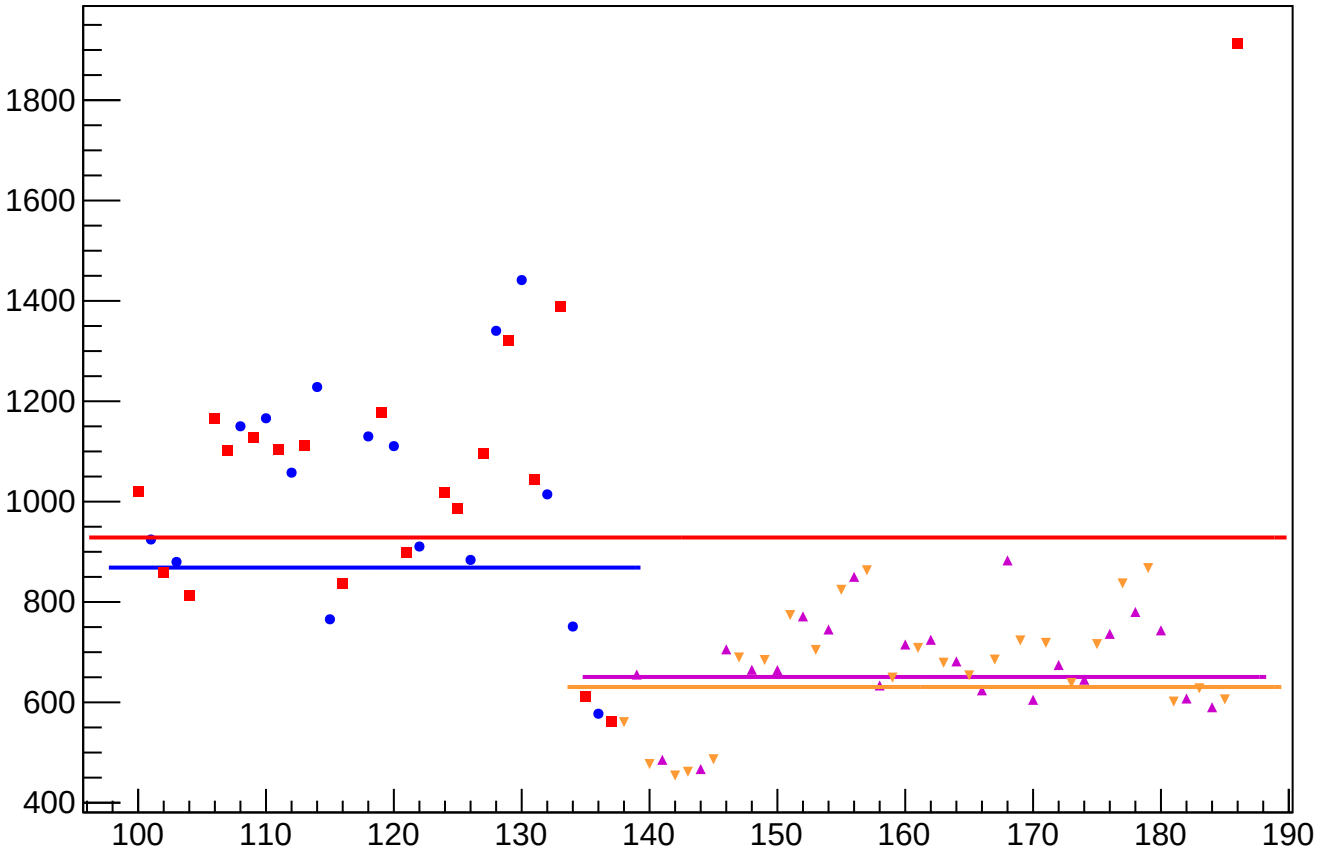
Right Out: 556.762+/-343.807 χ^2/NDF: 16.1/19

Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 429.531+/-134.274 χ^2/NDF: 60.2/40

All: 295.221+/-97.144 χ^2/NDF: 107.1/83

- sign 147.715+/-140.716 χ^2/NDF: 44.8/42



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 928.547+/-0.243 χ^2/NDF: 1078471.1/19

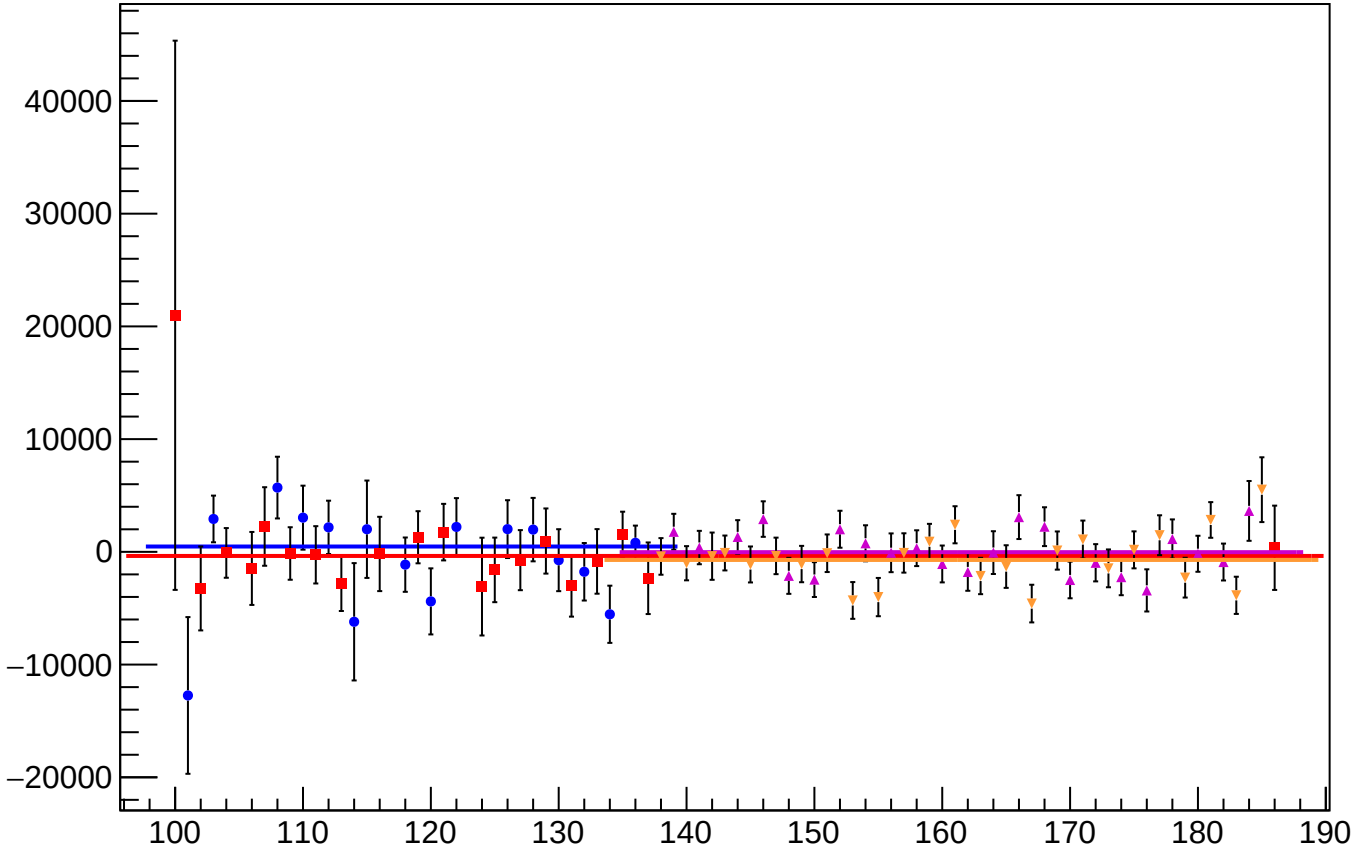
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 668.480+/-0.095 χ^2/NDF: 3190895.4/40

All: 682.164+/-0.069 χ^2/NDF: 6322917.6/83

- sign 697.192+/-0.100 χ^2/NDF: 3088440.6/42

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -363.429+/-632.735 χ^2/NDF: 7.3/19

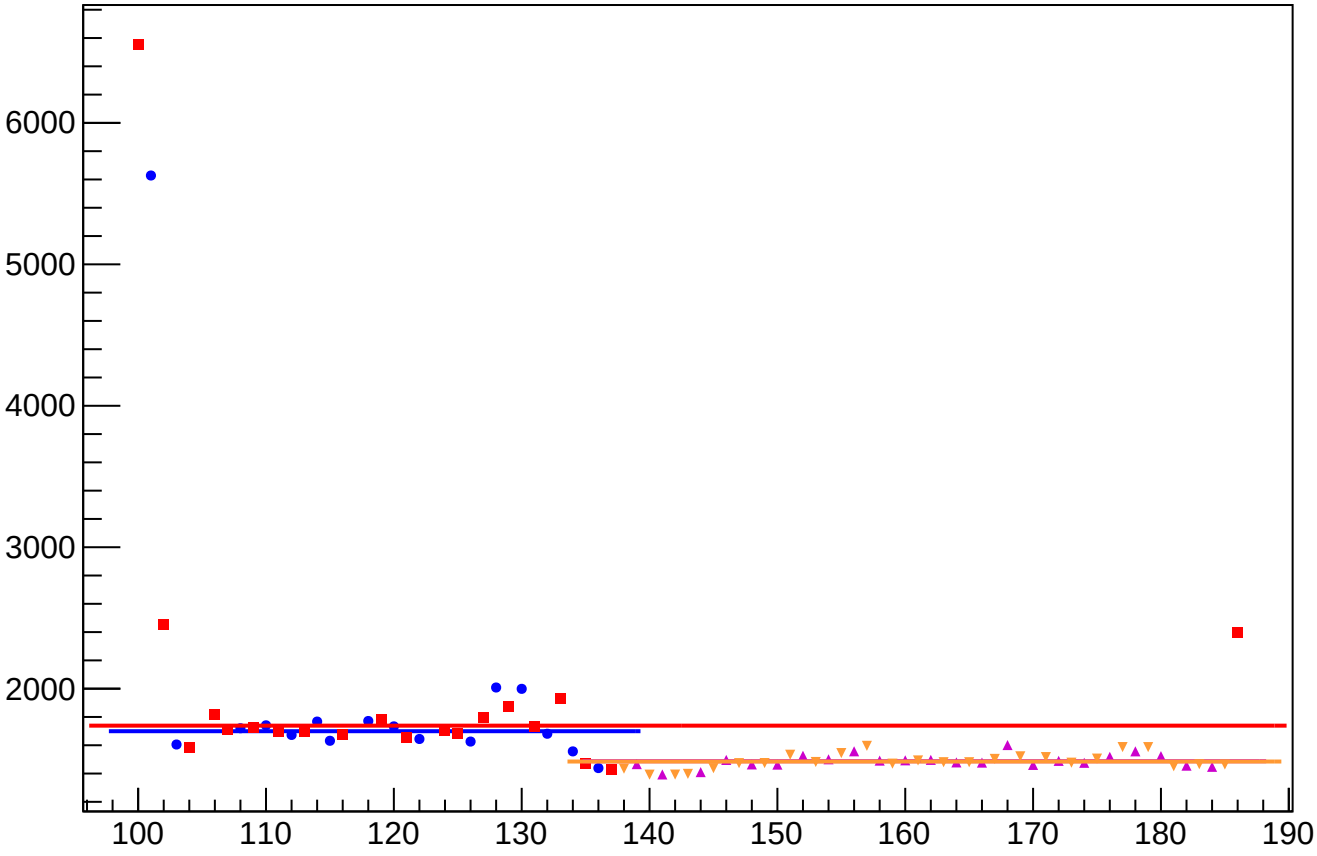
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -464.658+/-299.510 χ^2/NDF: 63.1/40

All: -287.978+/-213.538 χ^2/NDF: 99.3/83

- sign -105.326+/-304.530 χ^2/NDF: 35.5/42

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1738.599+/-0.447 χ^2/NDF: 298164.1/19

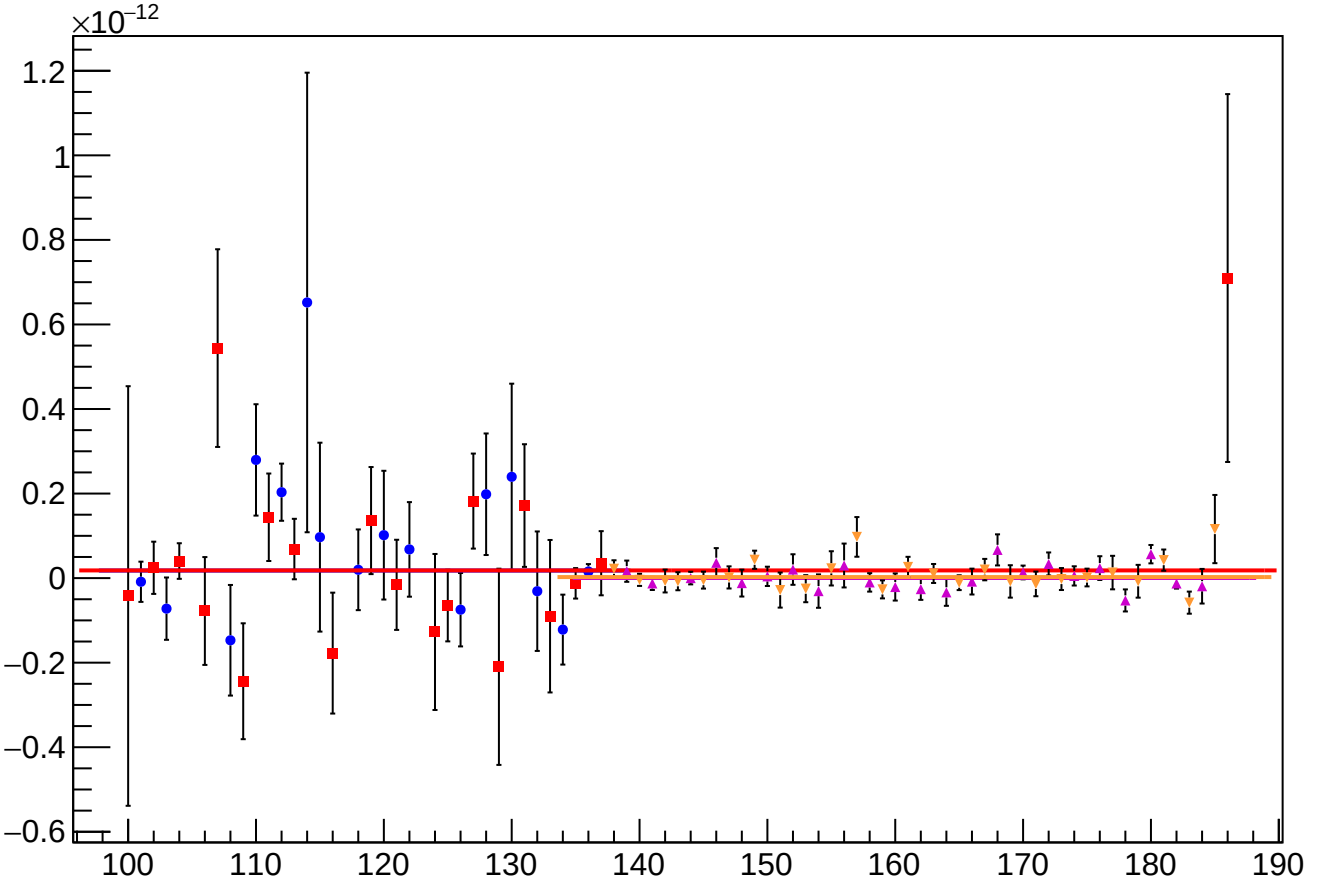
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1530.582+/-0.212 χ^2/NDF: 984642.0/40

All: 1537.852+/-0.151 χ^2/NDF: 1562782.9/83

- 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: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/19

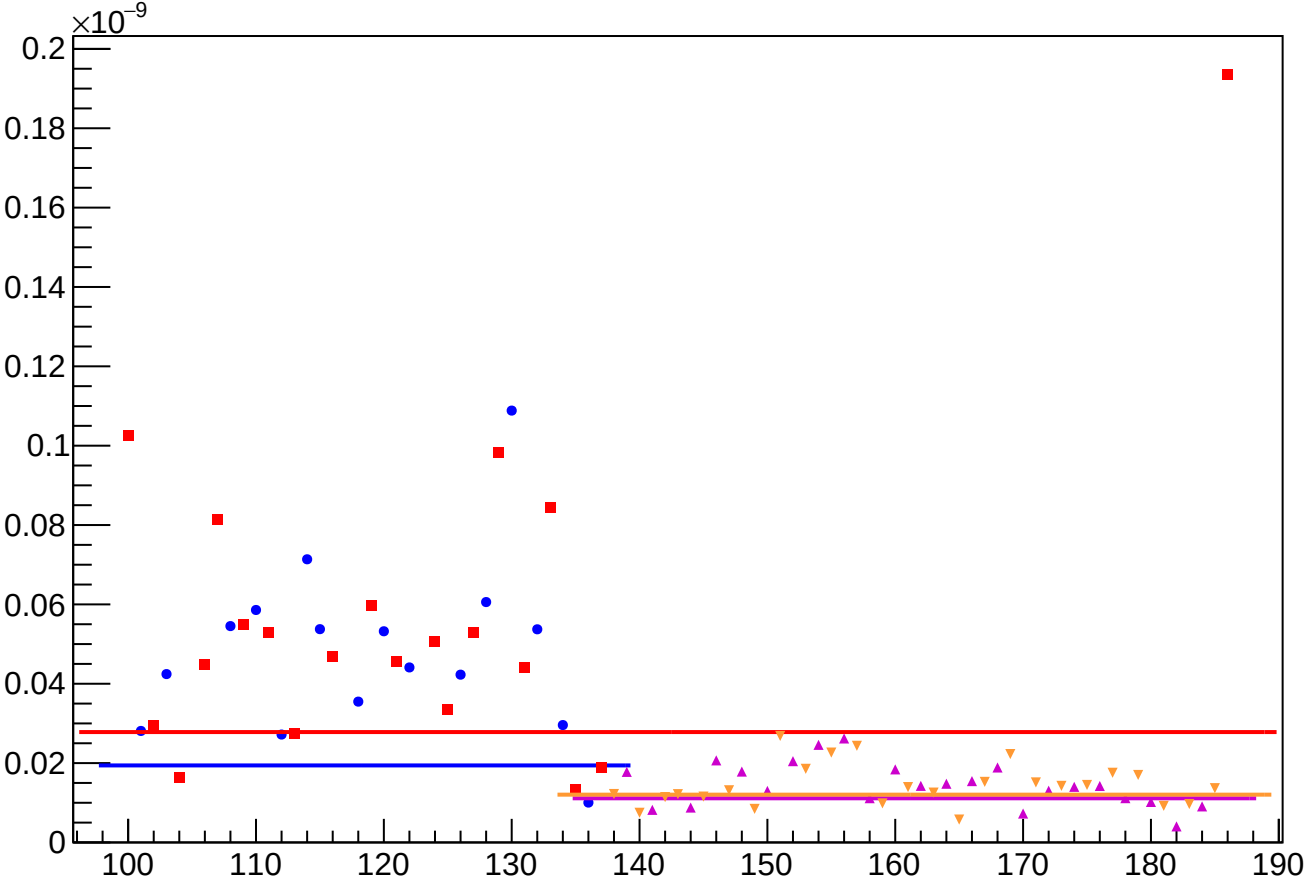
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.0/40

All: 0.000+/-0.000 χ^2/NDF: 99.8/83

- 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: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

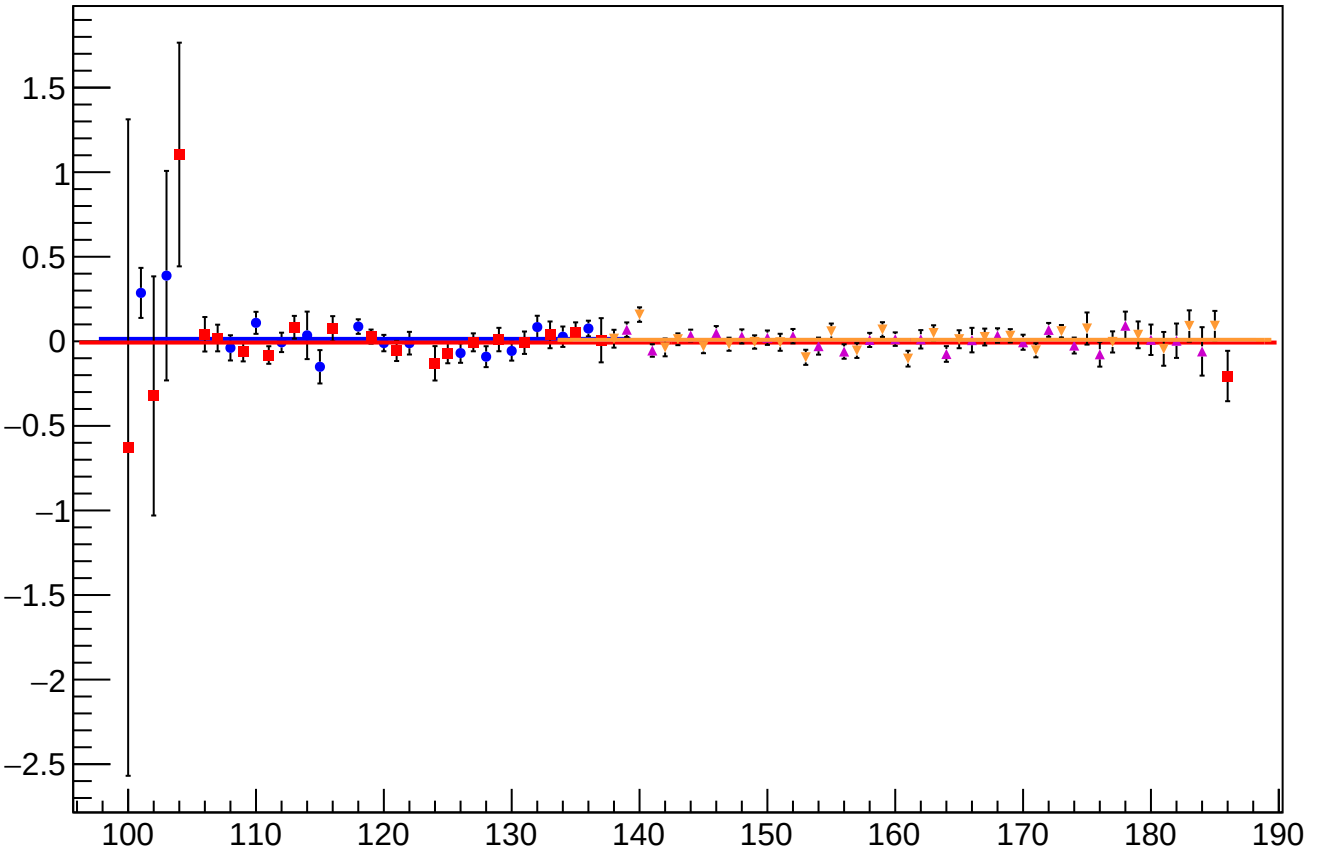
Right Out: 0.000+/-0.000 χ^2/NDF: 1940540.7/19

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4264229.3/40

All: 0.000+/-0.000 χ^2/NDF: 9873364.7/83

- sign 0.000+/-0.000 χ^2/NDF: 5587352.7/42



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.007+/-0.016 χ^2/NDF: 16.7/19

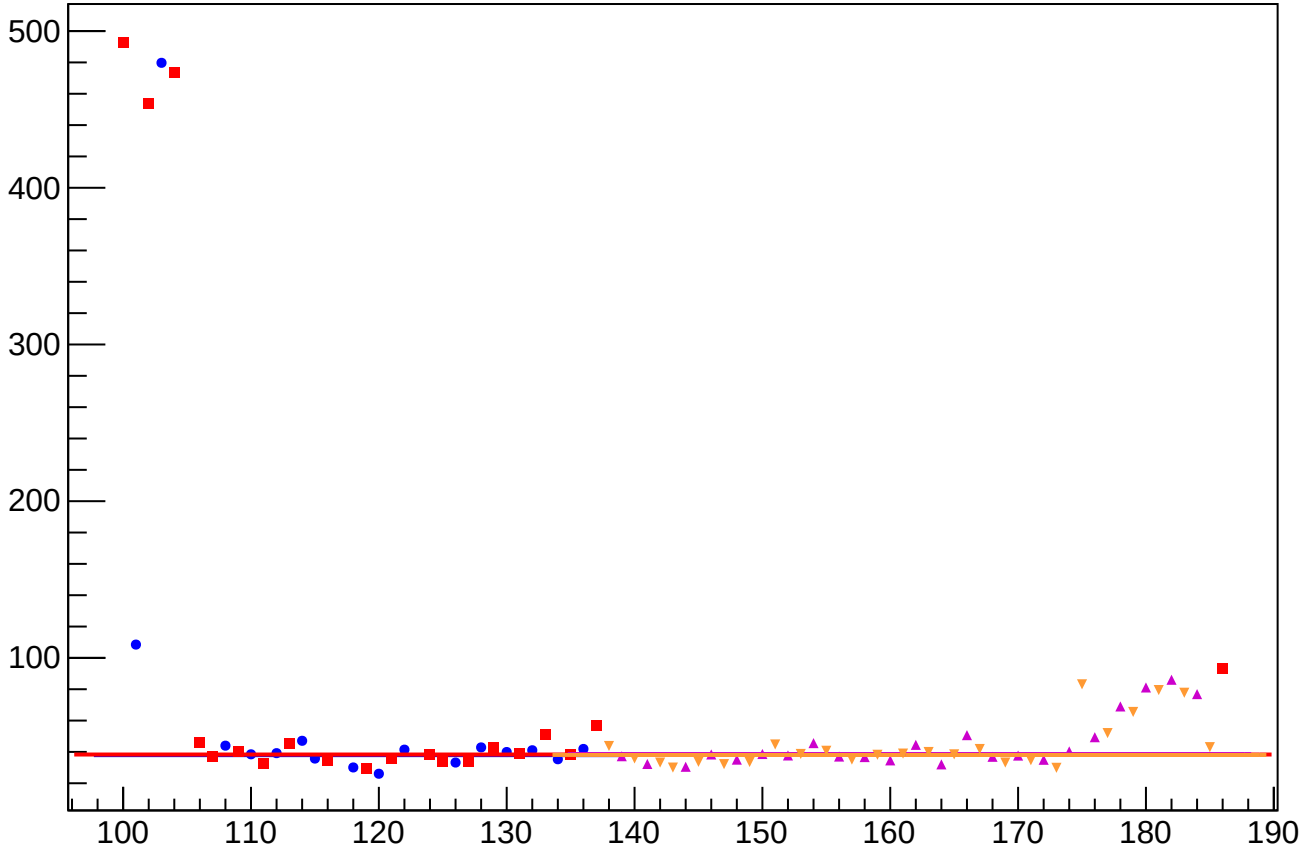
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.010+/-0.008 χ^2/NDF: 60.7/40

All: 0.007+/-0.006 χ^2/NDF: 97.2/83

- sign 0.004+/-0.008 χ^2/NDF: 36.2/42

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

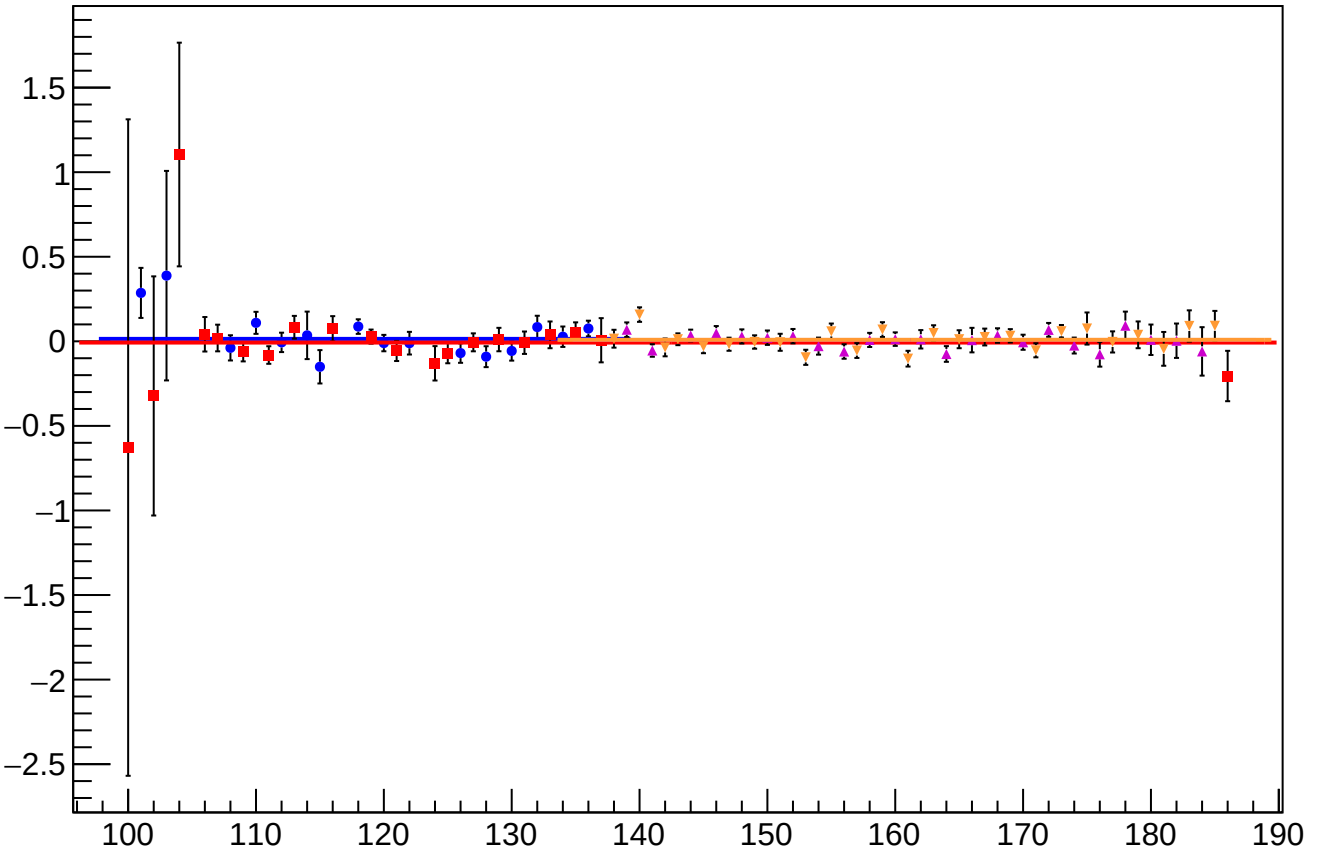
Right Out: 38.336+/-0.011 χ^2/NDF: 2222067.2/19

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 38.034+/-0.006 χ^2/NDF: 3706875.3/40

All: 38.284+/-0.004 χ^2/NDF: 7660917.1/83

- sign 38.548+/-0.006 χ^2/NDF: 3950222.1/42



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.007+/-0.016 χ^2/NDF: 16.7/19

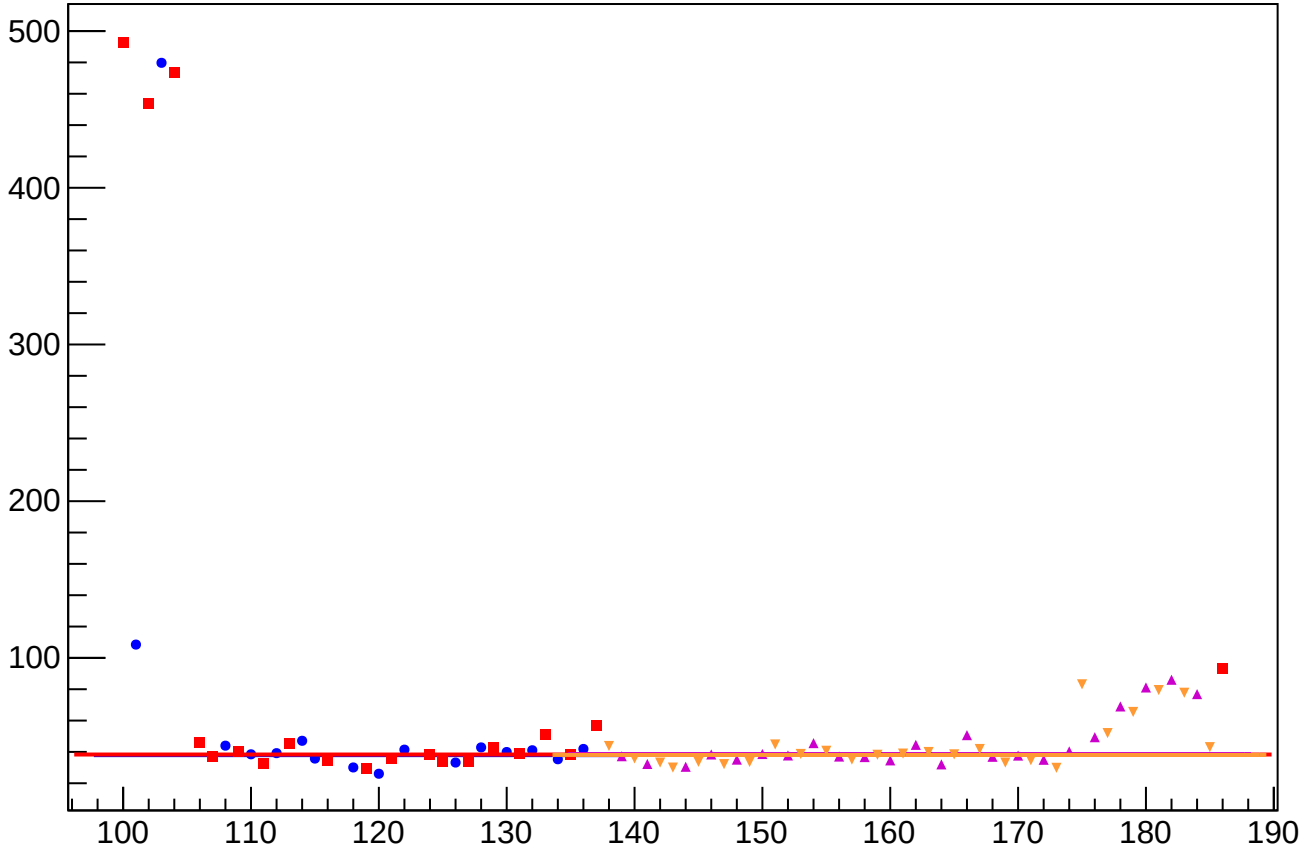
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.010+/-0.008 χ^2/NDF: 60.7/40

All: 0.007+/-0.006 χ^2/NDF: 97.2/83

- 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: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

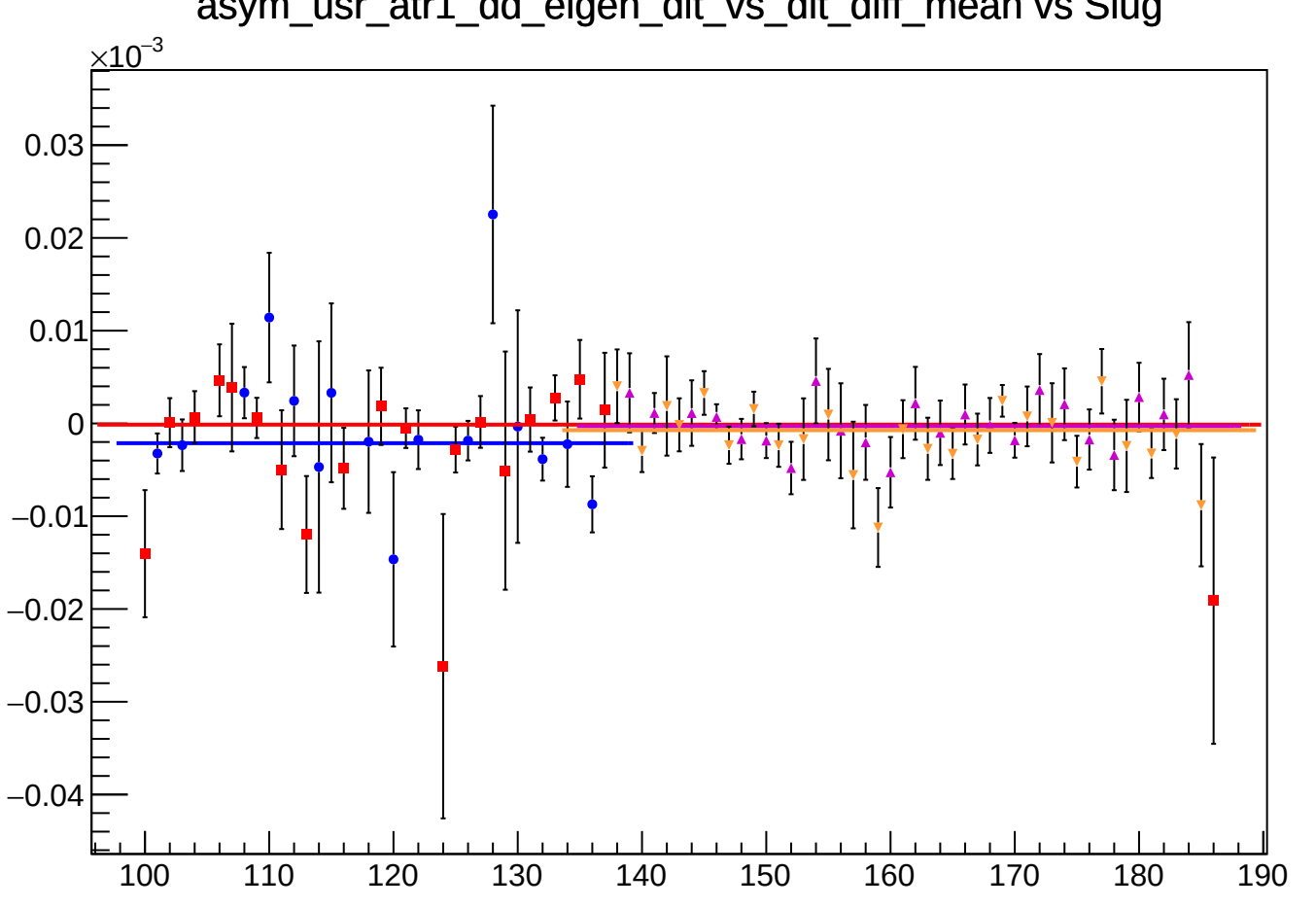
Right Out: 38.336+/-0.011 χ^2/NDF: 2222067.2/19

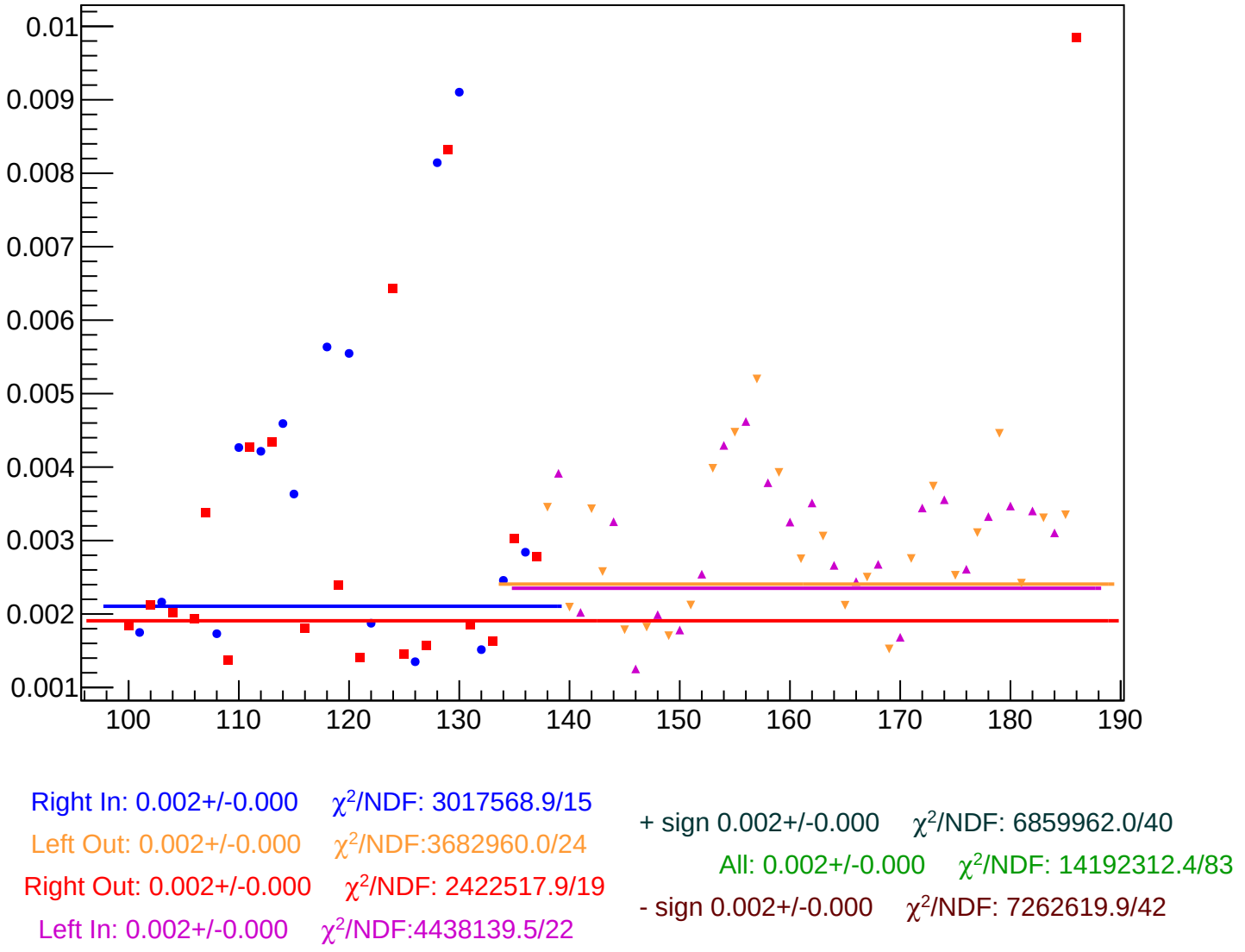
Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

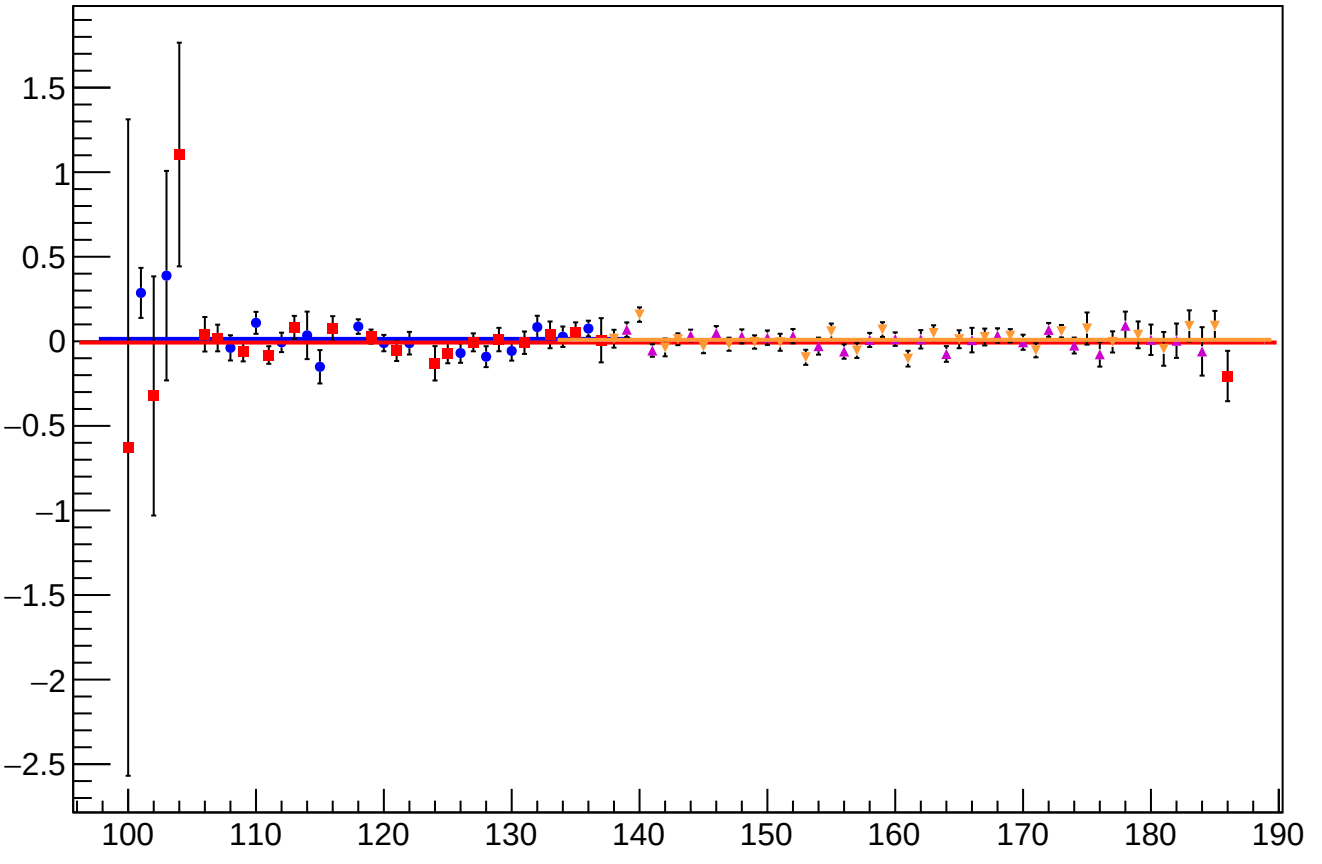
\+ sign 38.034+/-0.006 χ^2/NDF: 3706875.3/40

All: 38.284+/-0.004 χ^2/NDF: 7660917.1/83

\- sign 38.548+/-0.006 χ^2/NDF: 3950222.1/42


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 20.4/15
Left Out: -0.000+/-0.000 χ²/NDF:26.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 19.9/19
Left In: -0.000+/-0.000 χ²/NDF:13.8/22
+ sign -0.000+/-0.000 χ²/NDF: 48.7/40
All: -0.000+/-0.000 χ²/NDF: 84.1/83
- sign -0.000+/-0.000 χ²/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: 3017568.9/15
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: 6859962.0/40
All: 0.002+/-0.000 χ²/NDF: 14192312.4/83
- sign 0.002+/-0.000 χ²/NDF: 7262619.9/42



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.007+/-0.016 χ^2/NDF: 16.7/19

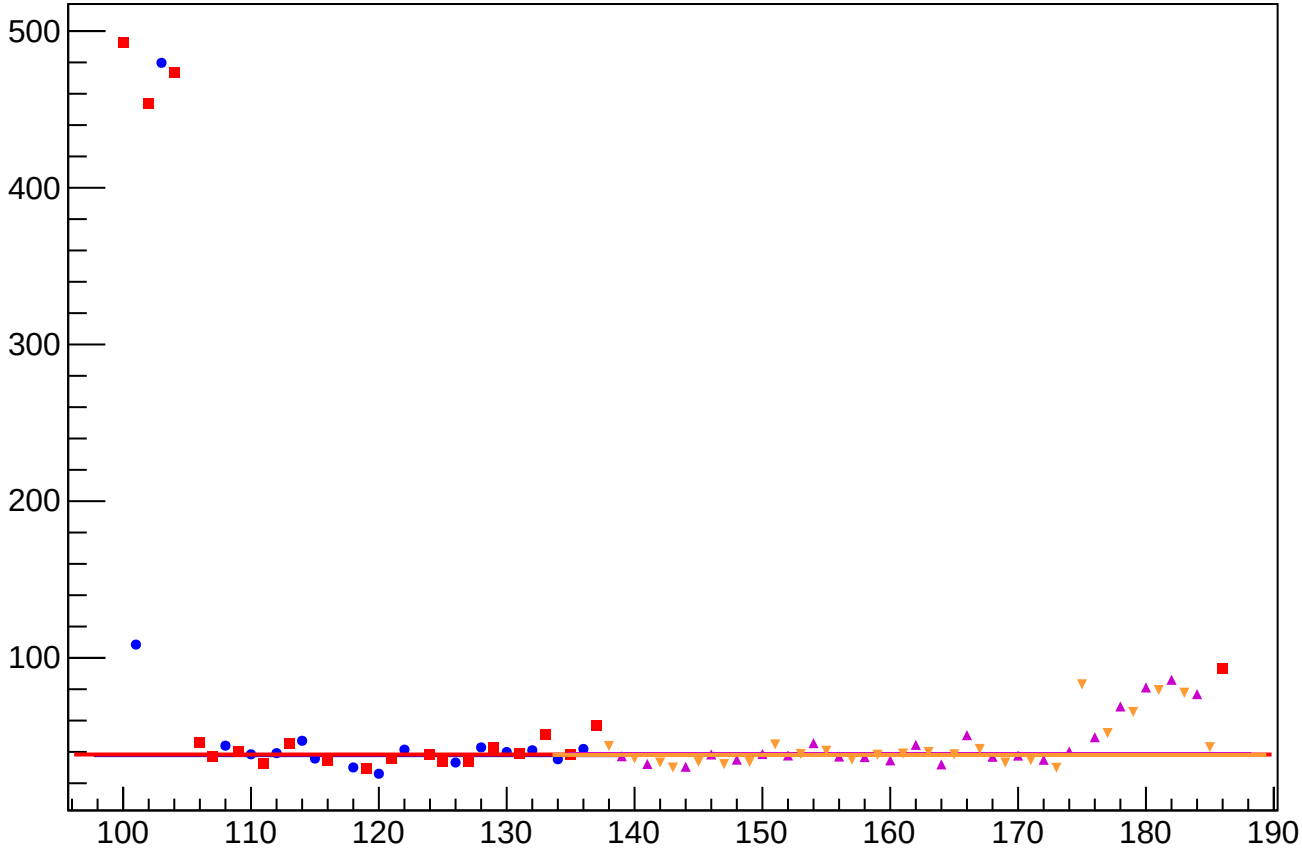
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.010+/-0.008 χ^2/NDF: 60.7/40

All: 0.007+/-0.006 χ^2/NDF: 97.2/83

- 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: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

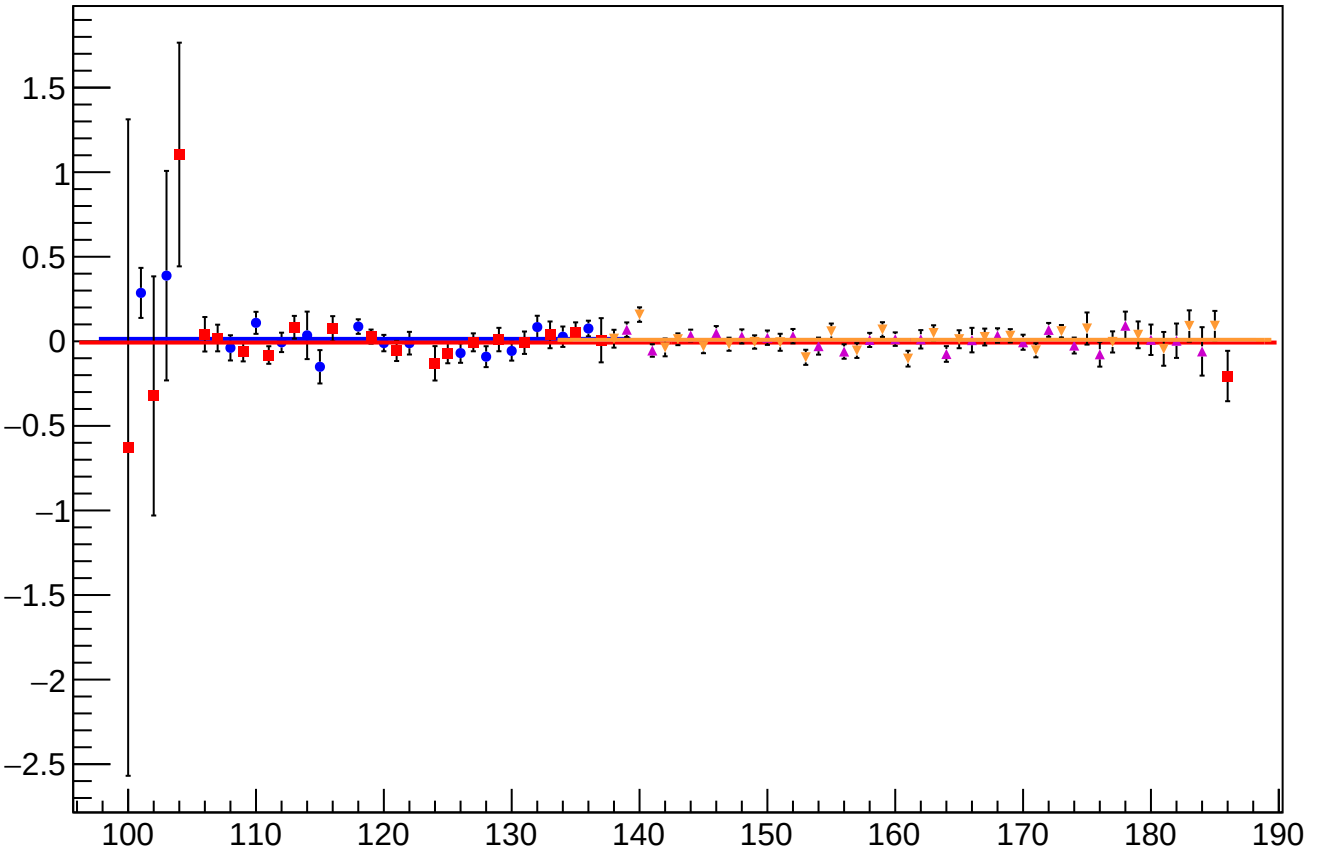
Right Out: 38.335+/-0.011 χ^2/NDF: 2222161.1/19

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 38.034+/-0.006 χ^2/NDF: 3706883.2/40

All: 38.284+/-0.004 χ^2/NDF: 7661051.5/83

\- sign 38.547+/-0.006 χ^2/NDF: 3950353.4/42



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

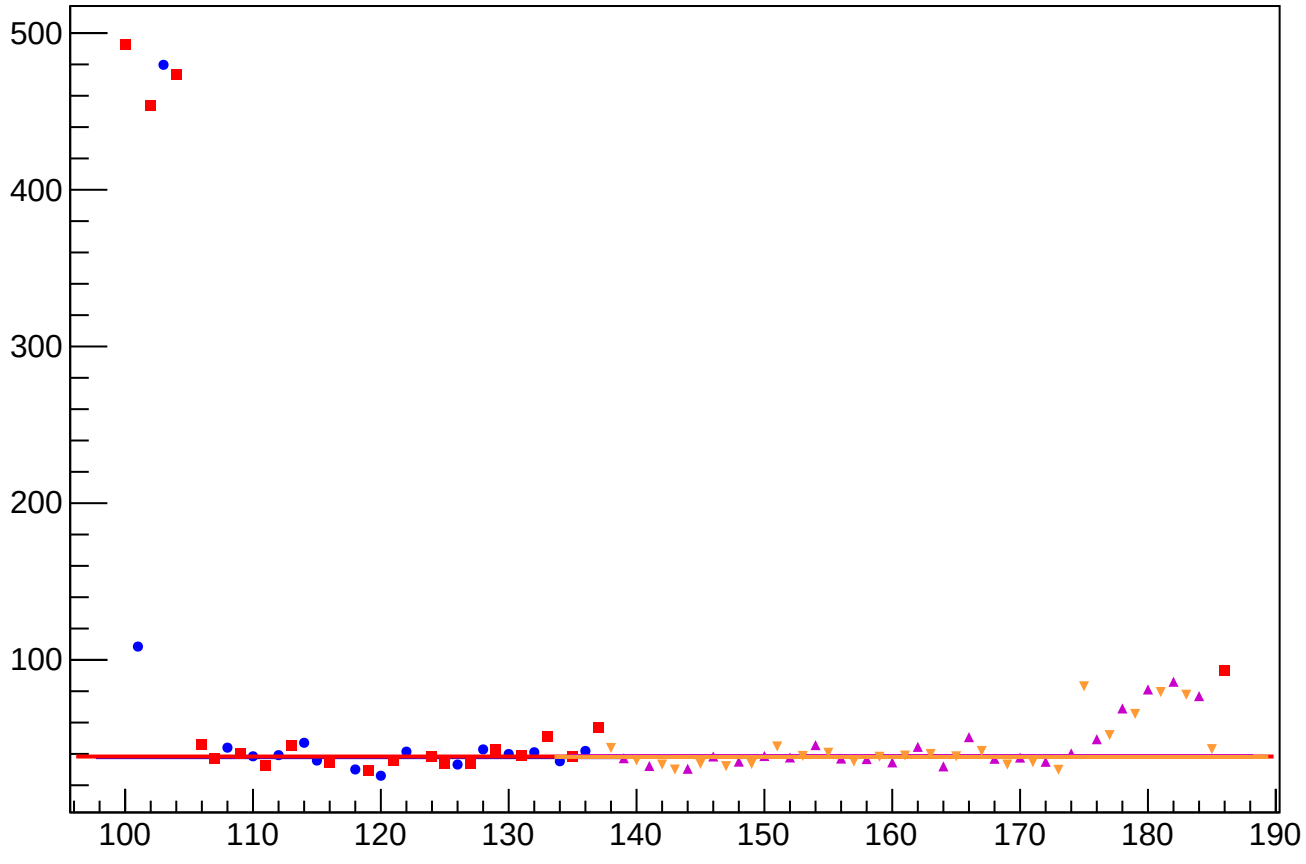
Right Out: -0.007+/-0.016 χ^2/NDF: 16.7/19

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.010+/-0.008 χ^2/NDF: 60.7/40

All: 0.007+/-0.006 χ^2/NDF: 97.2/83

- sign 0.004+/-0.008 χ^2/NDF: 36.2/42



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

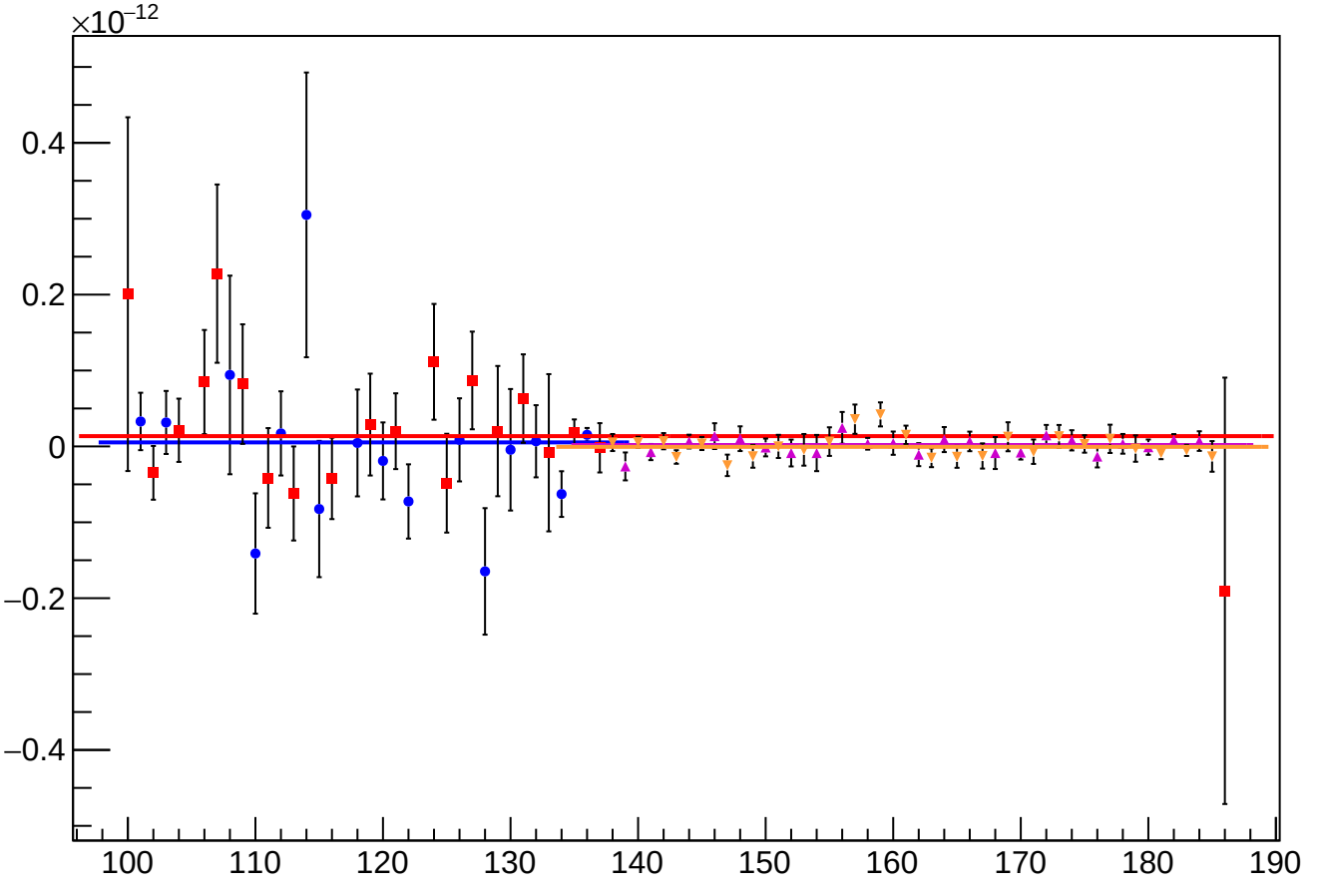
Right Out: 38.335+/-0.011 χ^2/NDF: 2222161.1/19

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 38.034+/-0.006 χ^2/NDF: 3706883.2/40

All: 38.284+/-0.004 χ^2/NDF: 7661051.5/83

- sign 38.547+/-0.006 χ^2/NDF: 3950353.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

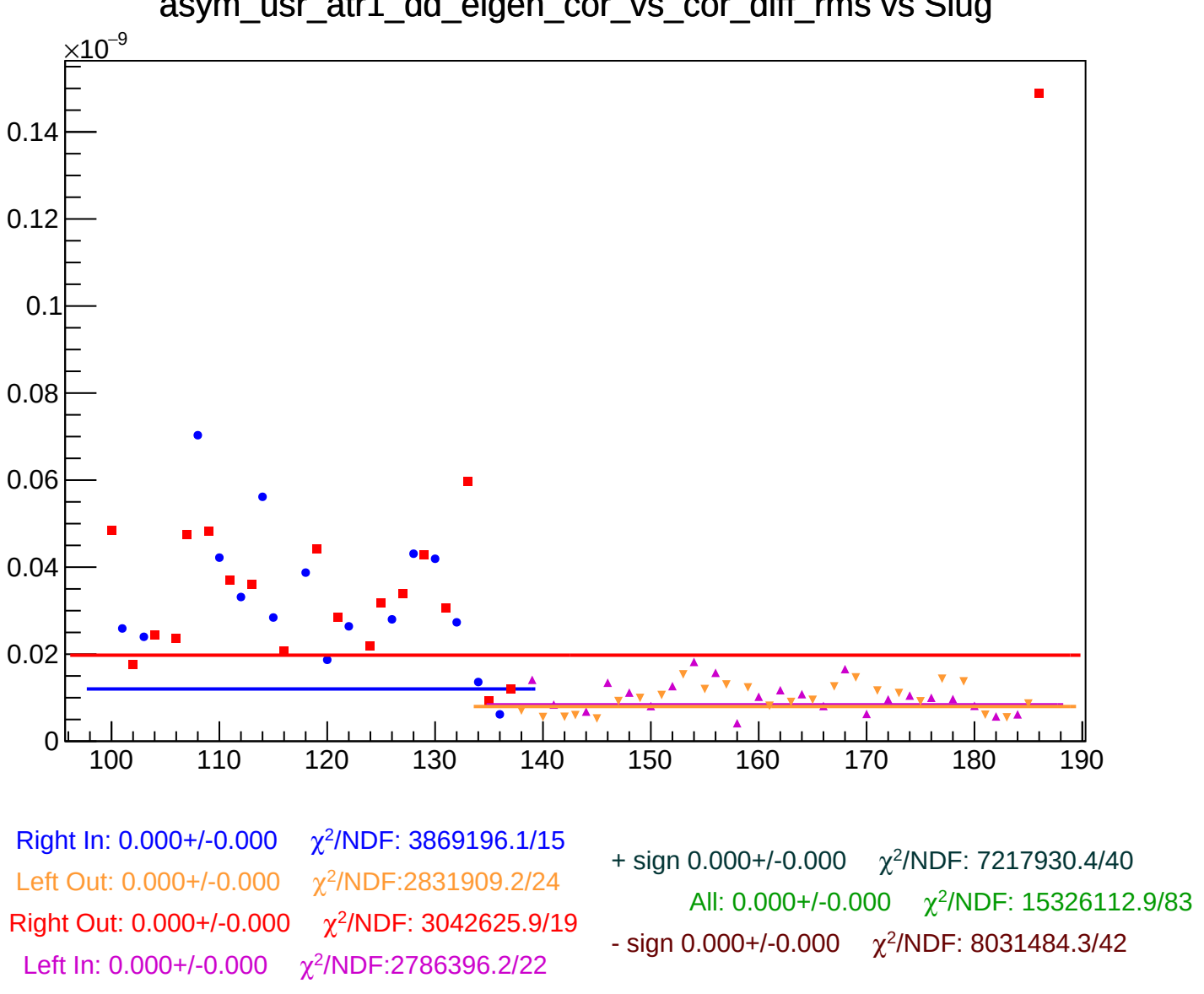
Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/19

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

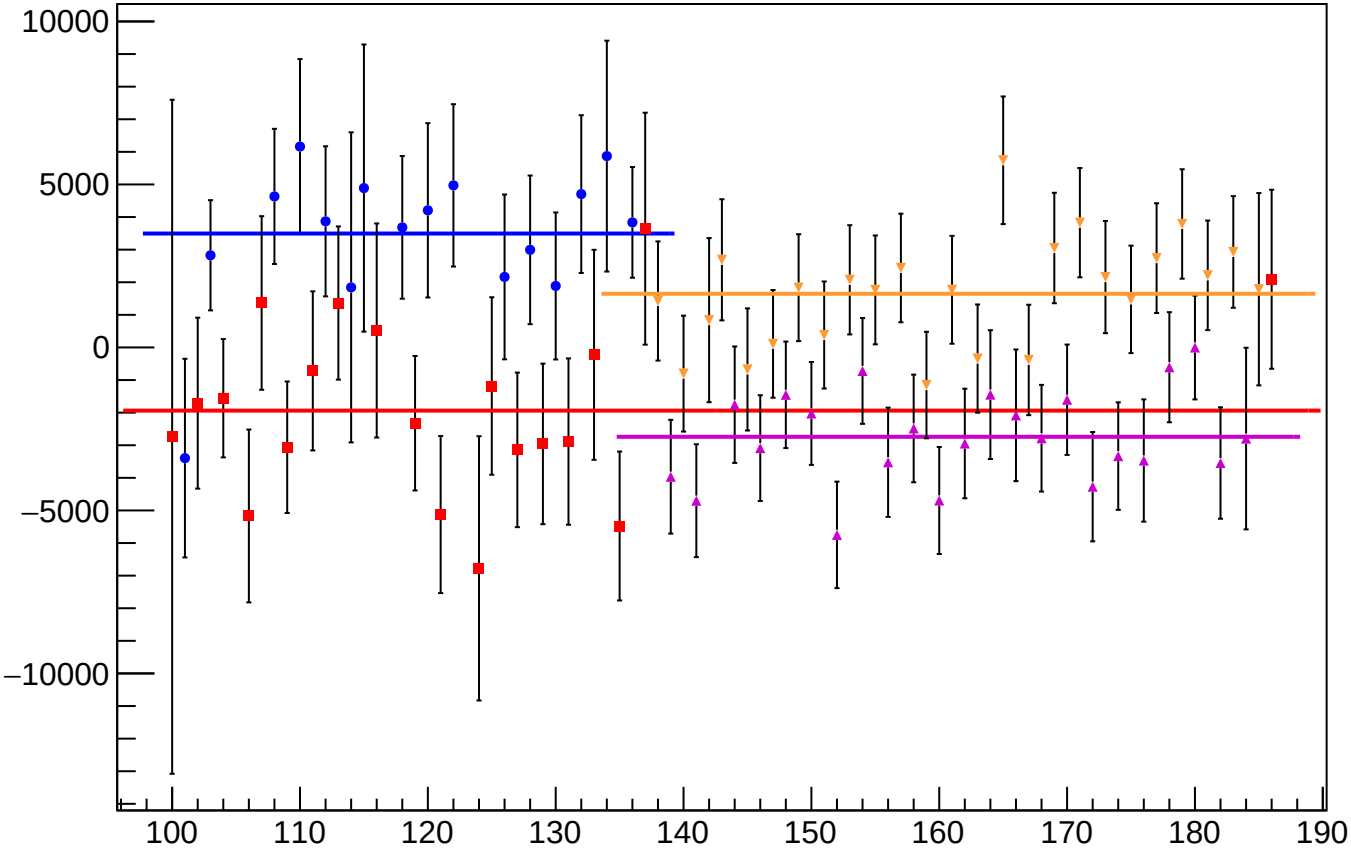
+ sign -0.000+/-0.000 χ^2/NDF: 49.1/40

All: 0.000+/-0.000 χ^2/NDF: 78.9/83

- sign 0.000+/-0.000 χ^2/NDF: 29.3/42


asym_usr_atr1_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: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2831909.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 3042625.9/19
Left In: 0.000+/-0.000 χ²/NDF:2786396.2/22
+ sign 0.000+/-0.000 χ²/NDF: 7217930.4/40
All: 0.000+/-0.000 χ²/NDF: 15326112.9/83
- sign 0.000+/-0.000 χ²/NDF: 8031484.3/42

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1937.175+/-574.606 χ^2/NDF: 17.3/19

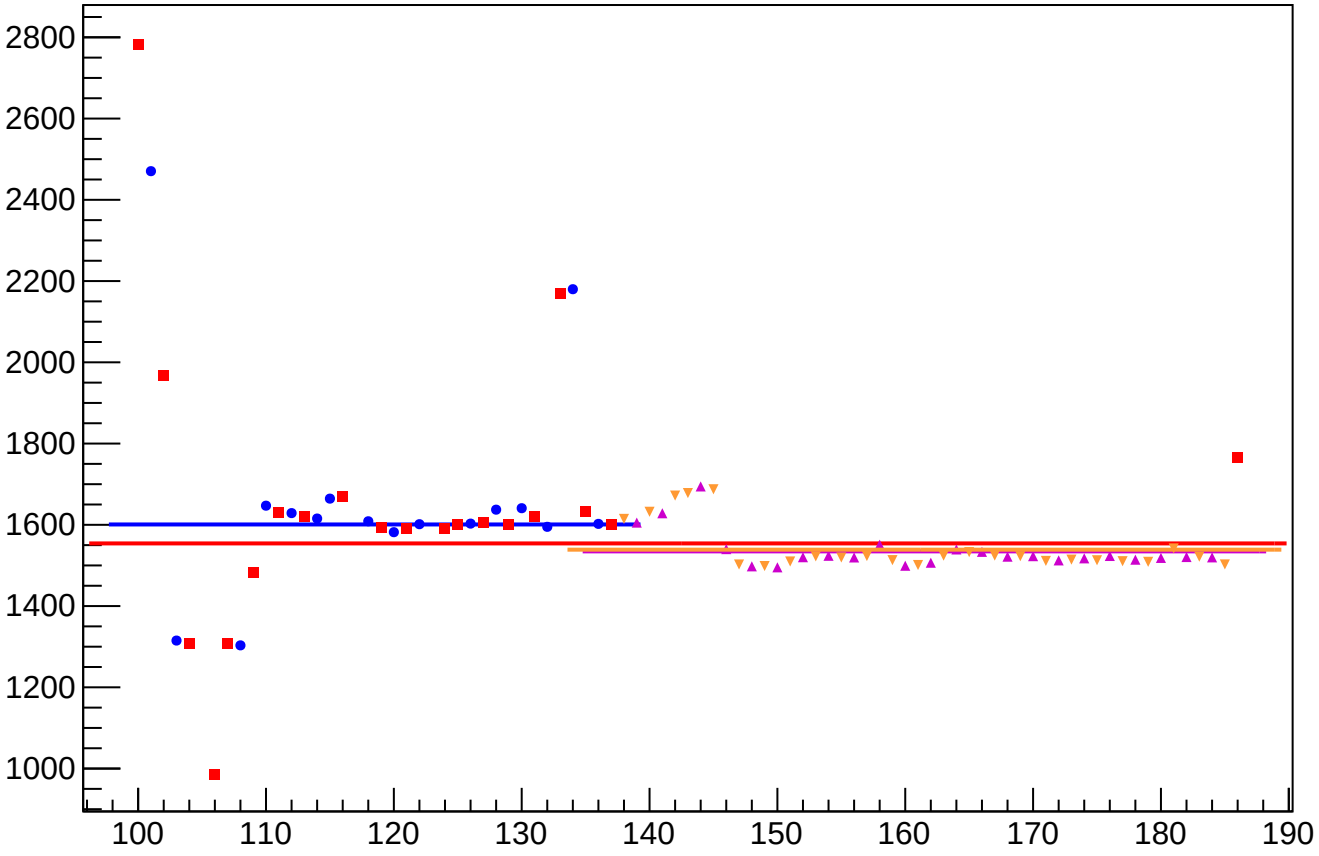
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2113.715+/-302.318 χ^2/NDF: 36.9/40

All: -187.178+/-214.409 χ^2/NDF: 188.6/83

- sign -2515.759+/-304.131 χ^2/NDF: 35.2/42

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1554.205+/-0.400 χ^2/NDF: 388597.6/19

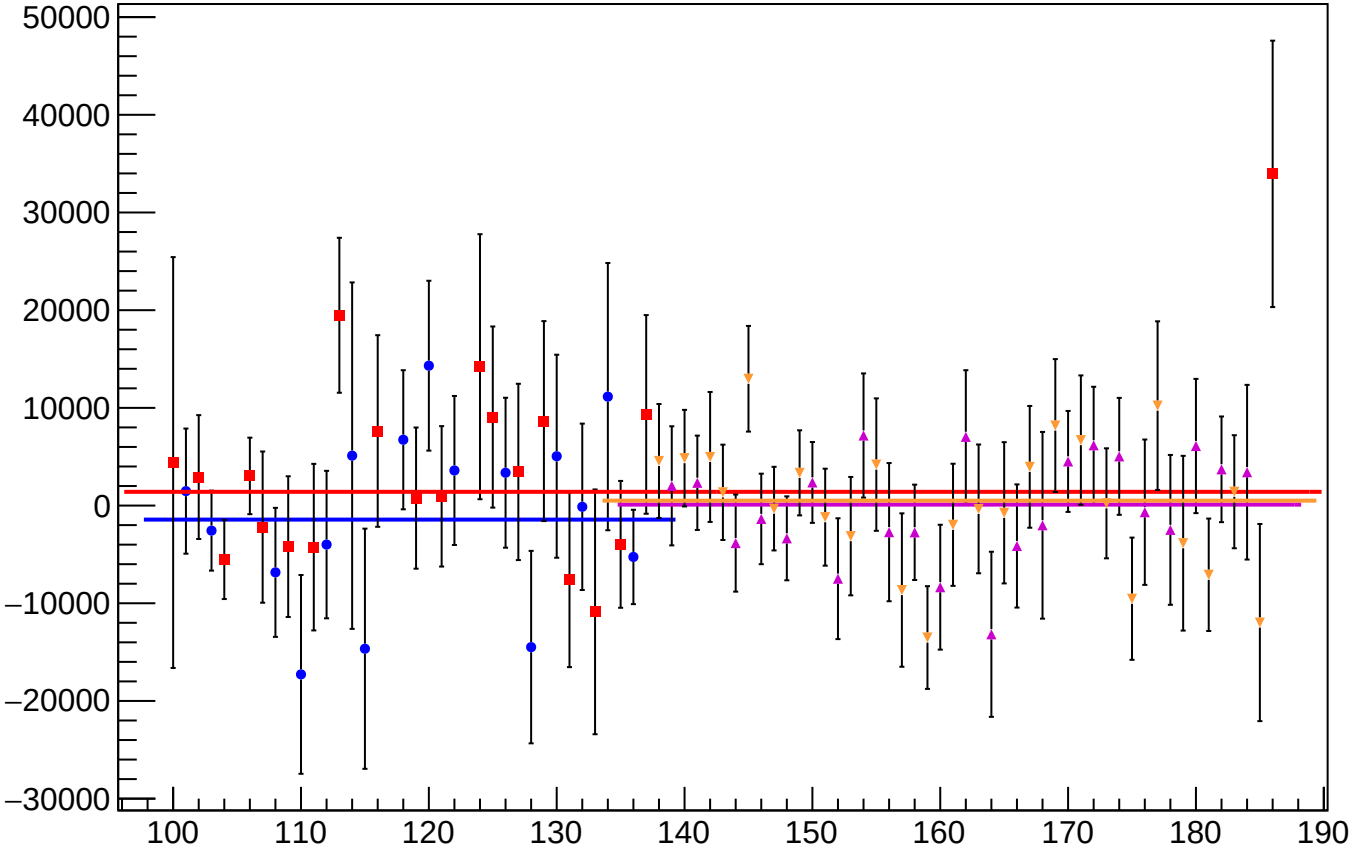
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1554.506+/-0.214 χ^2/NDF: 380398.4/40

All: 1547.378+/-0.151 χ^2/NDF: 804055.6/83

- sign 1540.231+/-0.214 χ^2/NDF: 421430.7/42

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 1406.237+/-1656.909 χ^2/NDF: 21.1/19

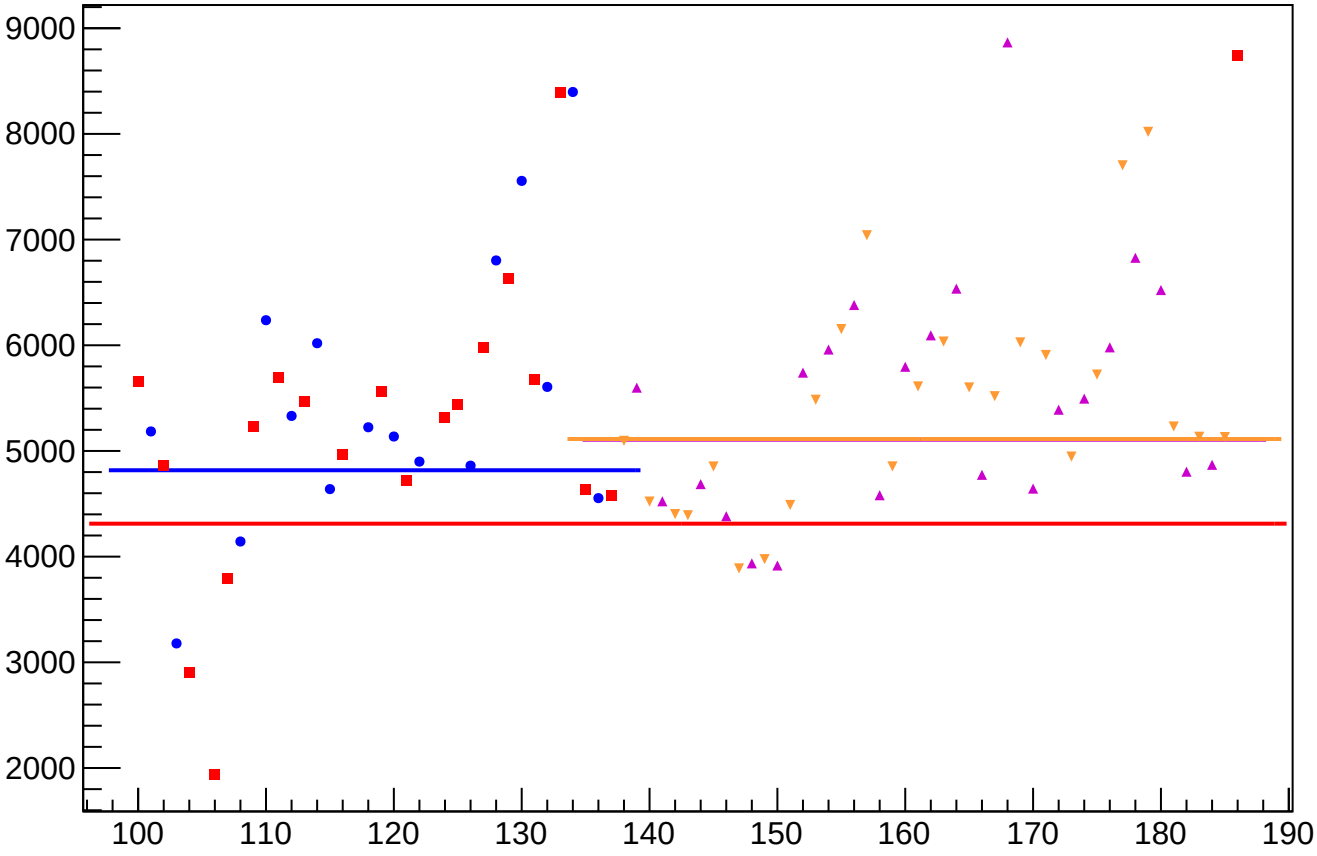
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

+ sign -63.133+/-998.951 χ^2/NDF: 41.4/40

All: 252.343+/-699.988 χ^2/NDF: 78.1/83

- sign 556.679+/-981.155 χ^2/NDF: 36.4/42

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 4311.937+/-1.172 χ^2/NDF: 1897508.0/19

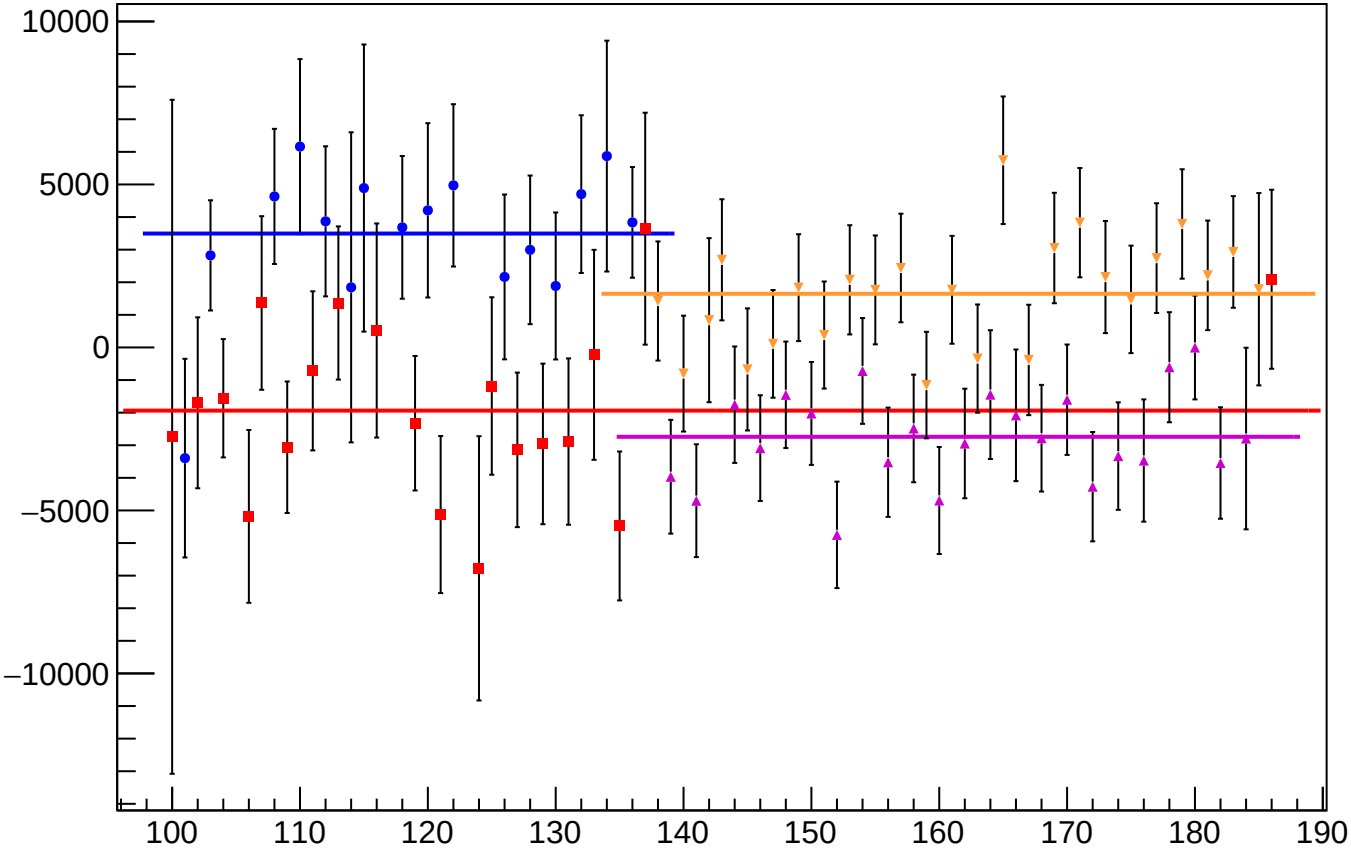
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5026.602+/-0.706 χ^2/NDF: 1990657.0/40

All: 4925.420+/-0.495 χ^2/NDF: 5478667.3/83

- sign 4827.810+/-0.694 χ^2/NDF: 3447696.9/42

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1937.171+/-574.609 χ^2/NDF: 17.3/19

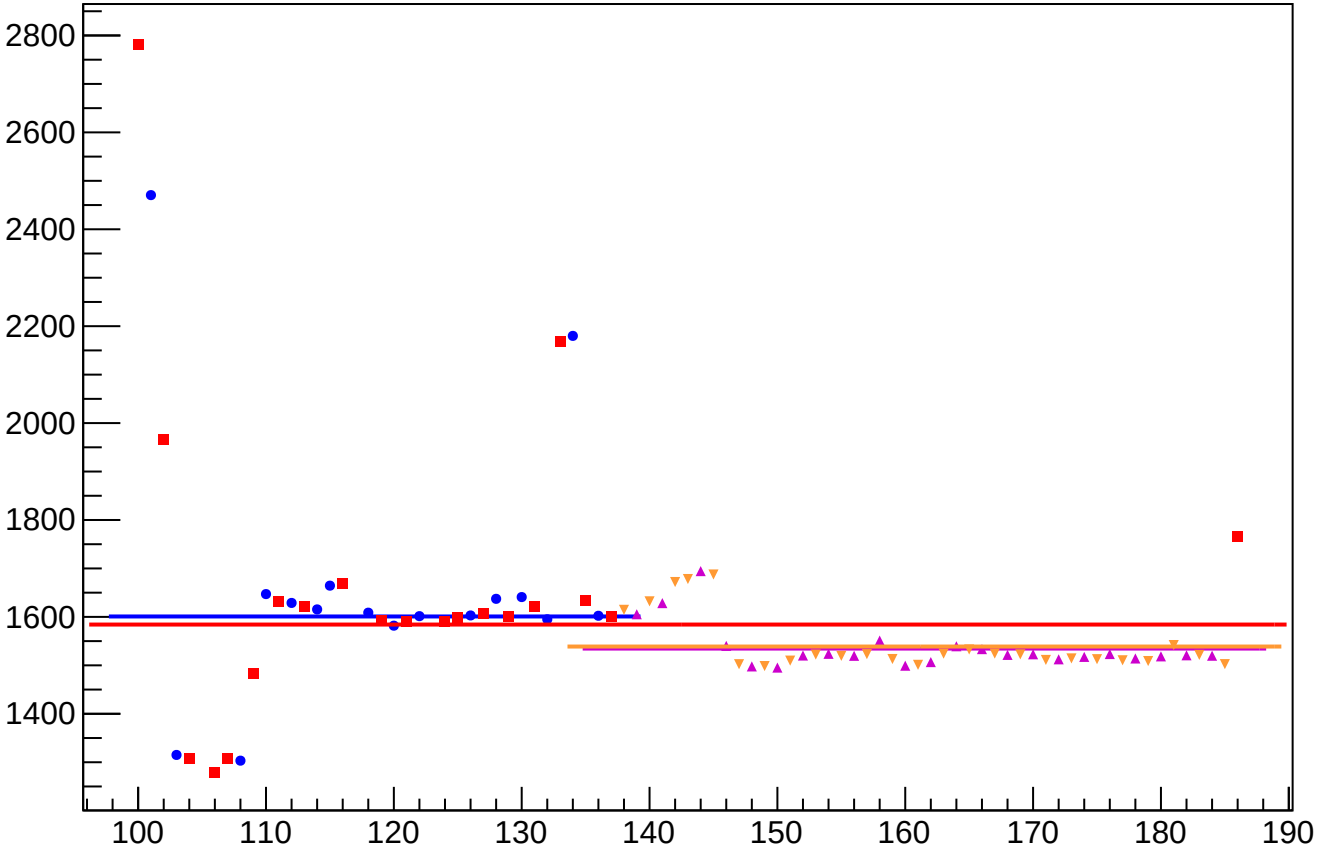
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2113.550+/-302.318 χ^2/NDF: 36.9/40

All: -187.223+/-214.409 χ^2/NDF: 188.6/83

- sign -2515.688+/-304.132 χ^2/NDF: 35.2/42

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

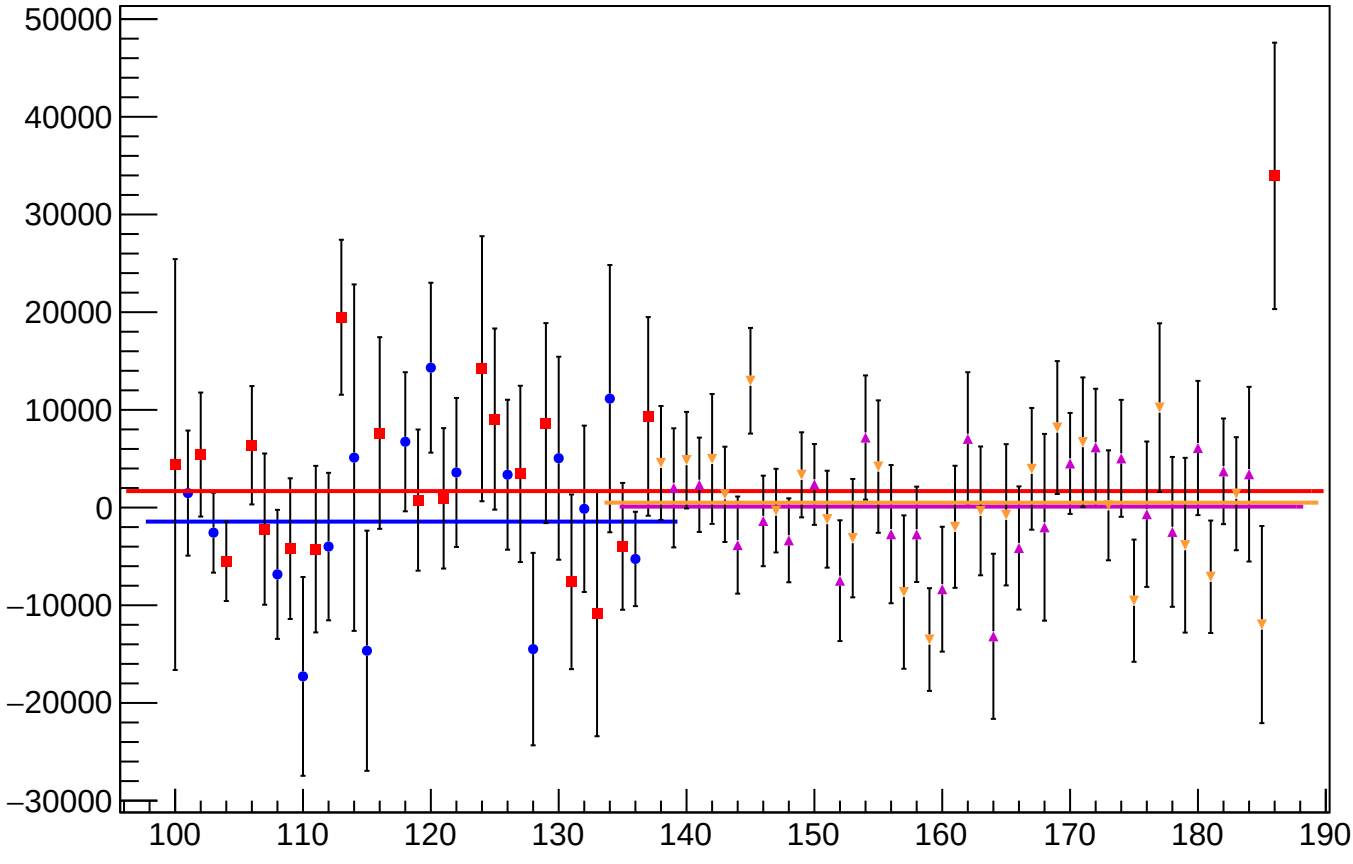
Right Out: 1584.179+/-0.405 χ^2/NDF: 252537.8/19

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1554.506+/-0.214 χ^2/NDF: 380397.7/40

All: 1551.555+/-0.152 χ^2/NDF: 675209.4/83

- sign 1548.575+/-0.215 χ^2/NDF: 294428.7/42



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 1686.999+/-1750.772 χ^2/NDF: 21.9/19

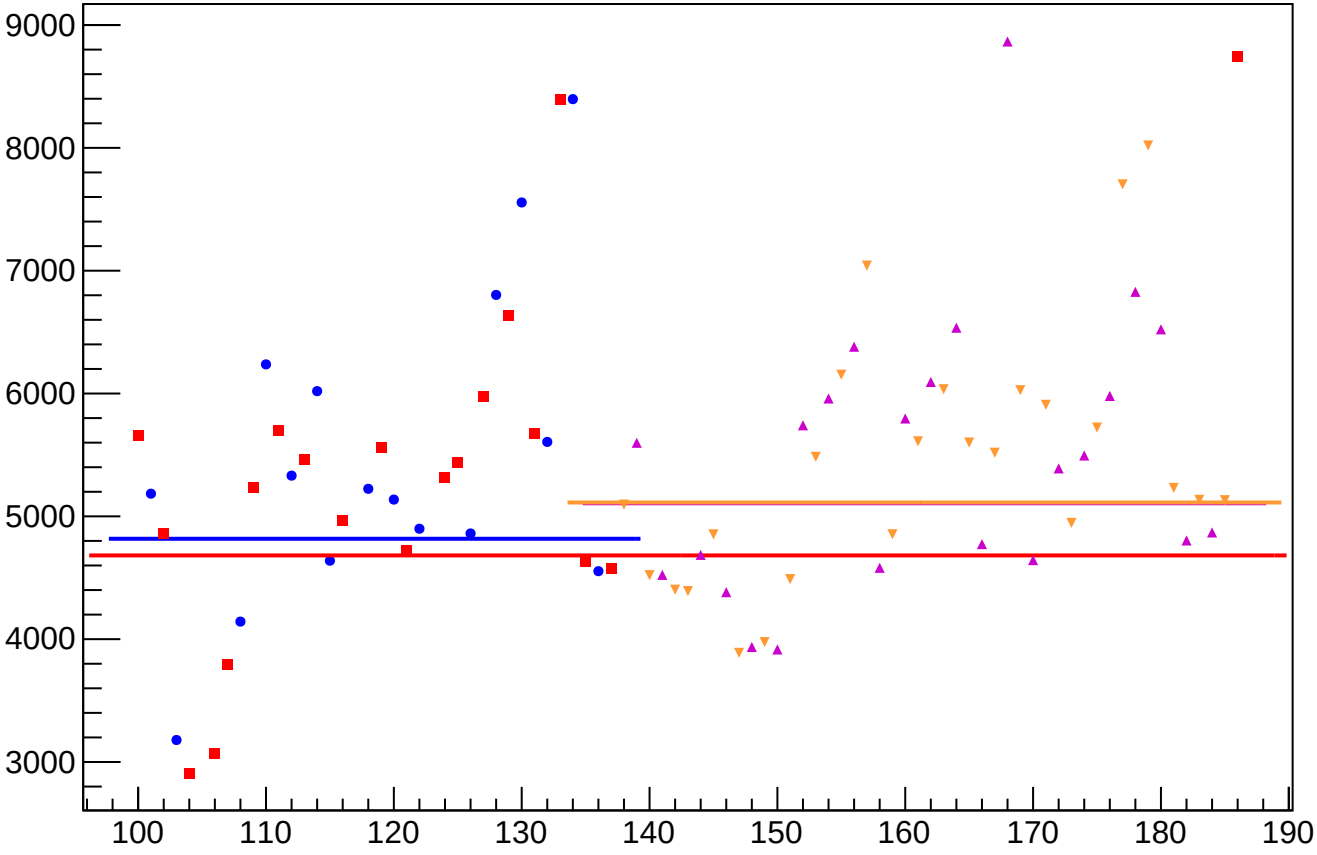
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign -63.185+/-998.956 χ^2/NDF: 41.4/40

All: 276.160+/-706.601 χ^2/NDF: 79.1/83

- sign 615.952+/-999.613 χ^2/NDF: 37.4/42

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 4681.919+/-1.238 χ^2/NDF: 1158319.7/19

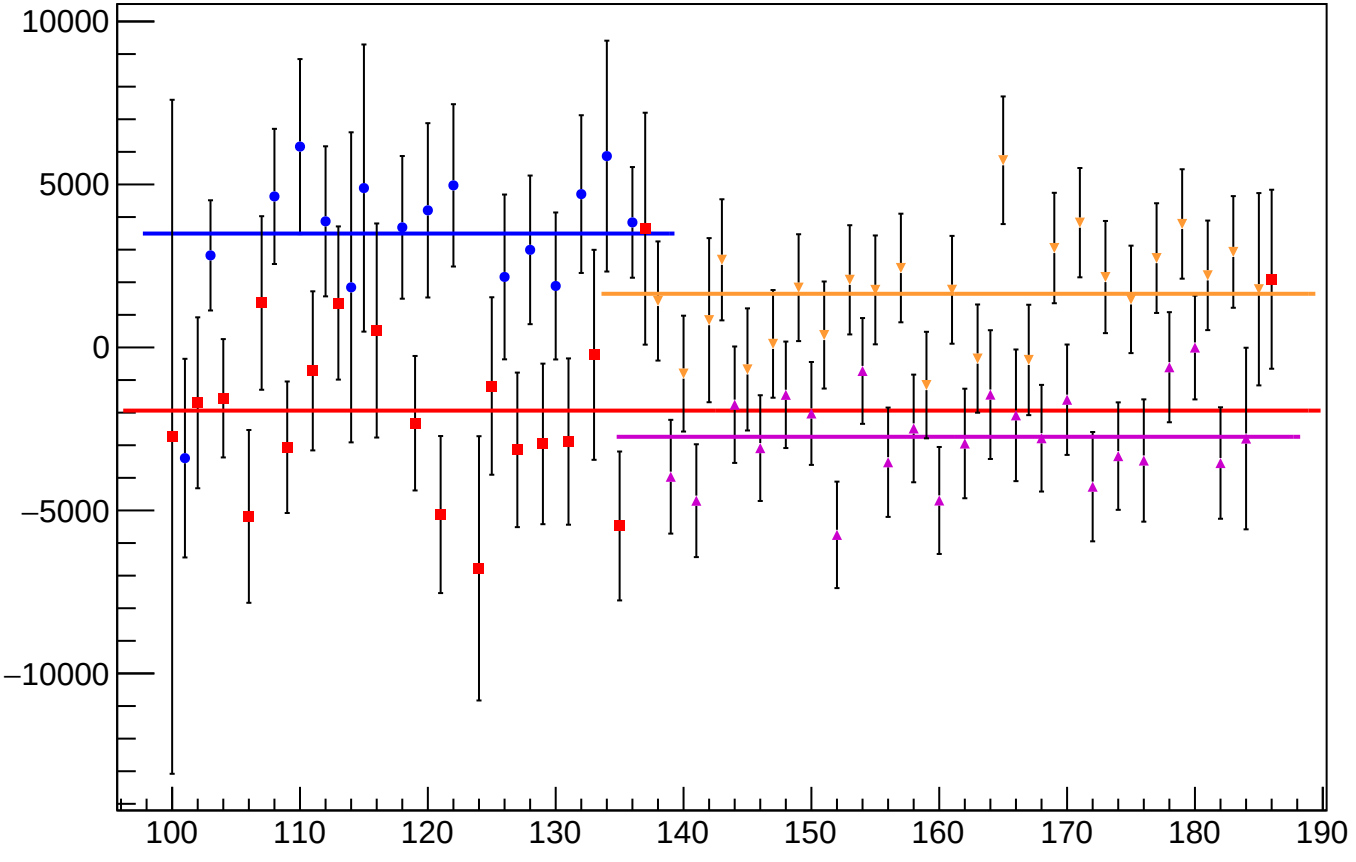
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5026.640+/-0.706 χ^2/NDF: 1990435.9/40

All: 4997.345+/-0.500 χ^2/NDF: 4483056.2/83

- sign 4968.012+/-0.707 χ^2/NDF: 2489178.2/42

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1937.171+/-574.609 χ^2/NDF: 17.3/19

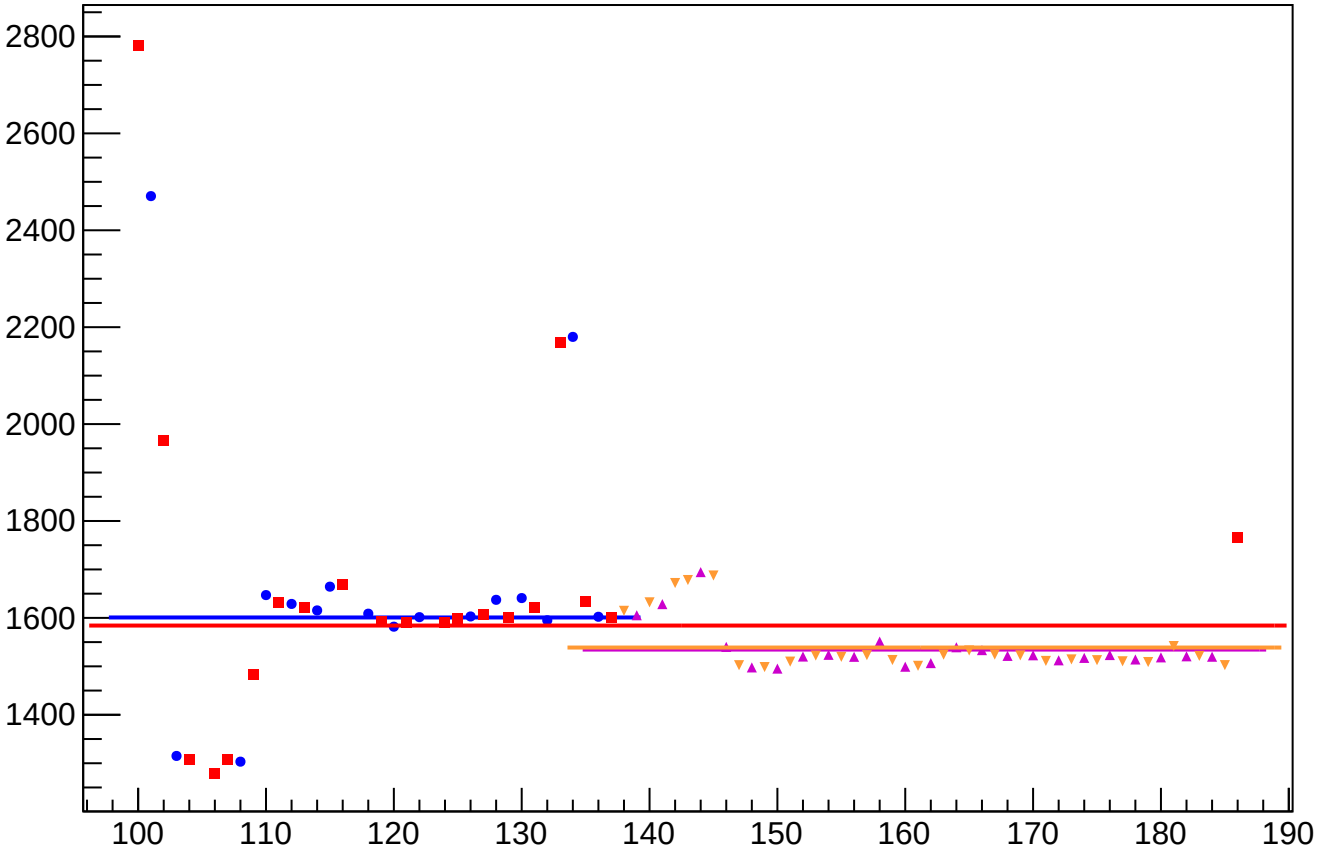
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

\+ sign 2113.550+/-302.318 χ^2/NDF: 36.9/40

All: -187.223+/-214.409 χ^2/NDF: 188.6/83

\- sign -2515.688+/-304.132 χ^2/NDF: 35.2/42

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

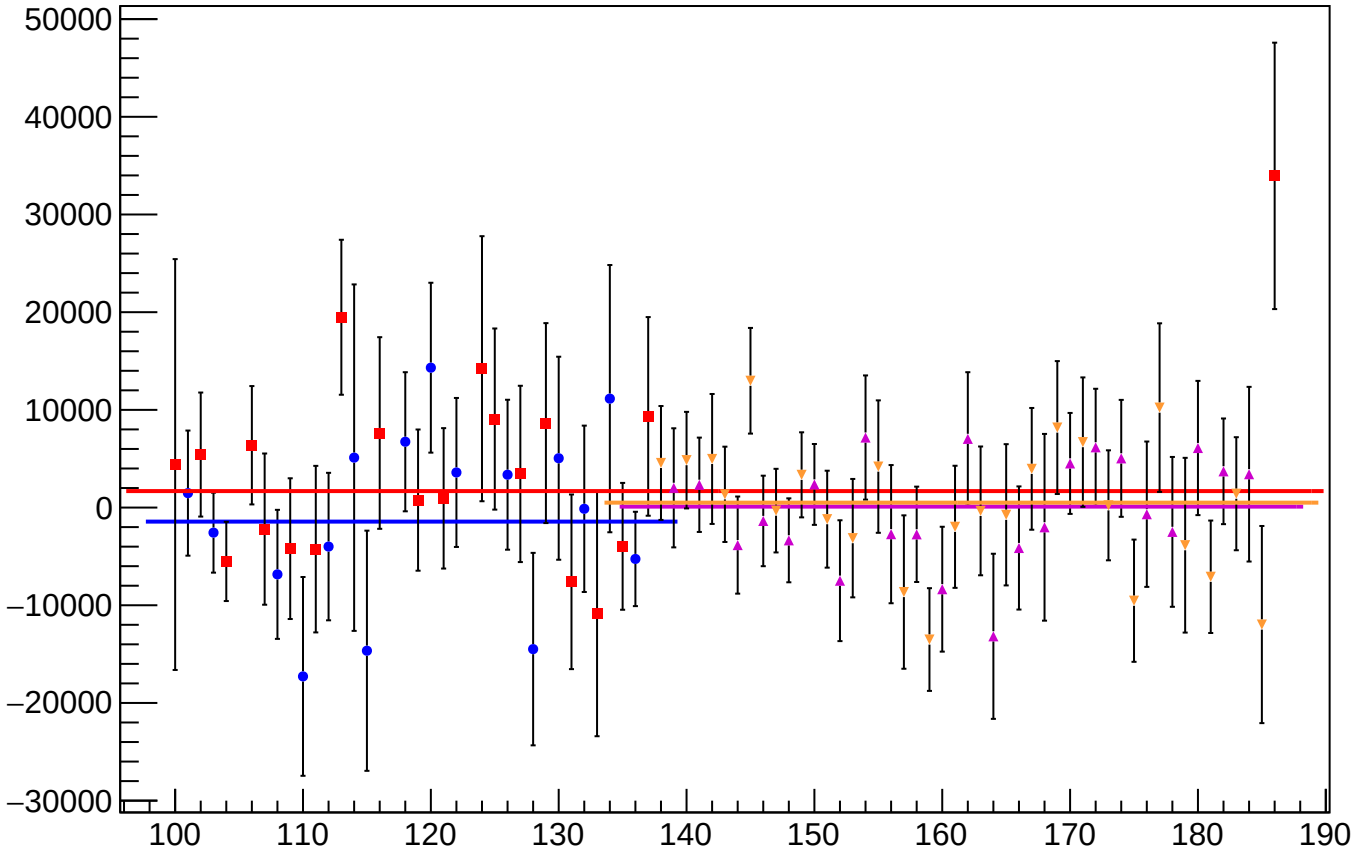
Right Out: 1584.179+/-0.405 χ^2/NDF: 252537.8/19

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1554.506+/-0.214 χ^2/NDF: 380397.7/40

All: 1551.555+/-0.152 χ^2/NDF: 675209.4/83

- sign 1548.575+/-0.215 χ^2/NDF: 294428.7/42



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 1686.999+/-1750.772 χ^2/NDF: 21.9/19

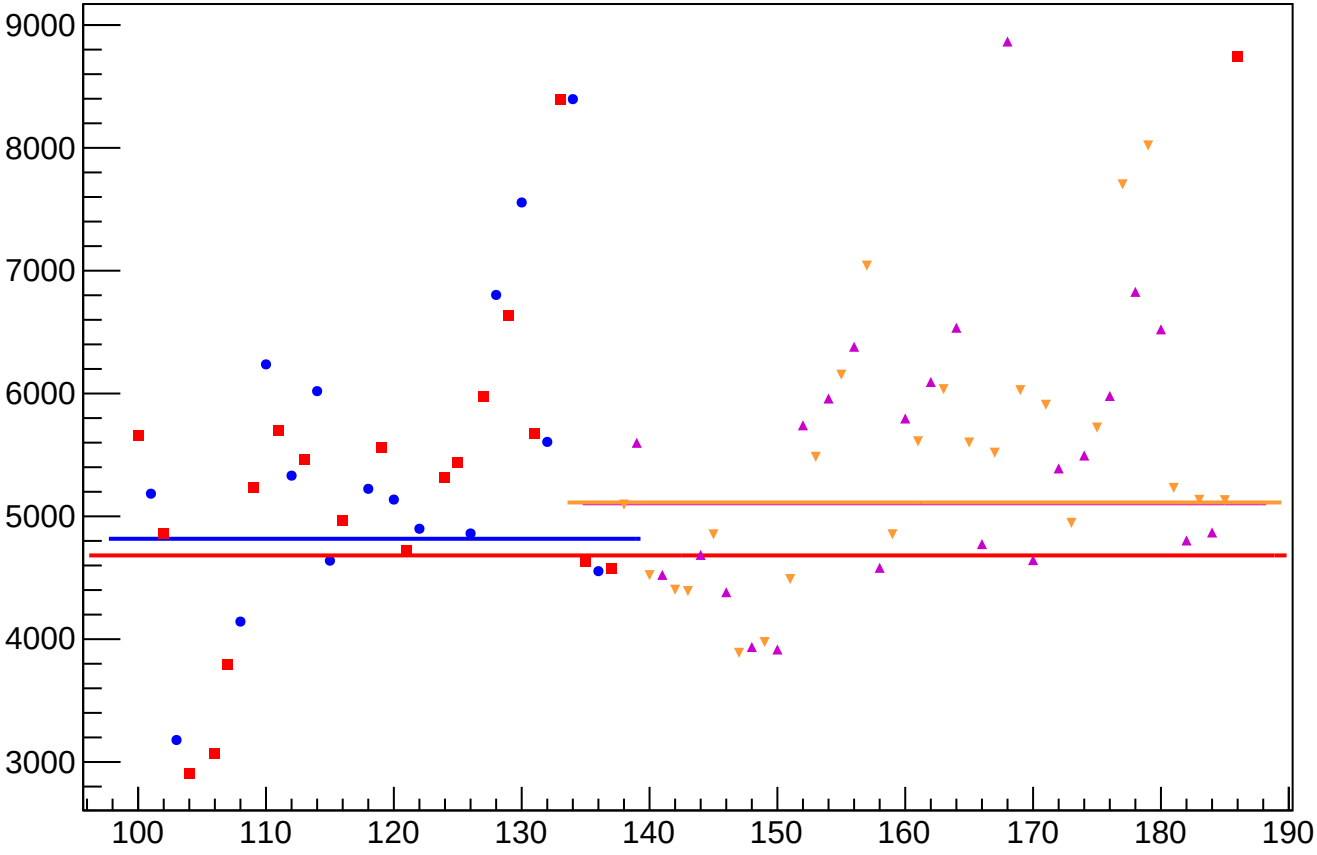
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign -63.185+/-998.956 χ^2/NDF: 41.4/40

All: 276.160+/-706.601 χ^2/NDF: 79.1/83

- sign 615.952+/-999.613 χ^2/NDF: 37.4/42

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 4681.919+/-1.238 χ^2/NDF: 1158319.7/19

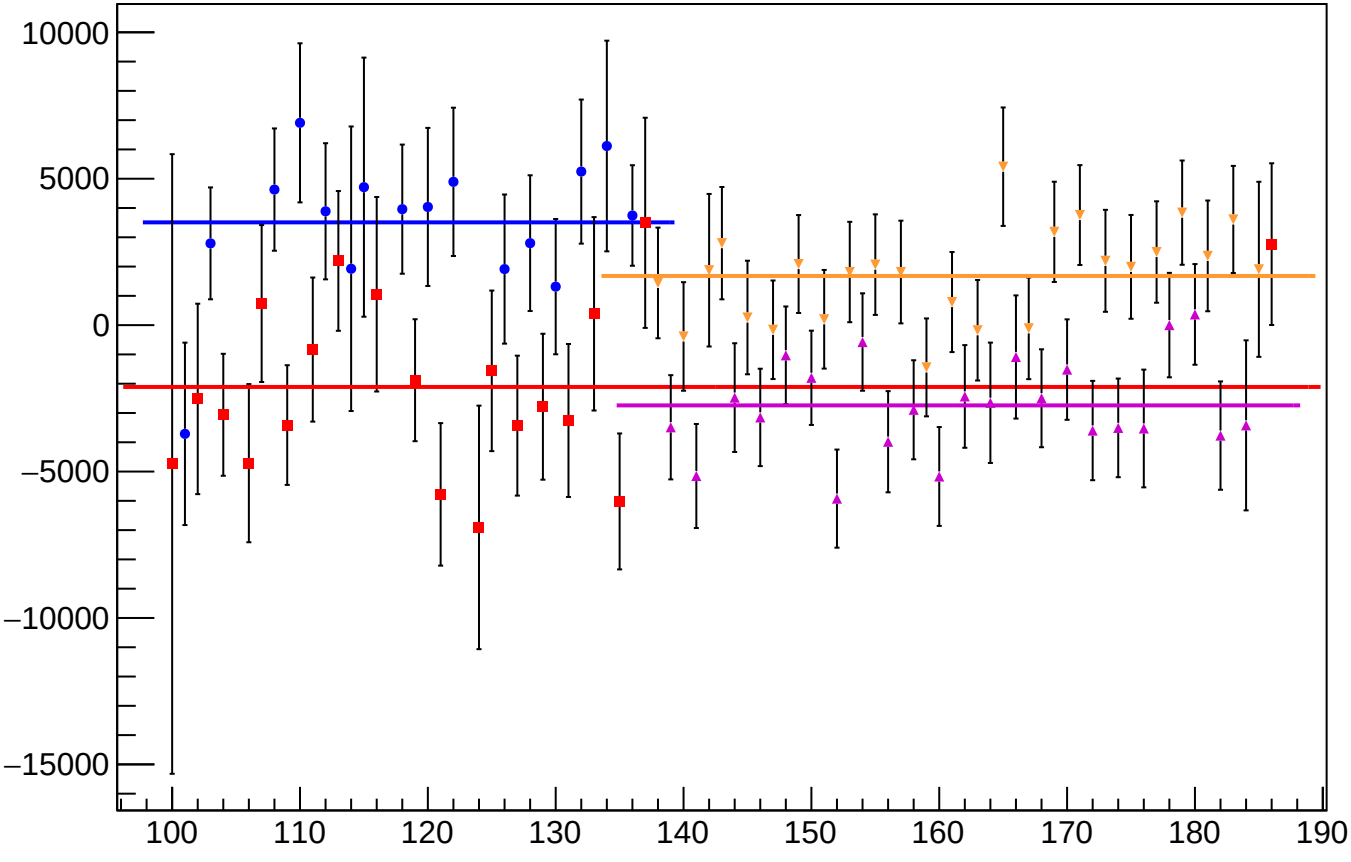
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5026.640+/-0.706 χ^2/NDF: 1990435.9/40

All: 4997.345+/-0.500 χ^2/NDF: 4483056.2/83

- sign 4968.012+/-0.707 χ^2/NDF: 2489178.2/42

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -2110.732+/-593.308 χ^2/NDF: 20.4/19

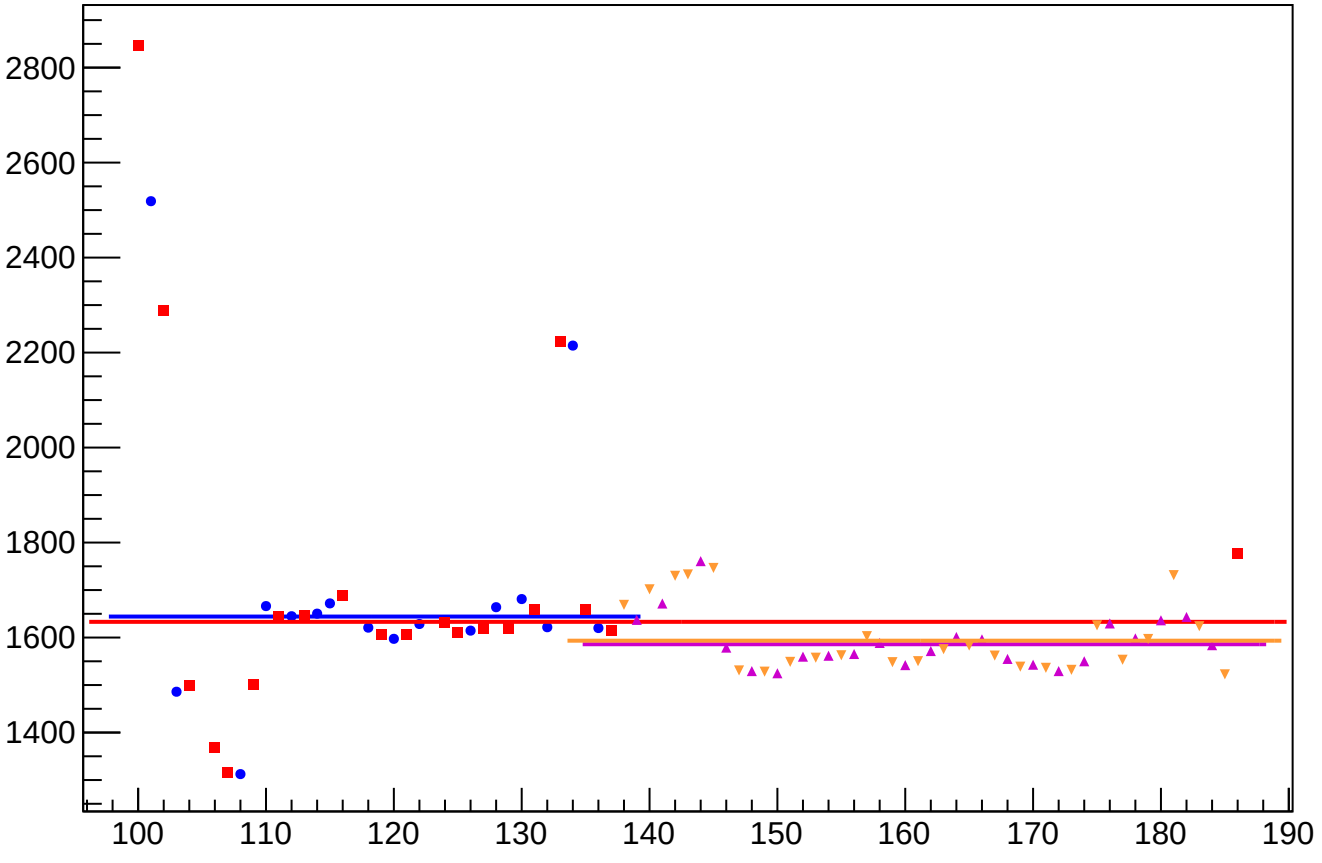
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2148.941+/-312.443 χ^2/NDF: 35.9/40

All: -193.331+/-221.592 χ^2/NDF: 189.3/83

- sign -2563.865+/-314.323 χ^2/NDF: 40.4/42

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1633.080+/-0.419 χ^2/NDF: 243254.4/19

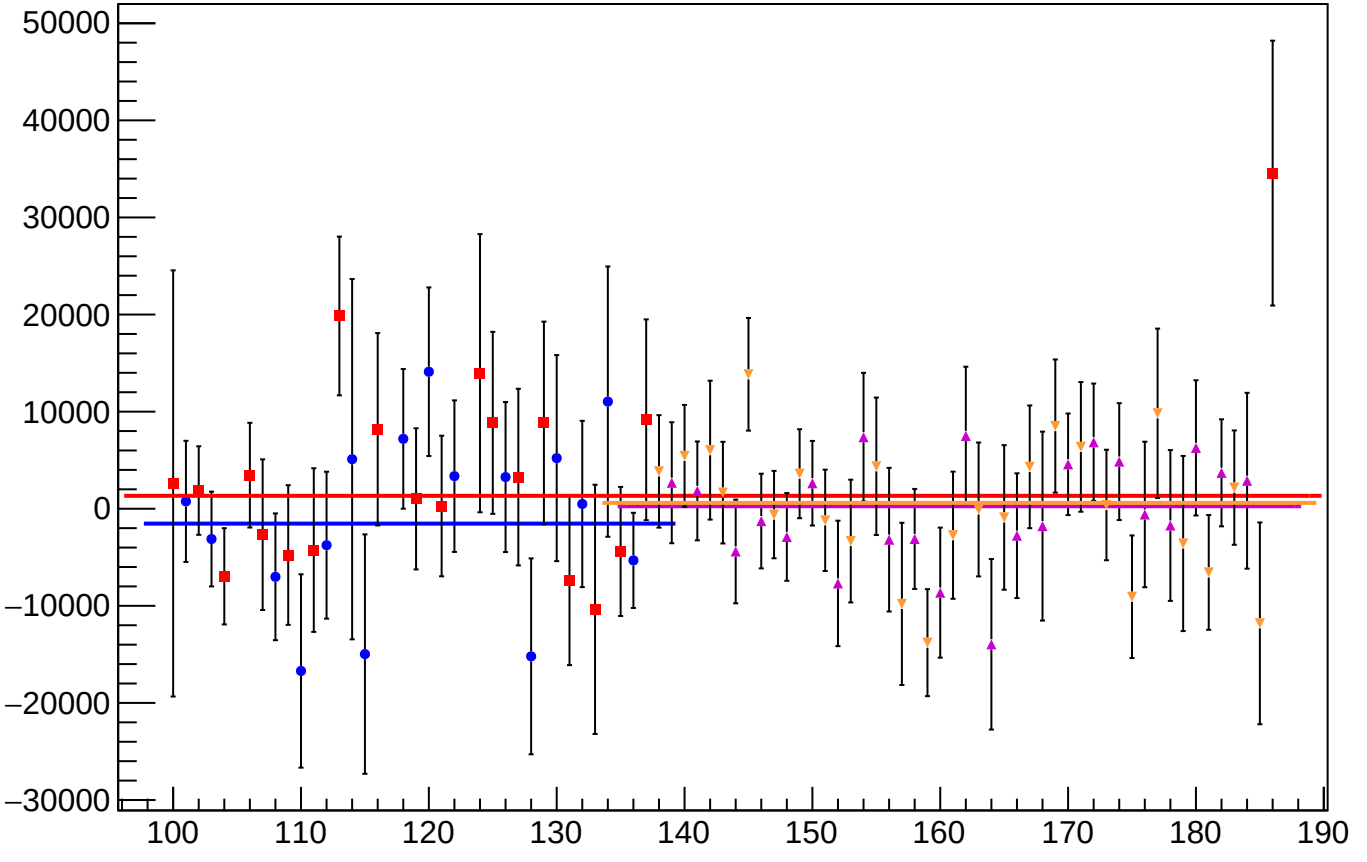
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1606.429+/-0.221 χ^2/NDF: 356785.5/40

All: 1602.821+/-0.157 χ^2/NDF: 651593.1/83

- sign 1599.171+/-0.222 χ^2/NDF: 294271.1/42

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 1330.467+/-1734.372 χ^2/NDF: 21.1/19

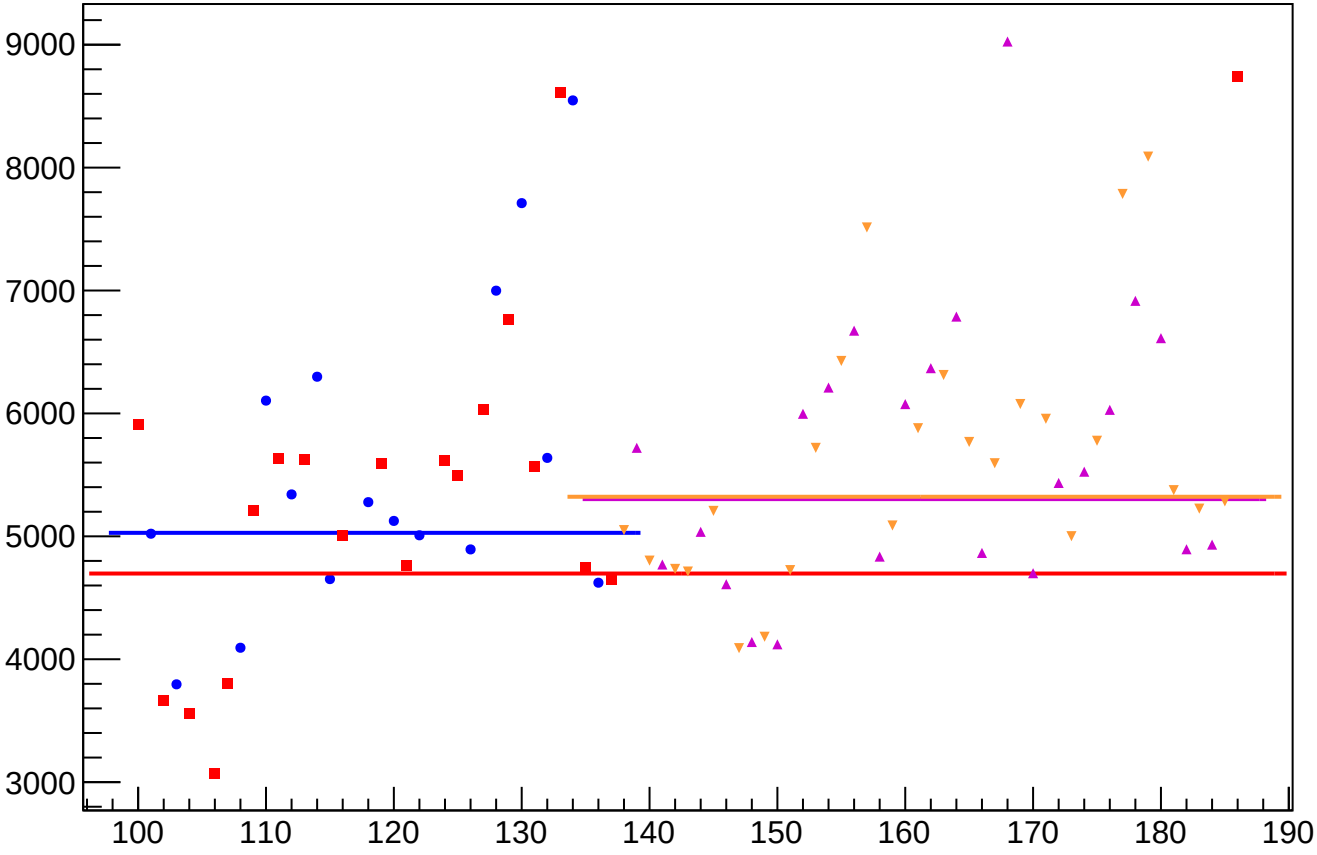
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign -24.520+/-1036.839 χ^2/NDF: 40.8/40

All: 306.900+/-727.407 χ^2/NDF: 77.0/83

\- sign 628.125+/-1020.767 χ^2/NDF: 36.0/42

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 4697.359+/-1.226 χ^2/NDF: 1042198.7/19

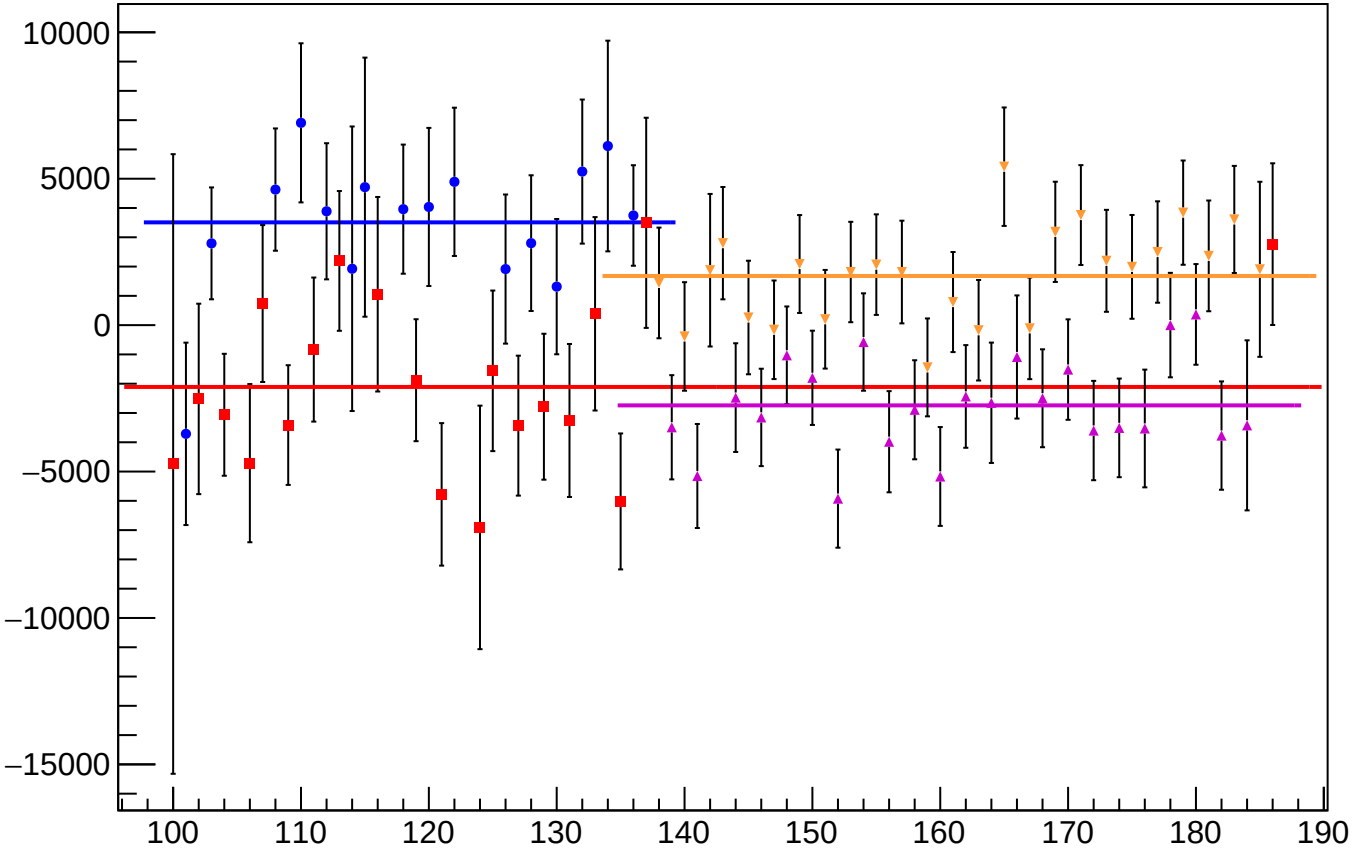
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5235.807+/-0.733 χ^2/NDF: 1635712.1/40

All: 5163.345+/-0.514 χ^2/NDF: 4008845.8/83

- sign 5093.112+/-0.722 χ^2/NDF: 2353897.1/42

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -2110.742+/-593.308 χ^2/NDF: 20.4/19

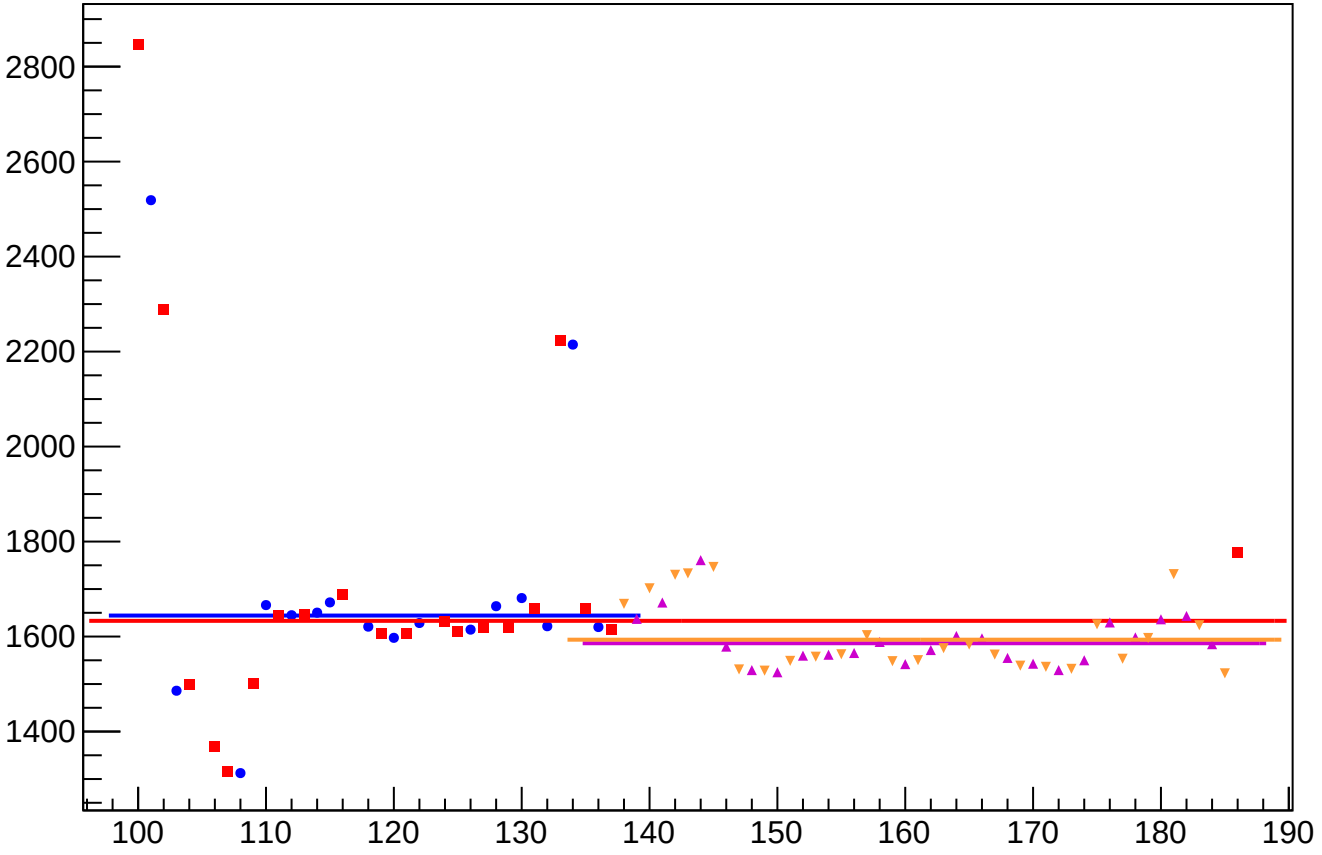
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2148.937+/-312.443 χ^2/NDF: 35.9/40

All: -193.334+/-221.592 χ^2/NDF: 189.3/83

- sign -2563.867+/-314.323 χ^2/NDF: 40.4/42

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

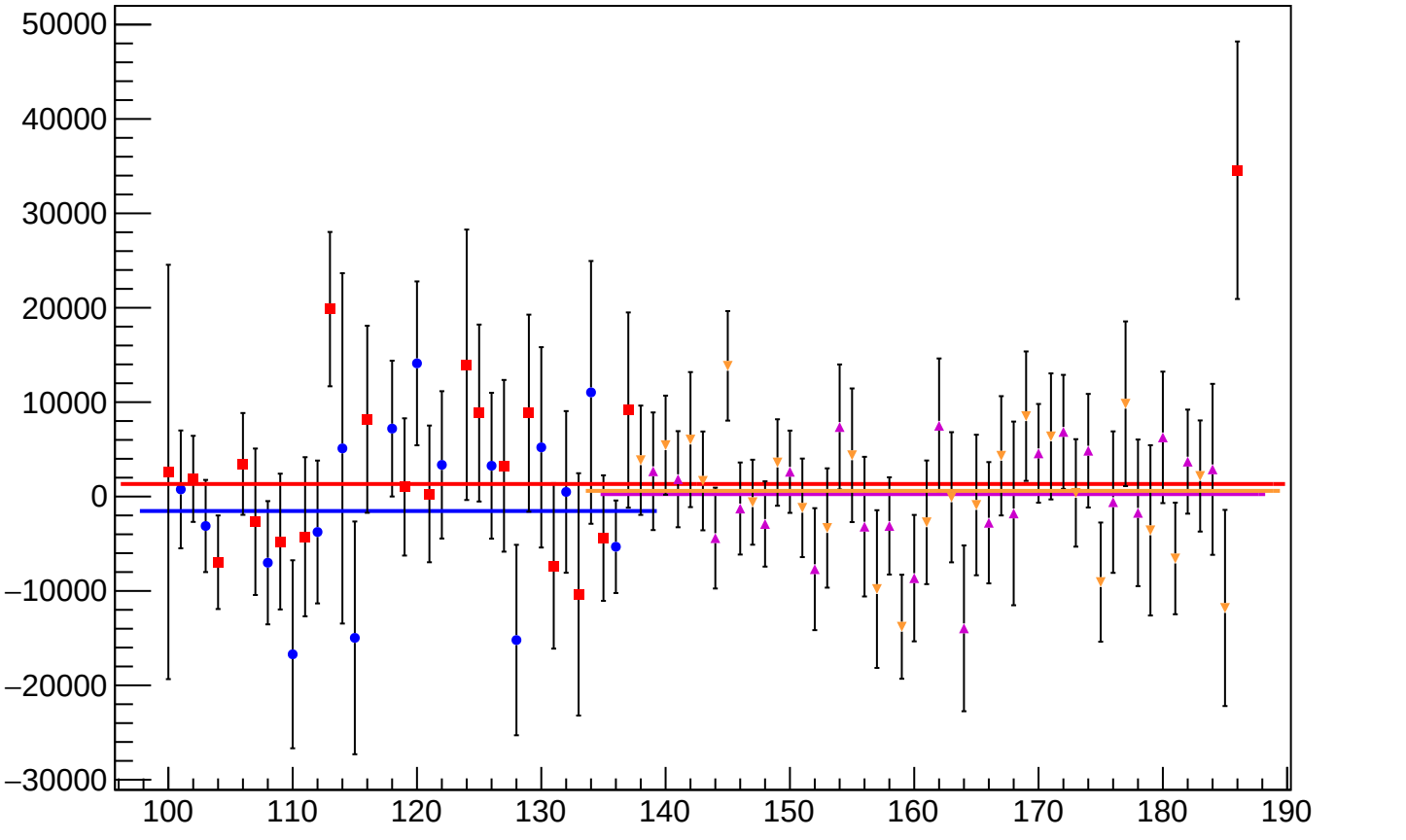
Right Out: 1633.080+/-0.419 χ^2/NDF: 243254.0/19

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1606.429+/-0.221 χ^2/NDF: 356785.0/40

All: 1602.821+/-0.157 χ^2/NDF: 651591.5/83

- sign 1599.171+/-0.222 χ^2/NDF: 294270.0/42



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: 1330.467+/-1734.369 χ^2/NDF: 21.1/19

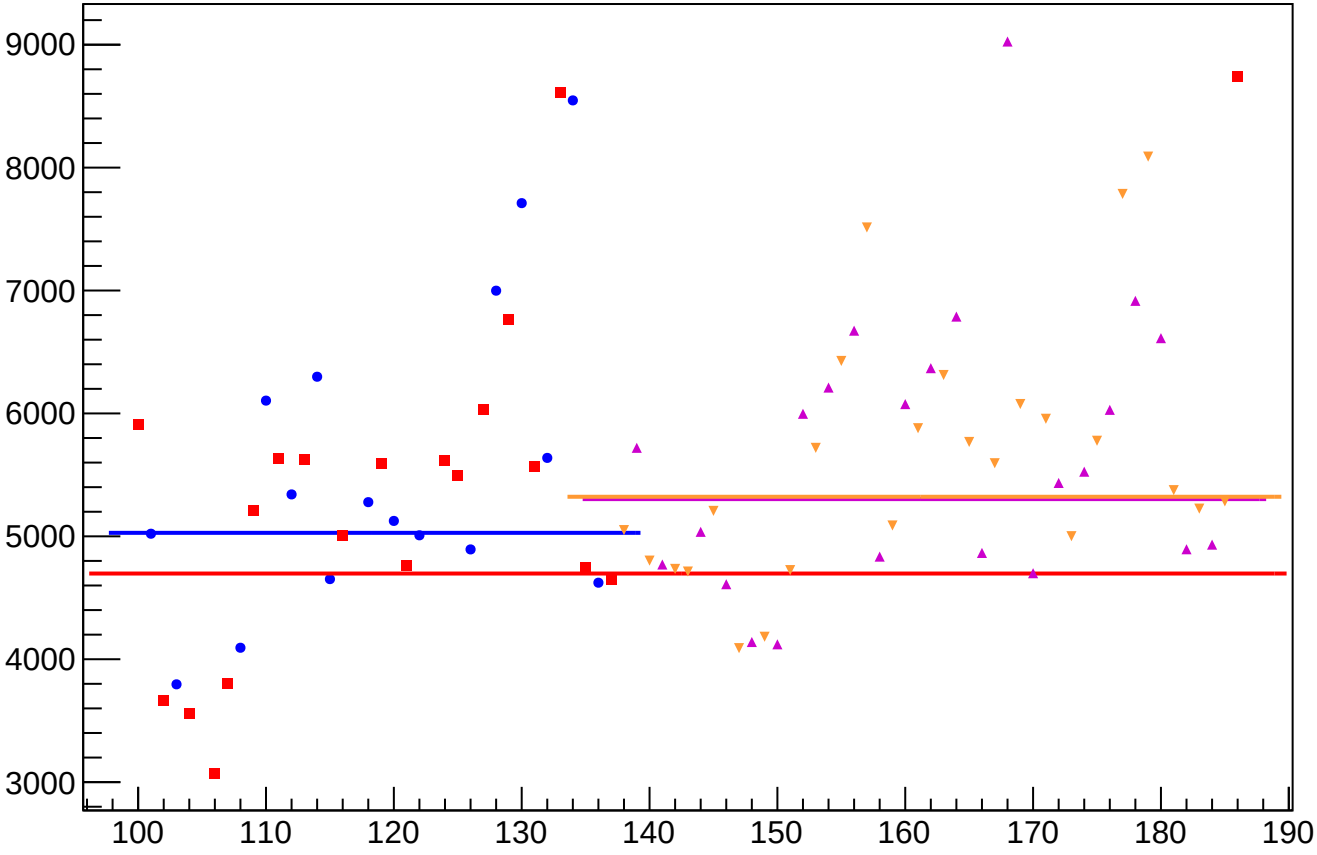
Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

\+ sign -24.521+/-1036.840 χ^2/NDF: 40.8/40

All: 306.901+/-727.408 χ^2/NDF: 77.0/83

\- sign 628.128+/-1020.768 χ^2/NDF: 36.0/42

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

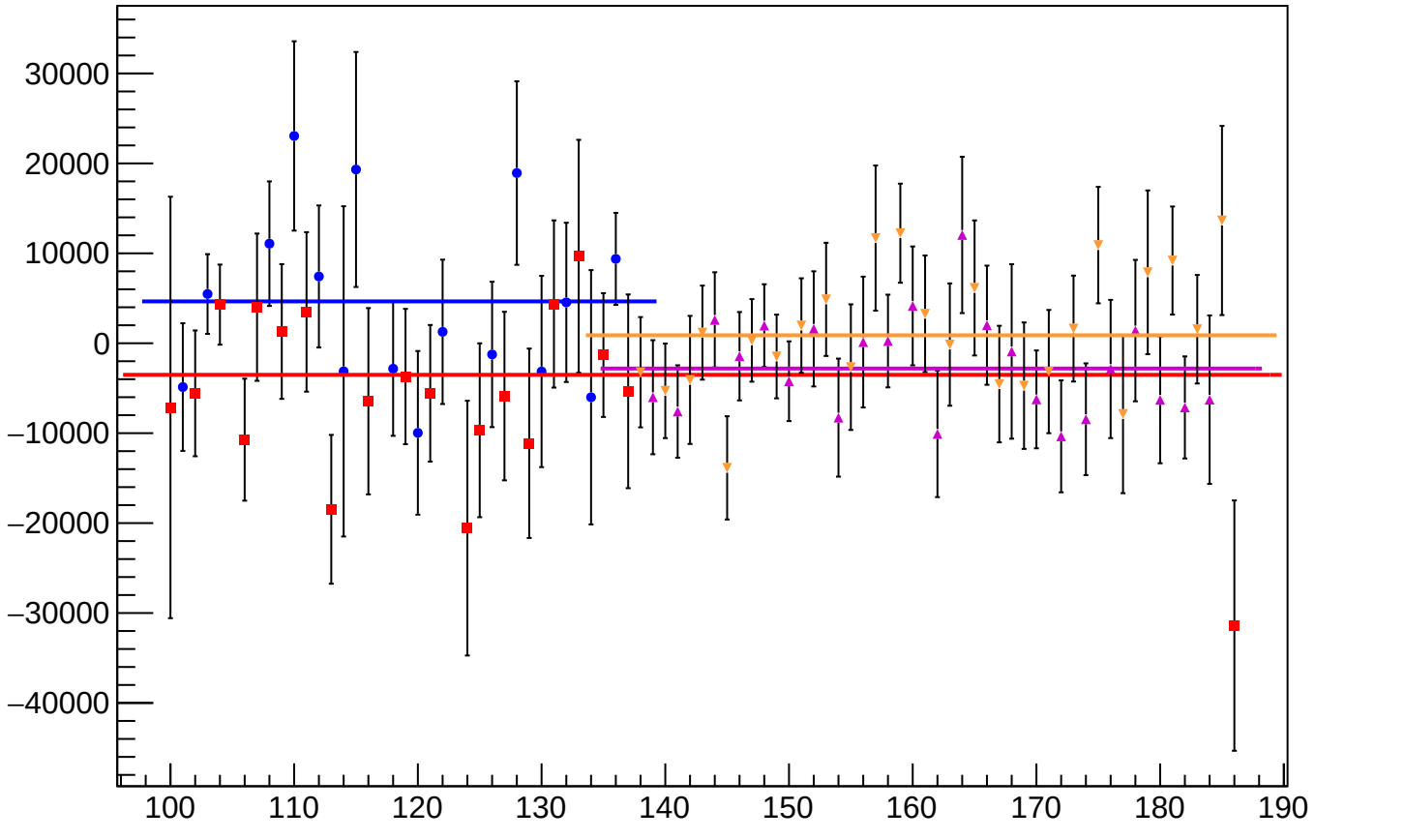
Right Out: 4697.353+/-1.226 χ^2/NDF: 1042192.5/19

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5235.812+/-0.733 χ^2/NDF: 1635711.6/40

All: 5163.349+/-0.514 χ^2/NDF: 4008851.8/83

- sign 5093.115+/-0.722 χ^2/NDF: 2353903.1/42



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

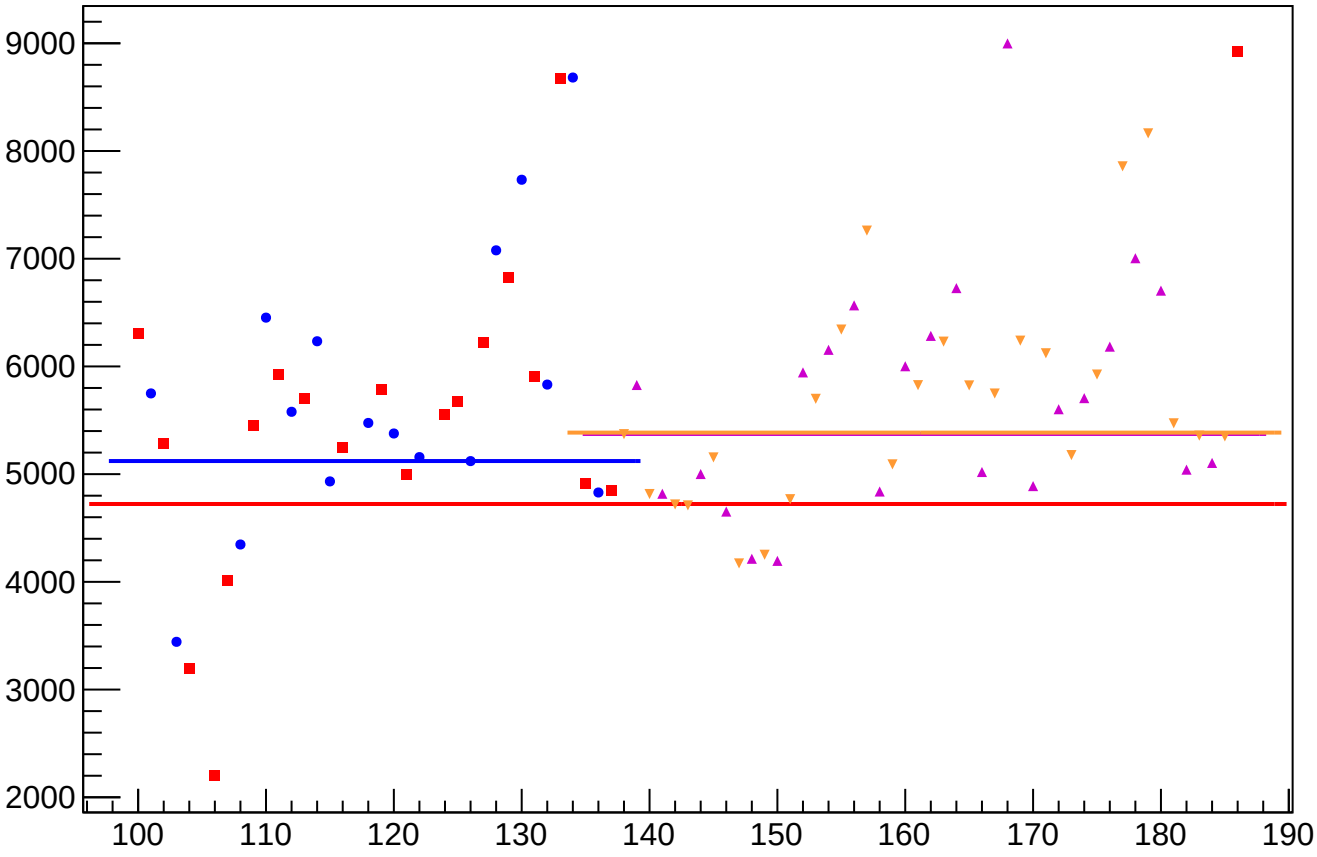
Right Out: -3511.368+/-1865.825 χ^2/NDF: 18.0/19

Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1971.682+/-1051.579 χ^2/NDF: 43.8/40

All: -525.673+/-744.413 χ^2/NDF: 87.9/83

- sign -3034.267+/-1053.943 χ^2/NDF: 32.8/42



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

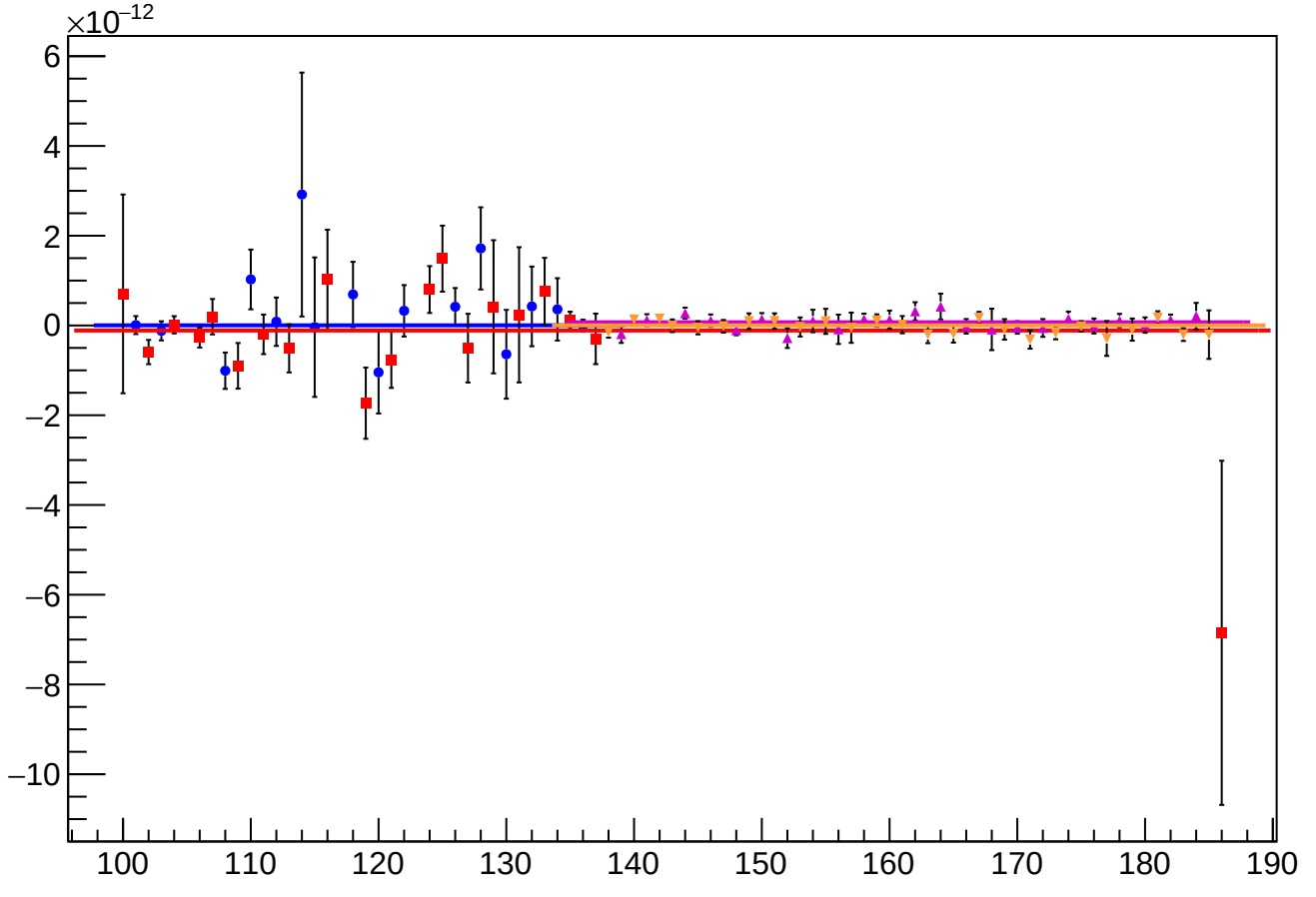
Right Out: 4722.874+/-1.270 χ^2/NDF: 1530393.8/19

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5309.540+/-0.744 χ^2/NDF: 1733325.0/40

All: 5231.210+/-0.523 χ^2/NDF: 4531538.1/83

- sign 5154.481+/-0.736 χ^2/NDF: 2776246.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

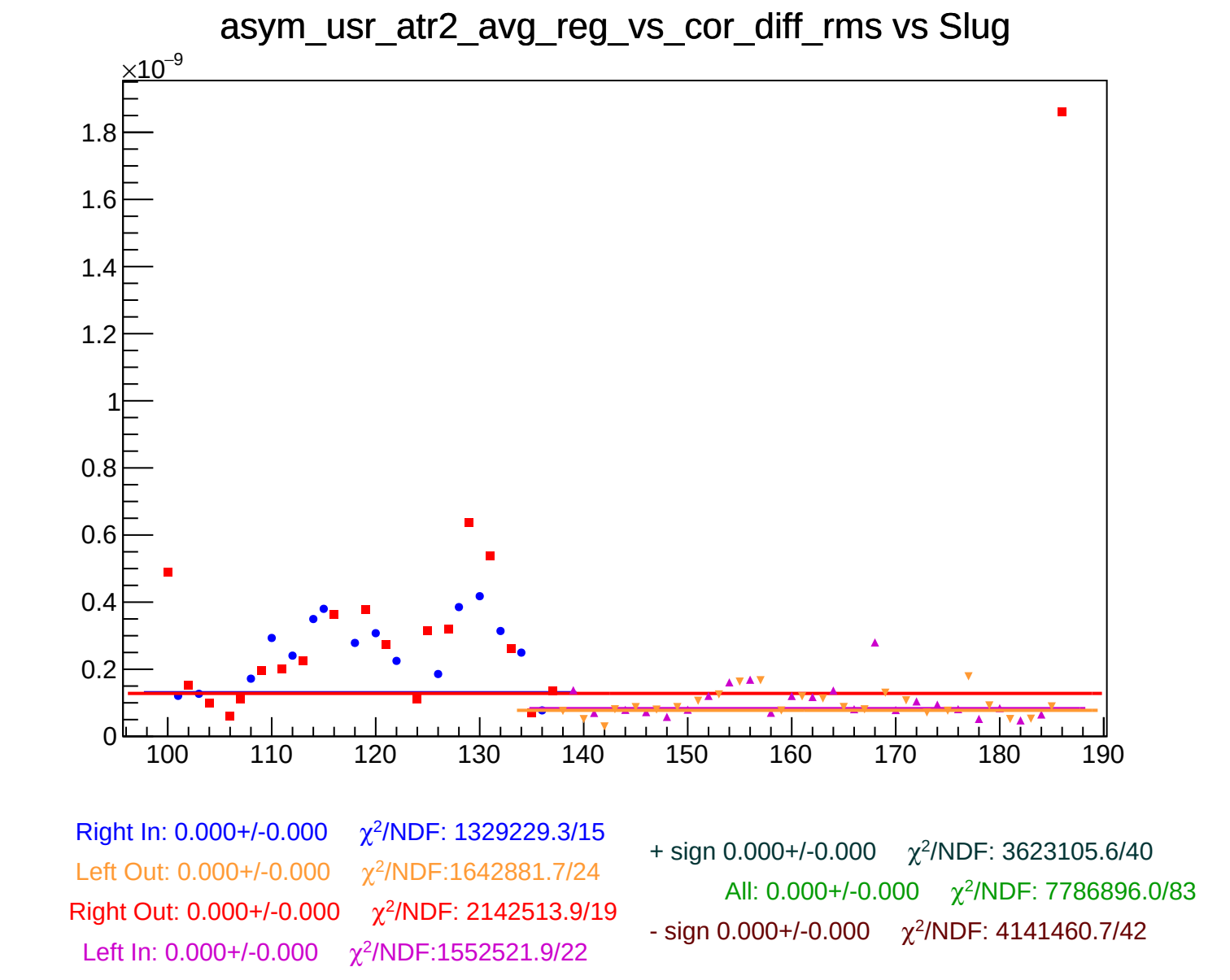
Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/19

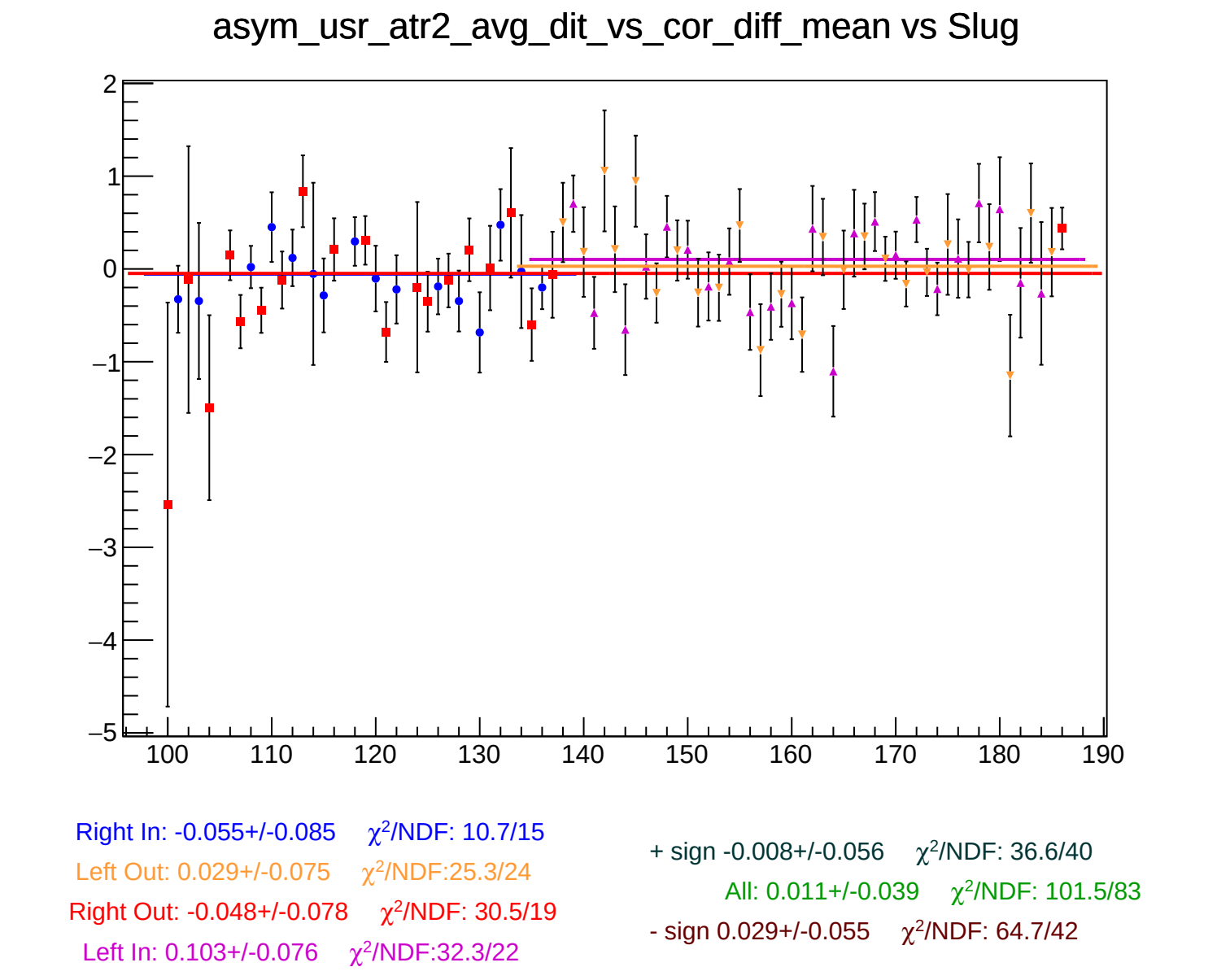
Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.4/40

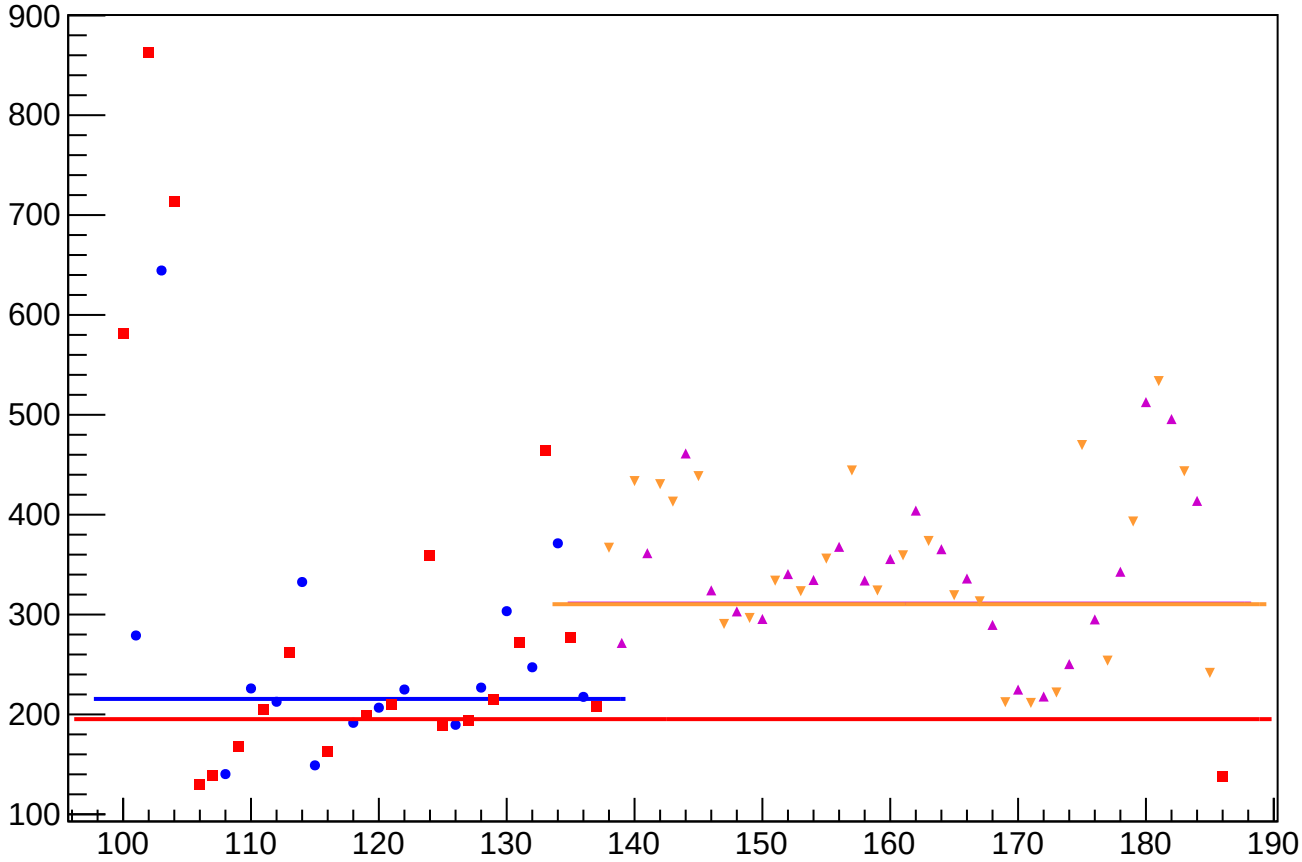
All: 0.000+/-0.000 χ^2/NDF: 85.2/83

- 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: 1329229.3/15
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: 3623105.6/40
All: 0.000+/-0.000 χ²/NDF: 7786896.0/83
- sign 0.000+/-0.000 χ²/NDF: 4141460.7/42


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
190
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.029+/-0.075 χ²/NDF:25.3/24
Right Out: -0.048+/-0.078 χ²/NDF: 30.5/19
Left In: 0.103+/-0.076 χ²/NDF:32.3/22
+ sign -0.008+/-0.056 χ²/NDF: 36.6/40
All: 0.011+/-0.039 χ²/NDF: 101.5/83
- sign 0.029+/-0.055 χ²/NDF: 64.7/42

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

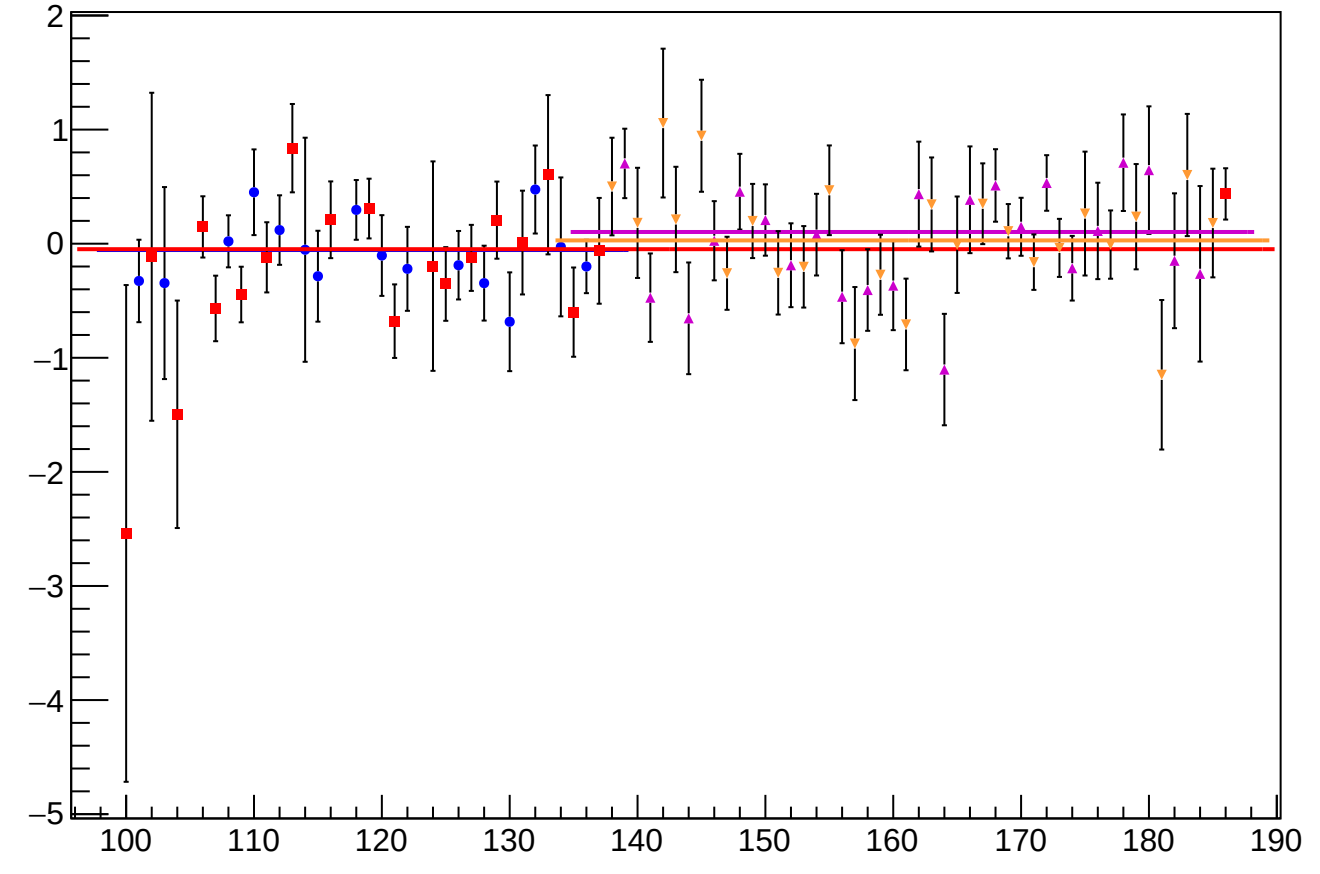
Right Out: 195.285+/-0.055 χ^2/NDF: 1986025.2/19

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 269.308+/-0.040 χ^2/NDF: 4908466.7/40

All: 261.660+/-0.028 χ^2/NDF: 10814493.2/83

- sign 254.465+/-0.039 χ^2/NDF: 5834227.7/42



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

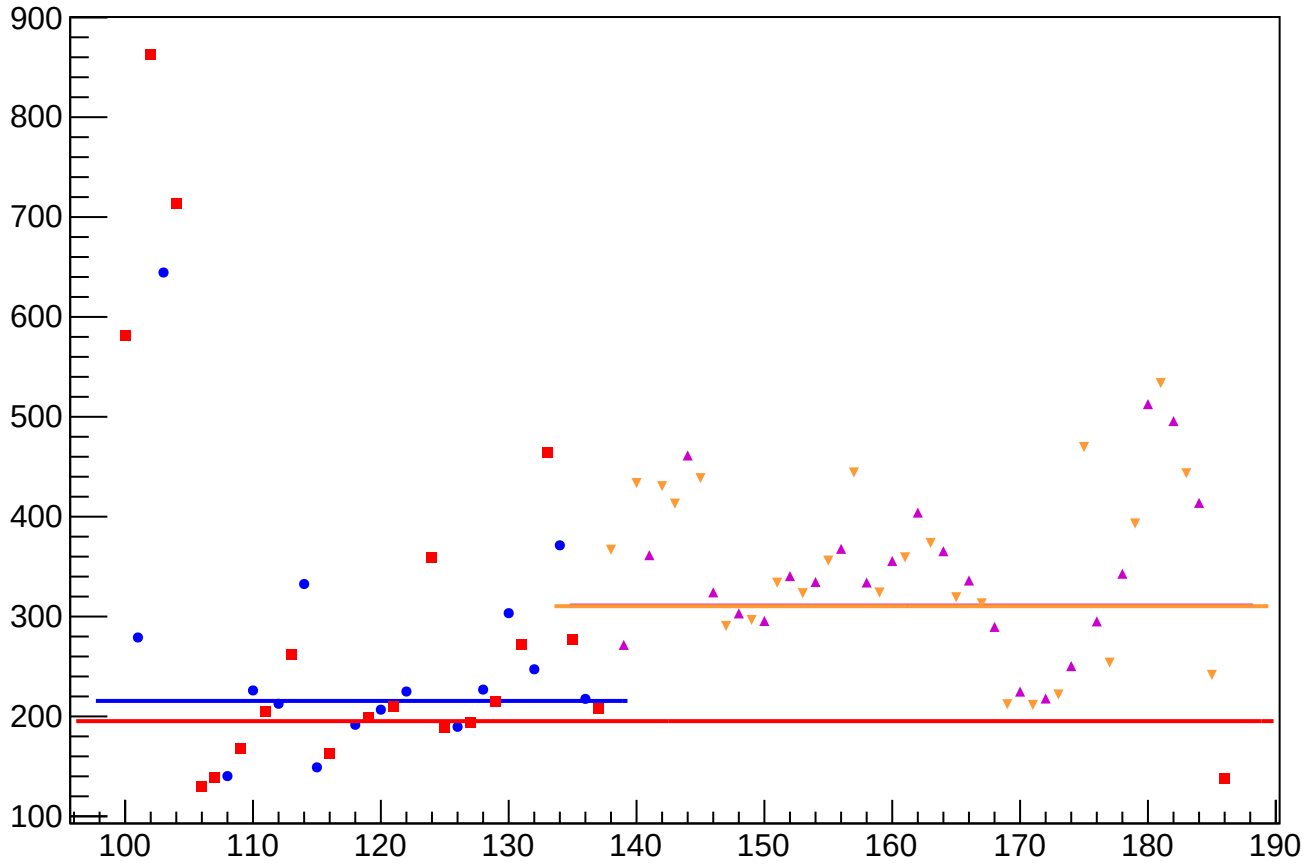
Right Out: -0.048+/-0.078 χ^2/NDF: 30.5/19

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.008+/-0.056 χ^2/NDF: 36.6/40

All: 0.011+/-0.039 χ^2/NDF: 101.5/83

- sign 0.029+/-0.055 χ^2/NDF: 64.7/42



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

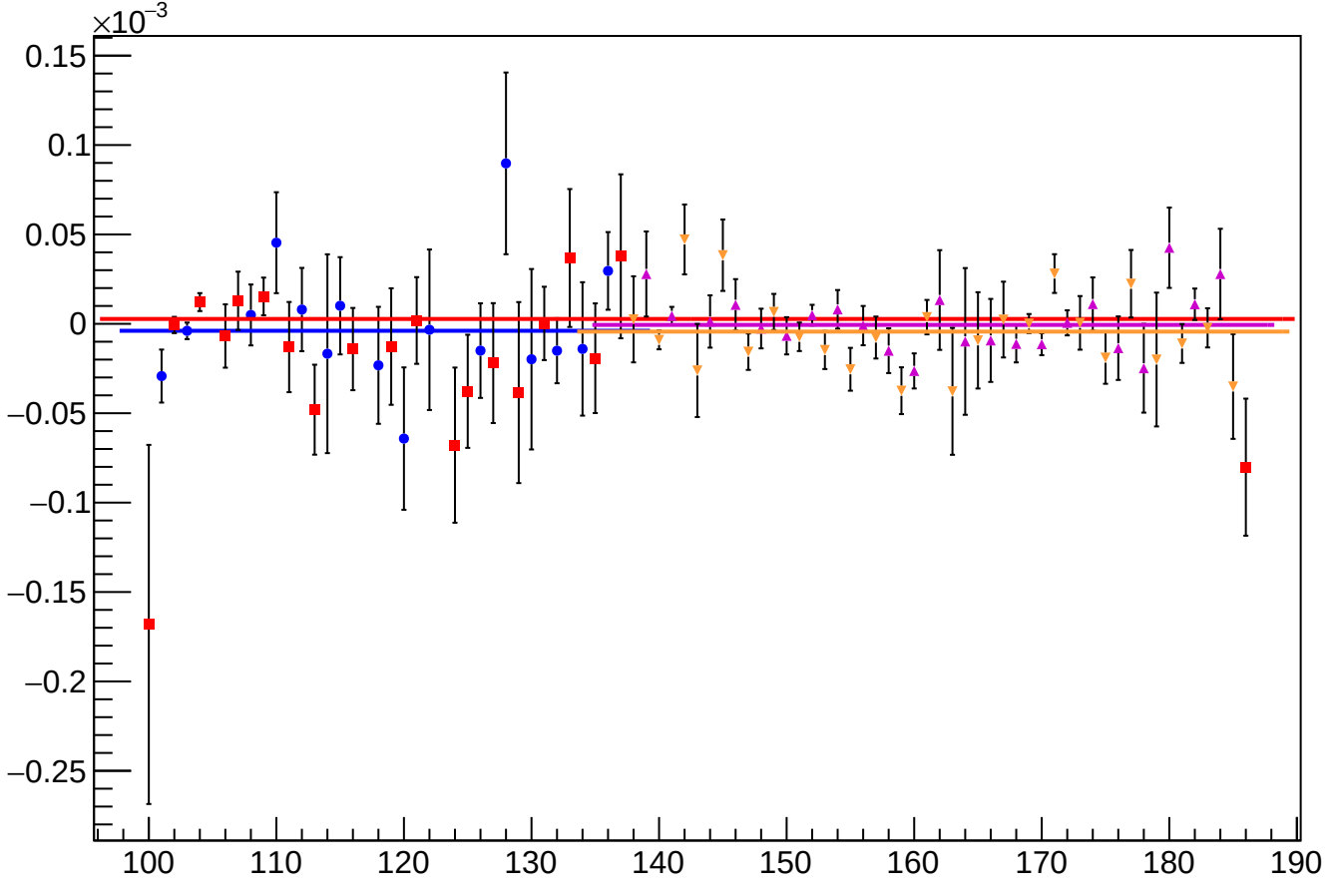
Right Out: 195.285+/-0.055 χ^2/NDF: 1986025.2/19

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 269.308+/-0.040 χ^2/NDF: 4908466.7/40

All: 261.660+/-0.028 χ^2/NDF: 10814493.2/83

- sign 254.465+/-0.039 χ^2/NDF: 5834227.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

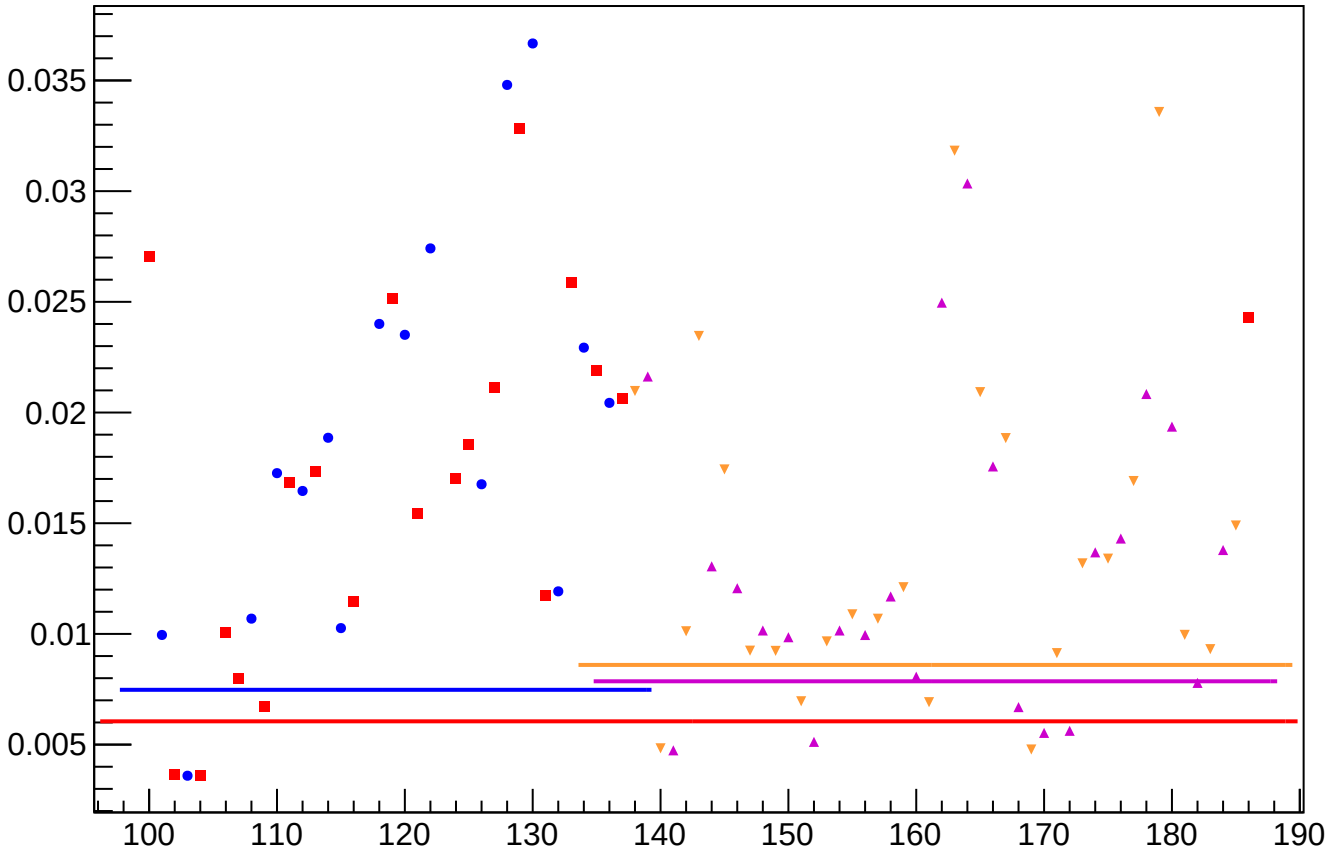
Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/19

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.3/40

All: -0.000+/-0.000 χ^2/NDF: 115.5/83

- sign 0.000+/-0.000 χ^2/NDF: 53.8/42



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

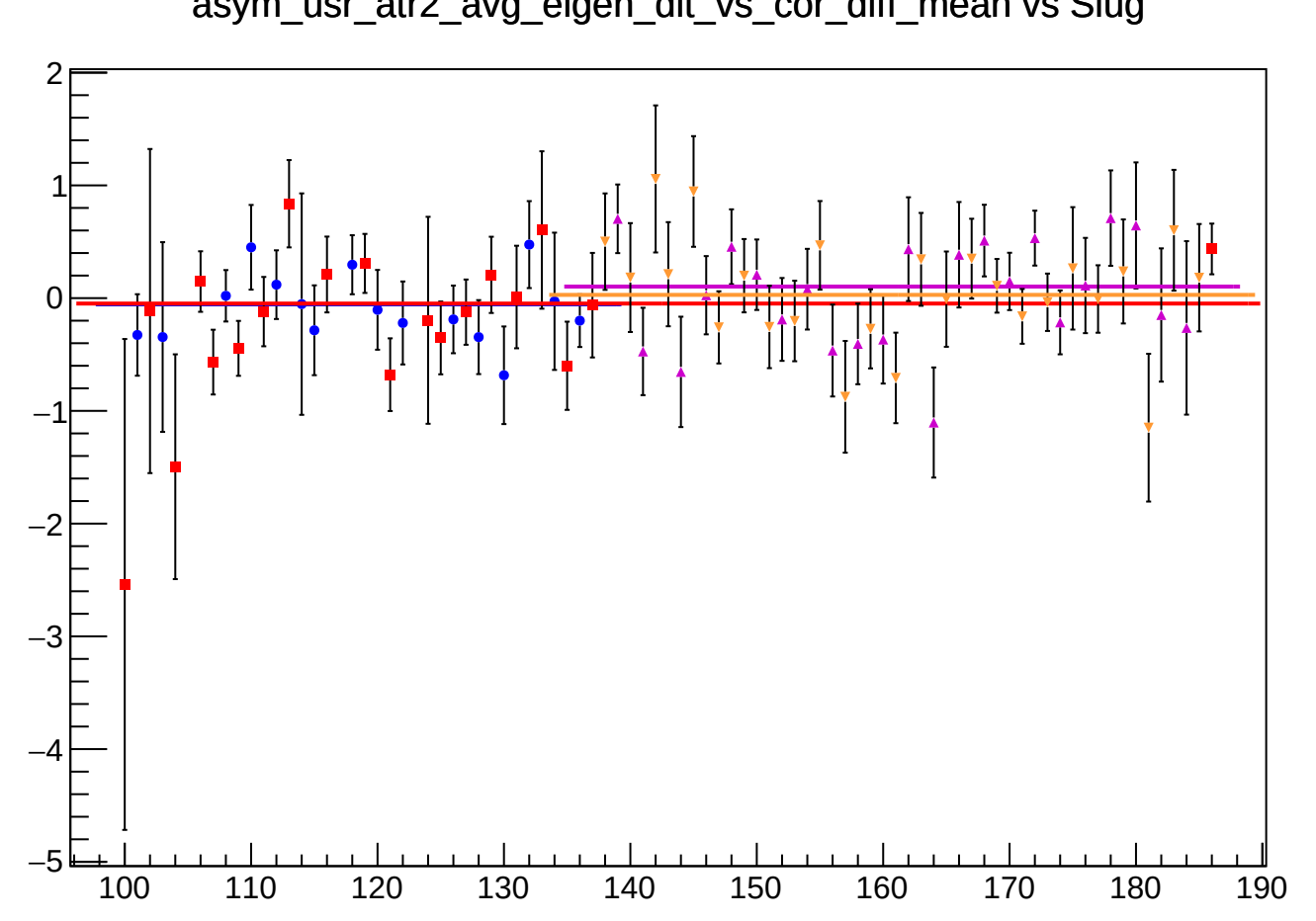
Right Out: 0.006+/-0.000 χ^2/NDF: 6390277.8/19

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 13859949.8/40

All: 0.008+/-0.000 χ^2/NDF: 27889922.1/83

- sign 0.007+/-0.000 χ^2/NDF: 13675120.1/42



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

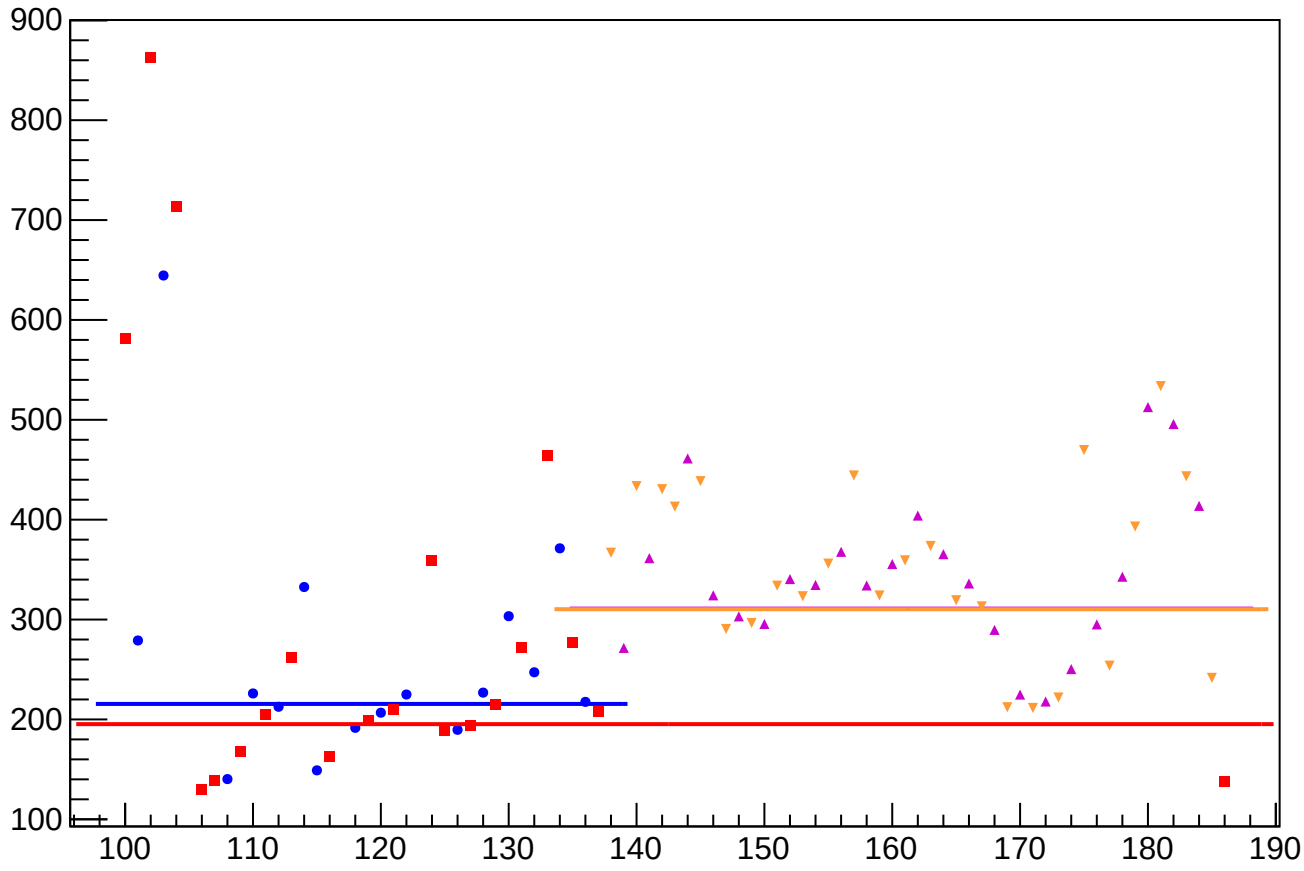
Right Out: -0.048+/-0.078 χ^2/NDF: 30.5/19

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.008+/-0.056 χ^2/NDF: 36.6/40

All: 0.011+/-0.039 χ^2/NDF: 101.5/83

- sign 0.029+/-0.055 χ^2/NDF: 64.7/42



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

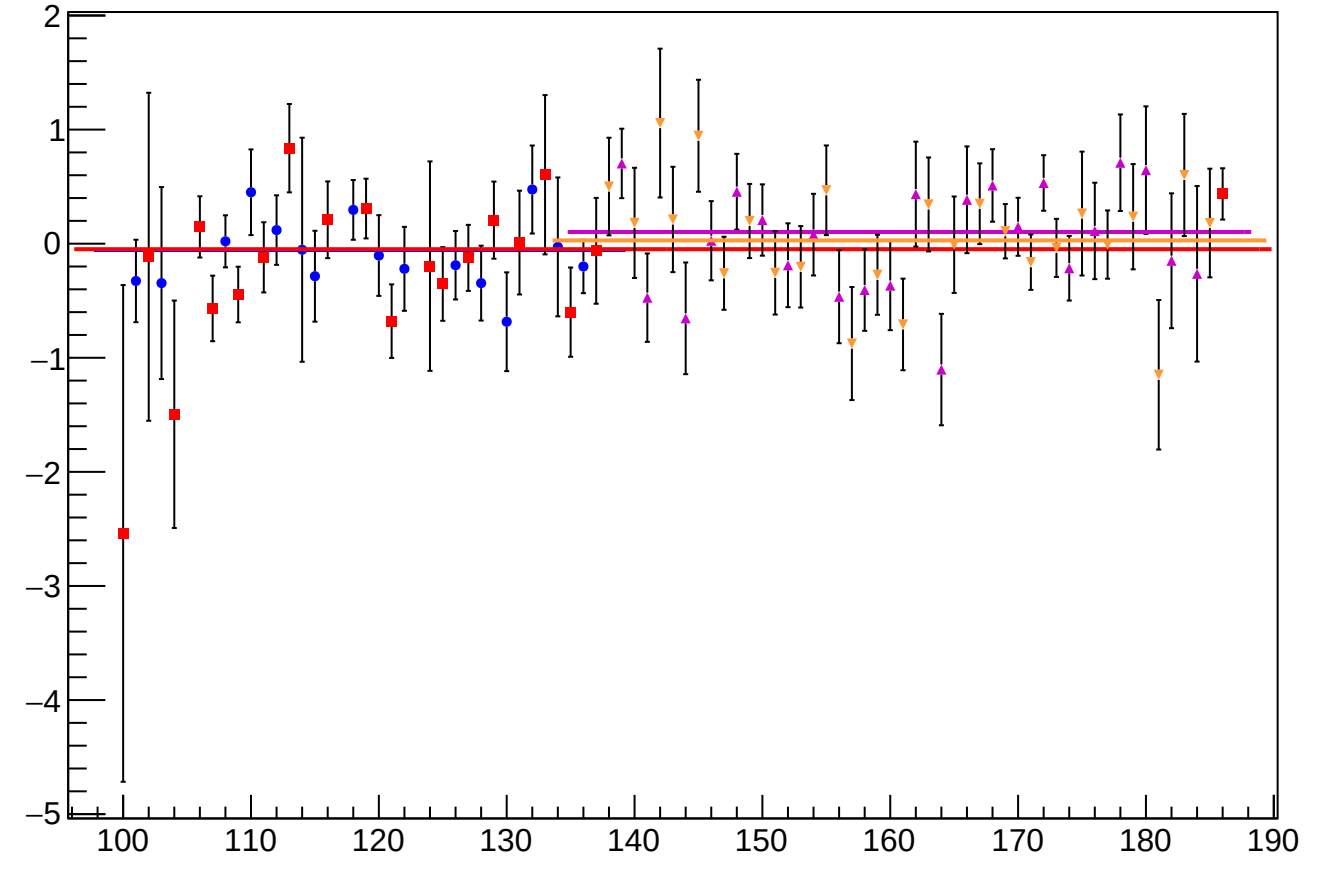
Right Out: 195.284+/-0.055 χ^2/NDF: 1986001.1/19

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 269.308+/-0.040 χ^2/NDF: 4908631.6/40

All: 261.660+/-0.028 χ^2/NDF: 10814838.1/83

- sign 254.465+/-0.039 χ^2/NDF: 5834404.3/42



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

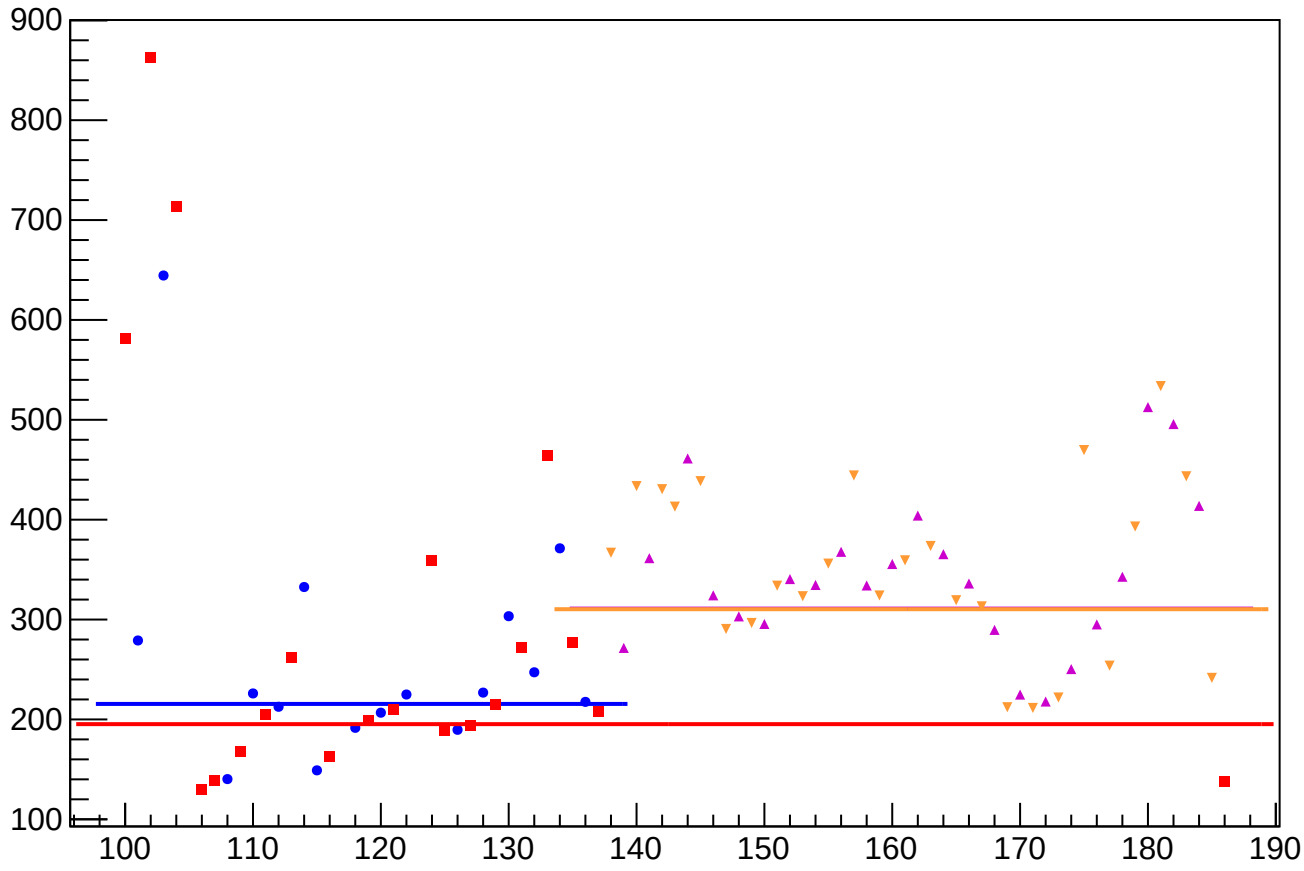
Right Out: -0.048+/-0.078 χ^2/NDF: 30.5/19

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.008+/-0.056 χ^2/NDF: 36.6/40

All: 0.011+/-0.039 χ^2/NDF: 101.5/83

- sign 0.029+/-0.055 χ^2/NDF: 64.7/42



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

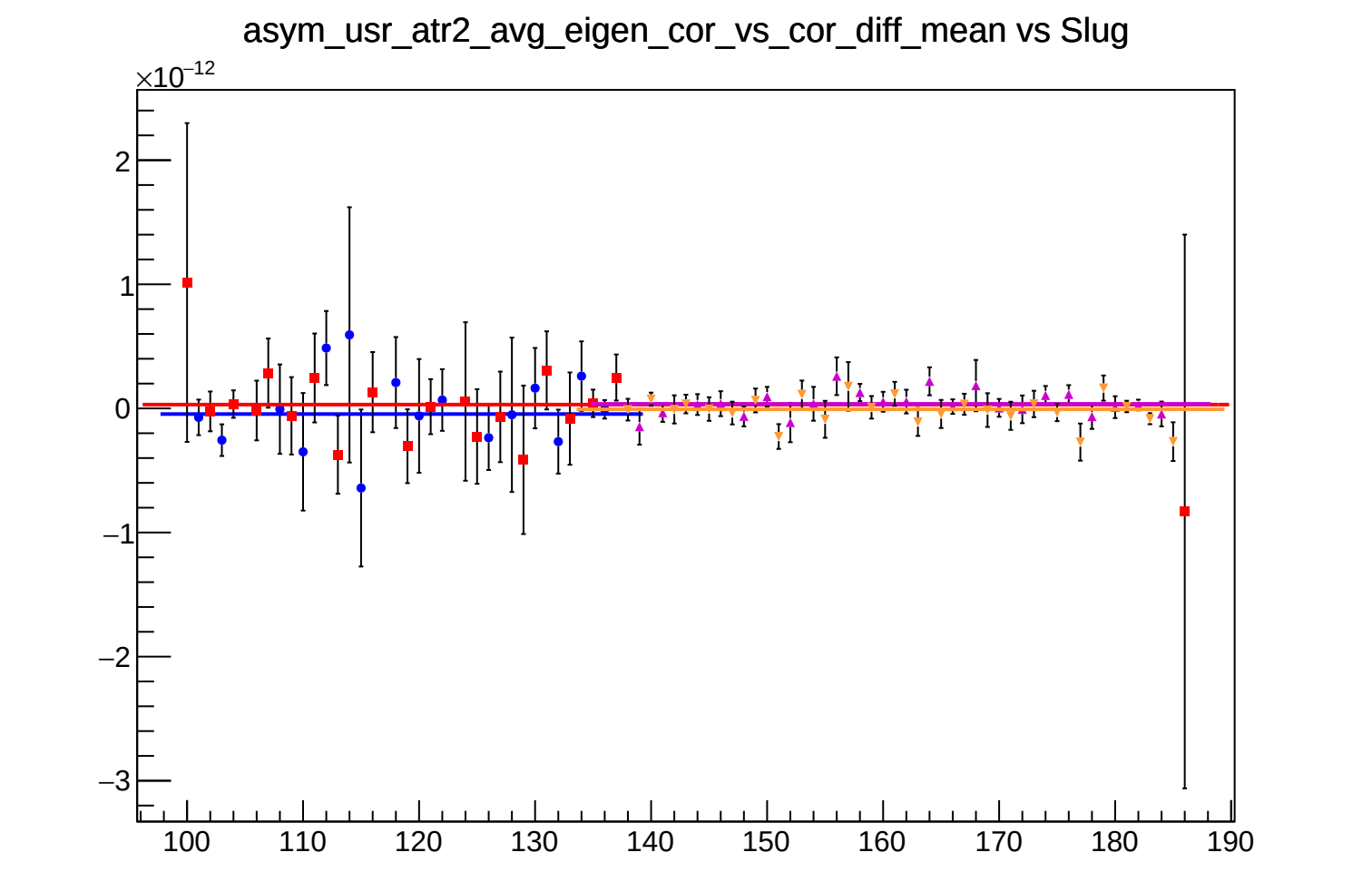
Right Out: 195.284+/-0.055 χ^2/NDF: 1986001.1/19

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 269.308+/-0.040 χ^2/NDF: 4908631.6/40

All: 261.660+/-0.028 χ^2/NDF: 10814838.1/83

- sign 254.465+/-0.039 χ^2/NDF: 5834404.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

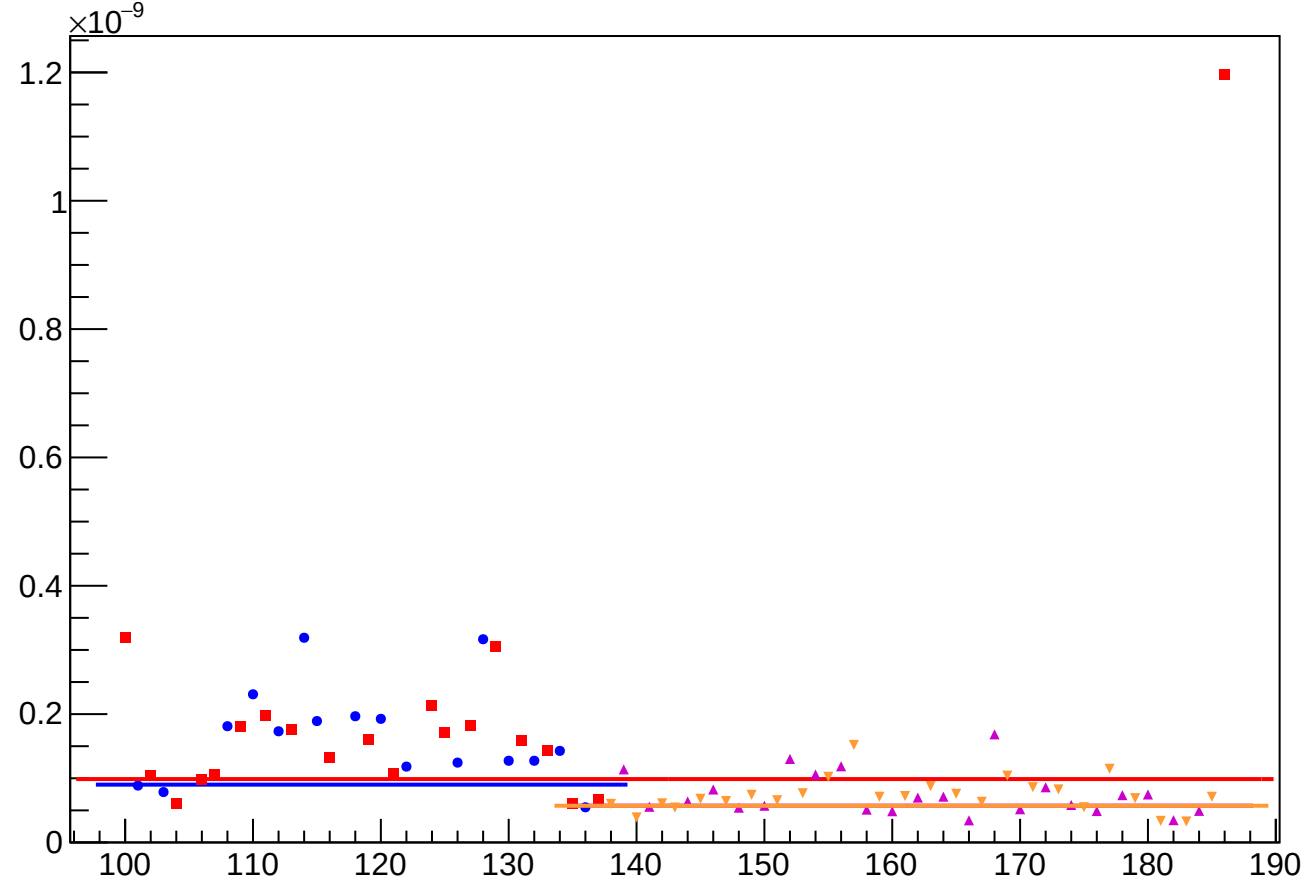
Right Out: 0.000+/-0.000 χ^2/NDF: 8.5/19

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.8/40

All: 0.000+/-0.000 χ^2/NDF: 67.2/83

- sign 0.000+/-0.000 χ^2/NDF: 25.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2179575.0/19

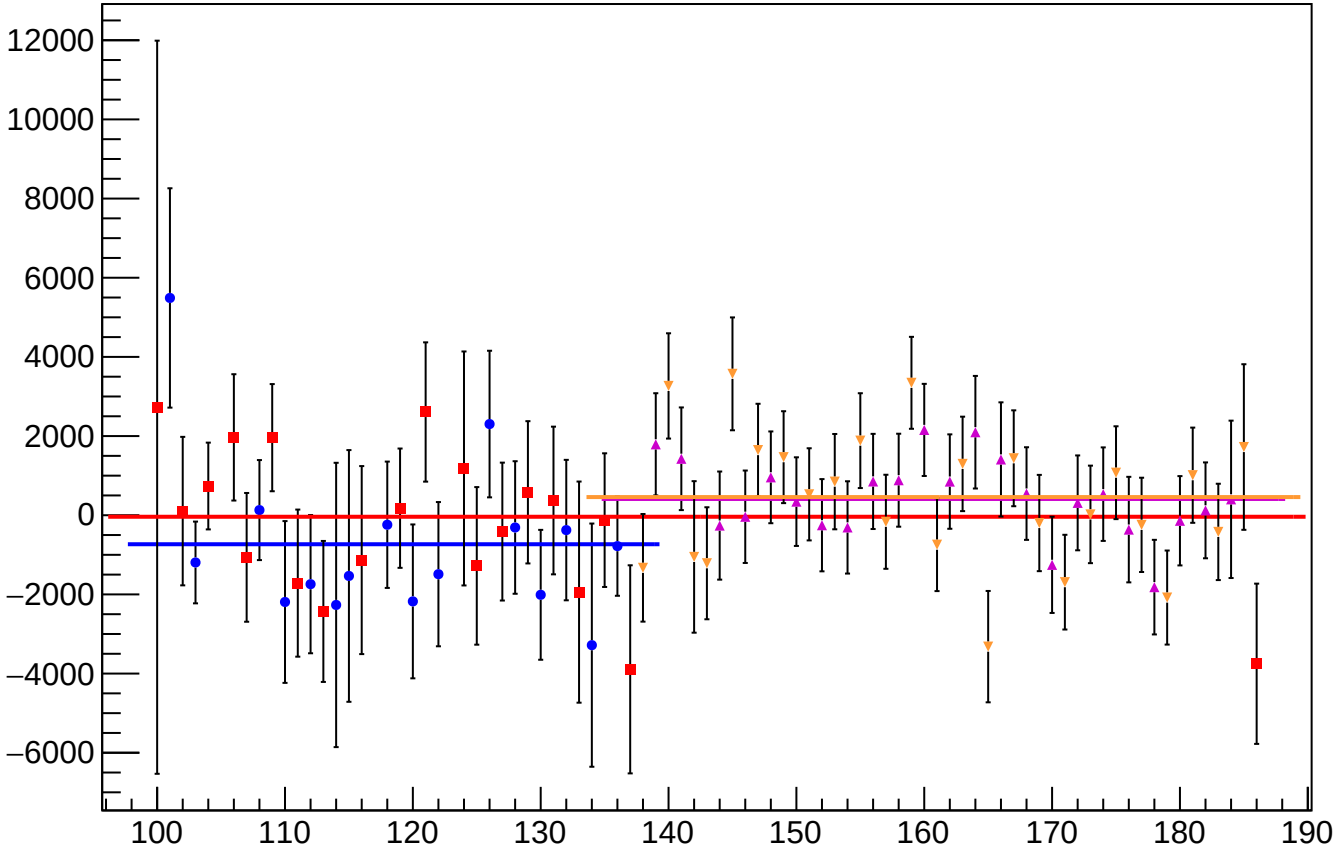
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5922509.3/40

All: 0.000+/-0.000 χ^2/NDF: 12542913.5/83

- sign 0.000+/-0.000 χ^2/NDF: 6617222.8/42

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -38.381+/-403.194 χ^2/NDF: 16.6/19

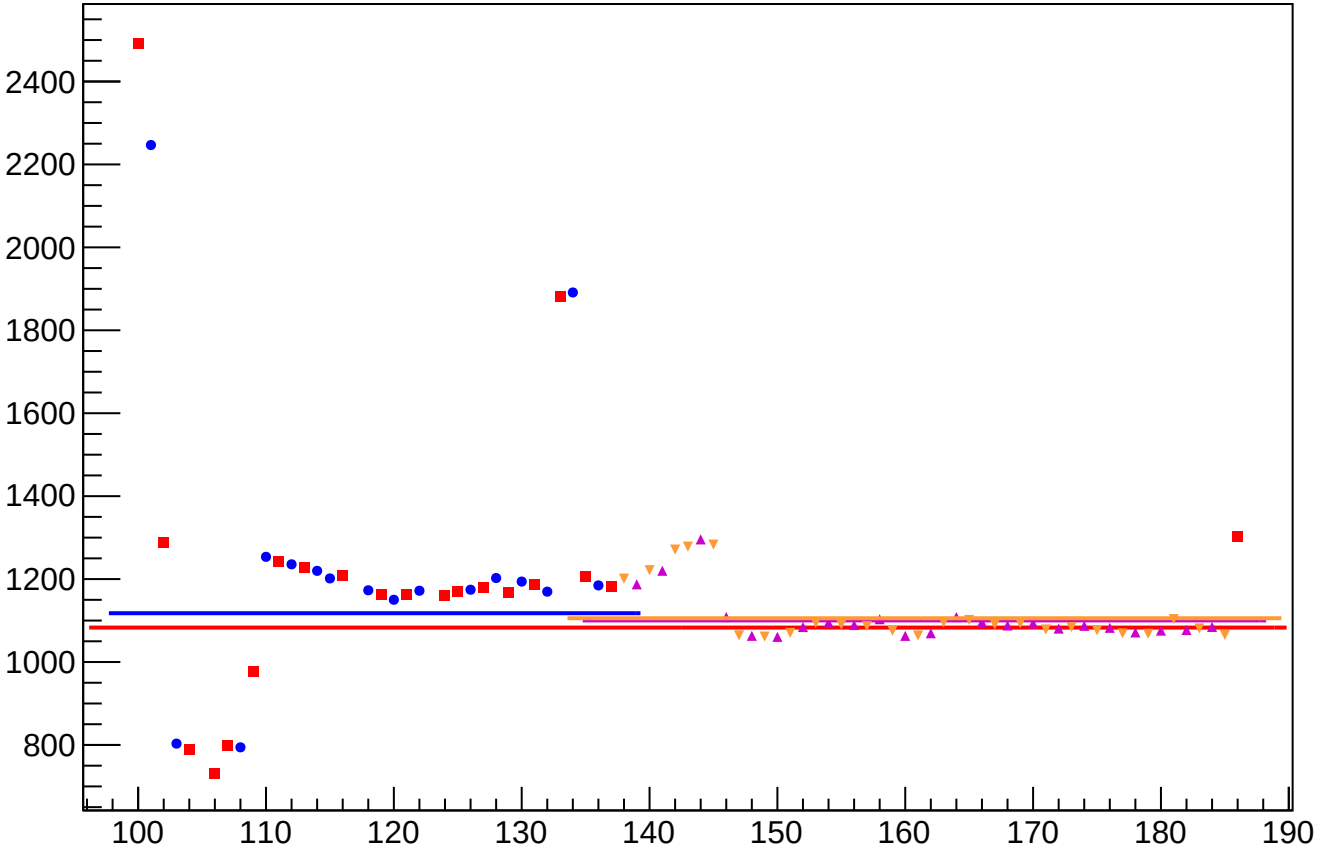
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 152.231+/-216.779 χ^2/NDF: 59.6/40

All: 216.703+/-153.307 χ^2/NDF: 90.9/83

- sign 281.211+/-216.839 χ^2/NDF: 31.2/42

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

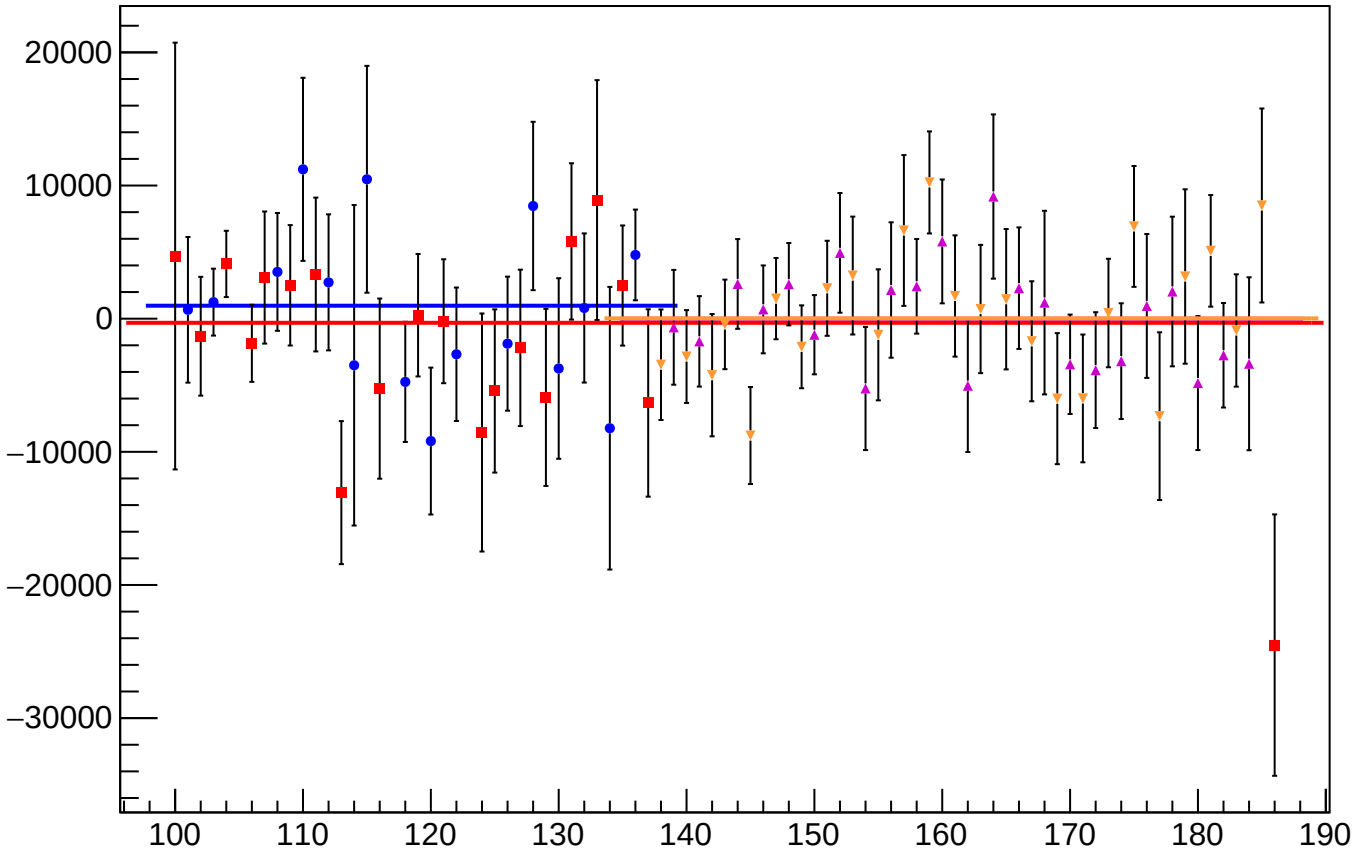
Right Out: 1083.053+/-0.283 χ^2/NDF: 673908.9/19

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1108.671+/-0.153 χ^2/NDF: 942982.6/40

All: 1101.967+/-0.108 χ^2/NDF: 1703595.8/83

- sign 1095.290+/-0.153 χ^2/NDF: 756795.4/42



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -308.777+/-1106.795 χ^2/NDF: 22.7/19

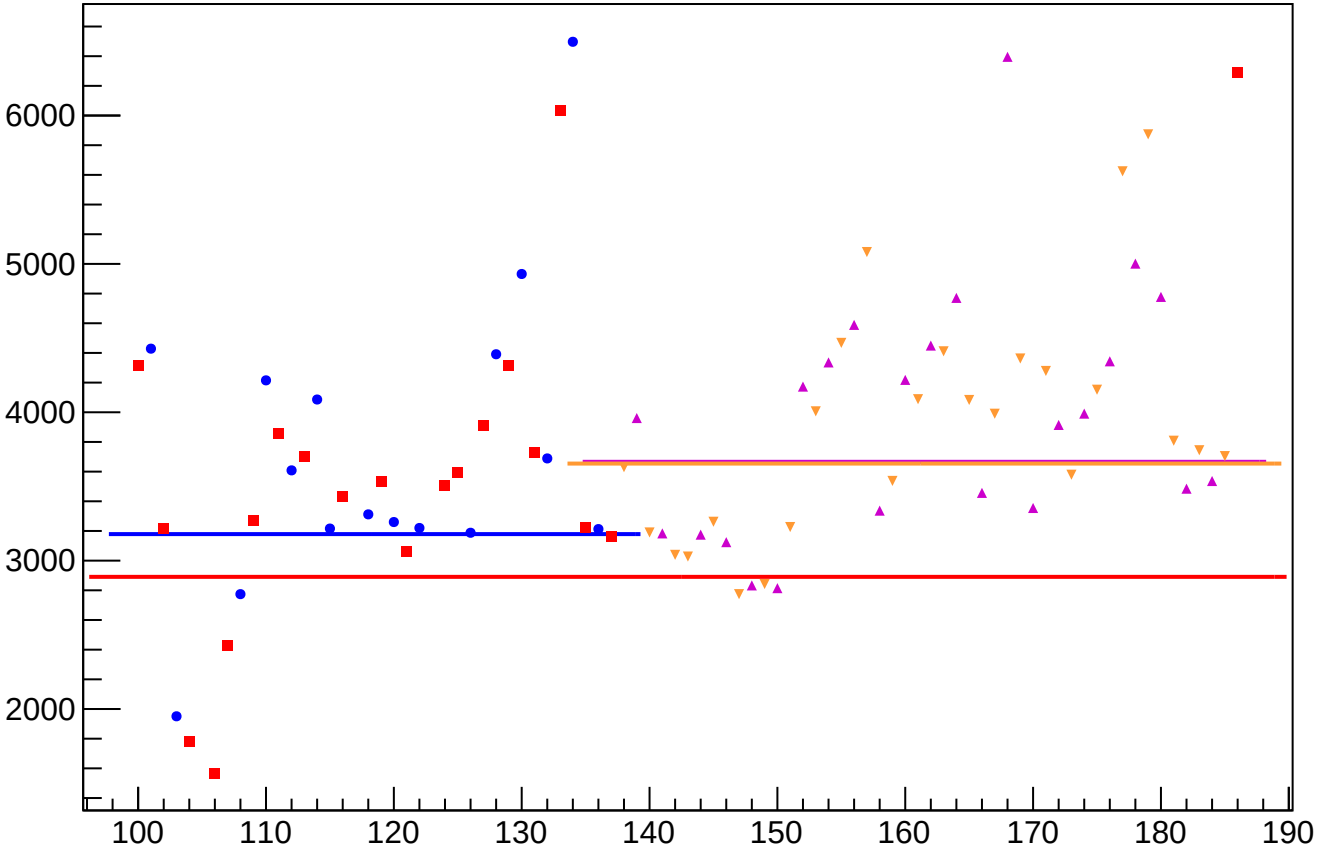
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 329.809+/-700.002 χ^2/NDF: 42.7/40

All: 99.163+/-490.144 χ^2/NDF: 79.7/83

- sign -122.690+/-686.529 χ^2/NDF: 36.8/42

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 2890.744+/-0.783 χ^2/NDF: 1753630.0/19

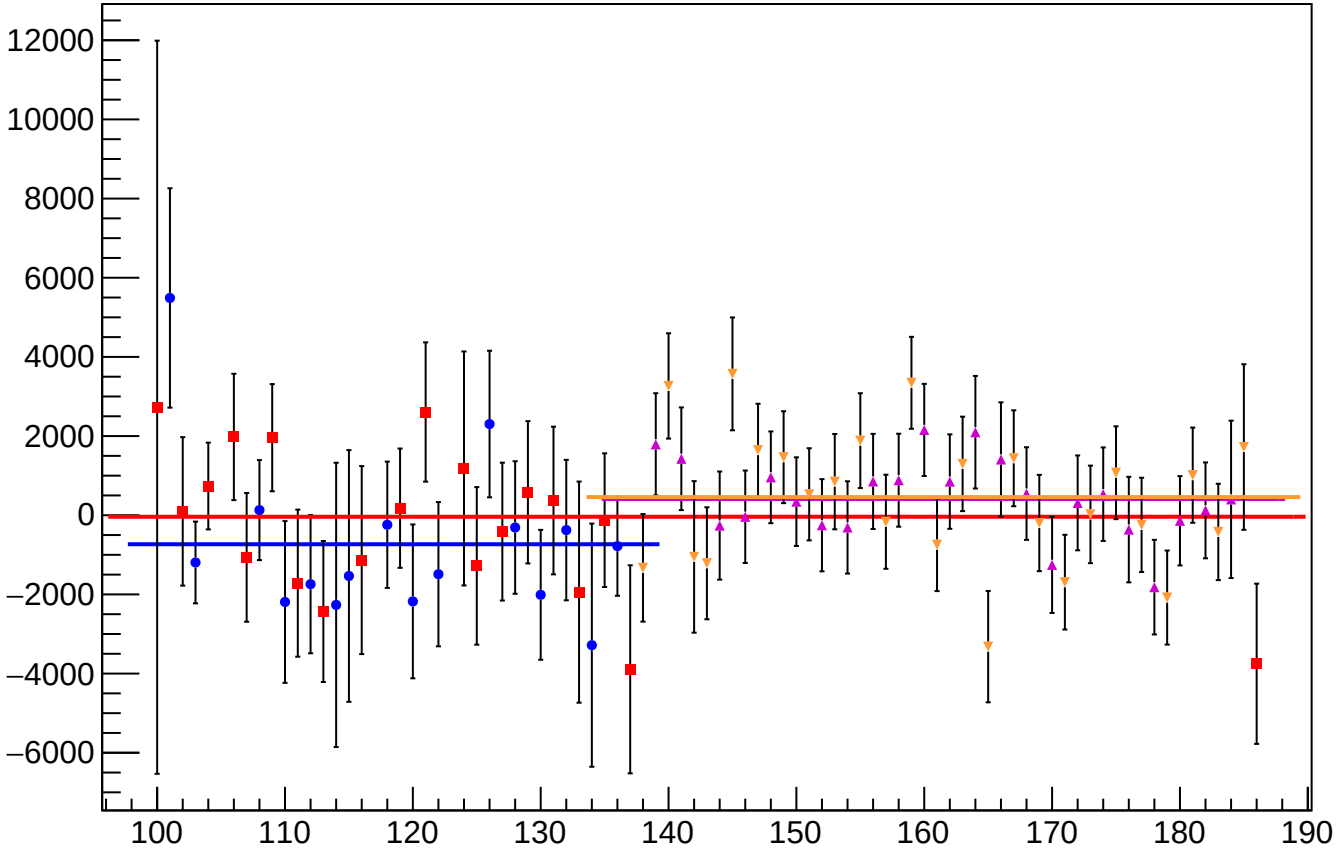
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3500.934+/-0.495 χ^2/NDF: 2604909.5/40

All: 3433.068+/-0.347 χ^2/NDF: 6343032.2/83

- sign 3367.789+/-0.485 χ^2/NDF: 3701241.2/42

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -38.119+/-403.198 χ^2/NDF: 16.6/19

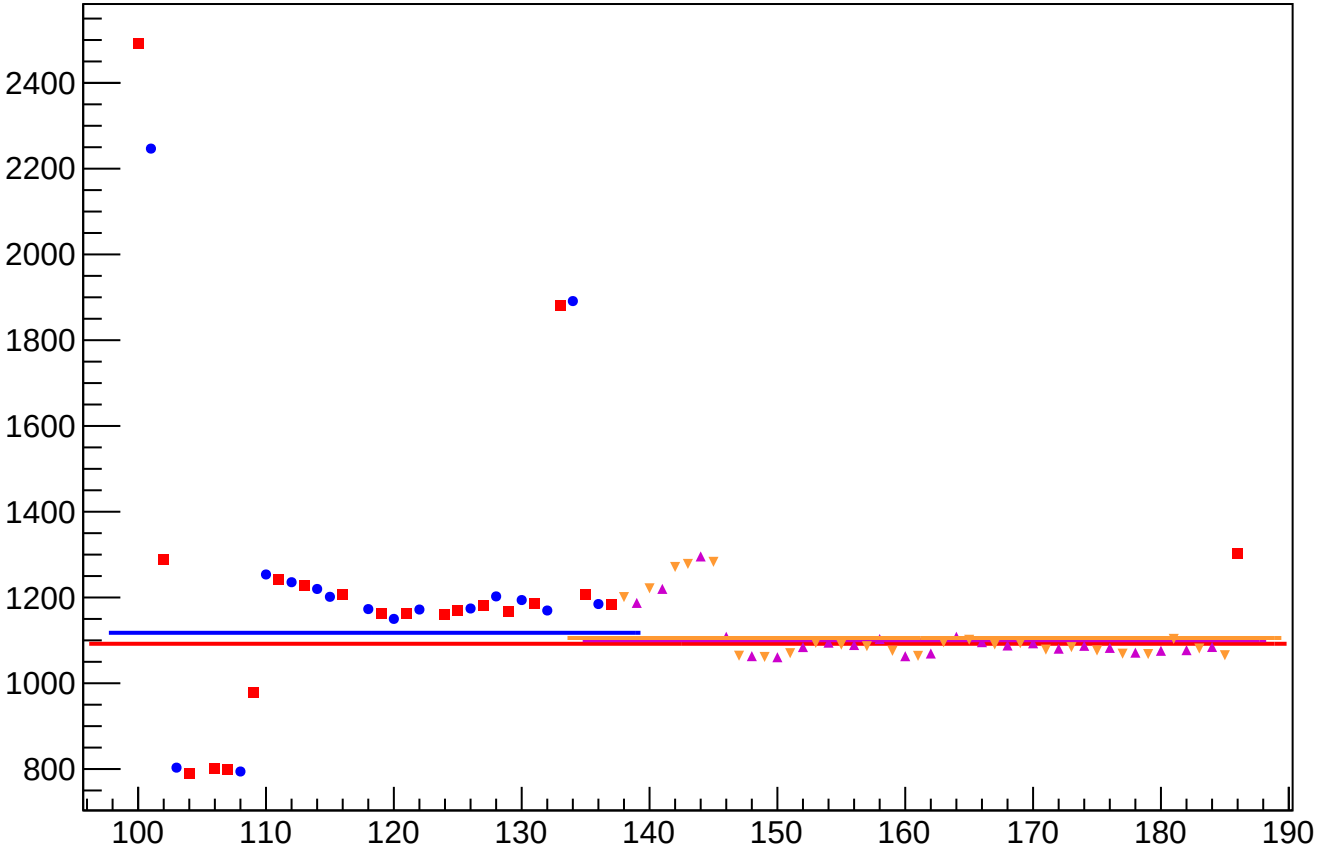
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 152.294+/-216.779 χ^2/NDF: 59.6/40

All: 216.739+/-153.307 χ^2/NDF: 90.9/83

- sign 281.219+/-216.839 χ^2/NDF: 31.2/42

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

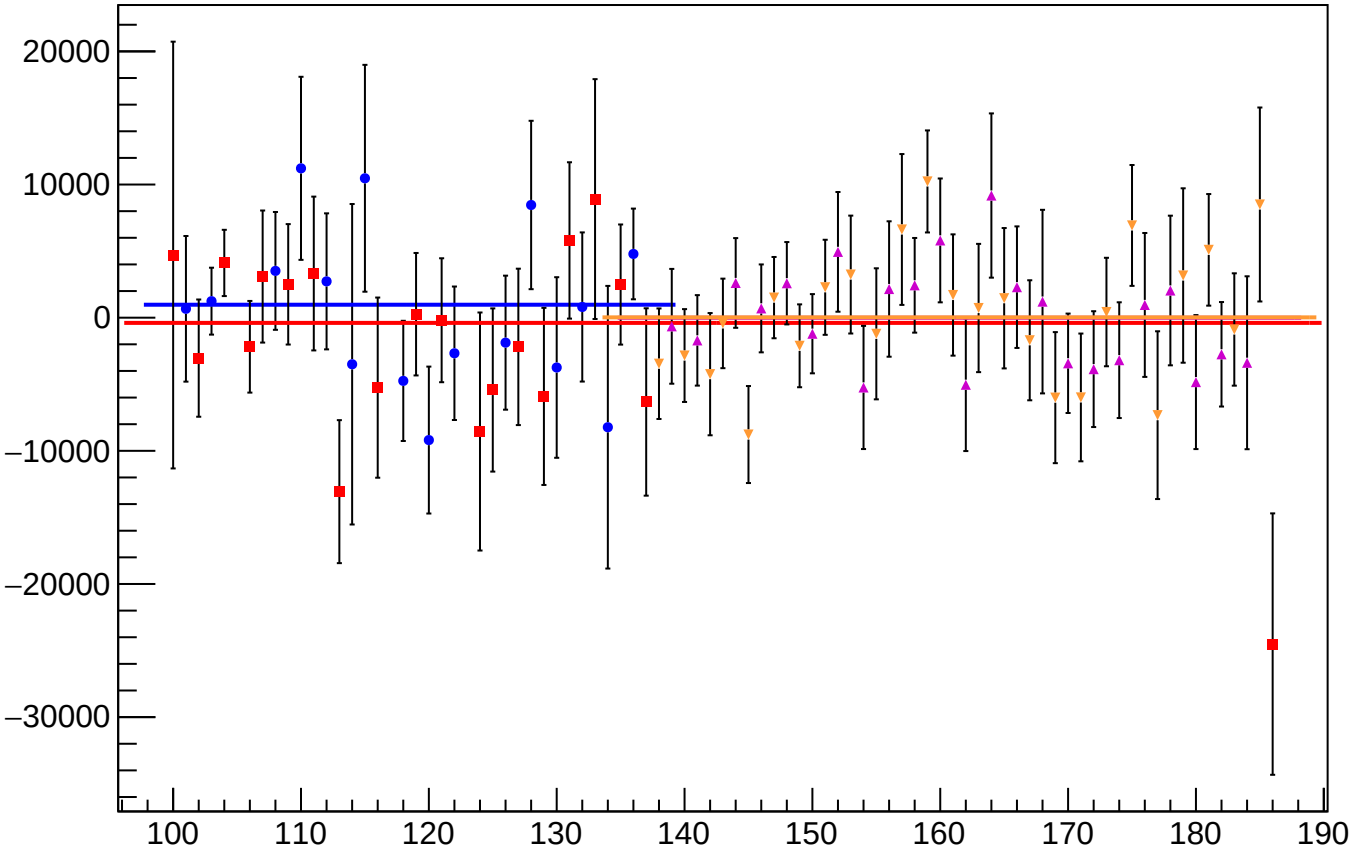
Right Out: 1092.070+/-0.285 χ^2/NDF: 617462.2/19

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1108.671+/-0.153 χ^2/NDF: 942979.3/40

All: 1103.309+/-0.108 χ^2/NDF: 1643730.2/83

- sign 1097.949+/-0.153 χ^2/NDF: 698303.8/42



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

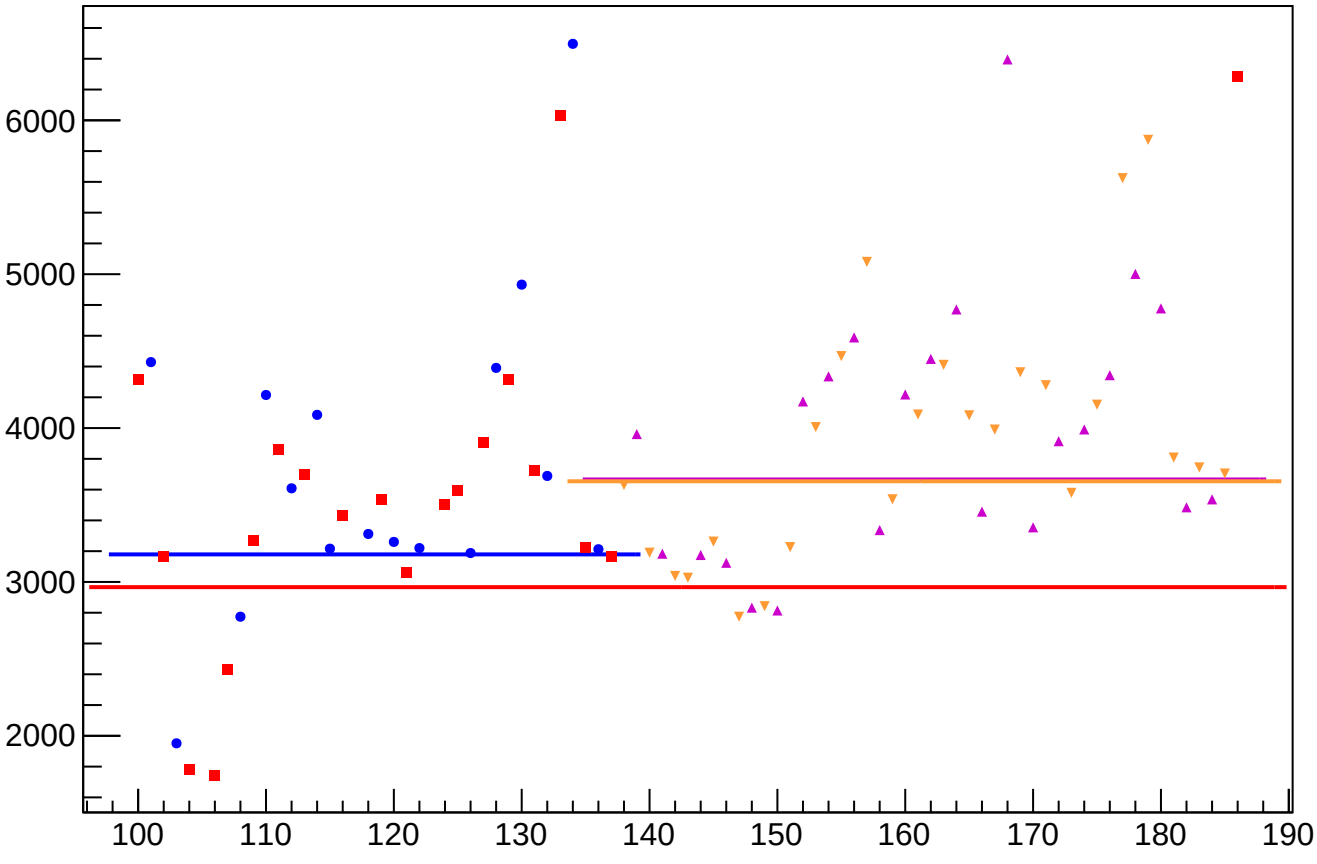
Right Out: -391.237+/-1130.324 χ^2/NDF: 23.1/19

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 329.629+/-700.011 χ^2/NDF: 42.7/40

All: 86.746+/-492.139 χ^2/NDF: 80.1/83

- sign -150.634+/-692.036 χ^2/NDF: 37.2/42



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 2966.258+/-0.799 χ^2/NDF: 1544824.8/19

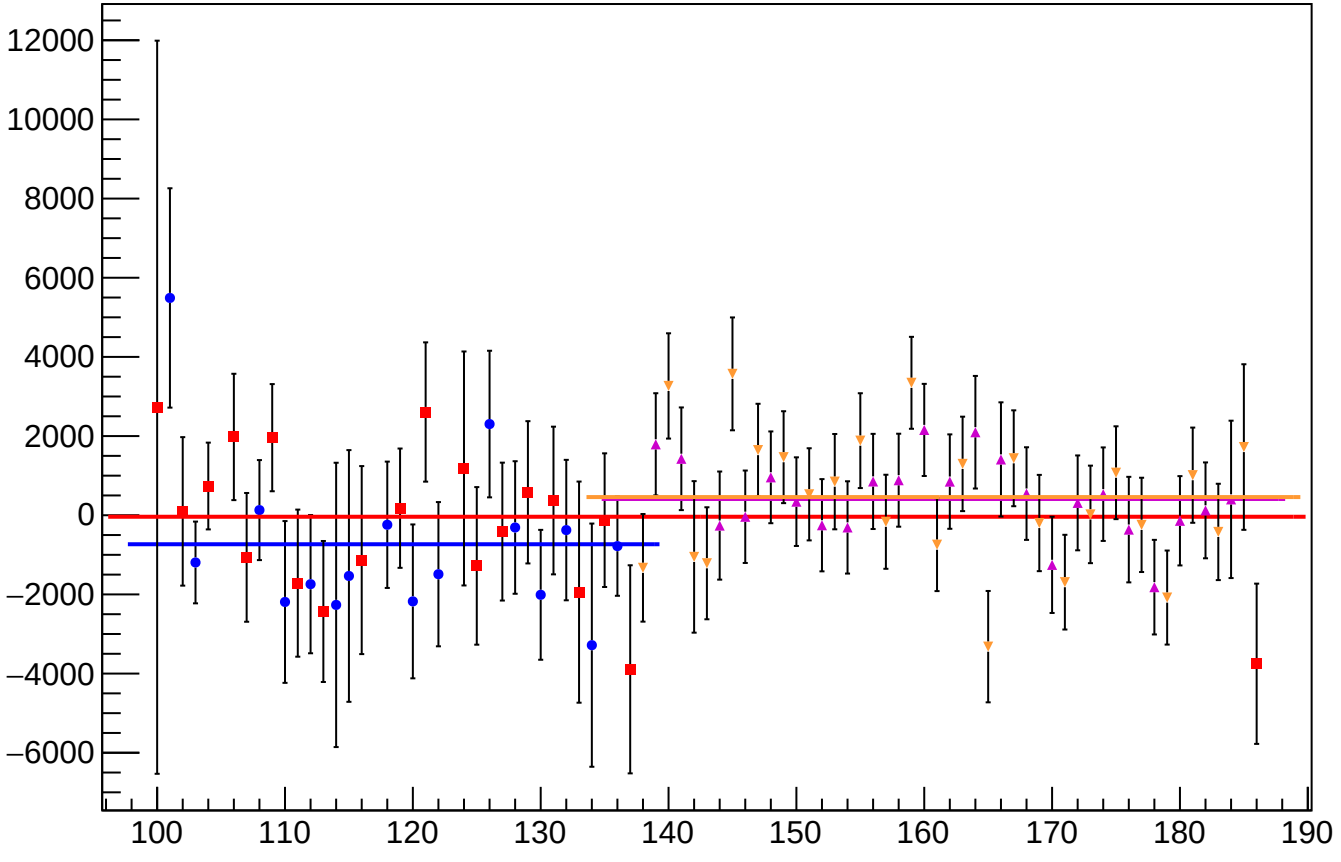
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

\+ sign 3501.000+/-0.495 χ^2/NDF: 2604307.8/40

All: 3451.831+/-0.348 χ^2/NDF: 5991679.1/83

\- sign 3403.777+/-0.489 χ^2/NDF: 3367860.6/42

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -38.119+/-403.198 χ^2/NDF: 16.6/19

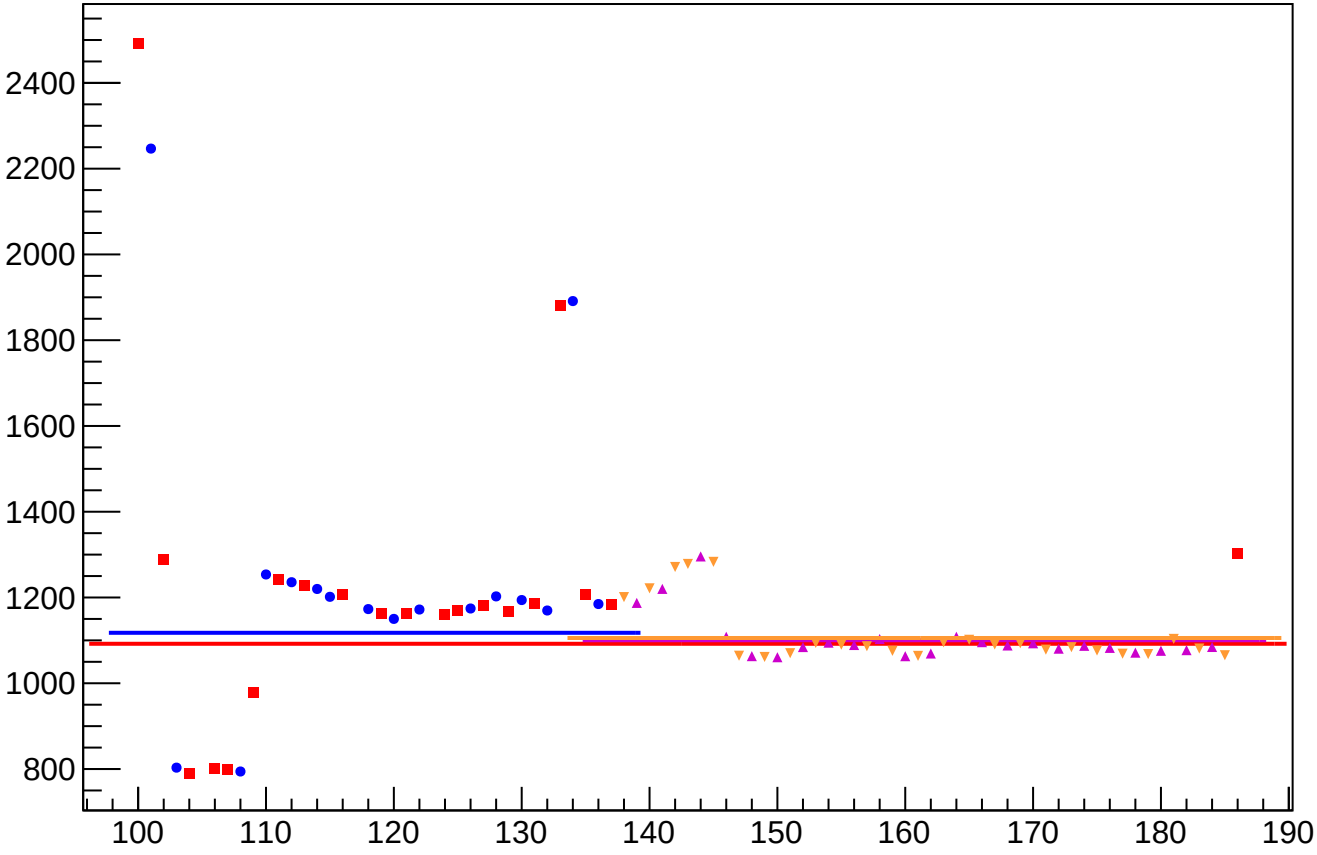
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 152.294+/-216.779 χ^2/NDF: 59.6/40

All: 216.739+/-153.307 χ^2/NDF: 90.9/83

- sign 281.219+/-216.839 χ^2/NDF: 31.2/42

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

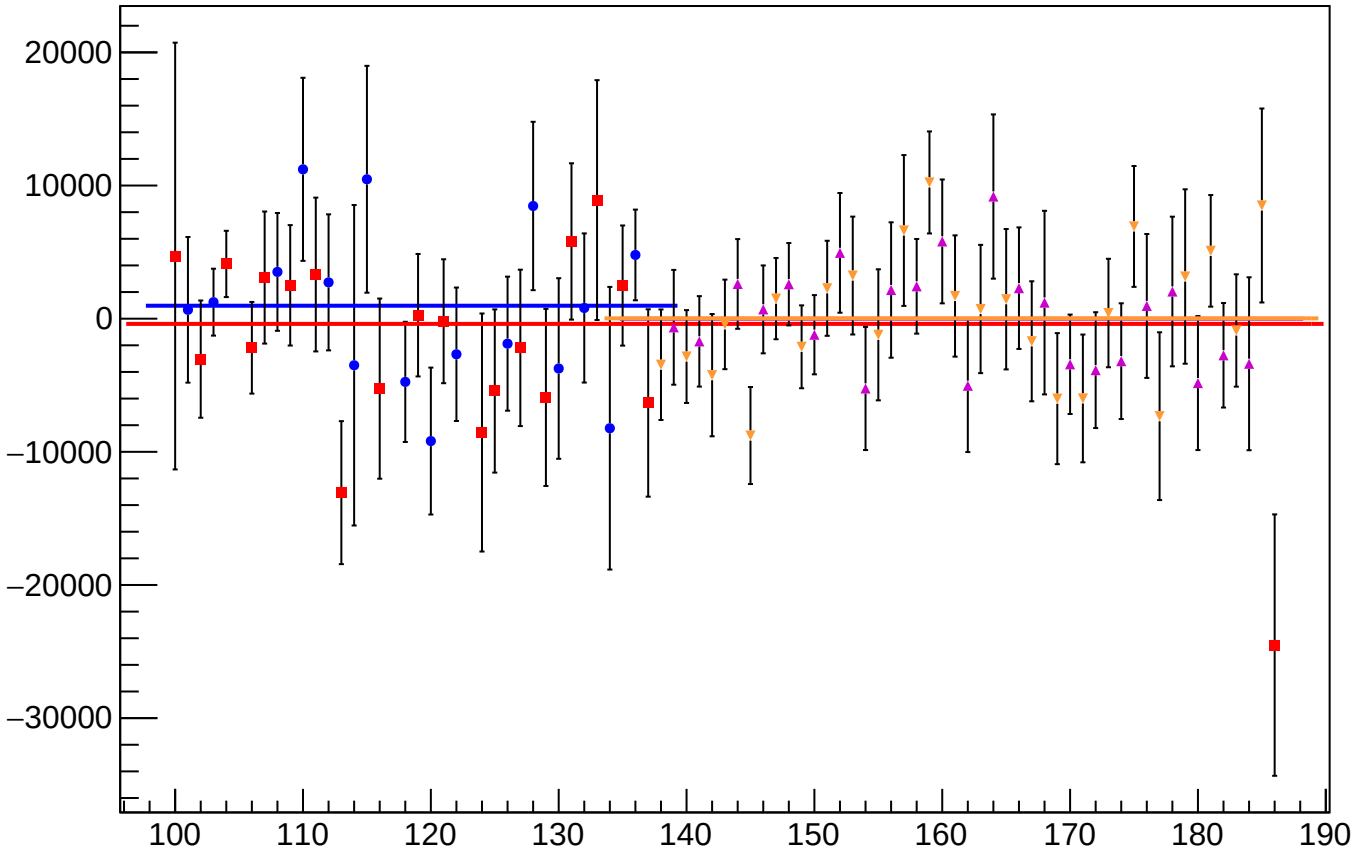
Right Out: 1092.070+/-0.285 χ^2/NDF: 617462.2/19

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1108.671+/-0.153 χ^2/NDF: 942979.3/40

All: 1103.309+/-0.108 χ^2/NDF: 1643730.2/83

- sign 1097.949+/-0.153 χ^2/NDF: 698303.8/42



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

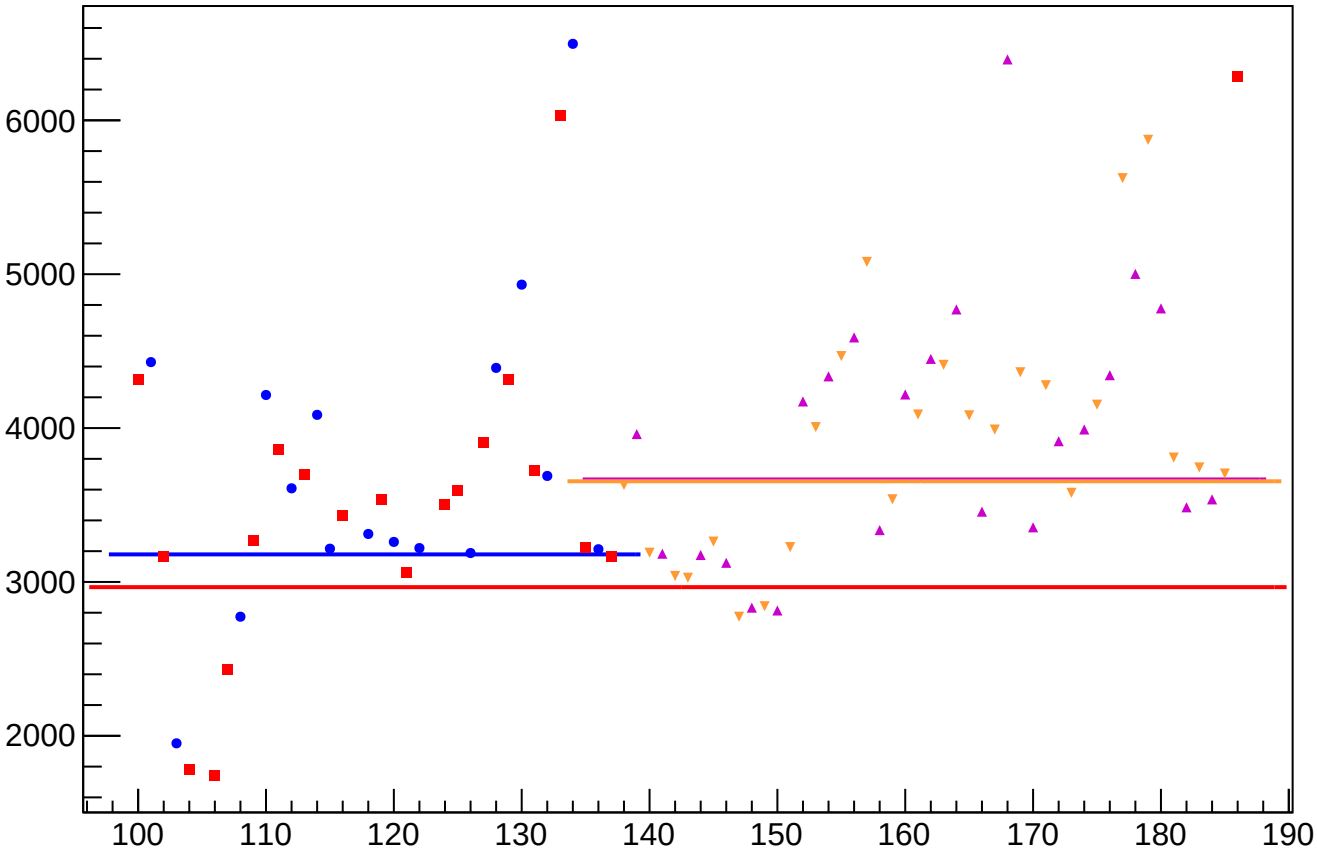
Right Out: -391.237+/-1130.324 χ^2/NDF: 23.1/19

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 329.629+/-700.011 χ^2/NDF: 42.7/40

All: 86.746+/-492.139 χ^2/NDF: 80.1/83

- sign -150.634+/-692.036 χ^2/NDF: 37.2/42



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 2966.258+/-0.799 χ^2/NDF: 1544824.8/19

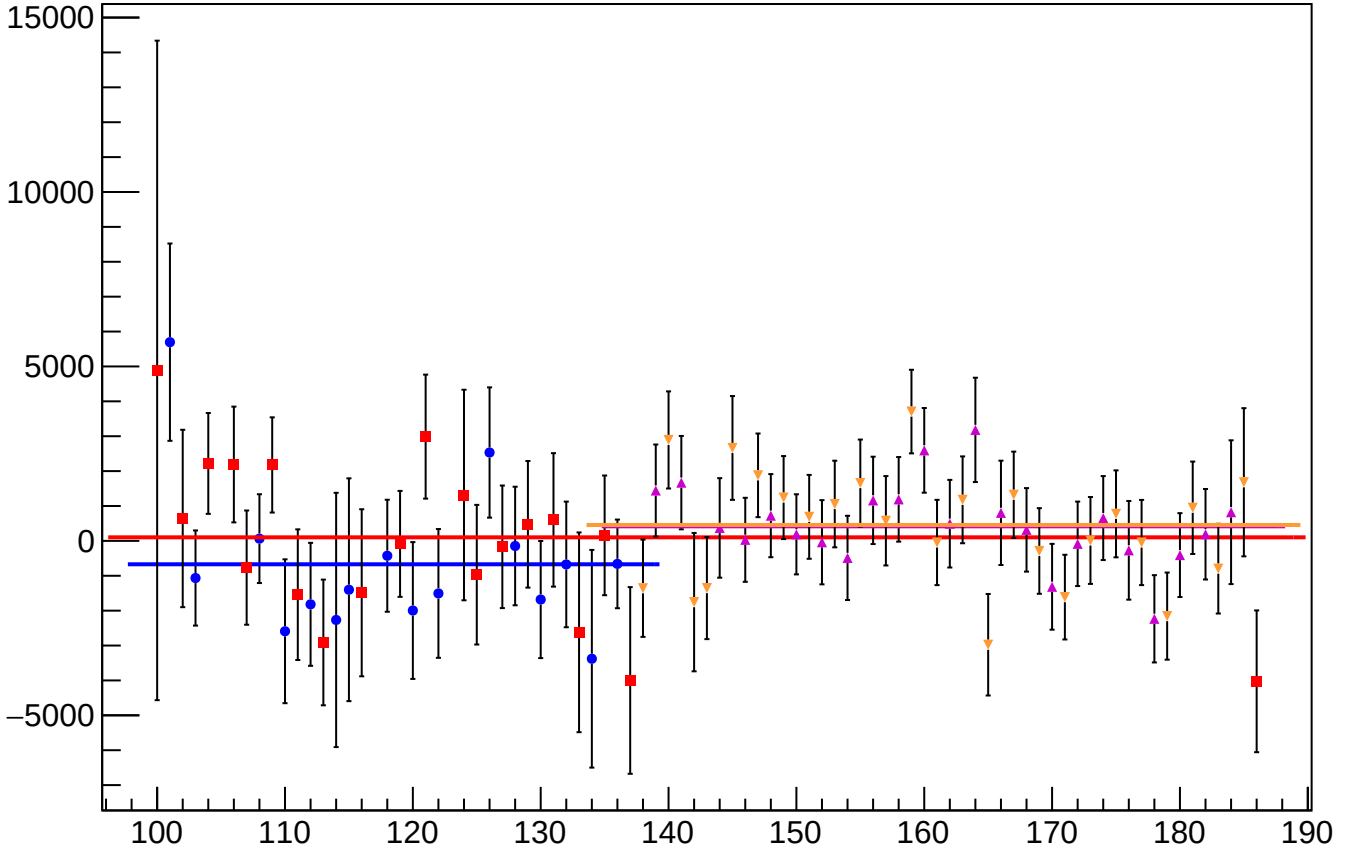
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3501.000+/-0.495 χ^2/NDF: 2604307.8/40

All: 3451.831+/-0.348 χ^2/NDF: 5991679.1/83

- sign 3403.777+/-0.489 χ^2/NDF: 3367860.6/42

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 101.699+/-424.825 χ^2/NDF: 21.3/19

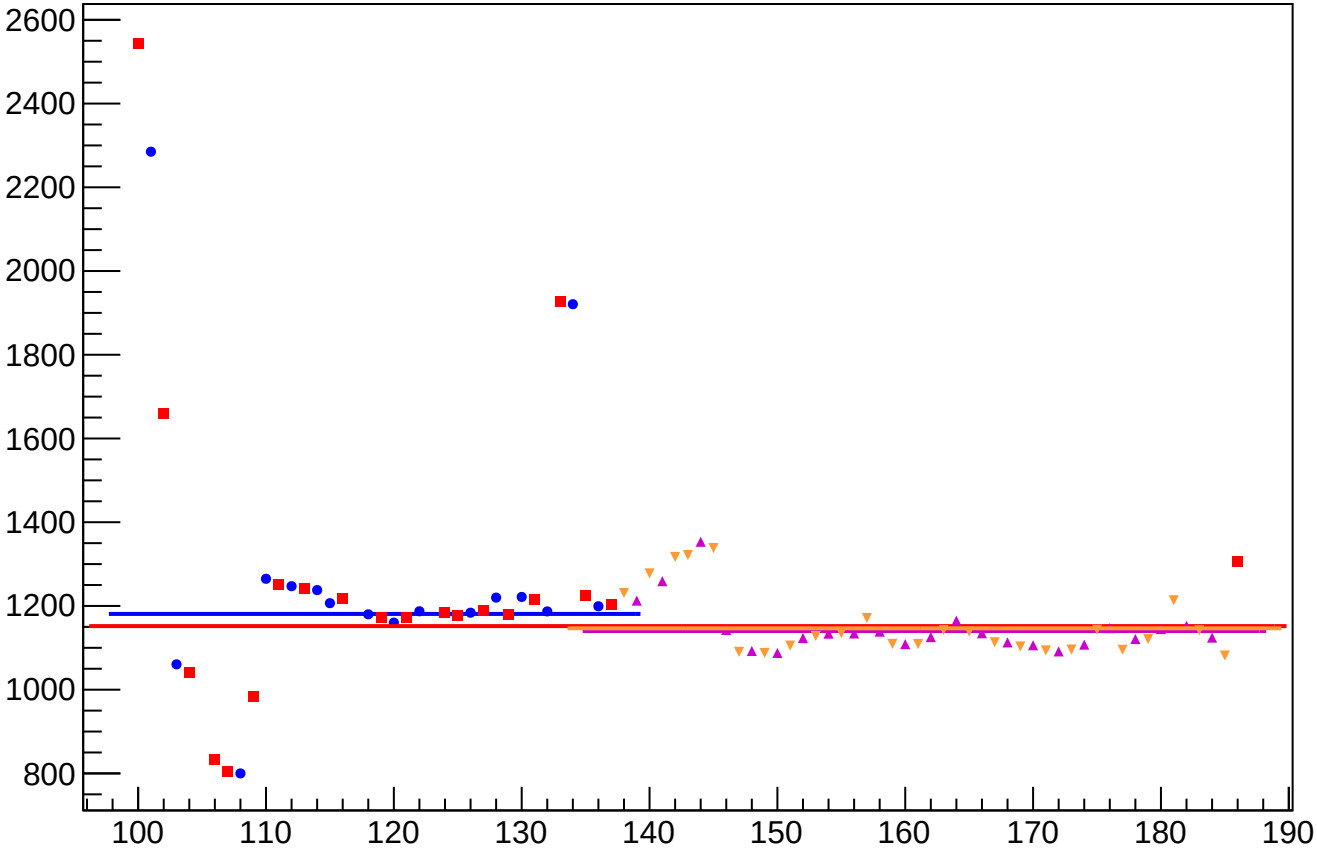
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 170.711+/-225.587 χ^2/NDF: 52.7/40

All: 249.312+/-159.591 χ^2/NDF: 91.9/83

- sign 328.066+/-225.806 χ^2/NDF: 39.0/42

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1151.868+/-0.300 χ^2/NDF: 509946.7/19

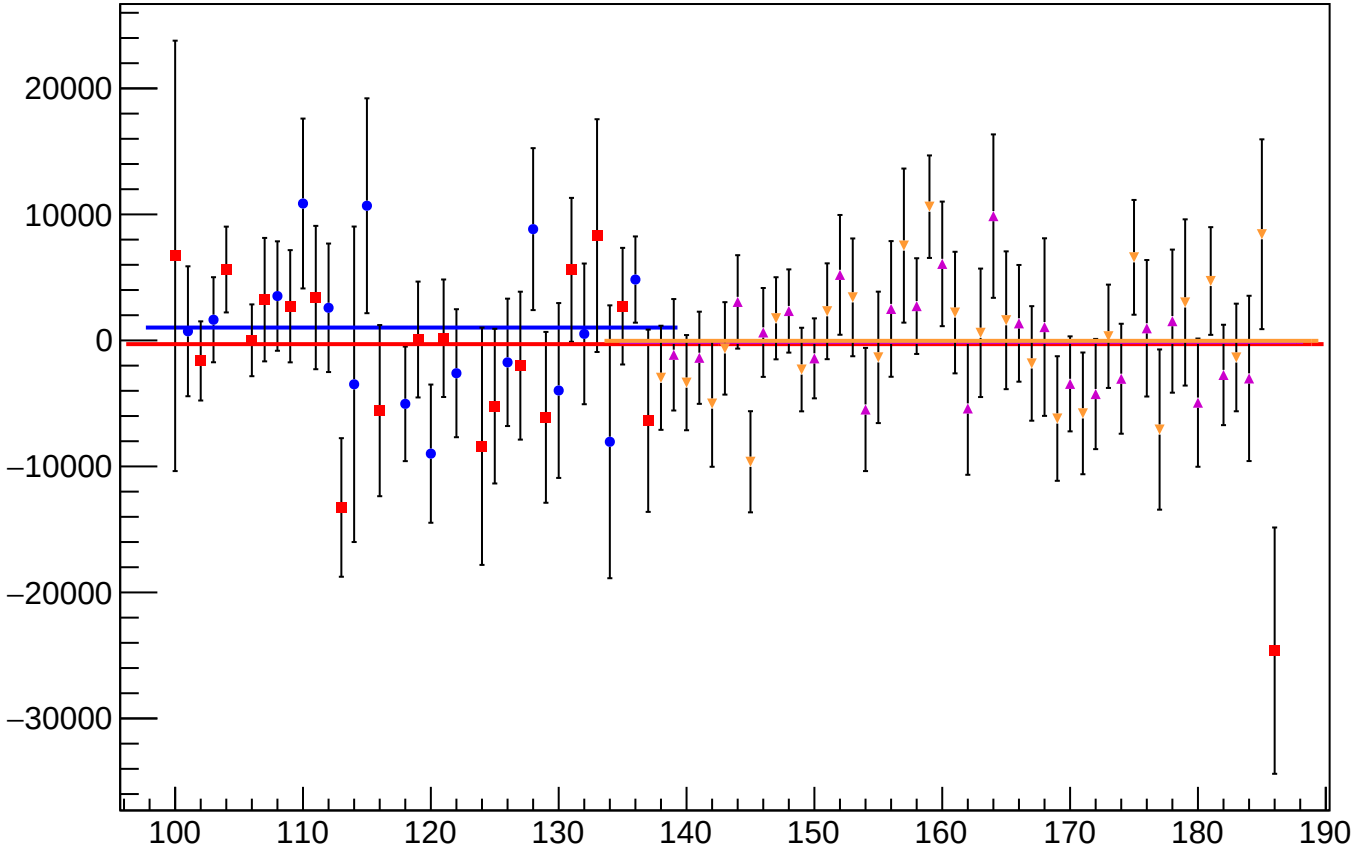
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1155.302+/-0.160 χ^2/NDF: 771653.9/40

All: 1149.394+/-0.113 χ^2/NDF: 1370173.1/83

- sign 1143.476+/-0.160 χ^2/NDF: 595773.3/42

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

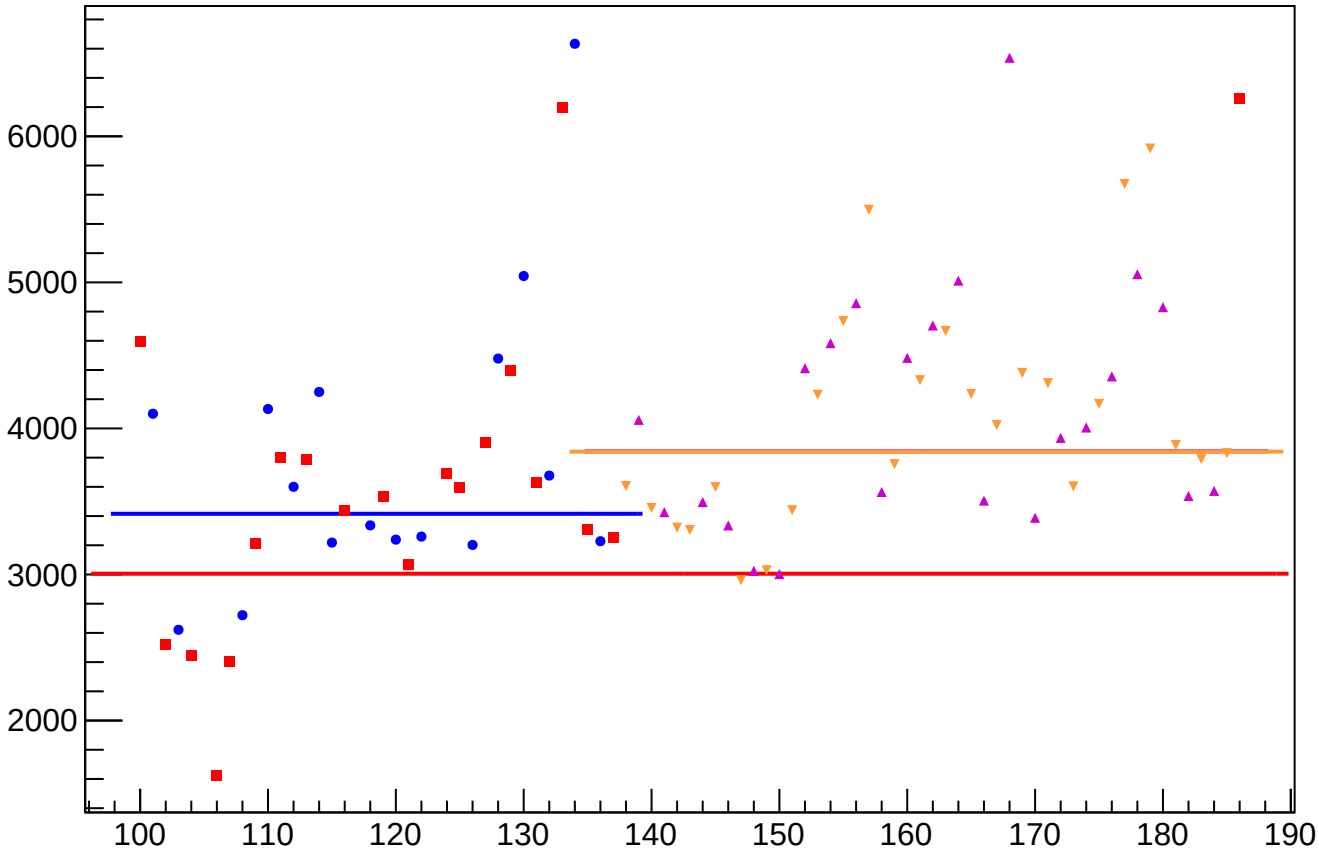
Right Out: -295.438+/-1123.250 χ^2/NDF: 22.4/19

Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 302.848+/-735.593 χ^2/NDF: 42.1/40

All: 47.263+/-510.760 χ^2/NDF: 78.5/83

- sign -190.677+/-709.747 χ^2/NDF: 36.2/42



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3005.310+/-0.794 χ^2/NDF: 1393478.2/19

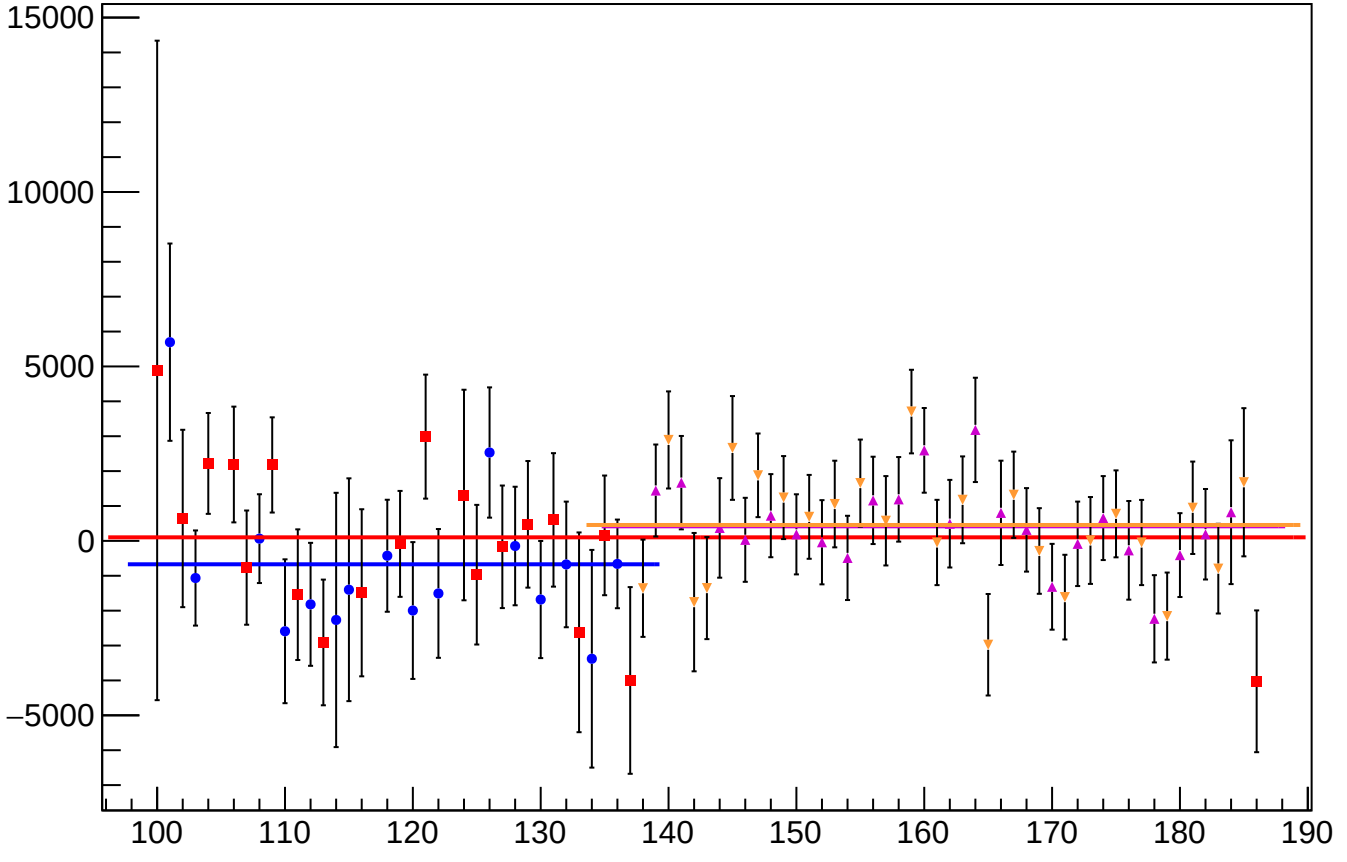
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3705.188+/-0.520 χ^2/NDF: 1856201.1/40

All: 3603.453+/-0.361 χ^2/NDF: 5188368.3/83

- sign 3508.742+/-0.502 χ^2/NDF: 3258297.5/42

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 101.708+/-424.825 χ^2/NDF: 21.3/19

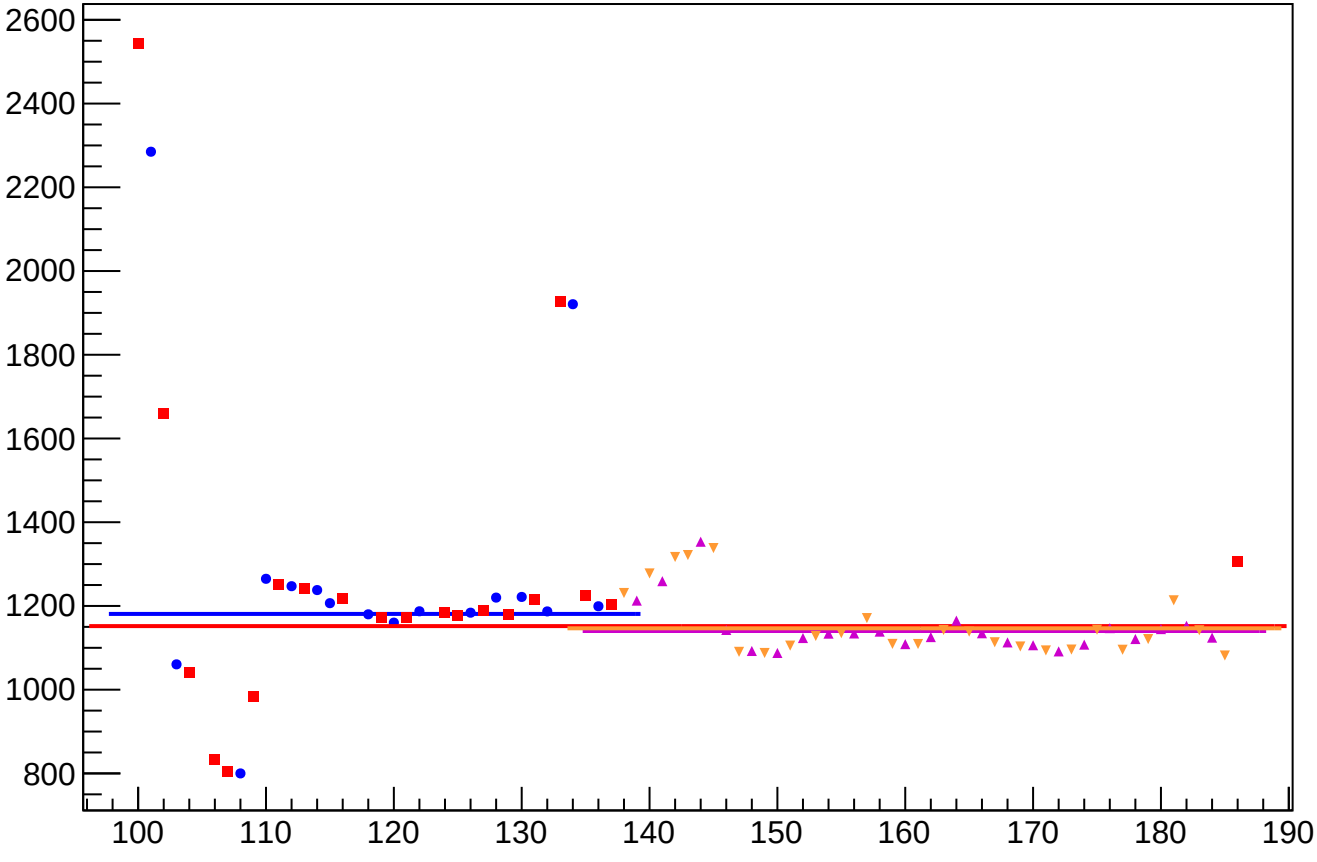
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 170.713+/-225.587 χ^2/NDF: 52.7/40

All: 249.314+/-159.591 χ^2/NDF: 91.9/83

- sign 328.067+/-225.806 χ^2/NDF: 39.0/42

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

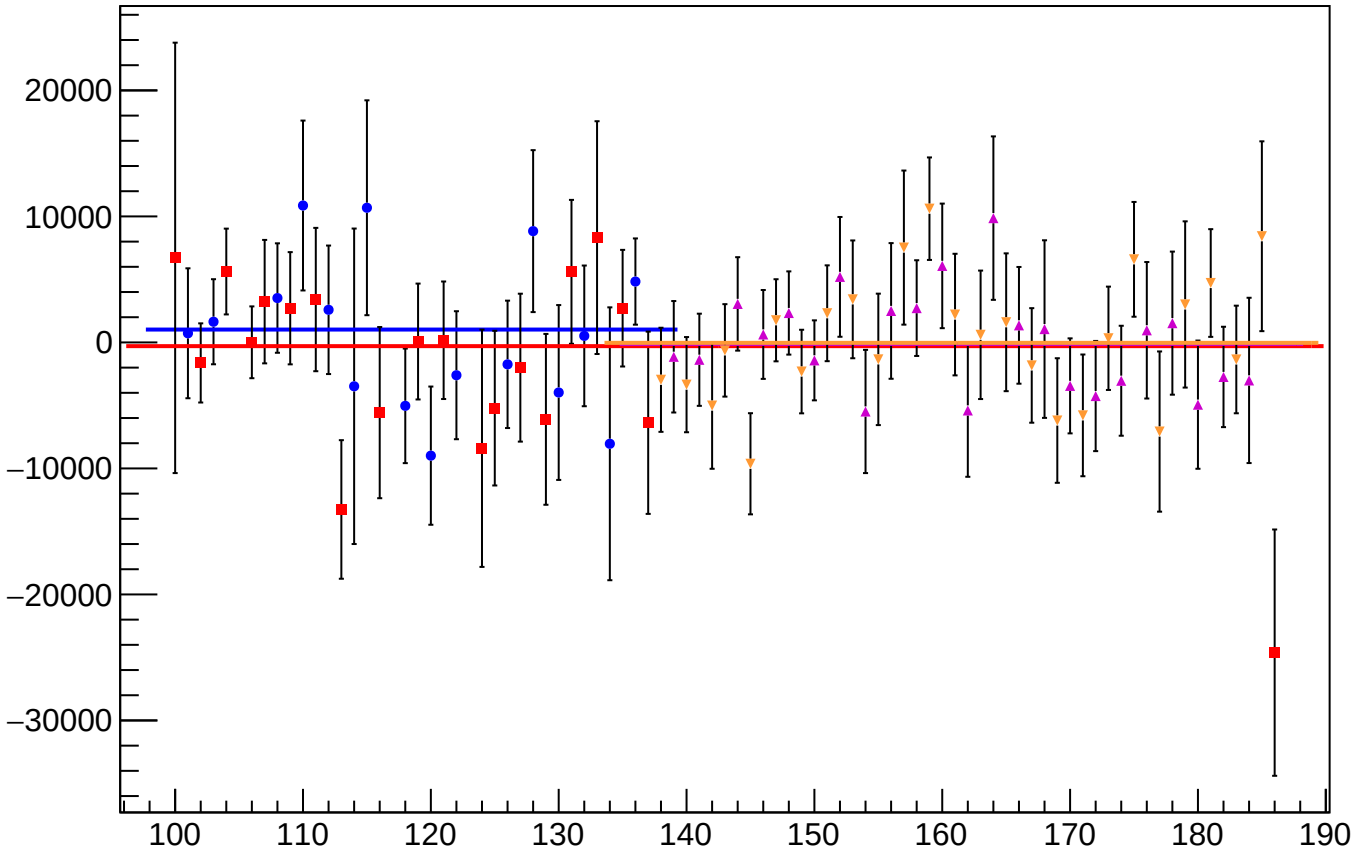
Right Out: 1151.869+/-0.300 χ^2/NDF: 509946.3/19

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1155.302+/-0.160 χ^2/NDF: 771653.8/40

All: 1149.394+/-0.113 χ^2/NDF: 1370172.2/83

- sign 1143.476+/-0.160 χ^2/NDF: 595772.6/42



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

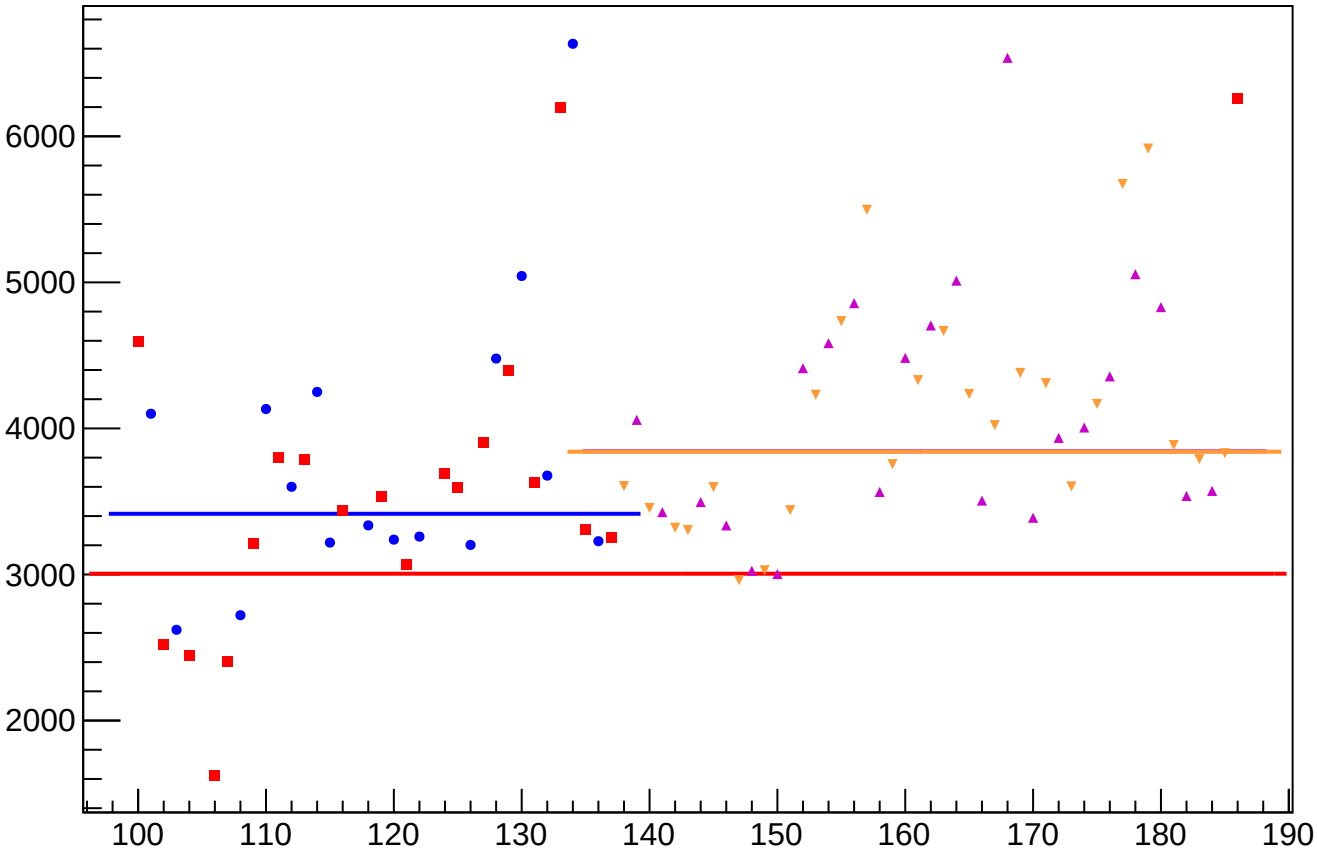
Right Out: -295.432+/-1123.248 χ^2/NDF: 22.4/19

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 302.844+/-735.594 χ^2/NDF: 42.1/40

All: 47.262+/-510.760 χ^2/NDF: 78.5/83

- sign -190.676+/-709.747 χ^2/NDF: 36.2/42



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

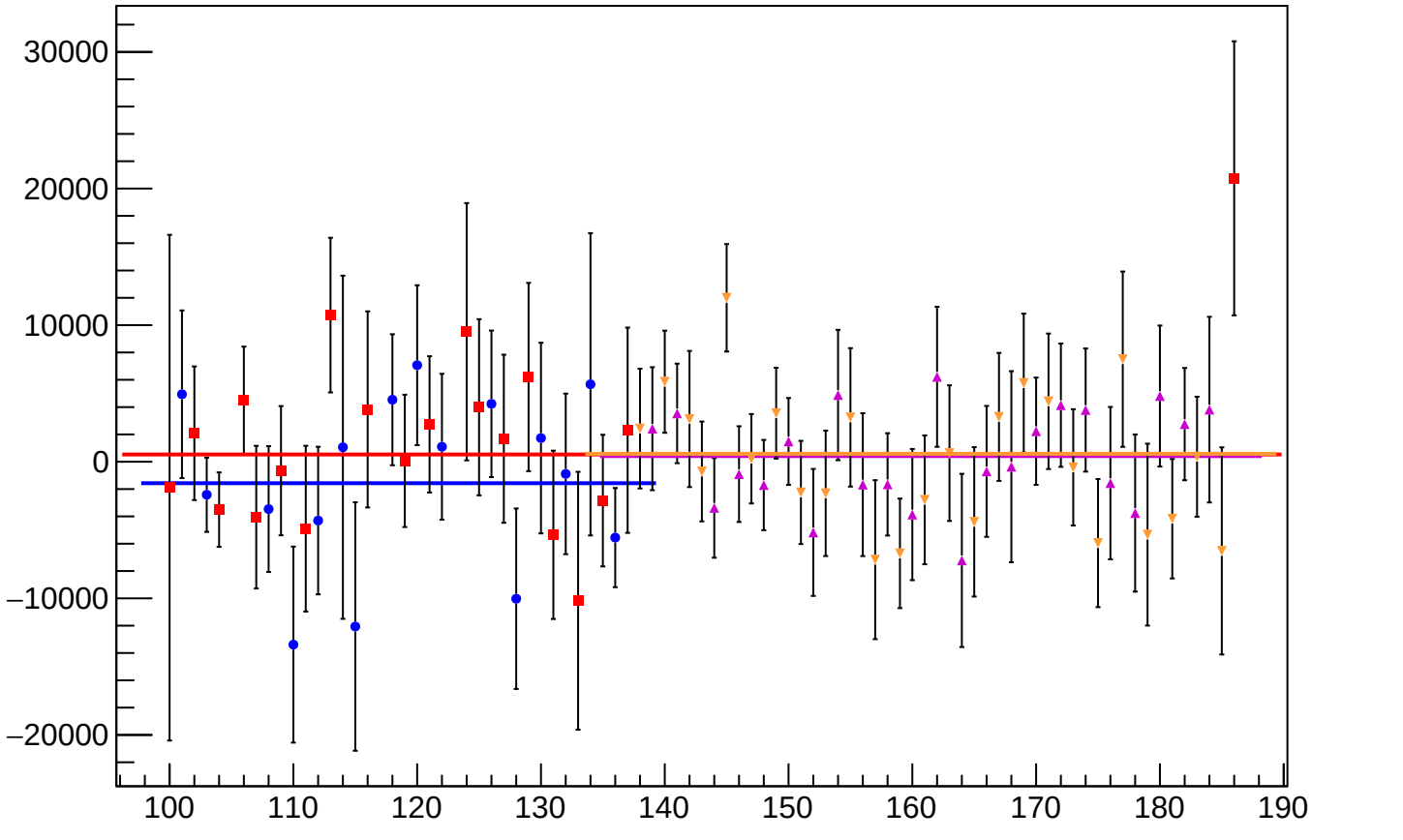
Right Out: 3005.305+/-0.794 χ^2/NDF: 1393477.1/19

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3705.190+/-0.520 χ^2/NDF: 1856204.0/40

All: 3603.454+/-0.361 χ^2/NDF: 5188392.1/83

- sign 3508.742+/-0.502 χ^2/NDF: 3258316.8/42



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 532.257+/-1215.300 χ^2/NDF: 17.3/19

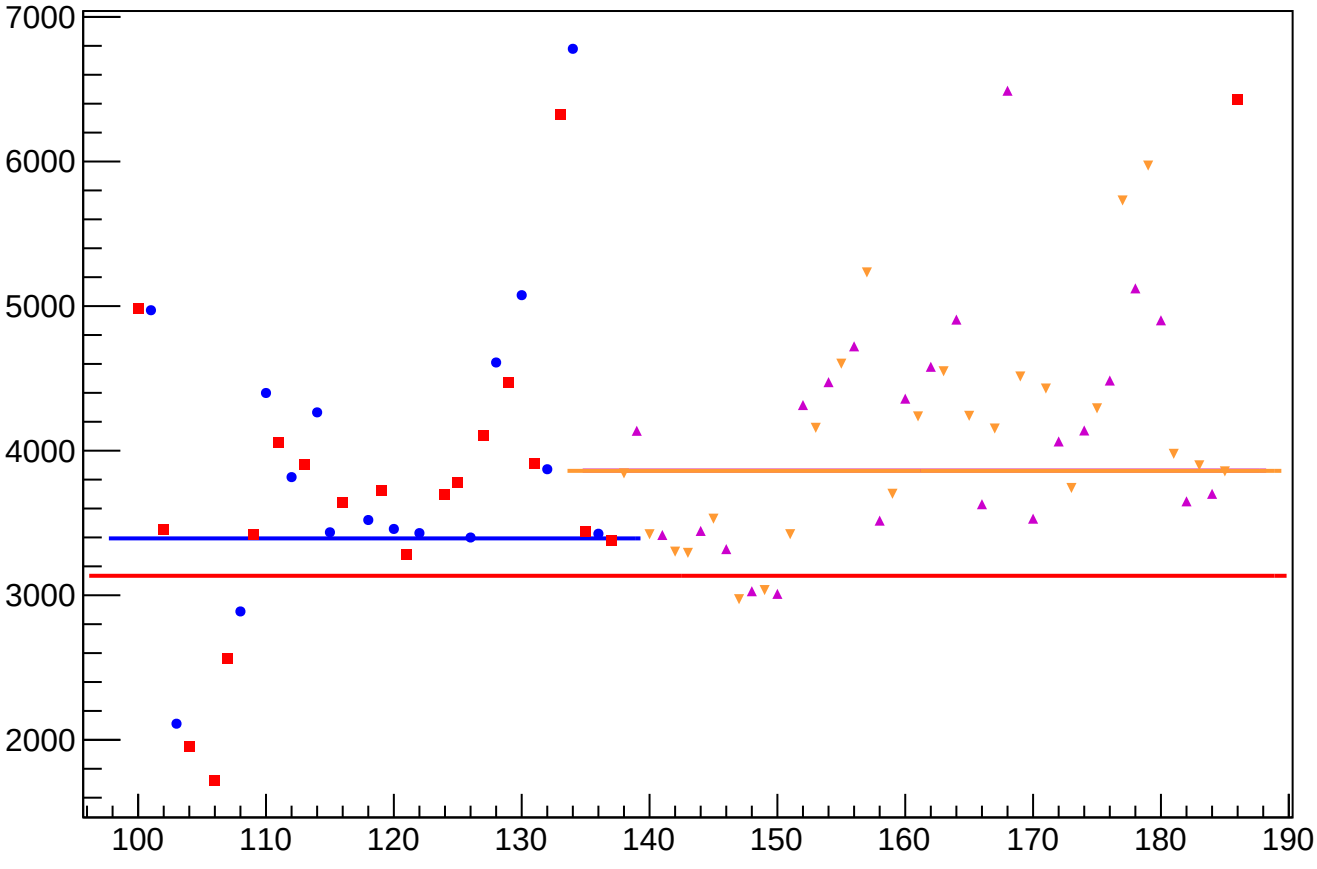
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign -99.704+/-739.465 χ^2/NDF: 43.7/40

All: 181.996+/-520.587 χ^2/NDF: 73.9/83

- sign 458.805+/-733.019 χ^2/NDF: 29.8/42

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

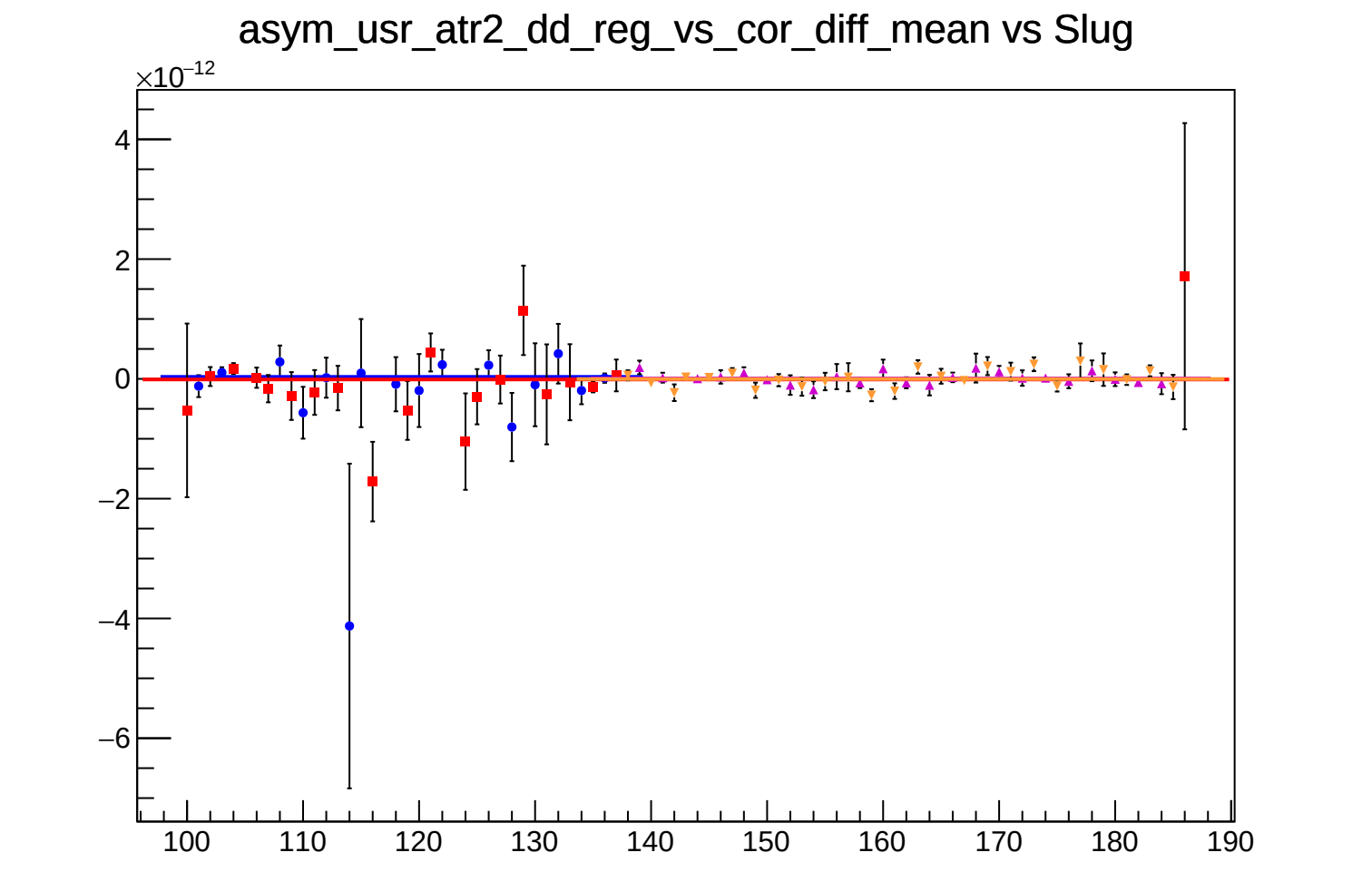
Right Out: 3134.720+/-0.845 χ^2/NDF: 1546900.7/19

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 3712.344+/-0.523 χ^2/NDF: 2318894.6/40

All: 3651.277+/-0.367 χ^2/NDF: 5500664.6/83

- sign 3591.999+/-0.515 χ^2/NDF: 3154889.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

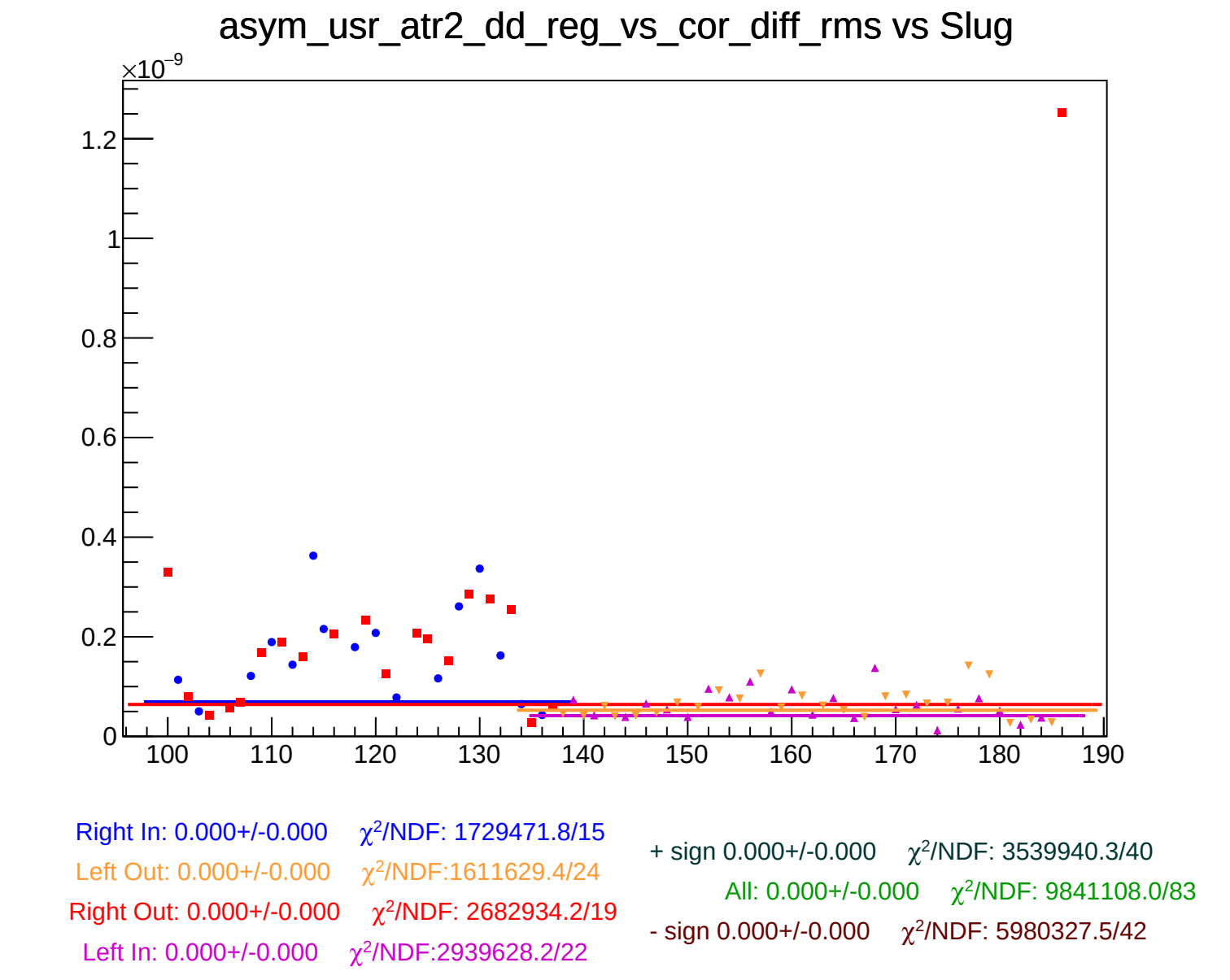
Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/19

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.5/40

All: 0.000+/-0.000 χ^2/NDF: 81.8/83

- 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
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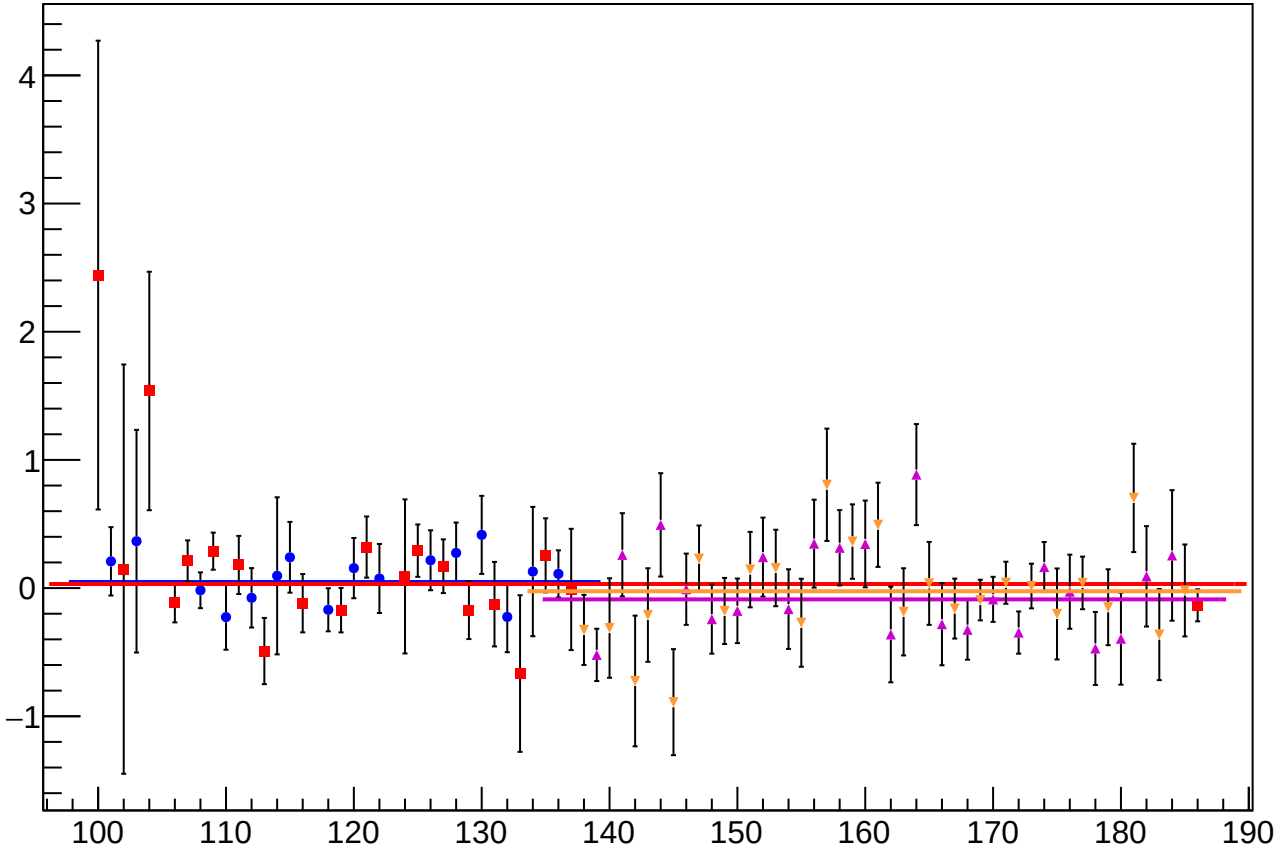
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1729471.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1611629.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 2682934.2/19
Left In: 0.000+/-0.000 χ²/NDF:2939628.2/22
+ sign 0.000+/-0.000 χ²/NDF: 3539940.3/40
All: 0.000+/-0.000 χ²/NDF: 9841108.0/83
- sign 0.000+/-0.000 χ²/NDF: 5980327.5/42

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.032+/-0.050 χ^2/NDF: 24.3/19

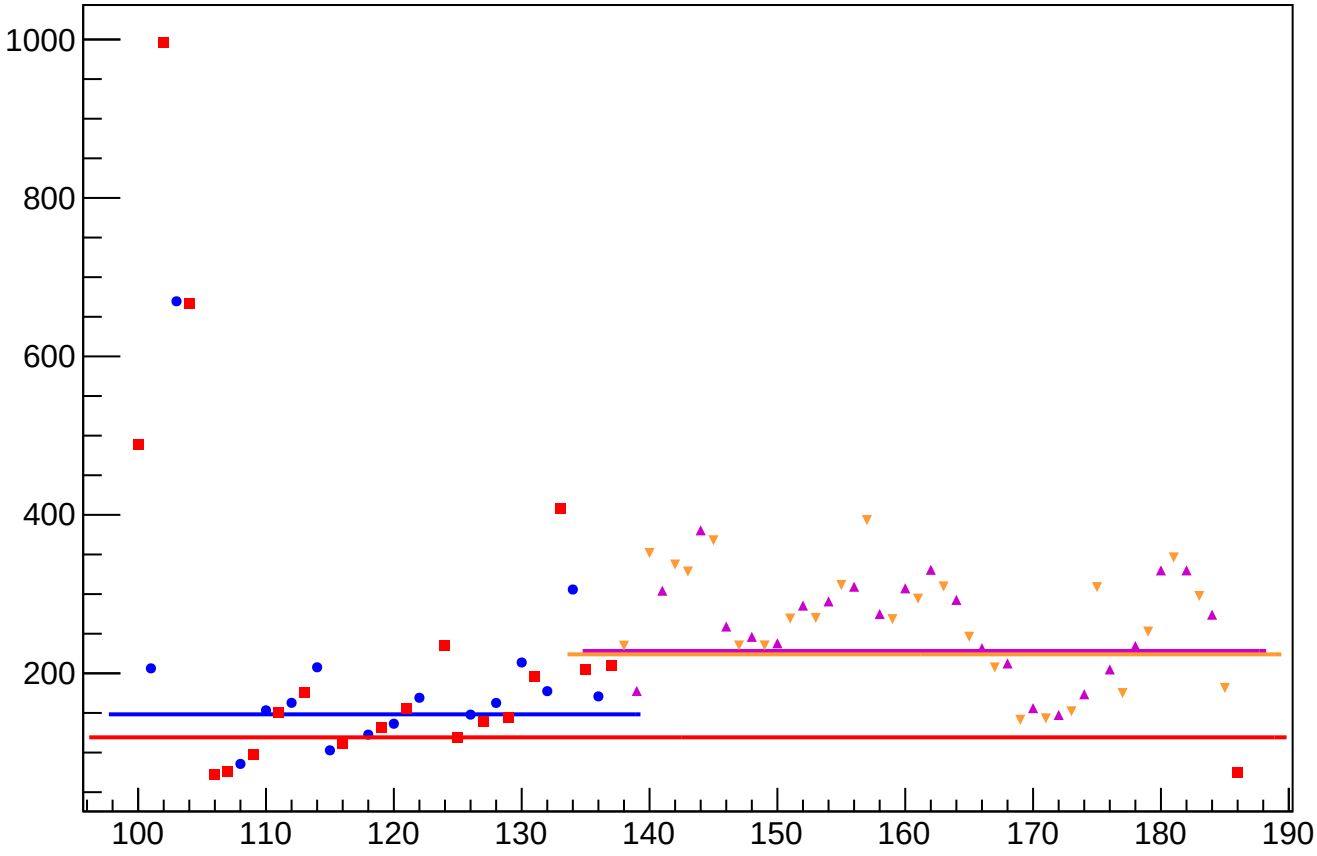
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.008+/-0.040 χ^2/NDF: 33.4/40

All: -0.008+/-0.027 χ^2/NDF: 90.6/83

- sign -0.021+/-0.038 χ^2/NDF: 56.9/42

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

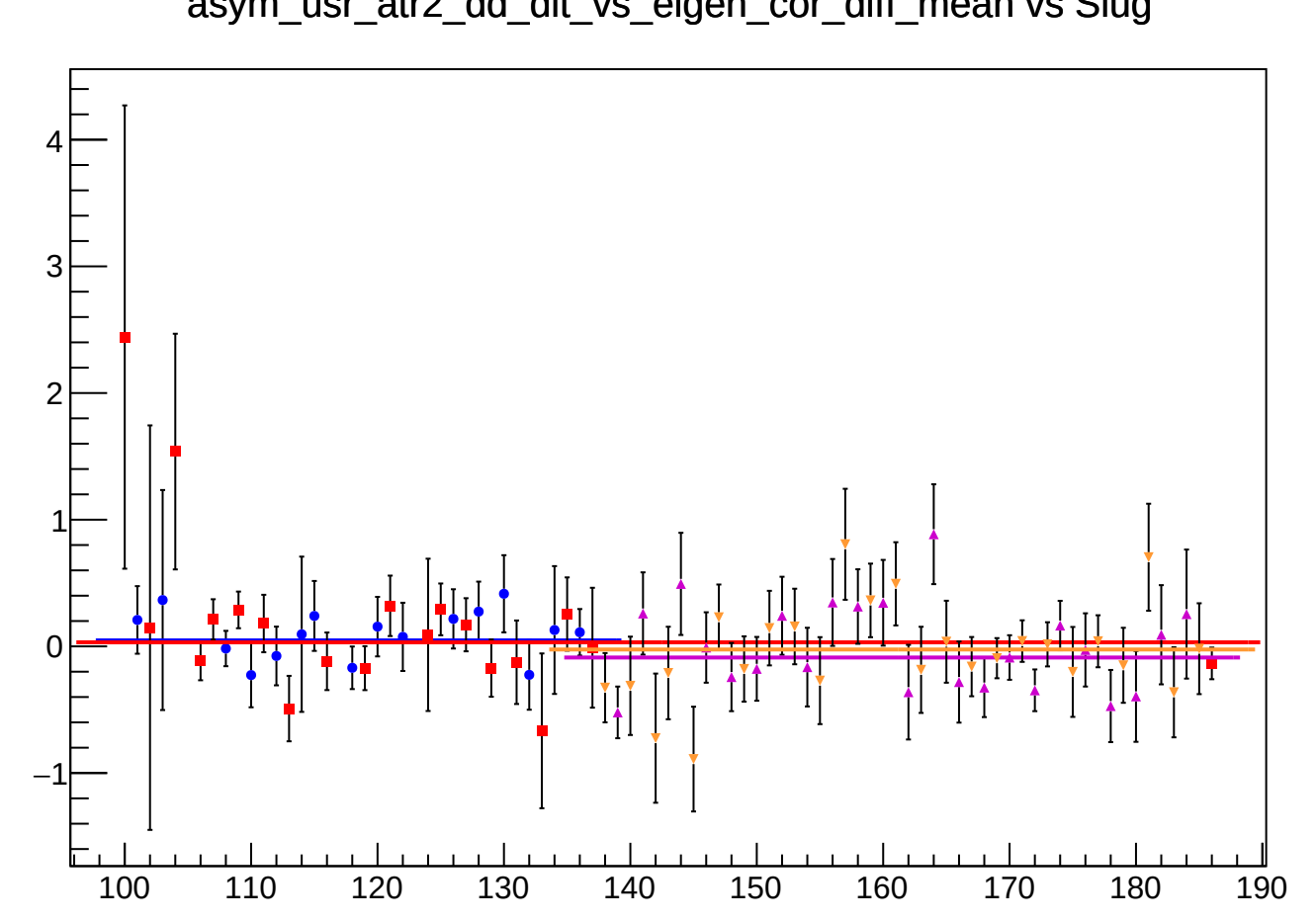
Right Out: 119.200+/-0.035 χ^2/NDF: 3141851.7/19

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.670+/-0.029 χ^2/NDF: 6889267.9/40

All: 177.509+/-0.019 χ^2/NDF: 17013006.0/83

- sign 167.013+/-0.027 χ^2/NDF: 9785968.5/42


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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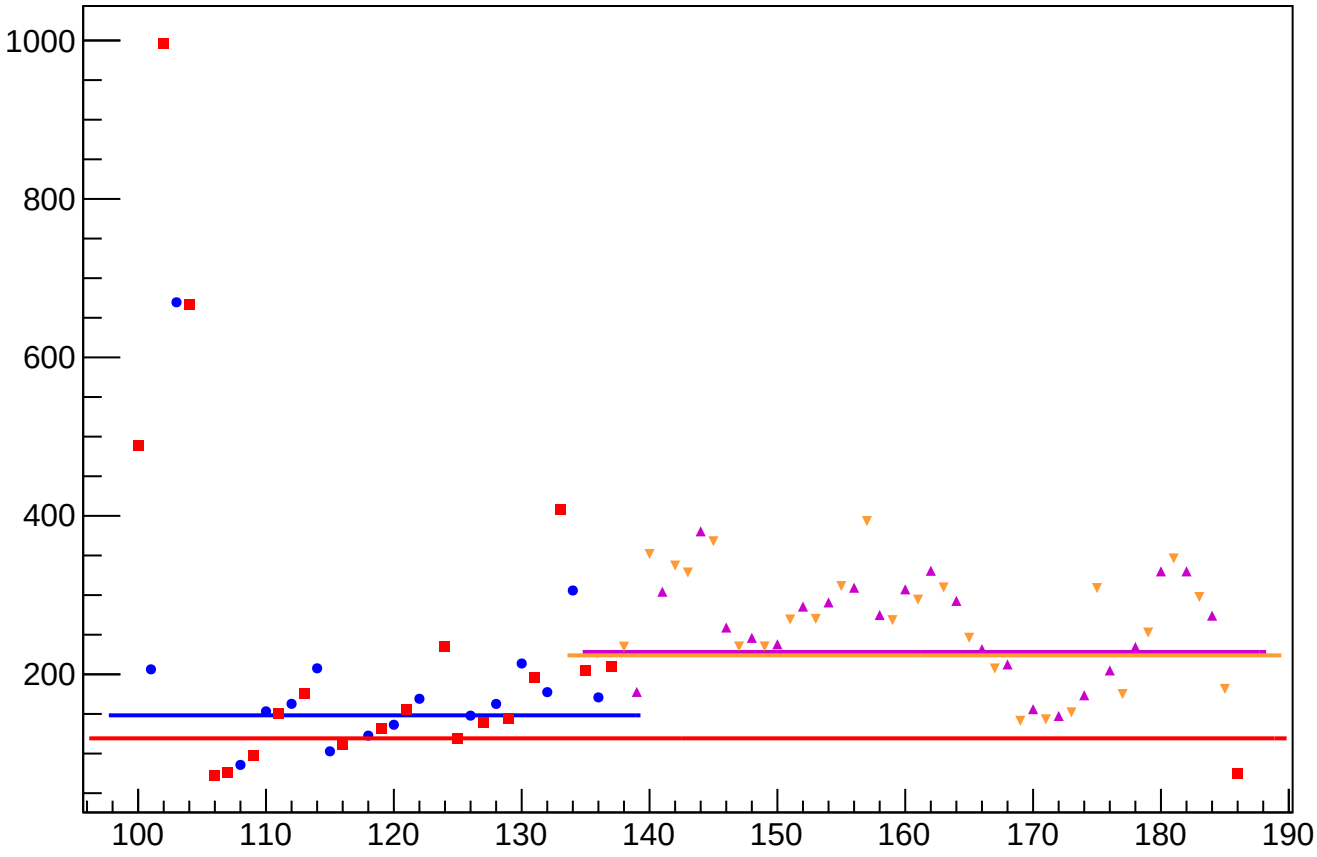
180
190
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.032+/-0.050 χ²/NDF: 24.3/19
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.008+/-0.040 χ²/NDF: 33.4/40
All: -0.008+/-0.027 χ²/NDF: 90.6/83
- sign -0.021+/-0.038 χ²/NDF: 56.9/42



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

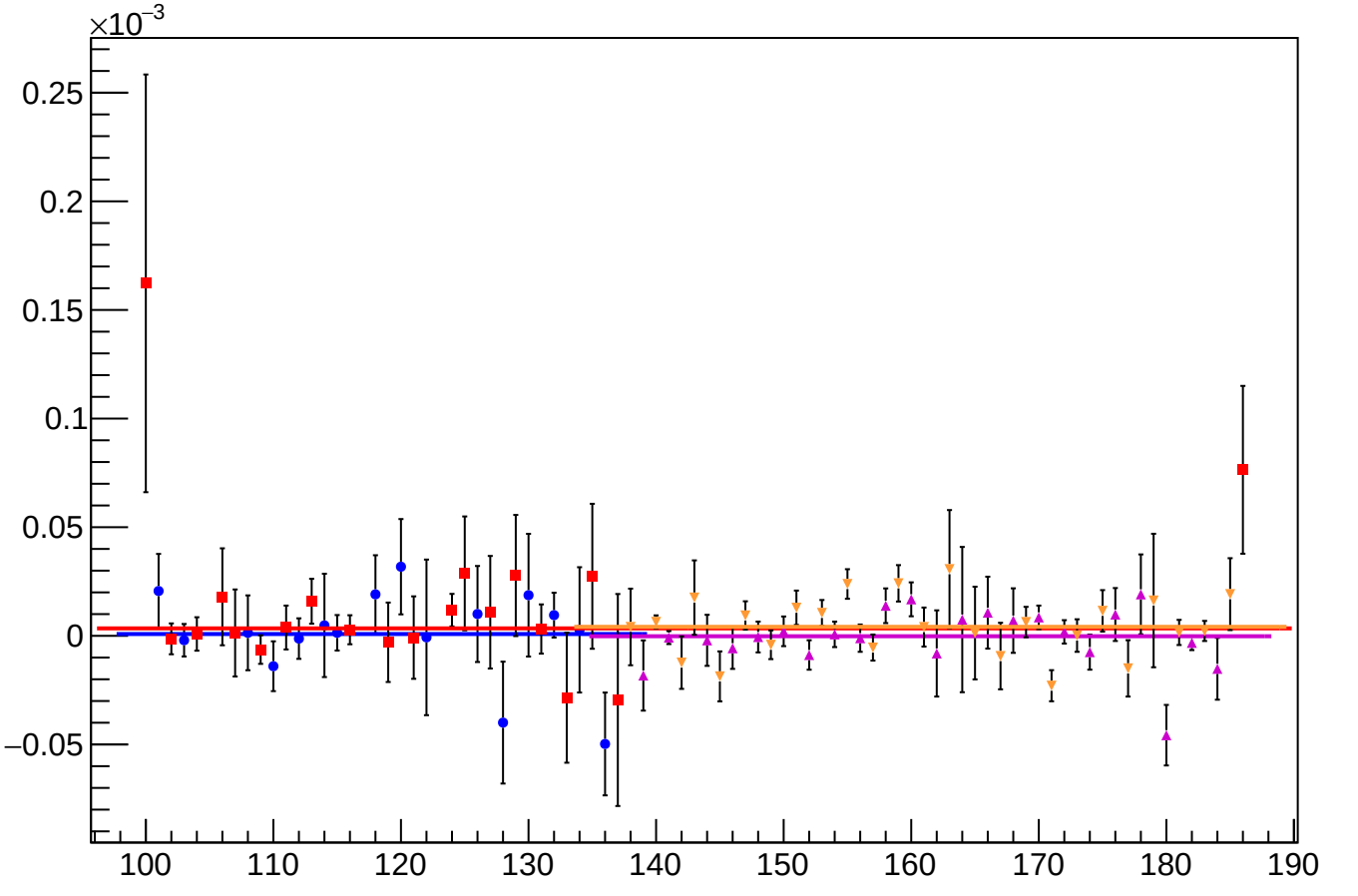
Right Out: 119.200+/-0.035 χ^2/NDF: 3141851.7/19

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.670+/-0.029 χ^2/NDF: 6889267.9/40

All: 177.509+/-0.019 χ^2/NDF: 17013006.0/83

- sign 167.013+/-0.027 χ^2/NDF: 9785968.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

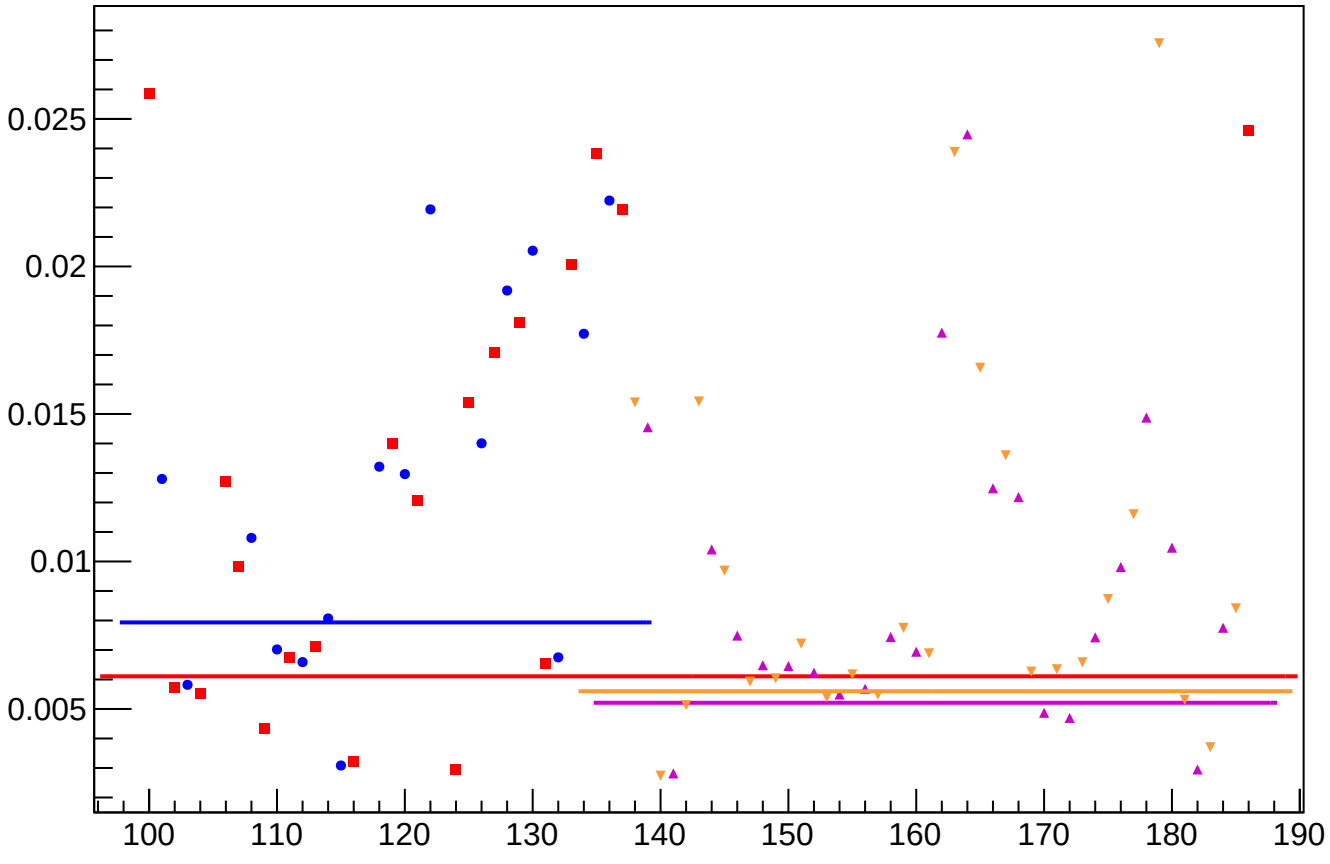
Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/19

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.9/40

All: 0.000+/-0.000 χ^2/NDF: 114.3/83

- sign 0.000+/-0.000 χ^2/NDF: 47.8/42



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

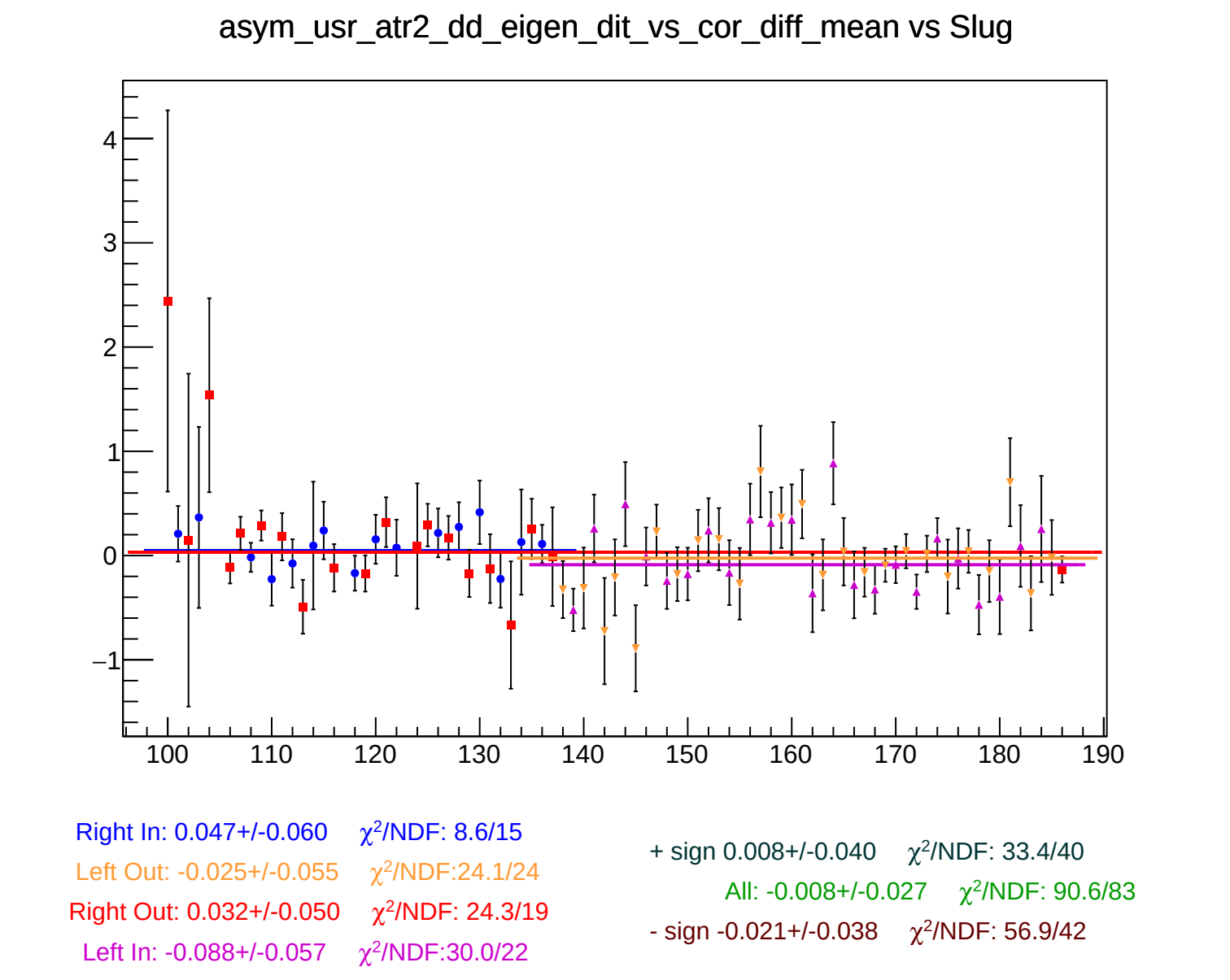
Right Out: 0.006+/-0.000 χ^2/NDF: 4469801.4/19

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

+ sign 0.006+/-0.000 χ^2/NDF: 12116978.0/40

All: 0.006+/-0.000 χ^2/NDF: 24398301.5/83

- sign 0.005+/-0.000 χ^2/NDF: 12109792.3/42


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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170
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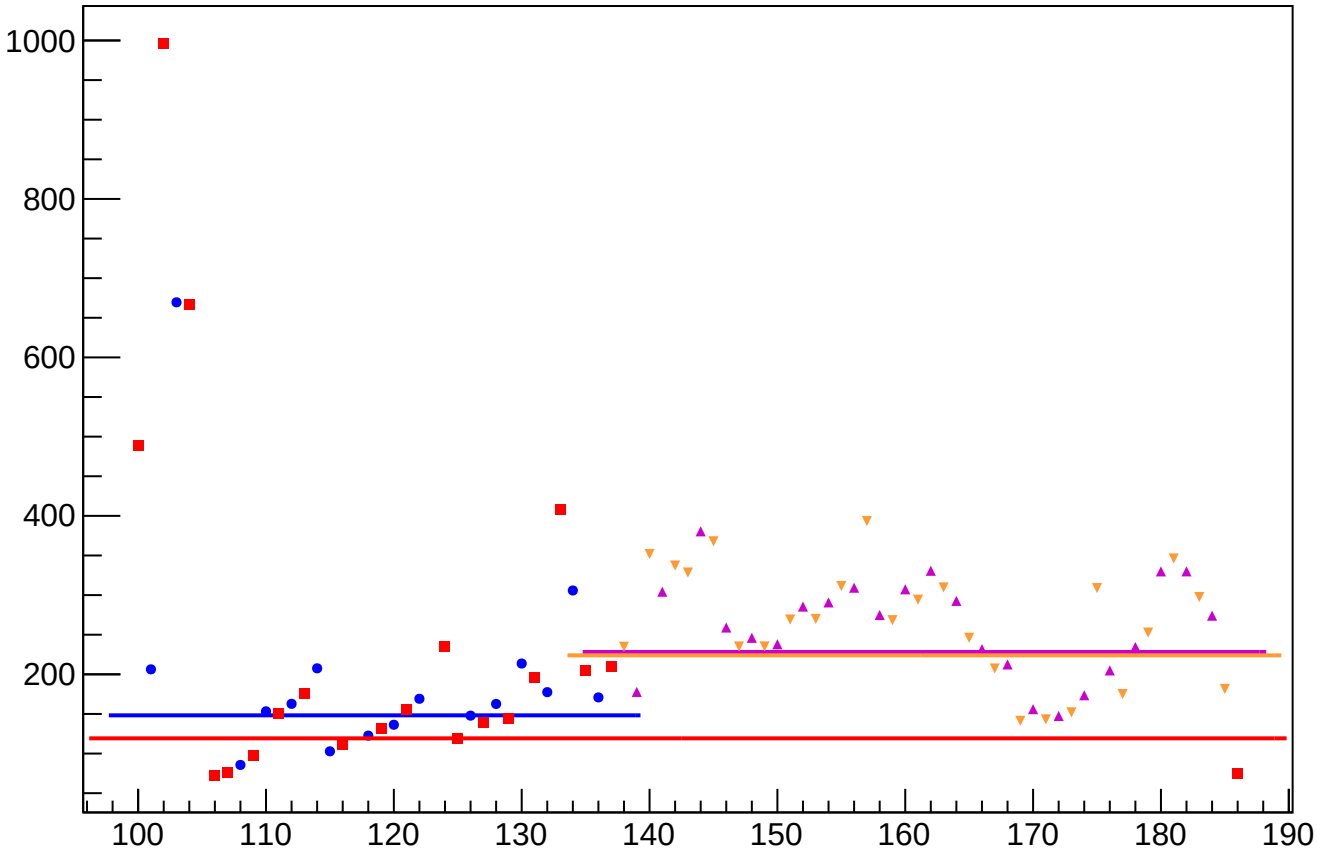
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.032+/-0.050 χ²/NDF: 24.3/19
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.008+/-0.040 χ²/NDF: 33.4/40
All: -0.008+/-0.027 χ²/NDF: 90.6/83
- sign -0.021+/-0.038 χ²/NDF: 56.9/42



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

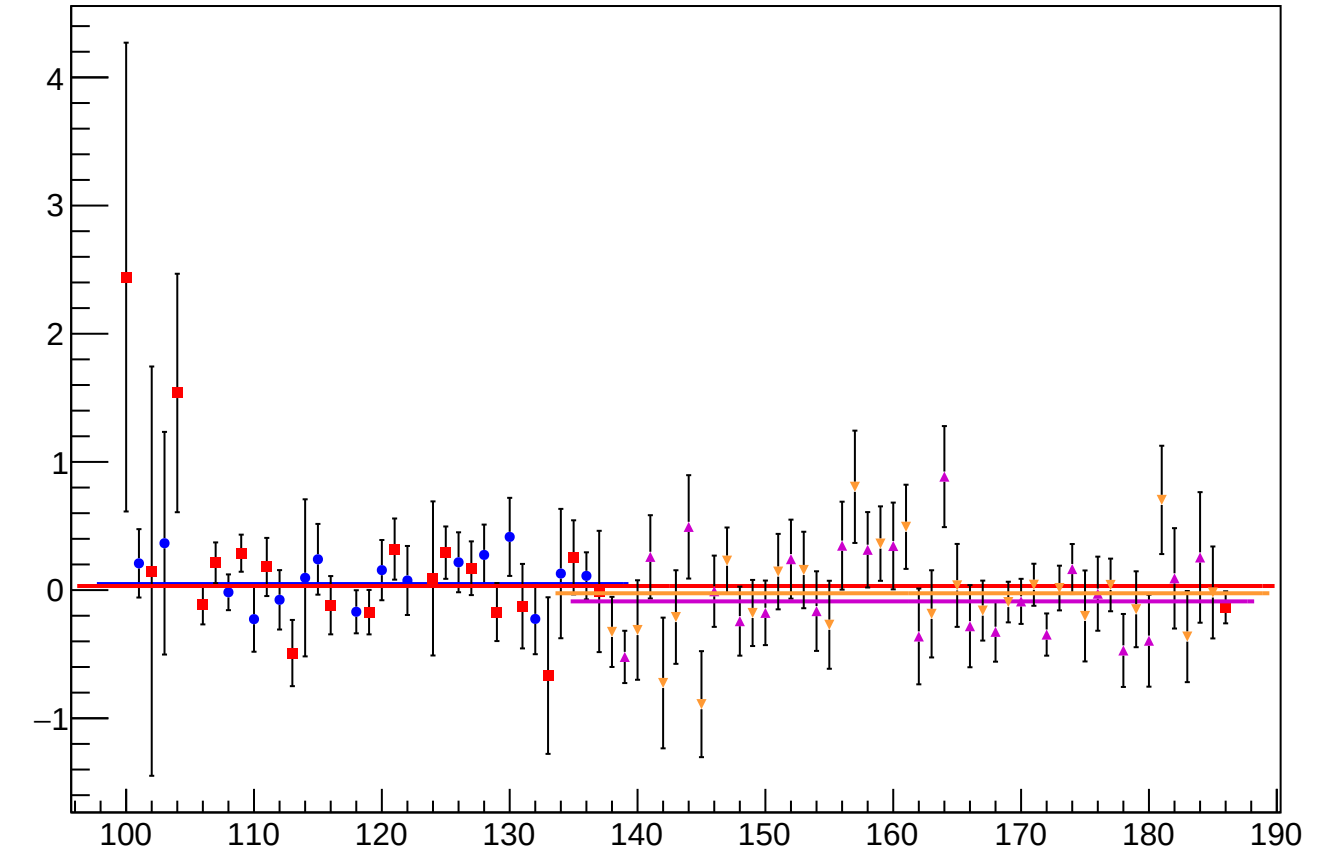
Right Out: 119.203+/-0.035 χ^2/NDF: 3141641.7/19

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.669+/-0.029 χ^2/NDF: 6889626.6/40

All: 177.511+/-0.019 χ^2/NDF: 17012756.3/83

- sign 167.017+/-0.027 χ^2/NDF: 9785506.8/42



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

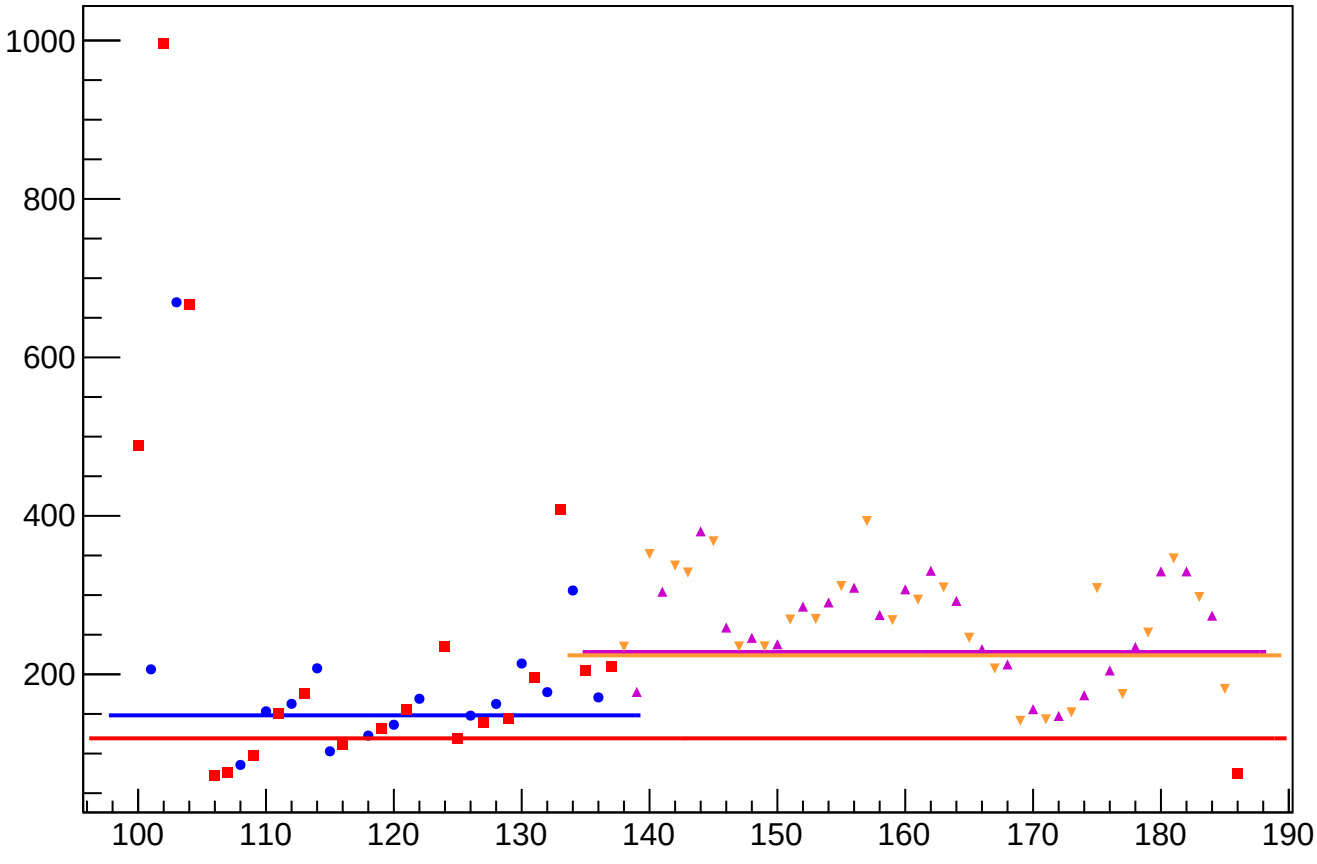
Right Out: 0.032+/-0.050 χ^2/NDF: 24.3/19

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.008+/-0.040 χ^2/NDF: 33.4/40

All: -0.008+/-0.027 χ^2/NDF: 90.6/83

- sign -0.021+/-0.038 χ^2/NDF: 56.9/42



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

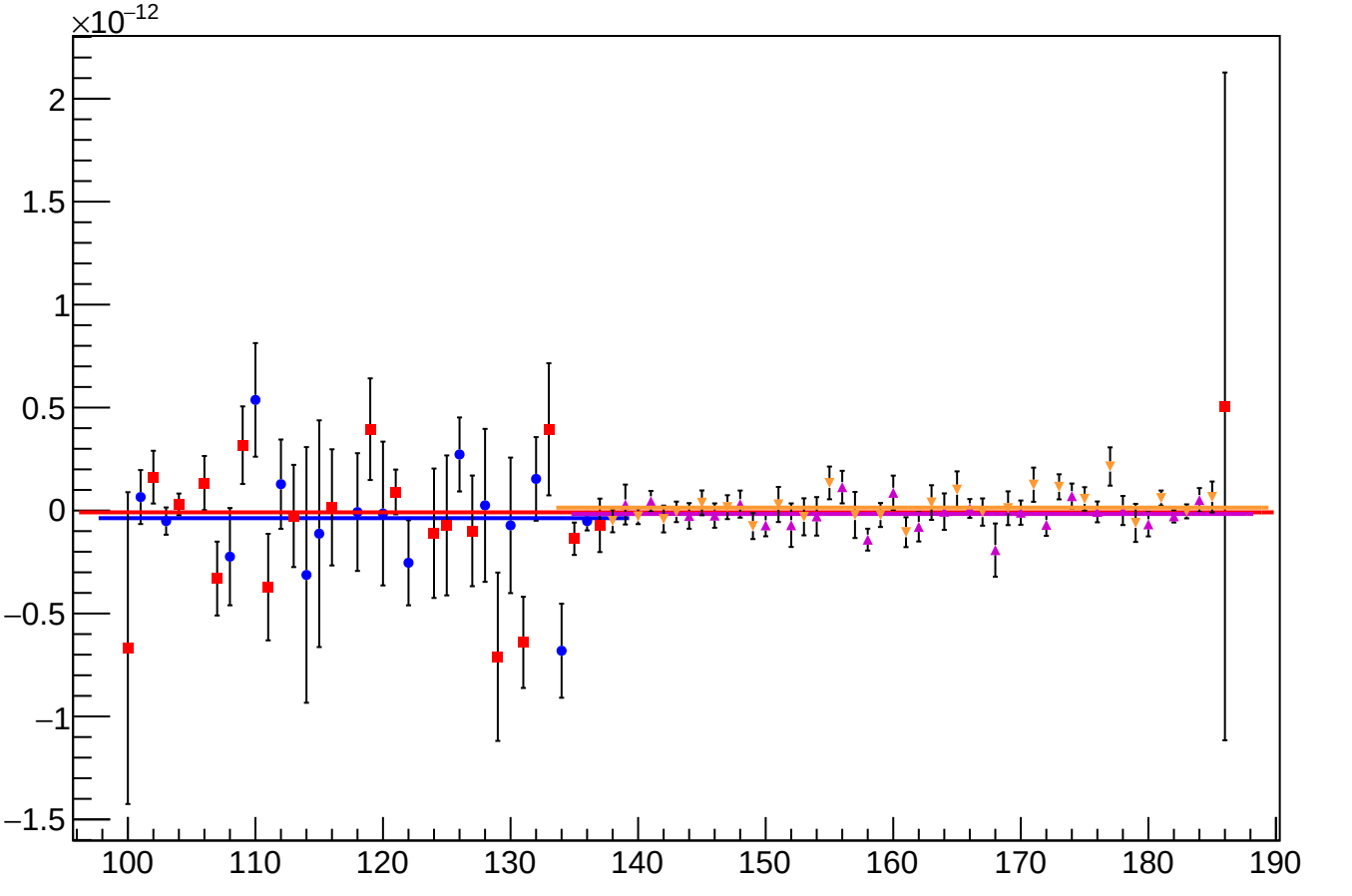
Right Out: 119.203+/-0.035 χ^2/NDF: 3141641.7/19

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.669+/-0.029 χ^2/NDF: 6889626.6/40

All: 177.511+/-0.019 χ^2/NDF: 17012756.3/83

- sign 167.017+/-0.027 χ^2/NDF: 9785506.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

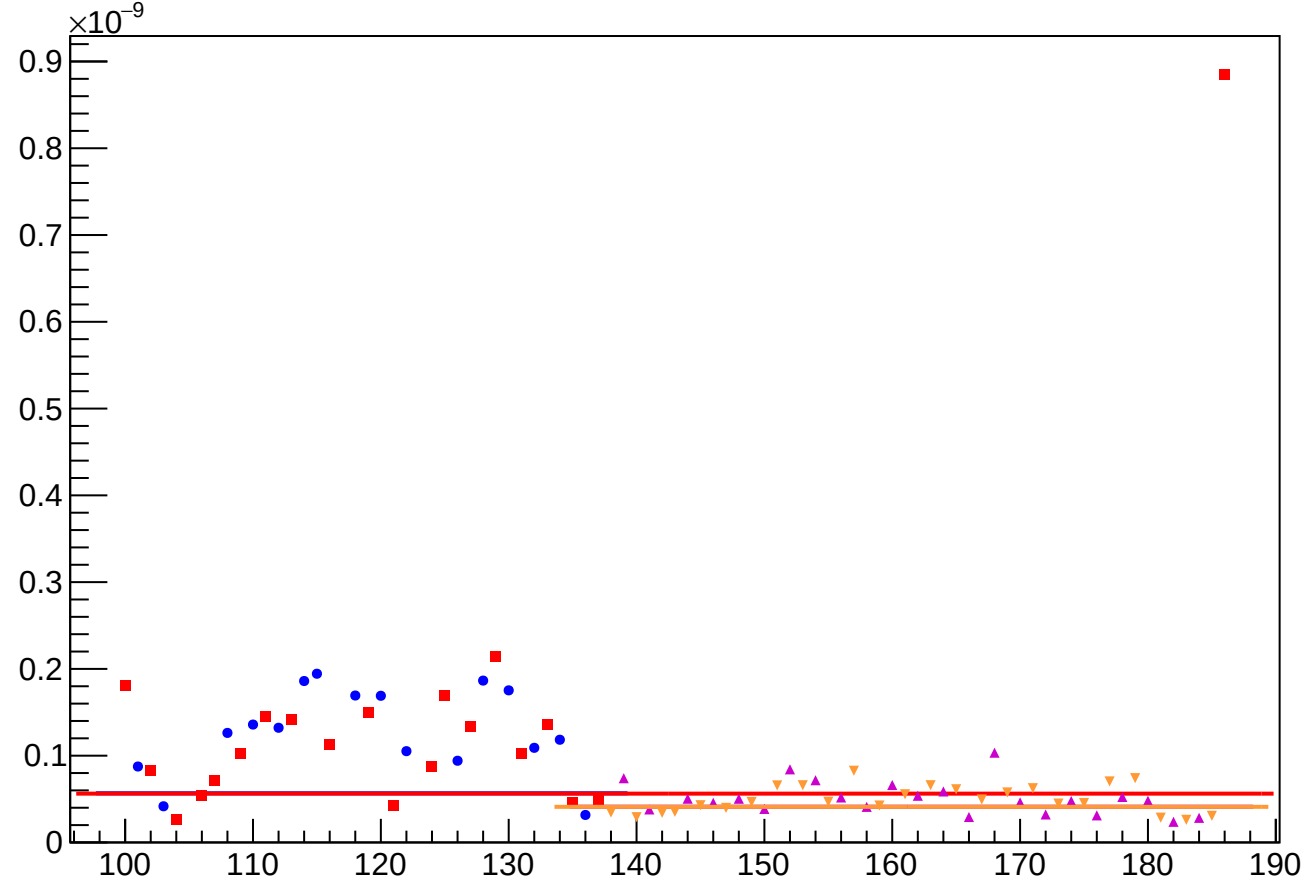
Right Out: -0.000+/-0.000 χ^2/NDF: 31.9/19

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.0/40

All: -0.000+/-0.000 χ^2/NDF: 102.8/83

- sign -0.000+/-0.000 χ^2/NDF: 53.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3255773.0/19

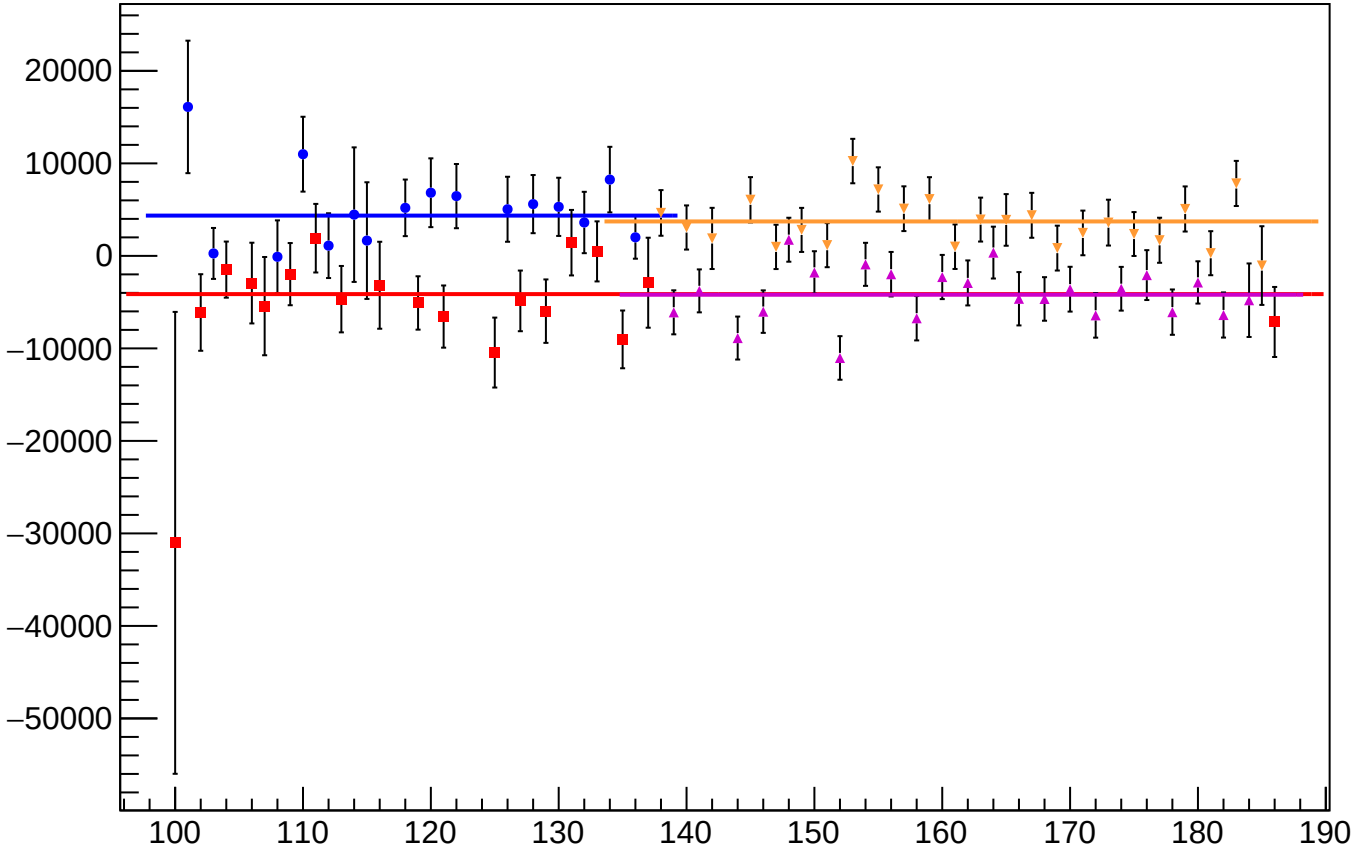
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6169585.1/40

All: 0.000+/-0.000 χ^2/NDF: 12661673.1/83

- sign 0.000+/-0.000 χ^2/NDF: 6491829.1/42

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -4131.264+/-849.108 χ^2/NDF: 16.8/18

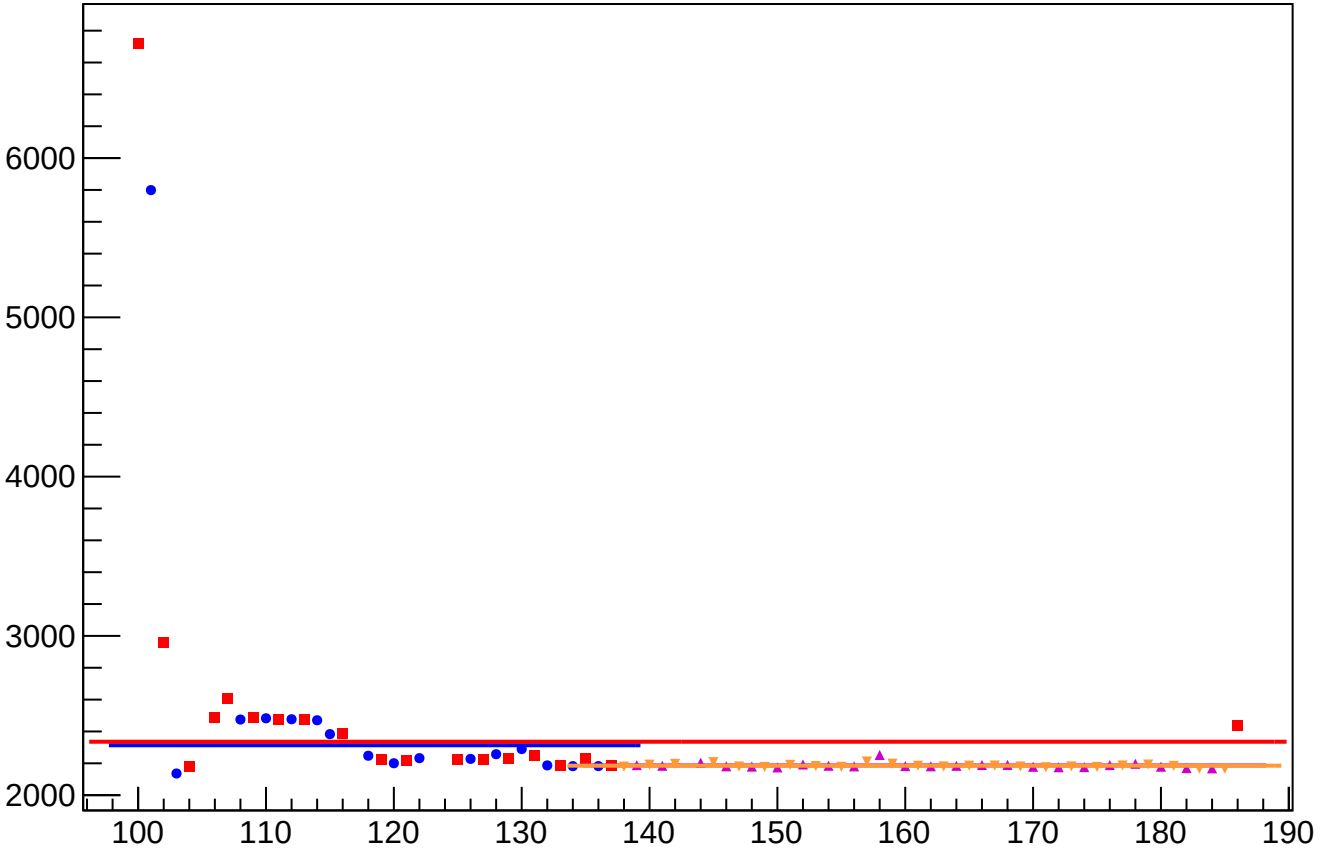
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3882.084+/-438.799 χ^2/NDF: 39.2/39

All: -159.706+/-309.840 χ^2/NDF: 257.3/81

- sign -4178.766+/-437.564 χ^2/NDF: 48.9/41

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

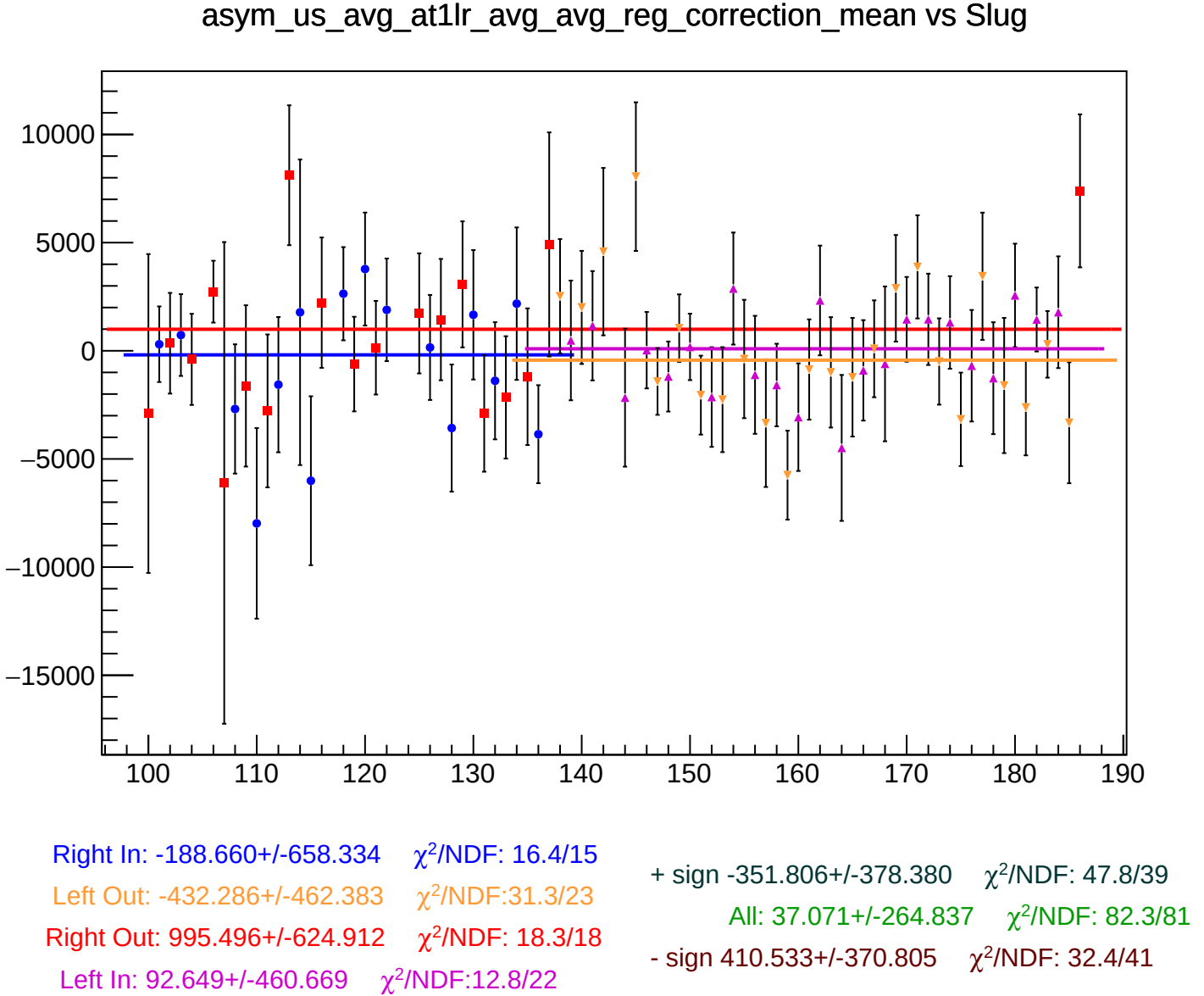
Right Out: 2335.497+/-0.600 χ^2/NDF: 152679.8/18

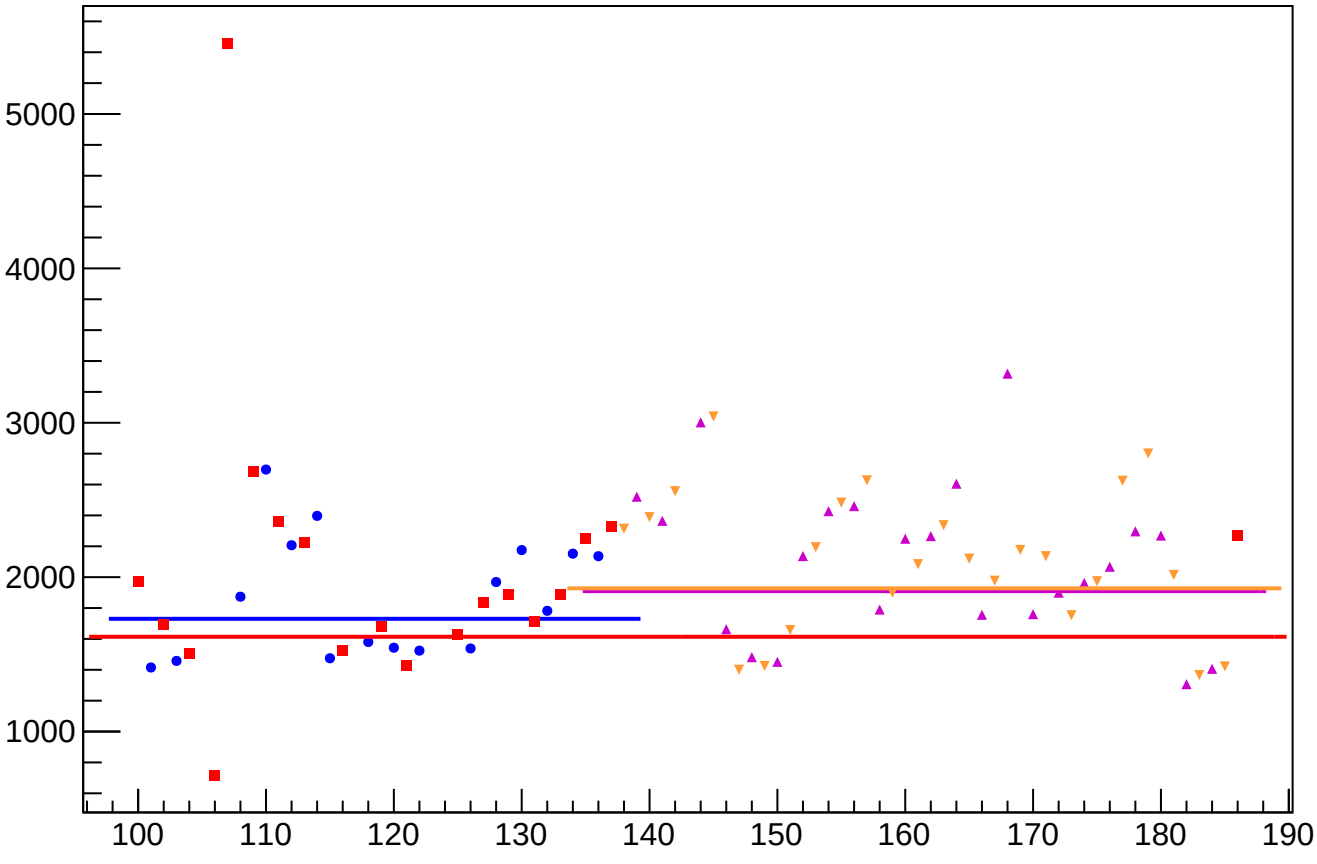
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2217.382+/-0.310 χ^2/NDF: 545355.5/39

All: 2221.827+/-0.219 χ^2/NDF: 745588.8/81

- sign 2226.247+/-0.309 χ^2/NDF: 199824.0/41


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -188.660+/-658.334 χ²/NDF: 16.4/15
Left Out: -432.286+/-462.383 χ²/NDF:31.3/23
Right Out: 995.496+/-624.912 χ²/NDF: 18.3/18
Left In: 92.649+/-460.669 χ²/NDF:12.8/22
+ sign -351.806+/-378.380 χ²/NDF: 47.8/39
All: 37.071+/-264.837 χ²/NDF: 82.3/81
- sign 410.533+/-370.805 χ²/NDF: 32.4/41



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

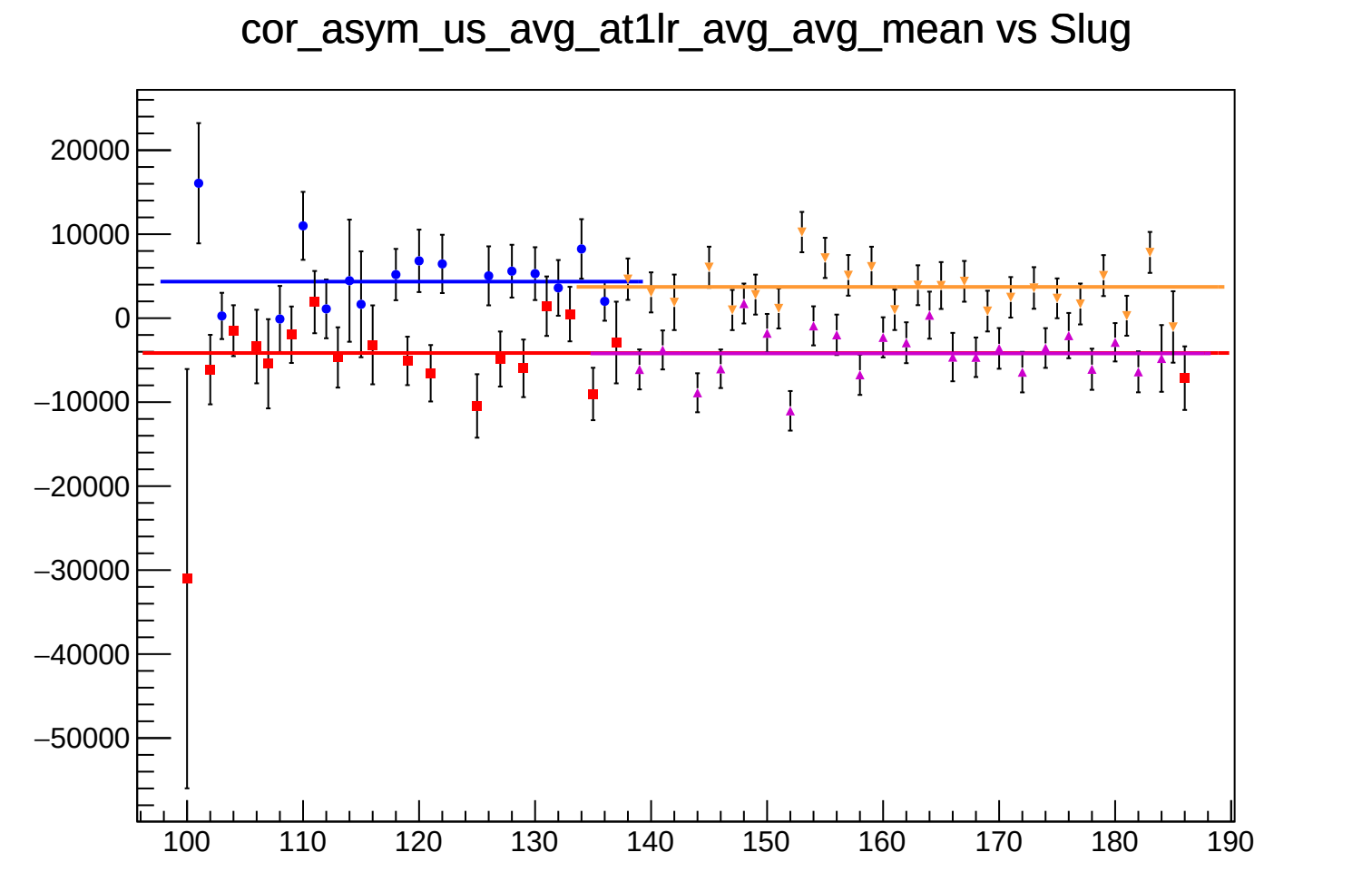
Right Out: 1614.014+/-0.442 χ^2/NDF: 1627568.5/18

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1862.460+/-0.268 χ^2/NDF: 2397698.0/39

All: 1833.422+/-0.187 χ^2/NDF: 6280565.0/81

- sign 1805.535+/-0.262 χ^2/NDF: 3859776.0/41



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4148.582+/-849.248 χ^2/NDF: 16.8/18

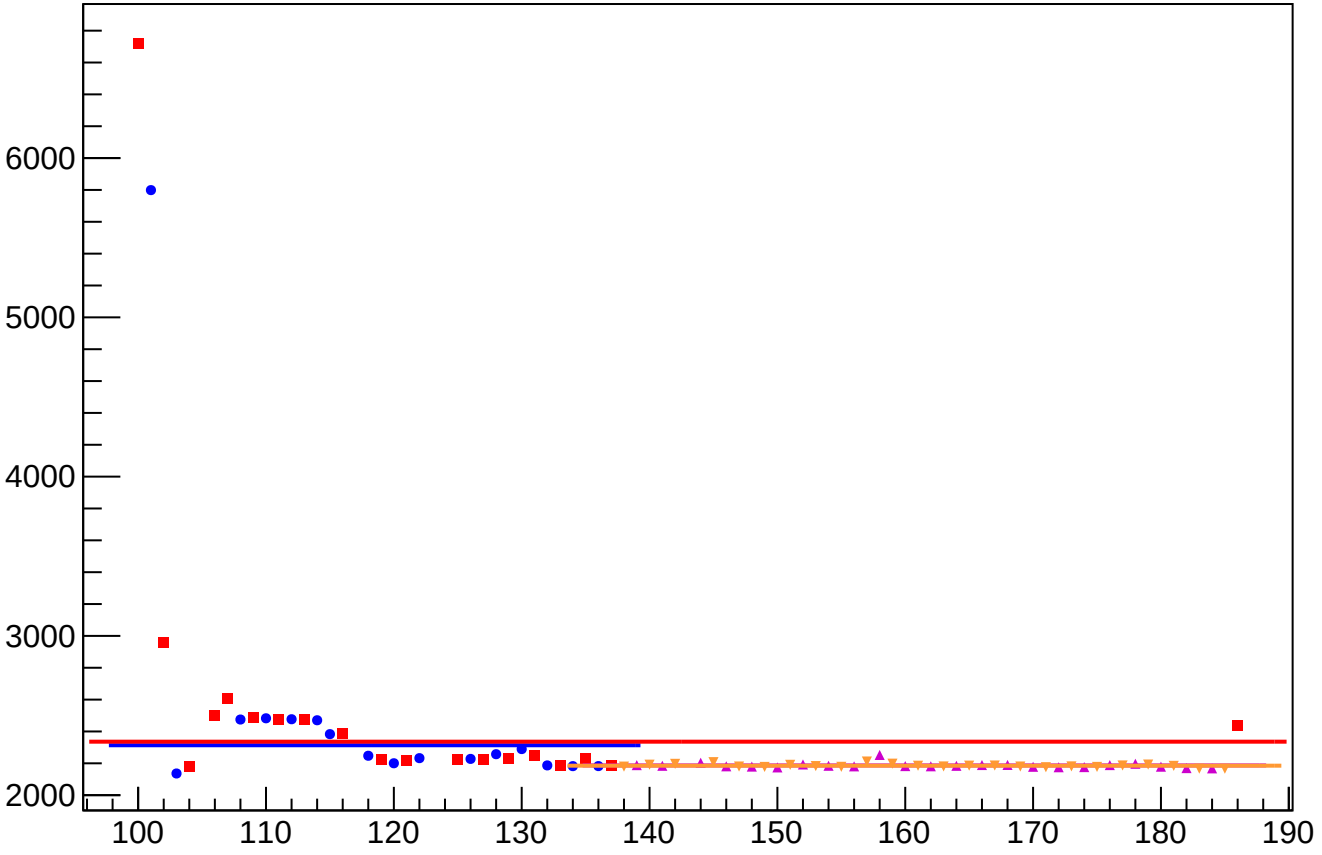
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3881.873+/-438.799 χ^2/NDF: 39.2/39

All: -161.987+/-309.847 χ^2/NDF: 257.5/81

- sign -4183.455+/-437.583 χ^2/NDF: 48.9/41

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

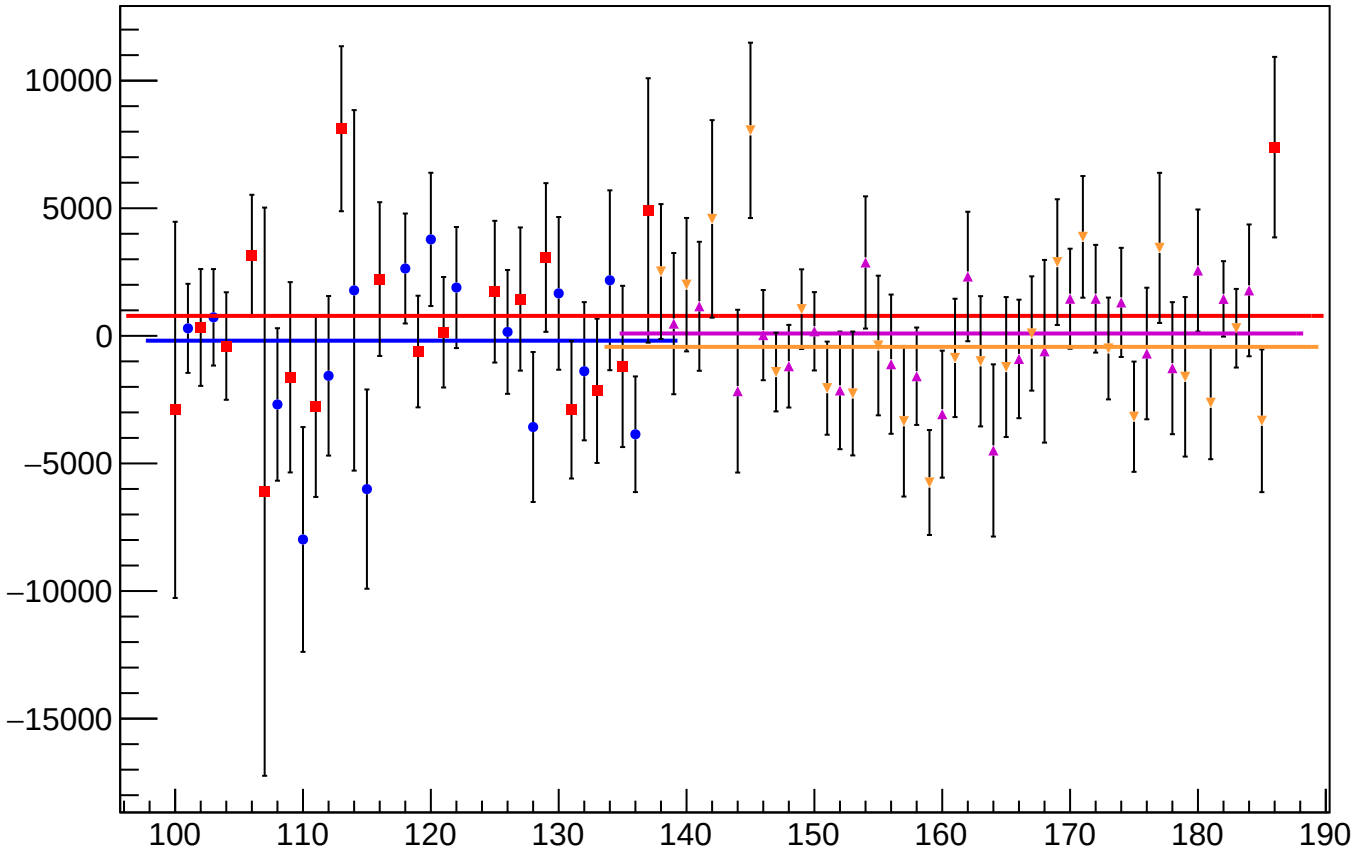
Right Out: 2335.849+/-0.601 χ^2/NDF: 153015.5/18

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2217.382+/-0.310 χ^2/NDF: 545355.9/39

All: 2221.869+/-0.219 χ^2/NDF: 746135.7/81

- sign 2226.332+/-0.309 χ^2/NDF: 200362.8/41



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

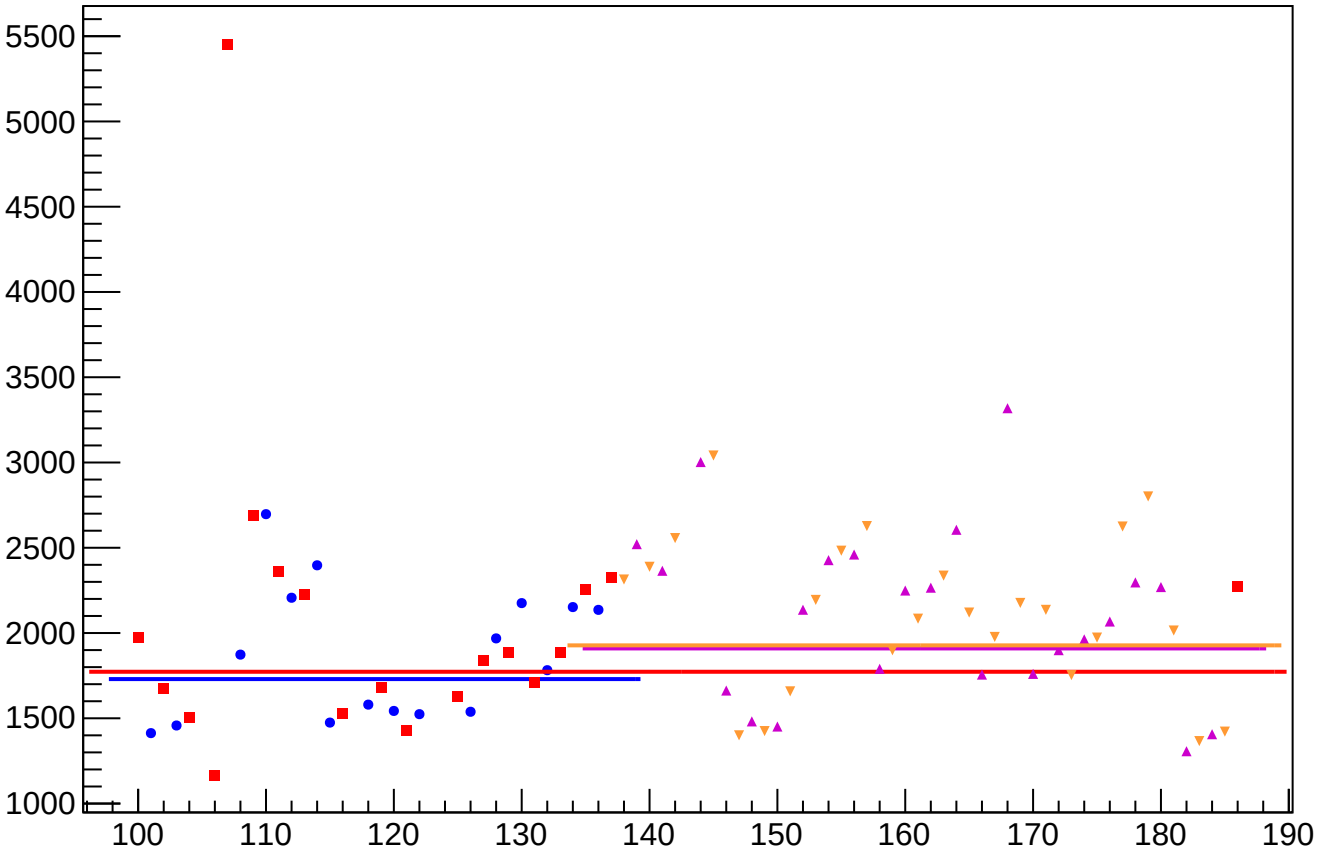
Right Out: 782.632+/-666.080 χ^2/NDF: 17.5/18

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -352.172+/-378.356 χ^2/NDF: 47.8/39

All: -18.616+/-267.724 χ^2/NDF: 80.4/81

- sign 315.870+/-378.882 χ^2/NDF: 31.0/41



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

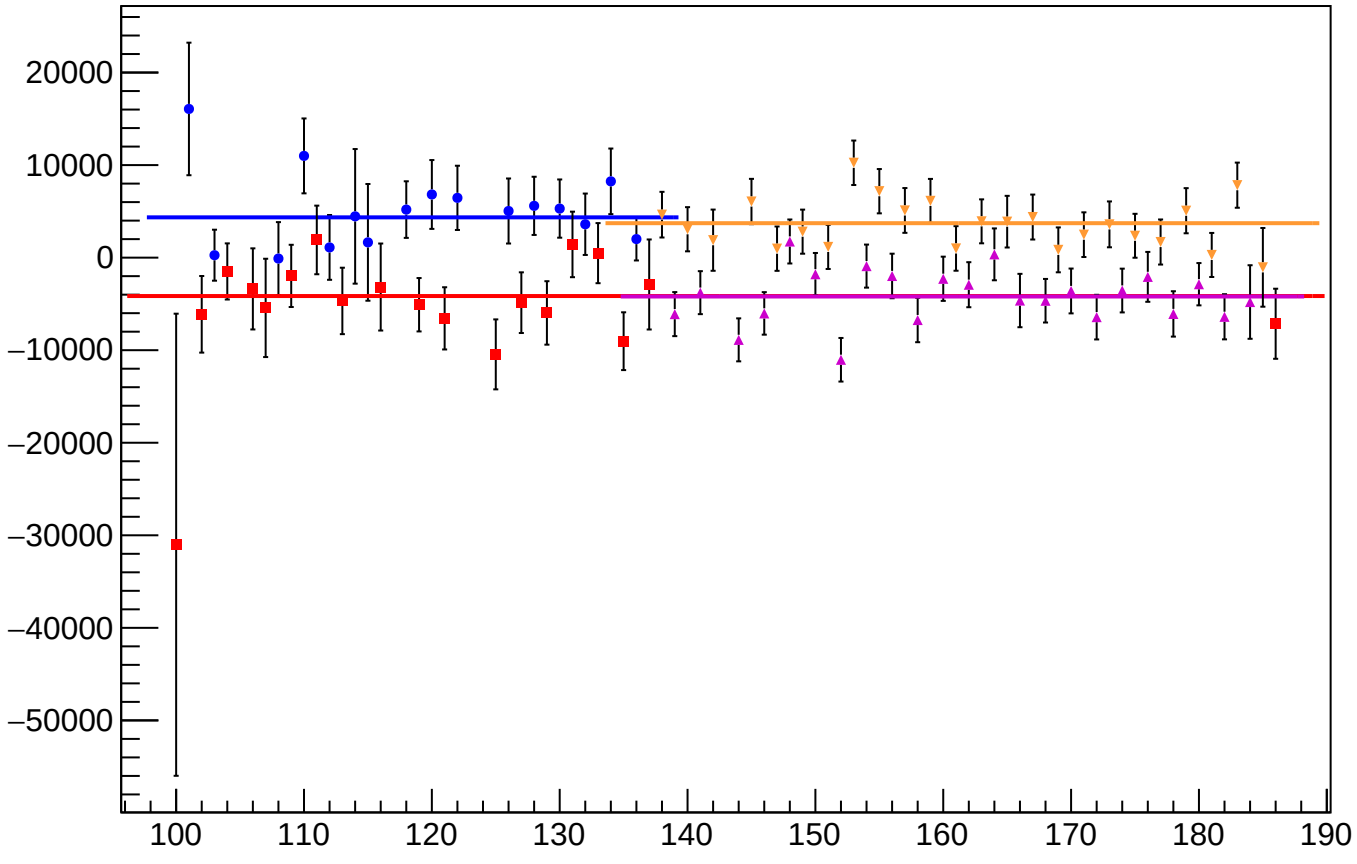
Right Out: 1772.865+/-0.471 χ^2/NDF: 792241.0/18

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1862.313+/-0.268 χ^2/NDF: 2399193.8/39

All: 1863.839+/-0.189 χ^2/NDF: 5190813.6/81

- sign 1865.370+/-0.268 χ^2/NDF: 2791554.7/41



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4148.582+/-849.248 χ^2/NDF: 16.8/18

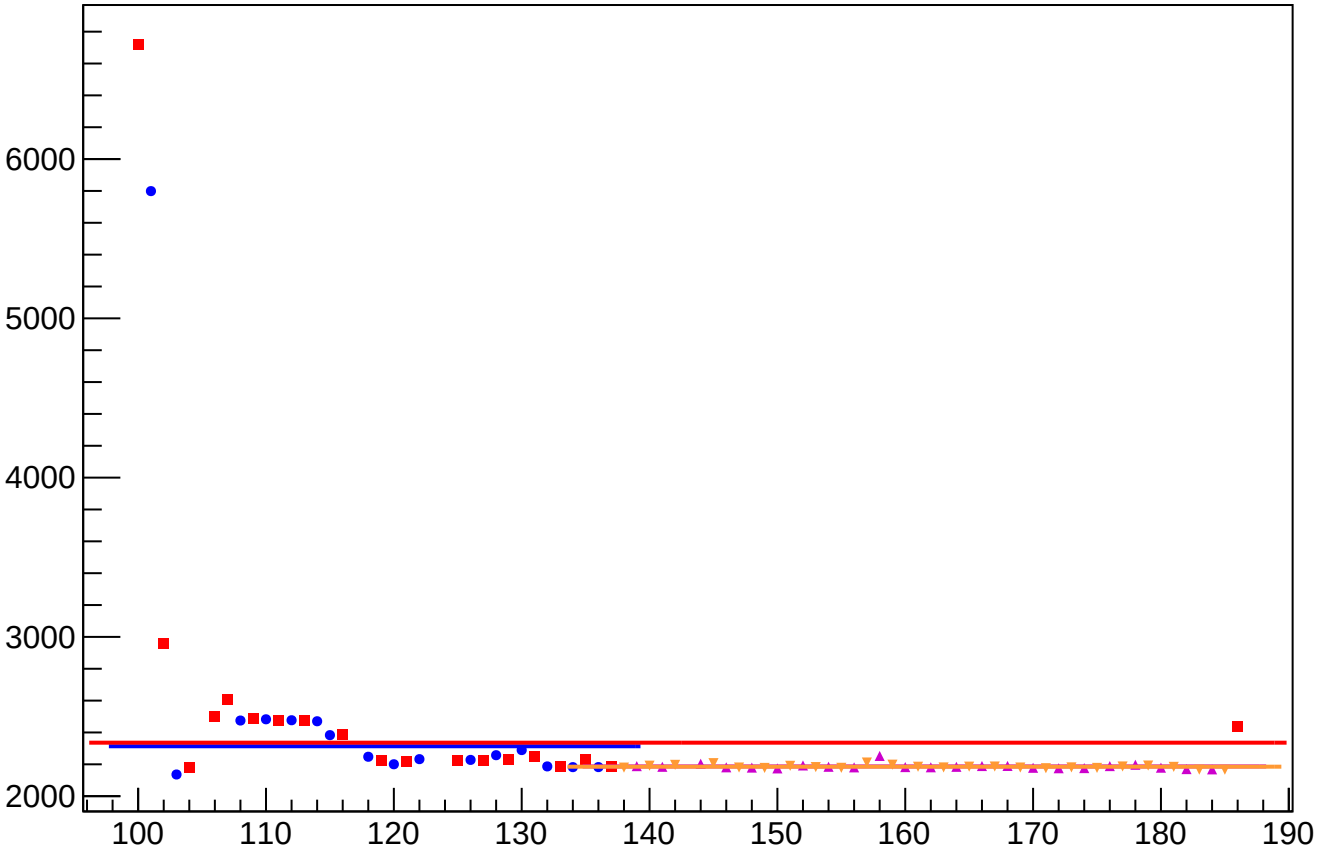
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3881.873+/-438.799 χ^2/NDF: 39.2/39

All: -161.987+/-309.847 χ^2/NDF: 257.5/81

- sign -4183.455+/-437.583 χ^2/NDF: 48.9/41

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

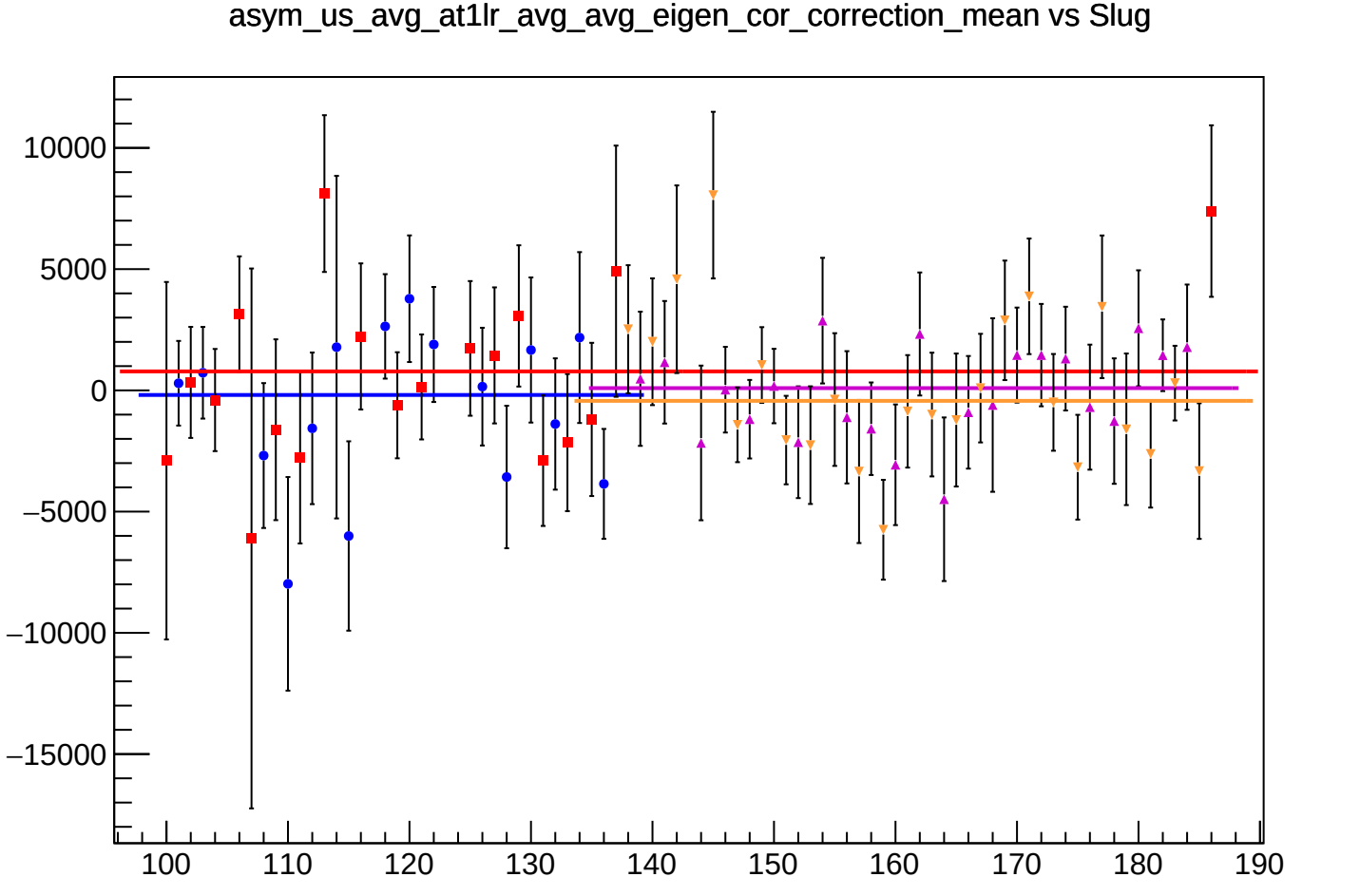
Right Out: 2335.849+/-0.601 χ^2/NDF: 153015.5/18

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2217.382+/-0.310 χ^2/NDF: 545355.9/39

All: 2221.869+/-0.219 χ^2/NDF: 746135.7/81

- sign 2226.332+/-0.309 χ^2/NDF: 200362.8/41



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

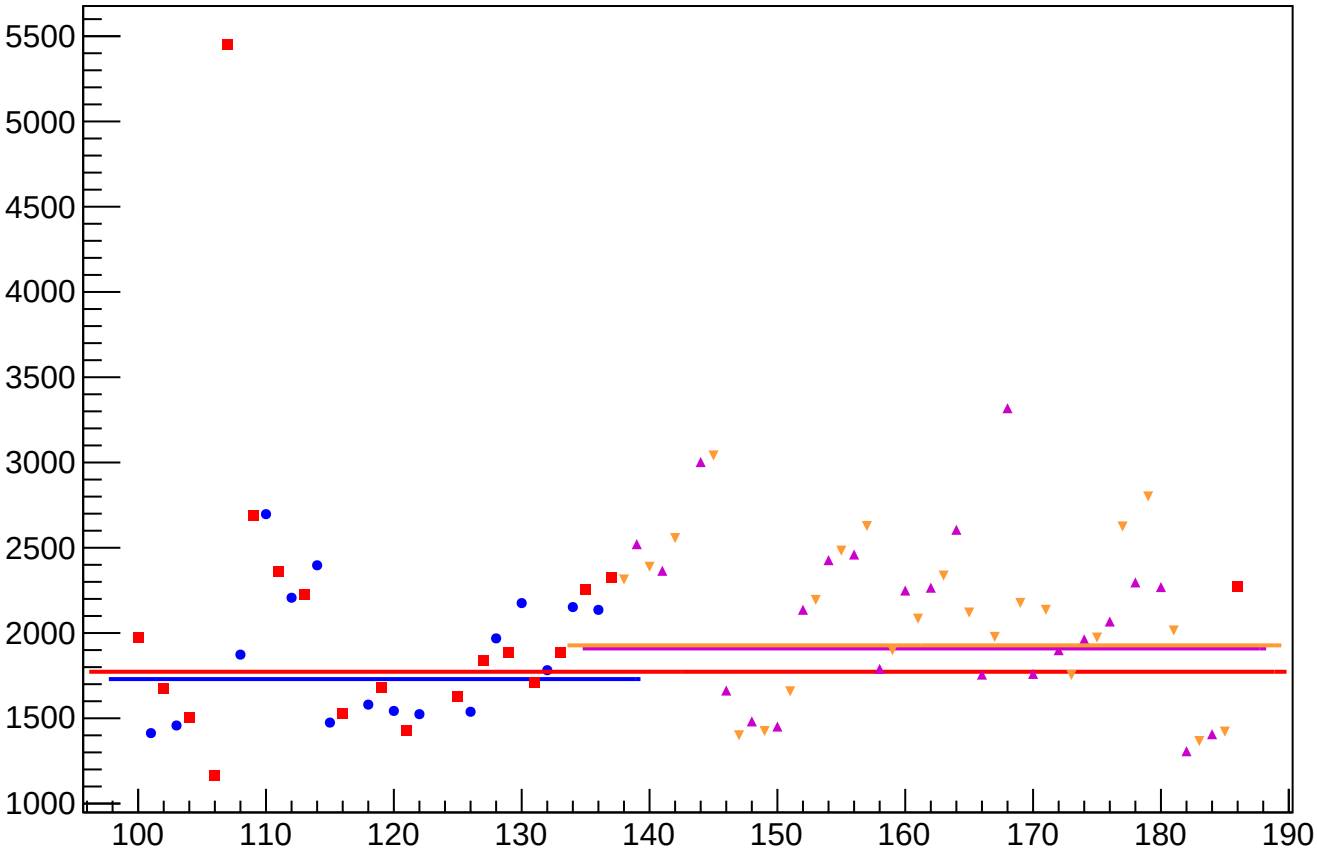
Right Out: 782.632+/-666.080 χ^2/NDF: 17.5/18

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -352.172+/-378.356 χ^2/NDF: 47.8/39

All: -18.616+/-267.724 χ^2/NDF: 80.4/81

- sign 315.870+/-378.882 χ^2/NDF: 31.0/41



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1772.865+/-0.471 χ^2/NDF: 792241.0/18

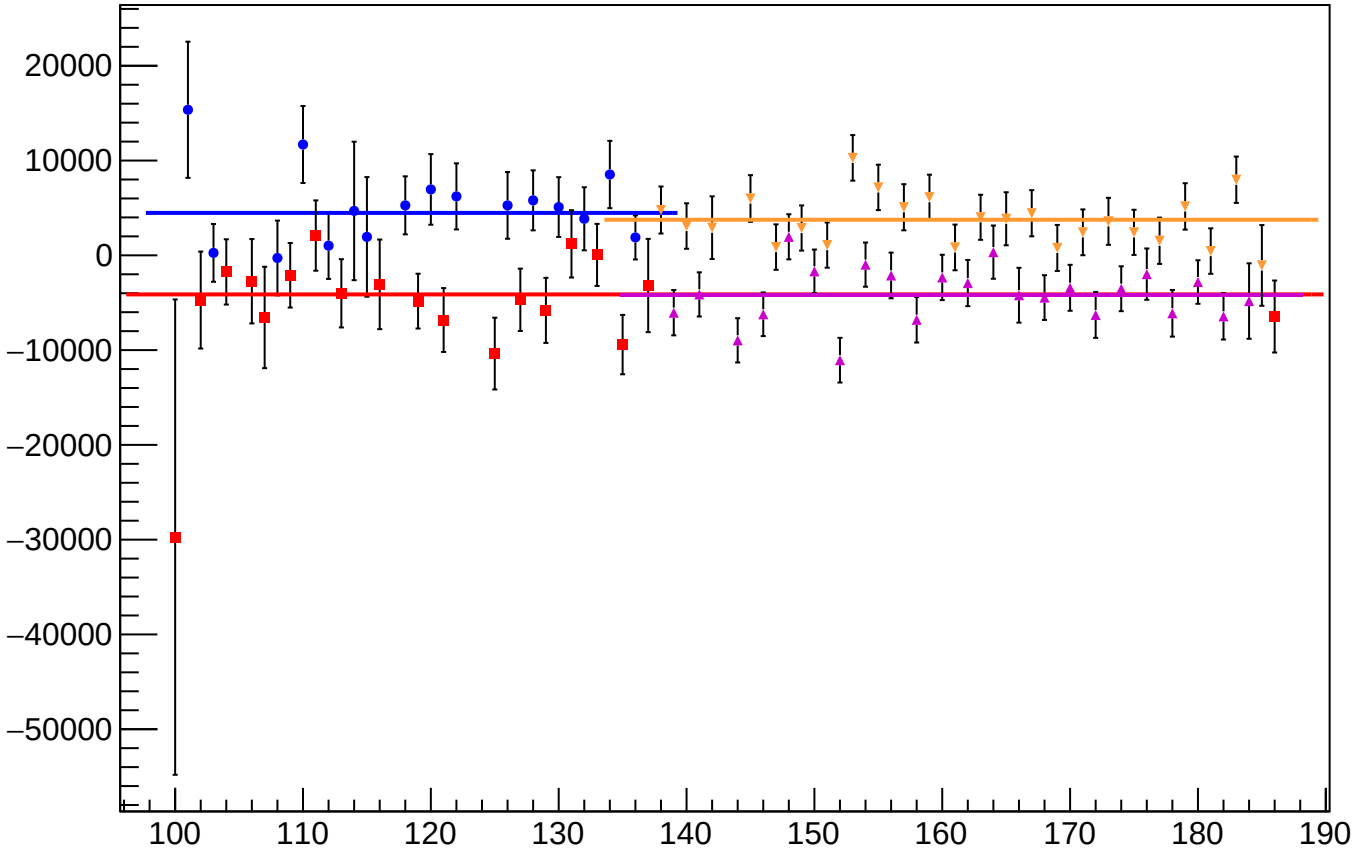
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1862.313+/-0.268 χ^2/NDF: 2399193.8/39

All: 1863.839+/-0.189 χ^2/NDF: 5190813.6/81

- sign 1865.370+/-0.268 χ^2/NDF: 2791554.7/41

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -4123.975+/-866.932 χ^2/NDF: 15.9/18

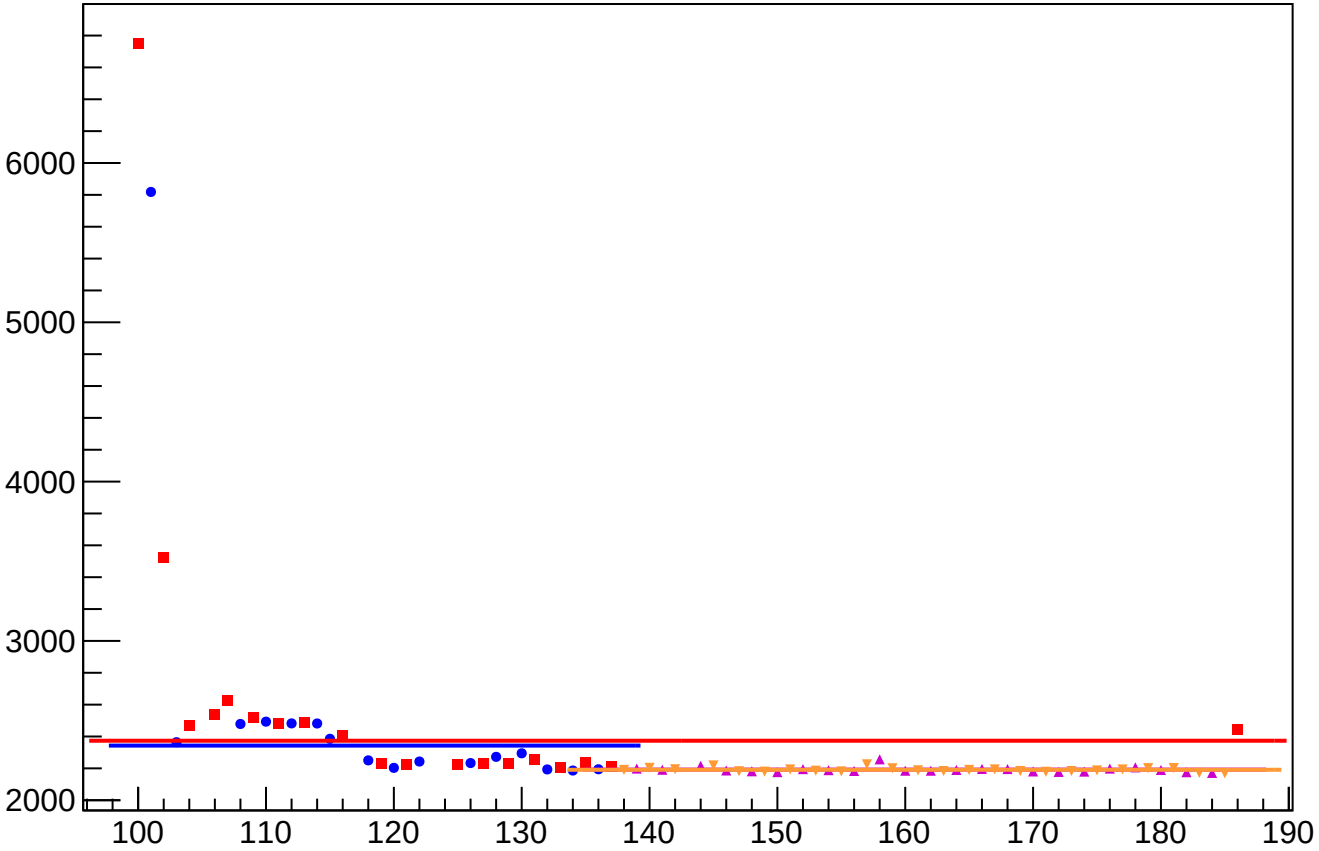
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3933.061+/-441.081 χ^2/NDF: 39.7/39

All: -120.659+/-311.781 χ^2/NDF: 257.1/81

- sign -4168.642+/-440.769 χ^2/NDF: 48.6/41

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

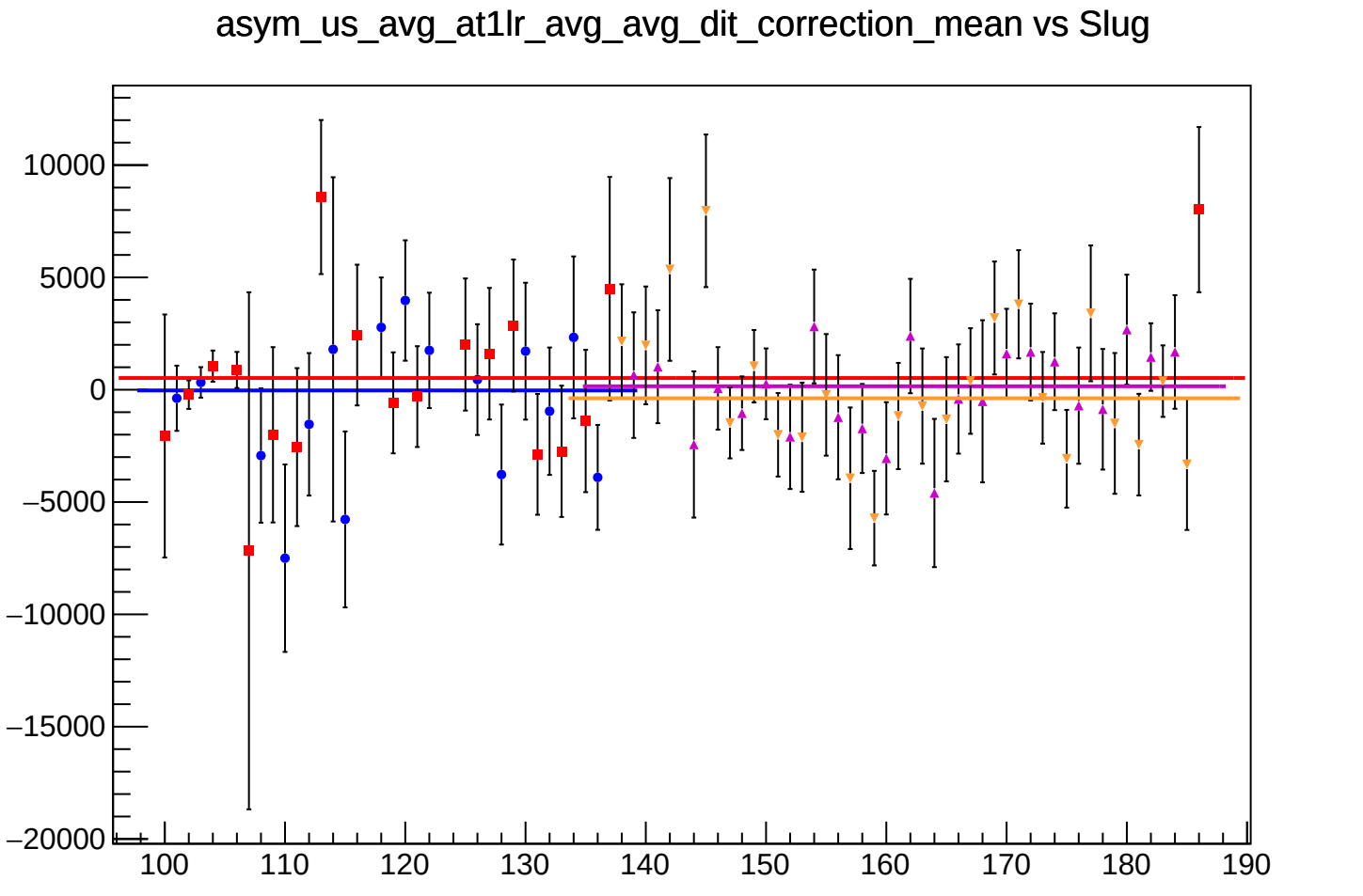
Right Out: 2373.407+/-0.613 χ^2/NDF: 210859.4/18

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2228.753+/-0.312 χ^2/NDF: 548229.2/39

All: 2233.901+/-0.220 χ^2/NDF: 826706.8/81

- sign 2239.042+/-0.312 χ^2/NDF: 277933.1/41



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

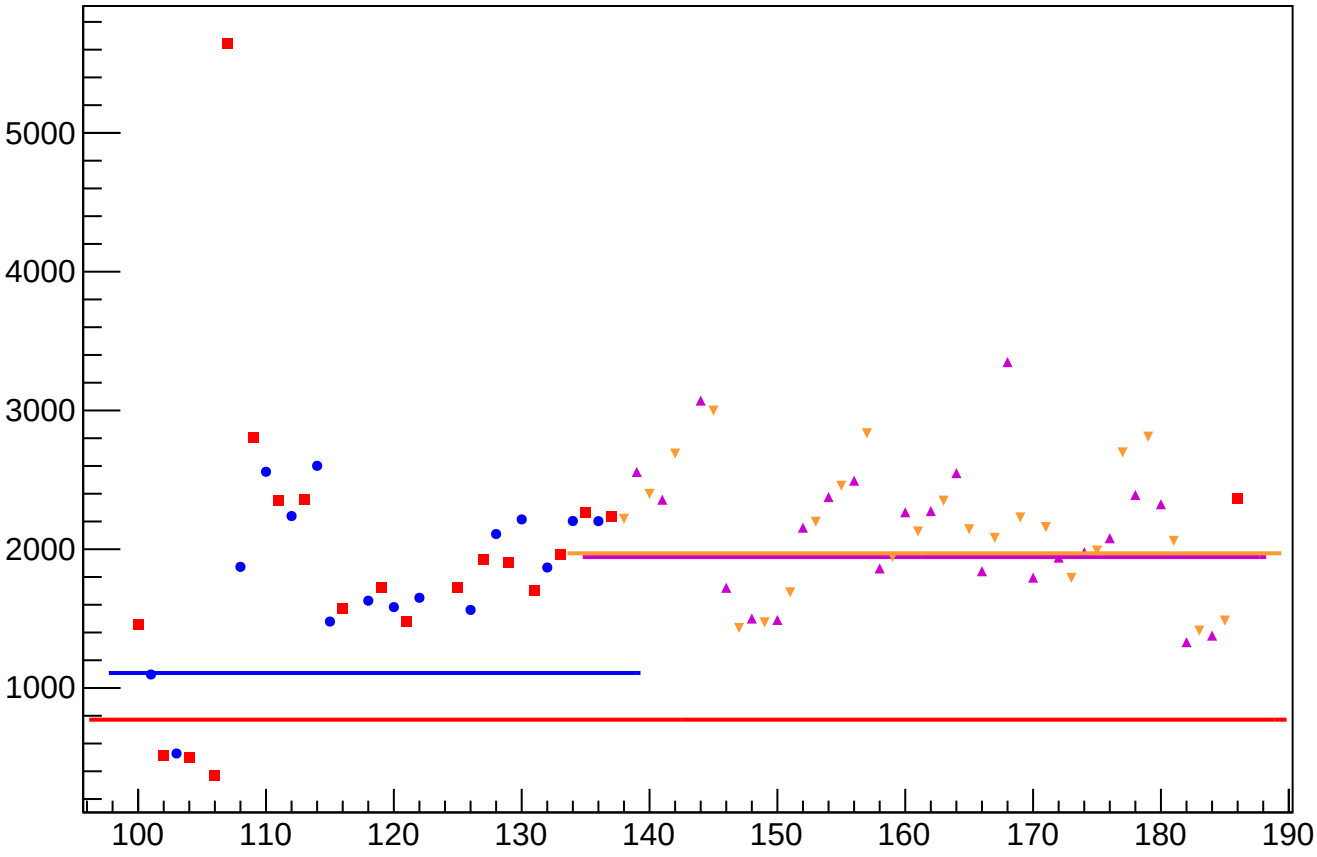
Right Out: 521.134+/-360.821 χ^2/NDF: 19.3/18

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -210.992+/-338.177 χ^2/NDF: 47.3/39

All: 136.411+/-218.266 χ^2/NDF: 81.6/81

- sign 384.453+/-285.753 χ^2/NDF: 32.5/41



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

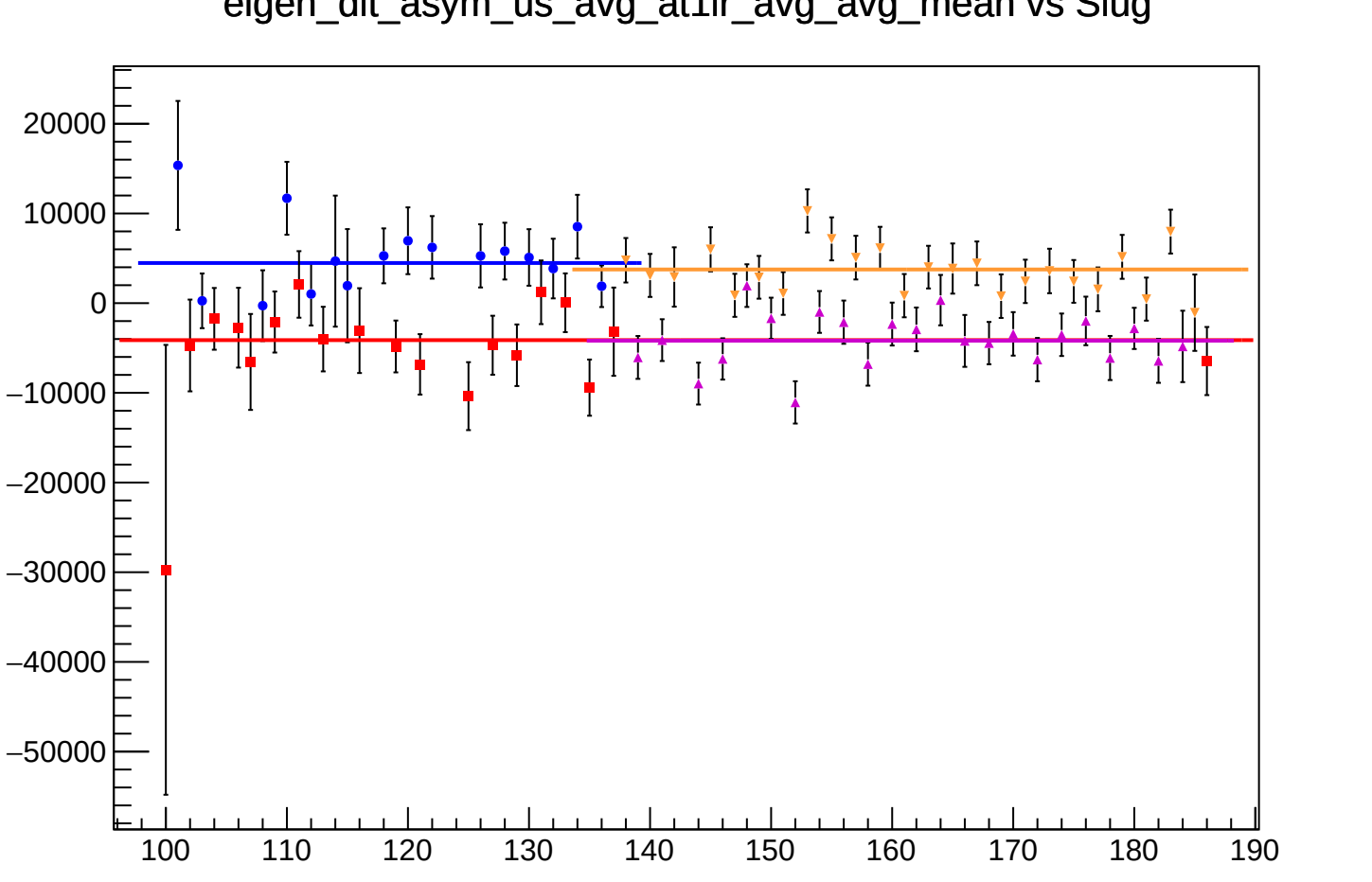
Right Out: 771.877+/-0.255 χ^2/NDF: 5980841.7/18

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1551.878+/-0.239 χ^2/NDF: 8692905.6/39

All: 1351.668+/-0.154 χ^2/NDF: 25621523.8/8

- sign 1208.720+/-0.202 χ^2/NDF: 15727125.5/41



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -4123.970+/-866.932 χ^2/NDF: 15.9/18

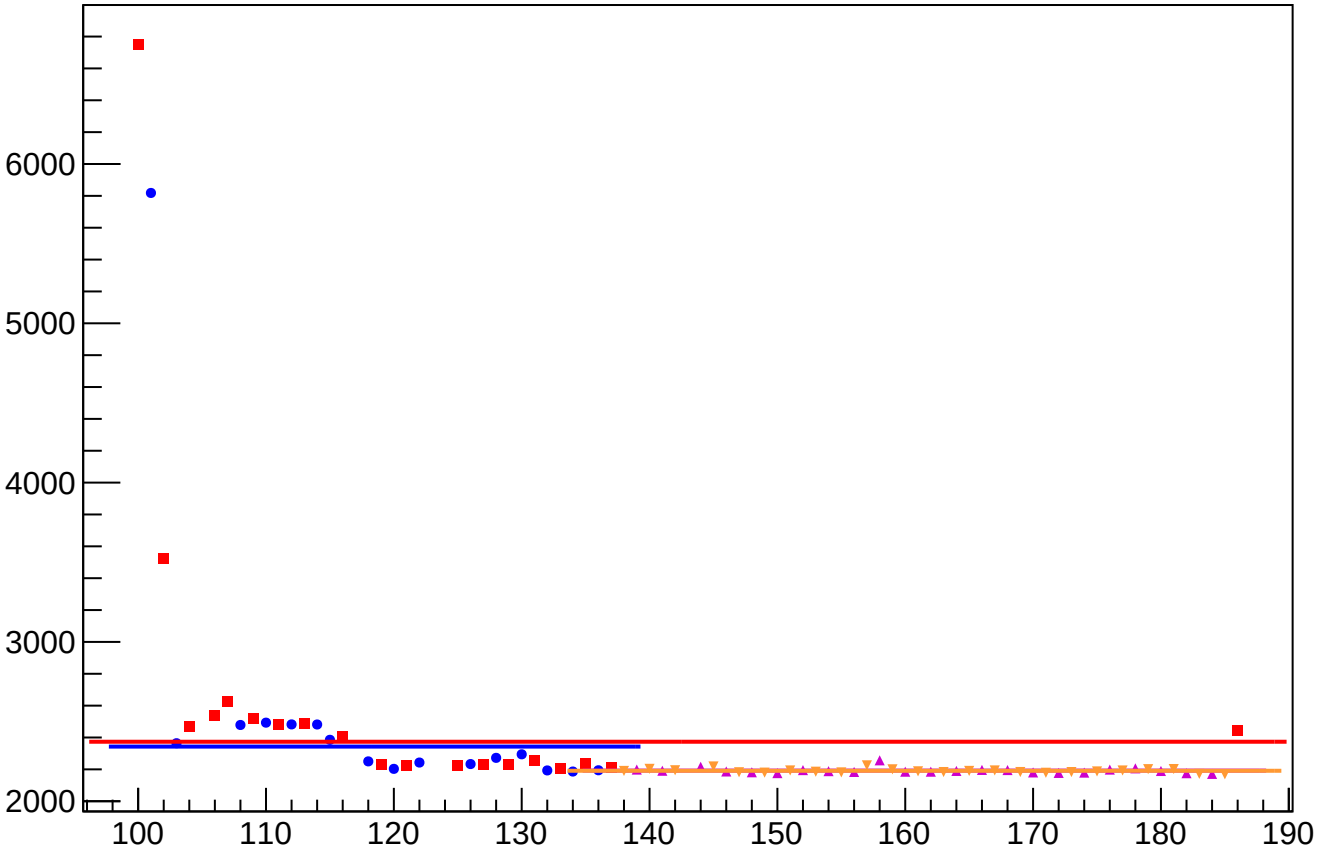
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3933.059+/-441.081 χ^2/NDF: 39.7/39

All: -120.660+/-311.781 χ^2/NDF: 257.1/81

- sign -4168.642+/-440.769 χ^2/NDF: 48.6/41

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

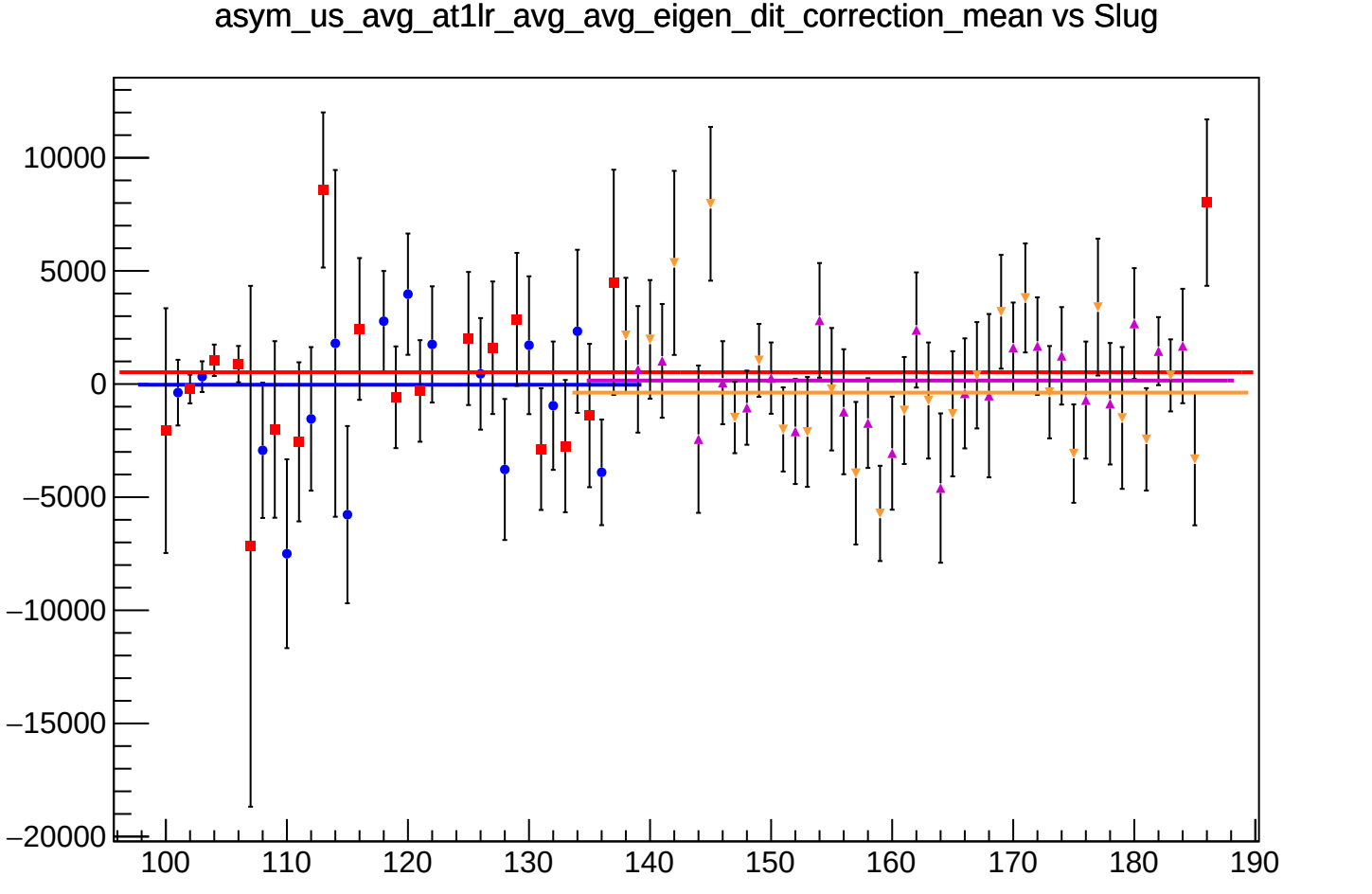
Right Out: 2373.406+/-0.613 χ^2/NDF: 210858.3/18

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2228.753+/-0.312 χ^2/NDF: 548228.9/39

All: 2233.901+/-0.220 χ^2/NDF: 826705.1/81

- sign 2239.042+/-0.312 χ^2/NDF: 277931.7/41



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

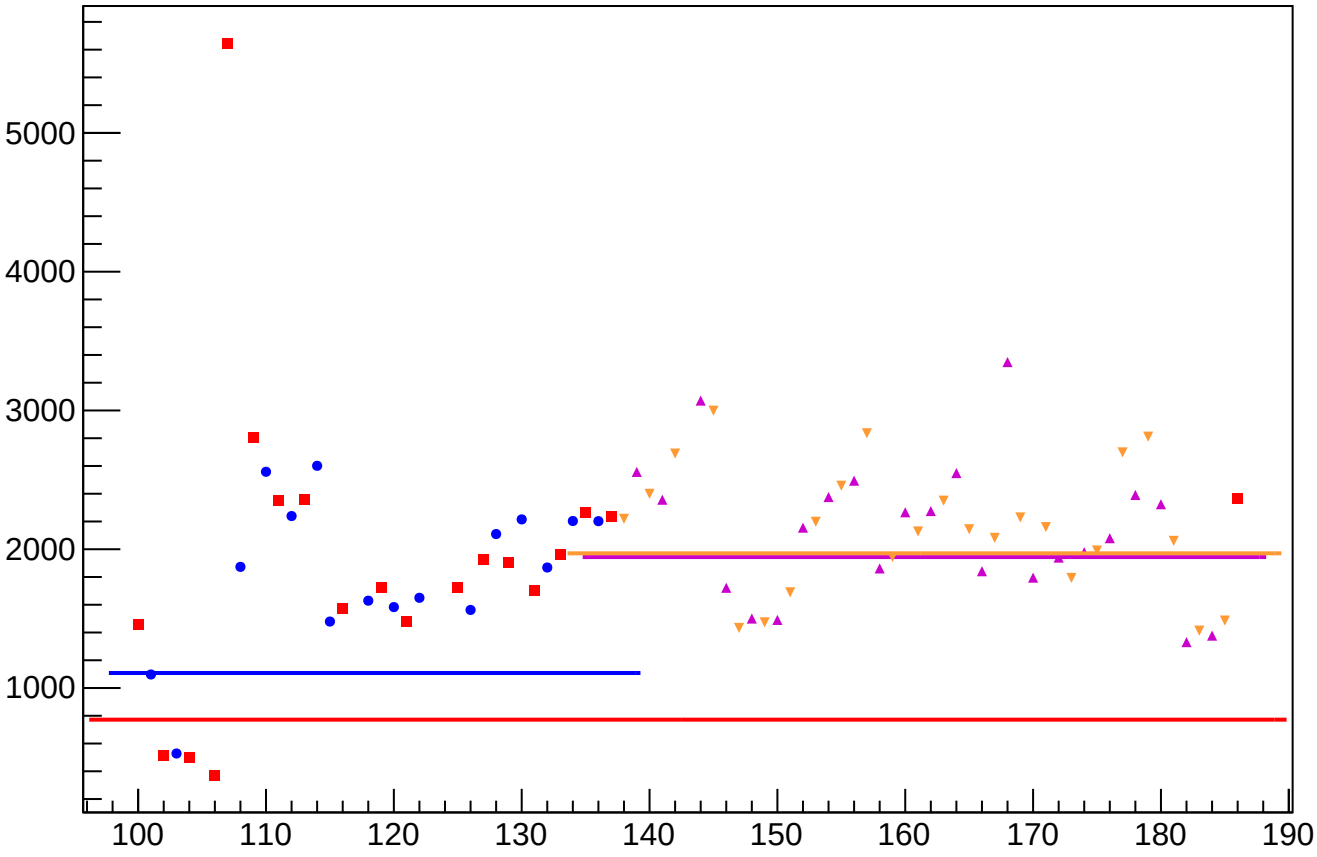
Right Out: 521.139+/-360.825 χ^2/NDF: 19.3/18

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -210.998+/-338.178 χ^2/NDF: 47.3/39

All: 136.407+/-218.267 χ^2/NDF: 81.6/81

- sign 384.454+/-285.755 χ^2/NDF: 32.5/41



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 771.893+/-0.255 χ^2/NDF: 5980717.8/18

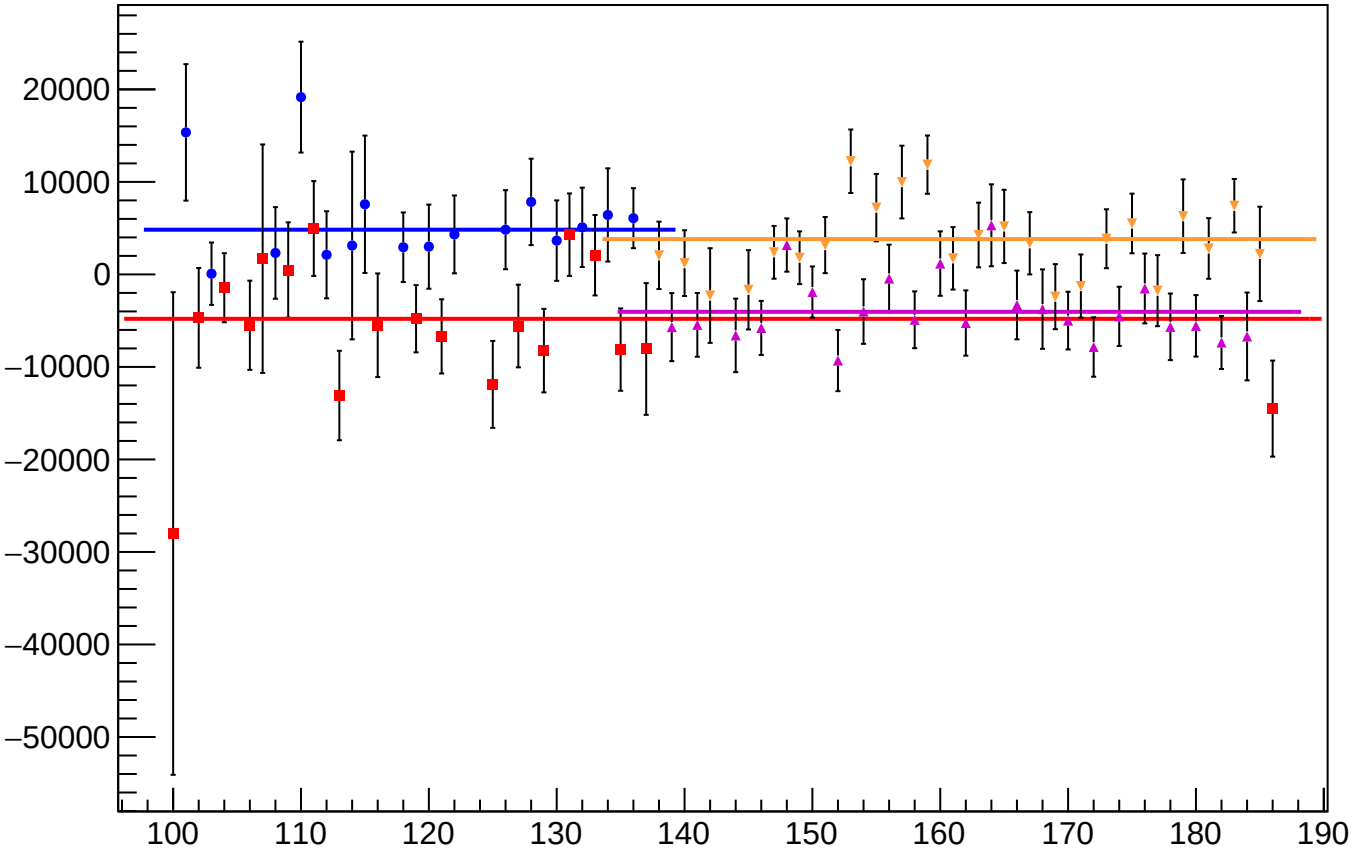
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1551.886+/-0.239 χ^2/NDF: 8692759.4/39

All: 1351.682+/-0.154 χ^2/NDF: 25620923.7/8

- sign 1208.737+/-0.202 χ^2/NDF: 15726747.7/41

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -4800.423+/-1117.691 χ^2/NDF: 23.6/18

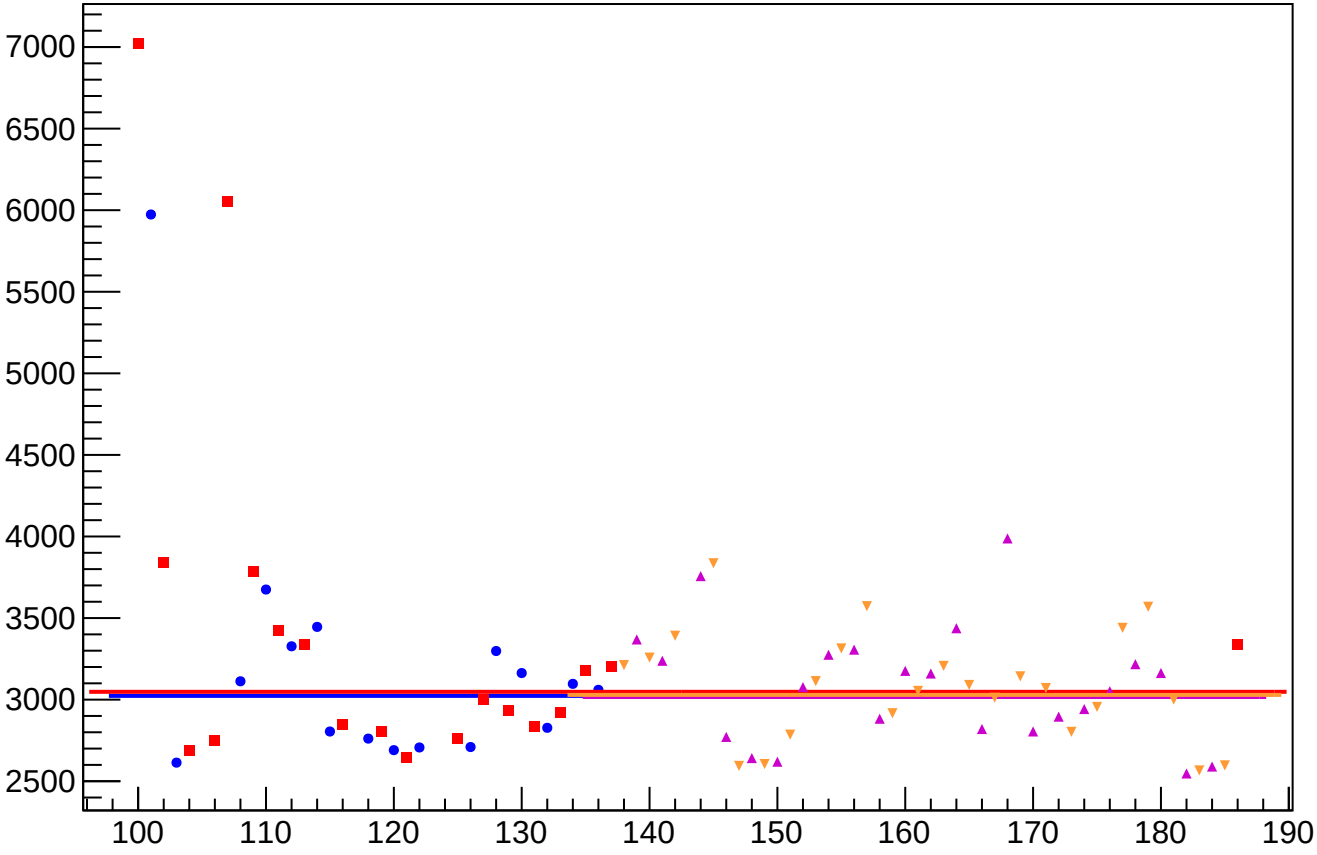
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4099.902+/-602.010 χ^2/NDF: 43.1/39

All: -100.753+/-424.634 χ^2/NDF: 186.4/81

- sign -4260.168+/-599.048 χ^2/NDF: 46.4/41

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

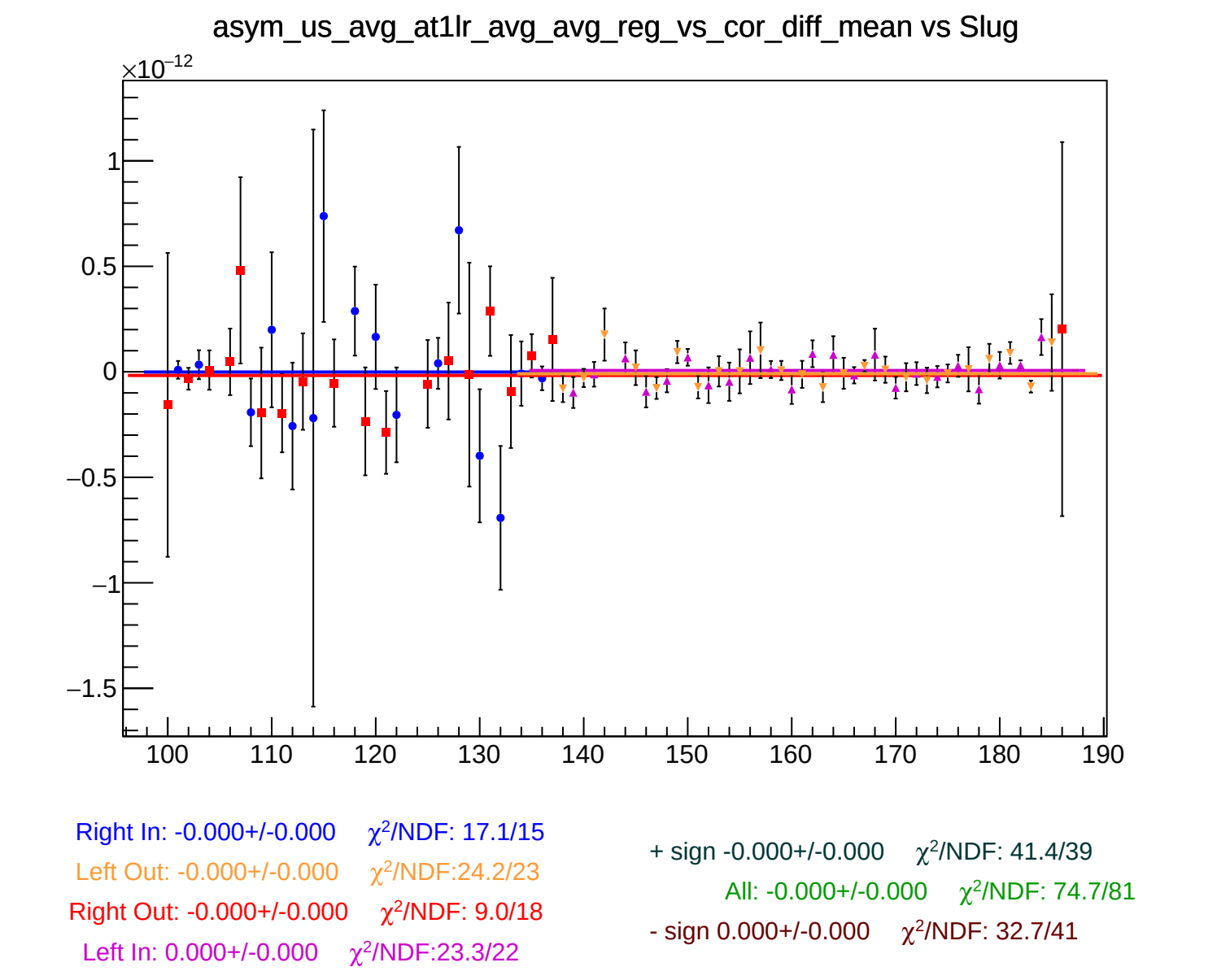
Right Out: 3047.975+/-0.790 χ^2/NDF: 349226.7/18

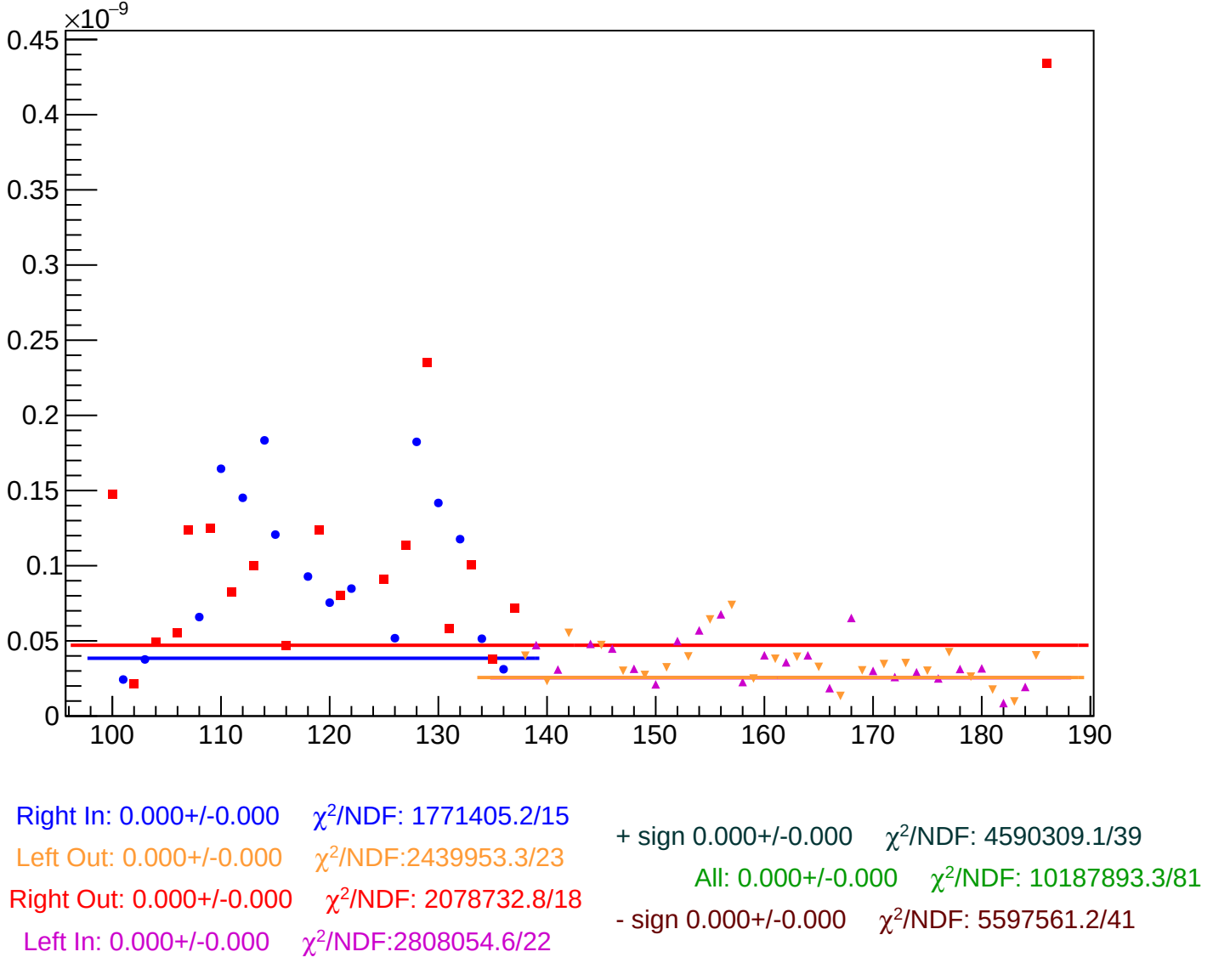
Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

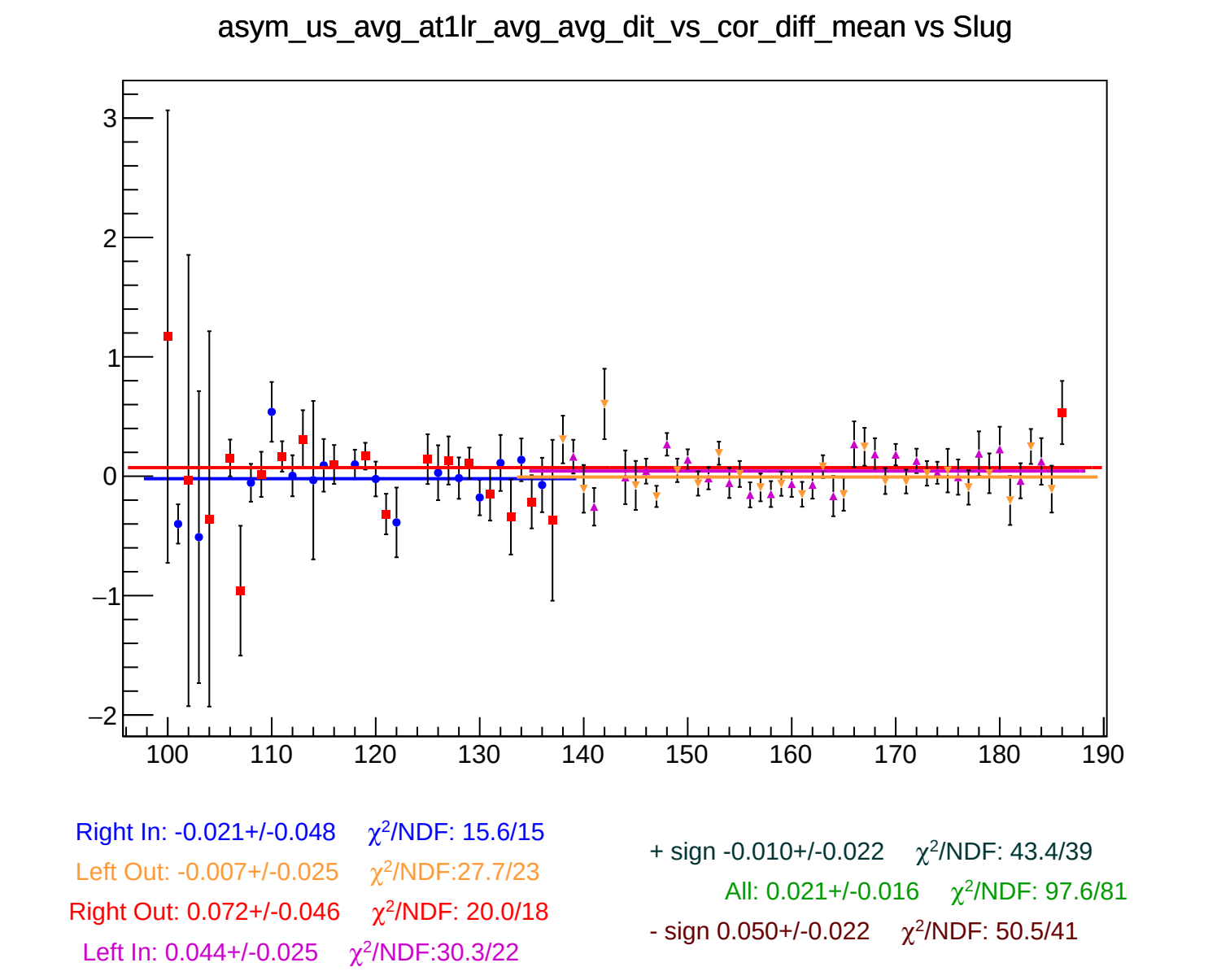
+ sign 3027.341+/-0.426 χ^2/NDF: 840855.7/39

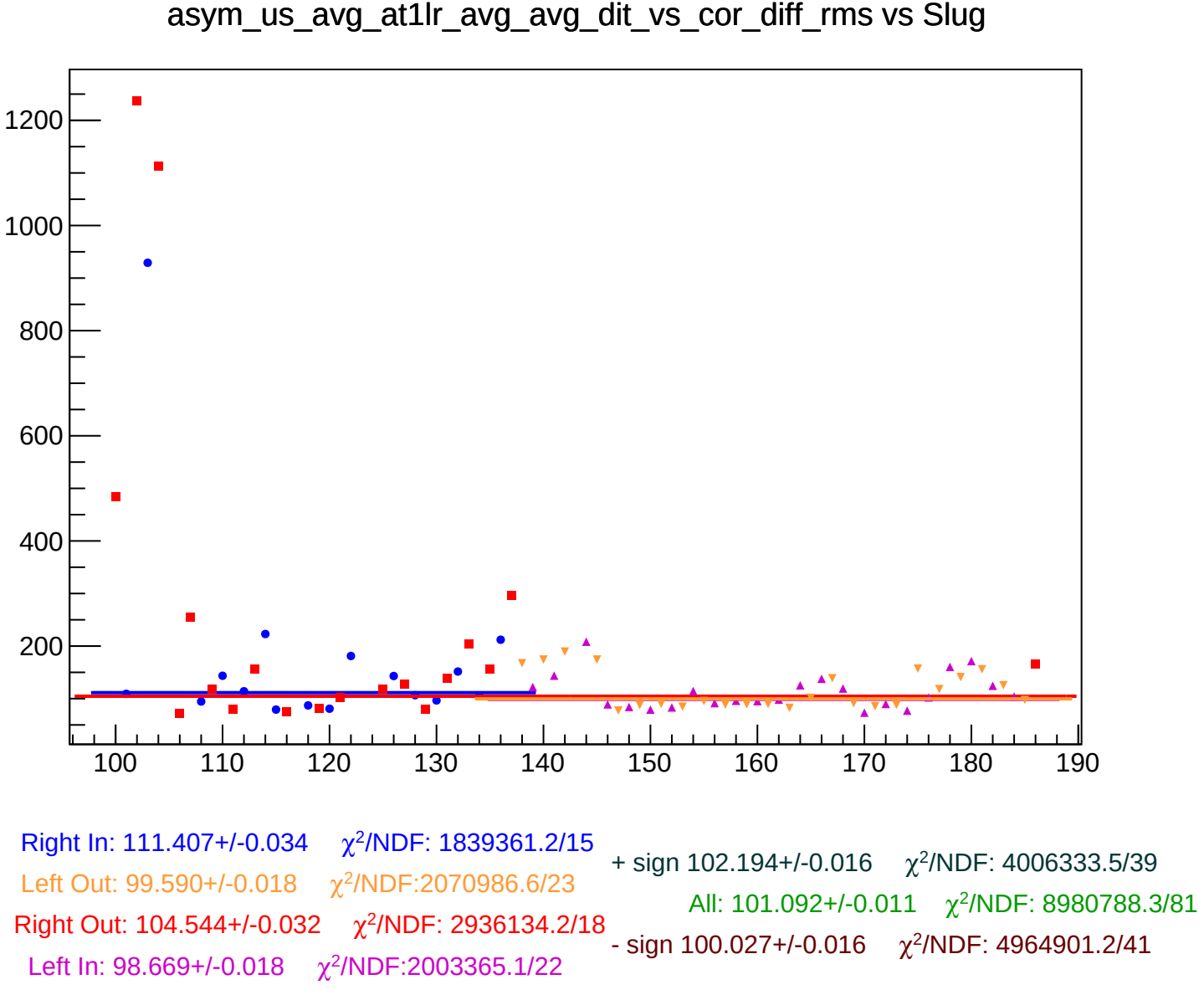
All: 3026.348+/-0.300 χ^2/NDF: 1631139.4/81

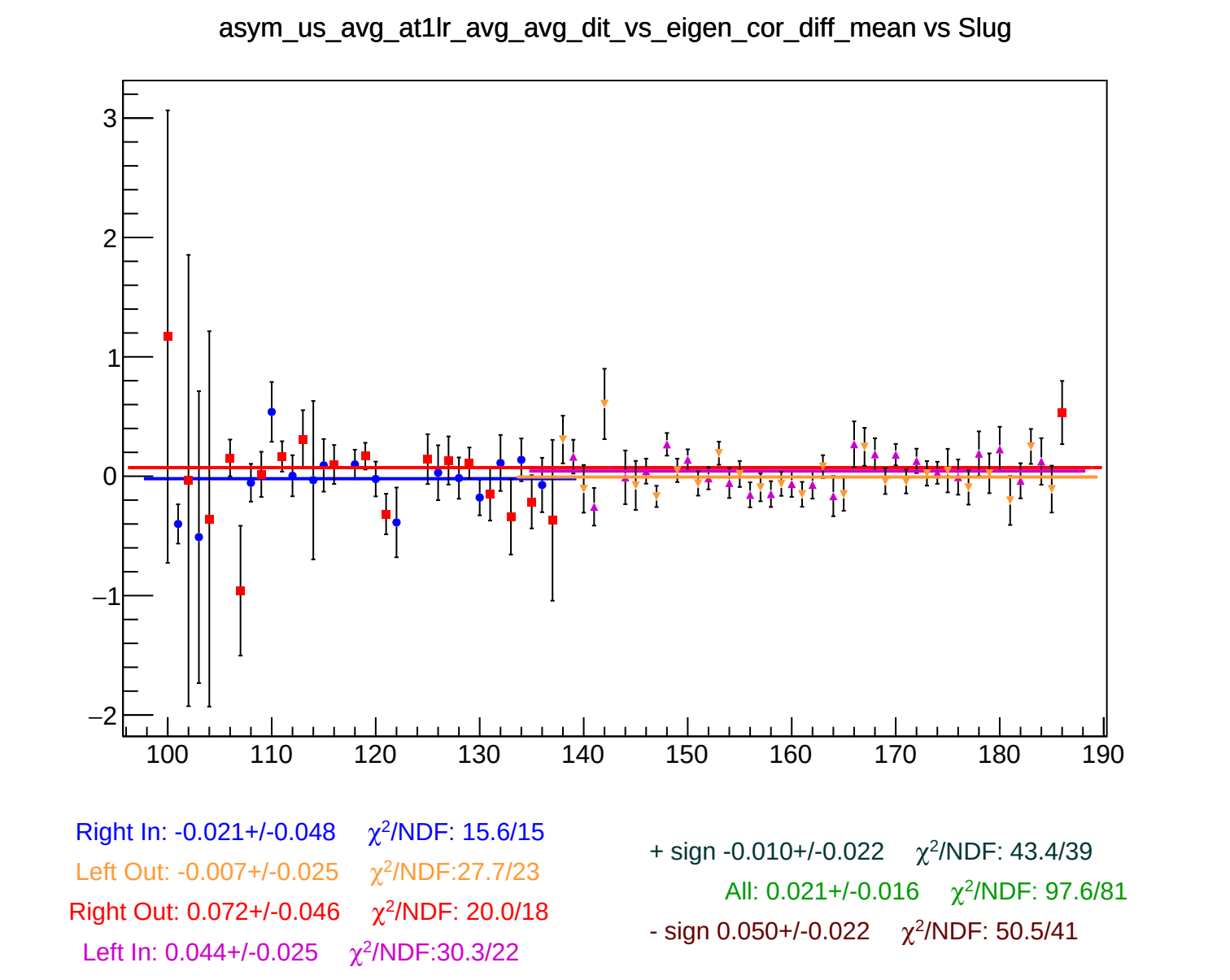
- sign 3025.365+/-0.424 χ^2/NDF: 790272.9/41

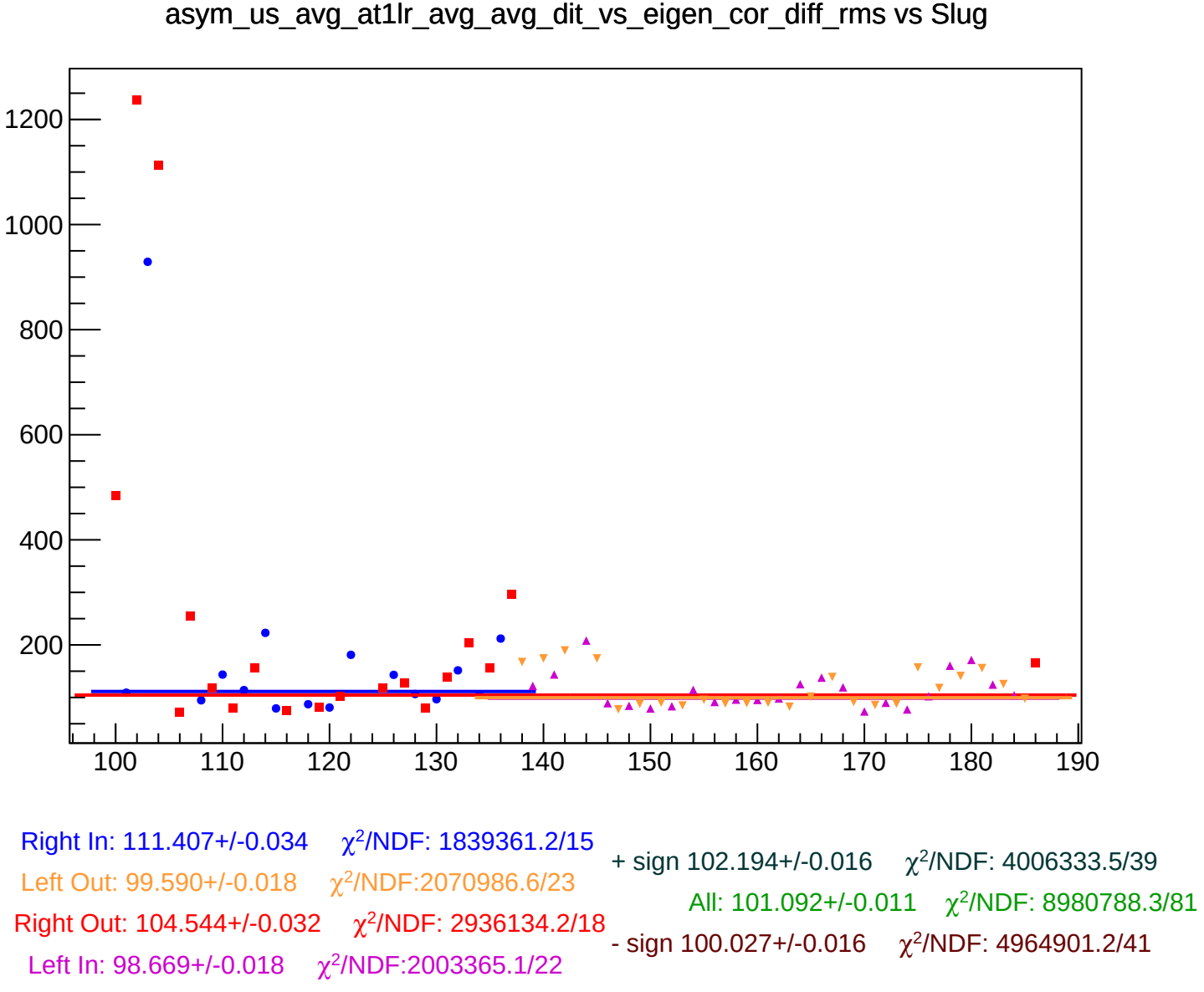

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.1/15
Left Out: -0.000+/-0.000 χ²/NDF:24.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 9.0/18
Left In: 0.000+/-0.000 χ²/NDF:23.3/22
+ sign -0.000+/-0.000 χ²/NDF: 41.4/39
All: -0.000+/-0.000 χ²/NDF: 74.7/81
- sign 0.000+/-0.000 χ²/NDF: 32.7/41

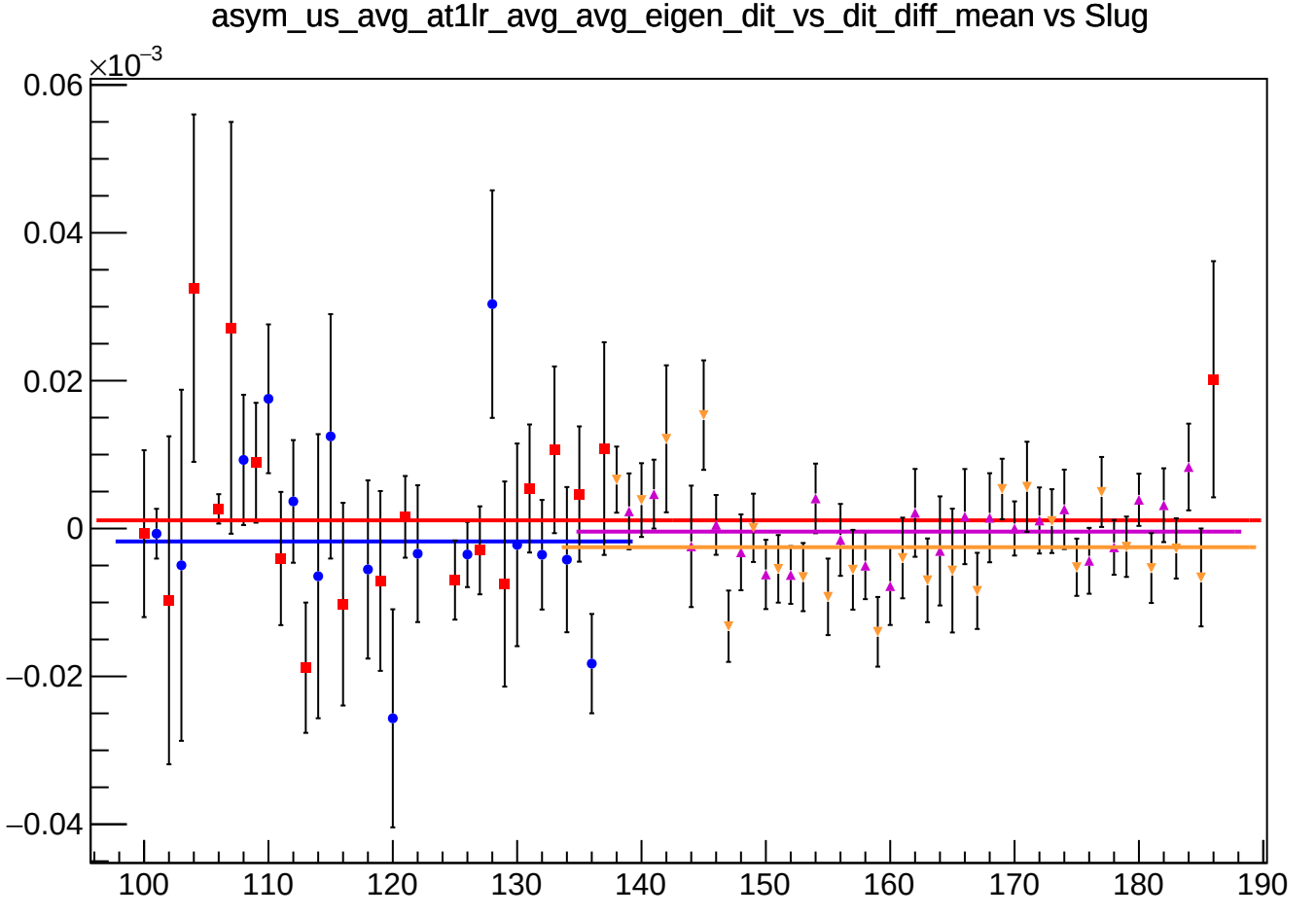

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2439953.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2078732.8/18
Left In: 0.000+/-0.000 χ²/NDF:2808054.6/22
+ sign 0.000+/-0.000 χ²/NDF: 4590309.1/39
All: 0.000+/-0.000 χ²/NDF: 10187893.3/81
- sign 0.000+/-0.000 χ²/NDF: 5597561.2/41

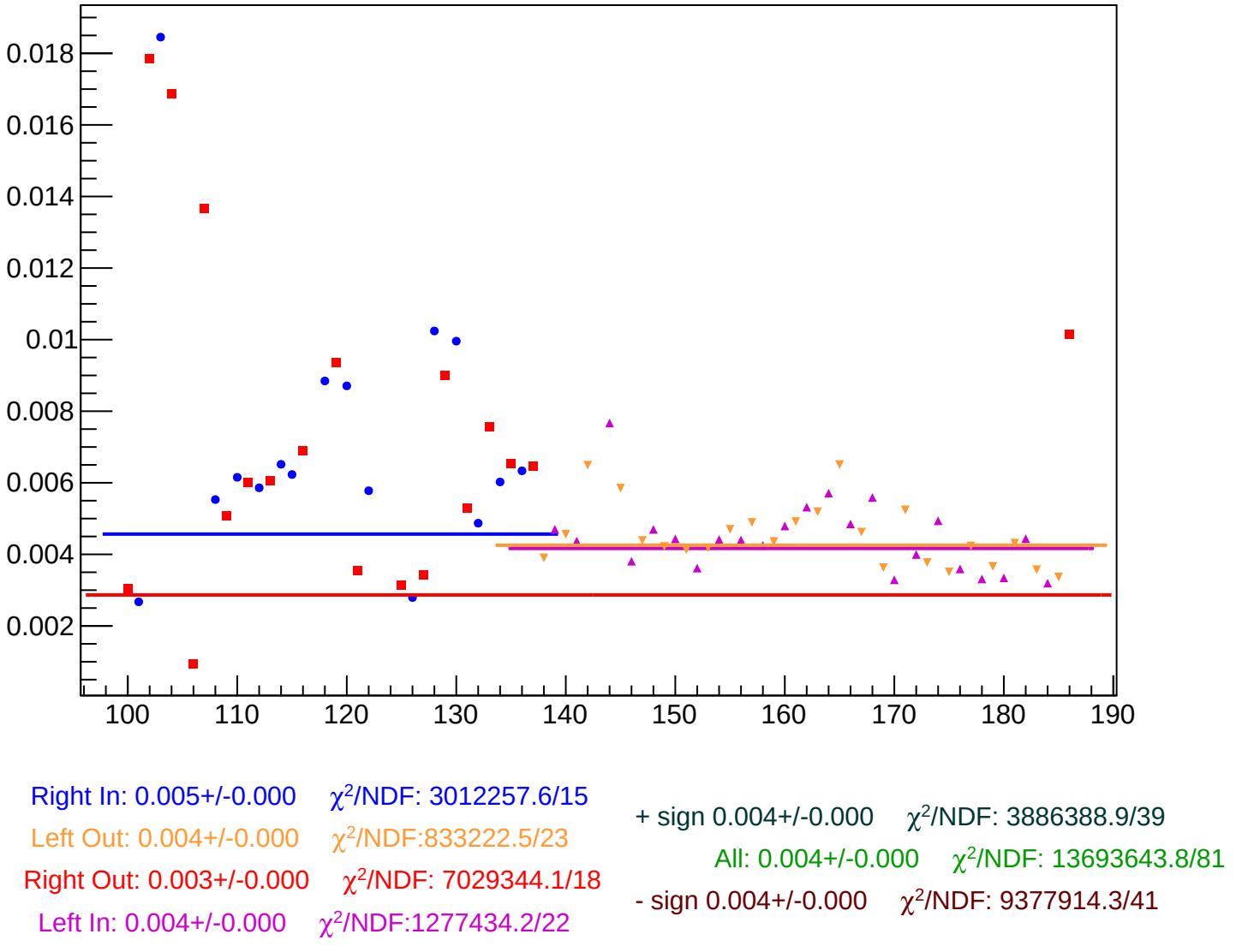

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.021+/-0.048 χ²/NDF: 15.6/15
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.072+/-0.046 χ²/NDF: 20.0/18
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign -0.010+/-0.022 χ²/NDF: 43.4/39
All: 0.021+/-0.016 χ²/NDF: 97.6/81
- sign 0.050+/-0.022 χ²/NDF: 50.5/41

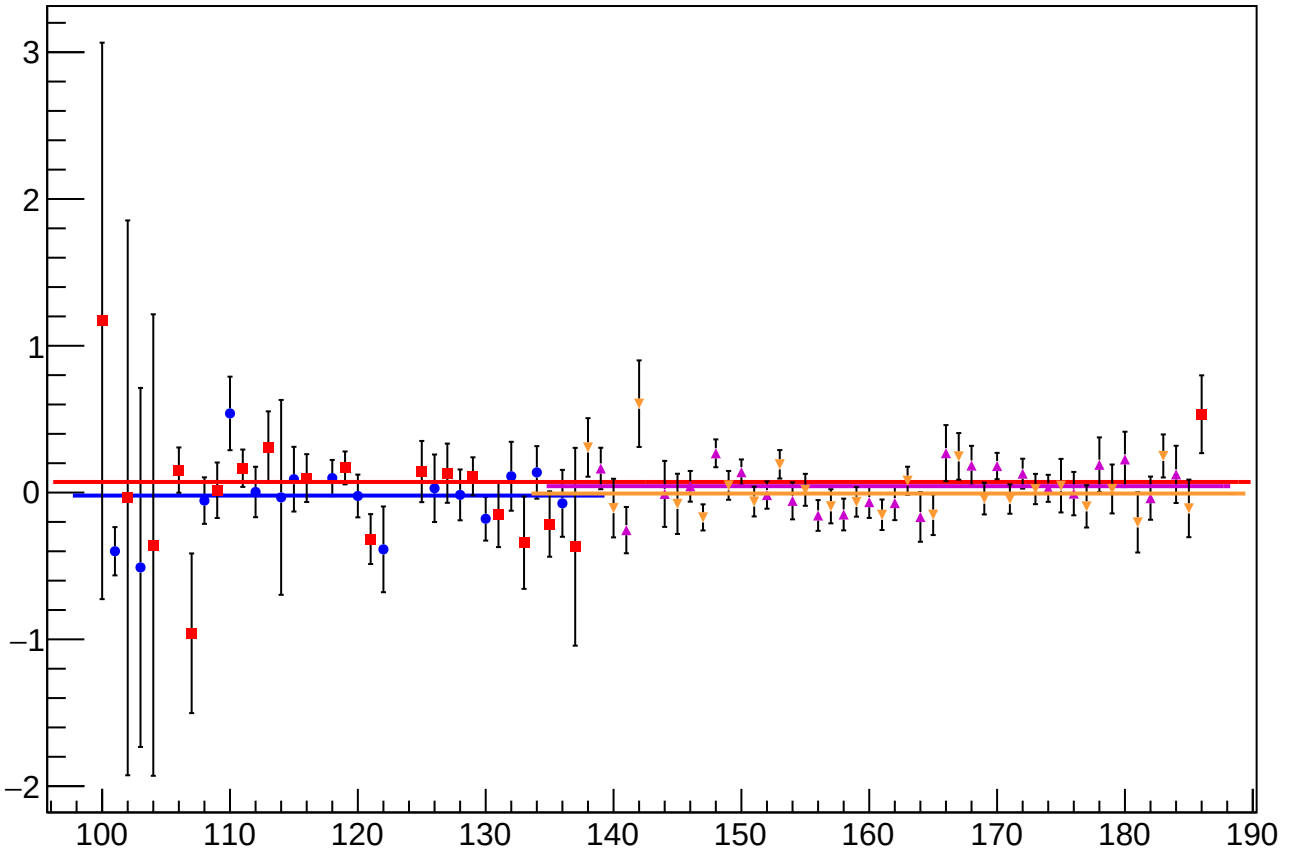

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 99.590+/-0.018 χ²/NDF:2070986.6/23
Right Out: 104.544+/-0.032 χ²/NDF: 2936134.2/18
Left In: 98.669+/-0.018 χ²/NDF:2003365.1/22
+ sign 102.194+/-0.016 χ²/NDF: 4006333.5/39
All: 101.092+/-0.011 χ²/NDF: 8980788.3/81
- sign 100.027+/-0.016 χ²/NDF: 4964901.2/41


asym_us_avg_at1lr_avg_avg_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: -0.021+/-0.048 χ²/NDF: 15.6/15
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: 43.4/39
All: 0.021+/-0.016 χ²/NDF: 97.6/81
- sign 0.050+/-0.022 χ²/NDF: 50.5/41


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 99.590+/-0.018 χ²/NDF:2070986.6/23
Right Out: 104.544+/-0.032 χ²/NDF: 2936134.2/18
Left In: 98.669+/-0.018 χ²/NDF:2003365.1/22
+ sign 102.194+/-0.016 χ²/NDF: 4006333.5/39
All: 101.092+/-0.011 χ²/NDF: 8980788.3/81
- sign 100.027+/-0.016 χ²/NDF: 4964901.2/41


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:40.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 17.2/18
Left In: -0.000+/-0.000 χ²/NDF:15.9/22
+ sign -0.000+/-0.000 χ²/NDF: 60.3/39
All: -0.000+/-0.000 χ²/NDF: 98.1/81
- sign 0.000+/-0.000 χ²/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: 3012257.6/15
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: 3886388.9/39
All: 0.004+/-0.000 χ²/NDF: 13693643.8/81
- sign 0.004+/-0.000 χ²/NDF: 9377914.3/41



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

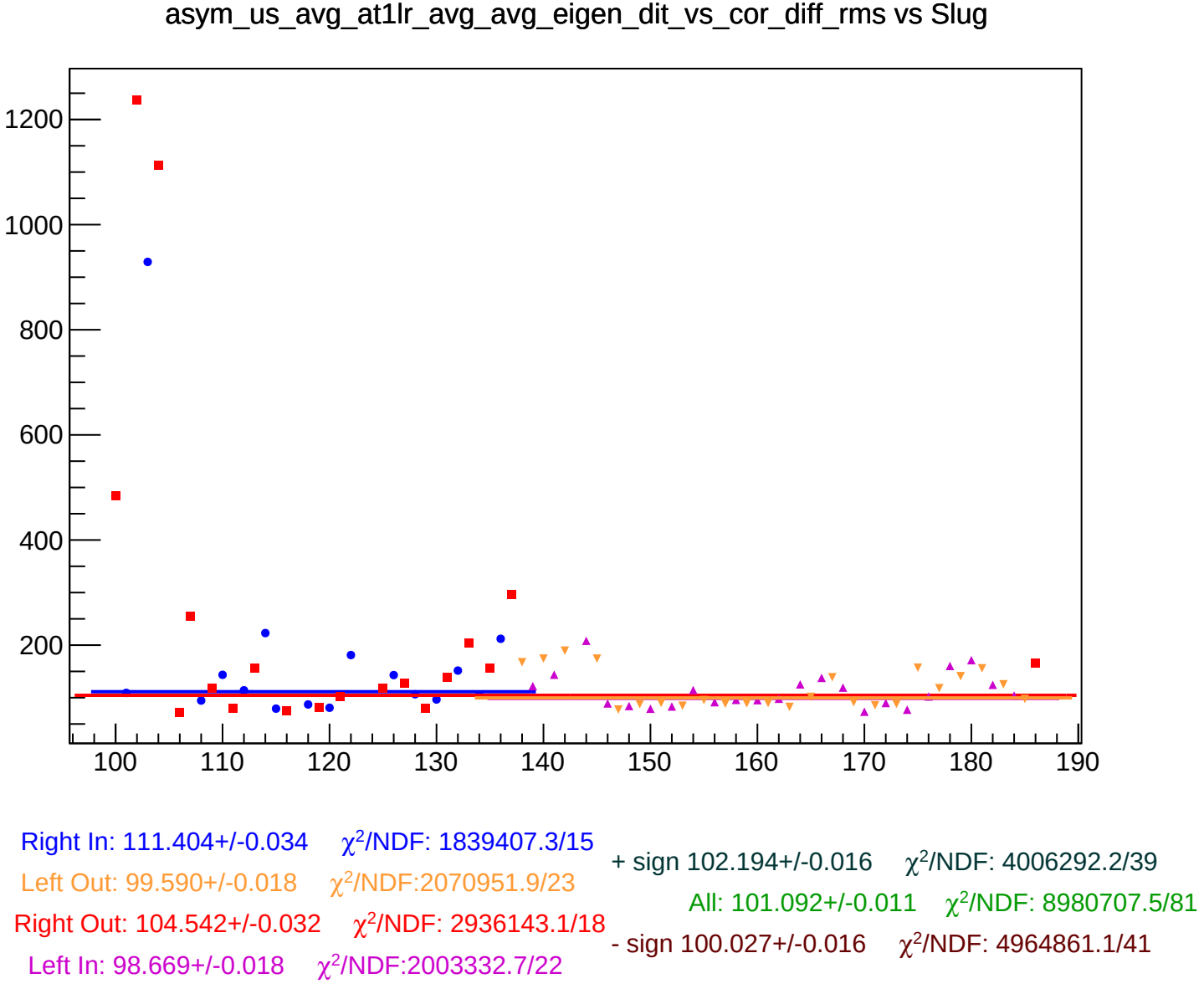
Right Out: 0.072+/-0.046 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

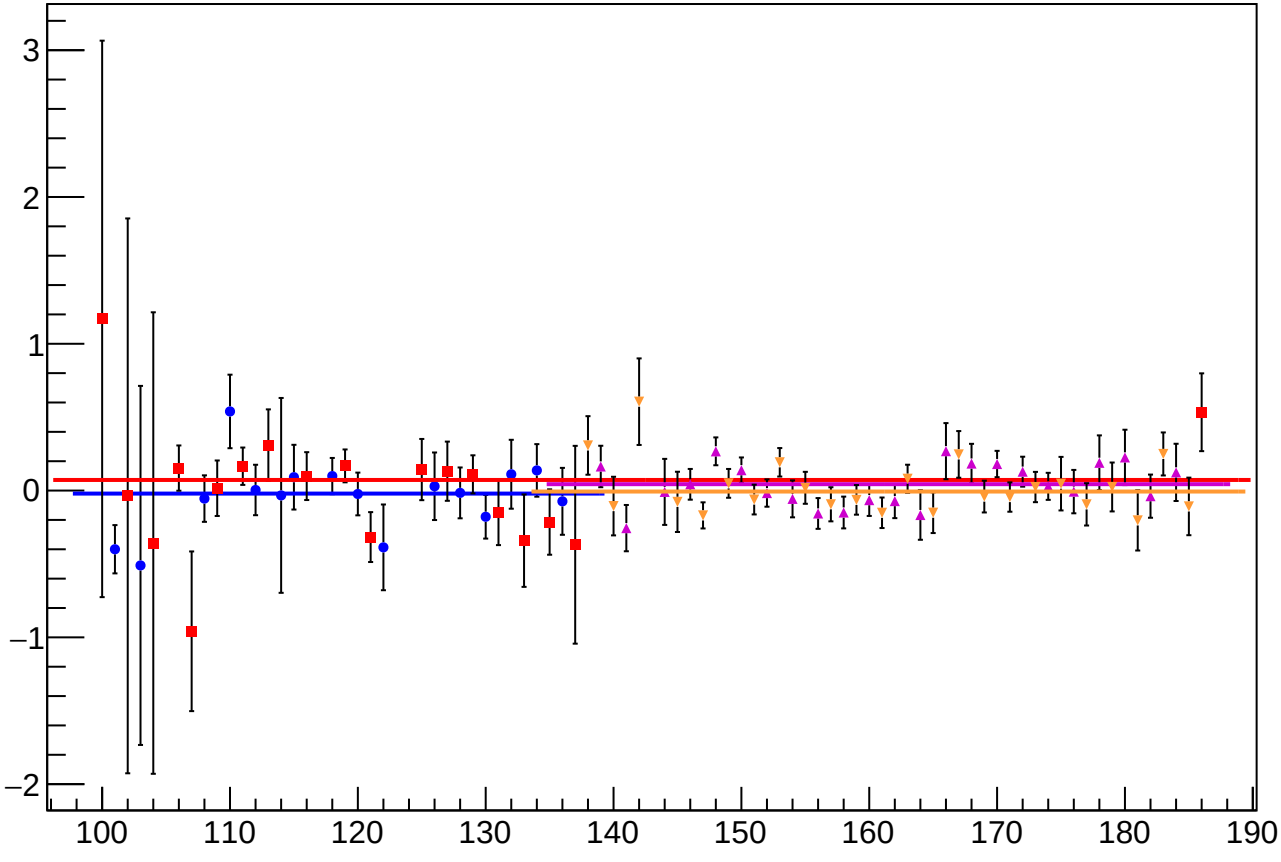
+ sign -0.010+/-0.022 χ^2/NDF: 43.4/39

All: 0.021+/-0.016 χ^2/NDF: 97.6/81

- sign 0.050+/-0.022 χ^2/NDF: 50.5/41


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 99.590+/-0.018 χ²/NDF:2070951.9/23
Right Out: 104.542+/-0.032 χ²/NDF: 2936143.1/18
Left In: 98.669+/-0.018 χ²/NDF:2003332.7/22
+ sign 102.194+/-0.016 χ²/NDF: 4006292.2/39
All: 101.092+/-0.011 χ²/NDF: 8980707.5/81
- sign 100.027+/-0.016 χ²/NDF: 4964861.1/41

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

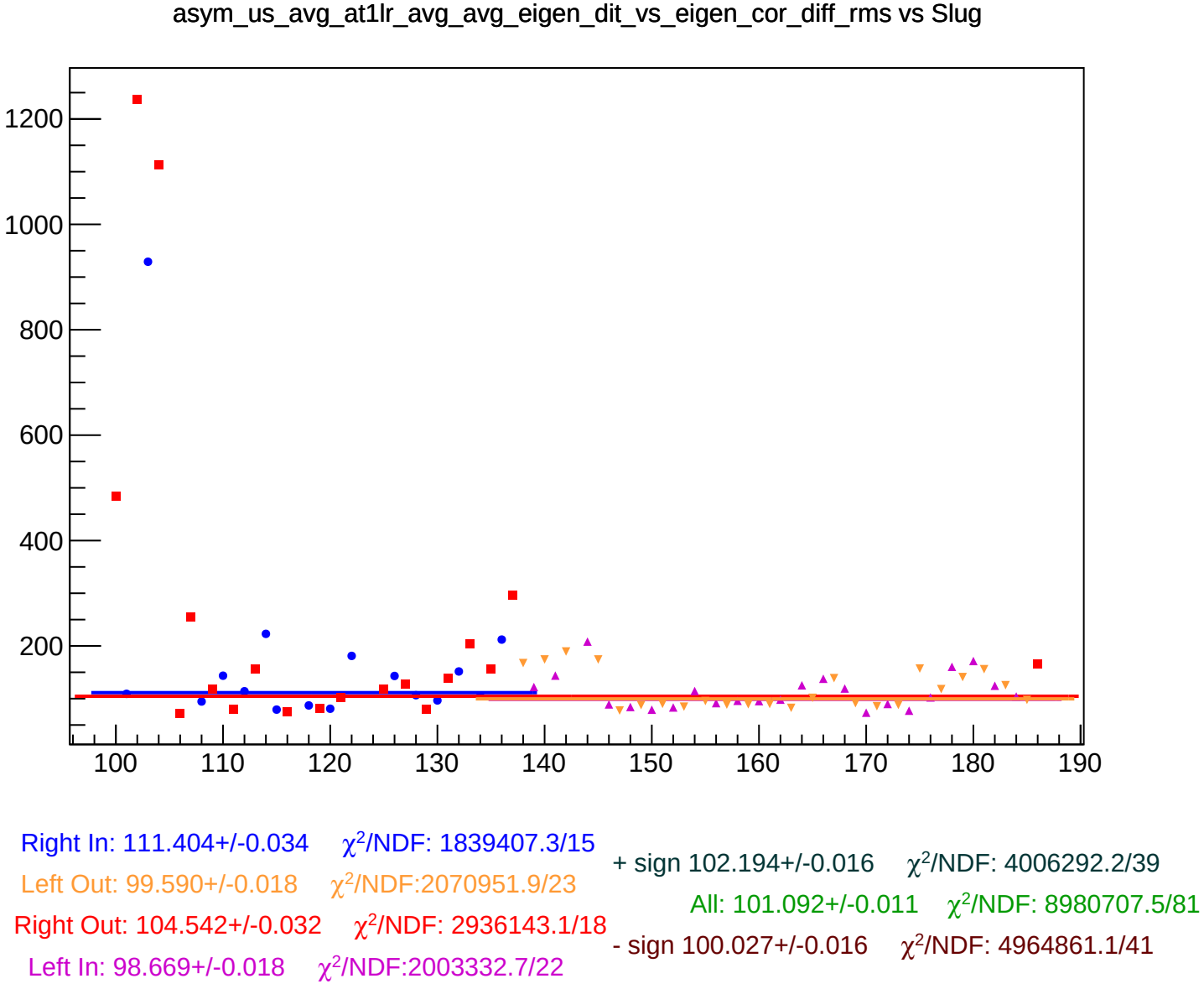
Right Out: 0.072+/-0.046 χ^2/NDF: 20.0/18

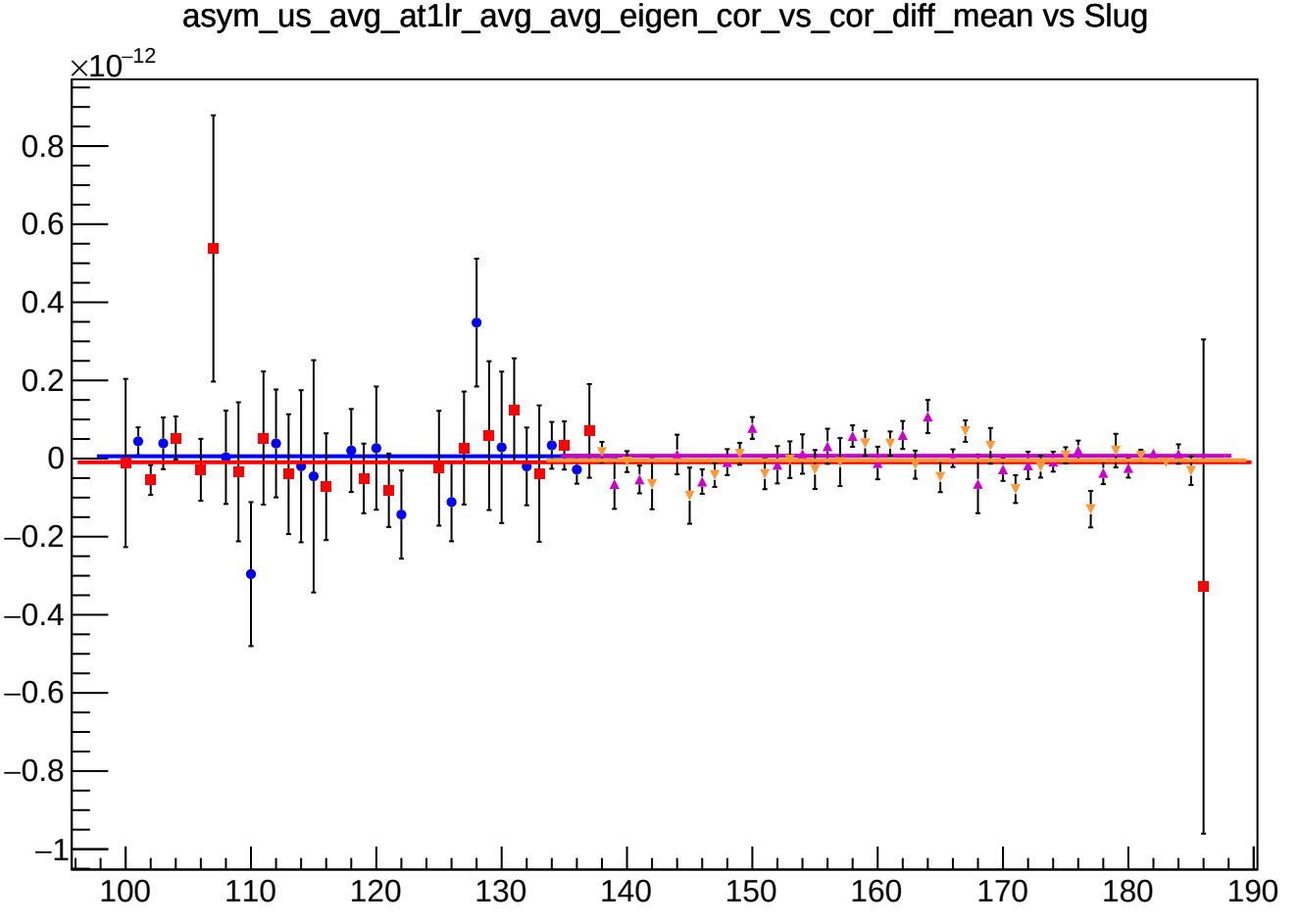
Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.010+/-0.022 χ^2/NDF: 43.4/39

All: 0.021+/-0.016 χ^2/NDF: 97.6/81

- sign 0.050+/-0.022 χ^2/NDF: 50.5/41


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 99.590+/-0.018 χ²/NDF:2070951.9/23
Right Out: 104.542+/-0.032 χ²/NDF: 2936143.1/18
Left In: 98.669+/-0.018 χ²/NDF:2003332.7/22
+ sign 102.194+/-0.016 χ²/NDF: 4006292.2/39
All: 101.092+/-0.011 χ²/NDF: 8980707.5/81
- sign 100.027+/-0.016 χ²/NDF: 4964861.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

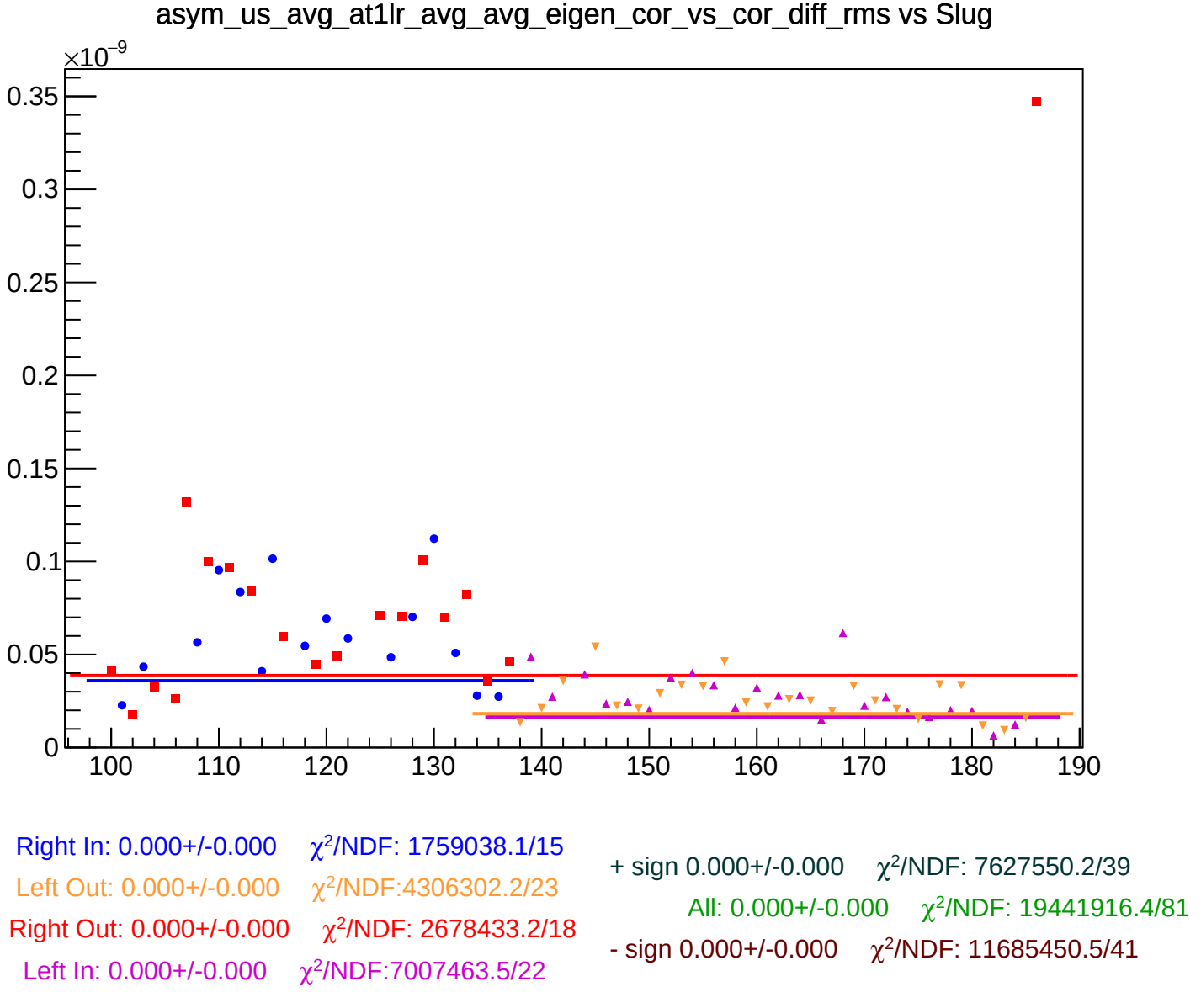
Right Out: -0.000+/-0.000 χ^2/NDF: 8.9/18

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

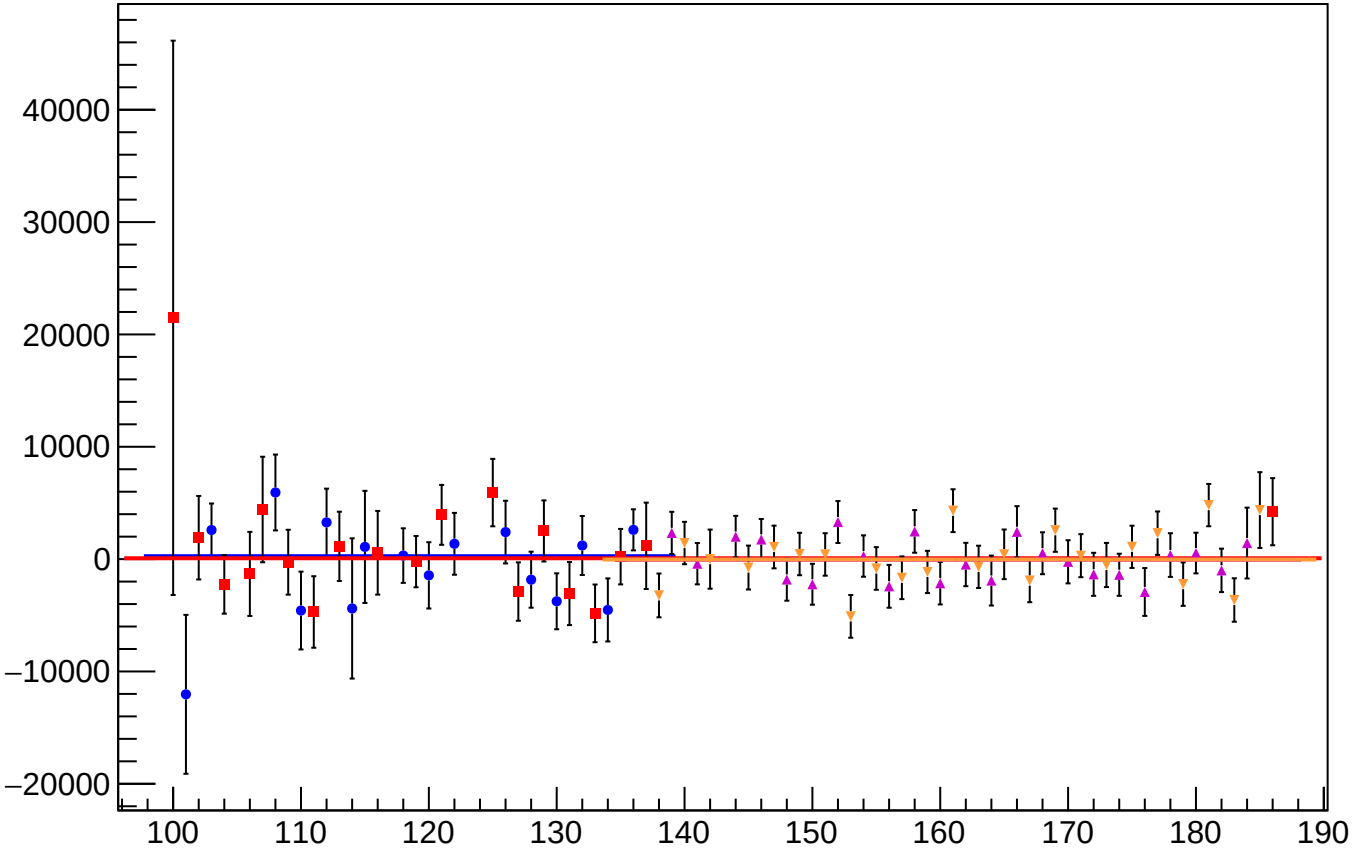
+ sign -0.000+/-0.000 χ^2/NDF: 46.1/39

All: 0.000+/-0.000 χ^2/NDF: 92.4/81

- 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: 1759038.1/15
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: 7627550.2/39
All: 0.000+/-0.000 χ²/NDF: 19441916.4/81
- sign 0.000+/-0.000 χ²/NDF: 11685450.5/41

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 76.102+/-692.907 χ^2/NDF: 20.1/18

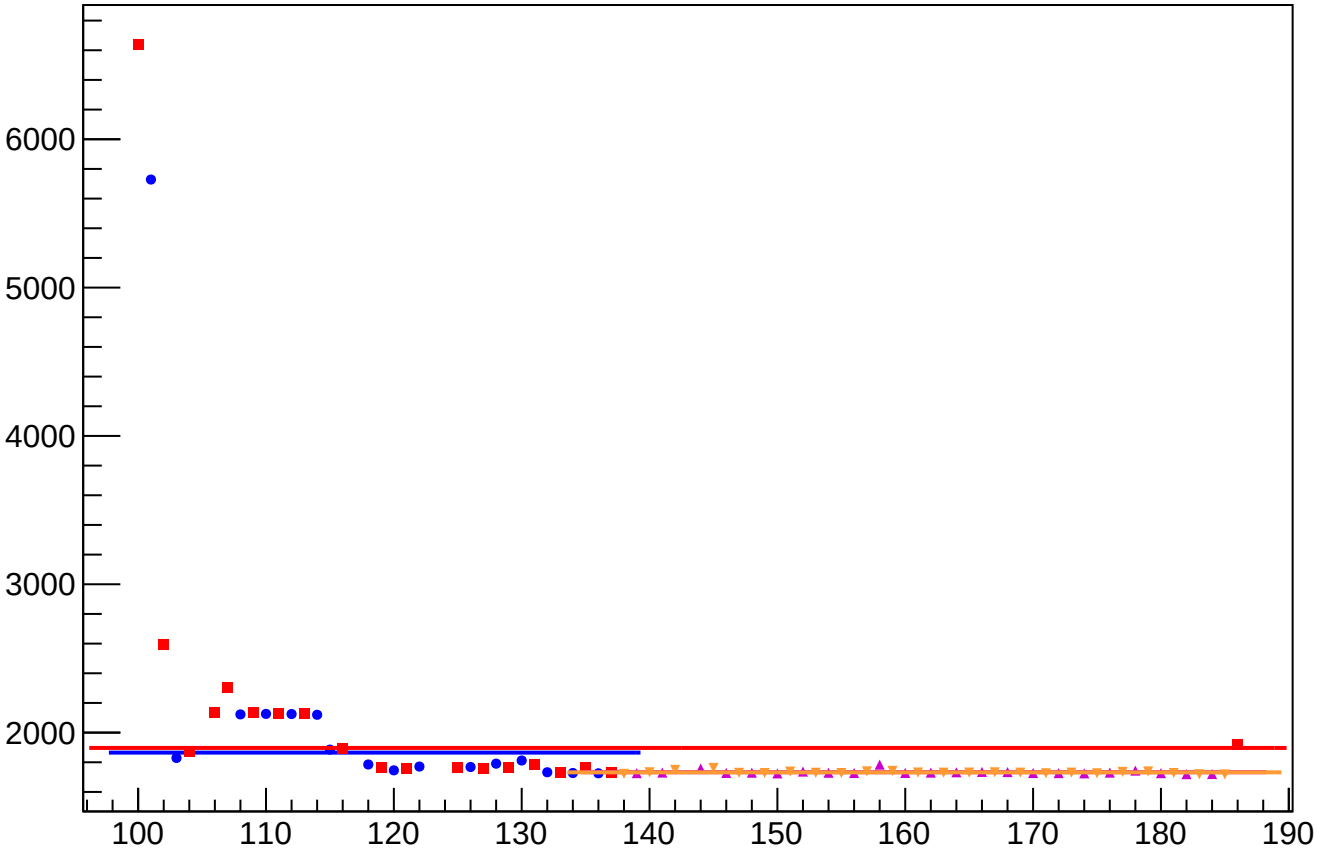
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 36.682+/-349.764 χ^2/NDF: 54.9/39

All: 8.312+/-247.214 χ^2/NDF: 94.5/81

- sign -20.010+/-349.462 χ^2/NDF: 39.5/41

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

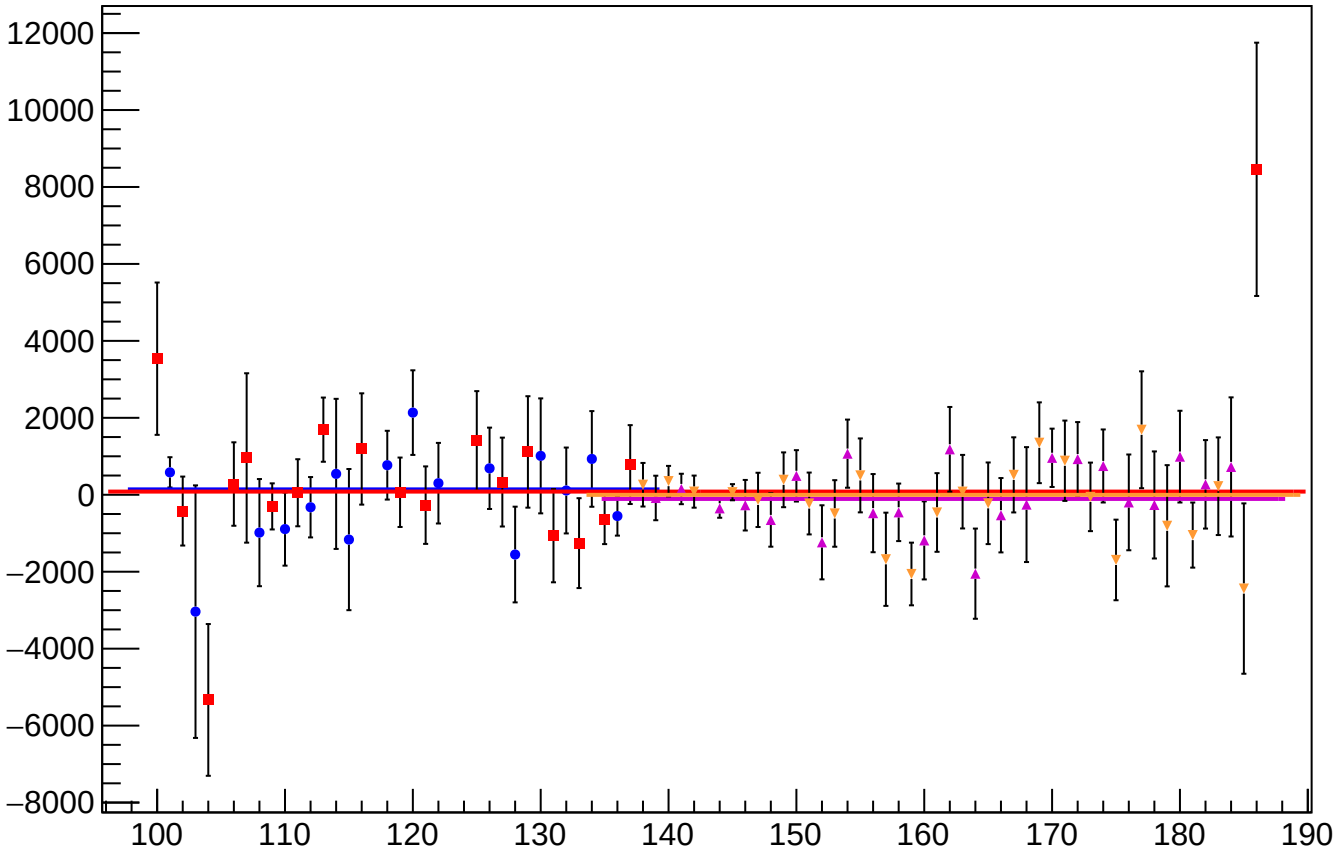
Right Out: 1896.724+/-0.490 χ^2/NDF: 250965.9/18

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1764.334+/-0.247 χ^2/NDF: 726989.8/39

All: 1769.612+/-0.175 χ^2/NDF: 1064035.1/81

- sign 1774.880+/-0.247 χ^2/NDF: 336135.3/41



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

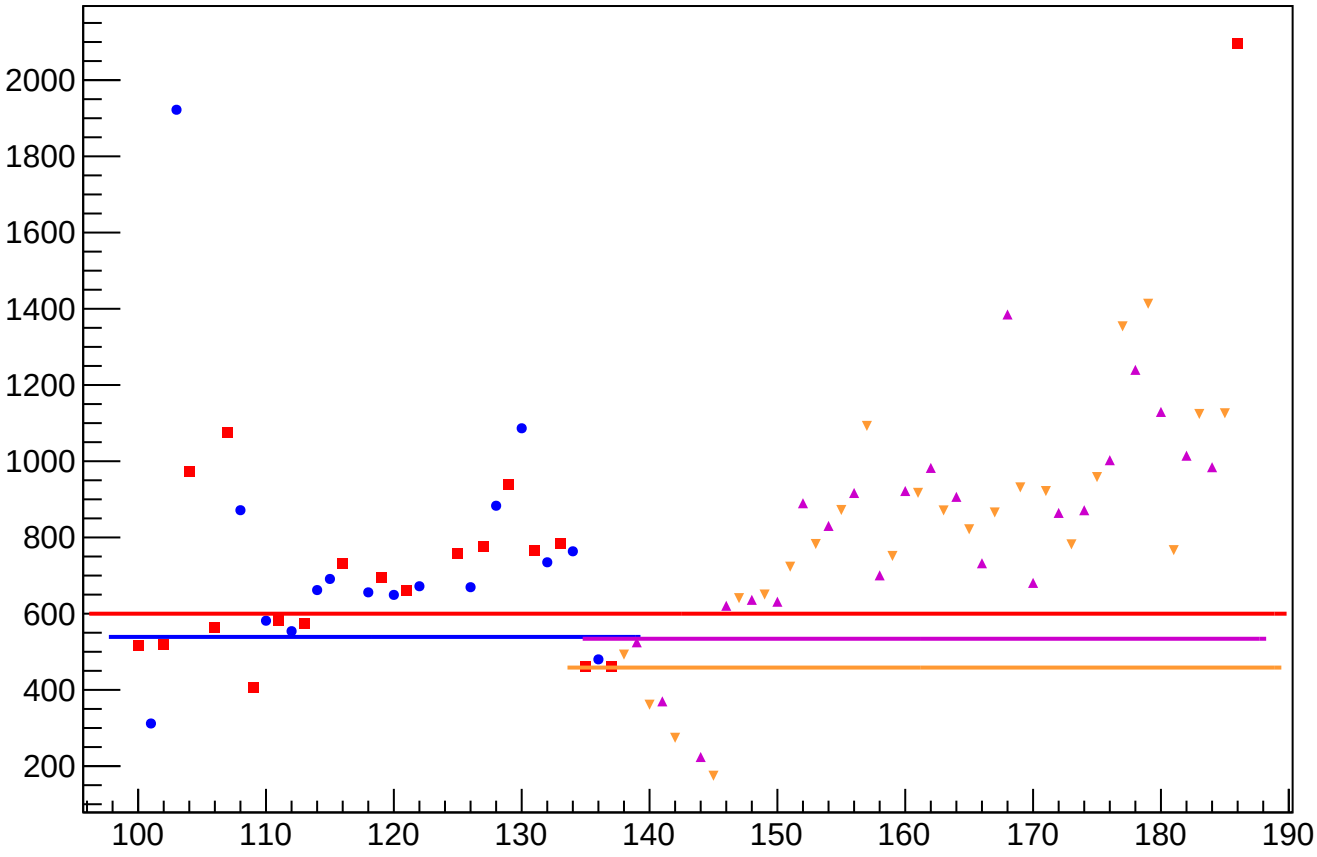
Right Out: 82.508+/-237.632 χ^2/NDF: 27.9/18

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 34.394+/-111.967 χ^2/NDF: 34.0/39

All: -7.337+/-82.714 χ^2/NDF: 79.7/81

- sign -57.472+/-122.723 χ^2/NDF: 45.4/41



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 599.938+/-0.168 χ^2/NDF: 1258288.4/18

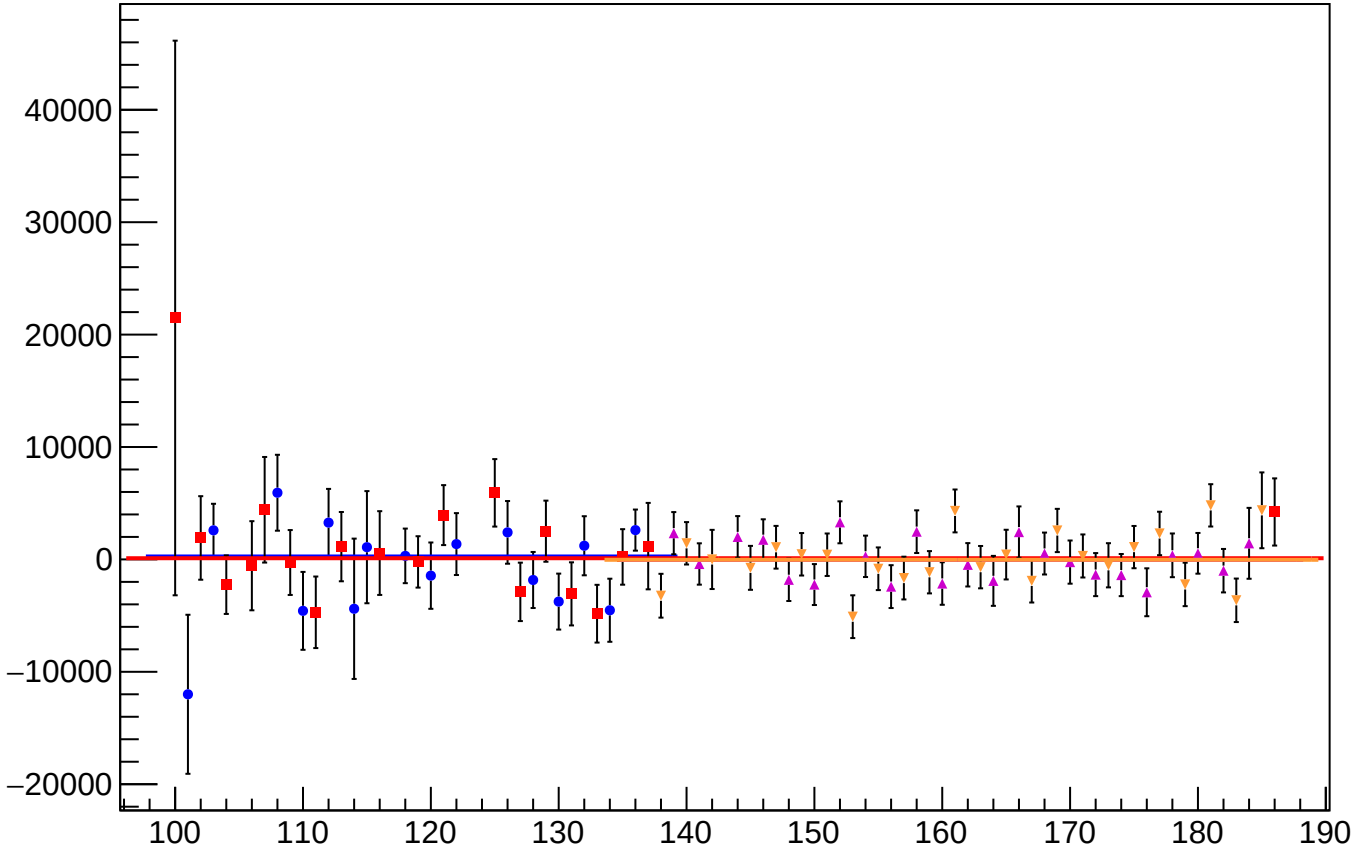
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

\+ sign 479.395+/-0.079 χ^2/NDF: 13479302.8/39

All: 512.242+/-0.058 χ^2/NDF: 23672174.6/81

\- sign 551.704+/-0.087 χ^2/NDF: 9813949.3/41

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 104.674+/-694.205 χ^2/NDF: 20.0/18

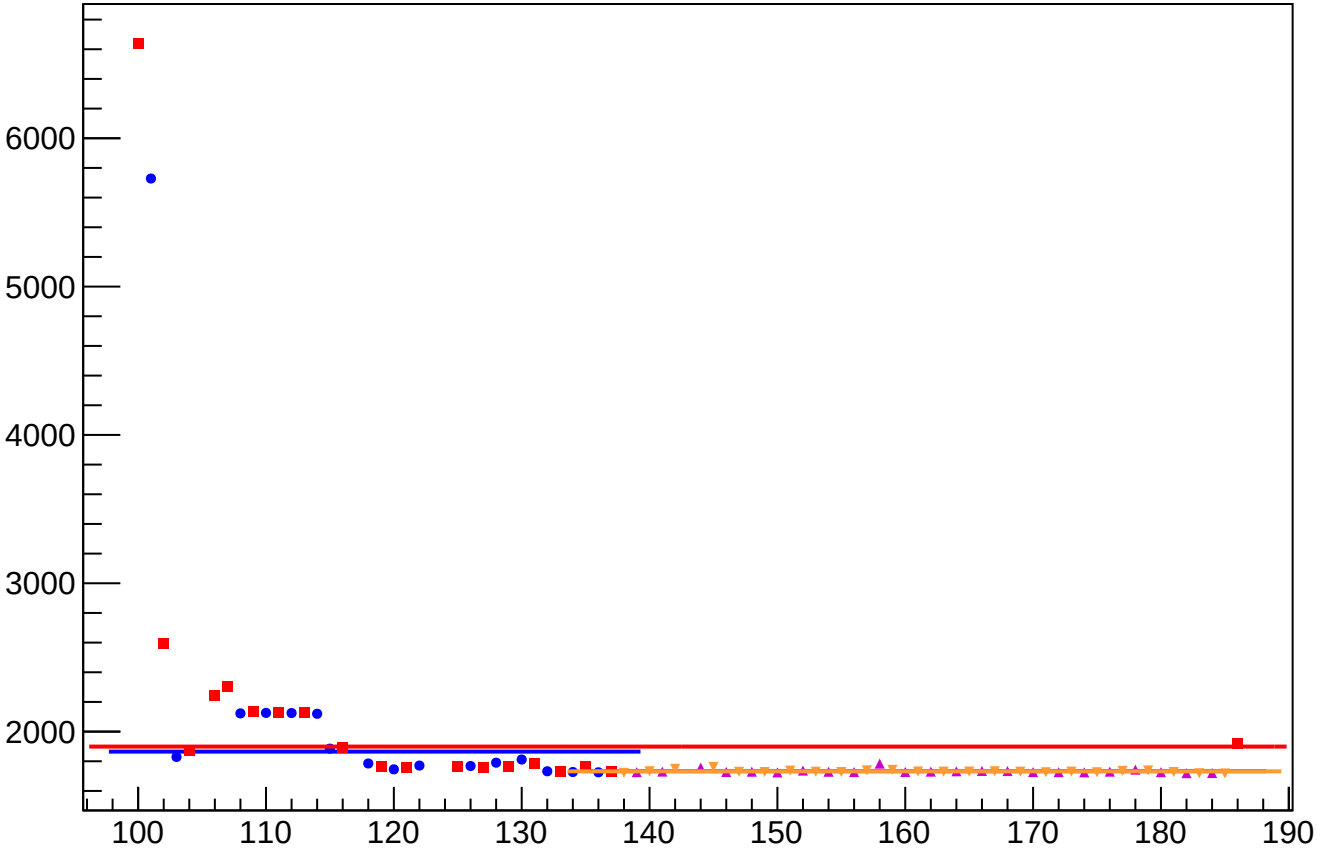
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 36.771+/-349.764 χ^2/NDF: 54.9/39

All: 11.980+/-247.273 χ^2/NDF: 94.4/81

- sign -12.792+/-349.628 χ^2/NDF: 39.4/41

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

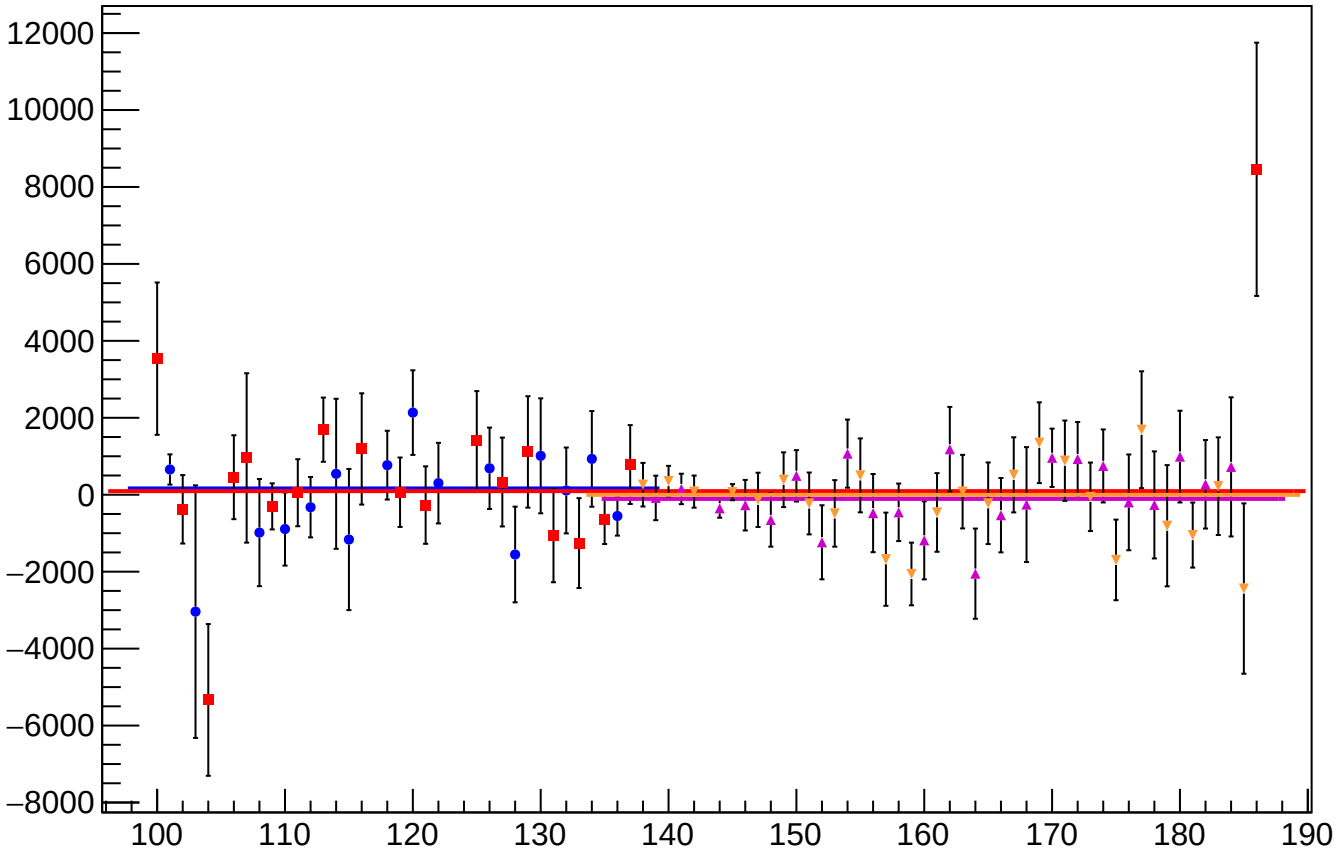
Right Out: 1899.048+/-0.491 χ^2/NDF: 257867.1/18

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1764.334+/-0.247 χ^2/NDF: 726989.6/39

All: 1769.846+/-0.175 χ^2/NDF: 1073157.2/81

- sign 1775.354+/-0.247 χ^2/NDF: 345174.6/41



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

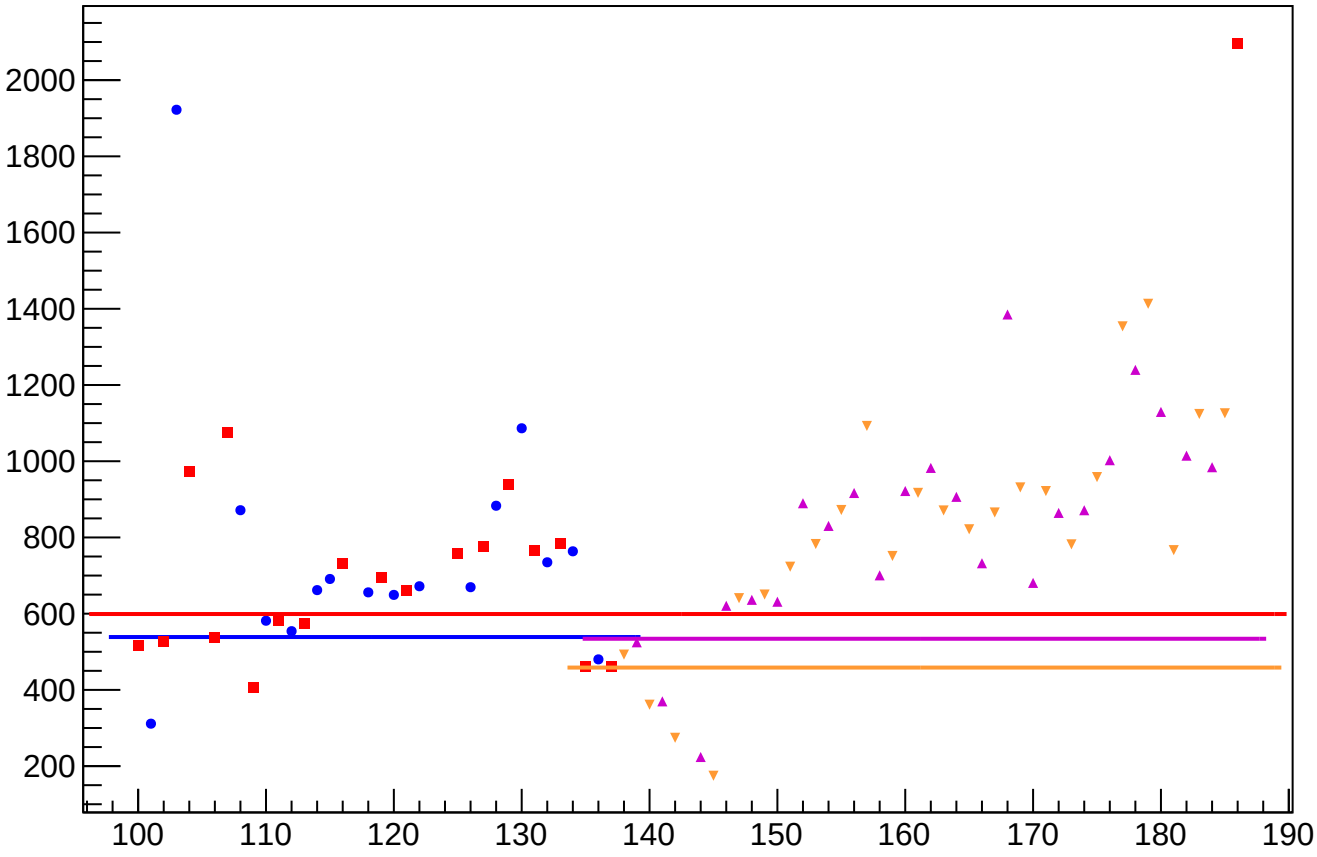
Right Out: 93.419+/-237.577 χ^2/NDF: 27.9/18

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 40.369+/-111.958 χ^2/NDF: 34.6/39

All: -2.736+/-82.709 χ^2/NDF: 80.4/81

- sign -54.523+/-122.716 χ^2/NDF: 45.5/41



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

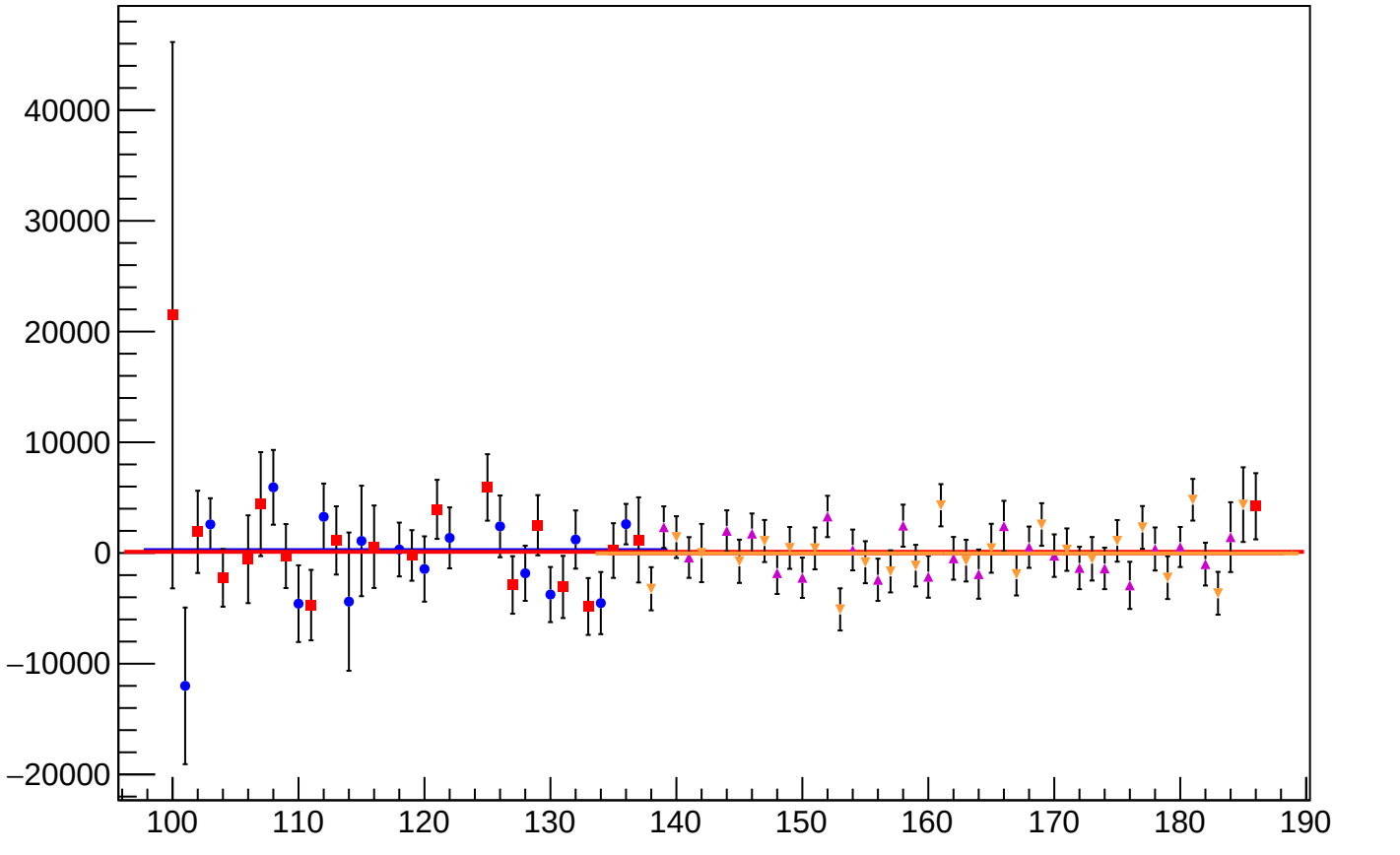
Right Out: 599.079+/-0.168 χ^2/NDF: 1260233.1/18

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 479.333+/-0.079 χ^2/NDF: 13481715.7/39

All: 512.109+/-0.058 χ^2/NDF: 23671575.4/81

- sign 551.487+/-0.087 χ^2/NDF: 9812509.4/41



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 104.674+/-694.205 χ^2/NDF: 20.0/18

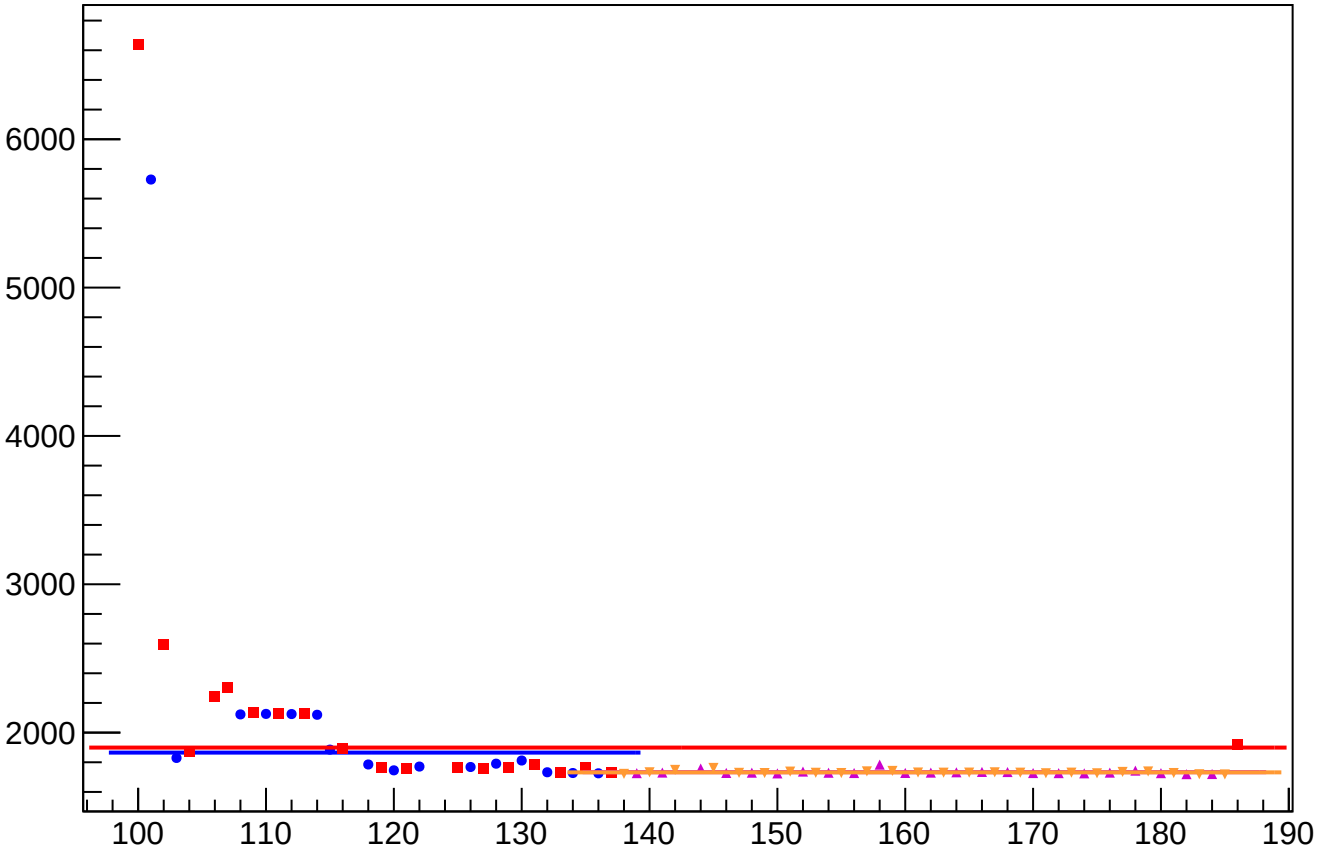
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 36.771+/-349.764 χ^2/NDF: 54.9/39

All: 11.980+/-247.273 χ^2/NDF: 94.4/81

- sign -12.792+/-349.628 χ^2/NDF: 39.4/41

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

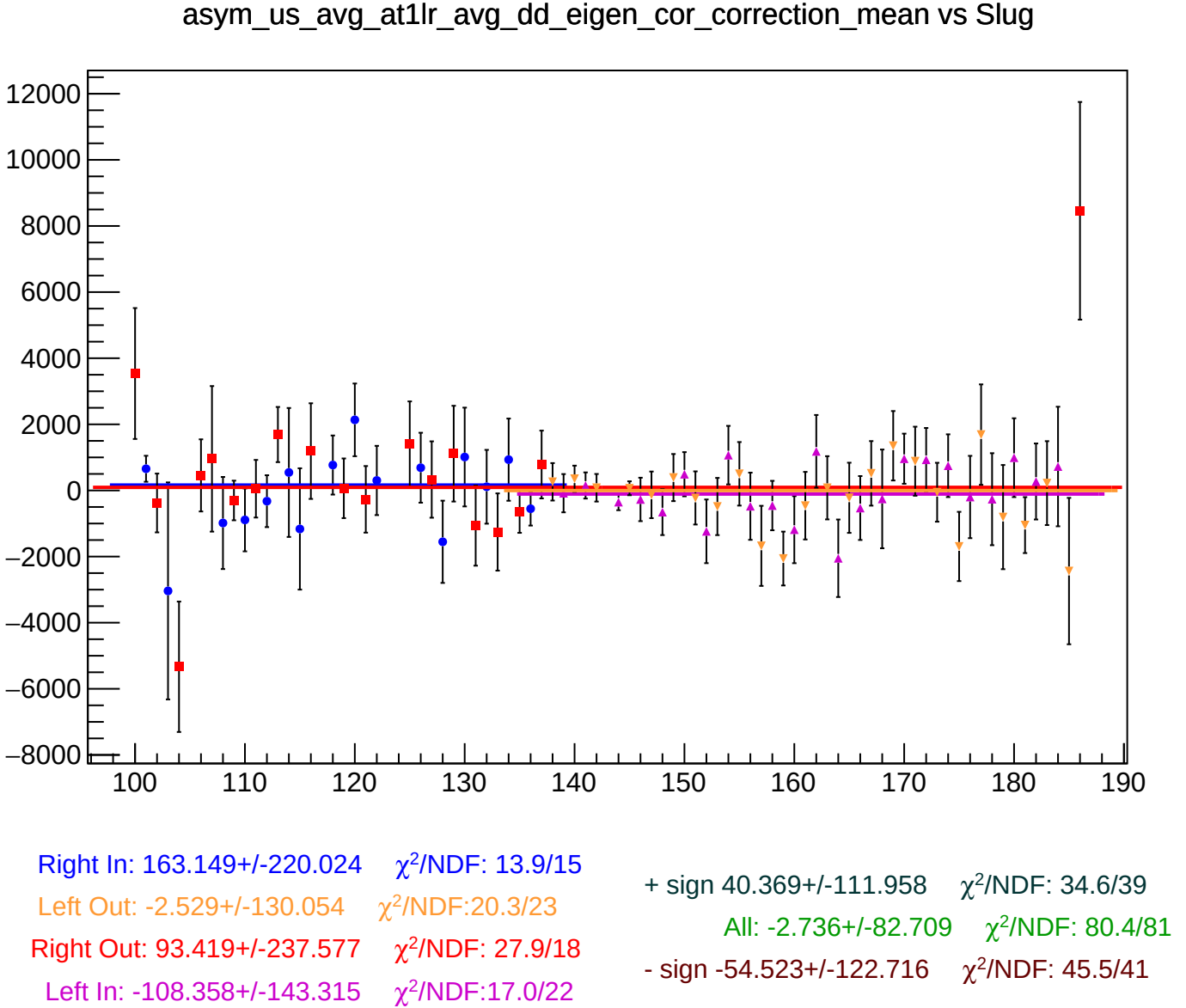
Right Out: 1899.048+/-0.491 χ^2/NDF: 257867.1/18

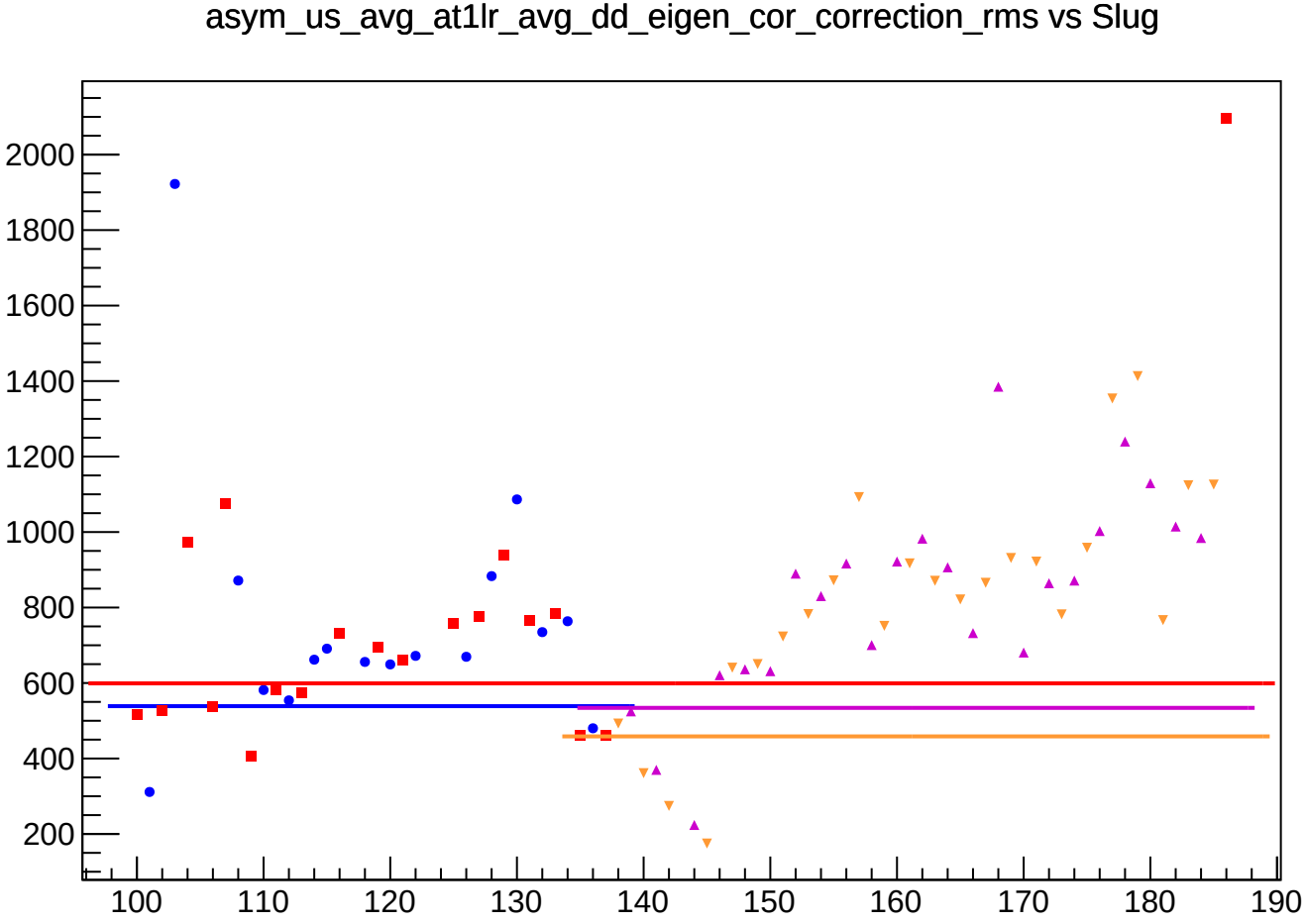
Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1764.334+/-0.247 χ^2/NDF: 726989.6/39

All: 1769.846+/-0.175 χ^2/NDF: 1073157.2/81

- sign 1775.354+/-0.247 χ^2/NDF: 345174.6/41


asym_us_avg_at1lr_avg_dd_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: 163.149+/-220.024 χ²/NDF: 13.9/15
Left Out: -2.529+/-130.054 χ²/NDF:20.3/23
Right Out: 93.419+/-237.577 χ²/NDF: 27.9/18
Left In: -108.358+/-143.315 χ²/NDF:17.0/22
+ sign 40.369+/-111.958 χ²/NDF: 34.6/39
All: -2.736+/-82.709 χ²/NDF: 80.4/81
- sign -54.523+/-122.716 χ²/NDF: 45.5/41



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 599.079+/-0.168 χ^2/NDF: 1260233.1/18

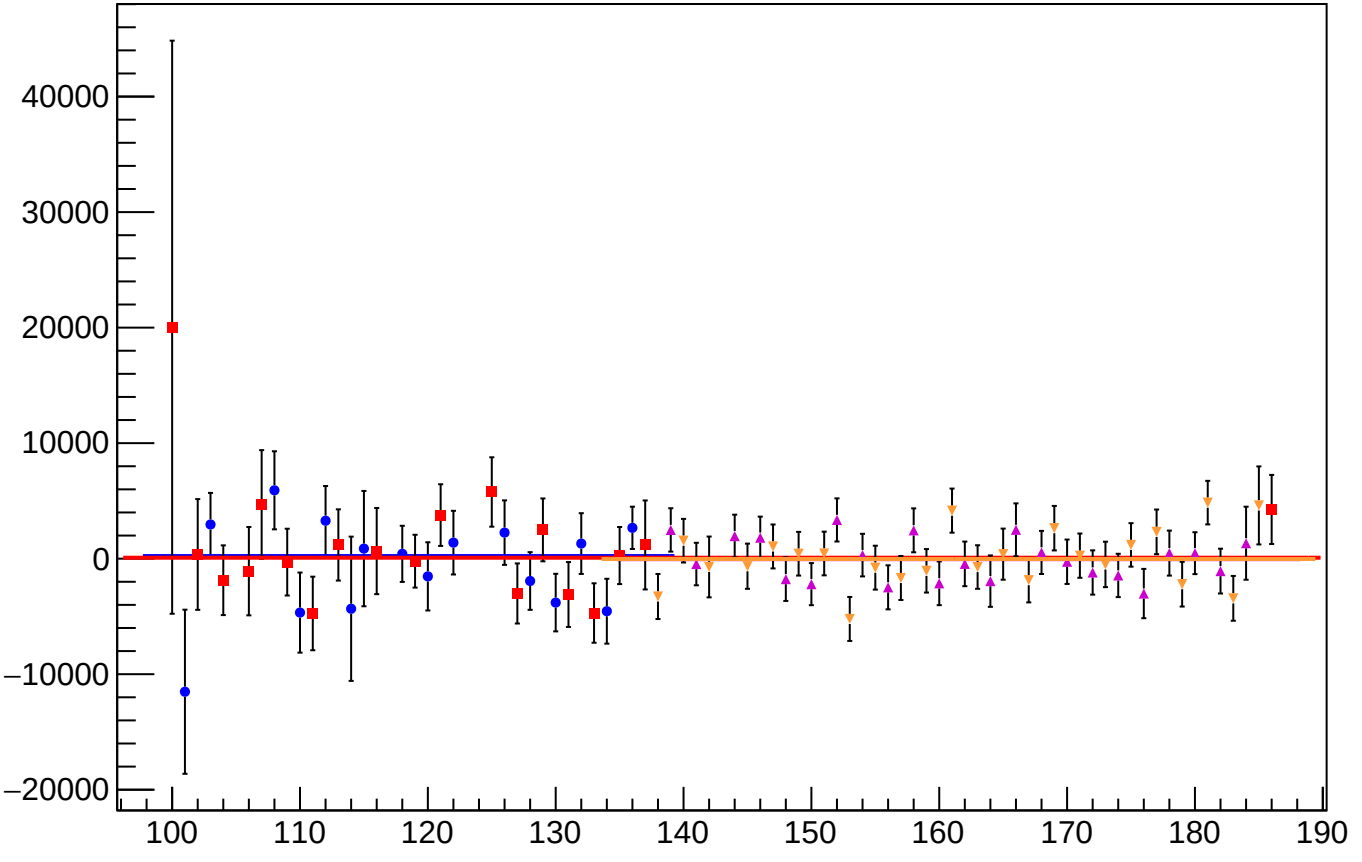
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 479.333+/-0.079 χ^2/NDF: 13481715.7/39

All: 512.109+/-0.058 χ^2/NDF: 23671575.4/81

- sign 551.487+/-0.087 χ^2/NDF: 9812509.4/41

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 82.218+/-705.331 χ^2/NDF: 19.1/18

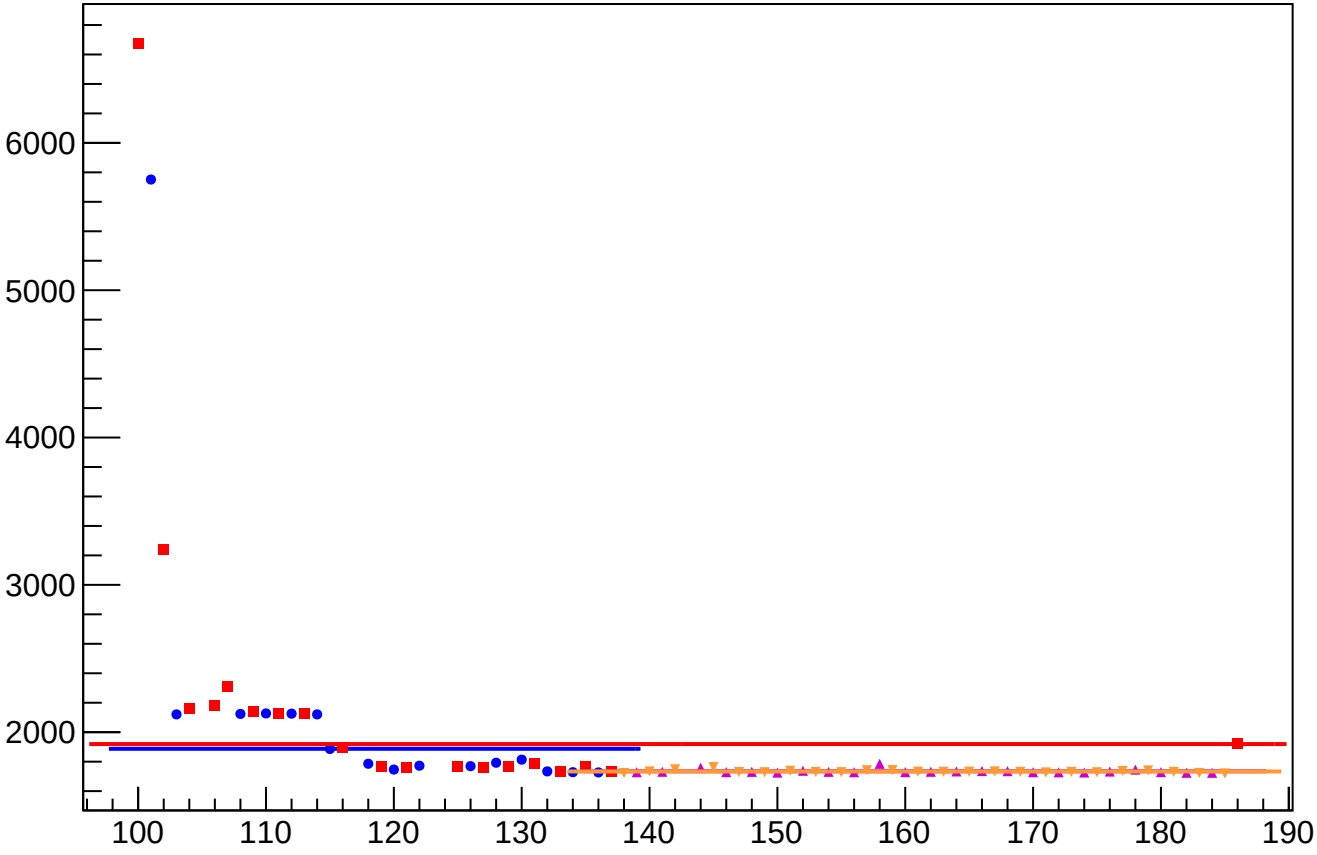
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 31.618+/-351.040 χ^2/NDF: 55.0/39

All: 10.050+/-248.298 χ^2/NDF: 93.9/81

- sign -11.543+/-351.252 χ^2/NDF: 39.0/41

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

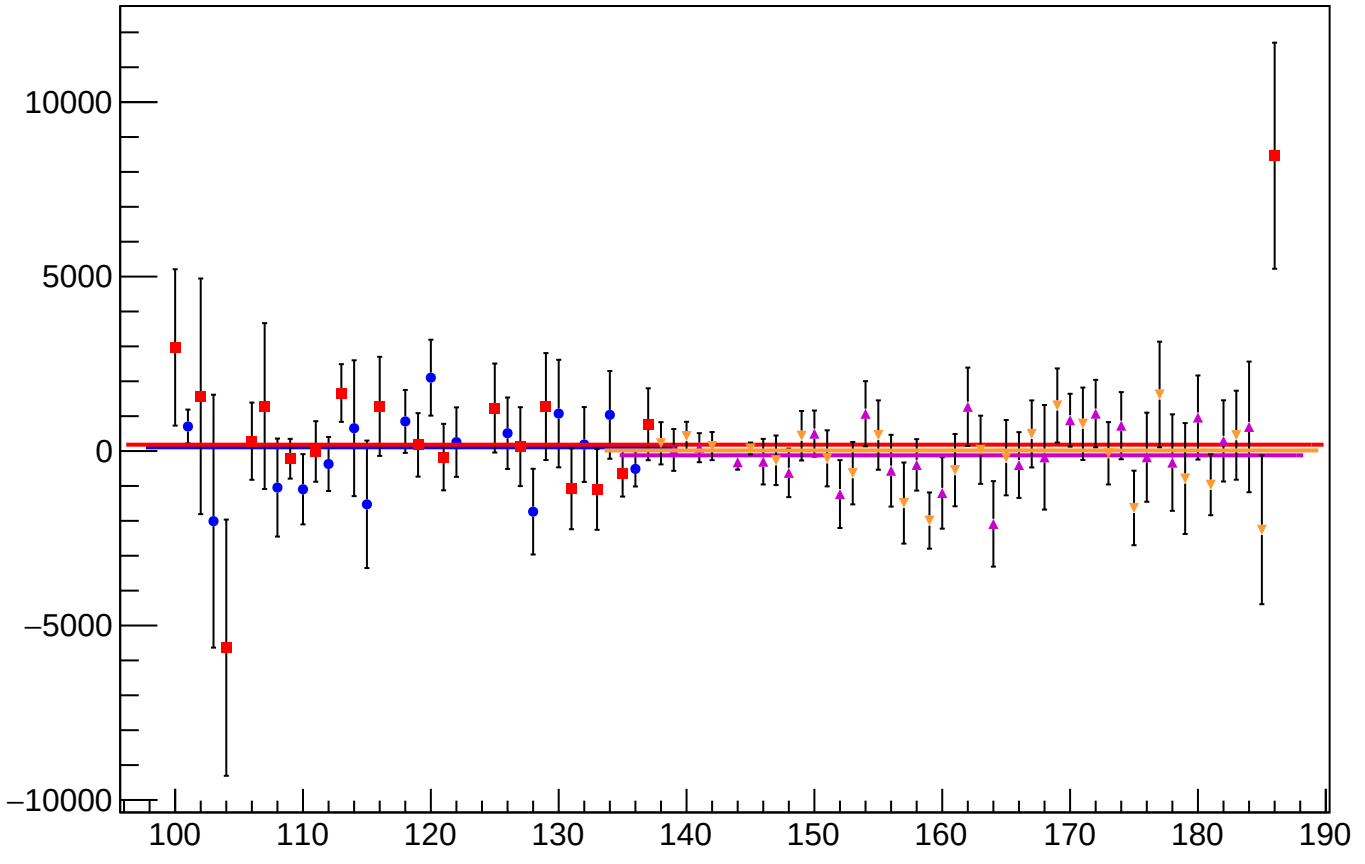
Right Out: 1919.444+/-0.499 χ^2/NDF: 352572.5/18

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1770.193+/-0.248 χ^2/NDF: 760131.1/39

All: 1775.393+/-0.176 χ^2/NDF: 1218817.2/81

- sign 1780.599+/-0.248 χ^2/NDF: 457807.9/41



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

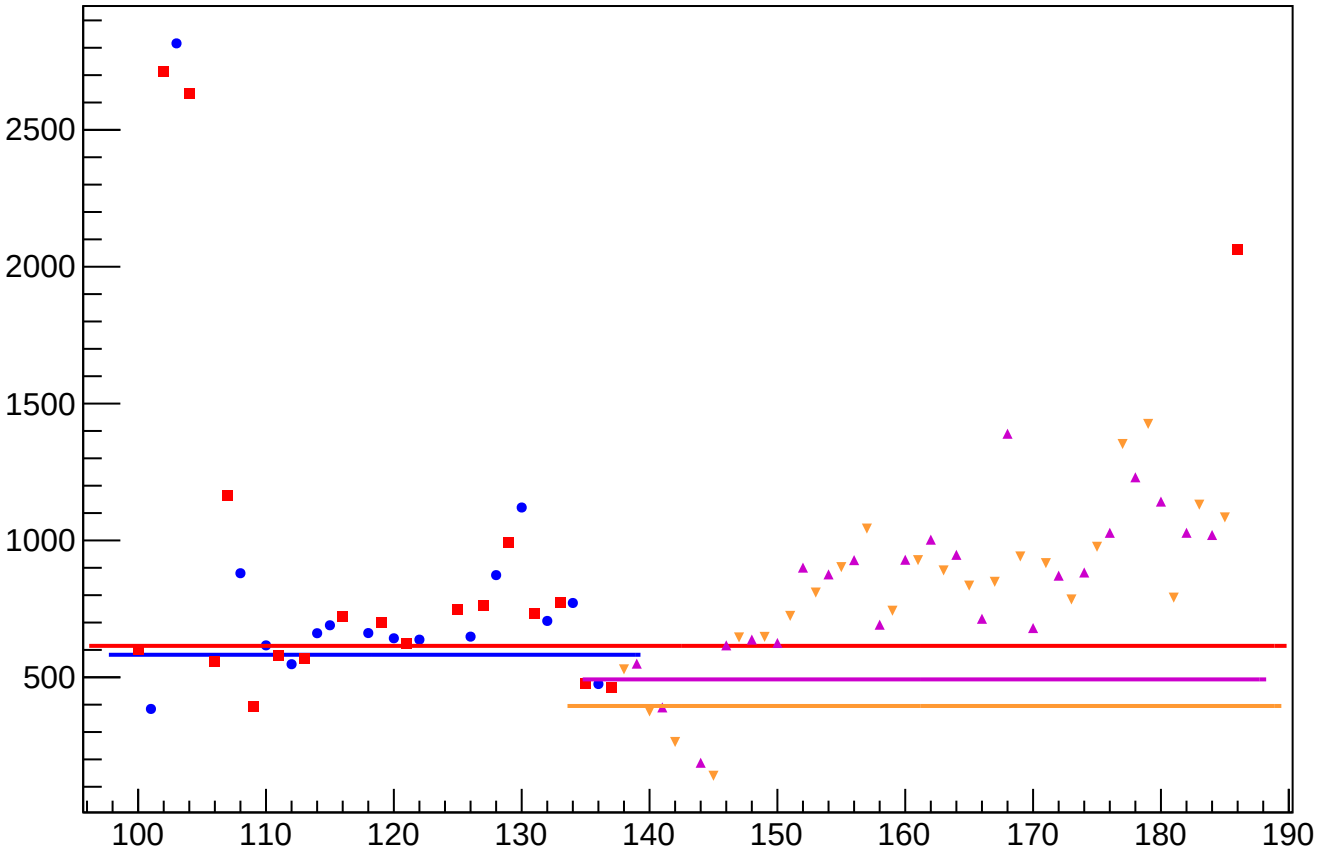
Right Out: 183.075+/-245.228 χ^2/NDF: 20.9/18

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 36.916+/-106.090 χ^2/NDF: 33.7/39

All: -0.920+/-79.395 χ^2/NDF: 72.6/81

- sign -49.088+/-119.701 χ^2/NDF: 38.6/41



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

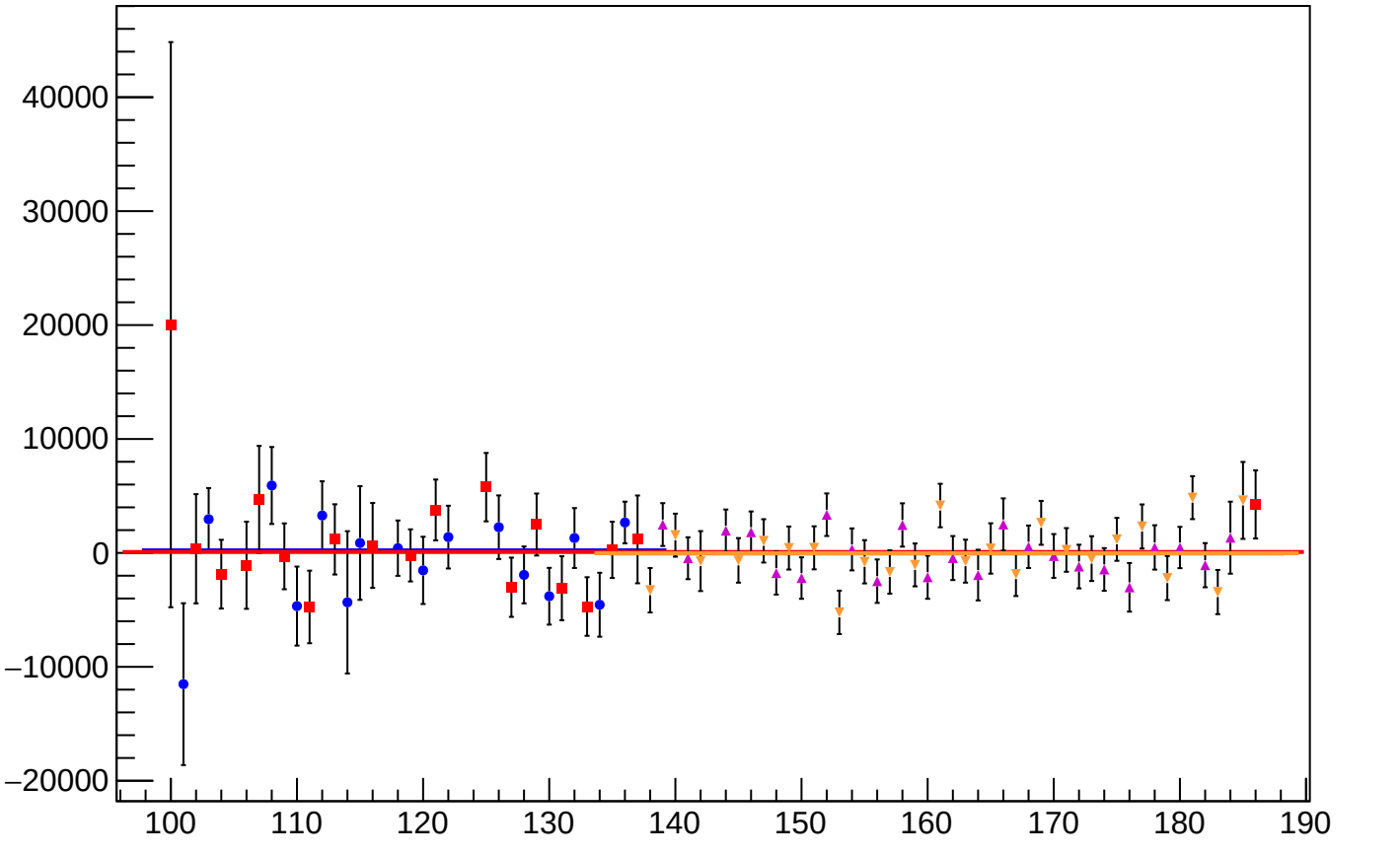
Right Out: 614.806+/-0.173 χ^2/NDF: 2601293.4/18

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 434.407+/-0.075 χ^2/NDF: 17119179.4/39

All: 472.715+/-0.056 χ^2/NDF: 31112968.3/81

- sign 521.484+/-0.085 χ^2/NDF: 13401023.4/41



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

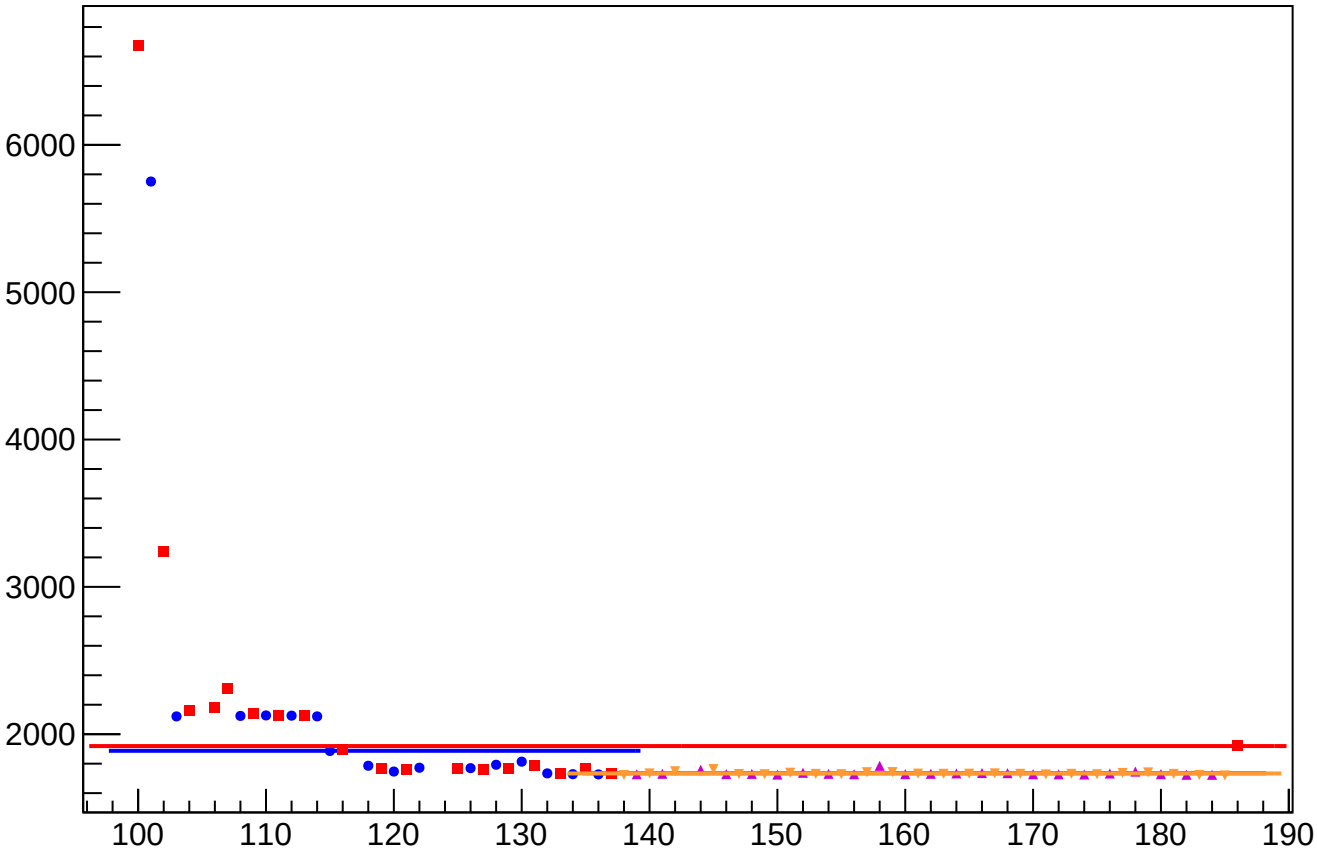
Right Out: 82.216+/-705.331 χ^2/NDF: 19.1/18

Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 31.616+/-351.040 χ^2/NDF: 55.0/39

All: 10.049+/-248.298 χ^2/NDF: 93.9/81

- sign -11.544+/-351.252 χ^2/NDF: 39.0/41



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

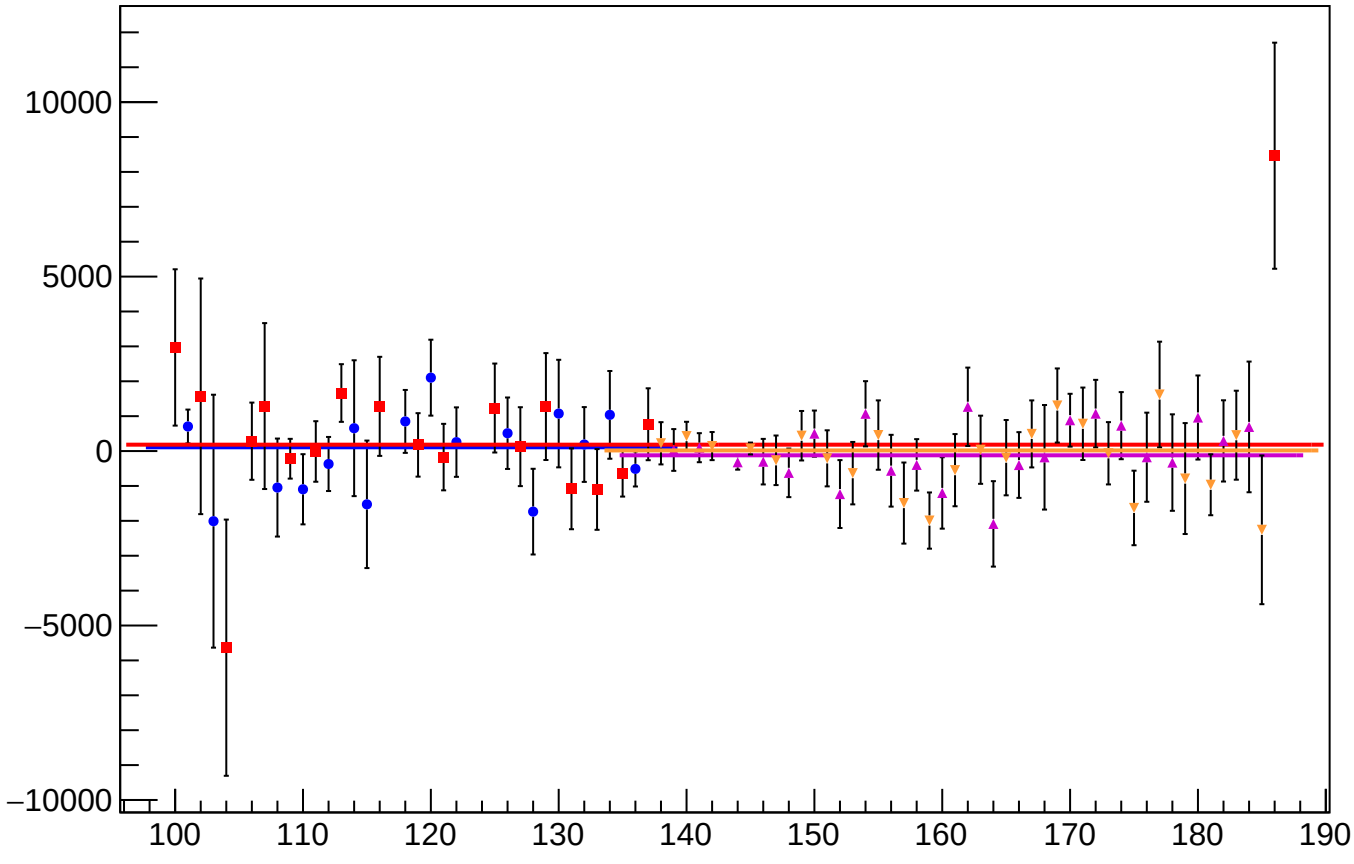
Right Out: 1919.444+/-0.499 χ^2/NDF: 352571.8/18

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1770.193+/-0.248 χ^2/NDF: 760130.7/39

All: 1775.393+/-0.176 χ^2/NDF: 1218816.0/81

- sign 1780.599+/-0.248 χ^2/NDF: 457807.0/41



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

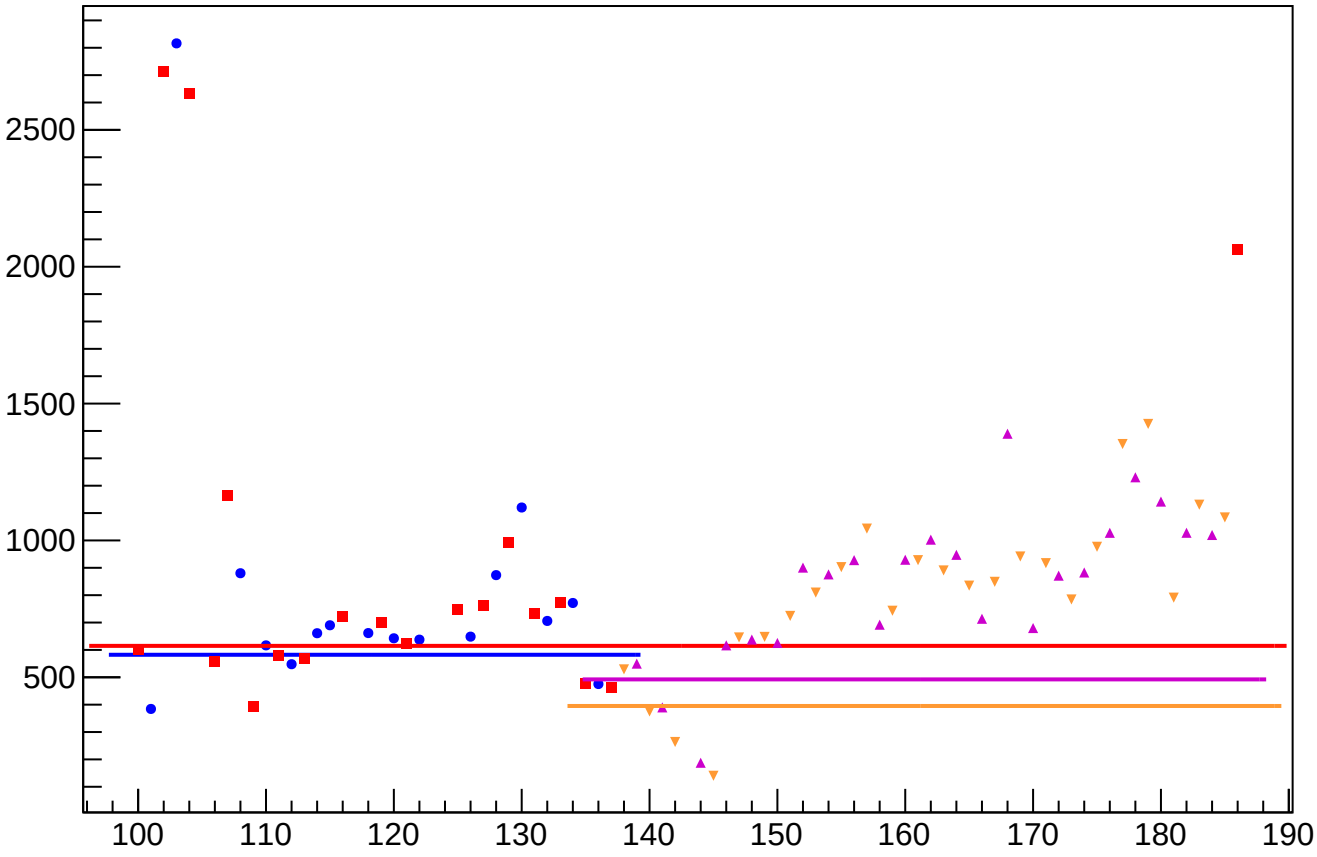
Right Out: 183.073+/-245.226 χ^2/NDF: 20.9/18

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 36.914+/-106.090 χ^2/NDF: 33.7/39

All: -0.921+/-79.395 χ^2/NDF: 72.6/81

- sign -49.088+/-119.701 χ^2/NDF: 38.6/41



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 614.802+/-0.173 χ^2/NDF: 2601310.1/18

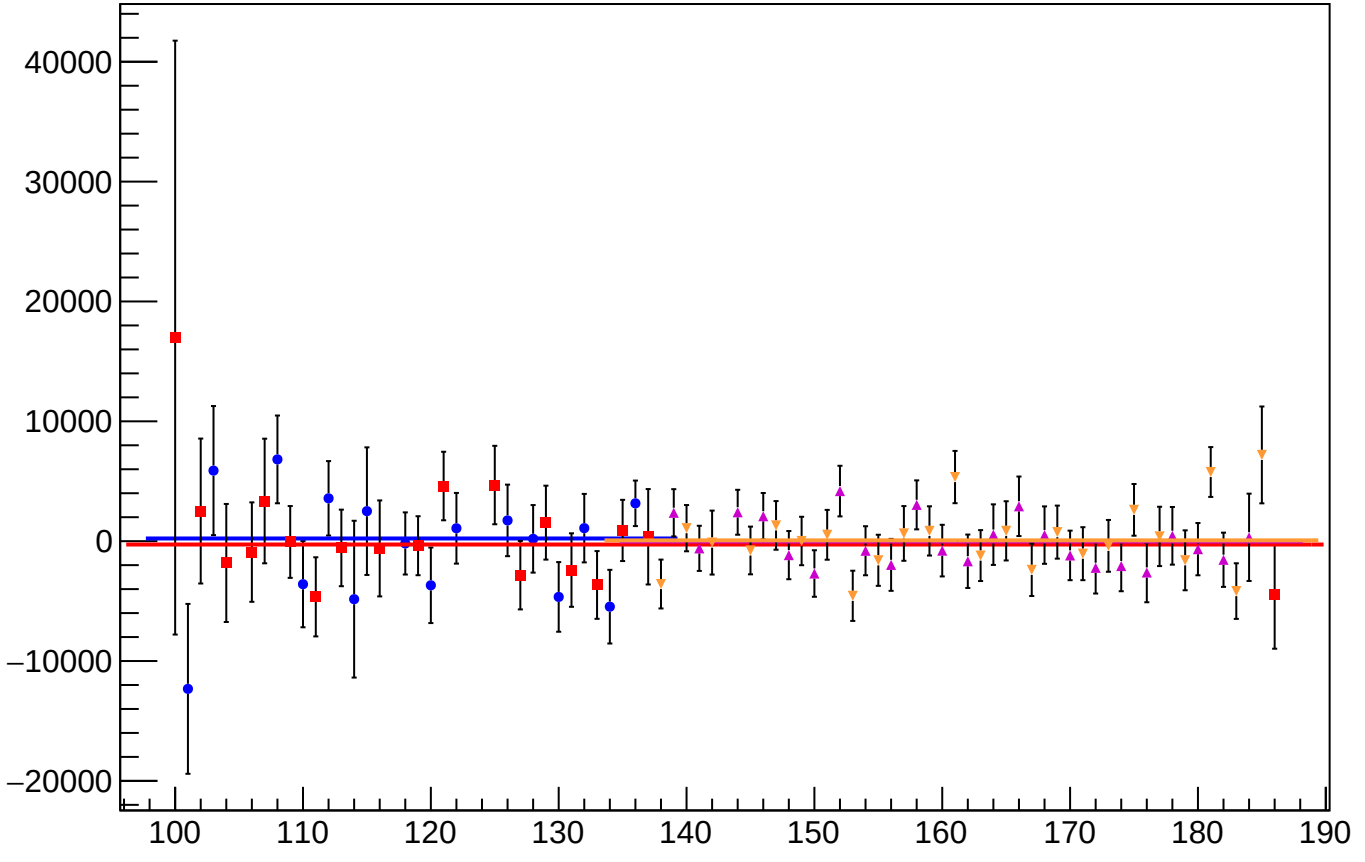
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 434.407+/-0.075 χ^2/NDF: 17119197.6/39

All: 472.715+/-0.056 χ^2/NDF: 31113003.0/81

- sign 521.484+/-0.085 χ^2/NDF: 13401039.7/41

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -279.231+/-782.055 χ^2/NDF: 12.5/18

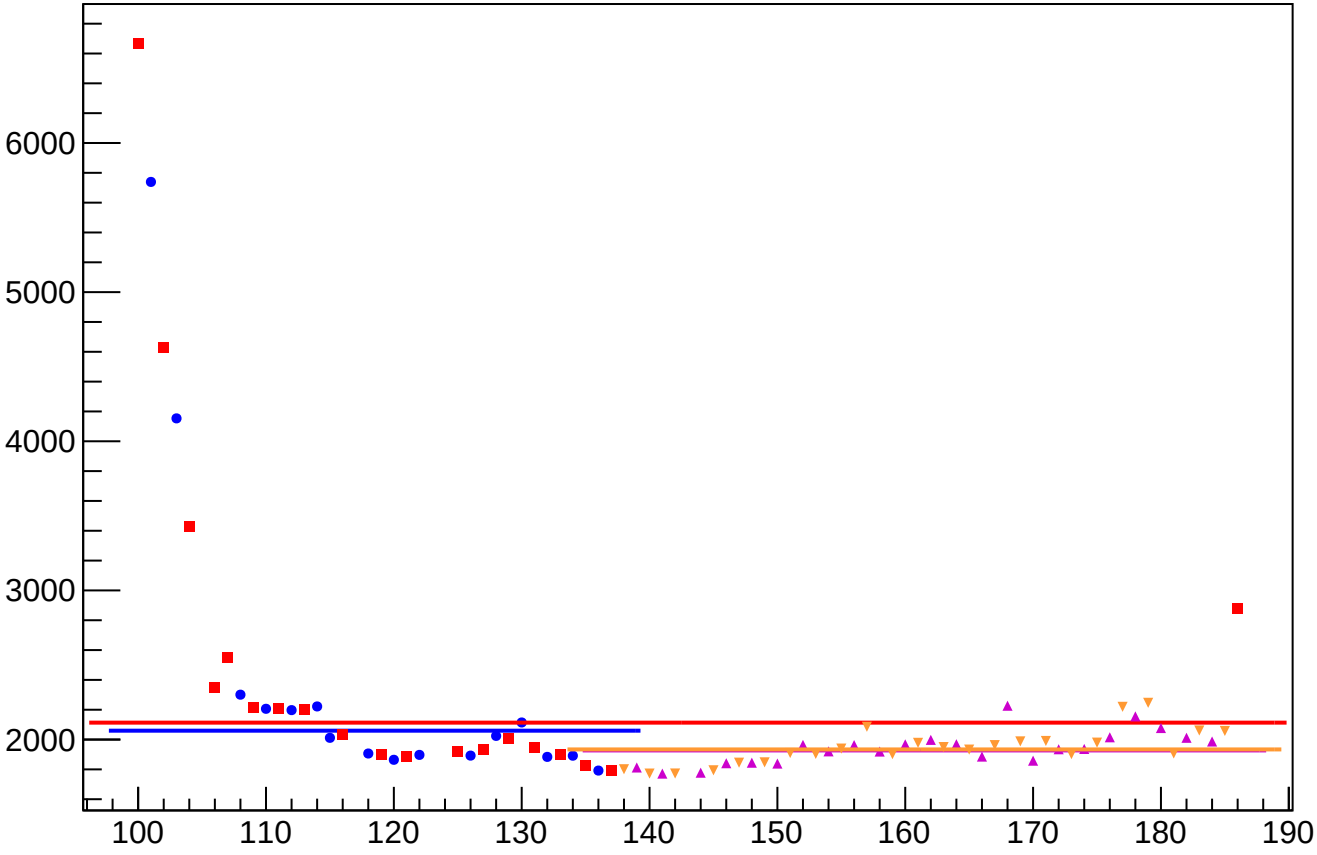
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 105.177+/-391.052 χ^2/NDF: 54.8/39

All: 8.045+/-276.331 χ^2/NDF: 87.4/81

- sign -88.828+/-390.530 χ^2/NDF: 32.5/41

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

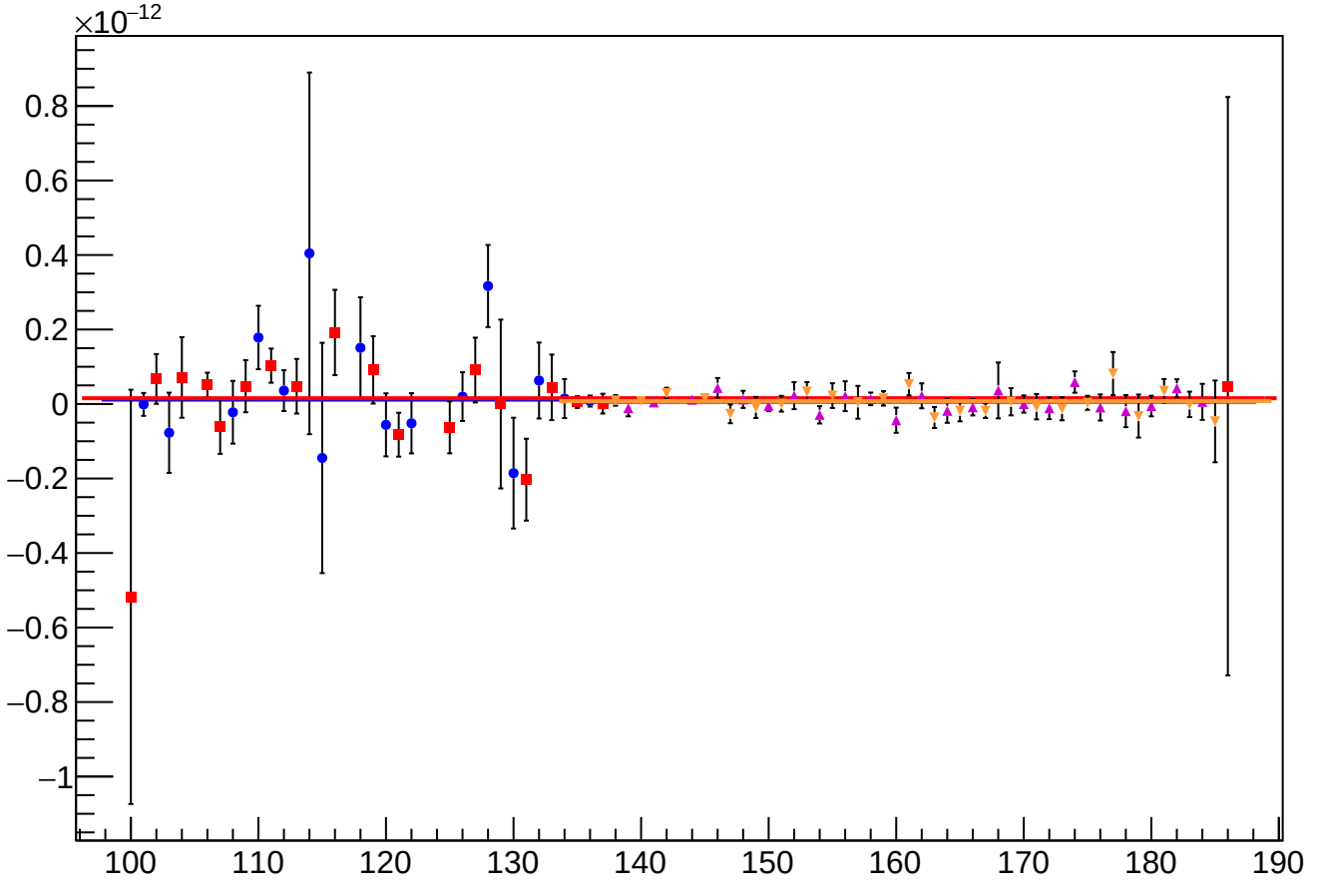
Right Out: 2113.473+/-0.553 χ^2/NDF: 741725.9/18

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1964.472+/-0.277 χ^2/NDF: 1106518.5/39

All: 1969.039+/-0.195 χ^2/NDF: 2050463.6/81

- sign 1973.594+/-0.276 χ^2/NDF: 943400.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

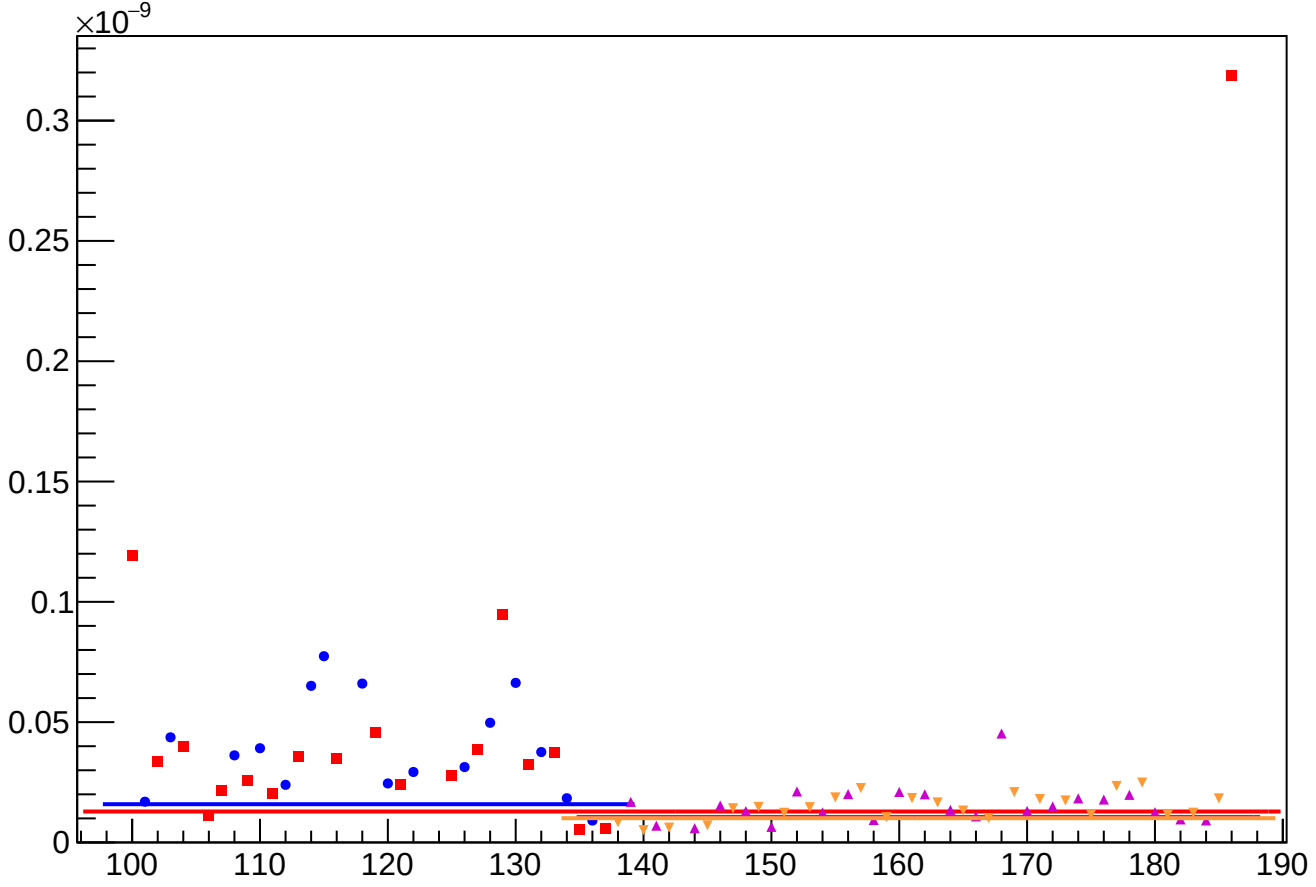
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/39

All: 0.000+/-0.000 χ^2/NDF: 73.7/81

- sign 0.000+/-0.000 χ^2/NDF: 38.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

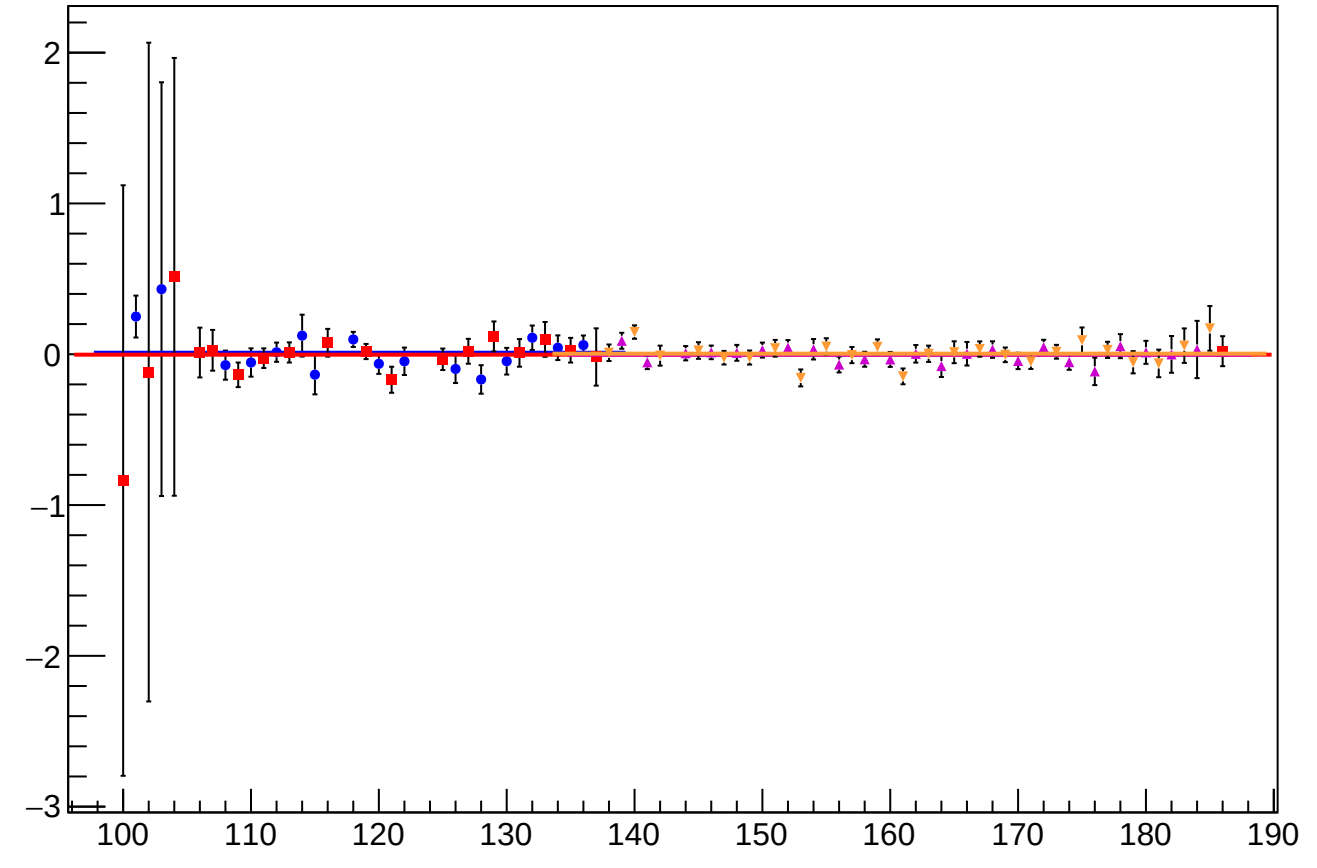
Right Out: 0.000+/-0.000 χ^2/NDF: 2796987.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 4651451.1/39

All: 0.000+/-0.000 χ^2/NDF: 10105207.0/81

- sign 0.000+/-0.000 χ^2/NDF: 5452897.5/41



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

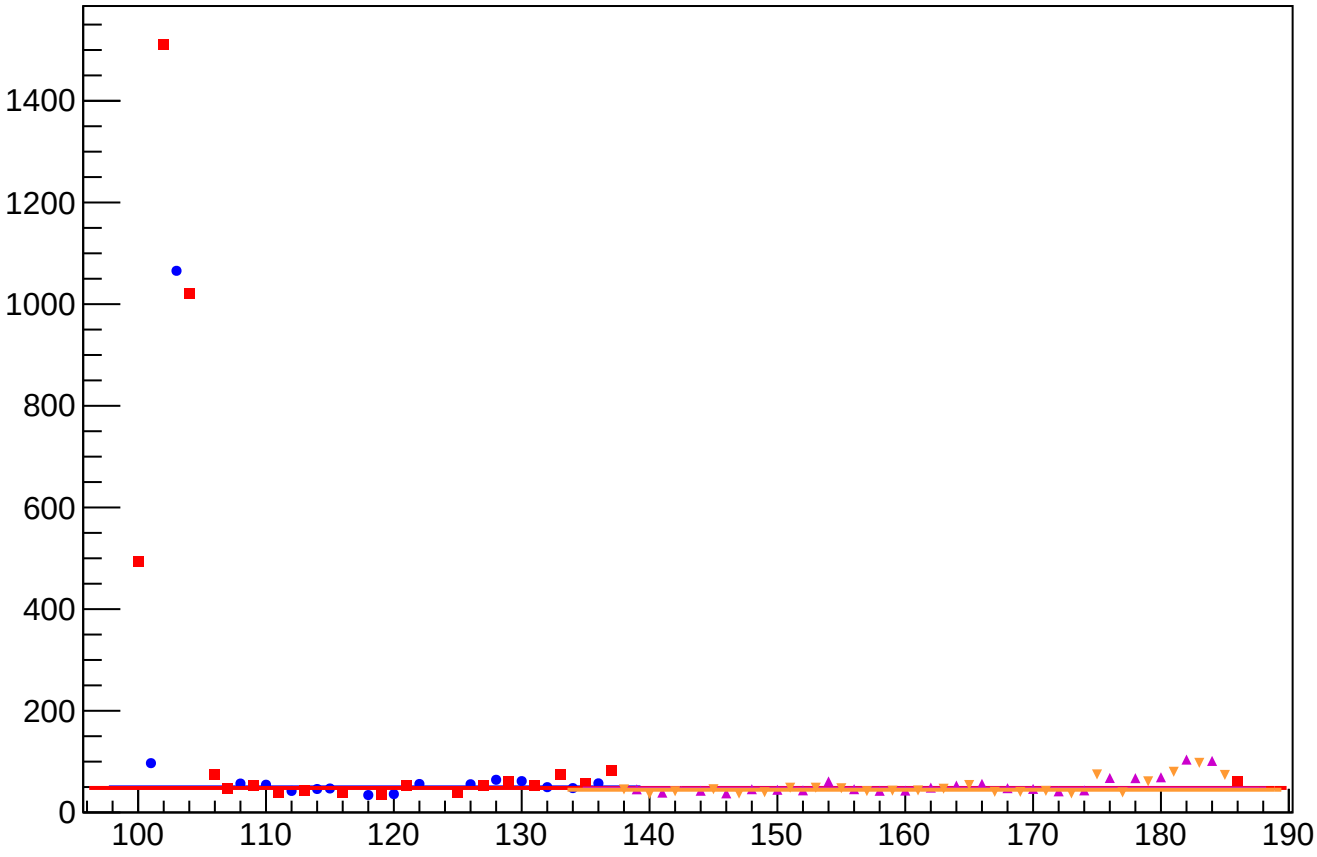
Right Out: -0.003+/-0.021 χ^2/NDF: 10.6/18

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.005+/-0.010 χ^2/NDF: 53.6/39

All: 0.001+/-0.007 χ^2/NDF: 78.9/81

- sign -0.003+/-0.010 χ^2/NDF: 25.0/41



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

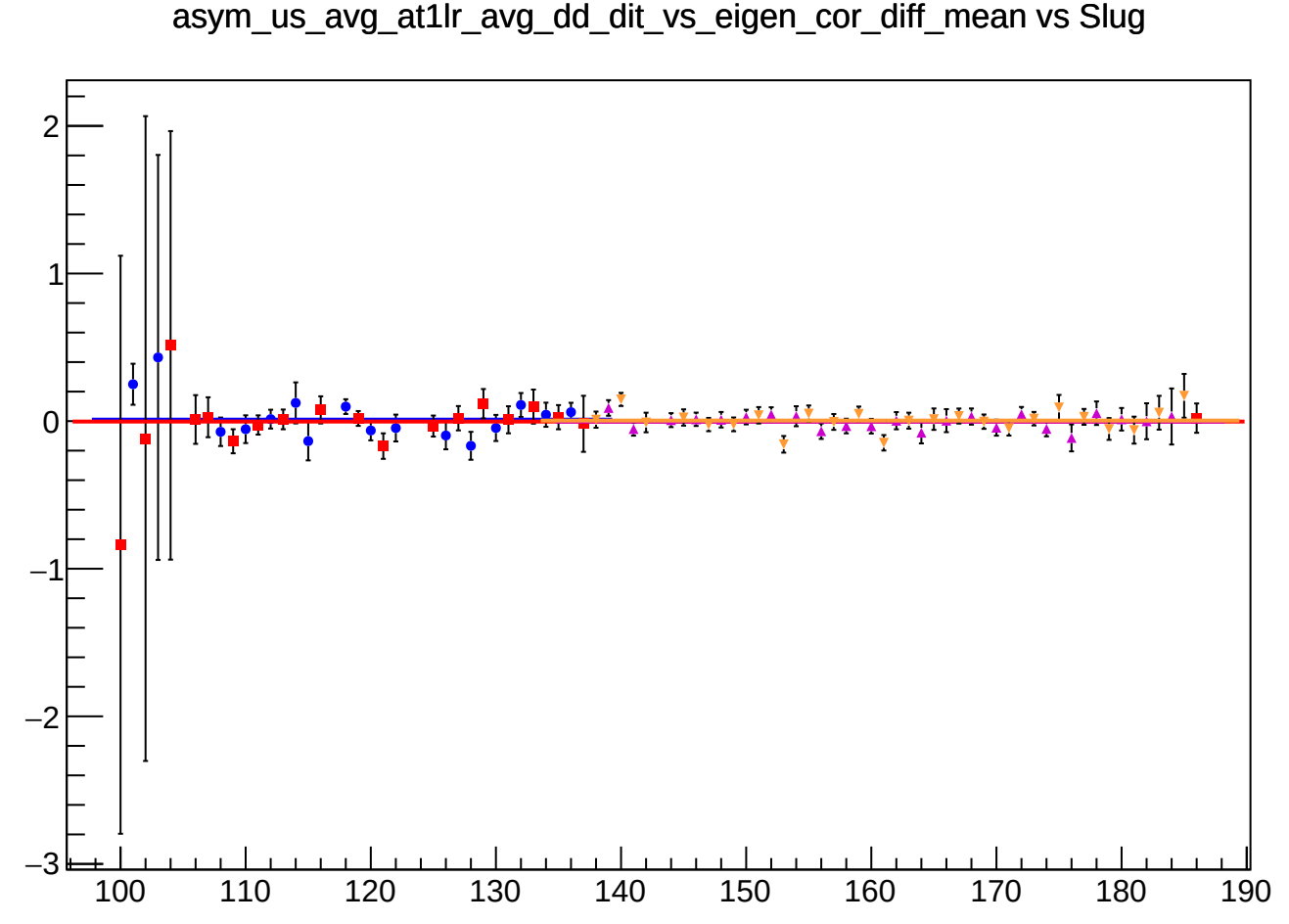
Right Out: 48.199+/-0.015 χ^2/NDF: 2453131.1/18

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 45.799+/-0.007 χ^2/NDF: 3332461.8/39

All: 46.536+/-0.005 χ^2/NDF: 7195339.0/81

- sign 47.318+/-0.007 χ^2/NDF: 3840841.5/41



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

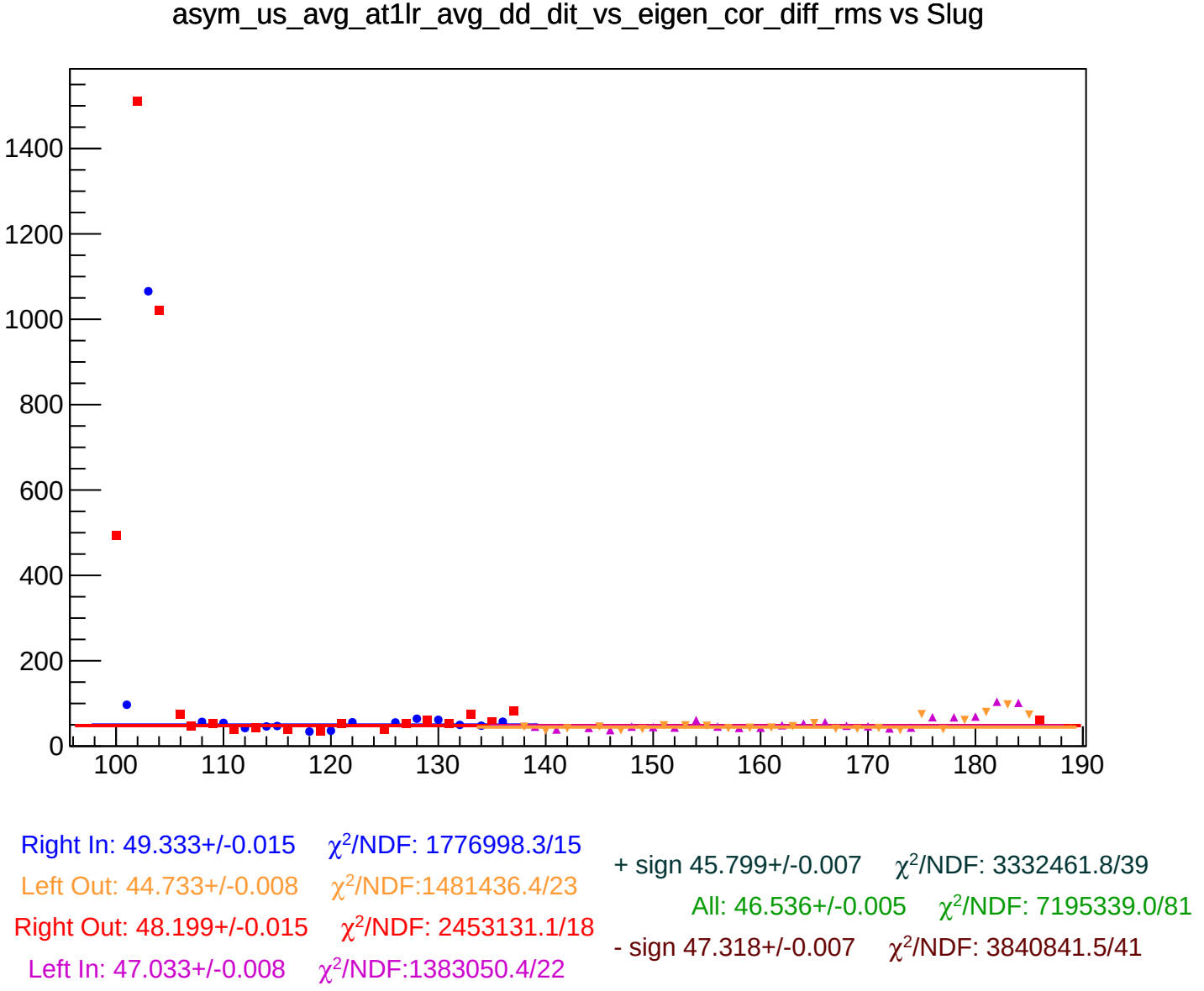
Right Out: -0.003+/-0.021 χ^2/NDF: 10.6/18

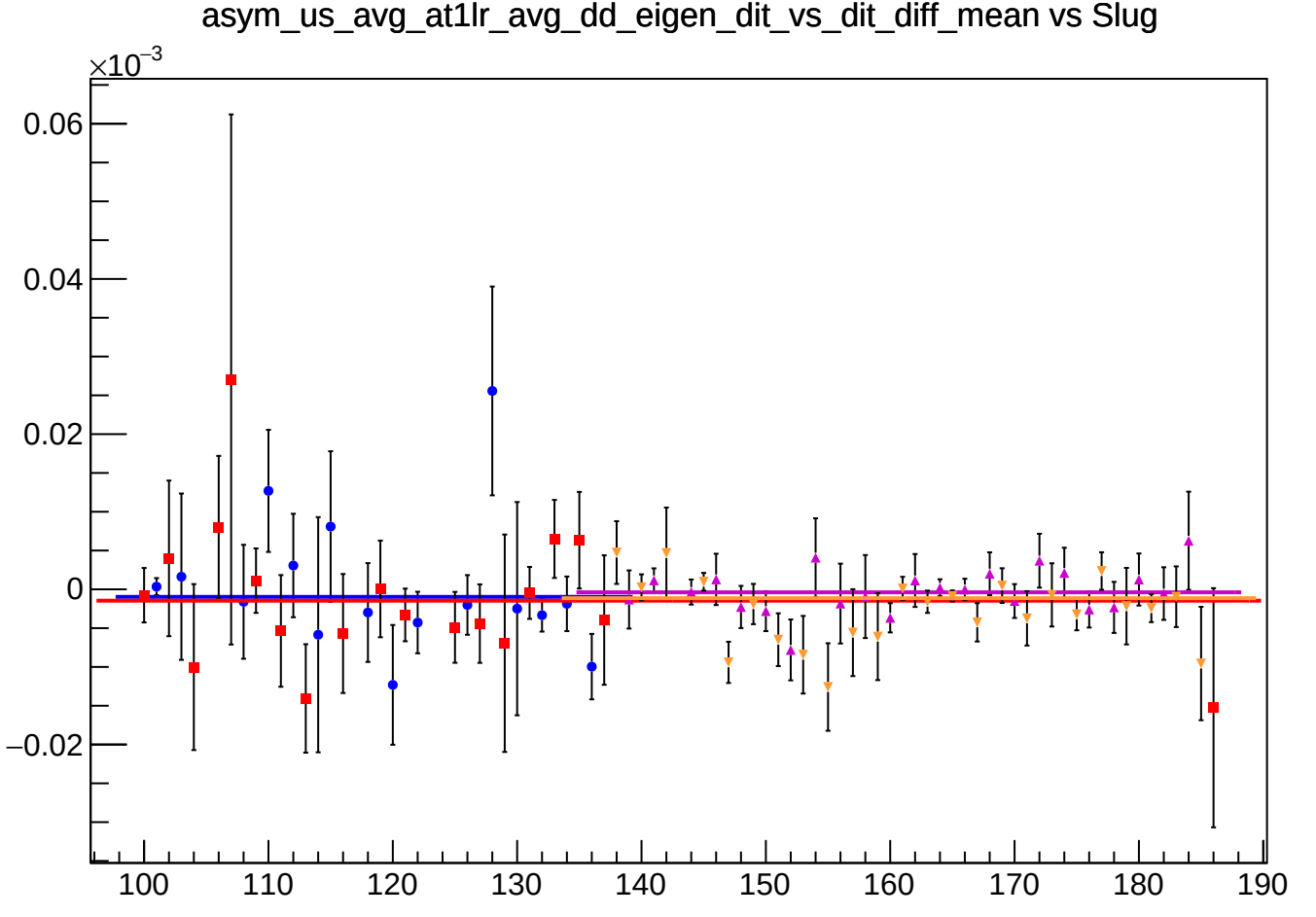
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.005+/-0.010 χ^2/NDF: 53.6/39

All: 0.001+/-0.007 χ^2/NDF: 78.9/81

- 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: 49.333+/-0.015 χ²/NDF: 1776998.3/15
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 45.799+/-0.007 χ²/NDF: 3332461.8/39
All: 46.536+/-0.005 χ²/NDF: 7195339.0/81
- sign 47.318+/-0.007 χ²/NDF: 3840841.5/41



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

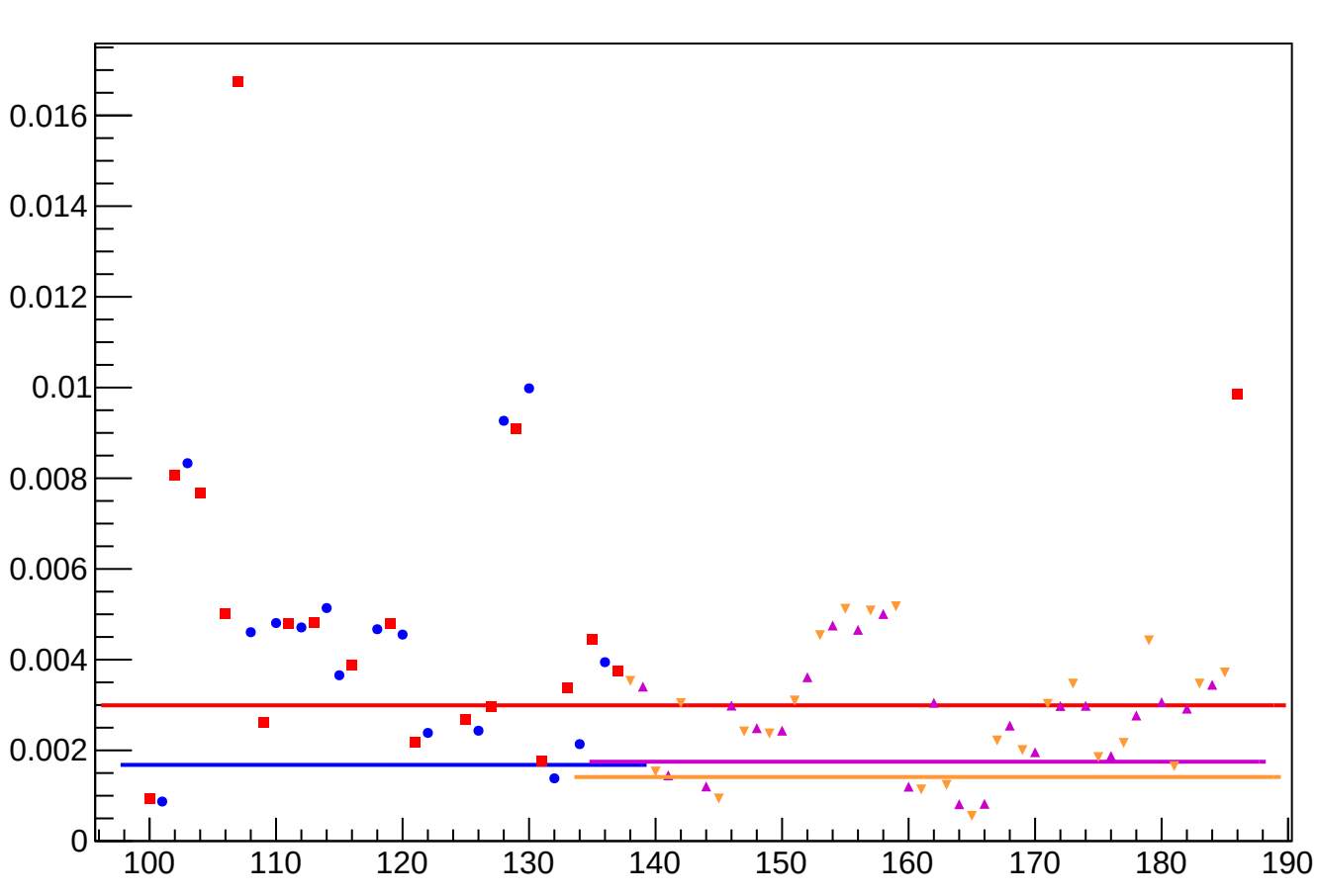
Right Out: -0.000+/-0.000 χ^2/NDF: 13.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.4/39

All: -0.000+/-0.000 χ^2/NDF: 85.8/81

- sign -0.000+/-0.000 χ^2/NDF: 30.4/41



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

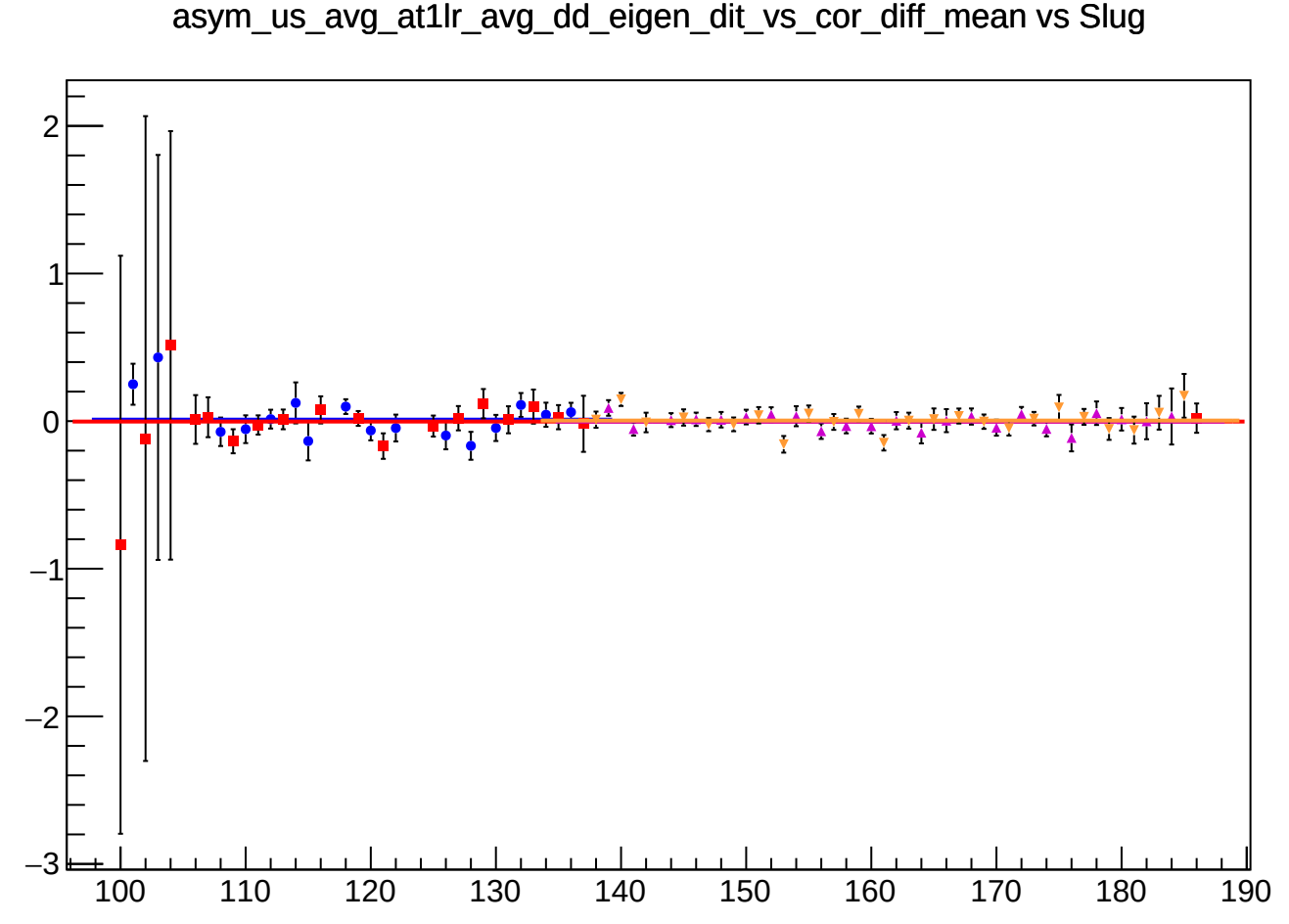
Right Out: 0.003+/-0.000 χ^2/NDF: 3778236.6/18

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 17713595.7/39

All: 0.002+/-0.000 χ^2/NDF: 32501452.4/81

- sign 0.002+/-0.000 χ^2/NDF: 13651765.3/41



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

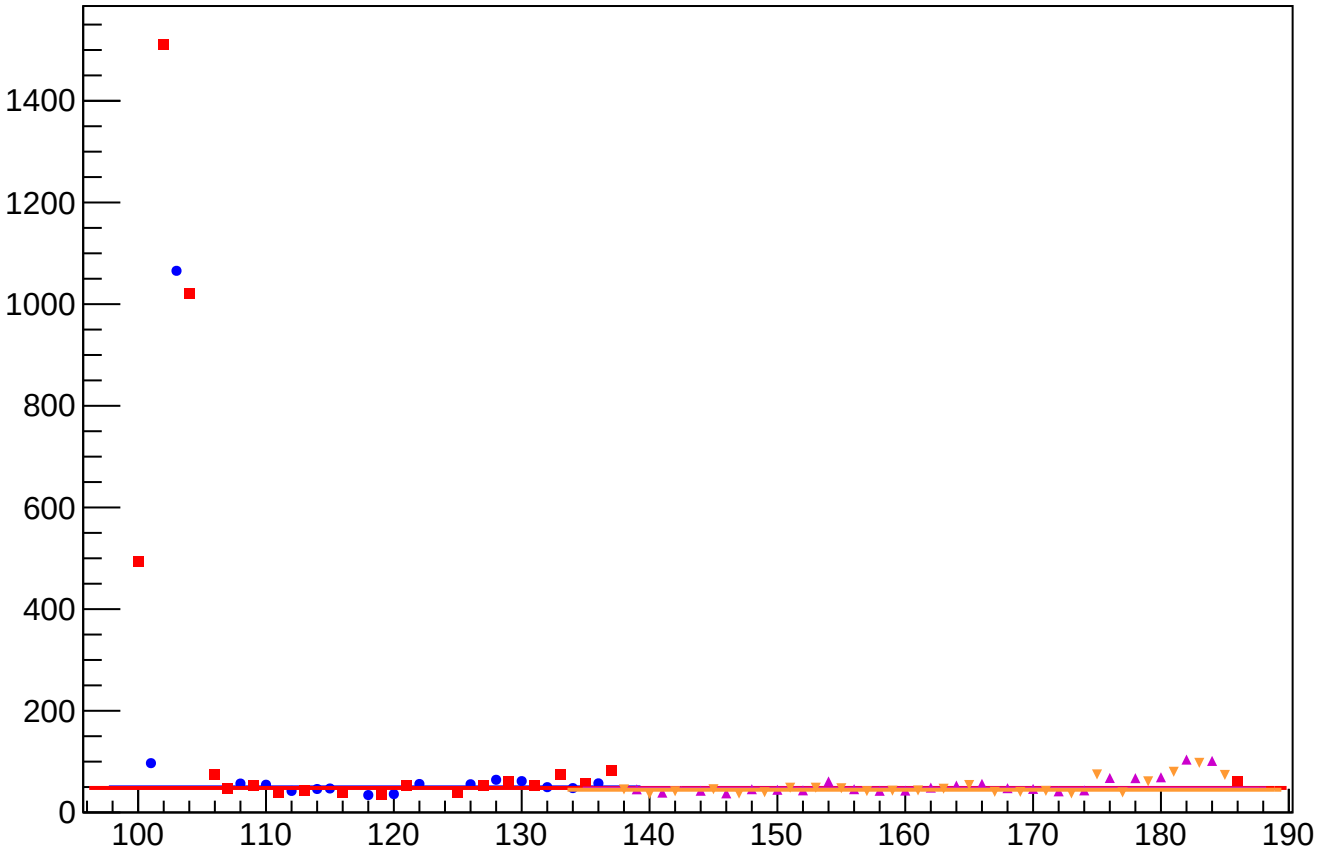
Right Out: -0.003+/-0.021 χ^2/NDF: 10.6/18

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.005+/-0.010 χ^2/NDF: 53.6/39

All: 0.001+/-0.007 χ^2/NDF: 78.9/81

- sign -0.003+/-0.010 χ^2/NDF: 25.0/41



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 48.198+/-0.015 χ^2/NDF: 2453165.5/18

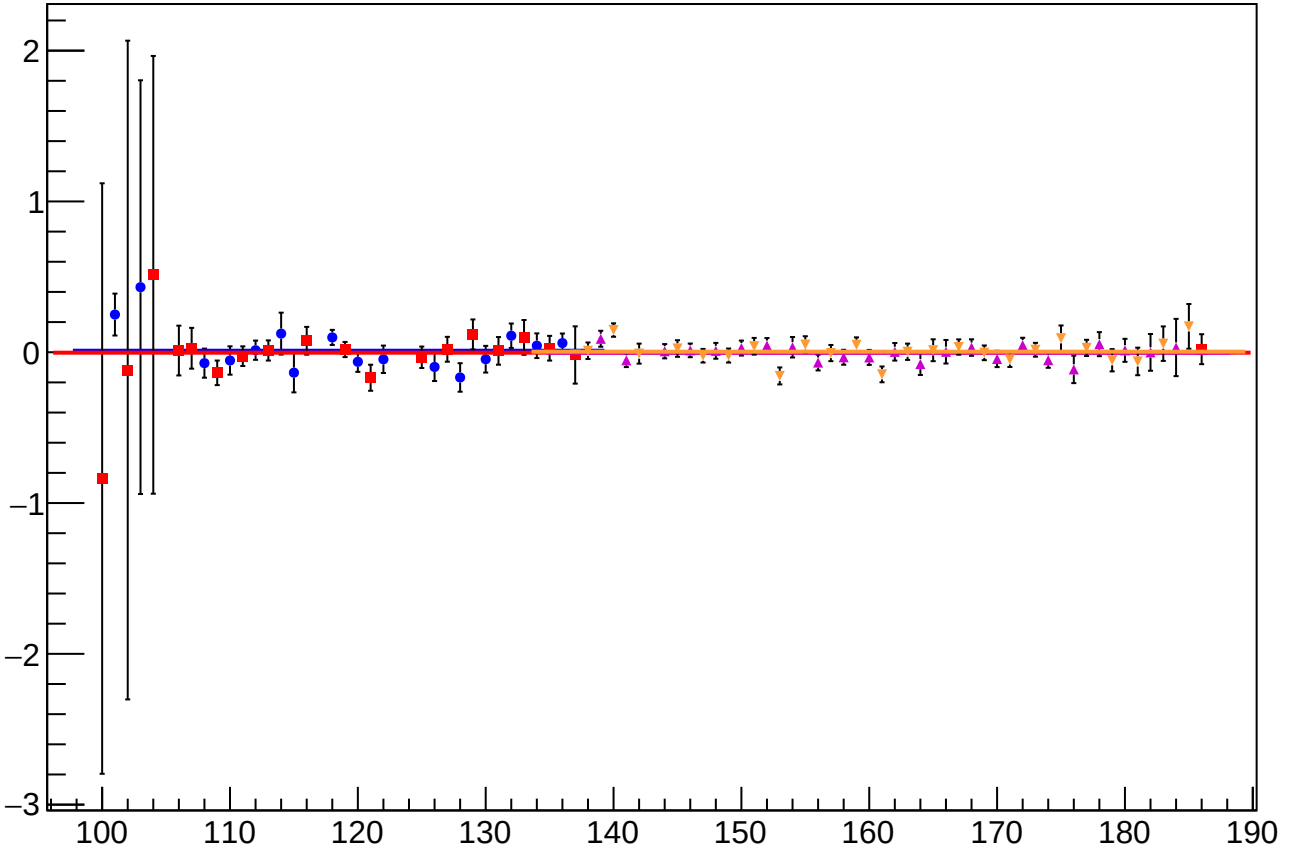
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 45.799+/-0.007 χ^2/NDF: 3332396.6/39

All: 46.536+/-0.005 χ^2/NDF: 7195356.5/81

- sign 47.317+/-0.007 χ^2/NDF: 3840941.8/41

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

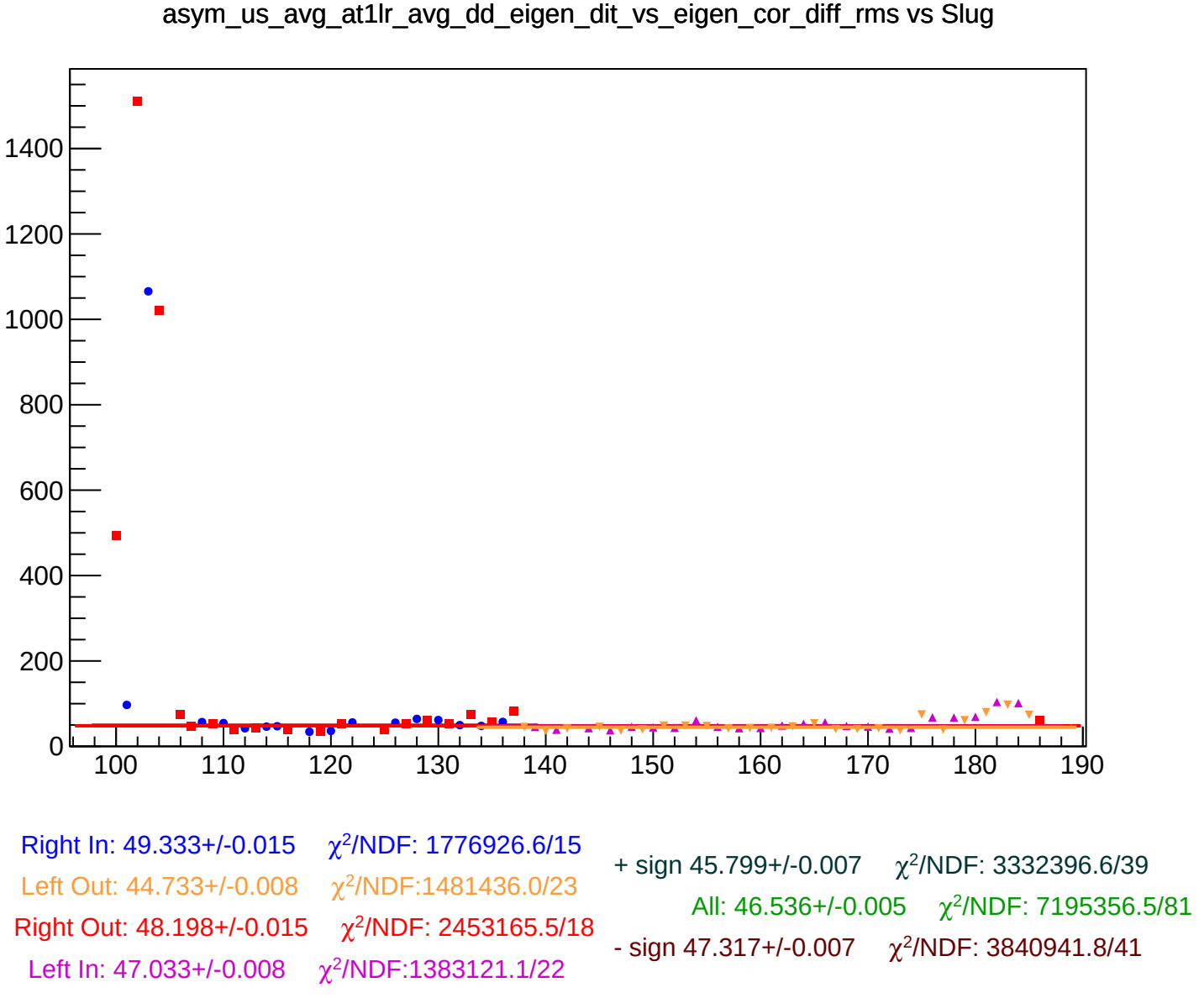
Right Out: -0.003+/-0.021 χ^2/NDF: 10.6/18

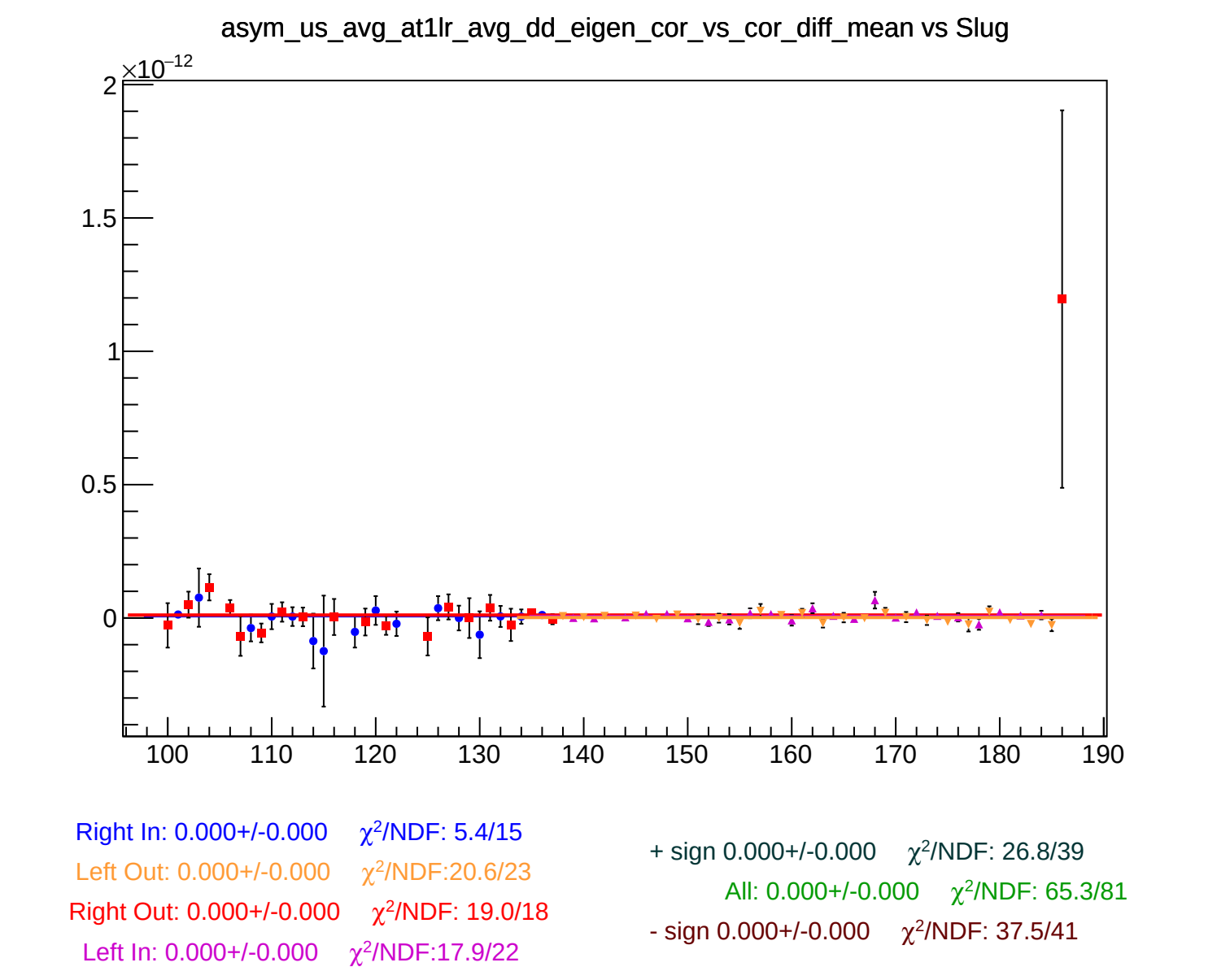
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

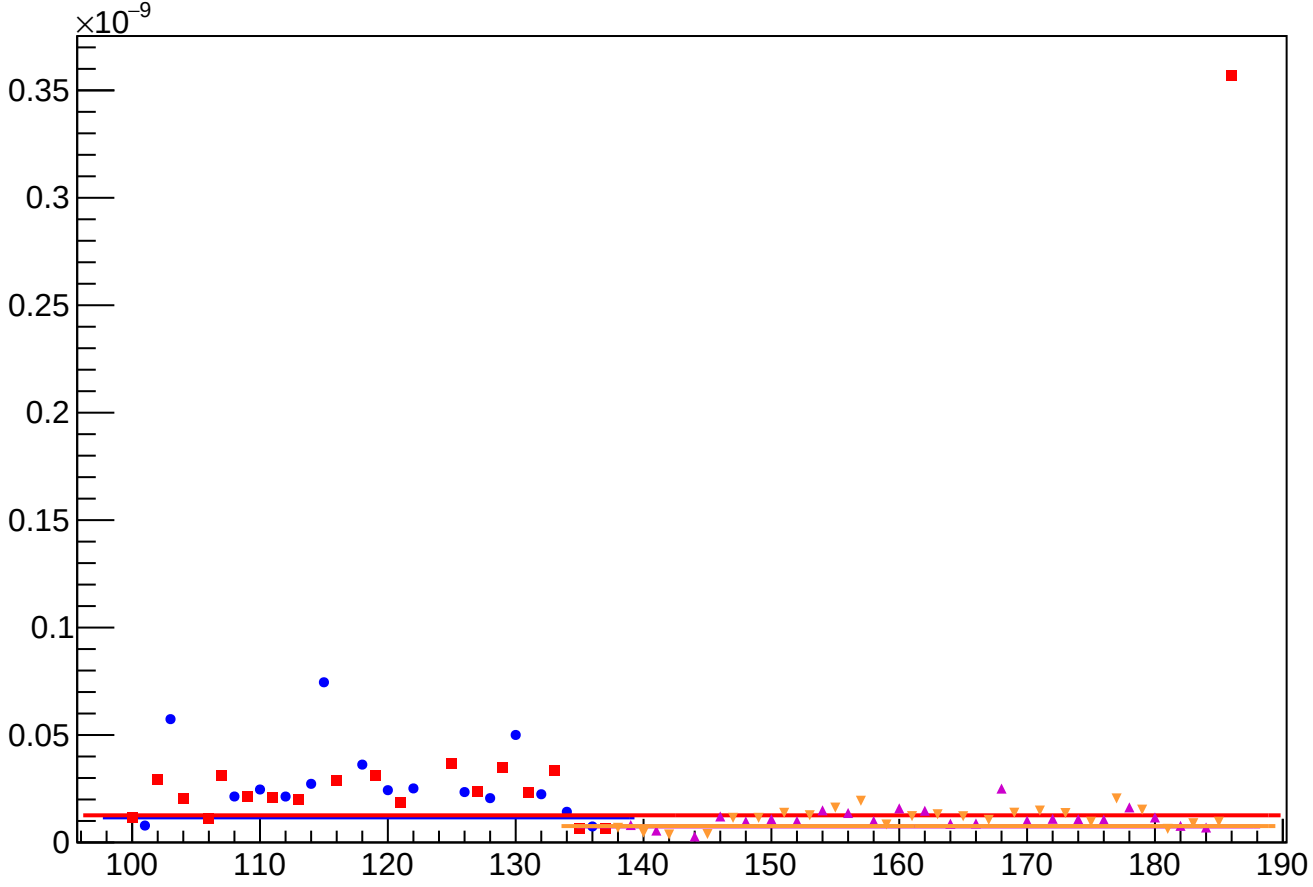
+ sign 0.005+/-0.010 χ^2/NDF: 53.6/39

All: 0.001+/-0.007 χ^2/NDF: 78.9/81

- 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: 49.333+/-0.015 χ2/NDF: 1776926.6/15
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 45.799+/-0.007 χ2/NDF: 3332396.6/39
All: 46.536+/-0.005 χ2/NDF: 7195356.5/81
- sign 47.317+/-0.007 χ2/NDF: 3840941.8/41


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1.5
1
0.5
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:20.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 19.0/18
Left In: 0.000+/-0.000 χ²/NDF:17.9/22
+ sign 0.000+/-0.000 χ²/NDF: 26.8/39
All: 0.000+/-0.000 χ²/NDF: 65.3/81
- sign 0.000+/-0.000 χ²/NDF: 37.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3397078.6/18

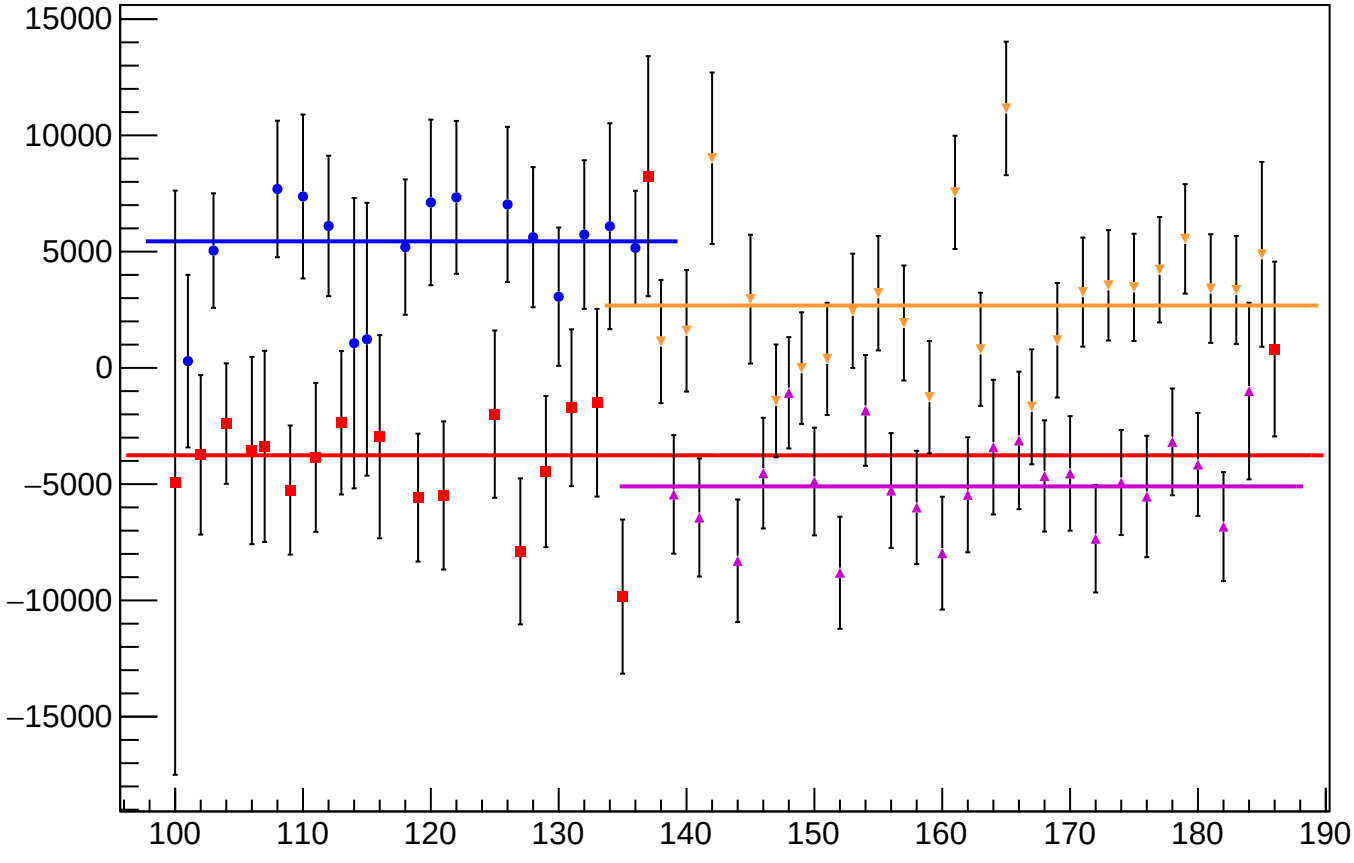
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9128210.4/39

All: 0.000+/-0.000 χ^2/NDF: 19427650.0/81

- sign 0.000+/-0.000 χ^2/NDF: 10296847.5/41

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3759.974+/-790.909 χ^2/NDF: 14.5/18

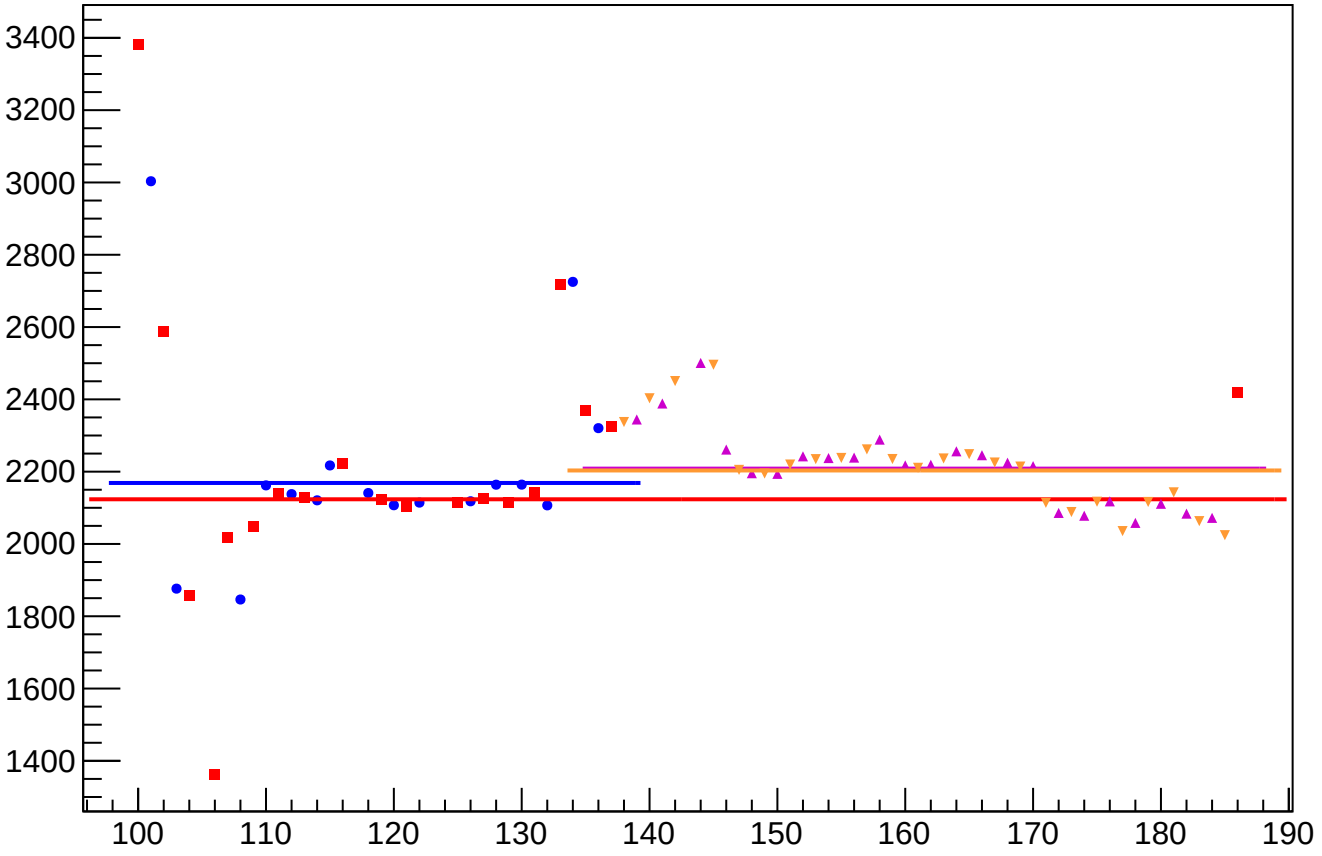
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3467.187+/-433.186 χ^2/NDF: 44.5/39

All: -623.384+/-305.994 χ^2/NDF: 253.9/81

- sign -4697.160+/-432.296 χ^2/NDF: 31.4/41

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

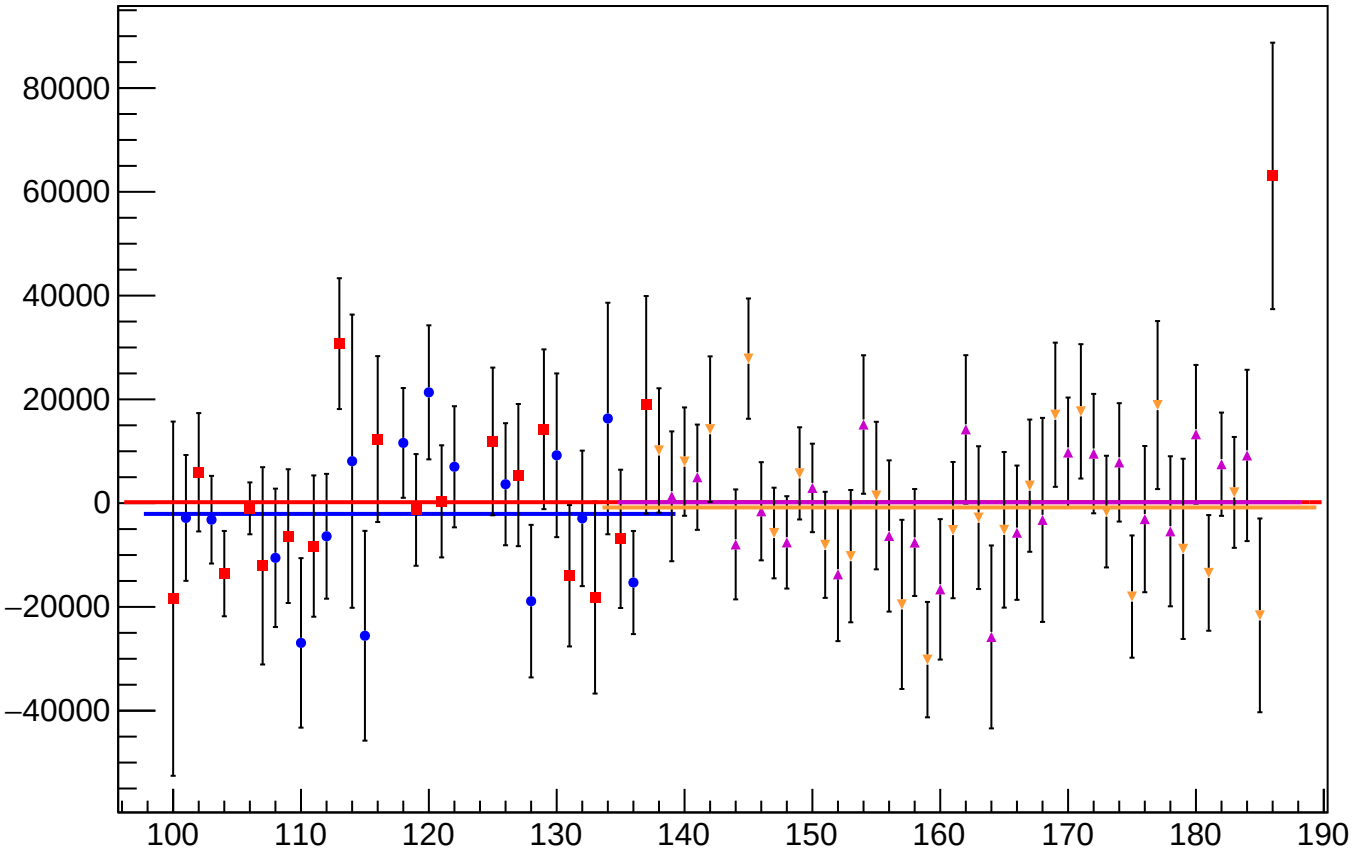
Right Out: 2123.572+/-0.551 χ^2/NDF: 280227.6/18

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2193.468+/-0.306 χ^2/NDF: 286460.8/39

All: 2187.945+/-0.216 χ^2/NDF: 664802.7/81

- sign 2182.495+/-0.304 χ^2/NDF: 377696.1/41



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

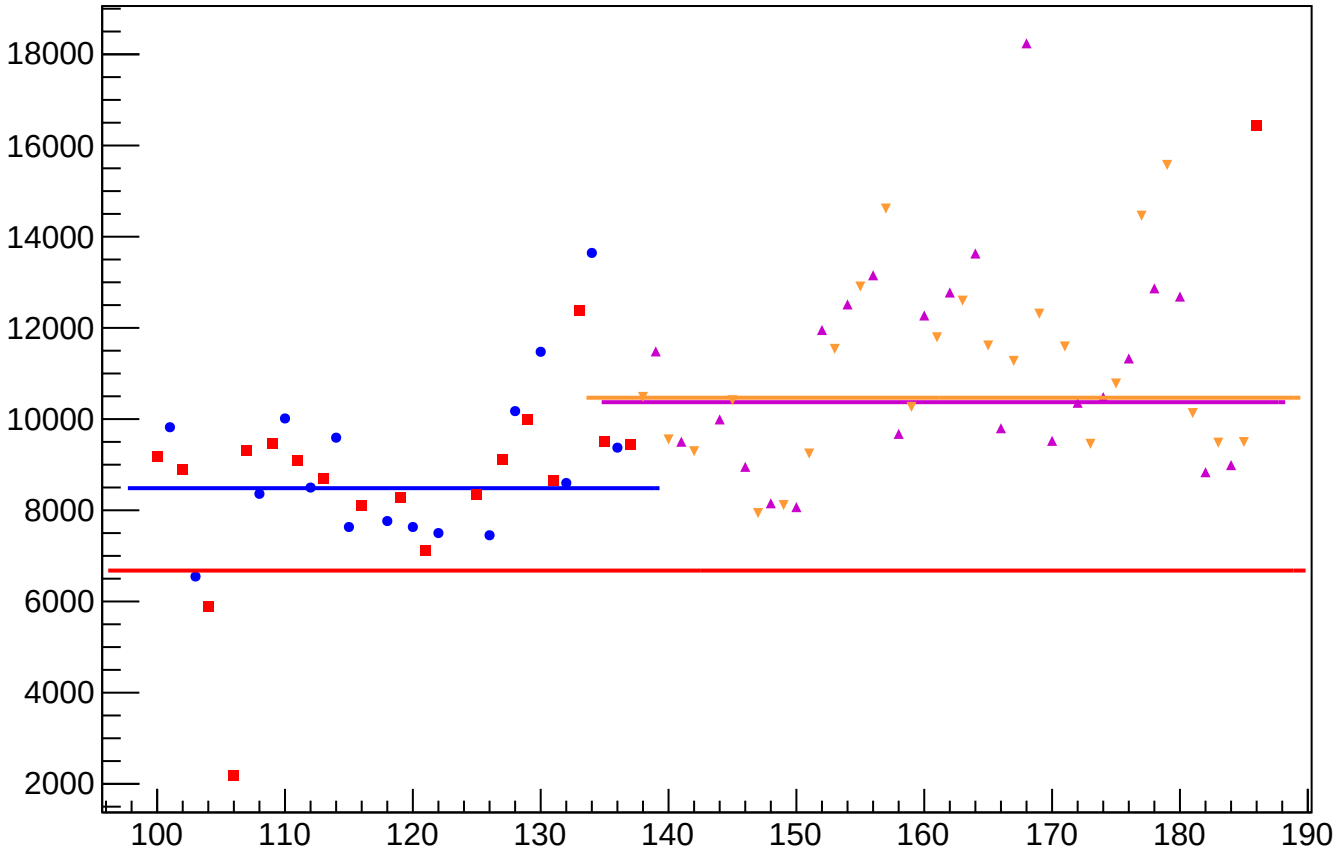
Right Out: 181.815+/-2700.529 χ^2/NDF: 21.7/18

Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

\+ sign -1297.448+/-1963.727 χ^2/NDF: 44.0/39

All: -502.782+/-1336.080 χ^2/NDF: 79.8/81

\- sign 182.148+/-1823.105 χ^2/NDF: 35.5/41



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 6677.927+/-1.910 χ^2/NDF: 2861403.1/18

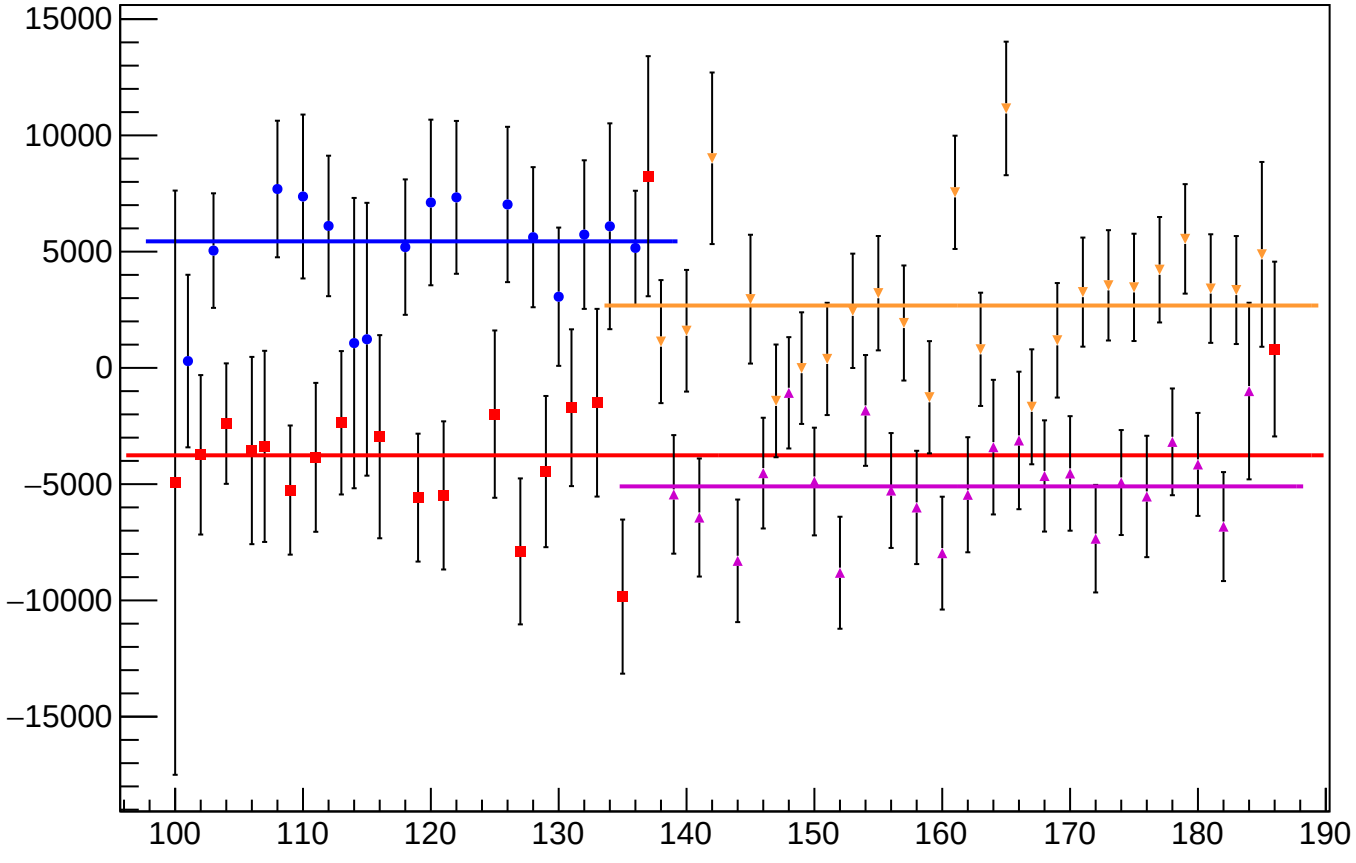
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 9727.269+/-1.389 χ^2/NDF: 1945647.2/39

All: 9169.003+/-0.945 χ^2/NDF: 8347323.2/81

- sign 8687.829+/-1.289 χ^2/NDF: 6100716.4/41

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3759.730+/-790.909 χ^2/NDF: 14.5/18

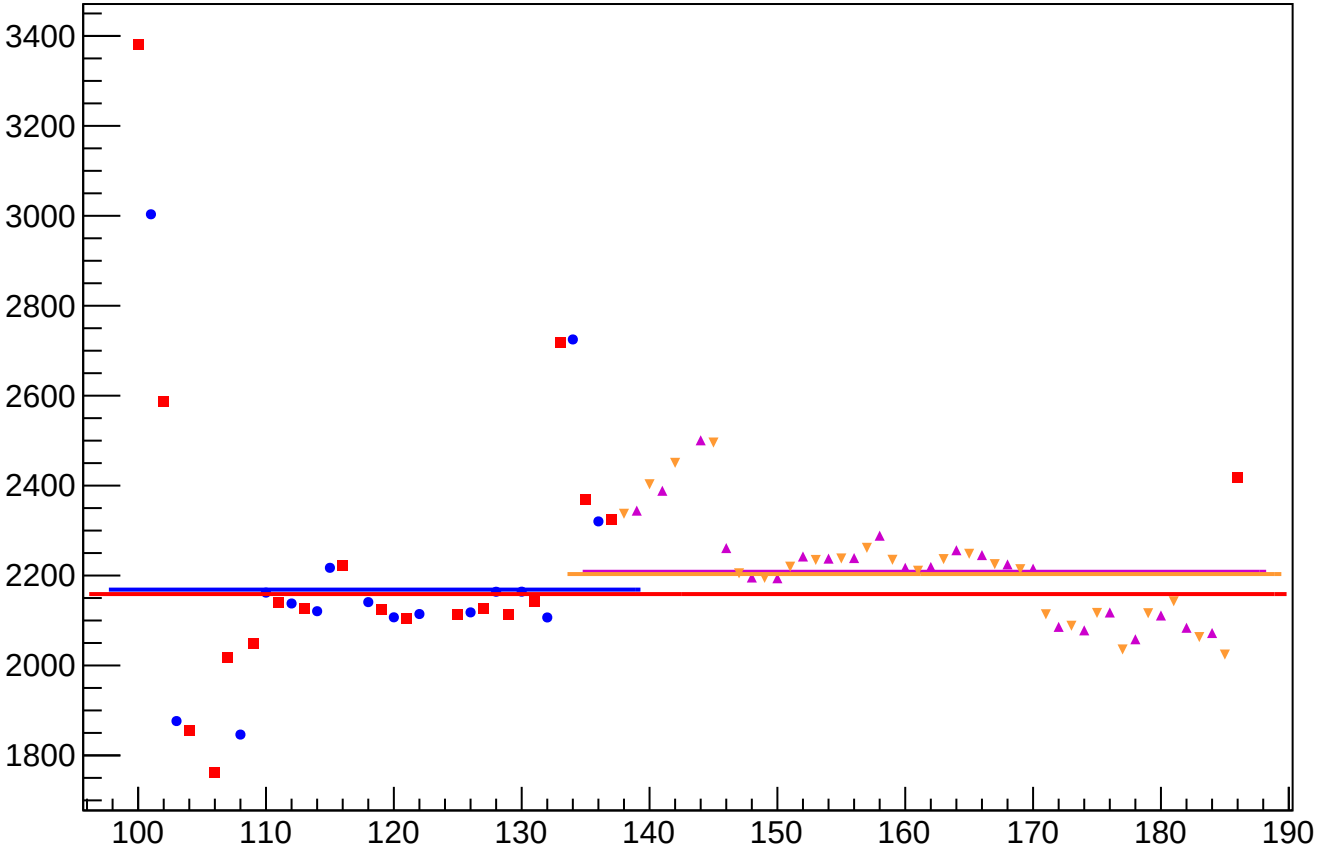
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3467.171+/-433.186 χ^2/NDF: 44.5/39

All: -623.323+/-305.994 χ^2/NDF: 253.9/81

- sign -4697.022+/-432.296 χ^2/NDF: 31.4/41

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

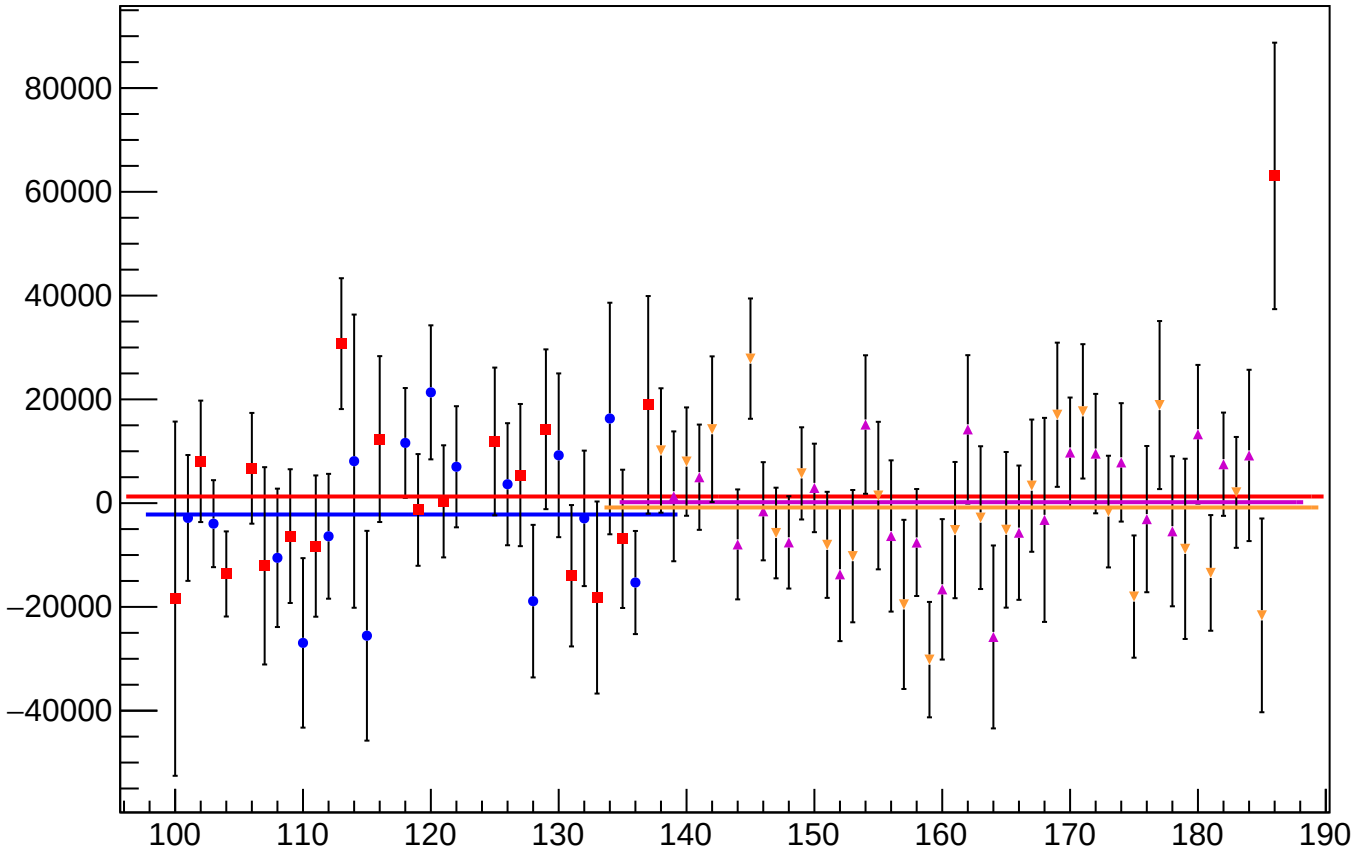
Right Out: 2158.774+/-0.557 χ^2/NDF: 167692.4/18

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2193.468+/-0.306 χ^2/NDF: 286461.2/39

All: 2193.464+/-0.216 χ^2/NDF: 540701.7/81

- sign 2193.461+/-0.305 χ^2/NDF: 254240.6/41



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

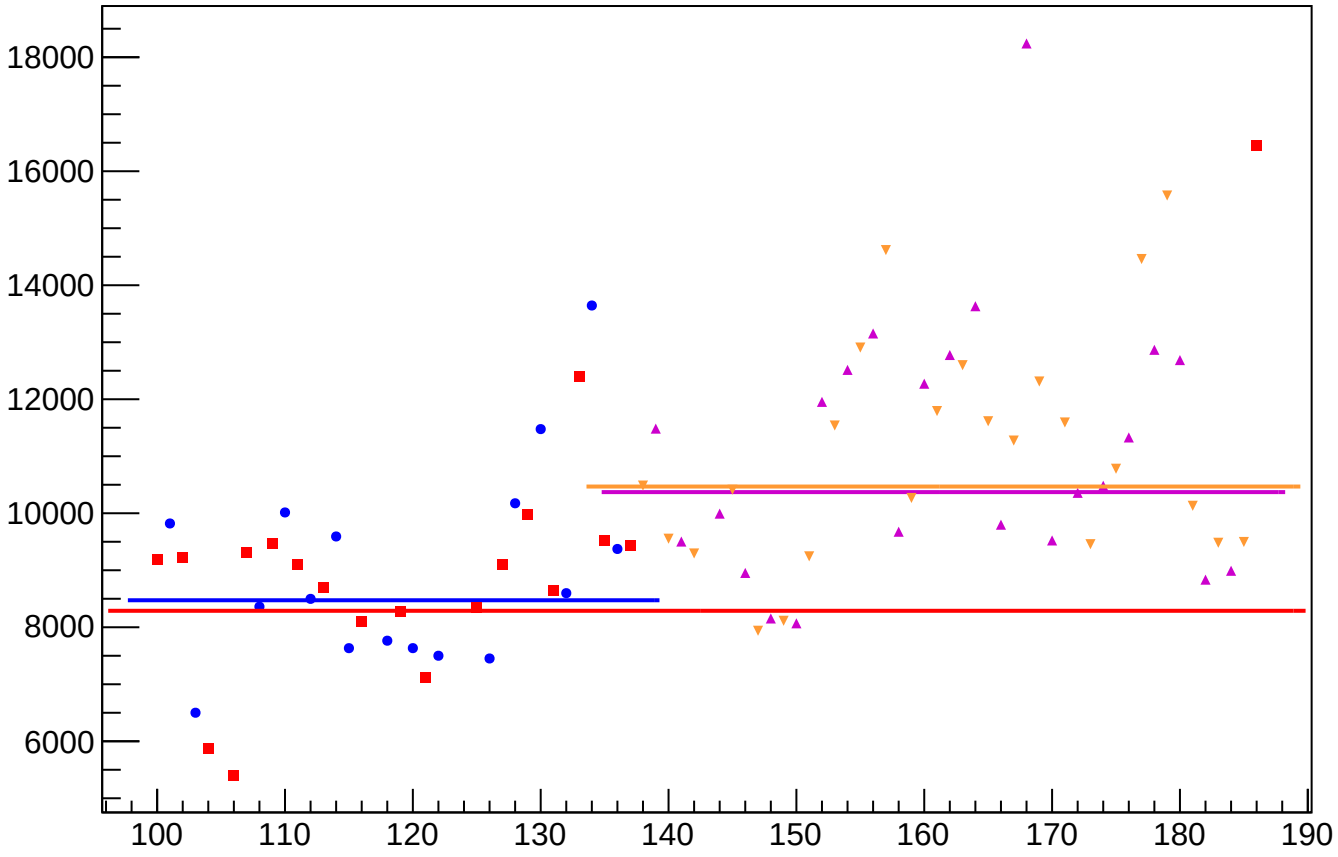
Right Out: 1279.674+/-3077.610 χ^2/NDF: 22.2/18

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -1340.899+/-1962.911 χ^2/NDF: 44.0/39

All: -346.113+/-1375.082 χ^2/NDF: 80.5/81

- sign 612.515+/-1926.907 χ^2/NDF: 36.0/41



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

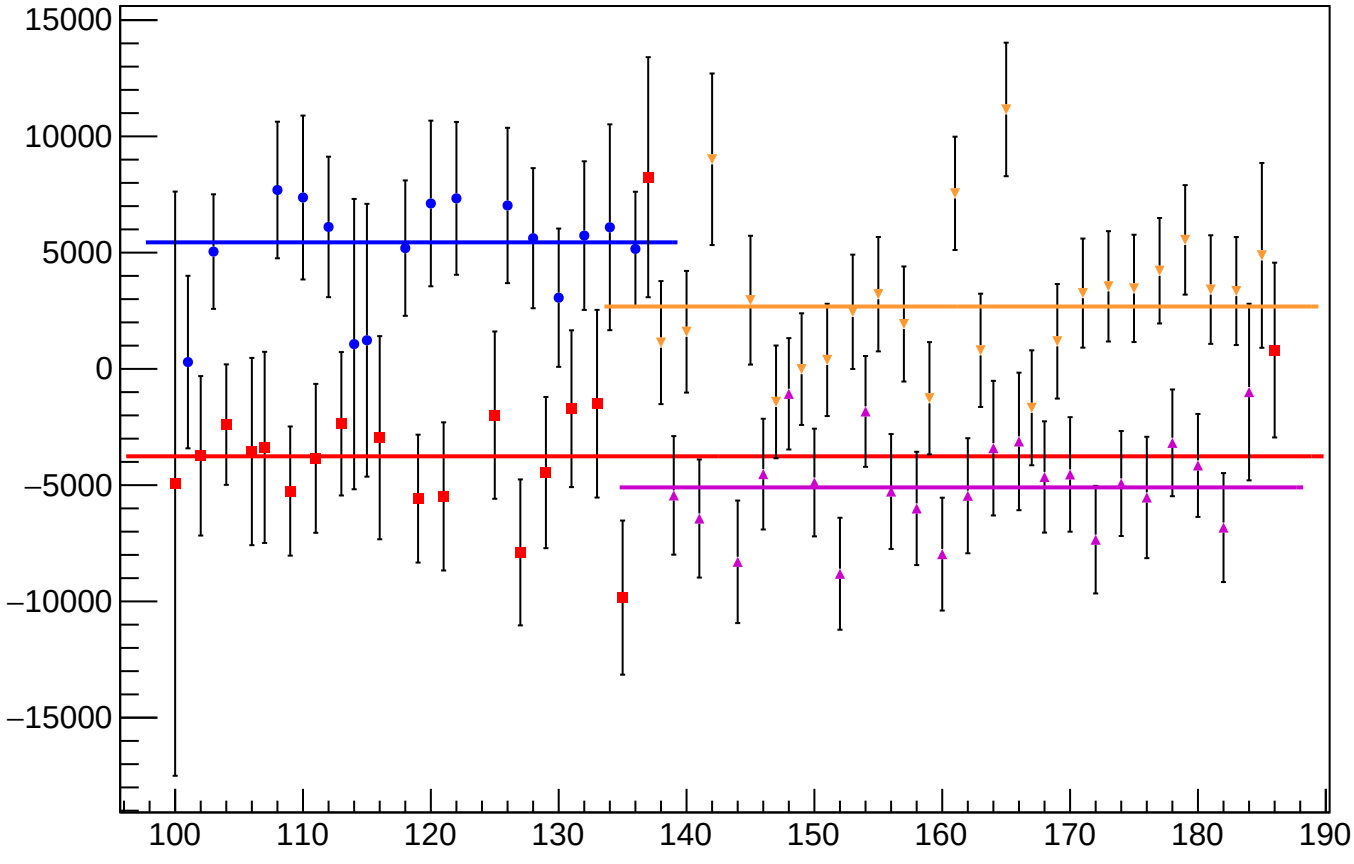
Right Out: 8288.873+/-2.176 χ^2/NDF: 744584.0/18

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9722.023+/-1.388 χ^2/NDF: 1958599.1/39

All: 9636.824+/-0.972 χ^2/NDF: 4470849.5/81

- sign 9554.721+/-1.363 χ^2/NDF: 2504851.5/41



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3759.730+/-790.909 χ^2/NDF: 14.5/18

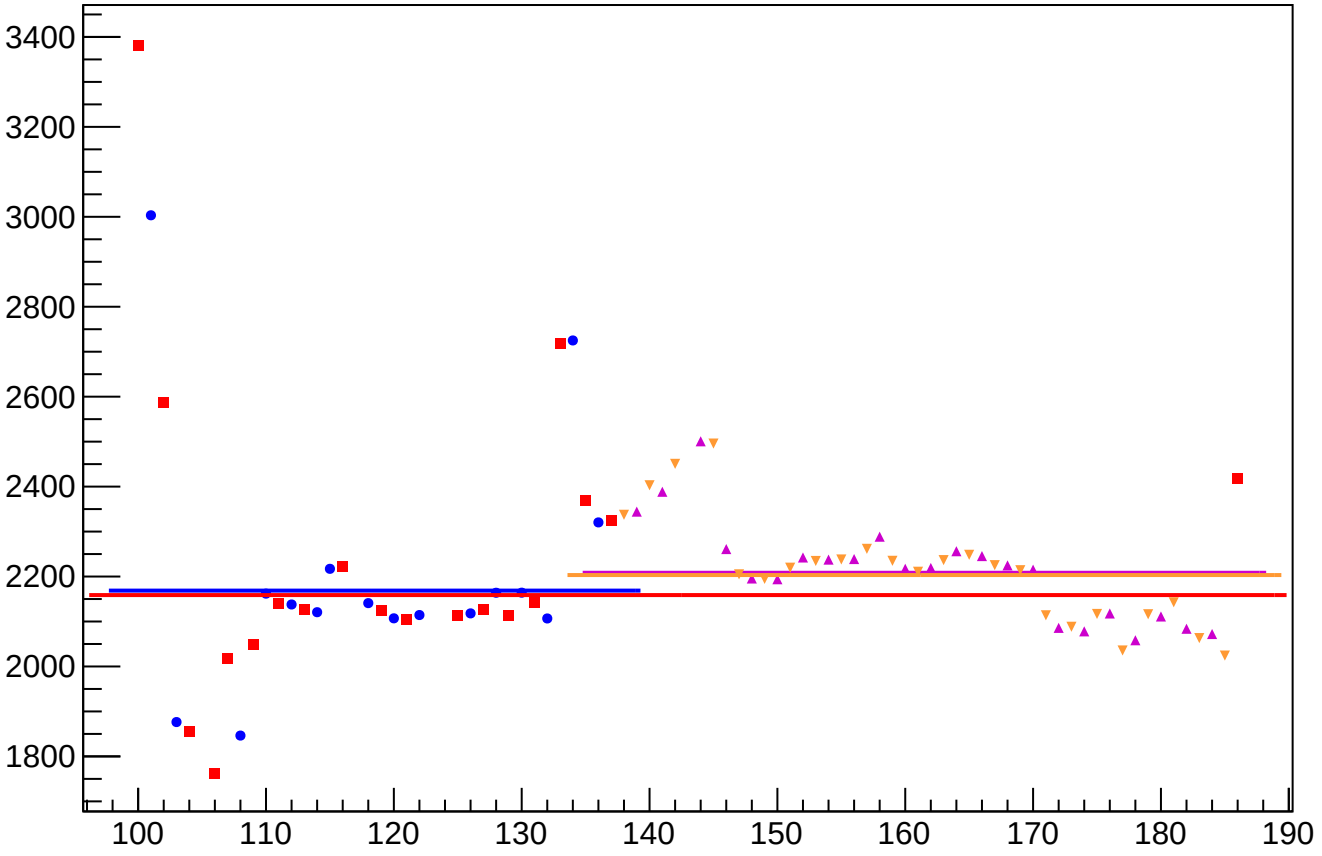
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3467.171+/-433.186 χ^2/NDF: 44.5/39

All: -623.323+/-305.994 χ^2/NDF: 253.9/81

- sign -4697.022+/-432.296 χ^2/NDF: 31.4/41

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

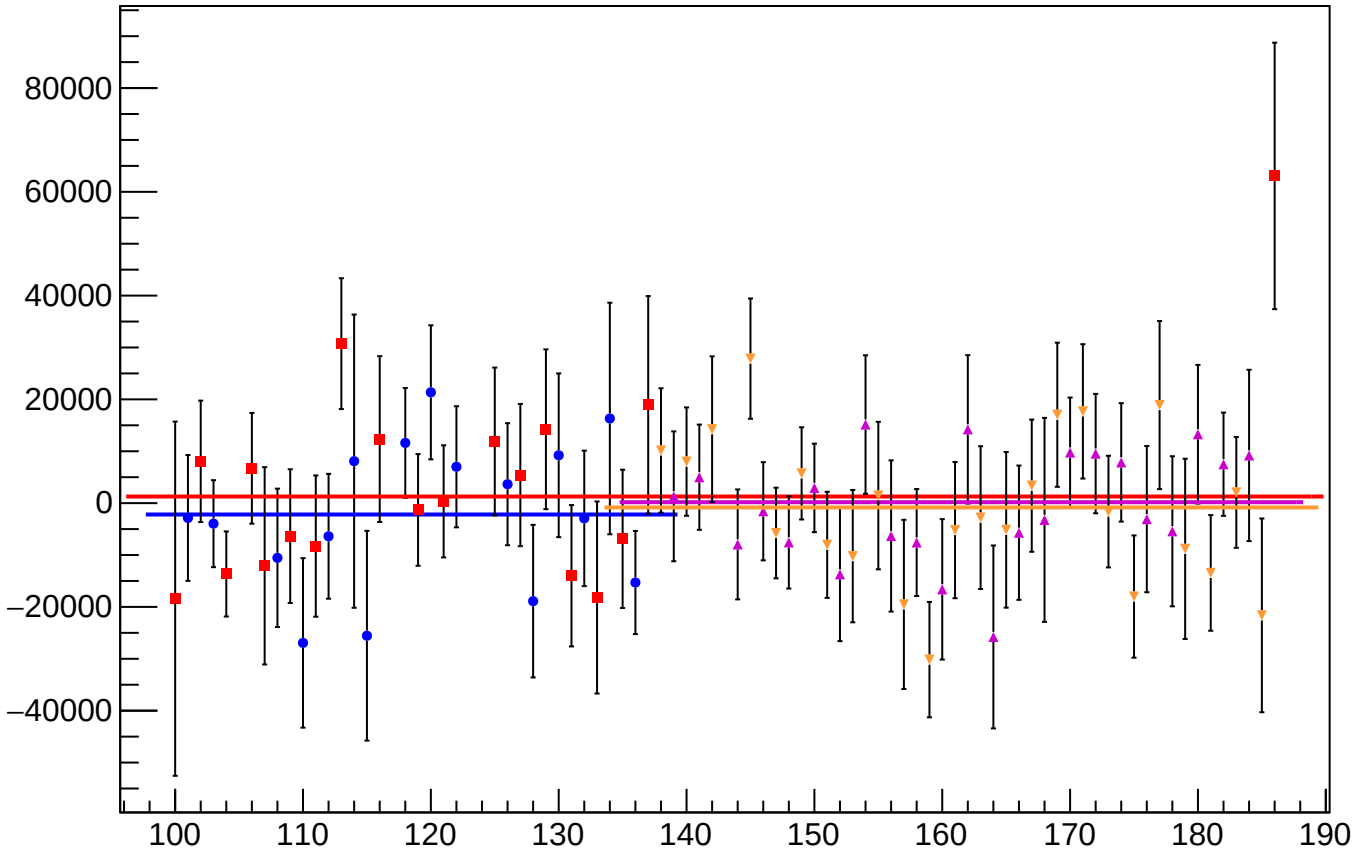
Right Out: 2158.774+/-0.557 χ^2/NDF: 167692.4/18

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2193.468+/-0.306 χ^2/NDF: 286461.2/39

All: 2193.464+/-0.216 χ^2/NDF: 540701.7/81

- sign 2193.461+/-0.305 χ^2/NDF: 254240.6/41



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

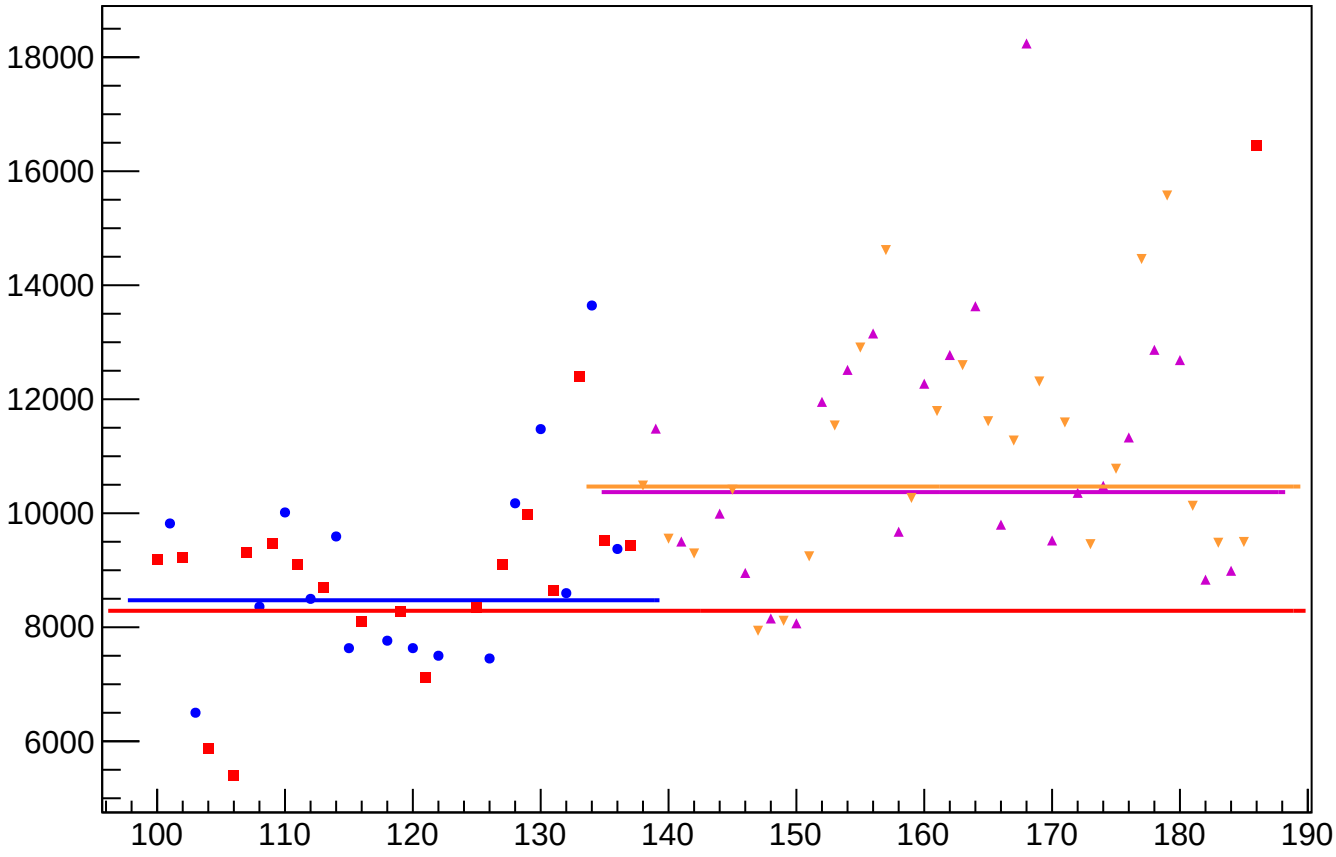
Right Out: 1279.674+/-3077.610 χ^2/NDF: 22.2/18

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -1340.899+/-1962.911 χ^2/NDF: 44.0/39

All: -346.113+/-1375.082 χ^2/NDF: 80.5/81

- sign 612.515+/-1926.907 χ^2/NDF: 36.0/41



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

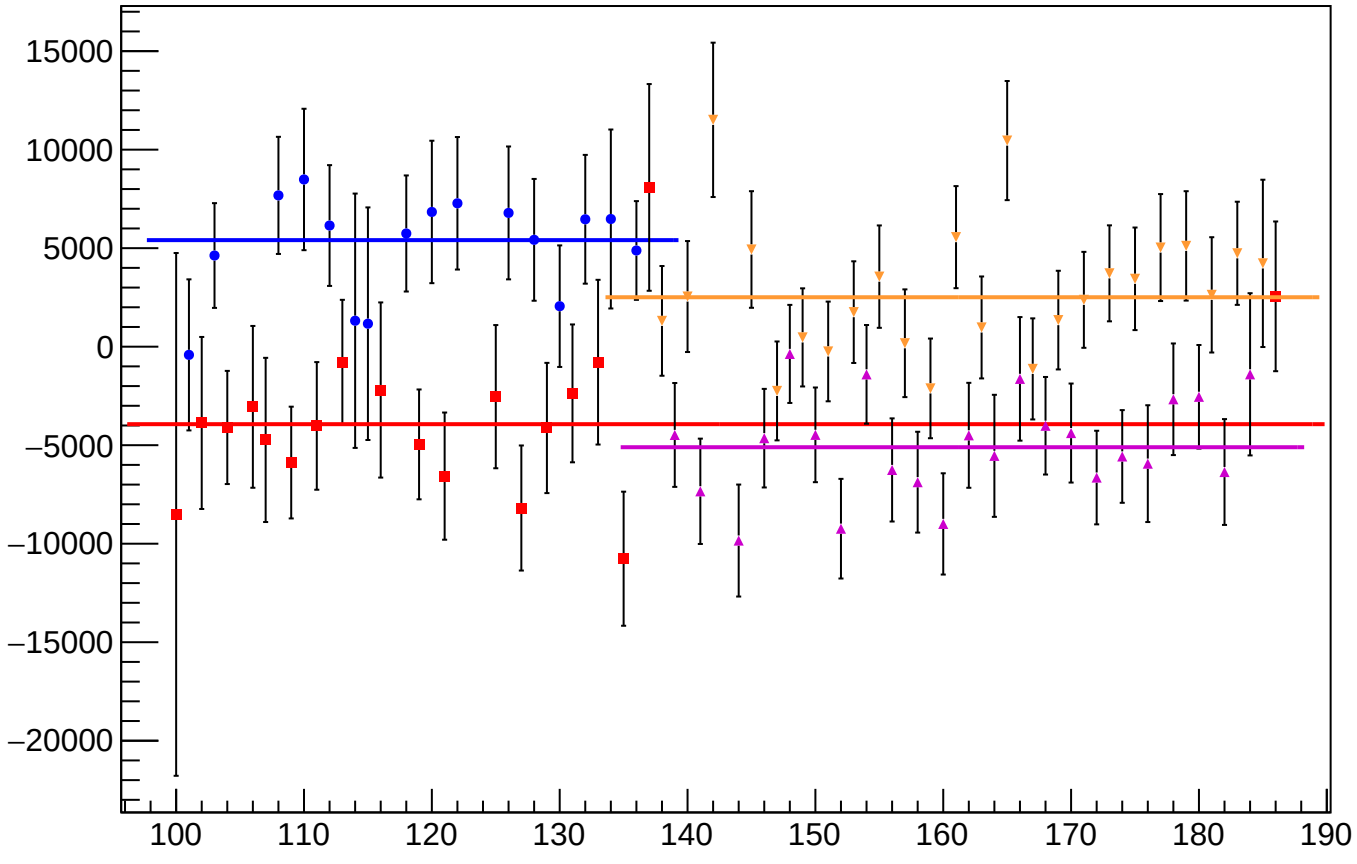
Right Out: 8288.873+/-2.176 χ^2/NDF: 744584.0/18

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9722.023+/-1.388 χ^2/NDF: 1958599.1/39

All: 9636.824+/-0.972 χ^2/NDF: 4470849.5/81

- sign 9554.721+/-1.363 χ^2/NDF: 2504851.5/41



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -3933.310+/-819.579 χ^2/NDF: 17.5/18

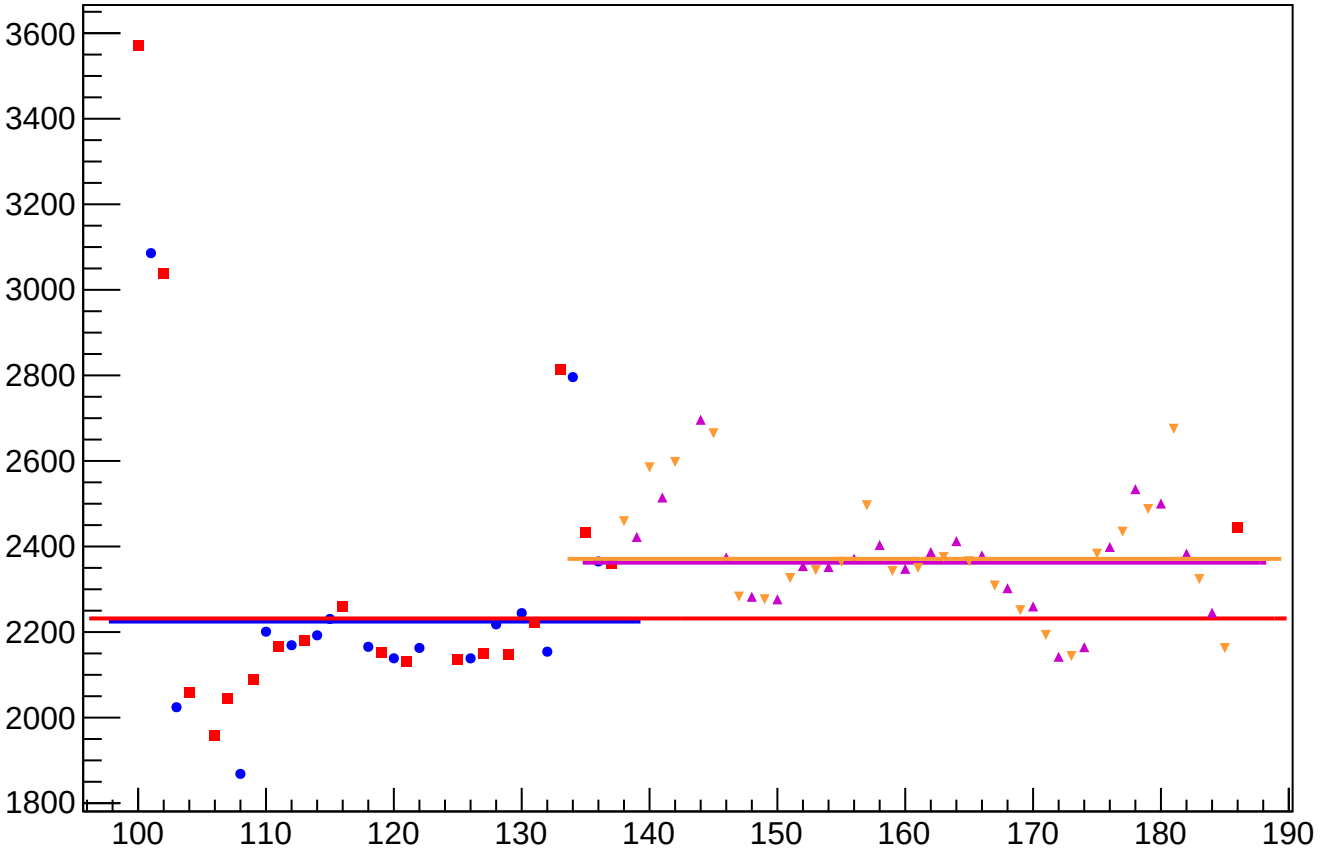
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3391.620+/-460.024 χ^2/NDF: 44.9/39

All: -689.317+/-324.629 χ^2/NDF: 240.5/81

- sign -4737.446+/-458.171 χ^2/NDF: 38.8/41

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

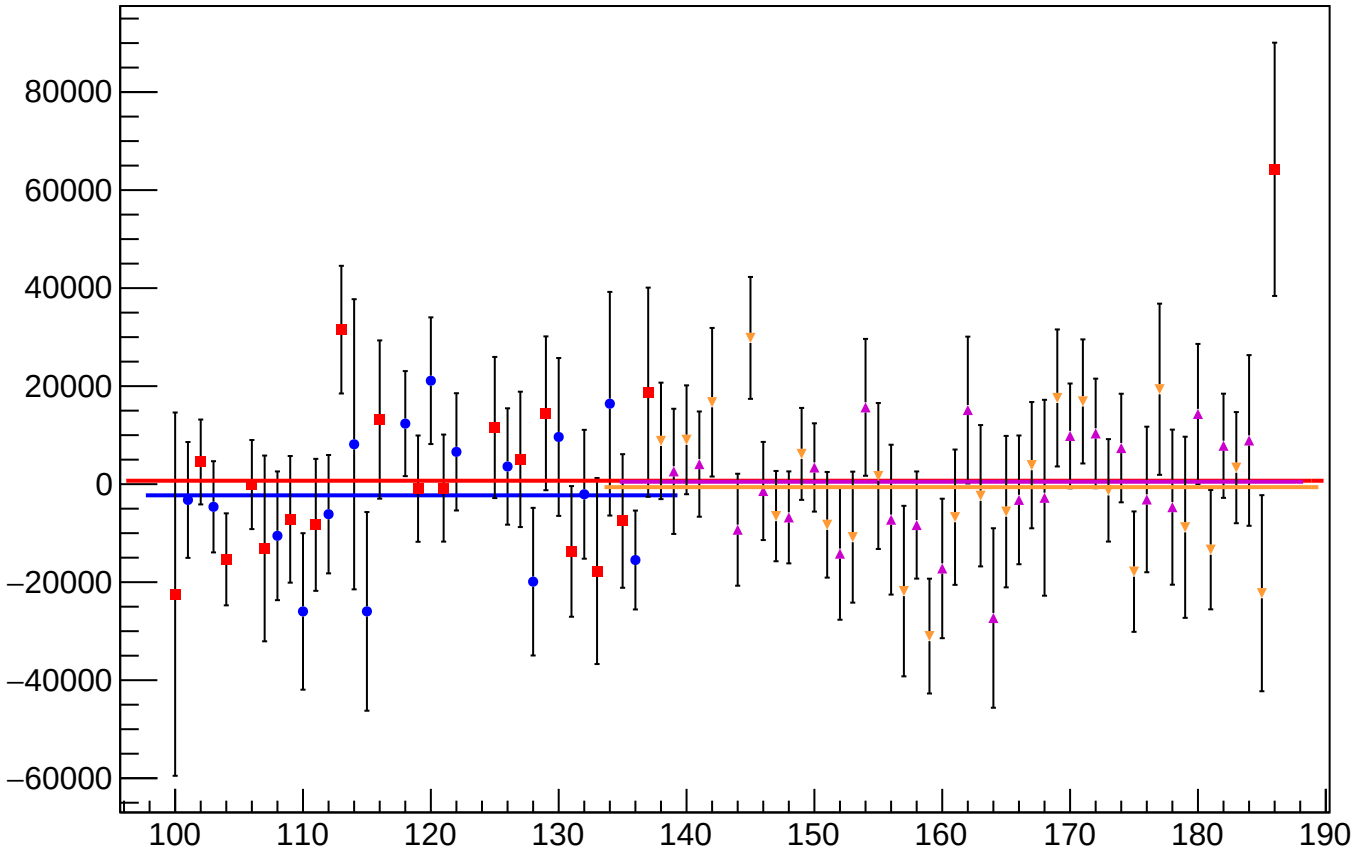
Right Out: 2231.779+/-0.579 χ^2/NDF: 176501.3/18

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2326.524+/-0.325 χ^2/NDF: 343944.3/39

All: 2323.961+/-0.230 χ^2/NDF: 647321.9/81

- sign 2321.420+/-0.324 χ^2/NDF: 303254.1/41



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

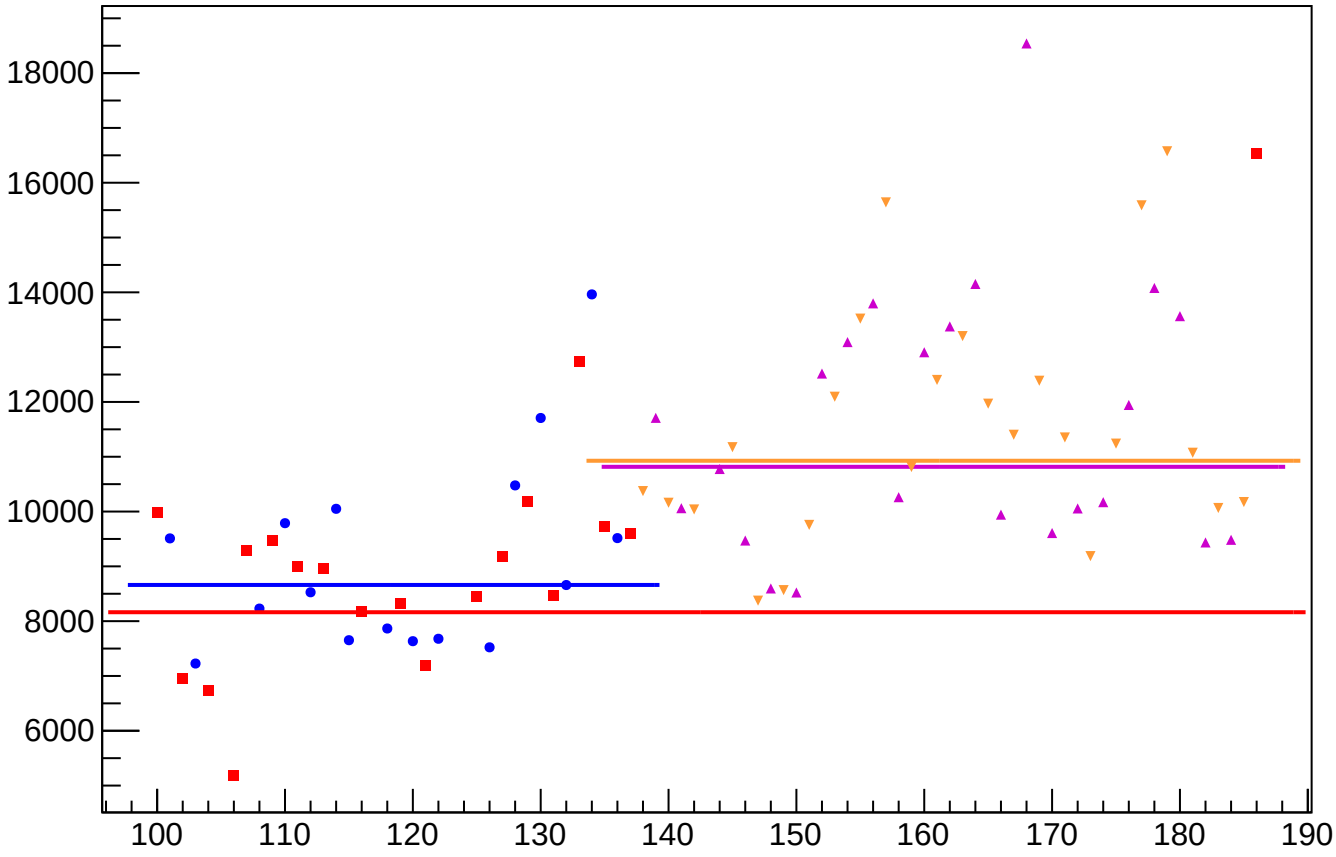
Right Out: 699.819+/-3014.627 χ^2/NDF: 21.8/18

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -1251.682+/-2030.681 χ^2/NDF: 43.5/39

All: -303.625+/-1409.857 χ^2/NDF: 79.3/81

- sign 578.622+/-1958.933 χ^2/NDF: 35.3/41



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

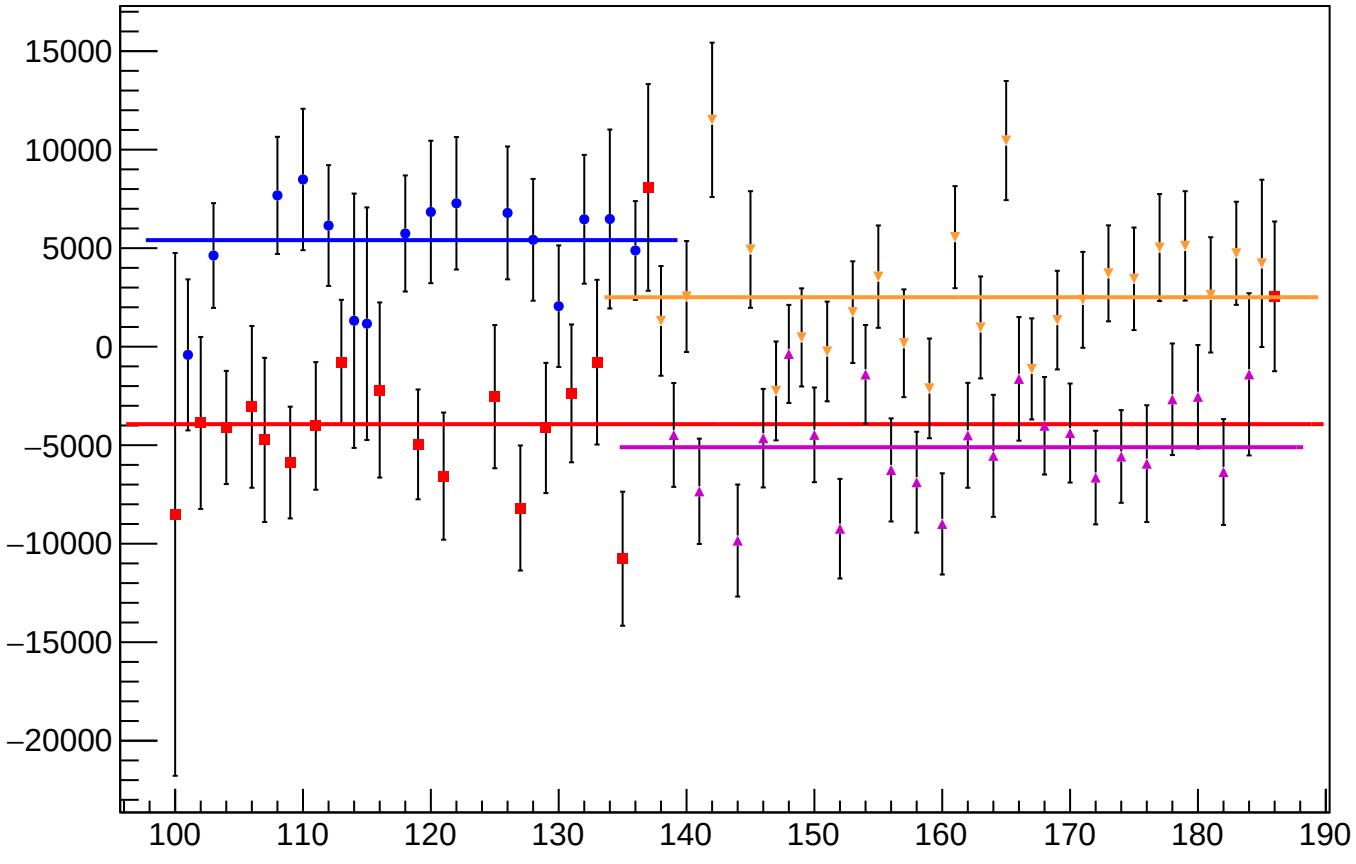
Right Out: 8163.031+/-2.132 χ^2/NDF: 771576.0/18

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10053.874+/-1.436 χ^2/NDF: 2005153.6/39

All: 9868.484+/-0.997 χ^2/NDF: 4900829.3/81

- sign 9695.963+/-1.385 χ^2/NDF: 2863494.1/41



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -3933.320+/-819.578 χ^2/NDF: 17.5/18

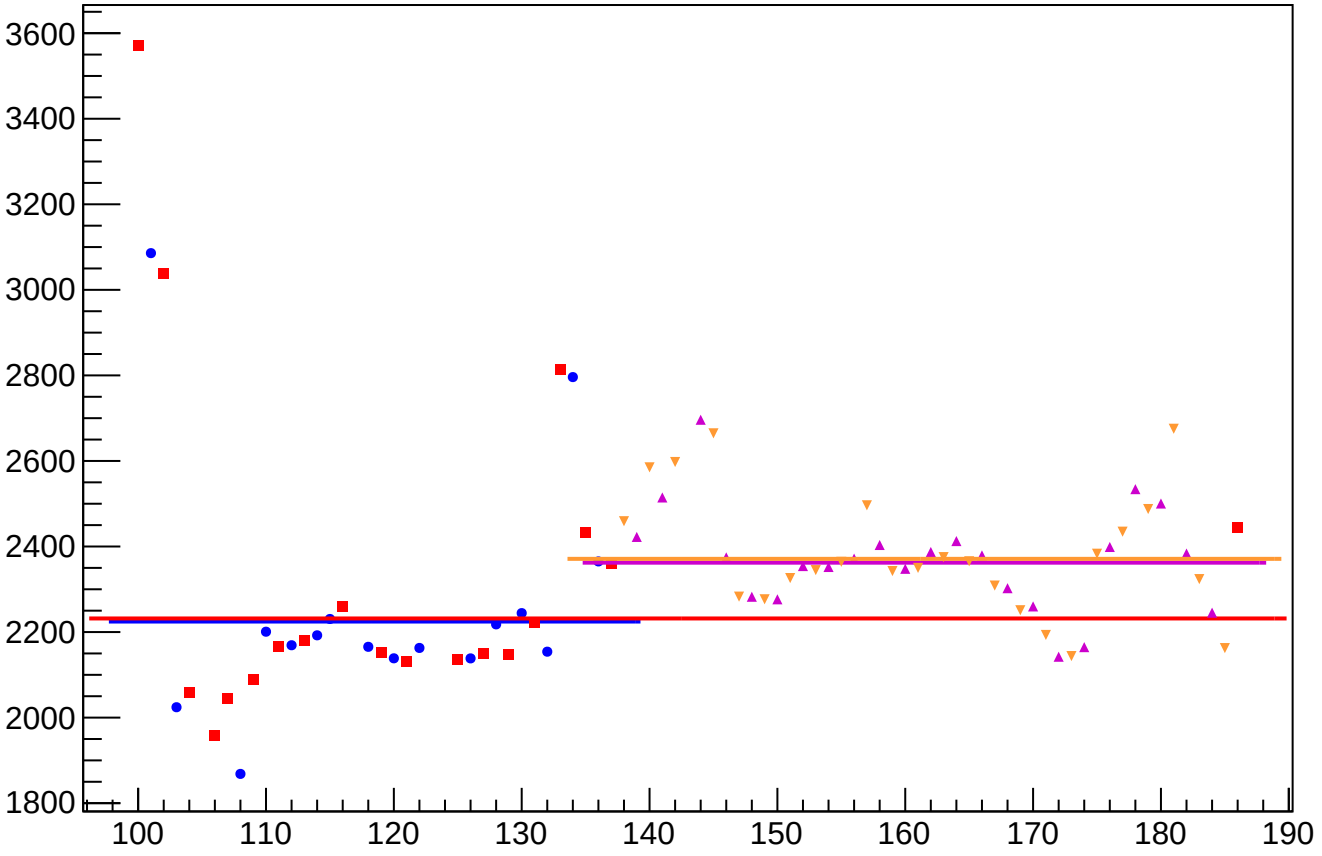
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3391.614+/-460.025 χ^2/NDF: 44.9/39

All: -689.322+/-324.630 χ^2/NDF: 240.5/81

- sign -4737.450+/-458.172 χ^2/NDF: 38.8/41

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

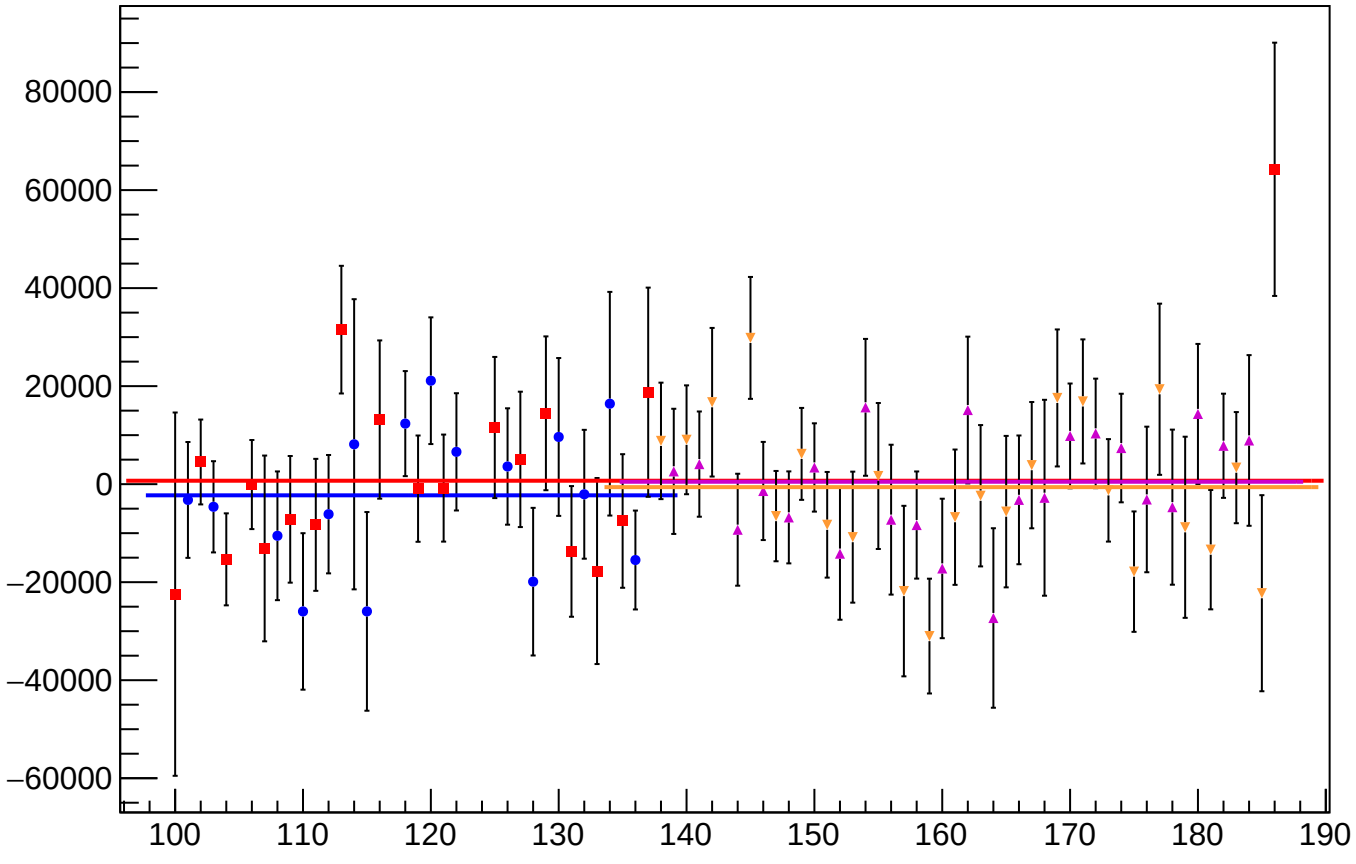
Right Out: 2231.778+/-0.579 χ^2/NDF: 176501.2/18

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2326.526+/-0.325 χ^2/NDF: 343951.1/39

All: 2323.963+/-0.230 χ^2/NDF: 647335.4/81

- sign 2321.422+/-0.324 χ^2/NDF: 303260.7/41



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

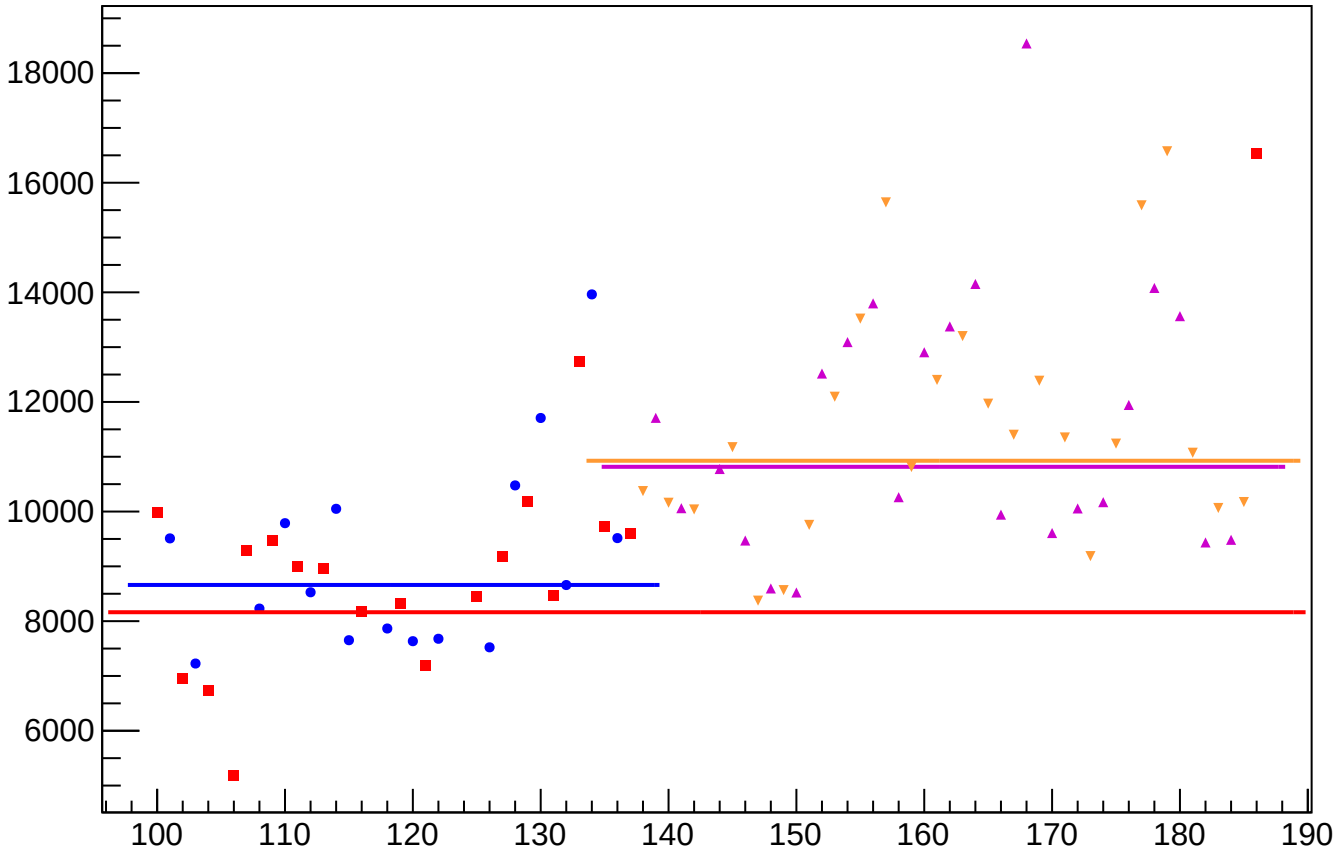
Right Out: 699.810+/-3014.620 χ^2/NDF: 21.8/18

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign -1251.681+/-2030.681 χ^2/NDF: 43.5/39

All: -303.626+/-1409.857 χ^2/NDF: 79.3/81

- sign 578.620+/-1958.933 χ^2/NDF: 35.3/41



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

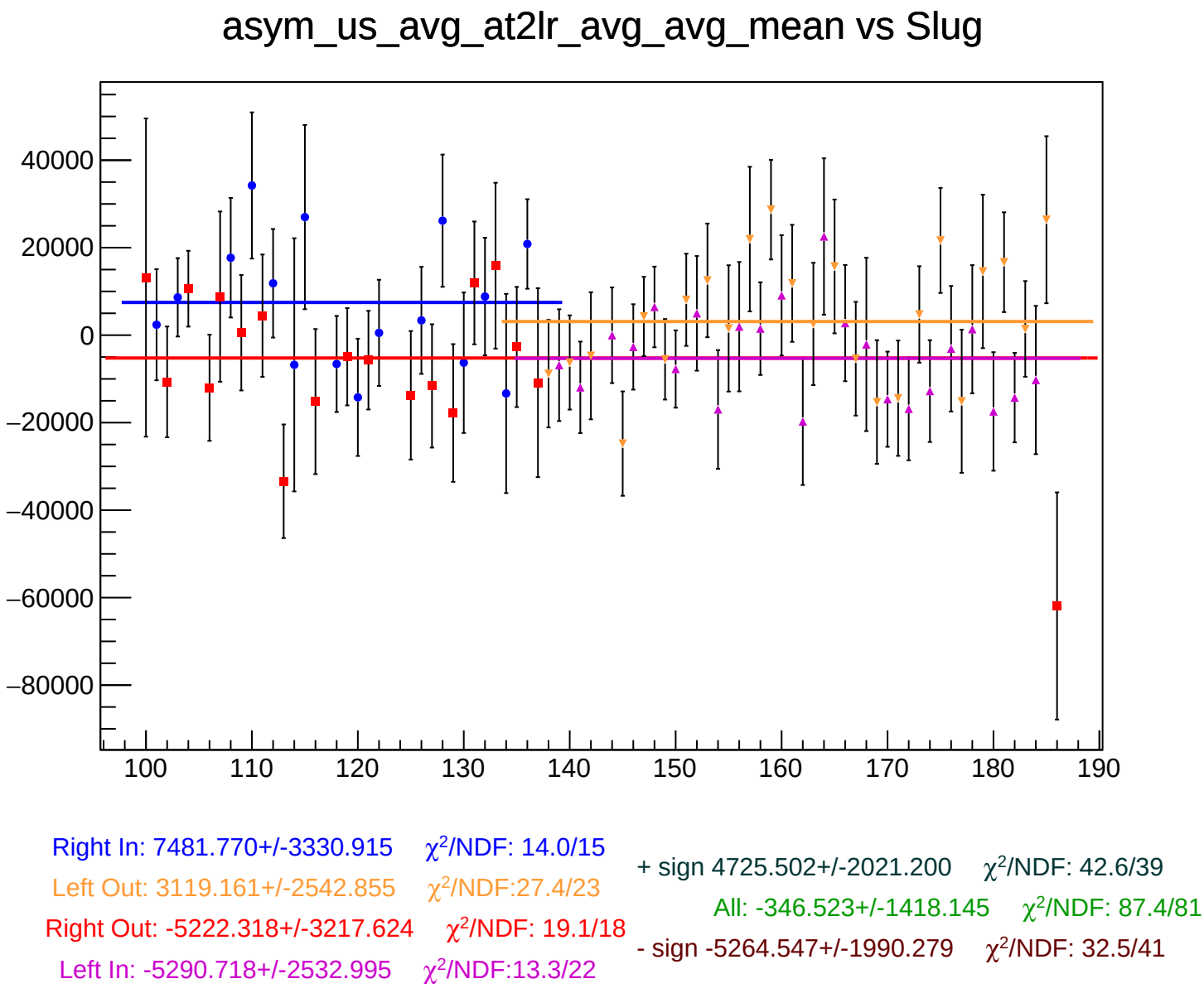
Right Out: 8163.013+/-2.132 χ^2/NDF: 771574.8/18

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

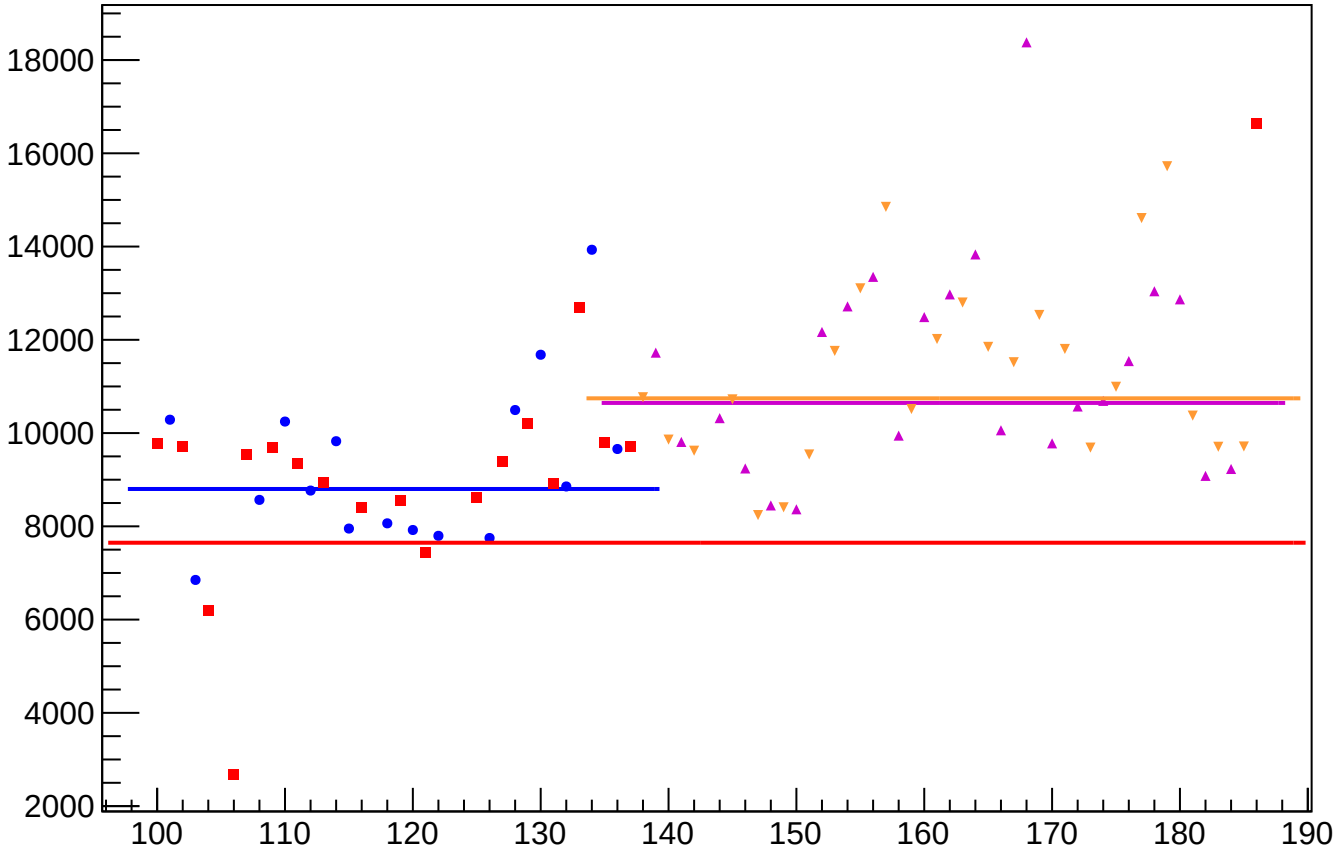
+ sign 10053.872+/-1.436 χ^2/NDF: 2005179.5/39

All: 9868.482+/-0.997 χ^2/NDF: 4900882.4/81

- sign 9695.960+/-1.385 χ^2/NDF: 2863521.1/41


asym_us_avg_at2lr_avg_avg_mean vs Slug
40000
20000
0
−20000
−40000
−60000
−80000
100
110
120
130
140
150
160
170
180
190
Right In: 7481.770+/-3330.915 χ²/NDF: 14.0/15
Left Out: 3119.161+/-2542.855 χ²/NDF:27.4/23
Right Out: -5222.318+/-3217.624 χ²/NDF: 19.1/18
Left In: -5290.718+/-2532.995 χ²/NDF:13.3/22
+ sign 4725.502+/-2021.200 χ²/NDF: 42.6/39
All: -346.523+/-1418.145 χ²/NDF: 87.4/81
- sign -5264.547+/-1990.279 χ²/NDF: 32.5/41

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

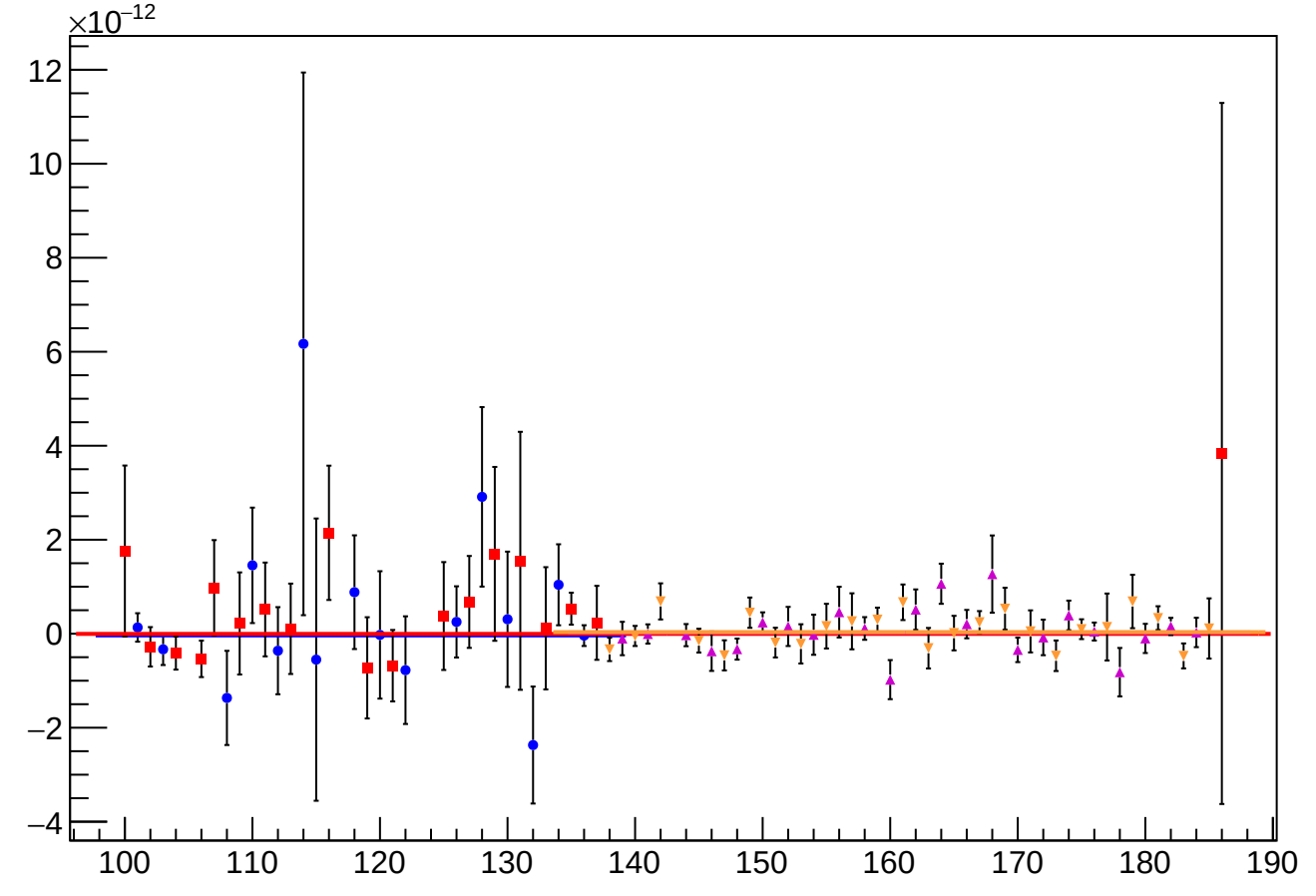
Right Out: 7648.502+/-2.114 χ^2/NDF: 1899830.0/18

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

\+ sign 10029.433+/-1.429 χ^2/NDF: 1789711.5/39

All: 9697.399+/-0.988 χ^2/NDF: 6077567.8/81

\- sign 9393.814+/-1.367 χ^2/NDF: 4184534.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

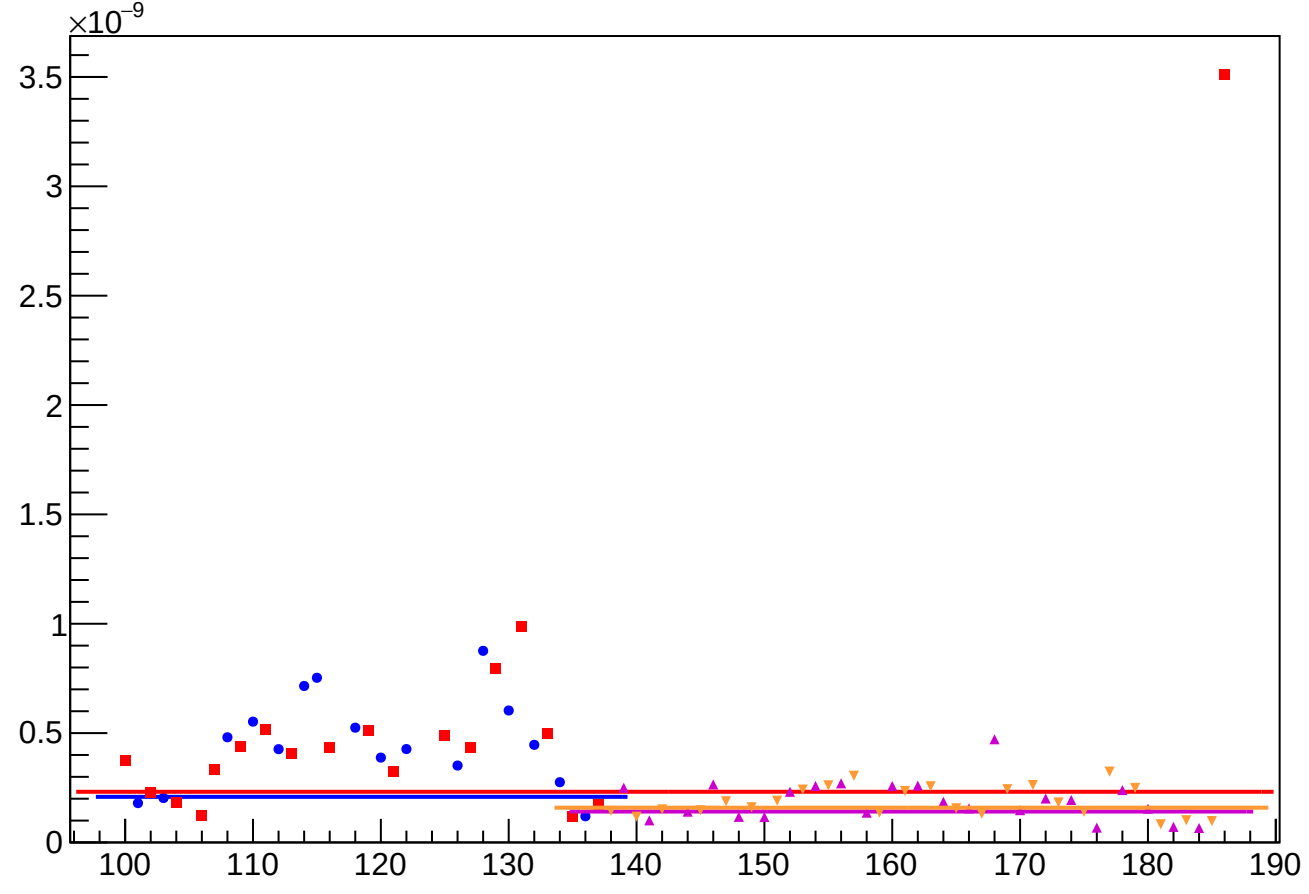
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.8/39

All: 0.000+/-0.000 χ^2/NDF: 82.7/81

- sign 0.000+/-0.000 χ^2/NDF: 41.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

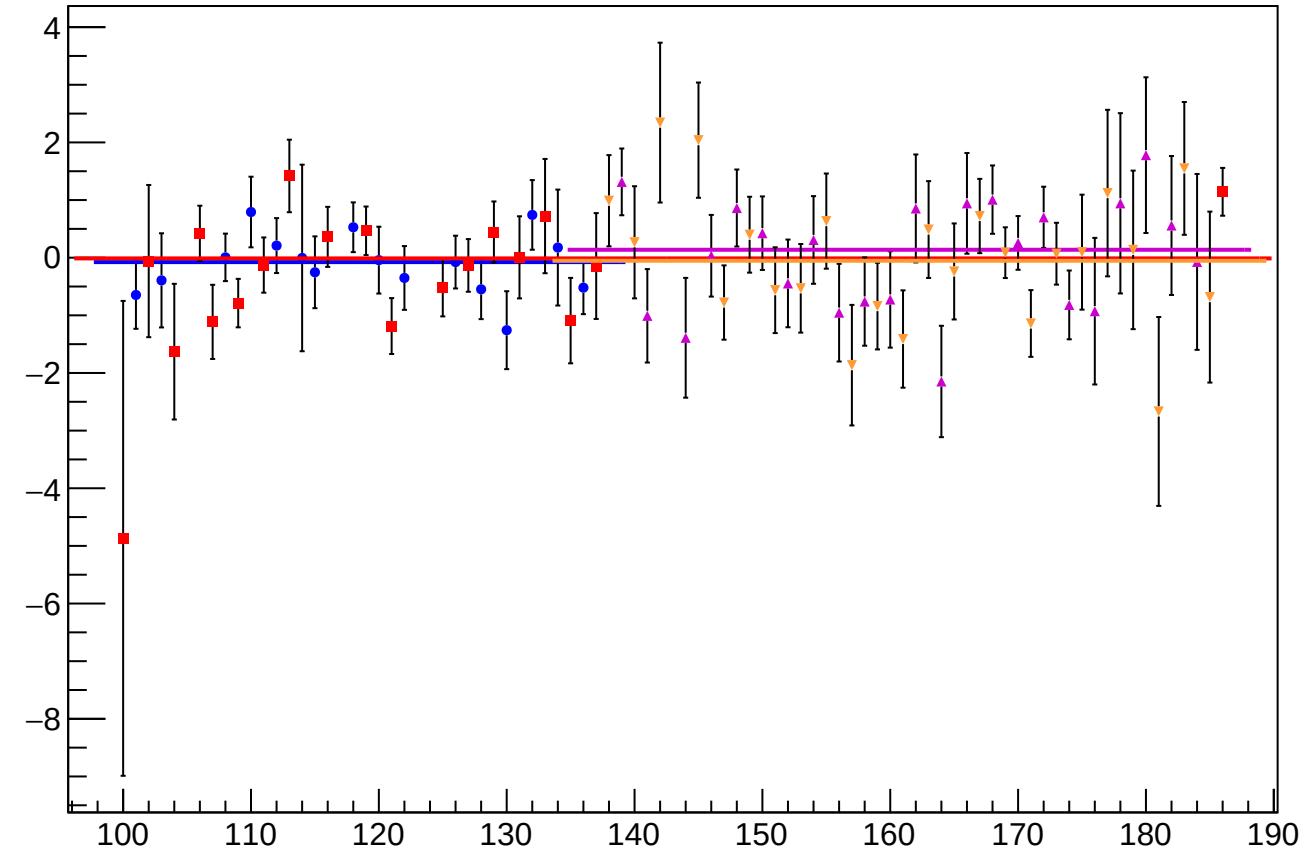
Right Out: 0.000+/-0.000 χ^2/NDF: 1948048.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3131138.4/39

All: 0.000+/-0.000 χ^2/NDF: 8118768.6/81

- sign 0.000+/-0.000 χ^2/NDF: 4924916.2/41



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

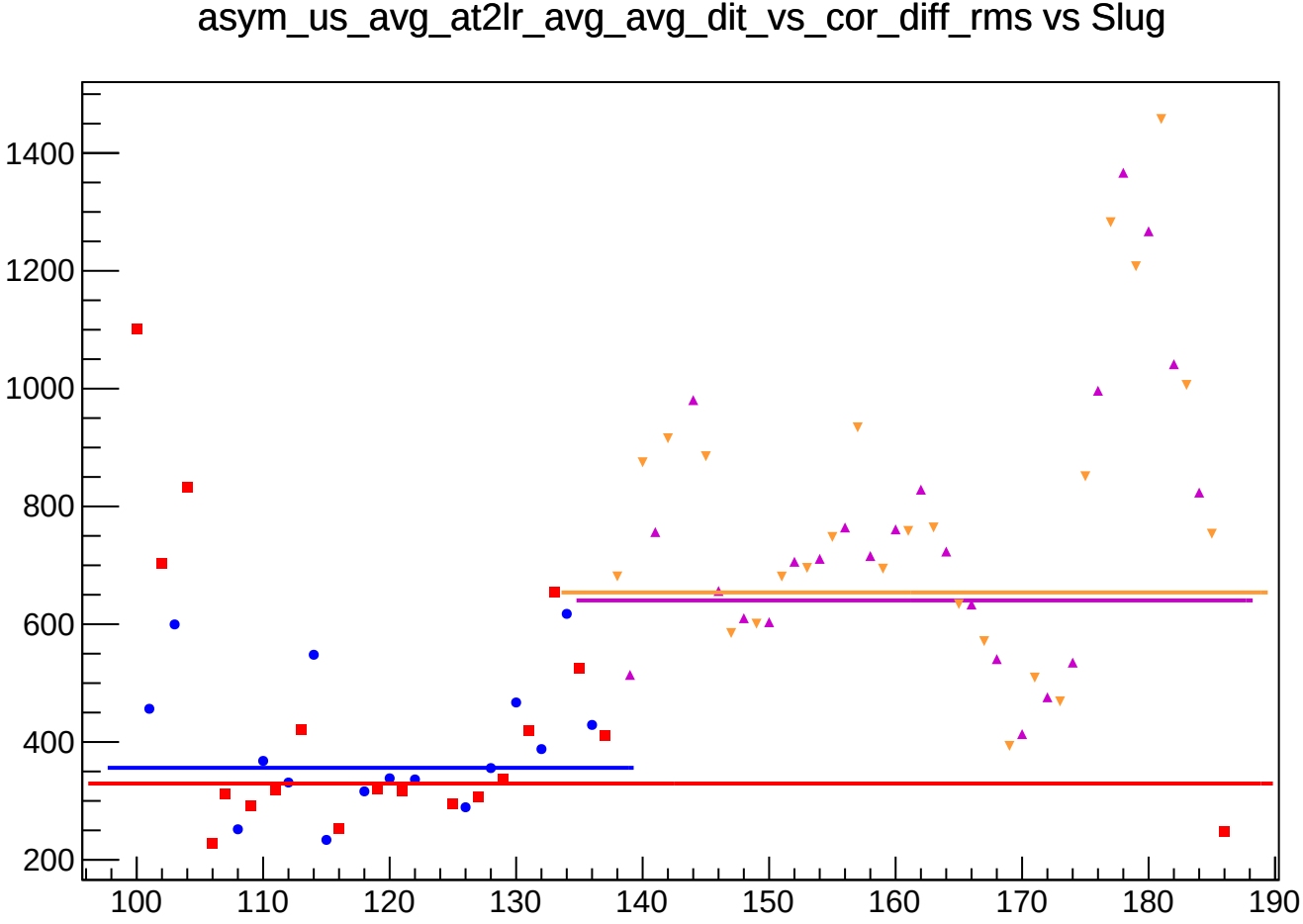
Right Out: -0.012+/-0.131 χ^2/NDF: 35.6/18

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.067+/-0.106 χ^2/NDF: 42.7/39

All: -0.006+/-0.073 χ^2/NDF: 109.4/81

- sign 0.049+/-0.101 χ^2/NDF: 66.1/41


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug
1400
1200
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150
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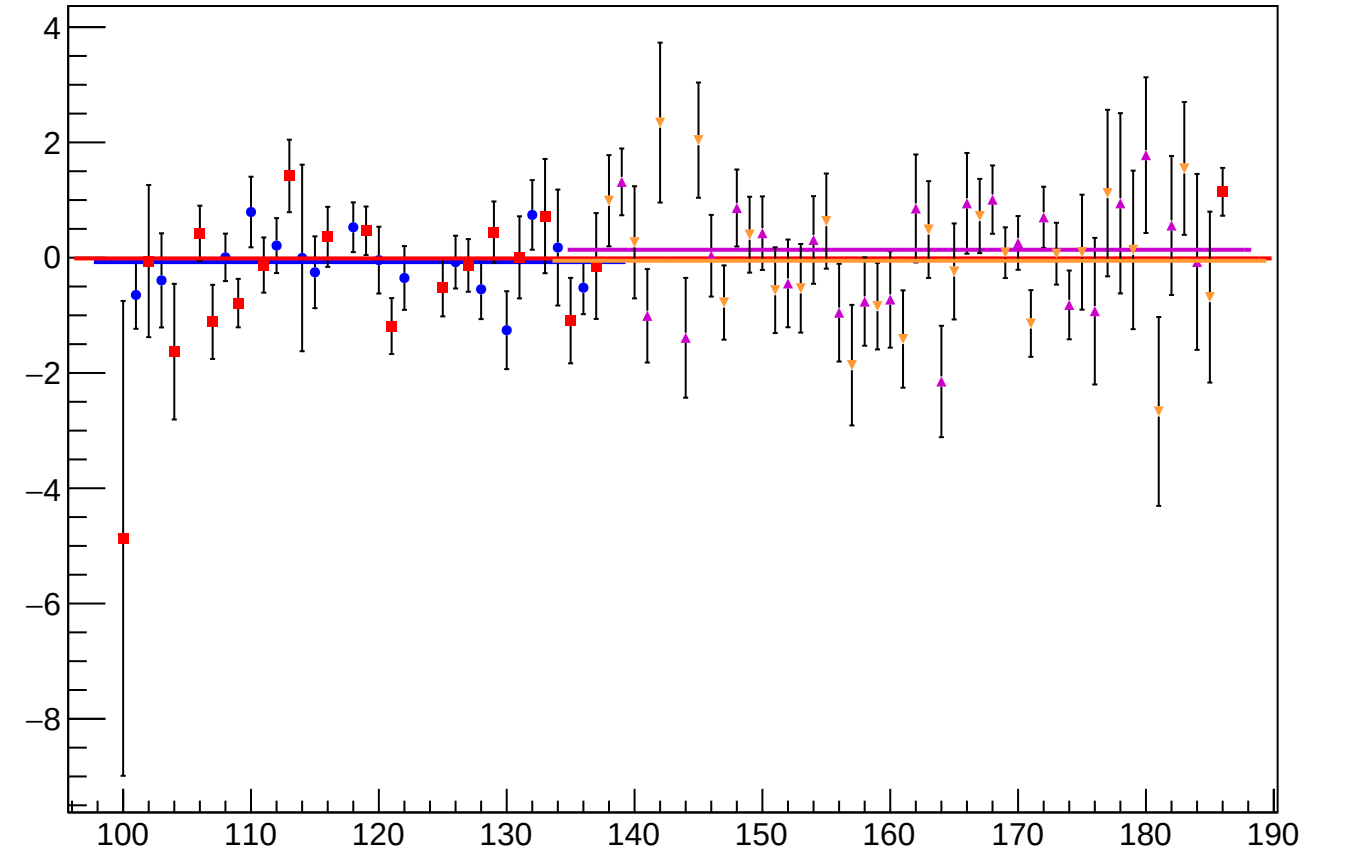
170
180
190
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 329.475+/-0.093 χ²/NDF: 1287427.3/18
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 483.989+/-0.075 χ²/NDF: 7797826.8/39
All: 469.415+/-0.052 χ²/NDF: 16402539.9/81
- sign 456.167+/-0.071 χ²/NDF: 8532125.2/41



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

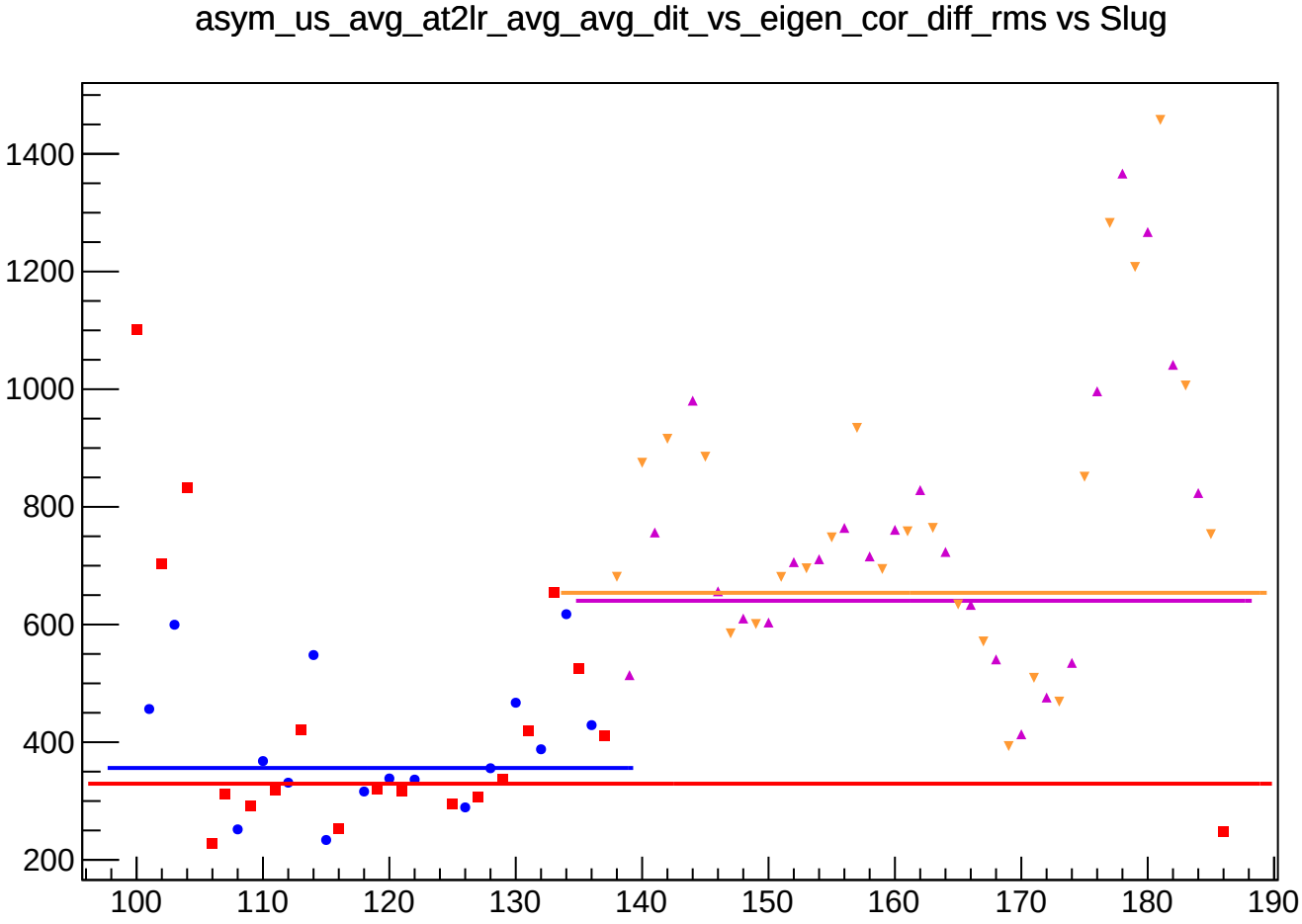
Right Out: -0.012+/-0.131 χ^2/NDF: 35.6/18

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.067+/-0.106 χ^2/NDF: 42.7/39

All: -0.006+/-0.073 χ^2/NDF: 109.4/81

- sign 0.049+/-0.101 χ^2/NDF: 66.1/41



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

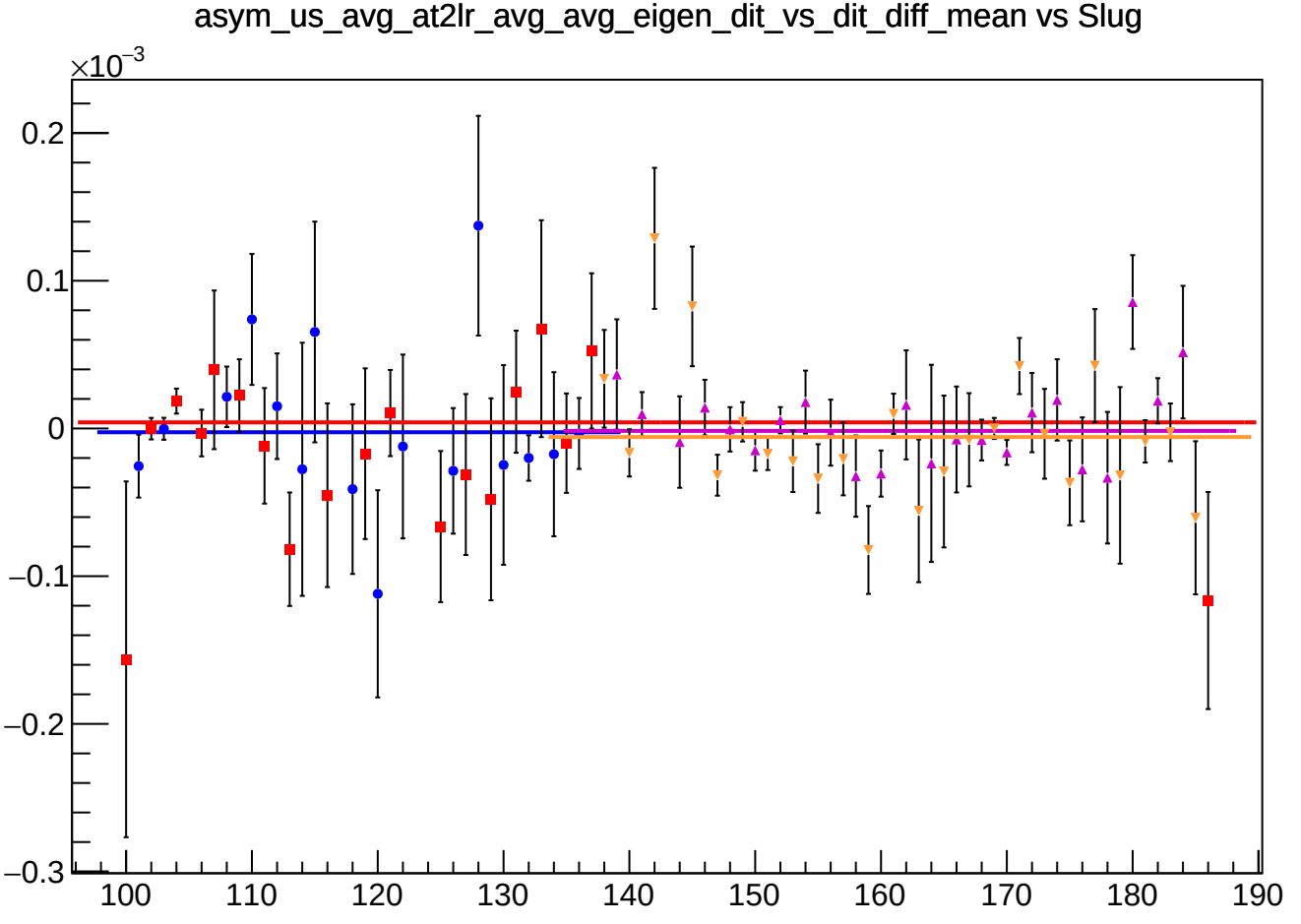
Right Out: 329.475+/-0.093 χ^2/NDF: 1287427.3/18

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 483.989+/-0.075 χ^2/NDF: 7797826.8/39

All: 469.415+/-0.052 χ^2/NDF: 16402539.9/81

- sign 456.167+/-0.071 χ^2/NDF: 8532125.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

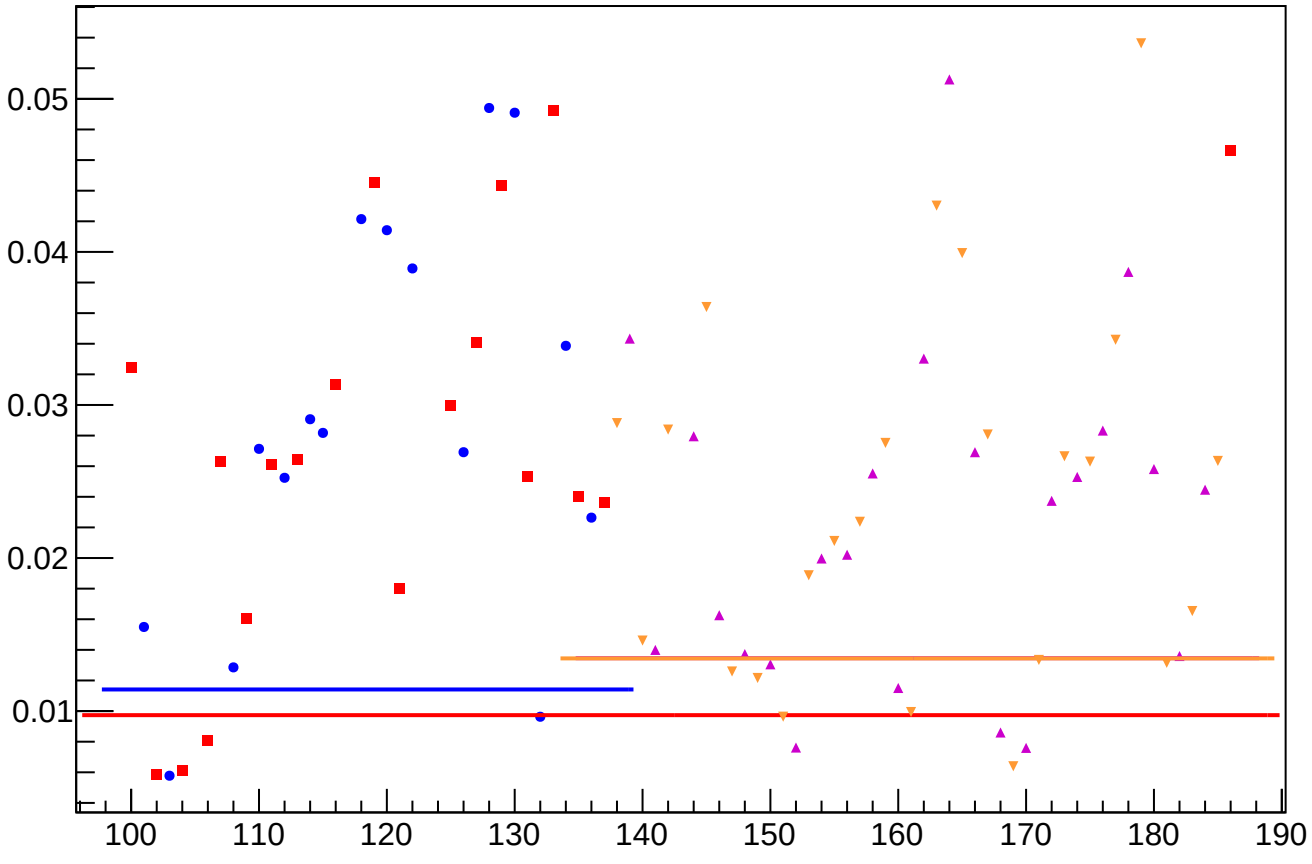
Right Out: 0.000+/-0.000 χ^2/NDF: 19.8/18

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.9/39

All: -0.000+/-0.000 χ^2/NDF: 105.8/81

- sign 0.000+/-0.000 χ^2/NDF: 46.3/41



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

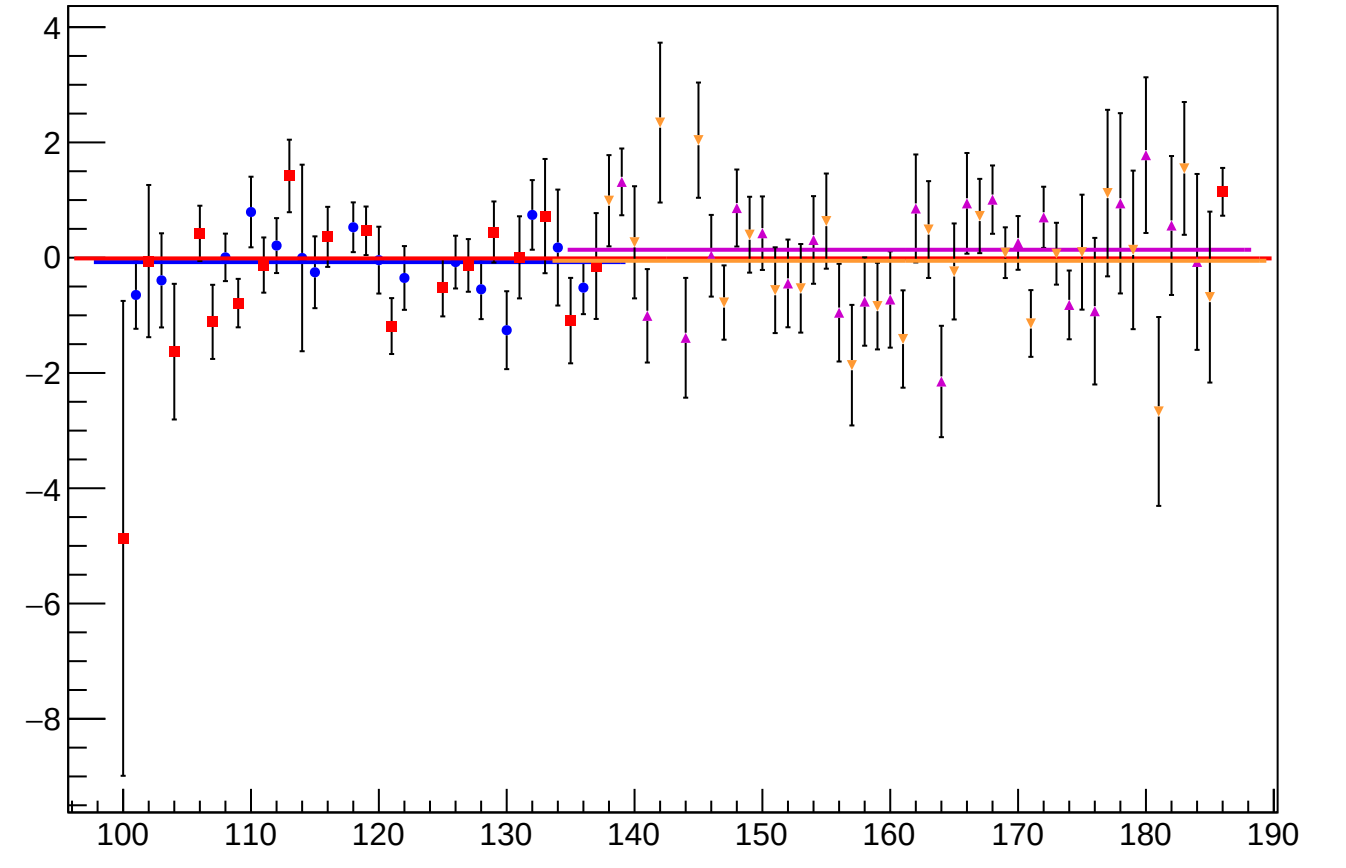
Right Out: 0.010+/-0.000 χ^2/NDF: 6294370.2/18

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.013+/-0.000 χ^2/NDF: 14541105.9/39

All: 0.012+/-0.000 χ^2/NDF: 29220392.9/81

- sign 0.012+/-0.000 χ^2/NDF: 14609459.3/41



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

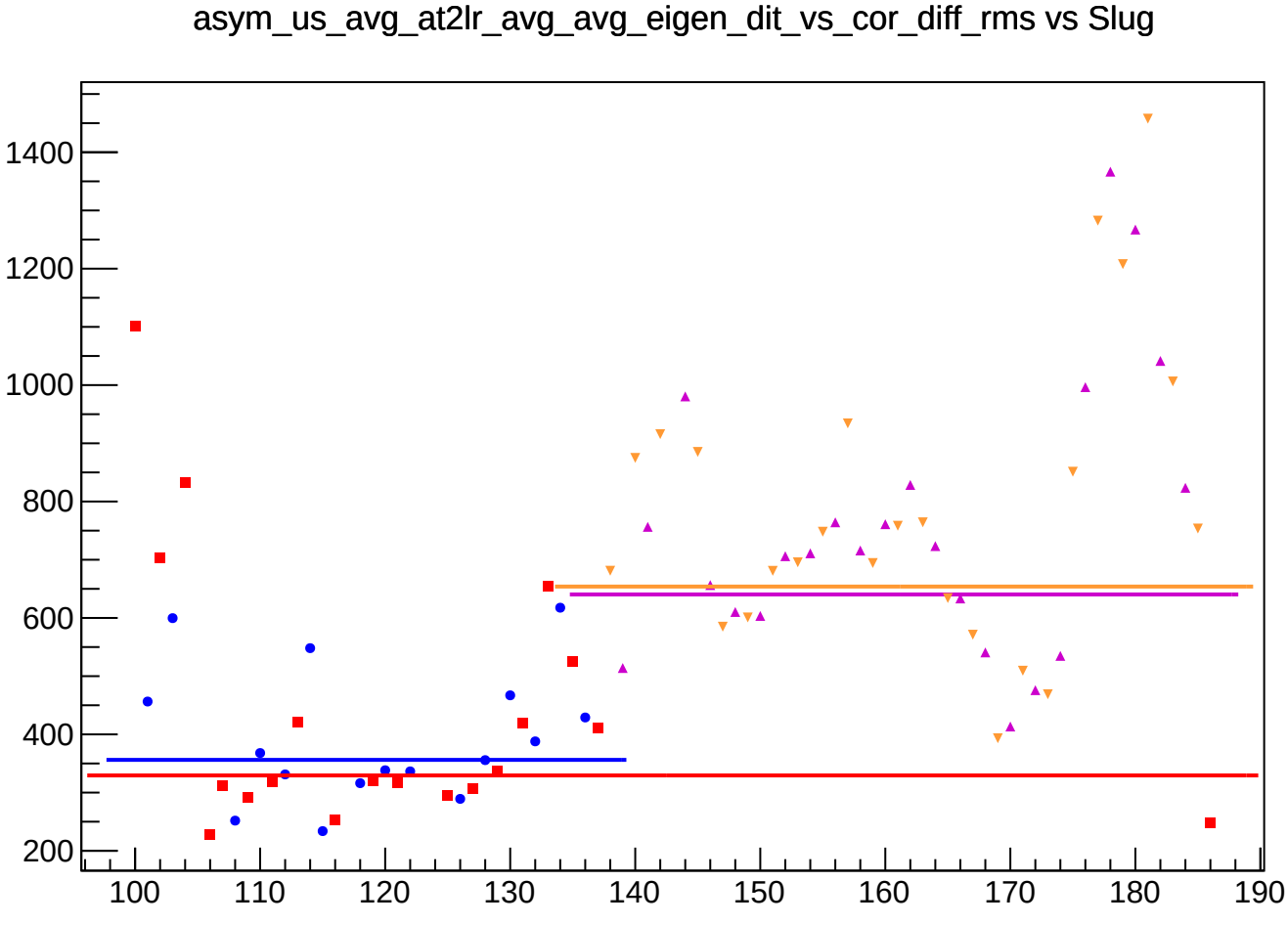
Right Out: -0.012+/-0.131 χ^2/NDF: 35.6/18

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.067+/-0.106 χ^2/NDF: 42.7/39

All: -0.006+/-0.073 χ^2/NDF: 109.4/81

- sign 0.049+/-0.101 χ^2/NDF: 66.1/41


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1400
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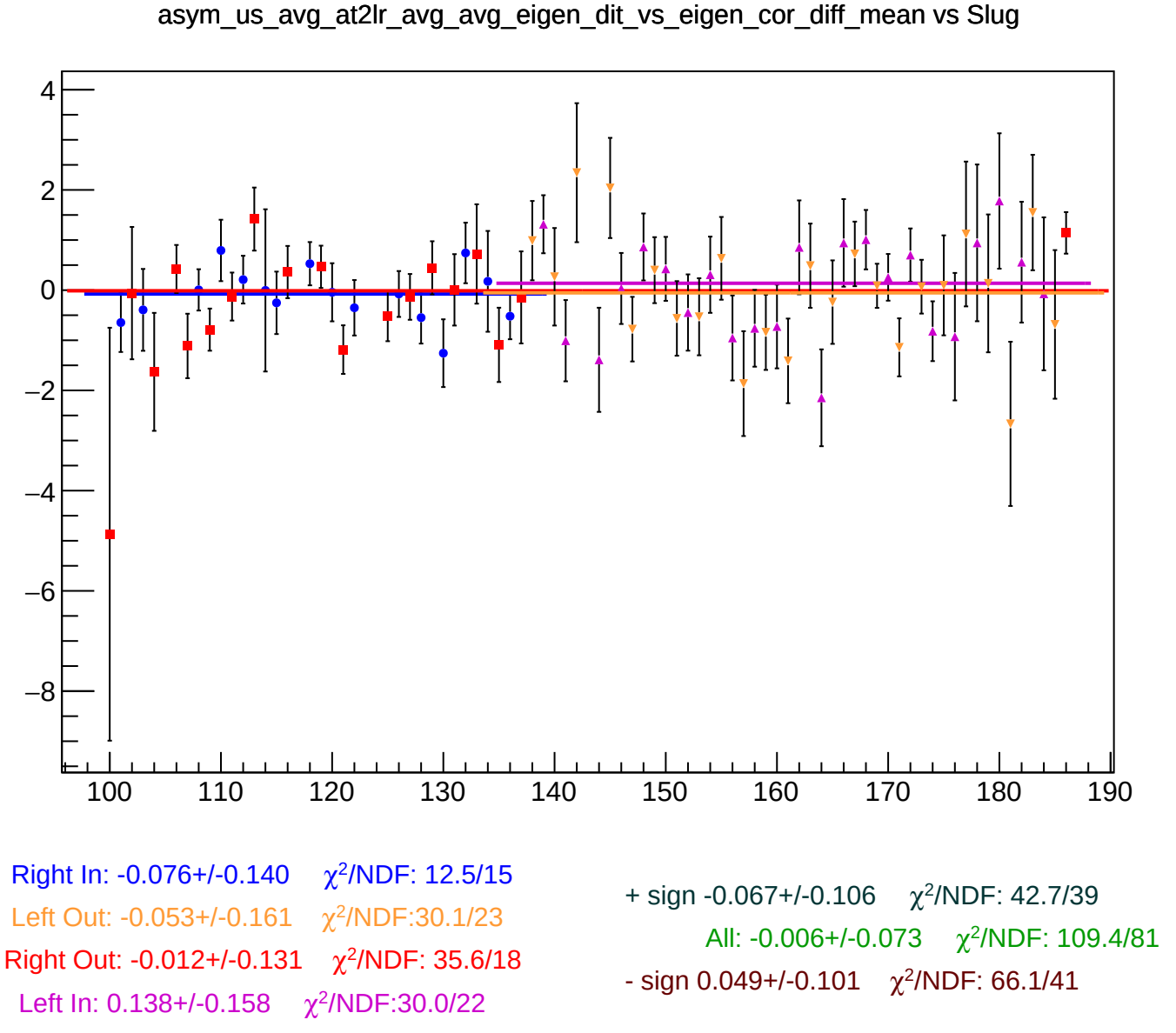
180
190
Right In: 356.188+/-0.099 χ²/NDF: 785072.9/15
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 329.471+/-0.093 χ²/NDF: 1287444.3/18
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 483.987+/-0.075 χ²/NDF: 7798060.8/39
All: 469.412+/-0.052 χ²/NDF: 16403186.2/81
- sign 456.163+/-0.071 χ²/NDF: 8532523.8/41


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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−8
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110
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150
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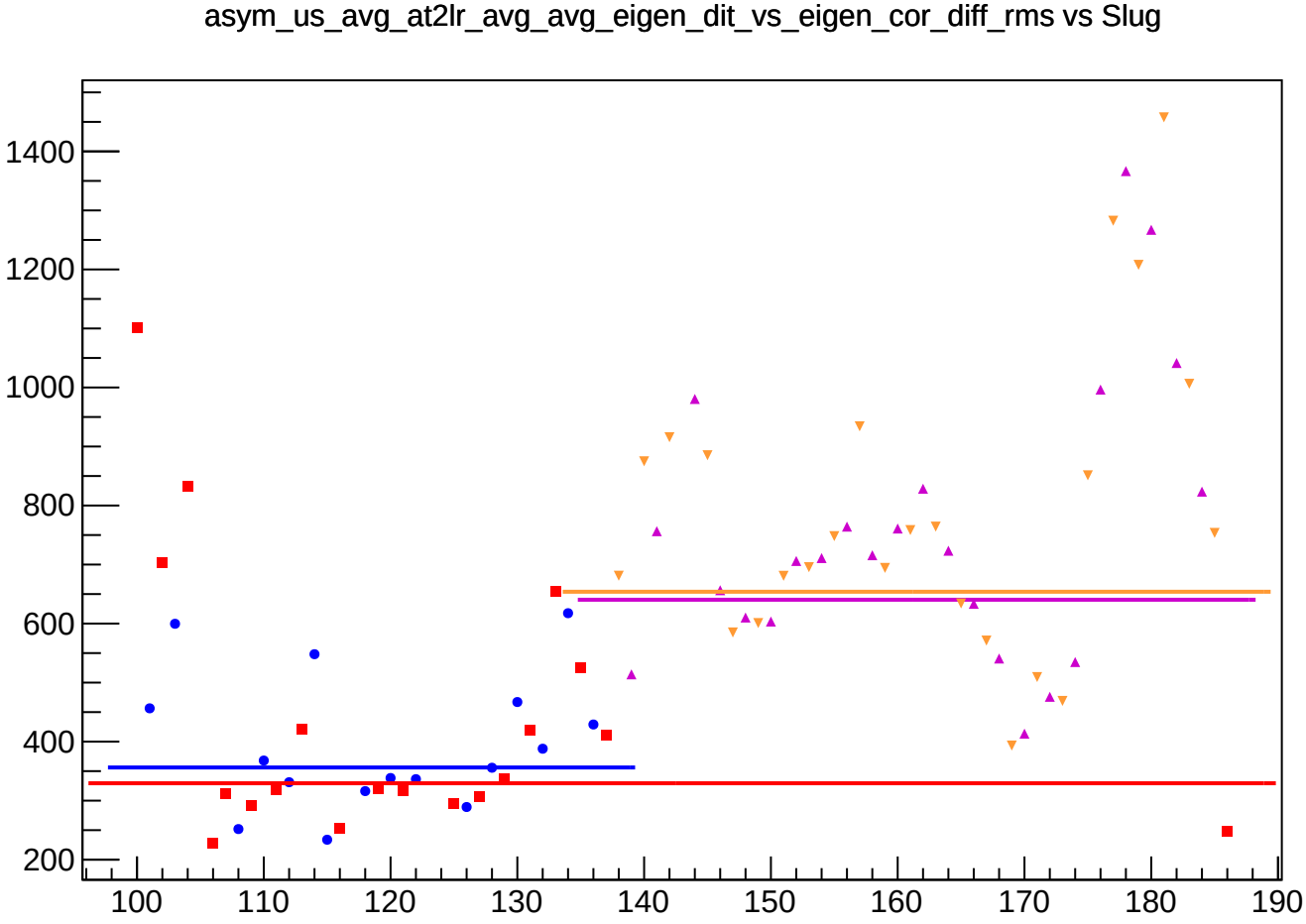
170
180
190
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: -0.053+/-0.161 χ²/NDF:30.1/23
Right Out: -0.012+/-0.131 χ²/NDF: 35.6/18
Left In: 0.138+/-0.158 χ²/NDF:30.0/22
+ sign -0.067+/-0.106 χ²/NDF: 42.7/39
All: -0.006+/-0.073 χ²/NDF: 109.4/81
- sign 0.049+/-0.101 χ²/NDF: 66.1/41



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

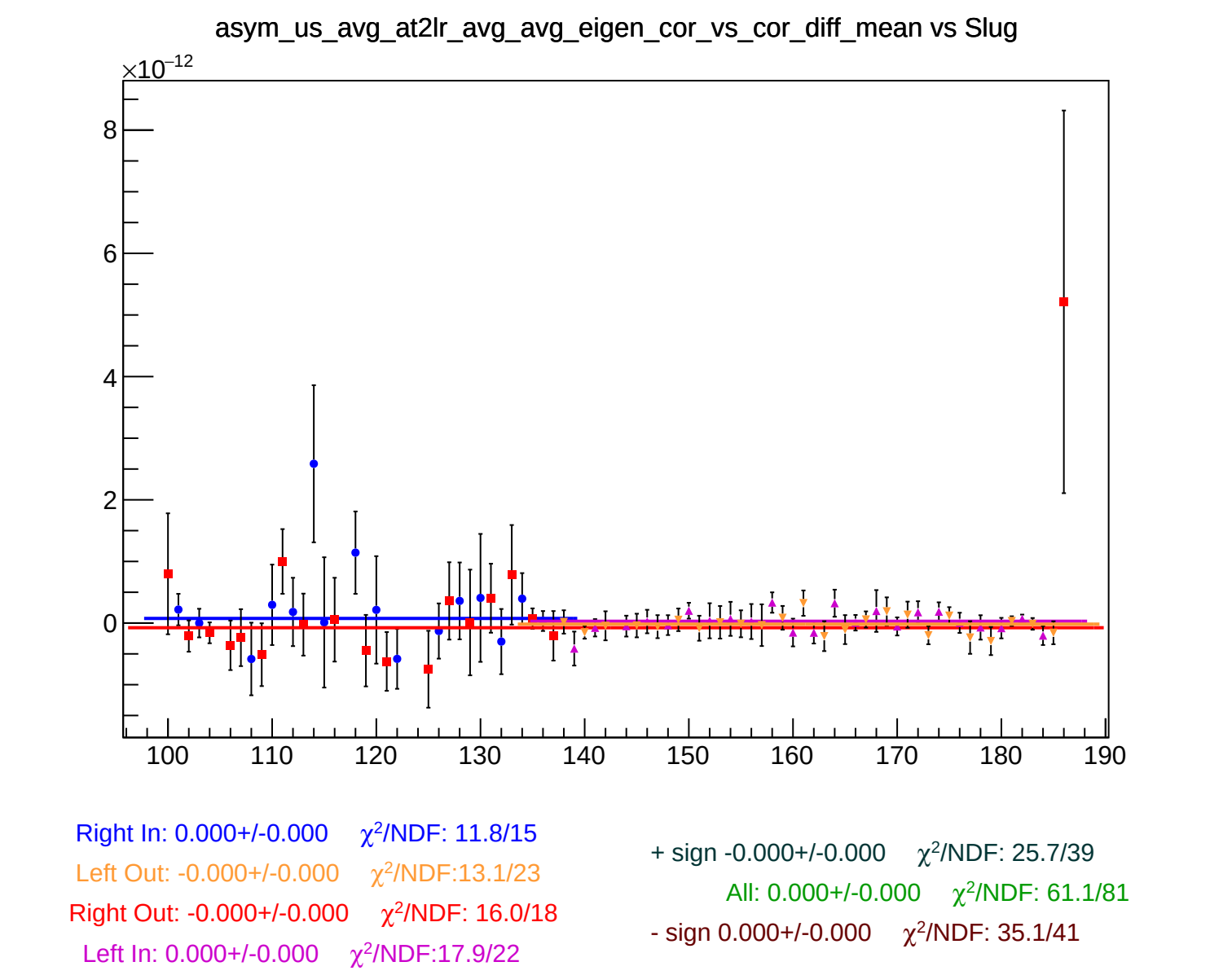
Right Out: 329.471+/-0.093 χ^2/NDF: 1287444.3/18

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 483.987+/-0.075 χ^2/NDF: 7798060.8/39

All: 469.412+/-0.052 χ^2/NDF: 16403186.2/81

- 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
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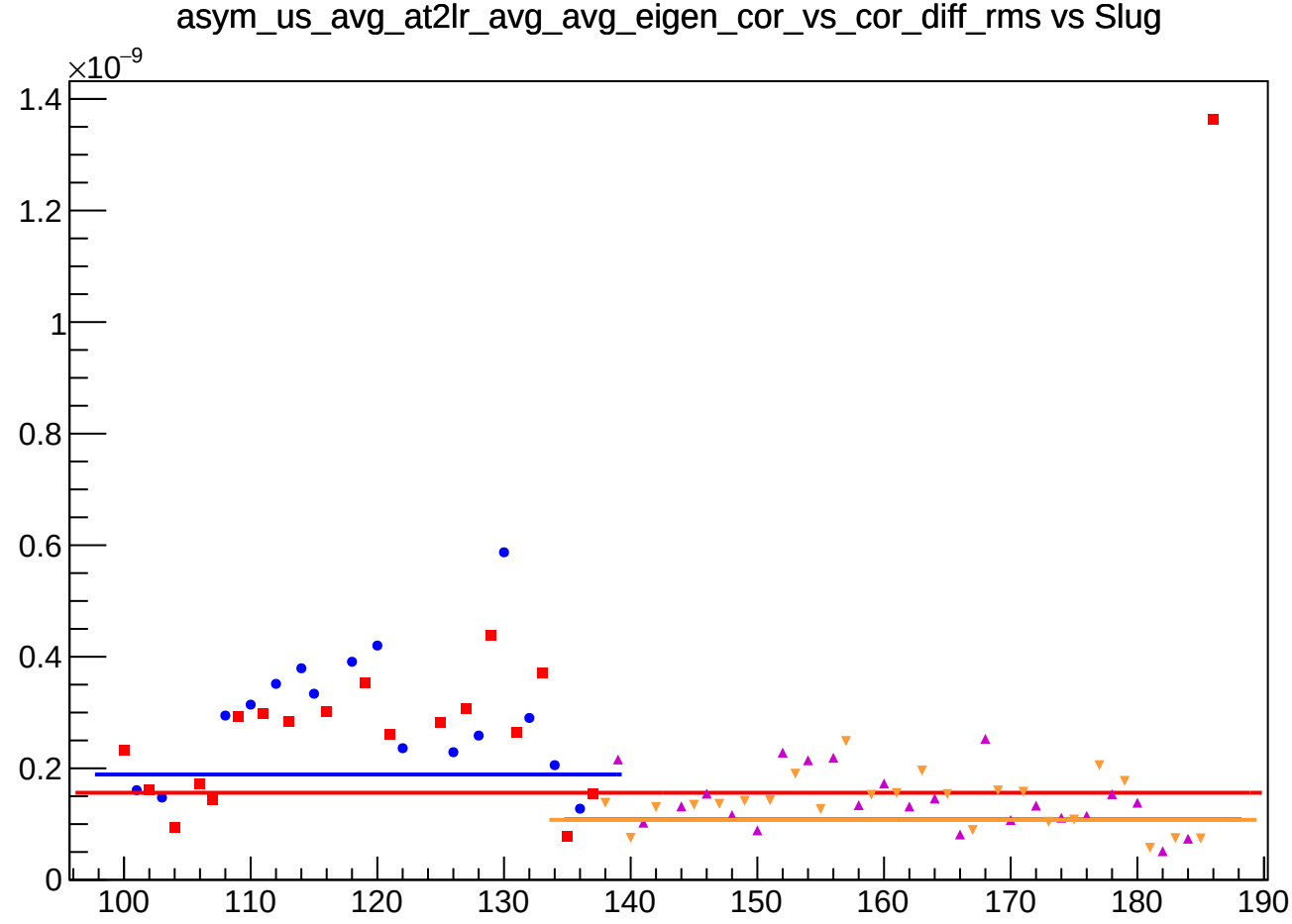
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:17.9/22
+ sign -0.000+/-0.000 χ²/NDF: 25.7/39
All: 0.000+/-0.000 χ²/NDF: 61.1/81
- sign 0.000+/-0.000 χ²/NDF: 35.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2503441.8/18

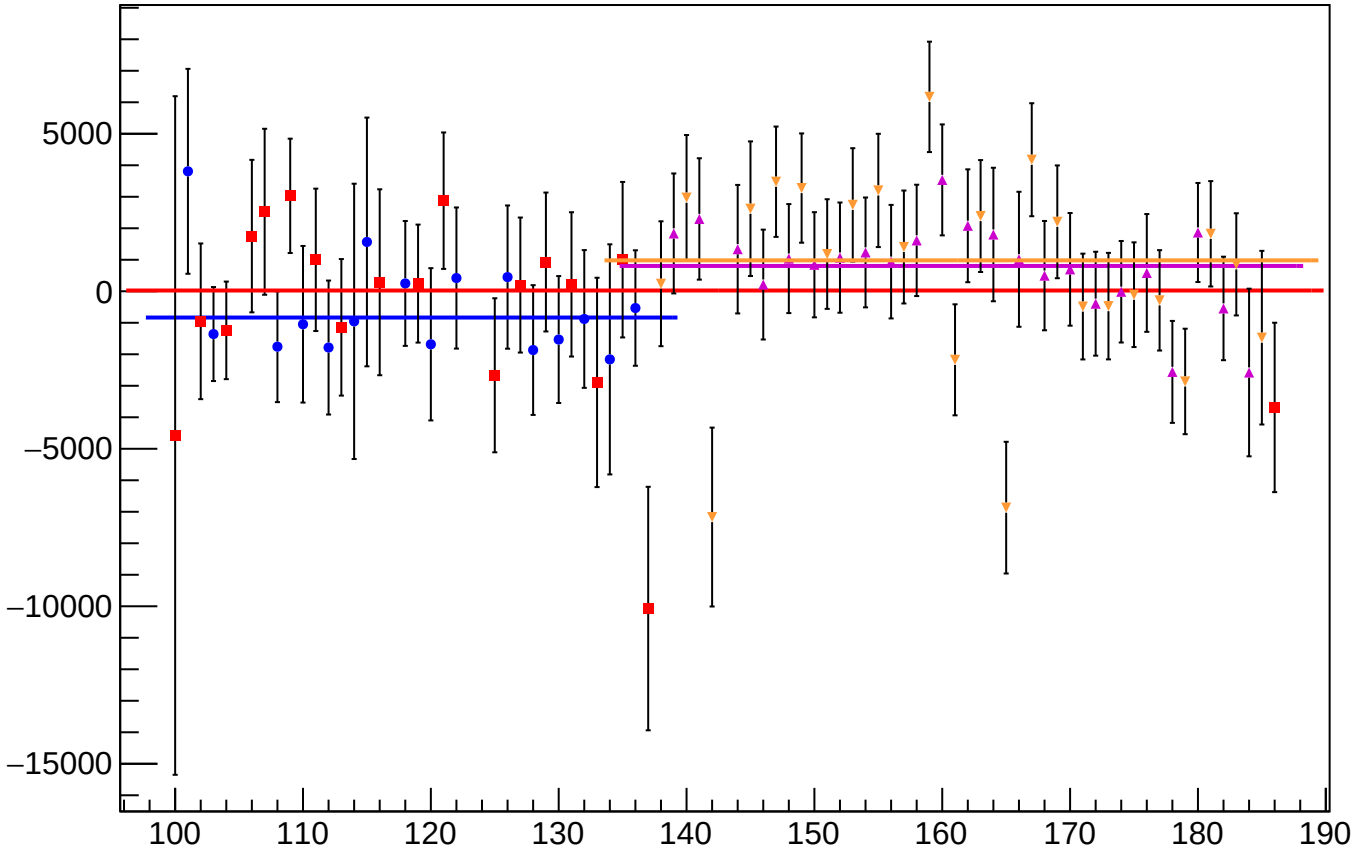
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6246154.6/39

All: 0.000+/-0.000 χ^2/NDF: 13164253.7/81

- sign 0.000+/-0.000 χ^2/NDF: 6915870.1/41

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: 24.233+/-536.797 χ^2/NDF: 18.4/18

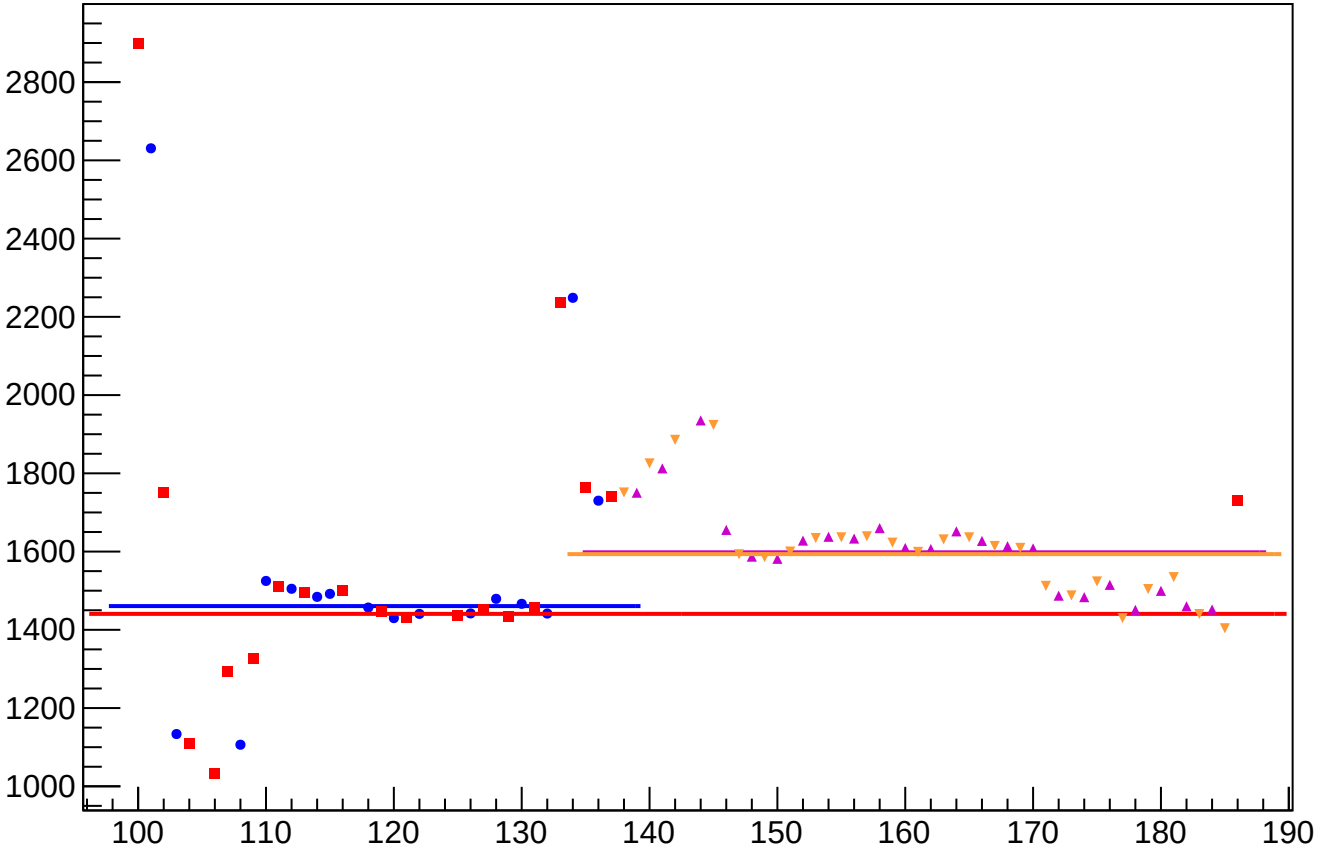
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

\+ sign 421.138+/-308.315 χ^2/NDF: 67.5/39

All: 485.391+/-217.510 χ^2/NDF: 99.9/81

\- sign 549.056+/-306.900 χ^2/NDF: 32.3/41

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

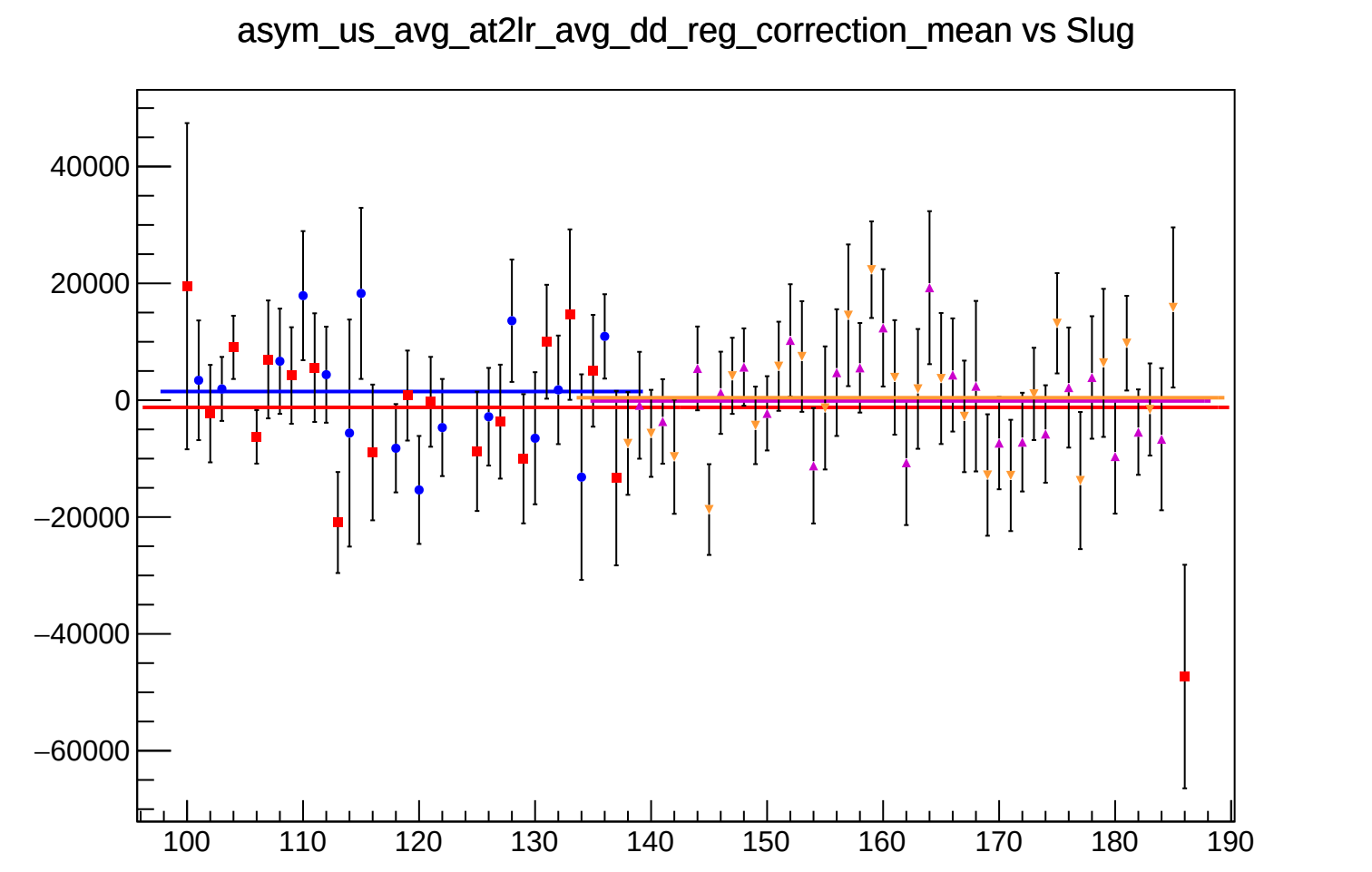
Right Out: 1440.762+/-0.377 χ^2/NDF: 435336.4/18

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1552.466+/-0.218 χ^2/NDF: 842581.2/39

All: 1549.306+/-0.154 χ^2/NDF: 1564289.0/81

- sign 1546.190+/-0.217 χ^2/NDF: 721290.5/41



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: -1229.333+/-2000.534 χ^2/NDF: 23.4/18

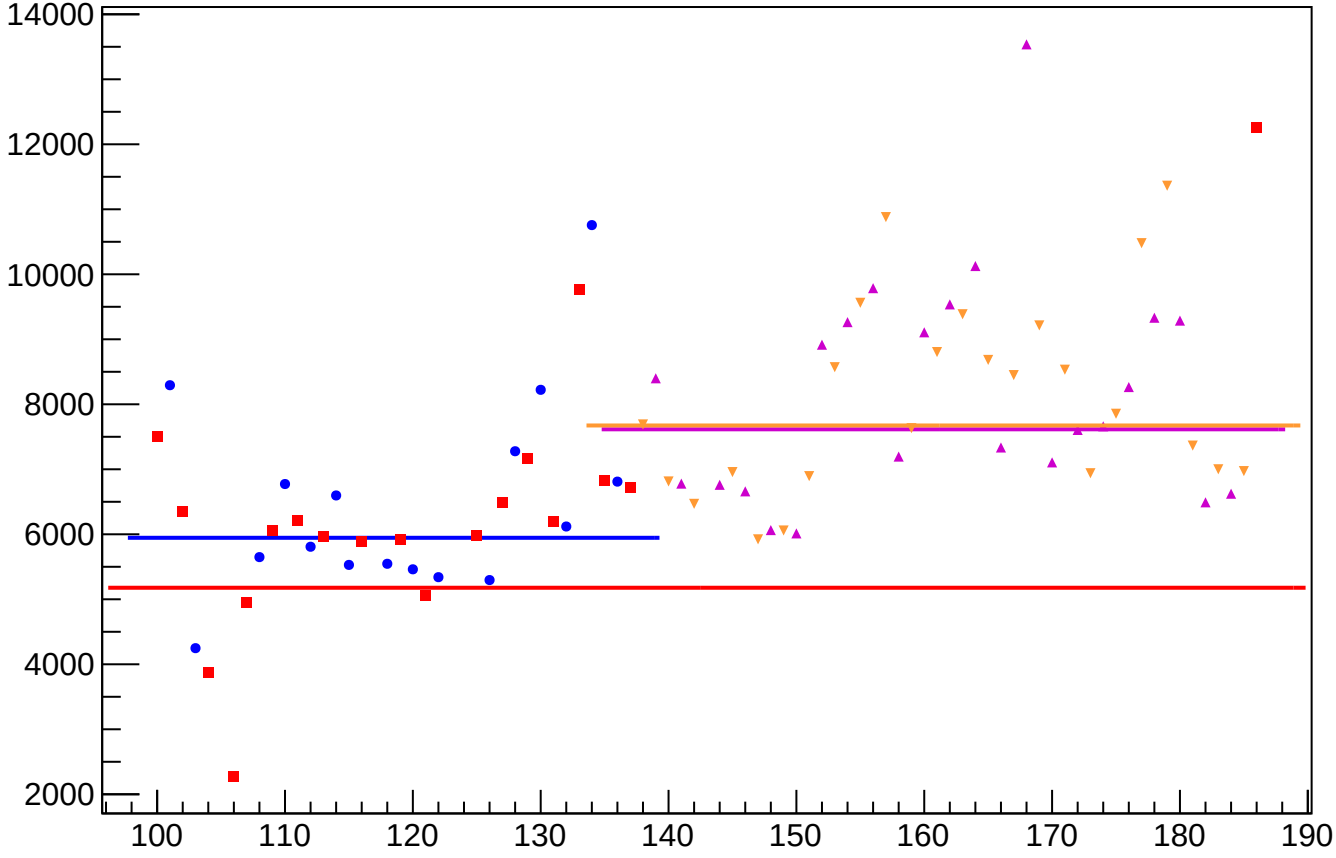
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 842.164+/-1419.419 χ^2/NDF: 43.7/39

All: 69.023+/-975.982 χ^2/NDF: 81.7/81

- sign -624.294+/-1344.148 χ^2/NDF: 37.4/41

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

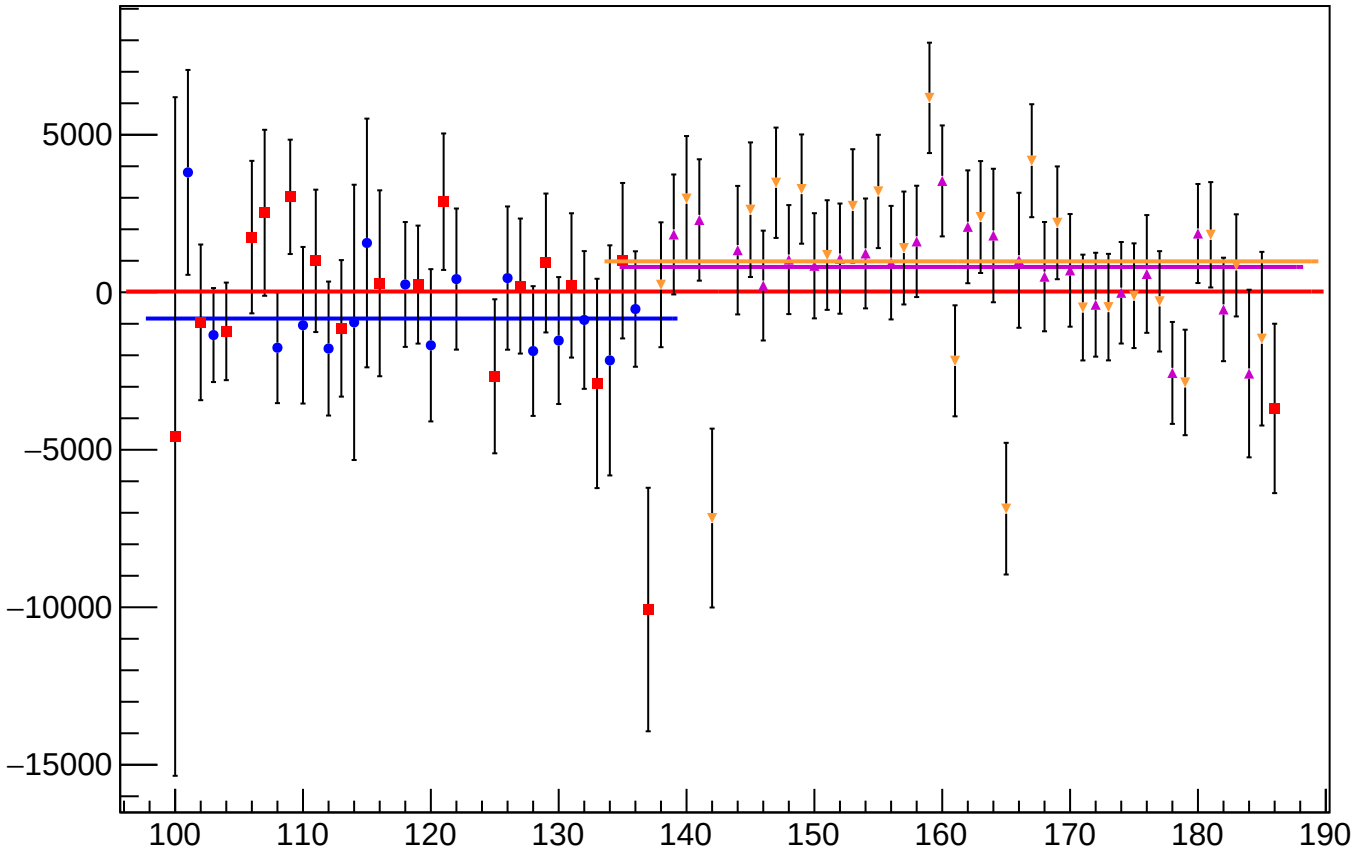
Right Out: 5177.559+/-1.415 χ^2/NDF: 1756776.4/18

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 6997.256+/-1.004 χ^2/NDF: 2424077.0/39

All: 6742.803+/-0.690 χ^2/NDF: 7155900.1/81

- sign 6514.621+/-0.950 χ^2/NDF: 4609914.6/41



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 24.091+/-536.797 χ^2/NDF: 18.4/18

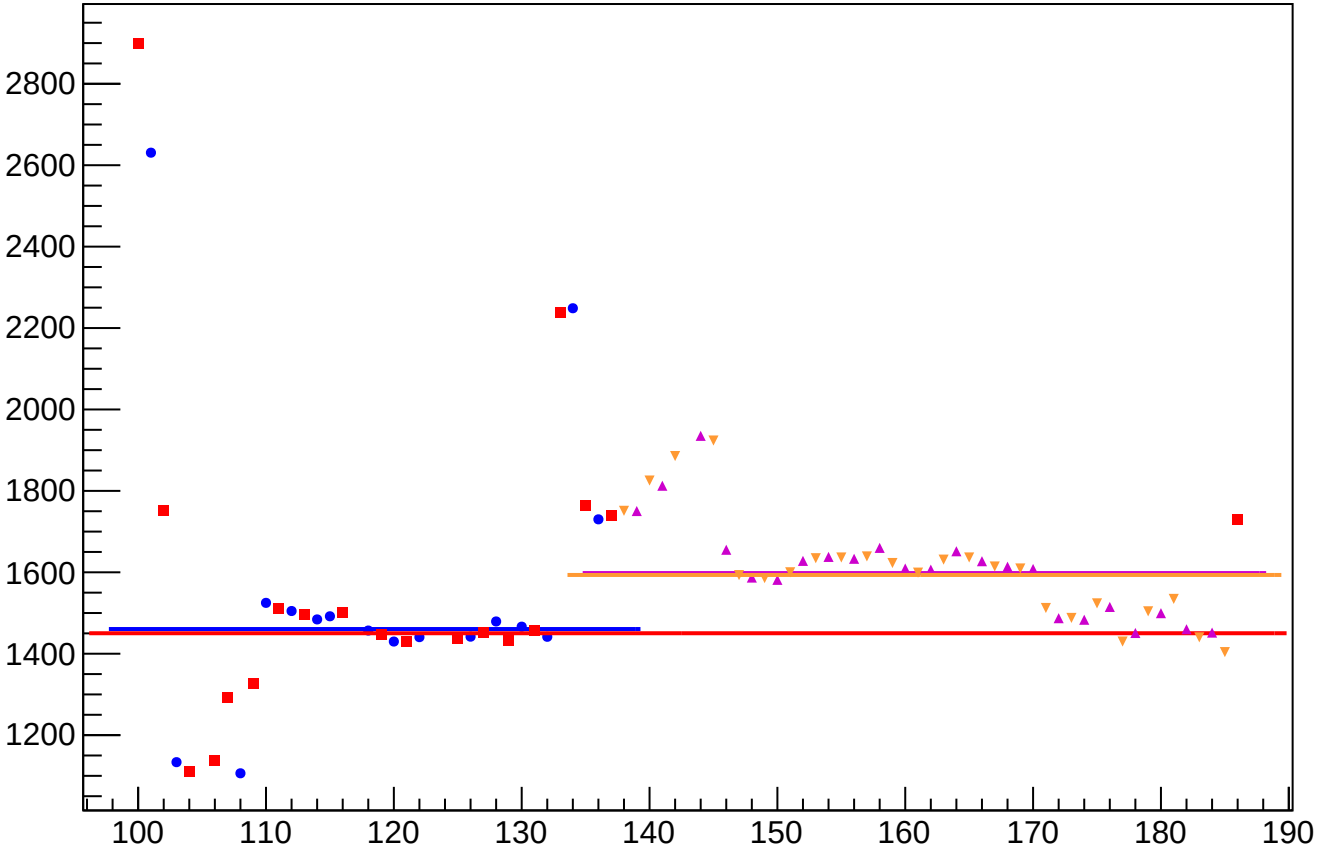
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 421.177+/-308.315 χ^2/NDF: 67.5/39

All: 485.345+/-217.510 χ^2/NDF: 99.9/81

\- sign 548.925+/-306.900 χ^2/NDF: 32.3/41

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

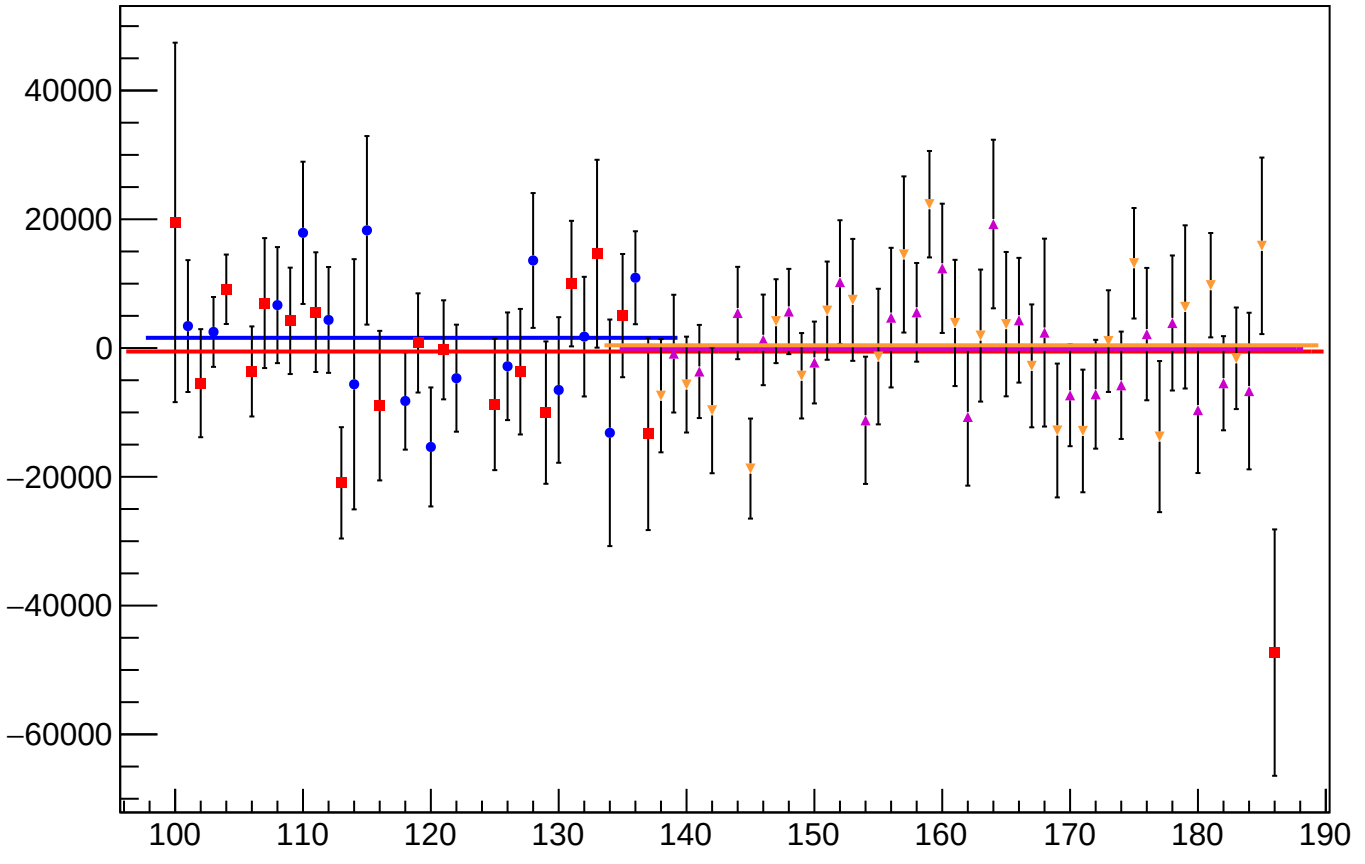
Right Out: 1450.313+/-0.379 χ^2/NDF: 395881.9/18

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1552.466+/-0.218 χ^2/NDF: 842581.7/39

All: 1551.057+/-0.154 χ^2/NDF: 1510075.0/81

- sign 1549.662+/-0.217 χ^2/NDF: 667410.3/41



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

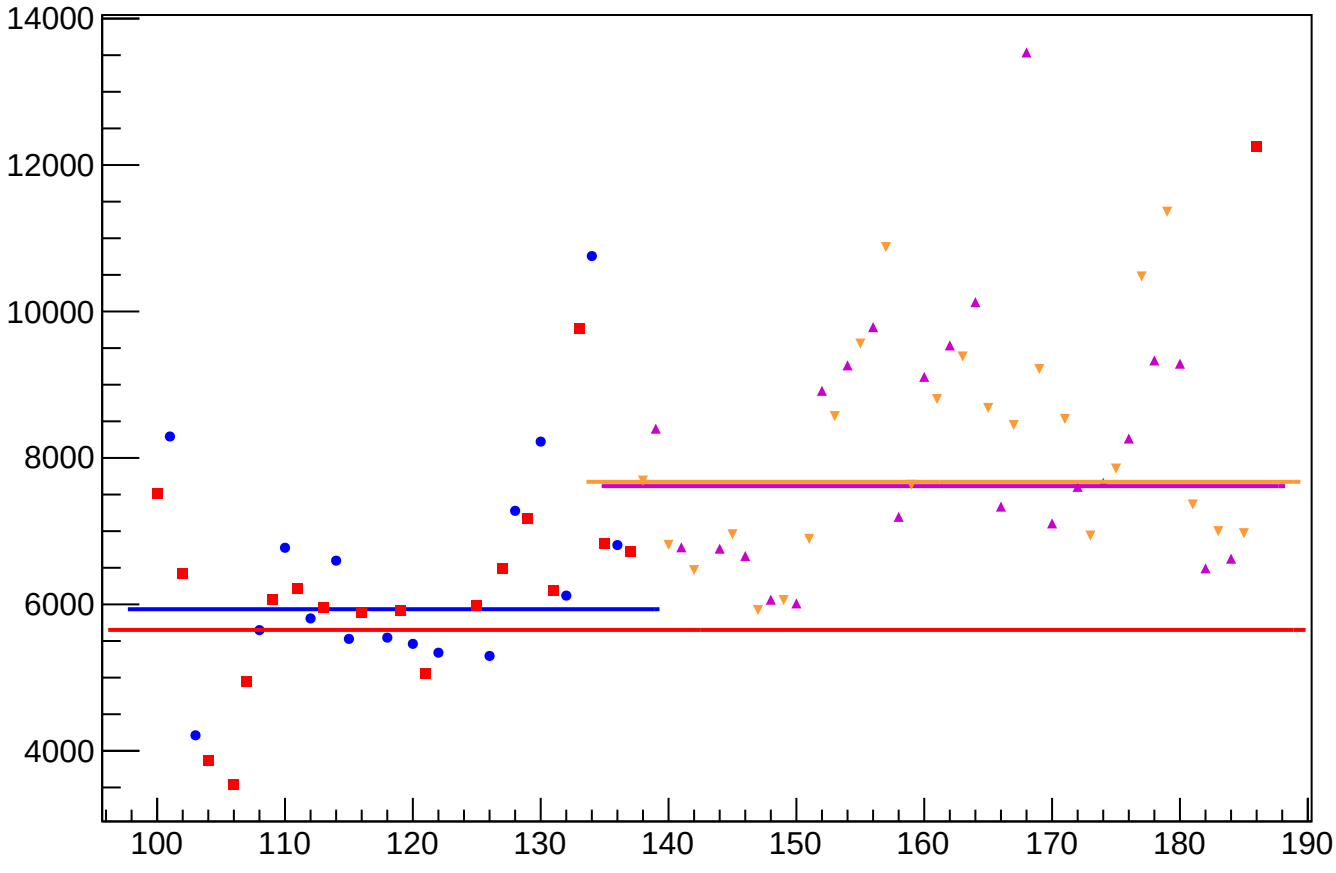
Right Out: -540.435+/-2119.908 χ^2/NDF: 22.5/18

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 882.729+/-1418.494 χ^2/NDF: 43.7/39

All: 273.748+/-988.635 χ^2/NDF: 80.5/81

- sign -301.493+/-1378.638 χ^2/NDF: 36.4/41



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

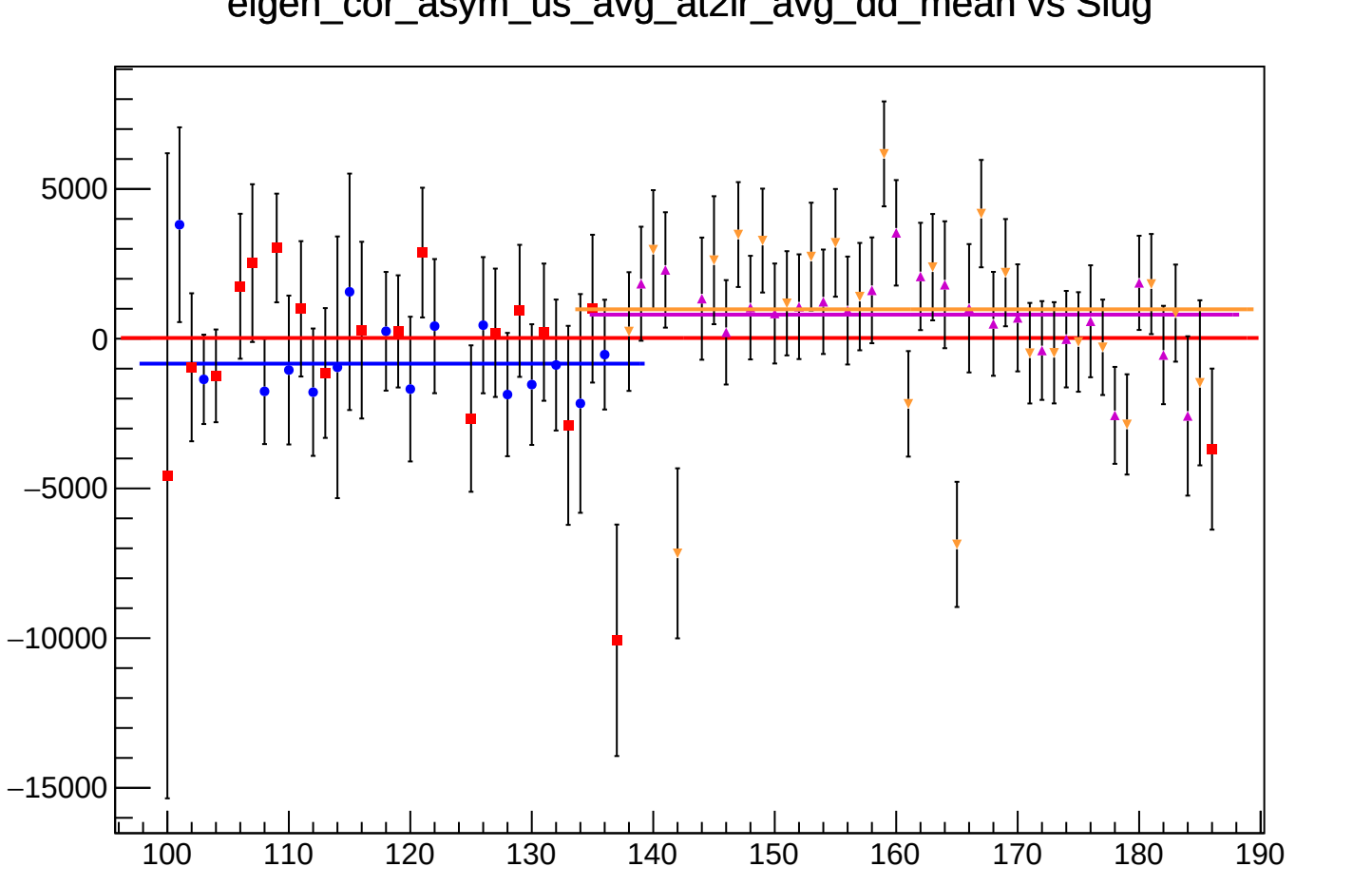
Right Out: 5651.627+/-1.499 χ^2/NDF: 964981.7/18

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 6991.228+/-1.003 χ^2/NDF: 2447214.7/39

All: 6884.977+/-0.699 χ^2/NDF: 5648497.6/81

- sign 6784.613+/-0.975 χ^2/NDF: 3179462.1/41



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

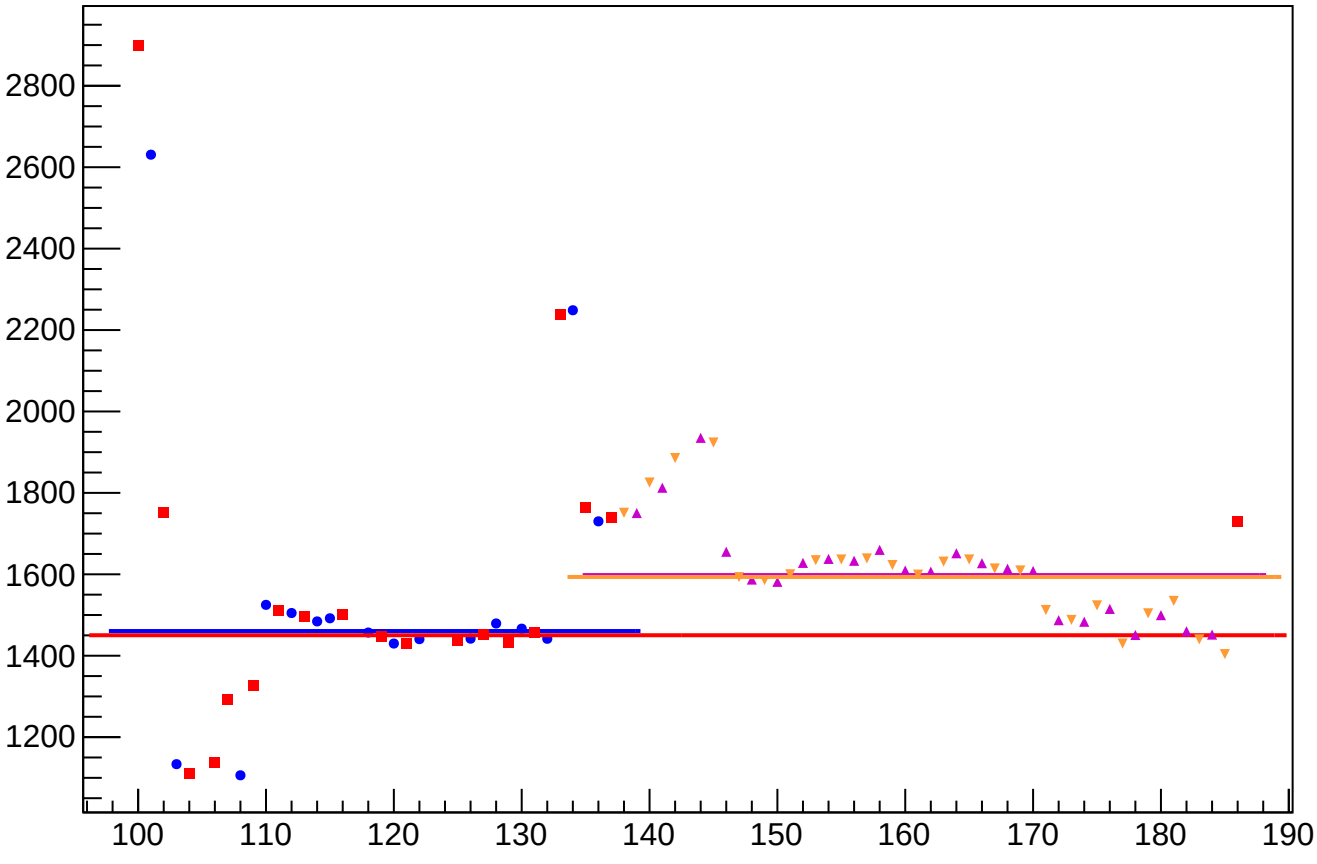
Right Out: 24.091+/-536.797 χ^2/NDF: 18.4/18

Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 421.177+/-308.315 χ^2/NDF: 67.5/39

All: 485.345+/-217.510 χ^2/NDF: 99.9/81

\- sign 548.925+/-306.900 χ^2/NDF: 32.3/41



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

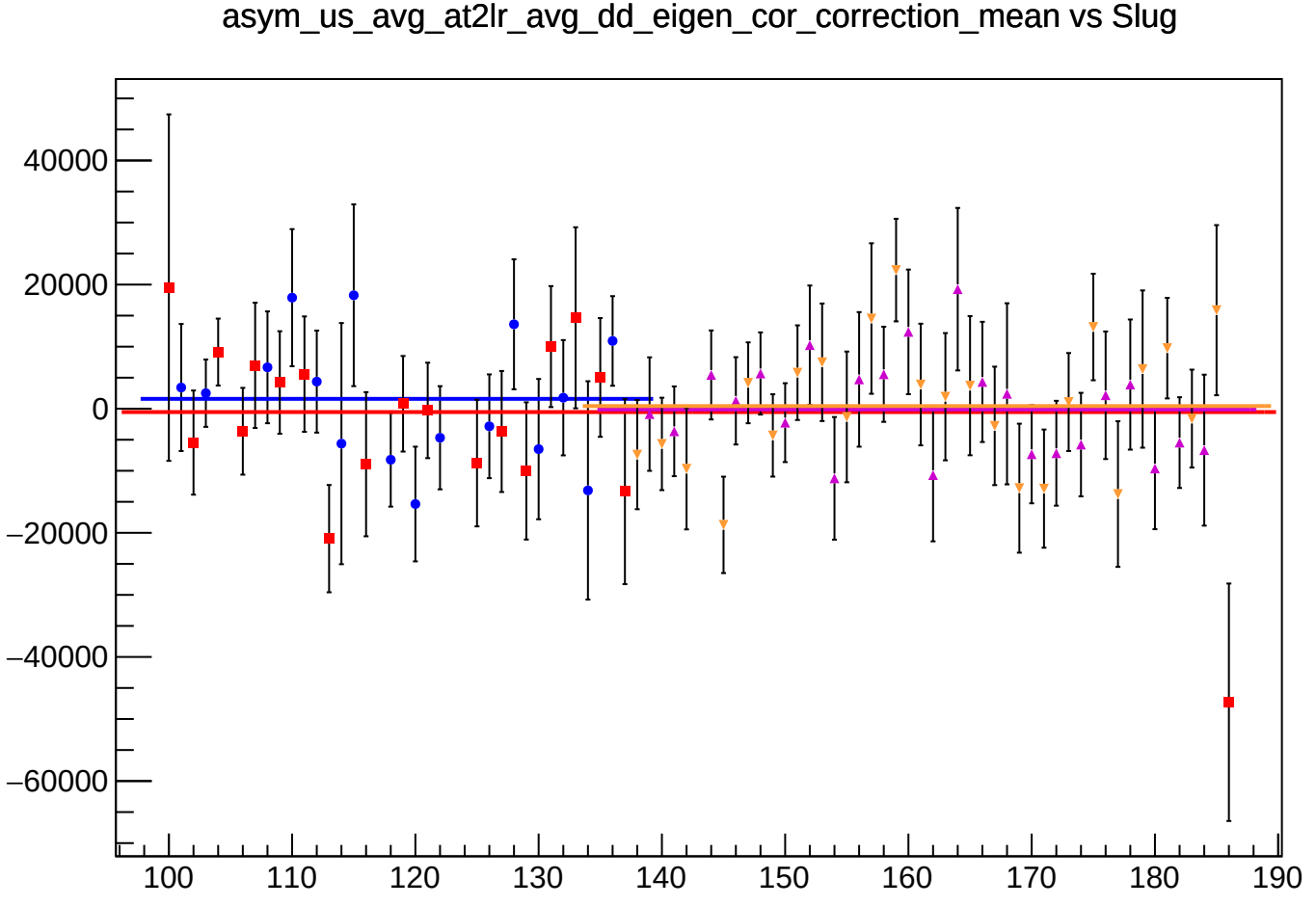
Right Out: 1450.313+/-0.379 χ^2/NDF: 395881.9/18

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1552.466+/-0.218 χ^2/NDF: 842581.7/39

All: 1551.057+/-0.154 χ^2/NDF: 1510075.0/81

- sign 1549.662+/-0.217 χ^2/NDF: 667410.3/41



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

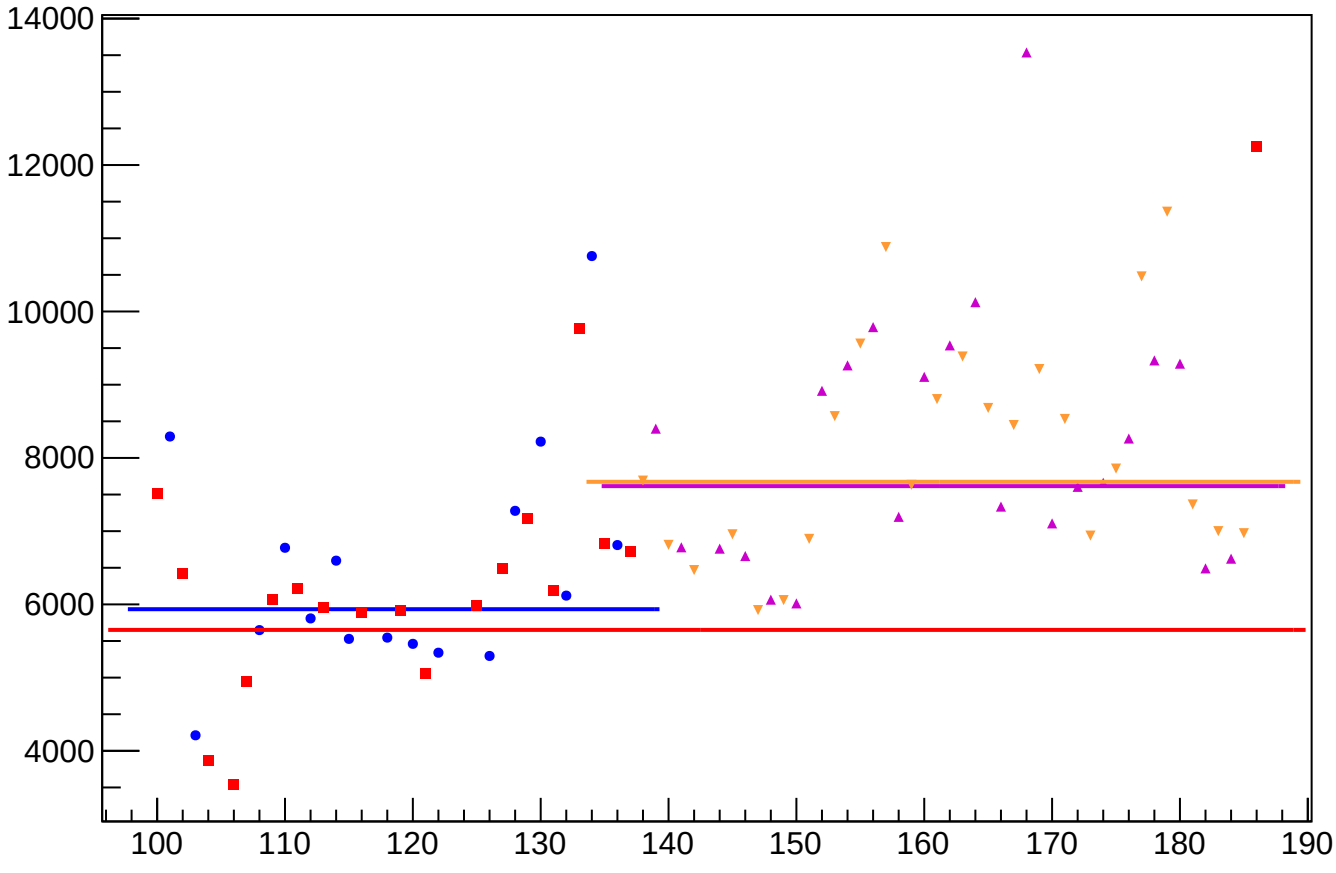
Right Out: -540.435+/-2119.908 χ^2/NDF: 22.5/18

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 882.729+/-1418.494 χ^2/NDF: 43.7/39

All: 273.748+/-988.635 χ^2/NDF: 80.5/81

- sign -301.493+/-1378.638 χ^2/NDF: 36.4/41



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 5651.627+/-1.499 χ^2/NDF: 964981.7/18

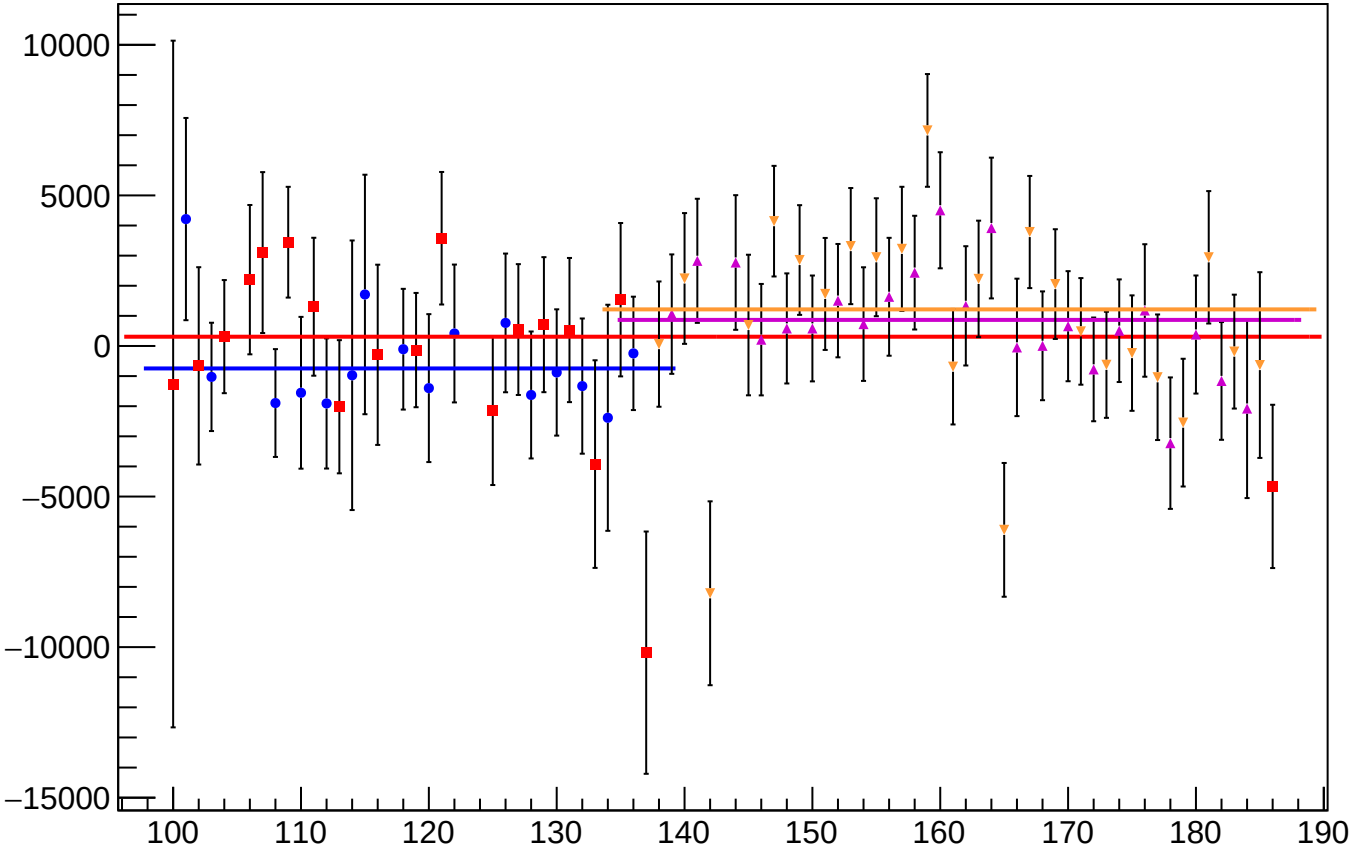
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 6991.228+/-1.003 χ^2/NDF: 2447214.7/39

All: 6884.977+/-0.699 χ^2/NDF: 5648497.6/81

- sign 6784.613+/-0.975 χ^2/NDF: 3179462.1/41

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 307.615+/-562.597 χ^2/NDF: 21.2/18

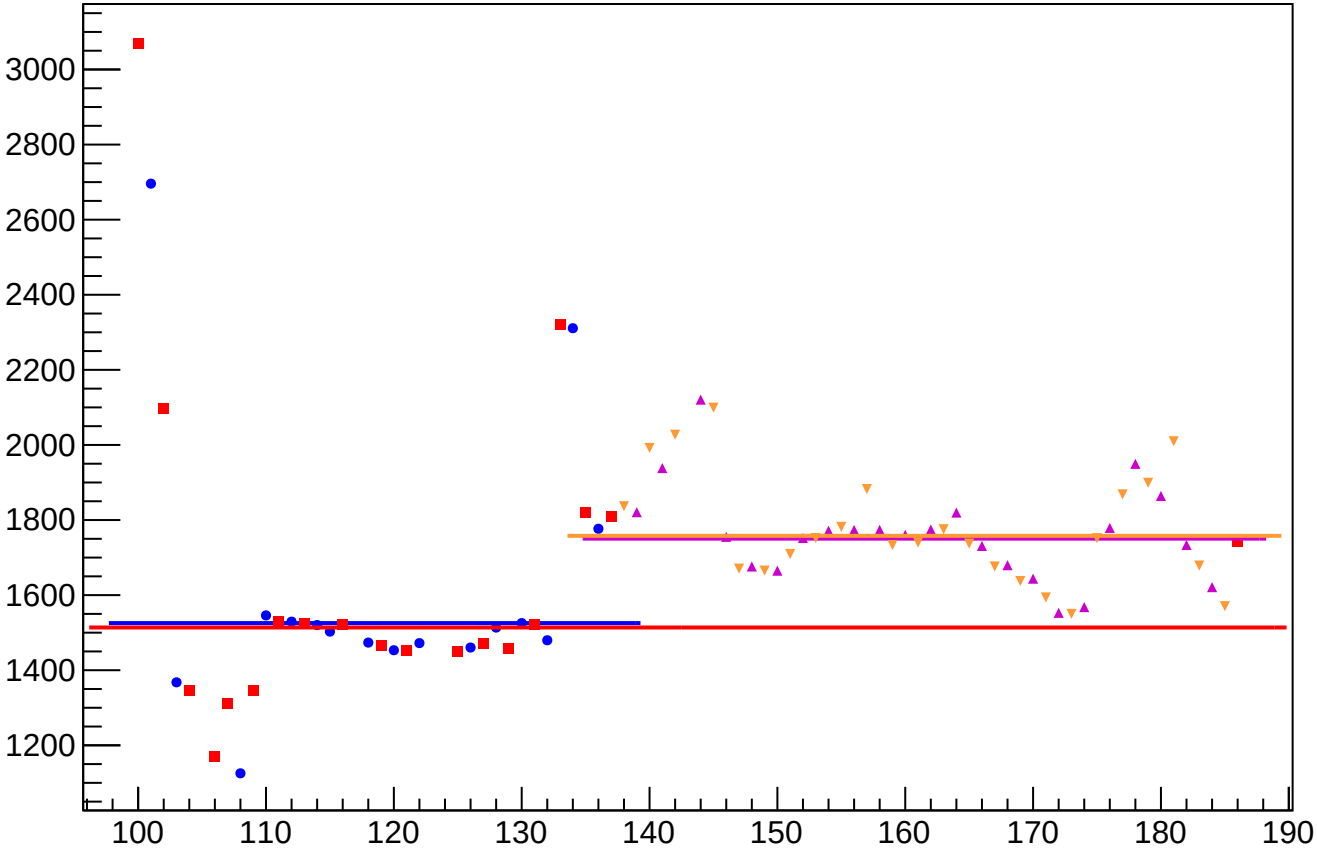
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 559.835+/-334.199 χ^2/NDF: 60.9/39

All: 616.547+/-235.307 χ^2/NDF: 97.9/81

- sign 672.302+/-331.367 χ^2/NDF: 37.0/41

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

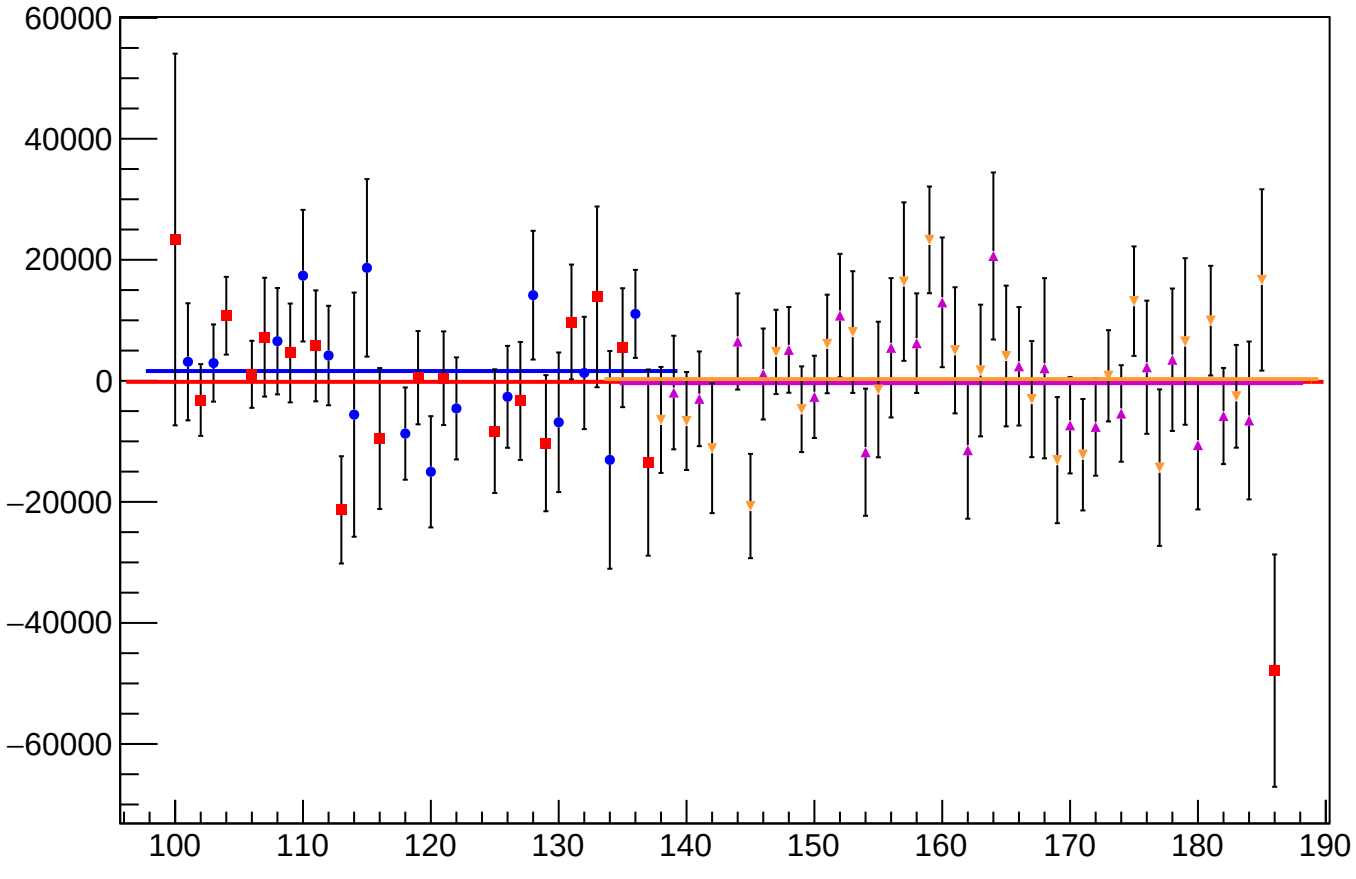
Right Out: 1513.790+/-0.398 χ^2/NDF: 353582.8/18

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1680.280+/-0.236 χ^2/NDF: 916876.7/39

All: 1674.257+/-0.166 χ^2/NDF: 1674903.9/81

- sign 1668.336+/-0.234 χ^2/NDF: 756739.1/41



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

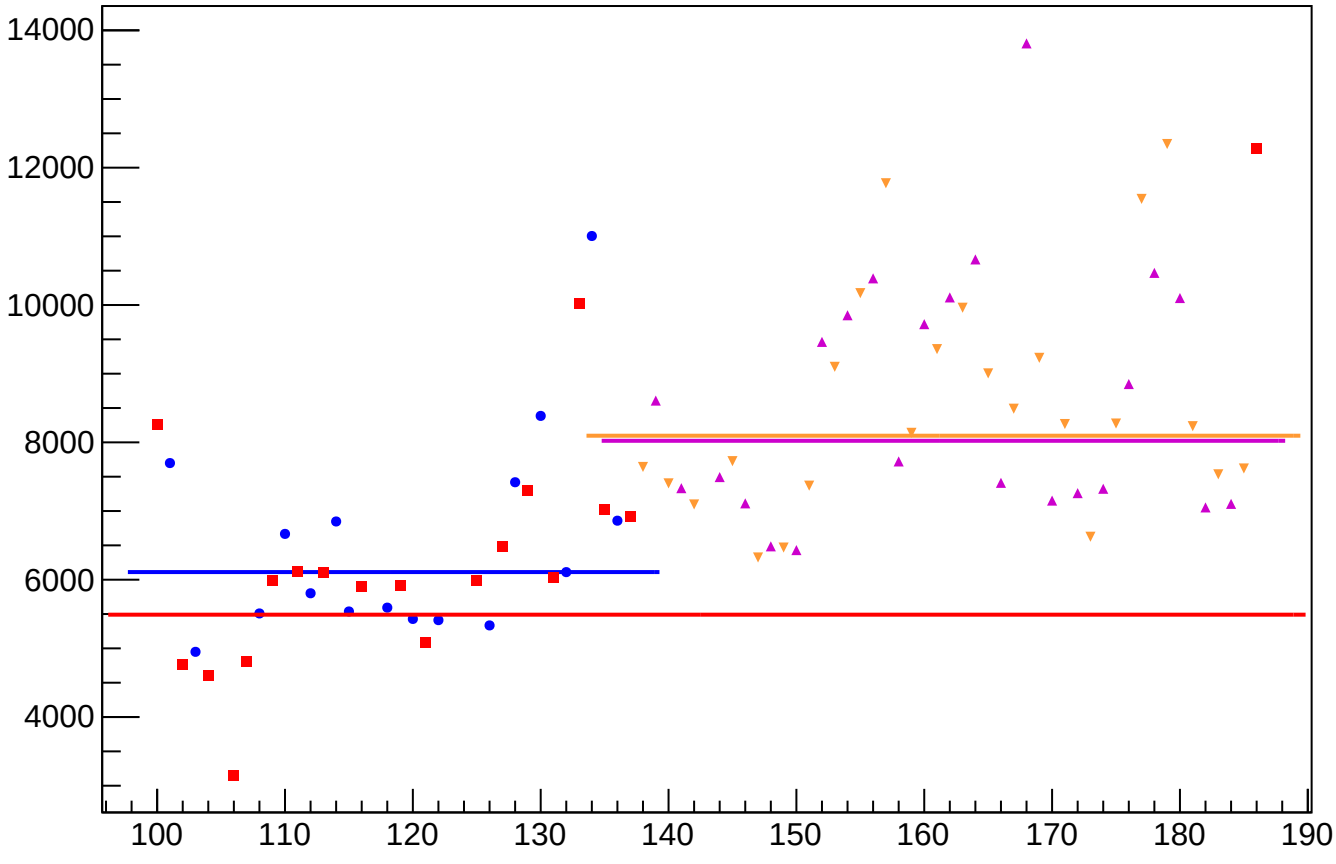
Right Out: -164.005+/-2049.093 χ^2/NDF: 22.3/18

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 827.683+/-1479.227 χ^2/NDF: 43.1/39

All: 242.173+/-1016.074 χ^2/NDF: 79.3/81

- sign -280.869+/-1398.094 χ^2/NDF: 35.9/41



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

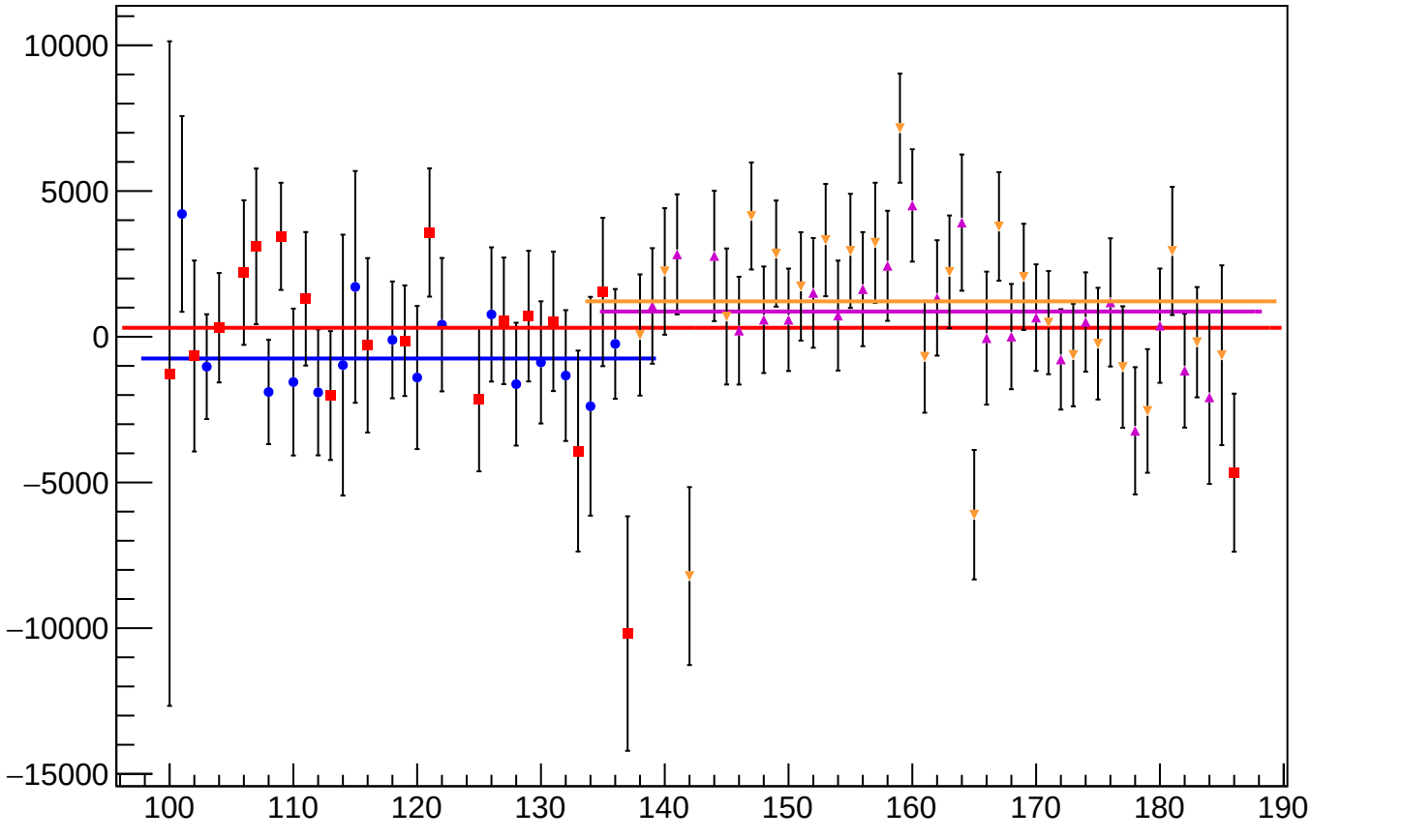
Right Out: 5490.594+/-1.449 χ^2/NDF: 1075022.6/18

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7289.560+/-1.046 χ^2/NDF: 2429038.1/39

All: 7054.194+/-0.718 χ^2/NDF: 6457783.1/81

- sign 6843.938+/-0.989 χ^2/NDF: 3932877.2/41



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 307.630+/-562.597 χ^2/NDF: 21.2/18

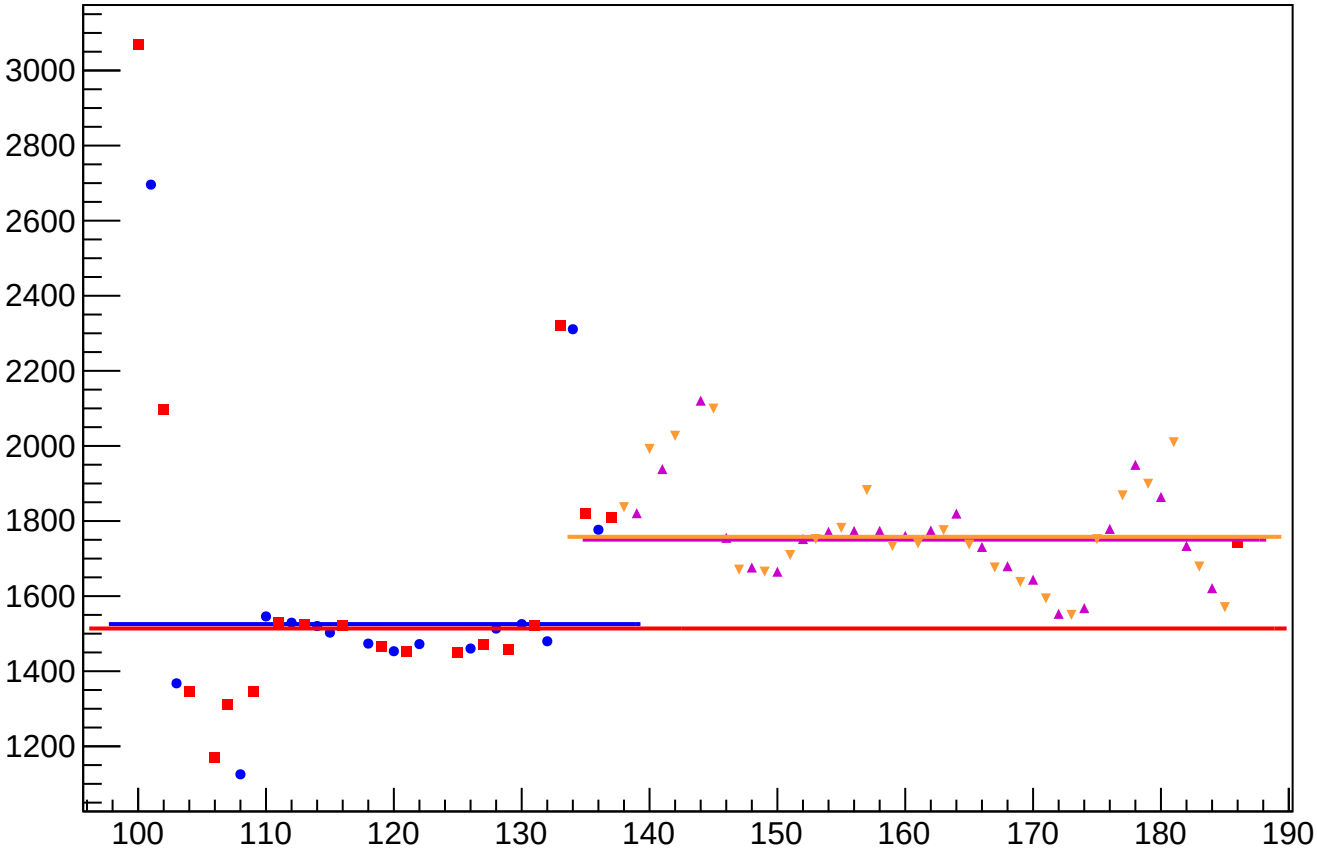
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

+ sign 559.838+/-334.199 χ^2/NDF: 60.9/39

All: 616.550+/-235.307 χ^2/NDF: 97.9/81

- sign 672.306+/-331.367 χ^2/NDF: 37.0/41

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

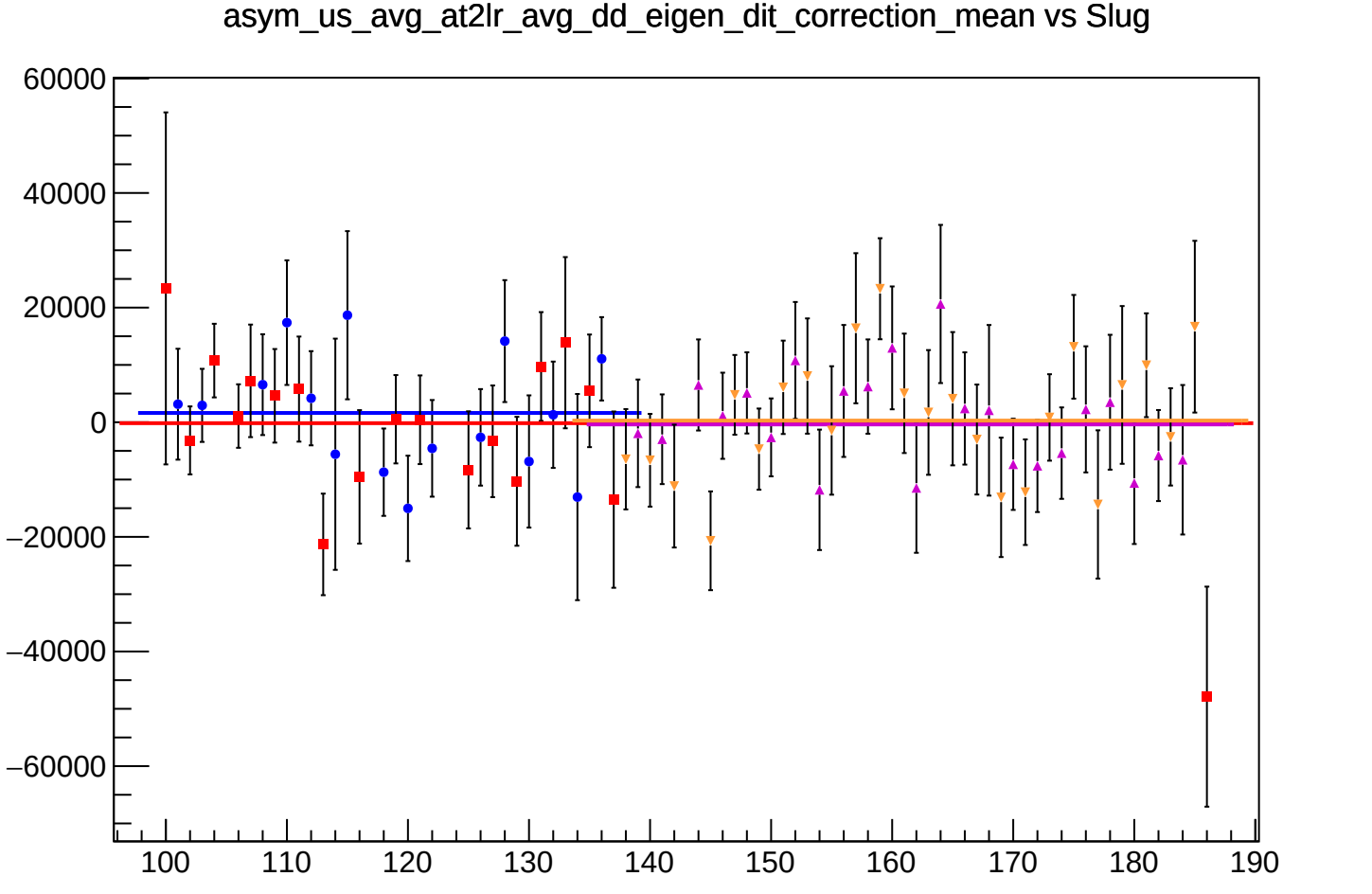
Right Out: 1513.790+/-0.398 χ^2/NDF: 353583.0/18

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1680.281+/-0.236 χ^2/NDF: 916889.3/39

All: 1674.258+/-0.166 χ^2/NDF: 1674929.6/81

- sign 1668.338+/-0.234 χ^2/NDF: 756752.2/41



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

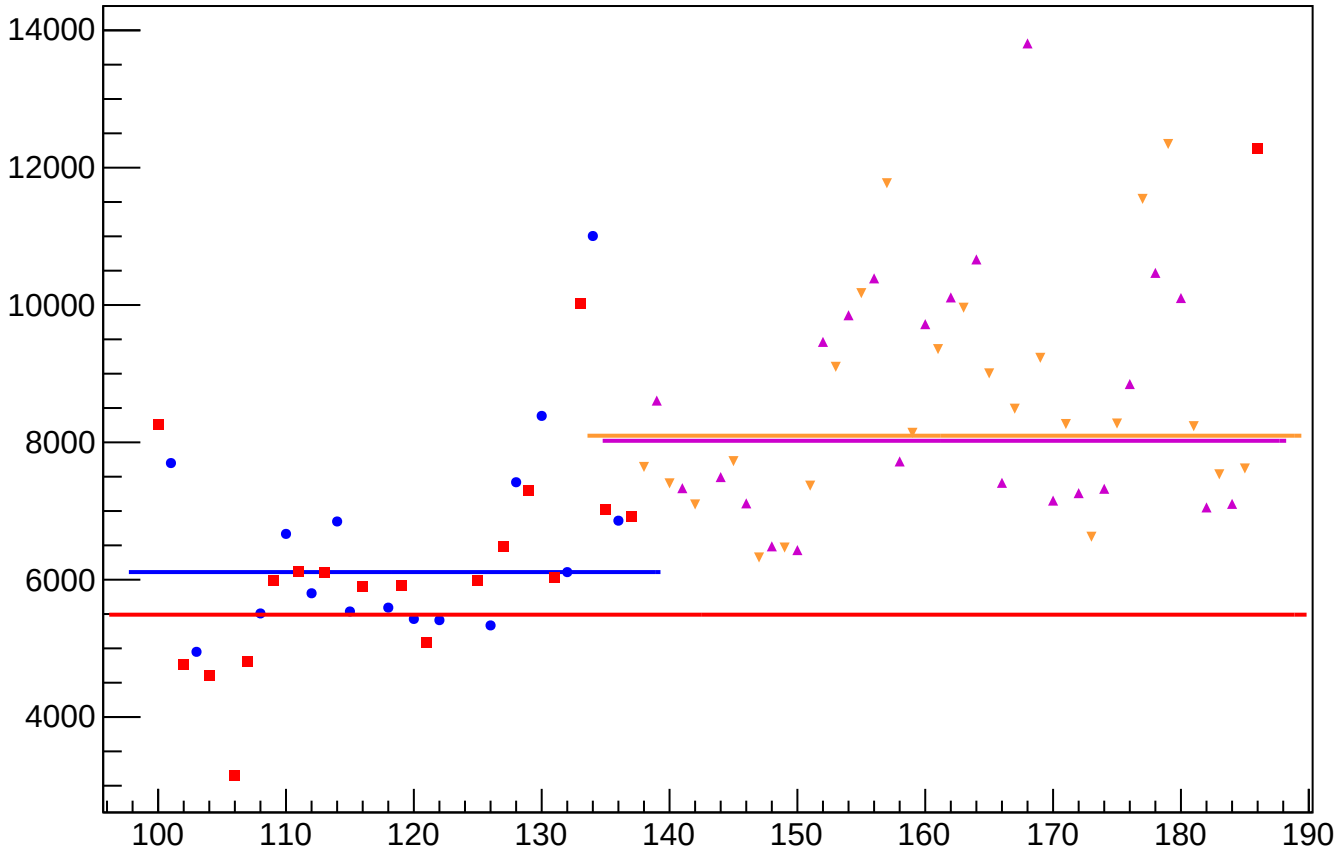
Right Out: -163.998+/-2049.089 χ^2/NDF: 22.3/18

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 827.678+/-1479.227 χ^2/NDF: 43.1/39

All: 242.172+/-1016.074 χ^2/NDF: 79.3/81

- sign -280.867+/-1398.094 χ^2/NDF: 35.9/41



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 5490.582+/-1.449 χ^2/NDF: 1075022.9/18

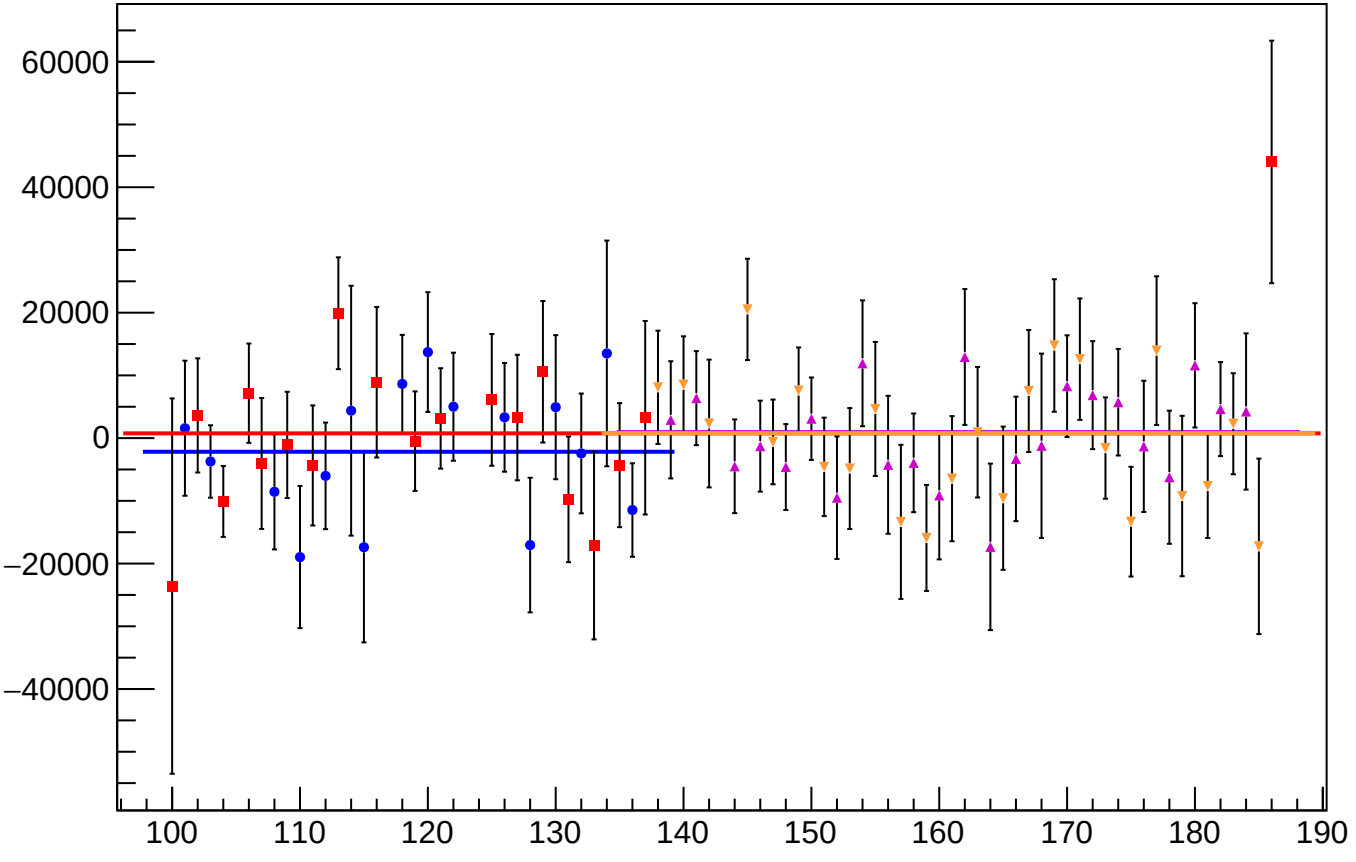
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7289.559+/-1.046 χ^2/NDF: 2429066.7/39

All: 7054.191+/-0.718 χ^2/NDF: 6457848.2/81

- sign 6843.934+/-0.989 χ^2/NDF: 3932912.9/41

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 758.910+/-2214.212 χ^2/NDF: 19.7/18

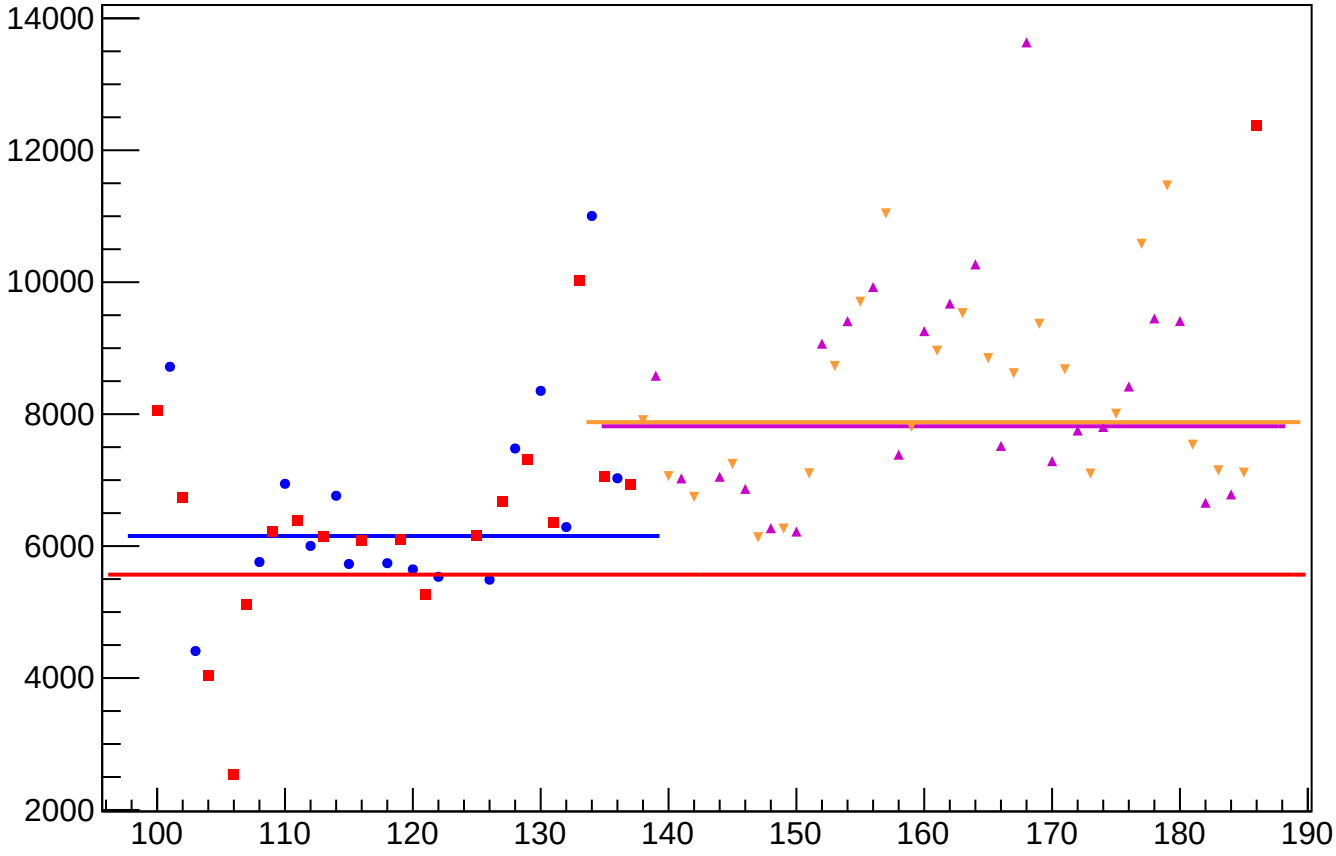
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign -356.129+/-1460.349 χ^2/NDF: 42.7/39

All: 277.000+/-1019.587 χ^2/NDF: 75.6/81

- sign 879.137+/-1424.158 χ^2/NDF: 32.5/41

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

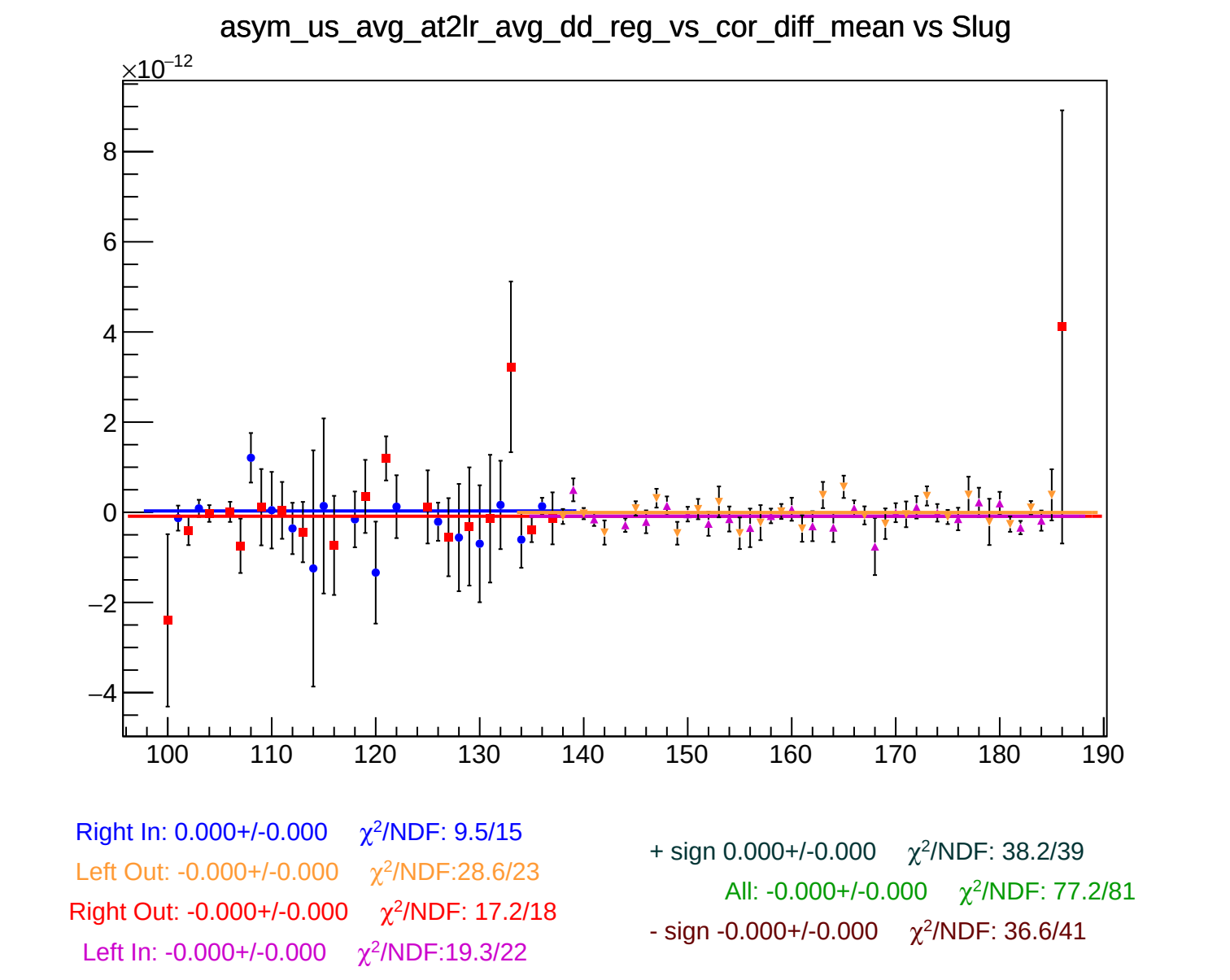
Right Out: 5567.518+/-1.510 χ^2/NDF: 1400165.2/18

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7210.702+/-1.033 χ^2/NDF: 2276671.7/39

All: 7021.236+/-0.715 χ^2/NDF: 6135118.8/81

- sign 6846.458+/-0.992 χ^2/NDF: 3793726.4/41


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug
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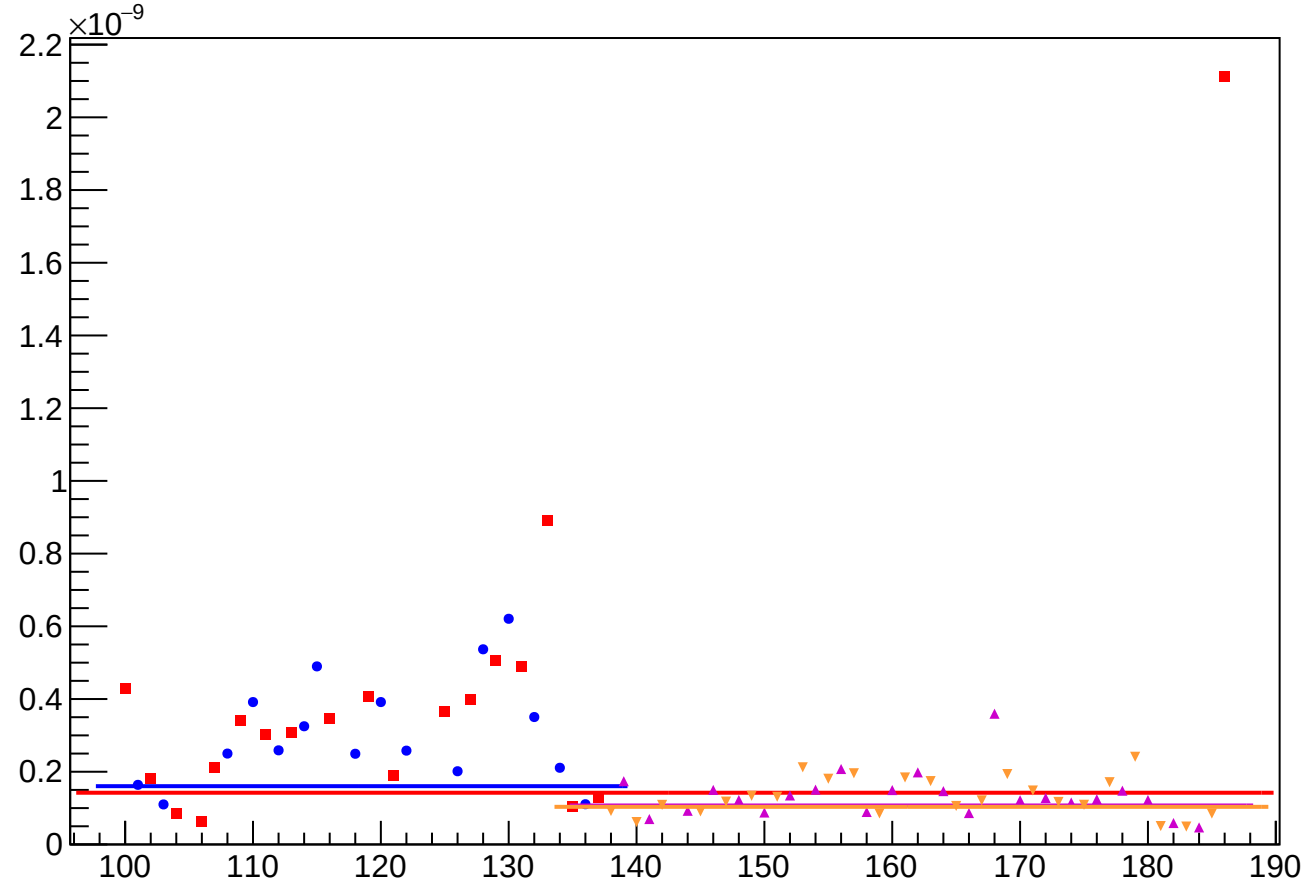
Right In: 0.000+/-0.000 χ²/NDF: 9.5/15
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/18
Left In: -0.000+/-0.000 χ²/NDF:19.3/22
+ sign 0.000+/-0.000 χ²/NDF: 38.2/39
All: -0.000+/-0.000 χ²/NDF: 77.2/81
- sign -0.000+/-0.000 χ²/NDF: 36.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

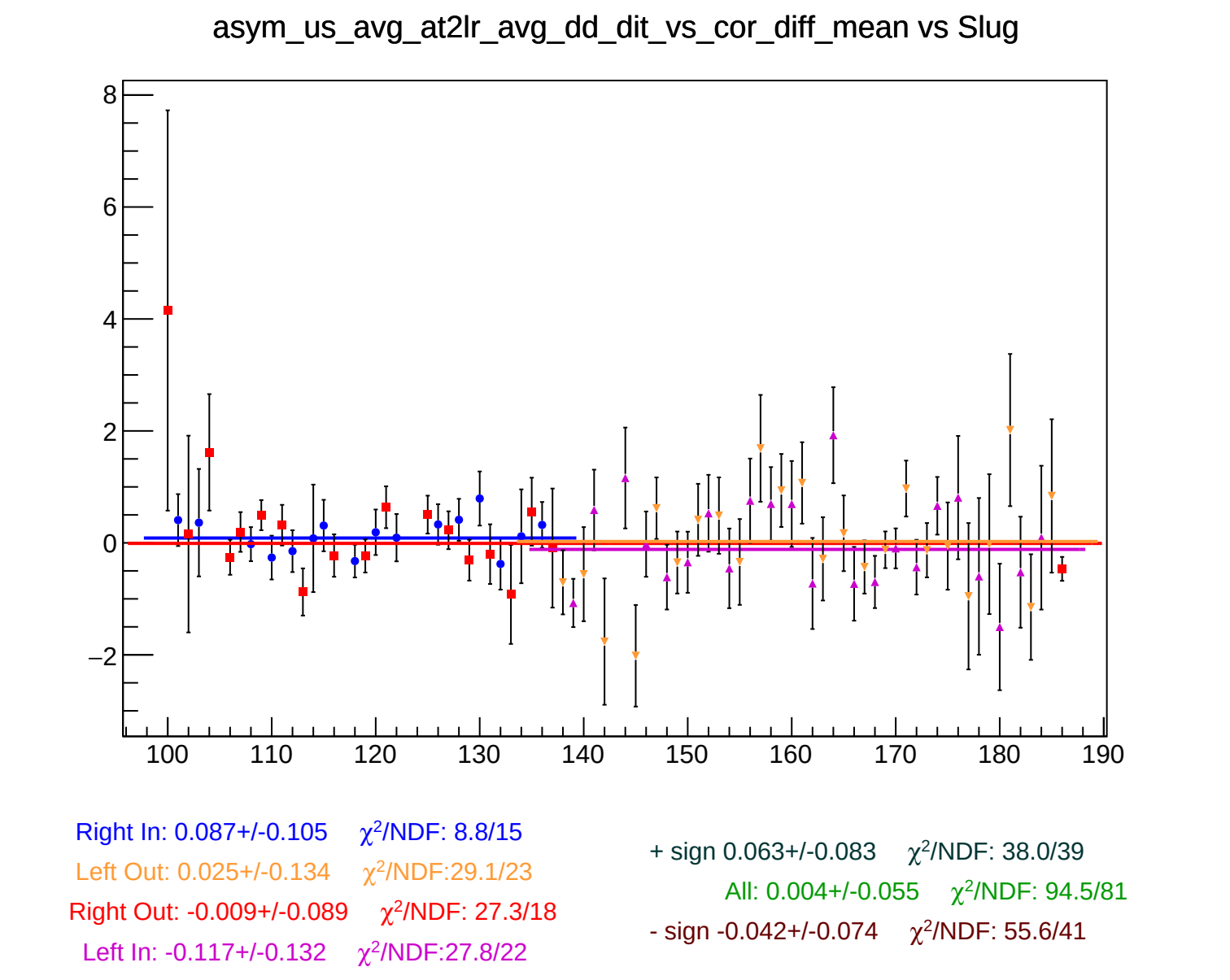
Right Out: 0.000+/-0.000 χ^2/NDF: 2502041.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 3742995.1/39

All: 0.000+/-0.000 χ^2/NDF: 8037194.2/81

- sign 0.000+/-0.000 χ^2/NDF: 4293929.7/41


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
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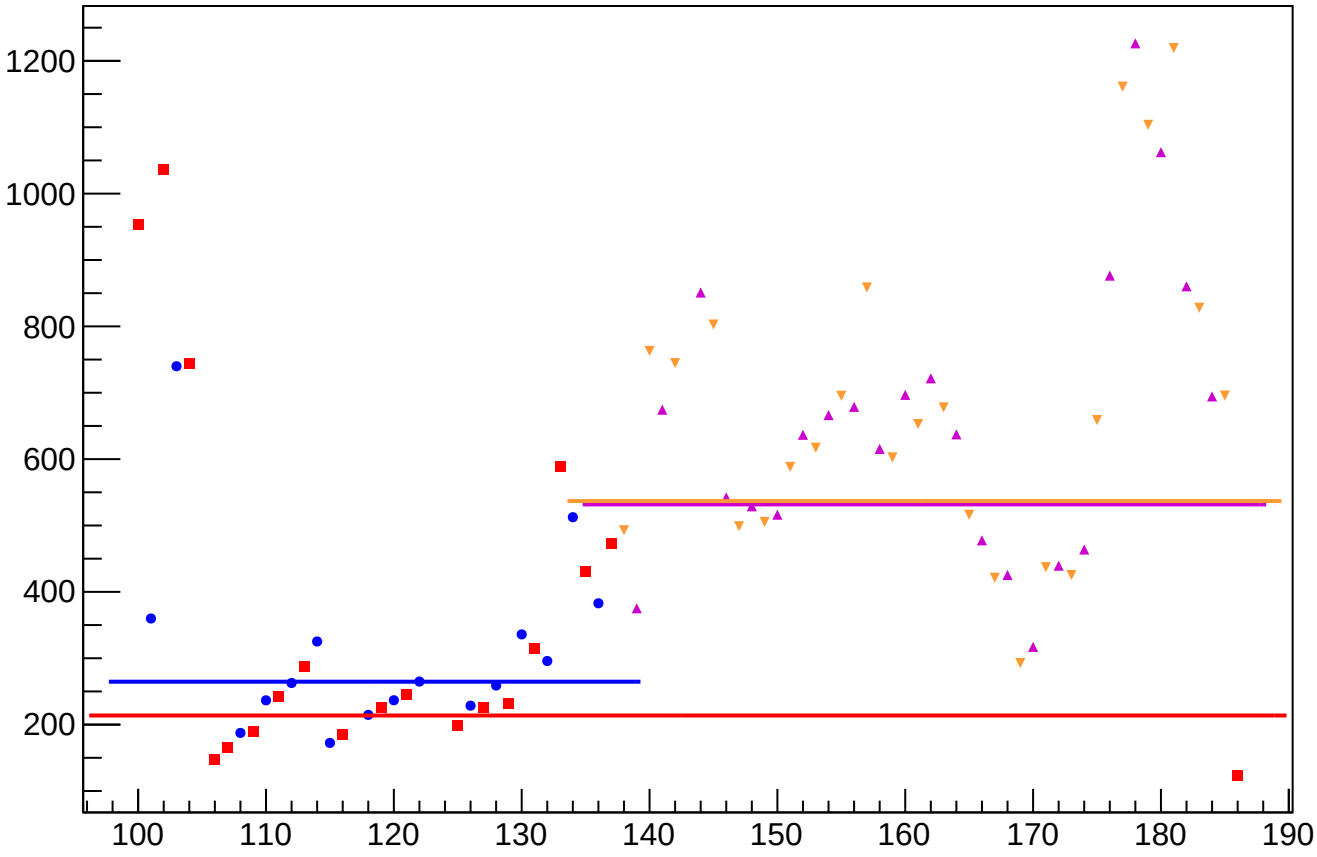
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: -0.009+/-0.089 χ²/NDF: 27.3/18
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.063+/-0.083 χ²/NDF: 38.0/39
All: 0.004+/-0.055 χ²/NDF: 94.5/81
- sign -0.042+/-0.074 χ²/NDF: 55.6/41



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

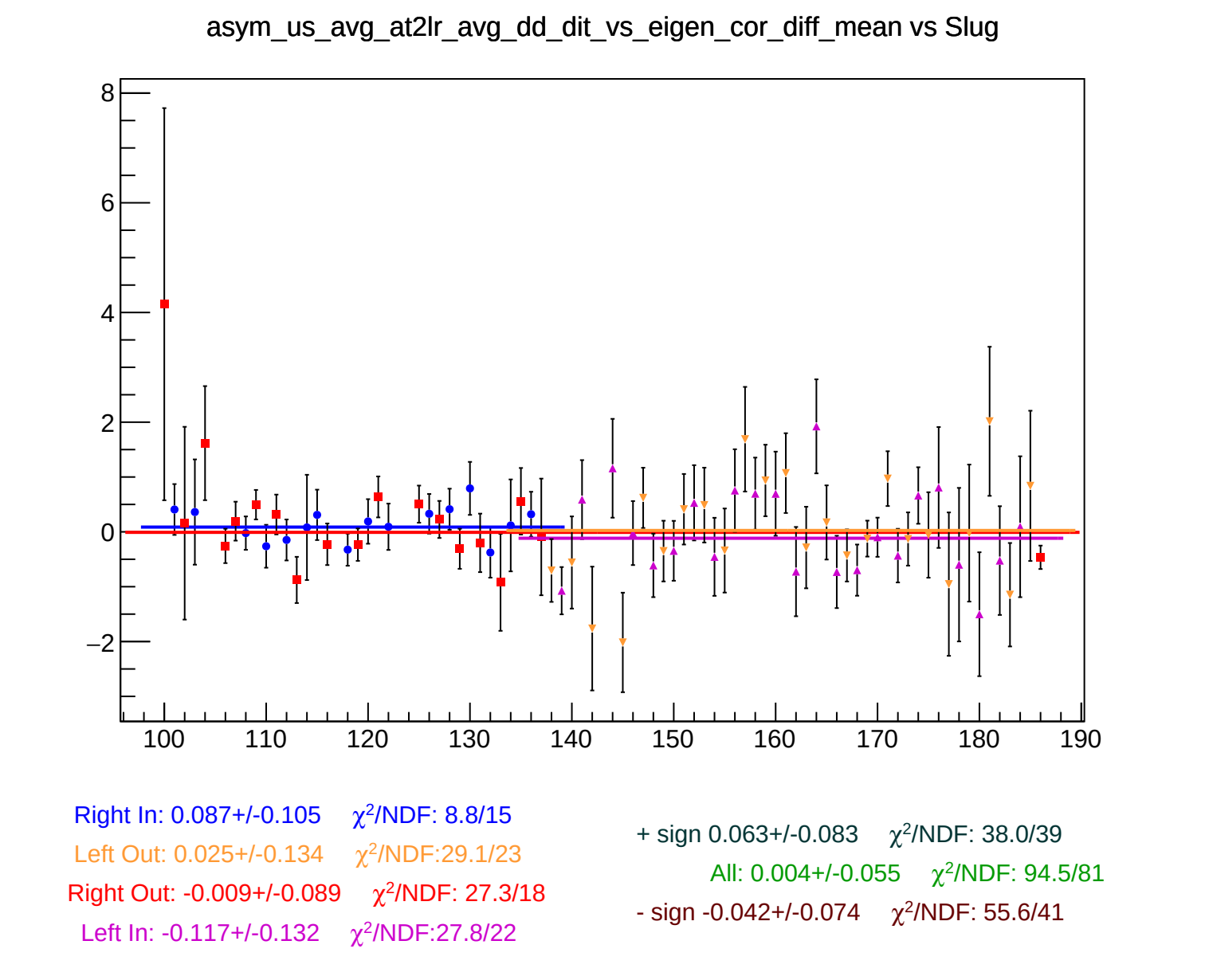
Right Out: 213.750+/-0.063 χ^2/NDF: 2468480.9/18

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 368.324+/-0.058 χ^2/NDF: 10357227.3/39

All: 336.912+/-0.039 χ^2/NDF: 24690832.6/81

- 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
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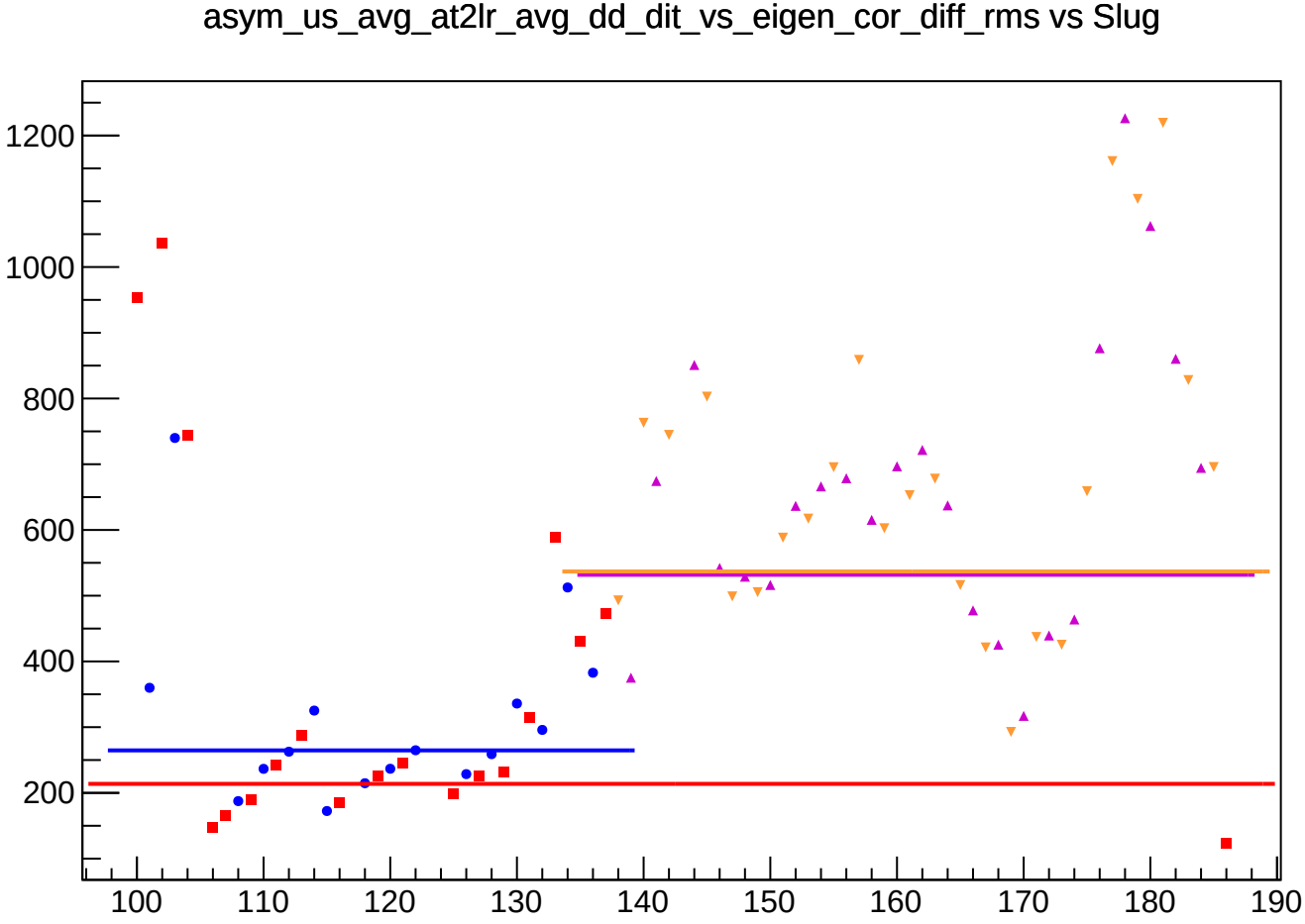
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: -0.009+/-0.089 χ²/NDF: 27.3/18
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.063+/-0.083 χ²/NDF: 38.0/39
All: 0.004+/-0.055 χ²/NDF: 94.5/81
- sign -0.042+/-0.074 χ²/NDF: 55.6/41


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
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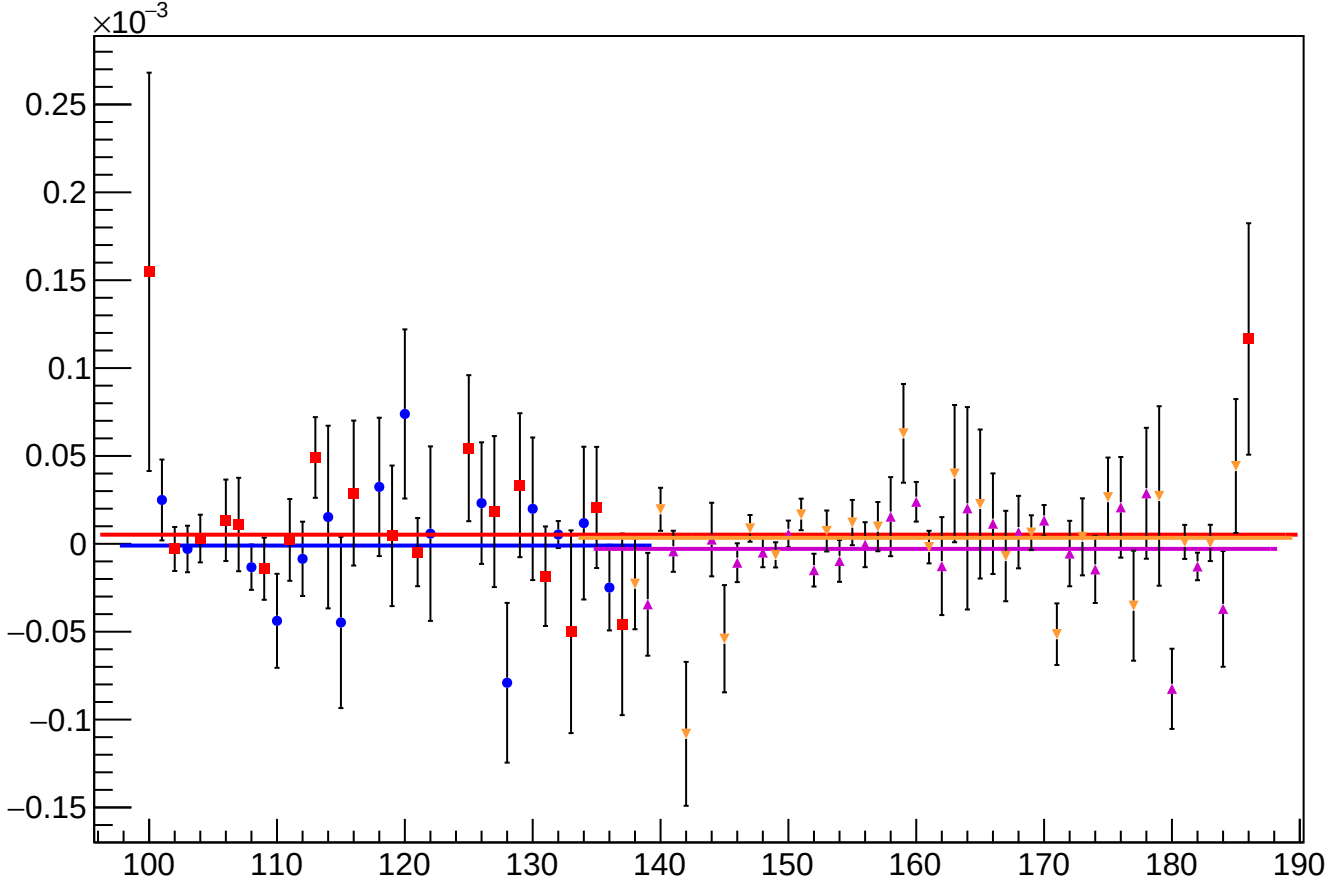
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 213.750+/-0.063 χ²/NDF: 2468480.9/18
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
+ sign 368.324+/-0.058 χ²/NDF: 10357227.3/39
All: 336.912+/-0.039 χ²/NDF: 24690832.6/81
- sign 312.003+/-0.052 χ²/NDF: 13816007.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

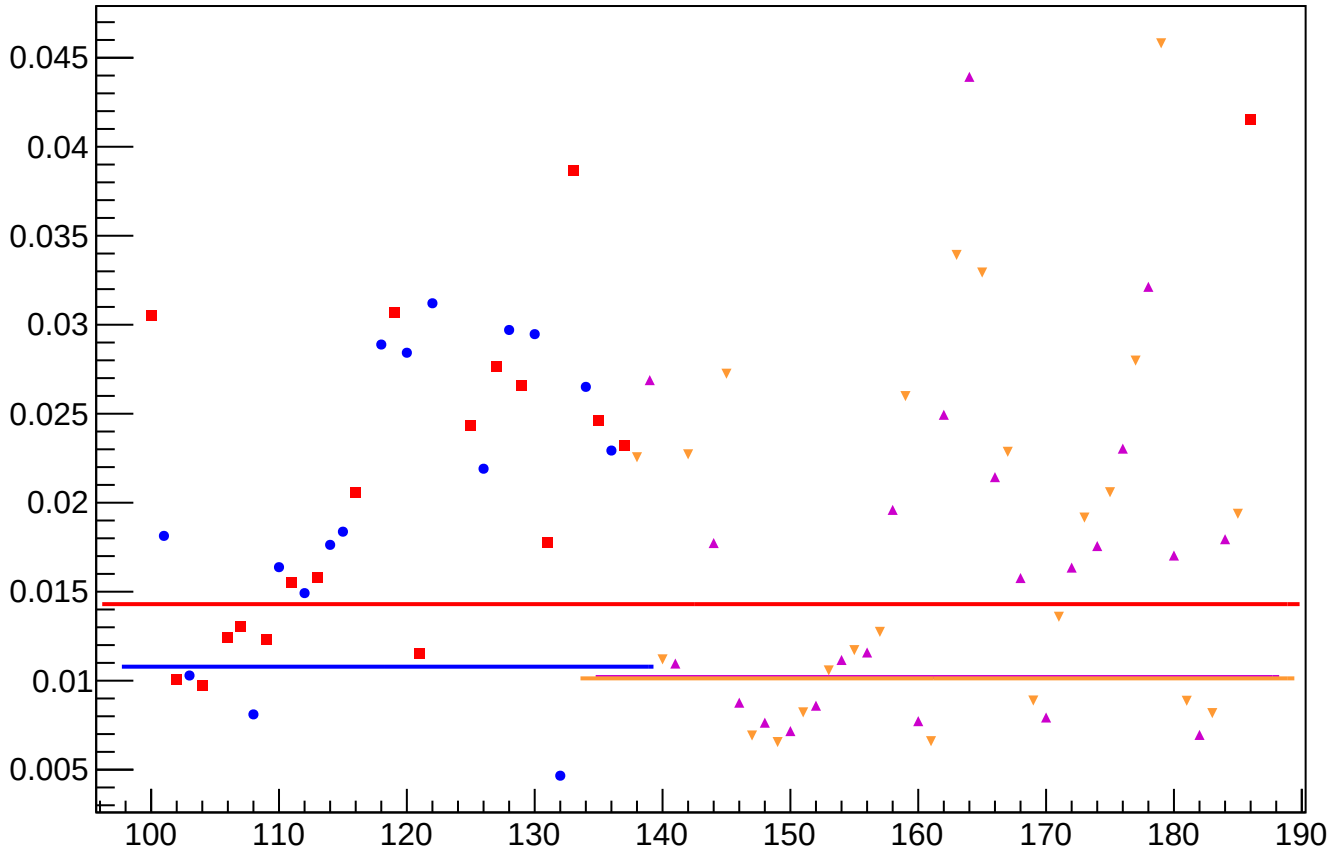
Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.0/39

All: 0.000+/-0.000 χ^2/NDF: 104.5/81

- sign -0.000+/-0.000 χ^2/NDF: 49.3/41



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.014+/-0.000 χ^2/NDF: 2430051.8/18

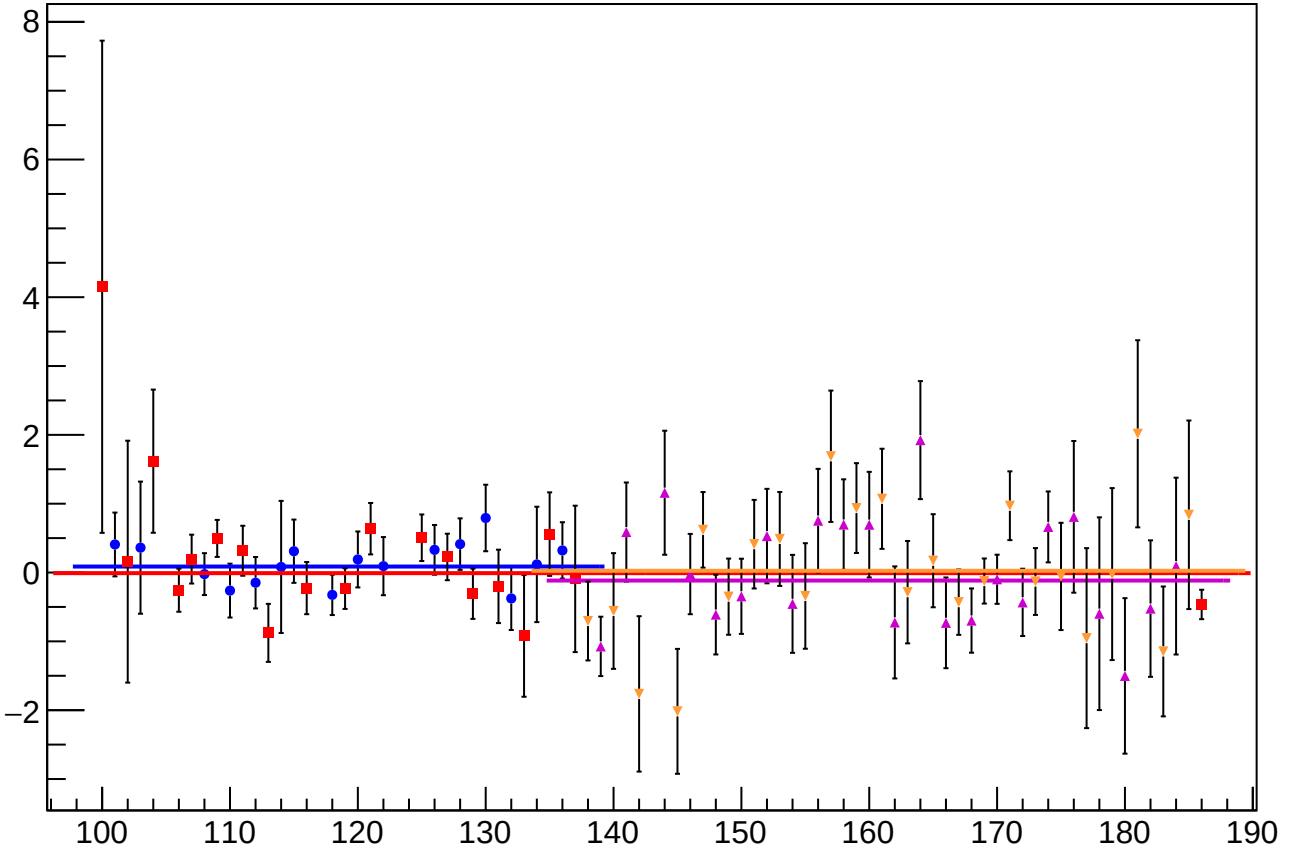
Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.010+/-0.000 χ^2/NDF: 12418962.7/39

All: 0.011+/-0.000 χ^2/NDF: 21840061.9/81

- 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



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

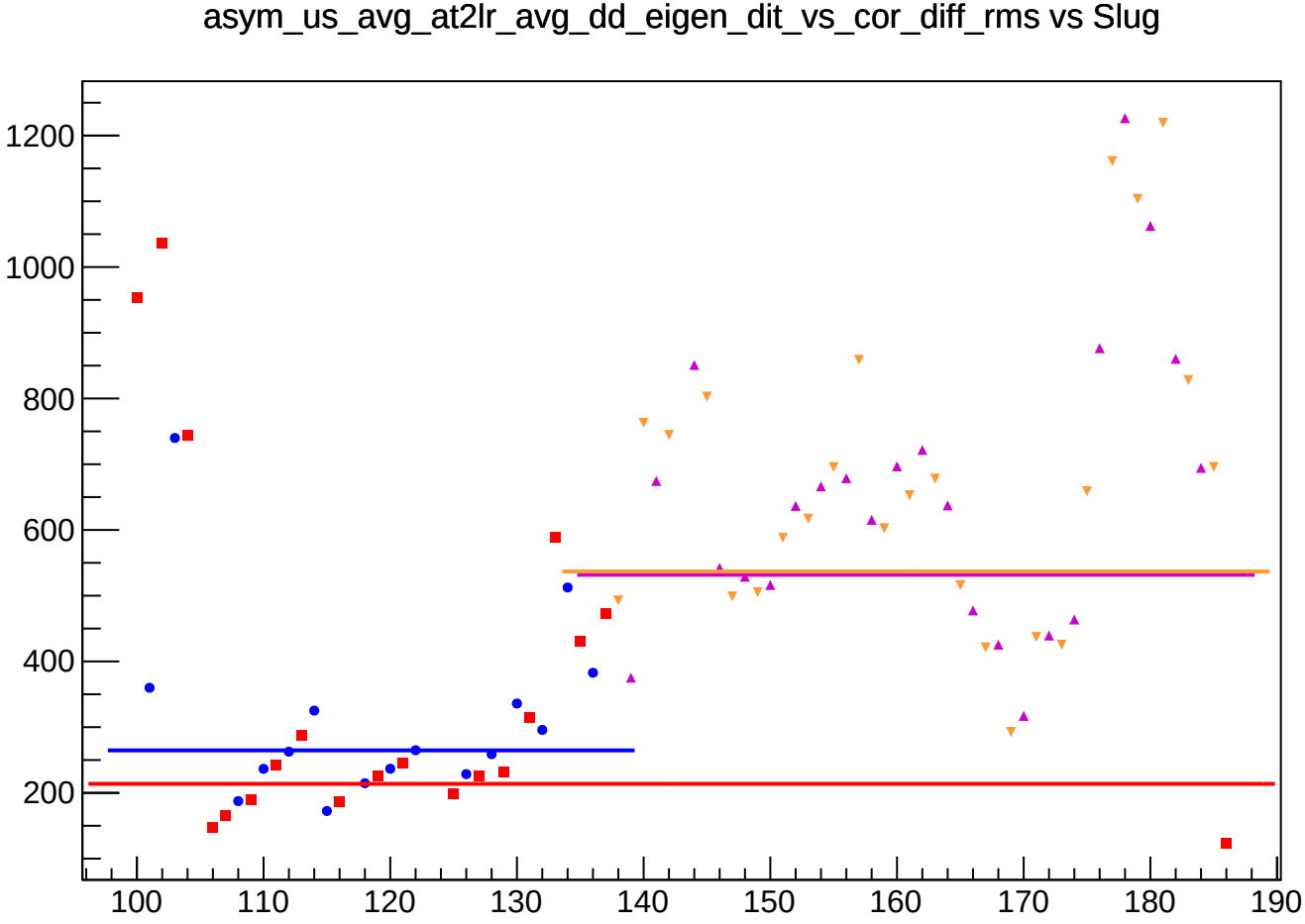
Right Out: -0.009+/-0.089 χ^2/NDF: 27.3/18

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.063+/-0.083 χ^2/NDF: 38.0/39

All: 0.004+/-0.055 χ^2/NDF: 94.5/81

- sign -0.042+/-0.074 χ^2/NDF: 55.6/41



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

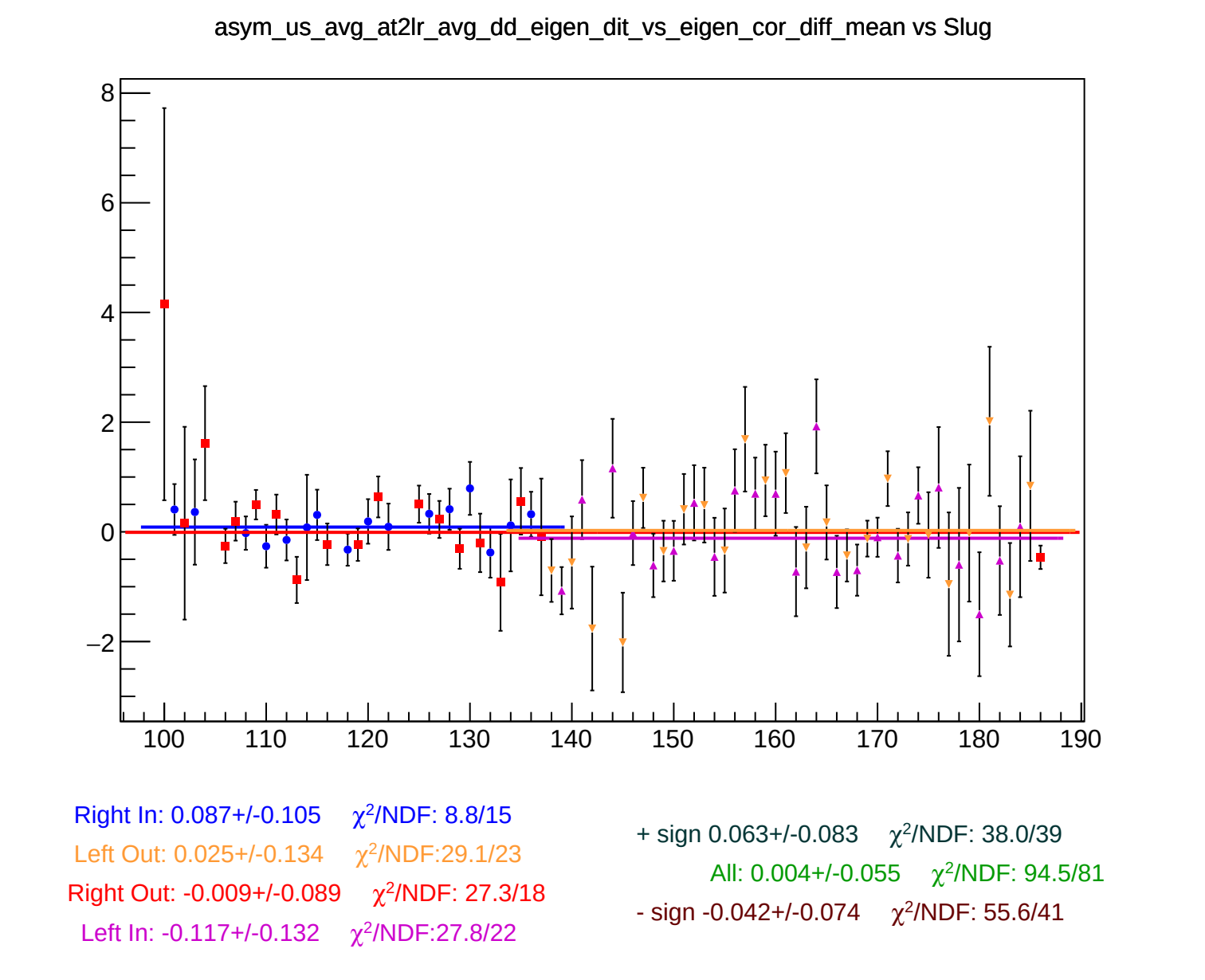
Right Out: 213.746+/-0.063 χ^2/NDF: 2468601.4/18

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 368.323+/-0.058 χ^2/NDF: 10357386.7/39

All: 336.910+/-0.039 χ^2/NDF: 24691563.0/81

- 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
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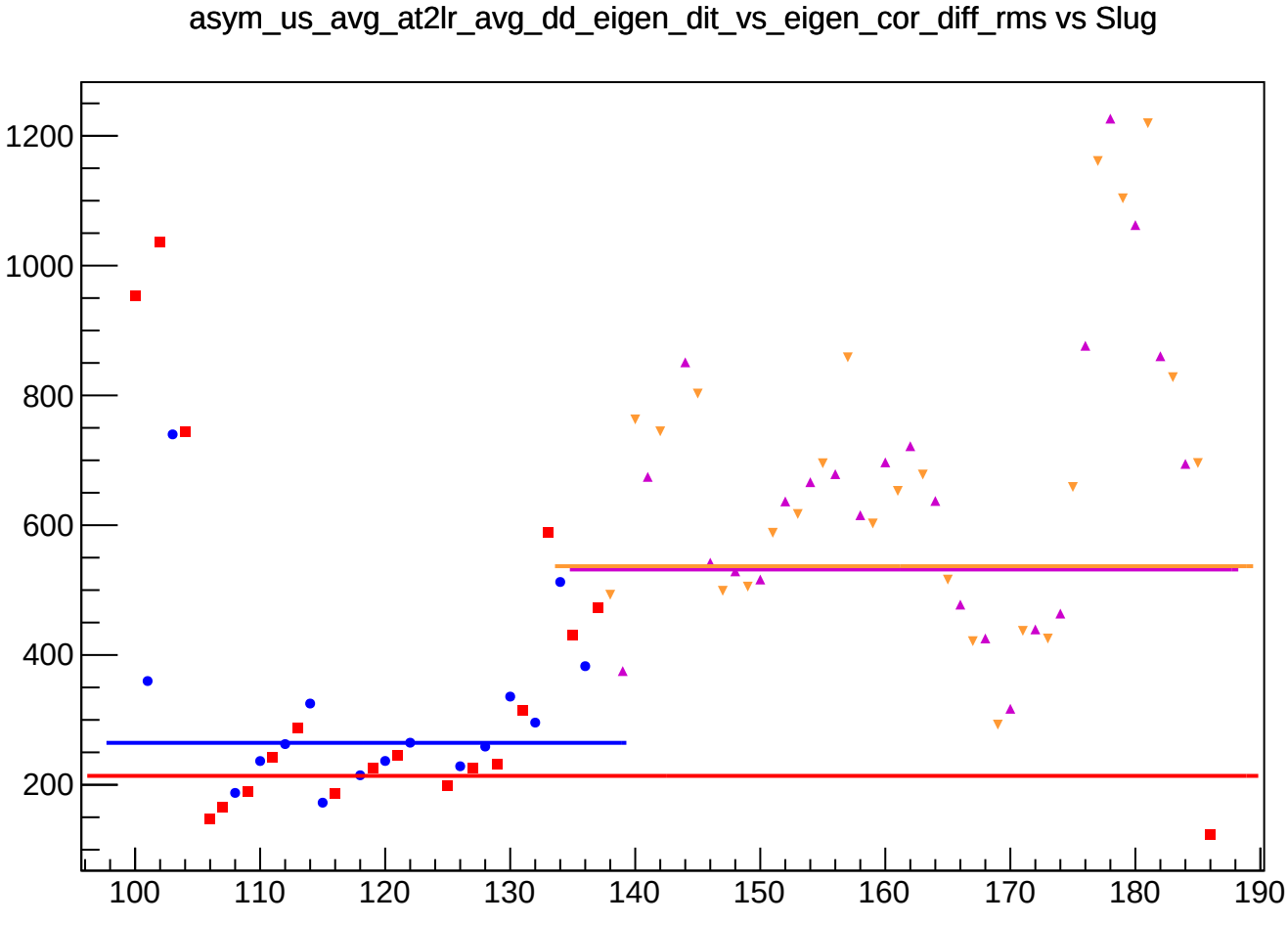
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: -0.009+/-0.089 χ²/NDF: 27.3/18
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.063+/-0.083 χ²/NDF: 38.0/39
All: 0.004+/-0.055 χ²/NDF: 94.5/81
- sign -0.042+/-0.074 χ²/NDF: 55.6/41


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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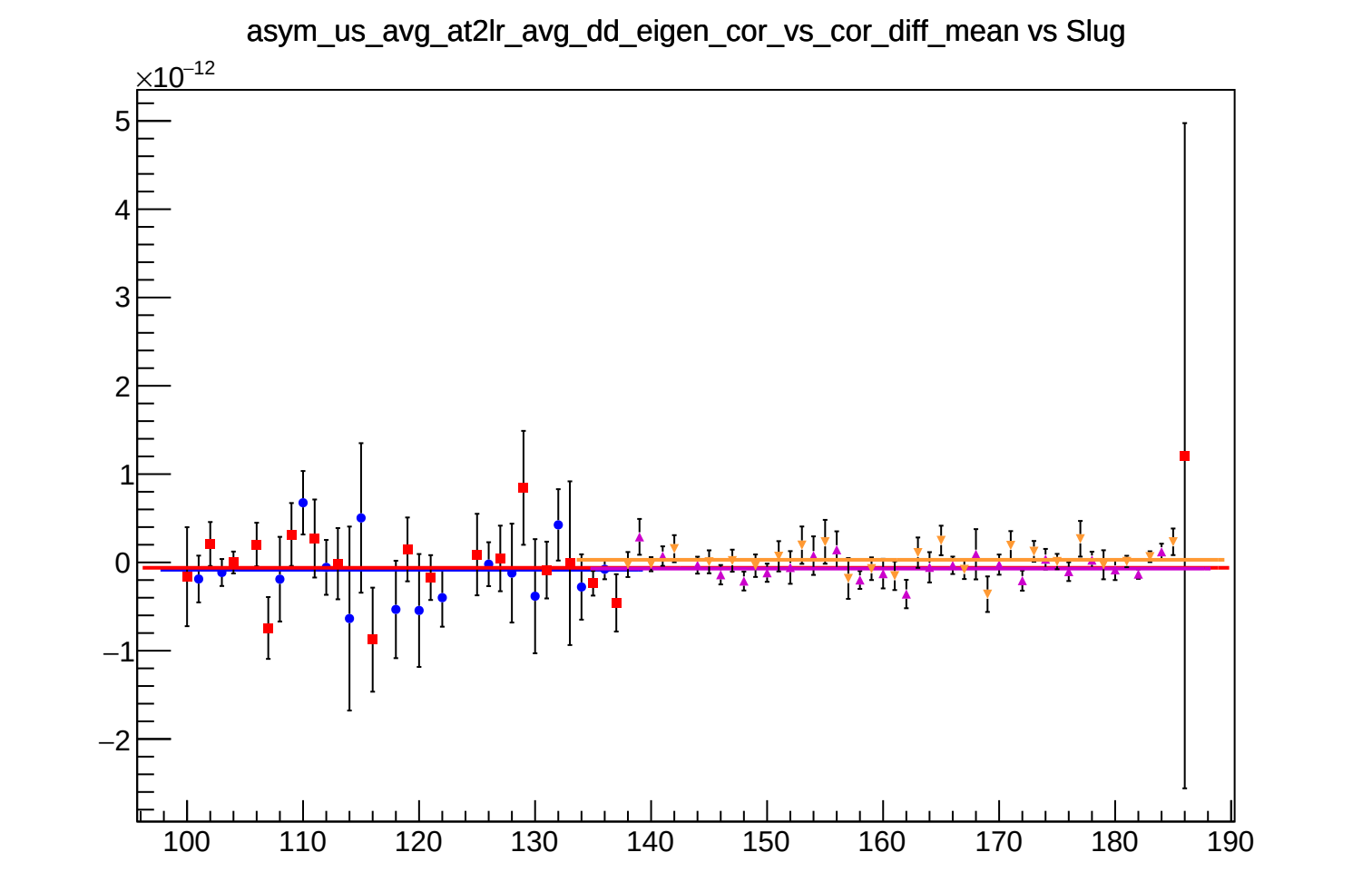
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 213.746+/-0.063 χ²/NDF: 2468601.4/18
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 368.323+/-0.058 χ²/NDF: 10357386.7/39
All: 336.910+/-0.039 χ²/NDF: 24691563.0/81
- sign 311.999+/-0.052 χ²/NDF: 13816516.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

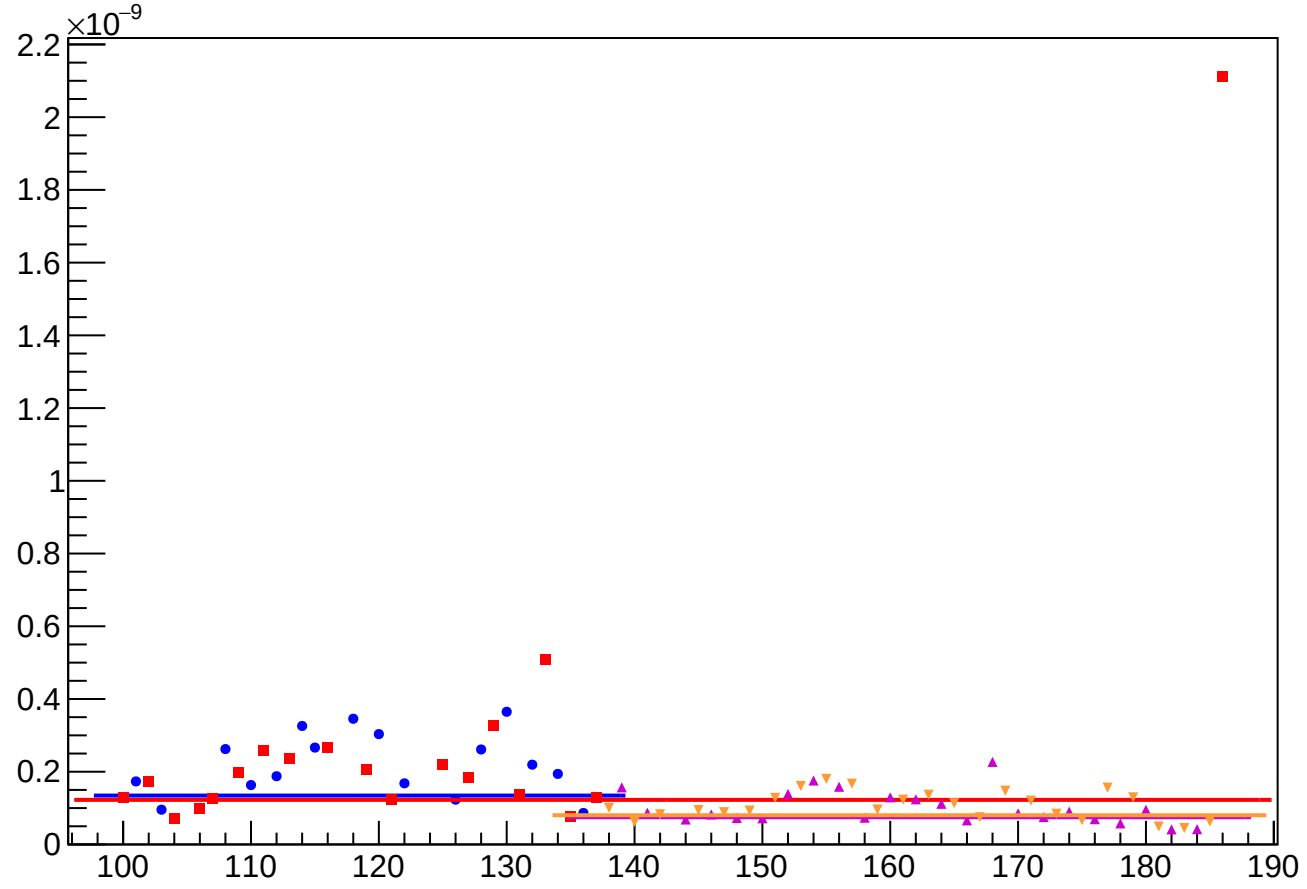
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.8/39

All: -0.000+/-0.000 χ^2/NDF: 76.4/81

- sign -0.000+/-0.000 χ^2/NDF: 39.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2561005.1/18

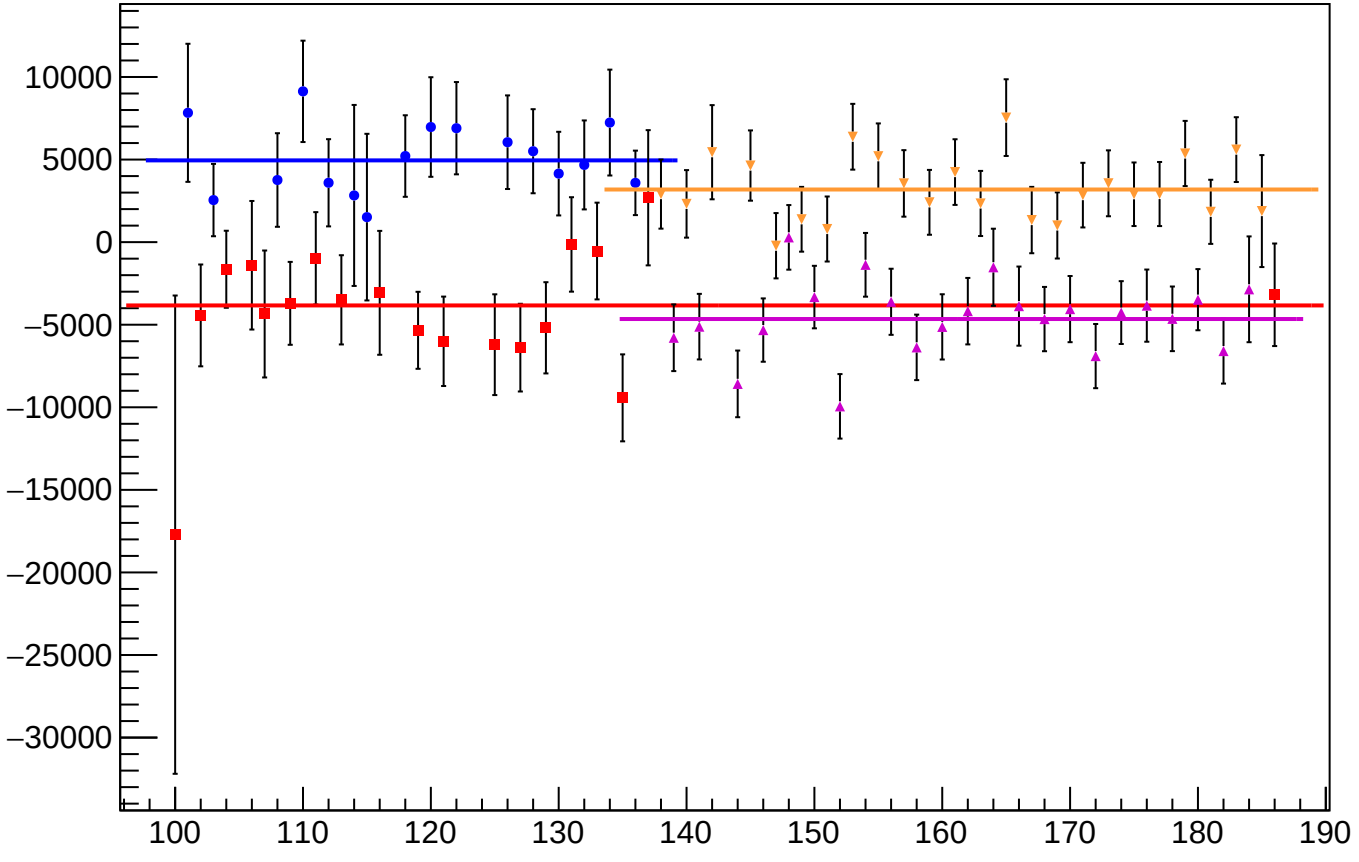
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6637905.1/39

All: 0.000+/-0.000 χ^2/NDF: 13905570.5/81

- sign 0.000+/-0.000 χ^2/NDF: 7195337.1/41

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3832.758+/-678.941 χ^2/NDF: 16.2/18

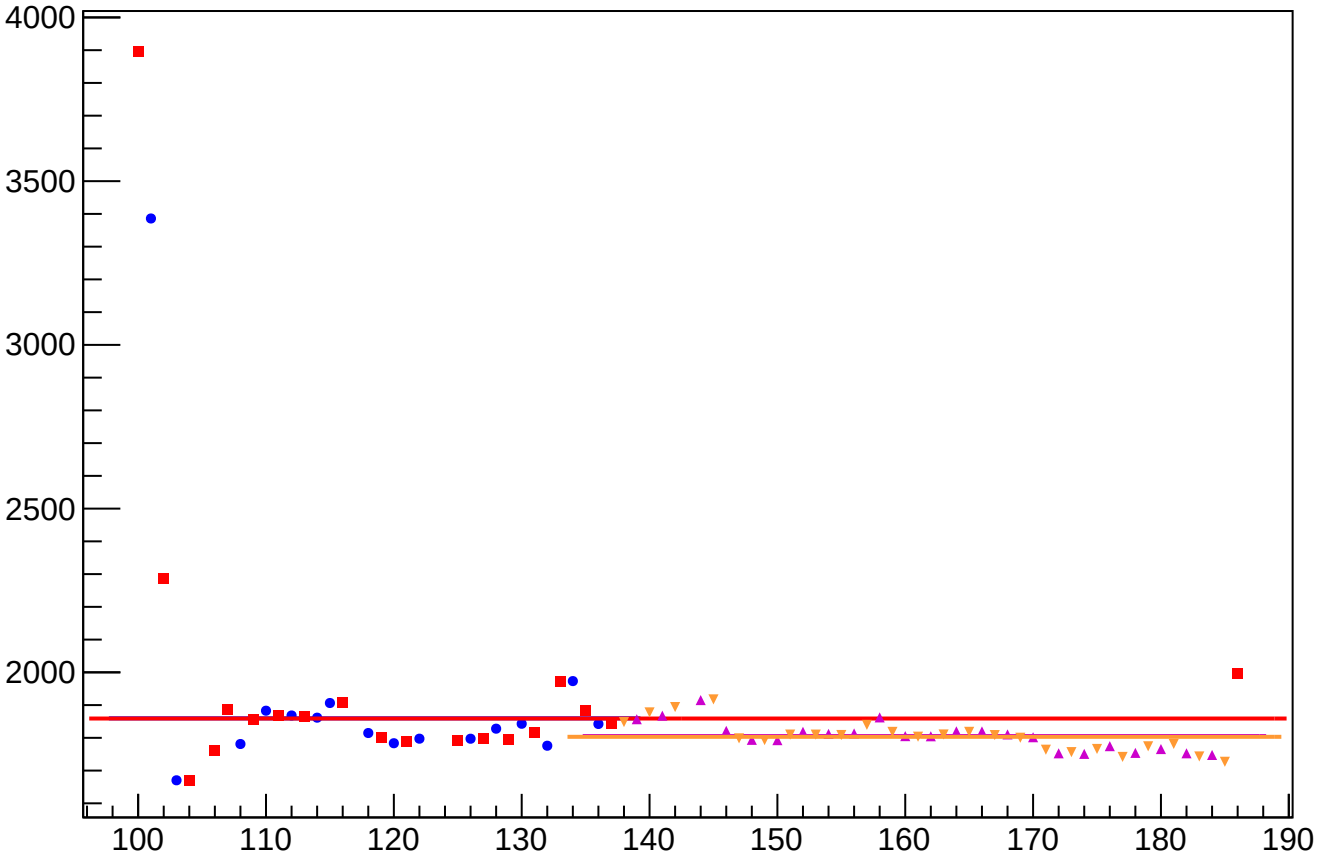
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3652.637+/-359.131 χ^2/NDF: 31.4/39

All: -397.070+/-253.621 χ^2/NDF: 330.0/81

- sign -4426.254+/-358.220 χ^2/NDF: 45.0/41

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

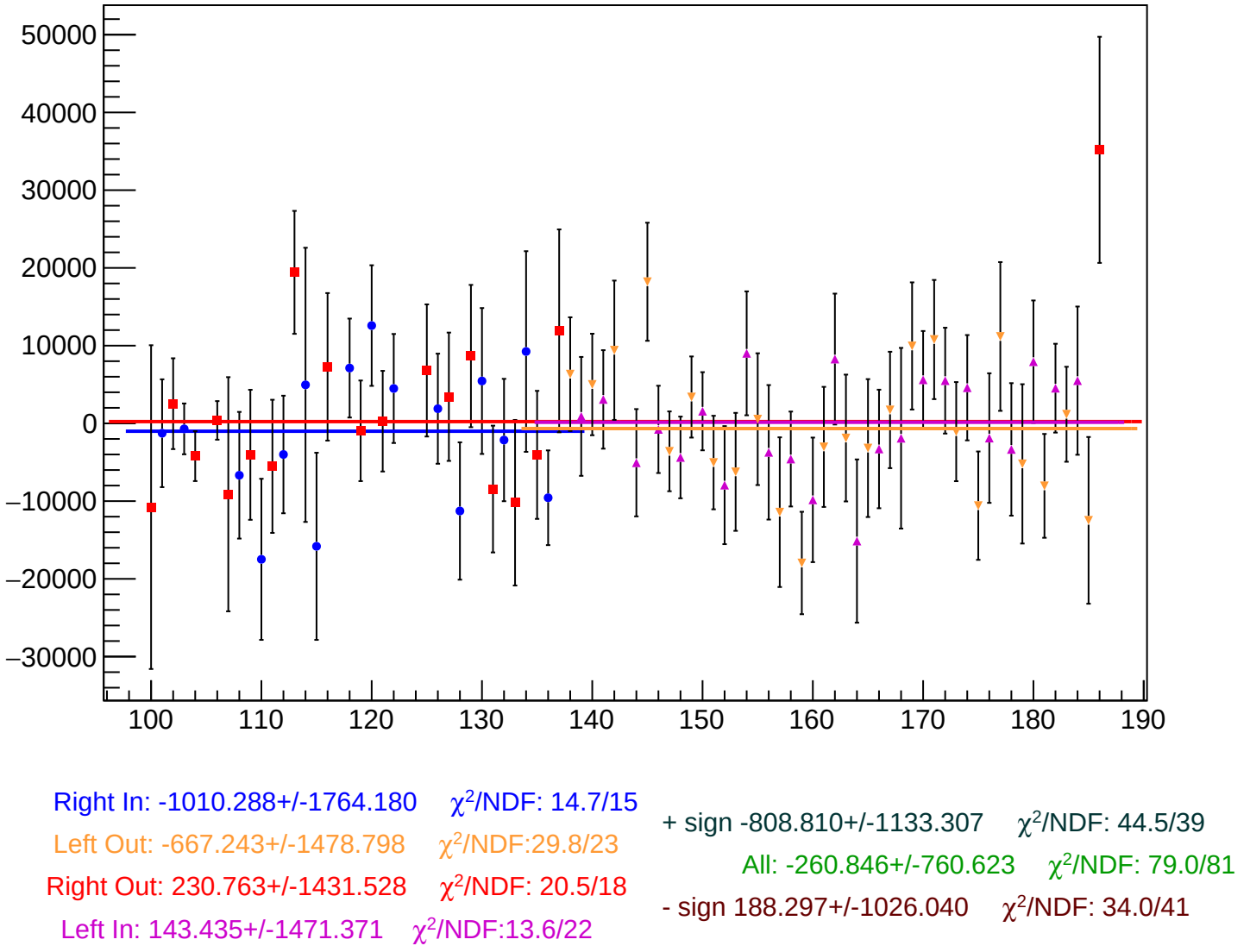
Right Out: 1858.971+/-0.479 χ^2/NDF: 106382.4/18

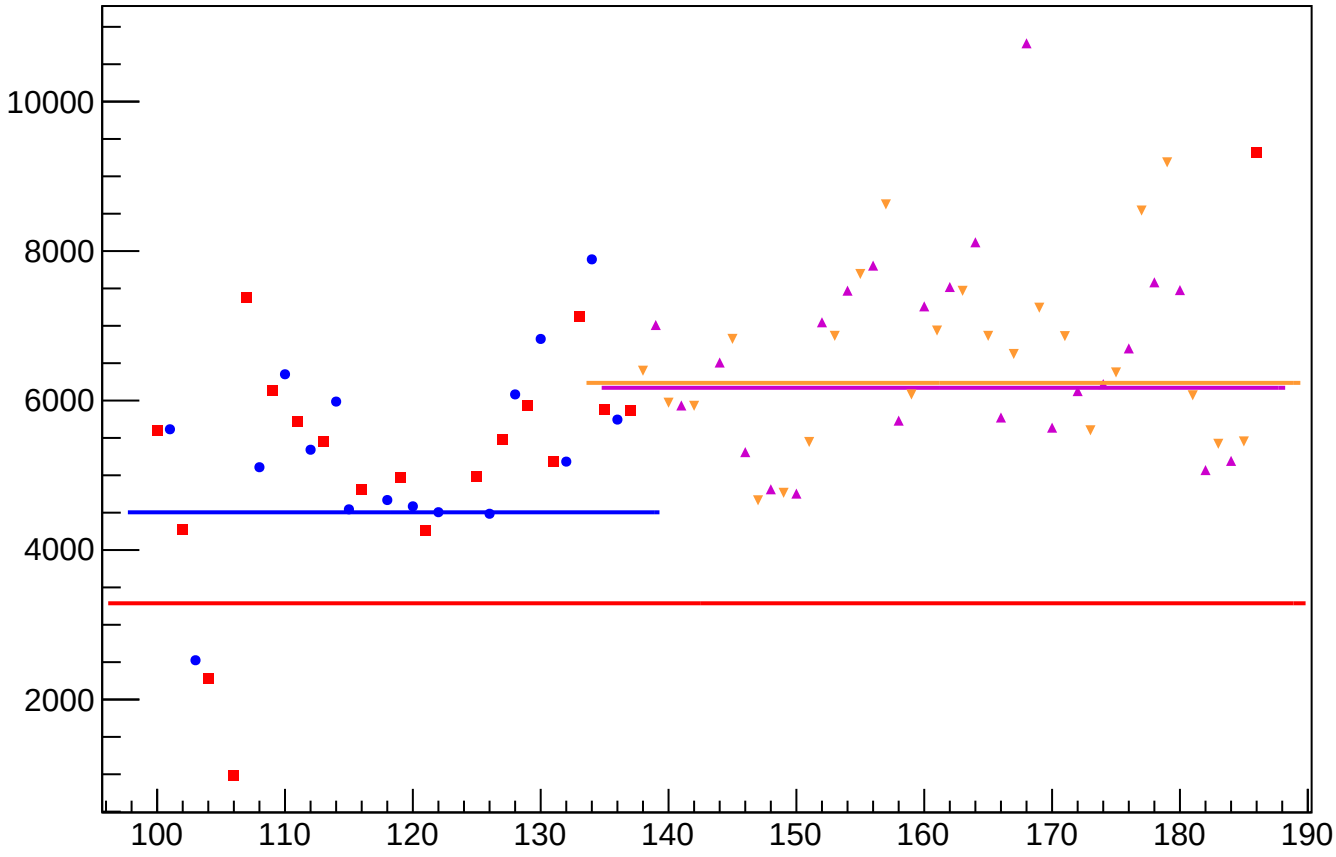
Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1818.004+/-0.254 χ^2/NDF: 322558.7/39

All: 1819.251+/-0.179 χ^2/NDF: 457273.4/81

- 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: -1010.288+/-1764.180 χ²/NDF: 14.7/15
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 -808.810+/-1133.307 χ²/NDF: 44.5/39
All: -260.846+/-760.623 χ²/NDF: 79.0/81
- sign 188.297+/-1026.040 χ²/NDF: 34.0/41



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 3287.615+/-1.012 χ^2/NDF: 4303711.6/18

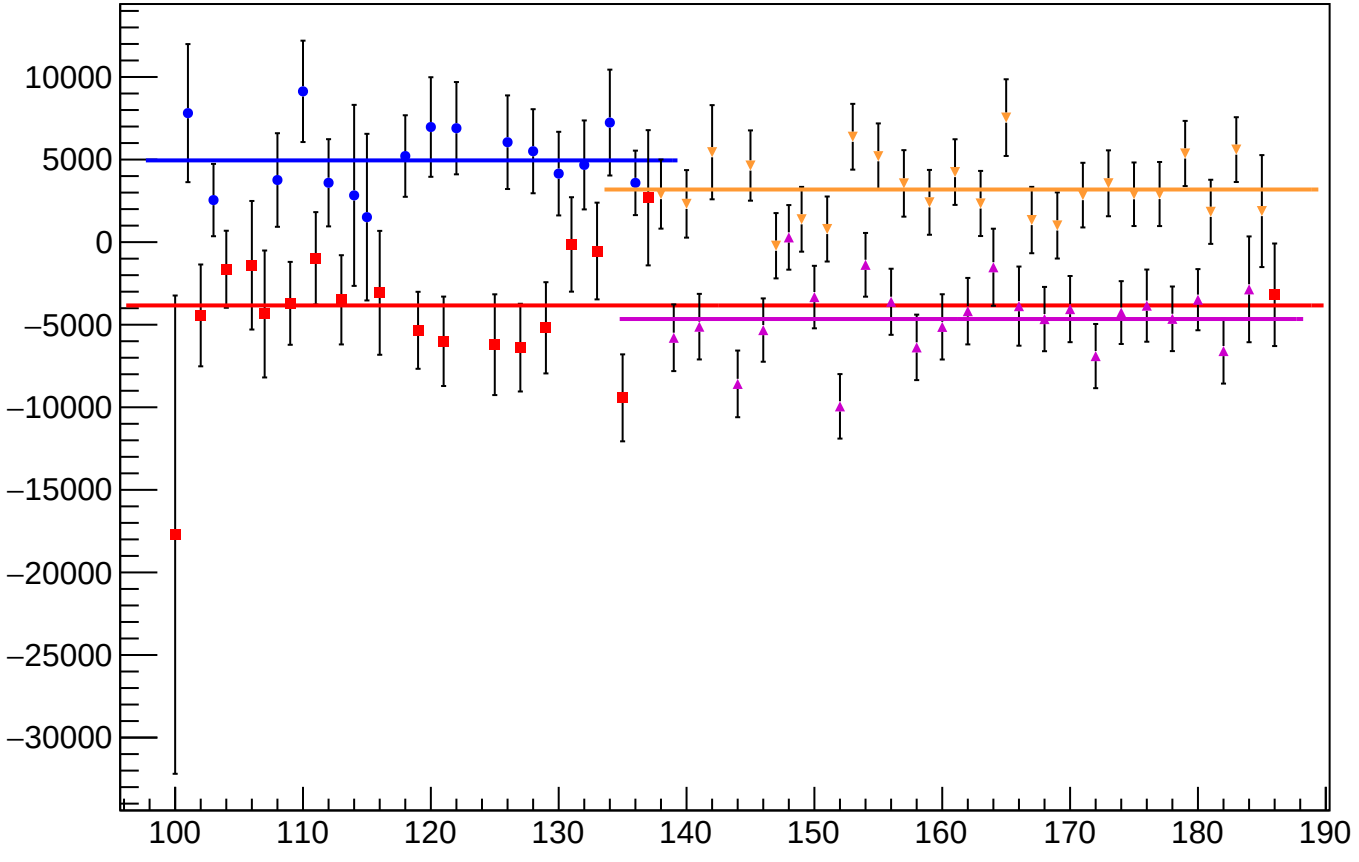
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5521.944+/-0.801 χ^2/NDF: 3520750.6/39

All: 5064.547+/-0.538 χ^2/NDF: 13599907.0/8

- sign 4689.638+/-0.726 χ^2/NDF: 9486354.4/41

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3832.544+/-678.941 χ^2/NDF: 16.2/18

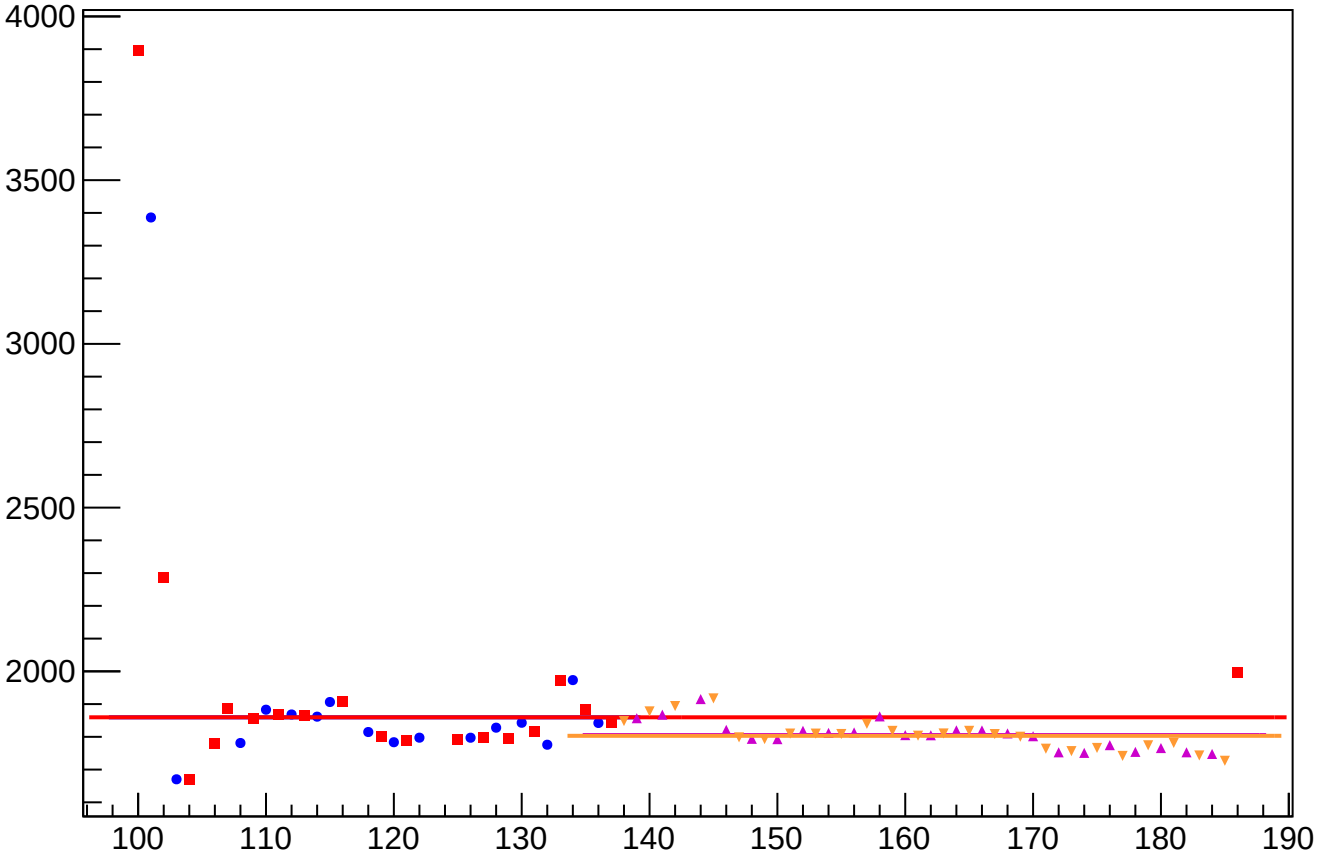
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3652.459+/-359.131 χ^2/NDF: 31.4/39

All: -397.136+/-253.621 χ^2/NDF: 330.0/81

- sign -4426.208+/-358.220 χ^2/NDF: 45.0/41

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

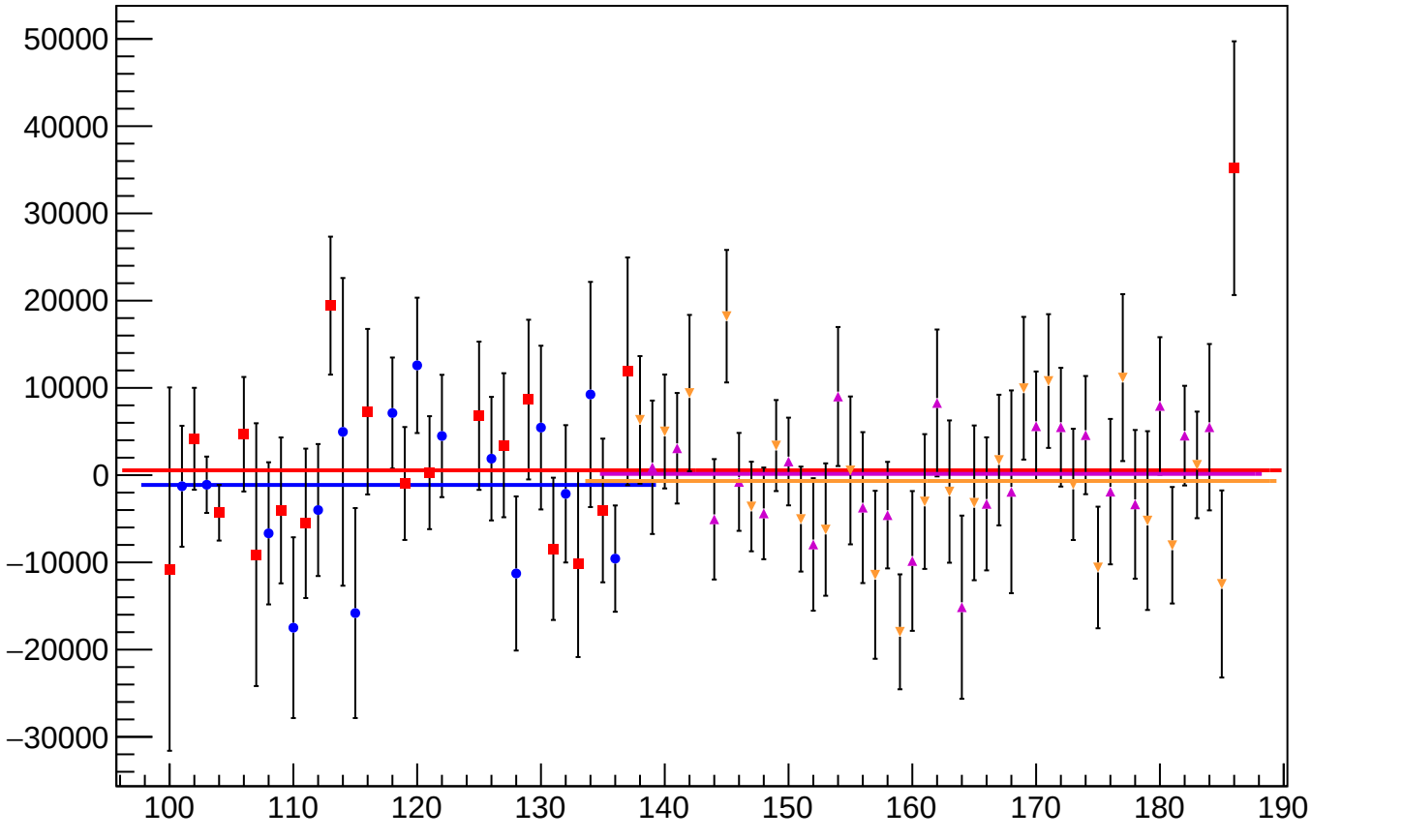
Right Out: 1859.647+/-0.479 χ^2/NDF: 105879.8/18

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.004+/-0.254 χ^2/NDF: 322560.5/39

All: 1819.342+/-0.179 χ^2/NDF: 457004.5/81

- sign 1820.672+/-0.253 χ^2/NDF: 134388.6/41



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: 552.897+/-1690.897 χ^2/NDF: 21.3/18

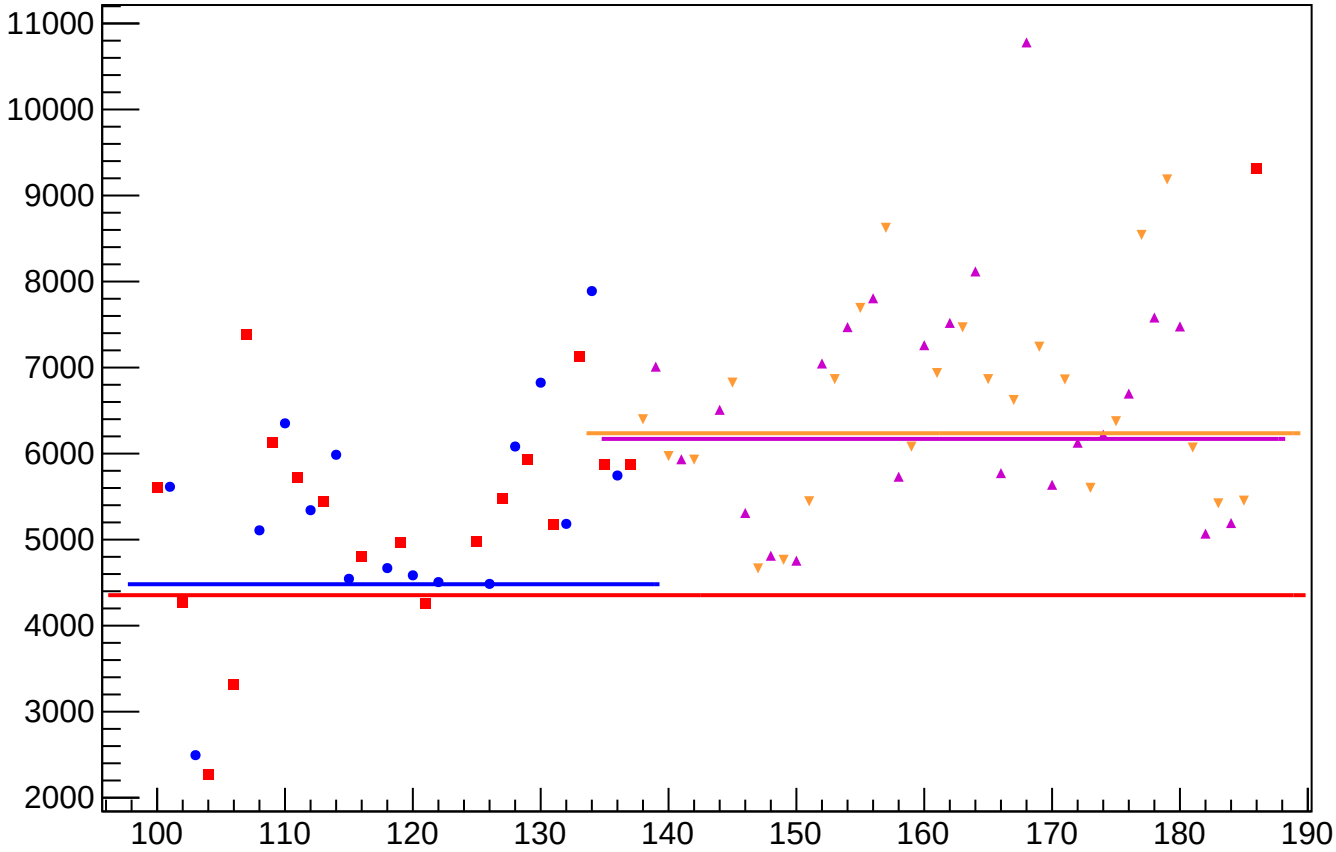
Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

\+ sign -857.179+/-1131.631 χ^2/NDF: 44.5/39

All: -257.298+/-792.415 χ^2/NDF: 80.0/81

\- sign 319.840+/-1109.971 χ^2/NDF: 34.9/41

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

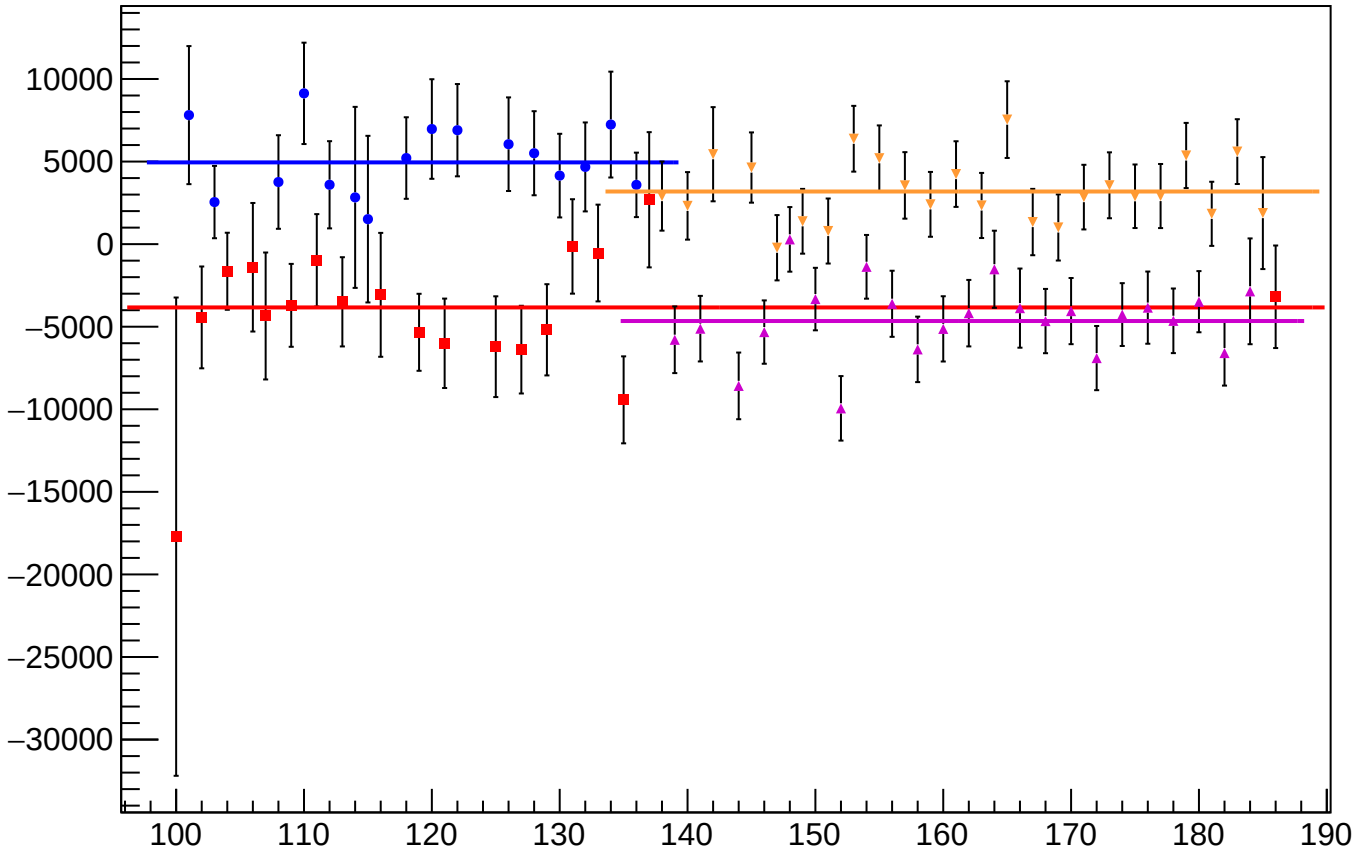
Right Out: 4354.158+/-1.196 χ^2/NDF: 1786097.2/18

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5509.292+/-0.800 χ^2/NDF: 3597421.4/39

All: 5447.464+/-0.560 χ^2/NDF: 7946534.0/81

- sign 5387.980+/-0.785 χ^2/NDF: 4337398.4/41



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3832.544+/-678.941 χ^2/NDF: 16.2/18

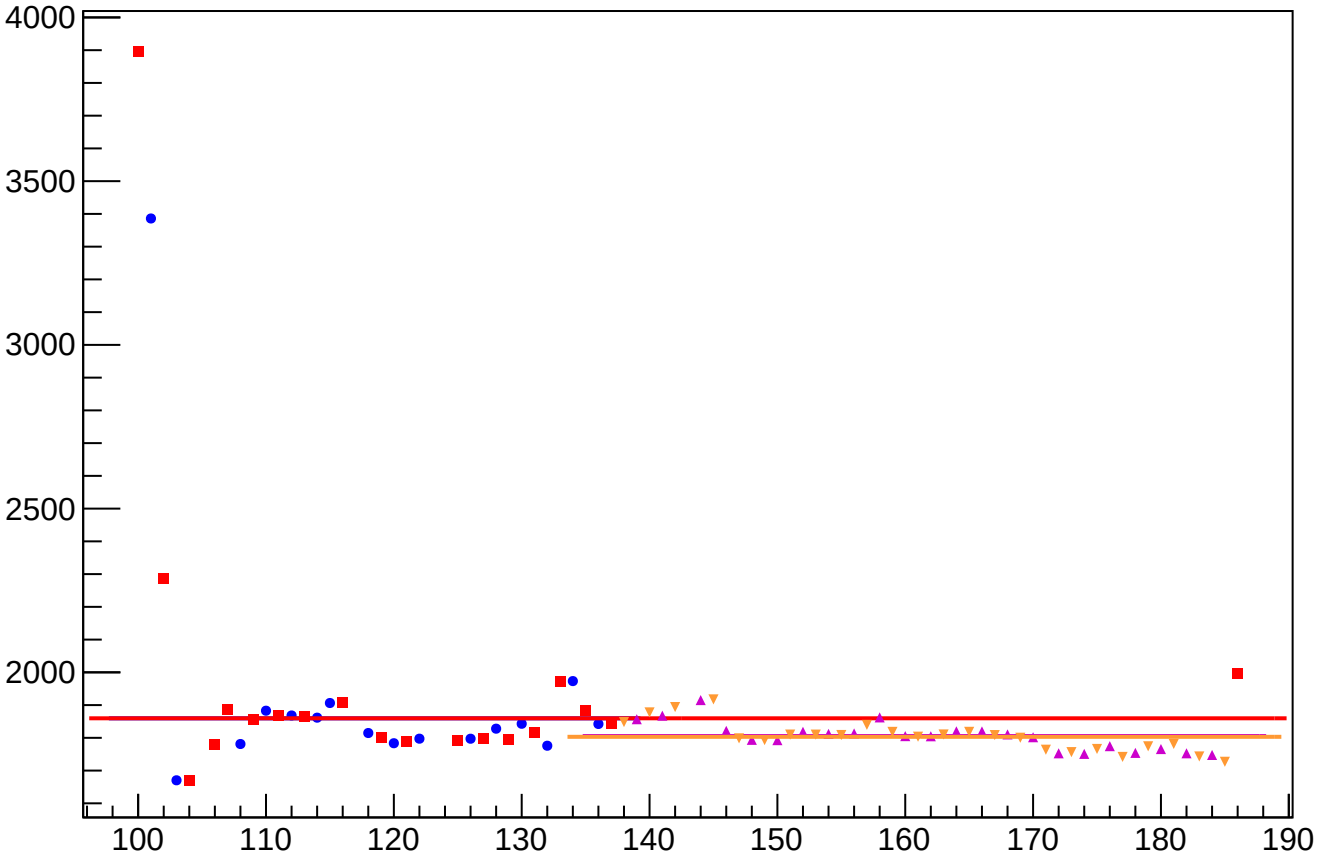
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3652.459+/-359.131 χ^2/NDF: 31.4/39

All: -397.136+/-253.621 χ^2/NDF: 330.0/81

- sign -4426.208+/-358.220 χ^2/NDF: 45.0/41

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

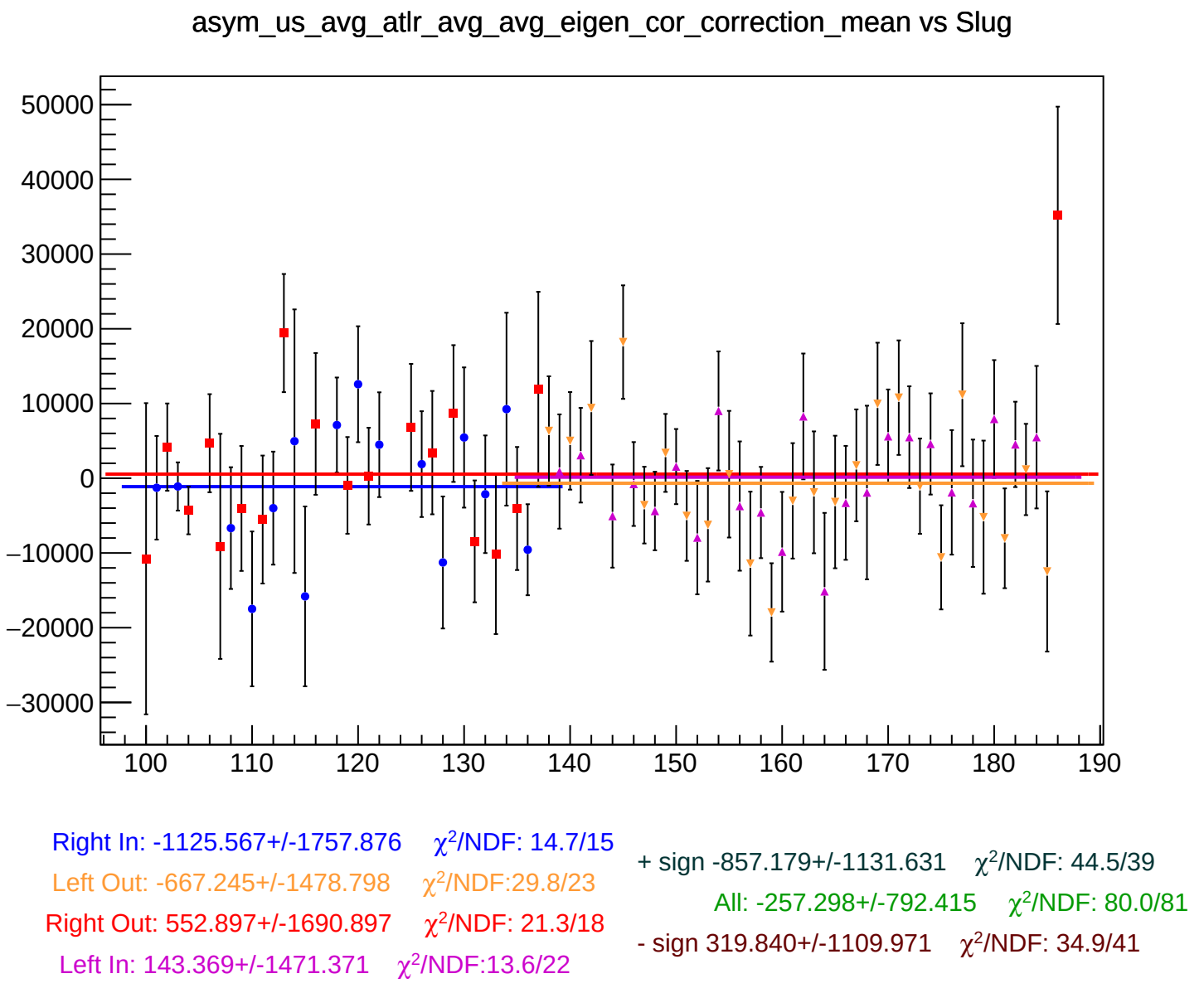
Right Out: 1859.647+/-0.479 χ^2/NDF: 105879.8/18

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.004+/-0.254 χ^2/NDF: 322560.5/39

All: 1819.342+/-0.179 χ^2/NDF: 457004.5/81

- 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
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20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
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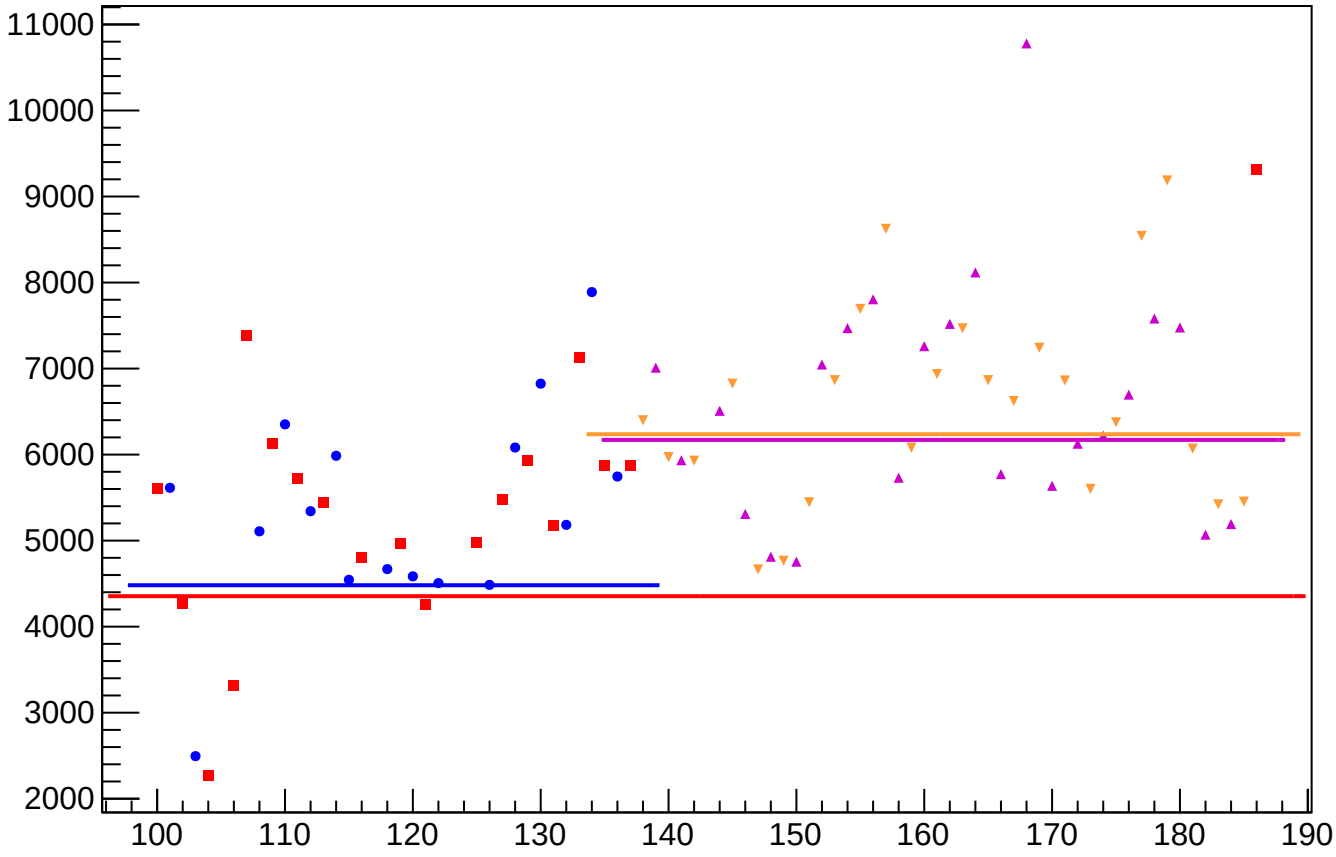
160
170
180
190
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 552.897+/-1690.897 χ²/NDF: 21.3/18
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -857.179+/-1131.631 χ²/NDF: 44.5/39
All: -257.298+/-792.415 χ²/NDF: 80.0/81
- sign 319.840+/-1109.971 χ²/NDF: 34.9/41



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4354.158+/-1.196 χ^2/NDF: 1786097.2/18

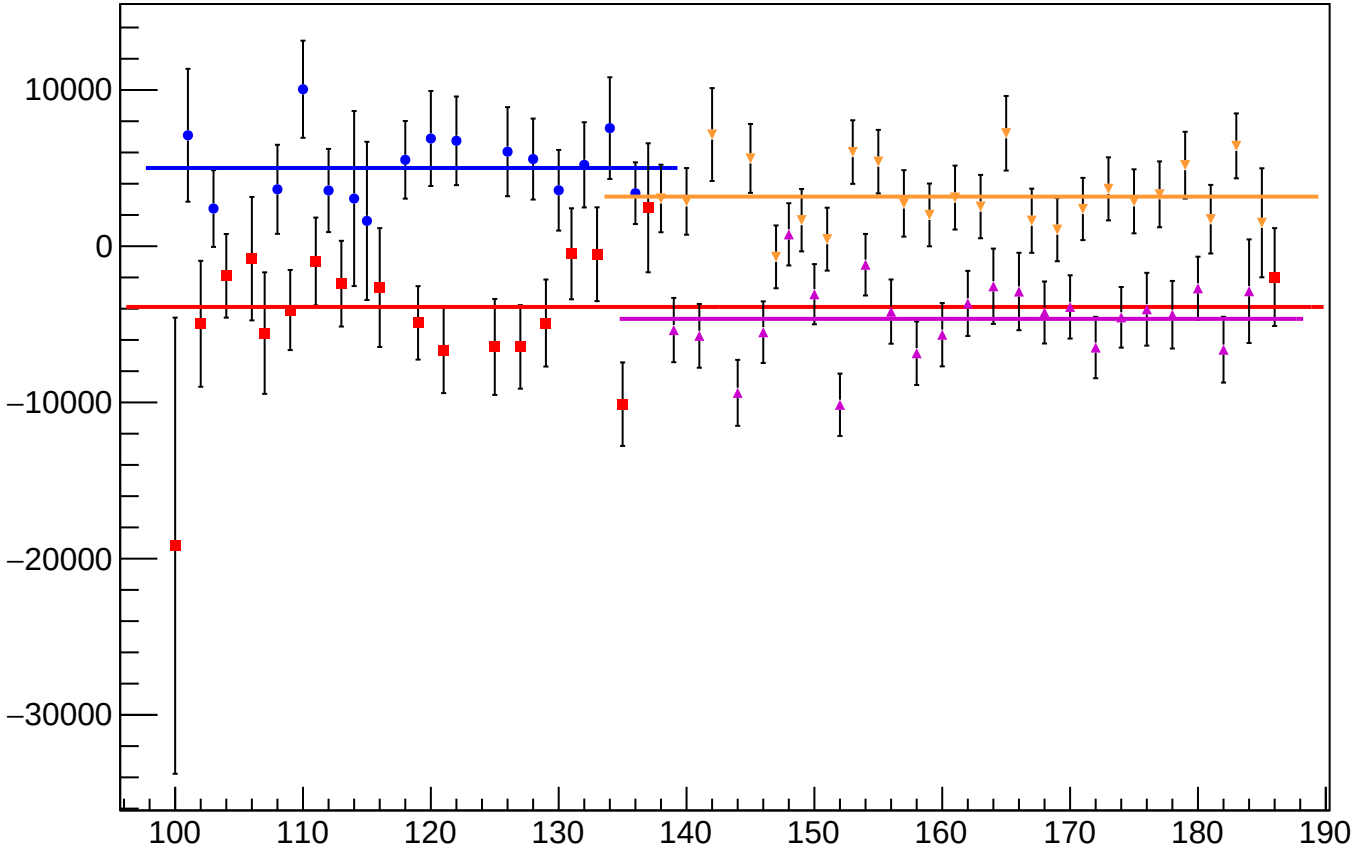
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5509.292+/-0.800 χ^2/NDF: 3597421.4/39

All: 5447.464+/-0.560 χ^2/NDF: 7946534.0/81

- sign 5387.980+/-0.785 χ^2/NDF: 4337398.4/41

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -3888.301+/-700.790 χ^2/NDF: 17.8/18

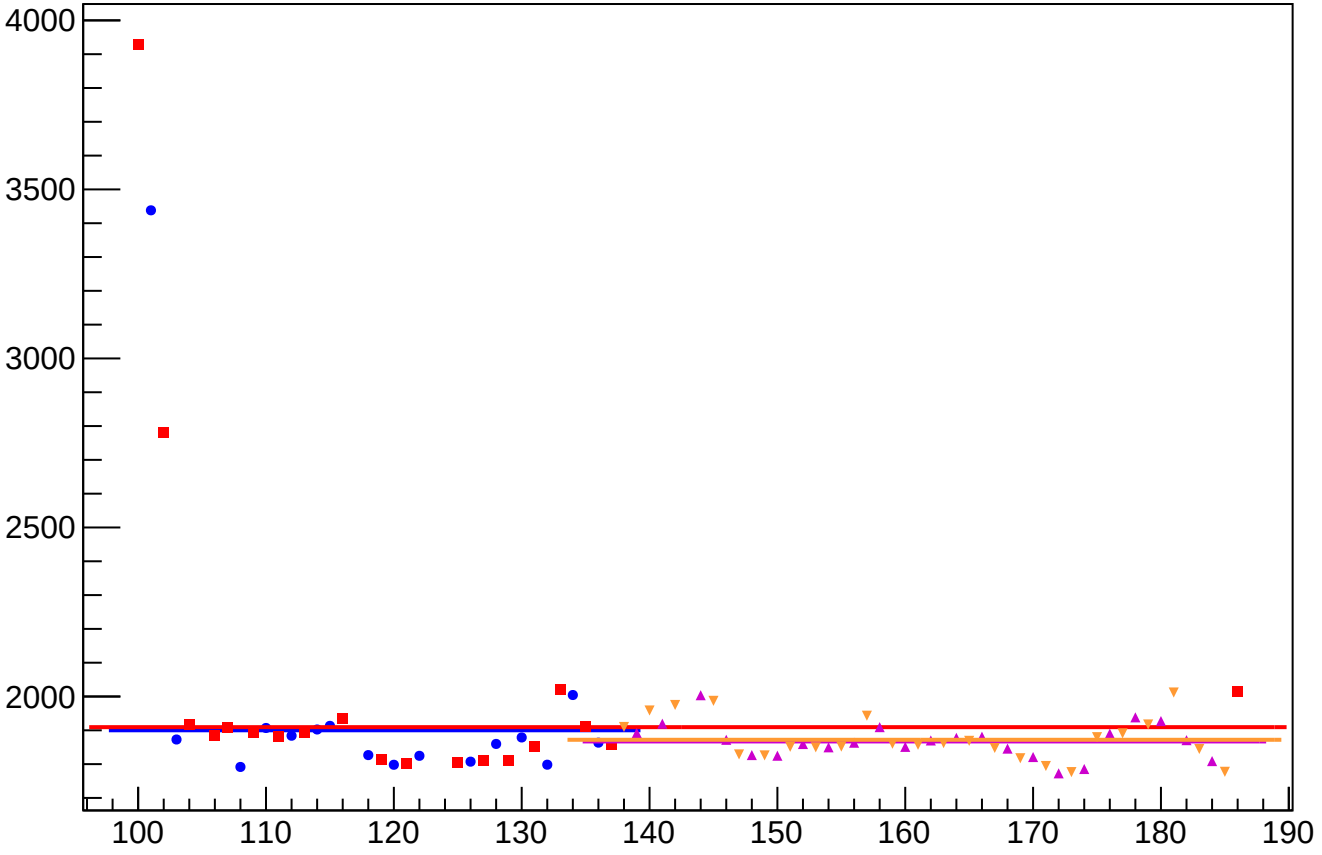
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3670.310+/-371.379 χ^2/NDF: 34.0/39

All: -395.232+/-262.230 χ^2/NDF: 322.2/81

- sign -4437.634+/-370.321 χ^2/NDF: 49.2/41

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

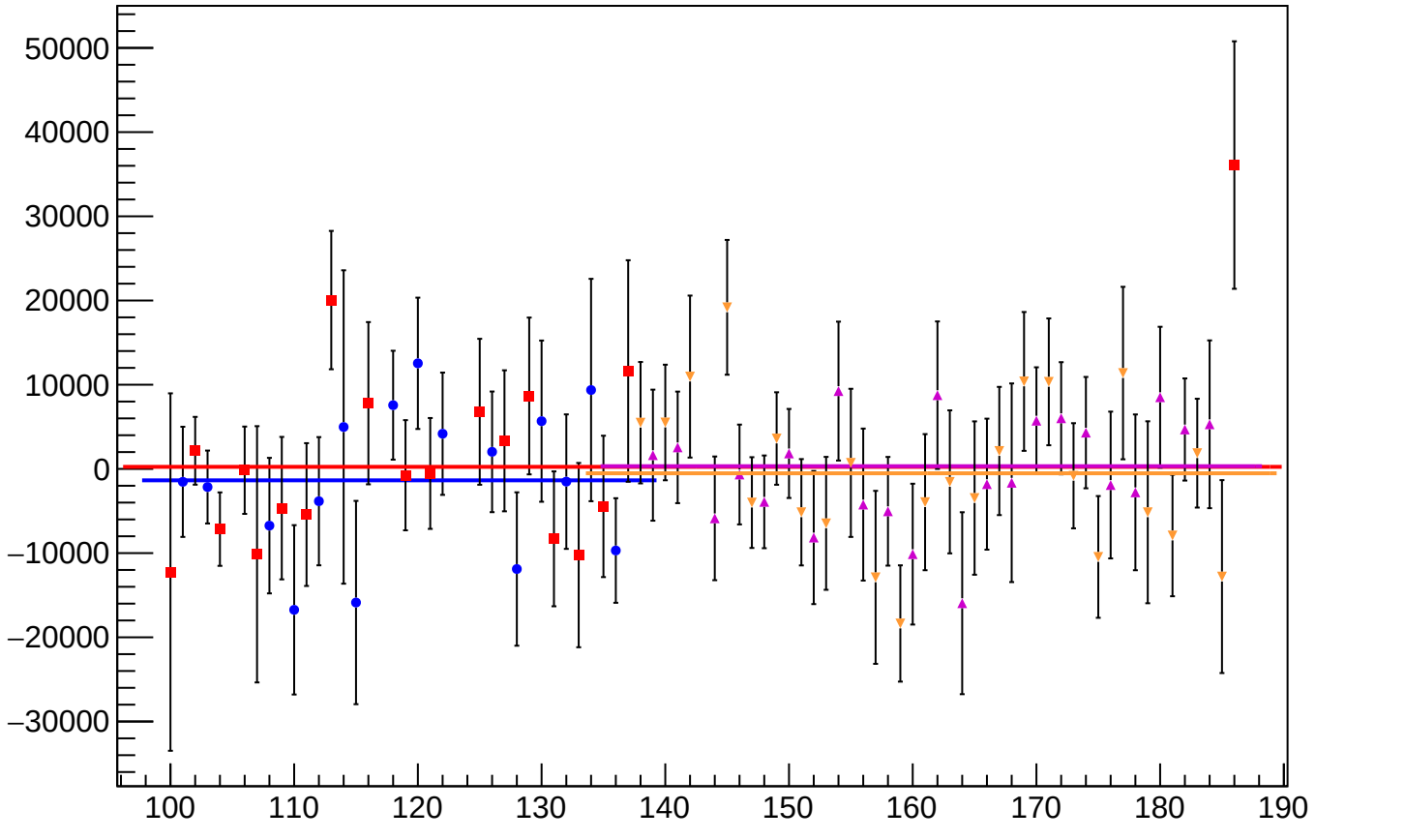
Right Out: 1909.359+/-0.495 χ^2/NDF: 152489.5/18

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1879.589+/-0.263 χ^2/NDF: 317867.6/39

All: 1879.245+/-0.185 χ^2/NDF: 502862.0/81

- sign 1878.903+/-0.262 χ^2/NDF: 184990.9/41



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

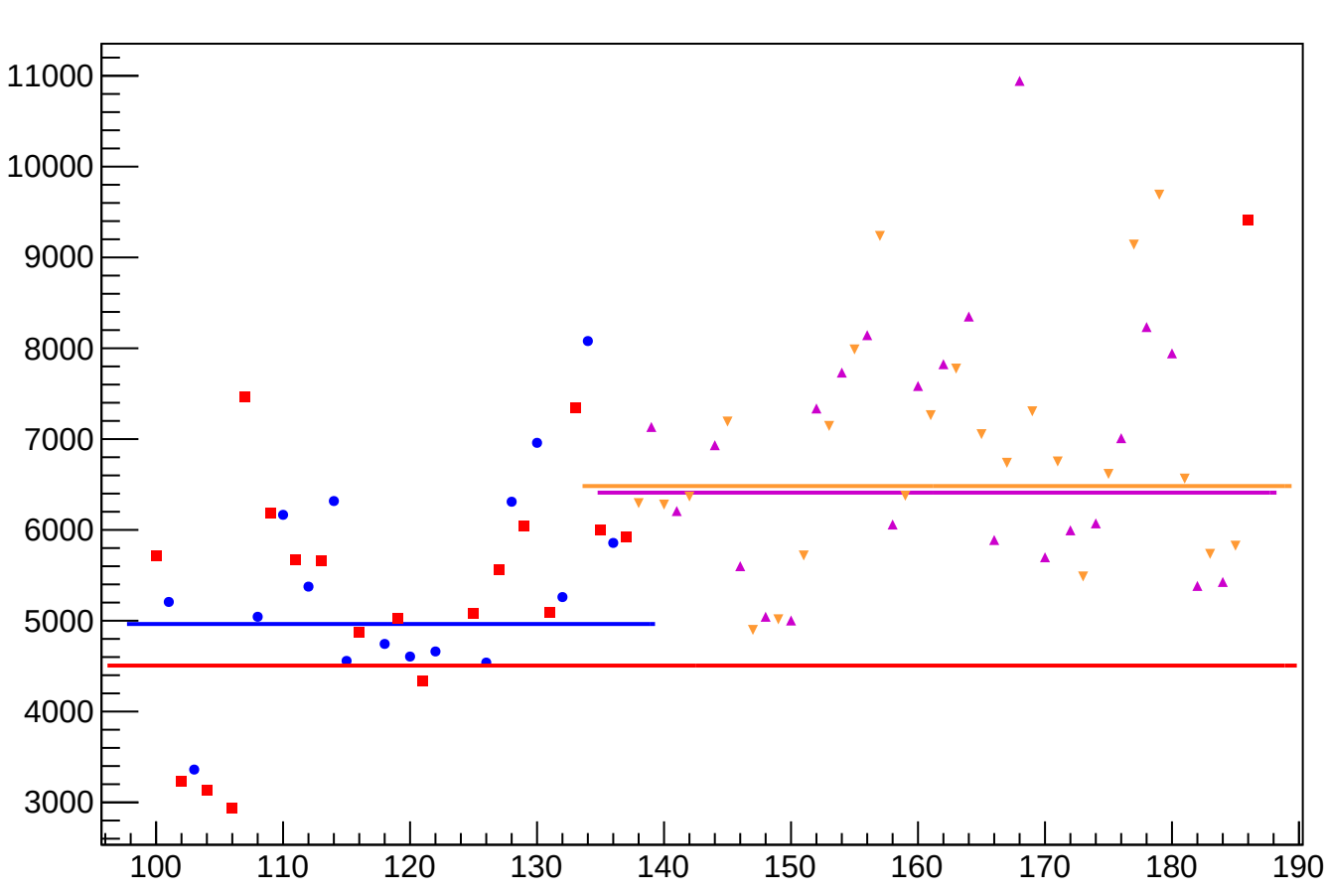
Right Out: 245.546+/-1701.170 χ^2/NDF: 21.8/18

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -851.870+/-1193.862 χ^2/NDF: 44.0/39

All: -253.338+/-823.260 χ^2/NDF: 79.7/81

- sign 289.314+/-1136.765 χ^2/NDF: 35.2/41



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 4506.291+/-1.203 χ^2/NDF: 1384373.8/18

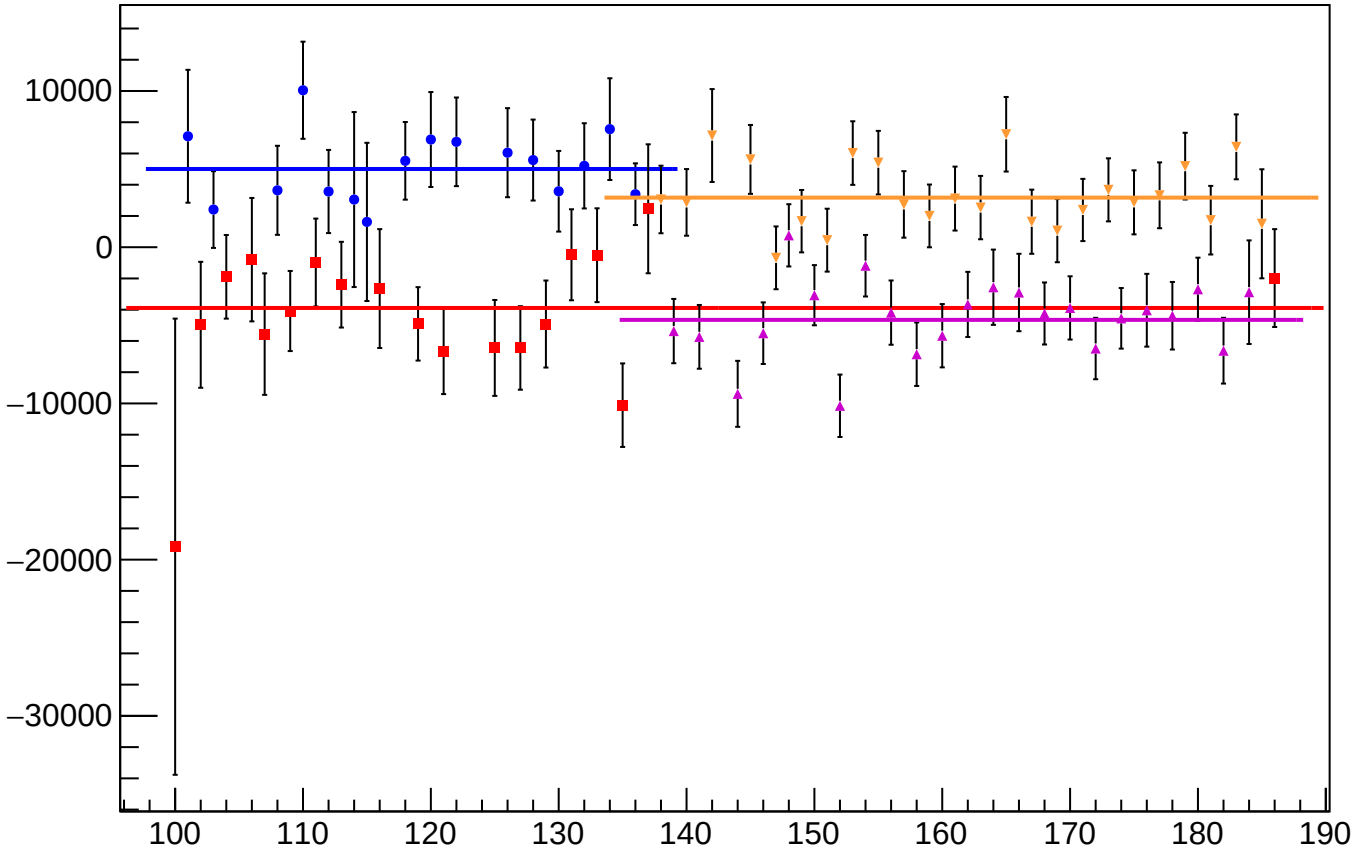
Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 5880.563+/-0.844 χ^2/NDF: 2476427.4/39

All: 5712.526+/-0.582 χ^2/NDF: 6543008.3/81

- sign 5560.178+/-0.804 χ^2/NDF: 3991037.0/41

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -3888.303+/-700.790 χ^2/NDF: 17.8/18

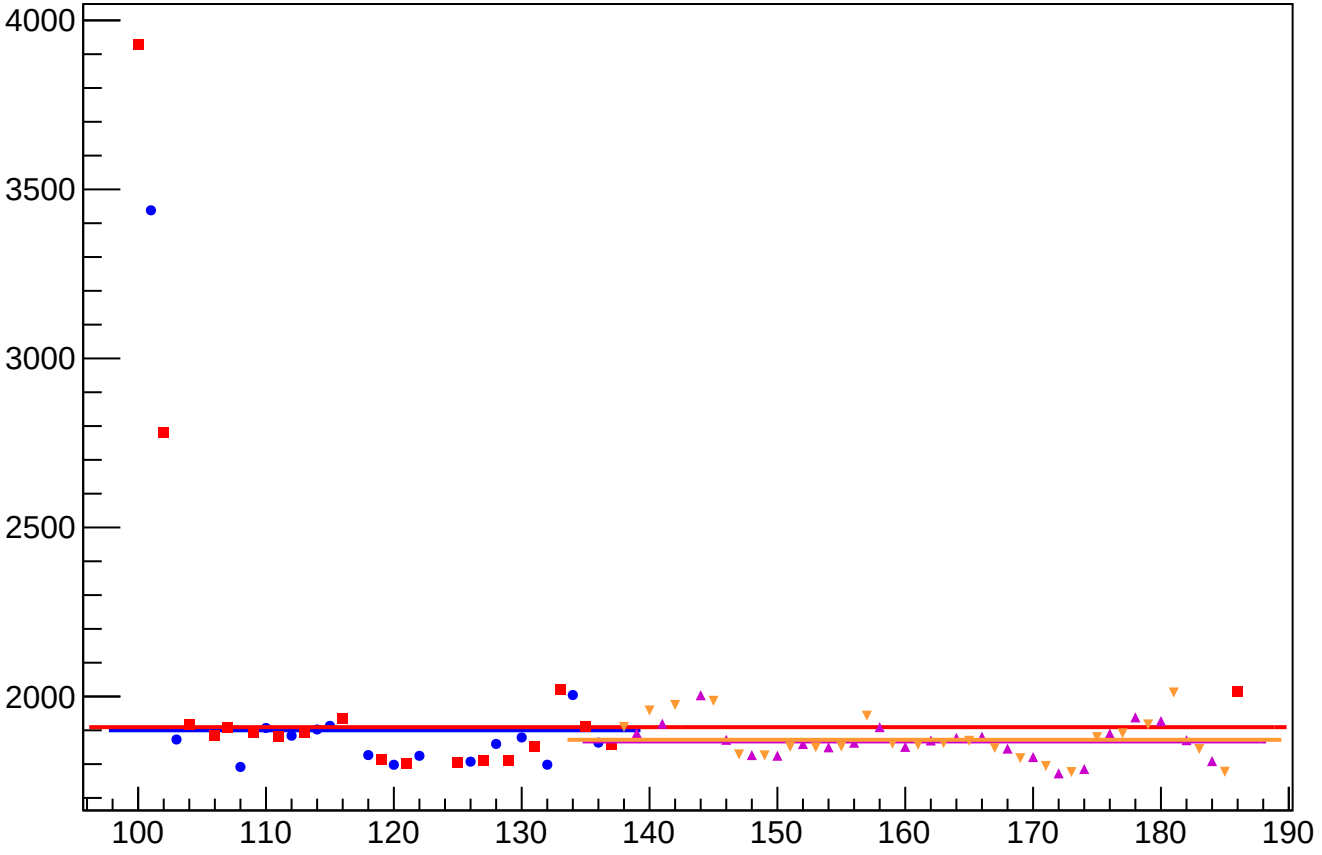
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3670.305+/-371.380 χ^2/NDF: 34.0/39

All: -395.235+/-262.230 χ^2/NDF: 322.2/81

- sign -4437.635+/-370.321 χ^2/NDF: 49.2/41

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

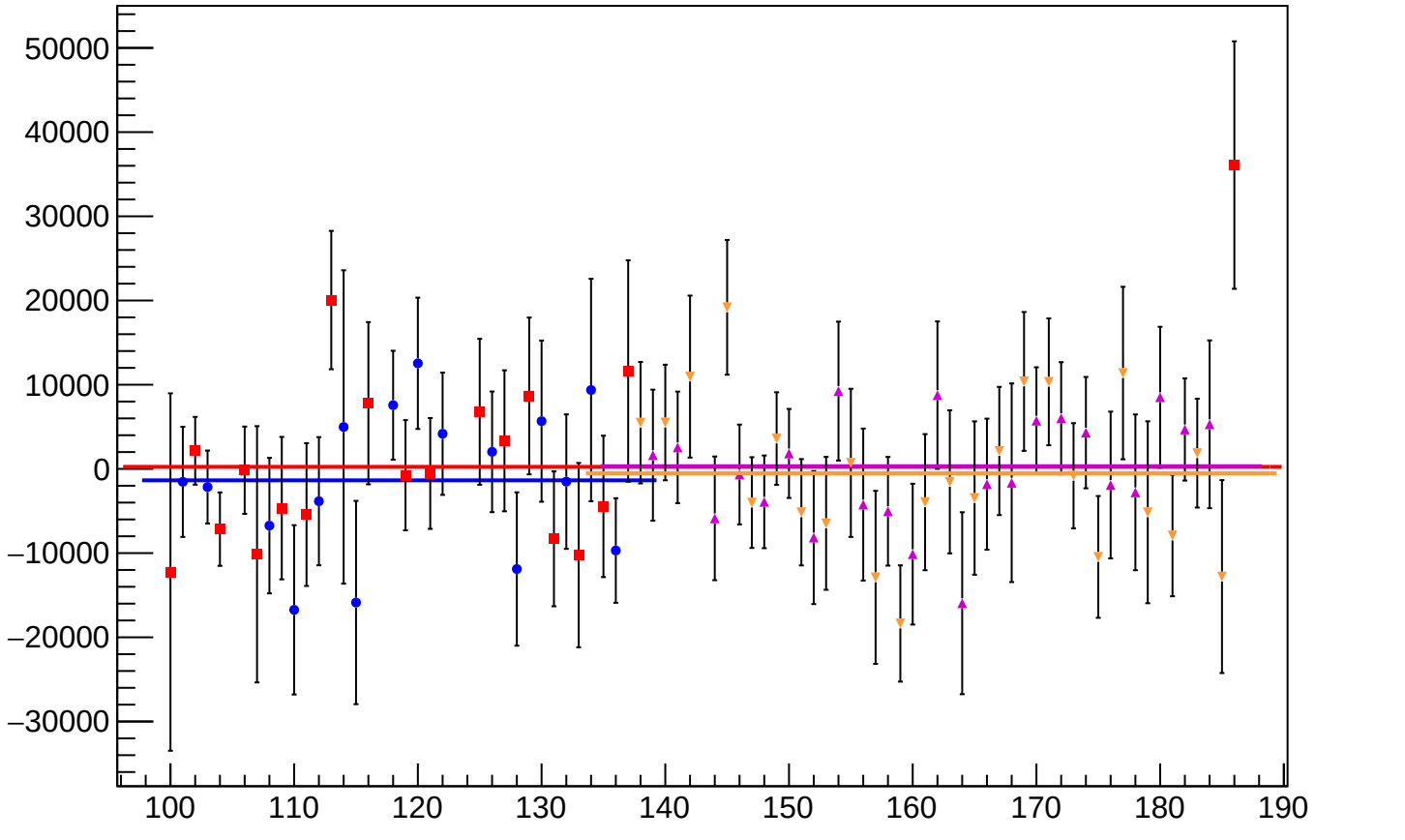
Right Out: 1909.358+/-0.495 χ^2/NDF: 152488.8/18

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1879.590+/-0.263 χ^2/NDF: 317868.6/39

All: 1879.246+/-0.185 χ^2/NDF: 502862.8/81

- sign 1878.903+/-0.262 χ^2/NDF: 184990.8/41



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

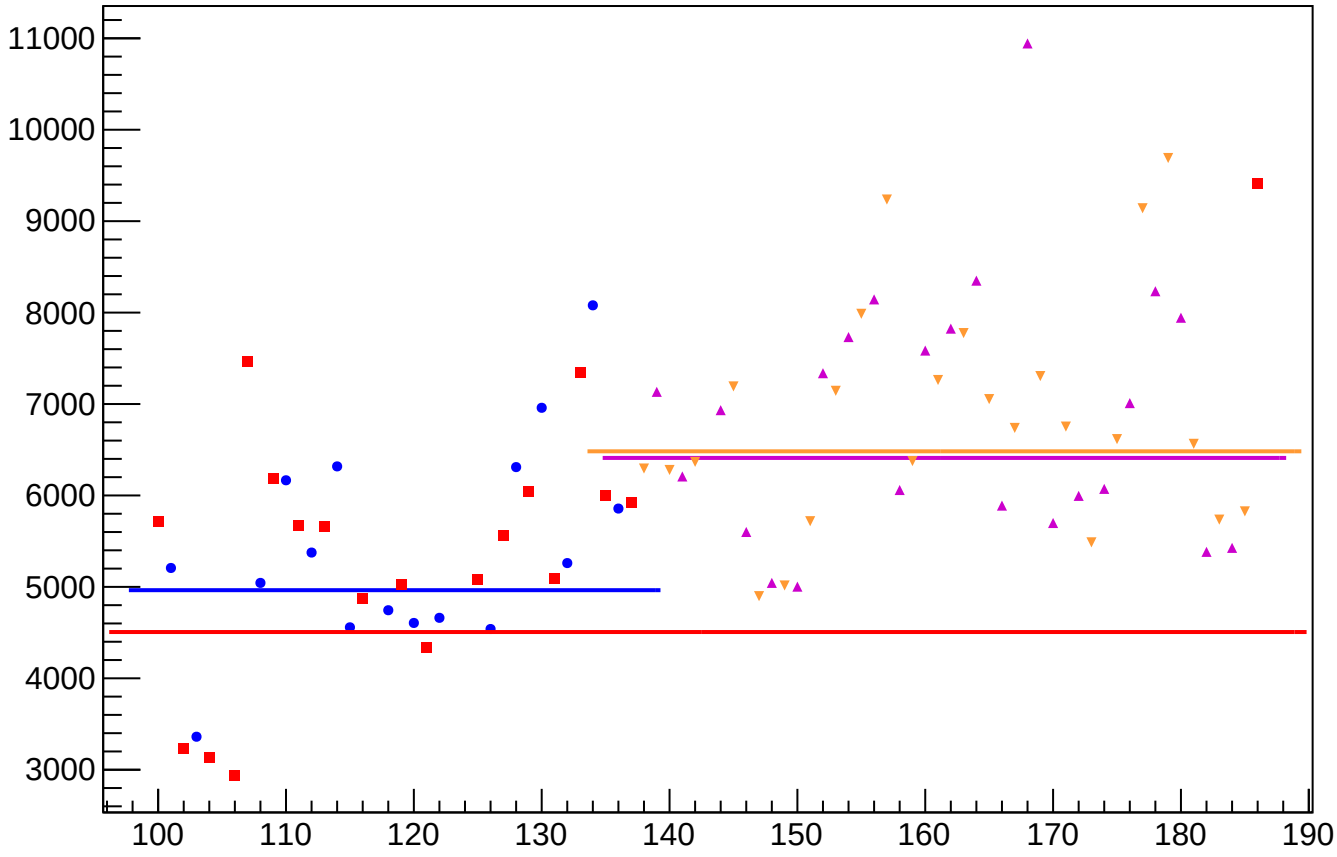
Right Out: 245.542+/-1701.166 χ^2/NDF: 21.8/18

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -851.872+/-1193.862 χ^2/NDF: 44.0/39

All: -253.339+/-823.259 χ^2/NDF: 79.7/81

- sign 289.313+/-1136.765 χ^2/NDF: 35.2/41



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 4506.280+/-1.203 χ^2/NDF: 1384374.3/18

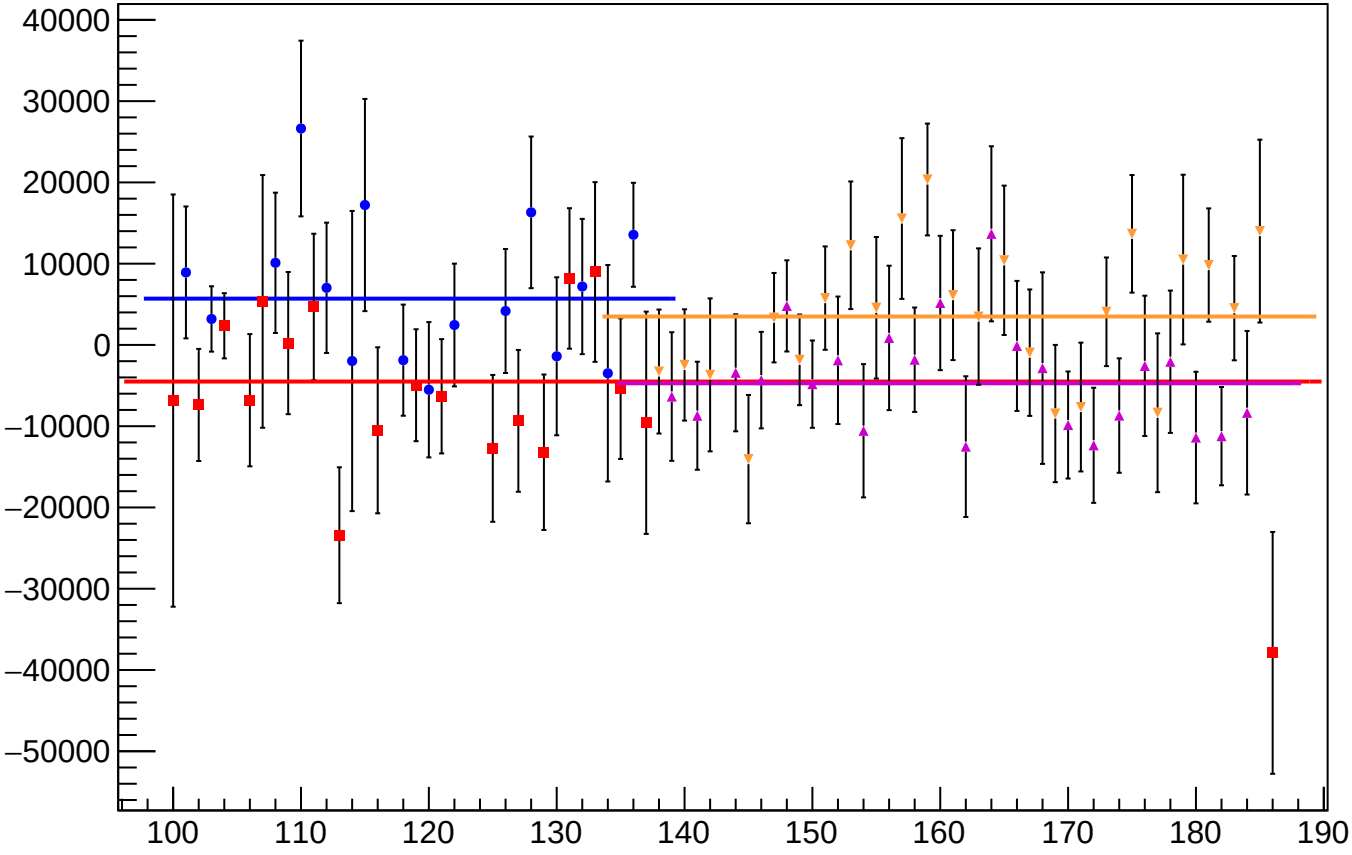
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 5880.561+/-0.844 χ^2/NDF: 2476457.8/39

All: 5712.523+/-0.582 χ^2/NDF: 6543076.5/81

- sign 5560.174+/-0.804 χ^2/NDF: 3991074.1/41

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -4505.578+/-1904.783 χ^2/NDF: 21.2/18

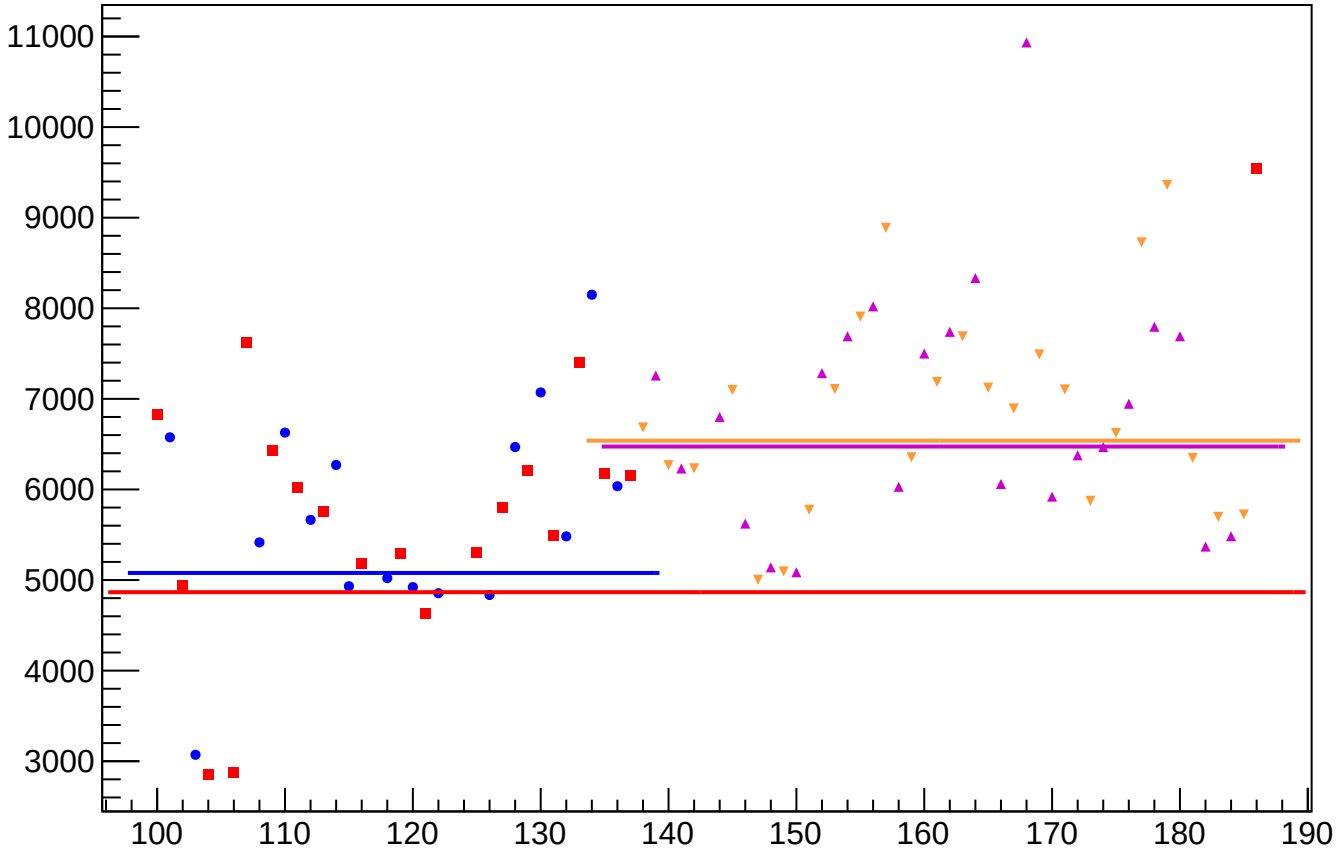
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4341.282+/-1213.576 χ^2/NDF: 40.9/39

All: -207.935+/-852.270 χ^2/NDF: 104.1/81

- sign -4635.016+/-1197.175 χ^2/NDF: 35.5/41

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

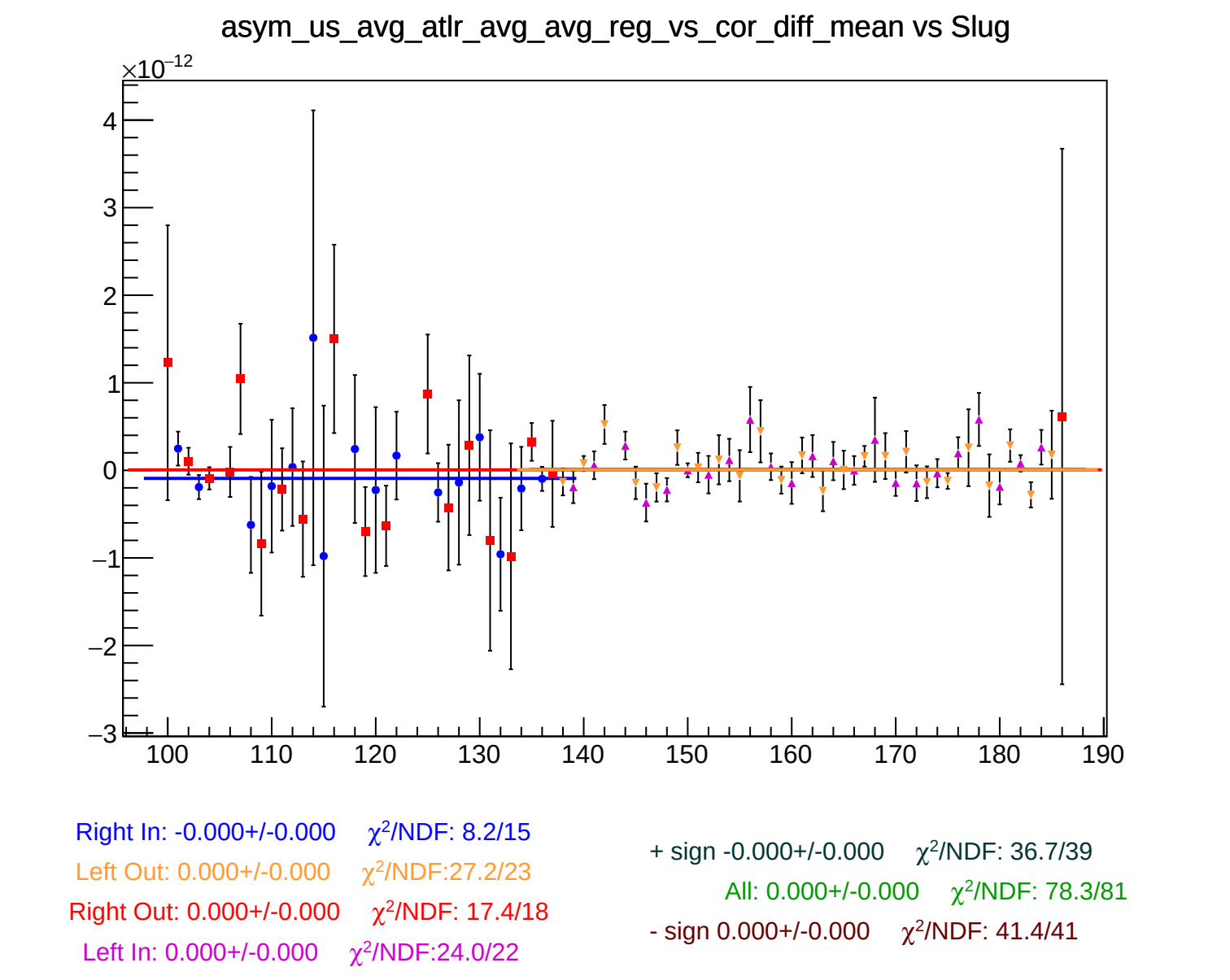
Right Out: 4865.885+/-1.320 χ^2/NDF: 1362802.4/18

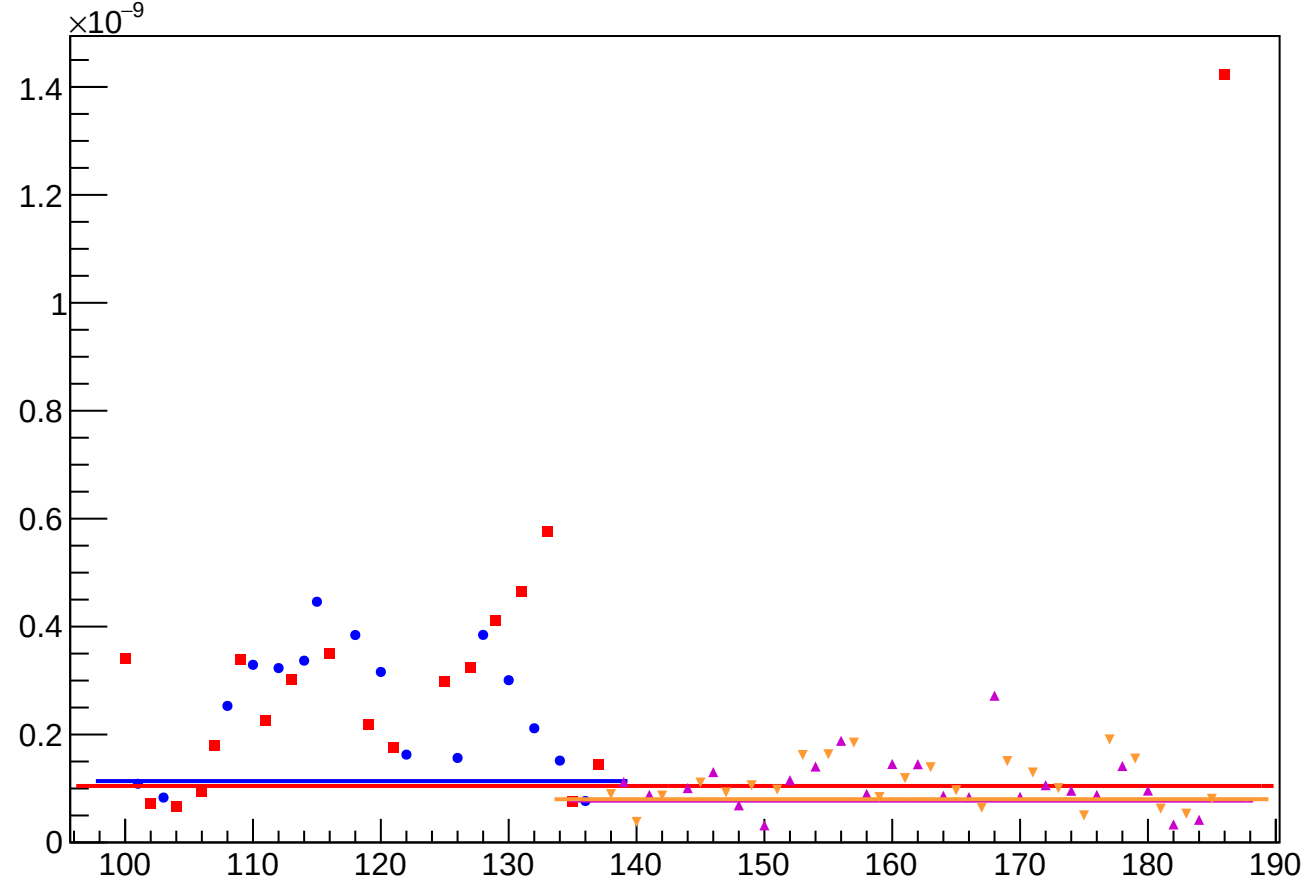
Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 5978.310+/-0.858 χ^2/NDF: 2524857.3/39

All: 5898.976+/-0.600 χ^2/NDF: 5858959.1/81

- sign 5822.996+/-0.840 χ^2/NDF: 3317368.9/41


asym_us_avg_atlr_avg_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: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:27.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 17.4/18
Left In: 0.000+/-0.000 χ²/NDF:24.0/22
+ sign -0.000+/-0.000 χ²/NDF: 36.7/39
All: 0.000+/-0.000 χ²/NDF: 78.3/81
- sign 0.000+/-0.000 χ²/NDF: 41.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

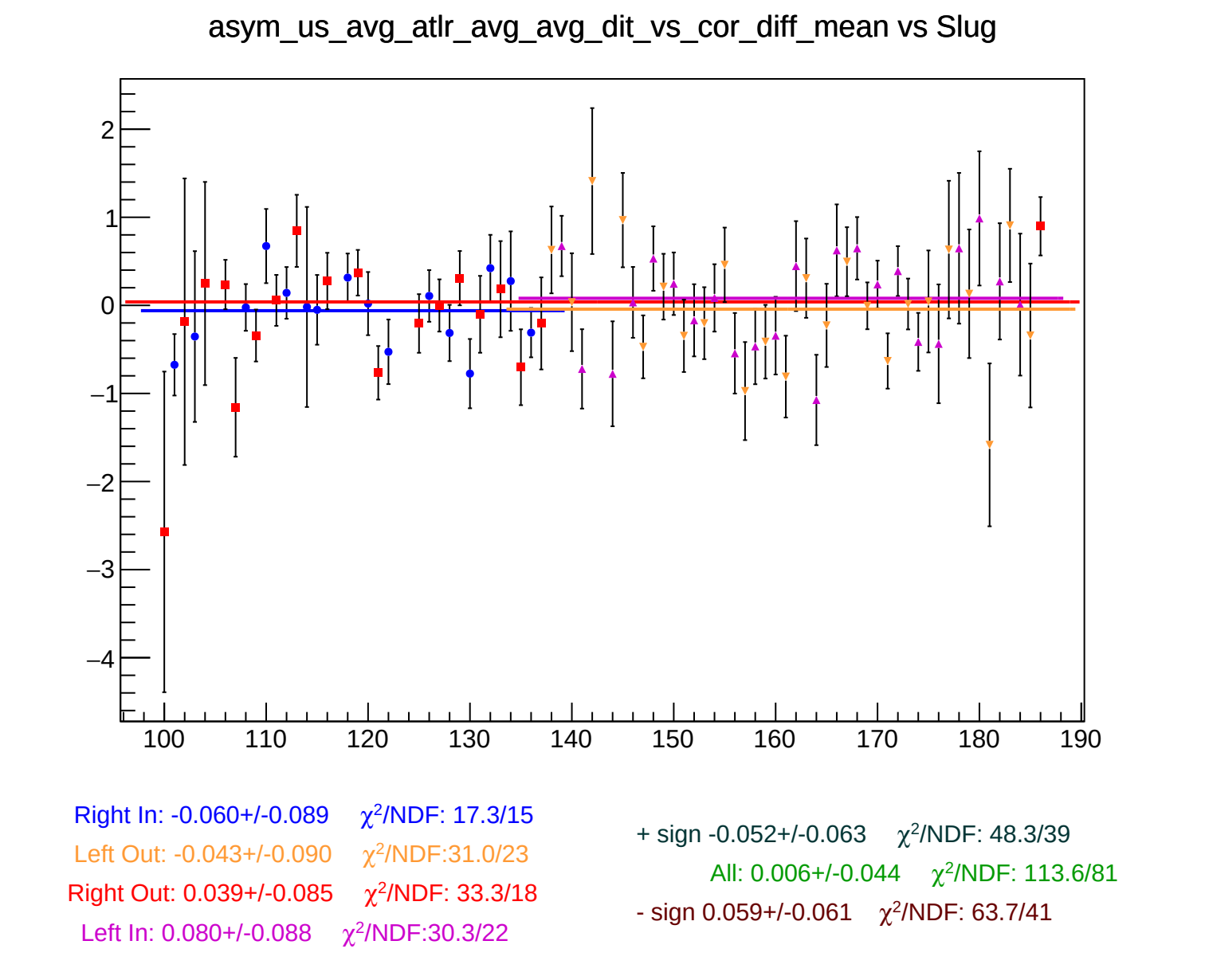
Right Out: 0.000+/-0.000 χ^2/NDF: 2459164.2/18

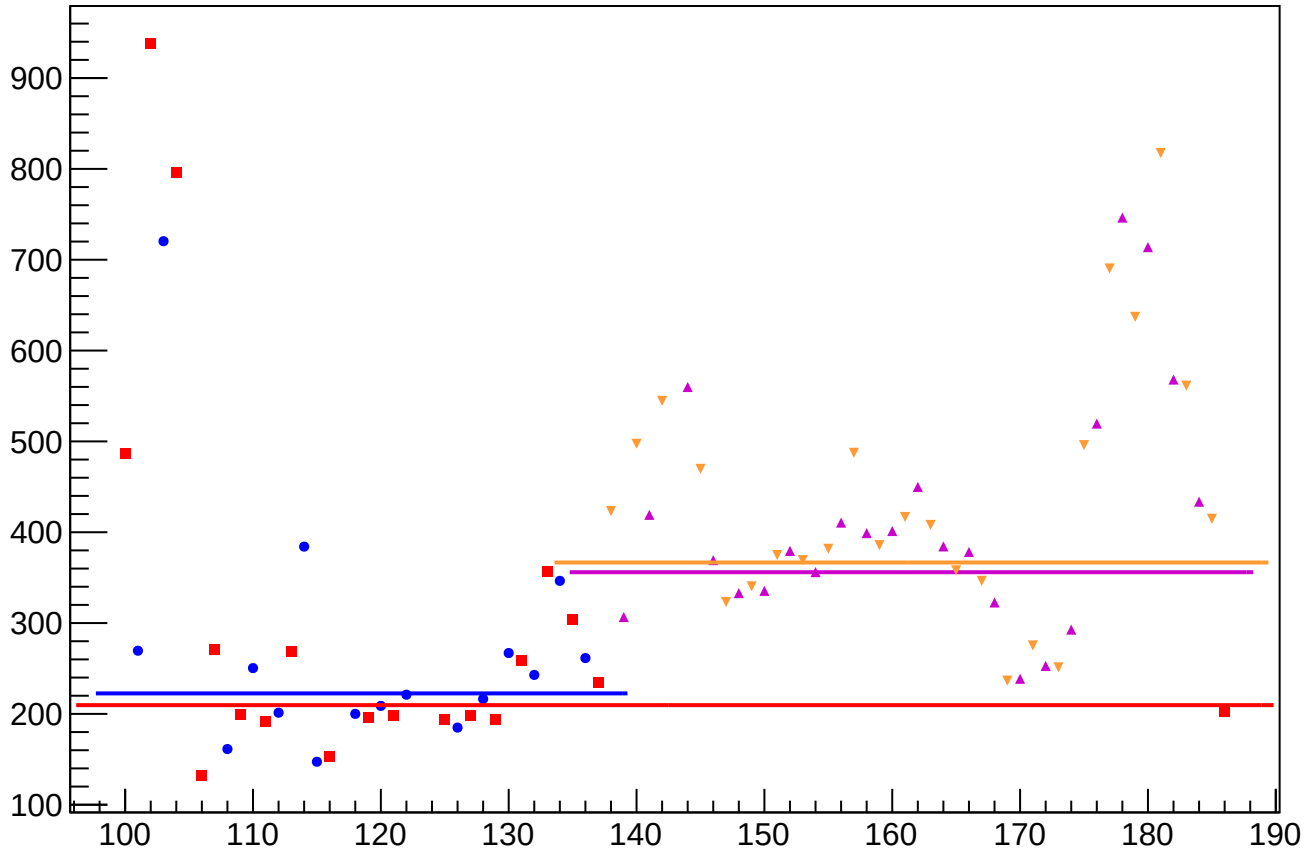
Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3988614.9/39

All: 0.000+/-0.000 χ^2/NDF: 9310623.7/81

- sign 0.000+/-0.000 χ^2/NDF: 5308060.3/41


asym_us_avg_atlr_avg_avg_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: -0.060+/-0.089 χ²/NDF: 17.3/15
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 -0.052+/-0.063 χ²/NDF: 48.3/39
All: 0.006+/-0.044 χ²/NDF: 113.6/81
- sign 0.059+/-0.061 χ²/NDF: 63.7/41



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

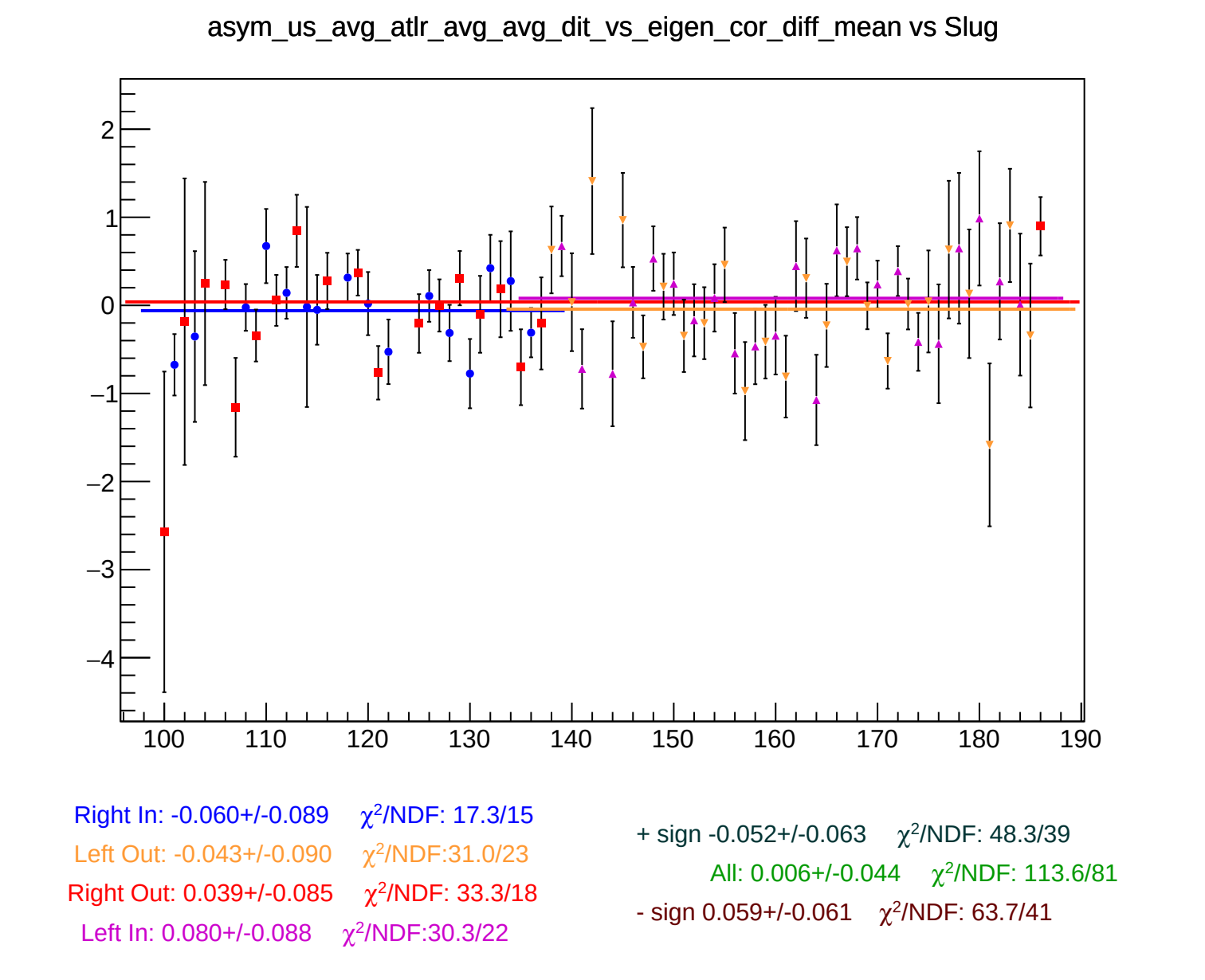
Right Out: 209.642+/-0.060 χ^2/NDF: 1549457.8/18

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 293.173+/-0.045 χ^2/NDF: 6448621.4/39

All: 286.368+/-0.031 χ^2/NDF: 13347862.1/81

- 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
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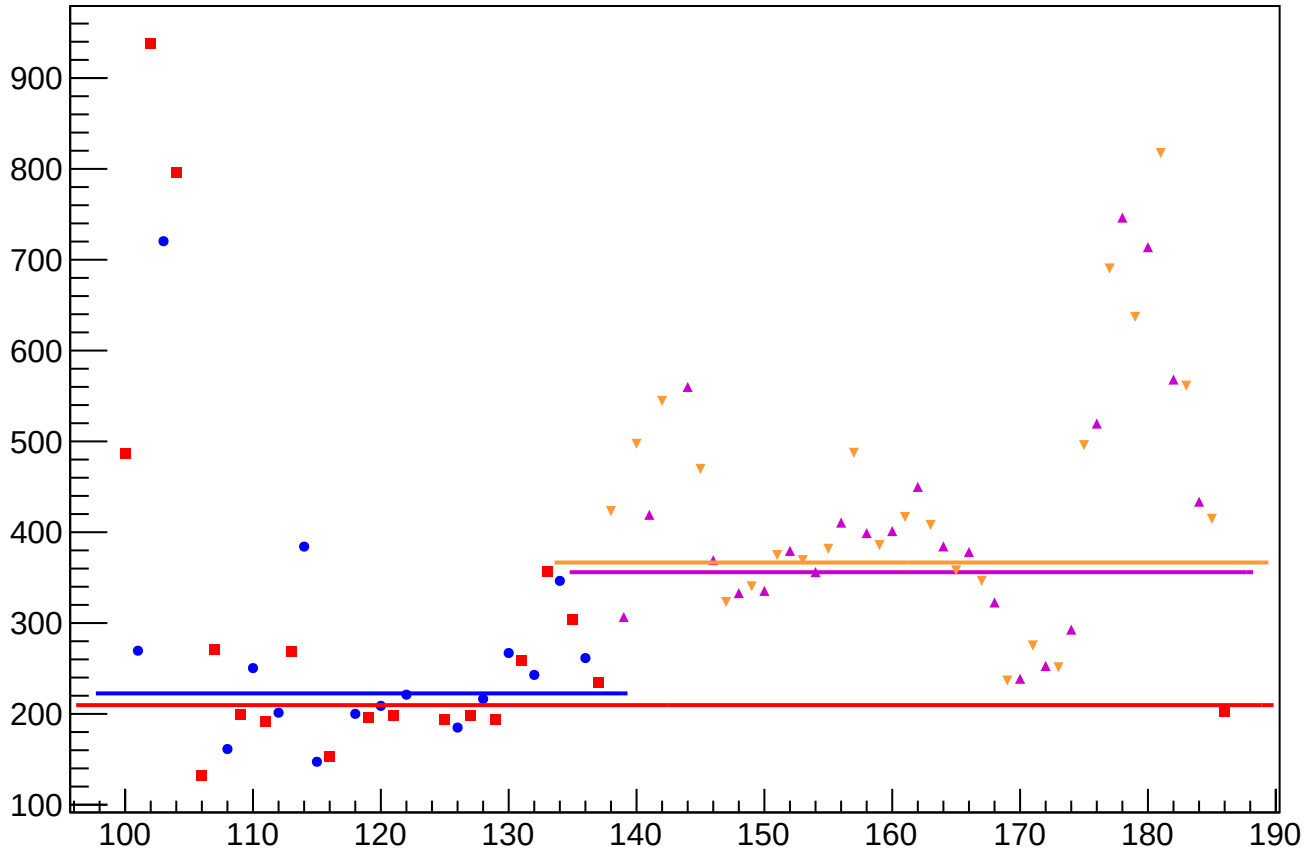
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.039+/-0.085 χ²/NDF: 33.3/18
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.052+/-0.063 χ²/NDF: 48.3/39
All: 0.006+/-0.044 χ²/NDF: 113.6/81
- sign 0.059+/-0.061 χ²/NDF: 63.7/41



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

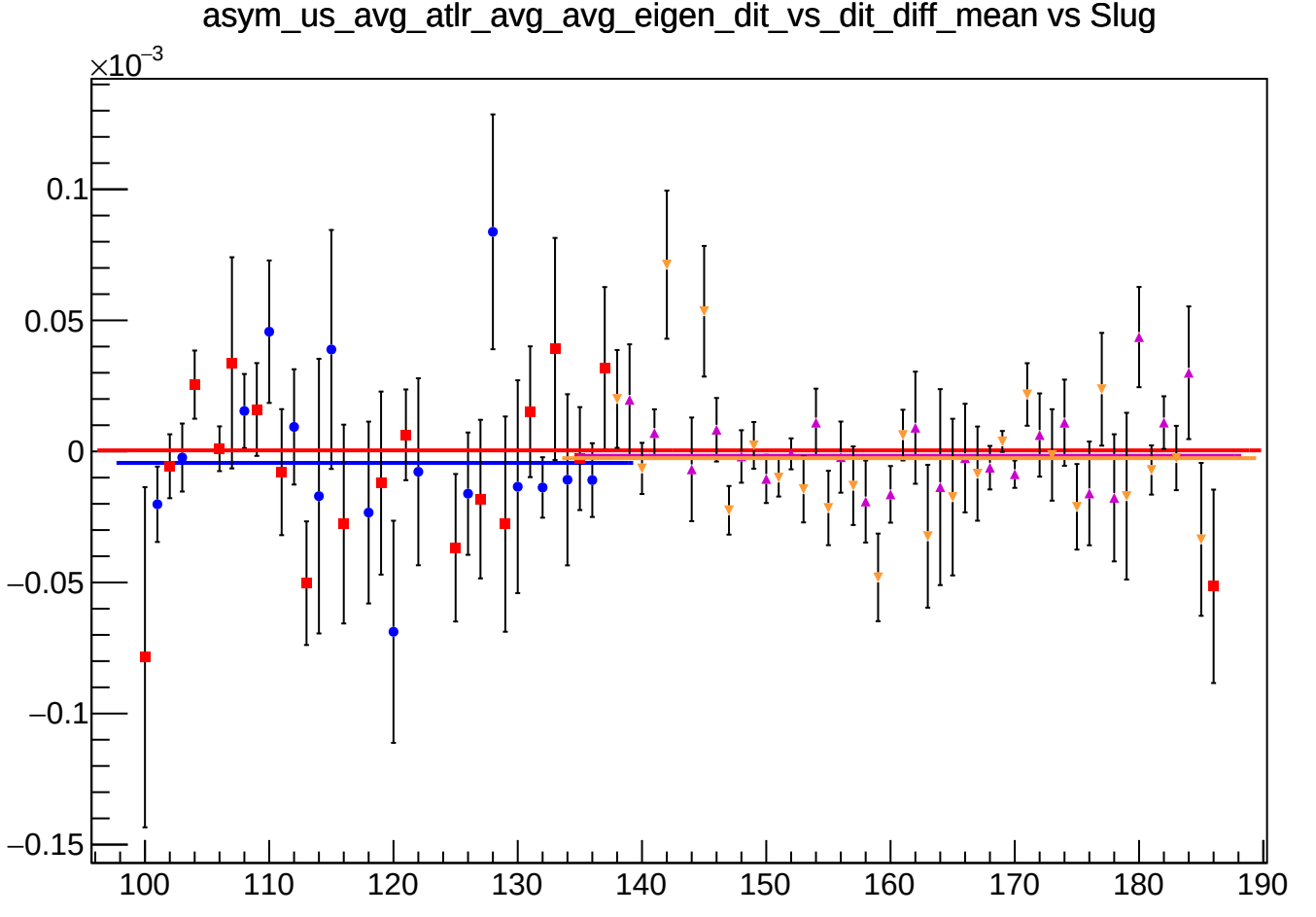
Right Out: 209.642+/-0.060 χ^2/NDF: 1549457.8/18

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 293.173+/-0.045 χ^2/NDF: 6448621.4/39

All: 286.368+/-0.031 χ^2/NDF: 13347862.1/81

- sign 280.076+/-0.043 χ^2/NDF: 6854779.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

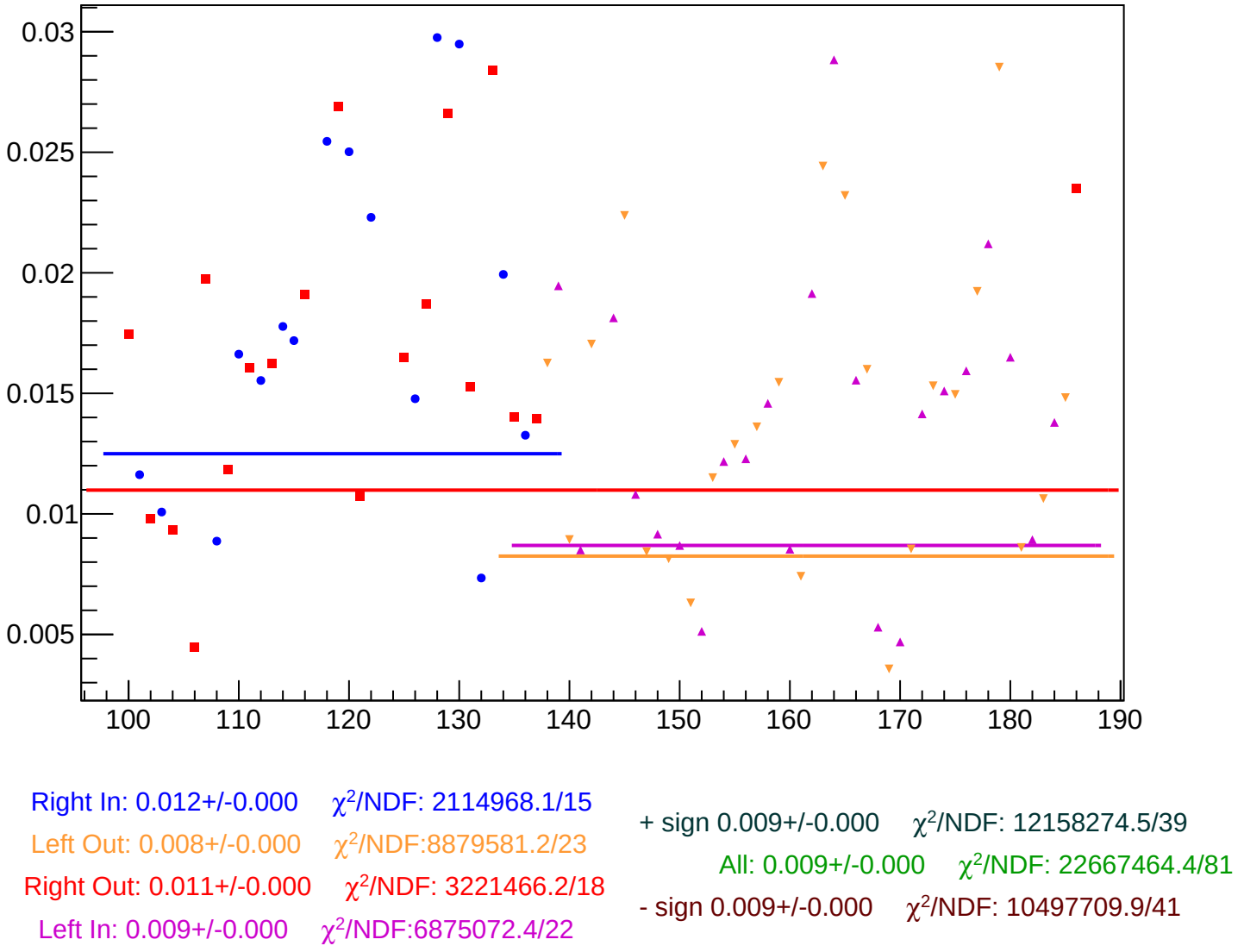
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.3/39

All: -0.000+/-0.000 χ^2/NDF: 99.7/81

- 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
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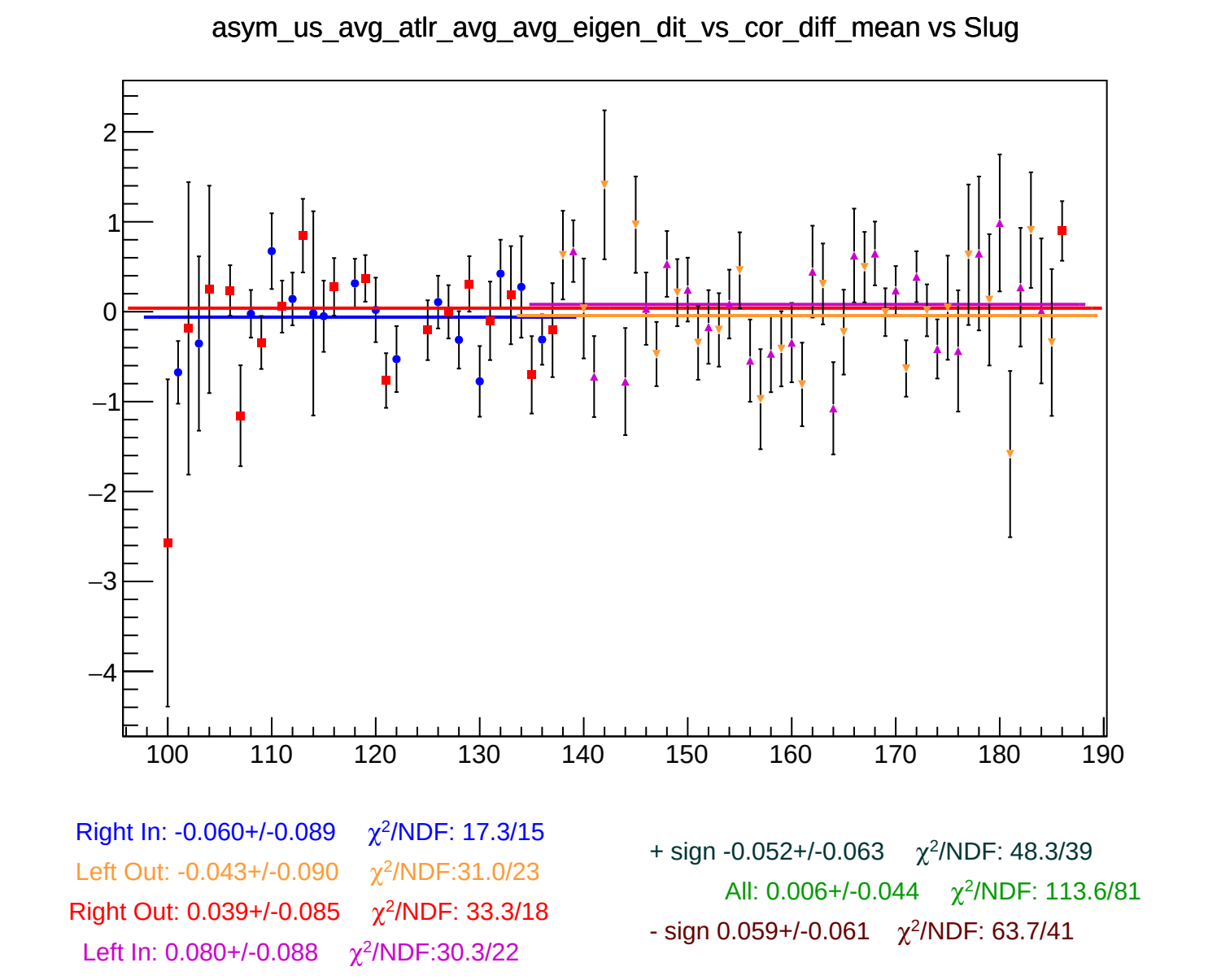
Right In: 0.012+/-0.000 χ²/NDF: 2114968.1/15
Left Out: 0.008+/-0.000 χ²/NDF:8879581.2/23
Right Out: 0.011+/-0.000 χ²/NDF: 3221466.2/18
Left In: 0.009+/-0.000 χ²/NDF:6875072.4/22
+ sign 0.009+/-0.000 χ²/NDF: 12158274.5/39
All: 0.009+/-0.000 χ²/NDF: 22667464.4/81
- sign 0.009+/-0.000 χ²/NDF: 10497709.9/41


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
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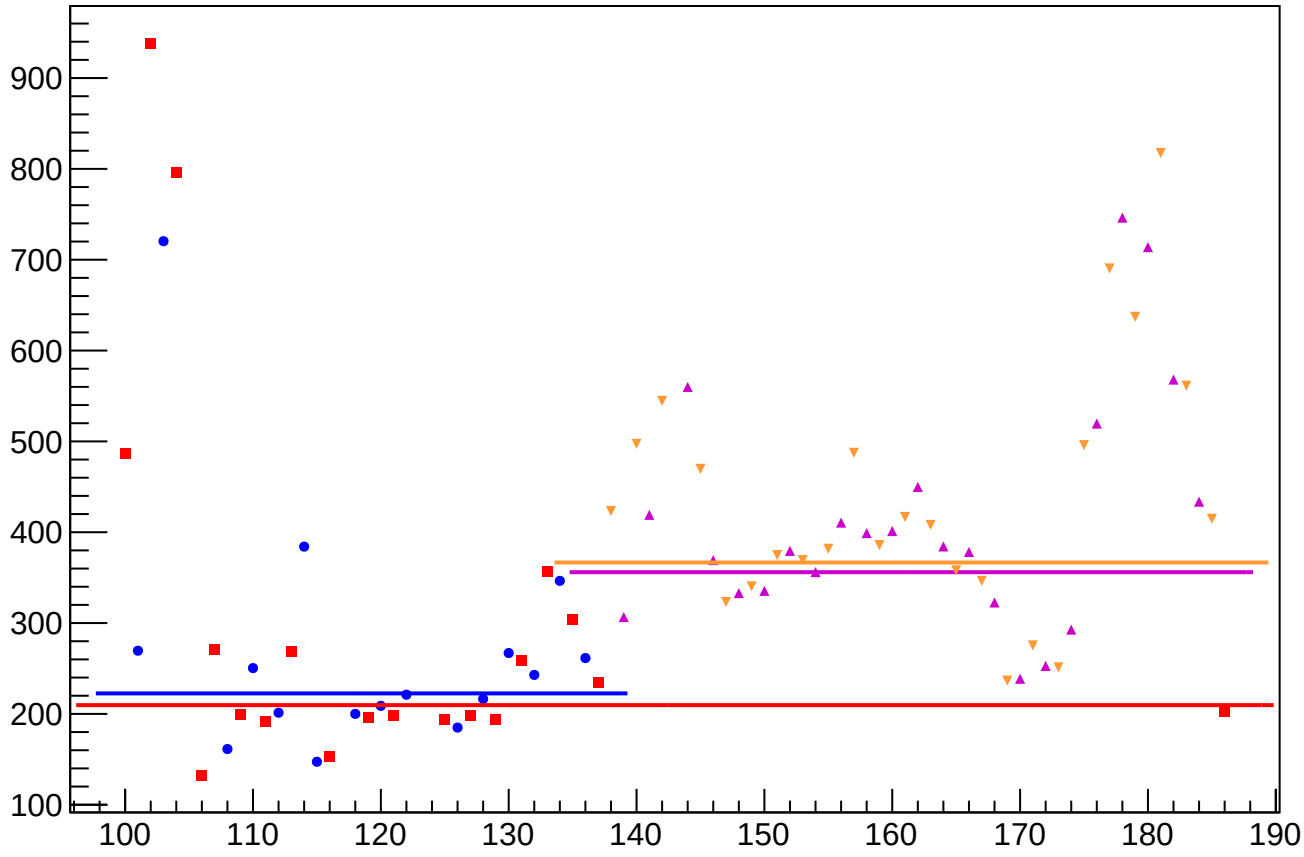
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.039+/-0.085 χ²/NDF: 33.3/18
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.052+/-0.063 χ²/NDF: 48.3/39
All: 0.006+/-0.044 χ²/NDF: 113.6/81
- sign 0.059+/-0.061 χ²/NDF: 63.7/41



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

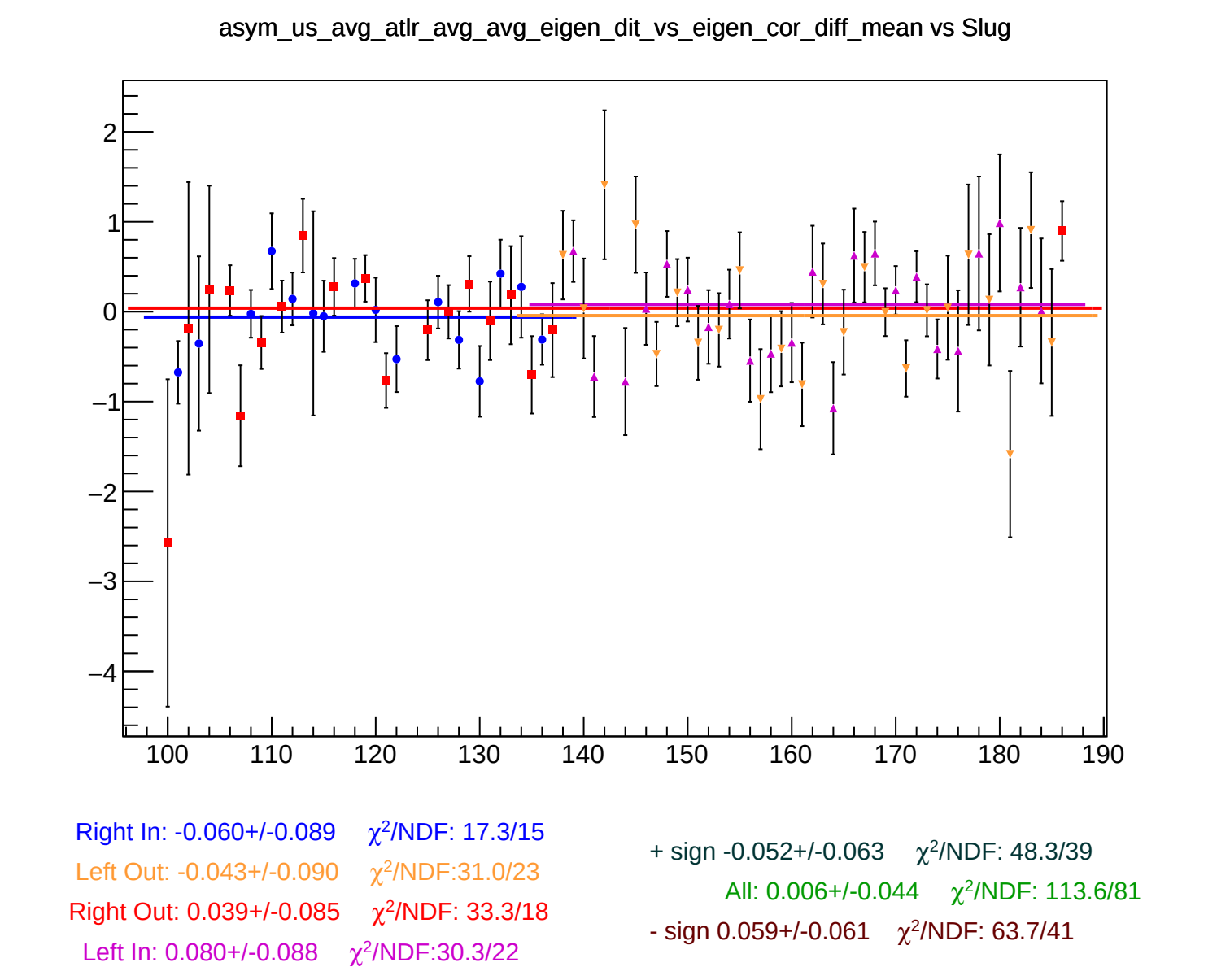
Right Out: 209.639+/-0.060 χ^2/NDF: 1549440.8/18

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 293.171+/-0.045 χ^2/NDF: 6448913.3/39

All: 286.366+/-0.031 χ^2/NDF: 13348506.7/81

- 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
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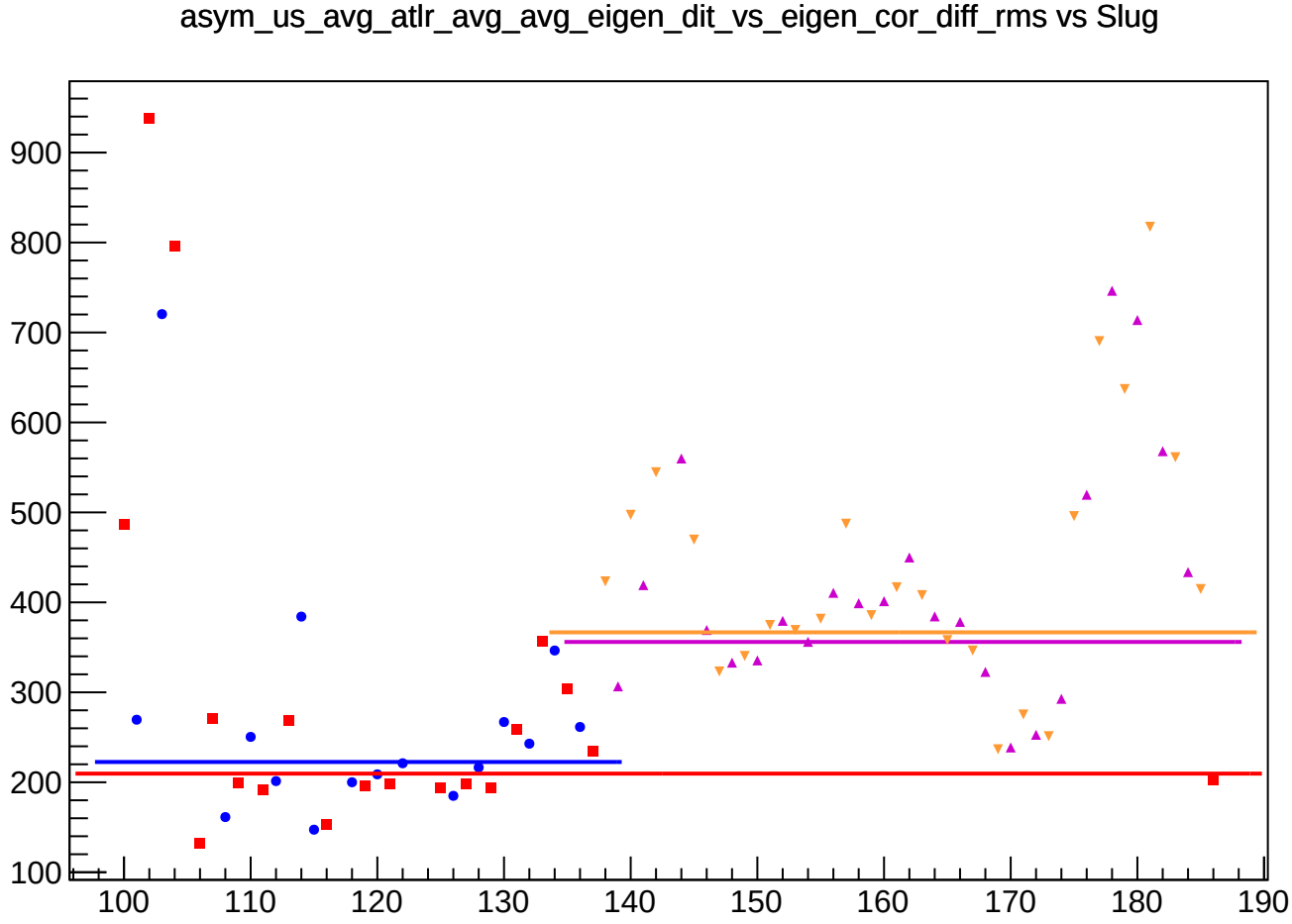
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.039+/-0.085 χ²/NDF: 33.3/18
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.052+/-0.063 χ²/NDF: 48.3/39
All: 0.006+/-0.044 χ²/NDF: 113.6/81
- sign 0.059+/-0.061 χ²/NDF: 63.7/41



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

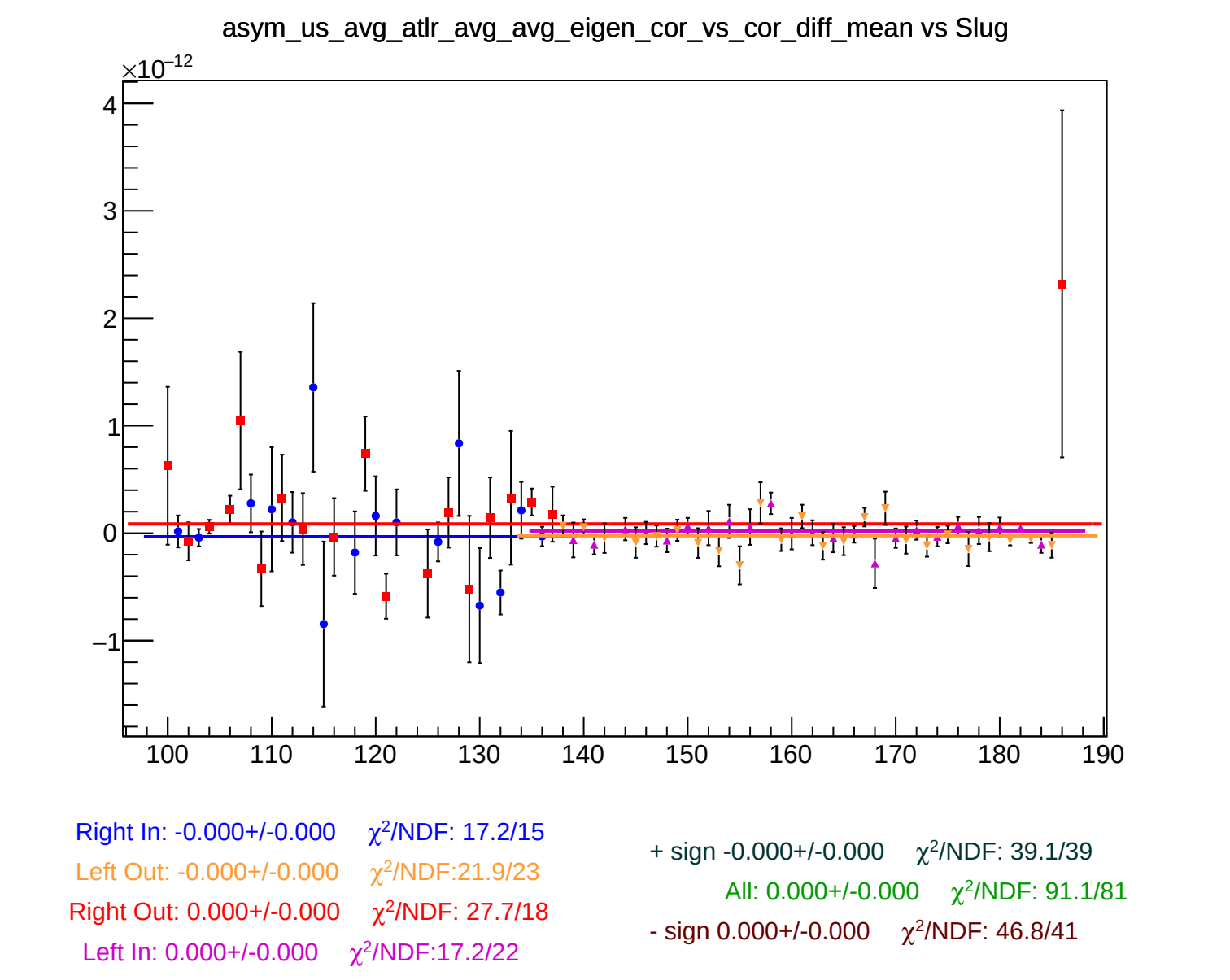
Right Out: 209.639+/-0.060 χ^2/NDF: 1549440.8/18

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 293.171+/-0.045 χ^2/NDF: 6448913.3/39

All: 286.366+/-0.031 χ^2/NDF: 13348506.7/81

- 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
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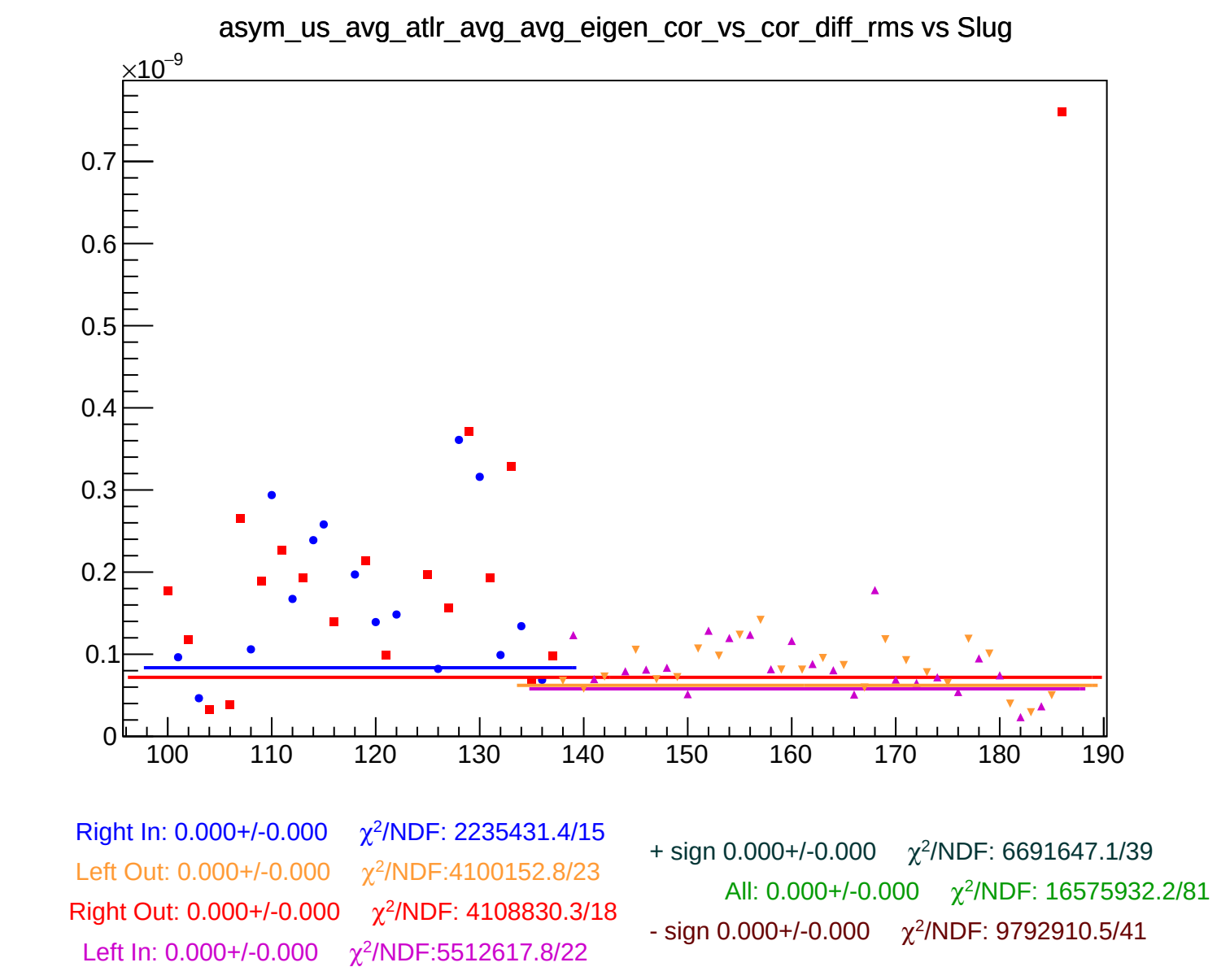
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 27.7/18
Left In: 0.000+/-0.000 χ²/NDF:17.2/22
+ sign -0.000+/-0.000 χ²/NDF: 39.1/39
All: 0.000+/-0.000 χ²/NDF: 91.1/81
- sign 0.000+/-0.000 χ²/NDF: 46.8/41


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.7
0.6
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0.3
0.2
0.1
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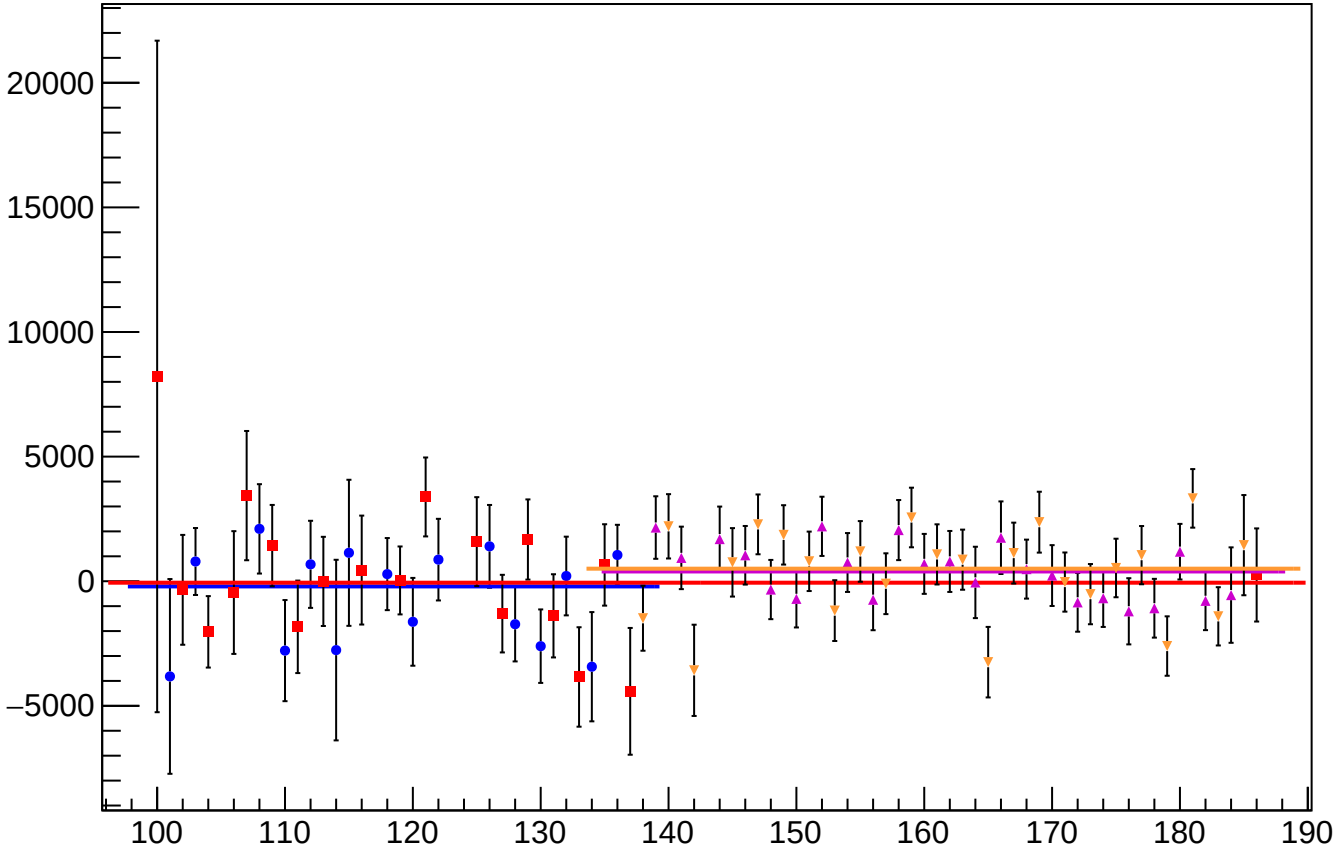
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:4100152.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 4108830.3/18
Left In: 0.000+/-0.000 χ²/NDF:5512617.8/22
+ sign 0.000+/-0.000 χ²/NDF: 6691647.1/39
All: 0.000+/-0.000 χ²/NDF: 16575932.2/81
- sign 0.000+/-0.000 χ²/NDF: 9792910.5/41

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -59.132+/-419.749 χ^2/NDF: 20.7/18

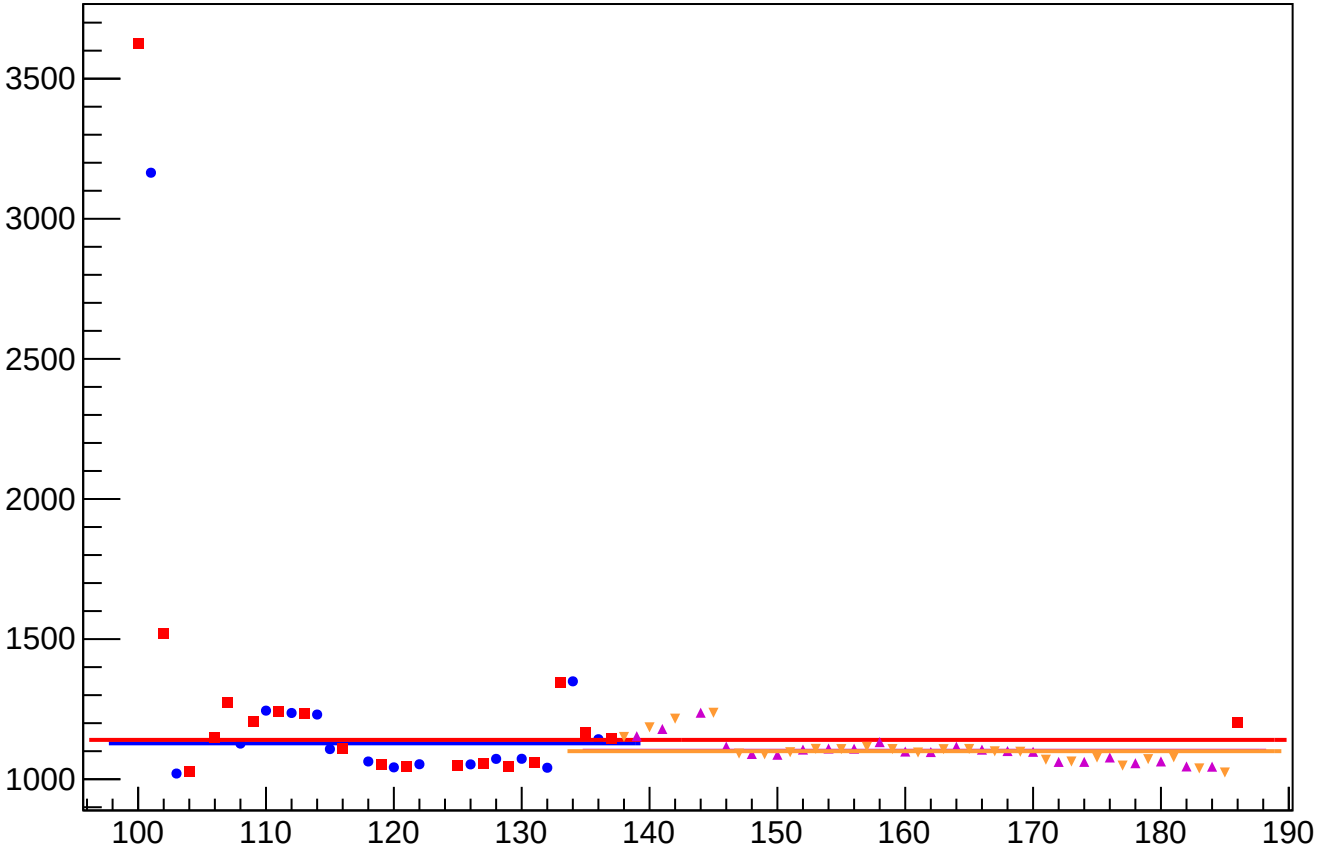
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 317.262+/-219.557 χ^2/NDF: 61.4/39

All: 292.870+/-155.202 χ^2/NDF: 100.7/81

- sign 268.508+/-219.420 χ^2/NDF: 39.3/41

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

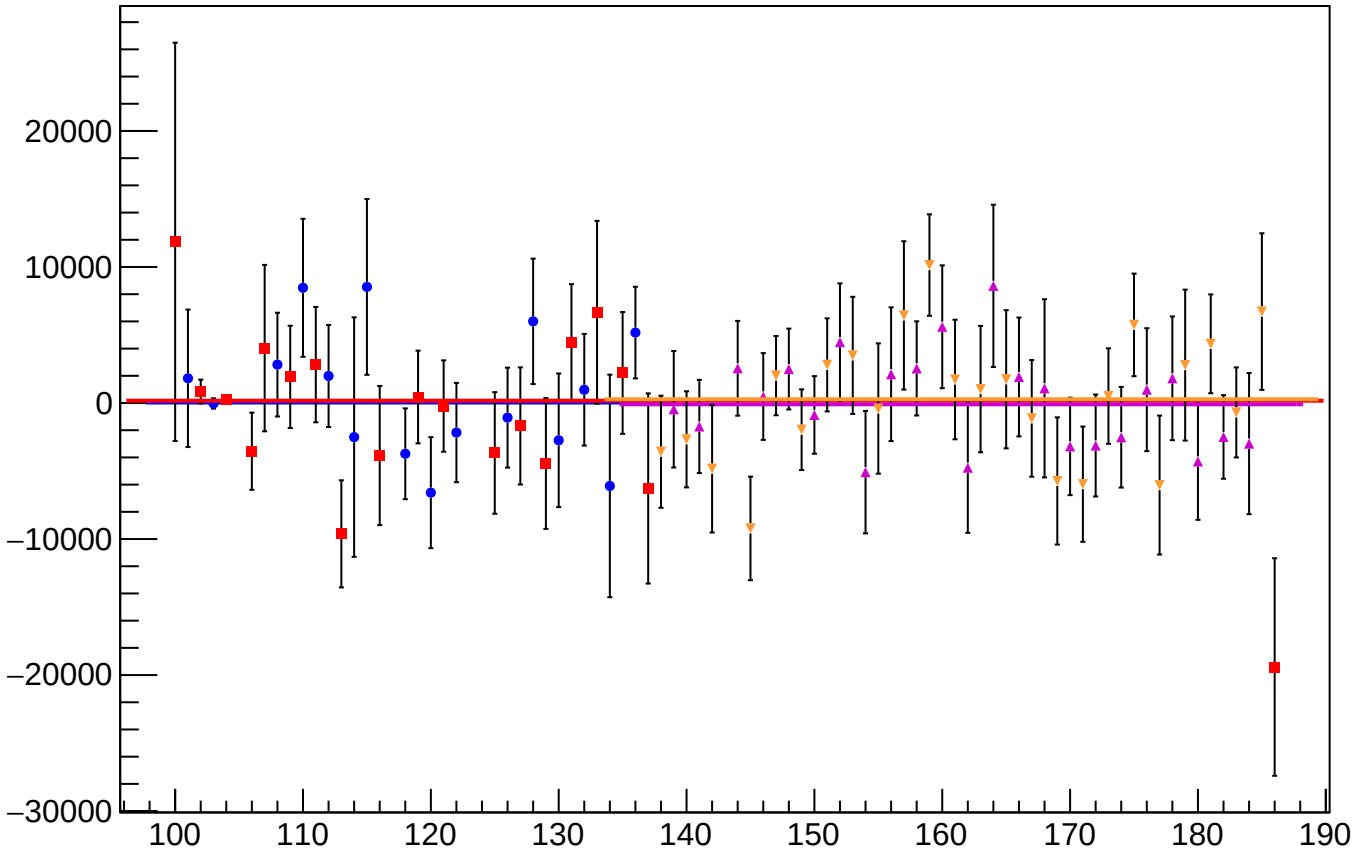
Right Out: 1140.307+/-0.296 χ^2/NDF: 222379.8/18

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1107.377+/-0.155 χ^2/NDF: 686388.6/39

All: 1109.768+/-0.110 χ^2/NDF: 973823.6/81

\- sign 1112.152+/-0.155 χ^2/NDF: 286961.4/41



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

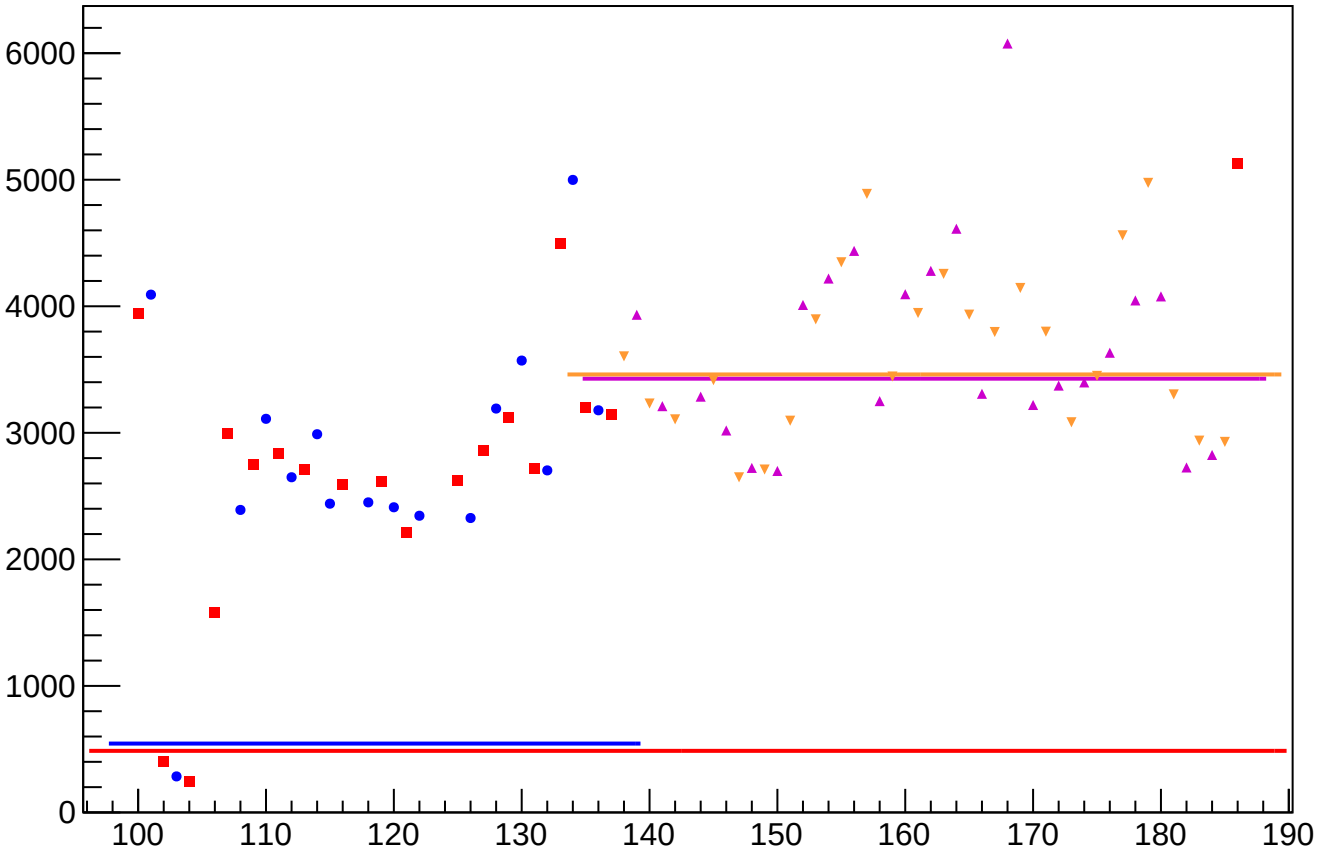
Right Out: 169.792+/-322.283 χ^2/NDF: 21.6/18

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 76.494+/-327.858 χ^2/NDF: 44.8/39

All: 107.914+/-221.251 χ^2/NDF: 80.2/81

- sign 134.189+/-299.811 χ^2/NDF: 35.4/41



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 486.799+/-0.228 χ^2/NDF: 9862100.8/18

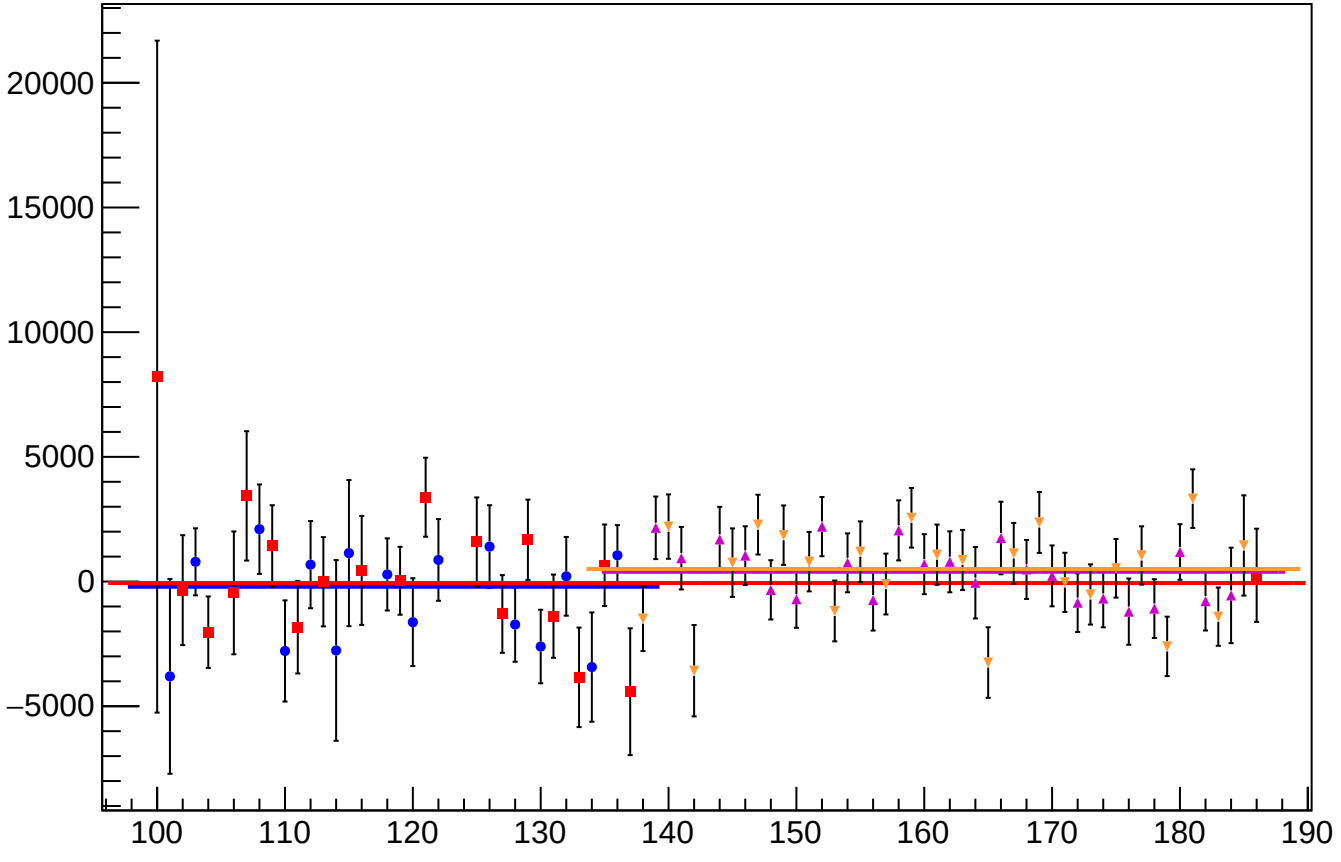
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1010.070+/-0.232 χ^2/NDF: 31982578.8/39

All: 940.671+/-0.156 χ^2/NDF: 65669412.5/81

- sign 882.639+/-0.212 χ^2/NDF: 33522288.9/41

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -59.268+/-419.749 χ^2/NDF: 20.7/18

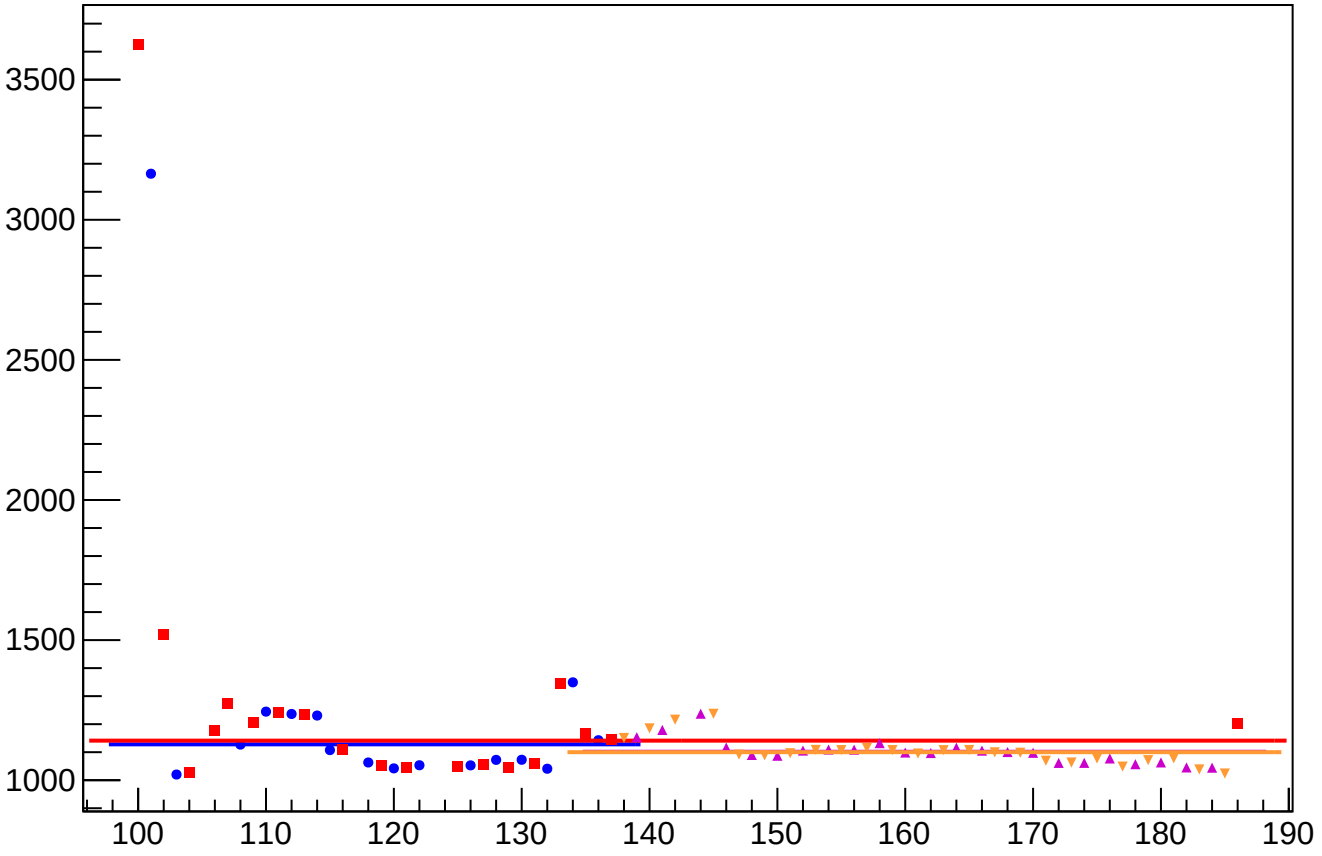
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 317.376+/-219.557 χ^2/NDF: 61.4/39

All: 292.904+/-155.202 χ^2/NDF: 100.7/81

- sign 268.462+/-219.420 χ^2/NDF: 39.3/41

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

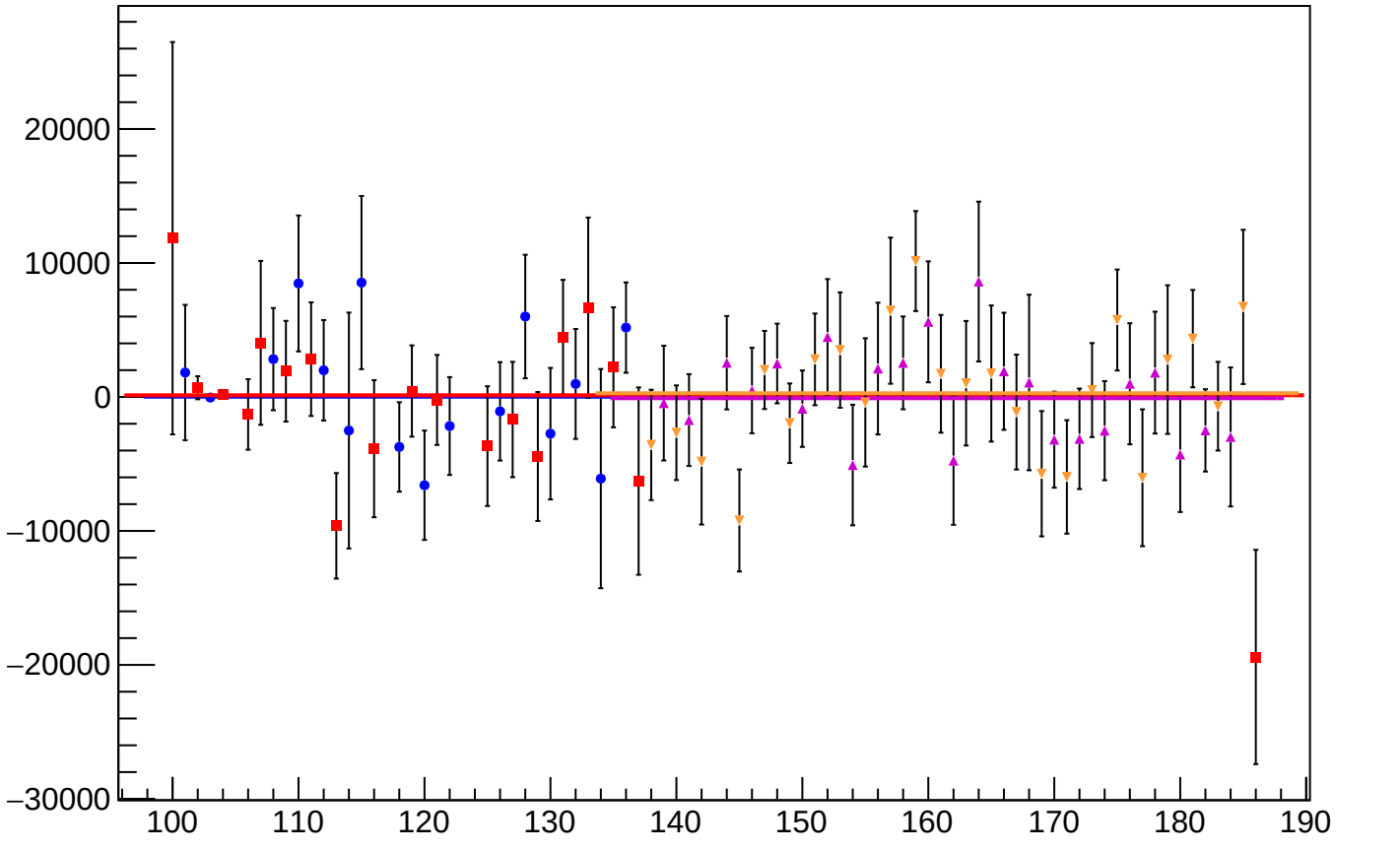
Right Out: 1141.225+/-0.297 χ^2/NDF: 222850.6/18

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1107.377+/-0.155 χ^2/NDF: 686389.6/39

All: 1109.883+/-0.110 χ^2/NDF: 974915.5/81

\- sign 1112.385+/-0.155 χ^2/NDF: 288005.3/41



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

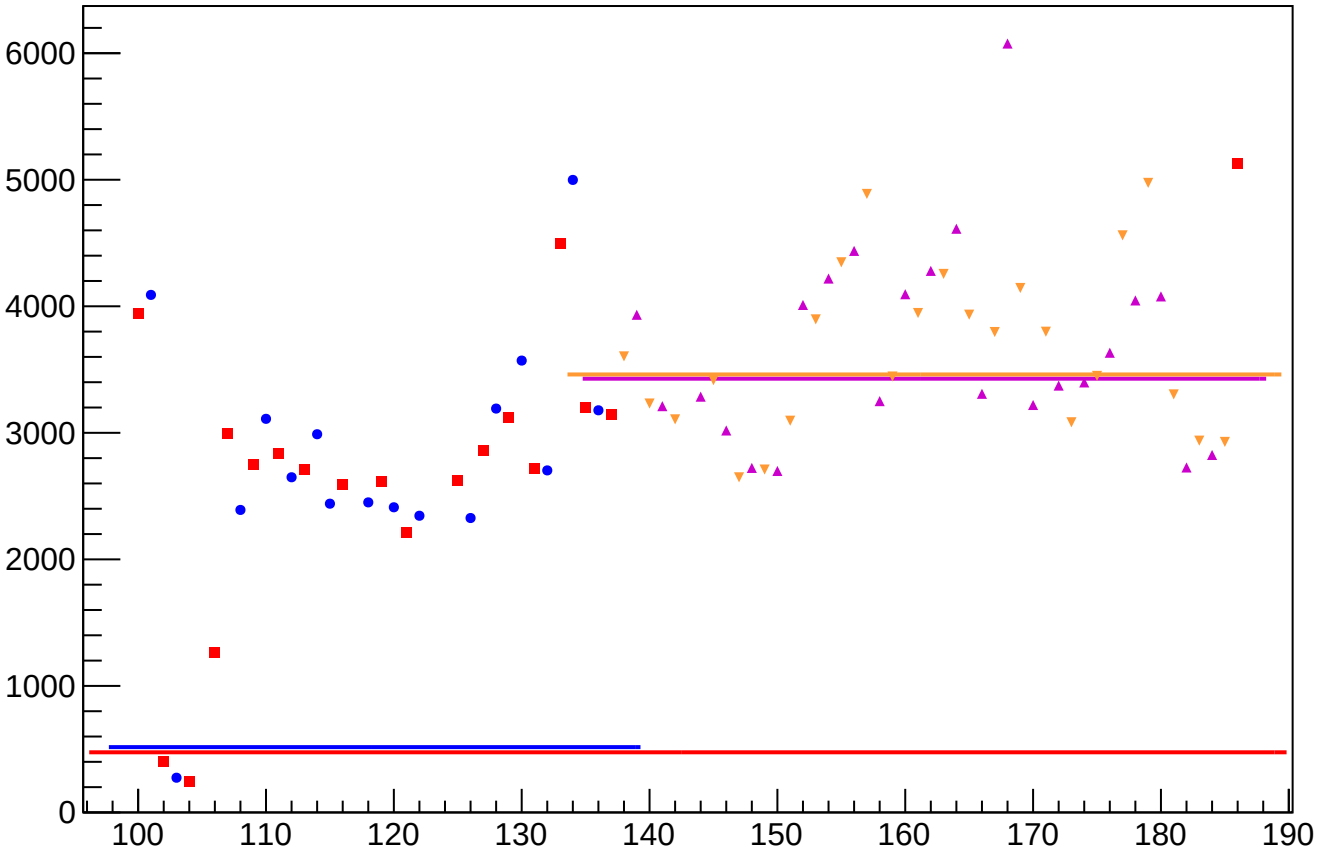
Right Out: 125.466+/-317.118 χ^2/NDF: 20.0/18

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

\+ sign 60.000+/-317.658 χ^2/NDF: 44.8/39

All: 79.637+/-216.414 χ^2/NDF: 78.5/81

\- sign 96.647+/-295.639 χ^2/NDF: 33.7/41



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 475.384+/-0.224 χ^2/NDF: 9788624.6/18

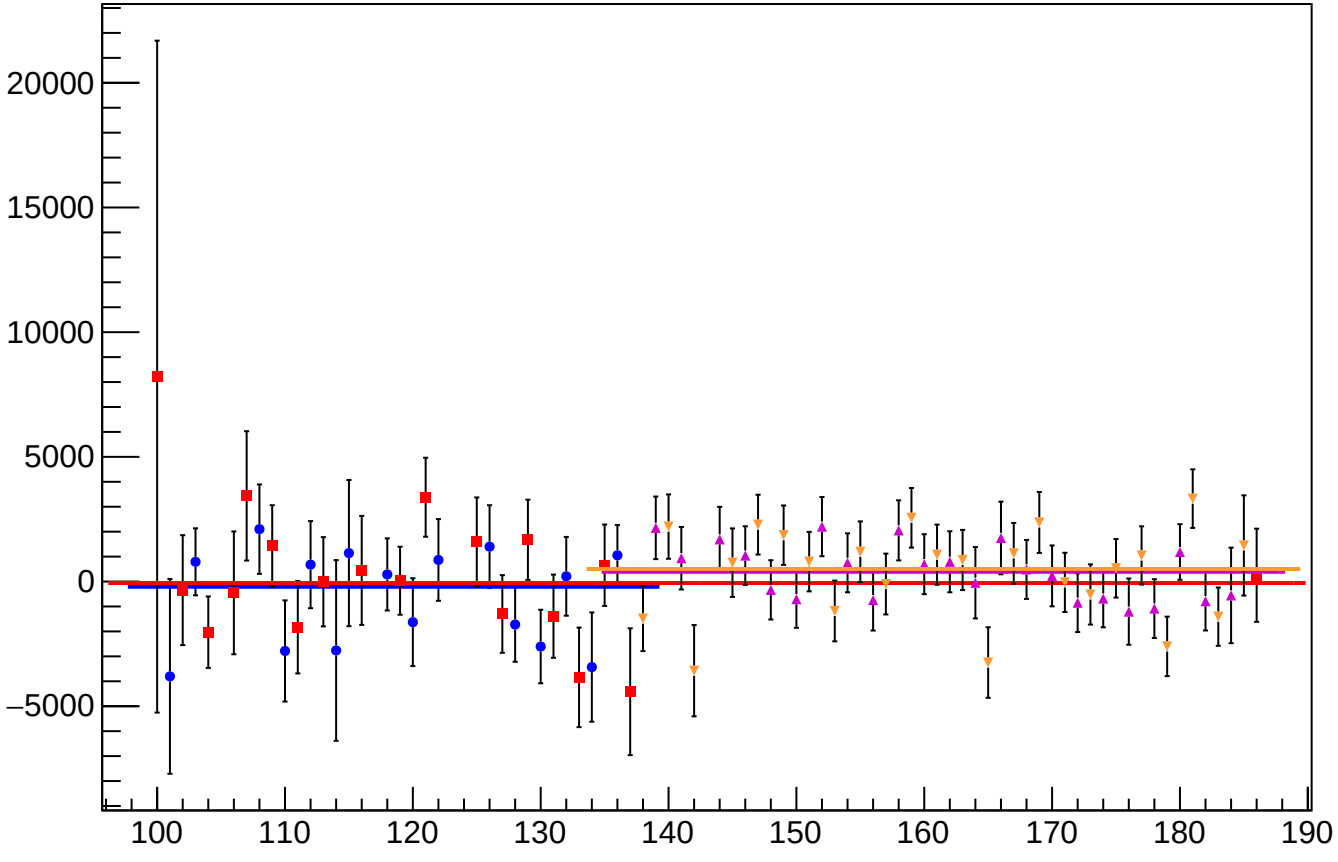
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 957.705+/-0.225 χ^2/NDF: 32796602.4/39

All: 906.302+/-0.153 χ^2/NDF: 66614596.4/81

- sign 861.778+/-0.209 χ^2/NDF: 33720260.2/41

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -59.268+/-419.749 χ^2/NDF: 20.7/18

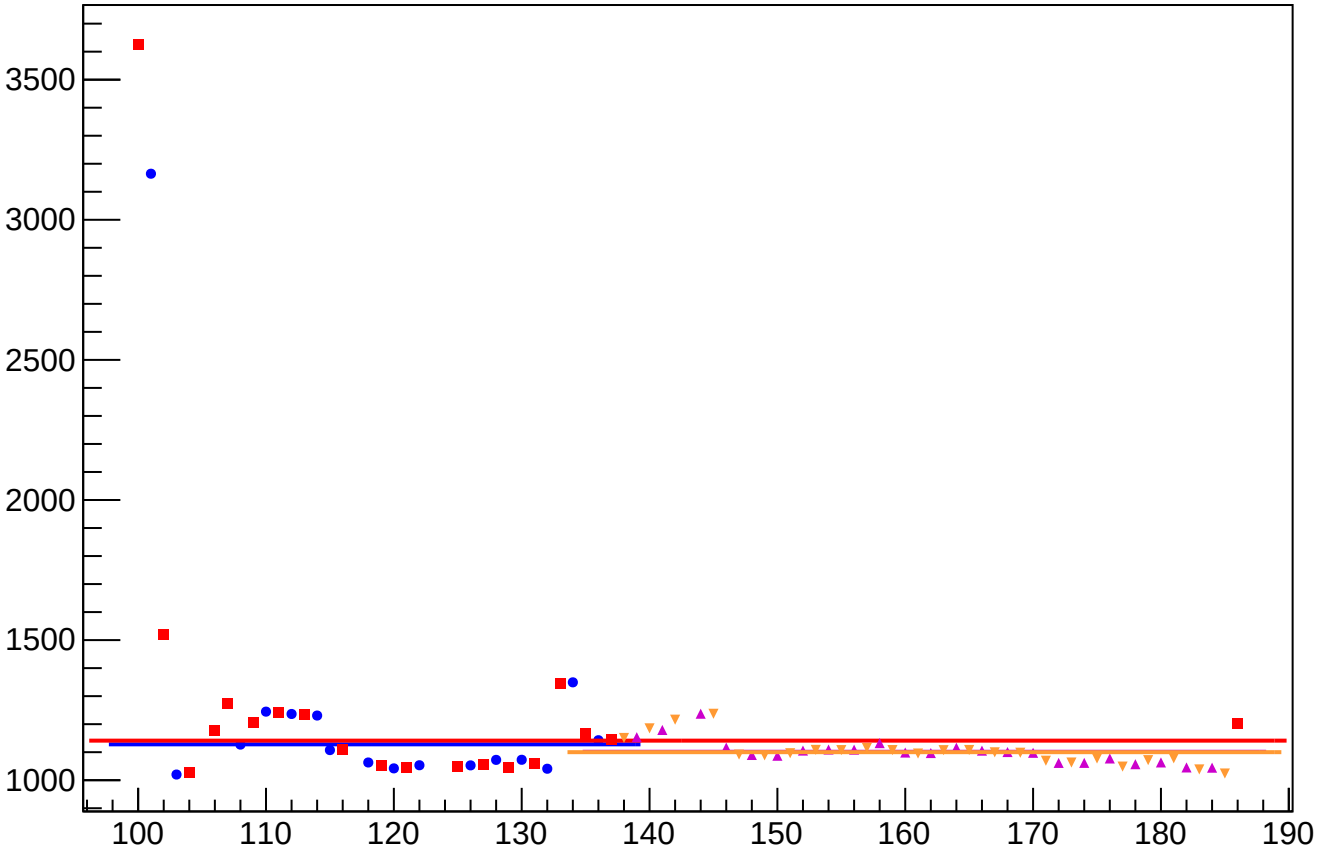
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 317.376+/-219.557 χ^2/NDF: 61.4/39

All: 292.904+/-155.202 χ^2/NDF: 100.7/81

- sign 268.462+/-219.420 χ^2/NDF: 39.3/41

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

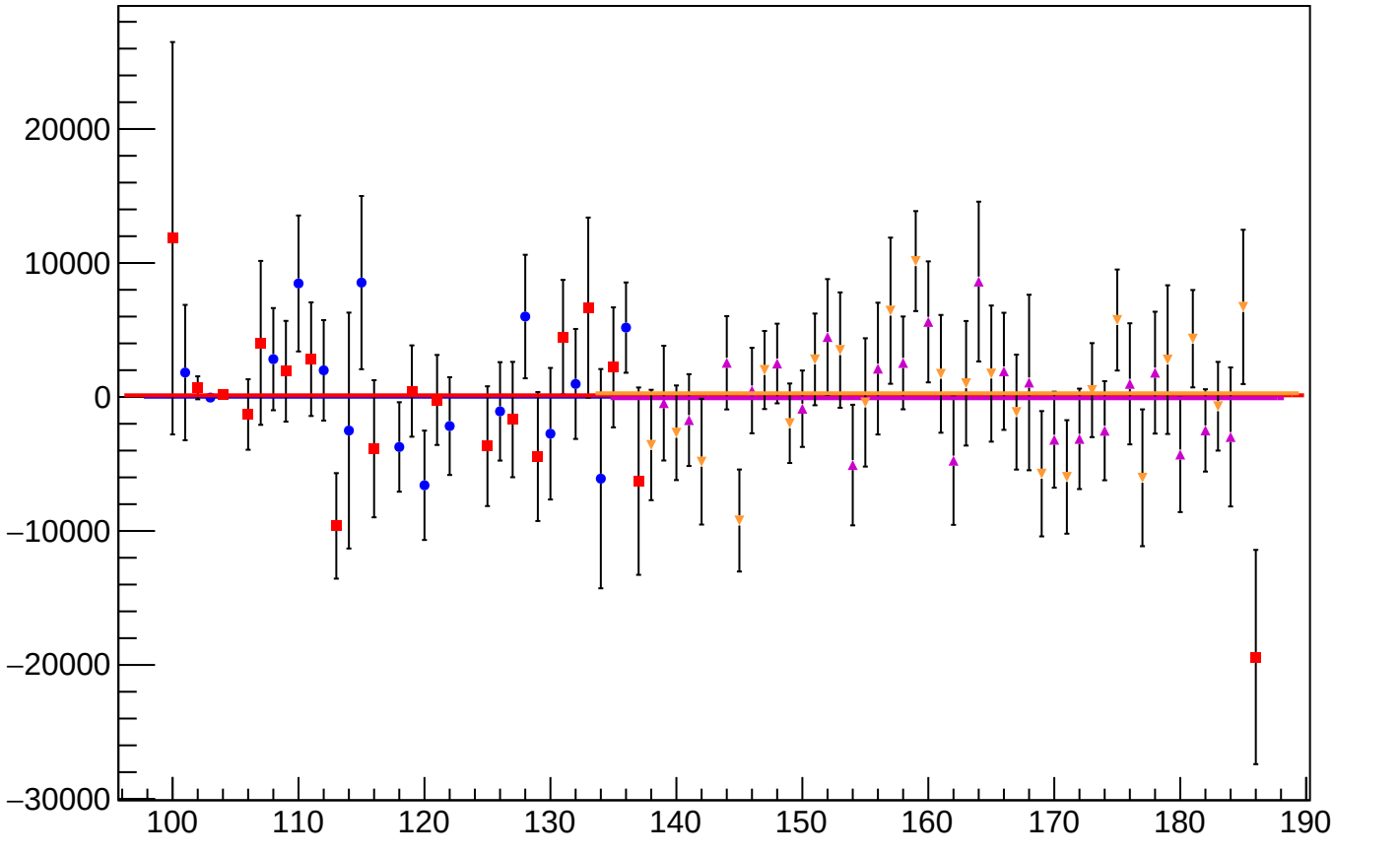
Right Out: 1141.225+/-0.297 χ^2/NDF: 222850.6/18

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1107.377+/-0.155 χ^2/NDF: 686389.6/39

All: 1109.883+/-0.110 χ^2/NDF: 974915.5/81

\- sign 1112.385+/-0.155 χ^2/NDF: 288005.3/41



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

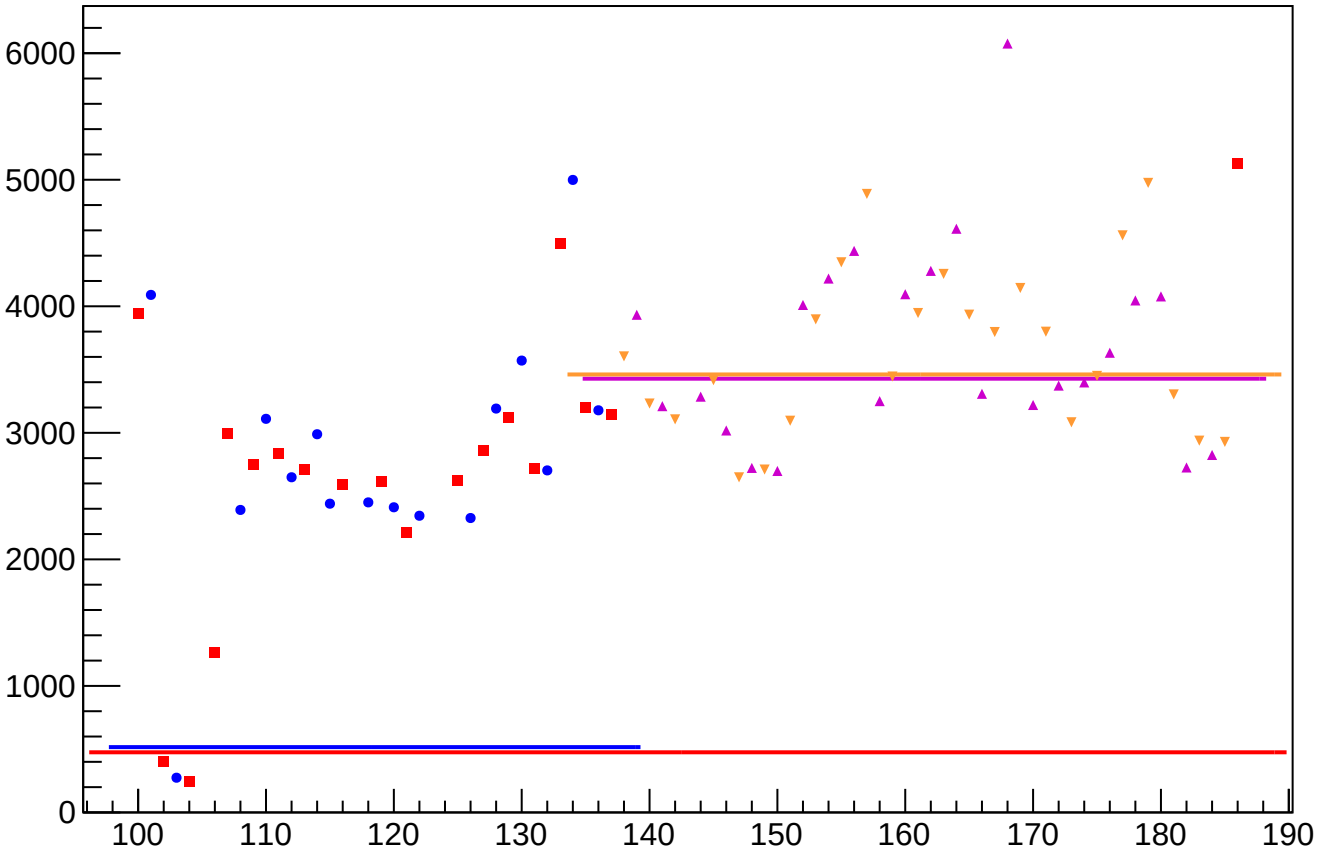
Right Out: 125.466+/-317.118 χ^2/NDF: 20.0/18

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 60.000+/-317.658 χ^2/NDF: 44.8/39

All: 79.637+/-216.414 χ^2/NDF: 78.5/81

- sign 96.647+/-295.639 χ^2/NDF: 33.7/41



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 475.384+/-0.224 χ^2/NDF: 9788624.6/18

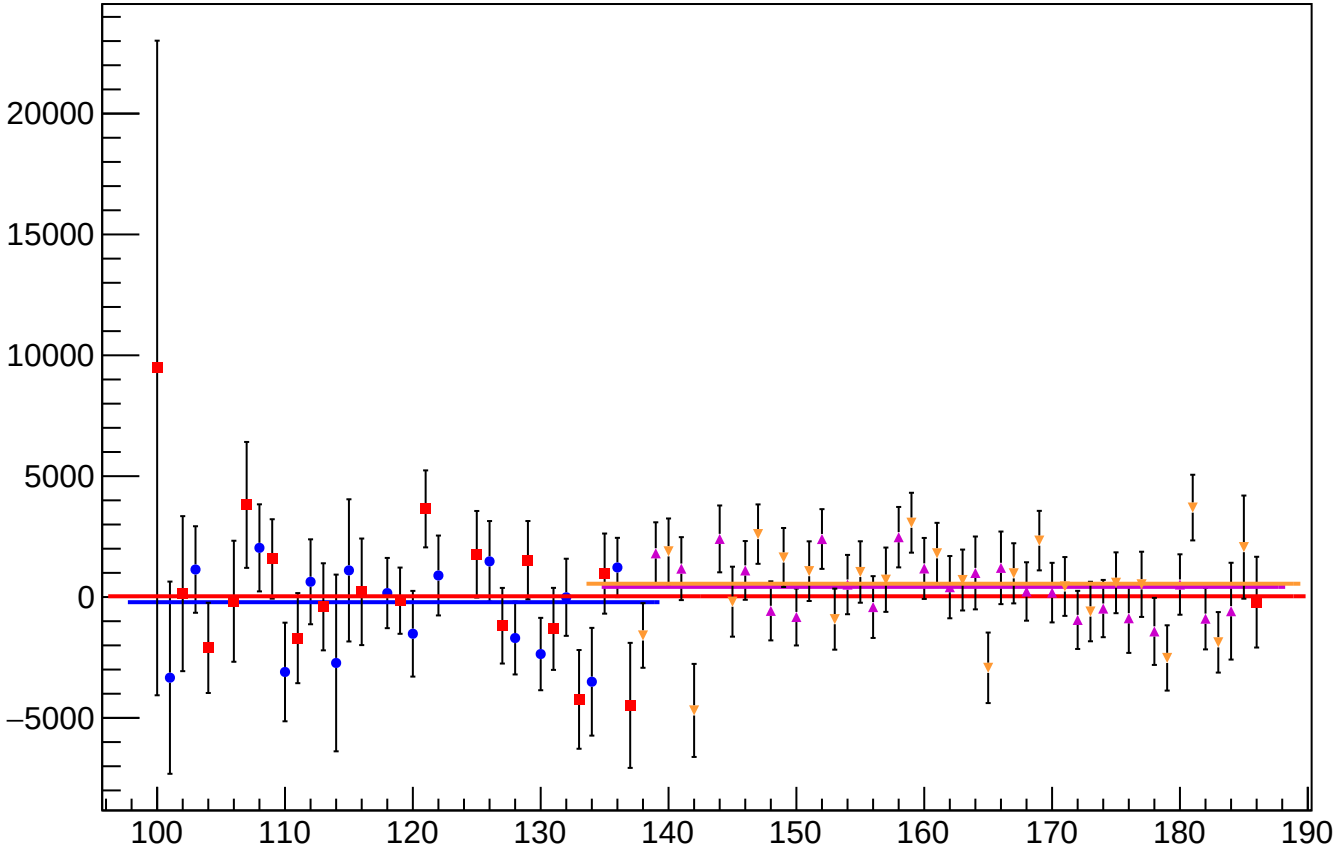
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 957.705+/-0.225 χ^2/NDF: 32796602.4/39

All: 906.302+/-0.153 χ^2/NDF: 66614596.4/81

- sign 861.778+/-0.209 χ^2/NDF: 33720260.2/41

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 31.720+/-435.046 χ^2/NDF: 21.7/18

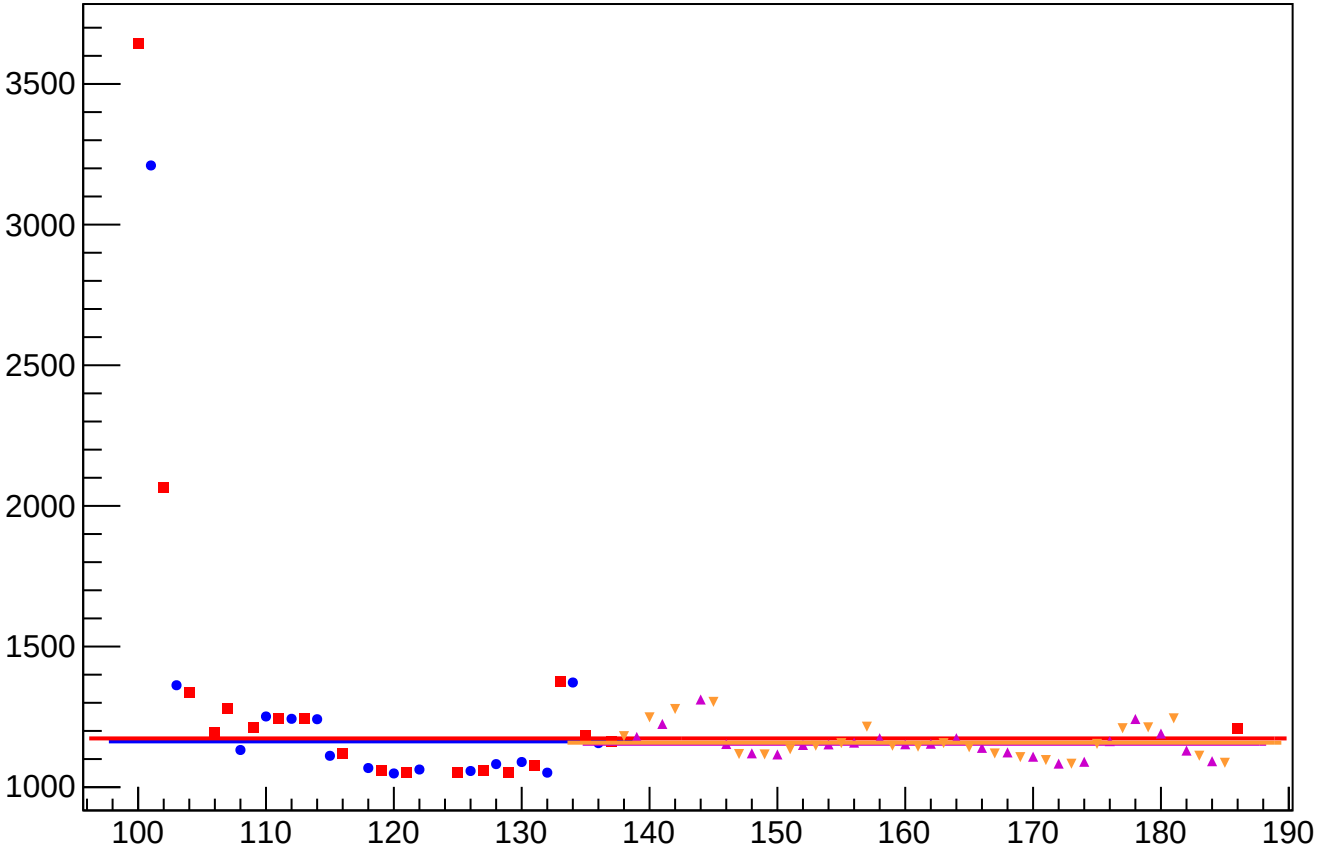
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 344.471+/-230.014 χ^2/NDF: 61.7/39

All: 328.625+/-162.390 χ^2/NDF: 102.0/81

- sign 312.877+/-229.296 χ^2/NDF: 40.2/41

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

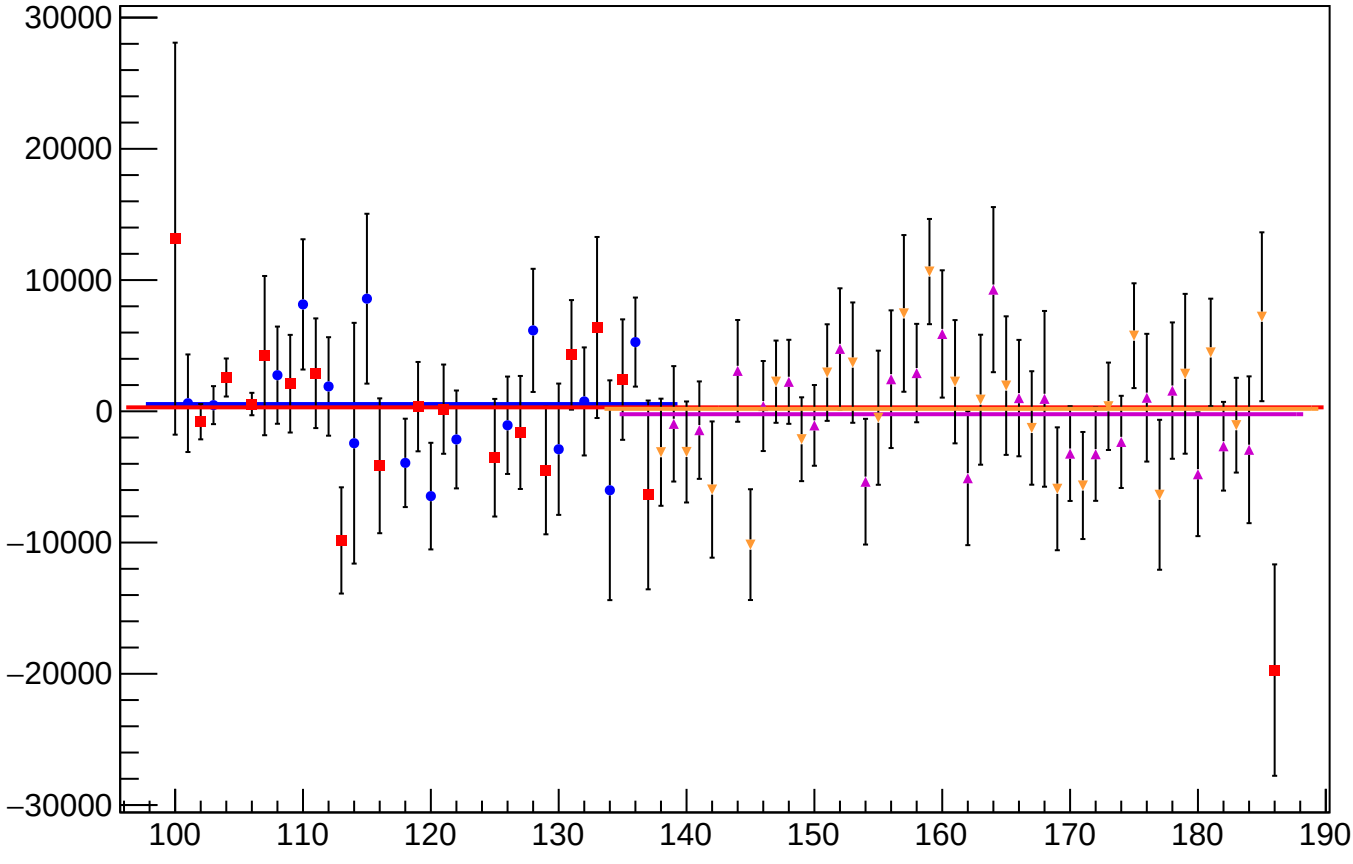
Right Out: 1173.364+/-0.307 χ^2/NDF: 332345.7/18

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1159.439+/-0.163 χ^2/NDF: 719628.0/39

All: 1159.494+/-0.115 χ^2/NDF: 1121246.7/81

- sign 1159.549+/-0.162 χ^2/NDF: 401618.5/41



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

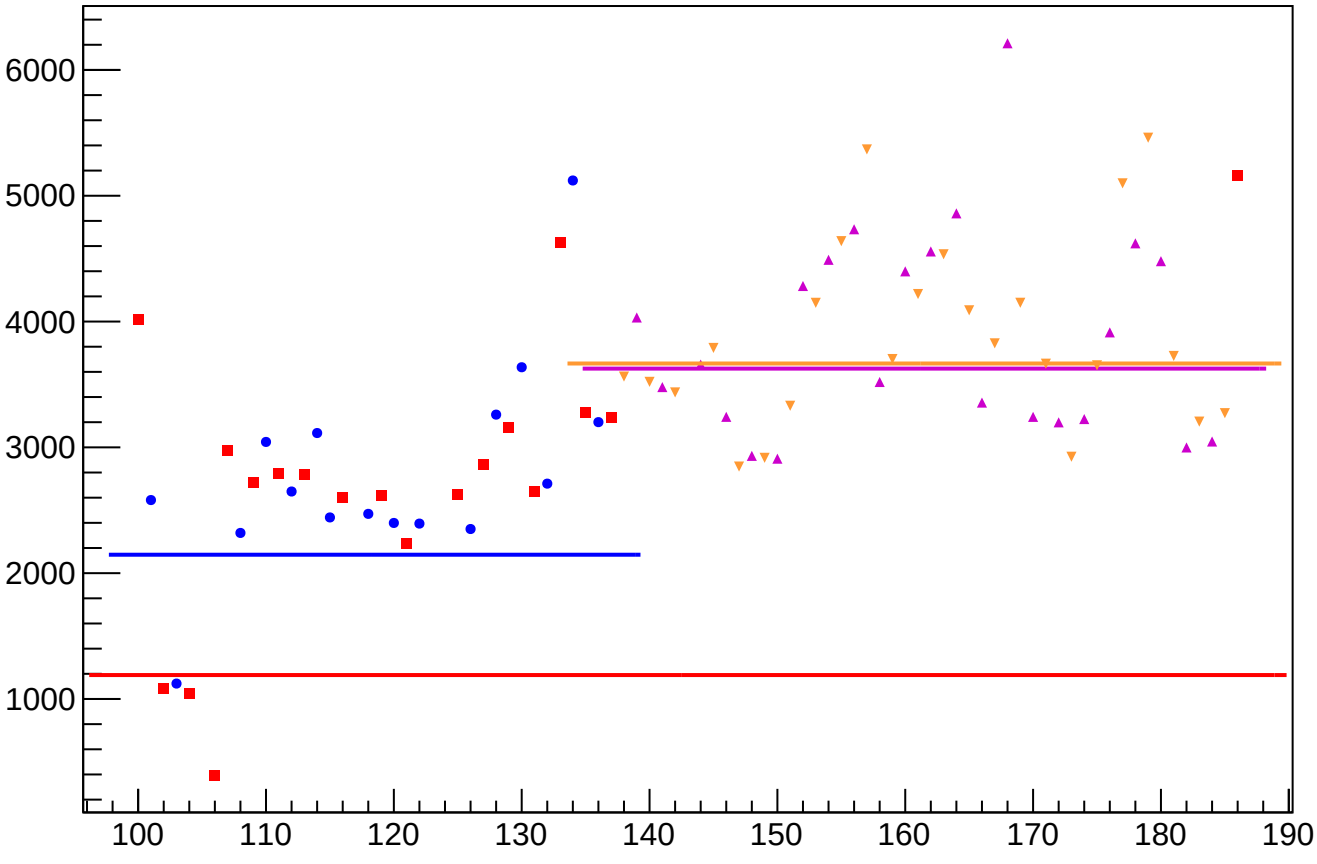
Right Out: 301.625+/-564.479 χ^2/NDF: 22.9/18

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

\+ sign 370.149+/-616.435 χ^2/NDF: 43.8/39

All: 228.600+/-375.103 χ^2/NDF: 80.4/81

\- sign 145.369+/-472.690 χ^2/NDF: 36.5/41



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

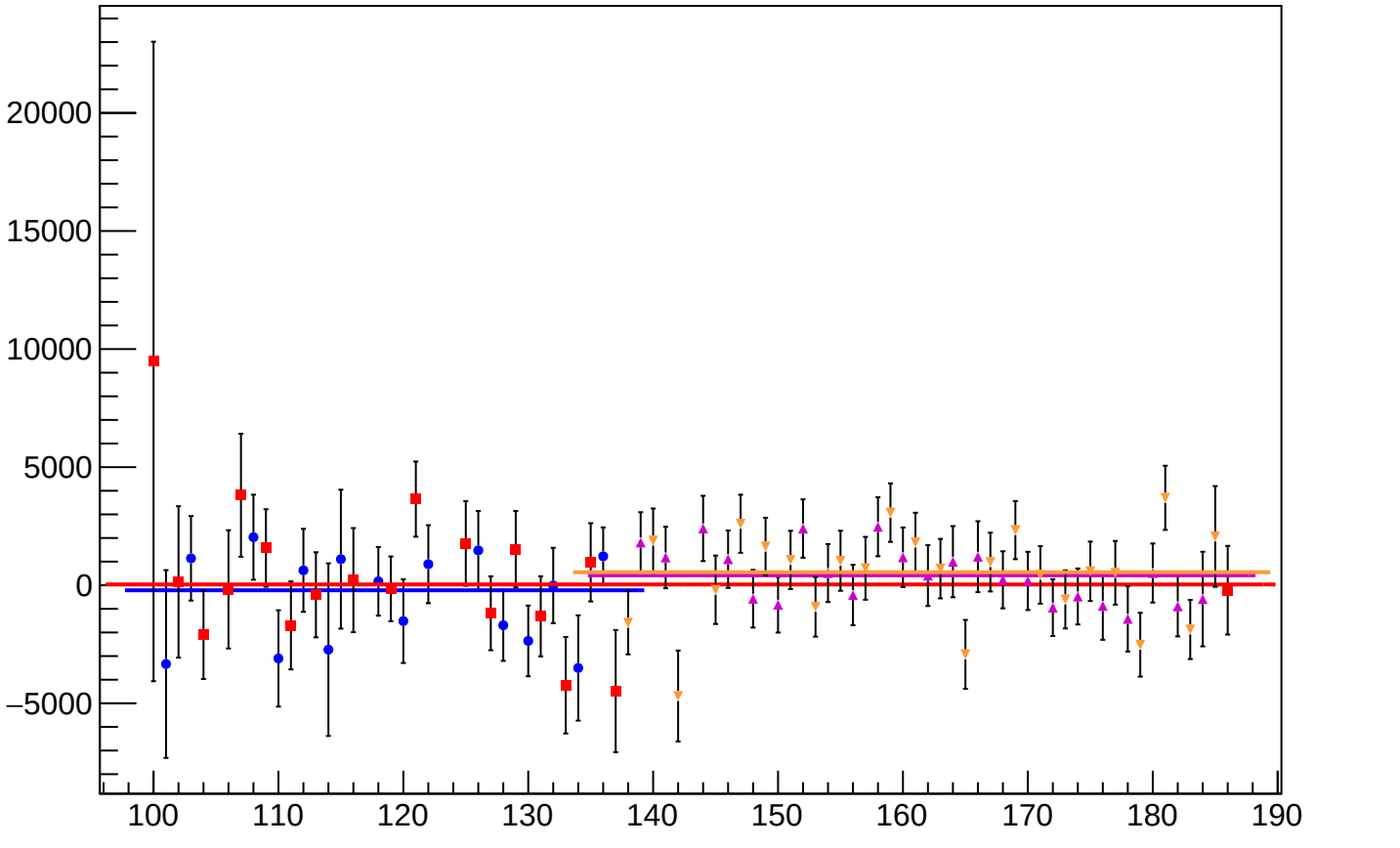
Right Out: 1190.166+/-0.399 χ^2/NDF: 6305631.4/18

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 2910.669+/-0.436 χ^2/NDF: 6110209.2/39

All: 2285.511+/-0.265 χ^2/NDF: 28066679.0/8

- sign 1917.918+/-0.334 χ^2/NDF: 18689946.2/41



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 31.727+/-435.046 χ^2/NDF: 21.7/18

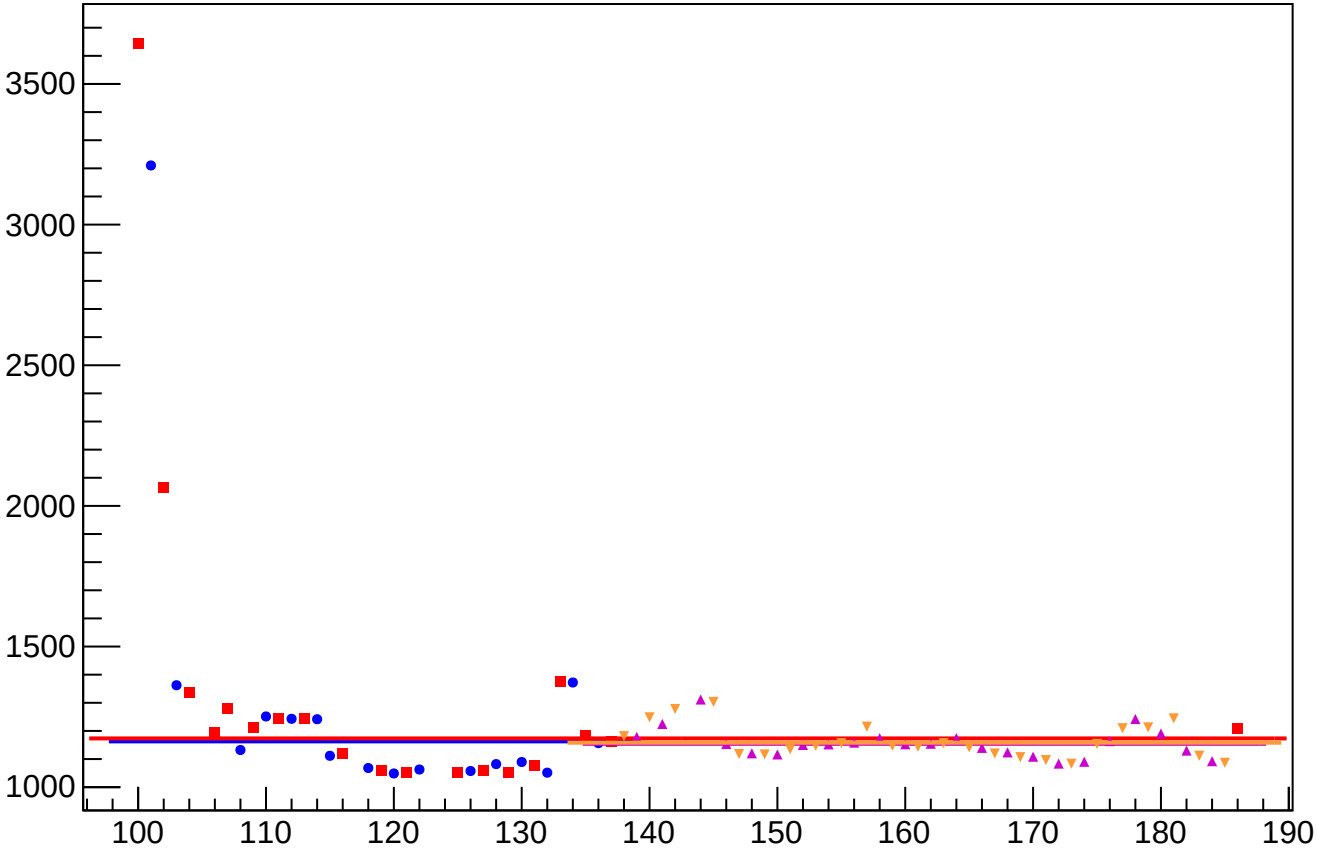
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 344.472+/-230.014 χ^2/NDF: 61.7/39

All: 328.625+/-162.390 χ^2/NDF: 102.0/81

- sign 312.878+/-229.296 χ^2/NDF: 40.2/41

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

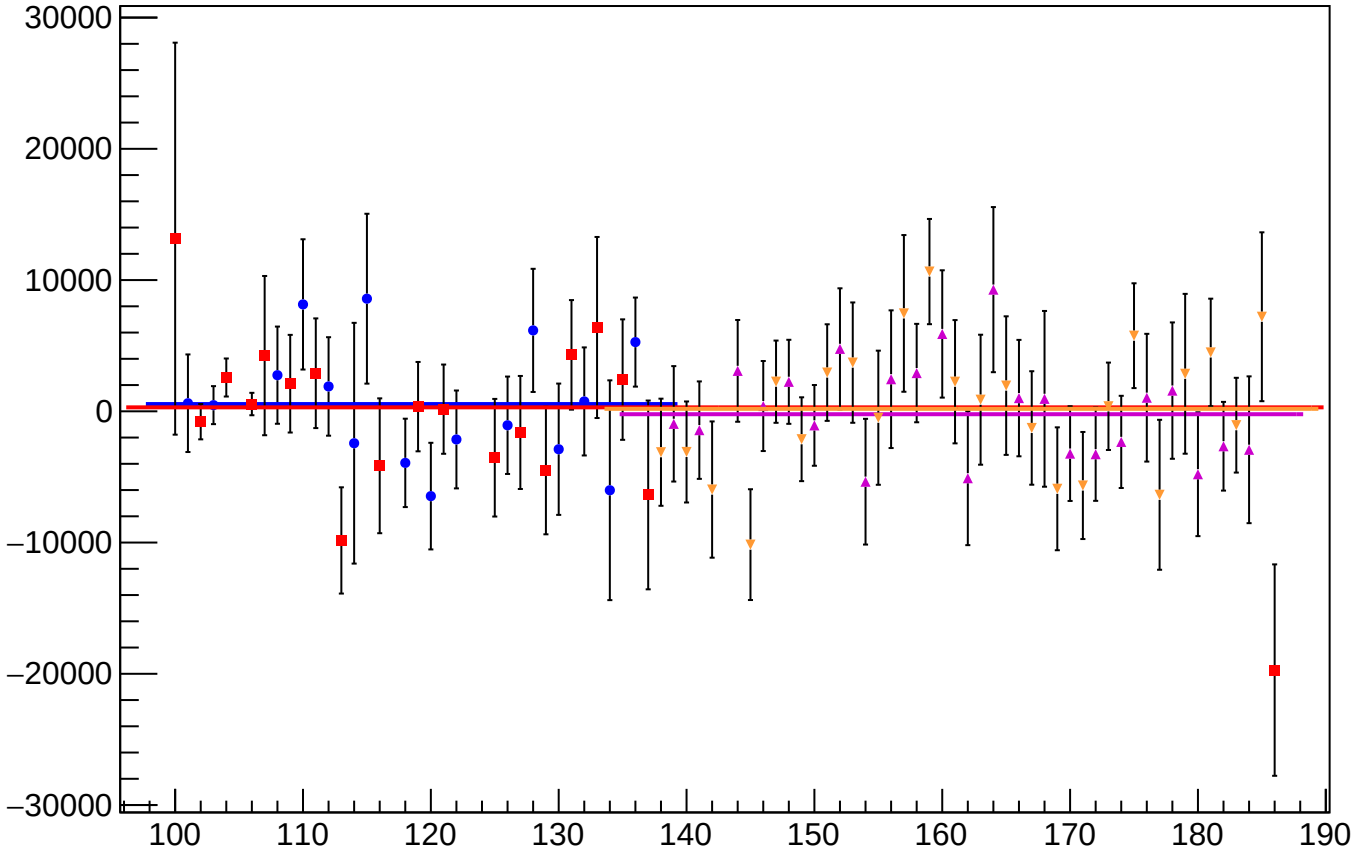
Right Out: 1173.364+/-0.307 χ^2/NDF: 332345.3/18

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

\+ sign 1159.440+/-0.163 χ^2/NDF: 719630.6/39

All: 1159.495+/-0.115 χ^2/NDF: 1121251.0/81

\- sign 1159.550+/-0.162 χ^2/NDF: 401620.2/41



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

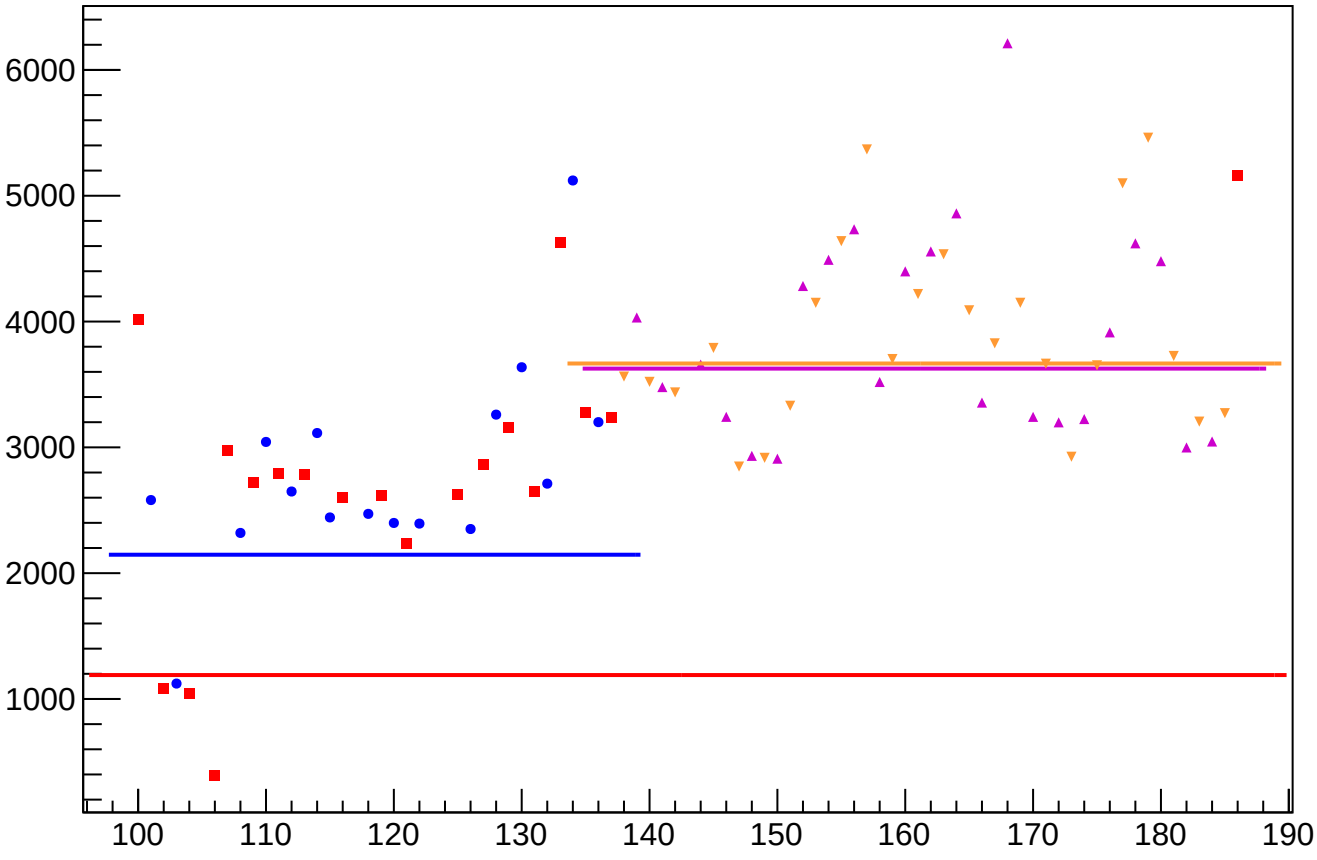
Right Out: 301.629+/-564.473 χ^2/NDF: 22.9/18

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 370.146+/-616.435 χ^2/NDF: 43.8/39

All: 228.601+/-375.101 χ^2/NDF: 80.4/81

- sign 145.374+/-472.686 χ^2/NDF: 36.5/41



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1190.142+/-0.399 χ^2/NDF: 6305763.1/18

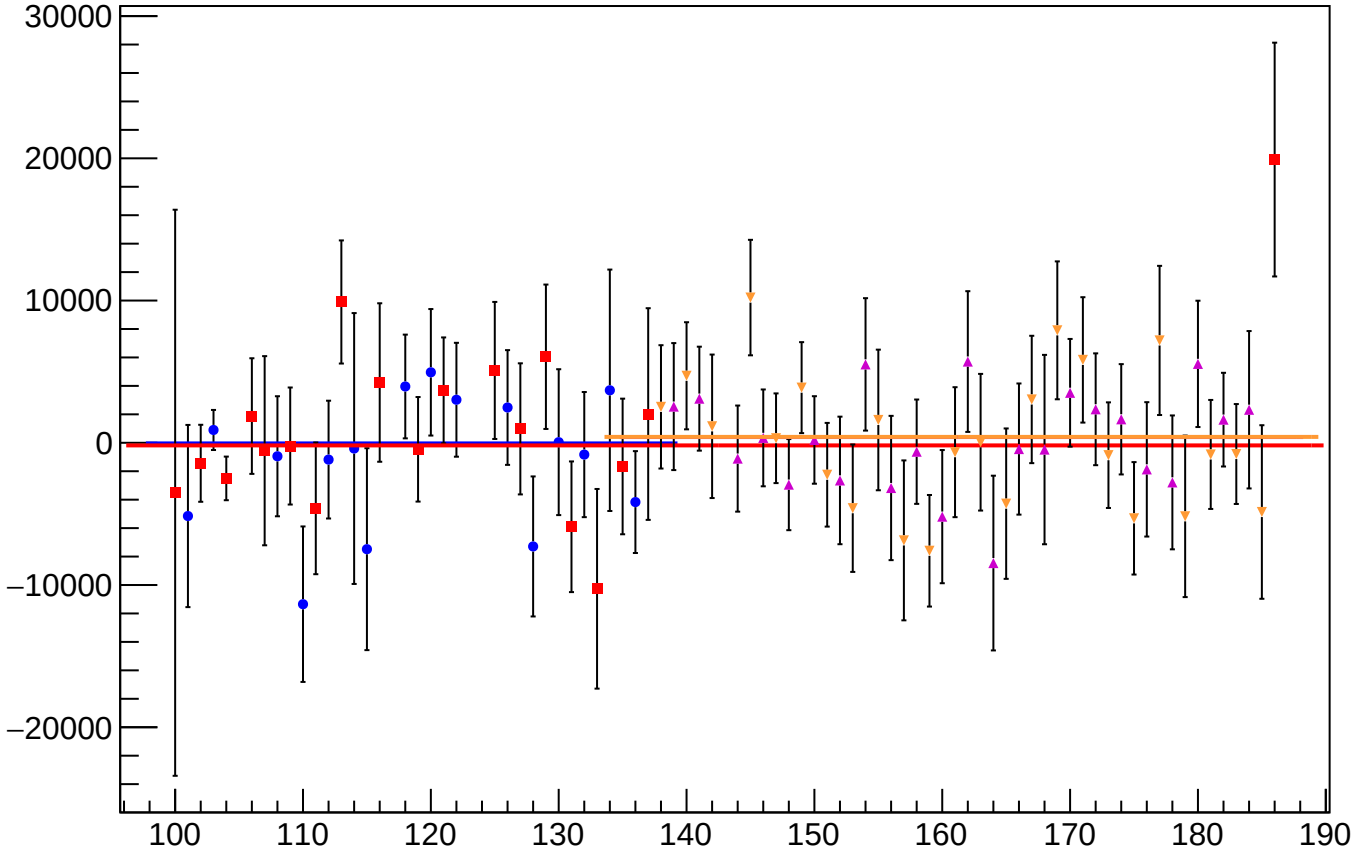
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 2910.668+/-0.436 χ^2/NDF: 6110241.8/39

All: 2285.489+/-0.265 χ^2/NDF: 28067364.5/8

- sign 1917.889+/-0.334 χ^2/NDF: 18690398.9/41

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

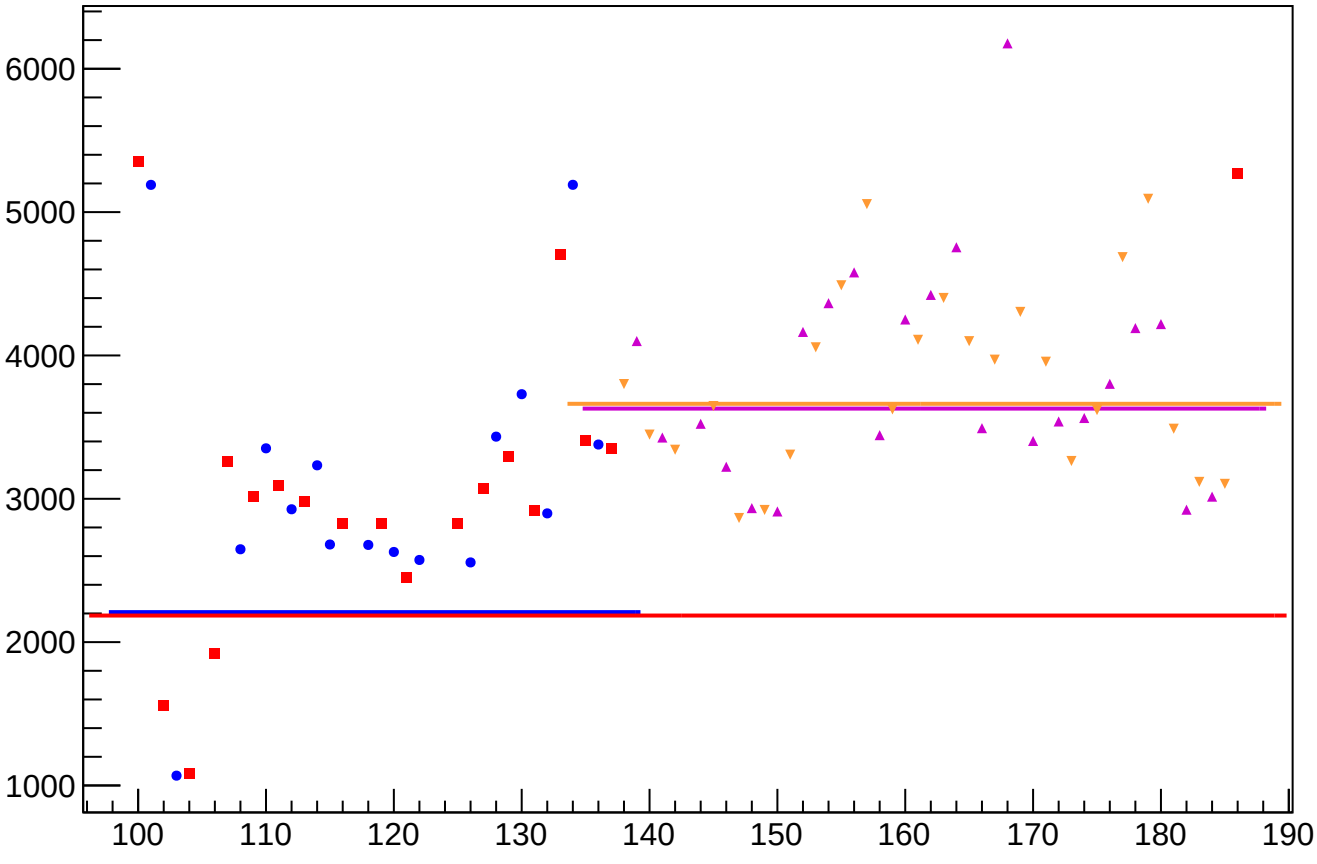
Right Out: -184.231+/-891.445 χ^2/NDF: 23.4/18

Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 198.515+/-630.559 χ^2/NDF: 41.0/39

All: 158.266+/-442.033 χ^2/NDF: 77.0/81

- sign 119.375+/-619.837 χ^2/NDF: 35.9/41



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

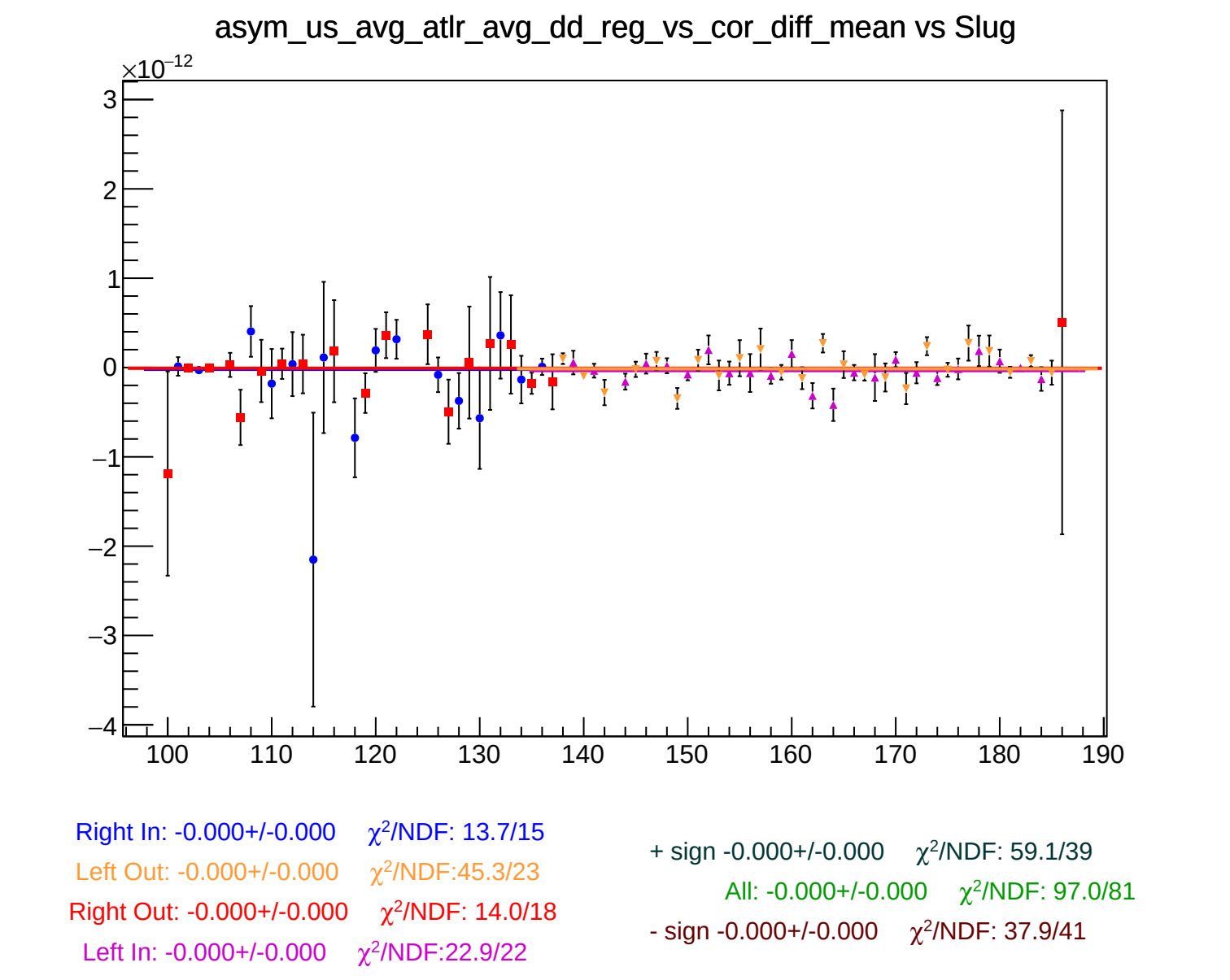
Right Out: 2185.493+/-0.629 χ^2/NDF: 2554698.8/18

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 2981.042+/-0.446 χ^2/NDF: 6376199.2/39

All: 2954.801+/-0.312 χ^2/NDF: 12708775.0/8

- sign 2929.502+/-0.438 χ^2/NDF: 6325772.6/41


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
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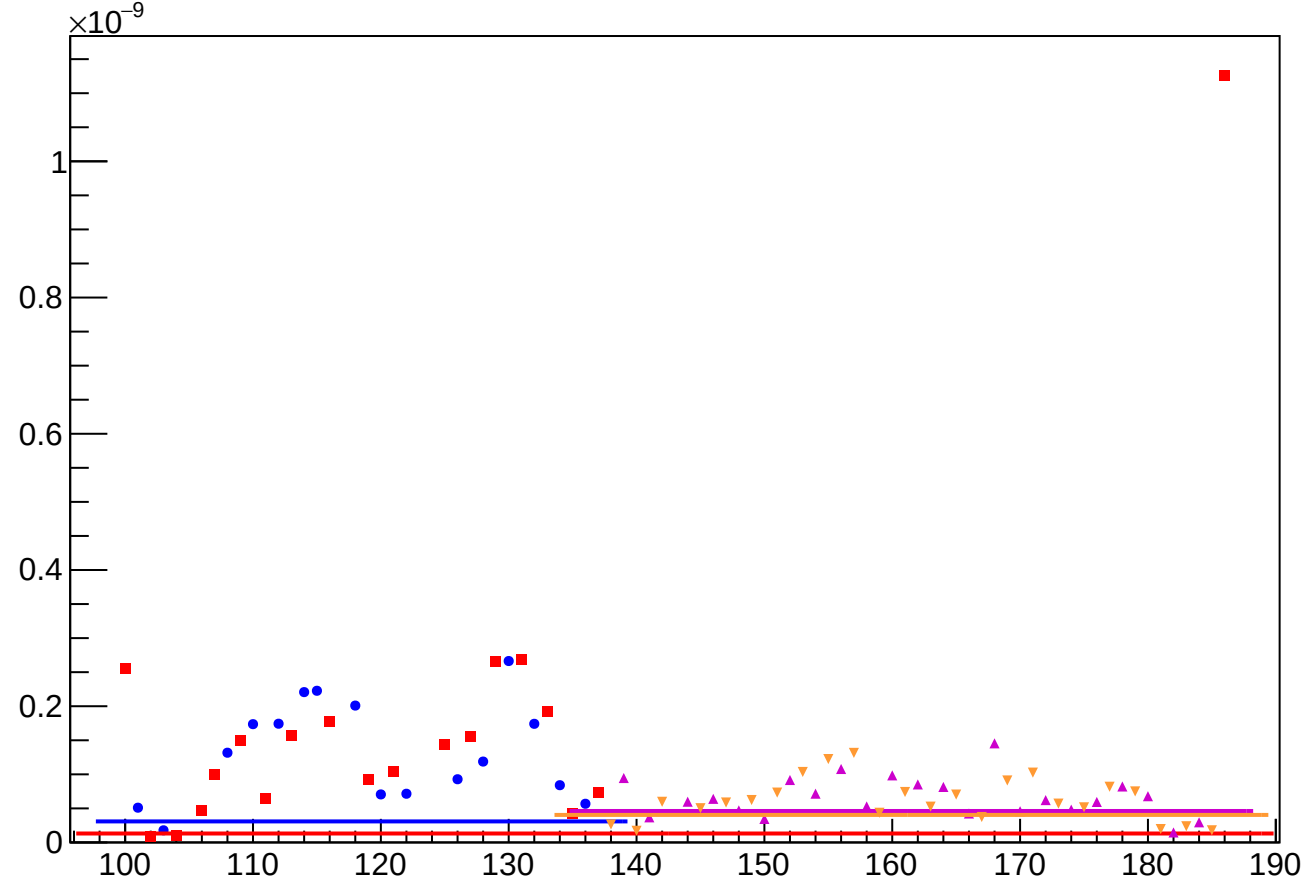
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 14.0/18
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
+ sign -0.000+/-0.000 χ²/NDF: 59.1/39
All: -0.000+/-0.000 χ²/NDF: 97.0/81
- sign -0.000+/-0.000 χ²/NDF: 37.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

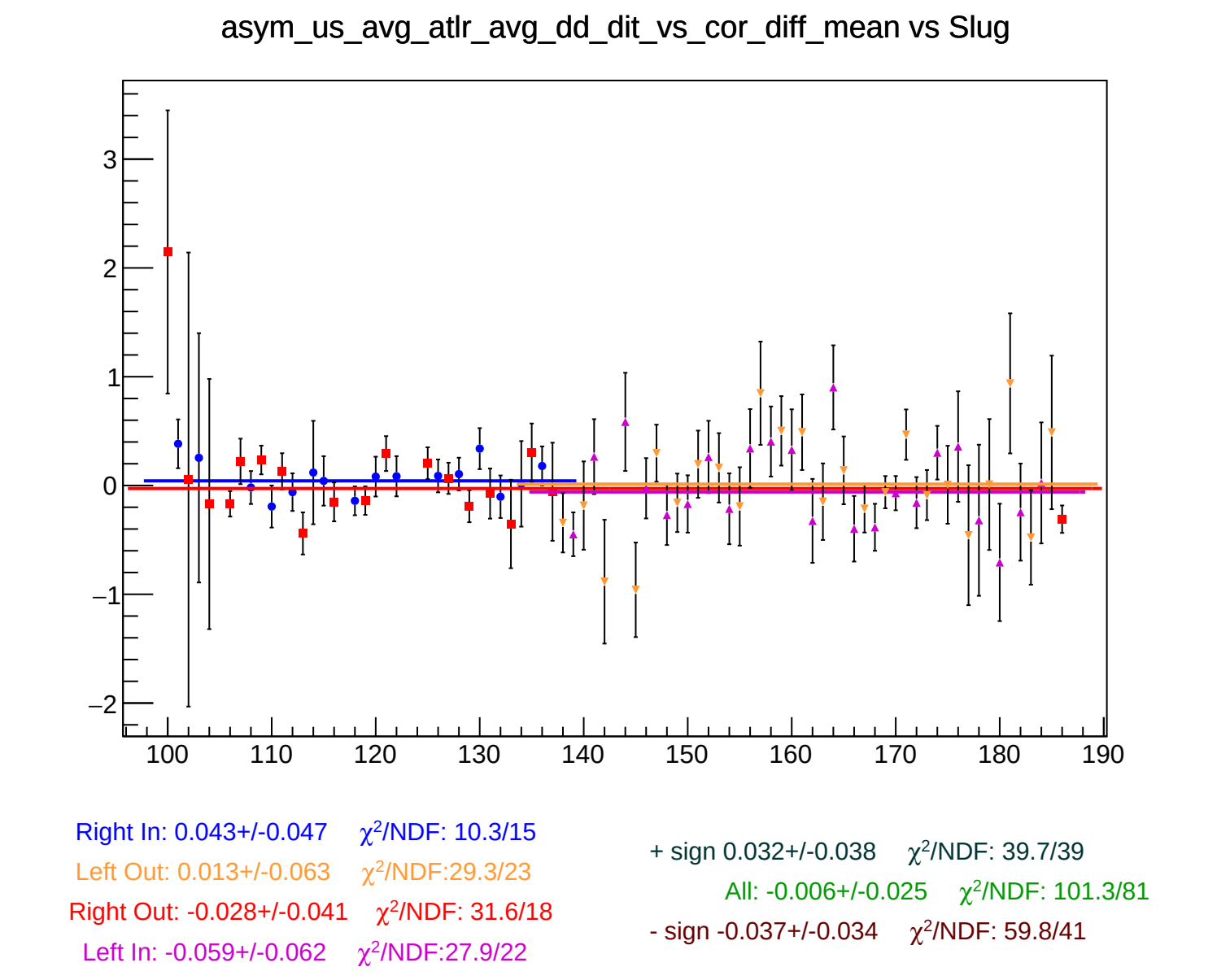
Right Out: 0.000+/-0.000 χ^2/NDF: 4099330.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6613255.5/39

All: 0.000+/-0.000 χ^2/NDF: 17963370.0/81

- sign 0.000+/-0.000 χ^2/NDF: 10527735.9/41


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
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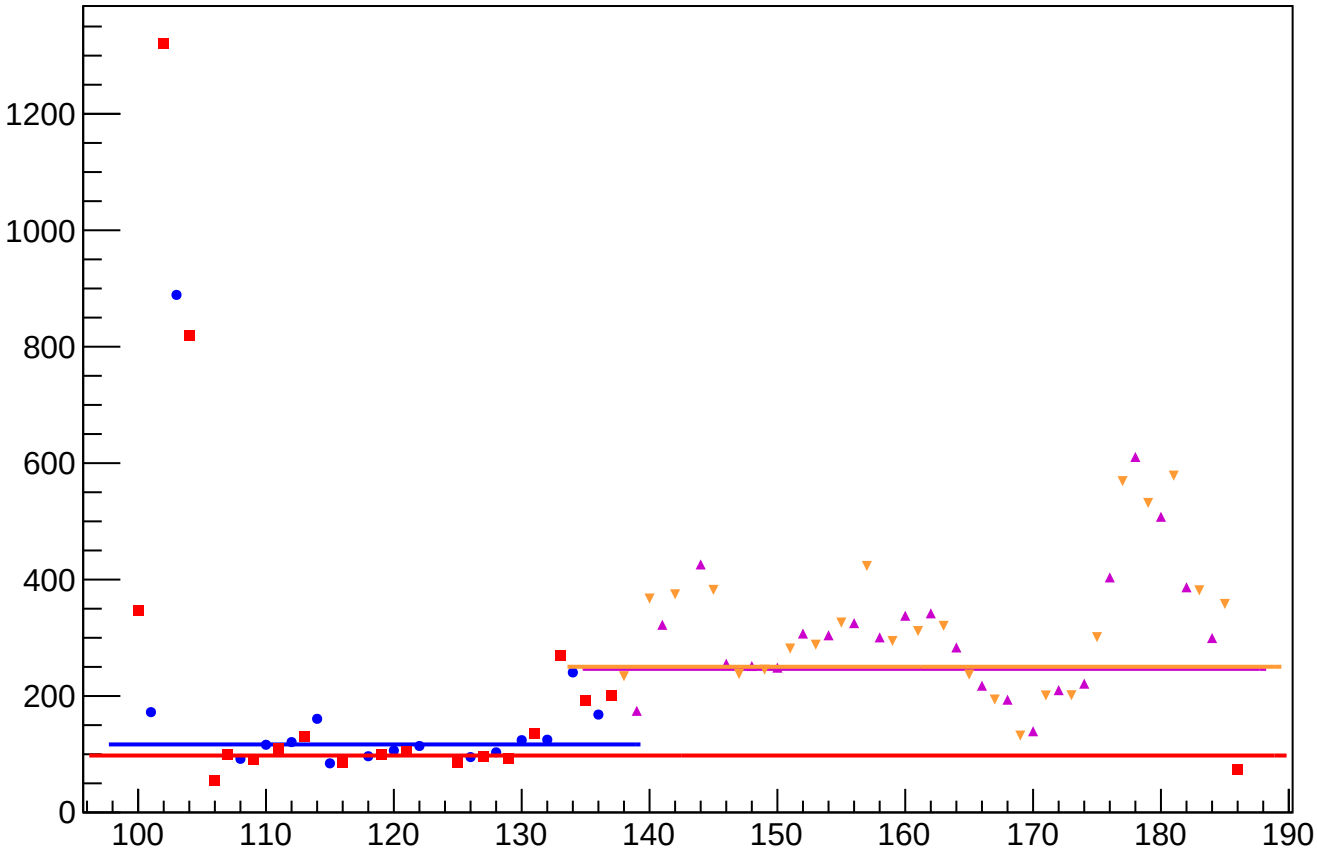
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.028+/-0.041 χ²/NDF: 31.6/18
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.032+/-0.038 χ²/NDF: 39.7/39
All: -0.006+/-0.025 χ²/NDF: 101.3/81
- sign -0.037+/-0.034 χ²/NDF: 59.8/41



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

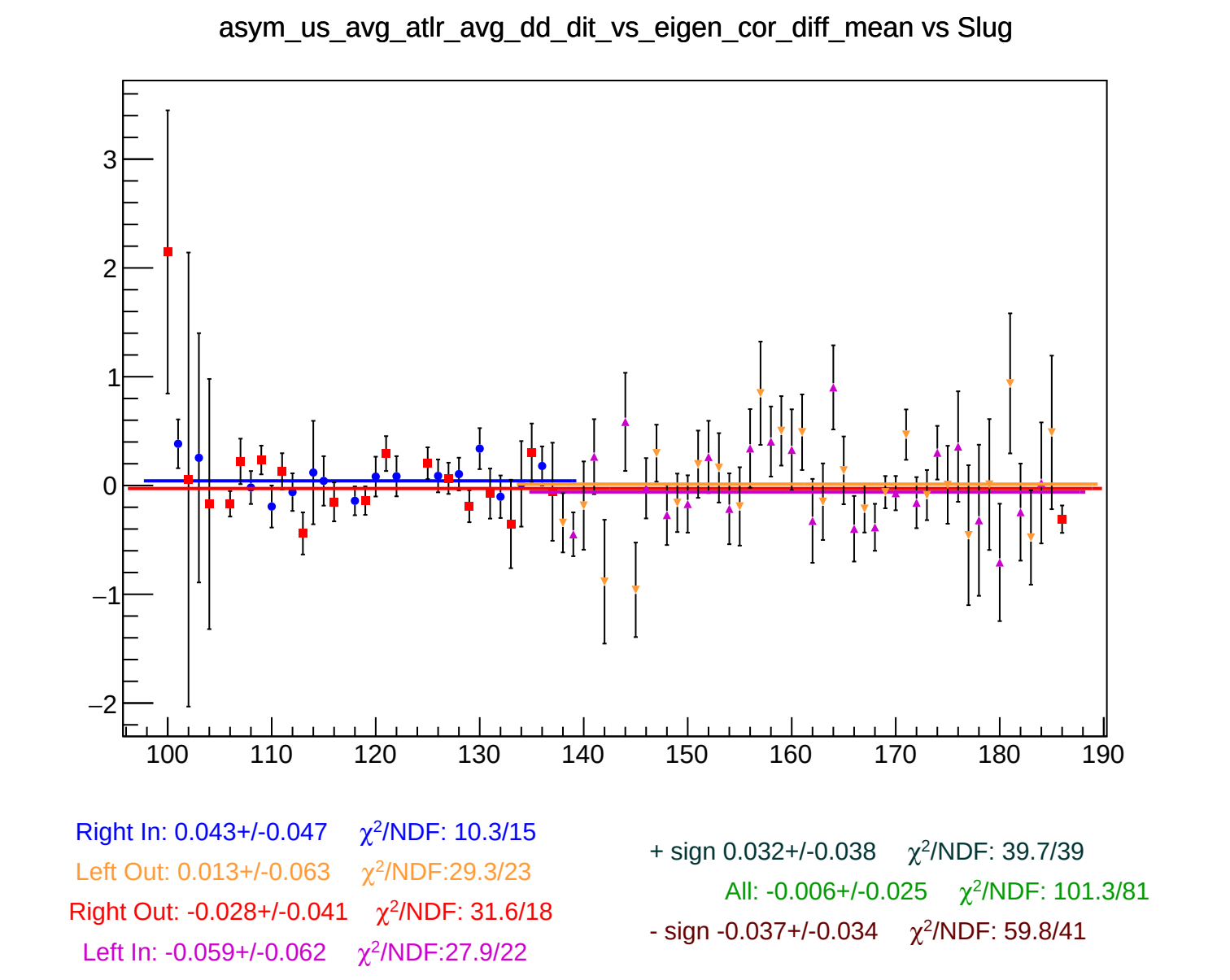
Right Out: 97.792+/-0.029 χ^2/NDF: 2739972.9/18

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 165.140+/-0.027 χ^2/NDF: 11693775.2/39

All: 152.986+/-0.018 χ^2/NDF: 26595064.1/81

- 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
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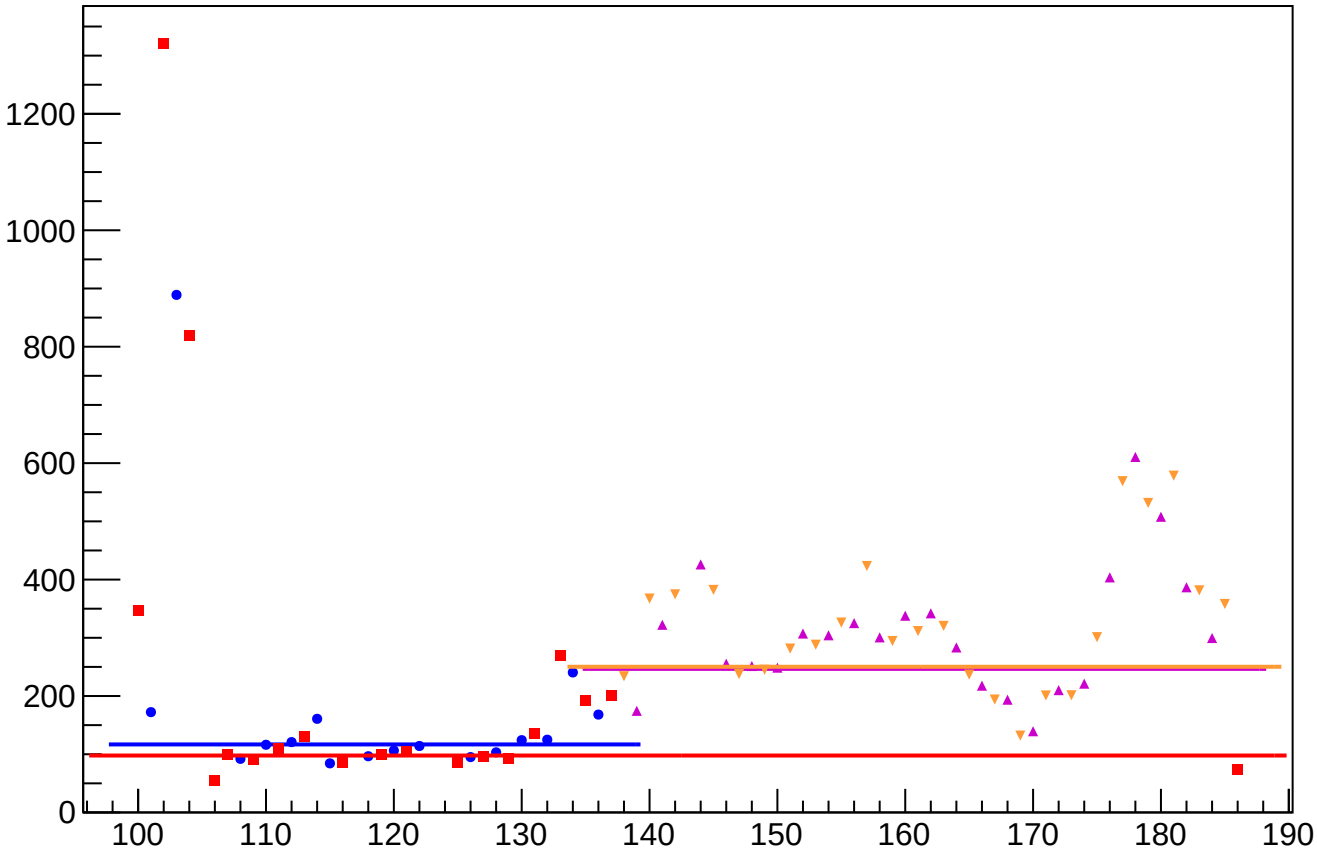
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.028+/-0.041 χ²/NDF: 31.6/18
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.032+/-0.038 χ²/NDF: 39.7/39
All: -0.006+/-0.025 χ²/NDF: 101.3/81
- sign -0.037+/-0.034 χ²/NDF: 59.8/41



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

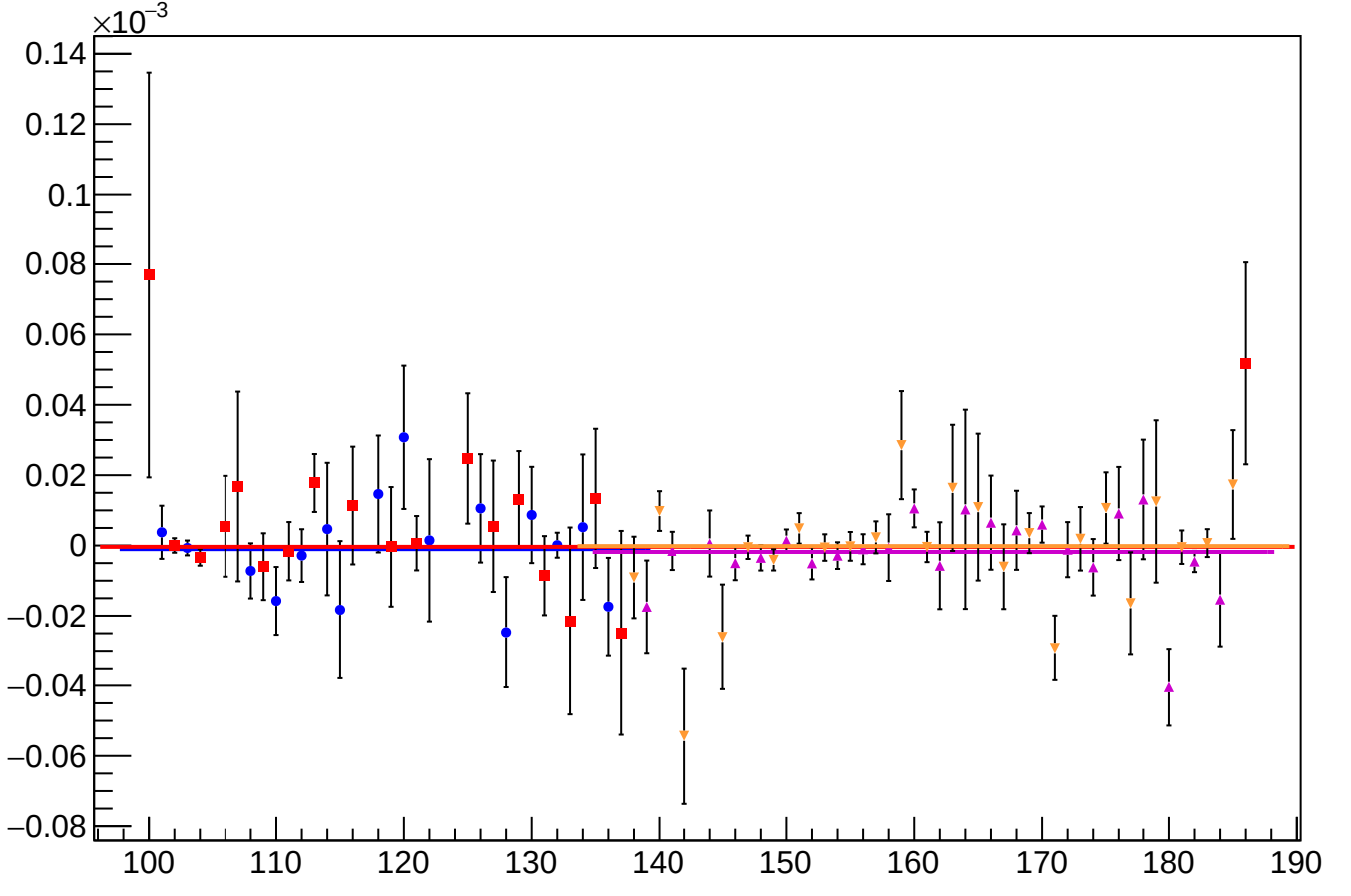
Right Out: 97.792+/-0.029 χ^2/NDF: 2739972.9/18

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 165.140+/-0.027 χ^2/NDF: 11693775.2/39

All: 152.986+/-0.018 χ^2/NDF: 26595064.1/81

- sign 143.090+/-0.024 χ^2/NDF: 14528386.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

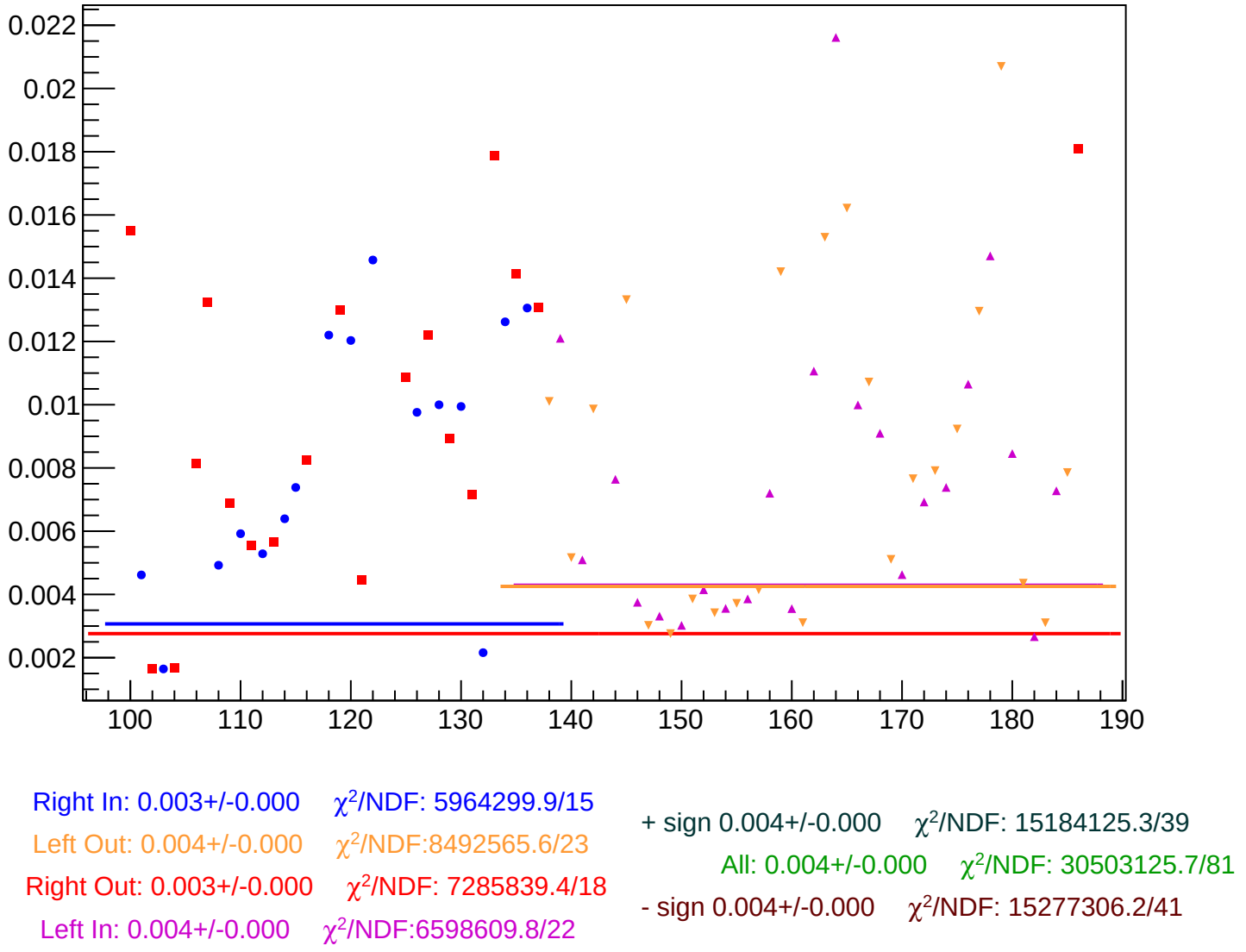
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.9/39

All: -0.000+/-0.000 χ^2/NDF: 97.4/81

- 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
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0.016
0.014
0.012
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0.002
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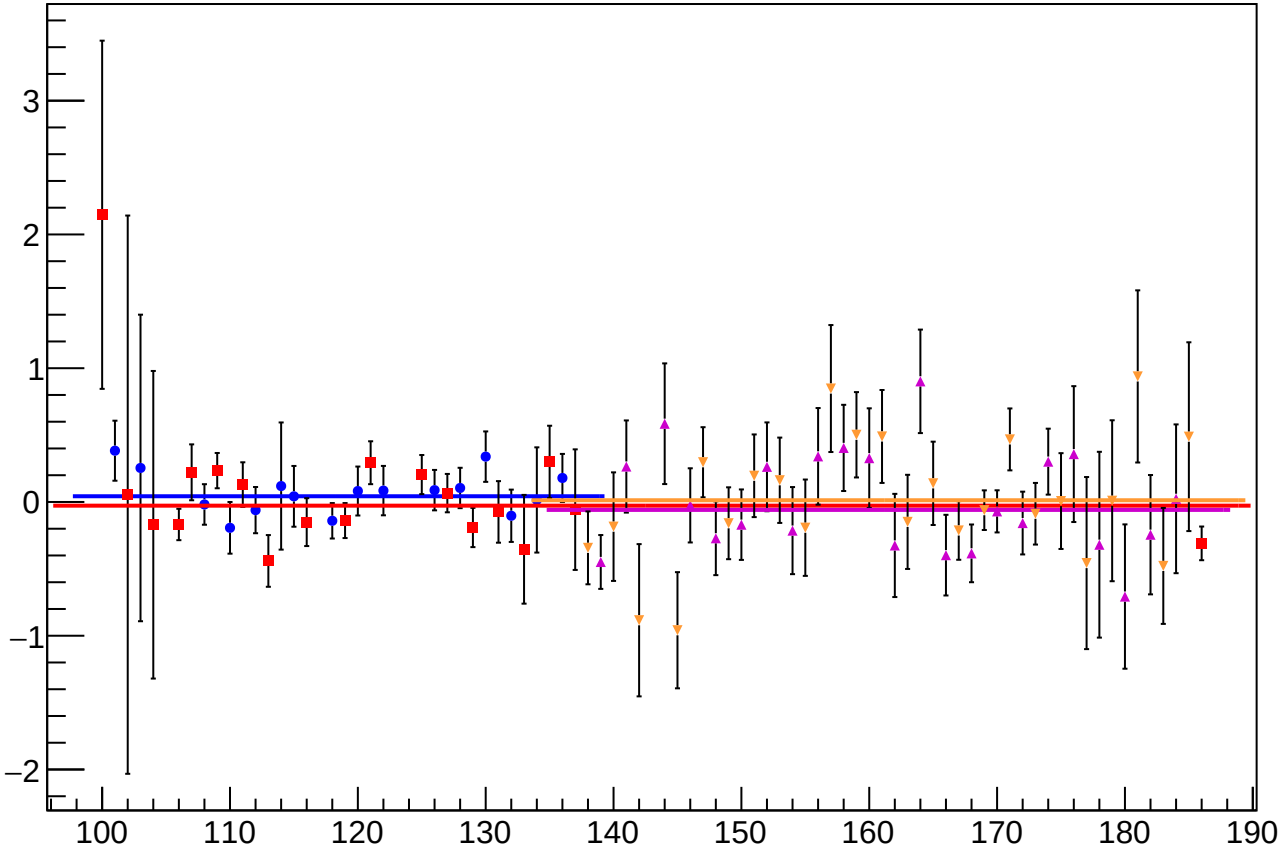
Right In: 0.003+/-0.000 χ²/NDF: 5964299.9/15
Left Out: 0.004+/-0.000 χ²/NDF:8492565.6/23
Right Out: 0.003+/-0.000 χ²/NDF: 7285839.4/18
Left In: 0.004+/-0.000 χ²/NDF:6598609.8/22
+ sign 0.004+/-0.000 χ²/NDF: 15184125.3/39
All: 0.004+/-0.000 χ²/NDF: 30503125.7/81
- sign 0.004+/-0.000 χ²/NDF: 15277306.2/41

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

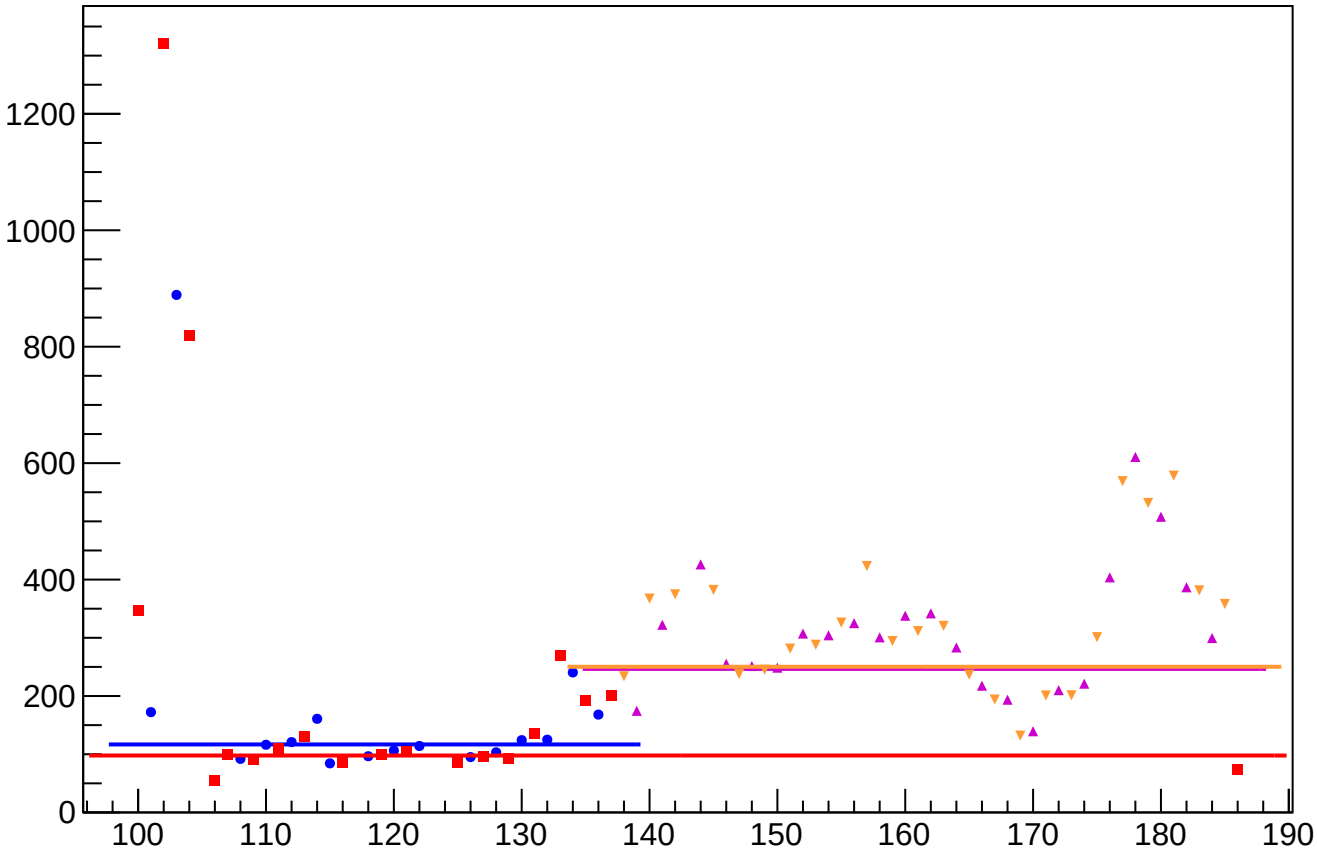
Right Out: -0.028+/-0.041 χ^2/NDF: 31.6/18

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.032+/-0.038 χ^2/NDF: 39.7/39

All: -0.006+/-0.025 χ^2/NDF: 101.3/81

- sign -0.037+/-0.034 χ^2/NDF: 59.8/41



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

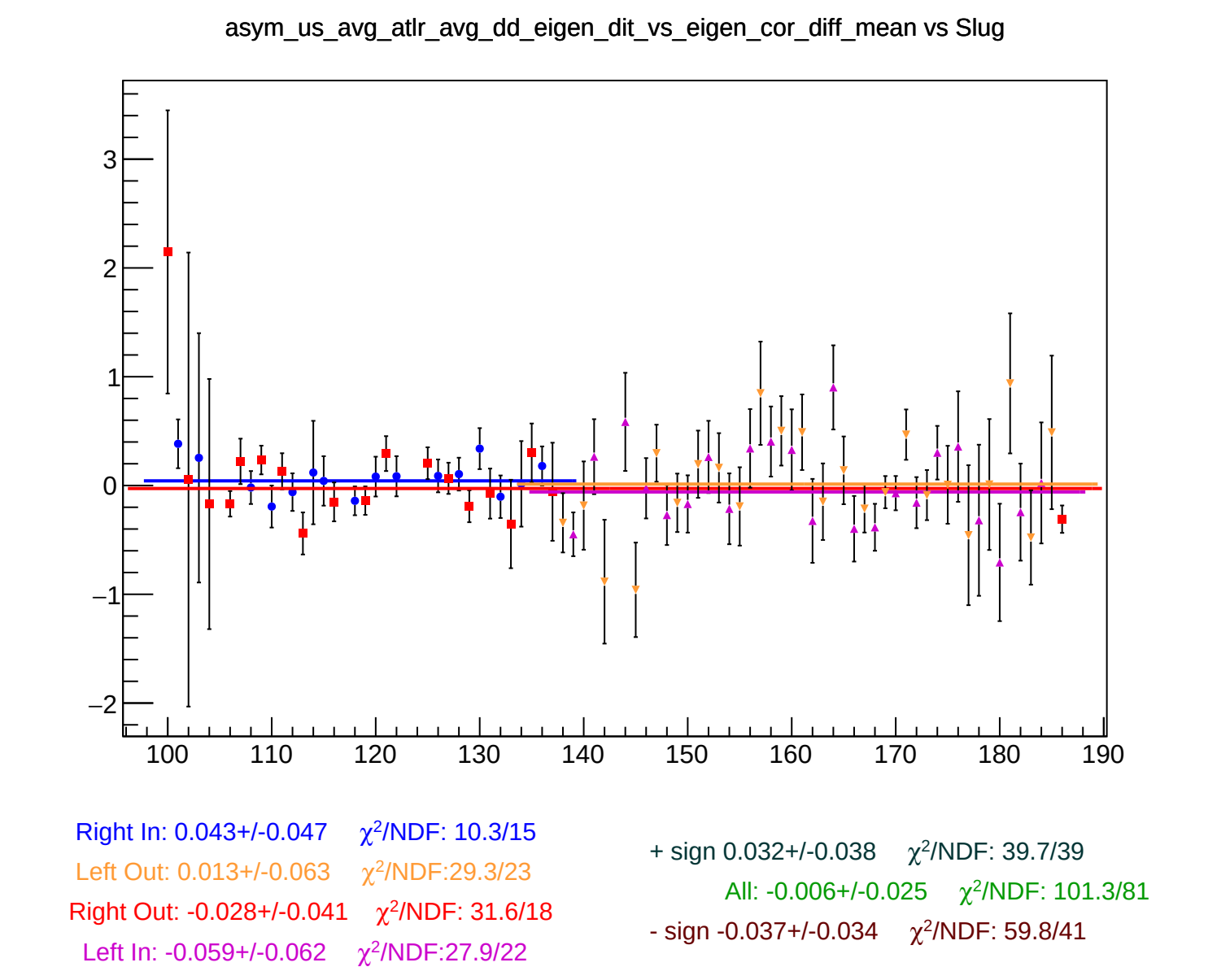
Right Out: 97.789+/-0.029 χ^2/NDF: 2740148.6/18

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 165.139+/-0.027 χ^2/NDF: 11693945.3/39

All: 152.983+/-0.018 χ^2/NDF: 26596110.2/81

- 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
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120
130
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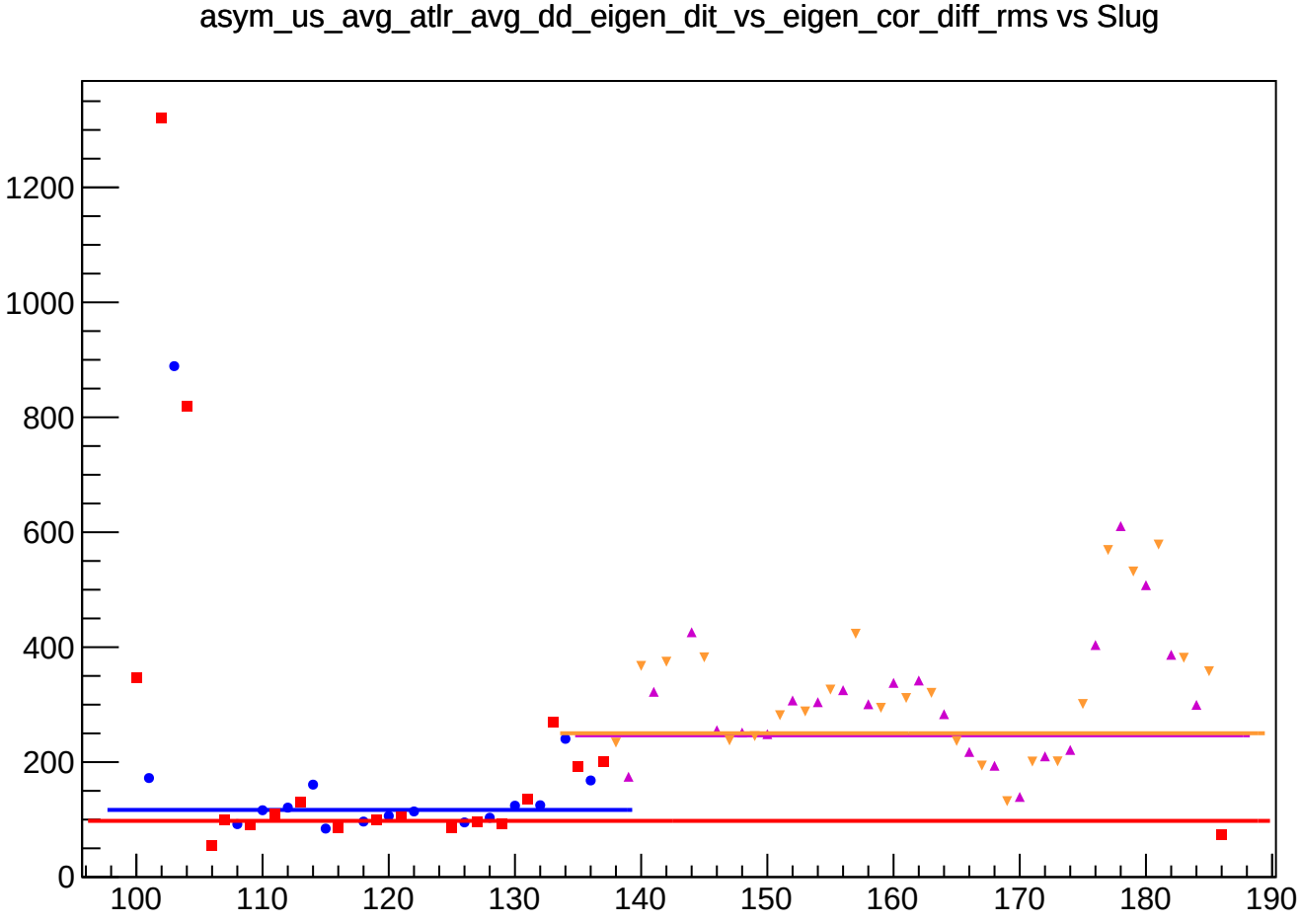
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.028+/-0.041 χ²/NDF: 31.6/18
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.032+/-0.038 χ²/NDF: 39.7/39
All: -0.006+/-0.025 χ²/NDF: 101.3/81
- sign -0.037+/-0.034 χ²/NDF: 59.8/41



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

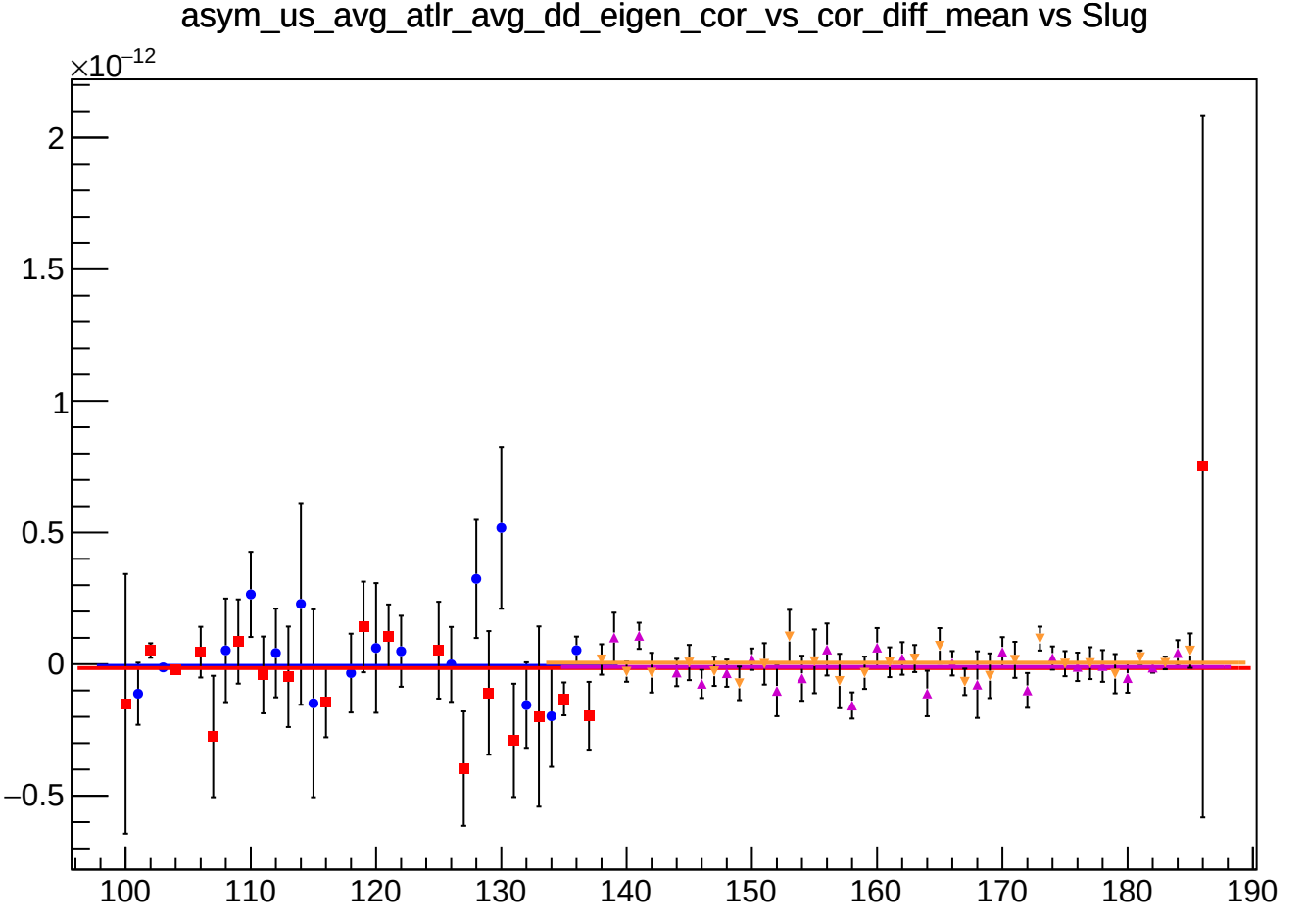
Right Out: 97.789+/-0.029 χ^2/NDF: 2740148.6/18

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 165.139+/-0.027 χ^2/NDF: 11693945.3/39

All: 152.983+/-0.018 χ^2/NDF: 26596110.2/81

- sign 143.086+/-0.024 χ^2/NDF: 14529145.5/41



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

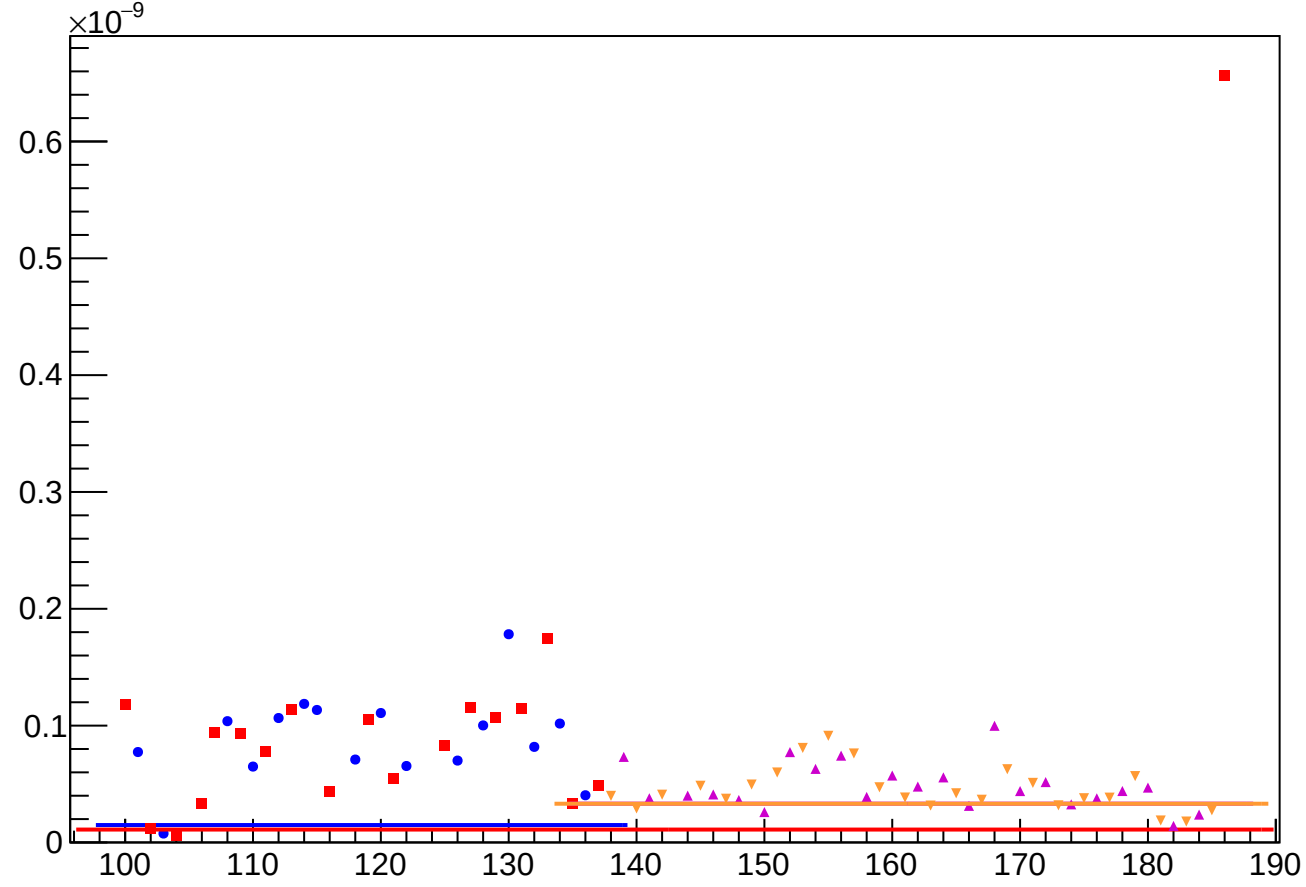
Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/18

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/39

All: -0.000+/-0.000 χ^2/NDF: 79.1/81

- sign -0.000+/-0.000 χ^2/NDF: 50.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6335864.1/18

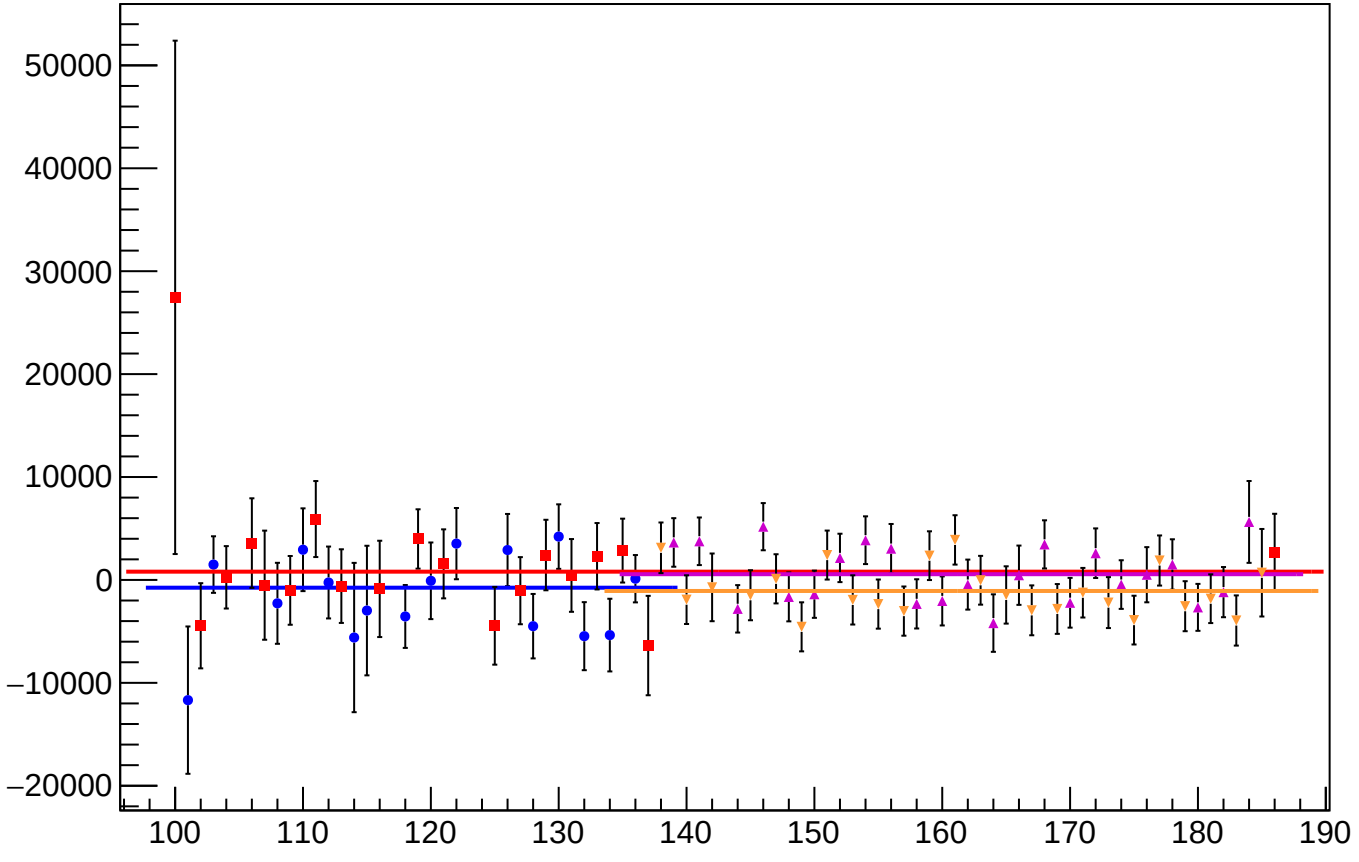
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12432444.6/39

All: 0.000+/-0.000 χ^2/NDF: 28828968.5/81

- sign 0.000+/-0.000 χ^2/NDF: 16102763.3/41

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 803.896+/-846.116 χ^2/NDF: 12.6/18

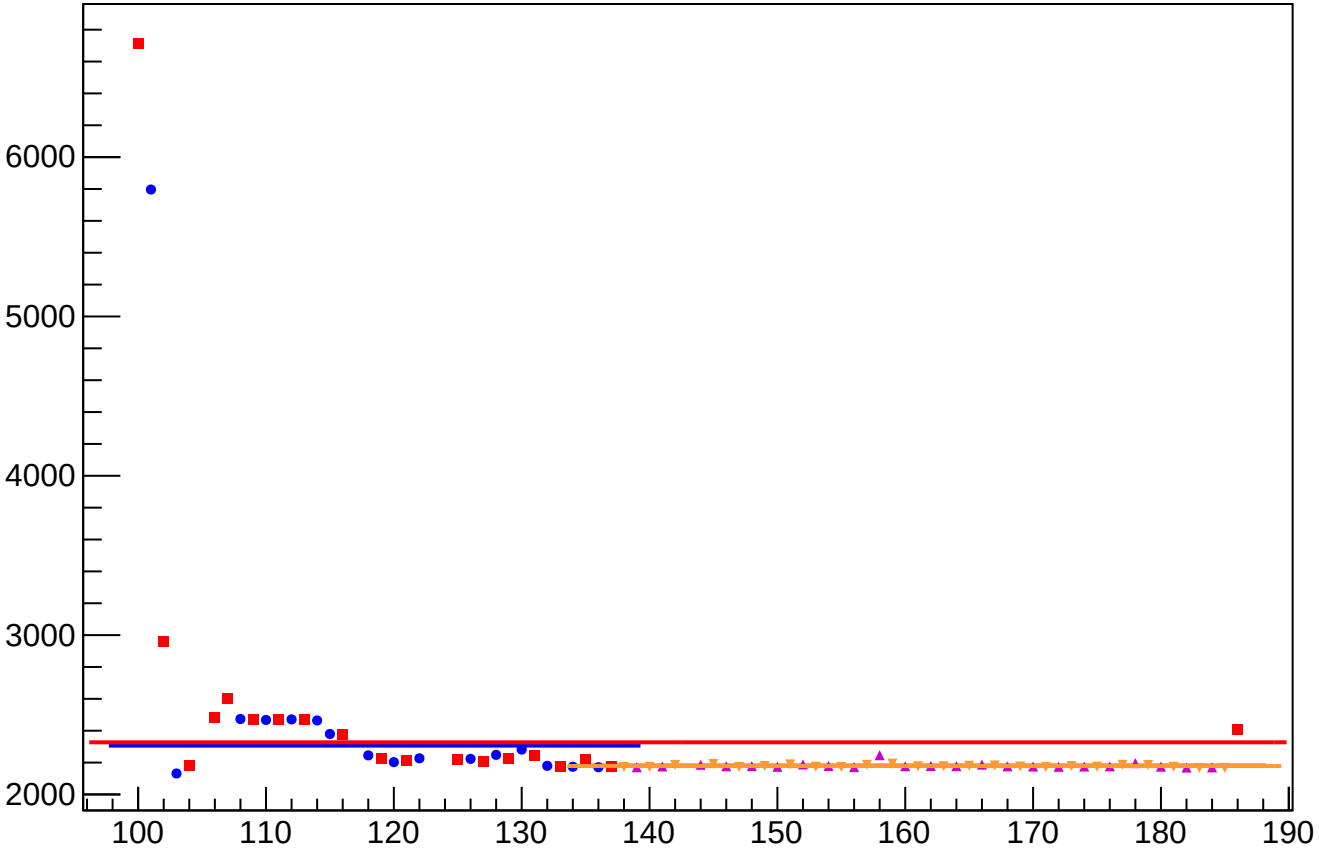
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -992.815+/-437.434 χ^2/NDF: 37.5/39

All: -182.953+/-308.908 χ^2/NDF: 85.8/81

- sign 622.685+/-436.292 χ^2/NDF: 41.4/41

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

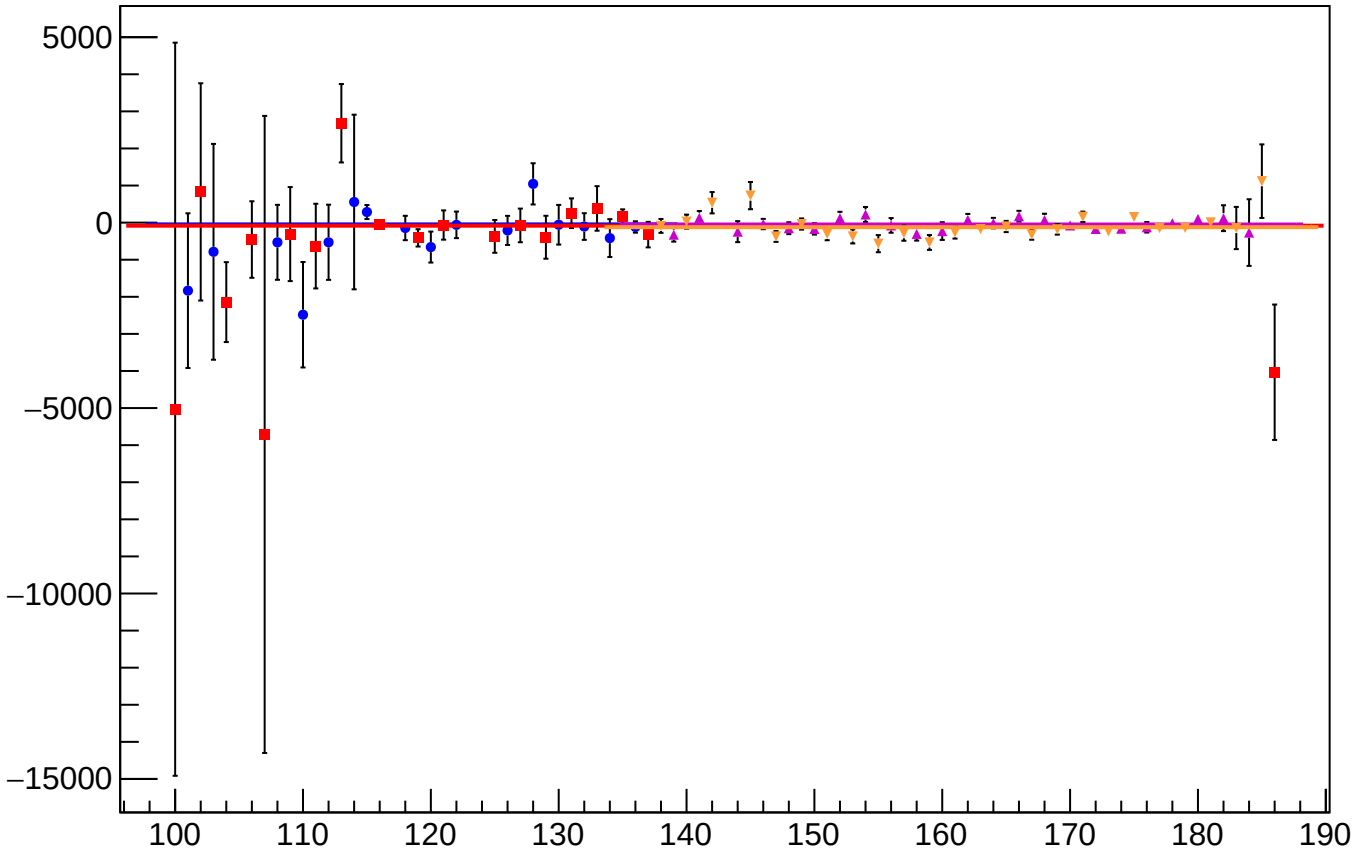
Right Out: 2327.229+/-0.598 χ^2/NDF: 152708.5/18

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2210.507+/-0.309 χ^2/NDF: 546958.1/39

All: 2215.176+/-0.218 χ^2/NDF: 745889.5/81

- sign 2219.821+/-0.309 χ^2/NDF: 198476.8/41



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: -82.250+/-82.300 χ^2/NDF: 22.3/18

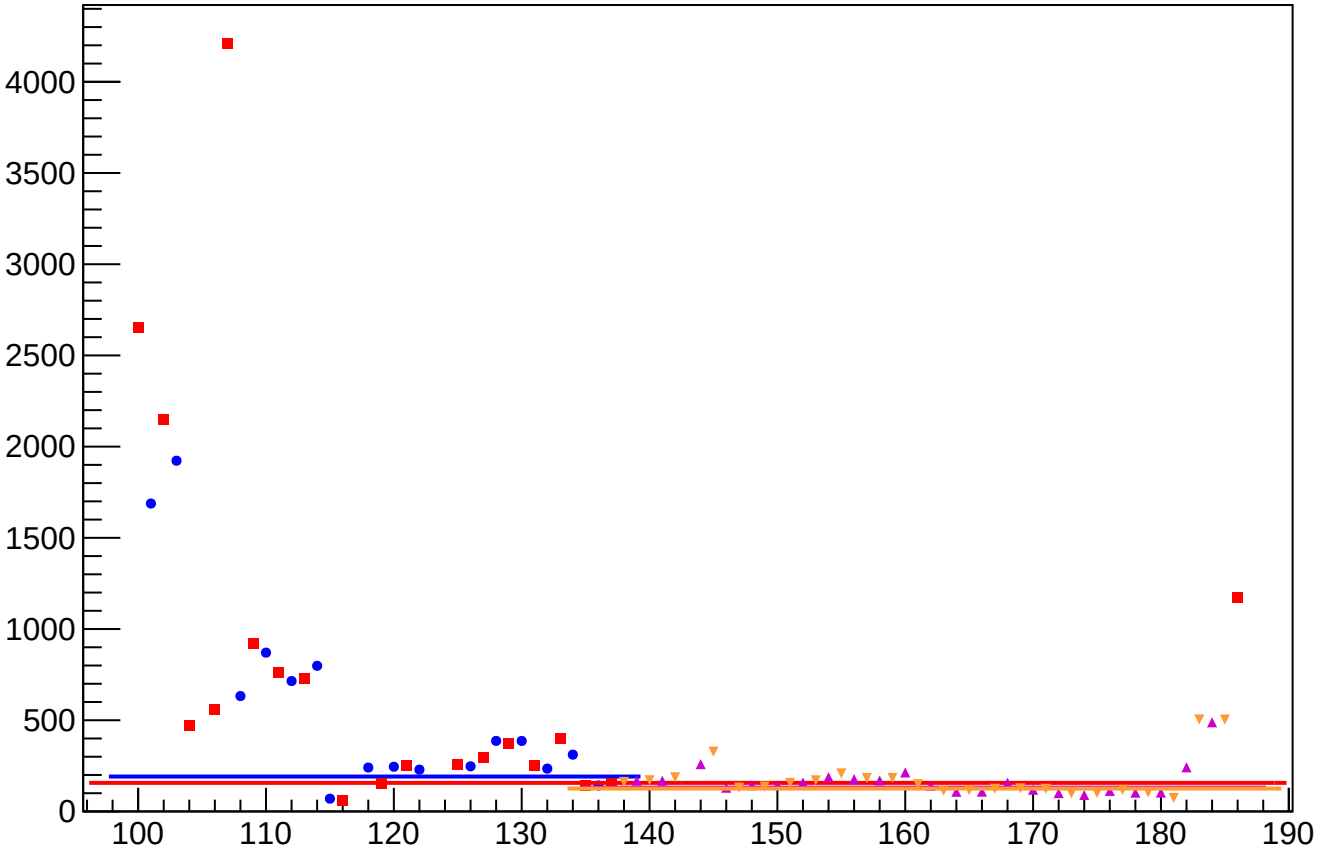
Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -115.002+/-29.686 χ^2/NDF: 58.8/39

All: -85.401+/-21.193 χ^2/NDF: 101.5/81

- sign -54.635+/-30.265 χ^2/NDF: 40.7/41

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 156.746+/-0.058 χ^2/NDF: 6775042.8/18

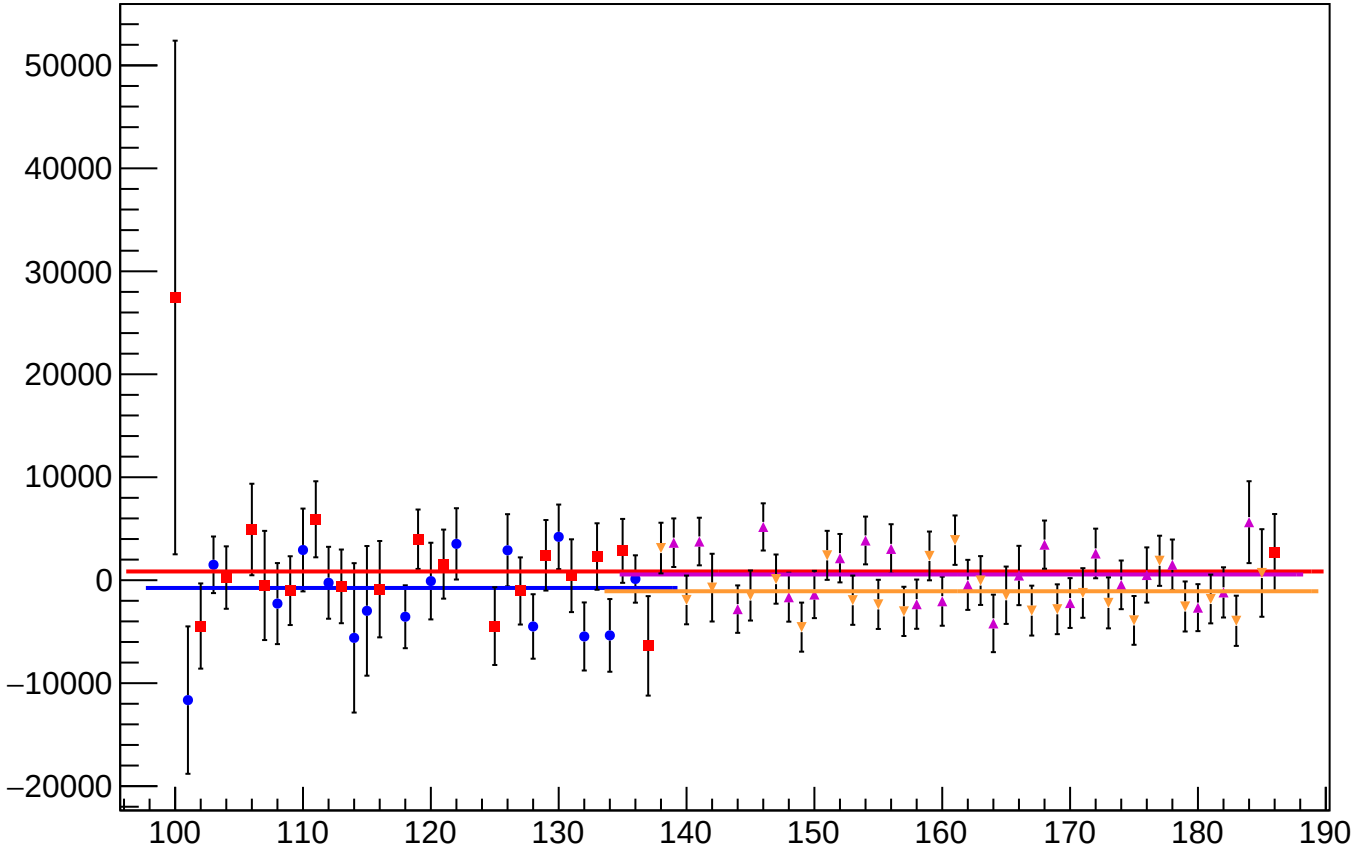
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 132.530+/-0.021 χ^2/NDF: 9945559.3/39

All: 133.248+/-0.015 χ^2/NDF: 19579434.9/81

- sign 133.994+/-0.021 χ^2/NDF: 9631490.3/41

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 848.766+/-846.781 χ^2/NDF: 13.1/18

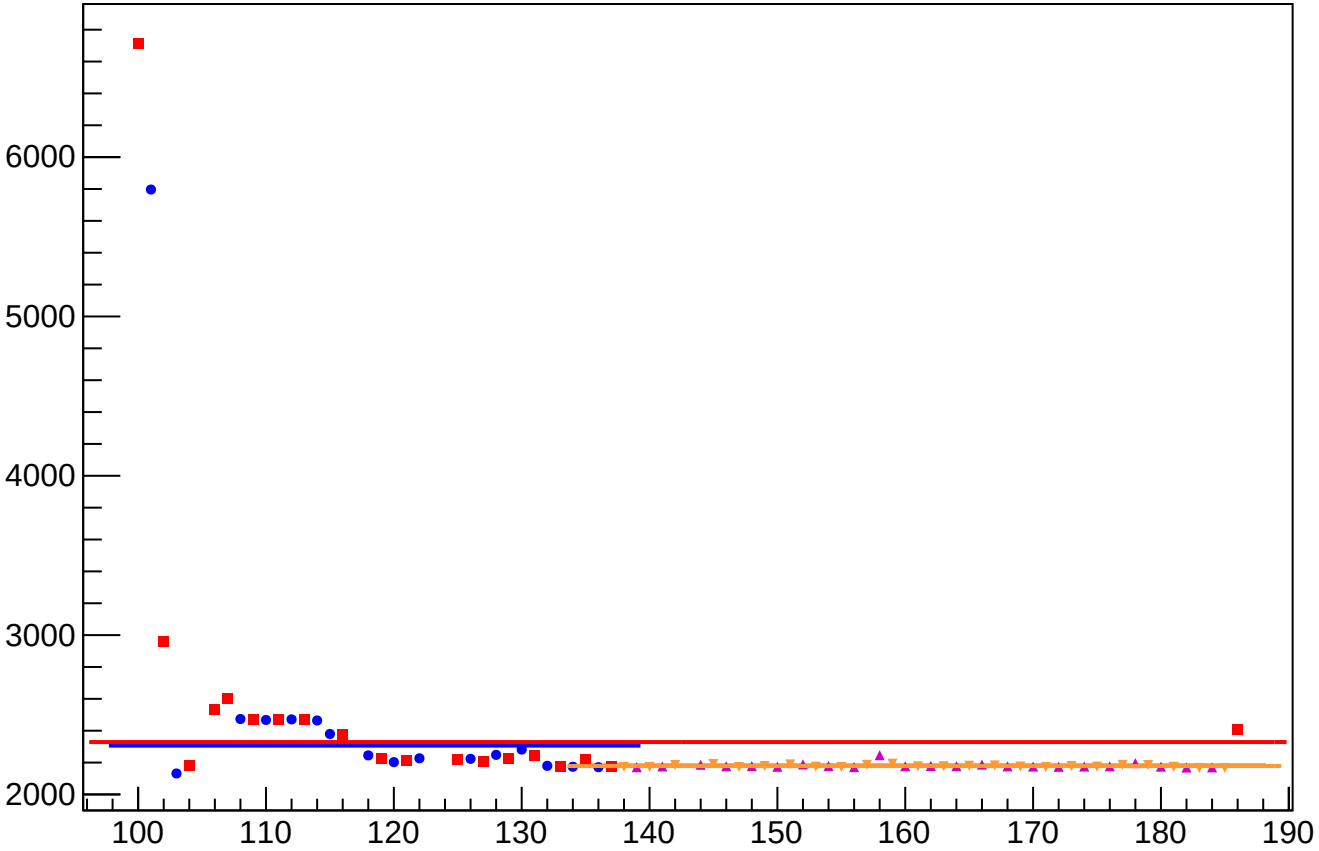
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -992.520+/-437.434 χ^2/NDF: 37.5/39

All: -177.030+/-308.940 χ^2/NDF: 86.3/81

- sign 634.545+/-436.383 χ^2/NDF: 41.9/41

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

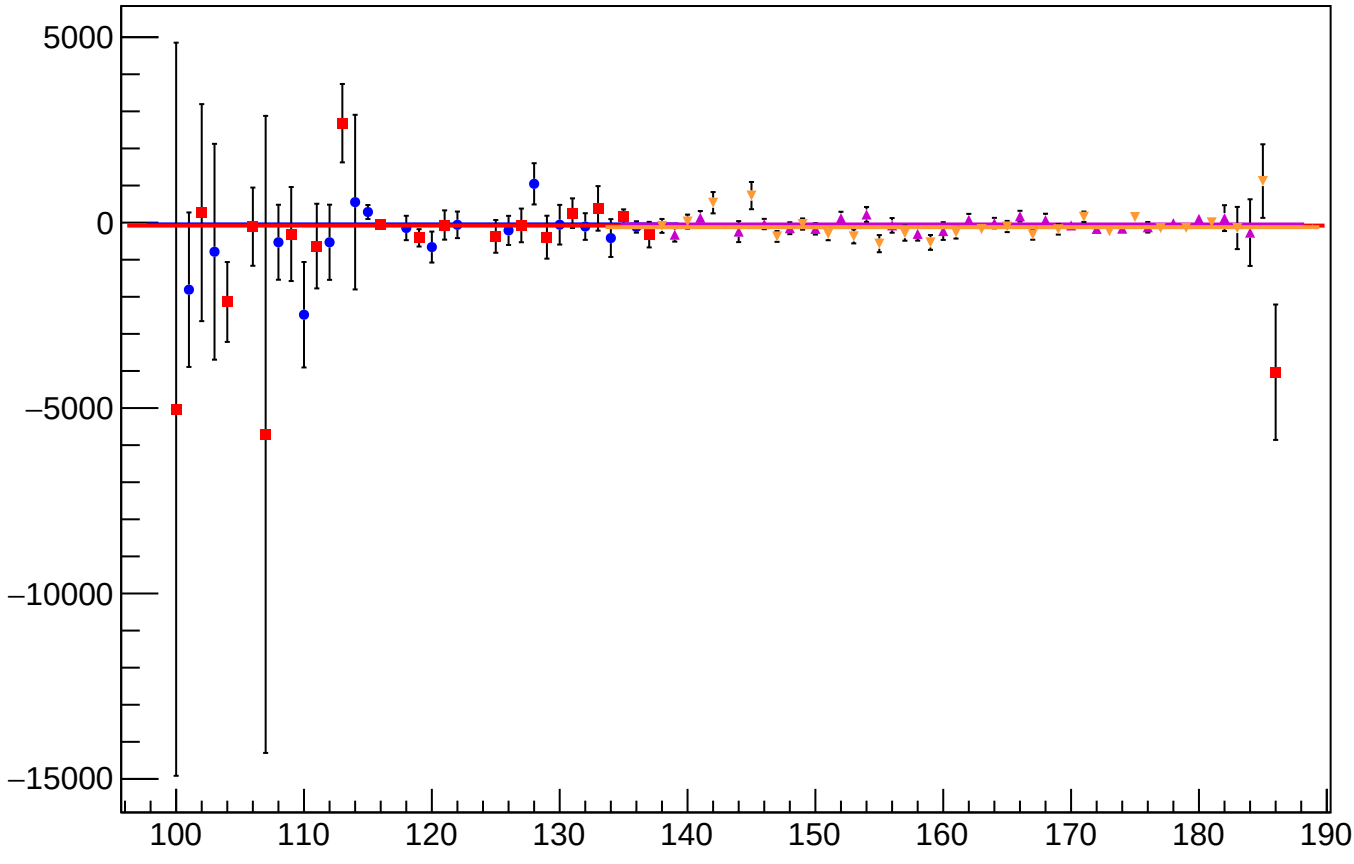
Right Out: 2328.824+/-0.599 χ^2/NDF: 154462.7/18

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2210.507+/-0.309 χ^2/NDF: 546958.4/39

All: 2215.365+/-0.218 χ^2/NDF: 748592.4/81

- sign 2220.200+/-0.309 χ^2/NDF: 201141.9/41



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

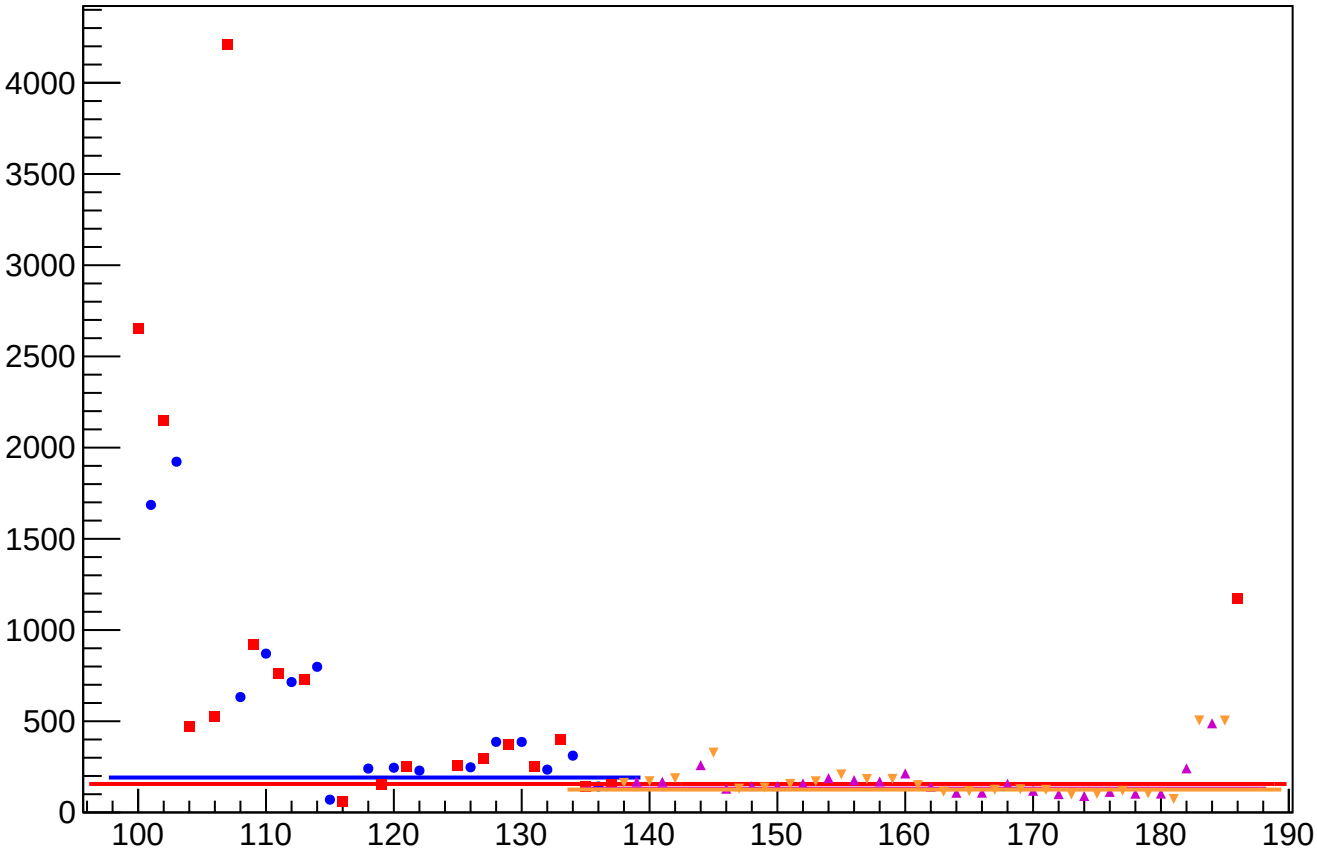
Right Out: -80.239+/-82.238 χ^2/NDF: 22.1/18

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -114.936+/-29.687 χ^2/NDF: 58.8/39

All: -85.190+/-21.193 χ^2/NDF: 101.3/81

- sign -54.276+/-30.264 χ^2/NDF: 40.5/41



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

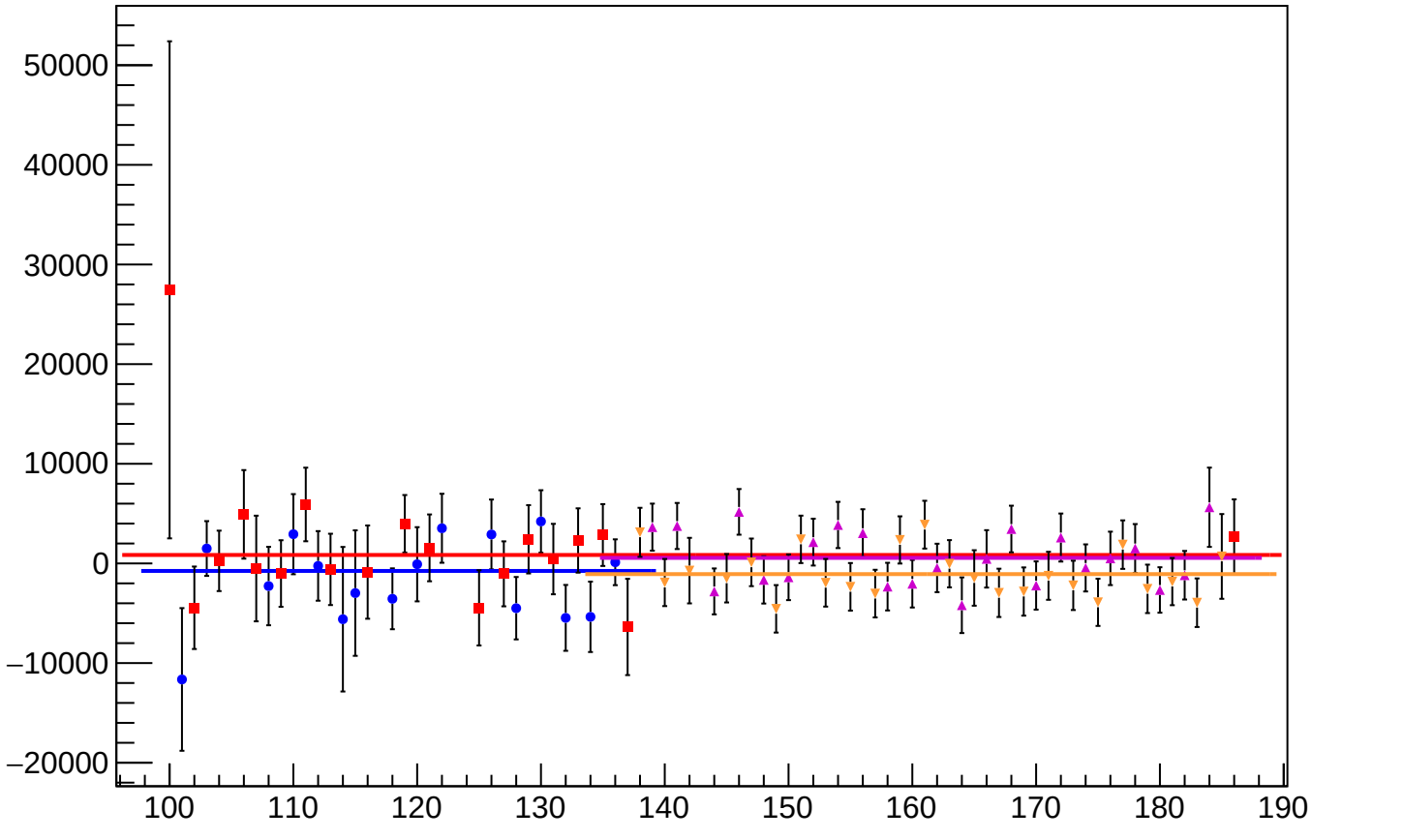
Right Out: 156.189+/-0.058 χ^2/NDF: 6730098.4/18

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 132.528+/-0.021 χ^2/NDF: 9945938.2/39

All: 133.219+/-0.015 χ^2/NDF: 19526973.2/81

- sign 133.936+/-0.021 χ^2/NDF: 9578828.6/41



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 848.766+/-846.781 χ^2/NDF: 13.1/18

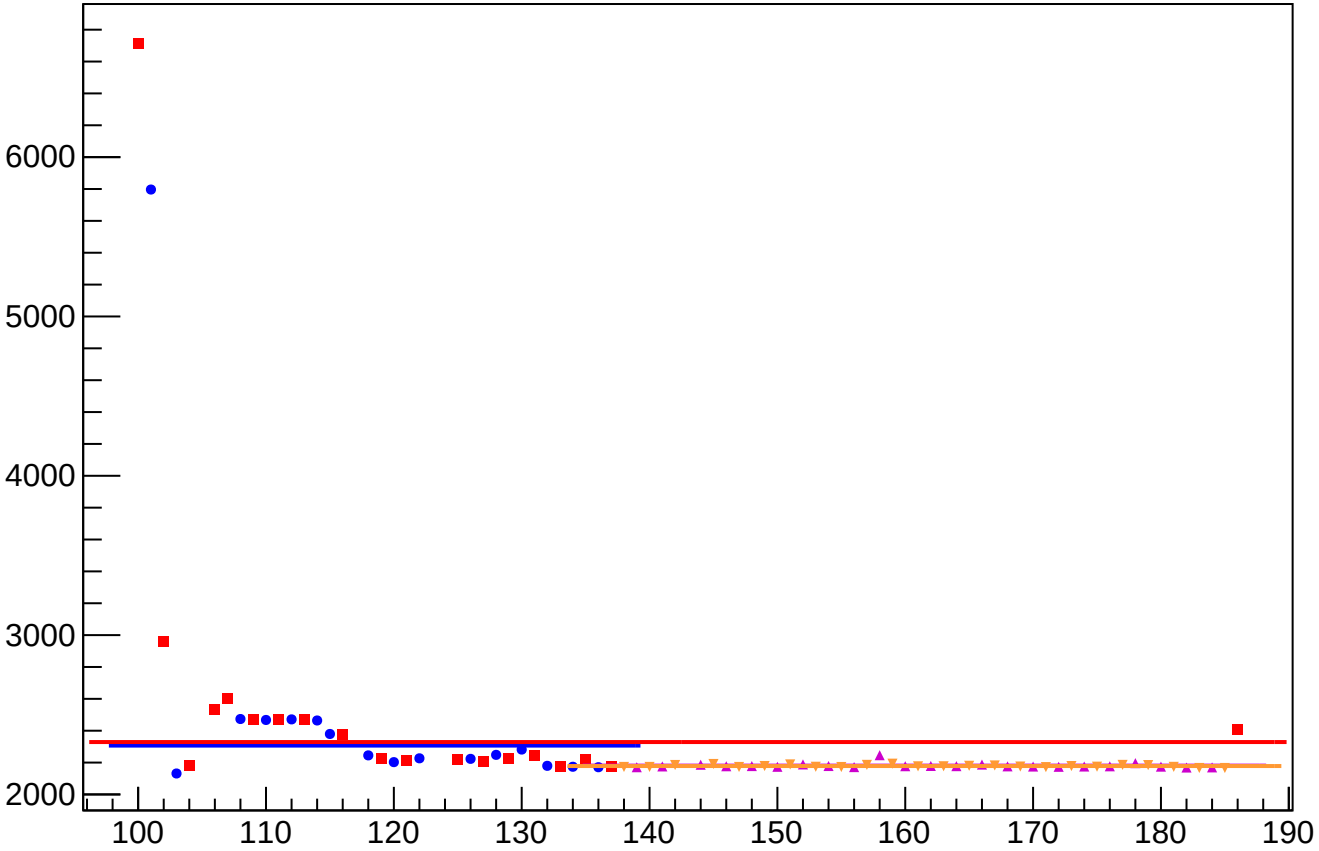
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -992.520+/-437.434 χ^2/NDF: 37.5/39

All: -177.030+/-308.940 χ^2/NDF: 86.3/81

- sign 634.545+/-436.383 χ^2/NDF: 41.9/41

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

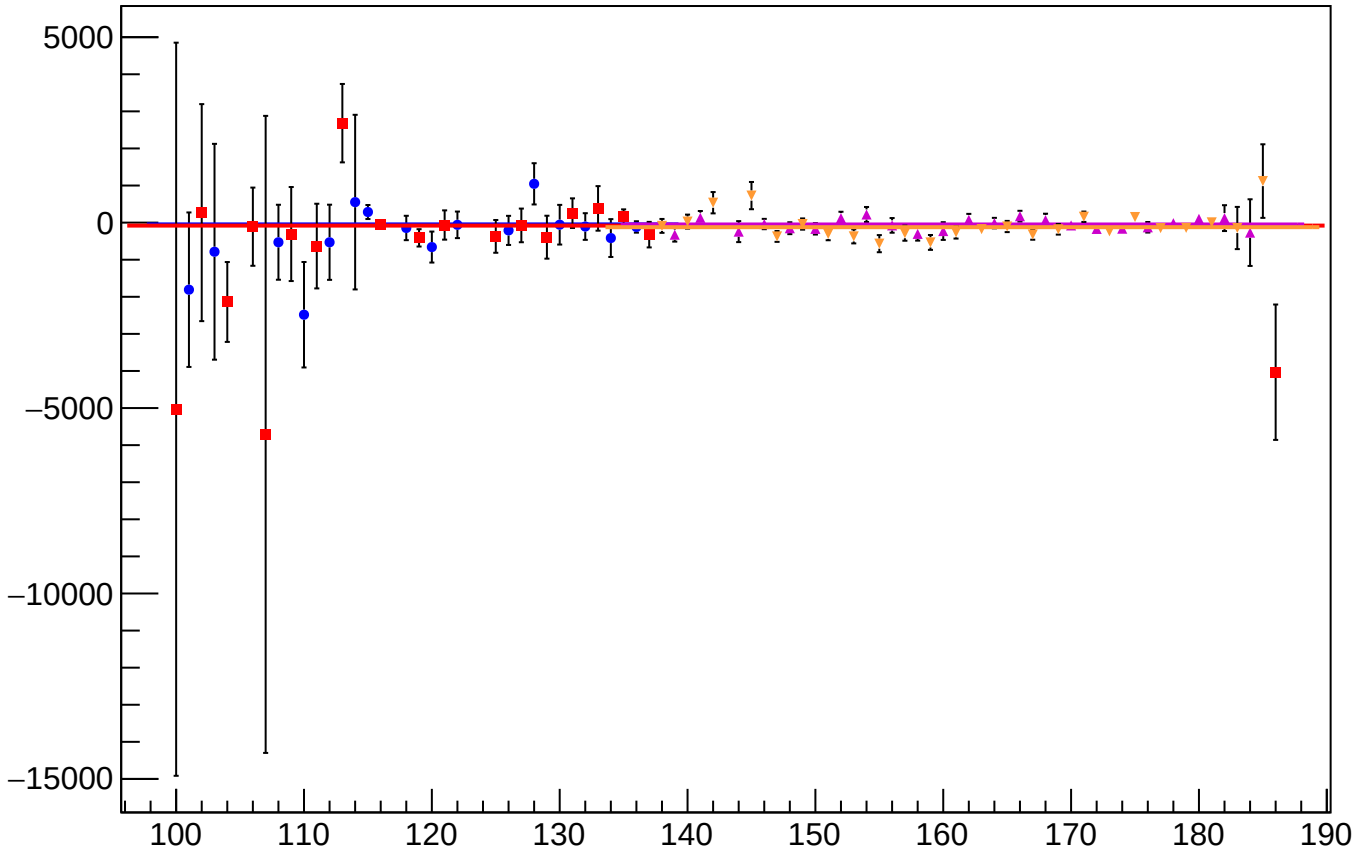
Right Out: 2328.824+/-0.599 χ^2/NDF: 154462.7/18

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

\+ sign 2210.507+/-0.309 χ^2/NDF: 546958.4/39

All: 2215.365+/-0.218 χ^2/NDF: 748592.4/81

\- sign 2220.200+/-0.309 χ^2/NDF: 201141.9/41



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

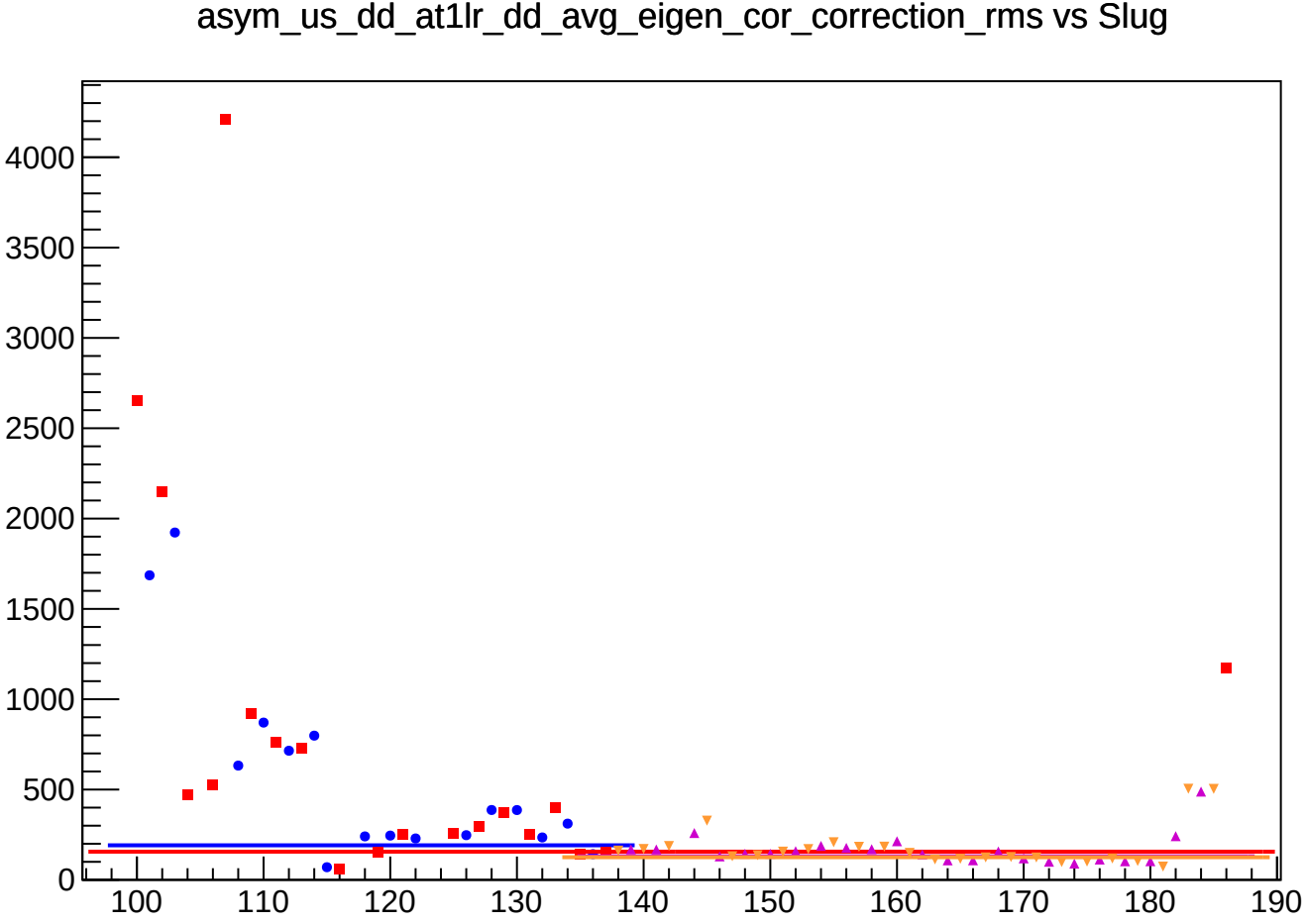
Right Out: -80.239+/-82.238 χ^2/NDF: 22.1/18

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -114.936+/-29.687 χ^2/NDF: 58.8/39

All: -85.190+/-21.193 χ^2/NDF: 101.3/81

- sign -54.276+/-30.264 χ^2/NDF: 40.5/41



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 156.189+/-0.058 χ^2/NDF: 6730098.4/18

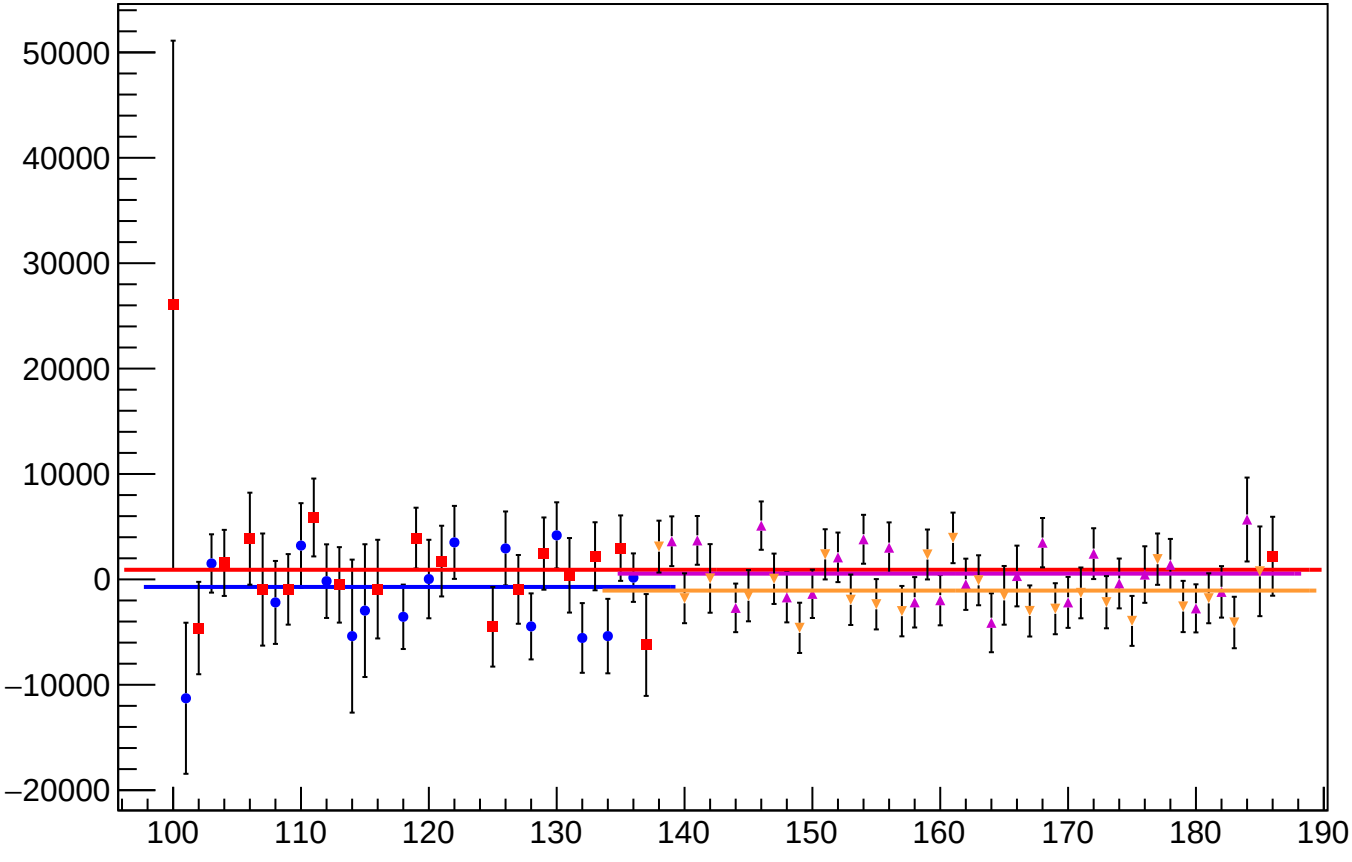
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 132.528+/-0.021 χ^2/NDF: 9945938.2/39

All: 133.219+/-0.015 χ^2/NDF: 19526973.2/81

- sign 133.936+/-0.021 χ^2/NDF: 9578828.6/41

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 912.015+/-850.746 χ^2/NDF: 12.3/18

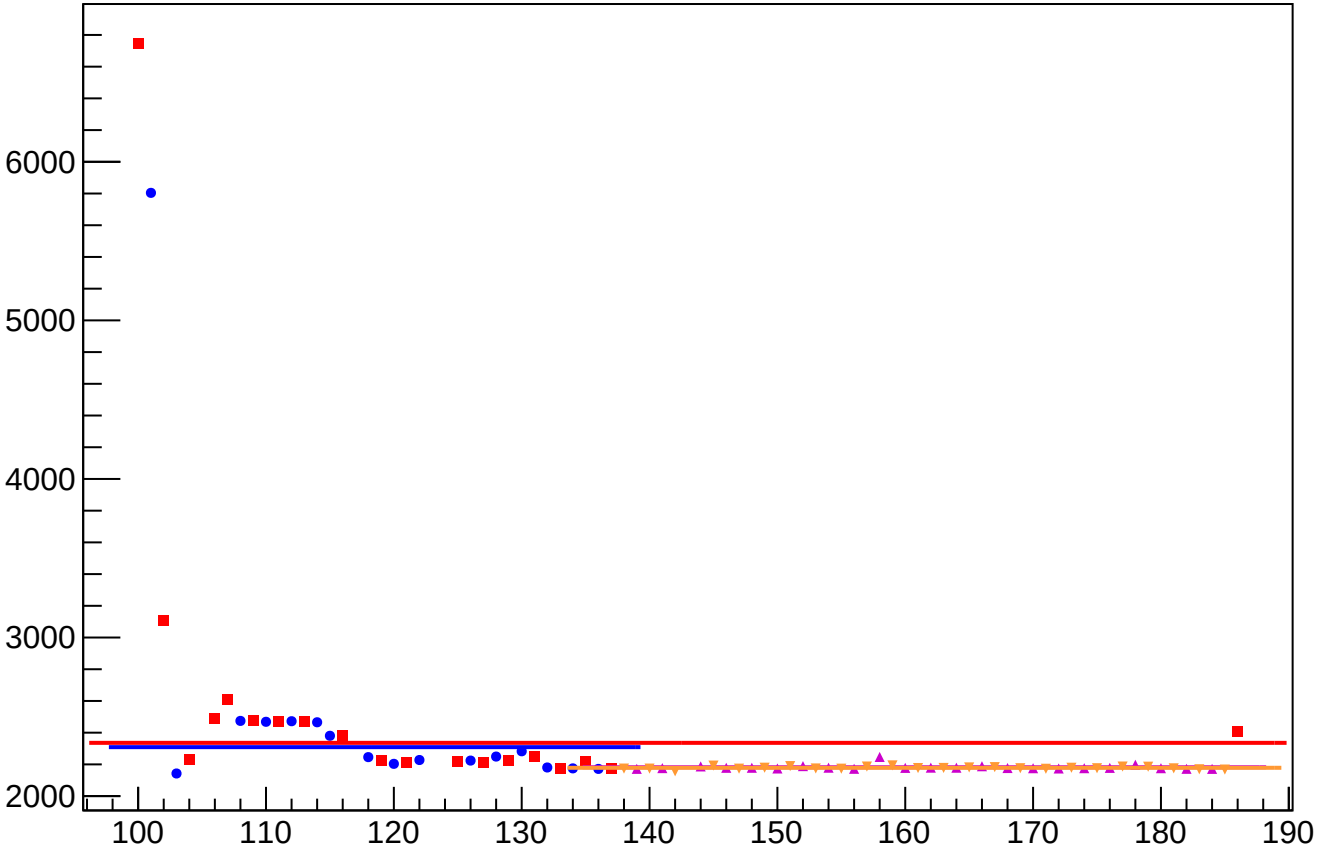
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -975.732+/-437.606 χ^2/NDF: 37.9/39

All: -166.205+/-309.243 χ^2/NDF: 85.0/81

- sign 641.323+/-437.065 χ^2/NDF: 40.3/41

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

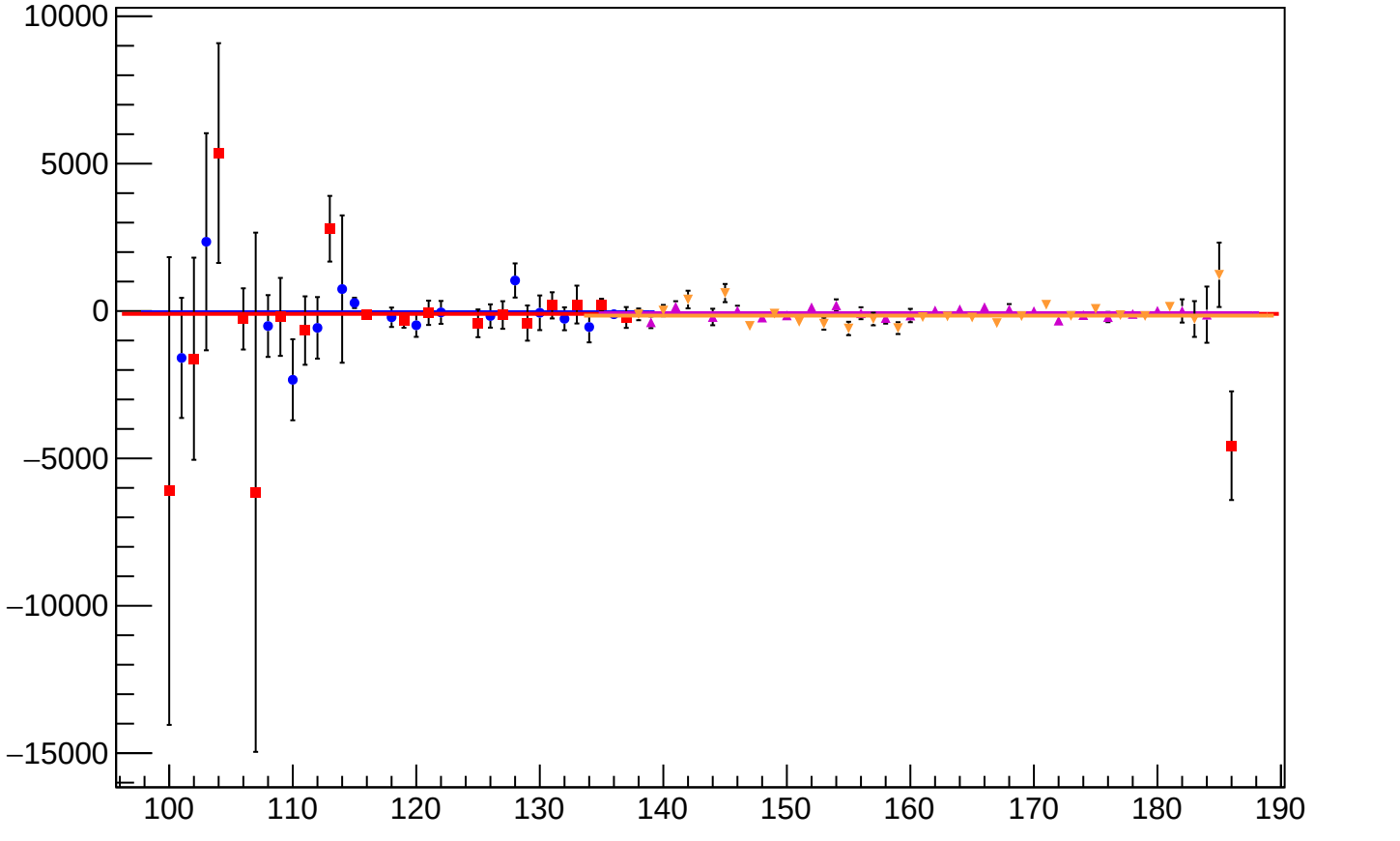
Right Out: 2335.835+/-0.602 χ^2/NDF: 168128.4/18

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

\+ sign 2211.187+/-0.309 χ^2/NDF: 547497.5/39

All: 2216.858+/-0.219 χ^2/NDF: 766343.7/81

\- sign 2222.516+/-0.309 χ^2/NDF: 218175.2/41



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: -96.132+/-85.994 χ^2/NDF: 20.9/18

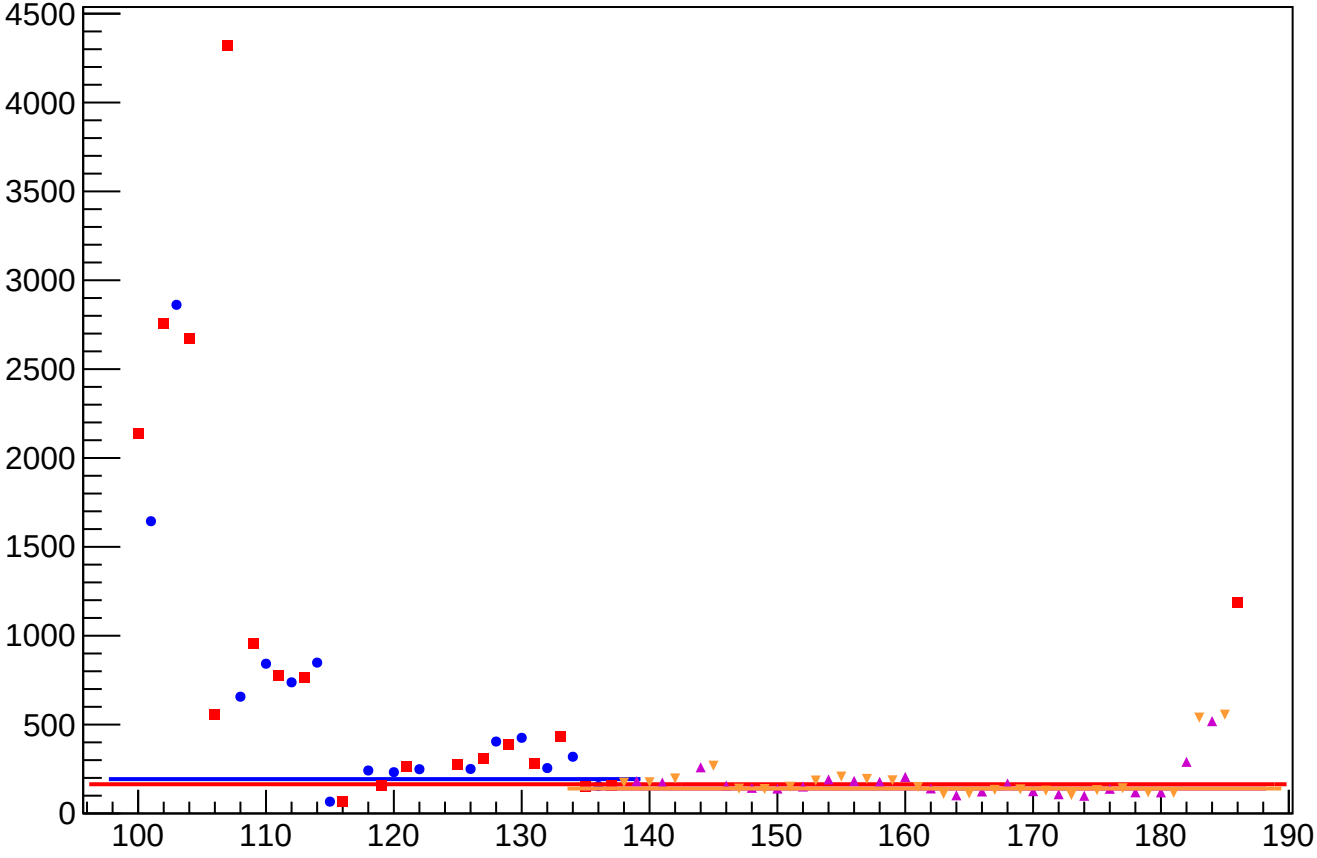
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -141.017+/-31.959 χ^2/NDF: 62.7/39

All: -107.168+/-22.536 χ^2/NDF: 104.8/81

- sign -73.692+/-31.783 χ^2/NDF: 39.9/41

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

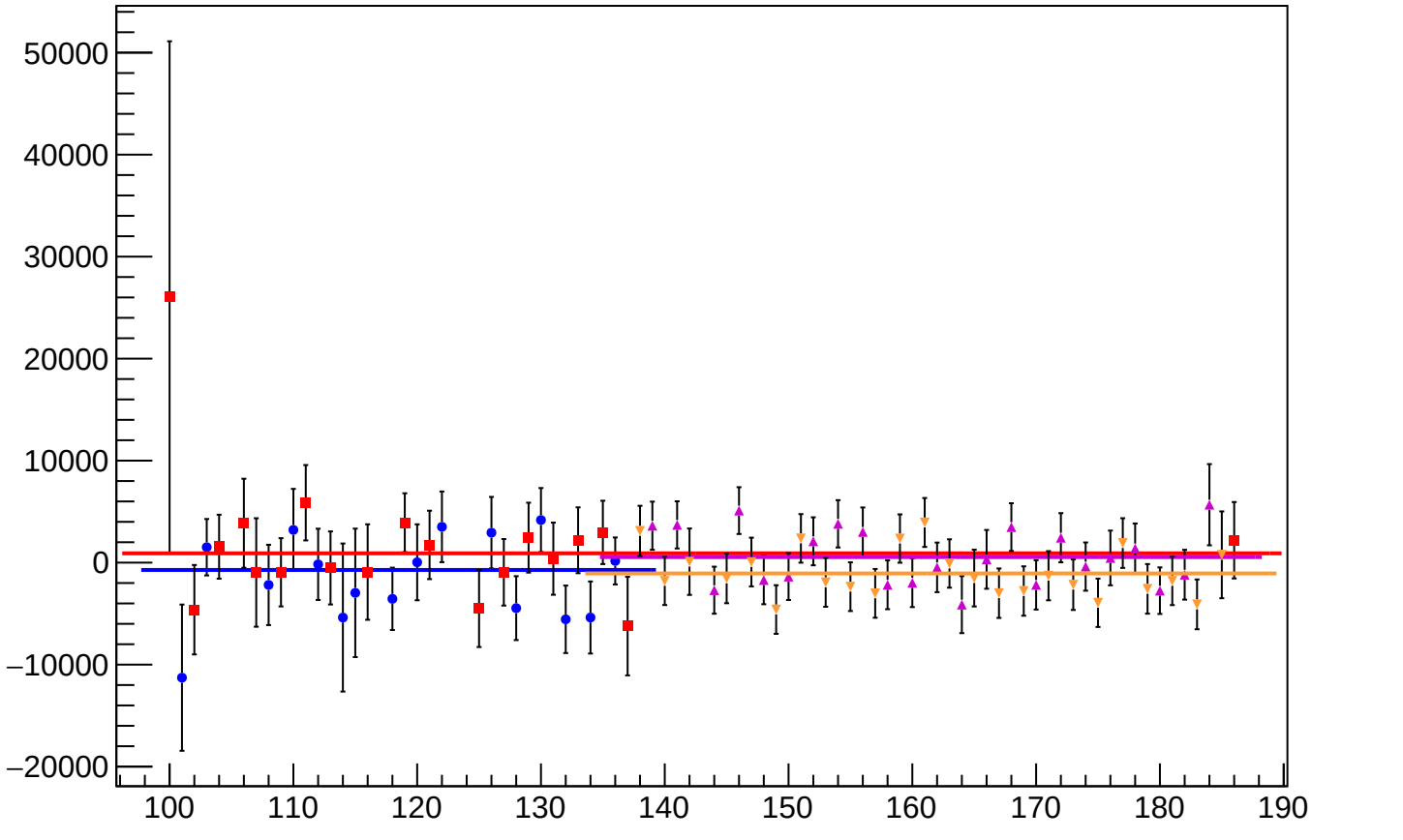
Right Out: 164.340+/-0.061 χ^2/NDF: 7684773.0/18

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 146.650+/-0.023 χ^2/NDF: 8955947.6/39

All: 144.969+/-0.016 χ^2/NDF: 19202765.0/81

- sign 143.306+/-0.022 χ^2/NDF: 10235808.4/41



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 912.016+/-850.746 χ^2/NDF: 12.3/18

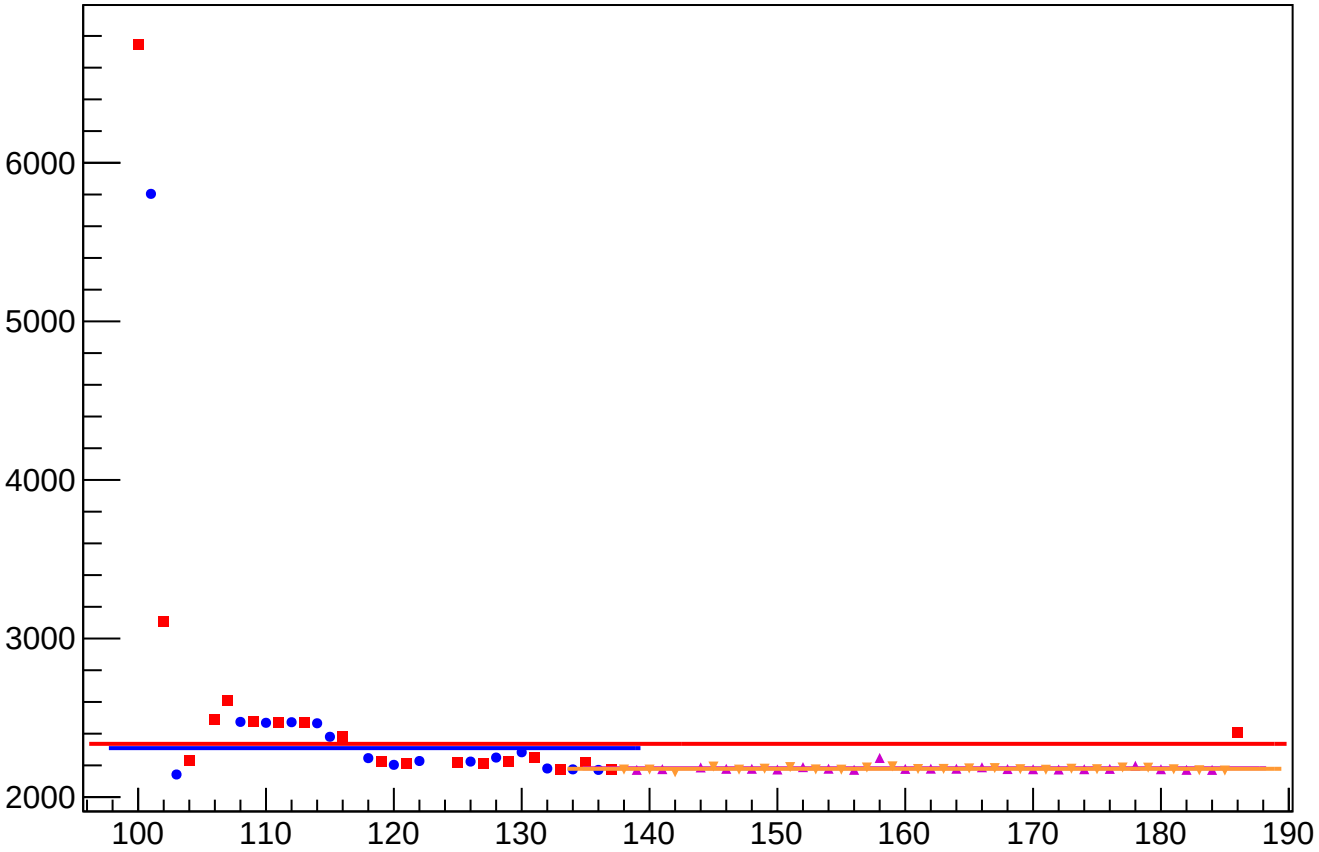
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -975.733+/-437.606 χ^2/NDF: 37.9/39

All: -166.206+/-309.243 χ^2/NDF: 85.0/81

- sign 641.322+/-437.065 χ^2/NDF: 40.3/41

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

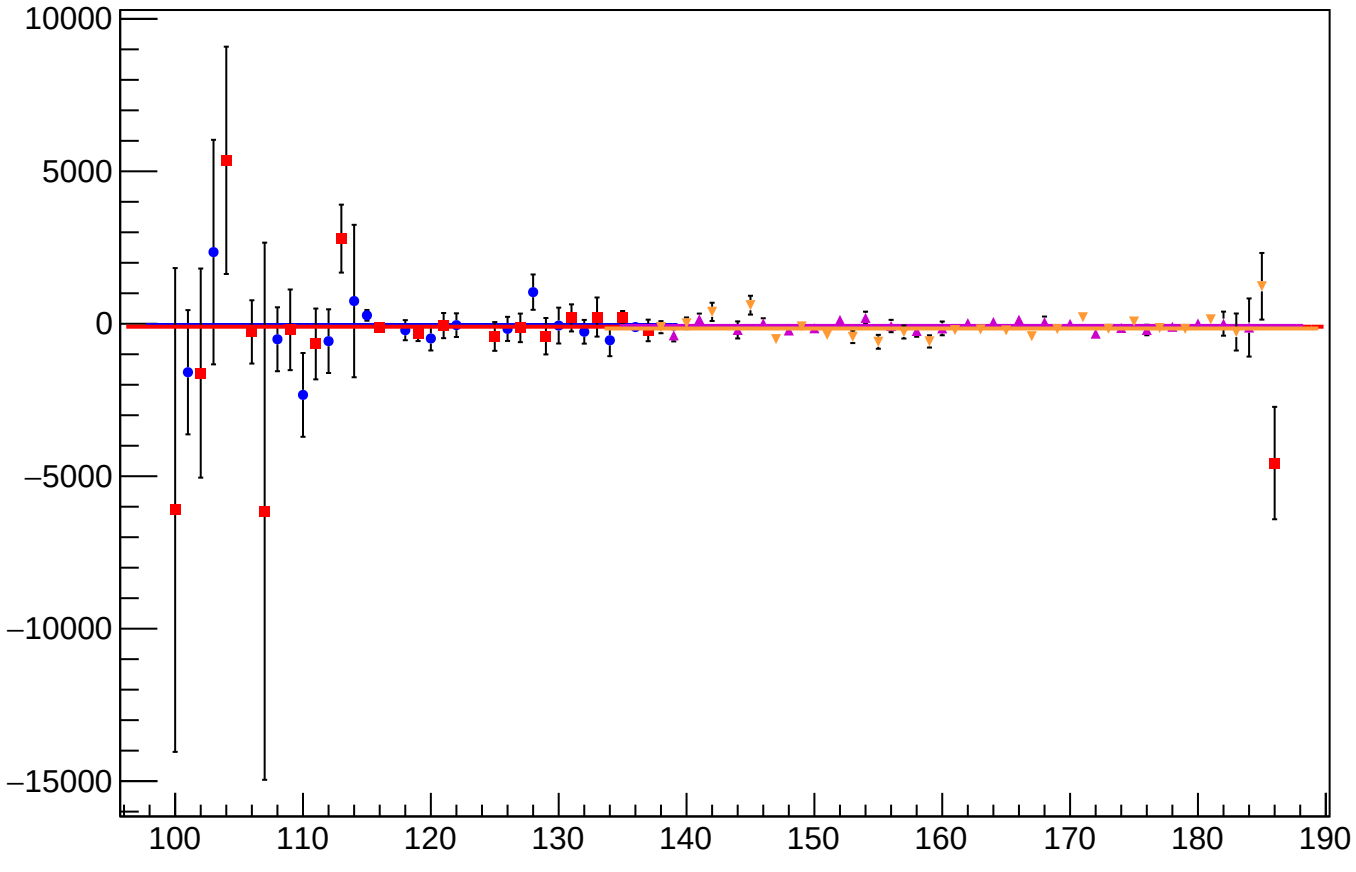
Right Out: 2335.835+/-0.602 χ^2/NDF: 168128.3/18

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2211.187+/-0.309 χ^2/NDF: 547497.5/39

All: 2216.858+/-0.219 χ^2/NDF: 766343.6/81

- sign 2222.516+/-0.309 χ^2/NDF: 218175.0/41



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

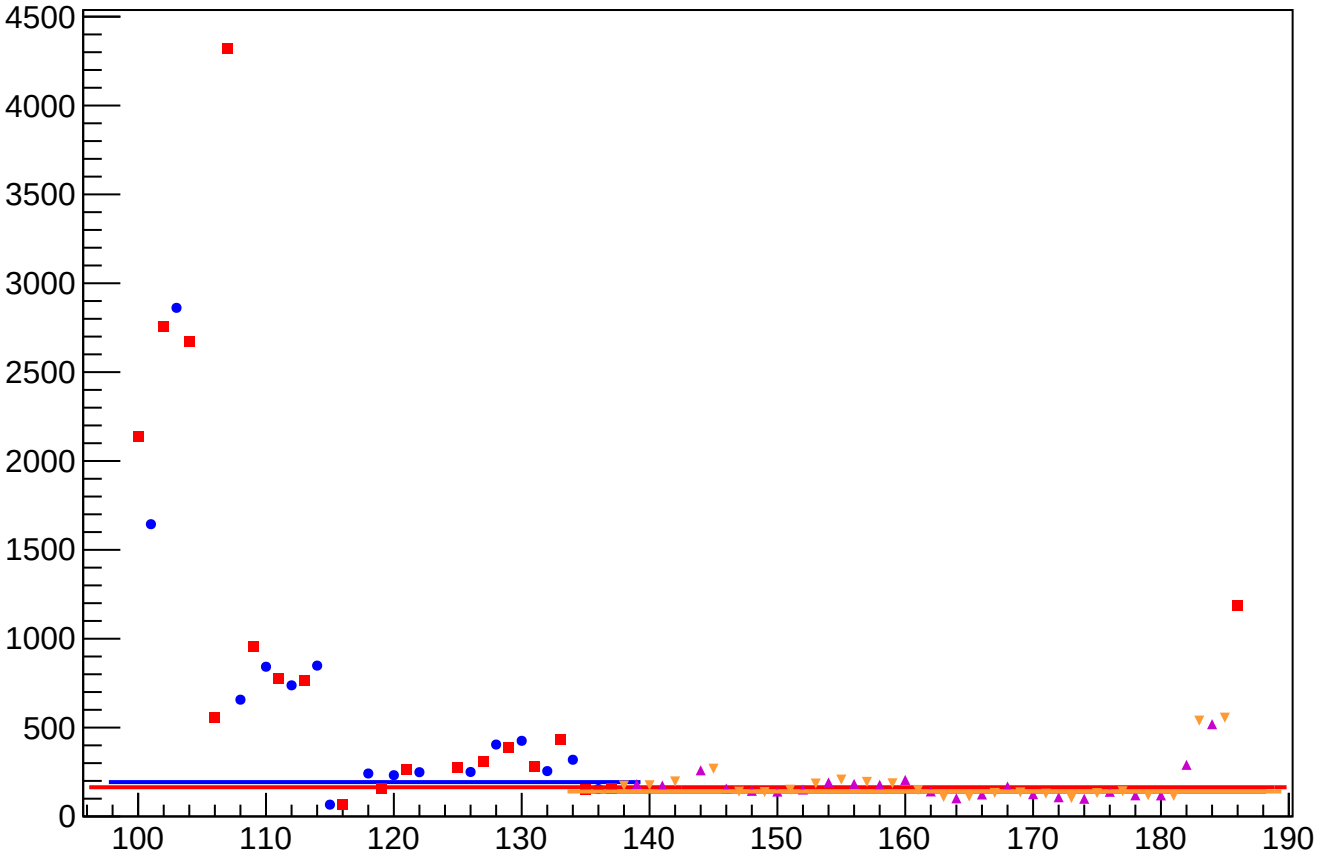
Right Out: -96.133+/-85.993 χ^2/NDF: 20.9/18

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -141.018+/-31.959 χ^2/NDF: 62.7/39

All: -107.168+/-22.536 χ^2/NDF: 104.8/81

- sign -73.691+/-31.783 χ^2/NDF: 39.9/41



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 164.337+/-0.061 χ^2/NDF: 7684834.7/18

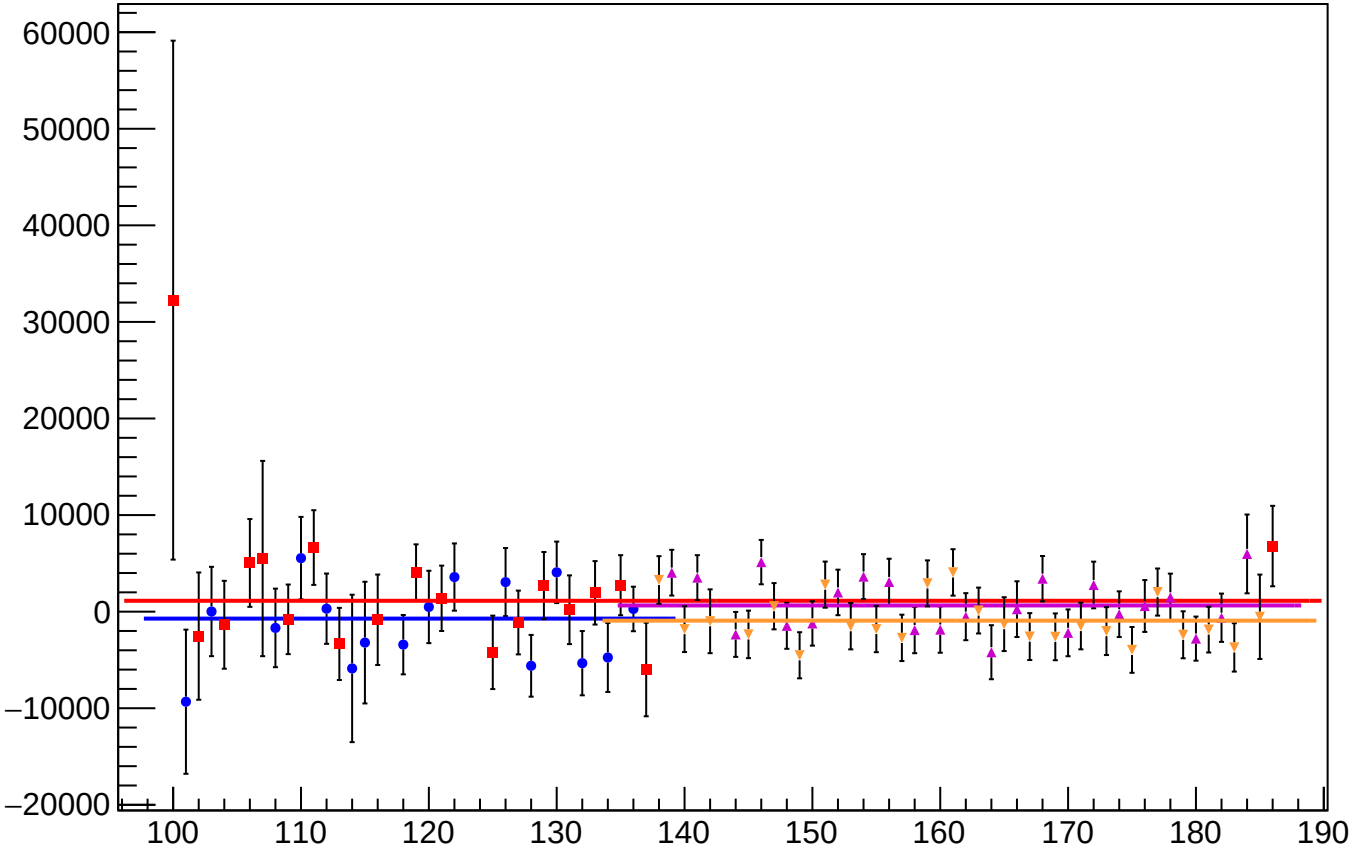
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 146.650+/-0.023 χ^2/NDF: 8955932.4/39

All: 144.969+/-0.016 χ^2/NDF: 19202841.7/81

- sign 143.306+/-0.022 χ^2/NDF: 10235898.5/41

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 1126.432+/-906.446 χ^2/NDF: 14.9/18

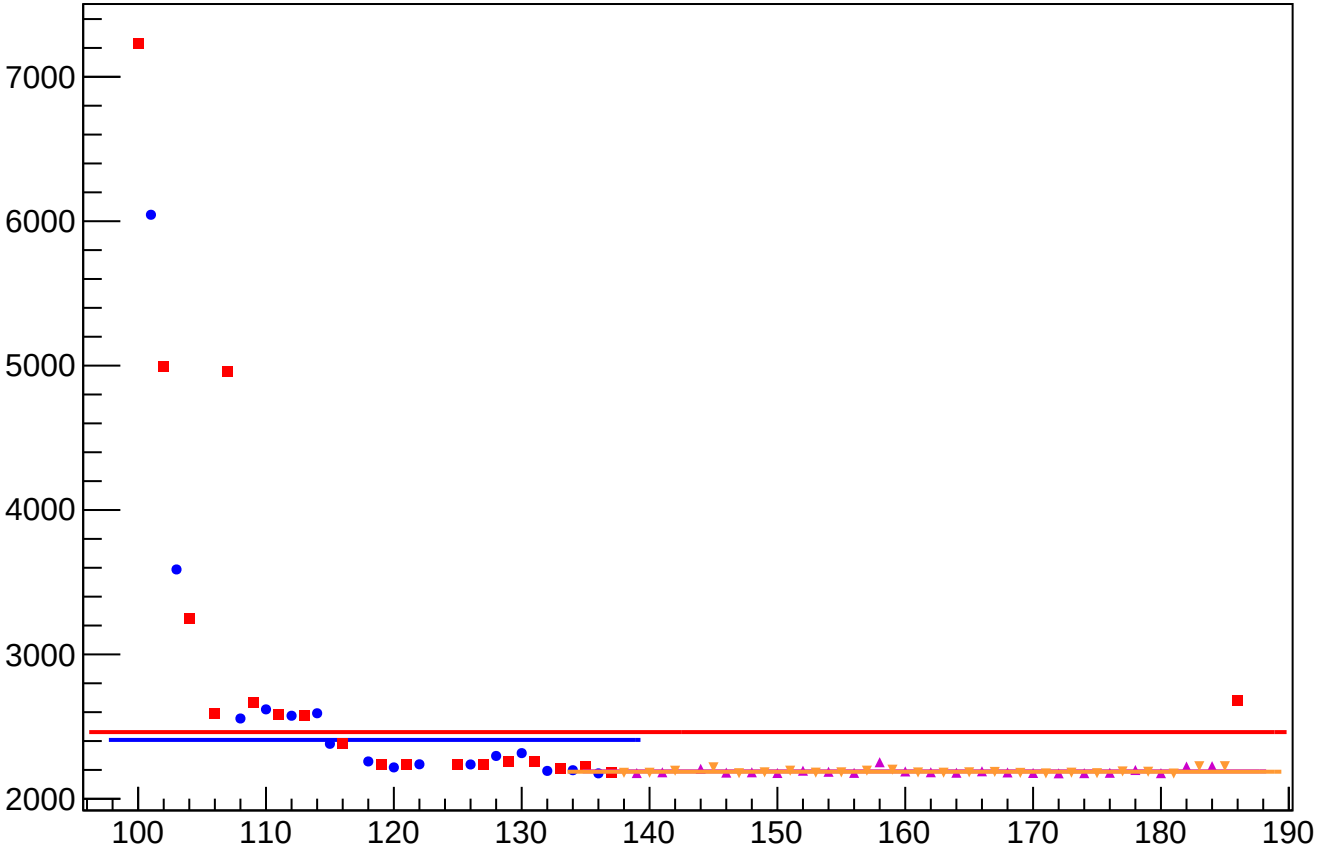
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -882.094+/-444.091 χ^2/NDF: 38.2/39

All: -63.664+/-314.476 χ^2/NDF: 87.1/81

- sign 759.541+/-445.385 χ^2/NDF: 42.1/41

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

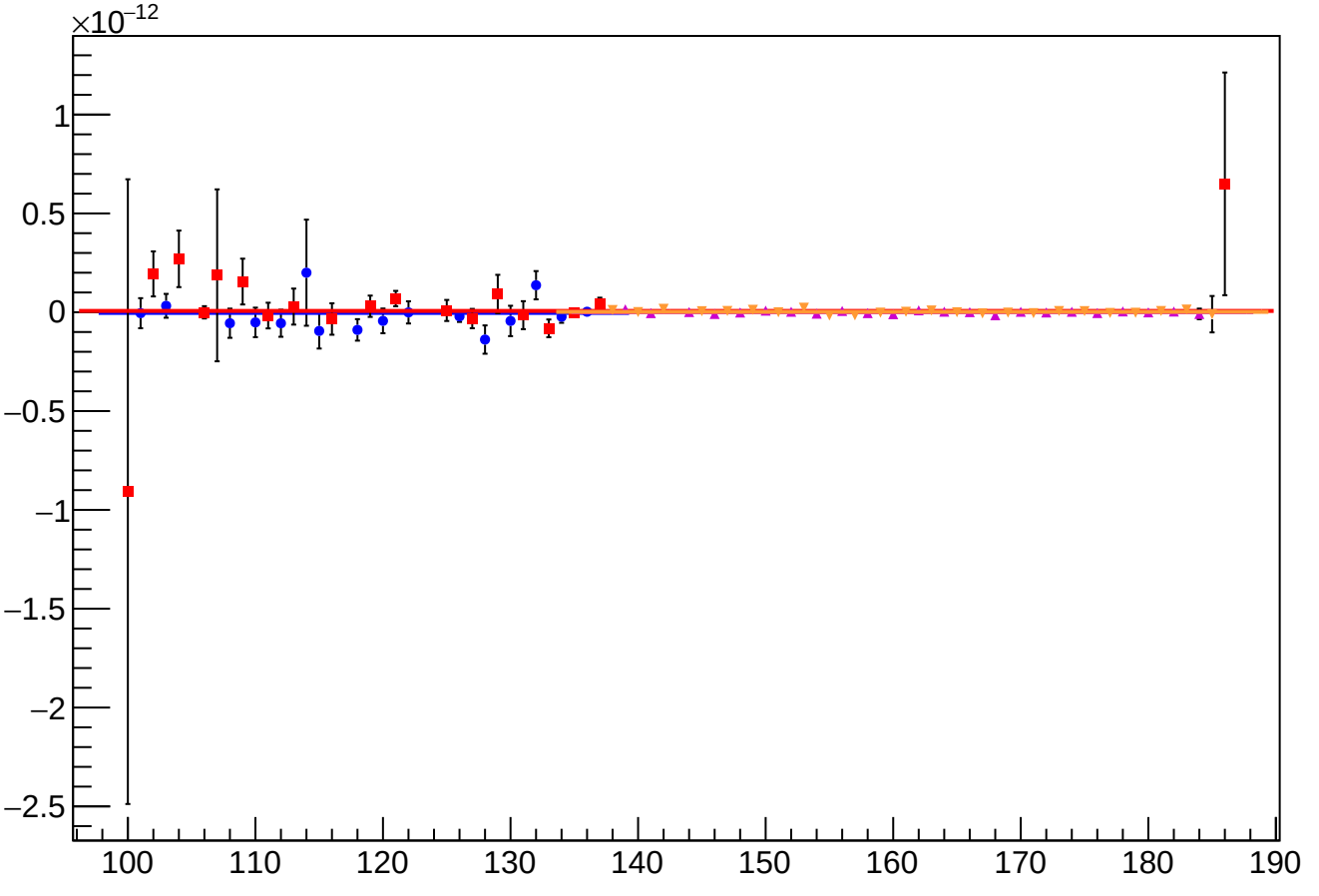
Right Out: 2462.004+/-0.641 χ^2/NDF: 639327.5/18

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

\+ sign 2239.345+/-0.314 χ^2/NDF: 766594.2/39

All: 2247.545+/-0.222 χ^2/NDF: 1546282.2/81

\- sign 2255.793+/-0.315 χ^2/NDF: 778320.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

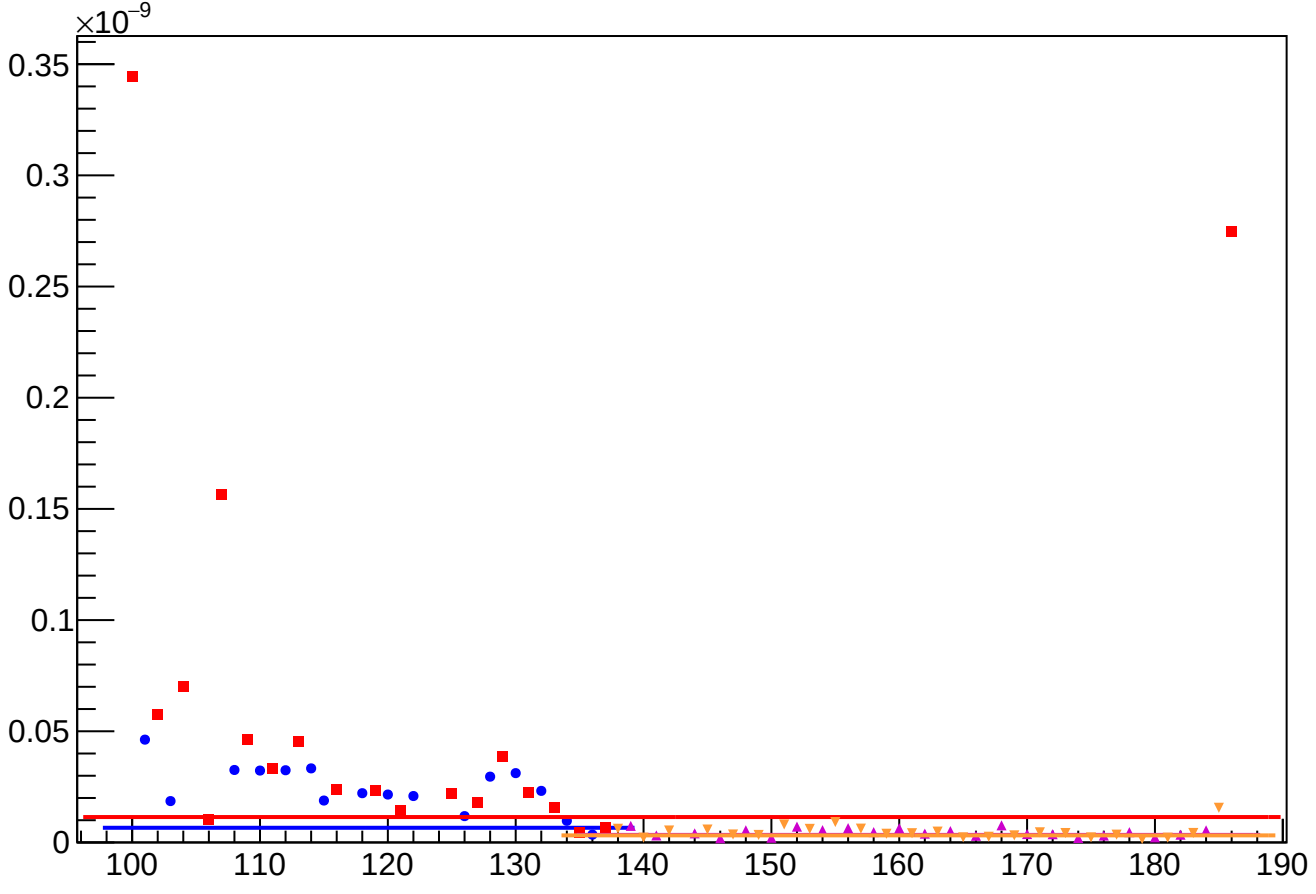
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/39

All: 0.000+/-0.000 χ^2/NDF: 69.9/81

- sign 0.000+/-0.000 χ^2/NDF: 33.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

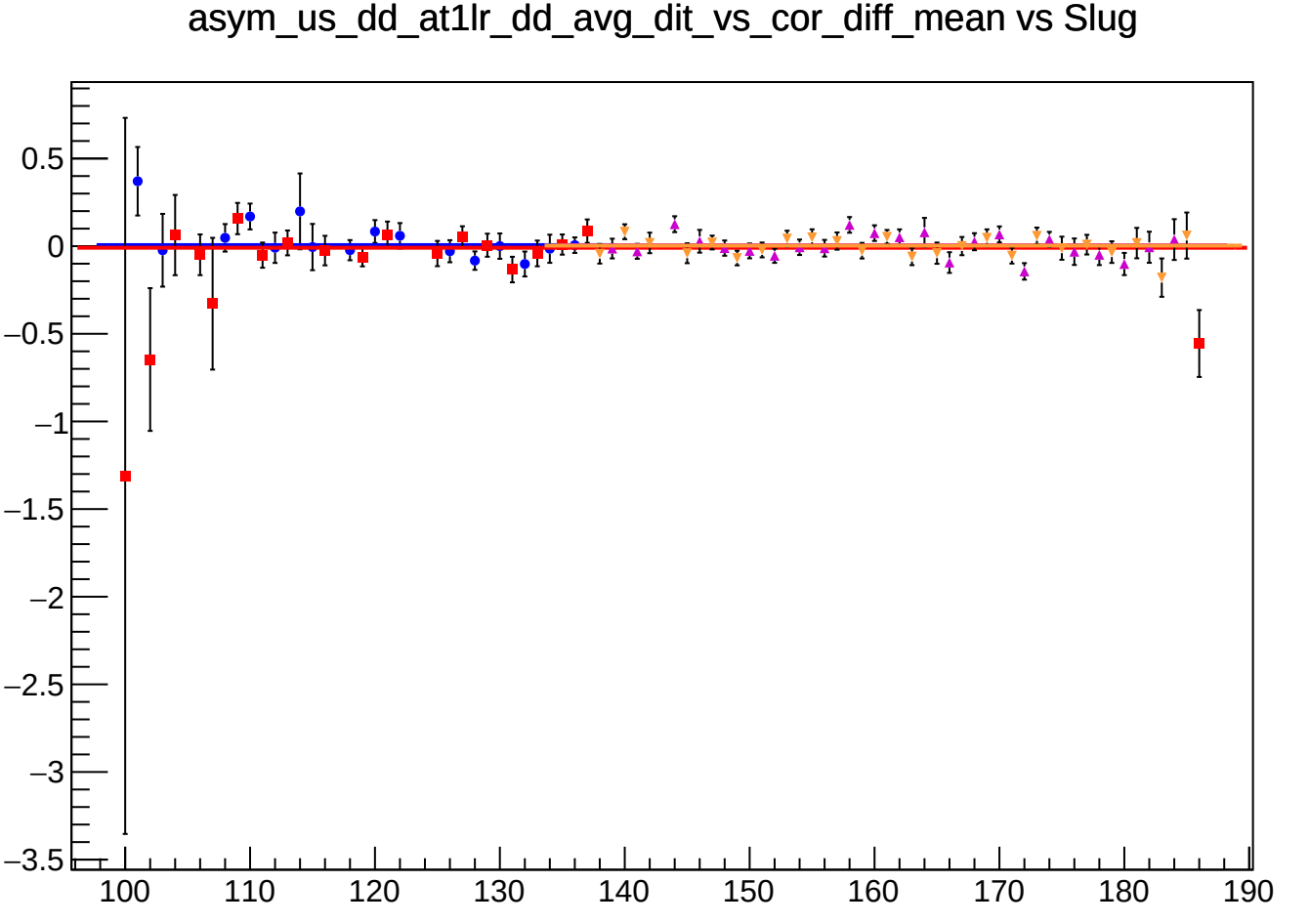
Right Out: 0.000+/-0.000 χ^2/NDF: 3135358.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5481311.5/39

All: 0.000+/-0.000 χ^2/NDF: 11664575.1/81

- sign 0.000+/-0.000 χ^2/NDF: 6157056.5/41



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

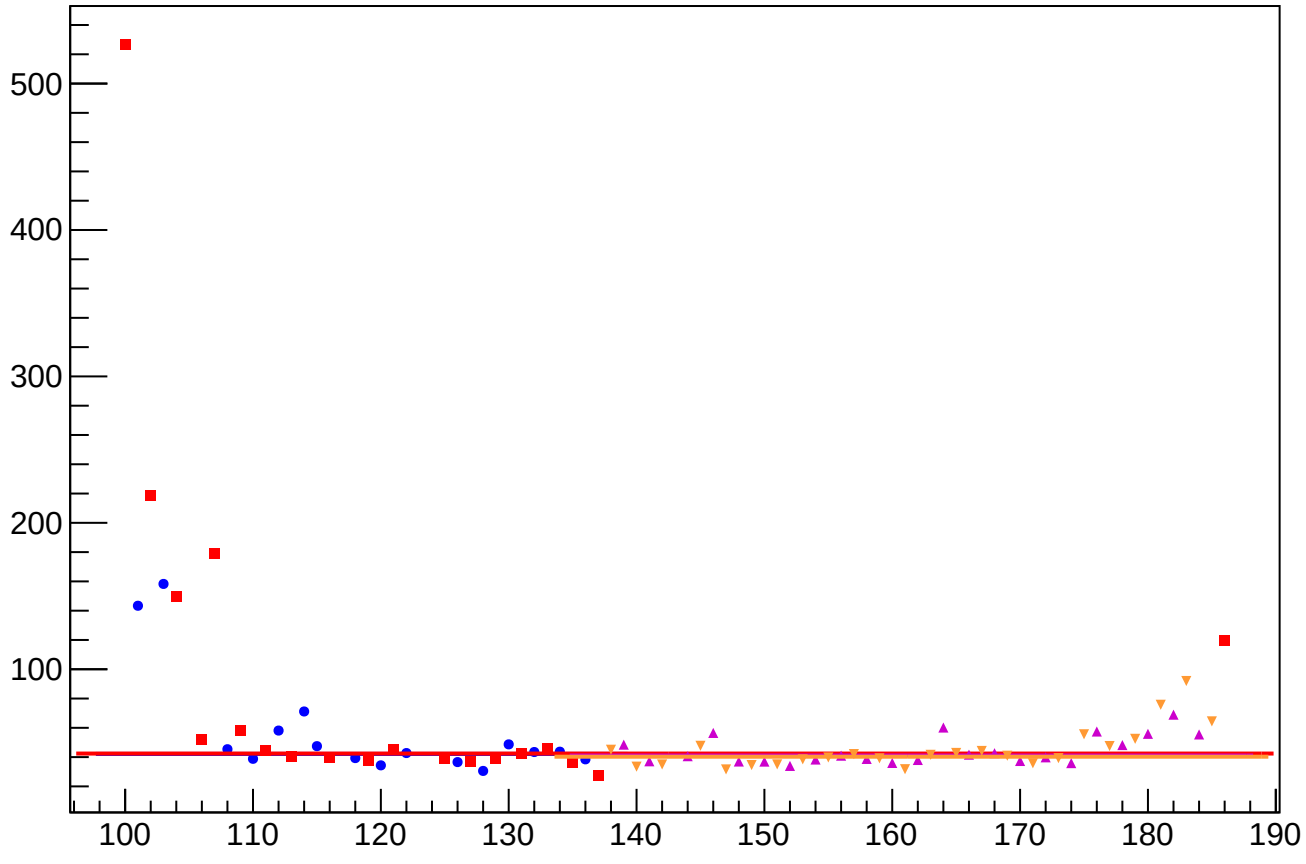
Right Out: -0.009+/-0.018 χ^2/NDF: 24.5/18

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 39.1/39

All: 0.003+/-0.006 χ^2/NDF: 105.5/81

- sign 0.002+/-0.009 χ^2/NDF: 66.4/41



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

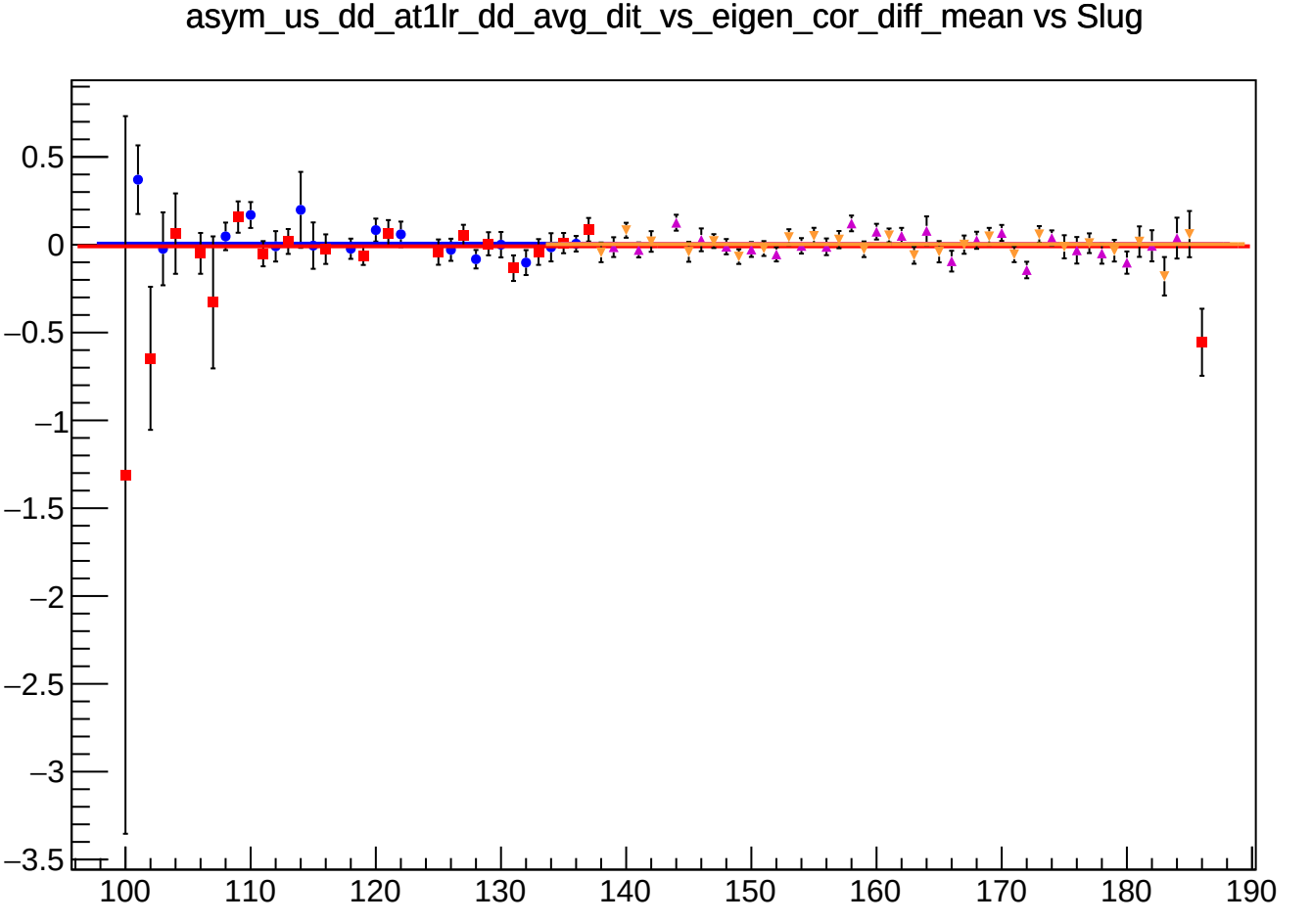
Right Out: 42.425+/-0.013 χ^2/NDF: 1772906.5/18

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 40.738+/-0.006 χ^2/NDF: 2959618.9/39

All: 41.069+/-0.005 χ^2/NDF: 5672828.0/81

- sign 41.412+/-0.006 χ^2/NDF: 2707702.0/41



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

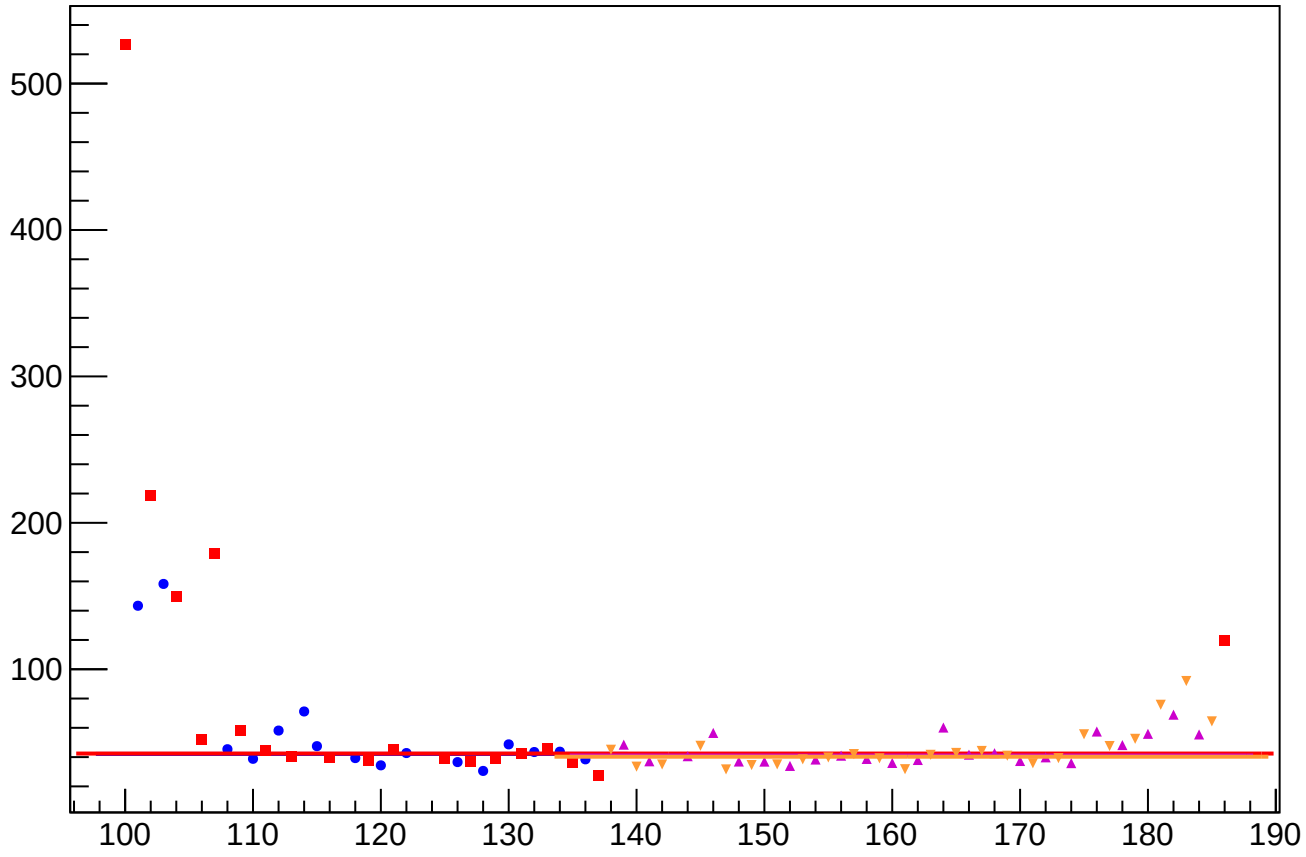
Right Out: -0.009+/-0.018 χ^2/NDF: 24.5/18

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 39.1/39

All: 0.003+/-0.006 χ^2/NDF: 105.5/81

- sign 0.002+/-0.009 χ^2/NDF: 66.4/41



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

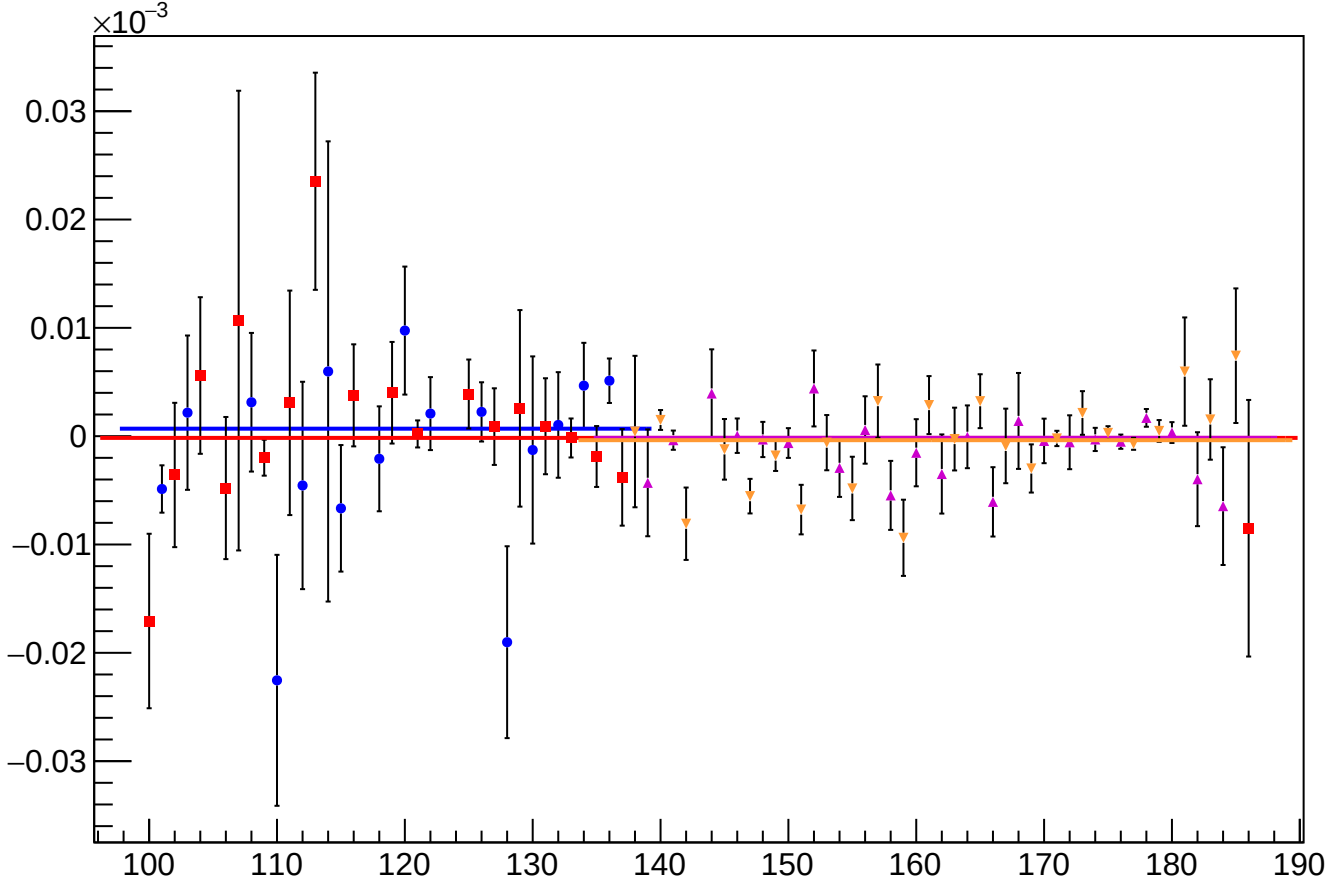
Right Out: 42.425+/-0.013 χ^2/NDF: 1772906.5/18

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 40.738+/-0.006 χ^2/NDF: 2959618.9/39

All: 41.069+/-0.005 χ^2/NDF: 5672828.0/81

- sign 41.412+/-0.006 χ^2/NDF: 2707702.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

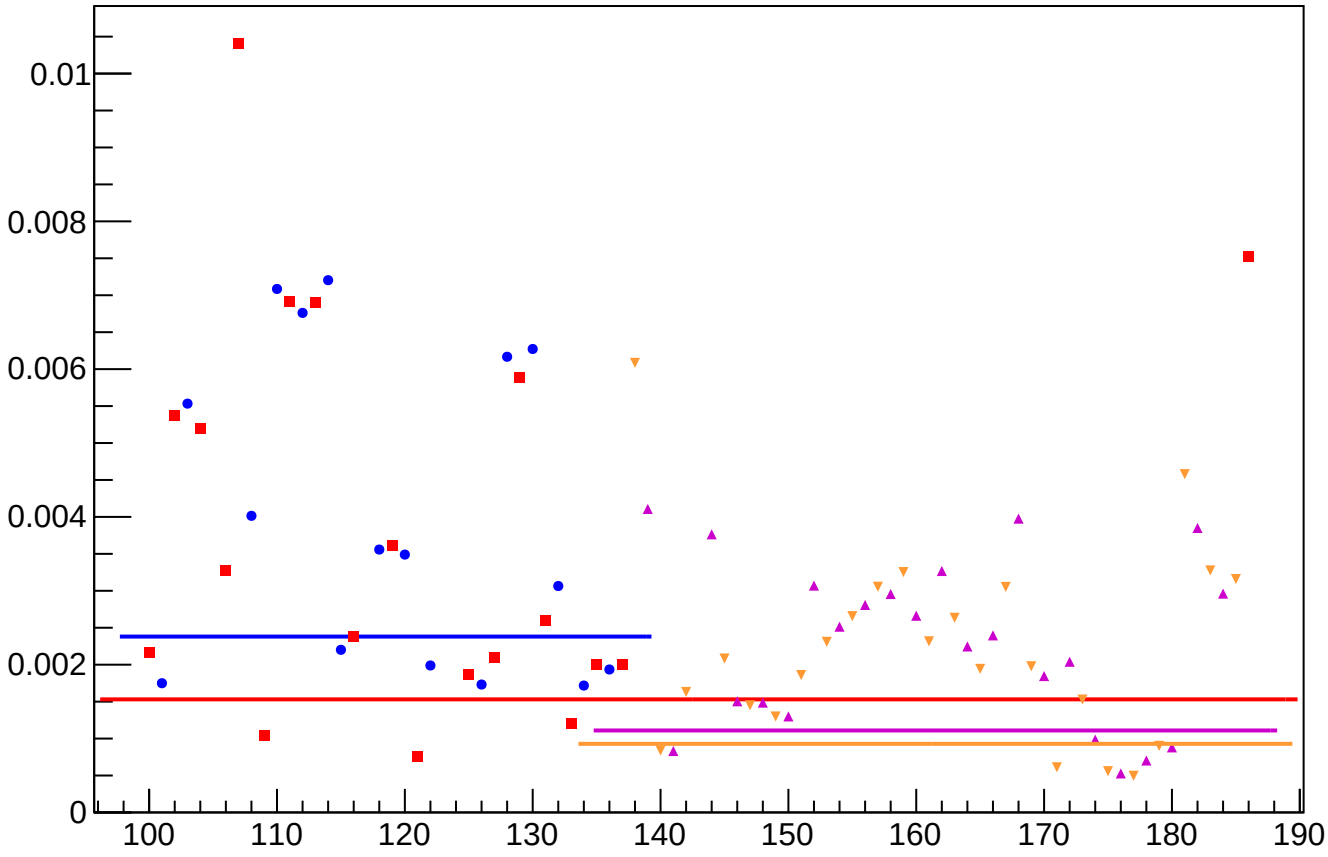
Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.7/39

All: -0.000+/-0.000 χ^2/NDF: 116.6/81

- sign -0.000+/-0.000 χ^2/NDF: 37.8/41



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

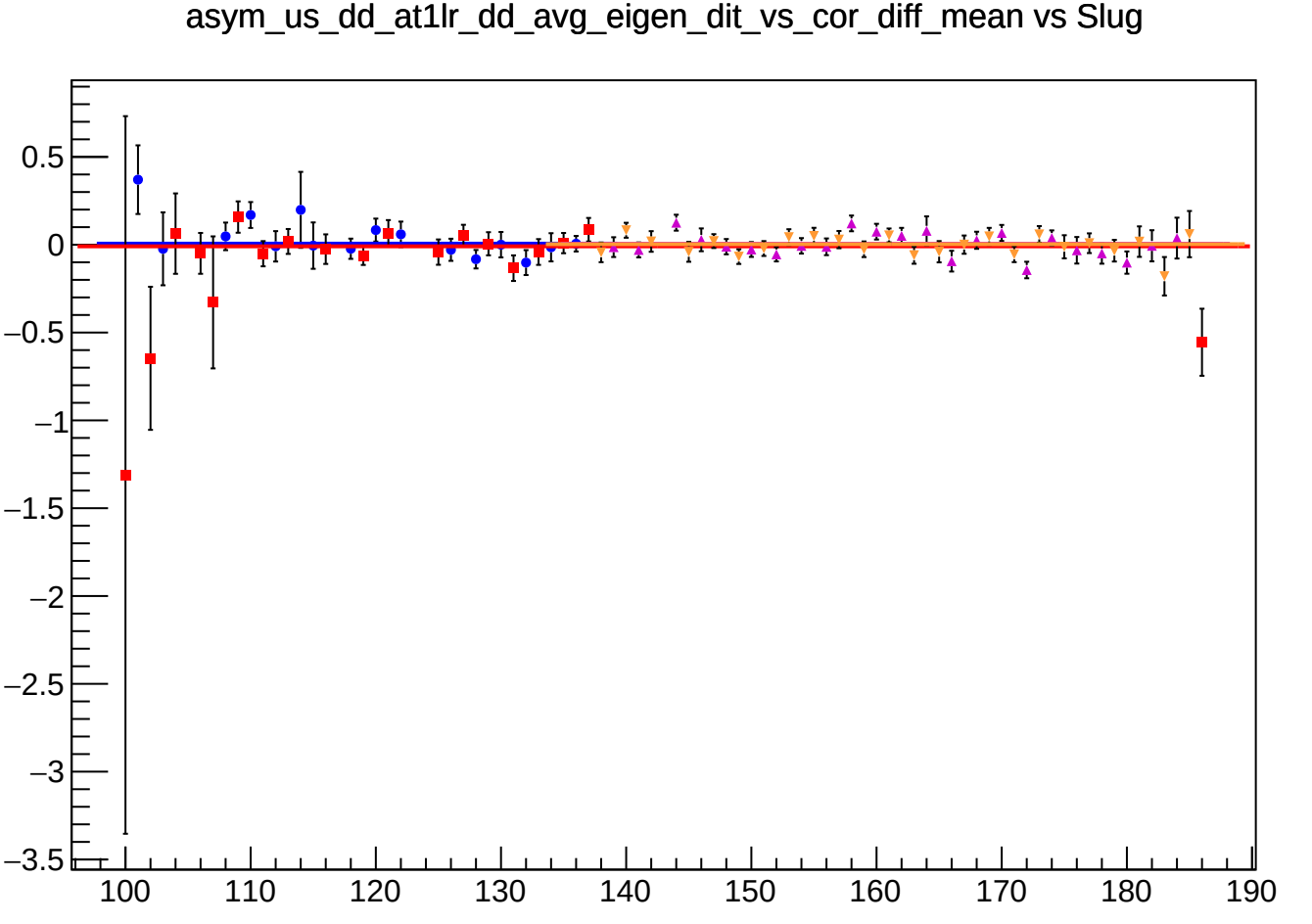
Right Out: 0.002+/-0.000 χ^2/NDF: 5514851.8/18

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 19187658.2/39

All: 0.001+/-0.000 χ^2/NDF: 36485902.1/81

- sign 0.001+/-0.000 χ^2/NDF: 17016671.8/41



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

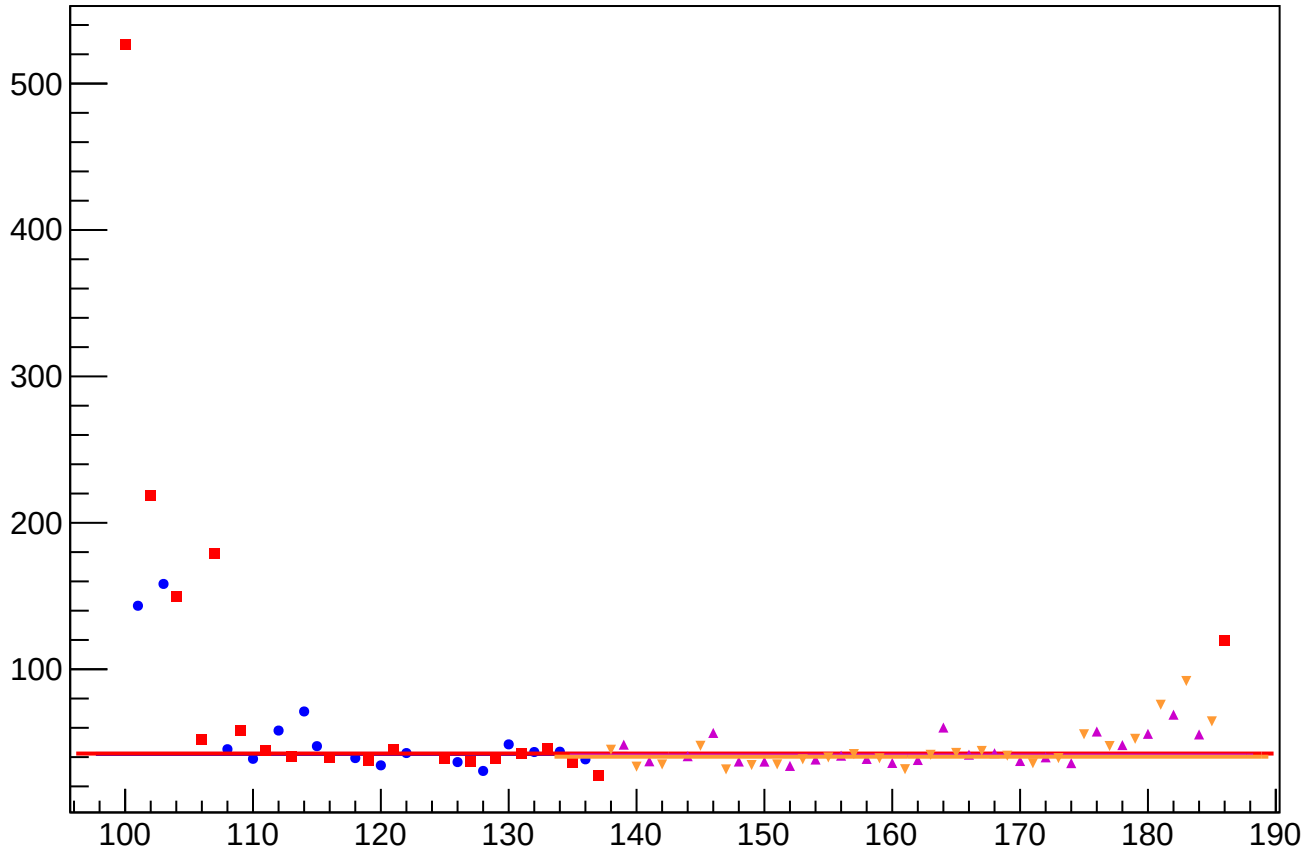
Right Out: -0.009+/-0.019 χ^2/NDF: 24.5/18

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 39.1/39

All: 0.003+/-0.006 χ^2/NDF: 105.5/81

- sign 0.002+/-0.009 χ^2/NDF: 66.4/41



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

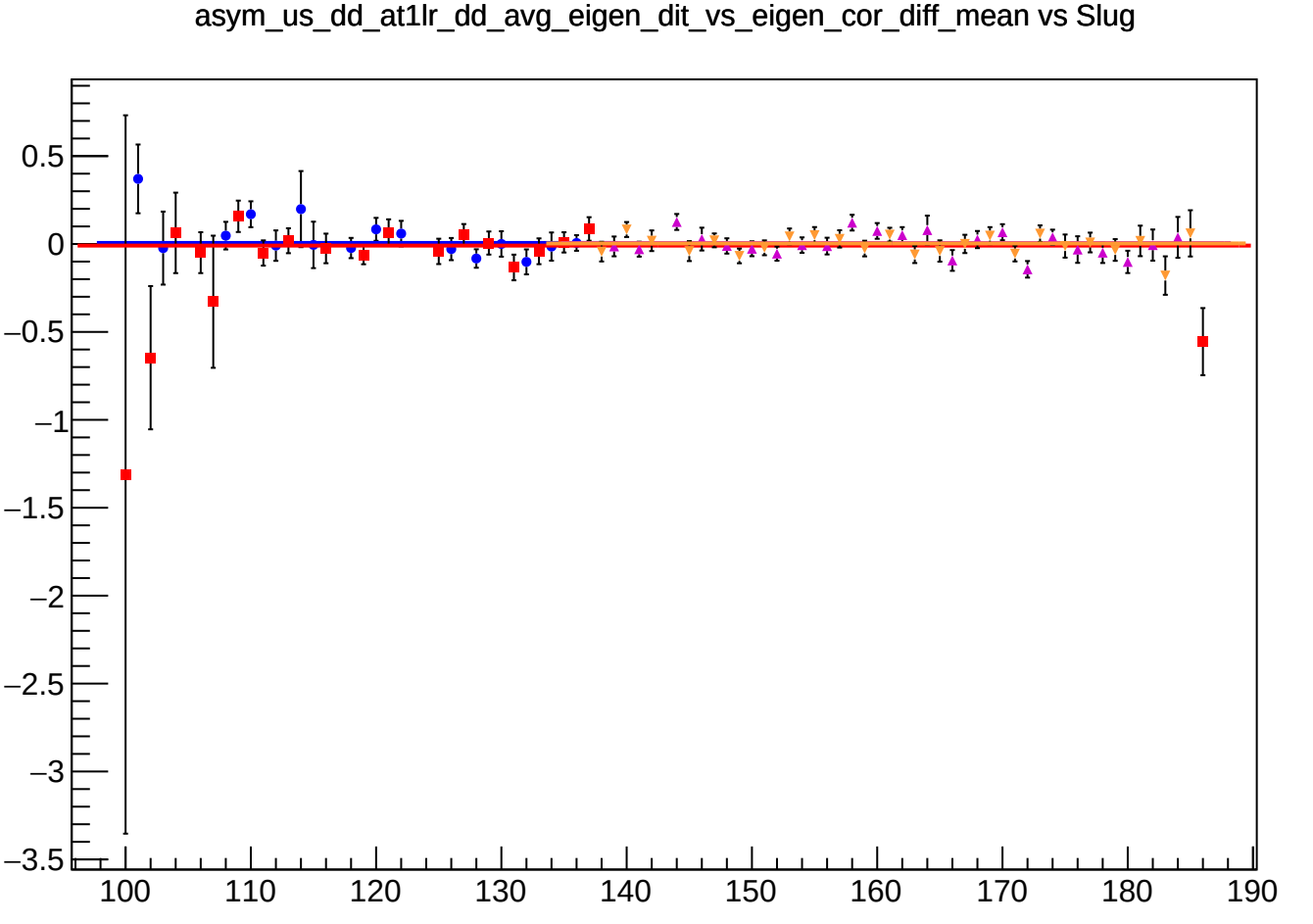
Right Out: 42.426+/-0.013 χ^2/NDF: 1772894.7/18

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

\+ sign 40.737+/-0.006 χ^2/NDF: 2959774.2/39

All: 41.069+/-0.005 χ^2/NDF: 5673025.9/81

\- sign 41.413+/-0.006 χ^2/NDF: 2707734.6/41



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

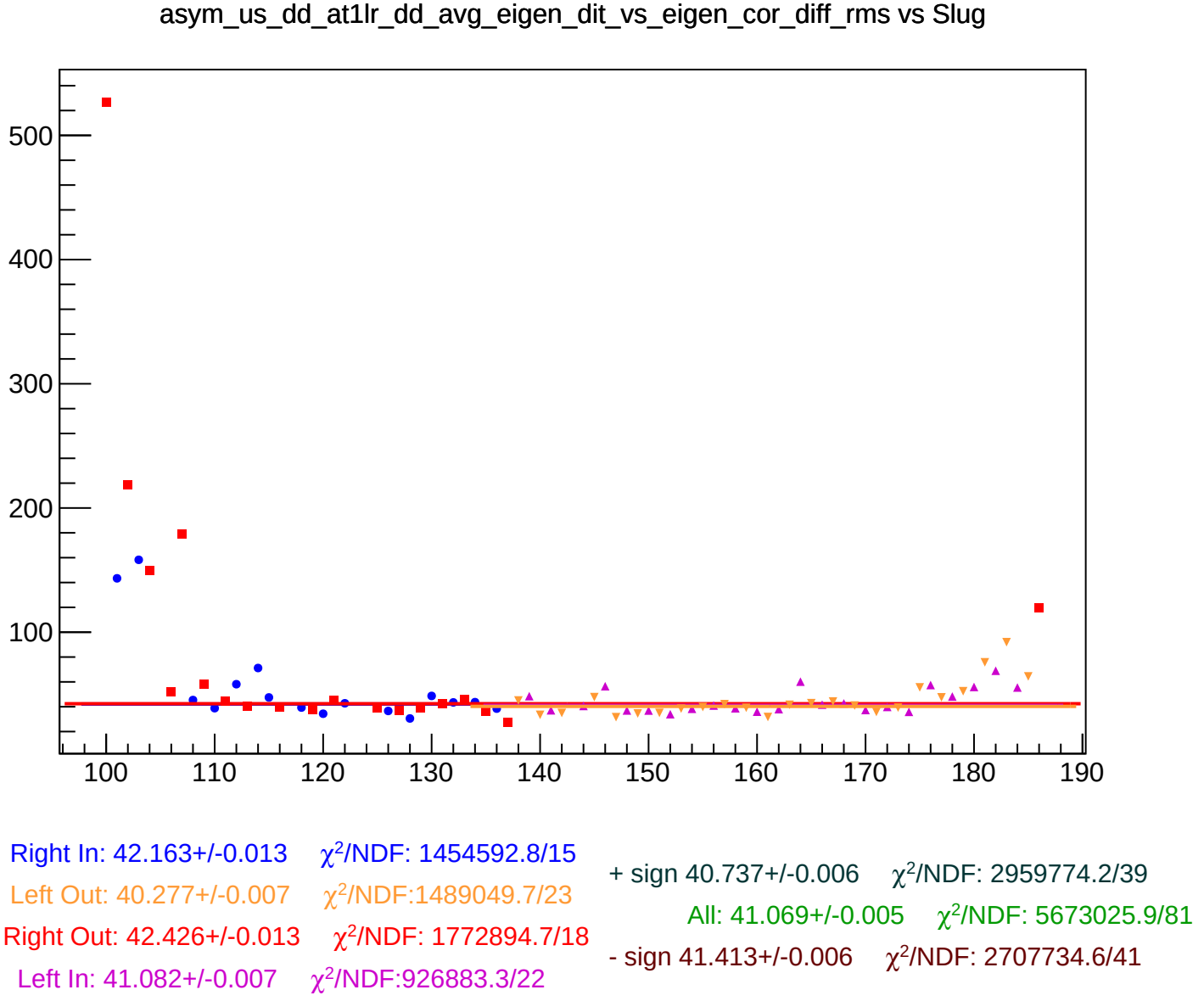
Right Out: -0.009+/-0.019 χ^2/NDF: 24.5/18

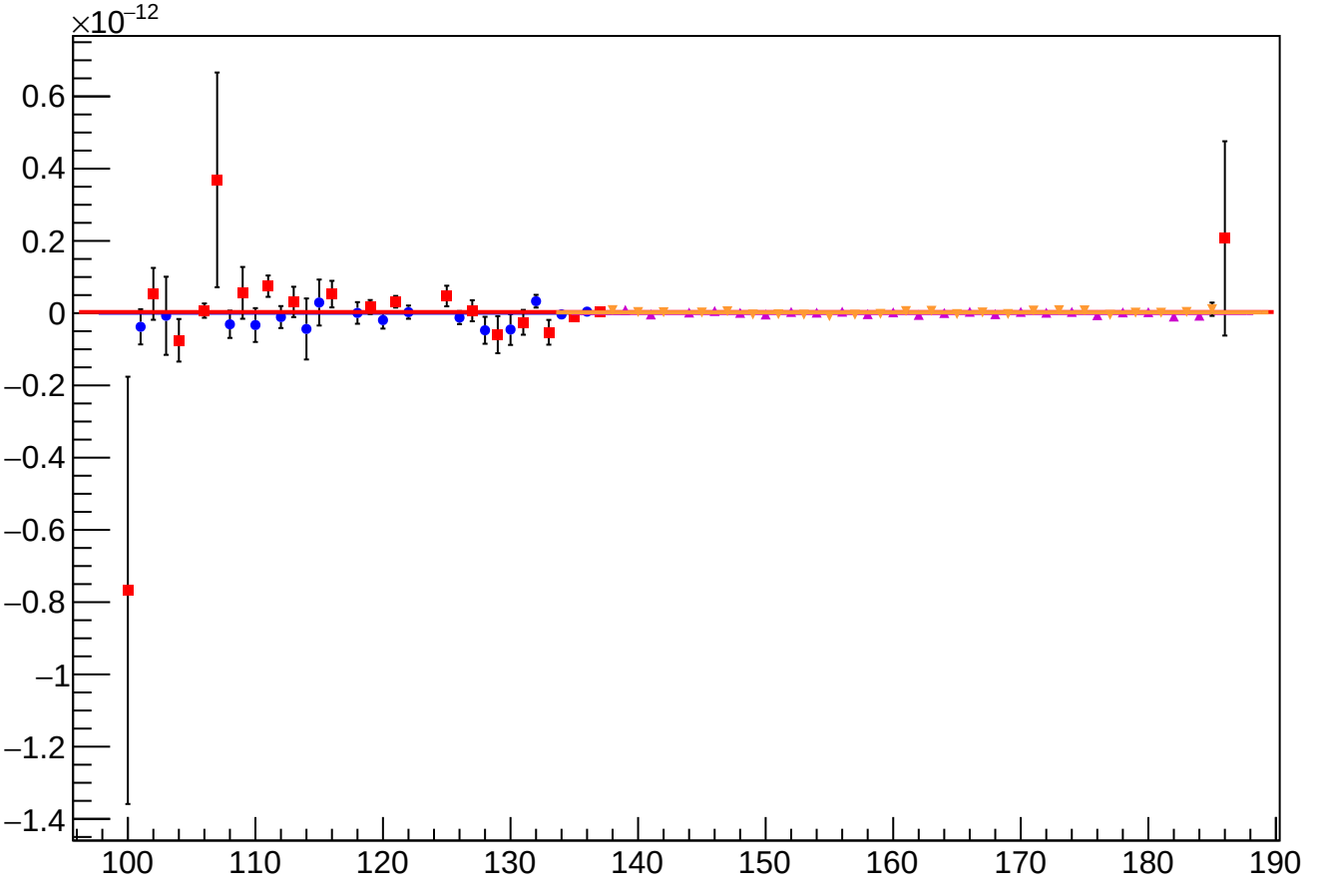
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 39.1/39

All: 0.003+/-0.006 χ^2/NDF: 105.5/81

- sign 0.002+/-0.009 χ^2/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: 42.163+/-0.013 χ2/NDF: 1454592.8/15
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 40.737+/-0.006 χ2/NDF: 2959774.2/39
All: 41.069+/-0.005 χ2/NDF: 5673025.9/81
- sign 41.413+/-0.006 χ2/NDF: 2707734.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

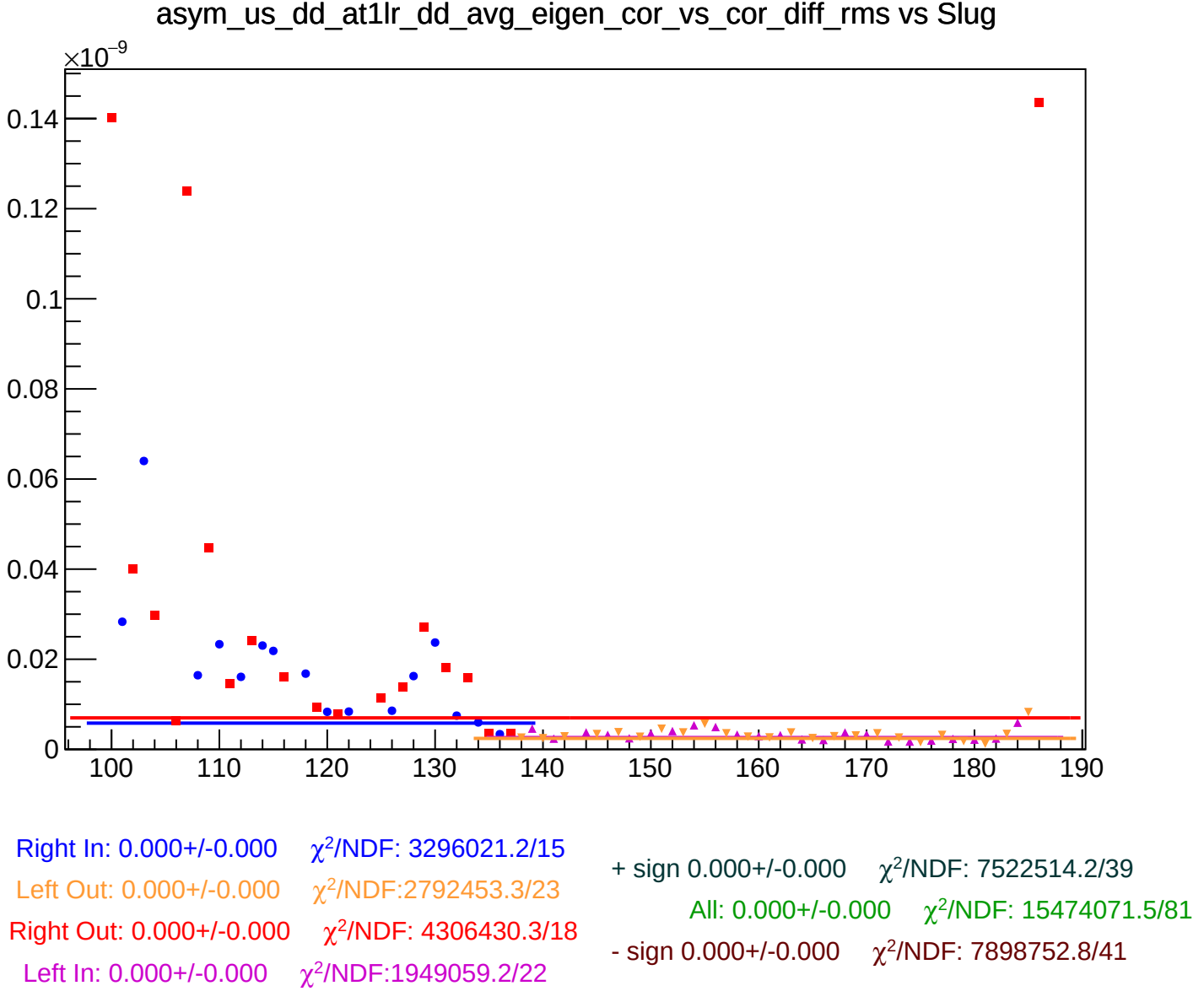
Right Out: 0.000+/-0.000 χ^2/NDF: 29.4/18

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

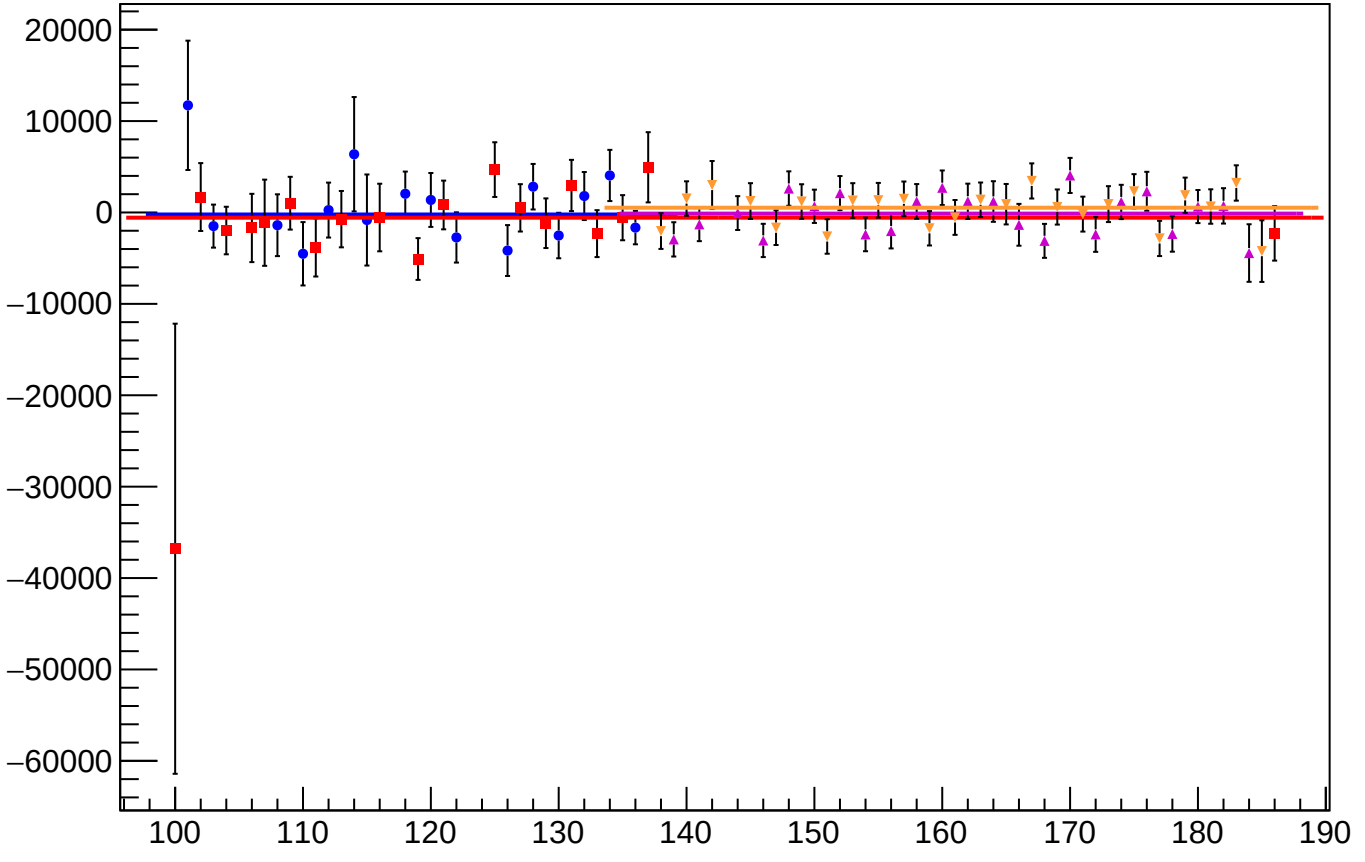
+ sign 0.000+/-0.000 χ^2/NDF: 35.7/39

All: 0.000+/-0.000 χ^2/NDF: 90.5/81

- sign 0.000+/-0.000 χ^2/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: 3296021.2/15
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: 7522514.2/39
All: 0.000+/-0.000 χ²/NDF: 15474071.5/81
- sign 0.000+/-0.000 χ²/NDF: 7898752.8/41

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -569.974+/-692.065 χ^2/NDF: 16.2/18

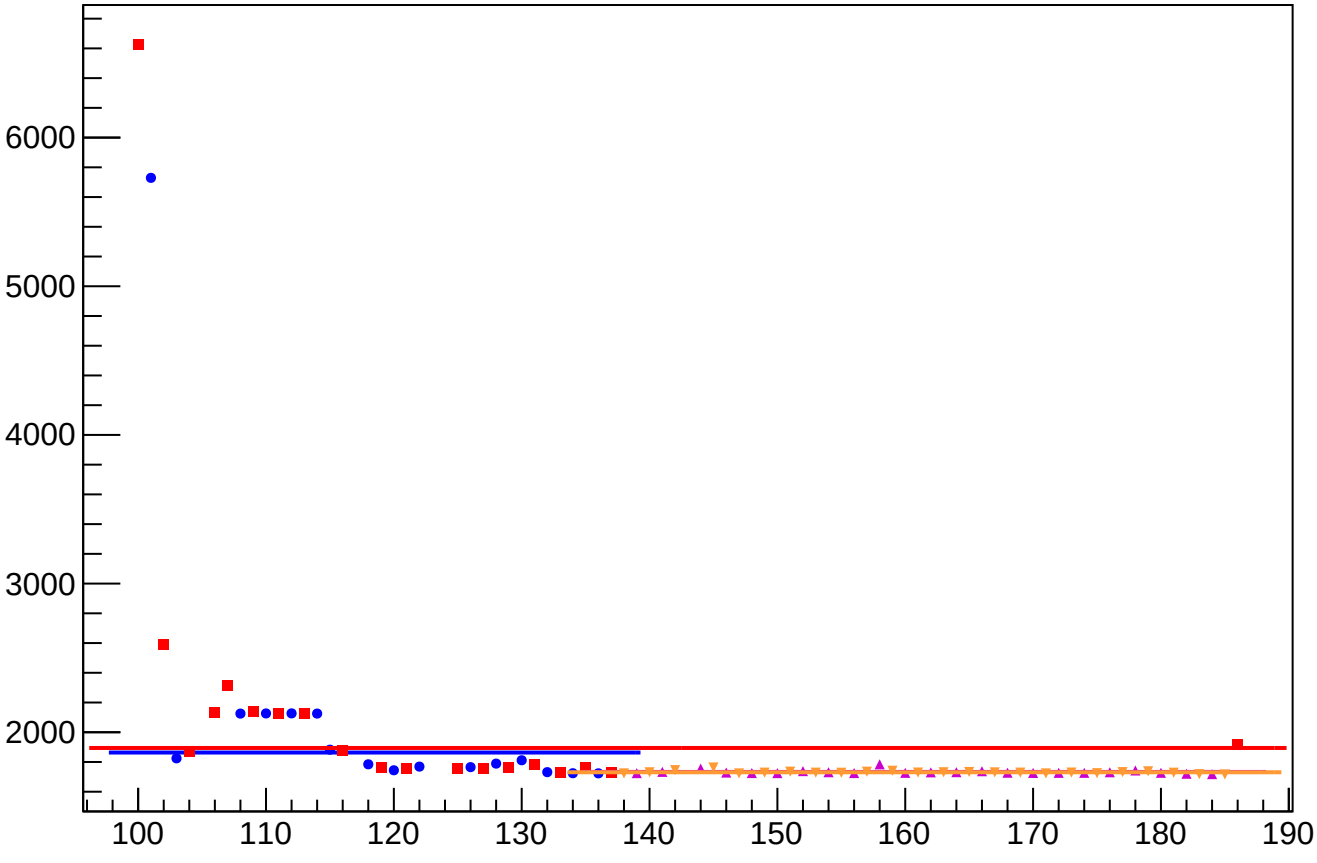
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 339.457+/-349.523 χ^2/NDF: 37.4/39

All: 49.986+/-247.074 χ^2/NDF: 84.8/81

- sign -239.127+/-349.307 χ^2/NDF: 46.0/41

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

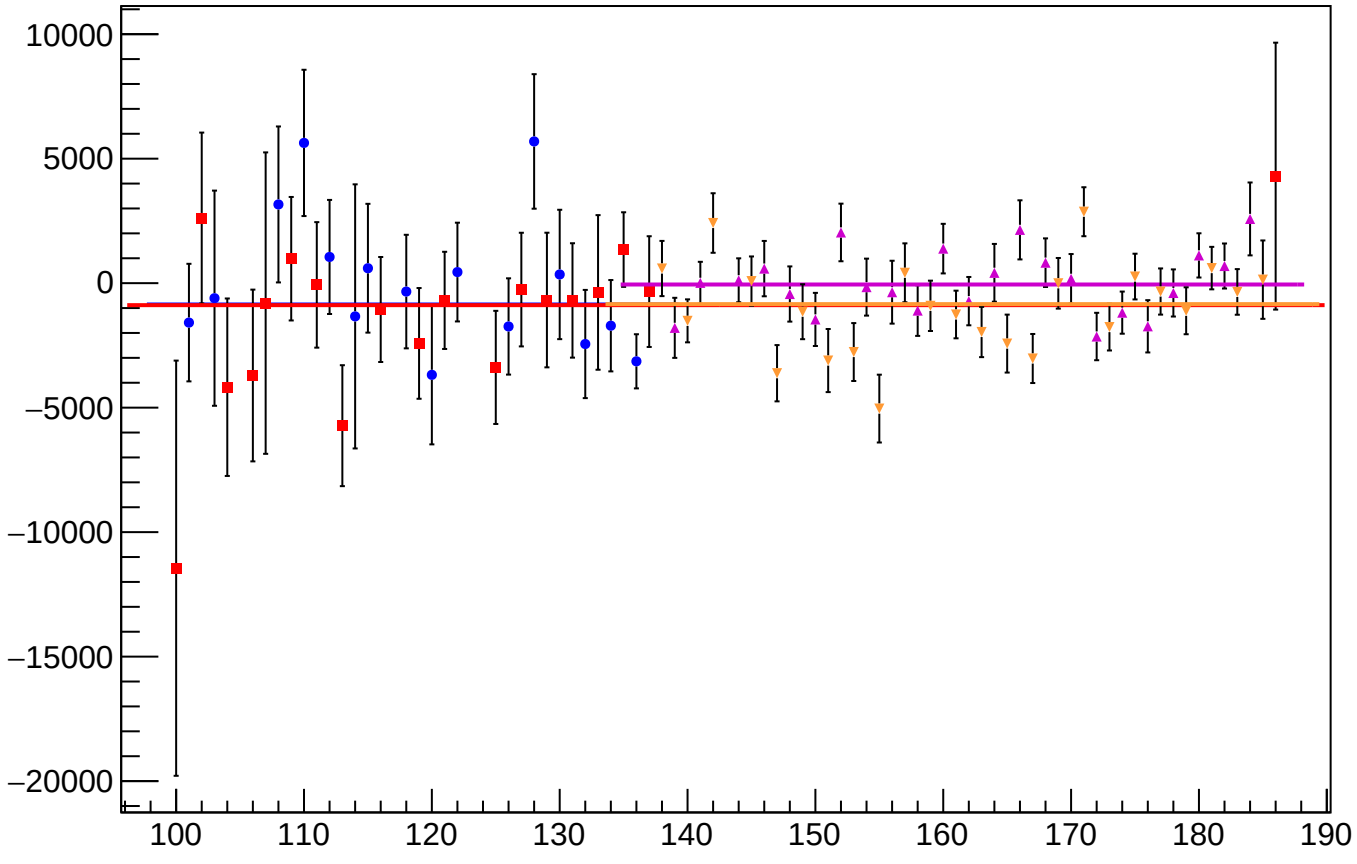
Right Out: 1894.275+/-0.489 χ^2/NDF: 251658.8/18

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1763.092+/-0.247 χ^2/NDF: 728681.4/39

All: 1768.595+/-0.175 χ^2/NDF: 1064503.3/81

- sign 1774.091+/-0.247 χ^2/NDF: 334830.9/41



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

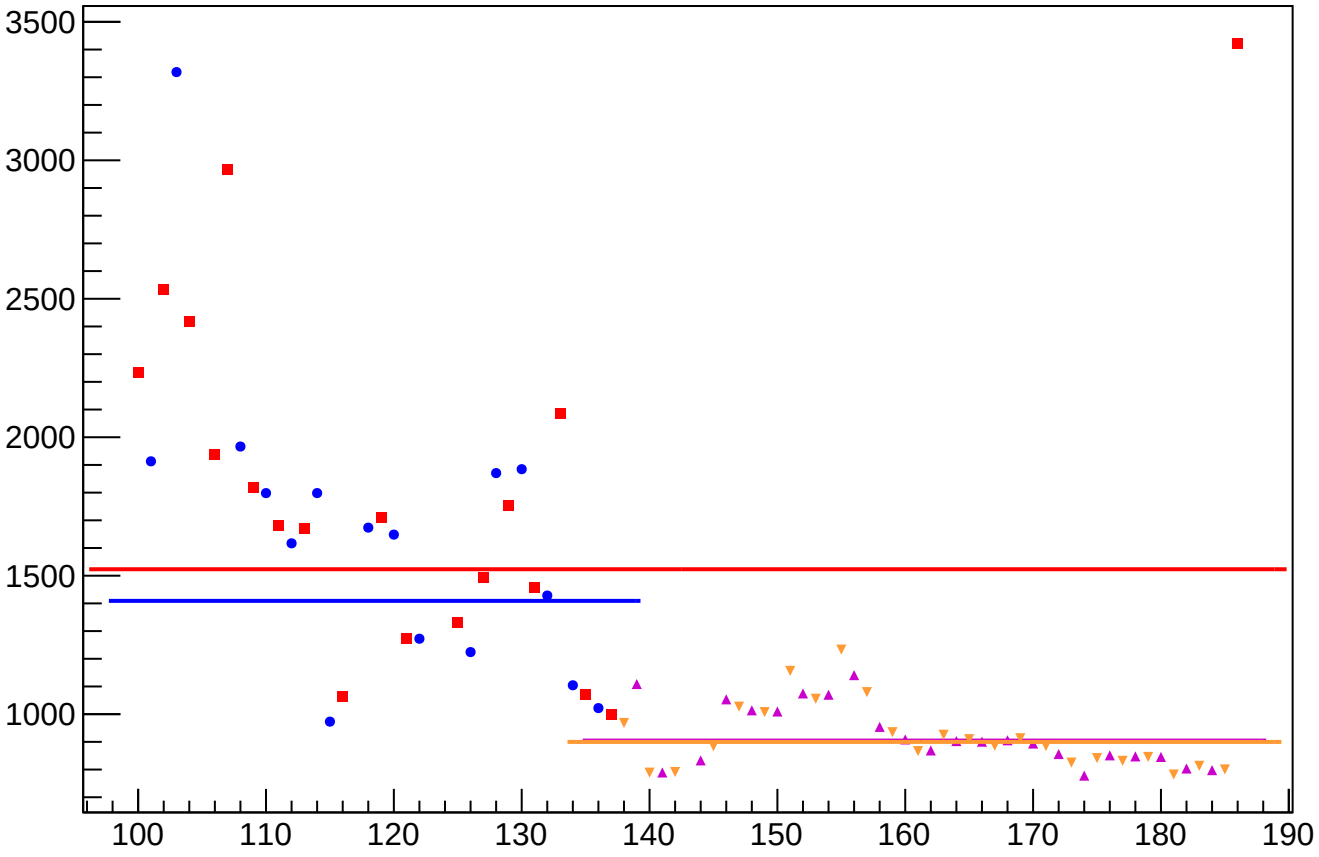
Right Out: -883.223+/-580.533 χ^2/NDF: 13.9/18

Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -844.342+/-196.871 χ^2/NDF: 83.3/39

All: -503.656+/-140.280 χ^2/NDF: 135.7/81

- sign -152.273+/-199.937 χ^2/NDF: 46.3/41



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1523.322+/-0.410 χ^2/NDF: 1284398.2/18

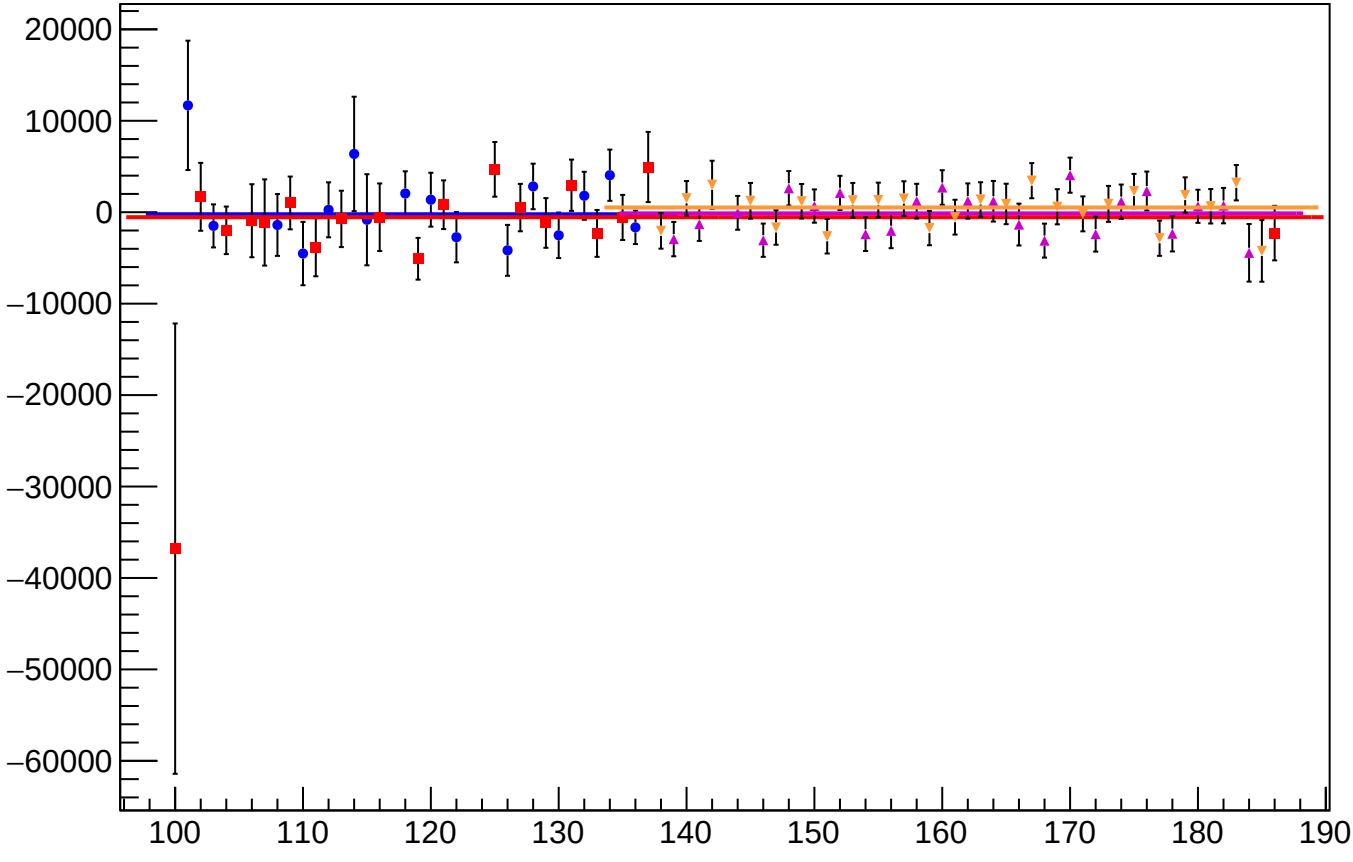
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

\+ sign 965.113+/-0.139 χ^2/NDF: 3159134.2/39

All: 971.476+/-0.099 χ^2/NDF: 6901989.7/81

\- sign 978.038+/-0.141 χ^2/NDF: 3738612.1/41

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -542.601+/-693.559 χ^2/NDF: 16.1/18

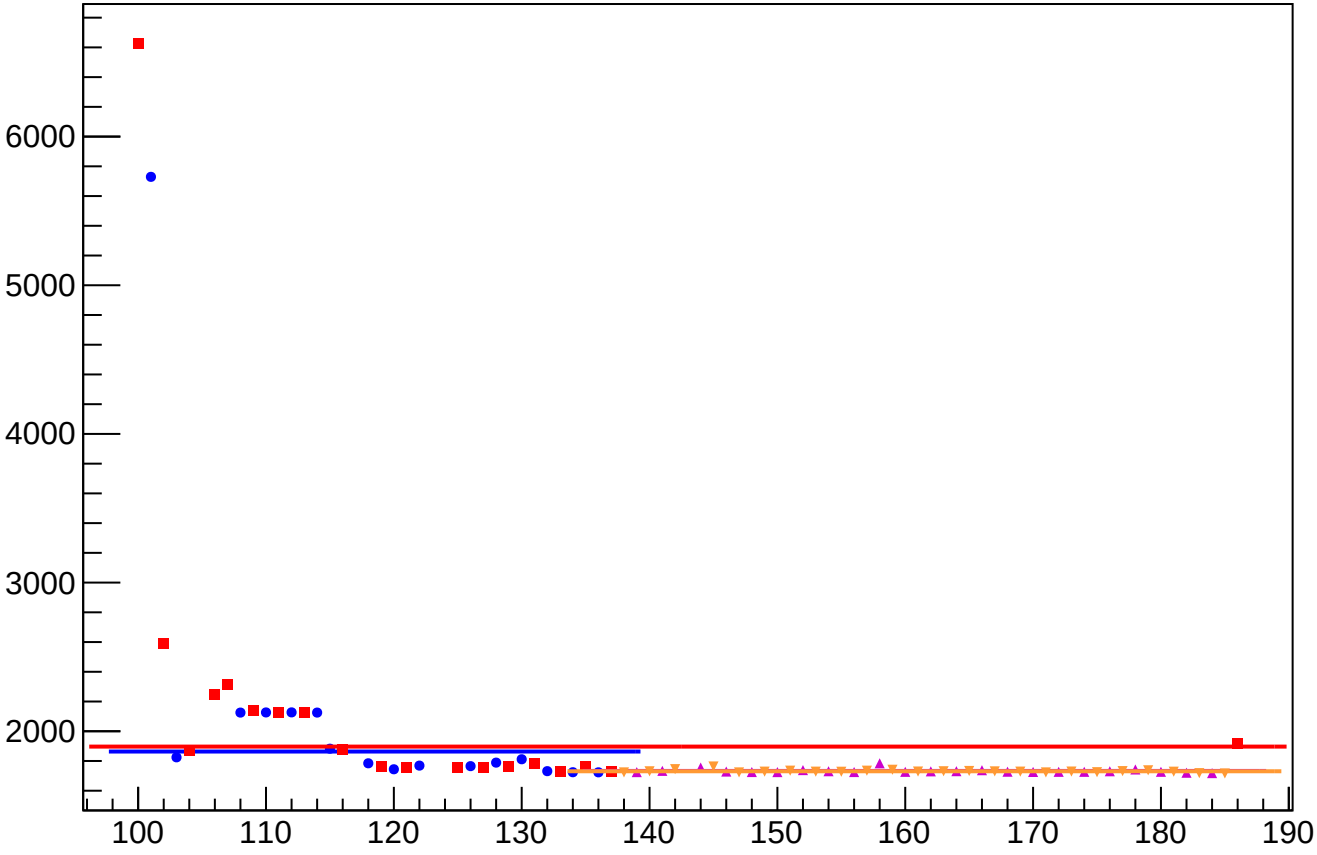
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 339.289+/-349.523 χ^2/NDF: 37.4/39

All: 53.696+/-247.142 χ^2/NDF: 84.6/81

- sign -231.858+/-349.499 χ^2/NDF: 45.9/41

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

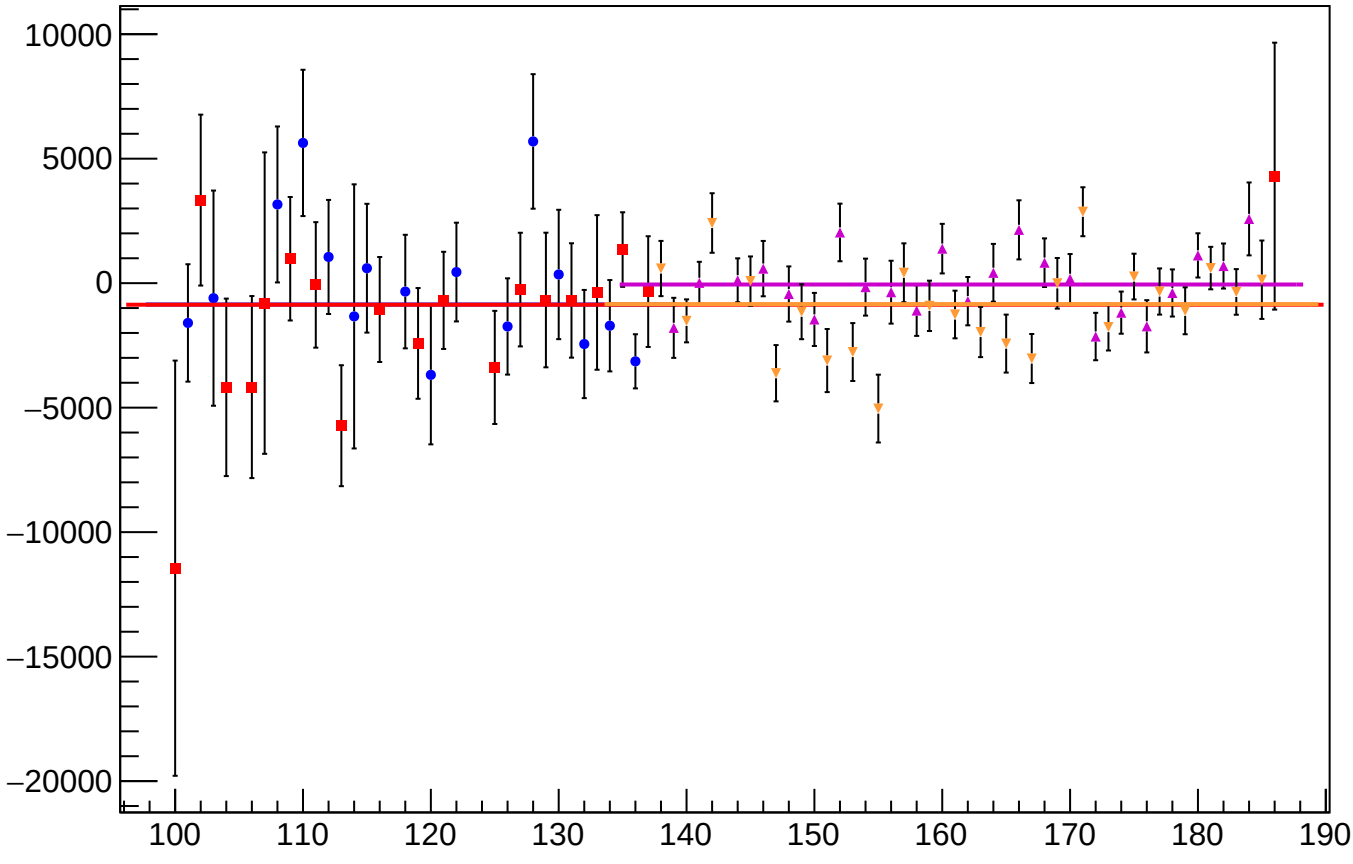
Right Out: 1896.765+/-0.490 χ^2/NDF: 259289.8/18

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1763.092+/-0.247 χ^2/NDF: 728681.2/39

All: 1768.842+/-0.175 χ^2/NDF: 1074476.2/81

- sign 1774.591+/-0.247 χ^2/NDF: 344712.4/41



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: -865.709+/-581.436 χ^2/NDF: 14.5/18

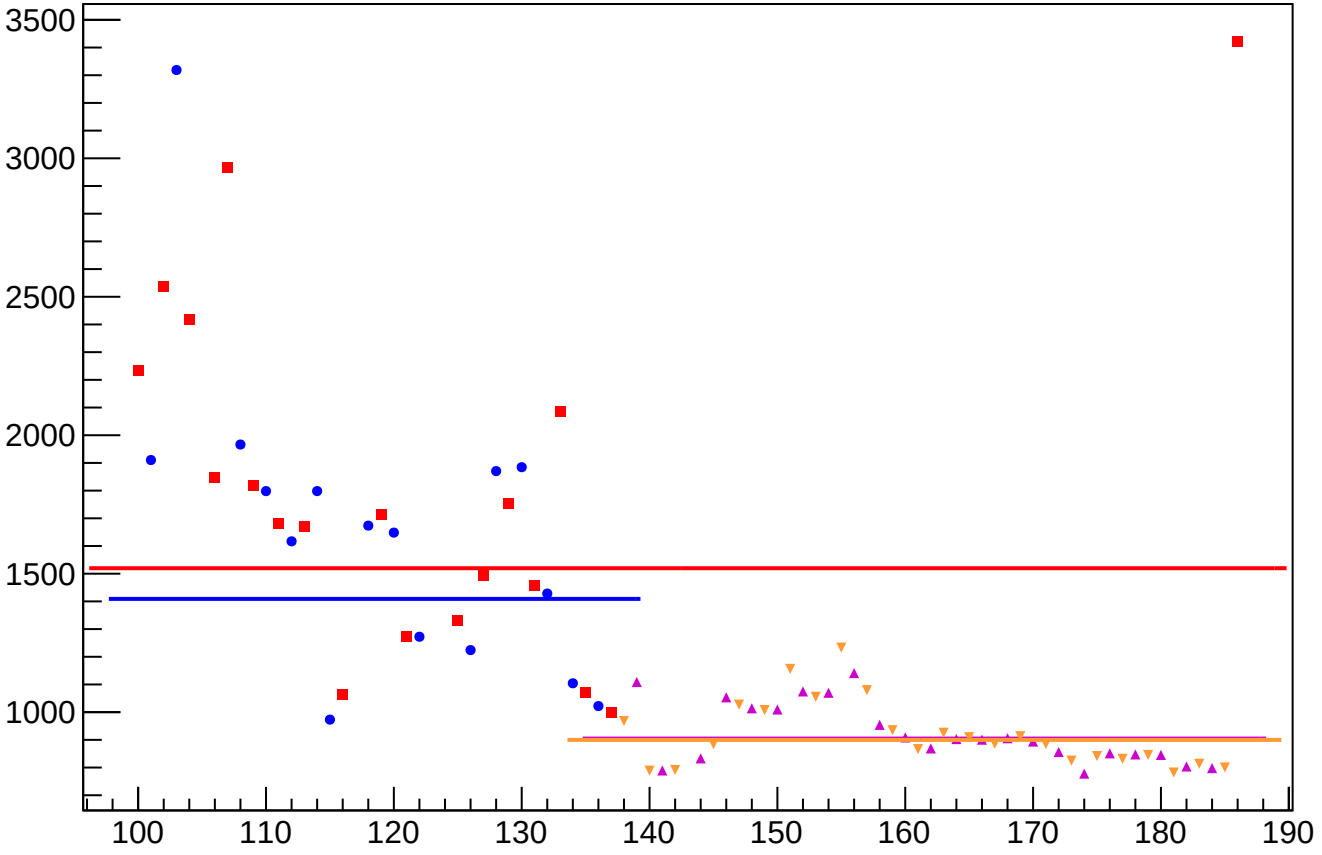
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

\+ sign -844.479+/-196.869 χ^2/NDF: 83.3/39

All: -502.648+/-140.292 χ^2/NDF: 136.3/81

\- sign -149.951+/-199.973 χ^2/NDF: 46.8/41

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

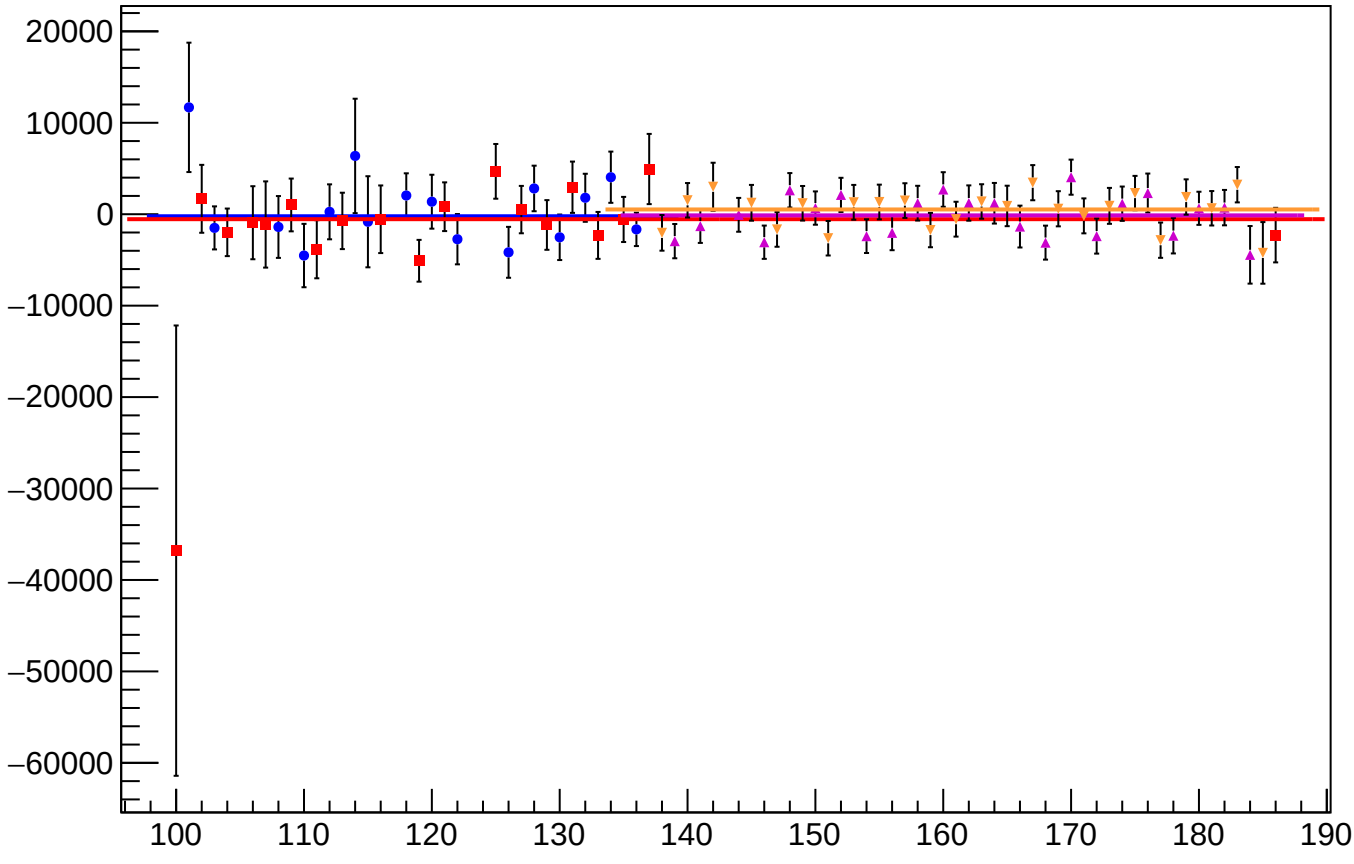
Right Out: 1519.783+/-0.411 χ^2/NDF: 1272707.2/18

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 965.115+/-0.139 χ^2/NDF: 3158171.3/39

All: 971.169+/-0.099 χ^2/NDF: 6860710.5/81

- sign 977.415+/-0.141 χ^2/NDF: 3698696.6/41



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -542.601+/-693.559 χ^2/NDF: 16.1/18

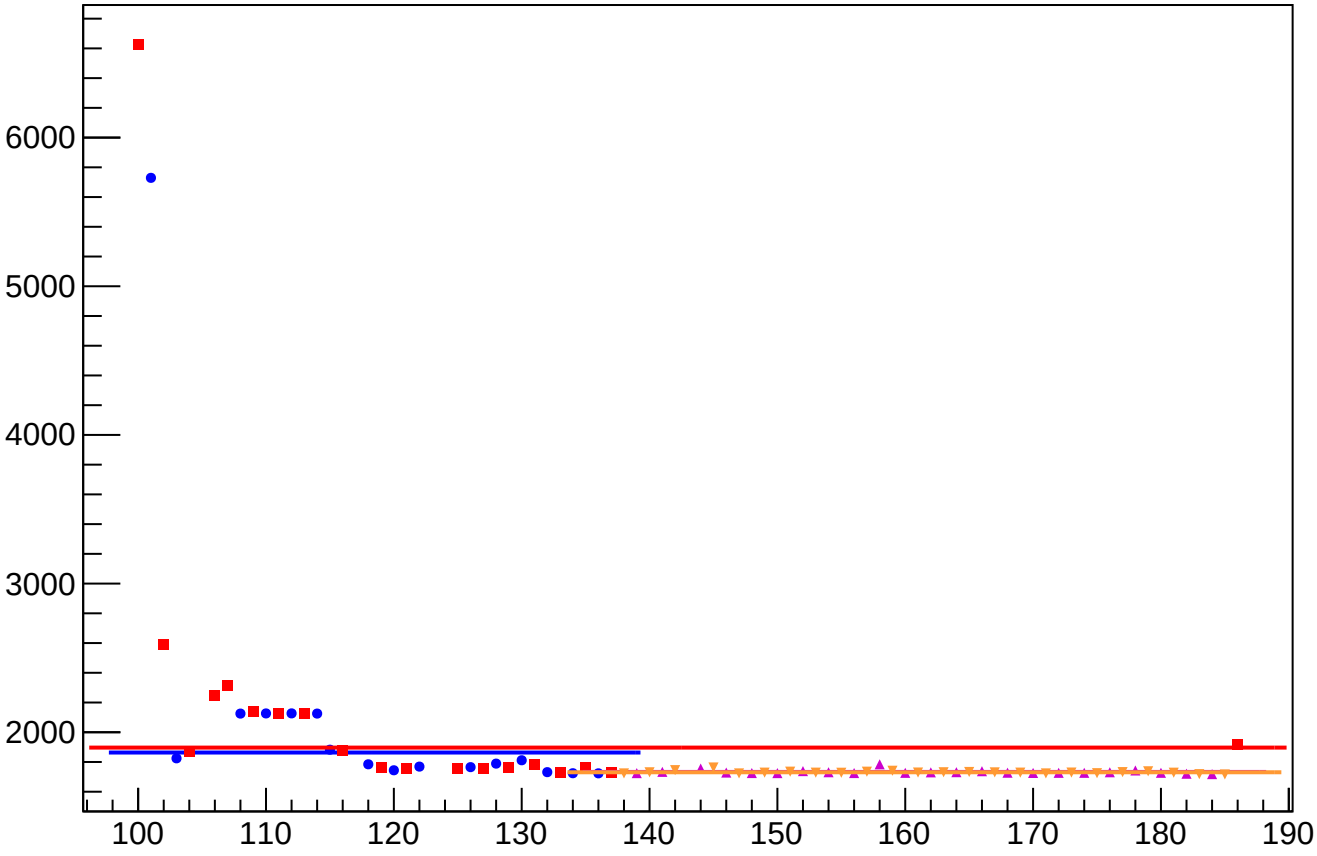
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 339.289+/-349.523 χ^2/NDF: 37.4/39

All: 53.696+/-247.142 χ^2/NDF: 84.6/81

- sign -231.858+/-349.499 χ^2/NDF: 45.9/41

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

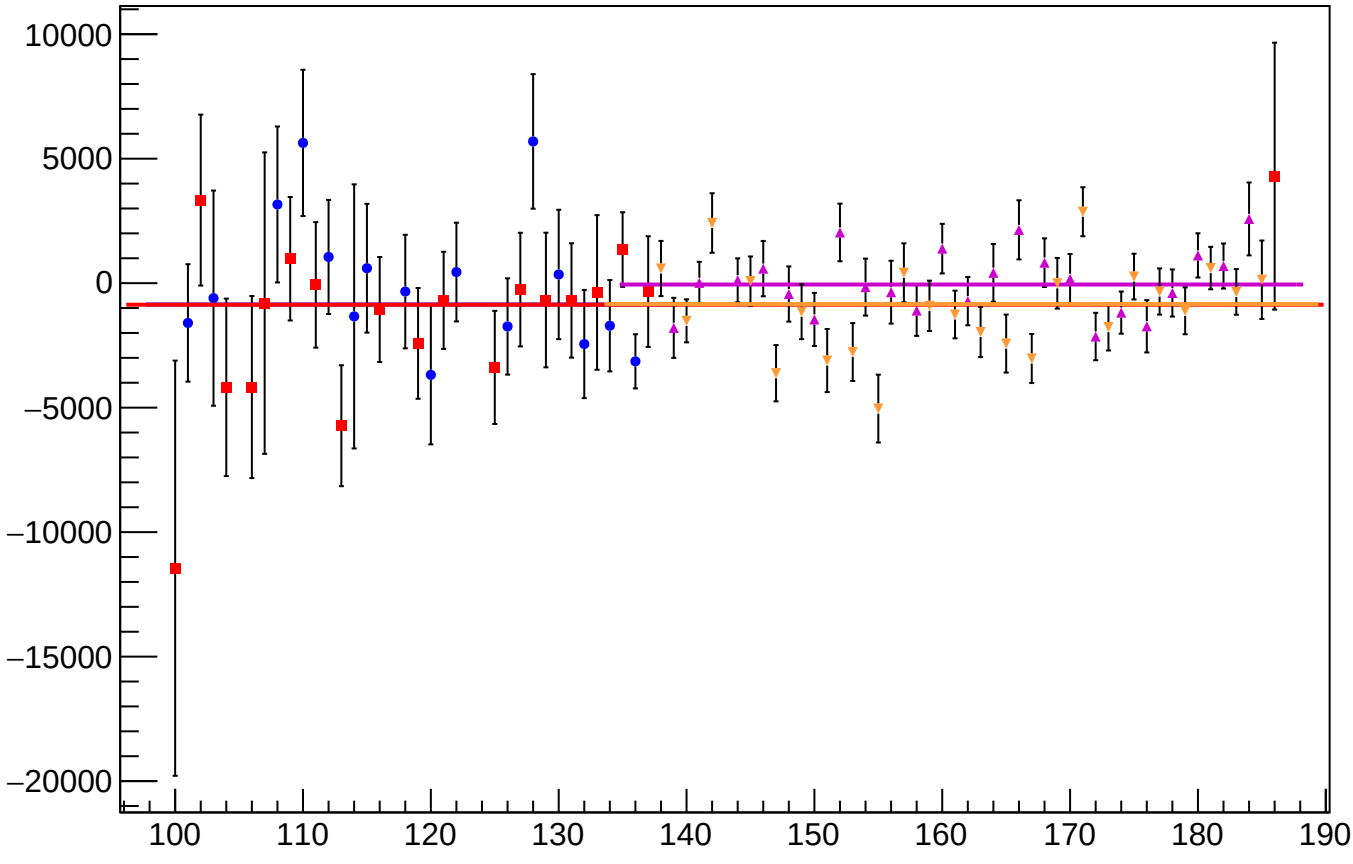
Right Out: 1896.765+/-0.490 χ^2/NDF: 259289.8/18

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1763.092+/-0.247 χ^2/NDF: 728681.2/39

All: 1768.842+/-0.175 χ^2/NDF: 1074476.2/81

- sign 1774.591+/-0.247 χ^2/NDF: 344712.4/41



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

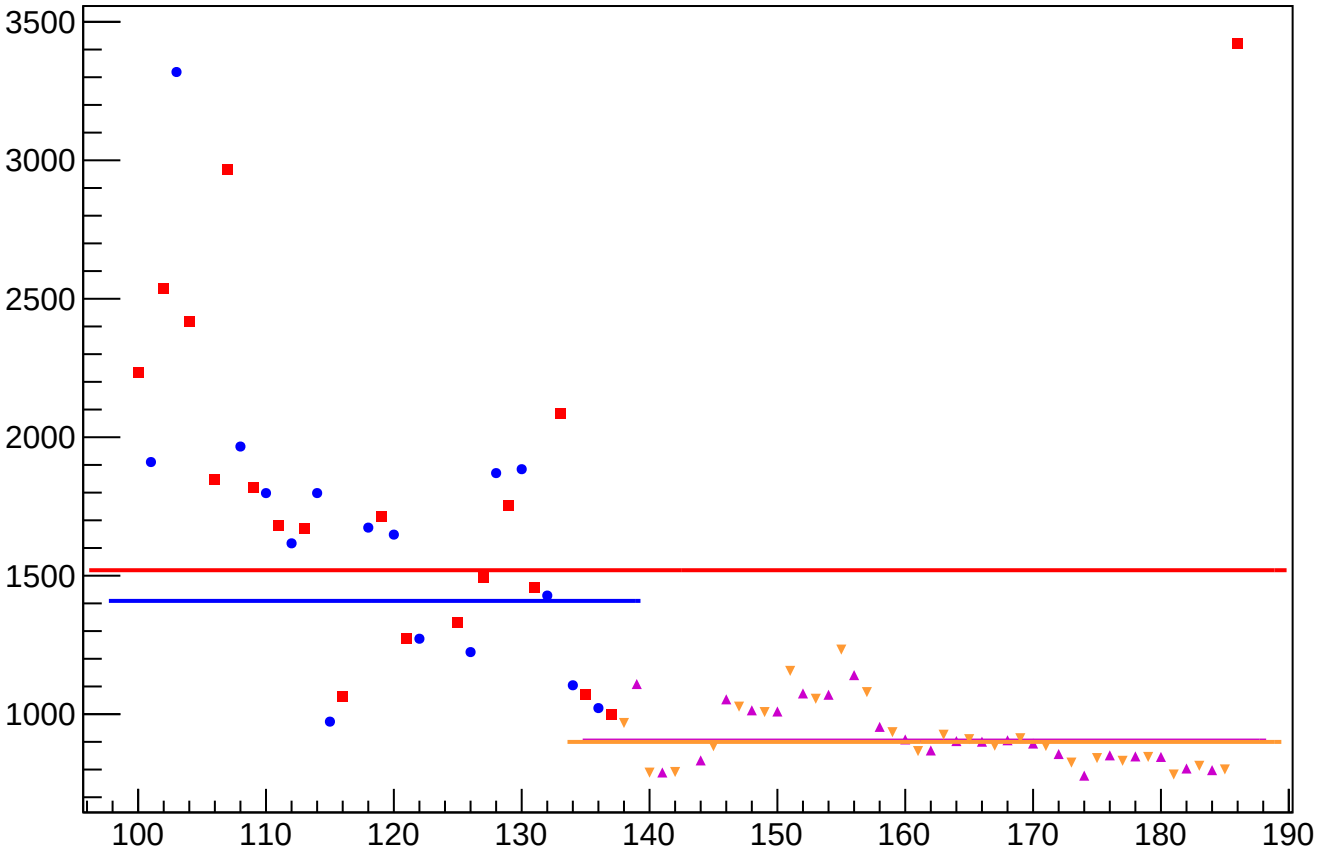
Right Out: -865.709+/-581.436 χ^2/NDF: 14.5/18

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -844.479+/-196.869 χ^2/NDF: 83.3/39

All: -502.648+/-140.292 χ^2/NDF: 136.3/81

- sign -149.951+/-199.973 χ^2/NDF: 46.8/41



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1519.783+/-0.411 χ^2/NDF: 1272707.2/18

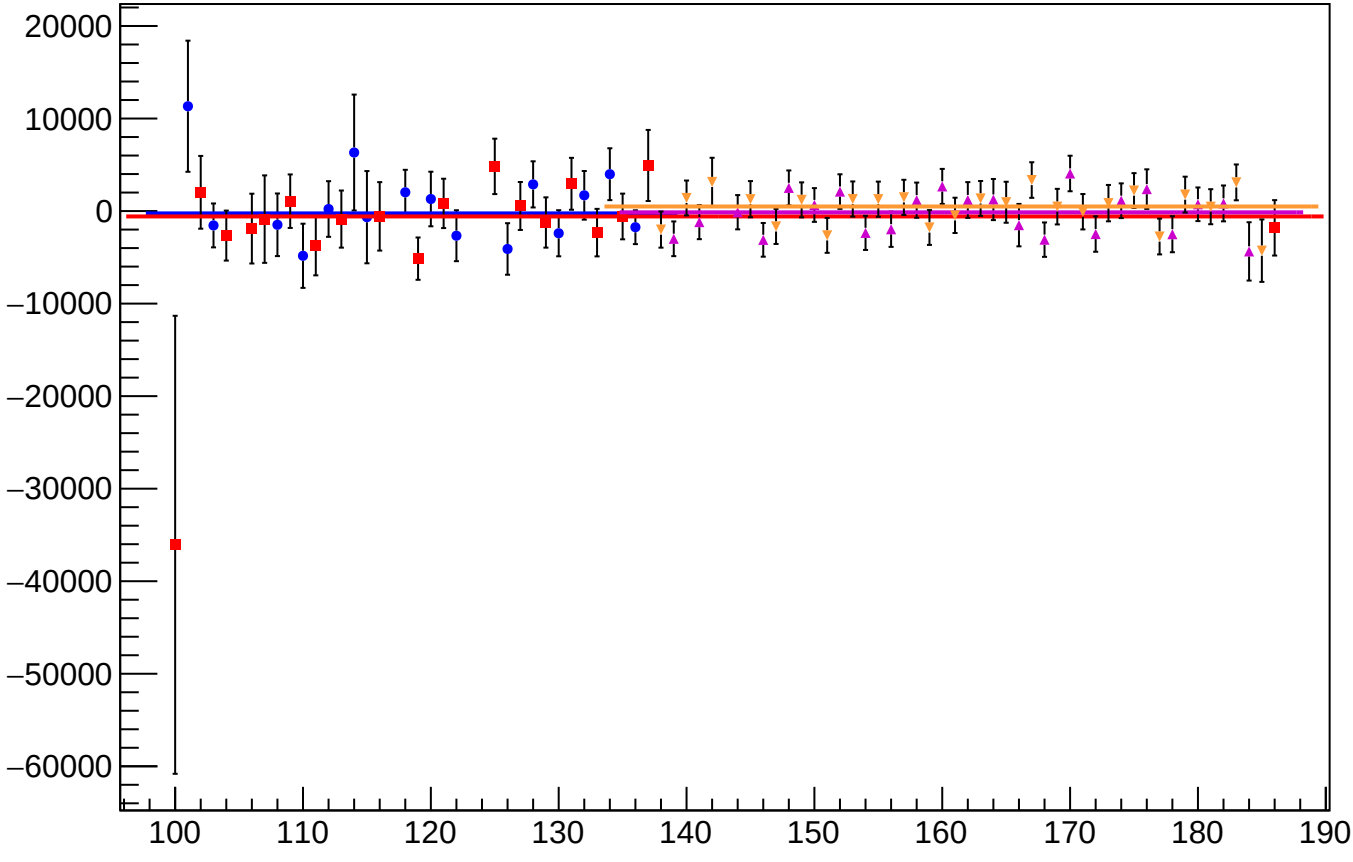
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

\+ sign 965.115+/-0.139 χ^2/NDF: 3158171.3/39

All: 971.169+/-0.099 χ^2/NDF: 6860710.5/81

\- sign 977.415+/-0.141 χ^2/NDF: 3698696.6/41

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -580.464+/-695.850 χ^2/NDF: 16.6/18

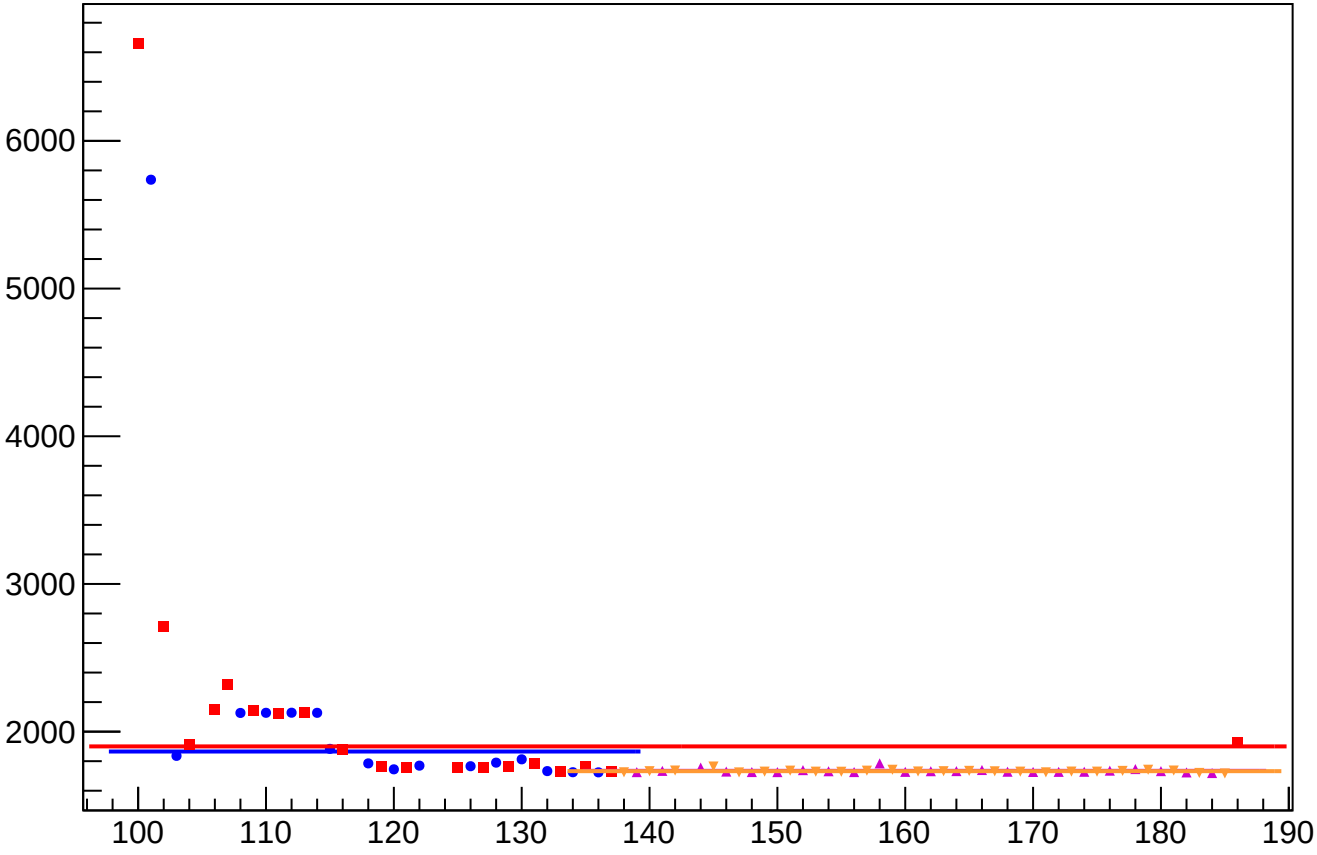
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 313.519+/-349.862 χ^2/NDF: 36.5/39

All: 32.227+/-247.448 χ^2/NDF: 84.3/81

- sign -249.331+/-350.027 χ^2/NDF: 46.4/41

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

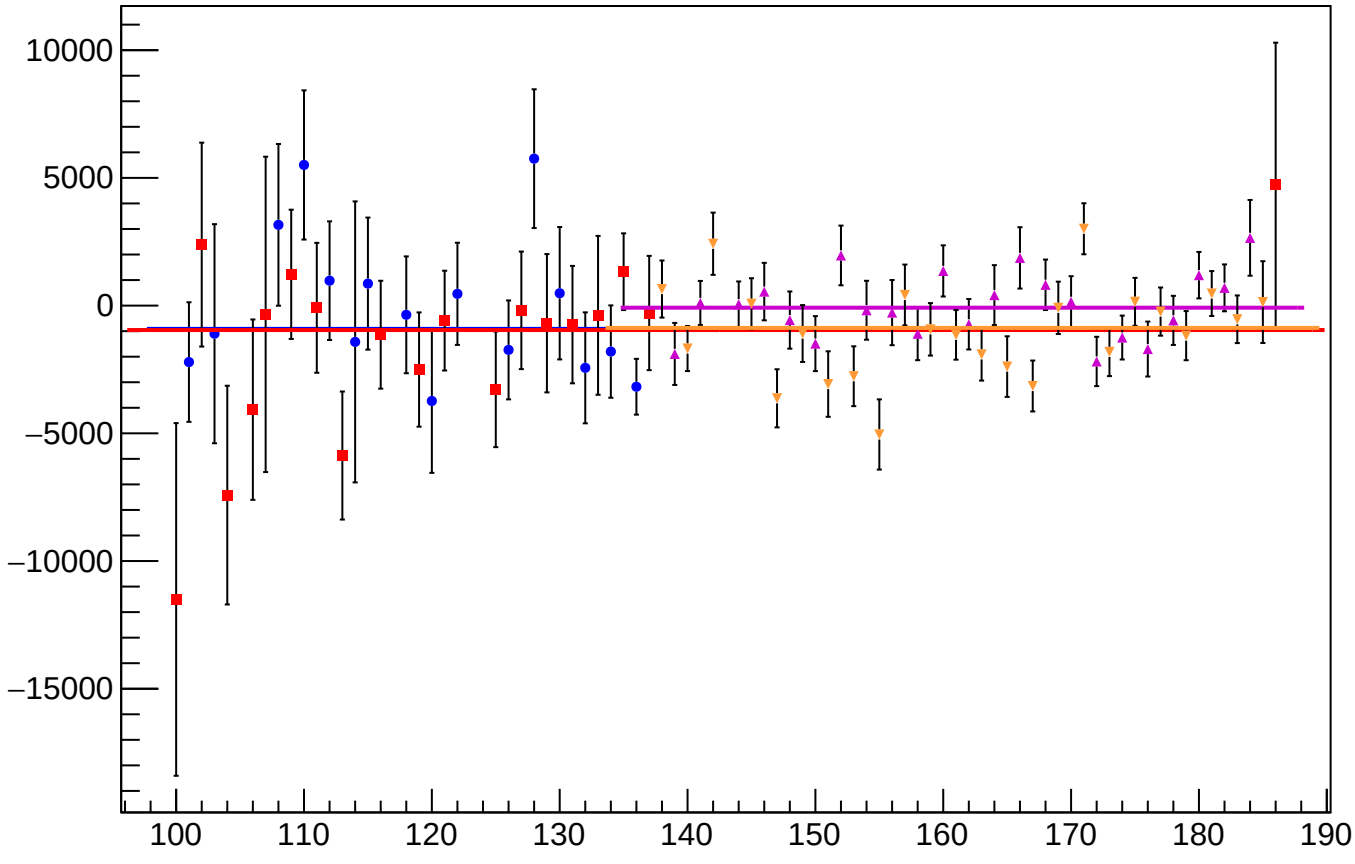
Right Out: 1900.082+/-0.492 χ^2/NDF: 269268.3/18

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1764.698+/-0.247 χ^2/NDF: 729083.7/39

All: 1770.570+/-0.175 χ^2/NDF: 1086217.2/81

- sign 1776.448+/-0.248 χ^2/NDF: 356006.1/41



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: -956.008+/-588.290 χ^2/NDF: 16.0/18

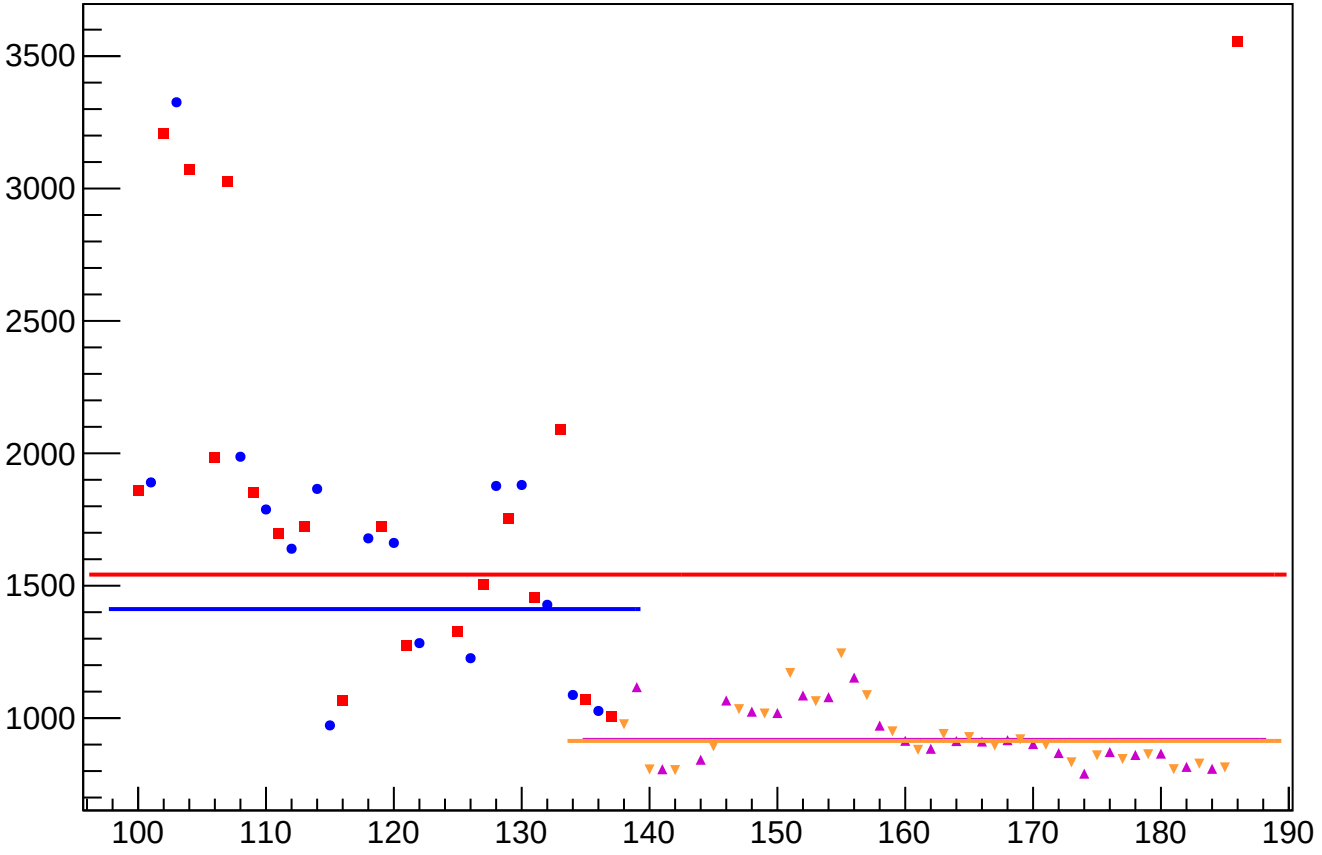
Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

\+ sign -877.828+/-199.481 χ^2/NDF: 83.0/39

All: -537.109+/-142.176 χ^2/NDF: 136.8/81

\- sign -185.332+/-202.693 χ^2/NDF: 47.9/41

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

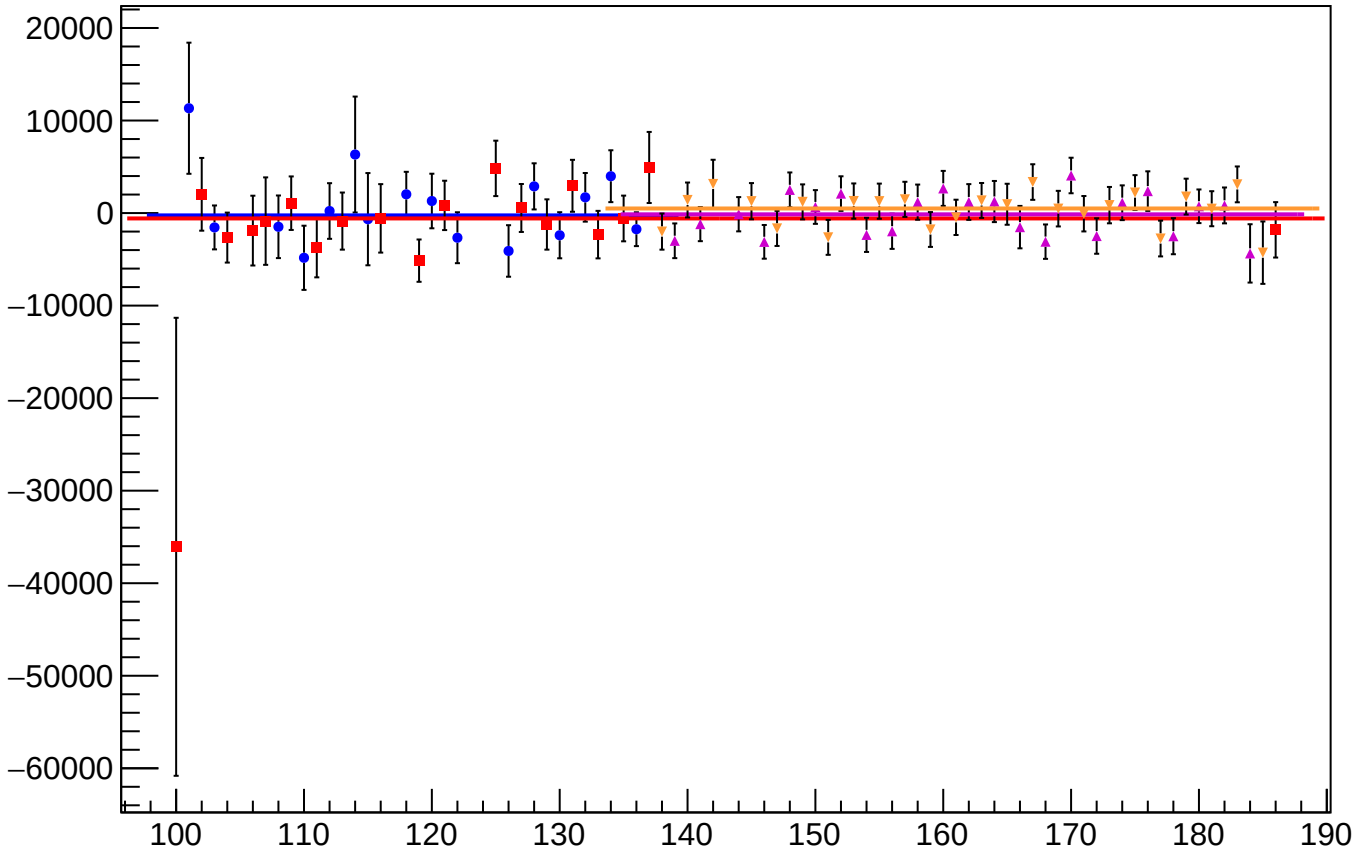
Right Out: 1542.017+/-0.416 χ^2/NDF: 1624276.8/18

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 979.190+/-0.141 χ^2/NDF: 3060069.2/39

All: 985.390+/-0.101 χ^2/NDF: 7104002.9/81

- sign 991.791+/-0.143 χ^2/NDF: 4040007.4/41



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -580.462+/-695.850 χ^2/NDF: 16.6/18

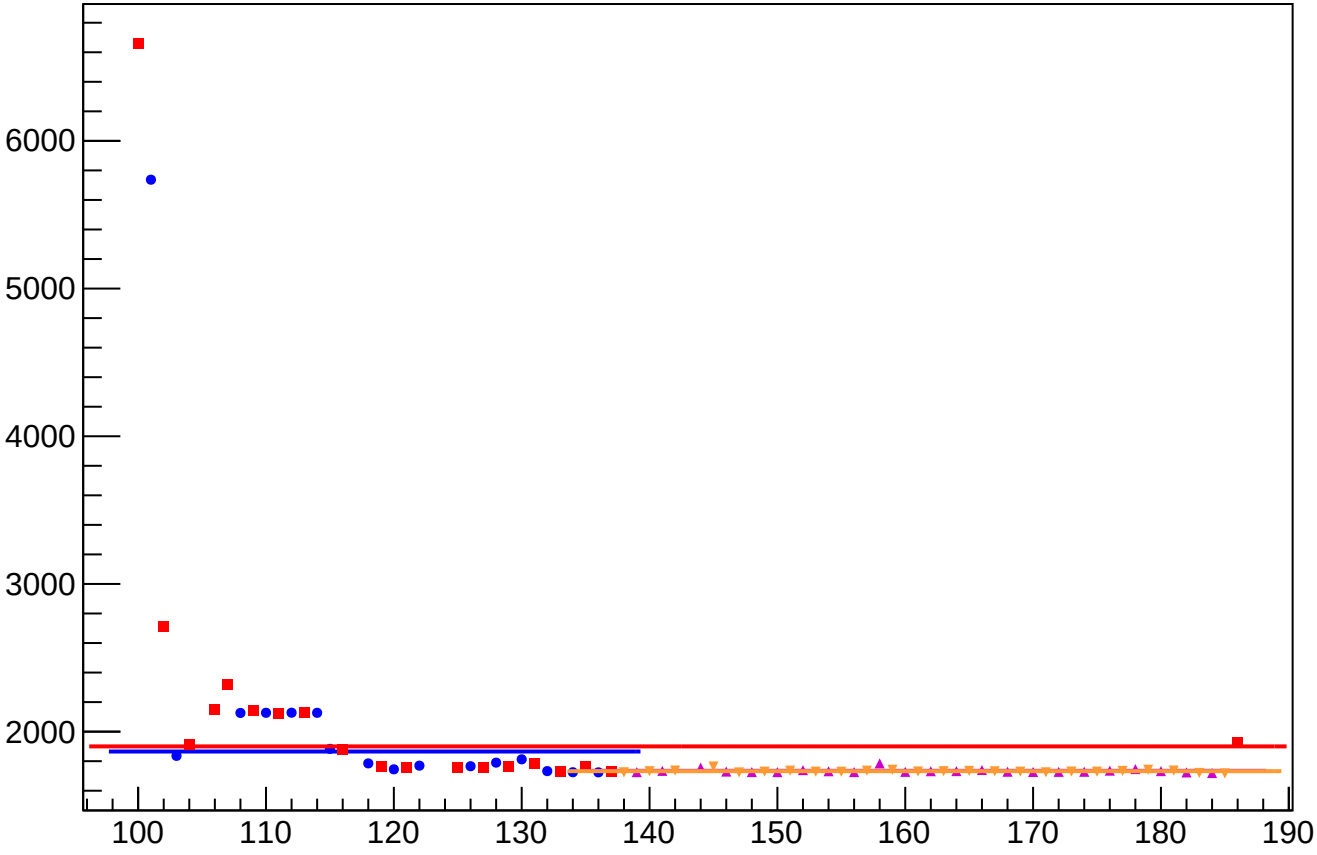
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 313.519+/-349.862 χ^2/NDF: 36.5/39

All: 32.227+/-247.448 χ^2/NDF: 84.3/81

- sign -249.331+/-350.027 χ^2/NDF: 46.4/41

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

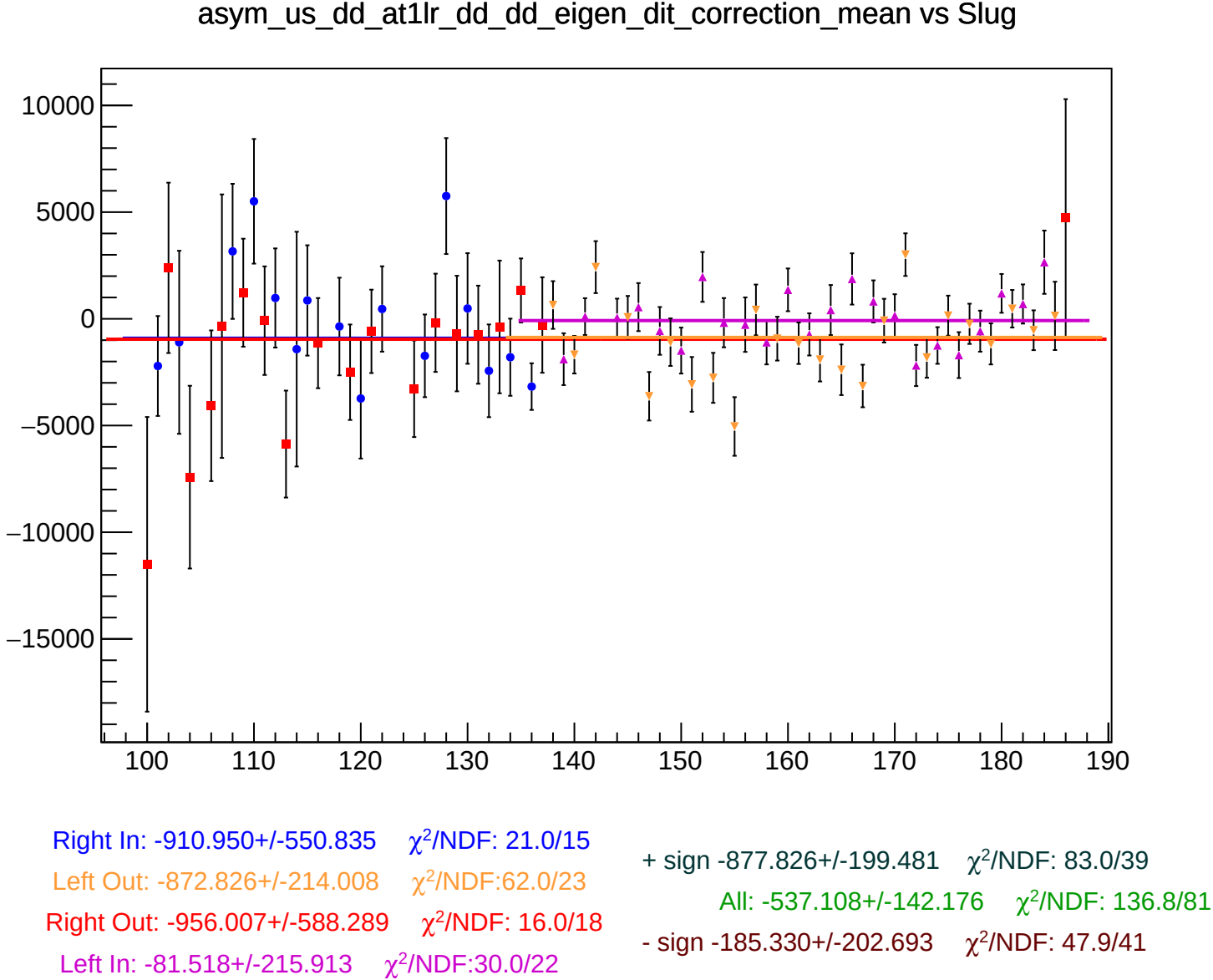
Right Out: 1900.082+/-0.492 χ^2/NDF: 269268.0/18

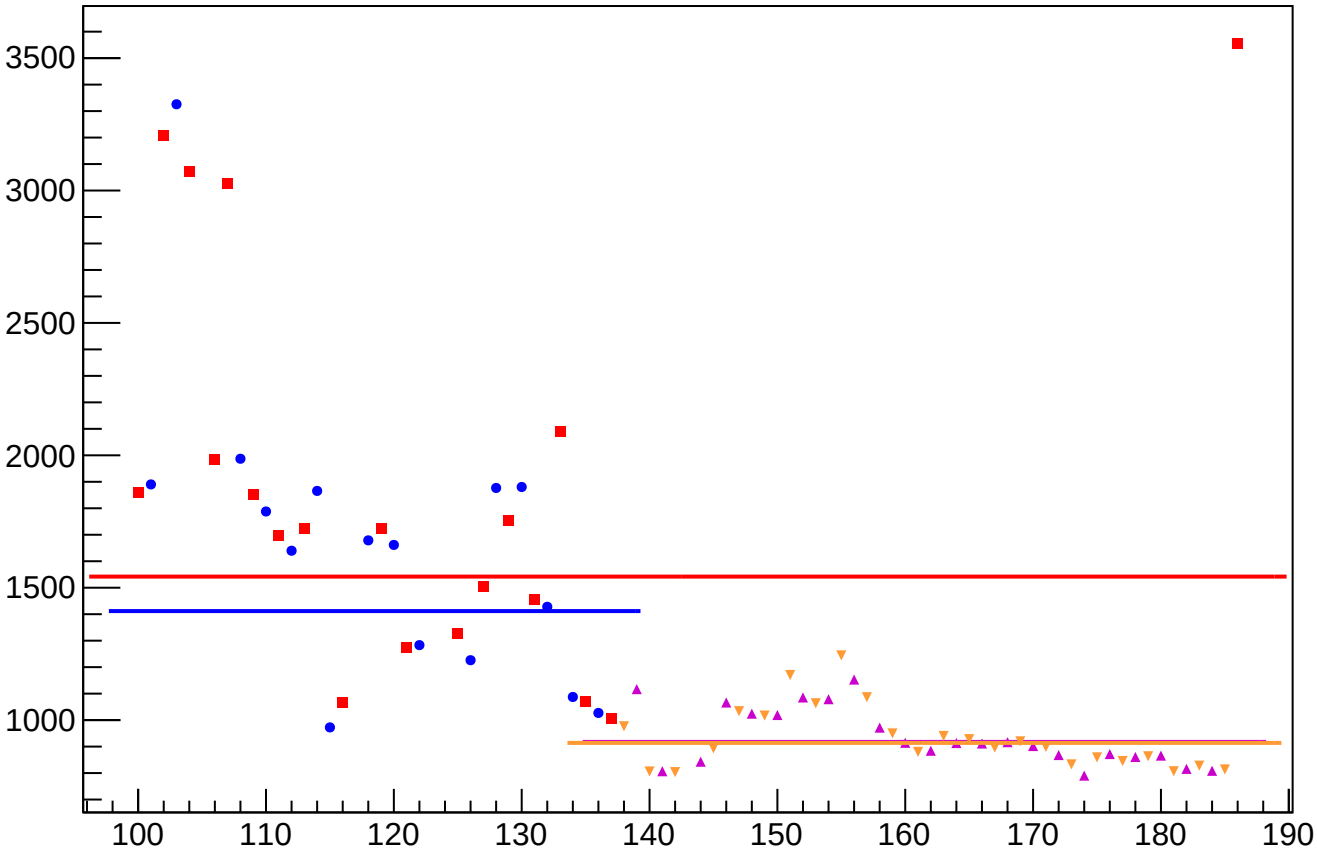
Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1764.698+/-0.247 χ^2/NDF: 729083.6/39

All: 1770.570+/-0.175 χ^2/NDF: 1086216.9/81

- 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: -910.950+/-550.835 χ²/NDF: 21.0/15
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 -877.826+/-199.481 χ²/NDF: 83.0/39
All: -537.108+/-142.176 χ²/NDF: 136.8/81
- sign -185.330+/-202.693 χ²/NDF: 47.9/41



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1542.014+/-0.416 χ^2/NDF: 1624281.7/18

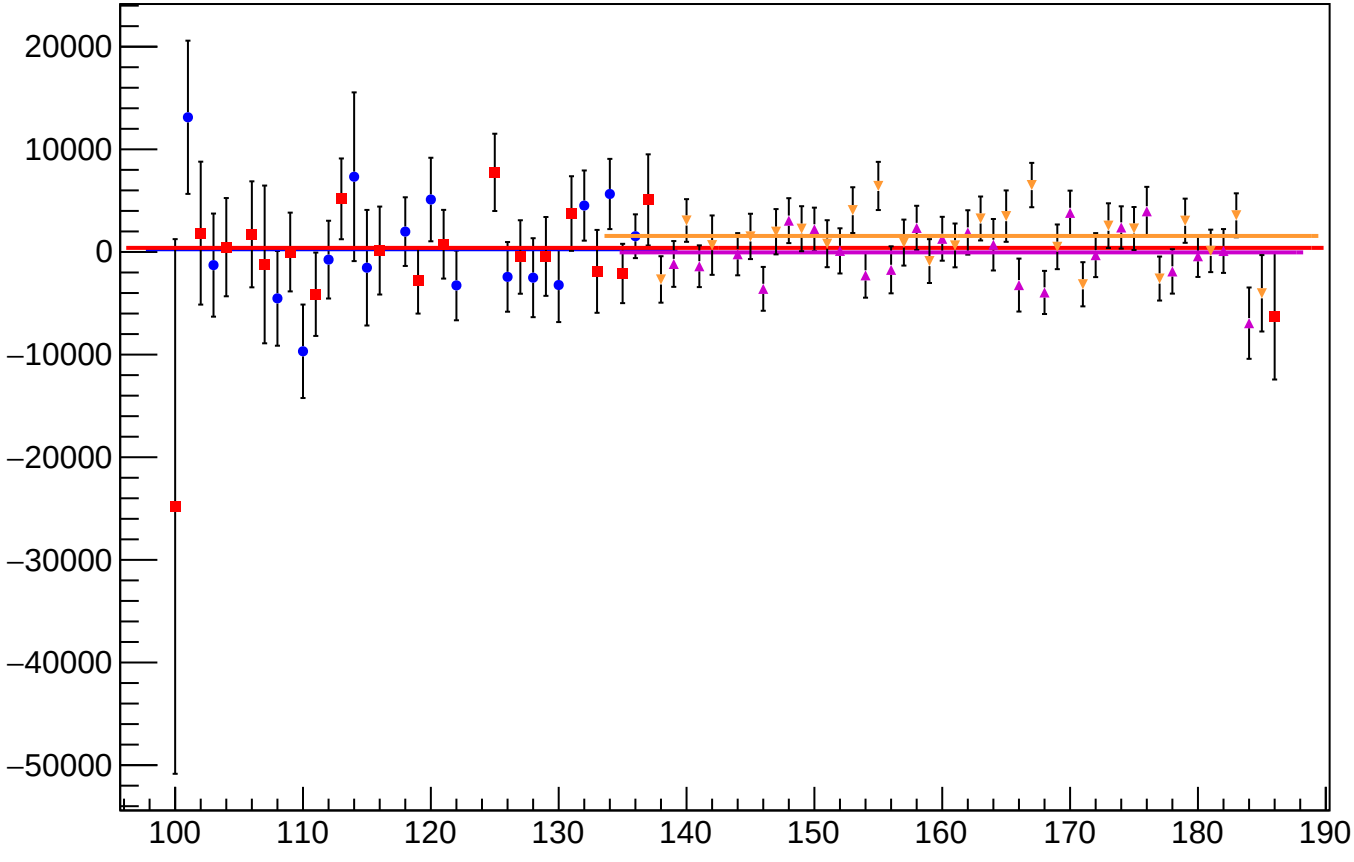
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

\+ sign 979.190+/-0.141 χ^2/NDF: 3060067.1/39

All: 985.389+/-0.101 χ^2/NDF: 7104007.8/81

\- sign 991.790+/-0.143 χ^2/NDF: 4040014.4/41

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 398.768+/-951.422 χ^2/NDF: 12.9/18

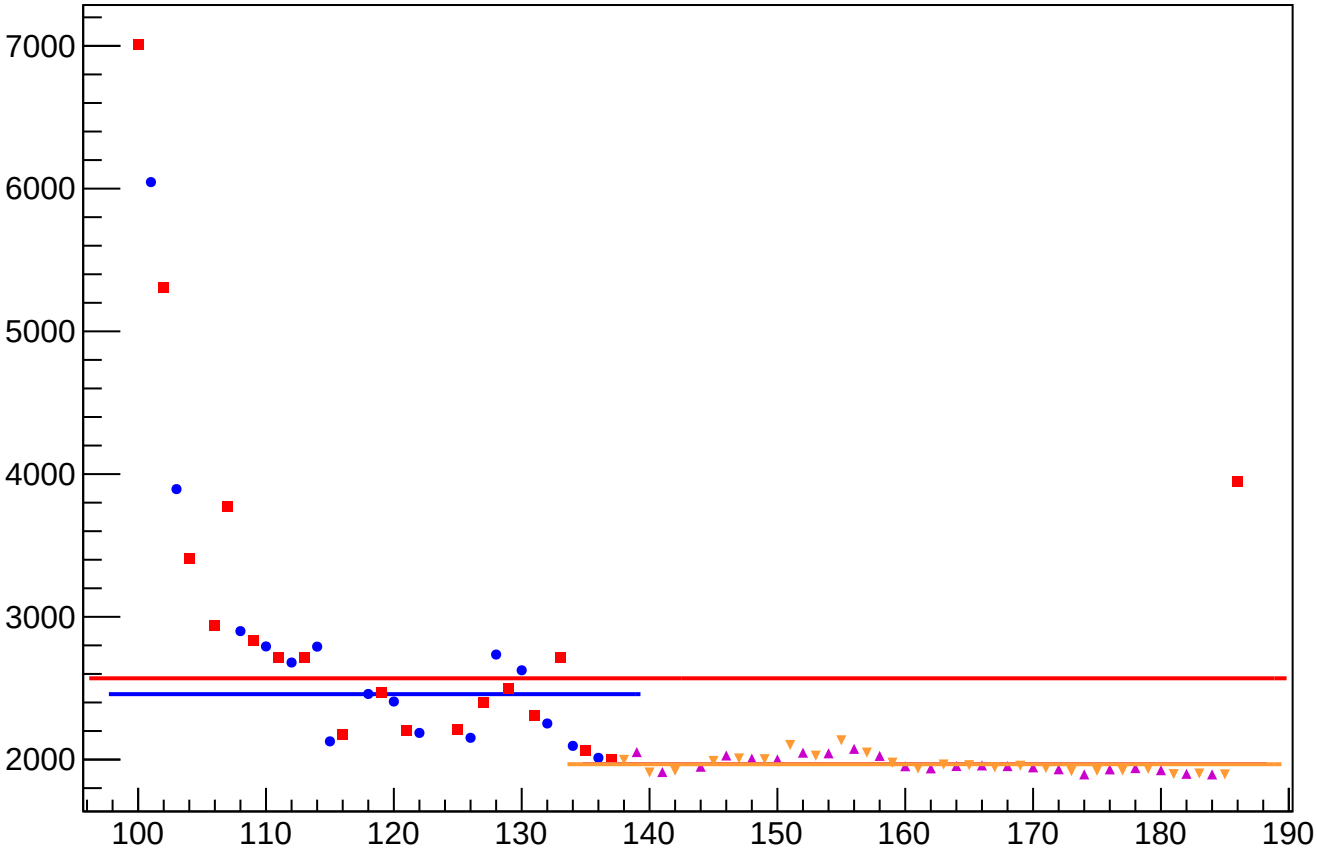
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1314.353+/-411.081 χ^2/NDF: 51.8/39

All: 683.416+/-291.736 χ^2/NDF: 97.5/81

- sign 43.208+/-414.090 χ^2/NDF: 40.9/41

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

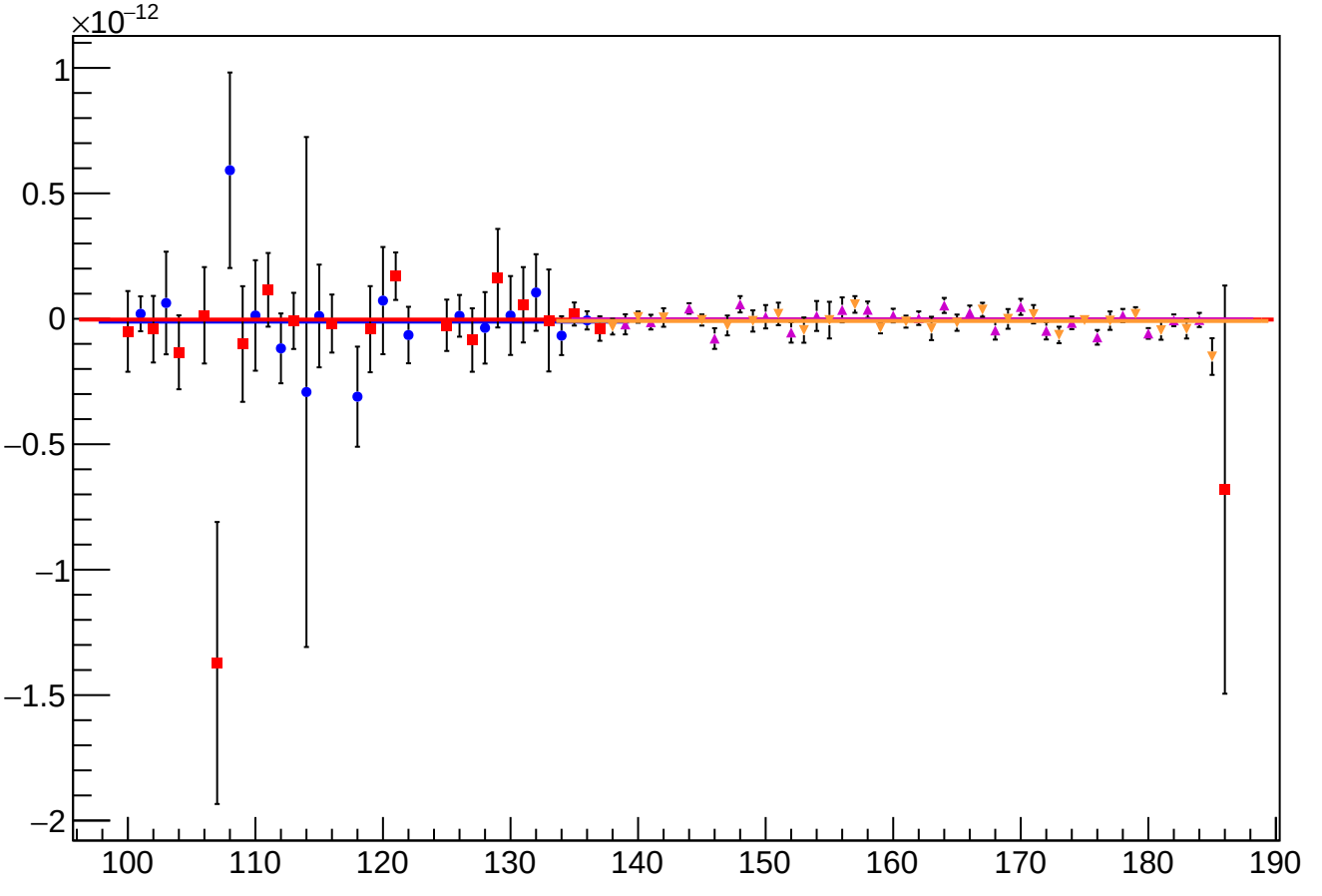
Right Out: 2569.371+/-0.673 χ^2/NDF: 775644.7/18

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2060.909+/-0.291 χ^2/NDF: 1306857.9/39

All: 2071.747+/-0.206 χ^2/NDF: 2757310.3/81

- sign 2082.745+/-0.293 χ^2/NDF: 1447651.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

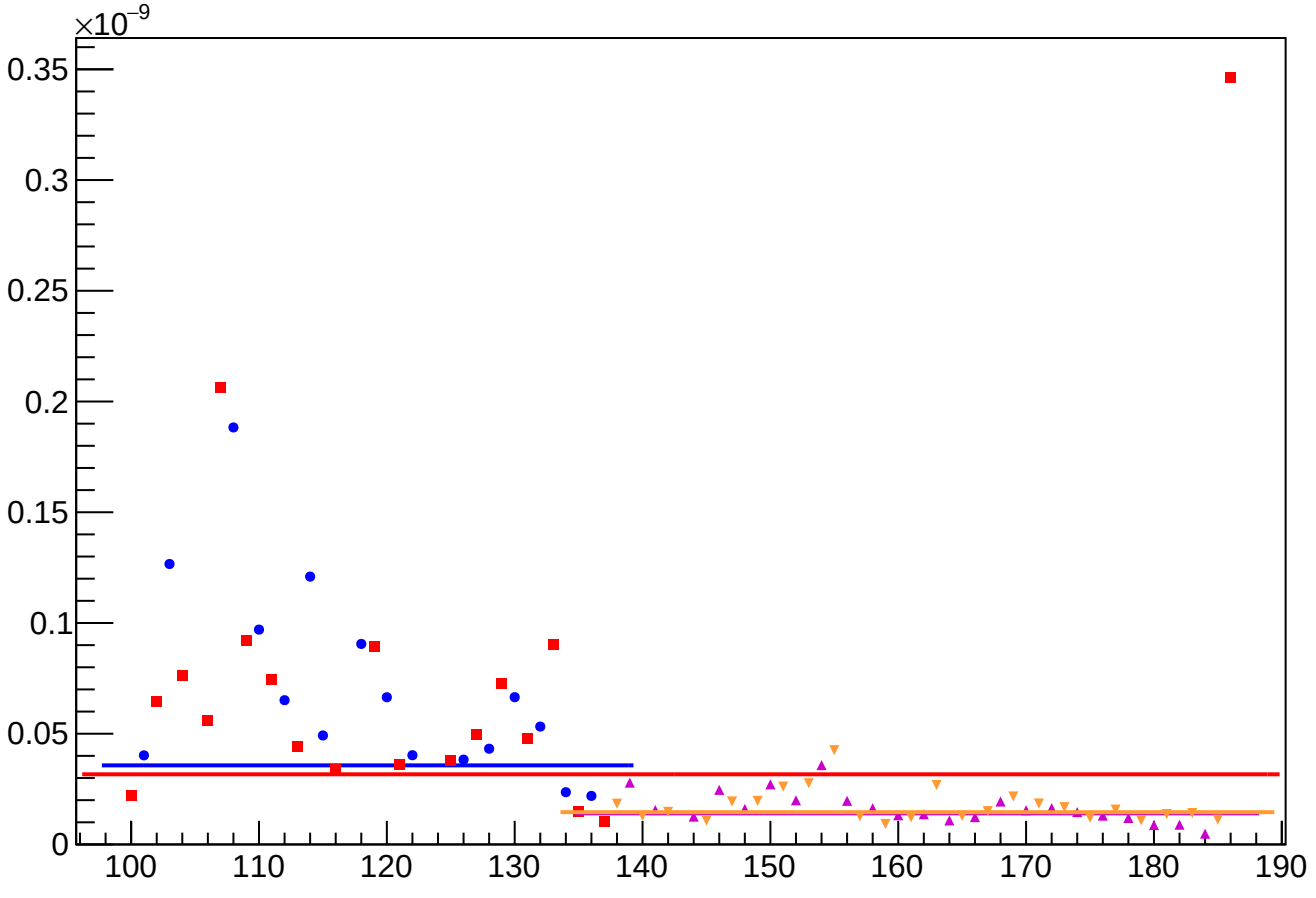
Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 28.1/39

All: -0.000+/-0.000 χ^2/NDF: 81.4/81

- sign -0.000+/-0.000 χ^2/NDF: 52.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

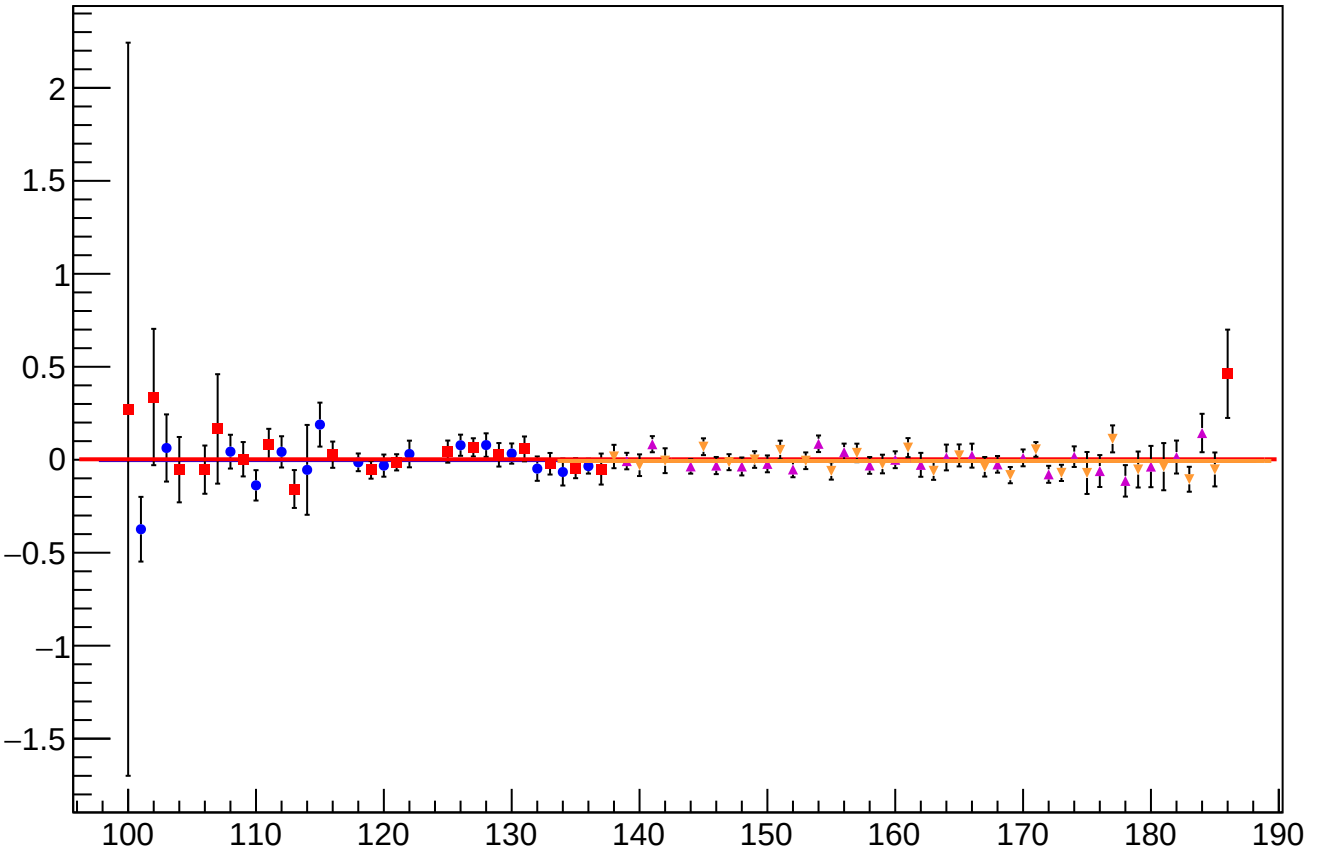
Right Out: 0.000+/-0.000 χ^2/NDF: 2368002.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 4186474.6/39

All: 0.000+/-0.000 χ^2/NDF: 8985892.6/81

- sign 0.000+/-0.000 χ^2/NDF: 4782289.5/41



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

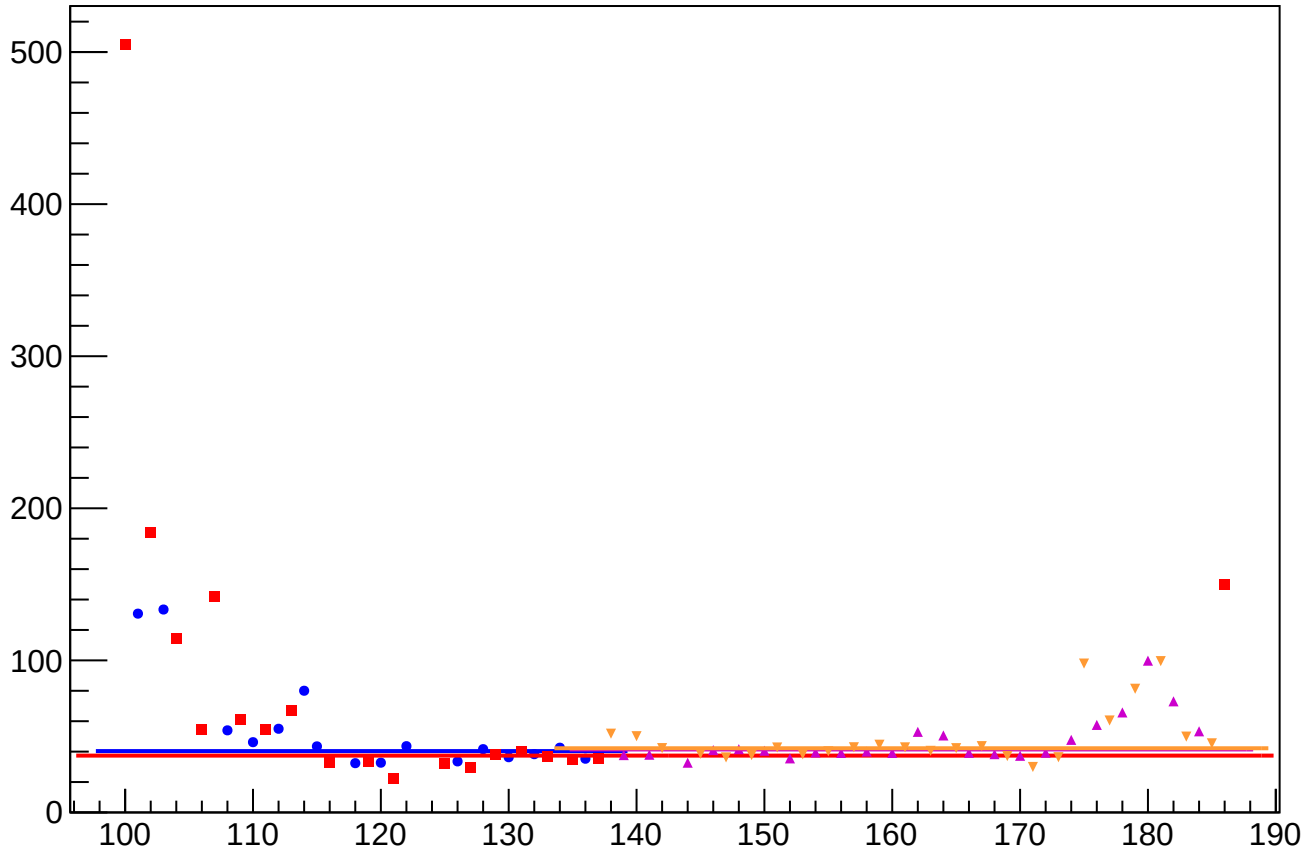
Right Out: 0.002+/-0.017 χ^2/NDF: 14.7/18

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.005+/-0.009 χ^2/NDF: 41.1/39

All: -0.004+/-0.006 χ^2/NDF: 76.1/81

- sign -0.004+/-0.009 χ^2/NDF: 34.9/41



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

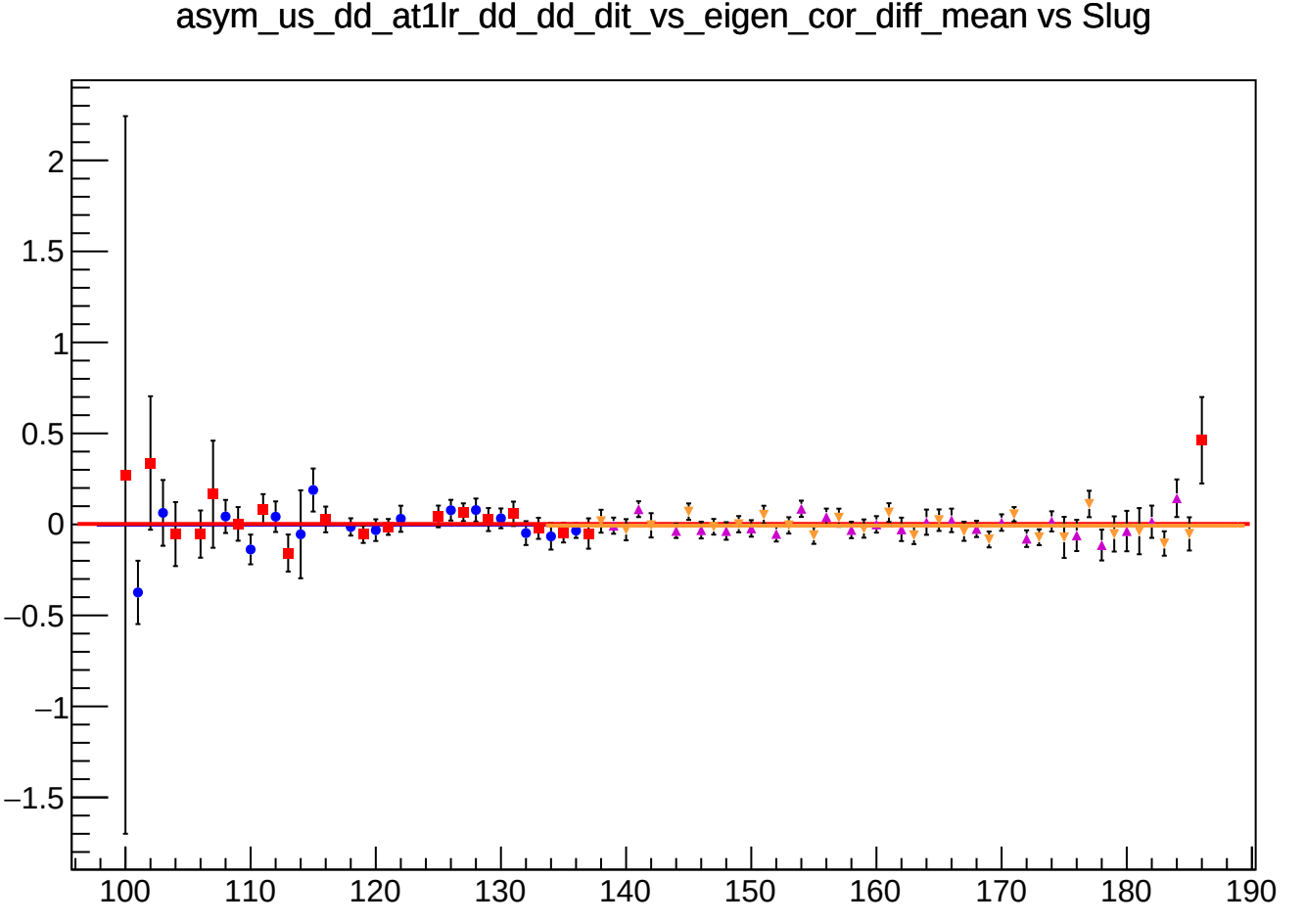
Right Out: 37.380+/-0.012 χ^2/NDF: 2289490.8/18

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.669+/-0.007 χ^2/NDF: 3246277.2/39

All: 40.936+/-0.005 χ^2/NDF: 7056247.8/81

- sign 40.230+/-0.006 χ^2/NDF: 3785028.8/41



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

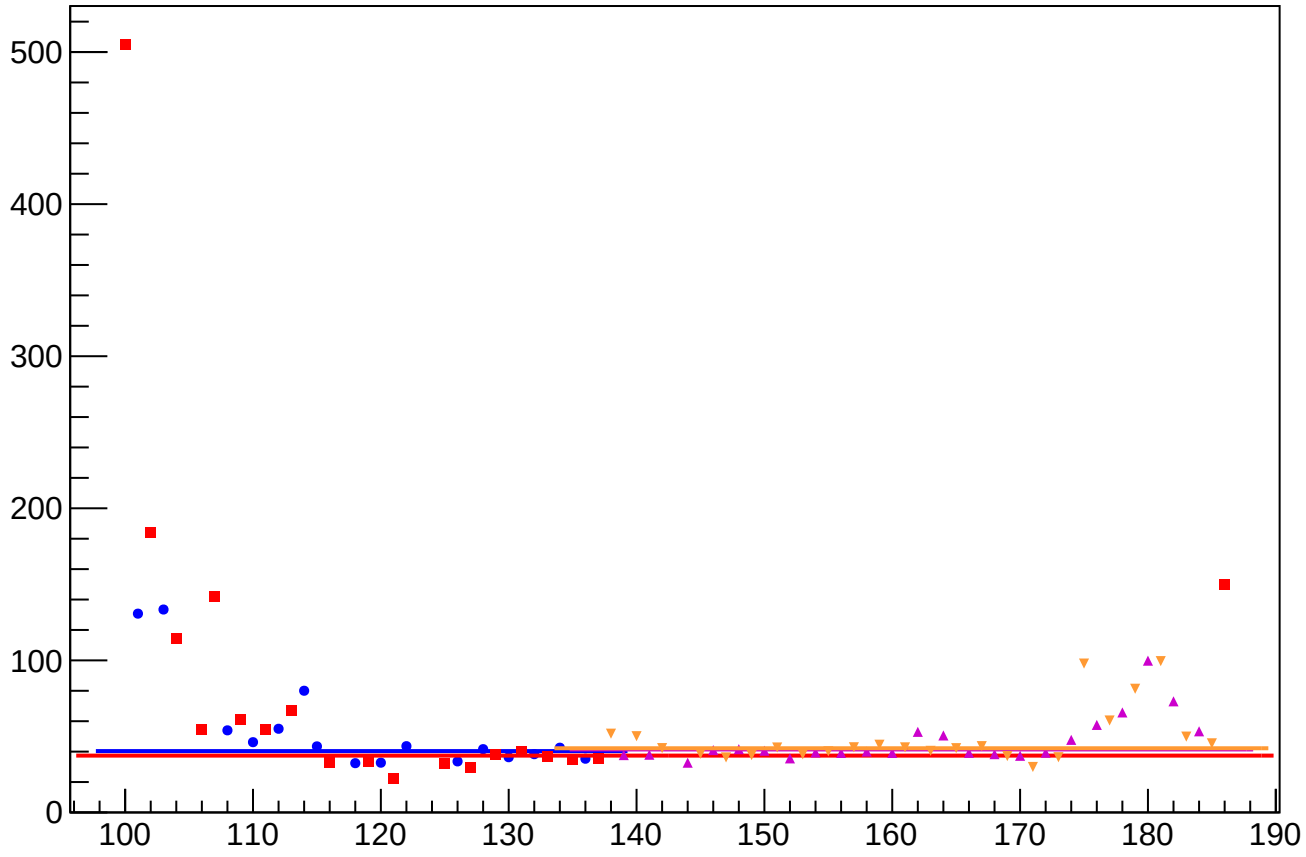
Right Out: 0.002+/-0.017 χ^2/NDF: 14.7/18

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.005+/-0.009 χ^2/NDF: 41.1/39

All: -0.004+/-0.006 χ^2/NDF: 76.1/81

- sign -0.004+/-0.009 χ^2/NDF: 34.9/41



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

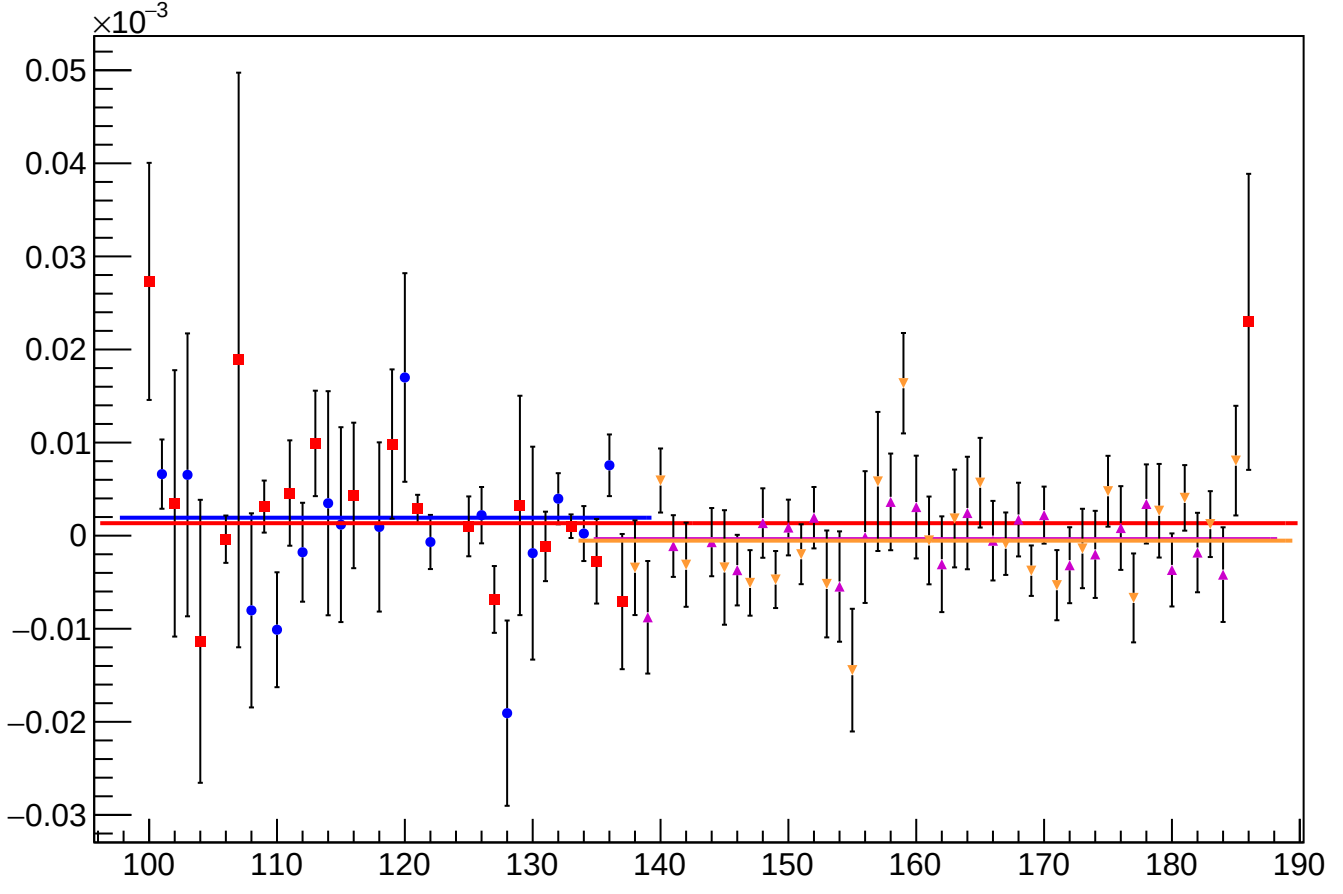
Right Out: 37.380+/-0.012 χ^2/NDF: 2289490.8/18

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

\+ sign 41.669+/-0.007 χ^2/NDF: 3246277.2/39

All: 40.936+/-0.005 χ^2/NDF: 7056247.8/81

\- sign 40.230+/-0.006 χ^2/NDF: 3785028.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

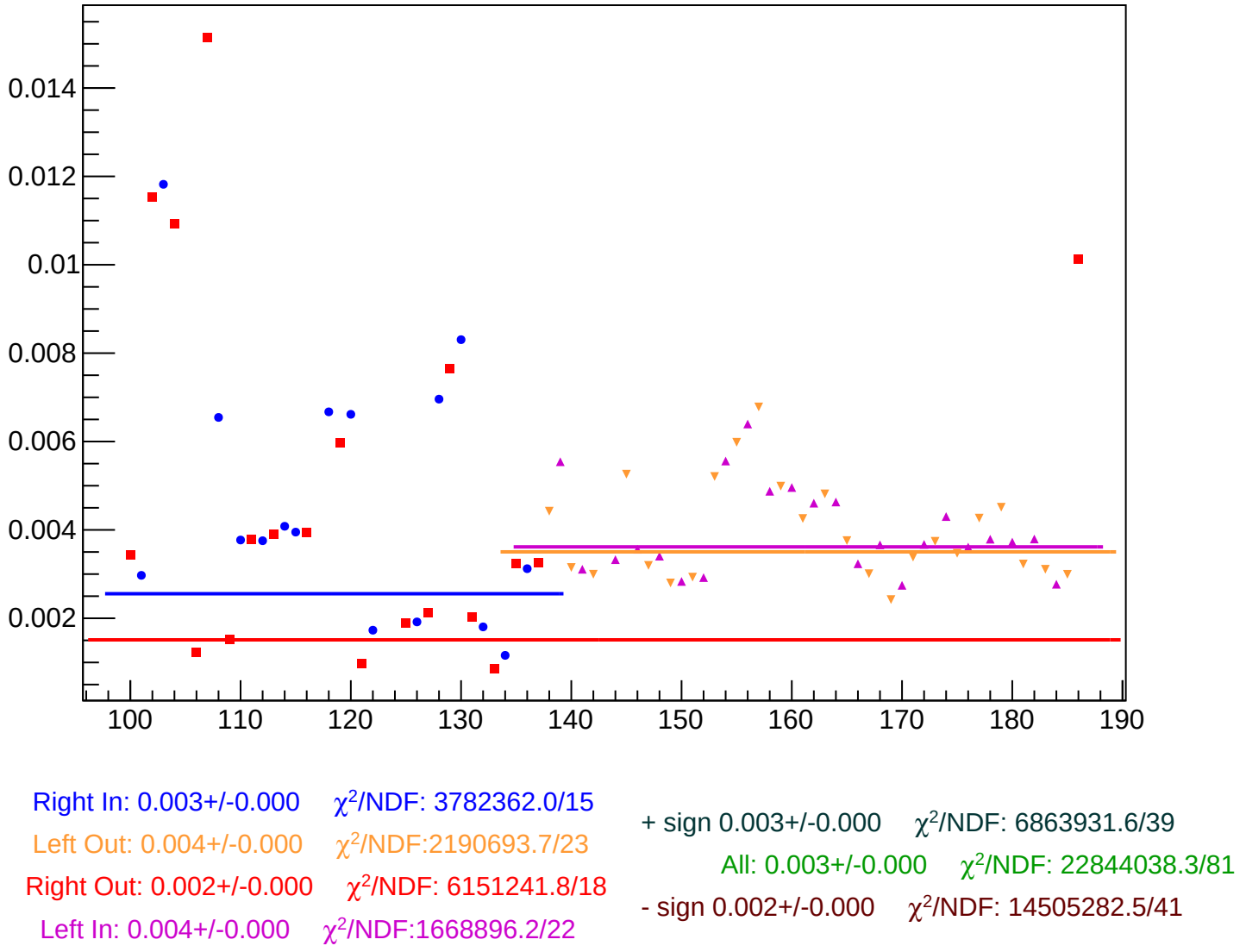
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

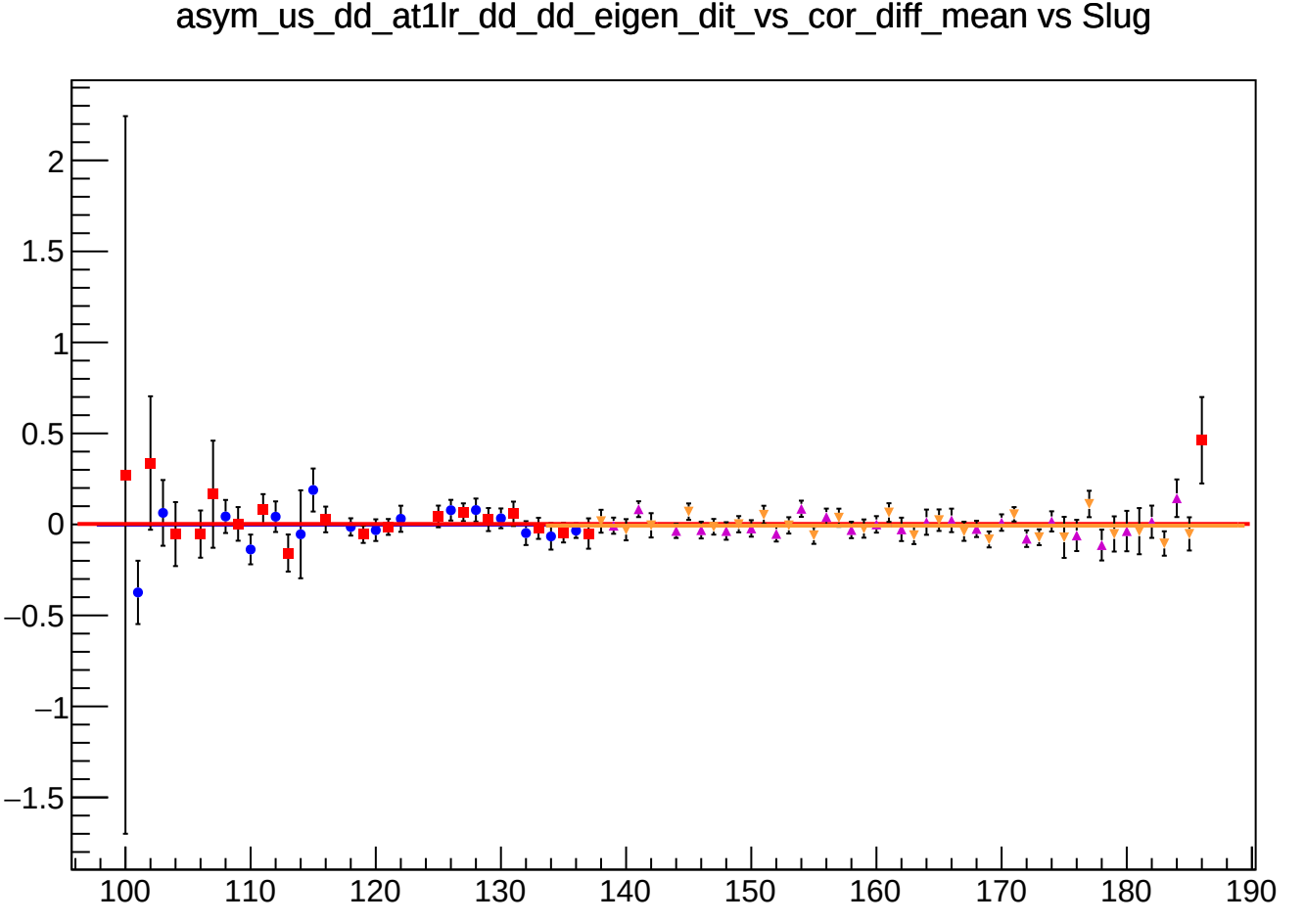
Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.7/39

All: 0.000+/-0.000 χ^2/NDF: 90.5/81

- sign 0.000+/-0.000 χ^2/NDF: 32.6/41


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
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: 3782362.0/15
Left Out: 0.004+/-0.000 χ²/NDF:2190693.7/23
Right Out: 0.002+/-0.000 χ²/NDF: 6151241.8/18
Left In: 0.004+/-0.000 χ²/NDF:1668896.2/22
+ sign 0.003+/-0.000 χ²/NDF: 6863931.6/39
All: 0.003+/-0.000 χ²/NDF: 22844038.3/81
- sign 0.002+/-0.000 χ²/NDF: 14505282.5/41



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

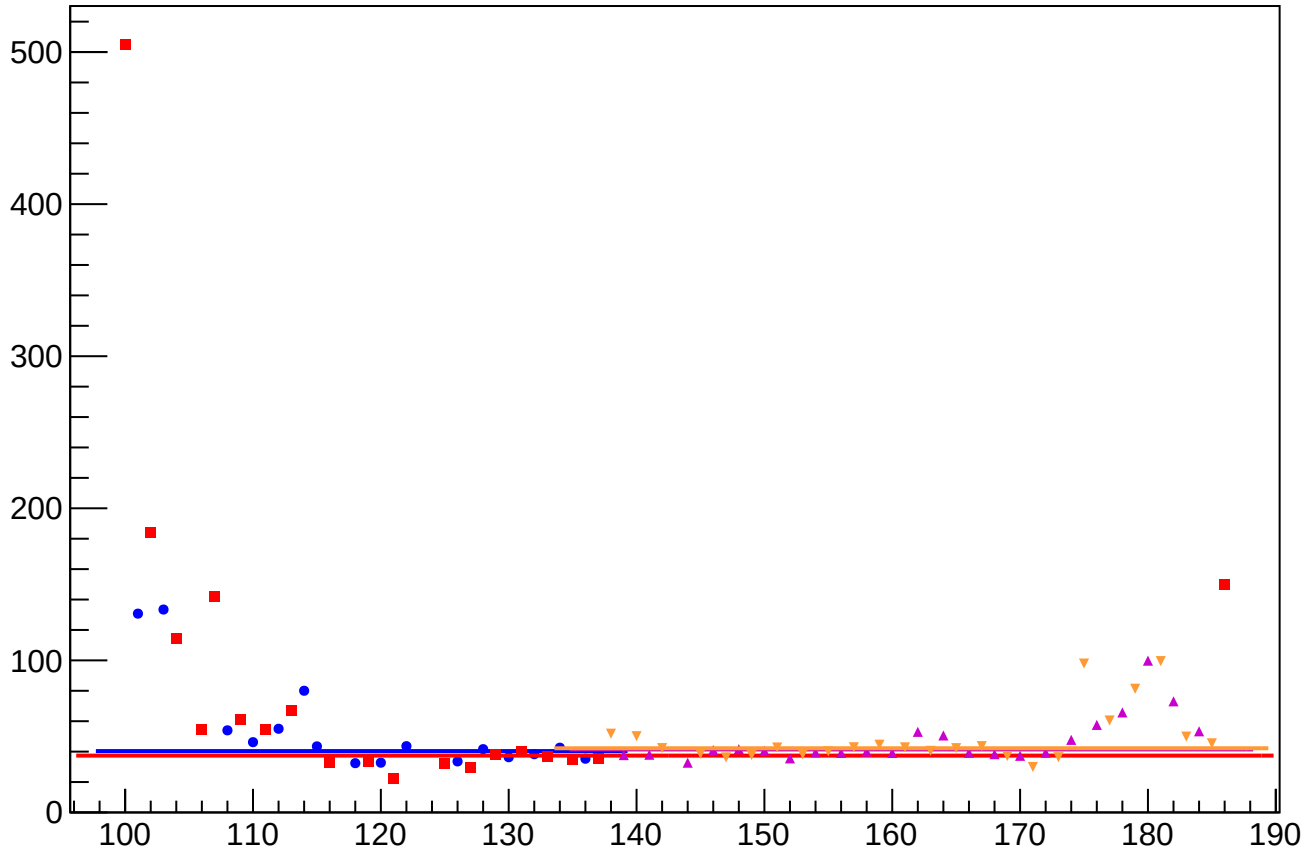
Right Out: 0.002+/-0.017 χ^2/NDF: 14.7/18

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.005+/-0.009 χ^2/NDF: 41.1/39

All: -0.004+/-0.006 χ^2/NDF: 76.1/81

- sign -0.004+/-0.009 χ^2/NDF: 34.9/41



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 37.379+/-0.012 χ^2/NDF: 2289496.7/18

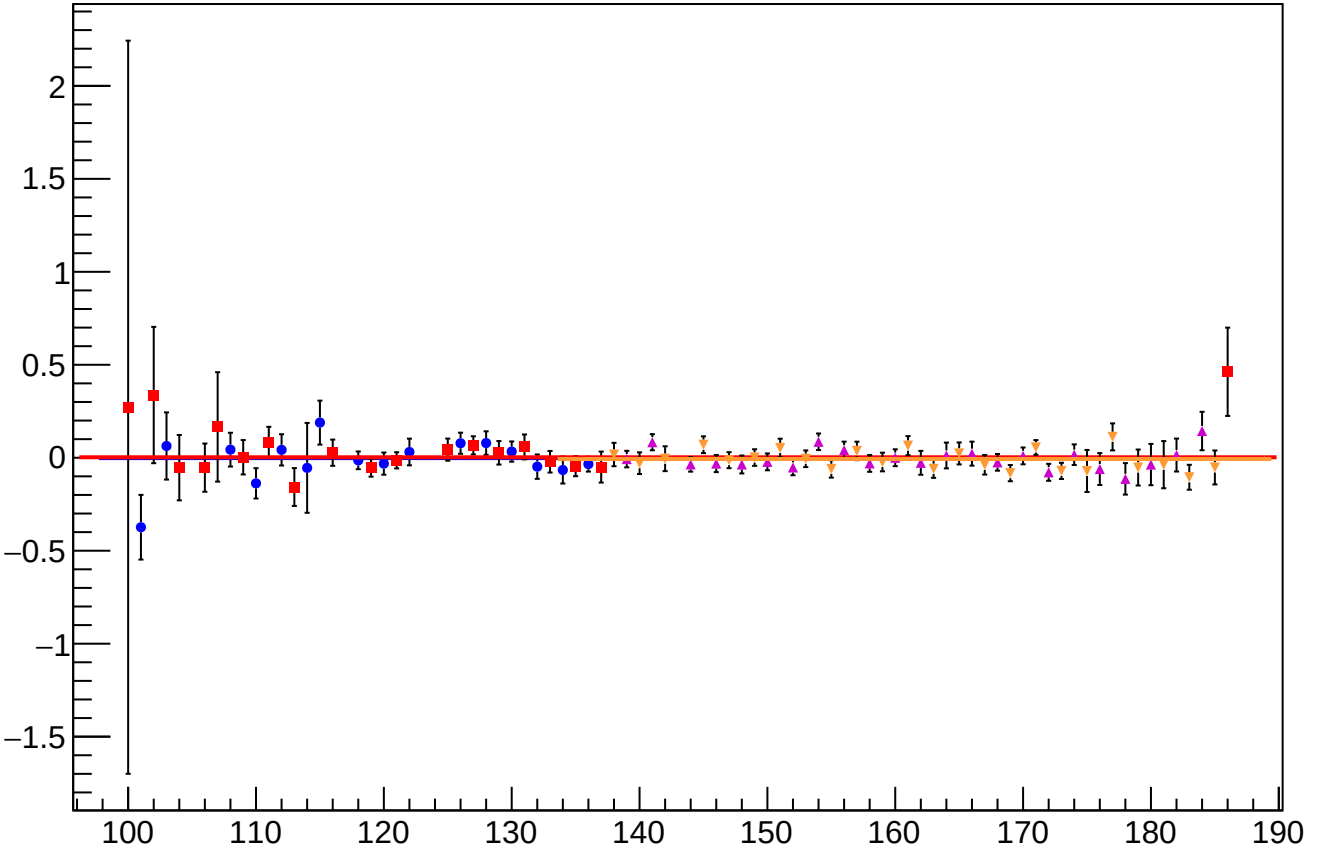
Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.669+/-0.007 χ^2/NDF: 3246168.6/39

All: 40.936+/-0.005 χ^2/NDF: 7056124.4/81

- 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: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

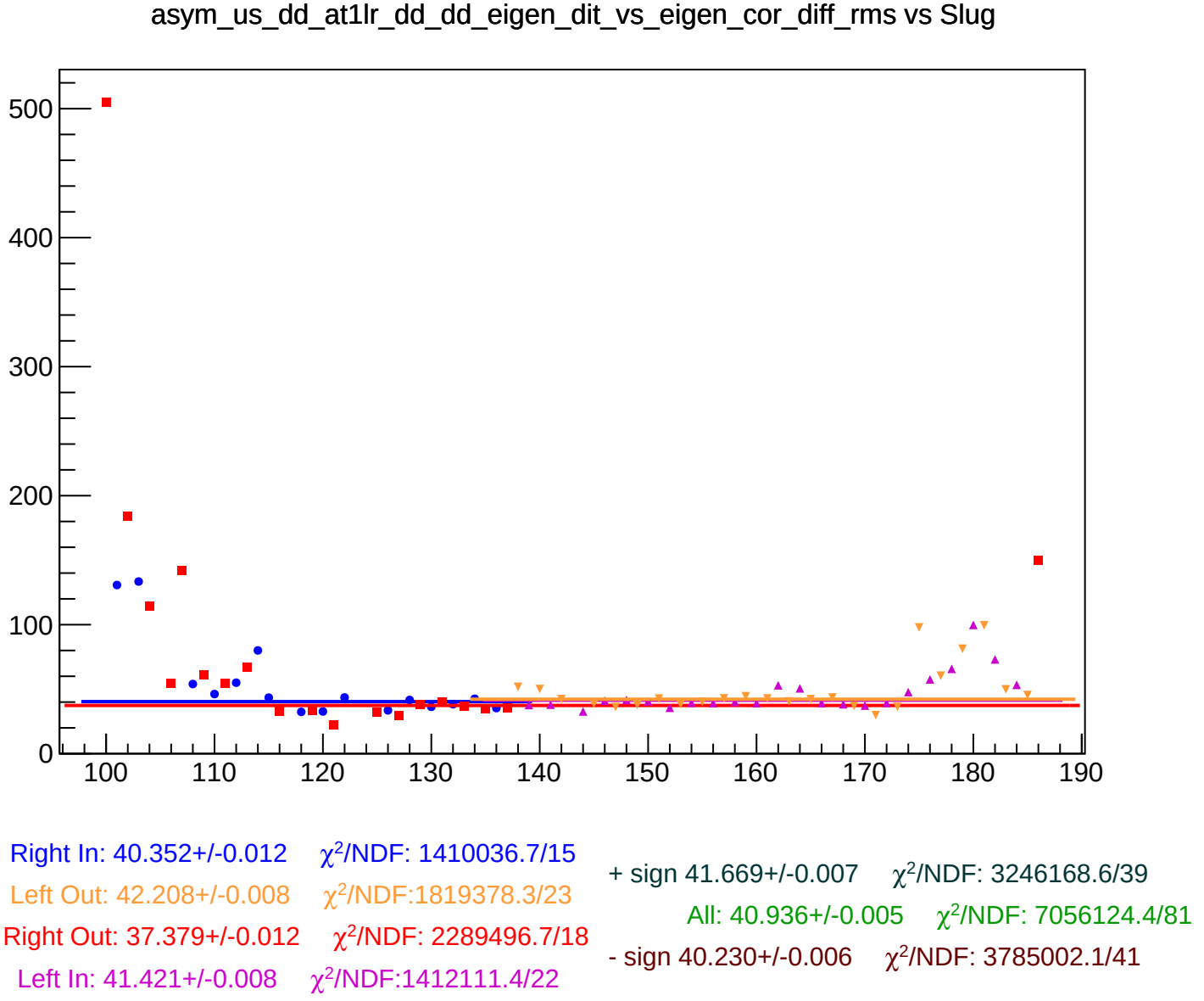
Right Out: 0.002+/-0.017 χ^2/NDF: 14.7/18

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.005+/-0.009 χ^2/NDF: 41.1/39

All: -0.004+/-0.006 χ^2/NDF: 76.1/81

- sign -0.004+/-0.009 χ^2/NDF: 34.9/41


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
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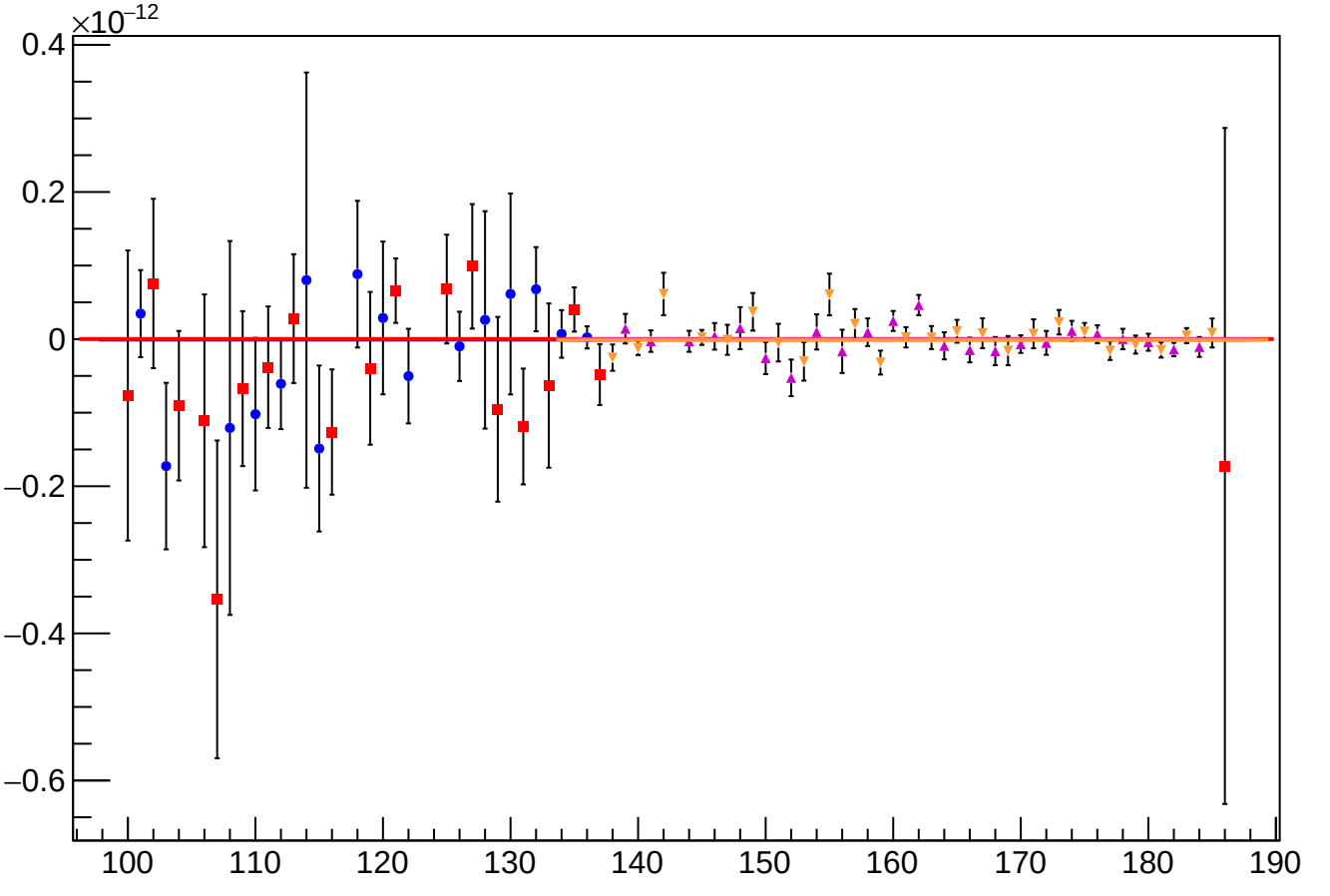
190
Right In: 40.352+/-0.012 χ²/NDF: 1410036.7/15
Left Out: 42.208+/-0.008 χ²/NDF:1819378.3/23
Right Out: 37.379+/-0.012 χ²/NDF: 2289496.7/18
Left In: 41.421+/-0.008 χ²/NDF:1412111.4/22
+ sign 41.669+/-0.007 χ²/NDF: 3246168.6/39
All: 40.936+/-0.005 χ²/NDF: 7056124.4/81
- sign 40.230+/-0.006 χ²/NDF: 3785002.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

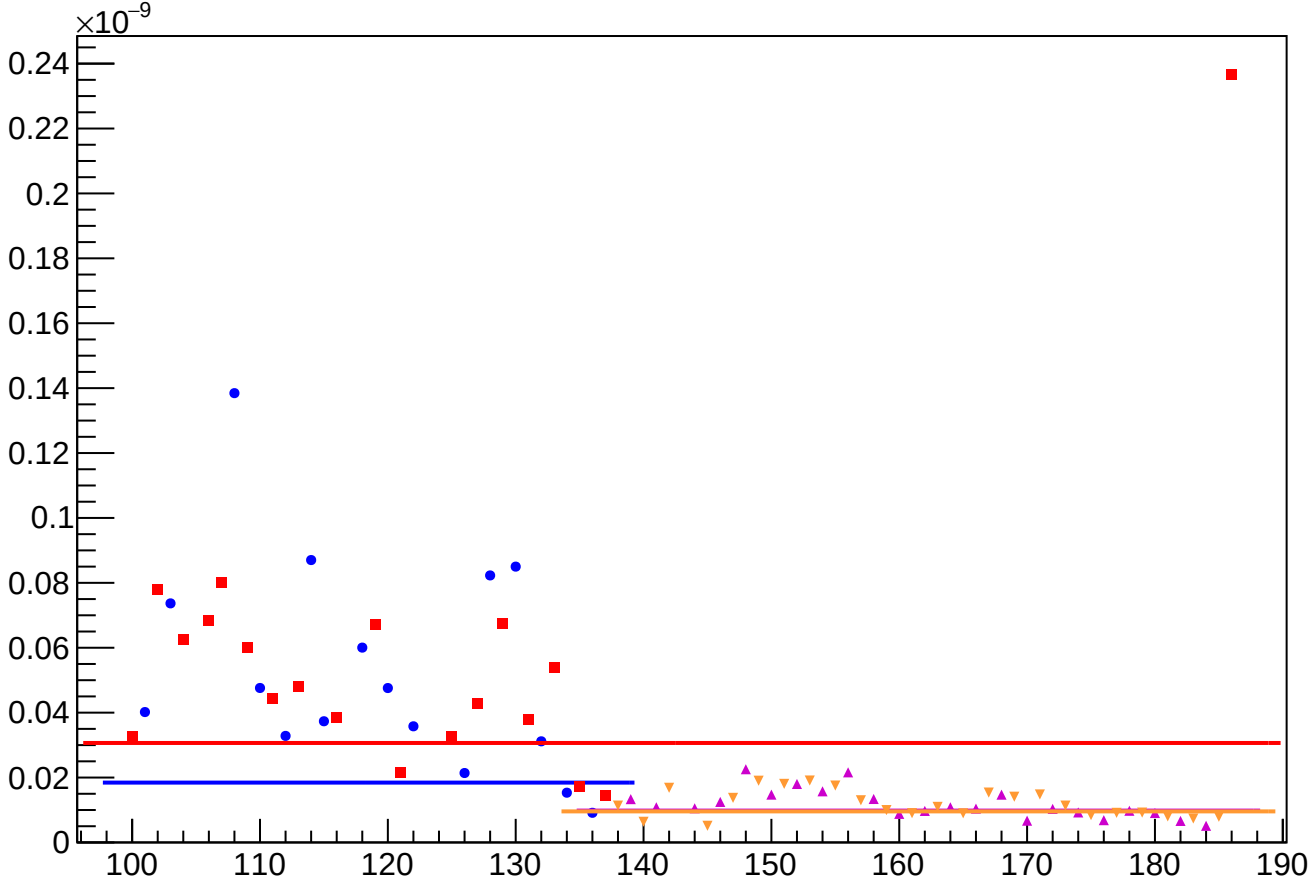
Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/39

All: -0.000+/-0.000 χ^2/NDF: 86.2/81

- sign -0.000+/-0.000 χ^2/NDF: 46.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2789416.6/18

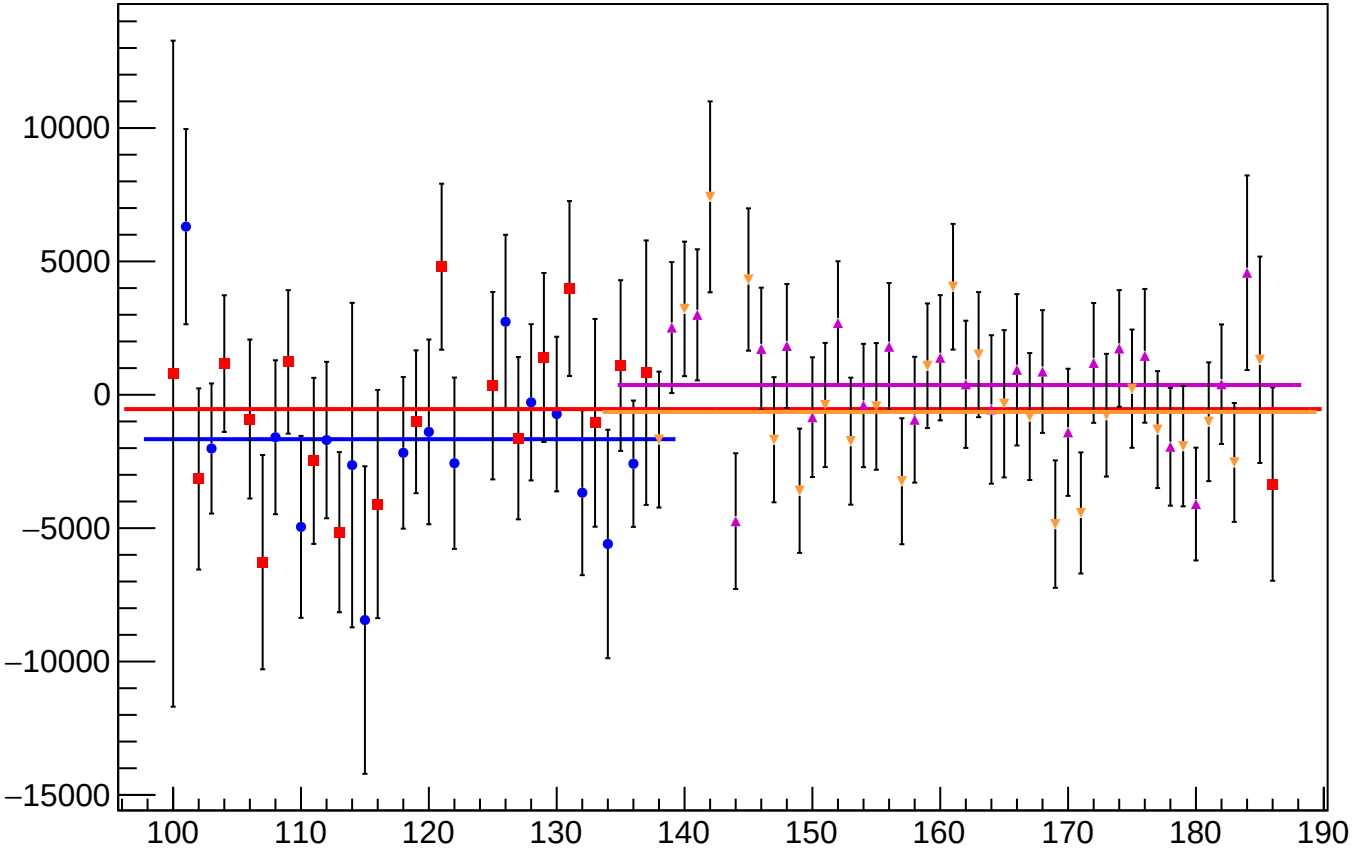
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7568319.5/39

All: 0.000+/-0.000 χ^2/NDF: 15719465.6/81

- sign 0.000+/-0.000 χ^2/NDF: 8132972.6/41

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -535.976+/-759.894 χ^2/NDF: 13.4/18

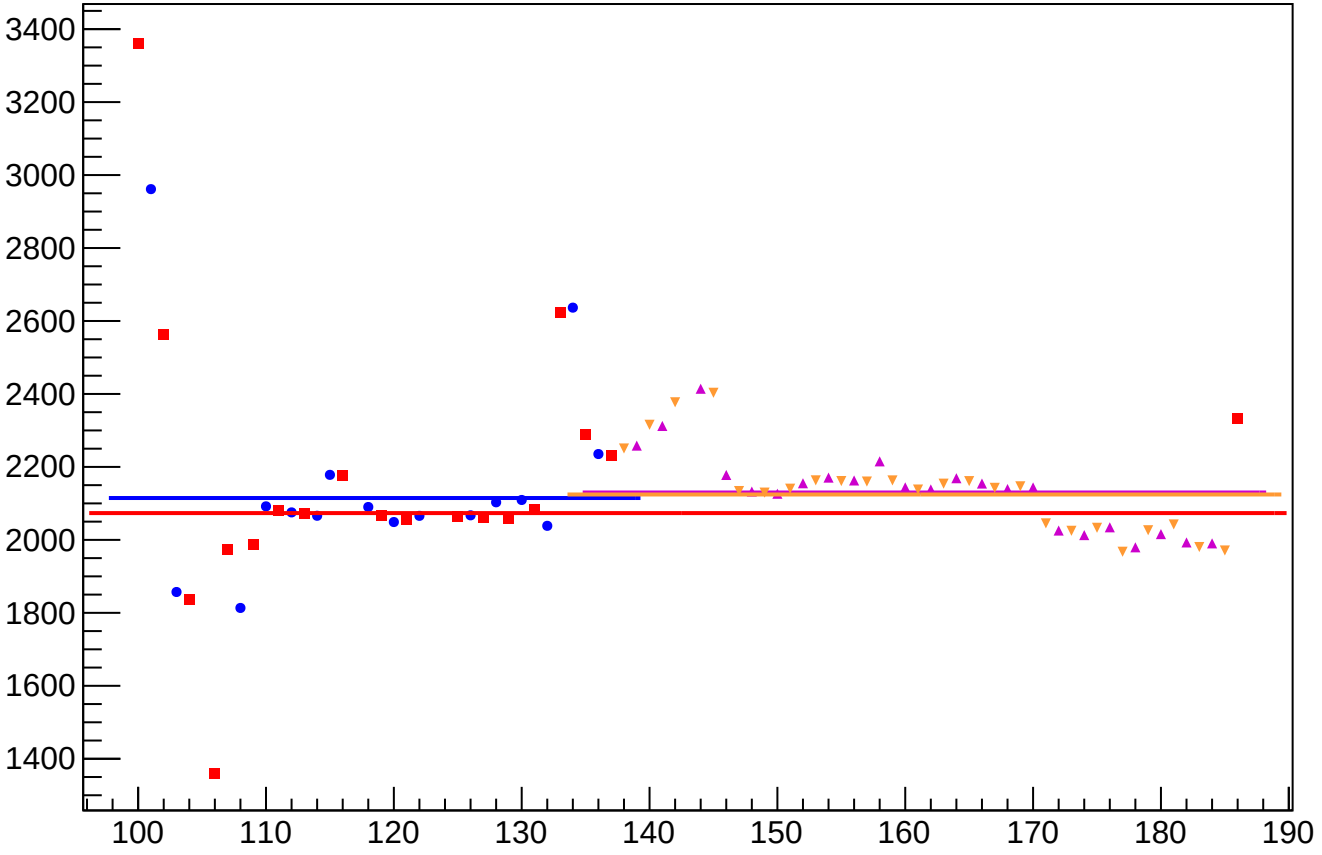
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -929.283+/-418.978 χ^2/NDF: 39.1/39

All: -413.749+/-295.369 χ^2/NDF: 73.8/81

- sign 95.611+/-416.462 χ^2/NDF: 31.7/41

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

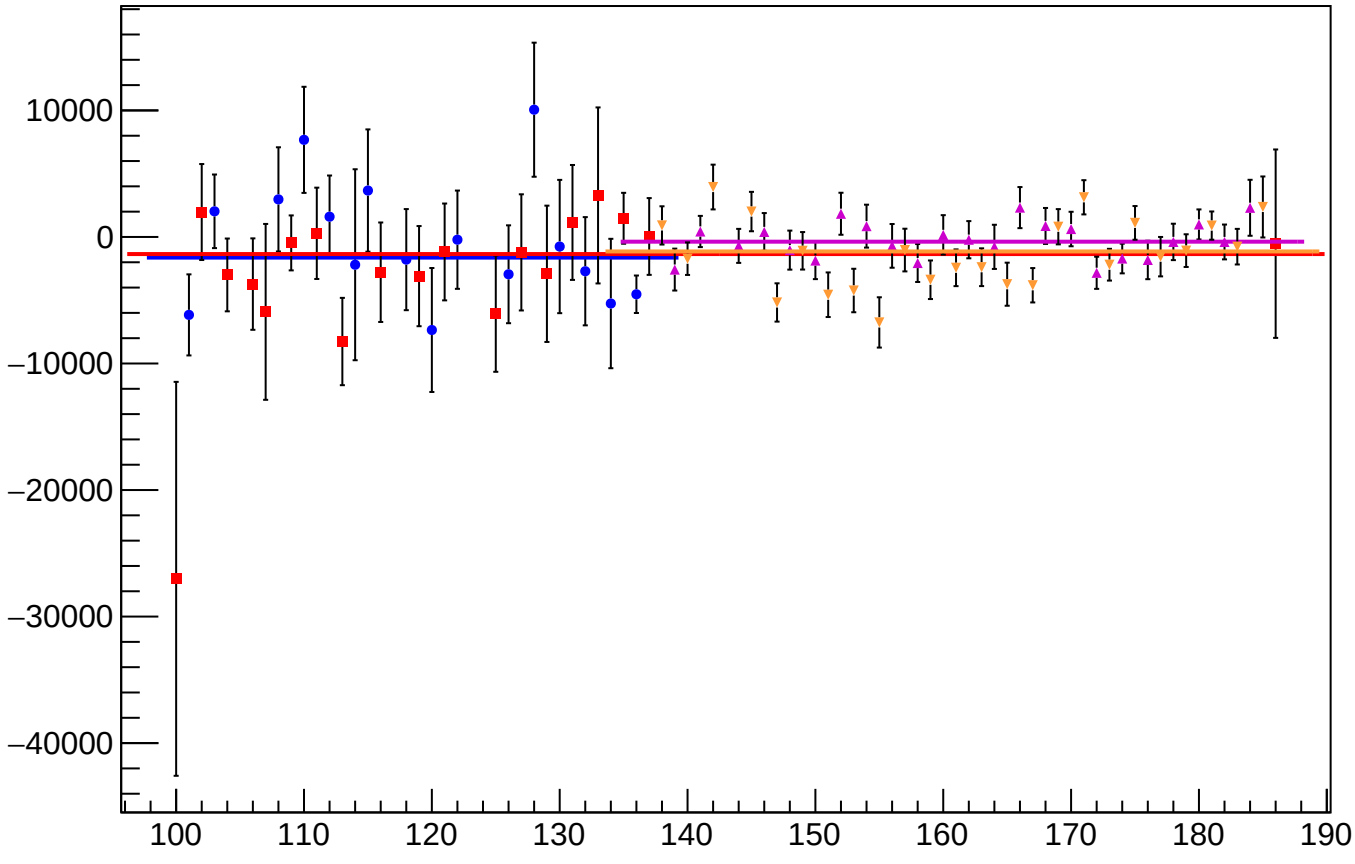
Right Out: 2073.449+/-0.537 χ^2/NDF: 259840.3/18

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2121.729+/-0.296 χ^2/NDF: 279319.8/39

All: 2117.309+/-0.209 χ^2/NDF: 632678.3/81

- sign 2112.942+/-0.294 χ^2/NDF: 352916.1/41



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

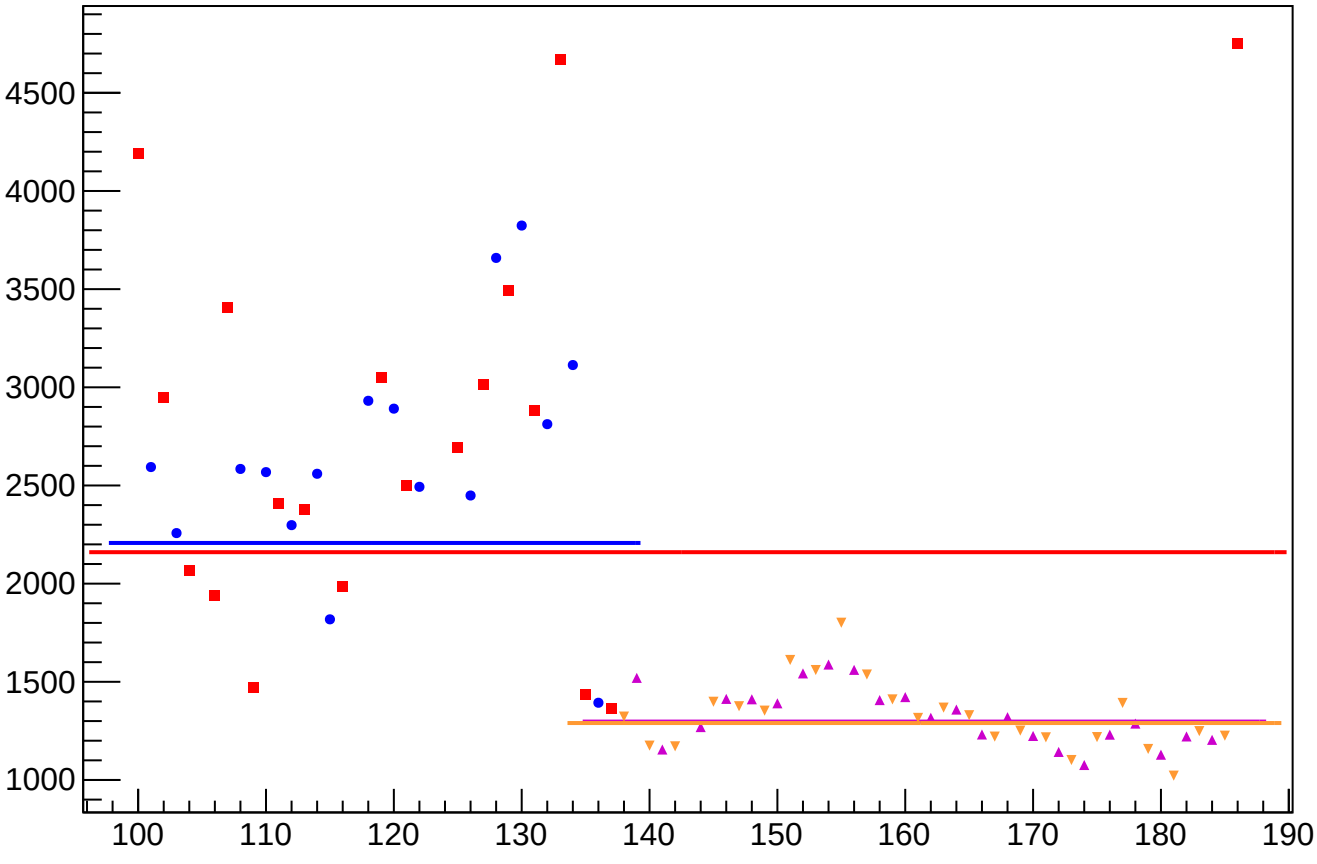
Right Out: -1351.382+/-835.113 χ^2/NDF: 13.5/18

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1198.018+/-285.440 χ^2/NDF: 90.6/39

All: -845.032+/-202.317 χ^2/NDF: 128.7/81

- sign -488.662+/-286.804 χ^2/NDF: 35.0/41



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2160.228+/-0.591 χ^2/NDF: 1703175.4/18

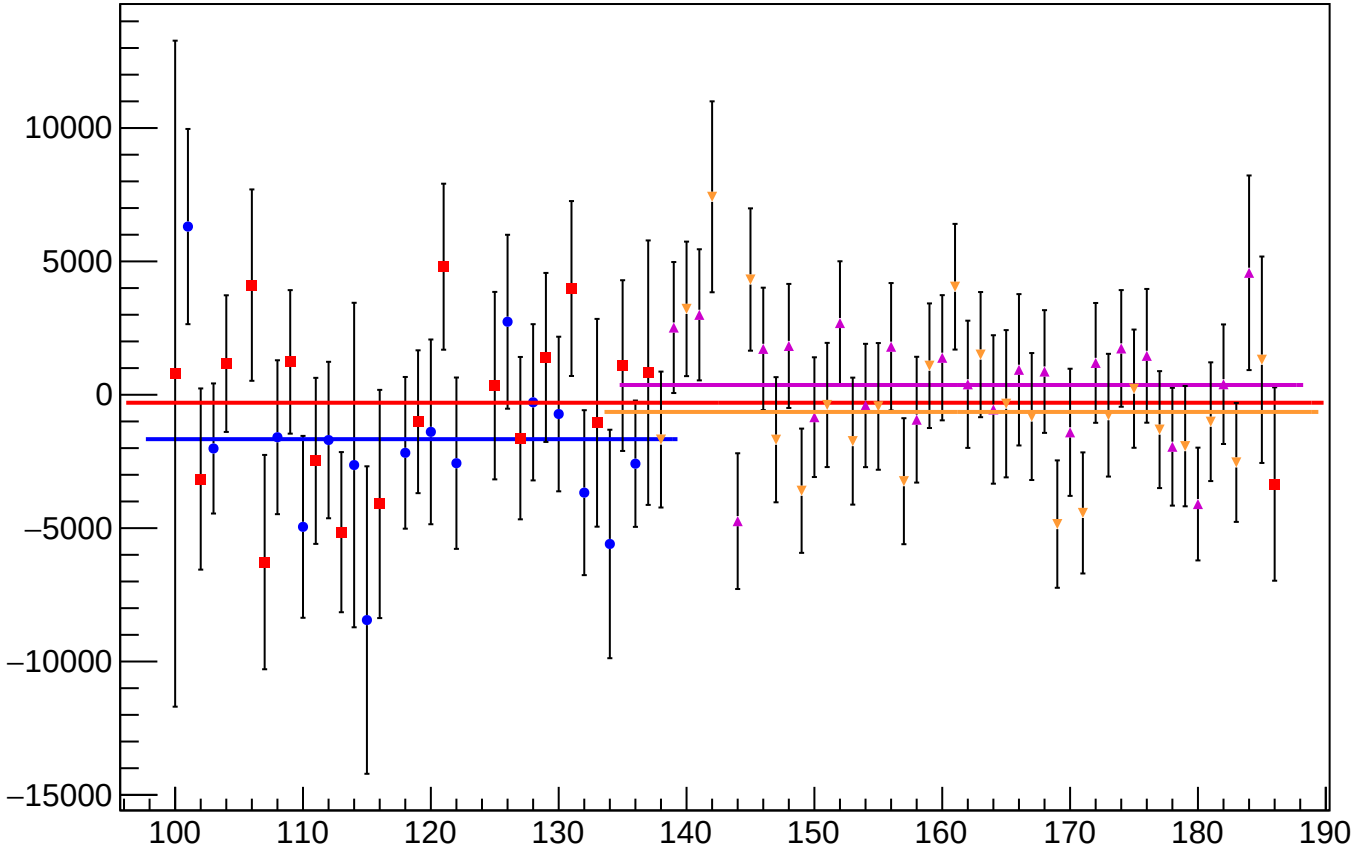
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1390.507+/-0.202 χ^2/NDF: 3831677.0/39

All: 1394.840+/-0.143 χ^2/NDF: 7852682.1/81

- sign 1399.214+/-0.203 χ^2/NDF: 4020078.9/41

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -298.809+/-767.669 χ^2/NDF: 14.9/18

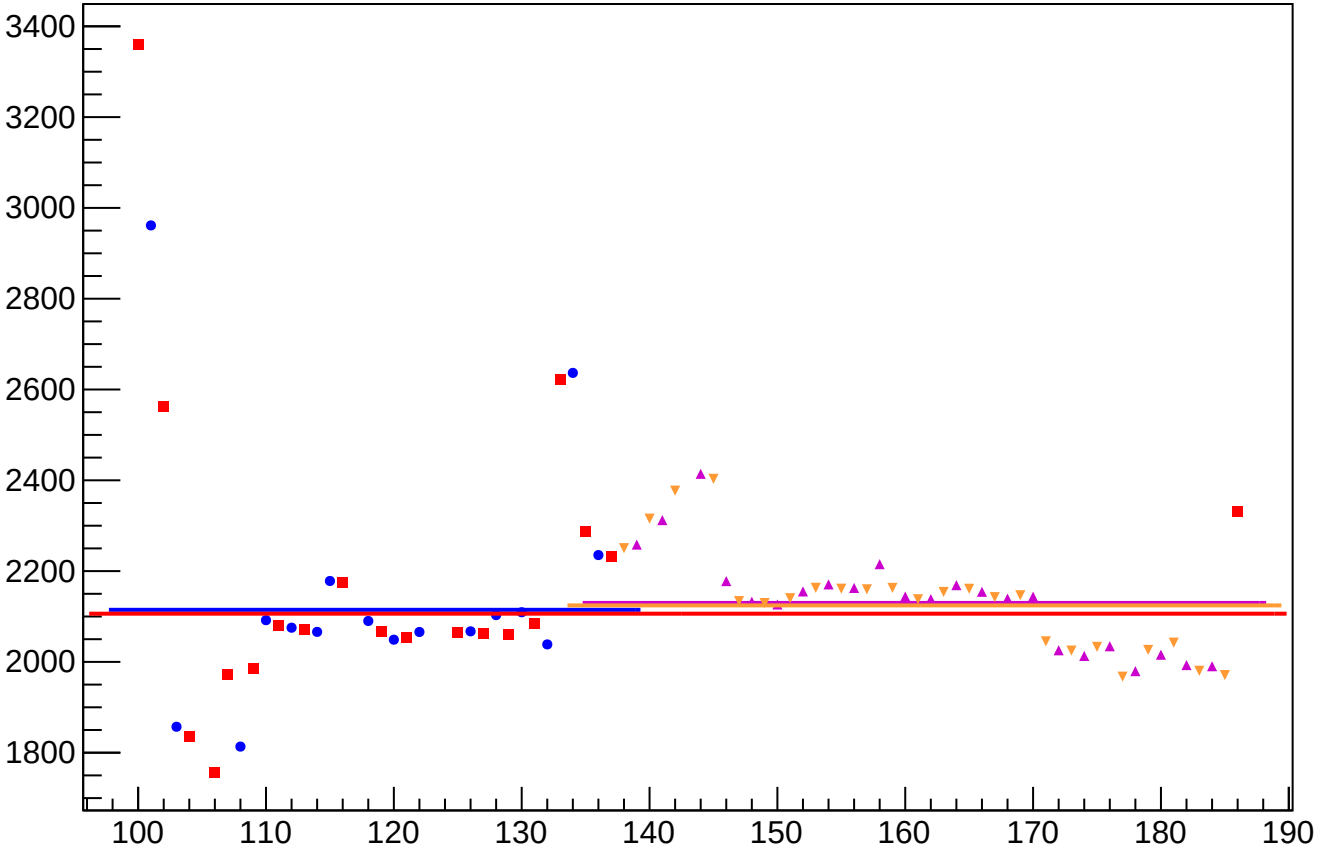
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -929.163+/-418.978 χ^2/NDF: 39.1/39

All: -378.137+/-295.820 χ^2/NDF: 75.3/81

- sign 169.606+/-417.728 χ^2/NDF: 32.8/41

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

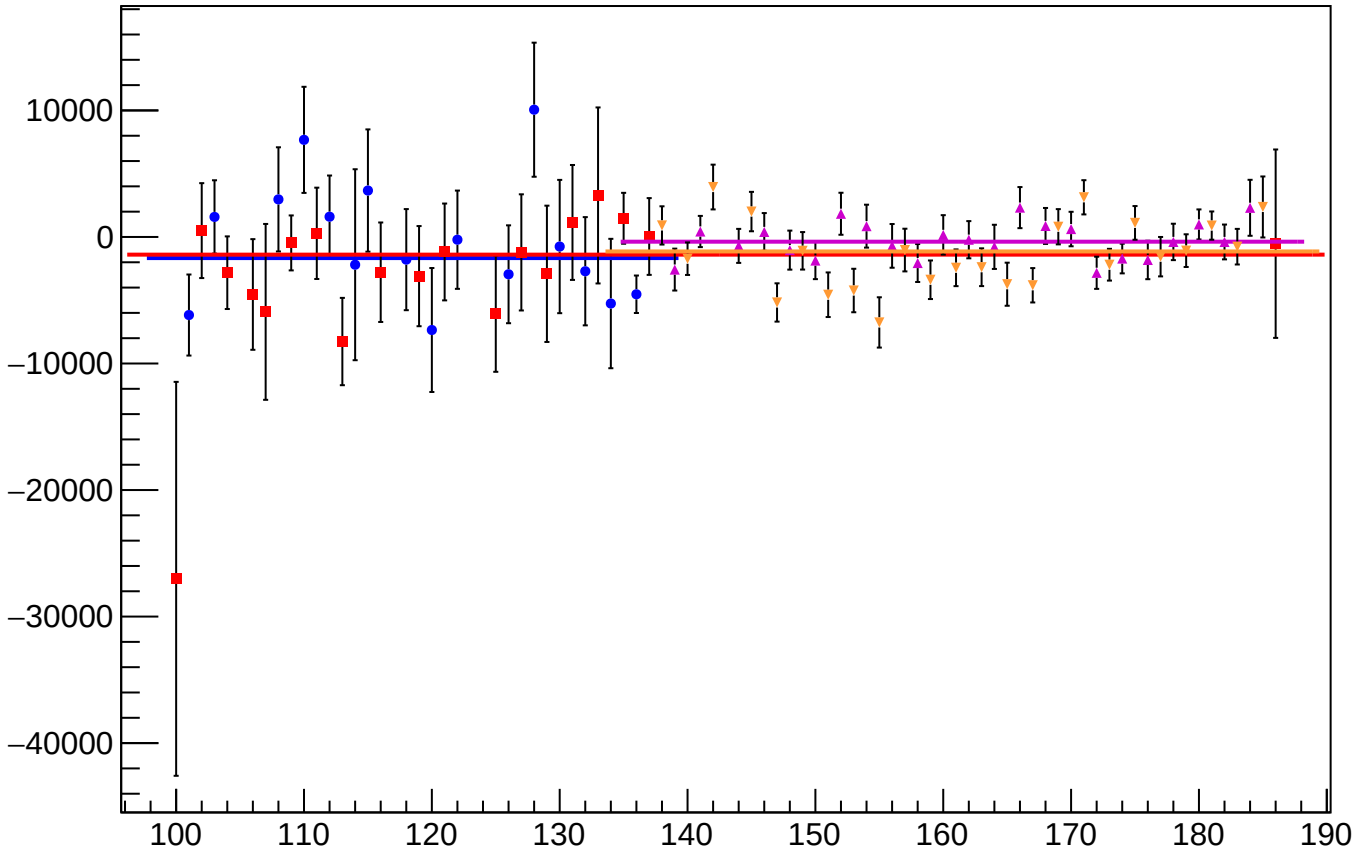
Right Out: 2106.204+/-0.543 χ^2/NDF: 157494.9/18

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2121.728+/-0.296 χ^2/NDF: 279320.1/39

All: 2122.307+/-0.209 χ^2/NDF: 523518.0/81

- sign 2122.881+/-0.295 χ^2/NDF: 244190.3/41



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

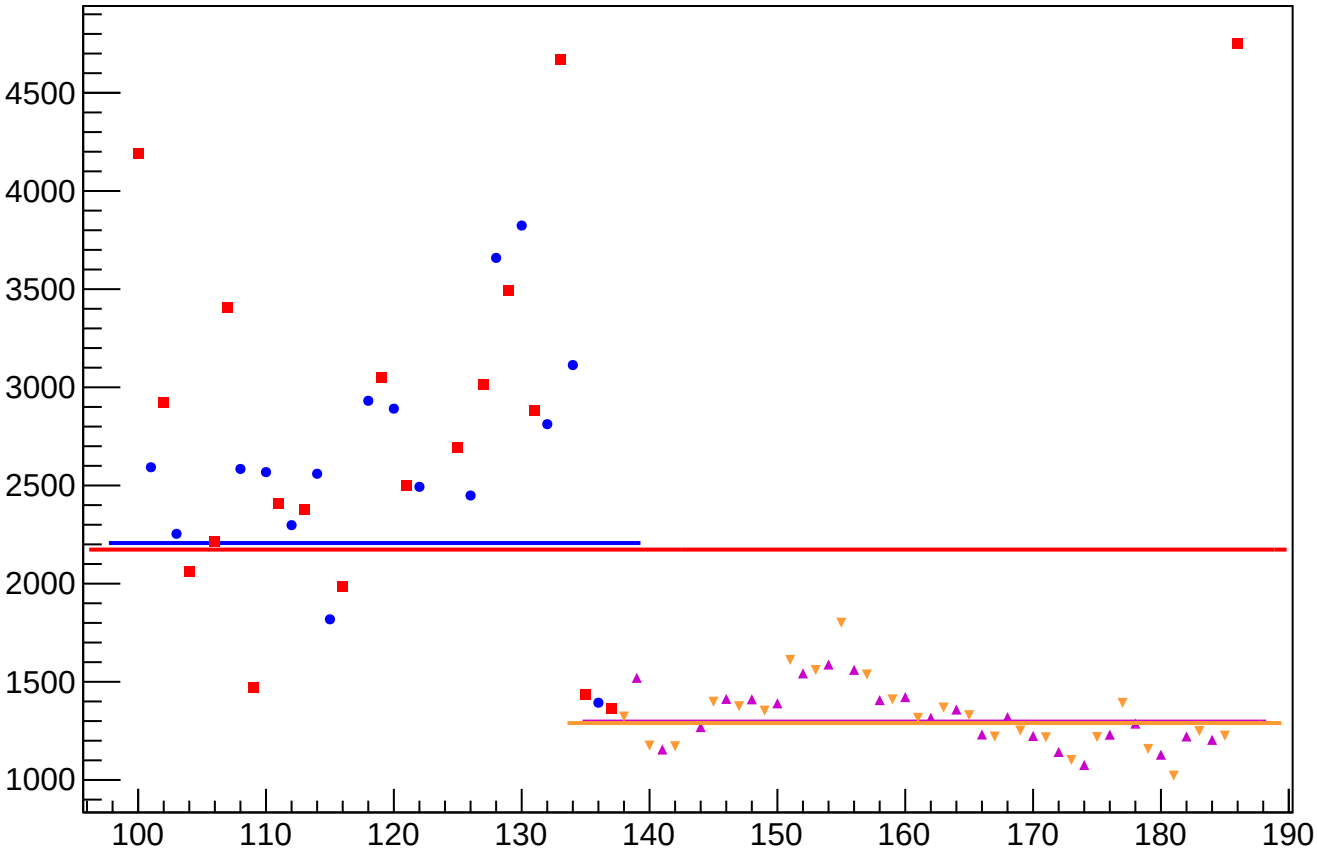
Right Out: -1396.765+/-841.638 χ^2/NDF: 13.0/18

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1202.184+/-285.431 χ^2/NDF: 90.4/39

All: -849.252+/-202.406 χ^2/NDF: 128.0/81

- sign -492.265+/-287.066 χ^2/NDF: 34.6/41



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2173.418+/-0.595 χ^2/NDF: 1691055.8/18

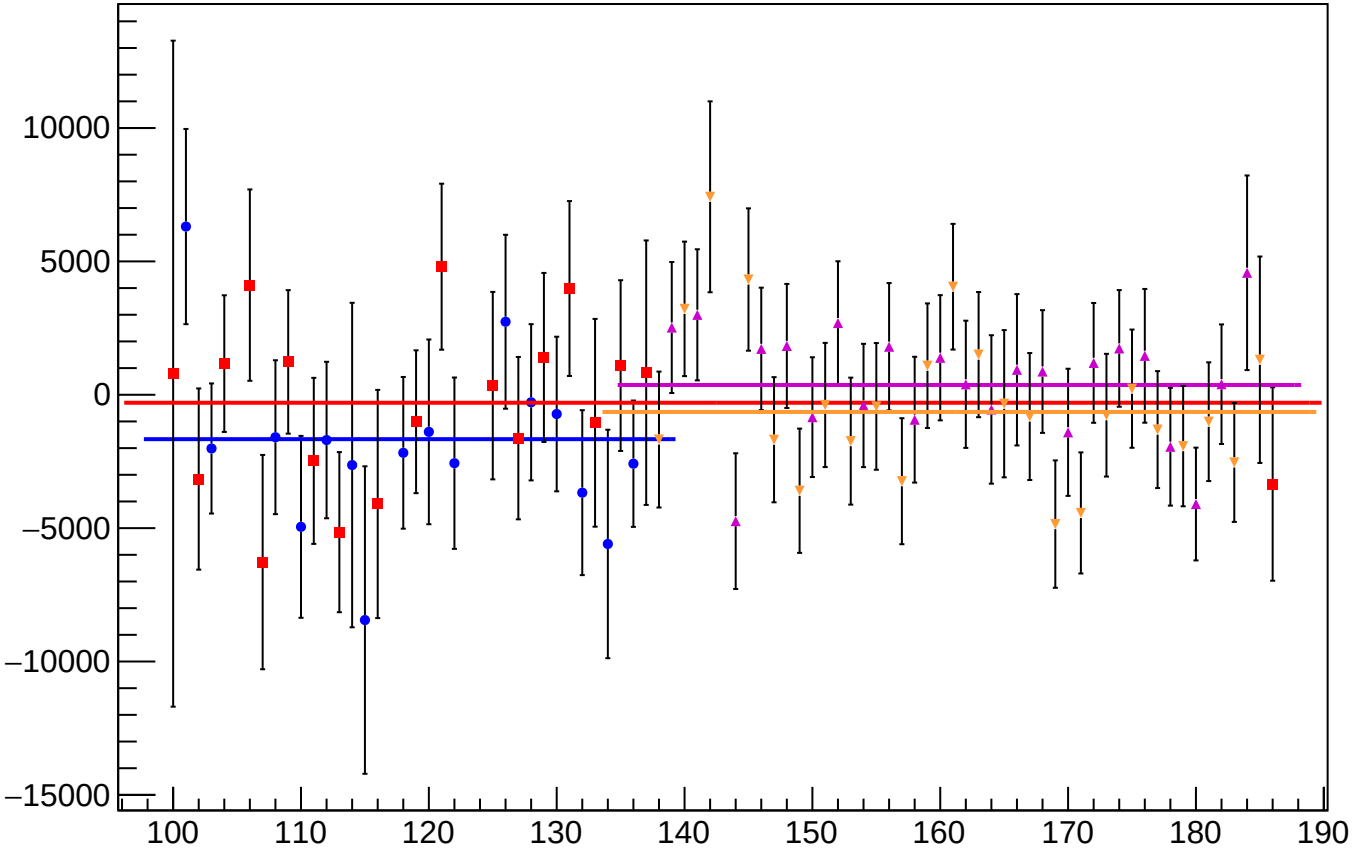
Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1390.542+/-0.202 χ^2/NDF: 3831050.1/39

All: 1394.927+/-0.143 χ^2/NDF: 7871473.1/81

- sign 1399.363+/-0.203 χ^2/NDF: 4039473.3/41

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -298.809+/-767.669 χ^2/NDF: 14.9/18

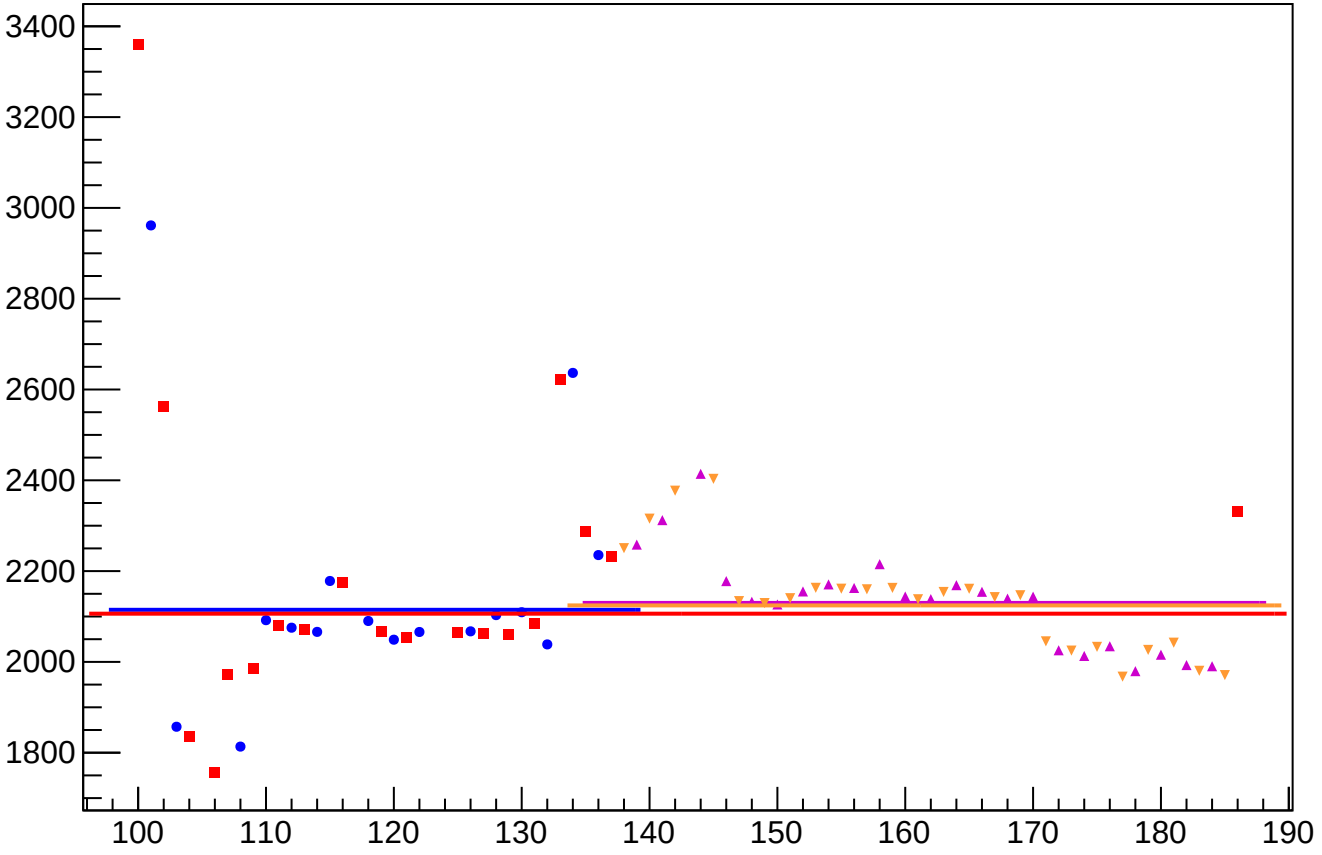
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -929.163+/-418.978 χ^2/NDF: 39.1/39

All: -378.137+/-295.820 χ^2/NDF: 75.3/81

- sign 169.606+/-417.728 χ^2/NDF: 32.8/41

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

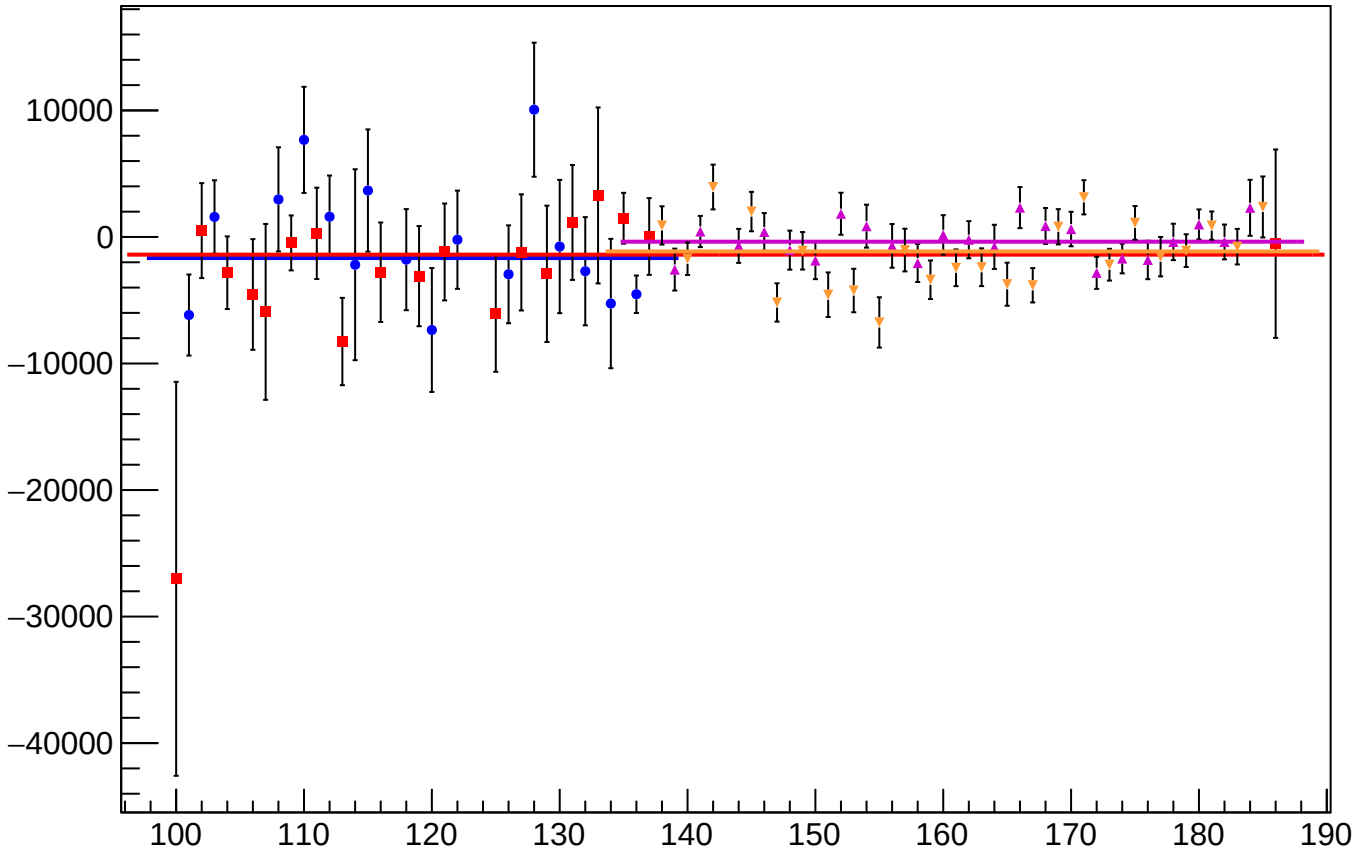
Right Out: 2106.204+/-0.543 χ^2/NDF: 157494.9/18

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2121.728+/-0.296 χ^2/NDF: 279320.1/39

All: 2122.307+/-0.209 χ^2/NDF: 523518.0/81

- sign 2122.881+/-0.295 χ^2/NDF: 244190.3/41



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

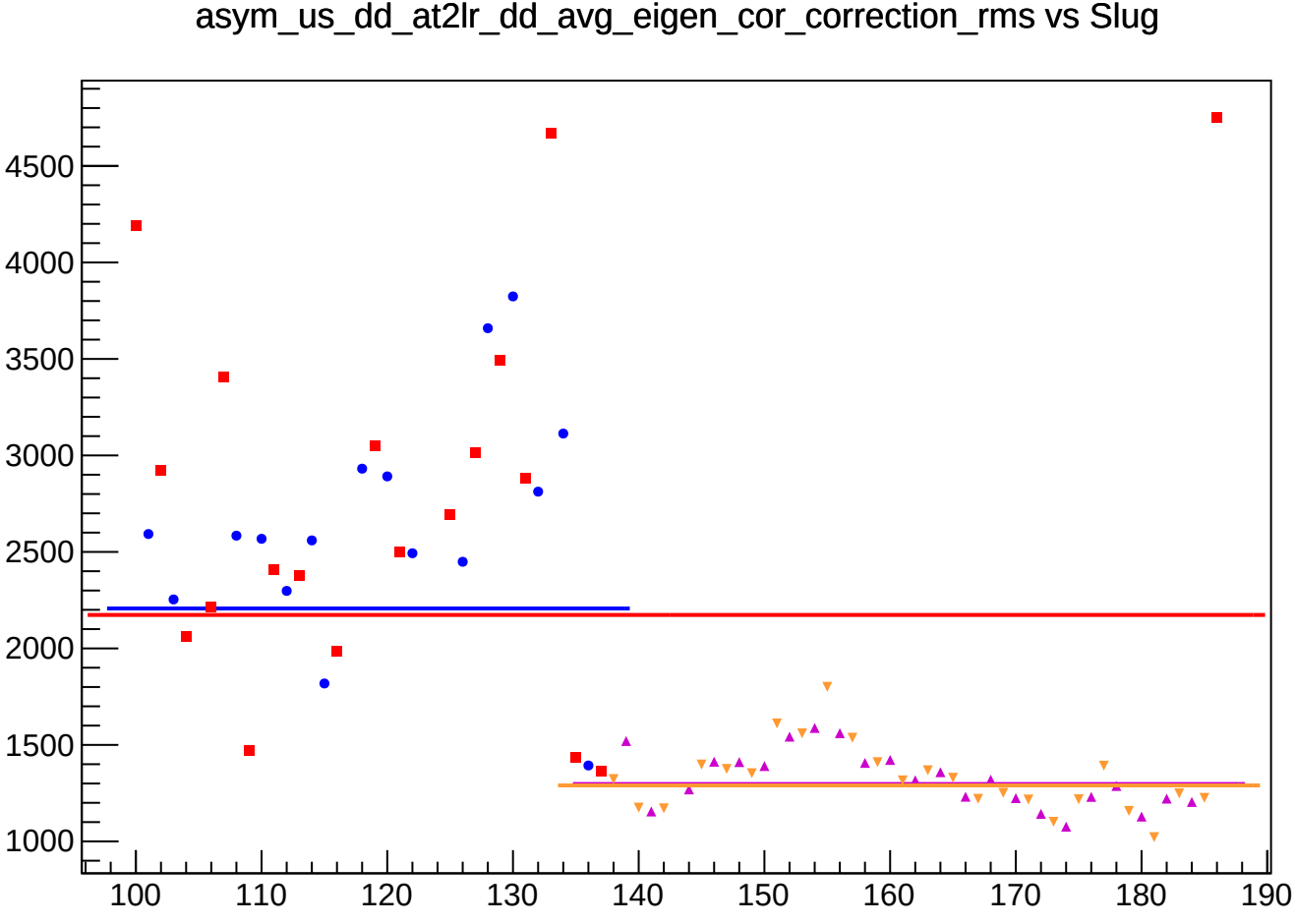
Right Out: -1396.765+/-841.638 χ^2/NDF: 13.0/18

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1202.184+/-285.431 χ^2/NDF: 90.4/39

All: -849.252+/-202.406 χ^2/NDF: 128.0/81

- sign -492.265+/-287.066 χ^2/NDF: 34.6/41



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2173.418+/-0.595 χ^2/NDF: 1691055.8/18

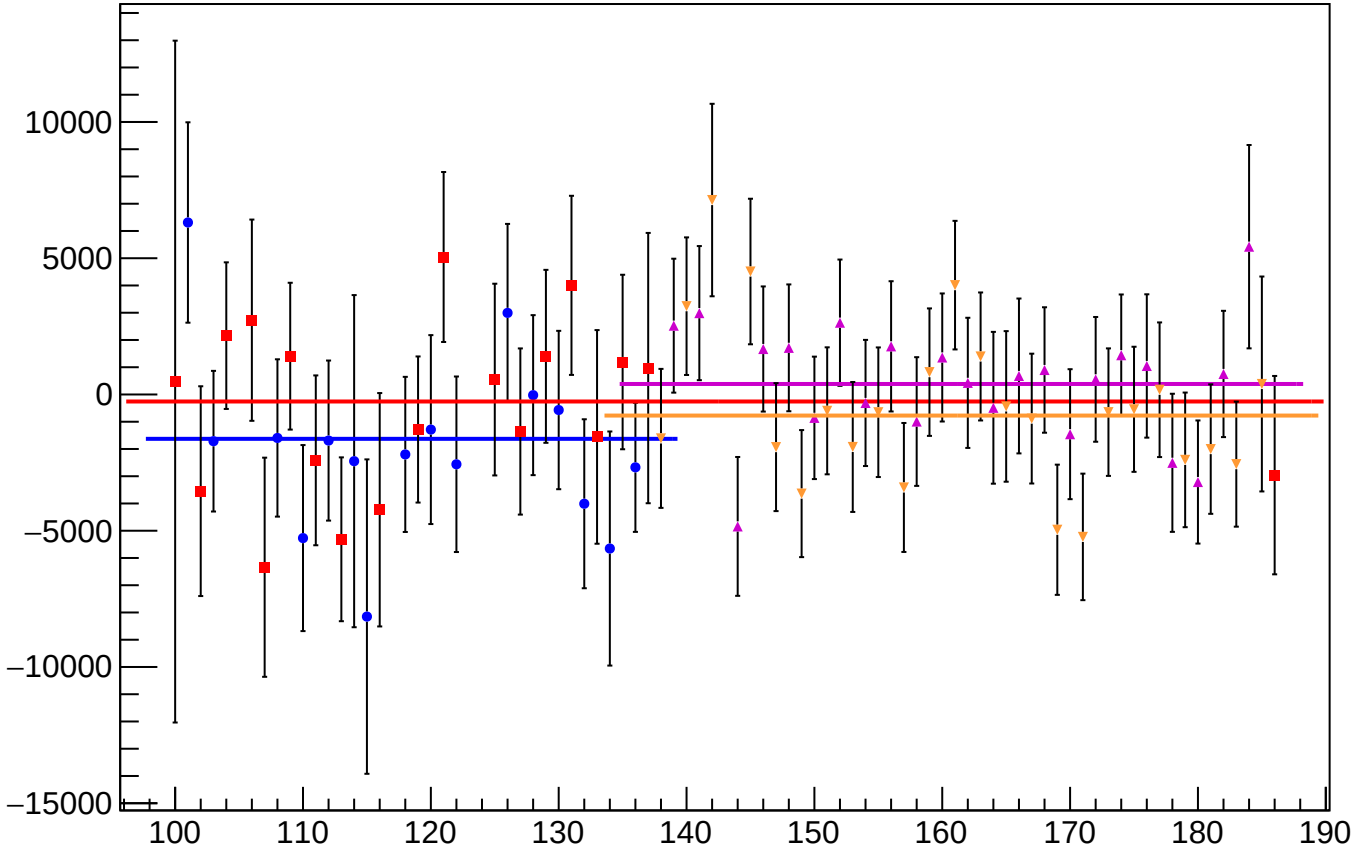
Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1390.542+/-0.202 χ^2/NDF: 3831050.1/39

All: 1394.927+/-0.143 χ^2/NDF: 7871473.1/81

- sign 1399.363+/-0.203 χ^2/NDF: 4039473.3/41

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -257.325+/-777.528 χ^2/NDF: 15.1/18

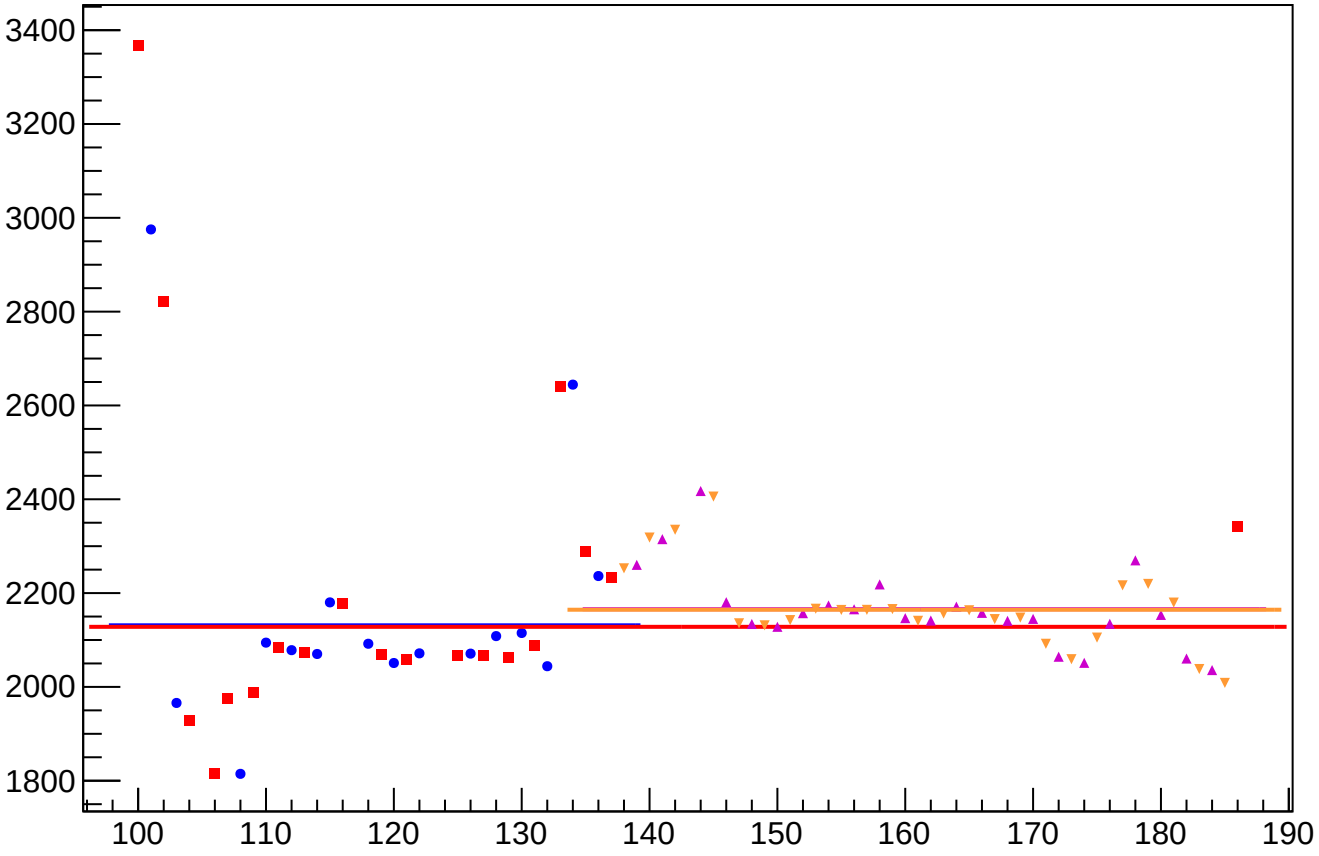
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -1016.308+/-425.405 χ^2/NDF: 40.7/39

All: -409.310+/-300.356 χ^2/NDF: 76.0/81

- sign 194.061+/-424.132 χ^2/NDF: 31.3/41

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

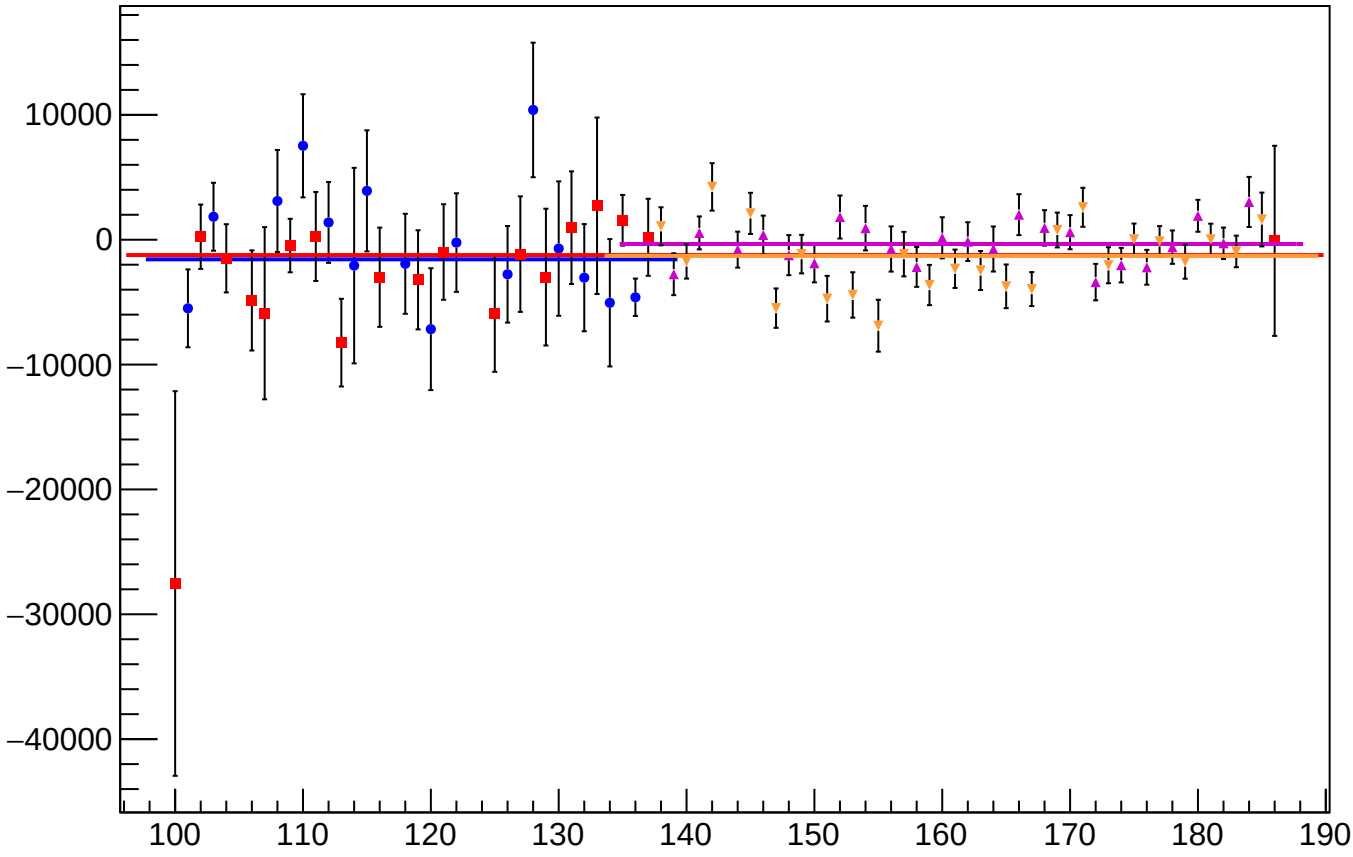
Right Out: 2128.074+/-0.550 χ^2/NDF: 170830.1/18

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2155.087+/-0.301 χ^2/NDF: 229102.8/39

All: 2154.775+/-0.212 χ^2/NDF: 455339.6/81

- sign 2154.464+/-0.300 χ^2/NDF: 226234.7/41



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: -1227.808+/-815.064 χ^2/NDF: 13.1/18

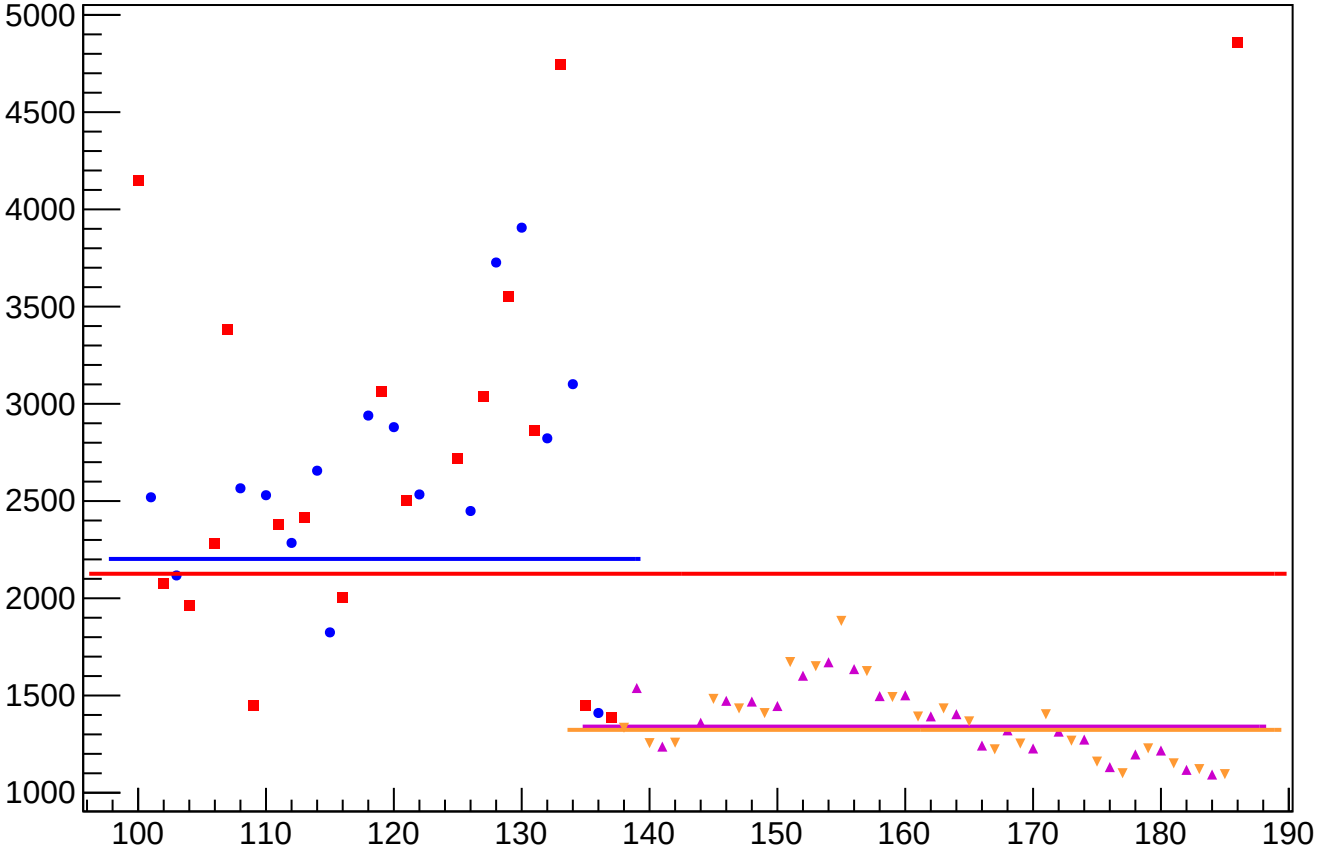
Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1325.740+/-292.140 χ^2/NDF: 81.4/39

All: -894.455+/-207.326 χ^2/NDF: 124.7/81

- sign -456.828+/-294.280 χ^2/NDF: 38.9/41

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

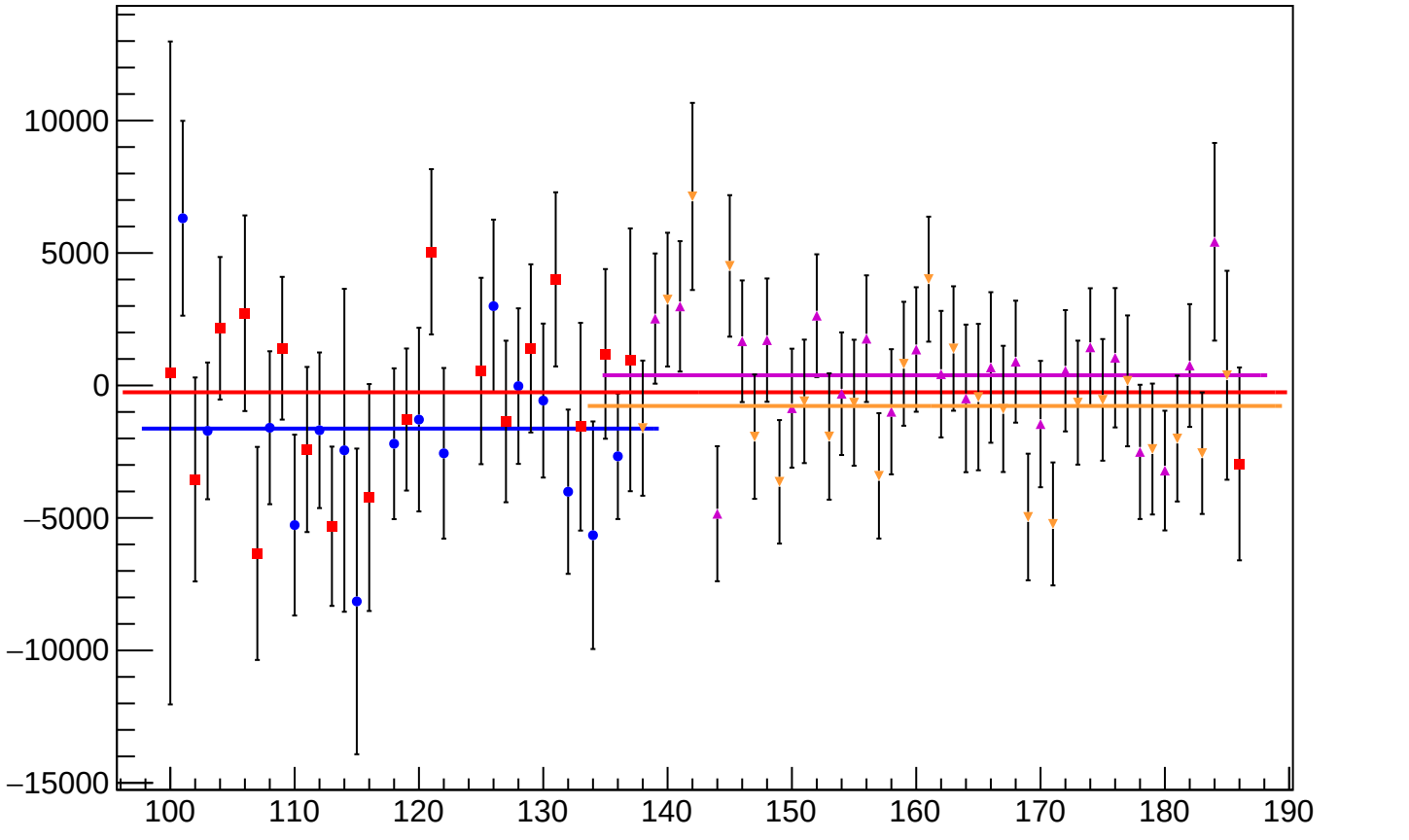
Right Out: 2126.110+/-0.576 χ^2/NDF: 1634018.2/18

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1424.889+/-0.207 χ^2/NDF: 3735893.9/39

All: 1433.655+/-0.147 χ^2/NDF: 7485368.2/81

- sign 1442.549+/-0.208 χ^2/NDF: 3745846.8/41



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -257.317+/-777.528 χ^2/NDF: 15.1/18

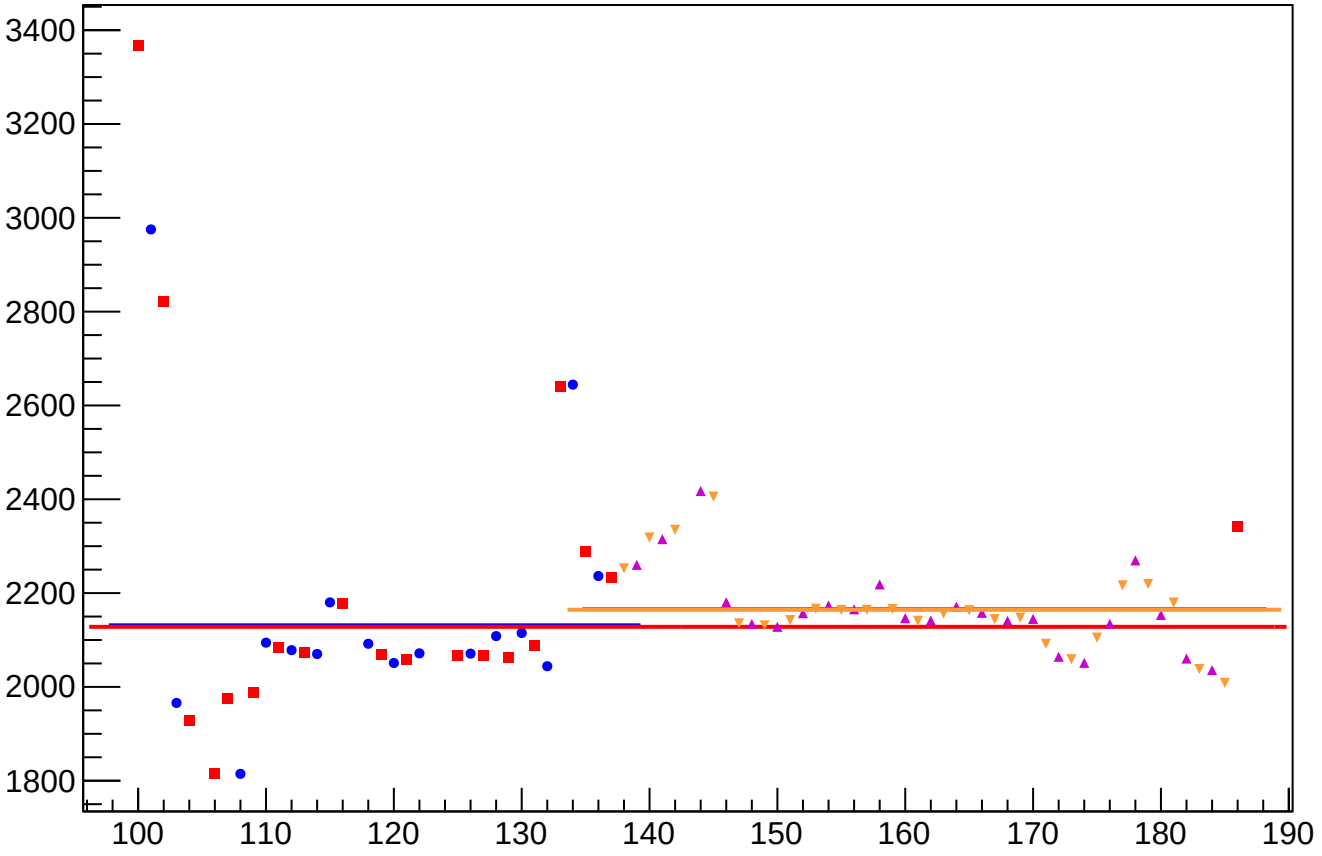
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

\+ sign -1016.307+/-425.405 χ^2/NDF: 40.7/39

All: -409.308+/-300.356 χ^2/NDF: 76.0/81

\- sign 194.063+/-424.132 χ^2/NDF: 31.3/41

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

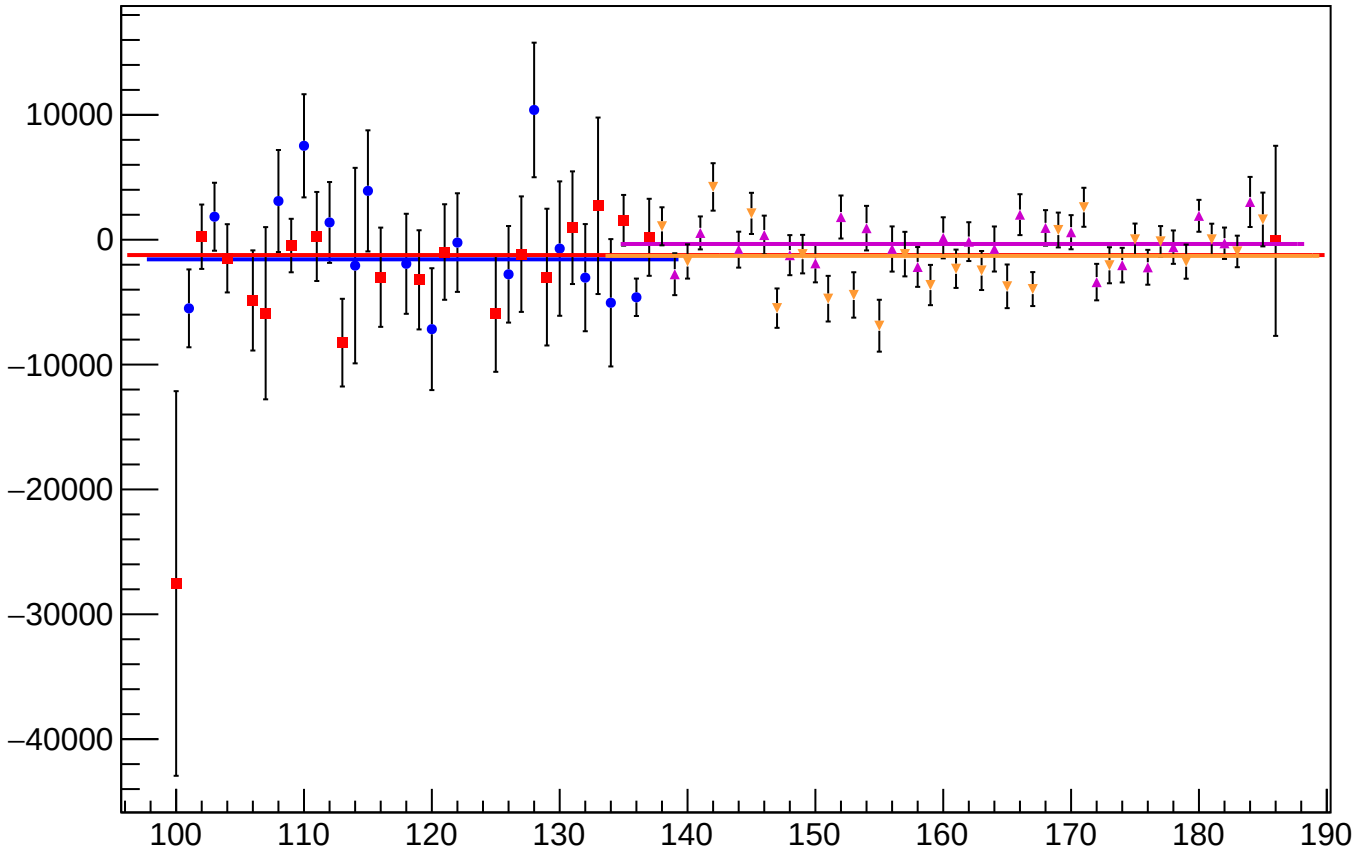
Right Out: 2128.074+/-0.550 χ^2/NDF: 170830.0/18

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2155.086+/-0.301 χ^2/NDF: 229102.7/39

All: 2154.774+/-0.212 χ^2/NDF: 455339.4/81

- sign 2154.464+/-0.300 χ^2/NDF: 226234.5/41



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

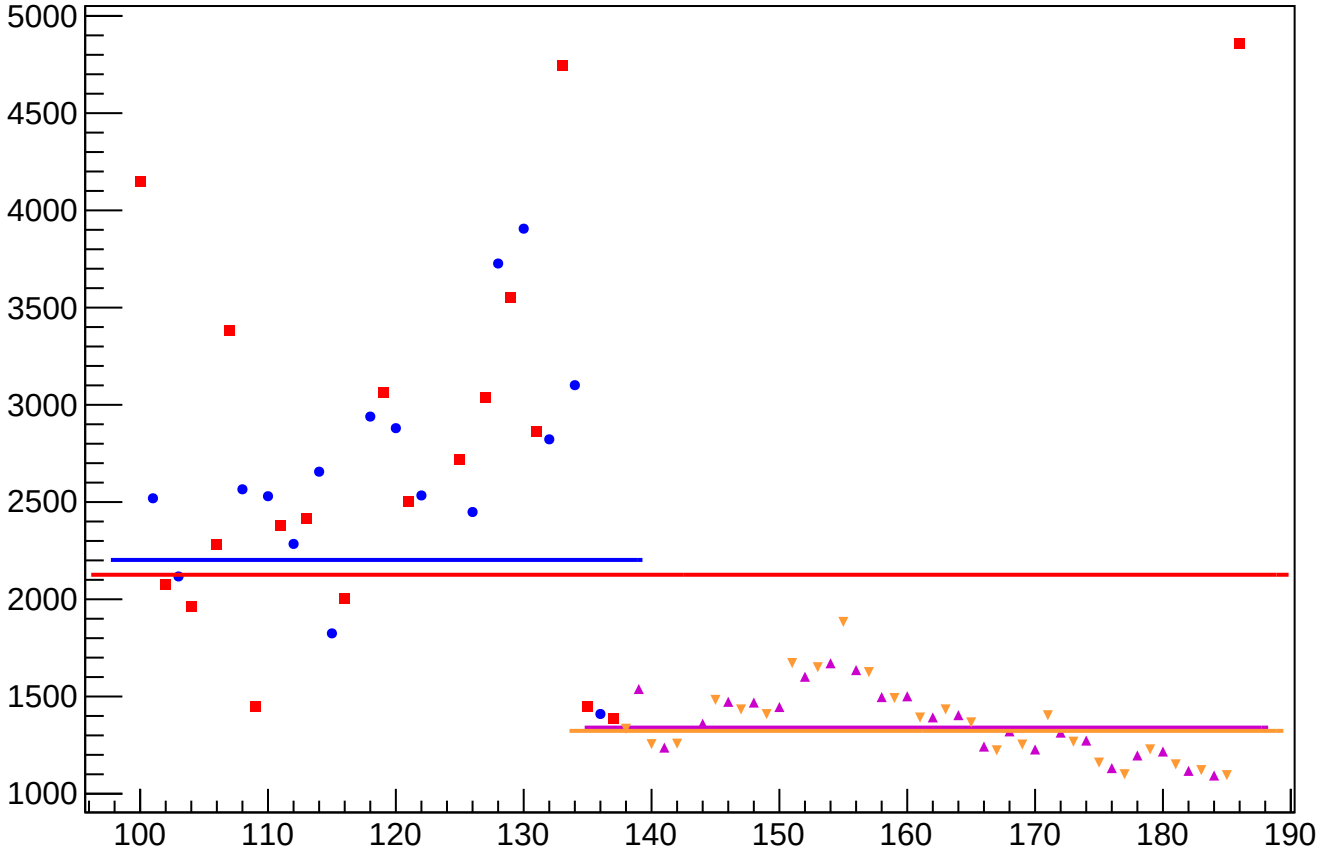
Right Out: -1227.822+/-815.067 χ^2/NDF: 13.1/18

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1325.739+/-292.140 χ^2/NDF: 81.4/39

All: -894.453+/-207.326 χ^2/NDF: 124.7/81

- sign -456.826+/-294.280 χ^2/NDF: 38.9/41



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2126.122+/-0.576 χ^2/NDF: 1633968.1/18

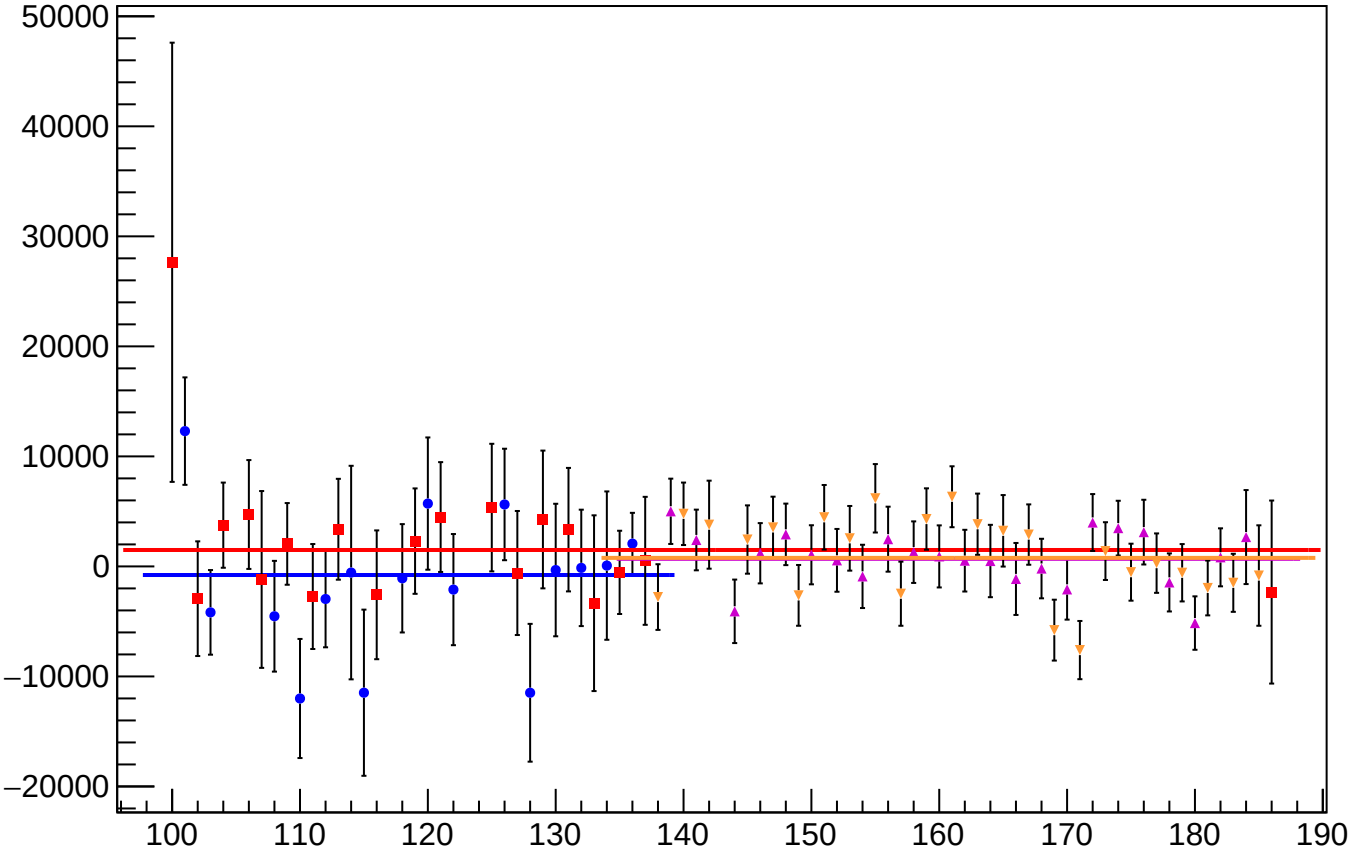
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1424.890+/-0.207 χ^2/NDF: 3735874.4/39

All: 1433.655+/-0.147 χ^2/NDF: 7485353.1/81

- sign 1442.549+/-0.208 χ^2/NDF: 3745851.6/41

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 1492.551+/-1206.078 χ^2/NDF: 6.9/18

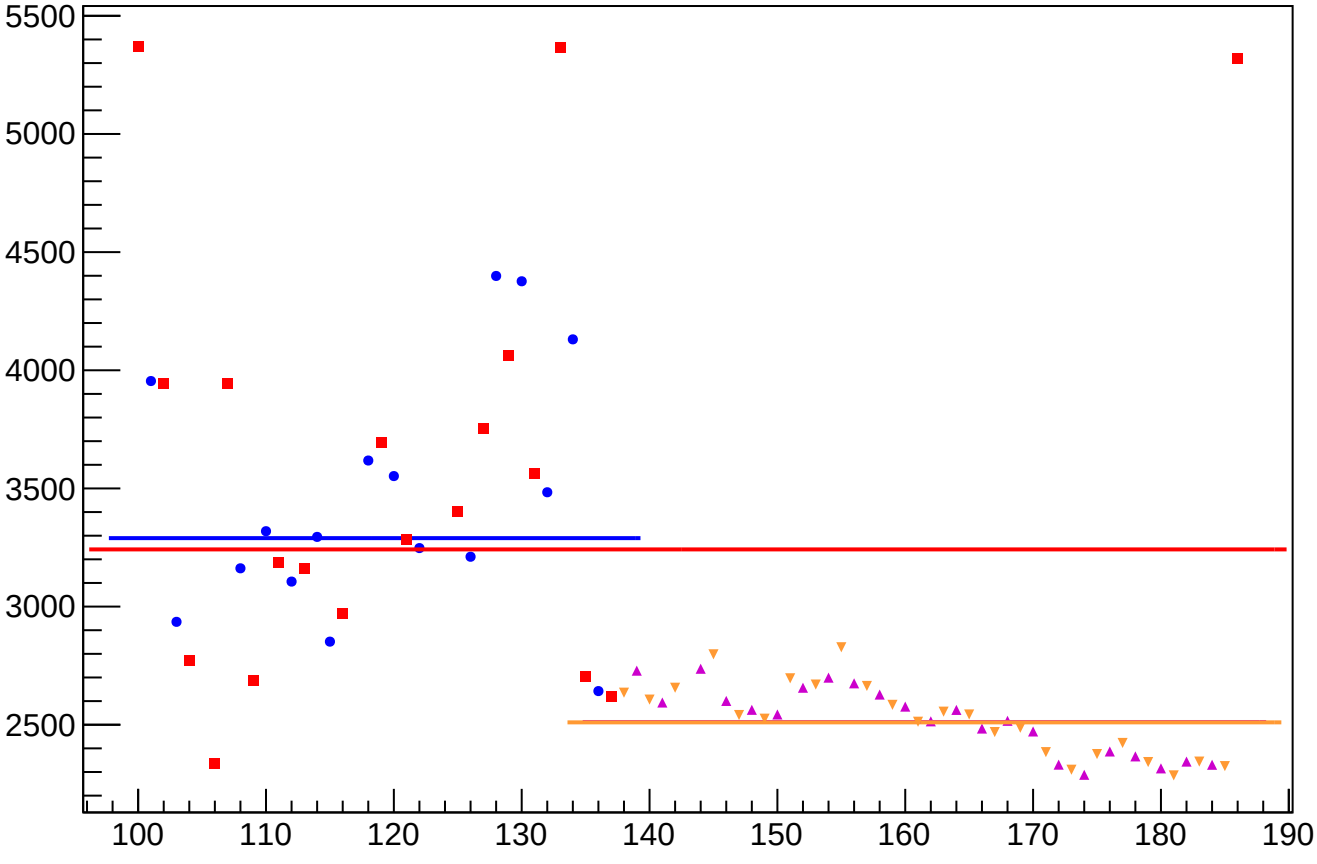
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

\+ sign 493.114+/-528.241 χ^2/NDF: 62.5/39

All: 668.530+/-373.480 χ^2/NDF: 88.4/81

\- sign 843.866+/-528.119 χ^2/NDF: 25.6/41

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

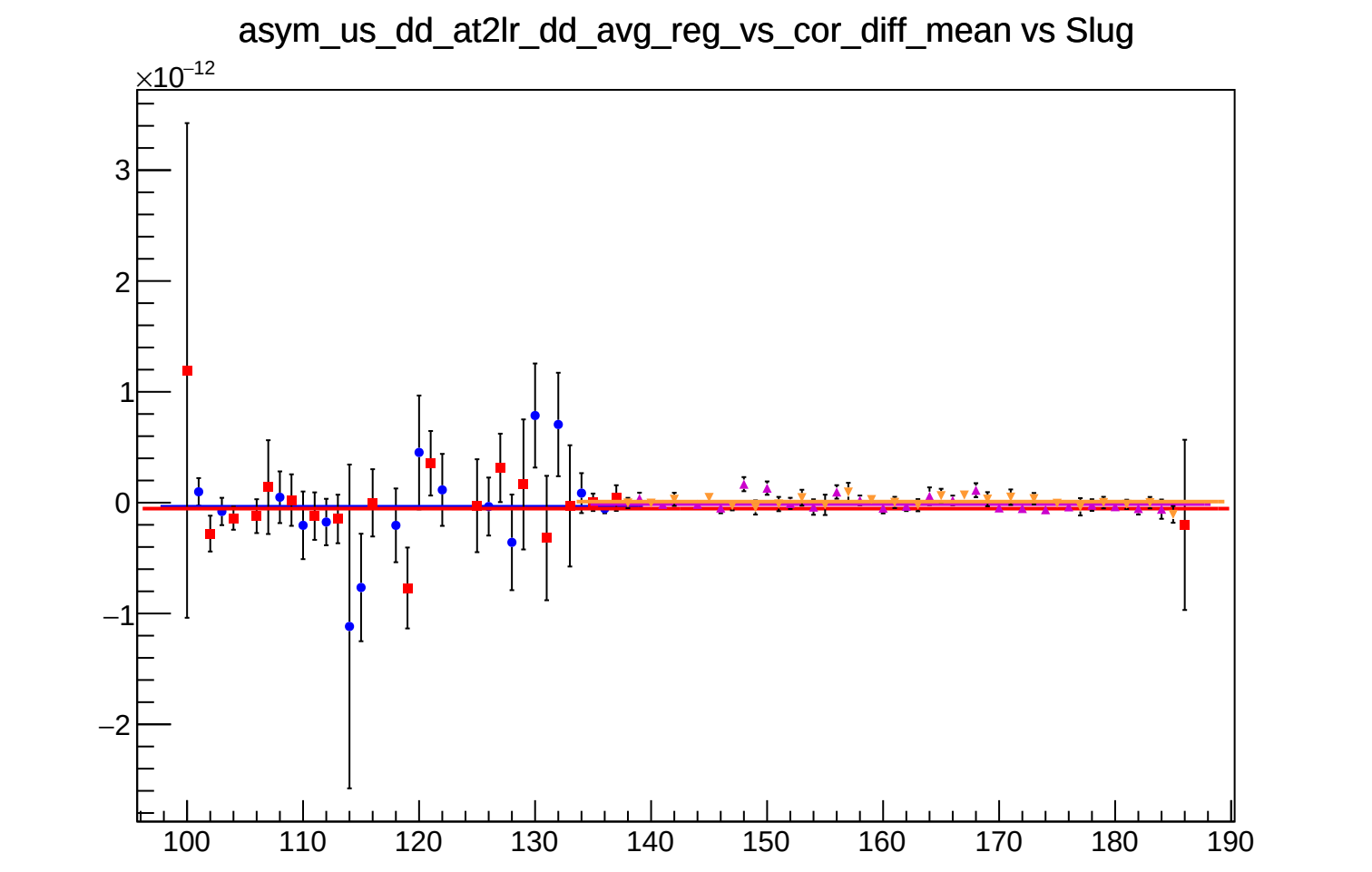
Right Out: 3241.978+/-0.853 χ^2/NDF: 627294.3/18

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2651.162+/-0.374 χ^2/NDF: 1121959.5/39

All: 2651.409+/-0.264 χ^2/NDF: 2455556.9/81

- sign 2651.656+/-0.373 χ^2/NDF: 1333596.5/41



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

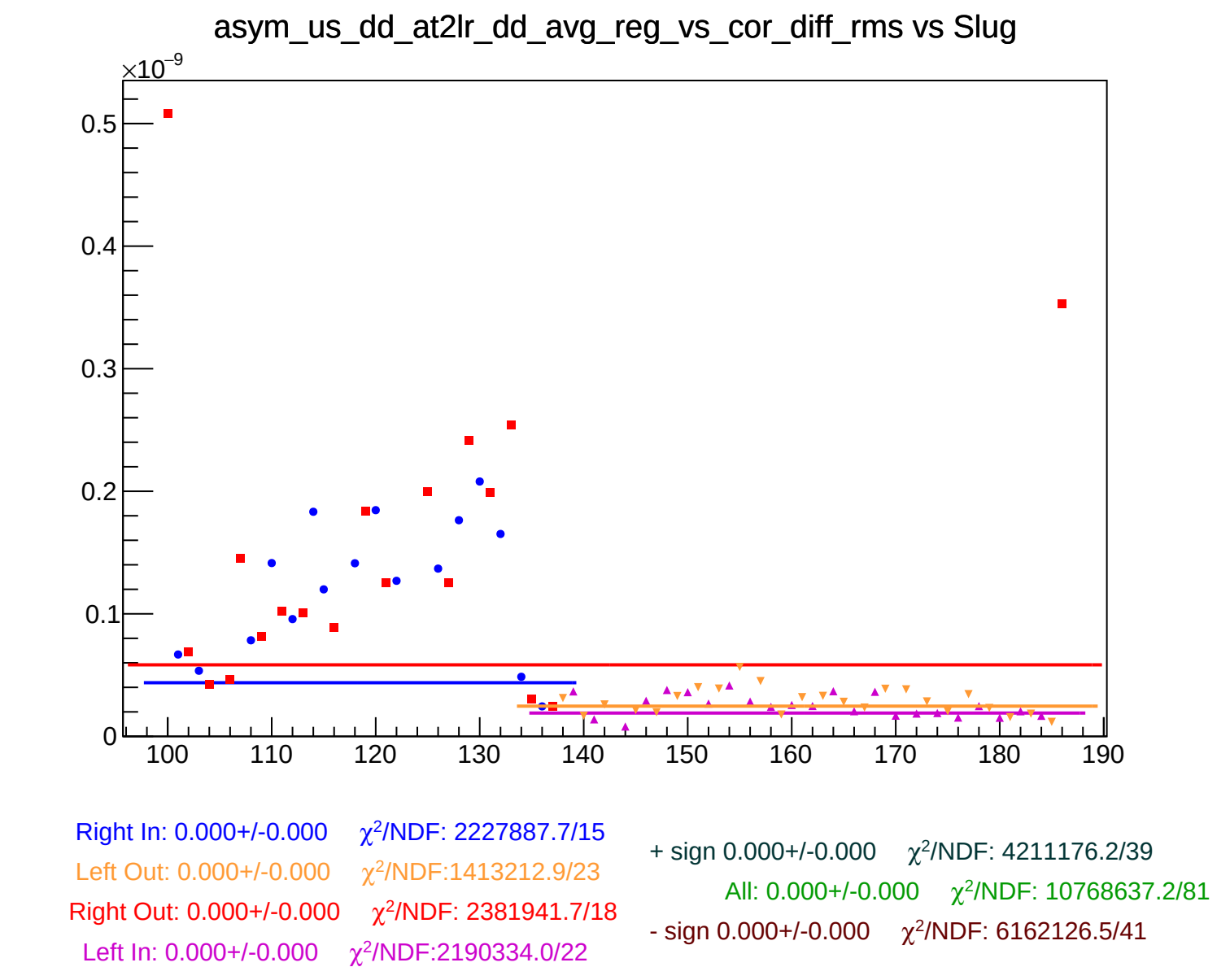
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

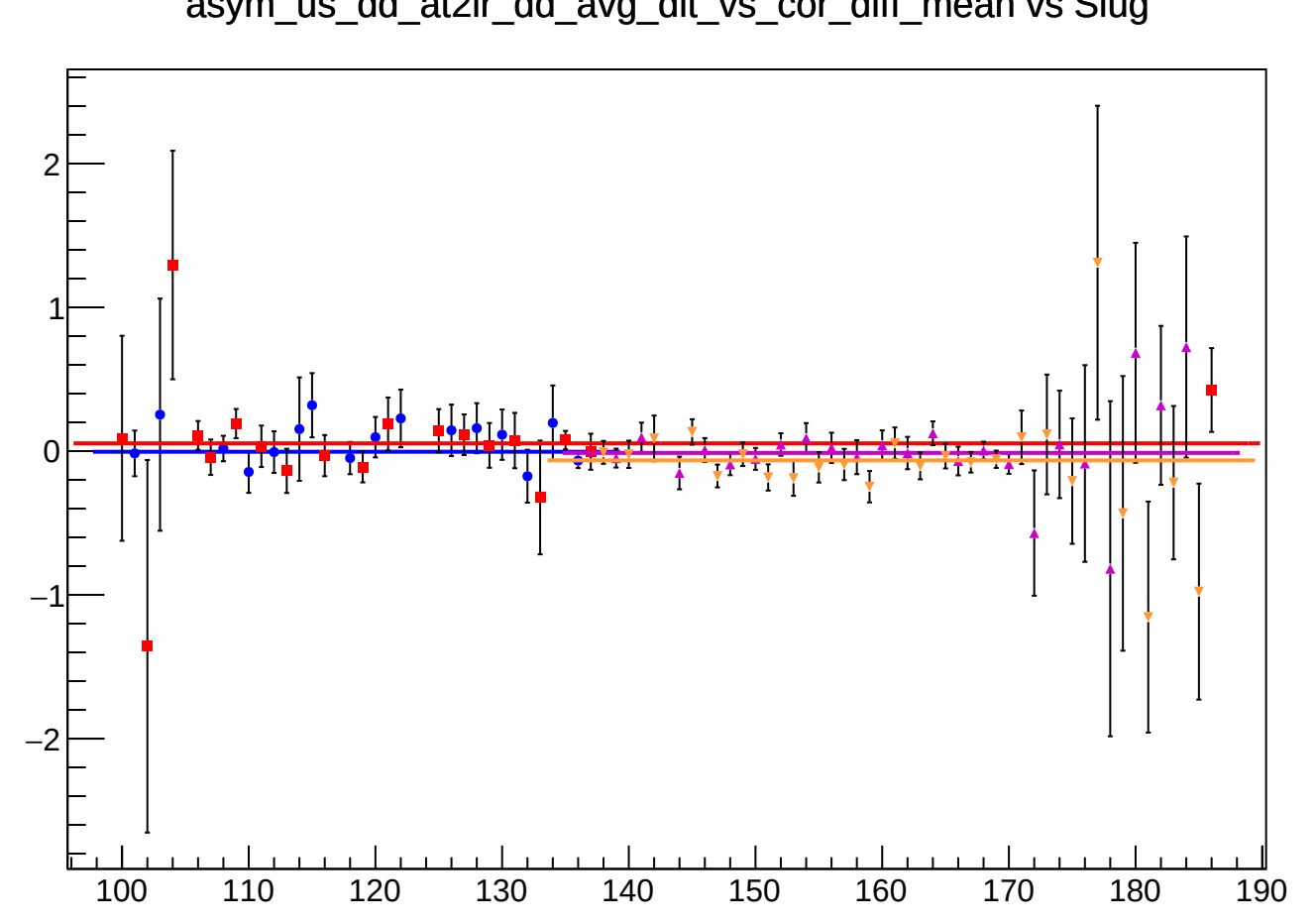
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.0/39

All: -0.000+/-0.000 χ^2/NDF: 74.0/81

- sign -0.000+/-0.000 χ^2/NDF: 44.4/41


asym_us_dd_at2lr_dd_avg_reg_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: 2227887.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1413212.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 2381941.7/18
Left In: 0.000+/-0.000 χ²/NDF:2190334.0/22
+ sign 0.000+/-0.000 χ²/NDF: 4211176.2/39
All: 0.000+/-0.000 χ²/NDF: 10768637.2/81
- sign 0.000+/-0.000 χ²/NDF: 6162126.5/41



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

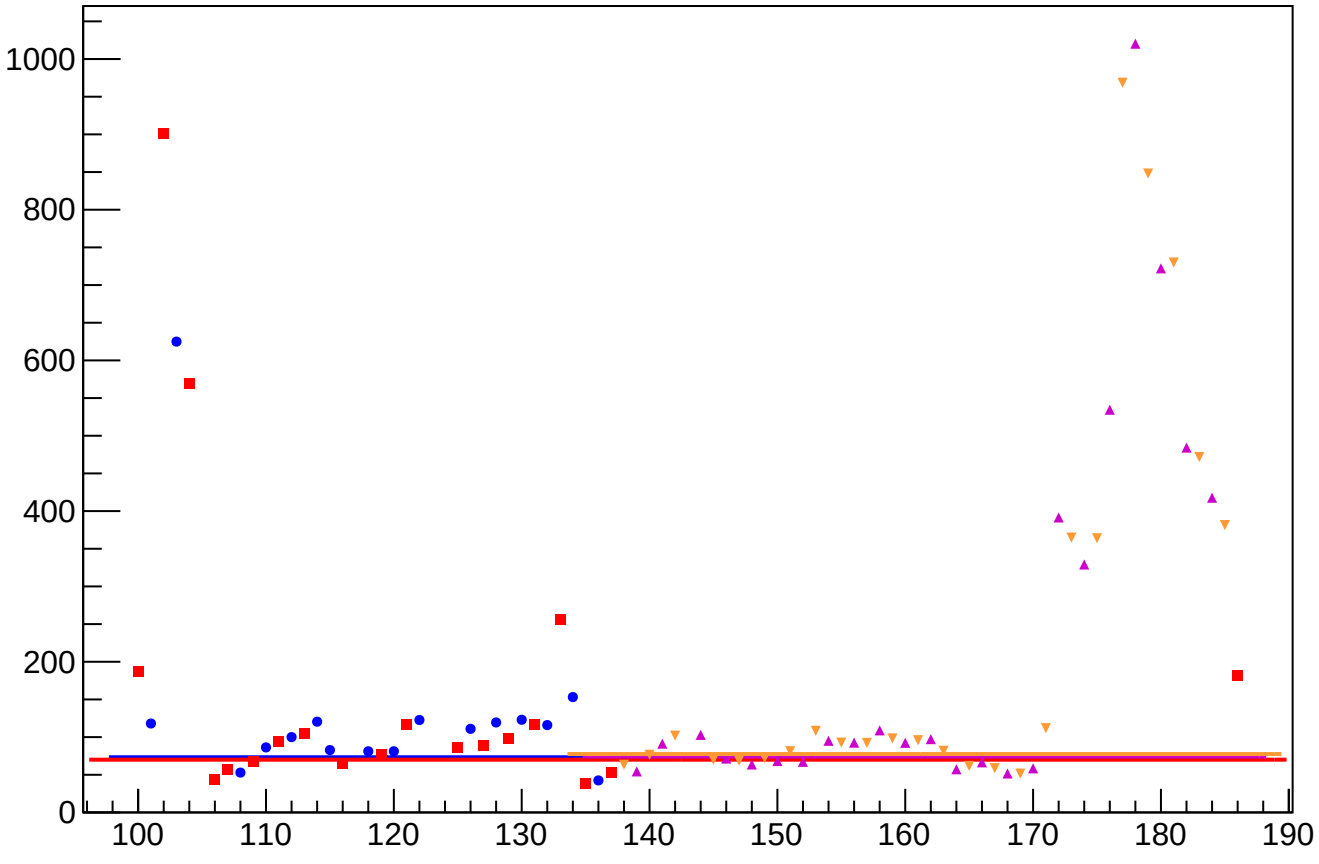
Right Out: 0.054+/-0.031 χ^2/NDF: 14.7/18

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.045+/-0.018 χ^2/NDF: 35.0/39

All: -0.018+/-0.013 χ^2/NDF: 72.2/81

- sign 0.008+/-0.018 χ^2/NDF: 32.8/41



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

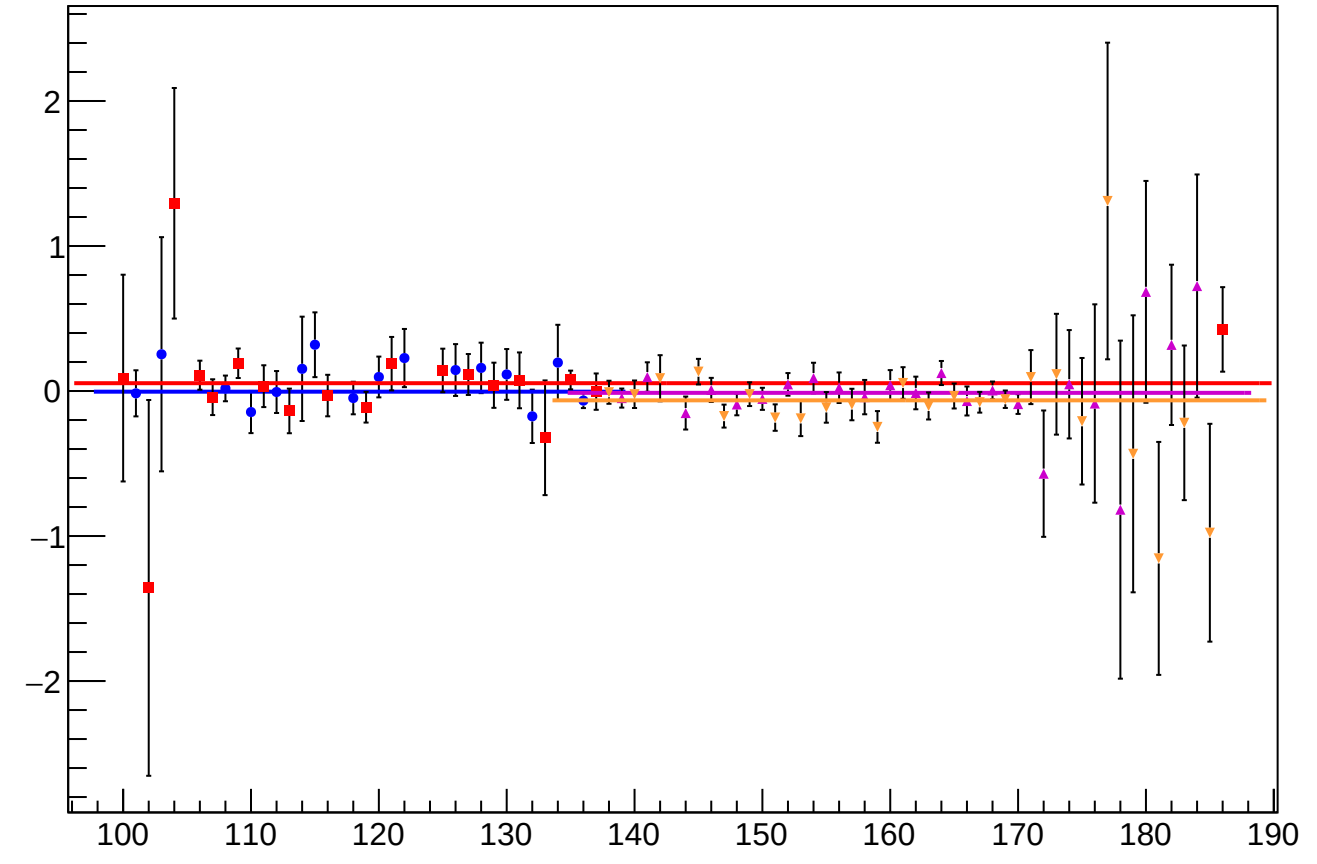
Right Out: 70.044+/-0.022 χ^2/NDF: 3629784.4/18

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 76.158+/-0.013 χ^2/NDF: 11209996.0/39

All: 74.477+/-0.009 χ^2/NDF: 23410849.3/81

- sign 72.920+/-0.012 χ^2/NDF: 12168095.9/41



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

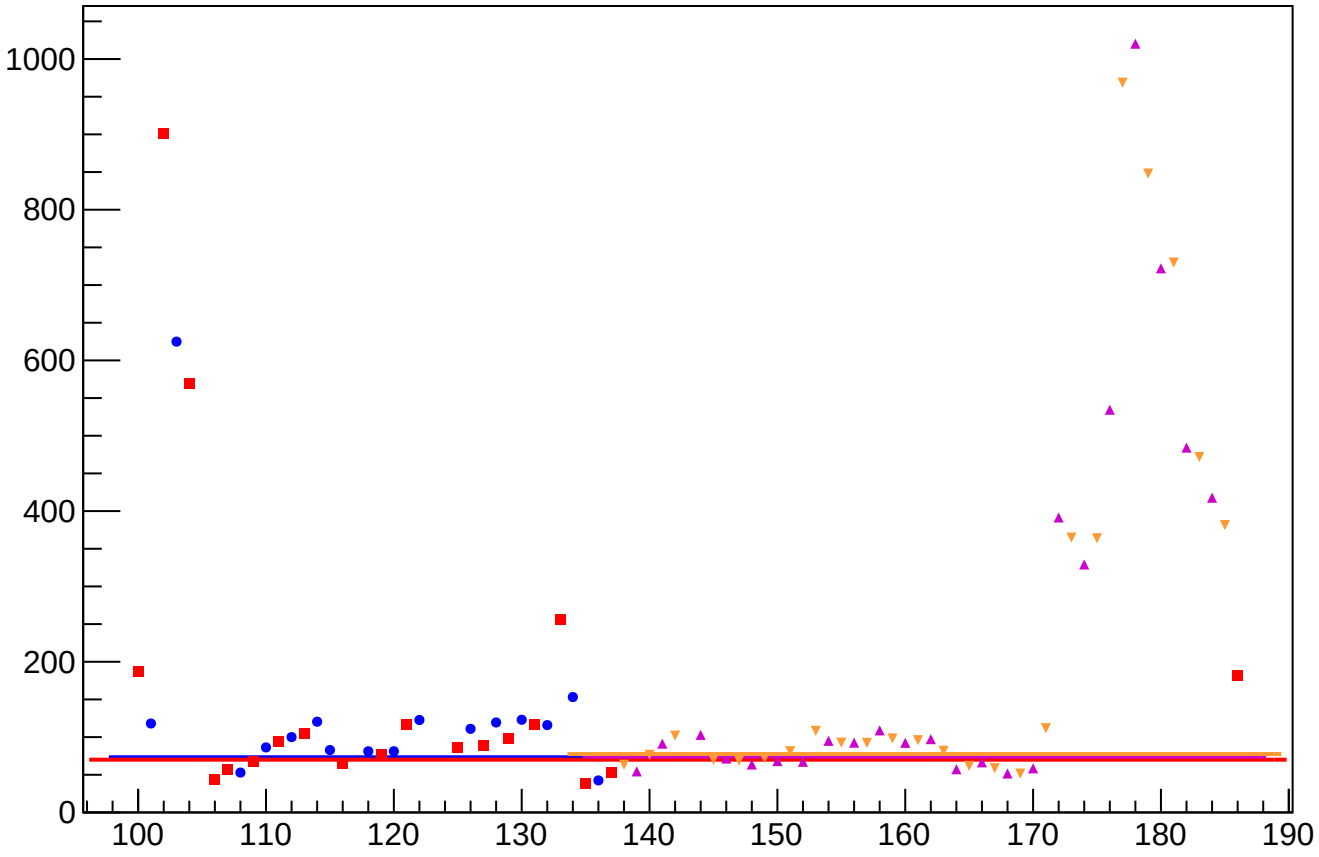
Right Out: 0.054+/-0.031 χ^2/NDF: 14.7/18

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.045+/-0.018 χ^2/NDF: 35.0/39

All: -0.018+/-0.013 χ^2/NDF: 72.2/81

- sign 0.008+/-0.018 χ^2/NDF: 32.8/41



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

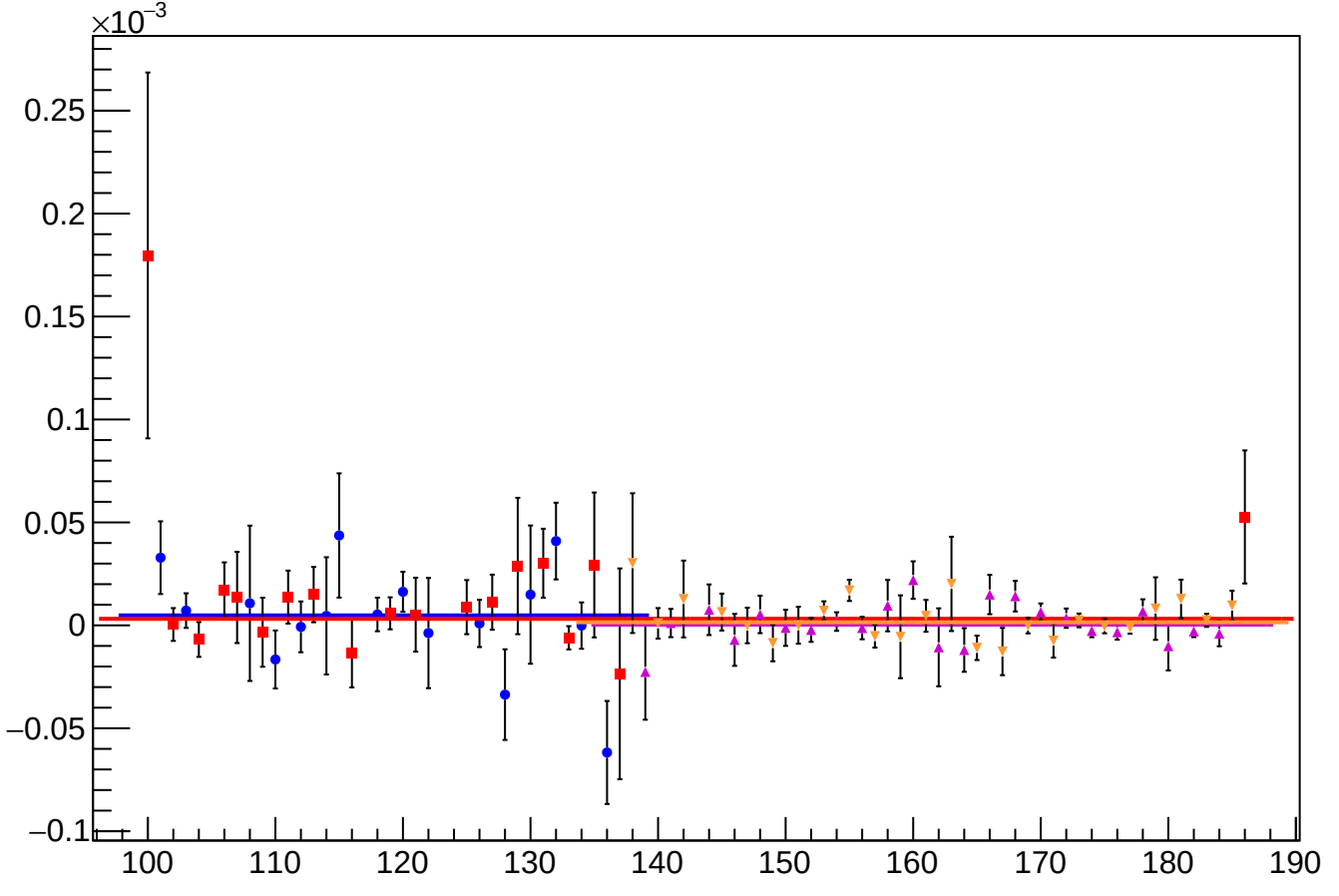
Right Out: 70.044+/-0.022 χ^2/NDF: 3629784.4/18

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 76.158+/-0.013 χ^2/NDF: 11209996.0/39

All: 74.477+/-0.009 χ^2/NDF: 23410849.3/81

- sign 72.920+/-0.012 χ^2/NDF: 12168095.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

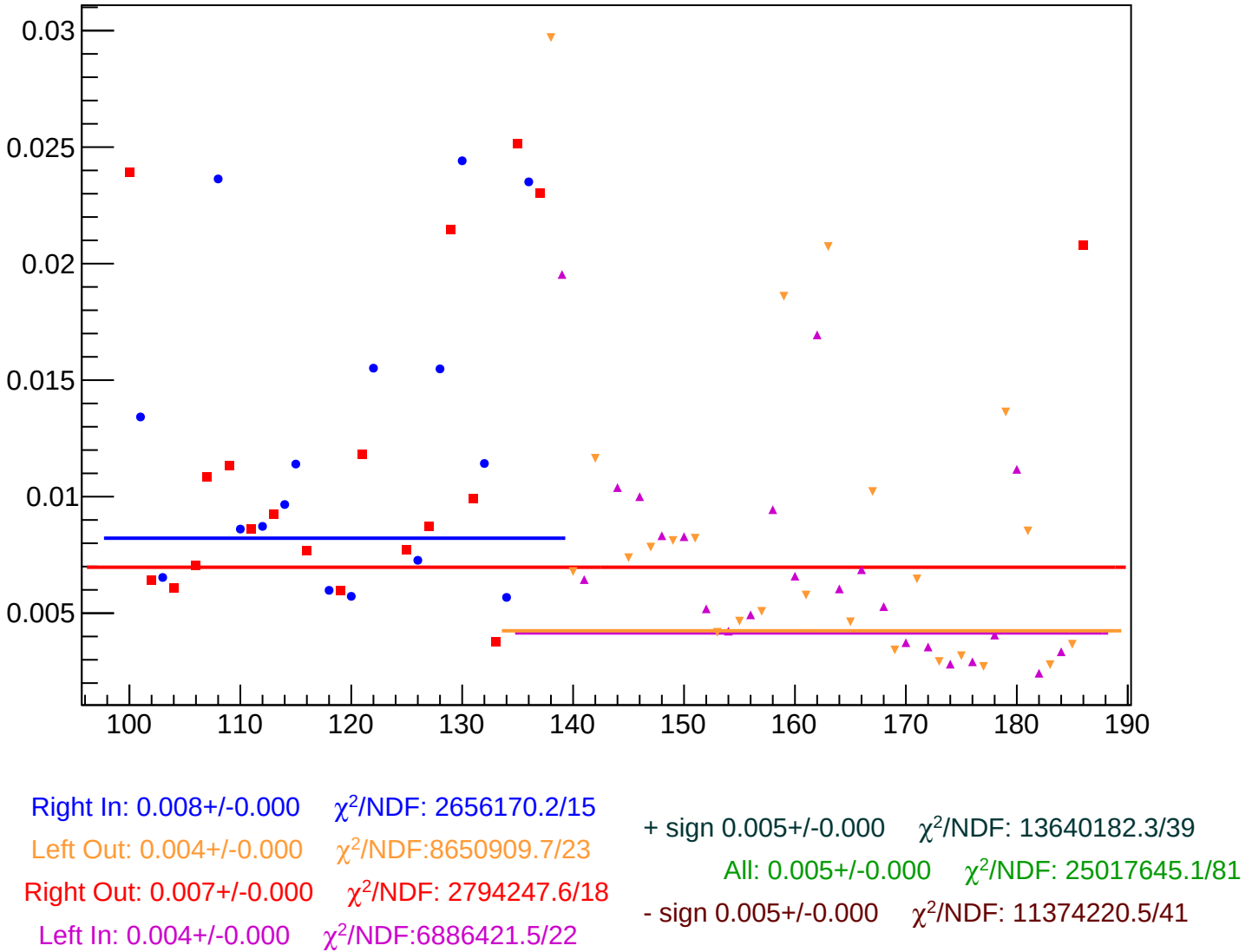
Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

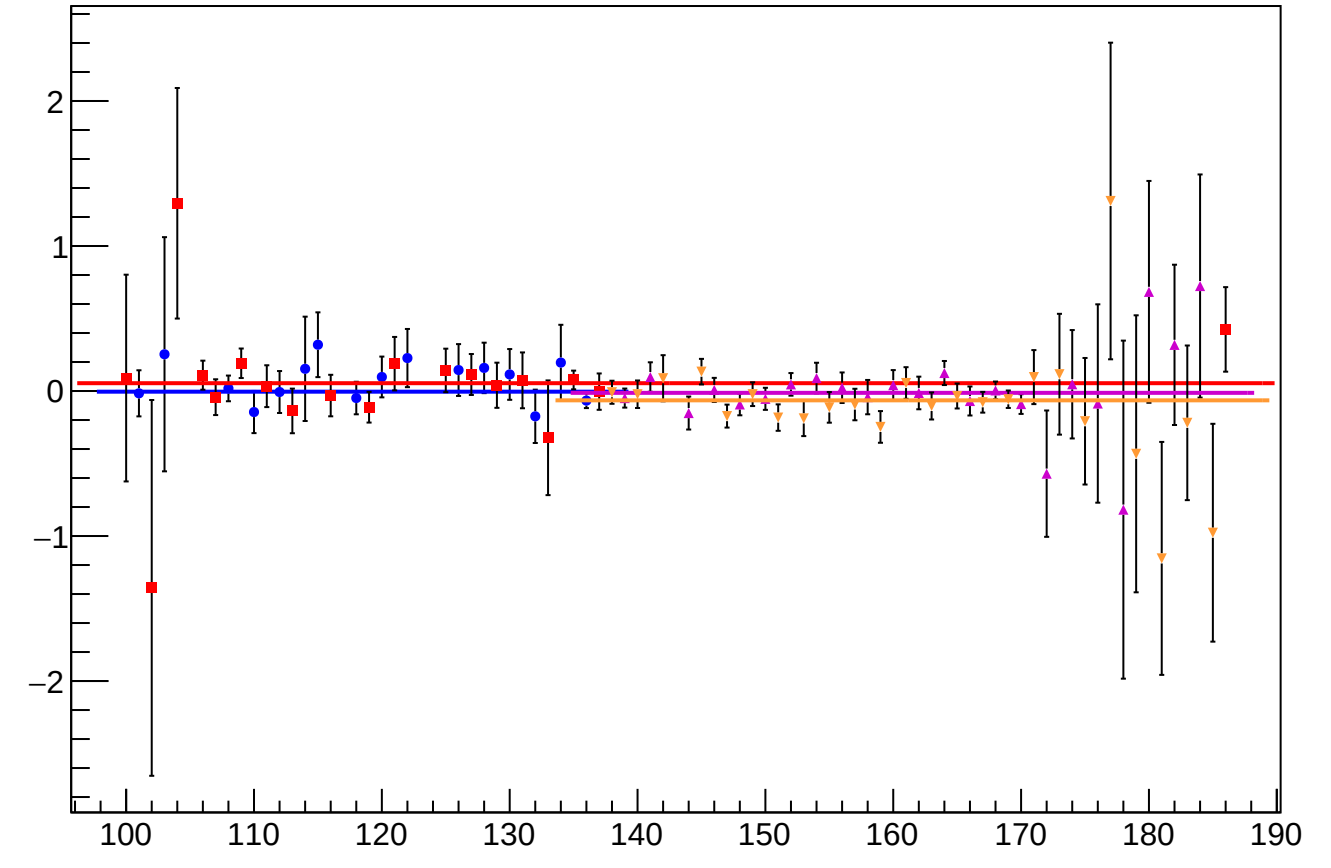
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.5/39

All: 0.000+/-0.000 χ^2/NDF: 95.5/81

- sign 0.000+/-0.000 χ^2/NDF: 44.6/41


asym_us_dd_at2lr_dd_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: 0.008+/-0.000 χ²/NDF: 2656170.2/15
Left Out: 0.004+/-0.000 χ²/NDF:8650909.7/23
Right Out: 0.007+/-0.000 χ²/NDF: 2794247.6/18
Left In: 0.004+/-0.000 χ²/NDF:6886421.5/22
+ sign 0.005+/-0.000 χ²/NDF: 13640182.3/39
All: 0.005+/-0.000 χ²/NDF: 25017645.1/81
- sign 0.005+/-0.000 χ²/NDF: 11374220.5/41



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

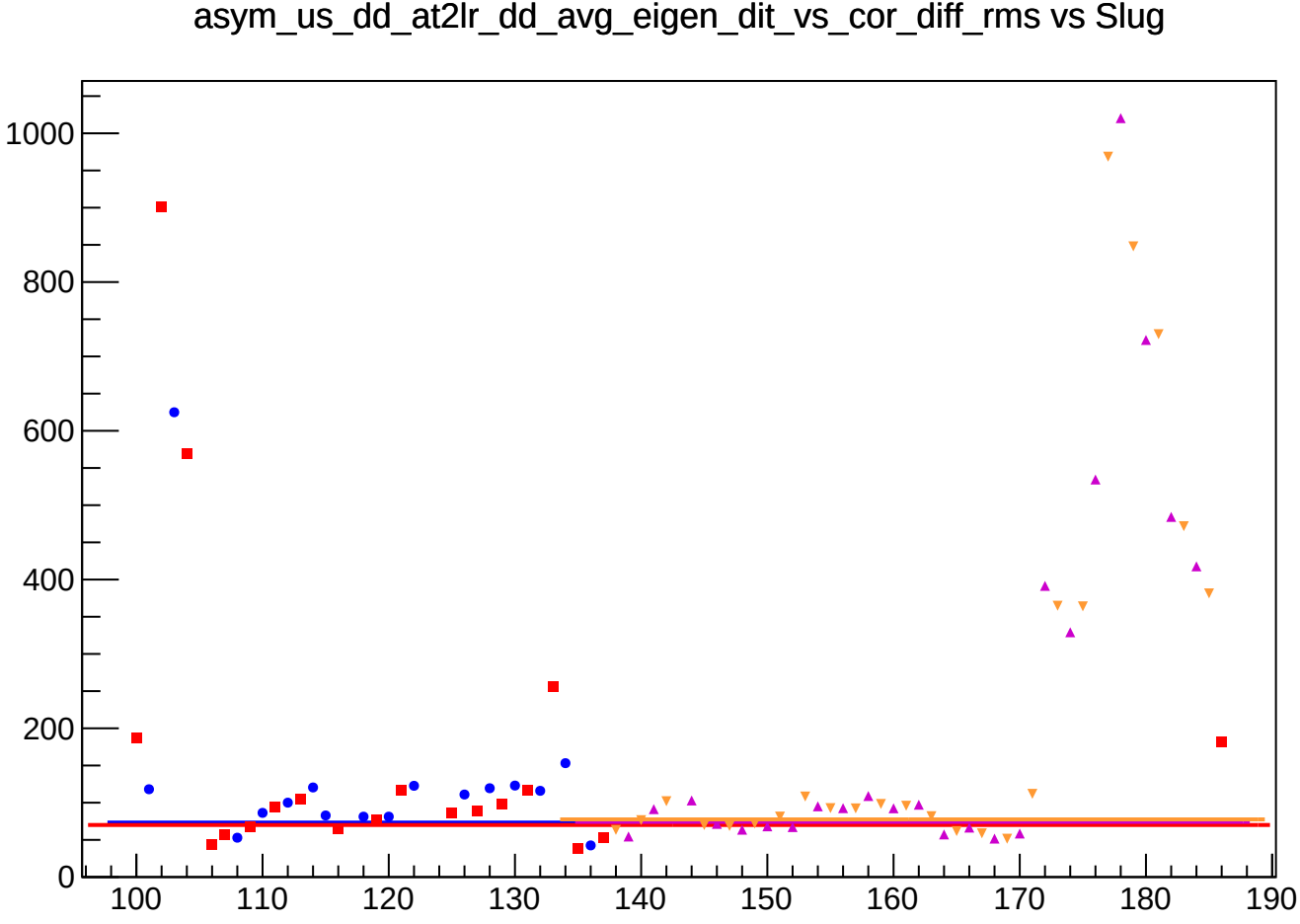
Right Out: 0.054+/-0.031 χ^2/NDF: 14.7/18

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.045+/-0.018 χ^2/NDF: 35.0/39

All: -0.018+/-0.013 χ^2/NDF: 72.2/81

- sign 0.008+/-0.018 χ^2/NDF: 32.8/41



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 70.032+/-0.022 χ^2/NDF: 3630853.7/18

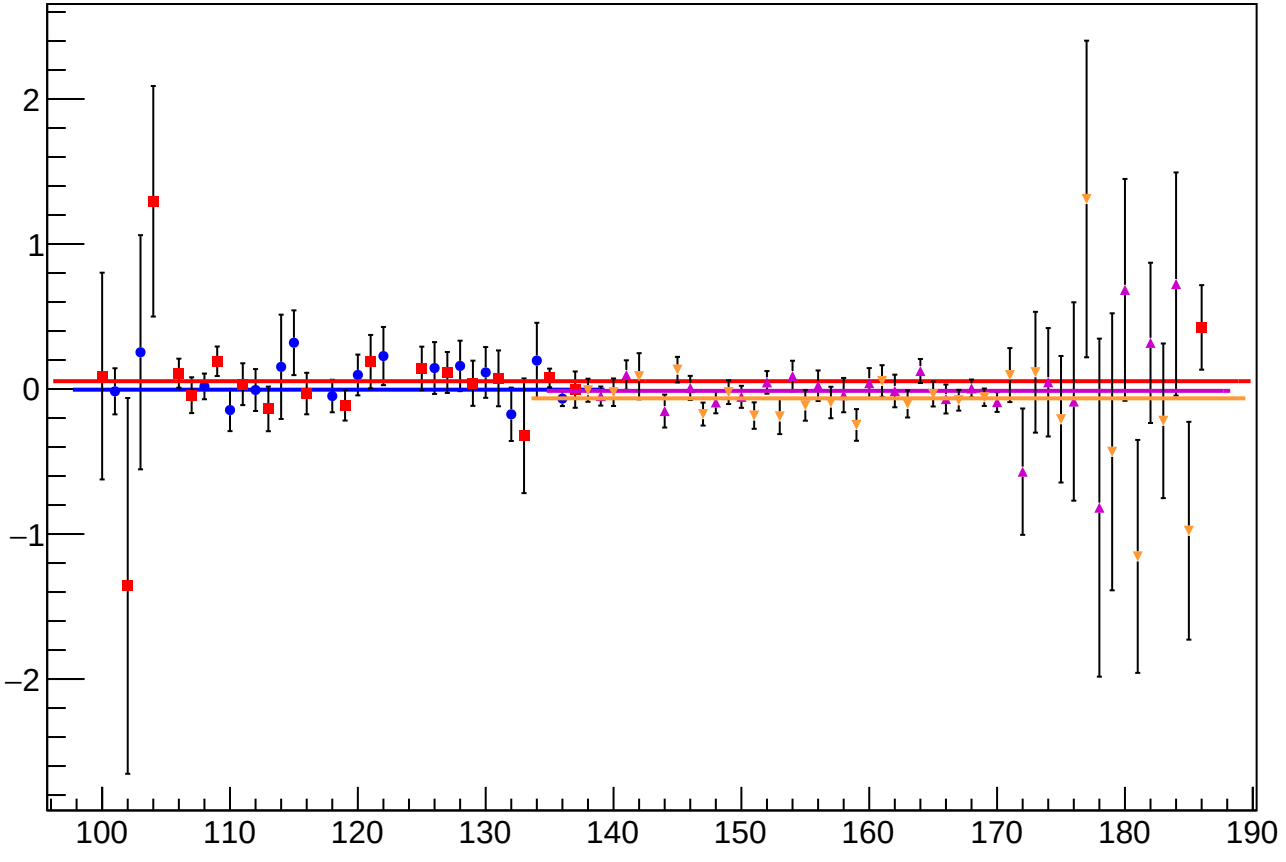
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 76.166+/-0.013 χ^2/NDF: 11207322.9/39

All: 74.479+/-0.009 χ^2/NDF: 23409326.5/81

- 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



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

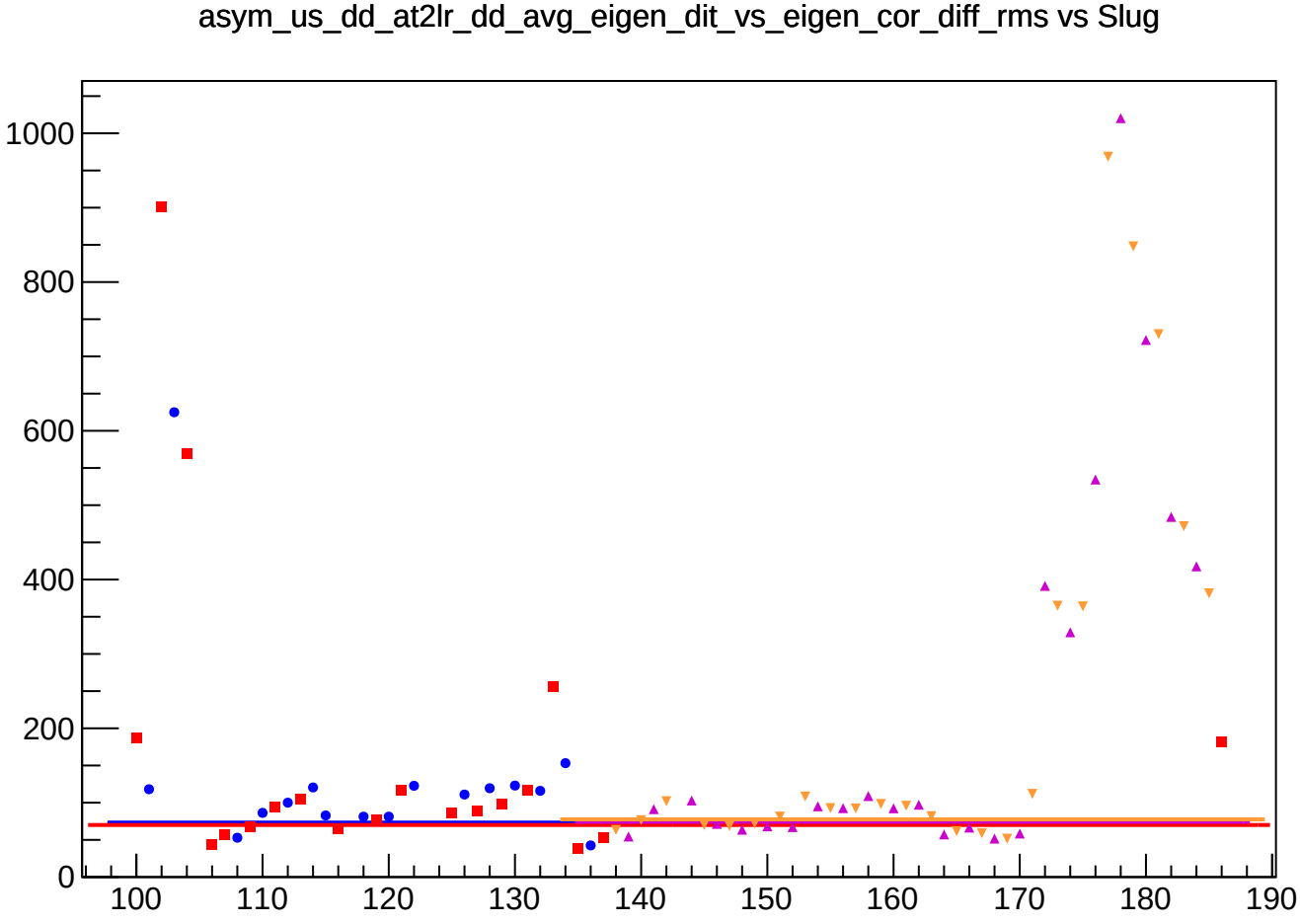
Right Out: 0.054+/-0.031 χ^2/NDF: 14.7/18

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.045+/-0.018 χ^2/NDF: 35.0/39

All: -0.018+/-0.013 χ^2/NDF: 72.2/81

- sign 0.008+/-0.018 χ^2/NDF: 32.8/41



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

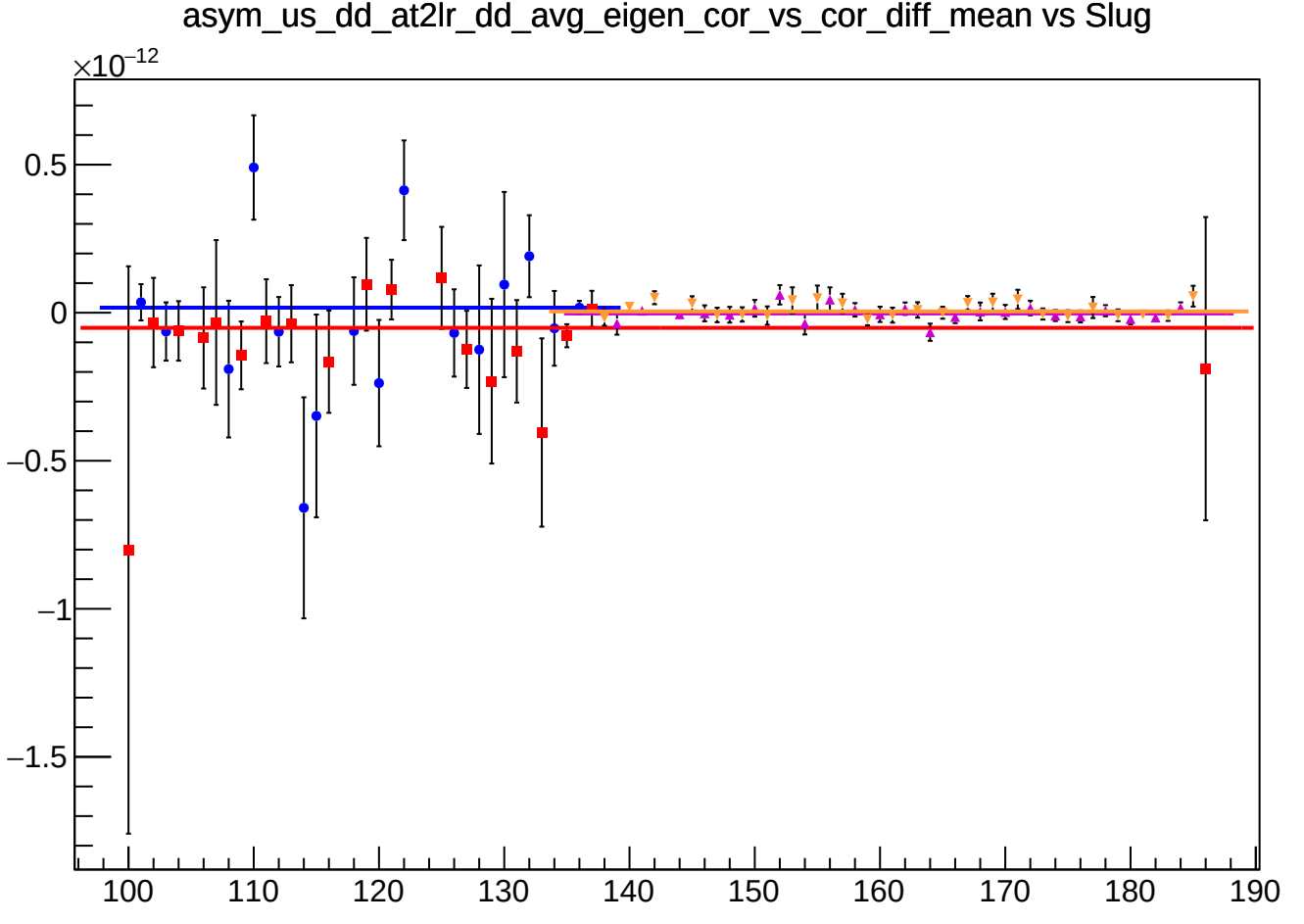
Right Out: 70.032+/-0.022 χ^2/NDF: 3630853.7/18

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 76.166+/-0.013 χ^2/NDF: 11207322.9/39

All: 74.479+/-0.009 χ^2/NDF: 23409326.5/81

- sign 72.917+/-0.012 χ^2/NDF: 12169024.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

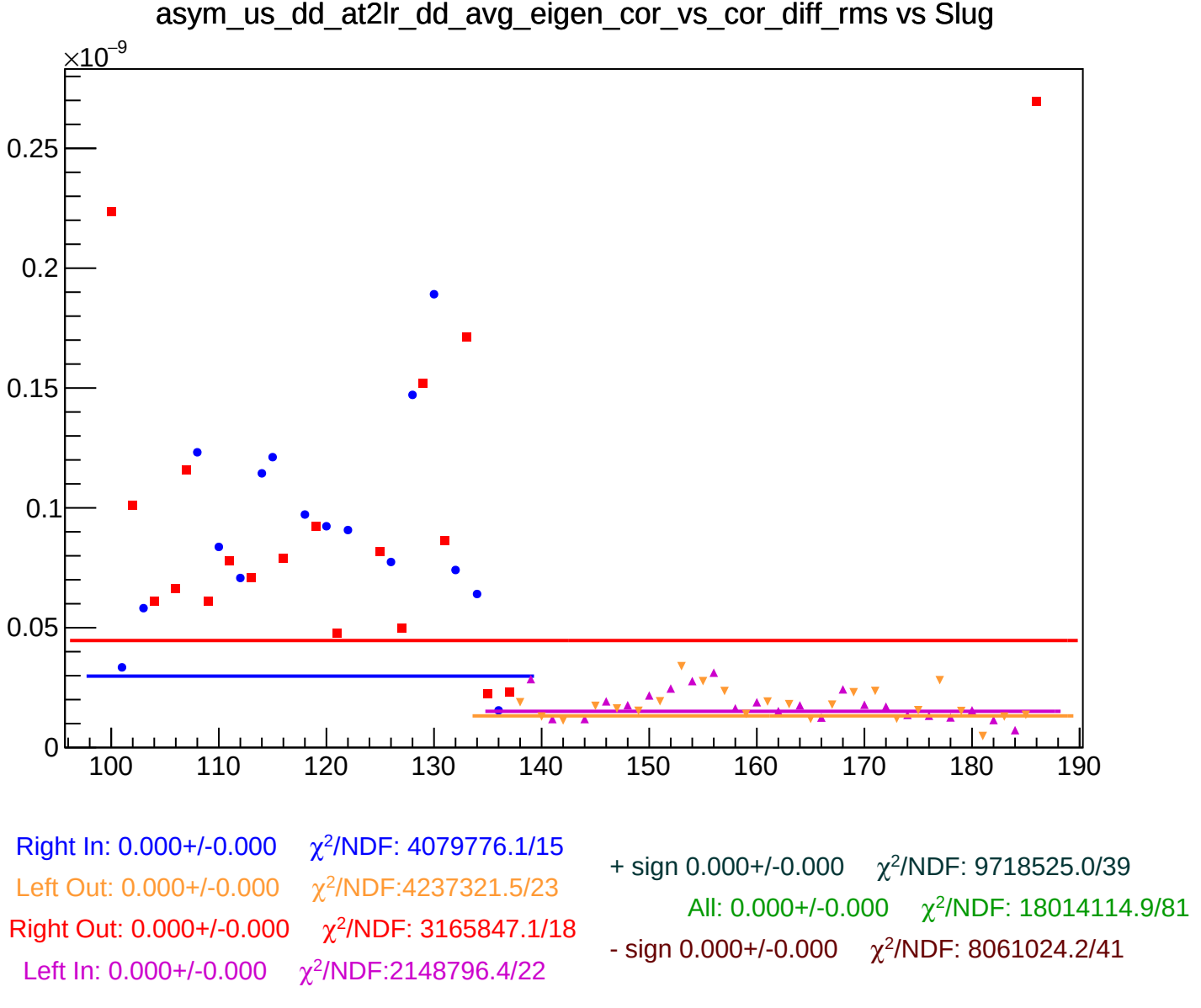
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

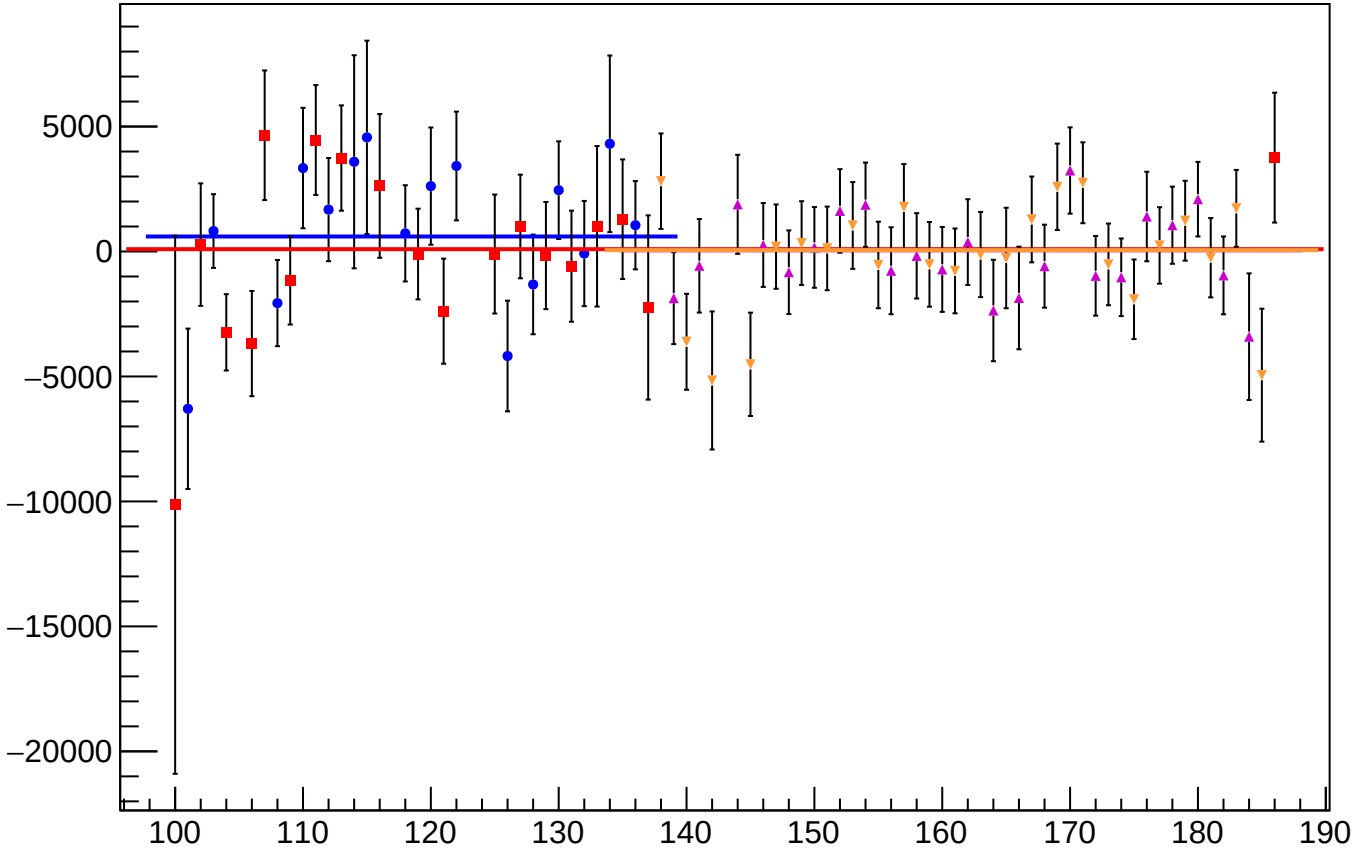
+ sign 0.000+/-0.000 χ^2/NDF: 45.5/39

All: 0.000+/-0.000 χ^2/NDF: 78.0/81

- sign -0.000+/-0.000 χ^2/NDF: 30.4/41


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:4237321.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 3165847.1/18
Left In: 0.000+/-0.000 χ²/NDF:2148796.4/22
+ sign 0.000+/-0.000 χ²/NDF: 9718525.0/39
All: 0.000+/-0.000 χ²/NDF: 18014114.9/81
- sign 0.000+/-0.000 χ²/NDF: 8061024.2/41

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 93.436+/-519.498 χ^2/NDF: 24.6/18

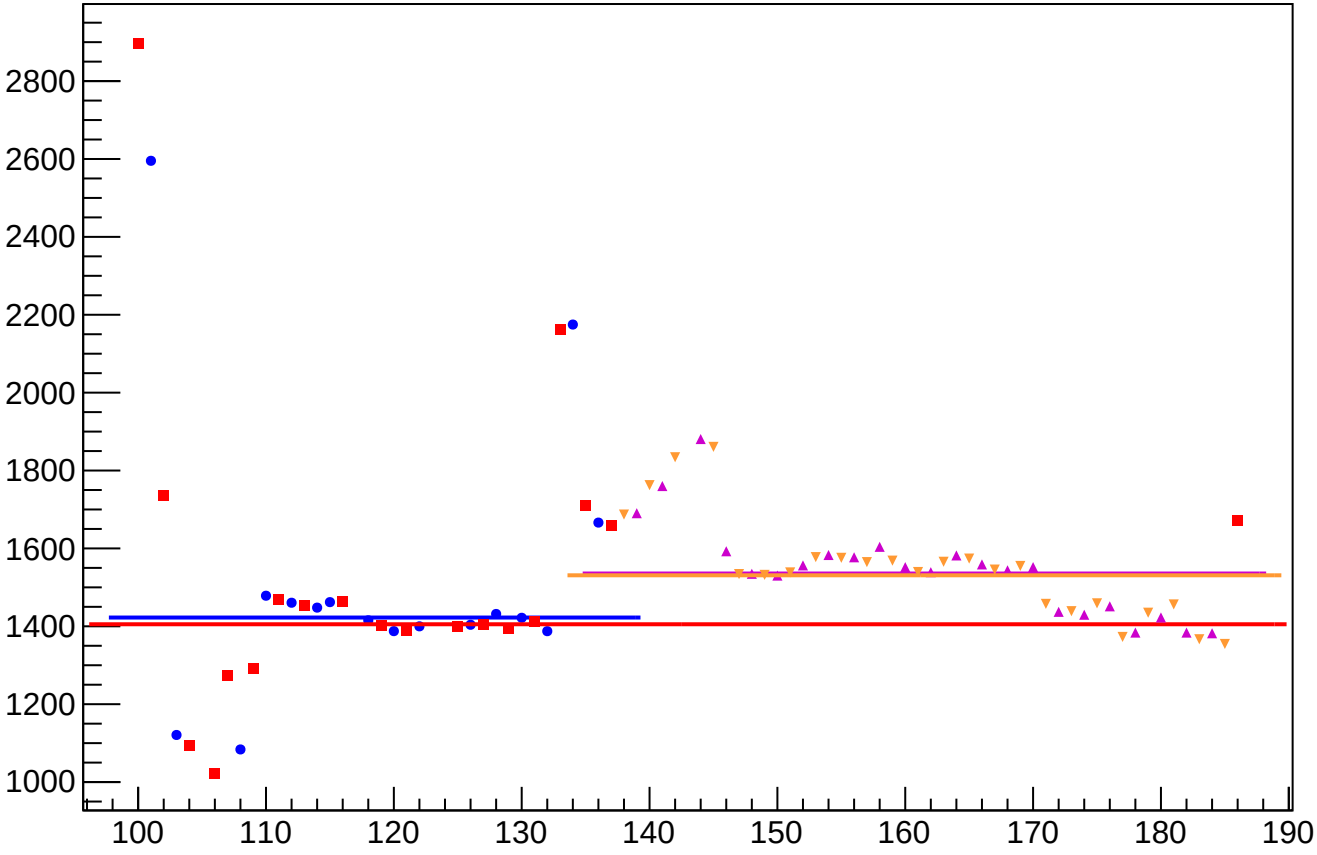
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 220.213+/-297.449 χ^2/NDF: 49.5/39

All: 141.042+/-209.684 χ^2/NDF: 91.0/81

- sign 62.834+/-295.636 χ^2/NDF: 41.4/41

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

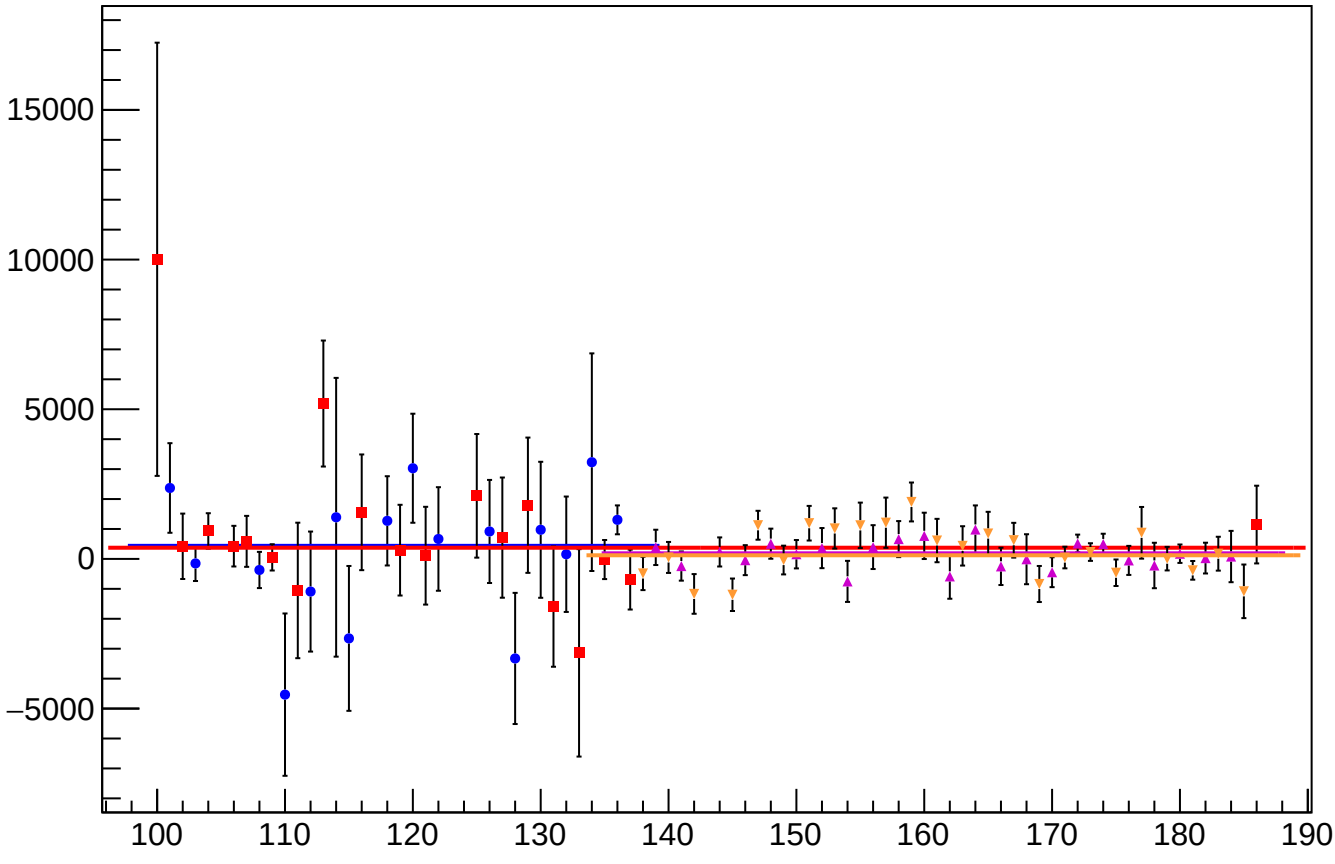
Right Out: 1405.250+/-0.367 χ^2/NDF: 415505.1/18

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1498.074+/-0.210 χ^2/NDF: 819996.5/39

All: 1495.698+/-0.148 χ^2/NDF: 1513263.1/81

- sign 1493.352+/-0.209 χ^2/NDF: 693013.2/41



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: 373.654+/-230.046 χ^2/NDF: 14.3/18

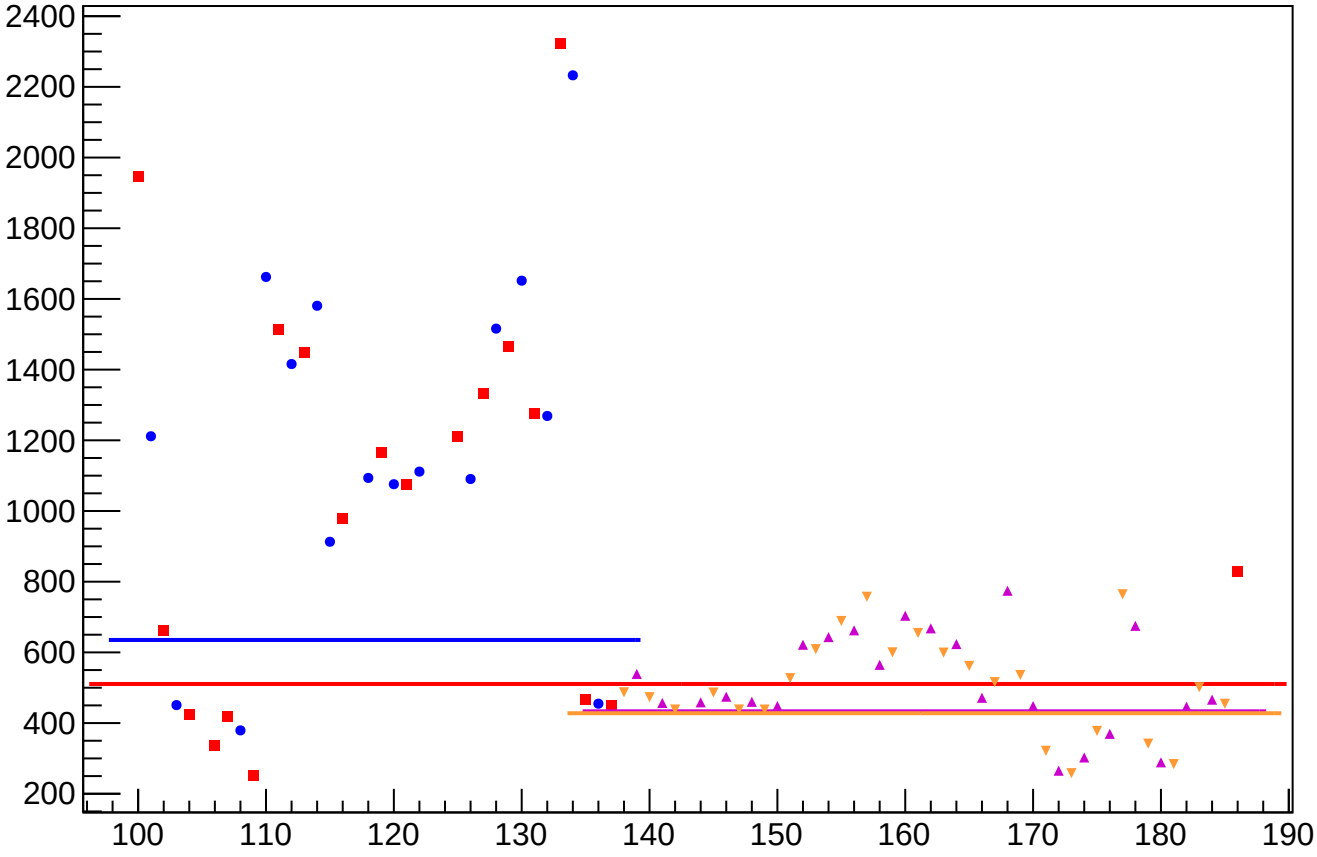
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 161.237+/-98.183 χ^2/NDF: 64.1/39

All: 190.997+/-69.004 χ^2/NDF: 90.7/81

- sign 220.044+/-97.001 χ^2/NDF: 26.4/41

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

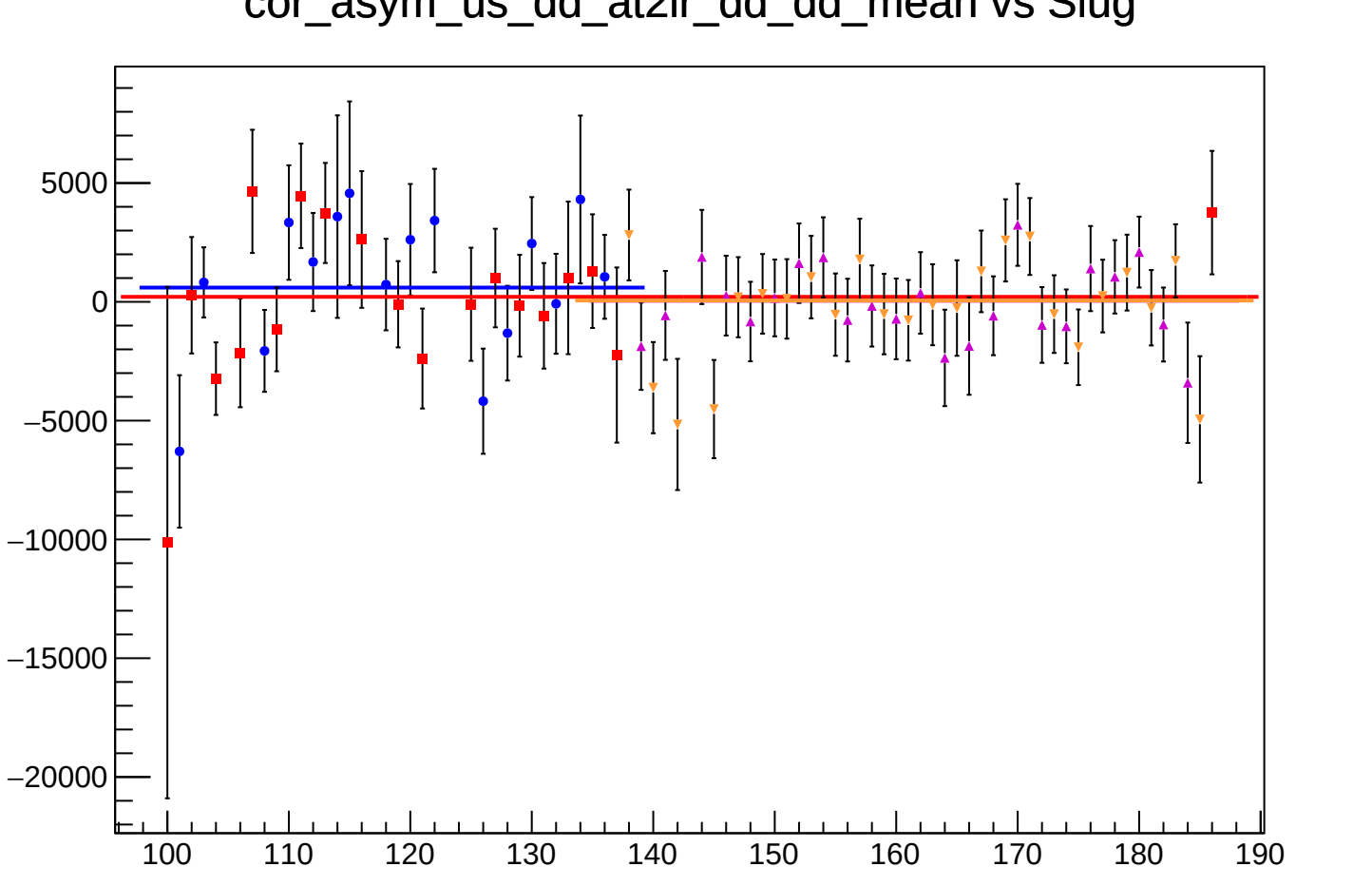
Right Out: 510.591+/-0.163 χ^2/NDF: 4434225.6/18

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 454.066+/-0.069 χ^2/NDF: 7926931.2/39

All: 450.505+/-0.049 χ^2/NDF: 15800064.5/81

- sign 447.028+/-0.069 χ^2/NDF: 7867932.8/41



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 209.510+/-521.962 χ^2/NDF: 22.3/18

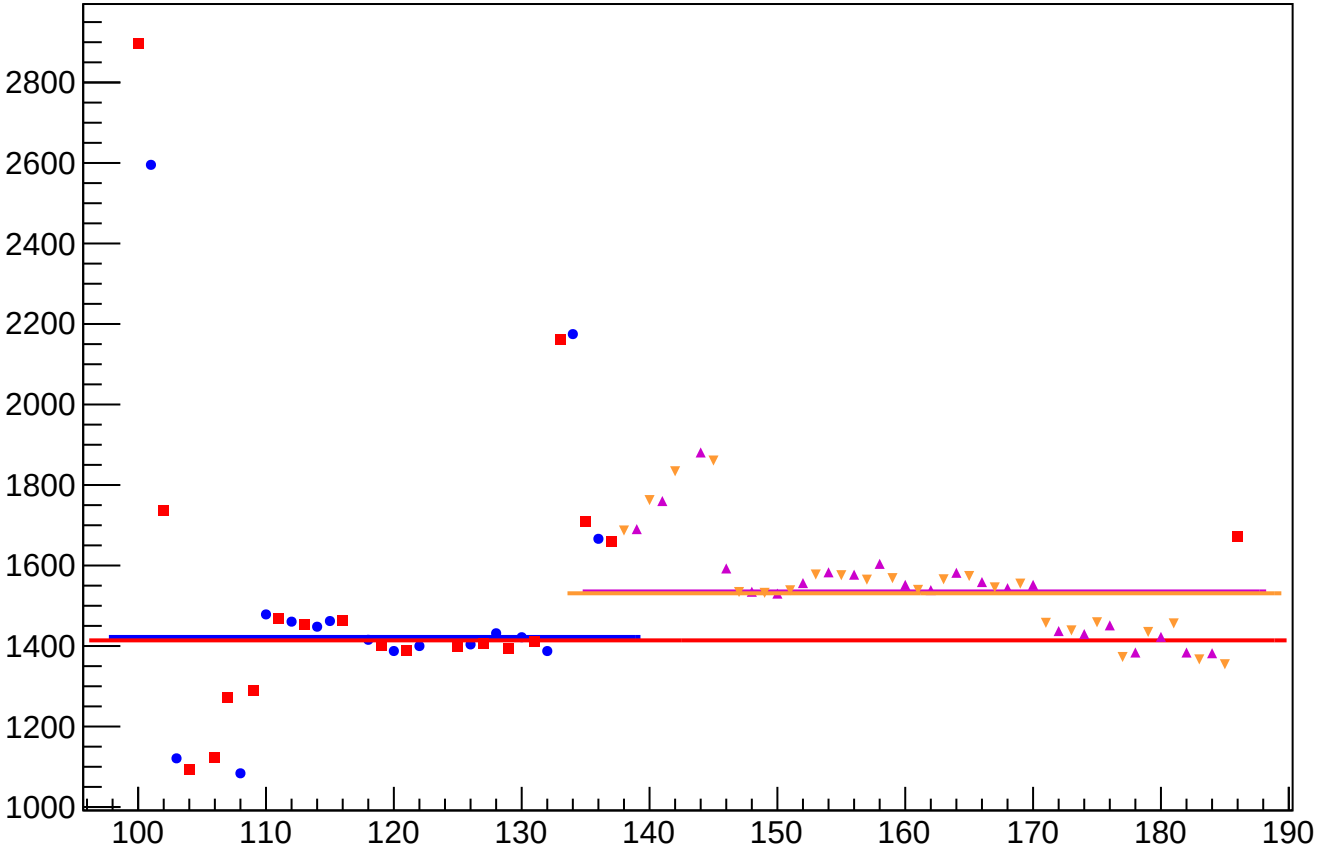
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

\+ sign 220.149+/-297.449 χ^2/NDF: 49.5/39

All: 159.872+/-209.845 χ^2/NDF: 88.7/81

\- sign 100.145+/-296.088 χ^2/NDF: 39.1/41

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

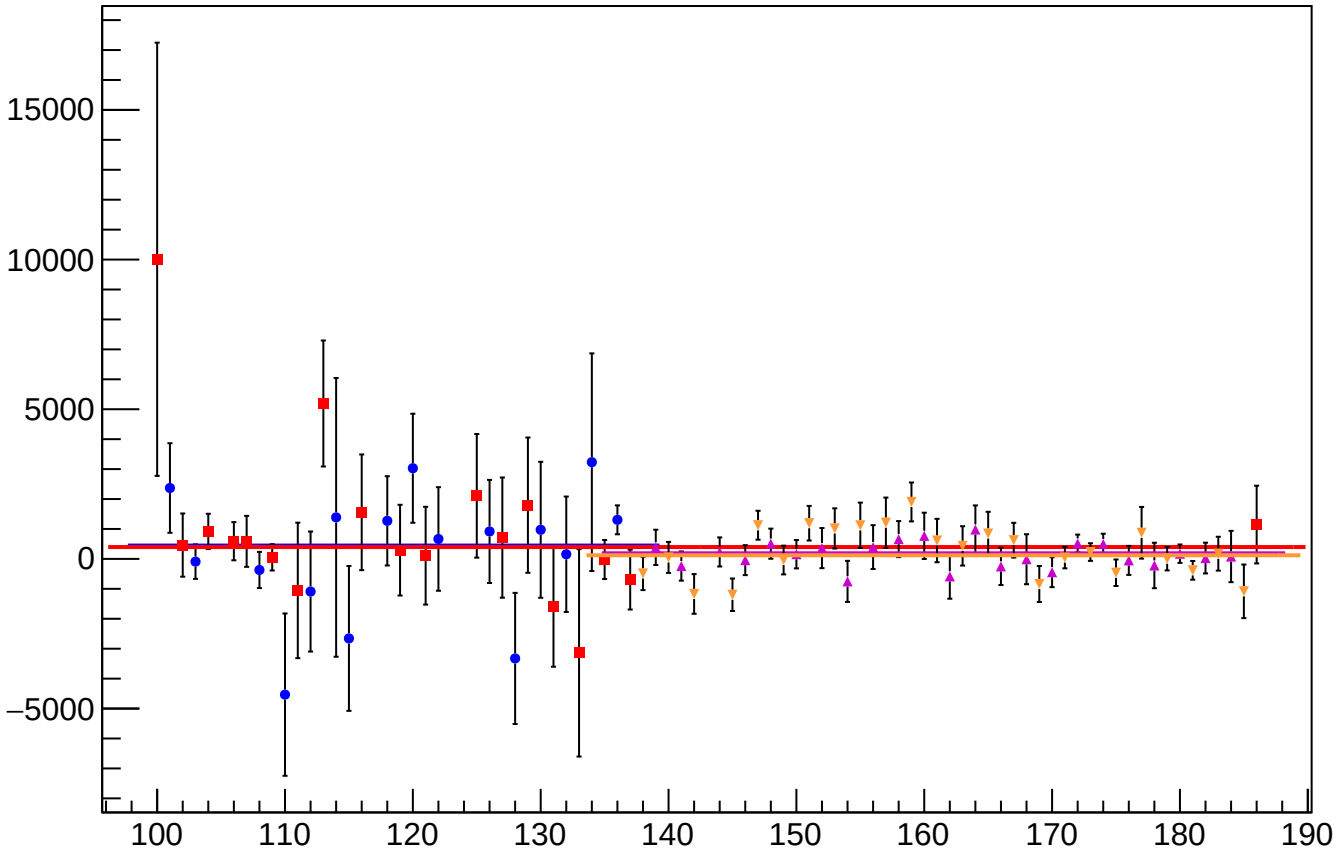
Right Out: 1414.039+/-0.369 χ^2/NDF: 379541.4/18

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1498.073+/-0.210 χ^2/NDF: 819996.8/39

All: 1497.258+/-0.148 χ^2/NDF: 1465513.6/81

- sign 1496.450+/-0.209 χ^2/NDF: 645486.9/41



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: 396.390+/-227.765 χ^2/NDF: 14.3/18

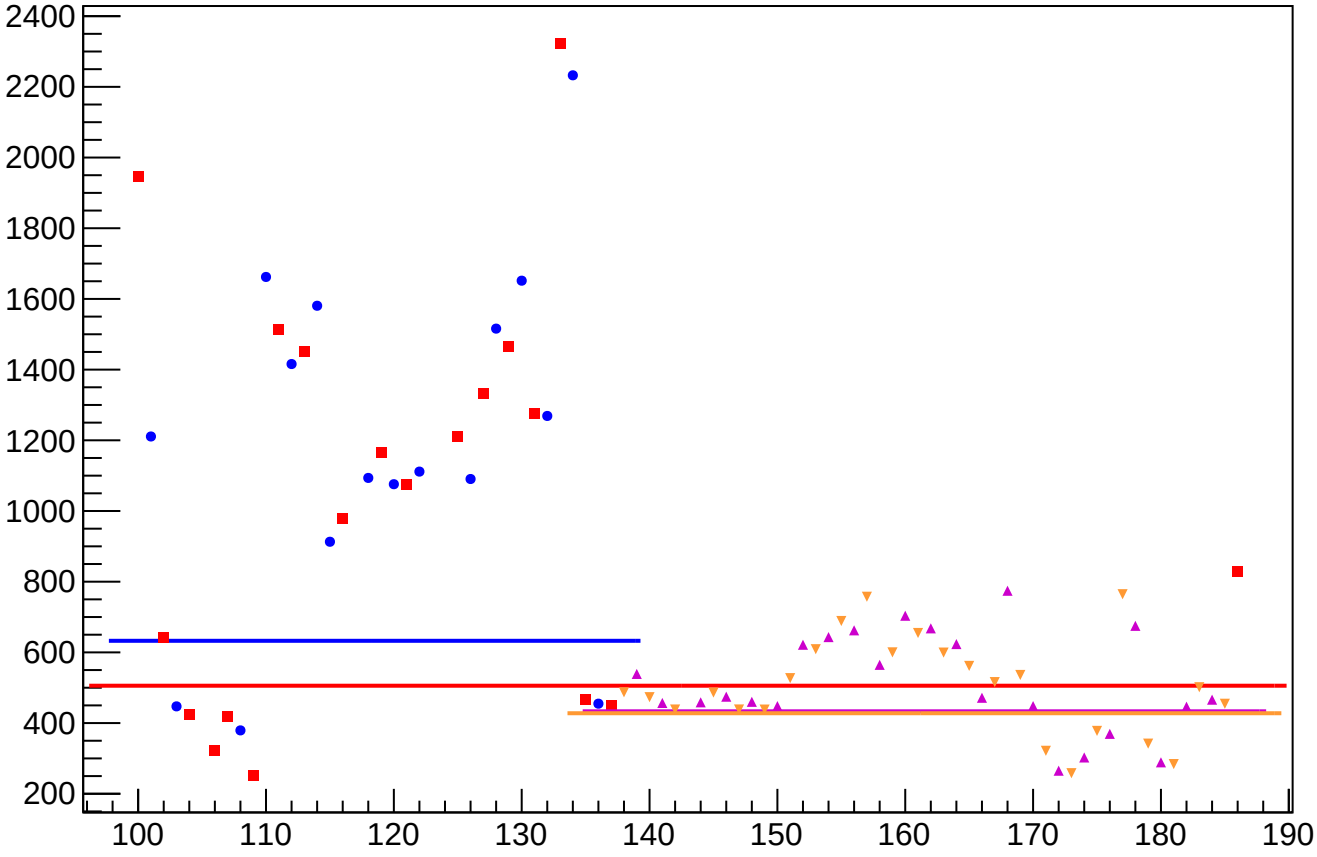
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

\+ sign 162.634+/-98.130 χ^2/NDF: 64.0/39

All: 194.169+/-68.923 χ^2/NDF: 90.9/81

\- sign 224.872+/-96.827 χ^2/NDF: 26.6/41

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

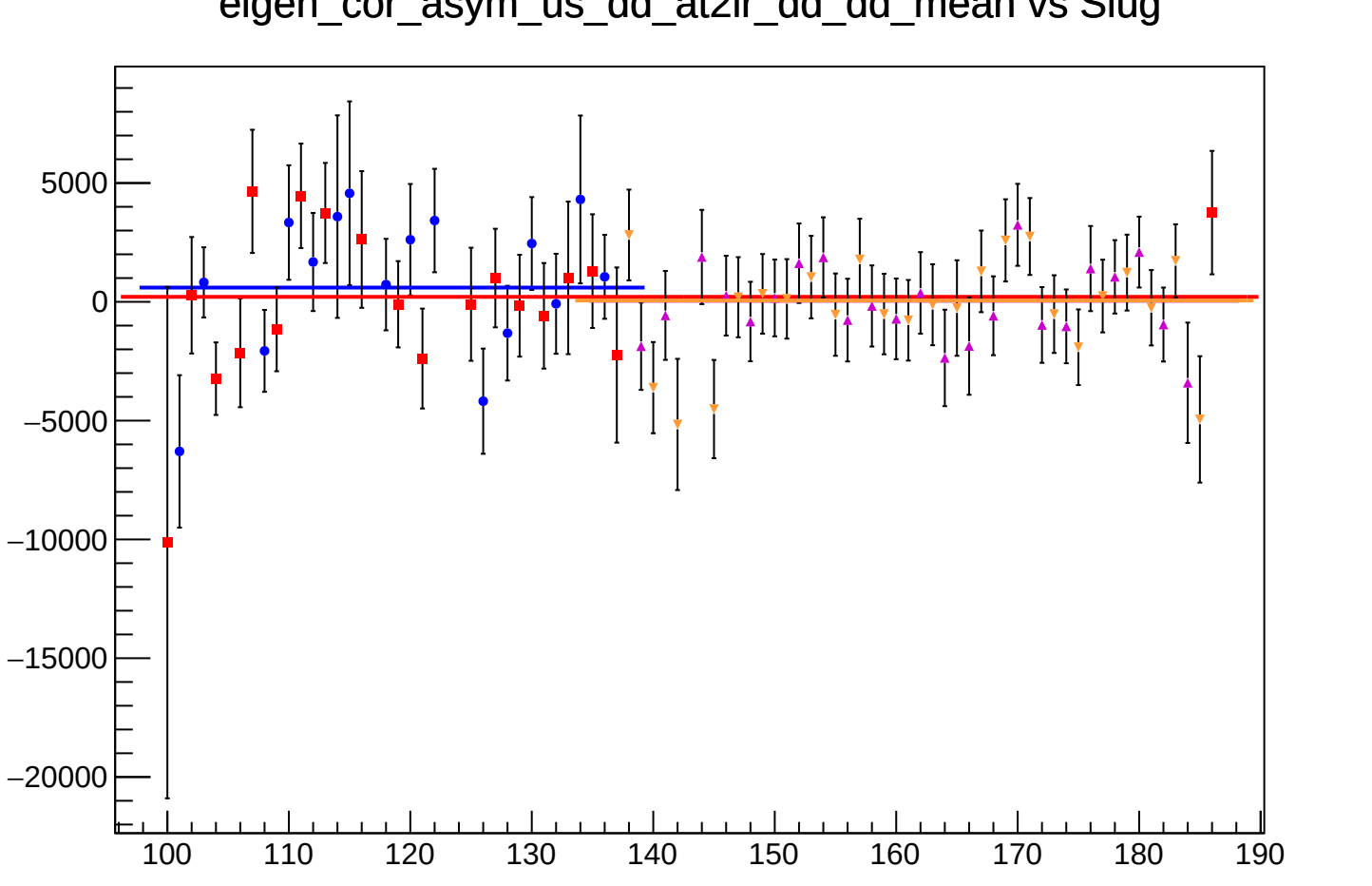
Right Out: 505.685+/-0.161 χ^2/NDF: 4466407.1/18

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 453.959+/-0.069 χ^2/NDF: 7927019.6/39

All: 450.114+/-0.049 χ^2/NDF: 15812923.1/81

- sign 446.370+/-0.068 χ^2/NDF: 7879841.4/41



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 209.510+/-521.962 χ^2/NDF: 22.3/18

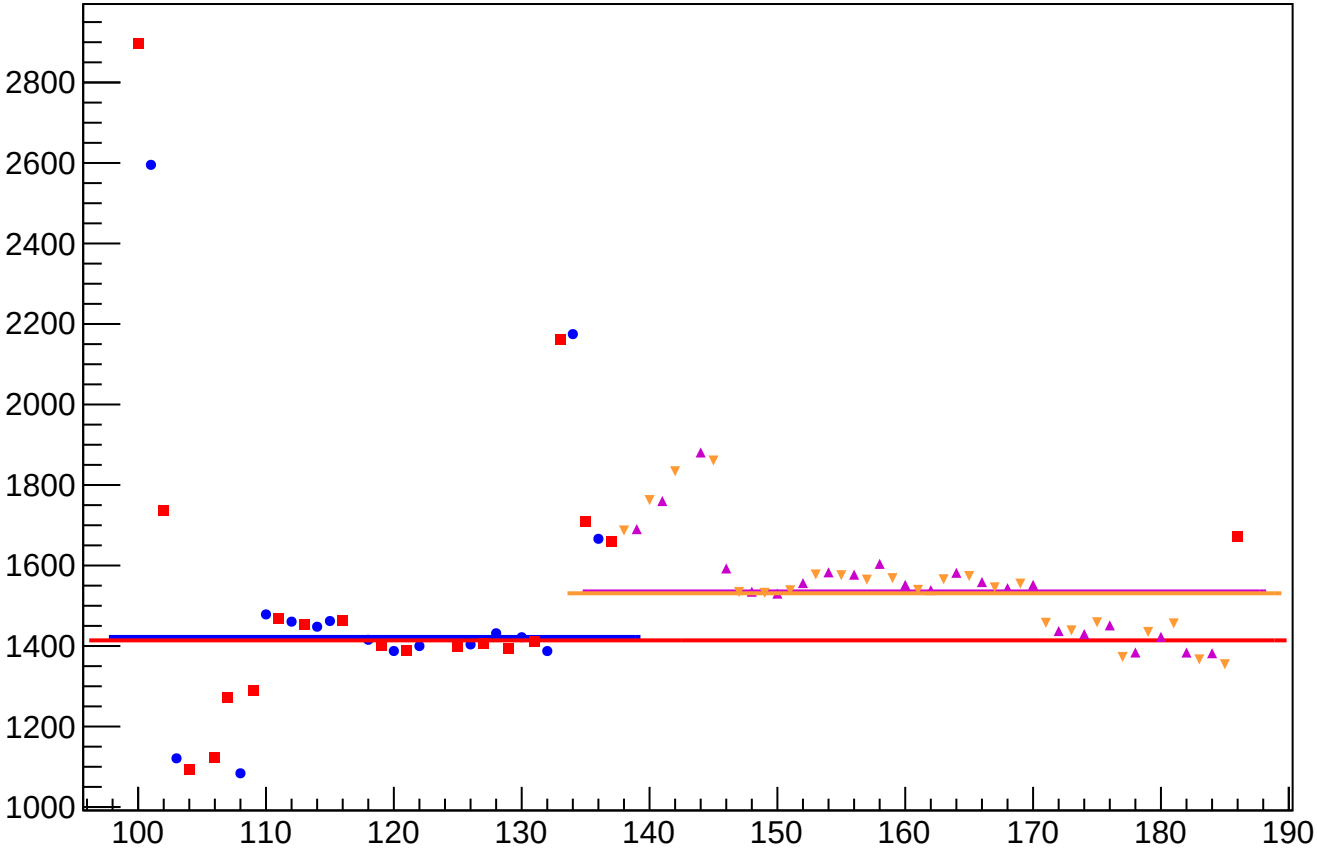
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

\+ sign 220.149+/-297.449 χ^2/NDF: 49.5/39

All: 159.872+/-209.845 χ^2/NDF: 88.7/81

\- sign 100.145+/-296.088 χ^2/NDF: 39.1/41

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

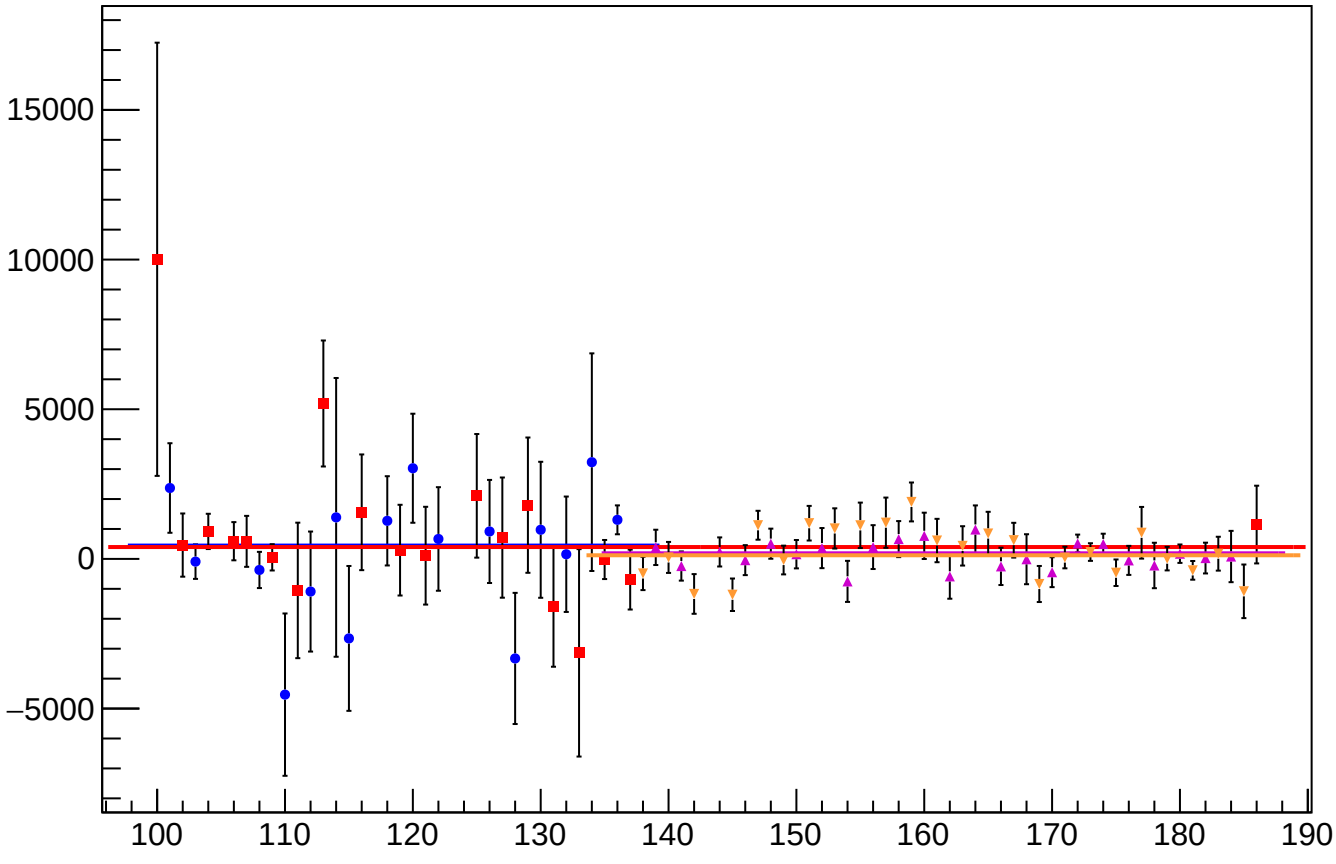
Right Out: 1414.039+/-0.369 χ^2/NDF: 379541.4/18

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1498.073+/-0.210 χ^2/NDF: 819996.8/39

All: 1497.258+/-0.148 χ^2/NDF: 1465513.6/81

- sign 1496.450+/-0.209 χ^2/NDF: 645486.9/41



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

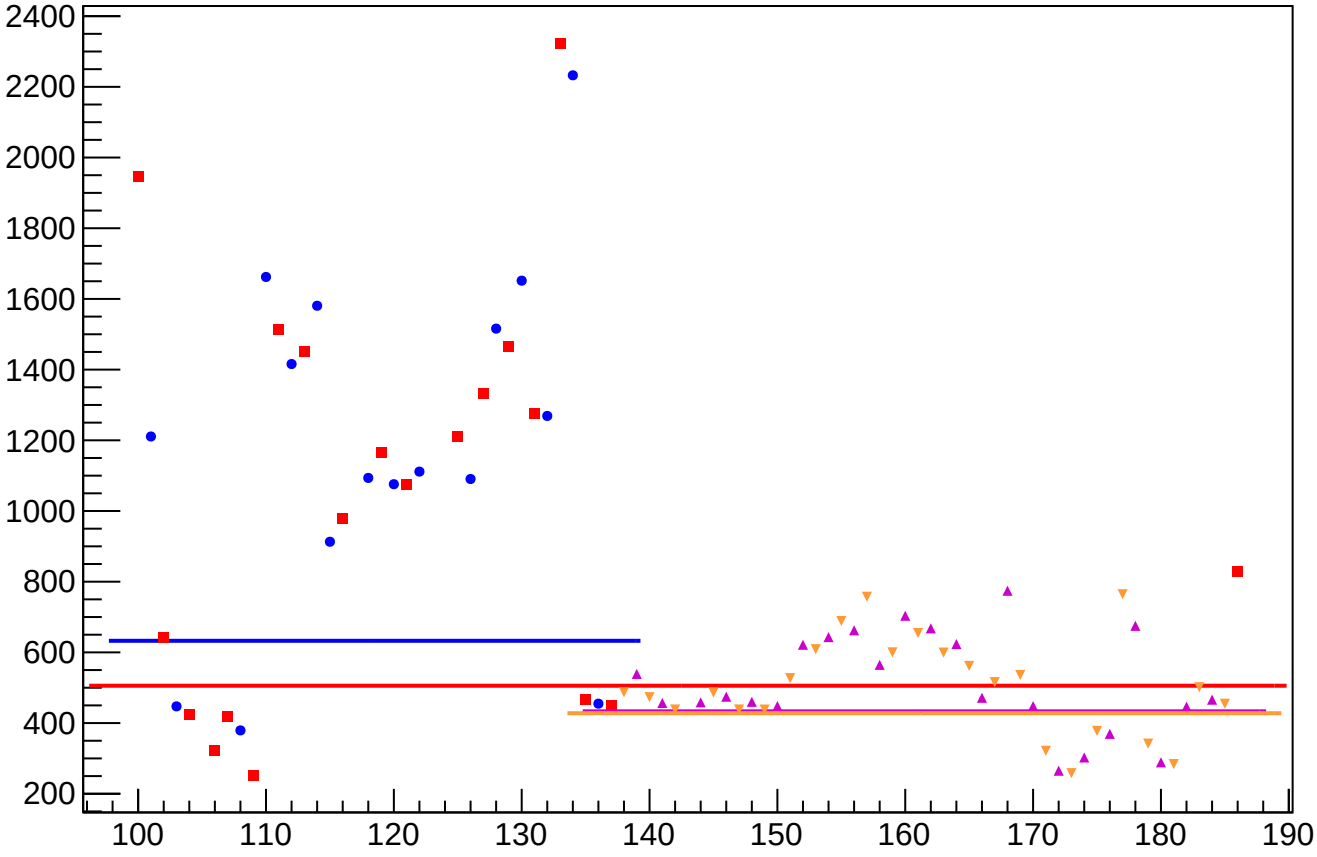
Right Out: 396.390+/-227.765 χ^2/NDF: 14.3/18

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 162.634+/-98.130 χ^2/NDF: 64.0/39

All: 194.169+/-68.923 χ^2/NDF: 90.9/81

- sign 224.872+/-96.827 χ^2/NDF: 26.6/41



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 505.685+/-0.161 χ^2/NDF: 4466407.1/18

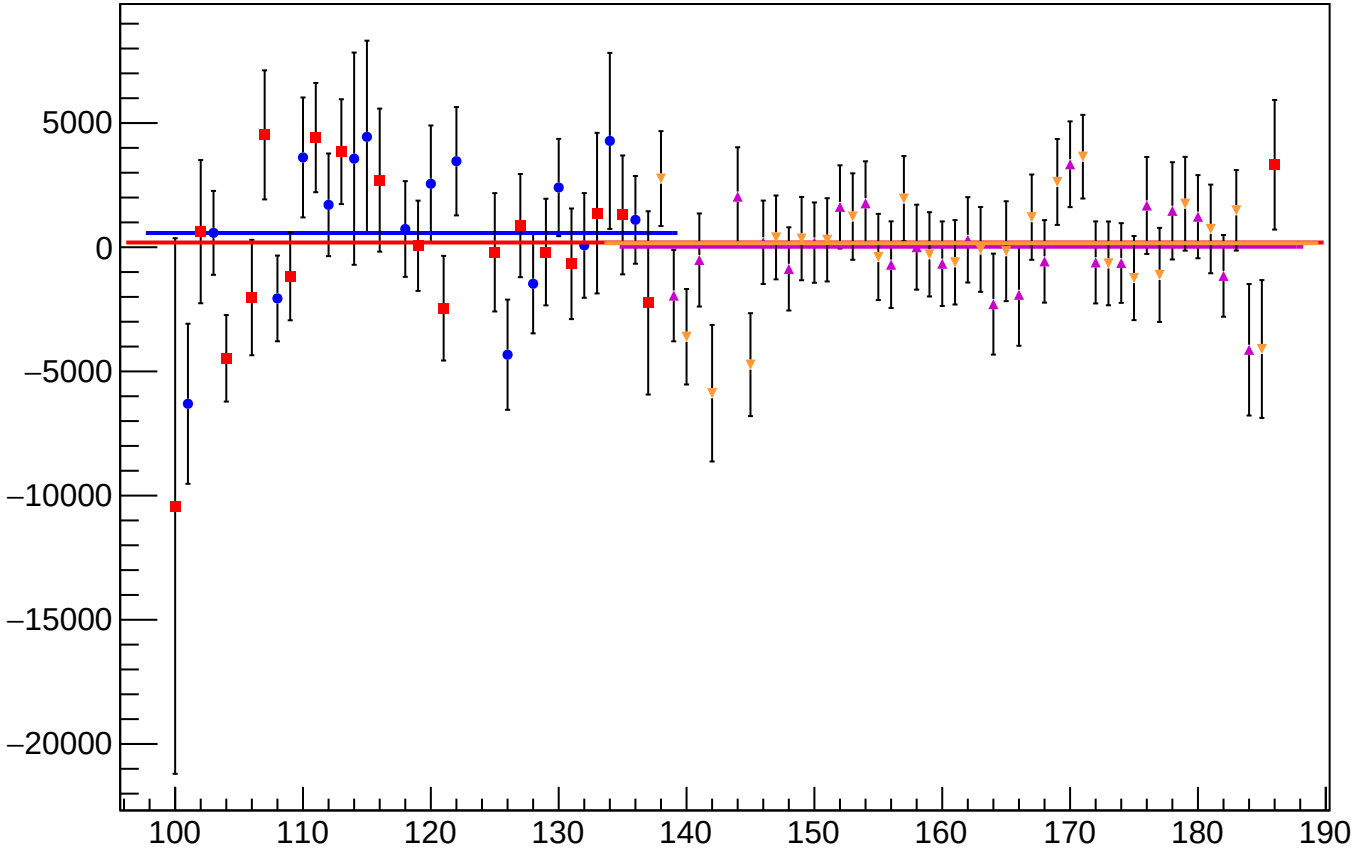
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 453.959+/-0.069 χ^2/NDF: 7927019.6/39

All: 450.114+/-0.049 χ^2/NDF: 15812923.1/81

- sign 446.370+/-0.068 χ^2/NDF: 7879841.4/41

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 190.542+/-533.810 χ^2/NDF: 24.0/18

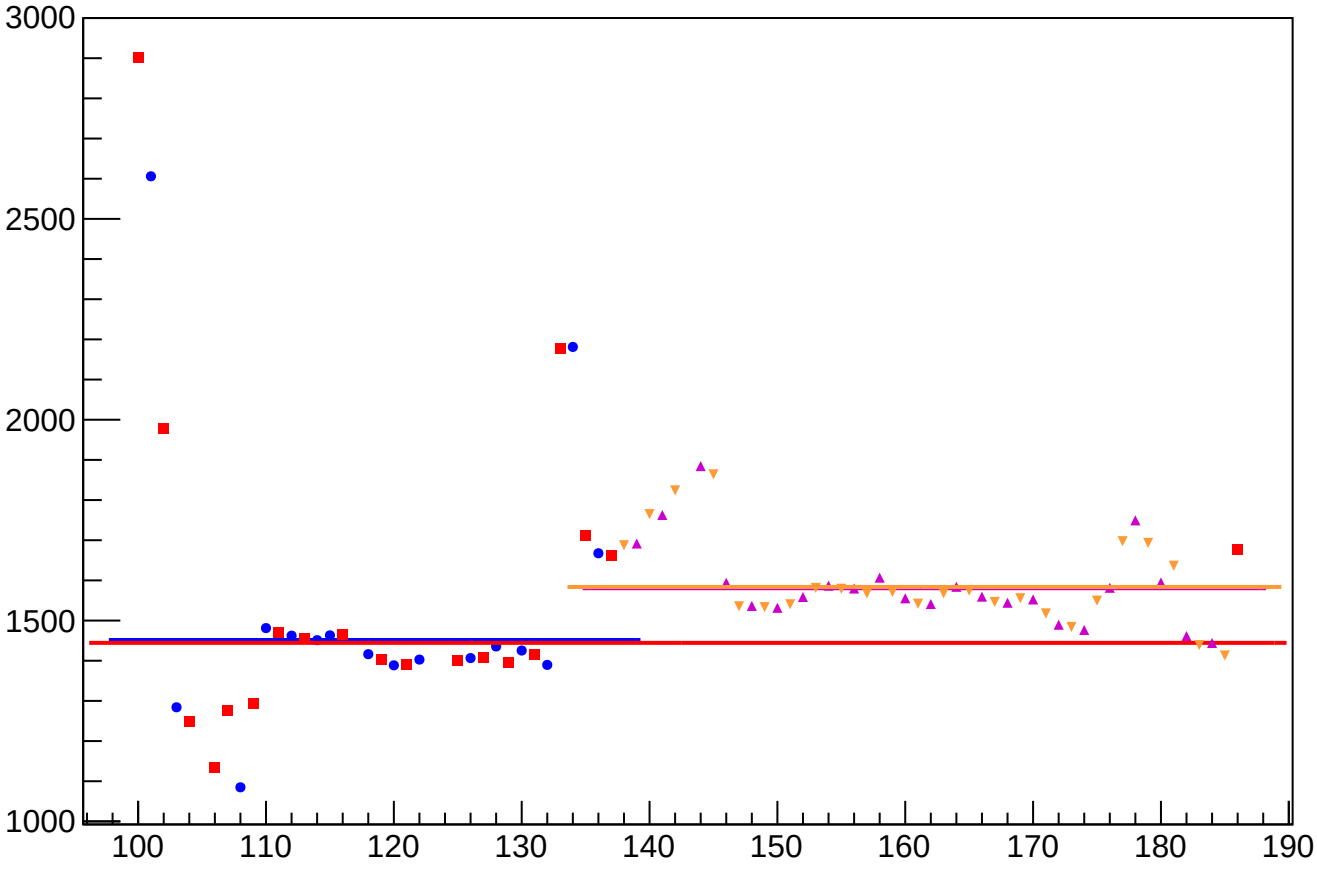
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 288.886+/-305.999 χ^2/NDF: 51.1/39

All: 181.469+/-215.654 χ^2/NDF: 91.4/81

- sign 75.470+/-303.972 χ^2/NDF: 40.1/41

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

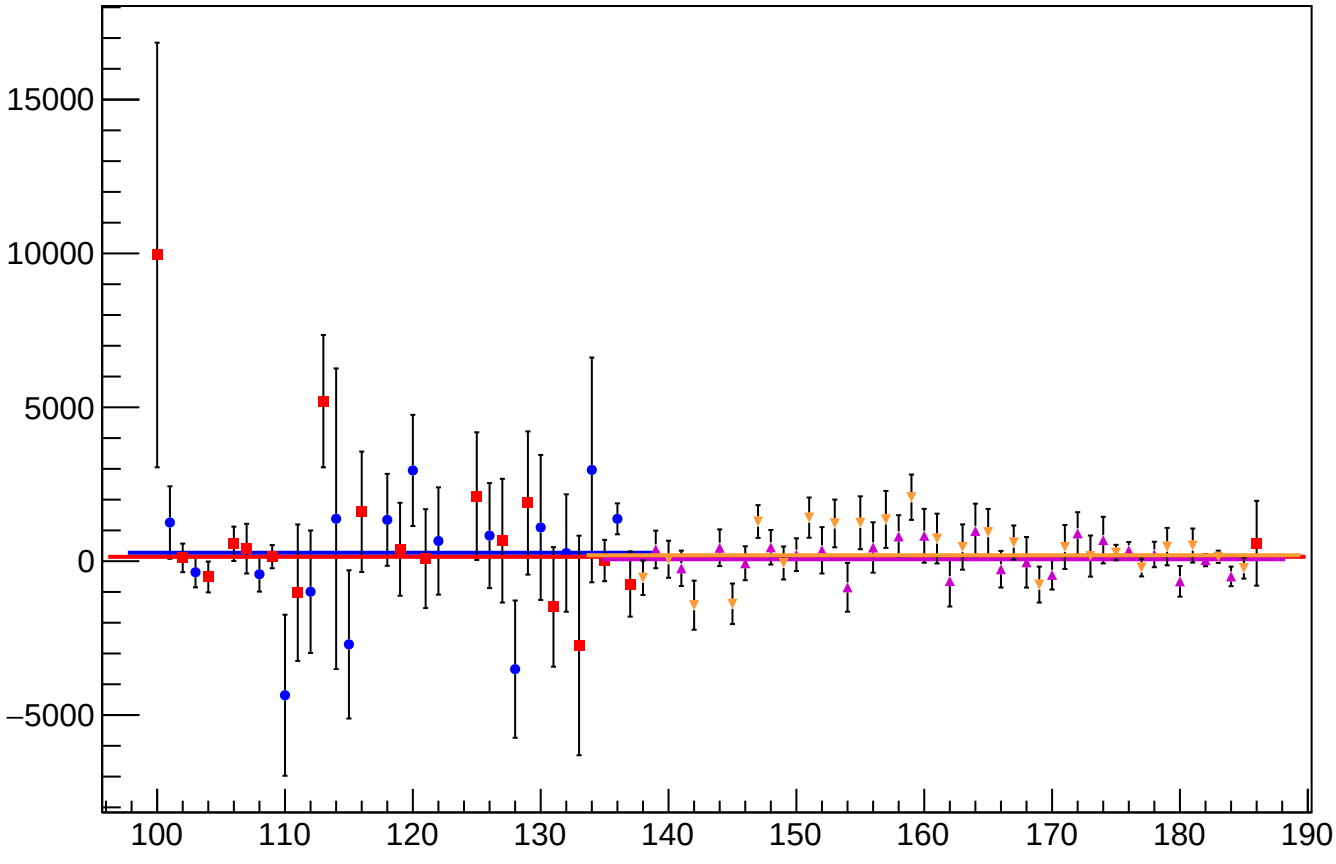
Right Out: 1444.525+/-0.377 χ^2/NDF: 345306.5/18

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1542.731+/-0.216 χ^2/NDF: 701132.2/39

All: 1539.536+/-0.152 χ^2/NDF: 1260262.7/81

- sign 1536.384+/-0.215 χ^2/NDF: 558697.5/41



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

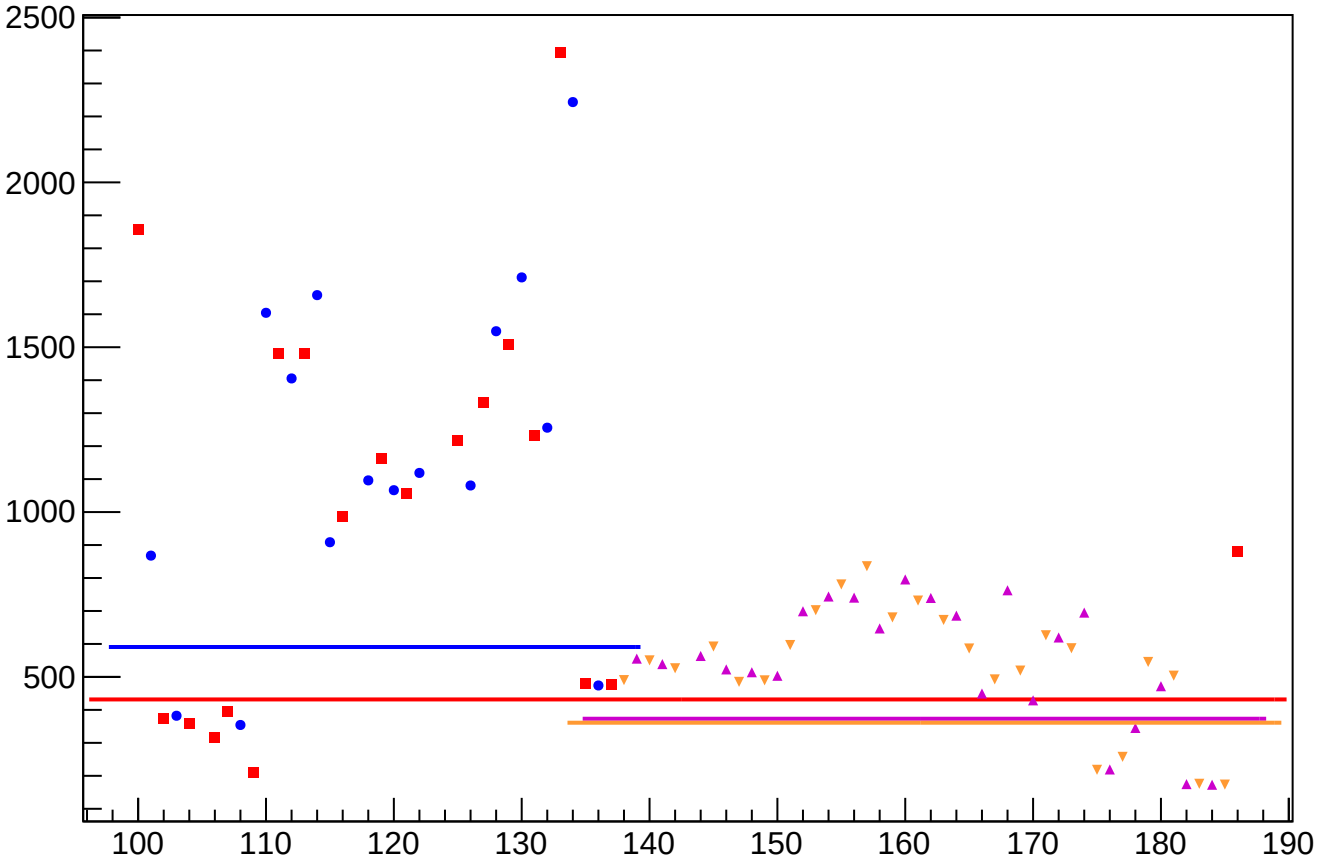
Right Out: 141.476+/-193.982 χ^2/NDF: 14.5/18

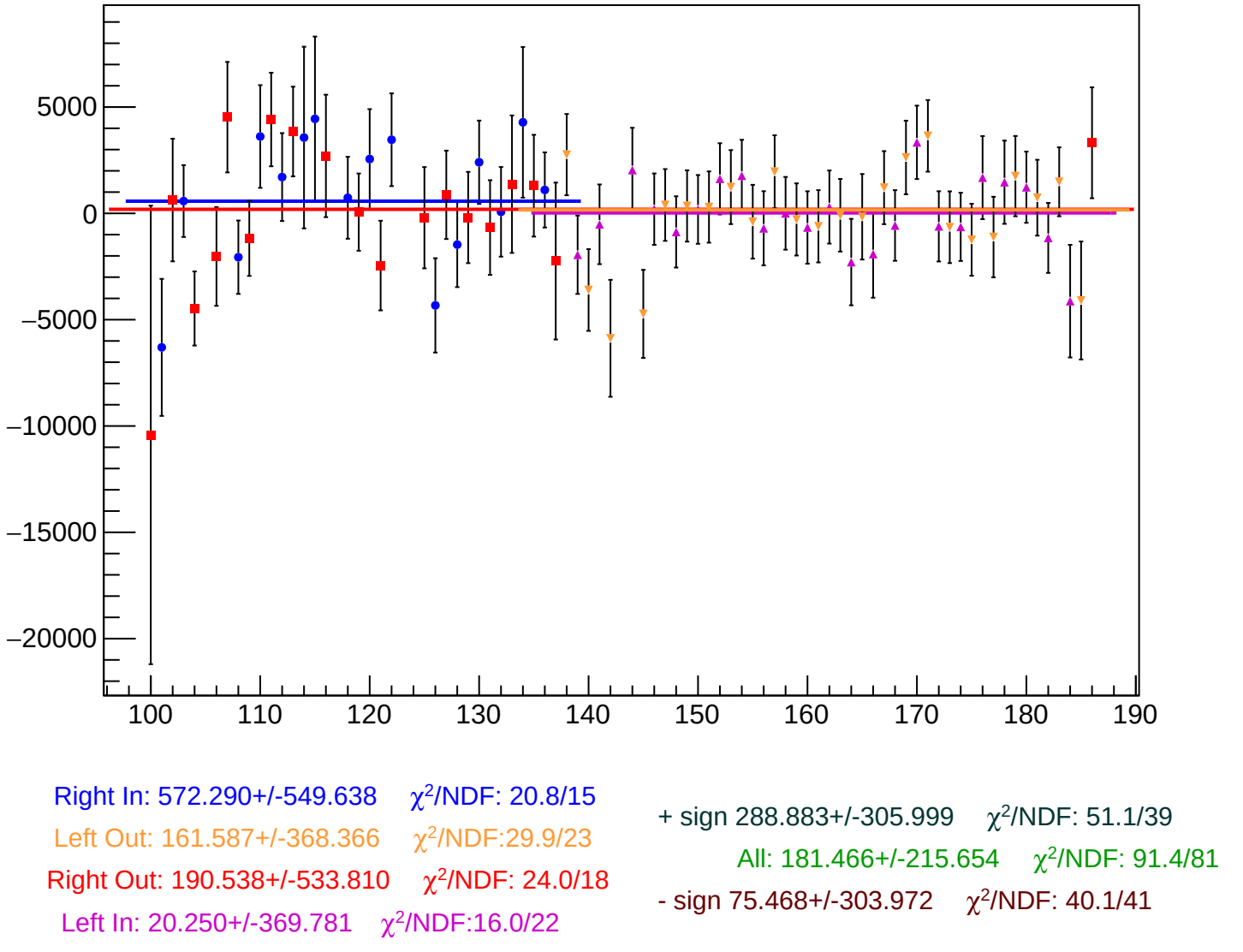
Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

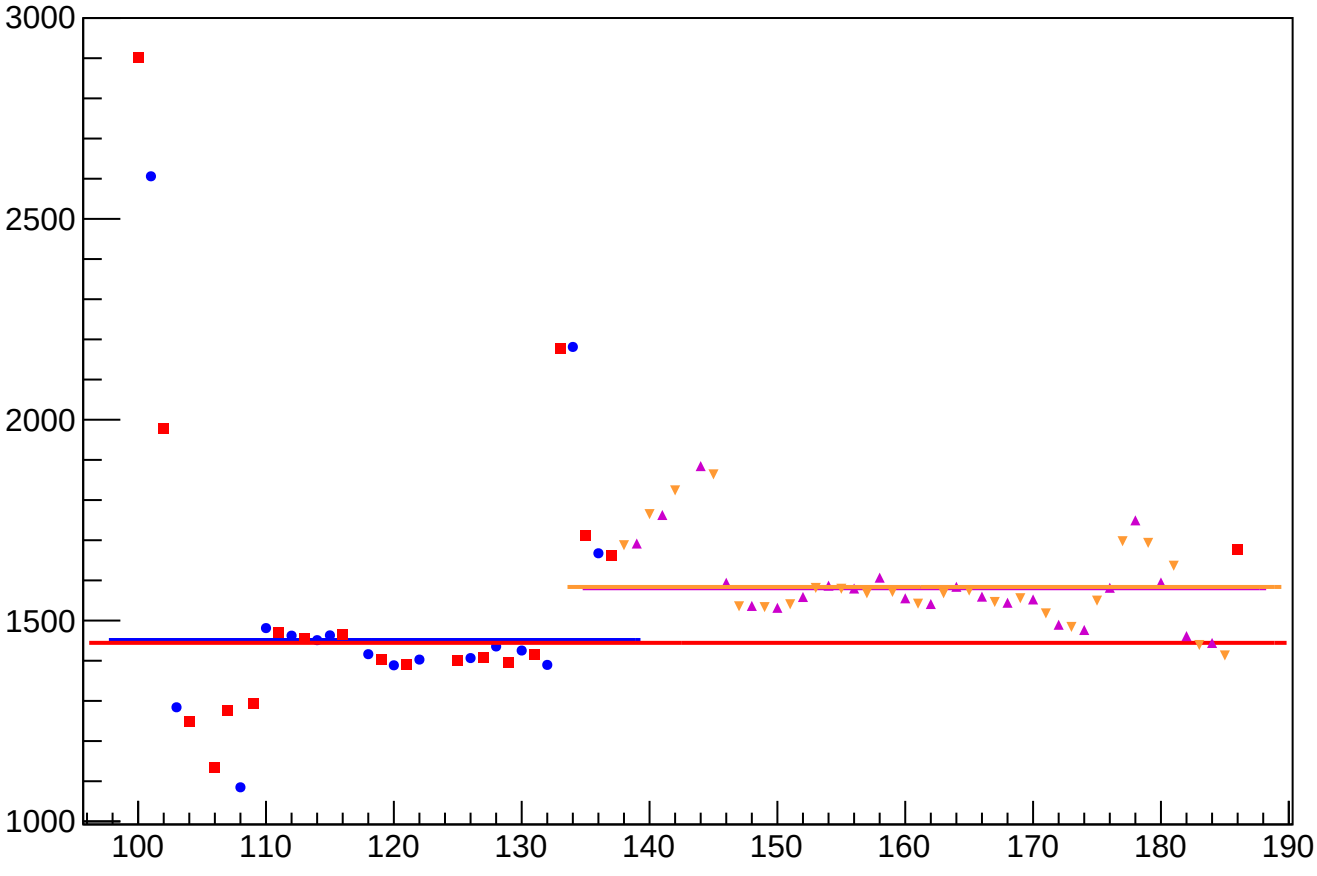
+ sign 202.867+/-89.992 χ^2/NDF: 60.4/39

All: 139.905+/-63.167 χ^2/NDF: 93.0/81

- 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: 590.749+/-0.184 χ²/NDF: 3885502.1/15
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 388.498+/-0.064 χ²/NDF: 13437132.4/39
All: 386.916+/-0.045 χ²/NDF: 26863929.0/81
- sign 385.379+/-0.063 χ²/NDF: 13425577.7/41


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 572.290+/-549.638 χ²/NDF: 20.8/15
Left Out: 161.587+/-368.366 χ²/NDF:29.9/23
Right Out: 190.538+/-533.810 χ²/NDF: 24.0/18
Left In: 20.250+/-369.781 χ²/NDF:16.0/22
+ sign 288.883+/-305.999 χ²/NDF: 51.1/39
All: 181.466+/-215.654 χ²/NDF: 91.4/81
- sign 75.468+/-303.972 χ²/NDF: 40.1/41



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

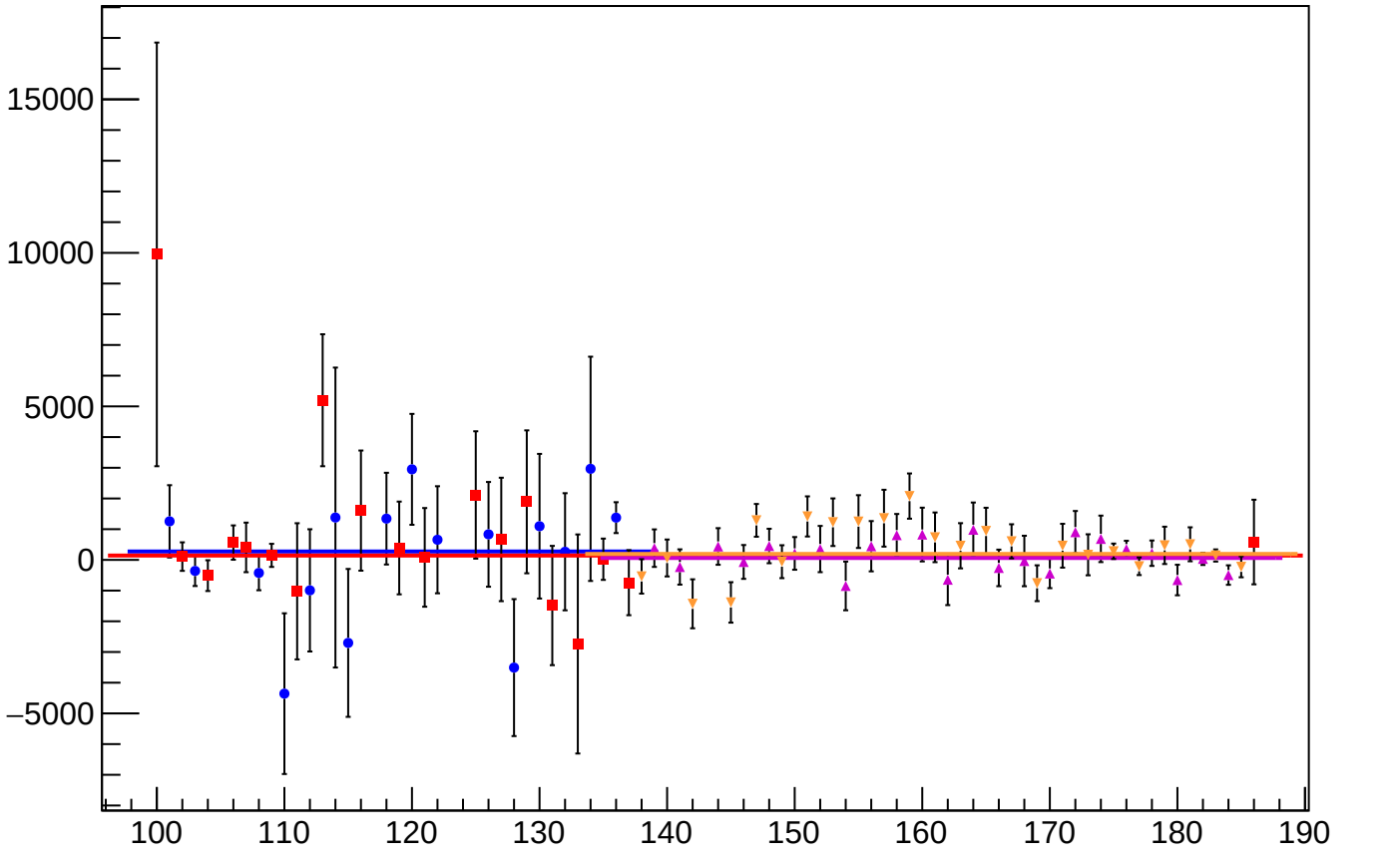
Right Out: 1444.525+/-0.377 χ^2/NDF: 345306.6/18

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1542.731+/-0.216 χ^2/NDF: 701131.6/39

All: 1539.536+/-0.152 χ^2/NDF: 1260262.0/81

- sign 1536.384+/-0.215 χ^2/NDF: 558697.3/41



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

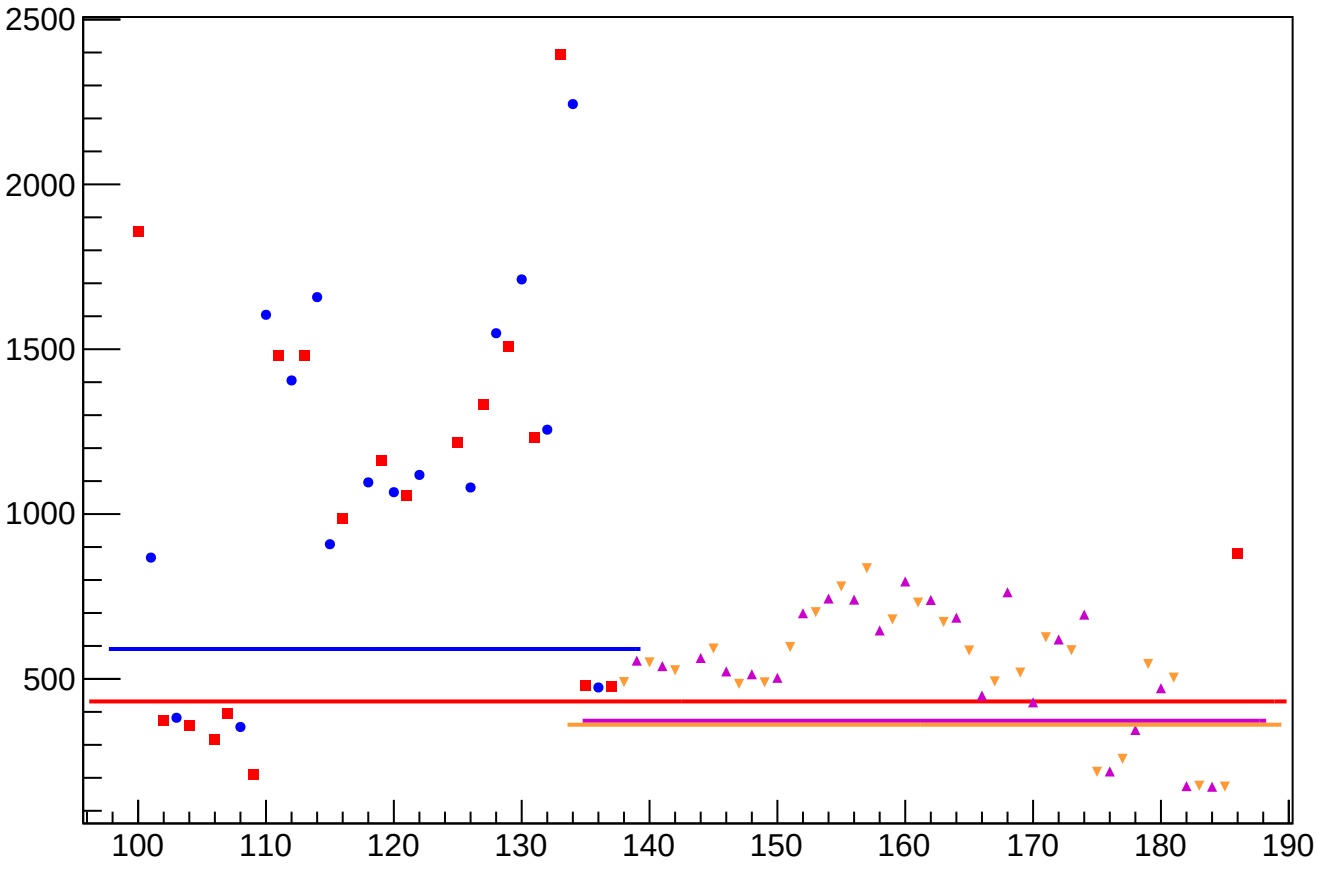
Right Out: 141.470+/-193.983 χ^2/NDF: 14.5/18

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 202.871+/-89.992 χ^2/NDF: 60.4/39

All: 139.905+/-63.167 χ^2/NDF: 93.0/81

- sign 78.754+/-88.686 χ^2/NDF: 31.7/41


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug
2500
2000
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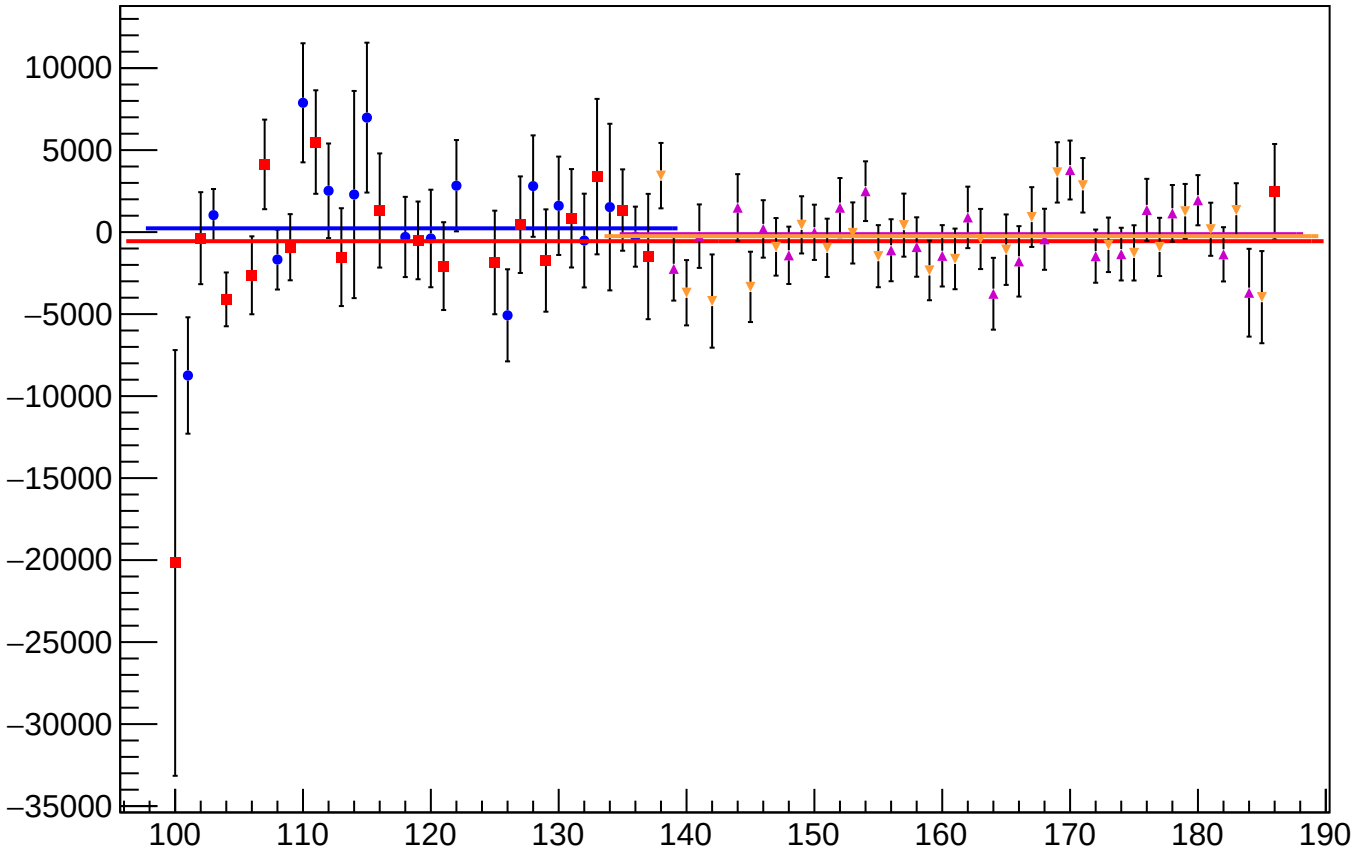
100
110
120
130
140
150
160
170
180
190
Right In: 590.747+/-0.184 χ²/NDF: 3885530.6/15
Left Out: 361.103+/-0.068 χ²/NDF:8182968.2/23
Right Out: 431.701+/-0.137 χ²/NDF: 5073985.4/18
Left In: 373.145+/-0.071 χ²/NDF:8207110.6/22
+ sign 388.502+/-0.064 χ²/NDF: 13436942.9/39
All: 386.920+/-0.045 χ²/NDF: 26863406.1/81
- sign 385.384+/-0.063 χ²/NDF: 13425245.5/41



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -553.551+/-632.870 χ^2/NDF: 18.1/18

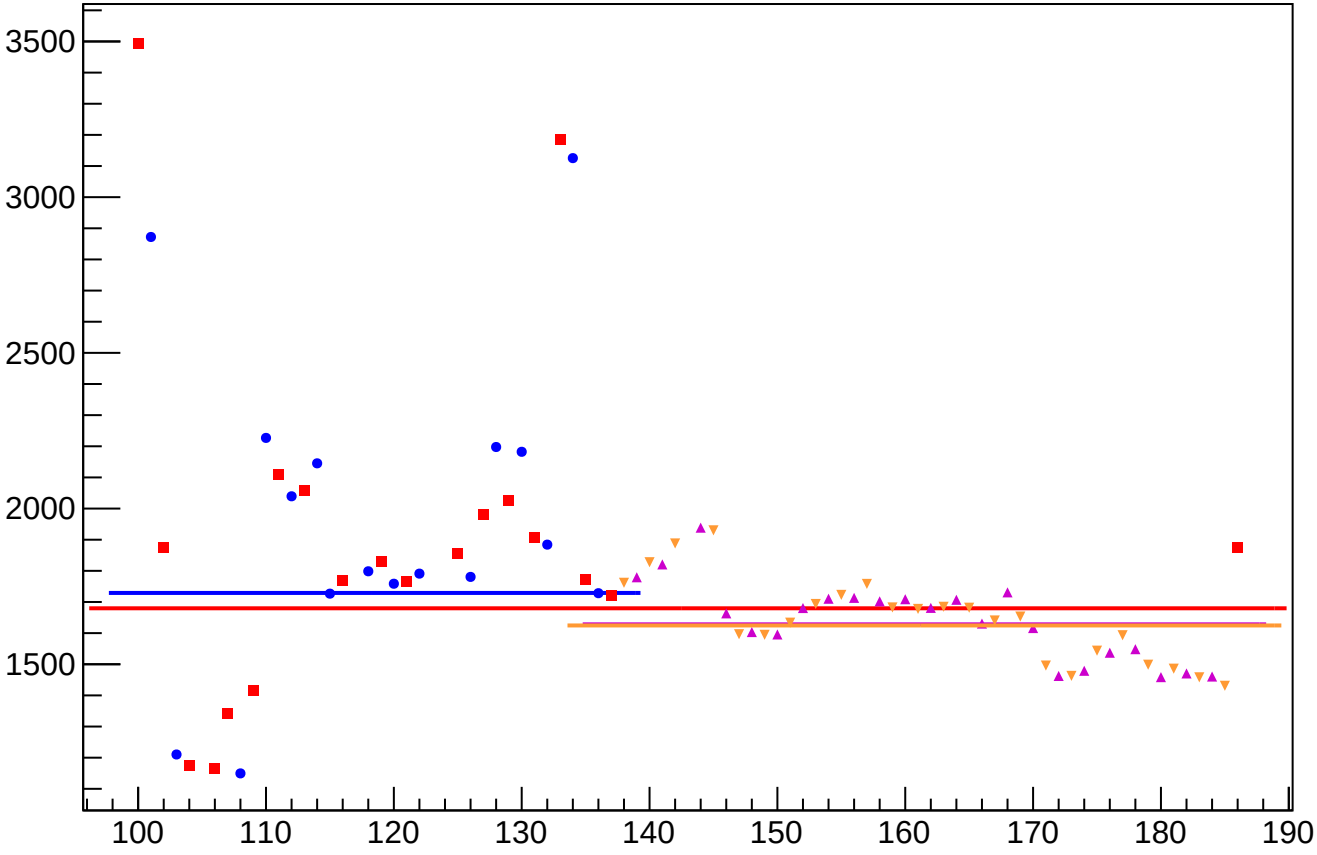
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

\+ sign -130.637+/-328.918 χ^2/NDF: 47.2/39

All: -185.681+/-231.758 χ^2/NDF: 86.9/81

\- sign -239.953+/-326.605 χ^2/NDF: 39.7/41

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

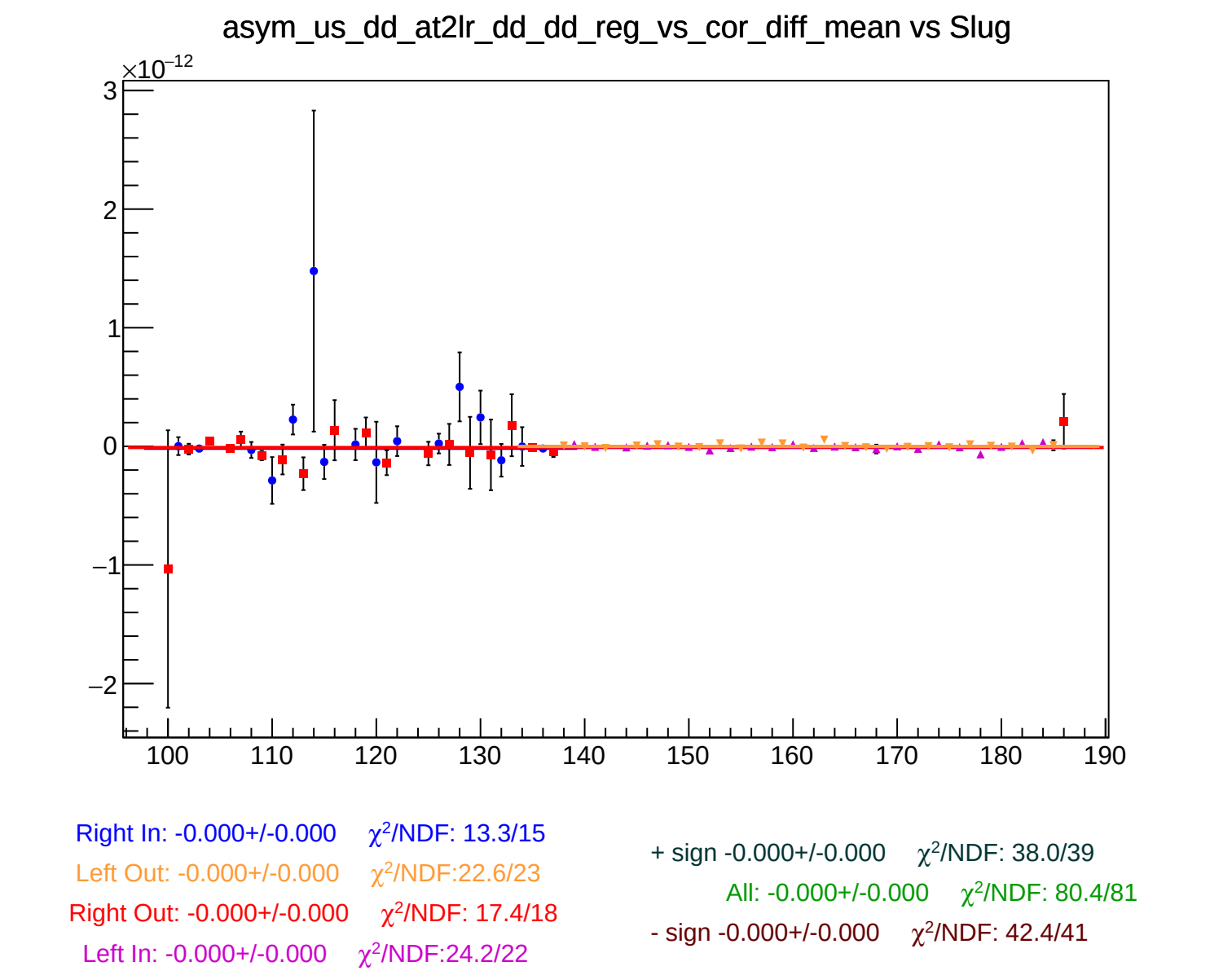
Right Out: 1679.725+/-0.448 χ^2/NDF: 753897.3/18

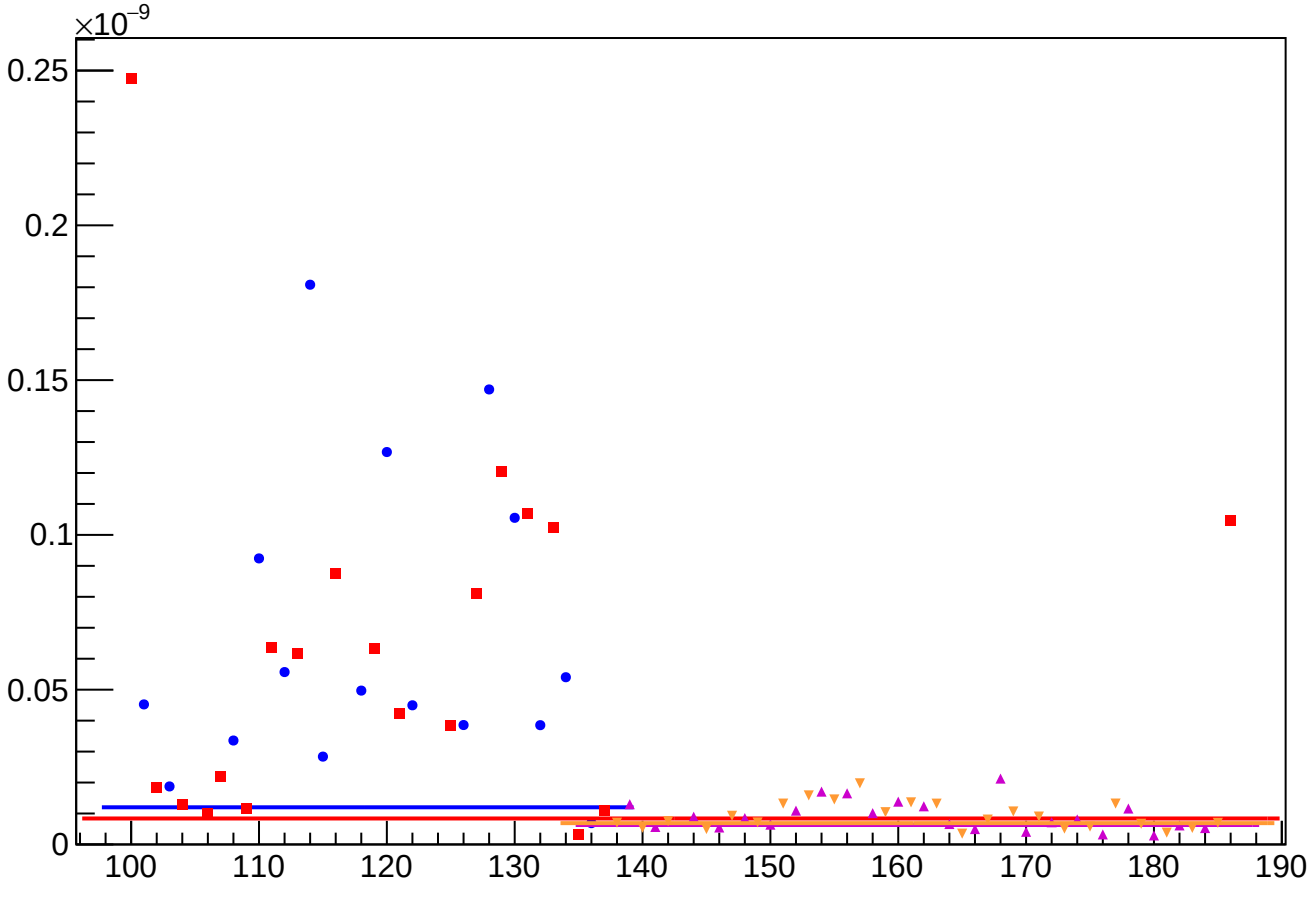
Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1650.069+/-0.233 χ^2/NDF: 1186502.1/39

All: 1645.975+/-0.164 χ^2/NDF: 2155613.5/81

- 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: 13.3/15
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: 38.0/39
All: -0.000+/-0.000 χ²/NDF: 80.4/81
- sign -0.000+/-0.000 χ²/NDF: 42.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

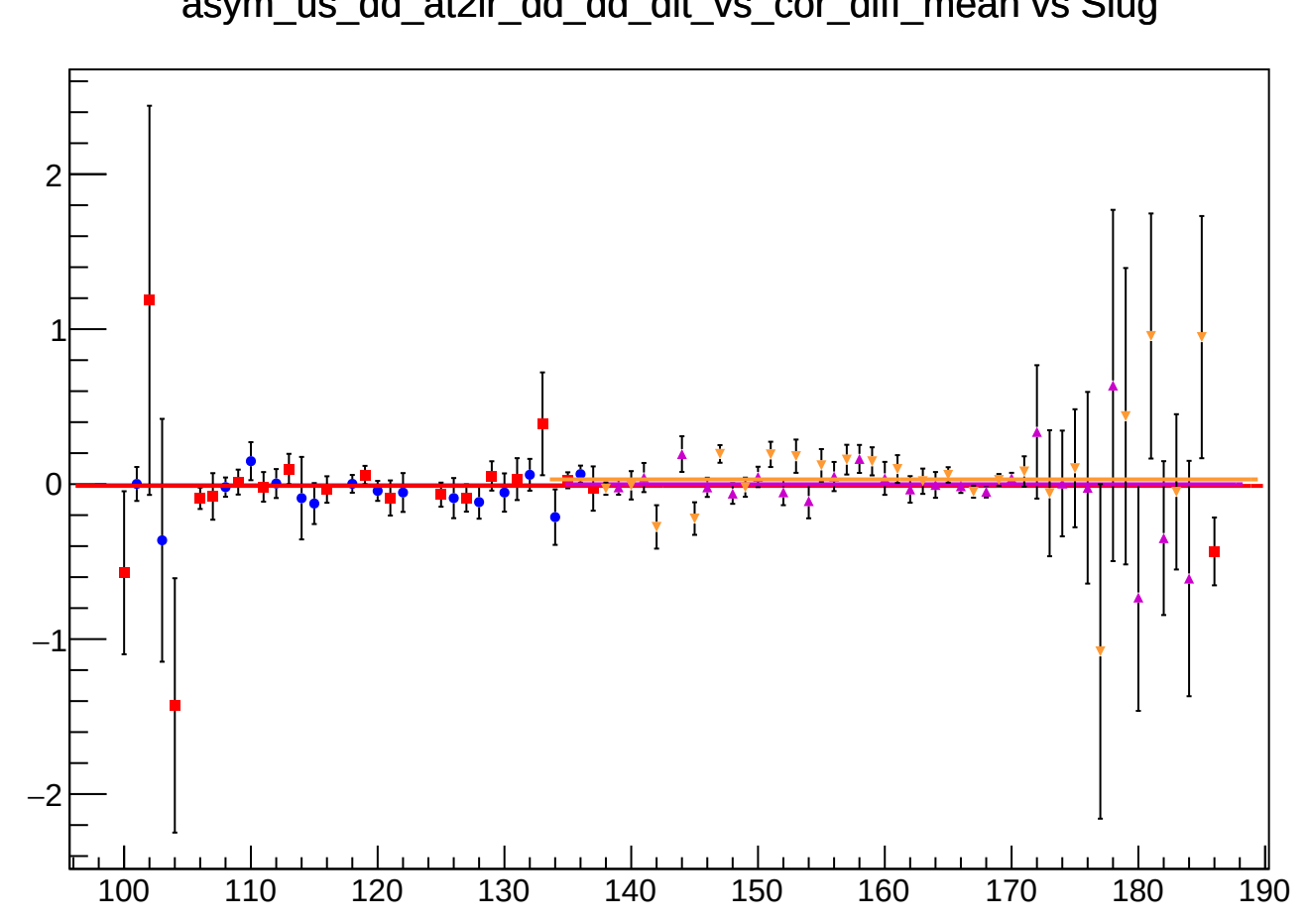
Right Out: 0.000+/-0.000 χ^2/NDF: 3862458.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6143416.9/39

All: 0.000+/-0.000 χ^2/NDF: 13085349.7/81

- sign 0.000+/-0.000 χ^2/NDF: 6857623.9/41



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: -0.011+/-0.022 χ^2/NDF: 17.4/18

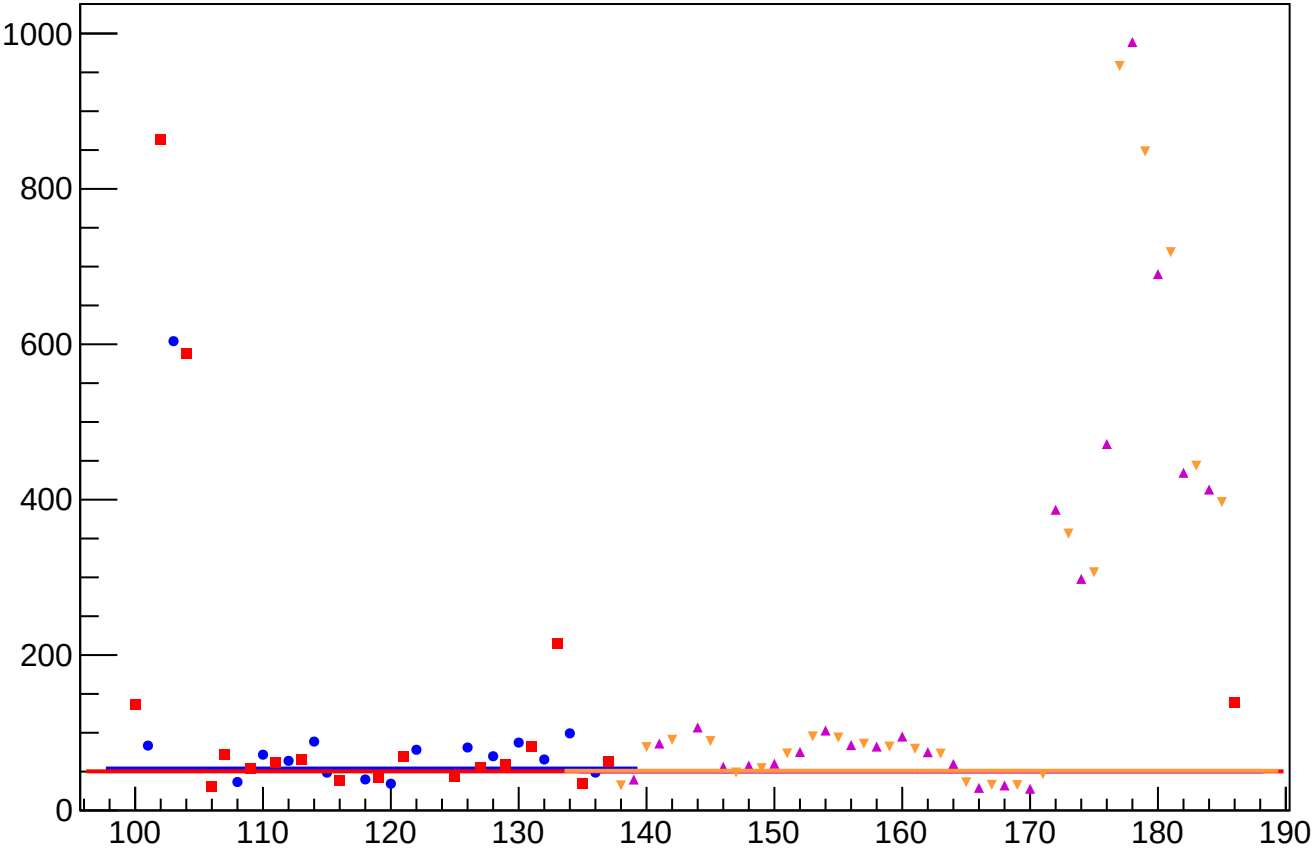
Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.019+/-0.013 χ^2/NDF: 51.8/39

All: 0.007+/-0.009 χ^2/NDF: 87.0/81

- sign -0.004+/-0.013 χ^2/NDF: 33.6/41

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

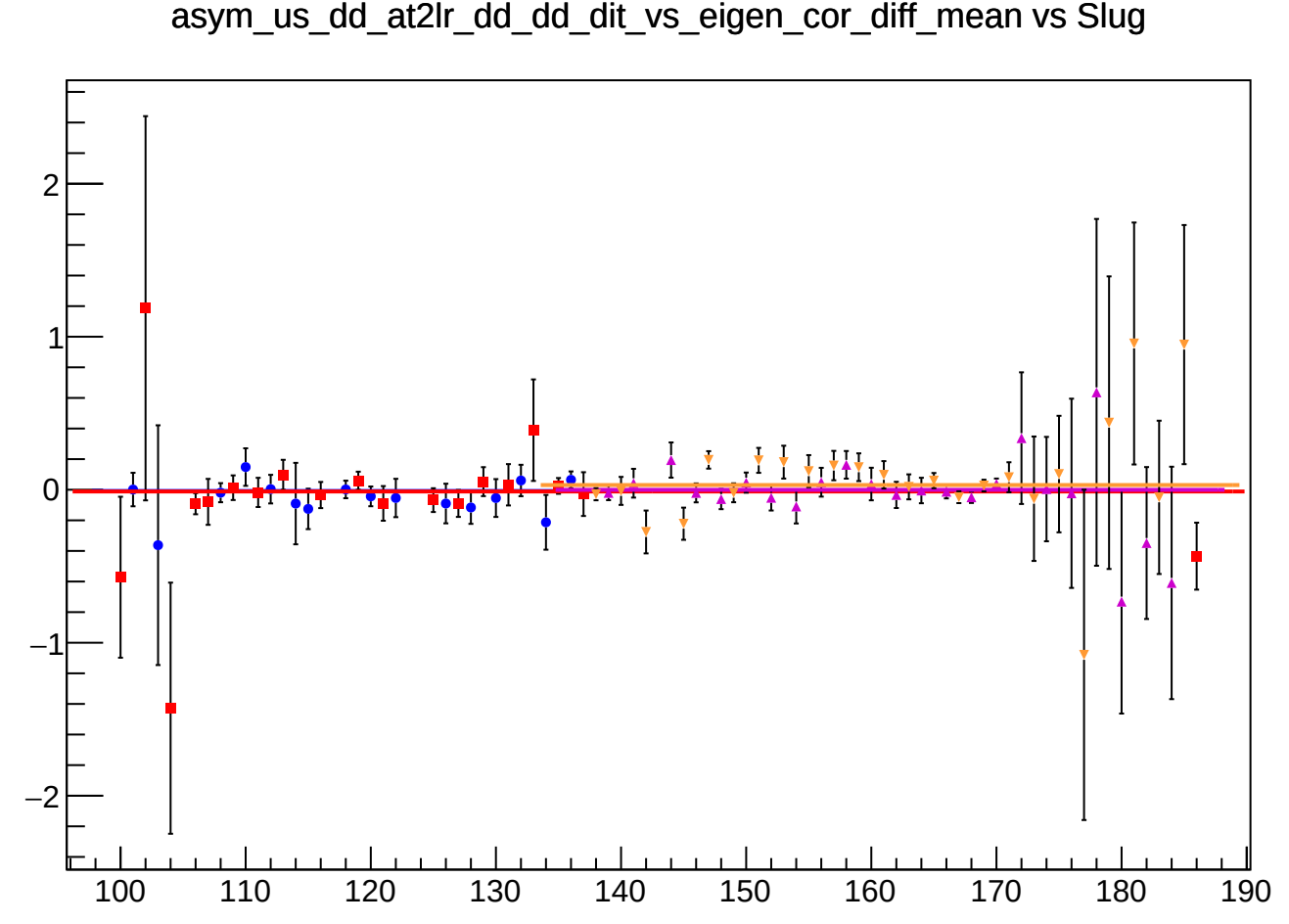
Right Out: 50.328+/-0.016 χ^2/NDF: 3344889.4/18

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 51.962+/-0.009 χ^2/NDF: 13971919.4/39

All: 51.099+/-0.006 χ^2/NDF: 29530152.6/81

- sign 50.275+/-0.009 χ^2/NDF: 15540629.8/41



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

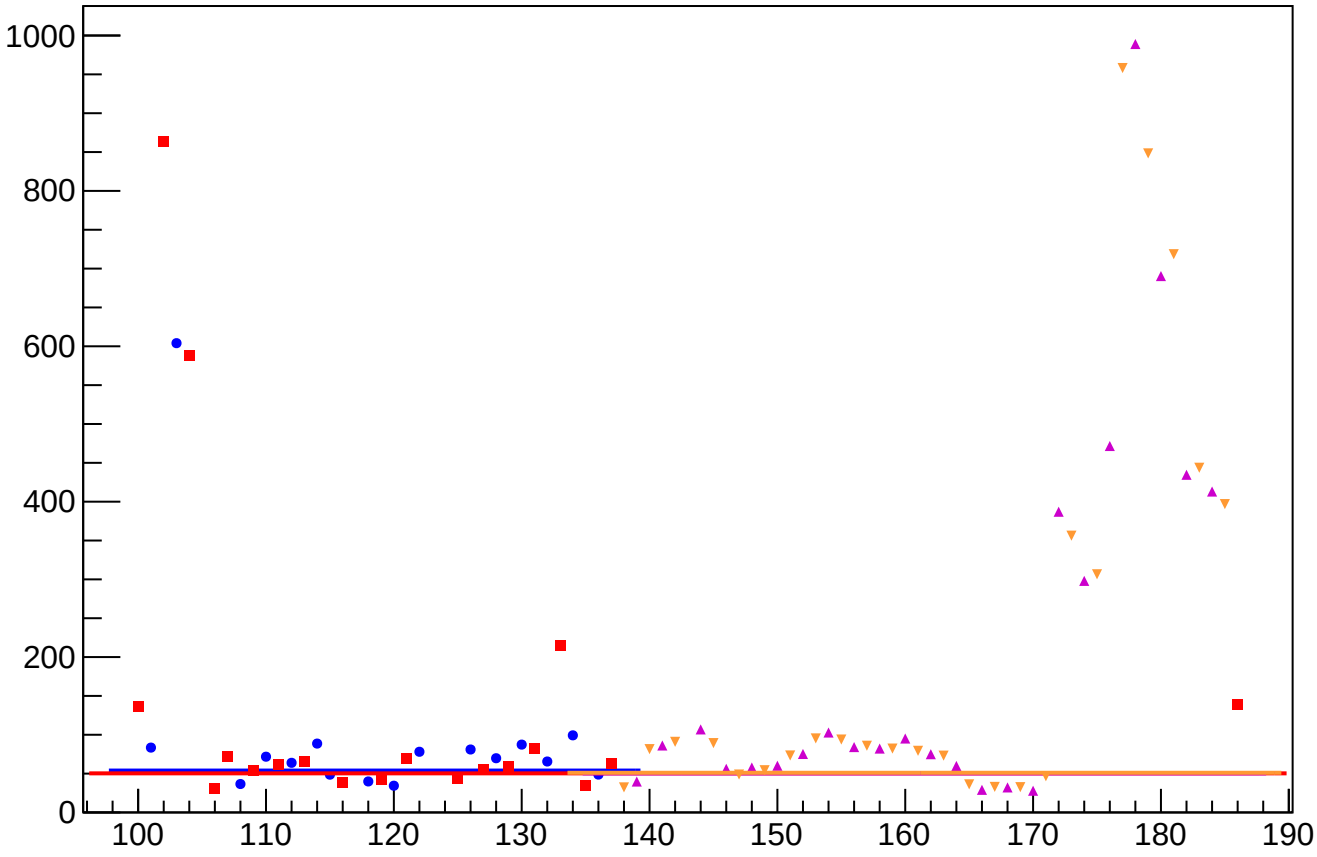
Right Out: -0.011+/-0.022 χ^2/NDF: 17.4/18

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.019+/-0.013 χ^2/NDF: 51.8/39

All: 0.007+/-0.009 χ^2/NDF: 87.0/81

- sign -0.004+/-0.013 χ^2/NDF: 33.6/41



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

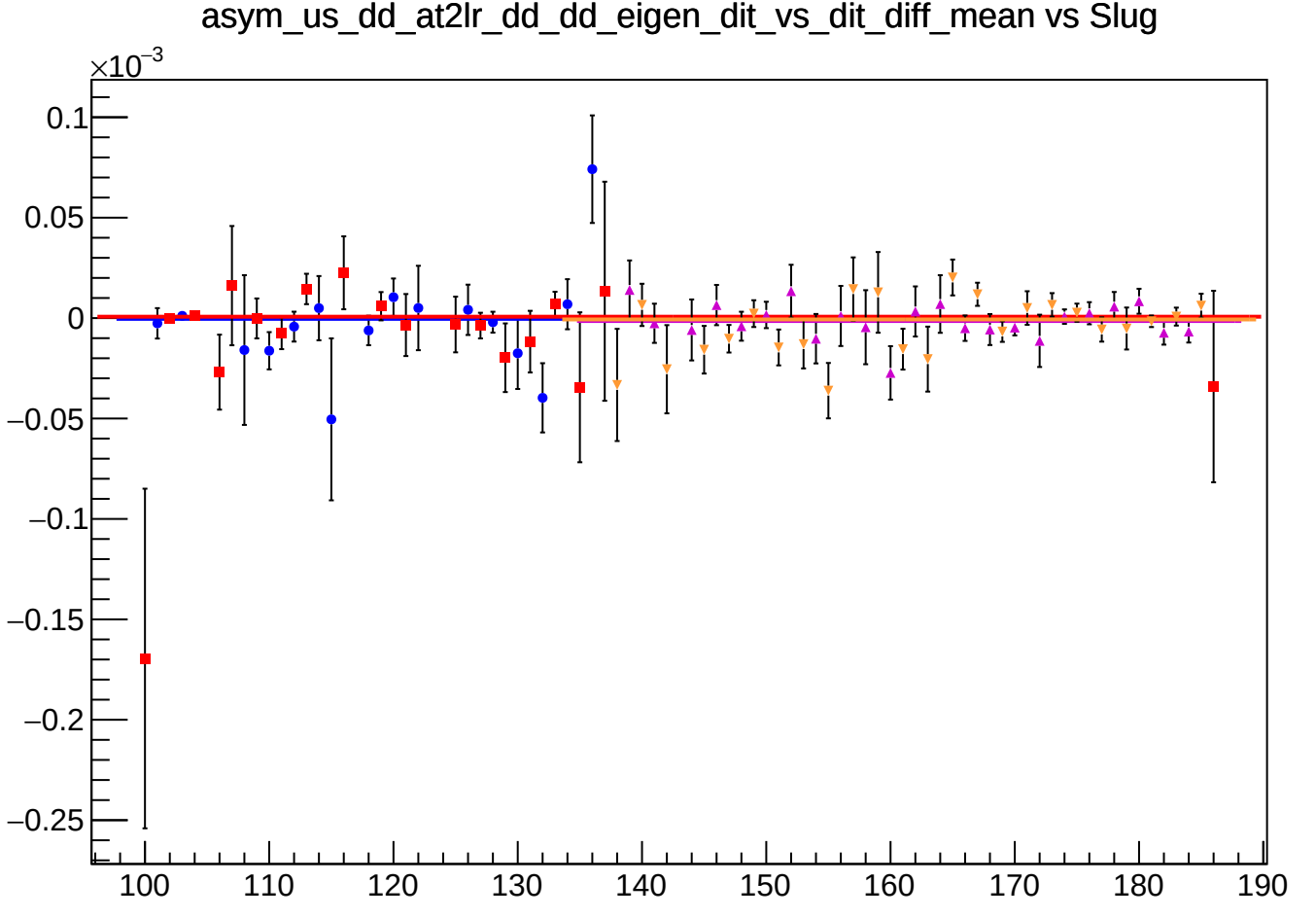
Right Out: 50.328+/-0.016 χ^2/NDF: 3344889.4/18

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 51.962+/-0.009 χ^2/NDF: 13971919.4/39

All: 51.099+/-0.006 χ^2/NDF: 29530152.6/81

- sign 50.275+/-0.009 χ^2/NDF: 15540629.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

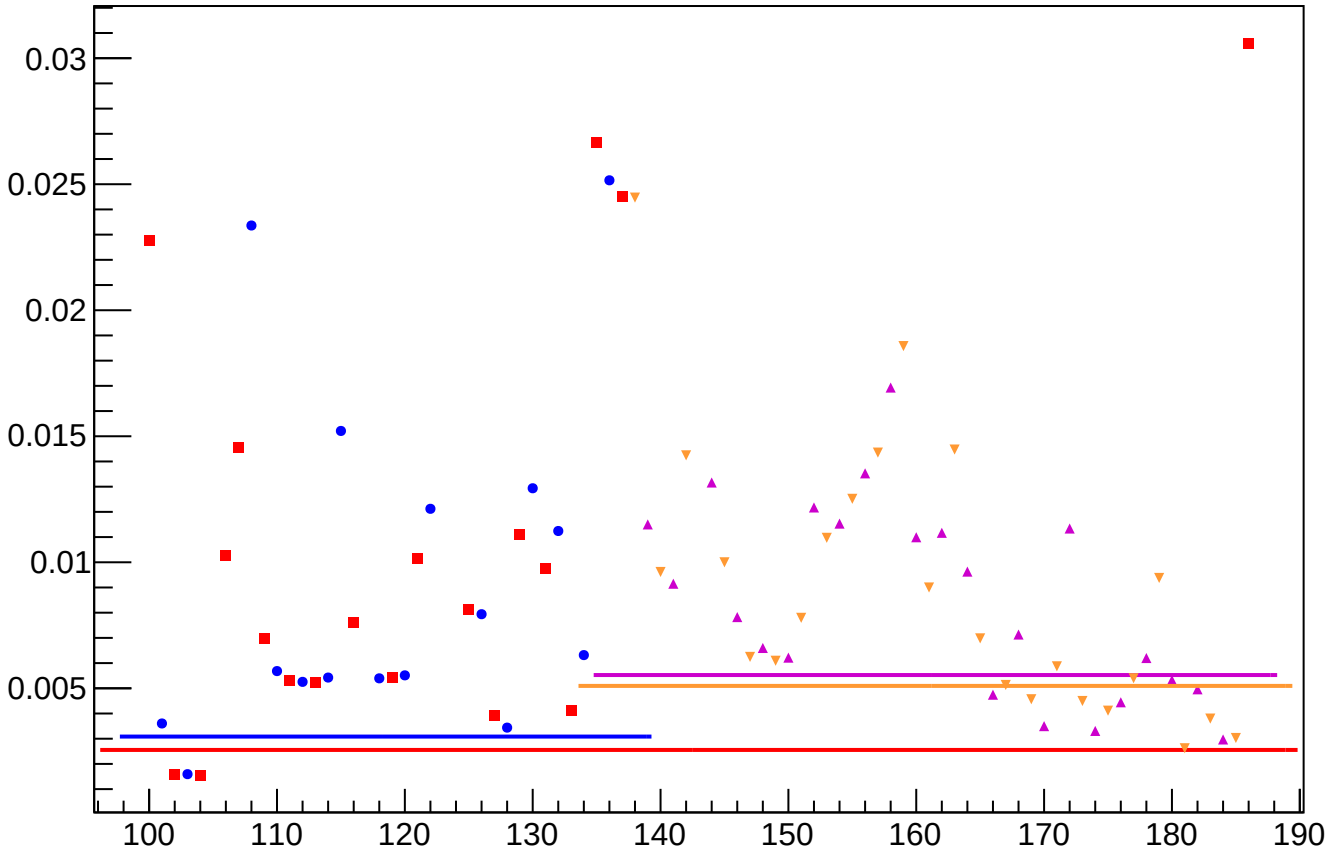
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.6/39

All: -0.000+/-0.000 χ^2/NDF: 96.7/81

- sign -0.000+/-0.000 χ^2/NDF: 36.0/41



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

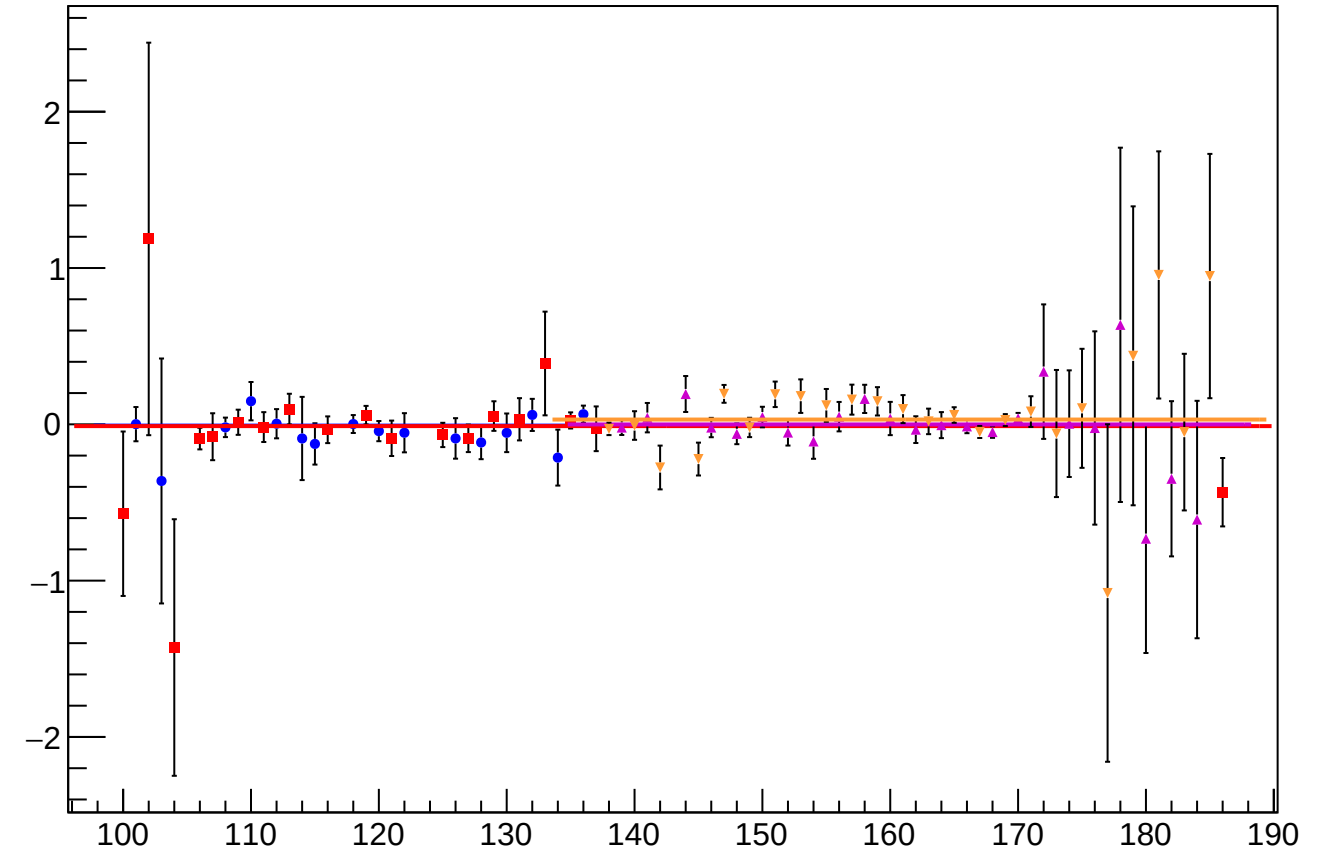
Right Out: 0.003+/-0.000 χ^2/NDF: 6929045.6/18

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 15930990.1/39

All: 0.004+/-0.000 χ^2/NDF: 34499586.5/81

- sign 0.004+/-0.000 χ^2/NDF: 18365625.5/41



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

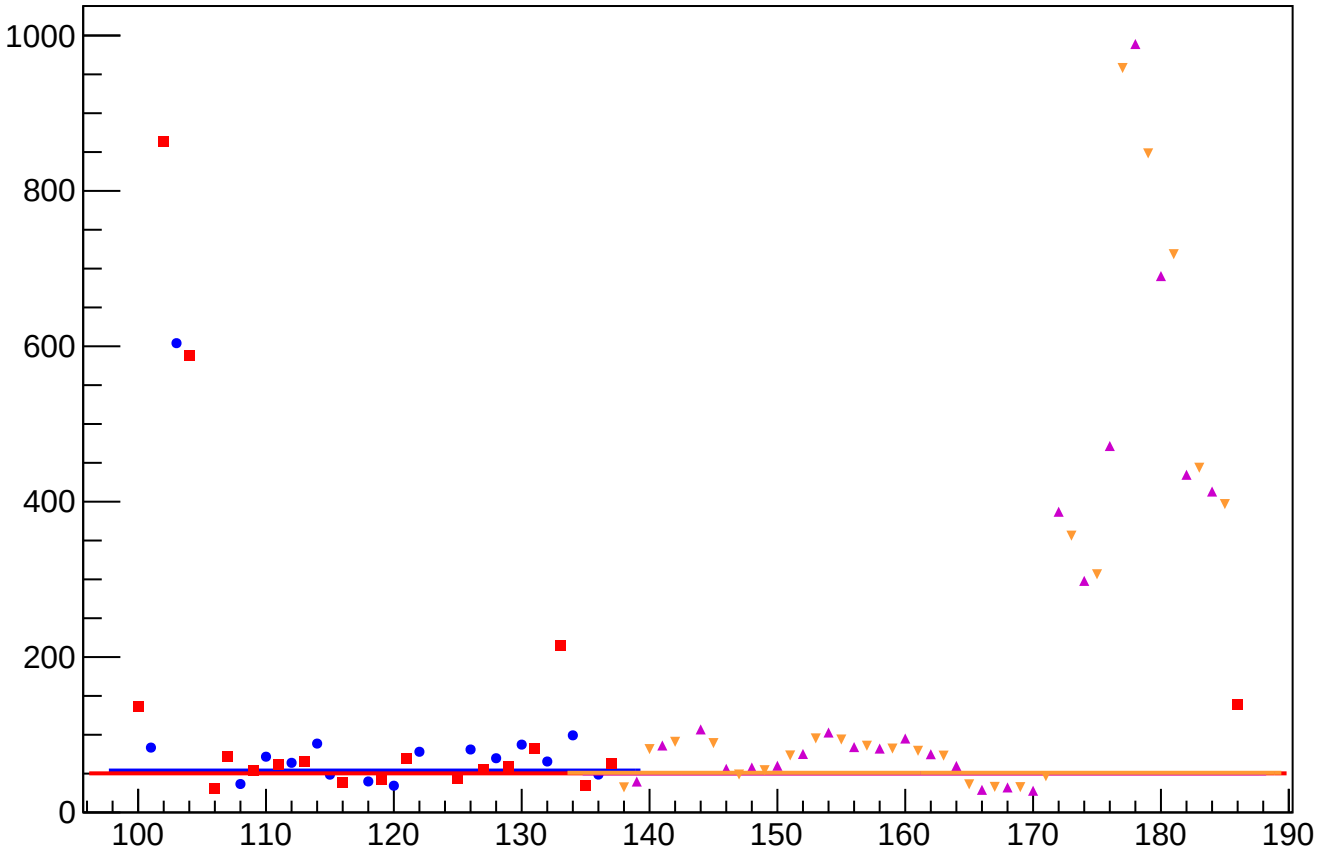
Right Out: -0.011+/-0.022 χ^2/NDF: 17.4/18

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.019+/-0.013 χ^2/NDF: 51.8/39

All: 0.007+/-0.009 χ^2/NDF: 87.0/81

- sign -0.004+/-0.013 χ^2/NDF: 33.6/41



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

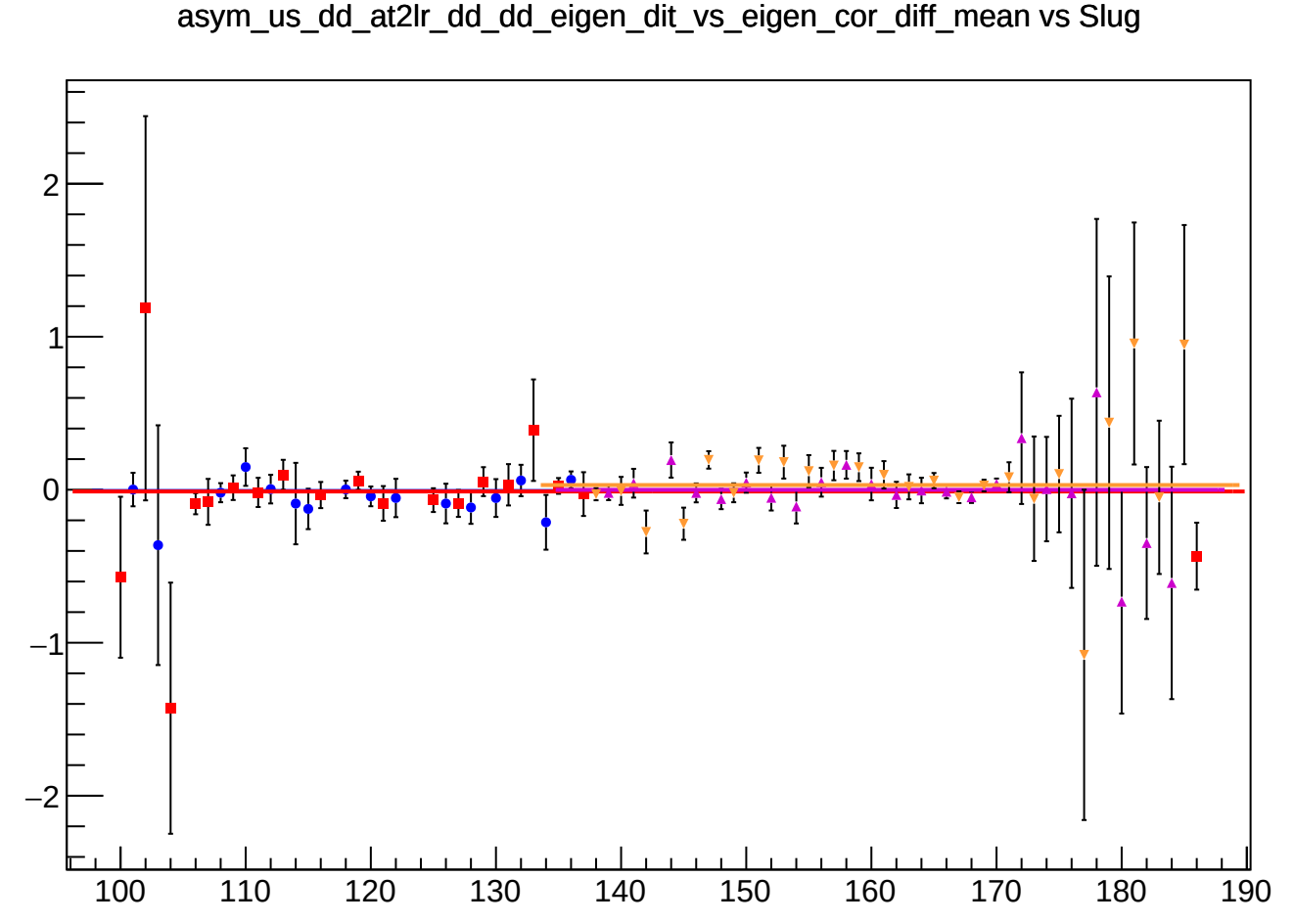
Right Out: 50.330+/-0.016 χ^2/NDF: 3344613.4/18

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 51.964+/-0.009 χ^2/NDF: 13970702.1/39

All: 51.100+/-0.006 χ^2/NDF: 29528642.7/81

\- sign 50.276+/-0.009 χ^2/NDF: 15540296.2/41



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

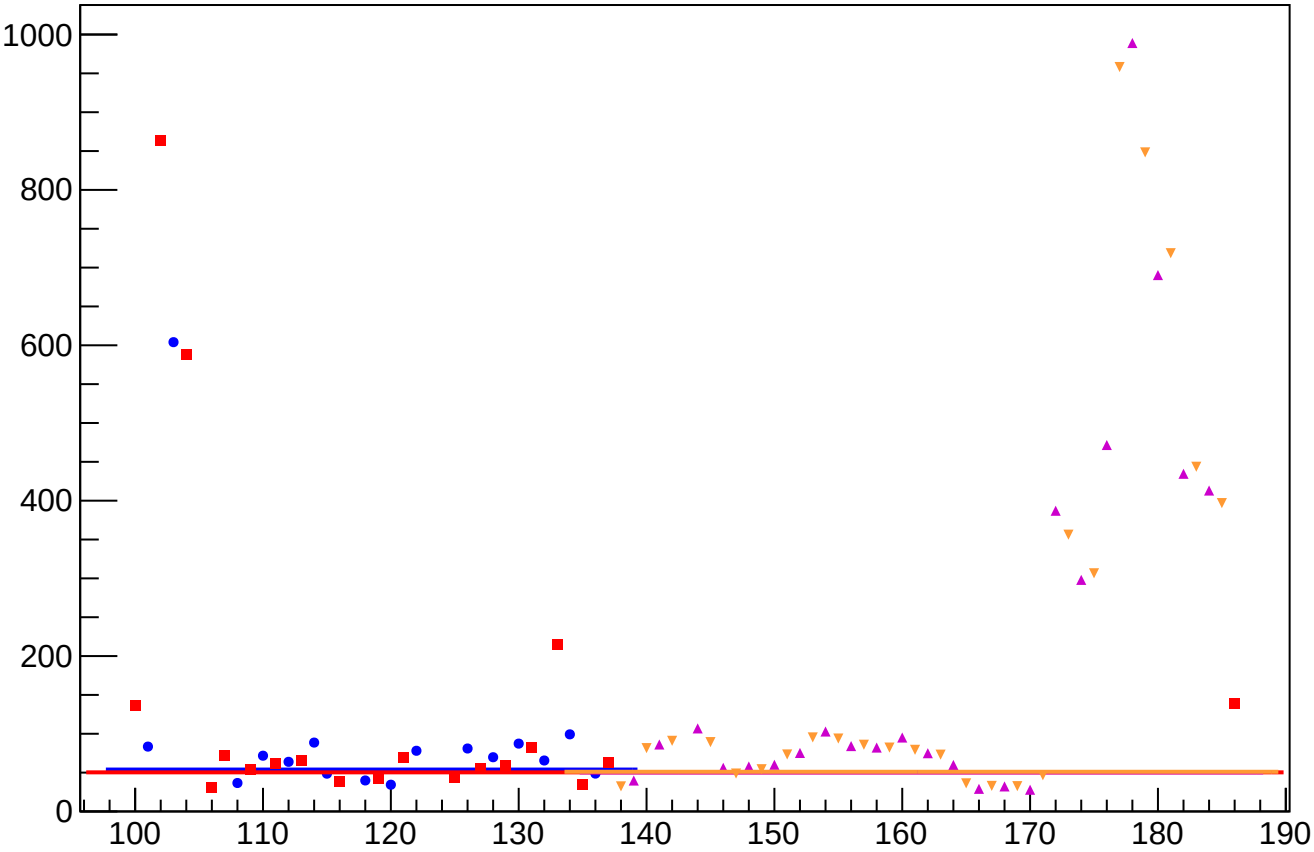
Right Out: -0.011+/-0.022 χ^2/NDF: 17.4/18

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.019+/-0.013 χ^2/NDF: 51.8/39

All: 0.007+/-0.009 χ^2/NDF: 87.0/81

- sign -0.004+/-0.013 χ^2/NDF: 33.6/41



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

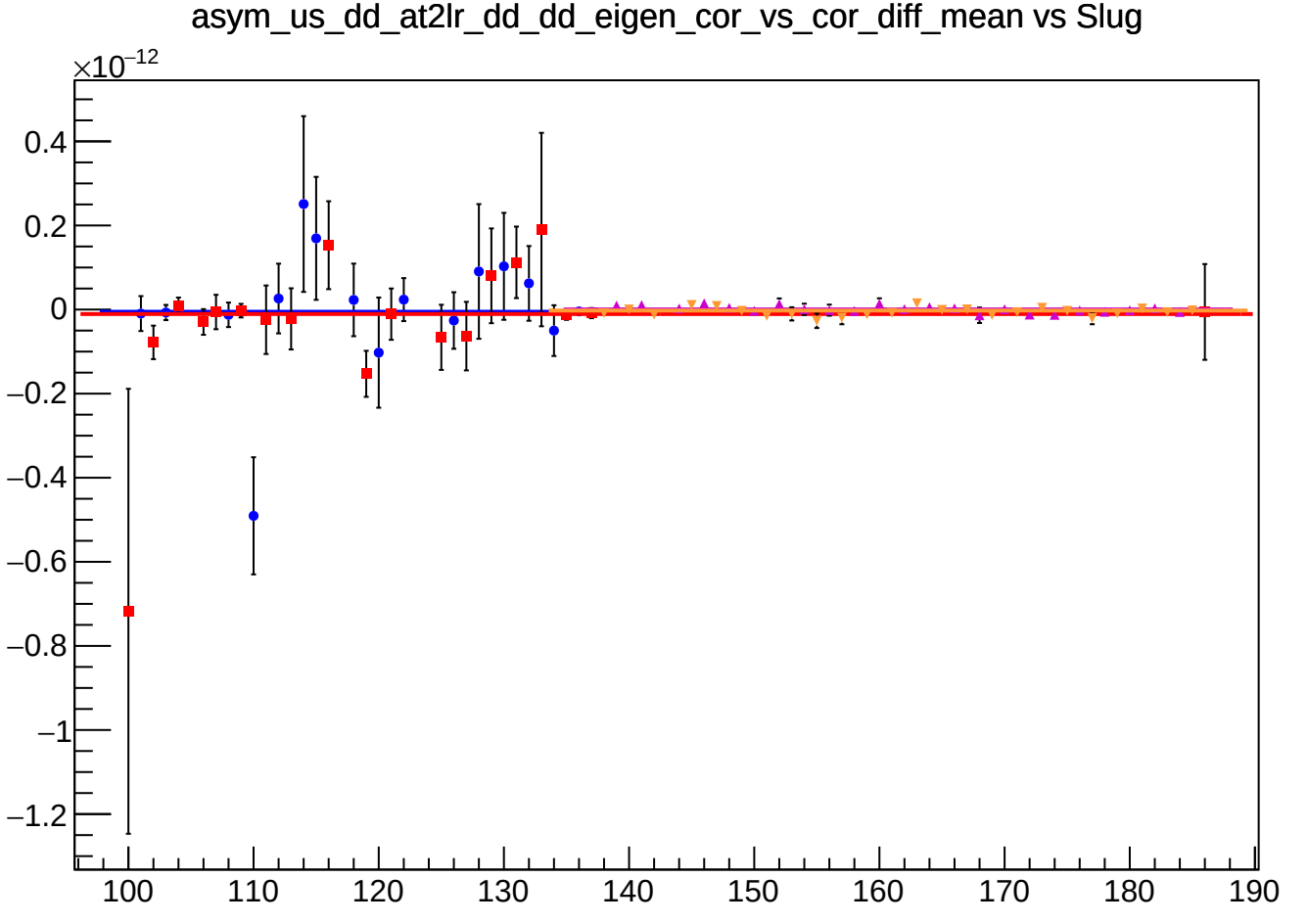
Right Out: 50.330+/-0.016 χ^2/NDF: 3344613.4/18

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 51.964+/-0.009 χ^2/NDF: 13970702.1/39

All: 51.100+/-0.006 χ^2/NDF: 29528642.7/81

\- sign 50.276+/-0.009 χ^2/NDF: 15540296.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

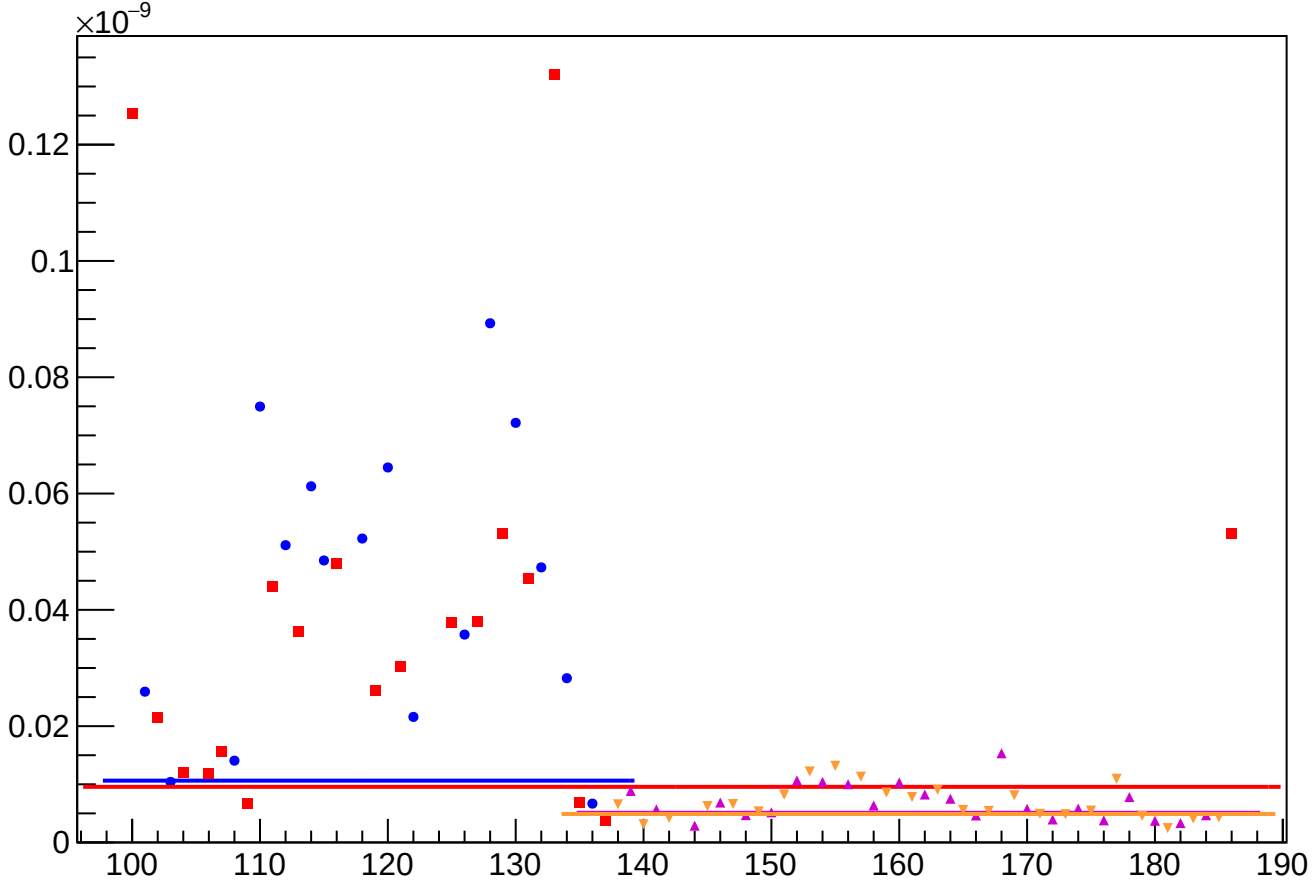
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.0/39

All: -0.000+/-0.000 χ^2/NDF: 82.9/81

- sign -0.000+/-0.000 χ^2/NDF: 41.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4322554.7/18

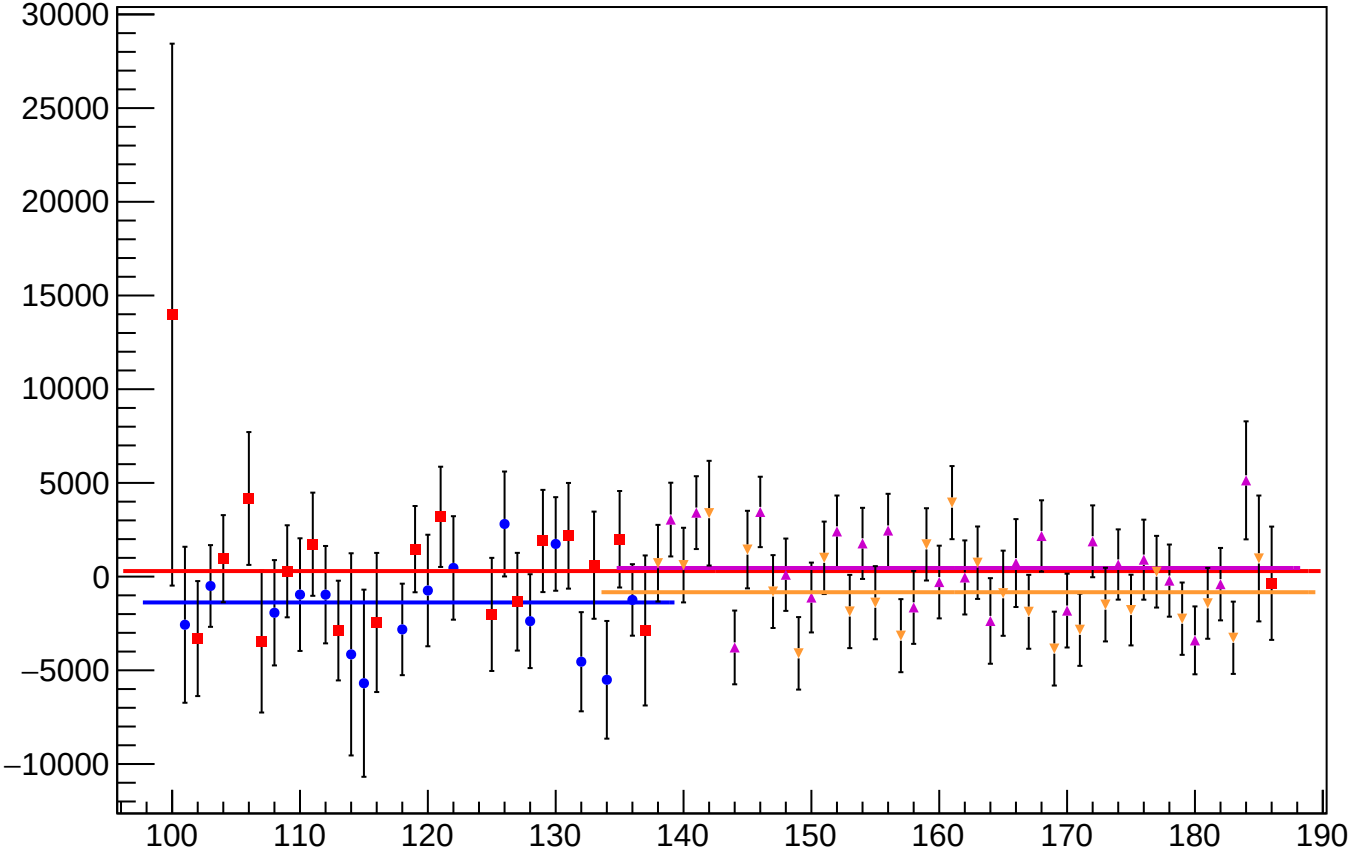
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10209991.8/39

All: 0.000+/-0.000 χ^2/NDF: 19229436.6/81

- sign 0.000+/-0.000 χ^2/NDF: 9003459.7/41

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 295.521+/-667.029 χ^2/NDF: 11.1/18

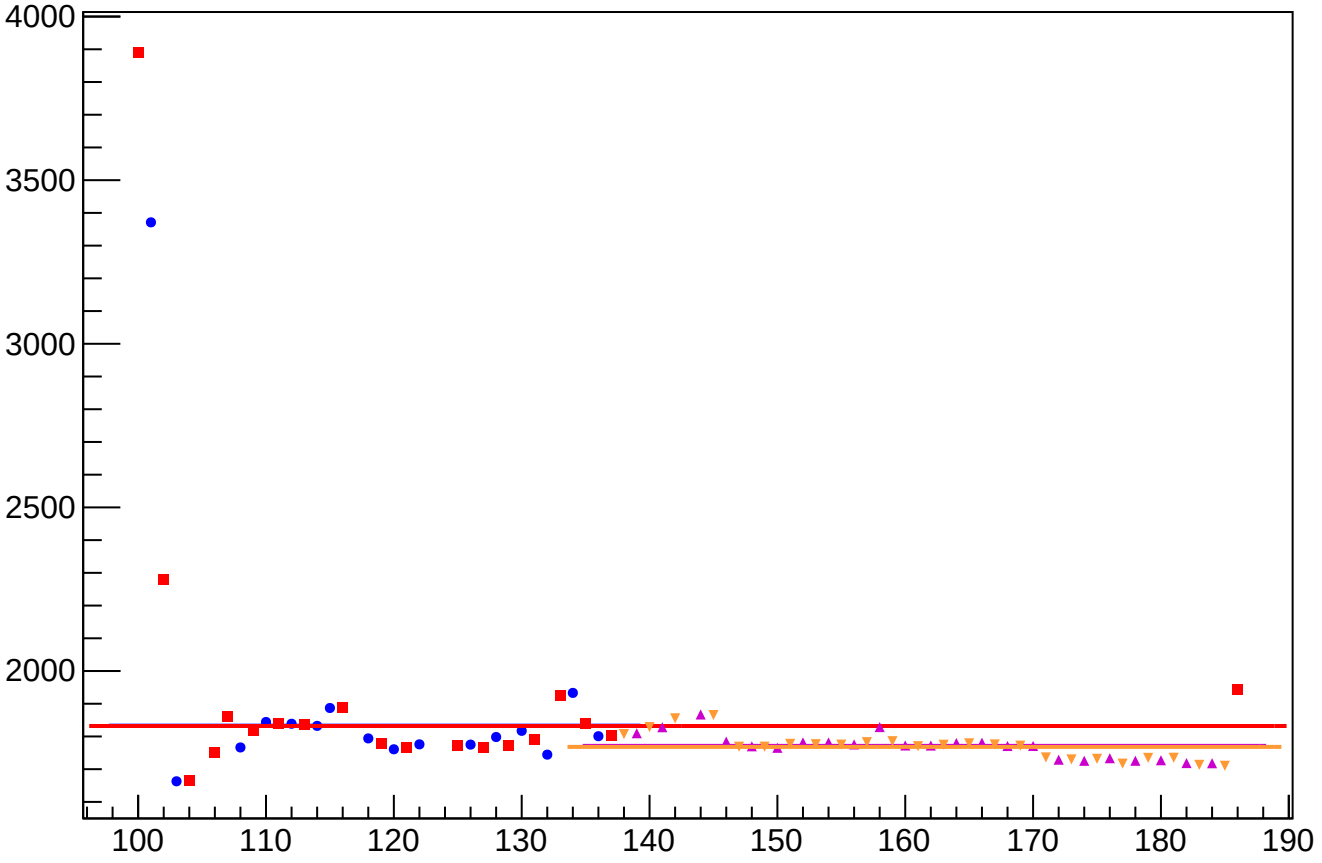
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -975.631+/-352.625 χ^2/NDF: 35.2/39

All: -278.648+/-248.956 χ^2/NDF: 81.4/81

- sign 414.024+/-351.533 χ^2/NDF: 38.4/41

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

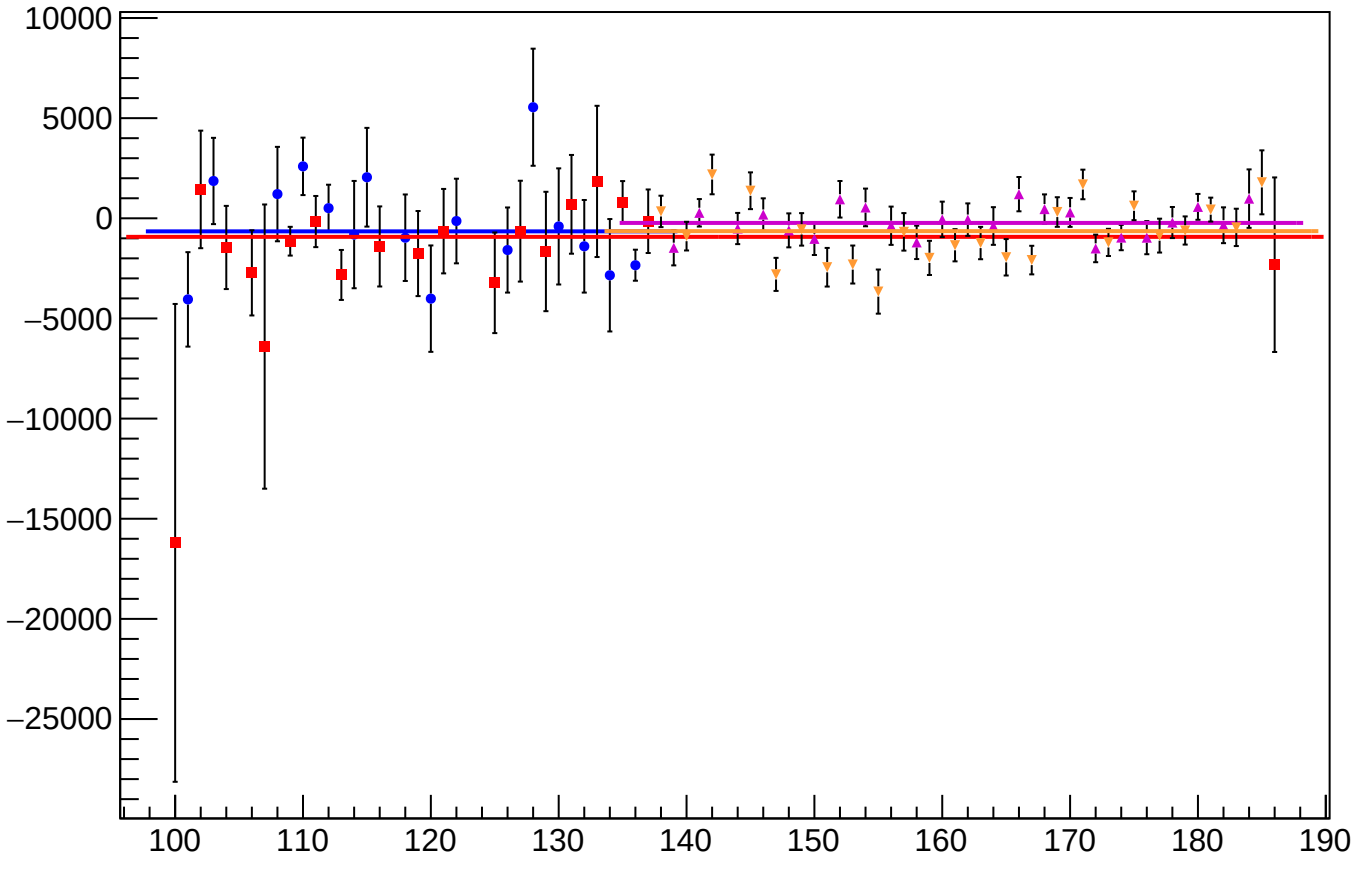
Right Out: 1831.969+/-0.472 χ^2/NDF: 105921.7/18

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.103+/-0.249 χ^2/NDF: 324862.4/39

All: 1786.601+/-0.176 χ^2/NDF: 459264.5/81

- sign 1788.091+/-0.249 χ^2/NDF: 134330.1/41



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

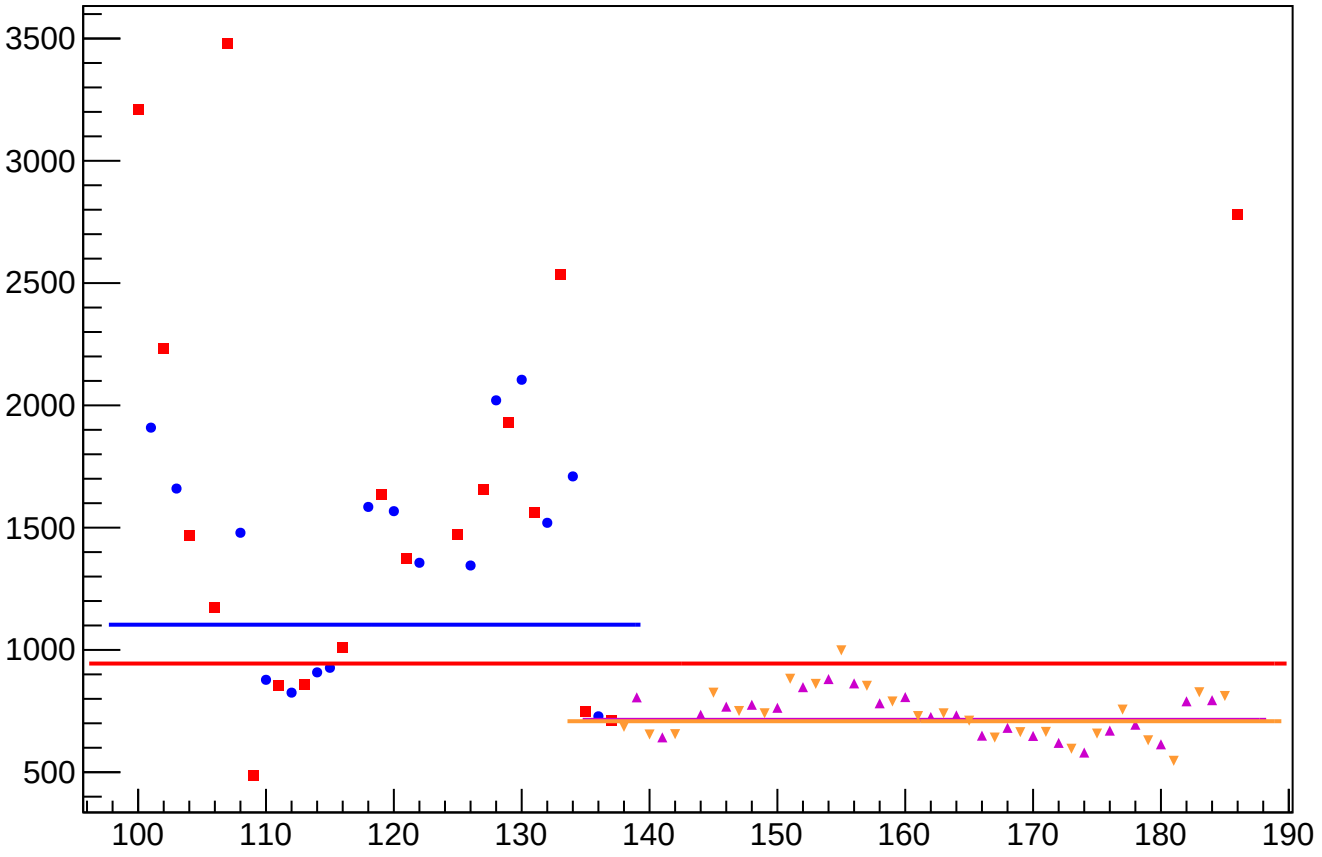
Right Out: -926.054+/-391.827 χ^2/NDF: 11.6/18

Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -642.384+/-155.776 χ^2/NDF: 89.9/39

All: -489.588+/-109.751 χ^2/NDF: 126.1/81

- sign -338.987+/-154.654 χ^2/NDF: 34.2/41



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 944.330+/-0.277 χ^2/NDF: 3412413.5/18

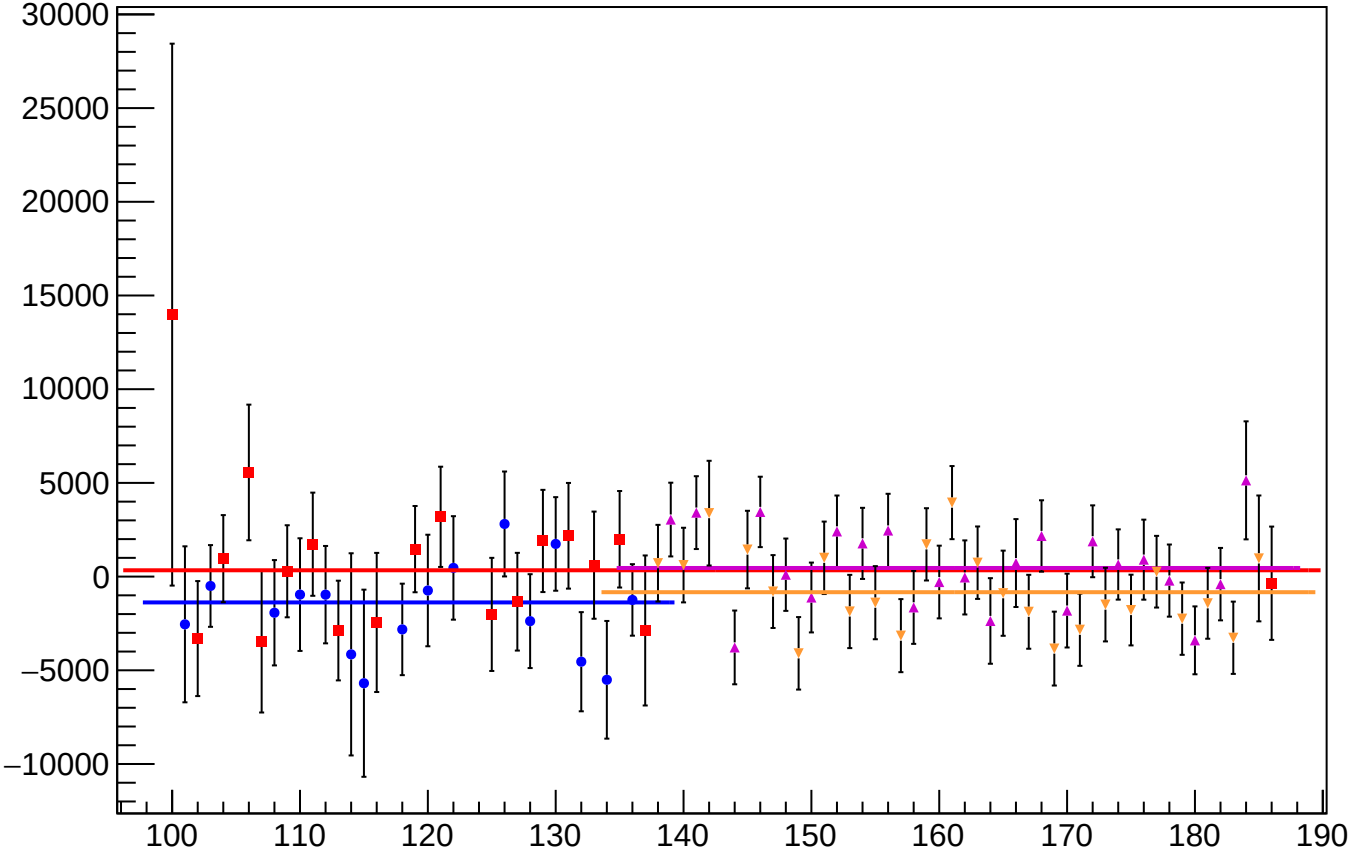
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 757.496+/-0.110 χ^2/NDF: 3974535.7/39

All: 753.731+/-0.078 χ^2/NDF: 8469133.8/81

- sign 750.019+/-0.109 χ^2/NDF: 4492277.8/41

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 337.112+/-667.512 χ^2/NDF: 12.0/18

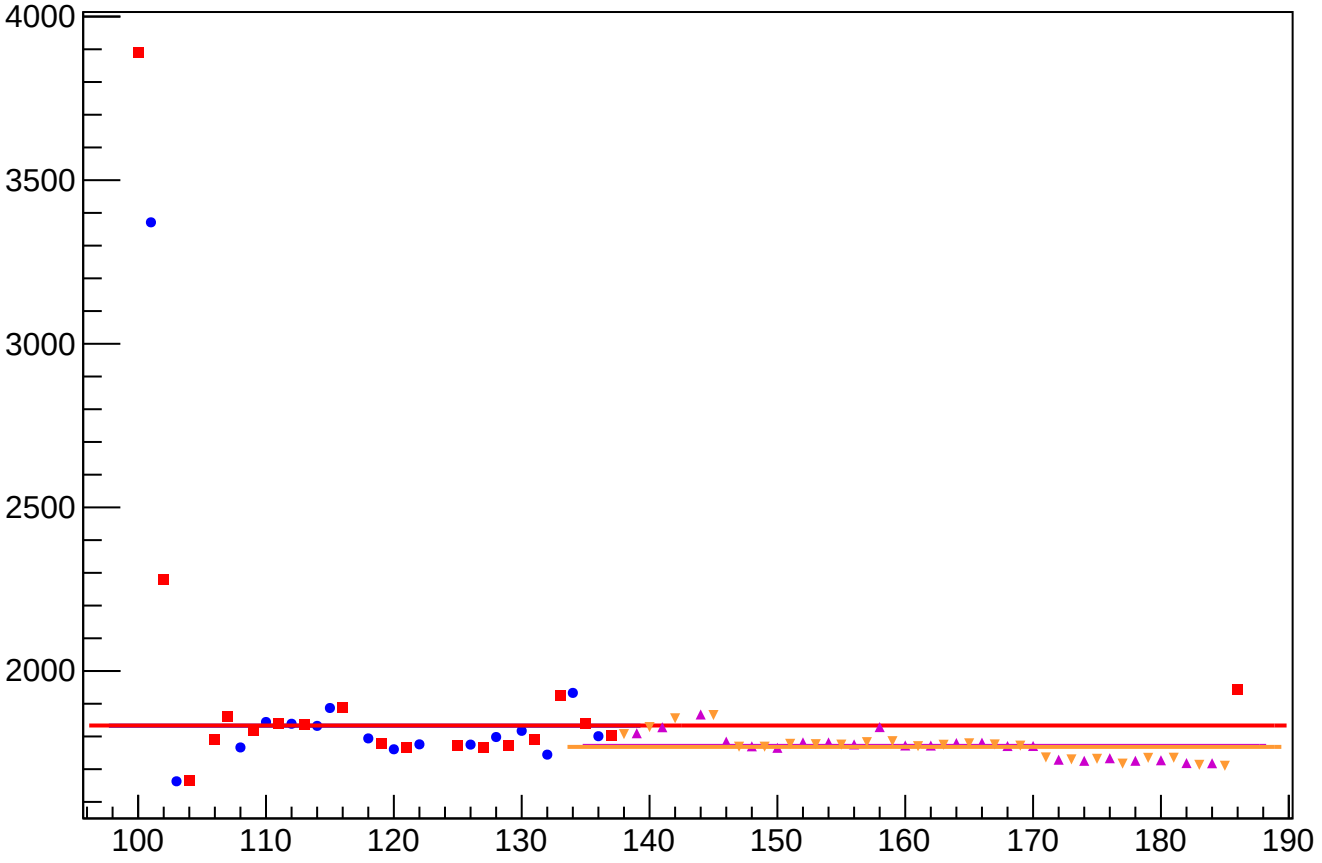
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -975.388+/-352.625 χ^2/NDF: 35.2/39

All: -272.871+/-248.982 χ^2/NDF: 82.4/81

- sign 425.582+/-351.604 χ^2/NDF: 39.3/41

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

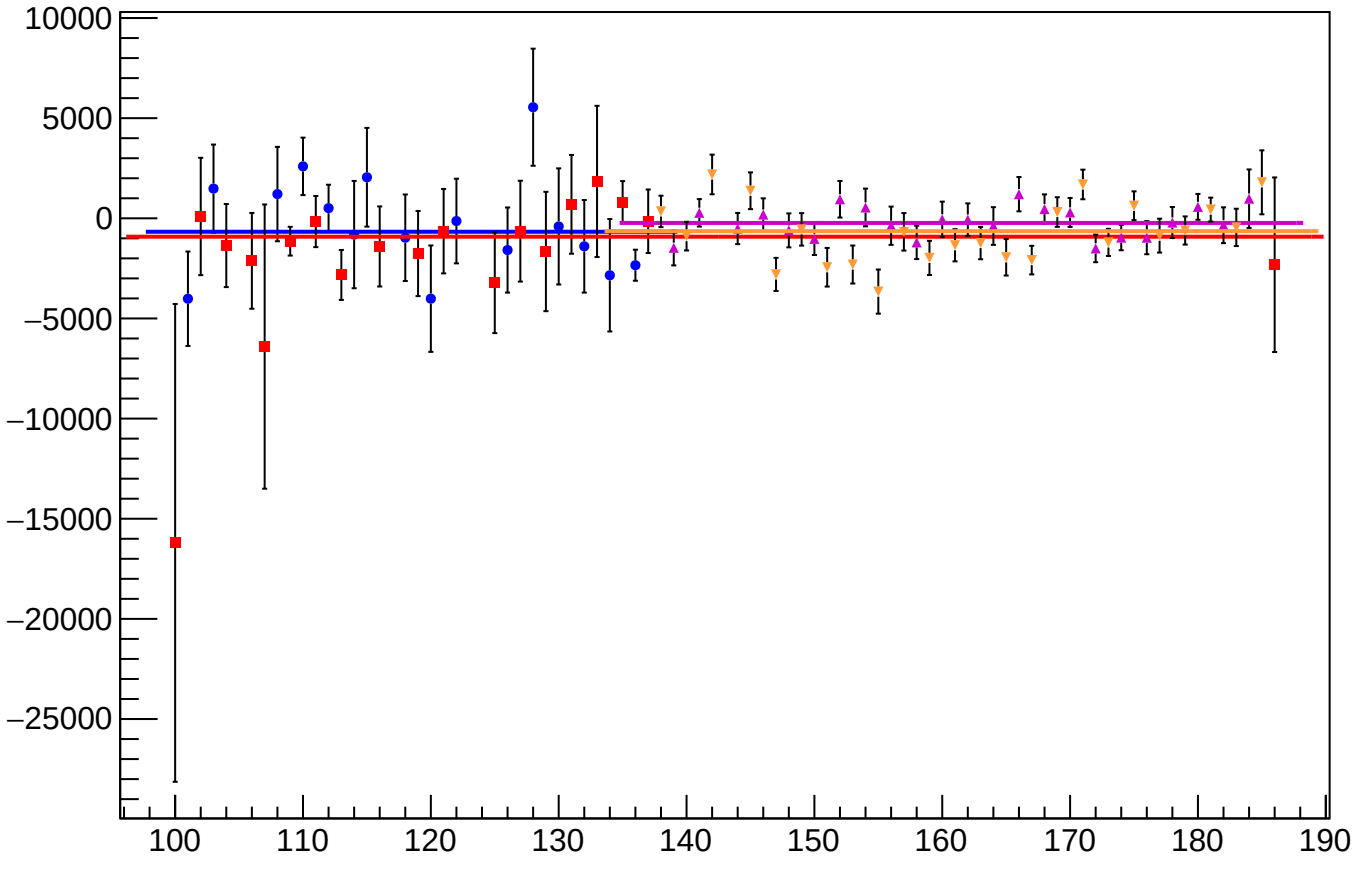
Right Out: 1833.478+/-0.472 χ^2/NDF: 105108.0/18

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.103+/-0.249 χ^2/NDF: 324864.2/39

All: 1786.802+/-0.176 χ^2/NDF: 459062.6/81

- sign 1788.492+/-0.249 χ^2/NDF: 134105.7/41



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

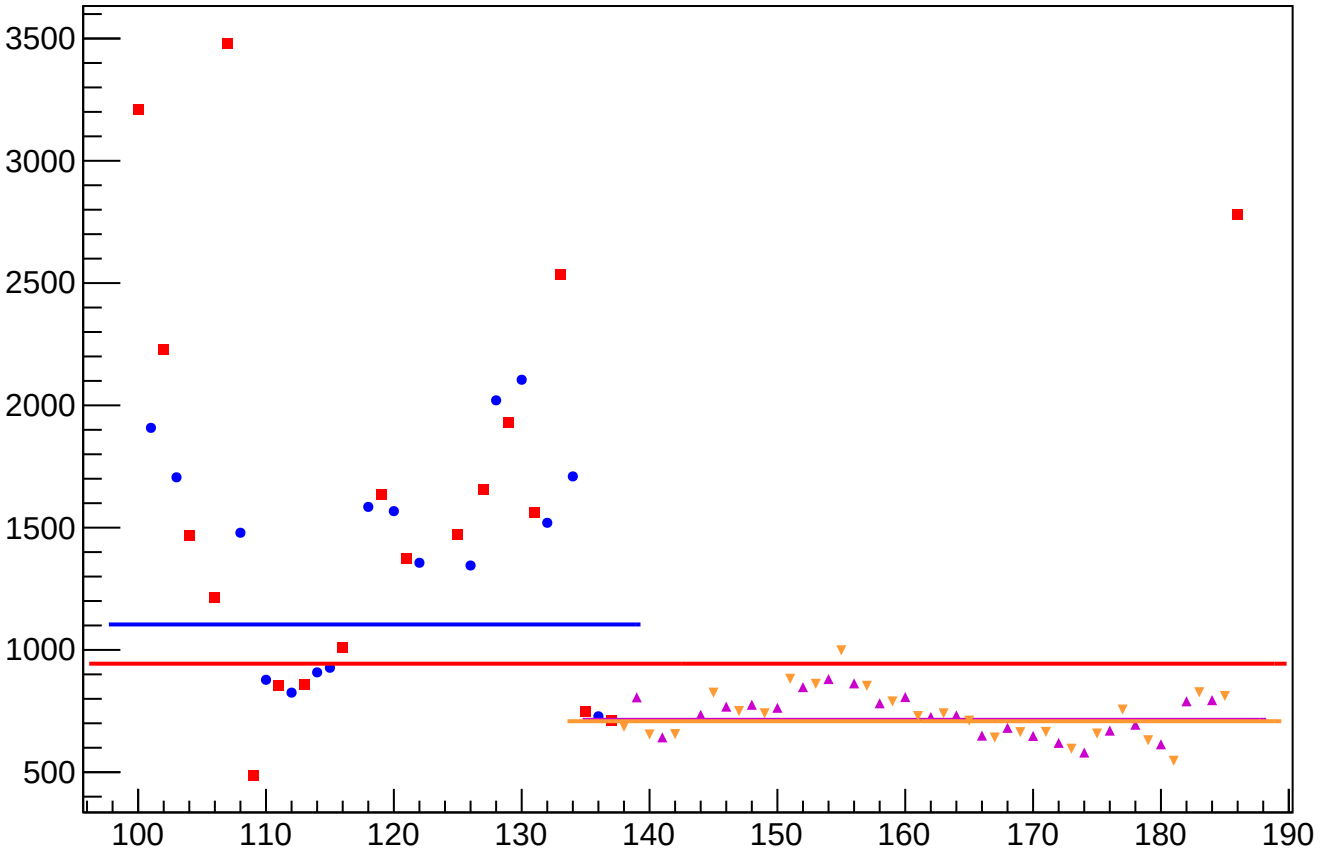
Right Out: -917.363+/-393.204 χ^2/NDF: 10.6/18

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -644.665+/-155.793 χ^2/NDF: 89.4/39

All: -489.755+/-109.788 χ^2/NDF: 124.5/81

- sign -336.934+/-154.739 χ^2/NDF: 33.1/41



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

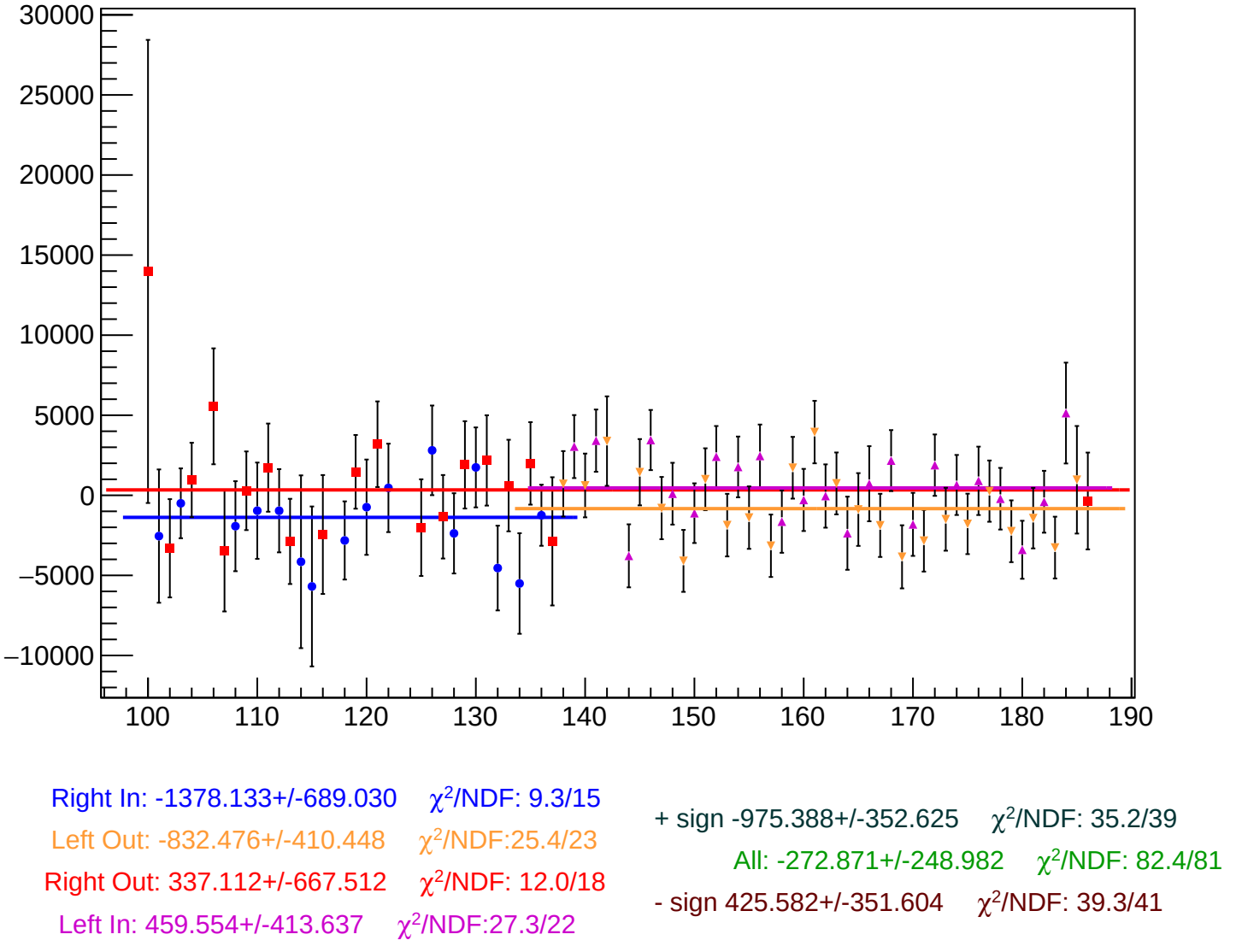
Right Out: 943.714+/-0.278 χ^2/NDF: 3412967.9/18

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

\+ sign 757.544+/-0.110 χ^2/NDF: 3995228.3/39

All: 753.604+/-0.078 χ^2/NDF: 8484037.4/81

\- 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
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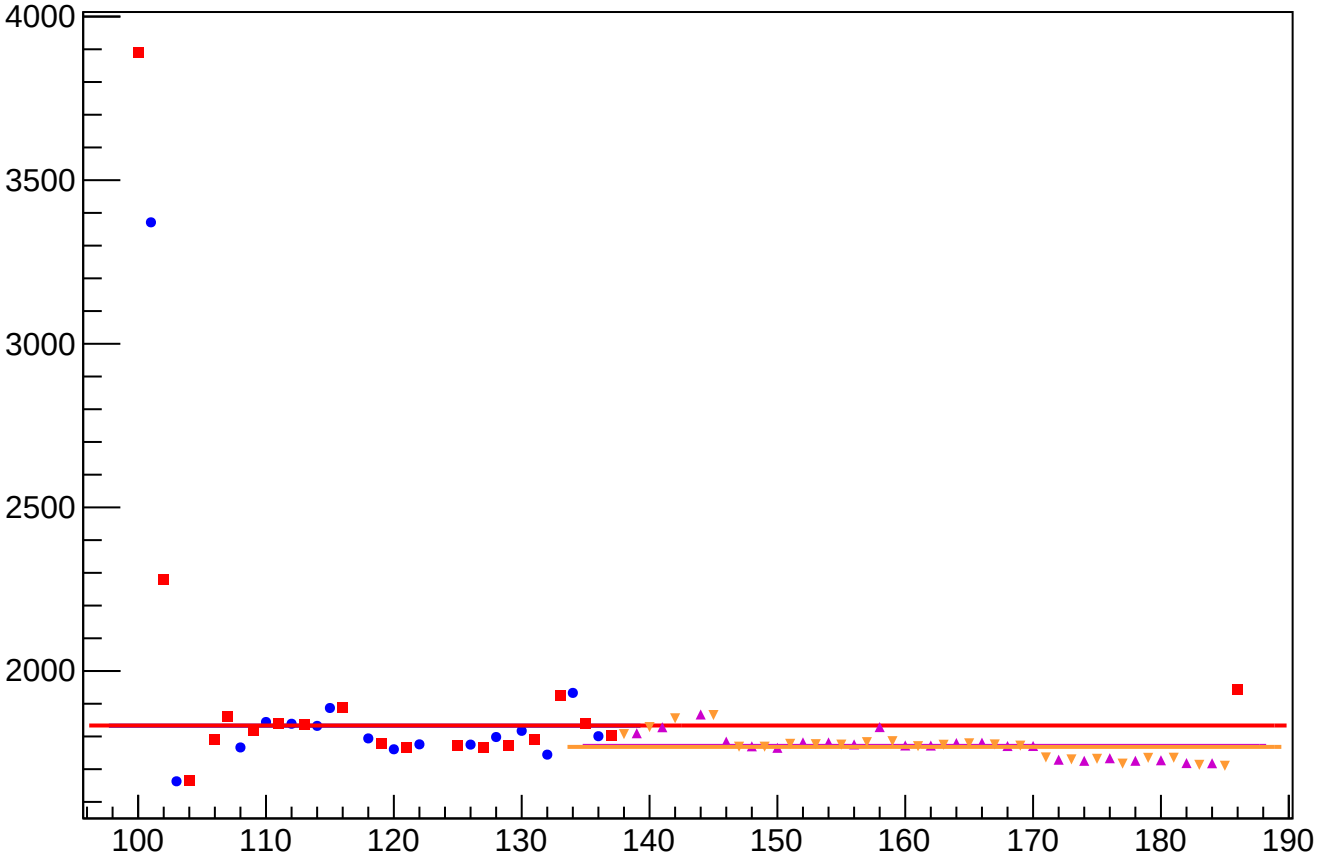
110
120
130
140
150
160
170
180
190
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -832.476+/-410.448 χ²/NDF:25.4/23
Right Out: 337.112+/-667.512 χ²/NDF: 12.0/18
Left In: 459.554+/-413.637 χ²/NDF:27.3/22
+ sign -975.388+/-352.625 χ²/NDF: 35.2/39
All: -272.871+/-248.982 χ²/NDF: 82.4/81
- sign 425.582+/-351.604 χ²/NDF: 39.3/41

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

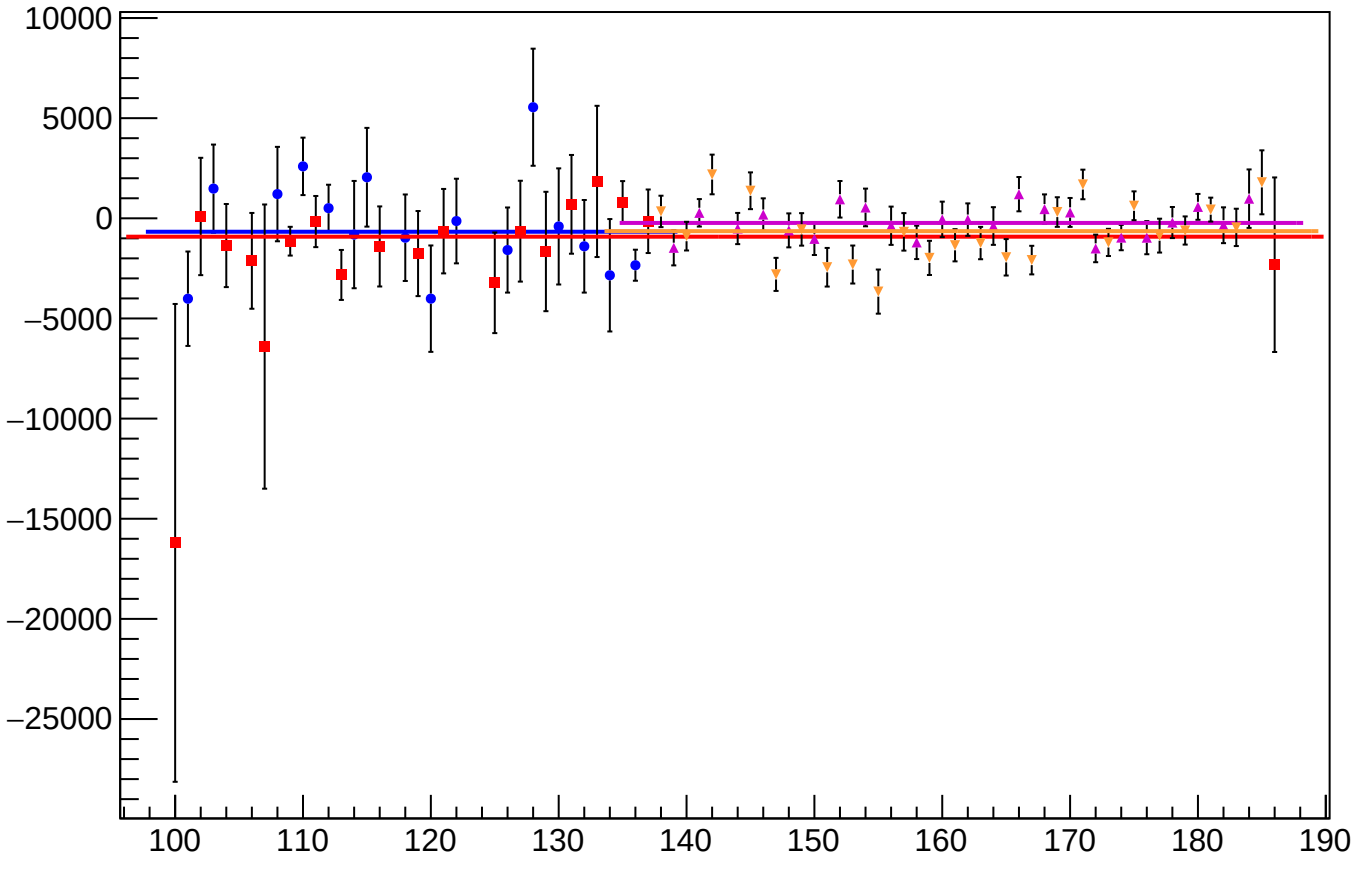
Right Out: 1833.478+/-0.472 χ^2/NDF: 105108.0/18

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.103+/-0.249 χ^2/NDF: 324864.2/39

All: 1786.802+/-0.176 χ^2/NDF: 459062.6/81

- sign 1788.492+/-0.249 χ^2/NDF: 134105.7/41



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

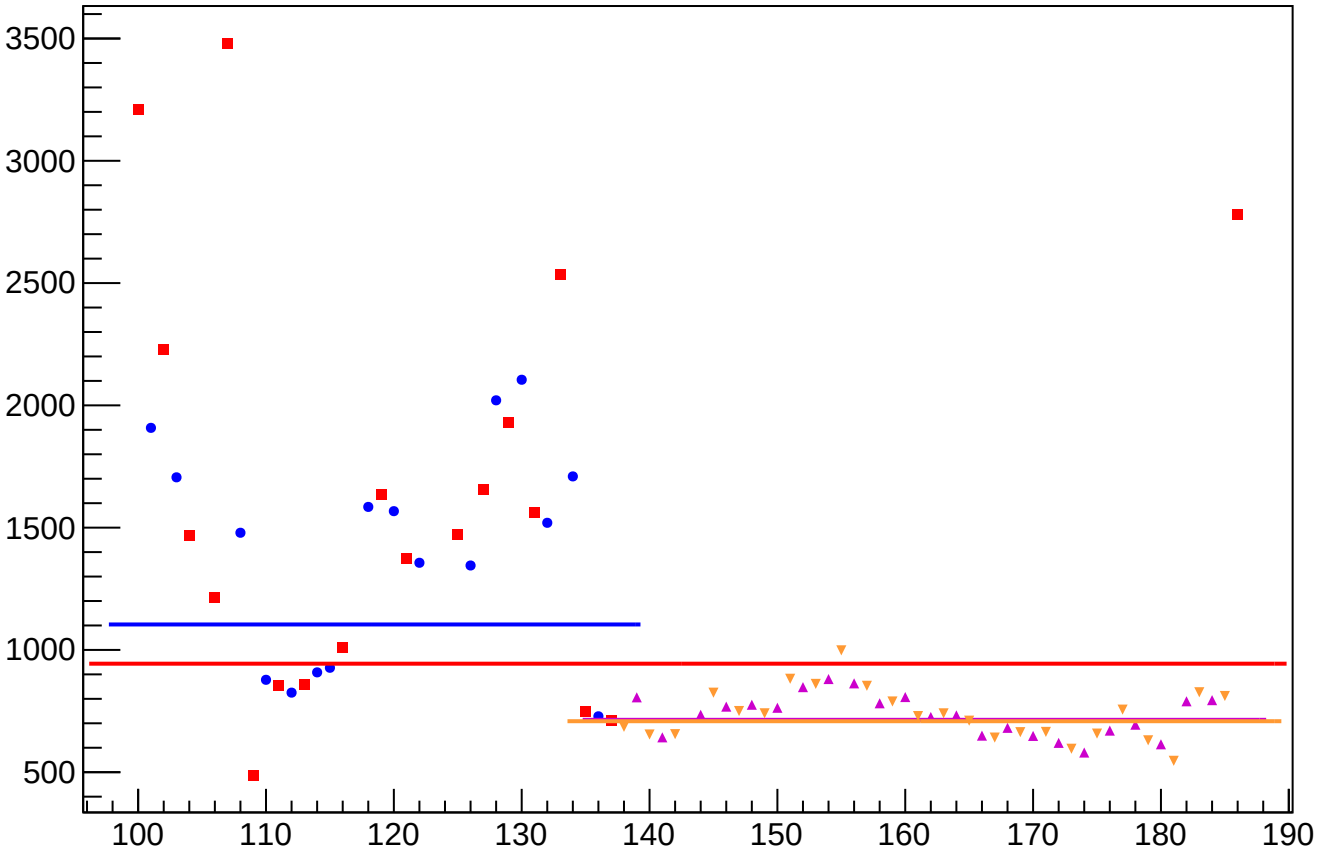
Right Out: -917.363+/-393.204 χ^2/NDF: 10.6/18

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -644.665+/-155.793 χ^2/NDF: 89.4/39

All: -489.755+/-109.788 χ^2/NDF: 124.5/81

- sign -336.934+/-154.739 χ^2/NDF: 33.1/41



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 943.714+/-0.278 χ^2/NDF: 3412967.9/18

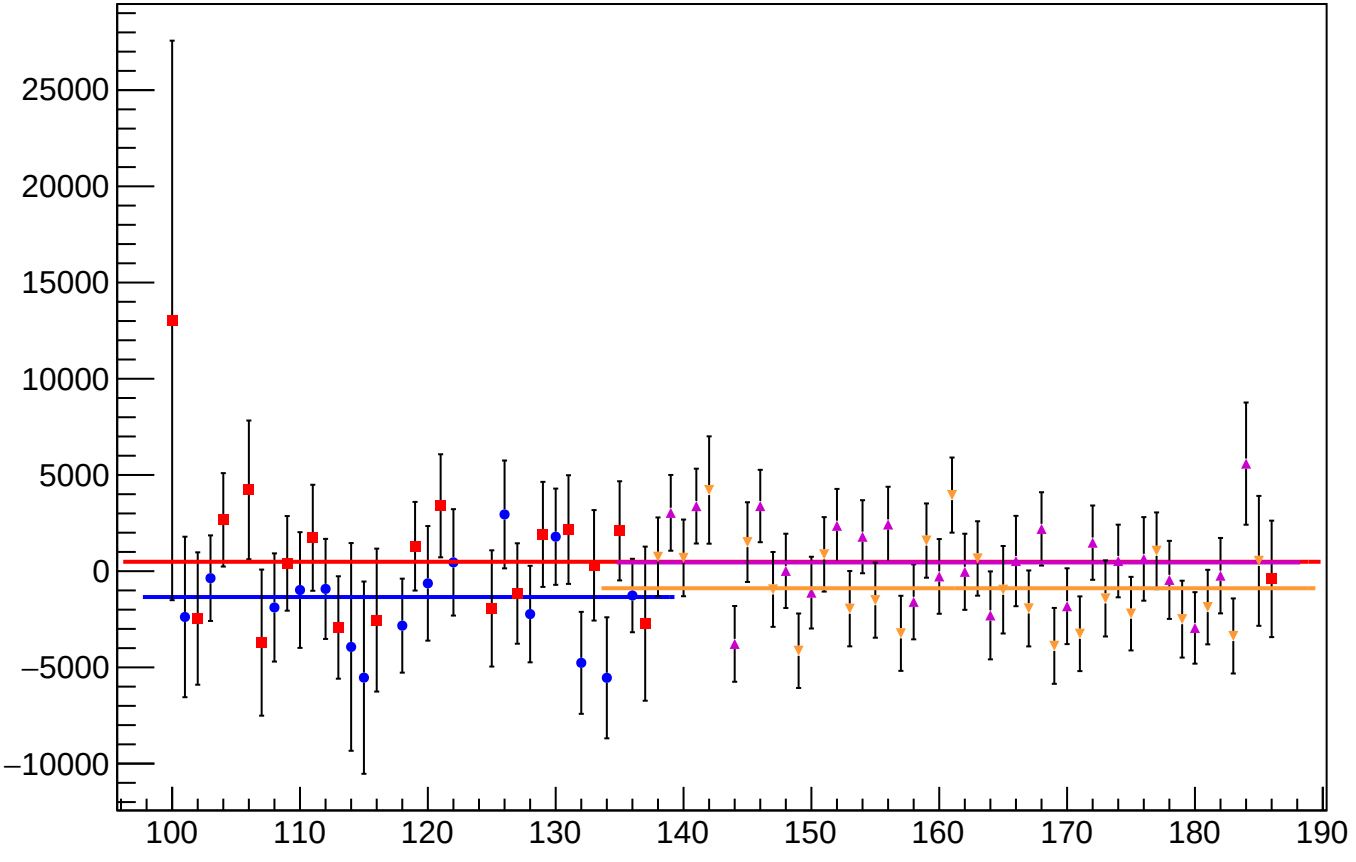
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 757.544+/-0.110 χ^2/NDF: 3995228.3/39

All: 753.604+/-0.078 χ^2/NDF: 8484037.4/81

- sign 749.717+/-0.109 χ^2/NDF: 4486268.3/41

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 487.852+/-673.629 χ^2/NDF: 11.2/18

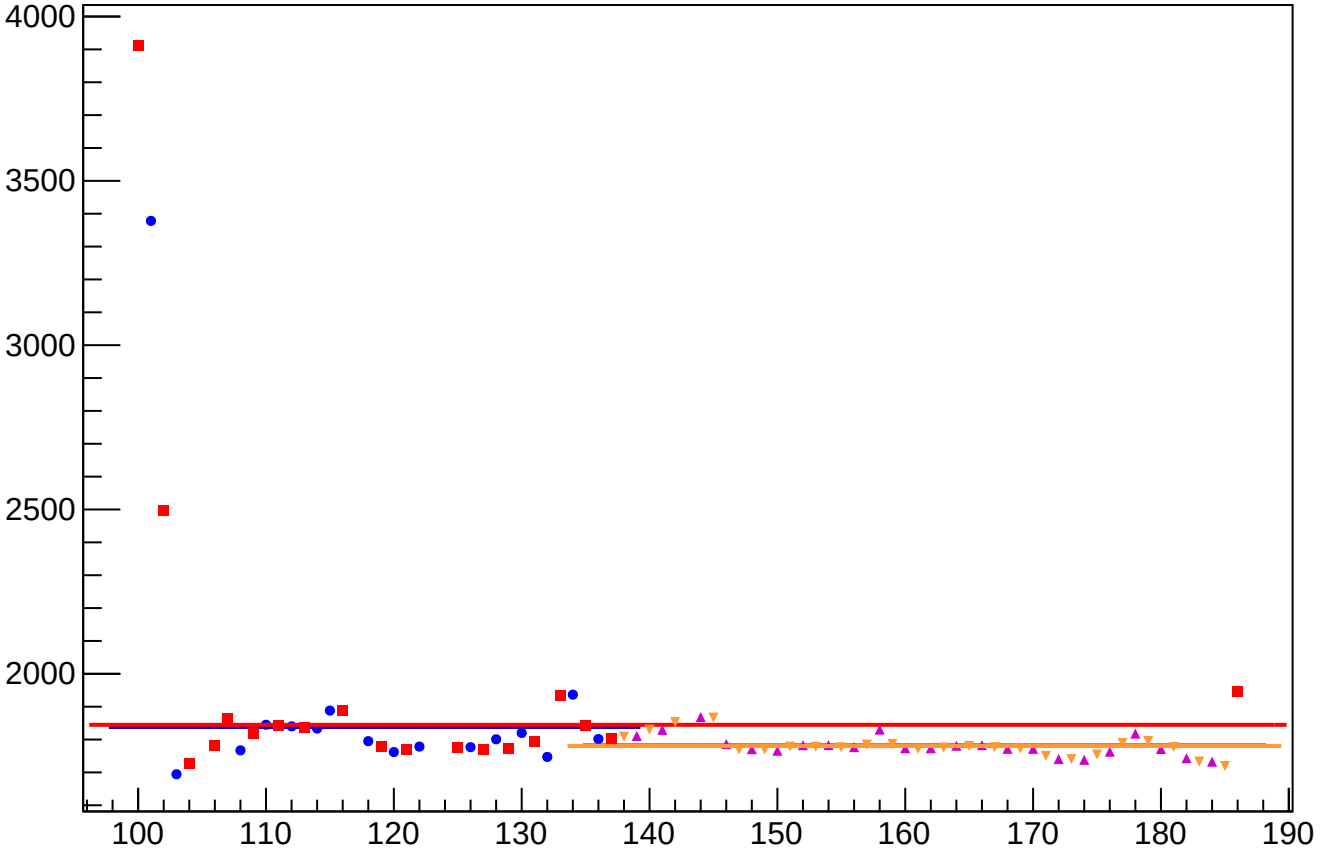
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -1006.908+/-354.642 χ^2/NDF: 38.1/39

All: -270.870+/-250.567 χ^2/NDF: 83.7/81

- sign 462.800+/-354.070 χ^2/NDF: 37.0/41

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

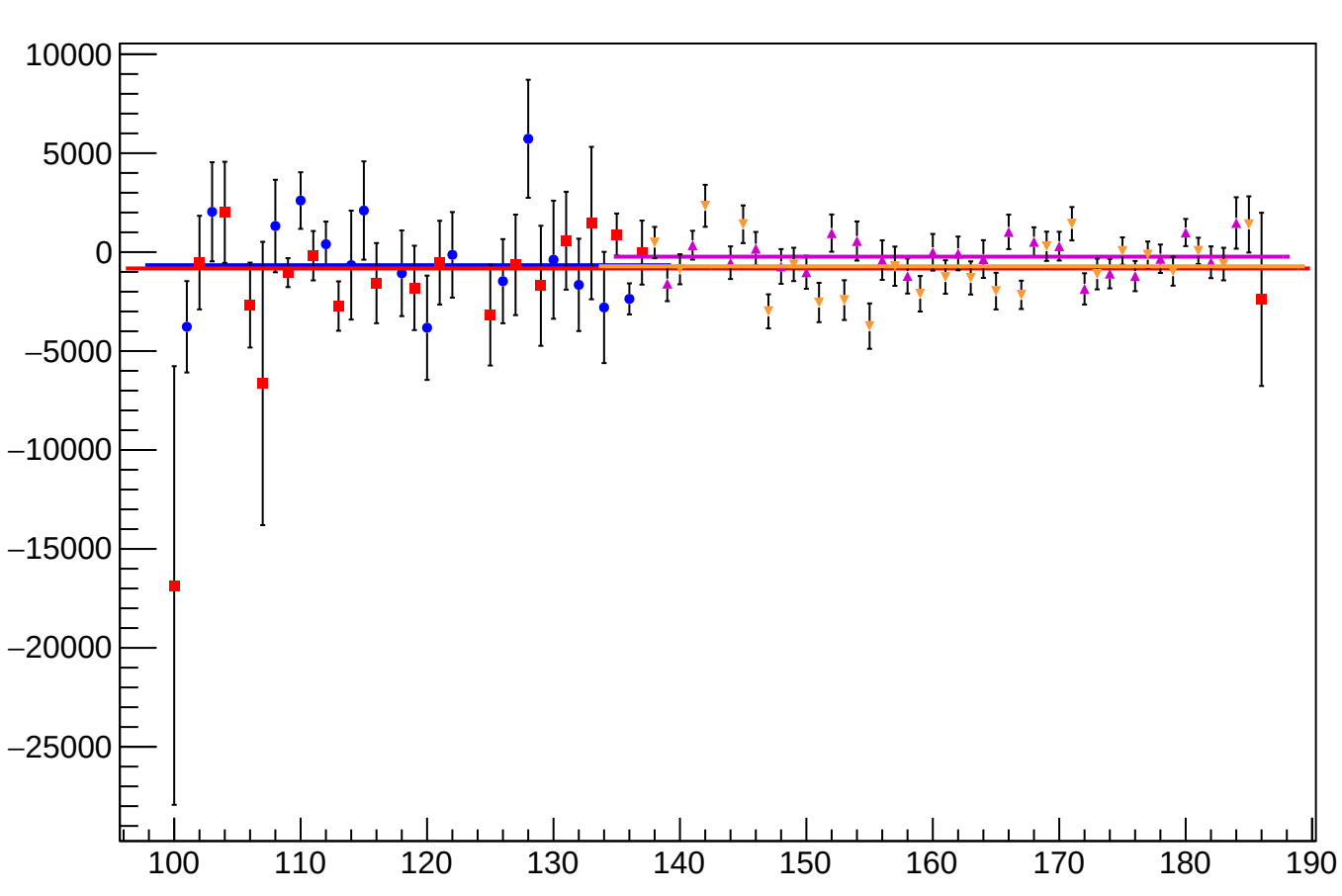
Right Out: 1844.817+/-0.476 χ^2/NDF: 130627.3/18

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.484+/-0.251 χ^2/NDF: 312722.5/39

All: 1797.531+/-0.177 χ^2/NDF: 467182.6/81

- sign 1799.571+/-0.250 χ^2/NDF: 154327.1/41



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: -825.063+/-395.561 χ^2/NDF: 12.4/18

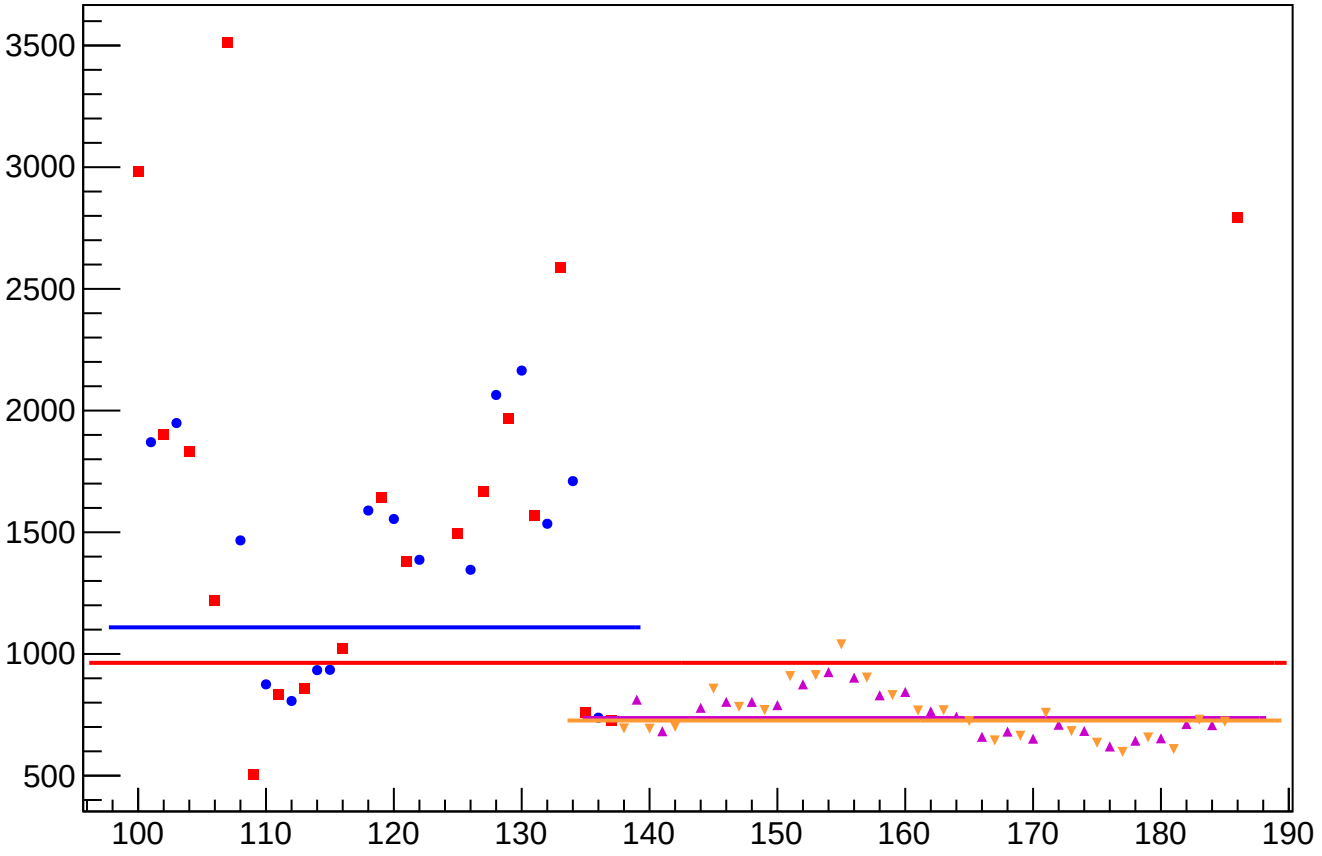
Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -709.818+/-159.338 χ^2/NDF: 82.1/39

All: -517.837+/-112.492 χ^2/NDF: 123.4/81

- sign -327.058+/-158.839 χ^2/NDF: 38.4/41

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

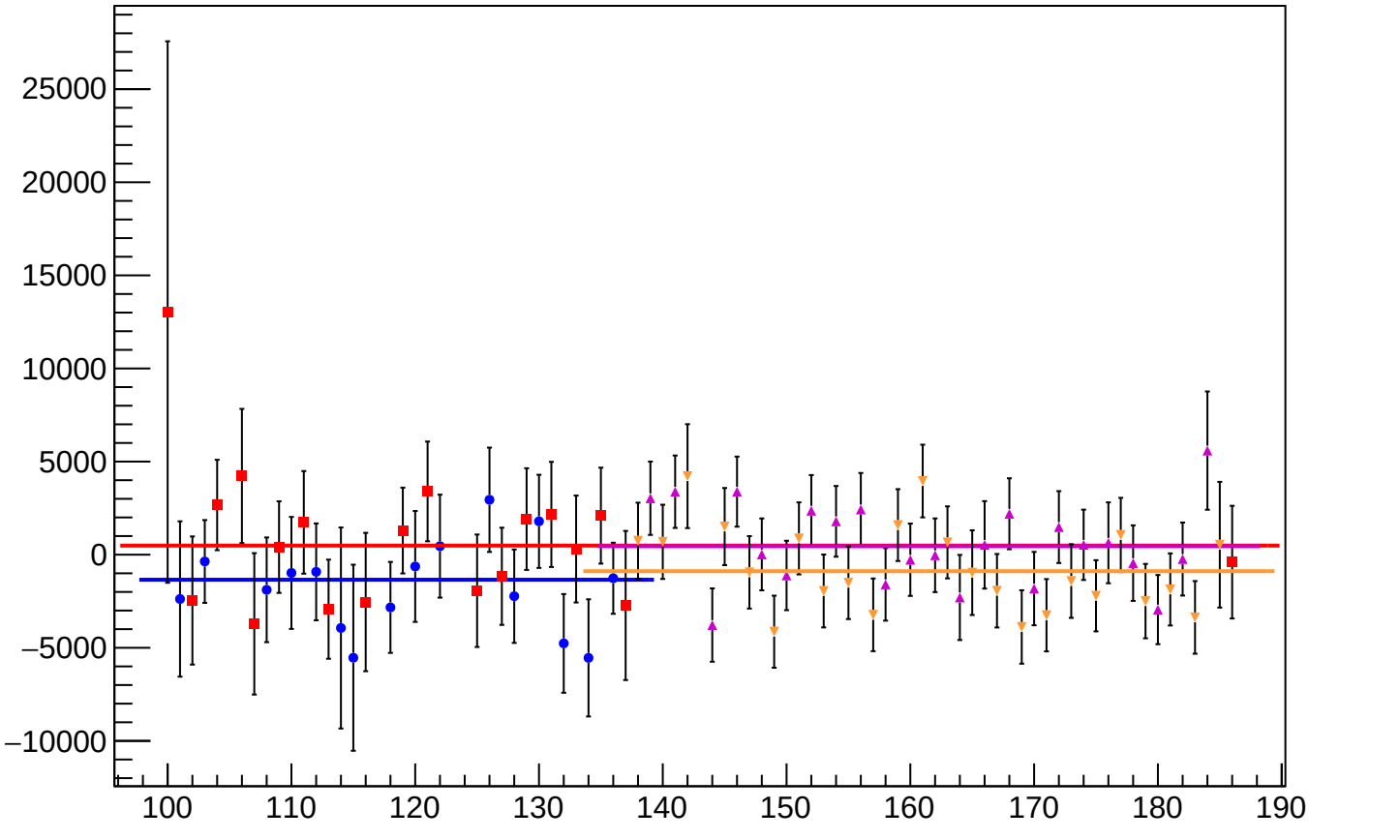
Right Out: 963.507+/-0.280 χ^2/NDF: 3406085.7/18

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 775.479+/-0.113 χ^2/NDF: 3943629.8/39

All: 774.376+/-0.080 χ^2/NDF: 8366408.9/81

- sign 773.279+/-0.112 χ^2/NDF: 4422588.0/41



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 487.857+/-673.629 χ^2/NDF: 11.2/18

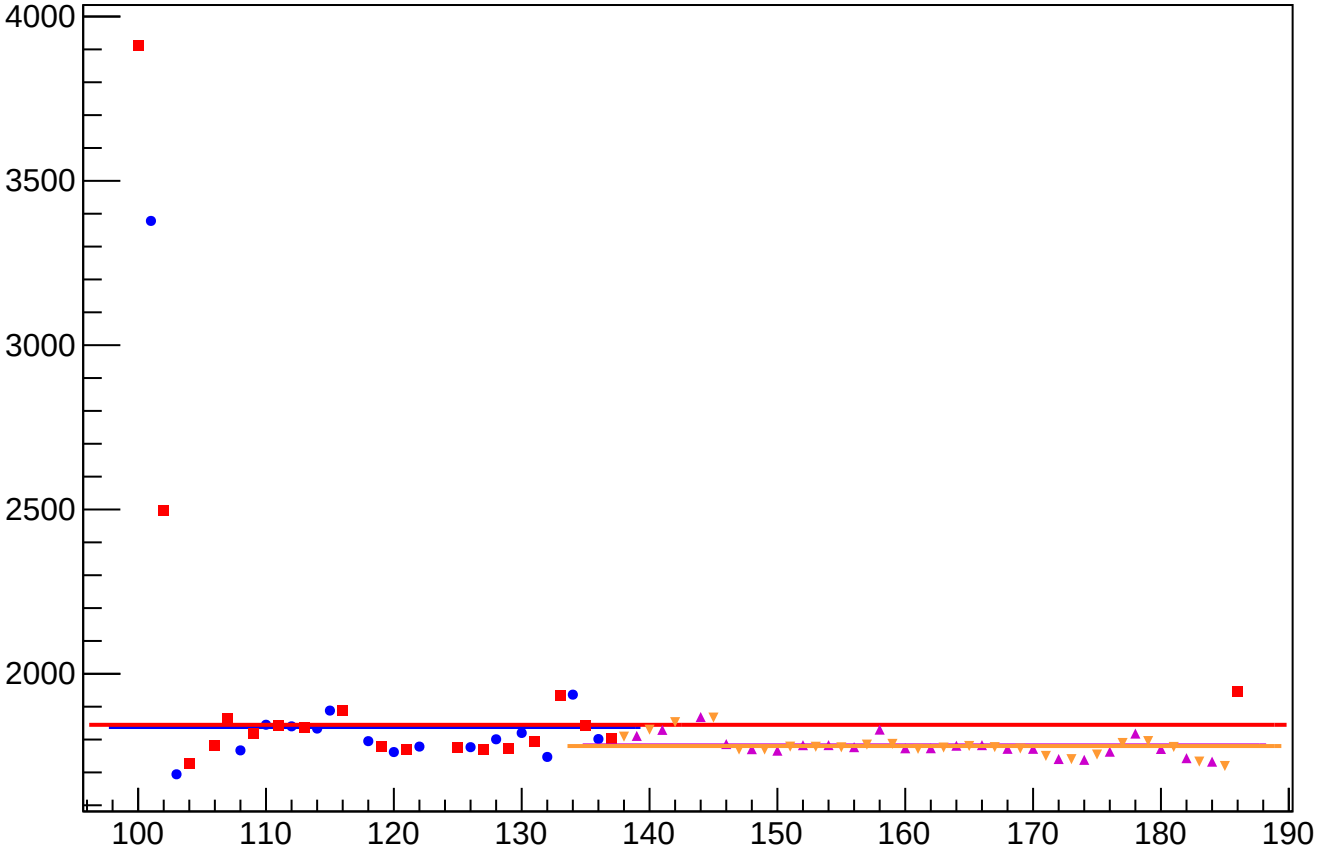
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -1006.908+/-354.642 χ^2/NDF: 38.1/39

All: -270.869+/-250.567 χ^2/NDF: 83.7/81

- sign 462.801+/-354.070 χ^2/NDF: 37.0/41

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

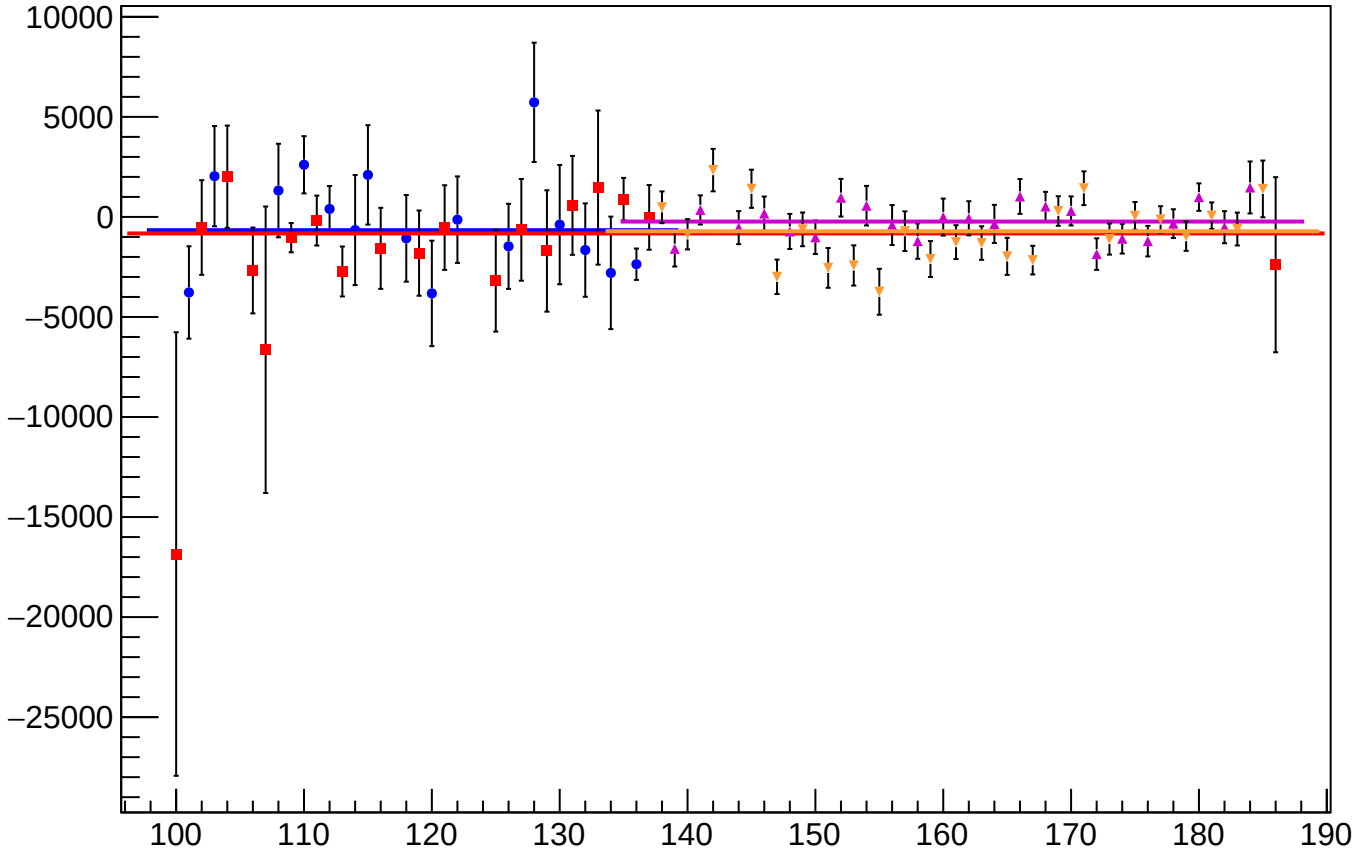
Right Out: 1844.817+/-0.476 χ^2/NDF: 130627.3/18

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.484+/-0.251 χ^2/NDF: 312722.6/39

All: 1797.531+/-0.177 χ^2/NDF: 467182.8/81

- sign 1799.570+/-0.250 χ^2/NDF: 154327.2/41



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

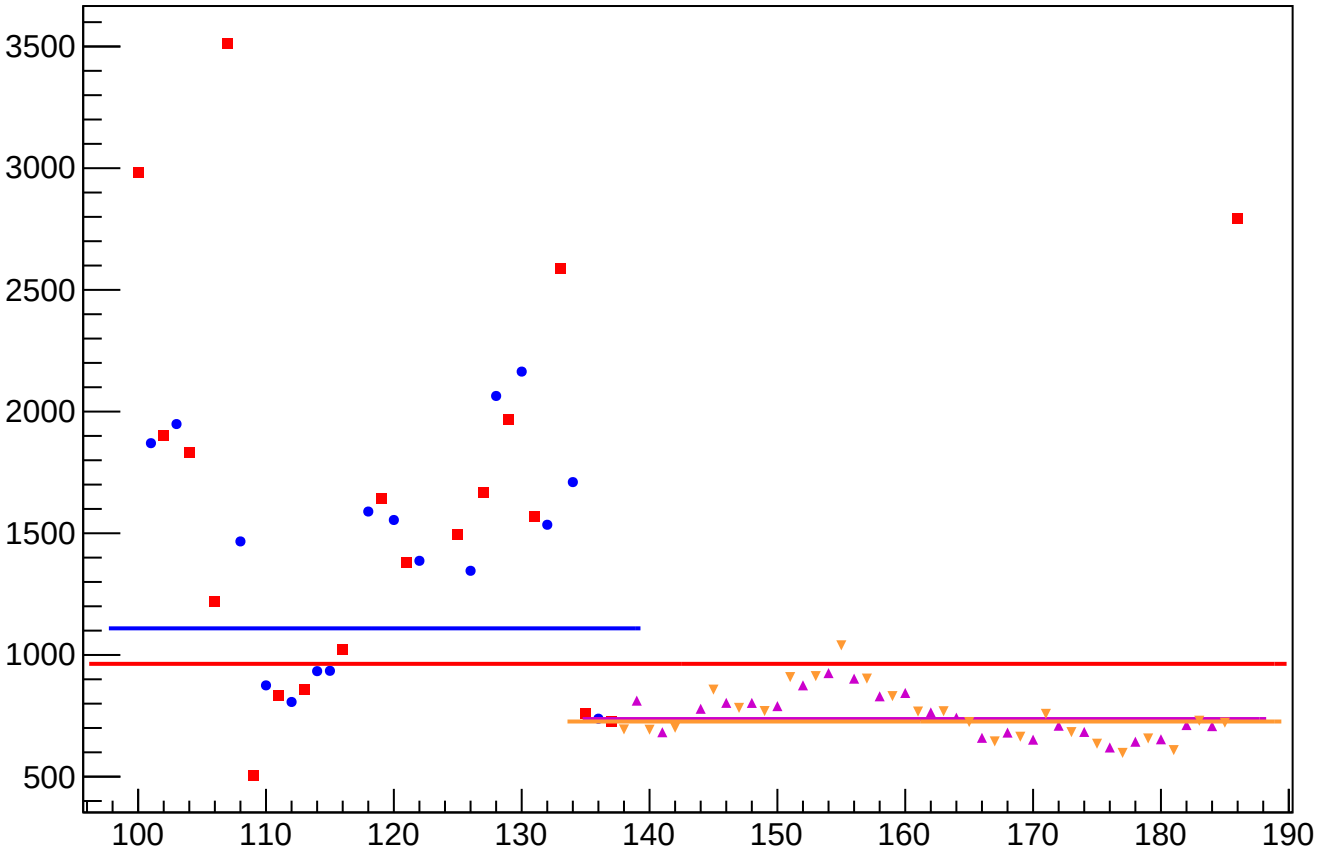
Right Out: -825.069+/-395.562 χ^2/NDF: 12.4/18

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -709.817+/-159.338 χ^2/NDF: 82.1/39

All: -517.836+/-112.492 χ^2/NDF: 123.4/81

- sign -327.057+/-158.839 χ^2/NDF: 38.4/41



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

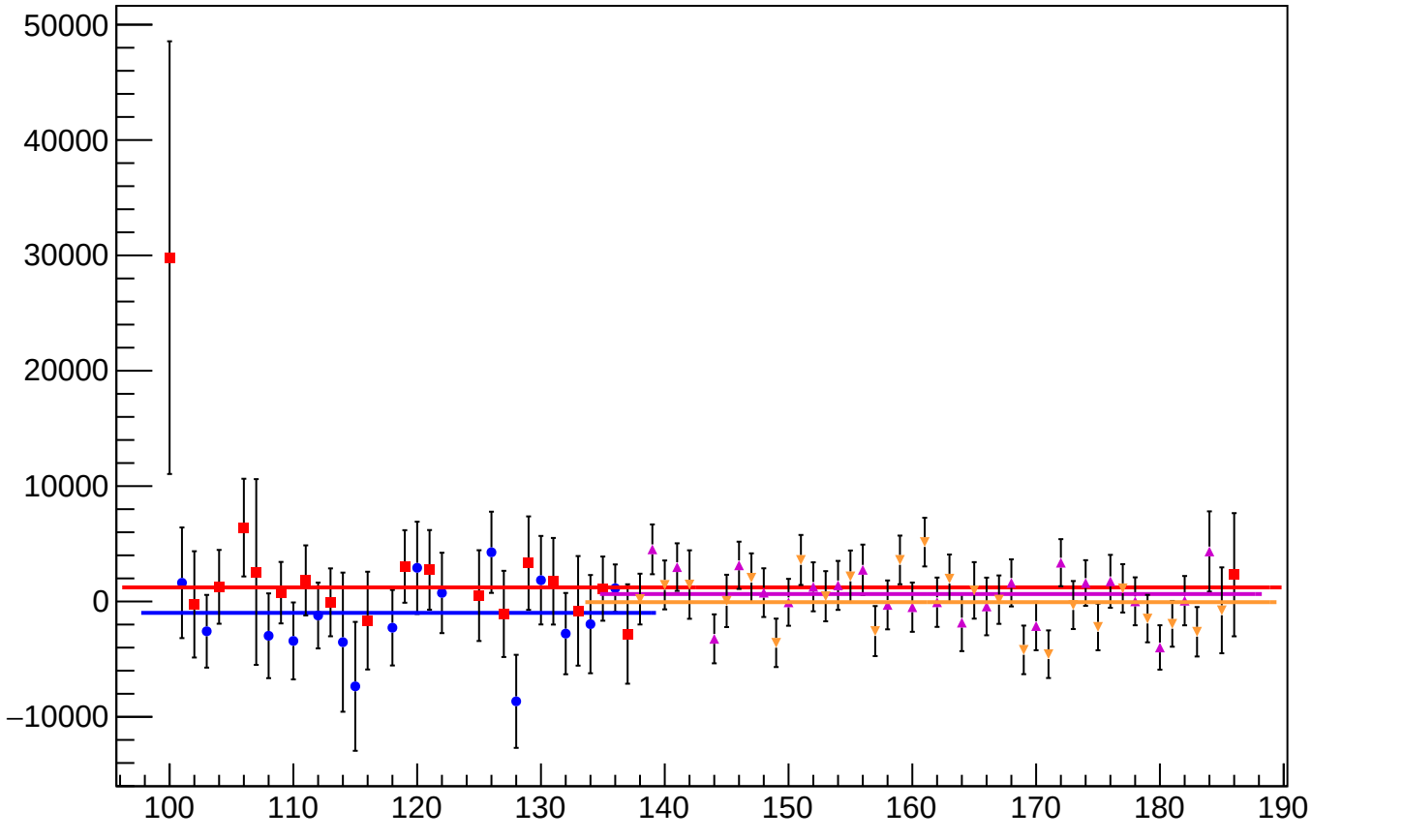
Right Out: 963.509+/-0.280 χ^2/NDF: 3406058.1/18

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

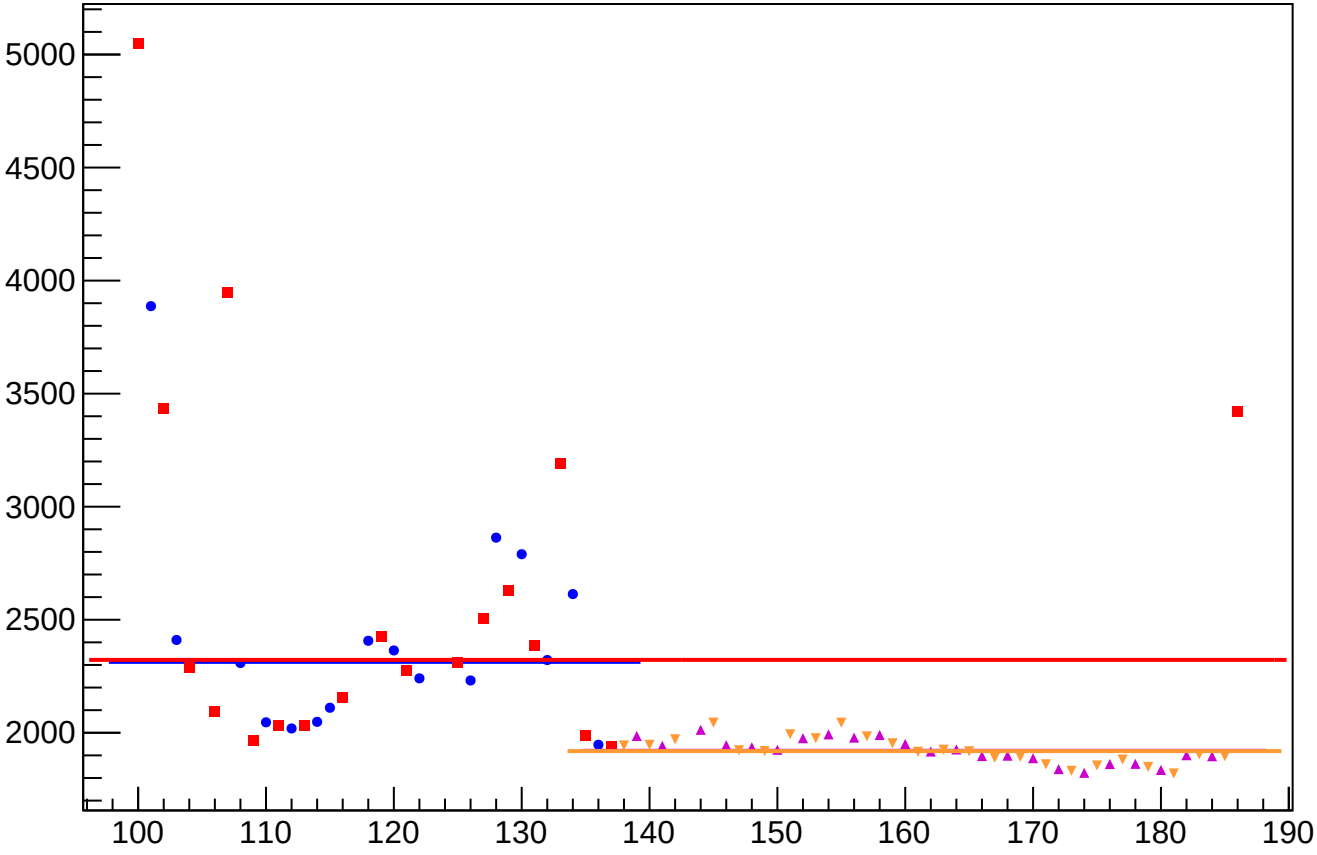
+ sign 775.479+/-0.113 χ^2/NDF: 3943601.9/39

All: 774.376+/-0.080 χ^2/NDF: 8366378.7/81

- sign 773.279+/-0.112 χ^2/NDF: 4422585.5/41


asym_us_dd_atlr_dd_avg_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -987.532+/-873.840 χ²/NDF: 12.0/15
Left Out: -59.589+/-445.601 χ²/NDF:33.0/23
Right Out: 1221.346+/-859.089 χ²/NDF: 7.0/18
Left In: 646.910+/-448.538 χ²/NDF:23.7/22
+ sign -251.089+/-396.968 χ²/NDF: 45.9/39
All: 258.613+/-280.924 χ²/NDF: 80.2/81
- sign 769.957+/-397.607 χ²/NDF: 31.0/41

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

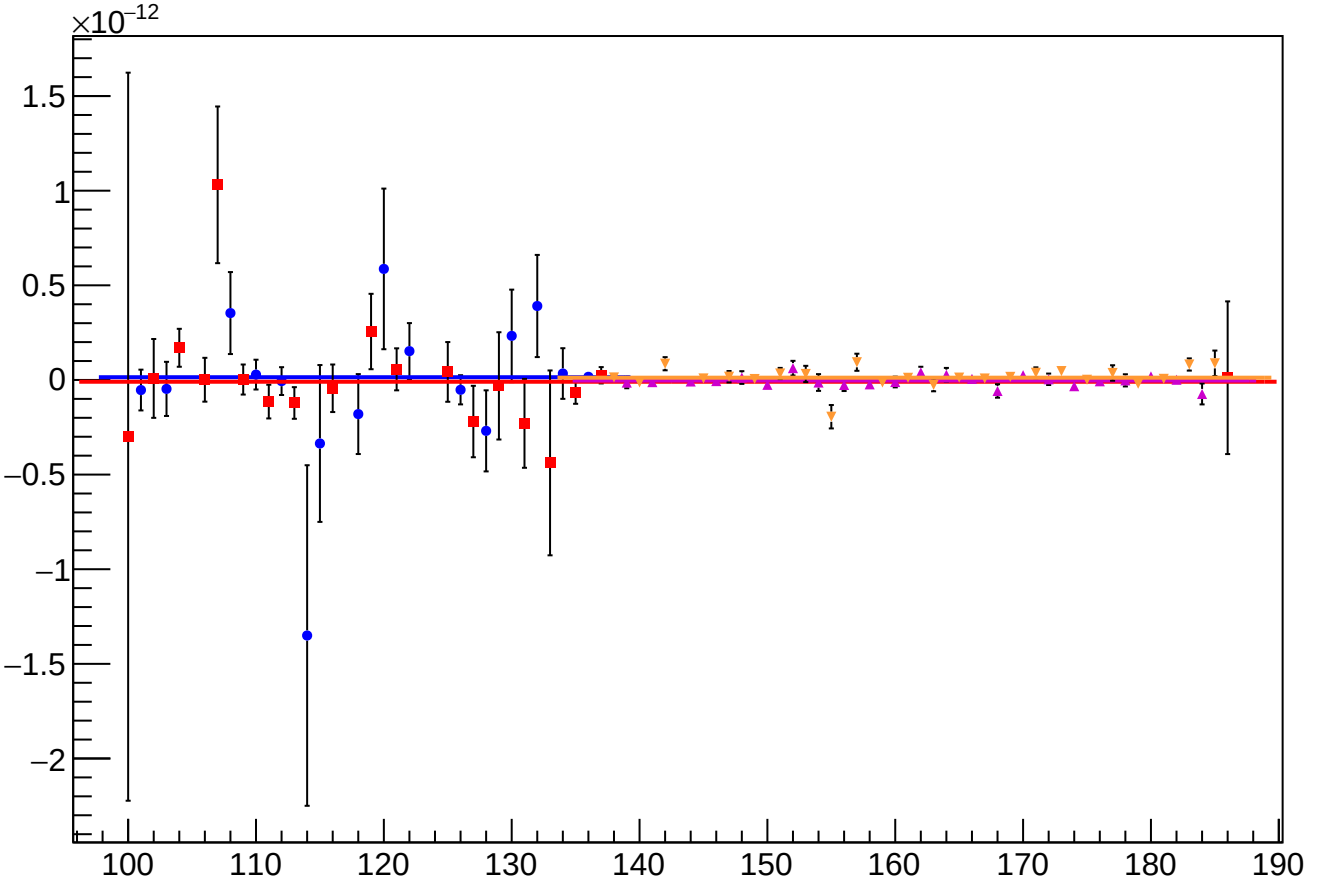
Right Out: 2322.448+/-0.607 χ^2/NDF: 539978.2/18

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

\+ sign 2000.444+/-0.281 χ^2/NDF: 762270.6/39

All: 2003.405+/-0.199 χ^2/NDF: 1676911.4/81

\- sign 2006.376+/-0.281 χ^2/NDF: 914417.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

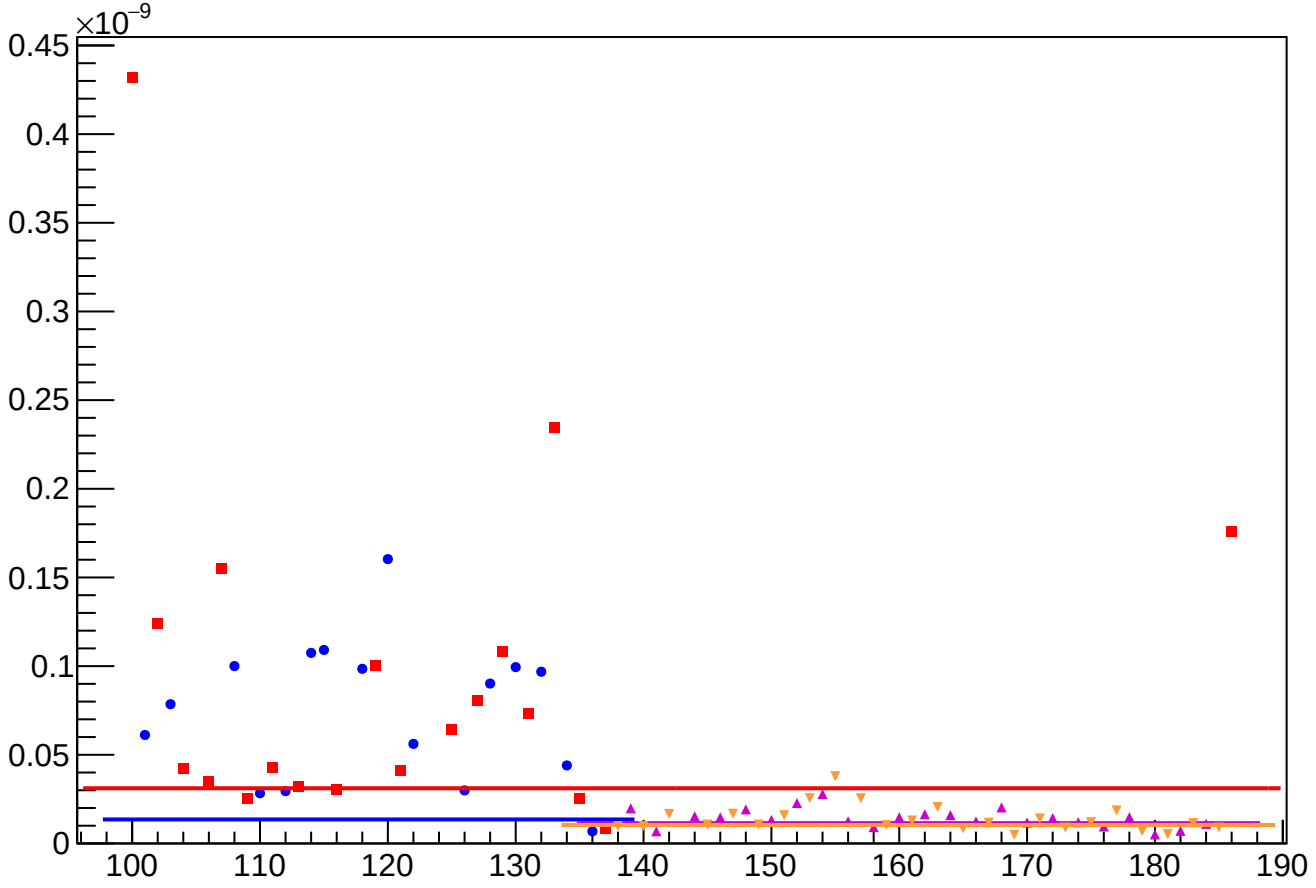
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/18

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.1/39

All: 0.000+/-0.000 χ^2/NDF: 97.6/81

- sign -0.000+/-0.000 χ^2/NDF: 39.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

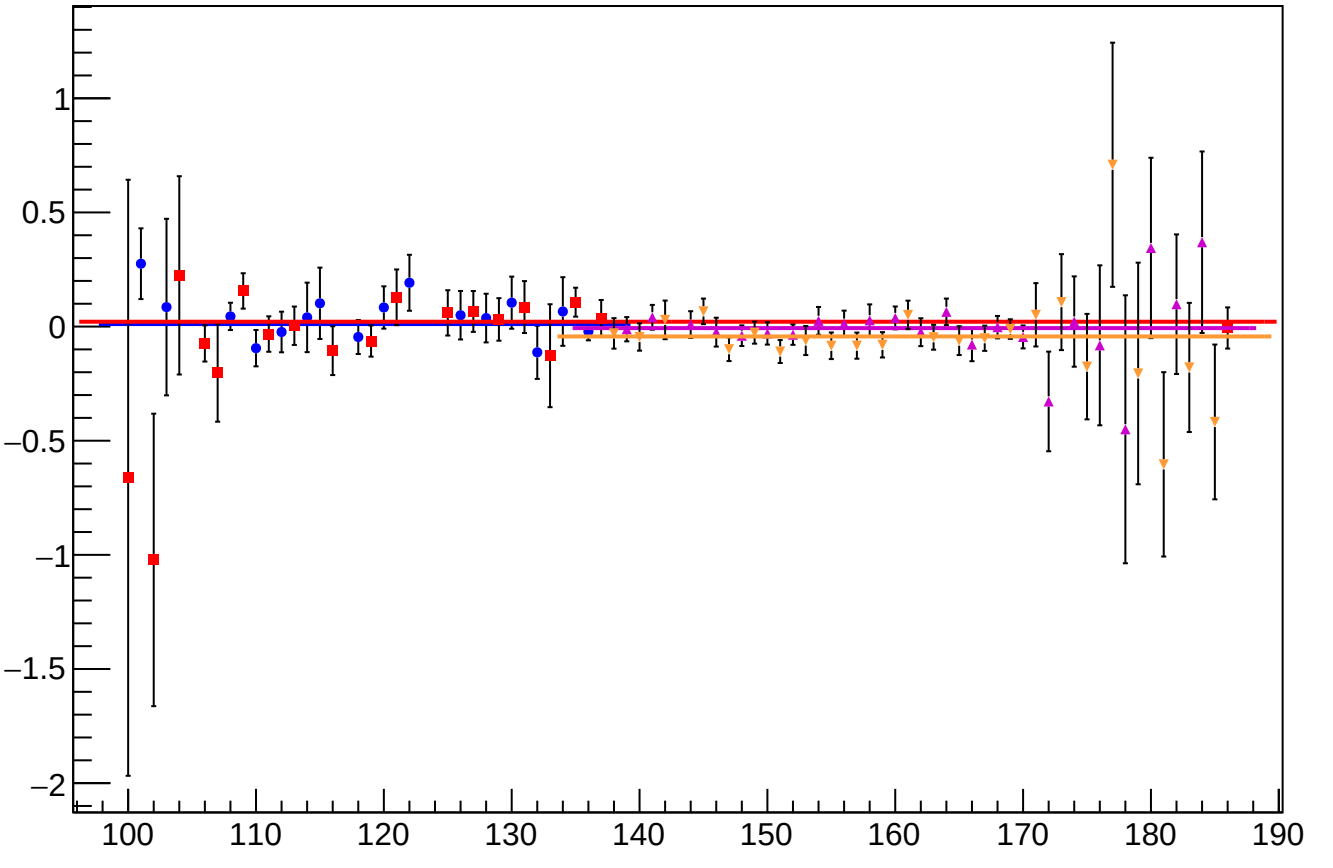
Right Out: 0.000+/-0.000 χ^2/NDF: 2608419.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5580187.3/39

All: 0.000+/-0.000 χ^2/NDF: 11472806.0/81

- sign 0.000+/-0.000 χ^2/NDF: 5783624.7/41



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

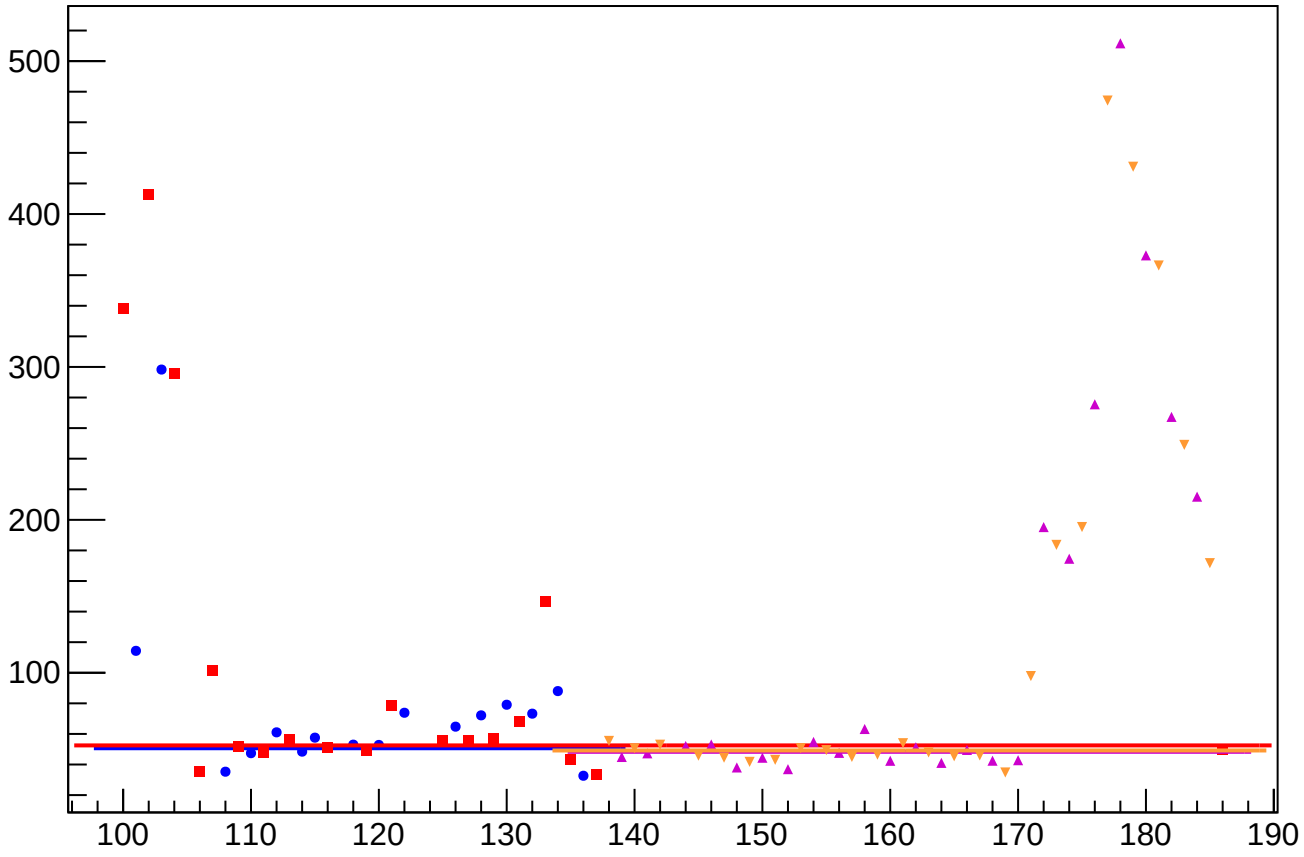
Right Out: 0.021+/-0.022 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.028+/-0.012 χ^2/NDF: 35.0/39

All: -0.013+/-0.008 χ^2/NDF: 66.4/81

- sign 0.001+/-0.012 χ^2/NDF: 28.5/41



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

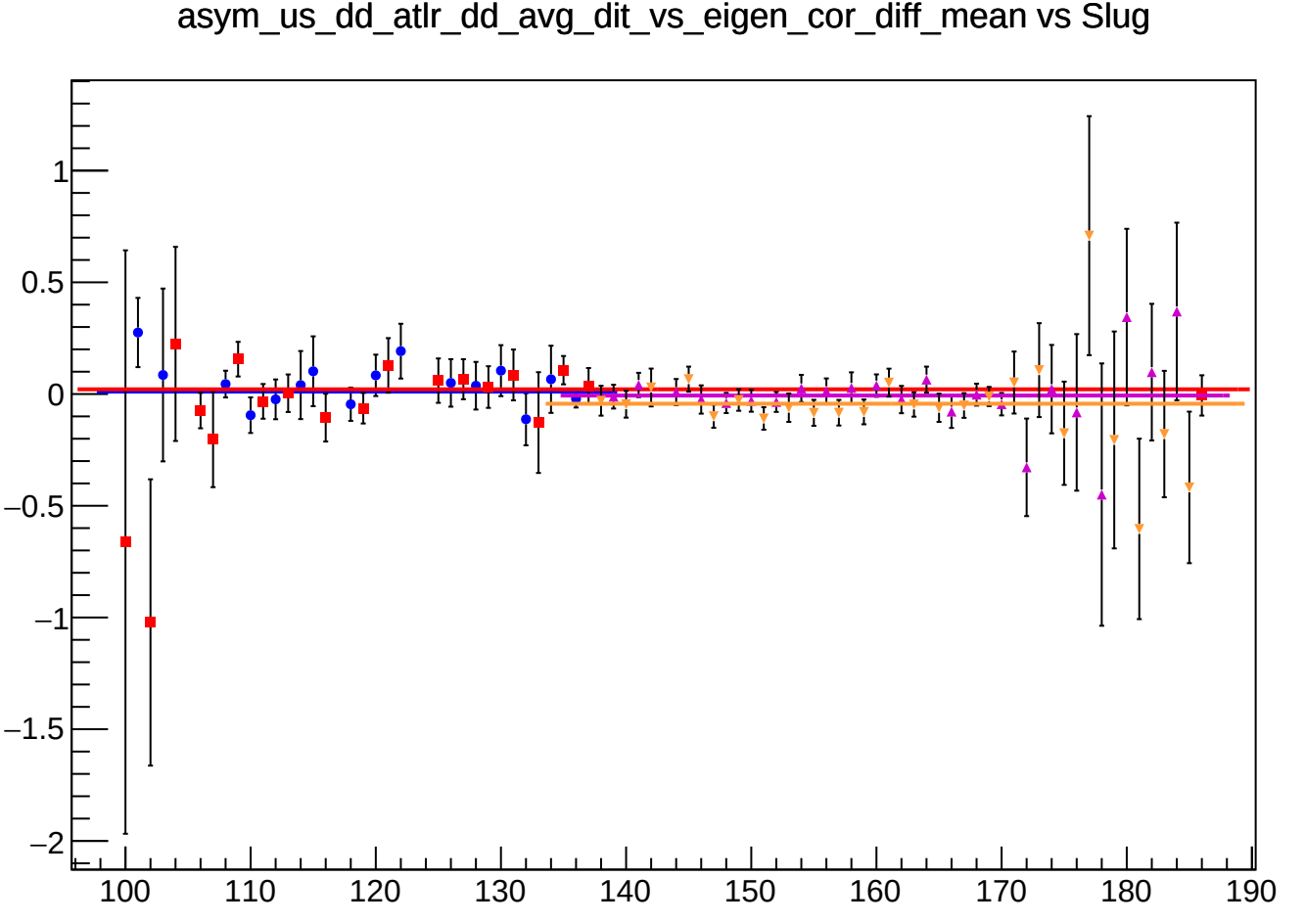
Right Out: 52.497+/-0.016 χ^2/NDF: 2213680.9/18

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 49.602+/-0.008 χ^2/NDF: 9522928.6/39

All: 49.513+/-0.006 χ^2/NDF: 18828820.5/81

\- sign 49.427+/-0.008 χ^2/NDF: 9305666.3/41



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

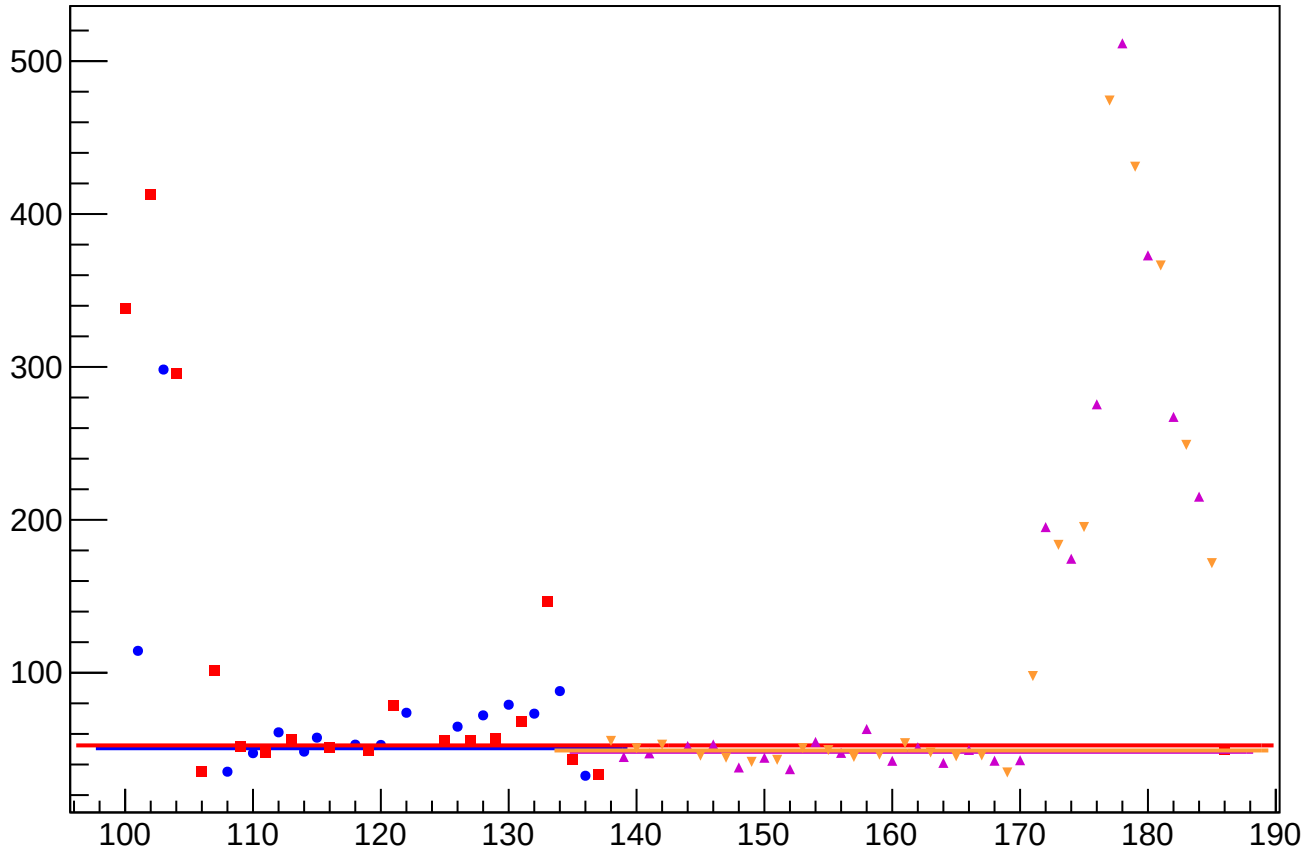
Right Out: 0.021+/-0.022 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.028+/-0.012 χ^2/NDF: 35.0/39

All: -0.013+/-0.008 χ^2/NDF: 66.4/81

- sign 0.001+/-0.012 χ^2/NDF: 28.5/41



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

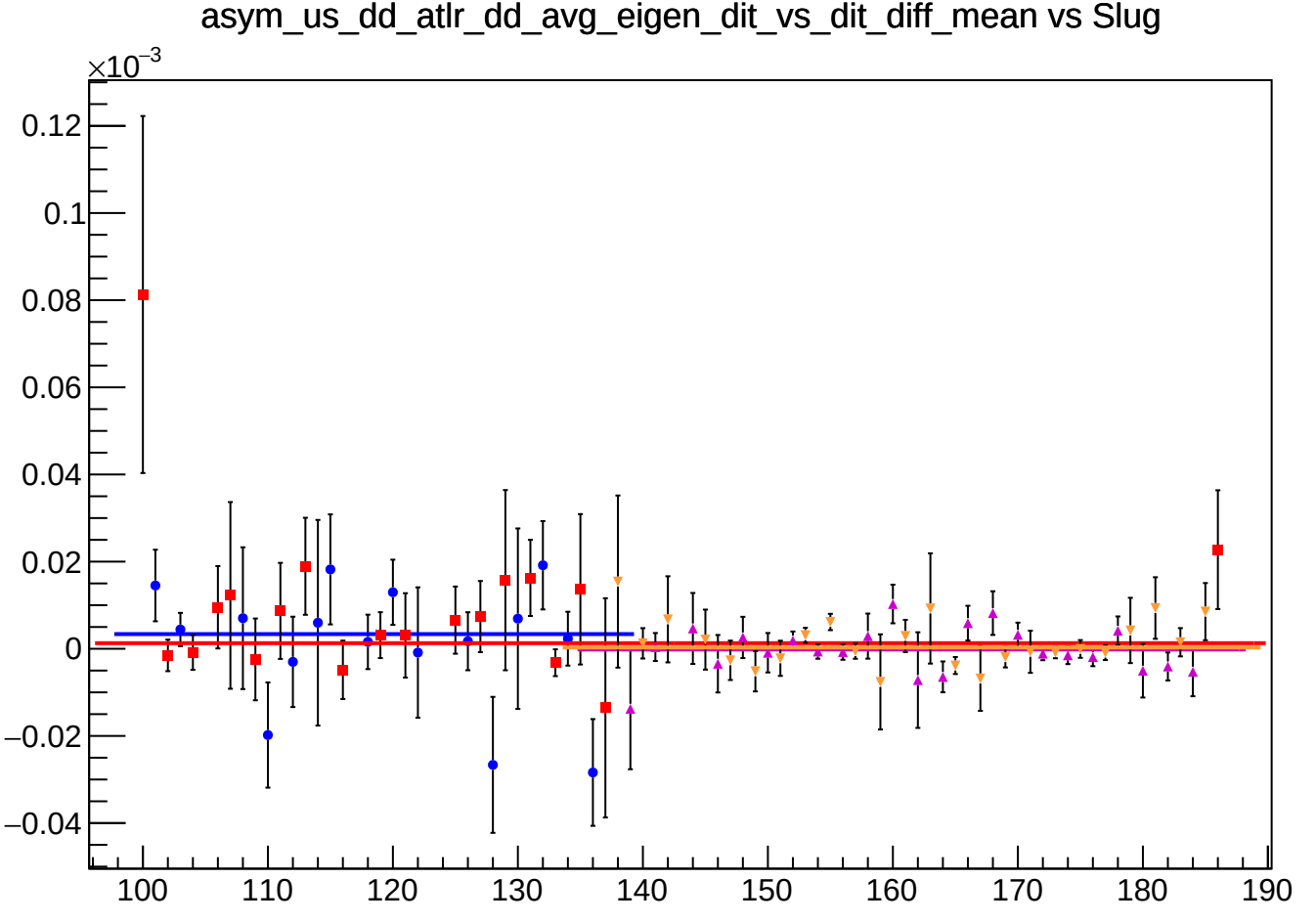
Right Out: 52.497+/-0.016 χ^2/NDF: 2213680.9/18

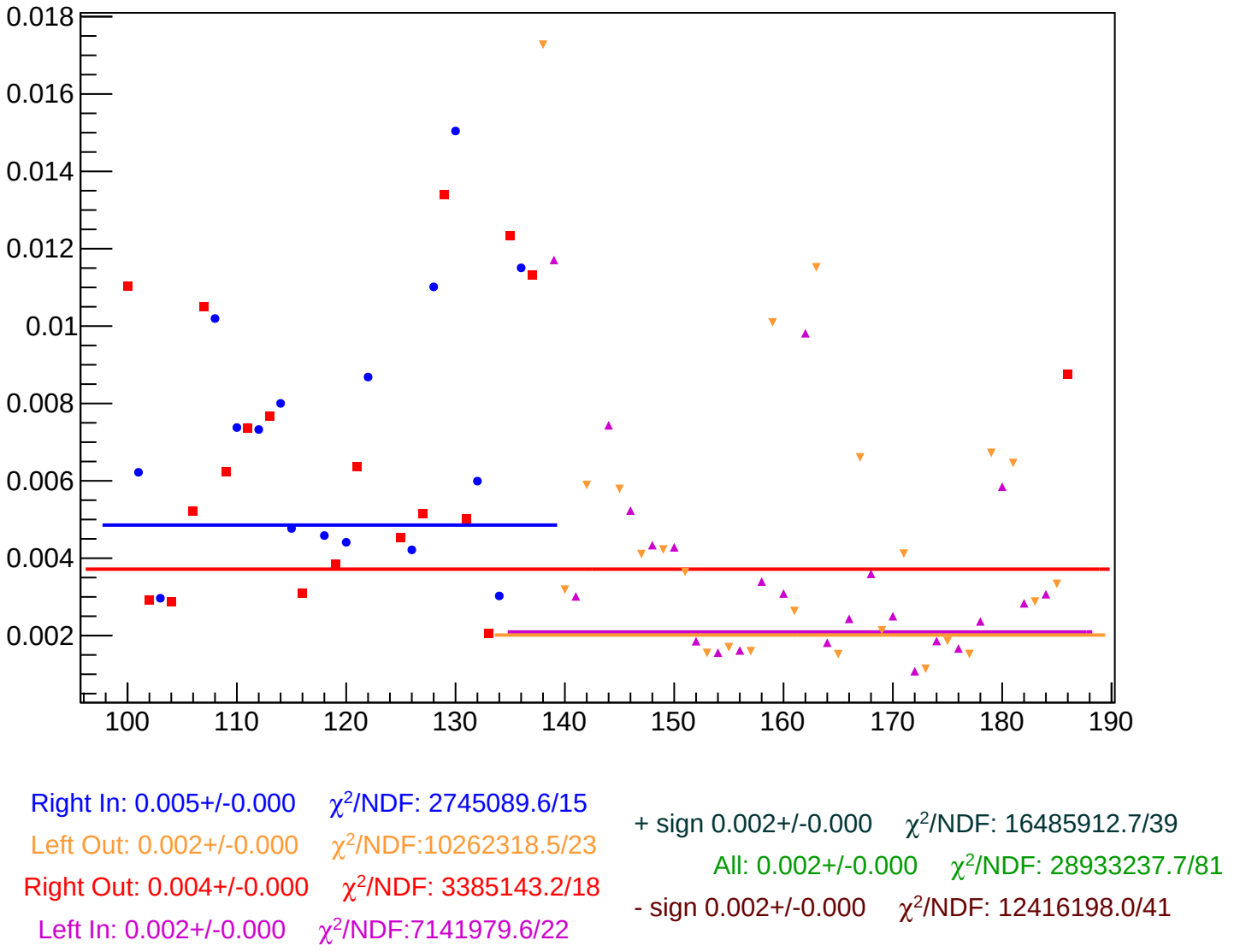
Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

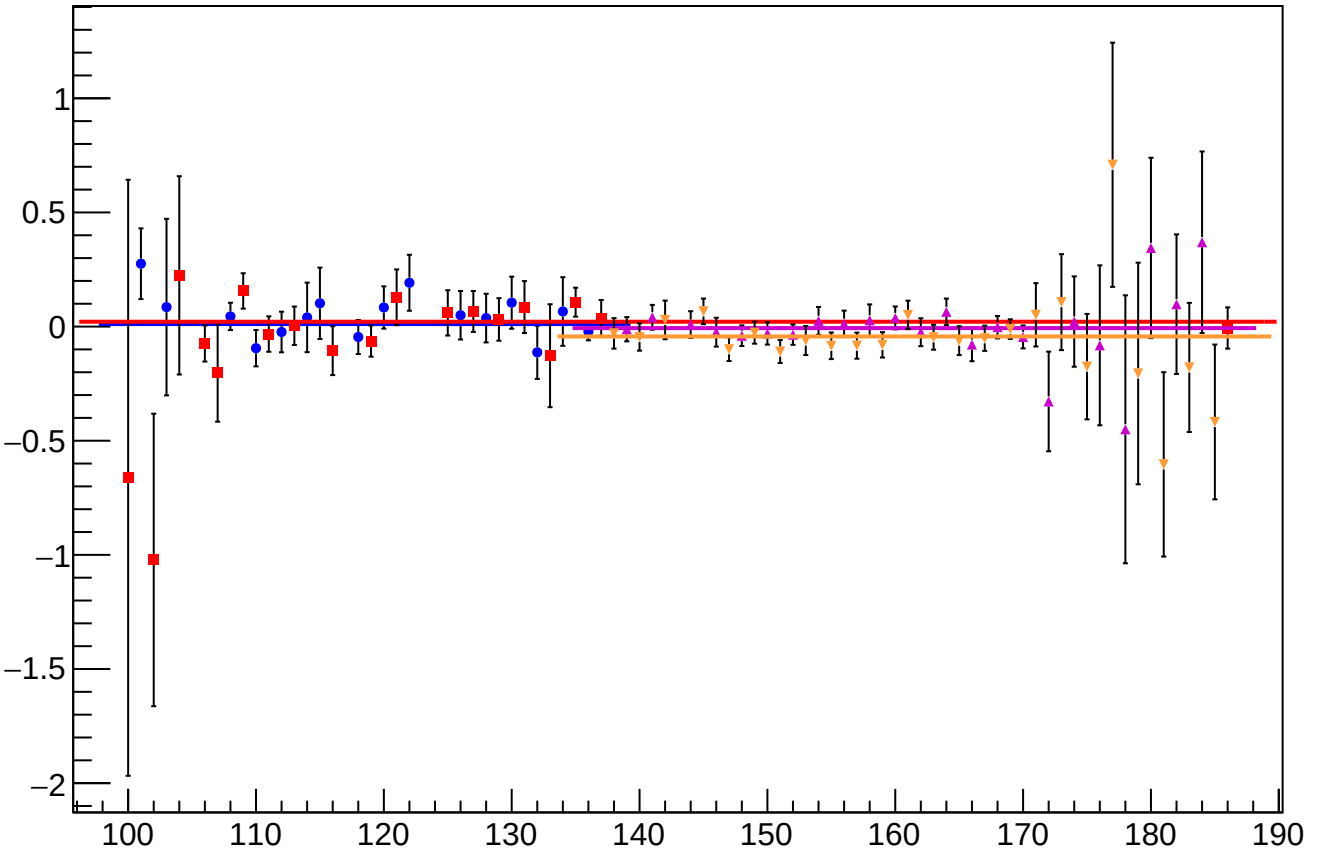
\+ sign 49.602+/-0.008 χ^2/NDF: 9522928.6/39

All: 49.513+/-0.006 χ^2/NDF: 18828820.5/81

\- sign 49.427+/-0.008 χ^2/NDF: 9305666.3/41


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 22.2/15
Left Out: 0.000+/-0.000 χ²/NDF:28.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 19.7/18
Left In: -0.000+/-0.000 χ²/NDF:25.3/22
+ sign 0.000+/-0.000 χ²/NDF: 53.1/39
All: 0.000+/-0.000 χ²/NDF: 99.2/81
- sign 0.000+/-0.000 χ²/NDF: 45.8/41


asym_us_dd_atlr_dd_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: 2745089.6/15
Left Out: 0.002+/-0.000 χ²/NDF:10262318.5/23
Right Out: 0.004+/-0.000 χ²/NDF: 3385143.2/18
Left In: 0.002+/-0.000 χ²/NDF:7141979.6/22
+ sign 0.002+/-0.000 χ²/NDF: 16485912.7/39
All: 0.002+/-0.000 χ²/NDF: 28933237.7/81
- sign 0.002+/-0.000 χ²/NDF: 12416198.0/41



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

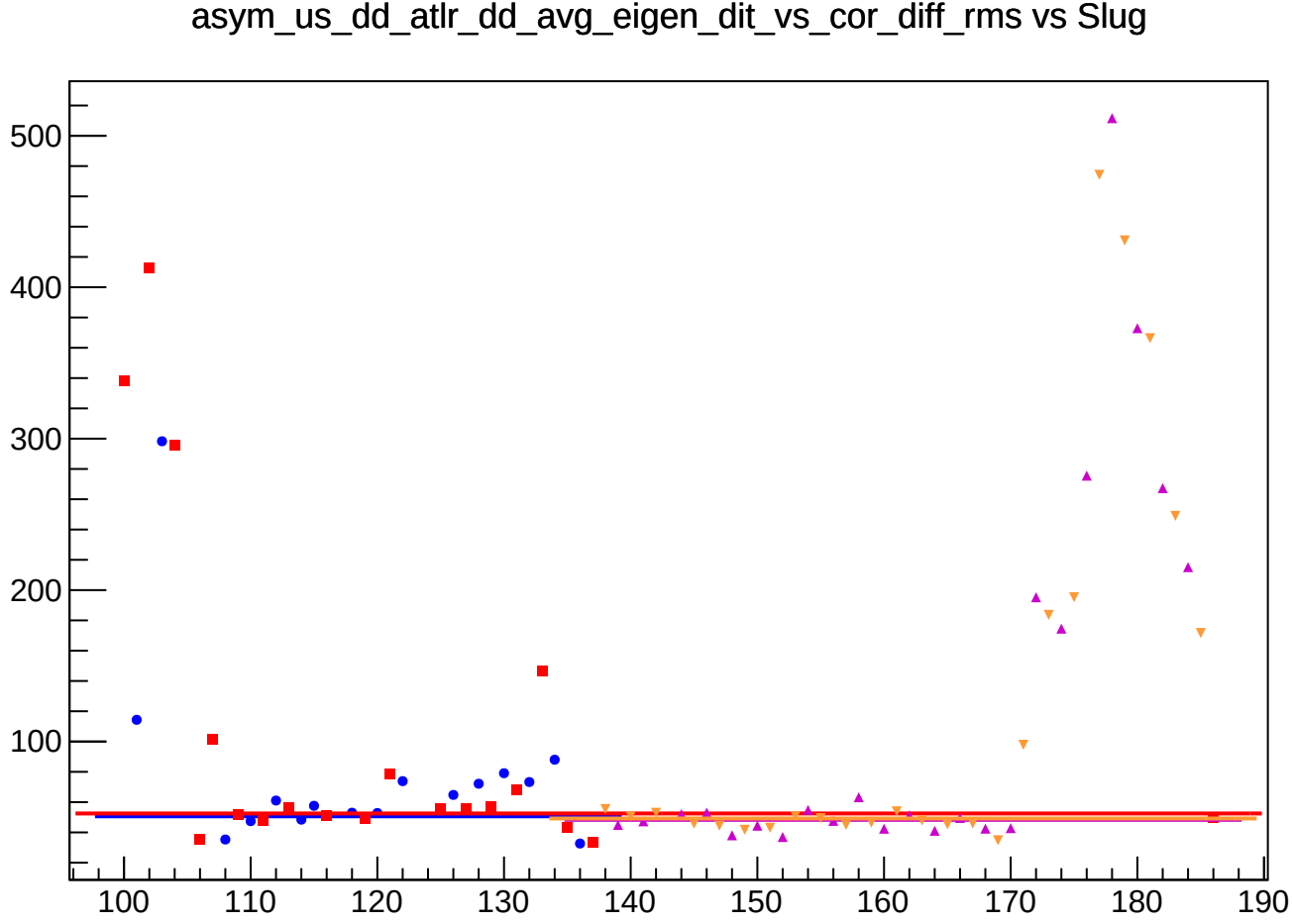
Right Out: 0.021+/-0.022 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.028+/-0.012 χ^2/NDF: 35.0/39

All: -0.013+/-0.008 χ^2/NDF: 66.4/81

- sign 0.001+/-0.012 χ^2/NDF: 28.5/41



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

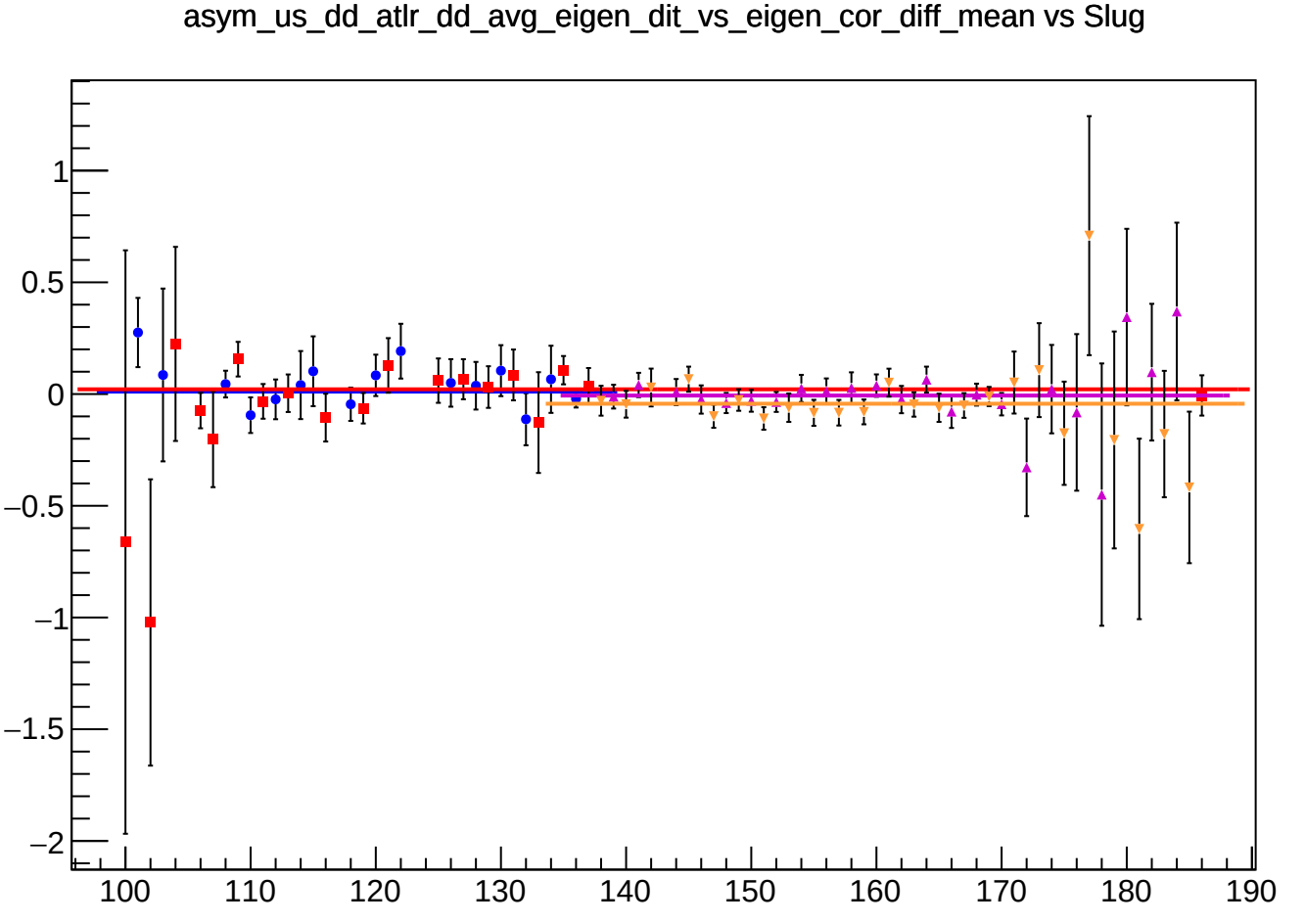
Right Out: 52.497+/-0.016 χ^2/NDF: 2213570.1/18

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 49.602+/-0.008 χ^2/NDF: 9522848.4/39

All: 49.513+/-0.006 χ^2/NDF: 18828556.6/81

- sign 49.427+/-0.008 χ^2/NDF: 9305483.7/41



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

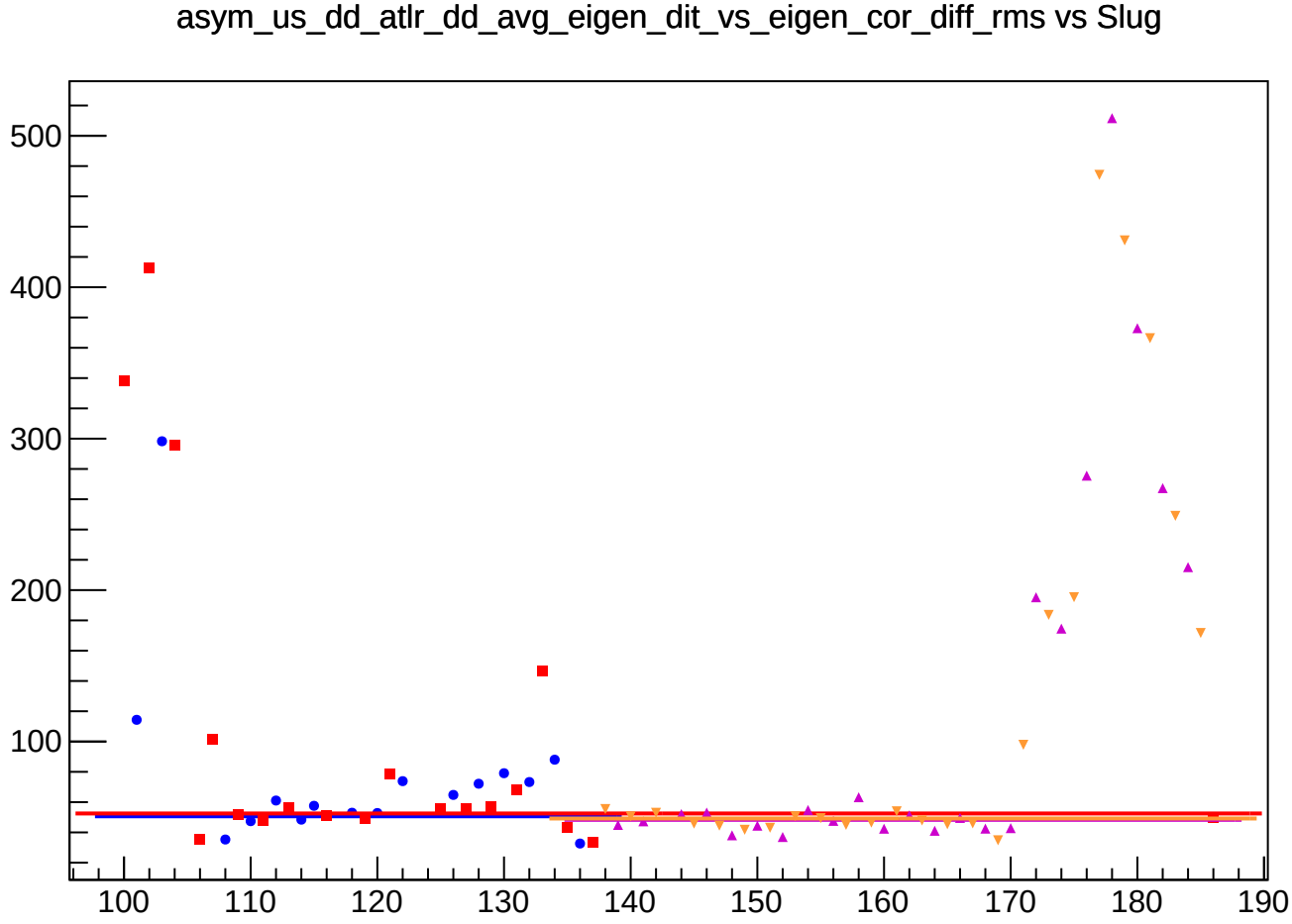
Right Out: 0.021+/-0.022 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.028+/-0.012 χ^2/NDF: 35.0/39

All: -0.013+/-0.008 χ^2/NDF: 66.4/81

- sign 0.001+/-0.012 χ^2/NDF: 28.5/41



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

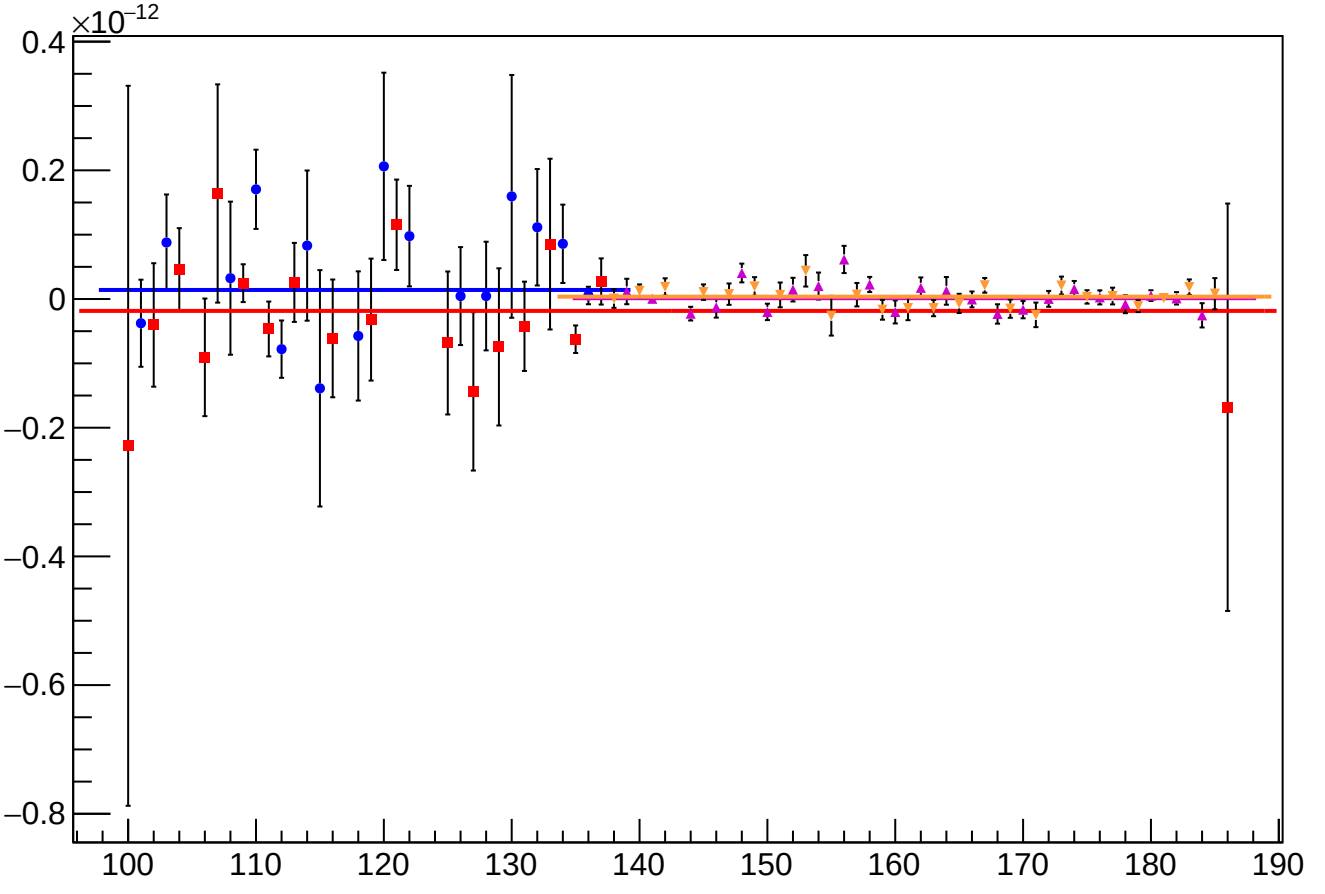
Right Out: 52.497+/-0.016 χ^2/NDF: 2213570.1/18

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 49.602+/-0.008 χ^2/NDF: 9522848.4/39

All: 49.513+/-0.006 χ^2/NDF: 18828556.6/81

\- sign 49.427+/-0.008 χ^2/NDF: 9305483.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

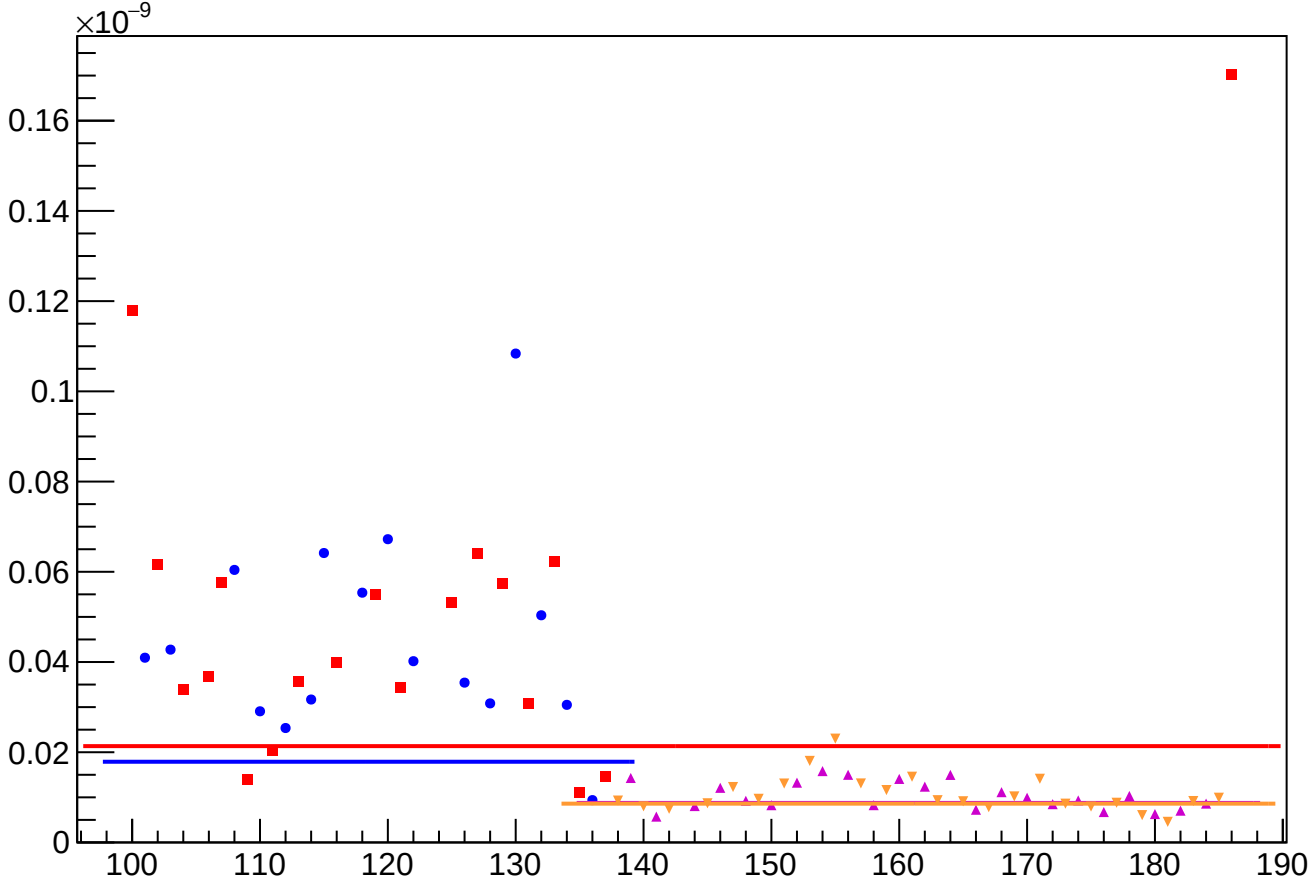
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/39

All: 0.000+/-0.000 χ^2/NDF: 107.4/81

- sign 0.000+/-0.000 χ^2/NDF: 60.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3064722.5/18

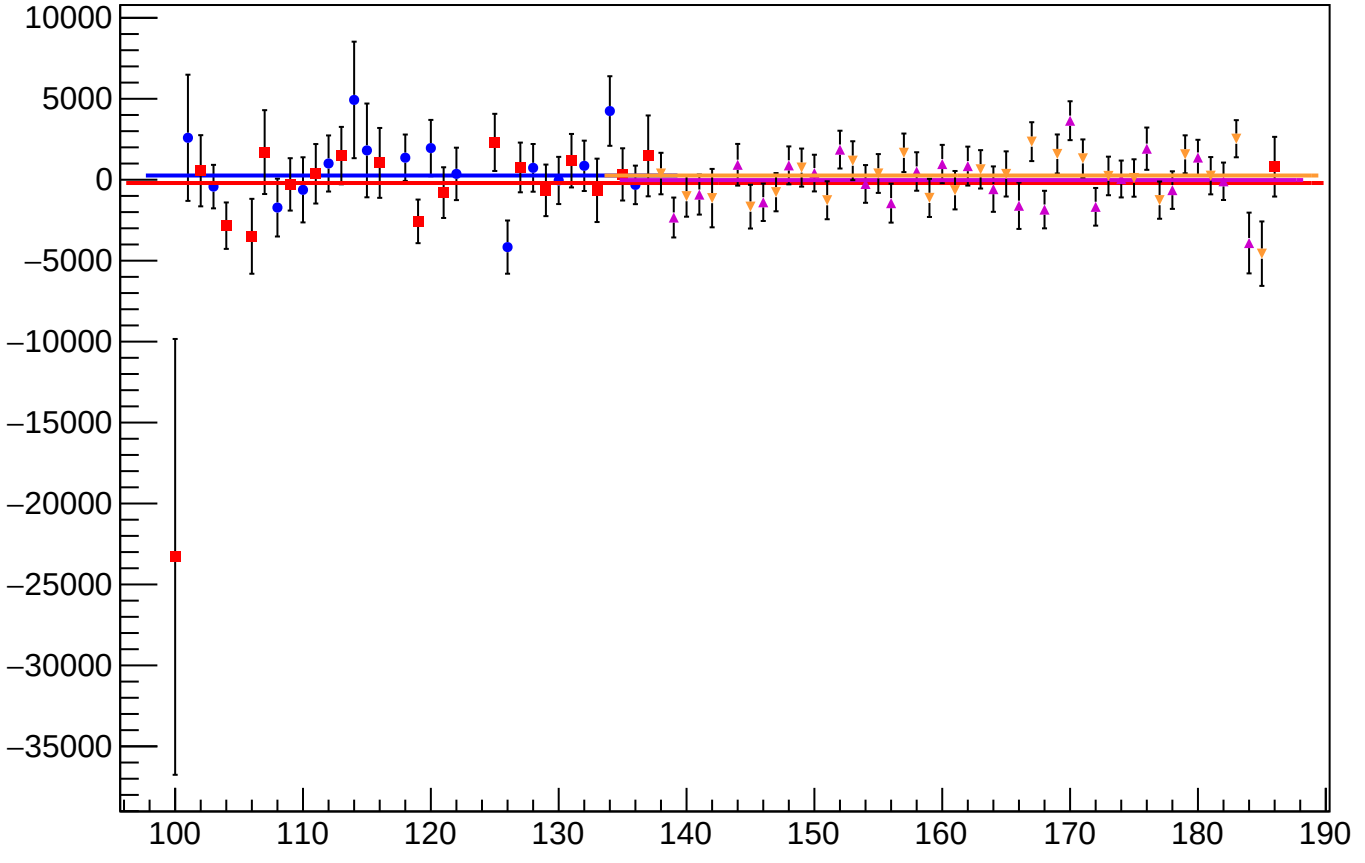
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7174272.5/39

All: 0.000+/-0.000 χ^2/NDF: 14133522.3/81

- sign 0.000+/-0.000 χ^2/NDF: 6951343.2/41

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -202.234+/-414.866 χ^2/NDF: 17.7/18

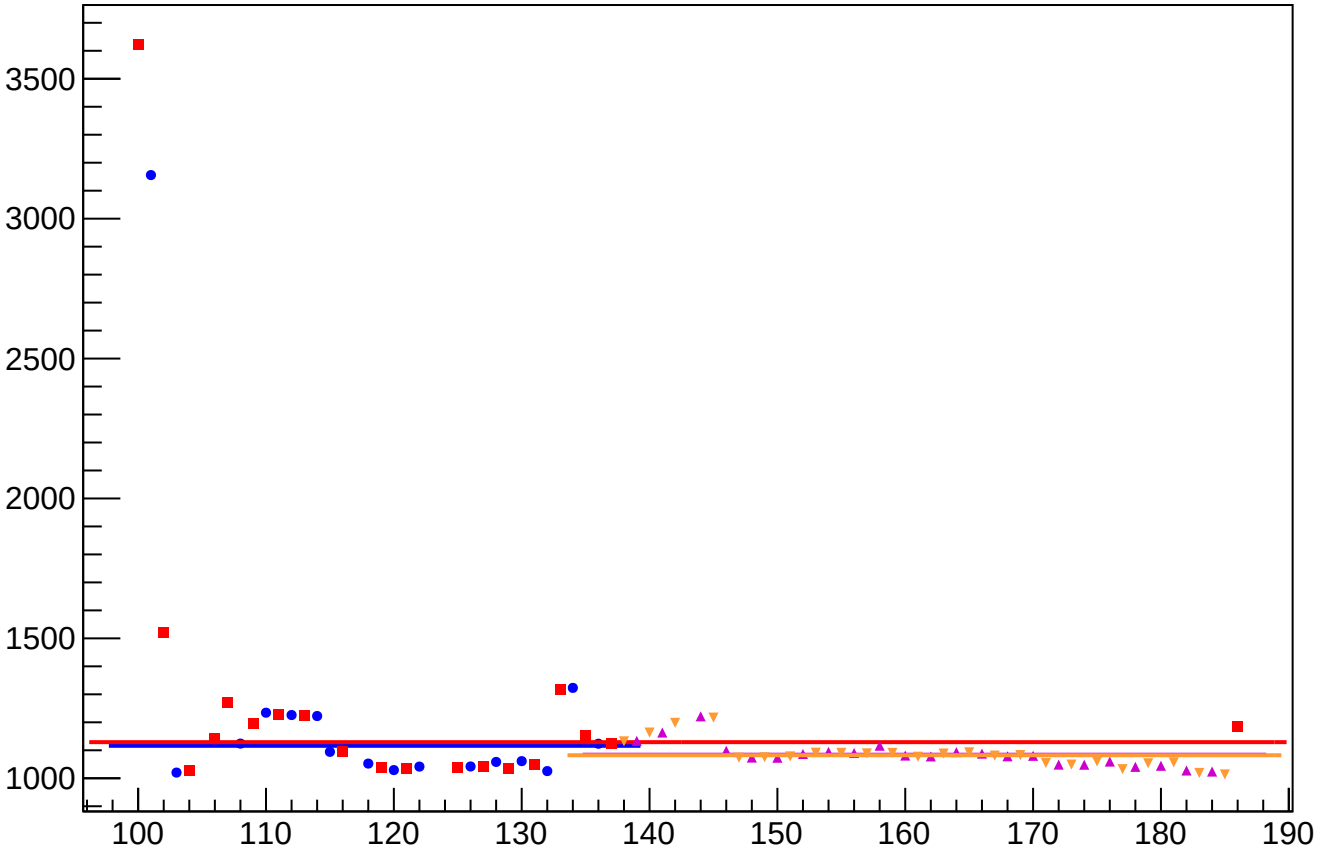
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 260.688+/-216.333 χ^2/NDF: 45.2/39

All: 94.639+/-152.927 χ^2/NDF: 100.0/81

- sign -71.220+/-216.209 χ^2/NDF: 53.6/41

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

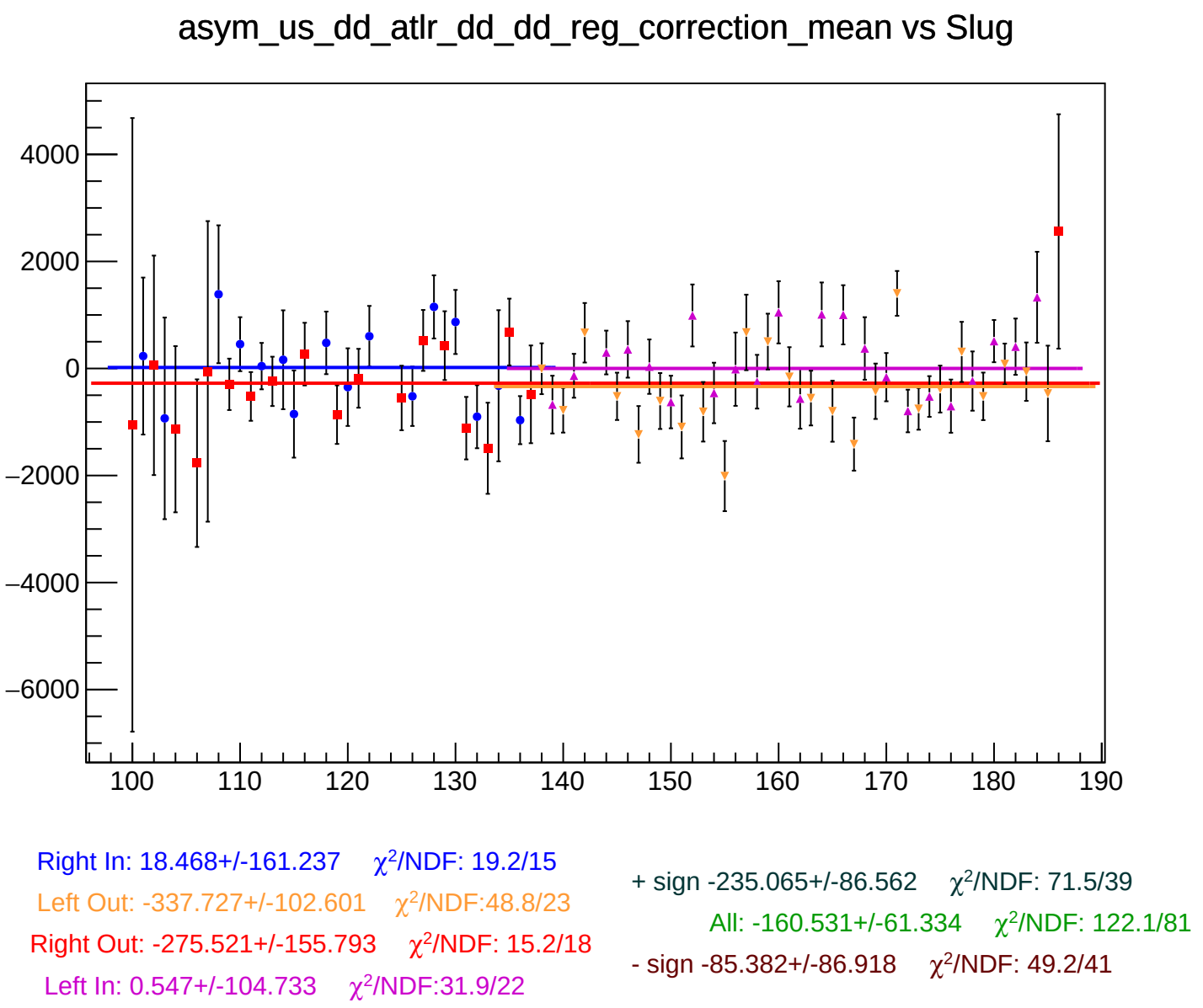
Right Out: 1129.058+/-0.293 χ^2/NDF: 224122.8/18

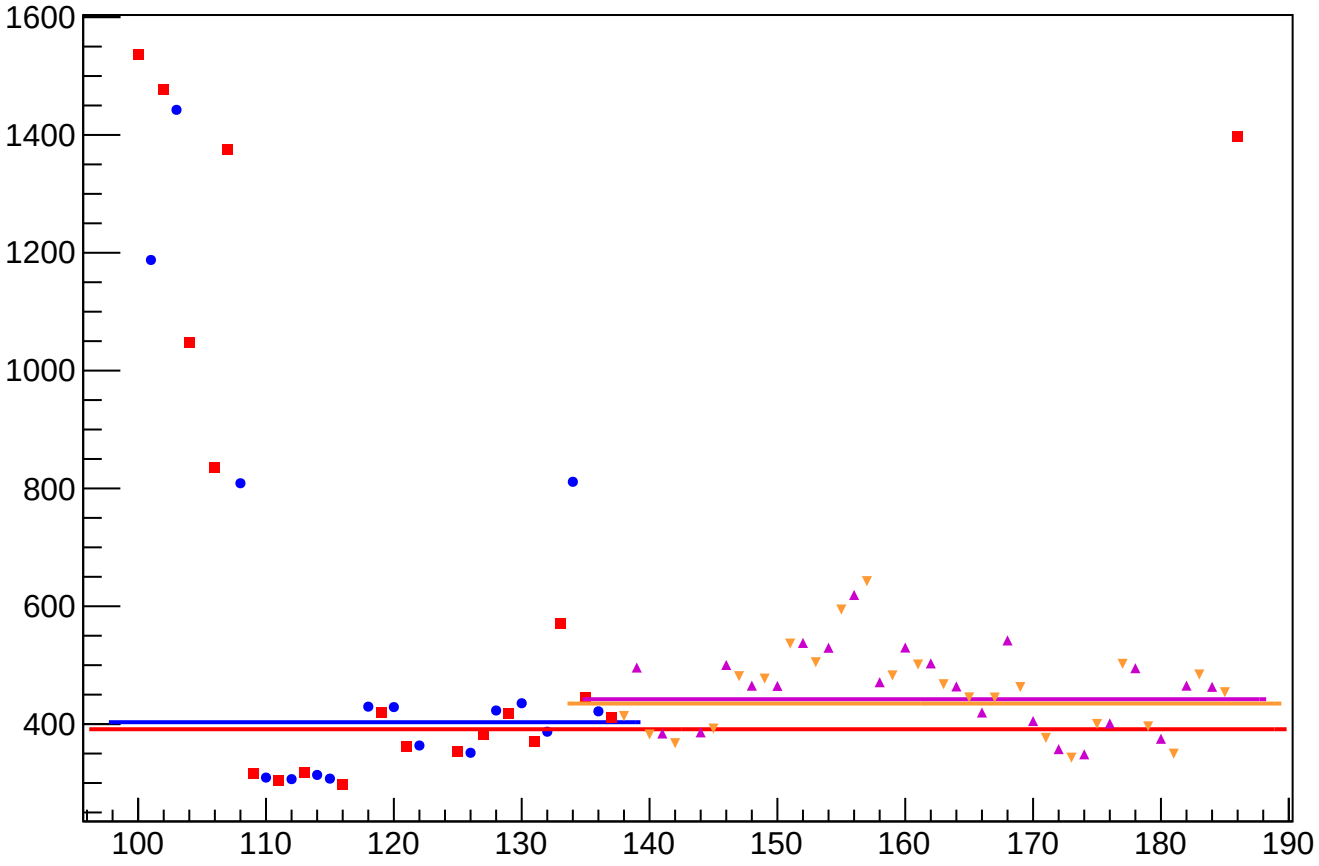
Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1091.075+/-0.153 χ^2/NDF: 690635.8/39

All: 1093.718+/-0.108 χ^2/NDF: 985852.0/81

- sign 1096.359+/-0.153 χ^2/NDF: 294619.3/41


asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
190
Right In: 18.468+/-161.237 χ²/NDF: 19.2/15
Left Out: -337.727+/-102.601 χ²/NDF:48.8/23
Right Out: -275.521+/-155.793 χ²/NDF: 15.2/18
Left In: 0.547+/-104.733 χ²/NDF:31.9/22
+ sign -235.065+/-86.562 χ²/NDF: 71.5/39
All: -160.531+/-61.334 χ²/NDF: 122.1/81
- sign -85.382+/-86.918 χ²/NDF: 49.2/41



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 391.266+/-0.110 χ^2/NDF: 2183701.3/18

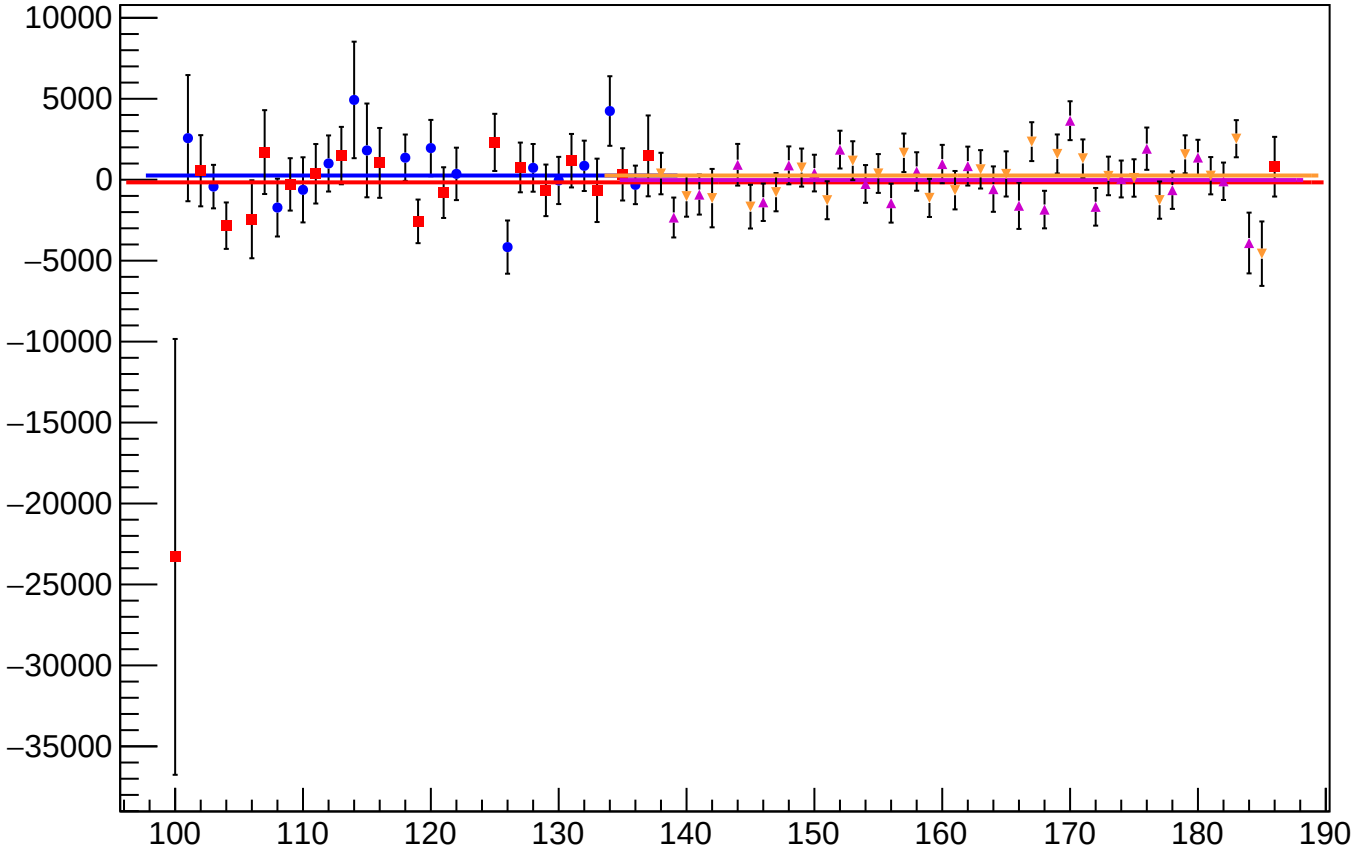
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 425.732+/-0.061 χ^2/NDF: 2741750.5/39

All: 426.041+/-0.043 χ^2/NDF: 5898758.2/81

- sign 426.352+/-0.061 χ^2/NDF: 3156956.6/41

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -162.776+/-415.381 χ^2/NDF: 16.5/18

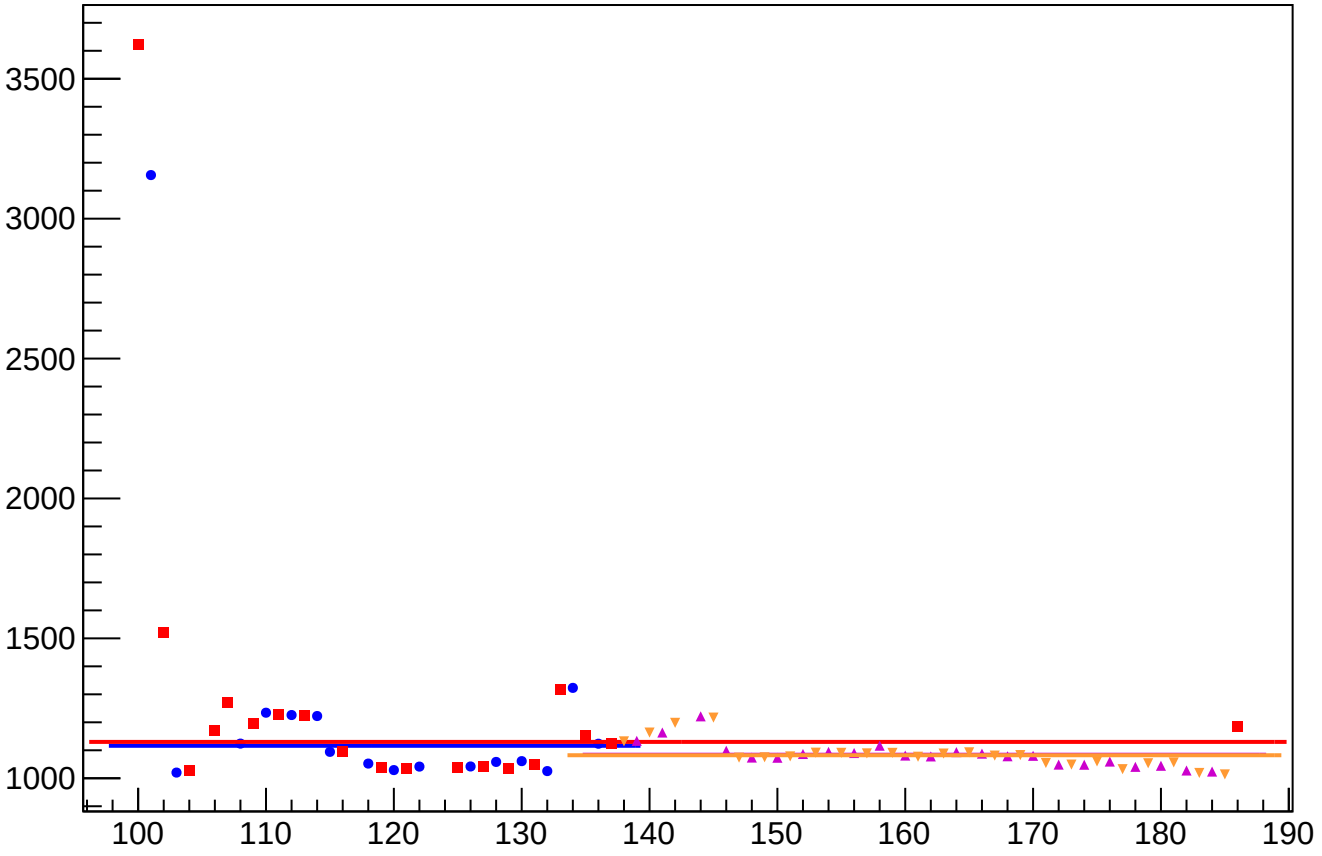
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 260.581+/-216.333 χ^2/NDF: 45.2/39

All: 100.038+/-152.953 χ^2/NDF: 98.7/81

- sign -60.430+/-216.282 χ^2/NDF: 52.4/41

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

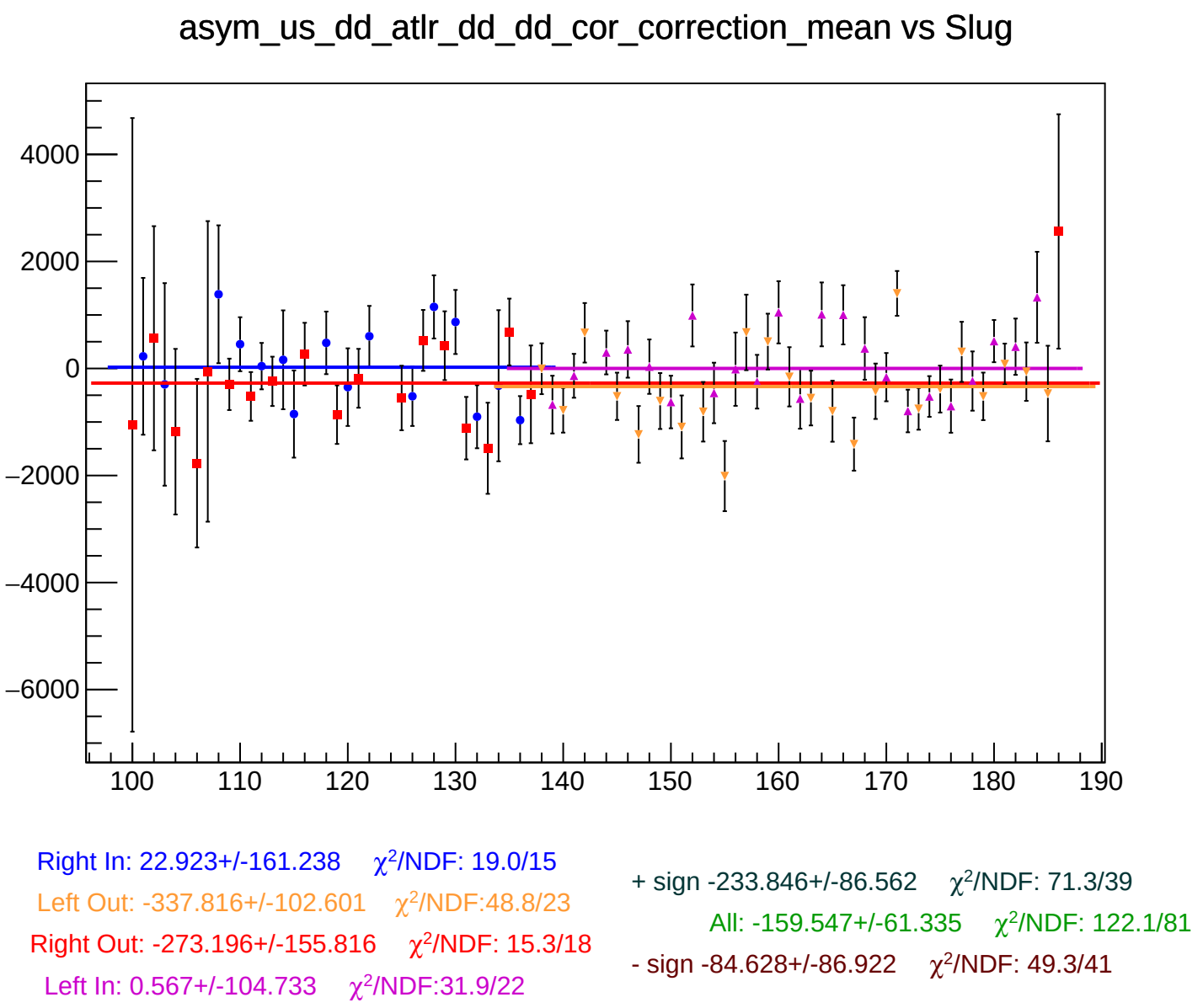
Right Out: 1129.962+/-0.294 χ^2/NDF: 224693.8/18

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

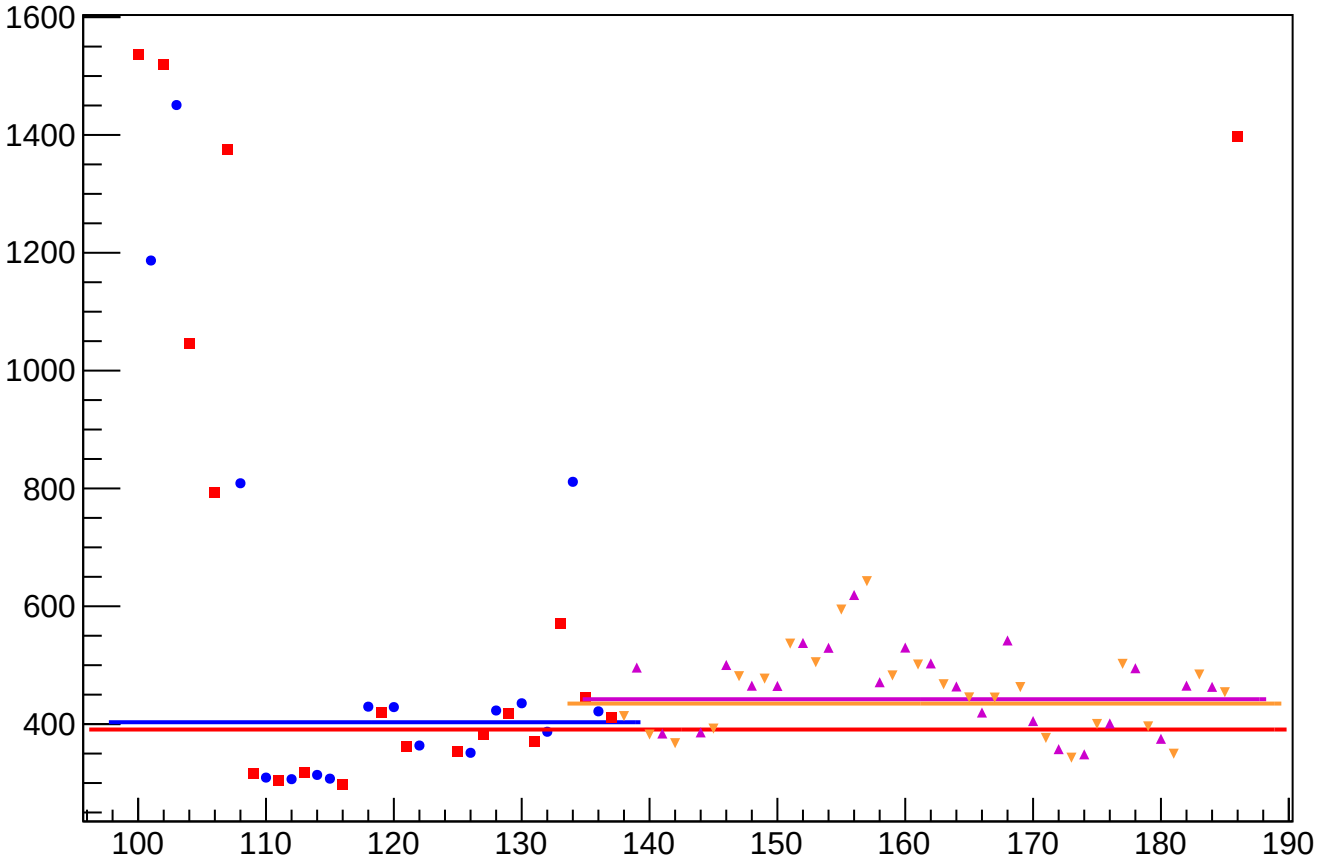
+ sign 1091.075+/-0.153 χ^2/NDF: 690636.6/39

All: 1093.829+/-0.108 χ^2/NDF: 987137.2/81

- sign 1096.582+/-0.153 χ^2/NDF: 295852.3/41


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
190
Right In: 22.923+/-161.238 χ²/NDF: 19.0/15
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: -273.196+/-155.816 χ²/NDF: 15.3/18
Left In: 0.567+/-104.733 χ²/NDF:31.9/22
+ sign -233.846+/-86.562 χ²/NDF: 71.3/39
All: -159.547+/-61.335 χ²/NDF: 122.1/81
- sign -84.628+/-86.922 χ²/NDF: 49.3/41

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 390.805+/-0.110 χ^2/NDF: 2172126.0/18

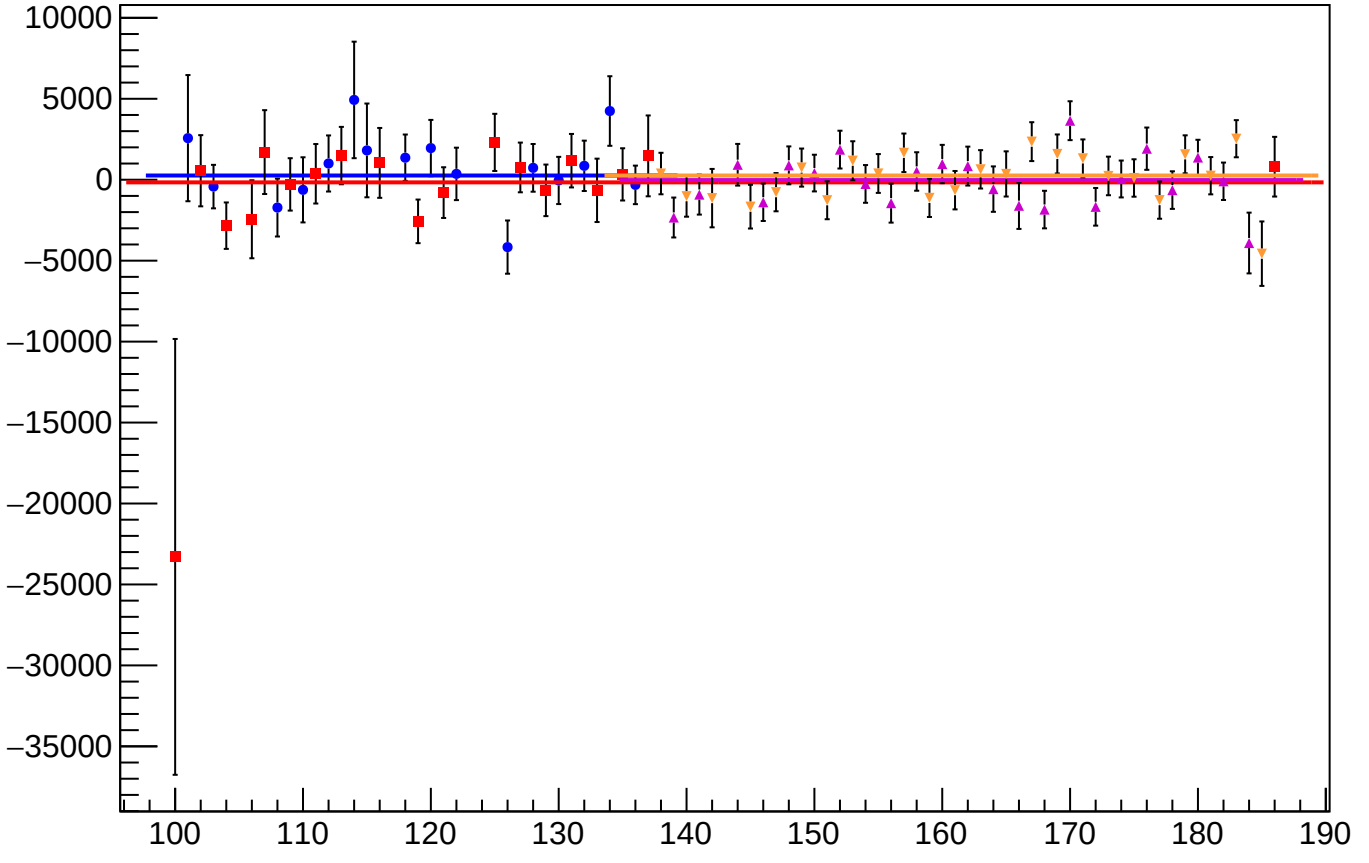
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 425.727+/-0.061 χ^2/NDF: 2745552.2/39

All: 425.969+/-0.043 χ^2/NDF: 5893488.7/81

- sign 426.213+/-0.061 χ^2/NDF: 3147905.2/41

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -162.776+/-415.381 χ^2/NDF: 16.5/18

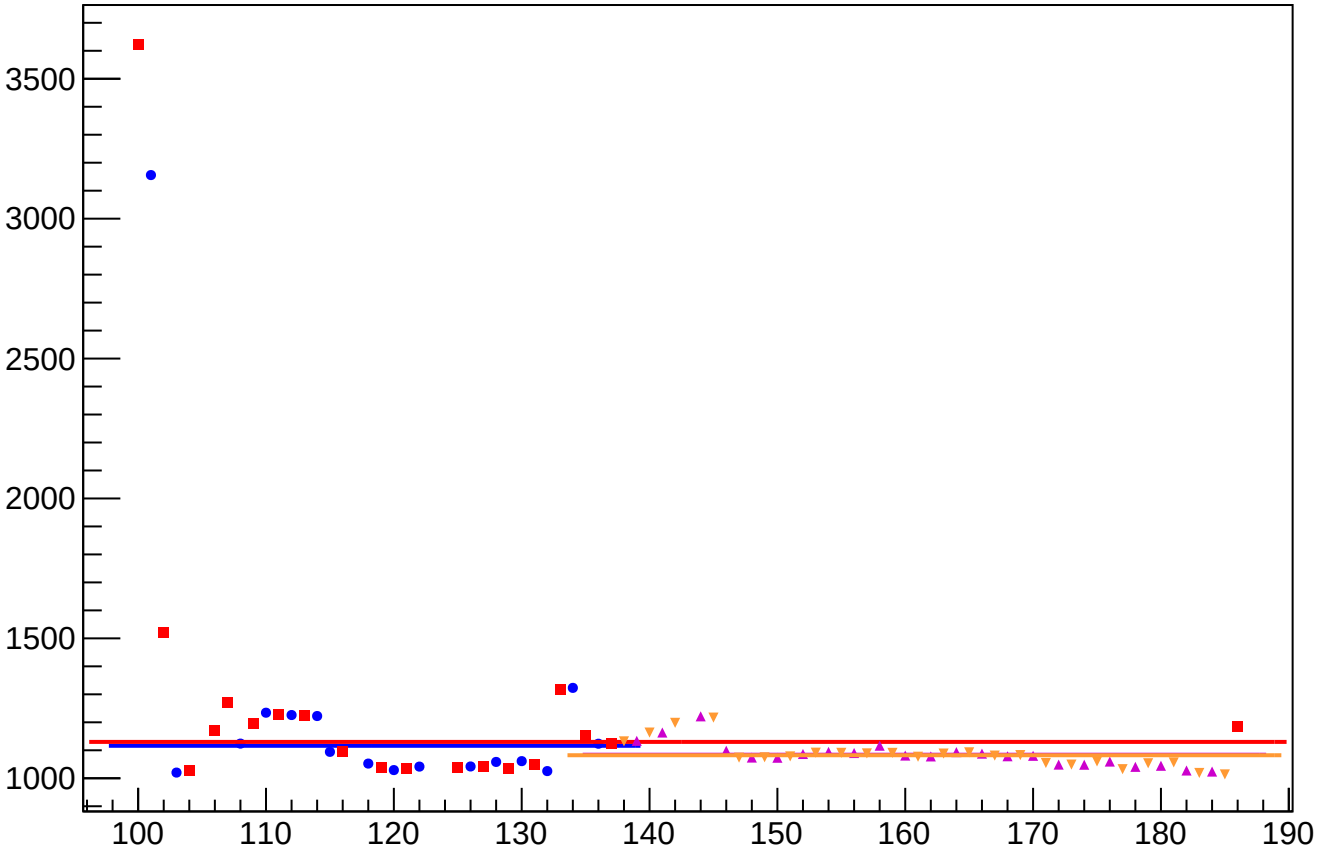
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 260.581+/-216.333 χ^2/NDF: 45.2/39

All: 100.038+/-152.953 χ^2/NDF: 98.7/81

- sign -60.430+/-216.282 χ^2/NDF: 52.4/41

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

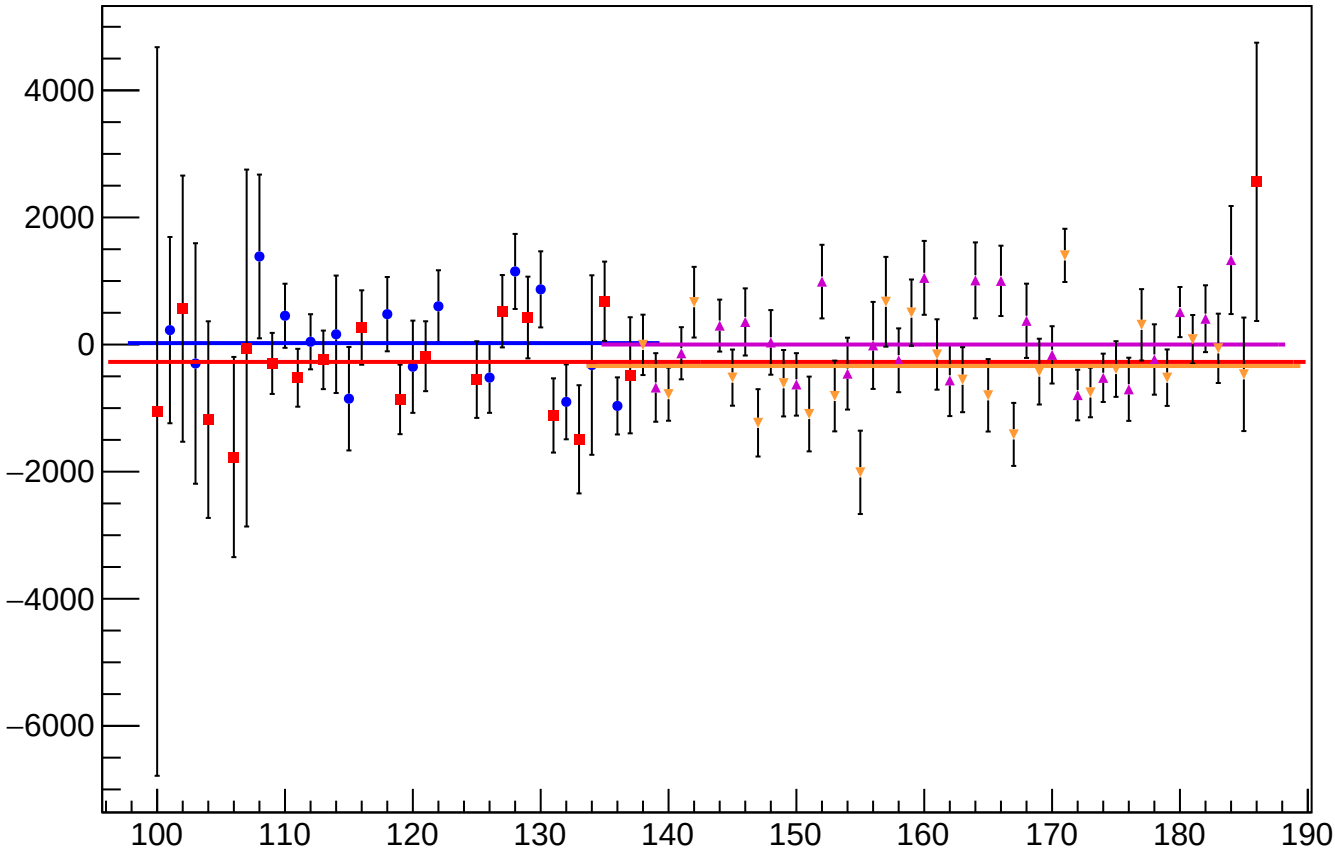
Right Out: 1129.962+/-0.294 χ^2/NDF: 224693.8/18

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1091.075+/-0.153 χ^2/NDF: 690636.6/39

All: 1093.829+/-0.108 χ^2/NDF: 987137.2/81

- sign 1096.582+/-0.153 χ^2/NDF: 295852.3/41



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

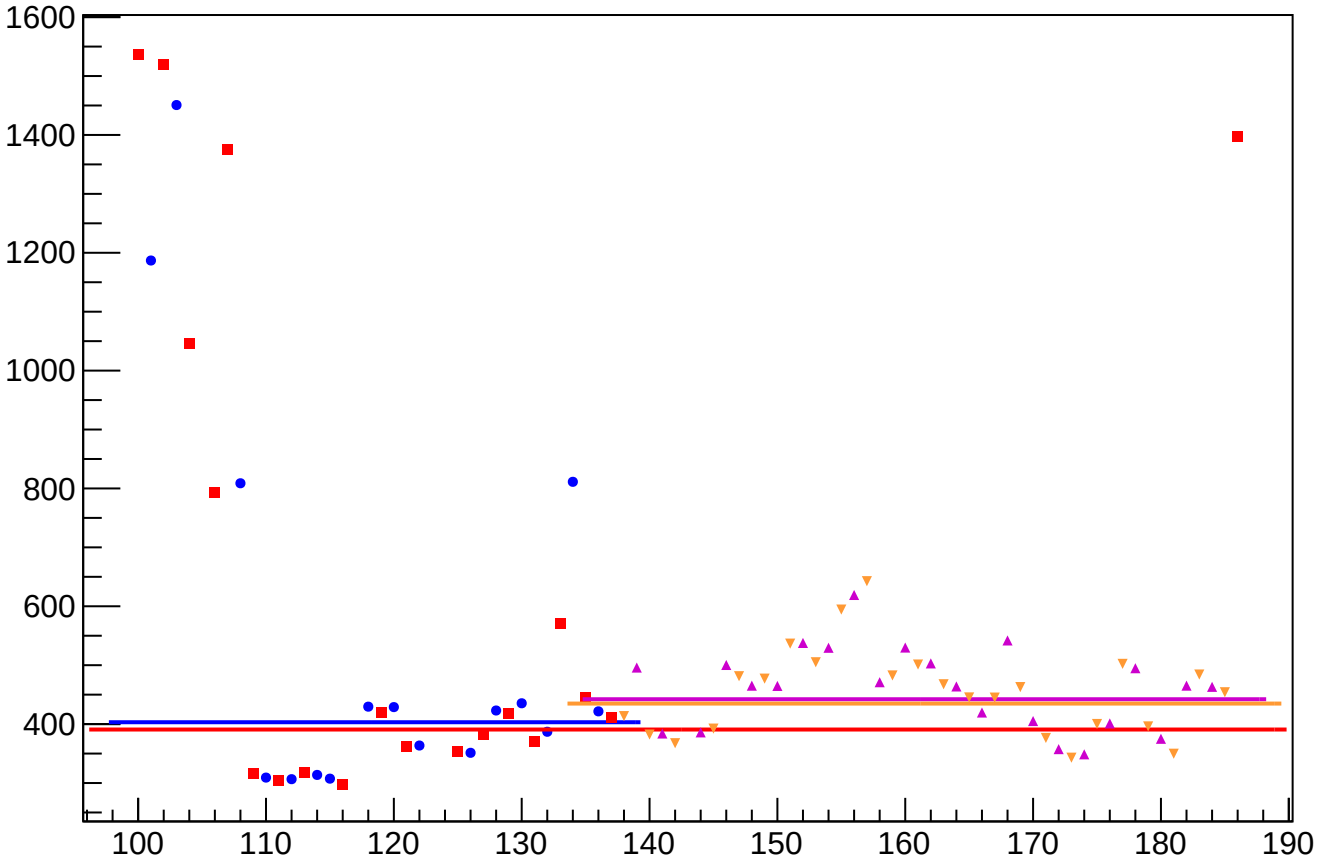
Right Out: -273.196+/-155.816 χ^2/NDF: 15.3/18

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

\+ sign -233.846+/-86.562 χ^2/NDF: 71.3/39

All: -159.547+/-61.335 χ^2/NDF: 122.1/81

\- sign -84.628+/-86.922 χ^2/NDF: 49.3/41



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 390.805+/-0.110 χ^2/NDF: 2172126.0/18

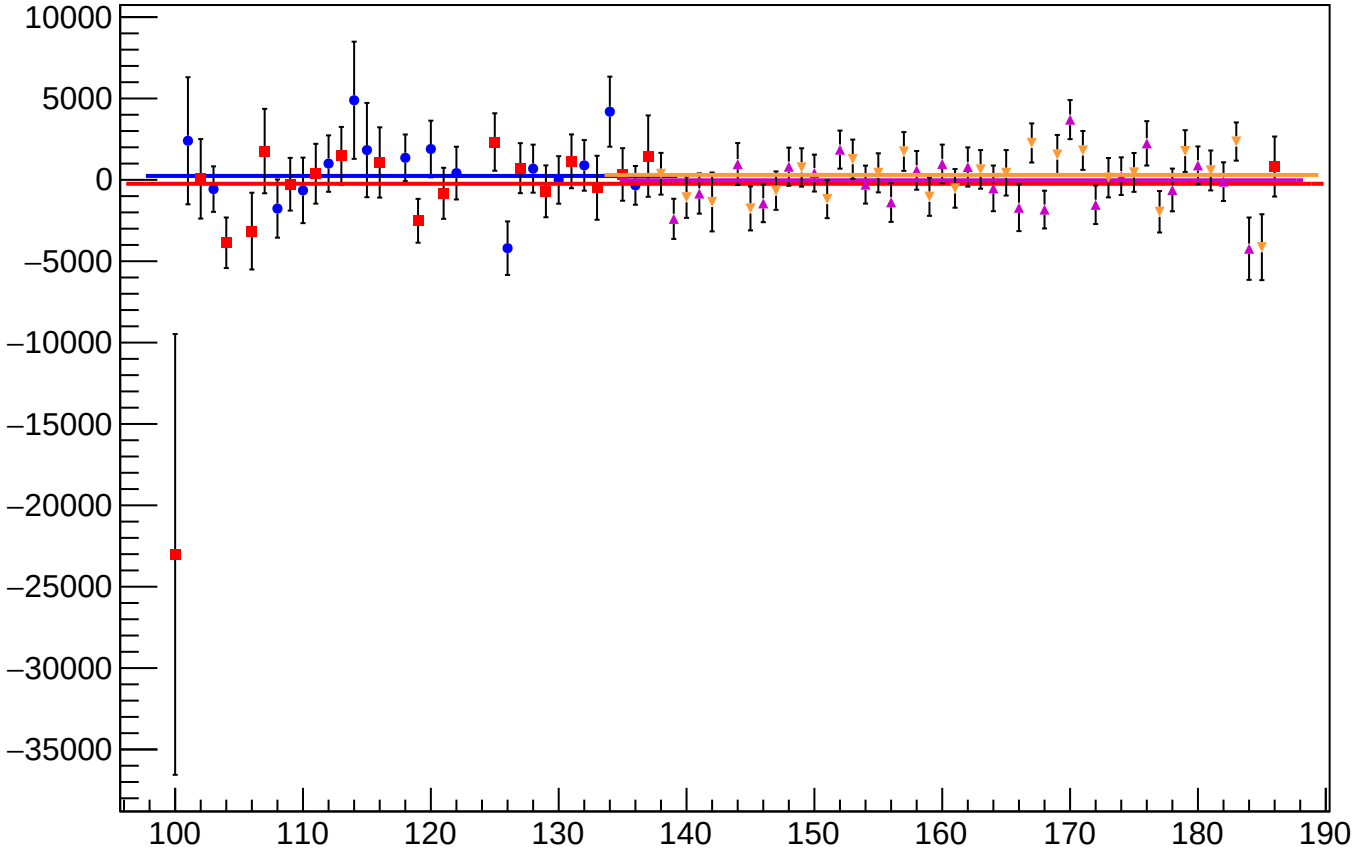
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

\+ sign 425.727+/-0.061 χ^2/NDF: 2745552.2/39

All: 425.969+/-0.043 χ^2/NDF: 5893488.7/81

\- sign 426.213+/-0.061 χ^2/NDF: 3147905.2/41

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -241.148+/-419.479 χ^2/NDF: 19.0/18

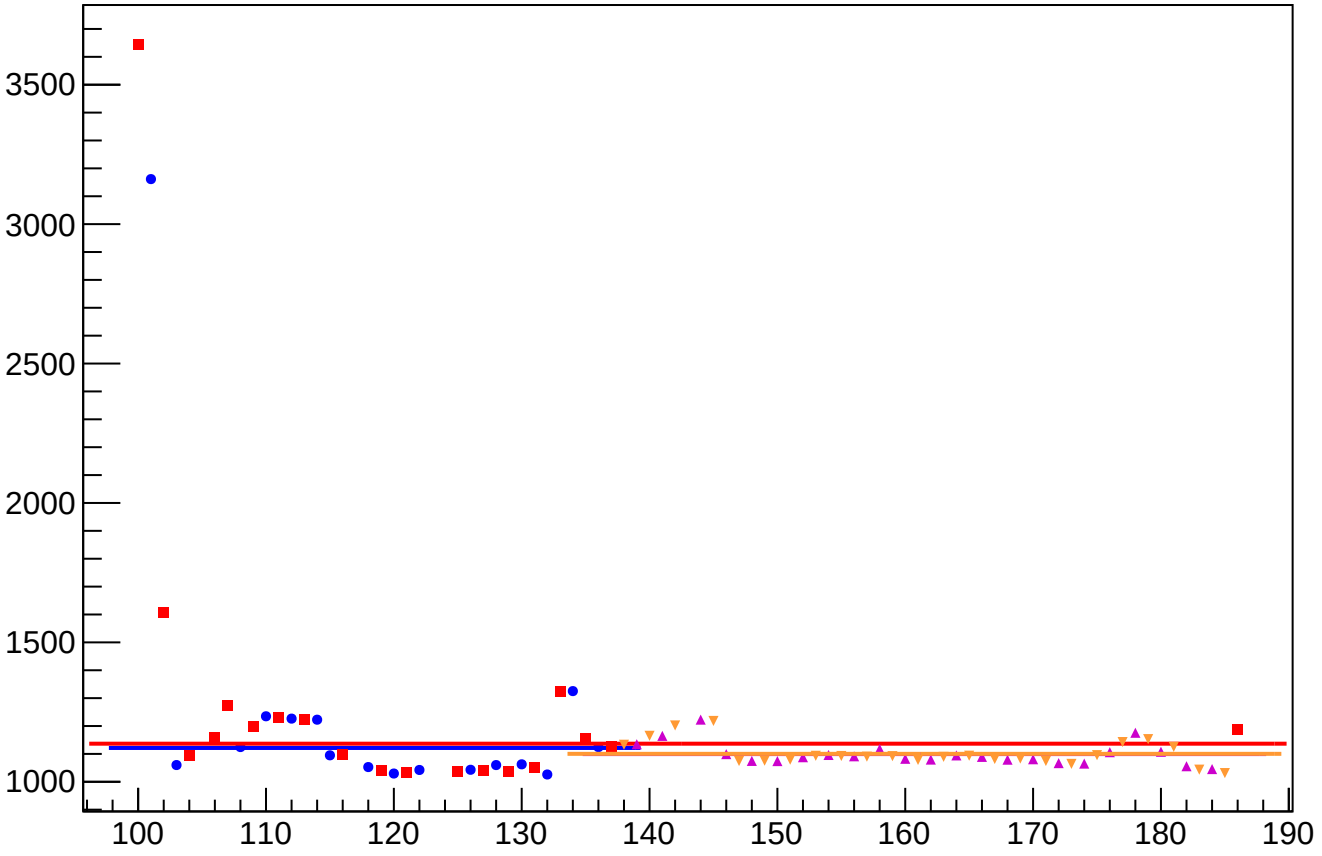
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 286.877+/-219.228 χ^2/NDF: 45.4/39

All: 101.207+/-154.958 χ^2/NDF: 102.0/81

- sign -84.177+/-219.059 χ^2/NDF: 55.1/41

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

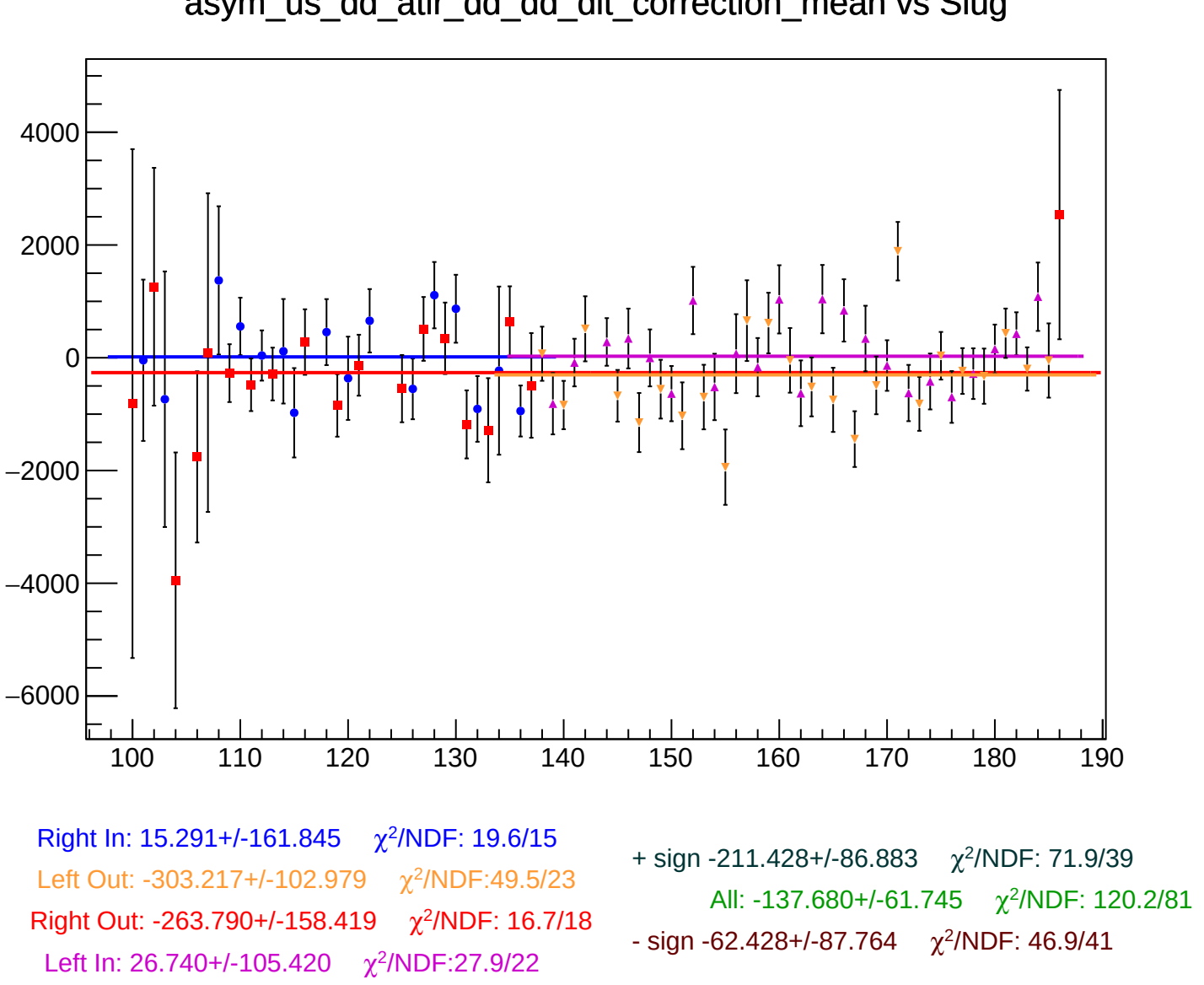
Right Out: 1136.653+/-0.297 χ^2/NDF: 229002.7/18

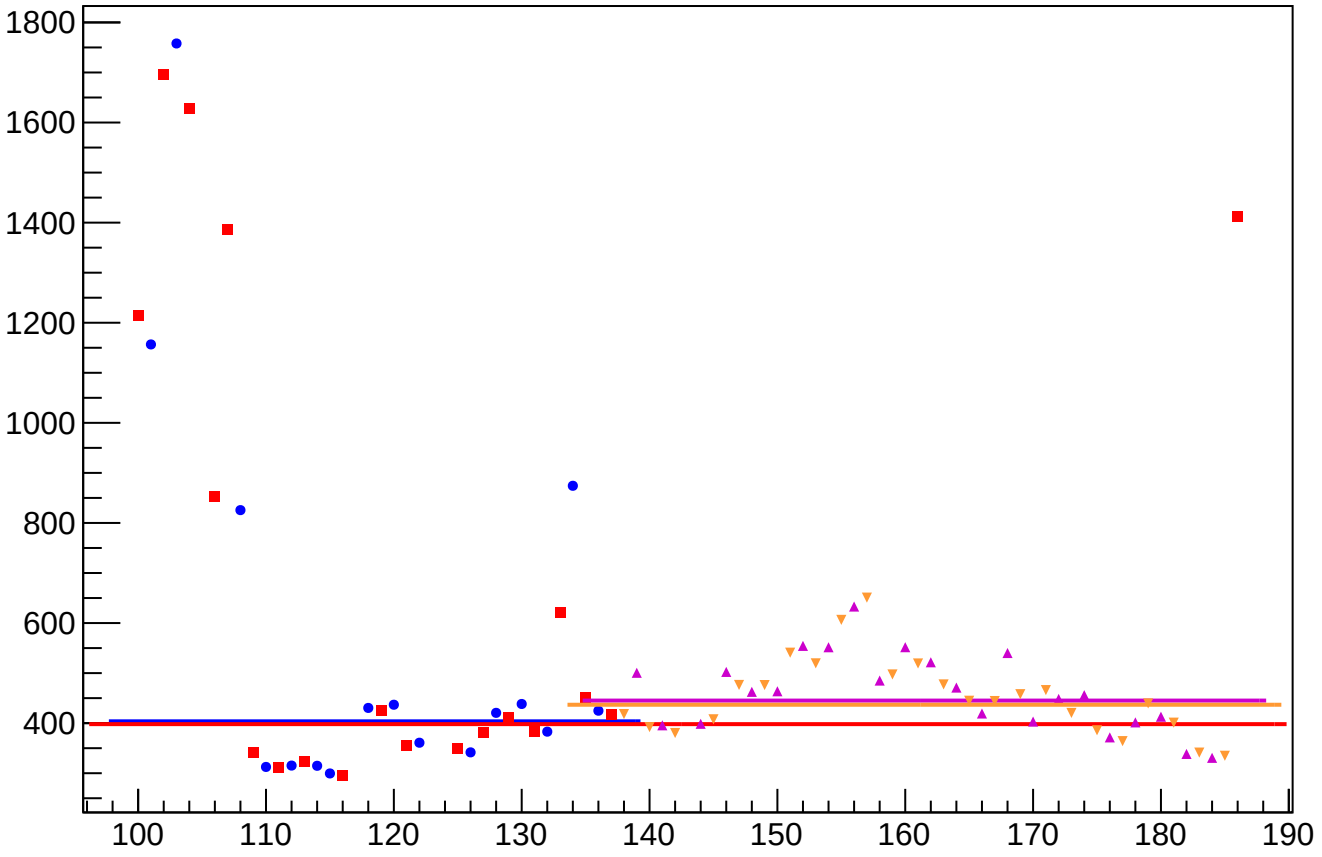
Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

\+ sign 1105.814+/-0.155 χ^2/NDF: 669381.4/39

All: 1107.667+/-0.110 χ^2/NDF: 954962.9/81

\- sign 1109.517+/-0.155 χ^2/NDF: 285295.9/41


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
190
Right In: 15.291+/-161.845 χ²/NDF: 19.6/15
Left Out: -303.217+/-102.979 χ²/NDF:49.5/23
Right Out: -263.790+/-158.419 χ²/NDF: 16.7/18
Left In: 26.740+/-105.420 χ²/NDF:27.9/22
+ sign -211.428+/-86.883 χ²/NDF: 71.9/39
All: -137.680+/-61.745 χ²/NDF: 120.2/81
- sign -62.428+/-87.764 χ²/NDF: 46.9/41



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 398.050+/-0.112 χ^2/NDF: 2625795.2/18

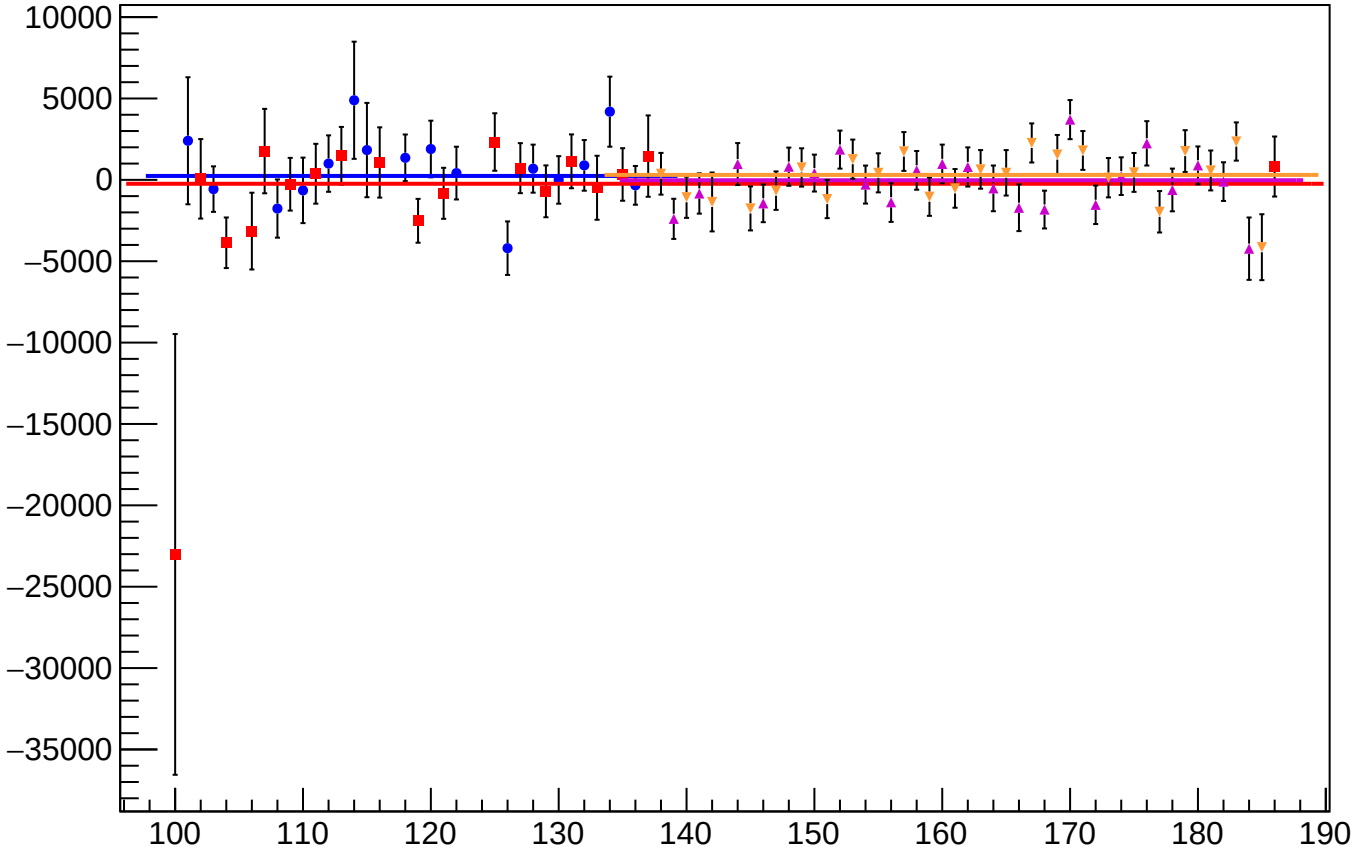
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

\+ sign 427.239+/-0.061 χ^2/NDF: 2844462.4/39

All: 428.935+/-0.044 χ^2/NDF: 6468649.3/81

\- sign 430.666+/-0.062 χ^2/NDF: 3622647.3/41

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -241.149+/-419.479 χ^2/NDF: 19.0/18

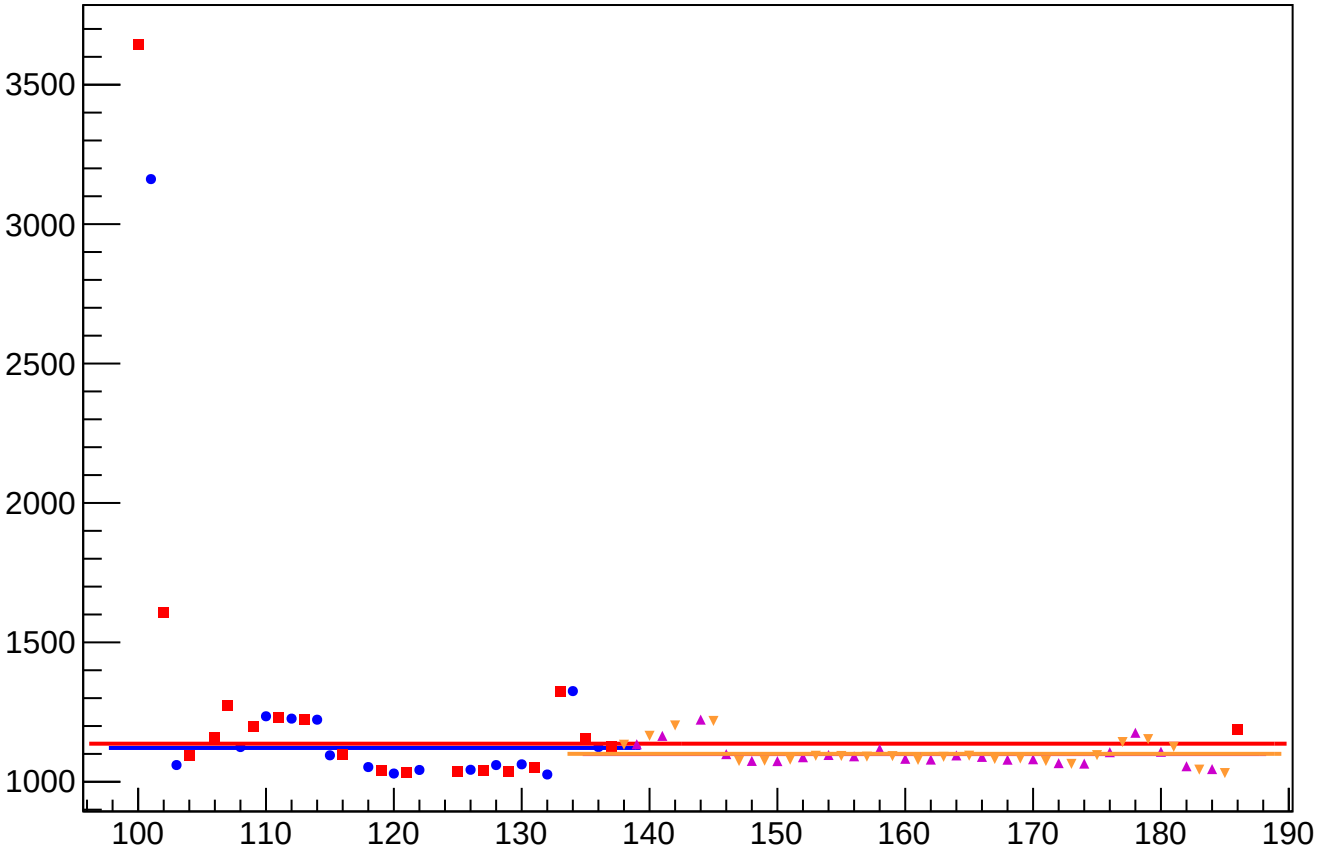
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 286.876+/-219.228 χ^2/NDF: 45.4/39

All: 101.206+/-154.958 χ^2/NDF: 102.0/81

- sign -84.178+/-219.059 χ^2/NDF: 55.1/41

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

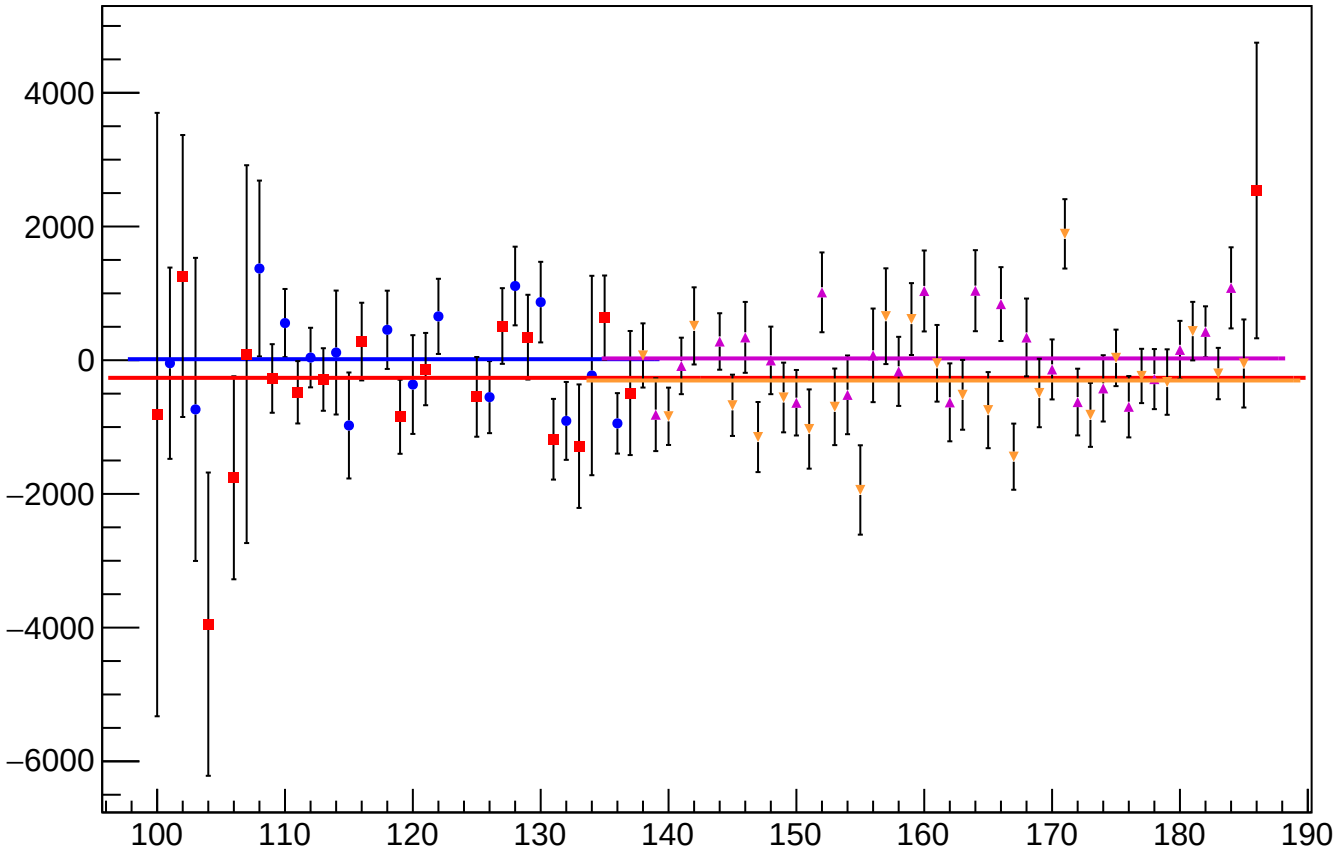
Right Out: 1136.653+/-0.297 χ^2/NDF: 229002.8/18

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

\+ sign 1105.814+/-0.155 χ^2/NDF: 669381.6/39

All: 1107.667+/-0.110 χ^2/NDF: 954963.3/81

\- sign 1109.517+/-0.155 χ^2/NDF: 285296.1/41



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

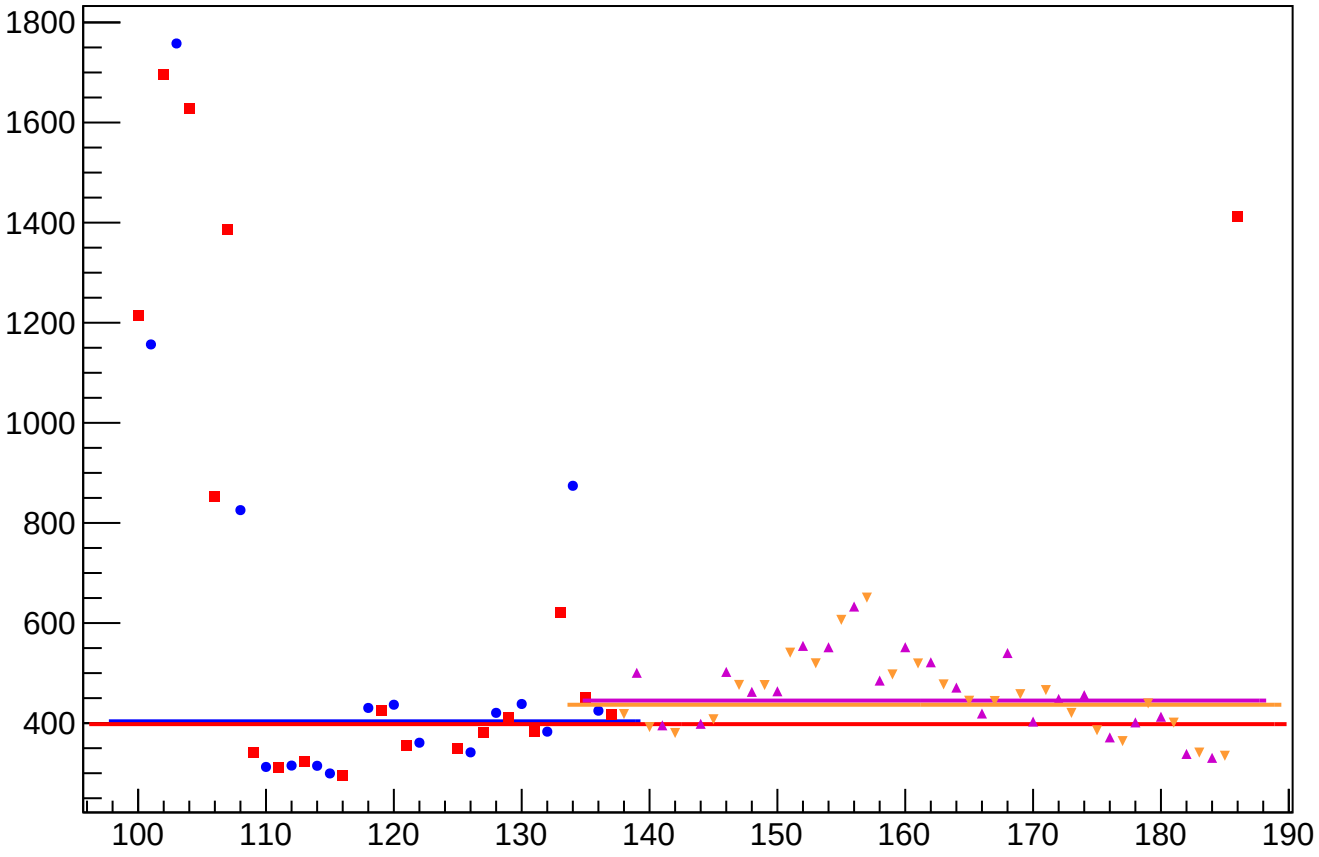
Right Out: -263.788+/-158.418 χ^2/NDF: 16.7/18

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -211.429+/-86.883 χ^2/NDF: 71.9/39

All: -137.681+/-61.745 χ^2/NDF: 120.2/81

- sign -62.429+/-87.764 χ^2/NDF: 46.9/41



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 398.046+/-0.112 χ^2/NDF: 2625803.1/18

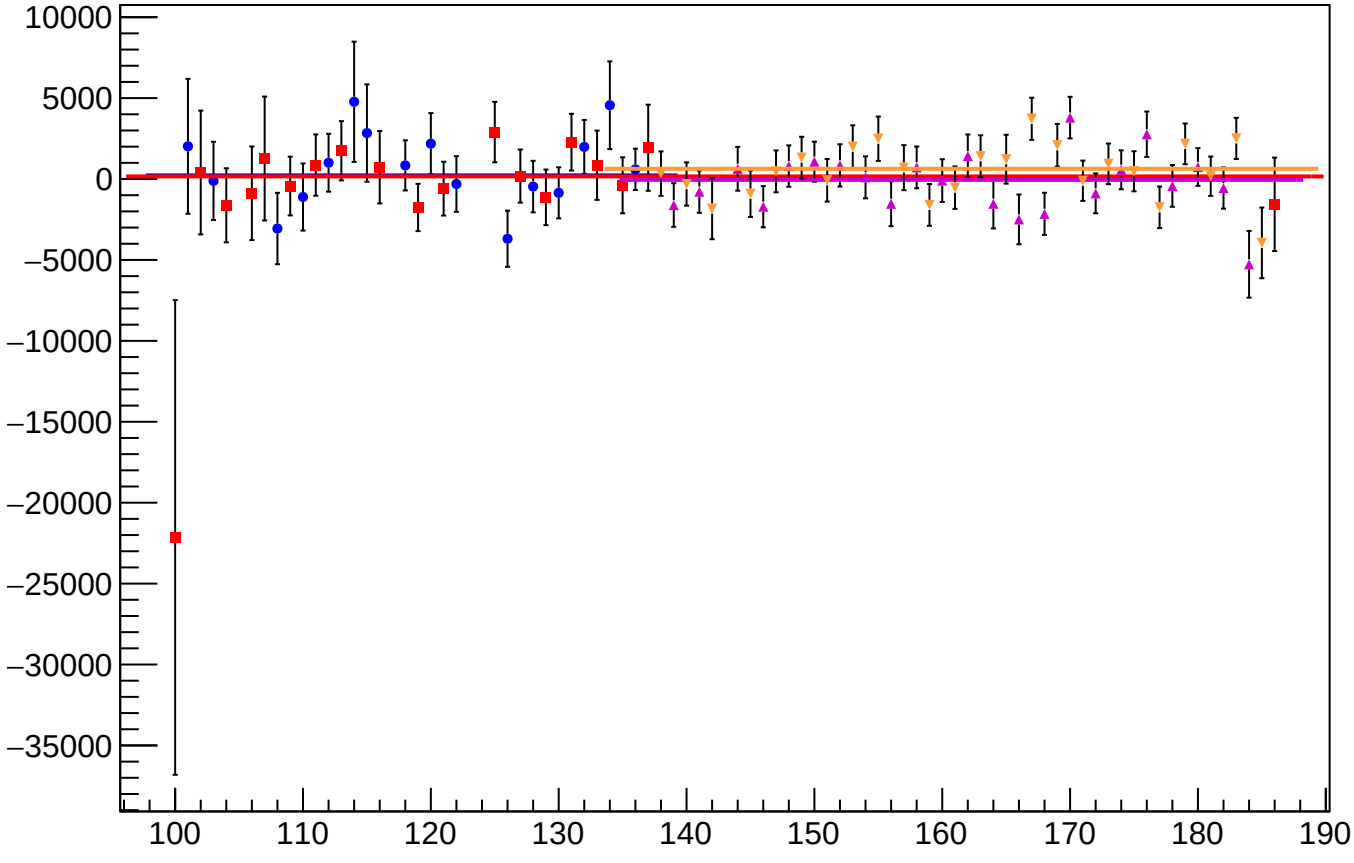
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

\+ sign 427.238+/-0.061 χ^2/NDF: 2844499.6/39

All: 428.934+/-0.044 χ^2/NDF: 6468744.3/81

\- sign 430.664+/-0.062 χ^2/NDF: 3622705.2/41

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 162.413+/-471.397 χ^2/NDF: 11.3/18

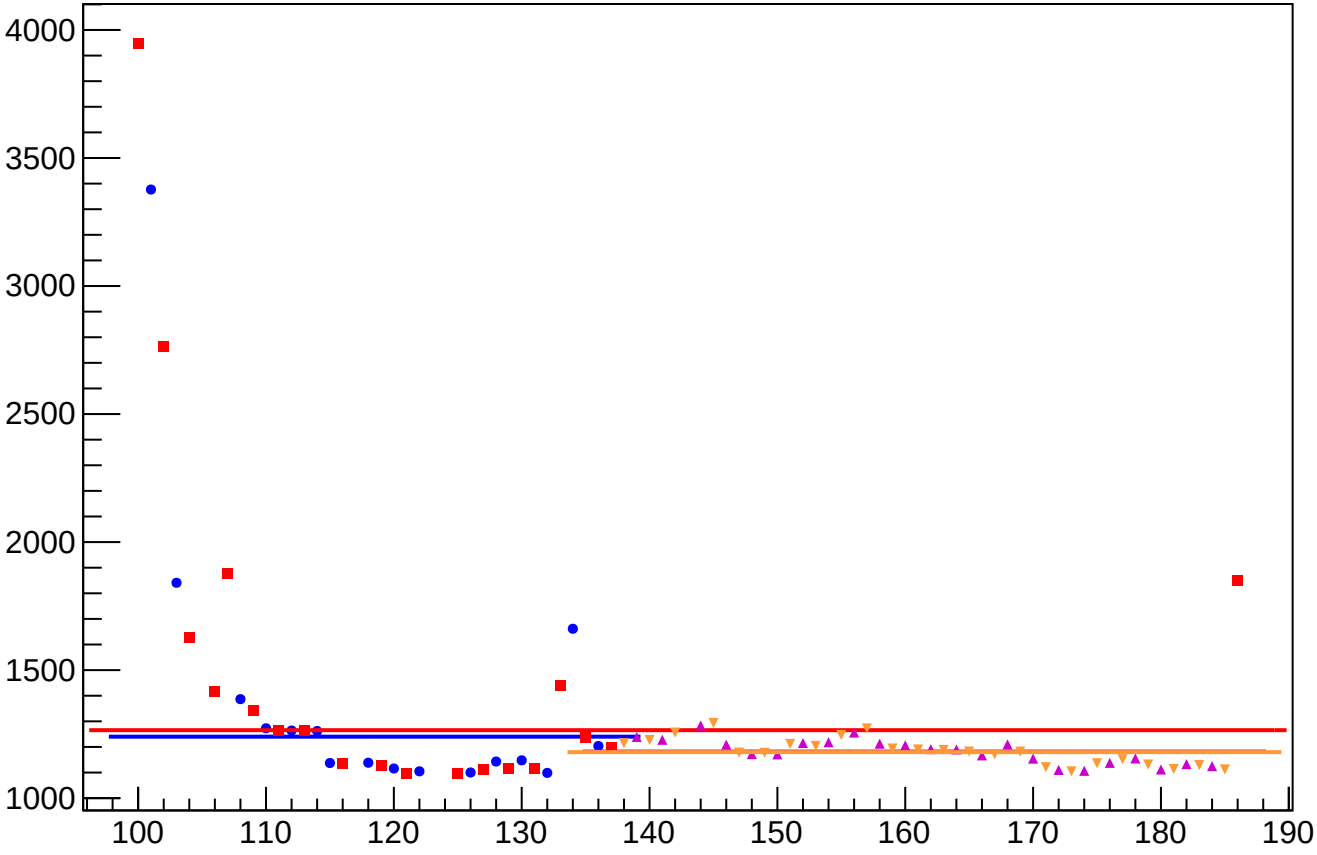
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 530.819+/-237.327 χ^2/NDF: 46.8/39

All: 268.338+/-168.164 χ^2/NDF: 95.8/81

- sign 3.667+/-238.315 χ^2/NDF: 46.5/41

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

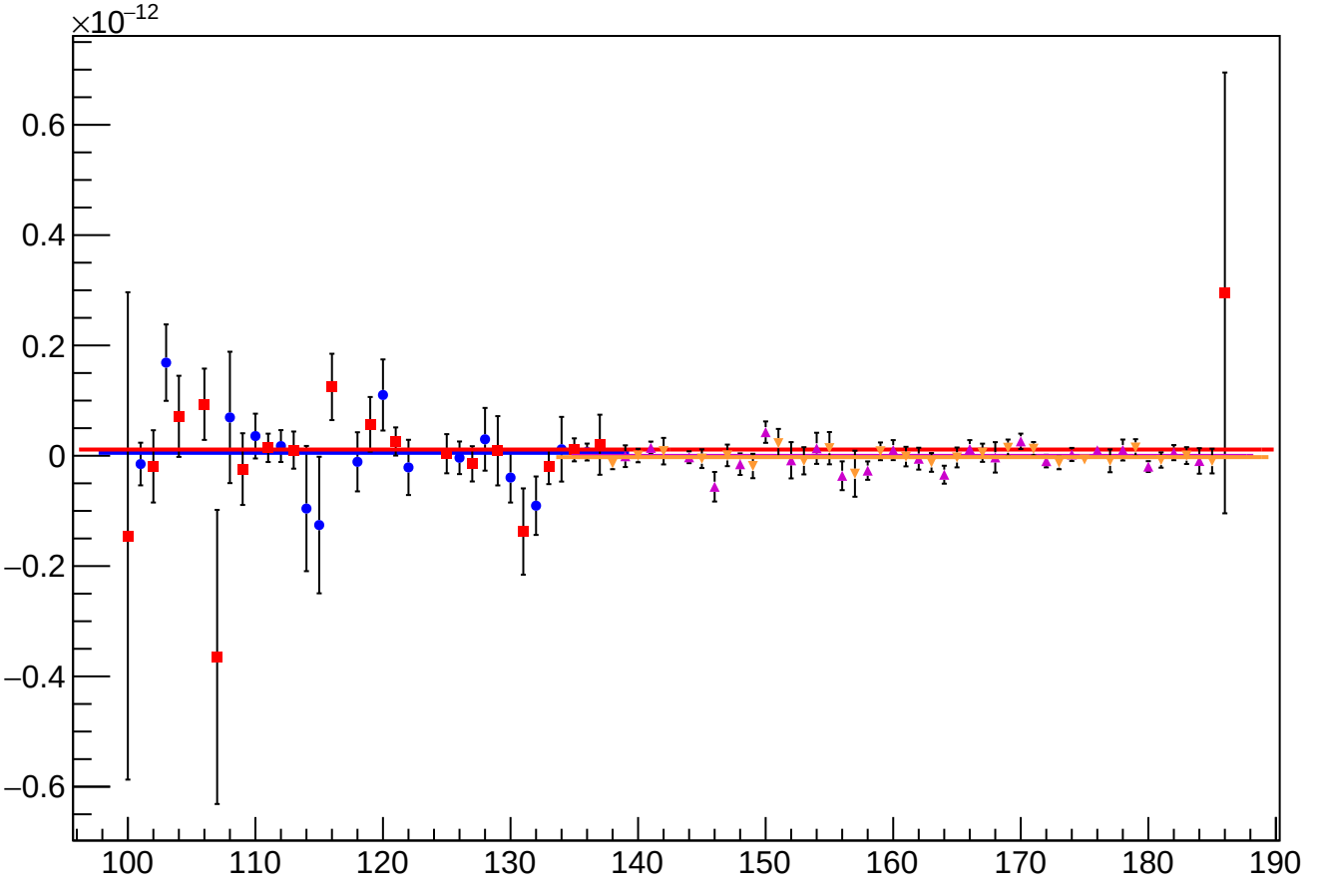
Right Out: 1265.444+/-0.333 χ^2/NDF: 690430.4/18

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

\+ sign 1194.826+/-0.168 χ^2/NDF: 871664.4/39

All: 1199.032+/-0.119 χ^2/NDF: 1670443.4/81

\- sign 1203.274+/-0.169 χ^2/NDF: 797517.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

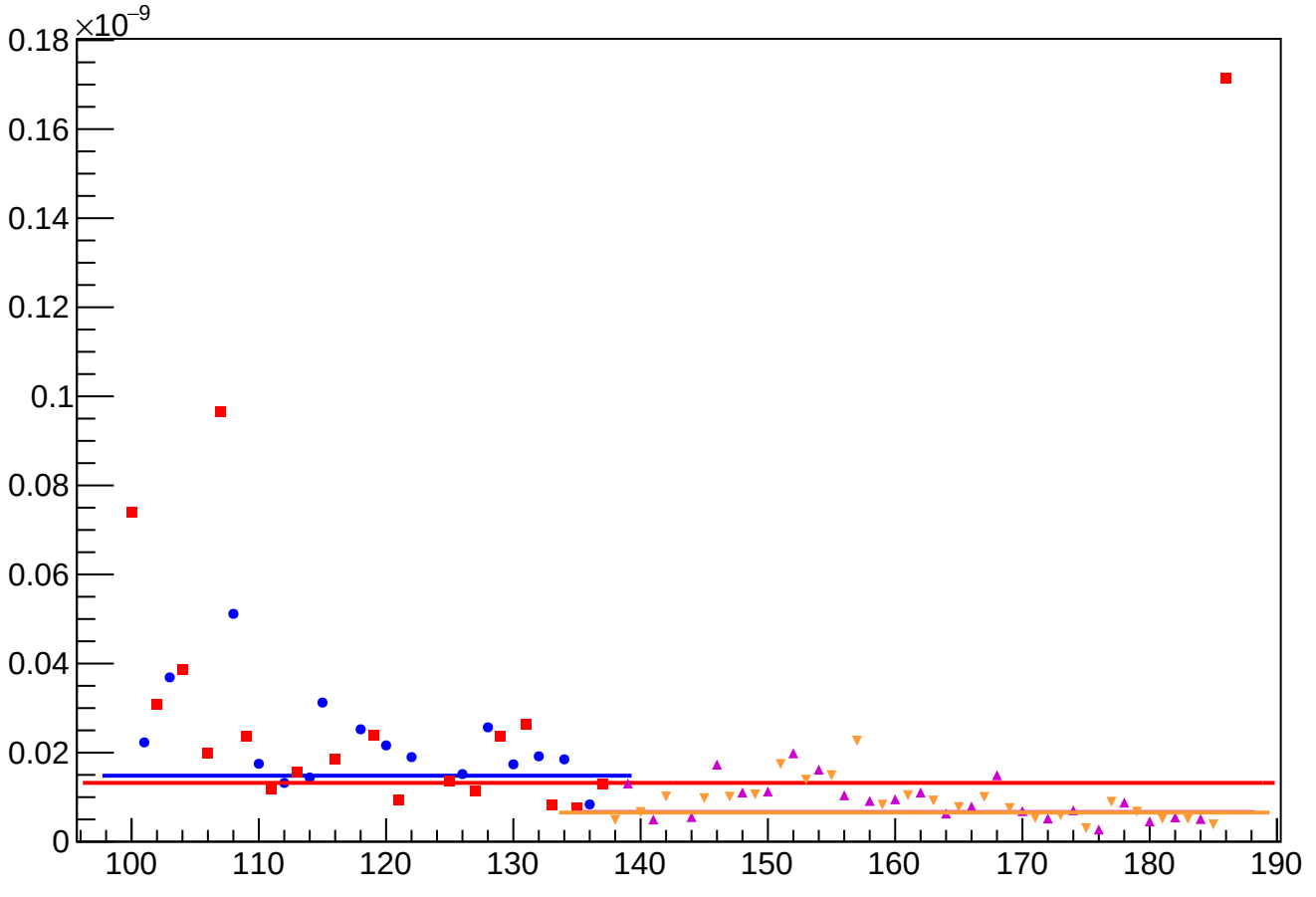
Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.4/39

All: -0.000+/-0.000 χ^2/NDF: 77.3/81

- sign 0.000+/-0.000 χ^2/NDF: 49.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

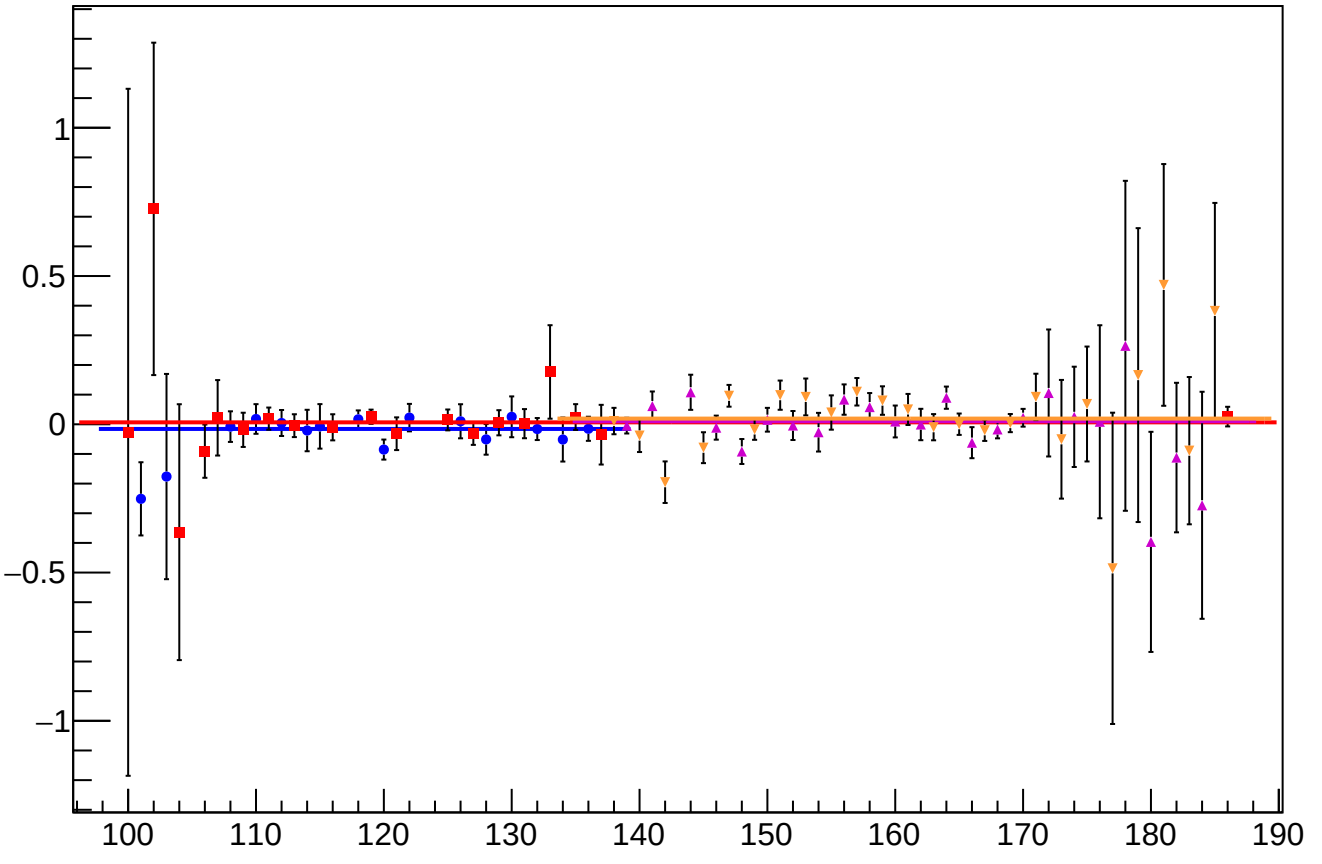
Right Out: 0.000+/-0.000 χ^2/NDF: 1496122.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

\+ sign 0.000+/-0.000 χ^2/NDF: 4751937.6/39

All: 0.000+/-0.000 χ^2/NDF: 9675393.4/81

\- sign 0.000+/-0.000 χ^2/NDF: 4923455.7/41



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.007+/-0.011 χ^2/NDF: 8.2/18

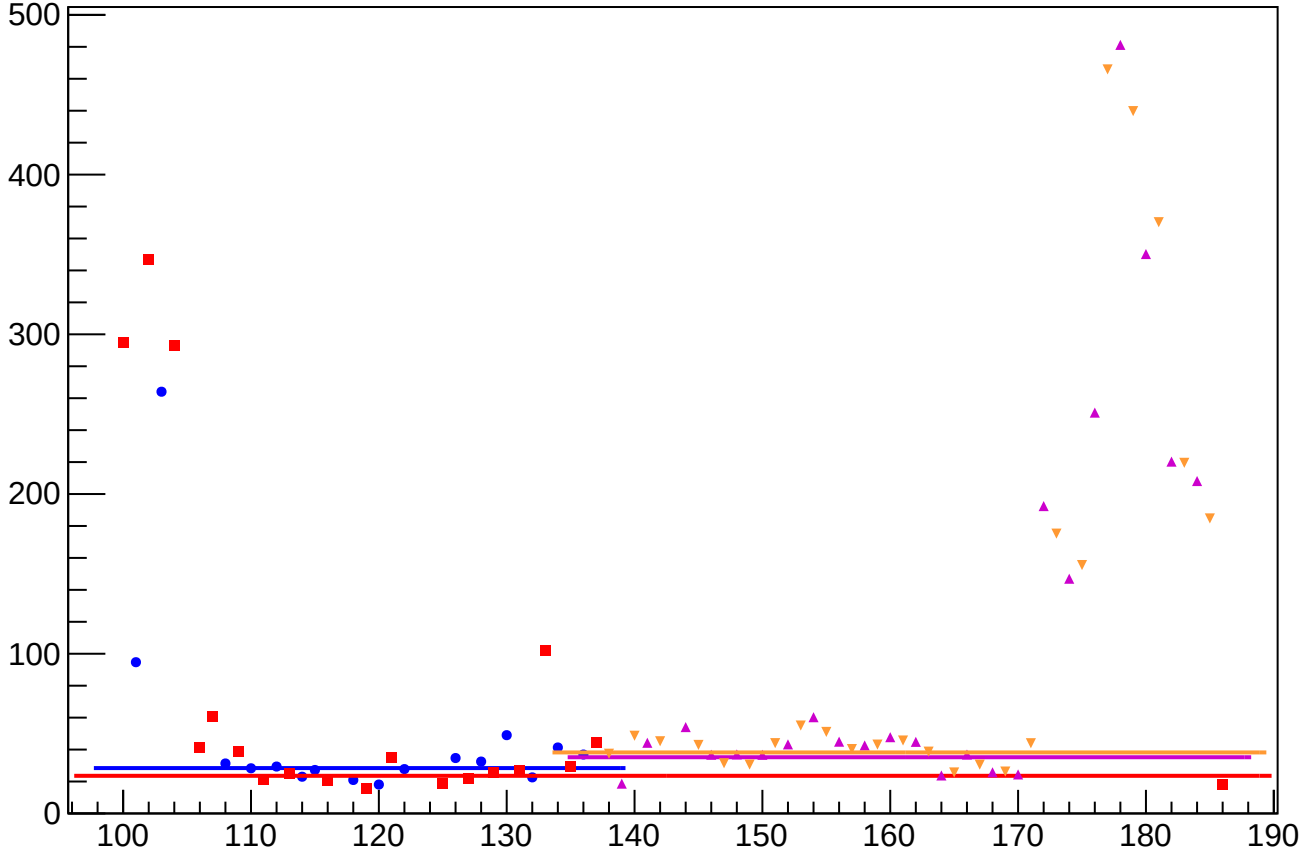
Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.4/39

All: 0.006+/-0.005 χ^2/NDF: 84.5/81

- 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: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

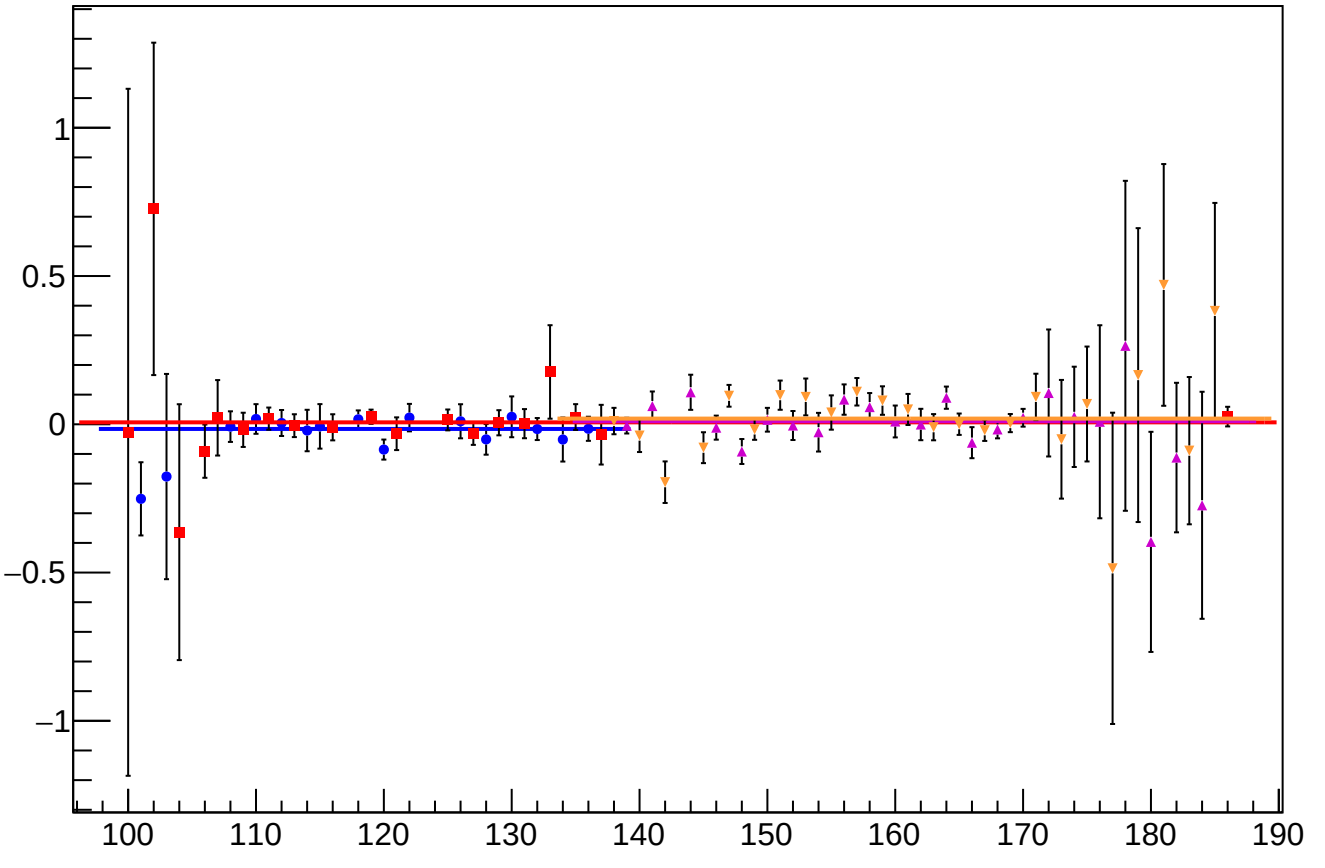
Right Out: 23.571+/-0.008 χ^2/NDF: 2980622.6/18

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 33.944+/-0.006 χ^2/NDF: 11246633.1/39

All: 31.630+/-0.004 χ^2/NDF: 25133331.6/81

- sign 29.685+/-0.005 χ^2/NDF: 13587747.7/41



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

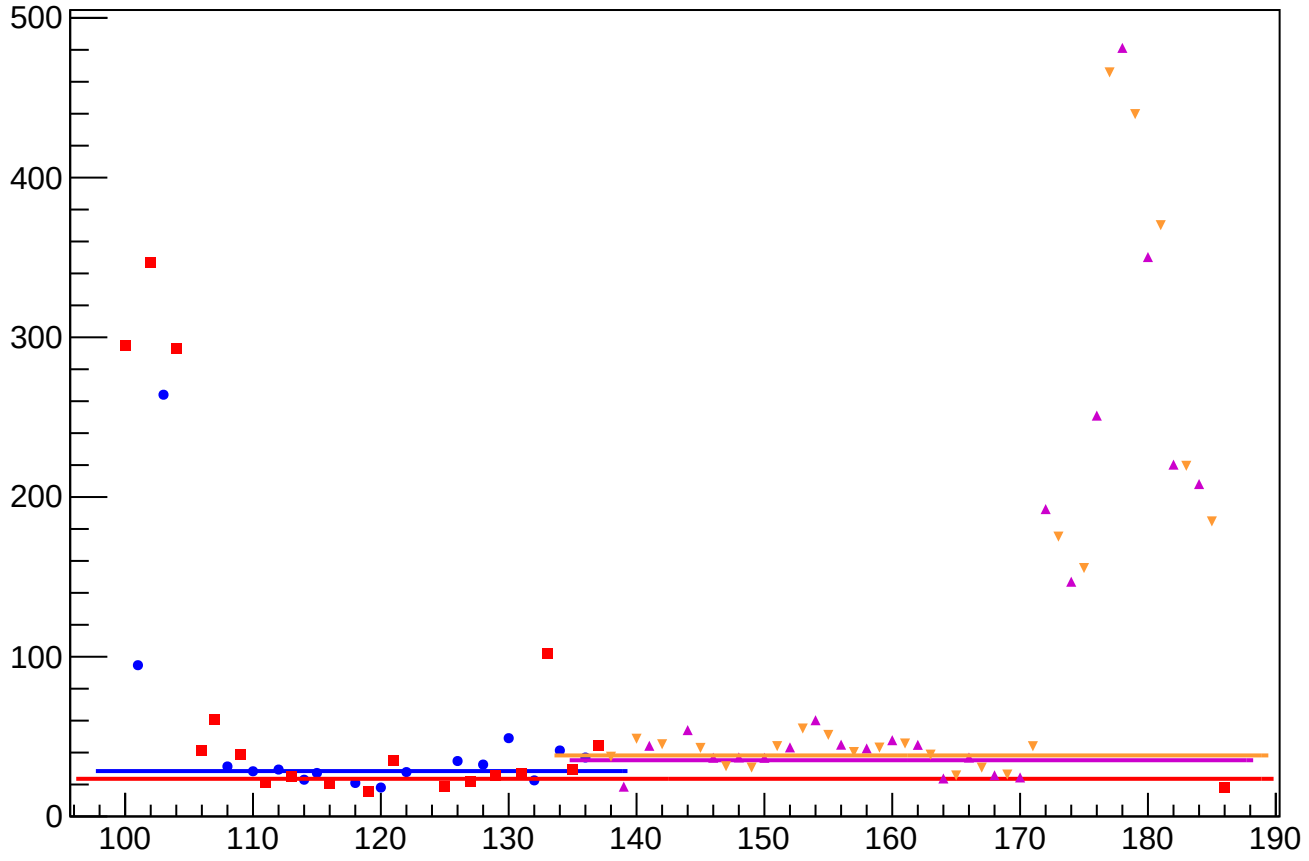
Right Out: 0.007+/-0.011 χ^2/NDF: 8.2/18

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.4/39

All: 0.006+/-0.005 χ^2/NDF: 84.5/81

- sign 0.009+/-0.007 χ^2/NDF: 31.9/41



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

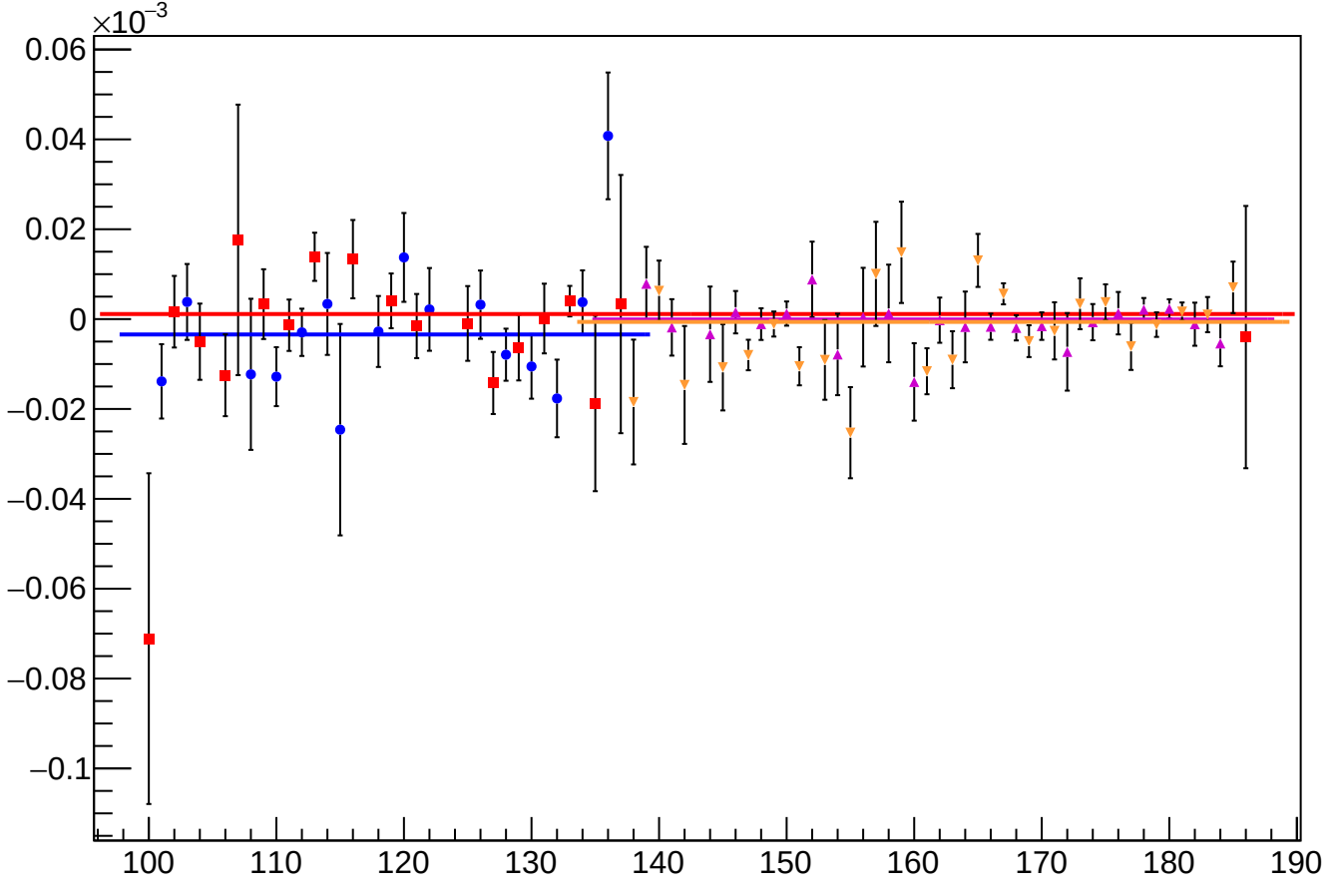
Right Out: 23.571+/-0.008 χ^2/NDF: 2980622.6/18

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

\+ sign 33.944+/-0.006 χ^2/NDF: 11246633.1/39

All: 31.630+/-0.004 χ^2/NDF: 25133331.6/81

\- sign 29.685+/-0.005 χ^2/NDF: 13587747.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

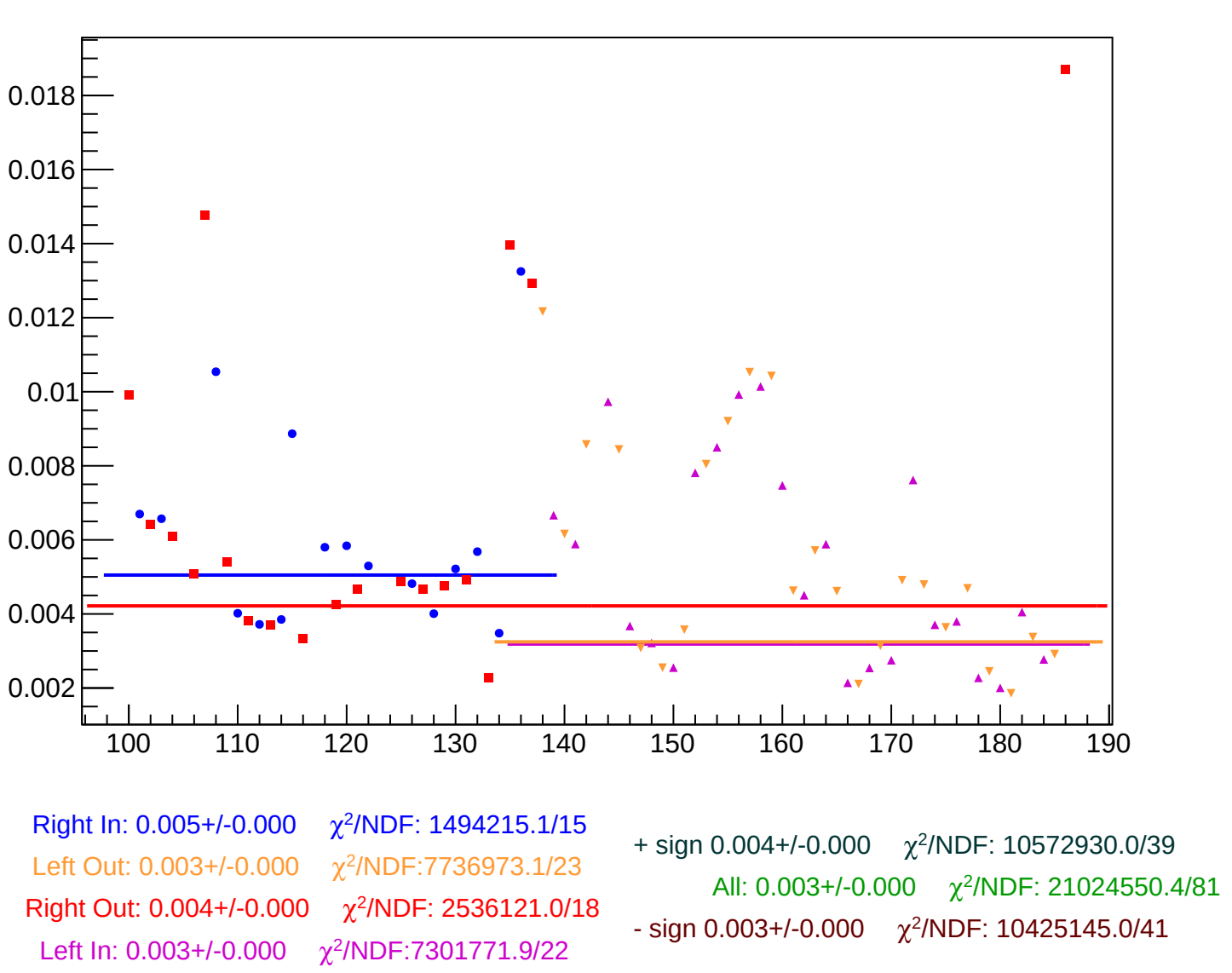
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

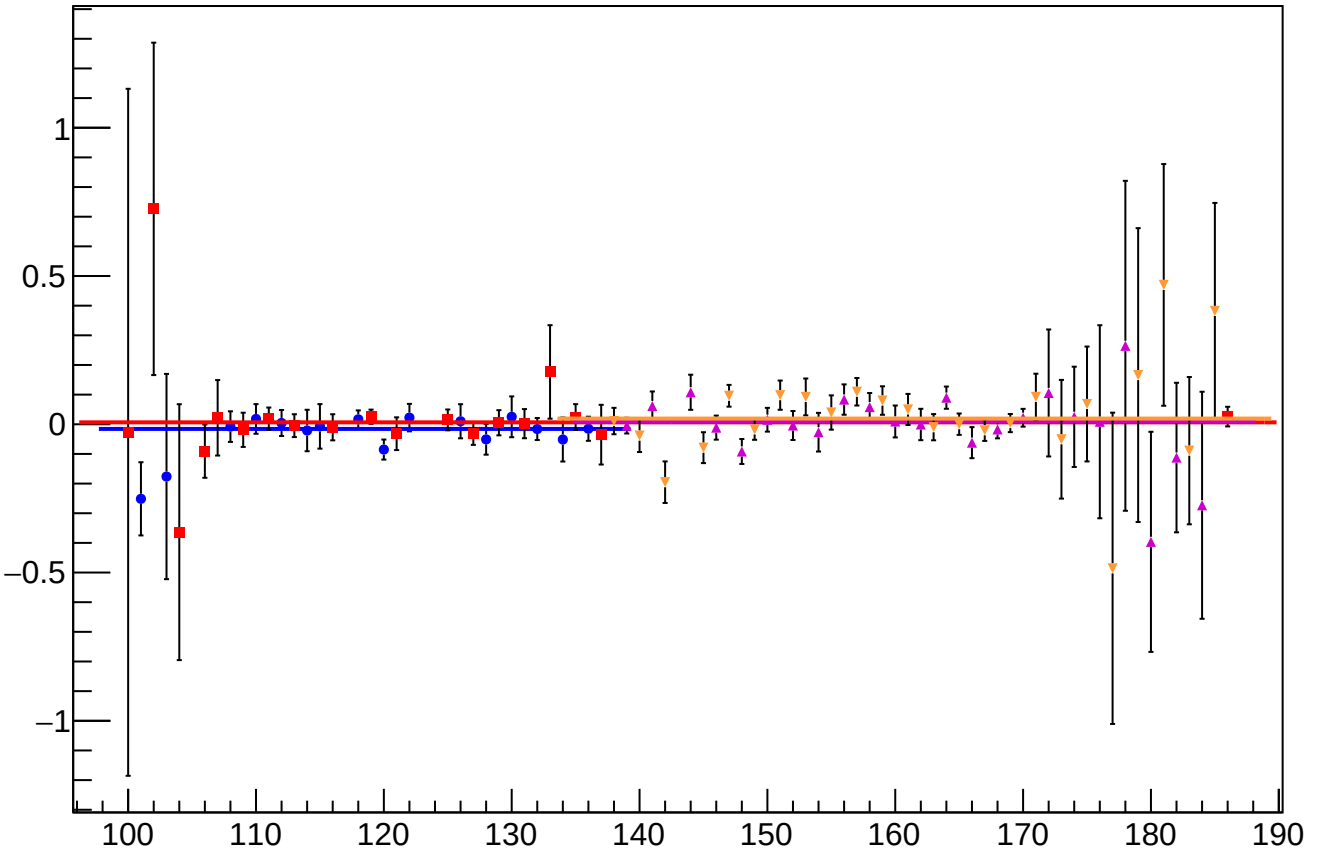
Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.9/39

All: -0.000+/-0.000 χ^2/NDF: 113.5/81

- 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: 1494215.1/15
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: 10572930.0/39
All: 0.003+/-0.000 χ²/NDF: 21024550.4/81
- sign 0.003+/-0.000 χ²/NDF: 10425145.0/41



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

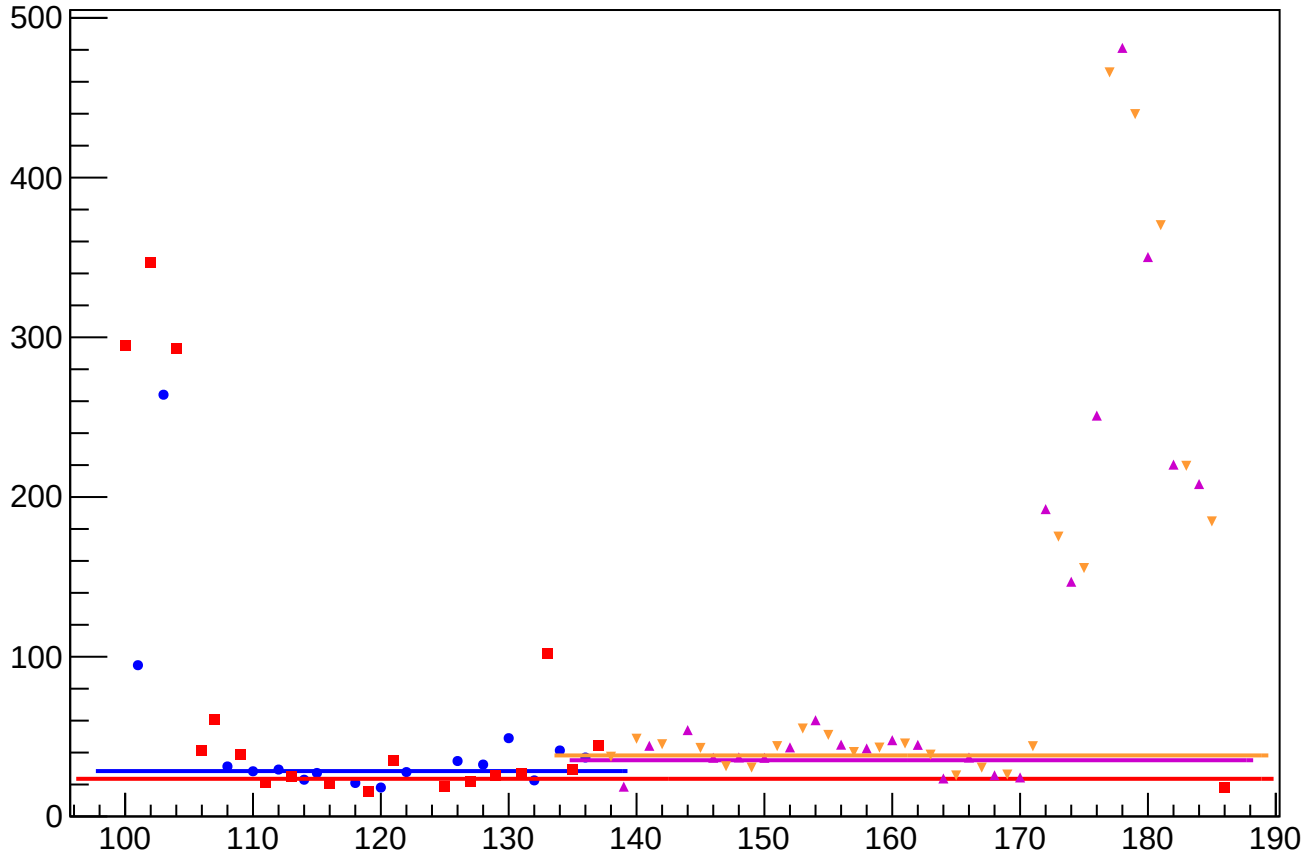
Right Out: 0.007+/-0.011 χ^2/NDF: 8.2/18

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.4/39

All: 0.006+/-0.005 χ^2/NDF: 84.5/81

- sign 0.009+/-0.007 χ^2/NDF: 31.9/41



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

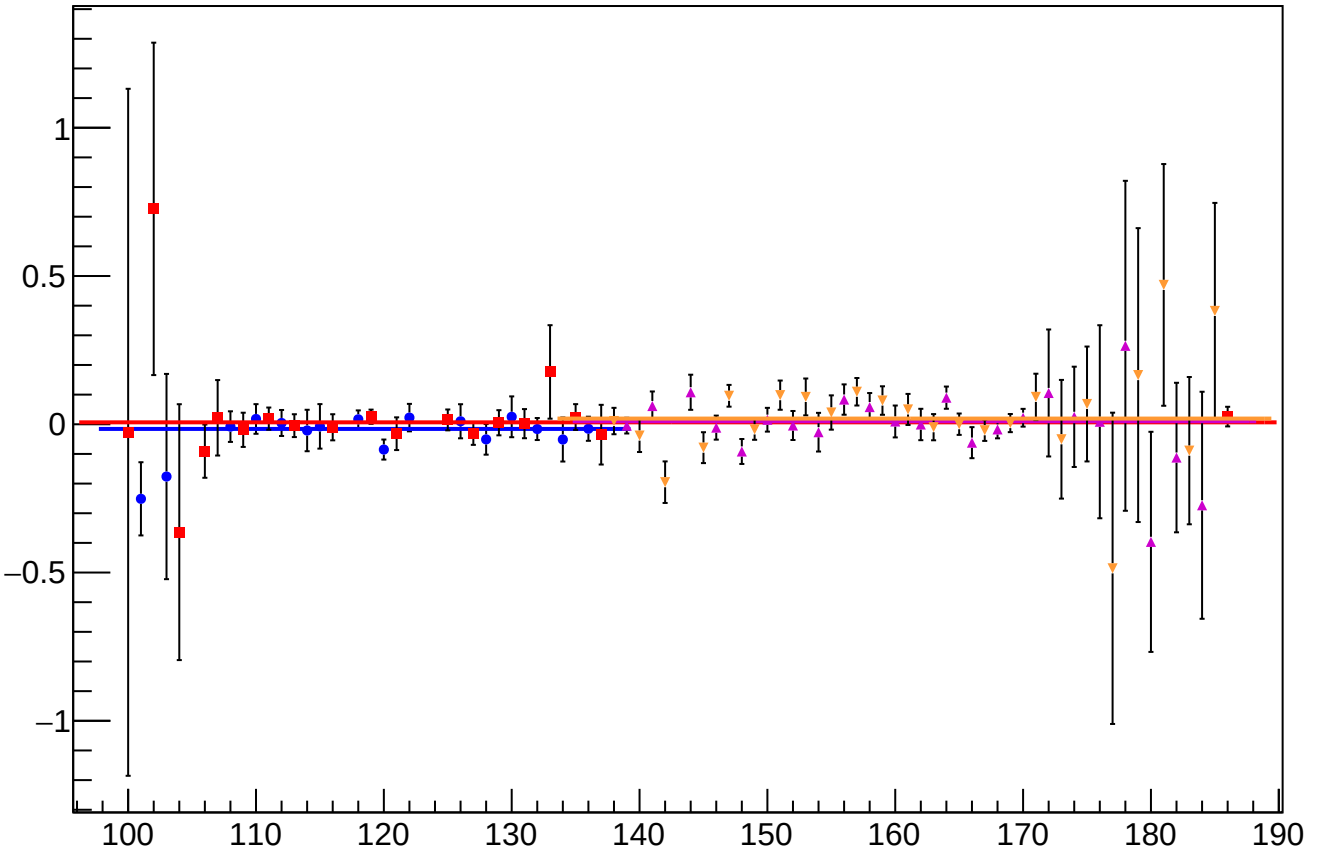
Right Out: 23.569+/-0.008 χ^2/NDF: 2980920.4/18

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 33.944+/-0.006 χ^2/NDF: 11246785.6/39

All: 31.629+/-0.004 χ^2/NDF: 25134787.3/81

- sign 29.684+/-0.005 χ^2/NDF: 13588880.0/41



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

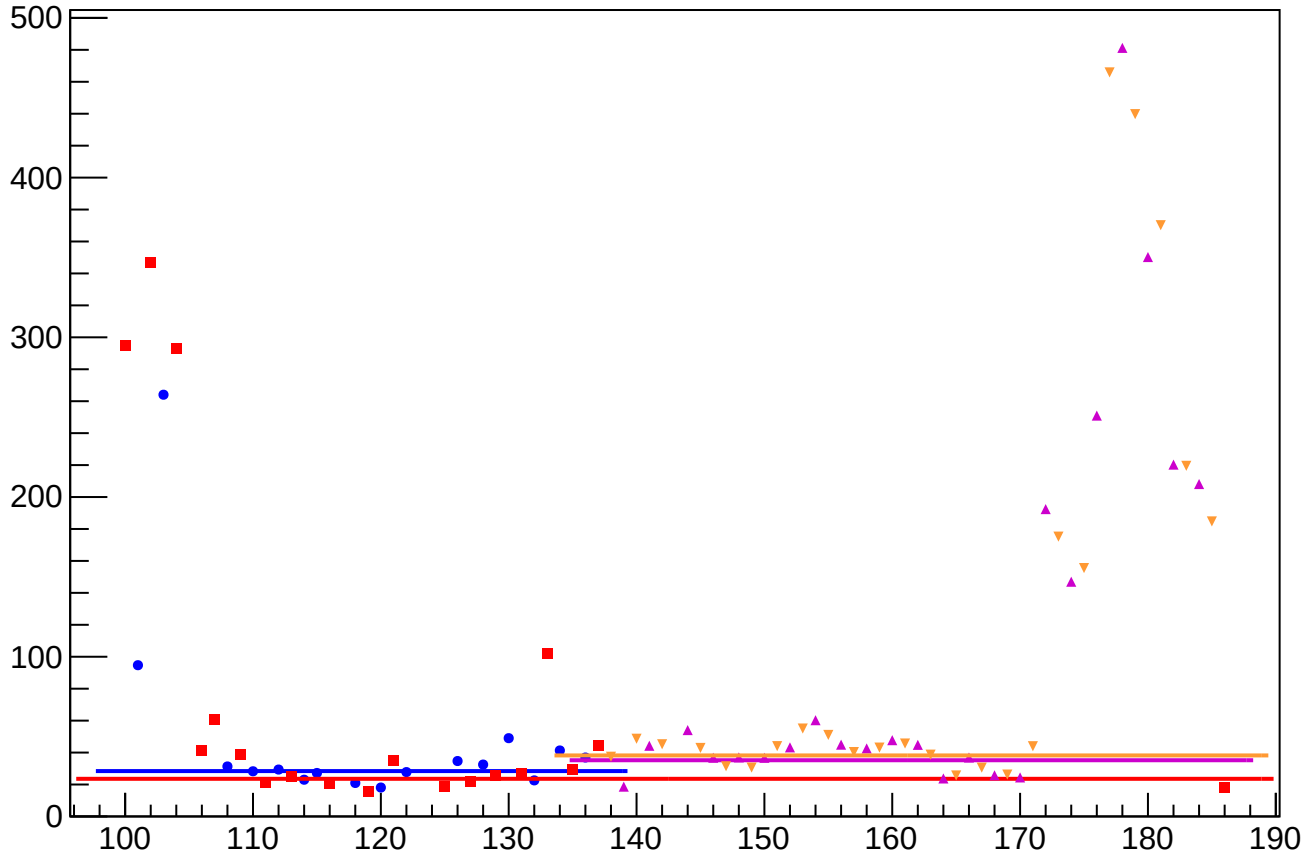
Right Out: 0.007+/-0.011 χ^2/NDF: 8.2/18

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.4/39

All: 0.006+/-0.005 χ^2/NDF: 84.5/81

- sign 0.009+/-0.007 χ^2/NDF: 31.9/41



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

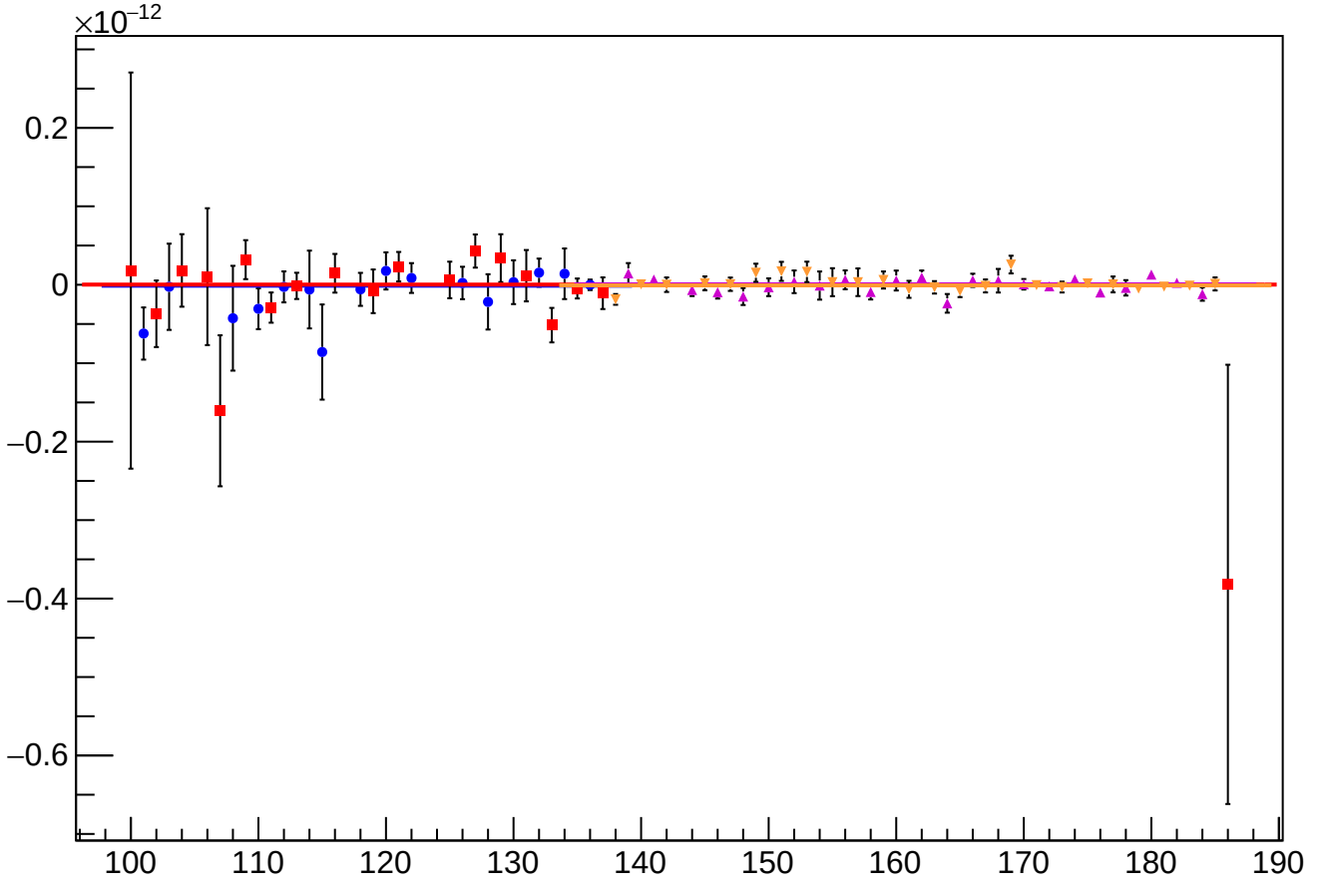
Right Out: 23.569+/-0.008 χ^2/NDF: 2980920.4/18

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 33.944+/-0.006 χ^2/NDF: 11246785.6/39

All: 31.629+/-0.004 χ^2/NDF: 25134787.3/81

- sign 29.684+/-0.005 χ^2/NDF: 13588880.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

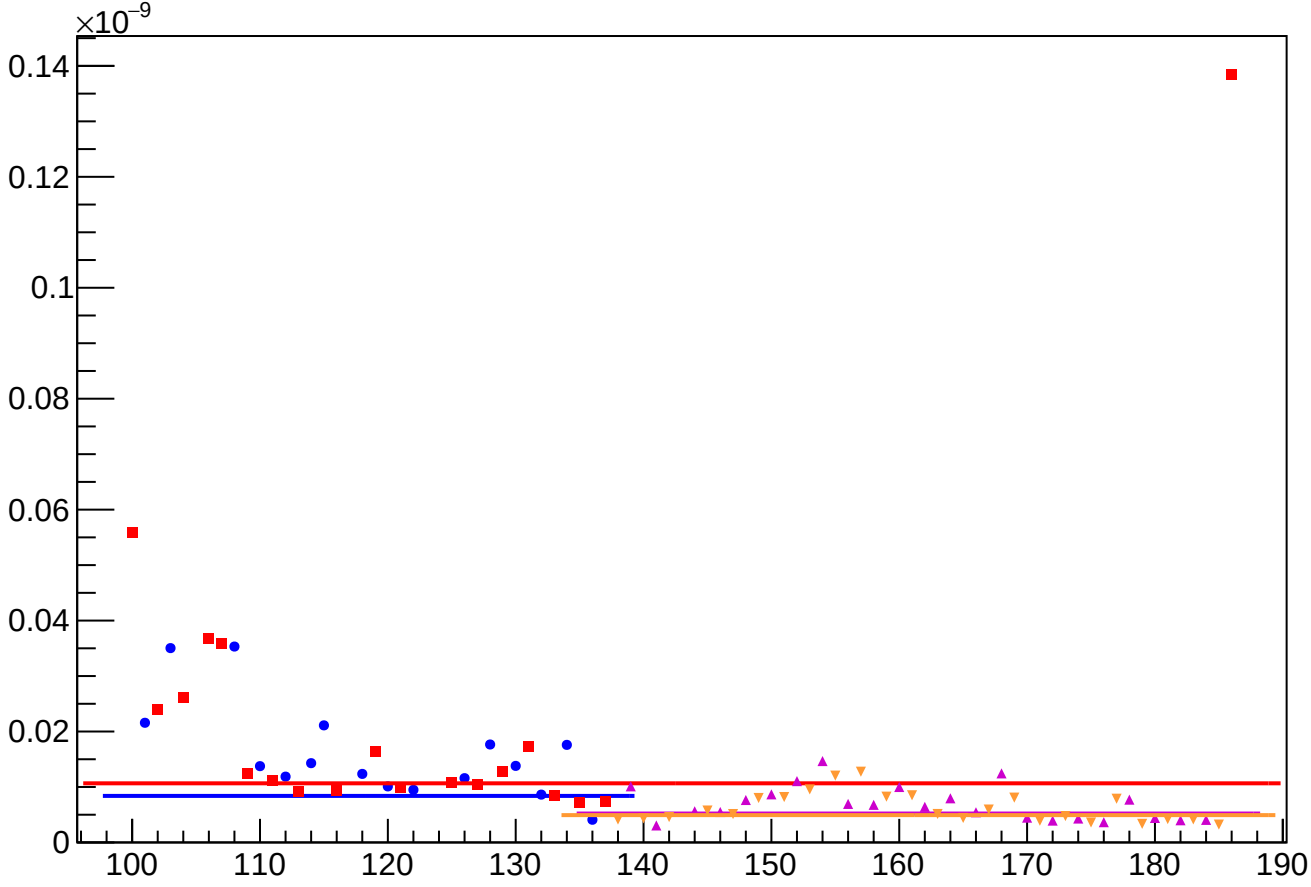
Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/18

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.5/39

All: -0.000+/-0.000 χ^2/NDF: 80.1/81

- sign 0.000+/-0.000 χ^2/NDF: 49.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1650571.1/18

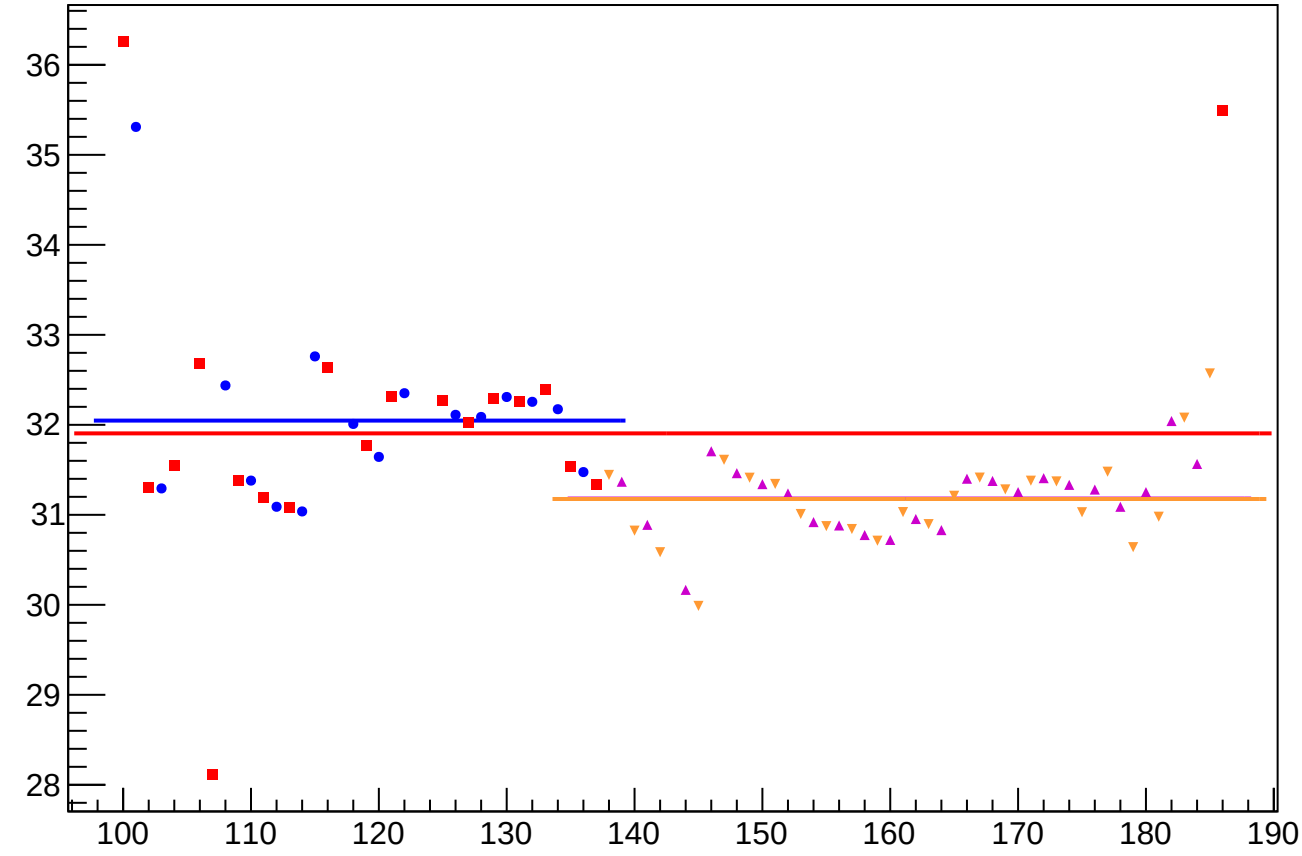
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6290852.4/39

All: 0.000+/-0.000 χ^2/NDF: 13184366.4/81

- sign 0.000+/-0.000 χ^2/NDF: 6832667.6/41

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

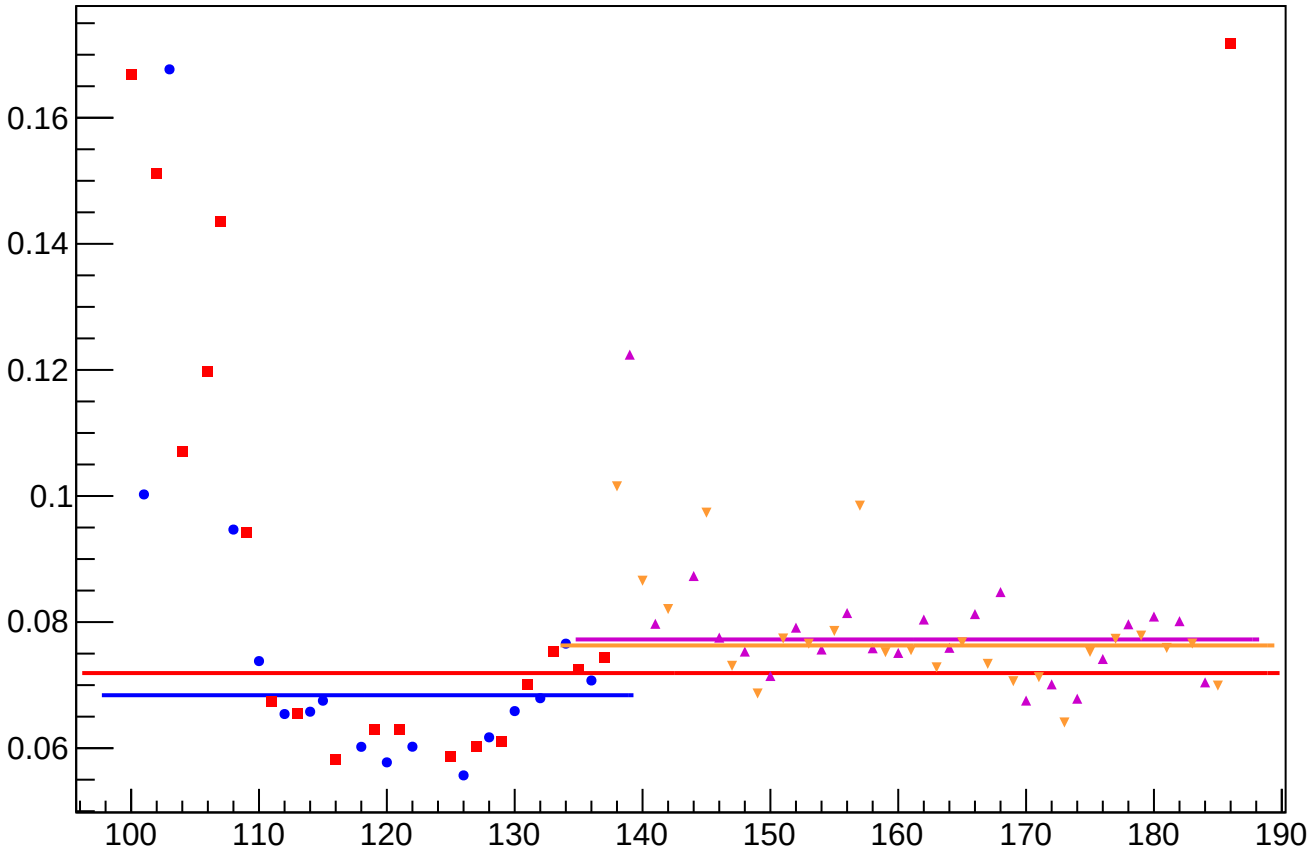
Right Out: 31.905+/-0.000 χ^2/NDF: 661955723.9/18

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.452+/-0.000 χ^2/NDF: 2121461957.3/39

All: 31.430+/-0.000 χ^2/NDF: 3616808078.1/8

- sign 31.407+/-0.000 χ^2/NDF: 1491051710.1/41



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.072+/-0.000 χ^2/NDF: 1140620.8/18

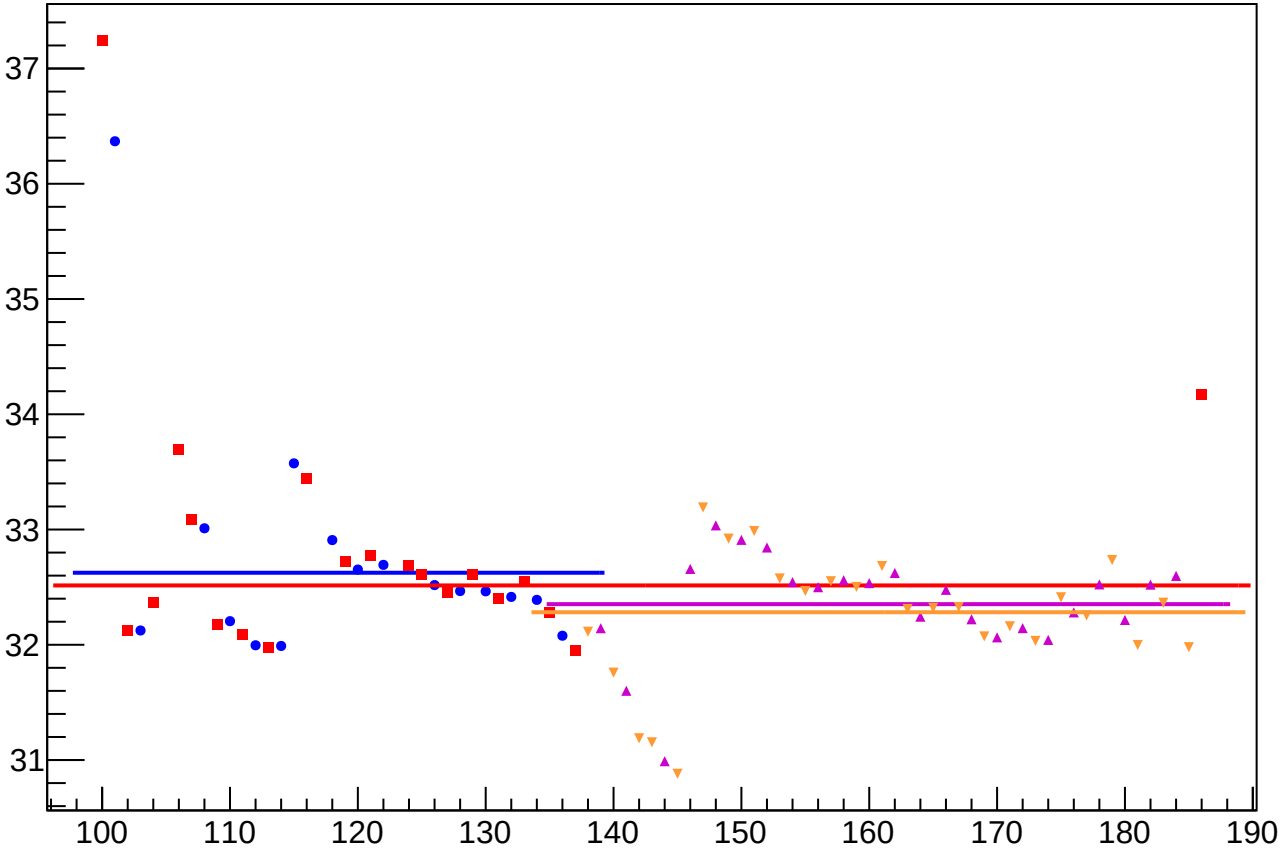
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.074+/-0.000 χ^2/NDF: 1173818.6/39

All: 0.075+/-0.000 χ^2/NDF: 2742048.4/81

- sign 0.076+/-0.000 χ^2/NDF: 1554977.0/41

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

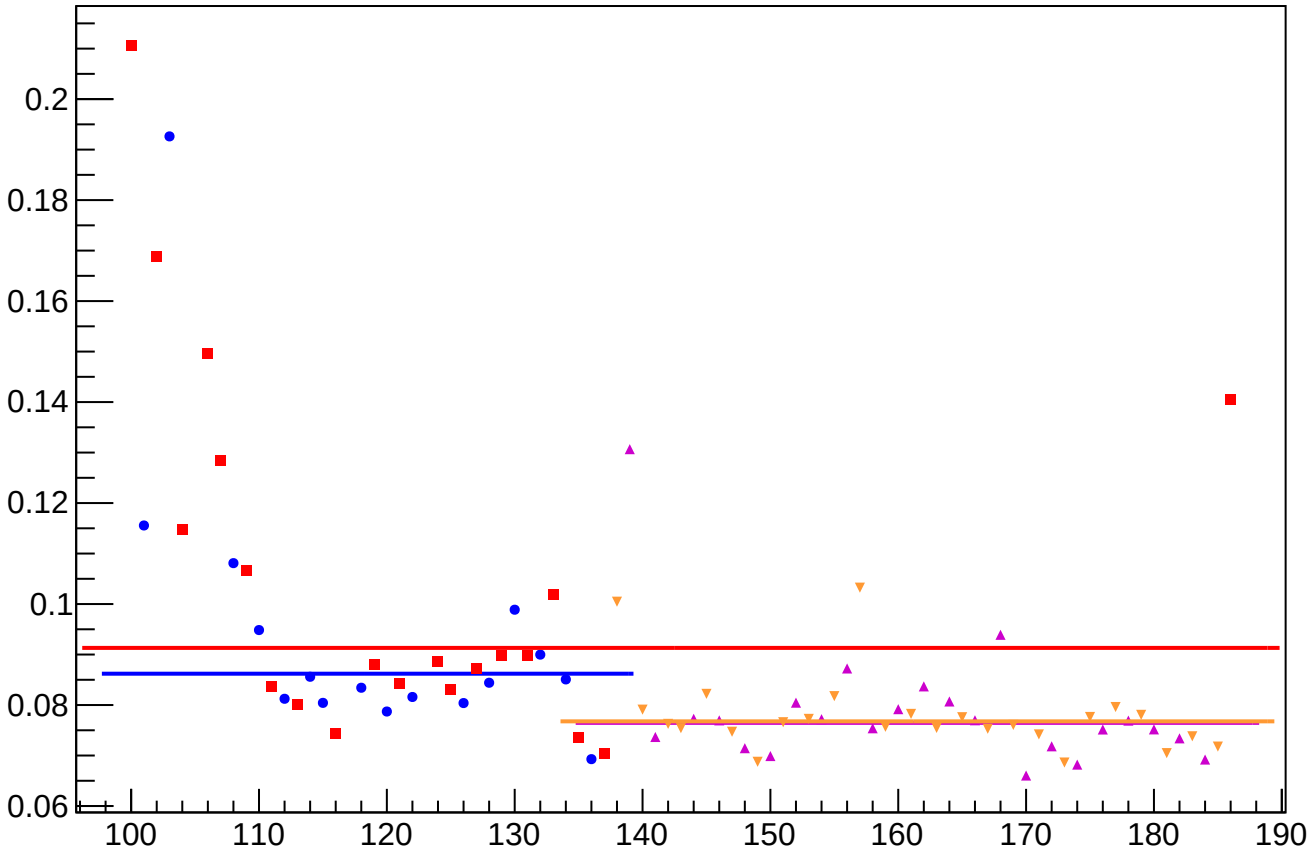
Right Out: 32.515+/-0.000 χ^2/NDF: 212462095.3/19

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.358+/-0.000 χ^2/NDF: 1655465753.9/40

All: 32.373+/-0.000 χ^2/NDF: 2476330762.9/8

- sign 32.388+/-0.000 χ^2/NDF: 819094963.3/42



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.091+/-0.000 χ^2/NDF: 720358.0/19

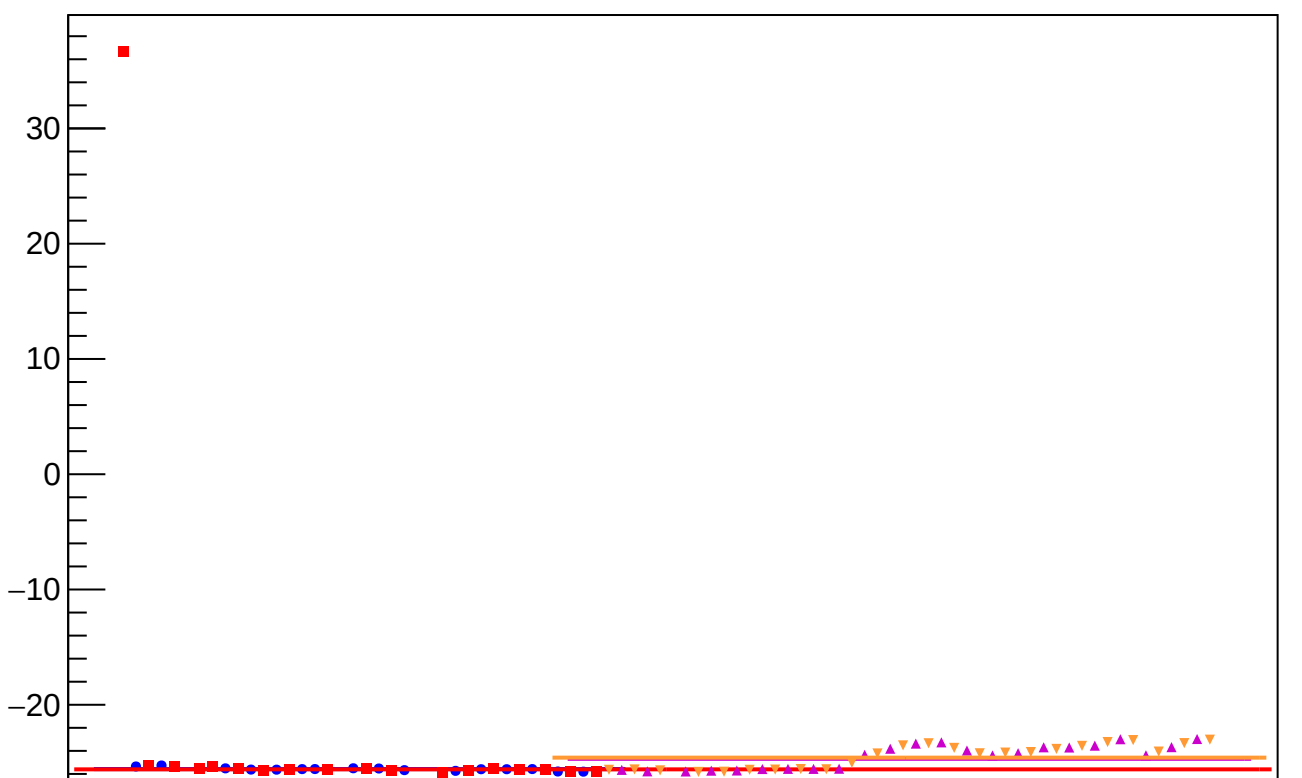
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.079+/-0.000 χ^2/NDF: 966899.8/40

All: 0.079+/-0.000 χ^2/NDF: 2452621.1/83

- sign 0.080+/-0.000 χ^2/NDF: 1482676.3/42

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -25.603+/-0.000 χ^2/NDF: 9248010012.1/18

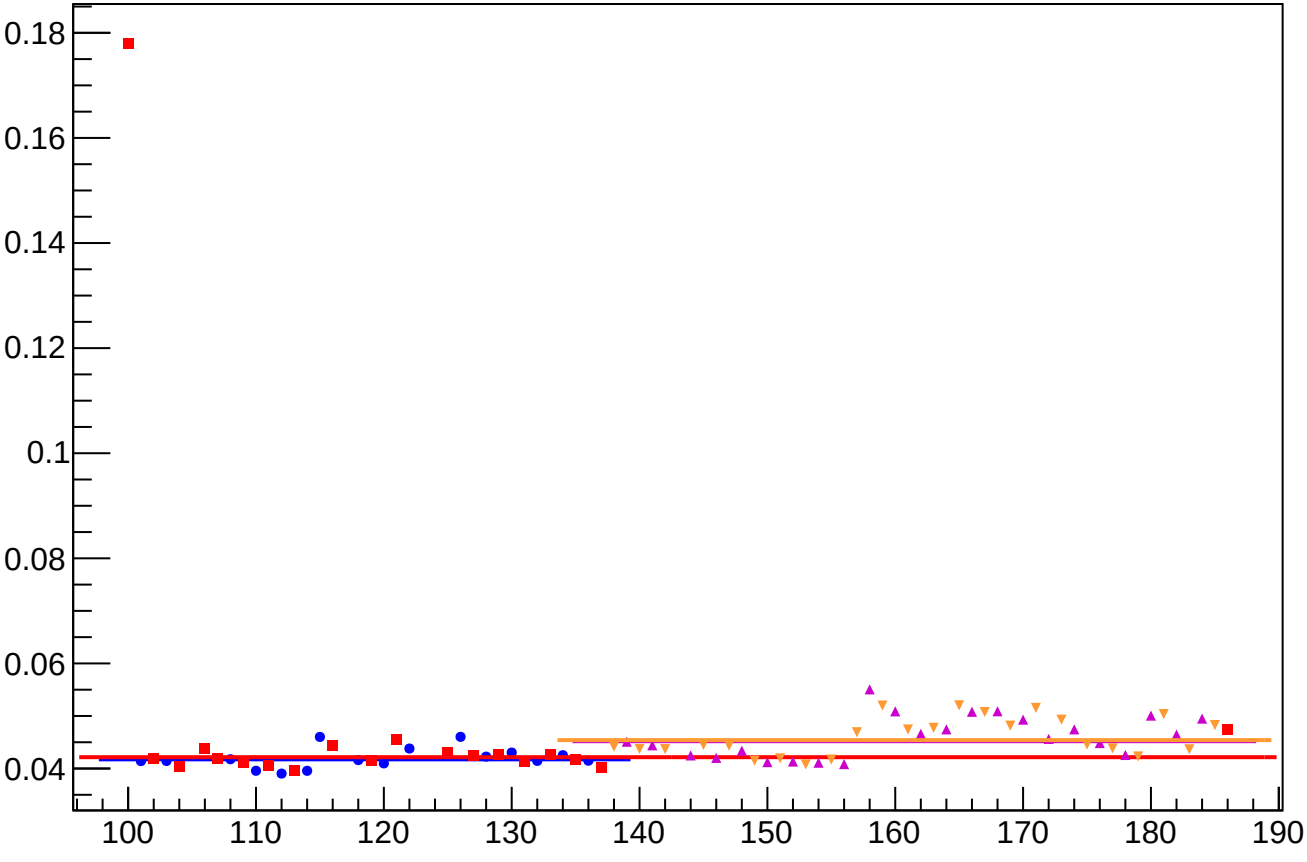
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -24.905+/-0.000 χ^2/NDF: 12031335613.9/39

All: -24.948+/-0.000 χ^2/NDF: 32553391747.5

- 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: 20733.3/15

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.042+/-0.000 χ^2/NDF: 110419.5/18

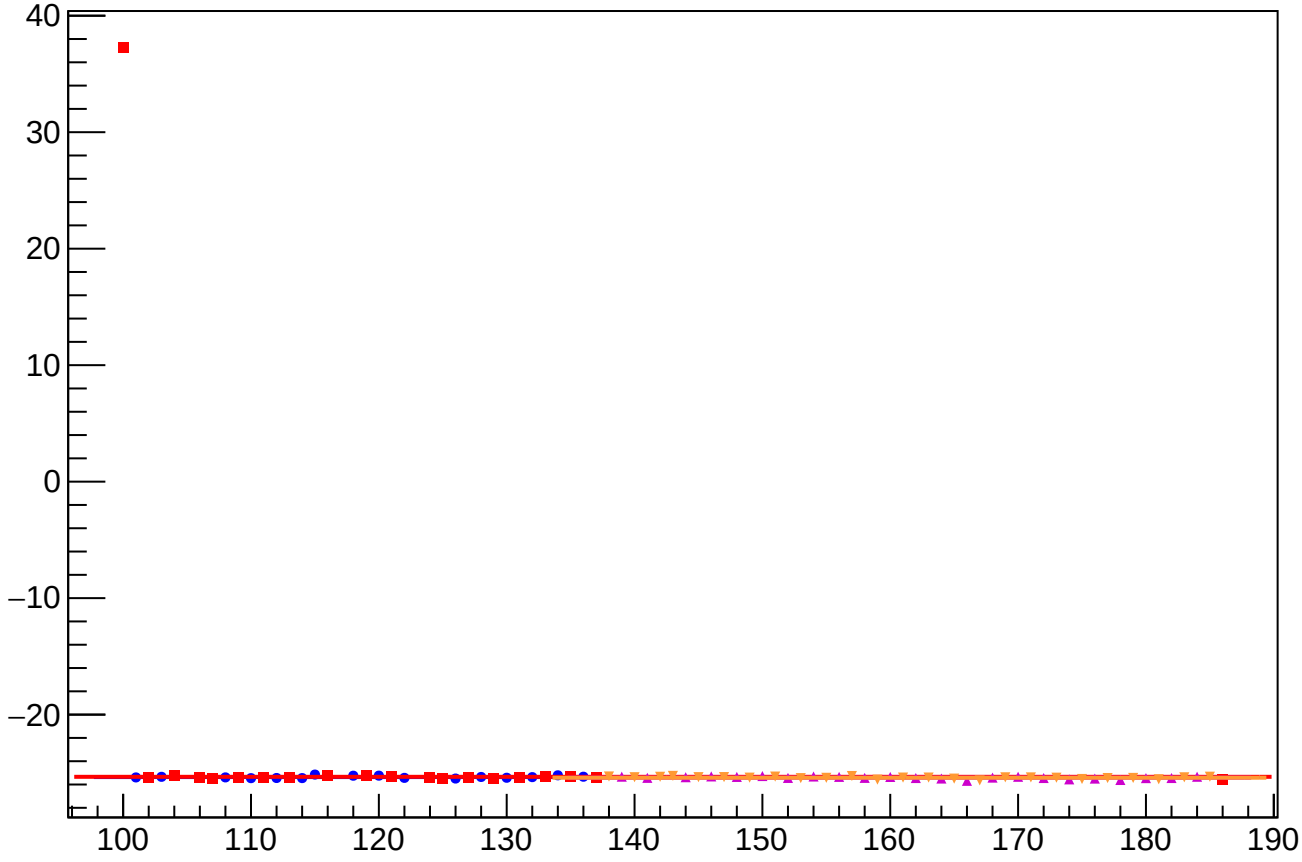
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.044+/-0.000 χ^2/NDF: 300980.4/39

All: 0.044+/-0.000 χ^2/NDF: 709537.2/81

- sign 0.044+/-0.000 χ^2/NDF: 408540.4/41

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.339+/-0.000 χ^2/NDF: 6323276058.2/19

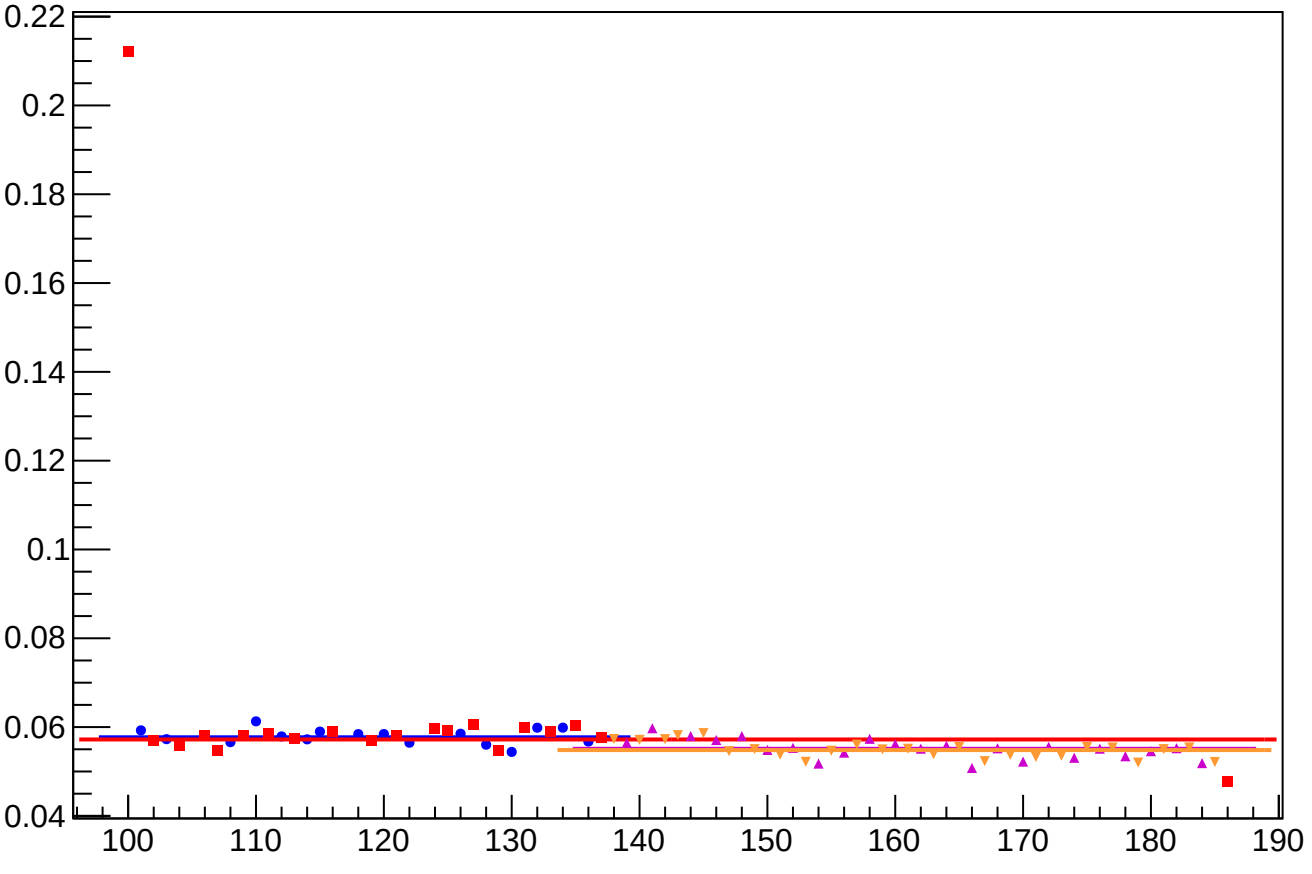
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.403+/-0.000 χ^2/NDF: 70519980.5/40

All: -25.398+/-0.000 χ^2/NDF: 6459360009.9/

- sign -25.393+/-0.000 χ^2/NDF: 6388454711.6/42

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

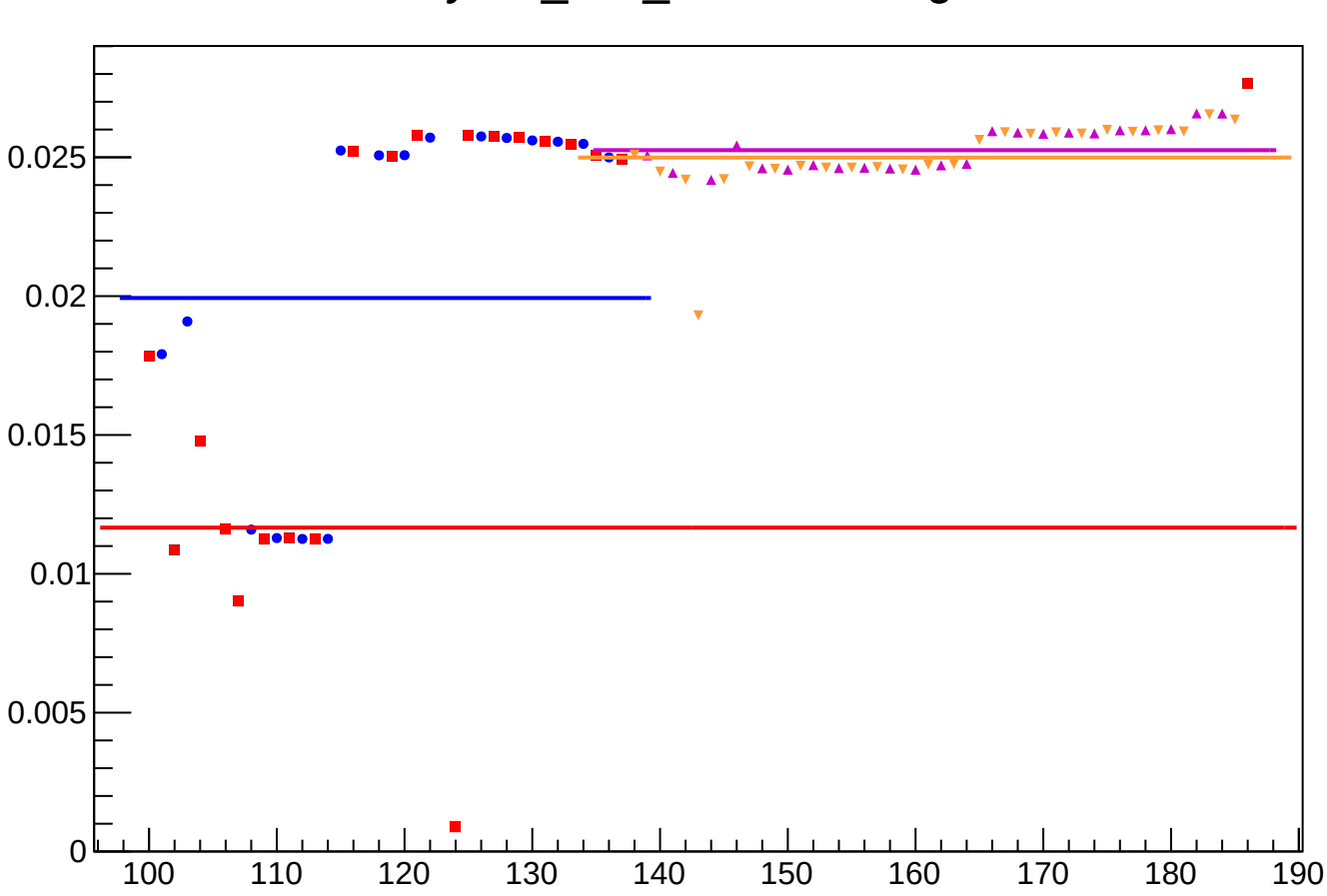
Right Out: 0.057+/-0.000 χ^2/NDF: 123341.3/19

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.056+/-0.000 χ^2/NDF: 75835.5/40

All: 0.056+/-0.000 χ^2/NDF: 265574.5/83

- sign 0.056+/-0.000 χ^2/NDF: 189525.4/42



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.012+/-0.000 χ^2/NDF: 262953529809.1/19

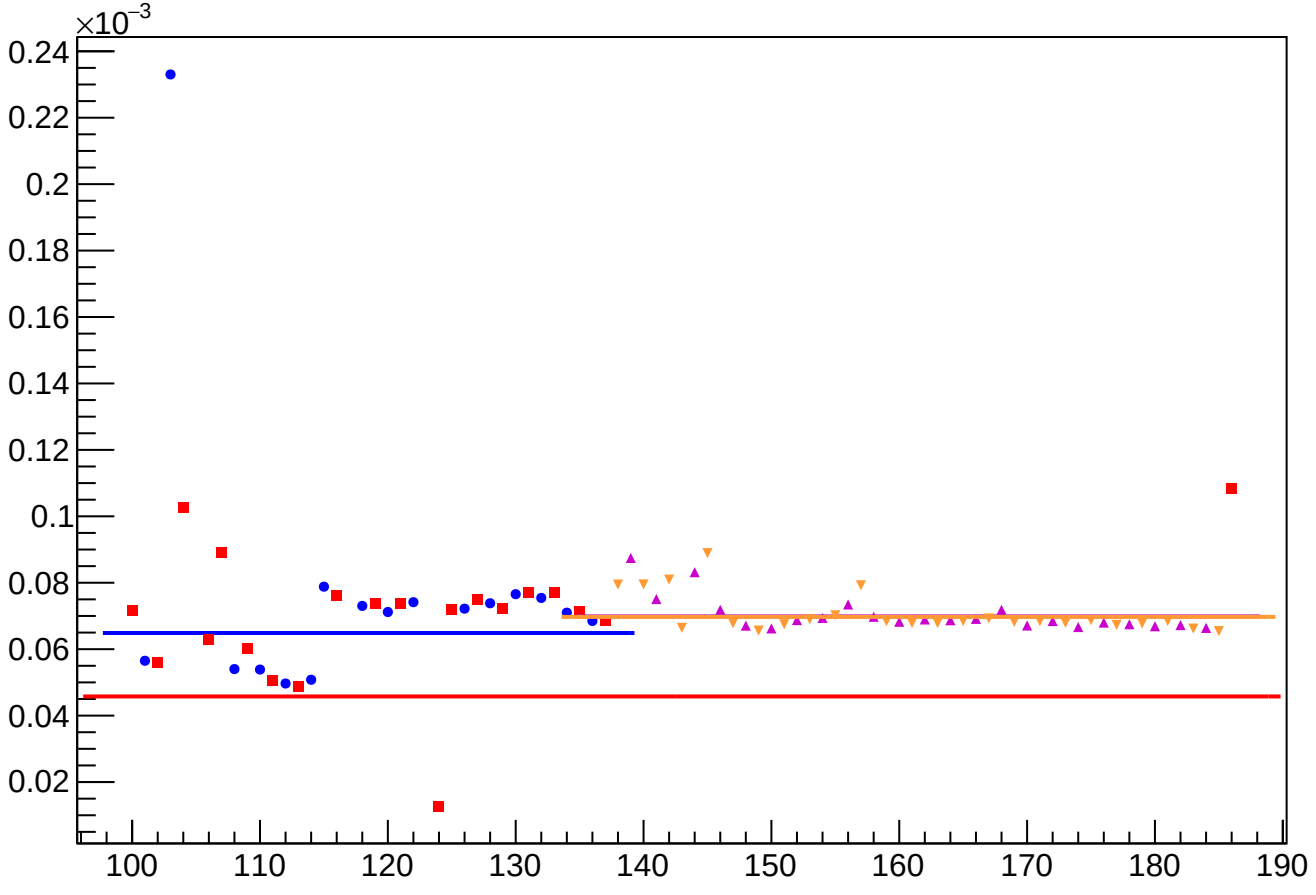
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 98816693553.7/40

All: 0.021+/-0.000 χ^2/NDF: 685871644573.9

- 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: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

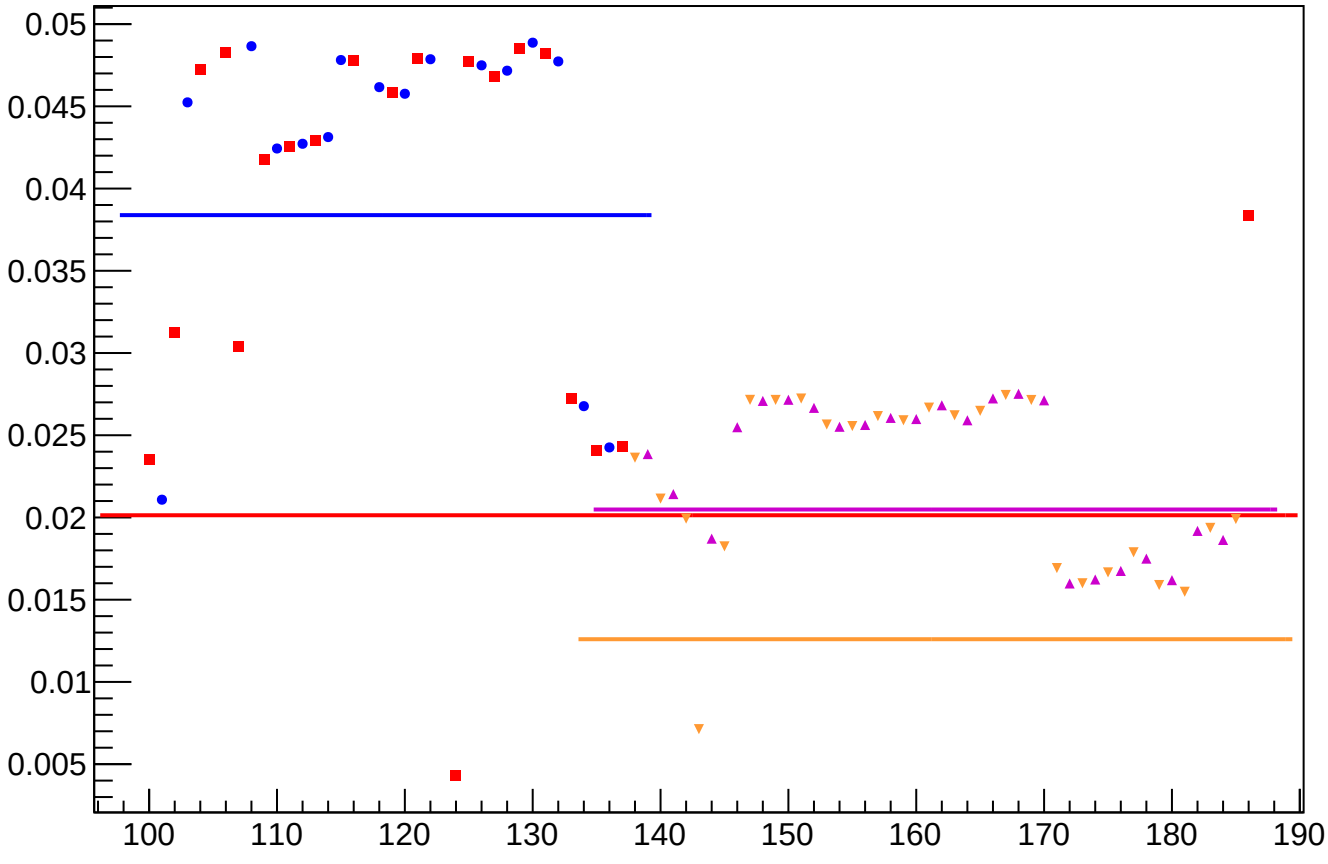
Right Out: 0.000+/-0.000 χ^2/NDF: 4046759.7/19

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 1057526.1/40

All: 0.000+/-0.000 χ^2/NDF: 7414155.6/83

- sign 0.000+/-0.000 χ^2/NDF: 5951376.7/42



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.020+/-0.000 χ^2/NDF: 42397067399.5/19

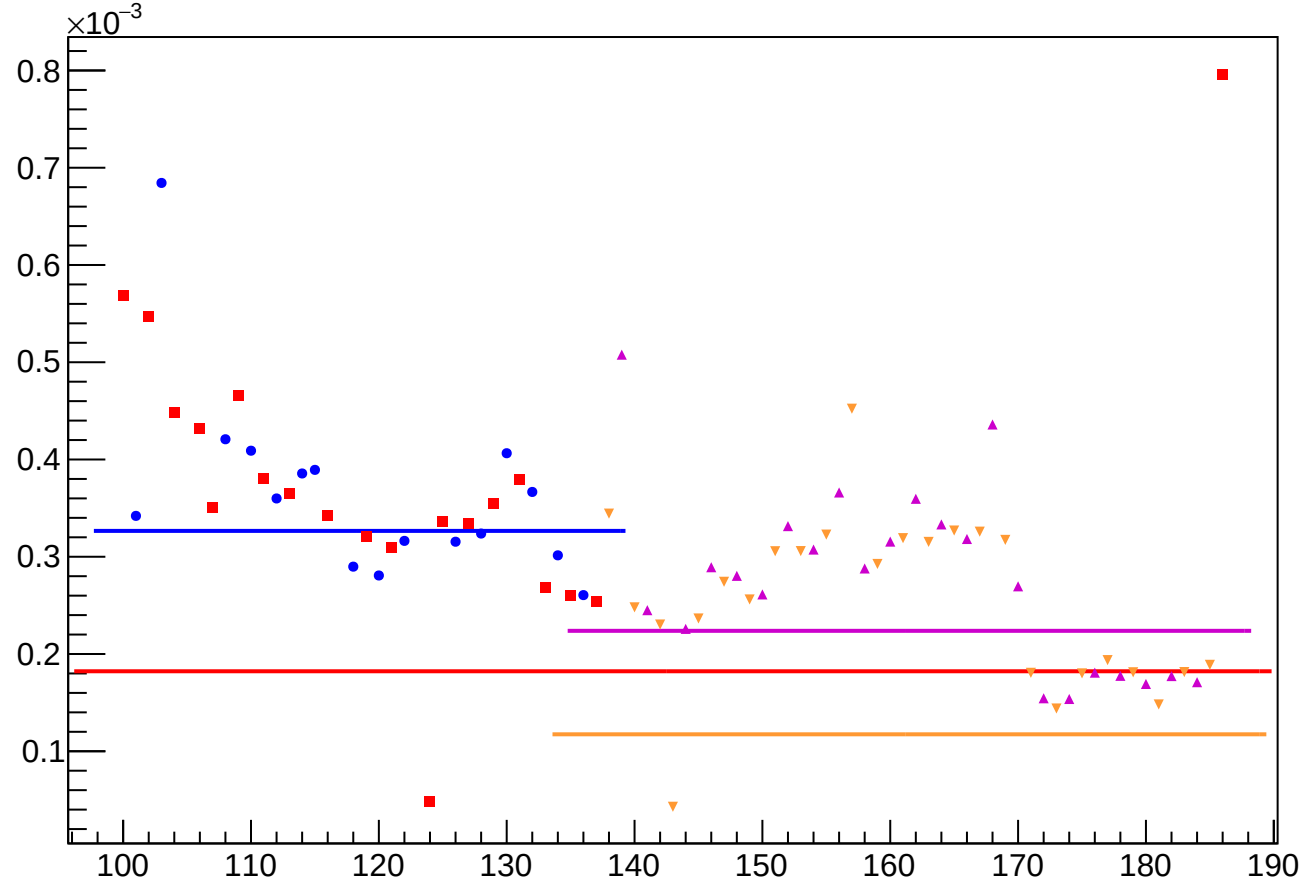
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.014+/-0.000 χ^2/NDF: 80920537452.1/40

All: 0.017+/-0.000 χ^2/NDF: 139152596417.7

- sign 0.020+/-0.000 χ^2/NDF: 48507619414.2/42

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

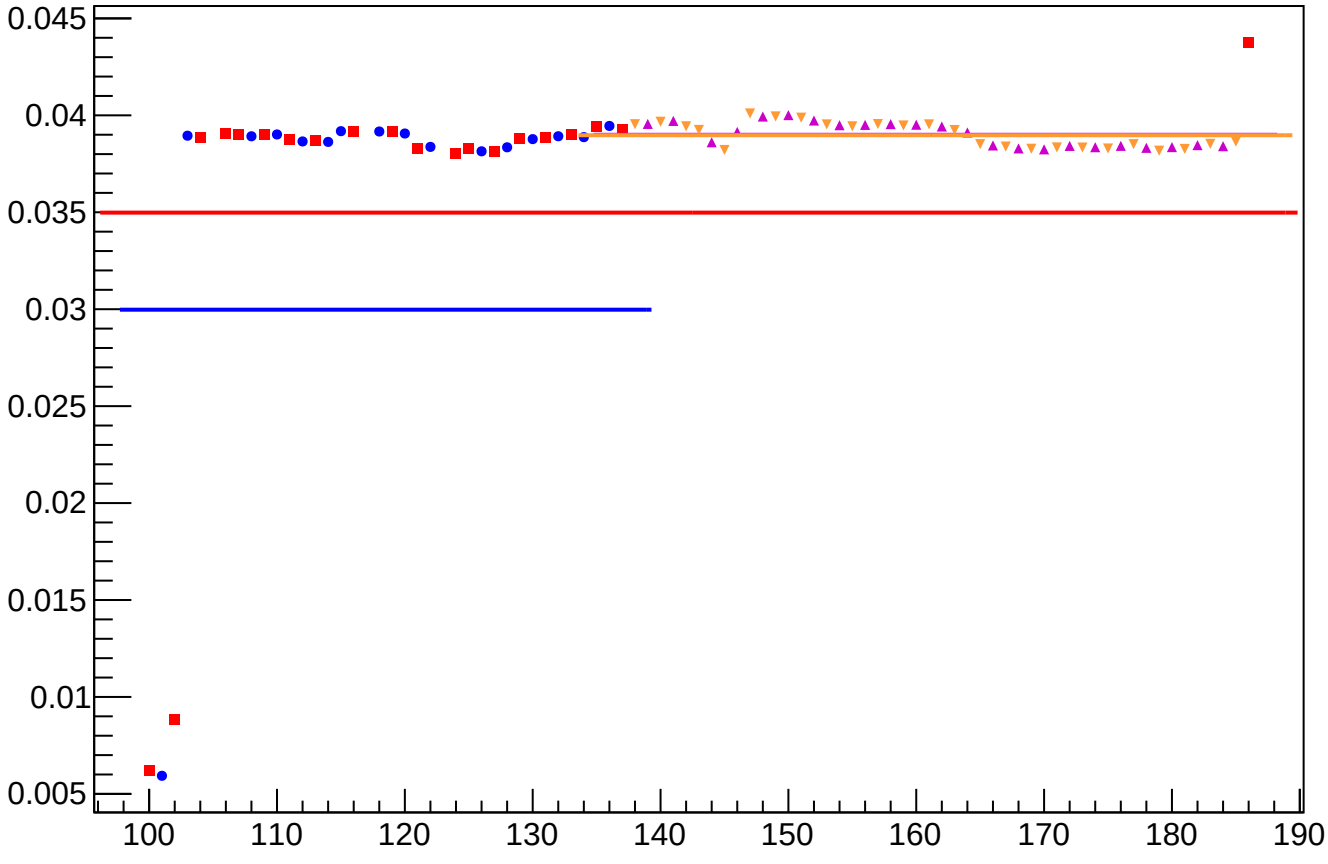
Right Out: 0.000+/-0.000 χ^2/NDF: 6141106.8/19

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 19775017.0/40

All: 0.000+/-0.000 χ^2/NDF: 33096494.6/83

- sign 0.000+/-0.000 χ^2/NDF: 9830881.7/42



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

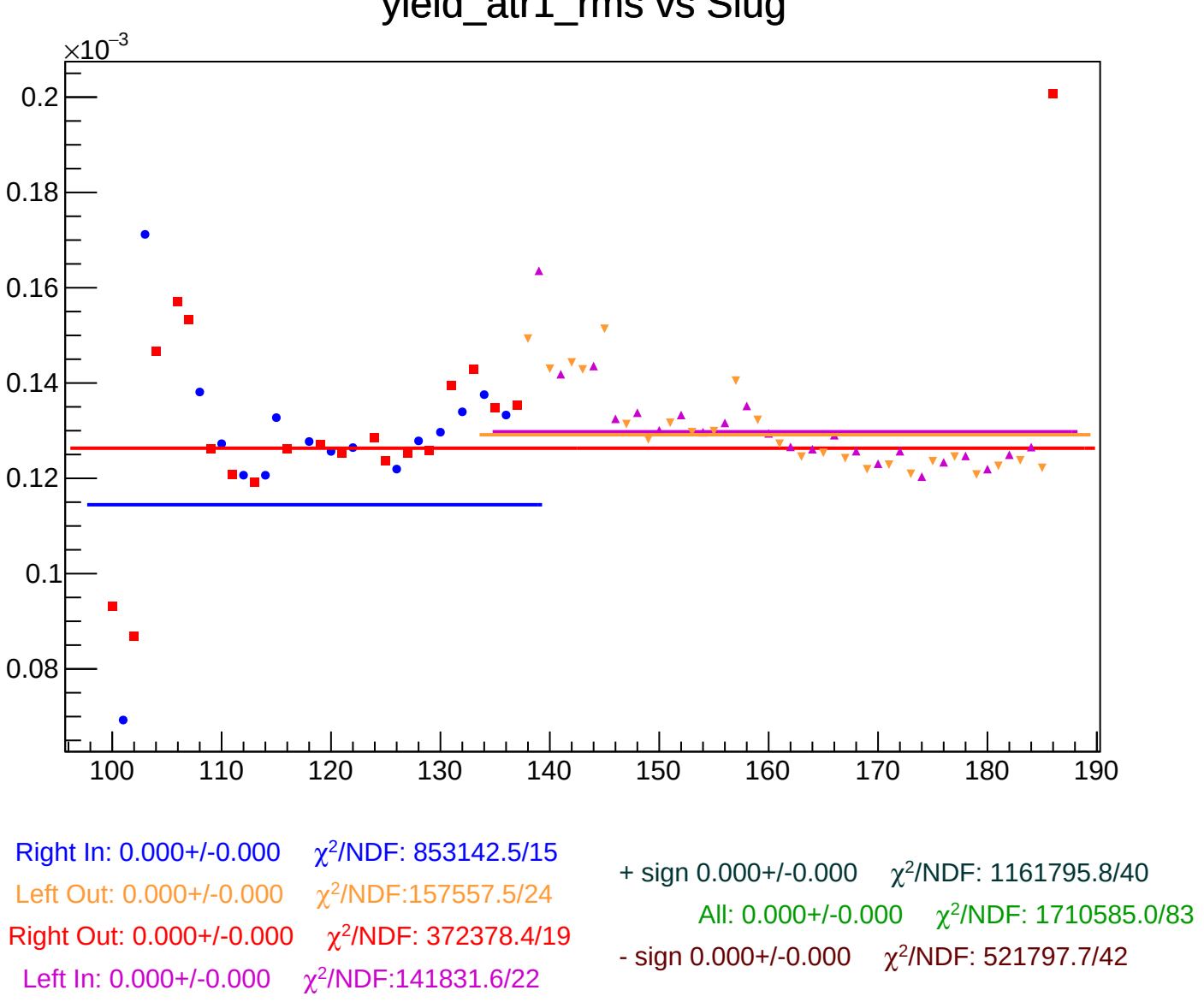
Right Out: 0.035+/-0.000 χ^2/NDF: 48042347092.7/19

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

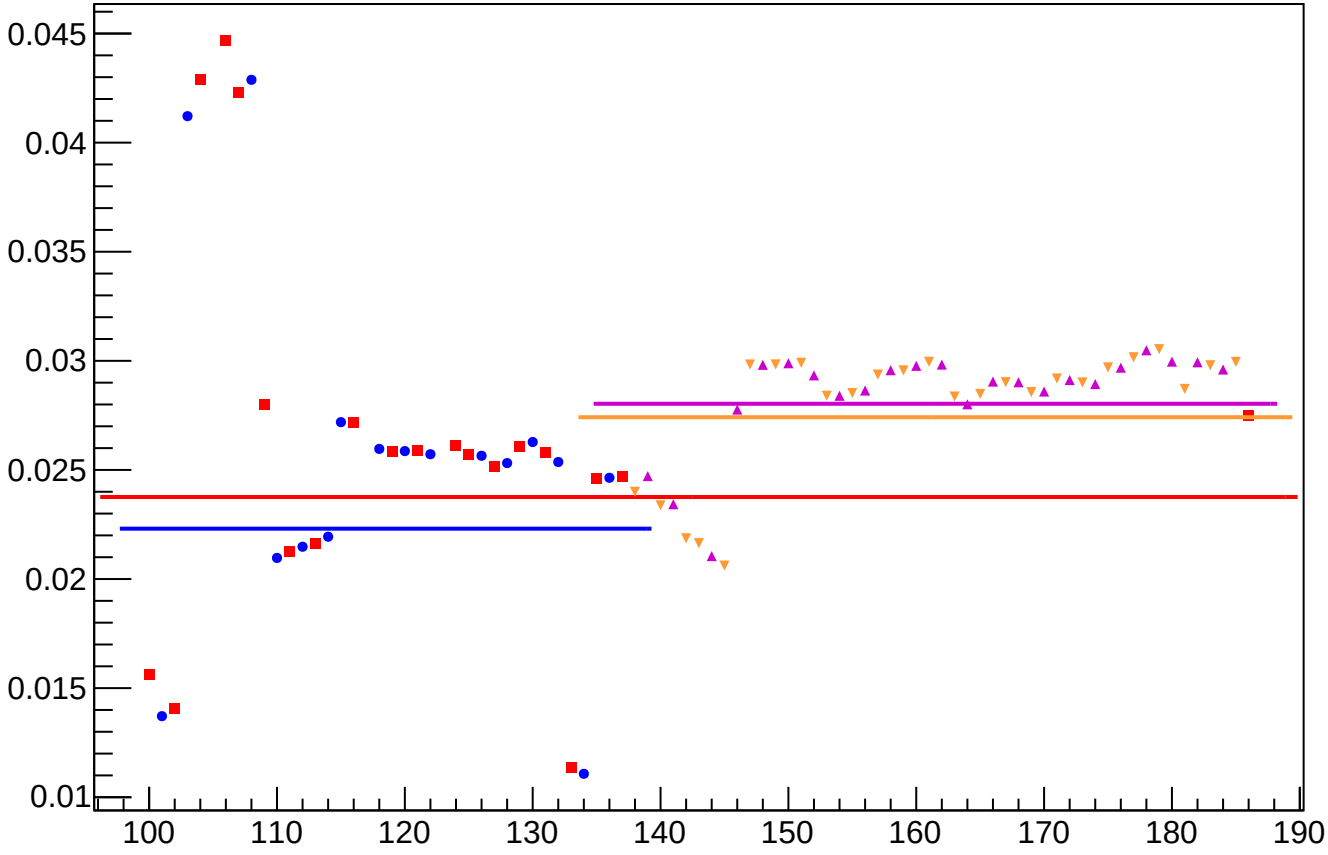
+ sign 0.036+/-0.000 χ^2/NDF: 137113605455.3/40

All: 0.037+/-0.000 χ^2/NDF: 192726985699.5

- sign 0.038+/-0.000 χ^2/NDF: 53589542503.3/42


yield_atr1_rms vs Slug
×10⁻³
0.2
0.18
0.16
0.14
0.12
0.1
0.08
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 853142.5/15
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 372378.4/19
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
+ sign 0.000+/-0.000 χ²/NDF: 1161795.8/40
All: 0.000+/-0.000 χ²/NDF: 1710585.0/83
- sign 0.000+/-0.000 χ²/NDF: 521797.7/42

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

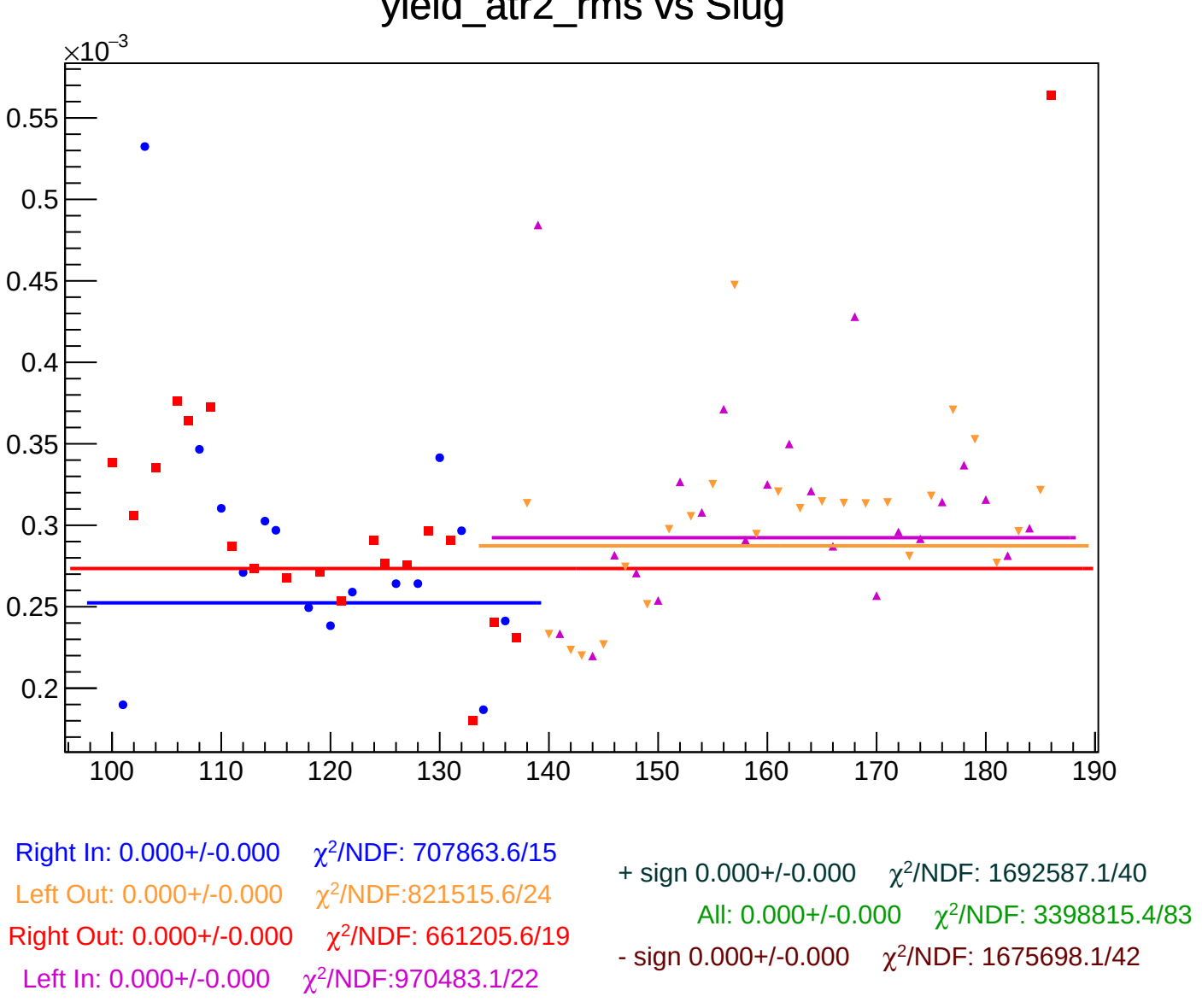
Right Out: 0.024+/-0.000 χ^2/NDF: 5599857920.4/19

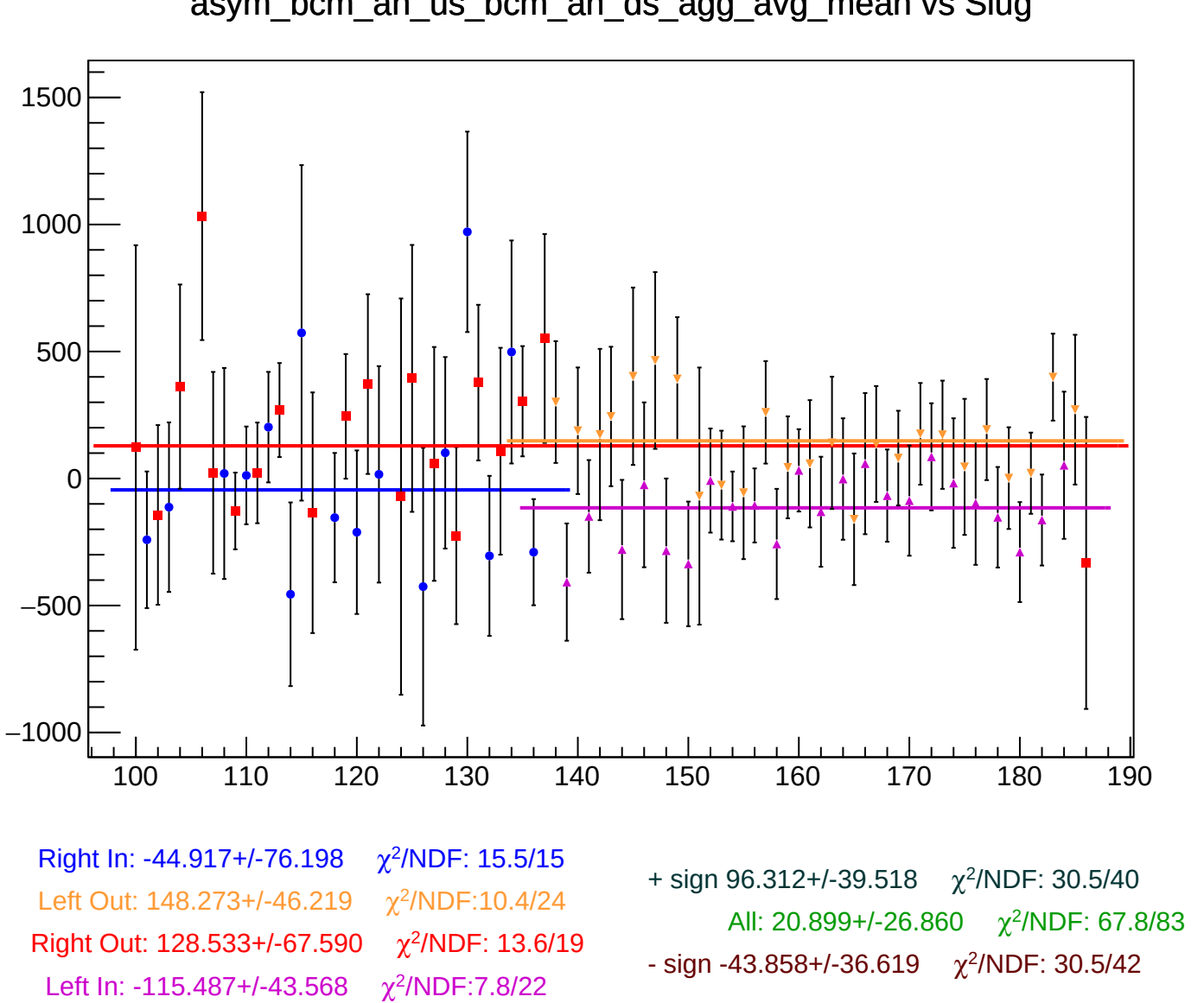
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 8990553397.6/40

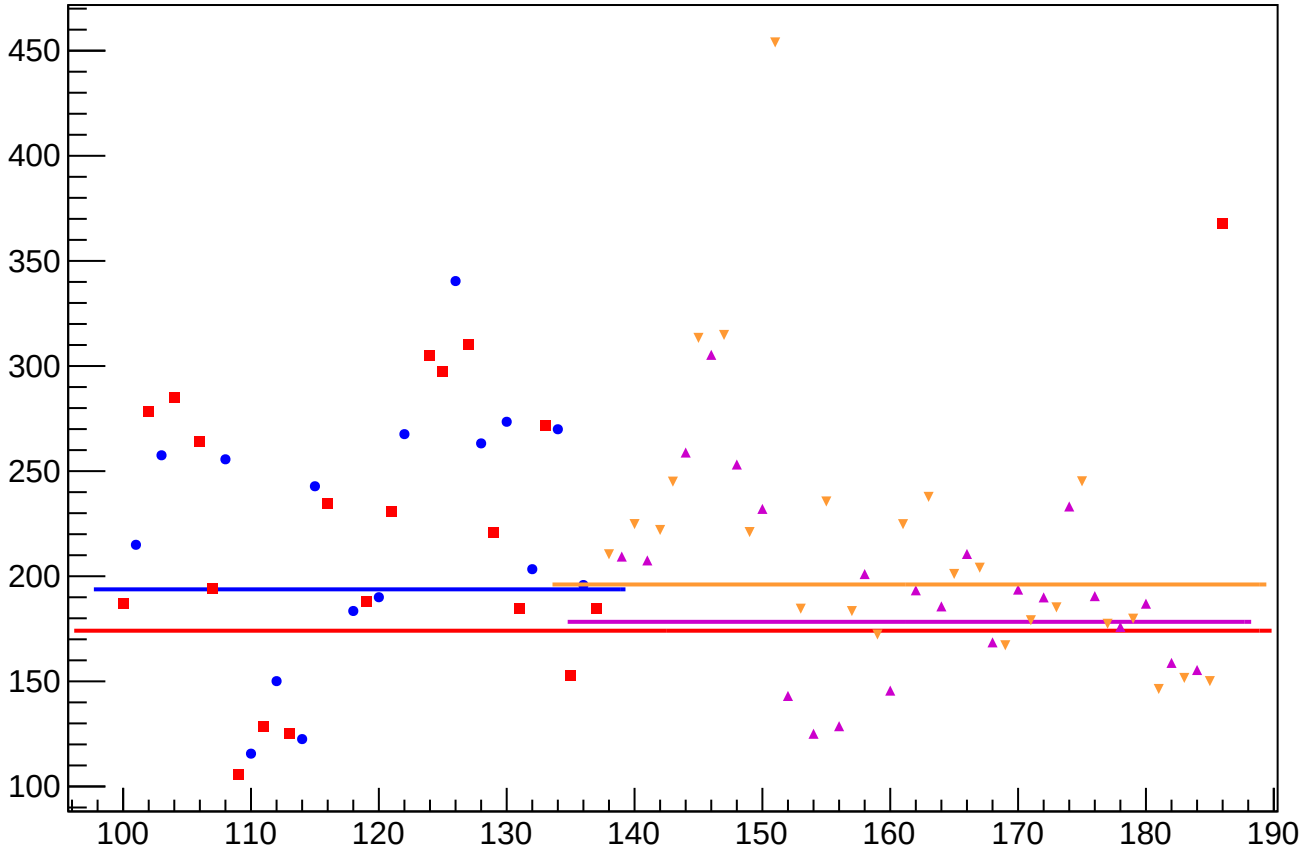
All: 0.026+/-0.000 χ^2/NDF: 17322699064.4/8

- sign 0.027+/-0.000 χ^2/NDF: 8214913949.8/42


yield_atr2_rms vs Slug
×10⁻³
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 707863.6/15
Left Out: 0.000+/-0.000 χ²/NDF:821515.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 661205.6/19
Left In: 0.000+/-0.000 χ²/NDF:970483.1/22
+ sign 0.000+/-0.000 χ²/NDF: 1692587.1/40
All: 0.000+/-0.000 χ²/NDF: 3398815.4/83
- sign 0.000+/-0.000 χ²/NDF: 1675698.1/42


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Right In: -44.917+/-76.198 χ²/NDF: 15.5/15
Left Out: 148.273+/-46.219 χ²/NDF:10.4/24
Right Out: 128.533+/-67.590 χ²/NDF: 13.6/19
Left In: -115.487+/-43.568 χ²/NDF:7.8/22
+ sign 96.312+/-39.518 χ²/NDF: 30.5/40
All: 20.899+/-26.860 χ²/NDF: 67.8/83
- sign -43.858+/-36.619 χ²/NDF: 30.5/42

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

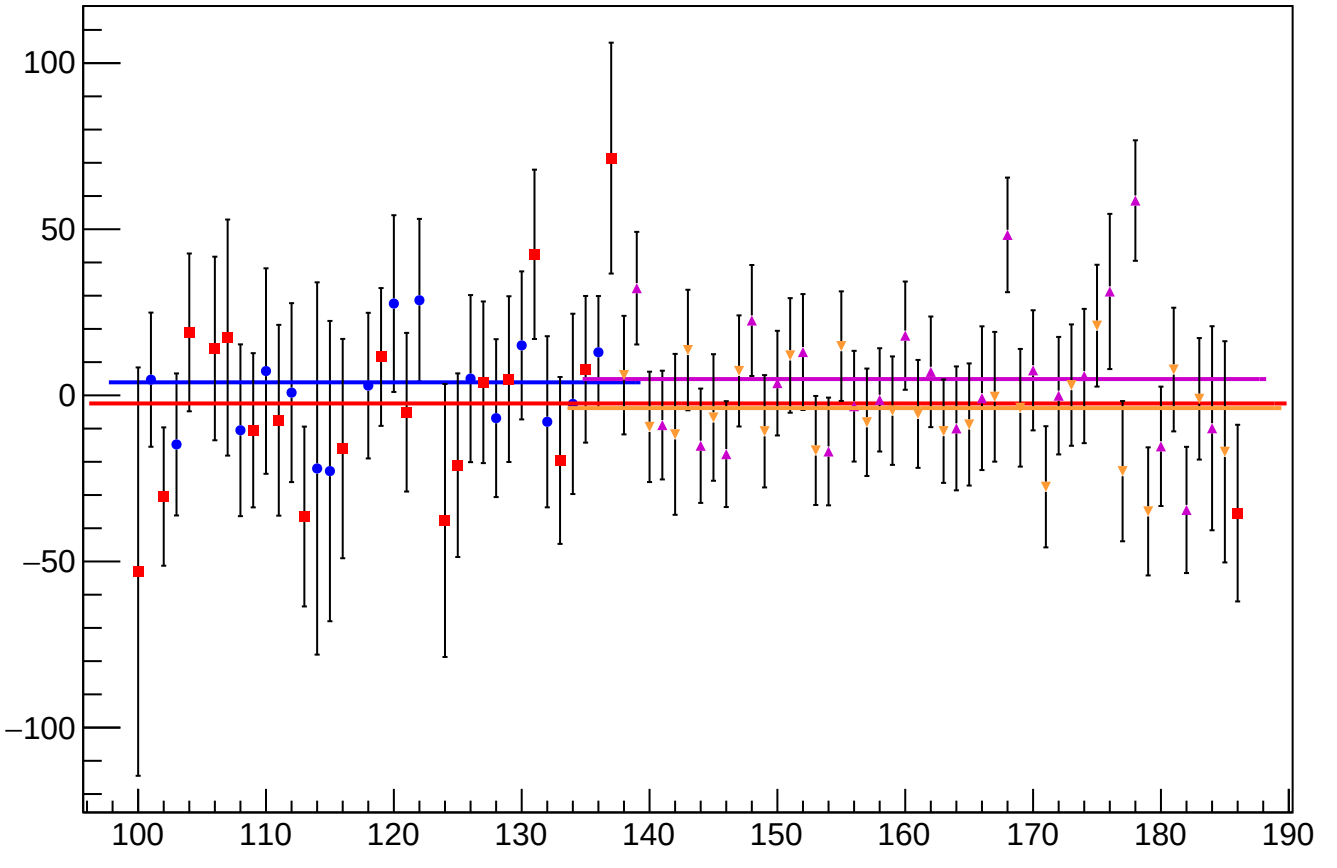
Right Out: 174.094+/-0.048 χ^2/NDF: 1887833.4/19

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 195.463+/-0.028 χ^2/NDF: 2867942.1/40

All: 185.572+/-0.019 χ^2/NDF: 6672521.7/83

- sign 177.078+/-0.026 χ^2/NDF: 3571686.9/42



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

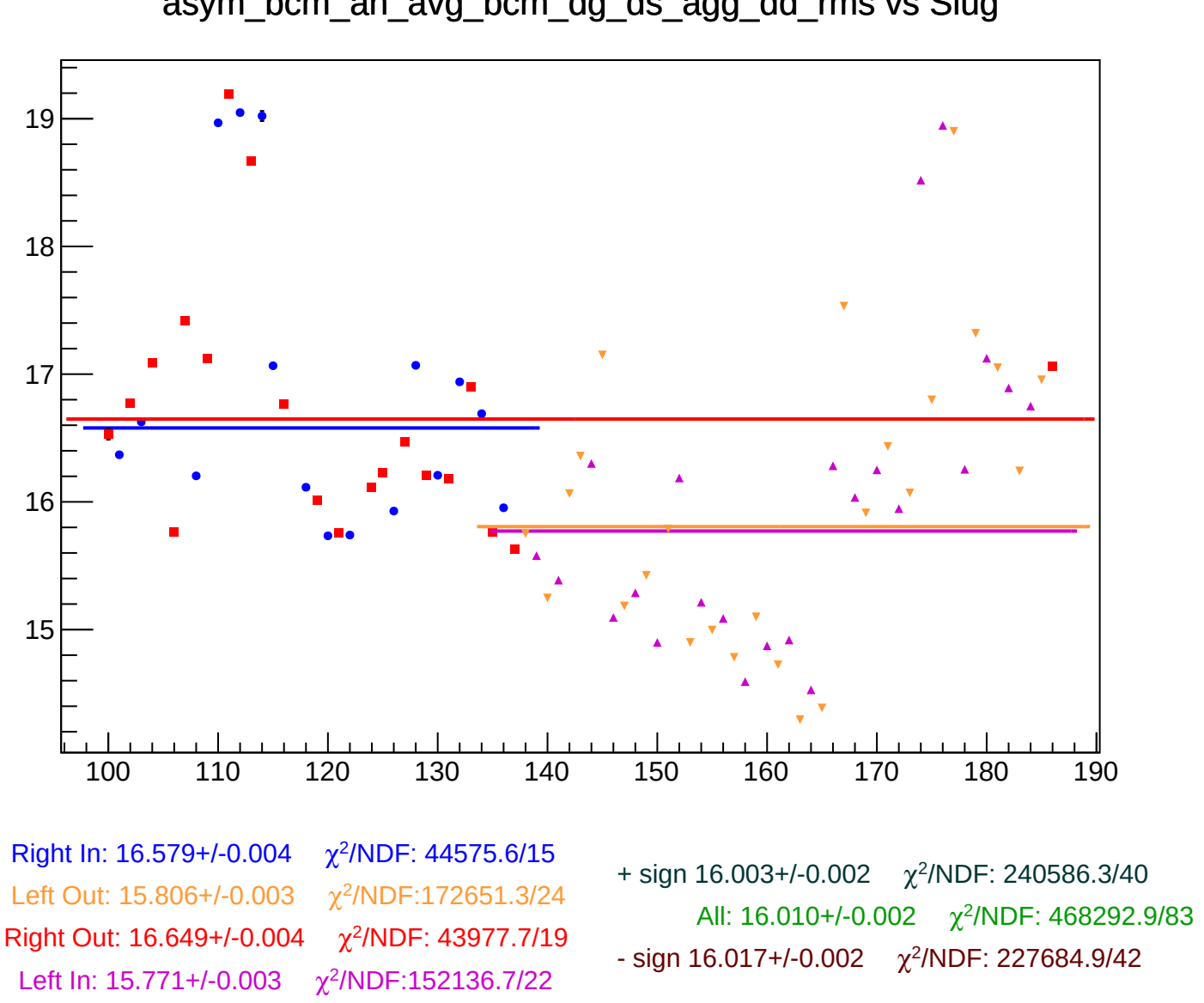
Right Out: -2.438+/-5.924 χ^2/NDF: 17.5/19

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

+ sign -1.863+/-3.111 χ^2/NDF: 18.5/40

All: 0.474+/-2.208 χ^2/NDF: 72.2/83

- sign 2.847+/-3.135 χ^2/NDF: 52.5/42



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

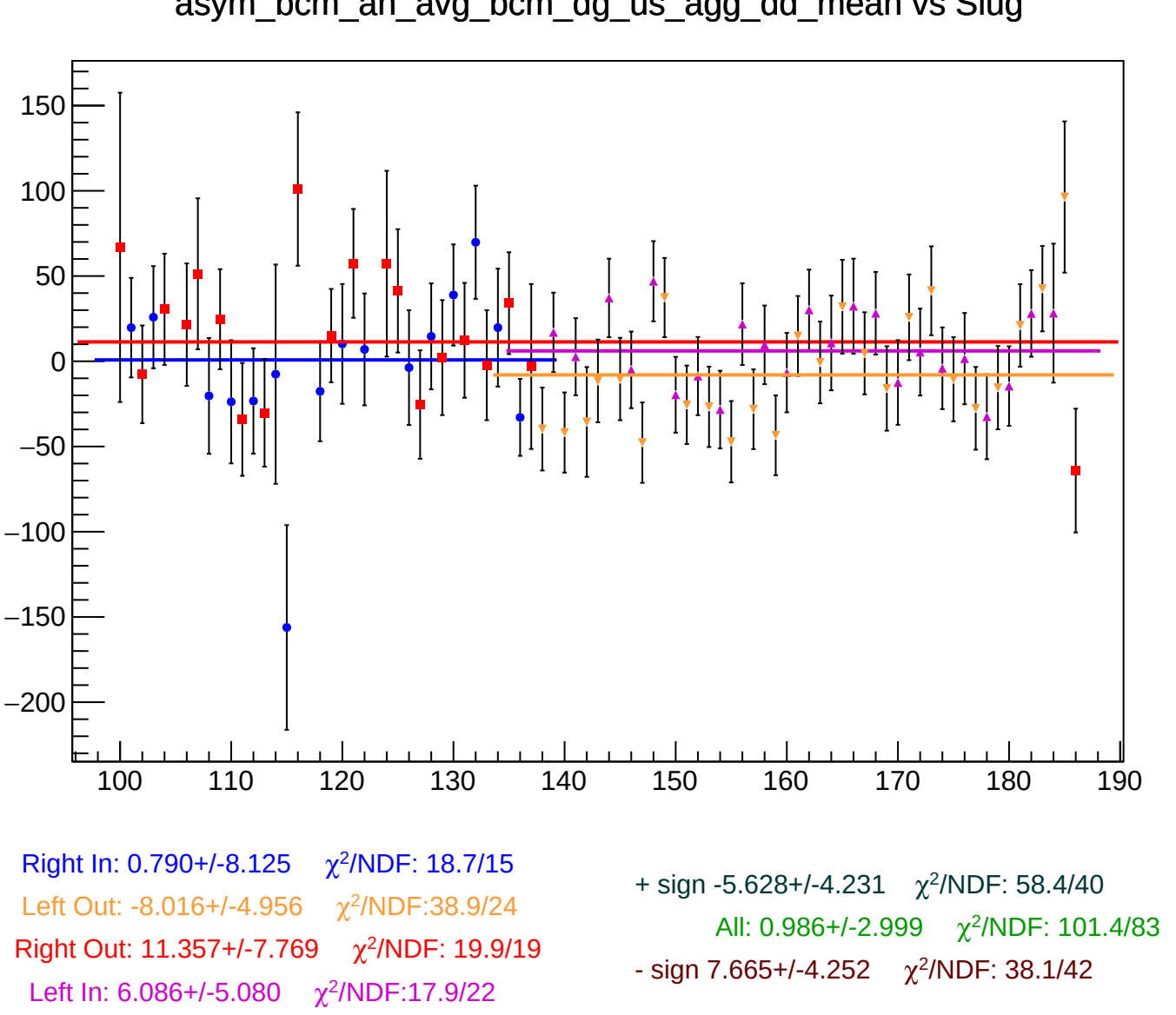
Right Out: 16.649+/-0.004 χ^2/NDF: 43977.7/19

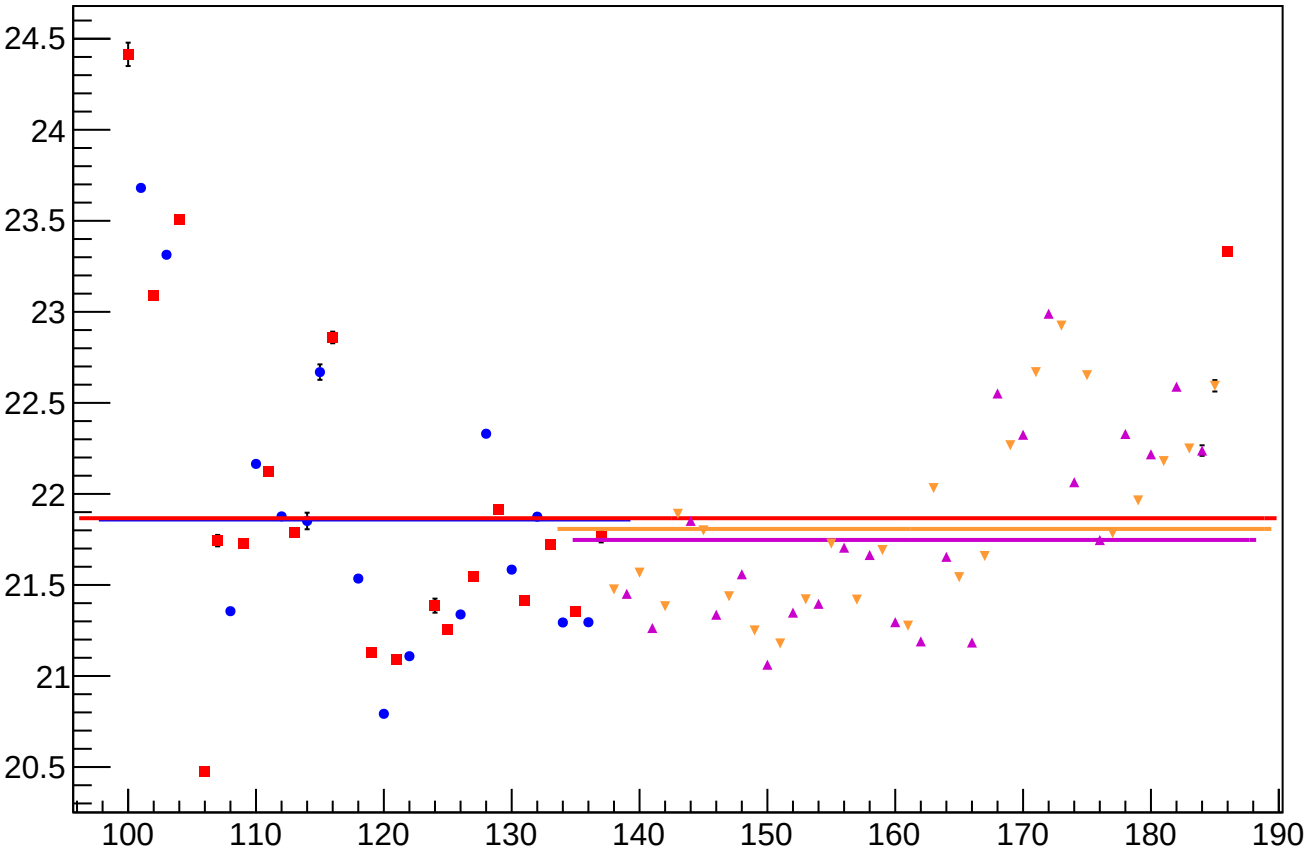
Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

+ sign 16.003+/-0.002 χ^2/NDF: 240586.3/40

All: 16.010+/-0.002 χ^2/NDF: 468292.9/83

- sign 16.017+/-0.002 χ^2/NDF: 227684.9/42


asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug
150
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
190
Right In: 0.790+/-8.125 χ²/NDF: 18.7/15
Left Out: -8.016+/-4.956 χ²/NDF:38.9/24
Right Out: 11.357+/-7.769 χ²/NDF: 19.9/19
Left In: 6.086+/-5.080 χ²/NDF:17.9/22
+ sign -5.628+/-4.231 χ²/NDF: 58.4/40
All: 0.986+/-2.999 χ²/NDF: 101.4/83
- sign 7.665+/-4.252 χ²/NDF: 38.1/42



Right In: 21.860+/-0.006 χ^2/NDF: 19468.1/15

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

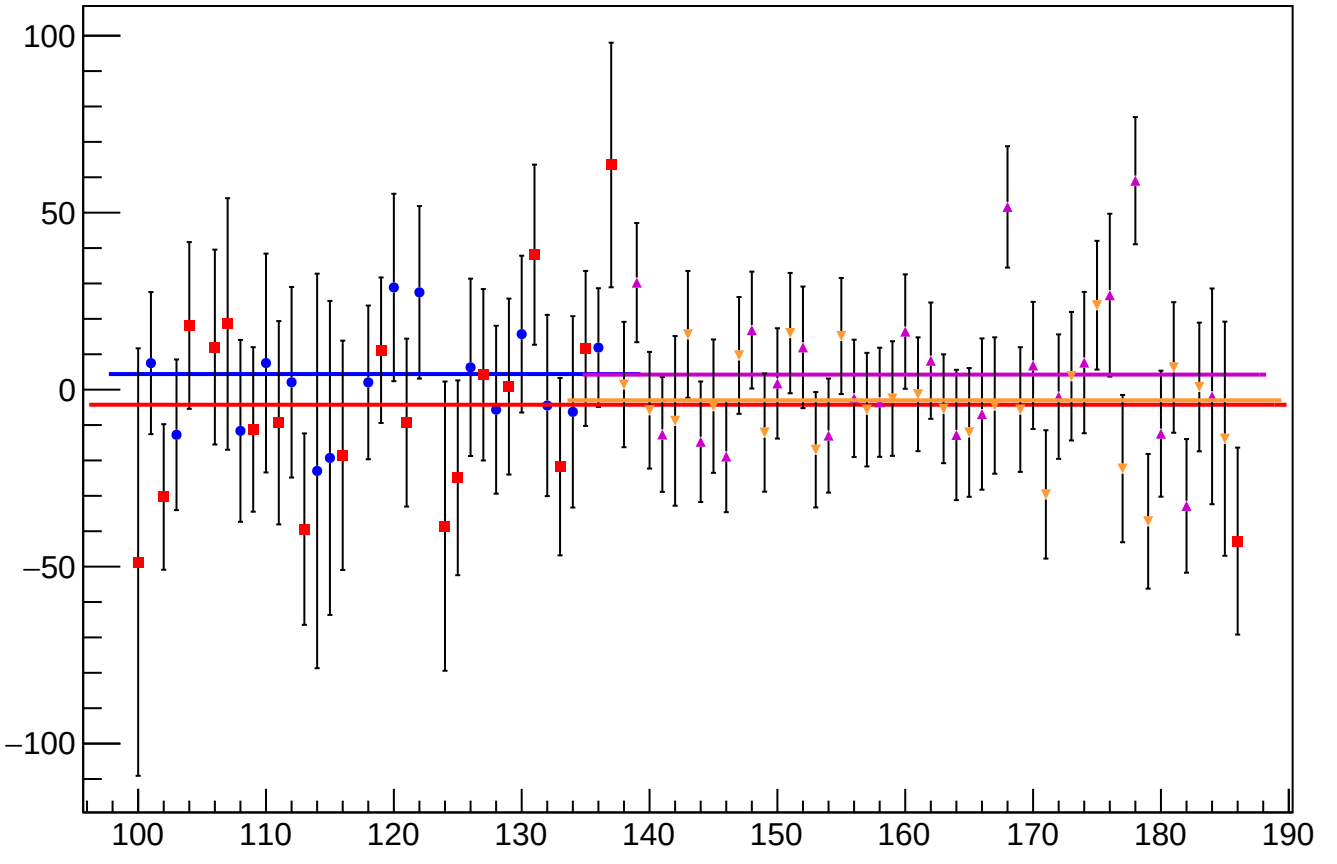
Right Out: 21.867+/-0.005 χ^2/NDF: 22273.8/19

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.822+/-0.003 χ^2/NDF: 37088.5/40

All: 21.802+/-0.002 χ^2/NDF: 80336.8/83

- sign 21.783+/-0.003 χ^2/NDF: 43164.8/42



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

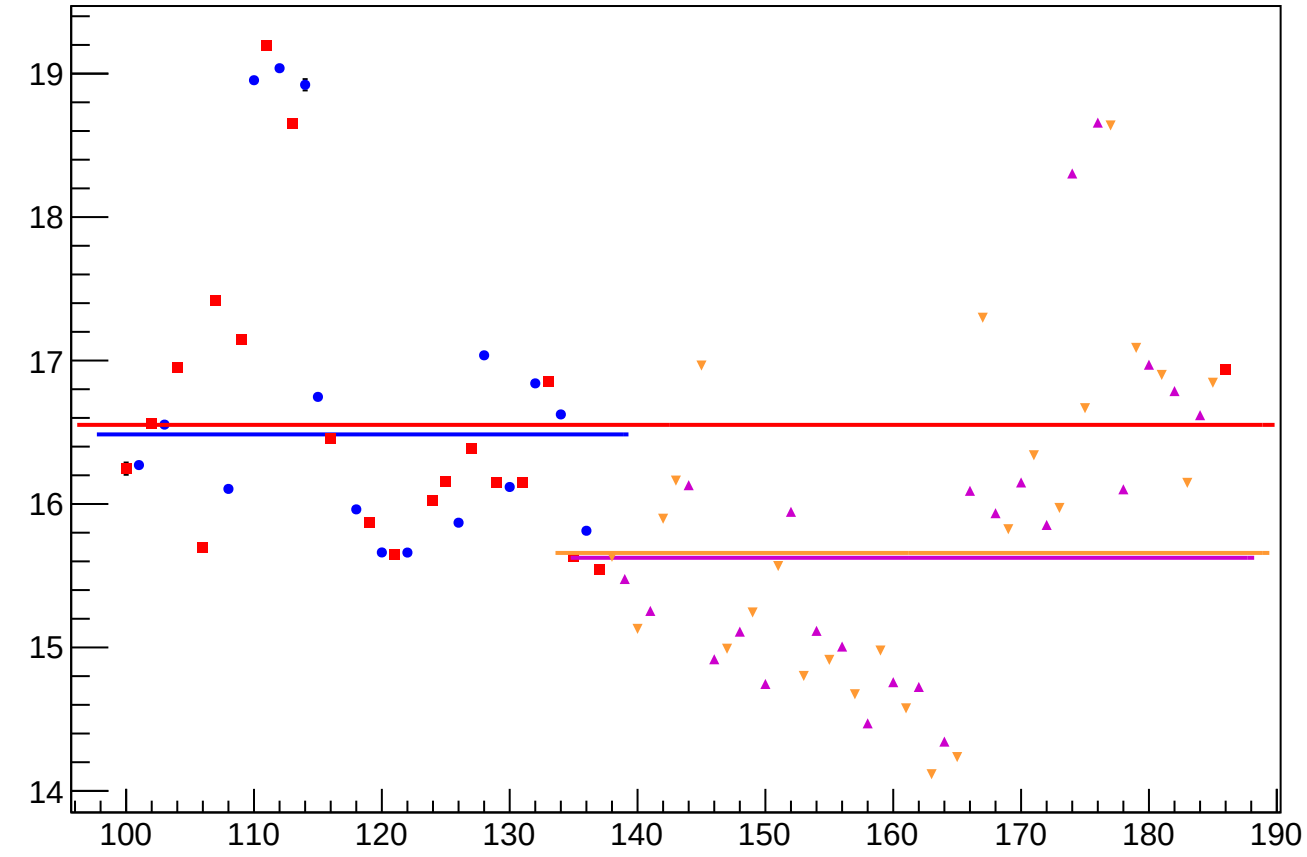
Right Out: -4.260+/-5.890 χ^2/NDF: 17.6/19

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign -1.131+/-3.085 χ^2/NDF: 20.0/40

All: 0.362+/-2.190 χ^2/NDF: 73.5/83

- sign 1.878+/-3.109 χ^2/NDF: 53.0/42



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

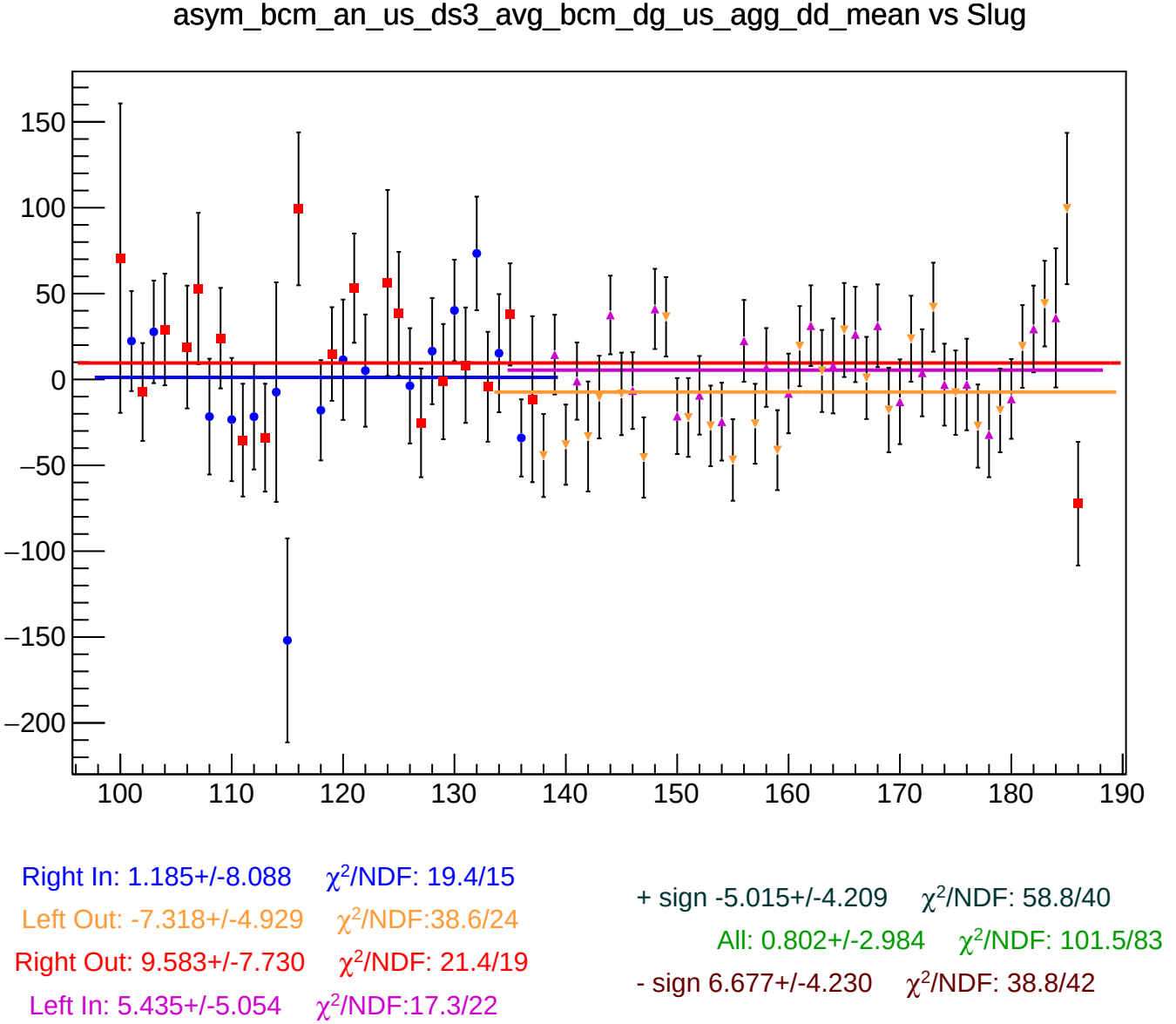
Right Out: 16.552+/-0.004 χ^2/NDF: 46926.8/19

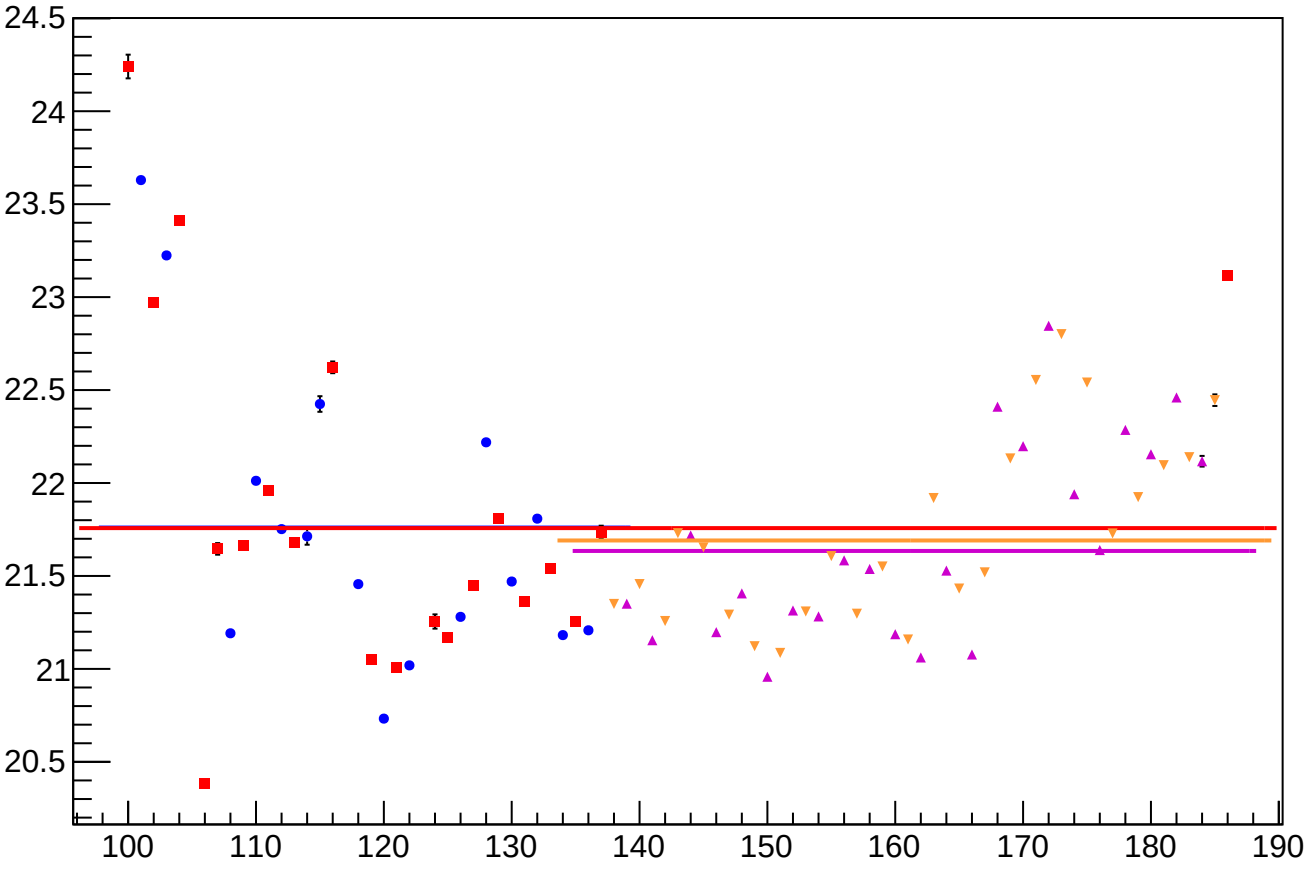
Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

+ sign 15.868+/-0.002 χ^2/NDF: 244110.9/40

All: 15.875+/-0.002 χ^2/NDF: 477194.1/83

- sign 15.883+/-0.002 χ^2/NDF: 233058.2/42


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug
150
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
190
Right In: 1.185+/-8.088 χ²/NDF: 19.4/15
Left Out: -7.318+/-4.929 χ²/NDF:38.6/24
Right Out: 9.583+/-7.730 χ²/NDF: 21.4/19
Left In: 5.435+/-5.054 χ²/NDF:17.3/22
+ sign -5.015+/-4.209 χ²/NDF: 58.8/40
All: 0.802+/-2.984 χ²/NDF: 101.5/83
- sign 6.677+/-4.230 χ²/NDF: 38.8/42



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.757+/-0.005 χ^2/NDF: 21322.2/19

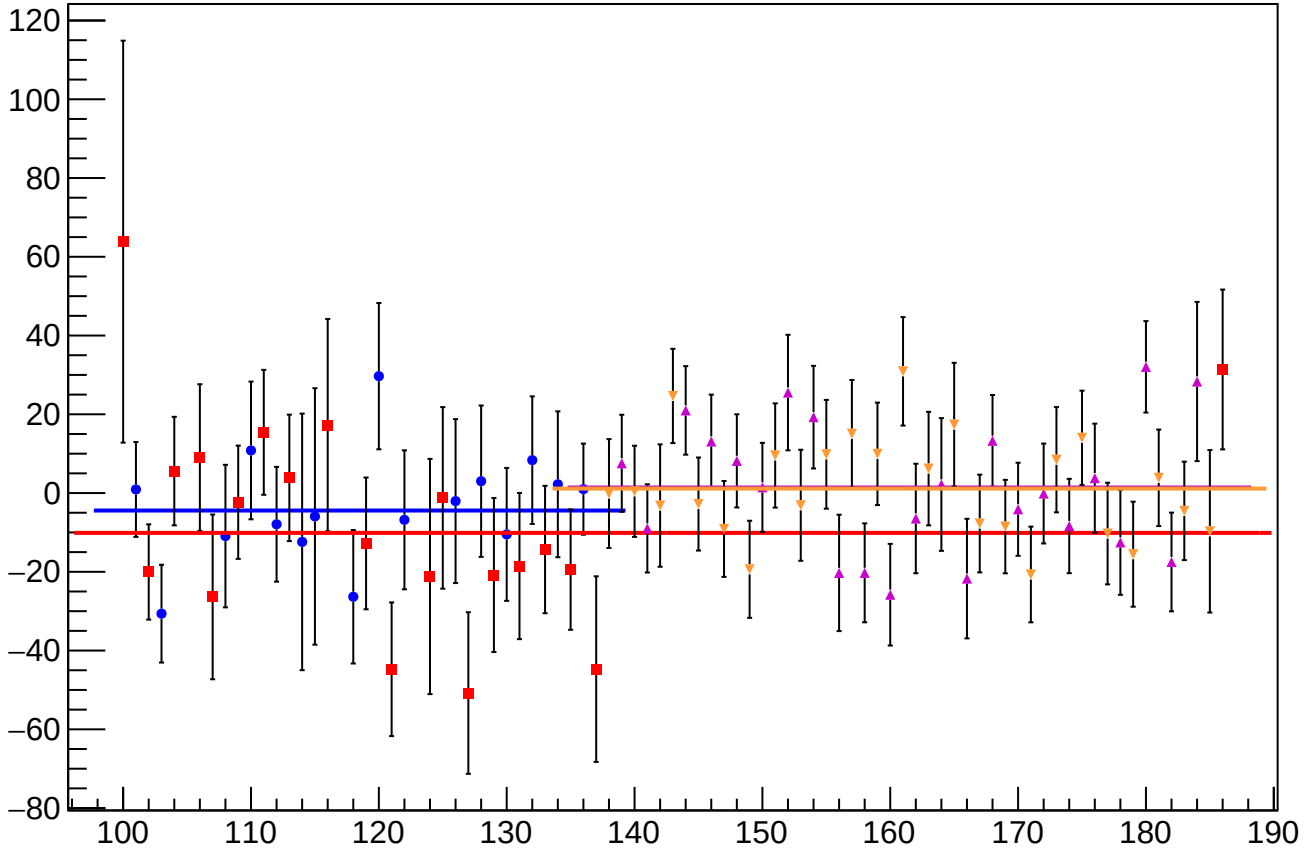
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

\+ sign 21.710+/-0.003 χ^2/NDF: 37787.9/40

All: 21.691+/-0.002 χ^2/NDF: 80108.1/83

\- 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: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

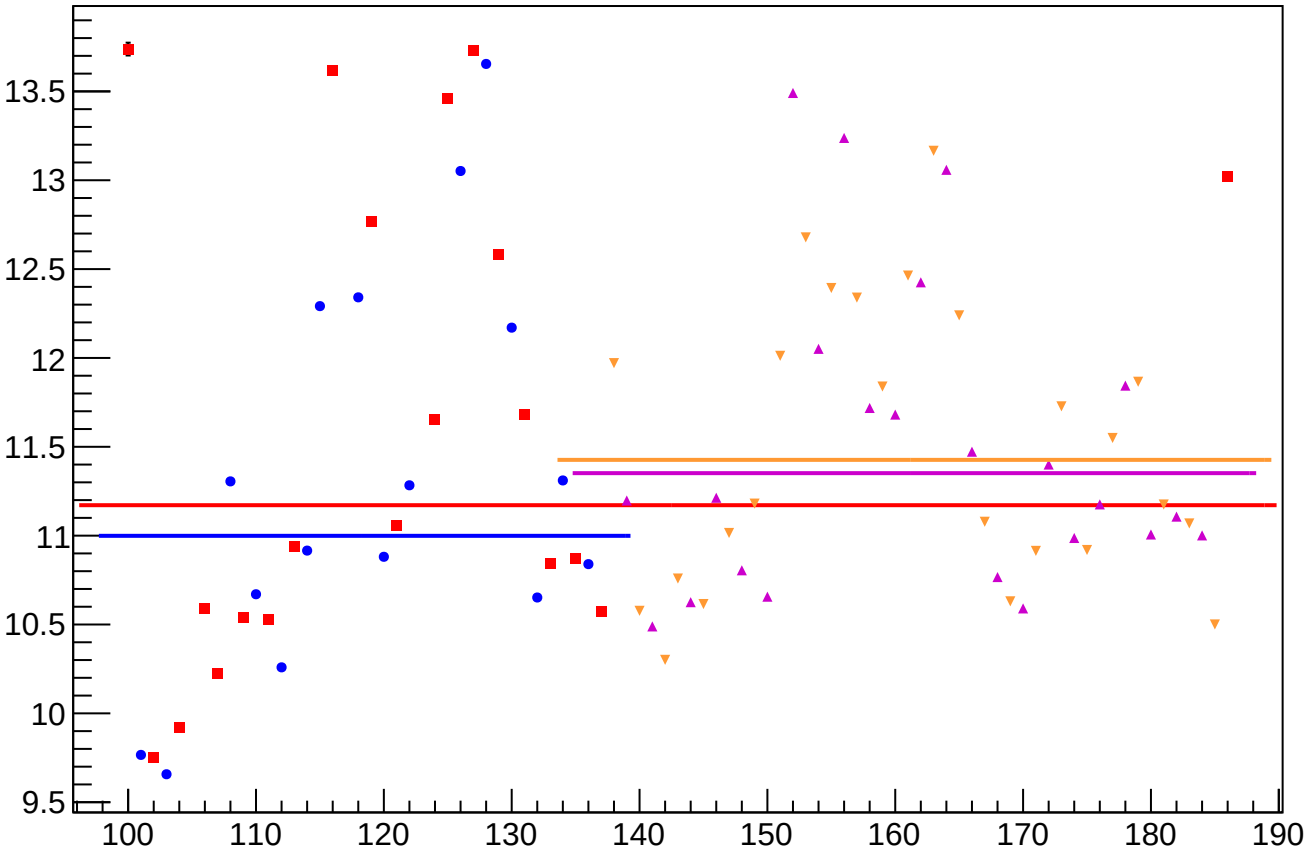
Right Out: -10.115+/-4.016 χ^2/NDF: 26.1/19

Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.462+/-2.212 χ^2/NDF: 37.8/40

All: -1.292+/-1.569 χ^2/NDF: 106.2/83

- sign -2.132+/-2.226 χ^2/NDF: 68.1/42



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

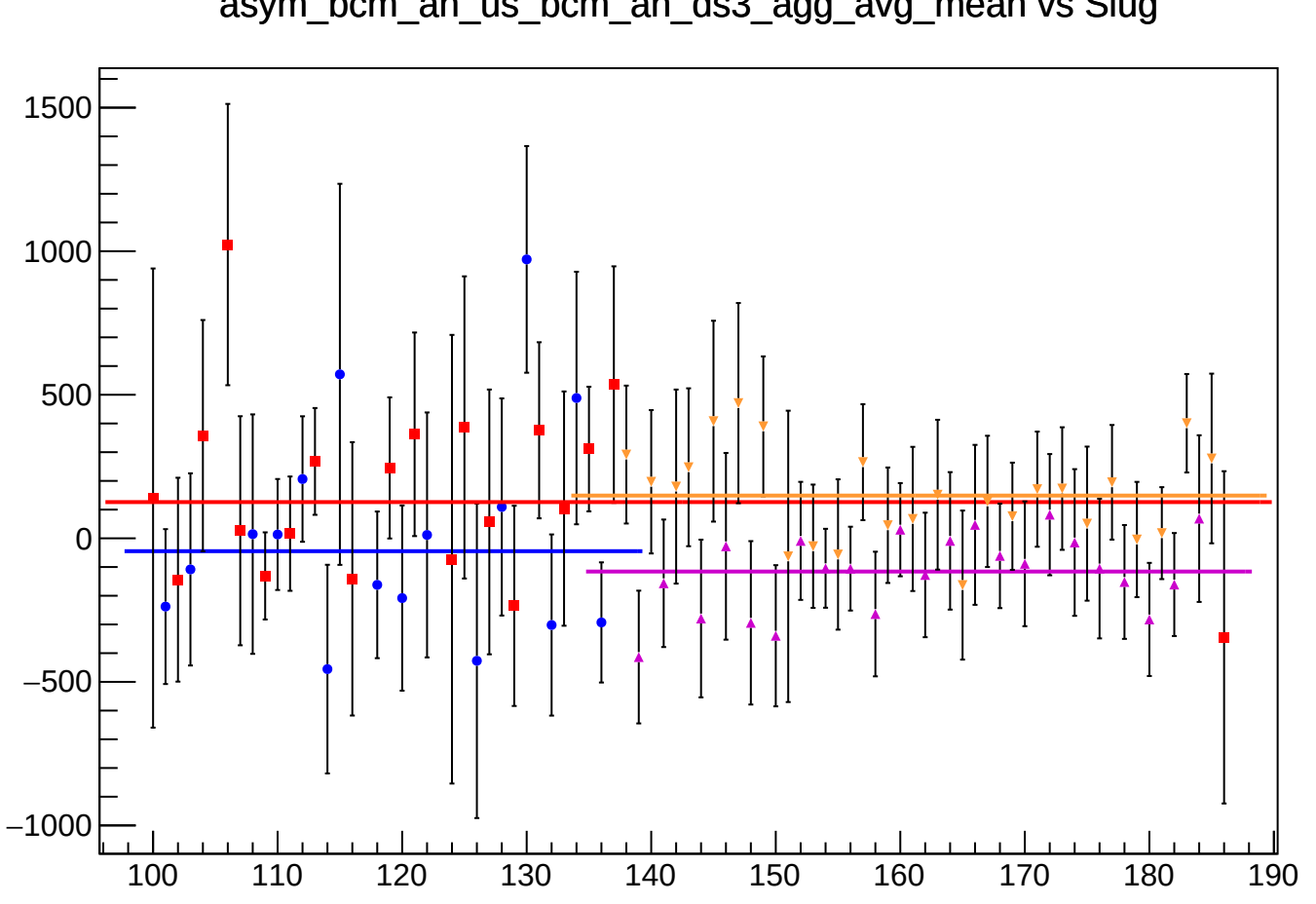
Right Out: 11.171+/-0.003 χ^2/NDF: 180220.0/19

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.304+/-0.002 χ^2/NDF: 308404.7/40

All: 11.300+/-0.001 χ^2/NDF: 661993.2/83

- sign 11.296+/-0.002 χ^2/NDF: 353576.9/42



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

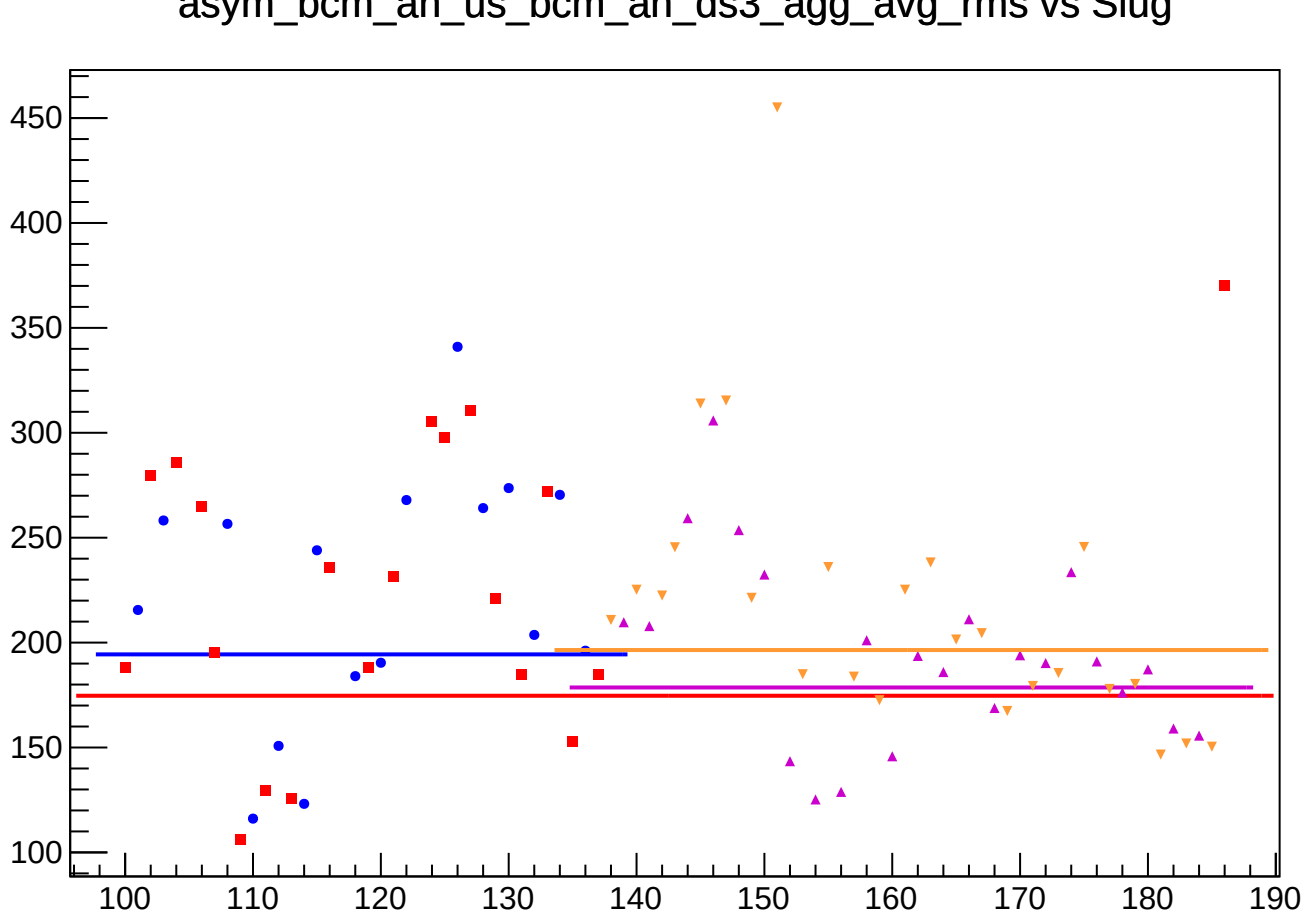
Right Out: 126.172+/-67.799 χ^2/NDF: 13.5/19

Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 96.888+/-39.604 χ^2/NDF: 30.6/40

All: 20.625+/-26.917 χ^2/NDF: 67.8/83

- sign -44.851+/-36.696 χ^2/NDF: 30.3/42



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 174.668+/-0.048 χ^2/NDF: 1882423.0/19

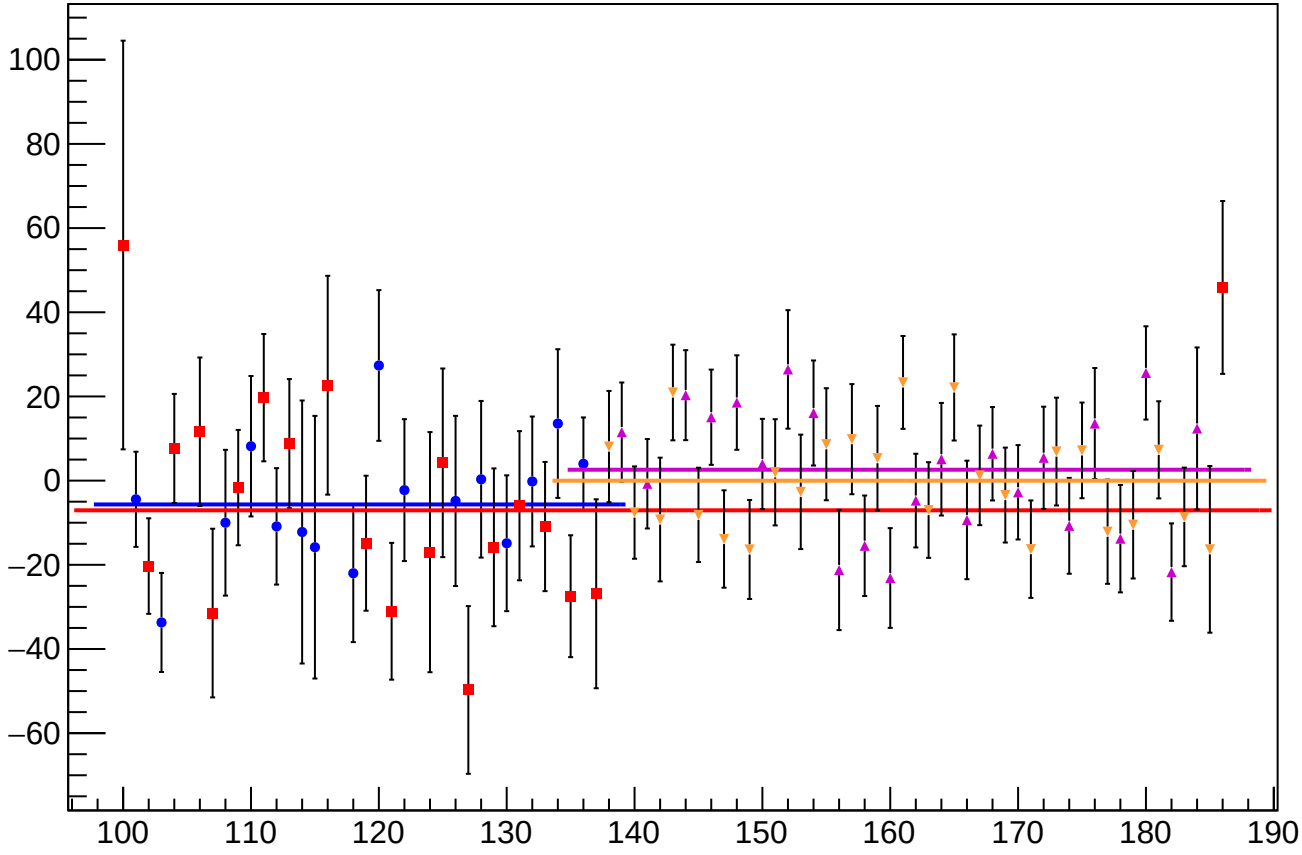
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 195.899+/-0.028 χ^2/NDF: 2861842.7/40

All: 185.977+/-0.019 χ^2/NDF: 6661230.4/83

- sign 177.458+/-0.026 χ^2/NDF: 3566073.3/42

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -7.049+/-3.832 χ^2/NDF: 29.7/19

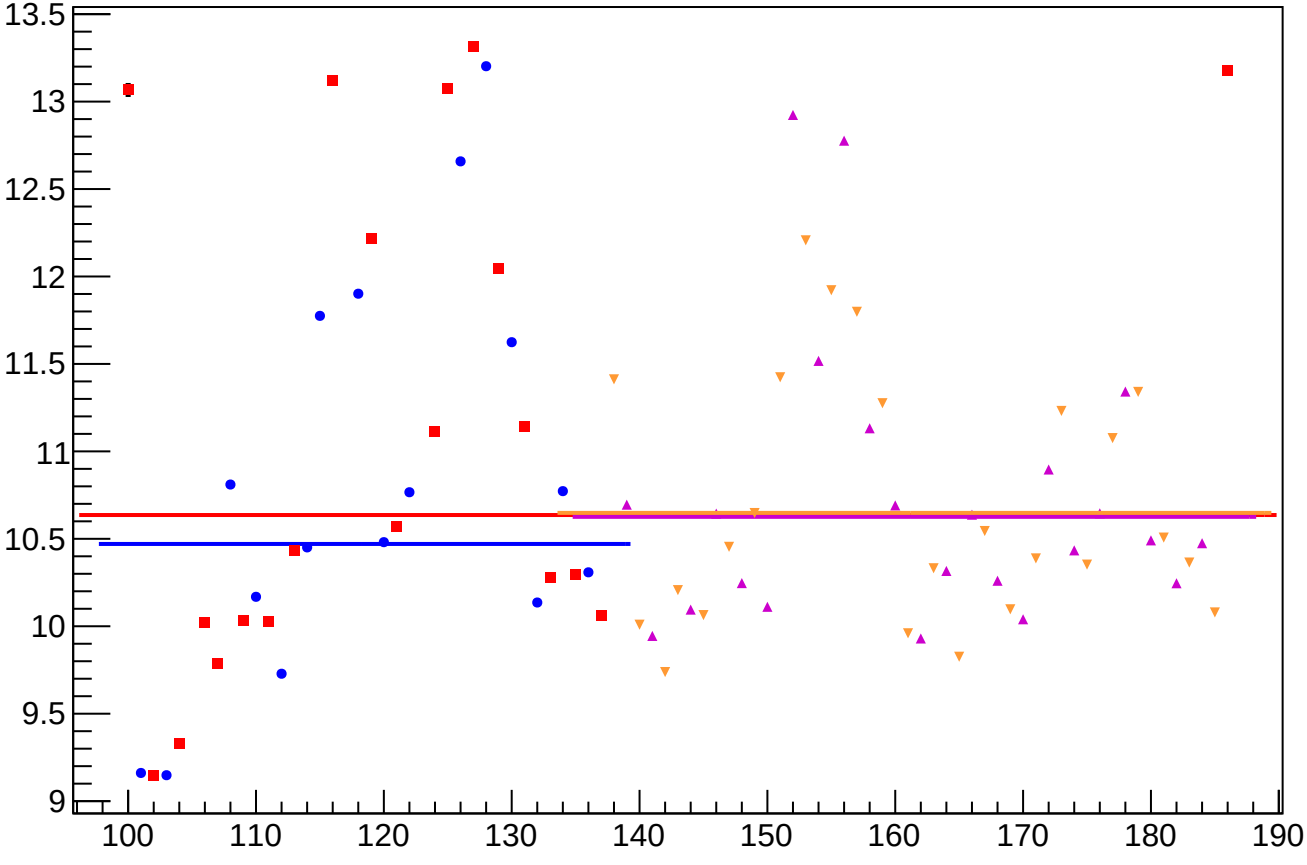
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.586+/-2.077 χ^2/NDF: 38.9/40

All: -0.947+/-1.476 χ^2/NDF: 108.0/83

- sign -0.296+/-2.097 χ^2/NDF: 68.9/42

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.636+/-0.003 χ^2/NDF: 218500.5/19

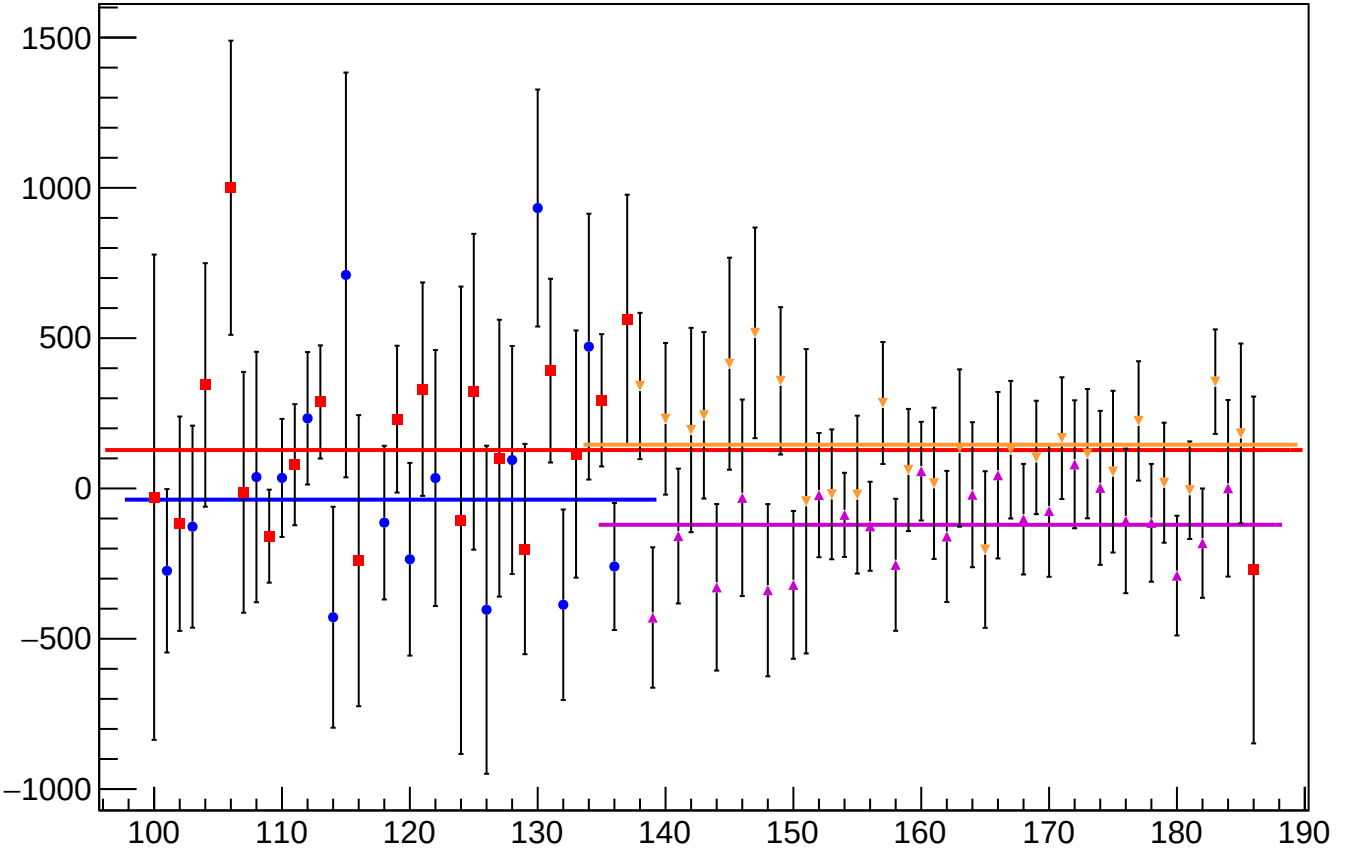
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.599+/-0.001 χ^2/NDF: 303838.5/40

All: 10.614+/-0.001 χ^2/NDF: 682098.0/83

- sign 10.629+/-0.001 χ^2/NDF: 378054.0/42

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

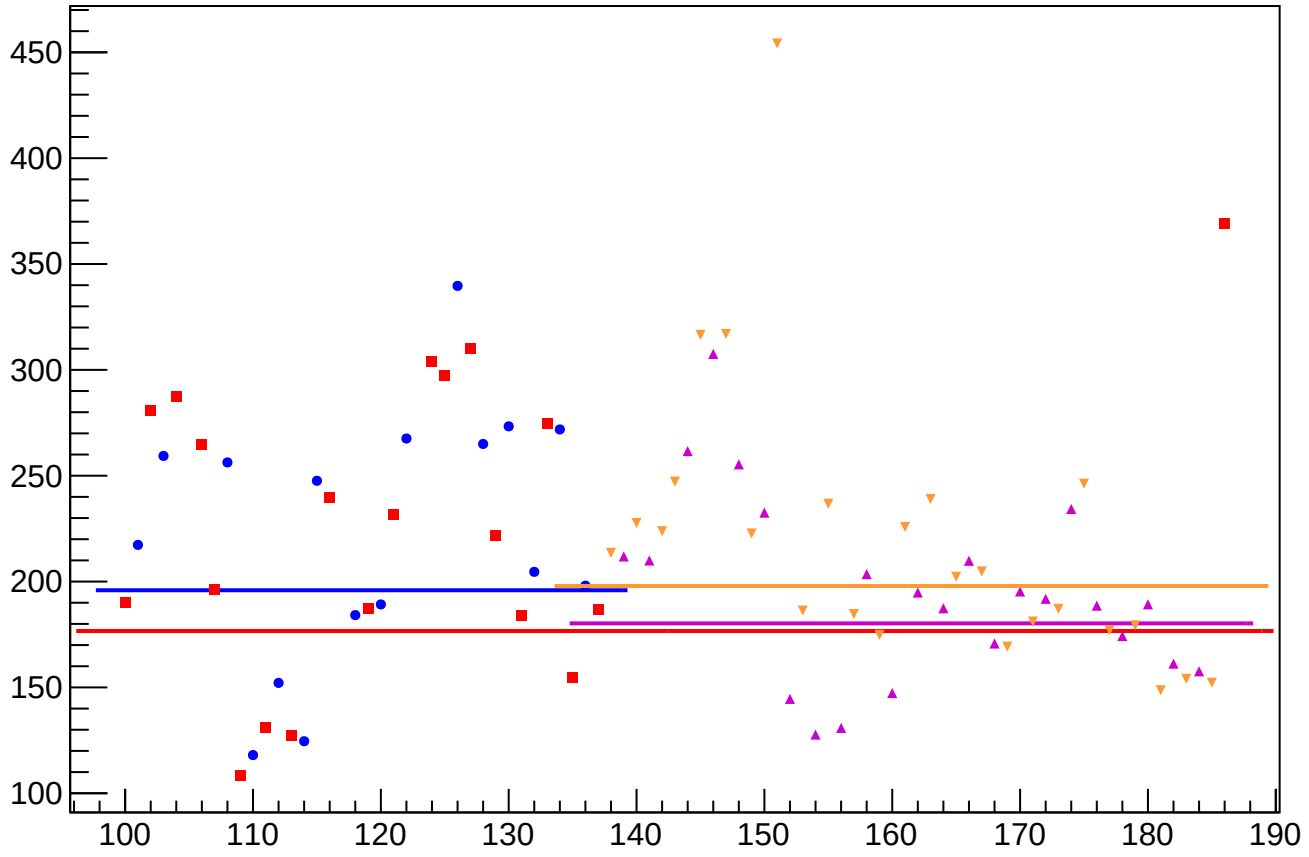
Right Out: 127.699+/-68.399 χ^2/NDF: 13.4/19

Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 96.445+/-39.864 χ^2/NDF: 30.1/40

All: 18.774+/-27.119 χ^2/NDF: 68.1/83

- sign -48.142+/-37.001 χ^2/NDF: 31.0/42



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

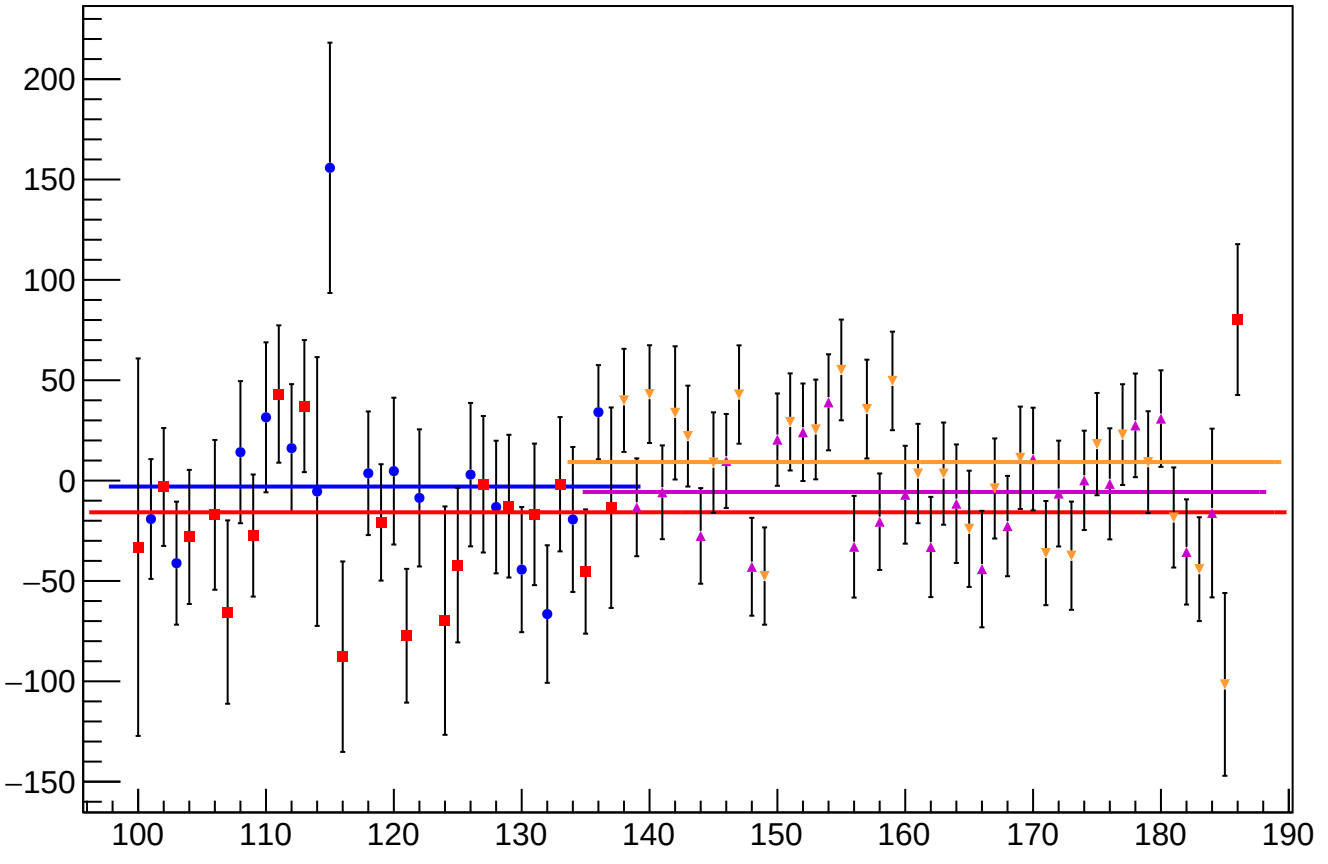
Right Out: 176.643+/-0.048 χ^2/NDF: 1824926.2/19

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 197.356+/-0.028 χ^2/NDF: 2800841.3/40

All: 187.599+/-0.019 χ^2/NDF: 6480501.2/83

- sign 179.193+/-0.026 χ^2/NDF: 3456633.4/42



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -15.784+/-8.097 χ^2/NDF: 22.1/19

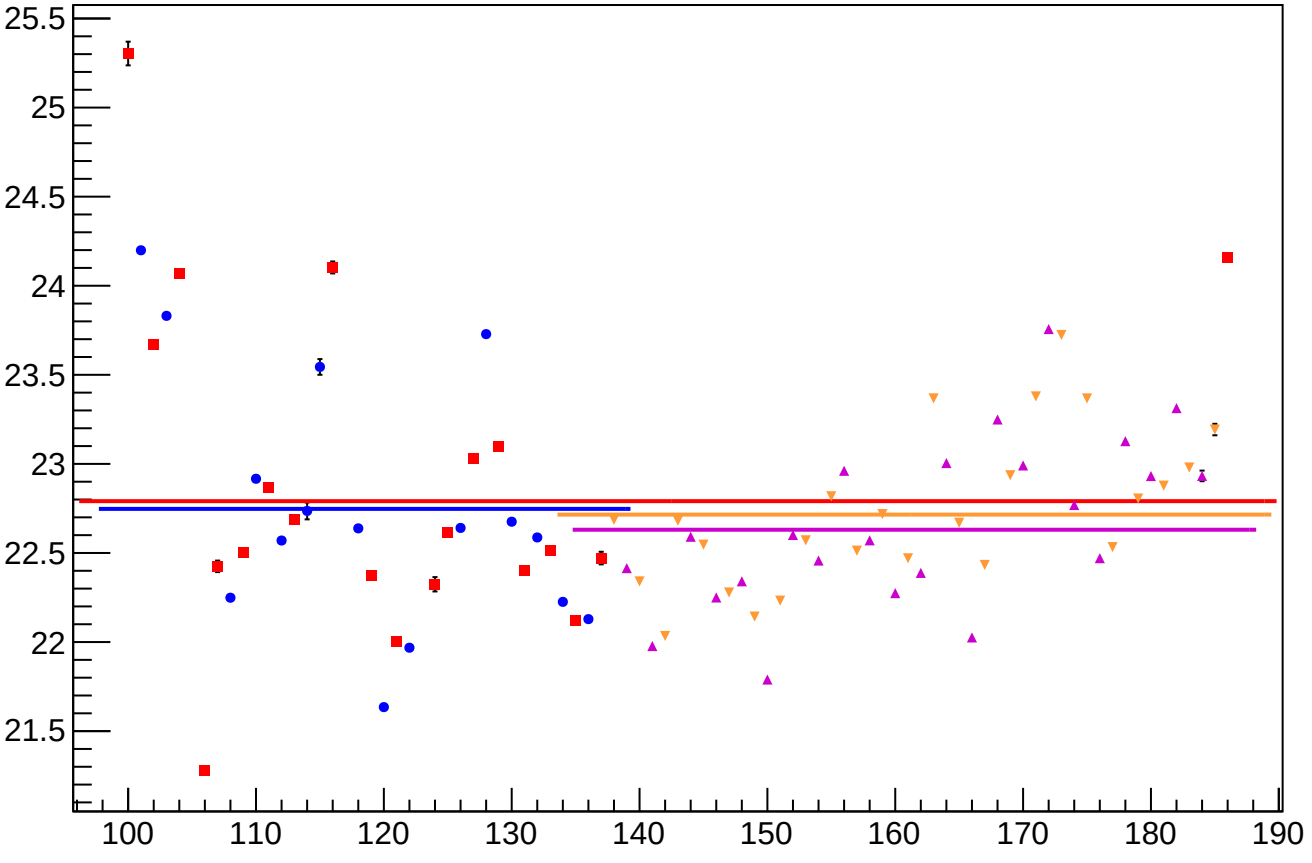
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 5.920+/-4.406 χ^2/NDF: 58.9/40

All: -1.351+/-3.123 χ^2/NDF: 108.4/83

- 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: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

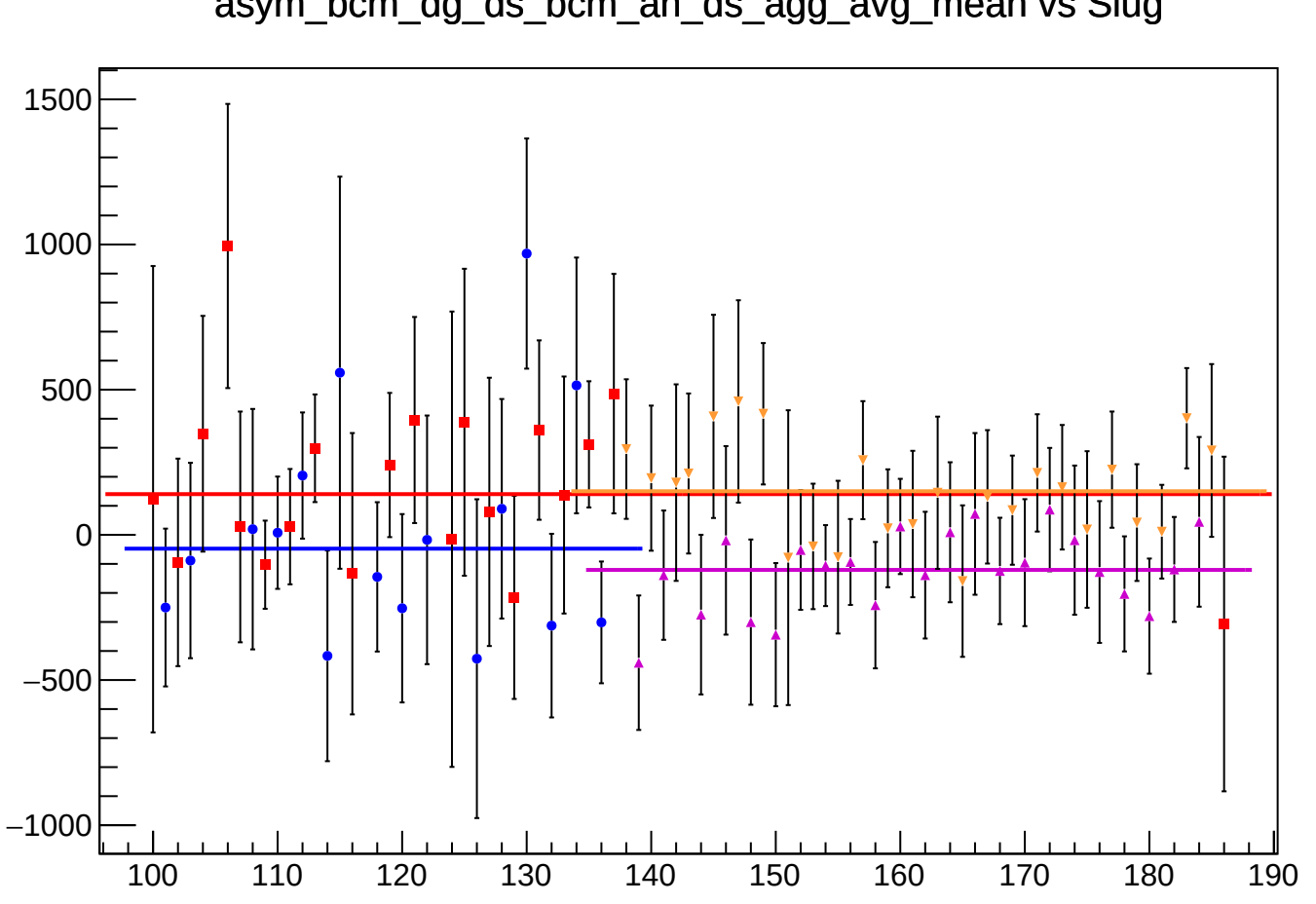
Right Out: 22.791+/-0.006 χ^2/NDF: 17272.5/19

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.724+/-0.003 χ^2/NDF: 26825.1/40

All: 22.701+/-0.002 χ^2/NDF: 60146.0/83

- sign 22.678+/-0.003 χ^2/NDF: 33213.8/42



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

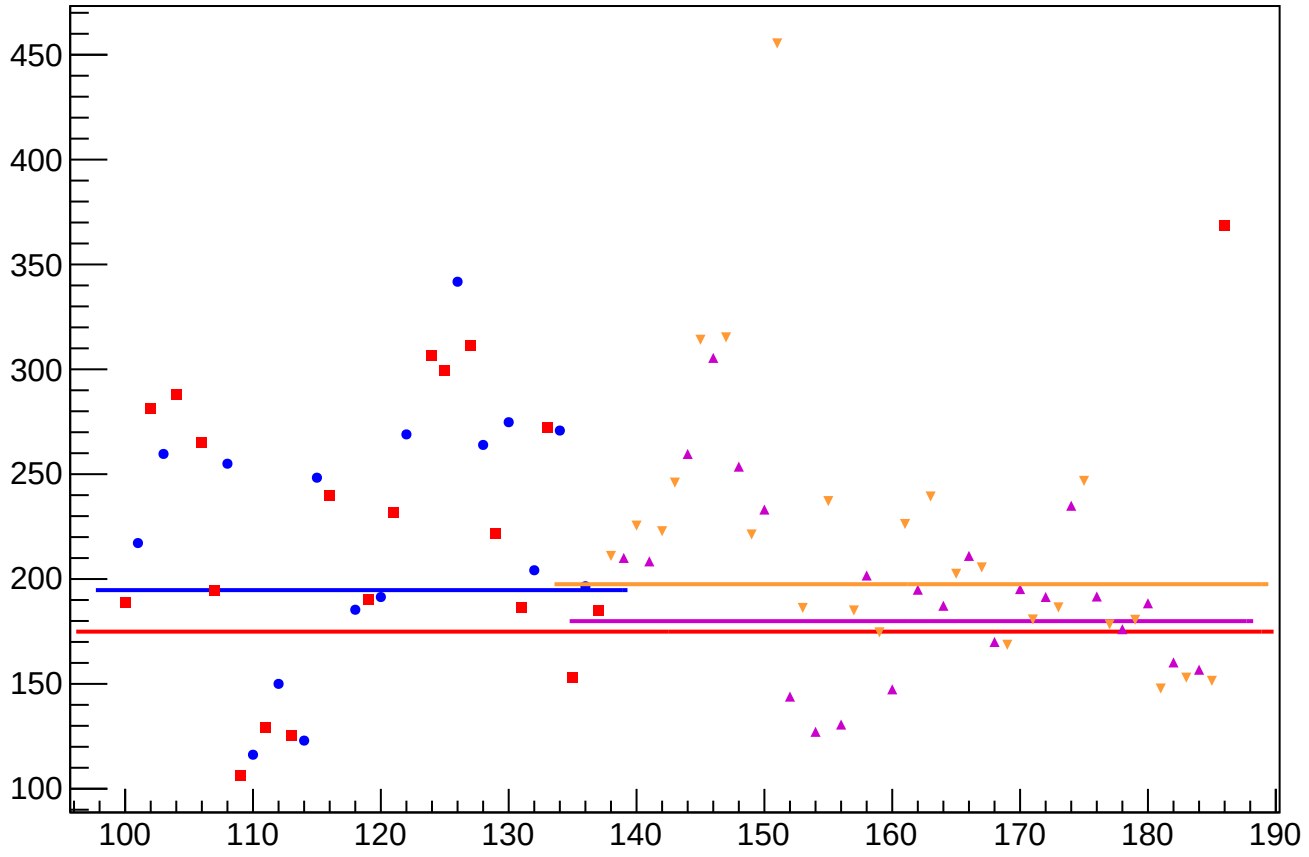
Right Out: 140.273+/-67.921 χ^2/NDF: 12.2/19

Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 96.883+/-39.767 χ^2/NDF: 31.2/40

All: 21.254+/-27.042 χ^2/NDF: 68.4/83

- sign -43.795+/-36.881 χ^2/NDF: 30.5/42



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

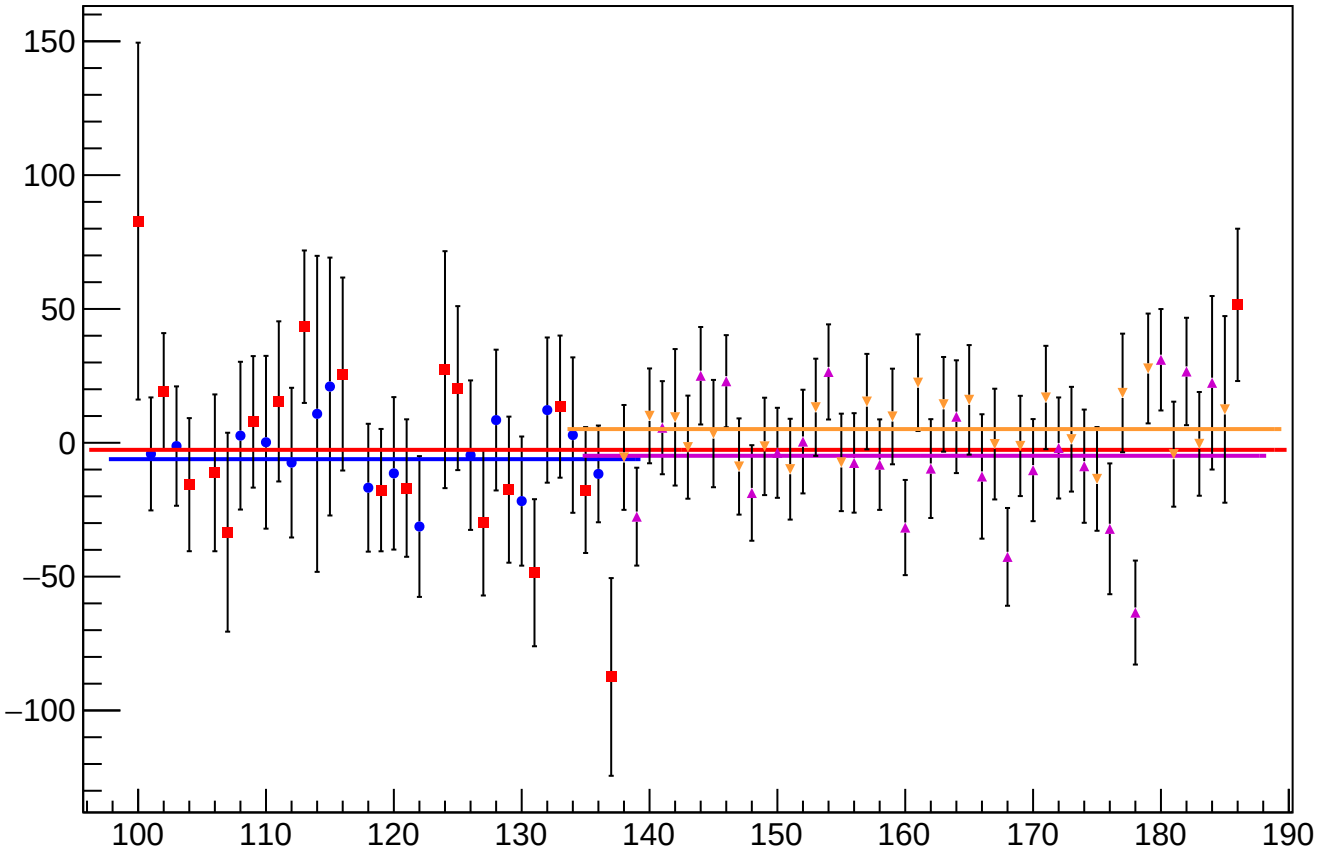
Right Out: 174.915+/-0.048 χ^2/NDF: 1900328.7/19

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 196.772+/-0.028 χ^2/NDF: 2844169.6/40

All: 186.920+/-0.019 χ^2/NDF: 6604624.6/83

- sign 178.447+/-0.026 χ^2/NDF: 3532140.8/42



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

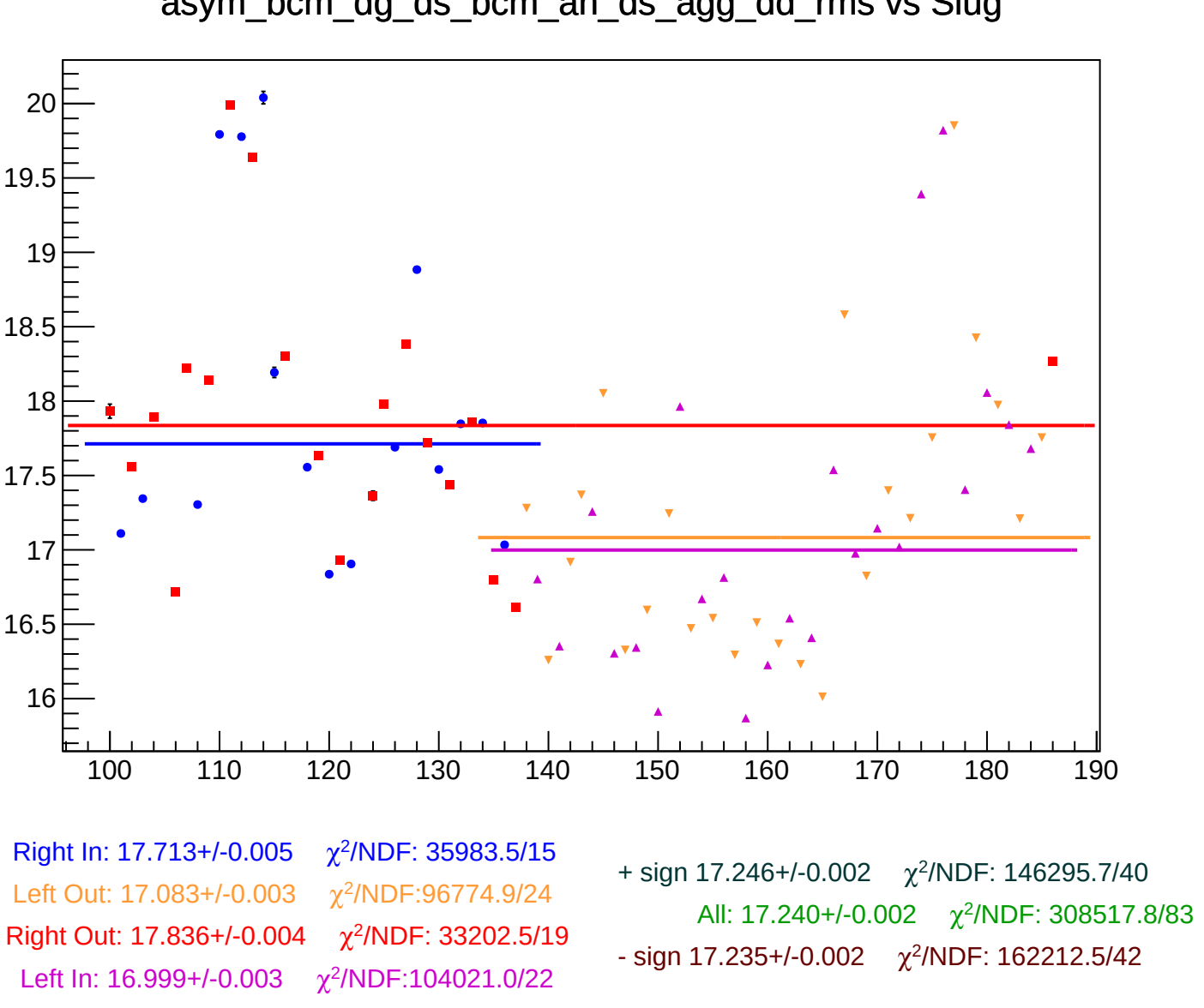
Right Out: -2.636+/-6.345 χ^2/NDF: 23.0/19

Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

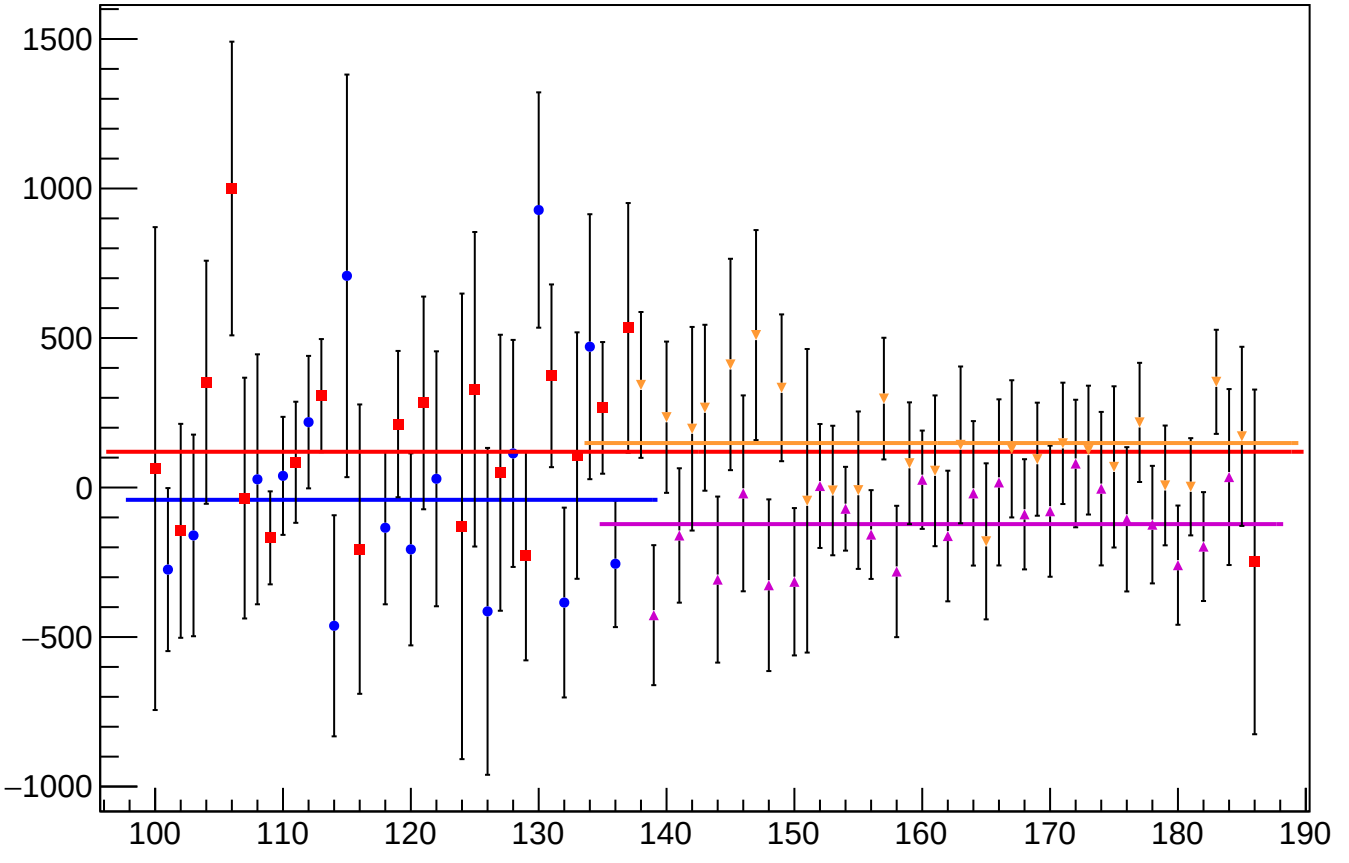
+ sign 2.216+/-3.350 χ^2/NDF: 13.2/40

All: -0.986+/-2.377 χ^2/NDF: 73.6/83

- 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: 17.713+/-0.005 χ²/NDF: 35983.5/15
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 17.246+/-0.002 χ²/NDF: 146295.7/40
All: 17.240+/-0.002 χ²/NDF: 308517.8/83
- sign 17.235+/-0.002 χ²/NDF: 162212.5/42

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 119.577+/-68.617 χ^2/NDF: 13.3/19

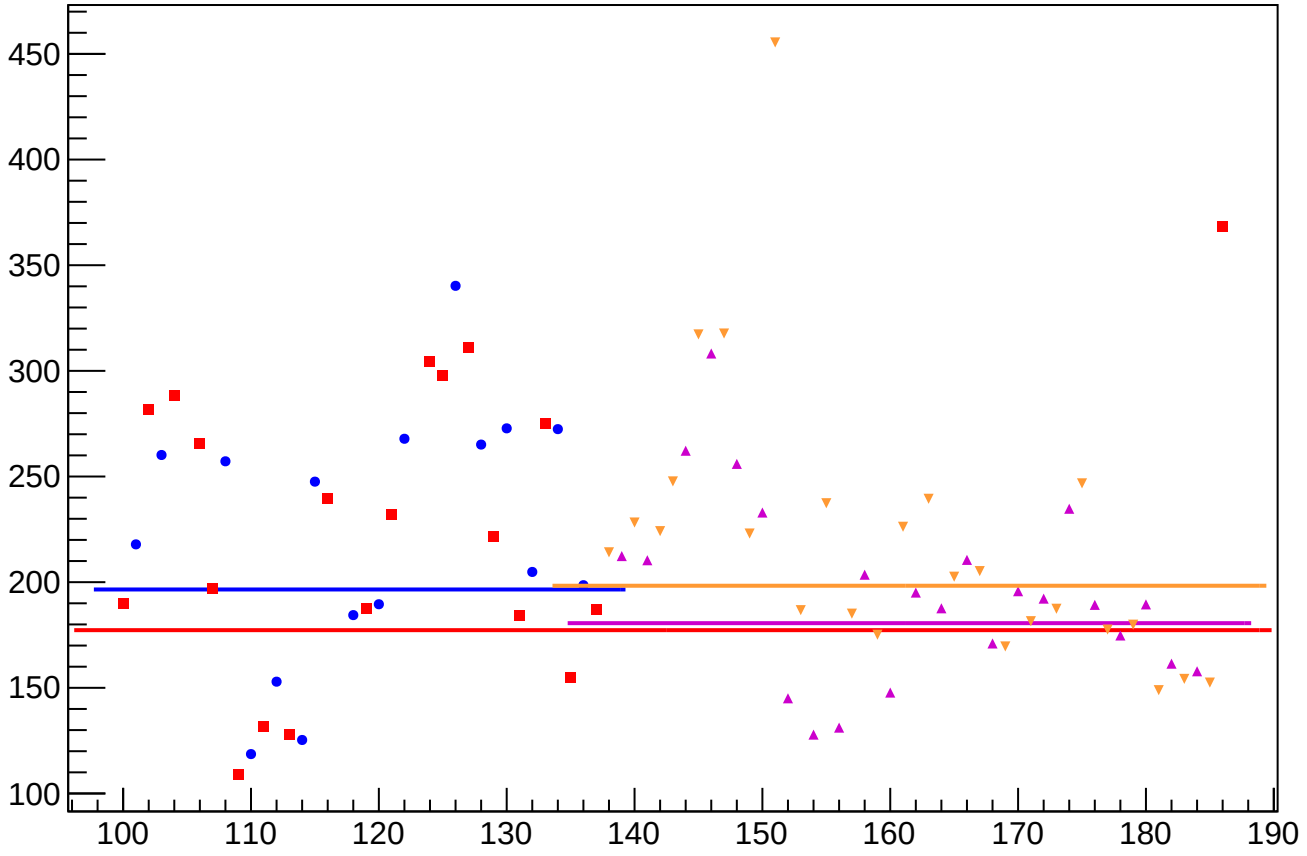
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 97.810+/-39.958 χ^2/NDF: 29.6/40

All: 17.496+/-27.183 χ^2/NDF: 67.1/83

- 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: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

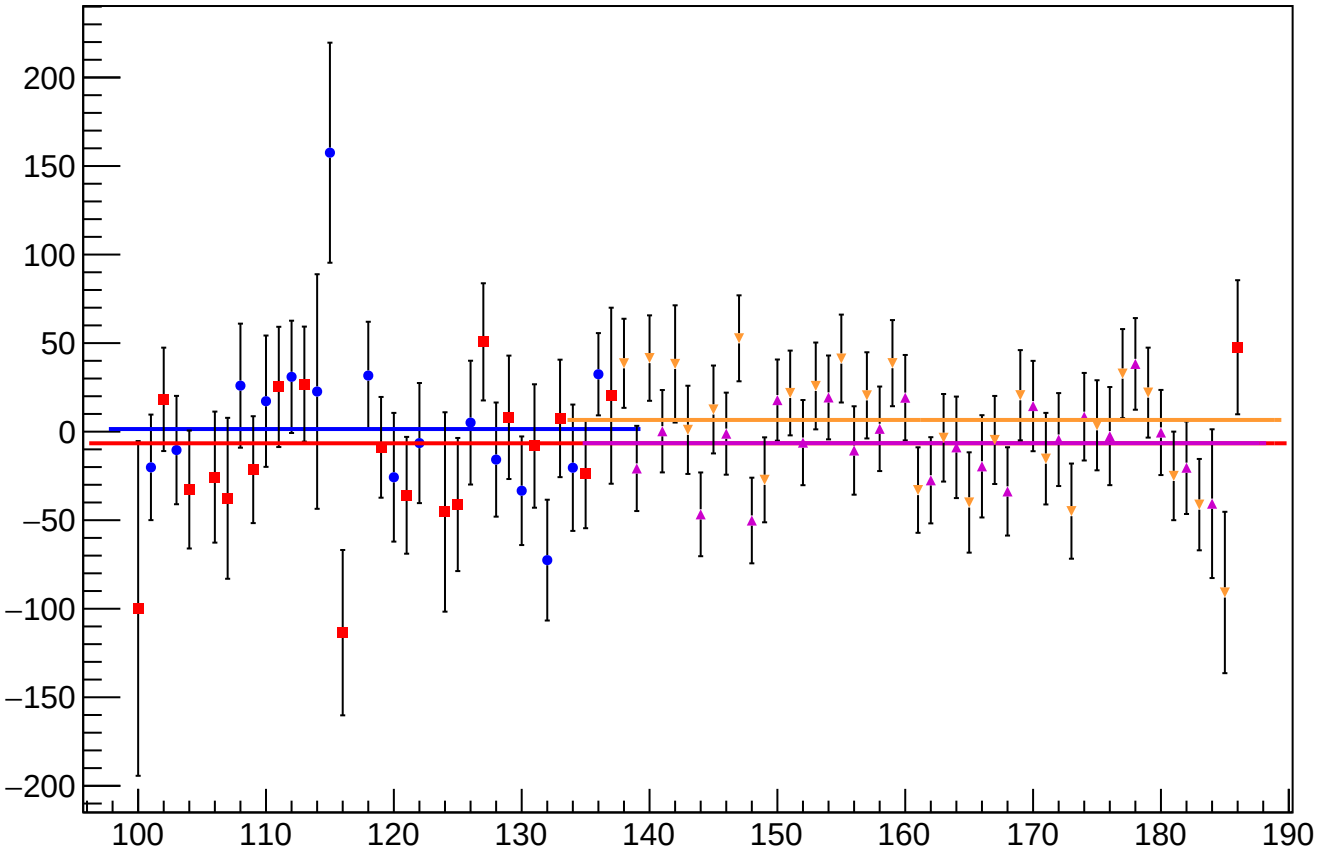
Right Out: 177.290+/-0.049 χ^2/NDF: 1812123.5/19

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 197.838+/-0.028 χ^2/NDF: 2791821.2/40

All: 188.059+/-0.019 χ^2/NDF: 6458312.8/83

- sign 179.634+/-0.026 χ^2/NDF: 3443493.6/42



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: -6.570+/-8.012 χ^2/NDF: 18.6/19

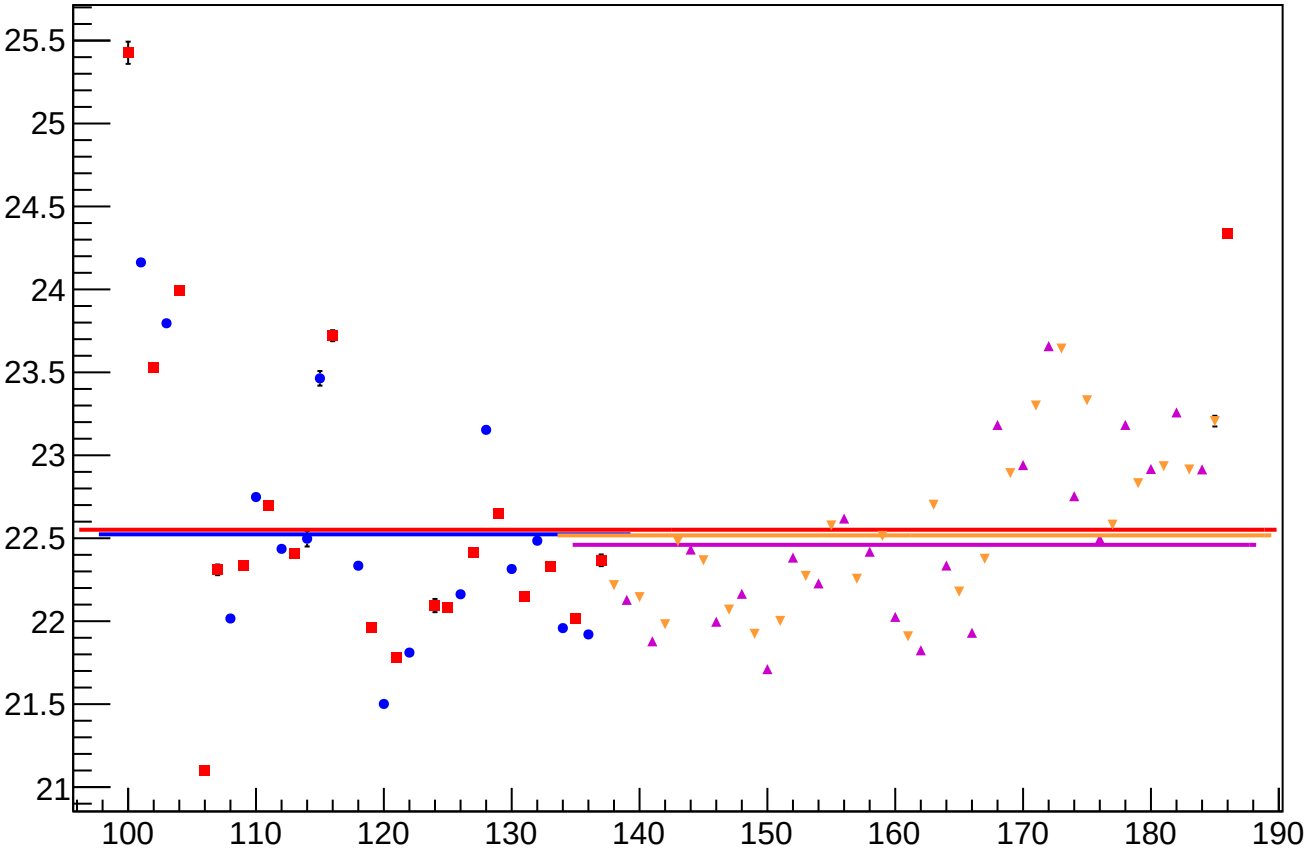
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 5.214+/-4.366 χ^2/NDF: 55.8/40

All: -0.616+/-3.095 χ^2/NDF: 95.5/83

- 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: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

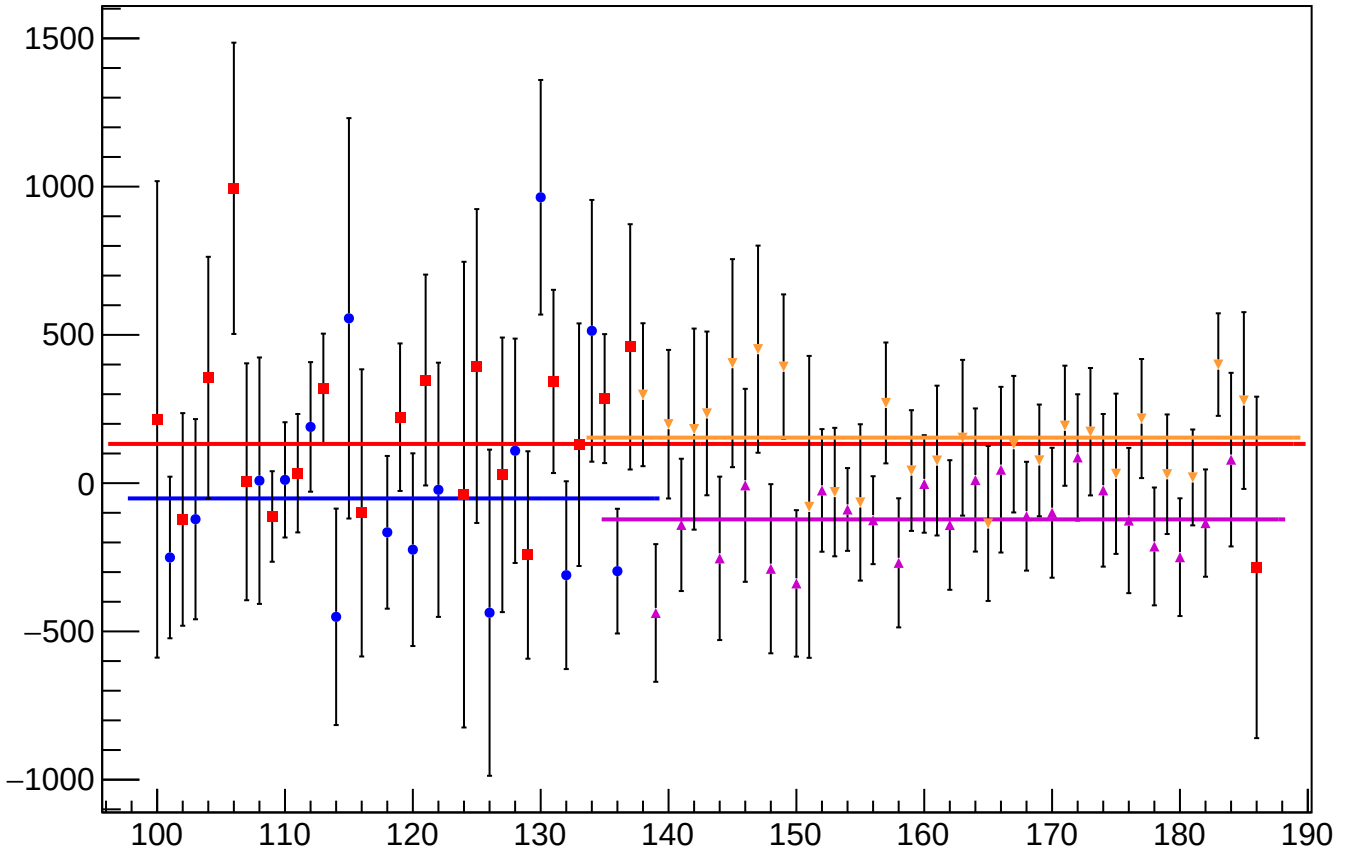
Right Out: 22.551+/-0.006 χ^2/NDF: 20287.1/19

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.519+/-0.003 χ^2/NDF: 31951.1/40

All: 22.503+/-0.002 χ^2/NDF: 71588.1/83

- sign 22.488+/-0.003 χ^2/NDF: 39585.2/42



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

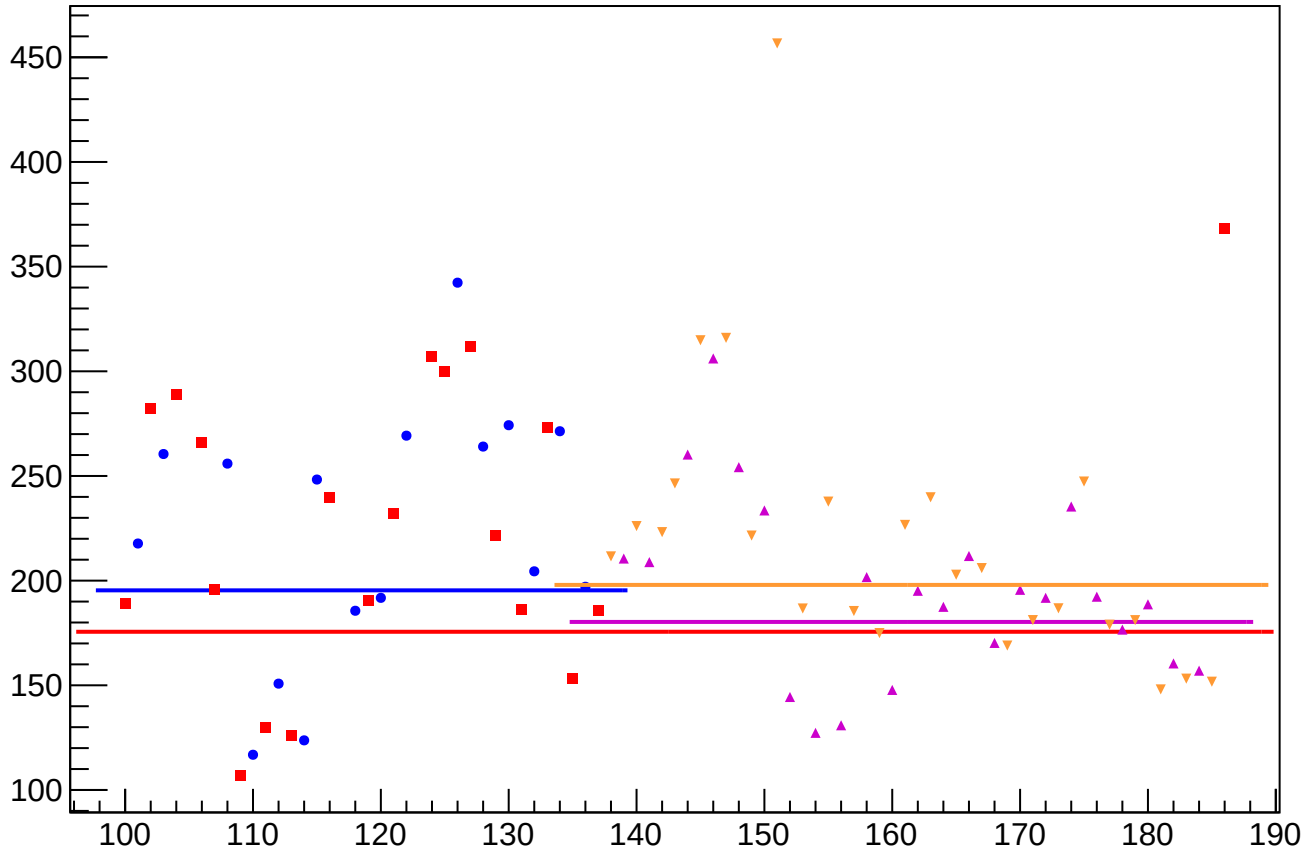
Right Out: 132.269+/-68.142 χ^2/NDF: 12.1/19

Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 98.278+/-39.862 χ^2/NDF: 30.6/40

All: 20.022+/-27.105 χ^2/NDF: 67.2/83

- sign -47.283+/-36.968 χ^2/NDF: 29.4/42



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

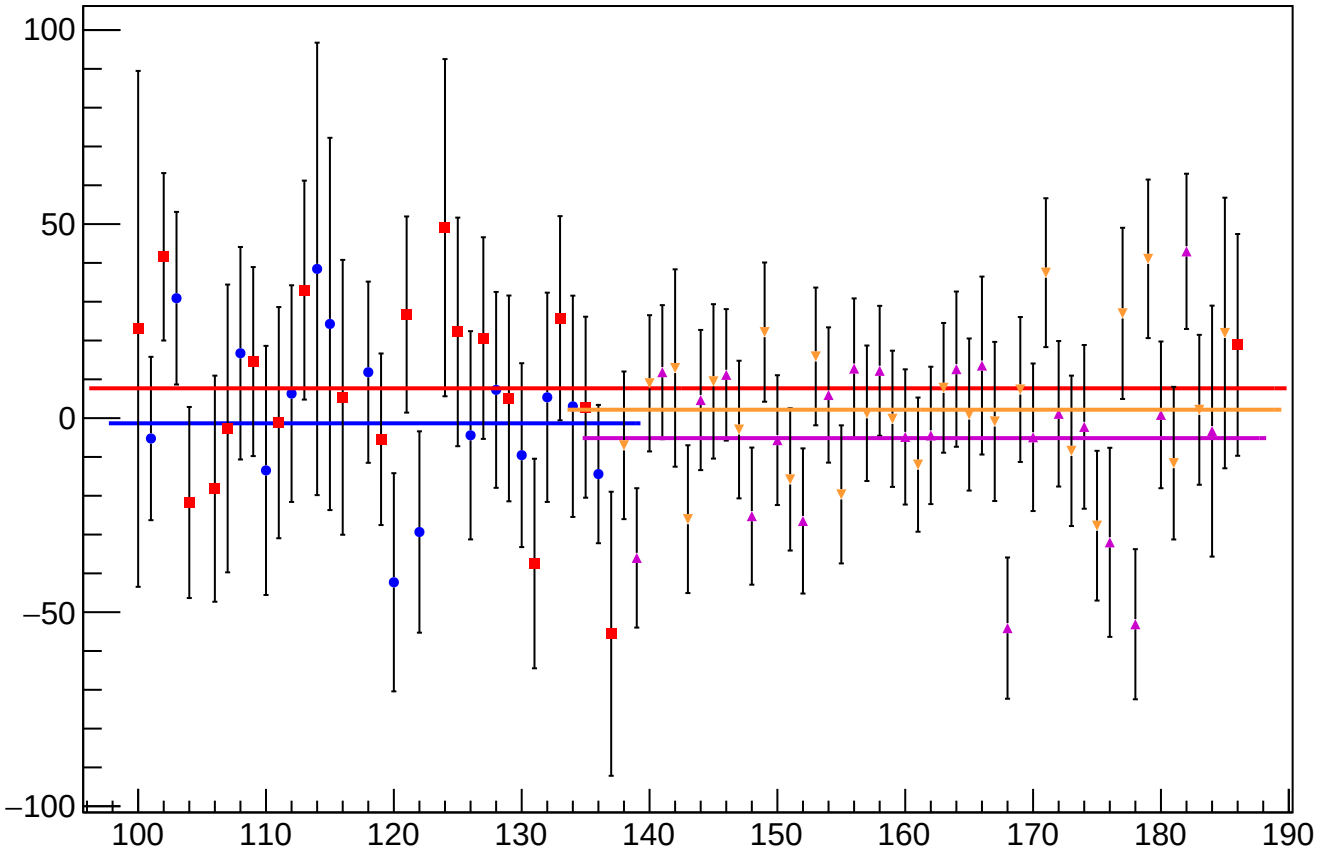
Right Out: 175.575+/-0.048 χ^2/NDF: 1886738.8/19

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 197.258+/-0.028 χ^2/NDF: 2834456.7/40

All: 187.384+/-0.019 χ^2/NDF: 6580857.7/83

- sign 178.891+/-0.026 χ^2/NDF: 3518134.1/42



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 7.688+/-6.247 χ^2/NDF: 14.6/19

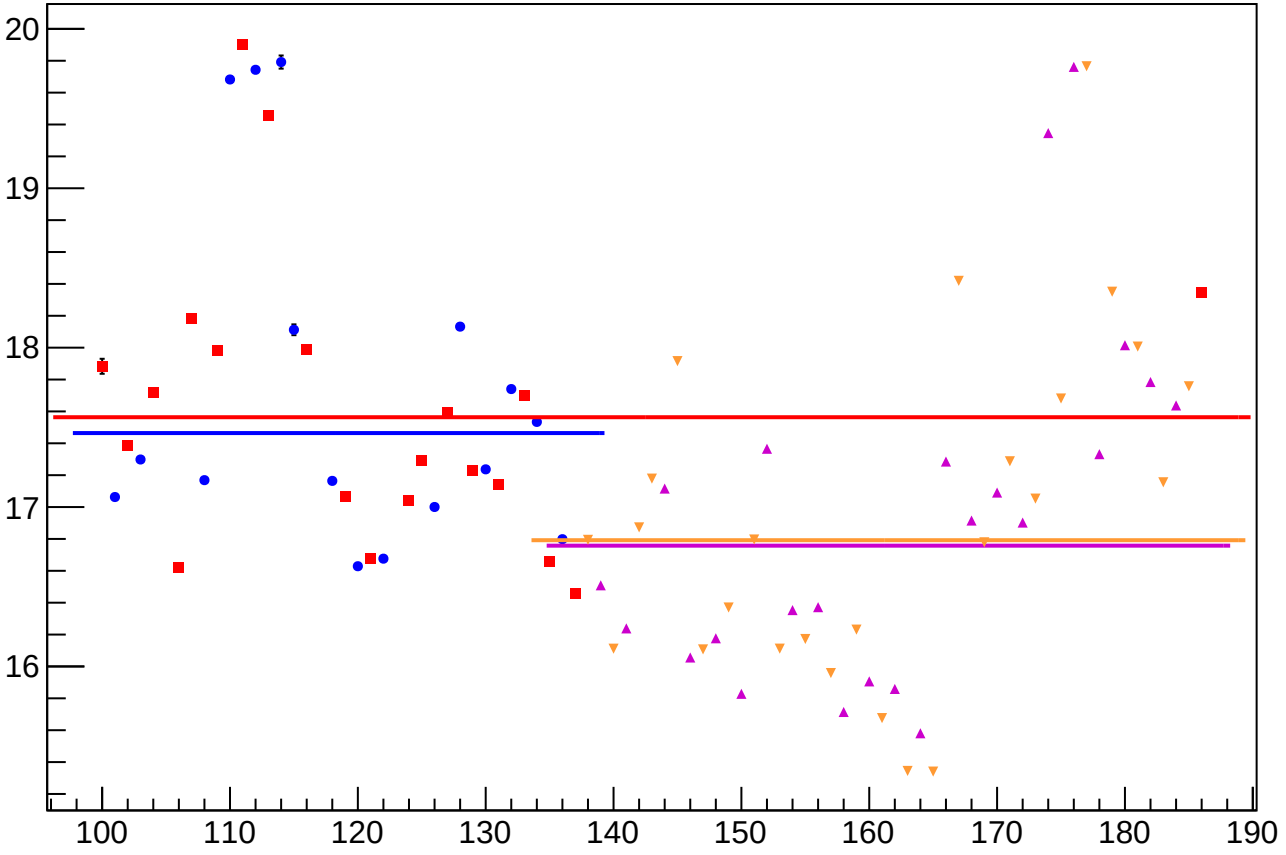
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 1.272+/-3.296 χ^2/NDF: 28.2/40

All: -0.112+/-2.340 χ^2/NDF: 78.4/83

- 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: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

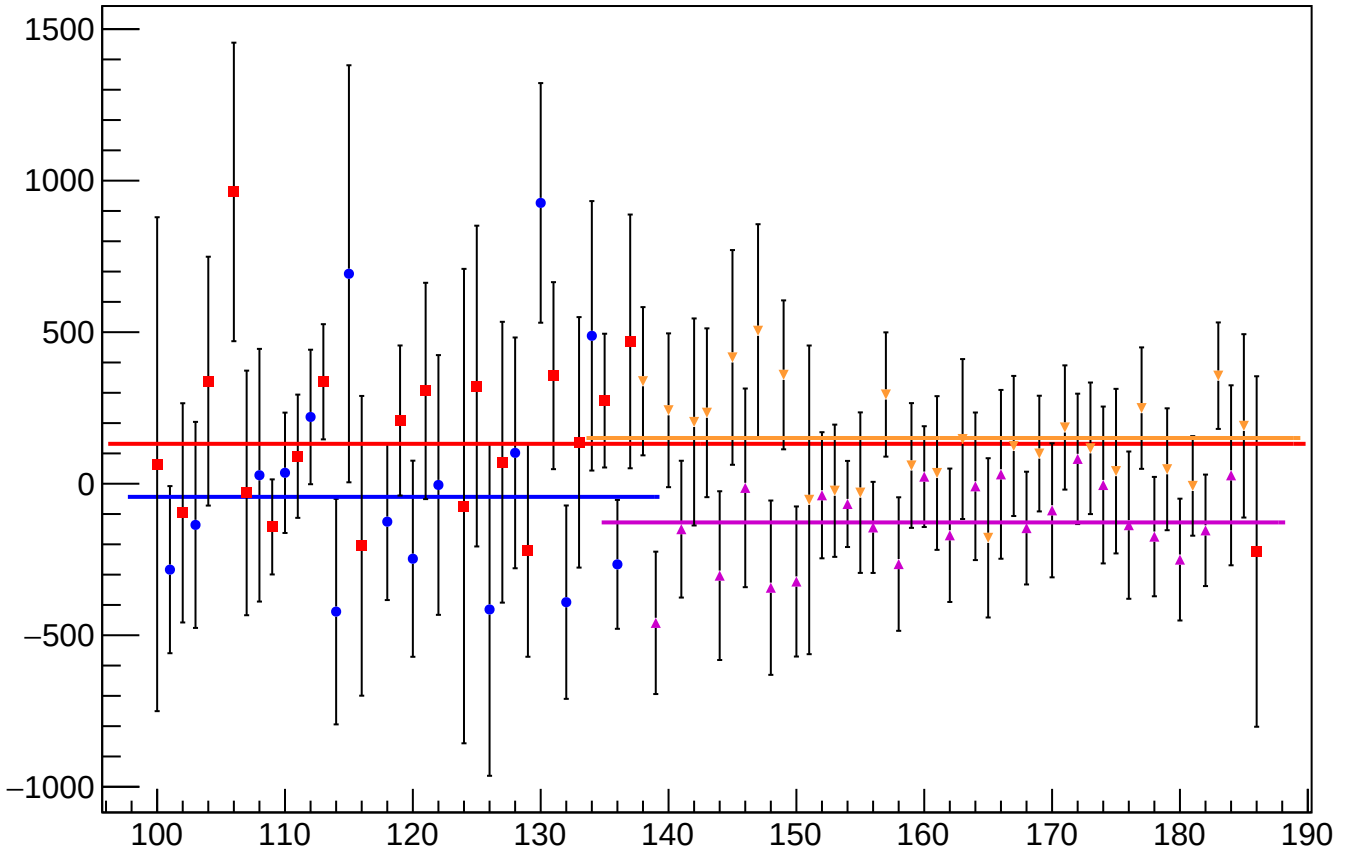
Right Out: 17.564+/-0.004 χ^2/NDF: 36299.9/19

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.965+/-0.002 χ^2/NDF: 189543.2/40

All: 16.975+/-0.002 χ^2/NDF: 373050.3/83

- sign 16.986+/-0.002 χ^2/NDF: 183467.4/42



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: 131.637+/-69.059 χ^2/NDF: 11.9/19

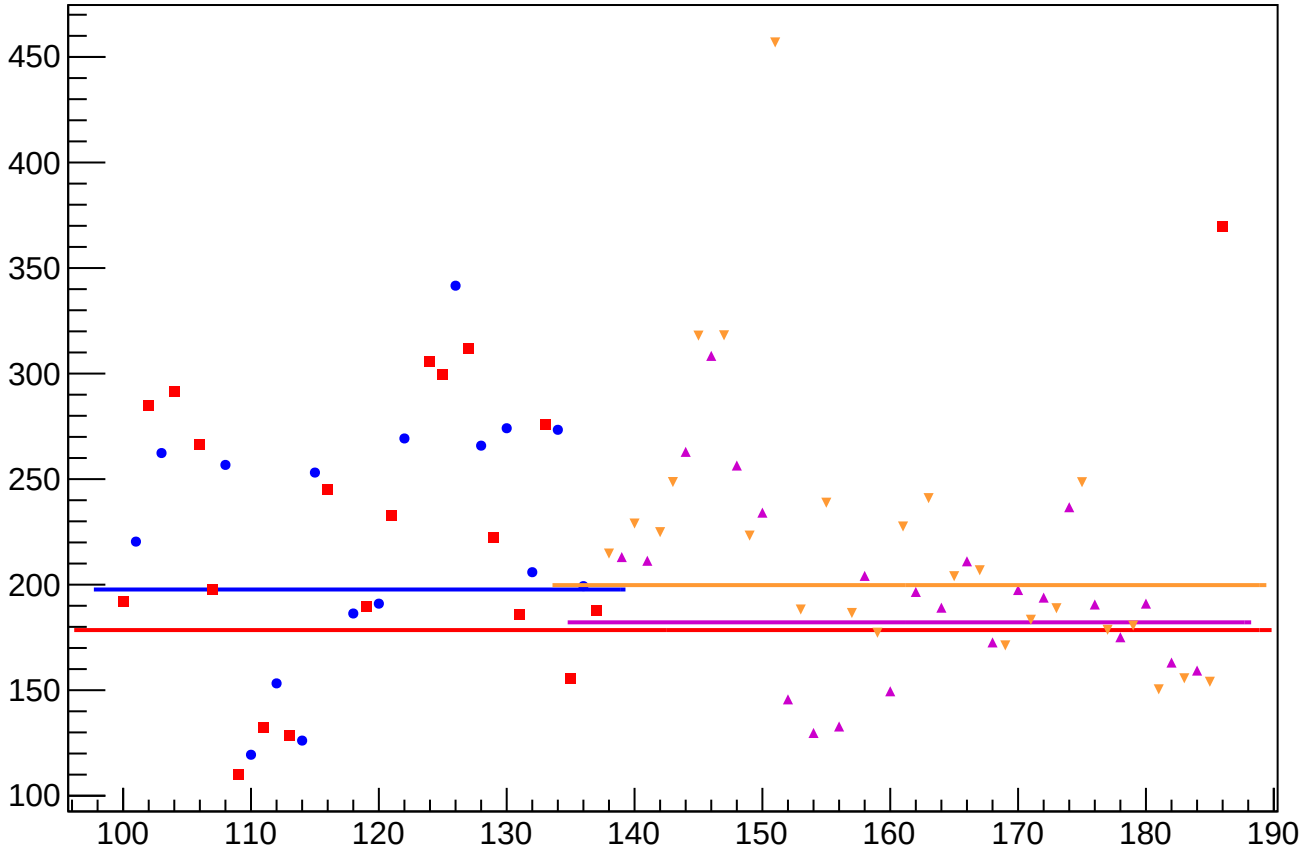
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 98.673+/-40.221 χ^2/NDF: 30.0/40

All: 17.903+/-27.374 χ^2/NDF: 67.3/83

- 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: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

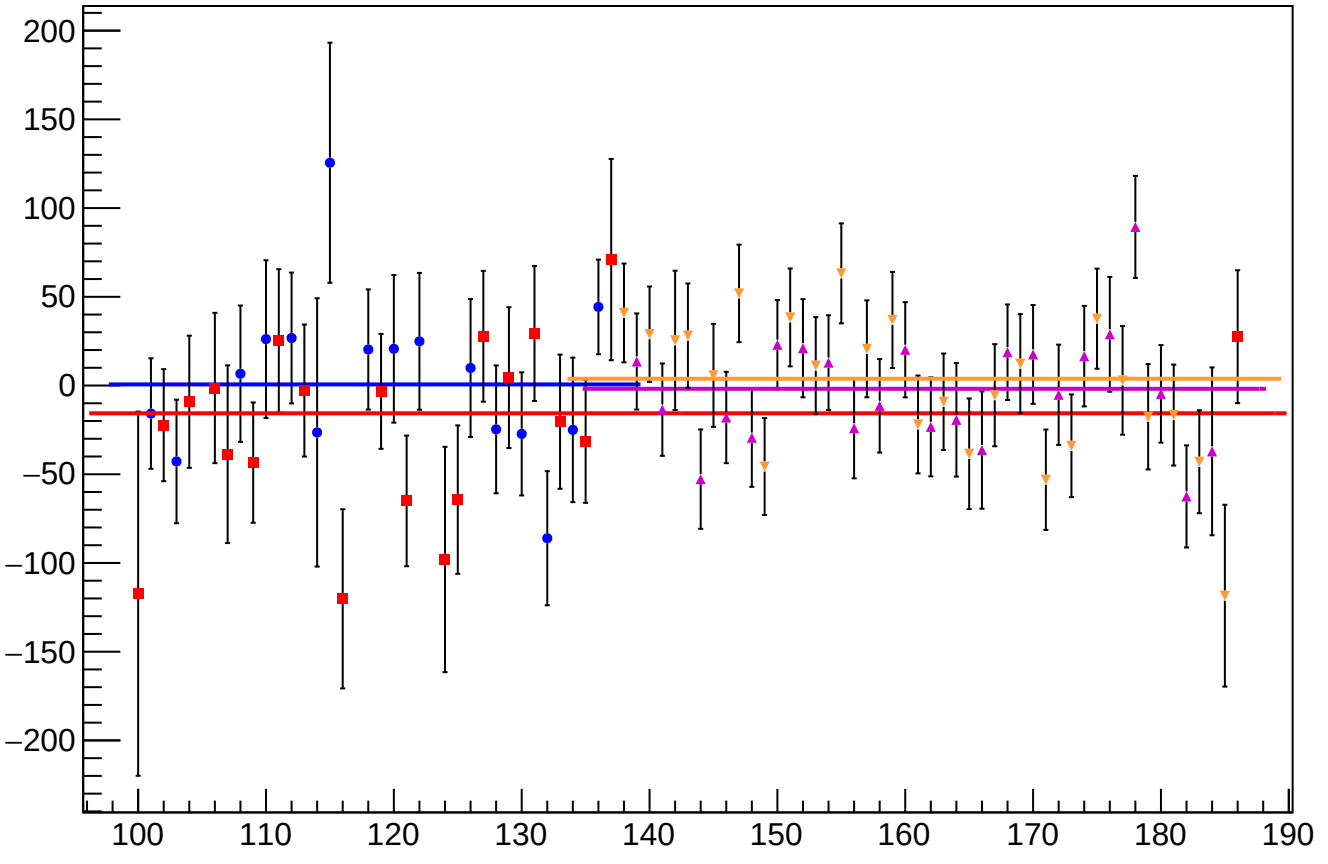
Right Out: 178.485+/-0.049 χ^2/NDF: 1812894.8/19

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 199.226+/-0.028 χ^2/NDF: 2761699.4/40

All: 189.484+/-0.019 χ^2/NDF: 6381529.6/83

- sign 181.077+/-0.026 χ^2/NDF: 3401236.6/42



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: -15.640+/-8.942 χ^2/NDF: 19.4/19

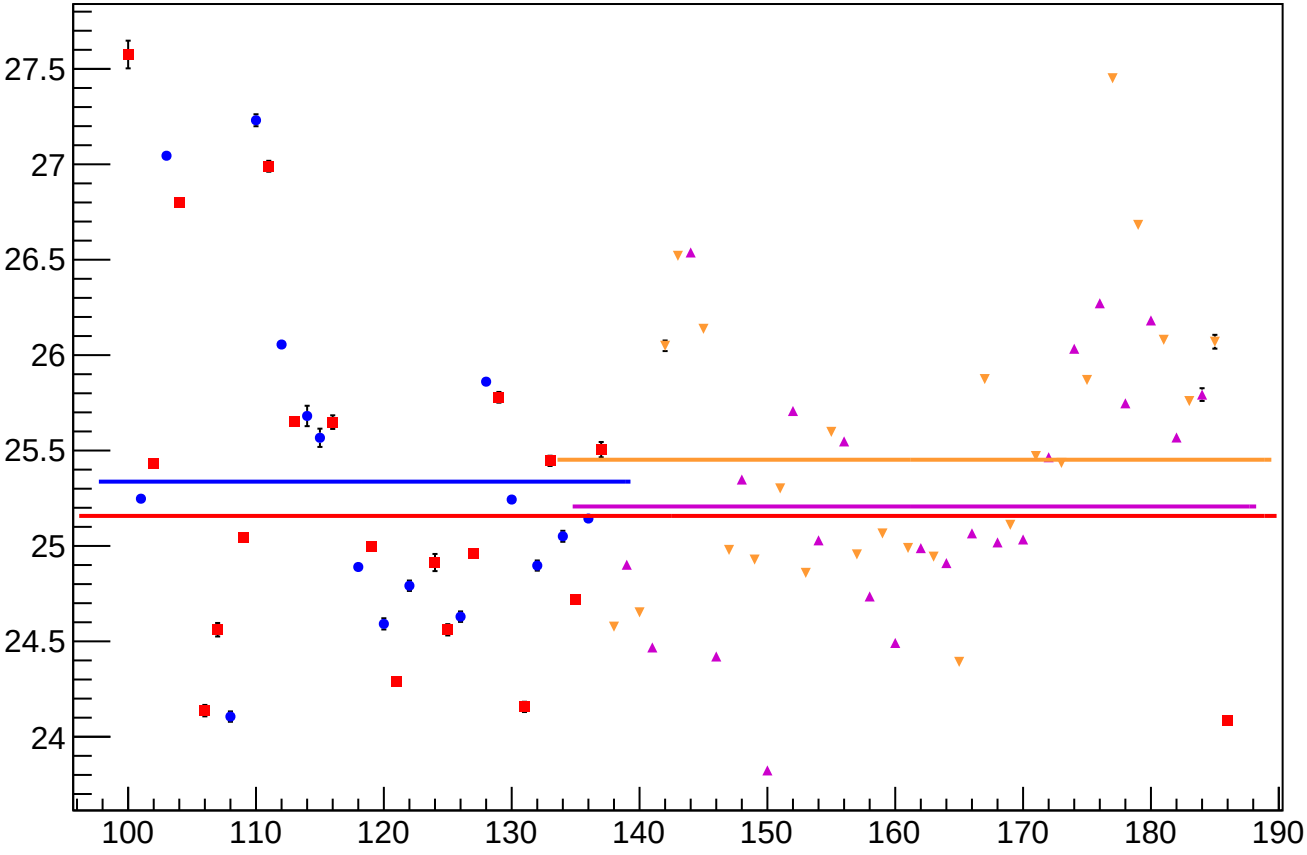
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 2.950+/-4.932 χ^2/NDF: 54.4/40

All: -1.548+/-3.484 χ^2/NDF: 105.2/83

- sign -6.026+/-4.921 χ^2/NDF: 49.1/42

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

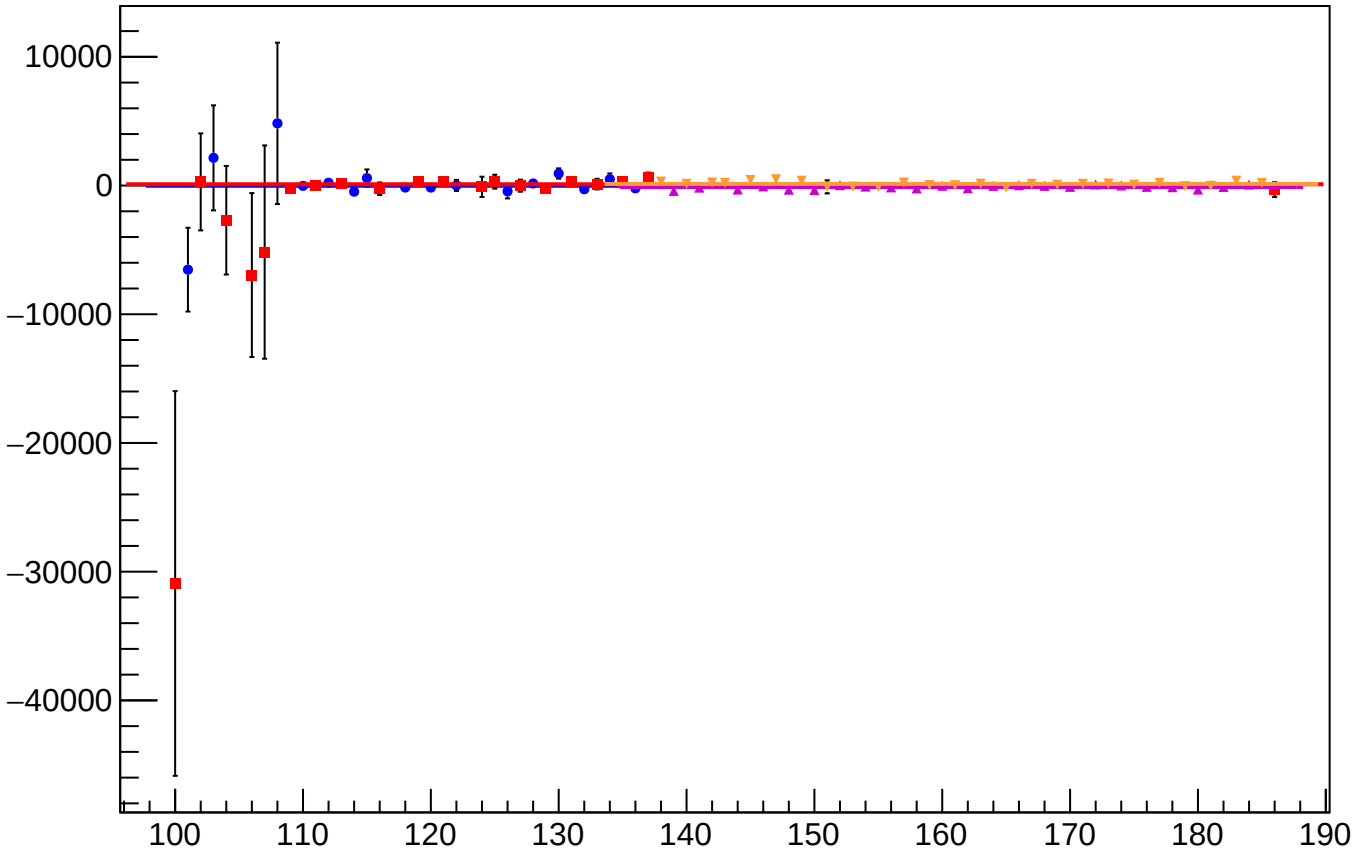
Right Out: 25.157+/-0.006 χ^2/NDF: 16961.0/19

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.420+/-0.003 χ^2/NDF: 44143.1/40

All: 25.306+/-0.002 χ^2/NDF: 89125.6/83

- sign 25.192+/-0.003 χ^2/NDF: 42831.1/42



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

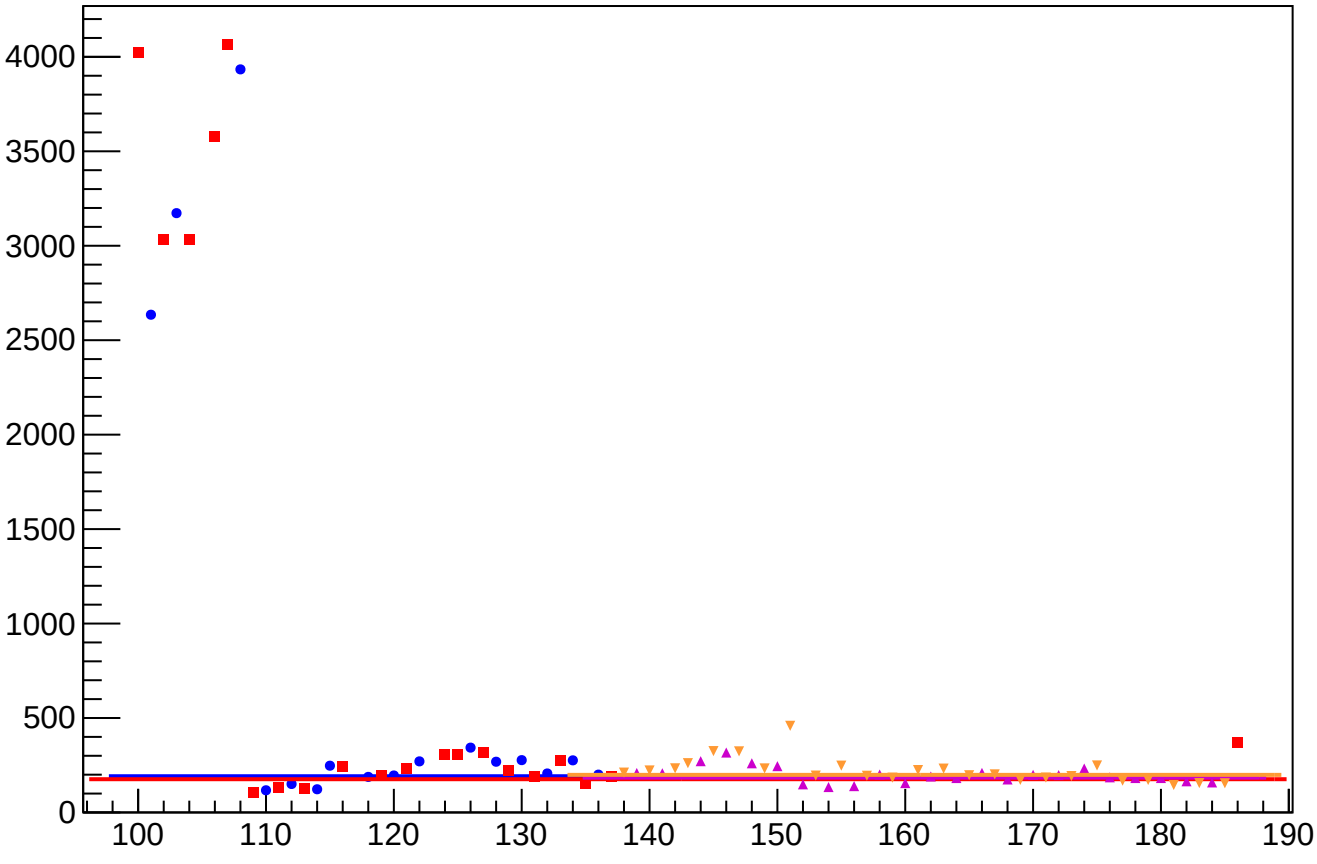
Right Out: 101.097+/-77.388 χ^2/NDF: 14.6/19

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign 92.138+/-41.047 χ^2/NDF: 31.5/40

All: 10.589+/-28.204 χ^2/NDF: 67.5/83

- sign -62.343+/-38.818 χ^2/NDF: 28.5/42



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

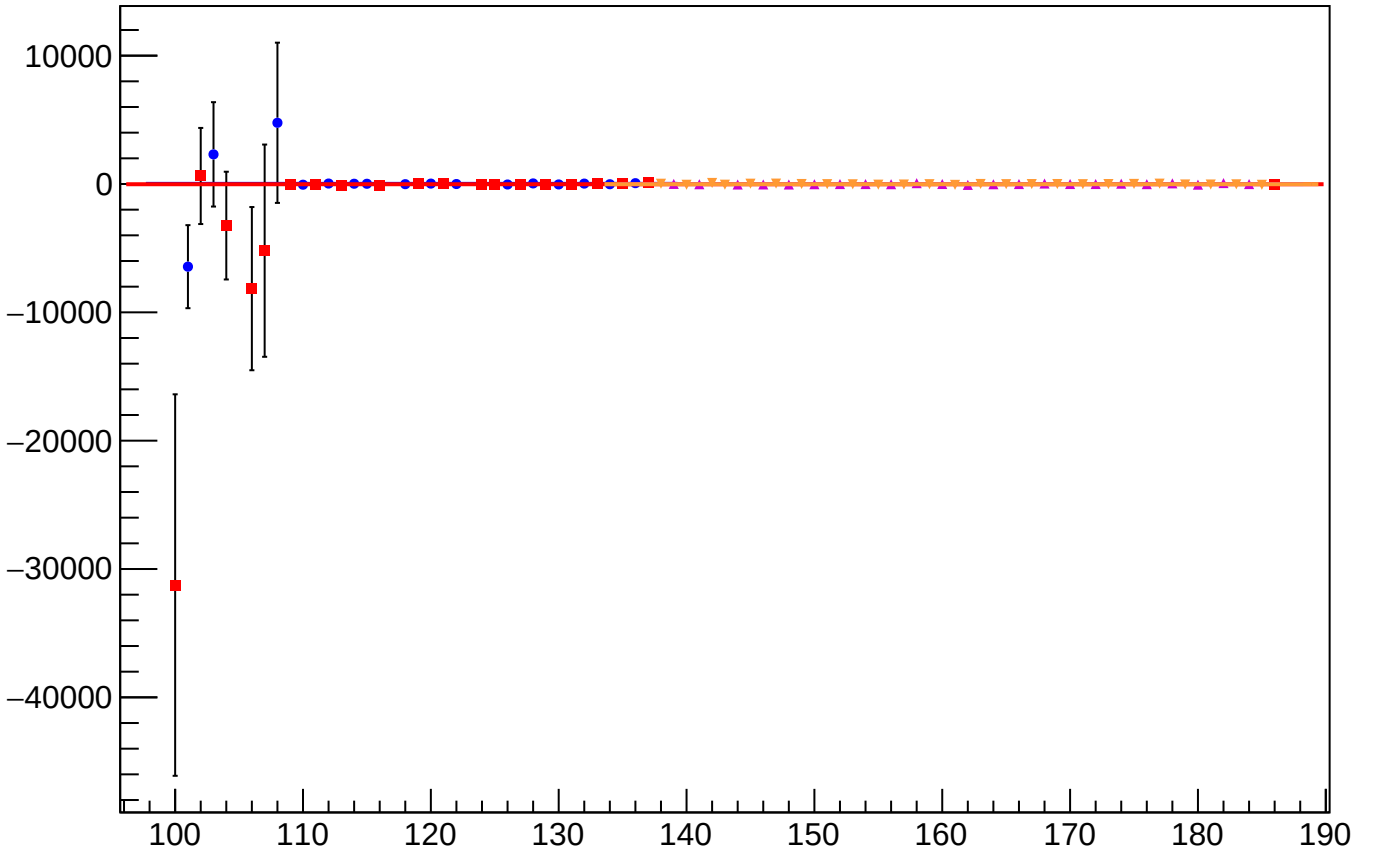
Right Out: 175.999+/-0.055 χ^2/NDF: 4529580.2/19

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 197.289+/-0.029 χ^2/NDF: 5735196.7/40

All: 189.369+/-0.020 χ^2/NDF: 11869777.9/83

- sign 182.285+/-0.027 χ^2/NDF: 5993518.4/42



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -18.234+/-11.491 χ^2/NDF: 24.8/19

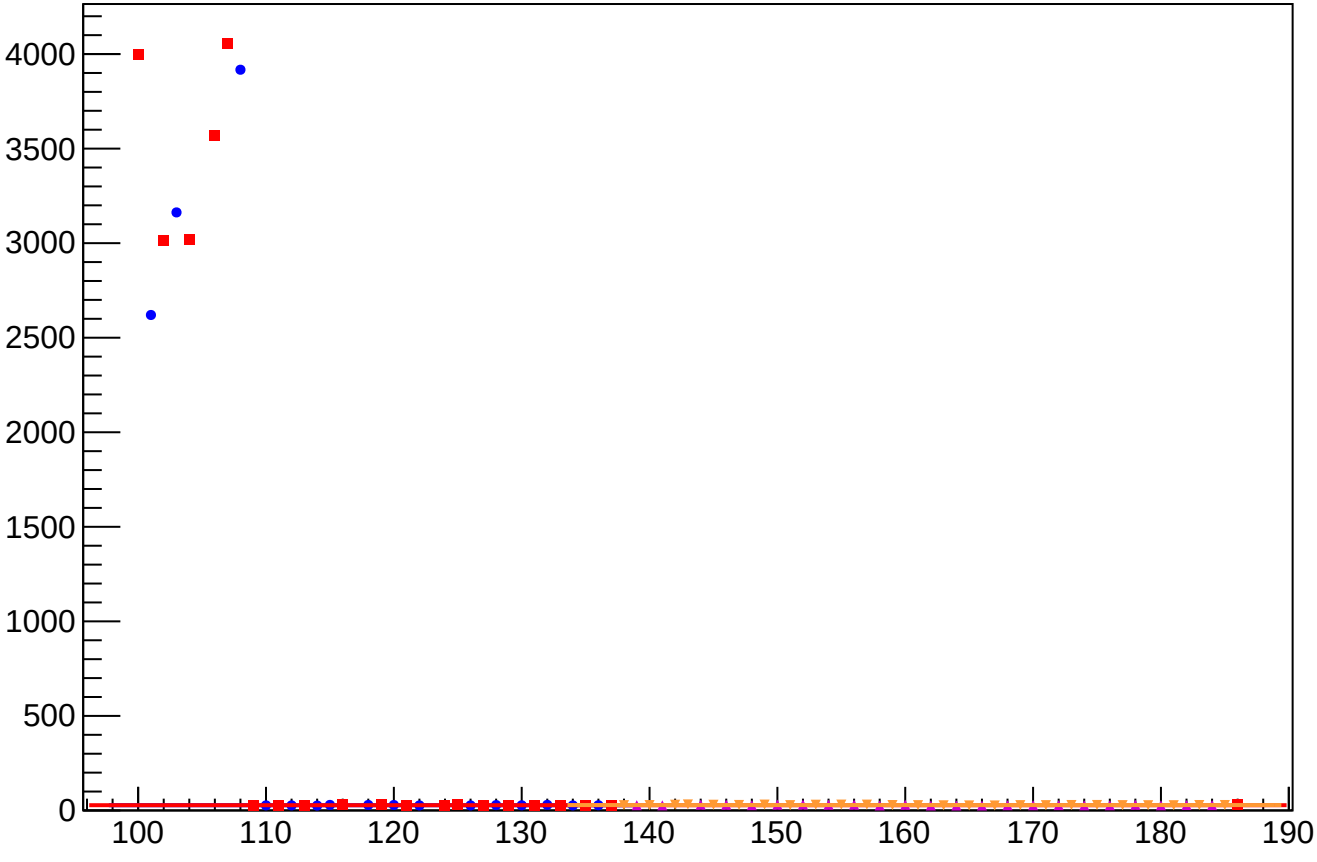
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

\+ sign -9.045+/-5.688 χ^2/NDF: 41.6/40

All: -7.673+/-4.058 χ^2/NDF: 96.2/83

\- sign -6.251+/-5.790 χ^2/NDF: 54.5/42

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

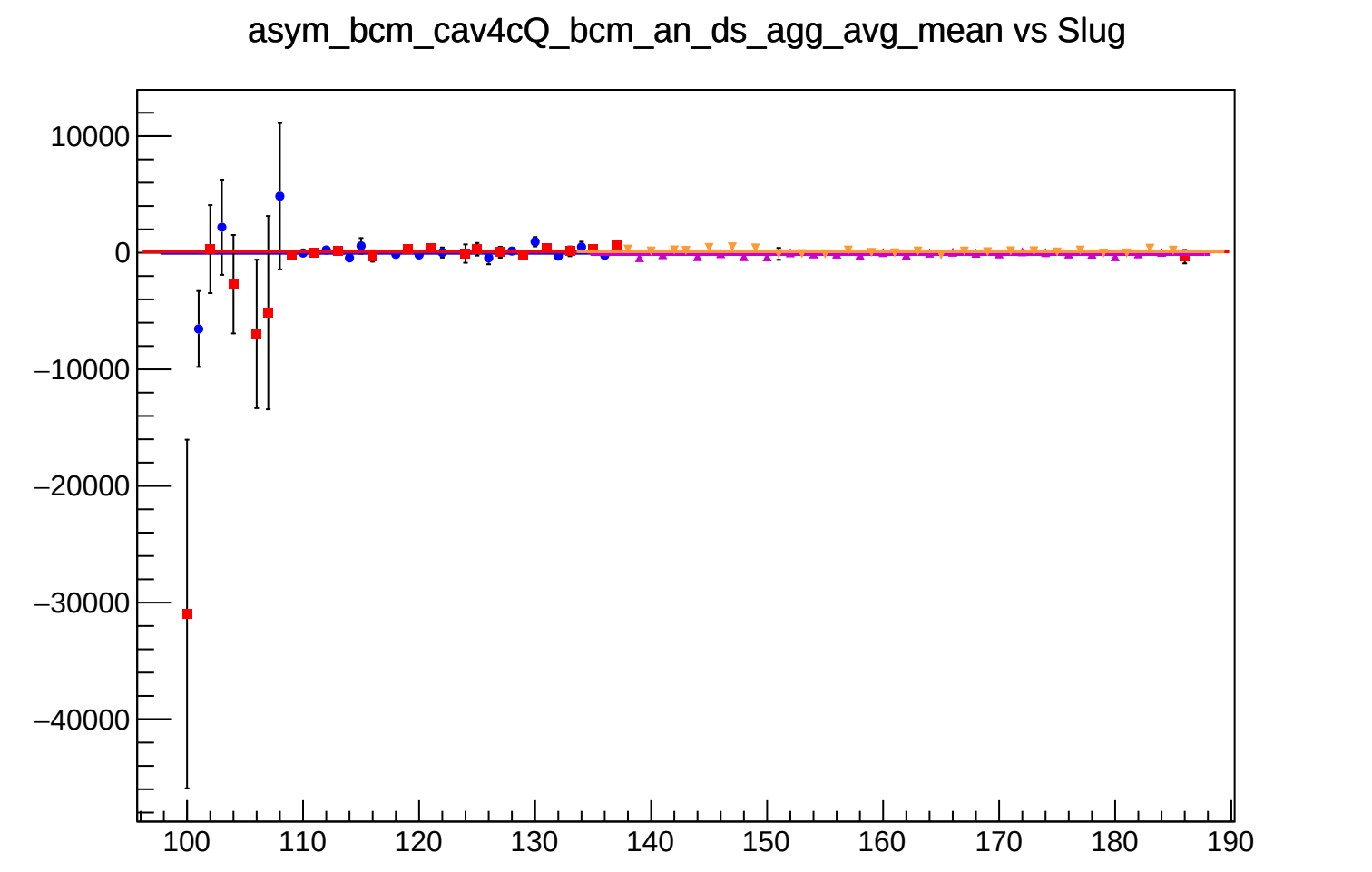
Right Out: 27.780+/-0.008 χ^2/NDF: 3571687.3/19

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.362+/-0.004 χ^2/NDF: 3363591.8/40

All: 28.379+/-0.003 χ^2/NDF: 7065948.5/83

- sign 28.396+/-0.004 χ^2/NDF: 3702321.3/42



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

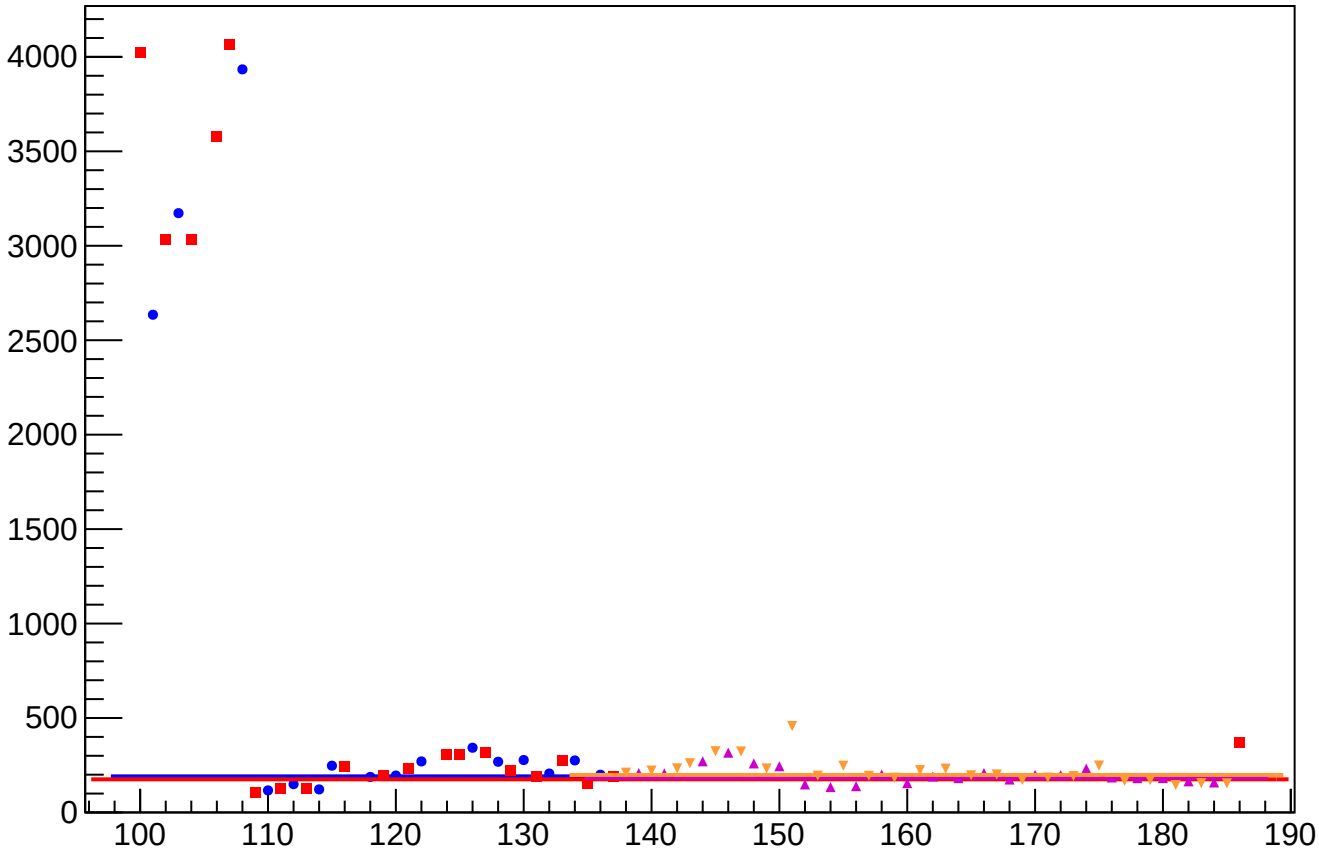
Right Out: 109.826+/-77.160 χ^2/NDF: 15.1/19

Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 90.155+/-40.952 χ^2/NDF: 32.3/40

All: 11.286+/-28.140 χ^2/NDF: 69.2/83

- sign -59.273+/-38.734 χ^2/NDF: 29.9/42



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

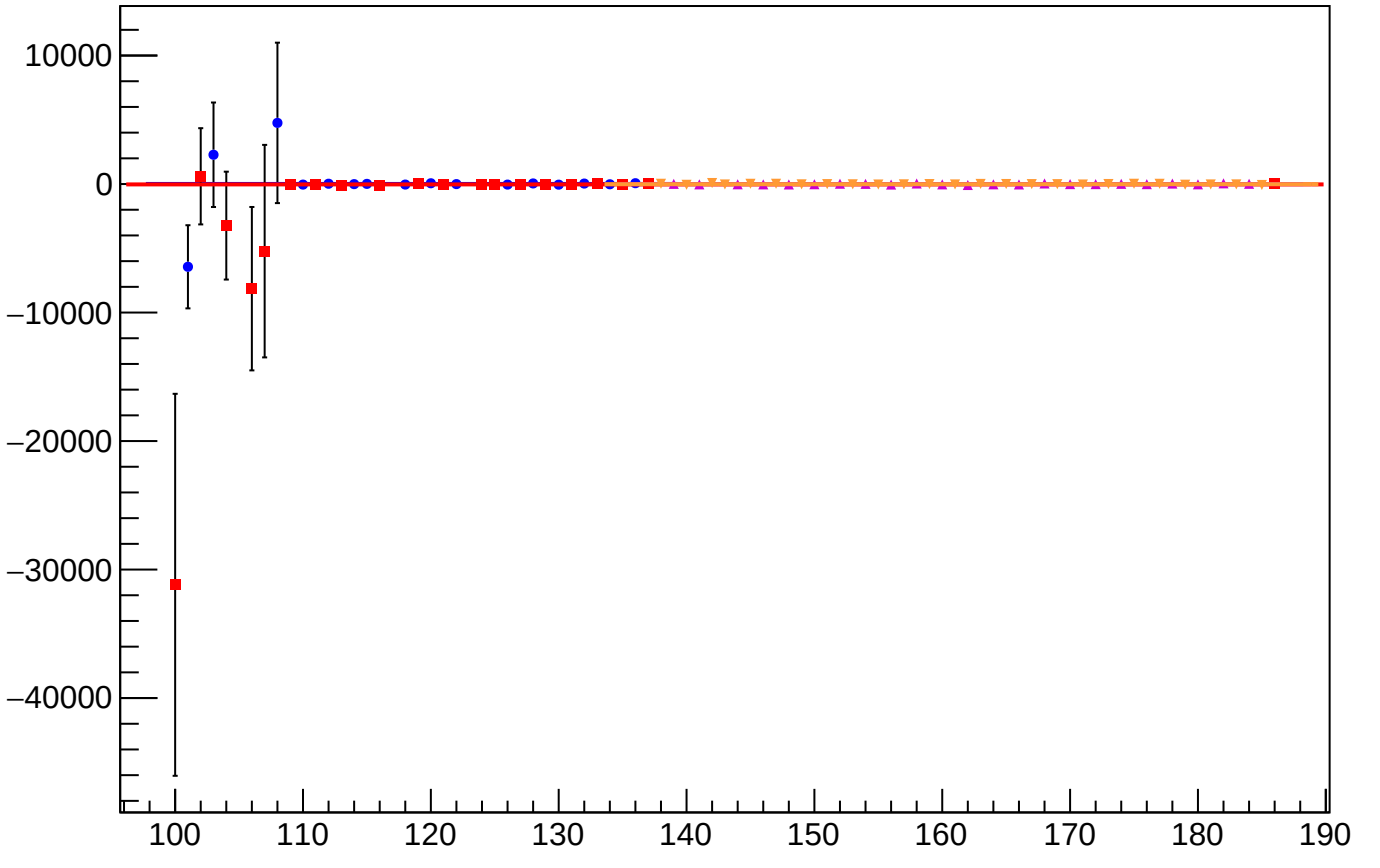
Right Out: 175.362+/-0.055 χ^2/NDF: 4543159.9/19

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 196.807+/-0.029 χ^2/NDF: 5747523.1/40

All: 188.919+/-0.020 χ^2/NDF: 11895679.2/83

- sign 181.861+/-0.027 χ^2/NDF: 6007555.0/42



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -28.654+/-11.562 χ^2/NDF: 20.5/19

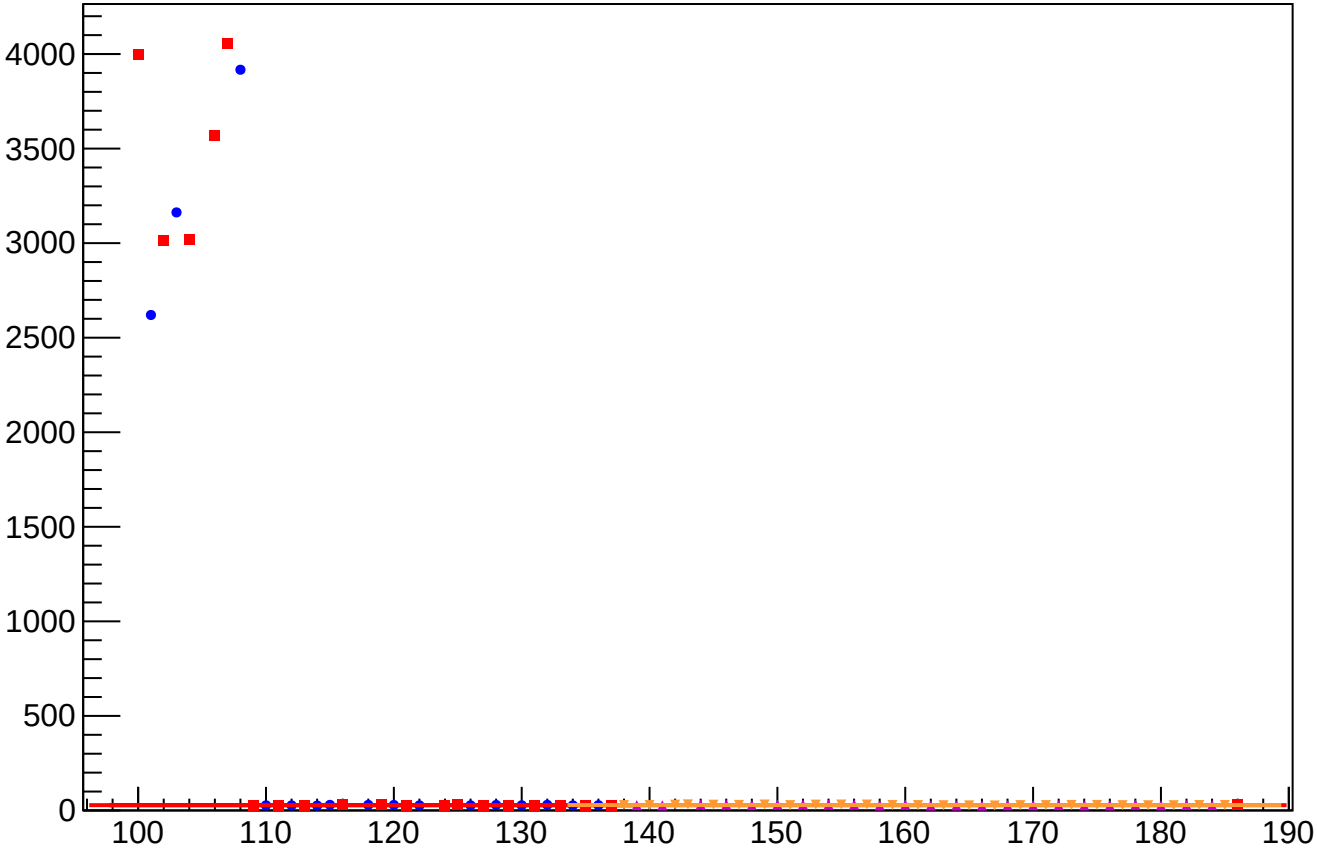
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -7.529+/-5.716 χ^2/NDF: 38.0/40

All: -8.340+/-4.077 χ^2/NDF: 84.6/83

- sign -9.179+/-5.818 χ^2/NDF: 46.5/42

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

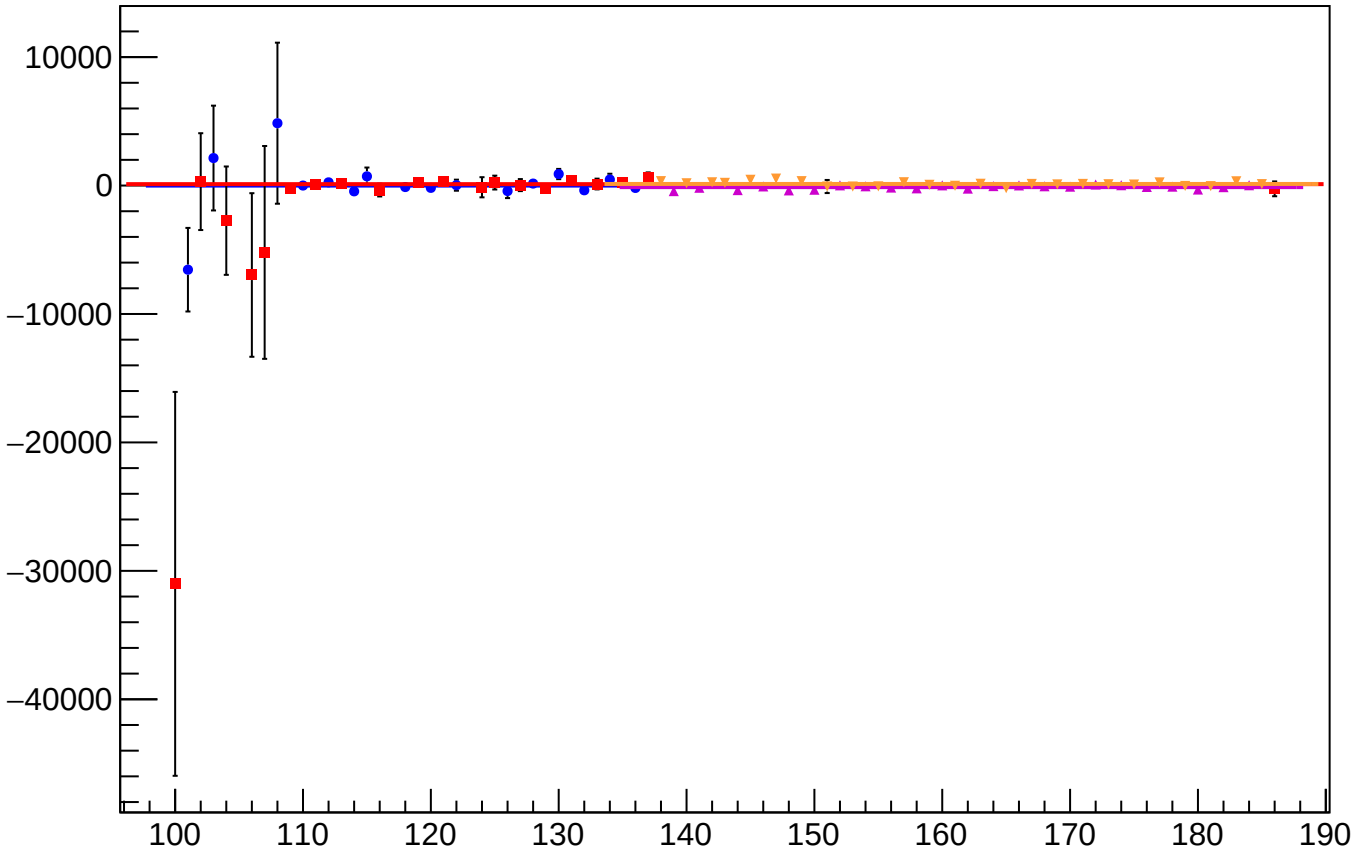
Right Out: 27.954+/-0.008 χ^2/NDF: 3568740.1/19

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.499+/-0.004 χ^2/NDF: 3373359.0/40

All: 28.515+/-0.003 χ^2/NDF: 7076204.2/83

- sign 28.532+/-0.004 χ^2/NDF: 3702813.0/42



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

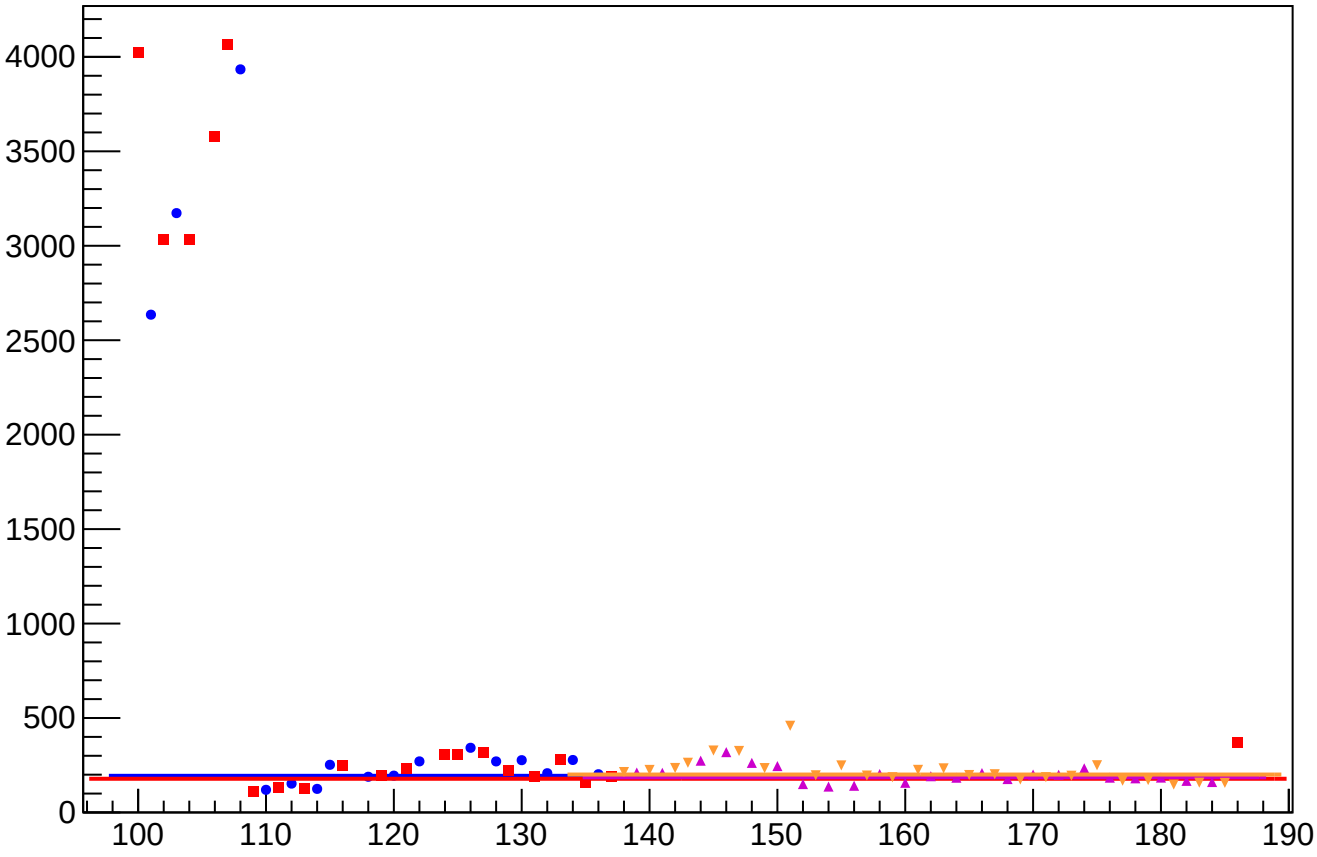
Right Out: 108.921+/-78.224 χ^2/NDF: 14.2/19

Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 93.423+/-41.389 χ^2/NDF: 31.2/40

All: 9.952+/-28.454 χ^2/NDF: 68.2/83

- sign -64.849+/-39.181 χ^2/NDF: 29.3/42



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 178.349+/-0.055 χ^2/NDF: 4481919.1/19

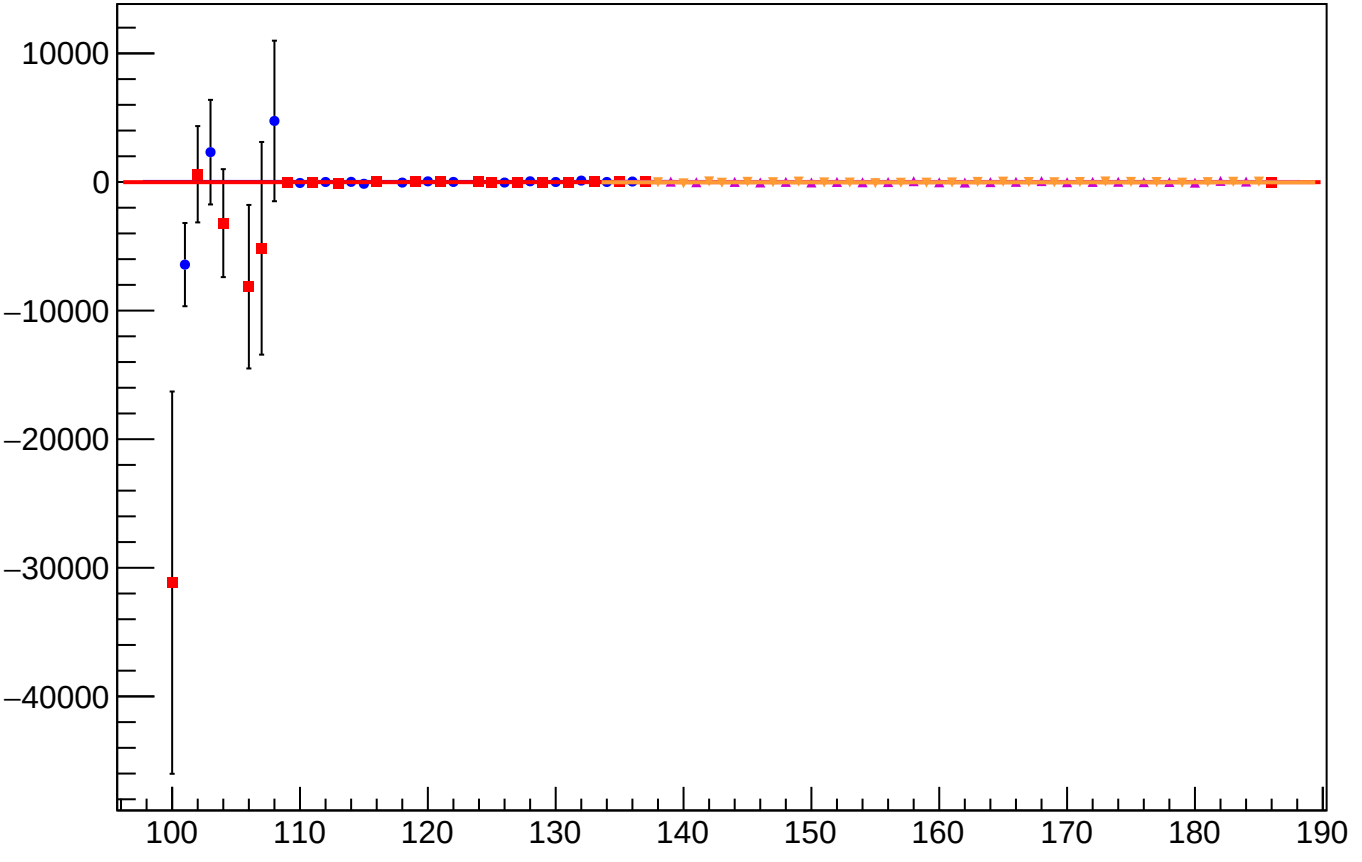
Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 199.107+/-0.029 χ^2/NDF: 5674063.5/40

All: 191.249+/-0.020 χ^2/NDF: 11721029.5/83

- sign 184.207+/-0.028 χ^2/NDF: 5910278.9/42

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -13.353+/-14.006 χ^2/NDF: 24.4/19

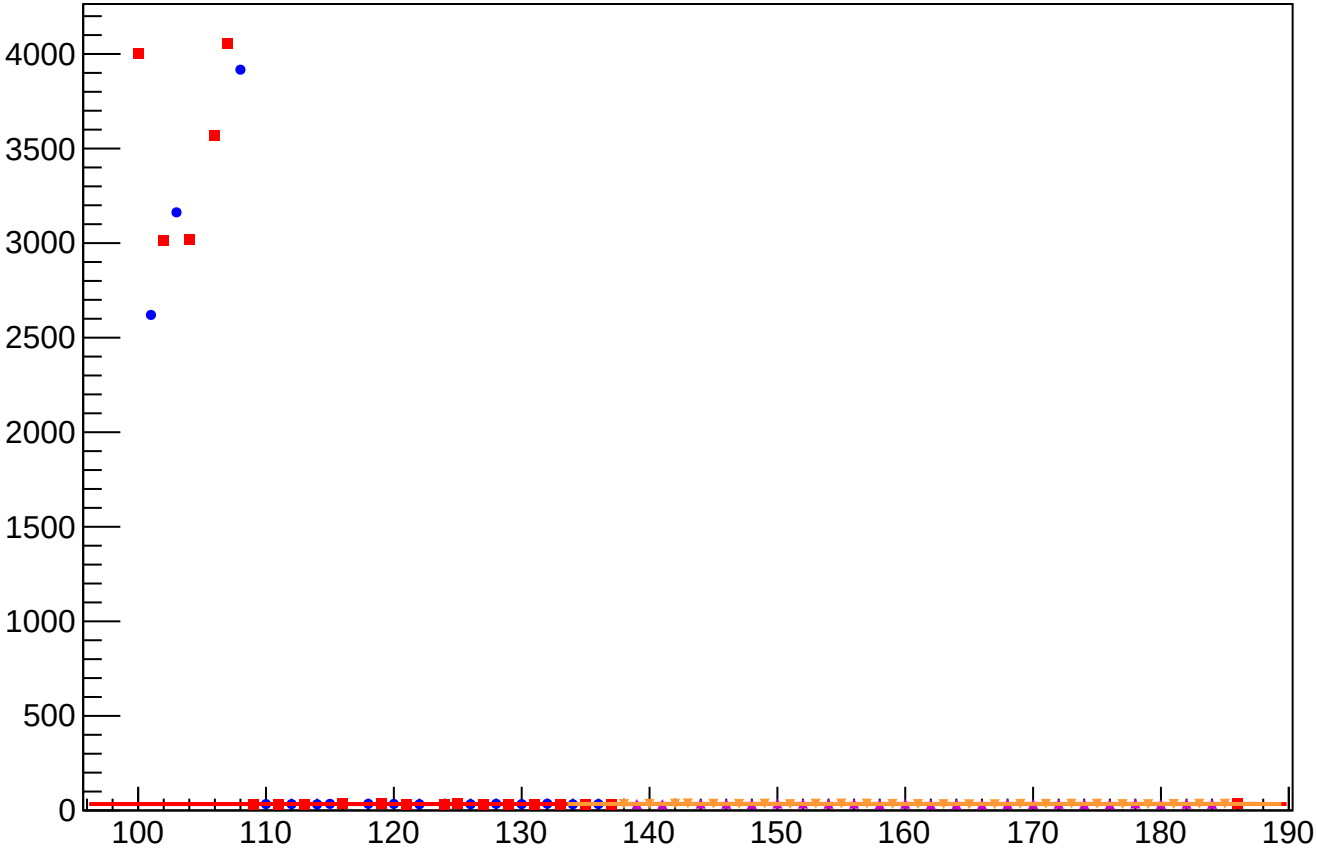
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -15.023+/-6.872 χ^2/NDF: 43.1/40

All: -7.805+/-4.904 χ^2/NDF: 89.8/83

- sign -0.314+/-7.001 χ^2/NDF: 44.4/42

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

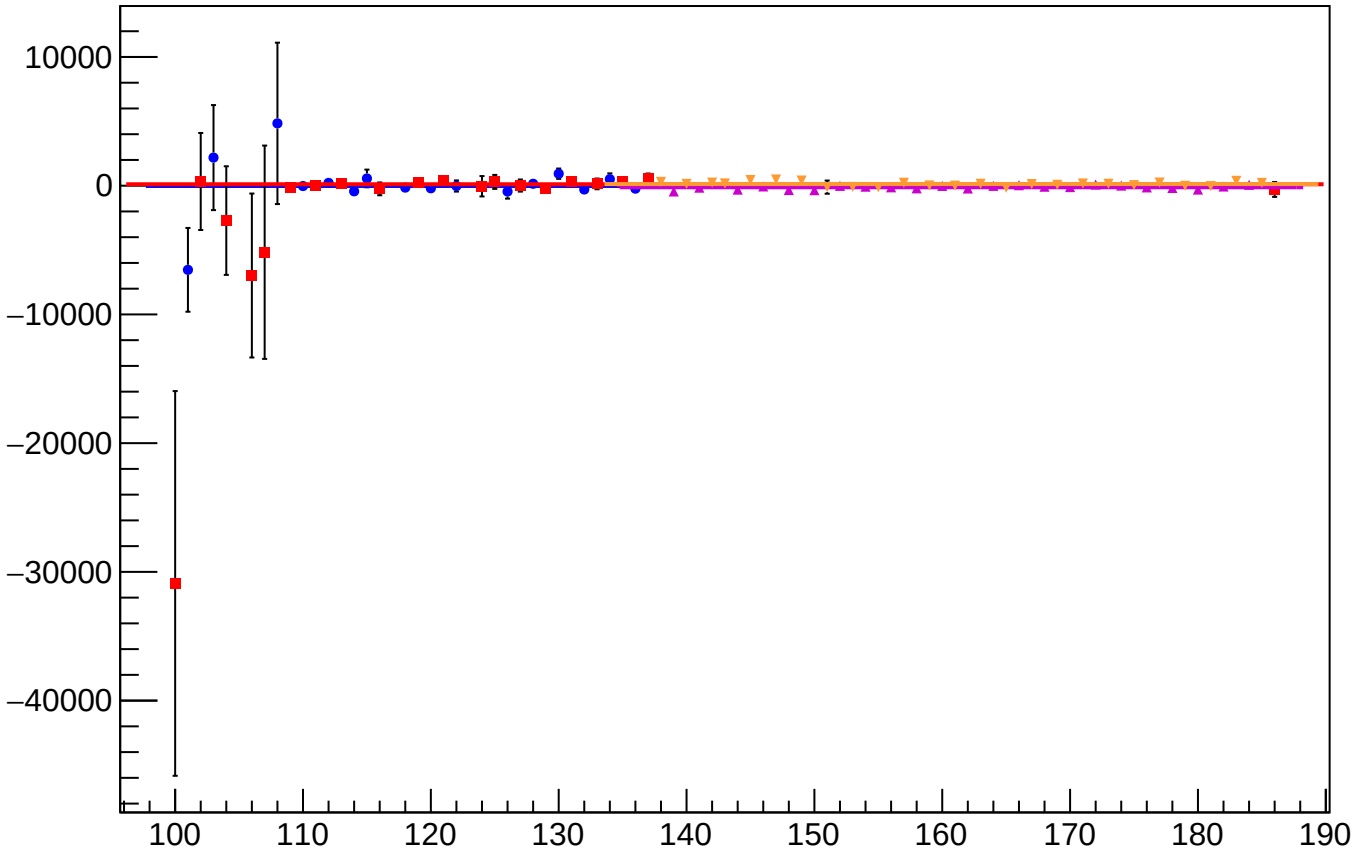
Right Out: 33.936+/-0.010 χ^2/NDF: 3533704.2/19

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.314+/-0.005 χ^2/NDF: 3291253.9/40

All: 34.355+/-0.003 χ^2/NDF: 6887291.0/83

- sign 34.398+/-0.005 χ^2/NDF: 3595891.2/42



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

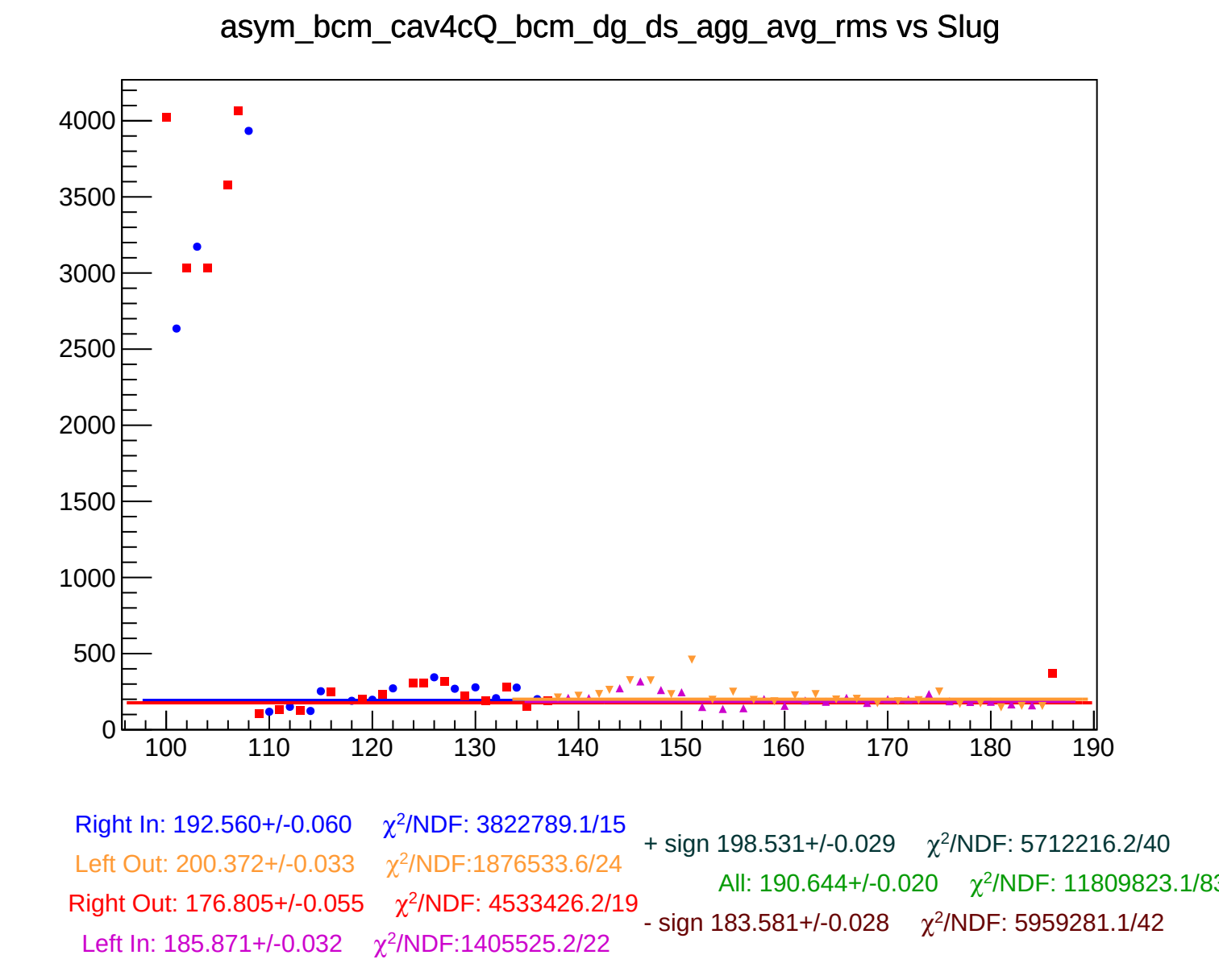
Right Out: 112.416+/-77.738 χ^2/NDF: 13.8/19

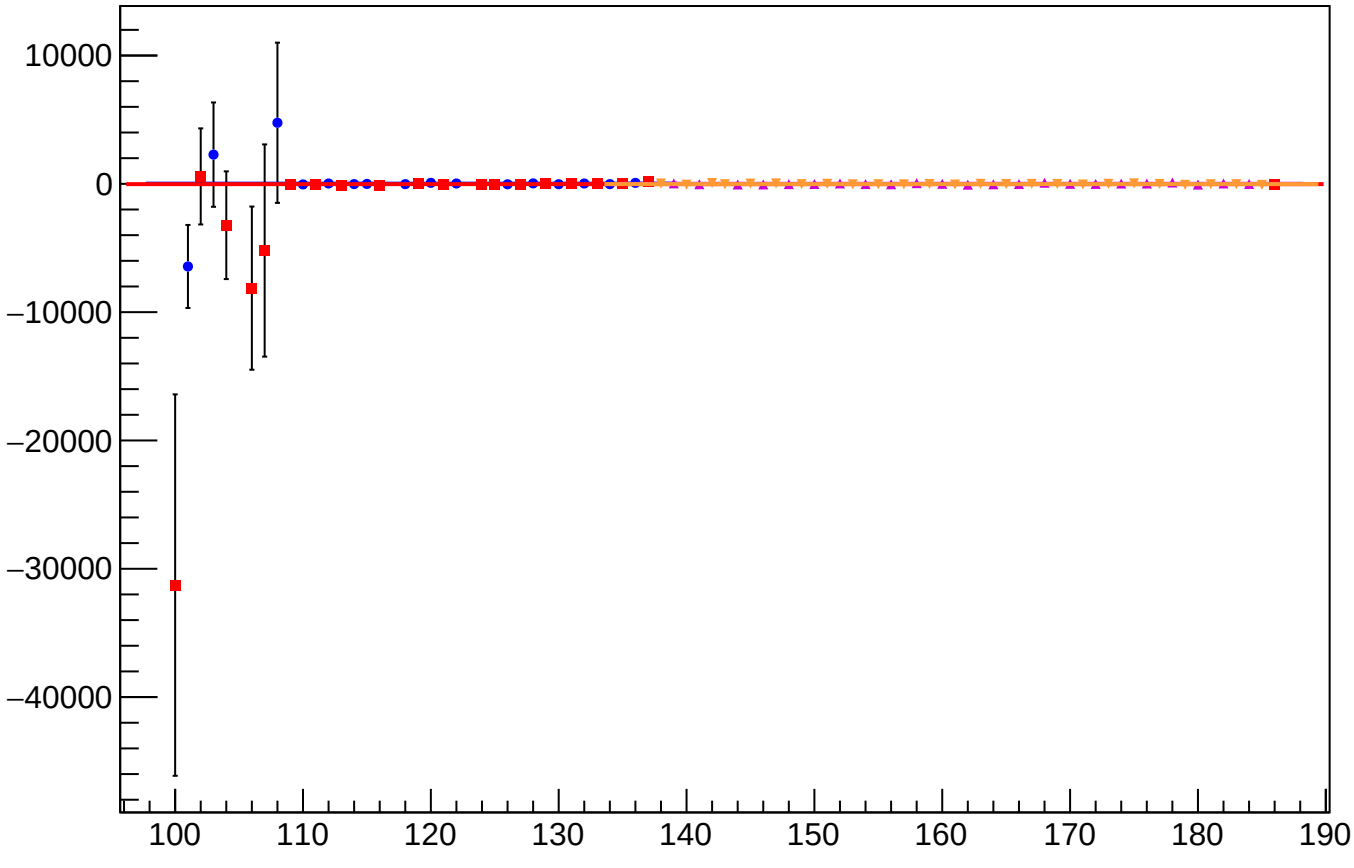
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 93.002+/-41.291 χ^2/NDF: 32.1/40

All: 10.501+/-28.381 χ^2/NDF: 68.3/83

- sign -63.381+/-39.074 χ^2/NDF: 28.6/42


asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
190
Right In: 192.560+/-0.060 χ2/NDF: 3822789.1/15
Left Out: 200.372+/-0.033 χ2/NDF:1876533.6/24
Right Out: 176.805+/-0.055 χ2/NDF: 4533426.2/19
Left In: 185.871+/-0.032 χ2/NDF:1405525.2/22
+ sign 198.531+/-0.029 χ2/NDF: 5712216.2/40
All: 190.644+/-0.020 χ2/NDF: 11809823.1/83
- sign 183.581+/-0.028 χ2/NDF: 5959281.1/42



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -24.108+/-12.801 χ^2/NDF: 28.8/19

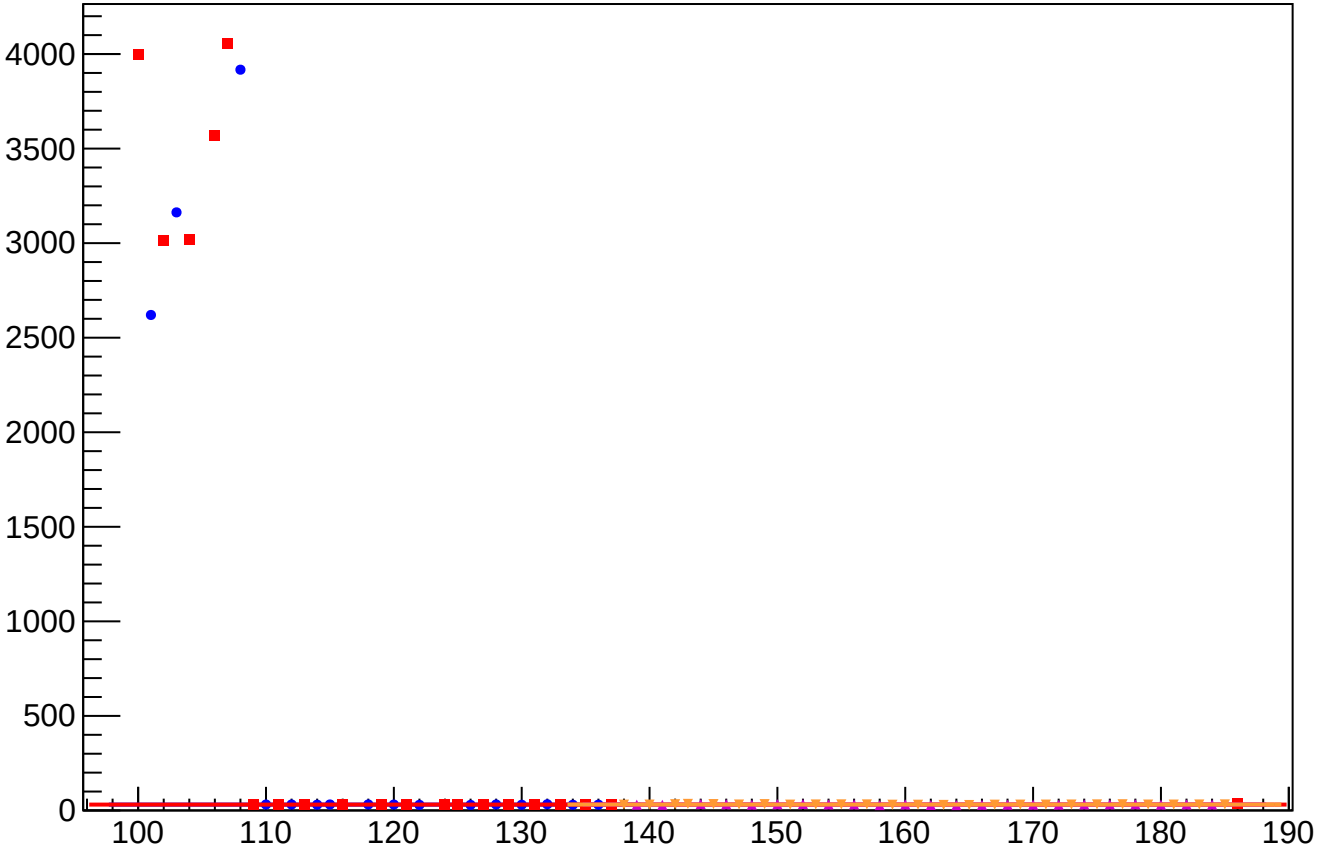
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -11.160+/-6.262 χ^2/NDF: 40.6/40

All: -7.612+/-4.466 χ^2/NDF: 108.8/83

- sign -3.937+/-6.373 χ^2/NDF: 67.6/42

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

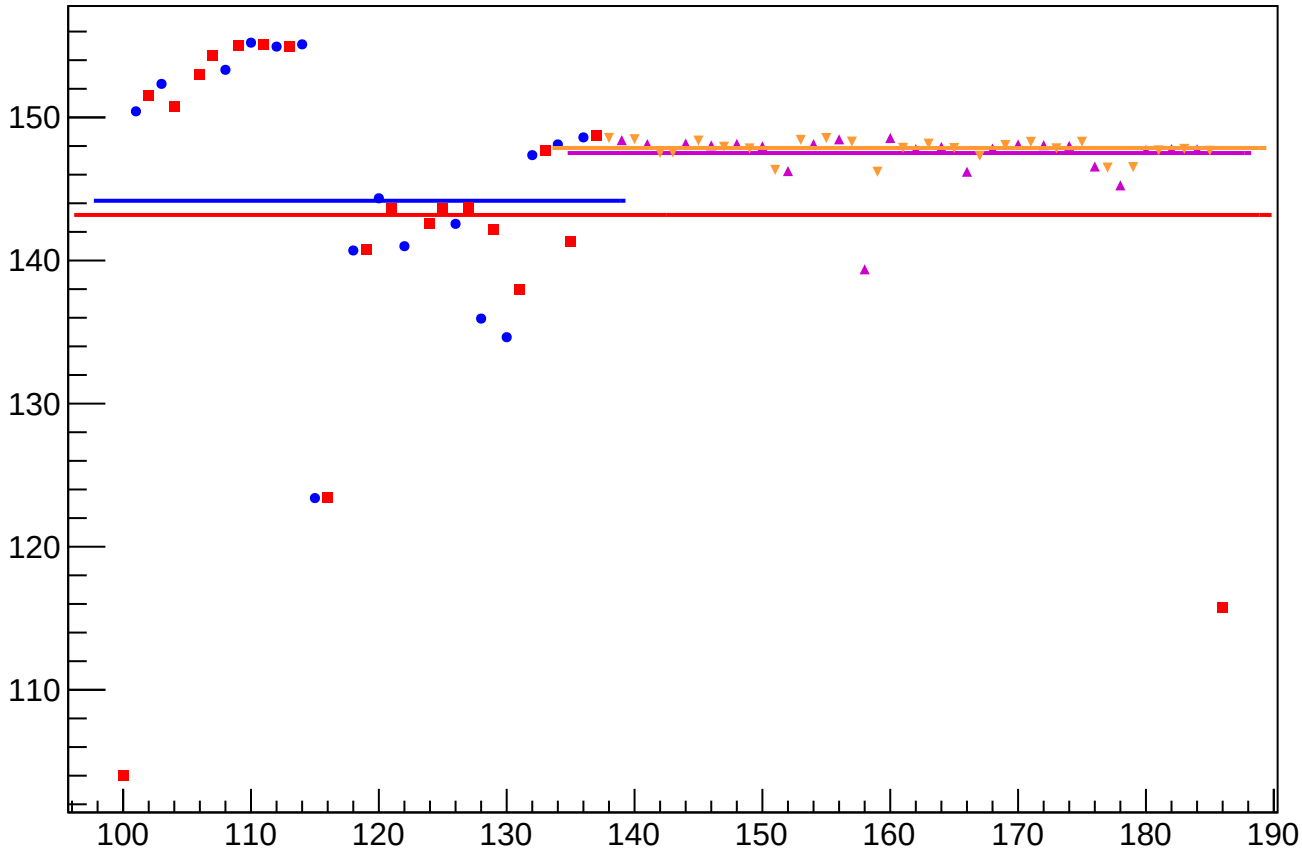
Right Out: 30.989+/-0.009 χ^2/NDF: 3545372.0/19

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 31.245+/-0.004 χ^2/NDF: 3317154.2/40

All: 31.264+/-0.003 χ^2/NDF: 6949188.7/83

- sign 31.283+/-0.005 χ^2/NDF: 3631999.4/42



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 143.185+/-0.000 χ^2/NDF: 6069615691.8/19

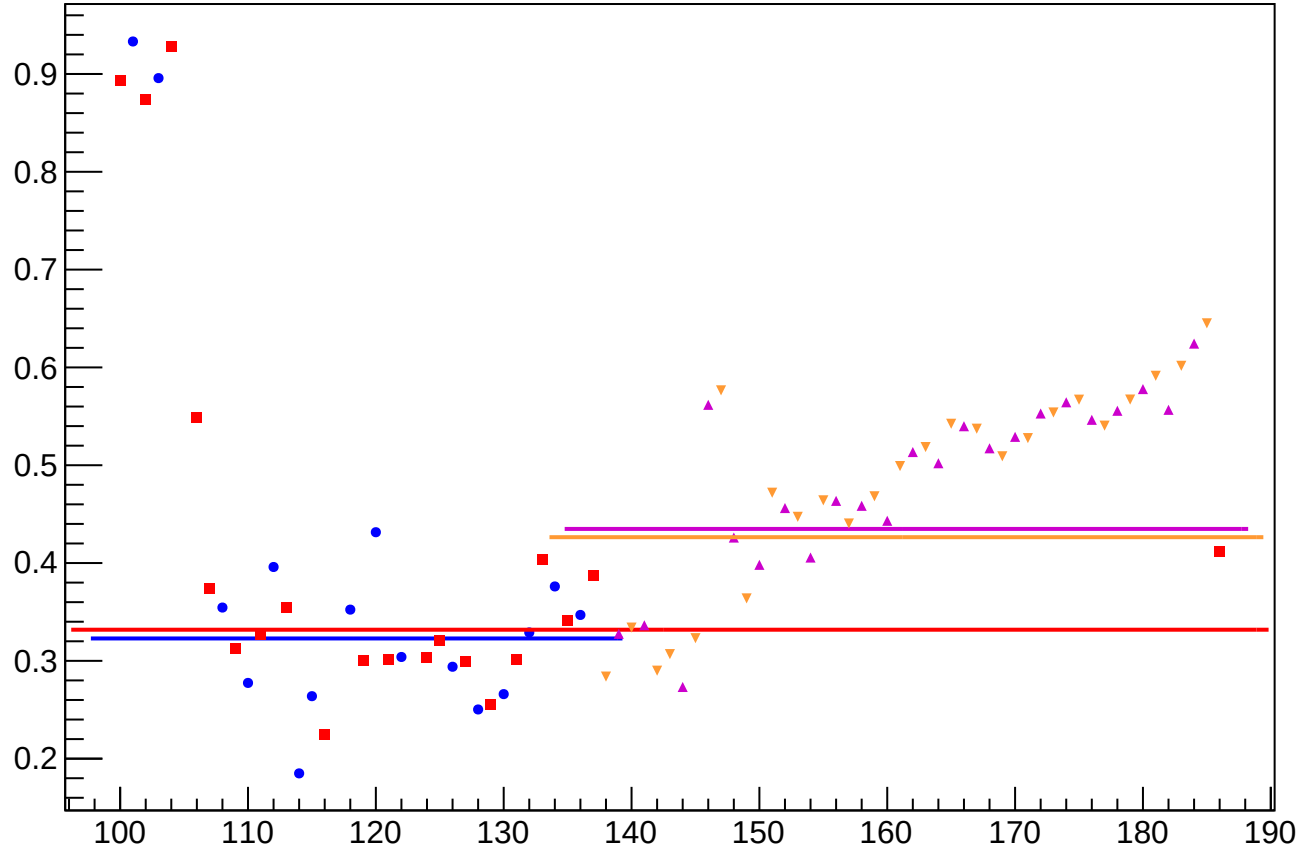
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.498+/-0.000 χ^2/NDF: 4258385947.9/40

All: 146.153+/-0.000 χ^2/NDF: 11335151535.

- sign 145.793+/-0.000 χ^2/NDF: 7039177289.9/42

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

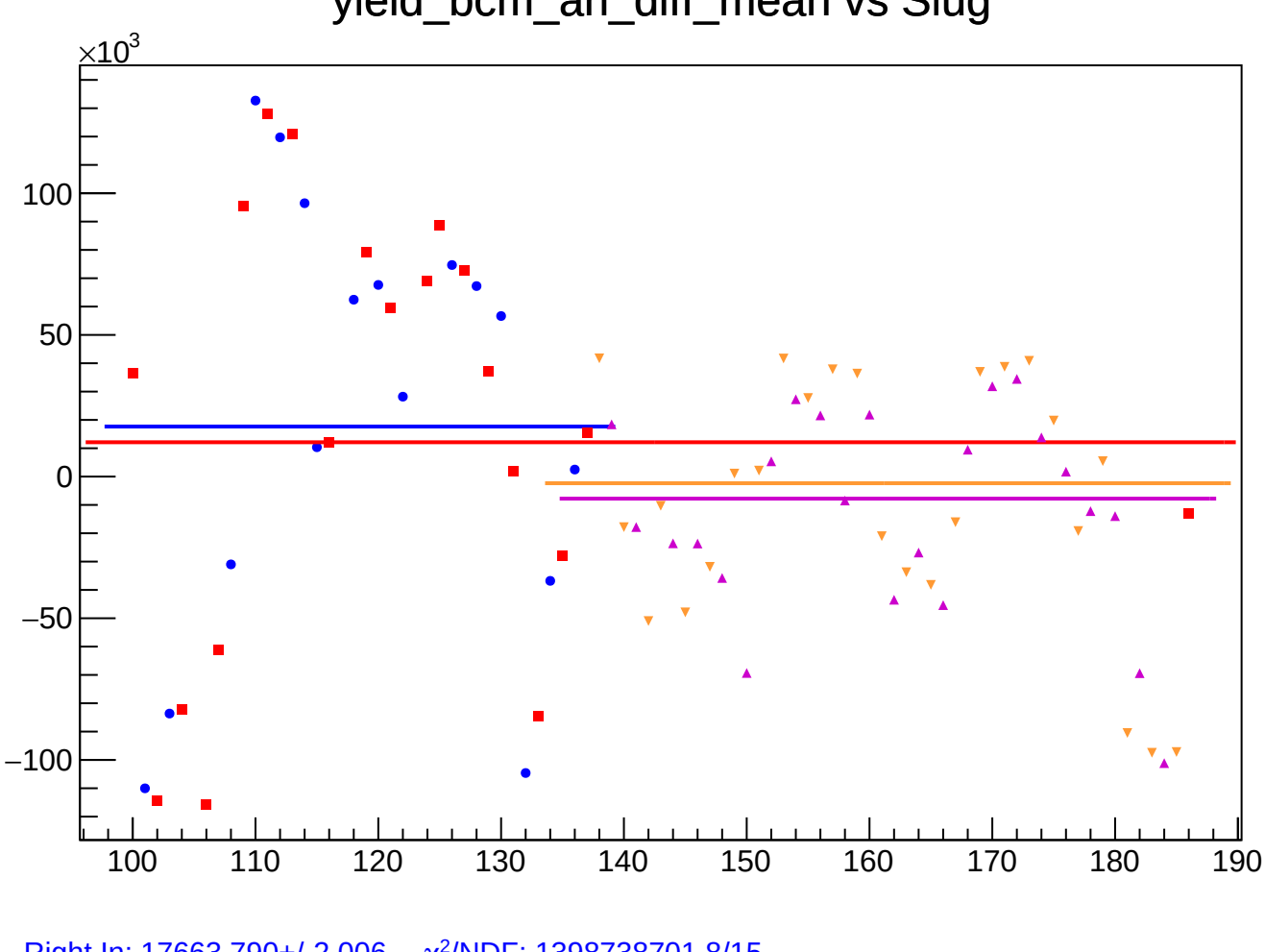
Right Out: 0.332+/-0.000 χ^2/NDF: 1334855.2/19

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.388+/-0.000 χ^2/NDF: 4425603.6/40

All: 0.391+/-0.000 χ^2/NDF: 8292894.0/83

- sign 0.394+/-0.000 χ^2/NDF: 3862088.5/42



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: 12115.555+/-1.868 χ^2/NDF: 1868083027.0/19

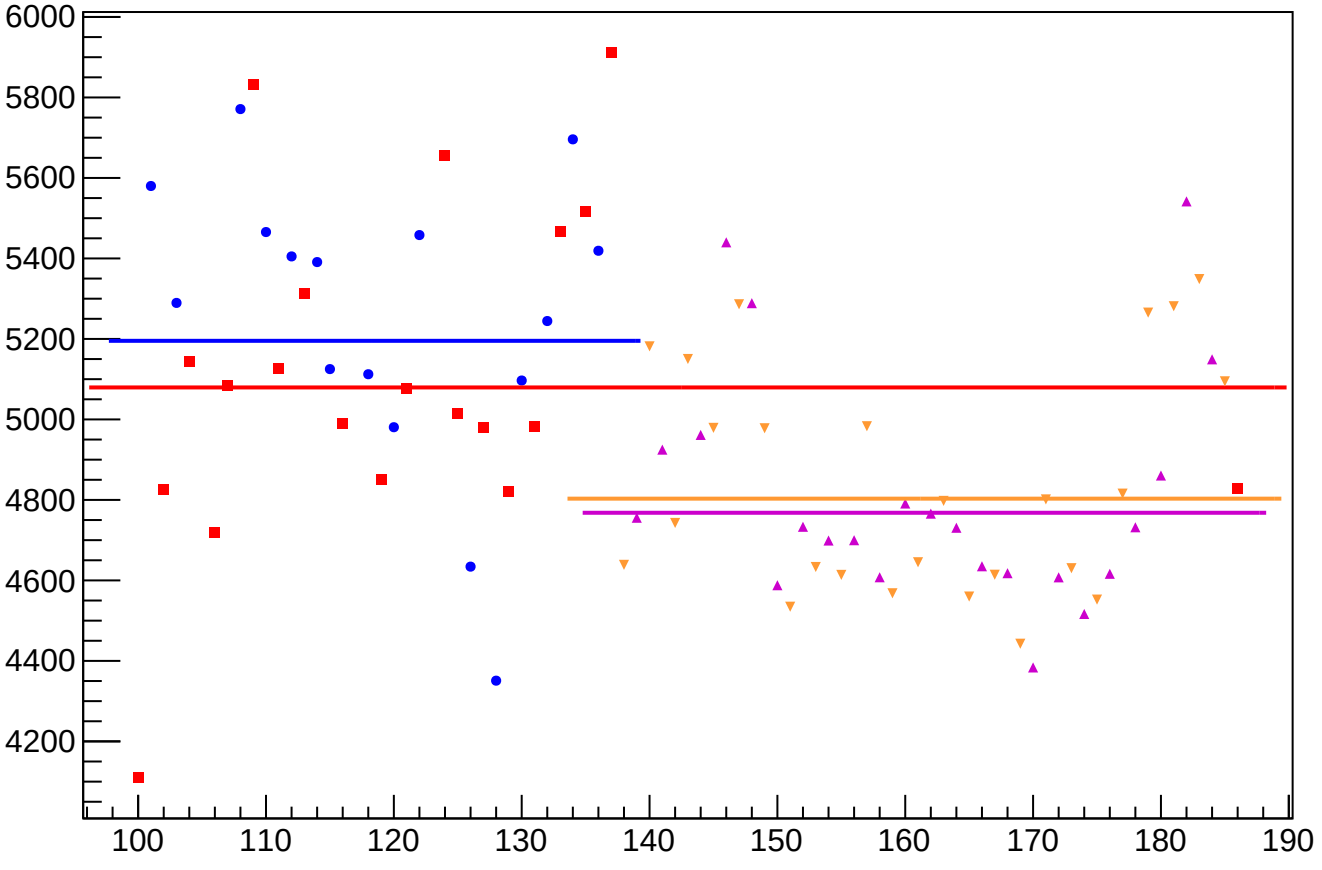
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign 2432.951+/-0.980 χ^2/NDF: 2704535935.4/40

All: 29.009+/-0.692 χ^2/NDF: 5429646004.8/8

- sign -2354.822+/-0.976 χ^2/NDF: 2713126382.1/42

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

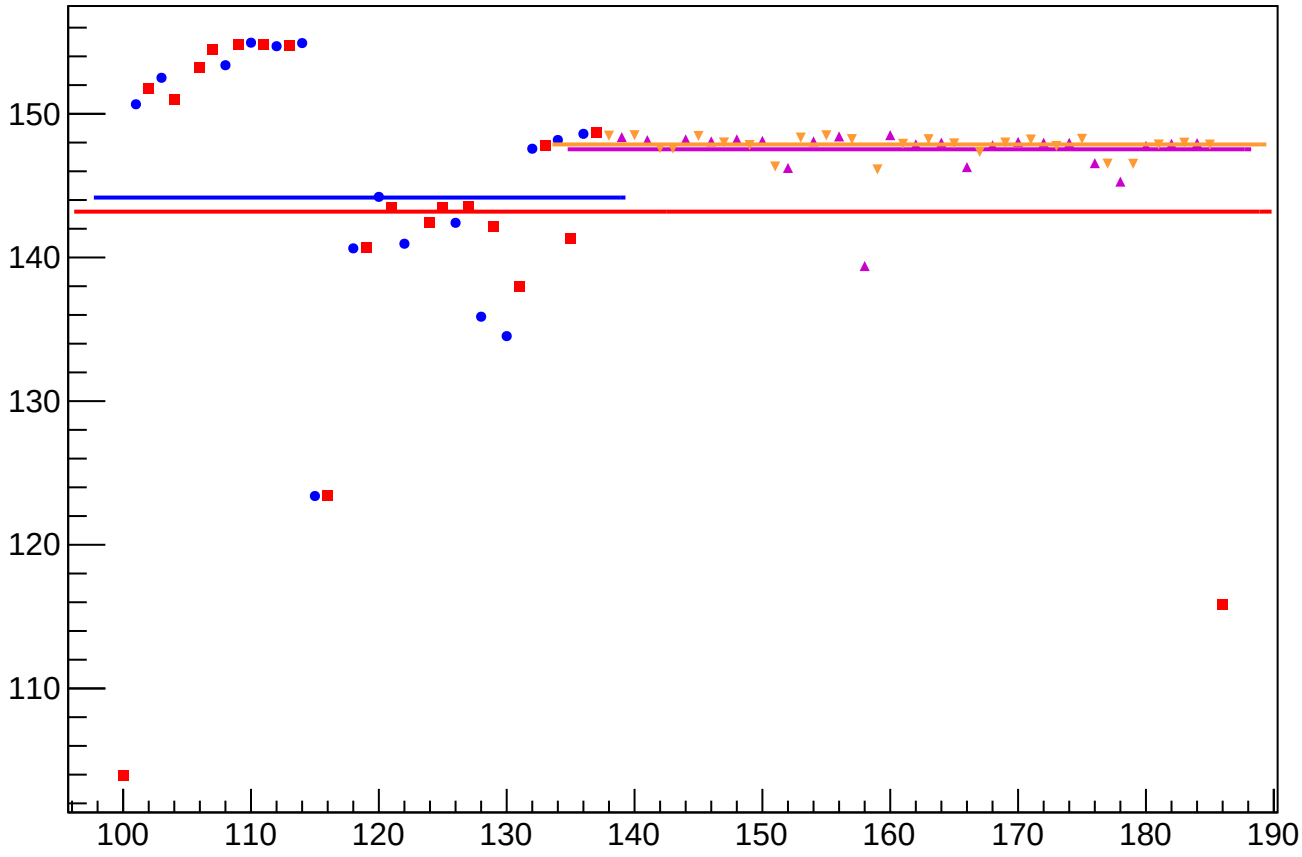
Right Out: 5079.467+/-1.321 χ^2/NDF: 61357.1/19

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 4896.780+/-0.693 χ^2/NDF: 250059.2/40

All: 4874.828+/-0.489 χ^2/NDF: 456185.6/83

- sign 4853.061+/-0.690 χ^2/NDF: 204127.9/42



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

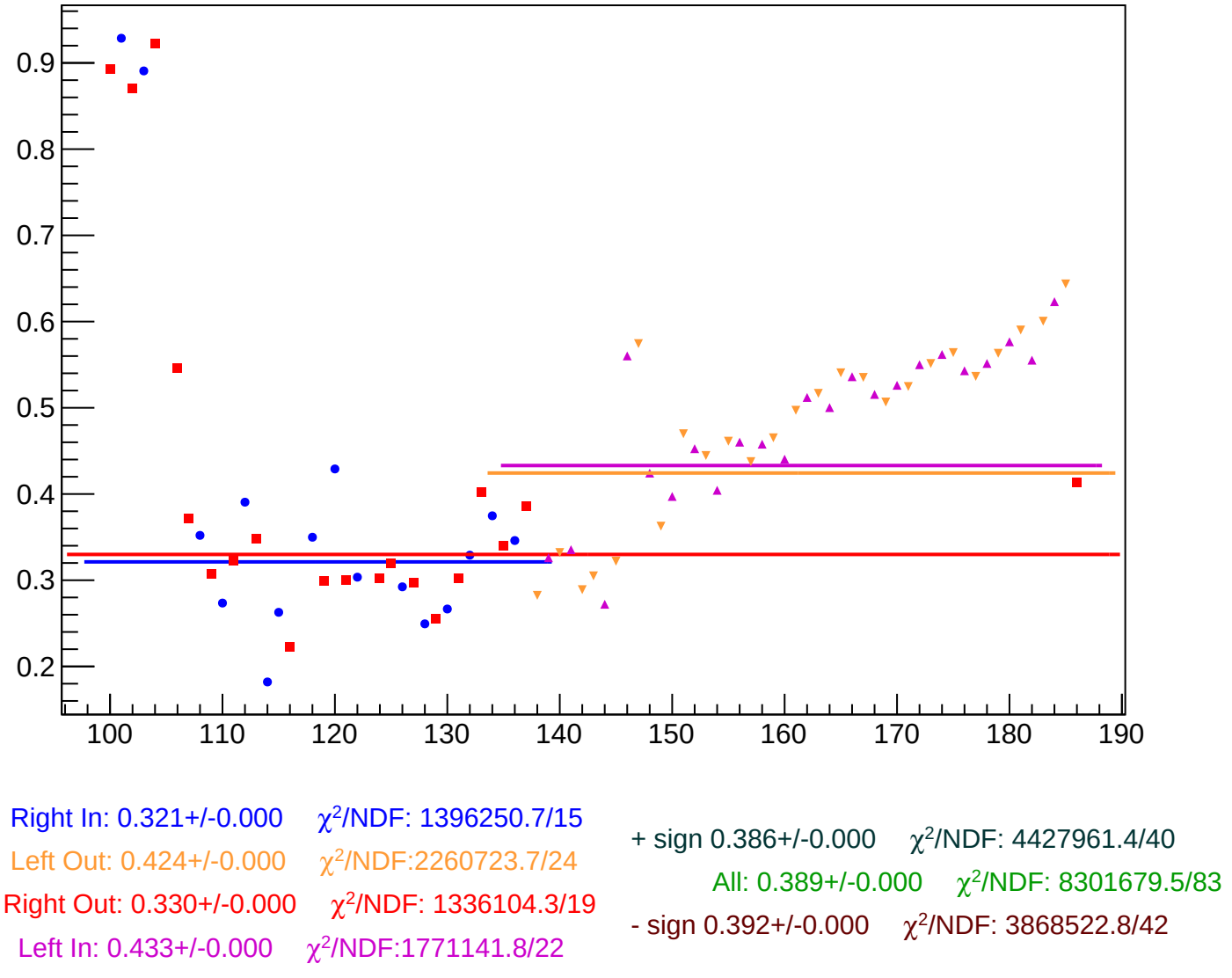
Right Out: 143.191+/-0.000 χ^2/NDF: 6072148275.2/19

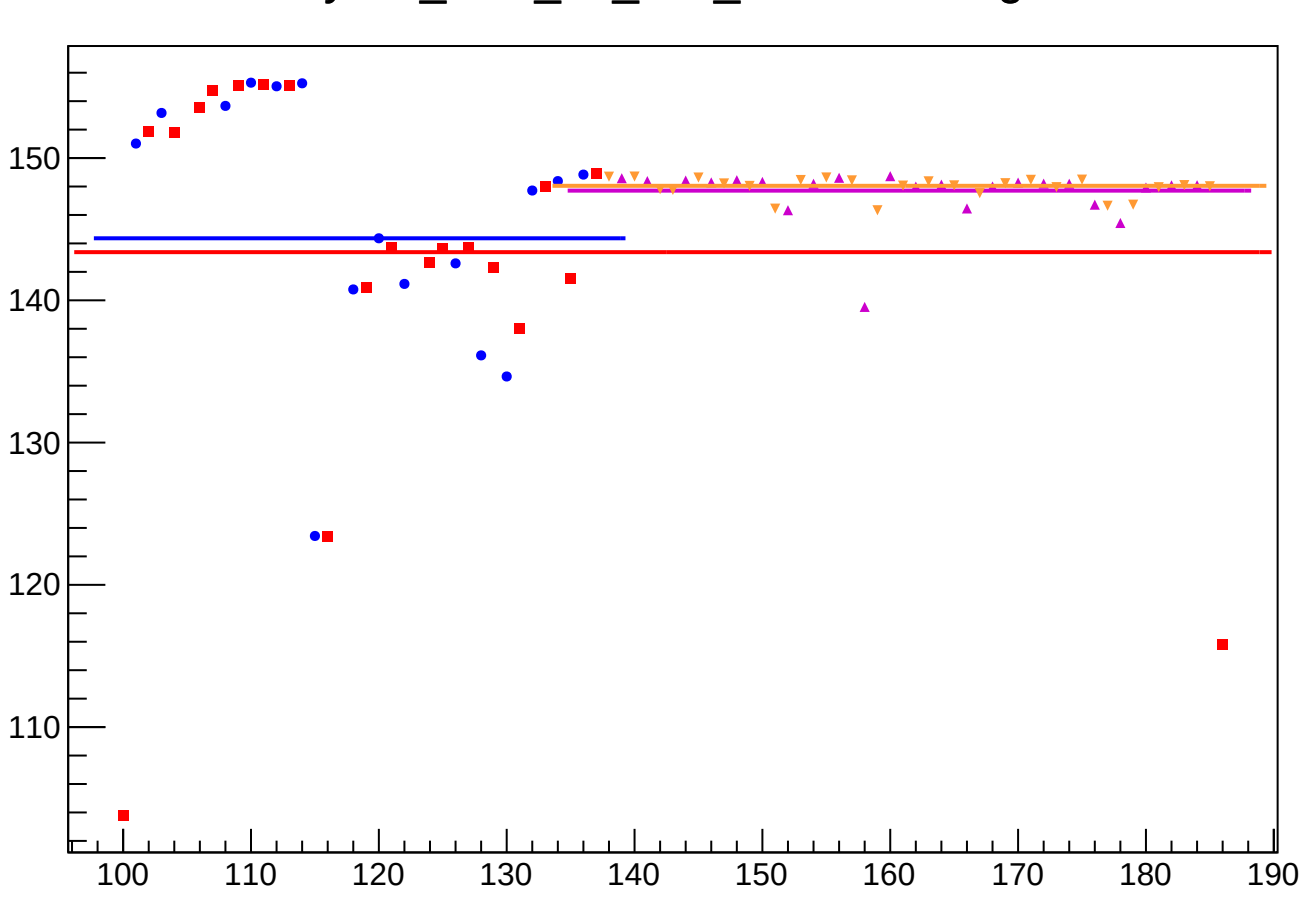
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.500+/-0.000 χ^2/NDF: 4305604155.0/40

All: 146.160+/-0.000 χ^2/NDF: 11395862229.

- sign 145.805+/-0.000 χ^2/NDF: 7053450245.9/42


yield_bcm_an_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: 0.321+/-0.000 χ²/NDF: 1396250.7/15
Left Out: 0.424+/-0.000 χ²/NDF:2260723.7/24
Right Out: 0.330+/-0.000 χ²/NDF: 1336104.3/19
Left In: 0.433+/-0.000 χ²/NDF:1771141.8/22
+ sign 0.386+/-0.000 χ²/NDF: 4427961.4/40
All: 0.389+/-0.000 χ²/NDF: 8301679.5/83
- sign 0.392+/-0.000 χ²/NDF: 3868522.8/42



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 143.386+/-0.000 χ^2/NDF: 6041134274.7/19

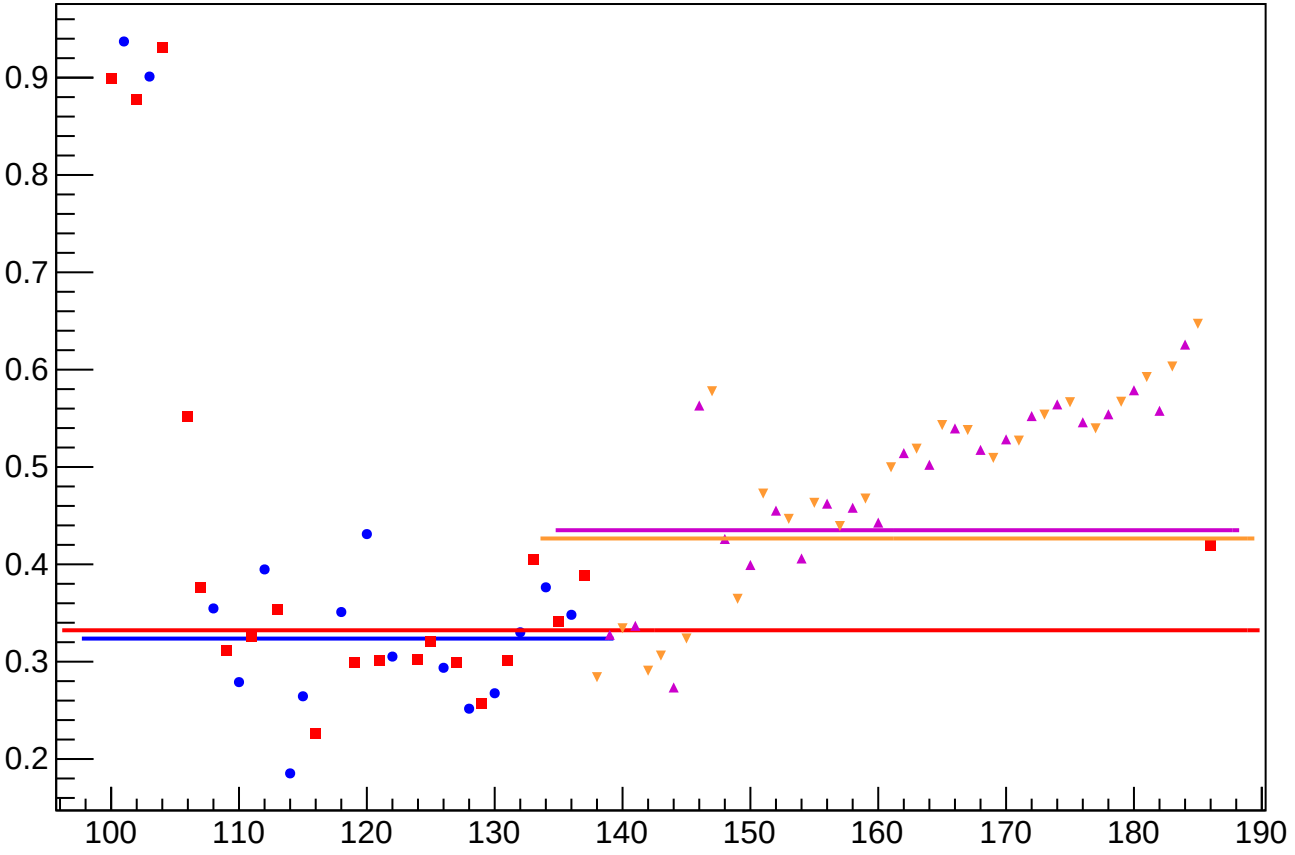
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.687+/-0.000 χ^2/NDF: 4290948677.5/40

All: 146.348+/-0.000 χ^2/NDF: 11340963230.

- sign 145.995+/-0.000 χ^2/NDF: 7013990692.1/42

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

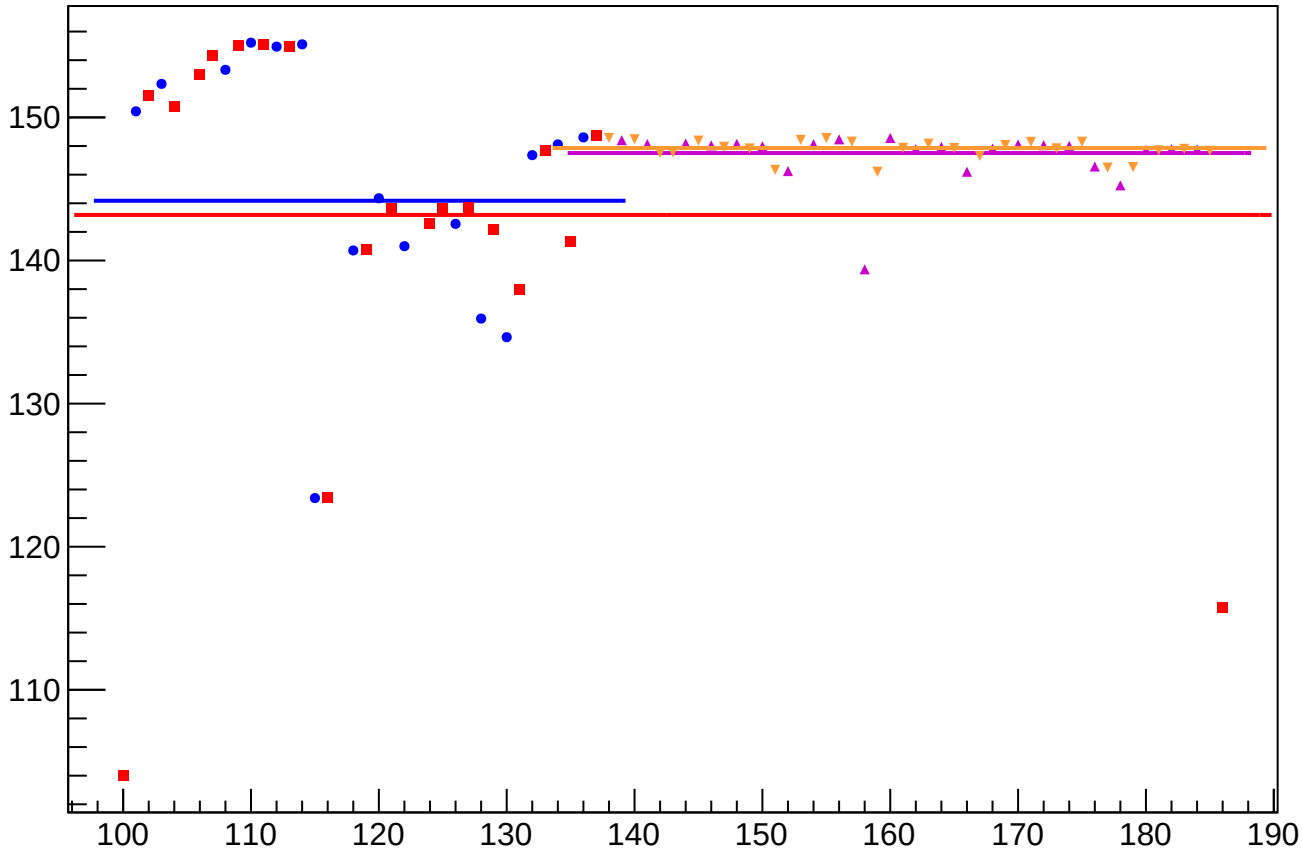
Right Out: 0.332+/-0.000 χ^2/NDF: 1338277.0/19

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.389+/-0.000 χ^2/NDF: 4407578.6/40

All: 0.391+/-0.000 χ^2/NDF: 8267574.6/83

- sign 0.394+/-0.000 χ^2/NDF: 3855069.0/42



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

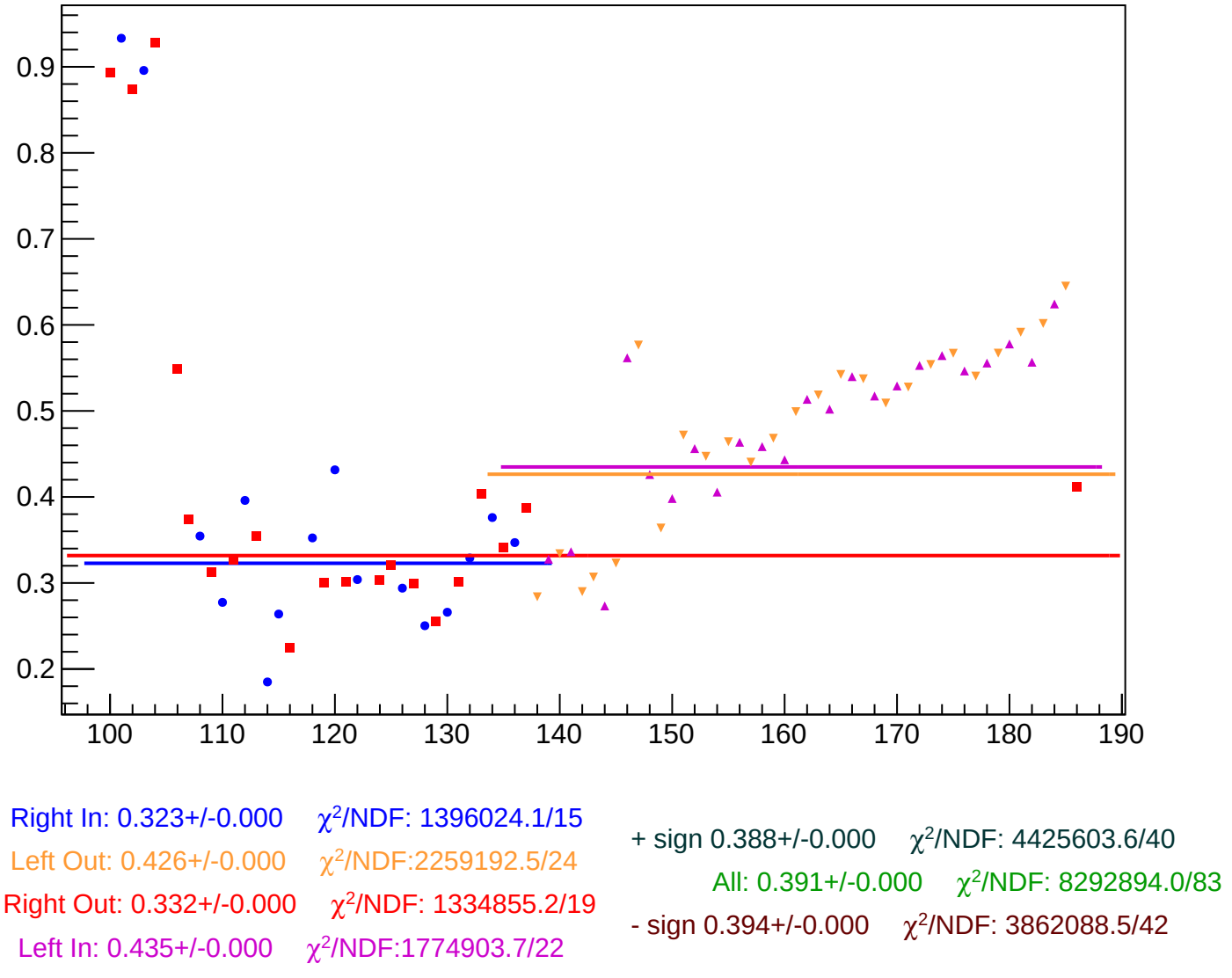
Right Out: 143.185+/-0.000 χ^2/NDF: 6069615691.8/19

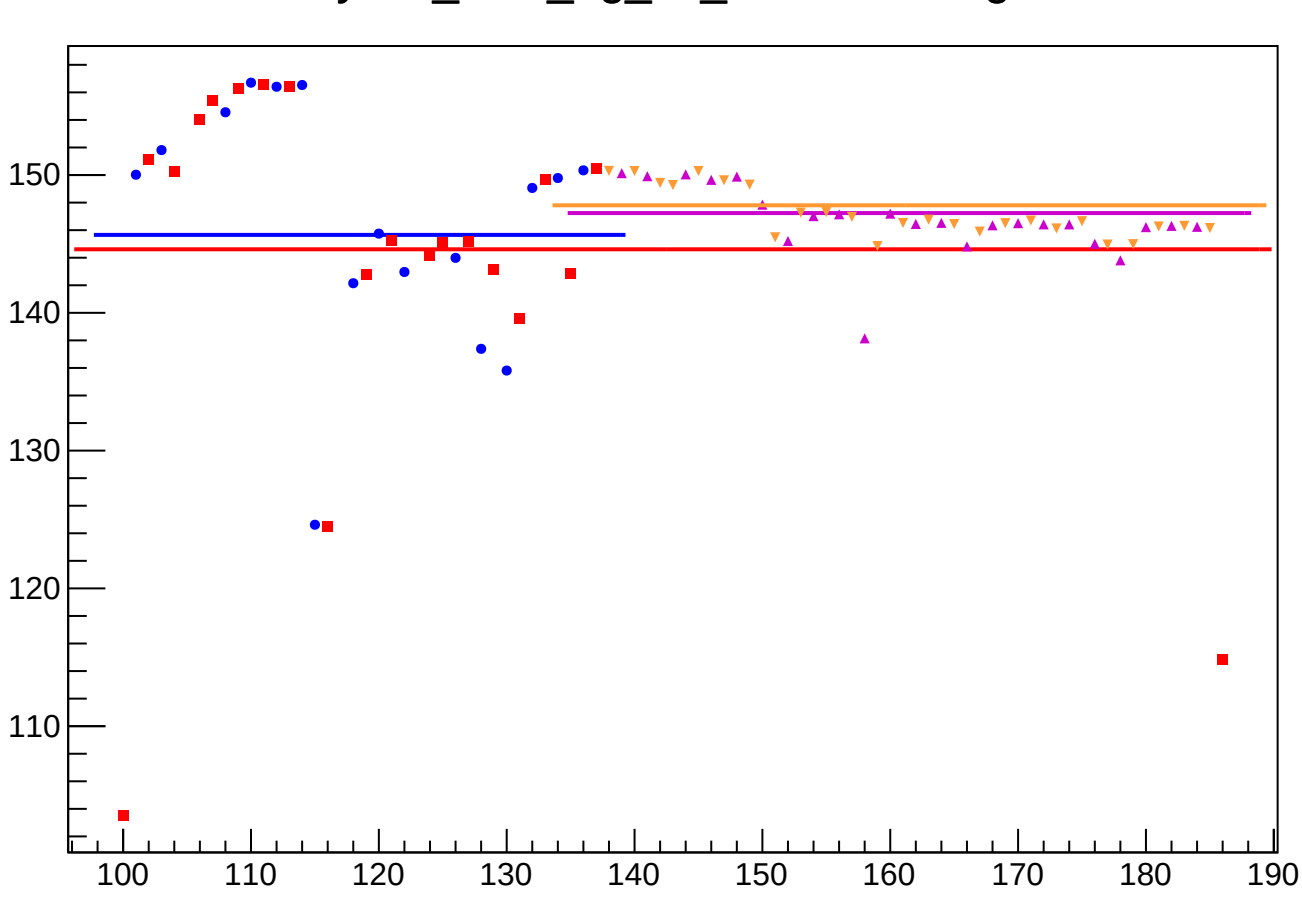
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.498+/-0.000 χ^2/NDF: 4258385947.9/40

All: 146.153+/-0.000 χ^2/NDF: 11335151535.

- 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: 0.323+/-0.000 χ²/NDF: 1396024.1/15
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: 4425603.6/40
All: 0.391+/-0.000 χ²/NDF: 8292894.0/83
- sign 0.394+/-0.000 χ²/NDF: 3862088.5/42



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

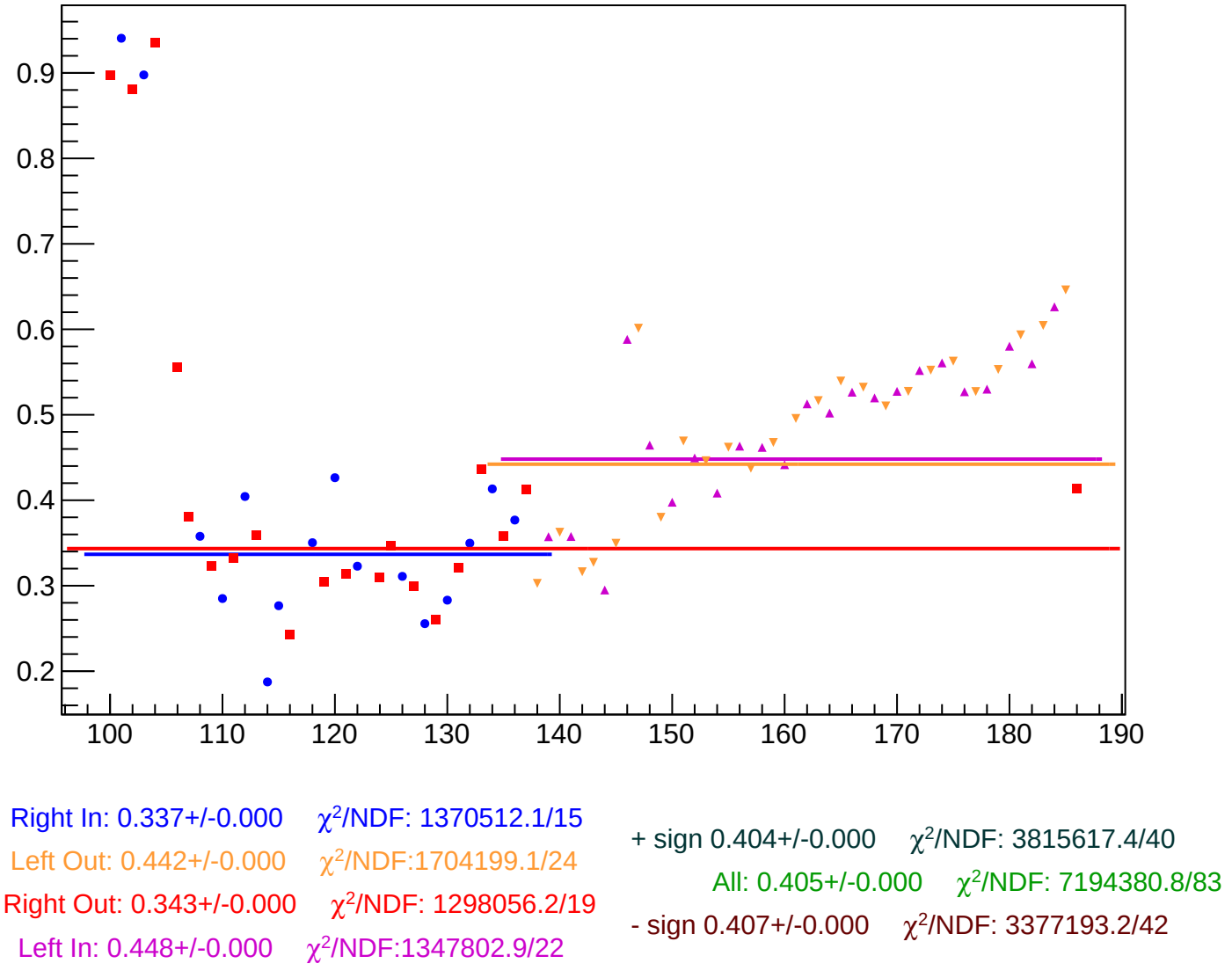
Right Out: 144.611+/-0.000 χ^2/NDF: 5975995272.8/19

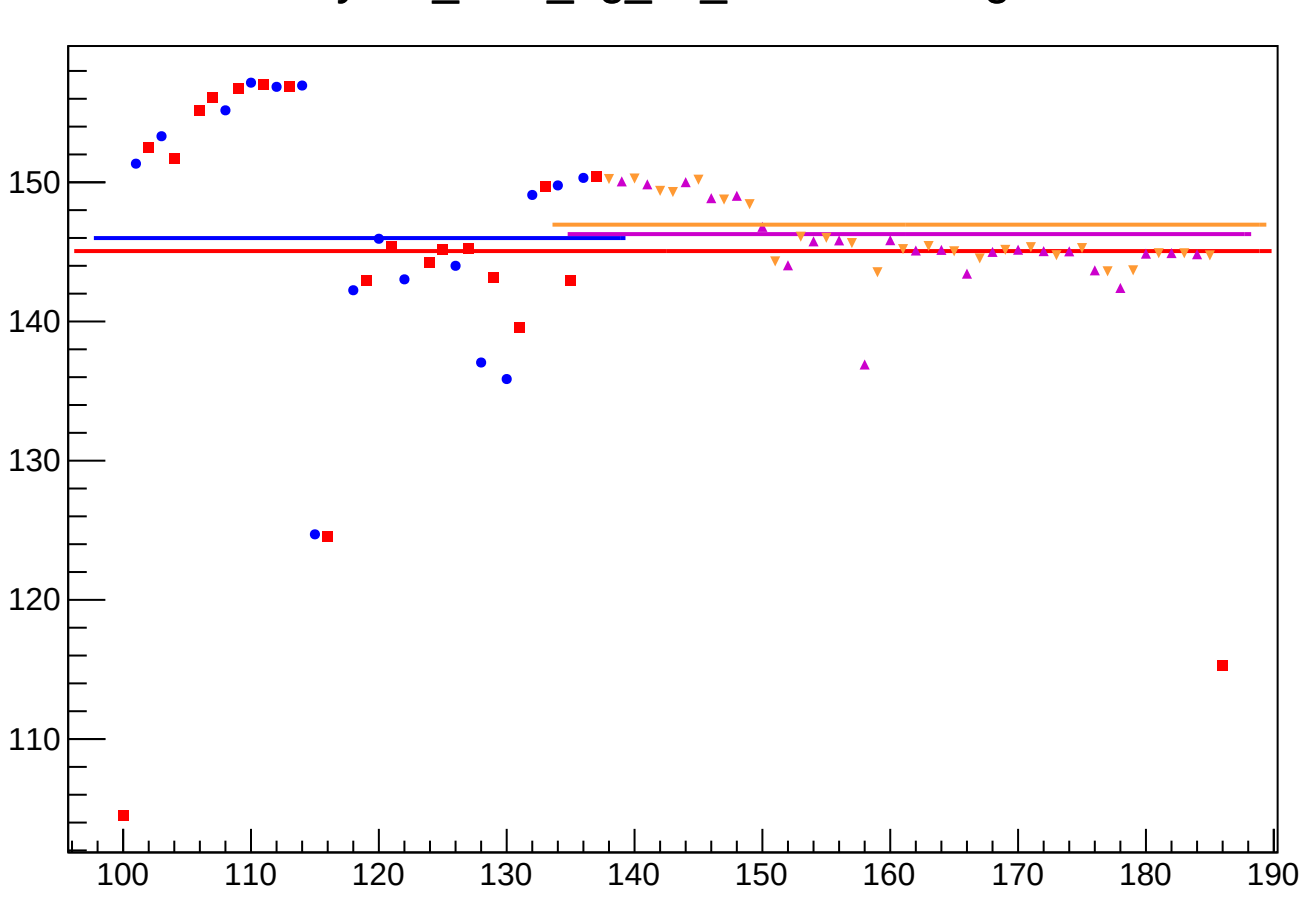
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 147.022+/-0.000 χ^2/NDF: 3962266535.9/40

All: 146.621+/-0.000 χ^2/NDF: 10834286791.

- sign 146.210+/-0.000 χ^2/NDF: 6825251093.7/42


yield_bcm_dg_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: 0.337+/-0.000 χ²/NDF: 1370512.1/15
Left Out: 0.442+/-0.000 χ²/NDF:1704199.1/24
Right Out: 0.343+/-0.000 χ²/NDF: 1298056.2/19
Left In: 0.448+/-0.000 χ²/NDF:1347802.9/22
+ sign 0.404+/-0.000 χ²/NDF: 3815617.4/40
All: 0.405+/-0.000 χ²/NDF: 7194380.8/83
- sign 0.407+/-0.000 χ²/NDF: 3377193.2/42



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 145.059+/-0.000 χ^2/NDF: 6054018658.5/19

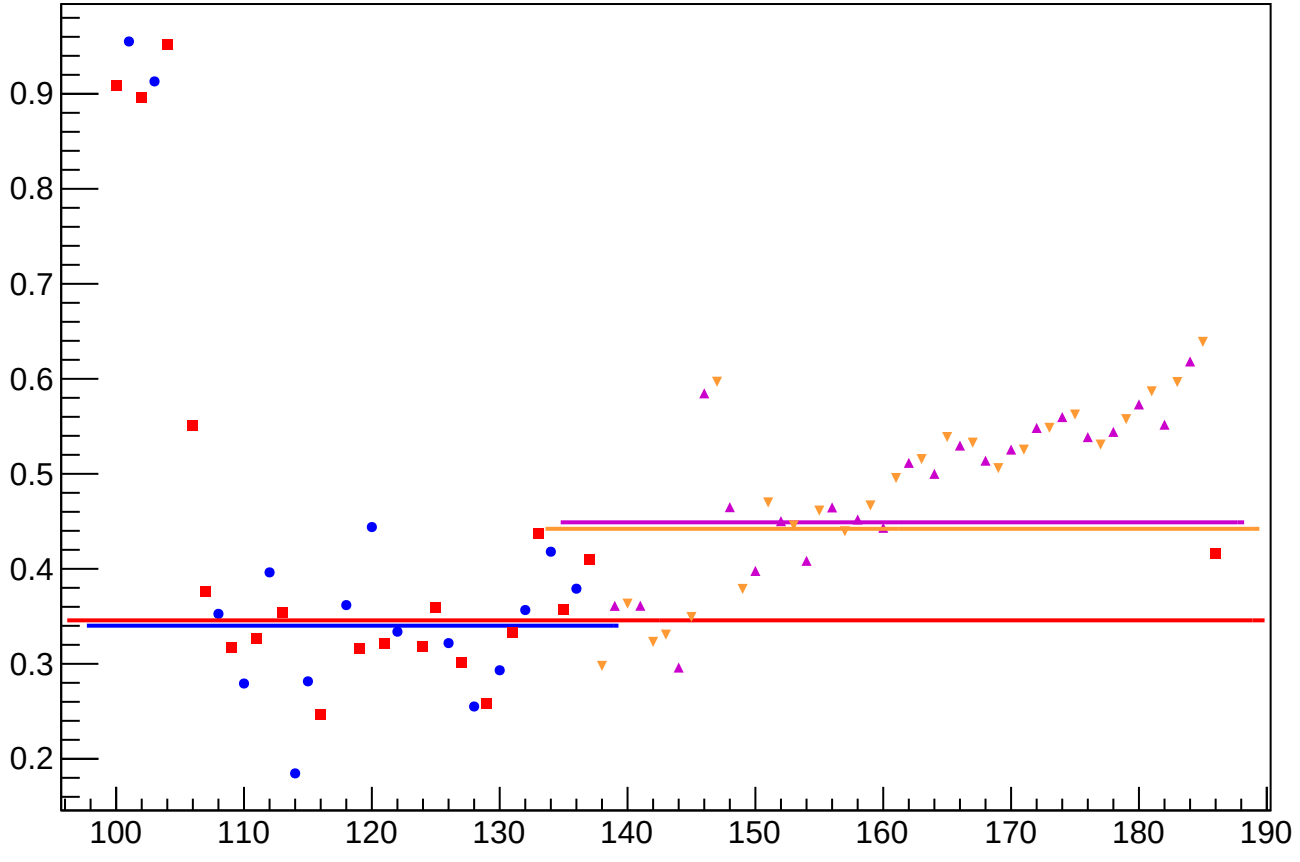
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.610+/-0.000 χ^2/NDF: 4194897190.6/40

All: 146.212+/-0.000 χ^2/NDF: 11168880180.

- sign 145.803+/-0.000 χ^2/NDF: 6928214455.4/42

yield_bcm_dg_ds_rms vs Slug



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.346+/-0.000 χ^2/NDF: 1293884.4/19

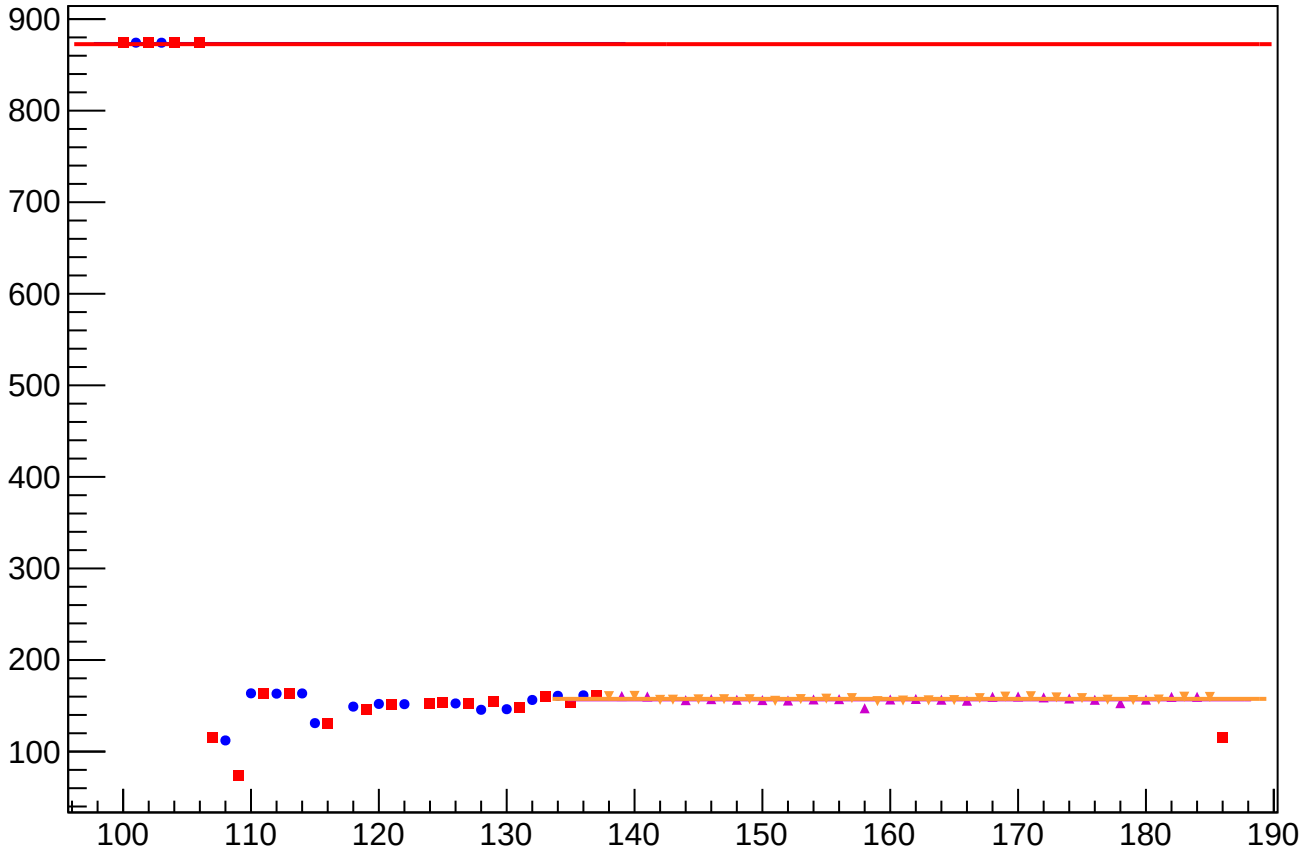
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.406+/-0.000 χ^2/NDF: 3752722.7/40

All: 0.407+/-0.000 χ^2/NDF: 7051220.3/83

- sign 0.409+/-0.000 χ^2/NDF: 3296961.9/42

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 872.622+/-0.000 χ^2/NDF: 9501357559161.5/19

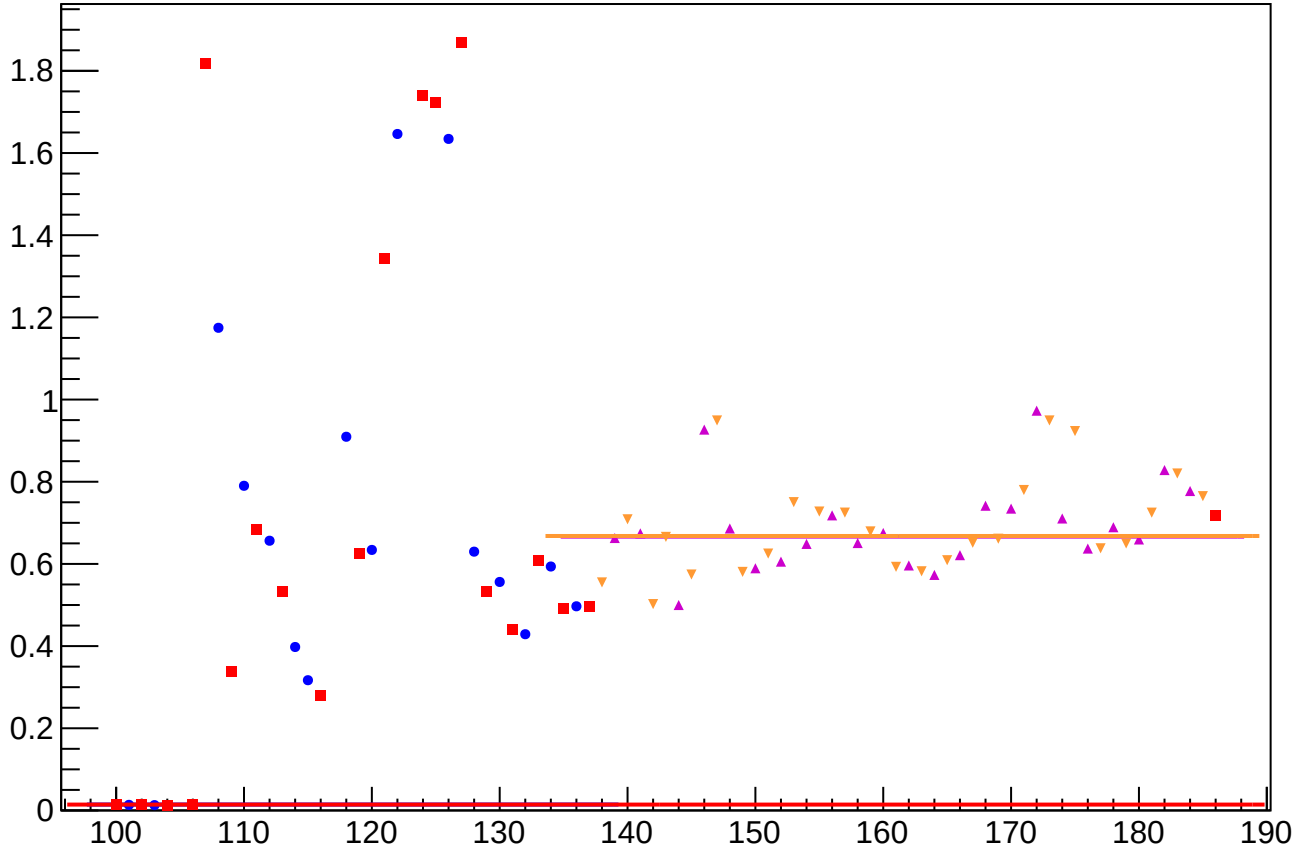
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 869.437+/-0.000 χ^2/NDF: 24442618267730.

All: 869.635+/-0.000 χ^2/NDF: 504758858167

- sign 869.808+/-0.000 χ^2/NDF: 26032738845234.1

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.014+/-0.000 χ^2/NDF: 9984568.9/19

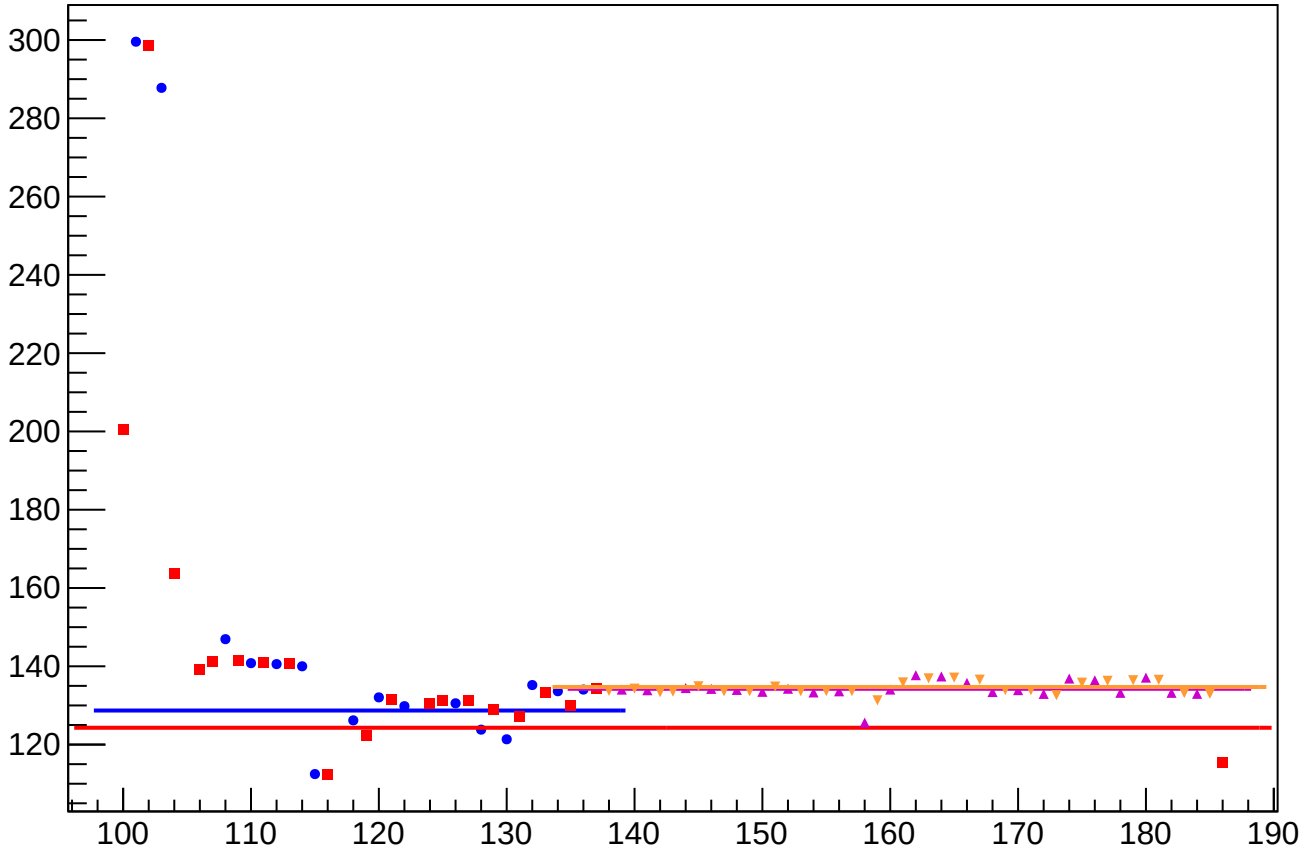
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.017+/-0.000 χ^2/NDF: 39113477.7/40

All: 0.017+/-0.000 χ^2/NDF: 77097458.9/83

- sign 0.017+/-0.000 χ^2/NDF: 37981035.0/42

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 124.299+/-0.000 χ^2/NDF: 1483259463.1/19

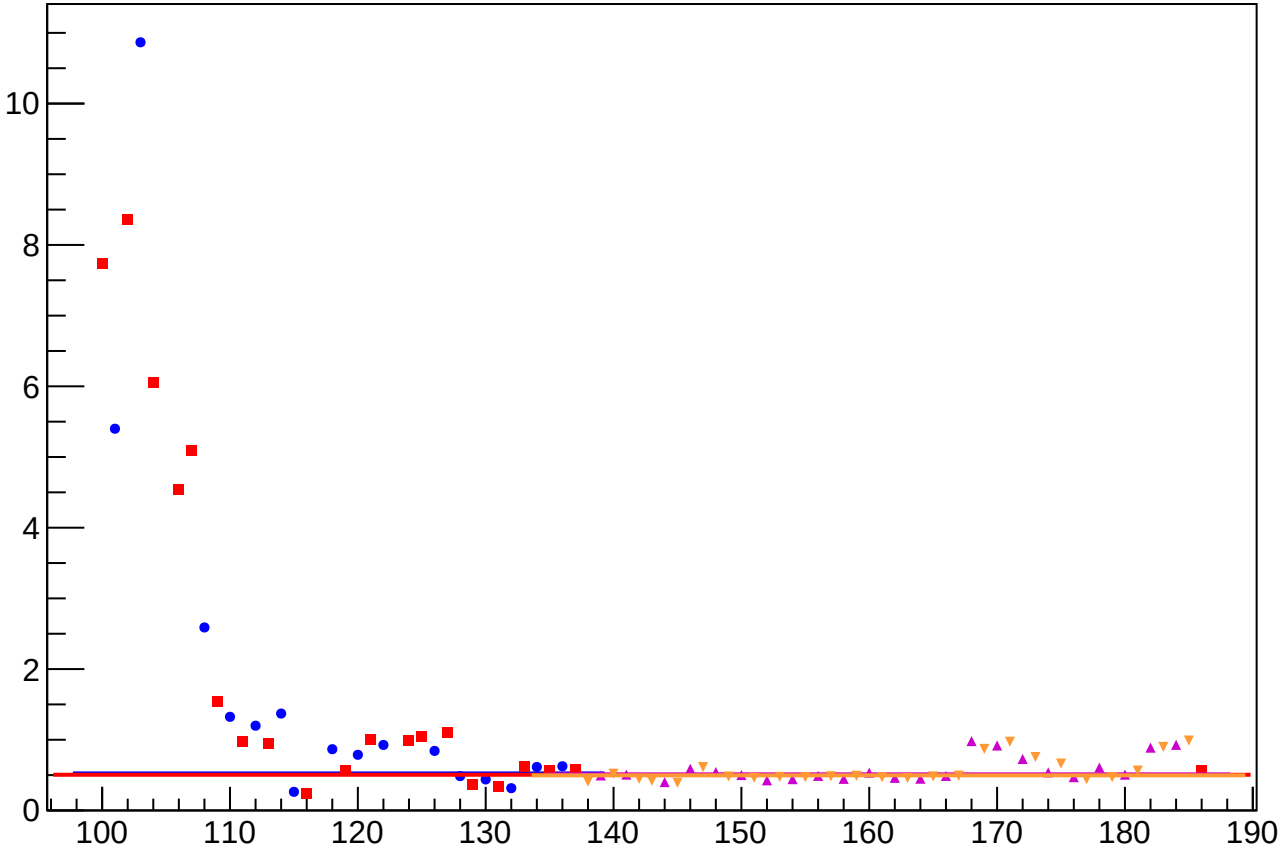
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 133.713+/-0.000 χ^2/NDF: 2218866008.9/40

All: 133.013+/-0.000 χ^2/NDF: 5416815587.8

- sign 132.268+/-0.000 χ^2/NDF: 3116763450.1/42

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.505+/-0.000 χ^2/NDF: 4892547.5/19

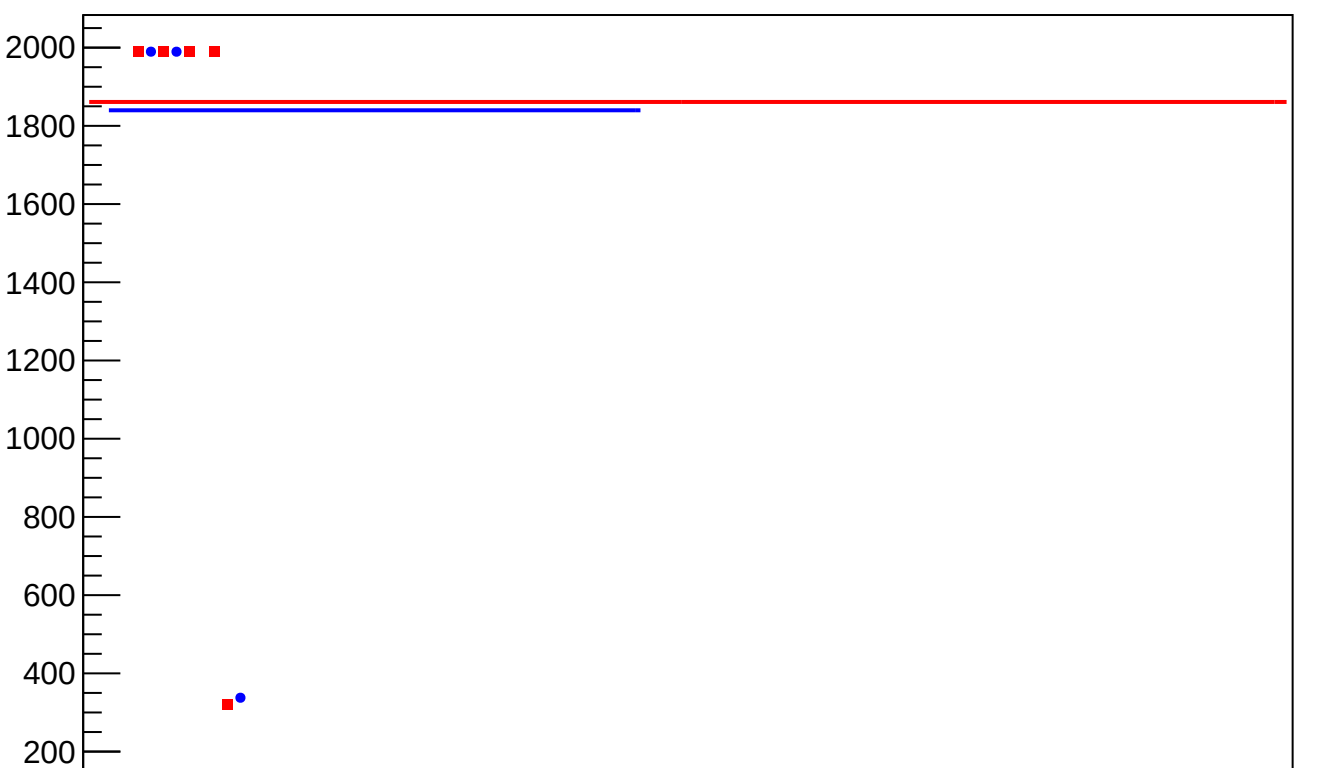
Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.501+/-0.000 χ^2/NDF: 5727328.9/40

All: 0.505+/-0.000 χ^2/NDF: 12109955.4/83

- sign 0.509+/-0.000 χ^2/NDF: 6378544.1/42

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1861.103+/-0.000 χ^2/NDF: 148442334329030.3/19

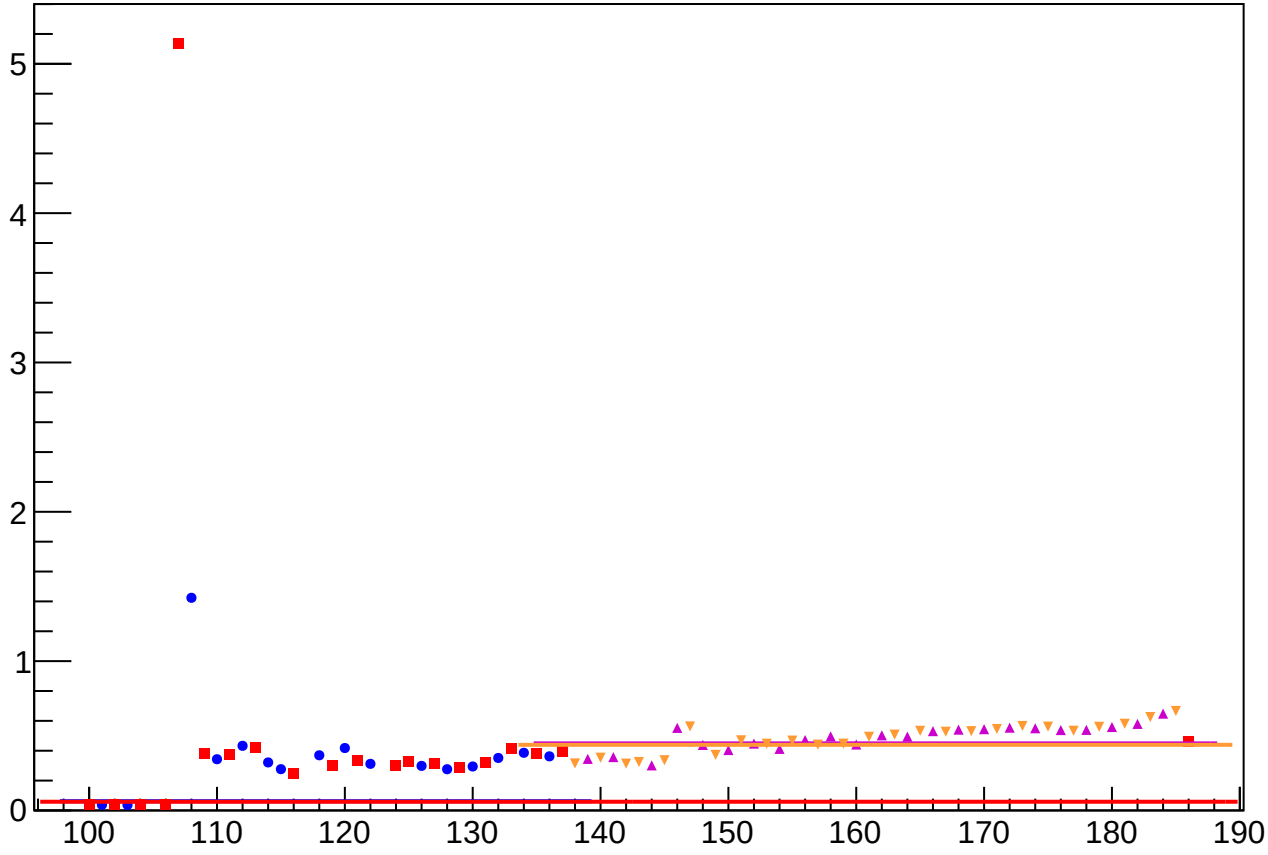
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1601.470+/-0.000 χ^2/NDF: 37727225233493

All: 1636.150+/-0.000 χ^2/NDF: 7509828473

- sign 1666.707+/-0.000 χ^2/NDF: 37221020160372

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

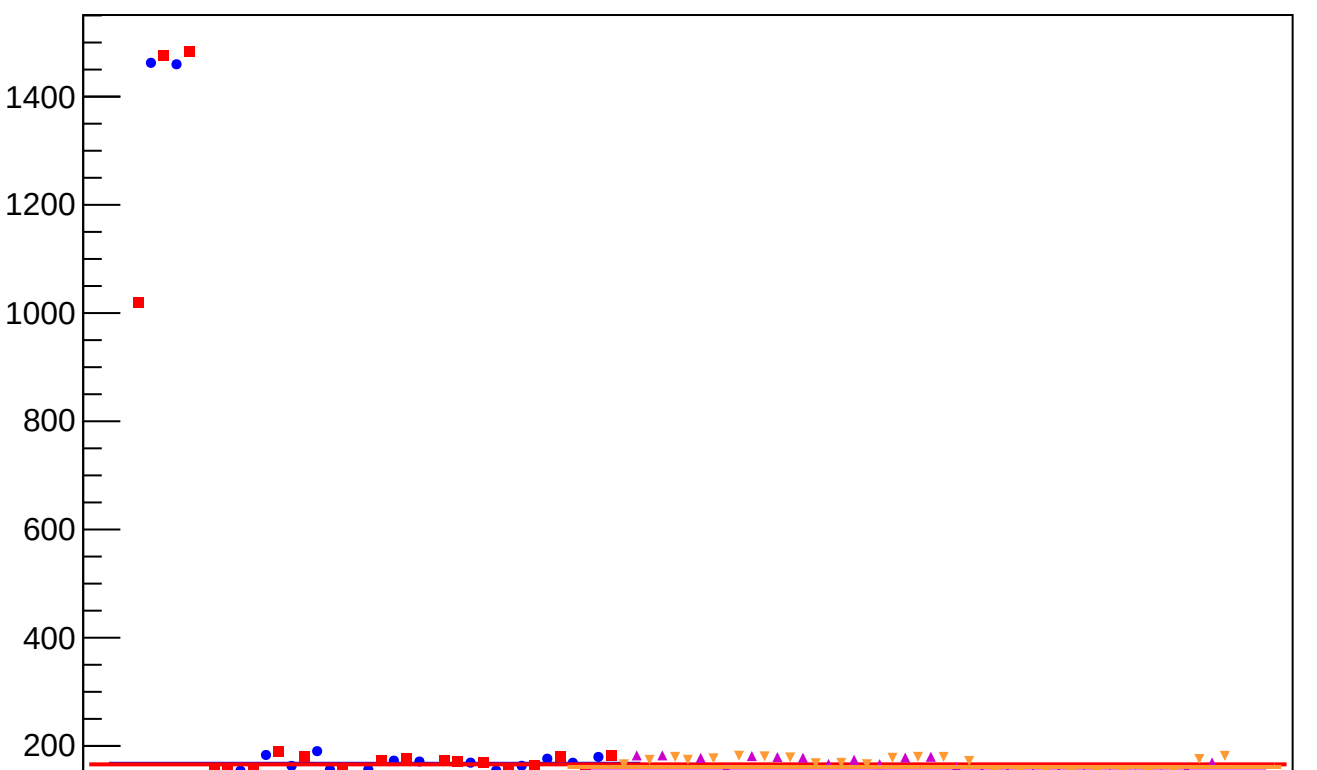
Right Out: 0.058+/-0.000 χ^2/NDF: 8337694.6/19

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.115+/-0.000 χ^2/NDF: 32730821.4/40

All: 0.108+/-0.000 χ^2/NDF: 65524437.5/83

- sign 0.102+/-0.000 χ^2/NDF: 32688989.4/42



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 165.950+/-0.000 χ^2/NDF: 17057571704.8/19

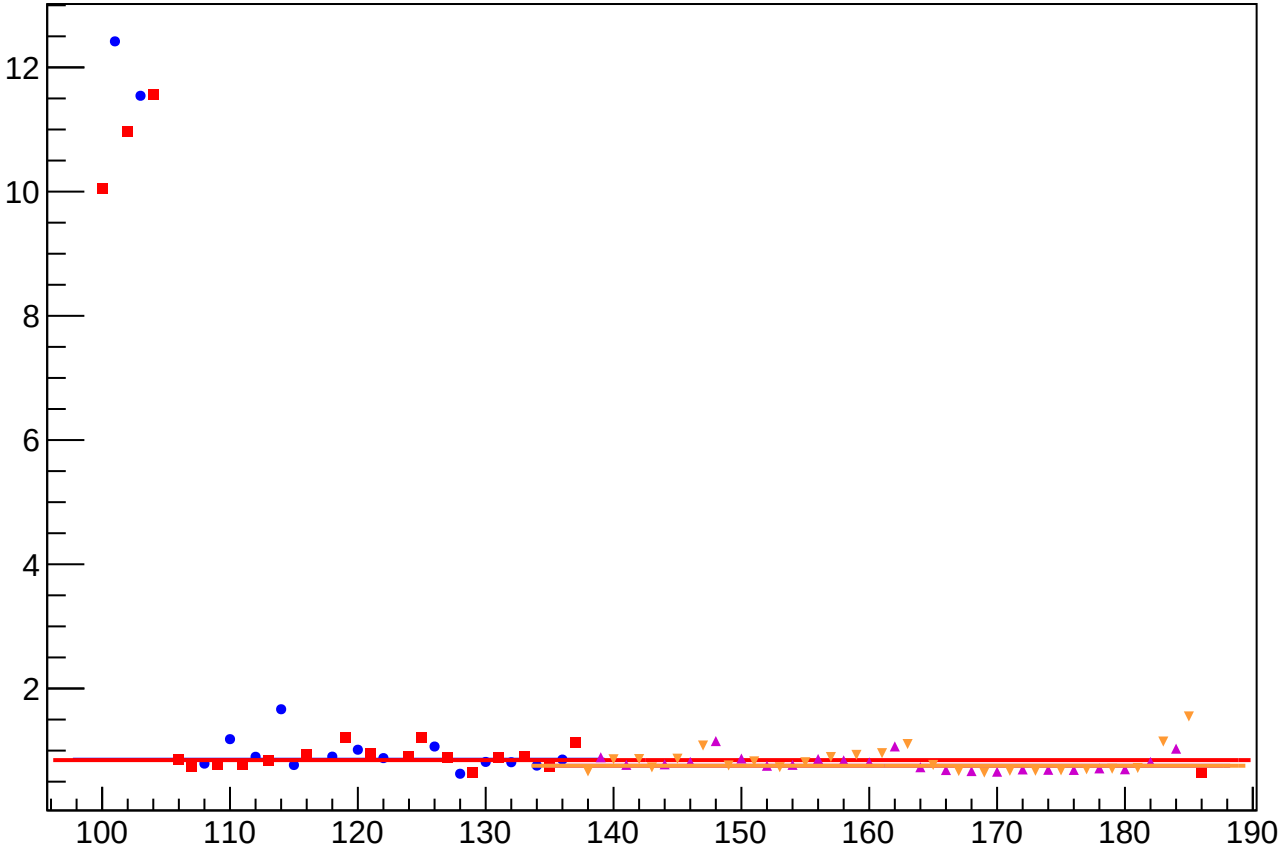
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 162.190+/-0.000 χ^2/NDF: 18504062240.7/40

All: 161.750+/-0.000 χ^2/NDF: 39471501564.

- 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: 2302297.2/15

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

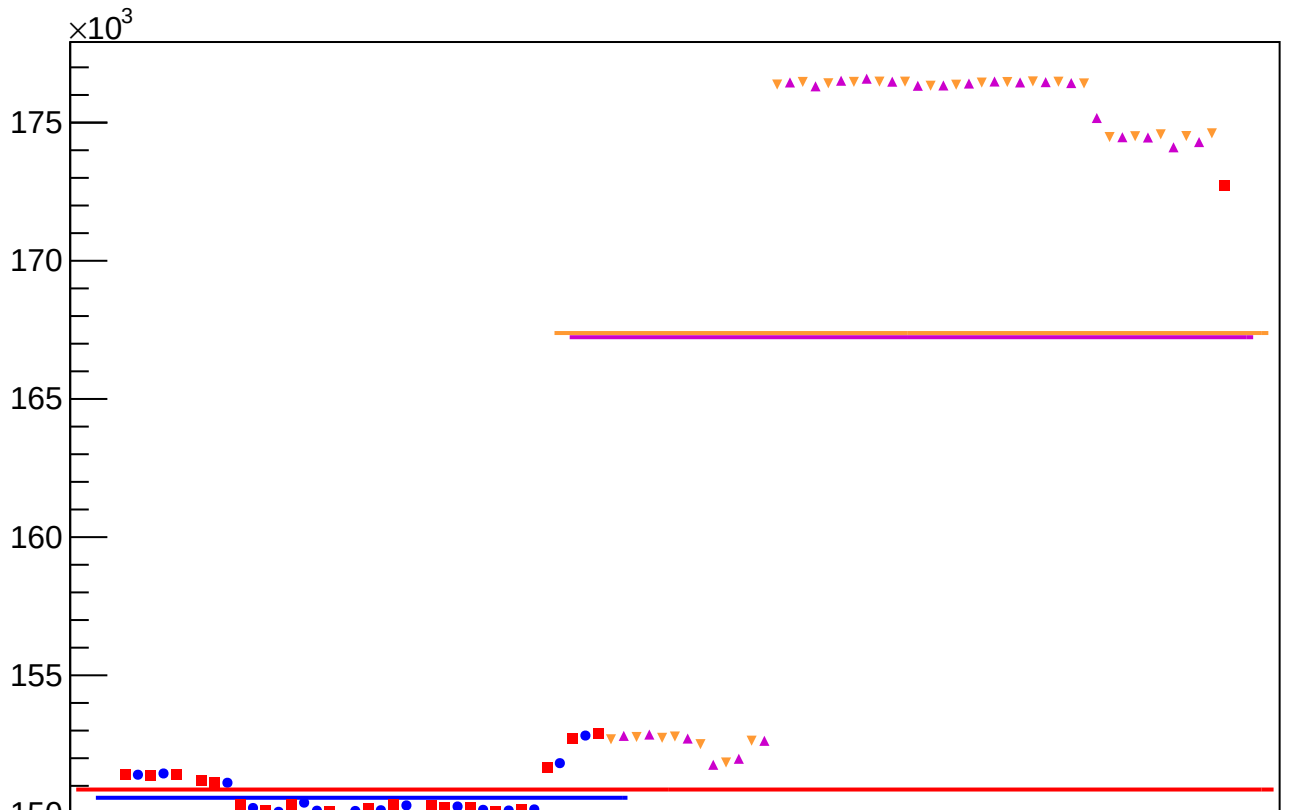
Right Out: 0.847+/-0.000 χ^2/NDF: 2249280.7/19

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.773+/-0.000 χ^2/NDF: 3133925.4/40

All: 0.774+/-0.000 χ^2/NDF: 5935564.7/83

- sign 0.774+/-0.000 χ^2/NDF: 2801635.3/42



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 150866.861+/-0.051 χ^2/NDF: 2800684535.7/19

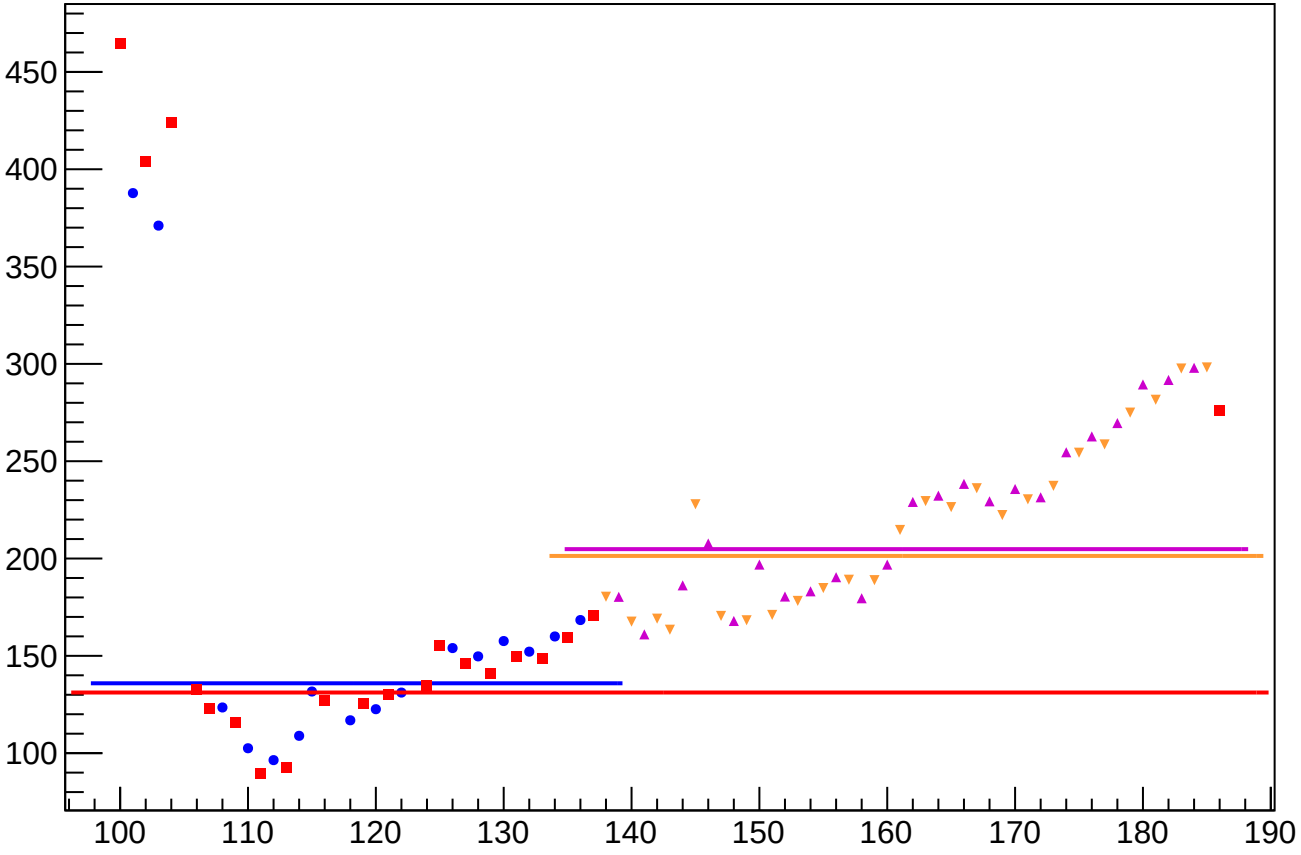
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160276.500+/-0.036 χ^2/NDF: 11458094987

All: 159803.617+/-0.025 χ^2/NDF: 2269332

- sign 159339.866+/-0.035 χ^2/NDF: 112000972598

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

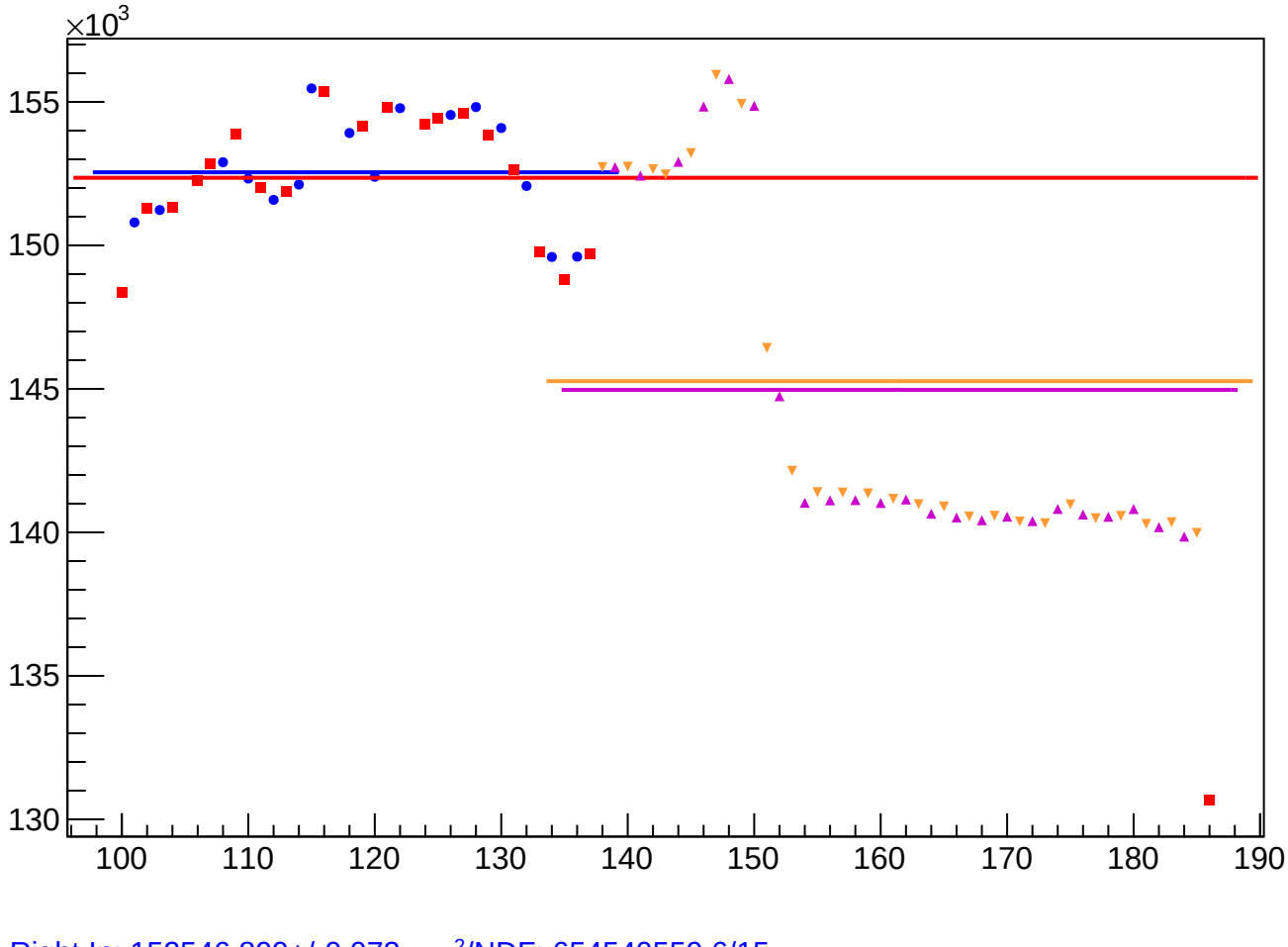
Right Out: 131.156+/-0.036 χ^2/NDF: 1843682.2/19

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 173.668+/-0.025 χ^2/NDF: 4304440.1/40

All: 171.459+/-0.018 χ^2/NDF: 9408653.6/83

- sign 169.293+/-0.025 χ^2/NDF: 5088883.4/42



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 152355.845+/-0.066 χ^2/NDF: 3142546480.6/19

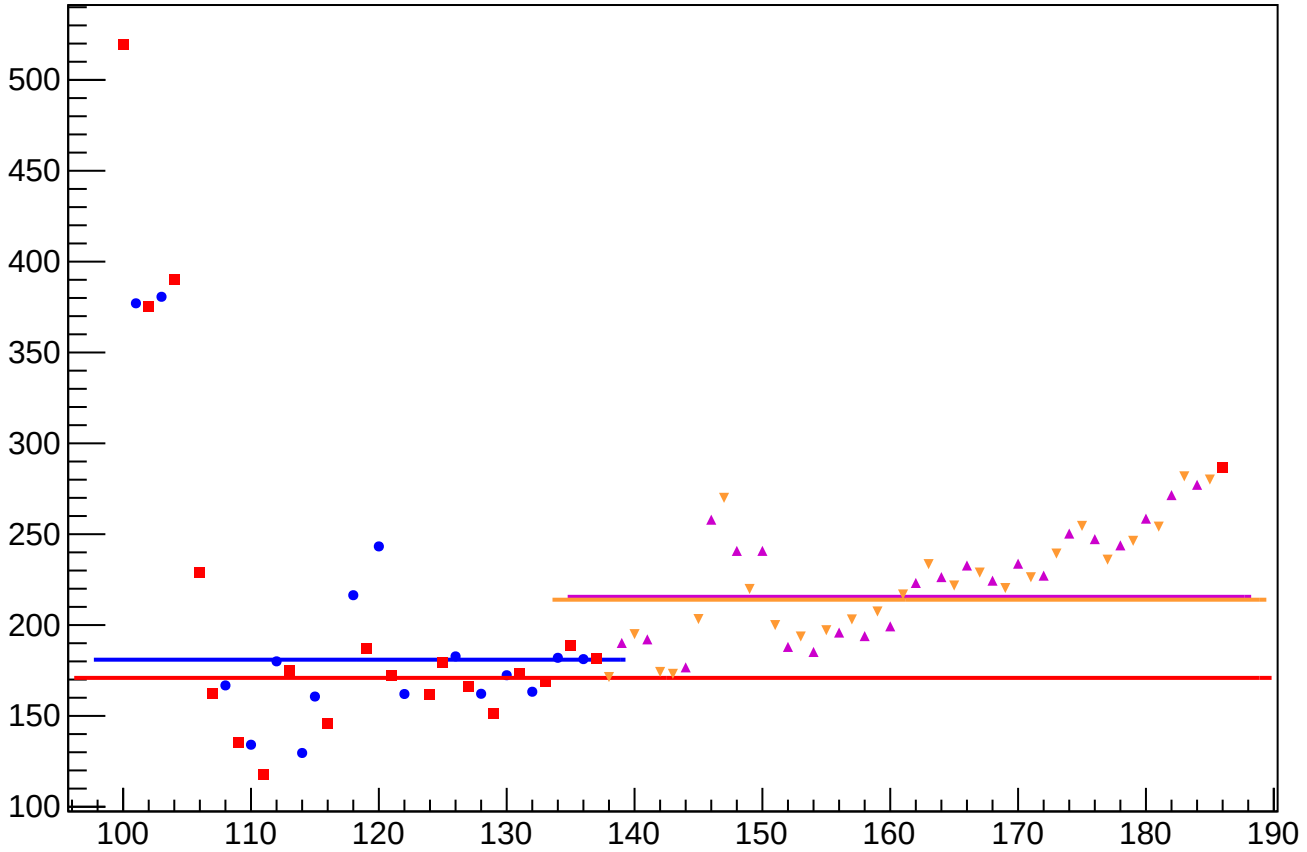
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 147571.387+/-0.041 χ^2/NDF: 21227327952.4

All: 147659.808+/-0.029 χ^2/NDF: 45369148

- sign 147746.518+/-0.040 χ^2/NDF: 24132534972.9

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

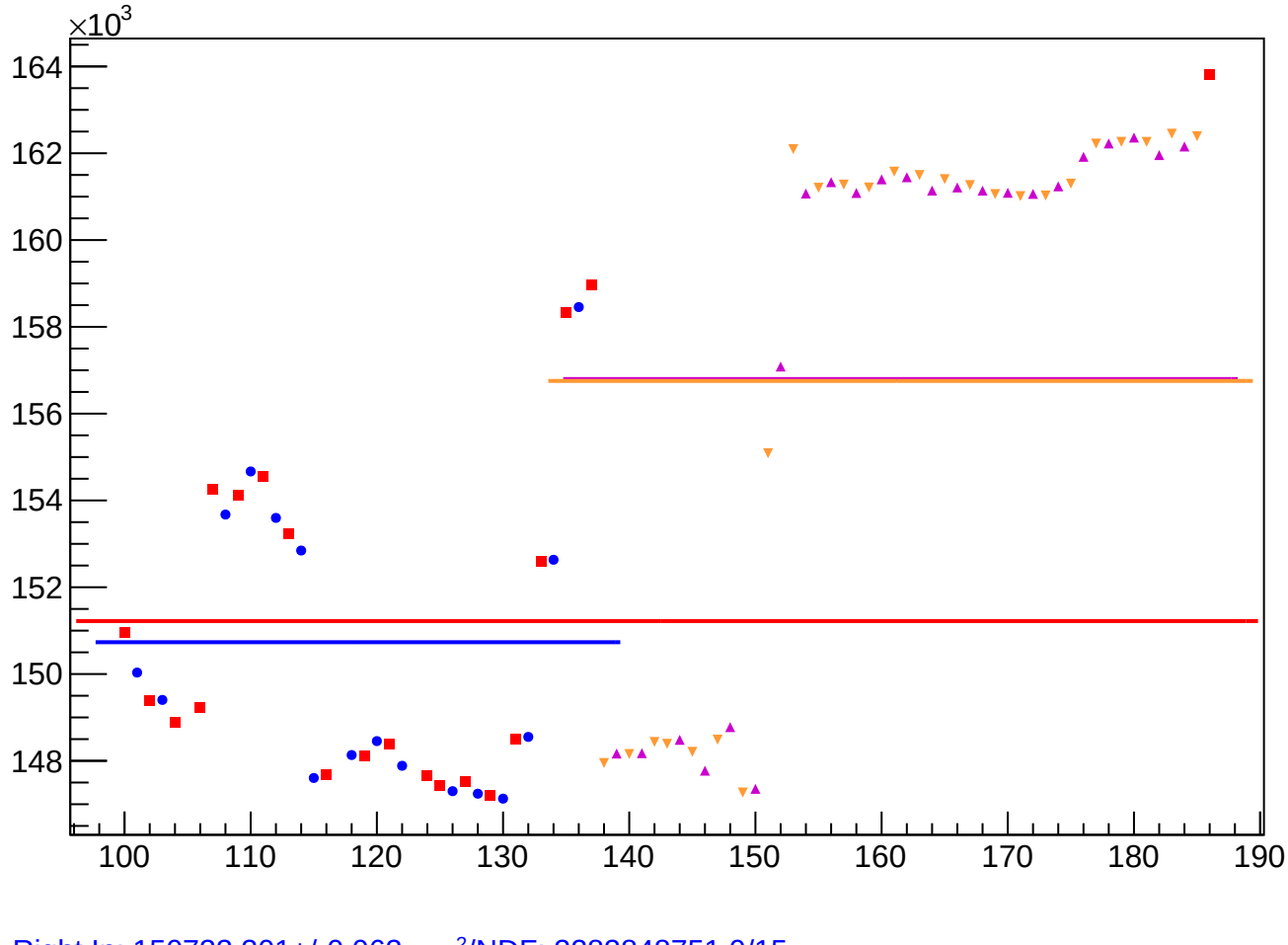
Right Out: 170.924+/-0.047 χ^2/NDF: 1226366.1/19

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 203.510+/-0.029 χ^2/NDF: 1840996.0/40

All: 201.108+/-0.020 χ^2/NDF: 4252884.7/83

- sign 198.753+/-0.029 χ^2/NDF: 2398188.3/42



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 151220.843+/-0.060 χ^2/NDF: 4003720548.8/19

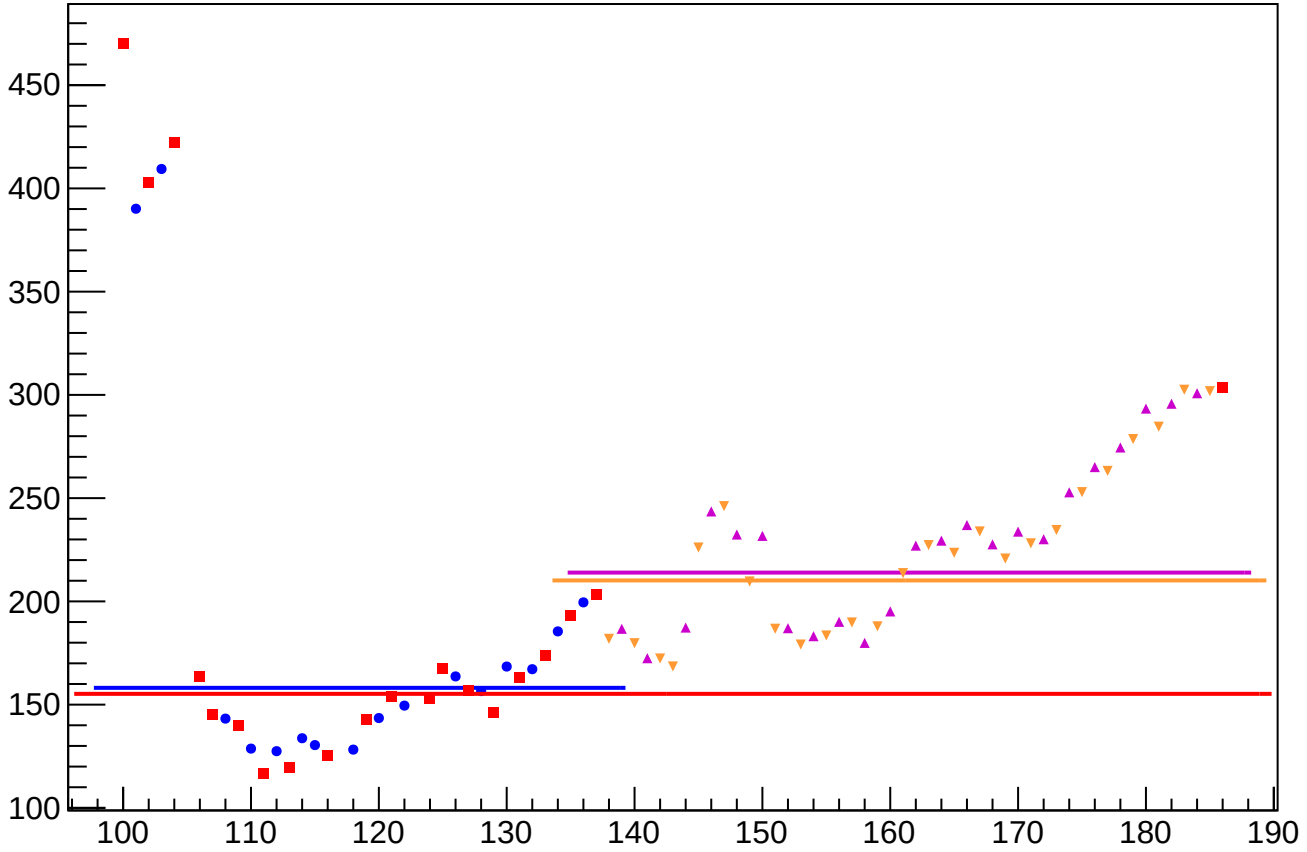
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 154501.132+/-0.038 χ^2/NDF: 2539884587

All: 154471.811+/-0.027 χ^2/NDF: 4880908

- sign 154442.114+/-0.039 χ^2/NDF: 2340906587

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

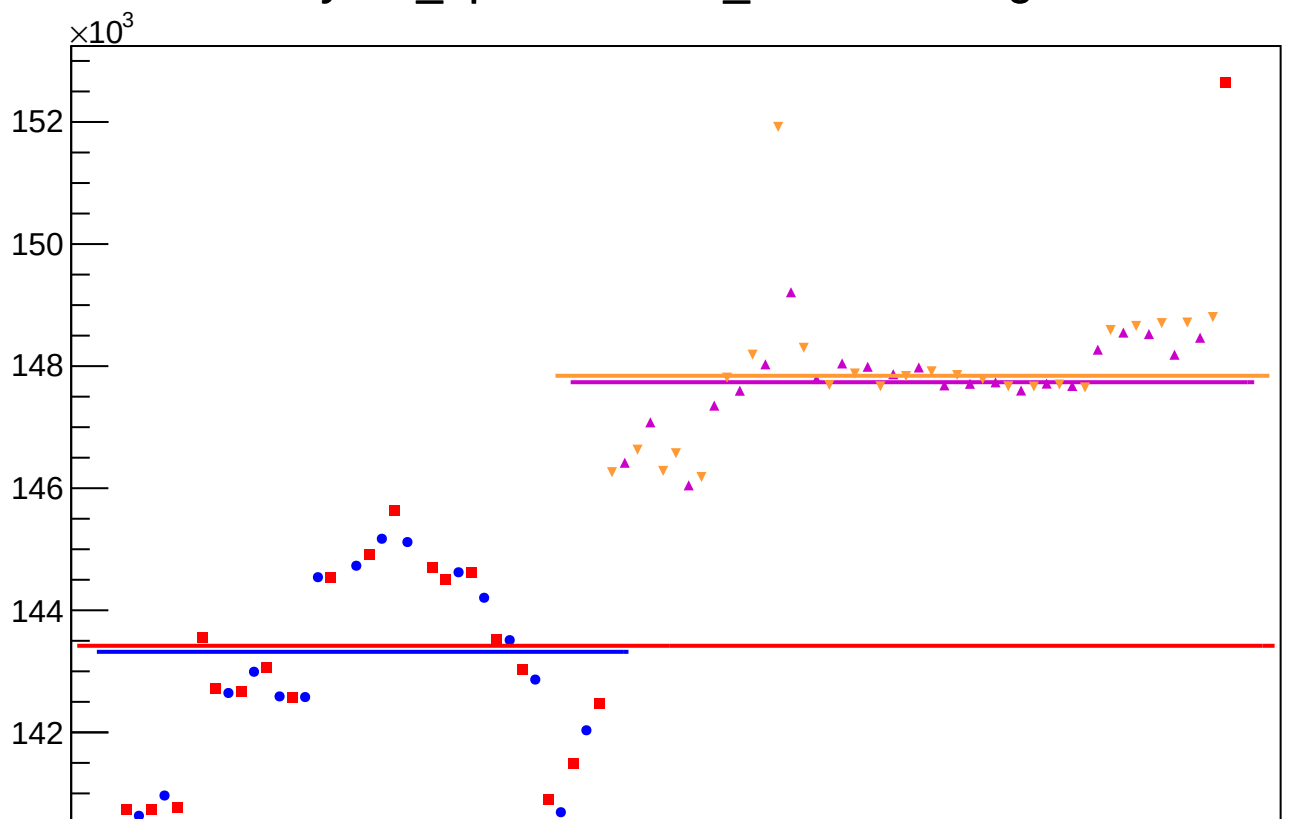
Right Out: 155.223+/-0.042 χ^2/NDF: 1463074.8/19

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 190.681+/-0.027 χ^2/NDF: 3049068.3/40

All: 189.916+/-0.019 χ^2/NDF: 6550399.8/83

- sign 189.140+/-0.027 χ^2/NDF: 3499736.3/42



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 143418.687+/-0.049 χ^2/NDF: 1119371127.6/19

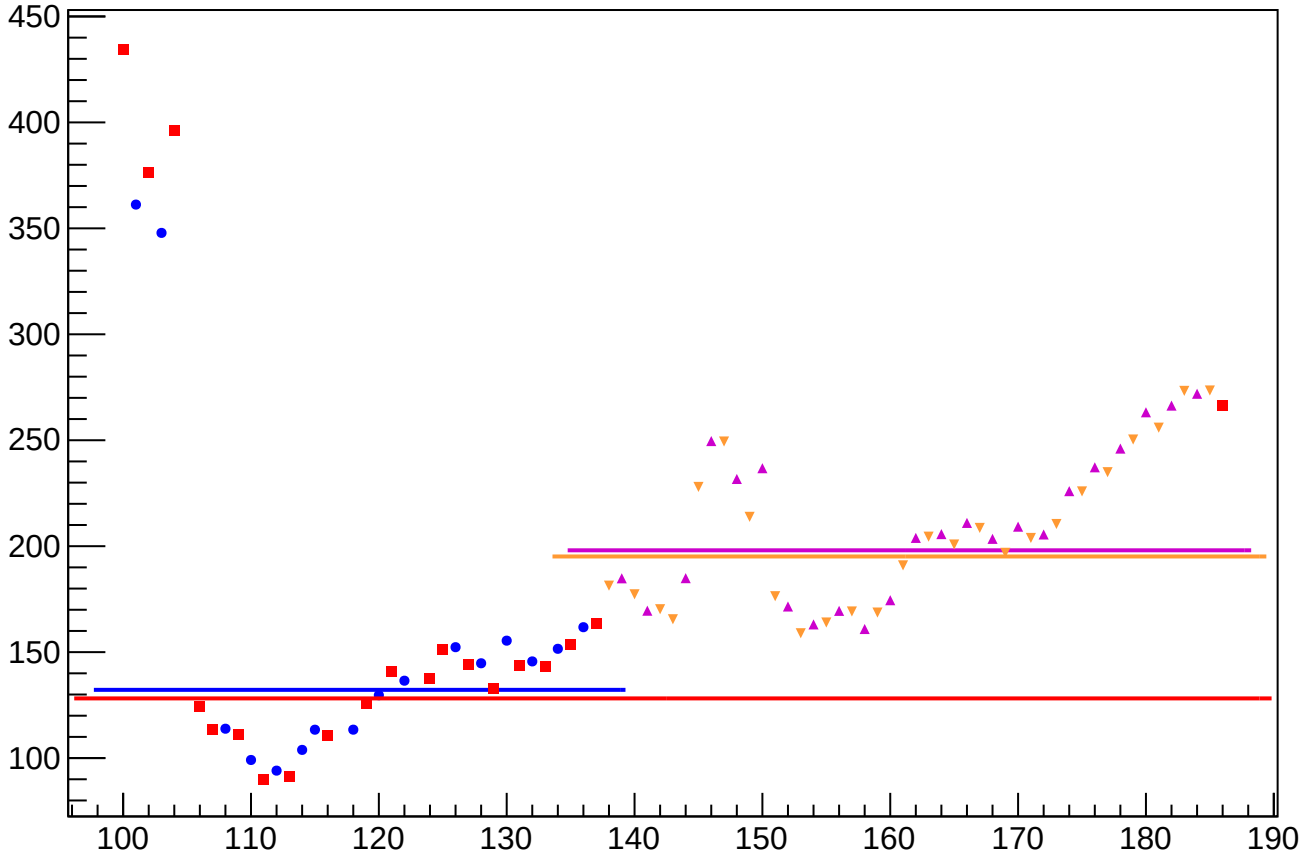
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 145946.417+/-0.034 χ^2/NDF: 5481710313.1

All: 145809.474+/-0.024 χ^2/NDF: 10858830

- sign 145674.823+/-0.034 χ^2/NDF: 5345680962.4/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

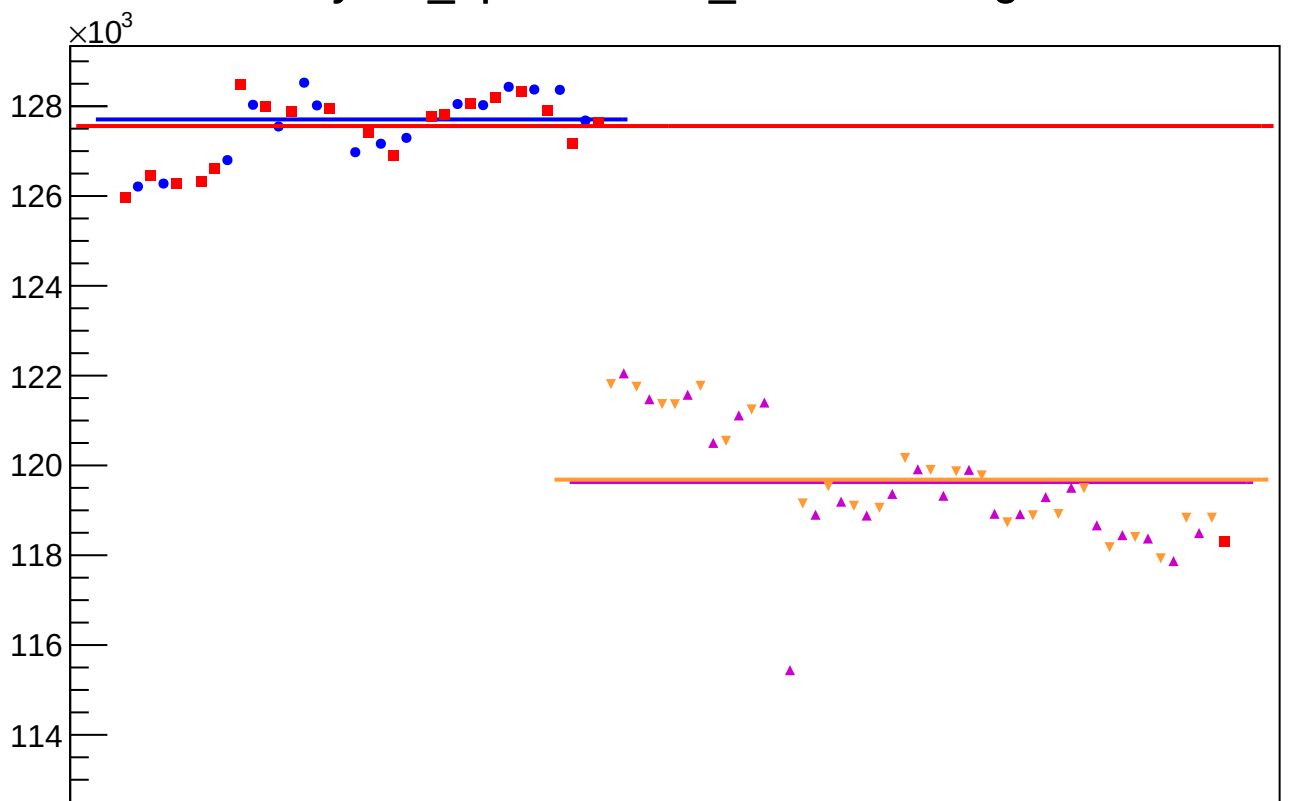
Right Out: 128.162+/-0.035 χ^2/NDF: 1768465.5/19

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 168.762+/-0.024 χ^2/NDF: 3913799.6/40

All: 166.705+/-0.017 χ^2/NDF: 8692463.5/83

- sign 164.682+/-0.024 χ^2/NDF: 4764472.6/42



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 127558.313+/-0.054 χ^2/NDF: 660511636.5/19

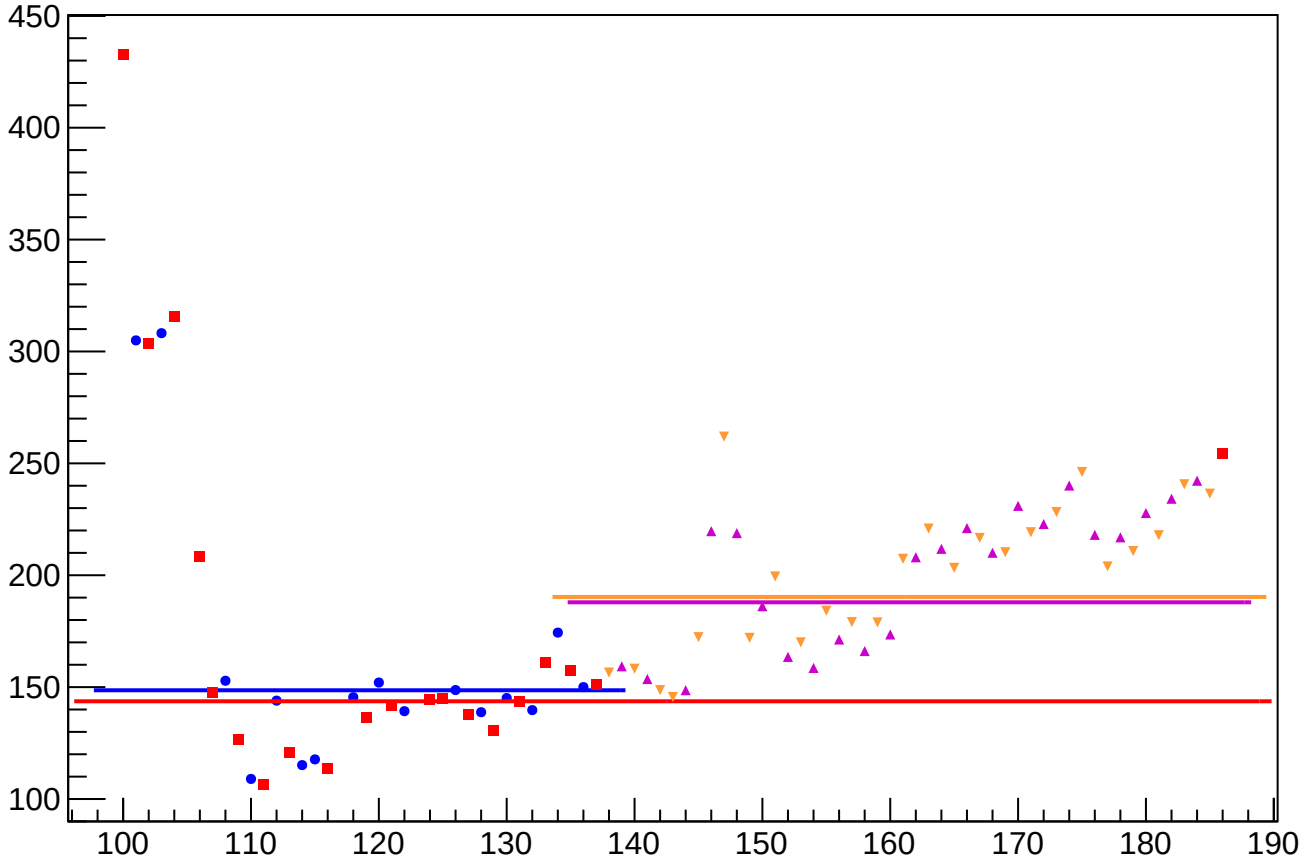
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 122609.396+/-0.035 χ^2/NDF: 14069299070.

All: 122731.707+/-0.025 χ^2/NDF: 28686780

- sign 122849.808+/-0.035 χ^2/NDF: 14593856624.

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

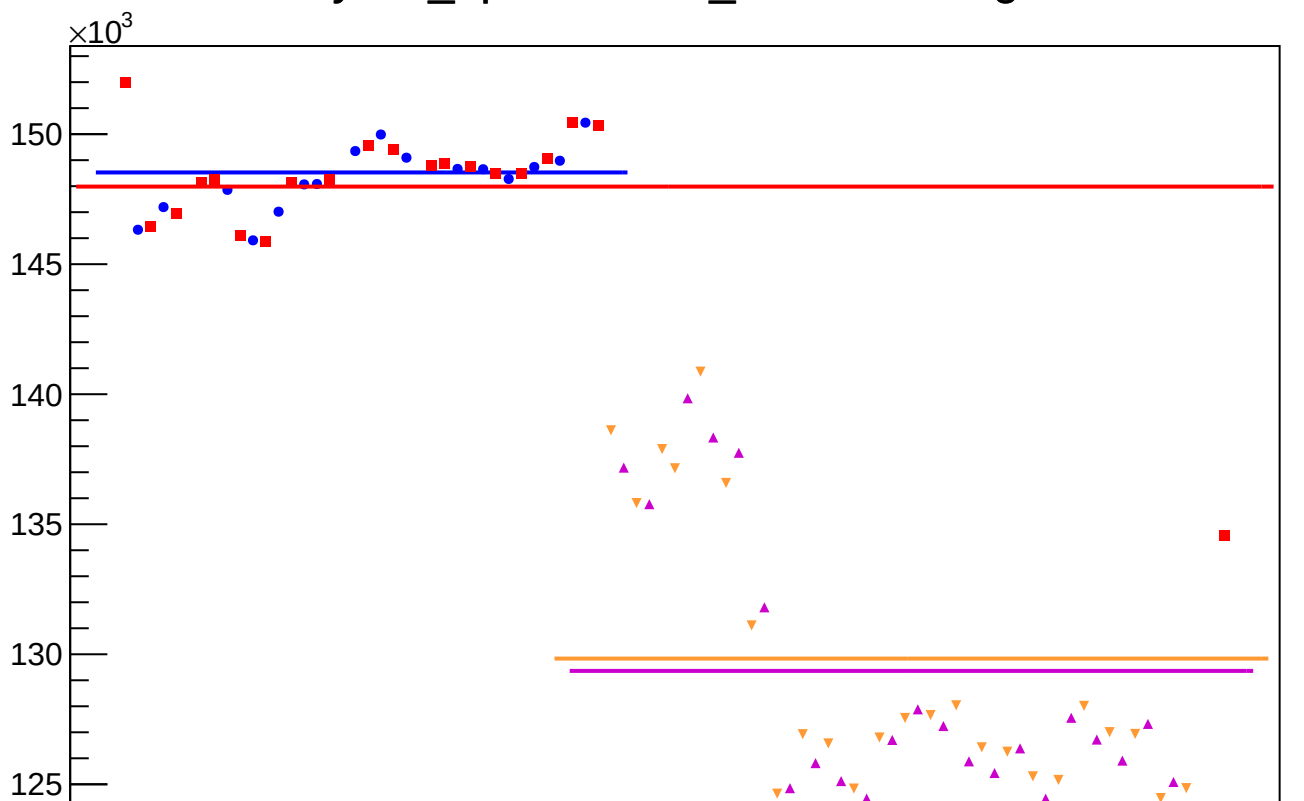
Right Out: 143.674+/-0.038 χ^2/NDF: 1159333.8/19

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 175.086+/-0.025 χ^2/NDF: 2399802.3/40

All: 172.469+/-0.017 χ^2/NDF: 5292181.9/83

- sign 169.943+/-0.025 χ^2/NDF: 2870756.1/42



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 147983.867+/-0.076 χ^2/NDF: 991438499.2/19

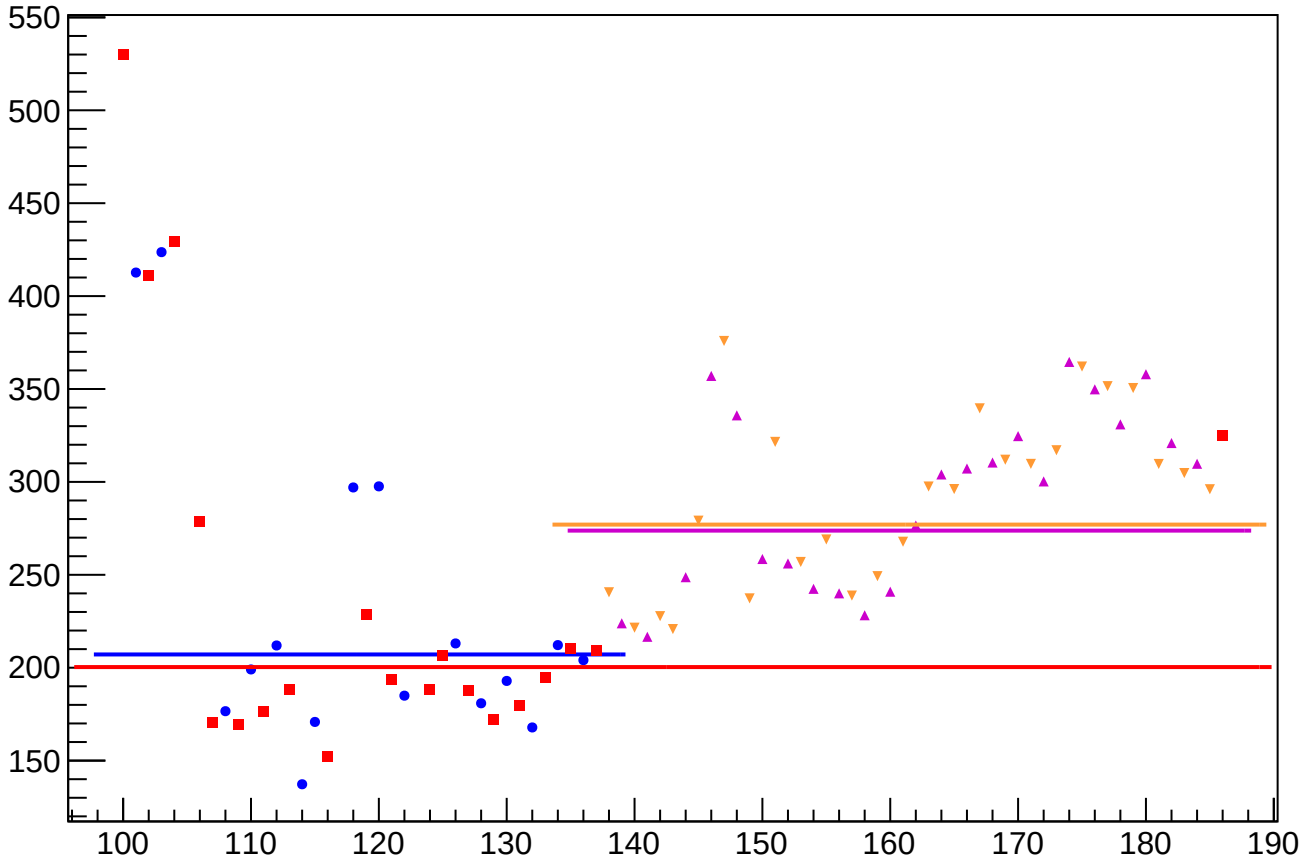
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136944.626+/-0.051 χ^2/NDF: 39251529183.7

All: 137128.685+/-0.035 χ^2/NDF: 81537093

- sign 137305.190+/-0.049 χ^2/NDF: 42259578083.8

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

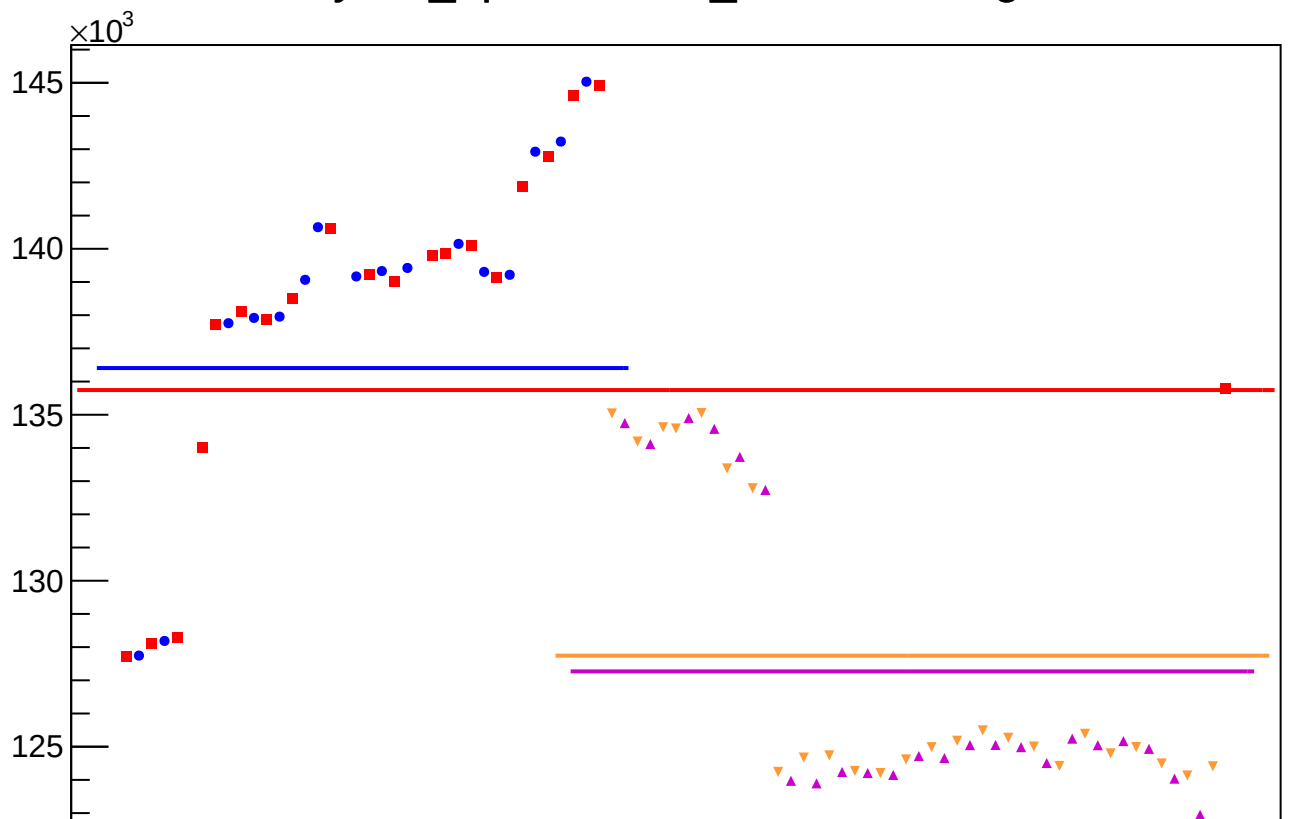
Right Out: 200.346+/-0.054 χ^2/NDF: 1024698.2/19

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 250.439+/-0.036 χ^2/NDF: 2820294.3/40

All: 246.364+/-0.025 χ^2/NDF: 5951758.9/83

- sign 242.456+/-0.035 χ^2/NDF: 3105985.4/42



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 135744.151+/-0.169 χ^2/NDF: 1174136214.0/19

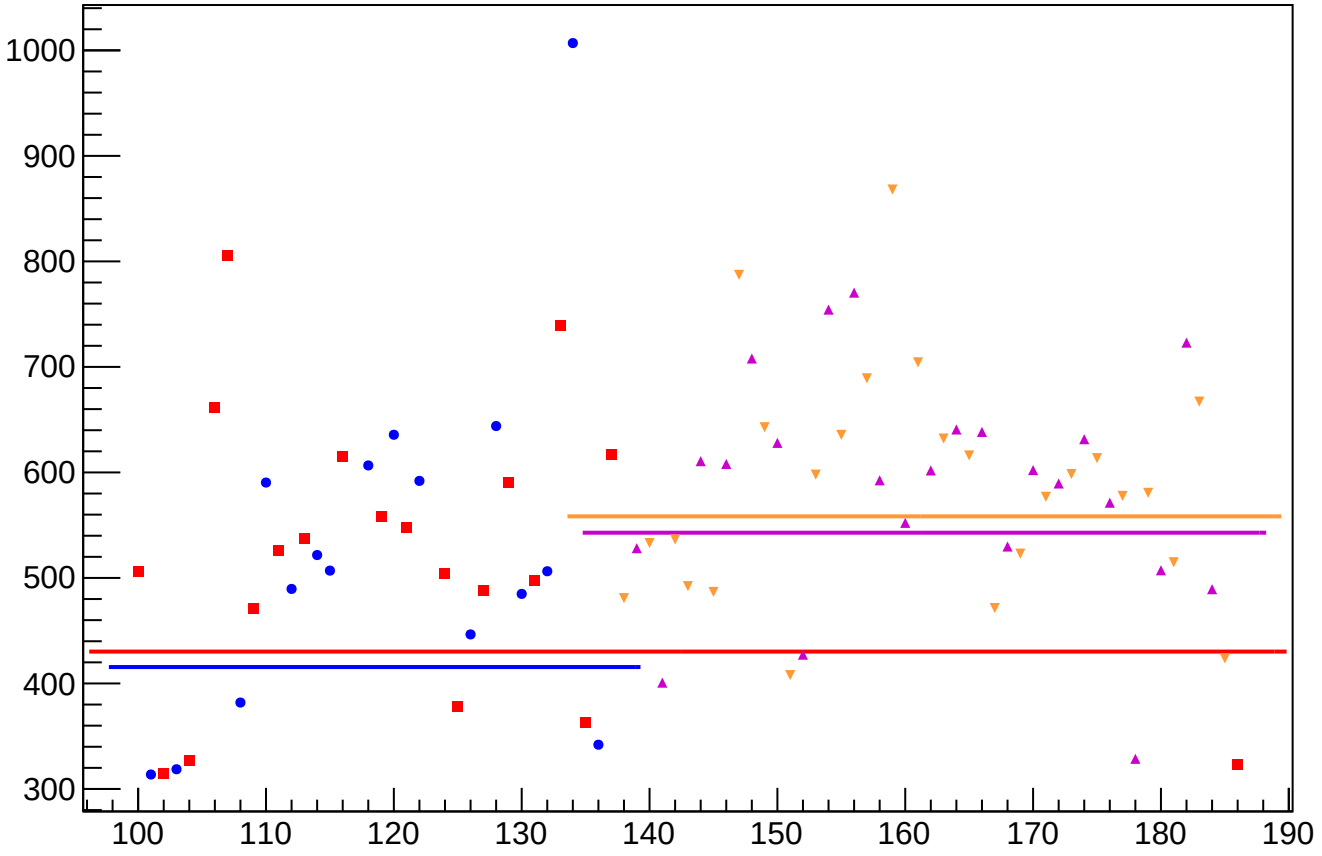
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131144.742+/-0.106 χ^2/NDF: 4274255825.1

All: 130914.731+/-0.075 χ^2/NDF: 79337456

- sign 130678.111+/-0.107 χ^2/NDF: 3649873646.3/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

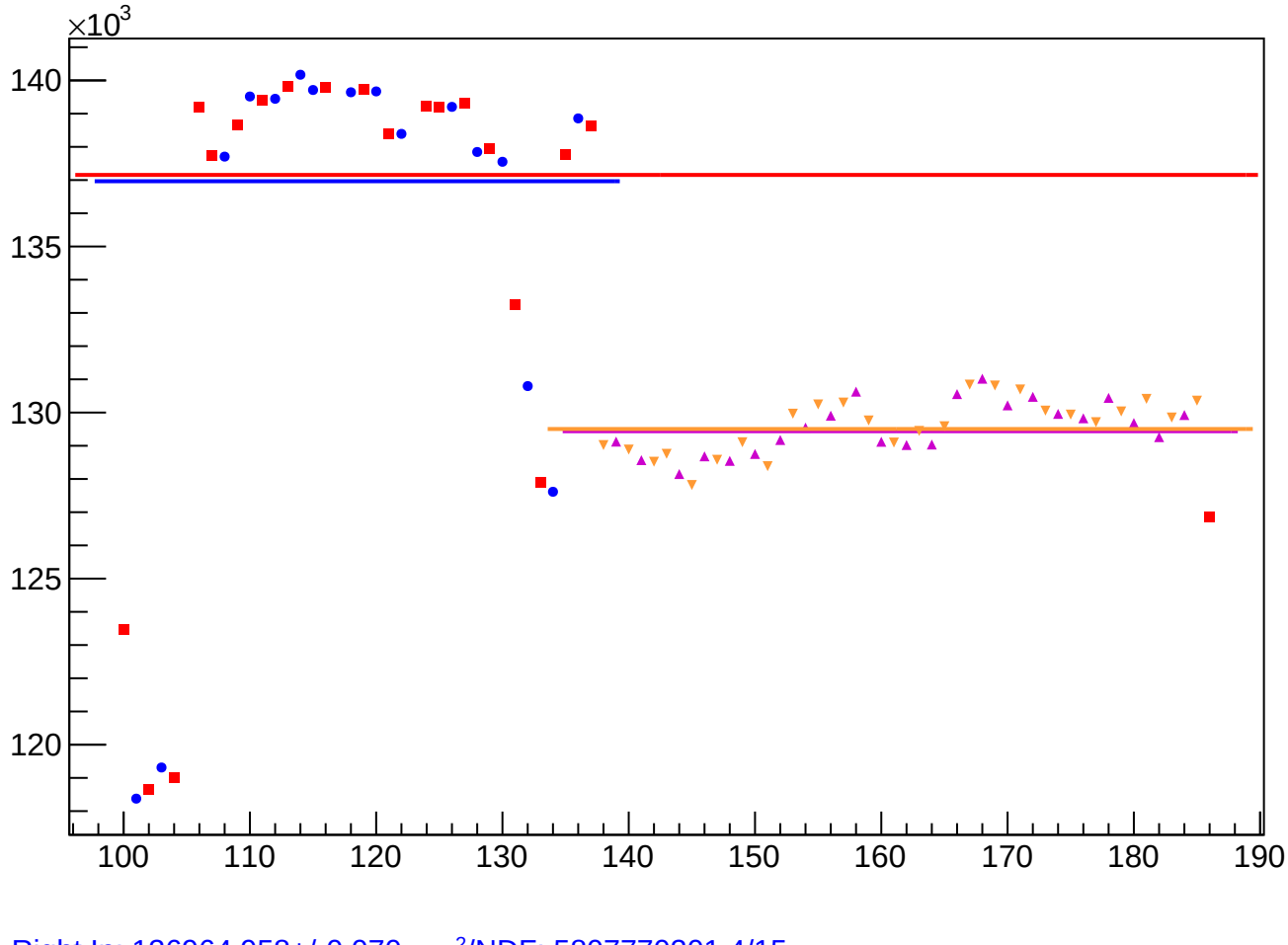
Right Out: 430.204+/-0.119 χ^2/NDF: 985892.8/19

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 502.276+/-0.075 χ^2/NDF: 2871674.9/40

All: 499.946+/-0.053 χ^2/NDF: 5807890.6/83

- sign 497.548+/-0.076 χ^2/NDF: 2934240.9/42



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 137154.471+/-0.065 χ^2/NDF: 6158151280.7/19

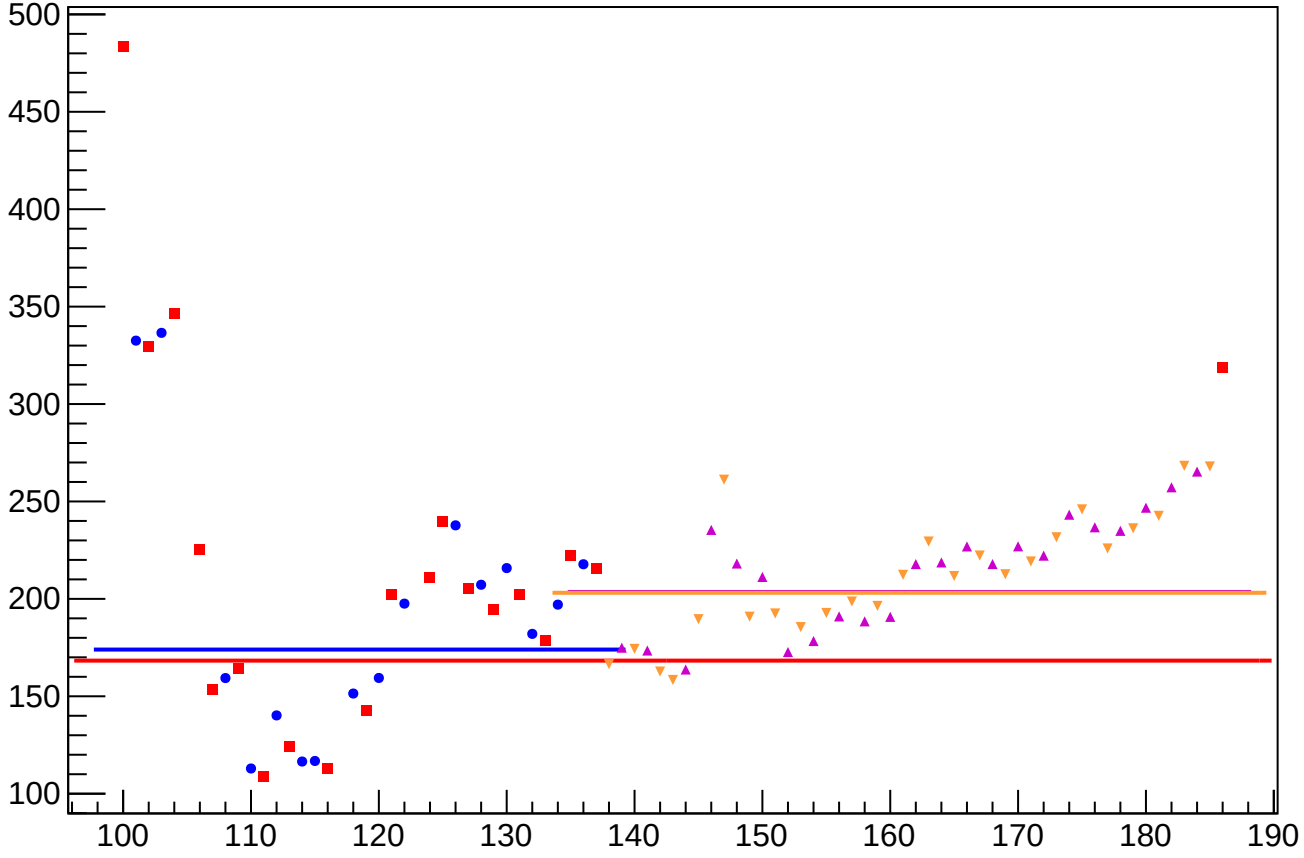
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 131835.322+/-0.039 χ^2/NDF: 13978081415.

All: 132012.084+/-0.028 χ^2/NDF: 29494576

- sign 132187.780+/-0.039 χ^2/NDF: 15475474608.

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

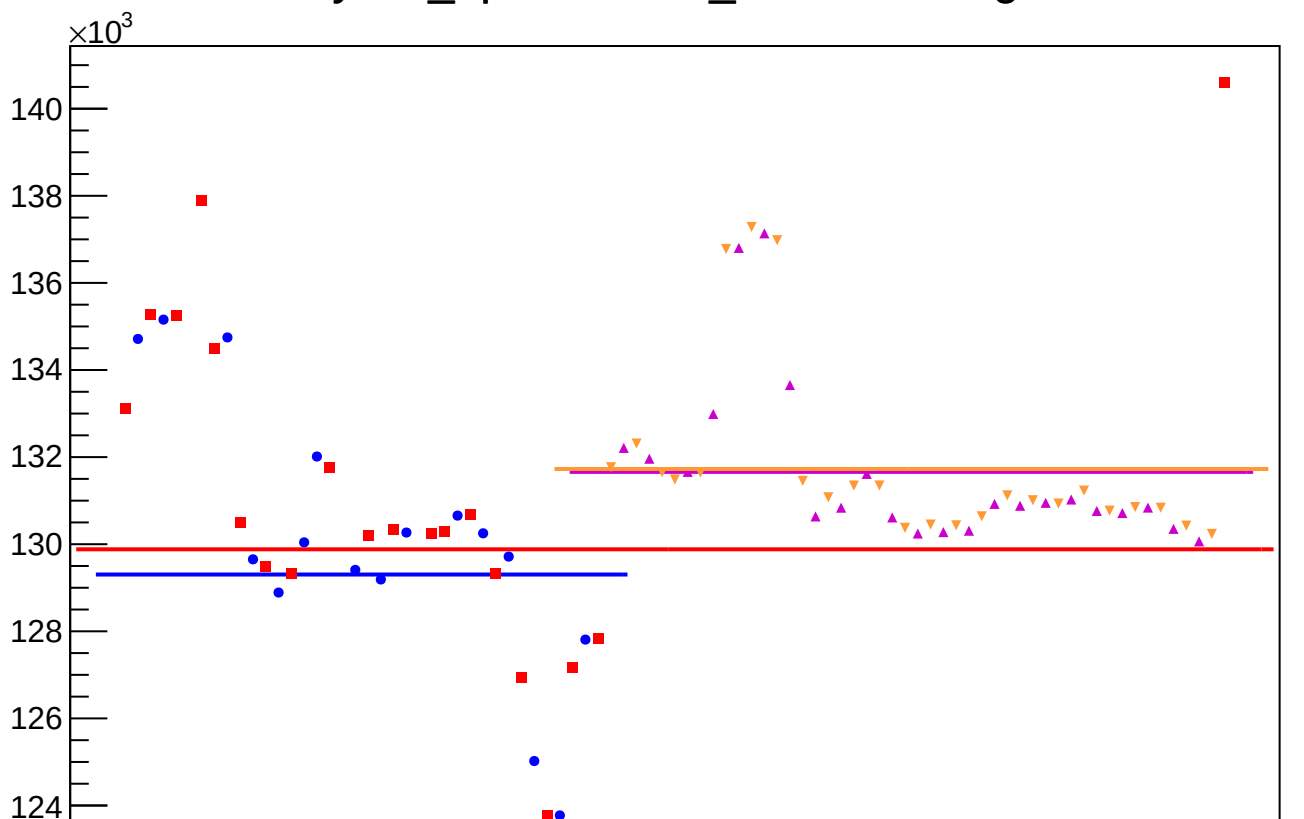
Right Out: 168.309+/-0.046 χ^2/NDF: 1612819.8/19

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 194.024+/-0.028 χ^2/NDF: 2187247.7/40

All: 192.501+/-0.019 χ^2/NDF: 4849519.5/83

- sign 190.988+/-0.027 χ^2/NDF: 2656186.4/42



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 129882.909+/-0.061 χ^2/NDF: 2296477847.8/19

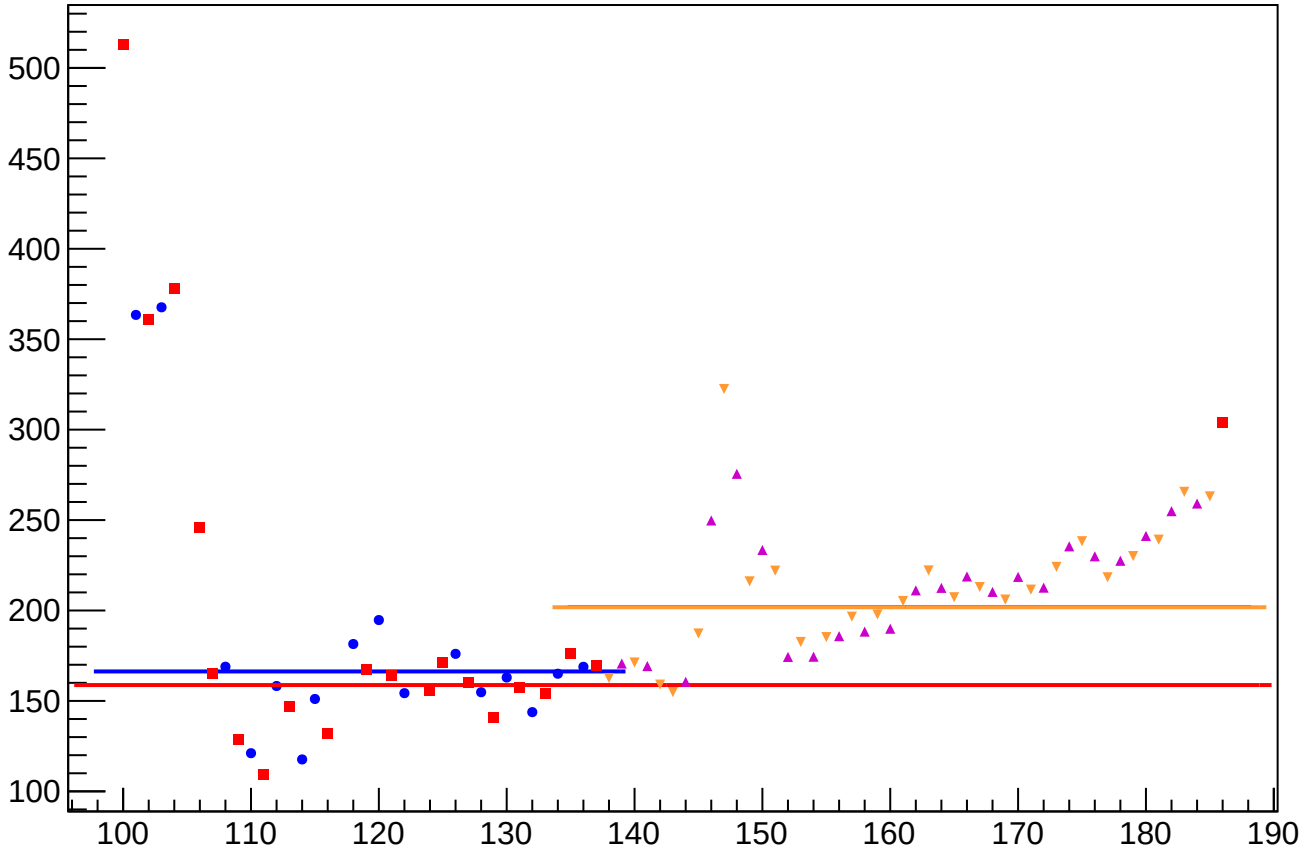
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 130918.570+/-0.038 χ^2/NDF: 3968060338.4

All: 130948.656+/-0.027 χ^2/NDF: 79527889

- sign 130978.077+/-0.038 χ^2/NDF: 3983504290.1/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

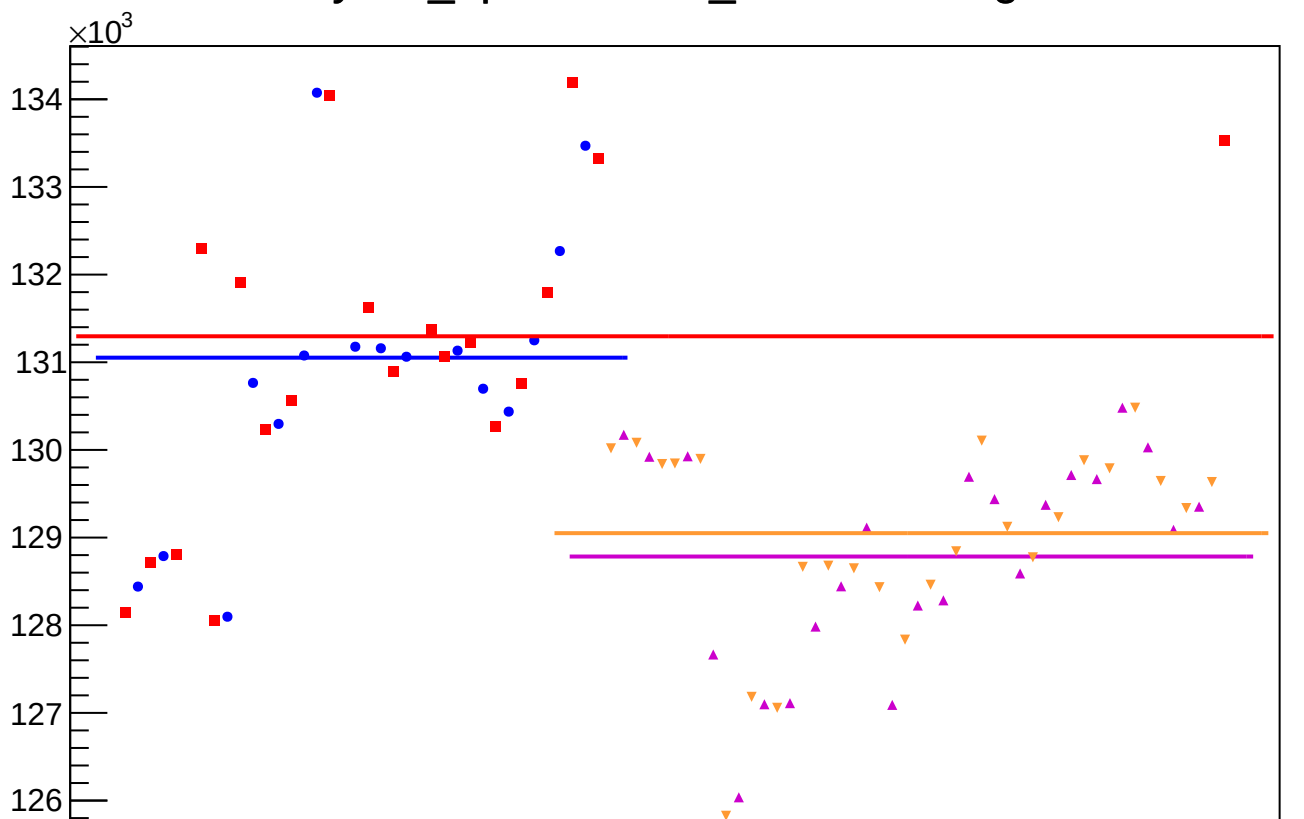
Right Out: 158.777+/-0.043 χ^2/NDF: 1363210.0/19

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 189.955+/-0.027 χ^2/NDF: 2226430.7/40

All: 187.639+/-0.019 χ^2/NDF: 5023362.2/83

- sign 185.374+/-0.027 χ^2/NDF: 2782422.2/42



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 131296.359+/-0.056 χ^2/NDF: 628370693.7/19

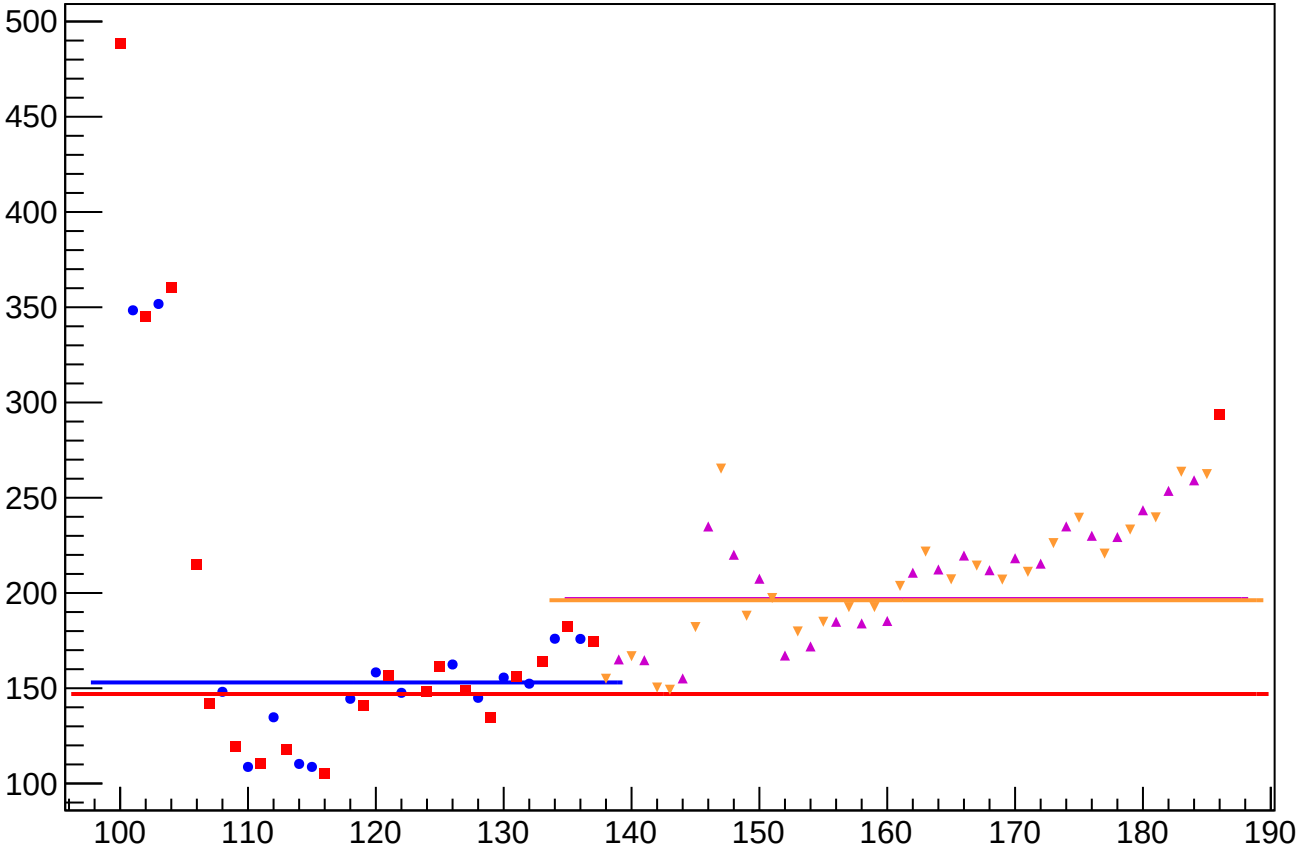
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 129771.389+/-0.036 χ^2/NDF: 1752010004.4

All: 129793.135+/-0.026 χ^2/NDF: 42141089

- sign 129814.438+/-0.036 χ^2/NDF: 2461391948.1/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

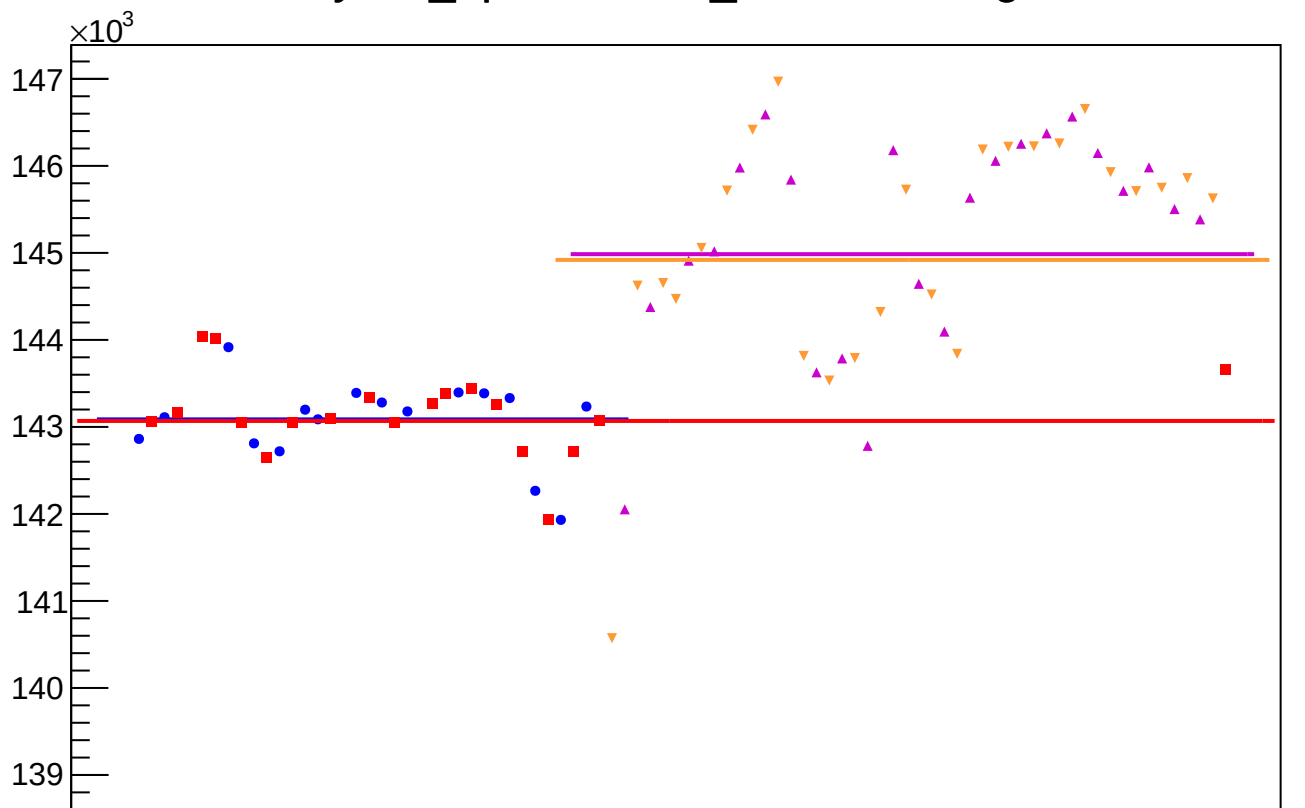
Right Out: 146.975+/-0.040 χ^2/NDF: 1471828.8/19

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 180.660+/-0.026 χ^2/NDF: 2630603.2/40

All: 178.501+/-0.018 χ^2/NDF: 5816915.4/83

- sign 176.386+/-0.025 χ^2/NDF: 3172374.7/42



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143068.654+/-0.060 χ^2/NDF: 53090100.6/19

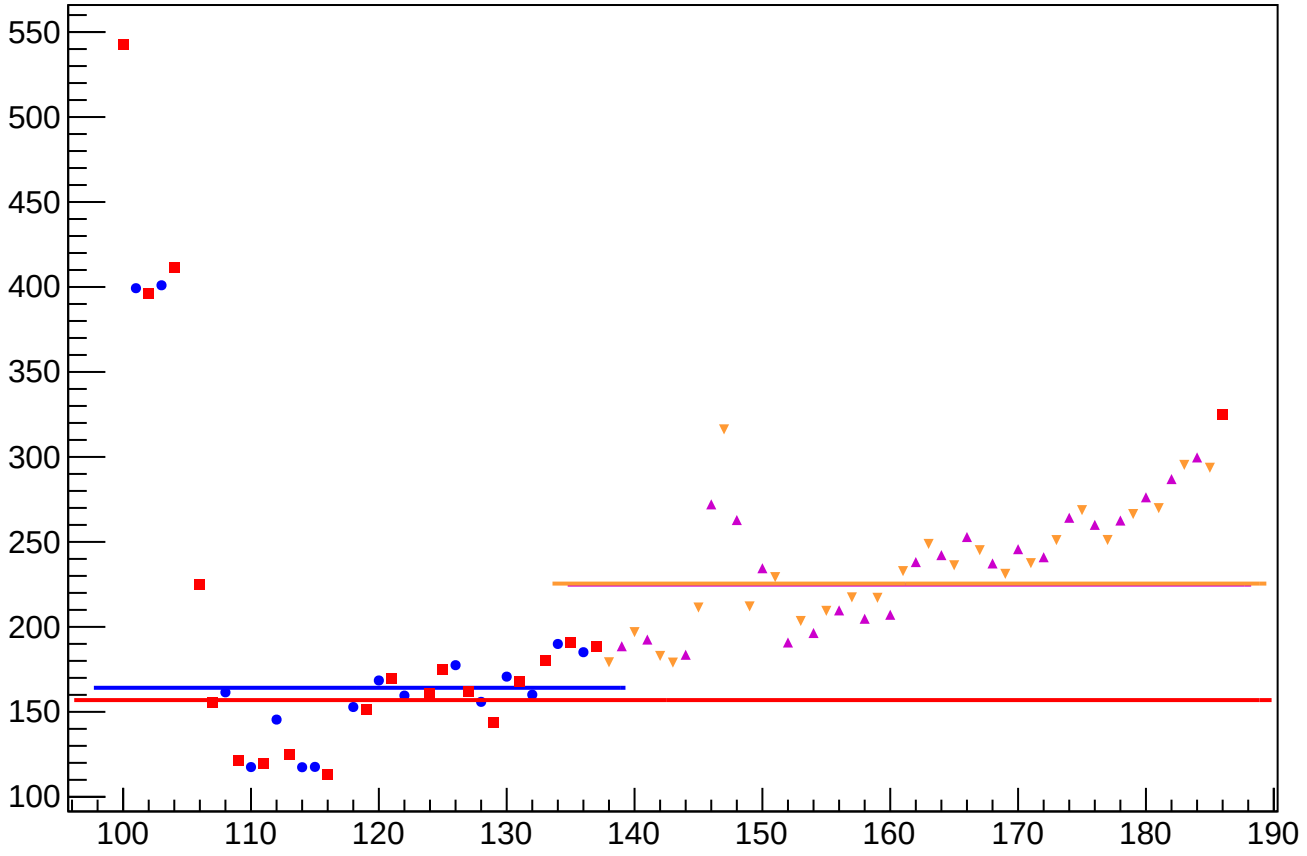
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144201.418+/-0.041 χ^2/NDF: 1364680843.8/

All: 144169.601+/-0.029 χ^2/NDF: 26032407

- sign 144138.874+/-0.040 χ^2/NDF: 1237360613.1/

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

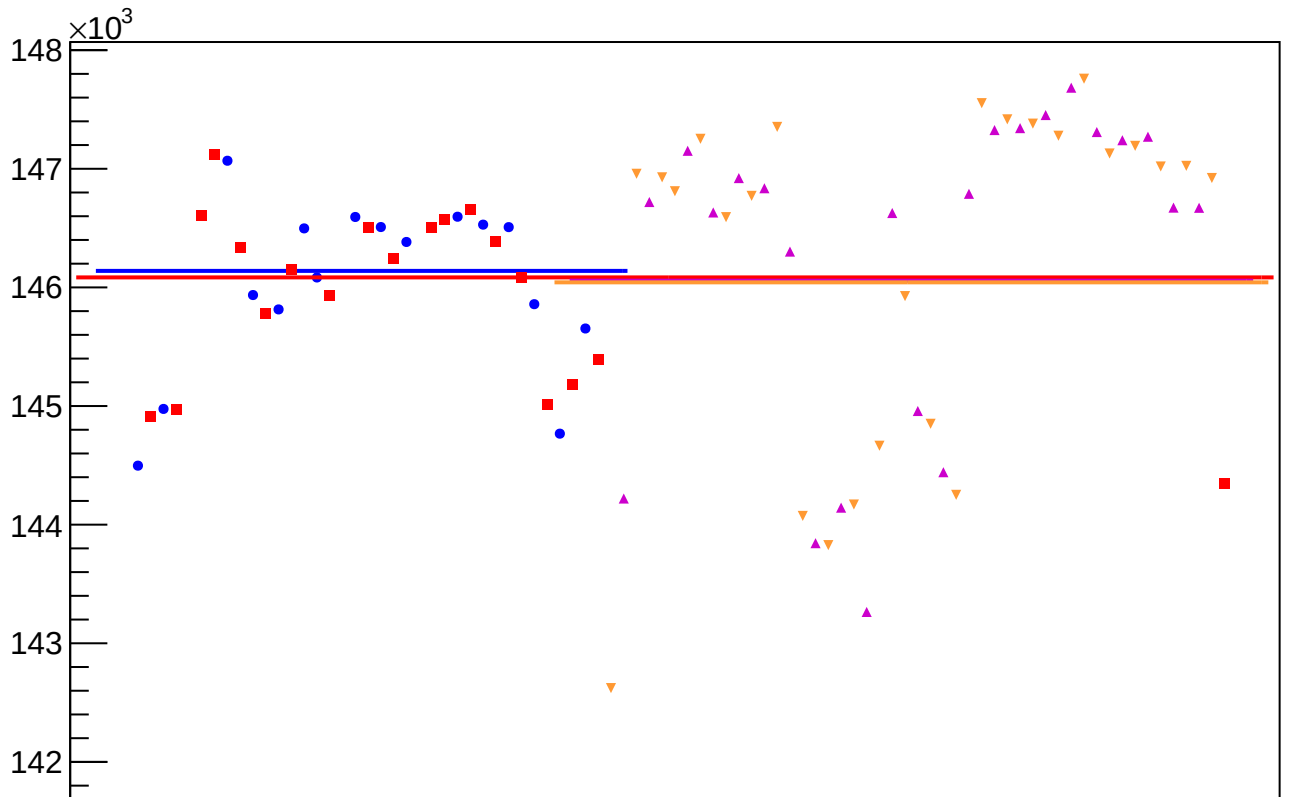
Right Out: 156.929+/-0.043 χ^2/NDF: 1586549.4/19

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 201.460+/-0.029 χ^2/NDF: 2984742.2/40

All: 198.102+/-0.020 χ^2/NDF: 6742476.1/83

- sign 194.859+/-0.028 χ^2/NDF: 3731019.5/42



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: 146084.292+/-0.062 χ^2/NDF: 86730877.3/19

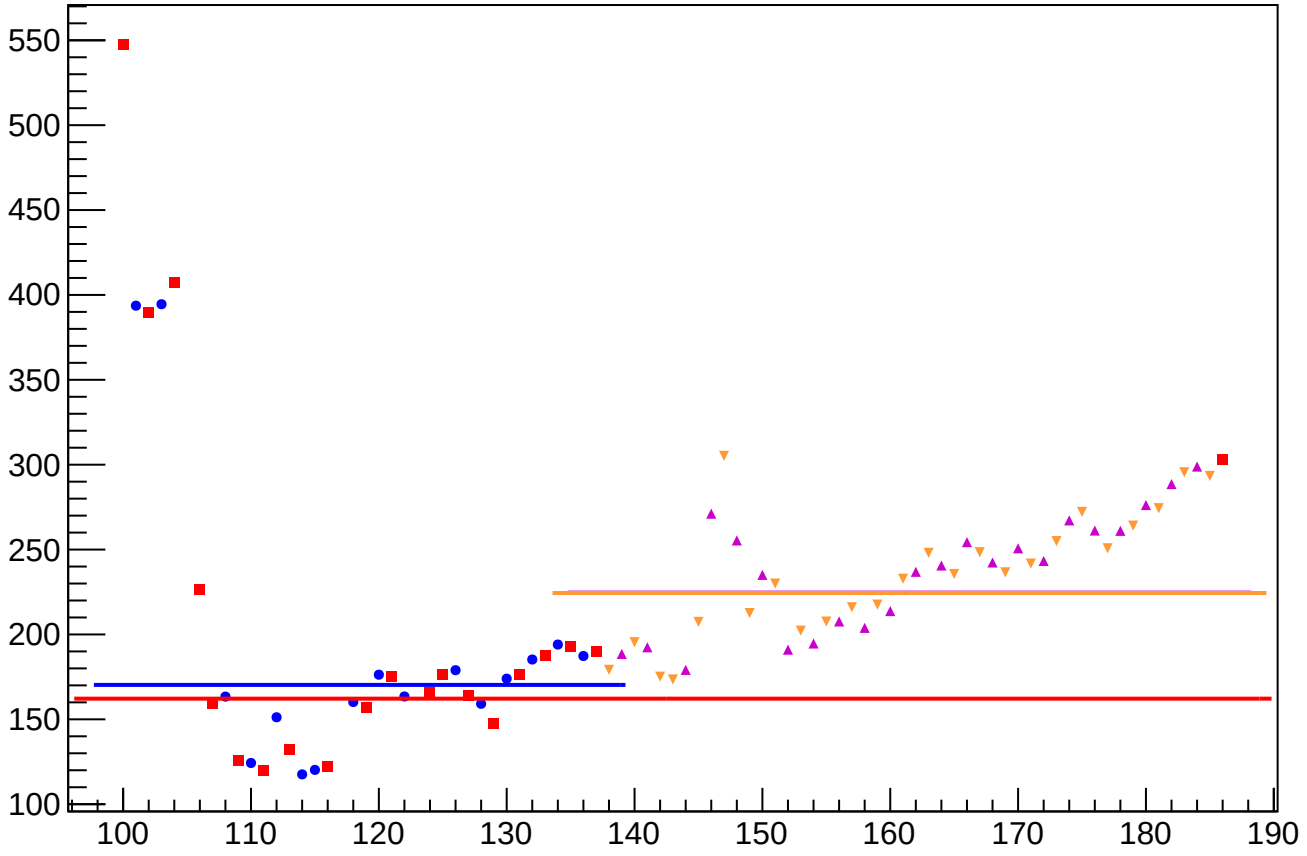
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 146078.695+/-0.041 χ^2/NDF: 955714630.9/4

All: 146073.514+/-0.029 χ^2/NDF: 17413334

- sign 146068.497+/-0.041 χ^2/NDF: 785587641.2/42

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

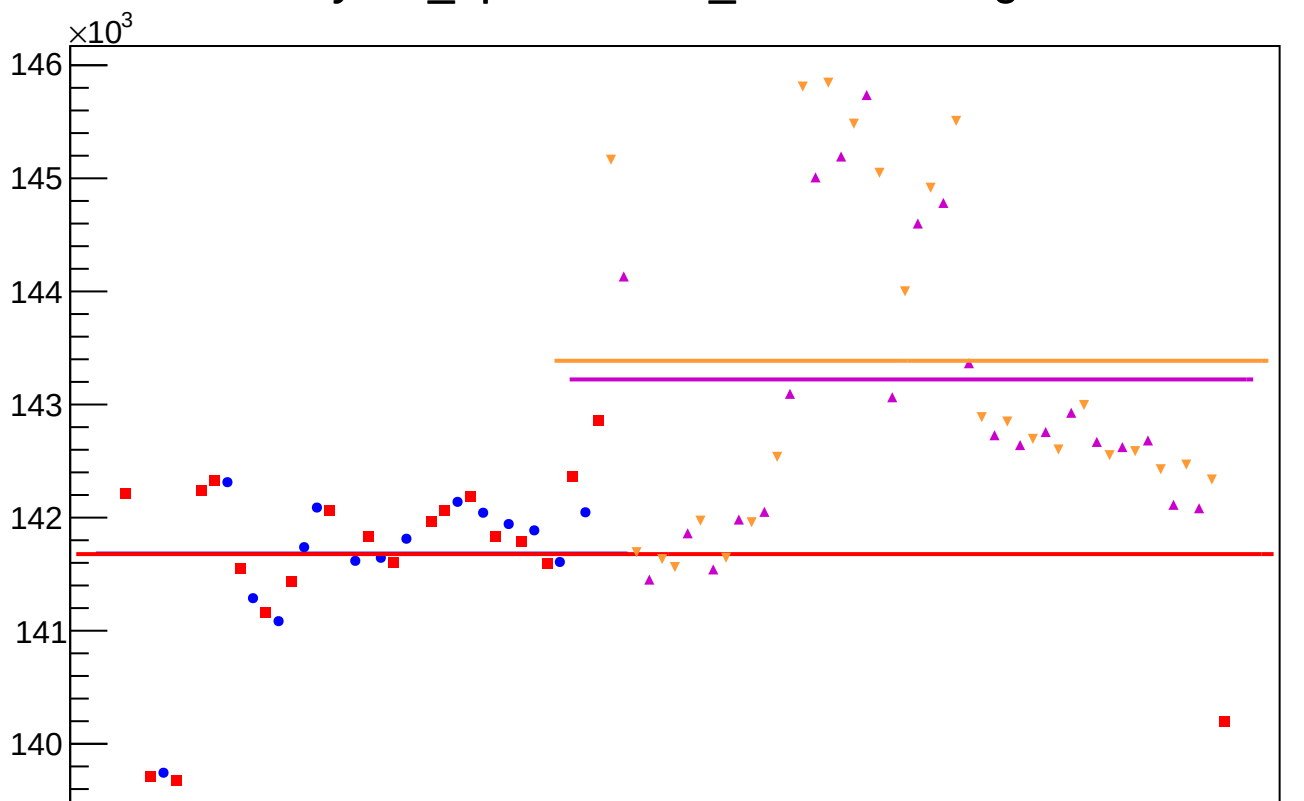
Right Out: 162.180+/-0.044 χ^2/NDF: 1472000.3/19

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 204.204+/-0.029 χ^2/NDF: 2715412.6/40

All: 201.015+/-0.020 χ^2/NDF: 6132101.0/83

- sign 197.927+/-0.029 χ^2/NDF: 3393076.0/42



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

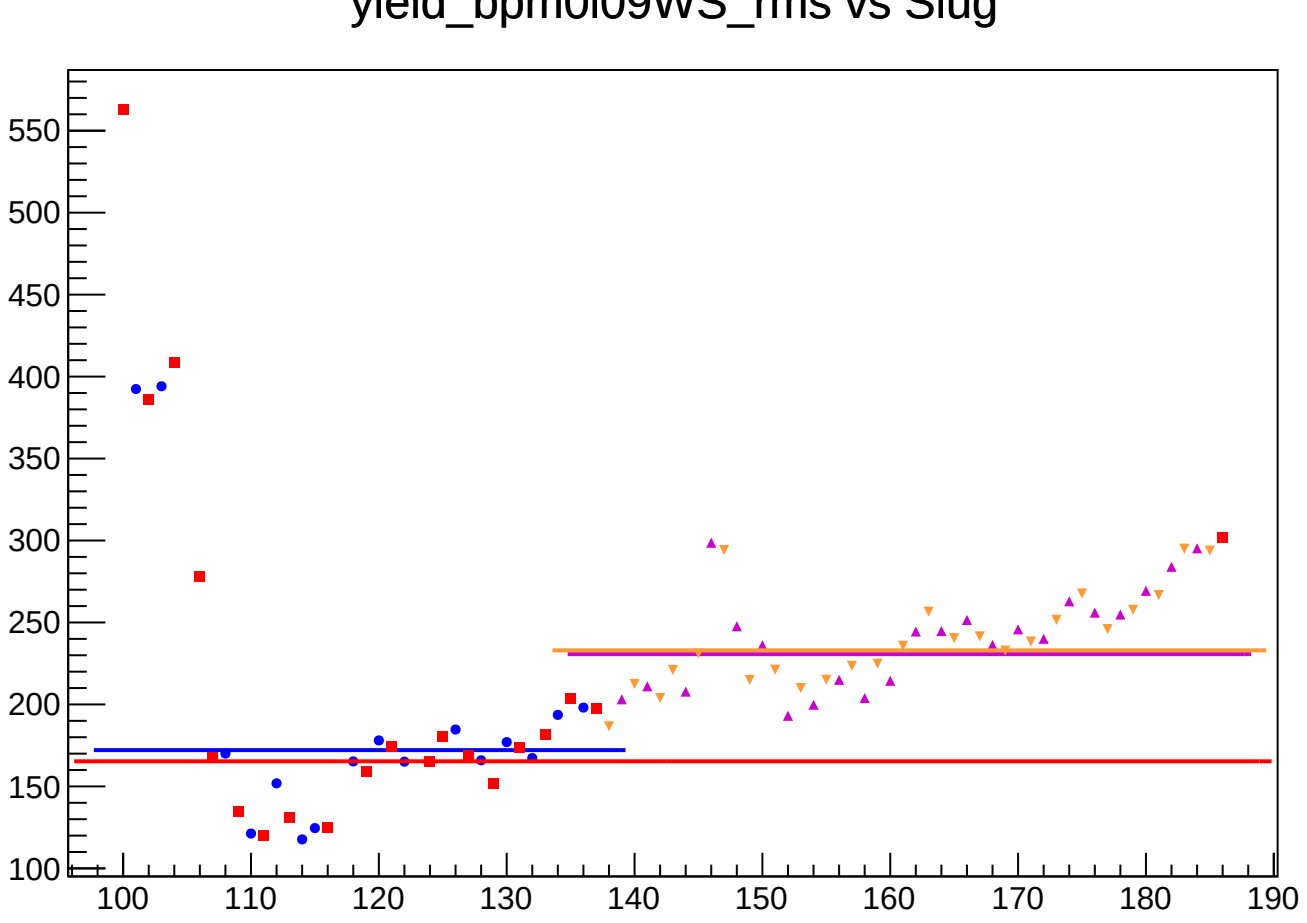
Right Out: 141677.419+/-0.063 χ^2/NDF: 75442182.5/19

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign 142735.433+/-0.042 χ^2/NDF: 1233732561.3

All: 142645.518+/-0.030 χ^2/NDF: 21988771

- sign 142558.882+/-0.041 χ^2/NDF: 956230342.5/4



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

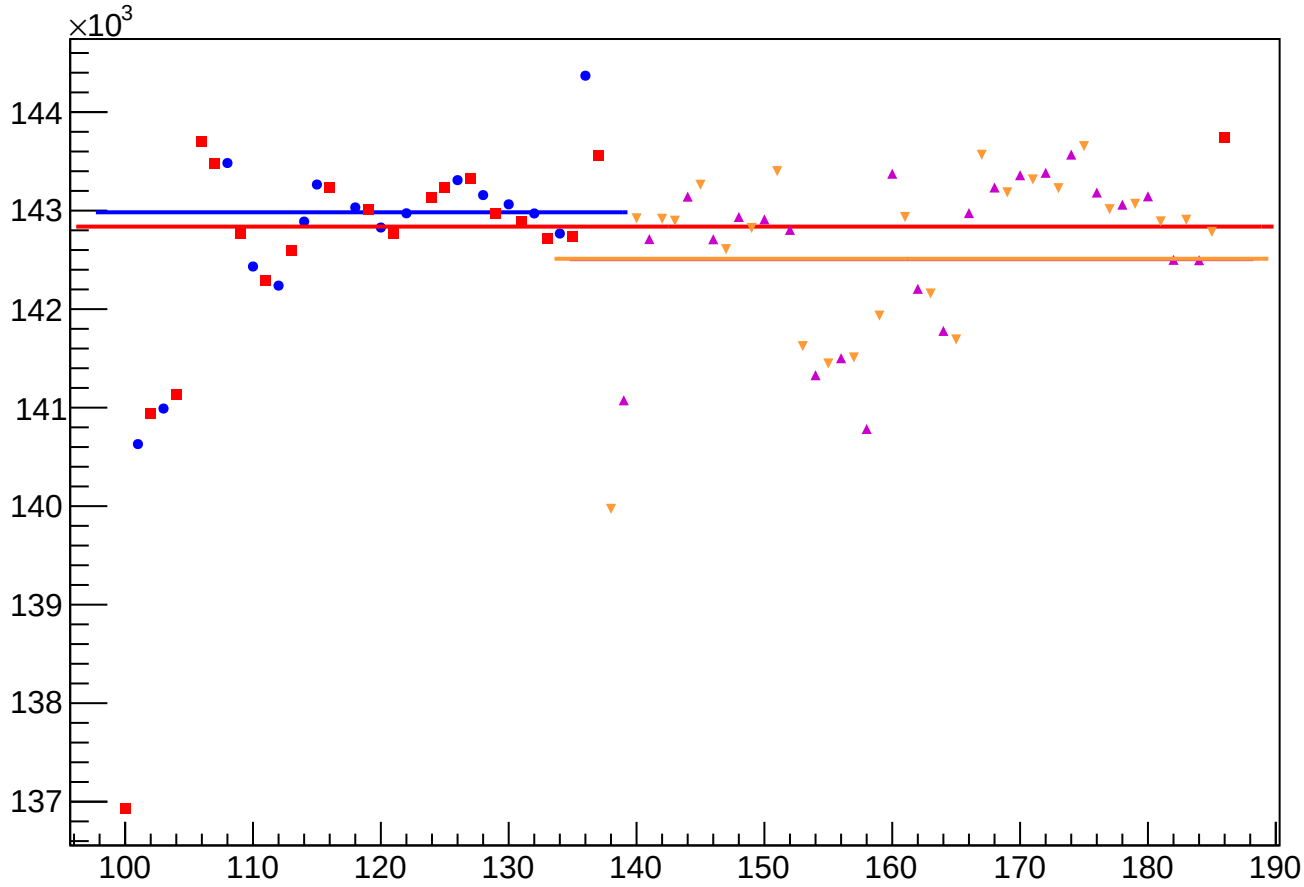
Right Out: 165.308+/-0.045 χ^2/NDF: 1473864.1/19

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 209.750+/-0.030 χ^2/NDF: 2497087.1/40

All: 206.122+/-0.021 χ^2/NDF: 5732821.6/83

- sign 202.627+/-0.029 χ^2/NDF: 3206711.8/42



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142837.790+/-0.064 χ^2/NDF: 66964075.7/19

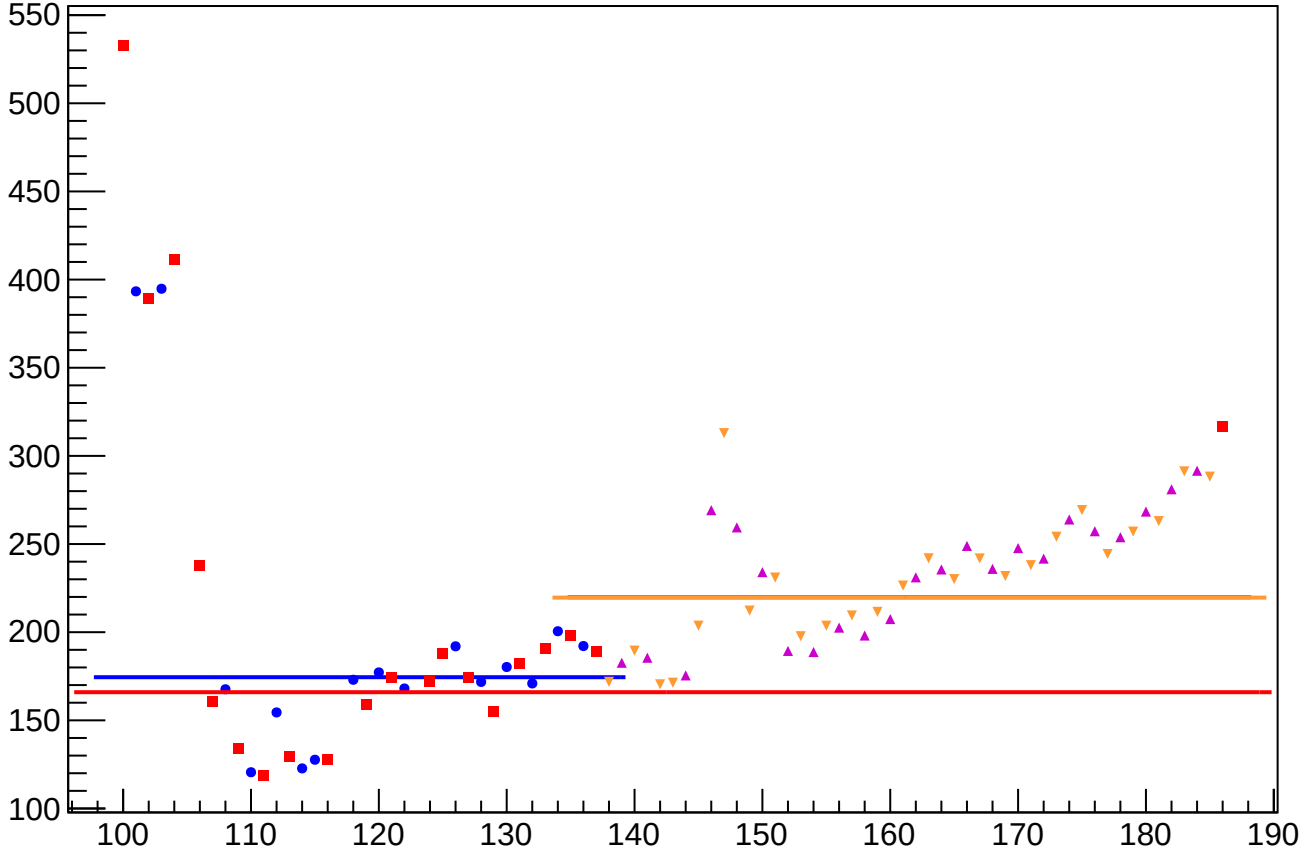
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142677.239+/-0.041 χ^2/NDF: 475975958.2/4

All: 142659.032+/-0.029 χ^2/NDF: 82868811

- sign 142641.324+/-0.040 χ^2/NDF: 352322858.4/4

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

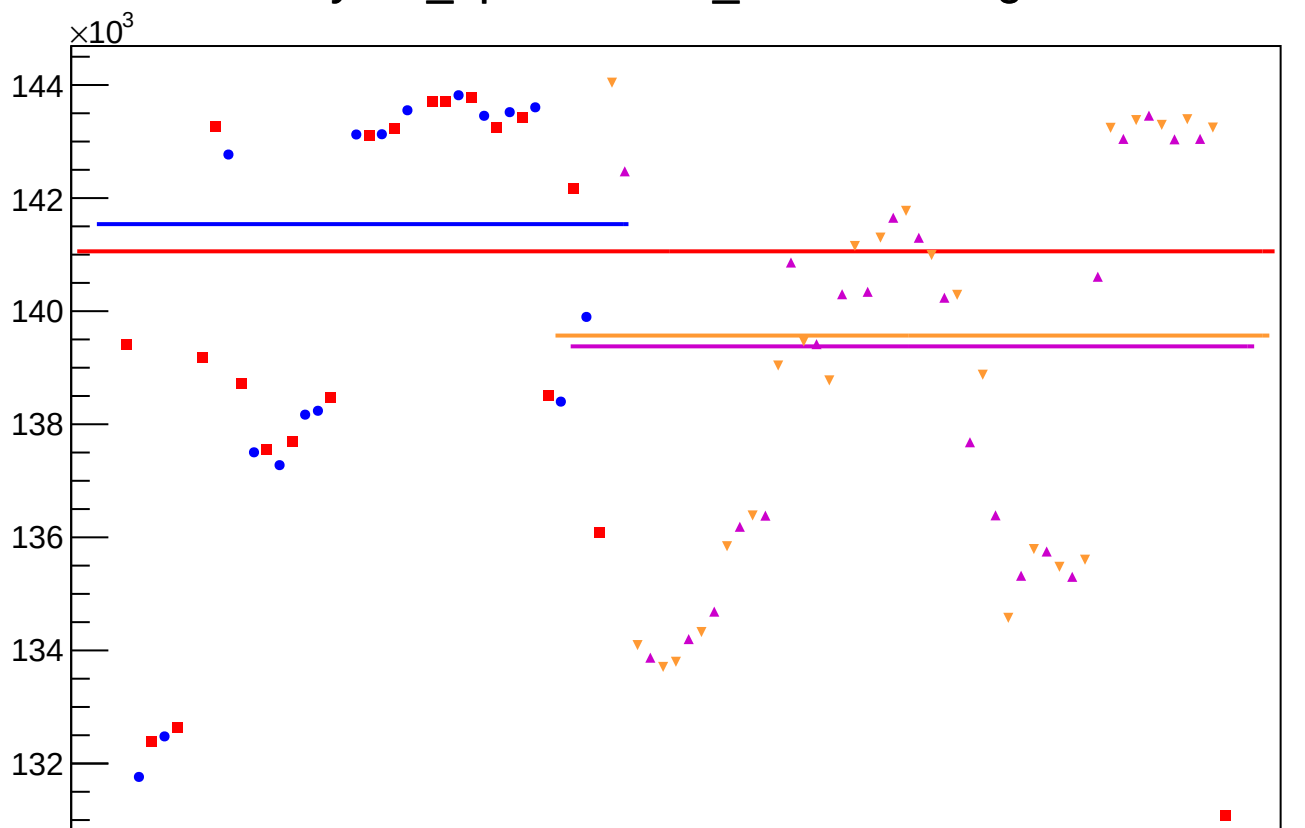
Right Out: 165.958+/-0.045 χ^2/NDF: 1470288.5/19

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 203.740+/-0.029 χ^2/NDF: 2504591.5/40

All: 200.829+/-0.020 χ^2/NDF: 5655994.1/83

- sign 197.999+/-0.029 χ^2/NDF: 3131508.1/42



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 141058.266+/-0.100 χ^2/NDF: 1219650420.8/19

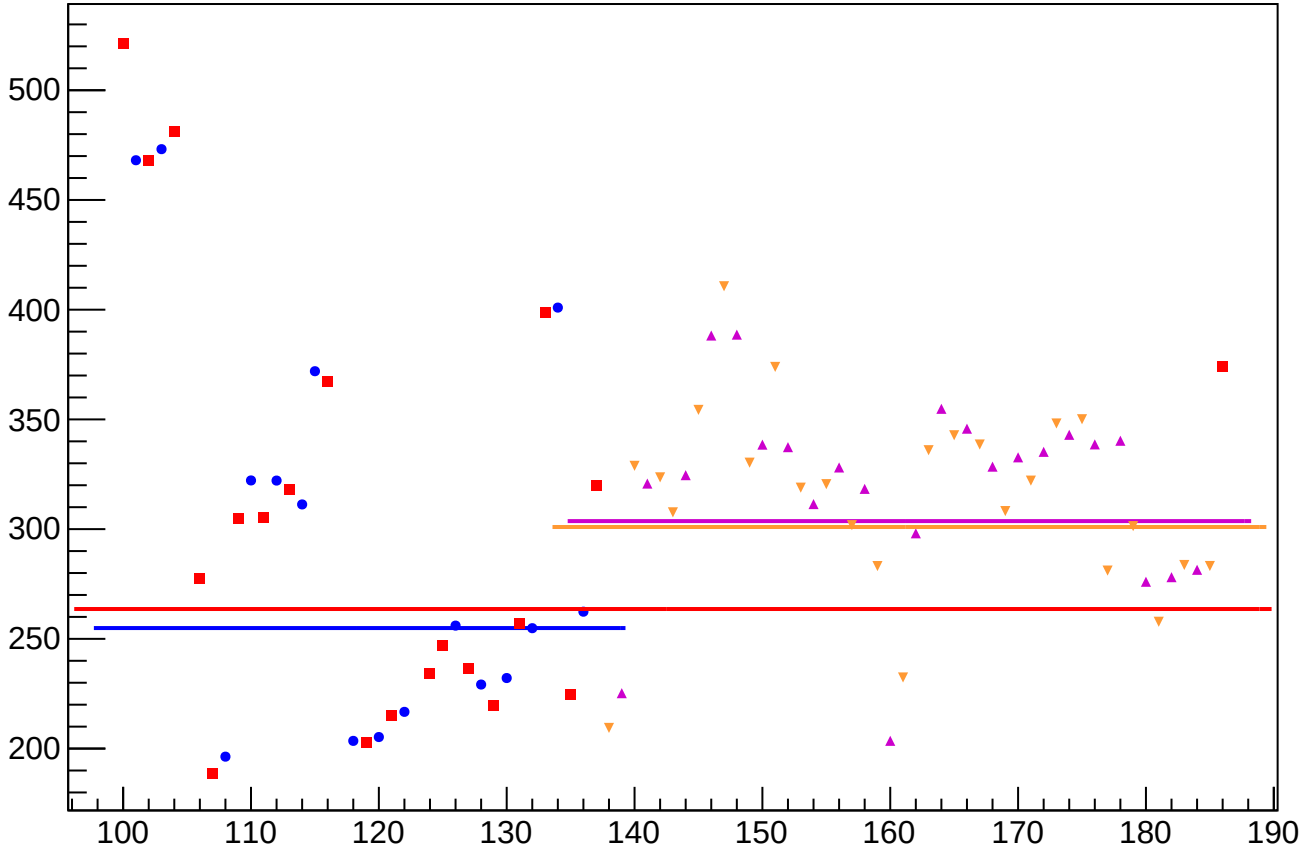
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 140210.153+/-0.058 χ^2/NDF: 3792156777.5

All: 140090.075+/-0.041 χ^2/NDF: 71274587

- sign 139964.320+/-0.059 χ^2/NDF: 3326377529.0/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

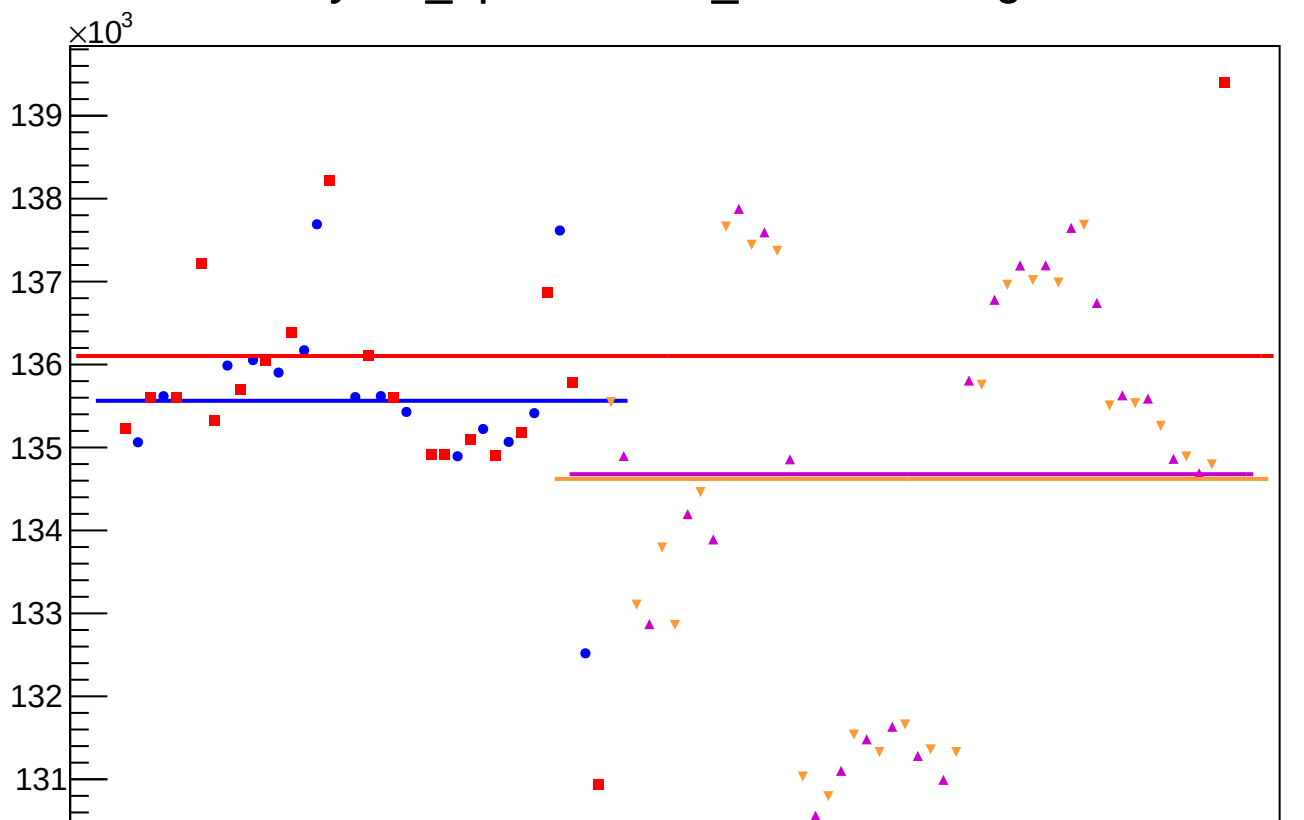
Right Out: 263.598+/-0.070 χ^2/NDF: 1065363.9/19

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 285.978+/-0.041 χ^2/NDF: 2108282.2/40

All: 287.783+/-0.029 χ^2/NDF: 4364475.4/83

- sign 289.673+/-0.042 χ^2/NDF: 2252160.5/42



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 136103.363+/-0.104 χ^2/NDF: 137851369.9/19

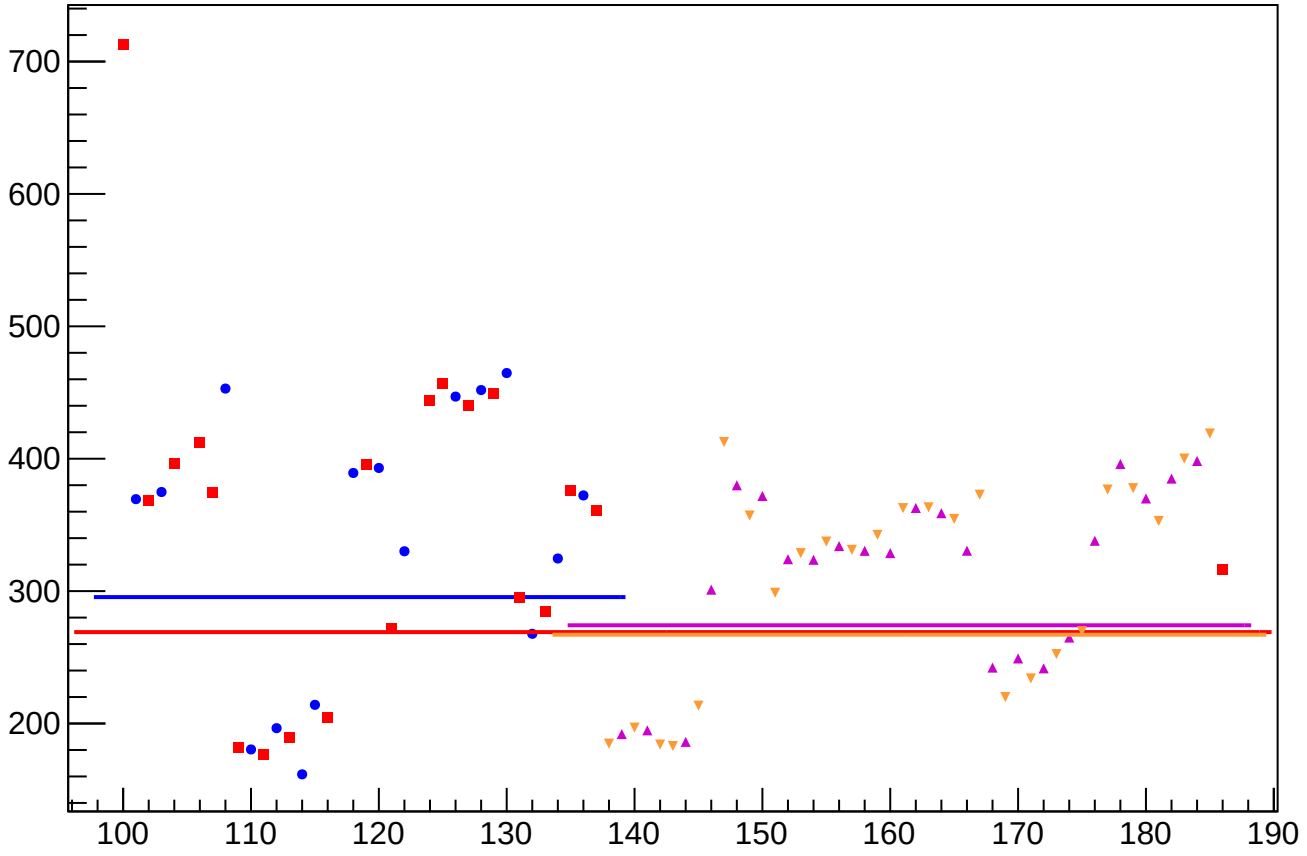
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134832.774+/-0.056 χ^2/NDF: 1344776842.6

All: 134963.847+/-0.040 χ^2/NDF: 27226649

- sign 135095.592+/-0.056 χ^2/NDF: 1366948535.5/

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

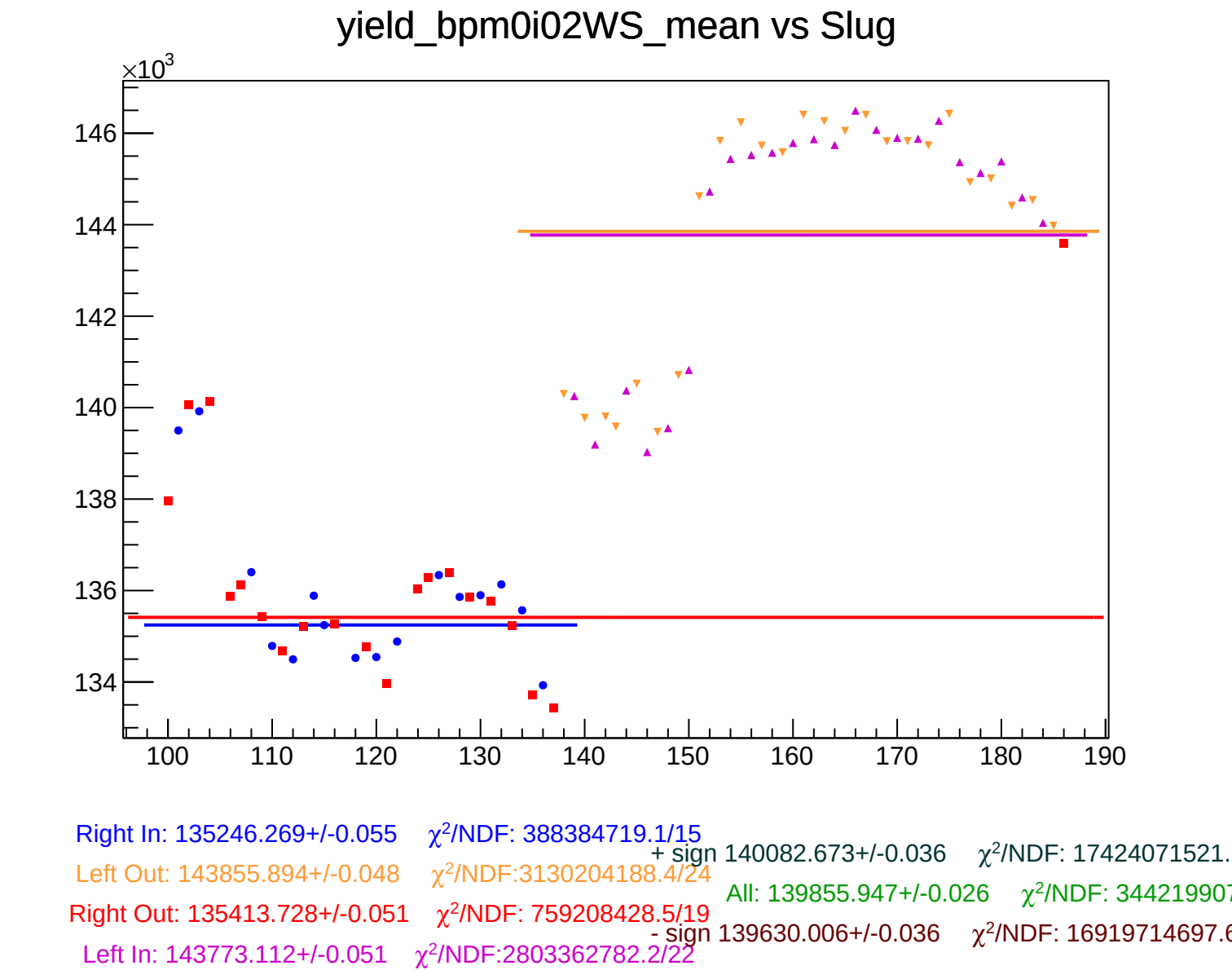
Right Out: 269.034+/-0.074 χ^2/NDF: 1696960.7/19

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

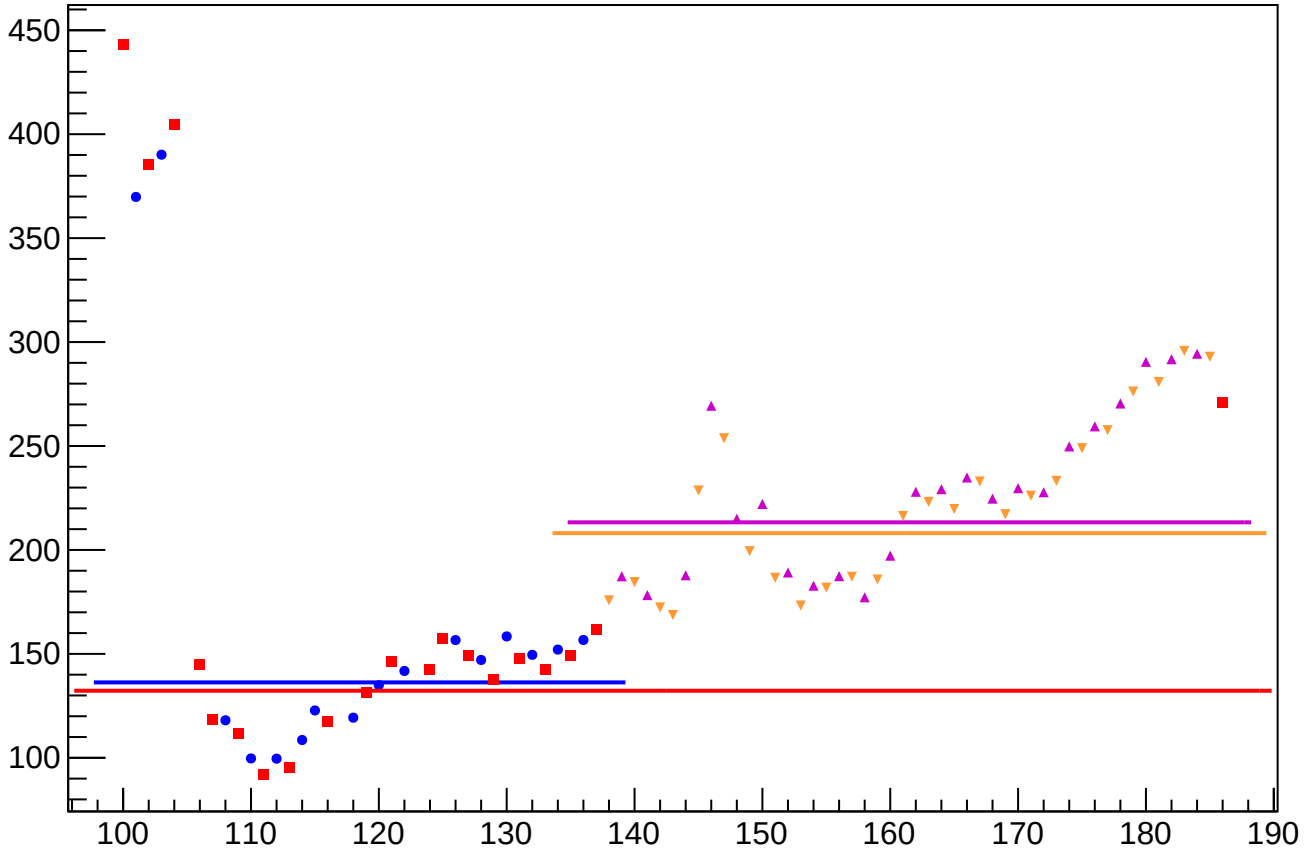
+ sign 273.444+/-0.040 χ^2/NDF: 4375286.8/40

All: 273.059+/-0.028 χ^2/NDF: 8312652.9/83

- sign 272.671+/-0.040 χ^2/NDF: 3937177.0/42


yield_bpm0i02WS_mean vs Slug
×10^3
146
144
142
140
138
136
134
100
110
120
130
140
150
160
170
180
190
Right In: 135246.269+/-0.055 χ²/NDF: 388384719.1/15
Left Out: 143855.894+/-0.048 χ²/NDF:3130204188.4/24
Right Out: 135413.728+/-0.051 χ²/NDF: 759208428.5/19
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
+ sign 140082.673+/-0.036 χ²/NDF: 17424071521.
All: 139855.947+/-0.026 χ²/NDF: 34421990
- sign 139630.006+/-0.036 χ²/NDF: 16919714697.6

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

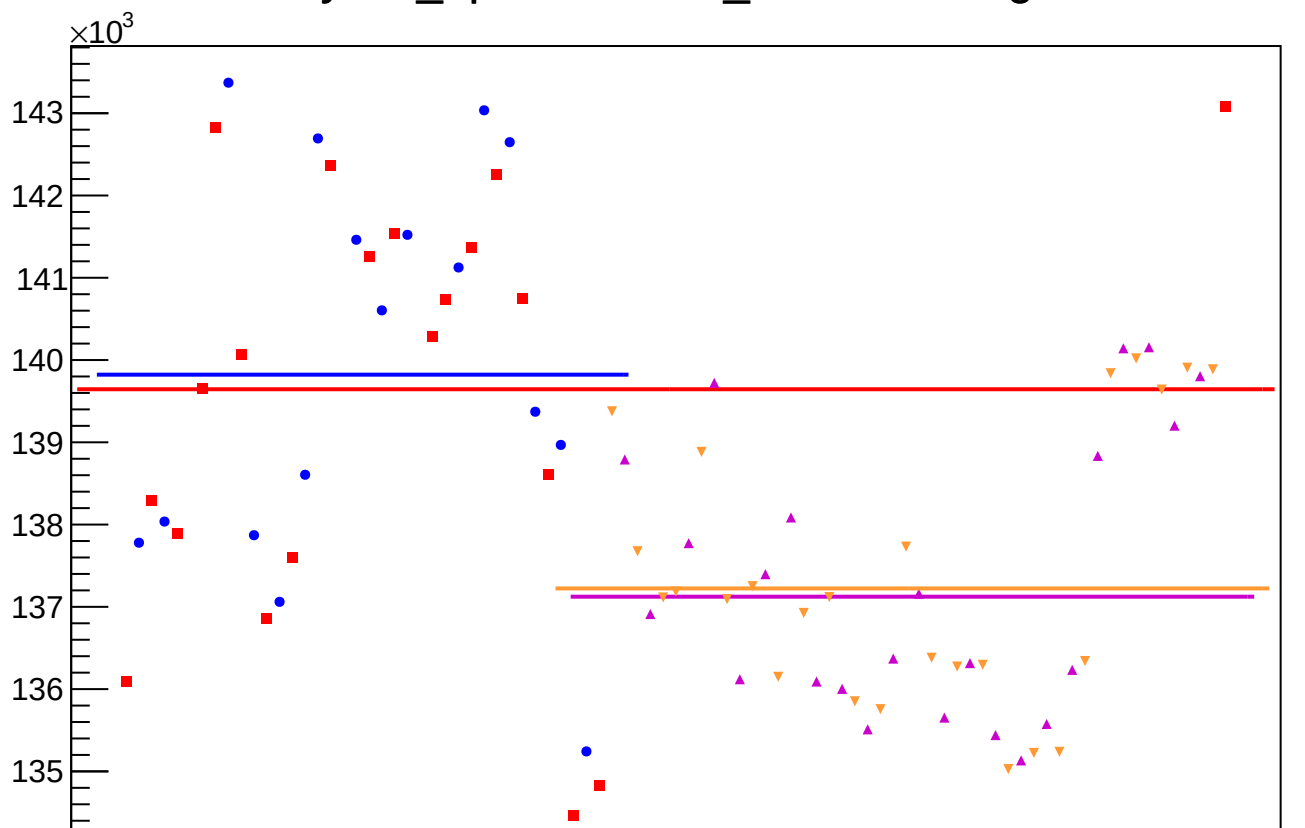
Right Out: 132.273+/-0.036 χ^2/NDF: 1738099.2/19

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 176.627+/-0.026 χ^2/NDF: 4312071.4/40

All: 174.878+/-0.018 χ^2/NDF: 9434099.5/83

- sign 173.135+/-0.026 χ^2/NDF: 5112722.2/42



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 139645.064+/-0.059 χ^2/NDF: 1539010634.6/19

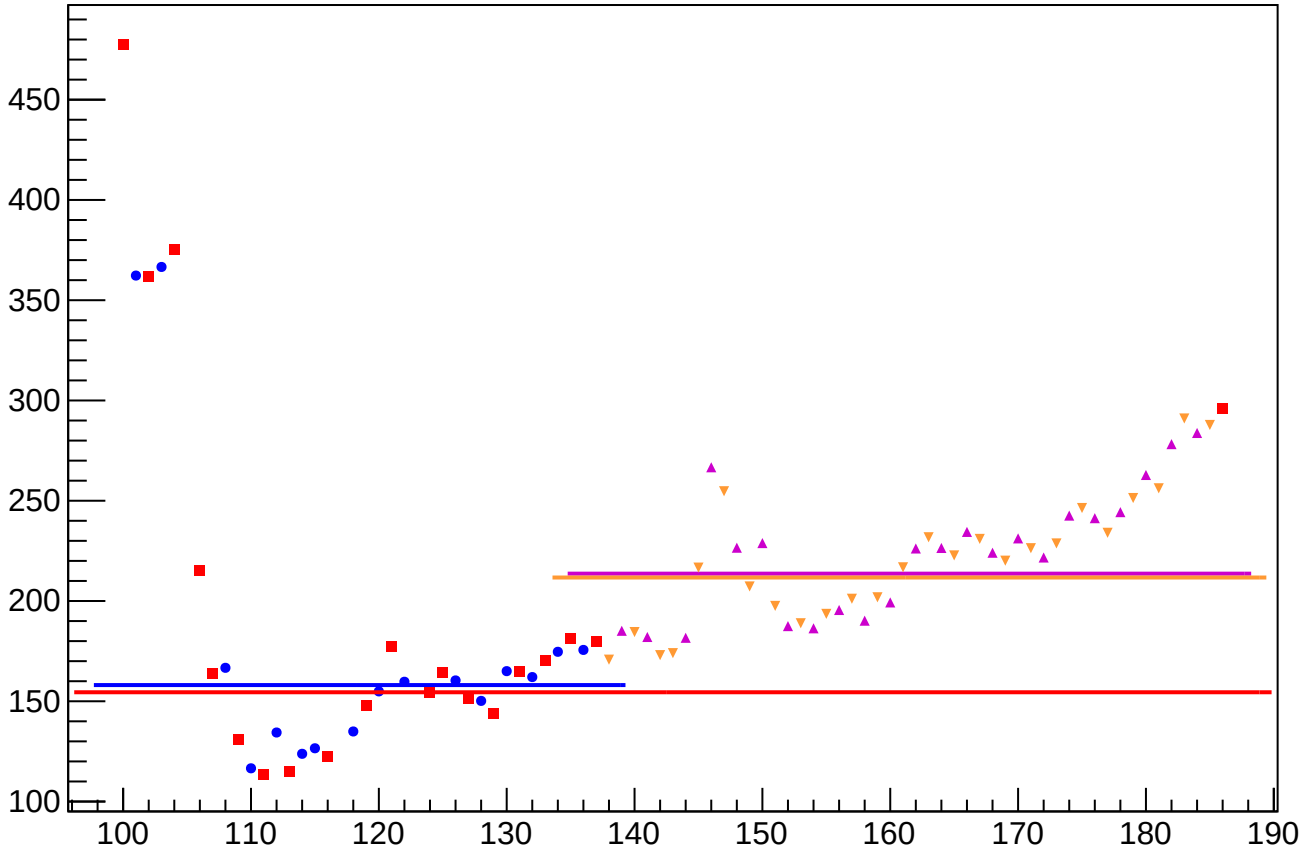
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138212.197+/-0.039 χ^2/NDF: 3625745836.0

All: 138203.457+/-0.027 χ^2/NDF: 706771399

- sign 138194.716+/-0.039 χ^2/NDF: 3441865645.8/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

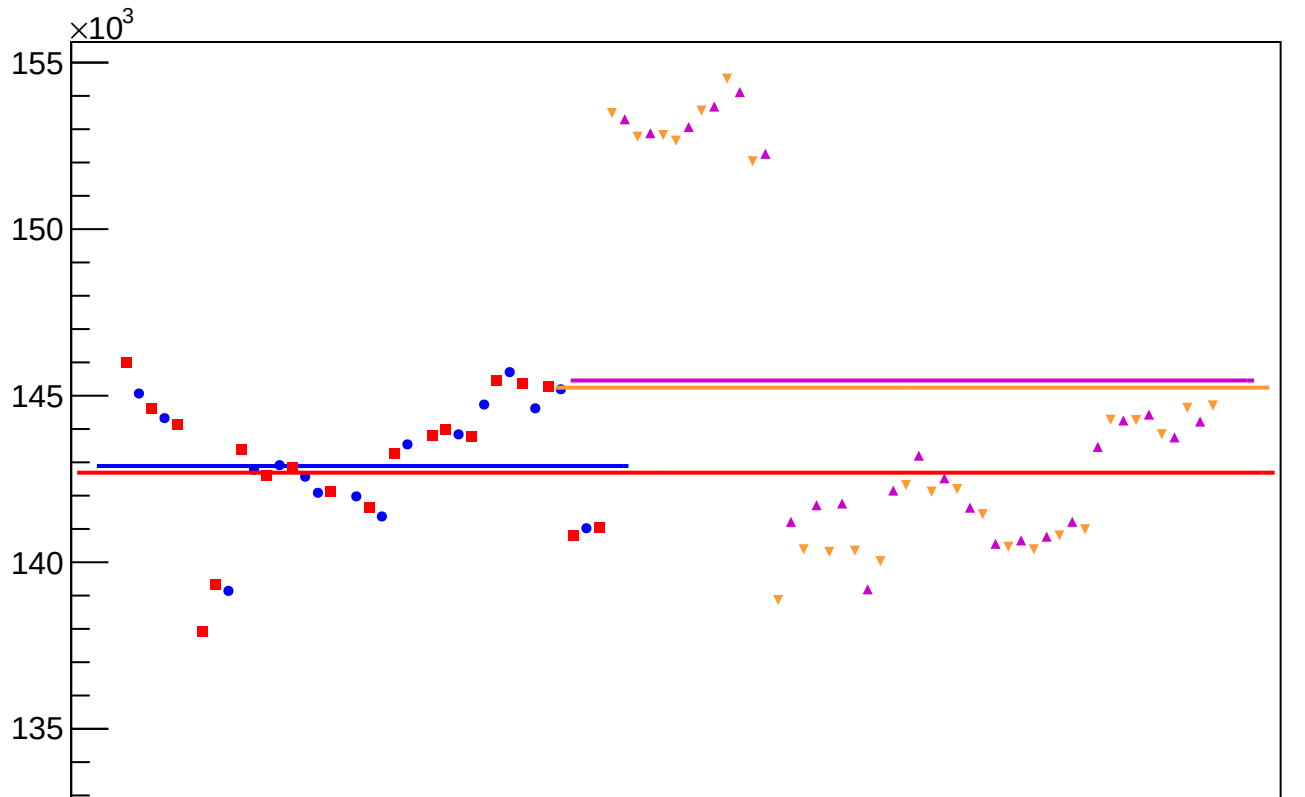
Right Out: 154.491+/-0.042 χ^2/NDF: 1418697.6/19

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

\+ sign 191.309+/-0.027 χ^2/NDF: 2603371.1/40

All: 189.911+/-0.019 χ^2/NDF: 5795692.0/83

\- sign 188.513+/-0.027 χ^2/NDF: 3187075.1/42



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 142689.420+/-0.061 χ^2/NDF: 1460377496.8/19

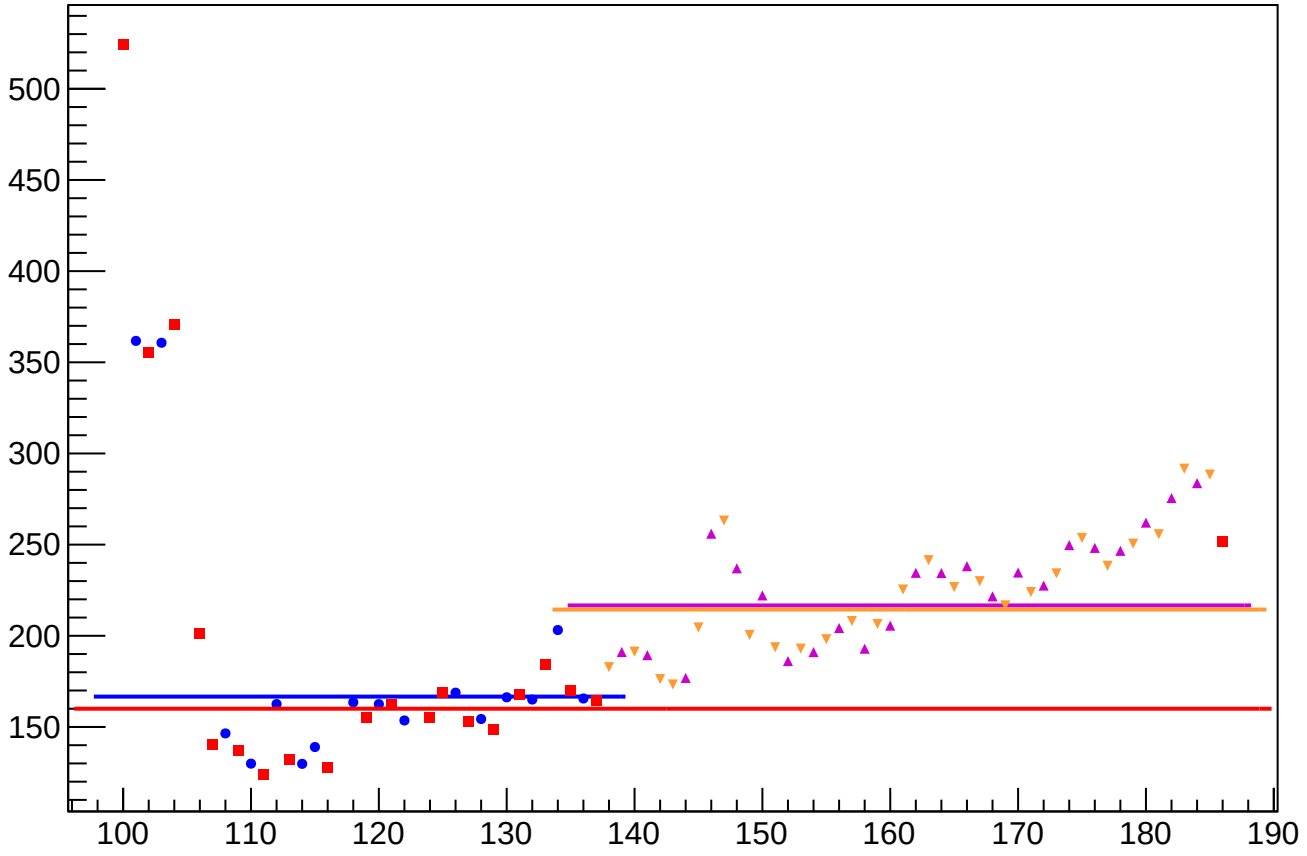
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 144387.420+/-0.040 χ^2/NDF: 14613270141.

All: 144342.841+/-0.028 χ^2/NDF: 28353557

- sign 144298.840+/-0.039 χ^2/NDF: 13737768420.

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

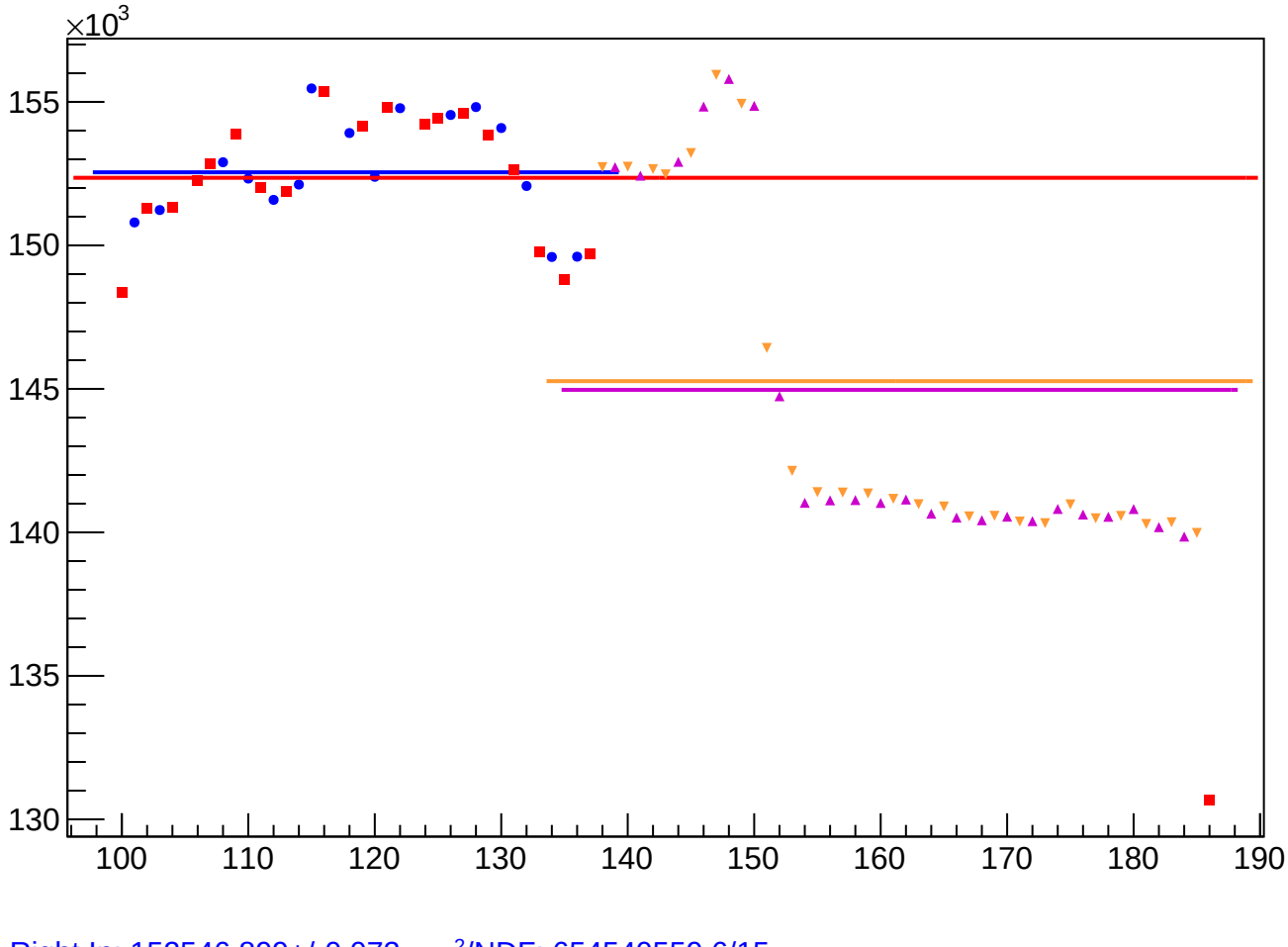
Right Out: 160.015+/-0.043 χ^2/NDF: 1131933.0/19

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 197.047+/-0.028 χ^2/NDF: 2179440.9/40

All: 194.988+/-0.020 χ^2/NDF: 4918351.3/83

- sign 192.956+/-0.028 χ^2/NDF: 2728161.1/42



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 152355.845+/-0.066 χ^2/NDF: 3142546480.6/19

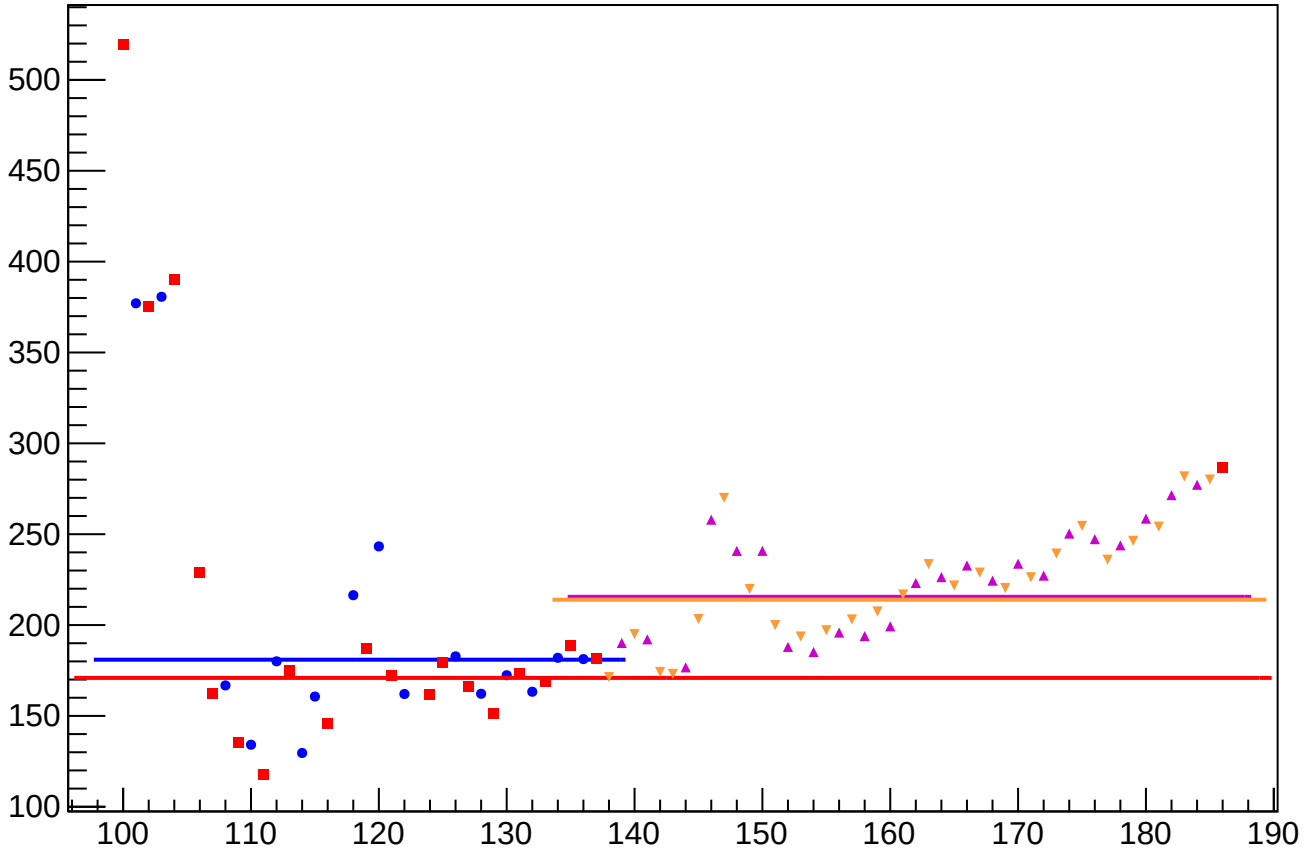
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 147571.387+/-0.041 χ^2/NDF: 21227327952.4

All: 147659.808+/-0.029 χ^2/NDF: 45369148

- sign 147746.518+/-0.040 χ^2/NDF: 24132534972.9

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

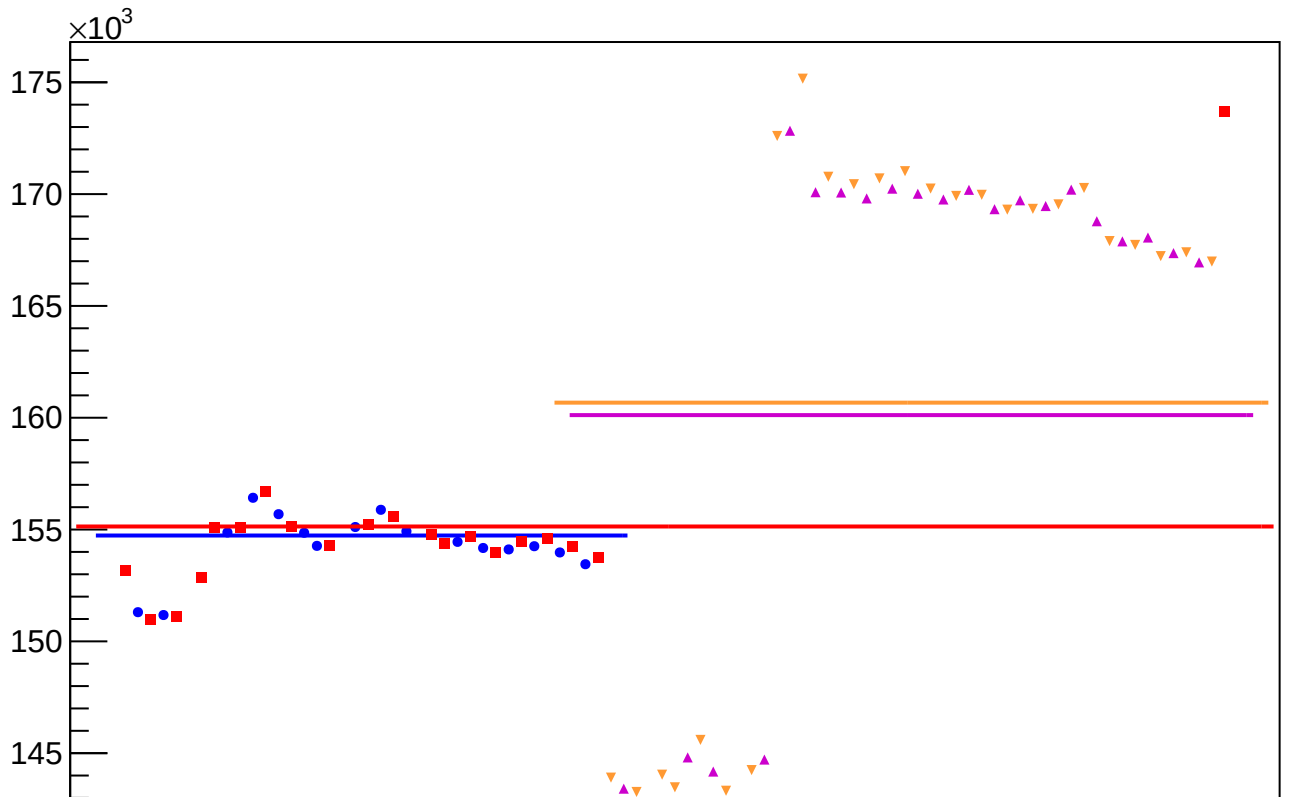
Right Out: 170.924+/-0.047 χ^2/NDF: 1226366.1/19

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 203.510+/-0.029 χ^2/NDF: 1840996.0/40

All: 201.108+/-0.020 χ^2/NDF: 4252884.7/83

- sign 198.753+/-0.029 χ^2/NDF: 2398188.3/42



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 155136.799+/-0.061 χ^2/NDF: 2031631081.6/19

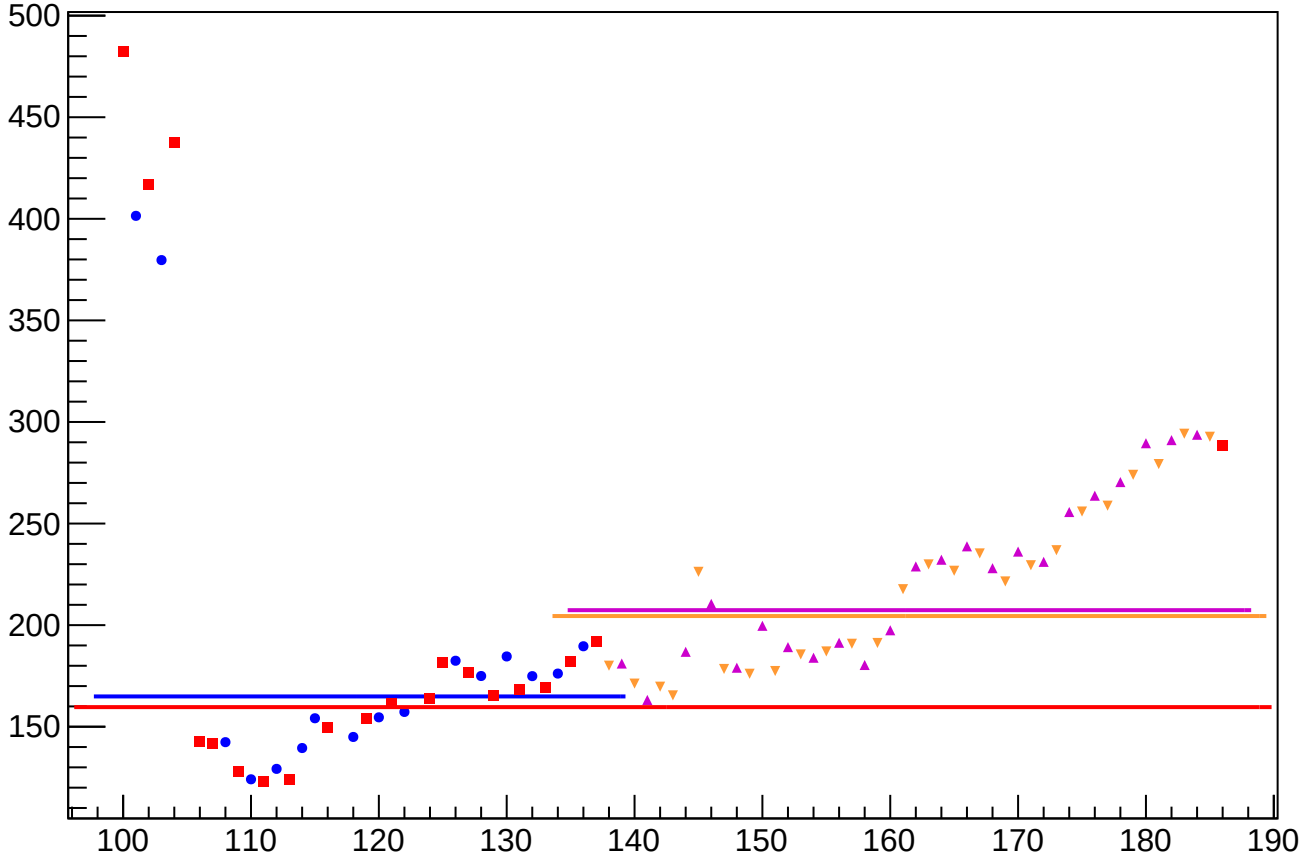
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 158620.645+/-0.038 χ^2/NDF: 79863927386.

All: 158372.717+/-0.027 χ^2/NDF: 15259771

- sign 158125.657+/-0.038 χ^2/NDF: 72650330128.4

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

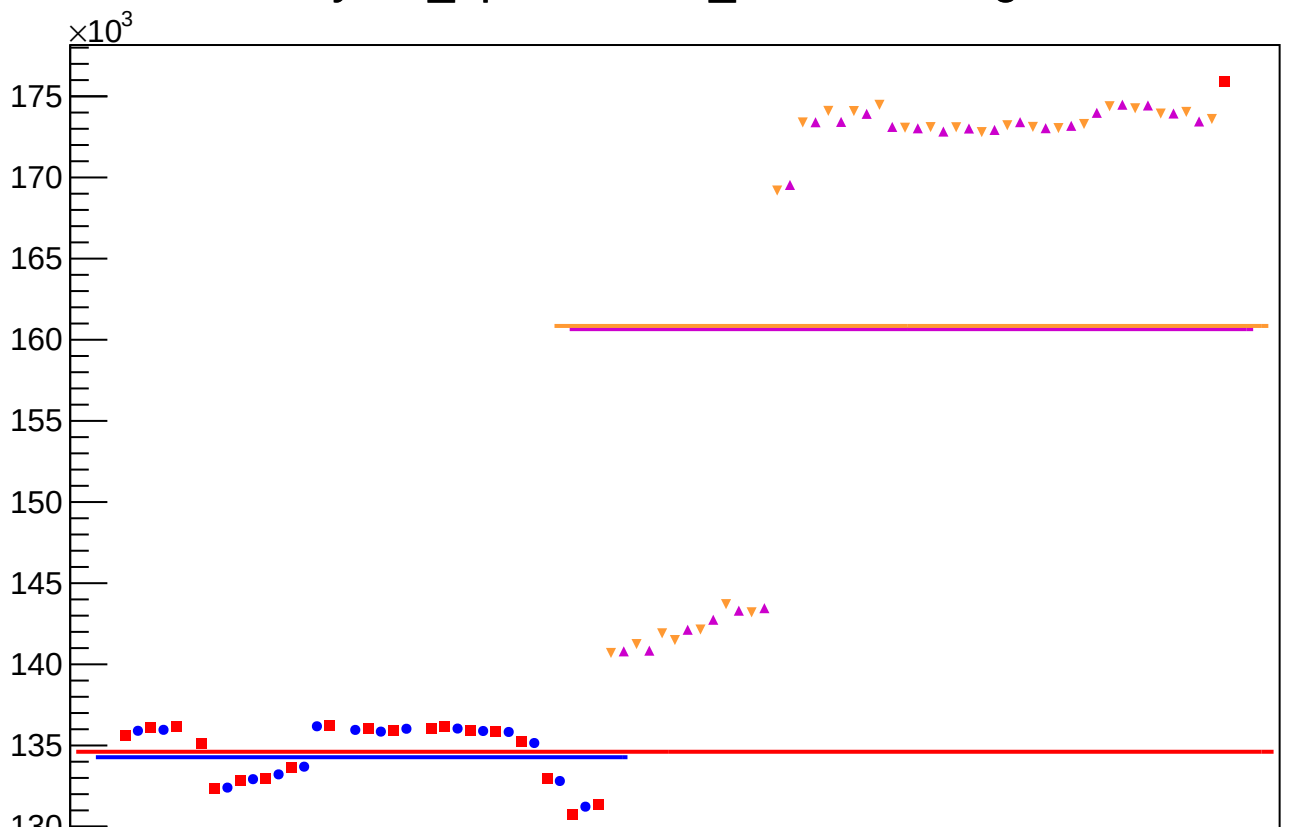
Right Out: 159.649+/-0.043 χ^2/NDF: 1421291.7/19

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 190.796+/-0.027 χ^2/NDF: 2627972.7/40

All: 189.538+/-0.019 χ^2/NDF: 5756574.3/83

- sign 188.285+/-0.027 χ^2/NDF: 3124303.9/42



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 134613.017+/-0.048 χ^2/NDF: 8775994697.0/19

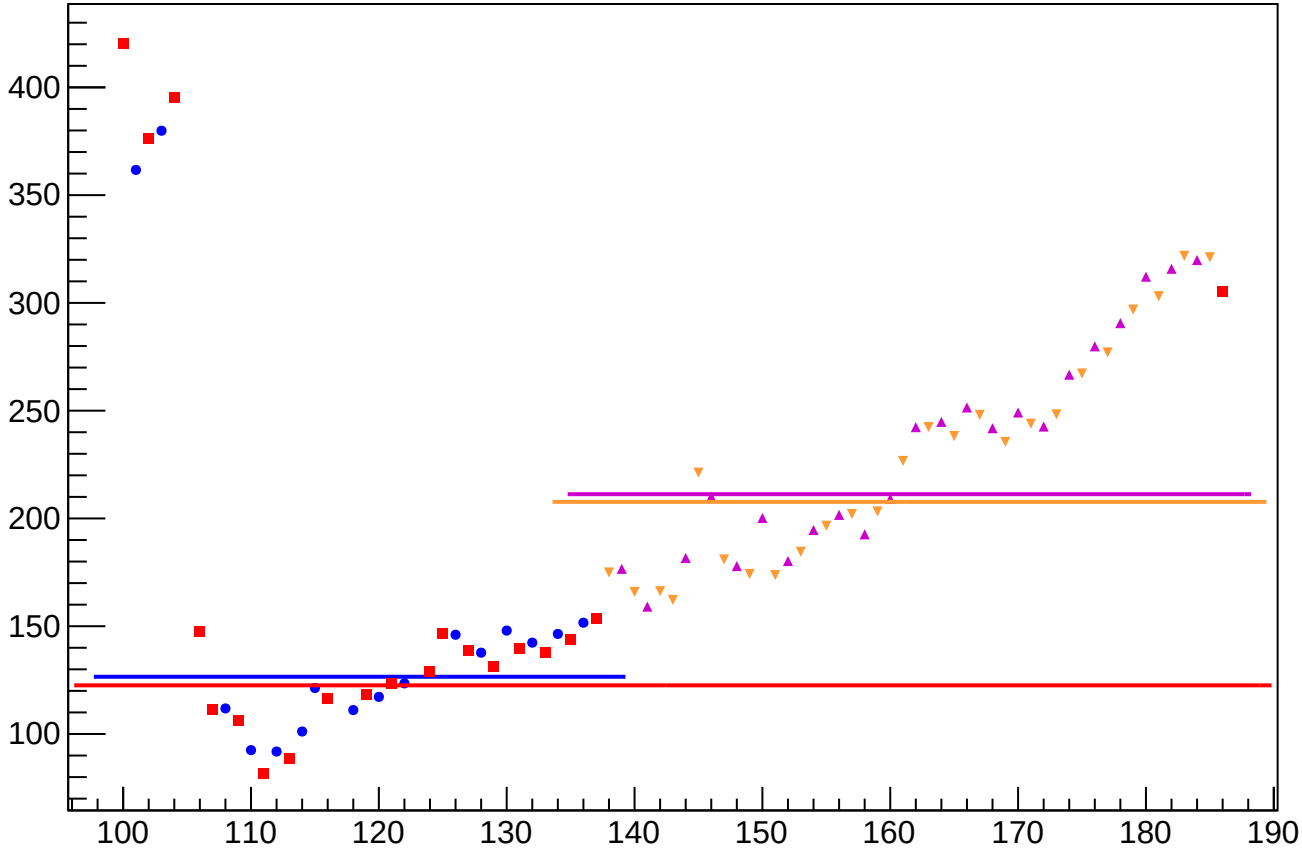
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 148204.701+/-0.035 χ^2/NDF: 243637113352

All: 147532.600+/-0.025 χ^2/NDF: 48341684

- sign 146873.367+/-0.035 χ^2/NDF: 239051835535

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

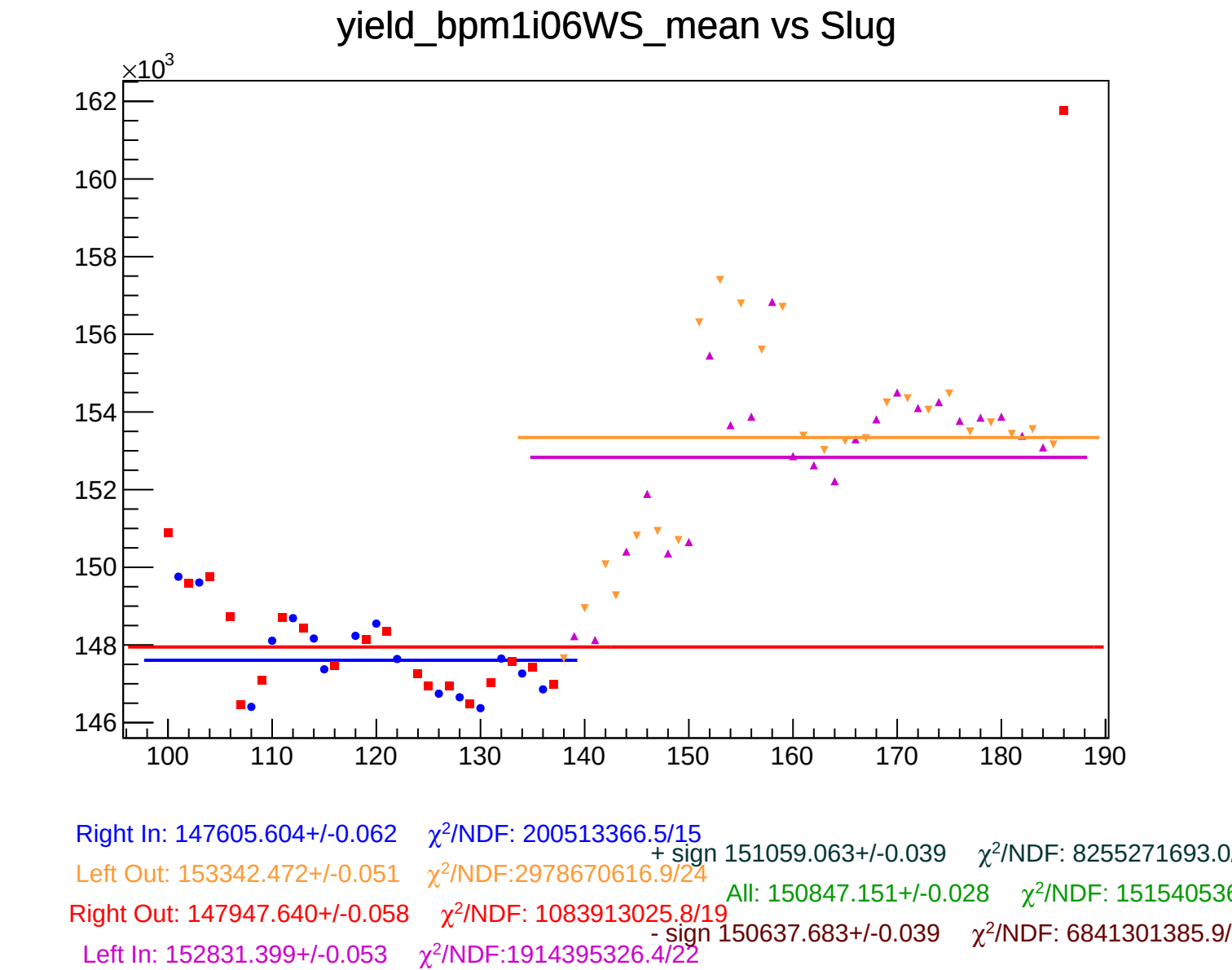
Right Out: 122.573+/-0.034 χ^2/NDF: 1929728.7/19

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 169.077+/-0.025 χ^2/NDF: 5649639.1/40

All: 166.678+/-0.017 χ^2/NDF: 12153698.2/83

- sign 164.325+/-0.025 χ^2/NDF: 6485508.3/42


yield_bpm1i06WS_mean vs Slug
×10^3
162
160
158
156
154
152
150
148
146
100
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120
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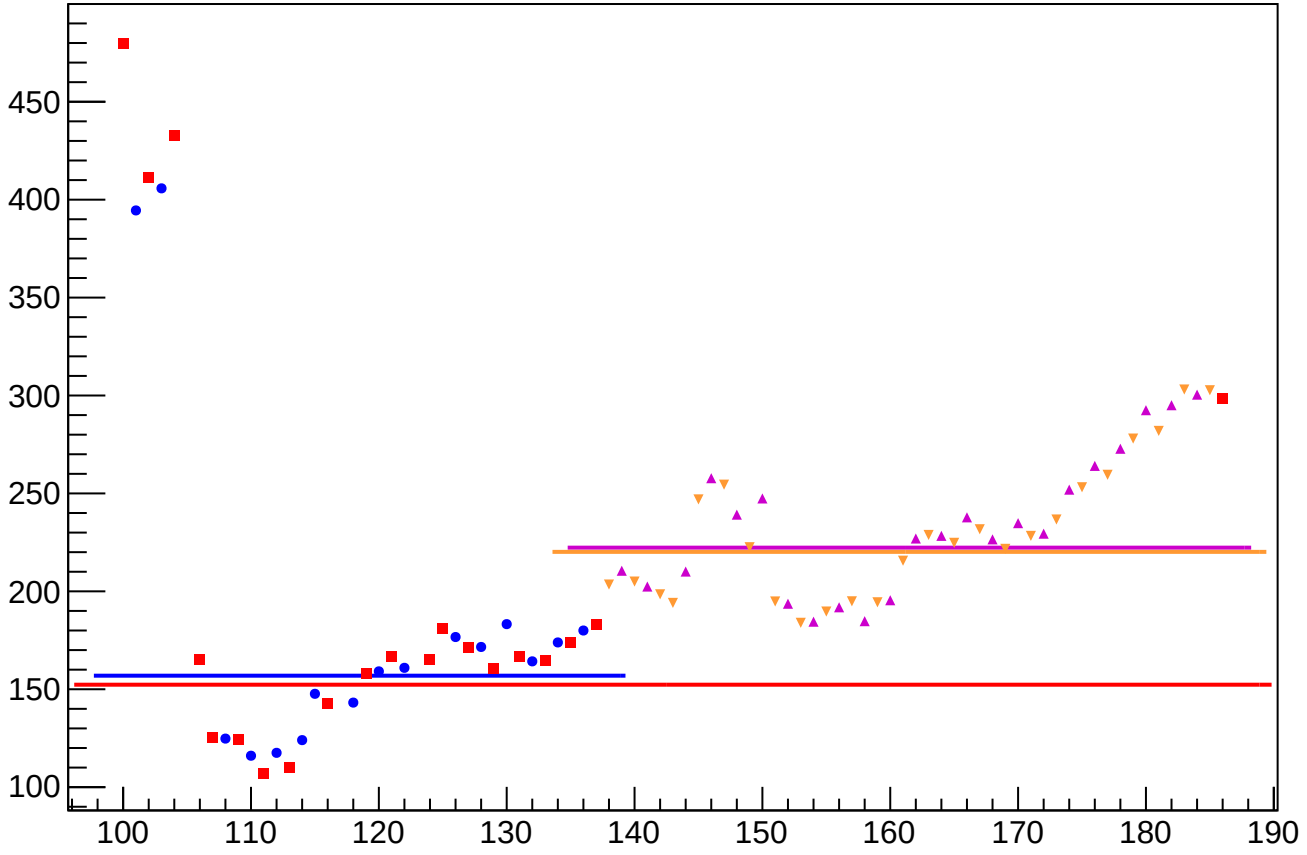
140
150
160
170
180
190
Right In: 147605.604+/-0.062 χ²/NDF: 200513366.5/15
Left Out: 153342.472+/-0.051 χ²/NDF:2978670616.9/24
Right Out: 147947.640+/-0.058 χ²/NDF: 1083913025.8/19
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
+ sign 151059.063+/-0.039 χ²/NDF: 8255271693.0
All: 150847.151+/-0.028 χ²/NDF: 15154053
- sign 150637.683+/-0.039 χ²/NDF: 6841301385.9/

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

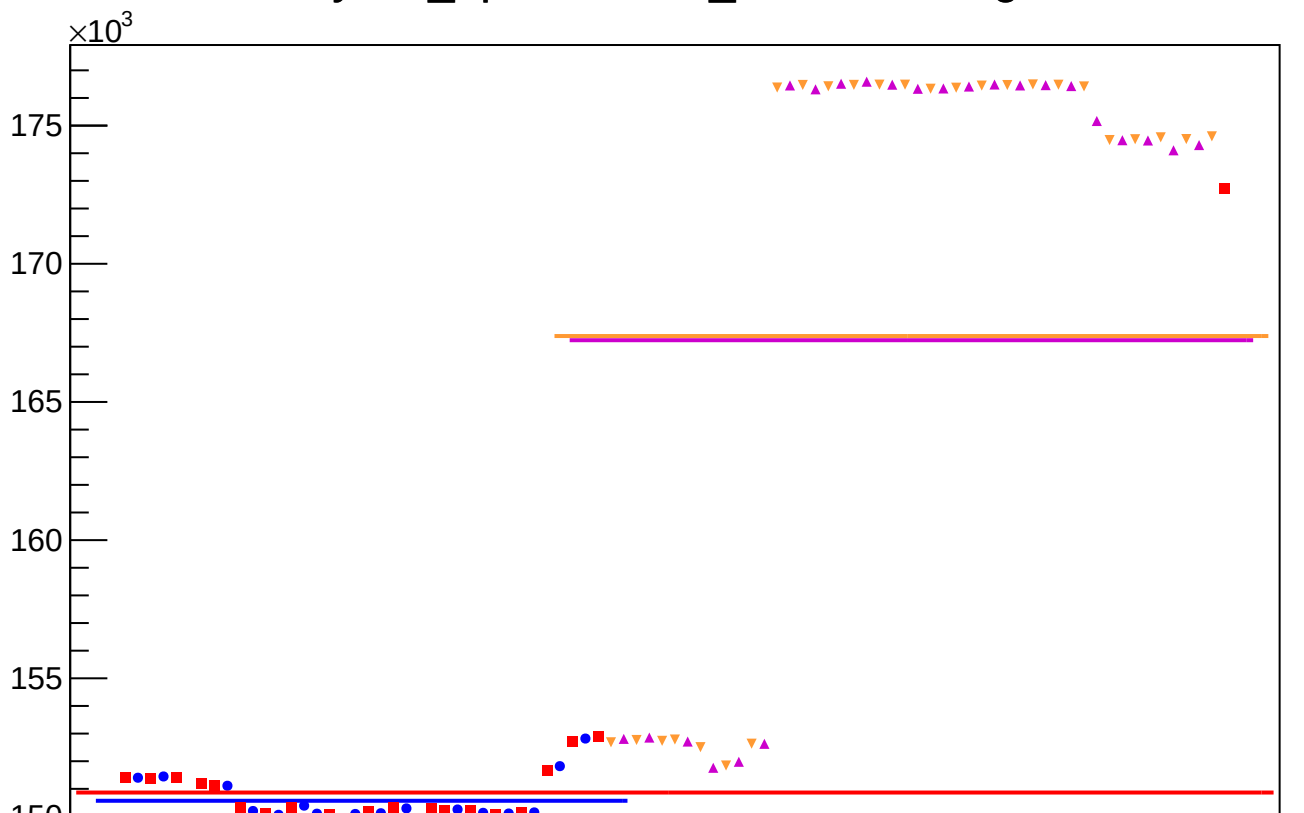
Right Out: 152.325+/-0.041 χ^2/NDF: 1653458.6/19

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 194.989+/-0.028 χ^2/NDF: 3184570.0/40

All: 192.918+/-0.020 χ^2/NDF: 7124705.9/83

- sign 190.870+/-0.028 χ^2/NDF: 3929152.6/42



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 150866.861+/-0.051 χ^2/NDF: 2800684535.7/19

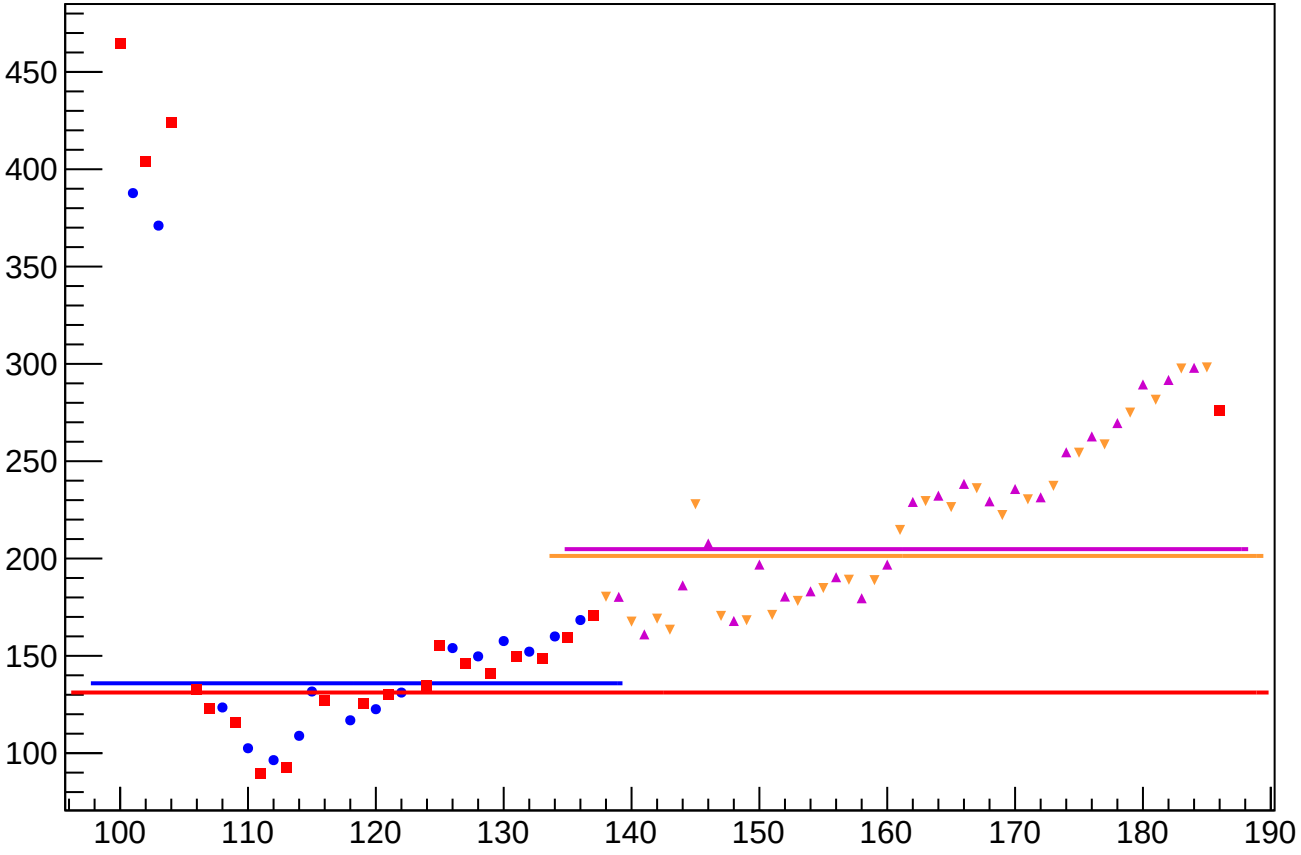
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160276.500+/-0.036 χ^2/NDF: 11458094987

All: 159803.617+/-0.025 χ^2/NDF: 2269332

- sign 159339.866+/-0.035 χ^2/NDF: 112000972598

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

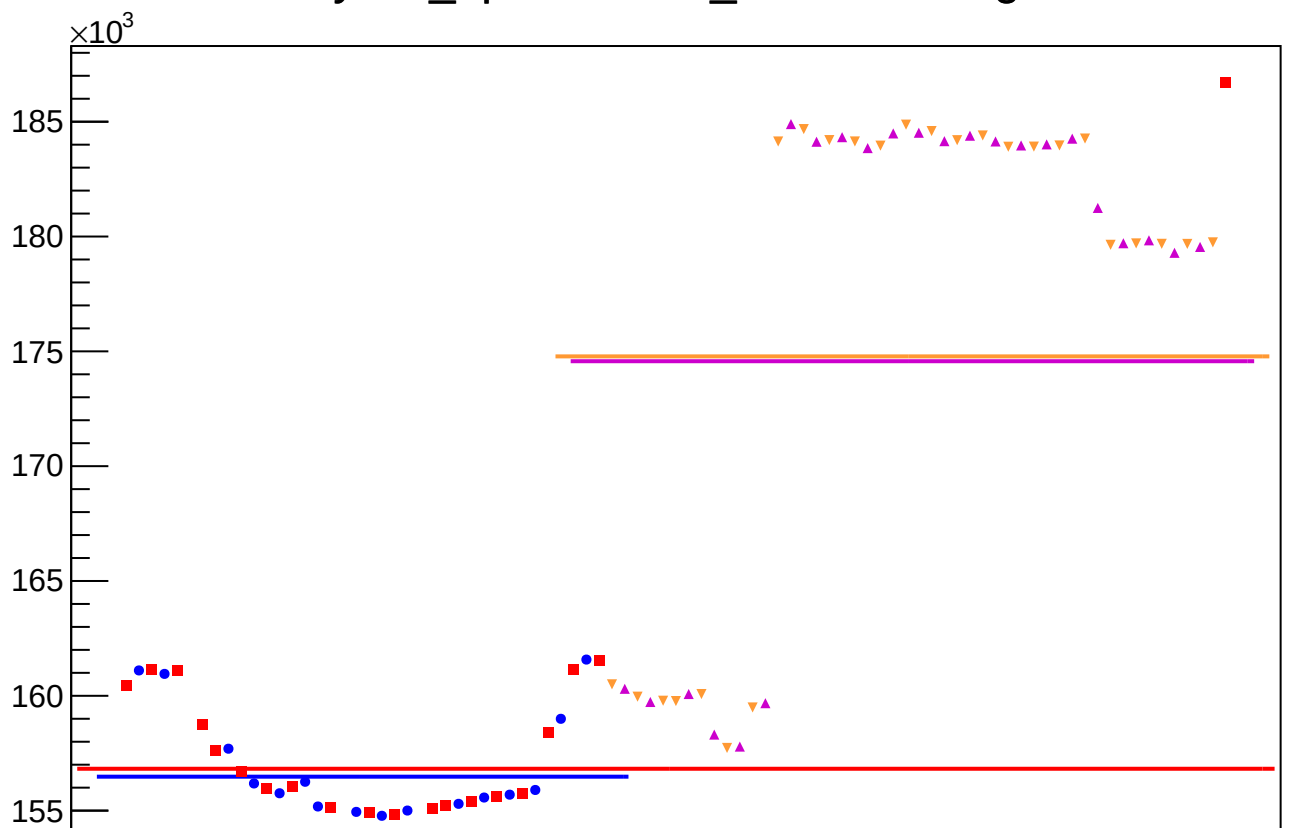
Right Out: 131.156+/-0.036 χ^2/NDF: 1843682.2/19

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 173.668+/-0.025 χ^2/NDF: 4304440.1/40

All: 171.459+/-0.018 χ^2/NDF: 9408653.6/83

- sign 169.293+/-0.025 χ^2/NDF: 5088883.4/42



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 156823.047+/-0.053 χ^2/NDF: 4984295295.3/19

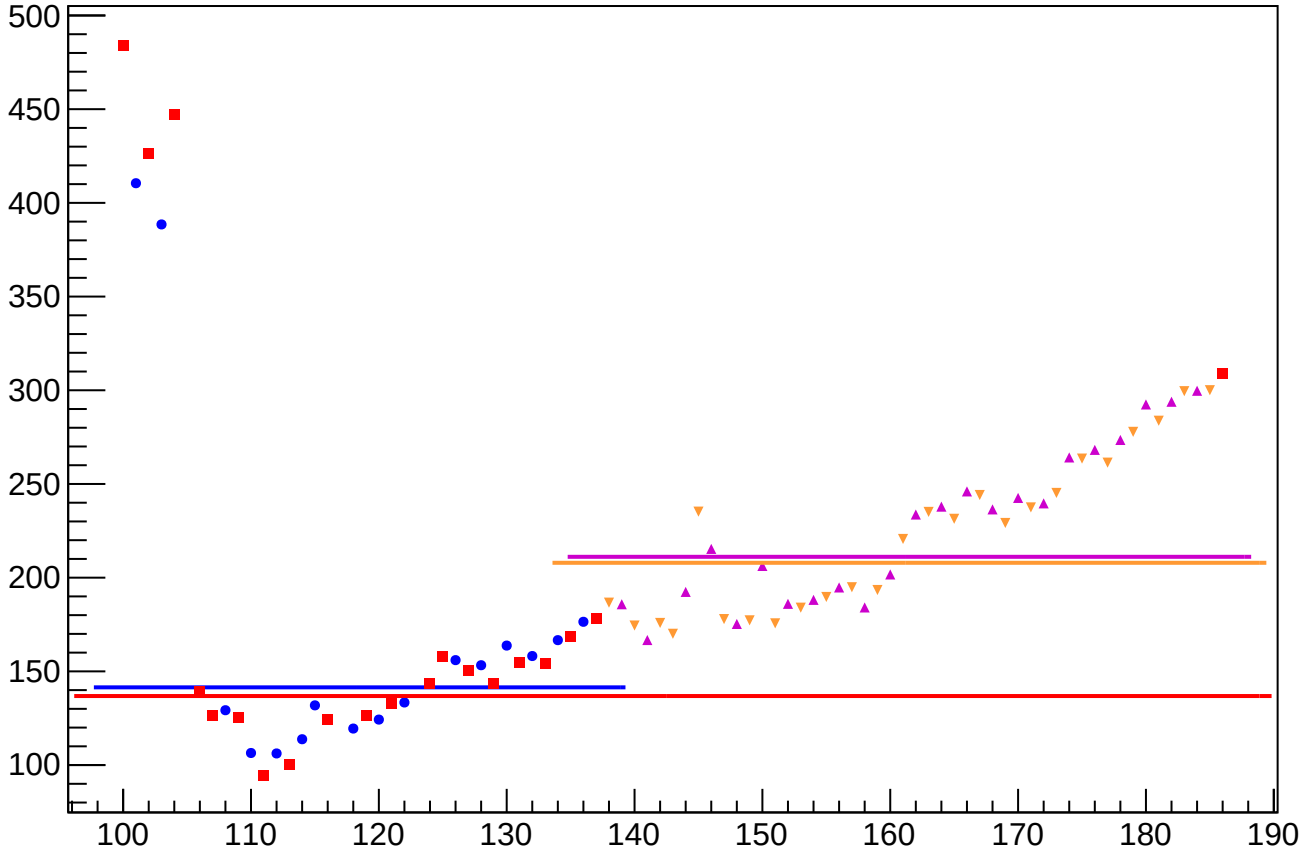
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 167119.658+/-0.037 χ^2/NDF: 11976029292

All: 166616.213+/-0.026 χ^2/NDF: 23905168

- sign 166121.566+/-0.036 χ^2/NDF: 11891948520

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 136.836+/-0.037 χ^2/NDF: 1837425.9/19

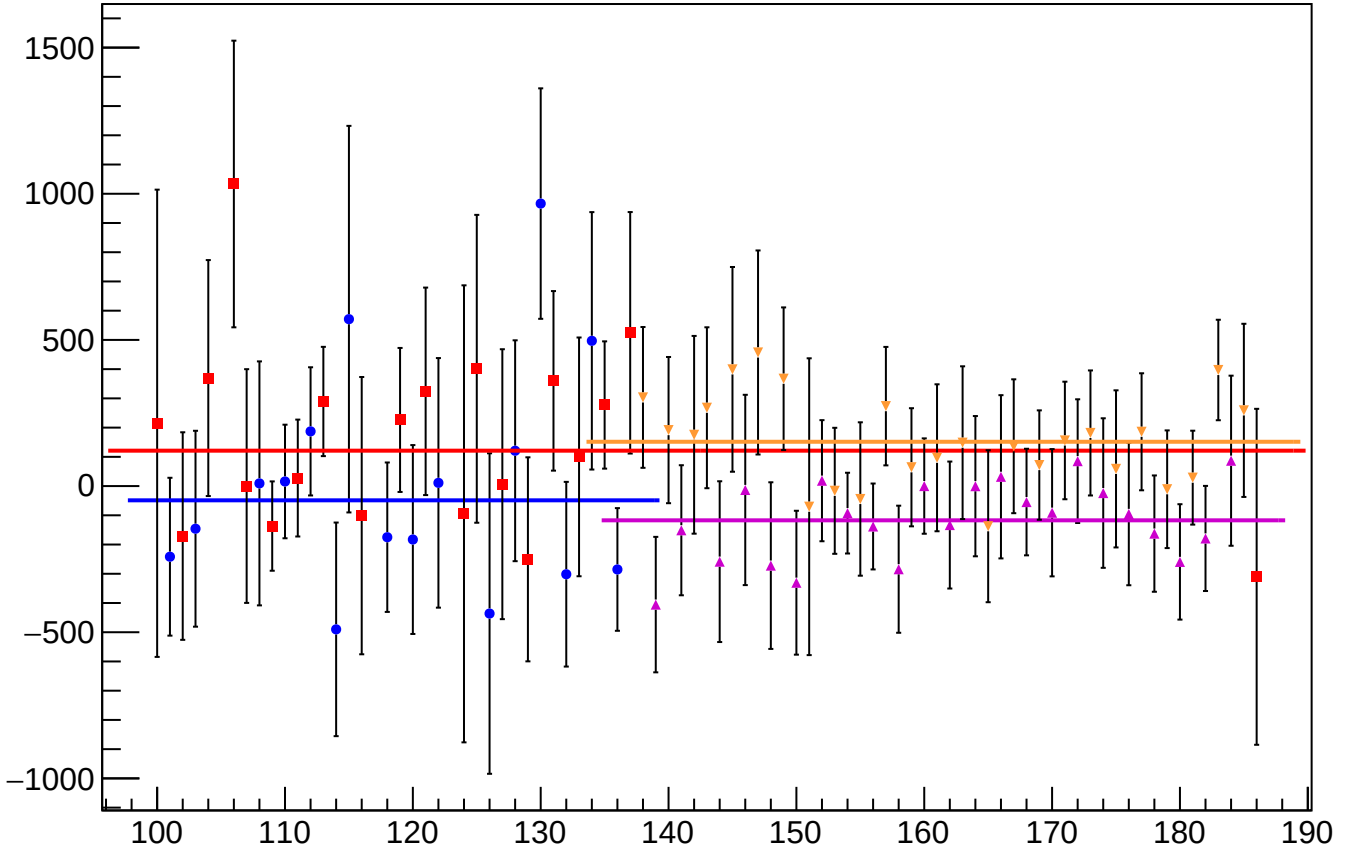
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 180.117+/-0.026 χ^2/NDF: 4115735.3/40

All: 177.921+/-0.018 χ^2/NDF: 9035366.4/83

- sign 175.764+/-0.026 χ^2/NDF: 4905486.2/42

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 121.116+/-68.024 χ^2/NDF: 13.4/19

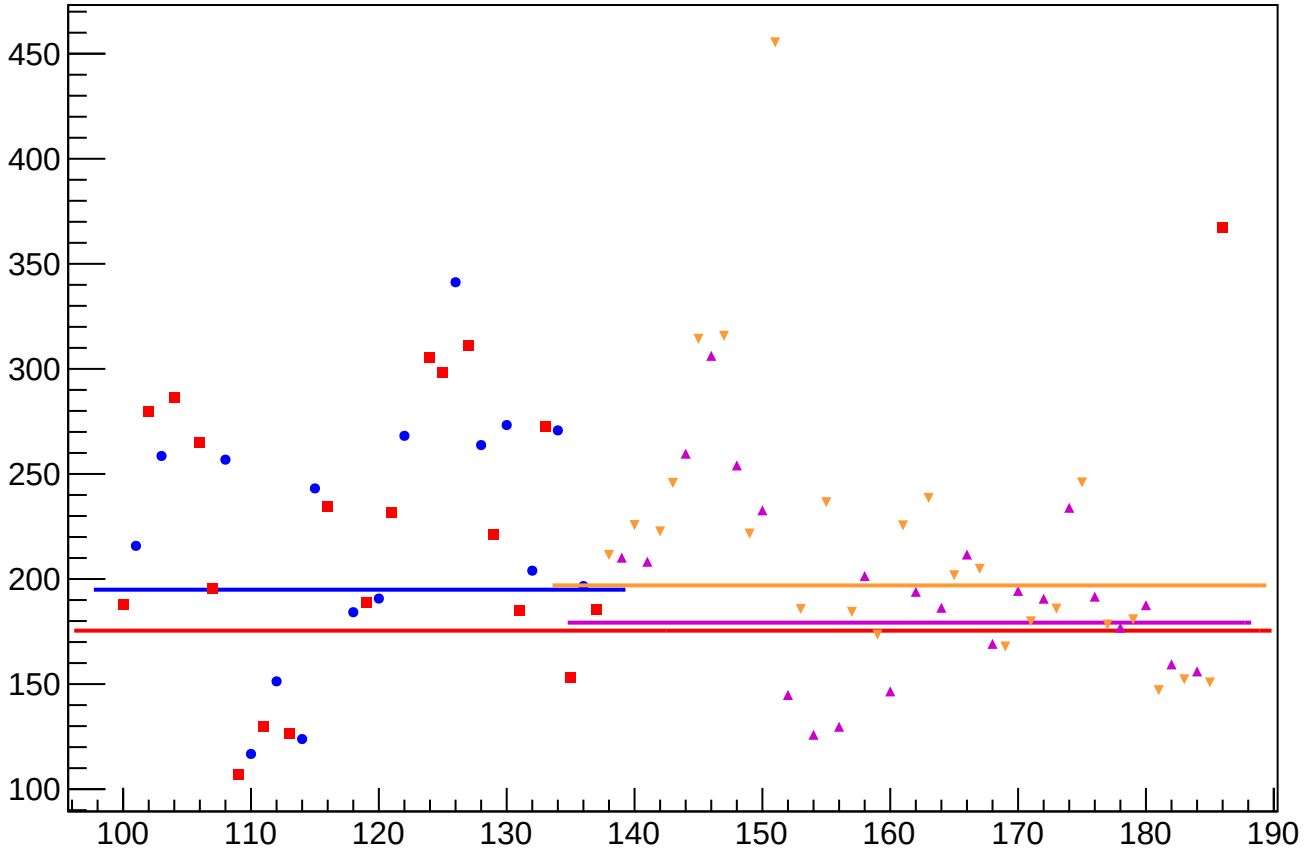
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 97.778+/-39.697 χ^2/NDF: 30.0/40

All: 19.736+/-26.993 χ^2/NDF: 66.8/83

- sign -47.377+/-36.813 χ^2/NDF: 29.6/42

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 175.433+/-0.048 χ^2/NDF: 1857852.9/19

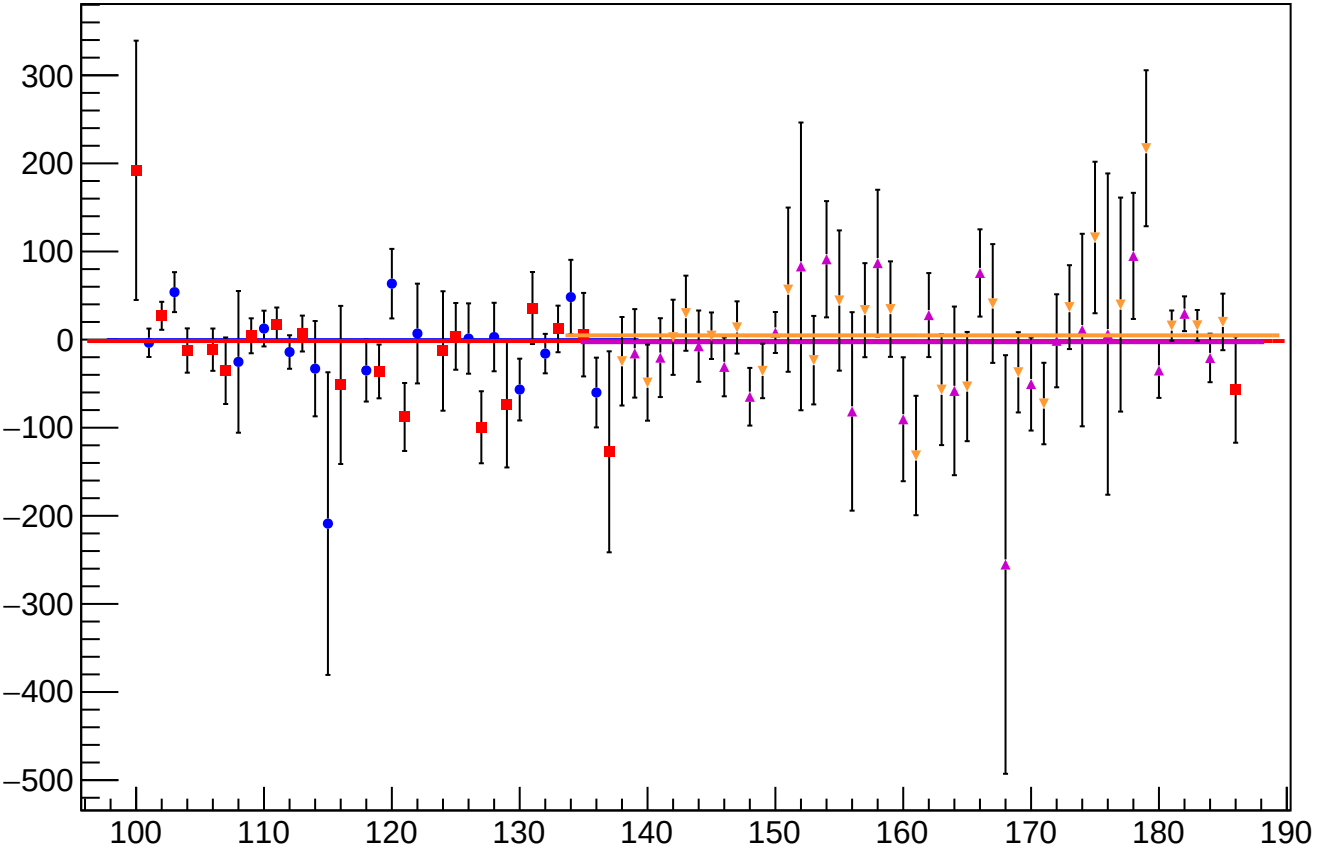
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 196.424+/-0.028 χ^2/NDF: 2839259.2/40

All: 186.592+/-0.019 χ^2/NDF: 6585800.3/83

- sign 178.136+/-0.026 χ^2/NDF: 3518343.3/42

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -1.629+/-6.725 χ^2/NDF: 23.9/19

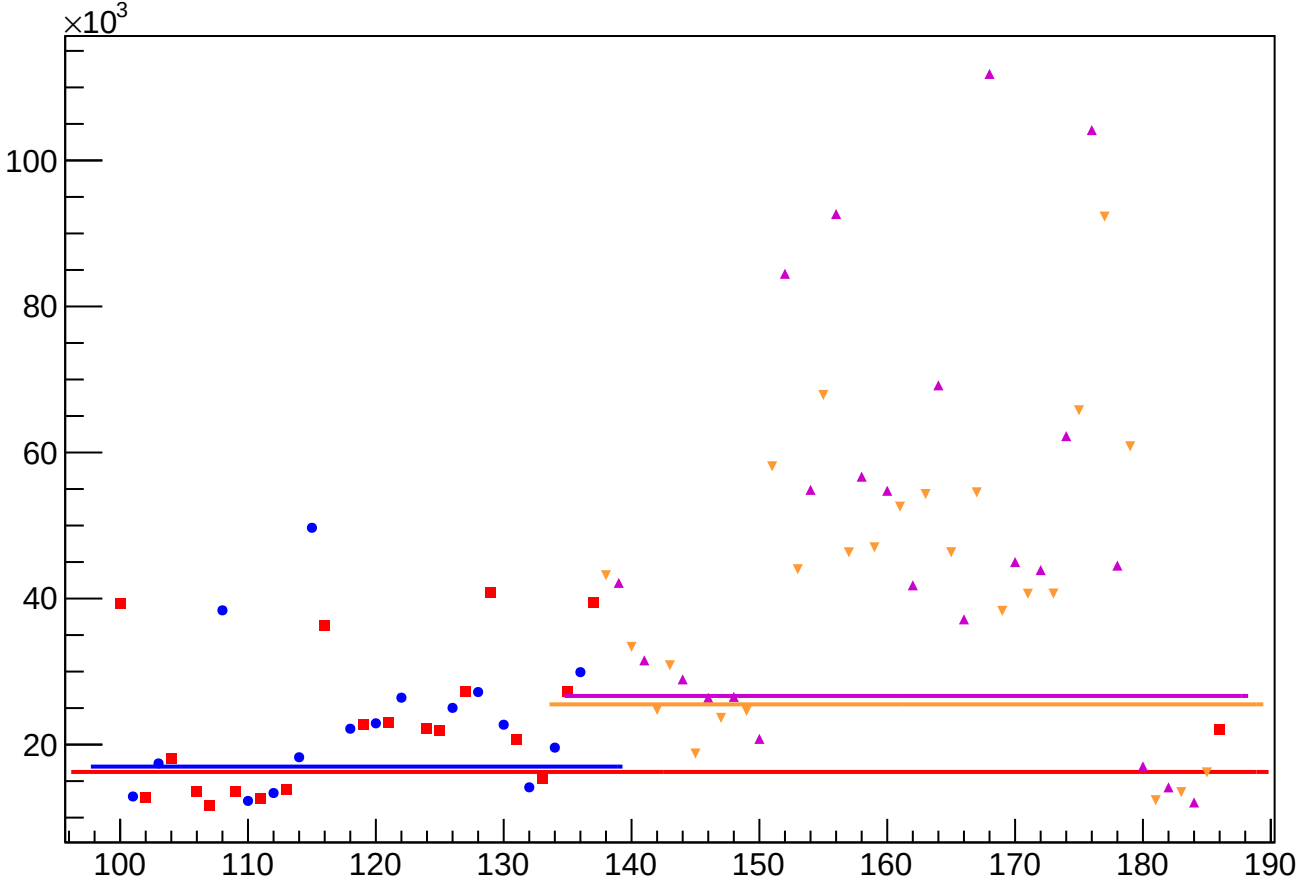
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 1.995+/-5.280 χ^2/NDF: 43.5/40

All: -0.026+/-3.759 χ^2/NDF: 89.2/83

- sign -2.102+/-5.352 χ^2/NDF: 45.4/42

asym_bcm_an_diff_rms vs Slug



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 16254.299+/-4.755 χ^2/NDF: 1269929.4/19

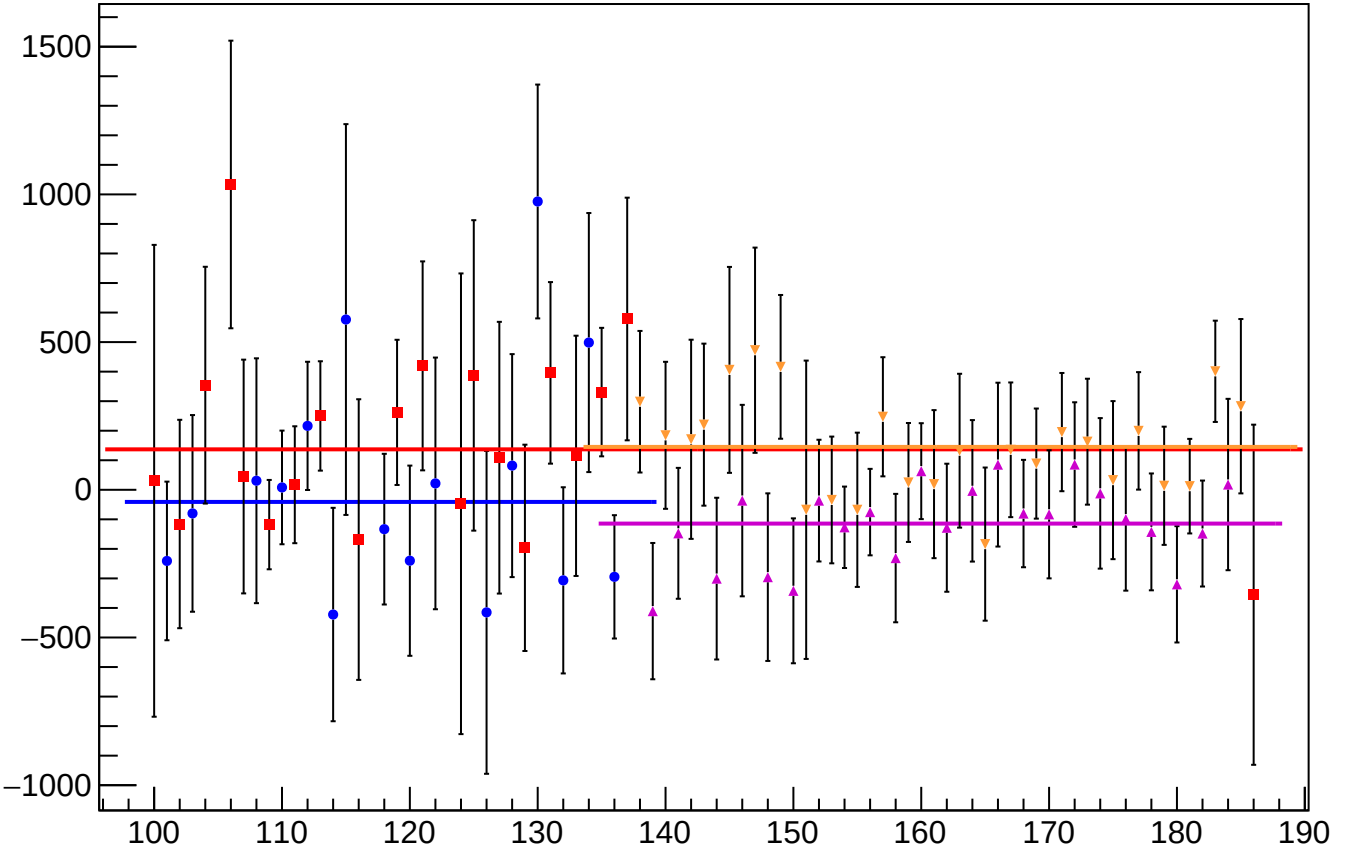
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21100.764+/-3.734 χ^2/NDF: 10238843.1/40

All: 20591.856+/-2.658 χ^2/NDF: 19185211.2

- sign 20068.949+/-3.785 χ^2/NDF: 8908699.4/42

asym_bcm_an_ds_mean vs Slug



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 136.939+/-67.609 χ^2/NDF: 13.8/19

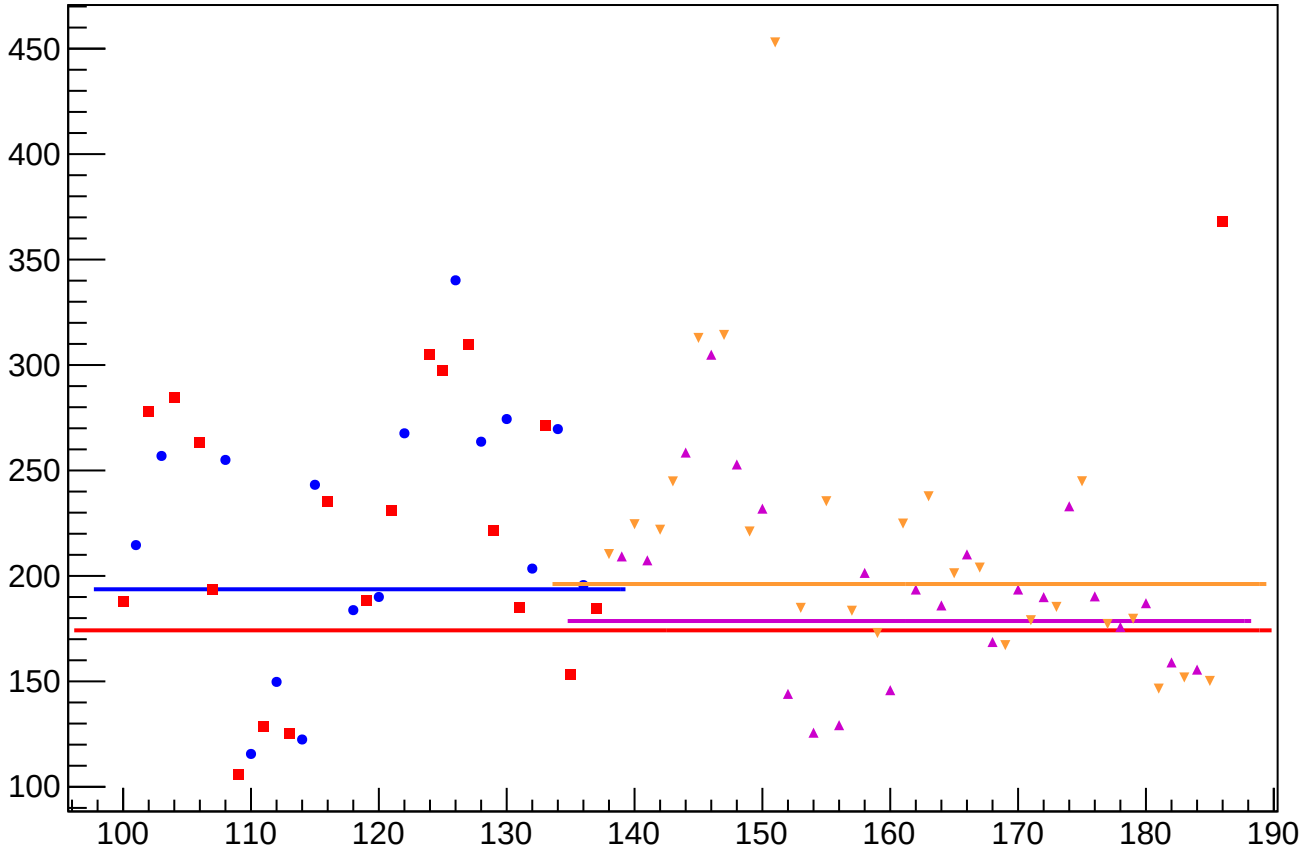
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 95.036+/-39.516 χ^2/NDF: 31.0/40

All: 22.165+/-26.873 χ^2/NDF: 69.3/83

- sign -40.530+/-36.653 χ^2/NDF: 31.9/42

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 174.196+/-0.048 χ^2/NDF: 1883204.5/19

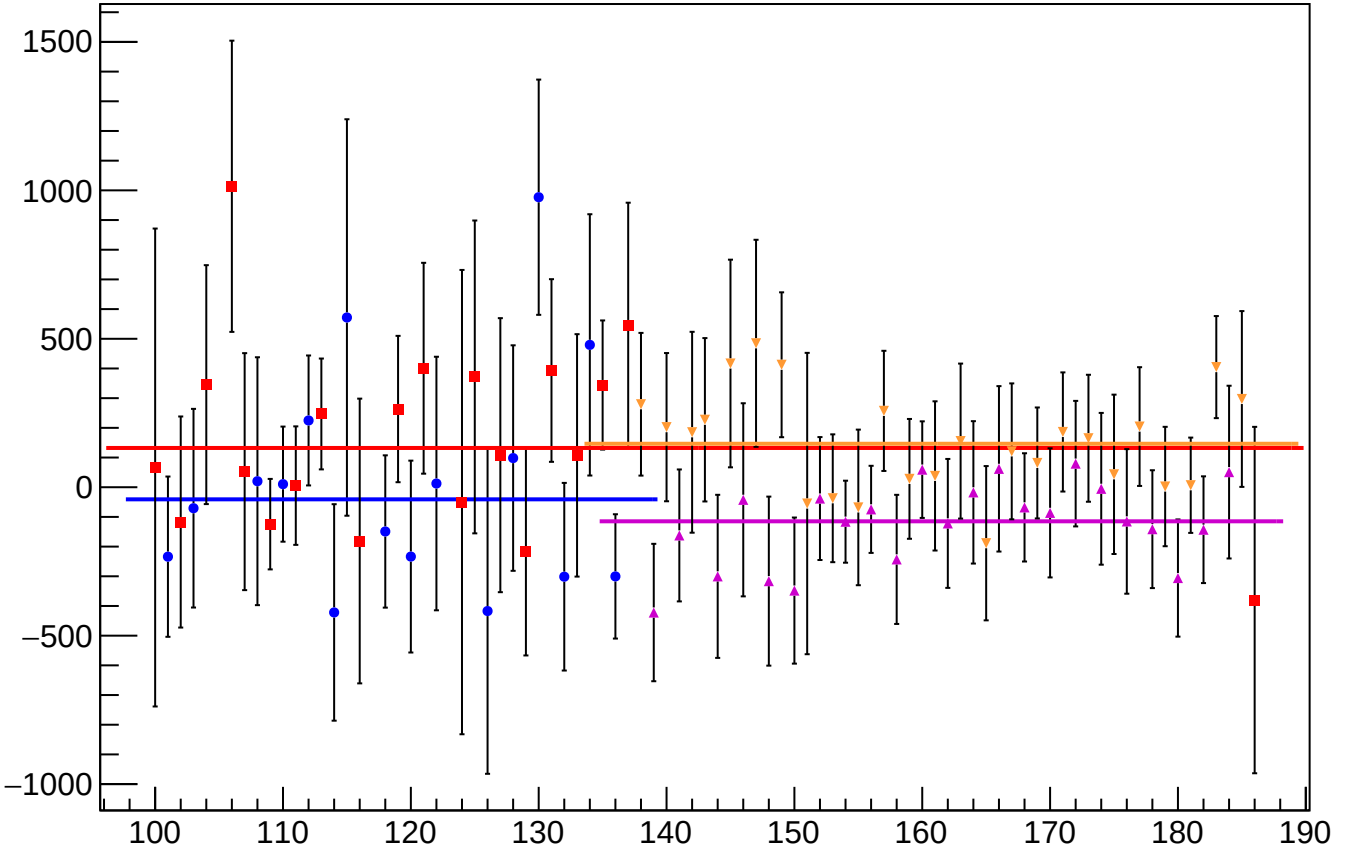
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 195.494+/-0.028 χ^2/NDF: 2858212.5/40

All: 185.725+/-0.019 χ^2/NDF: 6626726.5/83

- sign 177.320+/-0.026 χ^2/NDF: 3541126.6/42

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 132.238+/-67.993 χ^2/NDF: 13.7/19

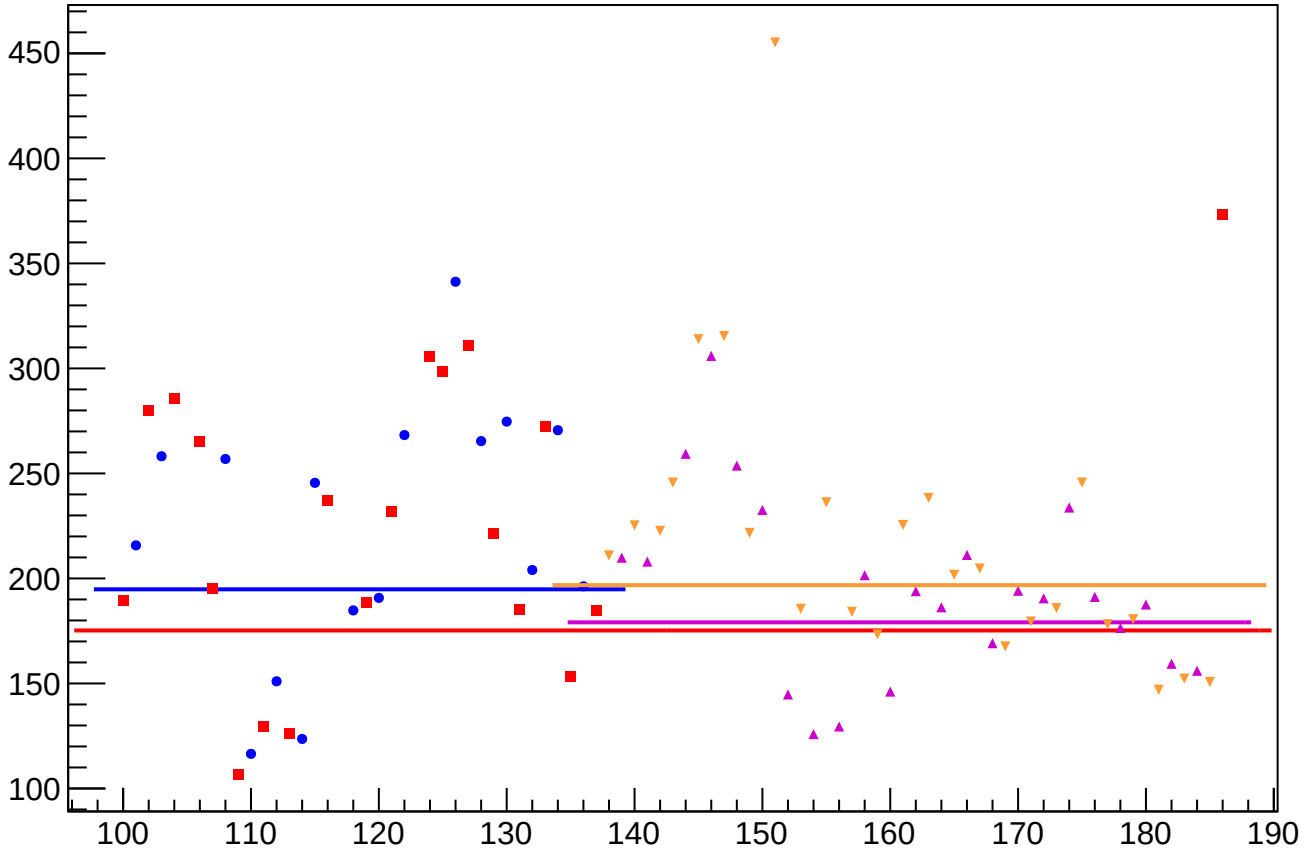
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 96.177+/-39.671 χ^2/NDF: 31.2/40

All: 21.617+/-26.974 χ^2/NDF: 69.2/83

- sign -42.495+/-36.786 χ^2/NDF: 31.4/42

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

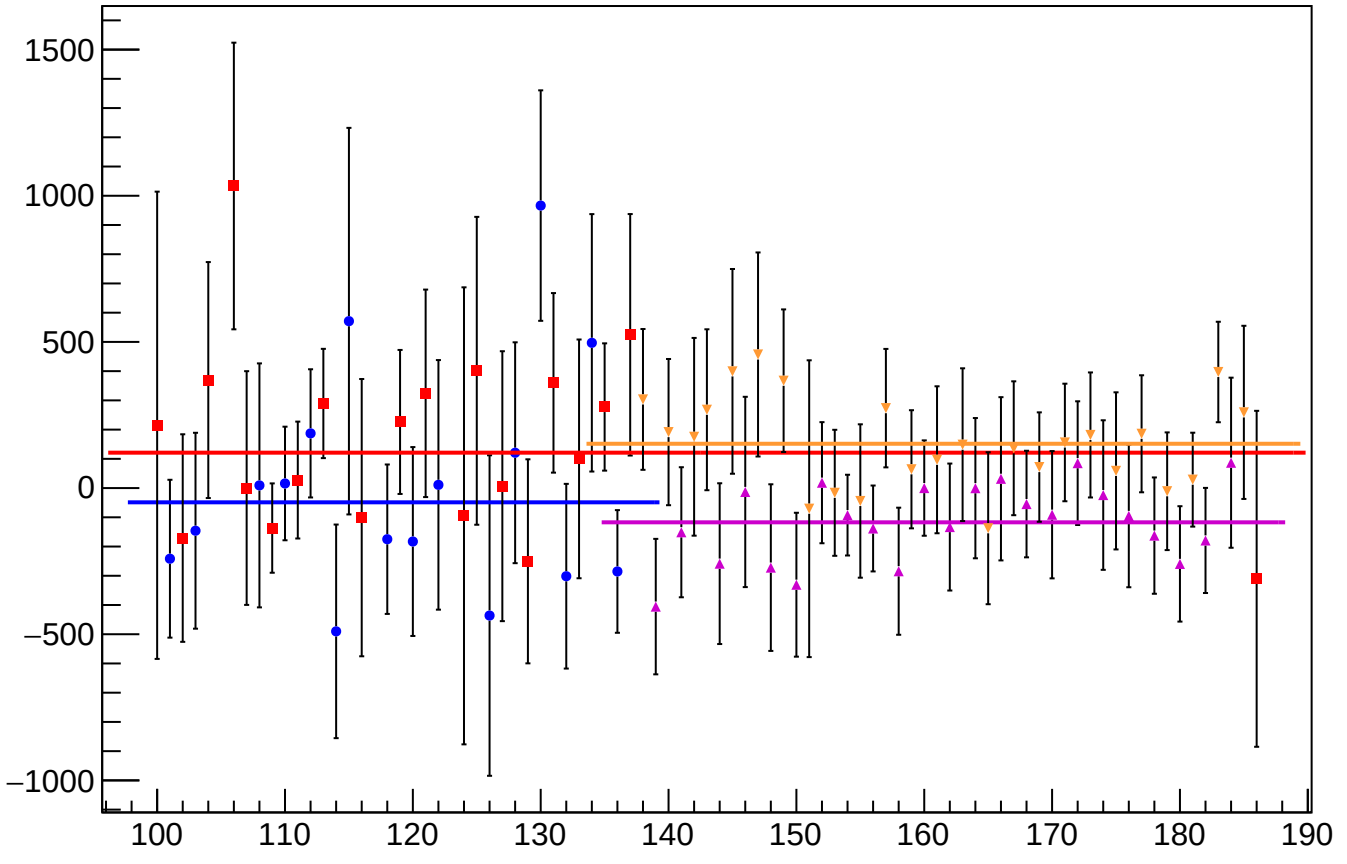
Right Out: 175.230+/-0.048 χ^2/NDF: 1875146.5/19

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 196.272+/-0.028 χ^2/NDF: 2848689.4/40

All: 186.431+/-0.019 χ^2/NDF: 6613230.2/83

- sign 177.968+/-0.026 χ^2/NDF: 3535596.3/42



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 121.116+/-68.024 χ^2/NDF: 13.4/19

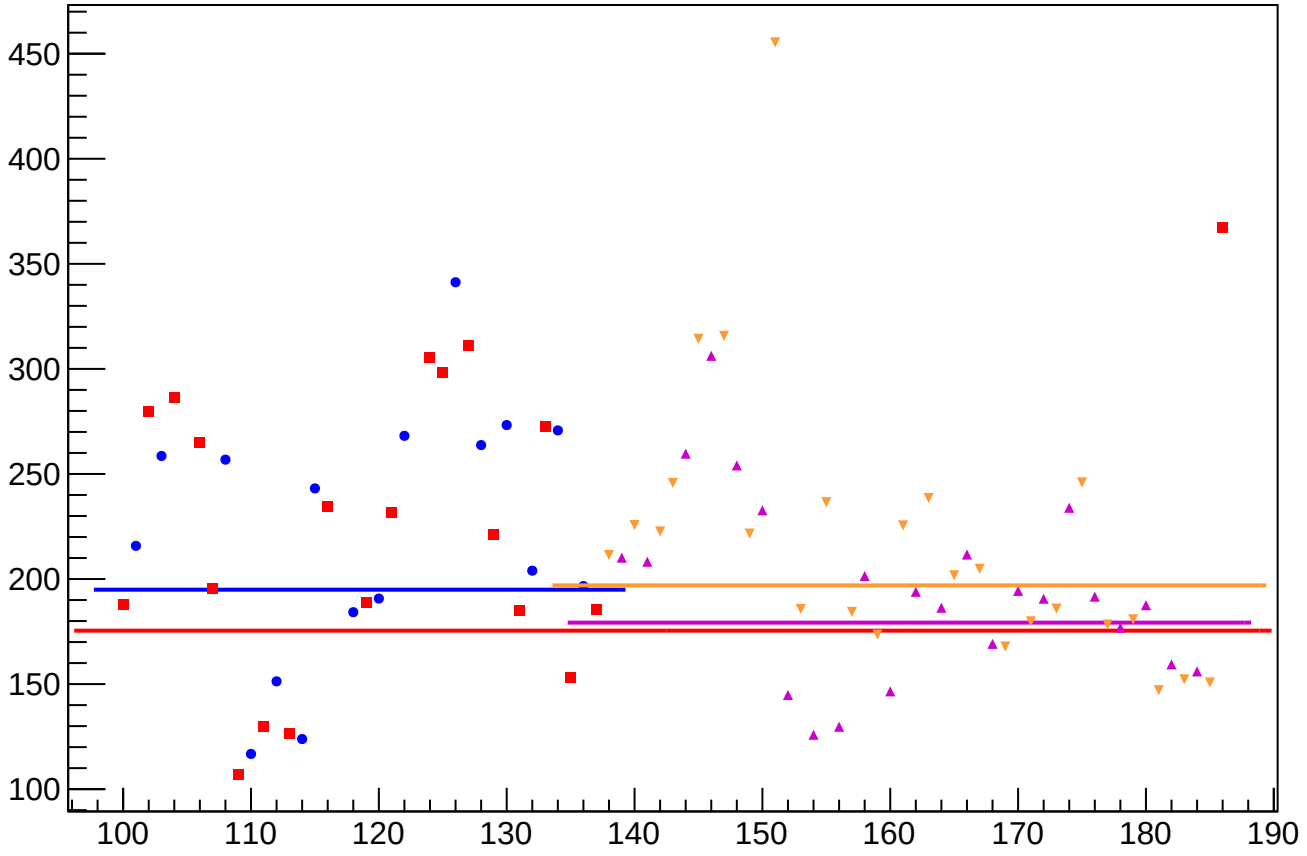
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 97.778+/-39.697 χ^2/NDF: 30.0/40

All: 19.736+/-26.993 χ^2/NDF: 66.8/83

- sign -47.377+/-36.813 χ^2/NDF: 29.6/42

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 175.433+/-0.048 χ^2/NDF: 1857852.9/19

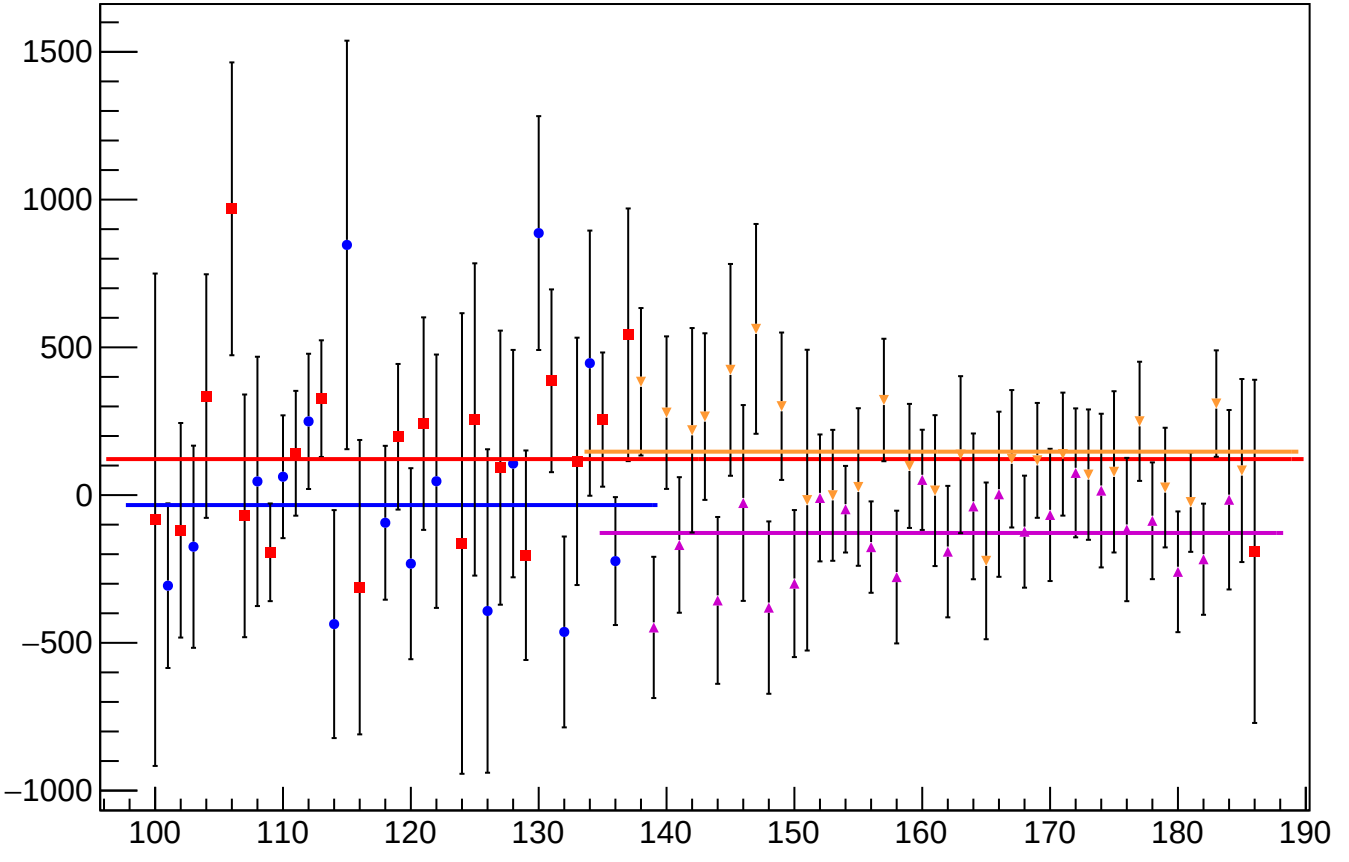
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 196.424+/-0.028 χ^2/NDF: 2839259.2/40

All: 186.592+/-0.019 χ^2/NDF: 6585800.3/83

- sign 178.136+/-0.026 χ^2/NDF: 3518343.3/42

asym_bcm_dg_us_mean vs Slug



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 121.854+/-70.777 χ^2/NDF: 13.0/19

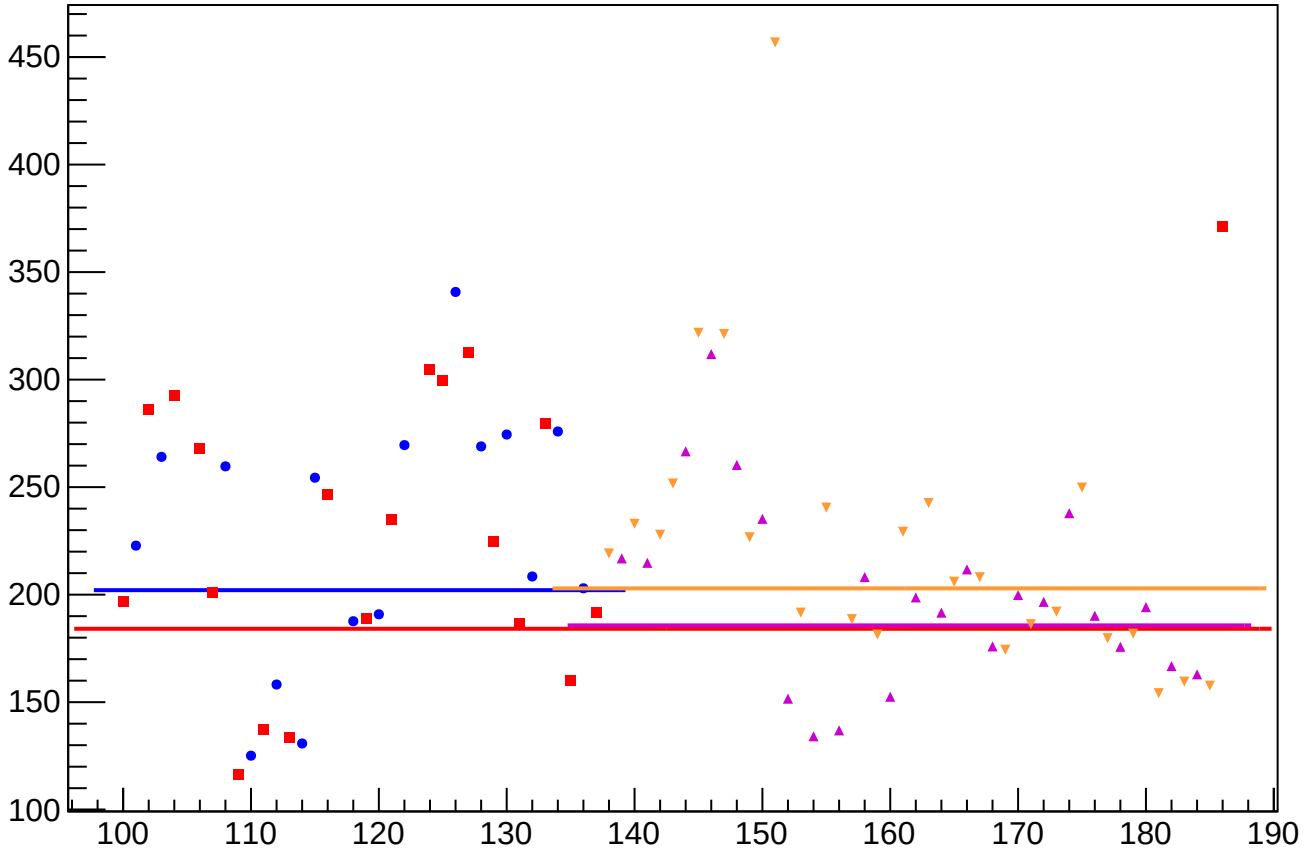
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 98.677+/-40.839 χ^2/NDF: 29.8/40

All: 16.110+/-27.857 χ^2/NDF: 67.8/83

- sign -55.733+/-38.095 χ^2/NDF: 30.4/42

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 184.136+/-0.050 χ^2/NDF: 1652043.2/19

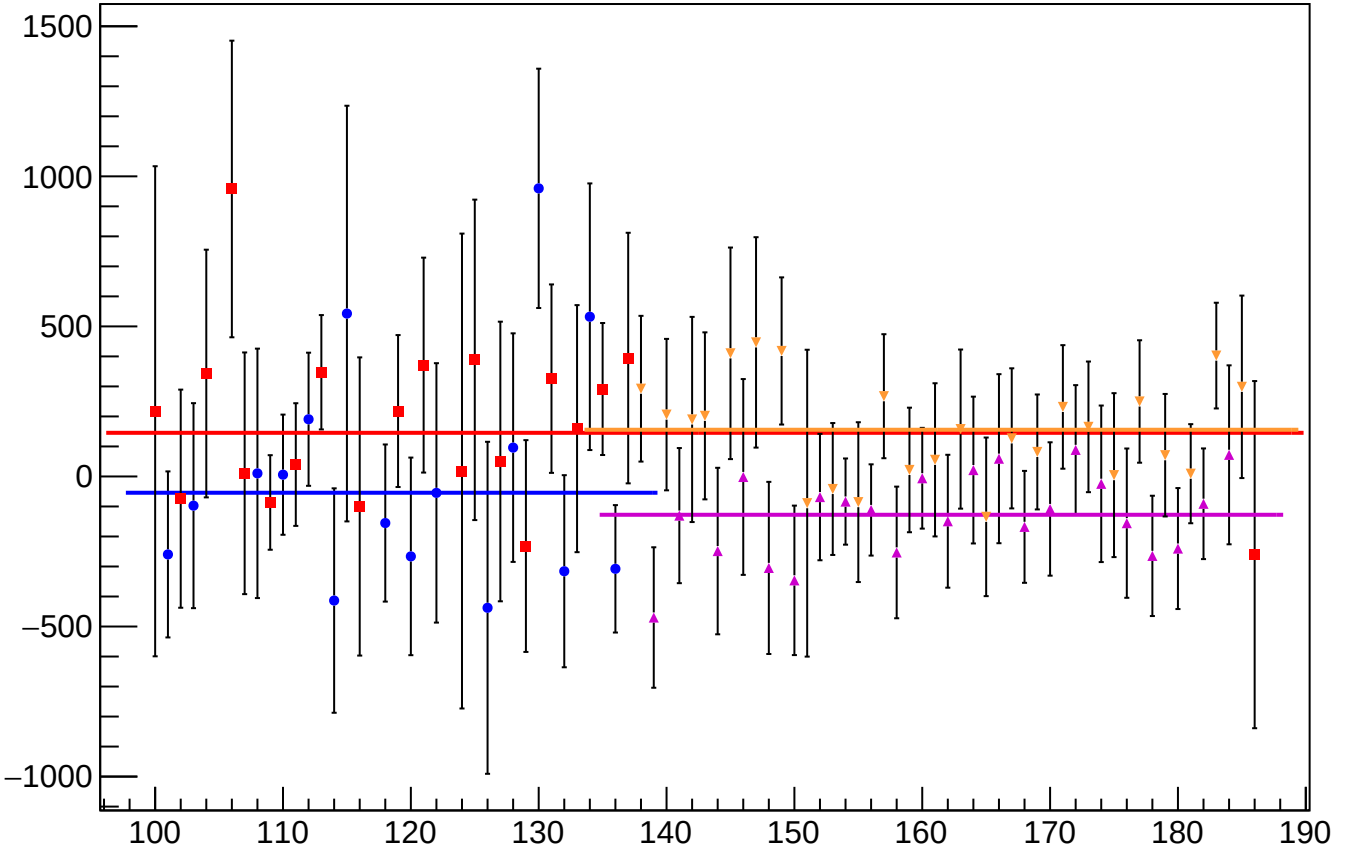
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 202.698+/-0.029 χ^2/NDF: 2610536.3/40

All: 193.373+/-0.020 χ^2/NDF: 5947813.9/83

- sign 185.258+/-0.027 χ^2/NDF: 3142238.5/42

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 145.429+/-69.397 χ^2/NDF: 10.7/19

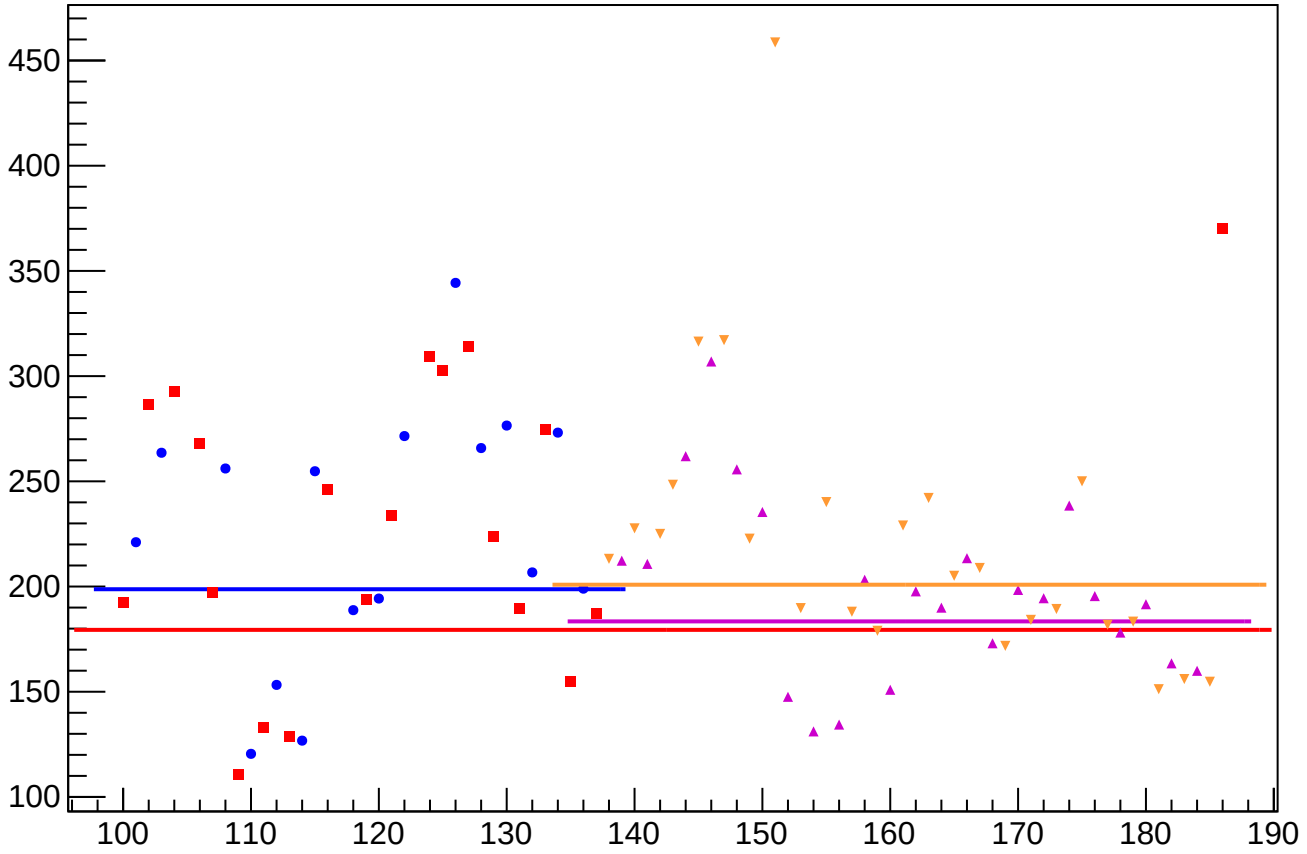
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 99.218+/-40.414 χ^2/NDF: 31.0/40

All: 20.484+/-27.520 χ^2/NDF: 67.8/83

- sign -47.586+/-37.578 χ^2/NDF: 29.7/42

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 179.407+/-0.049 χ^2/NDF: 1816382.0/19

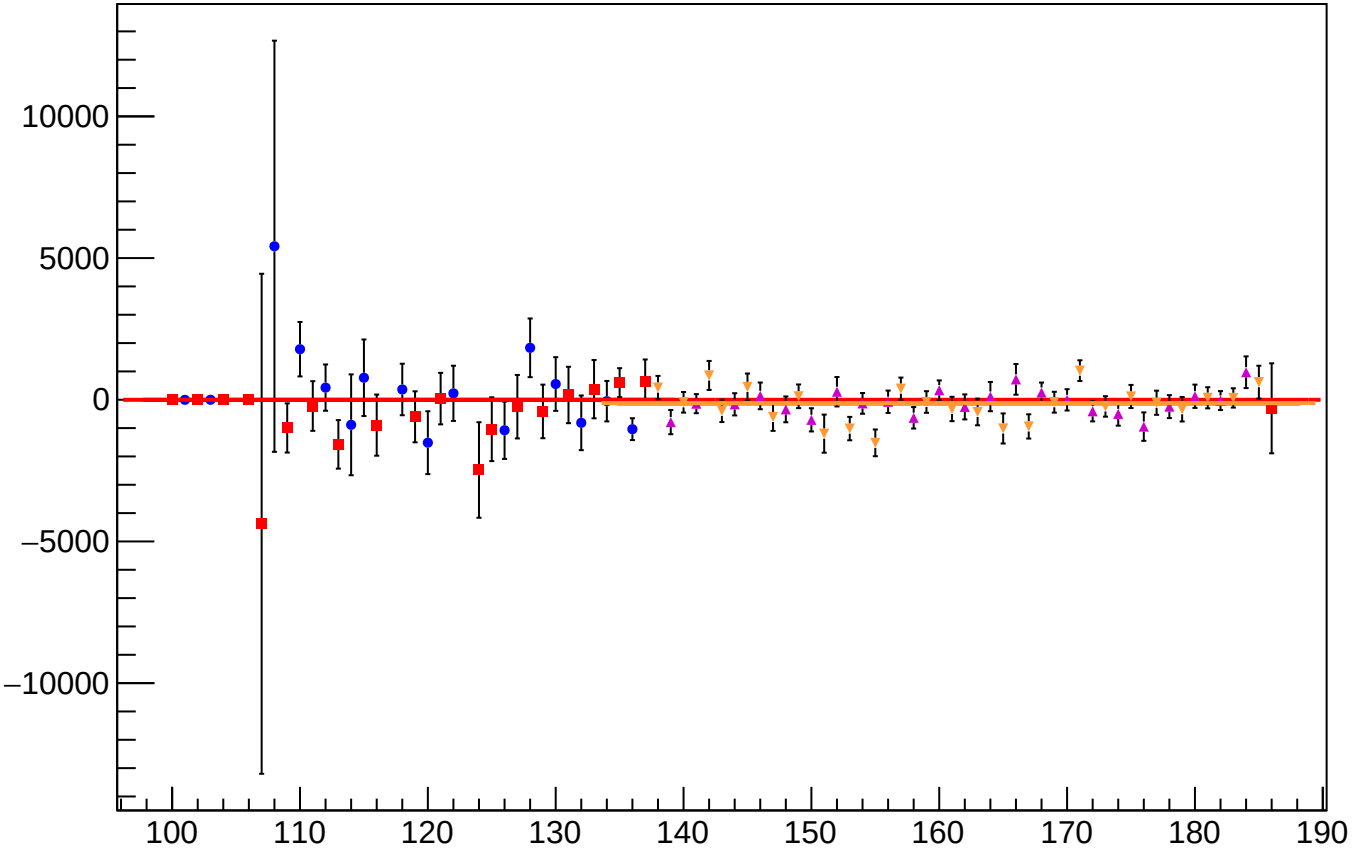
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 200.288+/-0.029 χ^2/NDF: 2722581.9/40

All: 190.615+/-0.019 χ^2/NDF: 6288004.8/83

- sign 182.253+/-0.027 χ^2/NDF: 3351818.2/42

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.378+/-2.022 χ^2/NDF: 16.9/19

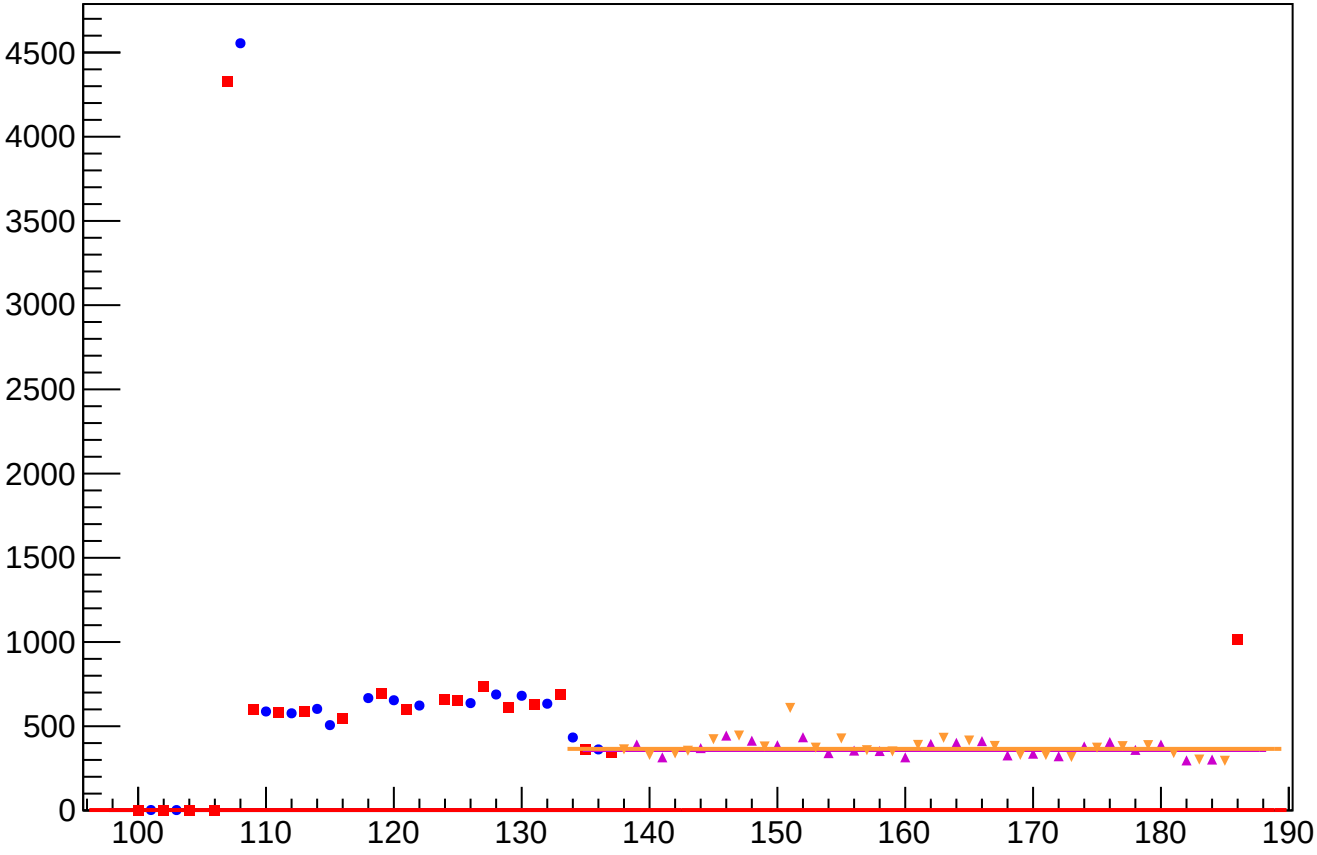
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.316+/-2.170 χ^2/NDF: 68.2/40

All: -1.388+/-1.479 χ^2/NDF: 109.0/83

- sign -1.450+/-2.022 χ^2/NDF: 40.8/42

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.464+/-0.001 χ^2/NDF: 12354568.2/19

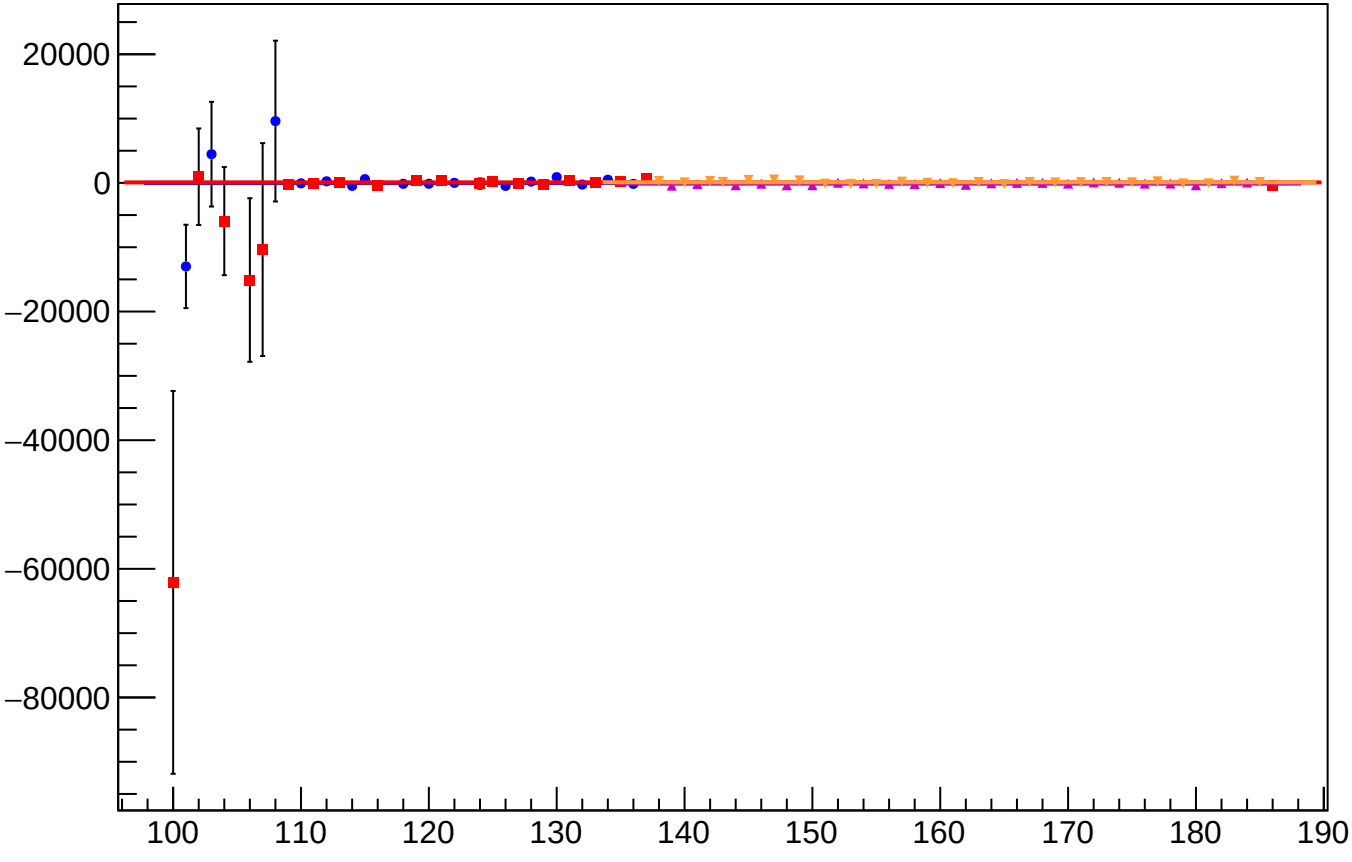
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.718+/-0.002 χ^2/NDF: 49461127.5/40

All: 2.690+/-0.001 χ^2/NDF: 97374113.5/83

- sign 2.665+/-0.001 χ^2/NDF: 47912355.1/42

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 79.945+/-80.809 χ^2/NDF: 15.4/19

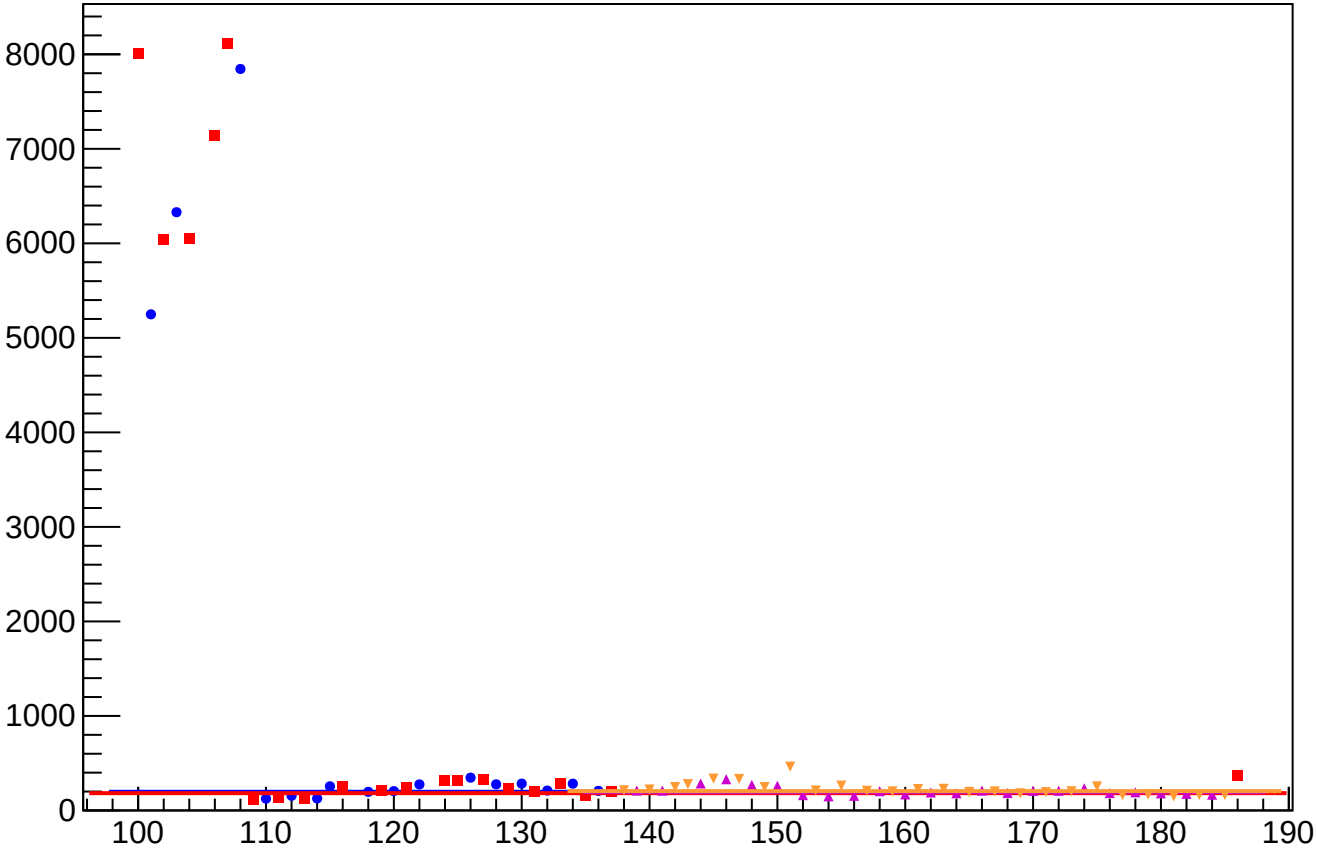
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign 76.641+/-42.288 χ^2/NDF: 30.6/40

All: 0.836+/-29.287 χ^2/NDF: 66.0/83

- sign -69.039+/-40.600 χ^2/NDF: 29.2/42

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 182.973+/-0.057 χ^2/NDF: 4632825.1/19

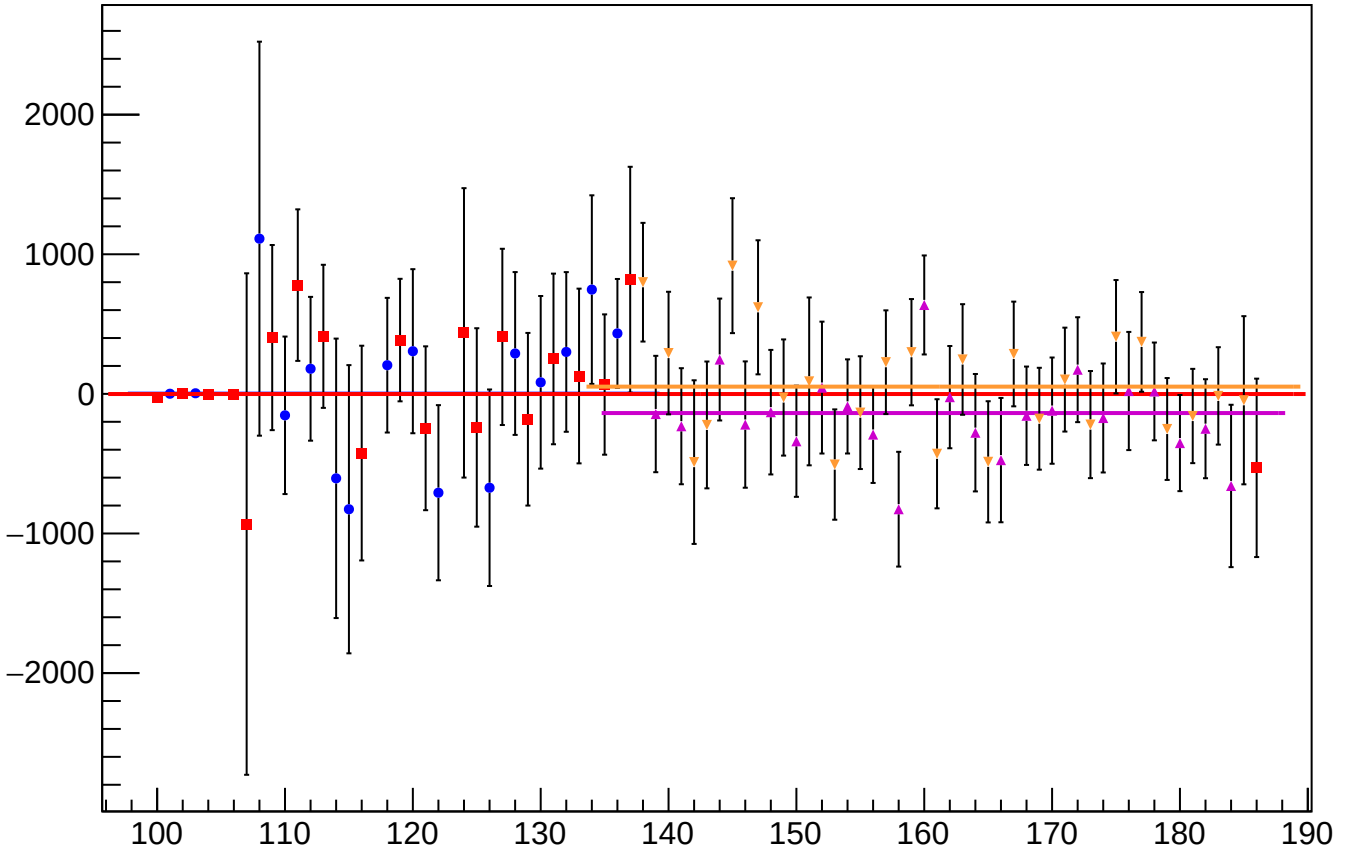
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 202.967+/-0.030 χ^2/NDF: 5941960.1/40

All: 196.812+/-0.021 χ^2/NDF: 11875117.3/83

- sign 191.138+/-0.029 χ^2/NDF: 5851728.0/42

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -1.097+/-1.528 χ^2/NDF: 9.8/19

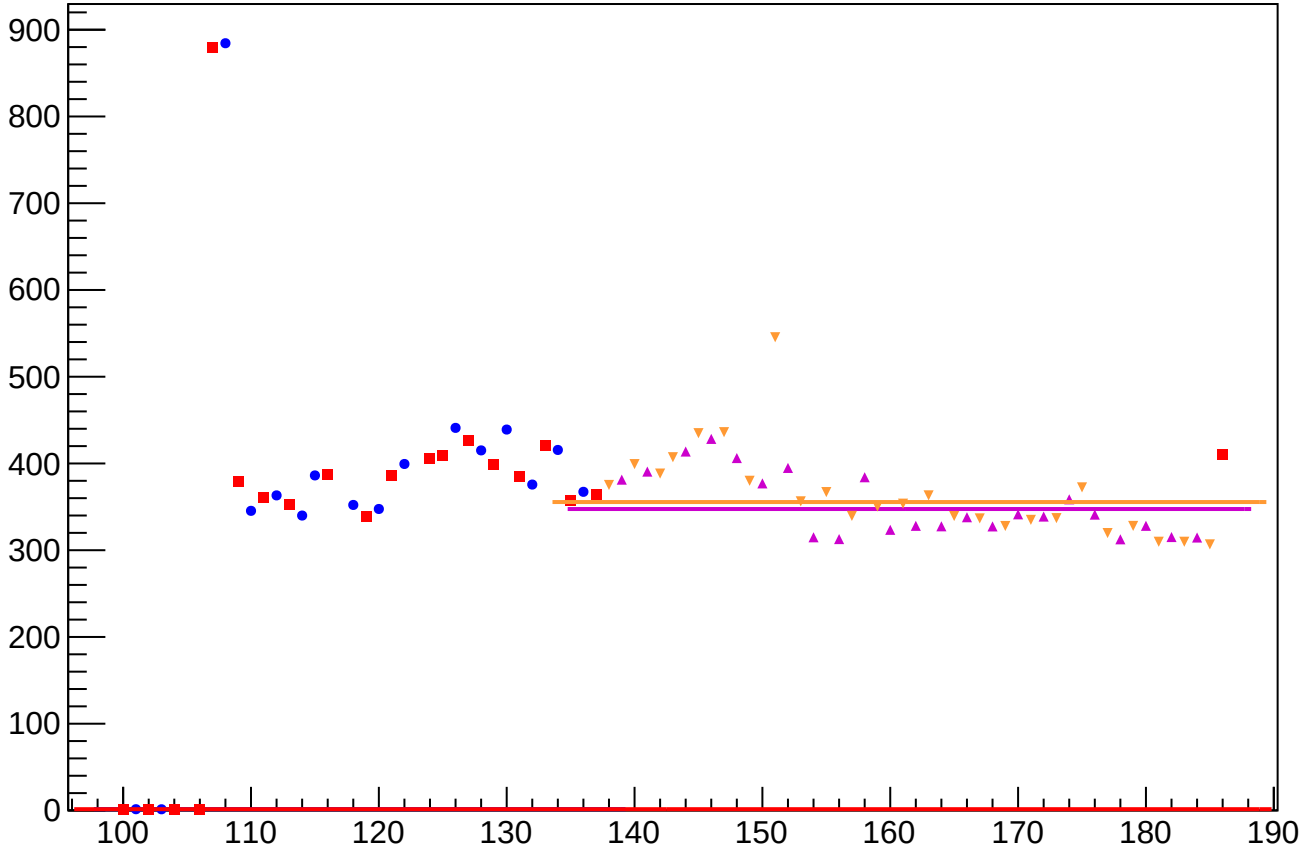
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.476+/-1.660 χ^2/NDF: 27.7/40

All: 0.058+/-1.124 χ^2/NDF: 53.8/83

- sign -1.144+/-1.528 χ^2/NDF: 24.8/42

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.469+/-0.001 χ^2/NDF: 12087170.6/19

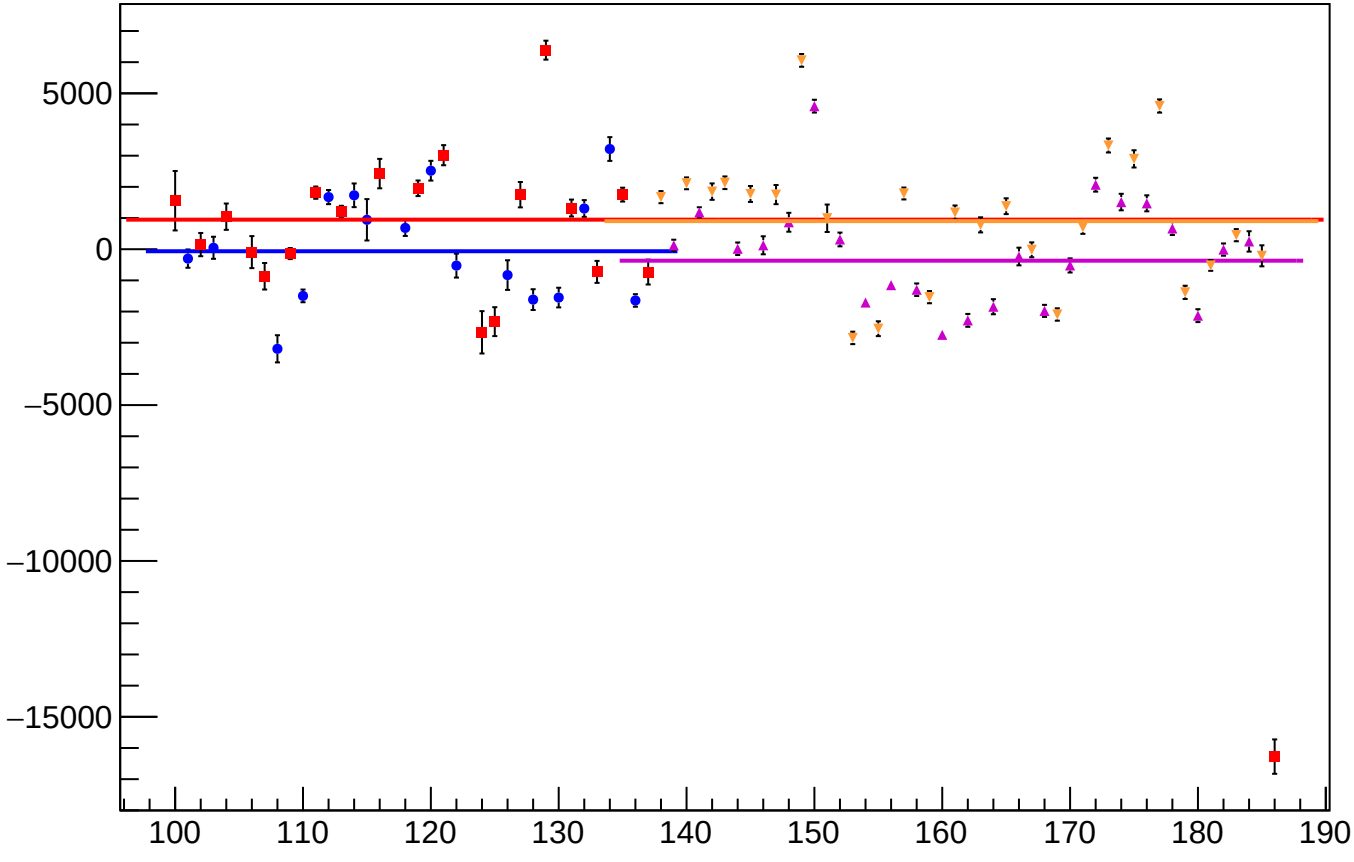
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.617+/-0.001 χ^2/NDF: 49944595.3/40

All: 1.602+/-0.001 χ^2/NDF: 97879704.7/83

- sign 1.589+/-0.001 χ^2/NDF: 47934809.6/42

asym_bcm0l02_mean vs Slug



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 948.187+/-68.488 χ^2/NDF: 1584.8/19

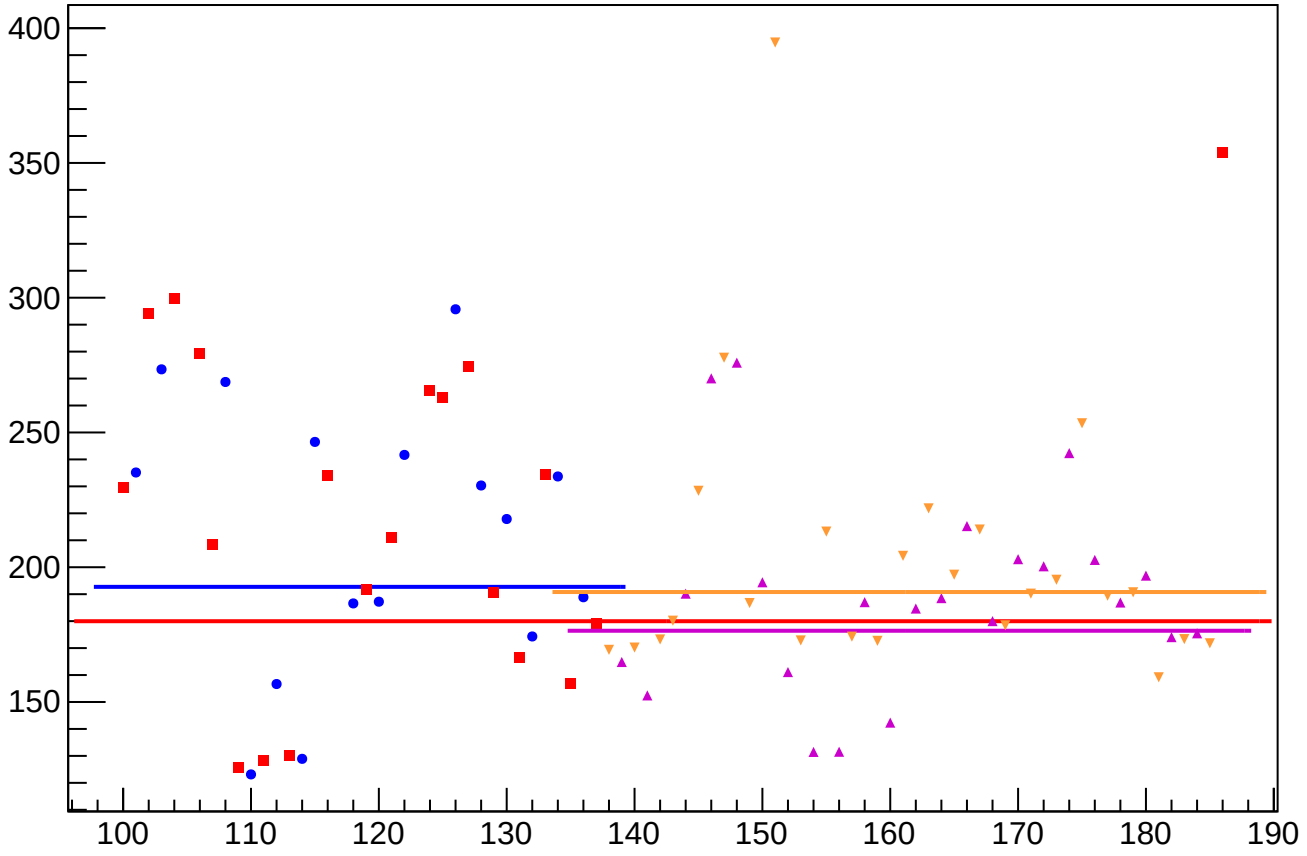
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 649.464+/-38.245 χ^2/NDF: 3003.5/40

All: 307.331+/-26.303 χ^2/NDF: 6599.3/83

- sign 0.222+/-36.234 χ^2/NDF: 3443.9/42

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 179.972+/-0.048 χ^2/NDF: 1427741.7/19

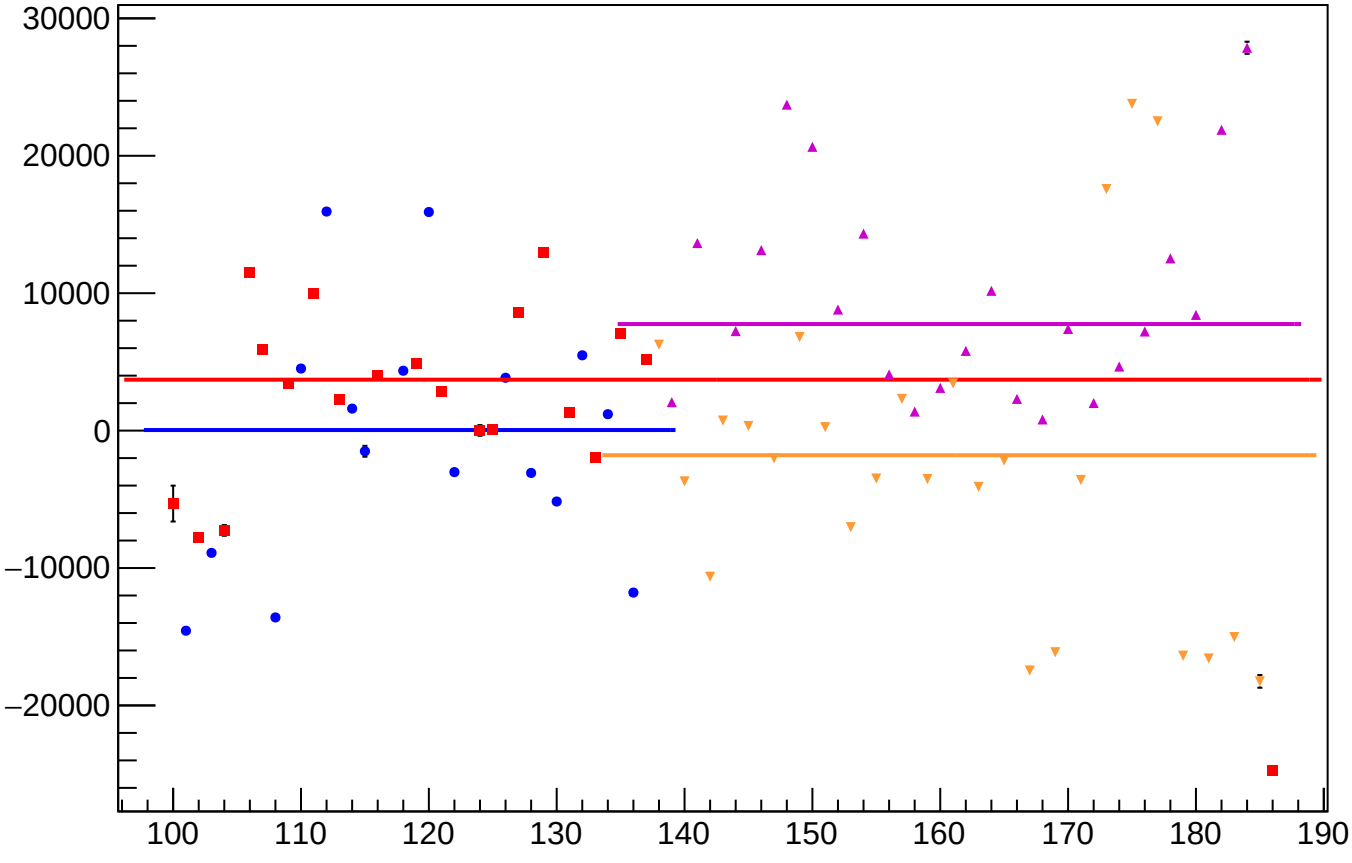
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 191.301+/-0.027 χ^2/NDF: 1779714.1/40

All: 183.987+/-0.019 χ^2/NDF: 4607764.6/83

- sign 177.422+/-0.026 χ^2/NDF: 2689251.1/42

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3705.891+/-51.218 χ^2/NDF: 18474.1/19

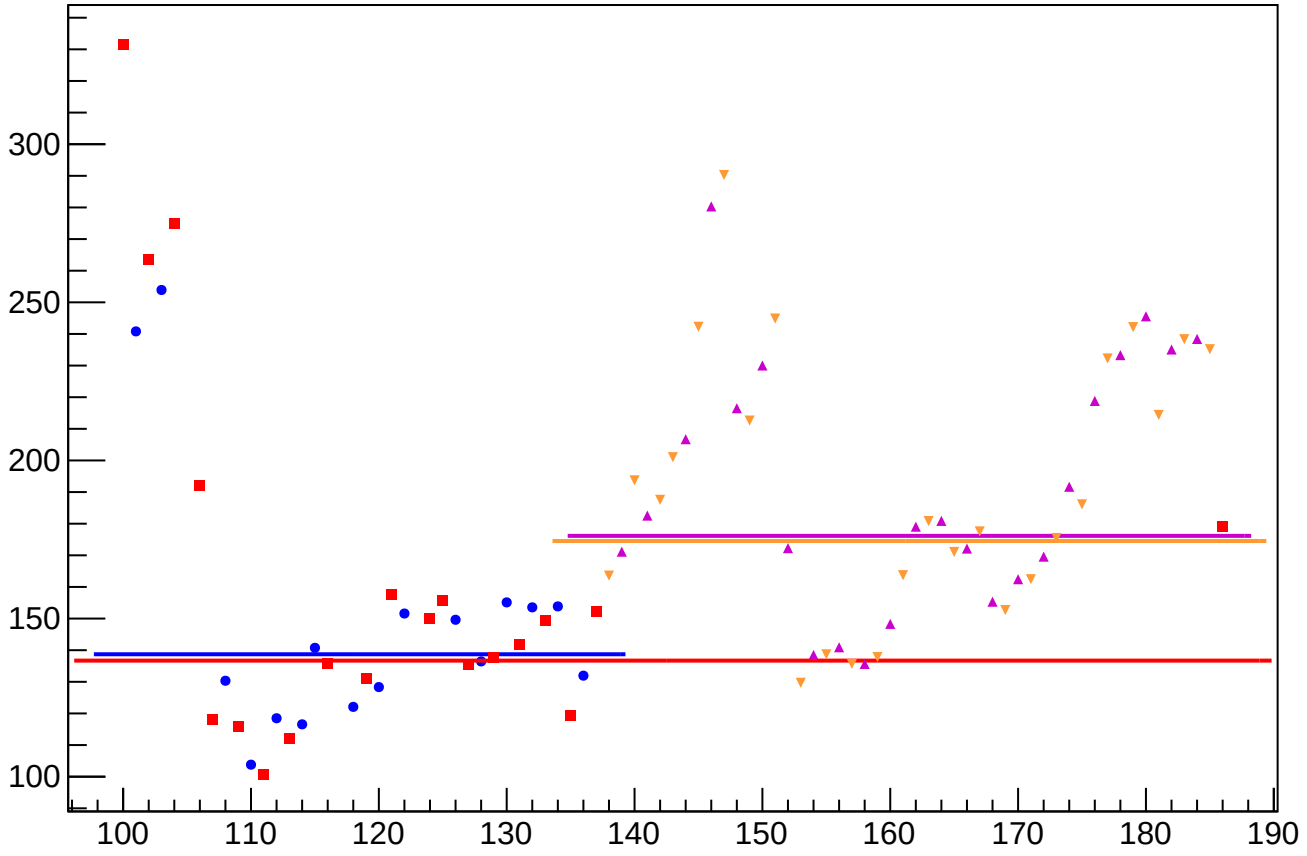
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign -1125.646+/-32.652 χ^2/NDF: 97259.4/40

All: 2477.779+/-23.119 χ^2/NDF: 167128.8/83

- sign 6100.281+/-32.739 χ^2/NDF: 45447.5/42

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 136.705+/-0.036 χ^2/NDF: 937076.9/19

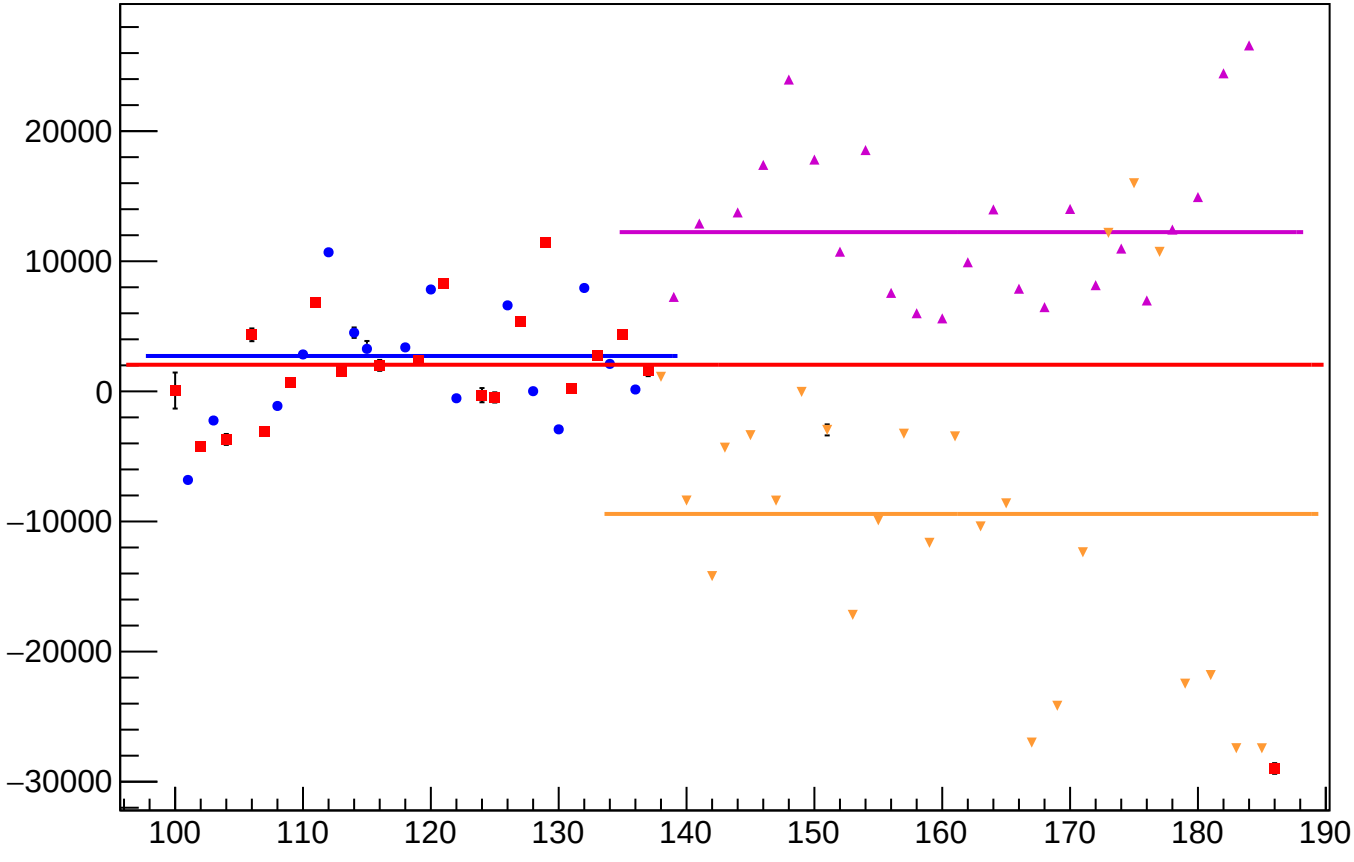
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 161.524+/-0.023 χ^2/NDF: 2873416.1/40

All: 160.782+/-0.016 χ^2/NDF: 5881329.3/83

- sign 160.036+/-0.023 χ^2/NDF: 3005843.6/42

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 2045.788+/-64.052 χ^2/NDF: 8946.0/19

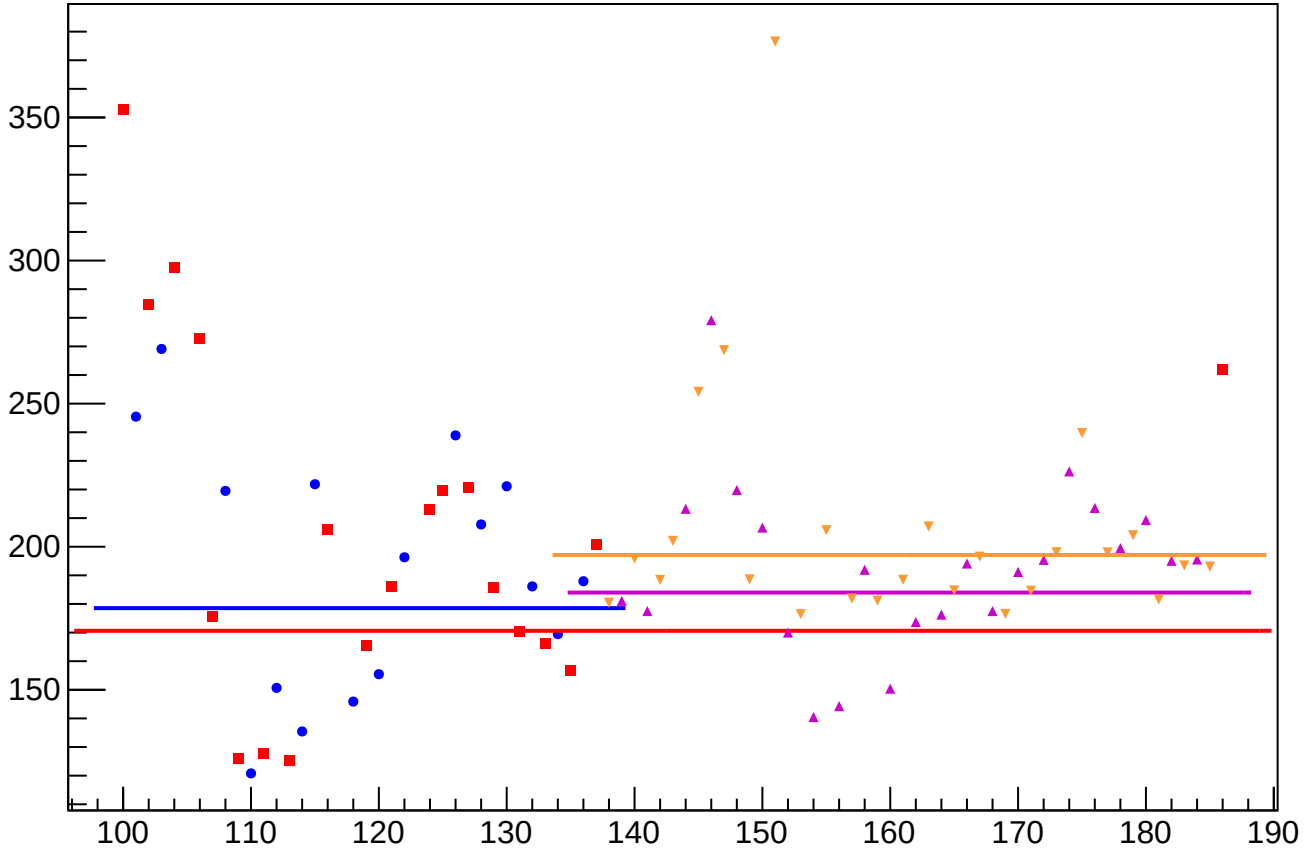
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

\+ sign -5737.117+/-38.141 χ^2/NDF: 90259.3/40

All: 1954.710+/-26.324 χ^2/NDF: 210039.8/83

\- sign 8951.170+/-36.376 χ^2/NDF: 42117.8/42

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 170.626+/-0.045 χ^2/NDF: 1081569.4/19

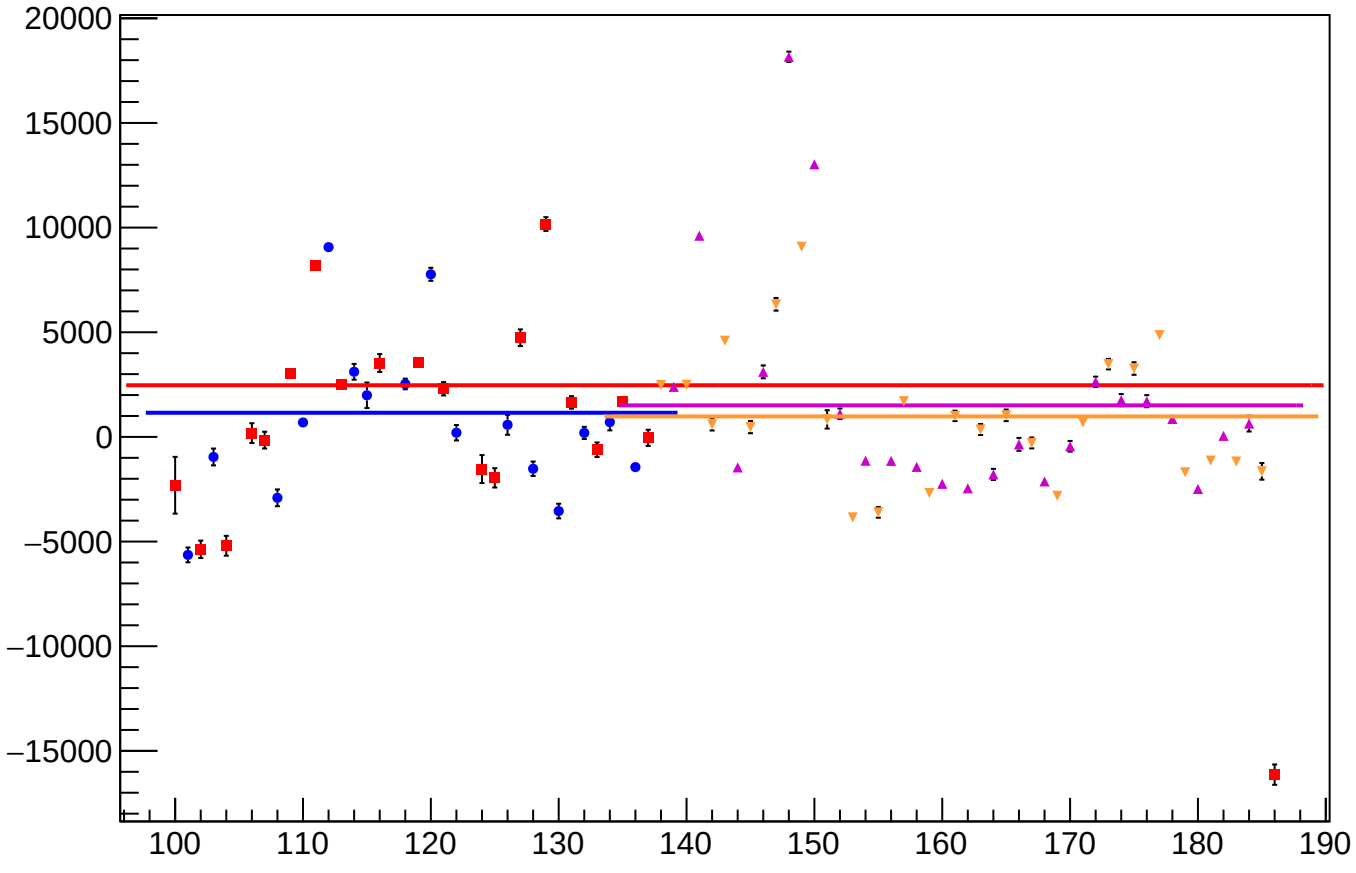
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.485+/-0.027 χ^2/NDF: 1507413.8/40

All: 185.301+/-0.019 χ^2/NDF: 3578094.7/83

- sign 179.677+/-0.026 χ^2/NDF: 1970290.5/42

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 2467.471+/-68.450 χ^2/NDF: 3947.7/19

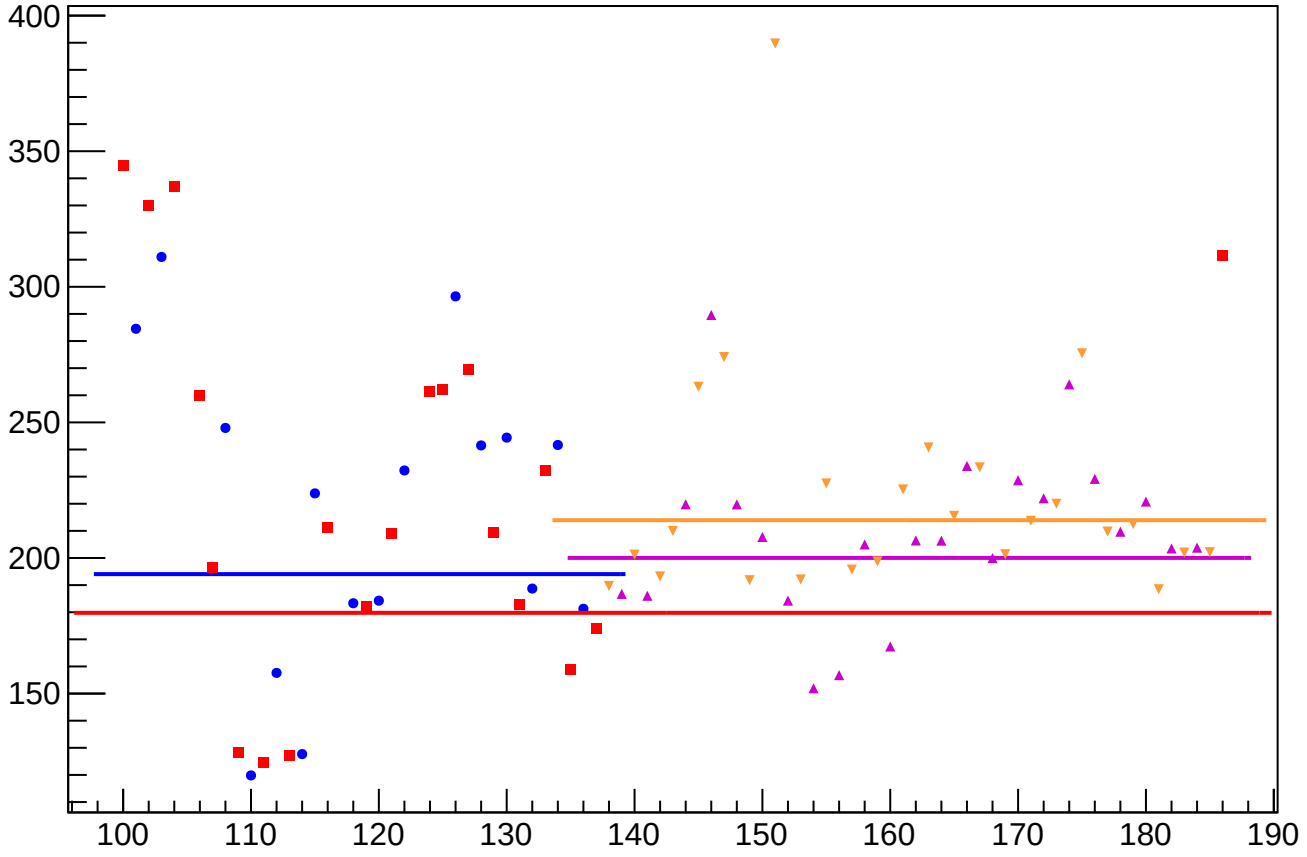
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 1030.871+/-41.534 χ^2/NDF: 6982.0/40

All: 1448.413+/-28.557 χ^2/NDF: 22734.4/83

- sign 1822.784+/-39.328 χ^2/NDF: 15560.7/42

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

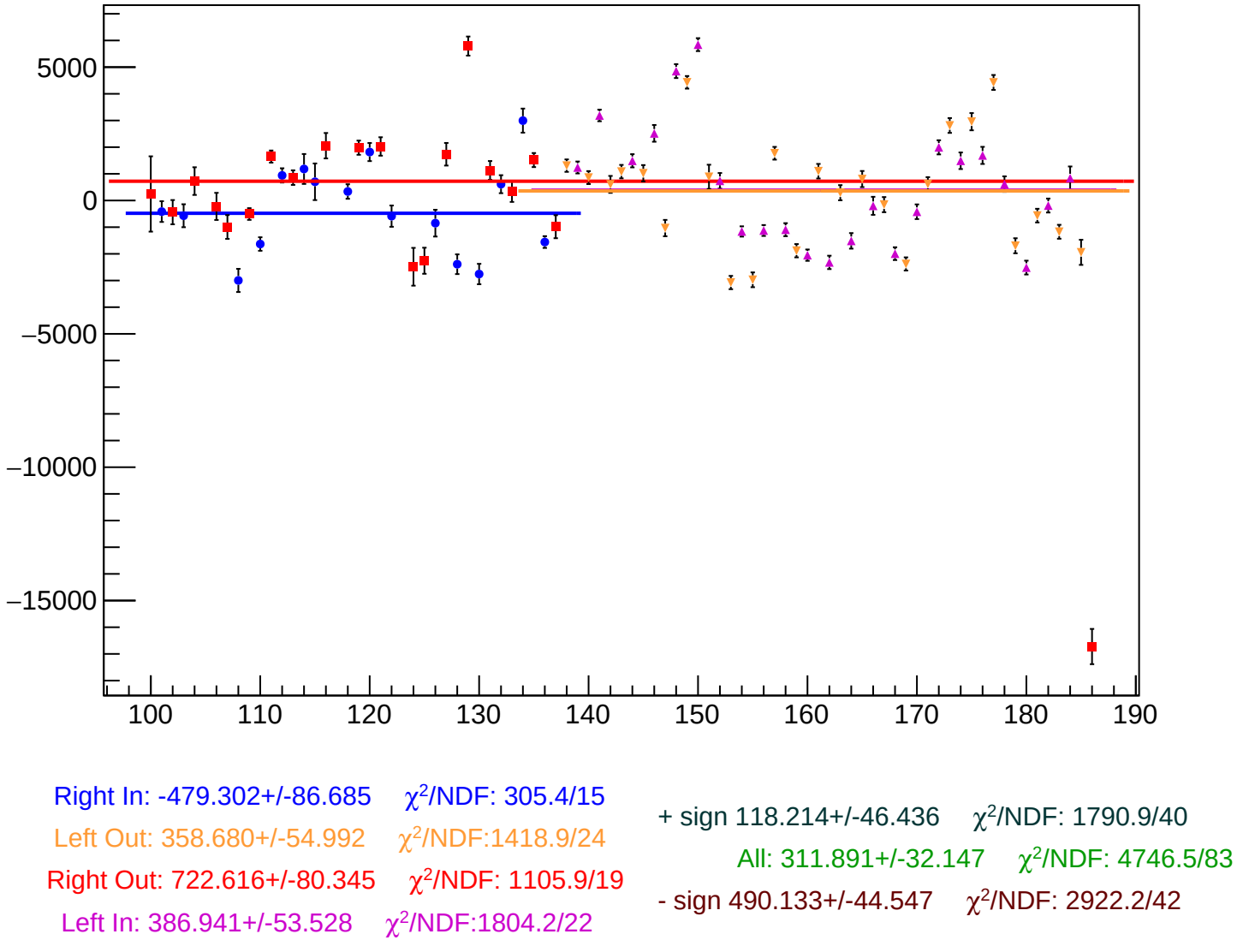
Right Out: 179.780+/-0.048 χ^2/NDF: 1509152.2/19

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

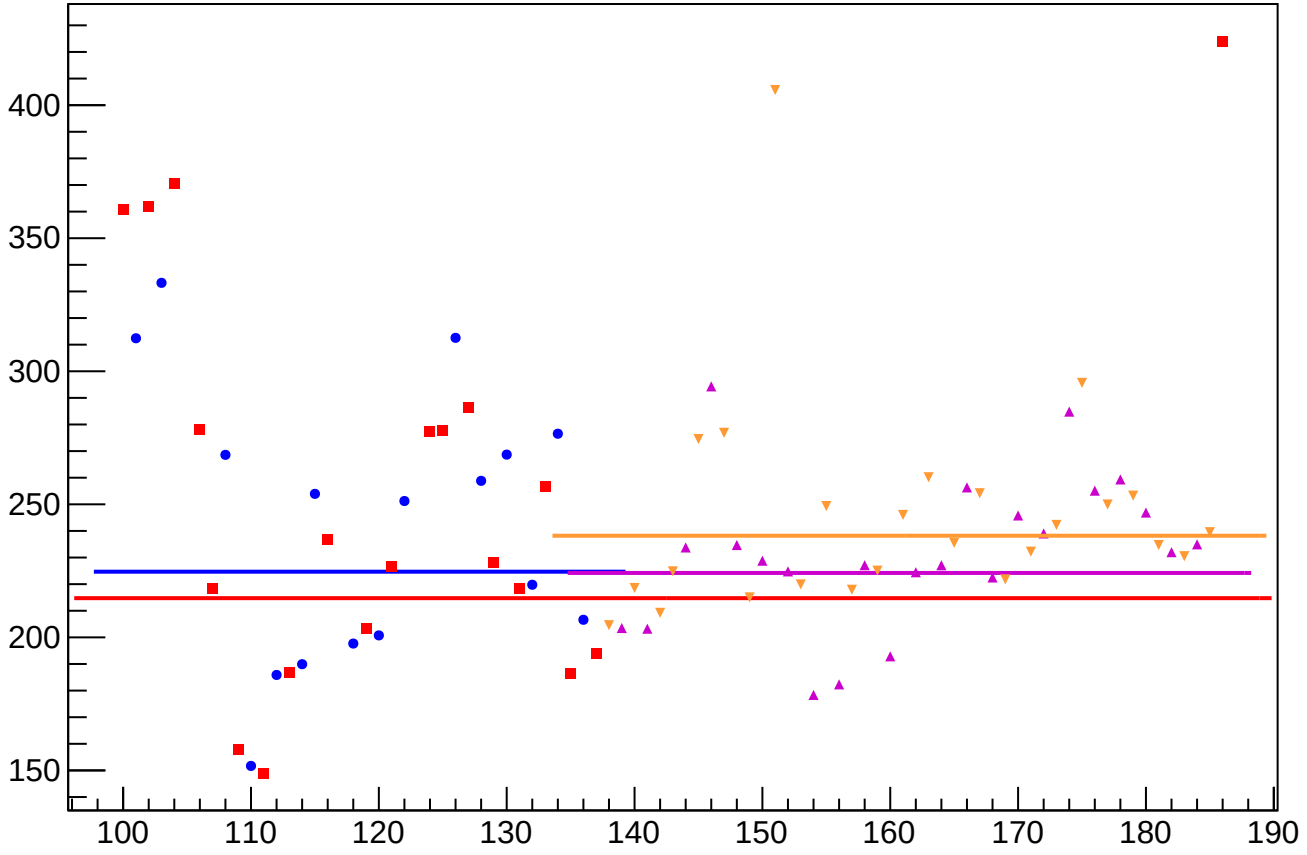
+ sign 207.988+/-0.029 χ^2/NDF: 1795446.7/40

All: 200.268+/-0.020 χ^2/NDF: 4338442.2/83

- sign 193.346+/-0.028 χ^2/NDF: 2411942.2/42


asym_bpm0i07WS_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -479.302+/-86.685 χ²/NDF: 305.4/15
Left Out: 358.680+/-54.992 χ²/NDF:1418.9/24
Right Out: 722.616+/-80.345 χ²/NDF: 1105.9/19
Left In: 386.941+/-53.528 χ²/NDF:1804.2/22
+ sign 118.214+/-46.436 χ²/NDF: 1790.9/40
All: 311.891+/-32.147 χ²/NDF: 4746.5/83
- sign 490.133+/-44.547 χ²/NDF: 2922.2/42

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 214.733+/-0.057 χ^2/NDF: 1136119.8/19

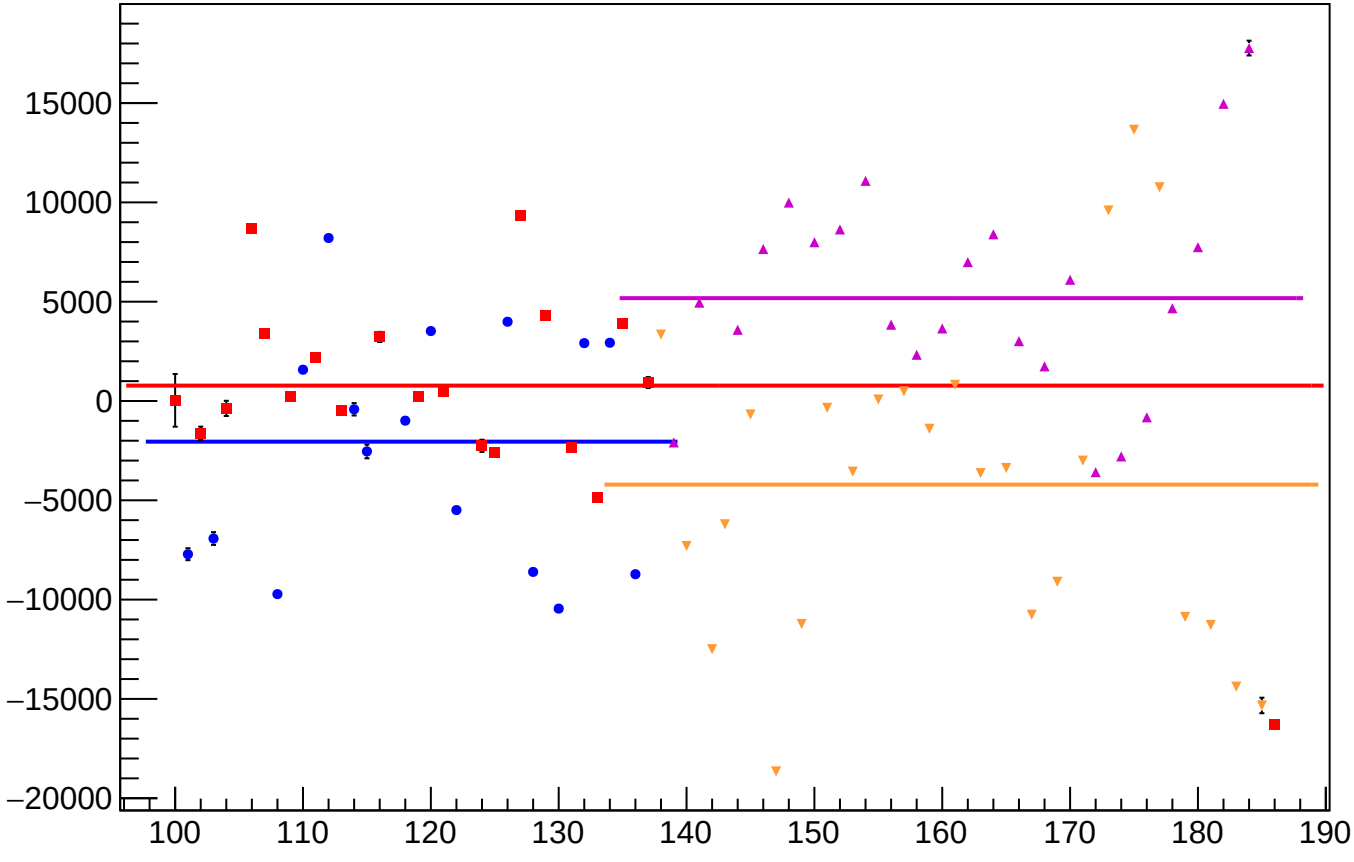
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 234.321+/-0.033 χ^2/NDF: 1255801.5/40

All: 227.539+/-0.023 χ^2/NDF: 3056346.8/83

- sign 221.298+/-0.031 χ^2/NDF: 1718632.3/42

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 774.895+/-43.891 χ^2/NDF: 12215.7/19

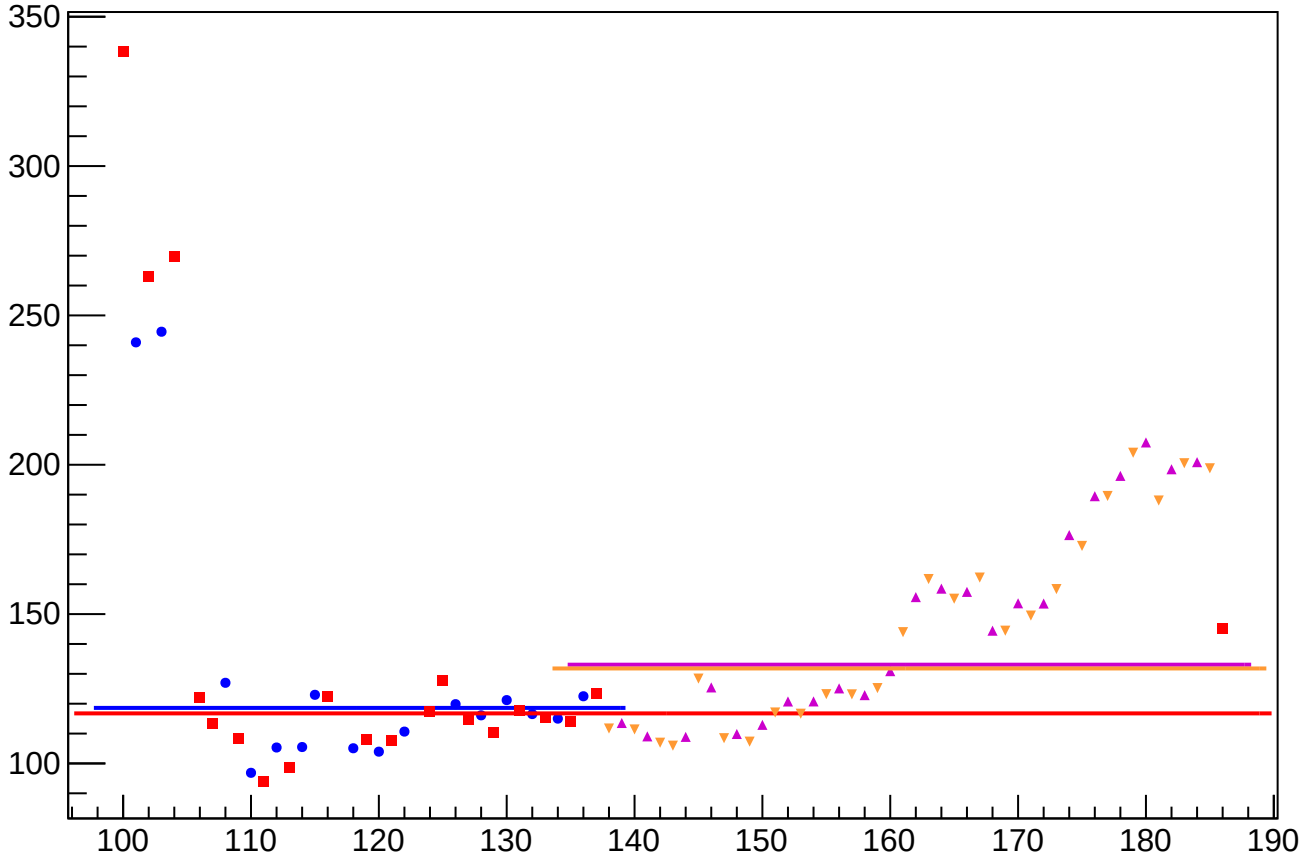
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -3554.428+/-25.732 χ^2/NDF: 75005.4/40

All: 33.423+/-18.234 χ^2/NDF: 151387.6/83

- sign 3651.855+/-25.841 χ^2/NDF: 37333.1/42

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 116.757+/-0.031 χ^2/NDF: 896652.7/19

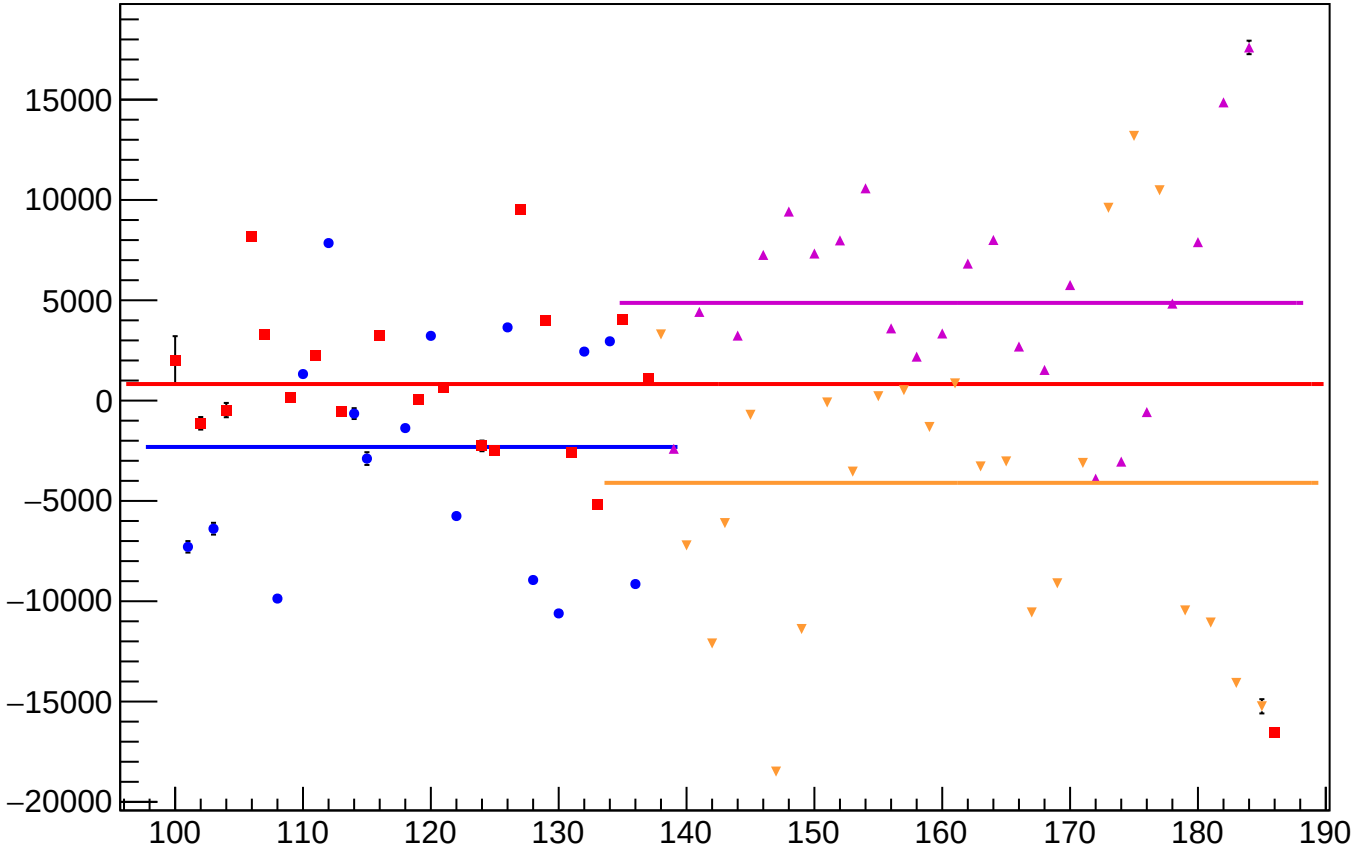
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 127.793+/-0.018 χ^2/NDF: 2389745.5/40

All: 127.602+/-0.013 χ^2/NDF: 4885180.8/83

- sign 127.410+/-0.018 χ^2/NDF: 2495214.1/42

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 825.633+/-38.725 χ^2/NDF: 15015.7/19

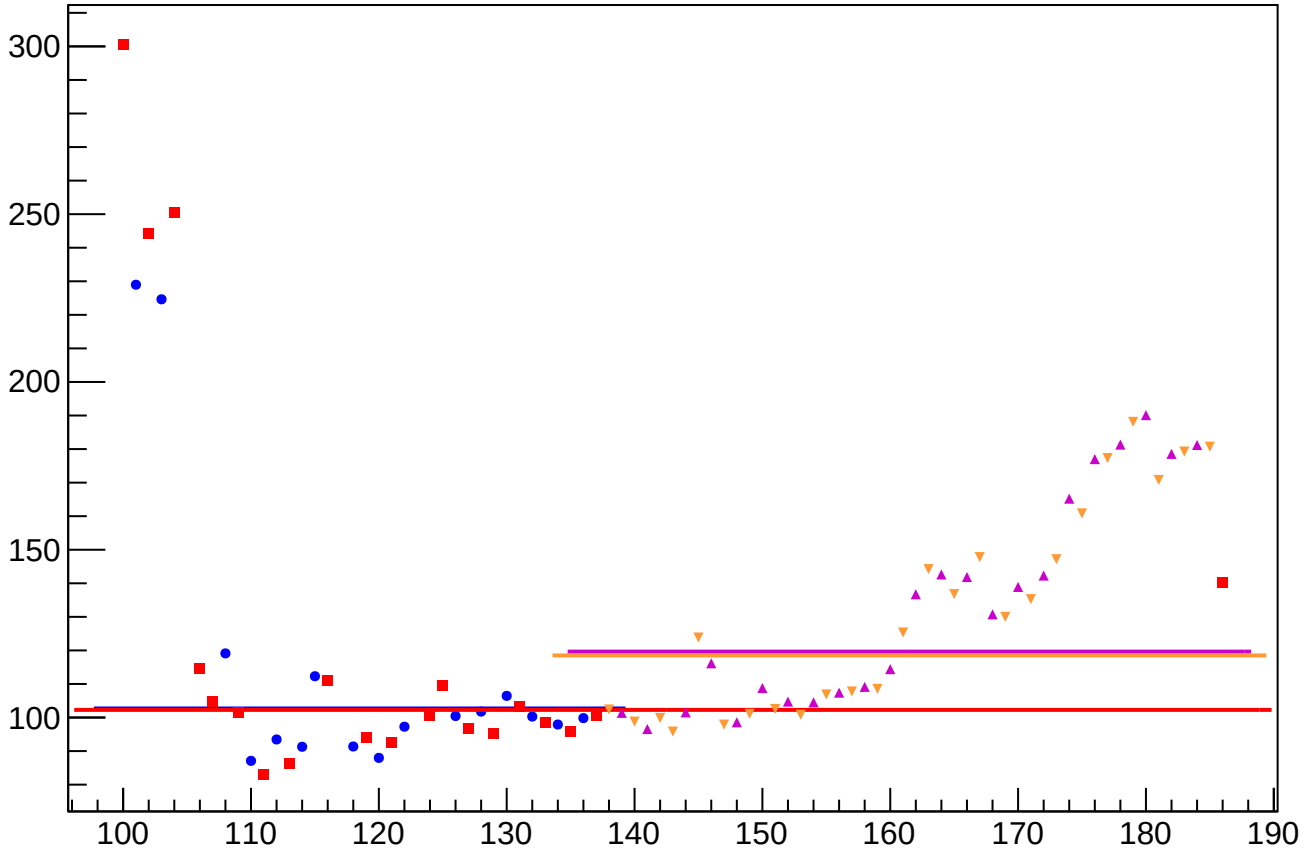
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -3531.434+/-22.946 χ^2/NDF: 89266.6/40

All: -76.645+/-16.284 χ^2/NDF: 178887.4/83

- sign 3428.982+/-23.114 χ^2/NDF: 43949.7/42

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 102.280+/-0.027 χ^2/NDF: 991948.1/19

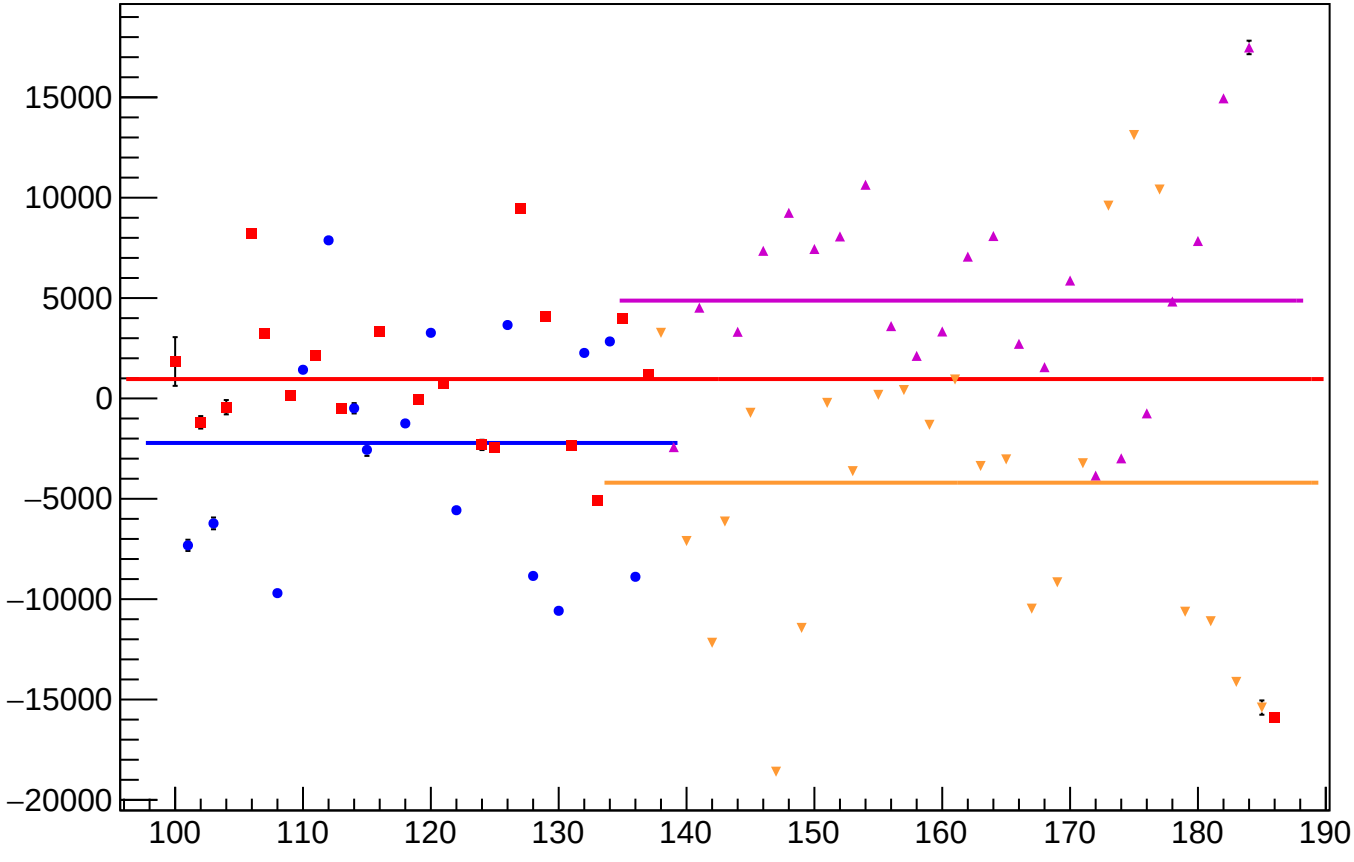
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

\+ sign 113.486+/-0.016 χ^2/NDF: 2658566.1/40

All: 113.472+/-0.012 χ^2/NDF: 5421781.8/83

\- sign 113.458+/-0.016 χ^2/NDF: 2763214.3/42

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 965.018+/-37.111 χ^2/NDF: 14394.5/19

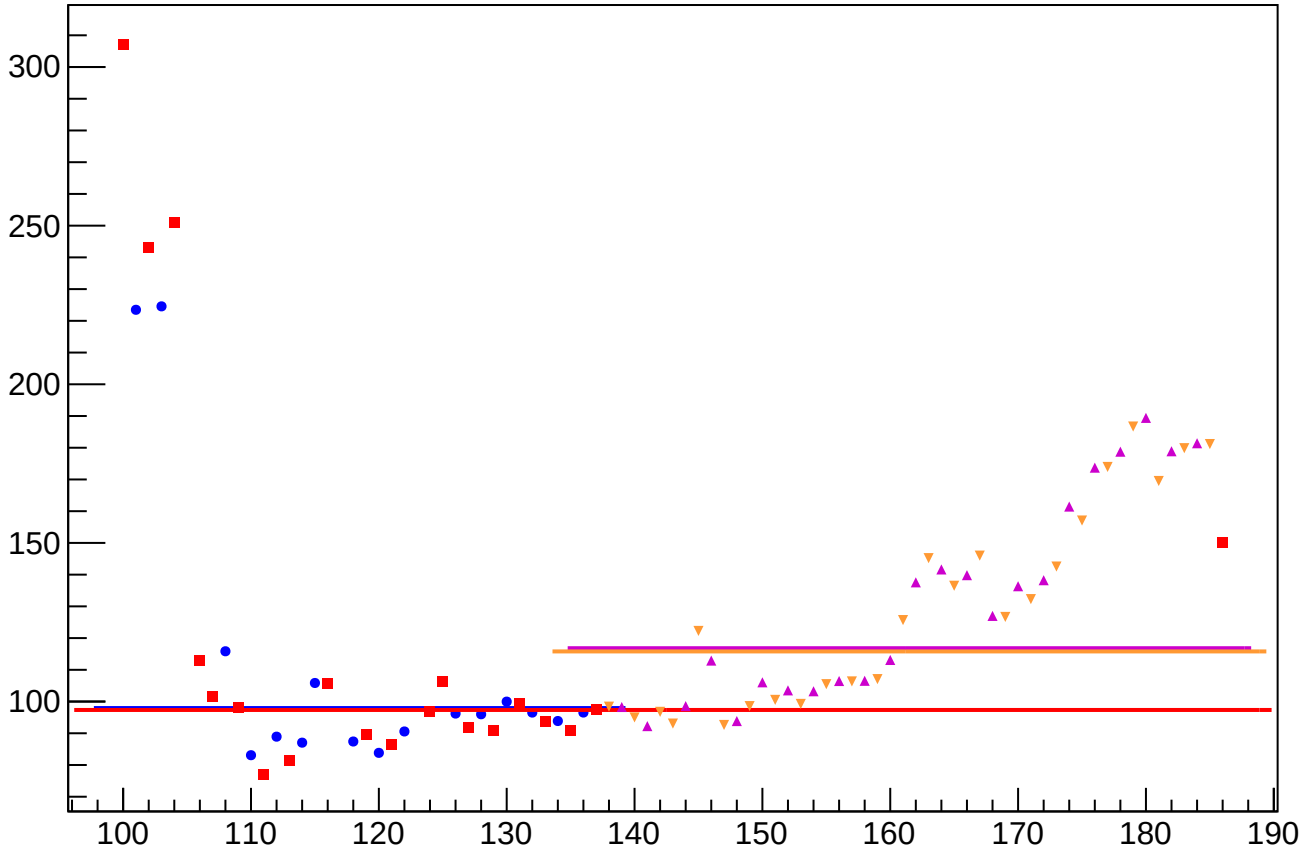
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -3550.207+/-22.323 χ^2/NDF: 95186.3/40

All: -74.155+/-15.831 χ^2/NDF: 188312.9/83

- sign 3442.511+/-22.453 χ^2/NDF: 44348.7/42

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 97.346+/-0.026 χ^2/NDF: 1114982.0/19

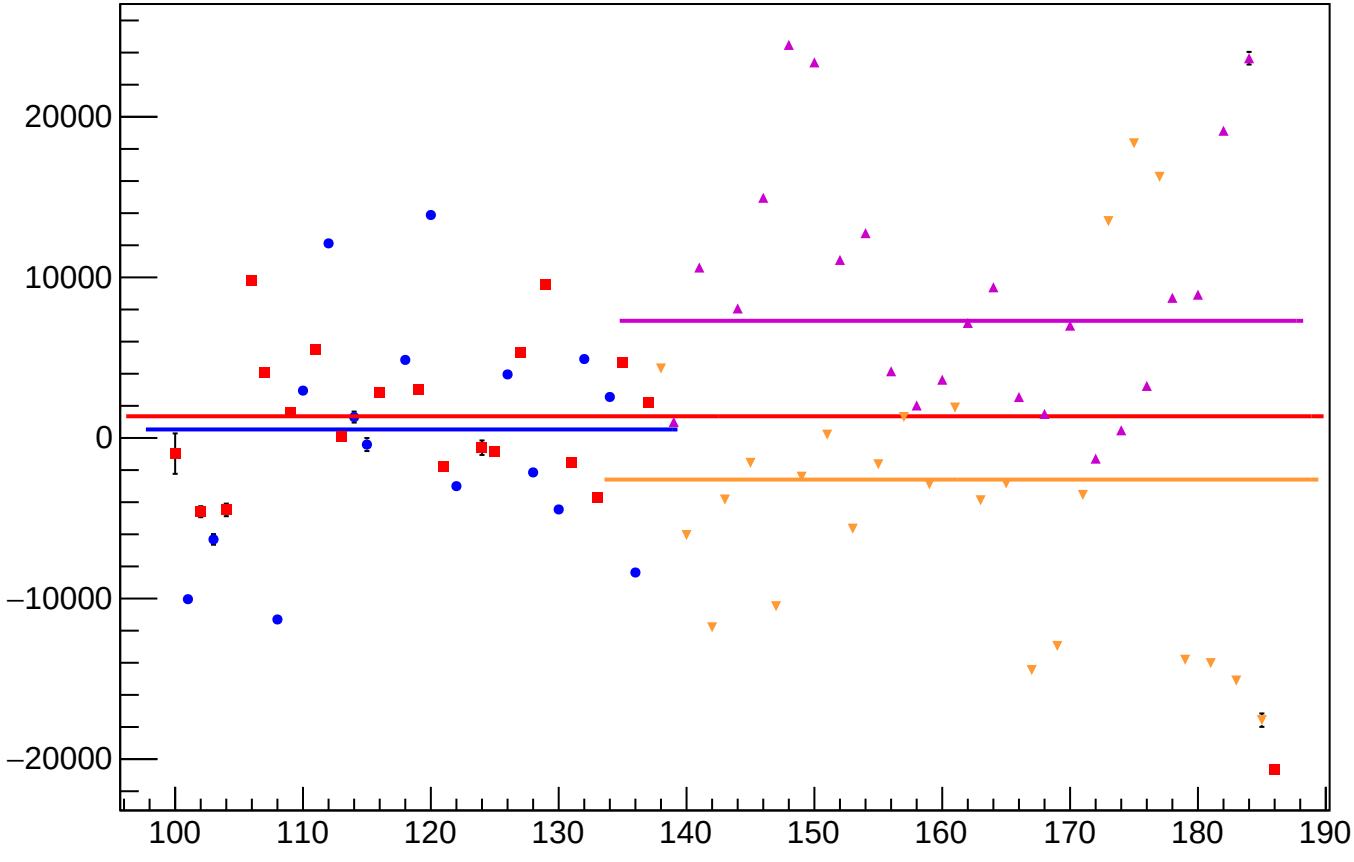
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

\+ sign 109.960+/-0.016 χ^2/NDF: 2898719.0/40

All: 109.823+/-0.011 χ^2/NDF: 5980220.3/83

\- sign 109.684+/-0.016 χ^2/NDF: 3081349.2/42

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: 1350.997+/-52.495 χ^2/NDF: 11461.8/19

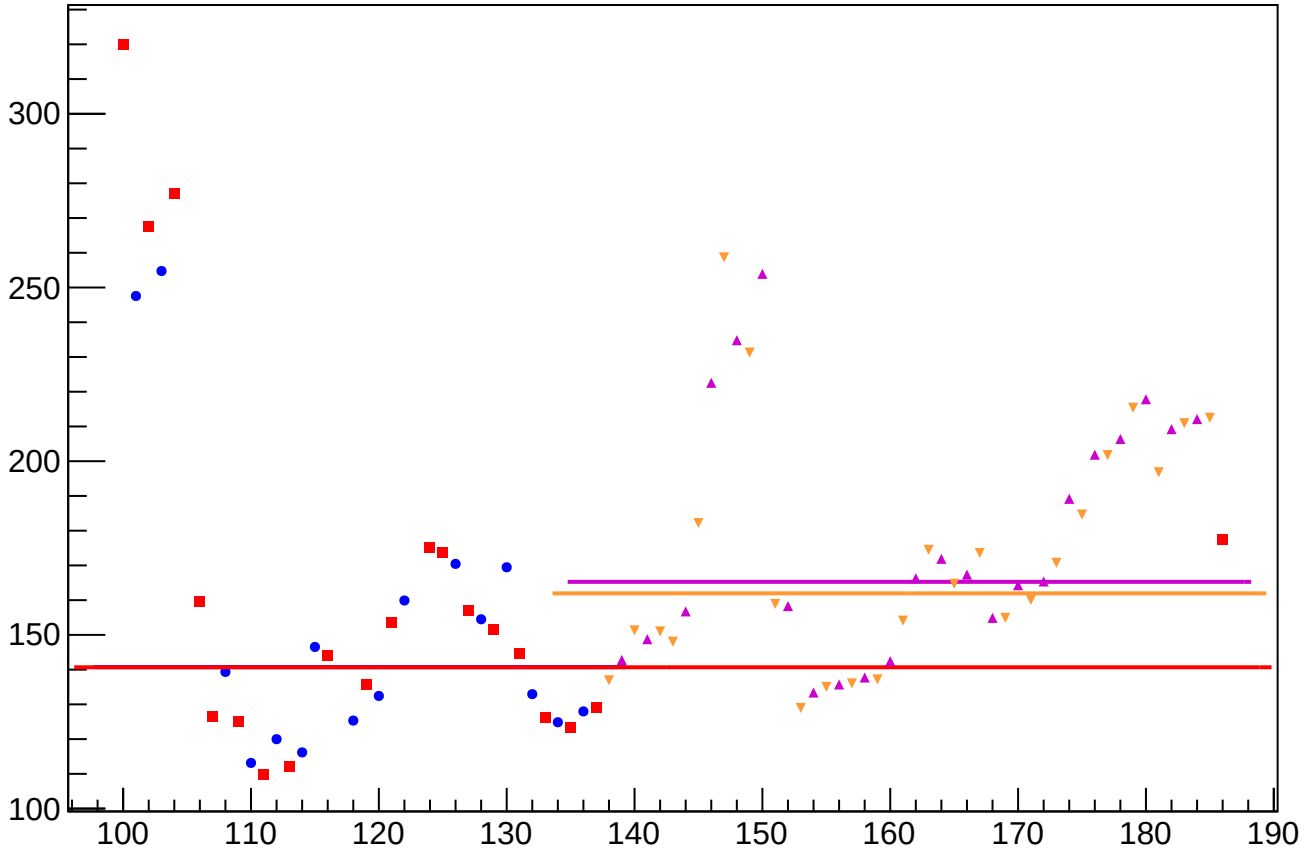
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign -1591.879+/-31.038 χ^2/NDF: 68784.4/40

All: 1714.357+/-22.144 χ^2/NDF: 136277.4/83

- sign 5141.728+/-31.601 χ^2/NDF: 44383.2/42

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 140.678+/-0.037 χ^2/NDF: 838643.7/19

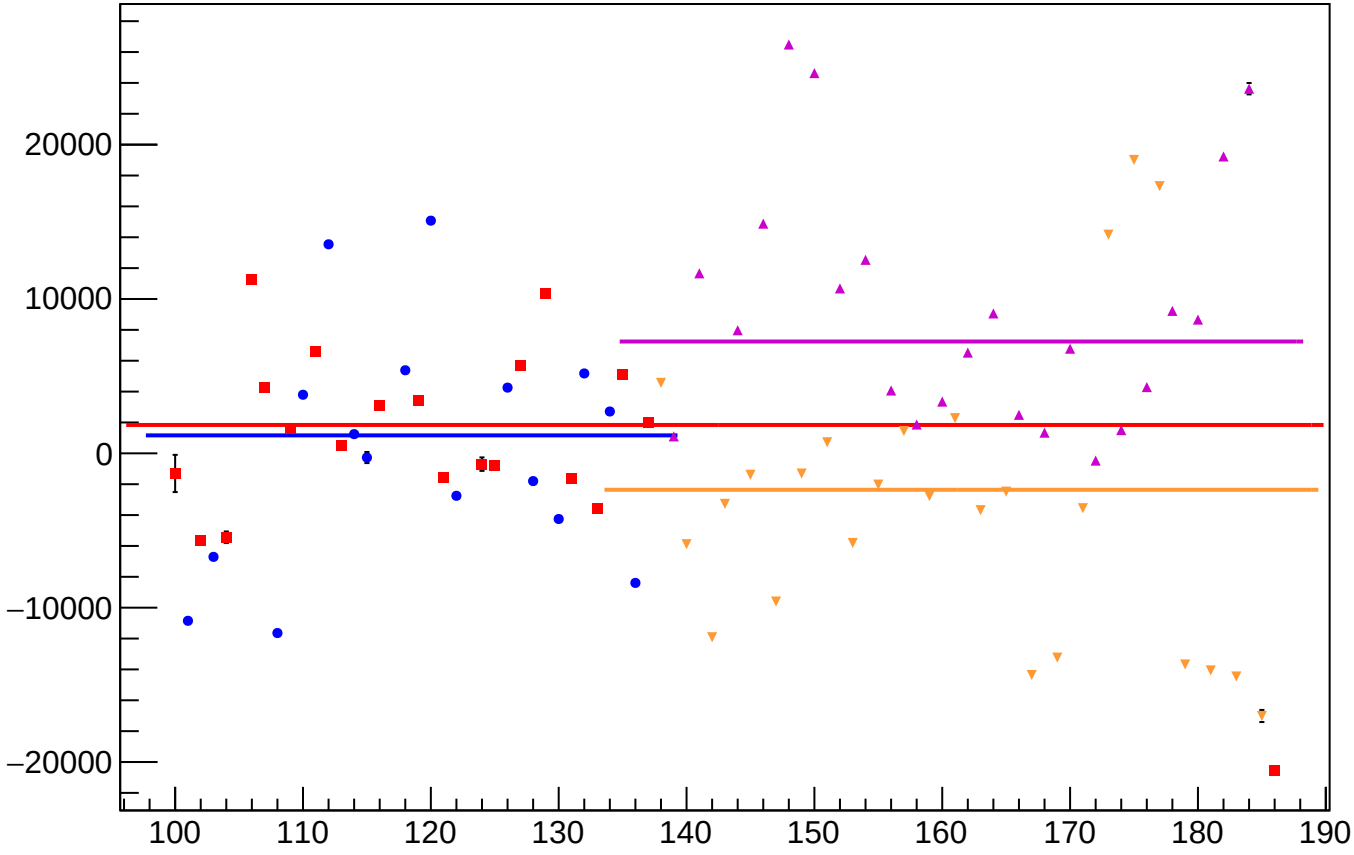
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

\+ sign 155.156+/-0.022 χ^2/NDF: 2024315.3/40

All: 155.747+/-0.016 χ^2/NDF: 4323432.6/83

\- sign 156.360+/-0.022 χ^2/NDF: 2297640.8/42

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 1838.042+/-43.534 χ^2/NDF: 16933.1/19

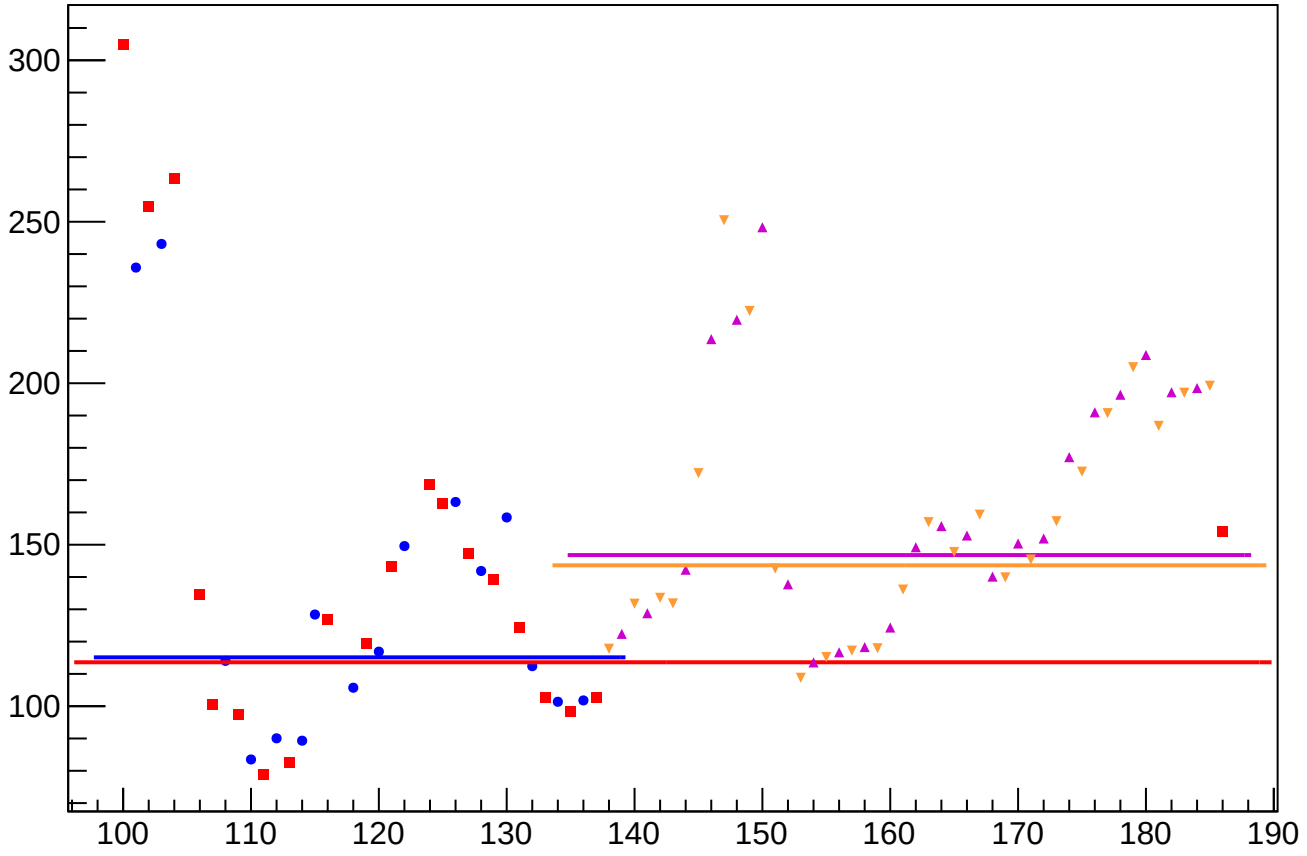
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign -1128.557+/-27.160 χ^2/NDF: 93148.4/40

All: 1937.790+/-19.330 χ^2/NDF: 175619.4/83

- sign 5084.832+/-27.515 χ^2/NDF: 56643.8/42

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 113.599+/-0.031 χ^2/NDF: 1386253.4/19

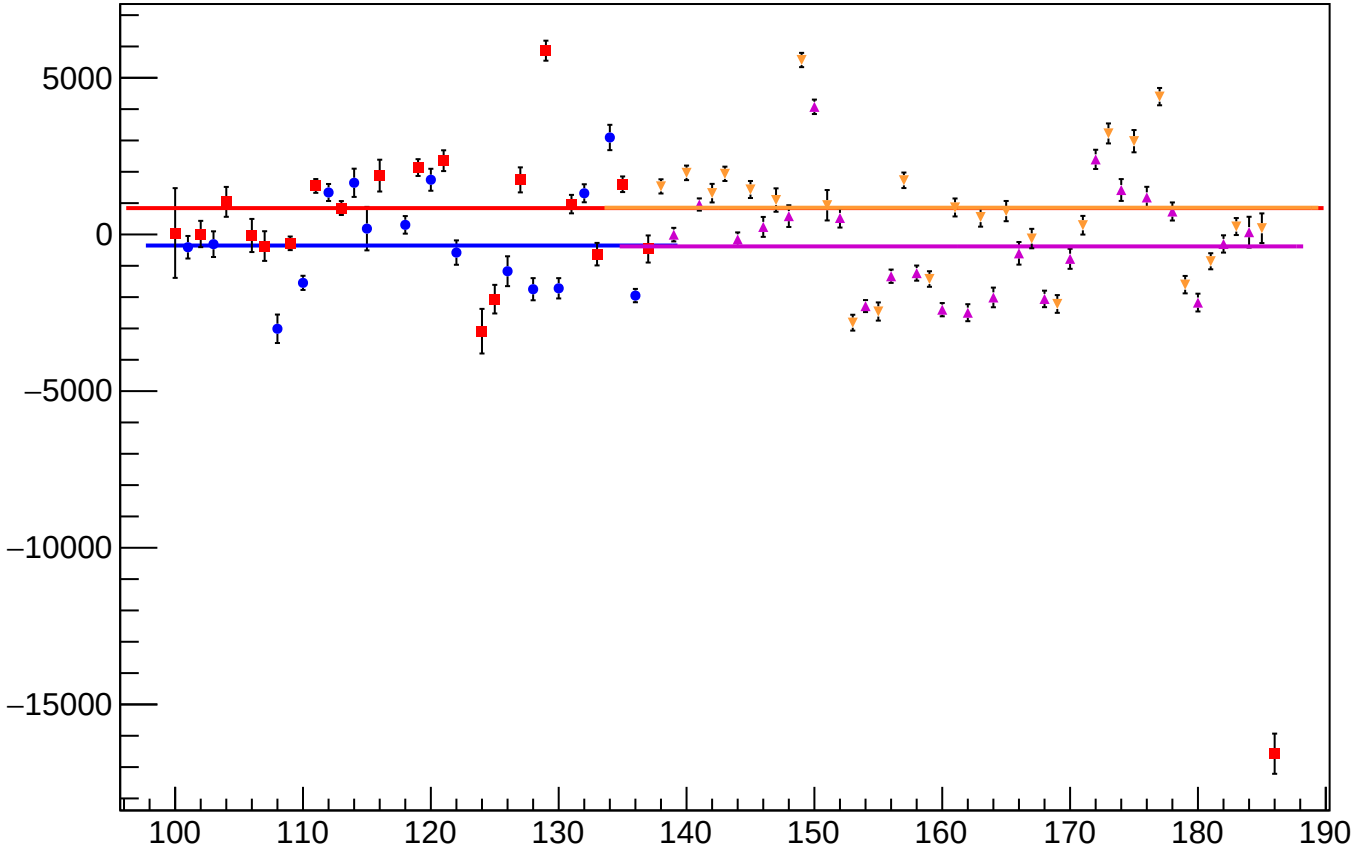
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

\+ sign 133.657+/-0.019 χ^2/NDF: 3276480.8/40

All: 133.596+/-0.014 χ^2/NDF: 7055563.8/83

\- sign 133.532+/-0.019 χ^2/NDF: 3779062.2/42

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 841.276+/-75.906 χ^2/NDF: 1195.1/19

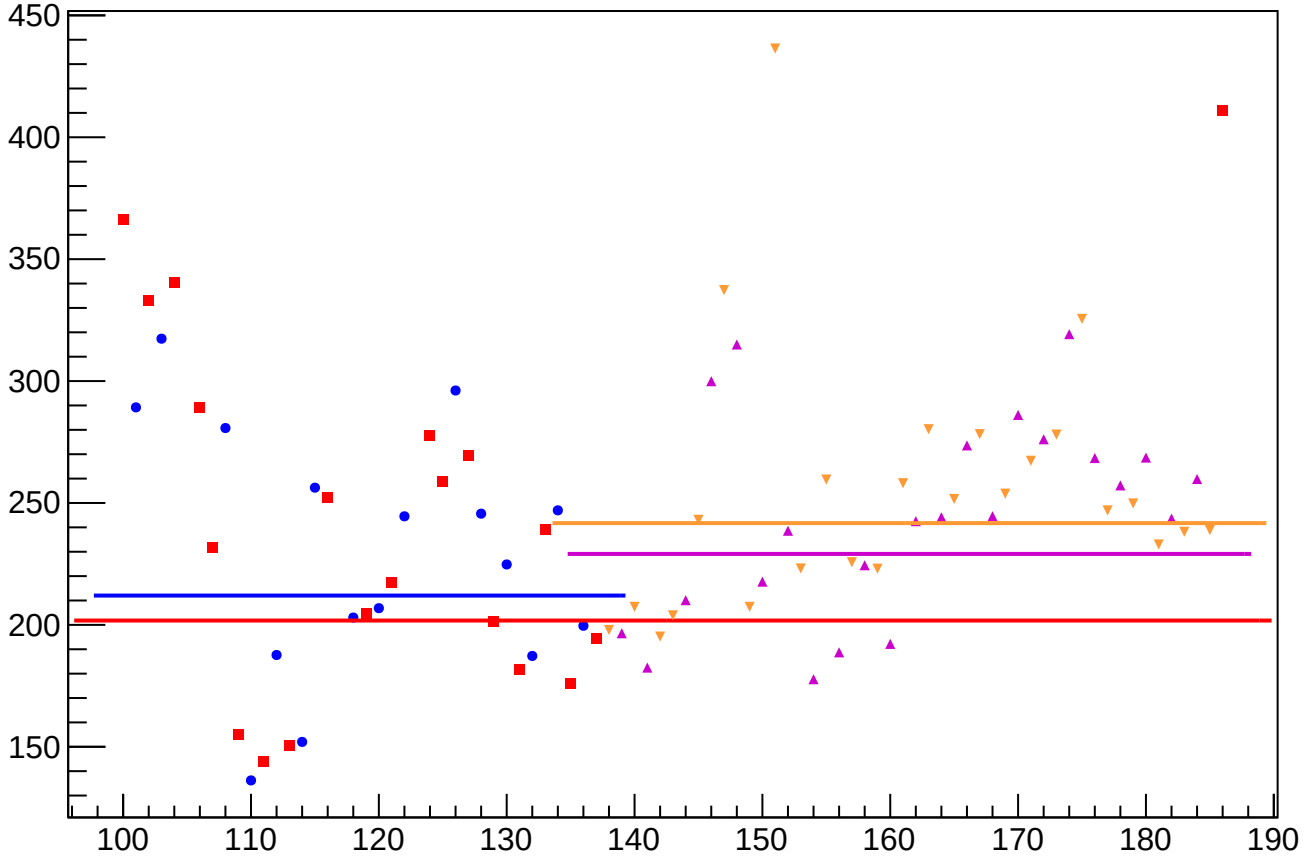
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 468.670+/-46.402 χ^2/NDF: 1952.7/40

All: 246.534+/-32.159 χ^2/NDF: 4344.0/83

- sign 41.235+/-44.609 χ^2/NDF: 2347.2/42

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 201.784+/-0.054 χ^2/NDF: 1191095.2/19

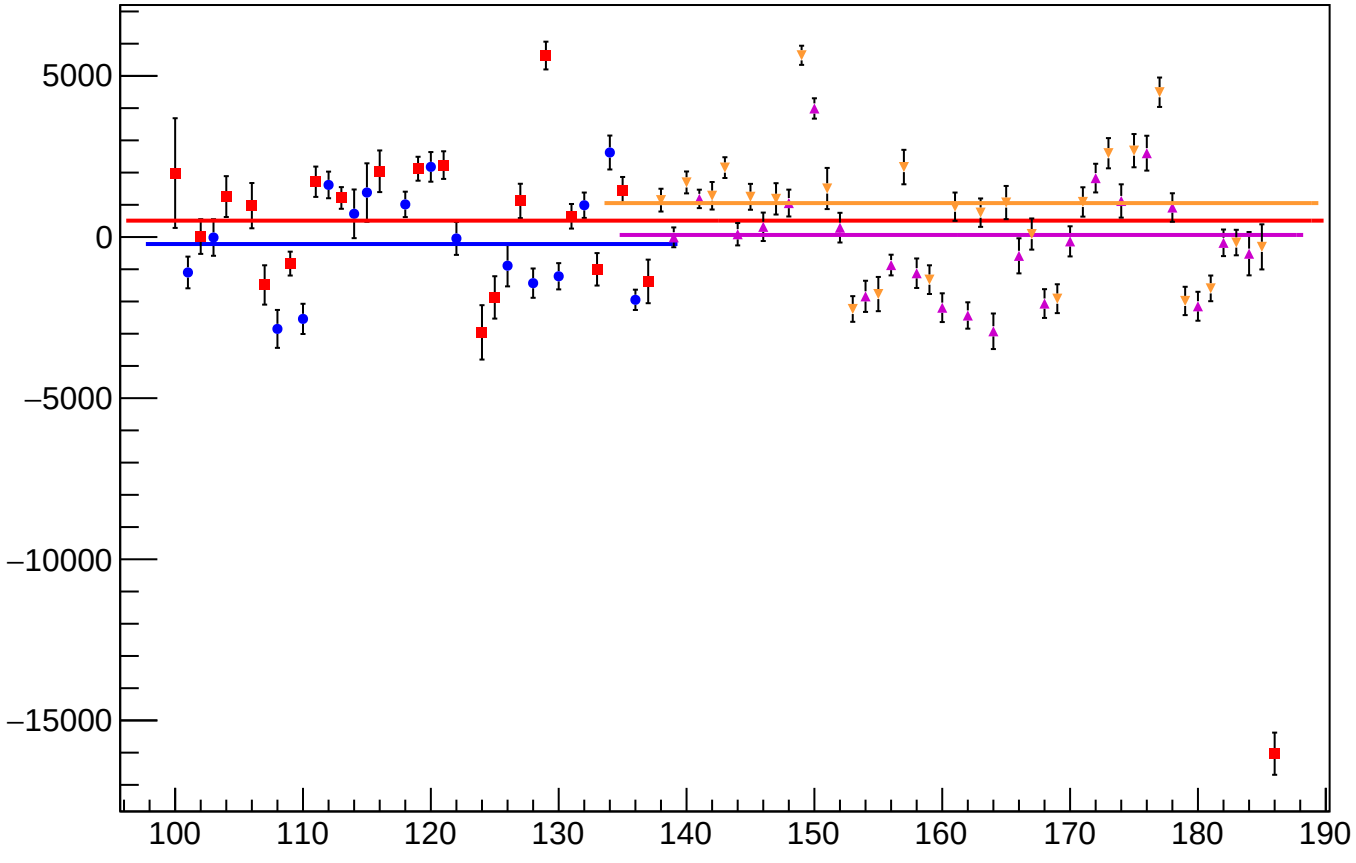
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 232.261+/-0.033 χ^2/NDF: 1855011.2/40

All: 225.716+/-0.023 χ^2/NDF: 4361205.3/83

- sign 219.668+/-0.032 χ^2/NDF: 2429643.8/42

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 508.922+/-111.458 χ^2/NDF: 912.3/19

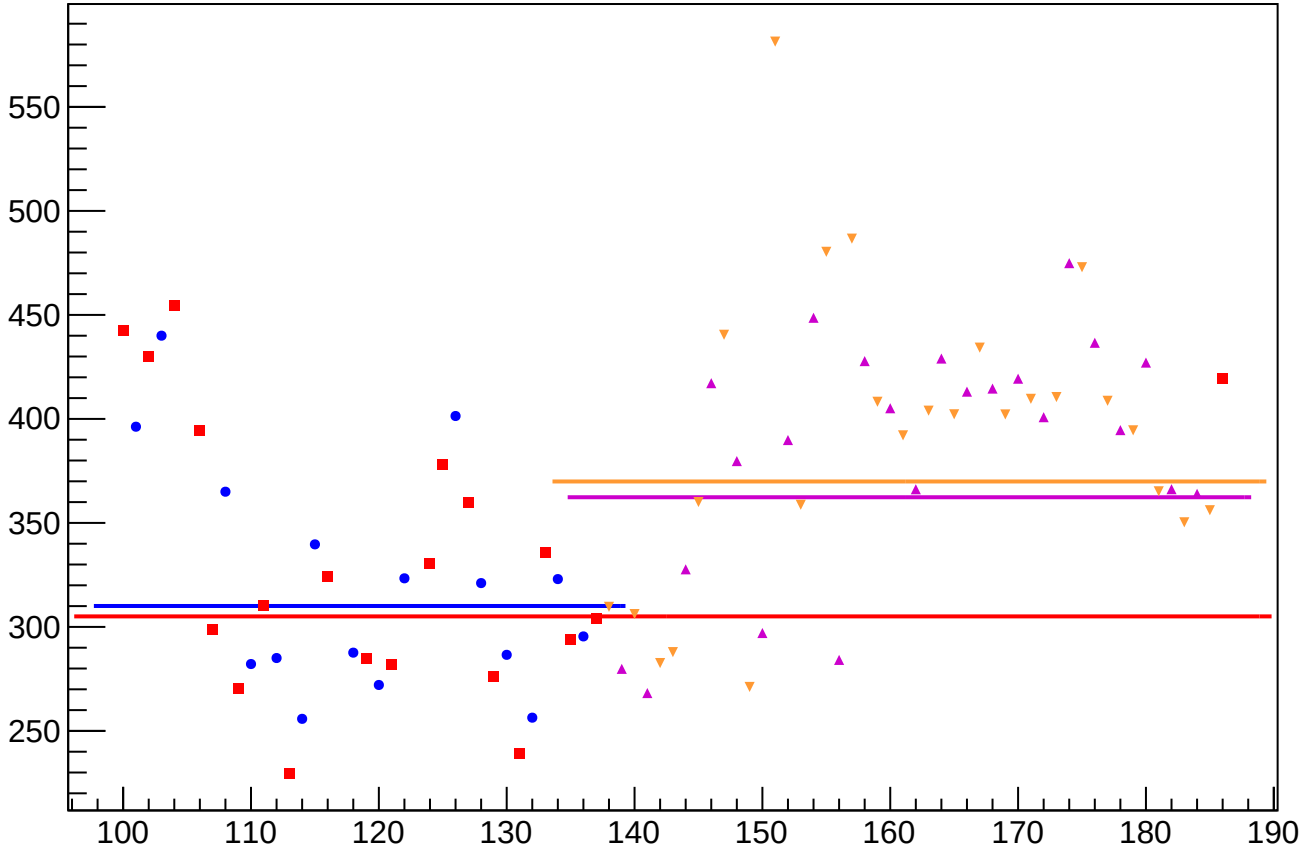
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 612.831+/-69.422 χ^2/NDF: 882.7/40

All: 419.646+/-48.728 χ^2/NDF: 2214.6/83

- sign 232.032+/-68.414 χ^2/NDF: 1316.6/42

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 305.060+/-0.079 χ^2/NDF: 583035.0/19

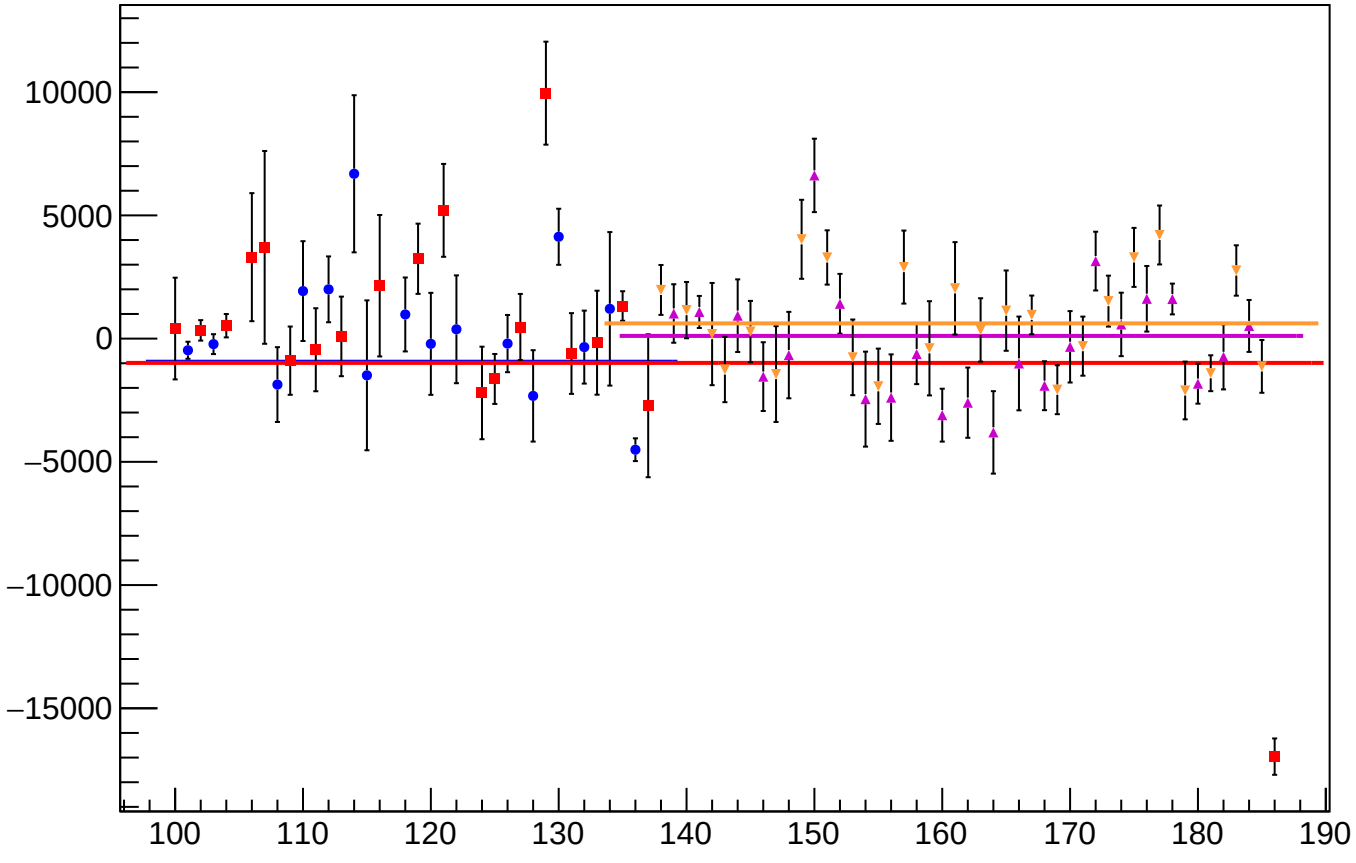
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 349.164+/-0.049 χ^2/NDF: 1890443.8/40

All: 344.901+/-0.034 χ^2/NDF: 3870963.3/83

- sign 340.760+/-0.048 χ^2/NDF: 1965648.5/42

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -985.138+/-222.299 χ^2/NDF: 560.4/19

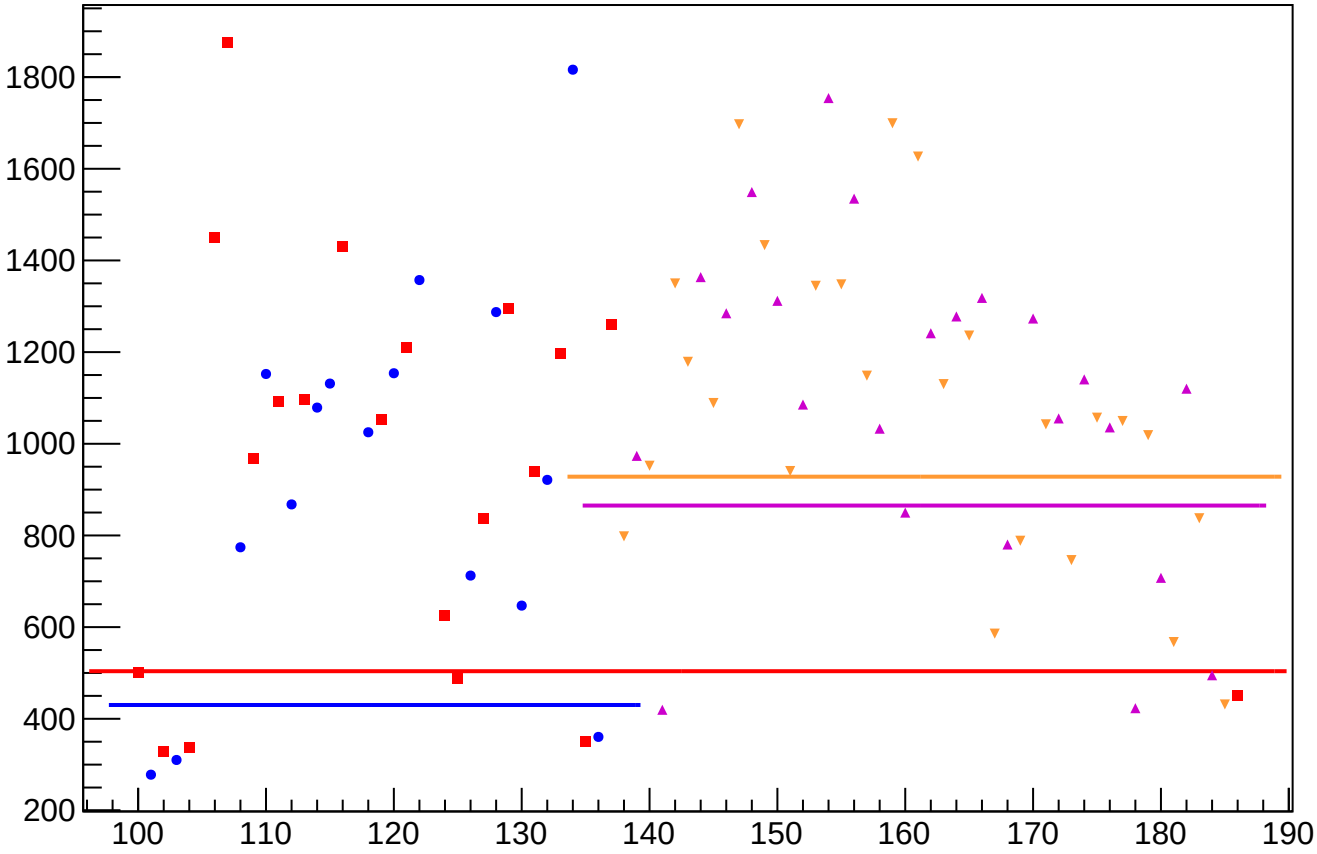
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign -275.968+/-155.243 χ^2/NDF: 191.5/40

All: -370.862+/-112.219 χ^2/NDF: 835.6/83

- sign -474.709+/-162.402 χ^2/NDF: 643.4/42

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 503.841+/-0.157 χ^2/NDF: 3685211.9/19

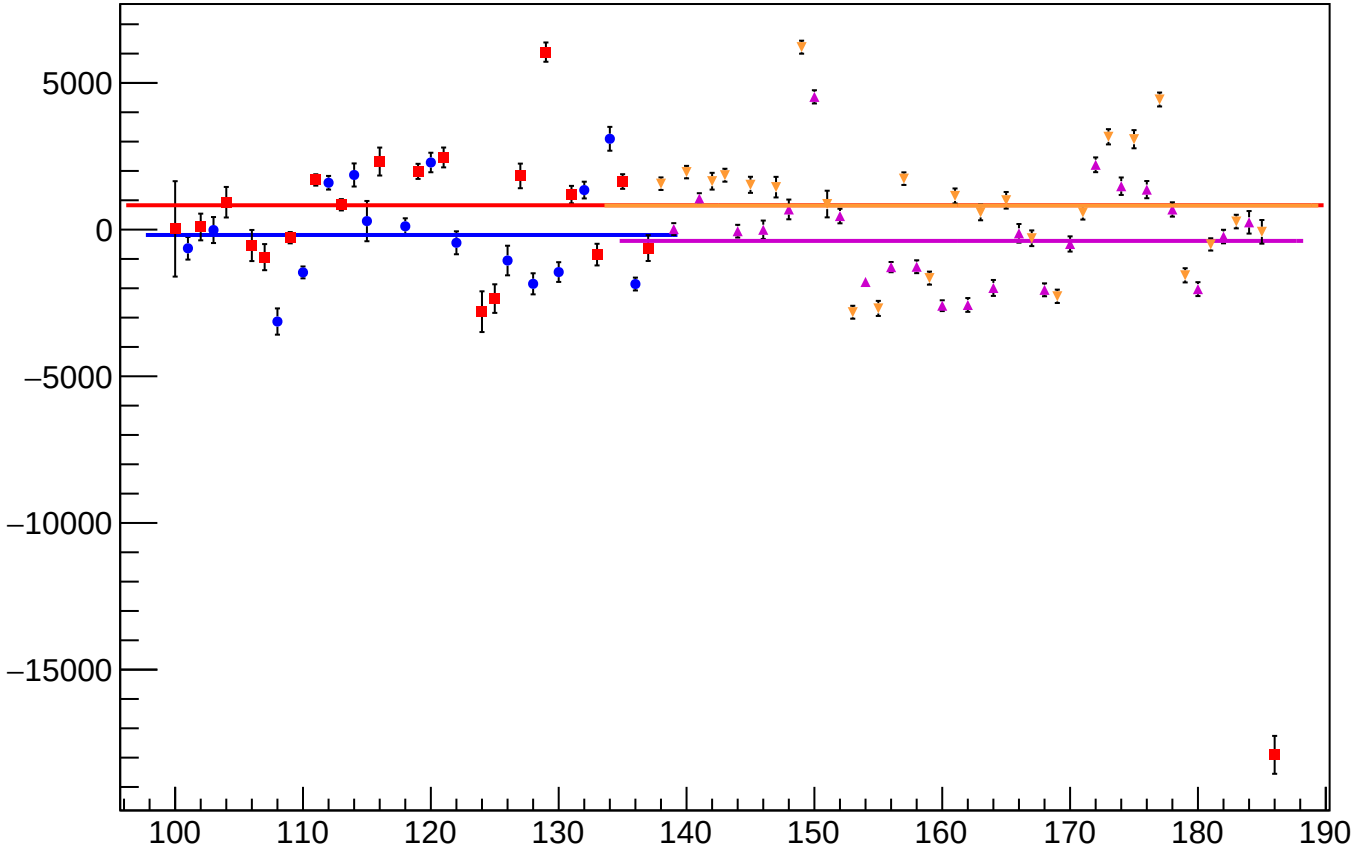
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 641.783+/-0.110 χ^2/NDF: 11848459.9/40

All: 656.378+/-0.079 χ^2/NDF: 22827963.7/83

- sign 672.350+/-0.115 χ^2/NDF: 10942481.0/42

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 830.160+/-72.598 χ^2/NDF: 1343.9/19

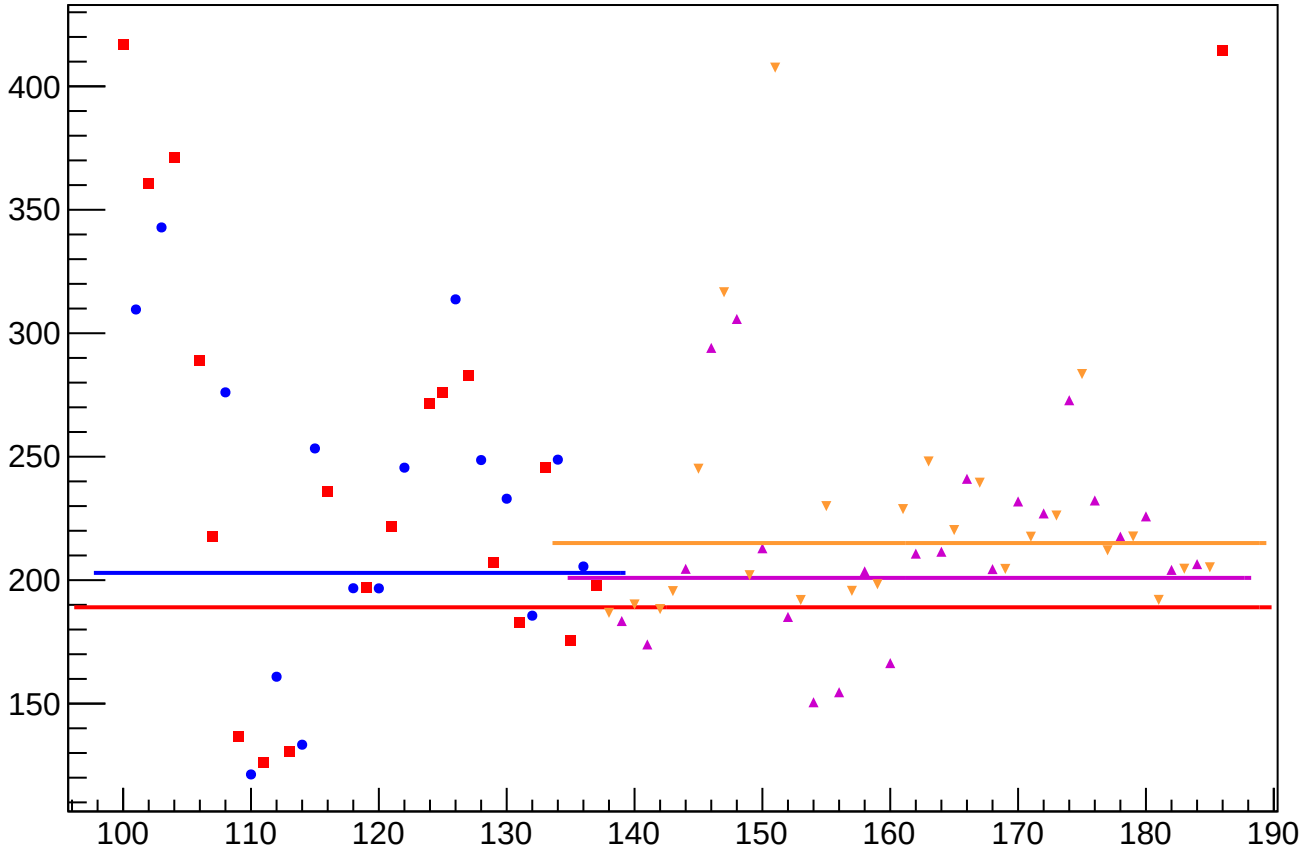
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 538.180+/-42.377 χ^2/NDF: 2522.0/40

All: 250.077+/-29.204 χ^2/NDF: 5401.0/83

- sign -10.506+/-40.302 χ^2/NDF: 2791.0/42

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 189.011+/-0.051 χ^2/NDF: 1728123.8/19

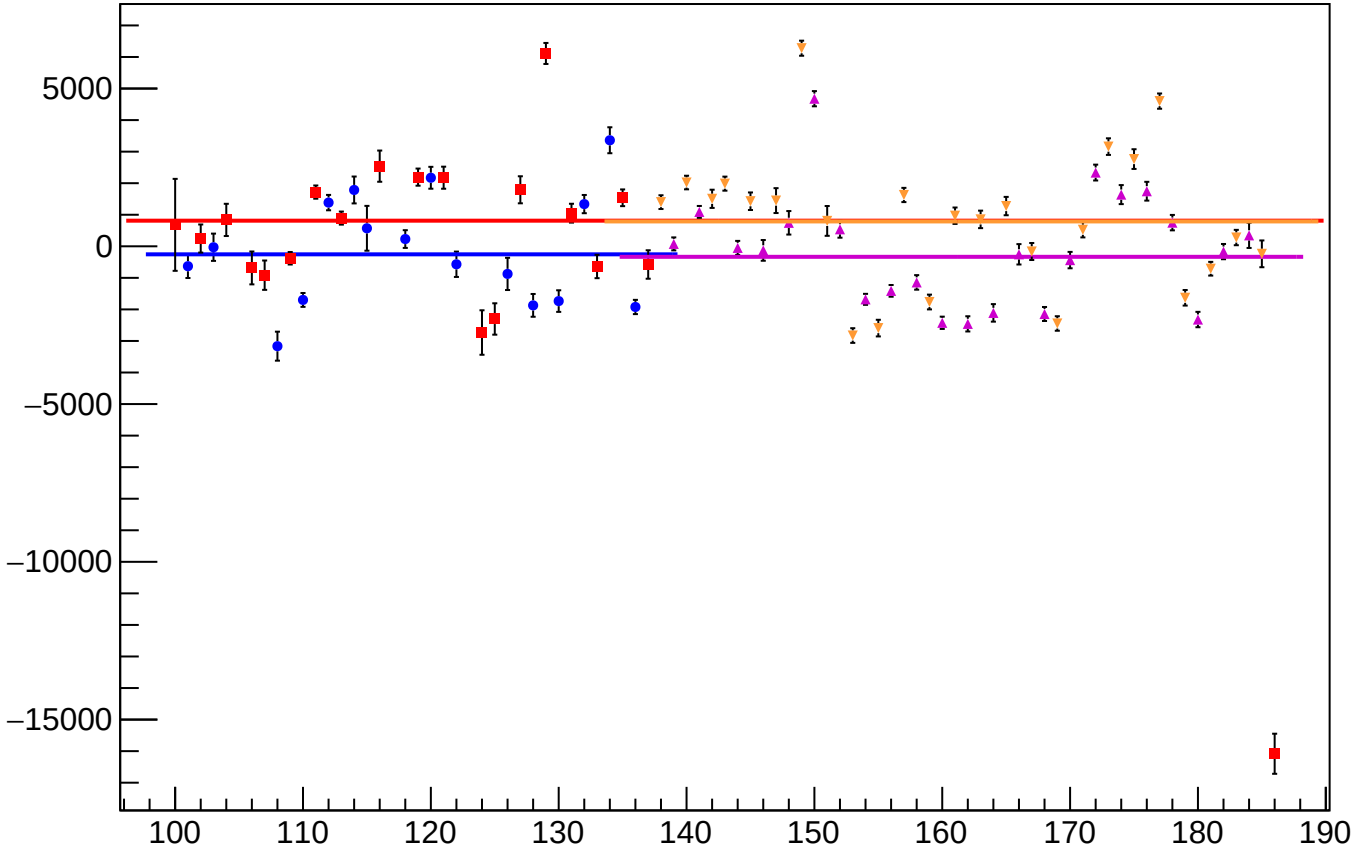
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 211.624+/-0.030 χ^2/NDF: 2002555.2/40

All: 204.075+/-0.021 χ^2/NDF: 4994598.2/83

- sign 197.248+/-0.028 χ^2/NDF: 2871180.8/42

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 812.155+/-75.432 χ^2/NDF: 1195.0/19

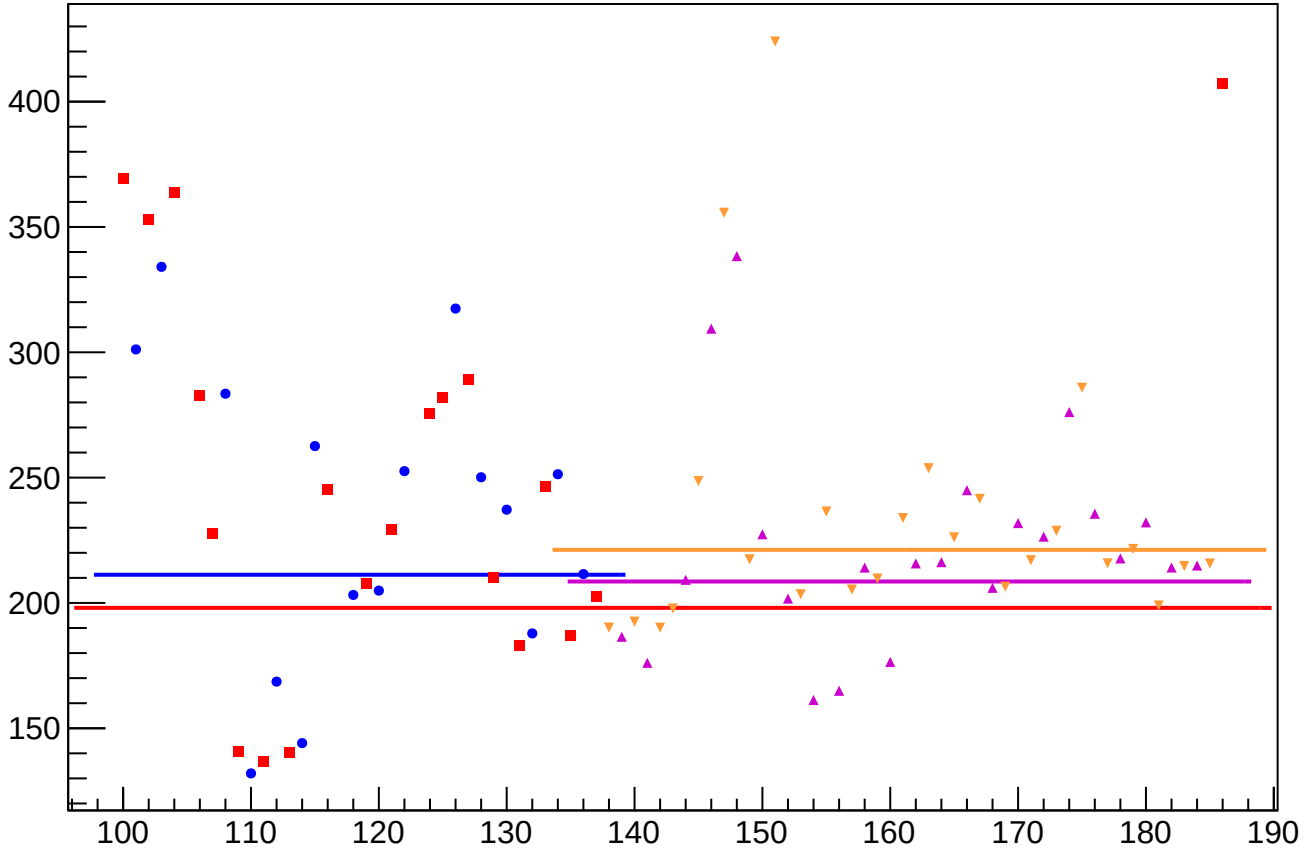
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 496.326+/-43.639 χ^2/NDF: 2414.5/40

All: 246.929+/-30.182 χ^2/NDF: 5047.2/83

- sign 18.238+/-41.788 χ^2/NDF: 2570.0/42

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 198.051+/-0.053 χ^2/NDF: 1504612.6/19

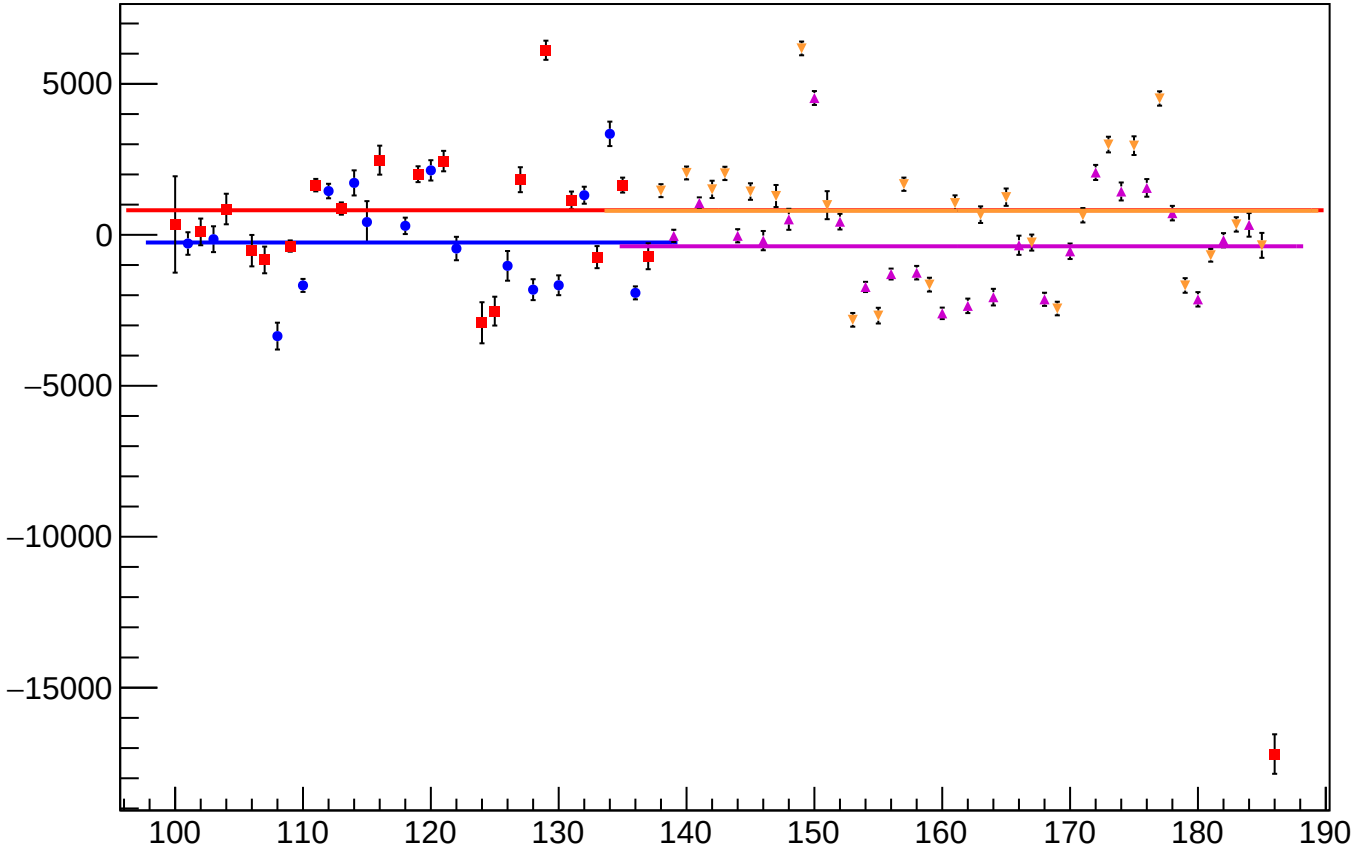
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 218.406+/-0.031 χ^2/NDF: 1844761.9/40

All: 211.586+/-0.021 χ^2/NDF: 4505537.3/83

- sign 205.332+/-0.030 χ^2/NDF: 2567136.7/42

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 813.961+/-72.906 χ^2/NDF: 1300.6/19

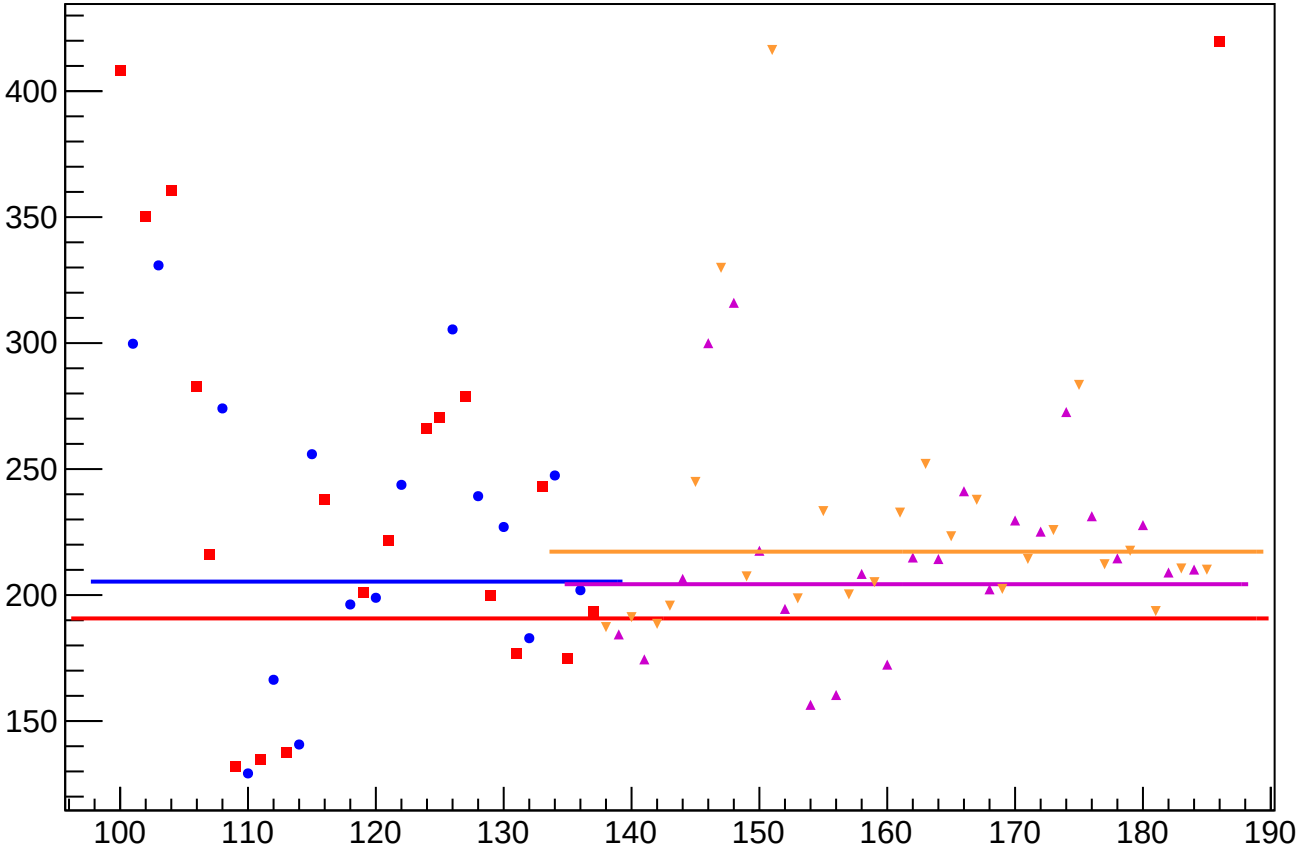
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 499.090+/-42.734 χ^2/NDF: 2515.9/40

All: 234.540+/-29.500 χ^2/NDF: 5275.1/83

- sign -6.284+/-40.773 χ^2/NDF: 2686.0/42

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 190.725+/-0.052 χ^2/NDF: 1584733.2/19

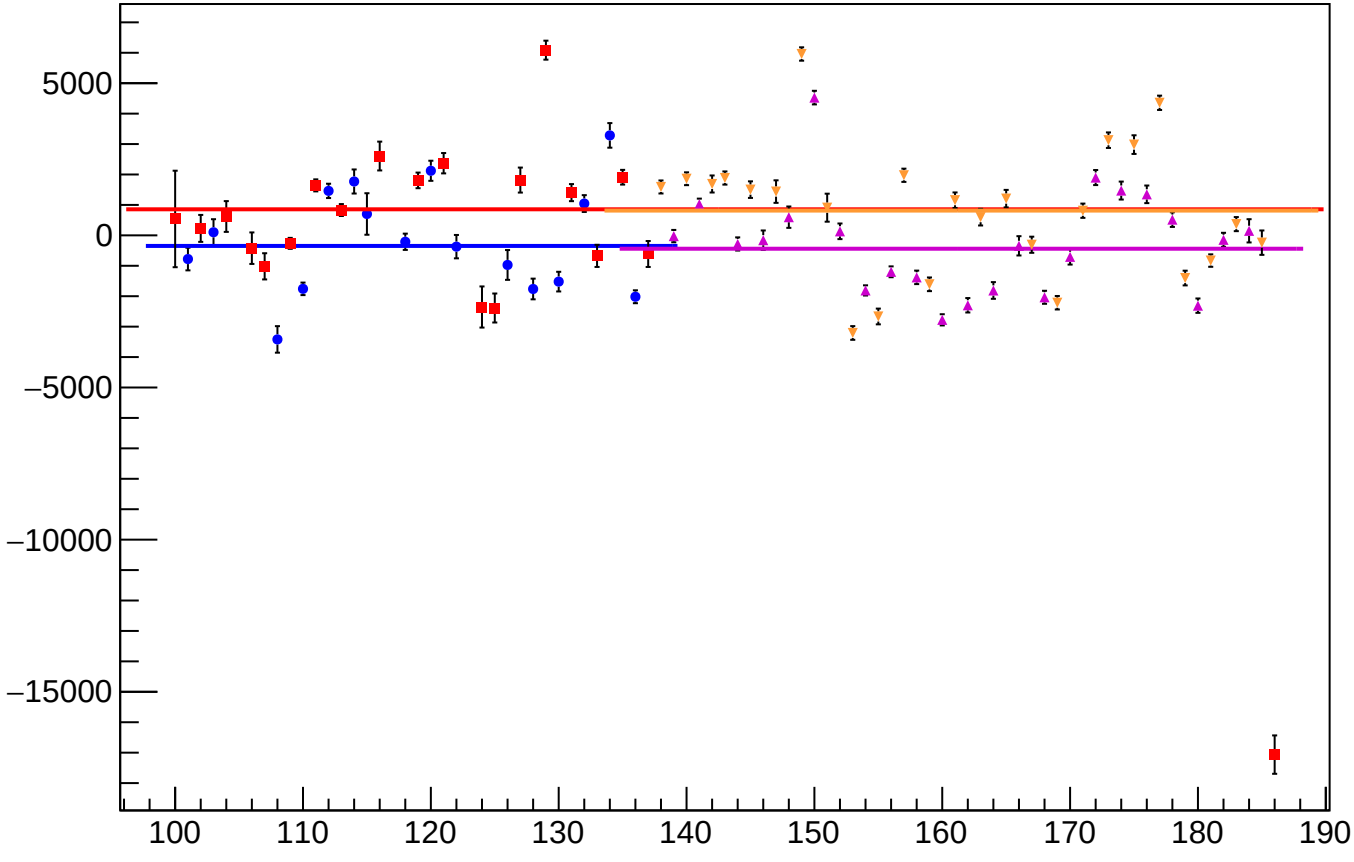
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 213.852+/-0.030 χ^2/NDF: 1819274.3/40

All: 206.632+/-0.021 χ^2/NDF: 4575828.4/83

- sign 200.060+/-0.029 χ^2/NDF: 2647492.8/42

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 856.068+/-71.083 χ^2/NDF: 1344.9/19

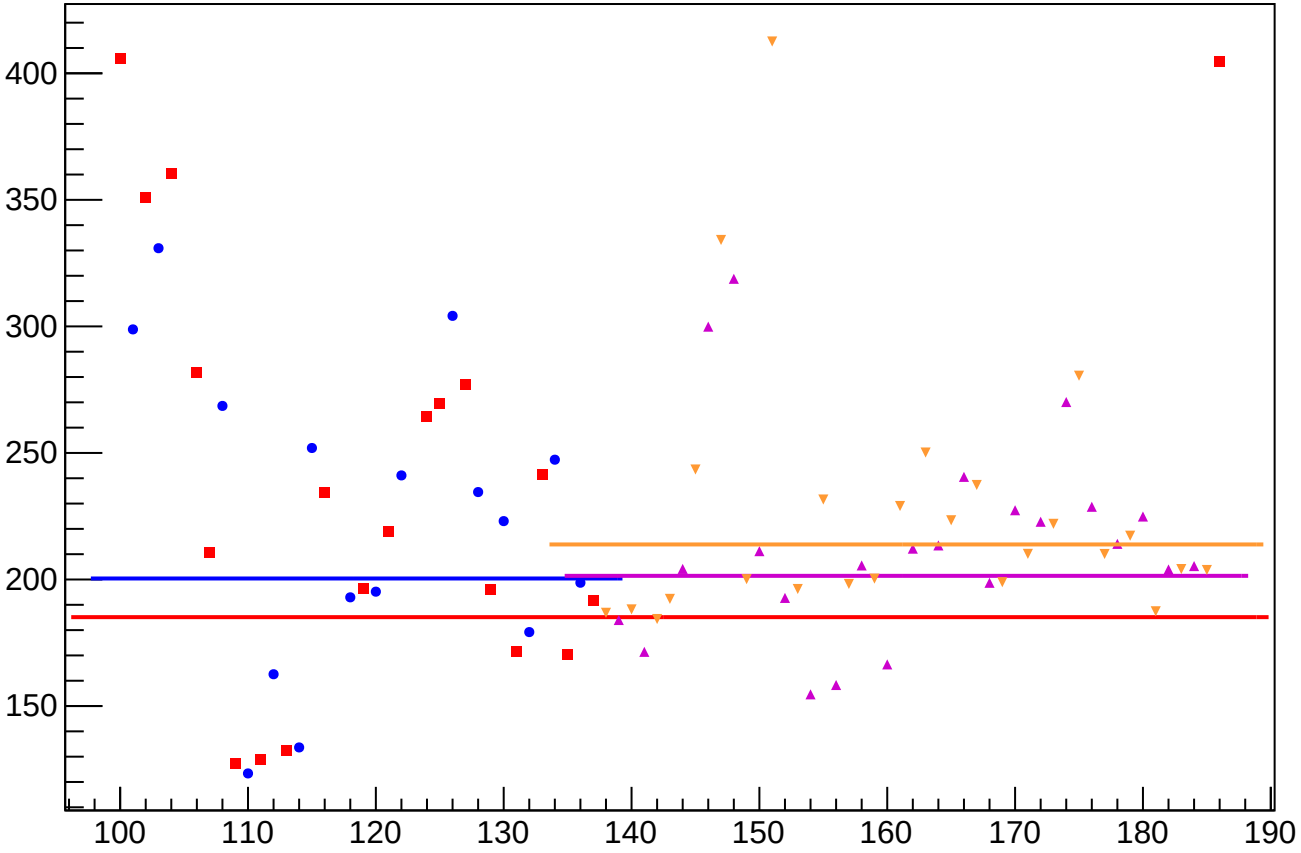
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 481.628+/-42.038 χ^2/NDF: 2602.3/40

All: 214.864+/-29.009 χ^2/NDF: 5485.7/83

- sign -27.665+/-40.083 χ^2/NDF: 2806.5/42

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 185.125+/-0.050 χ^2/NDF: 1692375.1/19

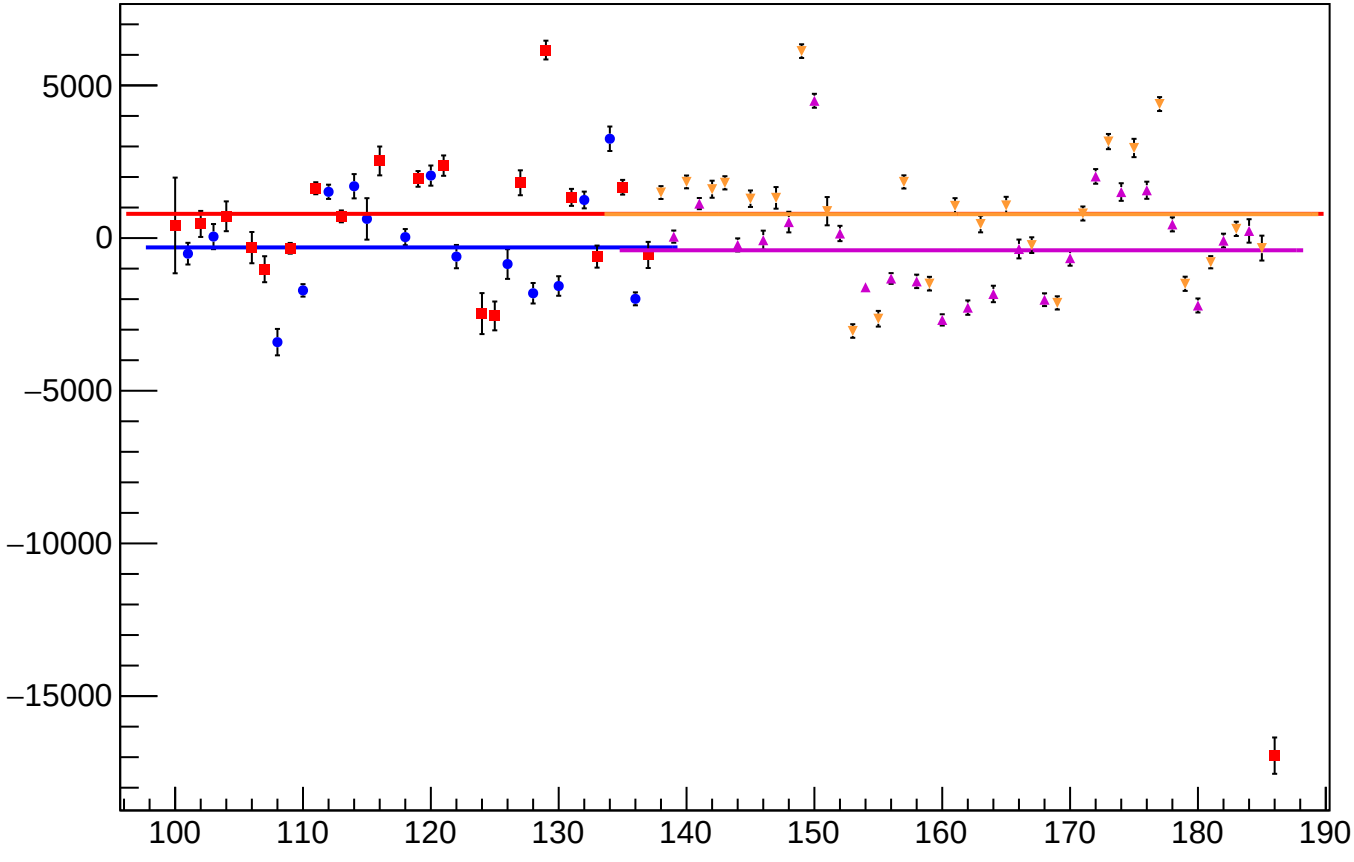
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 209.998+/-0.030 χ^2/NDF: 1964411.6/40

All: 202.800+/-0.021 χ^2/NDF: 4902610.5/83

- sign 196.256+/-0.028 χ^2/NDF: 2826256.8/42

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 793.568+/-70.327 χ^2/NDF: 1454.7/19

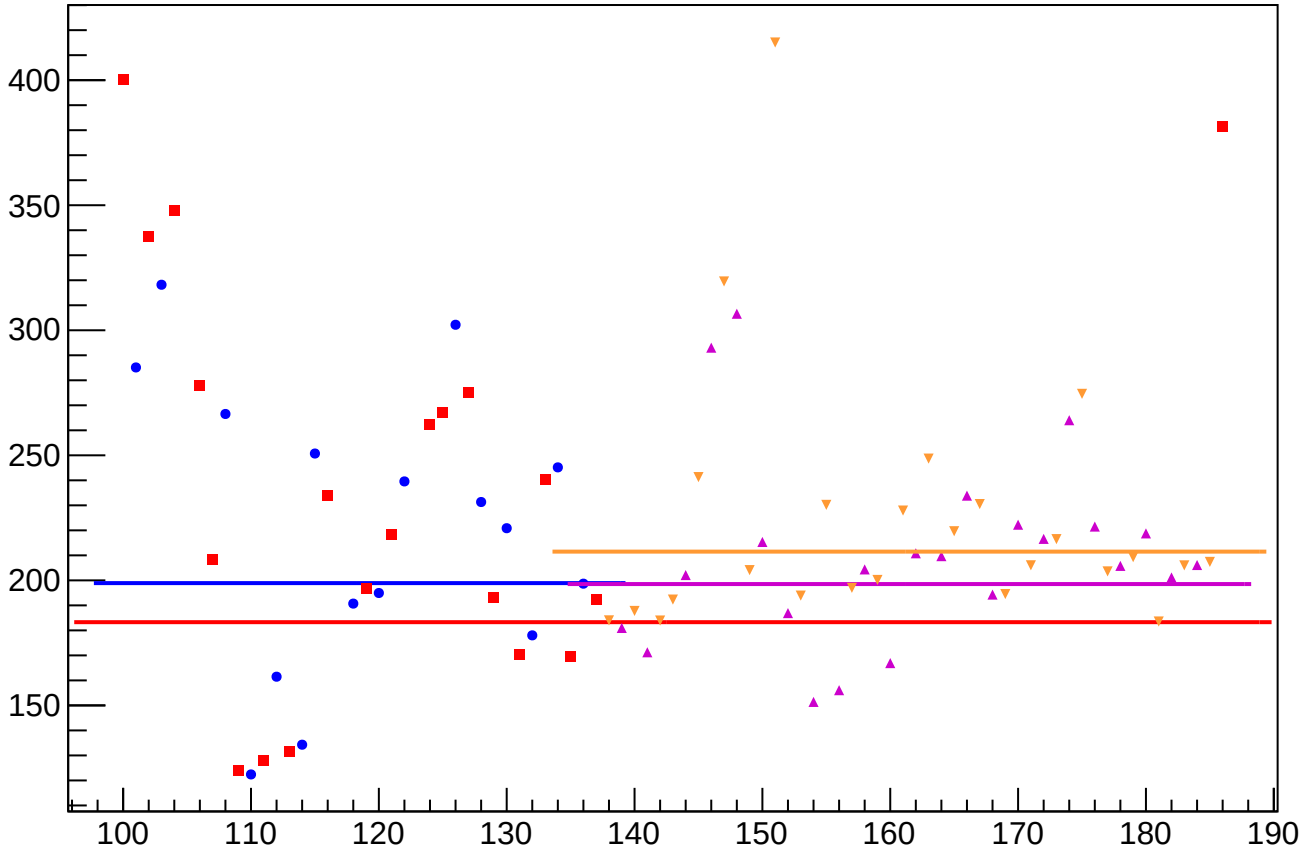
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 471.964+/-41.593 χ^2/NDF: 2592.6/40

All: 212.251+/-28.659 χ^2/NDF: 5550.5/83

- sign -22.502+/-39.543 χ^2/NDF: 2883.6/42

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 183.283+/-0.050 χ^2/NDF: 1659716.7/19

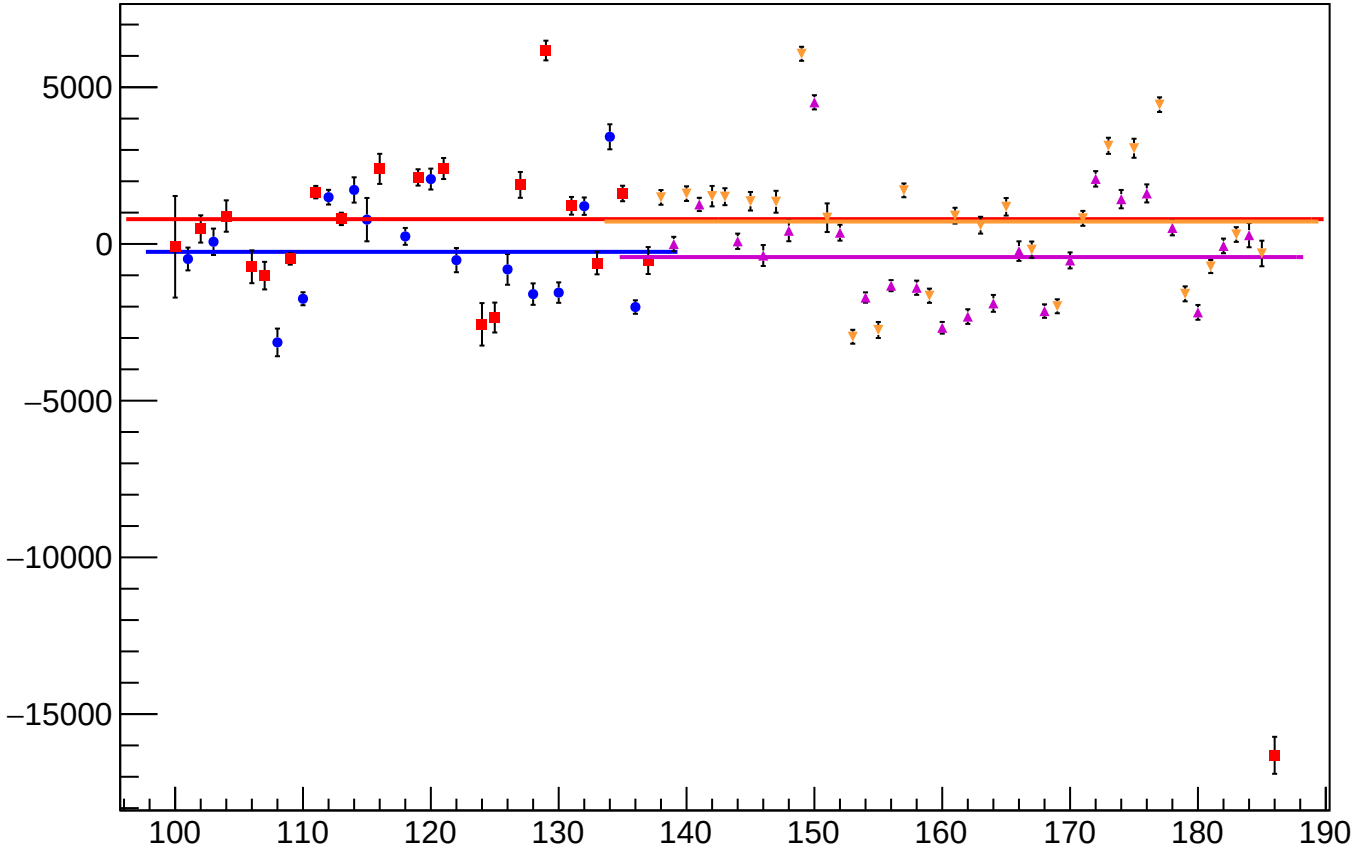
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 207.903+/-0.029 χ^2/NDF: 1885128.1/40

All: 200.446+/-0.020 χ^2/NDF: 4737930.7/83

- sign 193.706+/-0.028 χ^2/NDF: 2730412.2/42

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 791.057+/-71.656 χ^2/NDF: 1399.9/19

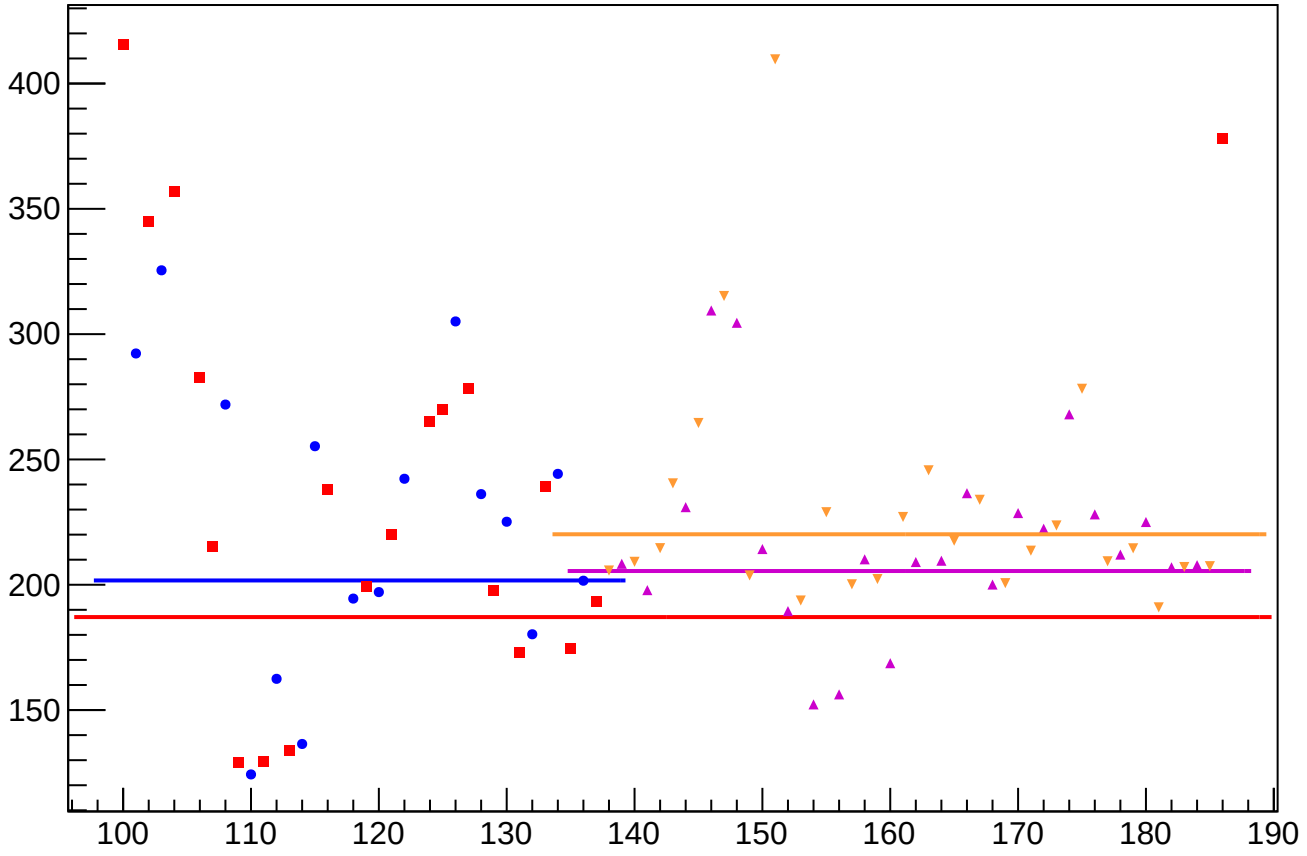
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 430.060+/-42.908 χ^2/NDF: 2465.0/40

All: 189.400+/-29.544 χ^2/NDF: 5358.5/83

- sign -27.556+/-40.740 χ^2/NDF: 2833.7/42

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 187.105+/-0.051 χ^2/NDF: 1616735.2/19

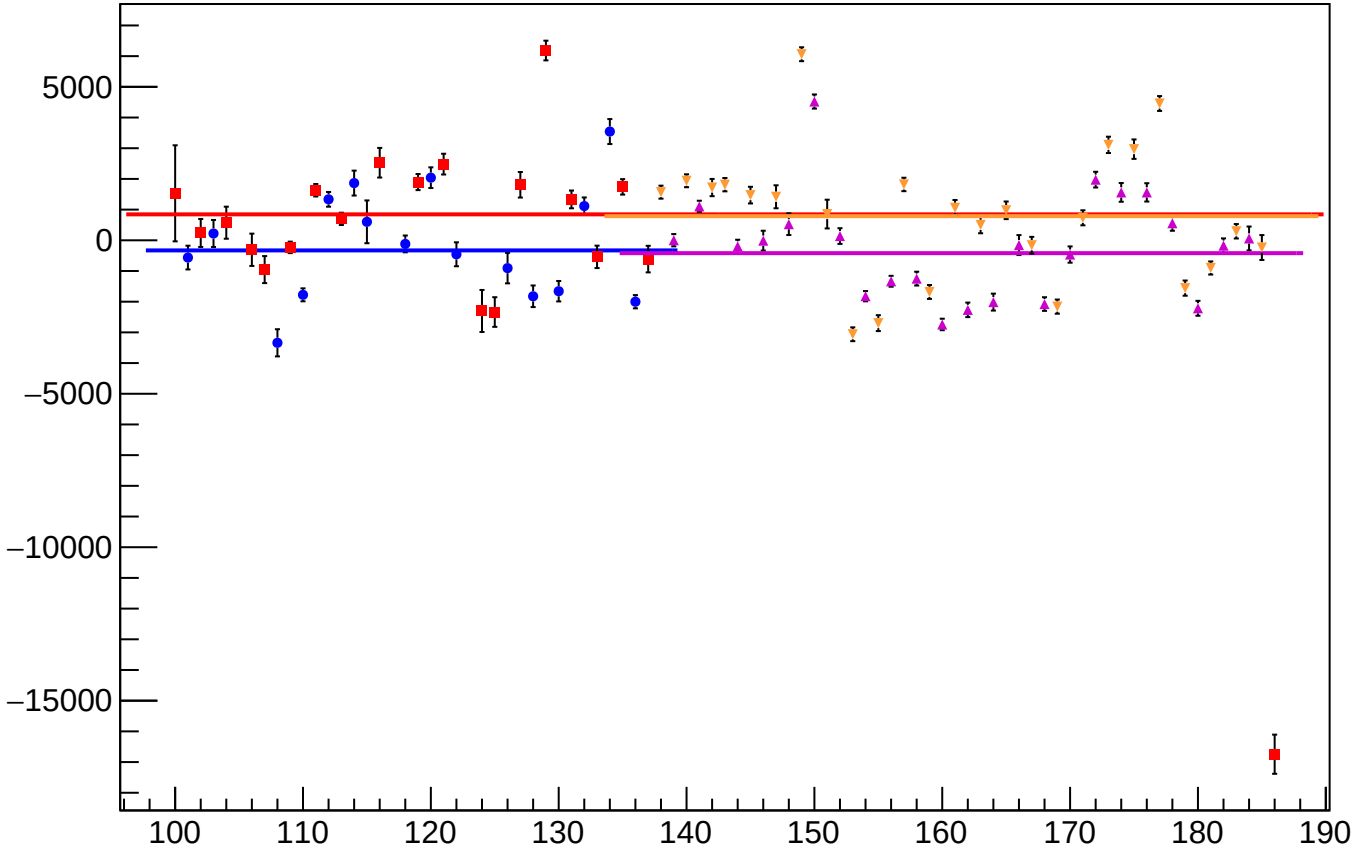
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

\+ sign 214.704+/-0.030 χ^2/NDF: 1800689.5/40

All: 206.730+/-0.021 χ^2/NDF: 4651758.6/83

\- sign 199.541+/-0.029 χ^2/NDF: 2719721.5/42

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 845.083+/-72.923 χ^2/NDF: 1272.0/19

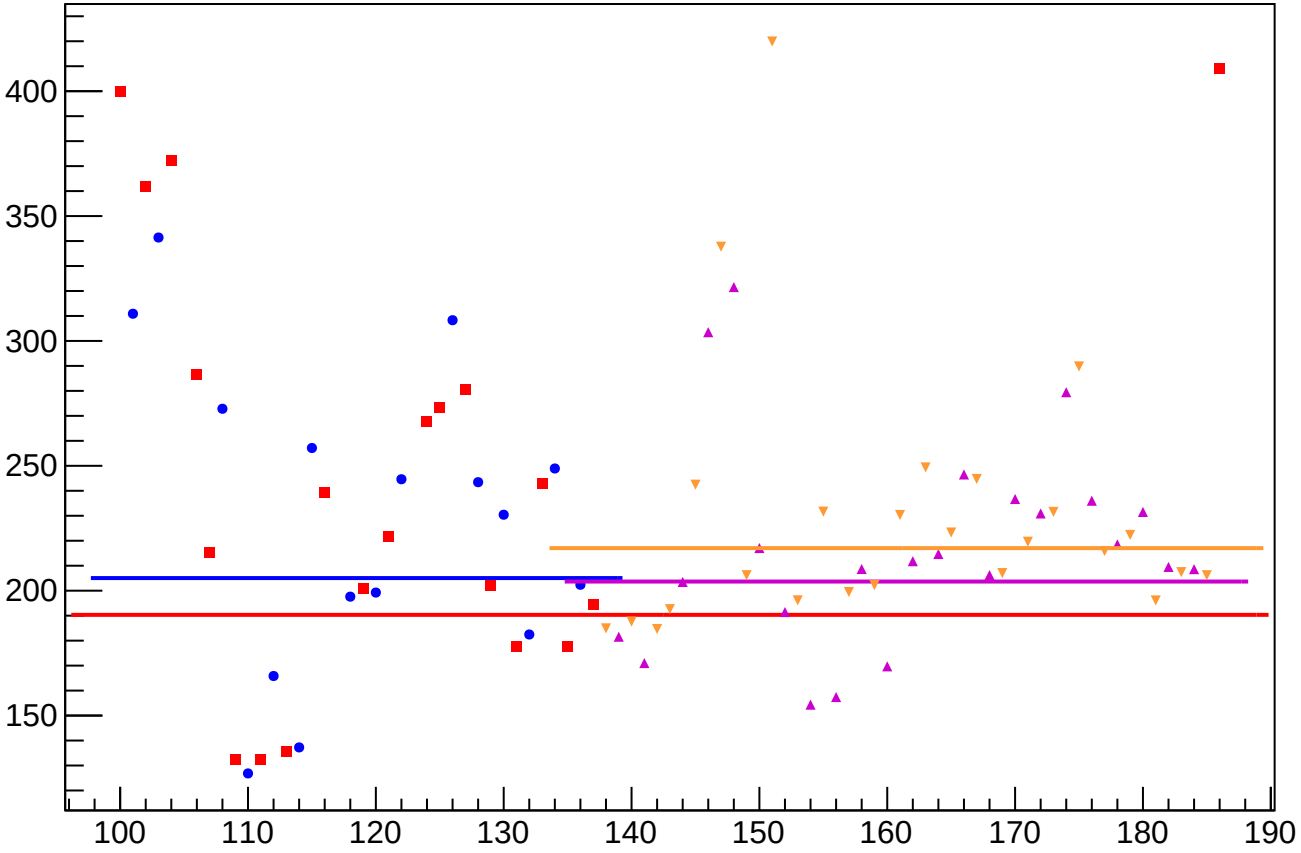
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 470.712+/-42.774 χ^2/NDF: 2512.2/40

All: 211.425+/-29.507 χ^2/NDF: 5271.9/83

- sign -23.999+/-40.758 χ^2/NDF: 2689.5/42

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 190.325+/-0.052 χ^2/NDF: 1648815.5/19

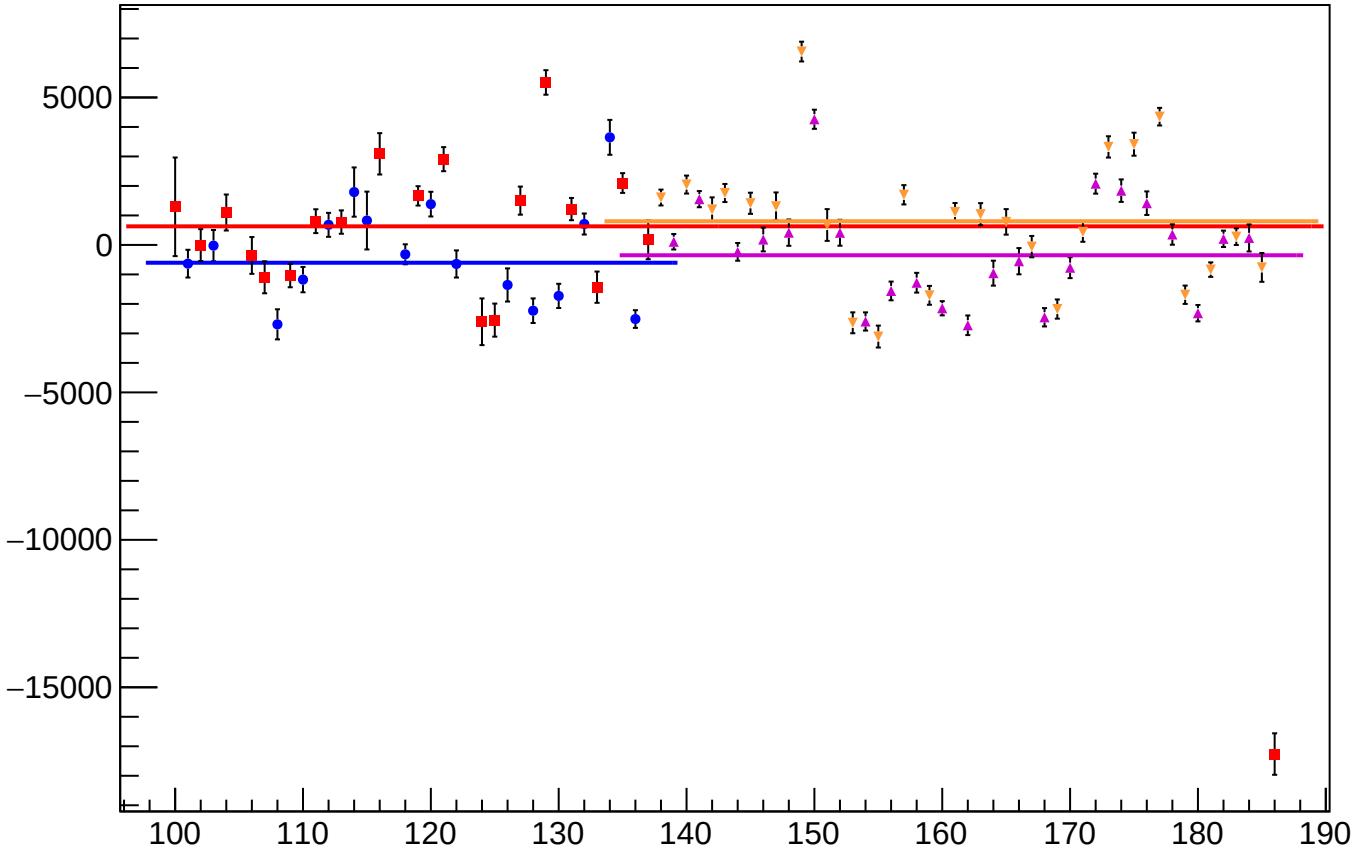
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 213.644+/-0.030 χ^2/NDF: 1978112.8/40

All: 206.228+/-0.021 χ^2/NDF: 4952961.1/83

- sign 199.494+/-0.029 χ^2/NDF: 2860134.4/42

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 630.587+/-107.003 χ^2/NDF: 960.3/19

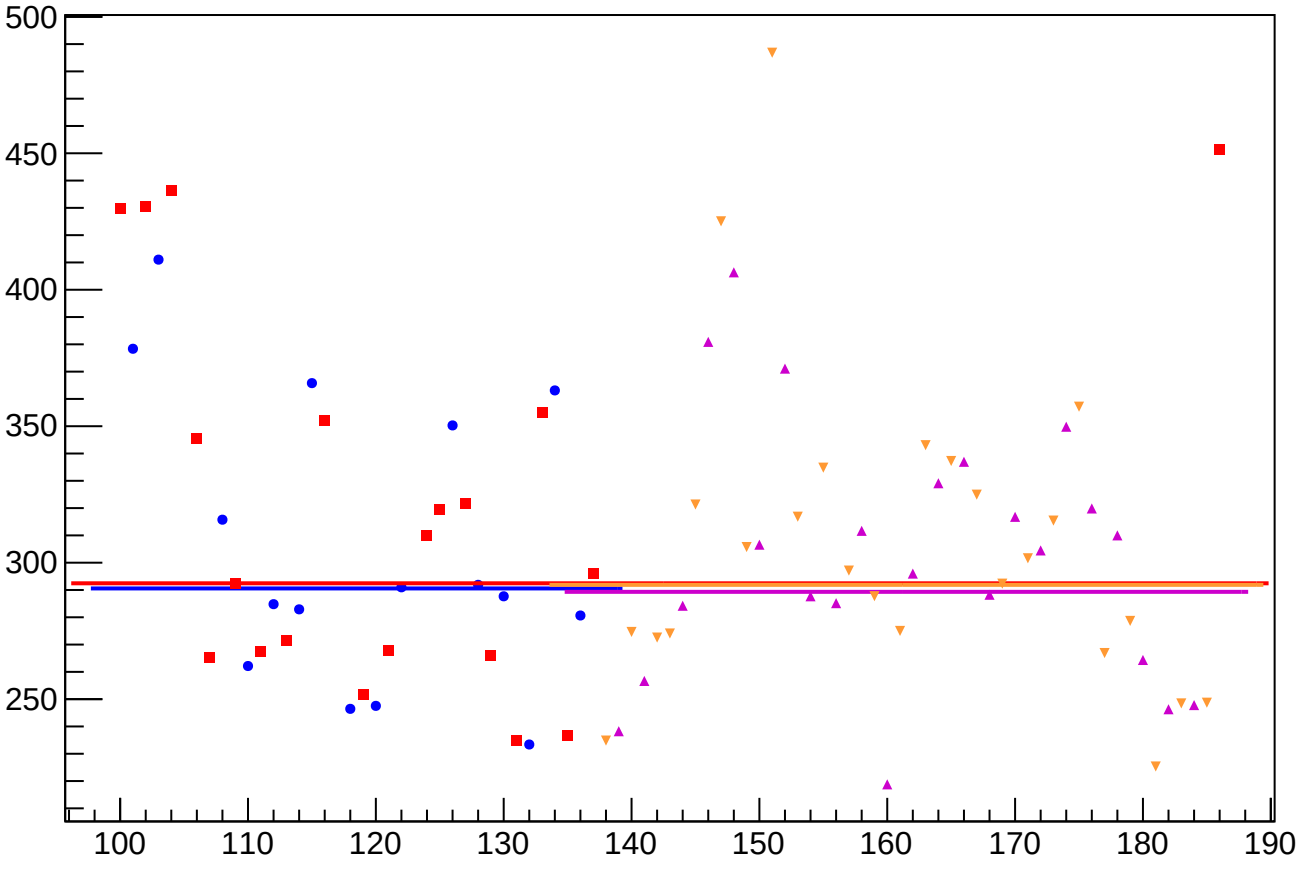
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 420.619+/-57.750 χ^2/NDF: 1368.9/40

All: 180.185+/-40.916 χ^2/NDF: 3079.4/83

- sign -62.165+/-57.980 χ^2/NDF: 1675.7/42

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 292.450+/-0.076 χ^2/NDF: 593568.4/19

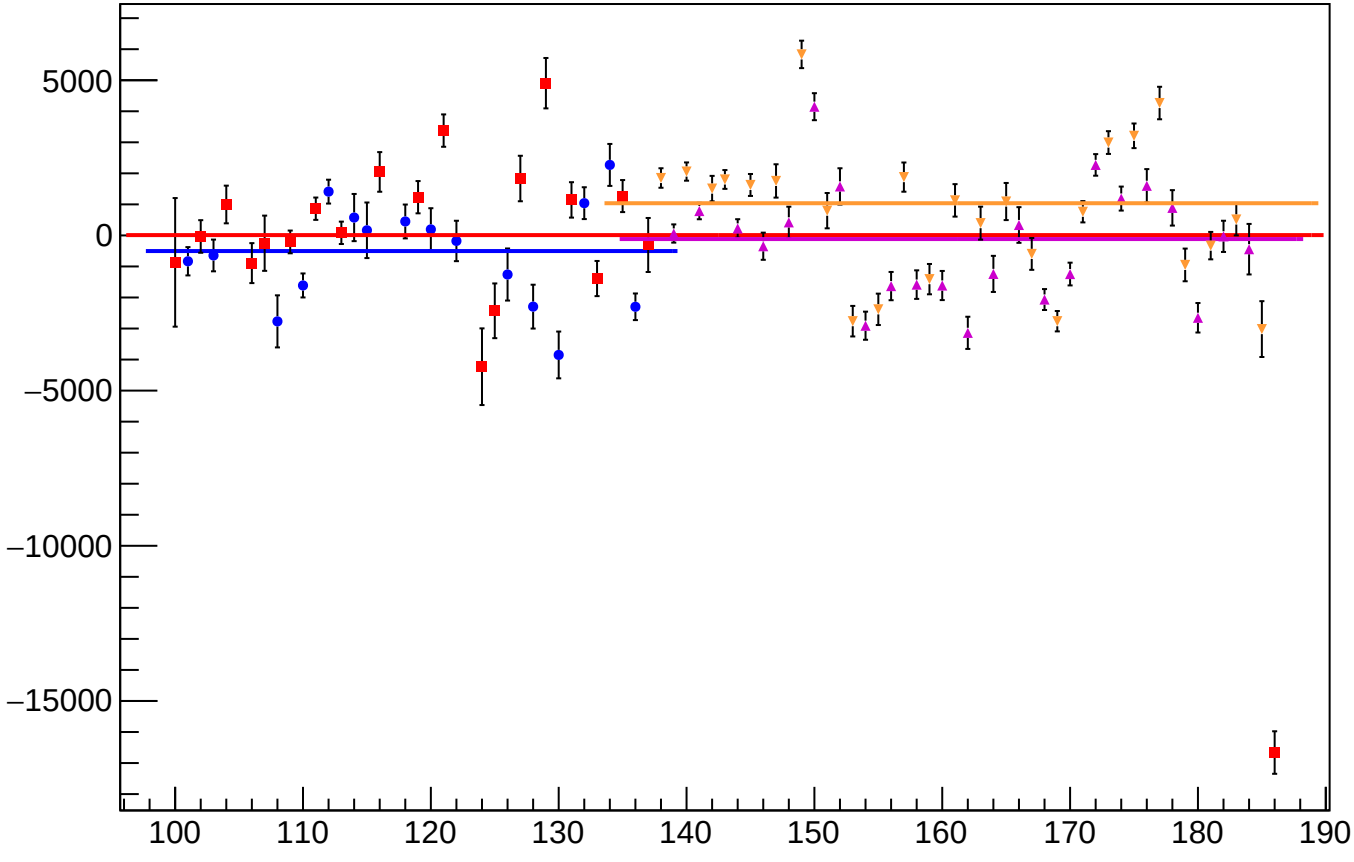
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 291.524+/-0.041 χ^2/NDF: 1319932.1/40

All: 290.884+/-0.029 χ^2/NDF: 2723807.0/83

- sign 290.240+/-0.041 χ^2/NDF: 1403382.2/42

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 10.439+/-127.351 χ^2/NDF: 738.3/19

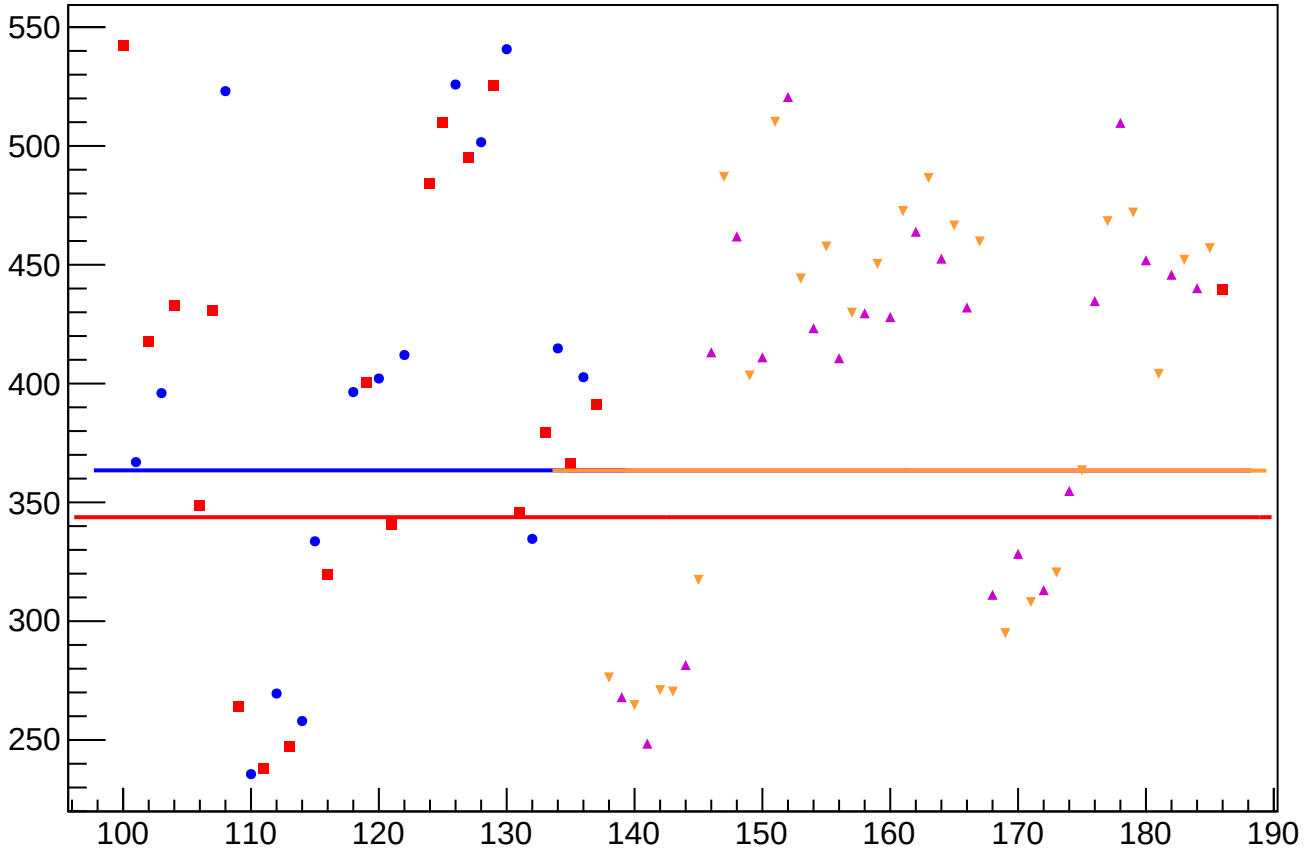
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 621.102+/-72.790 χ^2/NDF: 776.8/40

All: 269.061+/-51.223 χ^2/NDF: 1932.4/83

- sign -76.300+/-72.096 χ^2/NDF: 1109.3/42

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 343.756+/-0.090 χ^2/NDF: 896644.4/19

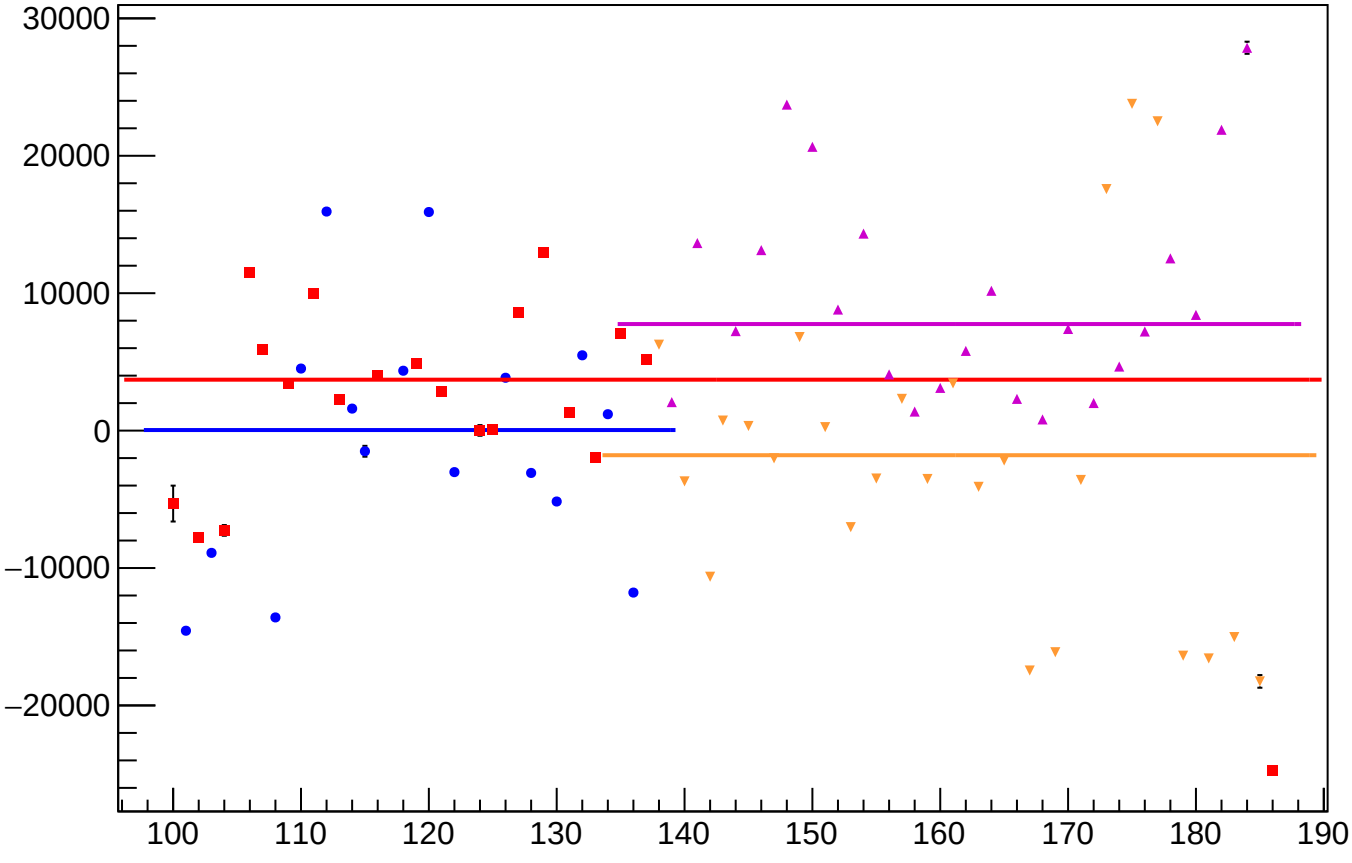
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 363.410+/-0.051 χ^2/NDF: 2721391.1/40

All: 360.222+/-0.036 χ^2/NDF: 5369522.4/83

- sign 357.095+/-0.051 χ^2/NDF: 2640533.3/42

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3705.891+/-51.218 χ^2/NDF: 18474.1/19

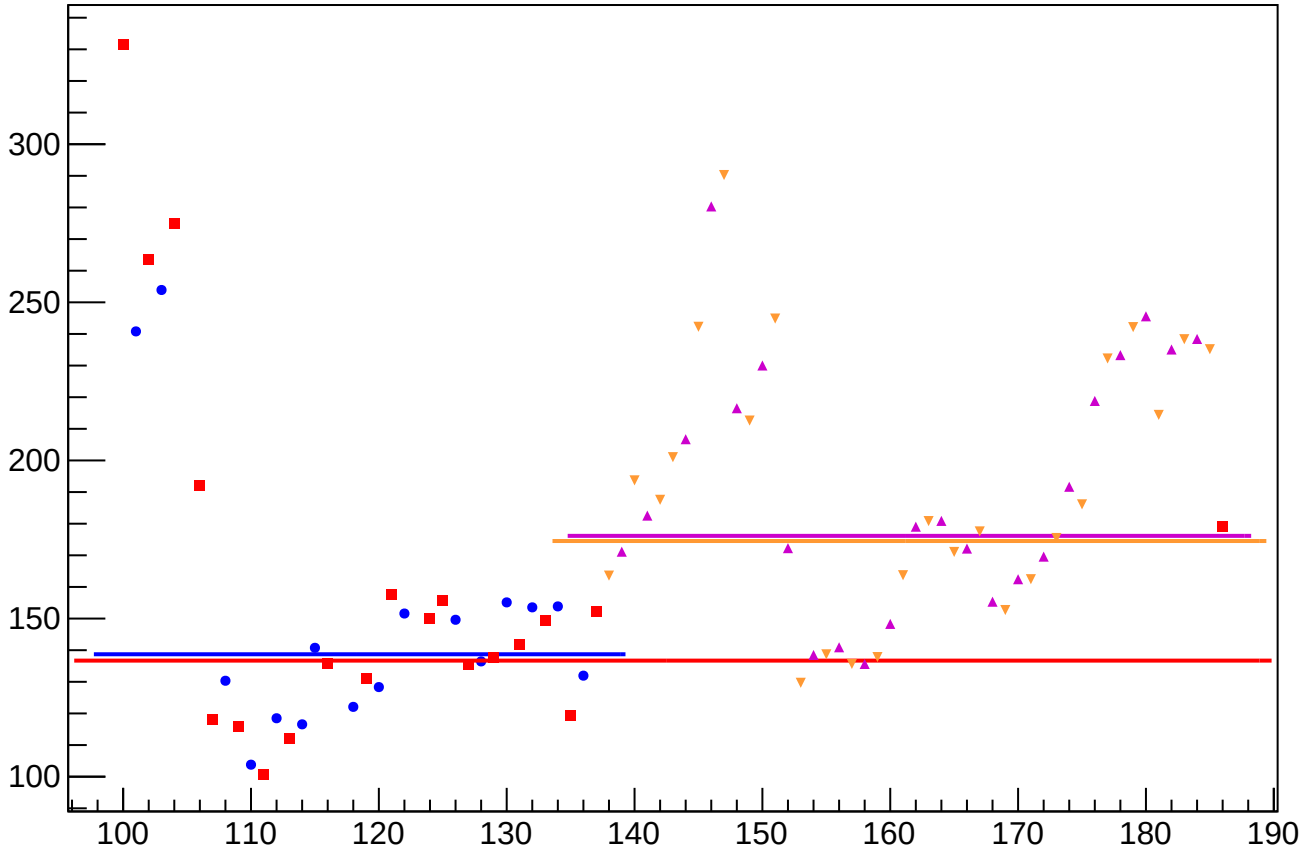
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign -1125.646+/-32.652 χ^2/NDF: 97259.4/40

All: 2477.779+/-23.119 χ^2/NDF: 167128.8/83

- sign 6100.281+/-32.739 χ^2/NDF: 45447.5/42

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 136.705+/-0.036 χ^2/NDF: 937076.9/19

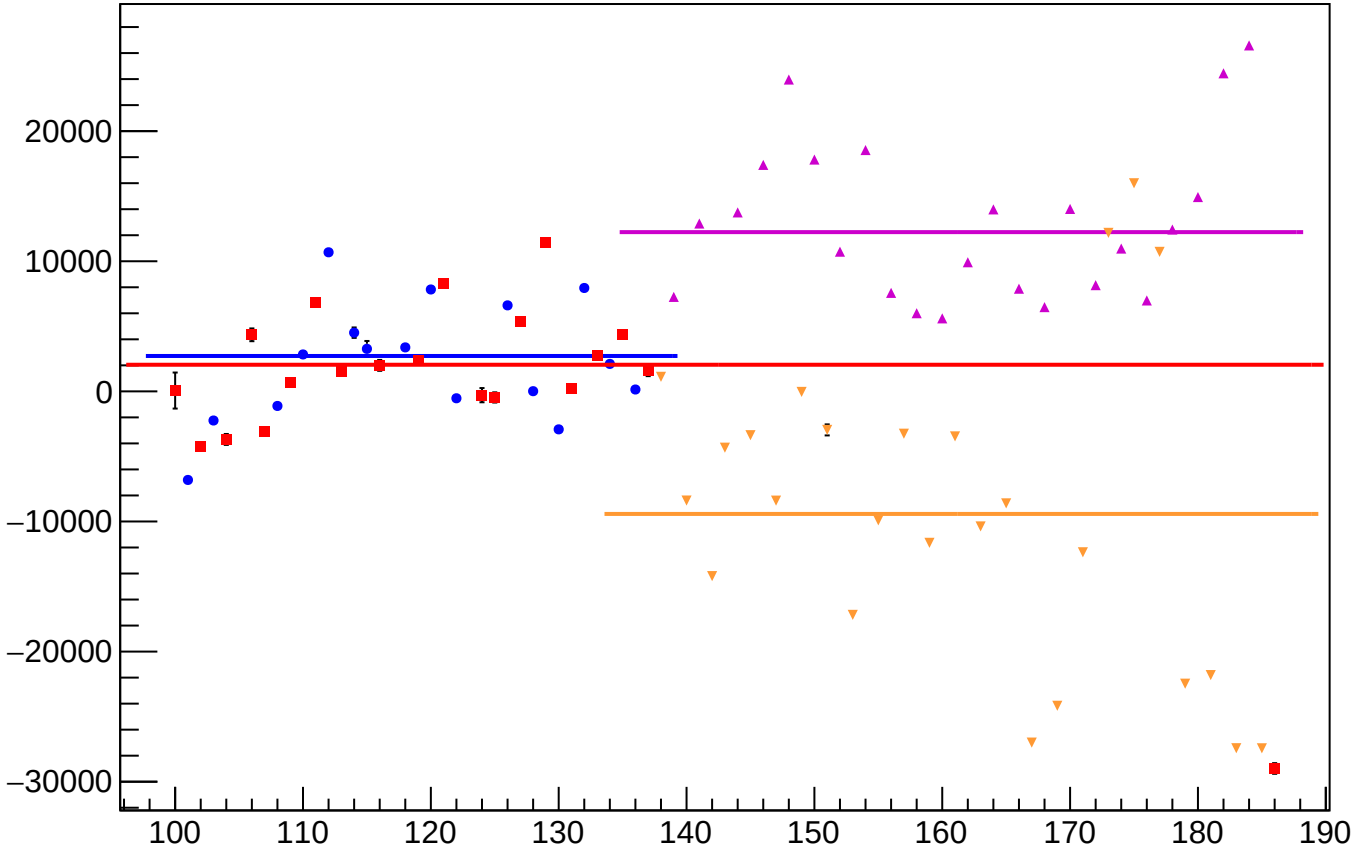
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 161.524+/-0.023 χ^2/NDF: 2873416.1/40

All: 160.782+/-0.016 χ^2/NDF: 5881329.3/83

- sign 160.036+/-0.023 χ^2/NDF: 3005843.6/42

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 2045.788+/-64.052 χ^2/NDF: 8946.0/19

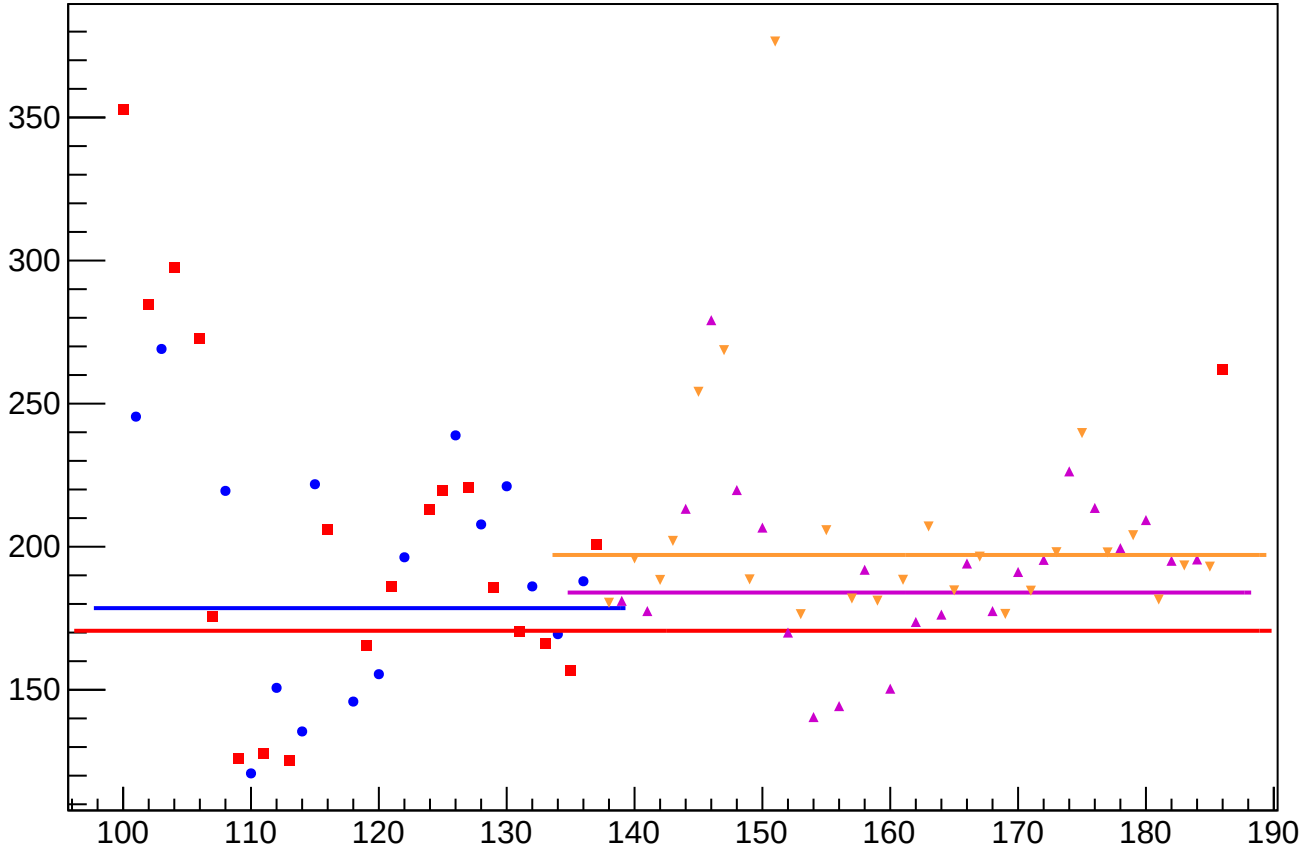
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

\+ sign -5737.117+/-38.141 χ^2/NDF: 90259.3/40

All: 1954.710+/-26.324 χ^2/NDF: 210039.8/83

\- sign 8951.170+/-36.376 χ^2/NDF: 42117.8/42

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 170.626+/-0.045 χ^2/NDF: 1081569.4/19

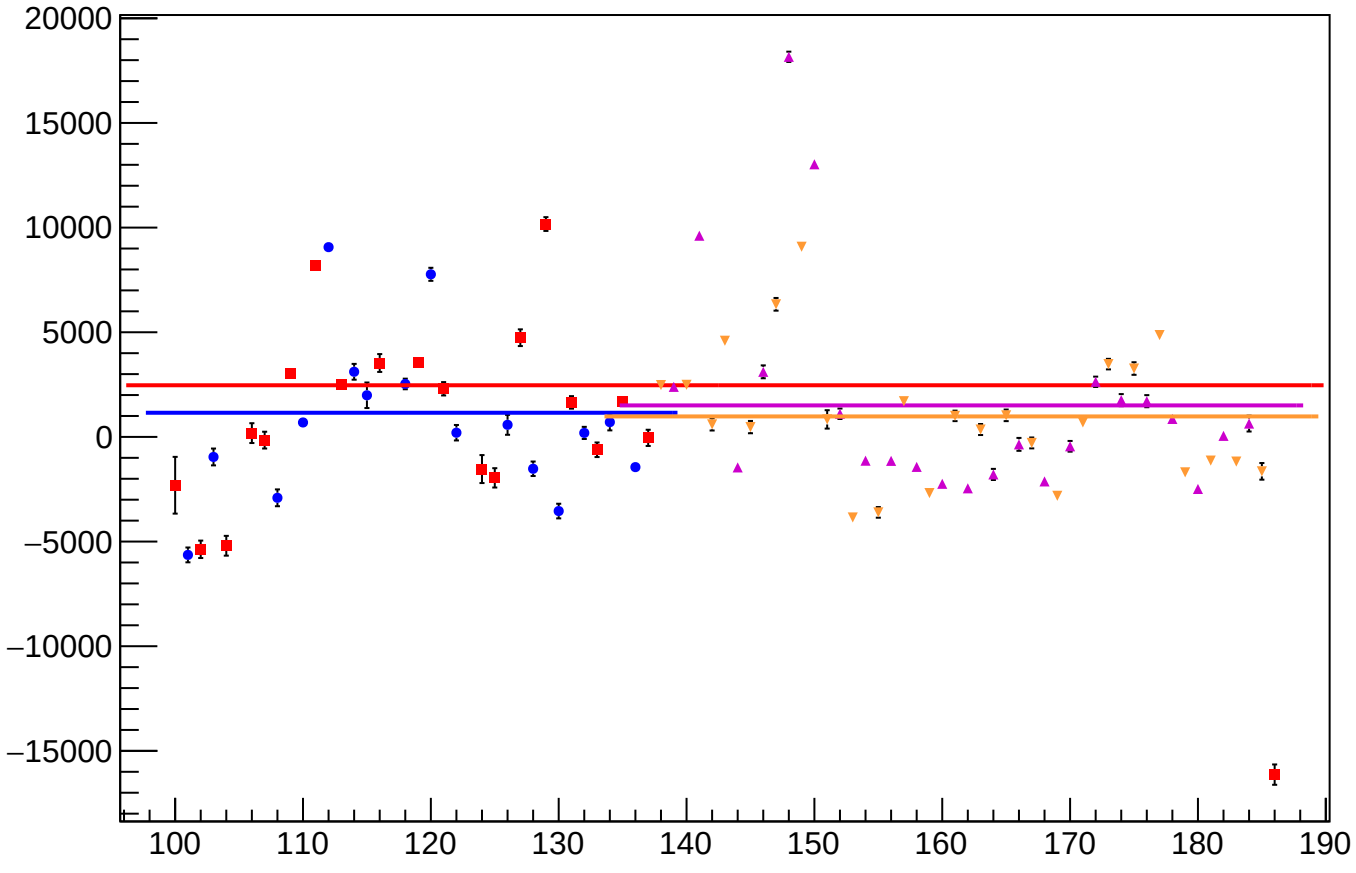
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.485+/-0.027 χ^2/NDF: 1507413.8/40

All: 185.301+/-0.019 χ^2/NDF: 3578094.7/83

- sign 179.677+/-0.026 χ^2/NDF: 1970290.5/42

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 2467.471+/-68.450 χ^2/NDF: 3947.7/19

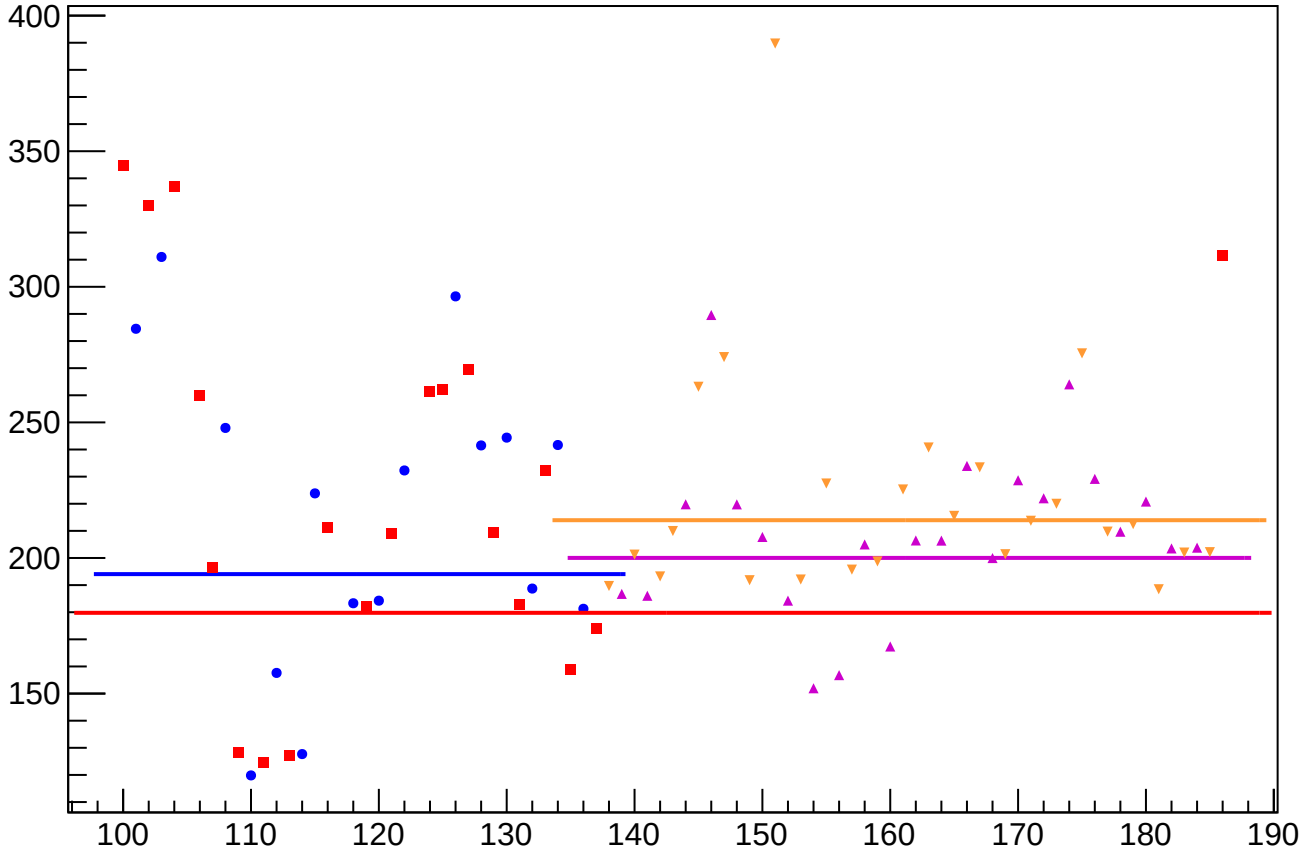
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 1030.871+/-41.534 χ^2/NDF: 6982.0/40

All: 1448.413+/-28.557 χ^2/NDF: 22734.4/83

- sign 1822.784+/-39.328 χ^2/NDF: 15560.7/42

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

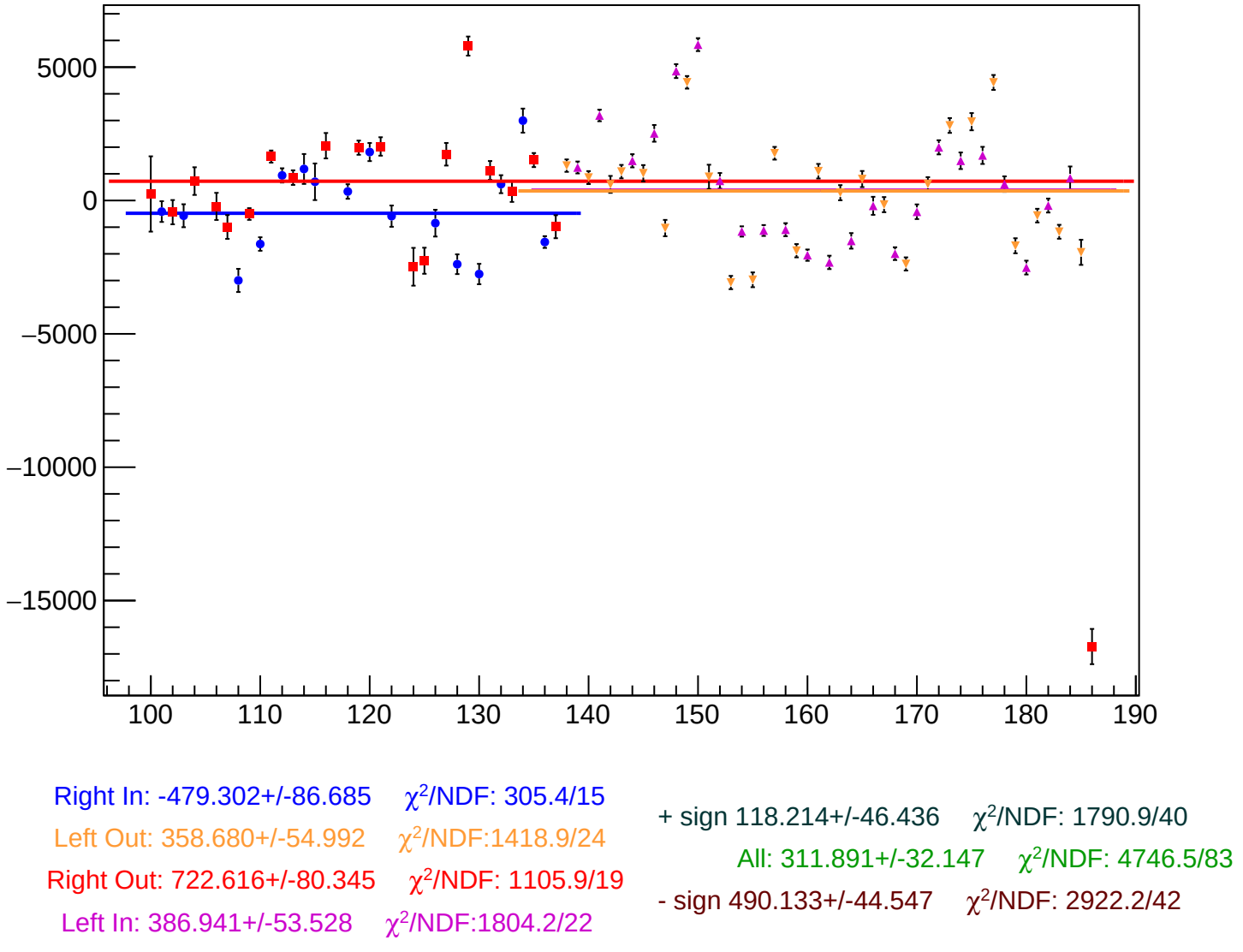
Right Out: 179.780+/-0.048 χ^2/NDF: 1509152.2/19

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

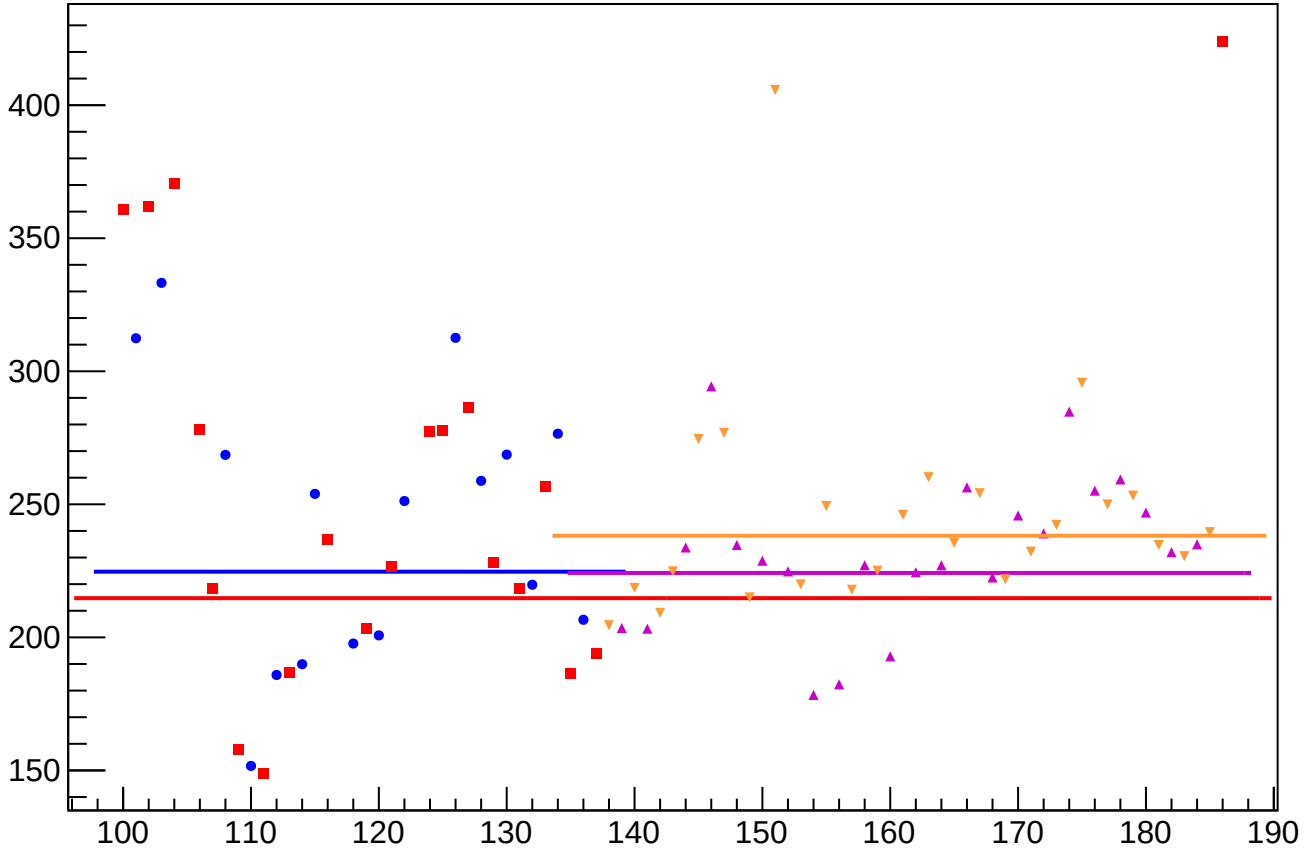
+ sign 207.988+/-0.029 χ^2/NDF: 1795446.7/40

All: 200.268+/-0.020 χ^2/NDF: 4338442.2/83

- sign 193.346+/-0.028 χ^2/NDF: 2411942.2/42


asym_bpm0i07WS_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -479.302+/-86.685 χ²/NDF: 305.4/15
Left Out: 358.680+/-54.992 χ²/NDF:1418.9/24
Right Out: 722.616+/-80.345 χ²/NDF: 1105.9/19
Left In: 386.941+/-53.528 χ²/NDF:1804.2/22
+ sign 118.214+/-46.436 χ²/NDF: 1790.9/40
All: 311.891+/-32.147 χ²/NDF: 4746.5/83
- sign 490.133+/-44.547 χ²/NDF: 2922.2/42

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 214.733+/-0.057 χ^2/NDF: 1136119.8/19

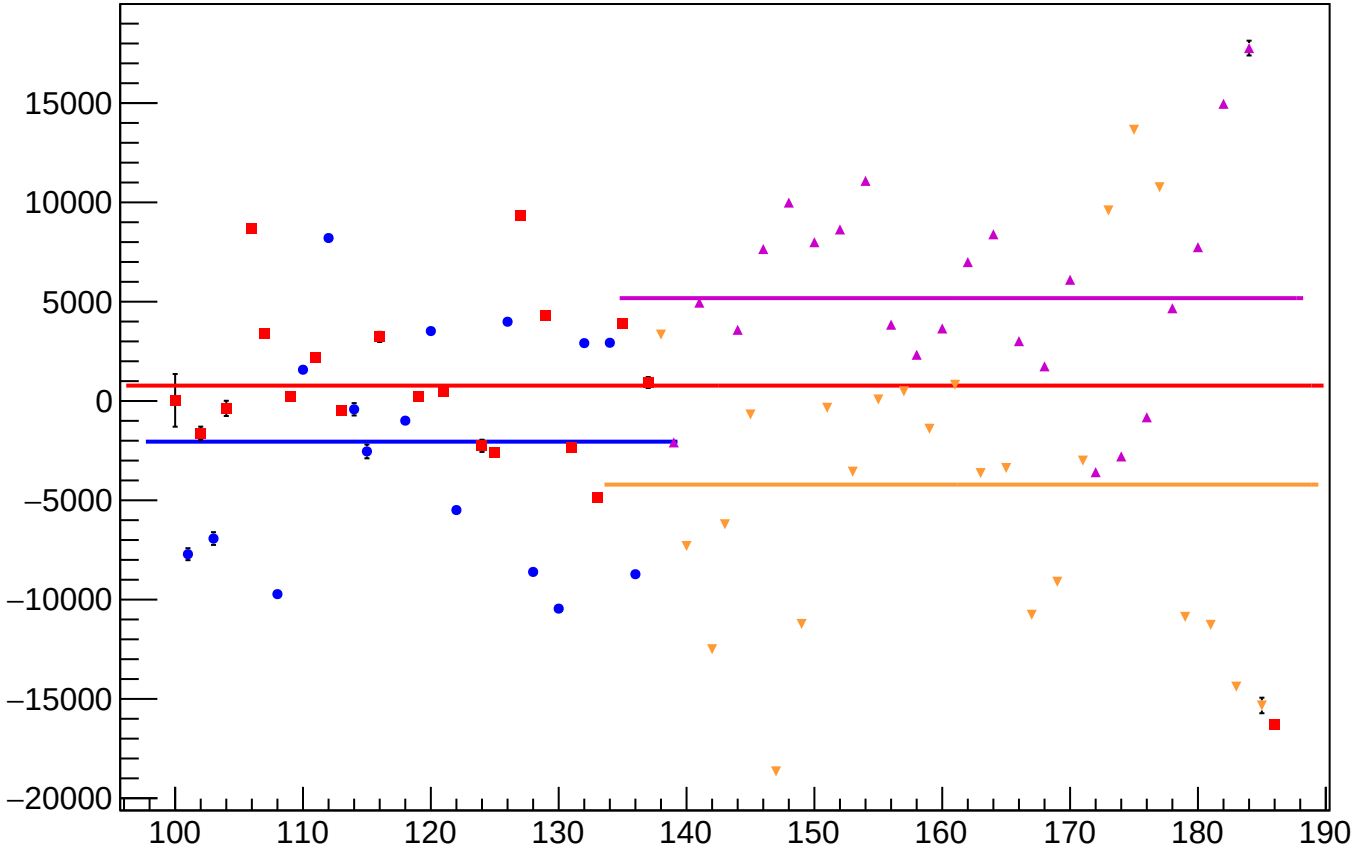
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 234.321+/-0.033 χ^2/NDF: 1255801.5/40

All: 227.539+/-0.023 χ^2/NDF: 3056346.8/83

- sign 221.298+/-0.031 χ^2/NDF: 1718632.3/42

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 774.895+/-43.891 χ^2/NDF: 12215.7/19

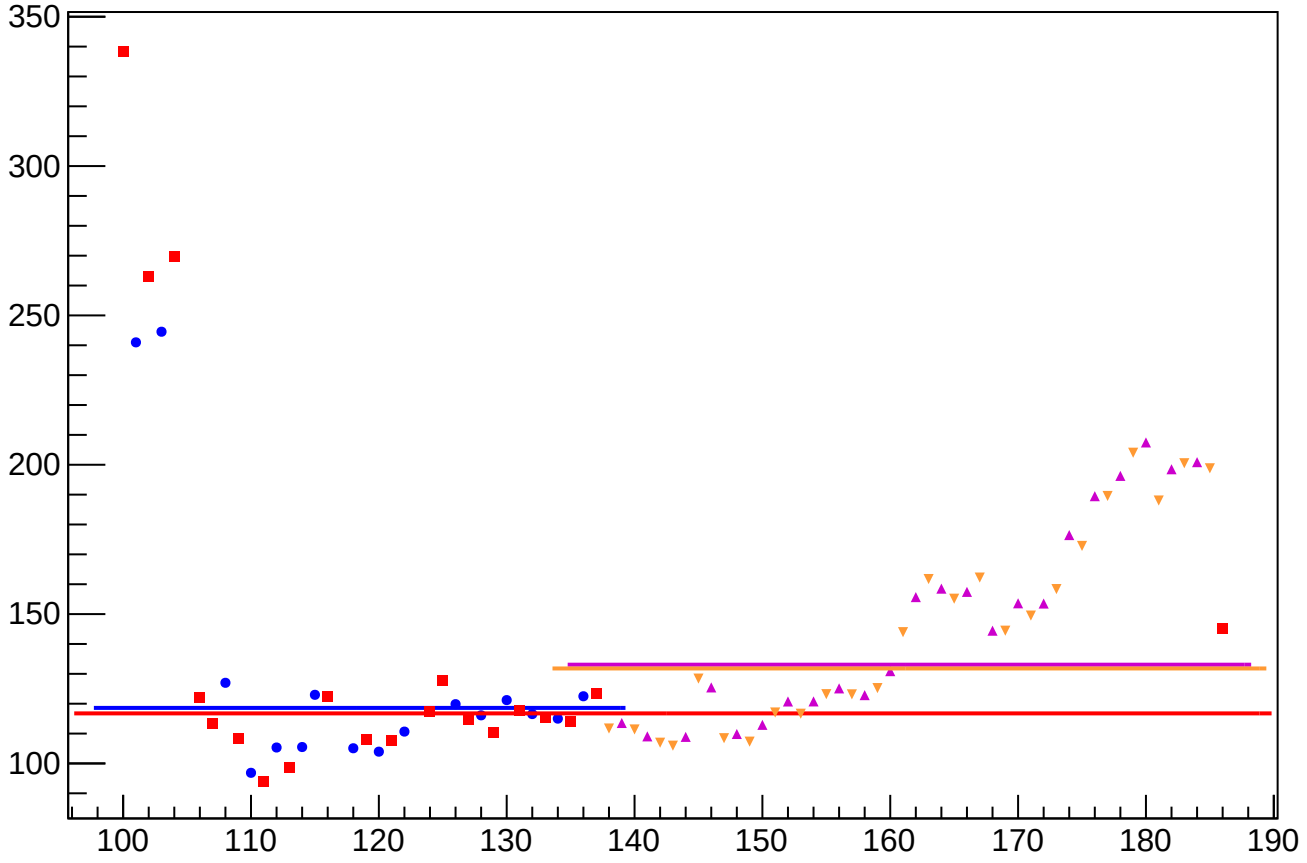
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -3554.428+/-25.732 χ^2/NDF: 75005.4/40

All: 33.423+/-18.234 χ^2/NDF: 151387.6/83

- sign 3651.855+/-25.841 χ^2/NDF: 37333.1/42

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 116.757+/-0.031 χ^2/NDF: 896652.7/19

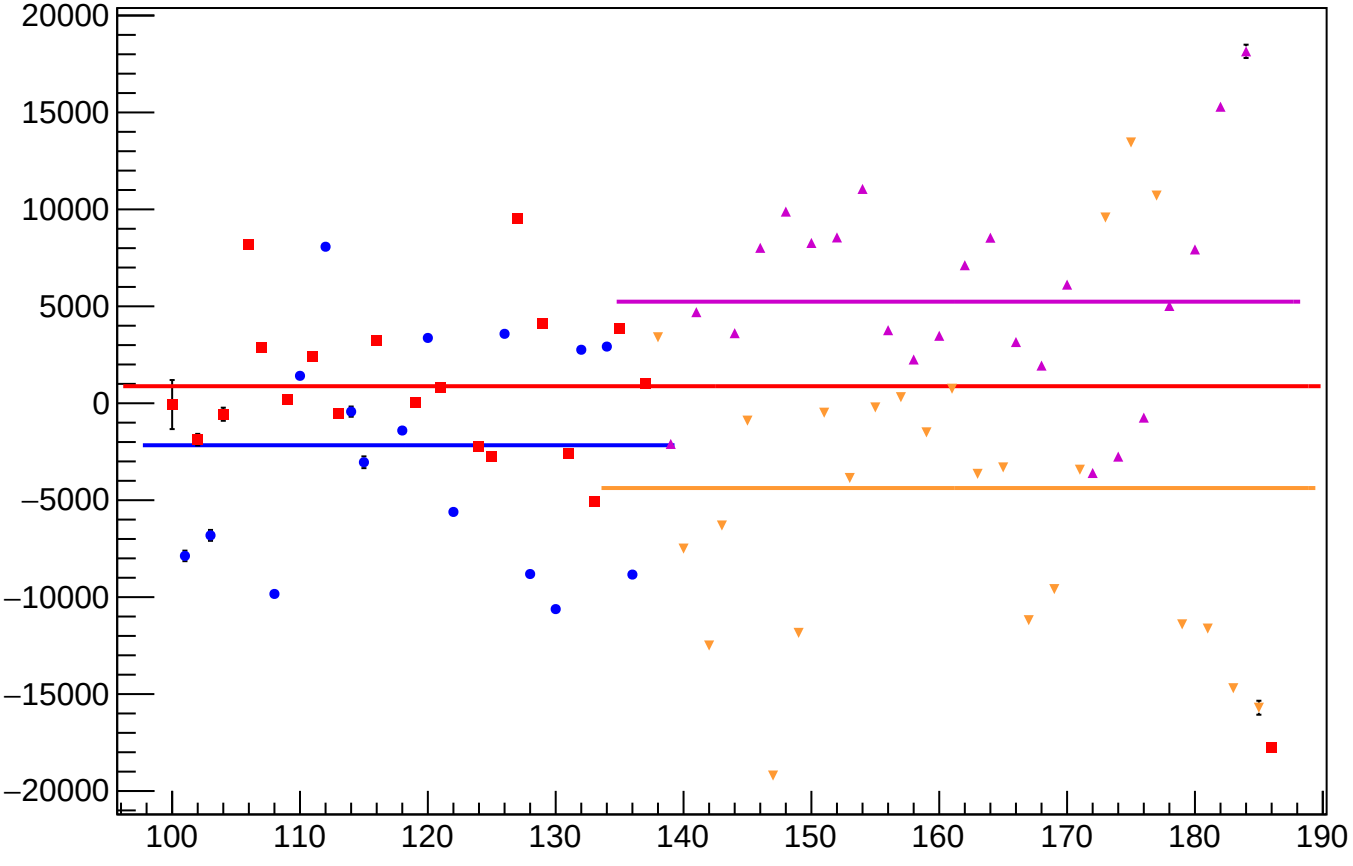
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 127.793+/-0.018 χ^2/NDF: 2389745.5/40

All: 127.602+/-0.013 χ^2/NDF: 4885180.8/83

- sign 127.410+/-0.018 χ^2/NDF: 2495214.1/42

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: 879.755+/-37.473 χ^2/NDF: 15824.7/19

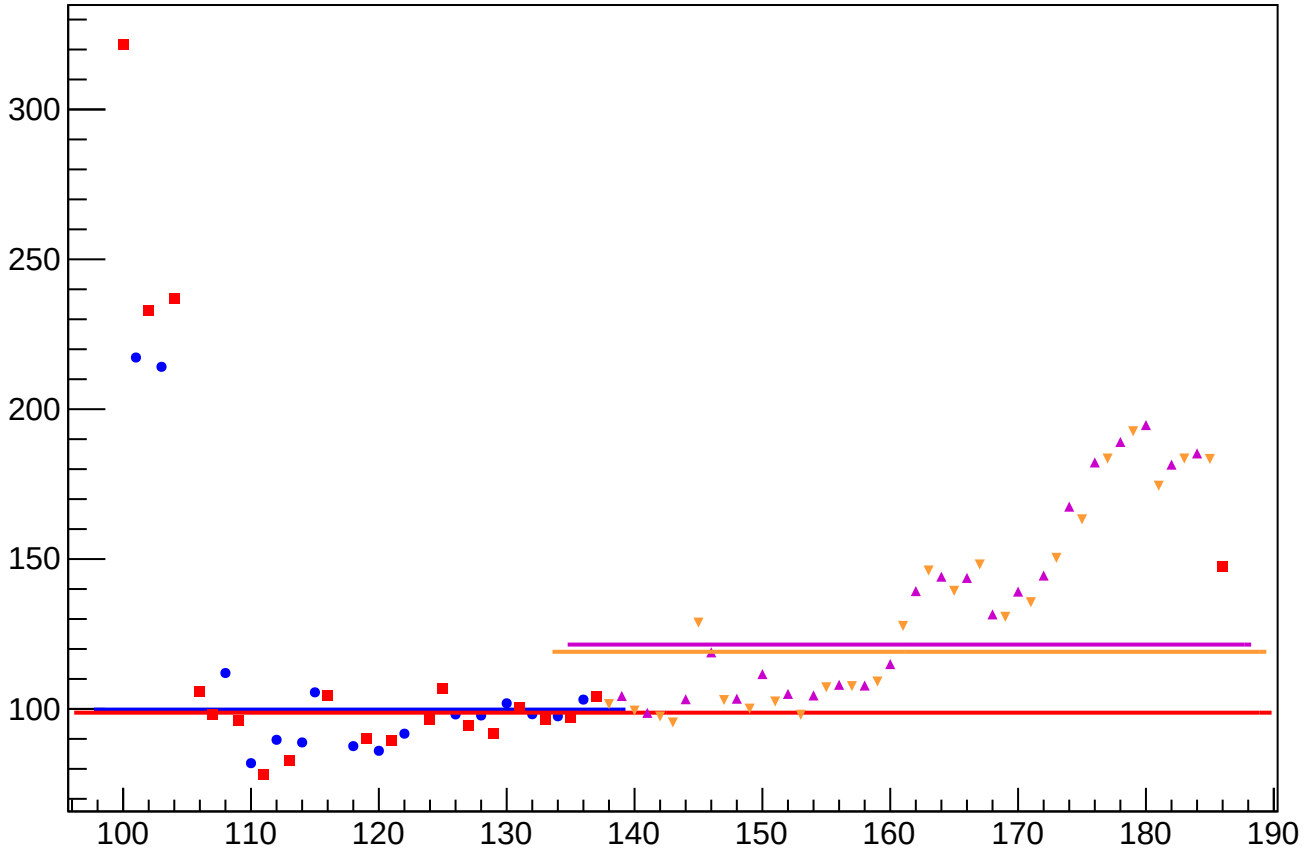
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -3639.528+/-22.844 χ^2/NDF: 92163.9/40

All: -59.010+/-16.228 χ^2/NDF: 188269.6/83

- sign 3588.937+/-23.058 χ^2/NDF: 46509.8/42

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 98.748+/-0.026 χ^2/NDF: 1017951.0/19

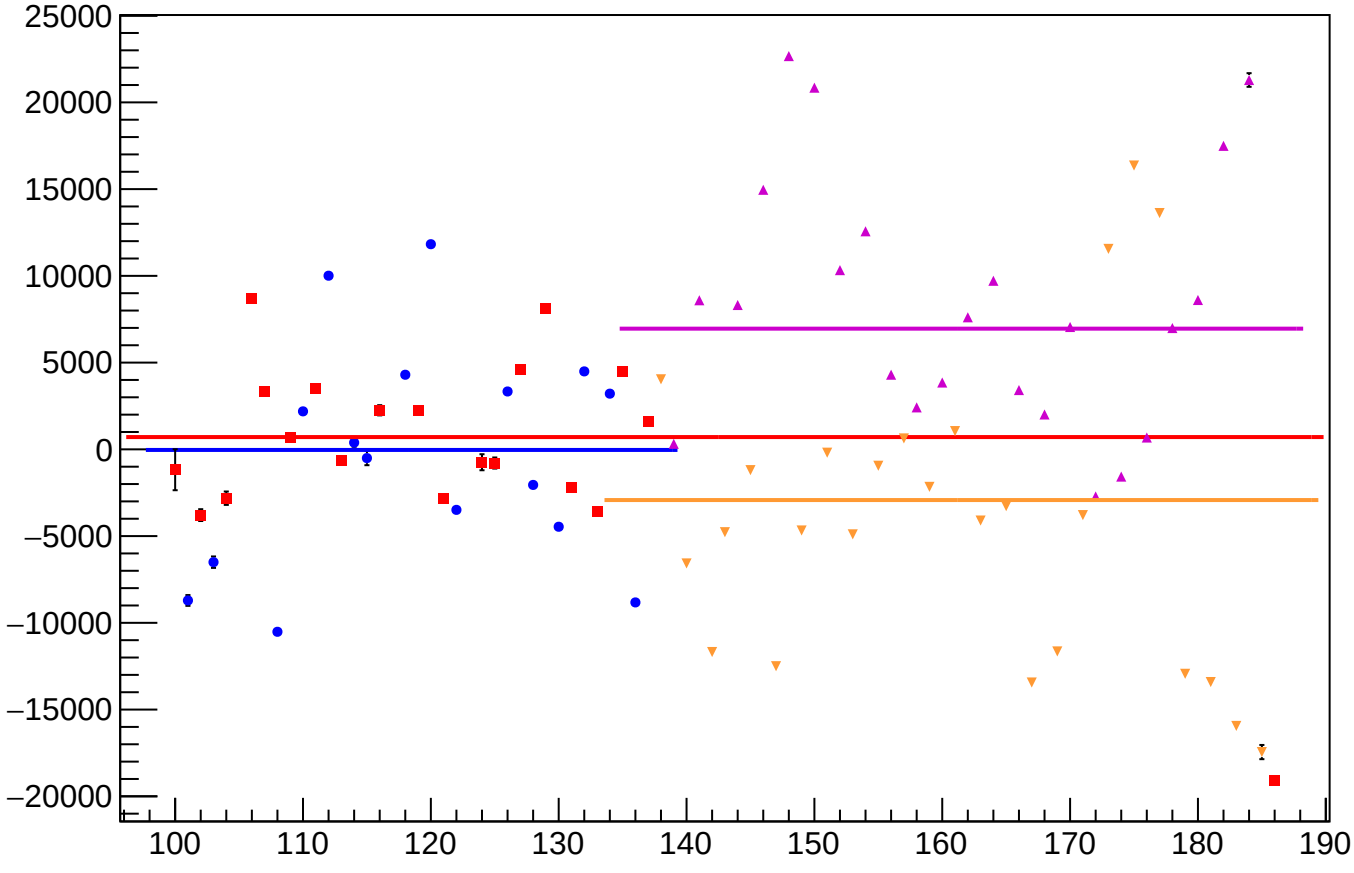
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 112.655+/-0.016 χ^2/NDF: 2880961.5/40

All: 112.759+/-0.011 χ^2/NDF: 5885209.1/83

- sign 112.865+/-0.016 χ^2/NDF: 3004163.9/42

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 707.856+/-50.989 χ^2/NDF: 9813.0/19

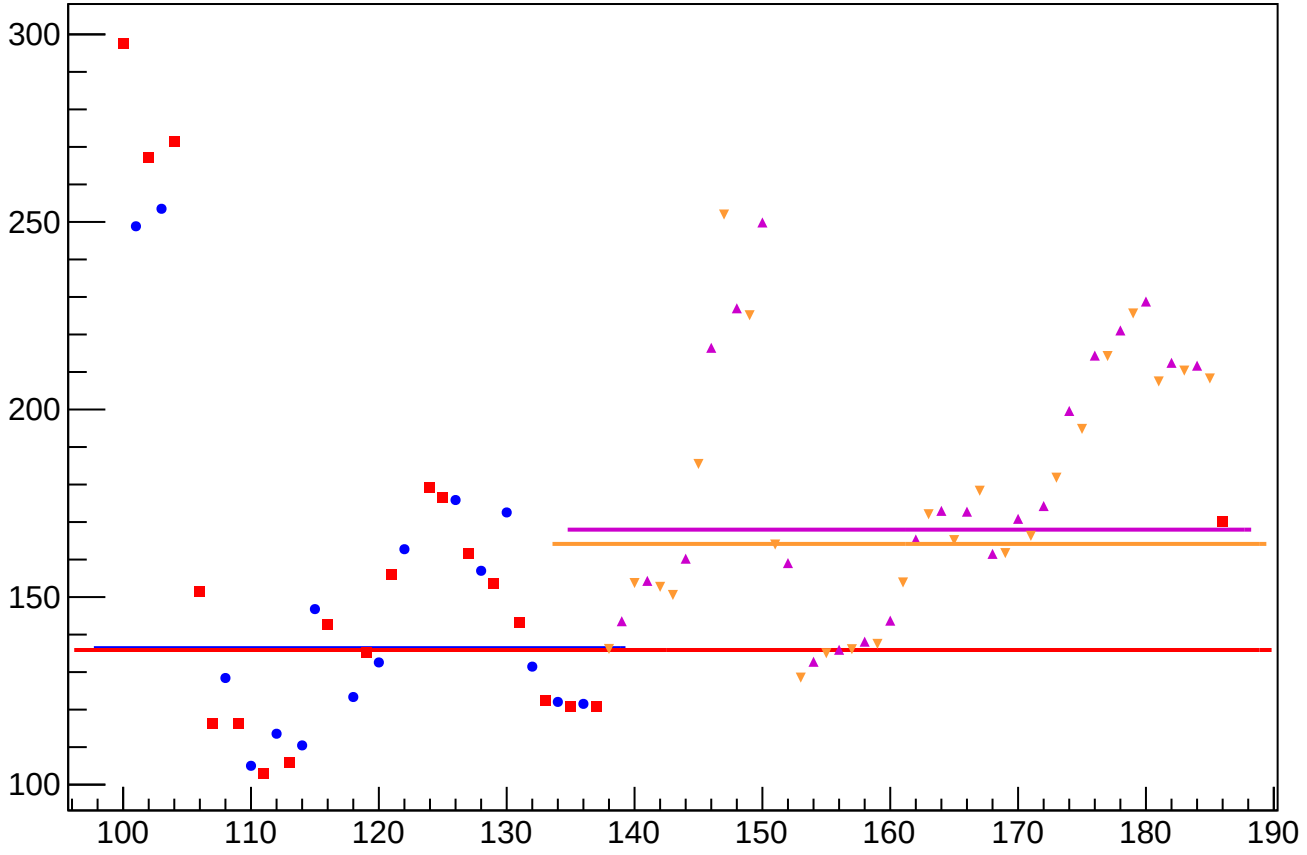
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign -1947.409+/-31.074 χ^2/NDF: 56787.9/40

All: 1251.745+/-22.153 χ^2/NDF: 119749.2/83

- sign 4558.237+/-31.591 χ^2/NDF: 41406.5/42

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

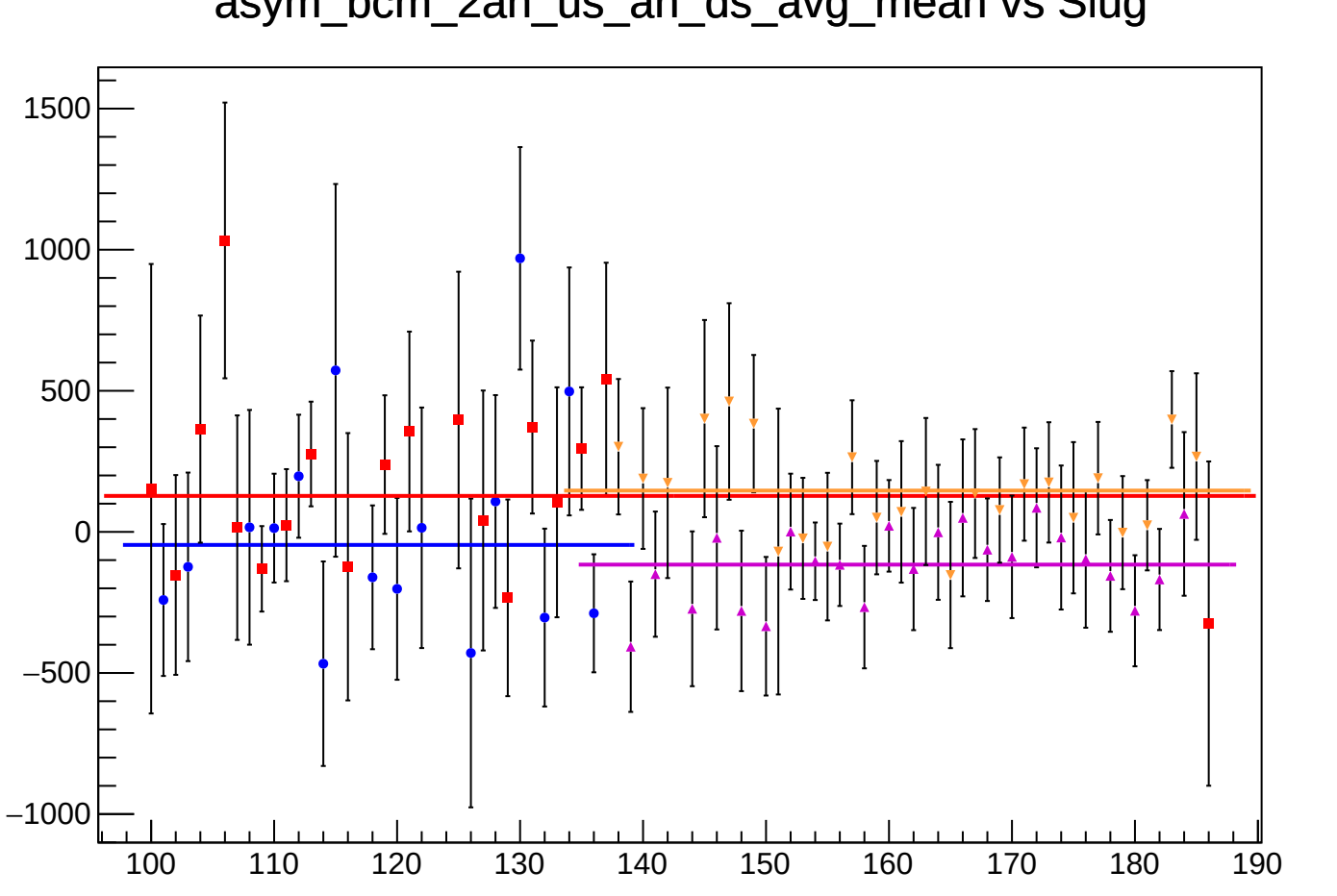
Right Out: 135.894+/-0.036 χ^2/NDF: 953684.6/19

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

\+ sign 154.786+/-0.022 χ^2/NDF: 2379051.8/40

All: 155.216+/-0.016 χ^2/NDF: 5044094.0/83

\- sign 155.661+/-0.022 χ^2/NDF: 2664262.1/42



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 127.499+/-67.934 χ^2/NDF: 13.5/18

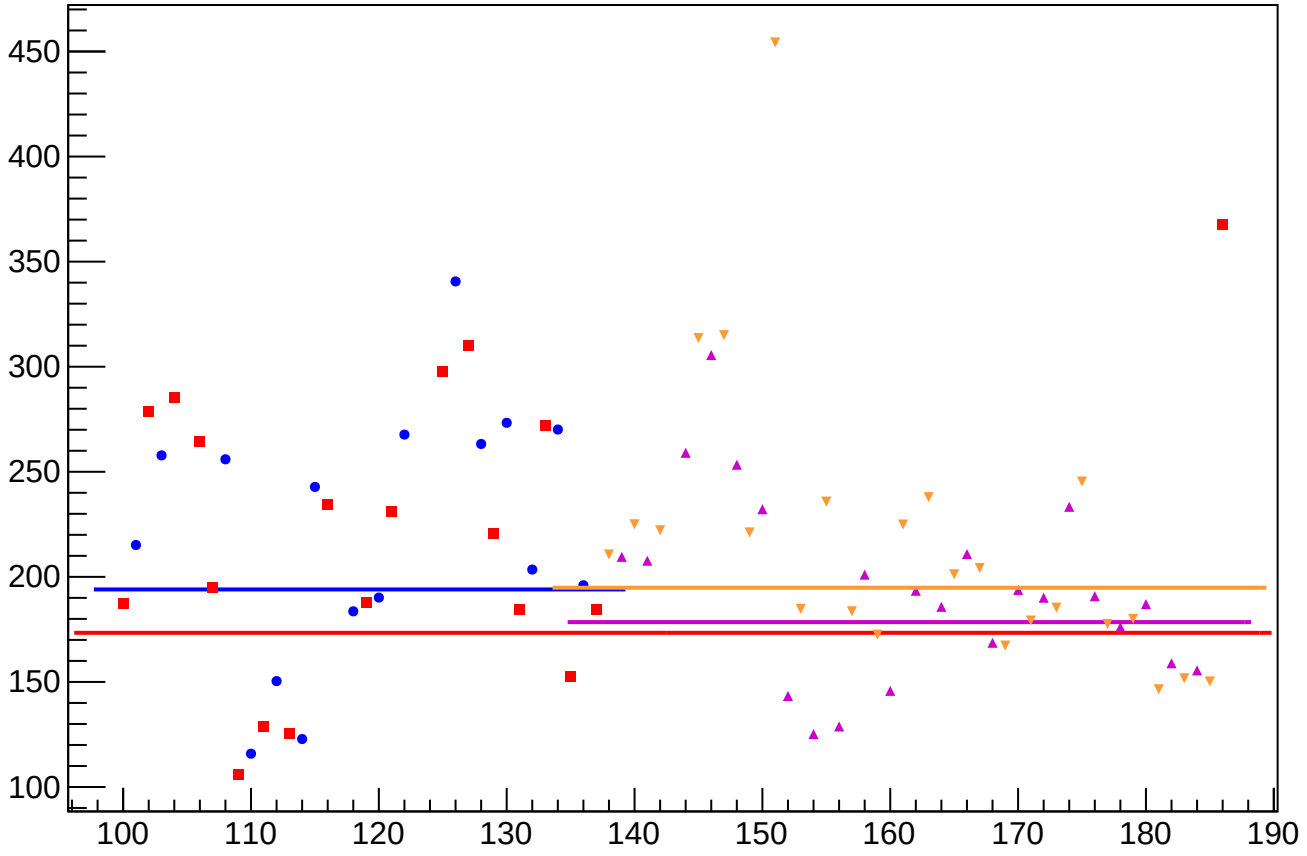
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign 93.486+/-39.971 χ^2/NDF: 30.0/39

All: 18.375+/-27.032 χ^2/NDF: 66.7/81

- sign -44.933+/-36.696 χ^2/NDF: 30.2/41

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 173.374+/-0.048 χ^2/NDF: 1825089.1/18

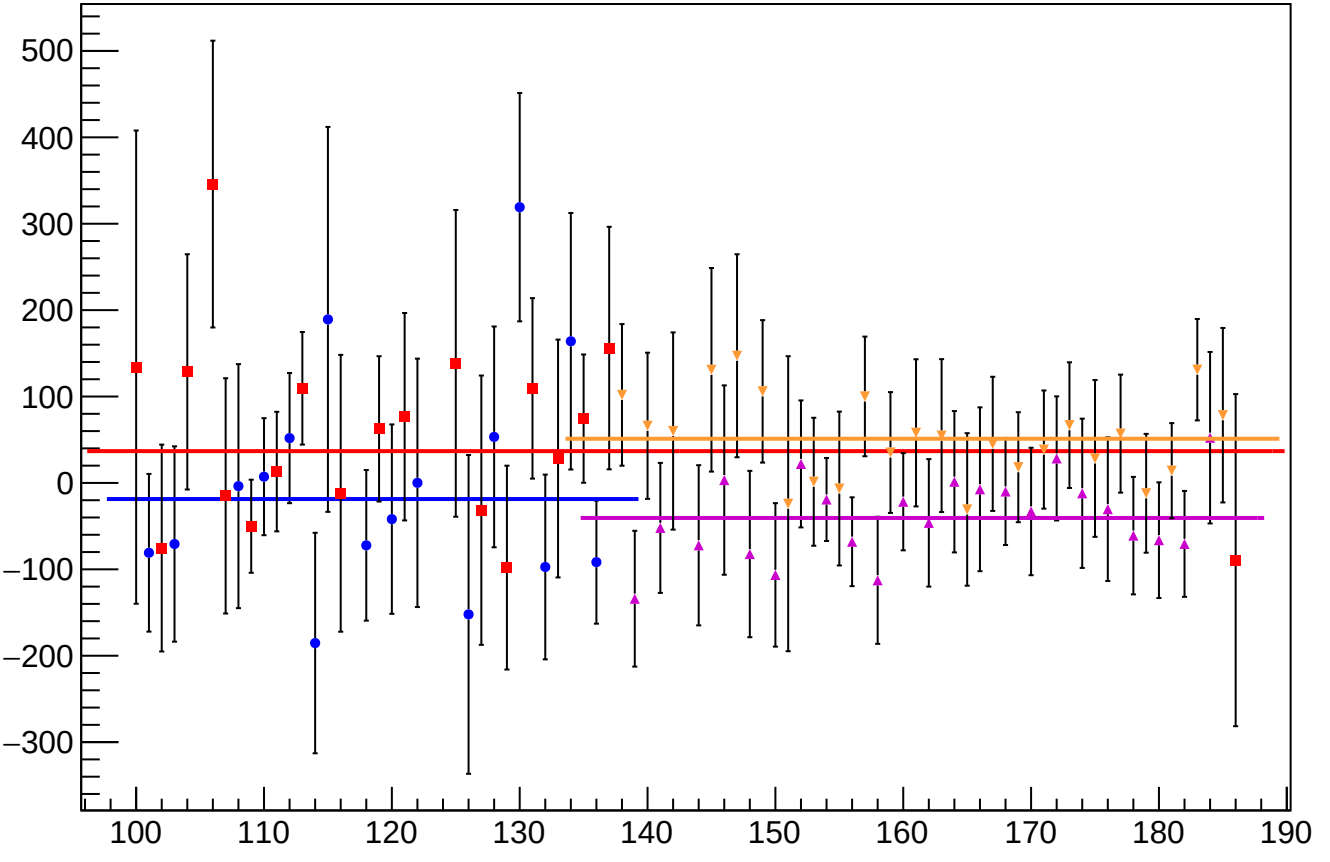
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 194.606+/-0.028 χ^2/NDF: 2796228.0/39

All: 185.045+/-0.019 χ^2/NDF: 6516431.8/81

- sign 176.987+/-0.026 χ^2/NDF: 3509341.3/41

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 36.805+/-23.475 χ^2/NDF: 13.1/18

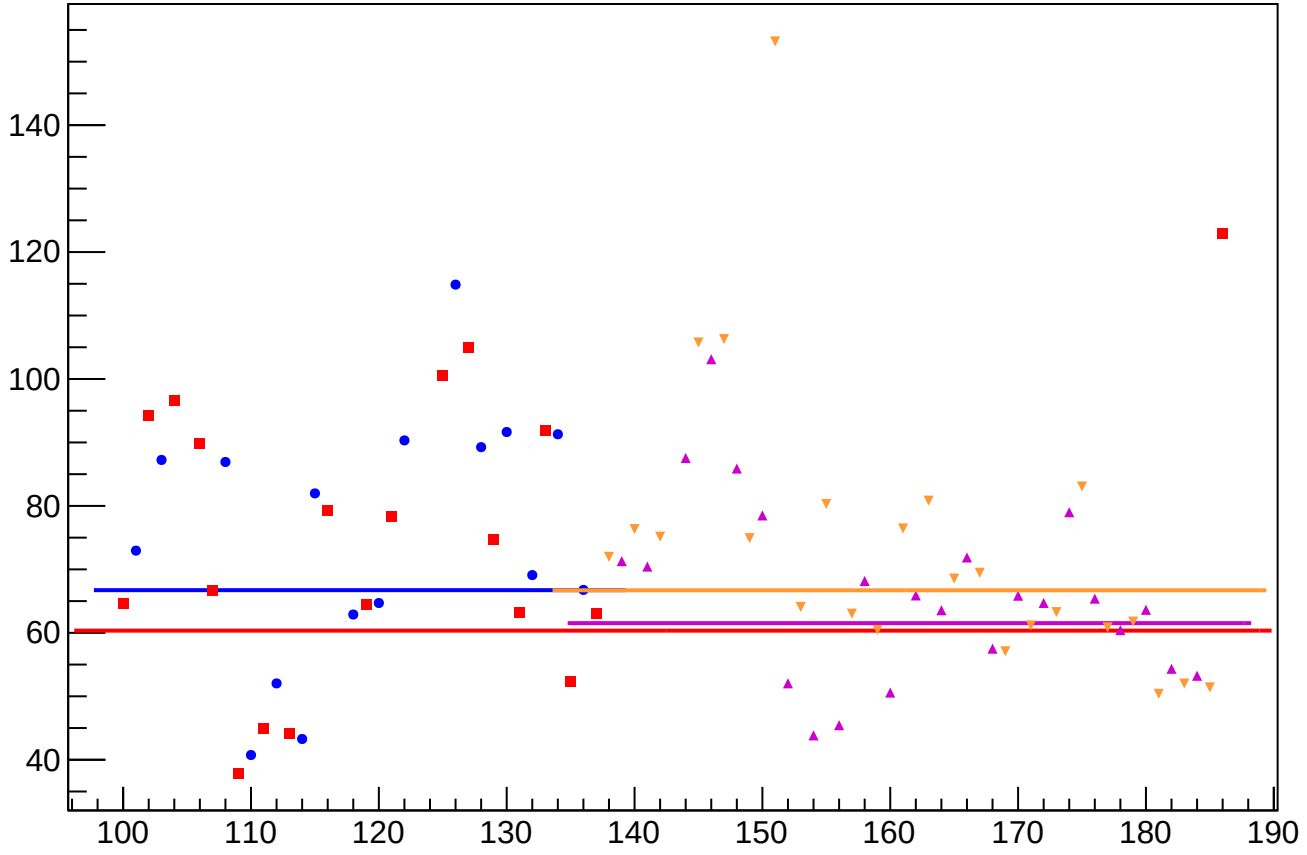
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

\+ sign 32.053+/-13.667 χ^2/NDF: 28.5/39

All: 4.961+/-9.274 χ^2/NDF: 64.4/81

\- sign -18.163+/-12.627 χ^2/NDF: 28.6/41

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

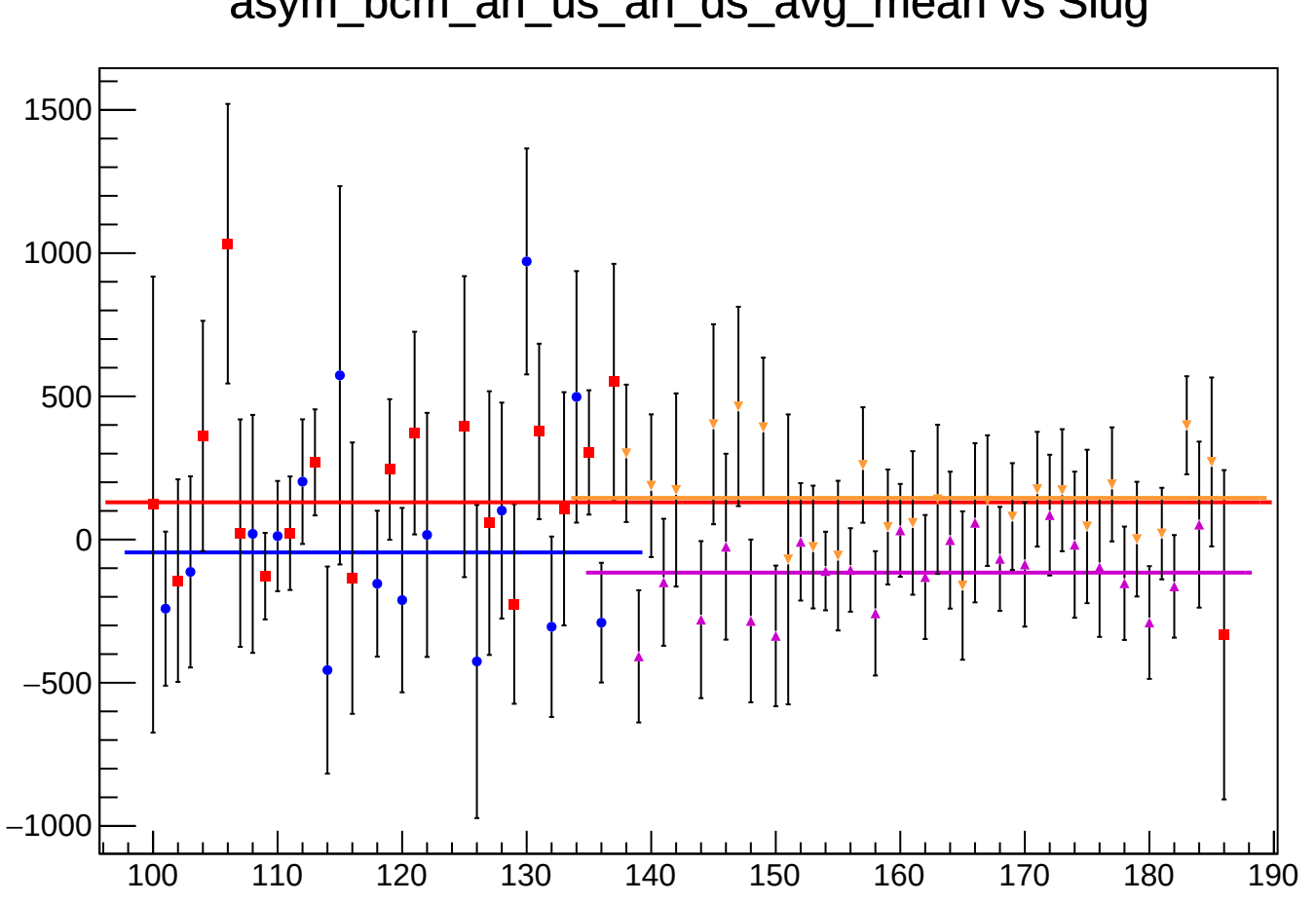
Right Out: 60.348+/-0.017 χ^2/NDF: 1660489.2/18

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 66.709+/-0.010 χ^2/NDF: 2623371.0/39

All: 63.730+/-0.007 χ^2/NDF: 5953430.2/81

- sign 61.187+/-0.009 χ^2/NDF: 3153934.4/41



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 130.045+/-67.845 χ^2/NDF: 13.5/18

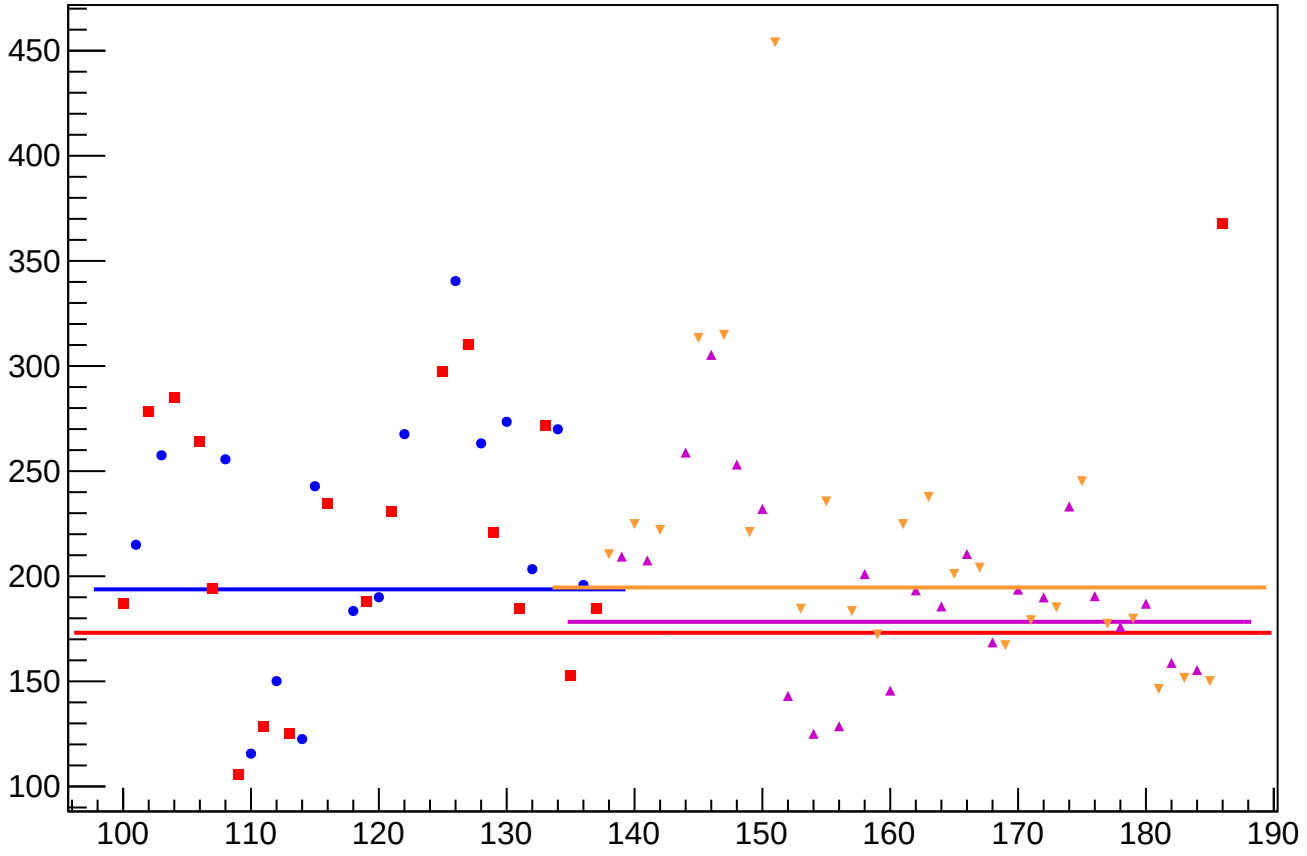
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 93.183+/-39.934 χ^2/NDF: 30.2/39

All: 18.848+/-27.006 χ^2/NDF: 67.2/81

- sign -43.797+/-36.660 χ^2/NDF: 30.5/41

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 173.105+/-0.048 χ^2/NDF: 1831159.8/18

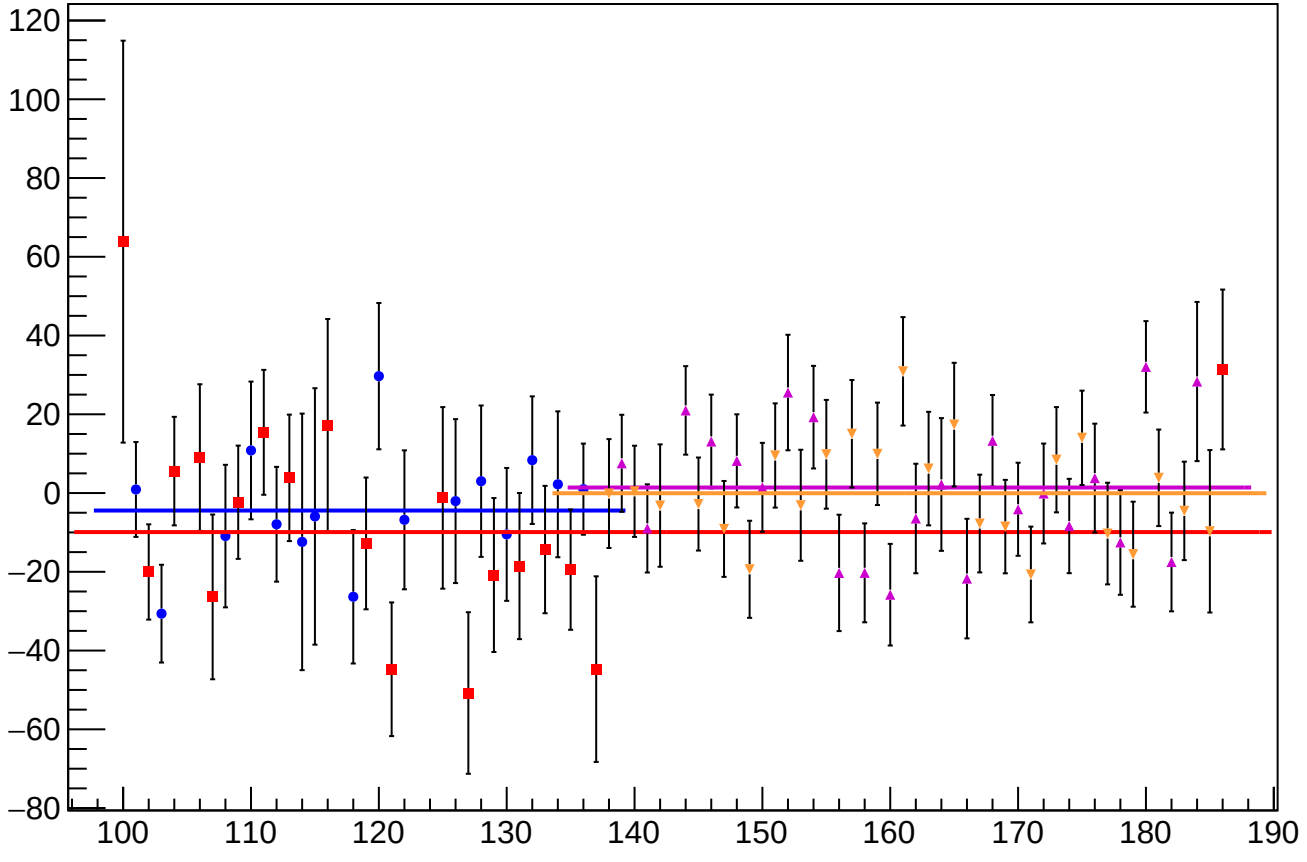
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 194.414+/-0.028 χ^2/NDF: 2801413.5/39

All: 184.853+/-0.019 χ^2/NDF: 6530530.7/81

- sign 176.796+/-0.026 χ^2/NDF: 3517856.4/41

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -9.911+/-4.053 χ^2/NDF: 25.9/18

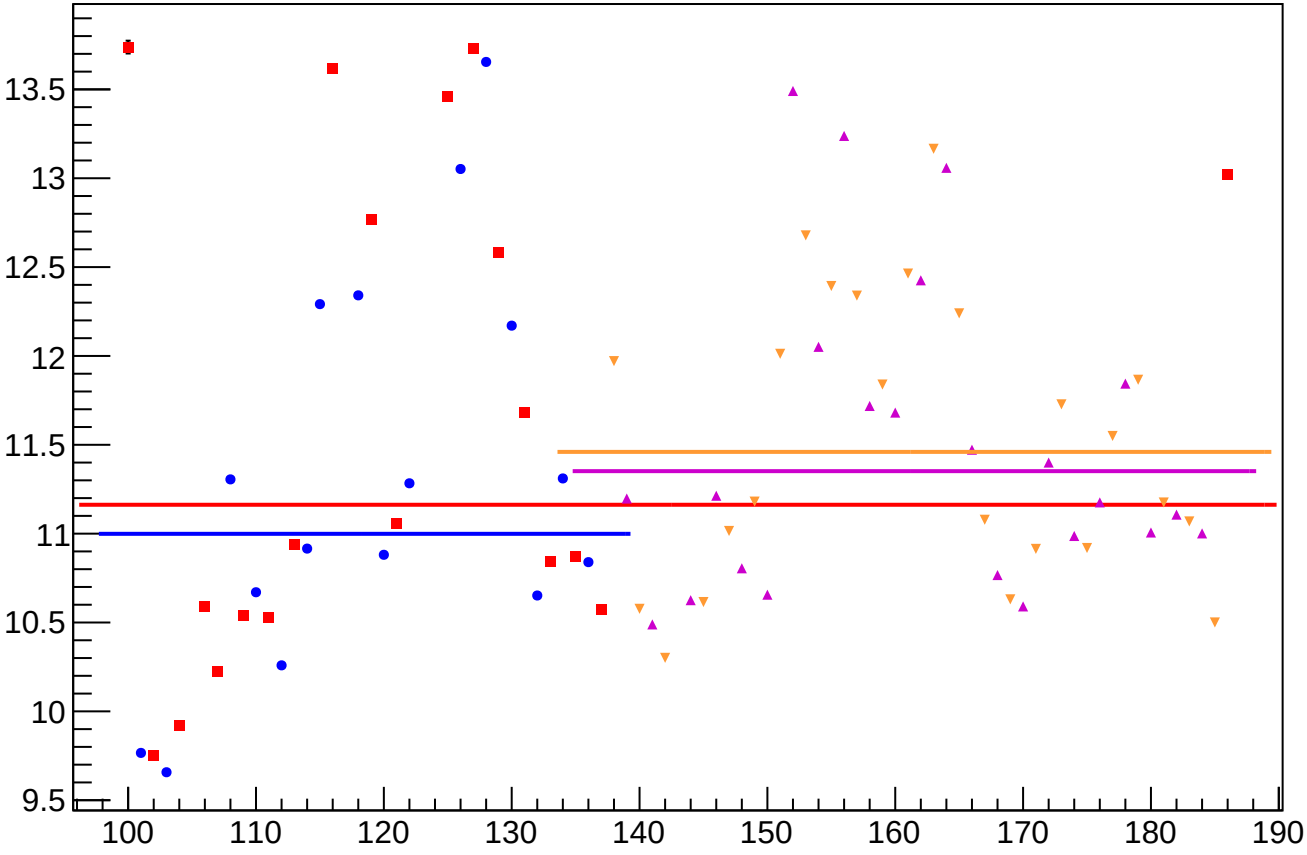
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.351+/-2.251 χ^2/NDF: 33.2/39

All: -1.691+/-1.585 χ^2/NDF: 101.0/81

- sign -2.025+/-2.232 χ^2/NDF: 67.7/41

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.163+/-0.003 χ^2/NDF: 179694.4/18

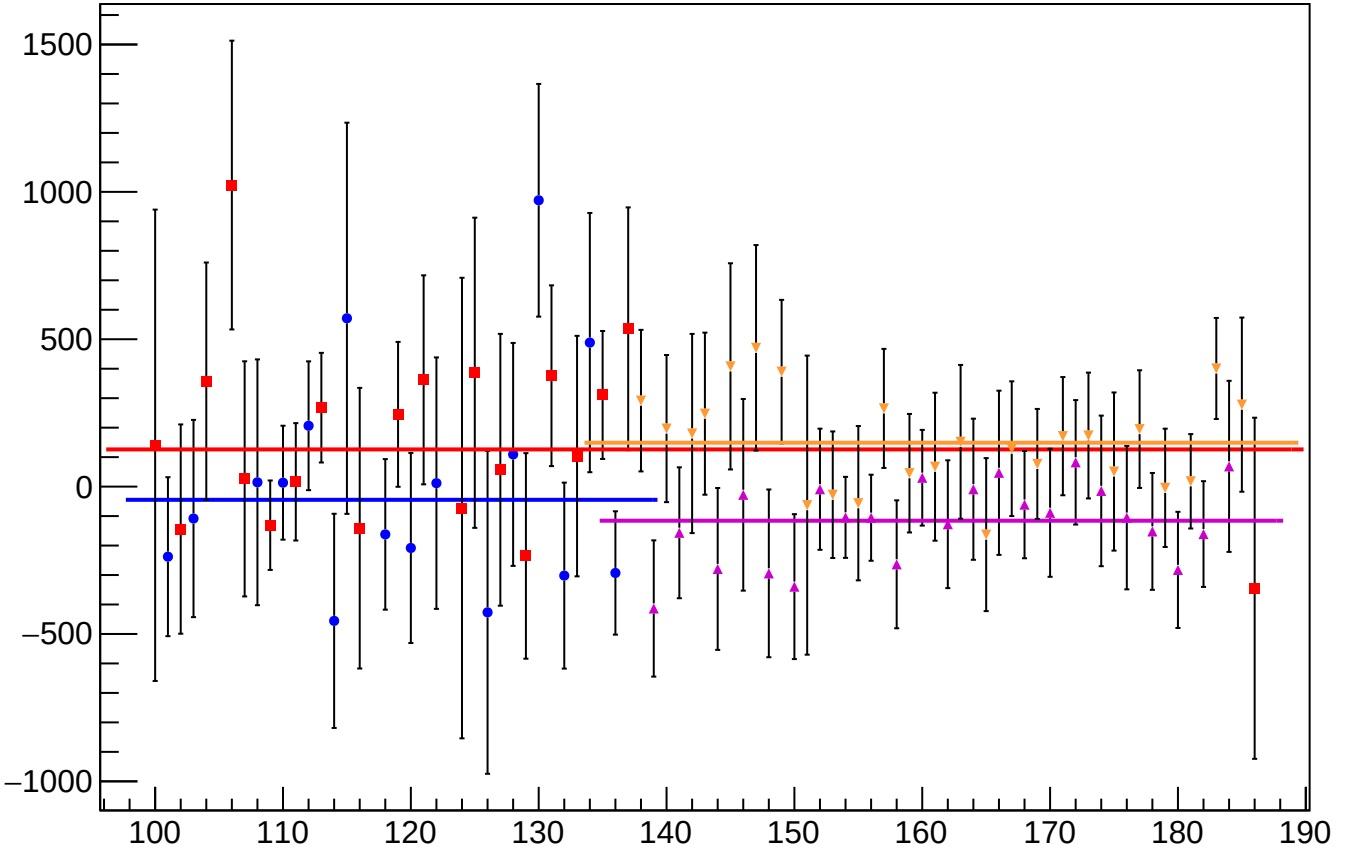
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.323+/-0.002 χ^2/NDF: 304105.8/39

All: 11.309+/-0.001 χ^2/NDF: 657564.0/81

- sign 11.294+/-0.002 χ^2/NDF: 353293.0/41

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 126.172+/-67.799 χ^2/NDF: 13.5/19

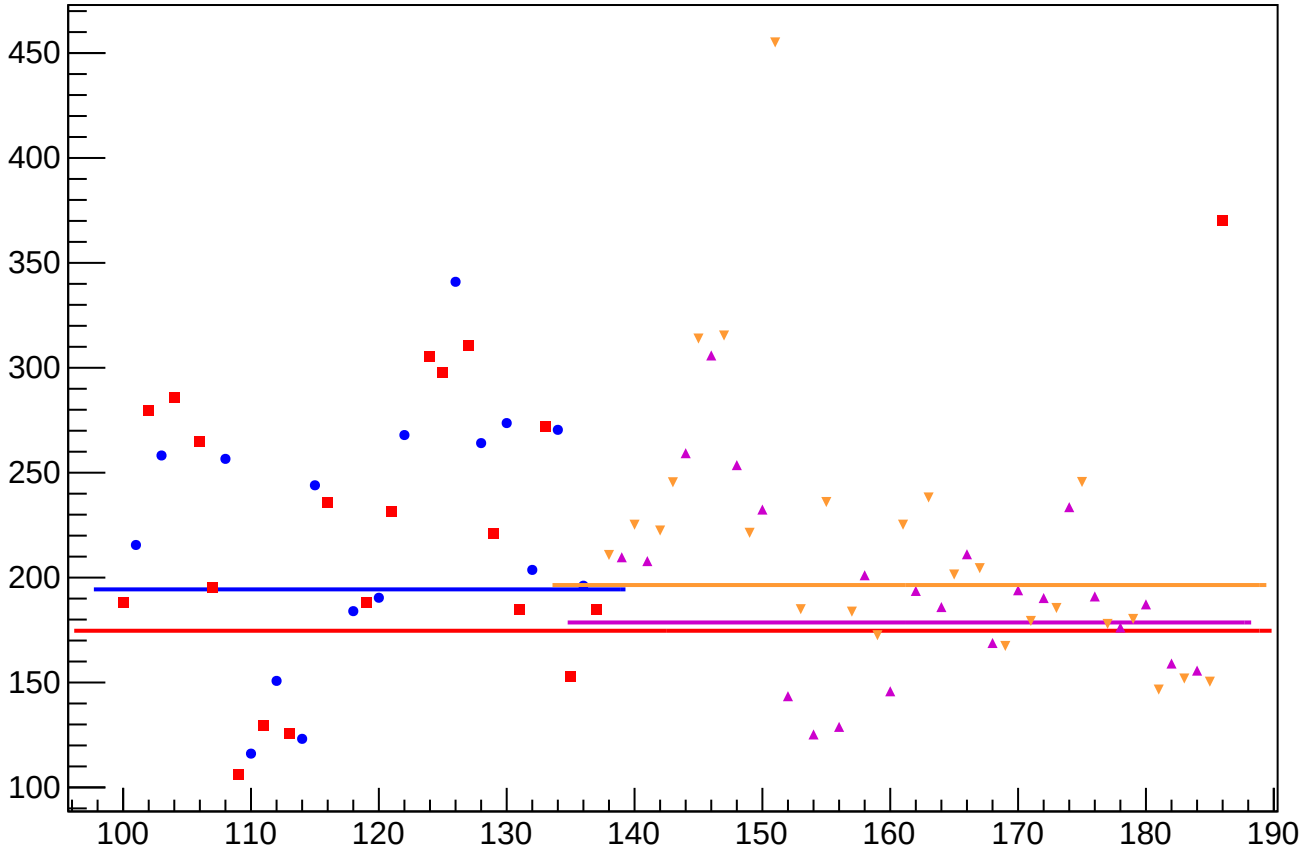
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 96.888+/-39.604 χ^2/NDF: 30.6/40

All: 20.625+/-26.917 χ^2/NDF: 67.8/83

- sign -44.851+/-36.696 χ^2/NDF: 30.3/42

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 174.668+/-0.048 χ^2/NDF: 1882423.0/19

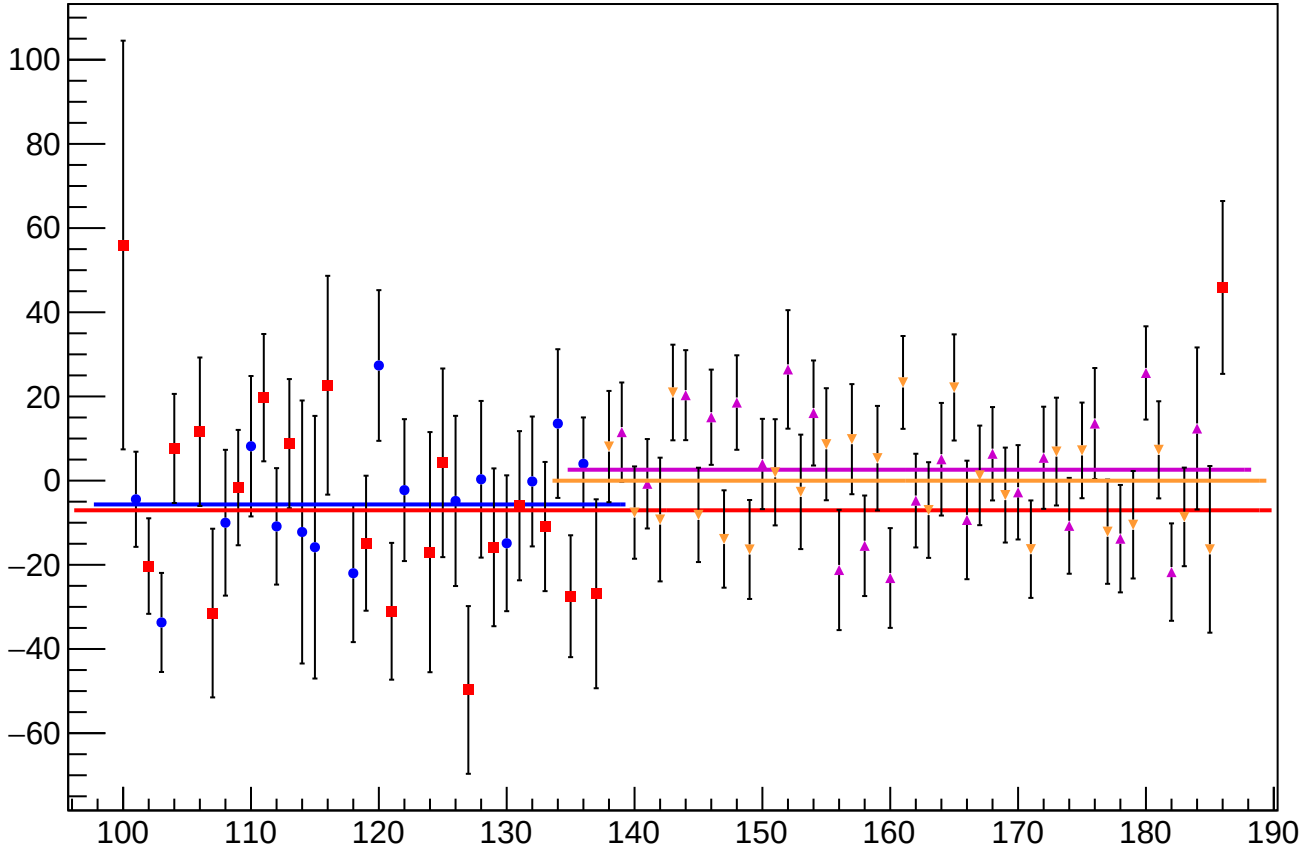
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 195.899+/-0.028 χ^2/NDF: 2861842.7/40

All: 185.977+/-0.019 χ^2/NDF: 6661230.4/83

- sign 177.458+/-0.026 χ^2/NDF: 3566073.3/42

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -7.049+/-3.832 χ^2/NDF: 29.7/19

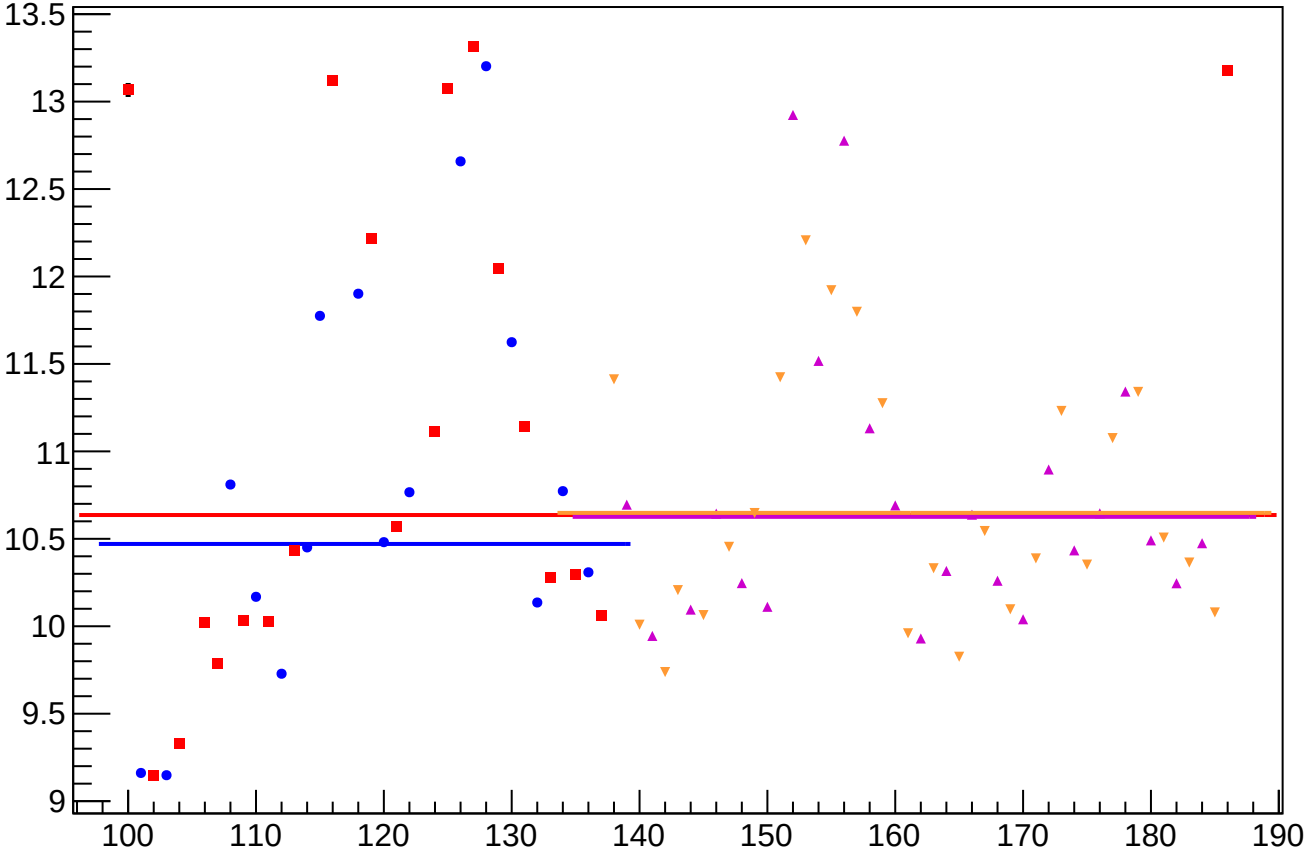
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.586+/-2.077 χ^2/NDF: 38.9/40

All: -0.947+/-1.476 χ^2/NDF: 108.0/83

- sign -0.296+/-2.097 χ^2/NDF: 68.9/42

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.636+/-0.003 χ^2/NDF: 218500.5/19

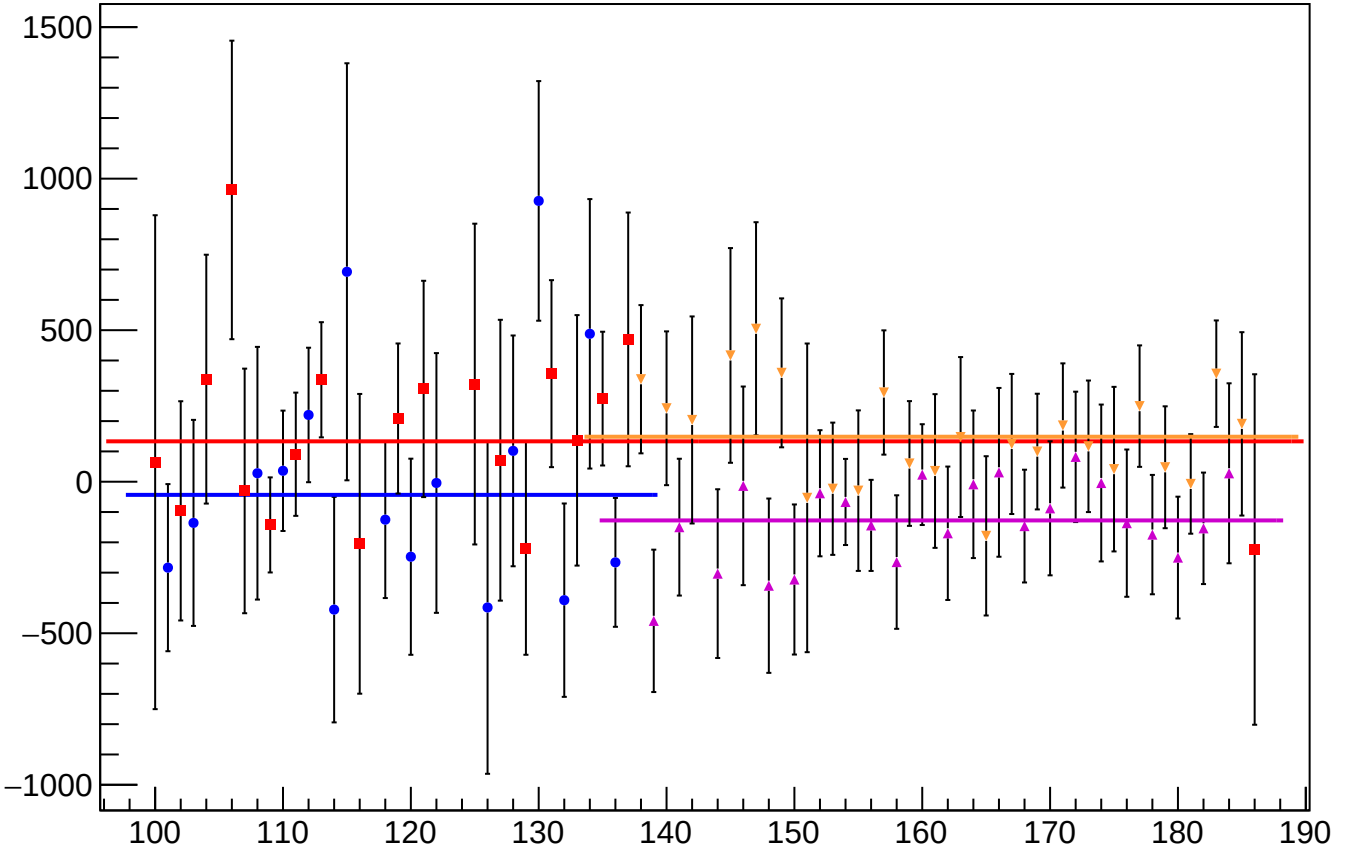
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.599+/-0.001 χ^2/NDF: 303838.5/40

All: 10.614+/-0.001 χ^2/NDF: 682098.0/83

- sign 10.629+/-0.001 χ^2/NDF: 378054.0/42

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 133.249+/-69.329 χ^2/NDF: 11.8/18

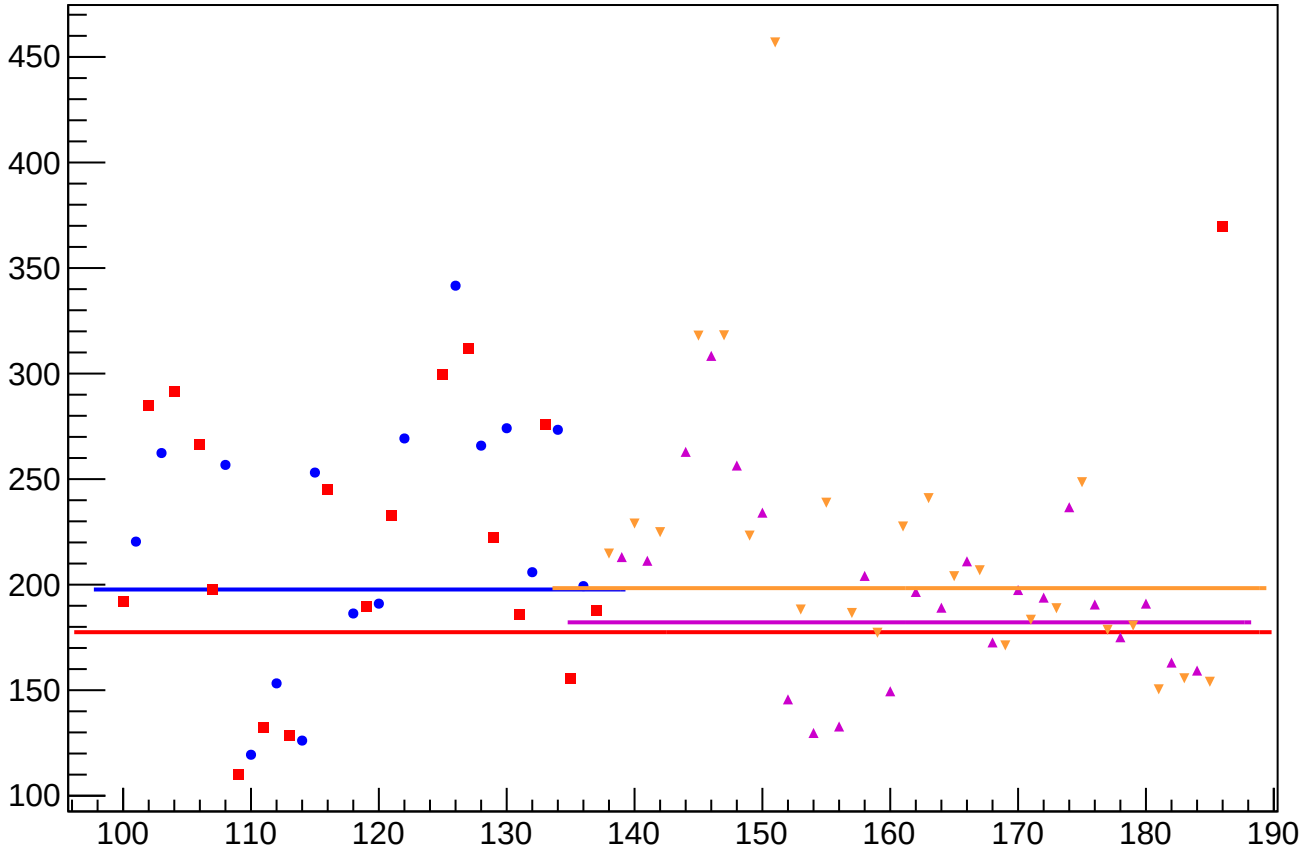
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 95.788+/-40.647 χ^2/NDF: 29.8/39

All: 15.904+/-27.524 χ^2/NDF: 66.6/81

- sign -51.746+/-37.405 χ^2/NDF: 29.7/41

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 177.485+/-0.049 χ^2/NDF: 1759440.8/18

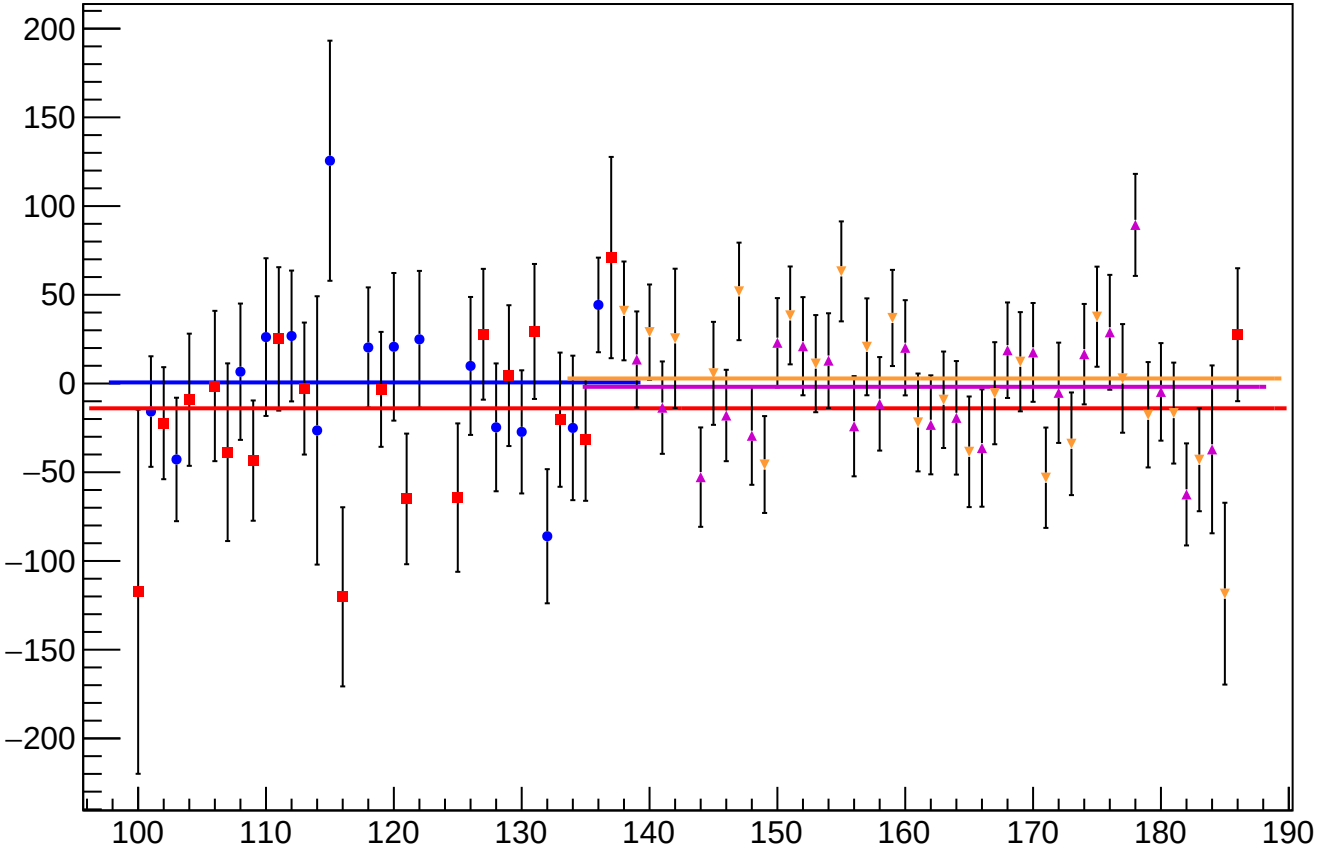
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 198.175+/-0.029 χ^2/NDF: 2697482.8/39

All: 188.763+/-0.019 χ^2/NDF: 6245741.9/81

- sign 180.792+/-0.026 χ^2/NDF: 3350217.8/41

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

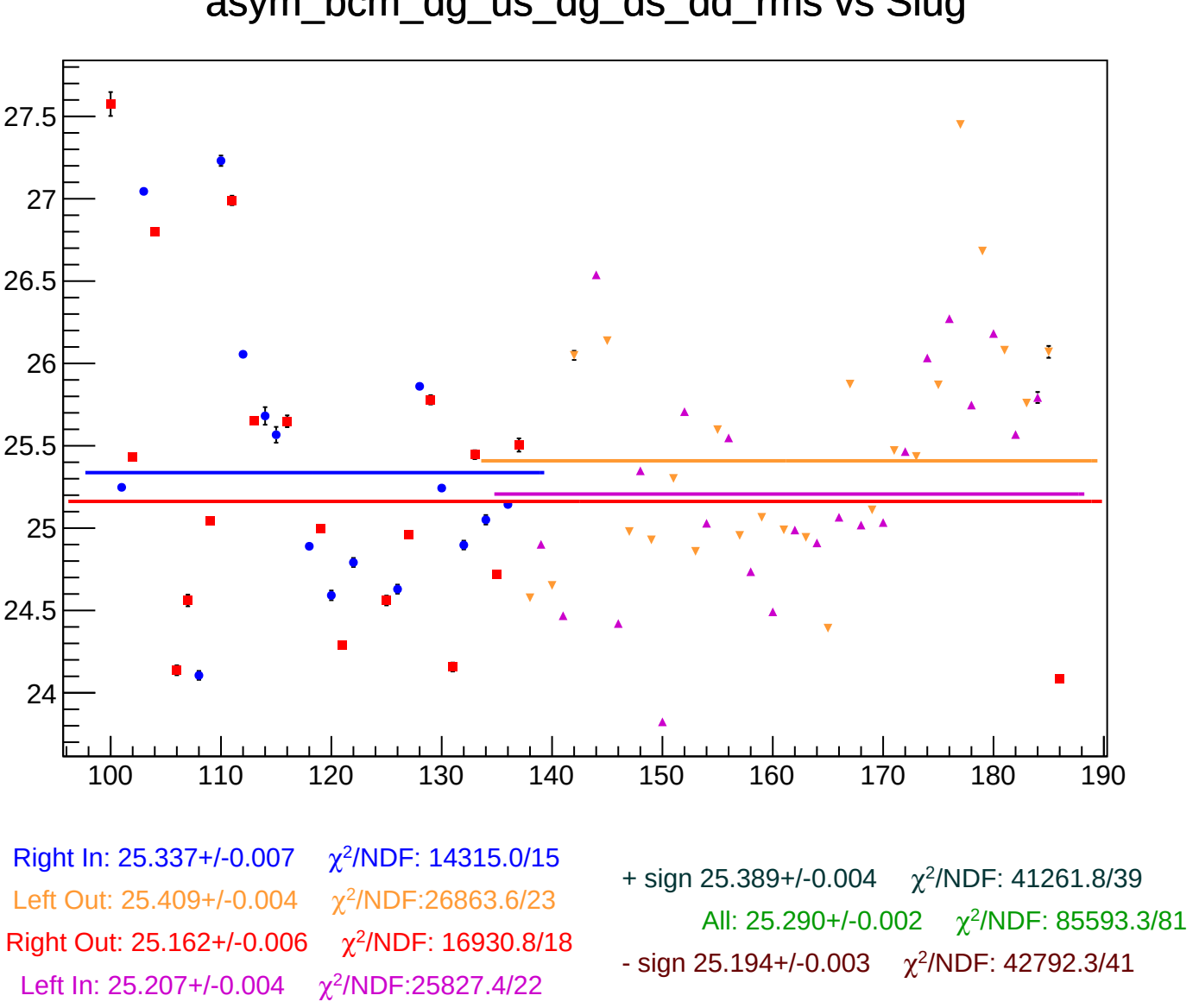
Right Out: -13.973+/-9.032 χ^2/NDF: 17.7/18

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

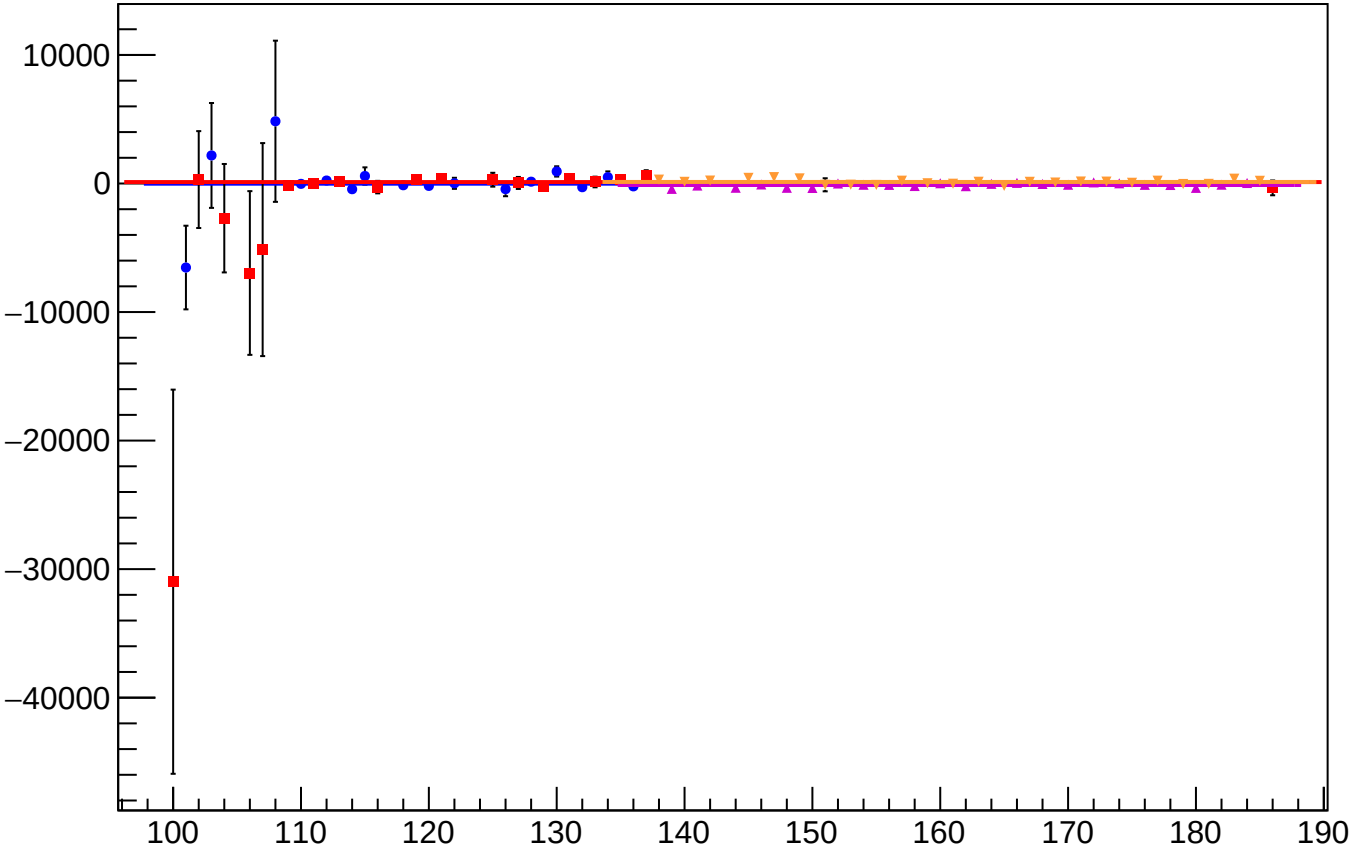
+ sign 2.221+/-5.003 χ^2/NDF: 53.7/39

All: -1.676+/-3.514 χ^2/NDF: 101.9/81

- sign -5.470+/-4.936 χ^2/NDF: 47.0/41


asym_bcm_dg_us_dg_ds_dd_rms vs Slug
27.5
27
26.5
26
25.5
25
24.5
24
100
110
120
130
140
150
160
170
180
190
Right In: 25.337+/-0.007 χ²/NDF: 14315.0/15
Left Out: 25.409+/-0.004 χ²/NDF:26863.6/23
Right Out: 25.162+/-0.006 χ²/NDF: 16930.8/18
Left In: 25.207+/-0.004 χ²/NDF:25827.4/22
+ sign 25.389+/-0.004 χ²/NDF: 41261.8/39
All: 25.290+/-0.002 χ²/NDF: 85593.3/81
- sign 25.194+/-0.003 χ²/NDF: 42792.3/41

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 111.631+/-77.534 χ^2/NDF: 15.0/18

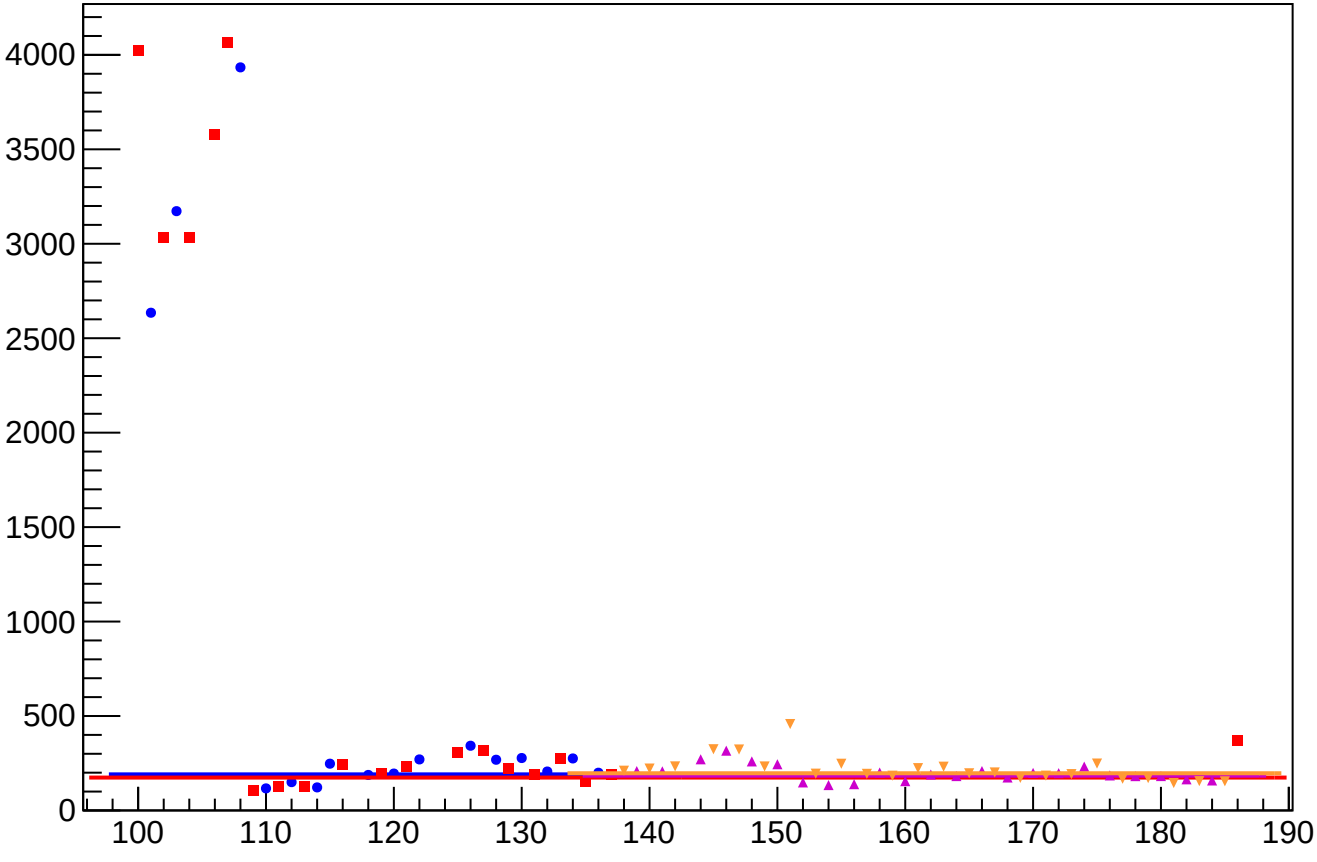
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 88.229+/-41.361 χ^2/NDF: 32.1/39

All: 9.755+/-28.291 χ^2/NDF: 68.8/81

- sign -59.233+/-38.781 χ^2/NDF: 29.9/41

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

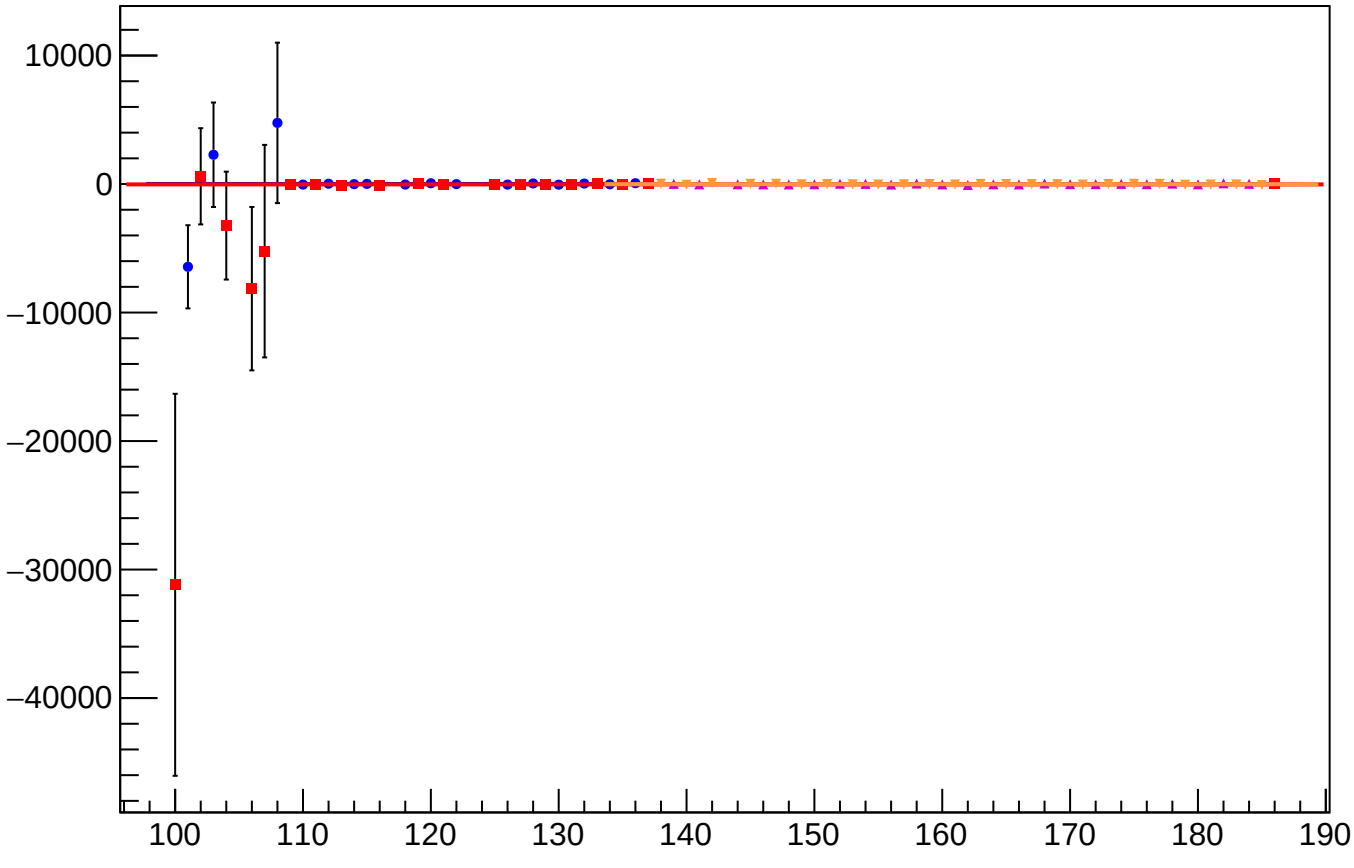
Right Out: 174.080+/-0.055 χ^2/NDF: 4486350.2/18

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 195.528+/-0.029 χ^2/NDF: 5650551.7/39

All: 188.093+/-0.020 χ^2/NDF: 11728583.7/81

- sign 181.556+/-0.027 χ^2/NDF: 5956579.4/41



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -28.378+/-11.729 χ^2/NDF: 20.5/18

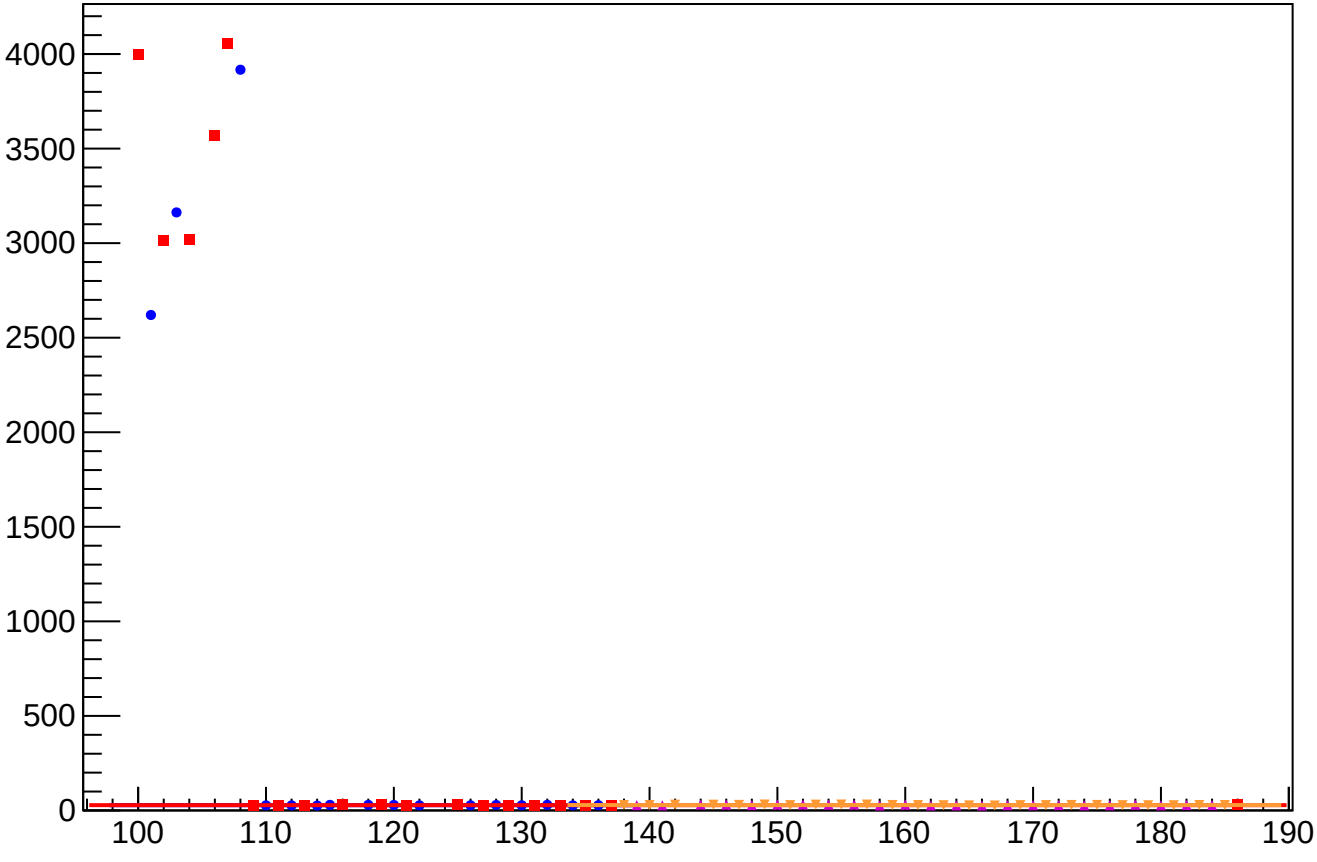
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.846+/-5.791 χ^2/NDF: 37.5/39

All: -7.899+/-4.112 χ^2/NDF: 83.9/81

- sign -8.970+/-5.839 χ^2/NDF: 46.3/41

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.983+/-0.008 χ^2/NDF: 3568305.5/18

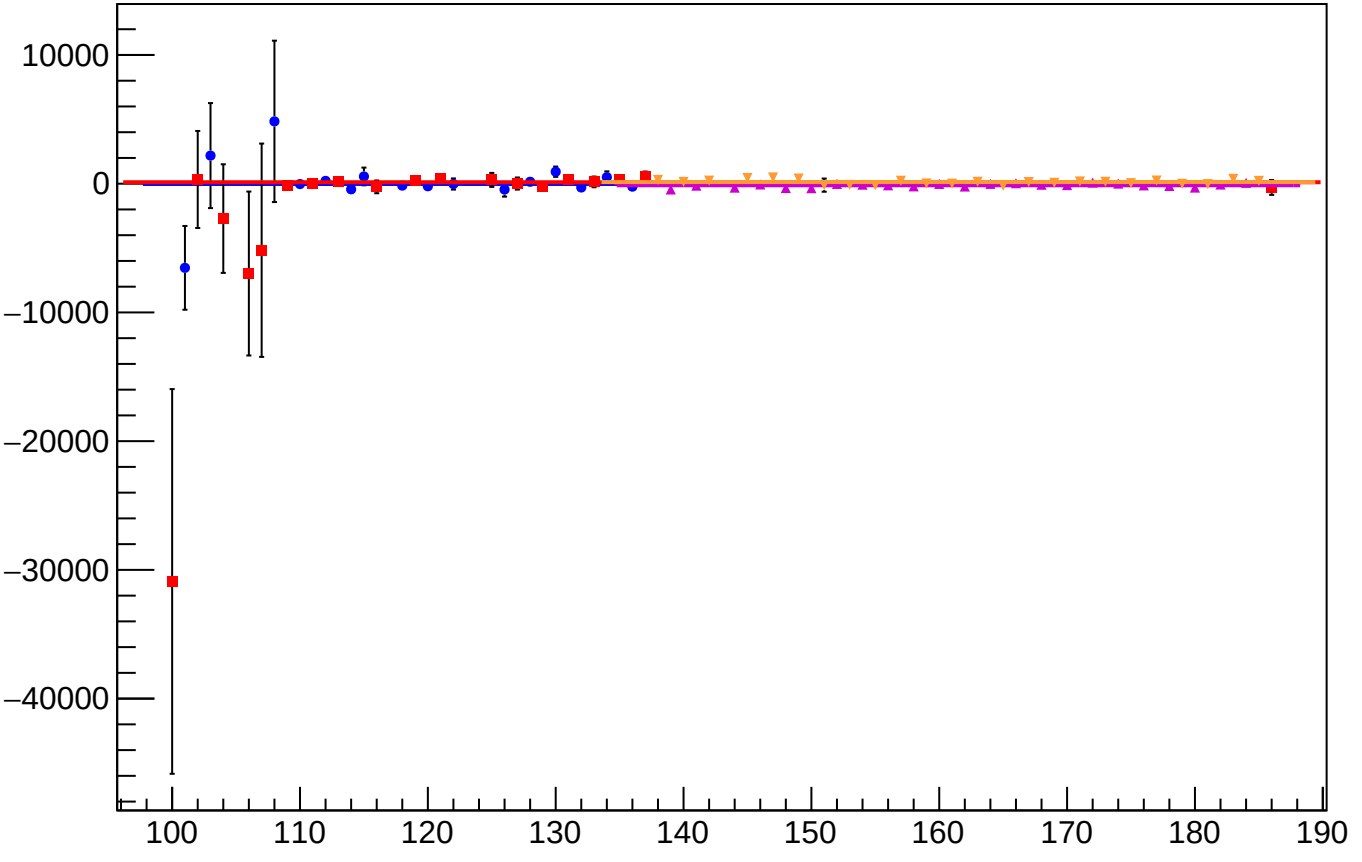
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.406+/-0.004 χ^2/NDF: 3353341.1/39

All: 28.474+/-0.003 χ^2/NDF: 7055647.7/81

\- sign 28.543+/-0.004 χ^2/NDF: 3701753.1/41

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 113.935+/-78.117 χ^2/NDF: 13.8/18

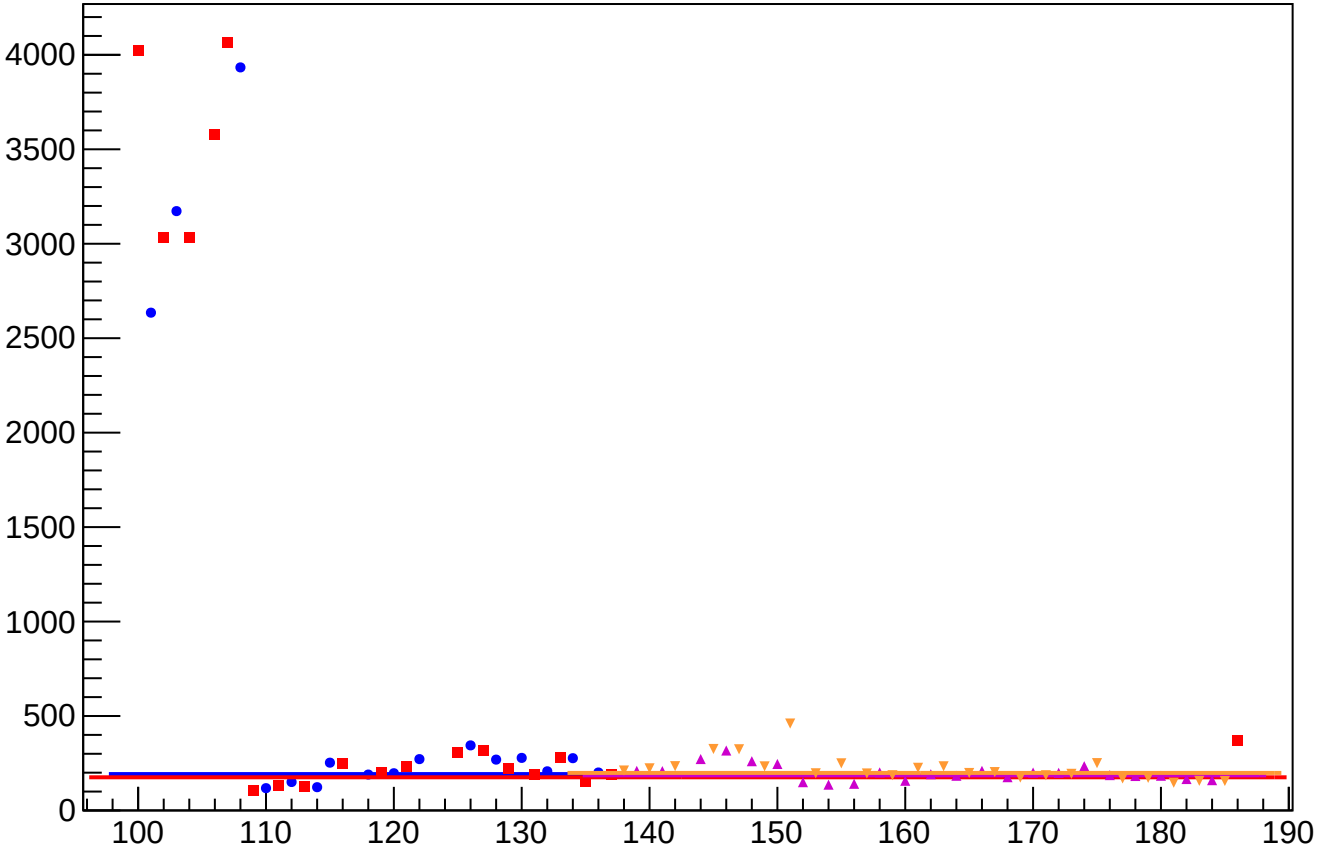
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 91.301+/-41.706 χ^2/NDF: 32.0/39

All: 8.994+/-28.533 χ^2/NDF: 68.0/81

- sign -63.430+/-39.122 χ^2/NDF: 28.6/41

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 175.515+/-0.055 χ^2/NDF: 4476896.5/18

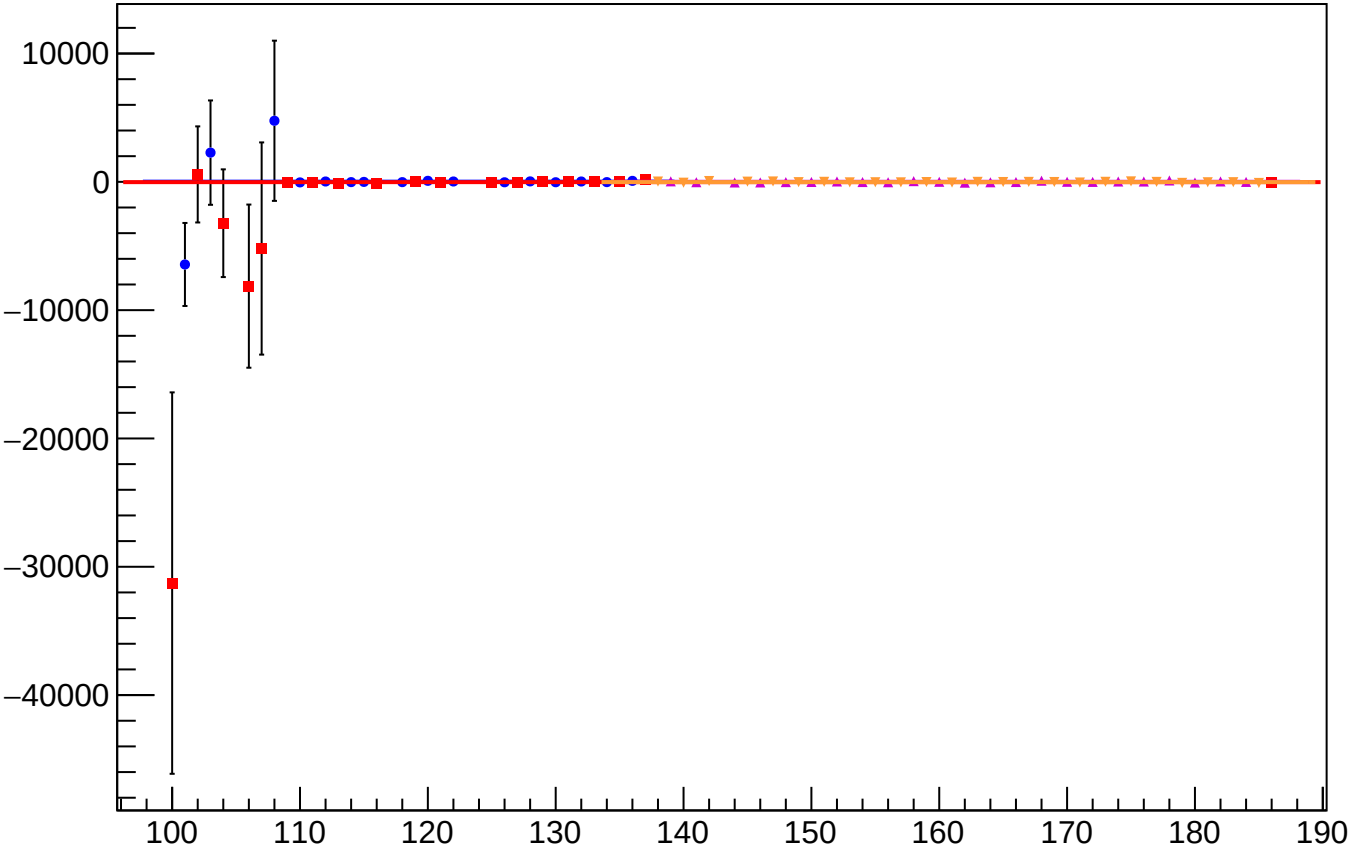
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 197.251+/-0.029 χ^2/NDF: 5617204.4/39

All: 189.816+/-0.020 χ^2/NDF: 11645463.3/81

- sign 183.274+/-0.028 χ^2/NDF: 5908760.0/41

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -22.887+/-12.986 χ^2/NDF: 28.5/18

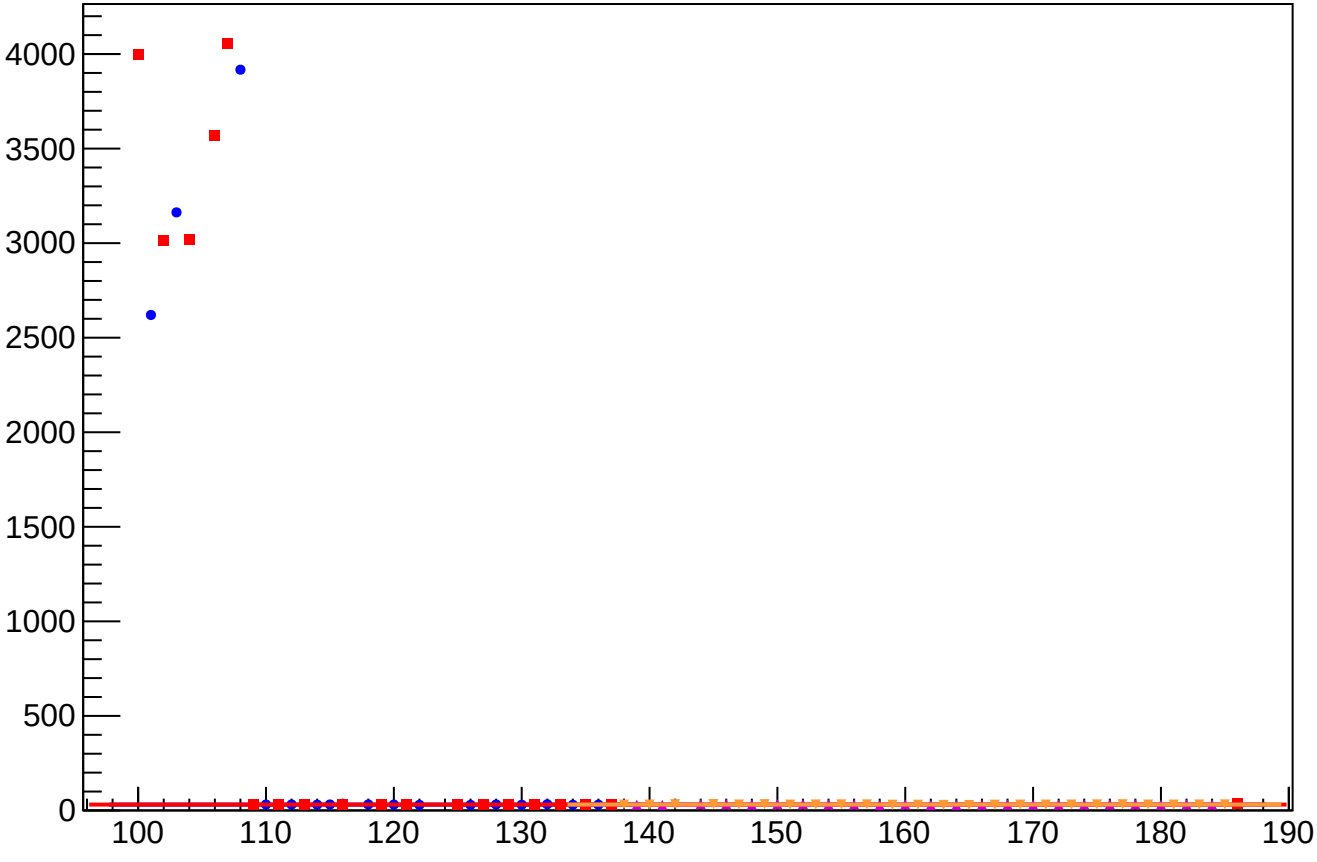
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -10.659+/-6.345 χ^2/NDF: 40.3/39

All: -7.107+/-4.504 χ^2/NDF: 107.9/81

- sign -3.499+/-6.395 χ^2/NDF: 66.9/41

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 31.021+/-0.009 χ^2/NDF: 3544949.4/18

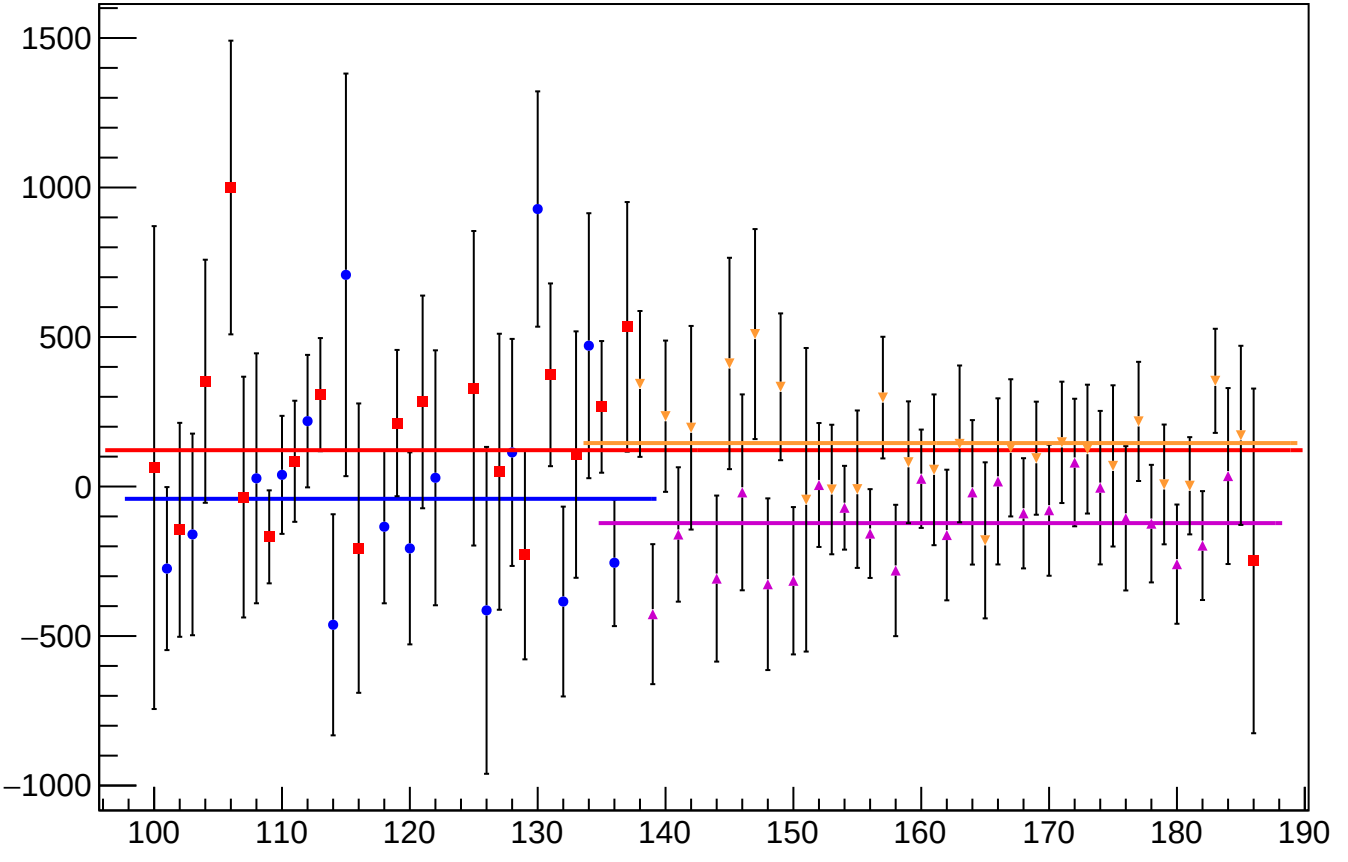
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 31.152+/-0.004 χ^2/NDF: 3300800.2/39

All: 31.222+/-0.003 χ^2/NDF: 6932618.0/81

- sign 31.292+/-0.005 χ^2/NDF: 3631333.7/41

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 121.530+/-68.885 χ^2/NDF: 13.2/18

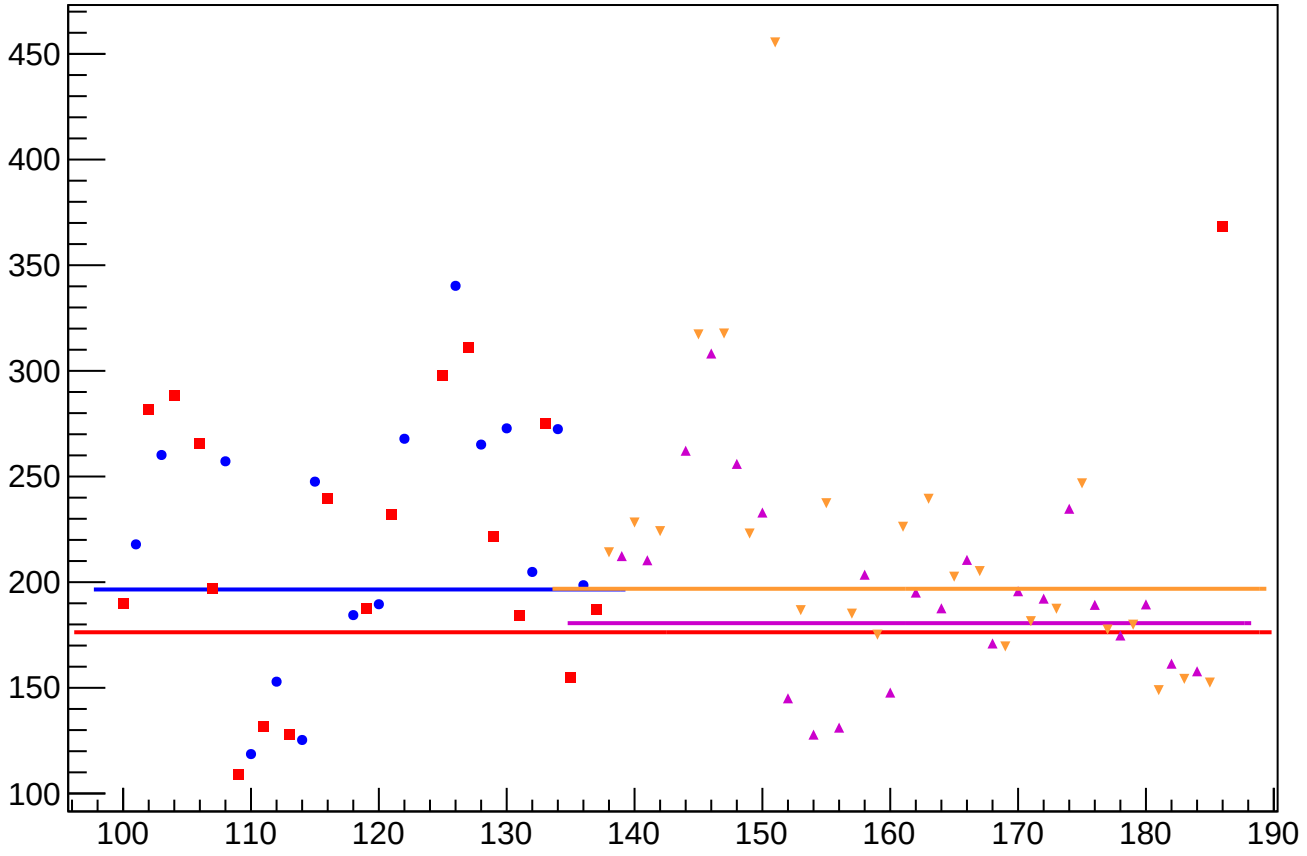
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 94.231+/-40.379 χ^2/NDF: 29.2/39

All: 15.259+/-27.331 χ^2/NDF: 66.2/81

- sign -51.514+/-37.130 χ^2/NDF: 30.0/41

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 176.295+/-0.049 χ^2/NDF: 1758473.3/18

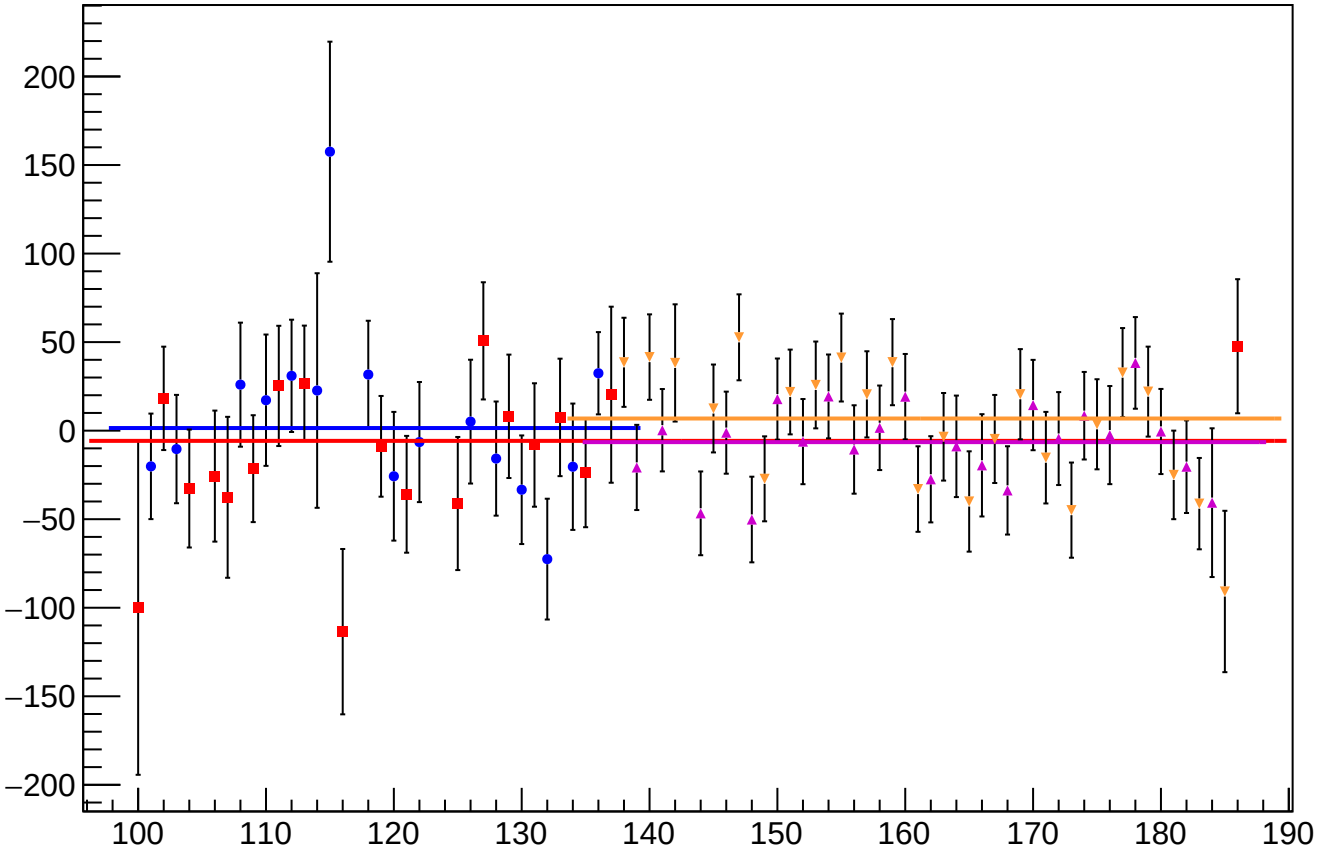
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 196.782+/-0.029 χ^2/NDF: 2725904.1/39

All: 187.337+/-0.019 χ^2/NDF: 6319967.1/81

- sign 179.350+/-0.026 χ^2/NDF: 3392090.6/41

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -5.769+/-8.094 χ^2/NDF: 18.1/18

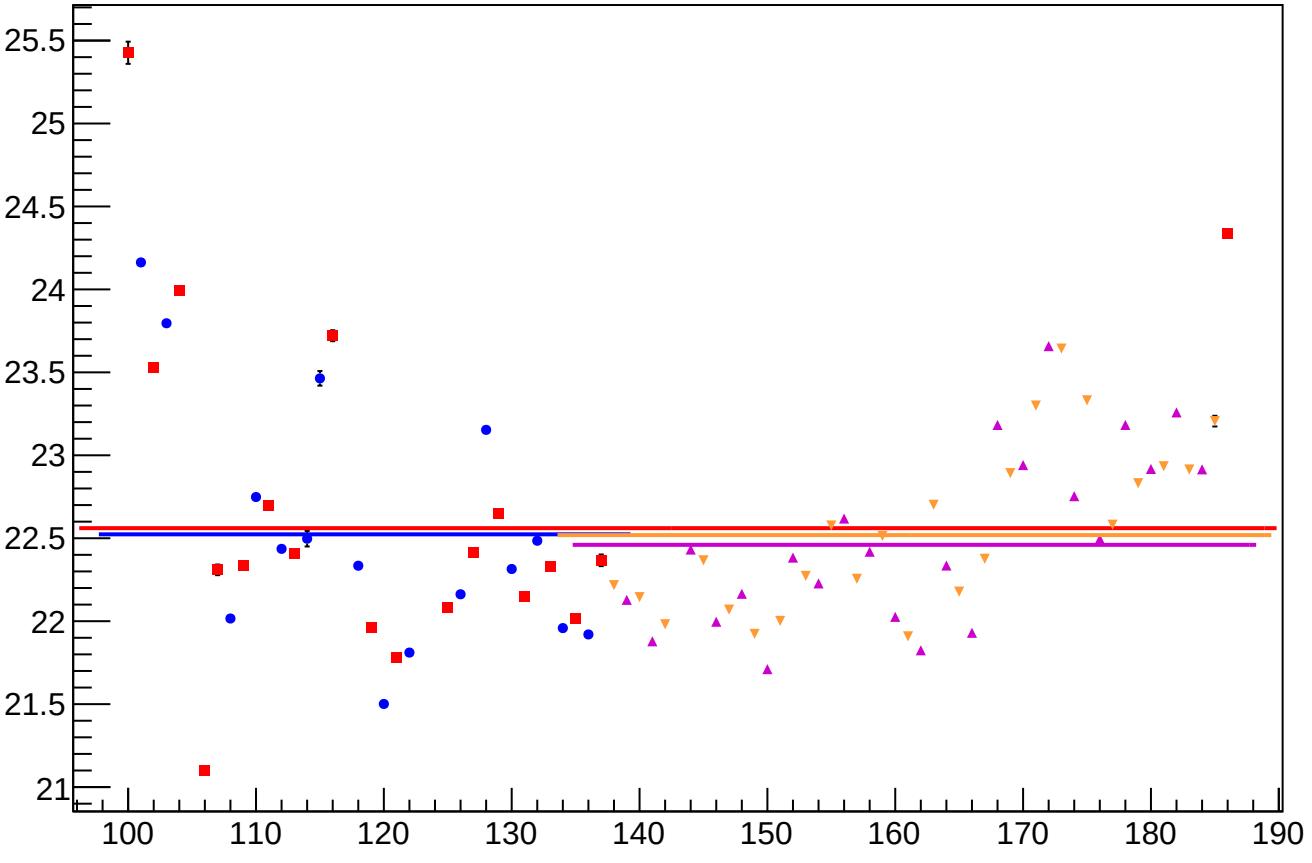
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 5.347+/-4.435 χ^2/NDF: 55.8/39

All: -0.504+/-3.124 χ^2/NDF: 94.8/81

- sign -6.271+/-4.403 χ^2/NDF: 35.6/41

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.561+/-0.006 χ^2/NDF: 20152.5/18

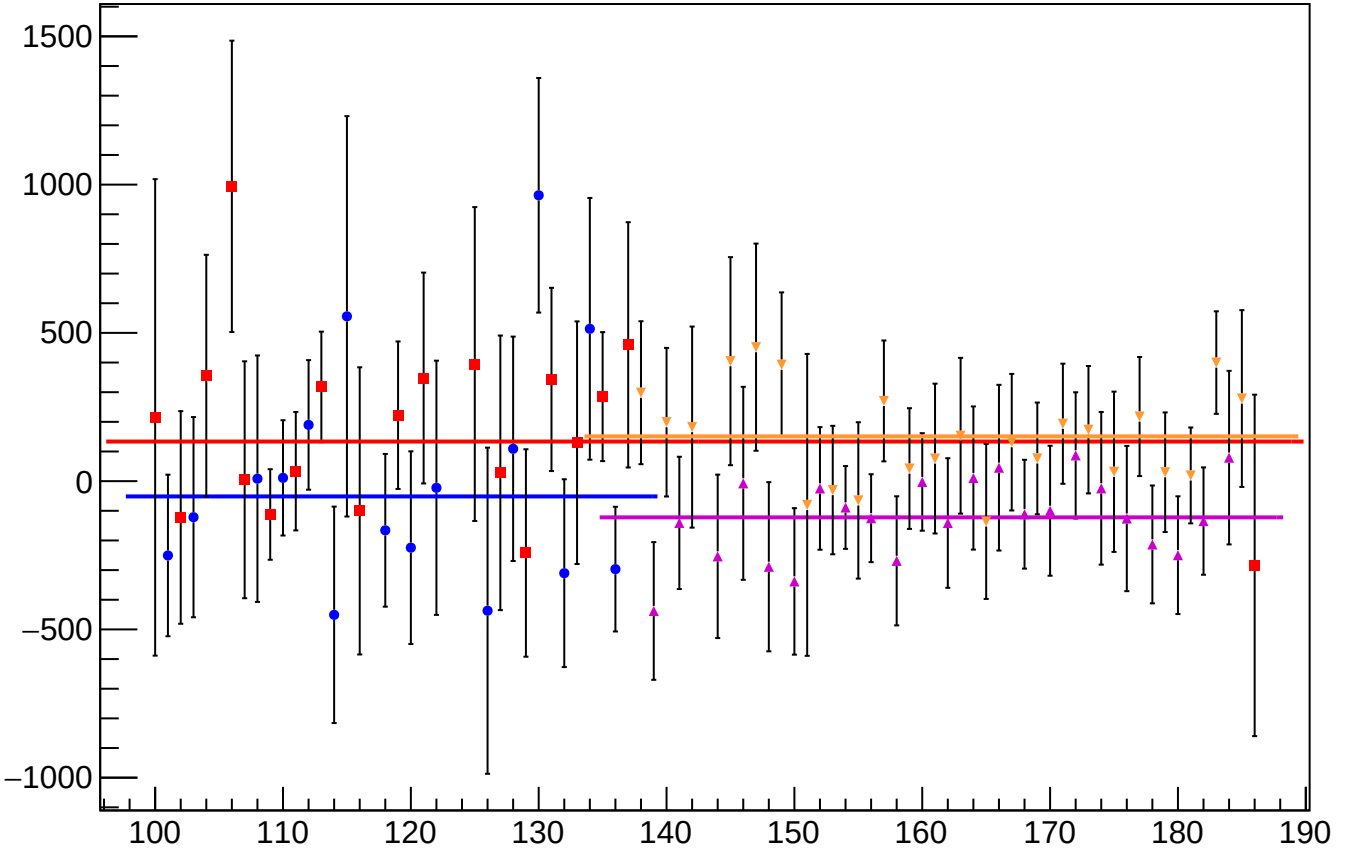
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.520+/-0.003 χ^2/NDF: 31946.4/39

All: 22.505+/-0.002 χ^2/NDF: 71480.4/81

- sign 22.490+/-0.003 χ^2/NDF: 39487.0/41

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 133.567+/-68.400 χ^2/NDF: 12.1/18

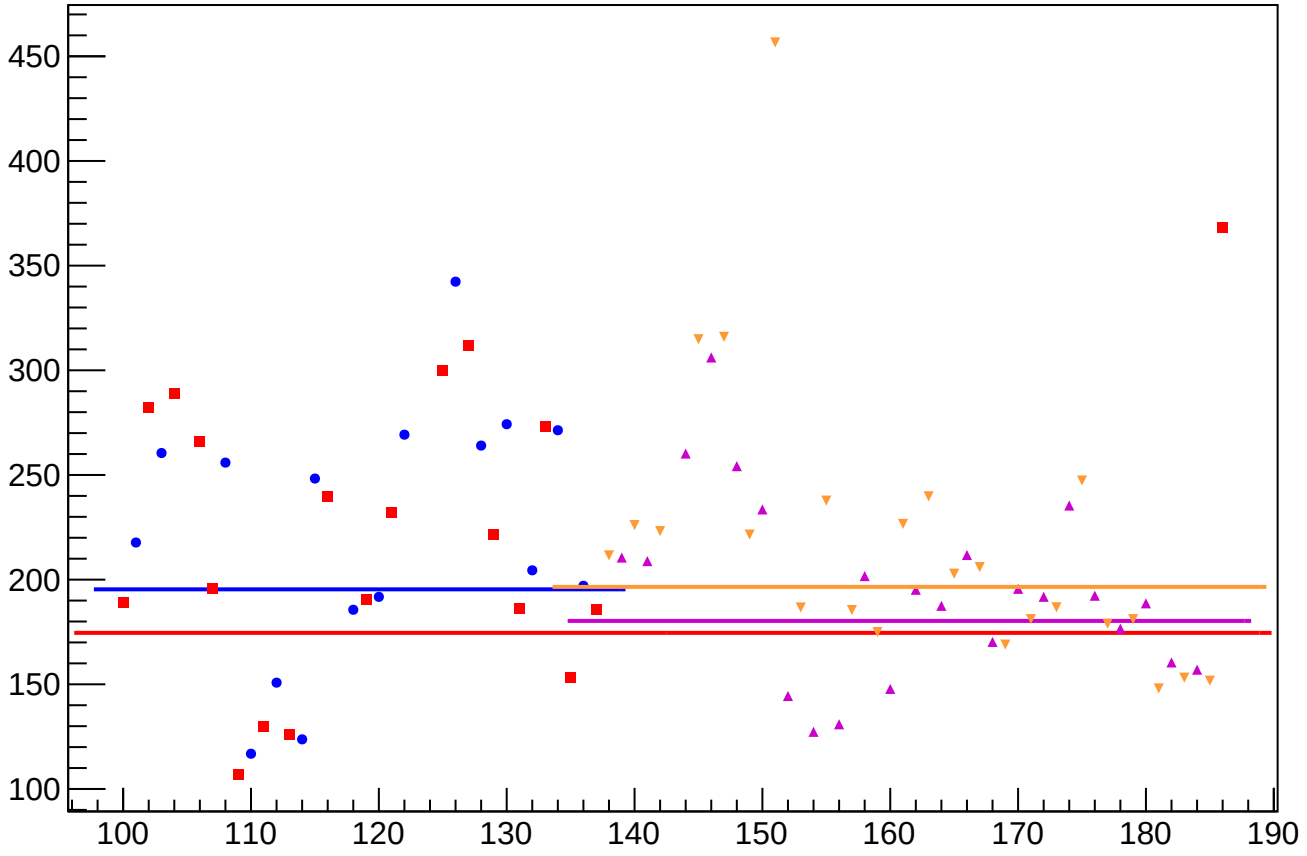
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 95.363+/-40.284 χ^2/NDF: 30.4/39

All: 17.996+/-27.253 χ^2/NDF: 66.6/81

- sign -47.302+/-37.009 χ^2/NDF: 29.4/41

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 174.578+/-0.048 χ^2/NDF: 1830353.8/18

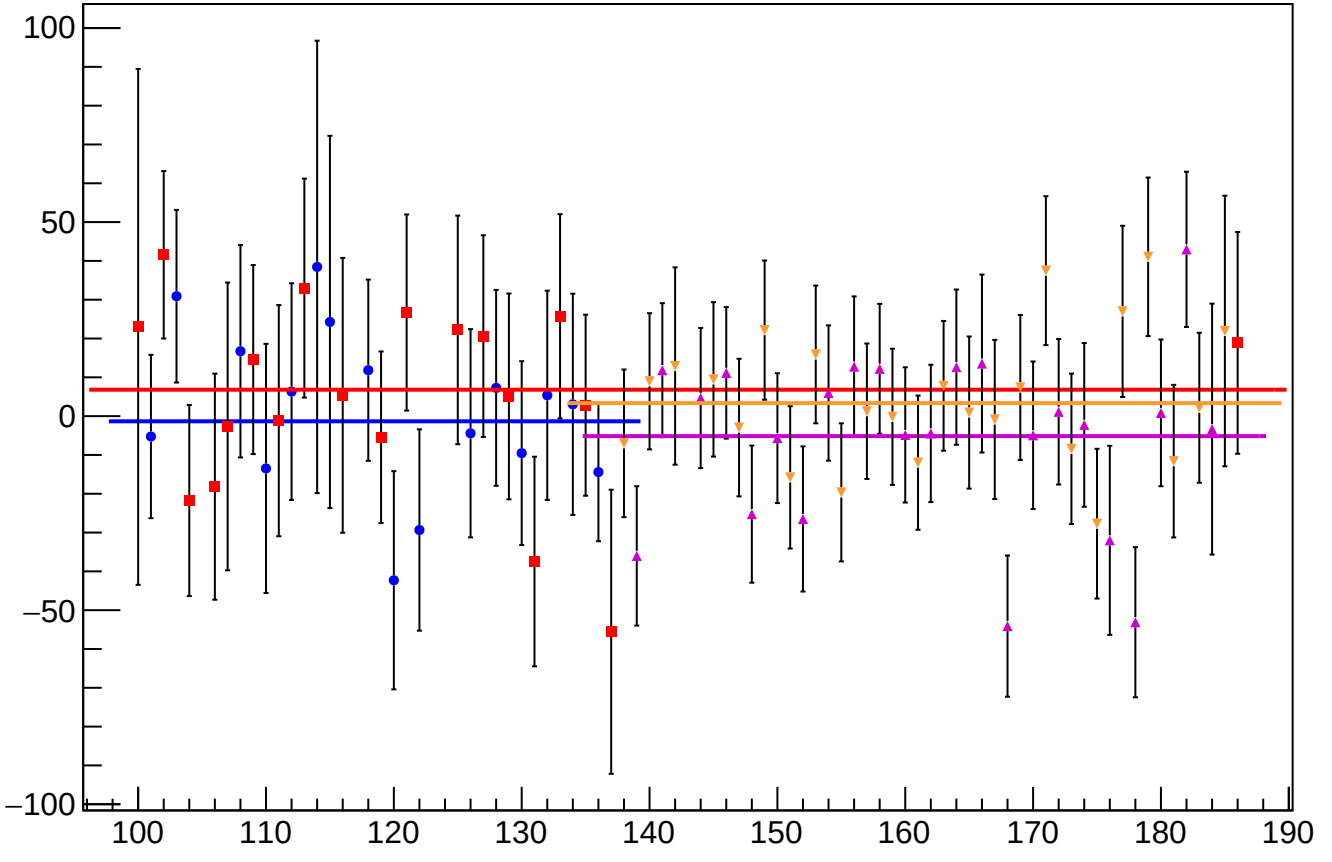
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 196.211+/-0.028 χ^2/NDF: 2769658.6/39

All: 186.664+/-0.019 χ^2/NDF: 6441625.8/81

- sign 178.607+/-0.026 χ^2/NDF: 3464845.7/41

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 6.814+/-6.313 χ^2/NDF: 13.6/18

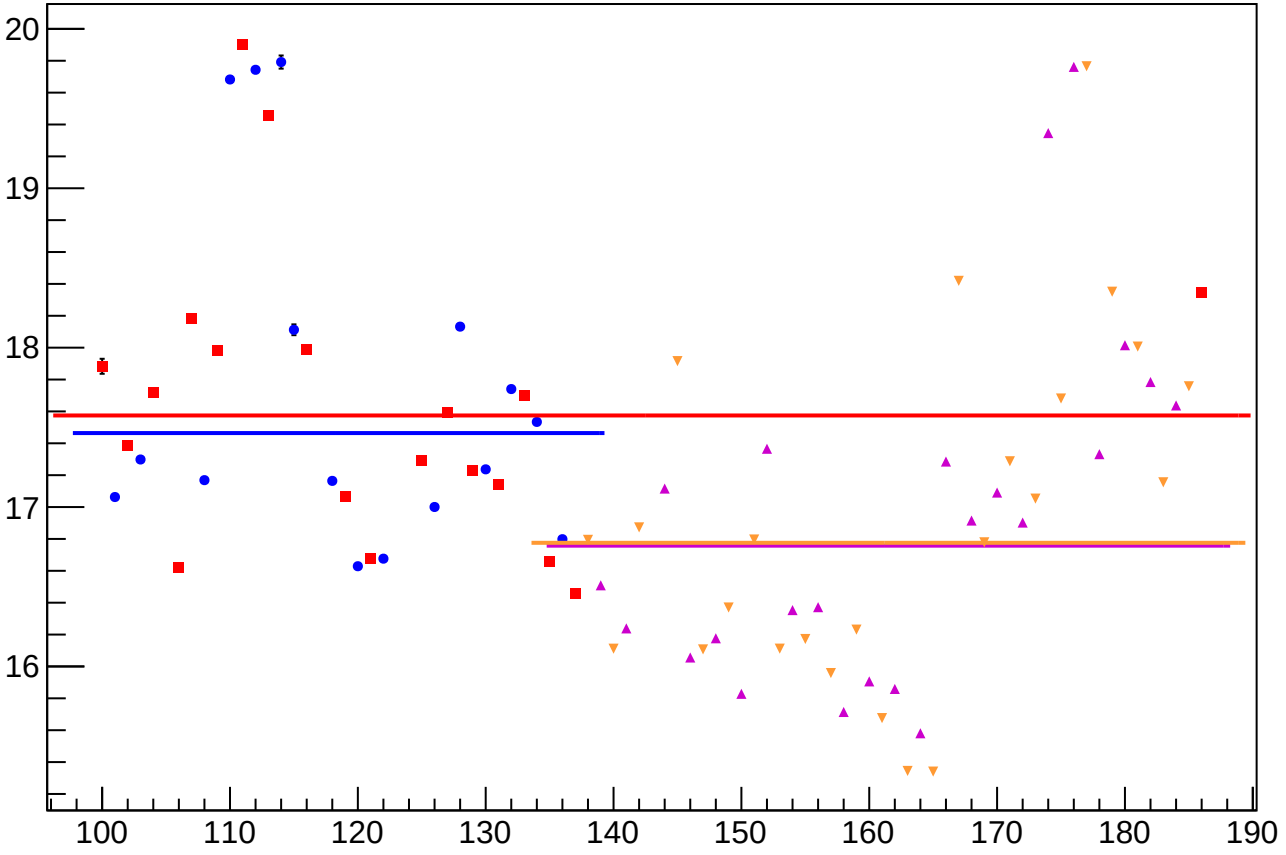
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 2.115+/-3.347 χ^2/NDF: 26.1/39

All: 0.141+/-2.362 χ^2/NDF: 75.3/81

- sign -1.816+/-3.333 χ^2/NDF: 48.5/41

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.575+/-0.004 χ^2/NDF: 36006.7/18

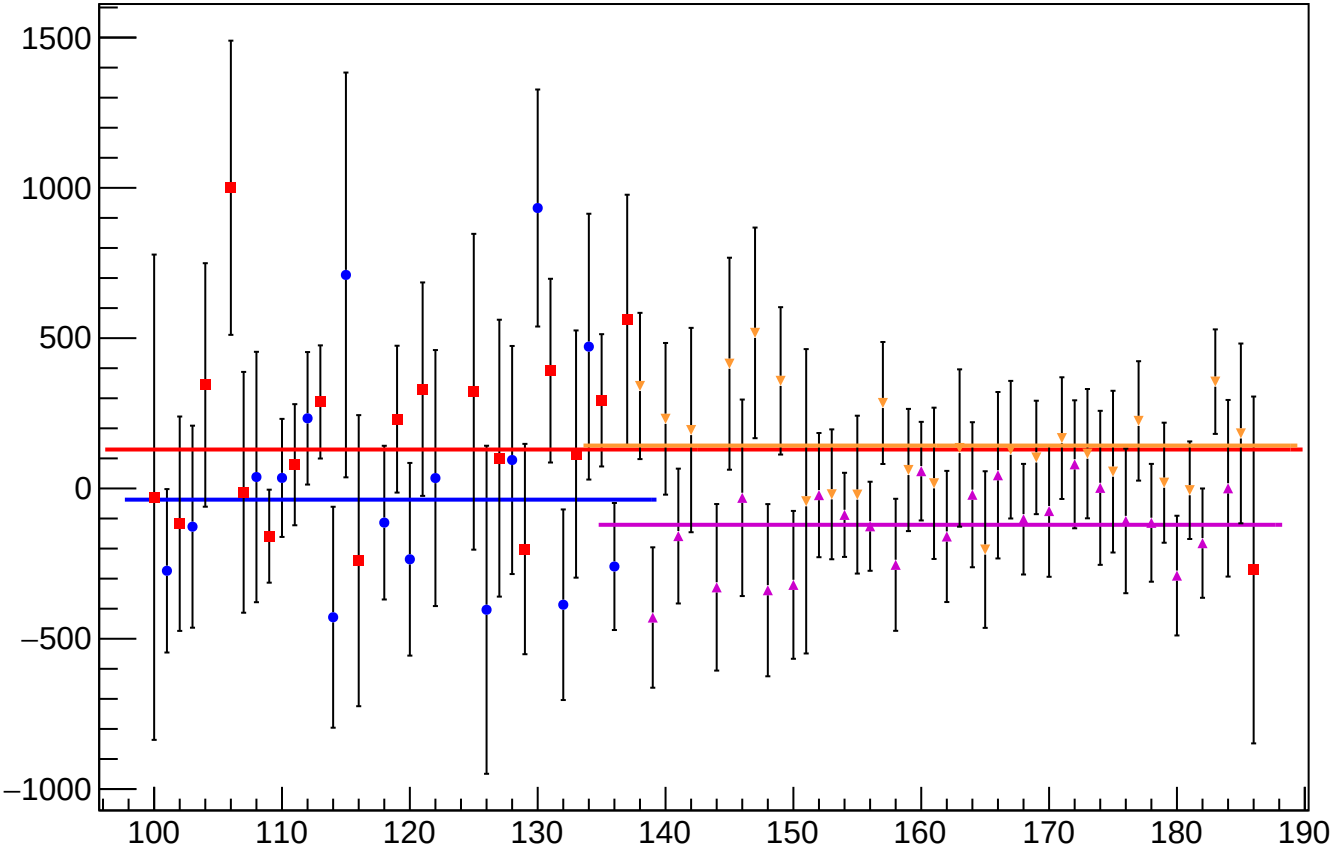
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.958+/-0.002 χ^2/NDF: 189284.3/39

All: 16.972+/-0.002 χ^2/NDF: 372814.0/81

\- sign 16.985+/-0.002 χ^2/NDF: 183463.9/41

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 129.521+/-68.666 χ^2/NDF: 13.3/18

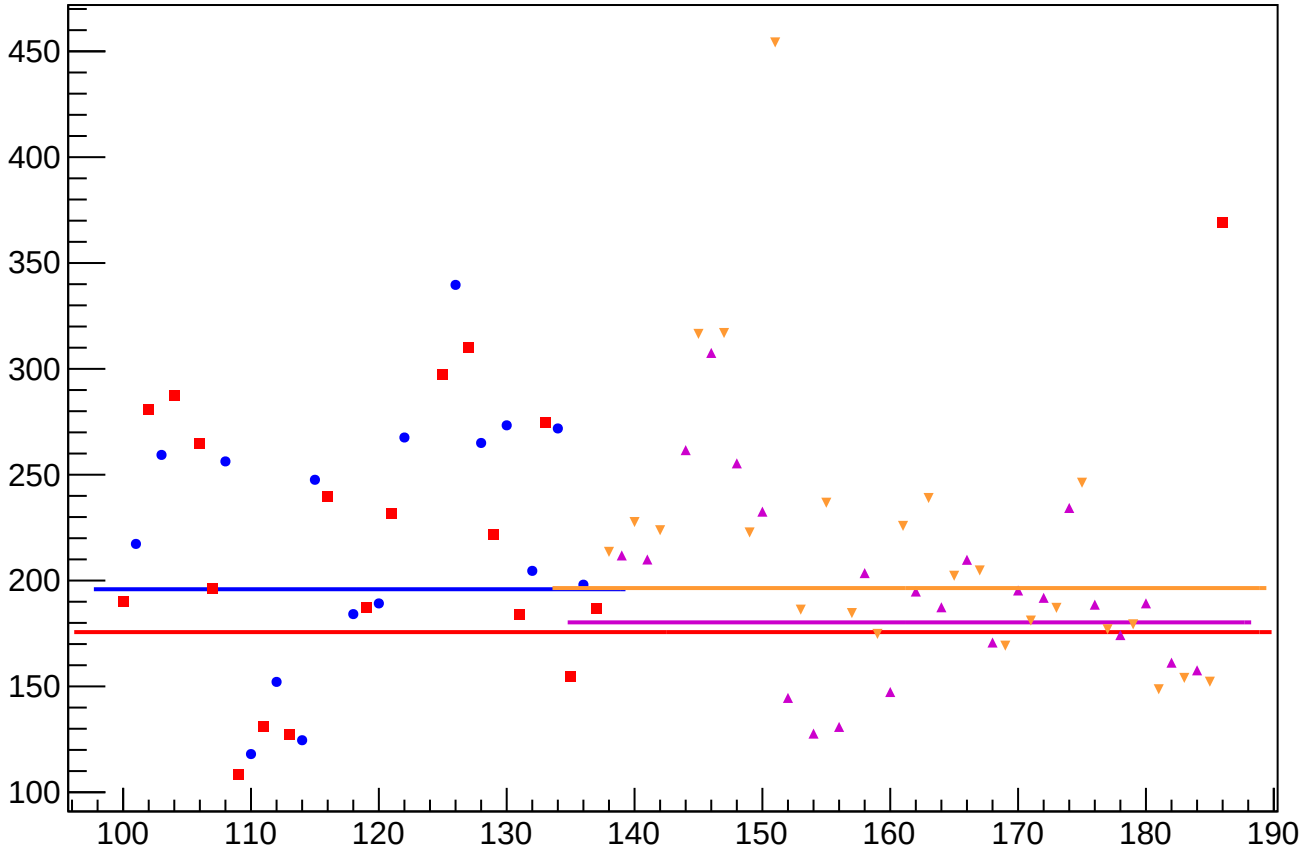
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 93.339+/-40.283 χ^2/NDF: 29.8/39

All: 16.752+/-27.267 χ^2/NDF: 67.4/81

- sign -48.011+/-37.043 χ^2/NDF: 31.0/41

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 175.650+/-0.049 χ^2/NDF: 1770934.0/18

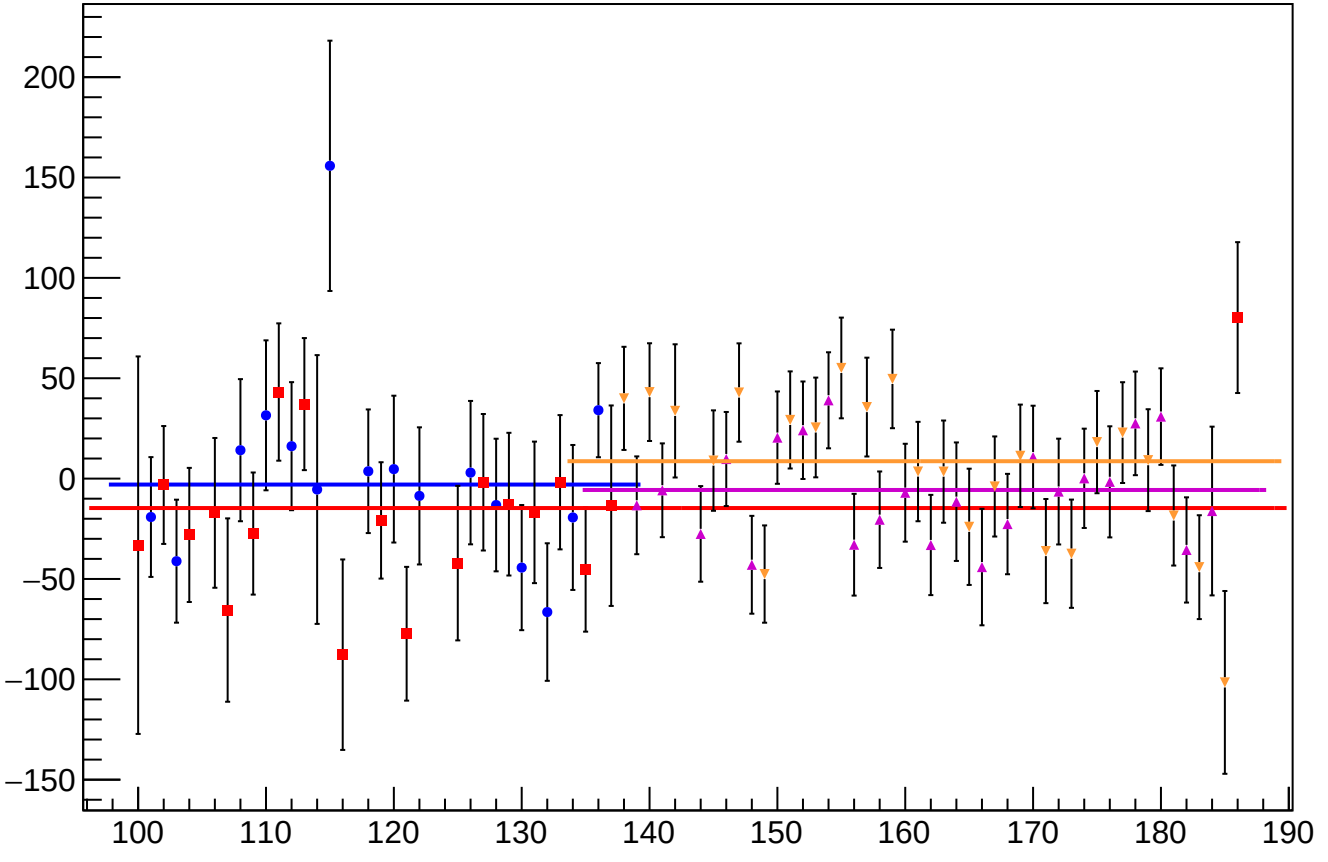
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 196.300+/-0.028 χ^2/NDF: 2734616.3/39

All: 186.878+/-0.019 χ^2/NDF: 6341646.8/81

- sign 178.910+/-0.026 χ^2/NDF: 3405068.3/41

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -14.668+/-8.180 χ^2/NDF: 21.2/18

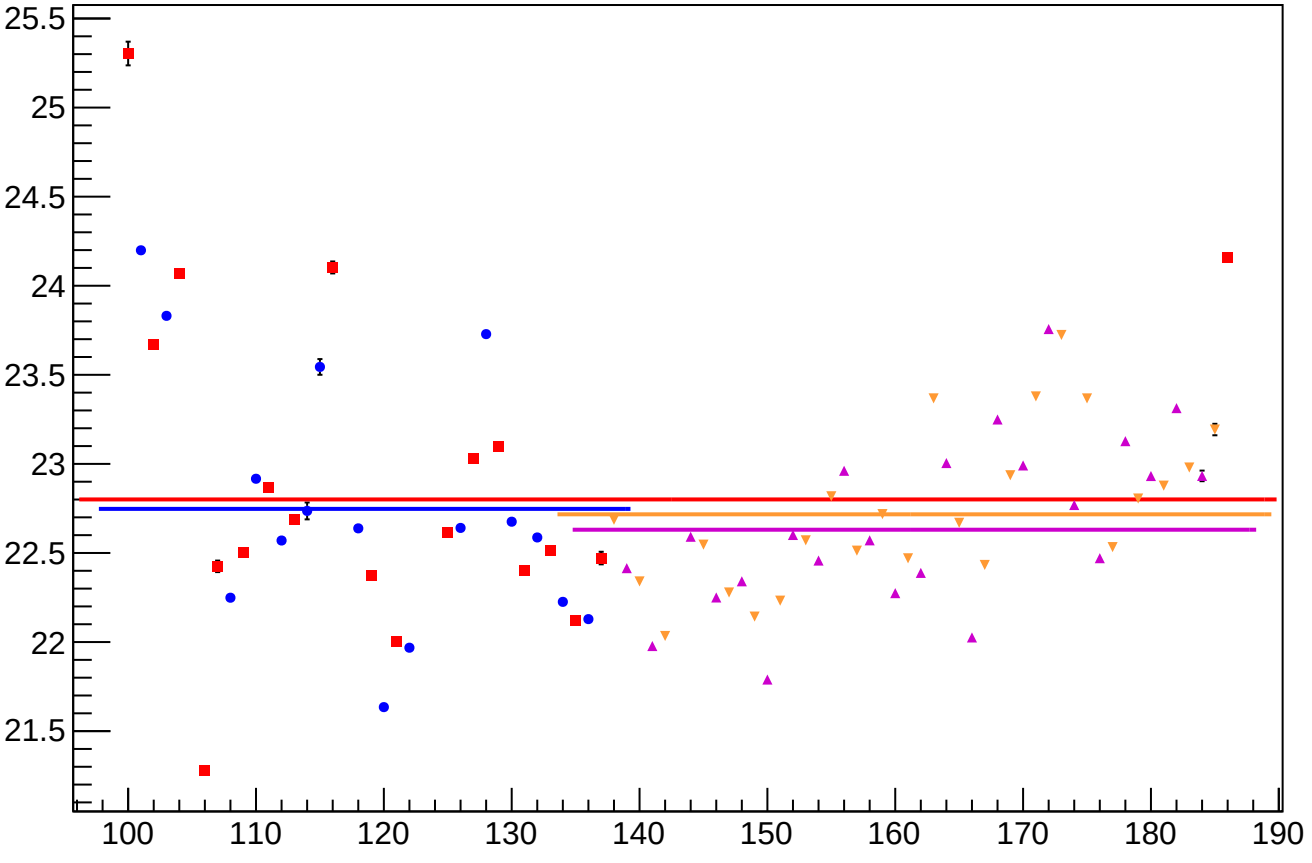
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 5.405+/-4.475 χ^2/NDF: 58.5/39

All: -1.511+/-3.152 χ^2/NDF: 106.1/81

- sign -8.319+/-4.440 χ^2/NDF: 42.9/41

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.801+/-0.006 χ^2/NDF: 17135.2/18

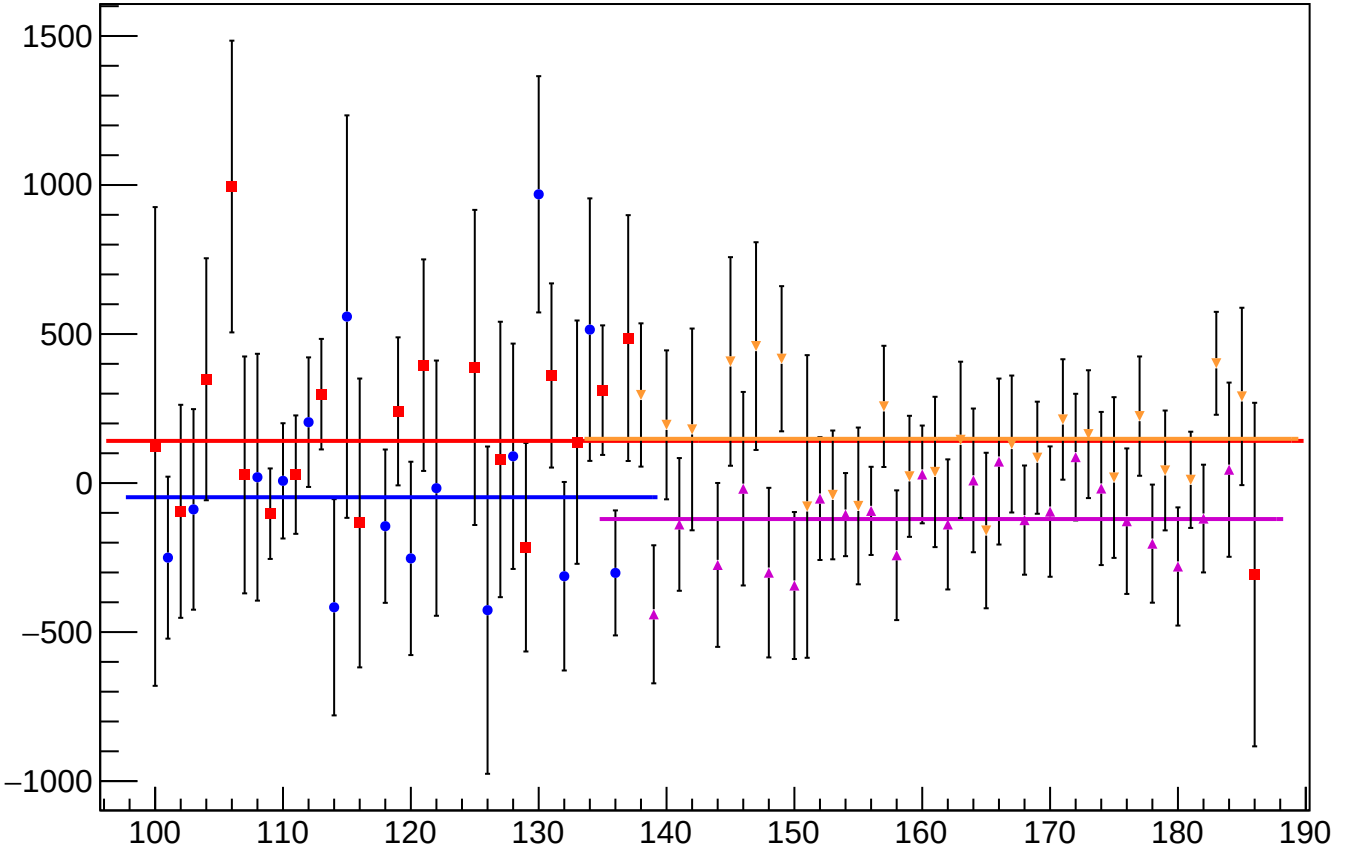
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.726+/-0.003 χ^2/NDF: 26819.0/39

All: 22.703+/-0.002 χ^2/NDF: 60056.3/81

- sign 22.681+/-0.003 χ^2/NDF: 33135.8/41

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 141.447+/-68.177 χ^2/NDF: 12.1/18

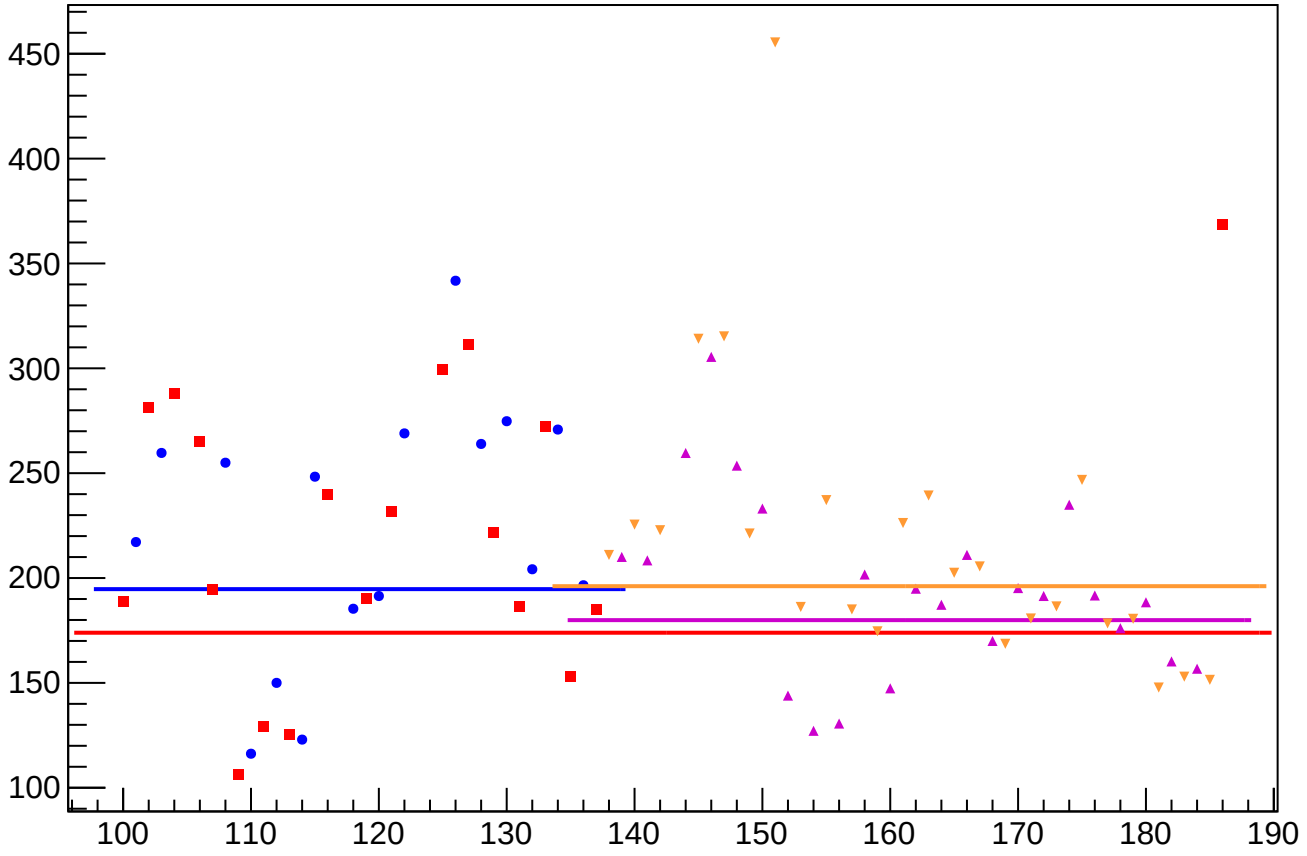
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 94.448+/-40.188 χ^2/NDF: 31.1/39

All: 19.447+/-27.189 χ^2/NDF: 68.0/81

- sign -43.859+/-36.922 χ^2/NDF: 30.5/41

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 173.921+/-0.048 χ^2/NDF: 1843580.5/18

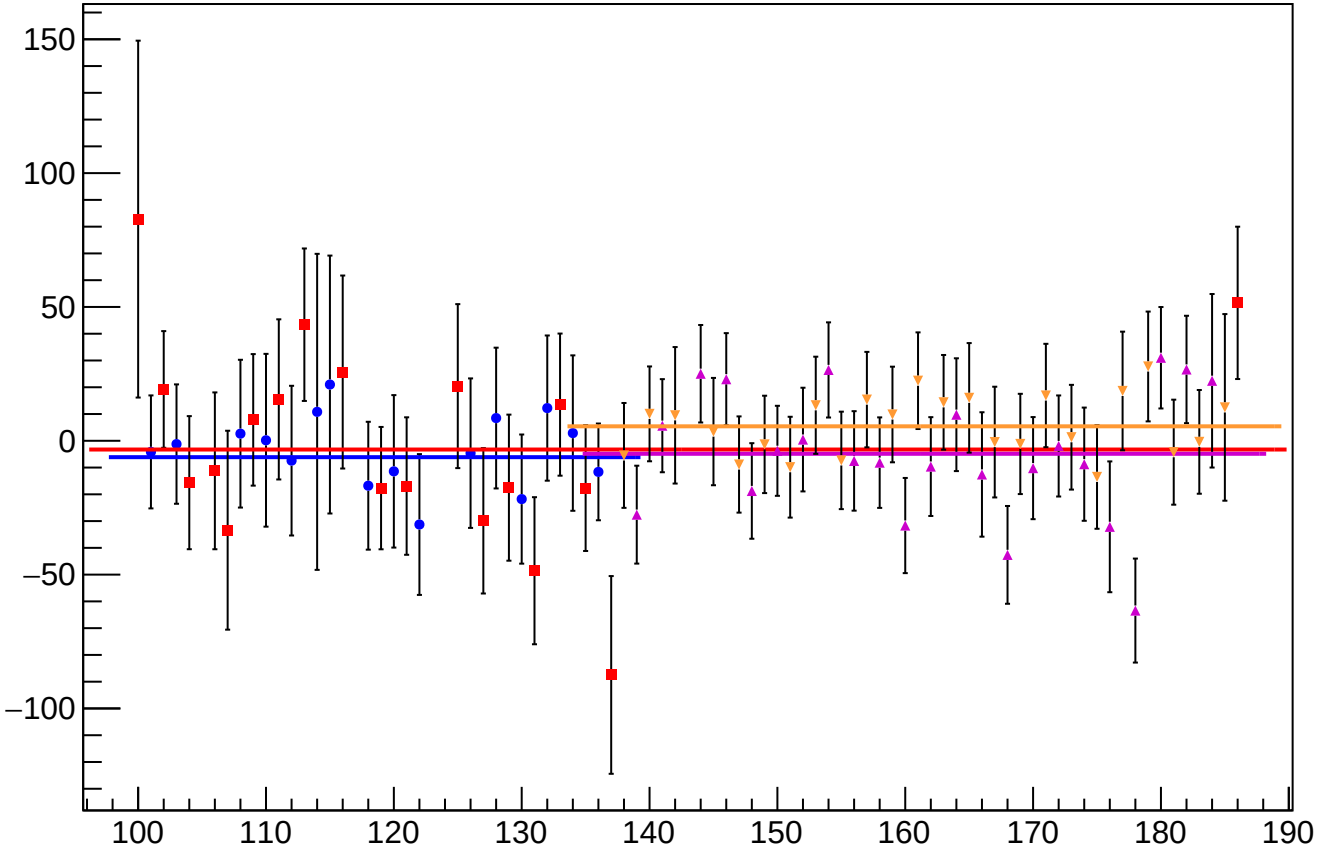
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 195.725+/-0.028 χ^2/NDF: 2779061.4/39

All: 186.202+/-0.019 χ^2/NDF: 6464871.5/81

- sign 178.163+/-0.026 χ^2/NDF: 3478682.5/41

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -3.264+/-6.411 χ^2/NDF: 22.5/18

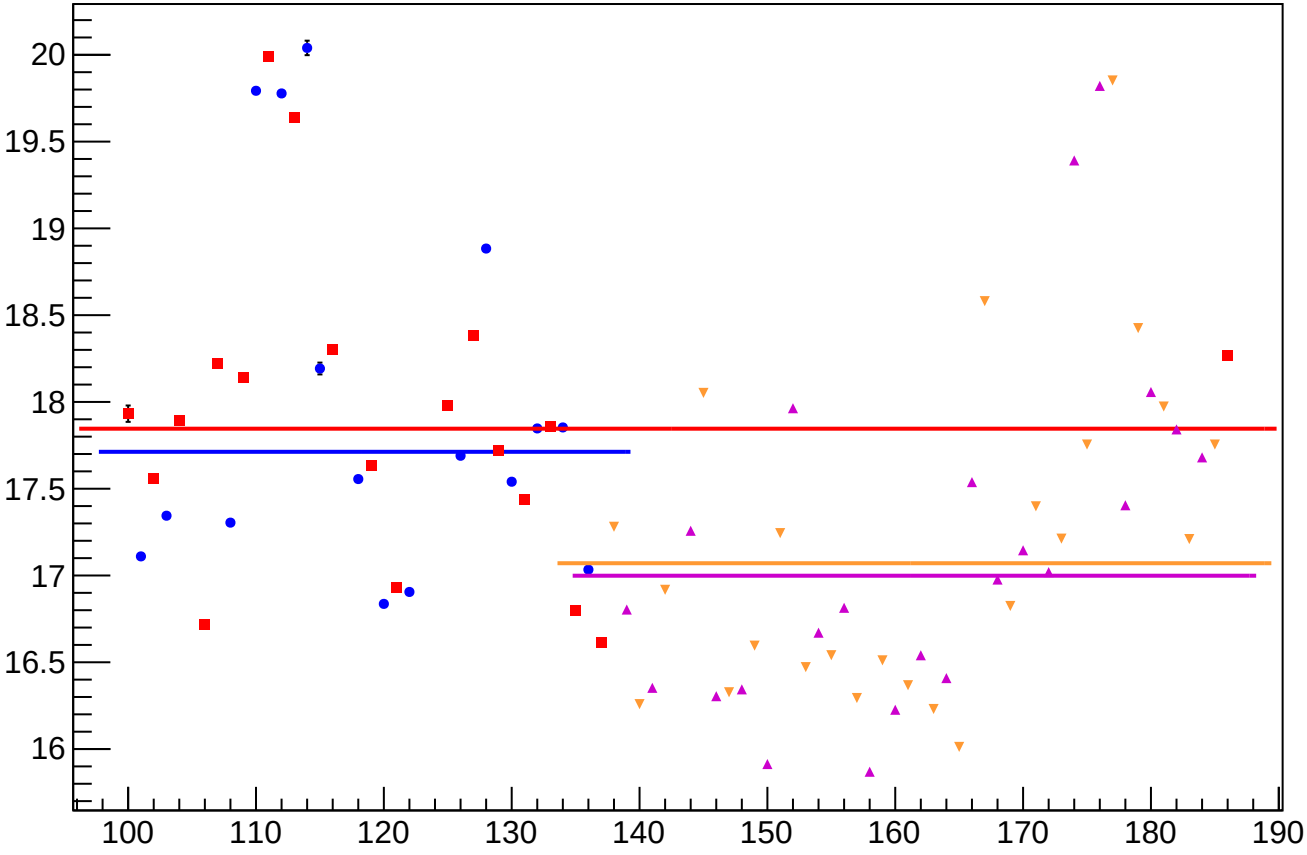
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 2.336+/-3.402 χ^2/NDF: 13.1/39

All: -1.060+/-2.398 χ^2/NDF: 73.2/81

- sign -4.415+/-3.382 χ^2/NDF: 58.1/41

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.846+/-0.005 χ^2/NDF: 32970.3/18

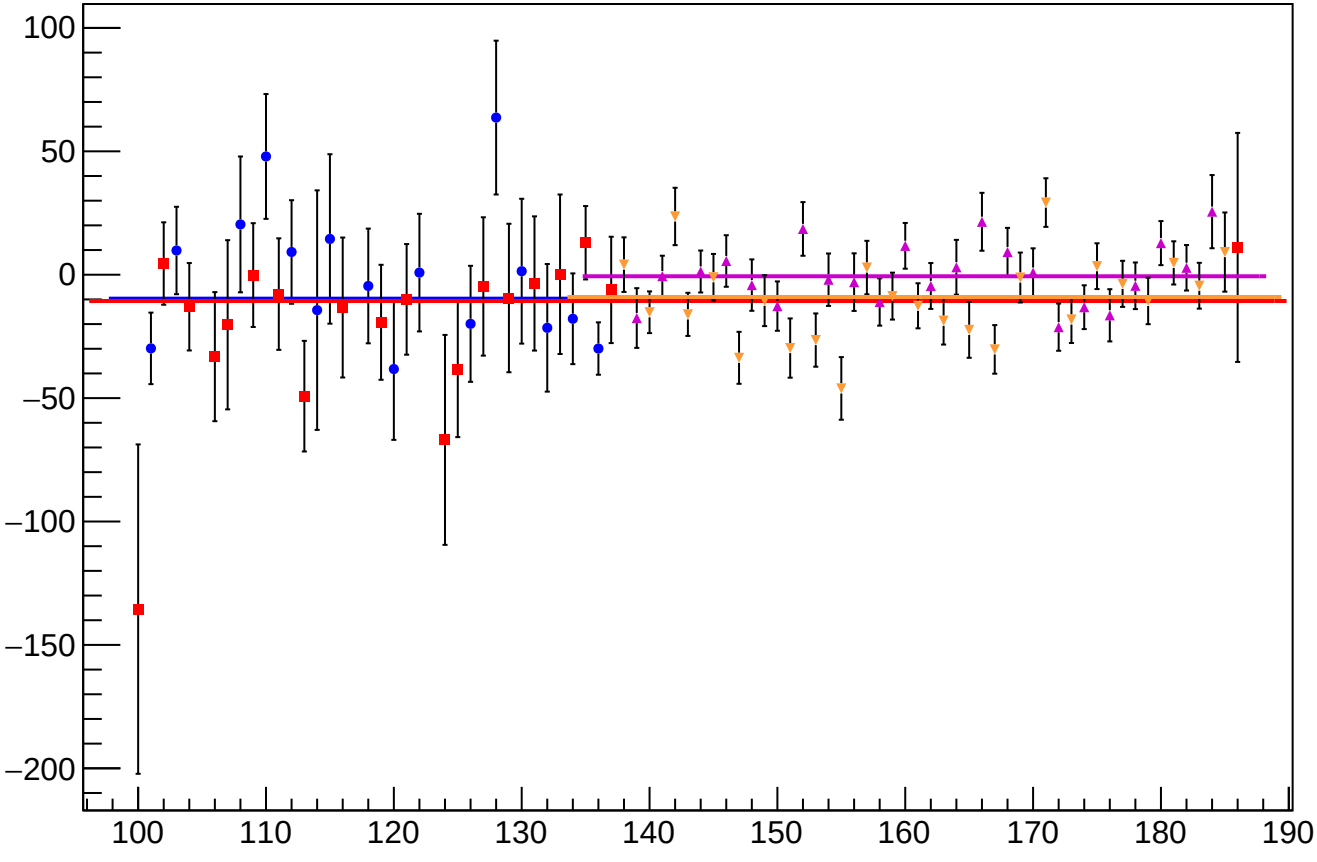
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.242+/-0.002 χ^2/NDF: 146210.1/39

All: 17.238+/-0.002 χ^2/NDF: 308410.1/81

\- sign 17.234+/-0.002 χ^2/NDF: 162195.5/41

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -10.641+/-5.399 χ^2/NDF: 14.3/19

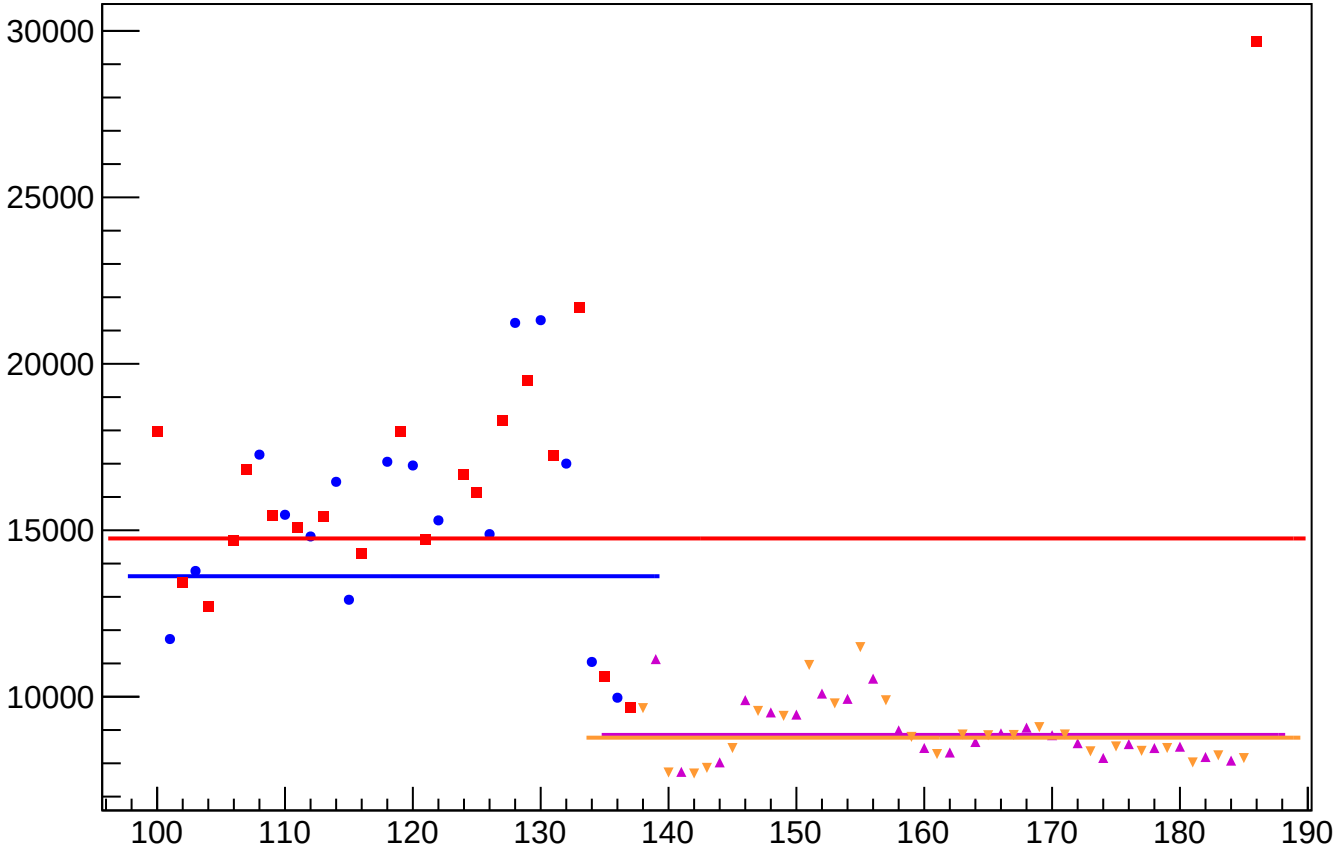
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.114+/-1.873 χ^2/NDF: 84.0/40

All: -5.644+/-1.348 χ^2/NDF: 137.9/83

- sign -1.921+/-1.940 χ^2/NDF: 46.8/42

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 14754.439+/-3.818 χ^2/NDF: 765511.6/19

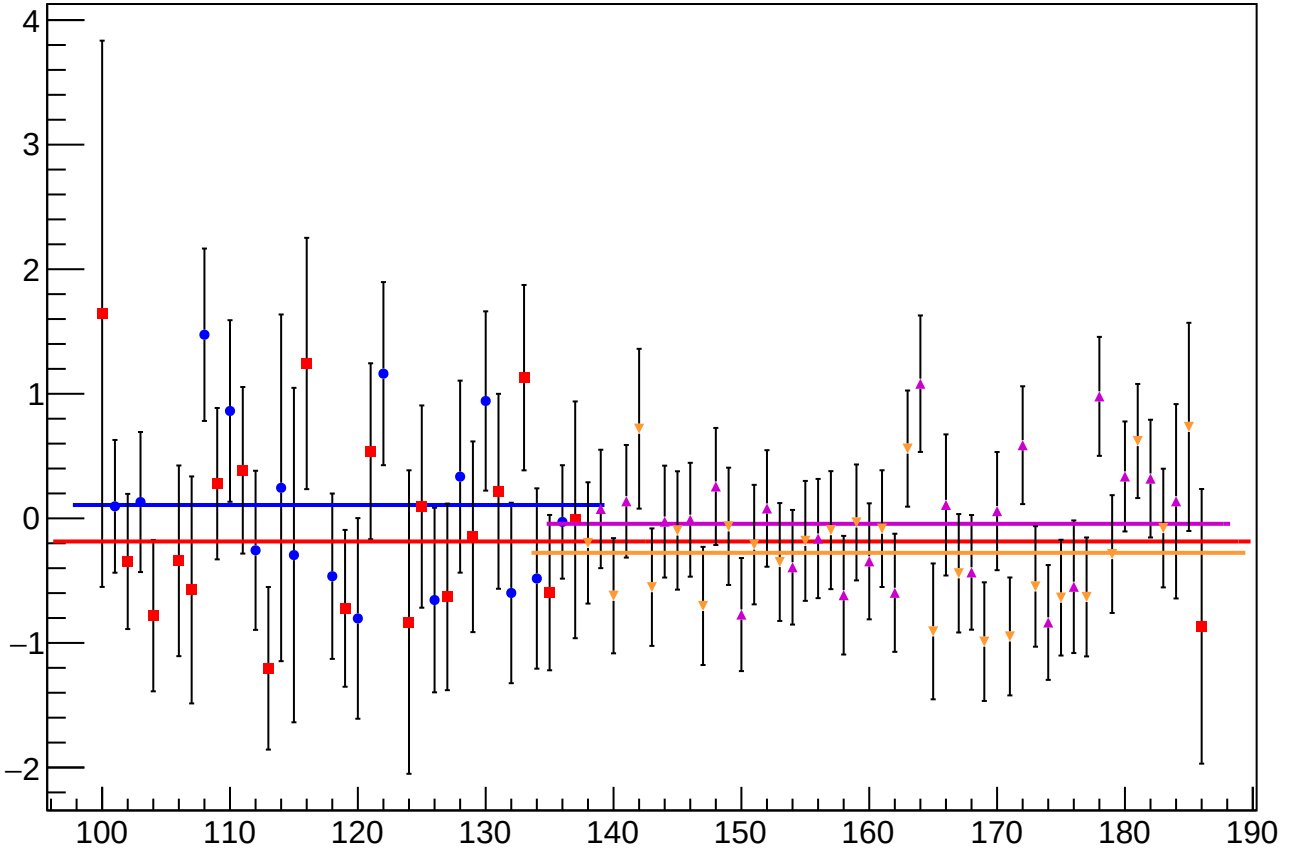
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9392.219+/-1.325 χ^2/NDF: 2590434.9/40

All: 9499.705+/-0.953 χ^2/NDF: 5750327.8/83

- sign 9615.015+/-1.372 χ^2/NDF: 3146245.8/42

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.186+/-0.167 χ^2/NDF: 14.5/19

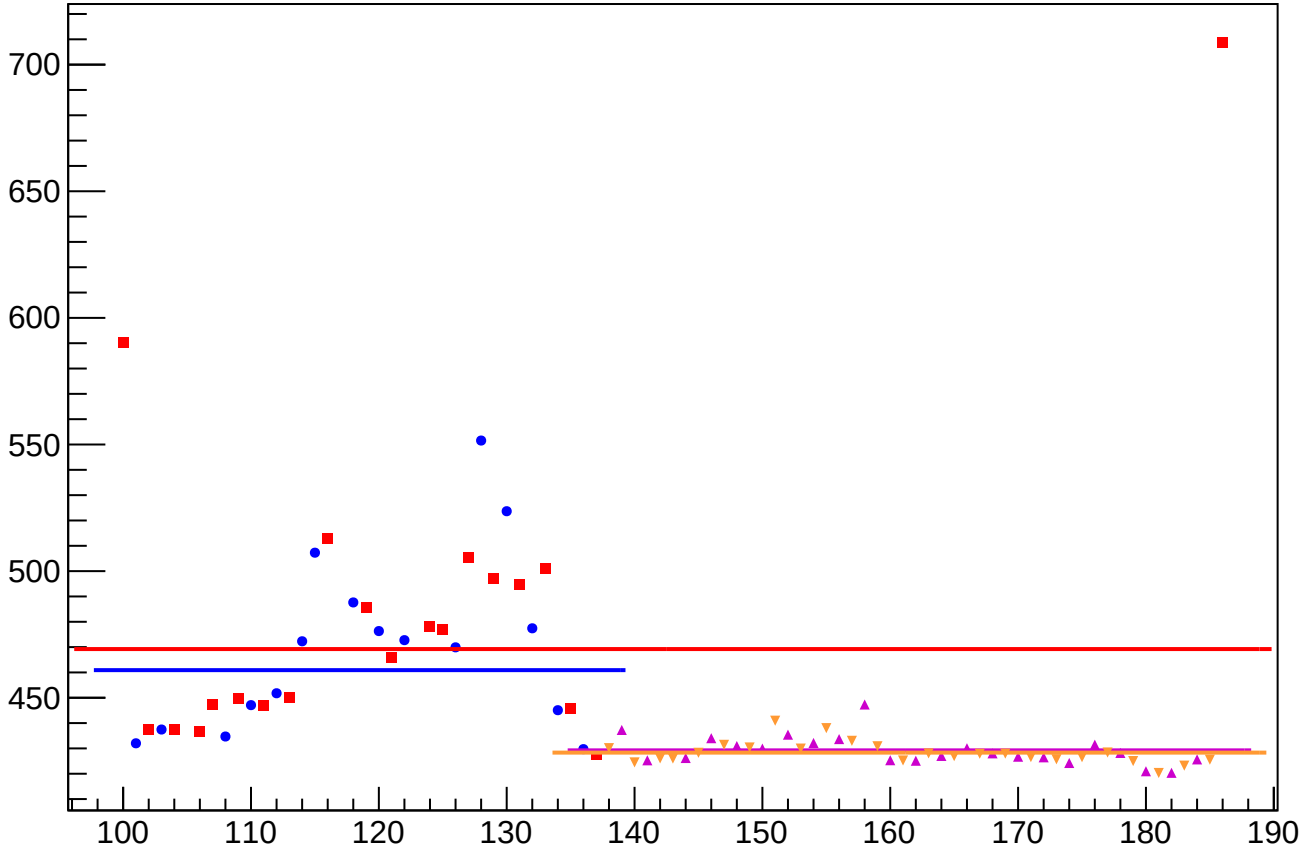
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.183+/-0.085 χ^2/NDF: 38.5/40

All: -0.133+/-0.060 χ^2/NDF: 78.0/83

- sign -0.081+/-0.086 χ^2/NDF: 38.8/42

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 469.230+/-0.118 χ^2/NDF: 148765.5/19

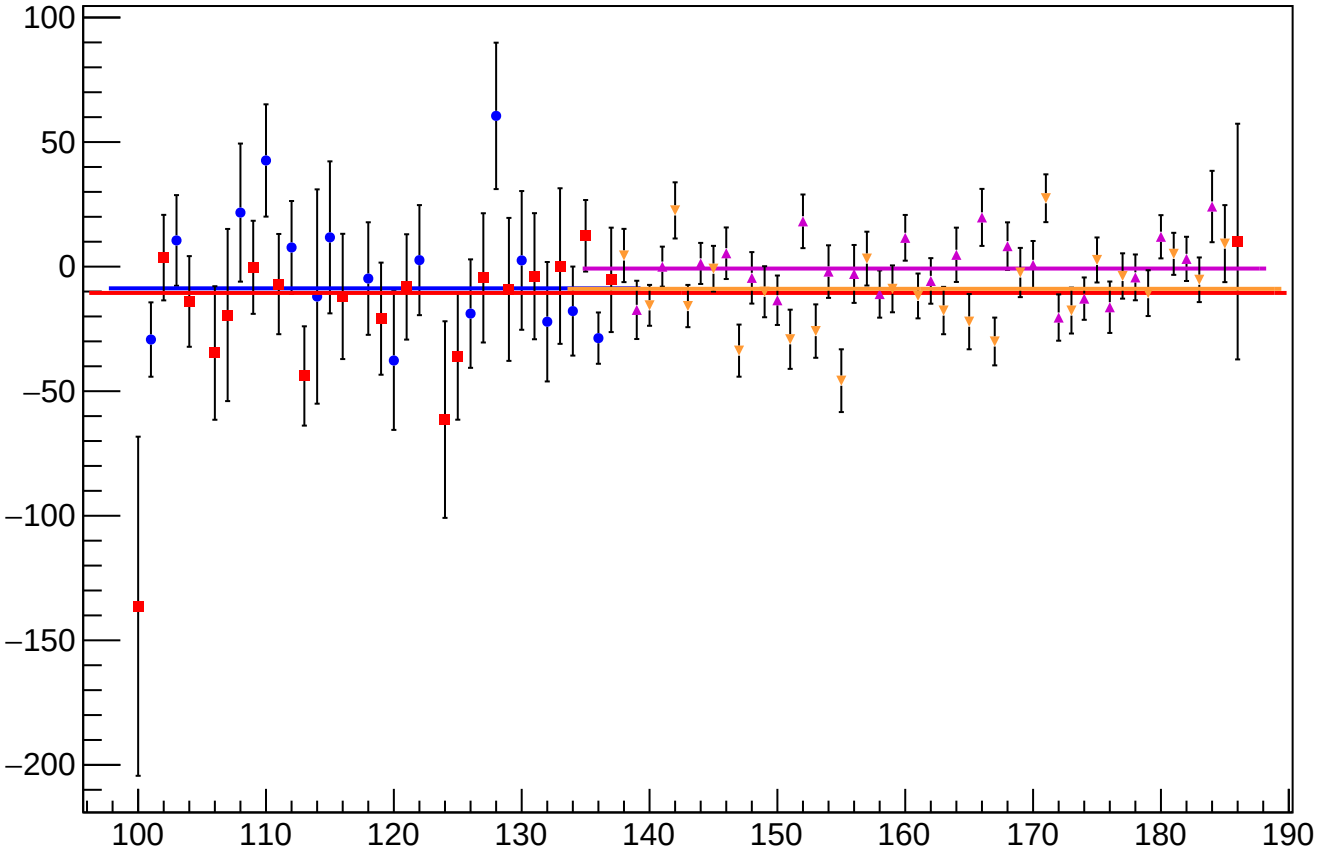
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 436.258+/-0.060 χ^2/NDF: 133392.1/40

All: 437.990+/-0.043 χ^2/NDF: 374621.6/83

- sign 439.778+/-0.061 χ^2/NDF: 239528.4/42

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: -10.559+/-5.161 χ^2/NDF: 14.1/19

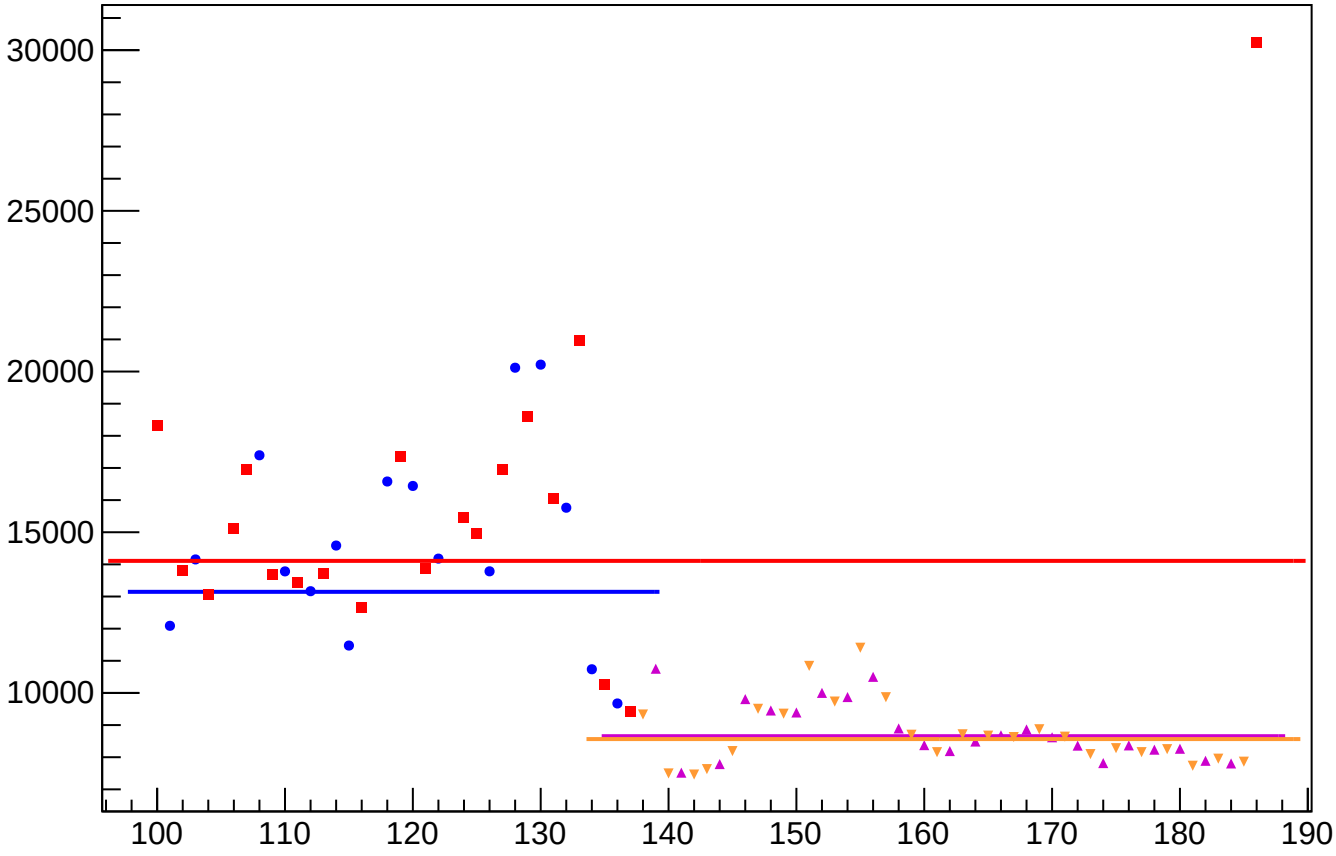
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -8.878+/-1.827 χ^2/NDF: 83.8/40

All: -5.602+/-1.314 χ^2/NDF: 137.0/83

- sign -2.088+/-1.892 χ^2/NDF: 46.5/42

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

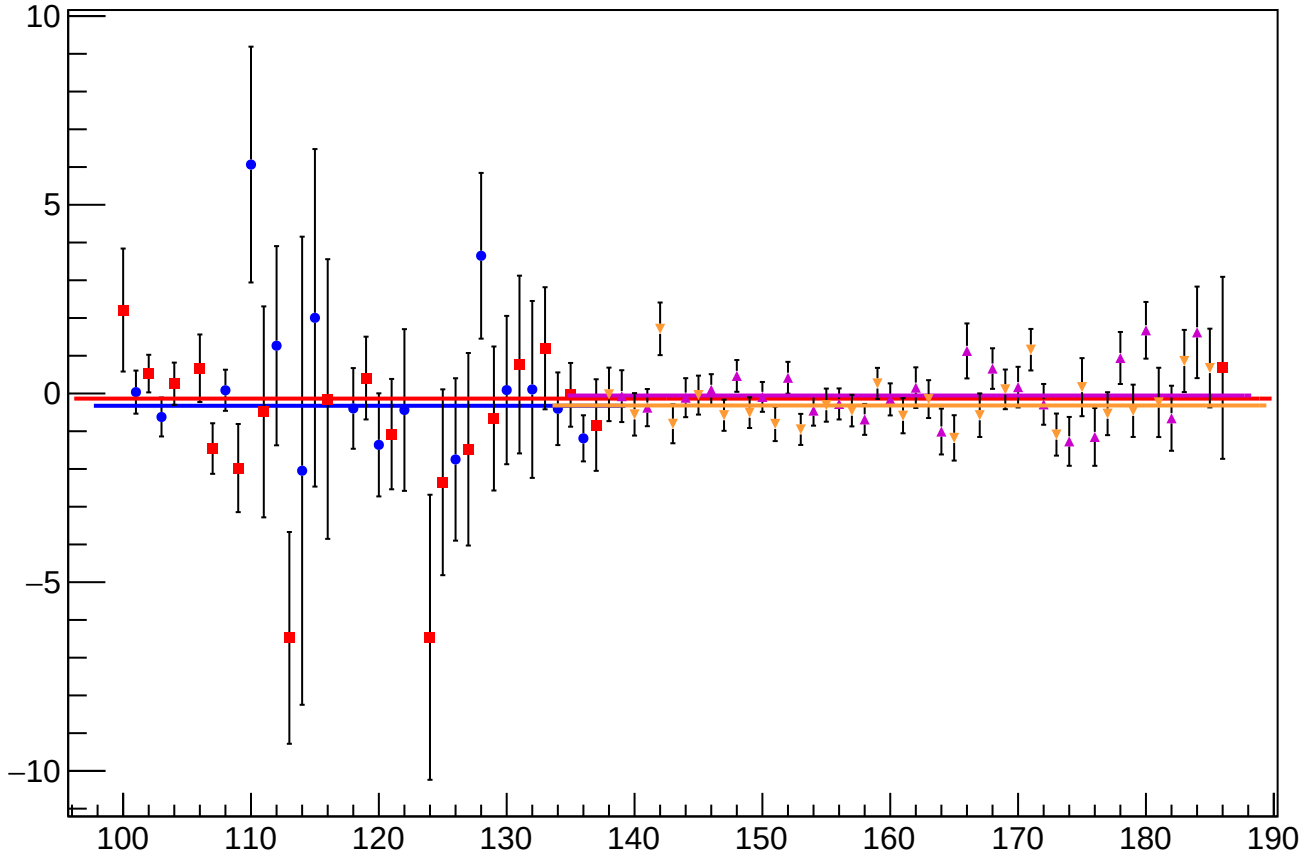
Right Out: 14108.953+/-3.649 χ^2/NDF: 746097.6/19

Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9167.602+/-1.292 χ^2/NDF: 2520729.0/40

All: 9273.799+/-0.929 χ^2/NDF: 5560446.8/83

- sign 9387.688+/-1.338 χ^2/NDF: 3025717.2/42



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.136+/-0.243 χ^2/NDF: 22.6/19

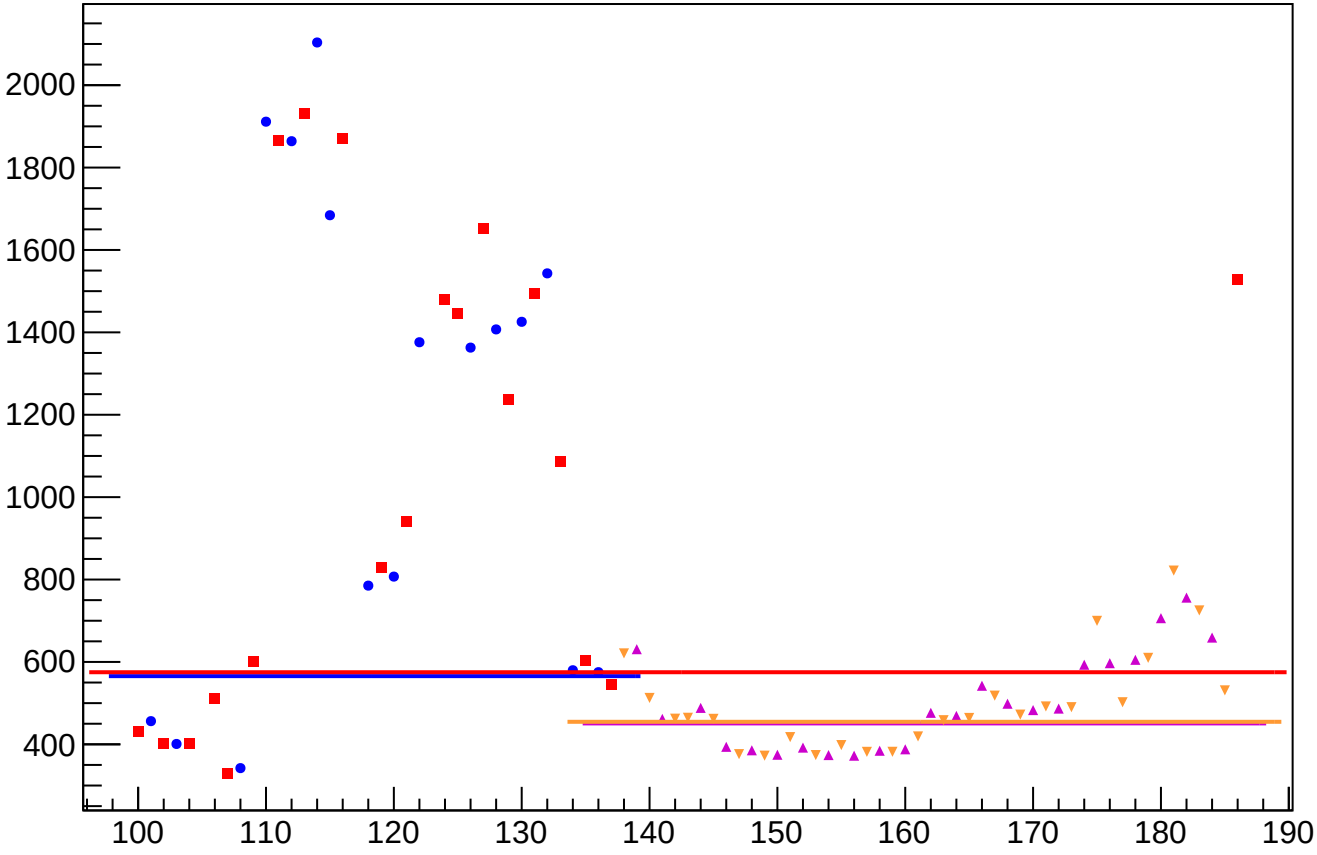
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.319+/-0.097 χ^2/NDF: 44.9/40

All: -0.195+/-0.069 χ^2/NDF: 100.6/83

- sign -0.068+/-0.099 χ^2/NDF: 52.5/42

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 575.020+/-0.172 χ^2/NDF: 3887843.4/19

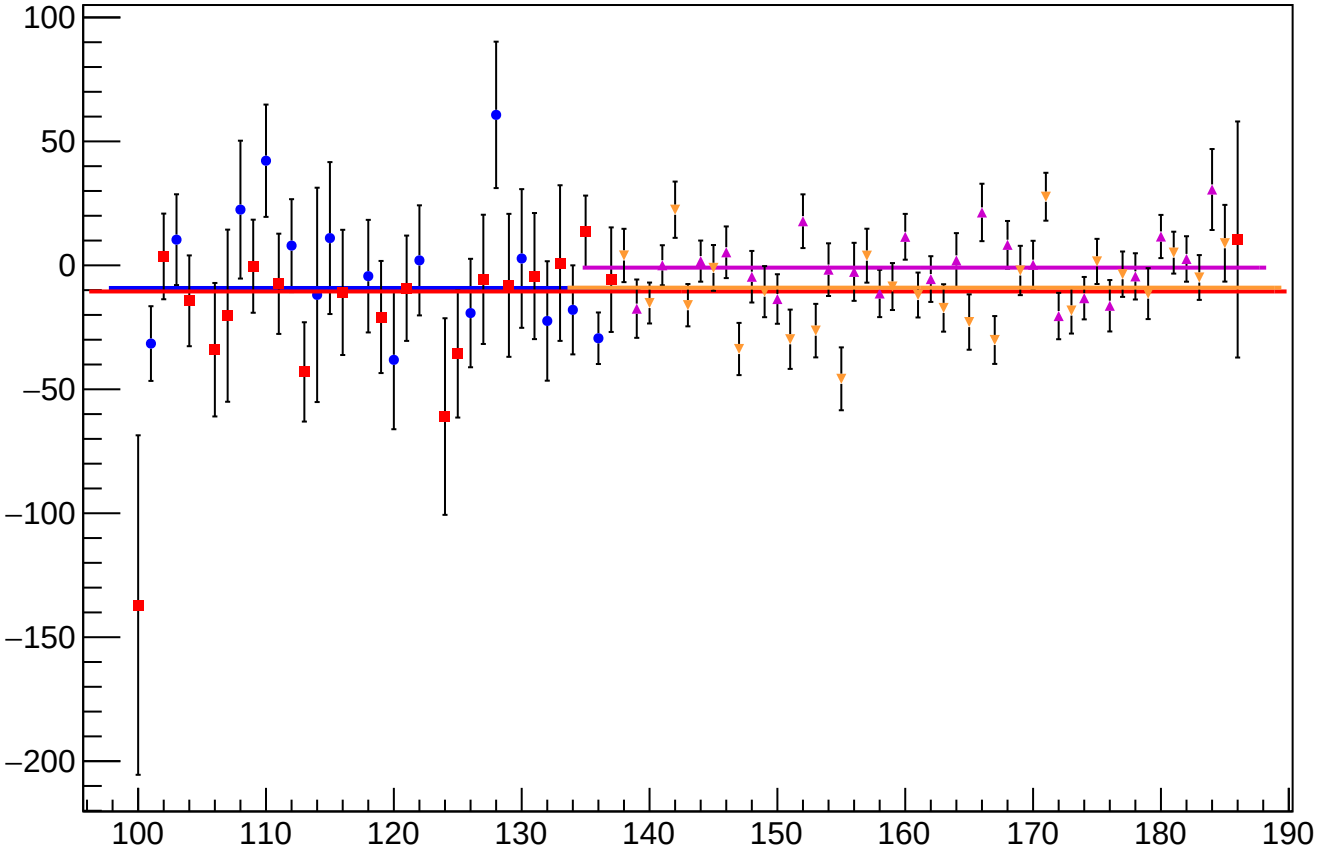
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 472.271+/-0.069 χ^2/NDF: 5248768.8/40

All: 471.788+/-0.049 χ^2/NDF: 11044320.0/83

- sign 471.289+/-0.070 χ^2/NDF: 5795450.6/42

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: -10.535+/-5.196 χ^2/NDF: 13.9/19

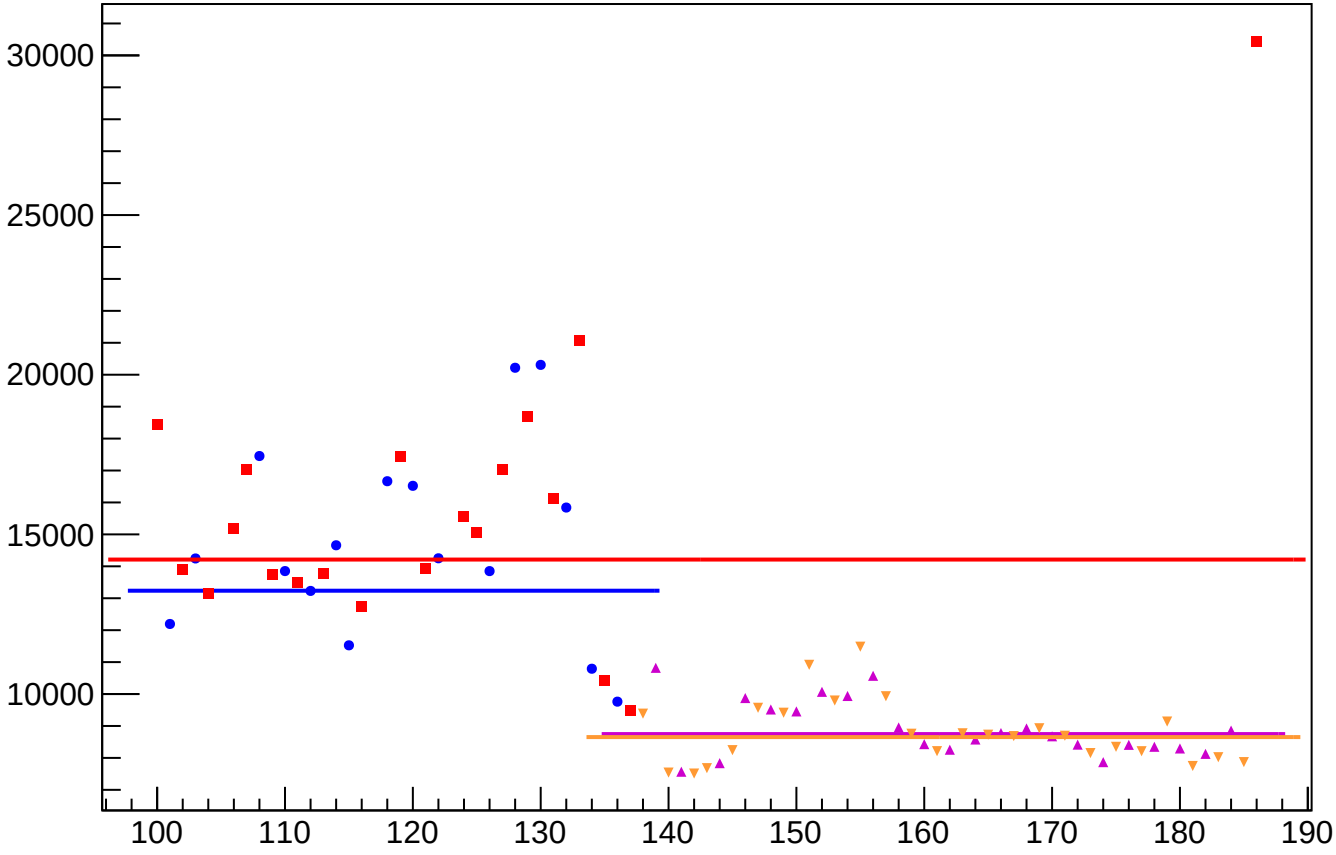
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

\+ sign -9.018+/-1.846 χ^2/NDF: 84.0/40

All: -5.741+/-1.328 χ^2/NDF: 137.3/83

\- sign -2.226+/-1.911 χ^2/NDF: 46.7/42

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 14211.505+/-3.674 χ^2/NDF: 733385.6/19

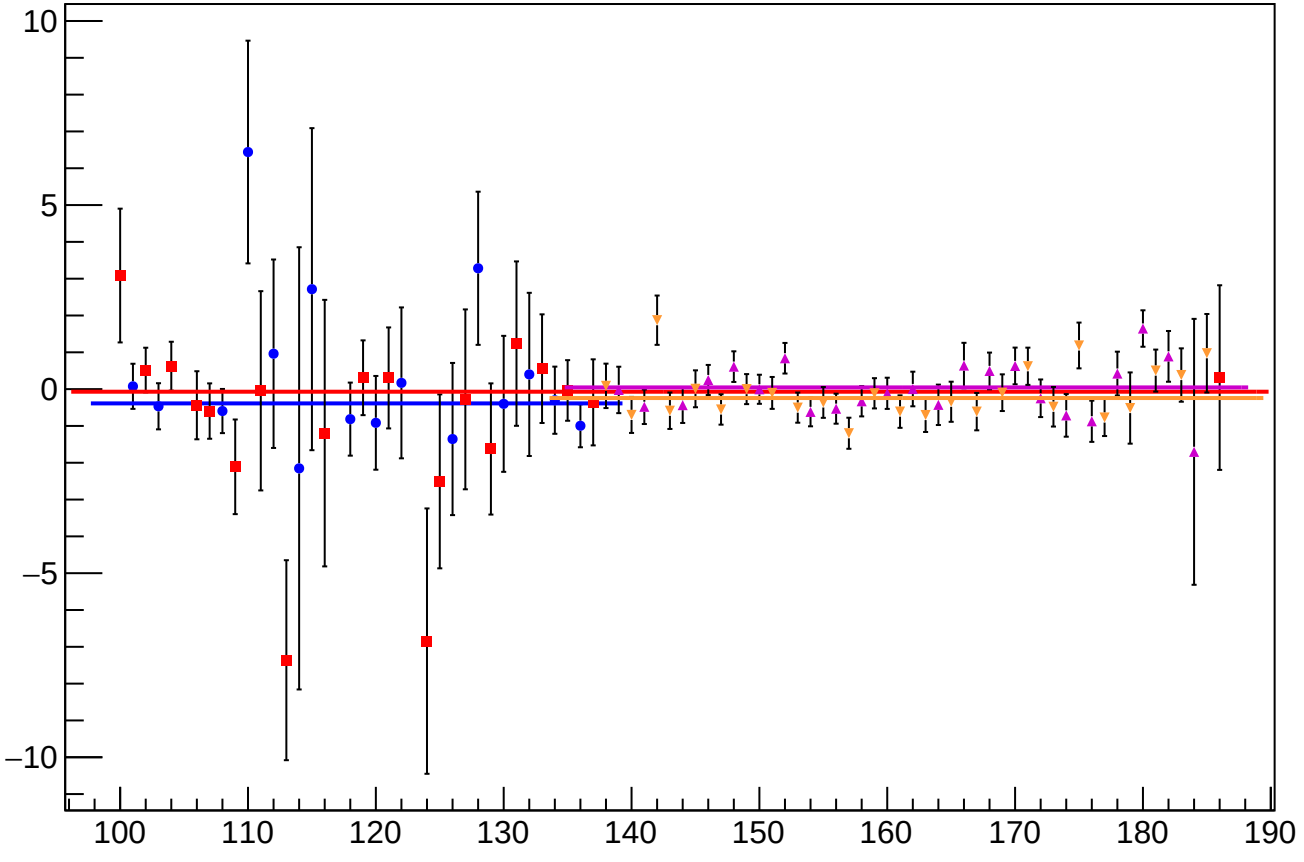
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 9259.578+/-1.305 χ^2/NDF: 2497893.0/40

All: 9368.682+/-0.939 χ^2/NDF: 5490115.0/83

- sign 9485.696+/-1.352 χ^2/NDF: 2977738.9/42

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.070+/-0.263 χ^2/NDF: 21.7/19

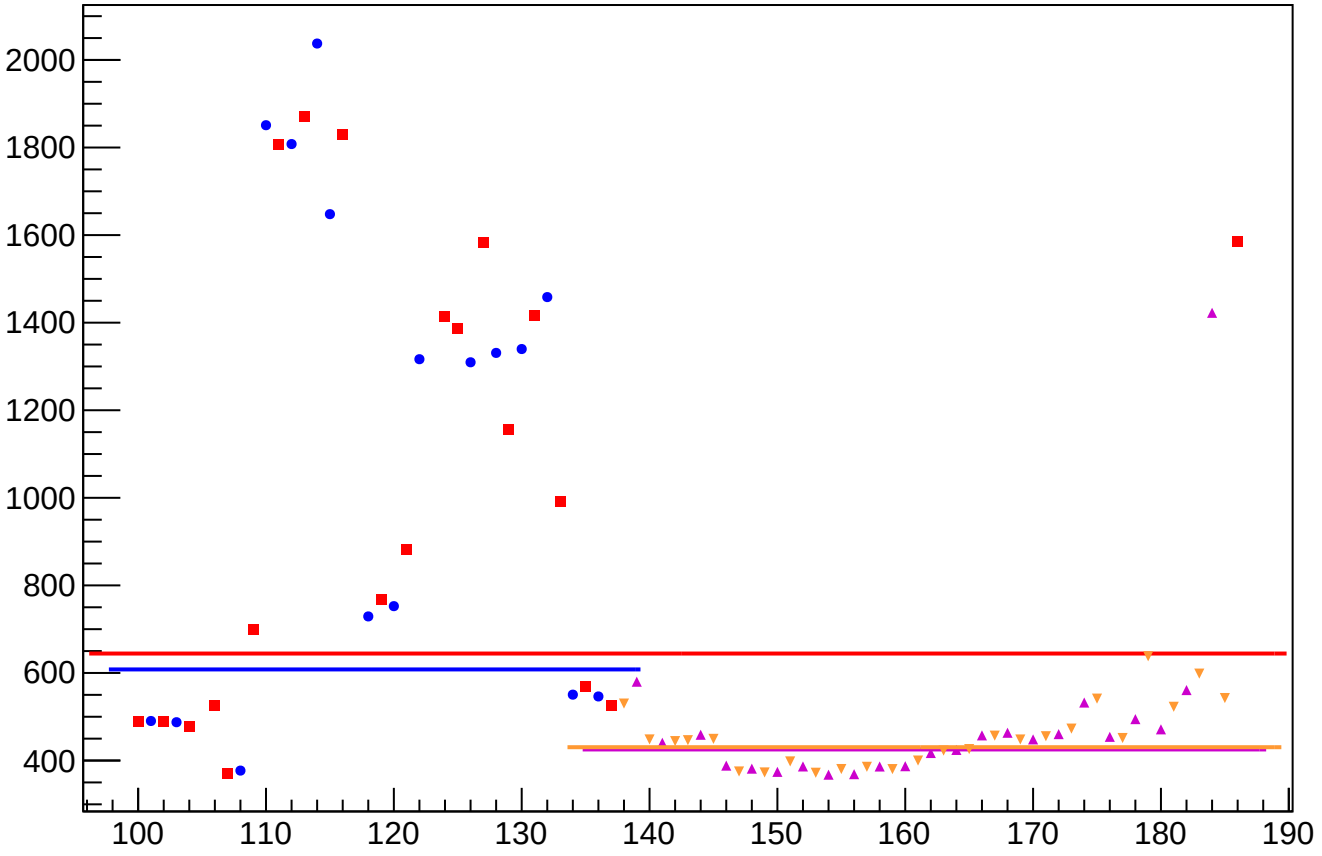
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.262+/-0.093 χ^2/NDF: 46.2/40

All: -0.117+/-0.066 χ^2/NDF: 108.0/83

- sign 0.031+/-0.095 χ^2/NDF: 56.9/42

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 644.360+/-0.186 χ^2/NDF: 3073568.8/19

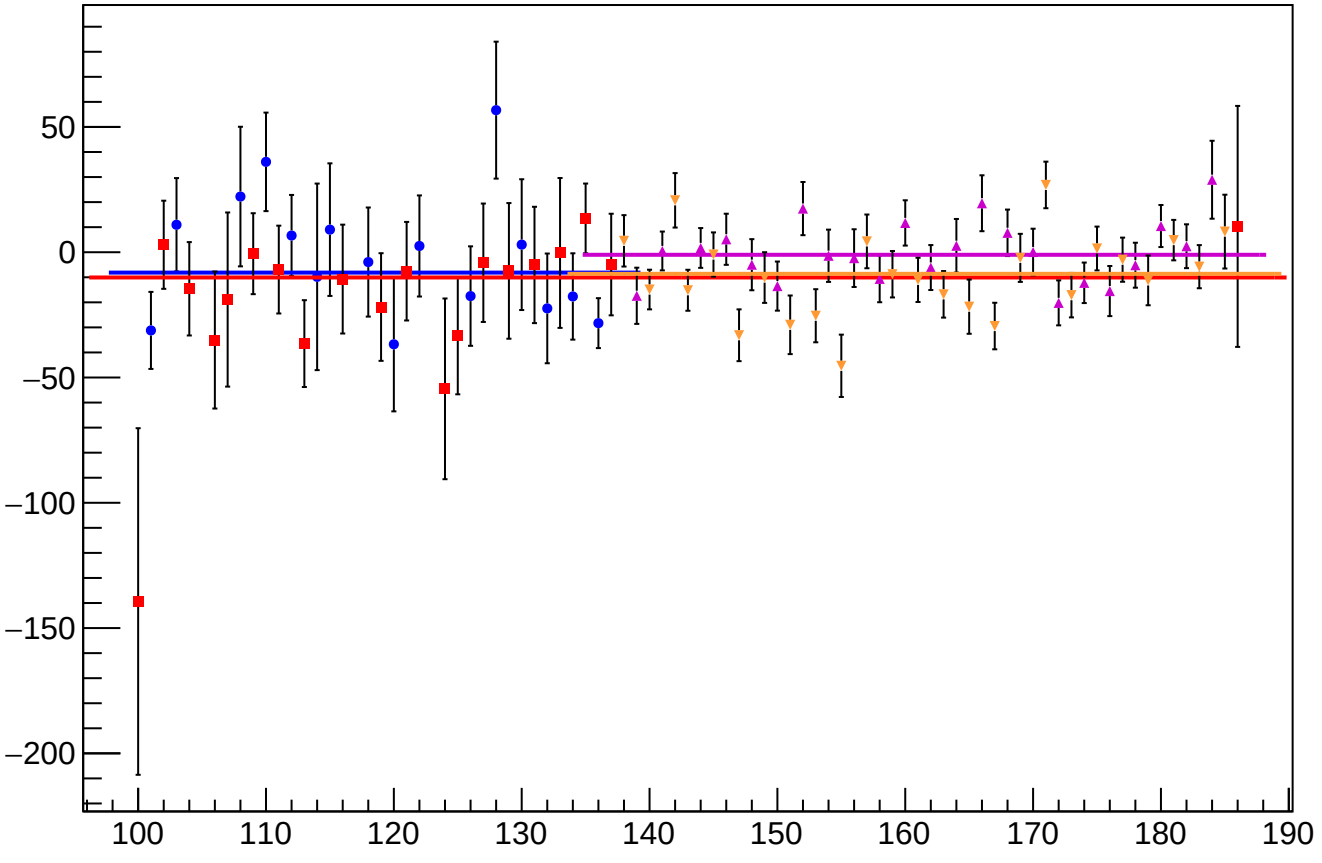
Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 454.086+/-0.066 χ^2/NDF: 4337445.3/40

All: 453.915+/-0.047 χ^2/NDF: 9334767.9/83

- sign 453.738+/-0.067 χ^2/NDF: 4997308.9/42

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: -10.078+/-4.849 χ^2/NDF: 13.9/19

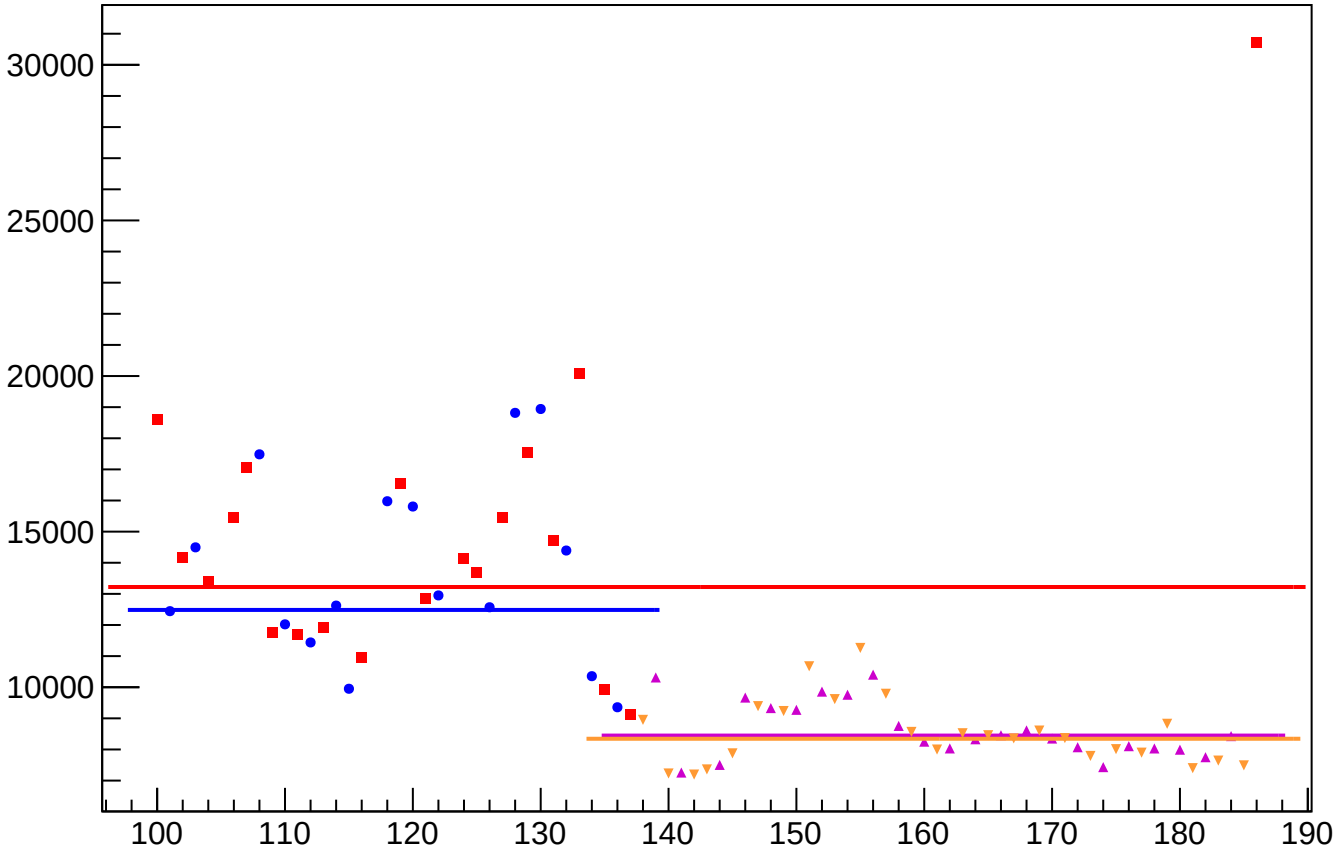
Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -8.555+/-1.776 χ^2/NDF: 84.7/40

All: -5.549+/-1.277 χ^2/NDF: 137.3/83

- sign -2.328+/-1.838 χ^2/NDF: 46.6/42

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

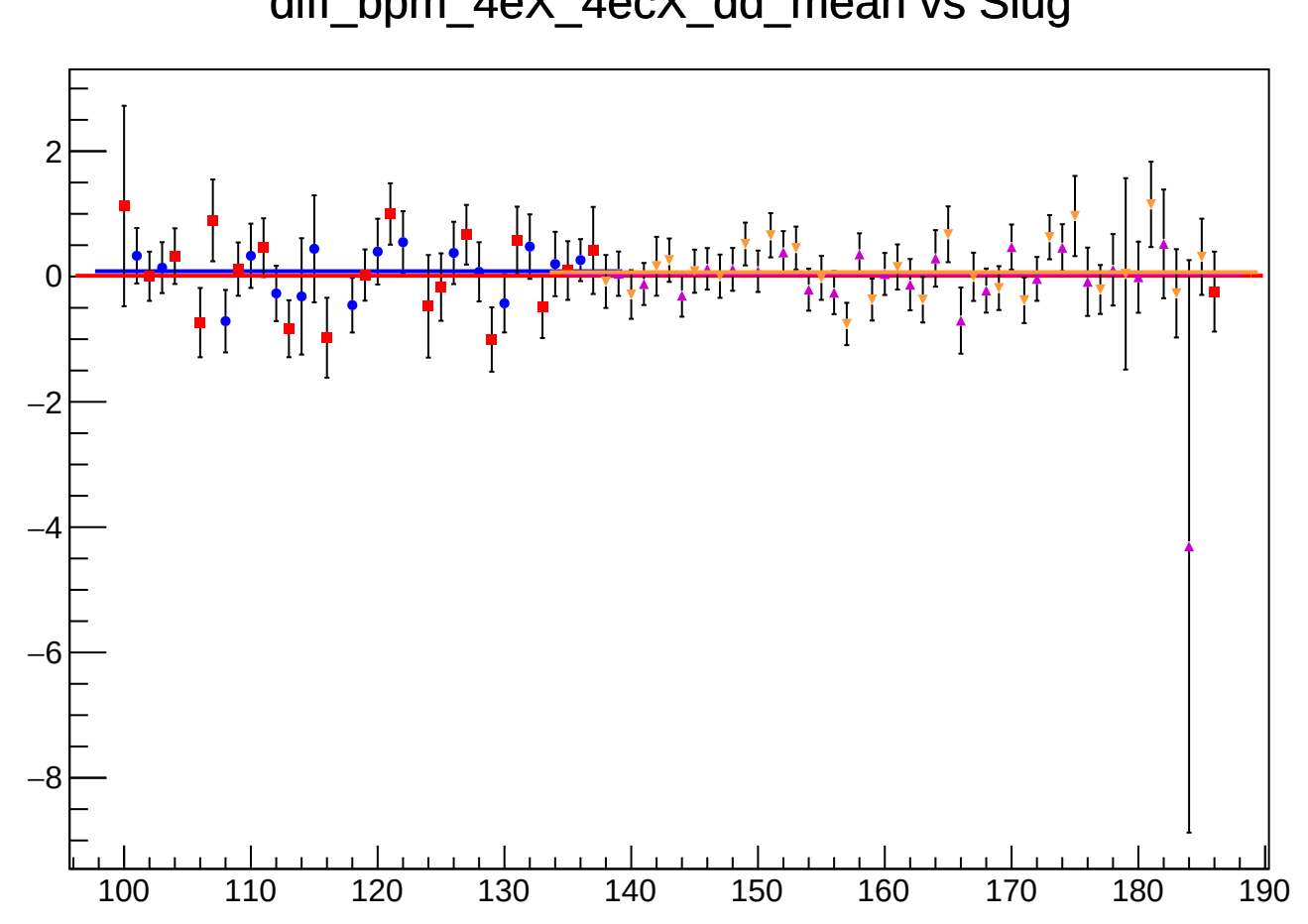
Right Out: 13220.843+/-3.428 χ^2/NDF: 811723.9/19

Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 8916.017+/-1.256 χ^2/NDF: 2434166.6/40

All: 9020.759+/-0.903 χ^2/NDF: 5302542.4/83

- sign 9132.976+/-1.300 χ^2/NDF: 2853967.0/42



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.012+/-0.116 χ^2/NDF: 24.5/19

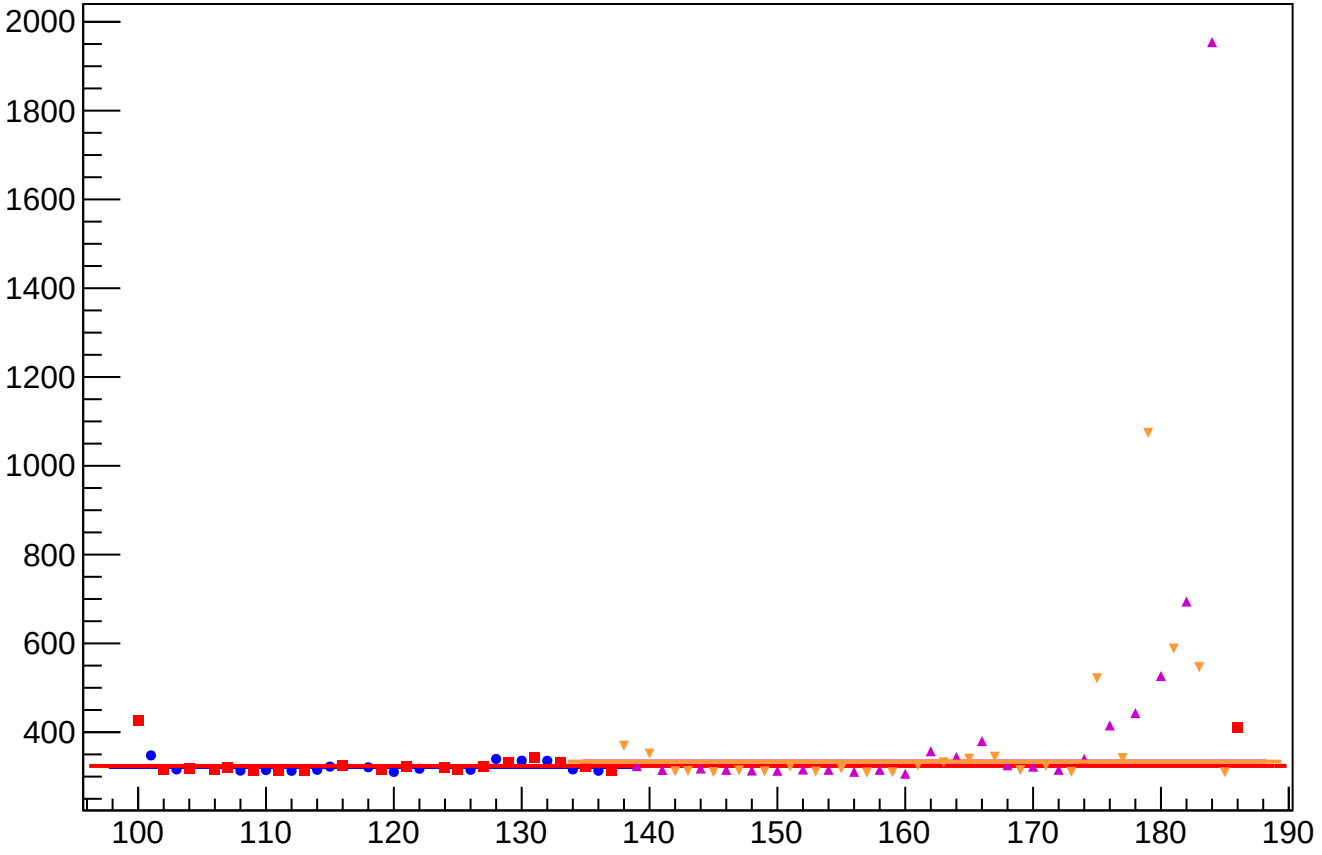
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.074+/-0.066 χ^2/NDF: 37.6/40

All: 0.052+/-0.047 χ^2/NDF: 74.0/83

- sign 0.029+/-0.066 χ^2/NDF: 36.2/42

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

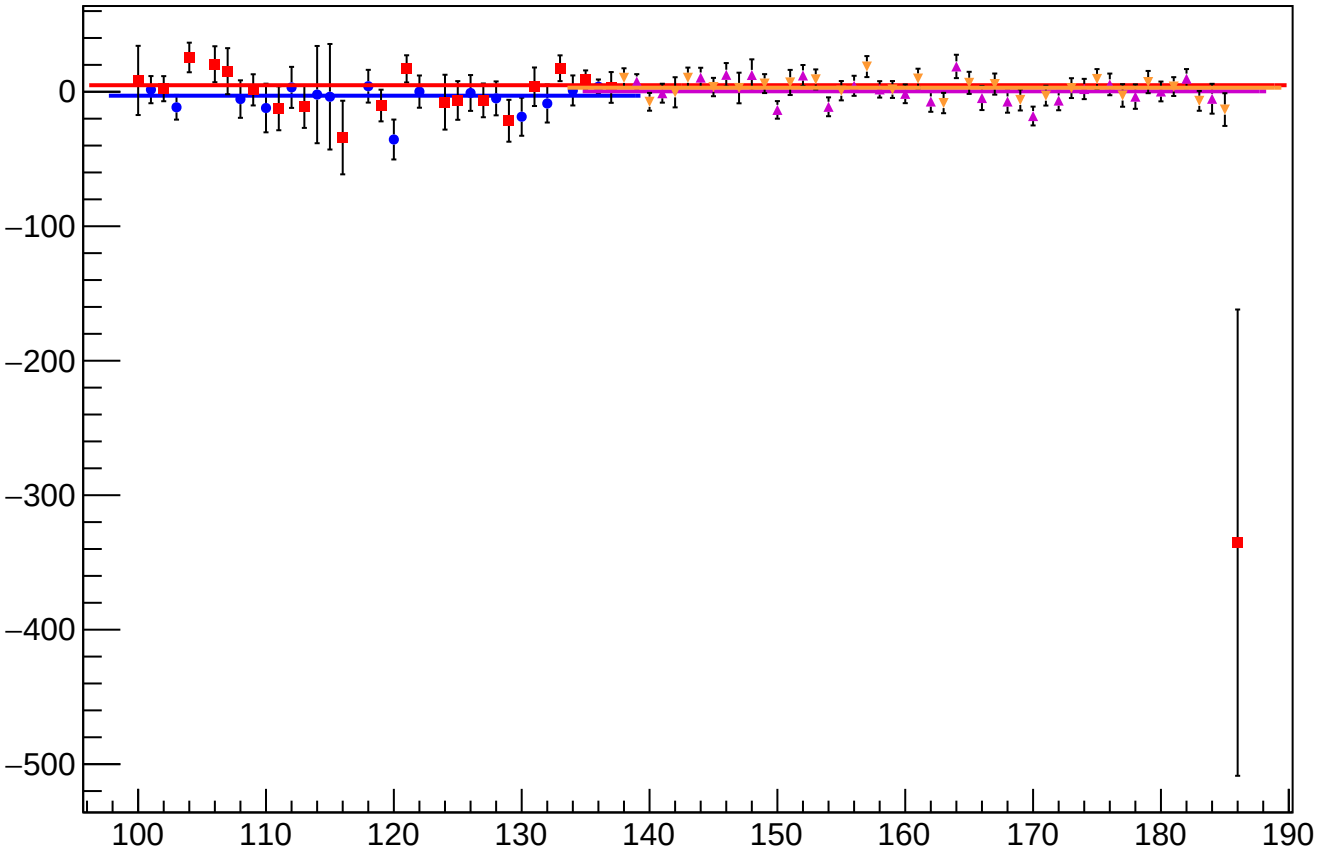
Right Out: 324.009+/-0.082 χ^2/NDF: 54152.2/19

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

\+ sign 330.141+/-0.047 χ^2/NDF: 1249523.6/40

All: 330.419+/-0.033 χ^2/NDF: 2364722.5/83

\- sign 330.699+/-0.047 χ^2/NDF: 1115127.8/42



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

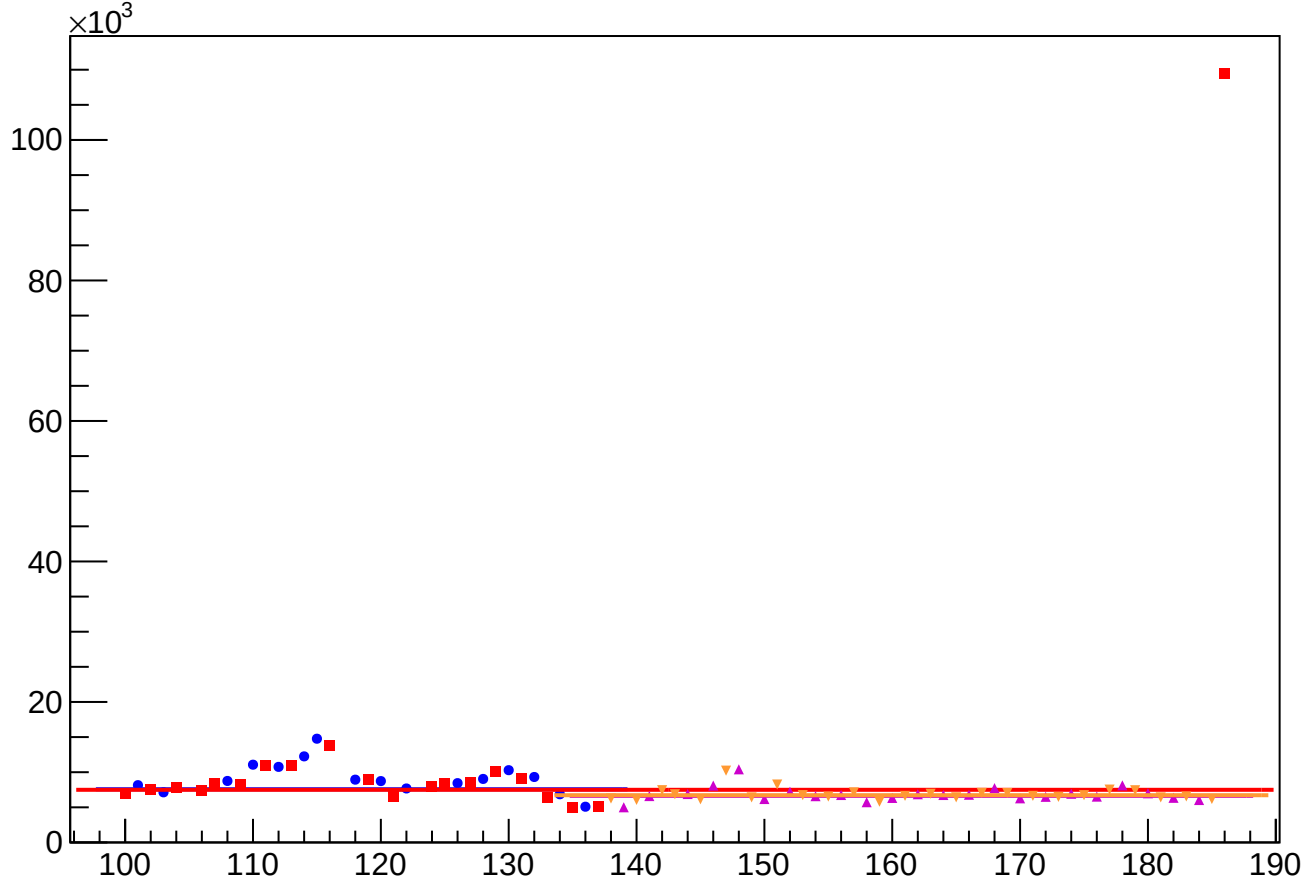
Right Out: 4.875+/-2.824 χ^2/NDF: 23.3/19

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 1.720+/-1.362 χ^2/NDF: 33.4/40

All: 1.570+/-0.966 χ^2/NDF: 92.5/83

- sign 1.418+/-1.371 χ^2/NDF: 59.0/42



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

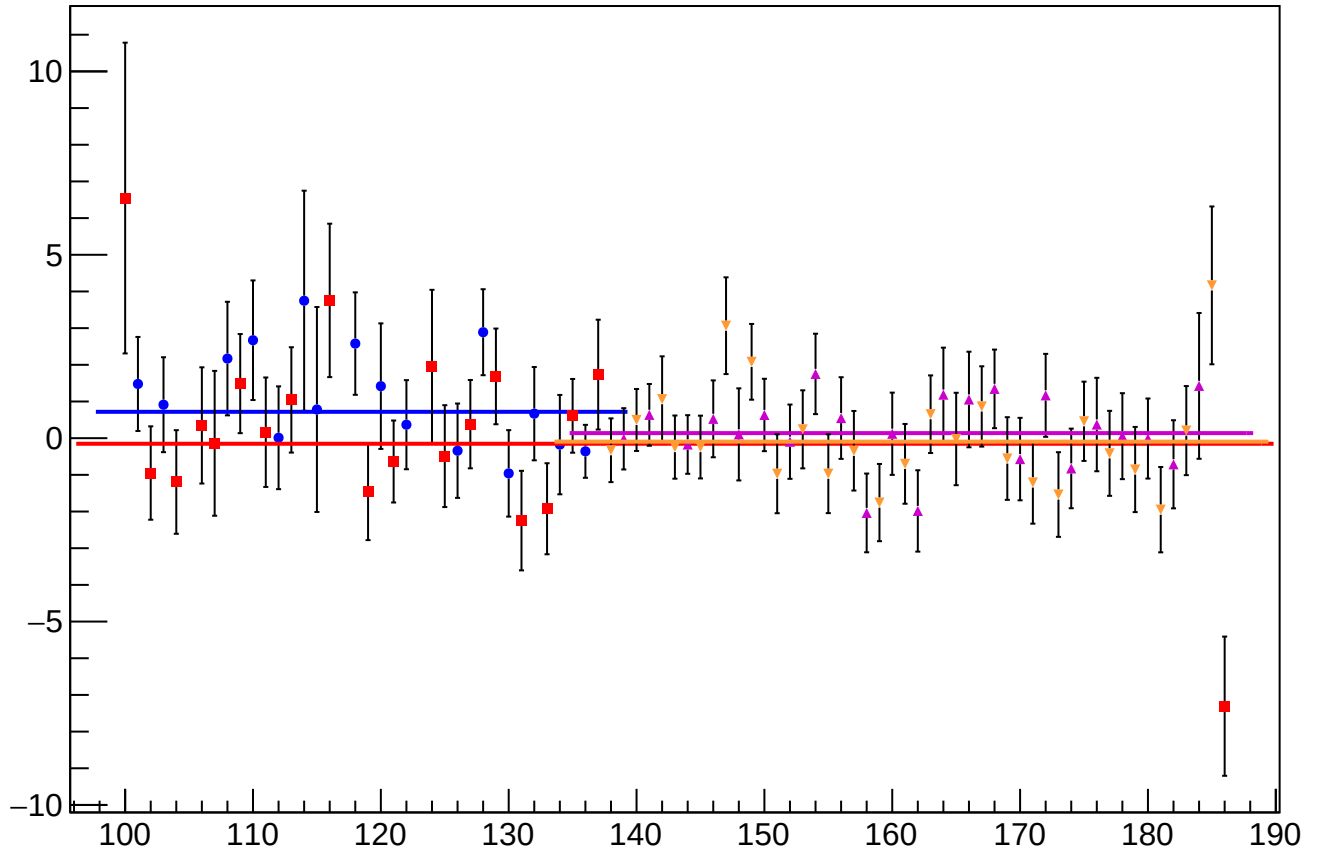
Right Out: 7494.528+/-1.997 χ^2/NDF: 1520163.4/19

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6909.270+/-0.963 χ^2/NDF: 1434183.8/40

All: 6872.826+/-0.683 χ^2/NDF: 3729104.0/83

- sign 6835.913+/-0.969 χ^2/NDF: 2292039.2/42



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

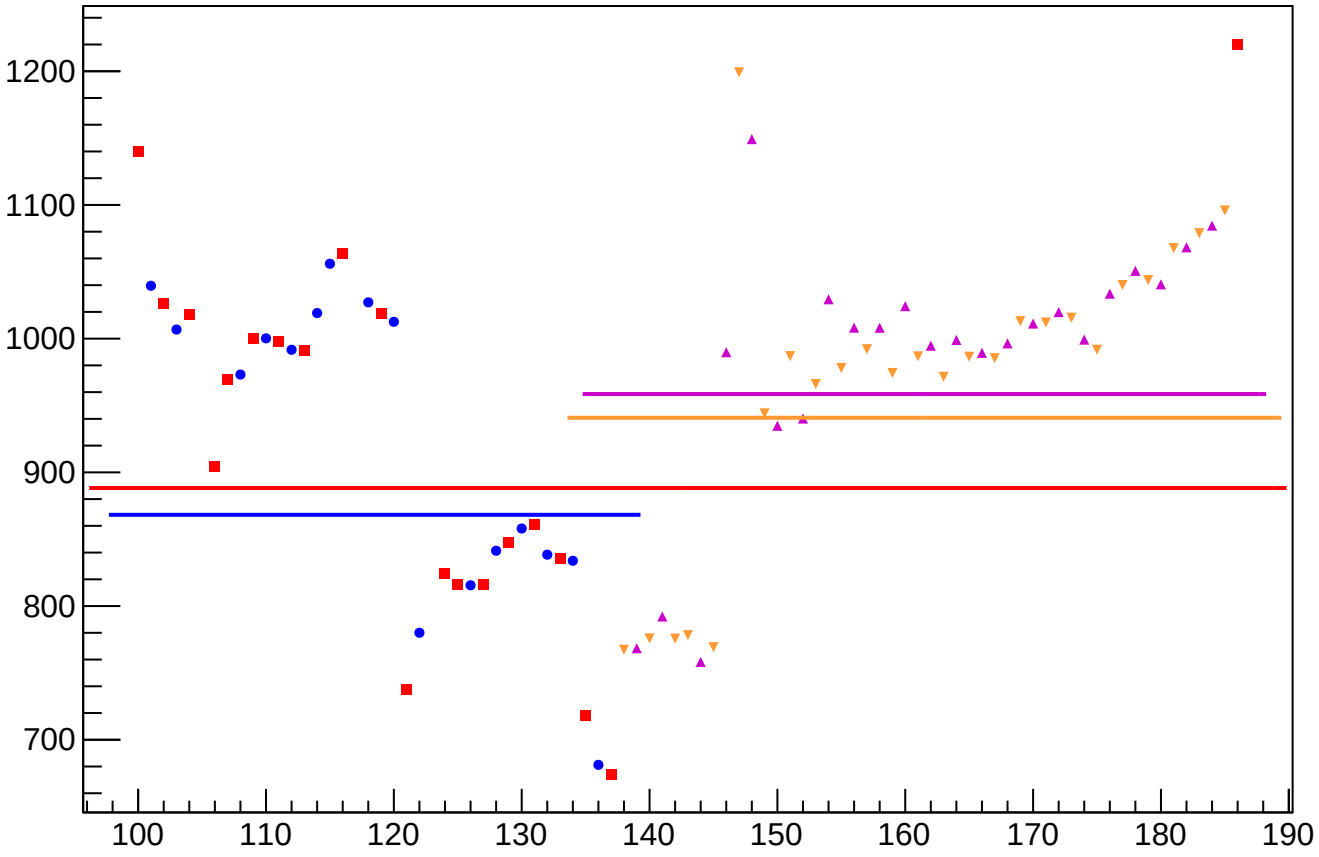
Right Out: -0.152+/-0.319 χ^2/NDF: 34.4/19

Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.153+/-0.180 χ^2/NDF: 46.5/40

All: 0.098+/-0.129 χ^2/NDF: 98.1/83

- sign 0.041+/-0.184 χ^2/NDF: 51.5/42



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 888.289+/-0.225 χ^2/NDF: 335420.3/19

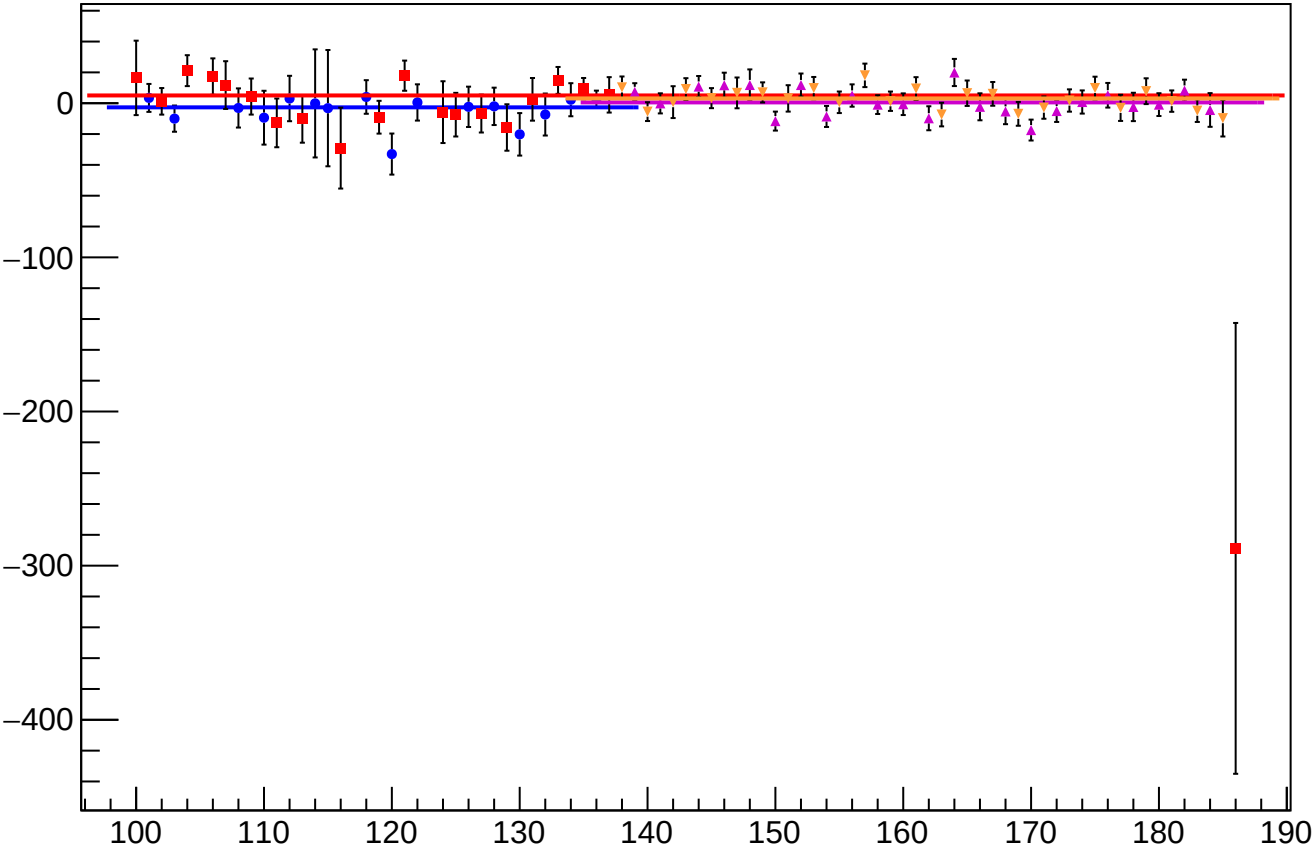
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 918.780+/-0.127 χ^2/NDF: 940243.2/40

All: 926.774+/-0.091 χ^2/NDF: 1805438.2/83

- sign 935.157+/-0.130 χ^2/NDF: 857085.3/42

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 5.037+/-2.691 χ^2/NDF: 21.3/19

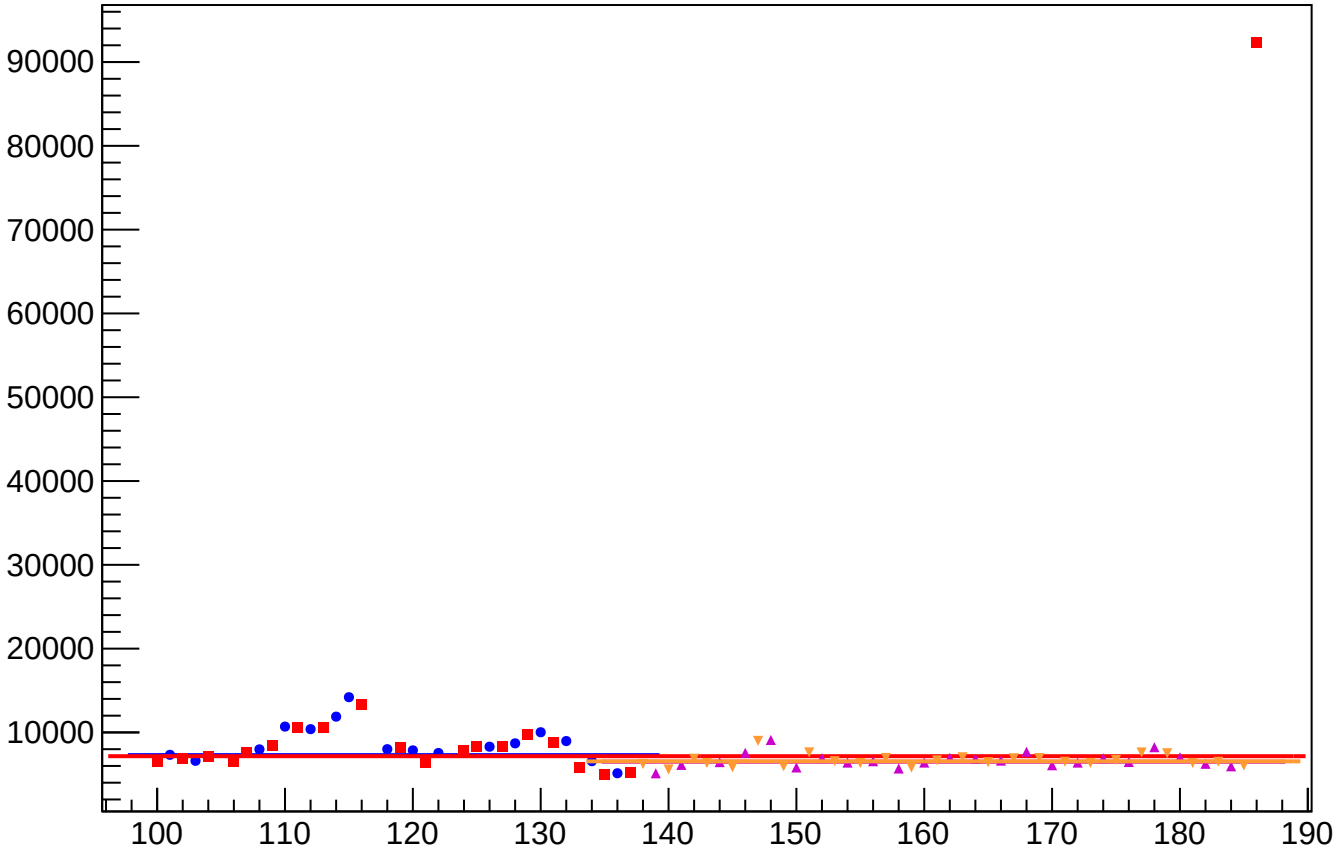
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 1.801+/-1.321 χ^2/NDF: 32.0/40

All: 1.715+/-0.938 χ^2/NDF: 87.4/83

- sign 1.628+/-1.333 χ^2/NDF: 55.4/42

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

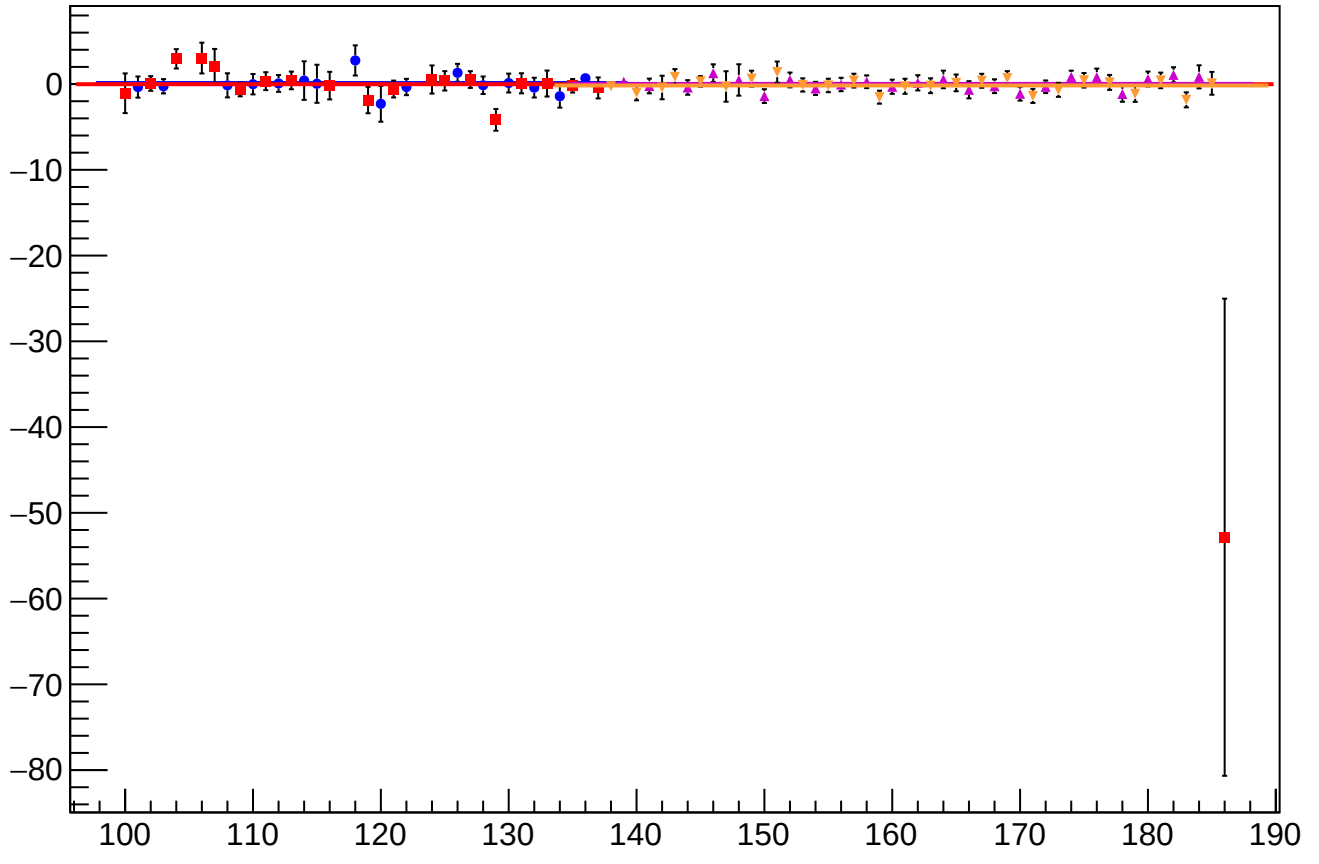
Right Out: 7163.270+/-1.903 χ^2/NDF: 1471337.7/19

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6715.340+/-0.934 χ^2/NDF: 1246240.1/40

All: 6691.184+/-0.664 χ^2/NDF: 3324686.0/83

- sign 6666.581+/-0.943 χ^2/NDF: 2077096.3/42



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.017+/-0.263 χ^2/NDF: 28.8/19

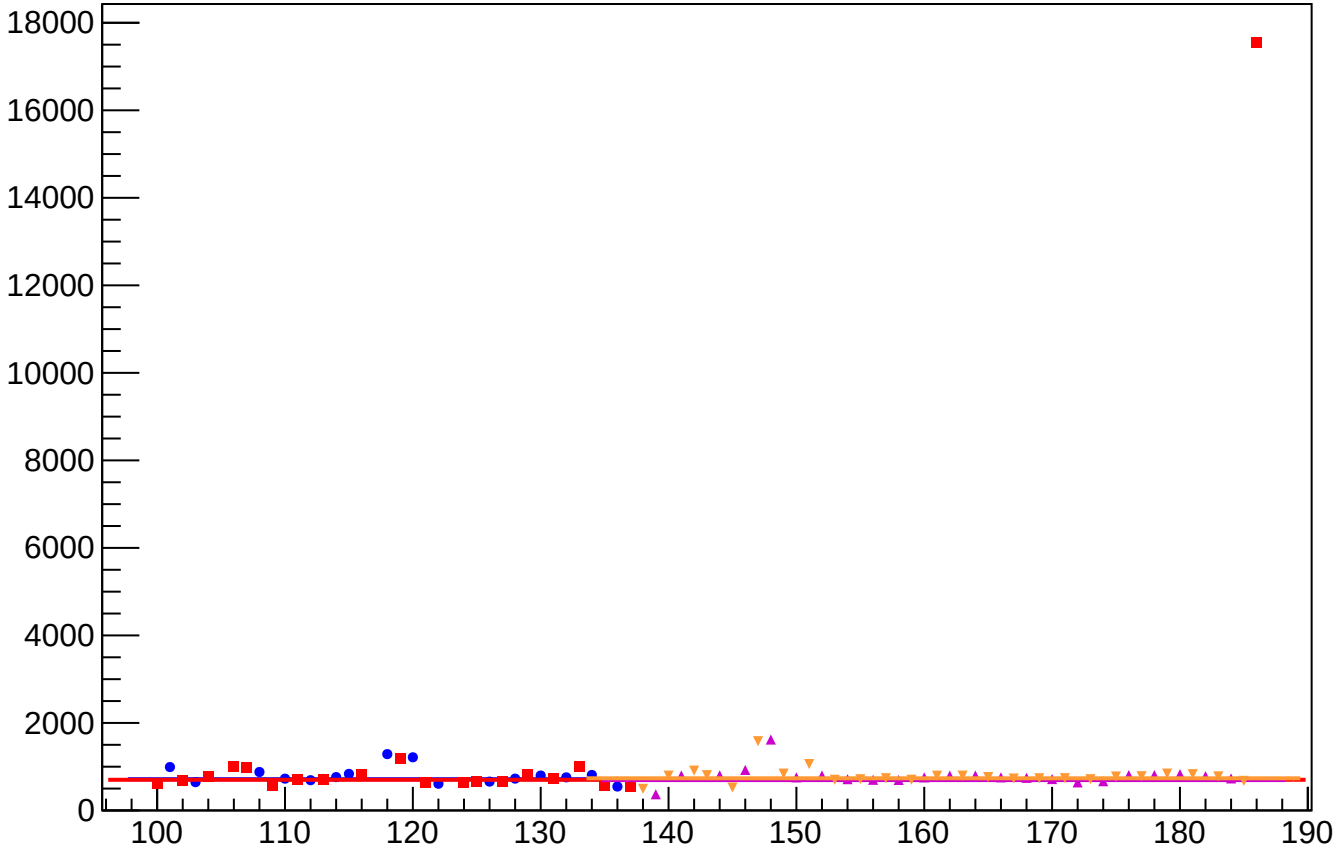
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.083+/-0.146 χ^2/NDF: 27.8/40

All: -0.037+/-0.102 χ^2/NDF: 72.0/83

- sign 0.007+/-0.142 χ^2/NDF: 44.0/42

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

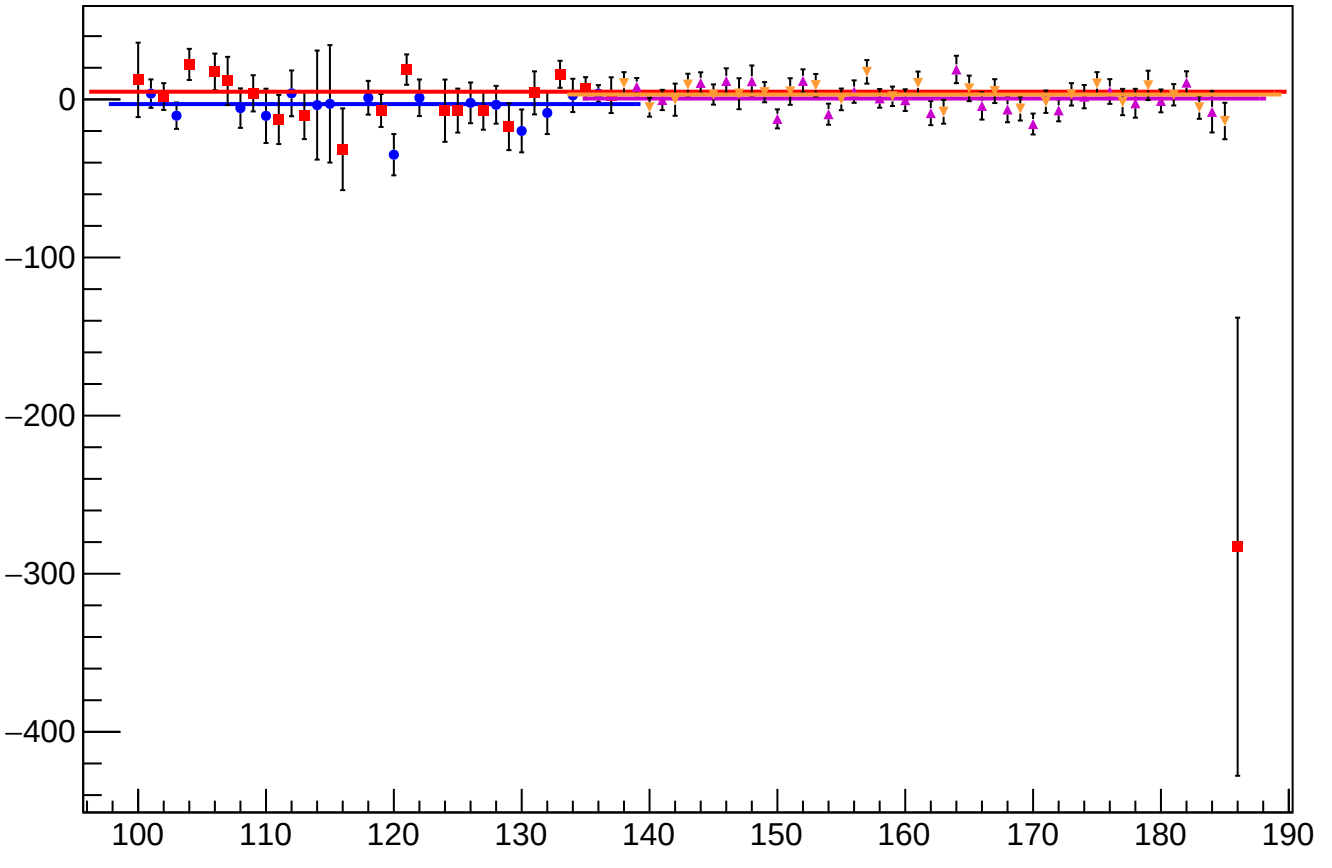
Right Out: 701.010+/-0.186 χ^2/NDF: 1309305.0/19

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 728.914+/-0.103 χ^2/NDF: 2047803.7/40

All: 712.151+/-0.072 χ^2/NDF: 5634961.7/83

- sign 696.154+/-0.101 χ^2/NDF: 3535361.3/42



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 4.859+/-2.653 χ^2/NDF: 22.4/19

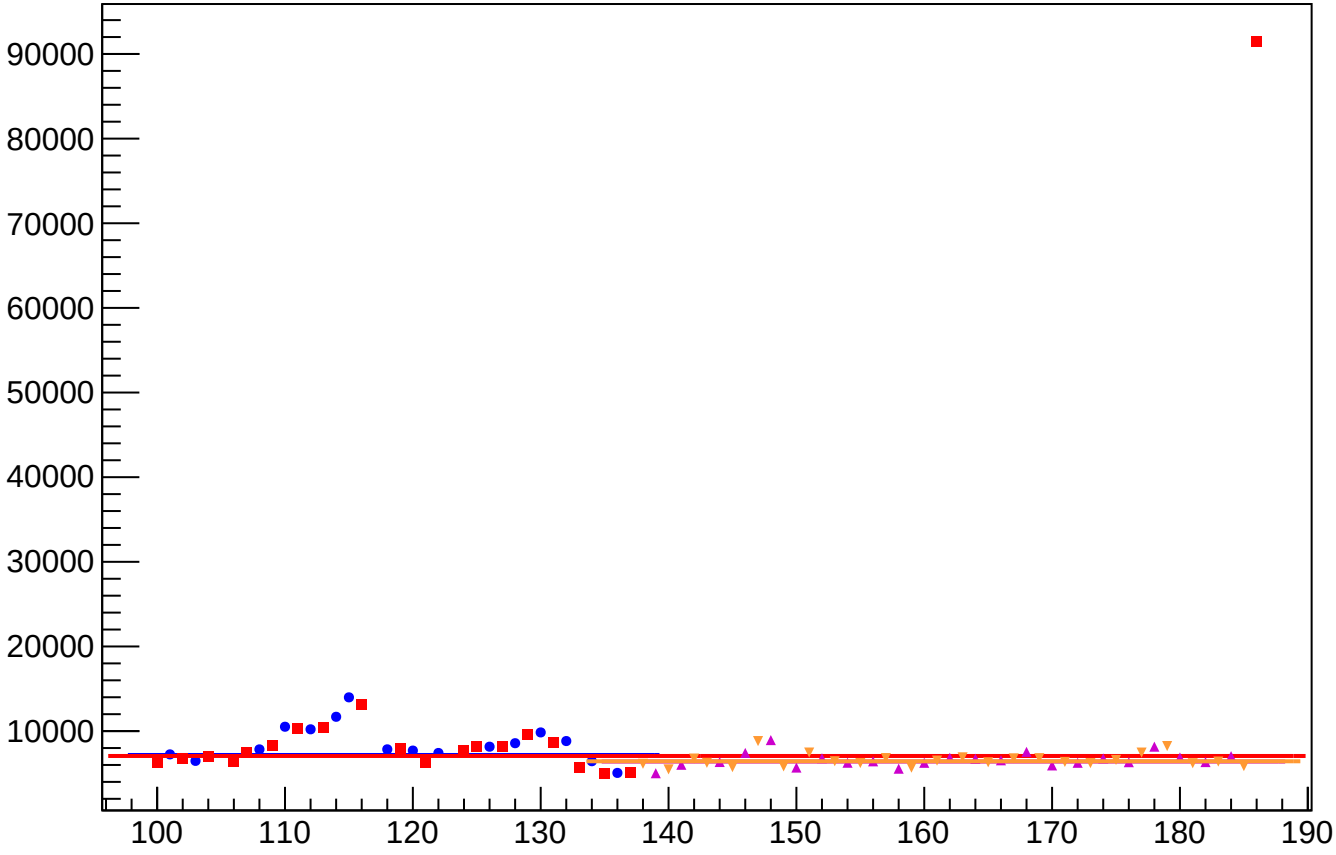
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 1.747+/-1.300 χ^2/NDF: 34.1/40

All: 1.678+/-0.924 χ^2/NDF: 92.1/83

- sign 1.607+/-1.314 χ^2/NDF: 58.0/42

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

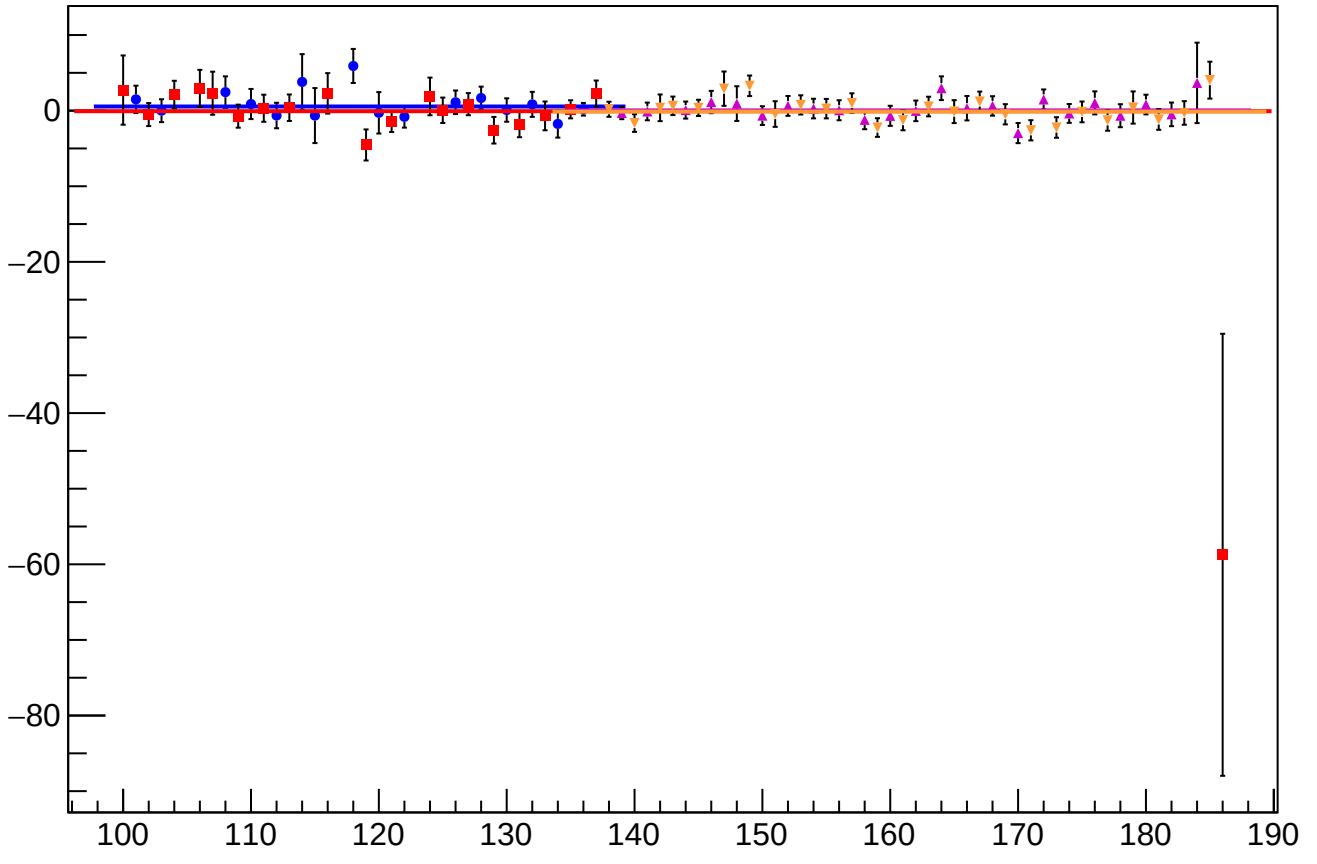
Right Out: 7061.846+/-1.876 χ^2/NDF: 1445489.0/19

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6602.070+/-0.919 χ^2/NDF: 1293016.3/40

All: 6584.375+/-0.654 χ^2/NDF: 3356809.1/83

- sign 6566.307+/-0.929 χ^2/NDF: 2063044.2/42



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.071+/-0.409 χ^2/NDF: 20.9/19

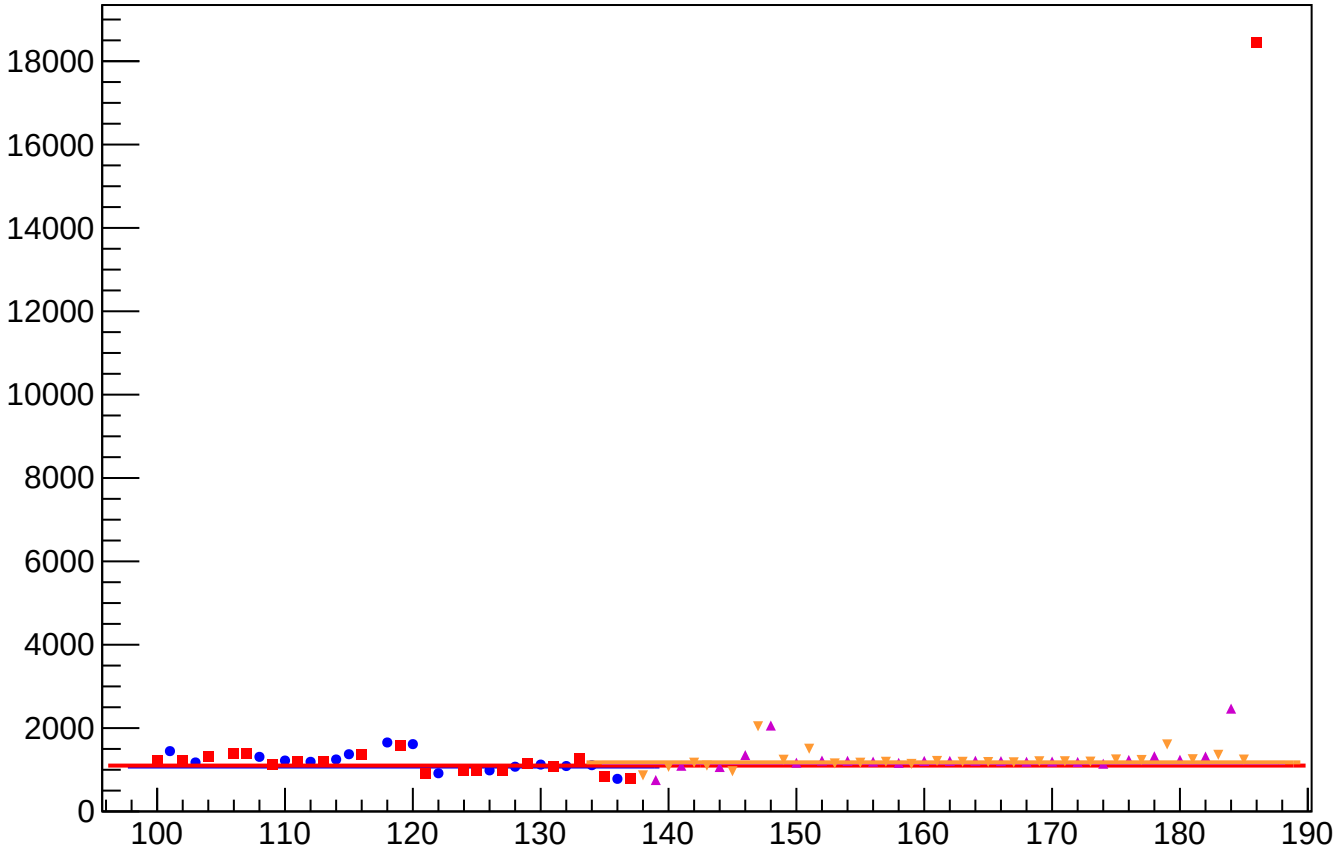
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign 0.083+/-0.228 χ^2/NDF: 40.7/40

All: 0.041+/-0.162 χ^2/NDF: 76.2/83

- sign -0.003+/-0.230 χ^2/NDF: 35.4/42

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1100.501+/-0.289 χ^2/NDF: 1188518.3/19

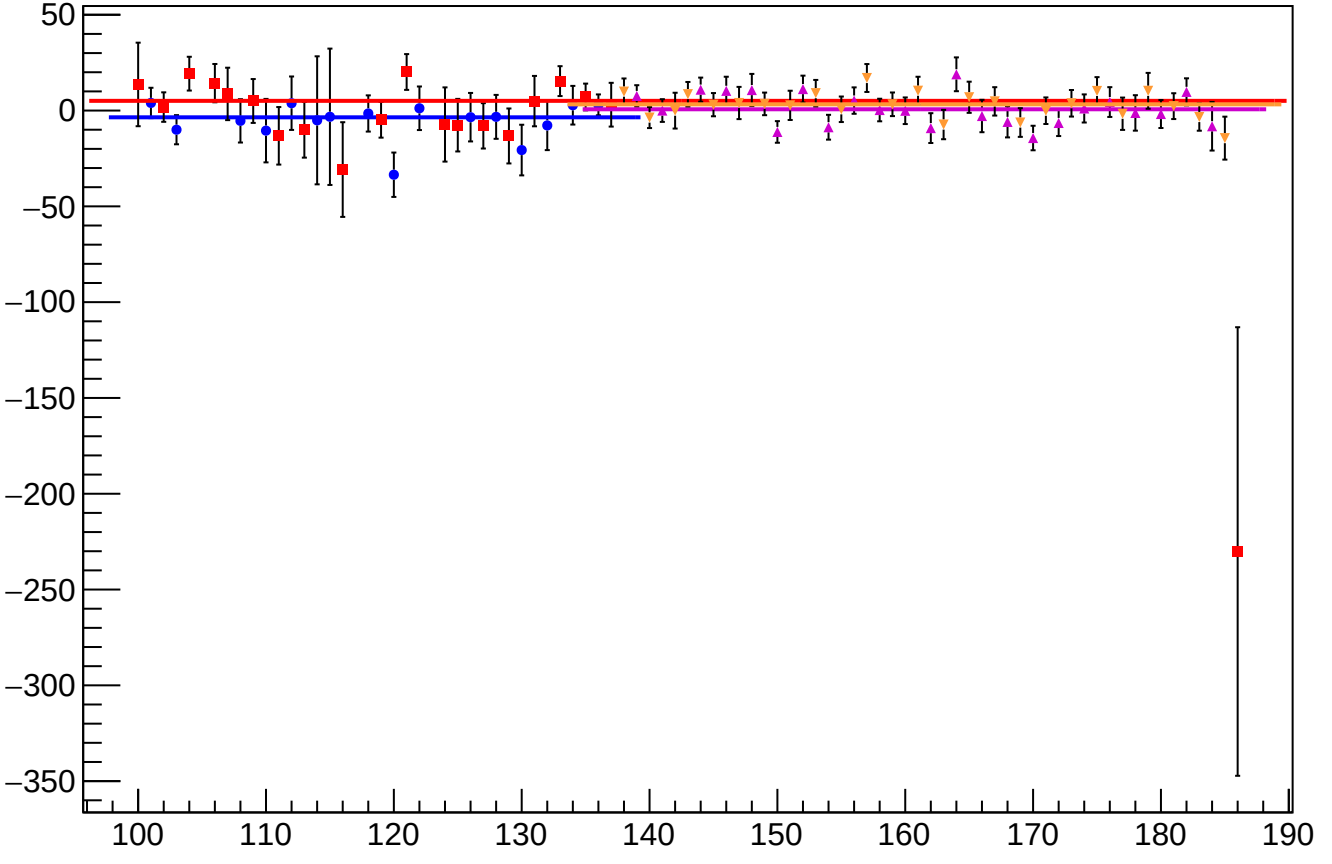
Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1146.923+/-0.161 χ^2/NDF: 1530256.6/40

All: 1145.353+/-0.114 χ^2/NDF: 3803946.8/83

- sign 1143.746+/-0.163 χ^2/NDF: 2273497.5/42

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 5.068+/-2.507 χ^2/NDF: 22.2/19

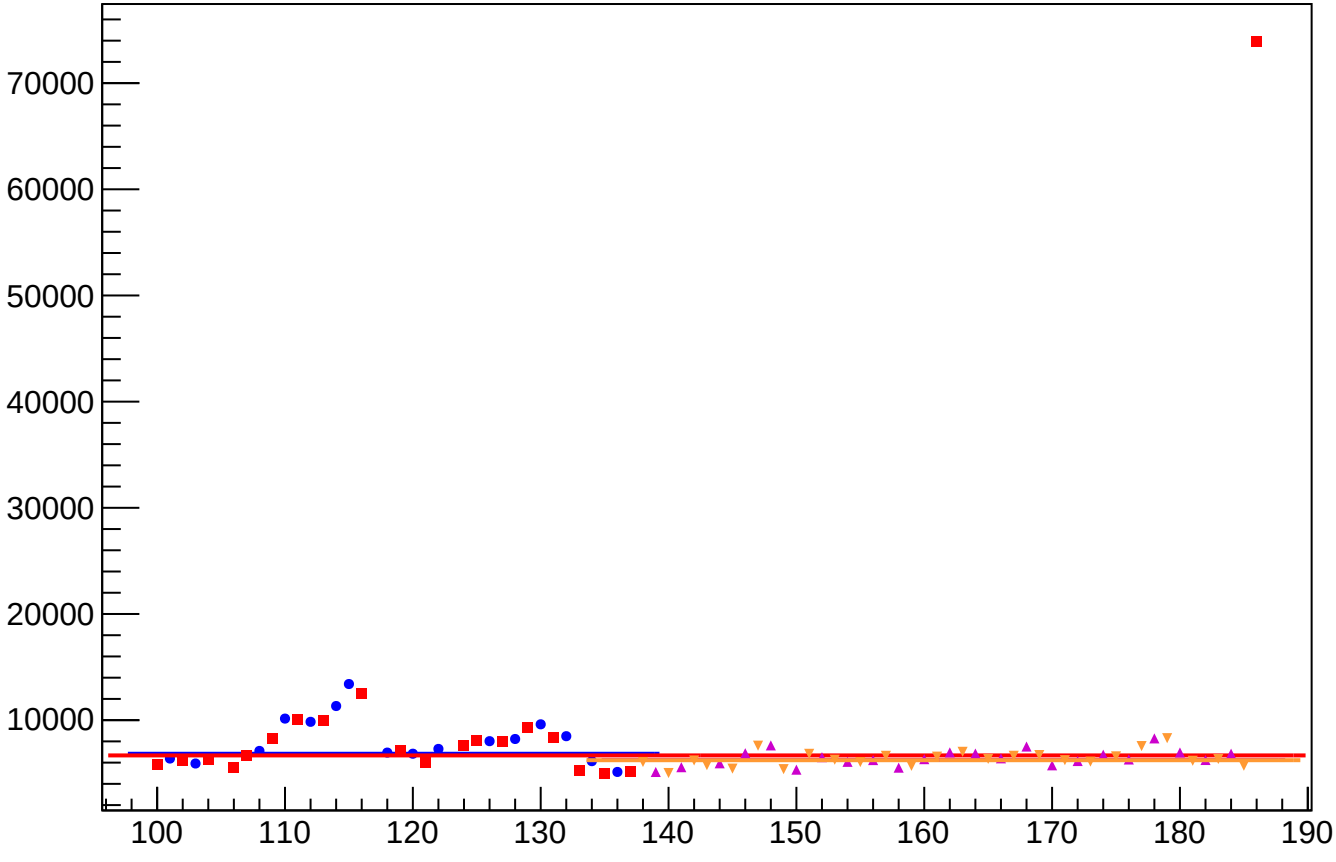
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 1.672+/-1.254 χ^2/NDF: 35.7/40

All: 1.734+/-0.892 χ^2/NDF: 92.6/83

- sign 1.797+/-1.270 χ^2/NDF: 56.9/42

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 6678.857+/-1.773 χ^2/NDF: 1445198.6/19

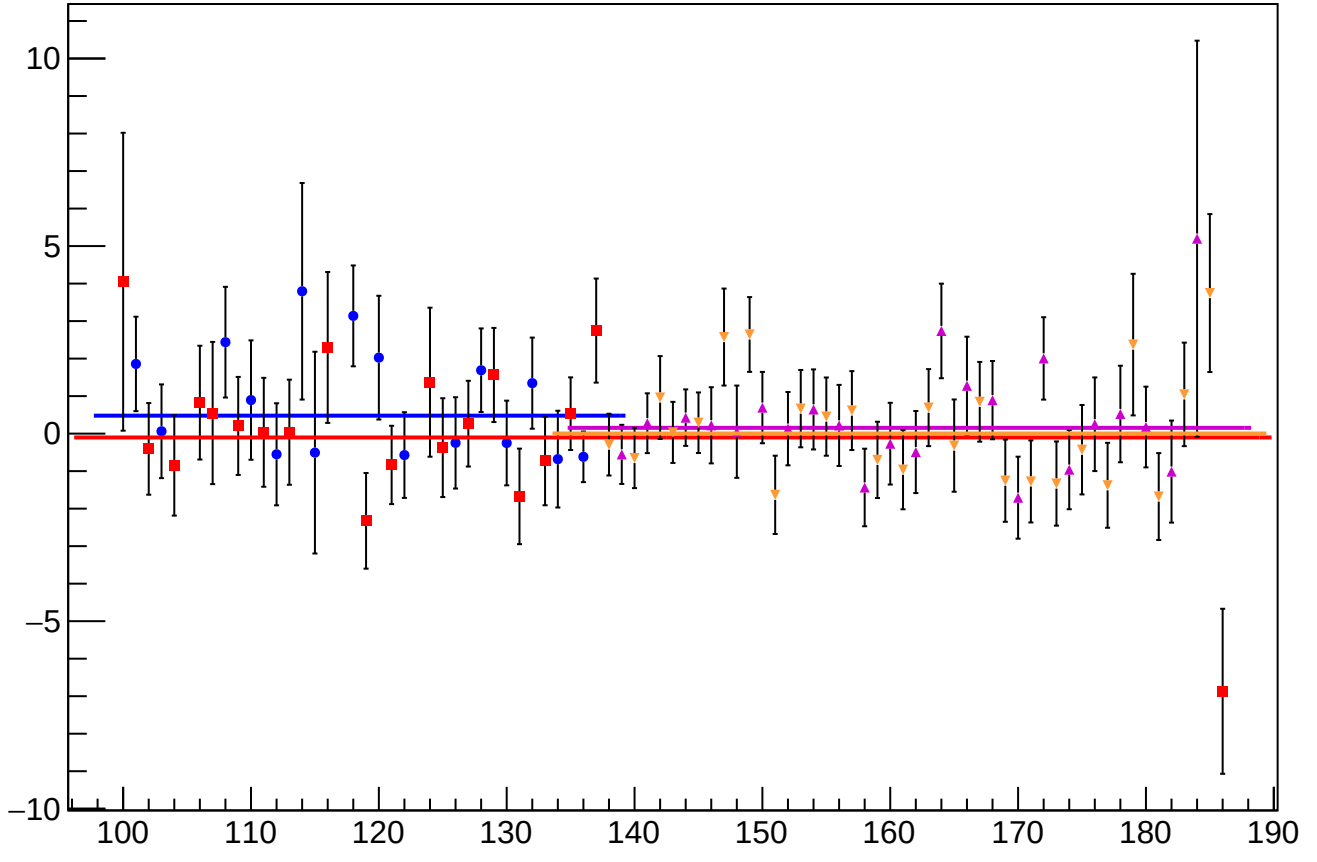
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6368.586+/-0.886 χ^2/NDF: 1246516.9/40

All: 6363.231+/-0.631 χ^2/NDF: 3220909.8/83

- sign 6357.730+/-0.898 χ^2/NDF: 1974318.9/42

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.103+/-0.306 χ^2/NDF: 25.4/19

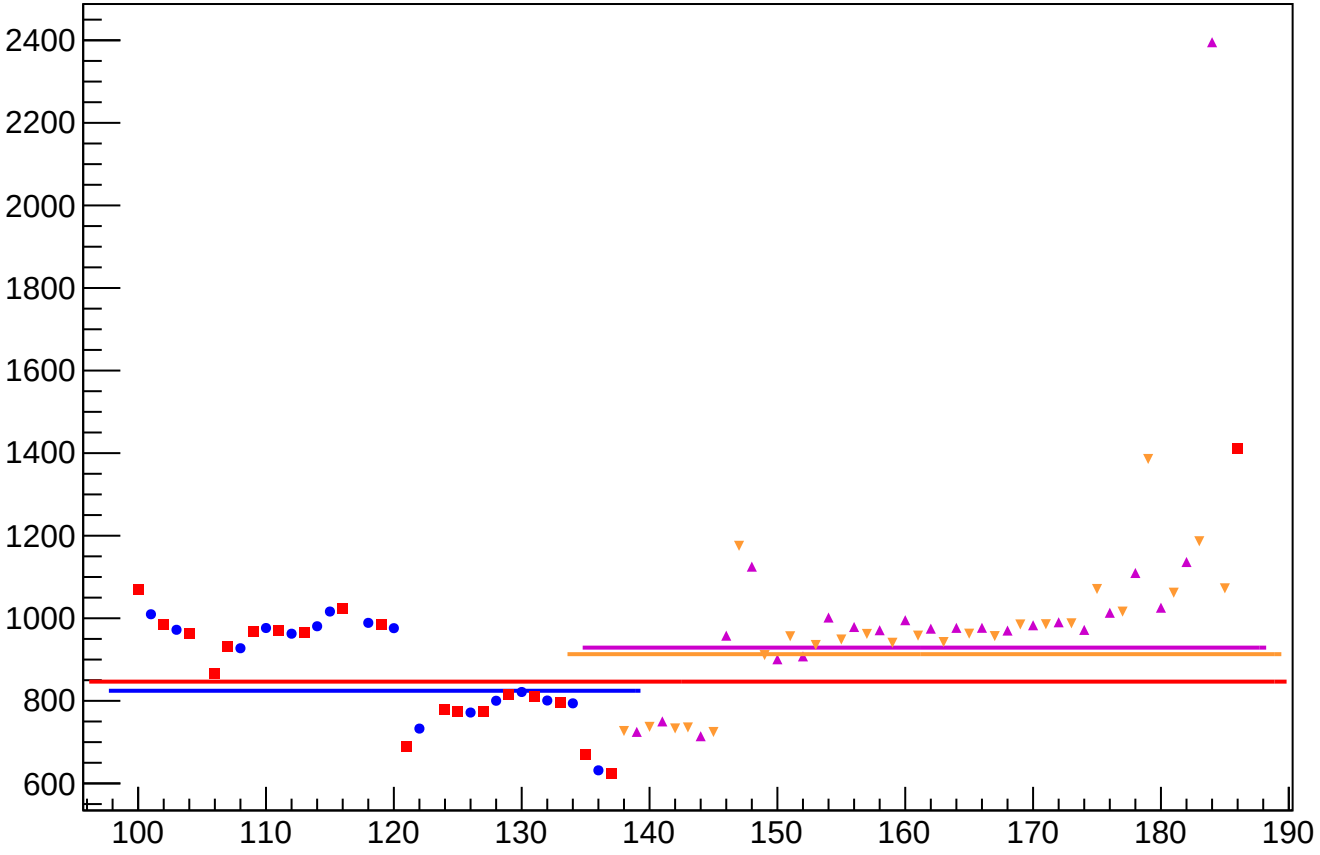
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.154+/-0.175 χ^2/NDF: 50.0/40

All: 0.111+/-0.125 χ^2/NDF: 94.3/83

- sign 0.066+/-0.179 χ^2/NDF: 44.2/42

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 846.551+/-0.216 χ^2/NDF: 453805.5/19

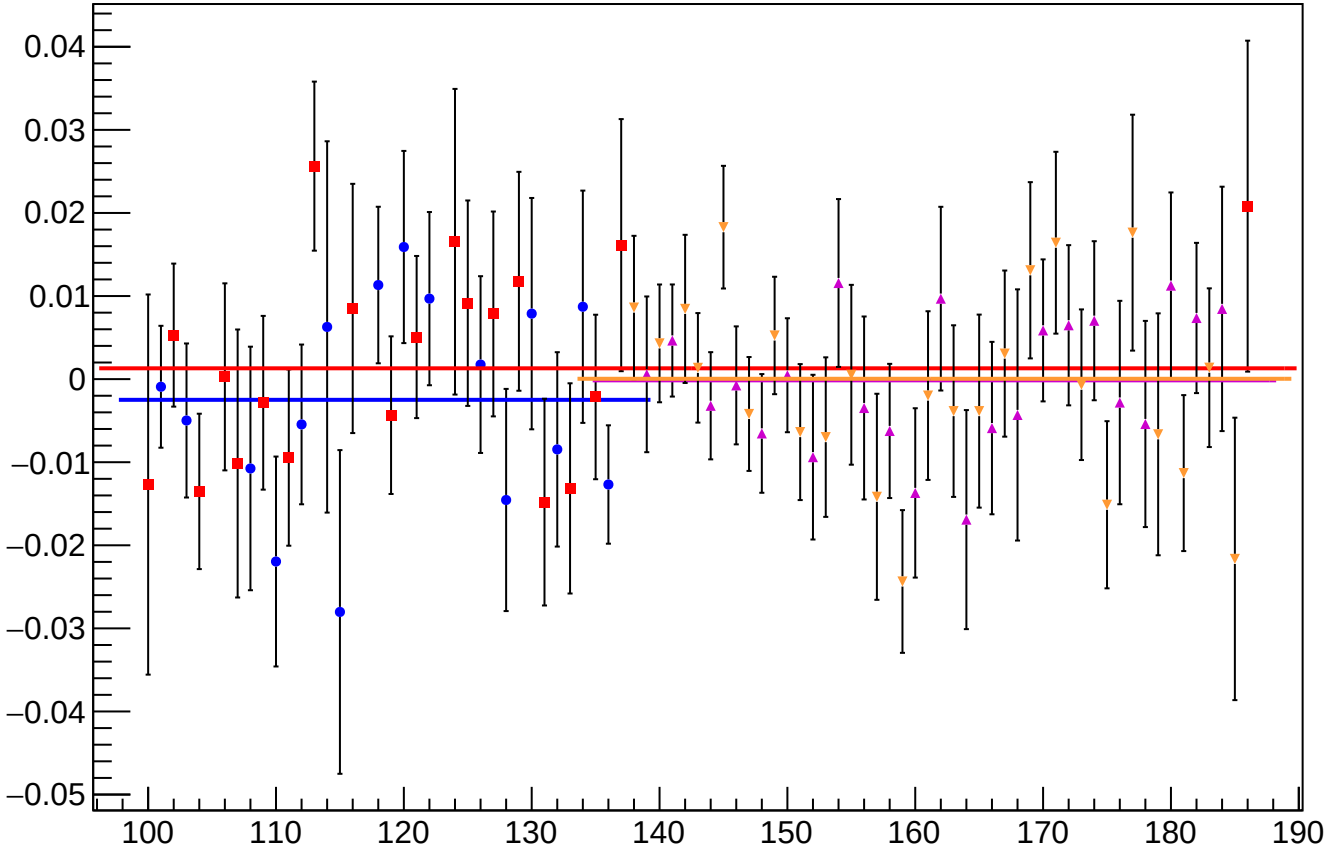
Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 884.938+/-0.124 χ^2/NDF: 1365710.9/40

All: 892.598+/-0.089 χ^2/NDF: 2691800.9/83

- sign 900.613+/-0.127 χ^2/NDF: 1318256.2/42

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: 0.001+/-0.003 χ^2/NDF: 18.3/19

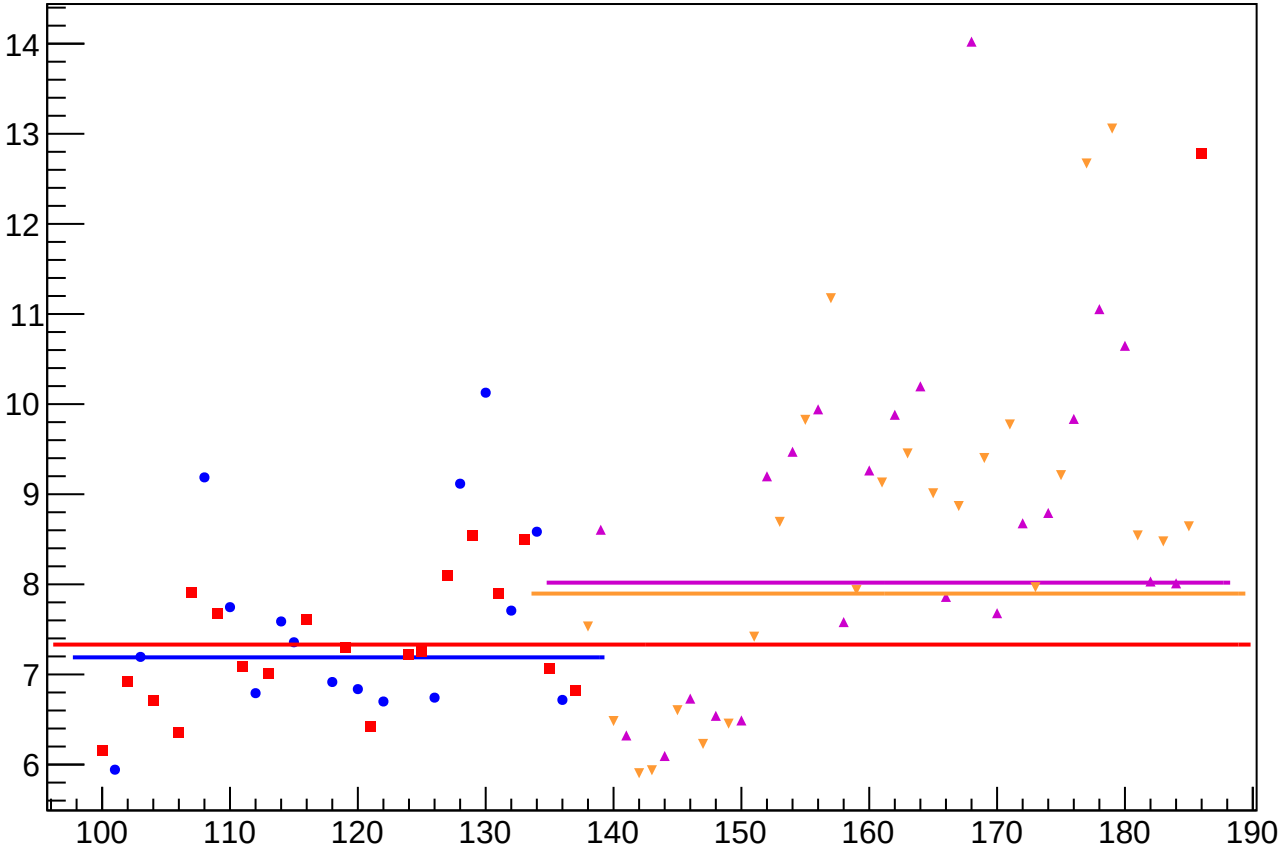
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.001+/-0.002 χ^2/NDF: 47.0/40

All: -0.000+/-0.001 χ^2/NDF: 78.5/83

- sign 0.000+/-0.002 χ^2/NDF: 31.3/42

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

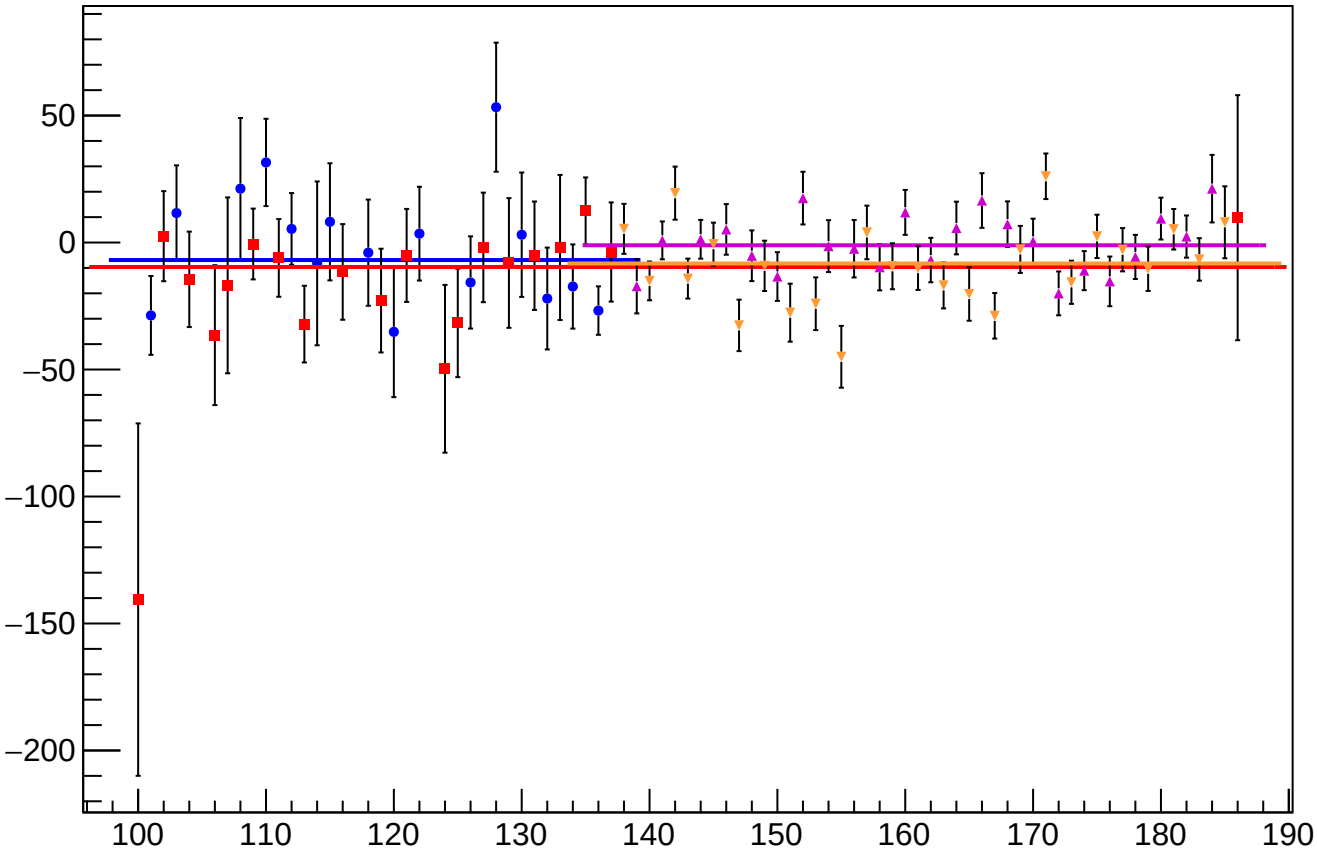
Right Out: 7.332+/-0.002 χ^2/NDF: 258762.6/19

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 7.673+/-0.001 χ^2/NDF: 1961785.6/40

All: 7.726+/-0.001 χ^2/NDF: 3770091.5/83

- sign 7.781+/-0.001 χ^2/NDF: 1803405.0/42



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: -9.620+/-4.498 χ^2/NDF: 14.1/19

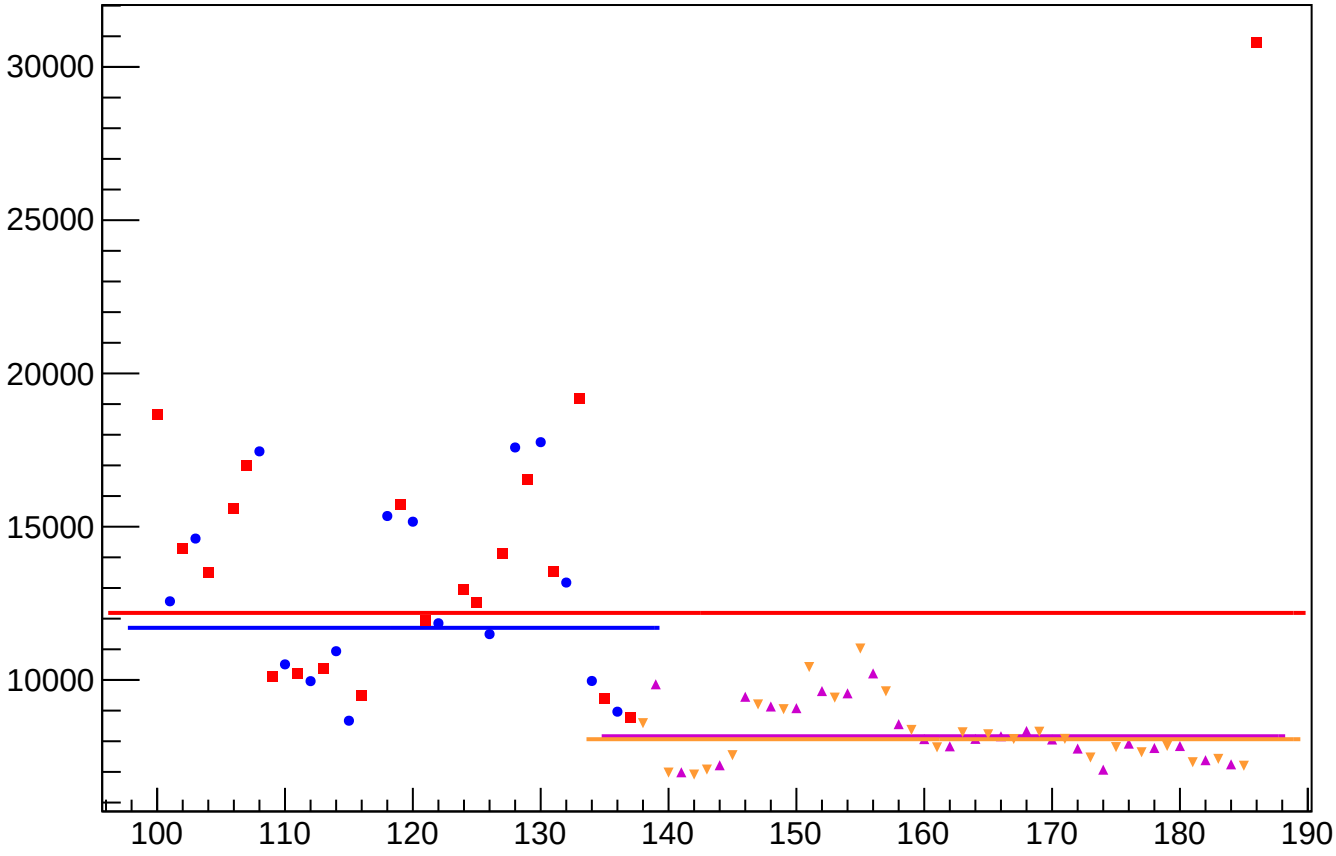
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.058+/-1.710 χ^2/NDF: 85.3/40

All: -5.316+/-1.229 χ^2/NDF: 136.6/83

- sign -2.390+/-1.766 χ^2/NDF: 46.0/42

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

Right Out: 12187.352+/-3.180 χ^2/NDF: 984740.6/19

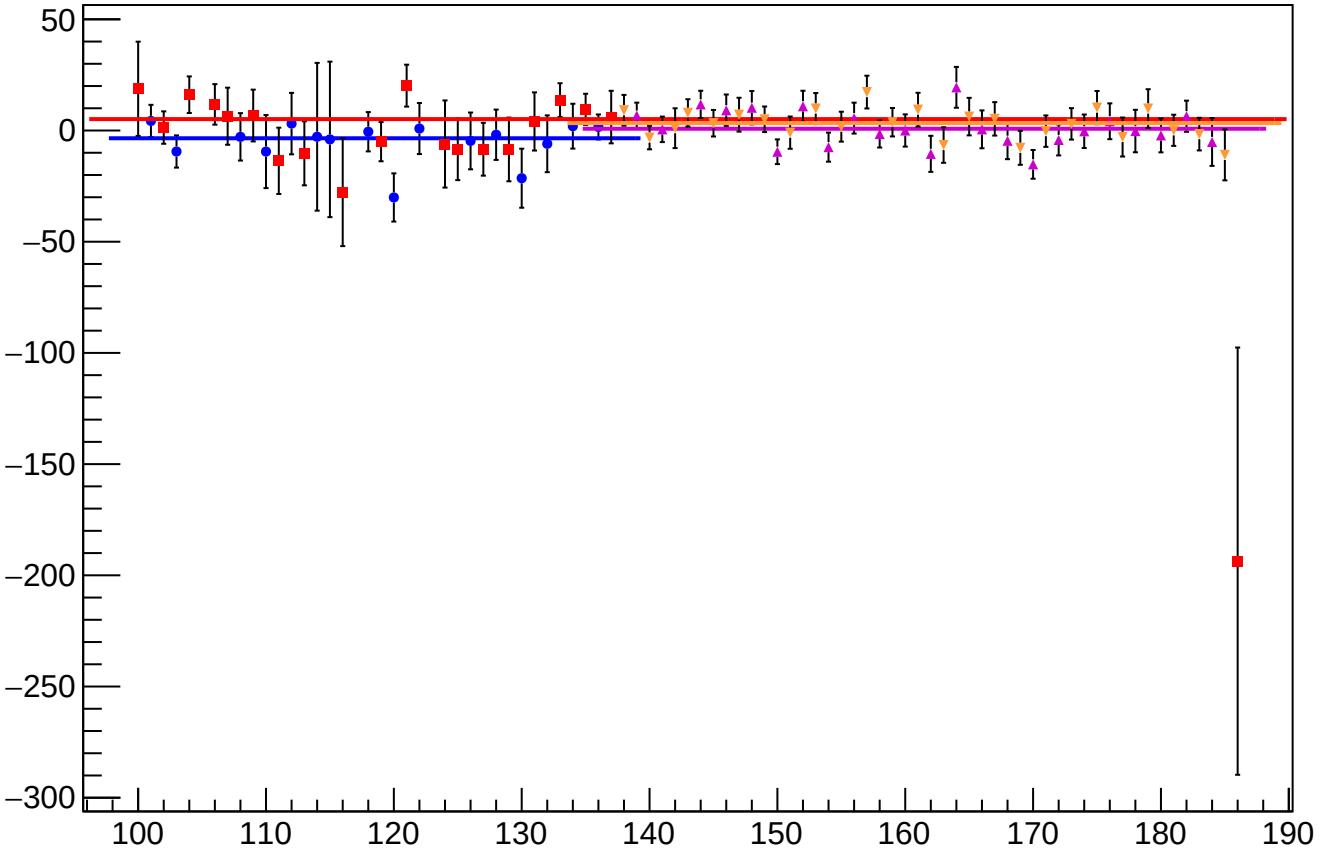
Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 8594.145+/-1.209 χ^2/NDF: 2359059.8/40

All: 8686.070+/-0.869 χ^2/NDF: 5141980.9/83

- sign 8784.173+/-1.249 χ^2/NDF: 2770972.6/42

diff_targ_positionY_mean vs Slug



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

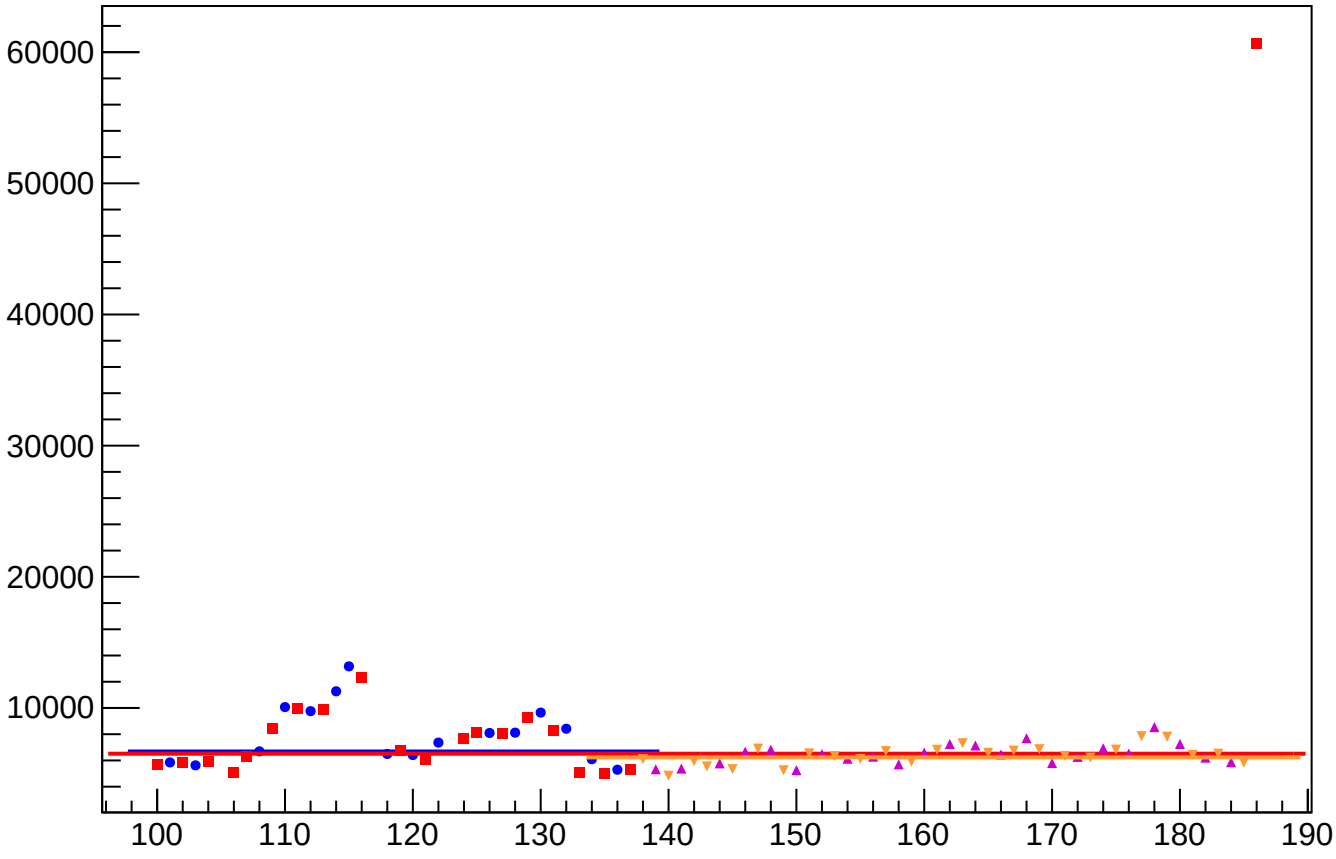
Right Out: 5.131+/-2.446 χ^2/NDF: 20.9/19

Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 1.698+/-1.248 χ^2/NDF: 33.9/40

All: 1.826+/-0.888 χ^2/NDF: 86.5/83

- sign 1.957+/-1.265 χ^2/NDF: 52.6/42



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 6513.242+/-1.729 χ^2/NDF: 1475050.5/19

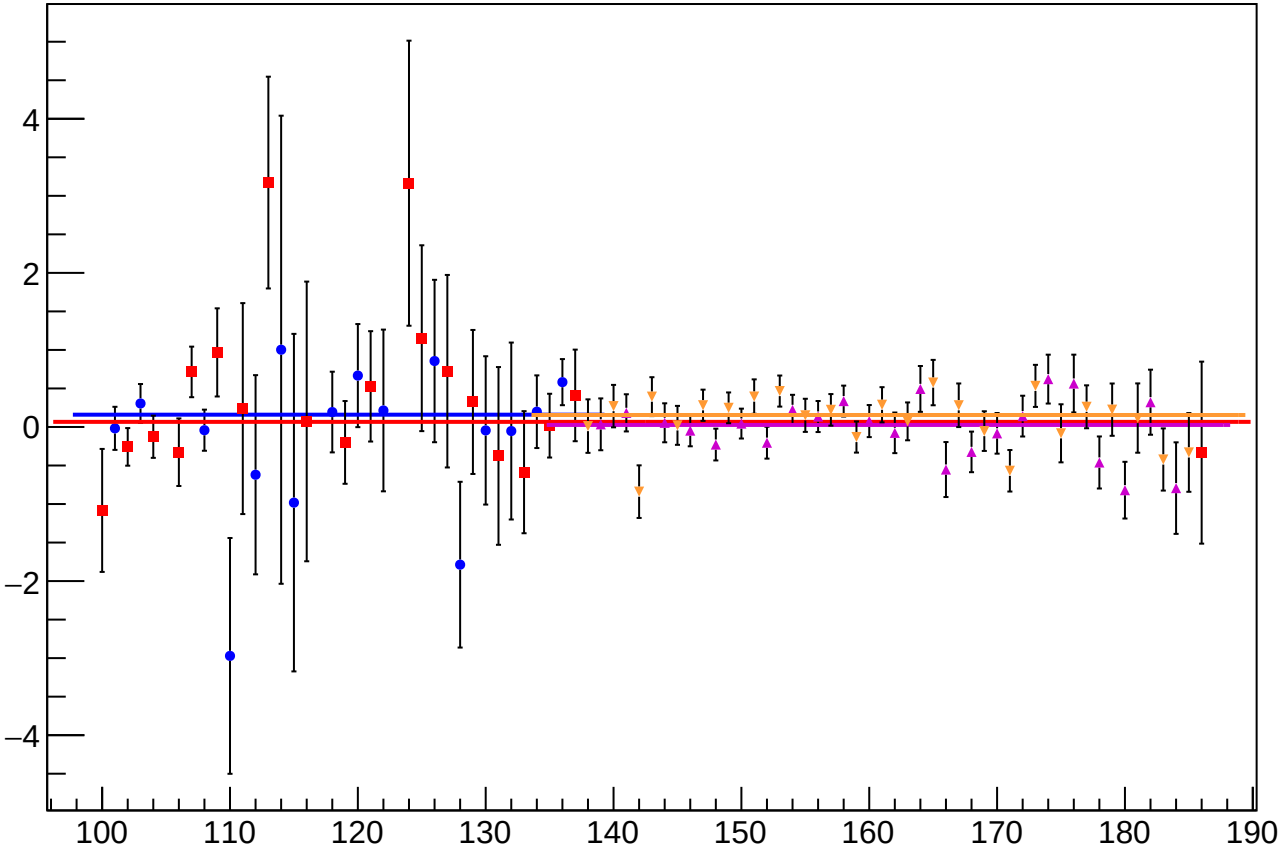
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 6339.171+/-0.882 χ^2/NDF: 1272597.6/40

All: 6337.474+/-0.628 χ^2/NDF: 3266769.3/83

- sign 6335.729+/-0.895 χ^2/NDF: 1994164.2/42

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.066+/-0.119 χ^2/NDF: 22.6/19

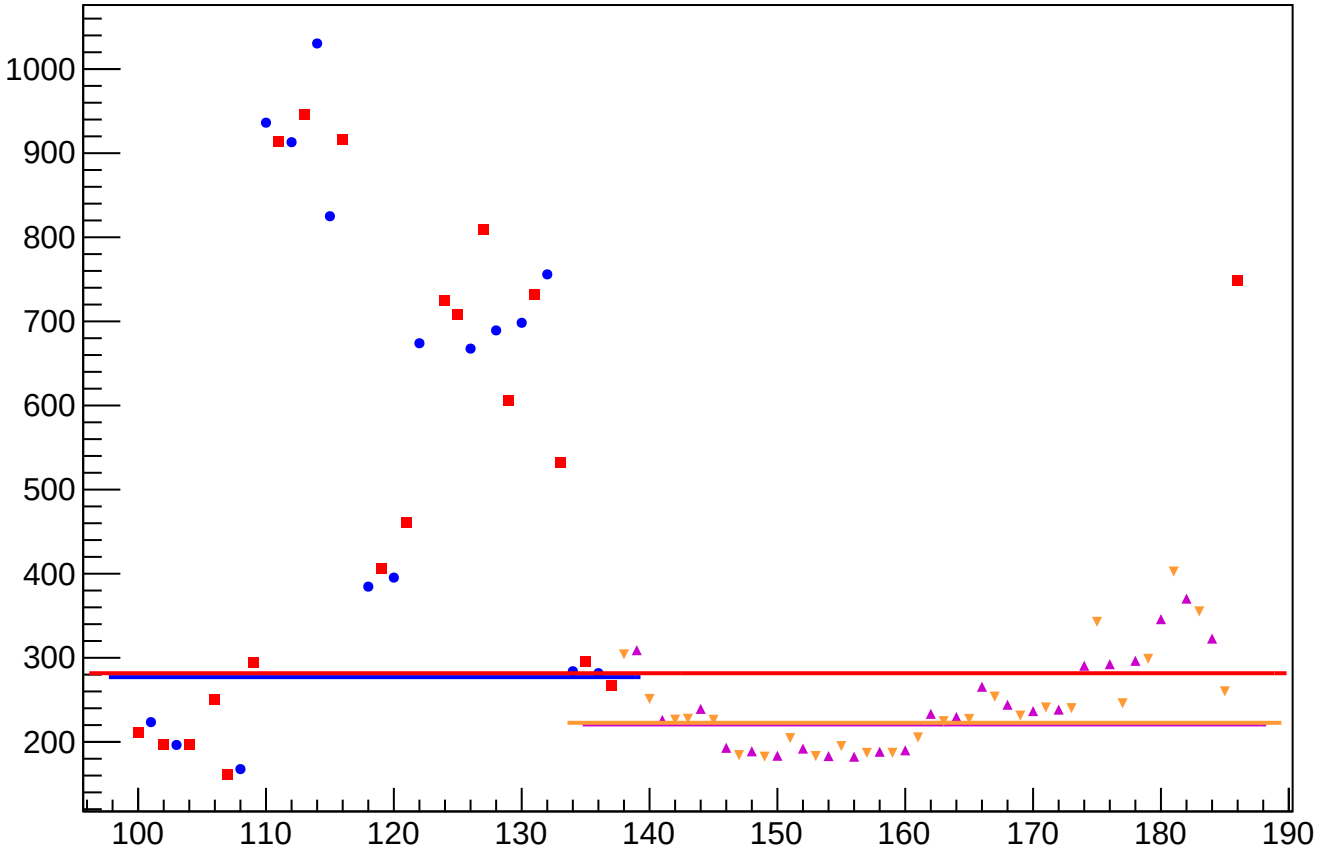
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.156+/-0.048 χ^2/NDF: 44.9/40

All: 0.096+/-0.034 χ^2/NDF: 100.6/83

- sign 0.033+/-0.048 χ^2/NDF: 52.5/42

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 281.665+/-0.084 χ^2/NDF: 3887843.4/19

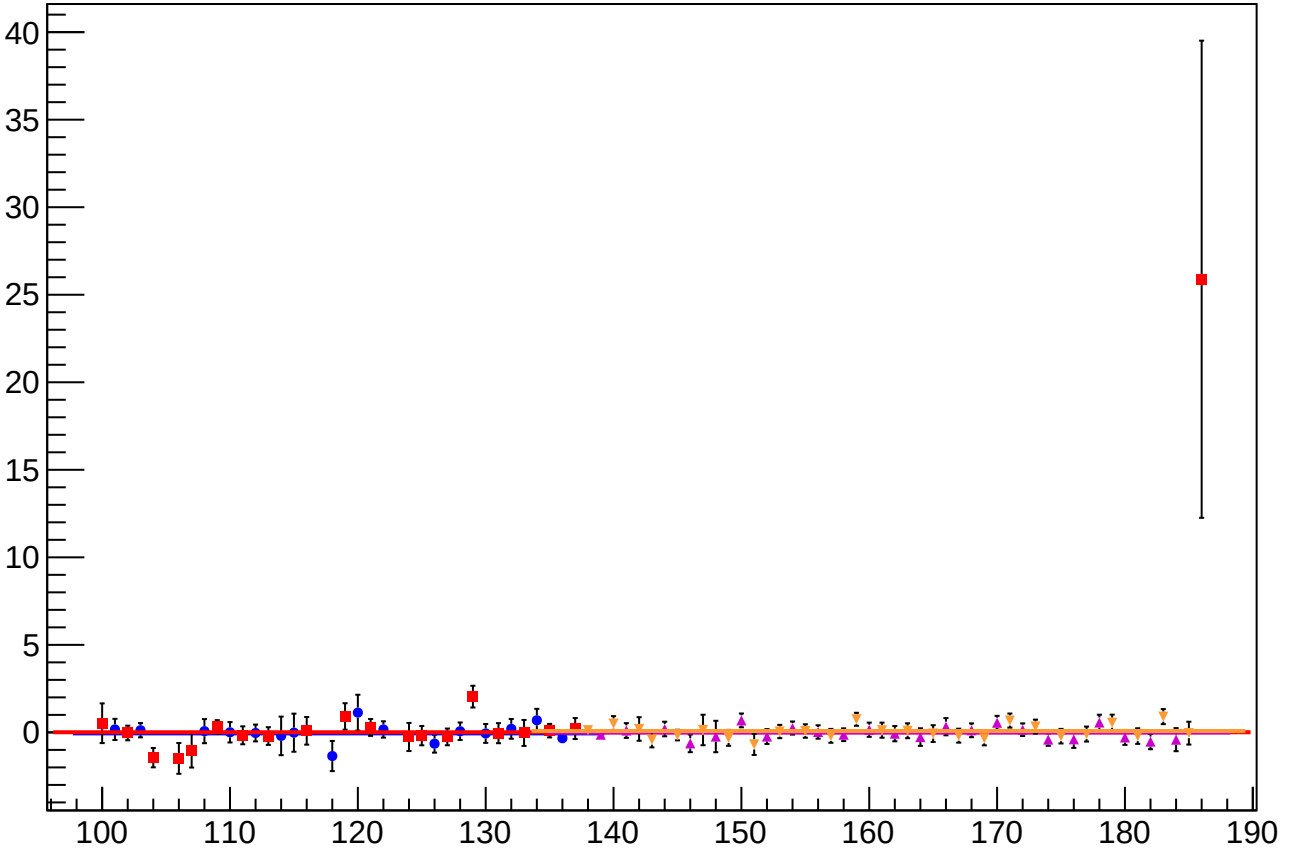
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 231.335+/-0.034 χ^2/NDF: 5248768.8/40

All: 231.099+/-0.024 χ^2/NDF: 11044320.0/83

- sign 230.854+/-0.034 χ^2/NDF: 5795450.6/42

diff_targ_thetaY_mean vs Slug



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.008+/-0.129 χ^2/NDF: 28.8/19

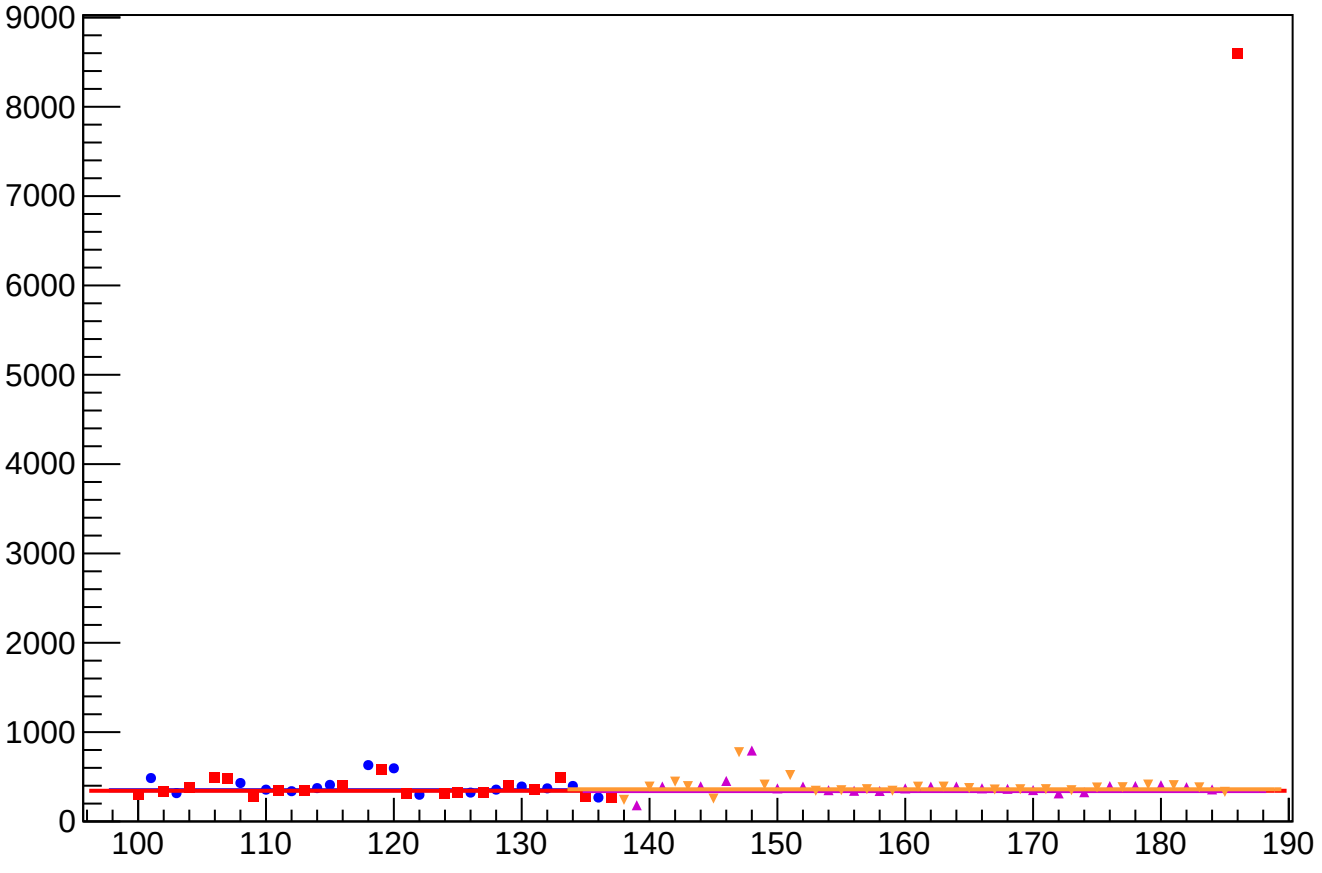
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.041+/-0.071 χ^2/NDF: 27.8/40

All: 0.018+/-0.050 χ^2/NDF: 72.0/83

- sign -0.004+/-0.070 χ^2/NDF: 44.0/42

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

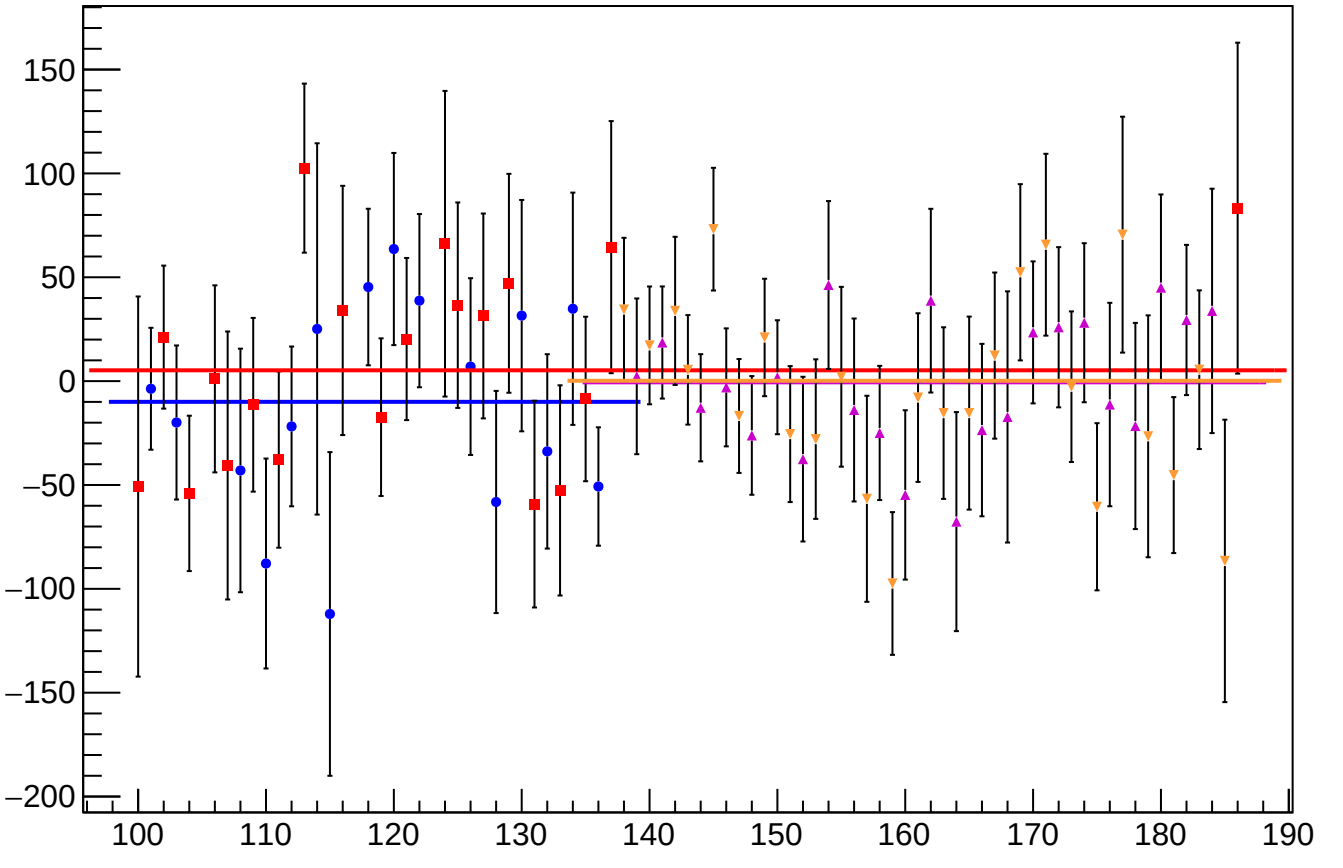
Right Out: 343.380+/-0.091 χ^2/NDF: 1309305.0/19

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 357.048+/-0.050 χ^2/NDF: 2047803.7/40

All: 348.837+/-0.035 χ^2/NDF: 5634961.7/83

- sign 341.001+/-0.049 χ^2/NDF: 3535361.3/42



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

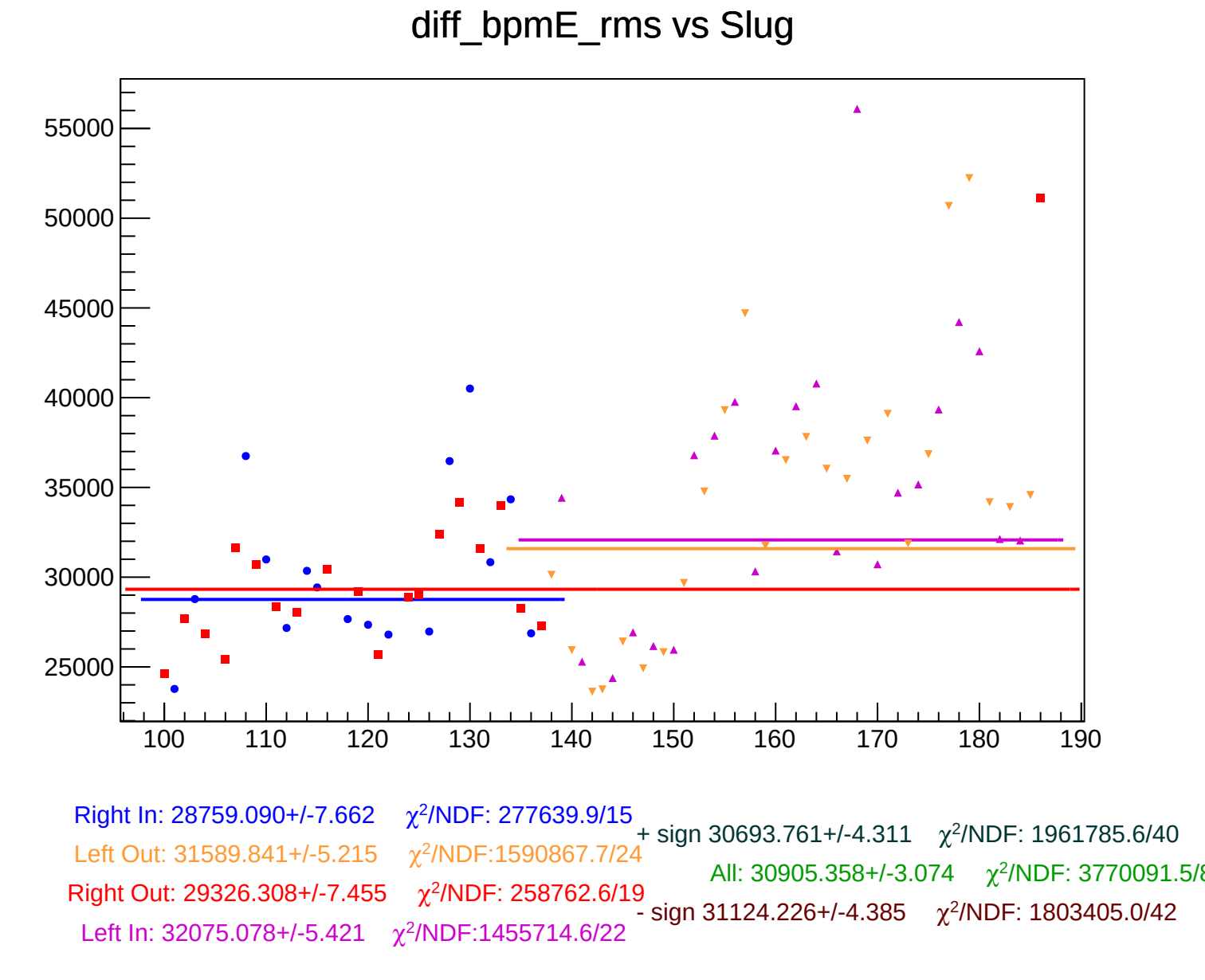
Right Out: 5.205+/-10.543 χ^2/NDF: 18.3/19

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -3.041+/-6.097 χ^2/NDF: 47.0/40

All: -0.850+/-4.347 χ^2/NDF: 78.5/83

- sign 1.417+/-6.201 χ^2/NDF: 31.3/42


diff_bpmE_rms vs Slug
55000
50000
45000
40000
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25000
100
110
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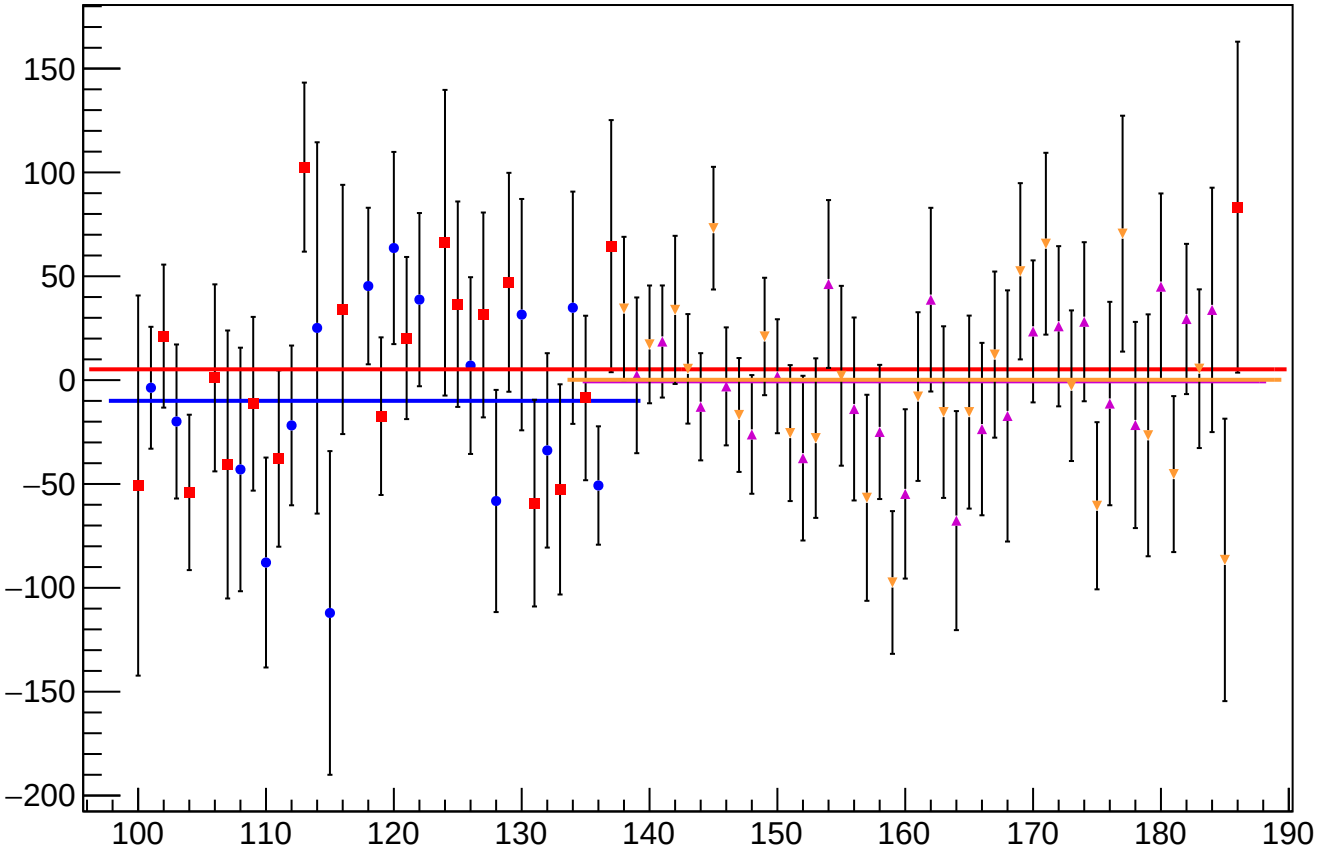
150
160
170
180
190
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 29326.308+/-7.455 χ²/NDF: 258762.6/19
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 30693.761+/-4.311 χ²/NDF: 1961785.6/40
All: 30905.358+/-3.074 χ²/NDF: 3770091.5/8
- sign 31124.226+/-4.385 χ²/NDF: 1803405.0/42

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: 5.205+/-10.543 χ^2/NDF: 18.3/19

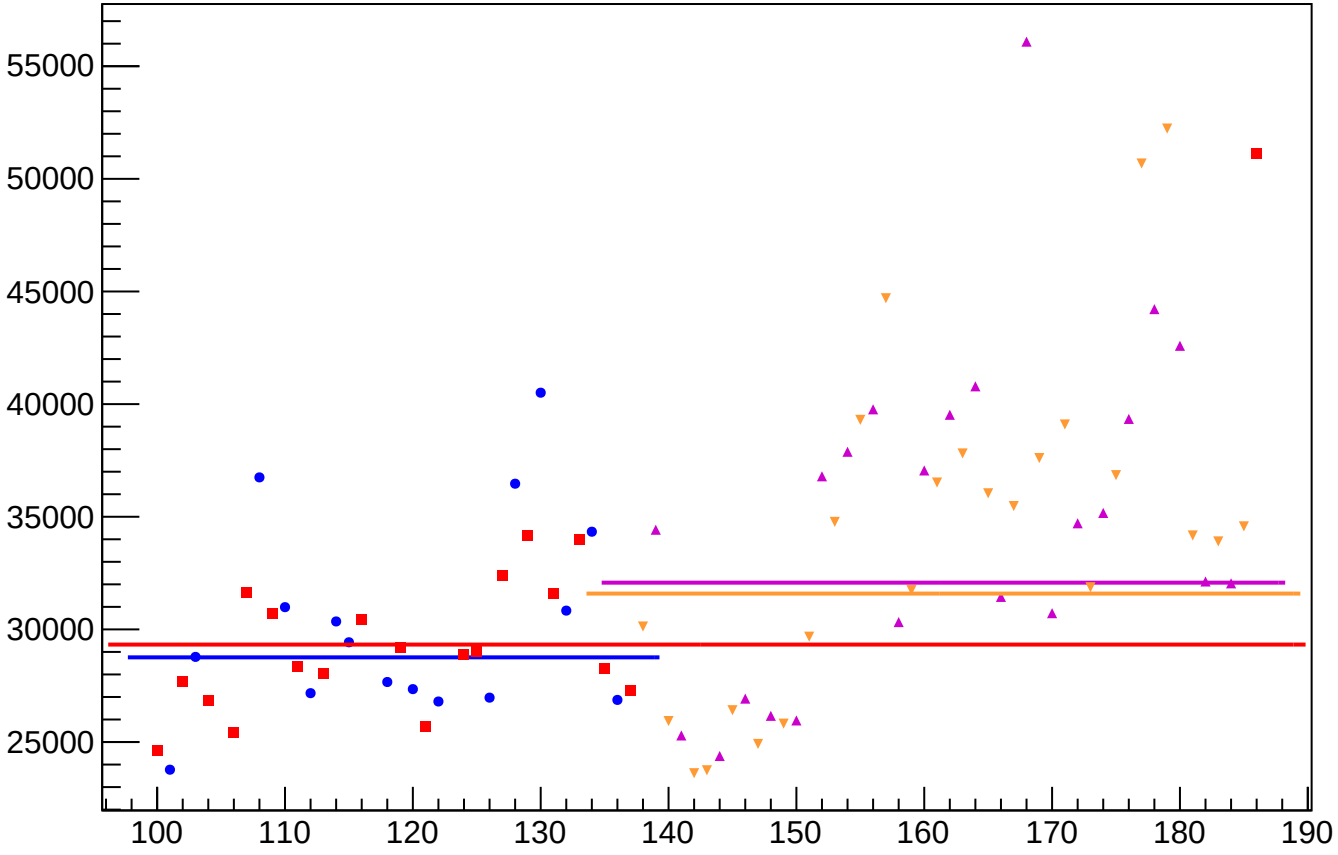
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -3.041+/-6.097 χ^2/NDF: 47.0/40

All: -0.850+/-4.347 χ^2/NDF: 78.5/83

- sign 1.417+/-6.201 χ^2/NDF: 31.3/42

diff_bpmEX_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

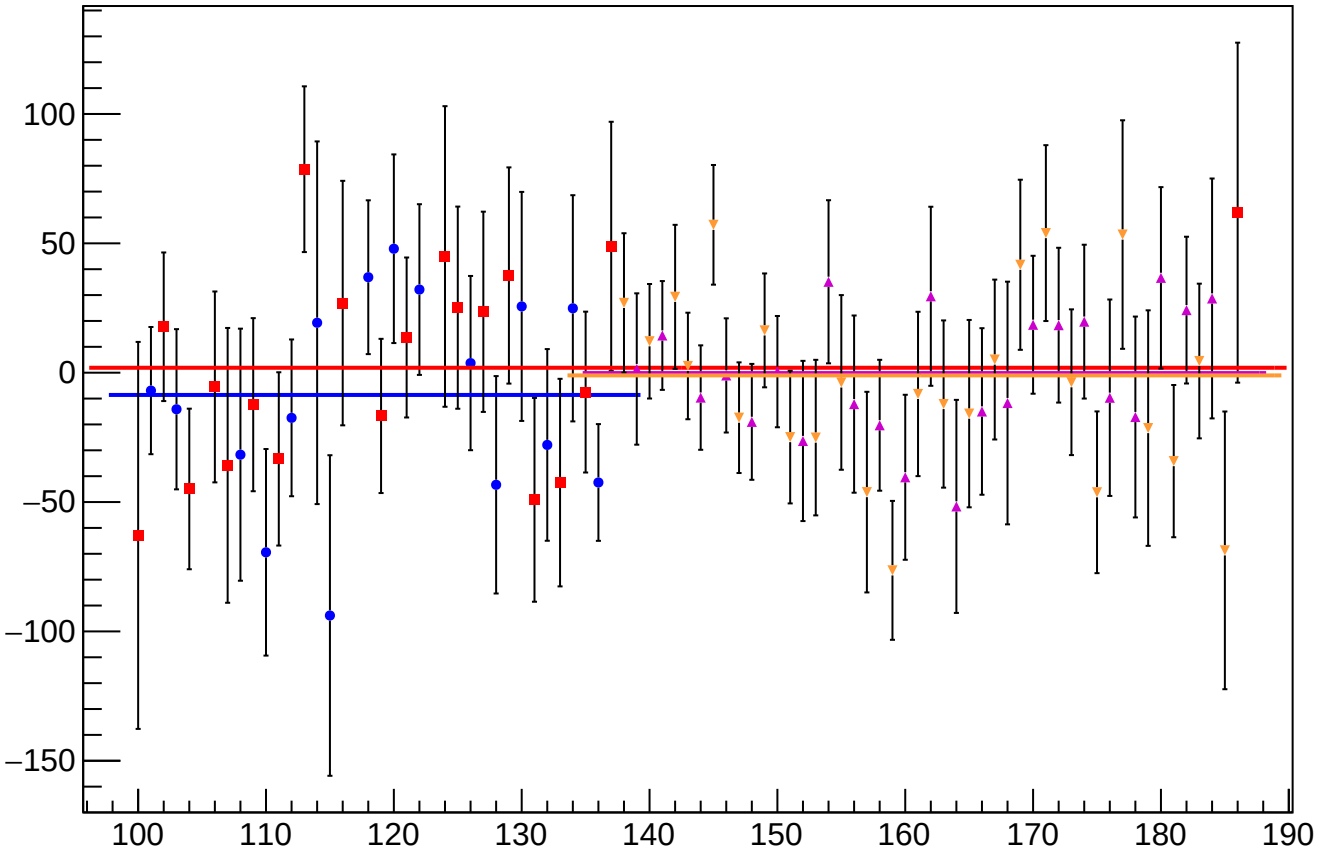
Right Out: 29326.308+/-7.455 χ^2/NDF: 258762.6/19

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 30693.761+/-4.311 χ^2/NDF: 1961785.6/40

All: 30905.358+/-3.074 χ^2/NDF: 3770091.5/8

- sign 31124.226+/-4.385 χ^2/NDF: 1803405.0/42



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: 1.909+/-8.435 χ^2/NDF: 18.4/19

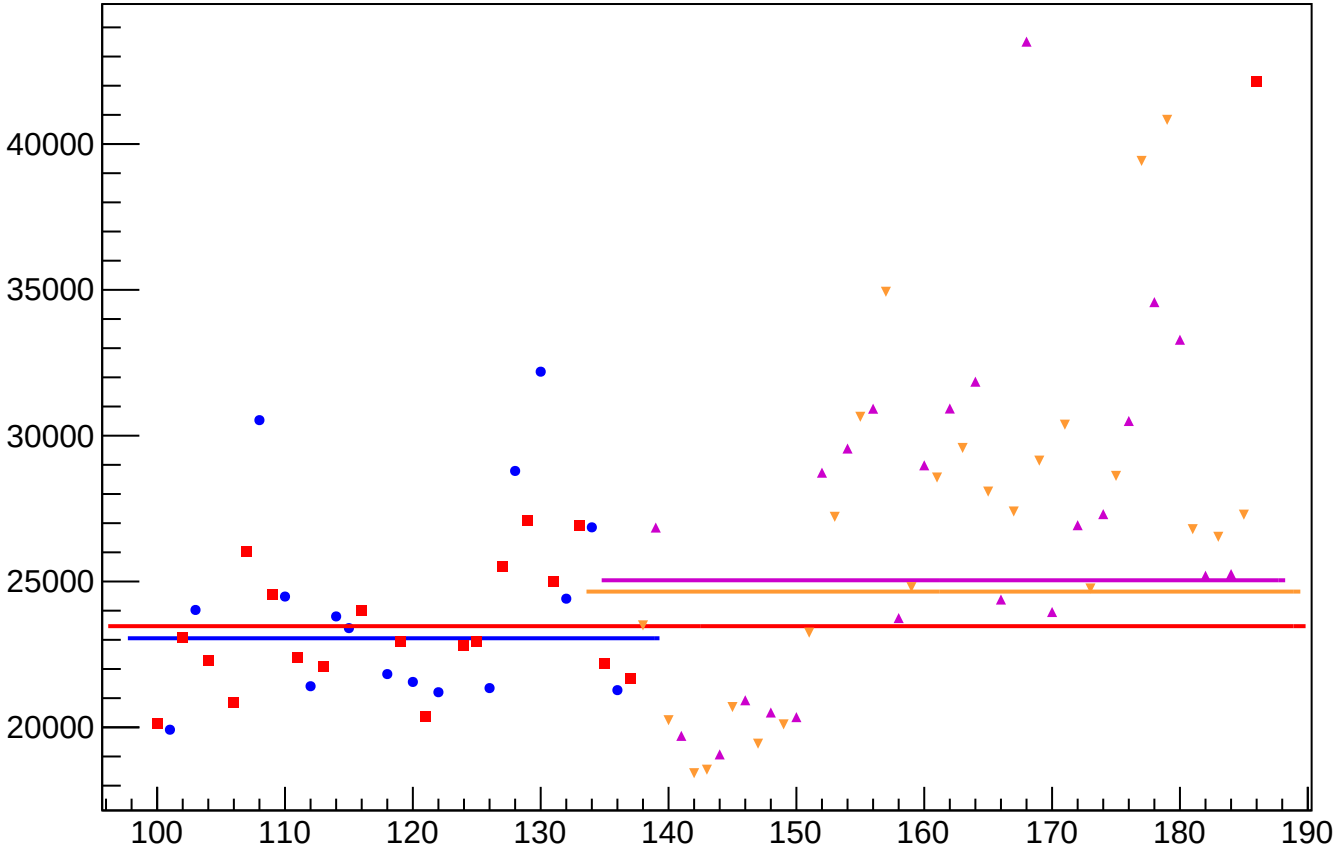
Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -3.350+/-4.796 χ^2/NDF: 48.4/40

All: -1.438+/-3.421 χ^2/NDF: 79.3/83

- sign 0.542+/-4.881 χ^2/NDF: 30.6/42

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

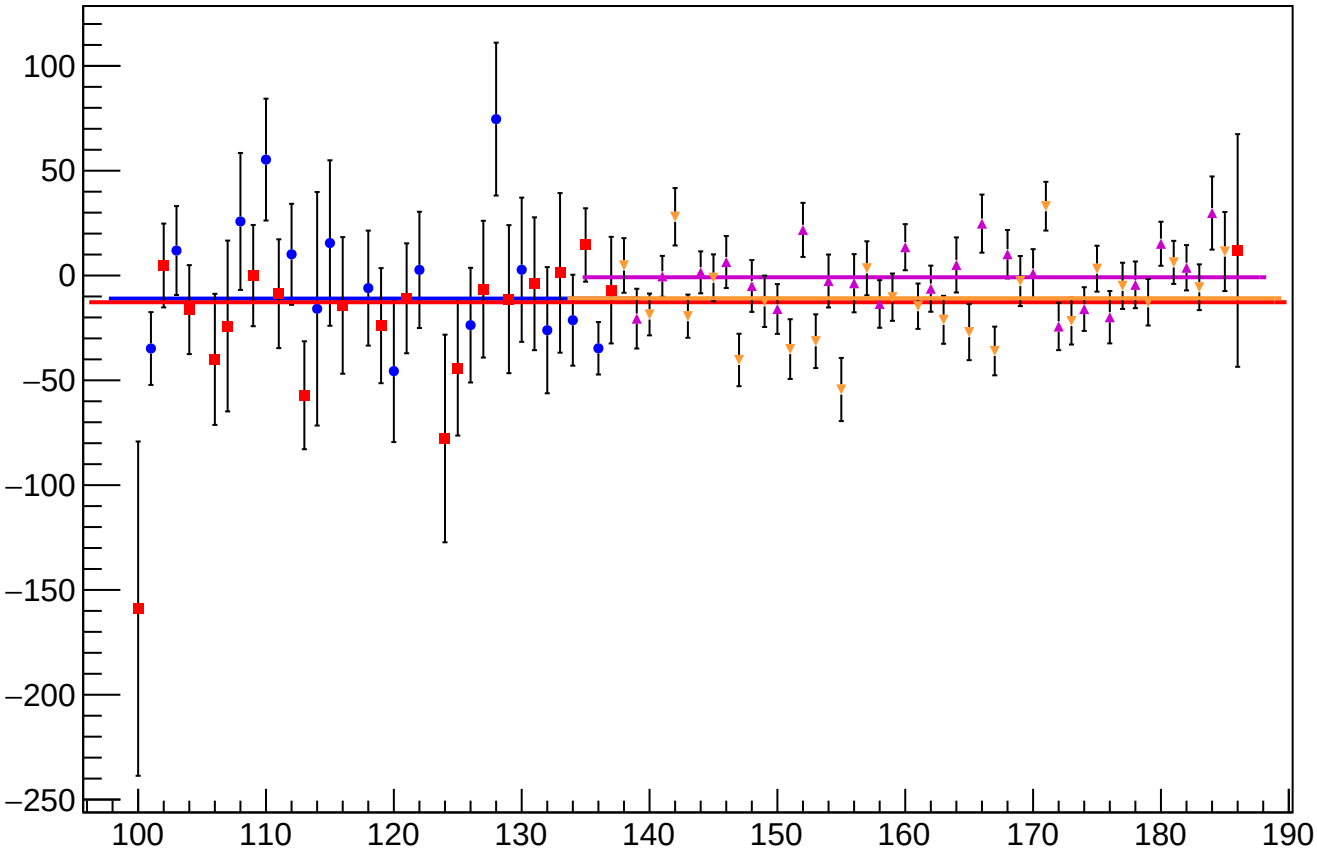
Right Out: 23468.516+/-5.965 χ^2/NDF: 258483.5/19

Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

+ sign 24165.330+/-3.391 χ^2/NDF: 1891379.9/40

All: 24337.173+/-2.419 χ^2/NDF: 3643020.8/8

- sign 24515.167+/-3.451 χ^2/NDF: 1746413.6/42



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -12.744+/-6.340 χ^2/NDF: 14.1/19

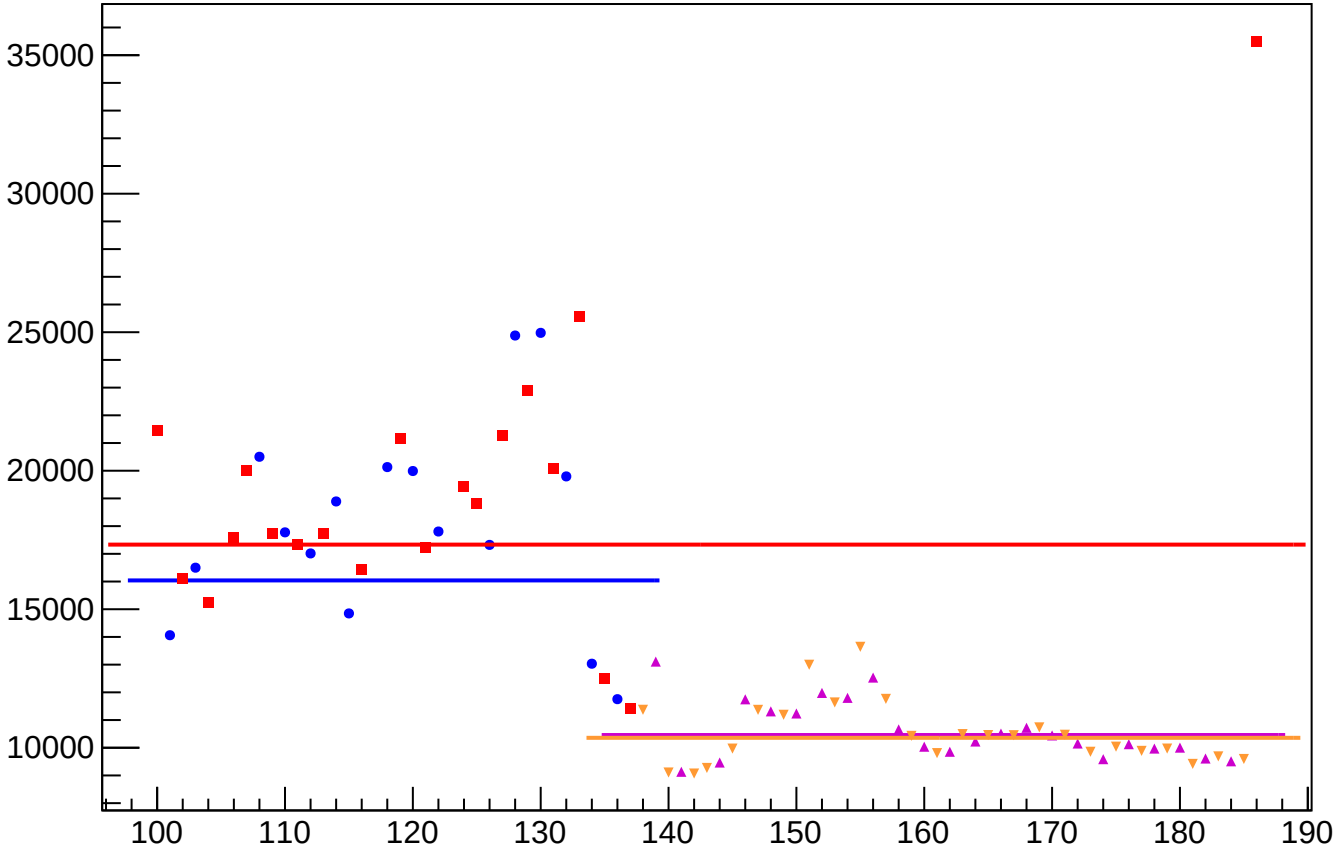
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -10.845+/-2.212 χ^2/NDF: 83.3/40

All: -6.762+/-1.591 χ^2/NDF: 136.9/83

- sign -2.383+/-2.291 χ^2/NDF: 46.5/42

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 17332.697+/-4.483 χ^2/NDF: 752256.5/19

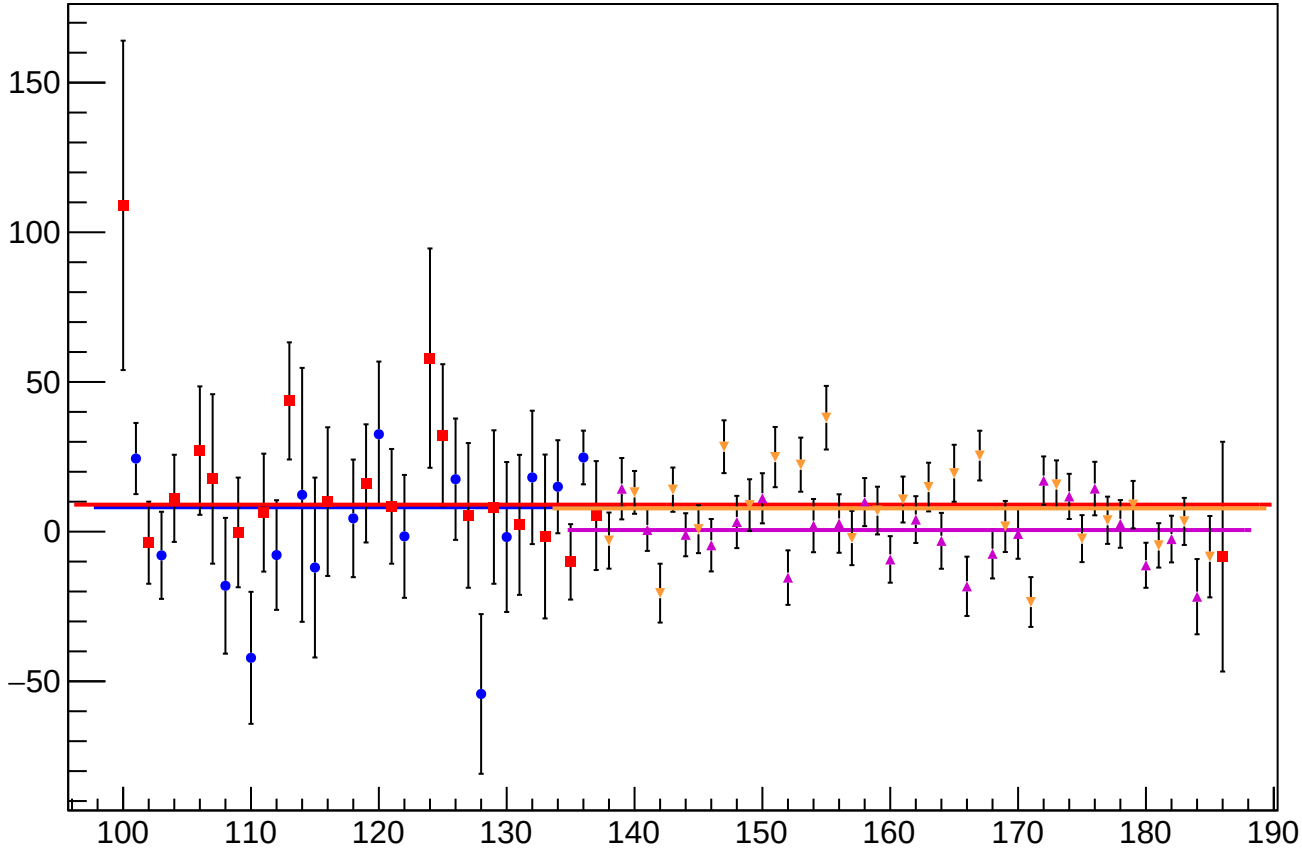
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11092.198+/-1.564 χ^2/NDF: 2569922.2/40

All: 11219.752+/-1.125 χ^2/NDF: 5694410.6/8

- sign 11356.583+/-1.620 χ^2/NDF: 3110703.8/42

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 9.019+/-4.574 χ^2/NDF: 14.1/19

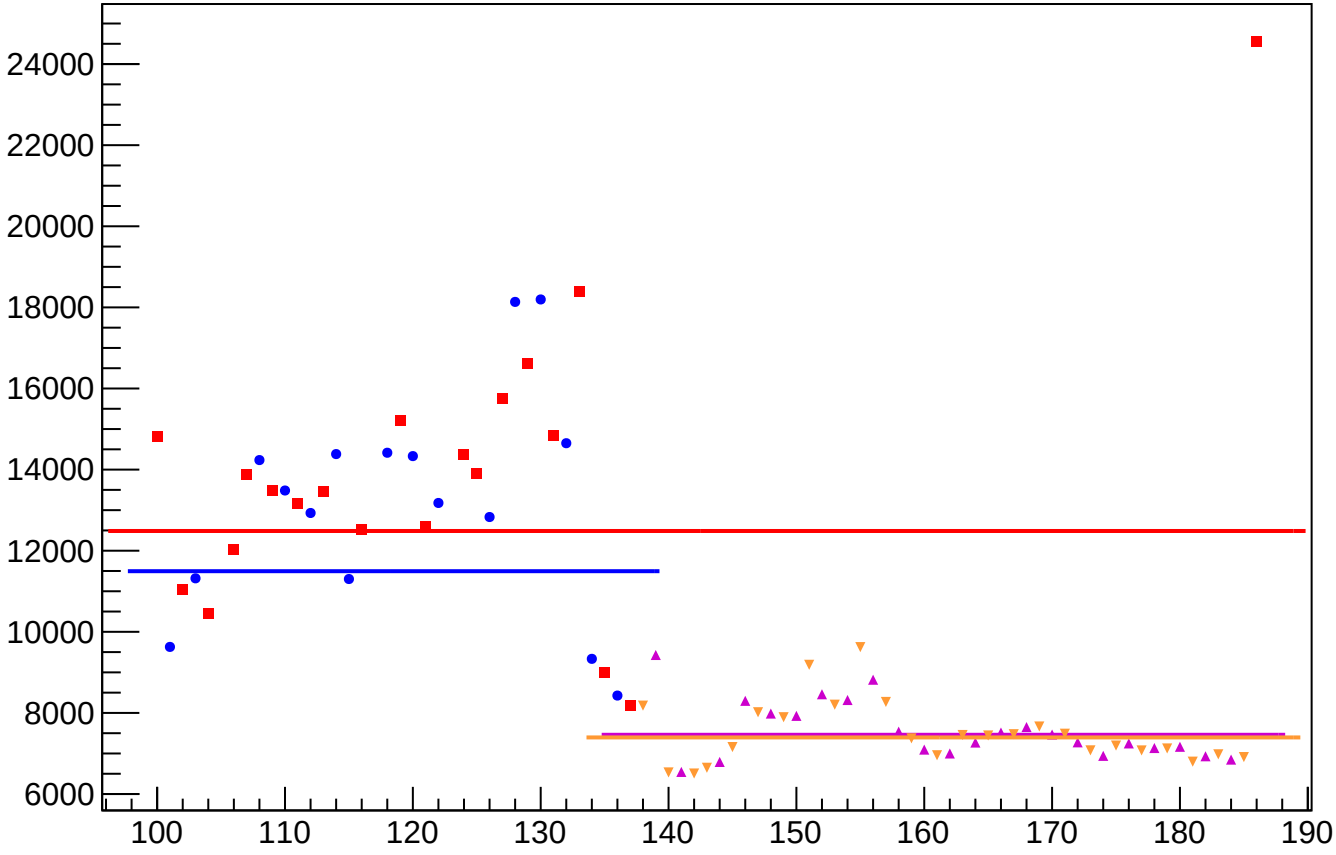
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 7.813+/-1.580 χ^2/NDF: 82.7/40

All: 4.823+/-1.136 χ^2/NDF: 136.7/83

- sign 1.617+/-1.636 χ^2/NDF: 46.5/42

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 12486.424+/-3.235 χ^2/NDF: 799237.4/19

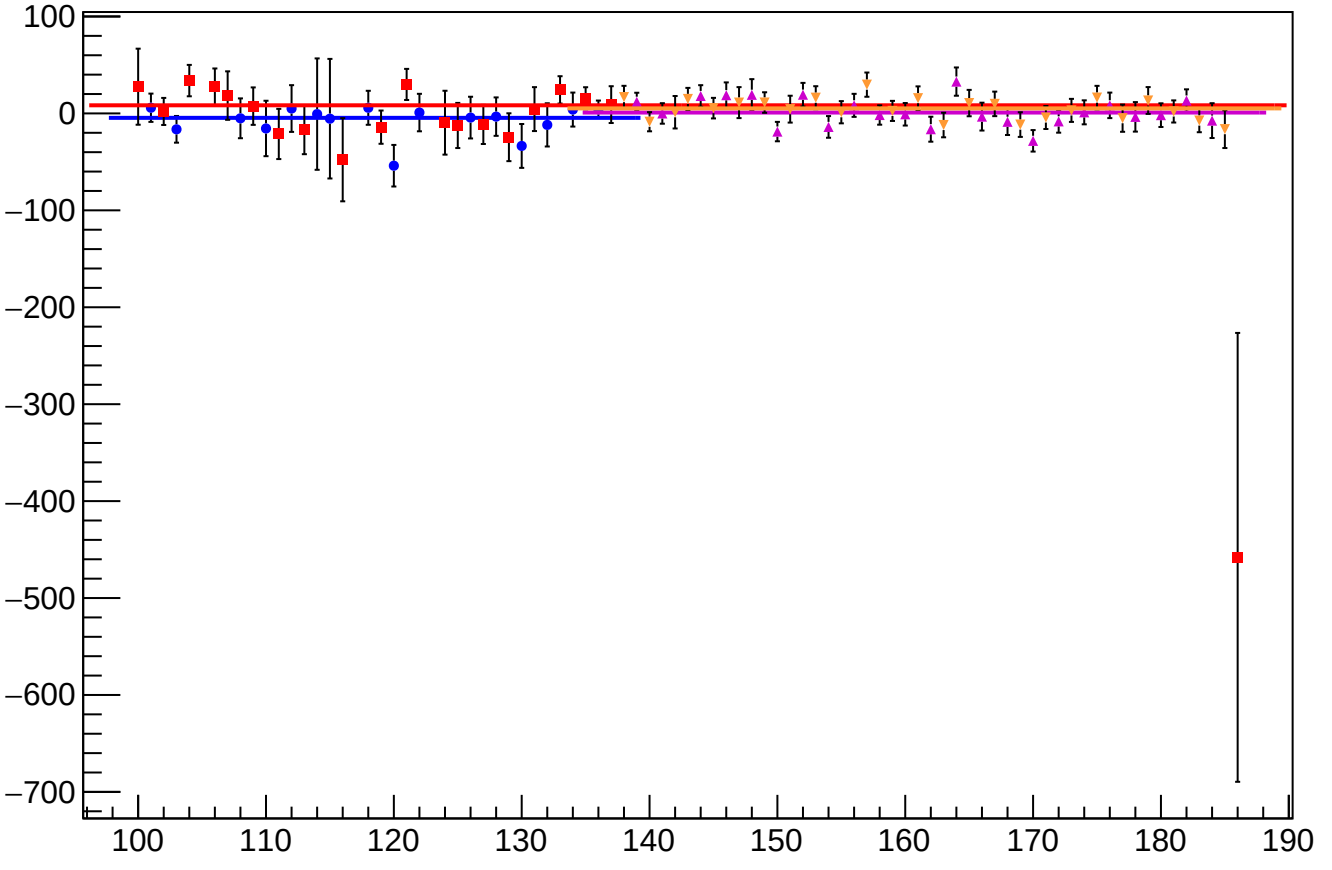
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 7918.729+/-1.117 χ^2/NDF: 2613327.6/40

All: 8007.988+/-0.804 χ^2/NDF: 5815085.2/83

- sign 8103.711+/-1.157 χ^2/NDF: 3188527.2/42

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 8.370+/-4.391 χ^2/NDF: 21.2/19

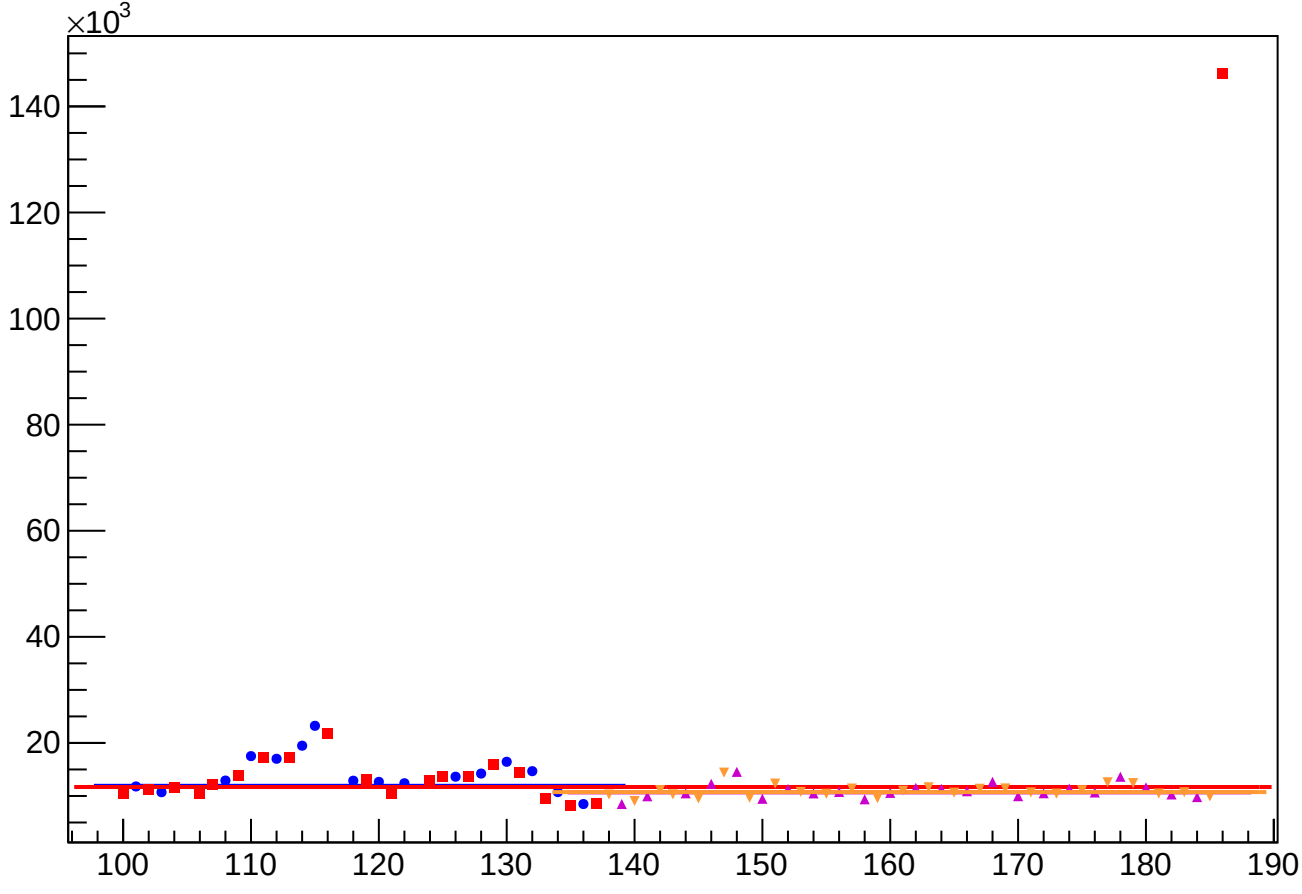
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 2.975+/-2.164 χ^2/NDF: 32.2/40

All: 2.860+/-1.537 χ^2/NDF: 87.4/83

- sign 2.742+/-2.185 χ^2/NDF: 55.2/42

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 11692.018+/-3.105 χ^2/NDF: 1465443.2/19

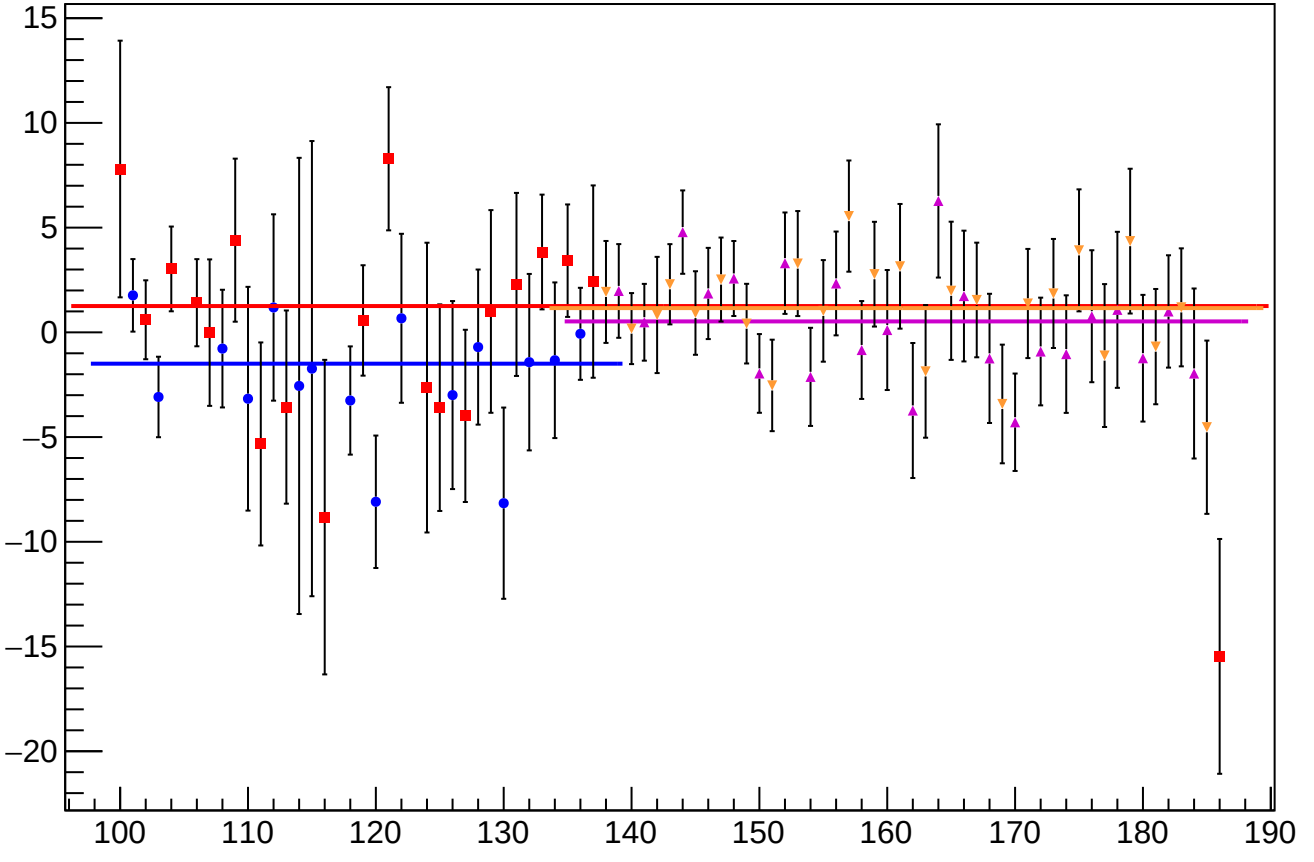
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 11000.671+/-1.530 χ^2/NDF: 1222484.8/40

All: 10964.852+/-1.087 χ^2/NDF: 3269985.8/8

- sign 10928.330+/-1.545 χ^2/NDF: 2046393.9/42

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 1.256+/-0.738 χ^2/NDF: 25.3/19

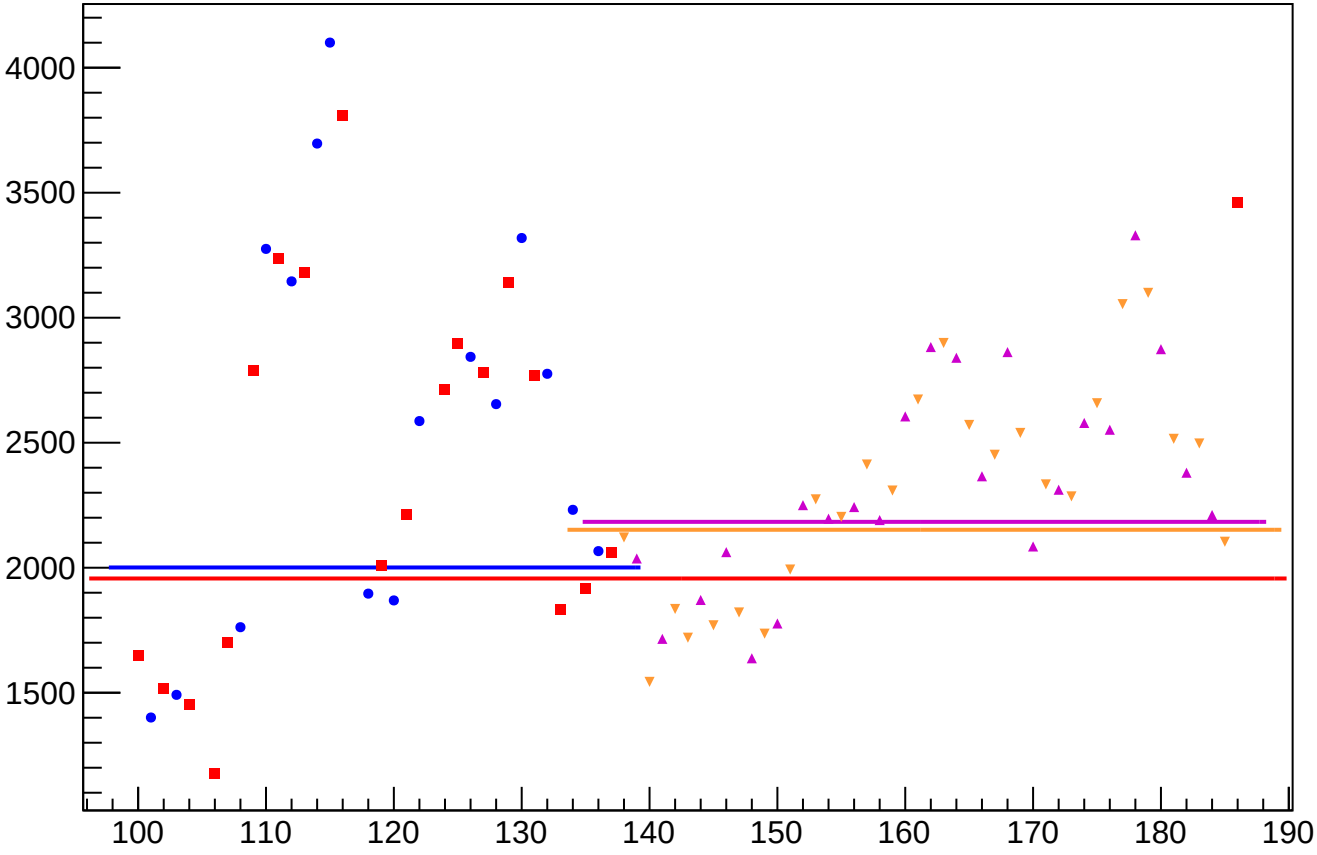
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.382+/-0.421 χ^2/NDF: 37.6/40

All: 0.572+/-0.299 χ^2/NDF: 86.4/83

- sign 0.765+/-0.425 χ^2/NDF: 48.3/42

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

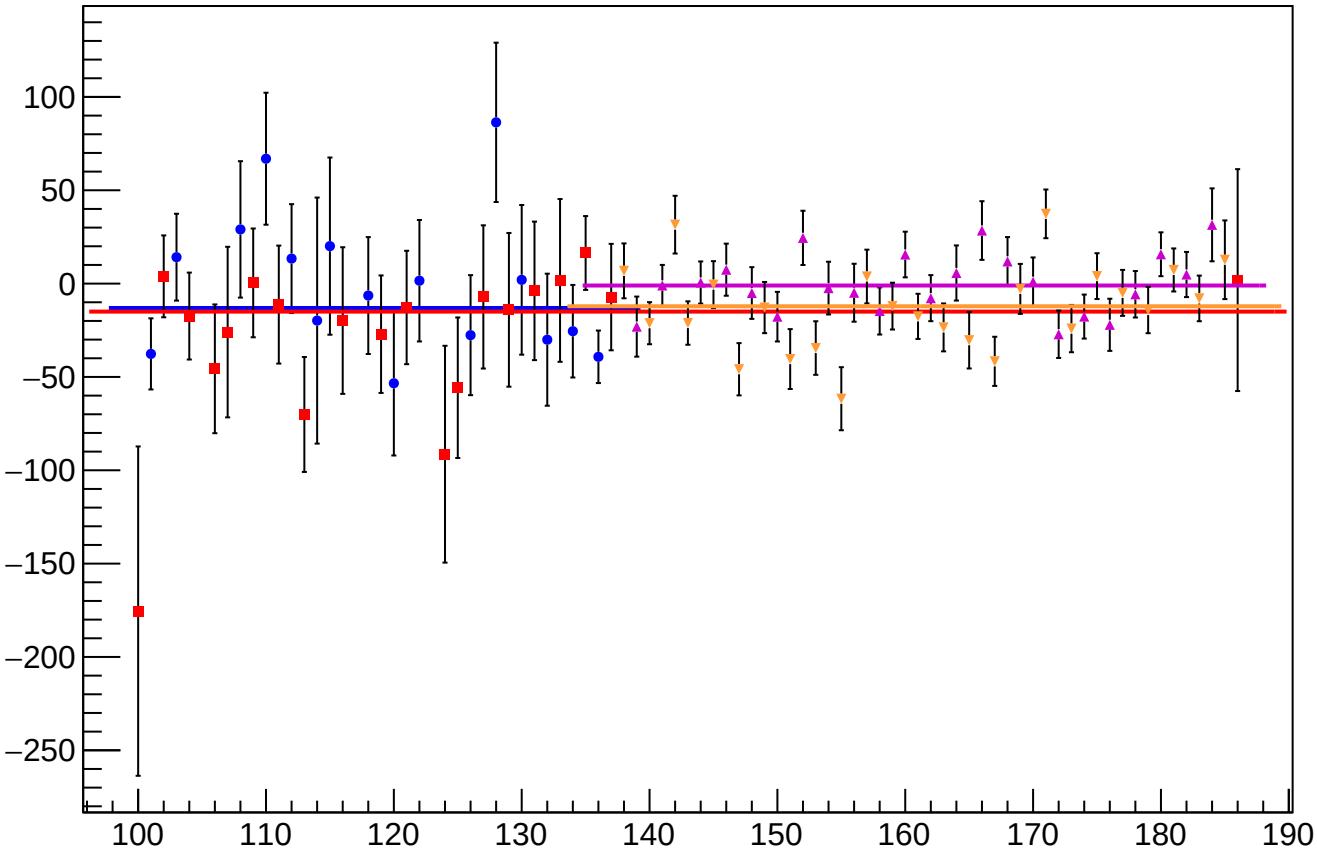
Right Out: 1956.950+/-0.522 χ^2/NDF: 1549923.1/19

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 2107.694+/-0.298 χ^2/NDF: 2592436.4/40

All: 2108.023+/-0.211 χ^2/NDF: 5430563.4/83

- sign 2108.359+/-0.301 χ^2/NDF: 2838124.5/42



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: -14.996+/-7.266 χ^2/NDF: 14.4/19

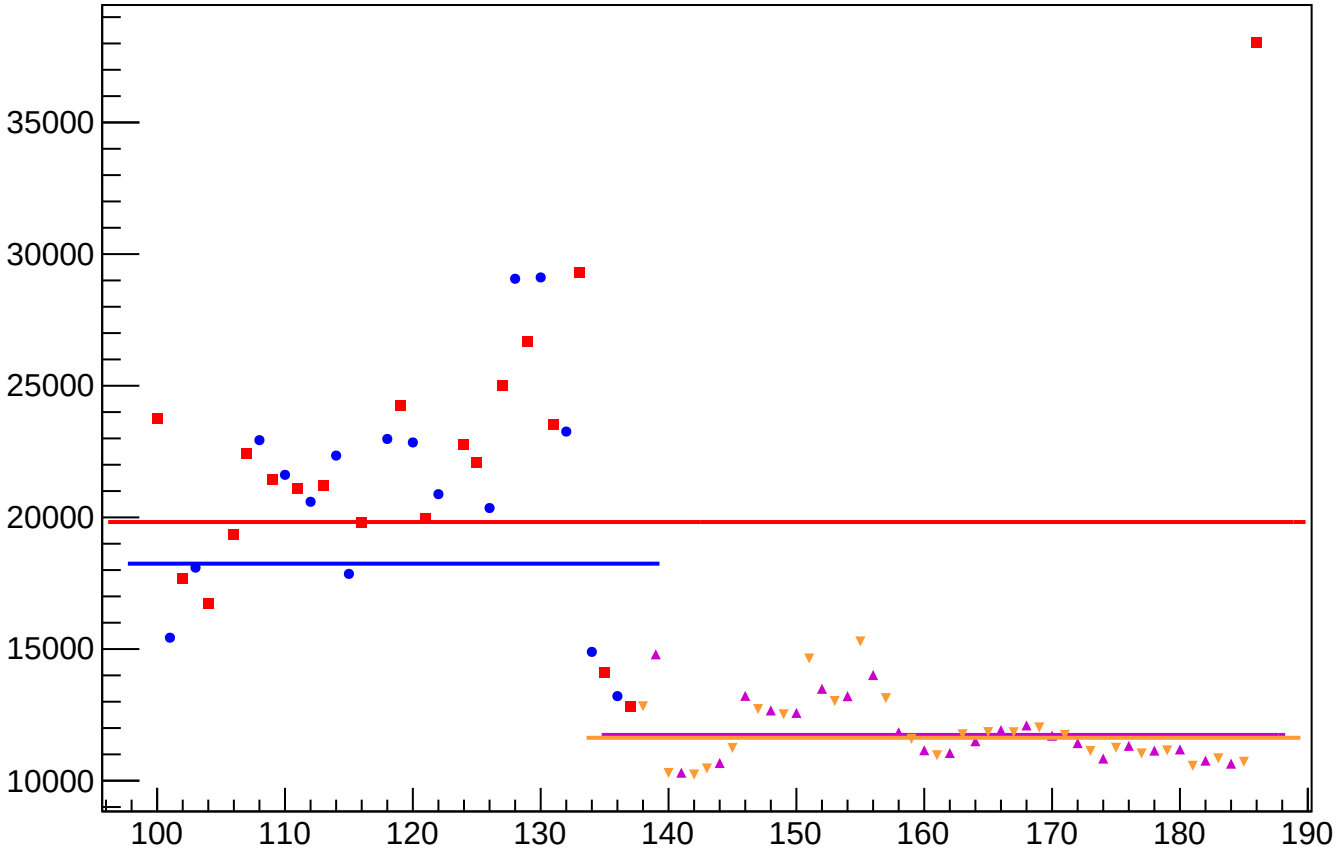
Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

+ sign -12.251+/-2.489 χ^2/NDF: 84.5/40

All: -7.685+/-1.791 χ^2/NDF: 137.9/83

- sign -2.783+/-2.578 χ^2/NDF: 46.5/42

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 19824.616+/-5.138 χ^2/NDF: 812168.2/19

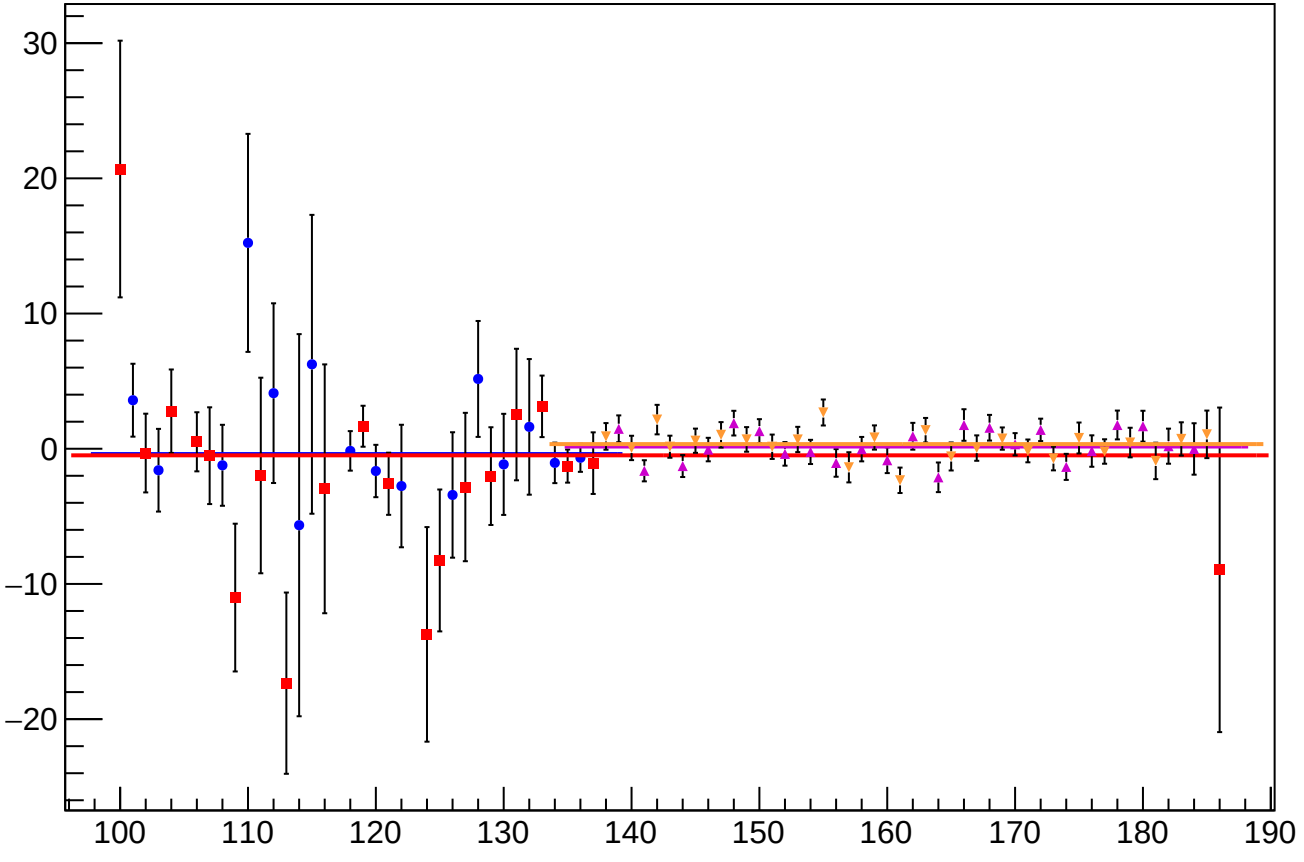
Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

+ sign 12459.768+/-1.760 χ^2/NDF: 2725275.1/40

All: 12602.881+/-1.266 χ^2/NDF: 6030008.2/8

- sign 12756.477+/-1.823 χ^2/NDF: 3291020.2/42

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.488+/-0.633 χ^2/NDF: 28.5/19

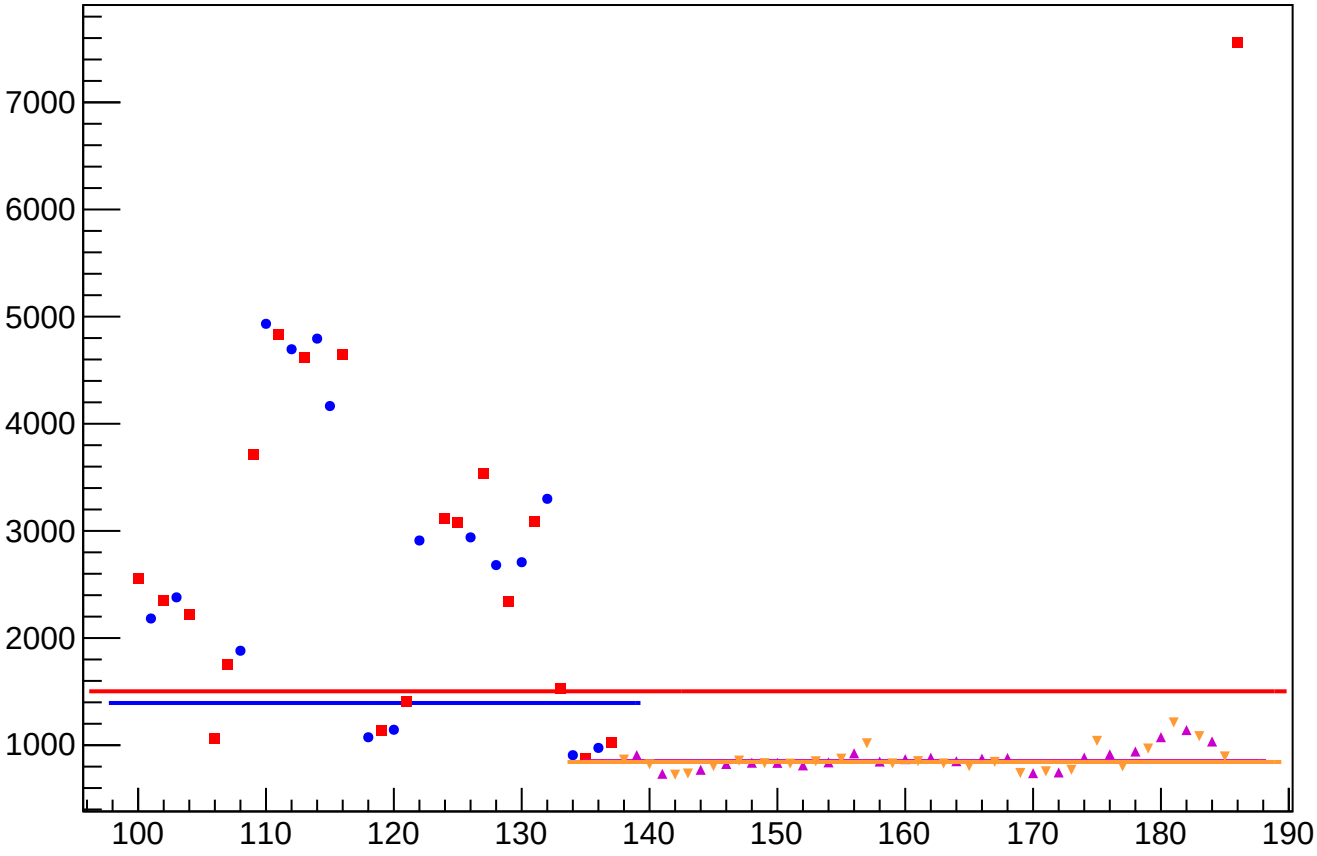
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.273+/-0.184 χ^2/NDF: 38.5/40

All: 0.192+/-0.133 χ^2/NDF: 104.8/83

- sign 0.105+/-0.191 χ^2/NDF: 65.9/42

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

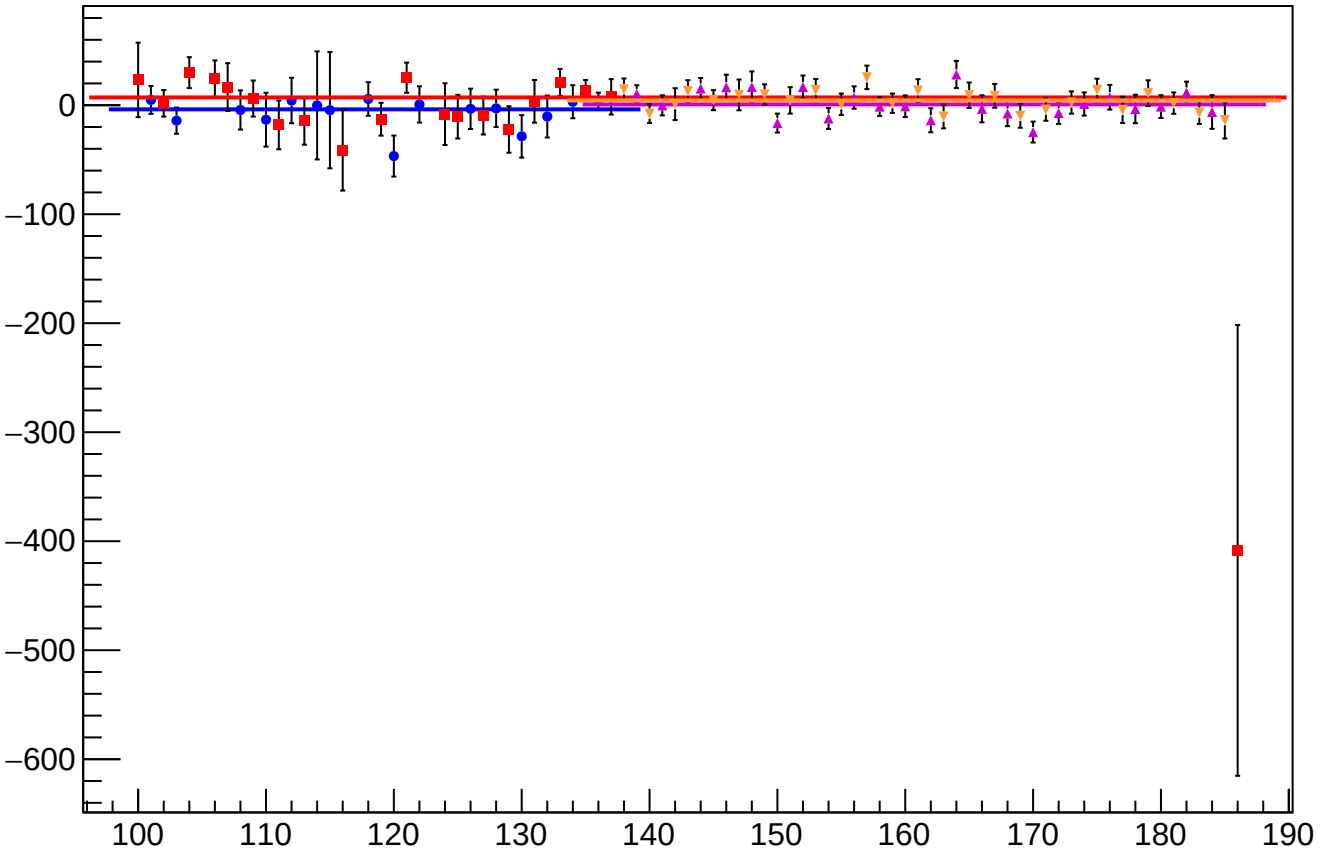
Right Out: 1502.887+/-0.448 χ^2/NDF: 3909166.8/19

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 895.246+/-0.130 χ^2/NDF: 5410930.4/40

All: 902.920+/-0.094 χ^2/NDF: 11633155.3/83

- sign 911.195+/-0.135 χ^2/NDF: 6215024.3/42



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

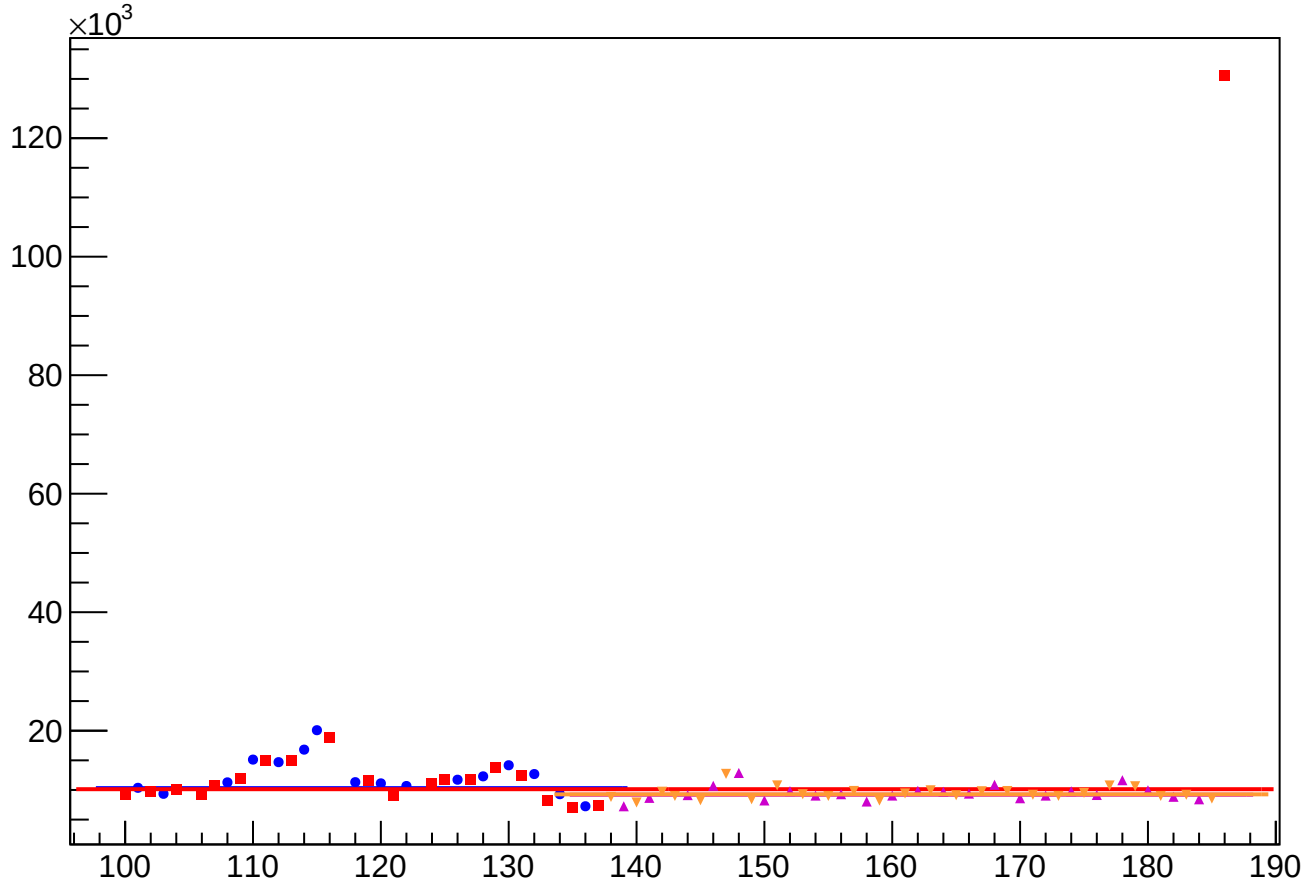
Right Out: 7.123+/-3.806 χ^2/NDF: 21.3/19

Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 2.547+/-1.868 χ^2/NDF: 32.0/40

All: 2.425+/-1.327 χ^2/NDF: 87.4/83

- sign 2.302+/-1.886 χ^2/NDF: 55.4/42



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 10130.396+/-2.691 χ^2/NDF: 1471337.7/19

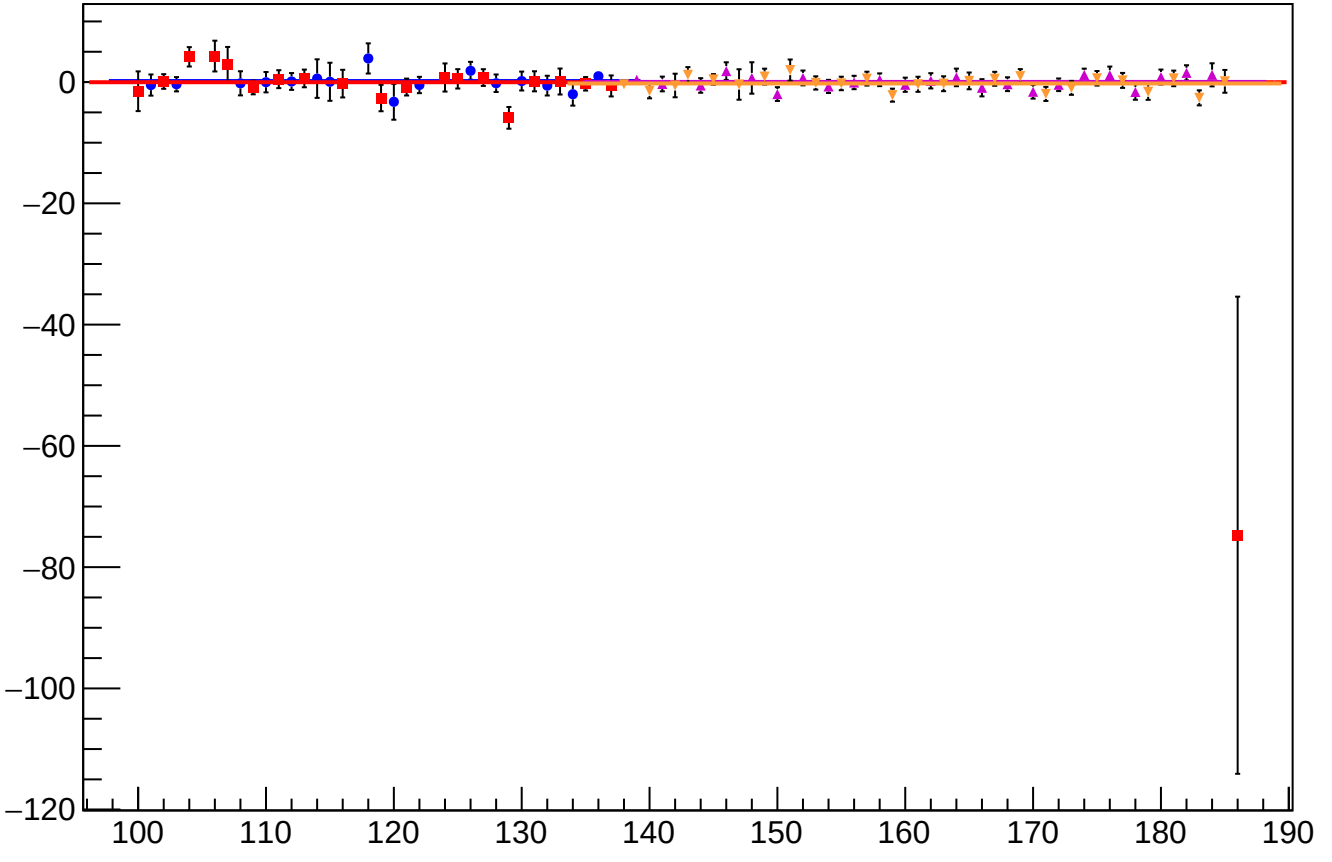
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9496.928+/-1.321 χ^2/NDF: 1246240.1/40

All: 9462.766+/-0.938 χ^2/NDF: 3324686.0/83

- sign 9427.972+/-1.333 χ^2/NDF: 2077096.3/42

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

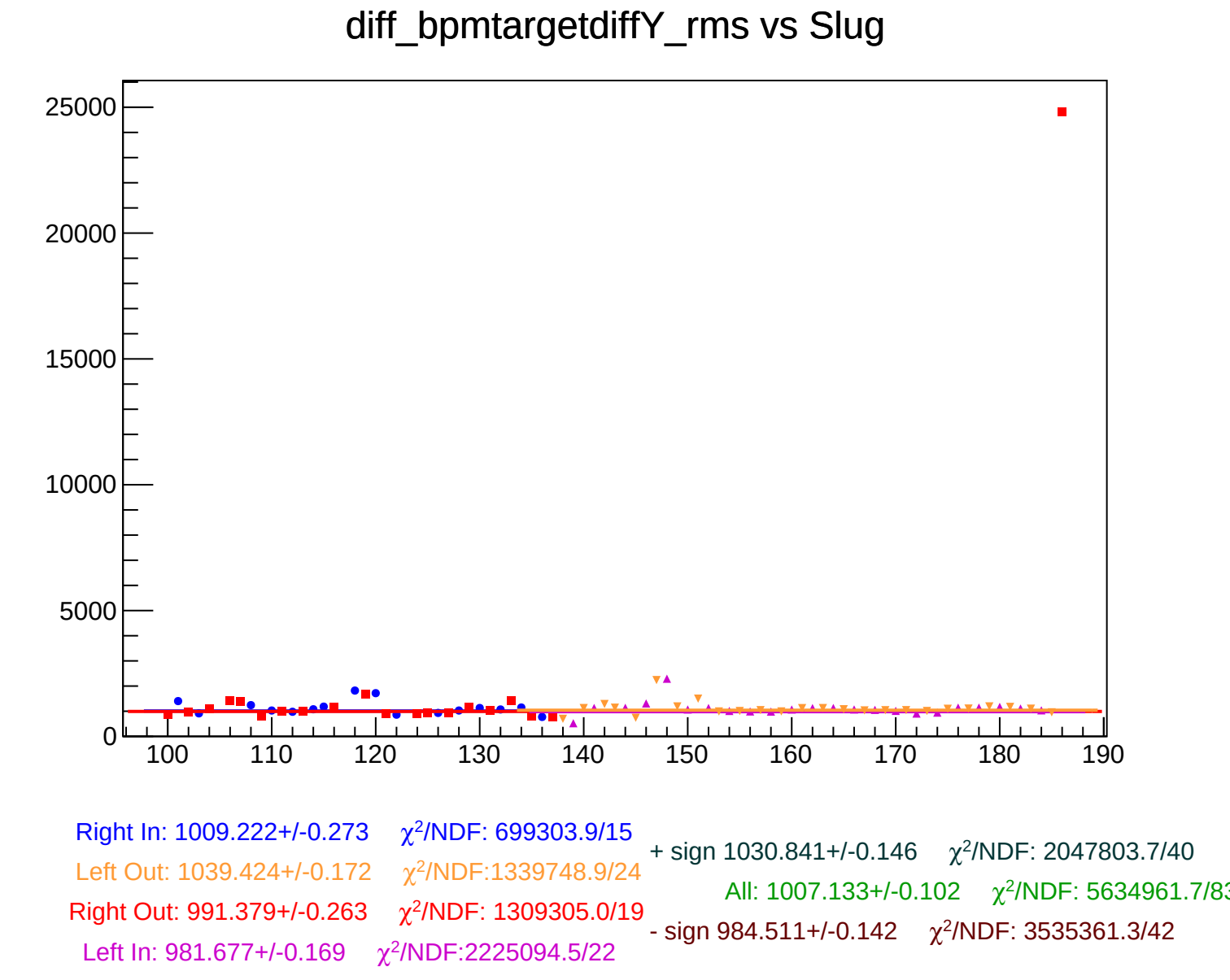
Right Out: -0.024+/-0.372 χ^2/NDF: 28.8/19

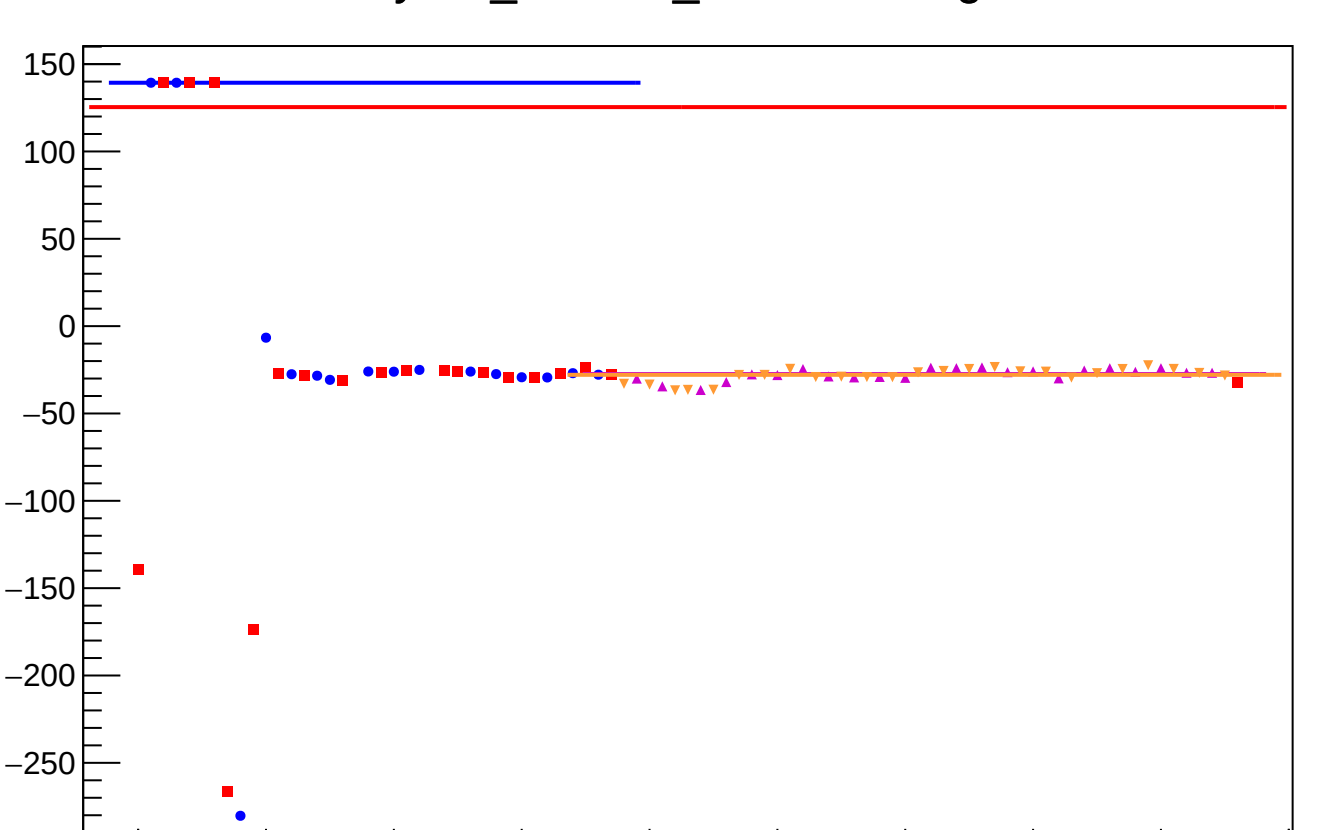
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.117+/-0.206 χ^2/NDF: 27.8/40

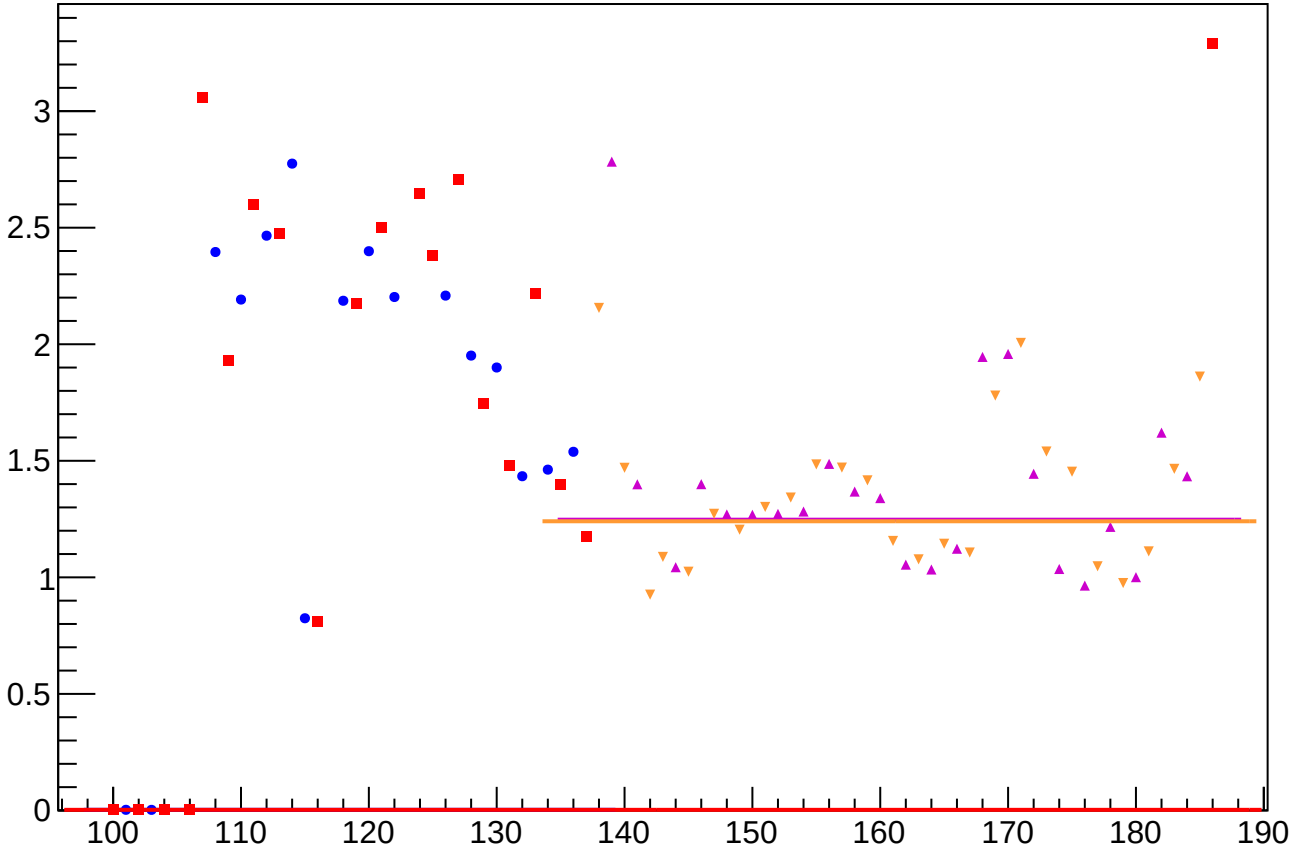
All: -0.052+/-0.144 χ^2/NDF: 72.0/83

- sign 0.011+/-0.201 χ^2/NDF: 44.0/42


diff_bpmtargetdiffY_rms vs Slug
25000
20000
15000
10000
5000
0
100
110
120
130
140
150
160
170
180
190
Right In: 1009.222+/-0.273 χ²/NDF: 699303.9/15
Left Out: 1039.424+/-0.172 χ²/NDF:1339748.9/24
Right Out: 991.379+/-0.263 χ²/NDF: 1309305.0/19
Left In: 981.677+/-0.169 χ²/NDF:2225094.5/22
+ sign 1030.841+/-0.146 χ²/NDF: 2047803.7/40
All: 1007.133+/-0.102 χ²/NDF: 5634961.7/83
- sign 984.511+/-0.142 χ²/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: 47088045550.1/15
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: 321631886076.8/4
All: 131.810+/-0.000 χ²/NDF: 79348836824
- sign 125.385+/-0.000 χ²/NDF: 774387654792580

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

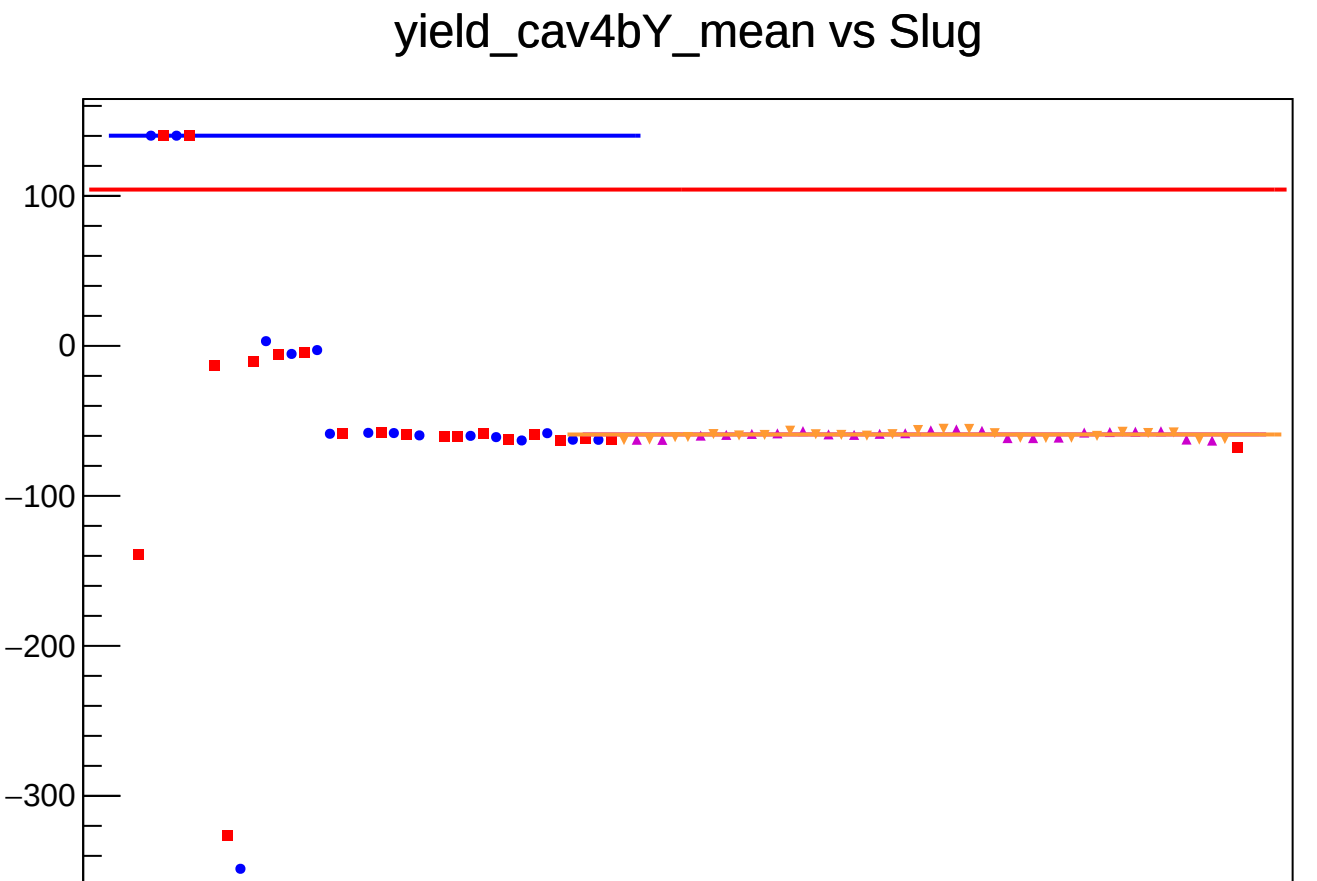
Right Out: 0.003+/-0.000 χ^2/NDF: 10498573.8/19

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 40864313.1/40

All: 0.003+/-0.000 χ^2/NDF: 81130609.4/83

- sign 0.003+/-0.000 χ^2/NDF: 40265926.1/42



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.224+/-0.000 χ^2/NDF: 1257402033372511.8/19

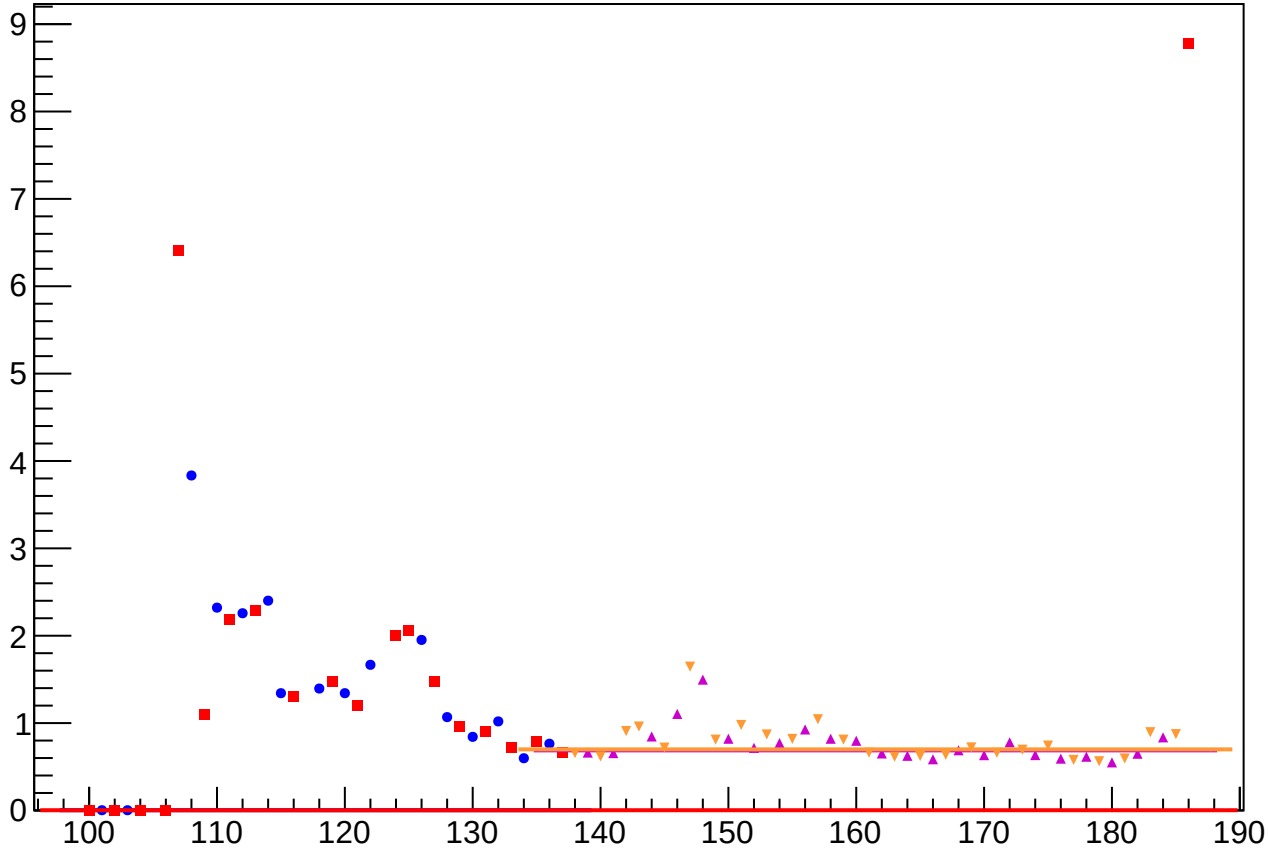
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.107+/-0.000 χ^2/NDF: 1484652986427.2

All: 120.801+/-0.000 χ^2/NDF: 13829940771

- sign 104.199+/-0.000 χ^2/NDF: 125825909831959

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

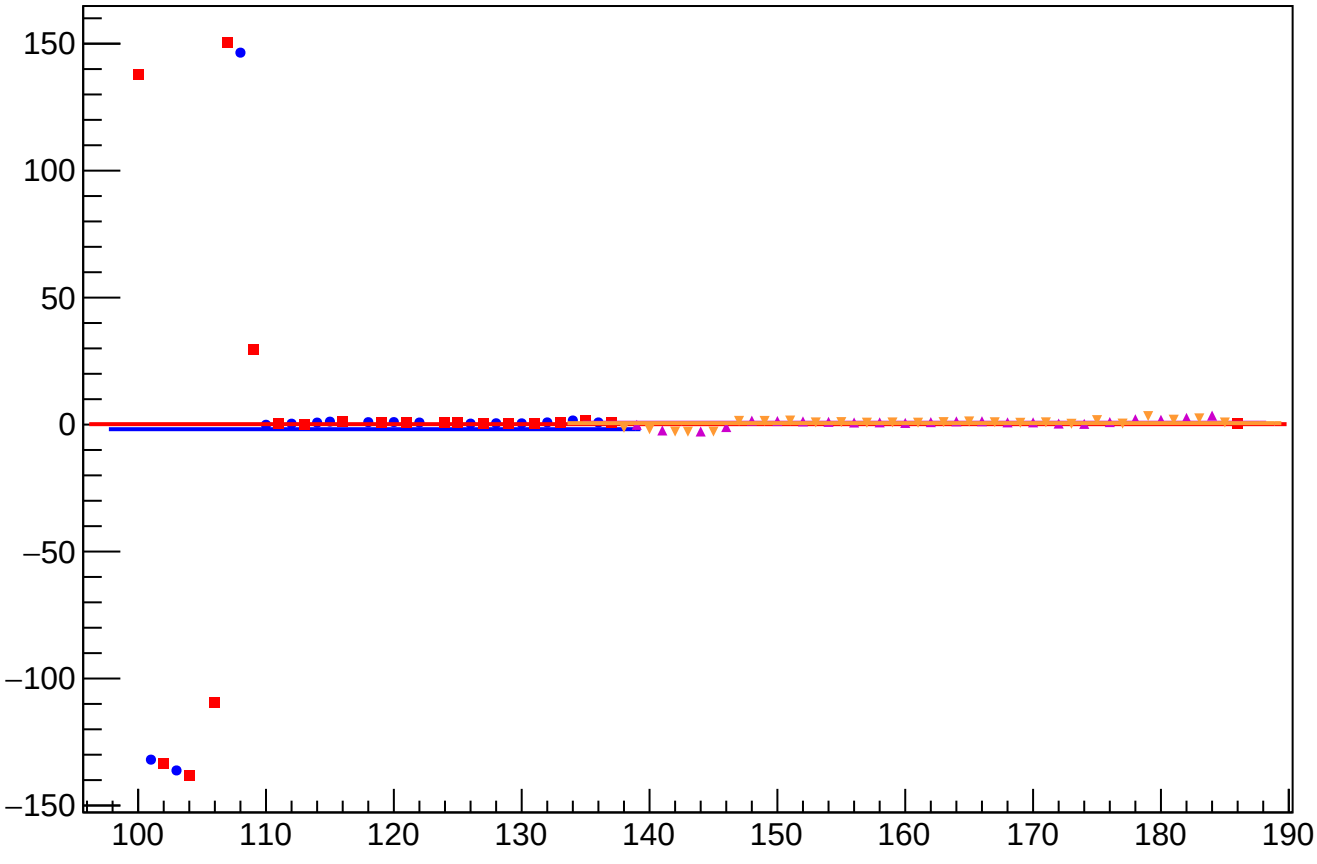
Right Out: 0.003+/-0.000 χ^2/NDF: 11051642.8/19

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 43633096.9/40

All: 0.003+/-0.000 χ^2/NDF: 85995844.6/83

- sign 0.003+/-0.000 χ^2/NDF: 42362188.1/42



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.168+/-0.000 χ^2/NDF: 3611251987.1/19

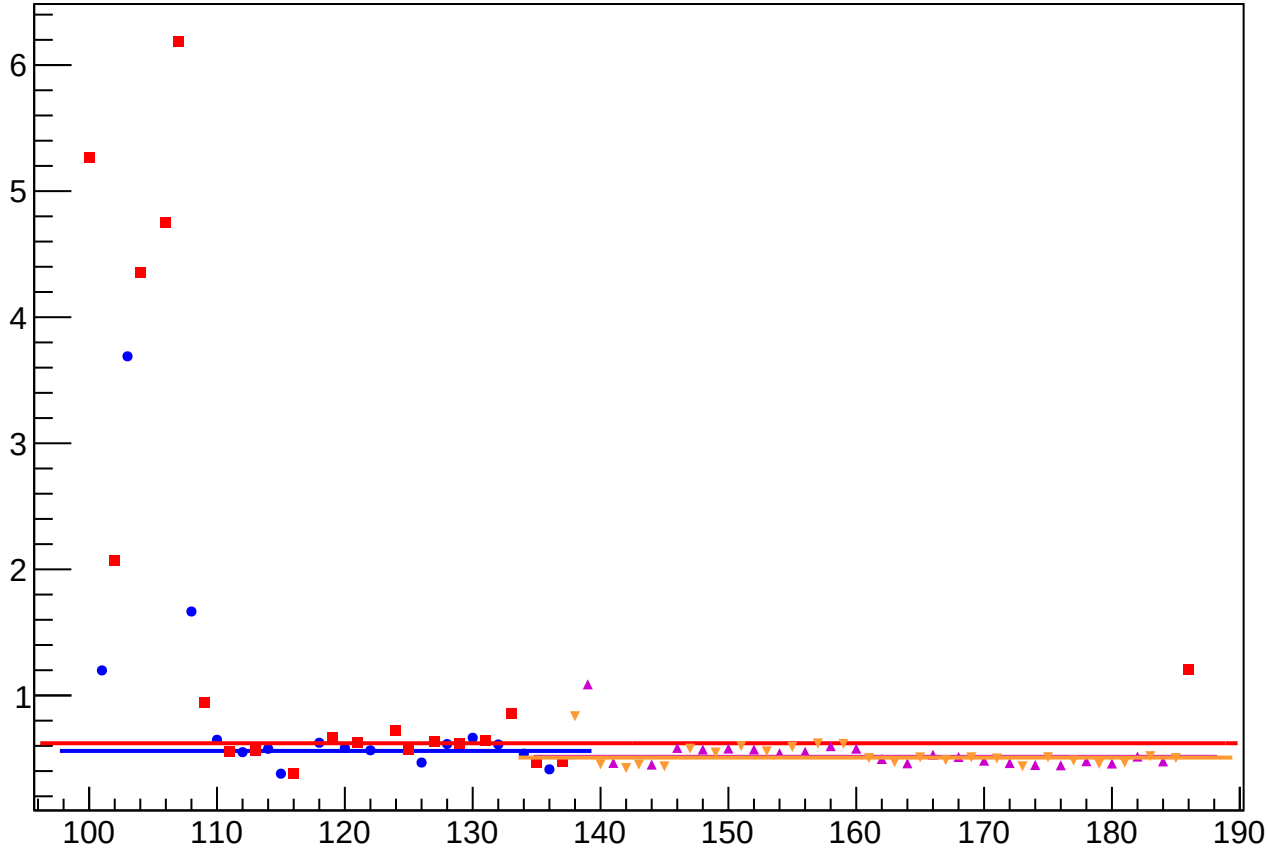
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.074+/-0.000 χ^2/NDF: 10114541398.0/40

All: 0.334+/-0.000 χ^2/NDF: 13845415746.6/8

- sign 0.622+/-0.000 χ^2/NDF: 3719882769.5/42

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

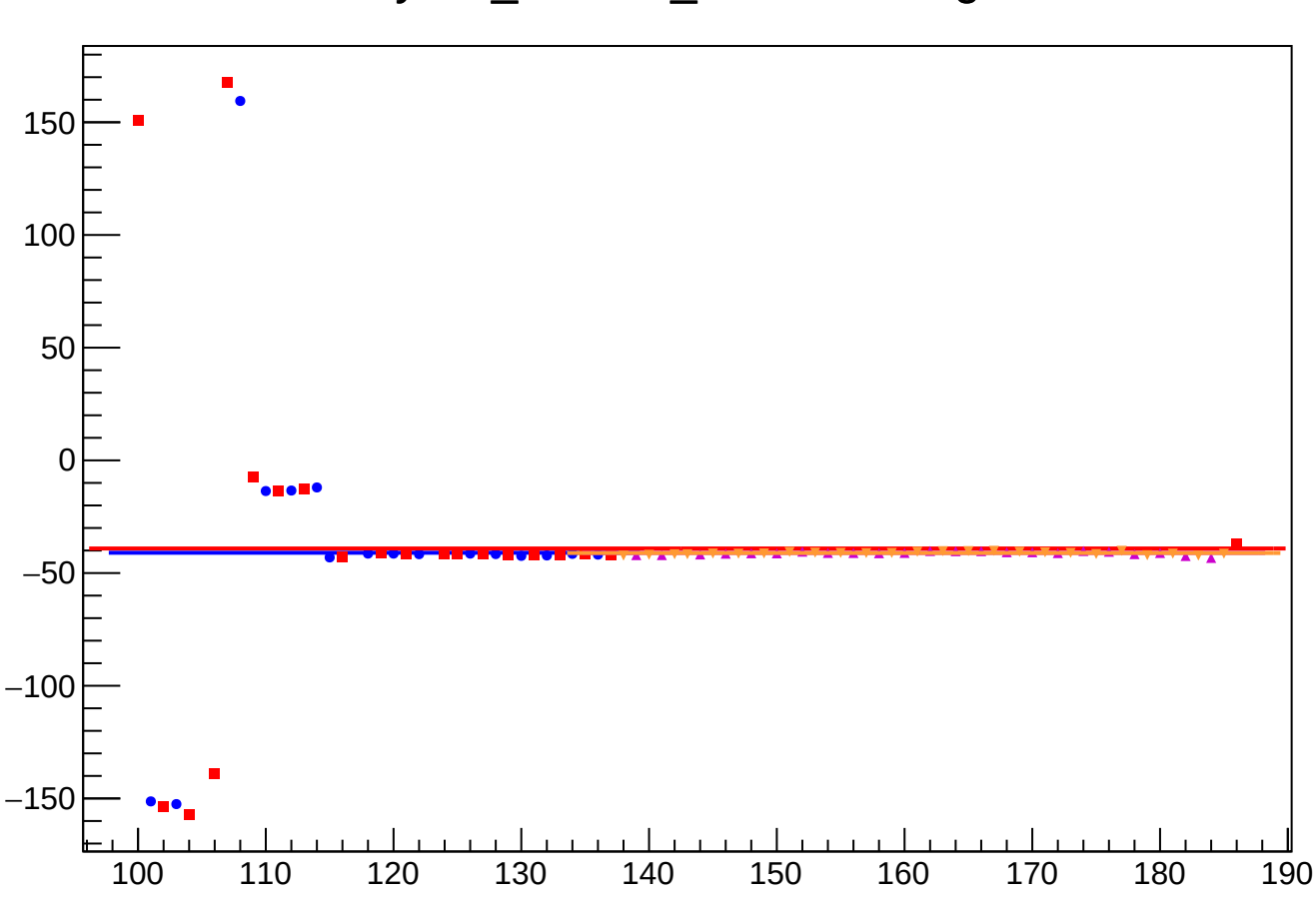
Right Out: 0.621+/-0.000 χ^2/NDF: 2658549.2/19

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.518+/-0.000 χ^2/NDF: 2224141.9/40

All: 0.526+/-0.000 χ^2/NDF: 5910463.1/83

- sign 0.534+/-0.000 χ^2/NDF: 3667906.1/42



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -39.096+/-0.000 χ^2/NDF: 2480294329.2/19

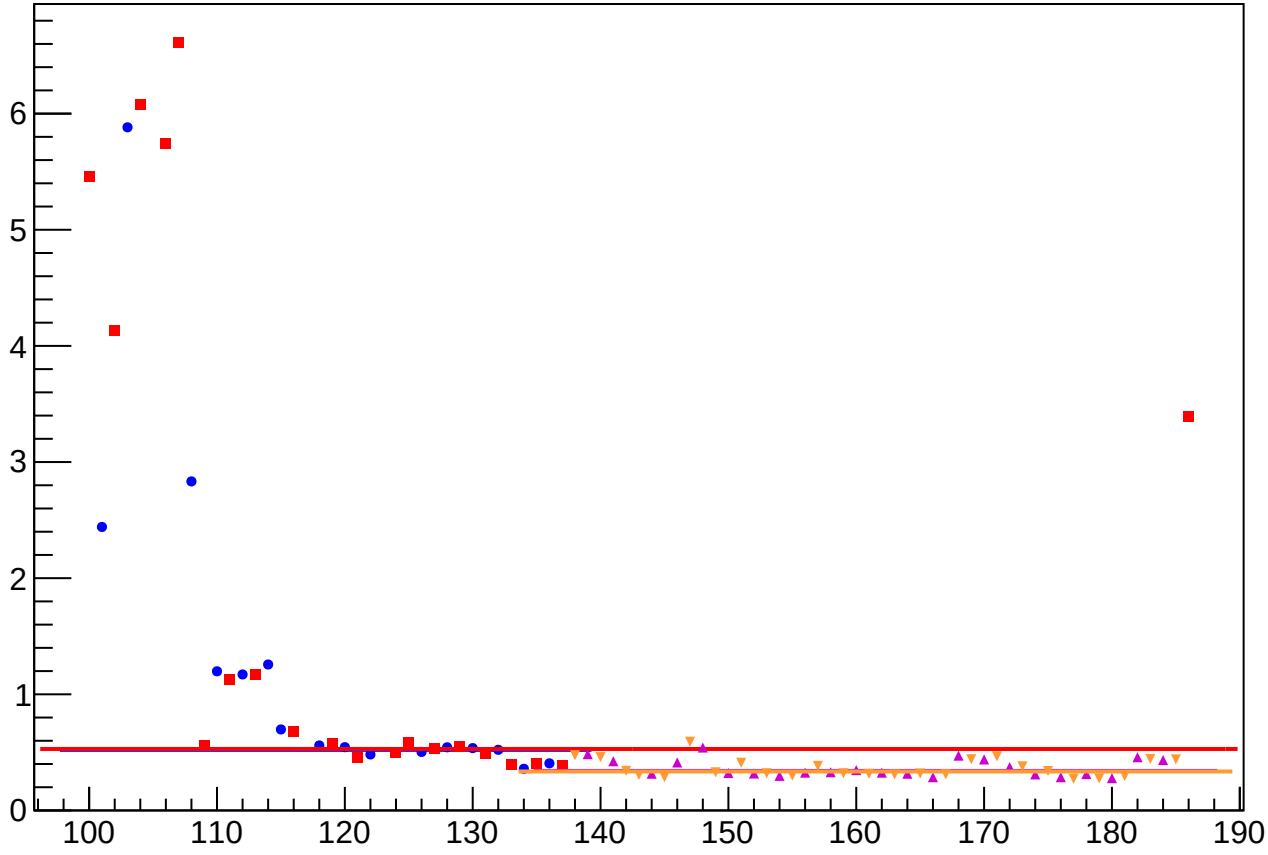
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -41.081+/-0.000 χ^2/NDF: 3510056410.9/40

All: -40.954+/-0.000 χ^2/NDF: 6107277559.1/

- sign -40.817+/-0.000 χ^2/NDF: 2591302945.4/42

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

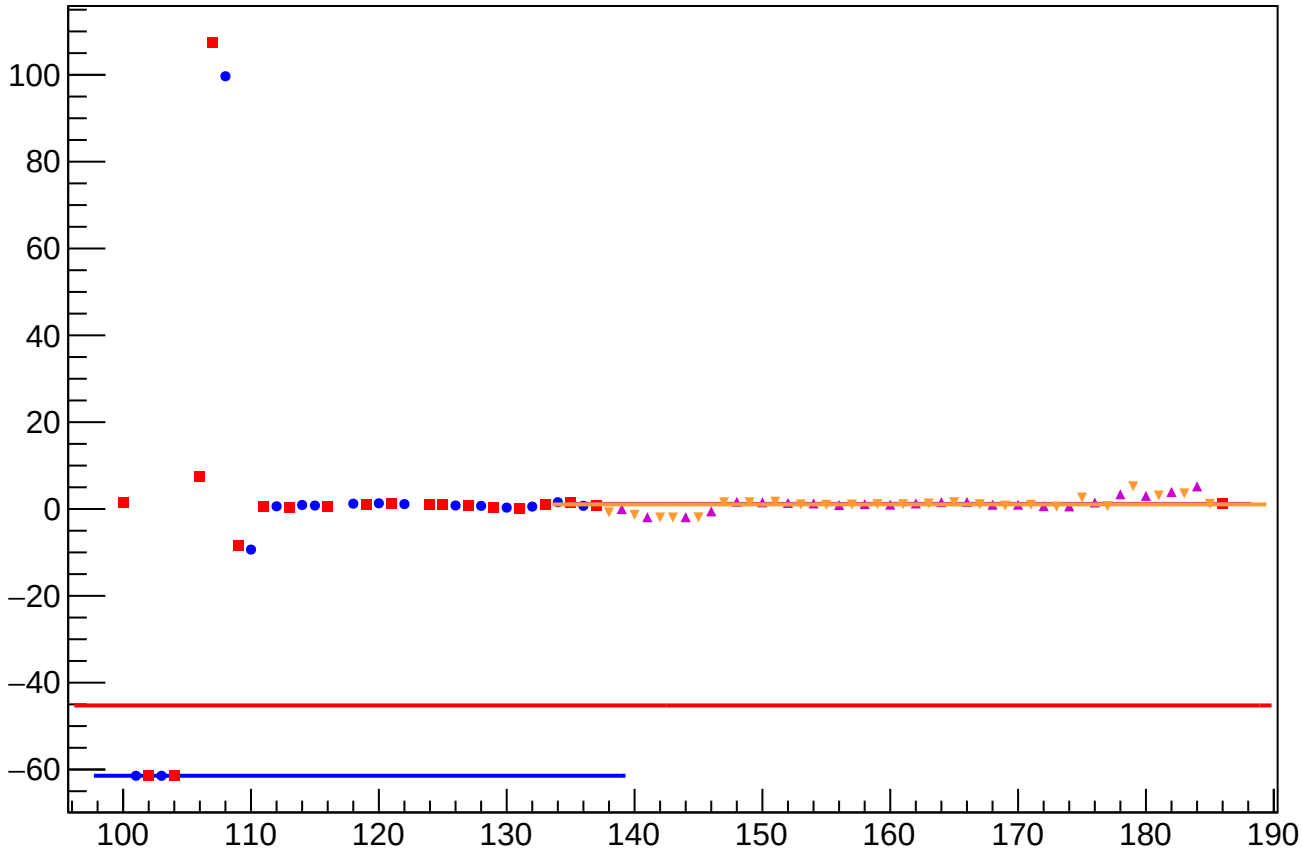
Right Out: 0.529+/-0.000 χ^2/NDF: 3811515.1/19

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.355+/-0.000 χ^2/NDF: 5334992.1/40

All: 0.358+/-0.000 χ^2/NDF: 11359341.4/83

- sign 0.361+/-0.000 χ^2/NDF: 6018568.2/42



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357871058356686.9/19

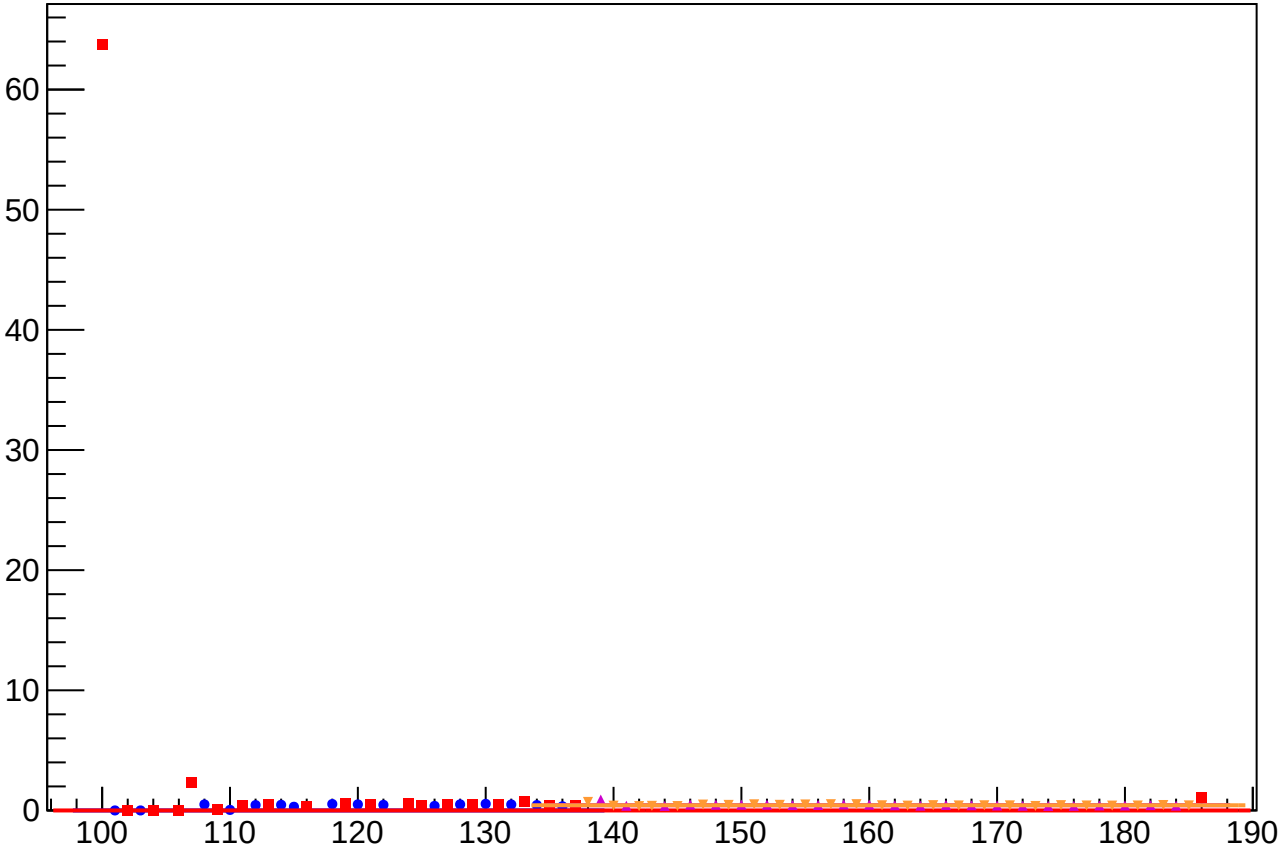
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 603504928947.1/4

All: -52.738+/-0.000 χ^2/NDF: 409592319469

- sign -45.236+/-0.000 χ^2/NDF: 358037625009576.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10106296.0/19

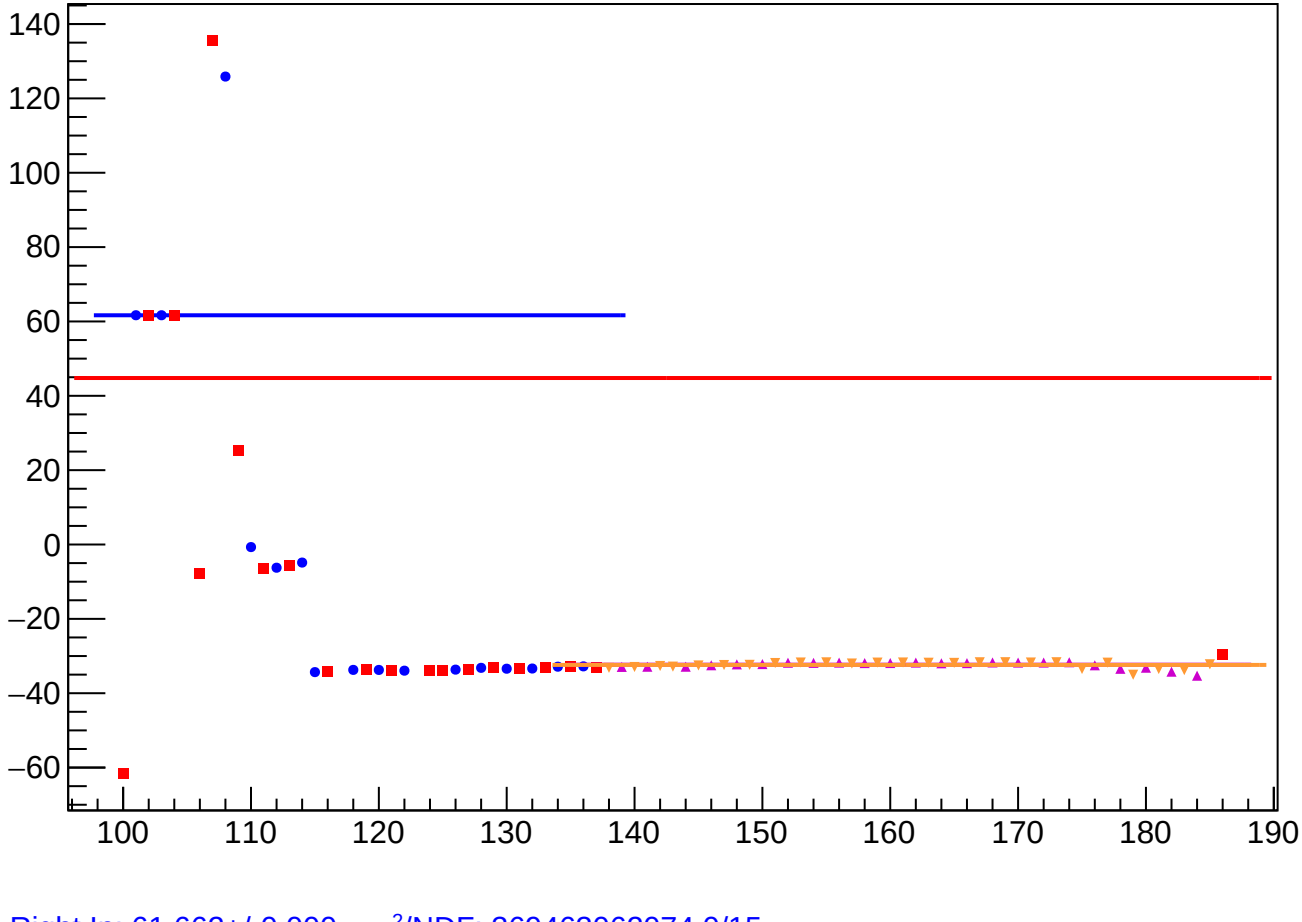
Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 40921941.1/40

All: 0.002+/-0.000 χ^2/NDF: 81171637.4/83

- sign 0.002+/-0.000 χ^2/NDF: 40249518.6/42

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.786+/-0.000 χ^2/NDF: 366095027808749.8/19

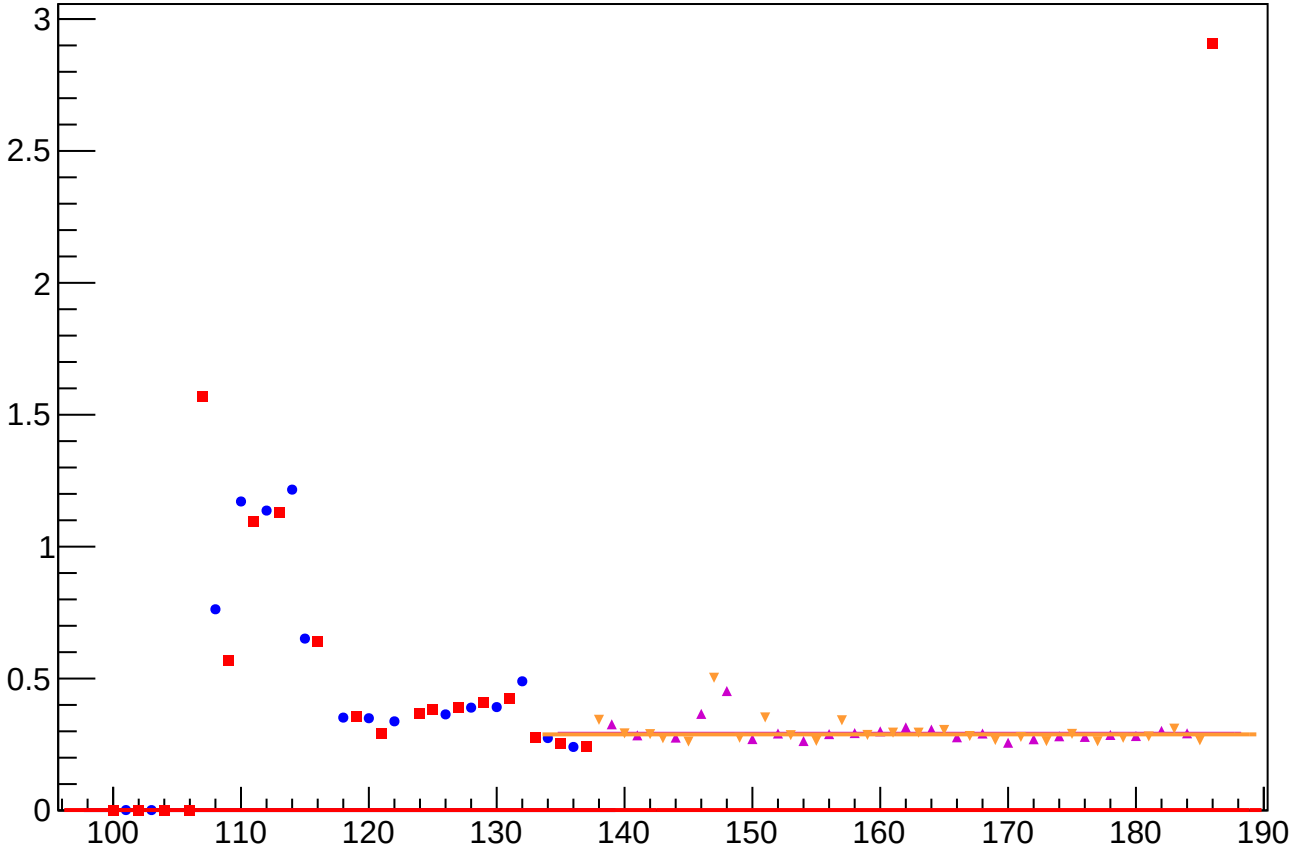
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.600+/-0.000 χ^2/NDF: 2327596277688.5/4

All: 52.638+/-0.000 χ^2/NDF: 420663098707

- sign 44.744+/-0.000 χ^2/NDF: 367322843858526.6

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11323228.6/19

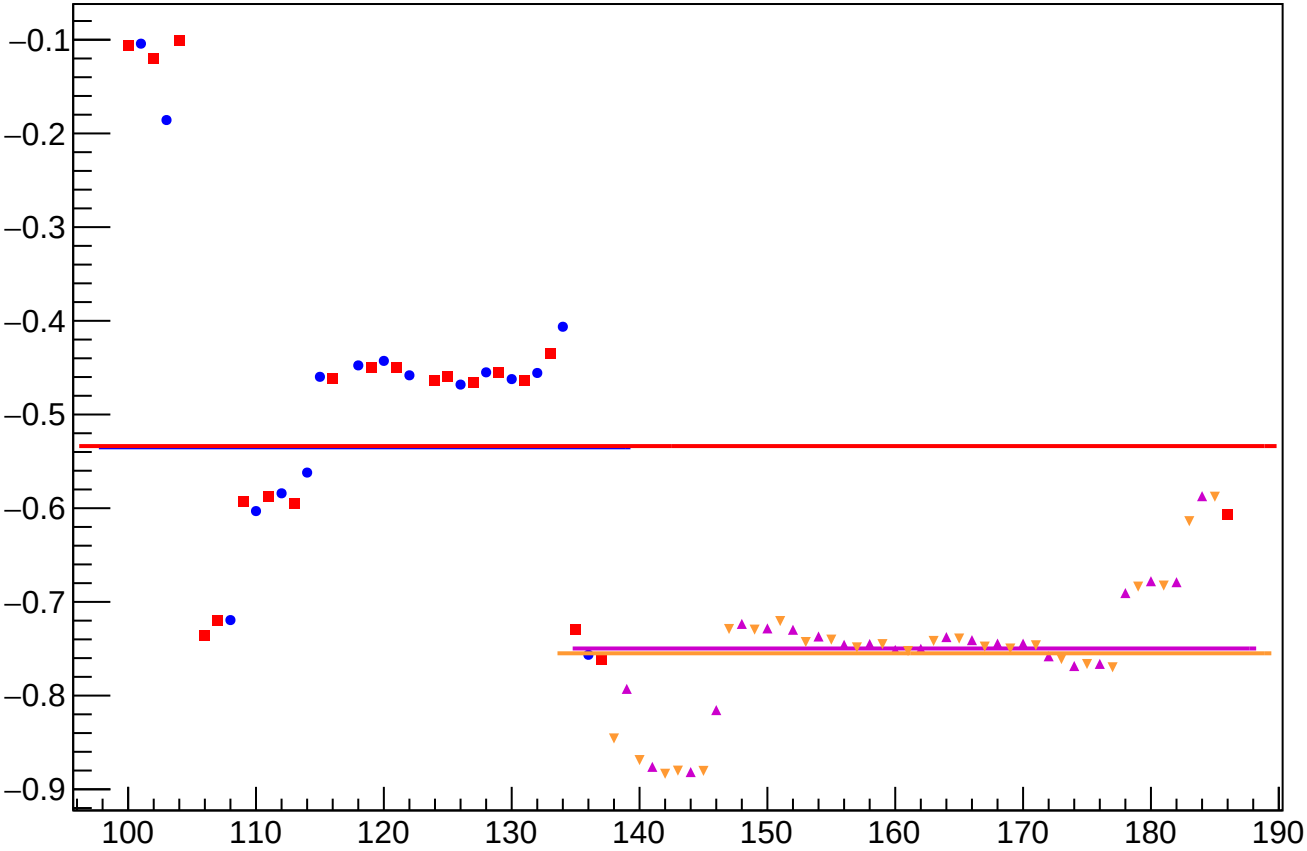
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 47987920.8/40

All: 0.002+/-0.000 χ^2/NDF: 94219512.1/83

- 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: 300846309.5/15

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.534+/-0.000 χ^2/NDF: 215125438.6/19

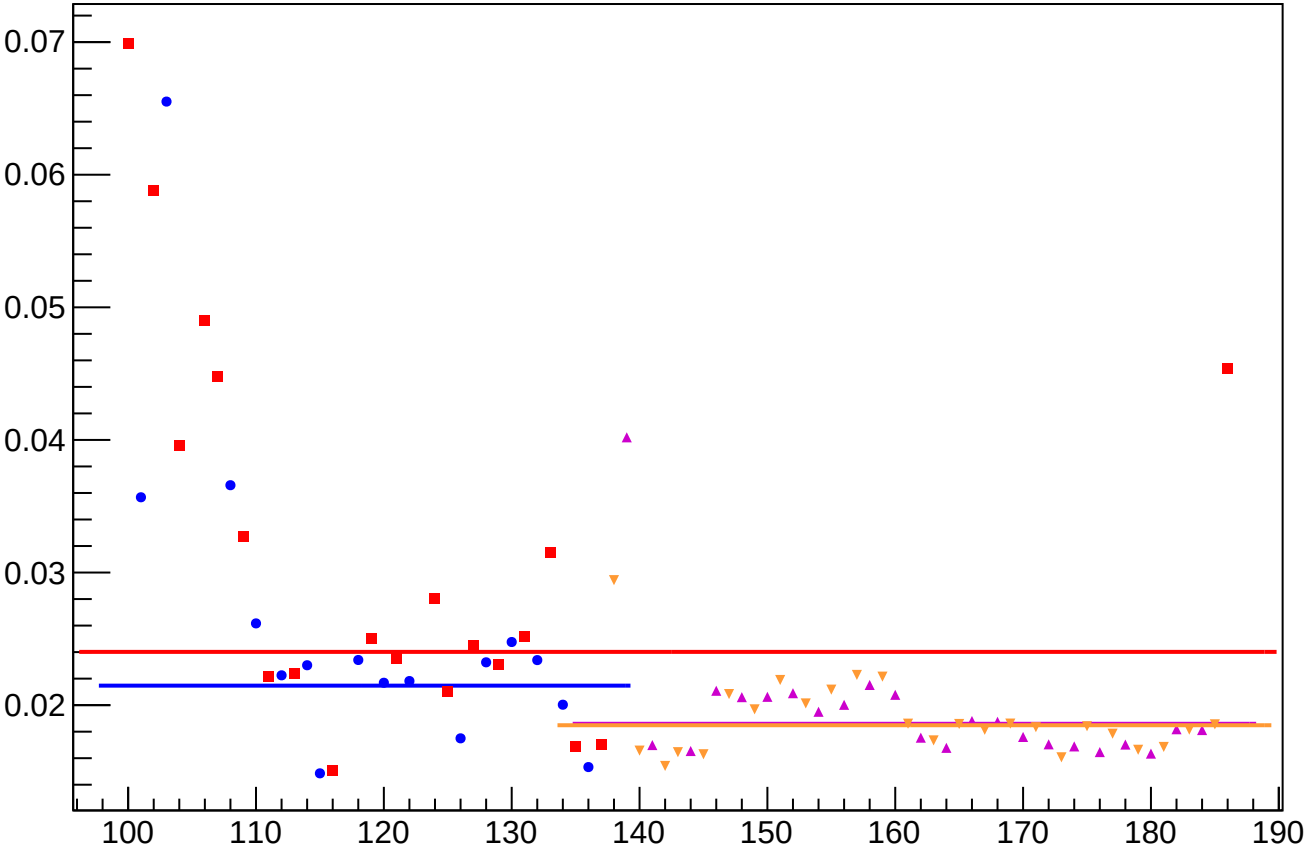
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.710+/-0.000 χ^2/NDF: 961620724.5/40

All: -0.709+/-0.000 χ^2/NDF: 1700902151.5/8

- sign -0.708+/-0.000 χ^2/NDF: 739131517.9/42

yield_bpm4aX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.024+/-0.000 χ^2/NDF: 1448108.0/19

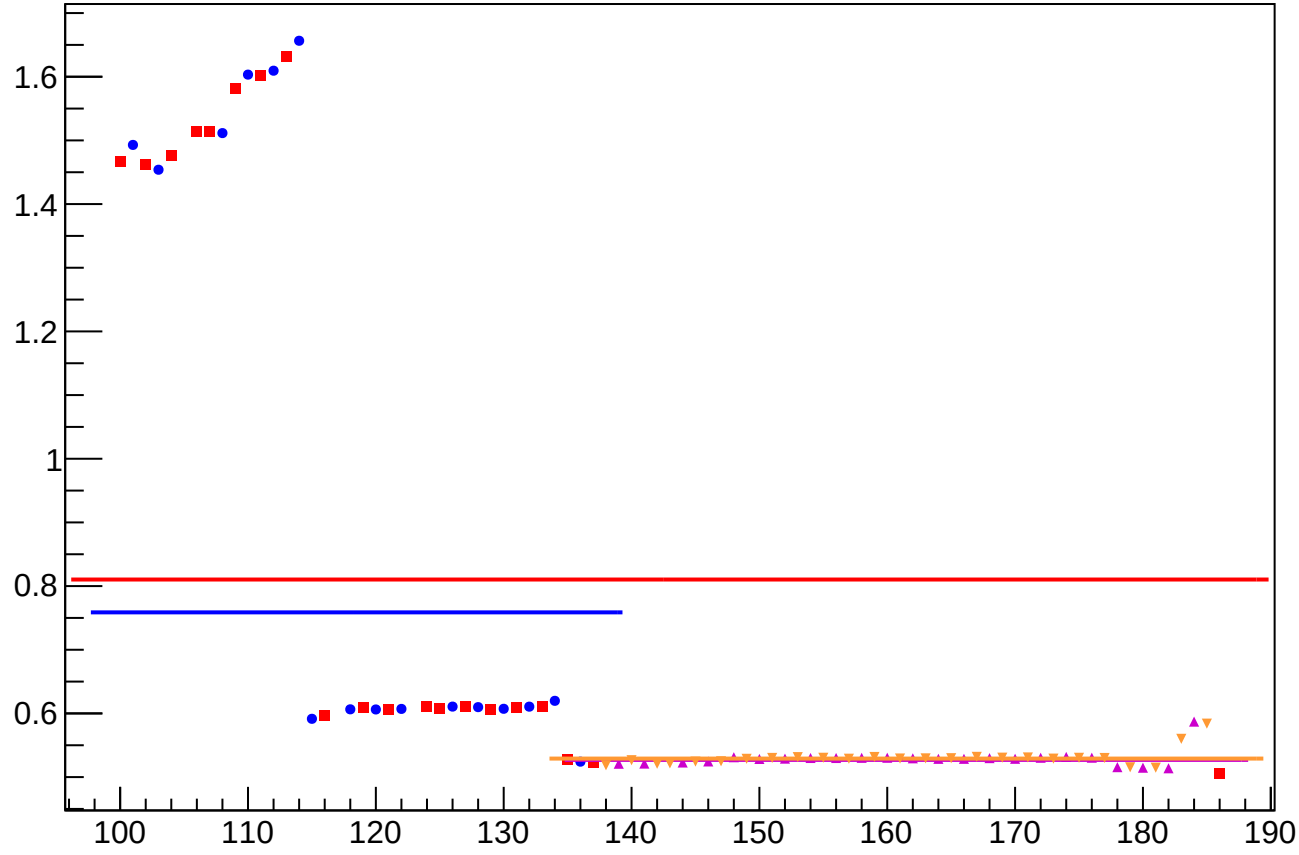
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 1810966.9/40

All: 0.019+/-0.000 χ^2/NDF: 4497857.7/83

- sign 0.020+/-0.000 χ^2/NDF: 2670157.9/42

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.810+/-0.000 χ^2/NDF: 4770809767.9/19

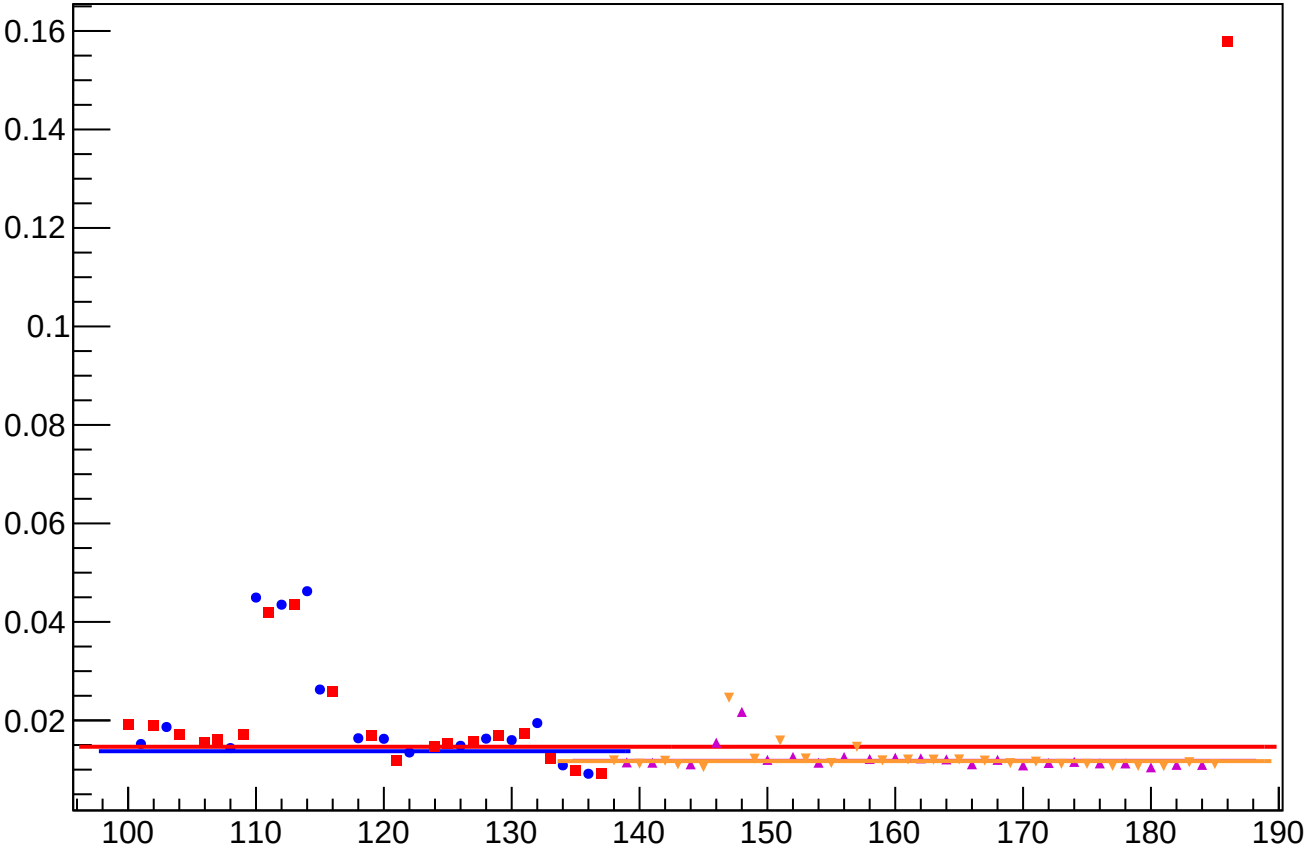
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.573+/-0.000 χ^2/NDF: 5667433998.0/40

All: 0.576+/-0.000 χ^2/NDF: 12370231213.8/8

- 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: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2085339.5/19

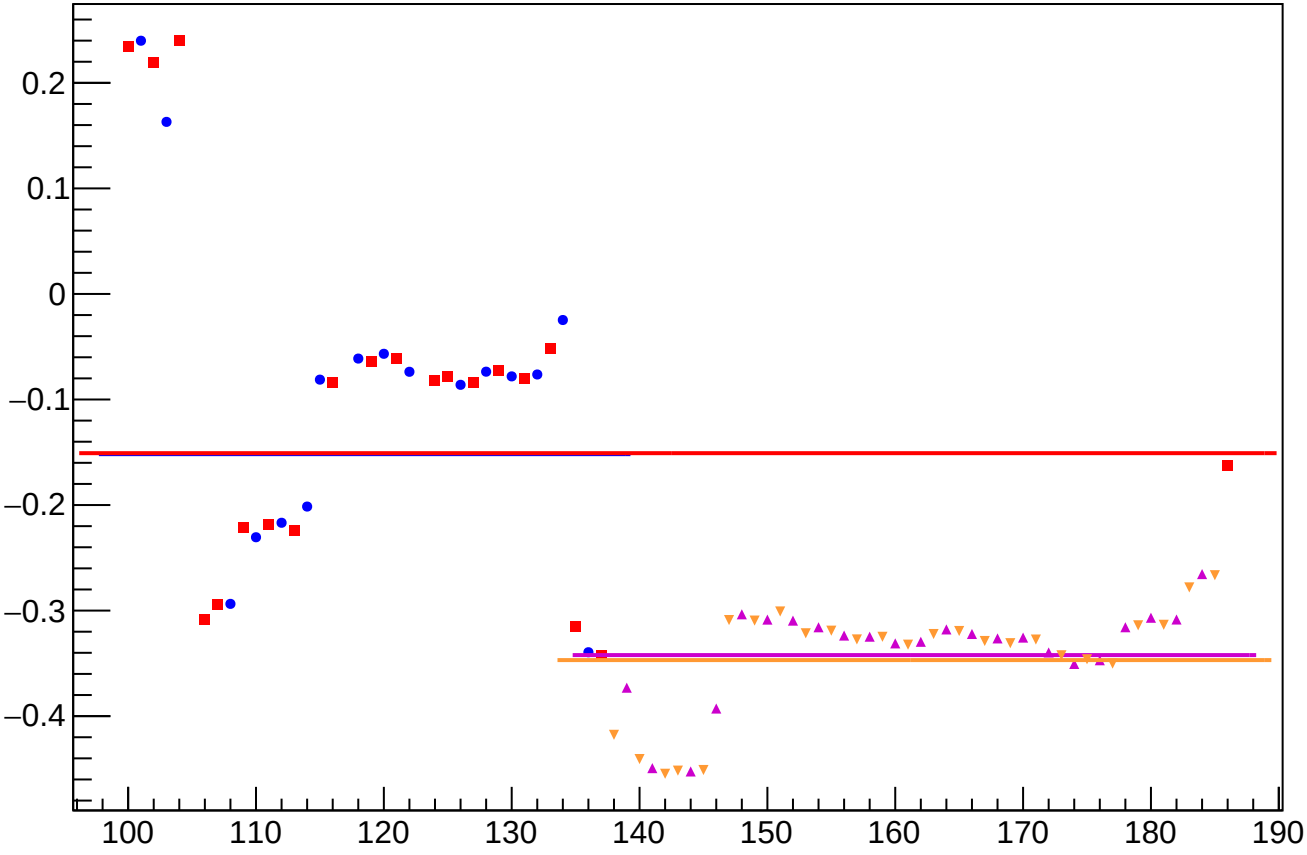
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 2555504.4/40

All: 0.012+/-0.000 χ^2/NDF: 5557312.5/83

- 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: 276791709.3/15

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF: 199435798.2/19

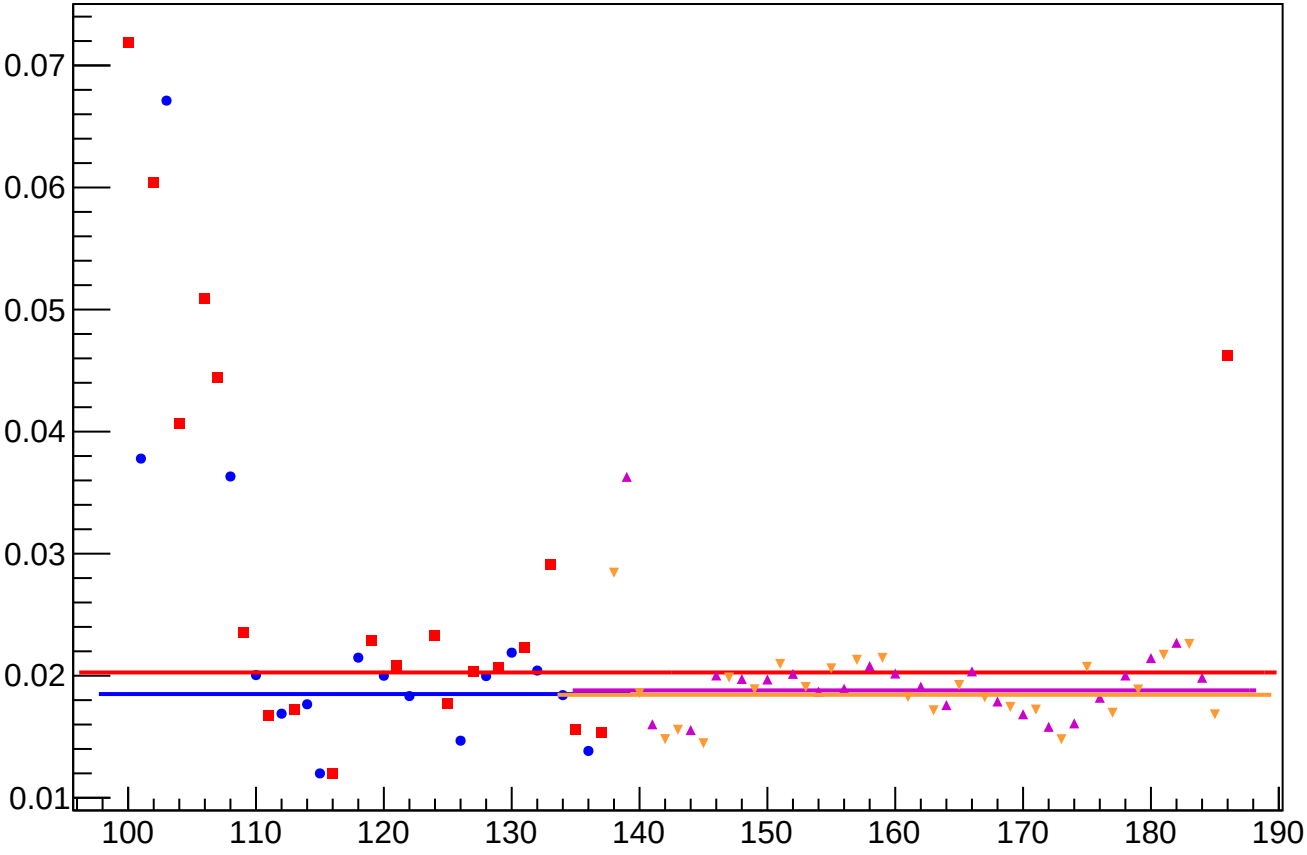
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.298+/-0.000 χ^2/NDF: 843763920.6/40

All: -0.297+/-0.000 χ^2/NDF: 1514799874.7/8

- sign -0.295+/-0.000 χ^2/NDF: 670686487.6/42

yield_bpm4eX_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.020+/-0.000 χ^2/NDF: 1790286.9/19

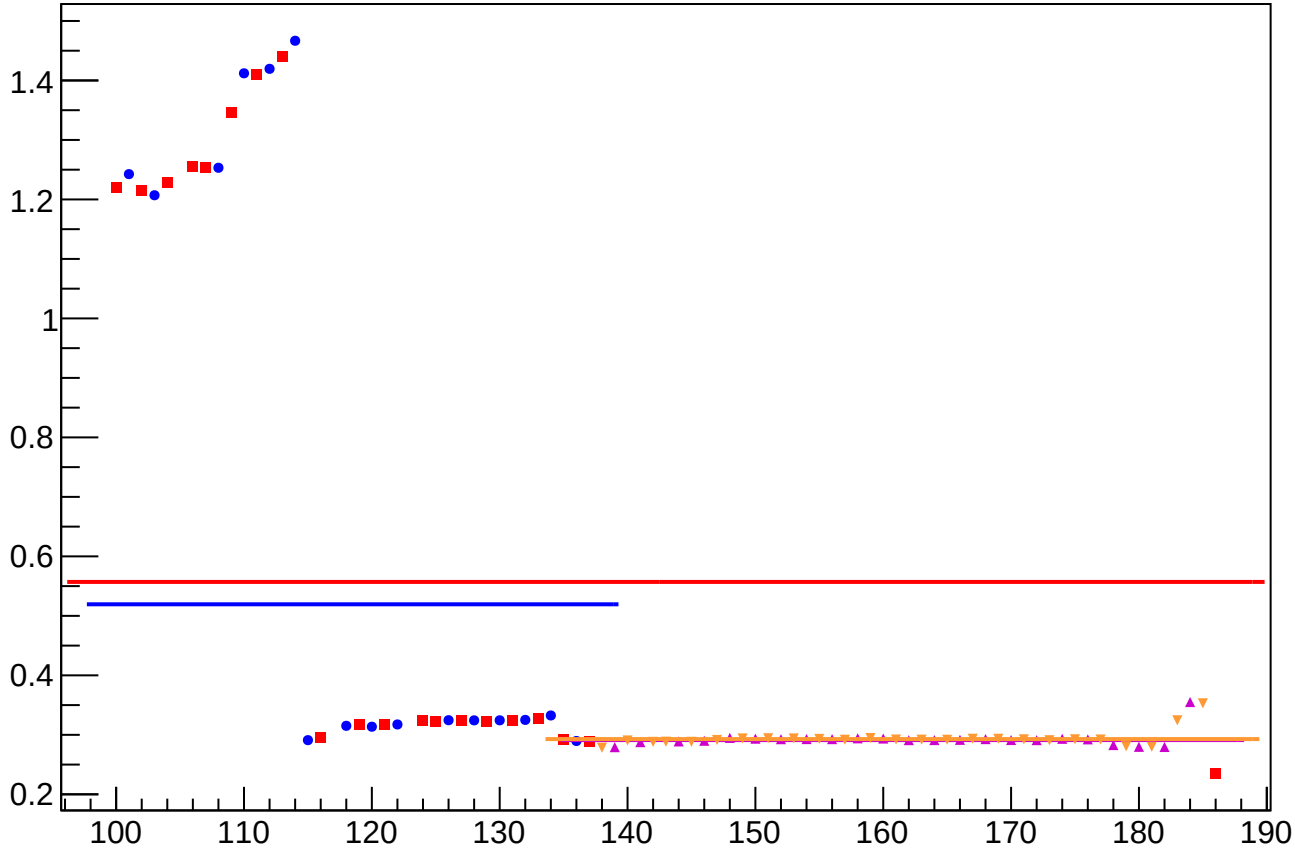
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.018+/-0.000 χ^2/NDF: 2012478.8/40

All: 0.019+/-0.000 χ^2/NDF: 4596355.5/83

- sign 0.019+/-0.000 χ^2/NDF: 2554186.1/42

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.557+/-0.000 χ^2/NDF: 6749631271.9/19

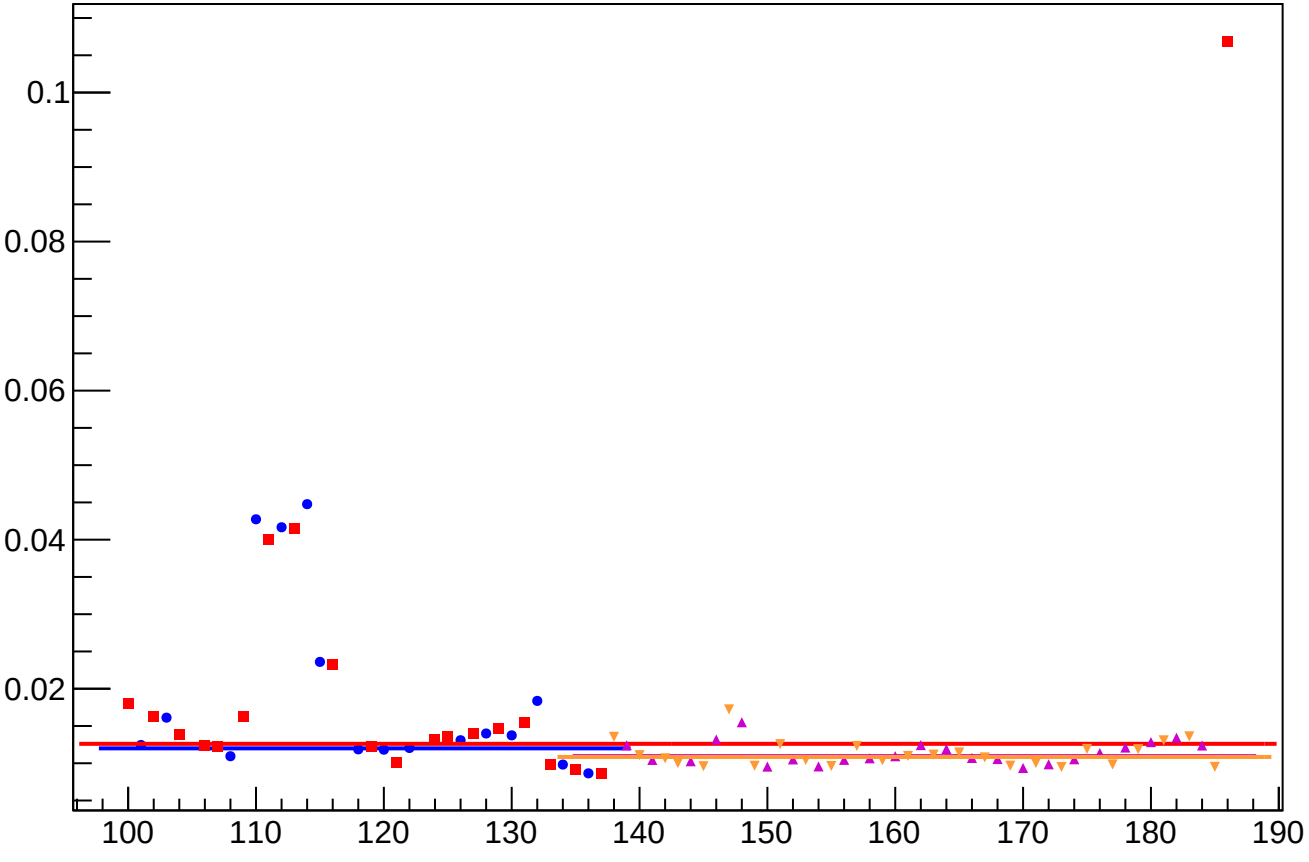
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.340+/-0.000 χ^2/NDF: 8016034515.5/40

All: 0.344+/-0.000 χ^2/NDF: 16955451131.0/8

- 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: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2030006.2/19

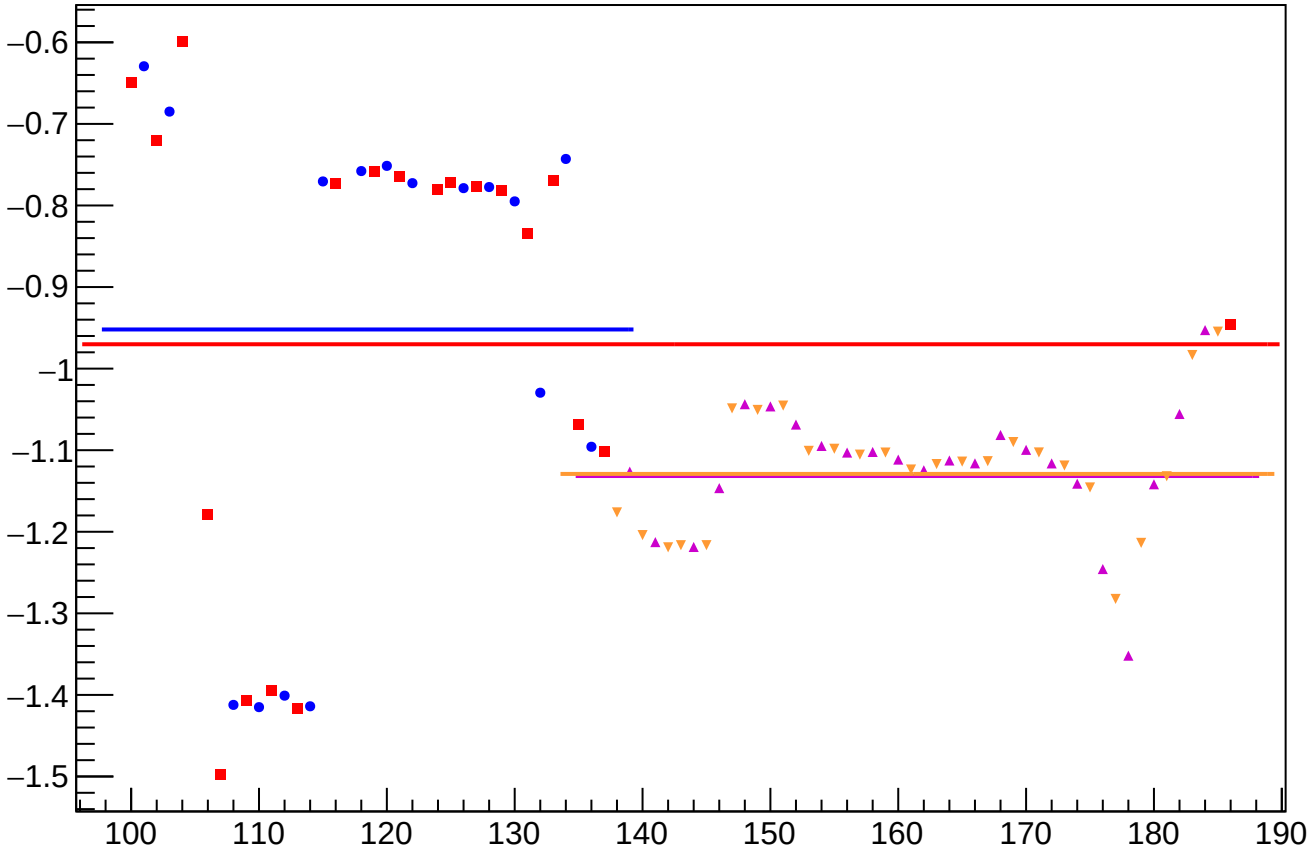
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2233056.9/40

All: 0.011+/-0.000 χ^2/NDF: 4952023.0/83

- 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: 699468857.6/15

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.970+/-0.000 χ^2/NDF: 714620391.8/19

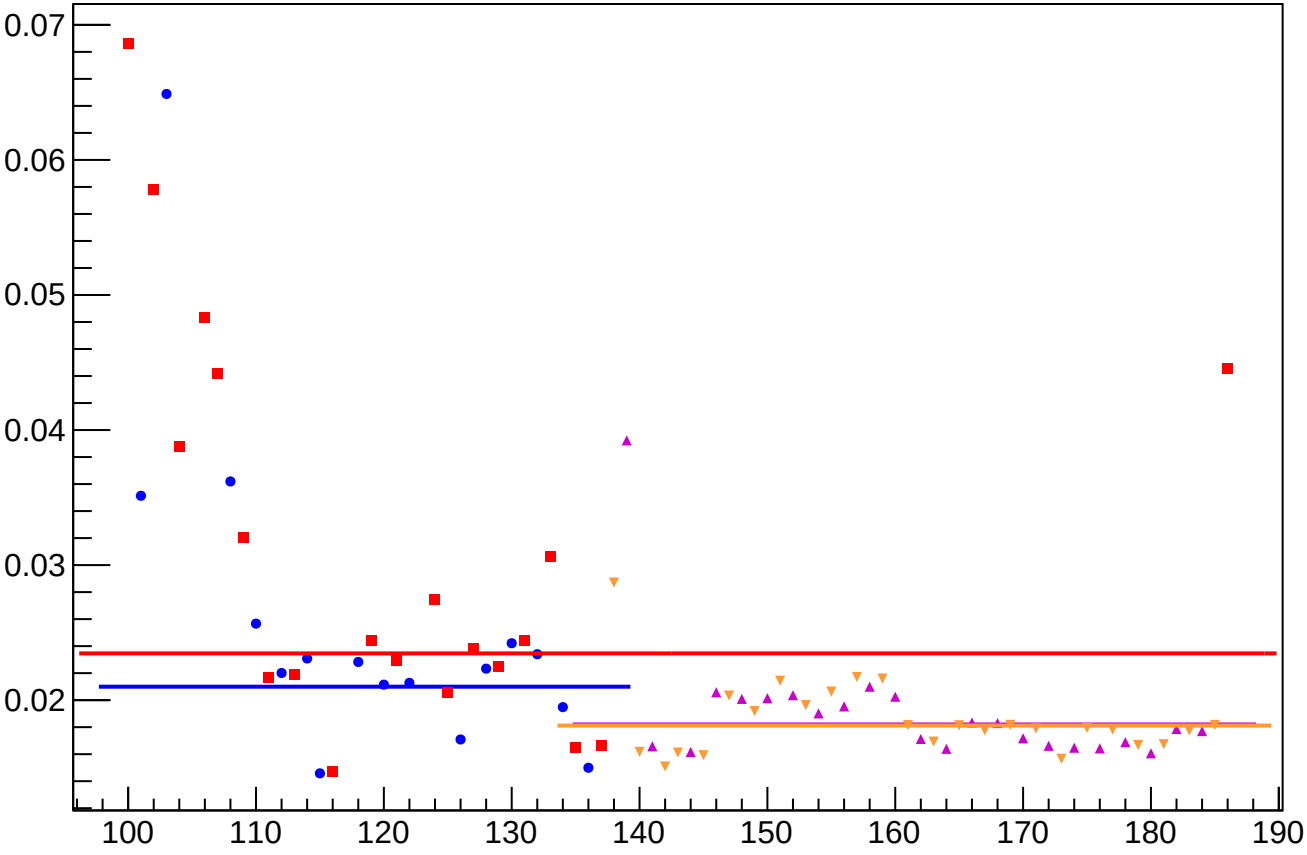
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.093+/-0.000 χ^2/NDF: 1240933790.5/40

All: -1.097+/-0.000 χ^2/NDF: 2440862533.4/8

- 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: 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

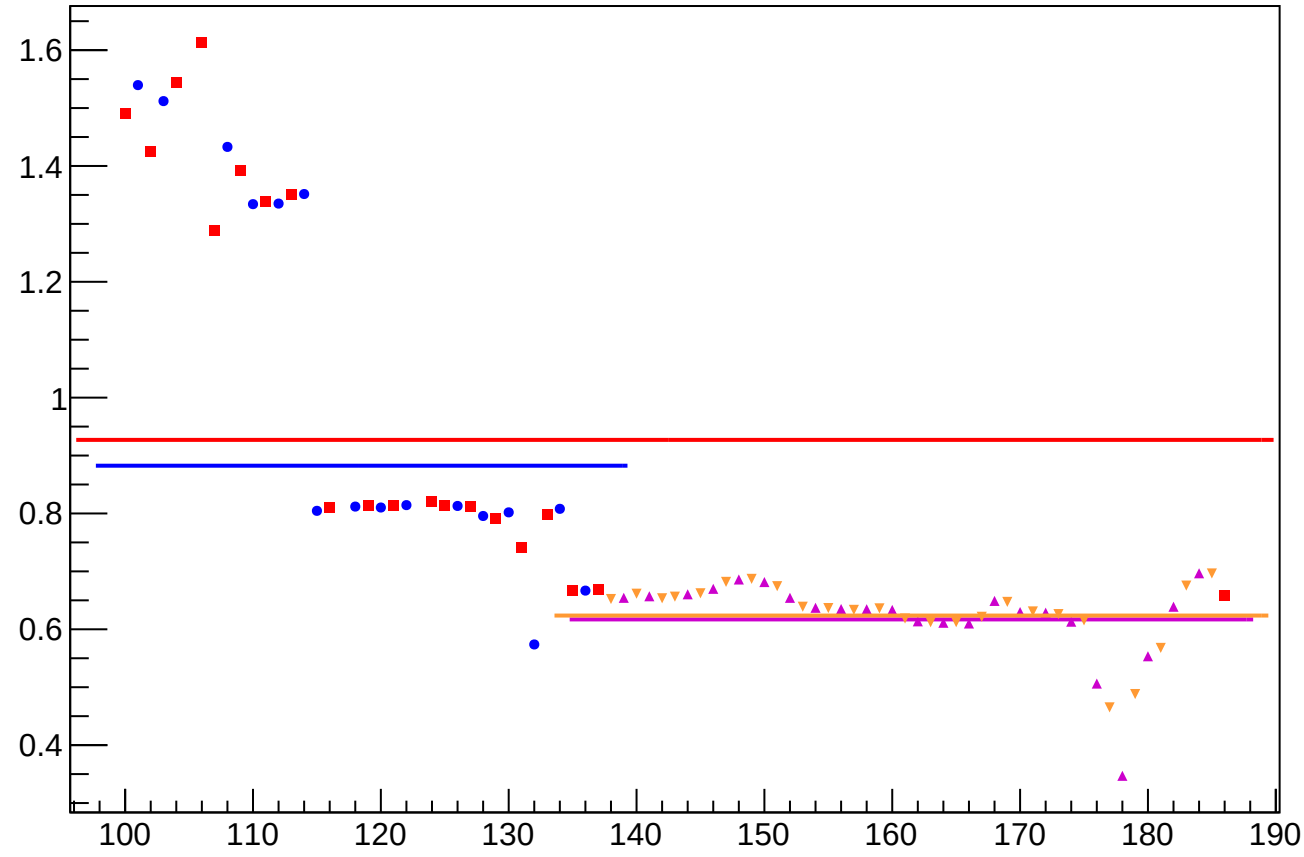
Right Out: 0.023+/-0.000 χ^2/NDF: 1453819.2/19

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 1801138.2/40

All: 0.019+/-0.000 χ^2/NDF: 4468782.7/83

- sign 0.019+/-0.000 χ^2/NDF: 2652593.2/42



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.927+/-0.000 χ^2/NDF: 2764126627.2/19

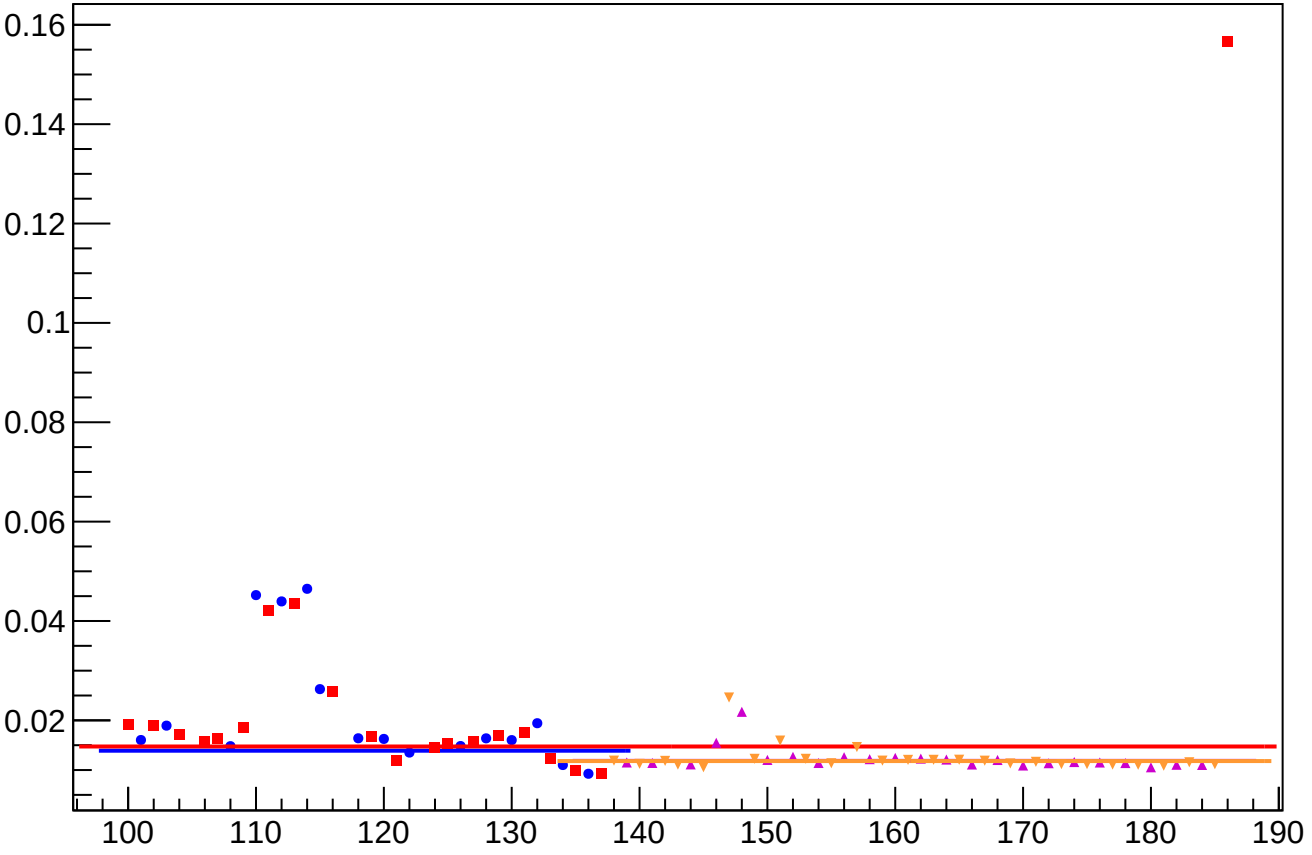
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.672+/-0.000 χ^2/NDF: 4854236728.2/40

All: 0.674+/-0.000 χ^2/NDF: 10519848991.7/8

- 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: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

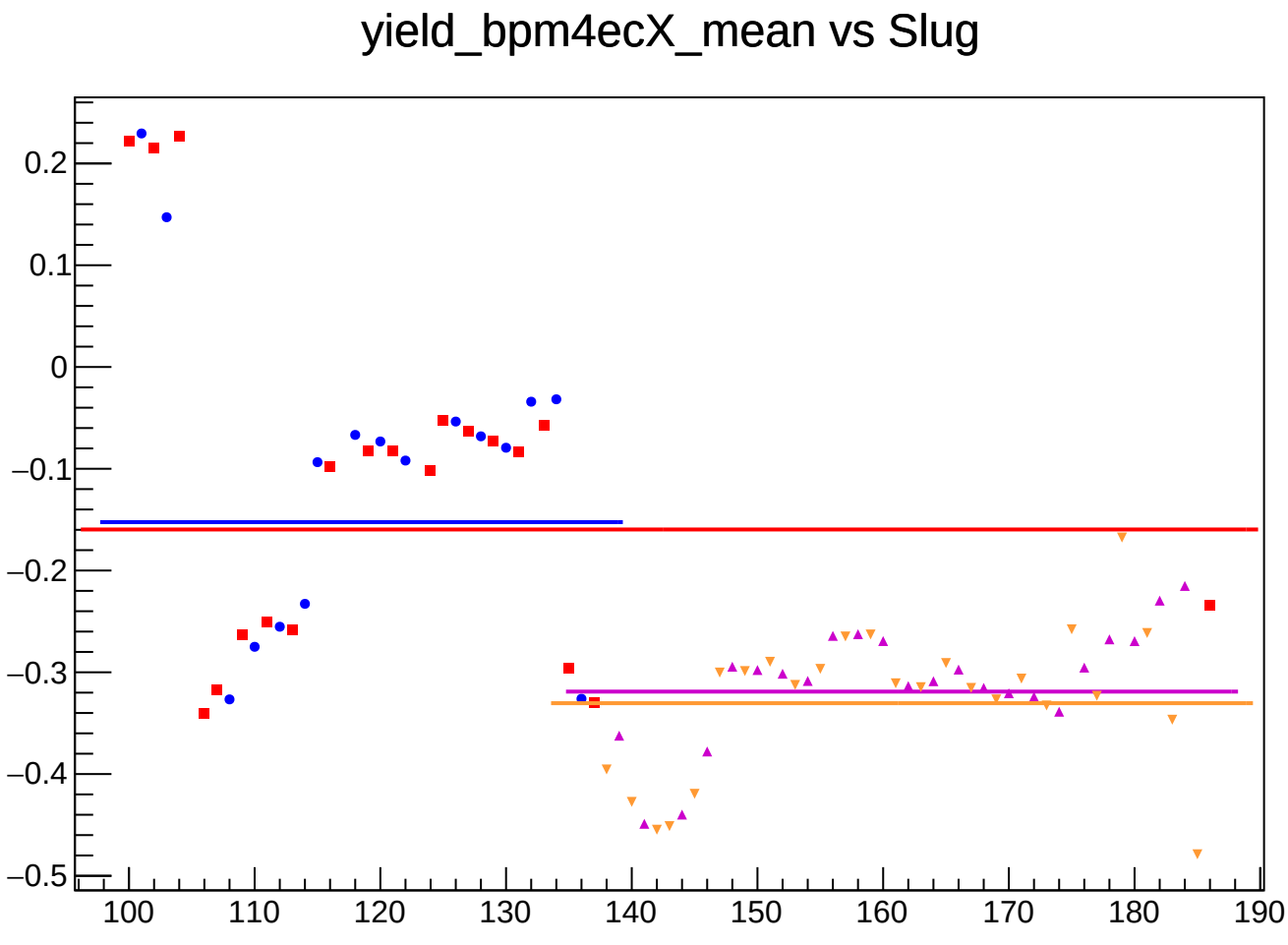
Right Out: 0.015+/-0.000 χ^2/NDF: 2095371.1/19

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 2537250.9/40

All: 0.012+/-0.000 χ^2/NDF: 5540305.8/83

- sign 0.012+/-0.000 χ^2/NDF: 2997401.0/42



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.160+/-0.000 χ^2/NDF: 196578789.1/19

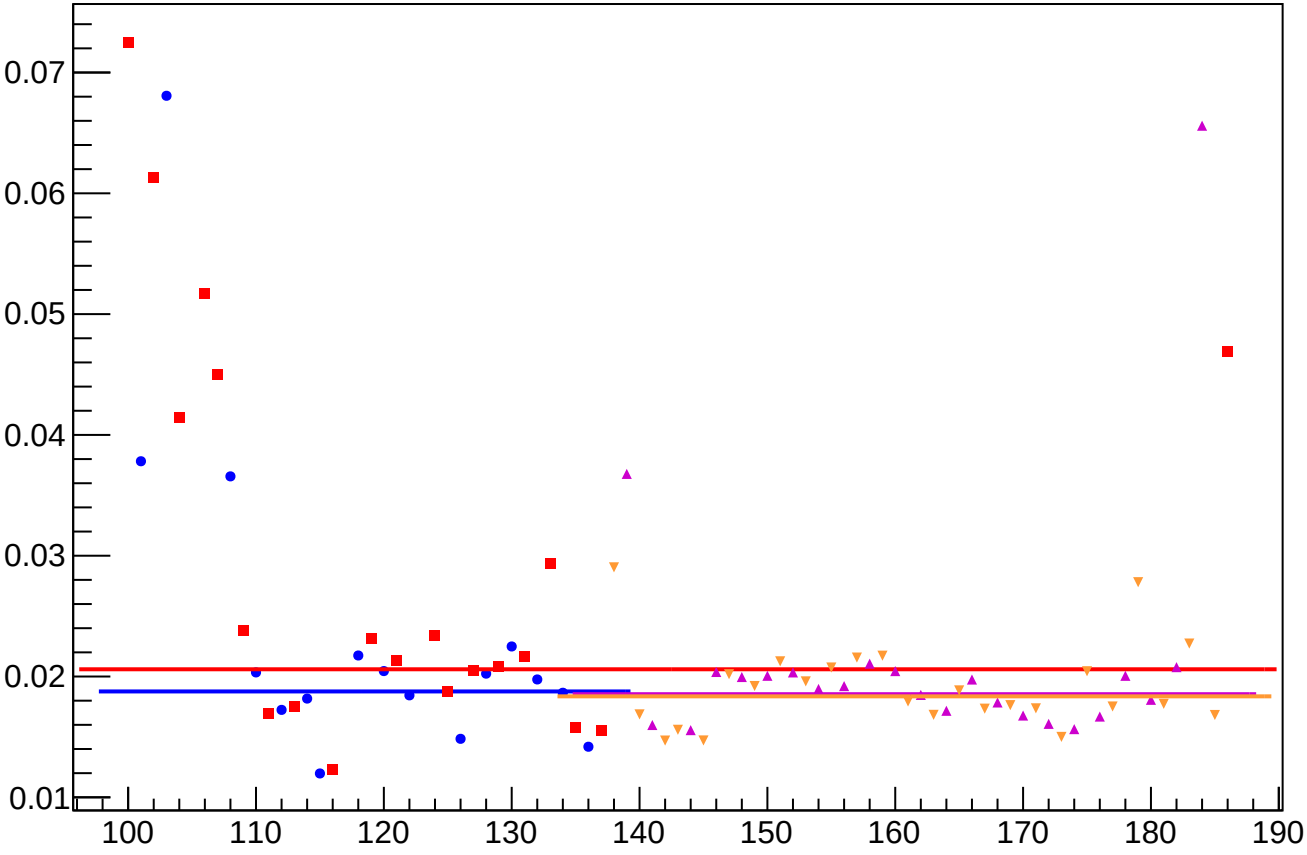
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.286+/-0.000 χ^2/NDF: 814362665.5/40

All: -0.284+/-0.000 χ^2/NDF: 1401436547.4/8

- 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: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.021+/-0.000 χ^2/NDF: 1771550.8/19

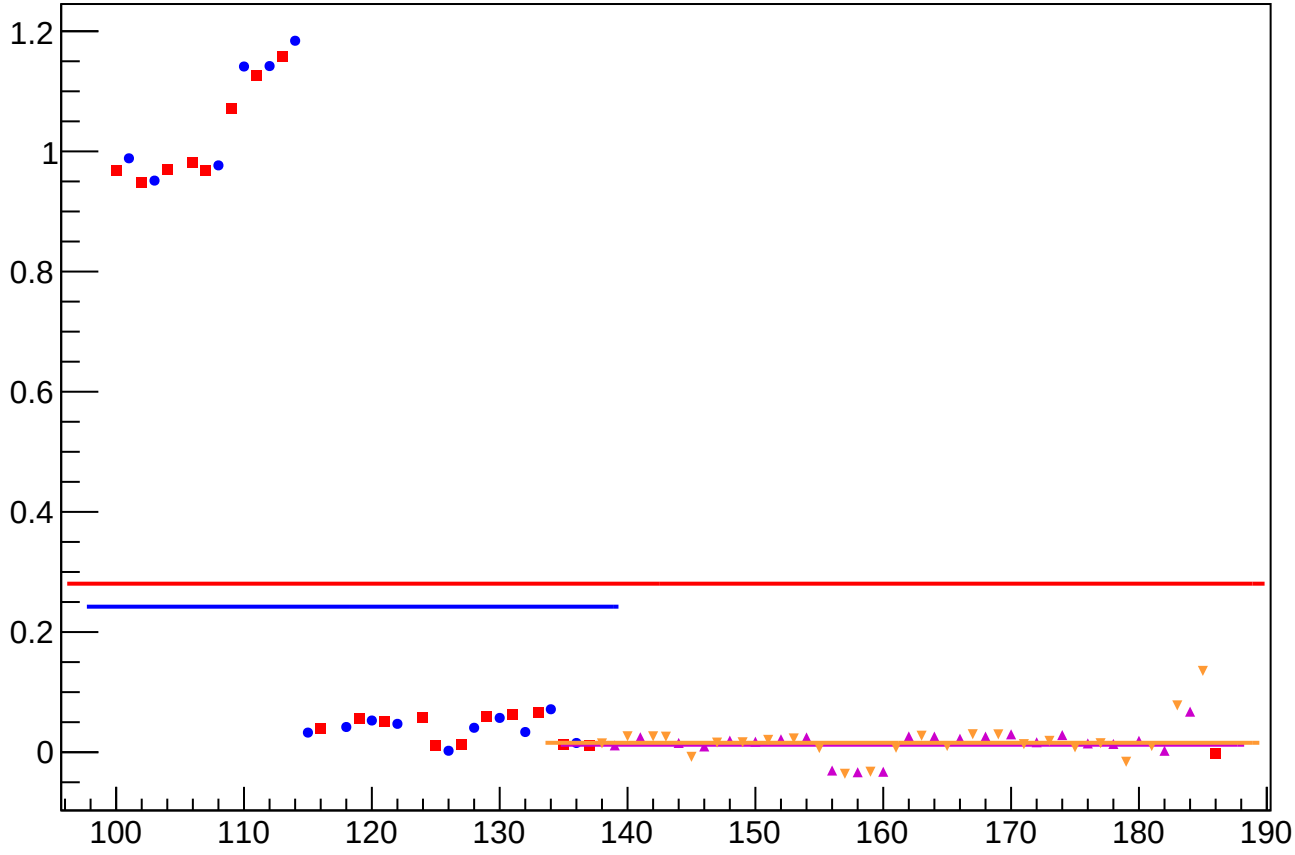
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 2090639.2/40

All: 0.019+/-0.000 χ^2/NDF: 4901968.9/83

- sign 0.019+/-0.000 χ^2/NDF: 2792175.4/42

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.281+/-0.000 χ^2/NDF: 6760453129.7/19

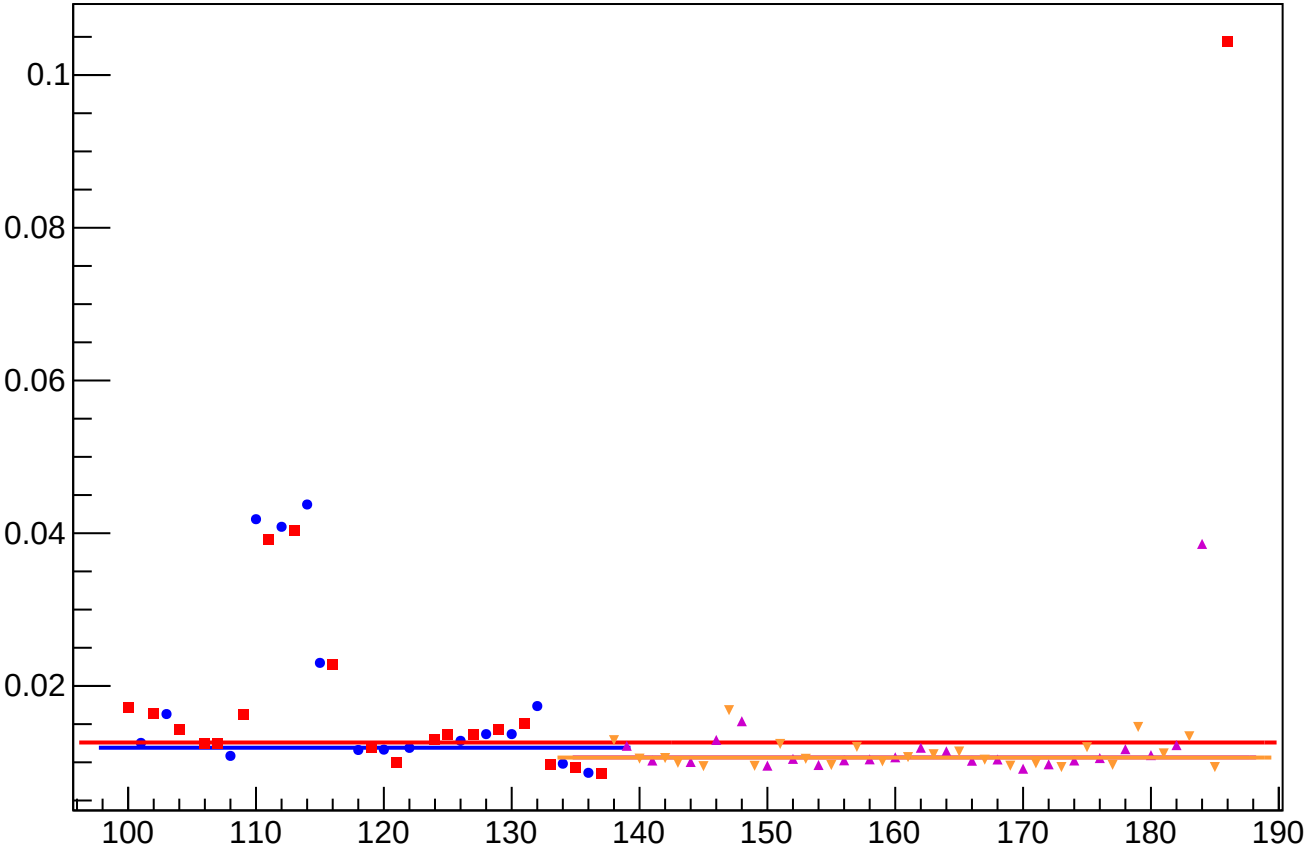
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.063+/-0.000 χ^2/NDF: 8318293080.3/40

All: 0.066+/-0.000 χ^2/NDF: 17373139102.3/8

- 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: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

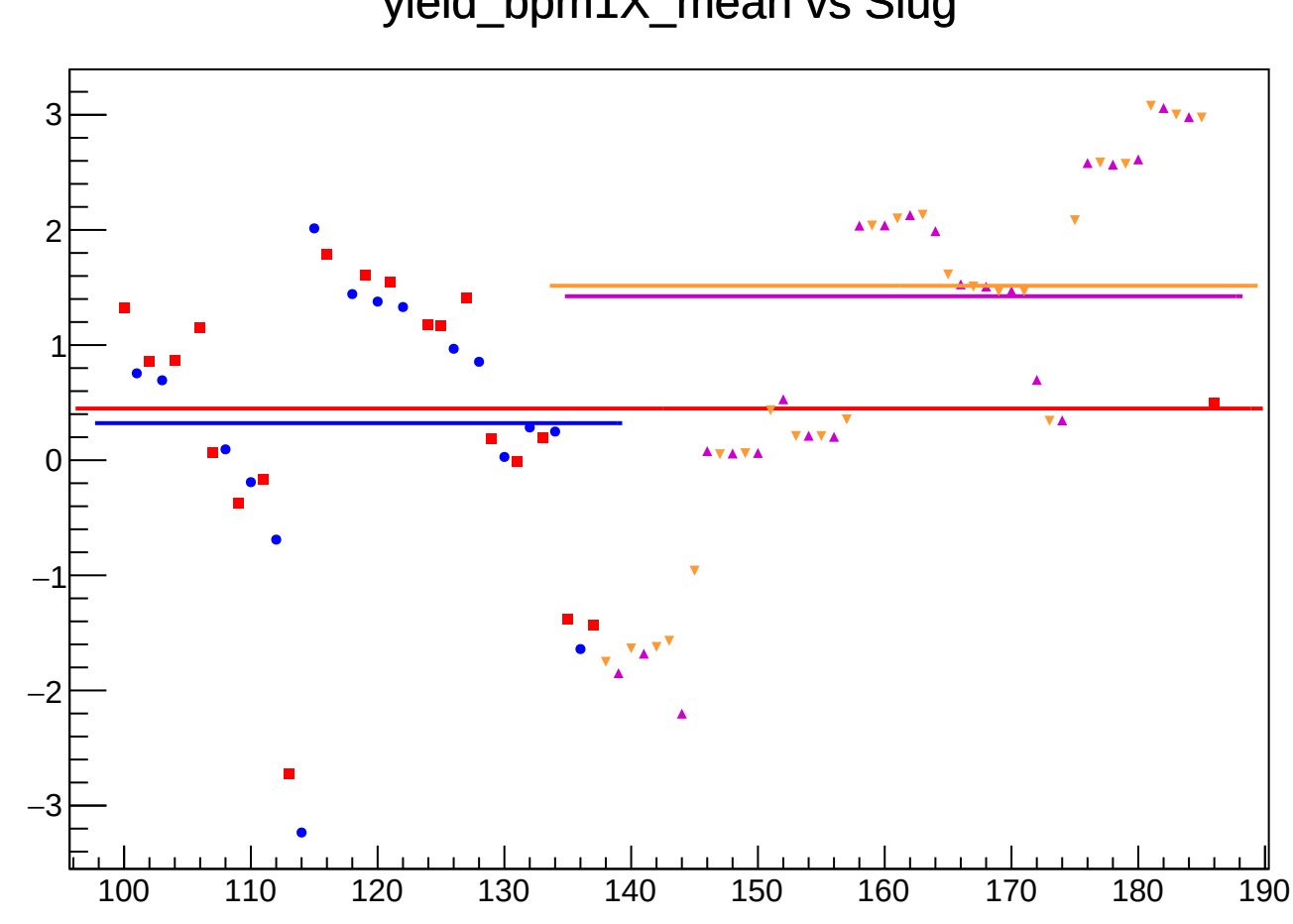
Right Out: 0.013+/-0.000 χ^2/NDF: 1984574.6/19

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 2191873.2/40

All: 0.011+/-0.000 χ^2/NDF: 4990026.3/83

- sign 0.011+/-0.000 χ^2/NDF: 2793586.2/42



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: 0.449+/-0.000 χ^2/NDF: 1797410686.4/19

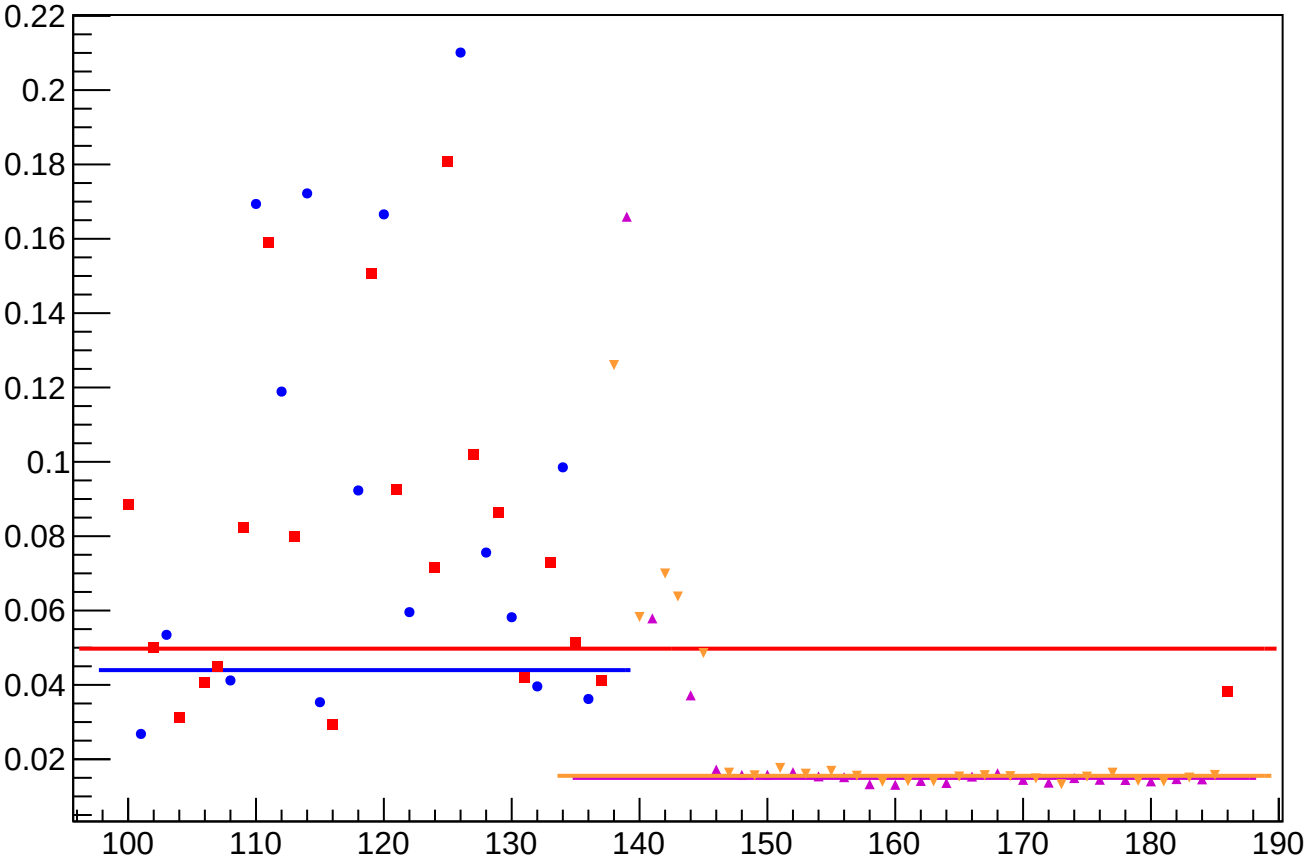
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.477+/-0.000 χ^2/NDF: 72190487462.7/40

All: 1.436+/-0.000 χ^2/NDF: 143998971005.4

- 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: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

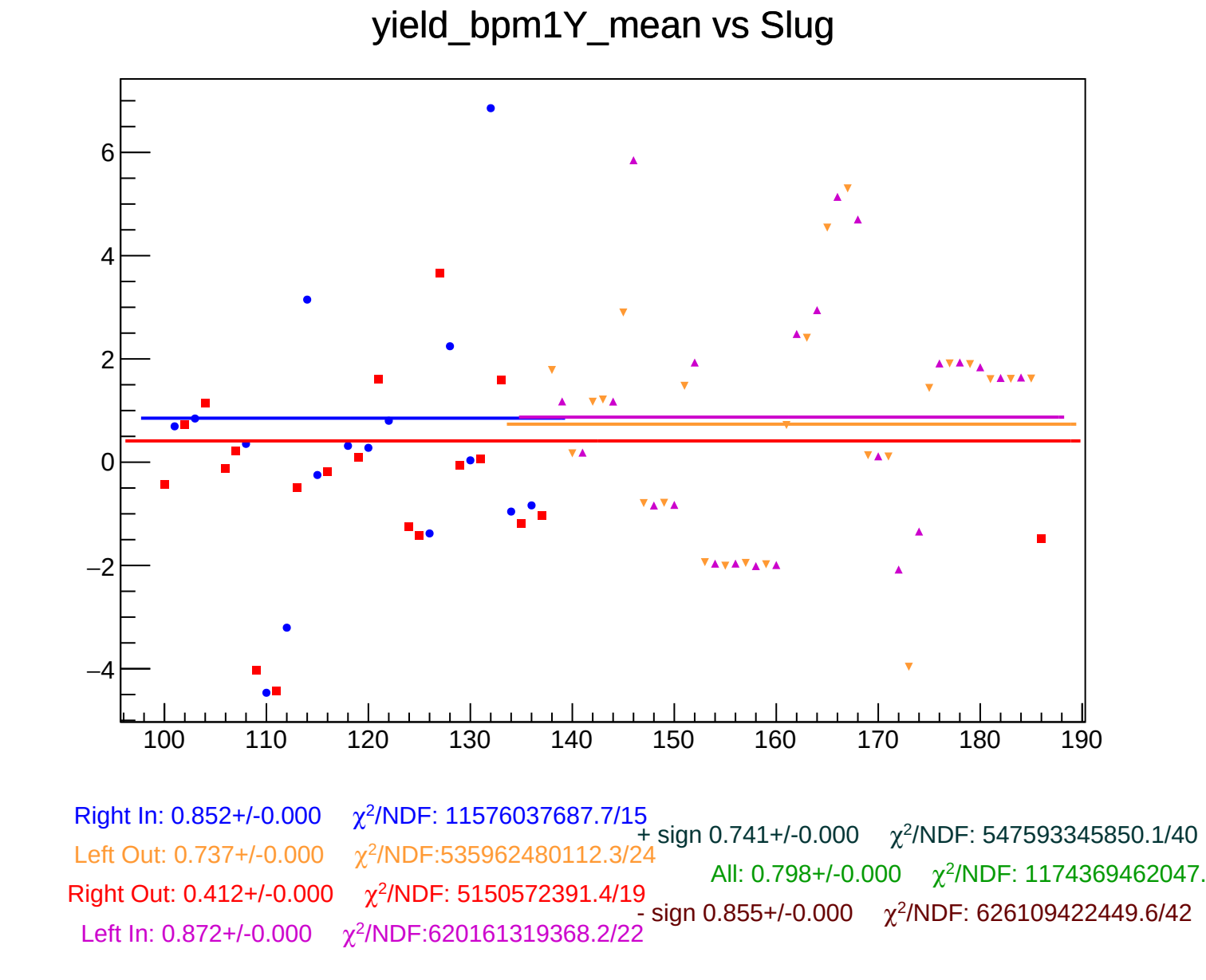
Right Out: 0.050+/-0.000 χ^2/NDF: 2444189.3/19

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

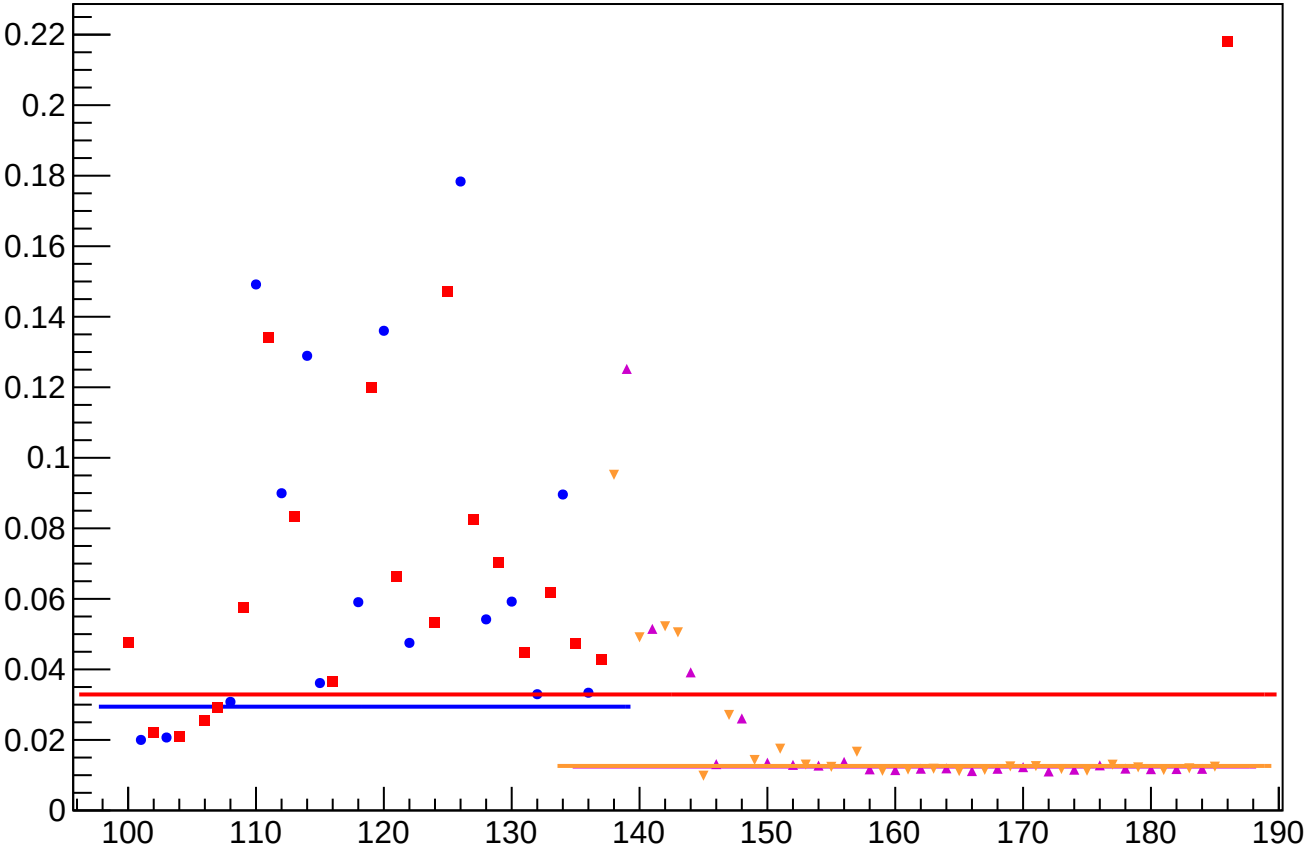
+ sign 0.016+/-0.000 χ^2/NDF: 8877391.9/40

All: 0.016+/-0.000 χ^2/NDF: 17968122.1/83

- 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: 0.852+/-0.000 χ²/NDF: 11576037687.7/15
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: 547593345850.1/40
All: 0.798+/-0.000 χ²/NDF: 1174369462047.
- sign 0.855+/-0.000 χ²/NDF: 626109422449.6/42

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.033+/-0.000 χ^2/NDF: 3860361.2/19

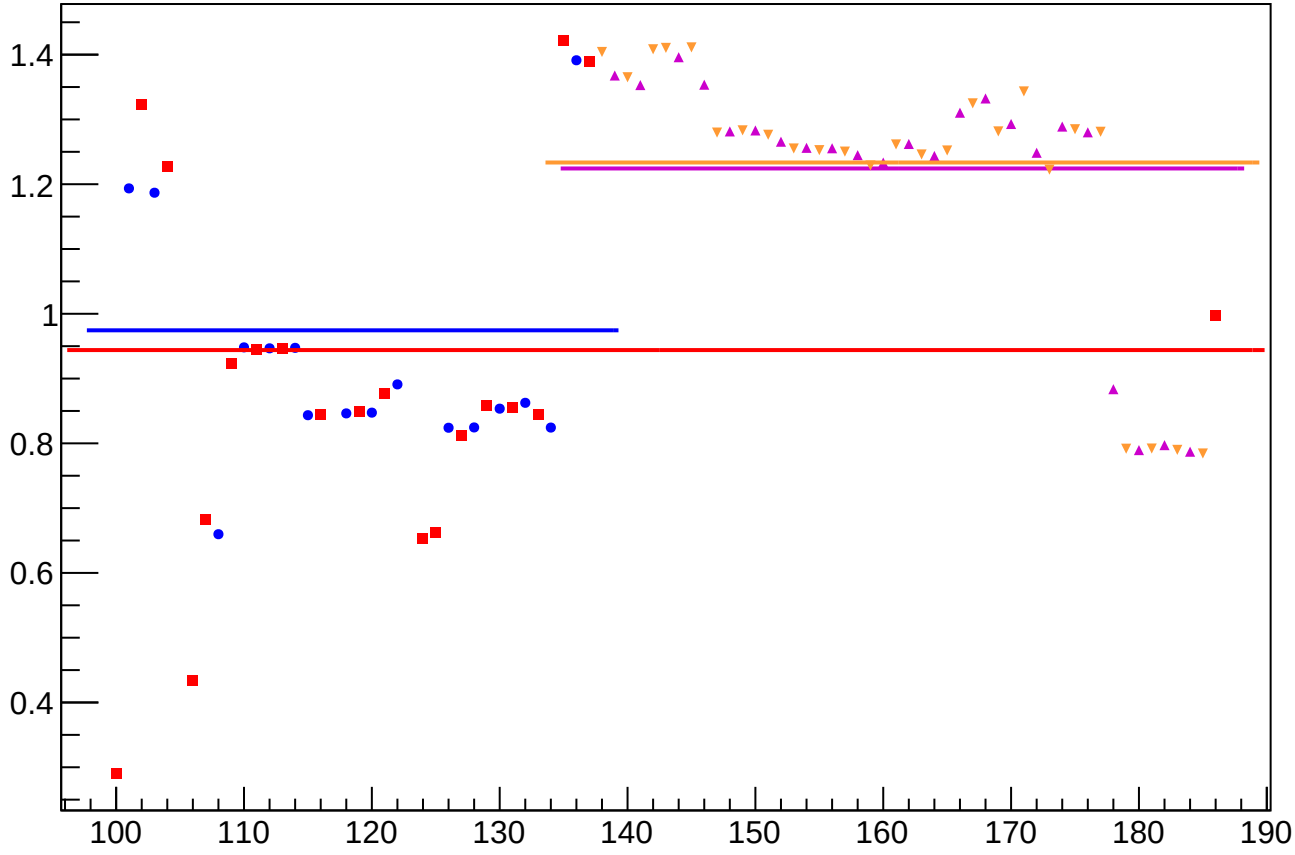
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.013+/-0.000 χ^2/NDF: 8690595.0/40

All: 0.013+/-0.000 χ^2/NDF: 18449787.8/83

- sign 0.013+/-0.000 χ^2/NDF: 9758503.6/42

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.944+/-0.000 χ^2/NDF: 1672004286.2/19

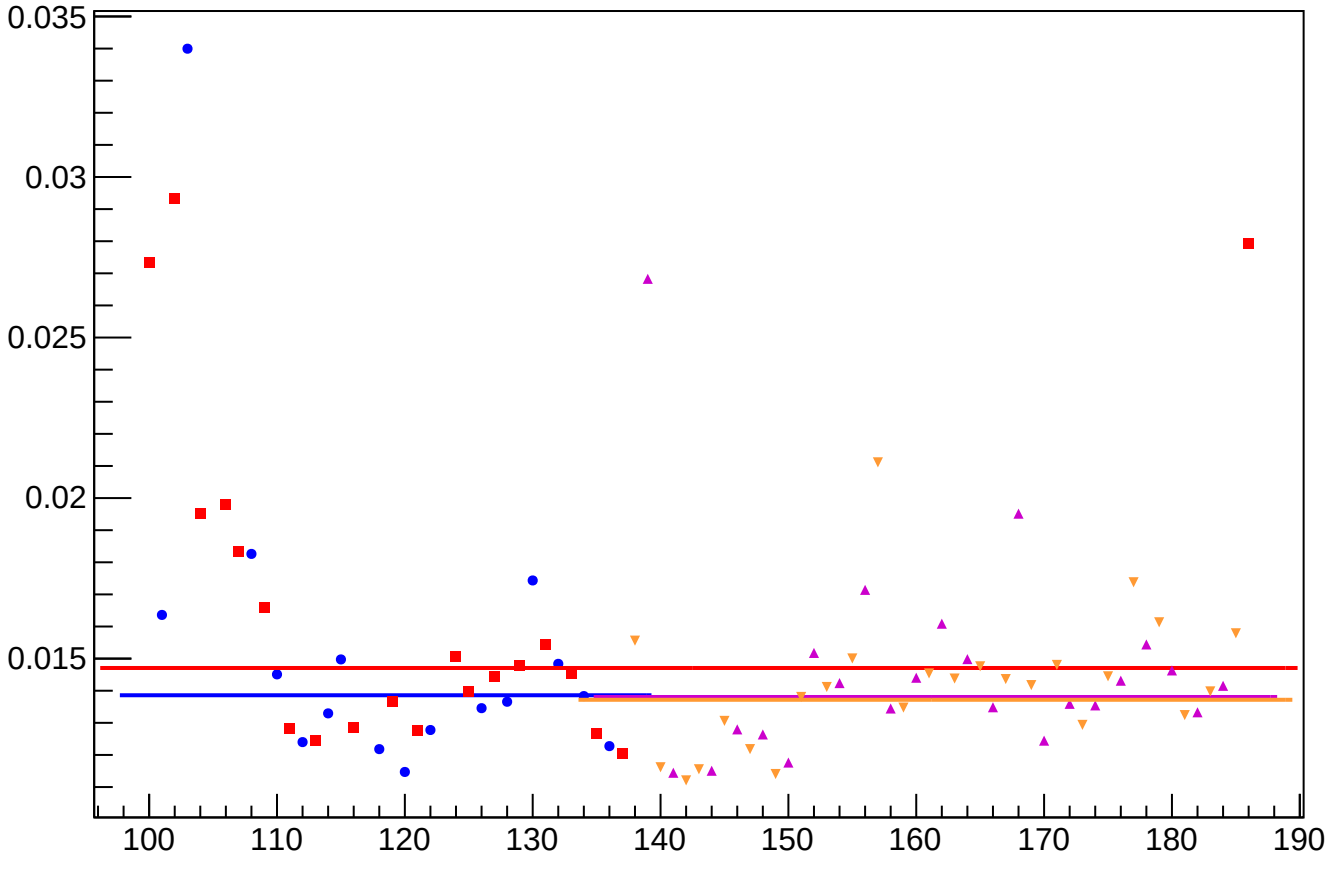
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.165+/-0.000 χ^2/NDF: 6100808578.5/40

All: 1.157+/-0.000 χ^2/NDF: 12228214103.1/8

- 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: 599979.5/15

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

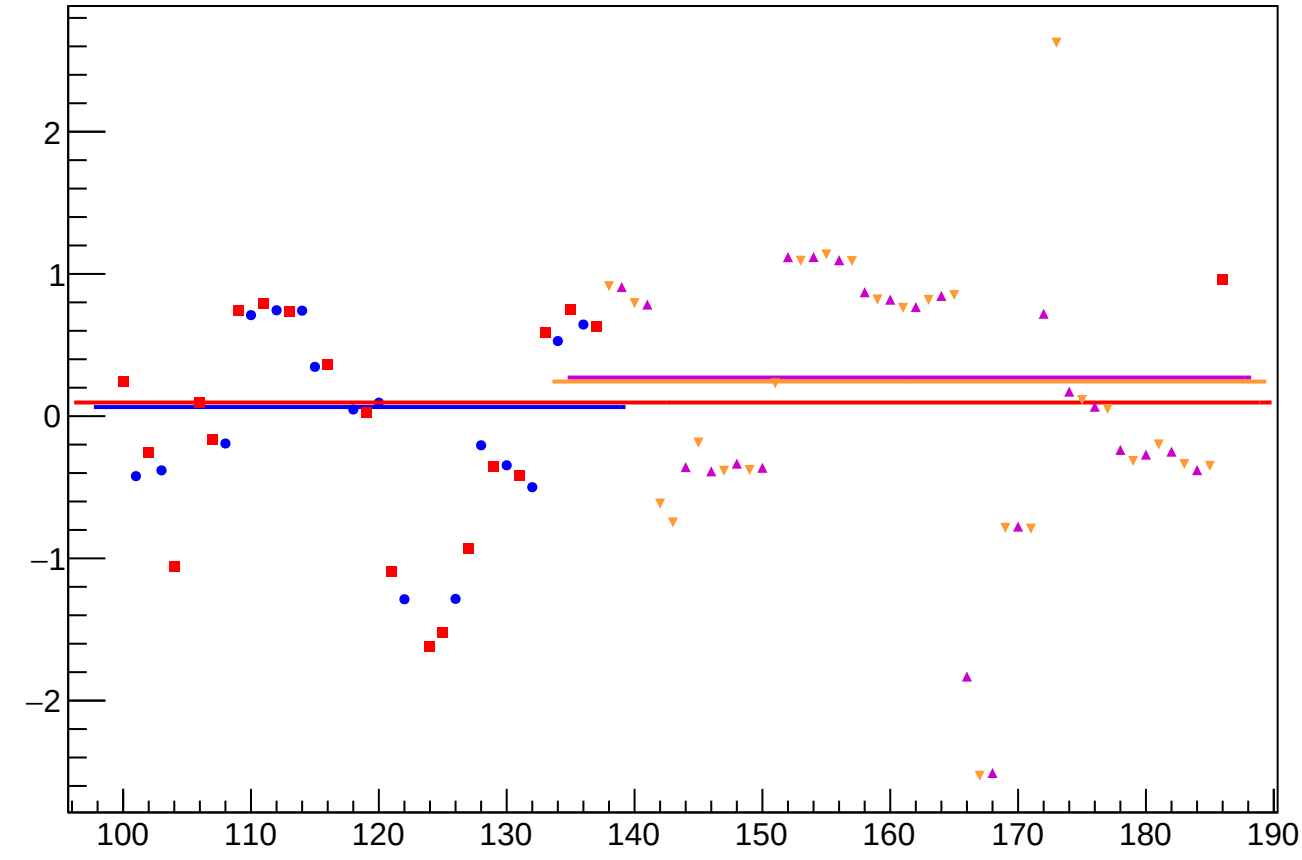
Right Out: 0.015+/-0.000 χ^2/NDF: 720977.5/19

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 1151717.1/40

All: 0.014+/-0.000 χ^2/NDF: 2790009.1/83

- sign 0.014+/-0.000 χ^2/NDF: 1628214.9/42



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.096+/-0.000 χ^2/NDF: 17788344706.8/19

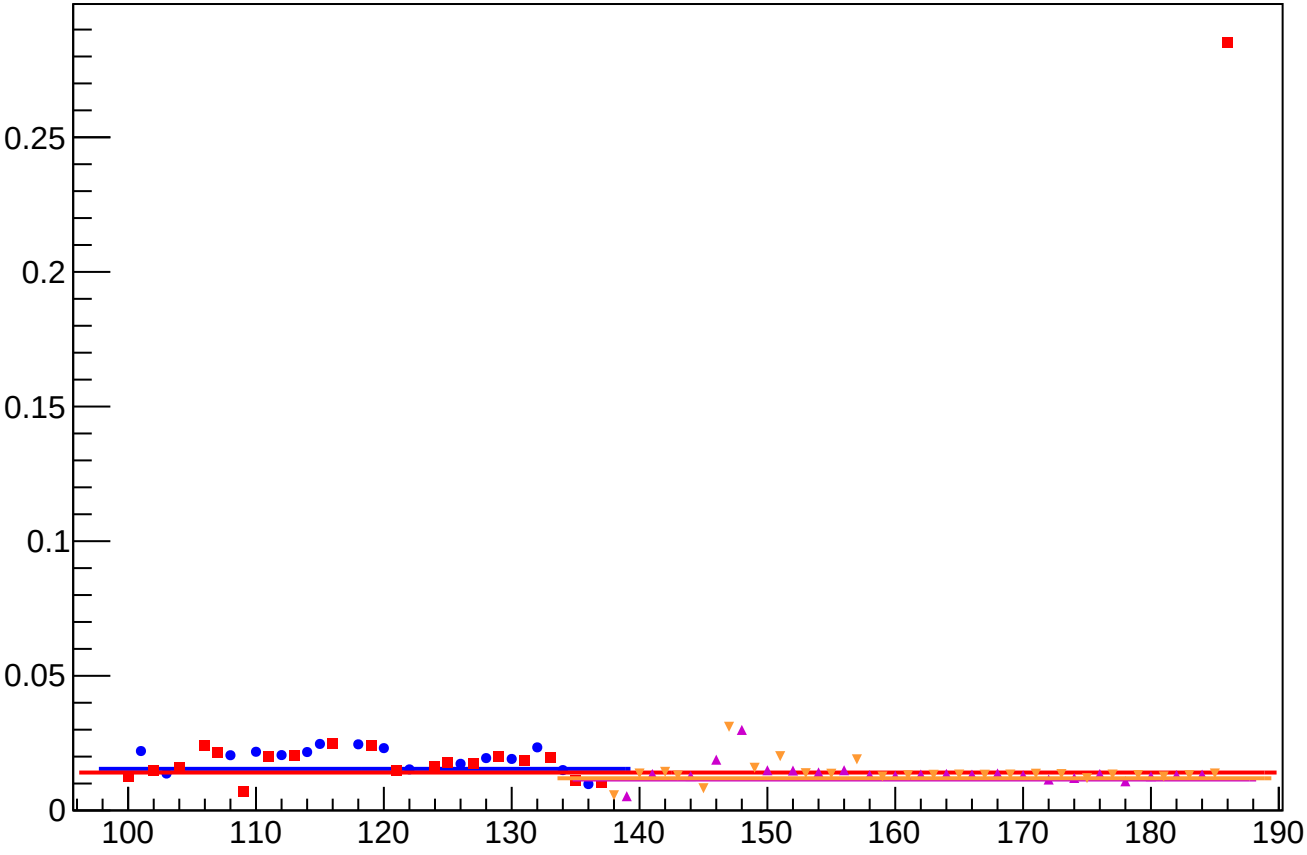
Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

+ sign 0.212+/-0.000 χ^2/NDF: 117294547969.0/40

All: 0.224+/-0.000 χ^2/NDF: 226359303900.8

- sign 0.236+/-0.000 χ^2/NDF: 109021859635.7/42

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

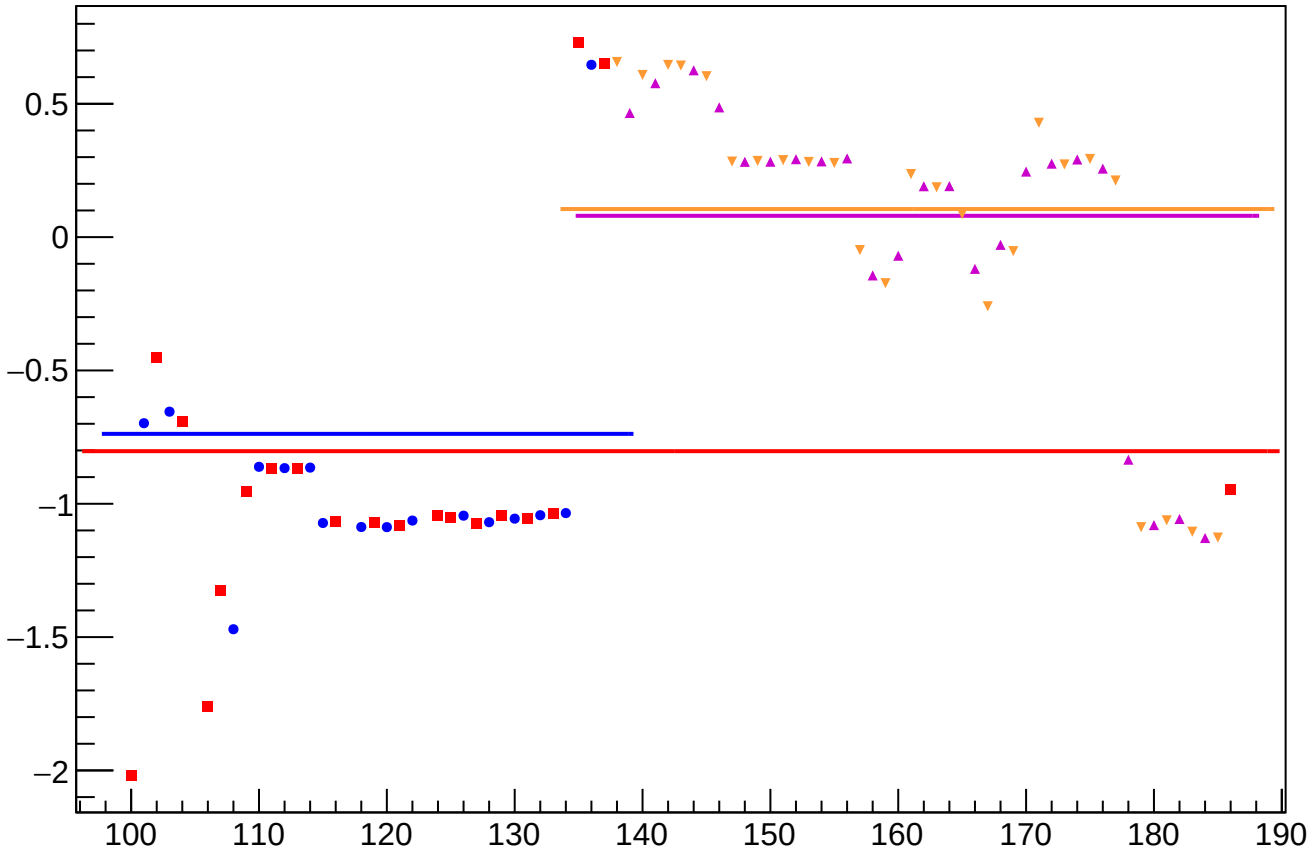
Right Out: 0.014+/-0.000 χ^2/NDF: 2370553.3/19

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.013+/-0.000 χ^2/NDF: 5068185.8/40

All: 0.012+/-0.000 χ^2/NDF: 11474454.7/83

- sign 0.012+/-0.000 χ^2/NDF: 6361589.6/42



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

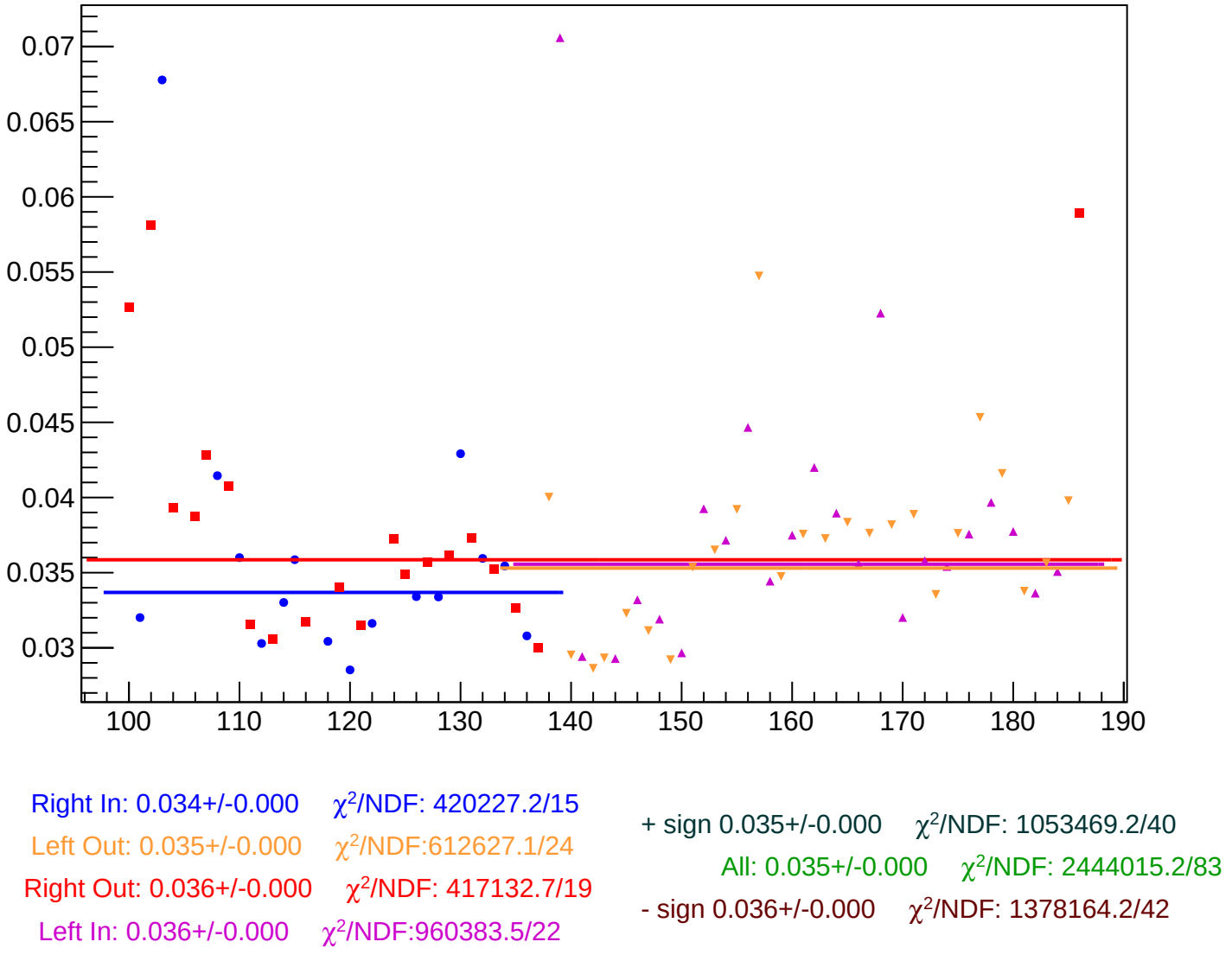
Right Out: -0.803+/-0.000 χ^2/NDF: 1886256127.4/19

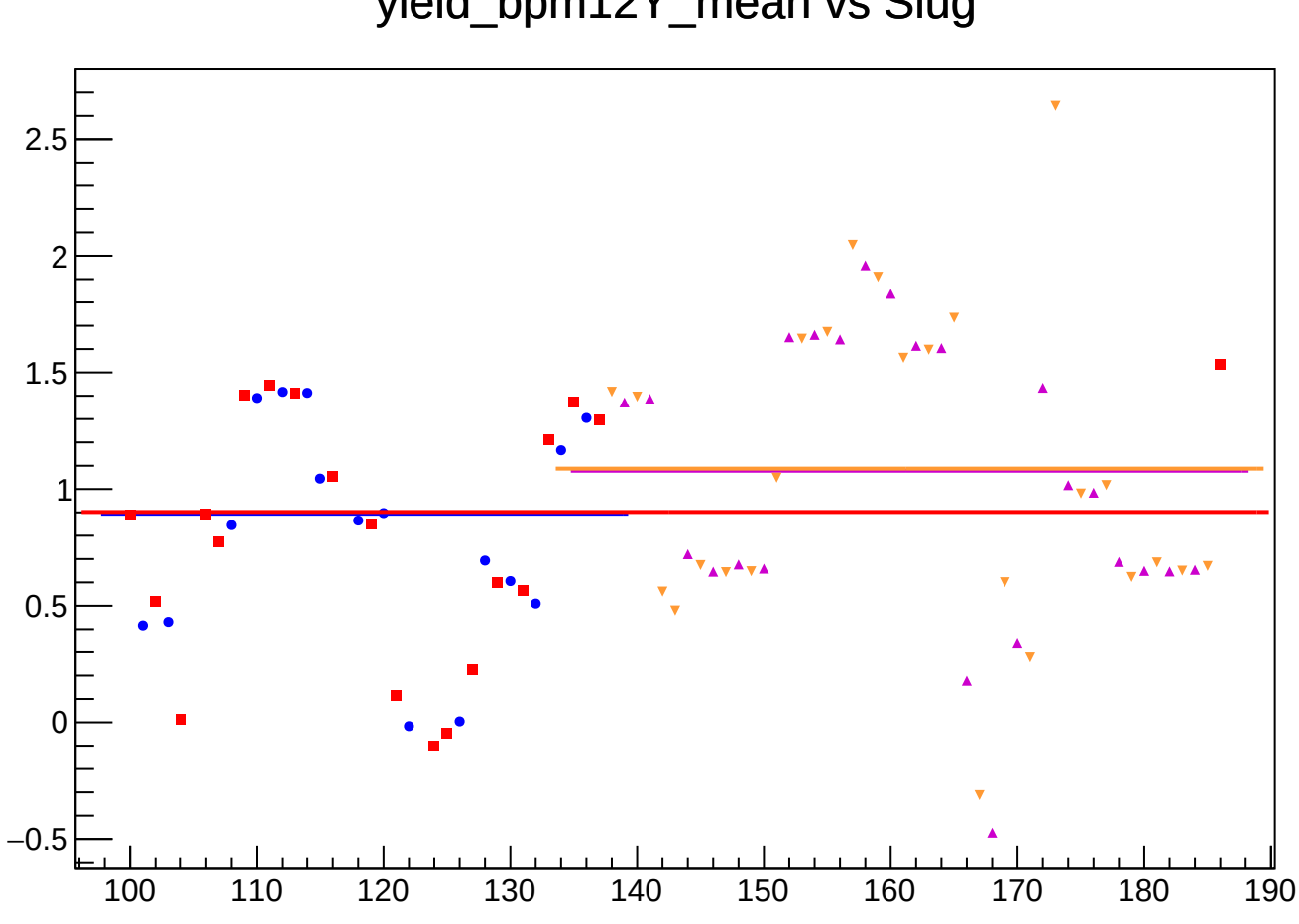
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.141+/-0.000 χ^2/NDF: 8657314935.4/40

All: -0.159+/-0.000 χ^2/NDF: 16735732635.0/

- sign -0.179+/-0.000 χ^2/NDF: 8064702012.1/42


yield_bpm12X_rms vs Slug
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
100
110
120
130
140
150
160
170
180
190
Right In: 0.034+/-0.000 χ²/NDF: 420227.2/15
Left Out: 0.035+/-0.000 χ²/NDF:612627.1/24
Right Out: 0.036+/-0.000 χ²/NDF: 417132.7/19
Left In: 0.036+/-0.000 χ²/NDF:960383.5/22
+ sign 0.035+/-0.000 χ²/NDF: 1053469.2/40
All: 0.035+/-0.000 χ²/NDF: 2444015.2/83
- sign 0.036+/-0.000 χ²/NDF: 1378164.2/42



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.902+/-0.000 χ^2/NDF: 17897155565.7/19

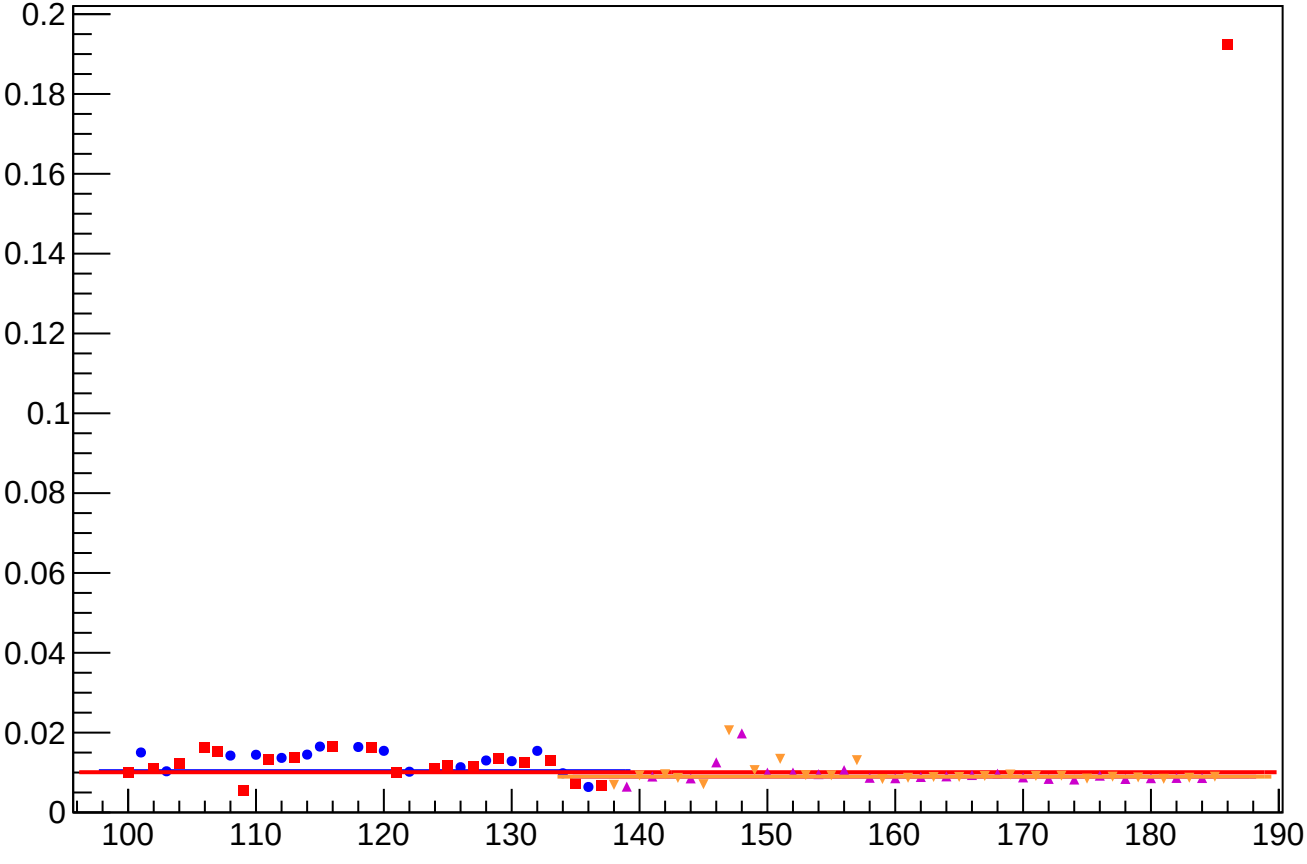
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.049+/-0.000 χ^2/NDF: 108271063439.6/40

All: 1.044+/-0.000 χ^2/NDF: 201733139780.7

- 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: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

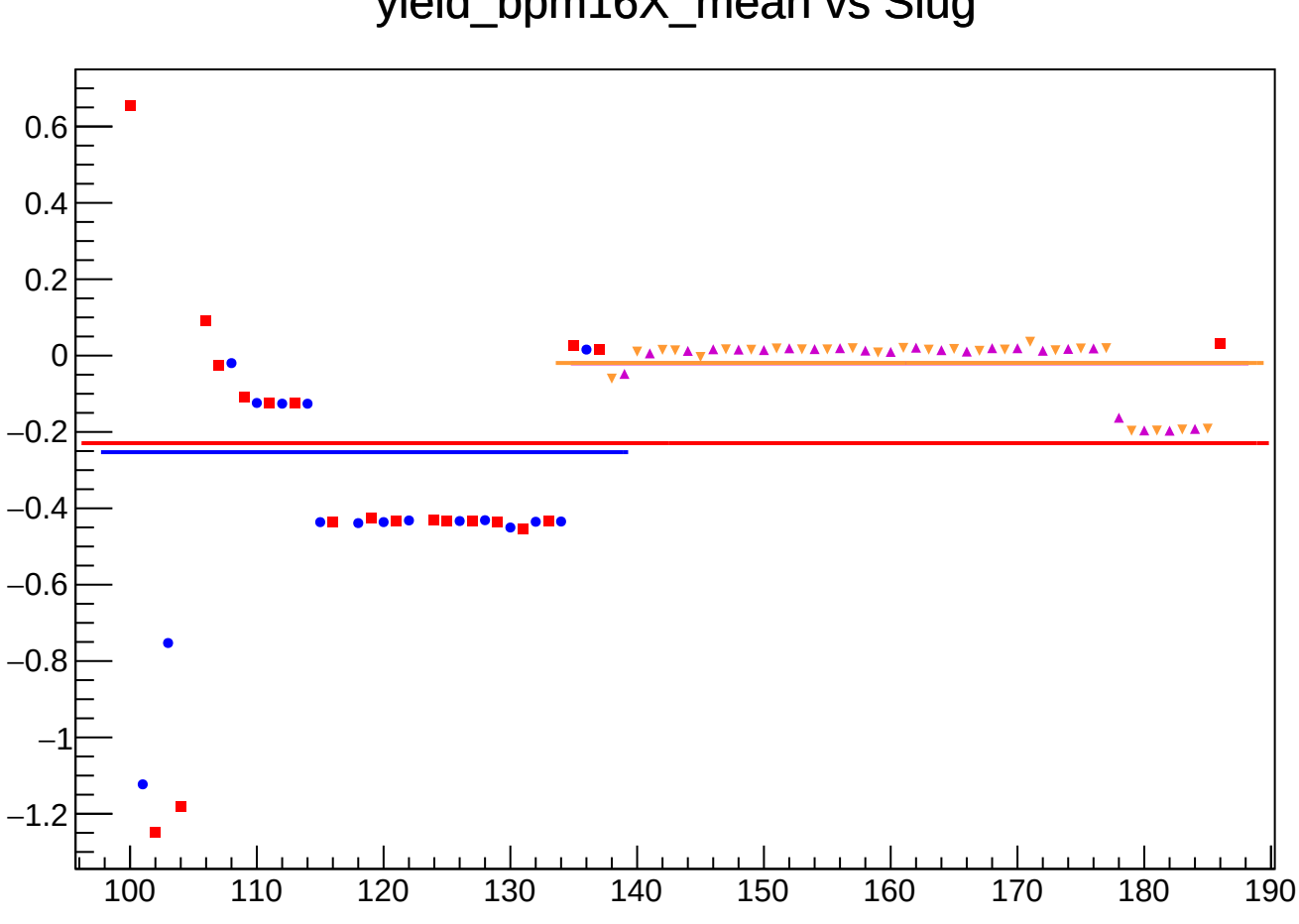
Right Out: 0.010+/-0.000 χ^2/NDF: 2016212.7/19

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 2664111.3/40

All: 0.009+/-0.000 χ^2/NDF: 5768285.7/83

- sign 0.009+/-0.000 χ^2/NDF: 3103572.3/42



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.229+/-0.000 χ^2/NDF: 1821666664.4/19

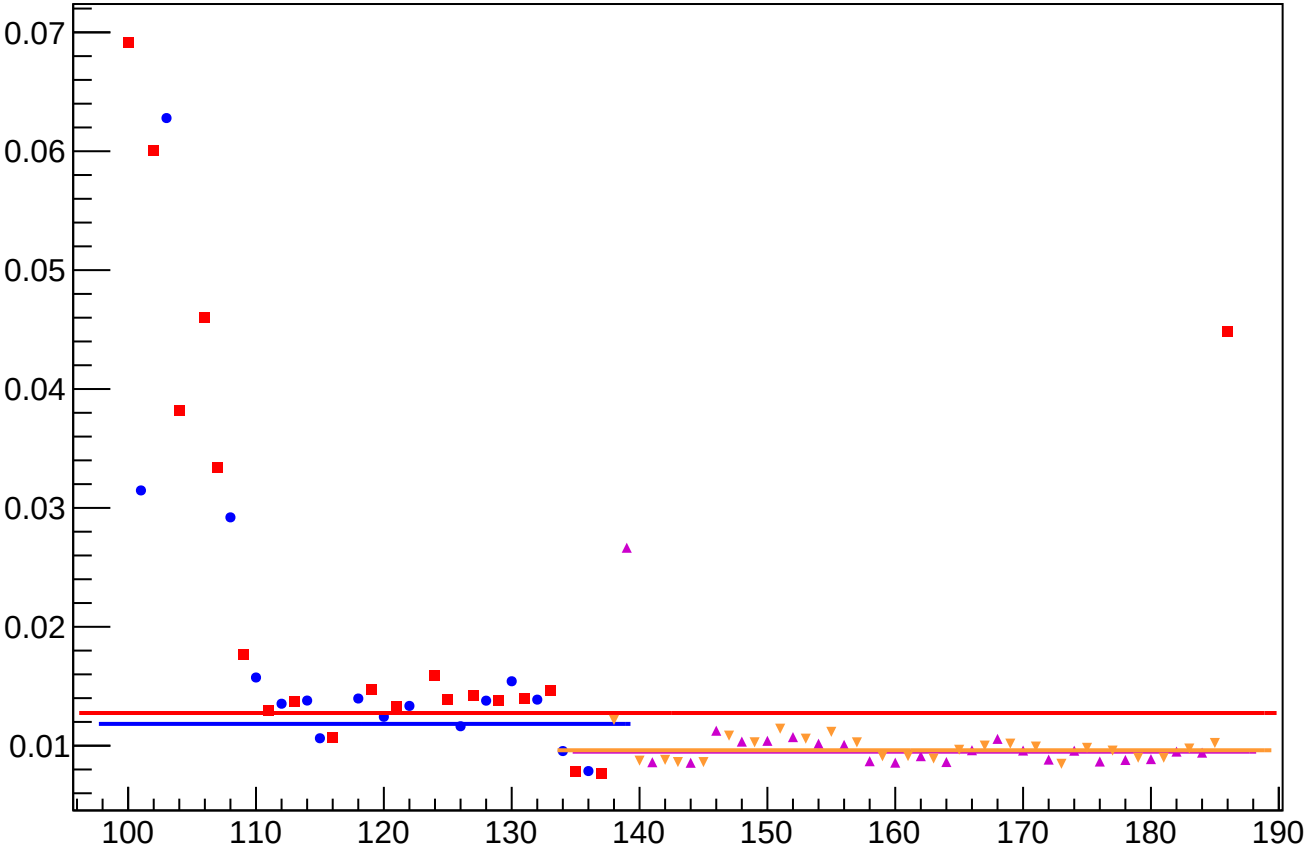
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.058+/-0.000 χ^2/NDF: 4698284563.4/40

All: -0.056+/-0.000 χ^2/NDF: 8683327513.0/8

- 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: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2607159.0/19

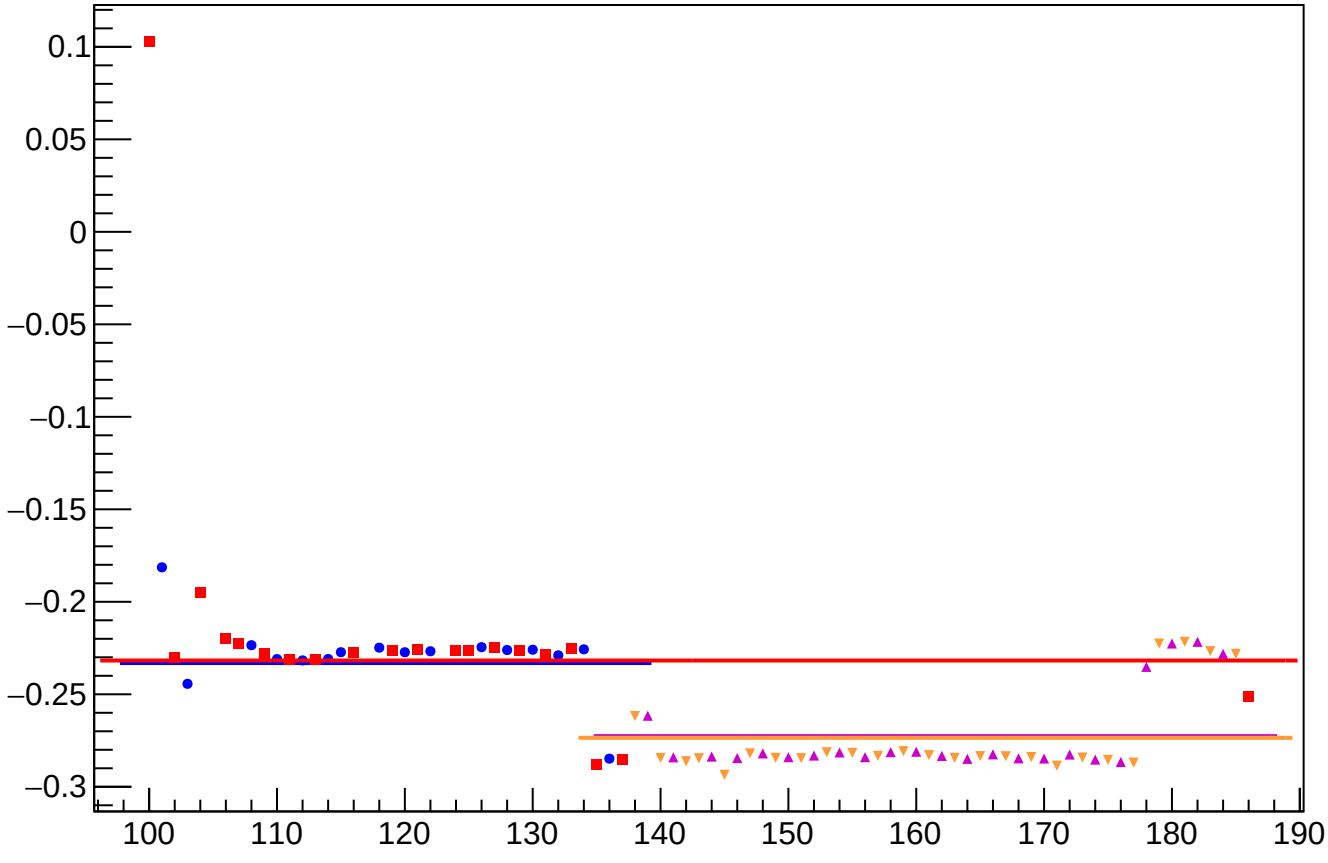
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 2505579.7/40

All: 0.010+/-0.000 χ^2/NDF: 6581476.7/83

- 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: 199059878.3/15

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.232+/-0.000 χ^2/NDF: 287362958.0/19

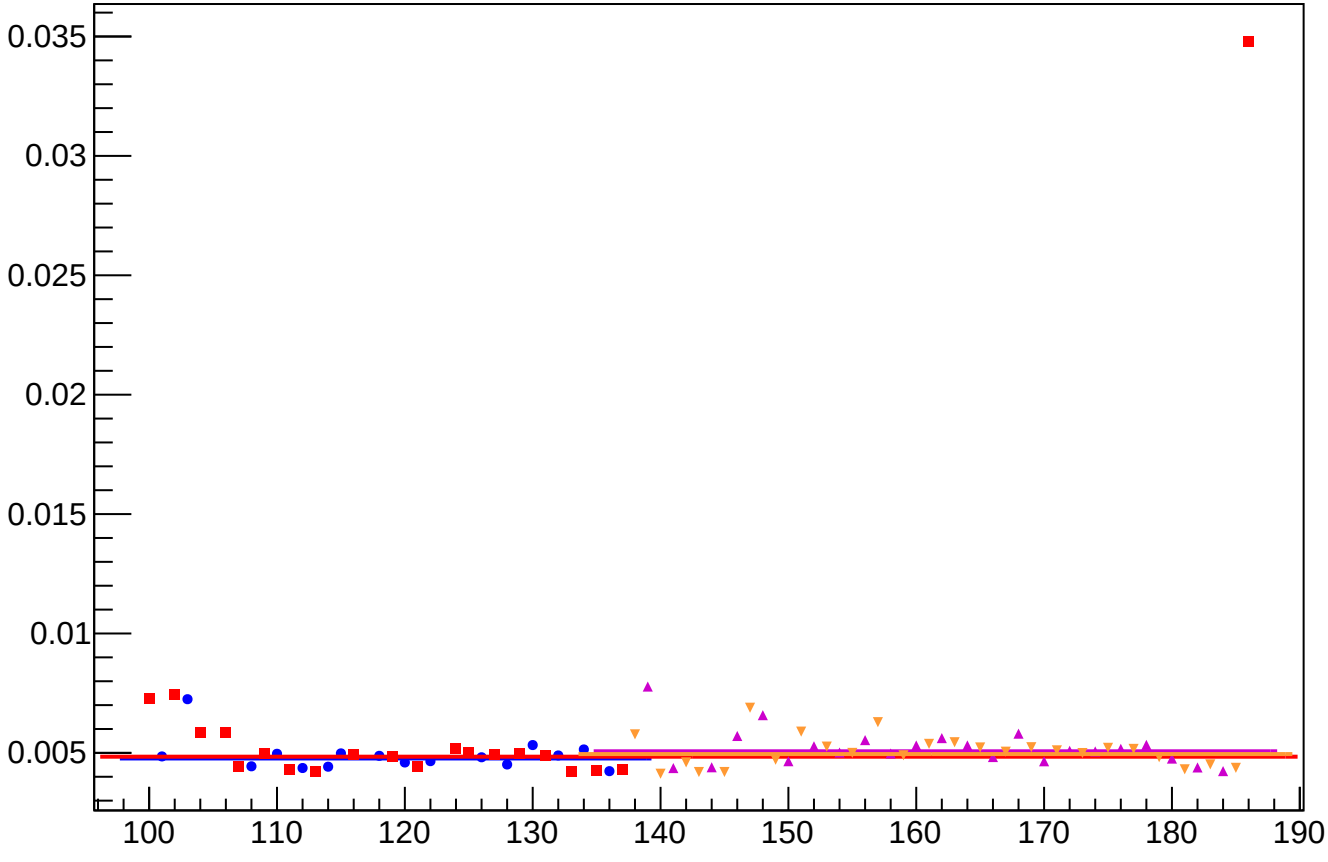
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.262+/-0.000 χ^2/NDF: 929095205.4/40

All: -0.261+/-0.000 χ^2/NDF: 1892074507.5/8

- 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: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

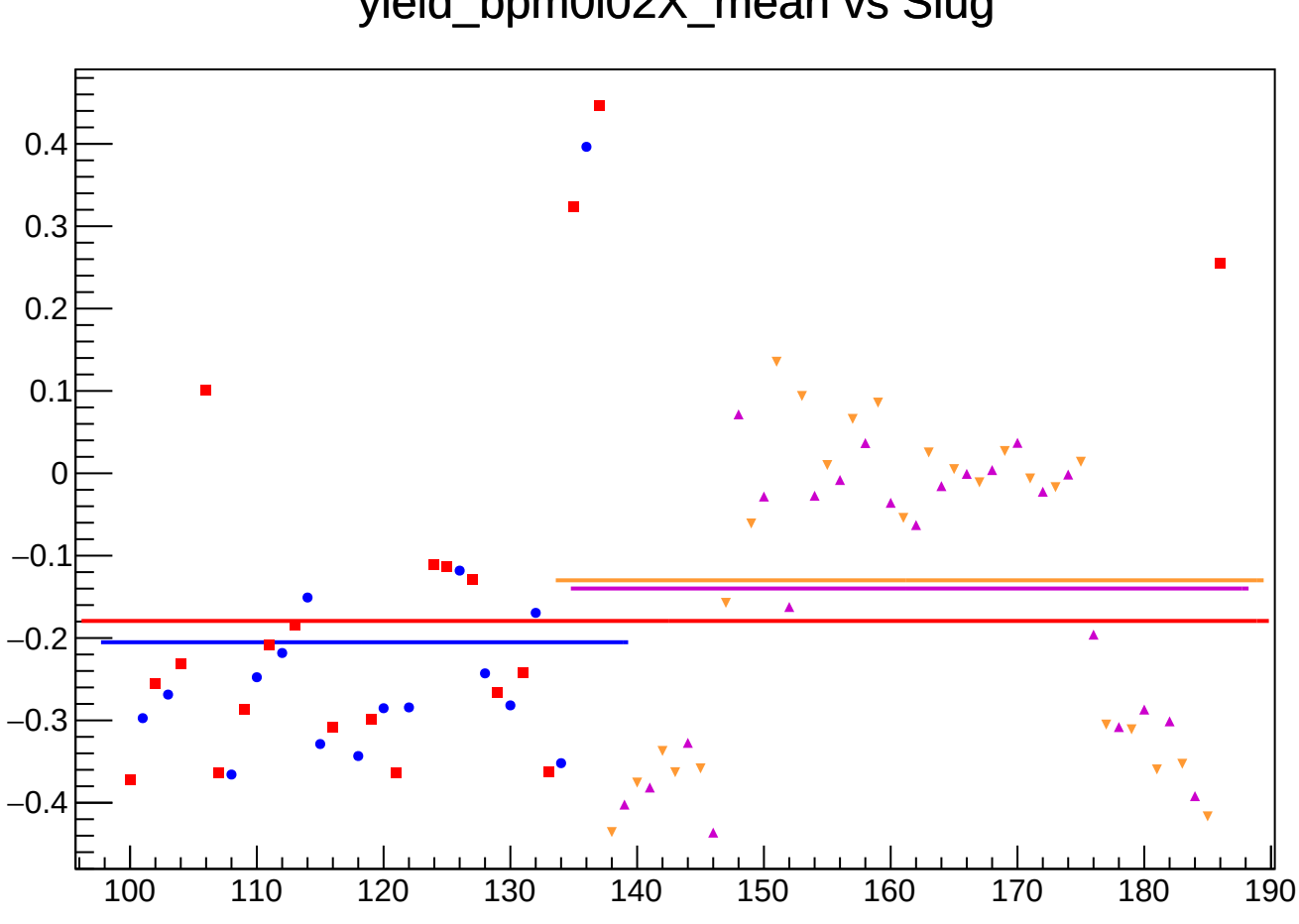
Right Out: 0.005+/-0.000 χ^2/NDF: 861972.8/19

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 734336.6/40

All: 0.005+/-0.000 χ^2/NDF: 2166101.7/83

- sign 0.005+/-0.000 χ^2/NDF: 1422082.4/42



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.179+/-0.000 χ^2/NDF: 6707407936.7/19

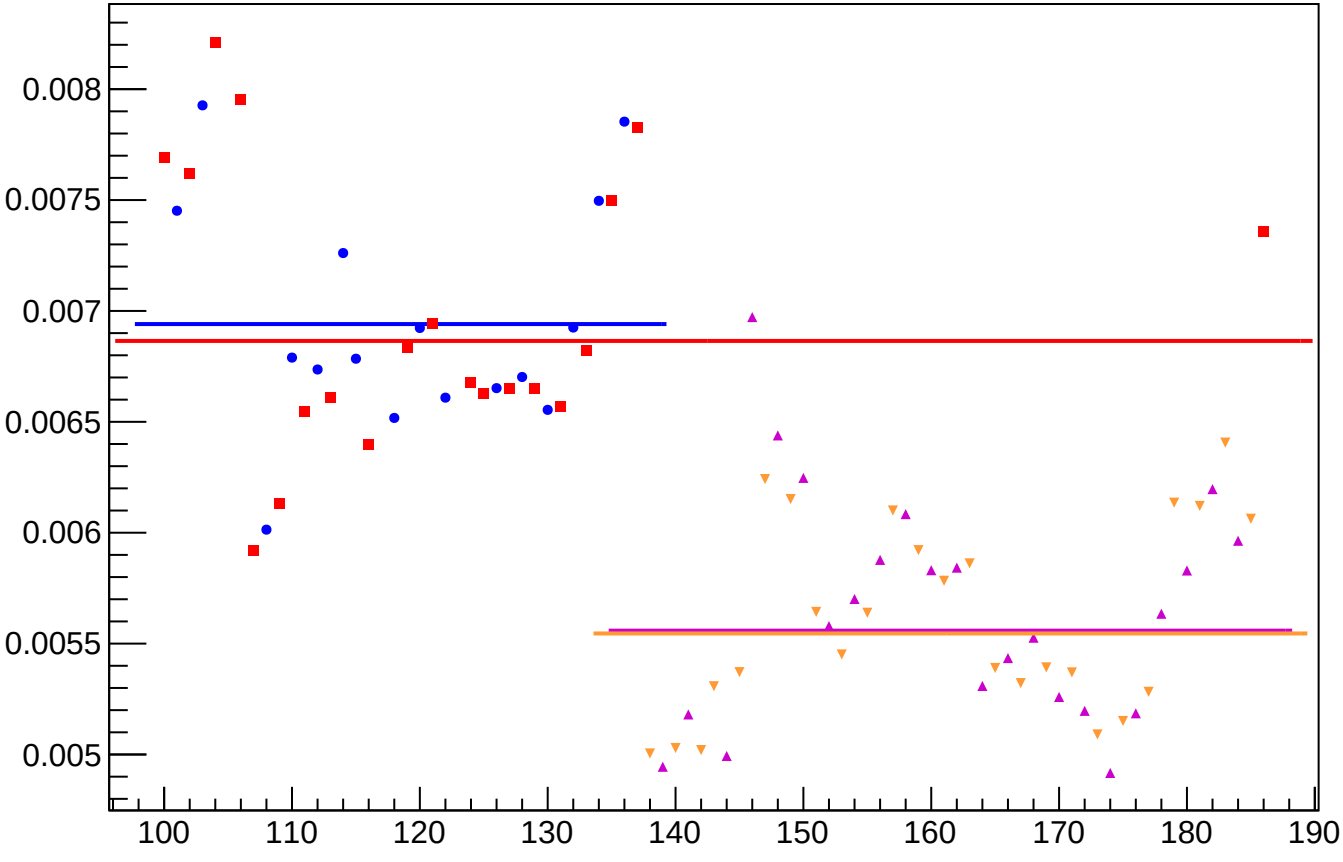
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.145+/-0.000 χ^2/NDF: 28348803947.9/40

All: -0.147+/-0.000 χ^2/NDF: 50405171201.1/

- 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: 85159.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

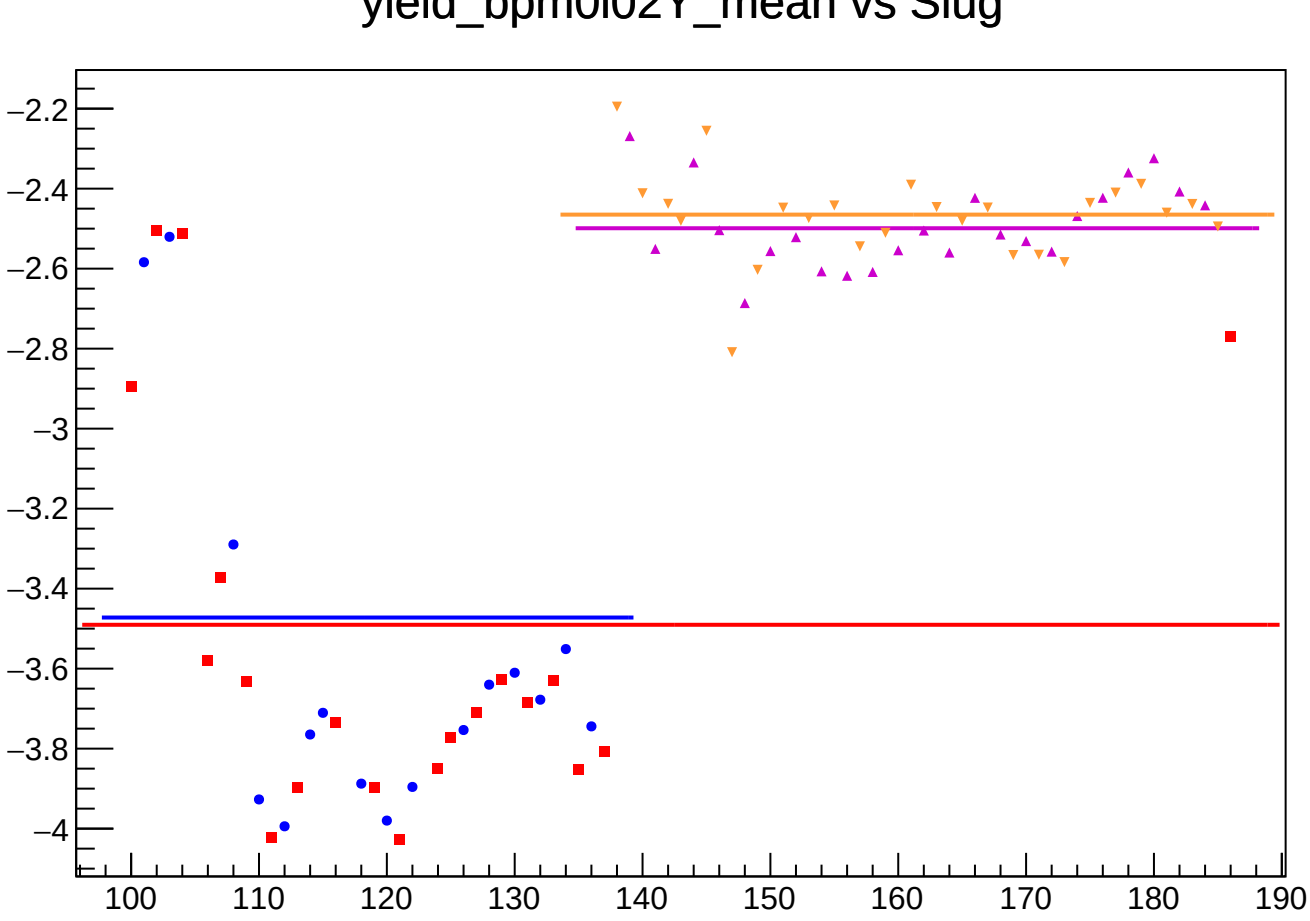
Right Out: 0.007+/-0.000 χ^2/NDF: 103562.4/19

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 743701.0/40

All: 0.006+/-0.000 χ^2/NDF: 1536688.6/83

- sign 0.006+/-0.000 χ^2/NDF: 792273.7/42



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.490+/-0.000 χ^2/NDF: 31398624612.6/19

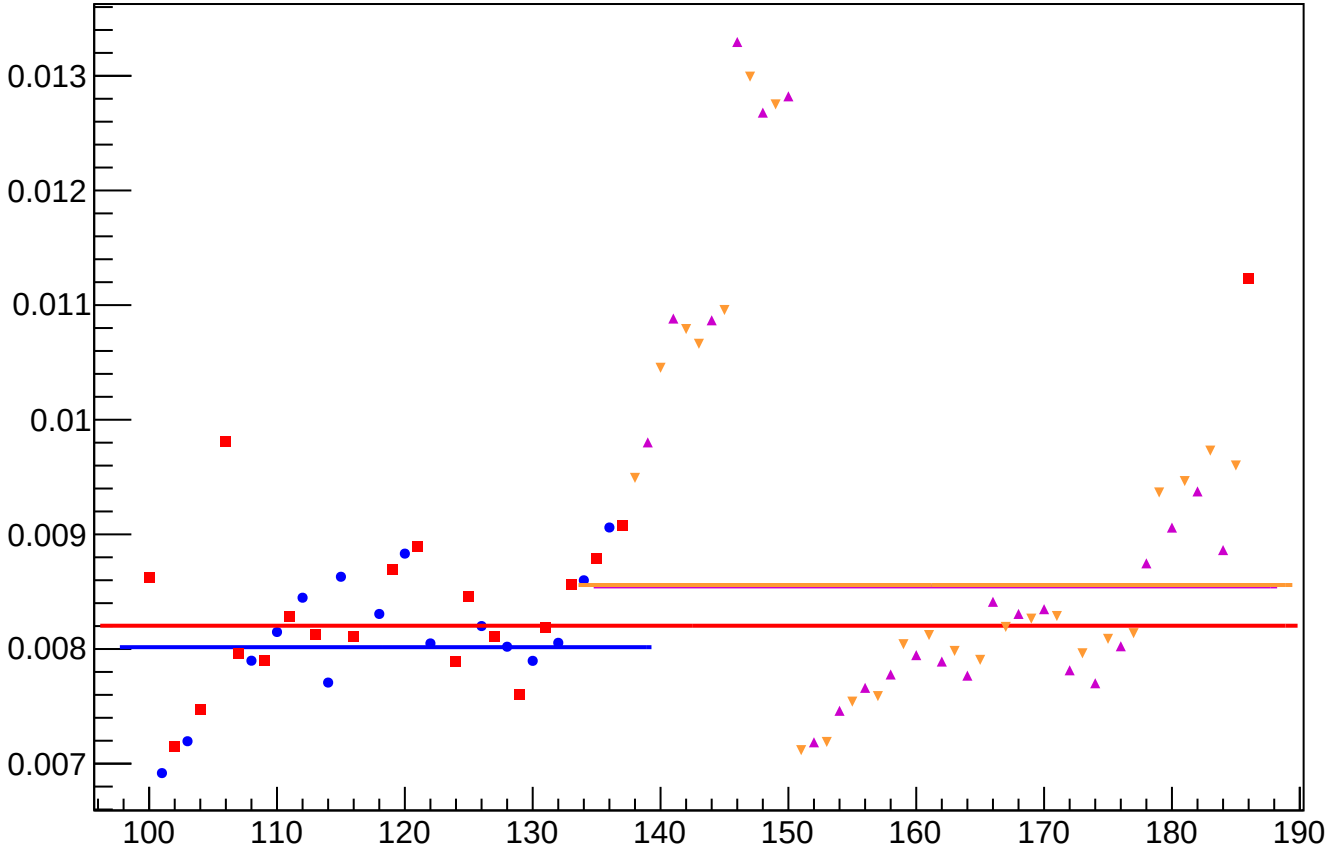
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.773+/-0.000 χ^2/NDF: 108346039293.0/40

All: -2.795+/-0.000 χ^2/NDF: 216461070881.8

- 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: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

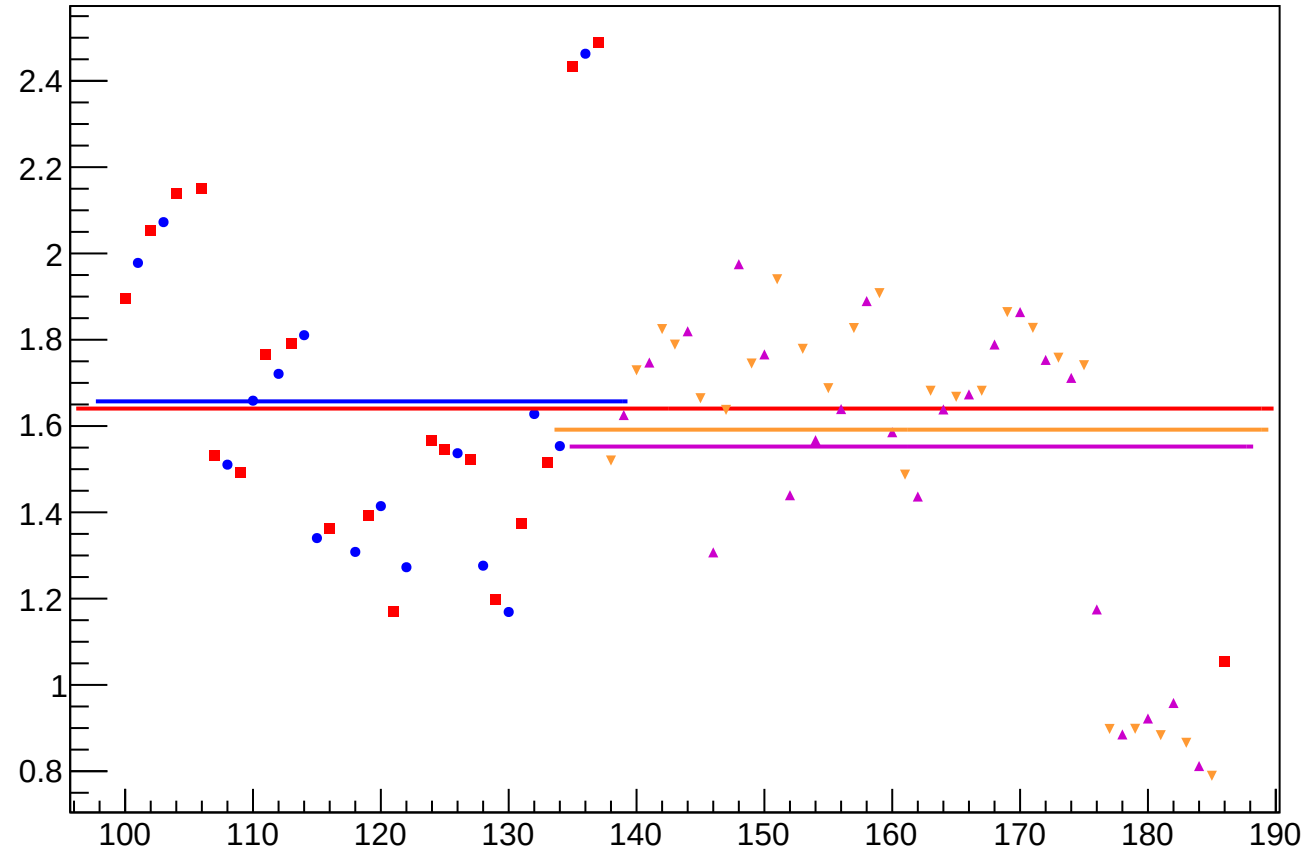
Right Out: 0.008+/-0.000 χ^2/NDF: 130734.4/19

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 954653.6/40

All: 0.008+/-0.000 χ^2/NDF: 2014504.2/83

- sign 0.008+/-0.000 χ^2/NDF: 1059203.1/42



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.640+/-0.000 χ^2/NDF: 7140702421.4/19

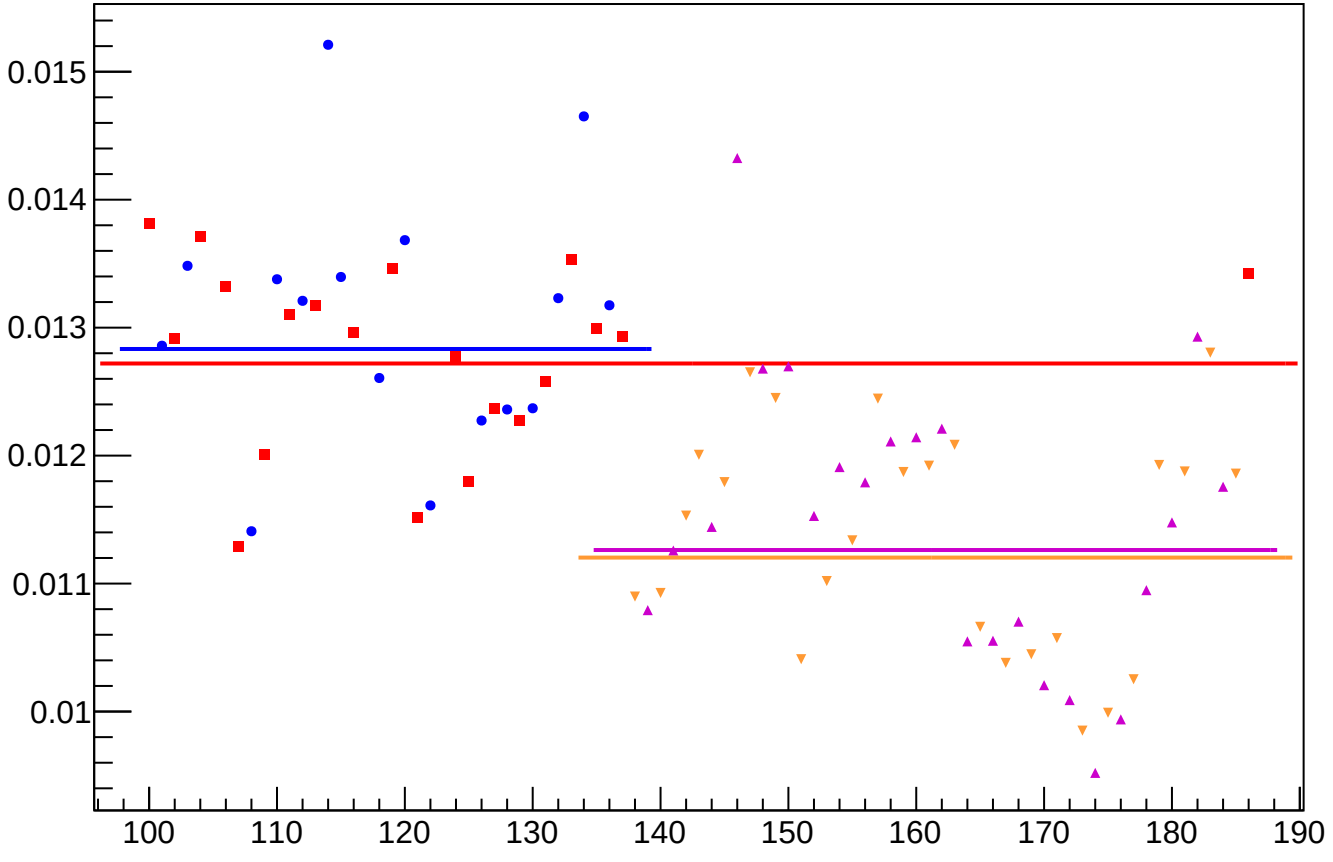
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.606+/-0.000 χ^2/NDF: 23887133122.2/40

All: 1.591+/-0.000 χ^2/NDF: 45446615112.1/8

- sign 1.575+/-0.000 χ^2/NDF: 21467829361.5/42

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 45546.0/19

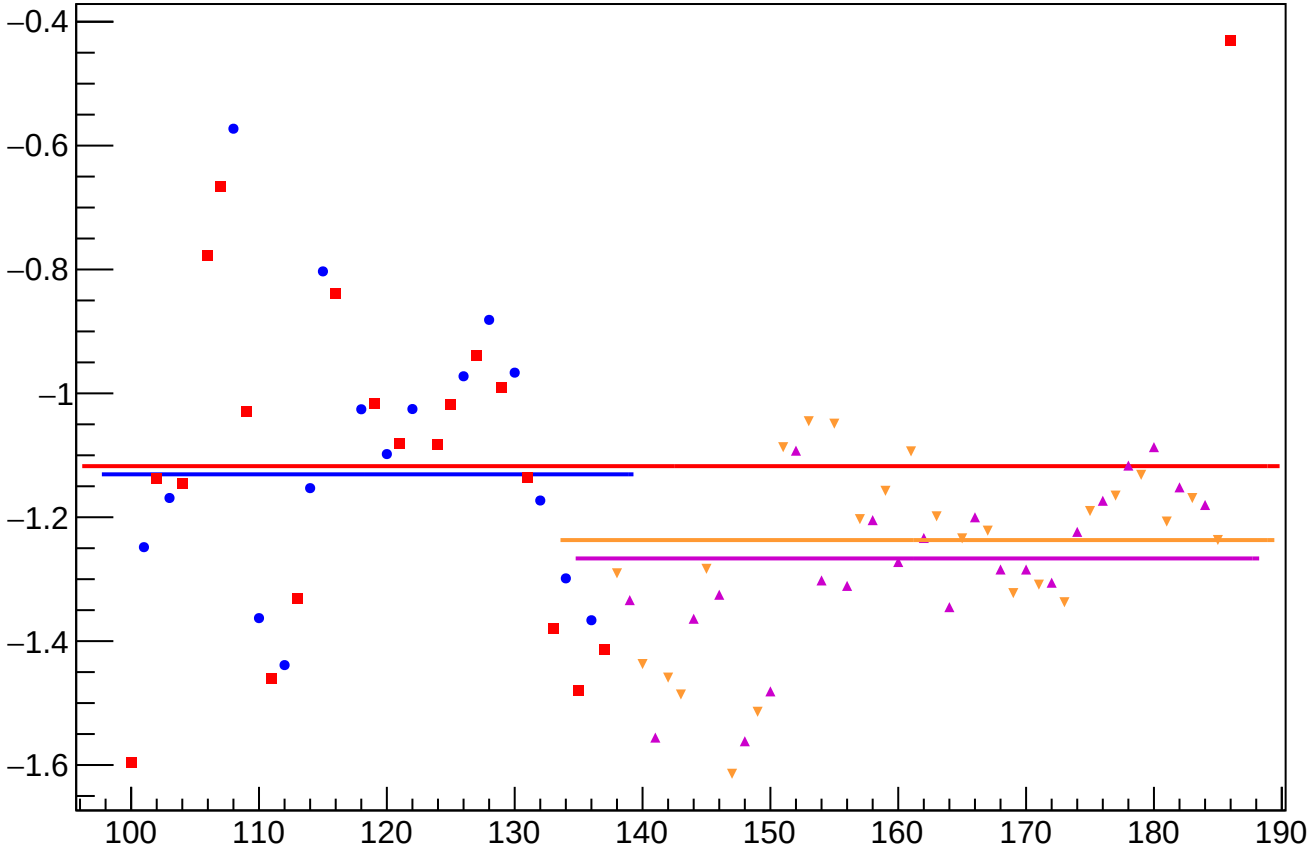
Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 451700.2/40

All: 0.012+/-0.000 χ^2/NDF: 958330.4/83

- sign 0.012+/-0.000 χ^2/NDF: 505815.5/42

yield_bpm0i02aY_mean vs Slug



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -1.118+/-0.000 χ^2/NDF: 5019170062.0/19

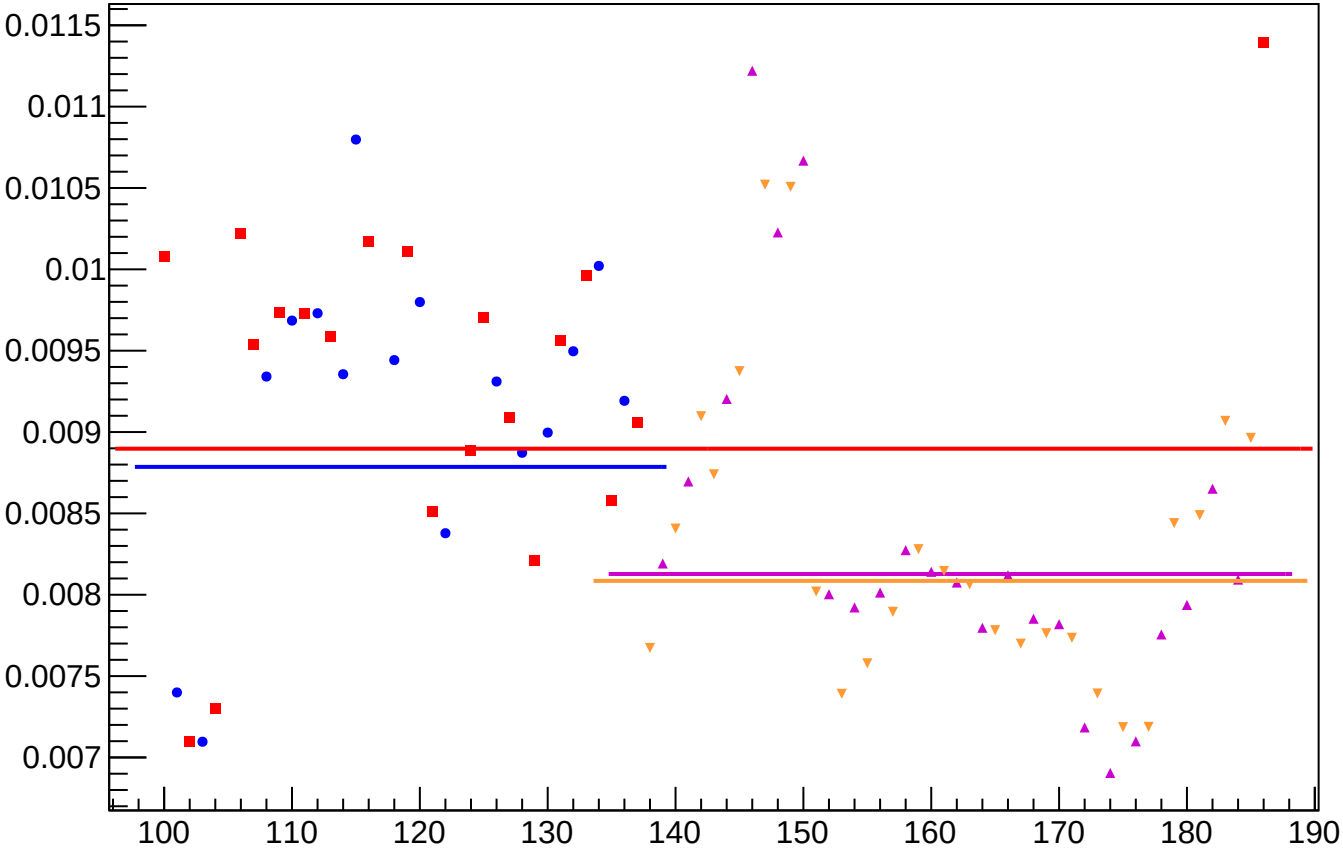
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.211+/-0.000 χ^2/NDF: 9519355609.8/40

All: -1.219+/-0.000 χ^2/NDF: 19772785195.4/

- 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: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

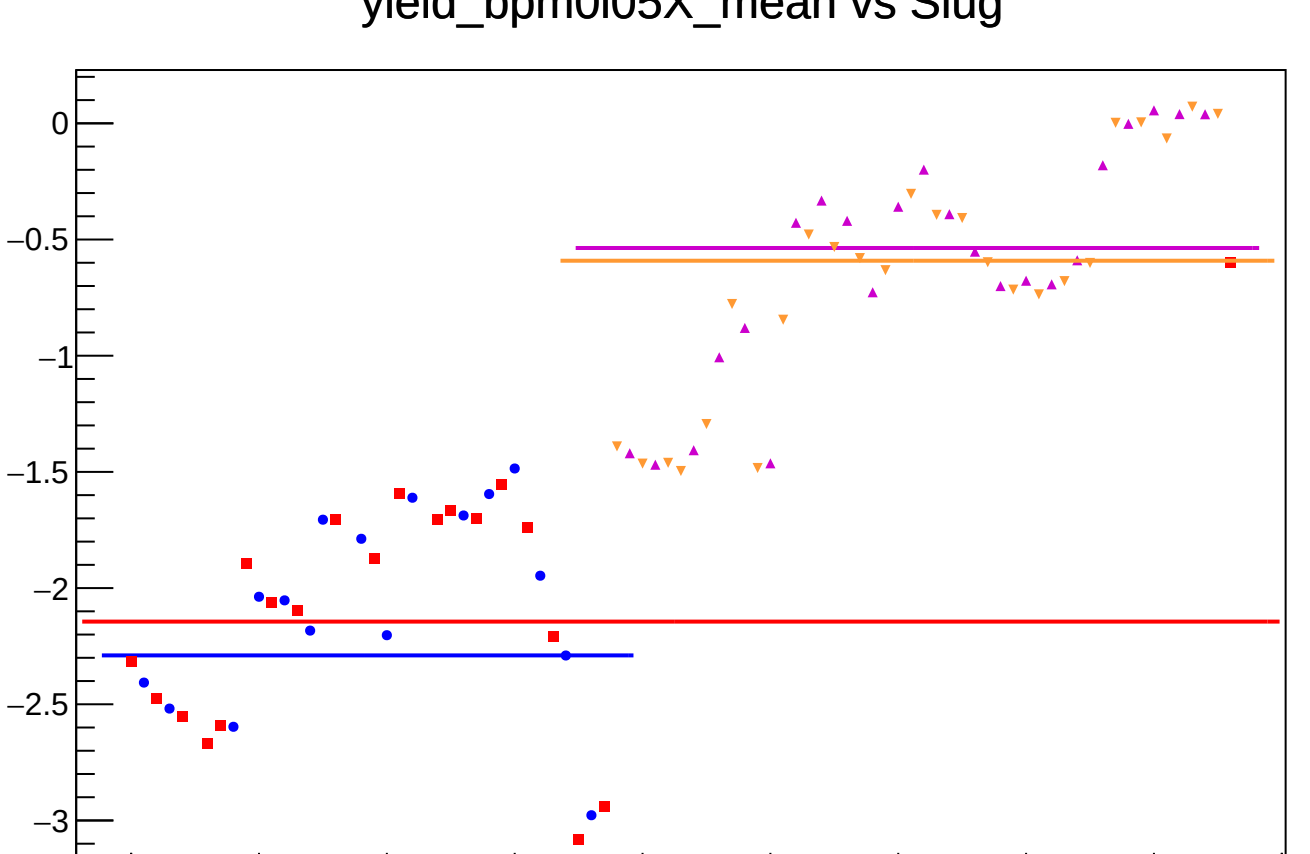
Right Out: 0.009+/-0.000 χ^2/NDF: 243367.0/19

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 566244.0/40

All: 0.008+/-0.000 χ^2/NDF: 1301378.1/83

- sign 0.008+/-0.000 χ^2/NDF: 733149.9/42



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -2.144+/-0.000 χ^2/NDF: 39292935592.1/19

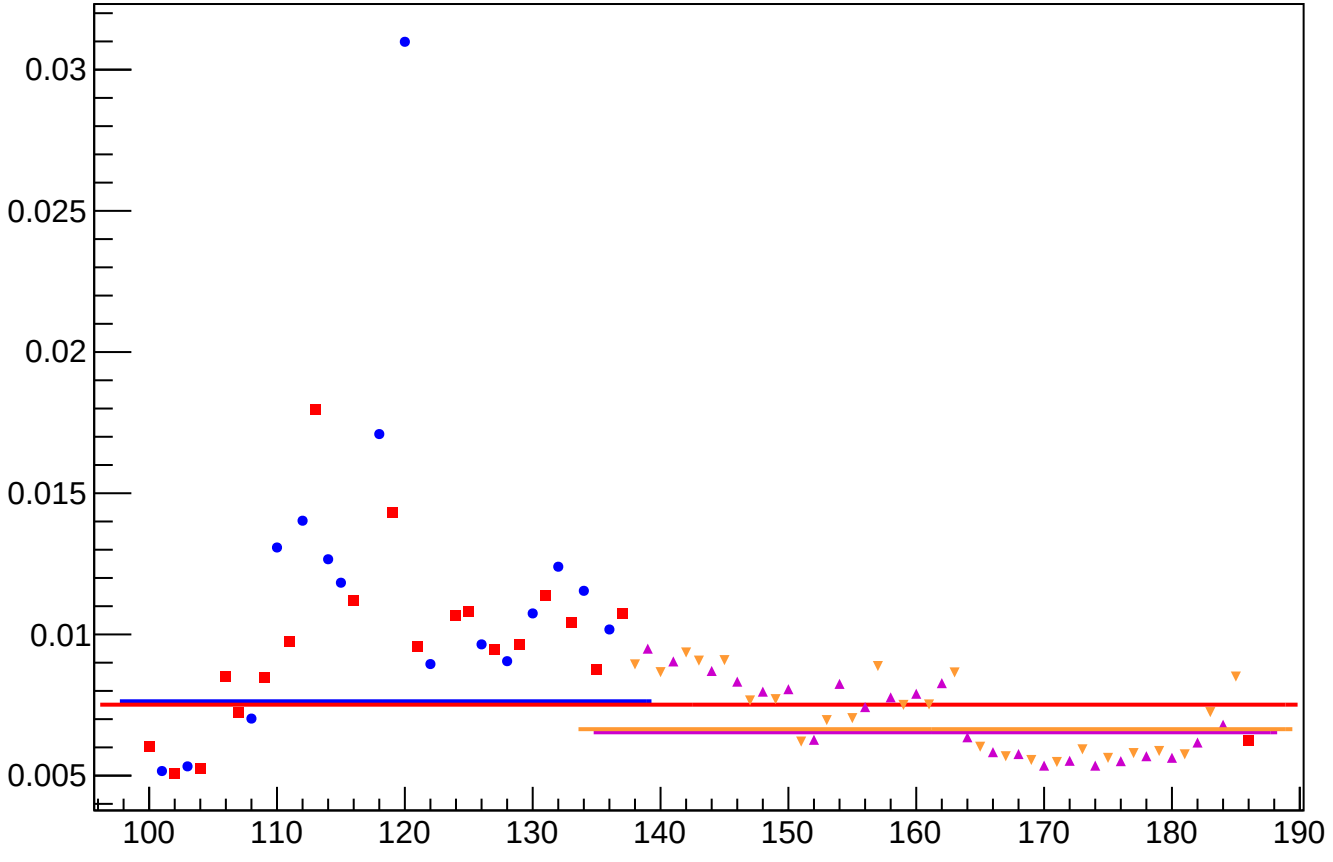
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.909+/-0.000 χ^2/NDF: 292526552767.4/40

All: -0.898+/-0.000 χ^2/NDF: 611816384975.0

- 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: 1710797.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

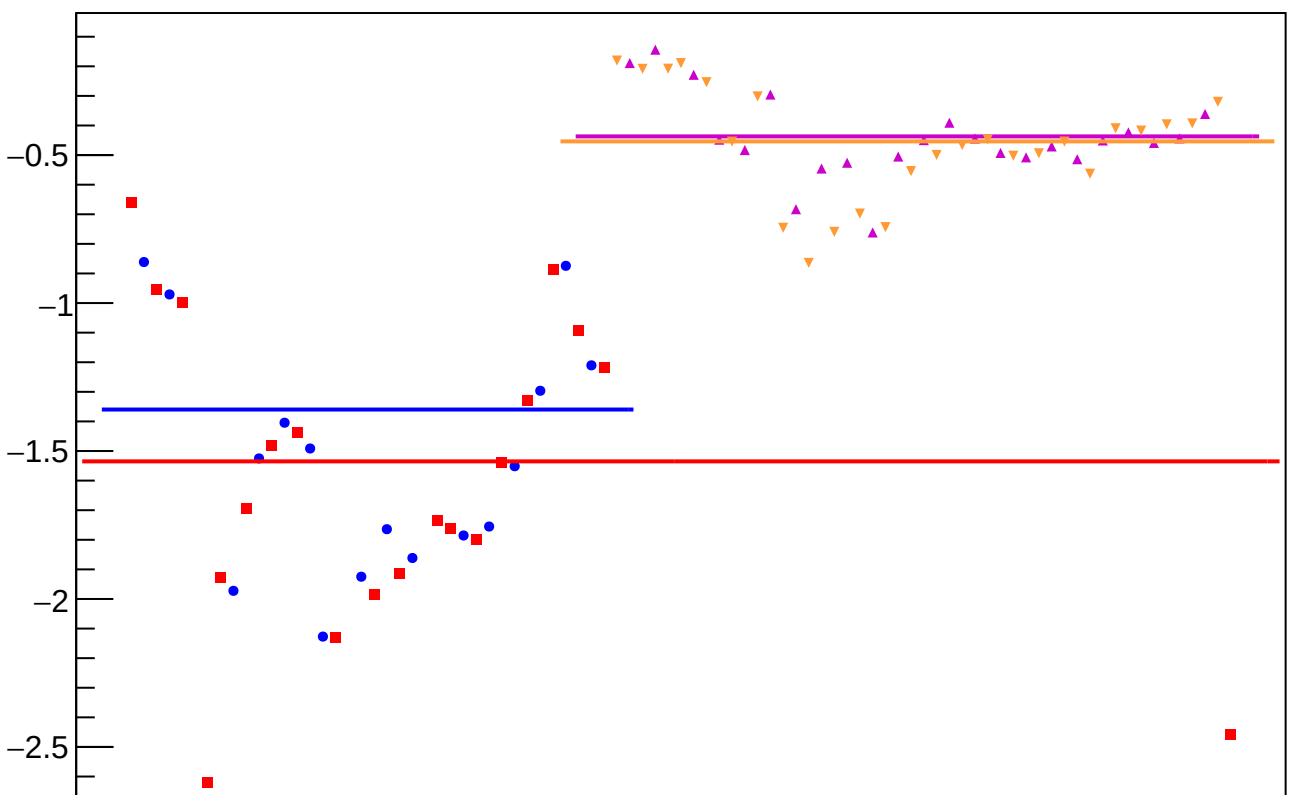
Right Out: 0.008+/-0.000 χ^2/NDF: 1348186.7/19

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 2941168.3/40

All: 0.007+/-0.000 χ^2/NDF: 5598874.3/83

- sign 0.007+/-0.000 χ^2/NDF: 2654591.8/42



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.535+/-0.000 χ^2/NDF: 50313084695.6/19

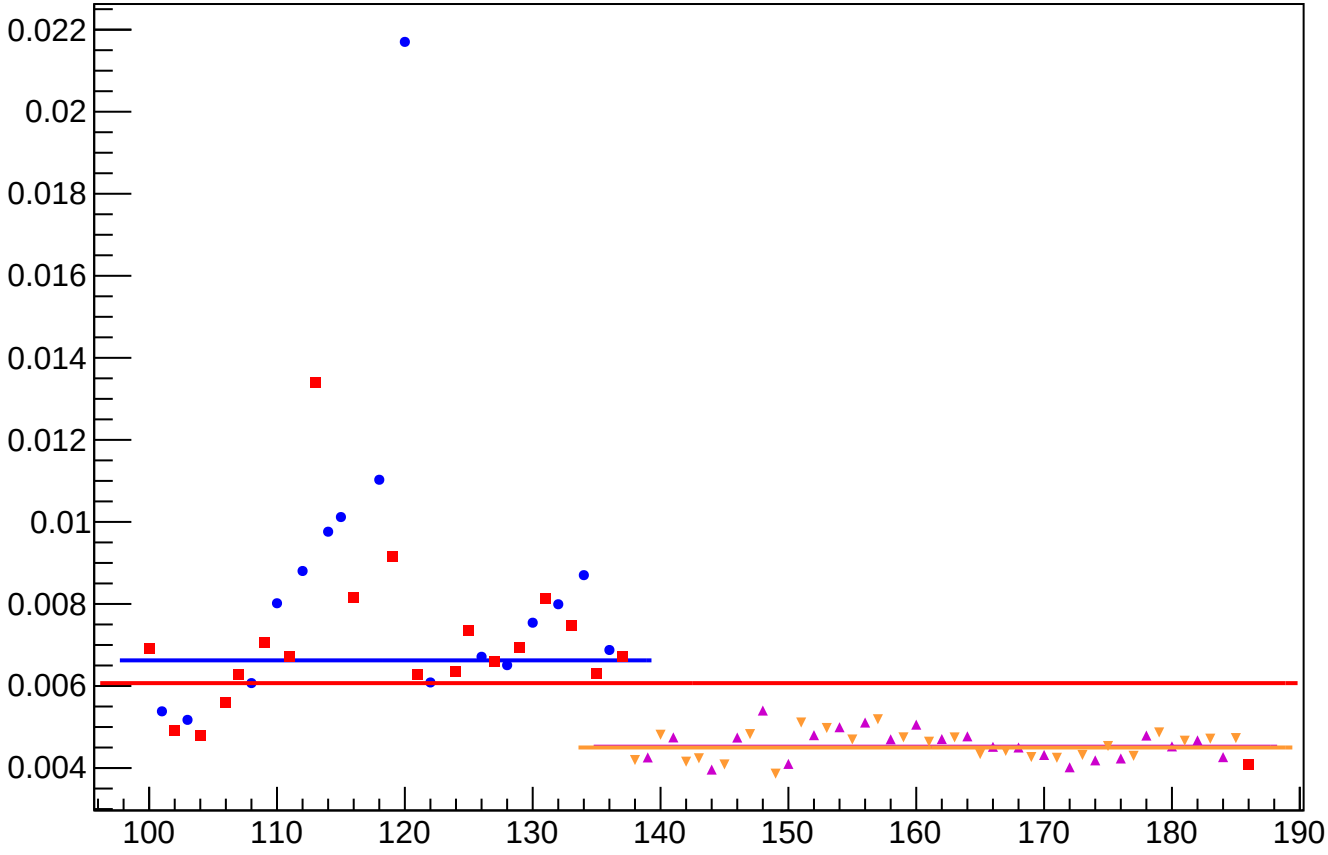
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.573+/-0.000 χ^2/NDF: 144639035269.1/40

All: -0.601+/-0.000 χ^2/NDF: 385296606345.2

- 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: 693783.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

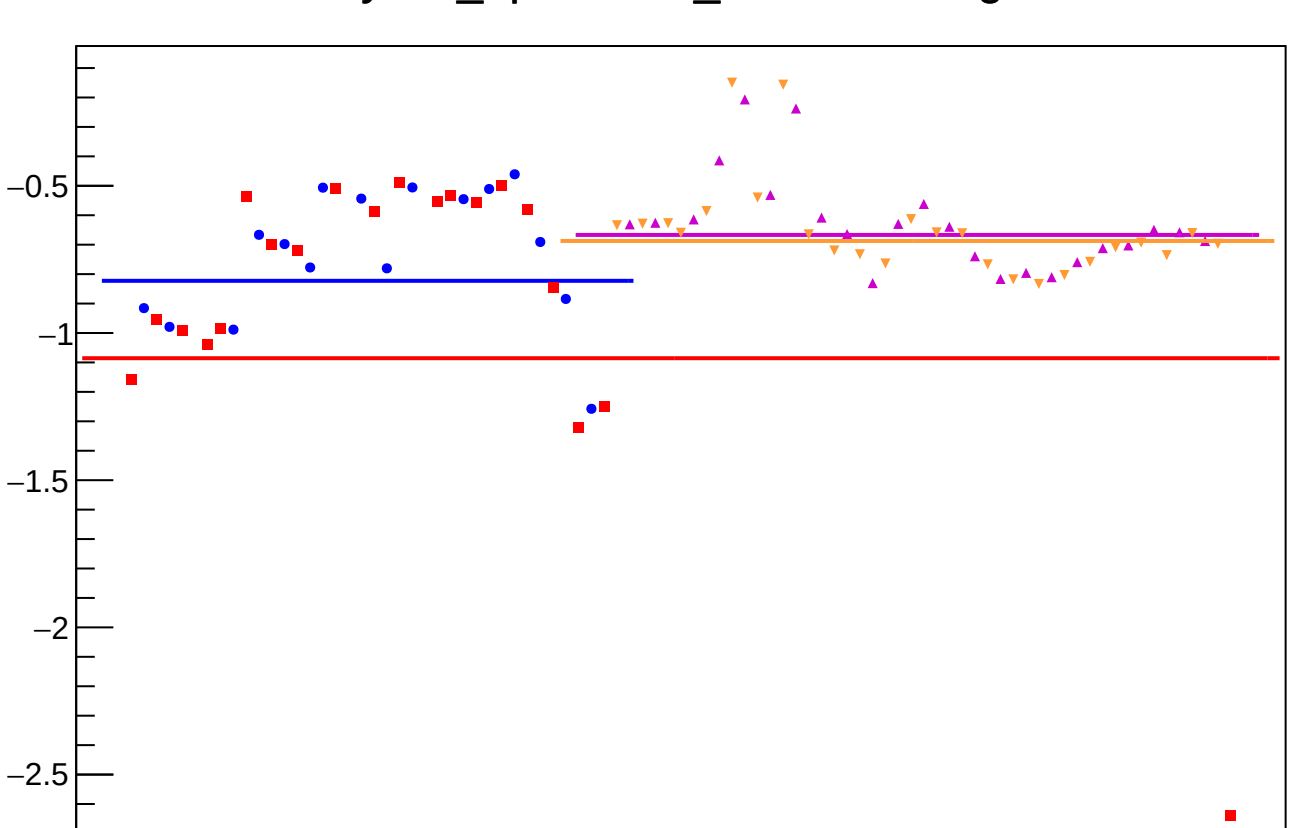
Right Out: 0.006+/-0.000 χ^2/NDF: 716141.9/19

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 1916374.0/40

All: 0.005+/-0.000 χ^2/NDF: 3530392.2/83

- sign 0.005+/-0.000 χ^2/NDF: 1613888.5/42



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.086+/-0.000 χ^2/NDF: 115651195879.2/19

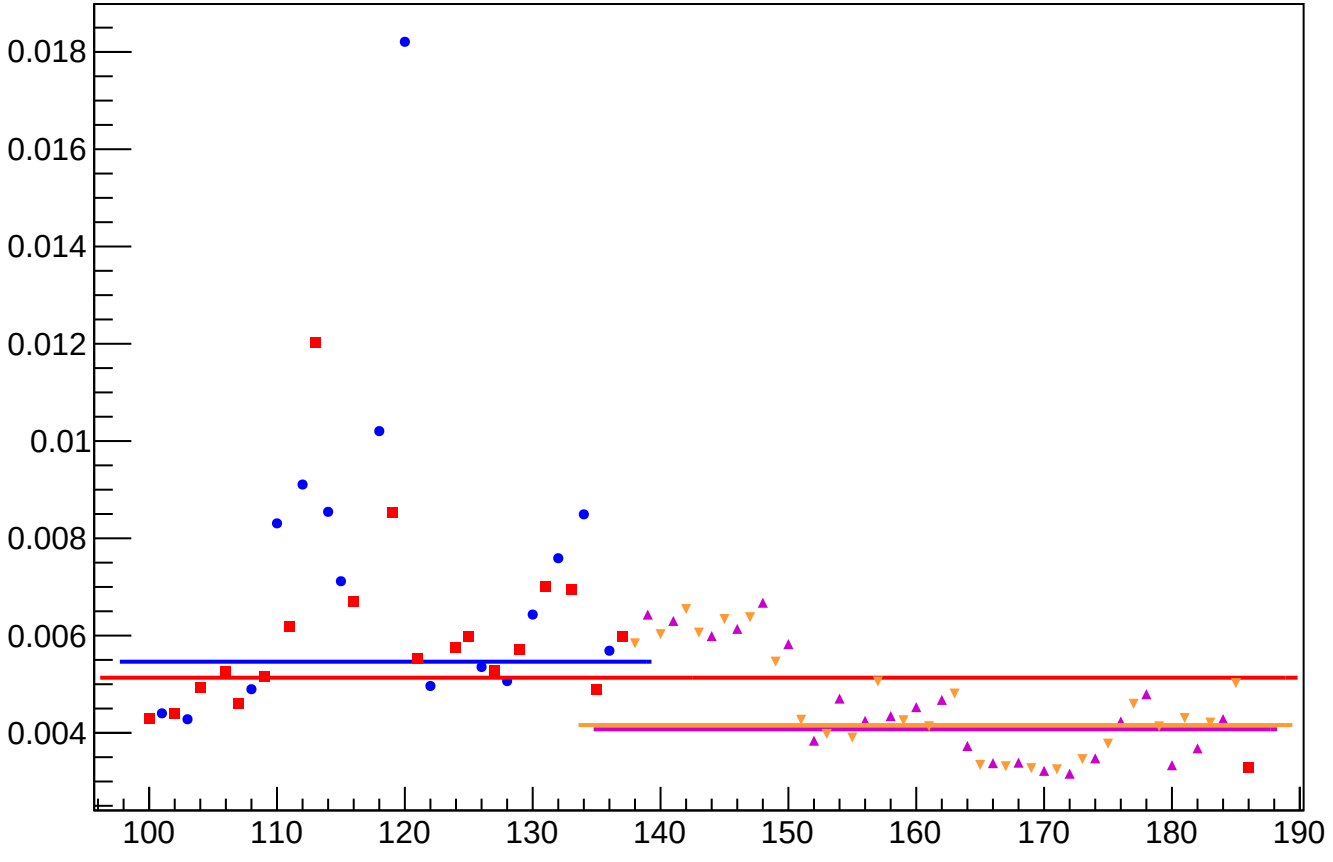
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.709+/-0.000 χ^2/NDF: 37532353448.9/40

All: -0.730+/-0.000 χ^2/NDF: 210010222091.0

- 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: 961483.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.005+/-0.000 χ^2/NDF: 791568.9/19

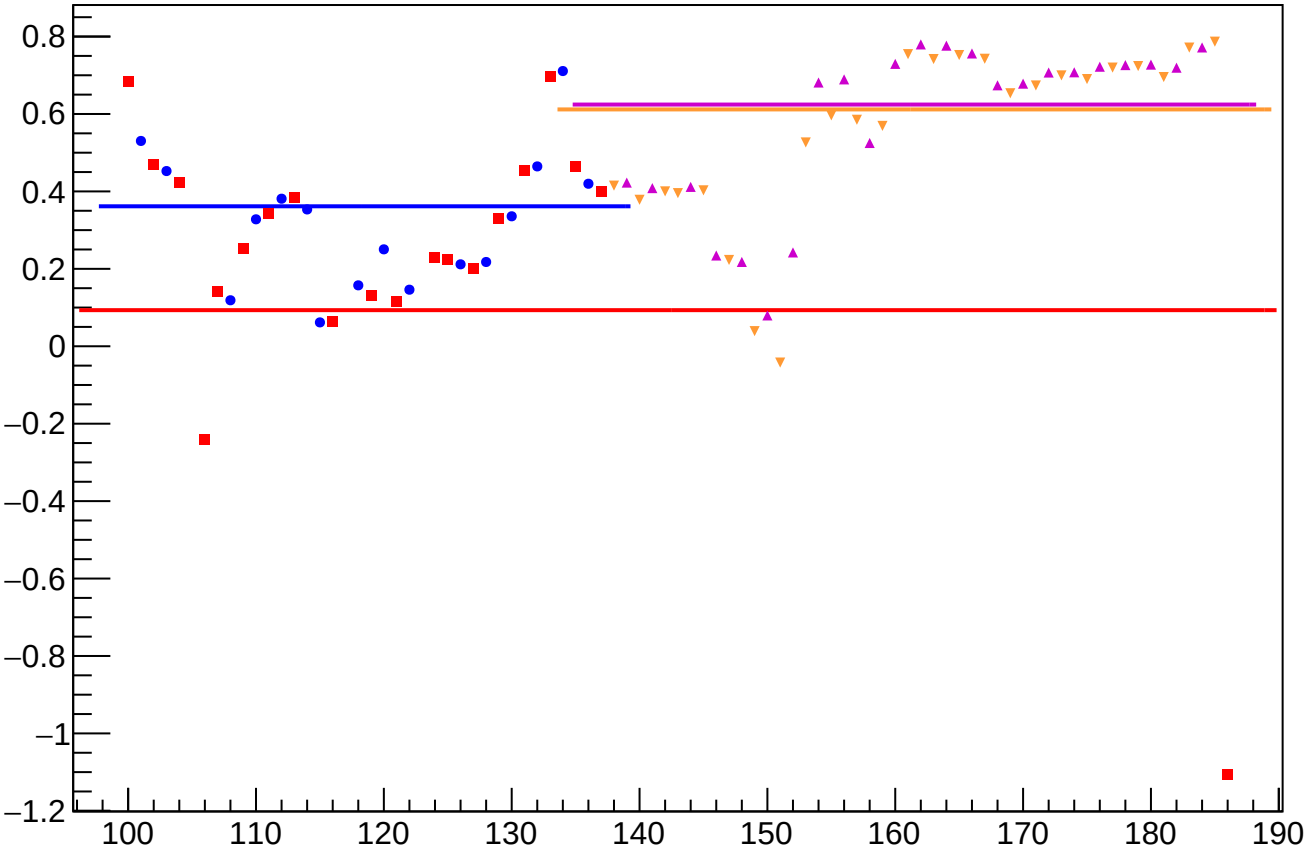
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 3007670.3/40

All: 0.004+/-0.000 χ^2/NDF: 5985640.2/83

- sign 0.004+/-0.000 χ^2/NDF: 2969453.7/42

yield_bpm0i07Y_mean vs Slug



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: 0.093+/-0.000 χ^2/NDF: 156892102184.0/19

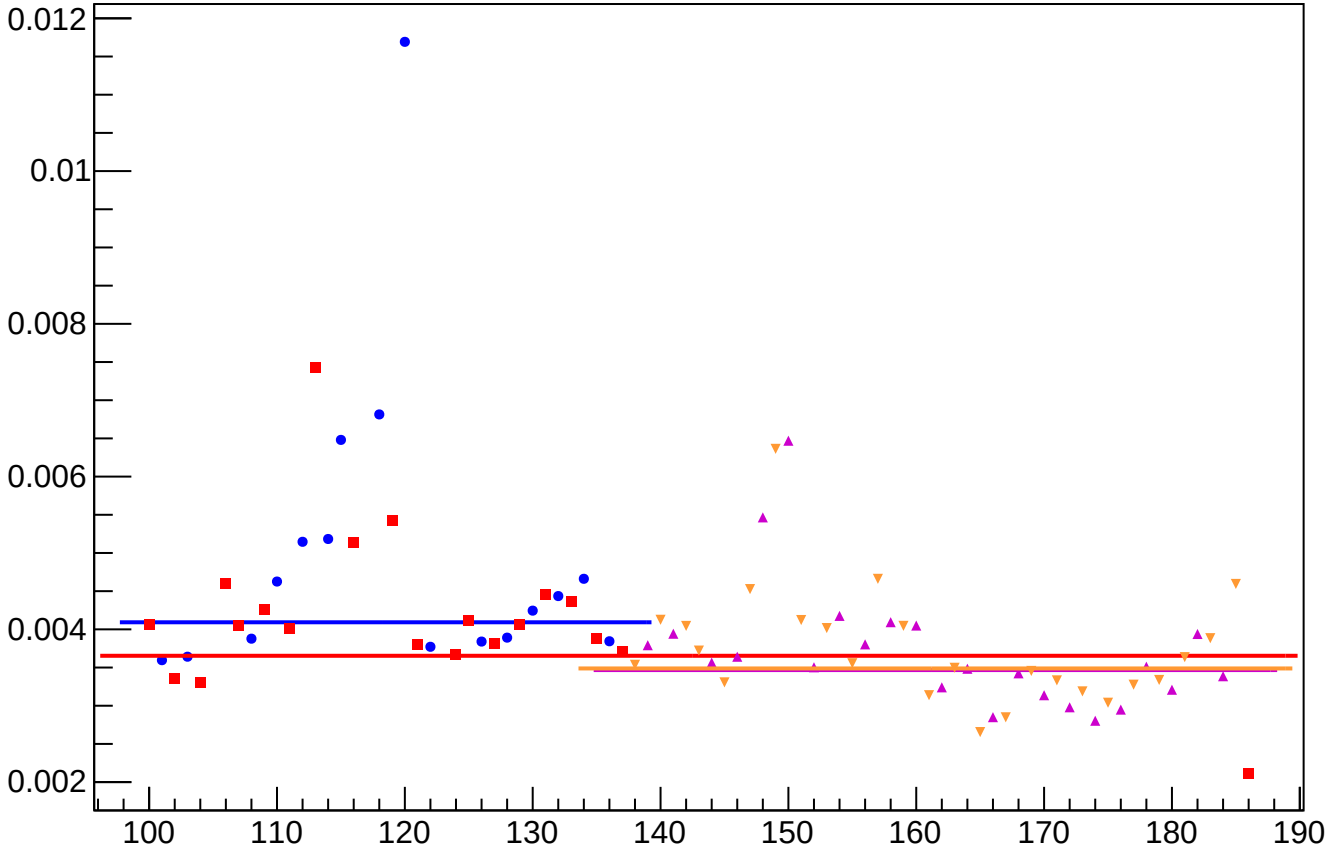
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.557+/-0.000 χ^2/NDF: 72448780408.5/40

All: 0.516+/-0.000 χ^2/NDF: 375041852577.6

- 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: 491748.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

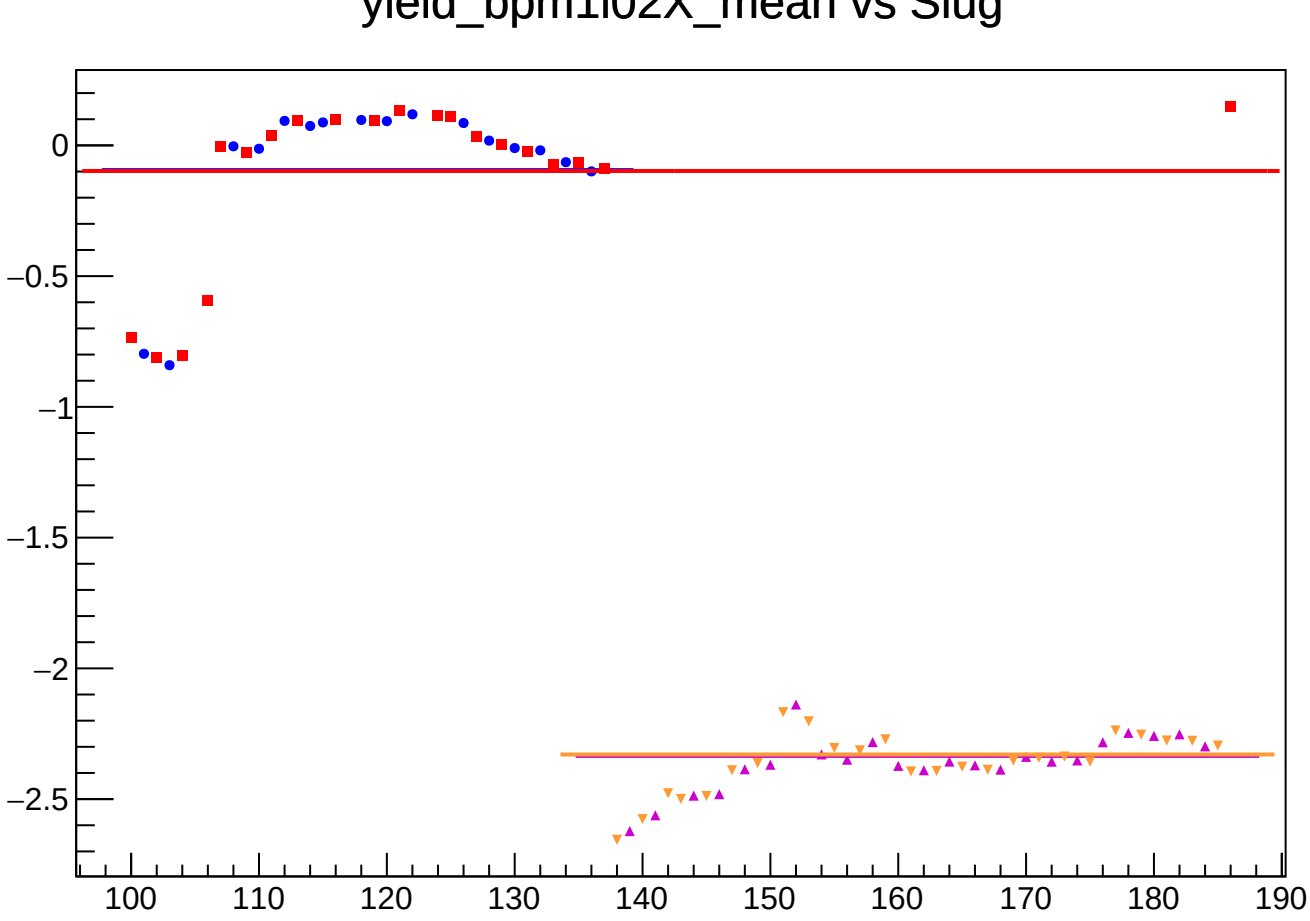
Right Out: 0.004+/-0.000 χ^2/NDF: 792259.2/19

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.004+/-0.000 χ^2/NDF: 1551750.5/40

All: 0.004+/-0.000 χ^2/NDF: 3280143.1/83

- sign 0.004+/-0.000 χ^2/NDF: 1711108.0/42



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.098+/-0.000 χ^2/NDF: 6434200767.5/19

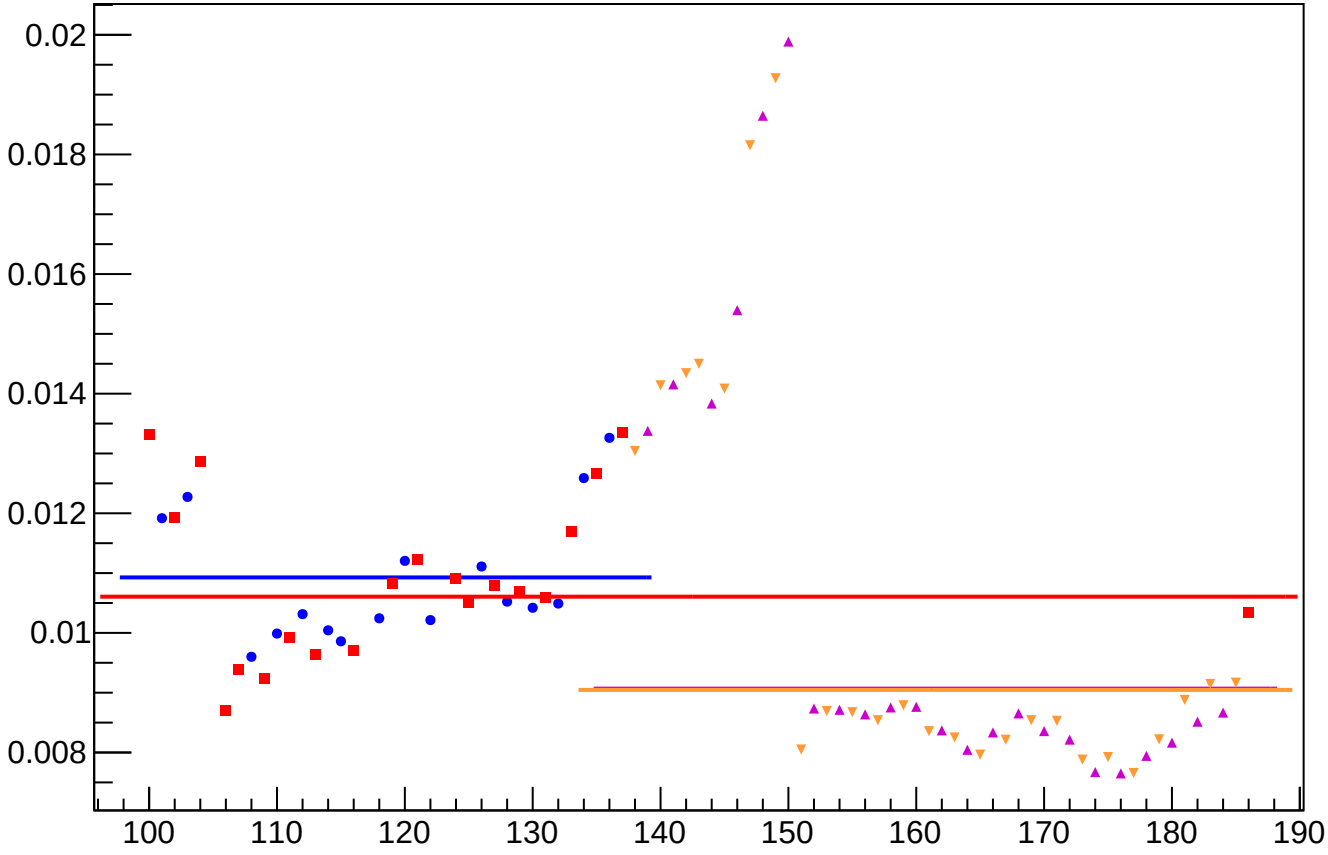
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.856+/-0.000 χ^2/NDF: 242311215851.9/40

All: -1.817+/-0.000 χ^2/NDF: 511149041826.8

- 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: 136478.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

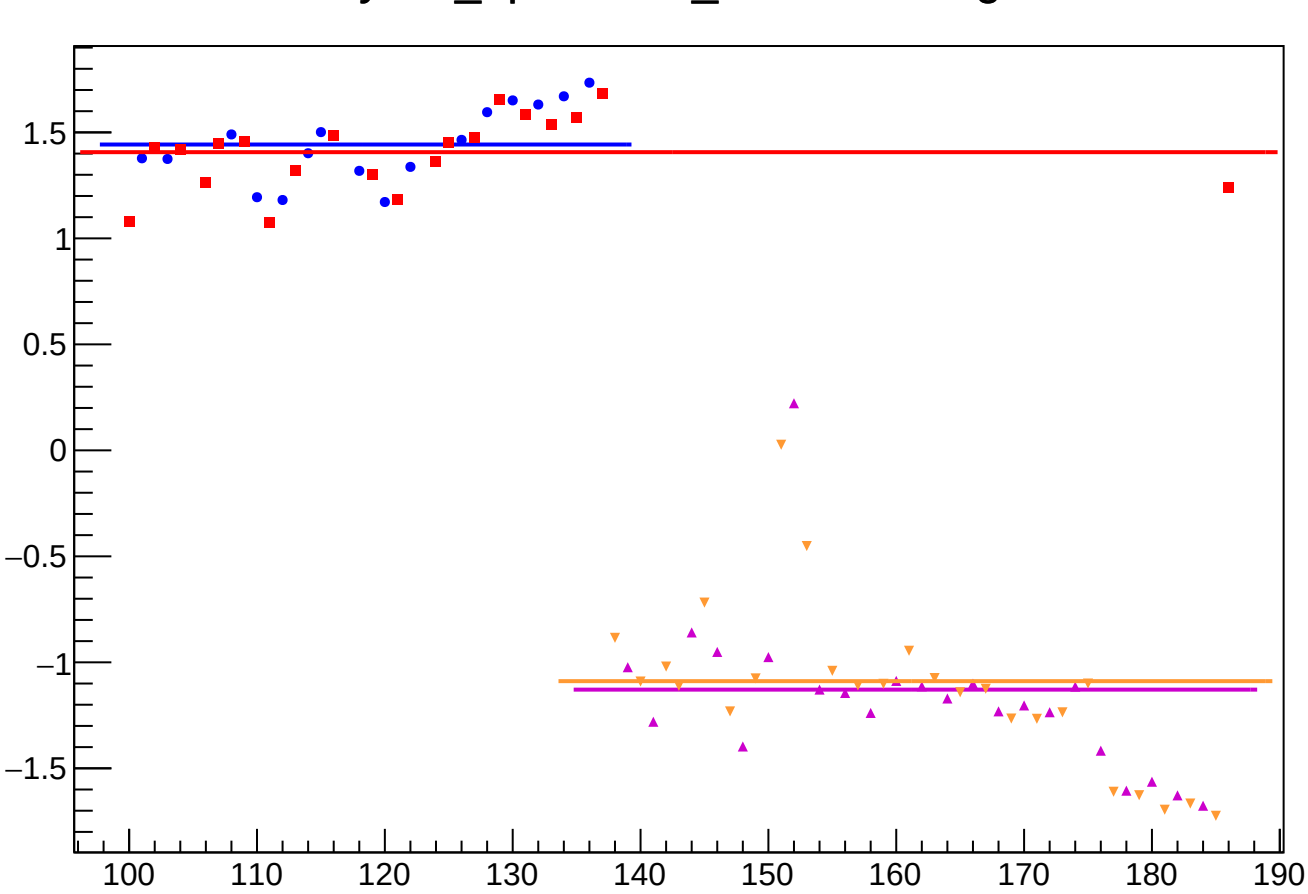
Right Out: 0.011+/-0.000 χ^2/NDF: 191114.5/19

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.009+/-0.000 χ^2/NDF: 2517810.1/40

All: 0.009+/-0.000 χ^2/NDF: 5088736.8/83

- sign 0.009+/-0.000 χ^2/NDF: 2570917.1/42



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.407+/-0.000 χ^2/NDF: 3014628539.6/19

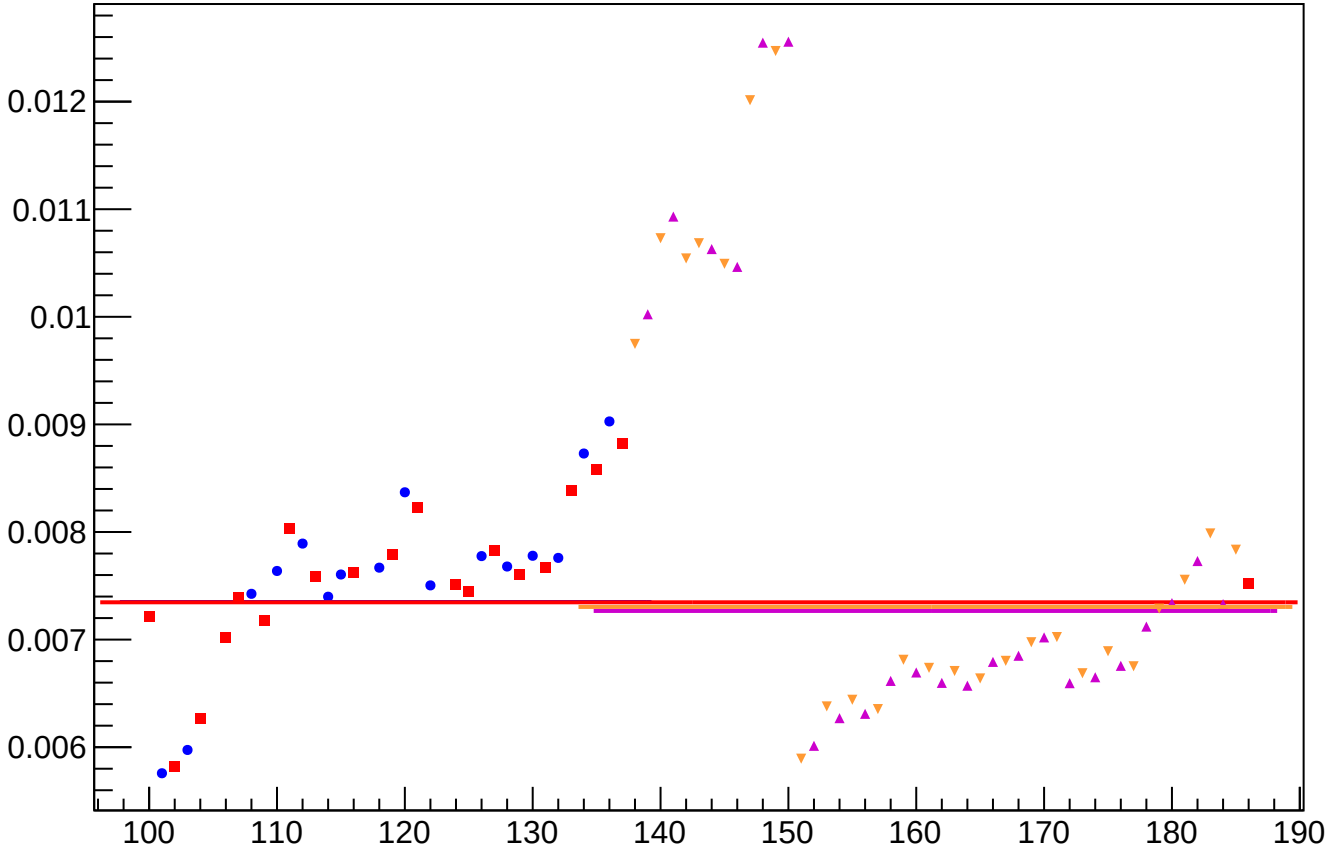
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.395+/-0.000 χ^2/NDF: 673541943185.0/40

All: -0.377+/-0.000 χ^2/NDF: 1381100206085

- 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: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 195833.7/19

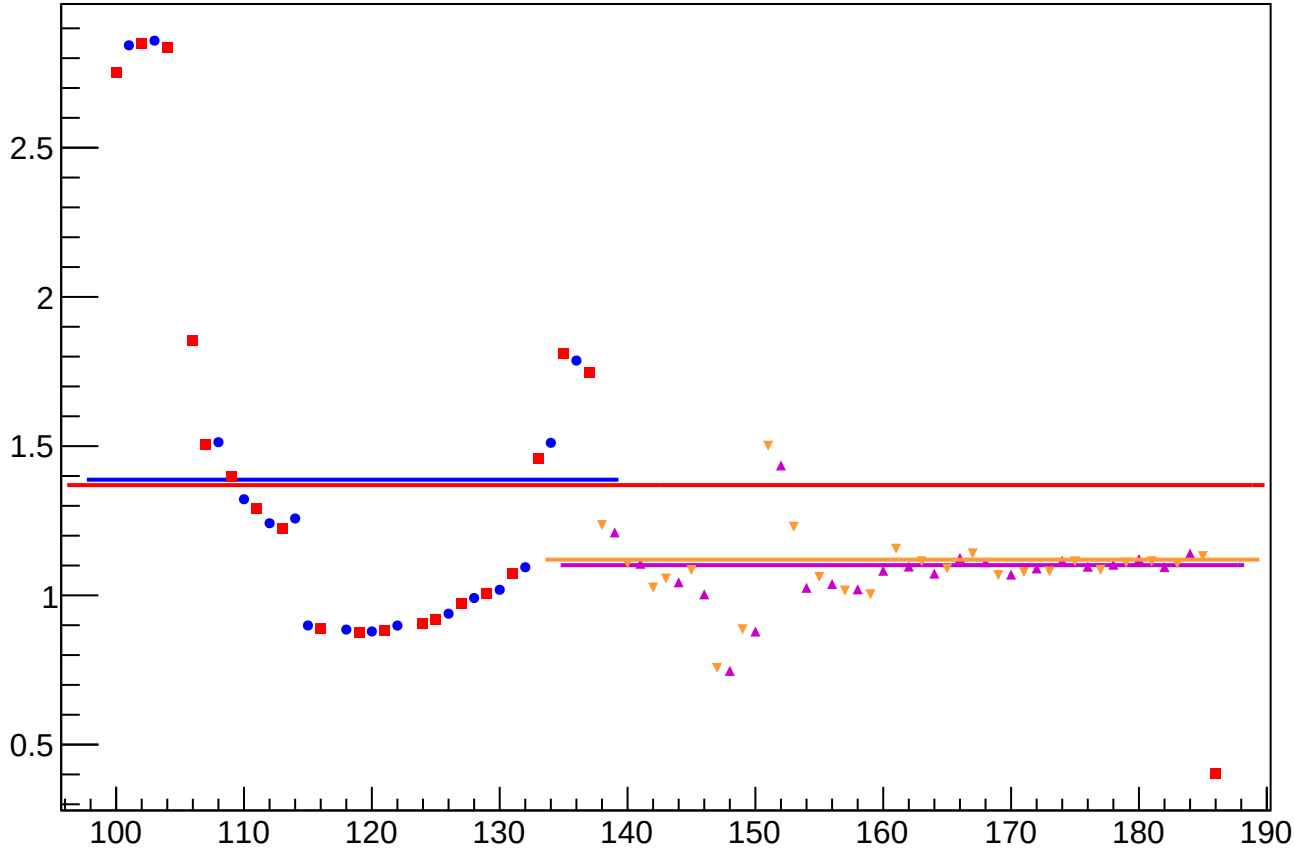
Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1775365.7/40

All: 0.007+/-0.000 χ^2/NDF: 3532894.2/83

- sign 0.007+/-0.000 χ^2/NDF: 1757220.5/42

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.369+/-0.000 χ^2/NDF: 59148508868.6/19

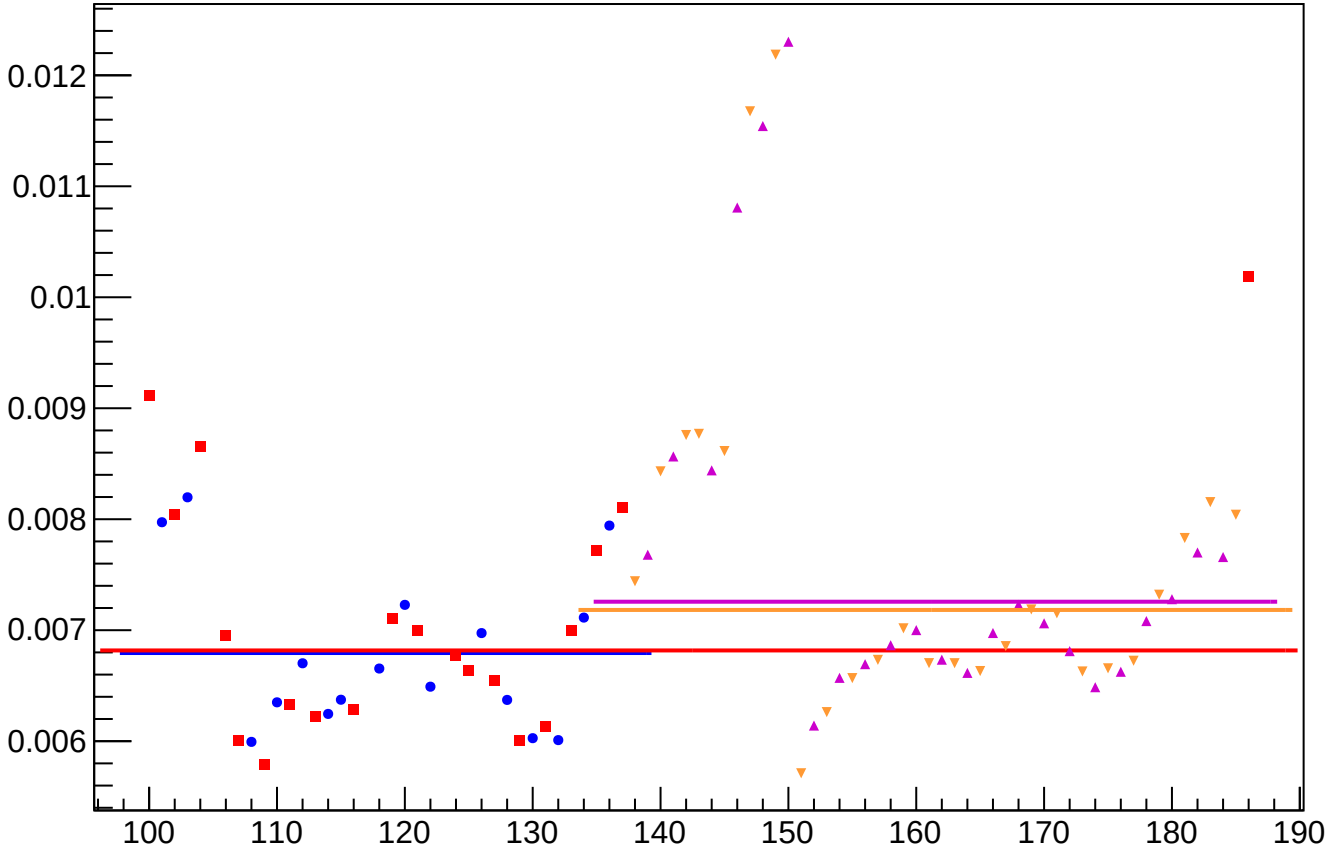
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.200+/-0.000 χ^2/NDF: 71850147977.0/40

All: 1.196+/-0.000 χ^2/NDF: 143187083060.9

- 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: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 290128.4/19

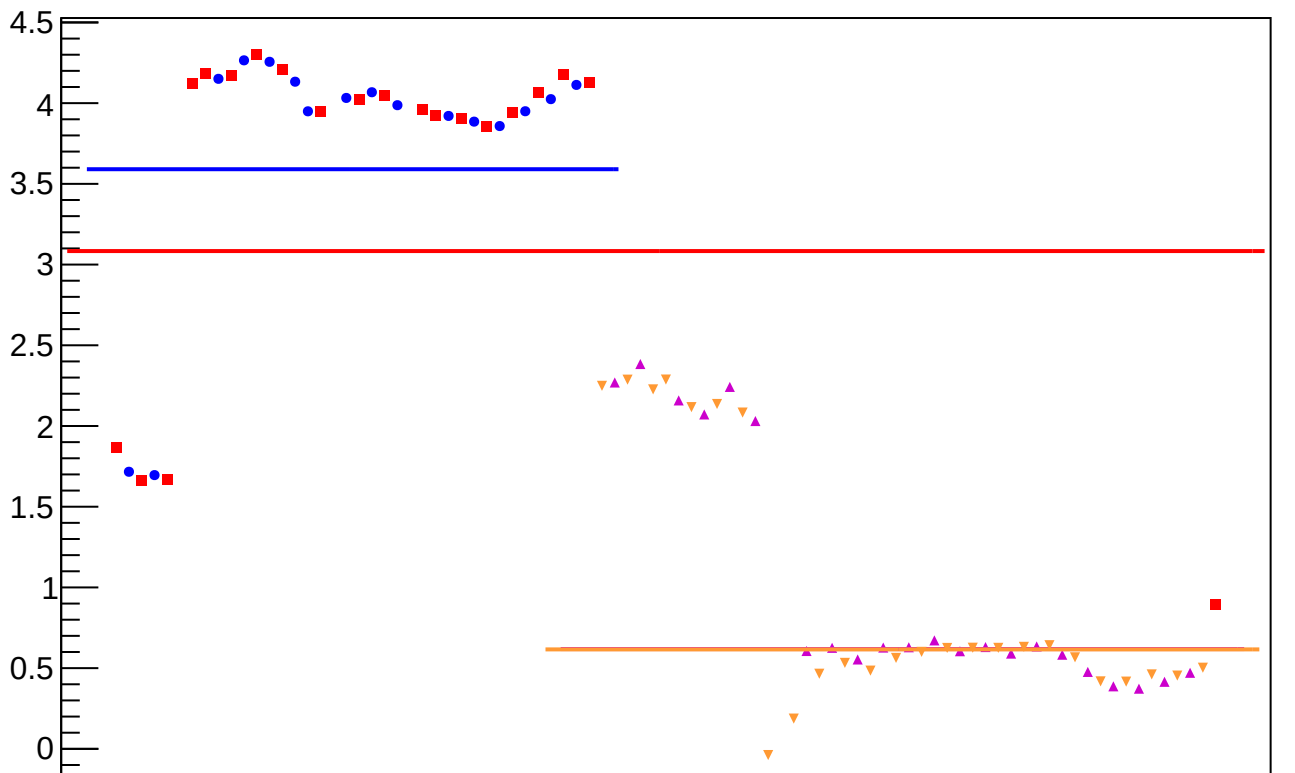
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1090667.8/40

All: 0.007+/-0.000 χ^2/NDF: 2341202.1/83

- sign 0.007+/-0.000 χ^2/NDF: 1249527.0/42

yield_bpm1i04Y_mean vs Slug



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 3.084+/-0.000 χ^2/NDF: 572793041261.4/19

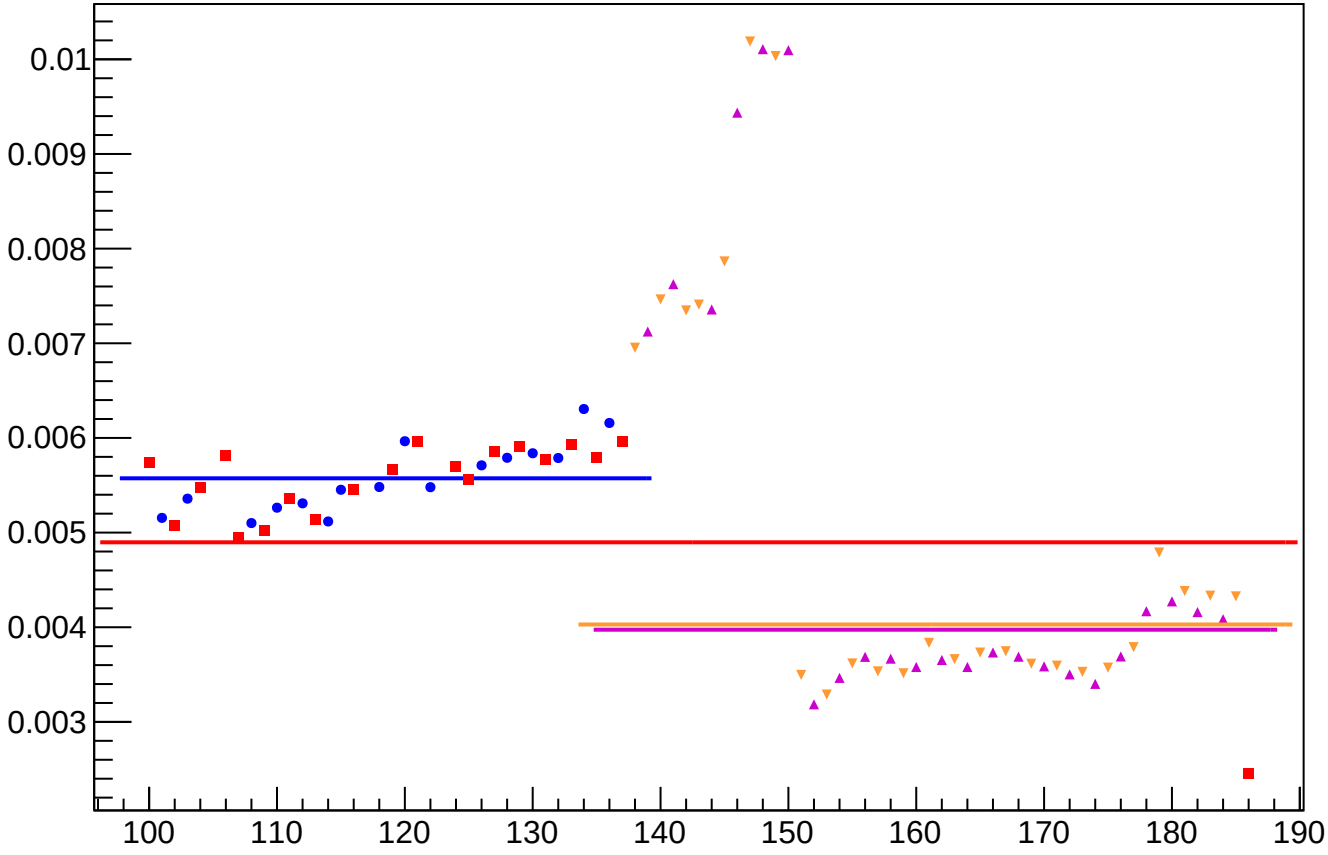
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.149+/-0.000 χ^2/NDF: 2129703616195.9/40

All: 1.163+/-0.000 χ^2/NDF: 4371664939166.

- sign 1.177+/-0.000 χ^2/NDF: 2241463455982.2/42

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

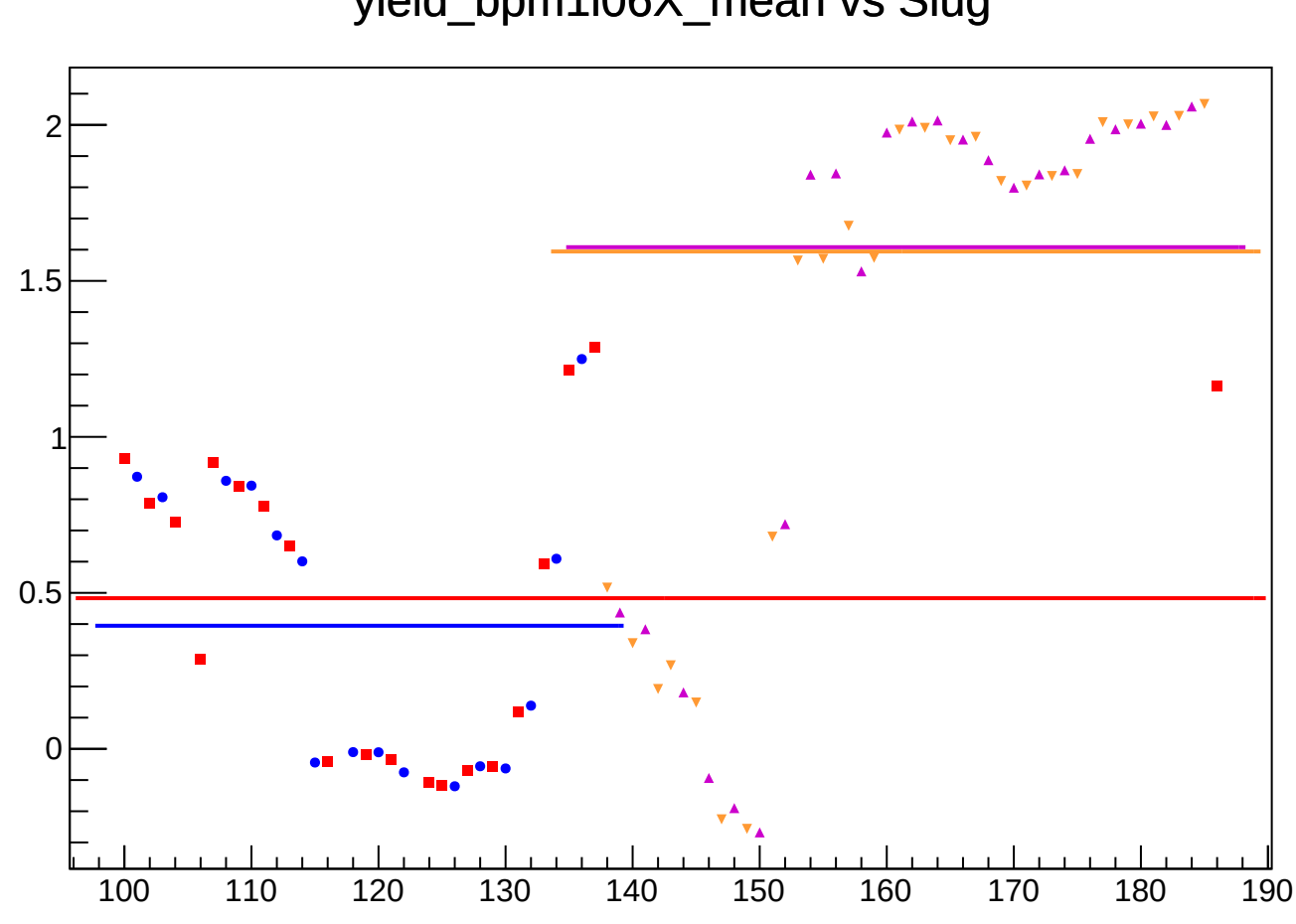
Right Out: 0.005+/-0.000 χ^2/NDF: 953028.0/19

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 3927440.2/40

All: 0.004+/-0.000 χ^2/NDF: 8418988.9/83

- sign 0.004+/-0.000 χ^2/NDF: 4471809.8/42



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 0.483+/-0.000 χ^2/NDF: 8438055212.1/19

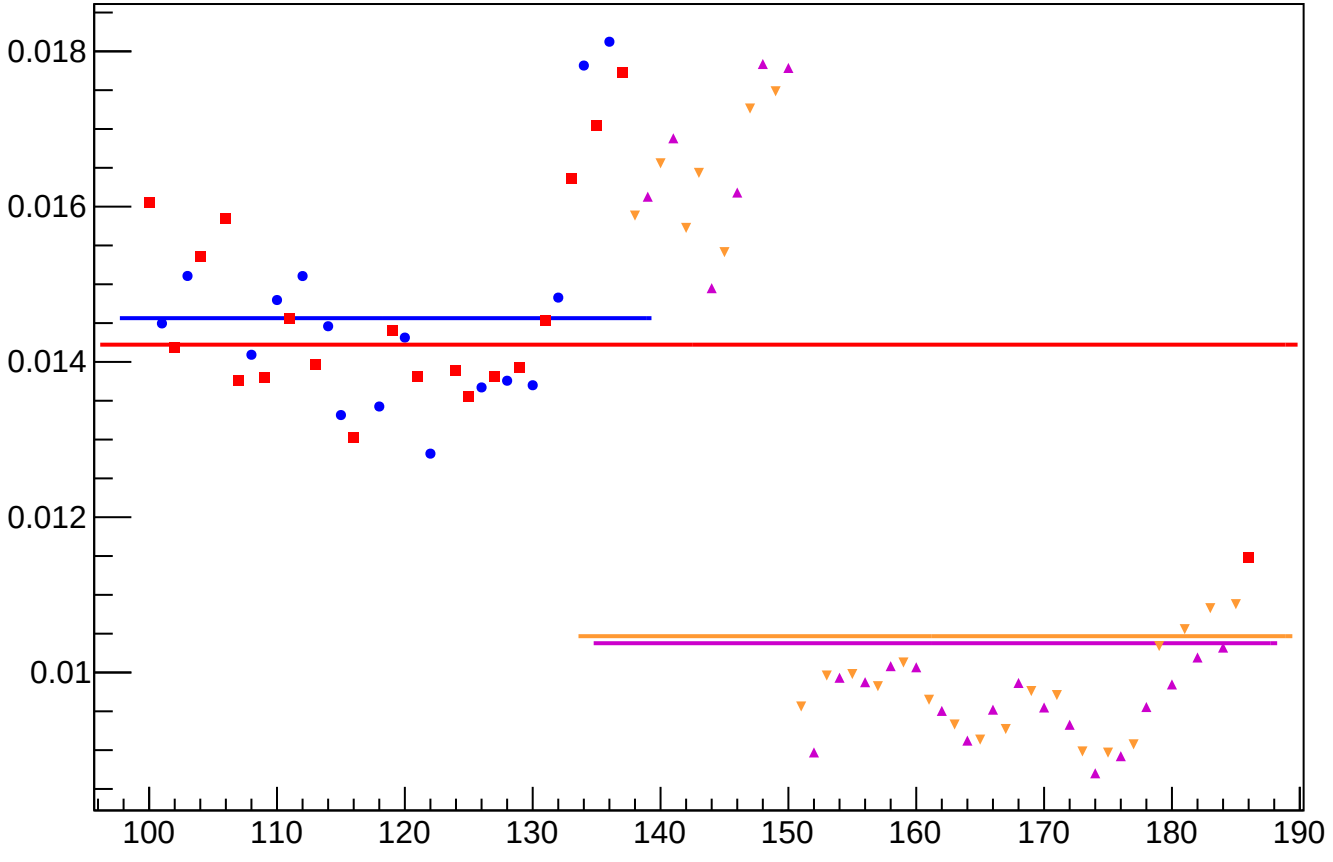
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.394+/-0.000 χ^2/NDF: 110150280720.8/40

All: 1.394+/-0.000 χ^2/NDF: 223791464073.3

- sign 1.393+/-0.000 χ^2/NDF: 113641157655.4/42

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

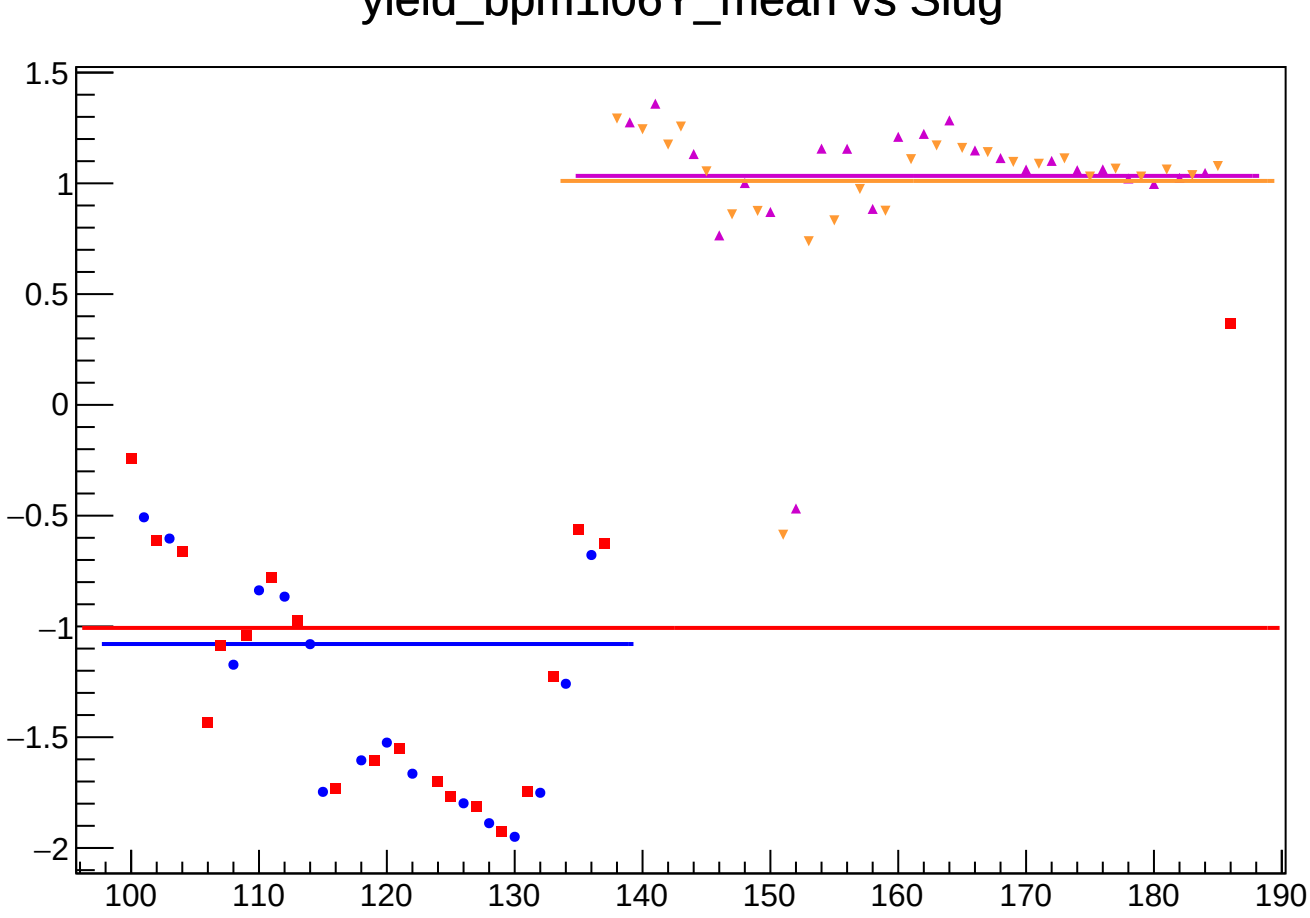
Right Out: 0.014+/-0.000 χ^2/NDF: 127389.5/19

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2729435.5/40

All: 0.011+/-0.000 χ^2/NDF: 5474095.6/83

- sign 0.011+/-0.000 χ^2/NDF: 2744326.3/42



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -1.007+/-0.000 χ^2/NDF: 66045691754.4/19

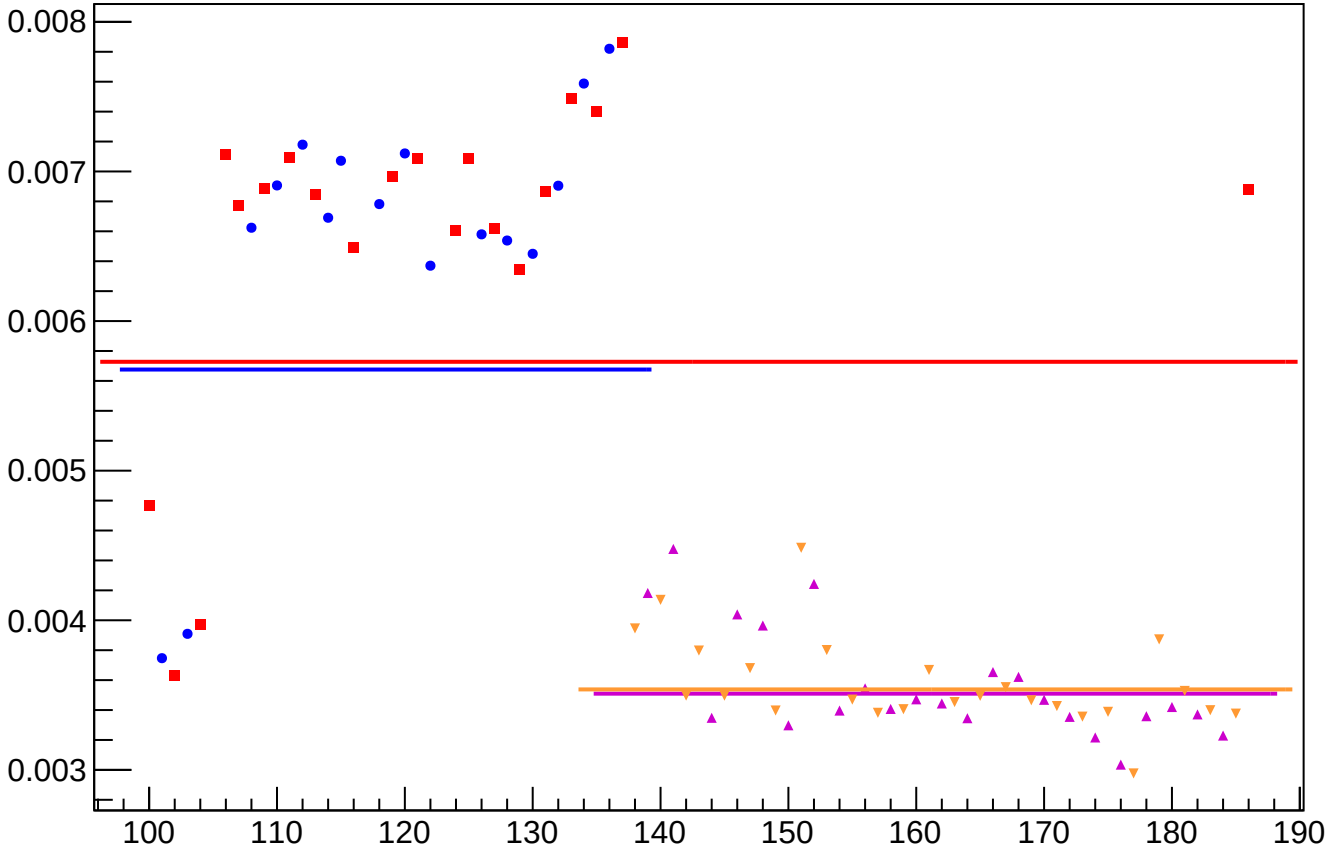
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.753+/-0.000 χ^2/NDF: 927974442802.7/40

All: 0.757+/-0.000 χ^2/NDF: 1869485033302.

- 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: 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1003197.0/19

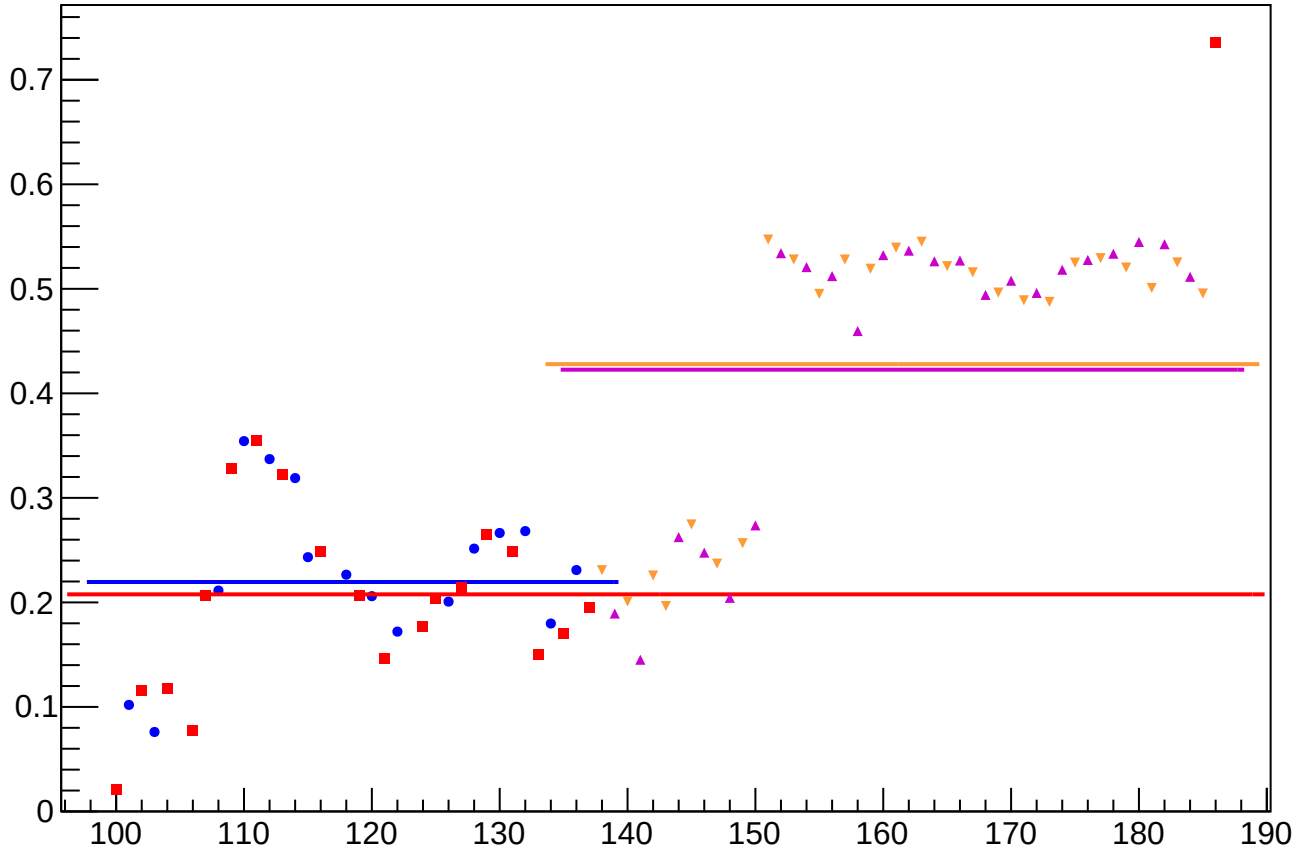
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 2744770.8/40

All: 0.004+/-0.000 χ^2/NDF: 5806009.0/83

- sign 0.004+/-0.000 χ^2/NDF: 3061198.0/42

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.208+/-0.000 χ^2/NDF: 28684003700.4/19

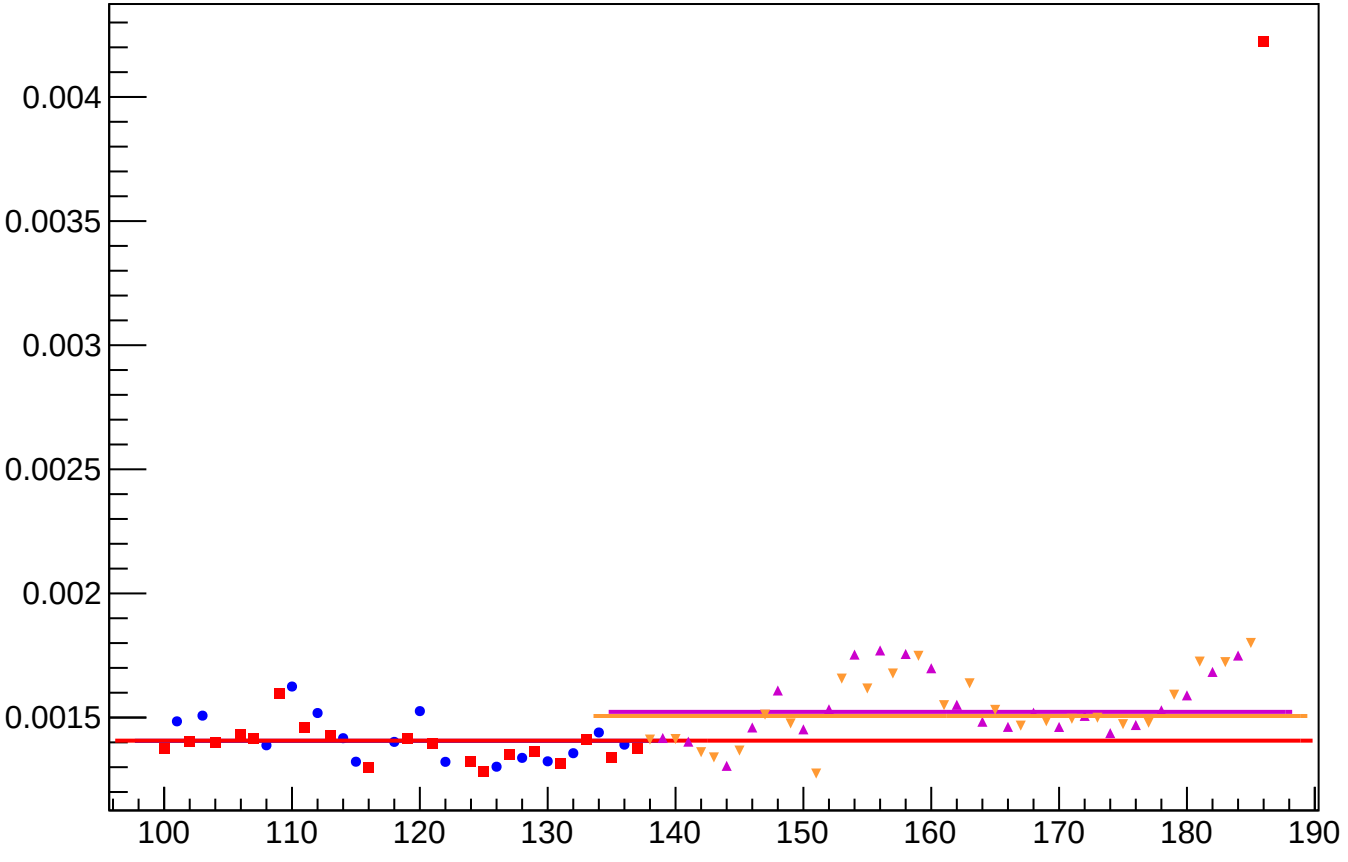
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.366+/-0.000 χ^2/NDF: 278041888439.3/40

All: 0.359+/-0.000 χ^2/NDF: 584273088451.1

- 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: 48200.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

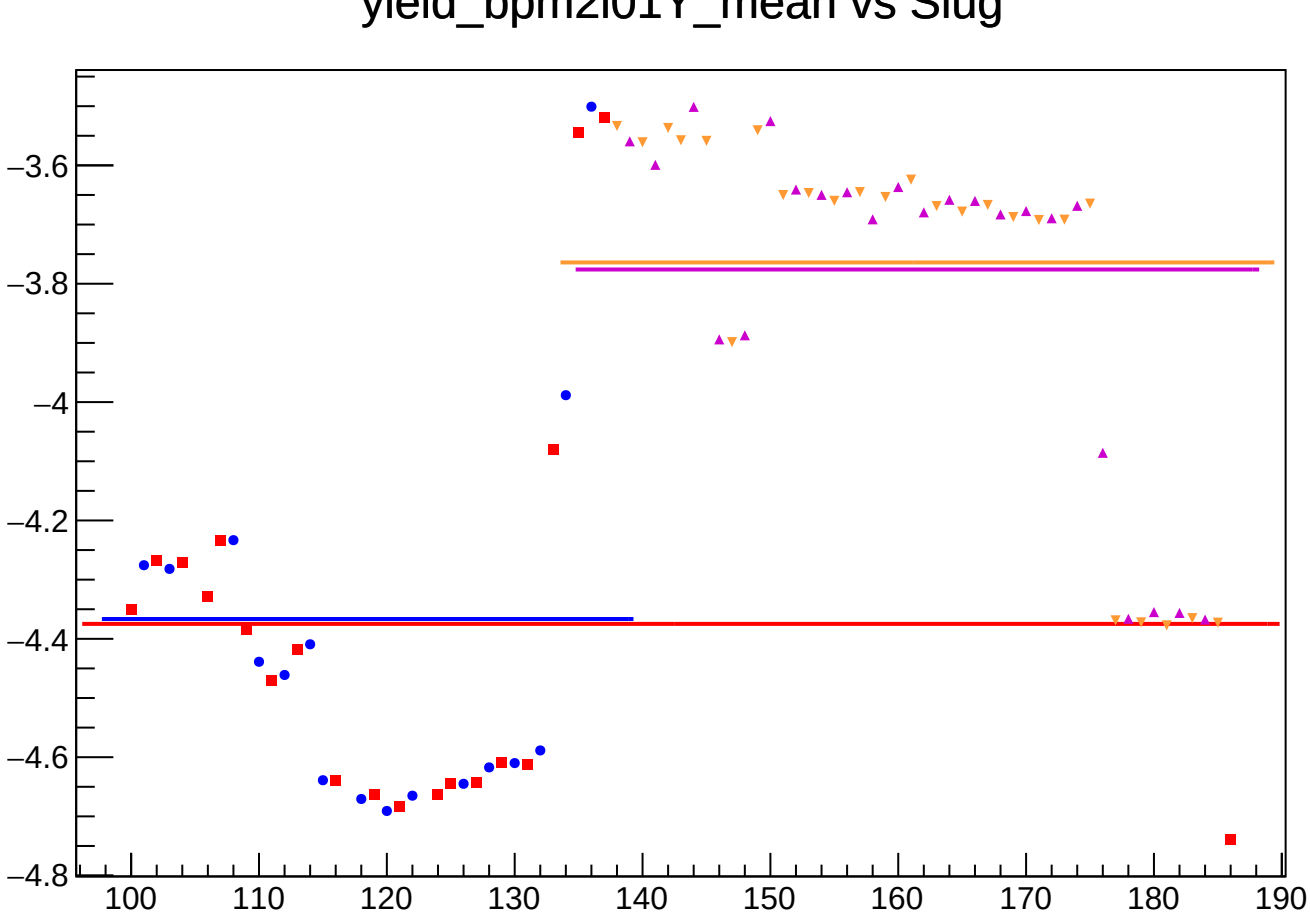
Right Out: 0.001+/-0.000 χ^2/NDF: 396936.8/19

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 376597.5/40

All: 0.001+/-0.000 χ^2/NDF: 1077736.6/83

- sign 0.001+/-0.000 χ^2/NDF: 700412.6/42



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.375+/-0.000 χ^2/NDF: 301016249524.2/19

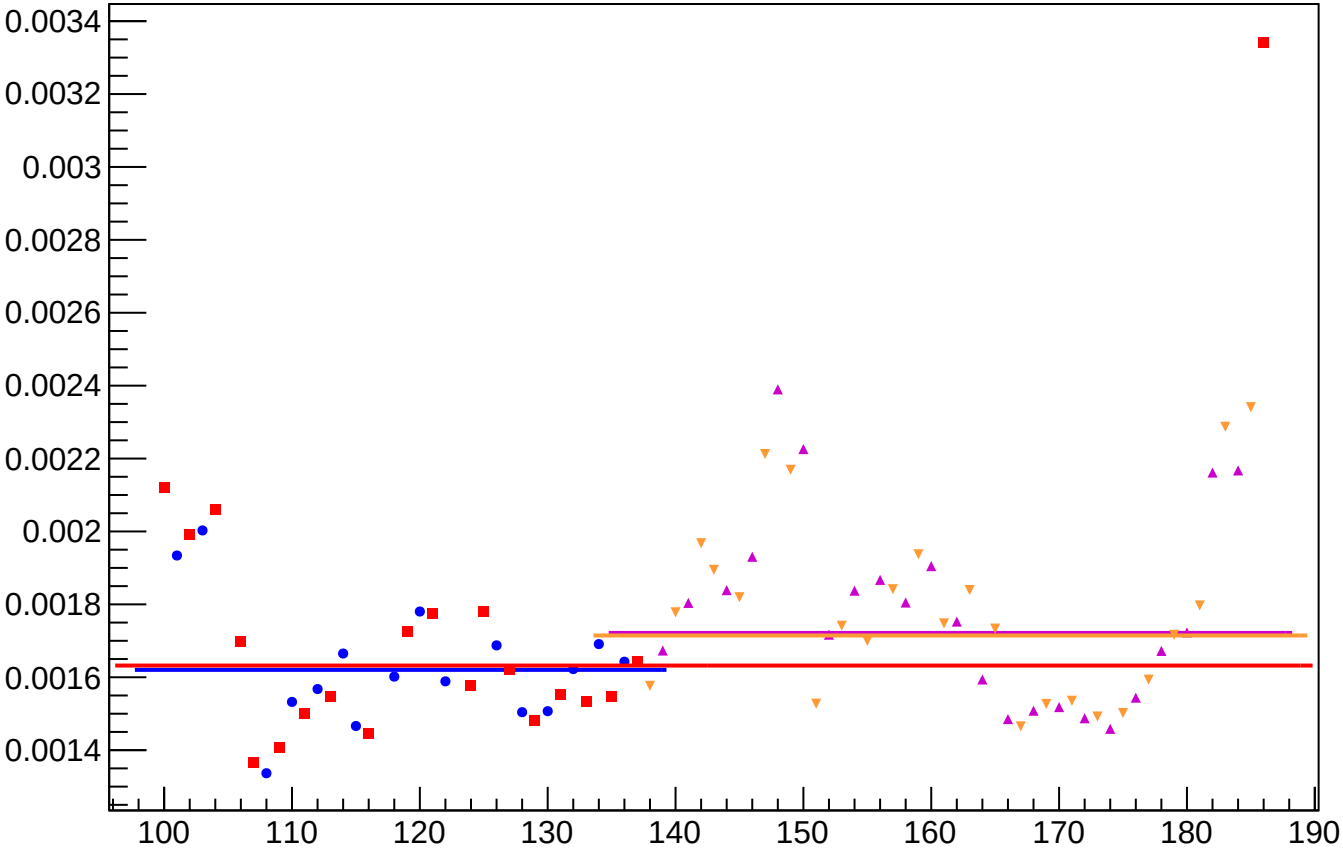
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.941+/-0.000 χ^2/NDF: 1508130964195.1/4

All: -3.954+/-0.000 χ^2/NDF: 2894103519007

- 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: 140216.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 399554.7/19

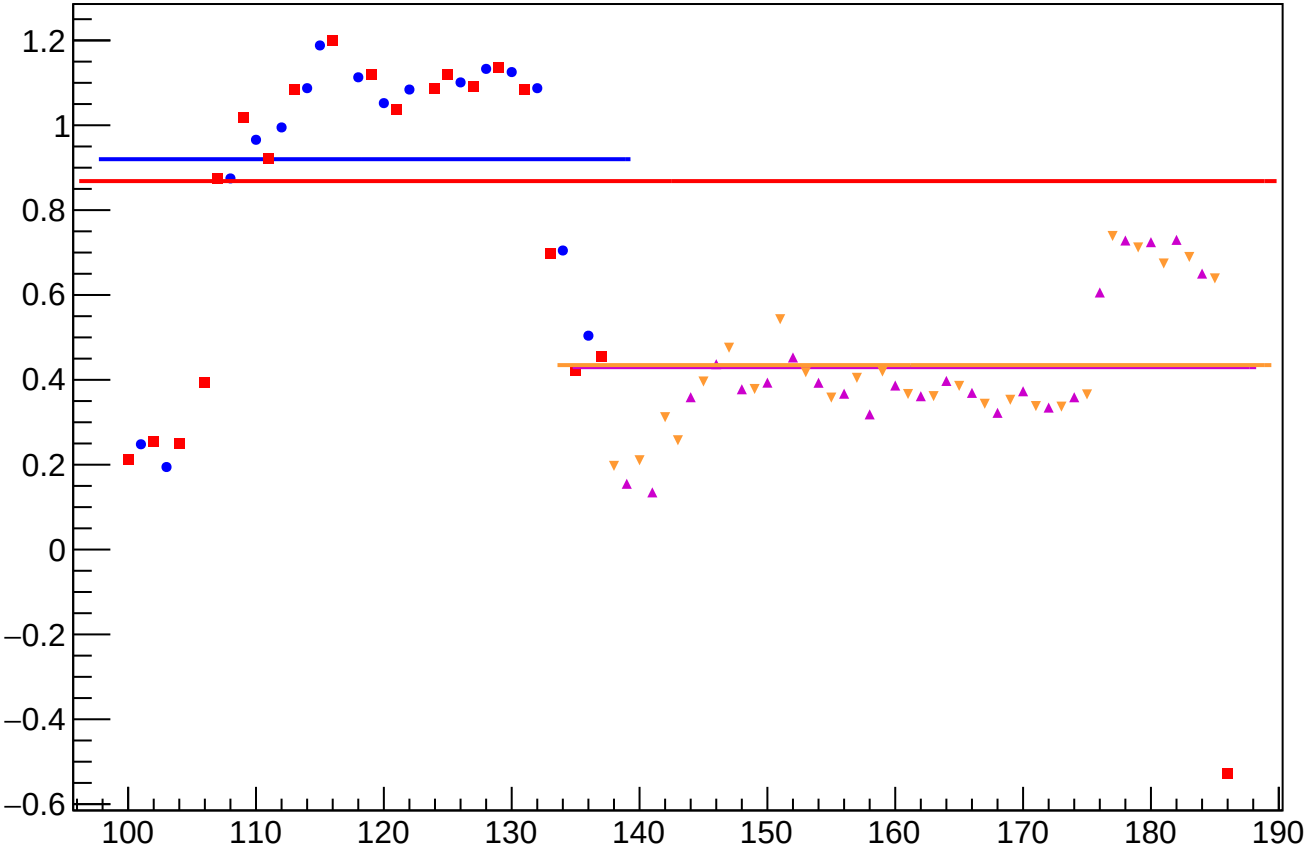
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 735491.3/40

All: 0.002+/-0.000 χ^2/NDF: 1747610.1/83

- sign 0.002+/-0.000 χ^2/NDF: 1011789.6/42

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.868+/-0.000 χ^2/NDF: 24477448189.2/19

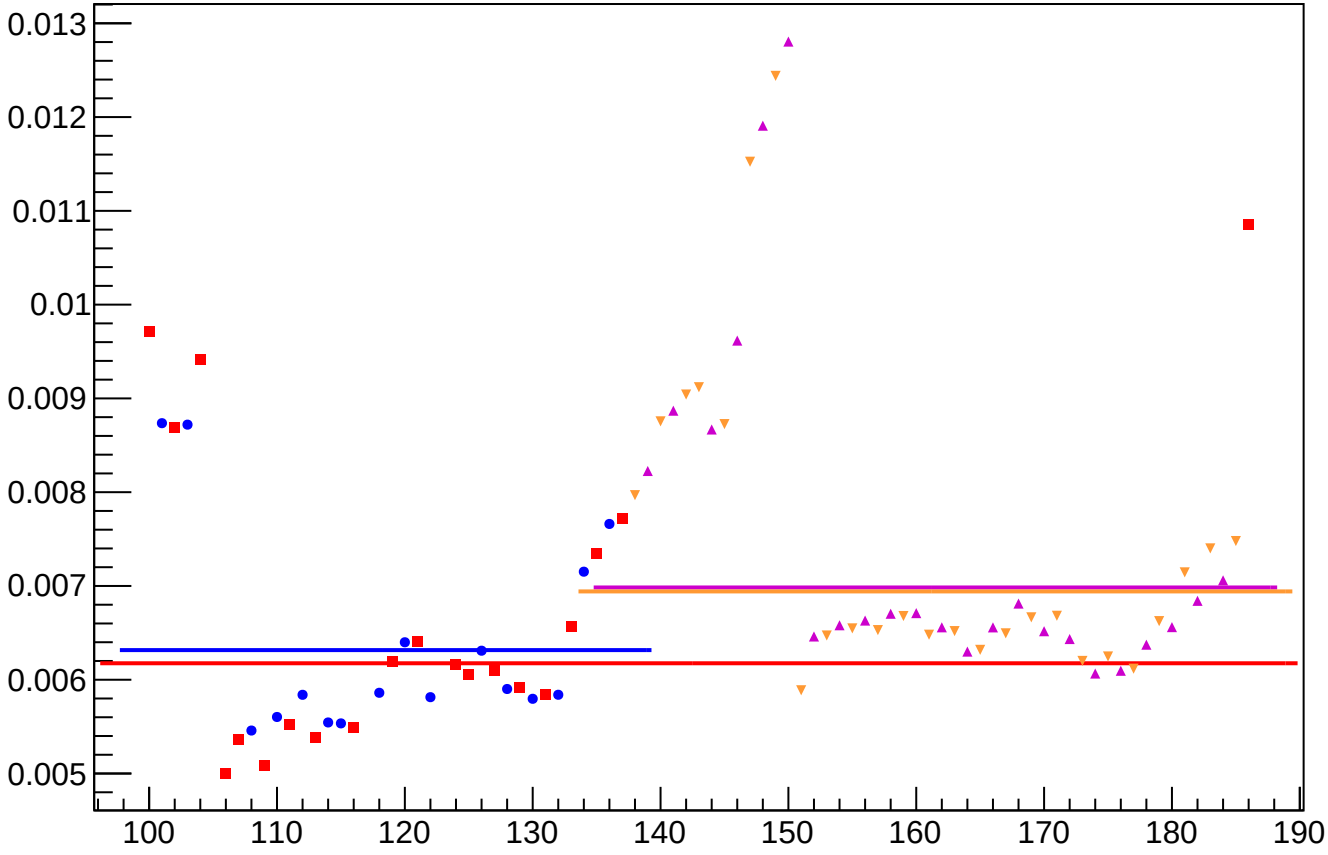
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.586+/-0.000 χ^2/NDF: 51566647791.8/40

All: 0.586+/-0.000 χ^2/NDF: 109769334719.3

- 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: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

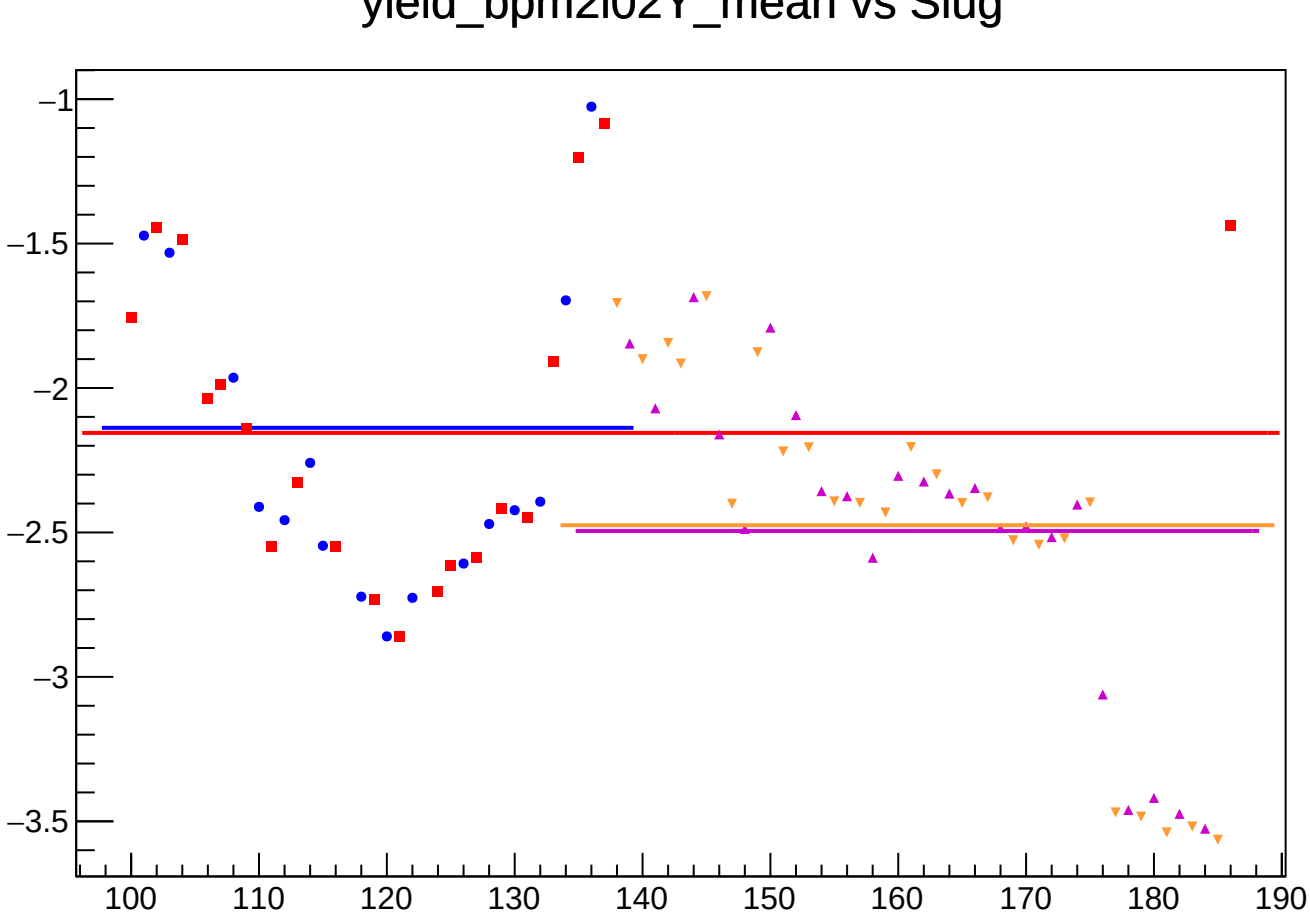
Right Out: 0.006+/-0.000 χ^2/NDF: 589471.5/19

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 1521335.9/40

All: 0.007+/-0.000 χ^2/NDF: 3416378.0/83

- sign 0.007+/-0.000 χ^2/NDF: 1893680.0/42



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -2.155+/-0.000 χ^2/NDF: 59666612576.2/19

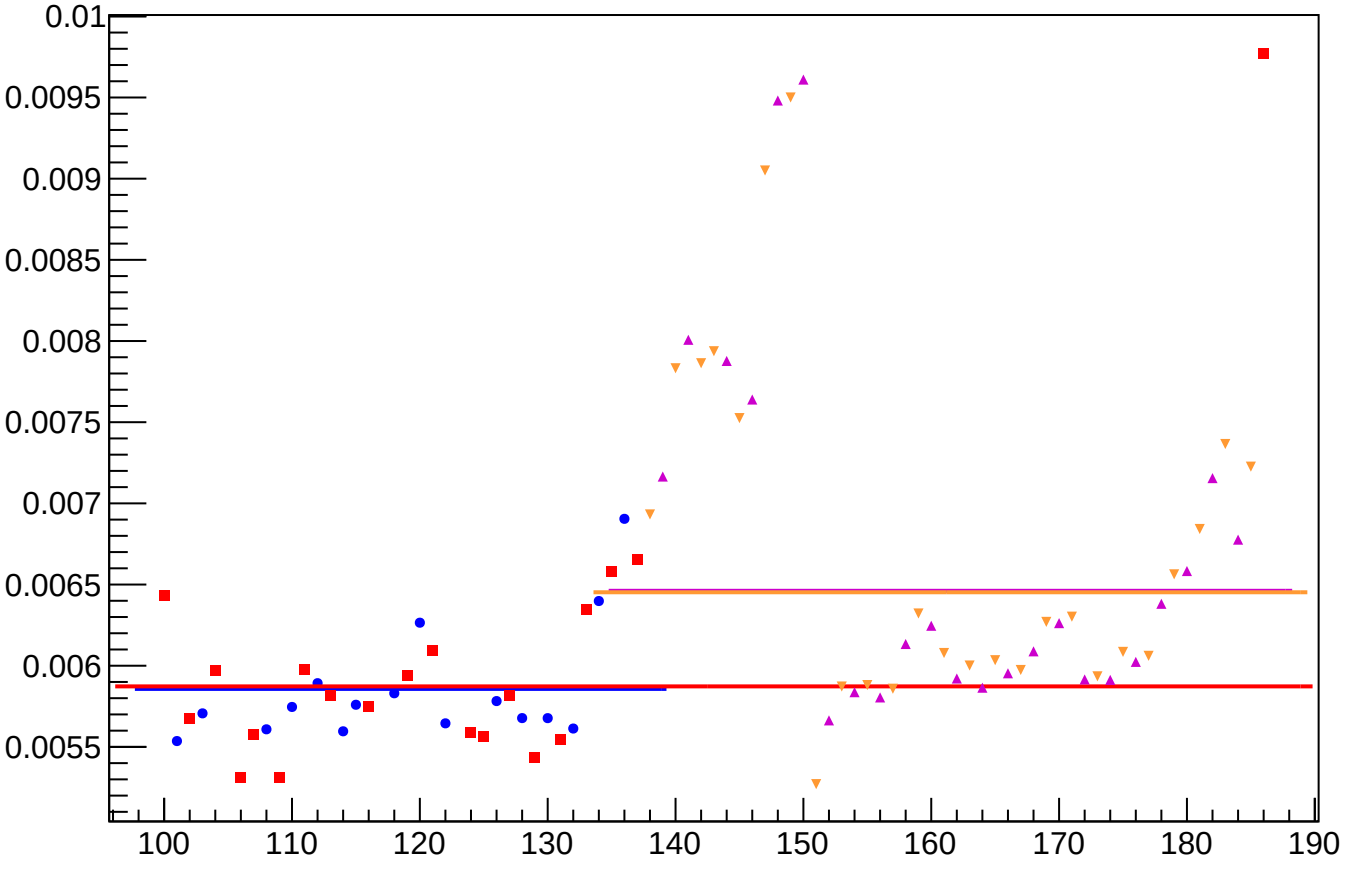
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.369+/-0.000 χ^2/NDF: 204922515056.3/40

All: -2.373+/-0.000 χ^2/NDF: 378455436627.6

- 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: 61946.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

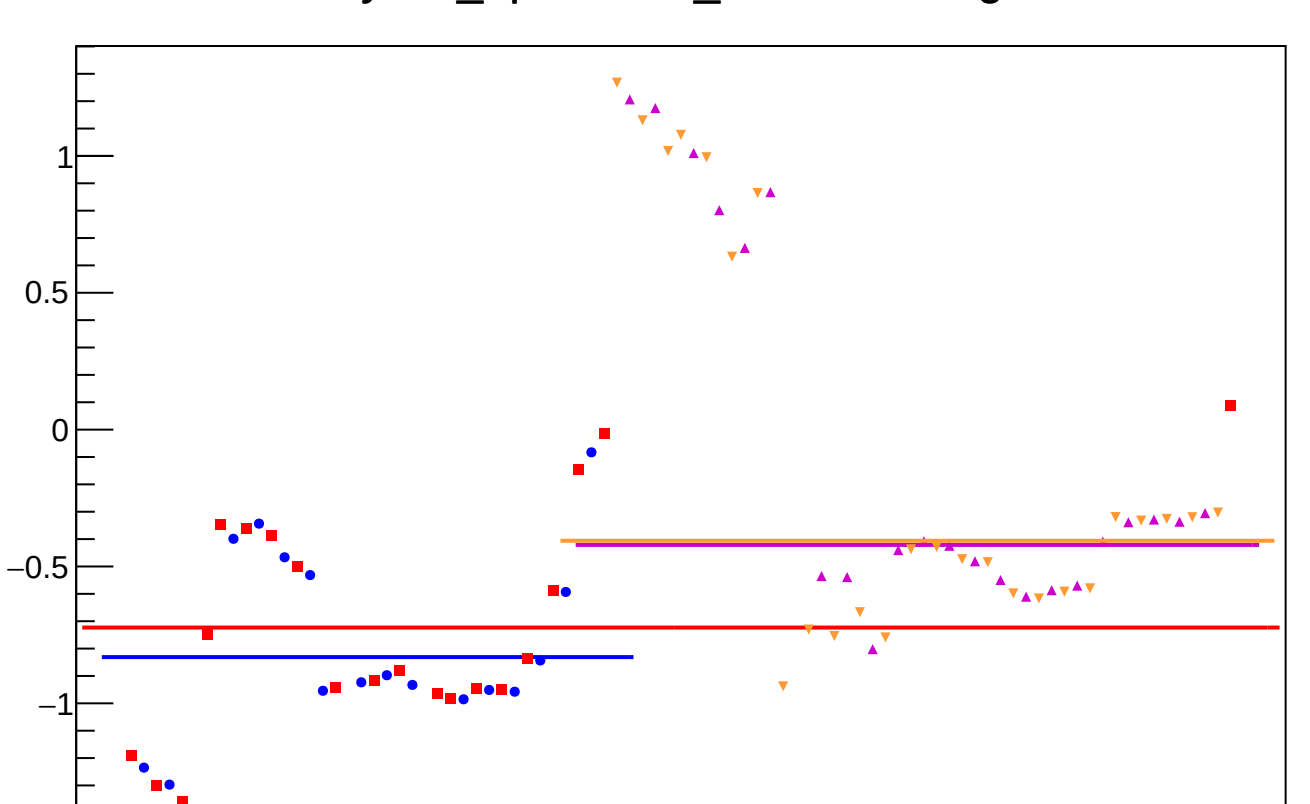
Right Out: 0.006+/-0.000 χ^2/NDF: 189164.5/19

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 876822.1/40

All: 0.006+/-0.000 χ^2/NDF: 1889319.9/83

- sign 0.006+/-0.000 χ^2/NDF: 1012471.6/42



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.723+/-0.000 χ^2/NDF: 12921207905.1/19

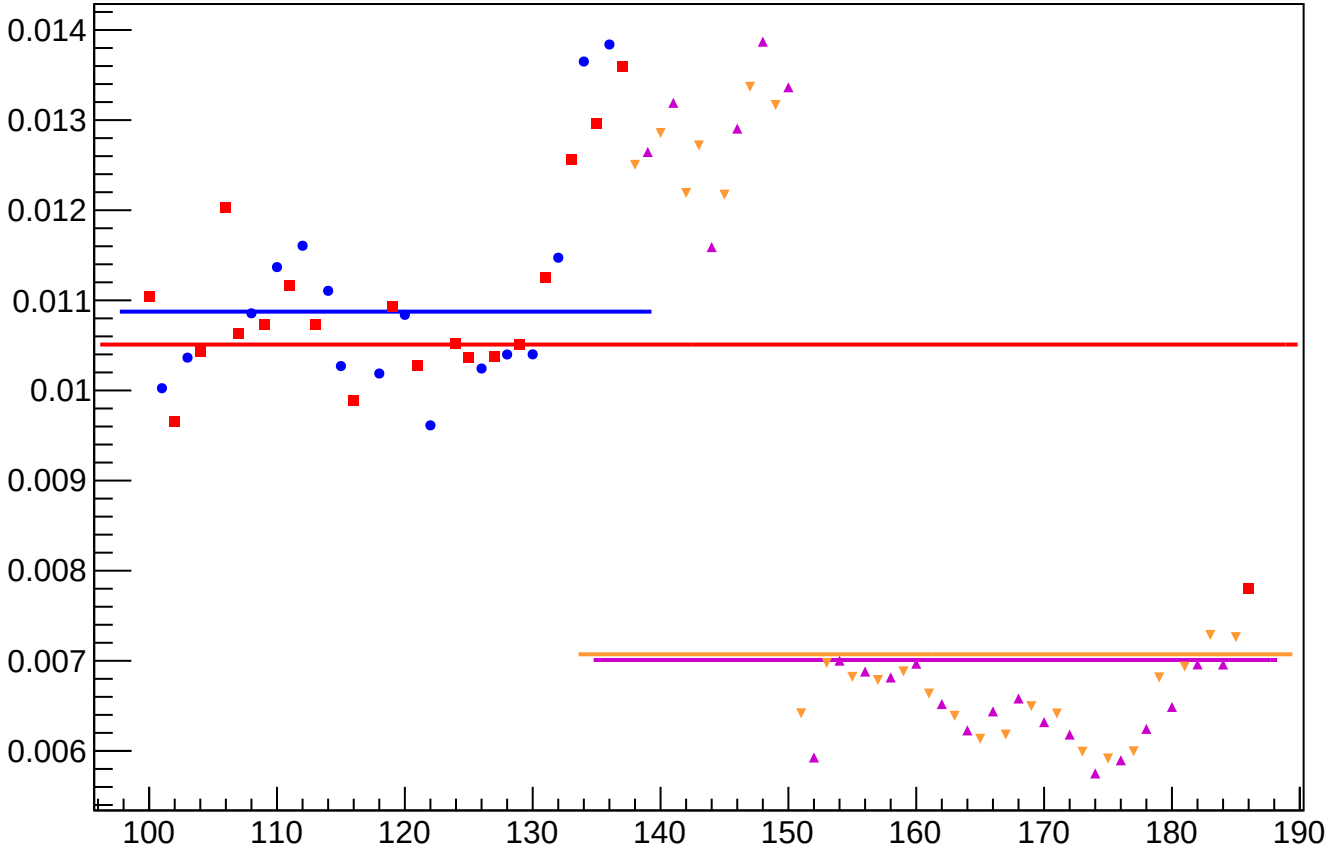
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.467+/-0.000 χ^2/NDF: 97957499531.0/40

All: -0.469+/-0.000 χ^2/NDF: 206332981020.5

- 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: 157612.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

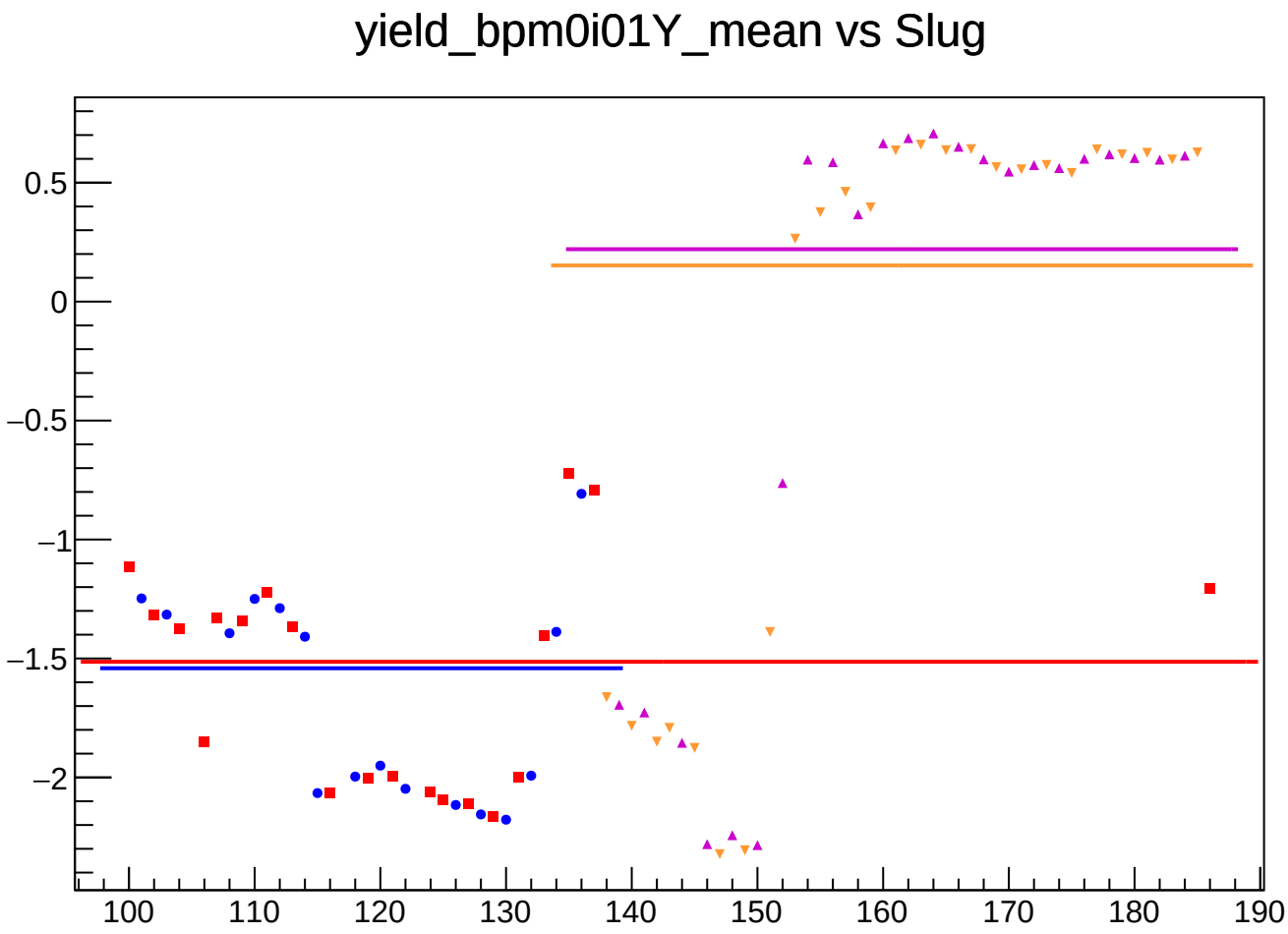
Right Out: 0.011+/-0.000 χ^2/NDF: 205524.1/19

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4015556.6/40

All: 0.008+/-0.000 χ^2/NDF: 8077249.3/83

- sign 0.008+/-0.000 χ^2/NDF: 4061478.1/42



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.514+/-0.000 χ^2/NDF: 146565351694.3/19

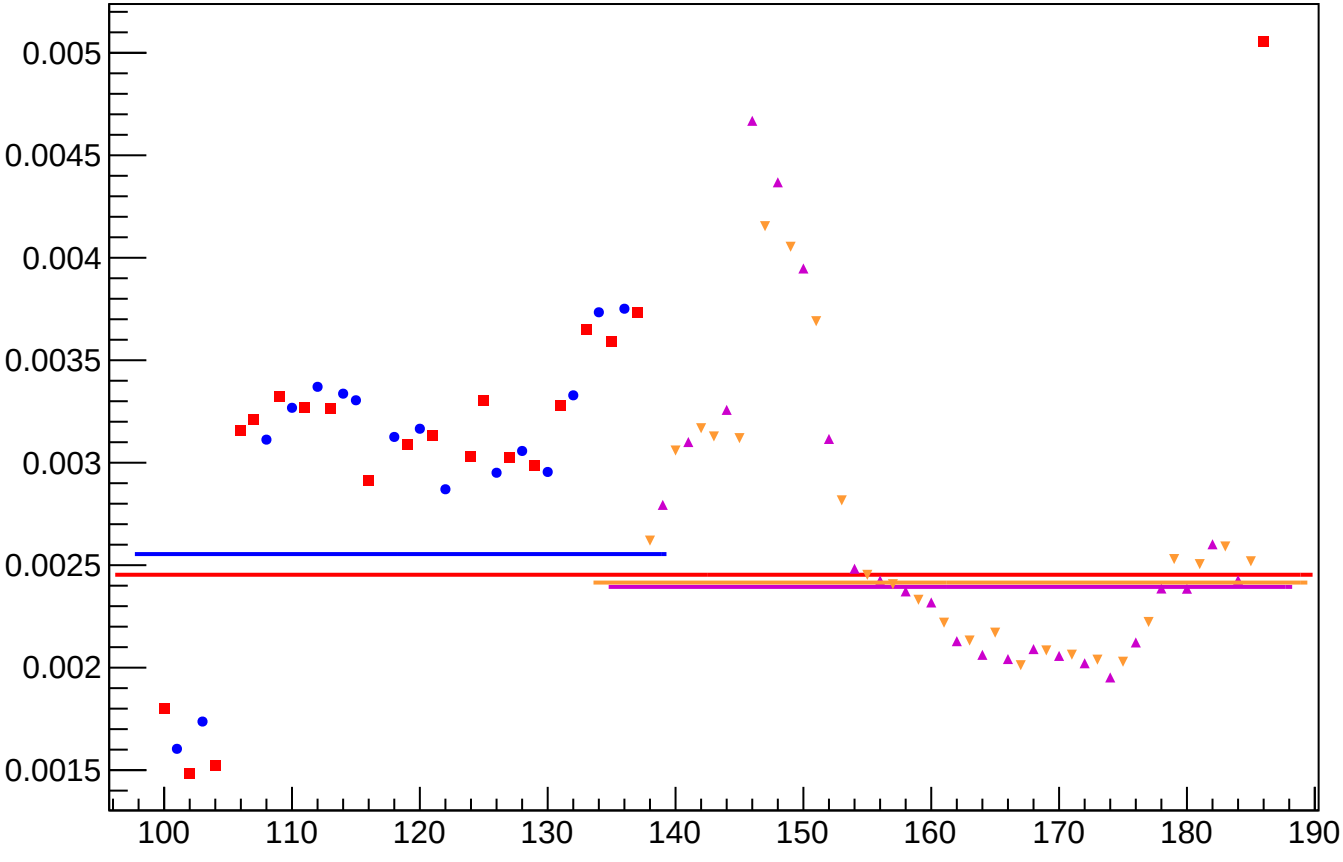
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.256+/-0.000 χ^2/NDF: 4582395407906.3/4

All: -0.252+/-0.000 χ^2/NDF: 911690396285

- 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: 1172434.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

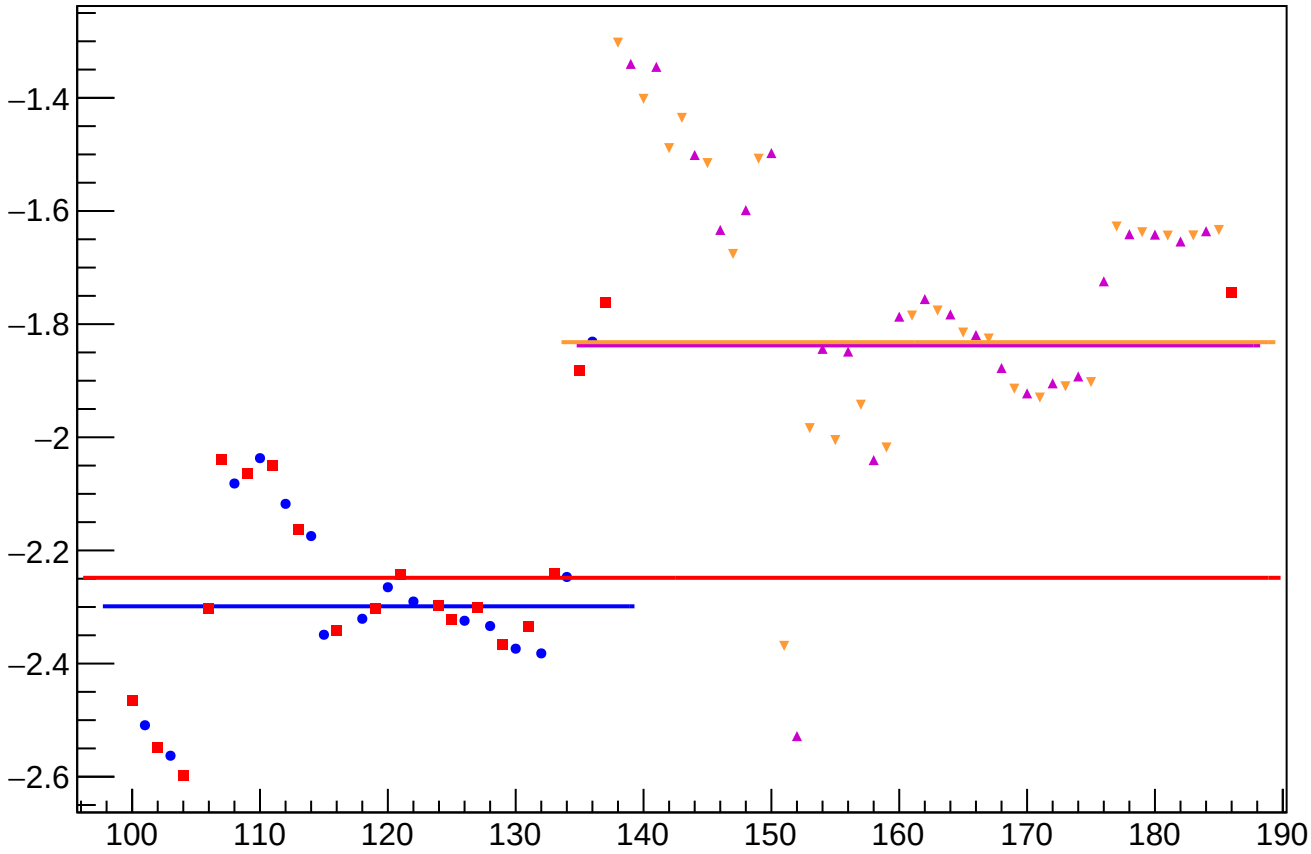
Right Out: 0.002+/-0.000 χ^2/NDF: 1759547.1/19

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 2420091.9/40

All: 0.002+/-0.000 χ^2/NDF: 5600234.6/83

- sign 0.002+/-0.000 χ^2/NDF: 3174434.1/42



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -2.248+/-0.000 χ^2/NDF: 10767283071.0/19

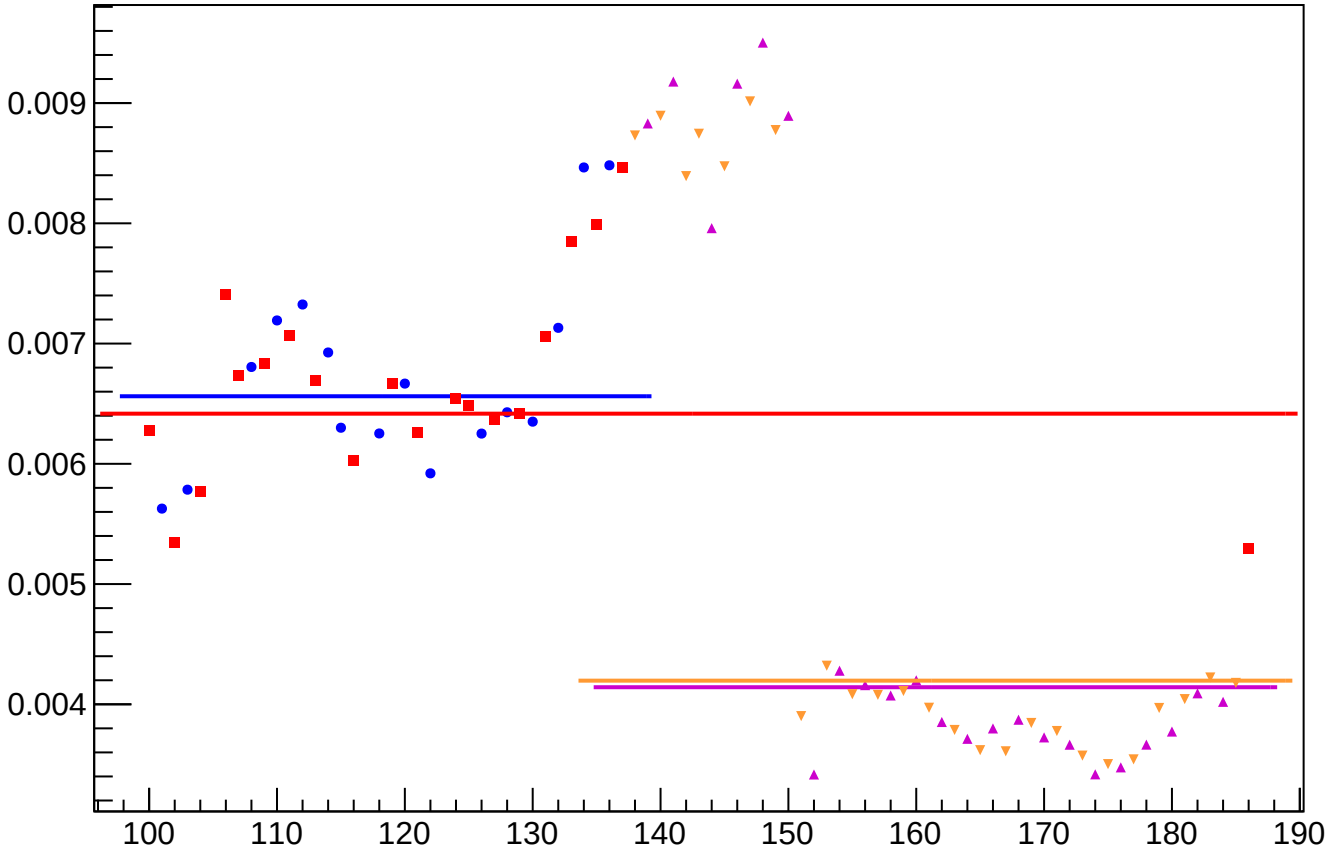
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.898+/-0.000 χ^2/NDF: 74579672436.8/40

All: -1.901+/-0.000 χ^2/NDF: 164499851876.0

- 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: 221890.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

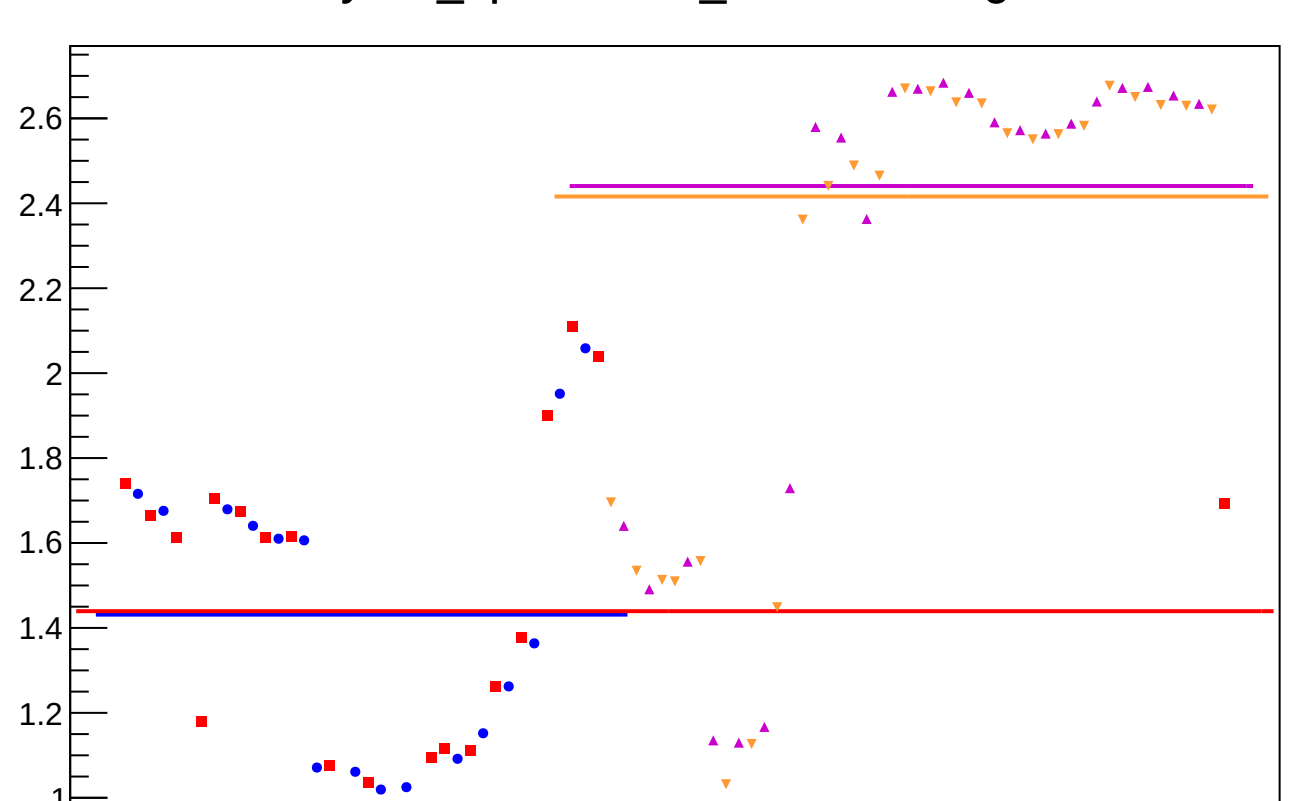
Right Out: 0.006+/-0.000 χ^2/NDF: 223573.3/19

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 4857311.2/40

All: 0.005+/-0.000 χ^2/NDF: 9851342.5/83

- sign 0.005+/-0.000 χ^2/NDF: 4993533.6/42



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.439+/-0.000 χ^2/NDF: 183025647618.9/19

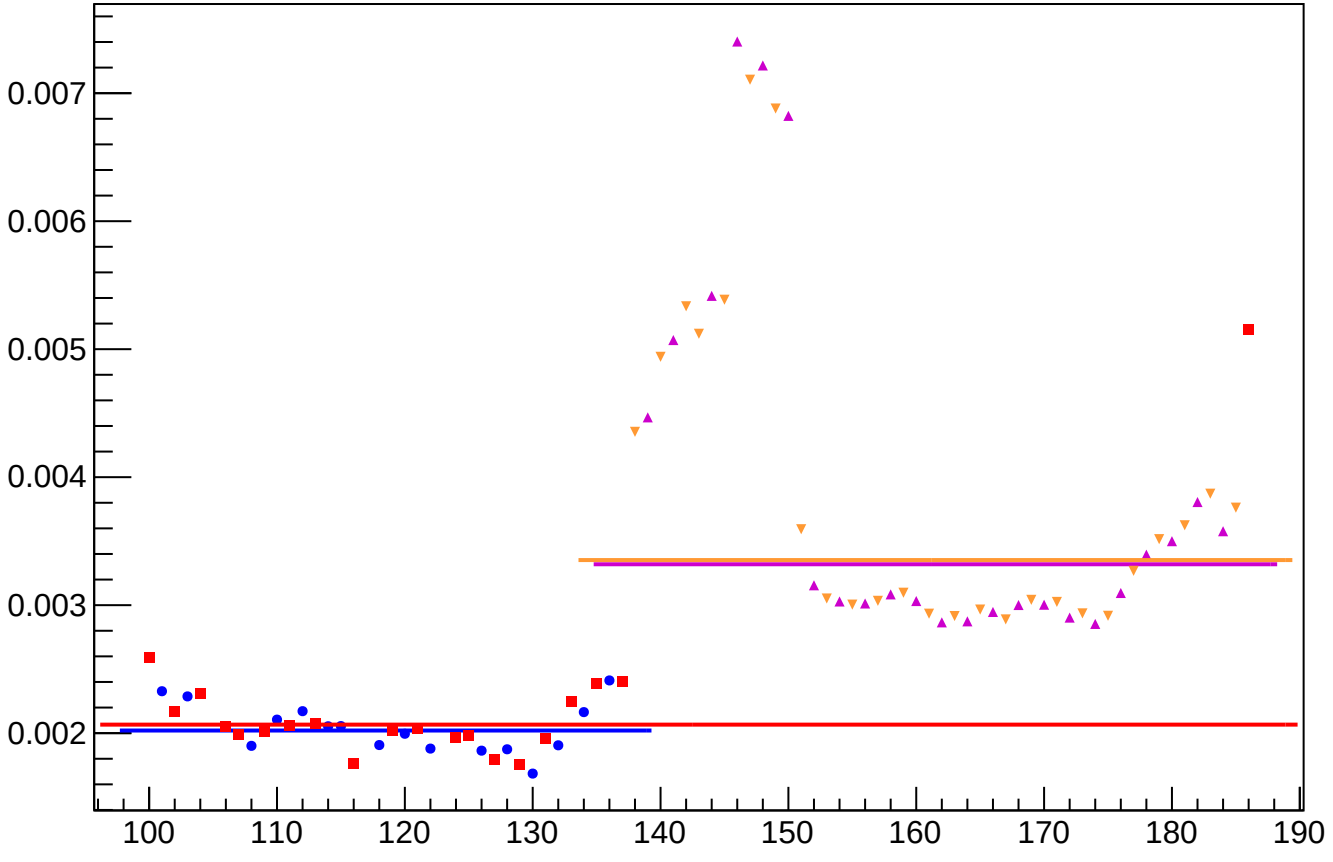
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.912+/-0.000 χ^2/NDF: 1202076390696.5/40

All: 1.913+/-0.000 χ^2/NDF: 2398749979505.

- 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: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

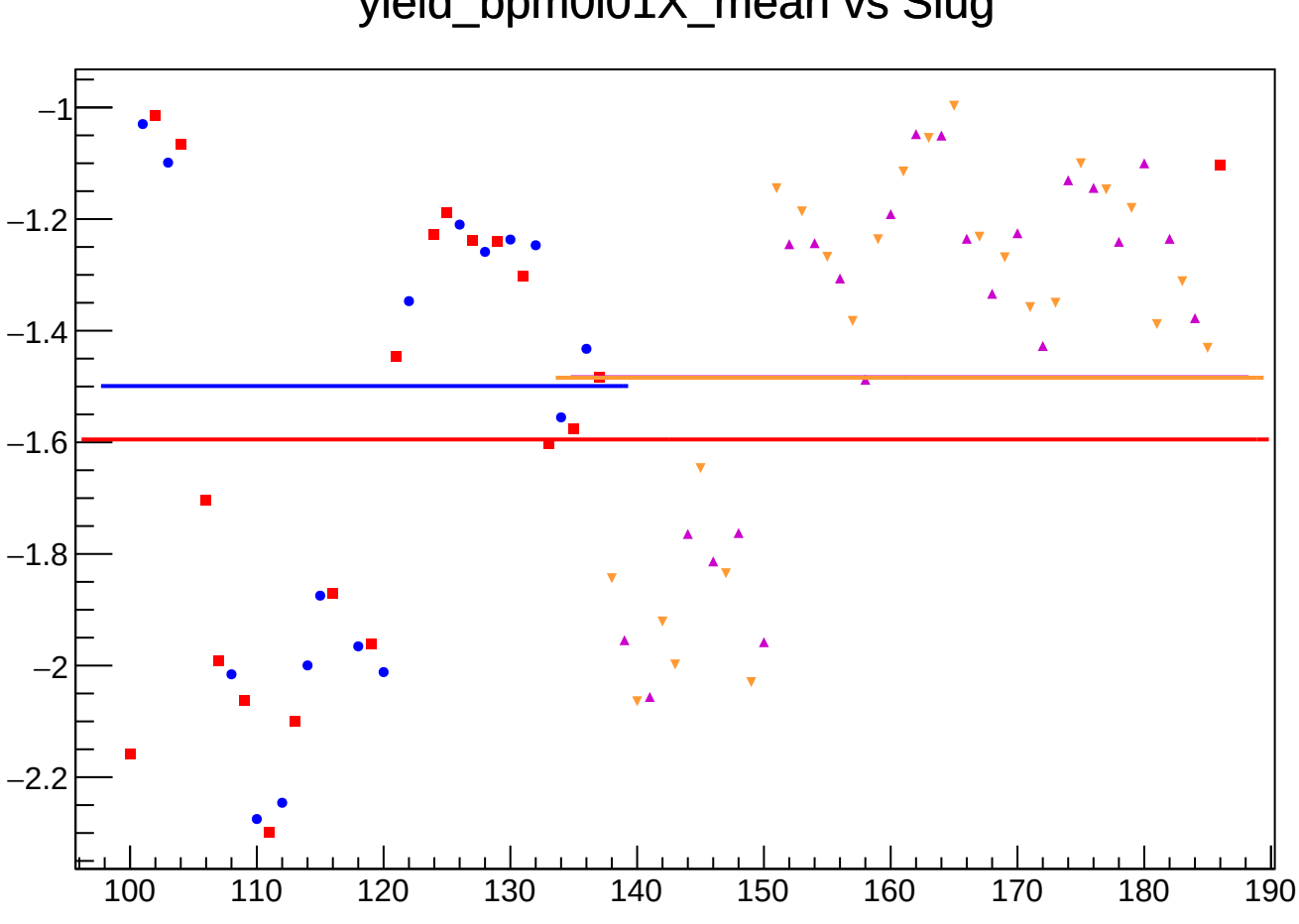
Right Out: 0.002+/-0.000 χ^2/NDF: 410197.8/19

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

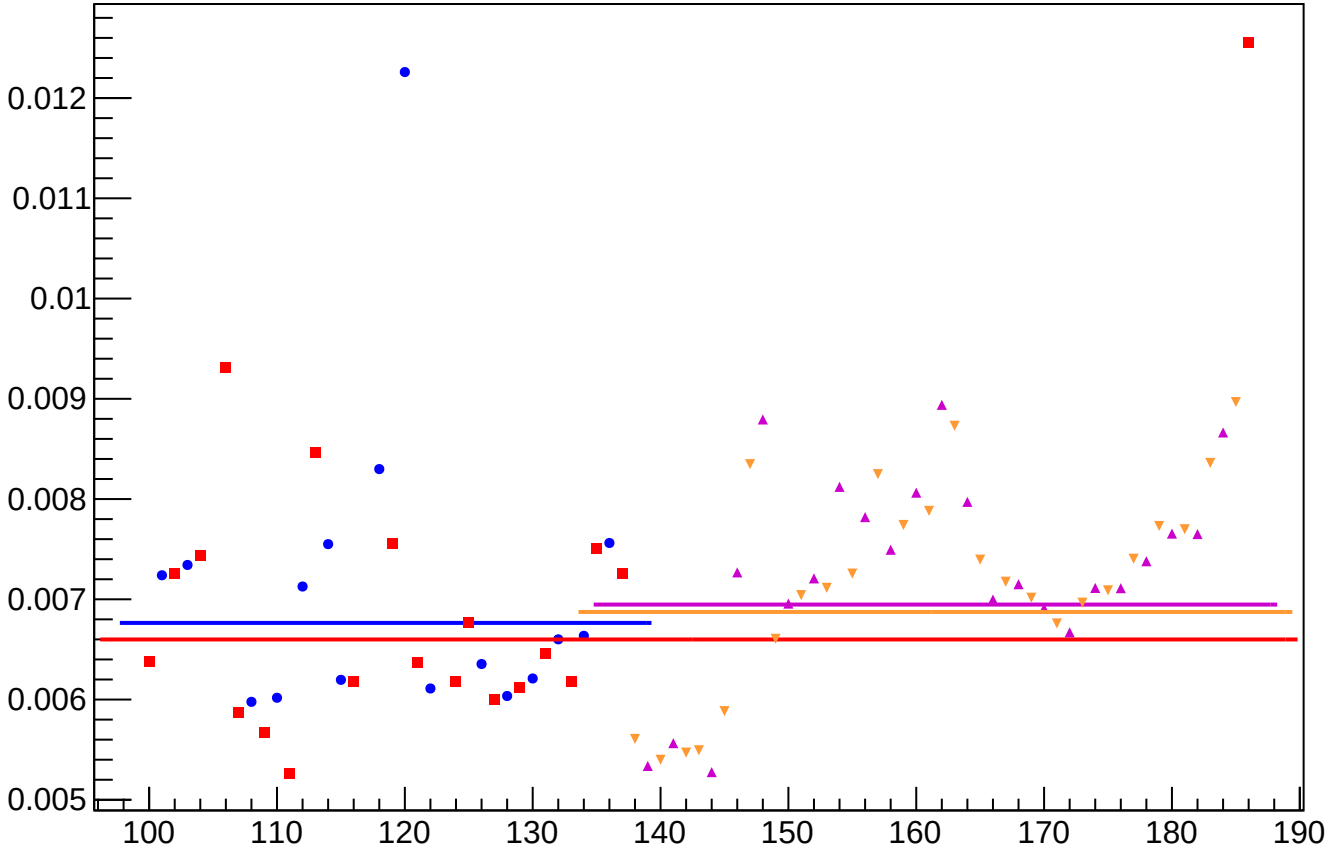
+ sign 0.003+/-0.000 χ^2/NDF: 4791719.0/40

All: 0.003+/-0.000 χ^2/NDF: 9707022.4/83

- sign 0.003+/-0.000 χ^2/NDF: 4914922.9/42


yield_bpm0l01X_mean vs Slug
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
150
160
170
180
190
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.484+/-0.000 χ²/NDF:48438764764.6/24
Right Out: -1.595+/-0.000 χ²/NDF: 28857593014.2/19
Left In: -1.483+/-0.000 χ²/NDF:40353431150.9/22
+ sign -1.488+/-0.000 χ²/NDF: 71392281362.2/40
All: -1.503+/-0.000 χ²/NDF: 142241942214.4
- sign -1.519+/-0.000 χ²/NDF: 70606175866.0/42

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

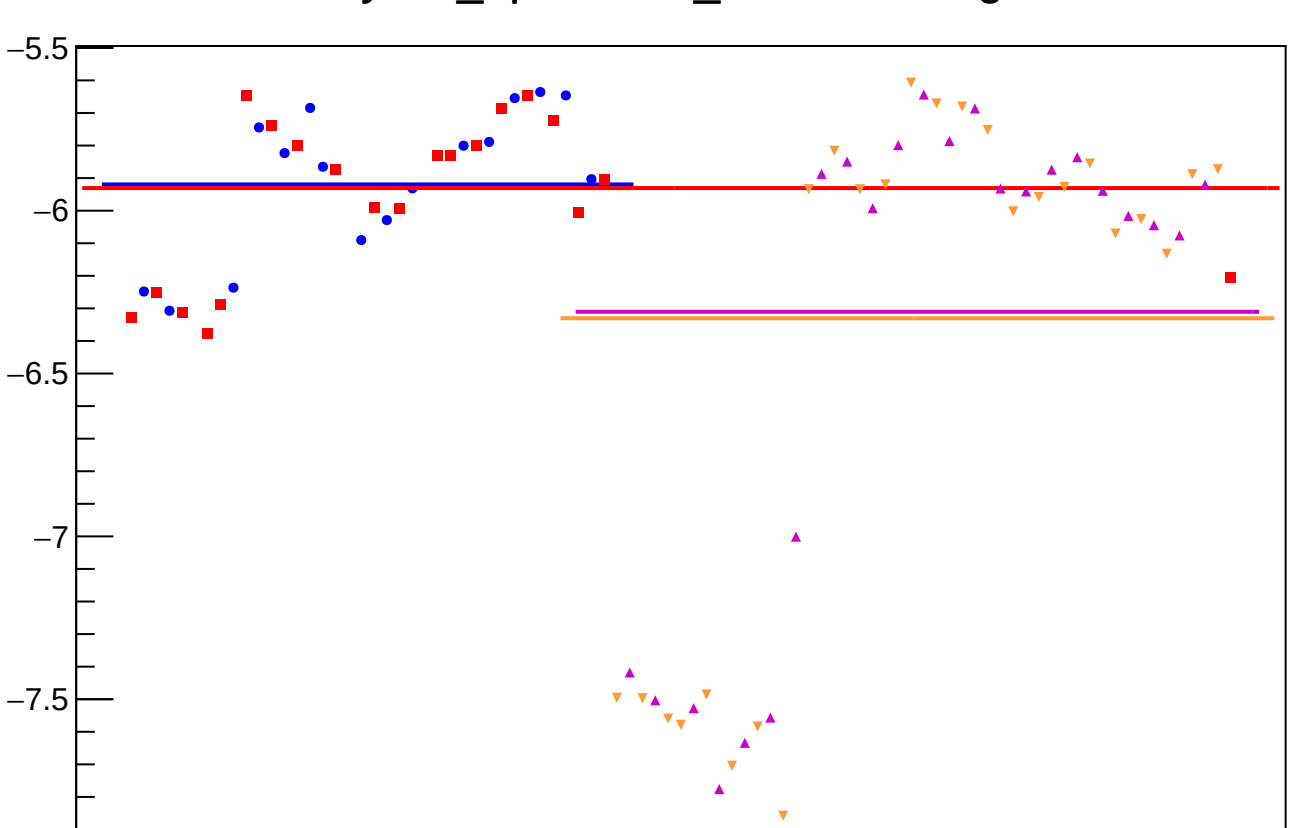
Right Out: 0.007+/-0.000 χ^2/NDF: 402275.7/19

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 986571.5/40

All: 0.007+/-0.000 χ^2/NDF: 2162804.8/83

- sign 0.007+/-0.000 χ^2/NDF: 1176203.6/42



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.931+/-0.000 χ^2/NDF: 12786568312.8/19

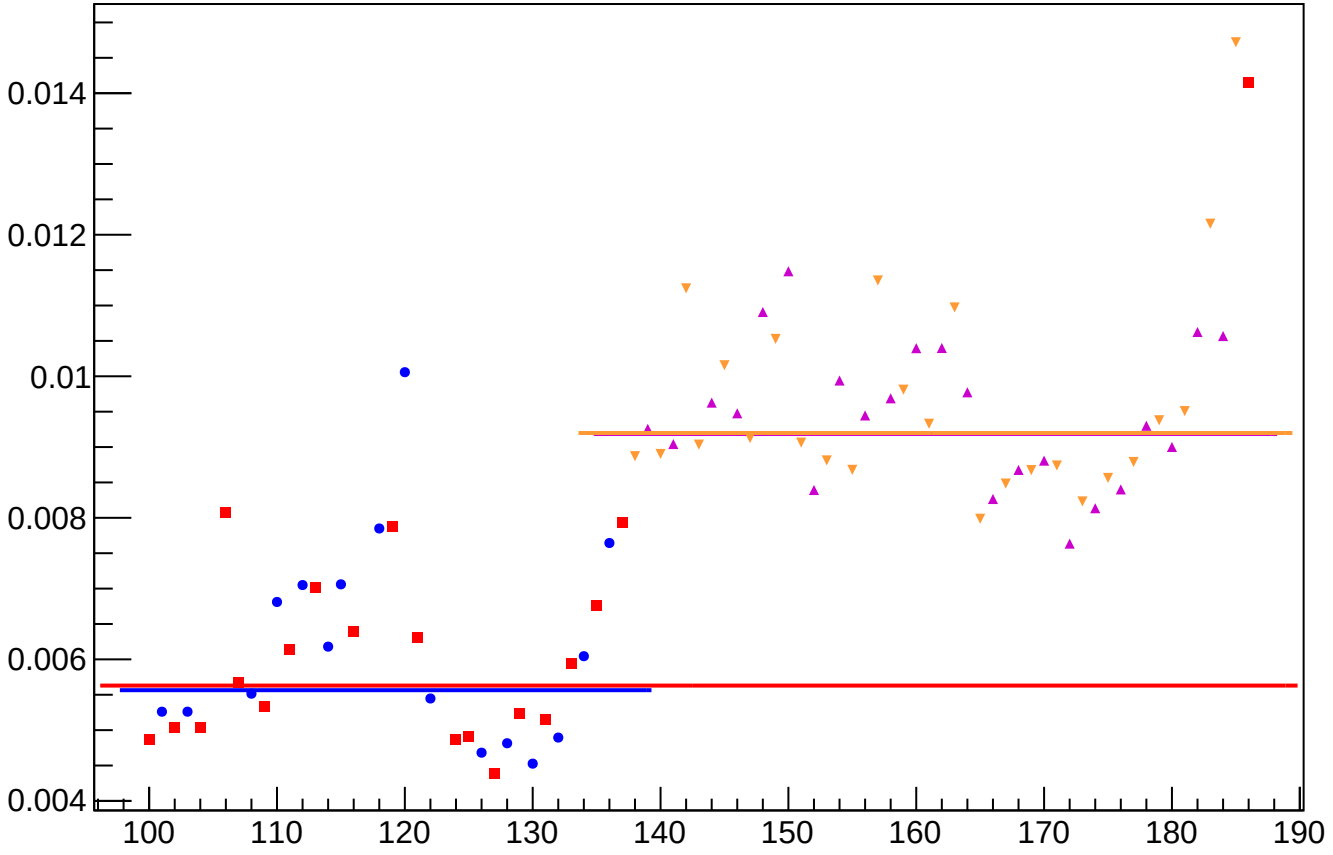
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.121+/-0.000 χ^2/NDF: 138475786309.1/40

All: -6.113+/-0.000 χ^2/NDF: 257166783446.1

- sign -6.106+/-0.000 χ^2/NDF: 118648268737.0/42

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

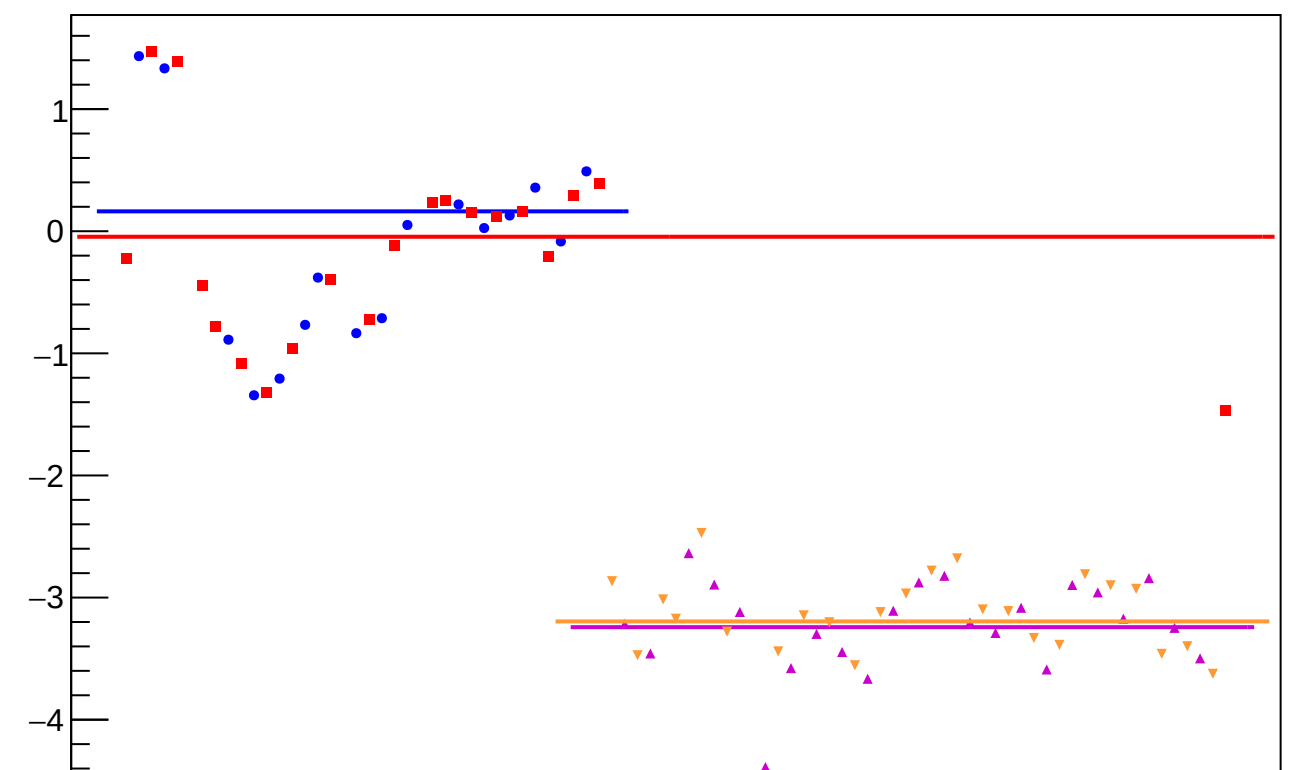
Right Out: 0.006+/-0.000 χ^2/NDF: 641325.7/19

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.007+/-0.000 χ^2/NDF: 3429908.6/40

All: 0.007+/-0.000 χ^2/NDF: 6874993.0/83

- sign 0.007+/-0.000 χ^2/NDF: 3442915.2/42



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.045+/-0.000 χ^2/NDF: 24232064277.6/19

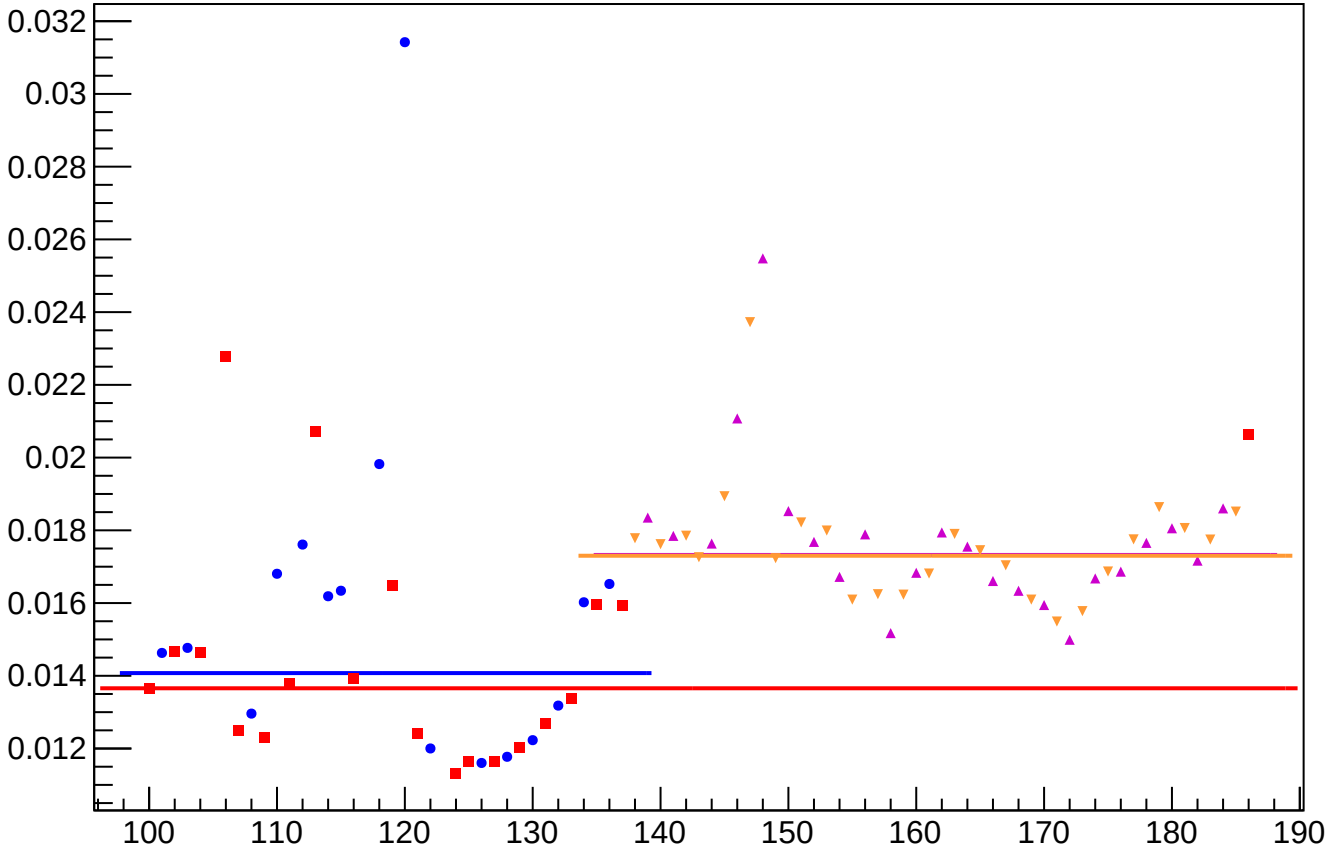
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -2.057+/-0.000 χ^2/NDF: 264762284218.6/40

All: -2.019+/-0.000 χ^2/NDF: 532623126556.6

- 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: 465421.6/15

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

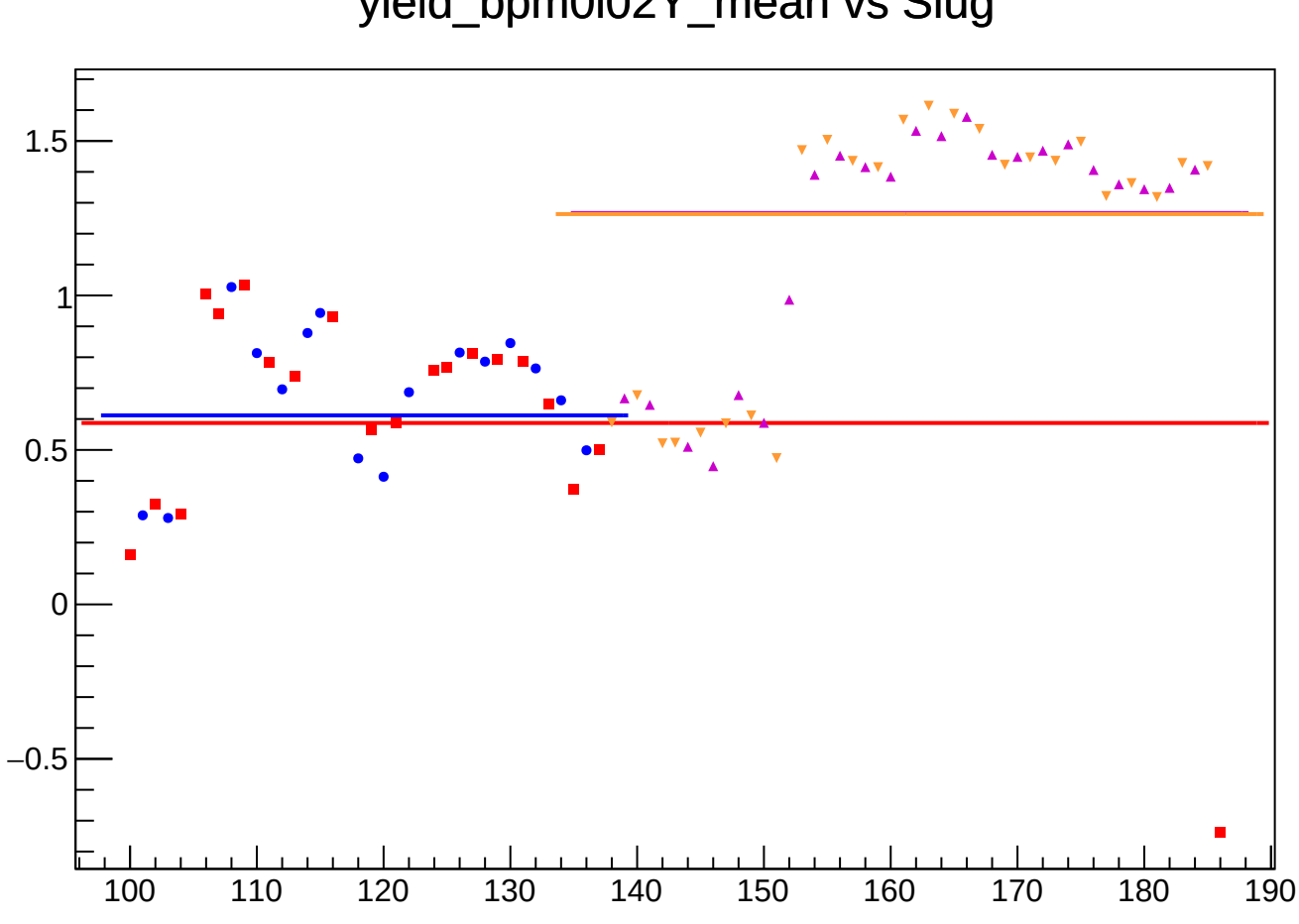
Right Out: 0.014+/-0.000 χ^2/NDF: 398739.2/19

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.016+/-0.000 χ^2/NDF: 1121672.9/40

All: 0.016+/-0.000 χ^2/NDF: 2479787.0/83

- sign 0.016+/-0.000 χ^2/NDF: 1347743.5/42



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.587+/-0.000 χ^2/NDF: 10567366031.4/19

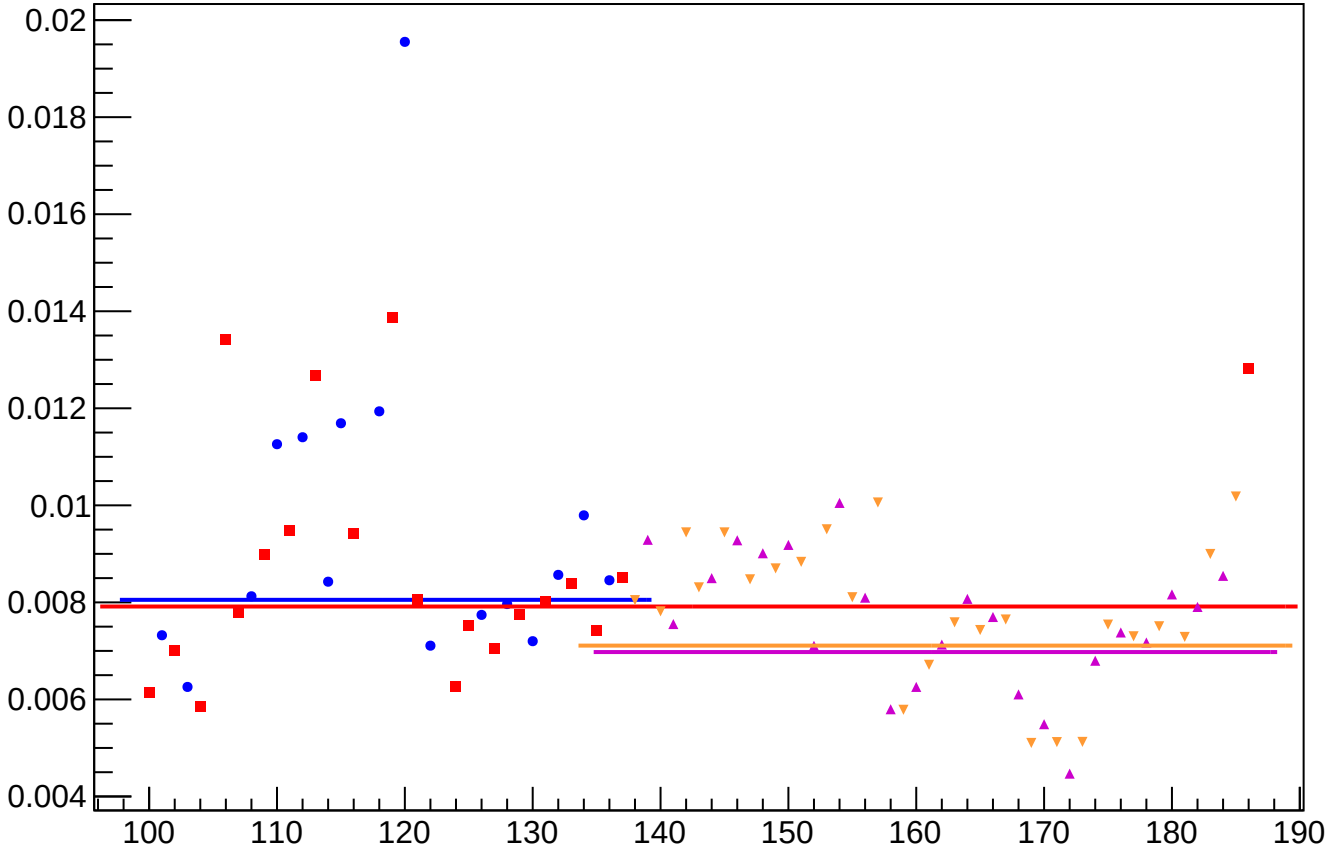
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 1.121+/-0.000 χ^2/NDF: 82561519879.2/40

All: 1.111+/-0.000 χ^2/NDF: 168385207403.7

- 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: 598309.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

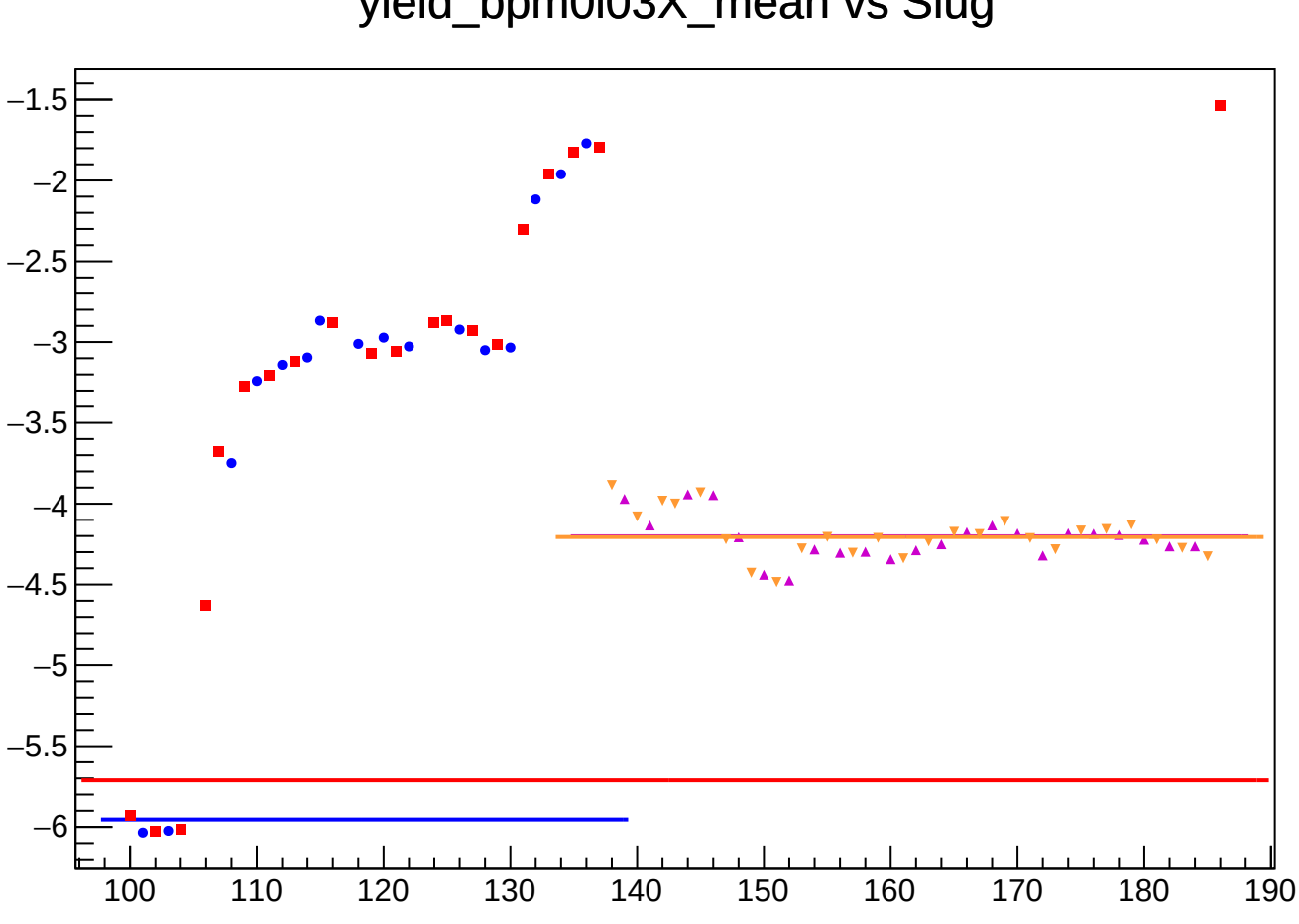
Right Out: 0.008+/-0.000 χ^2/NDF: 701143.1/19

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

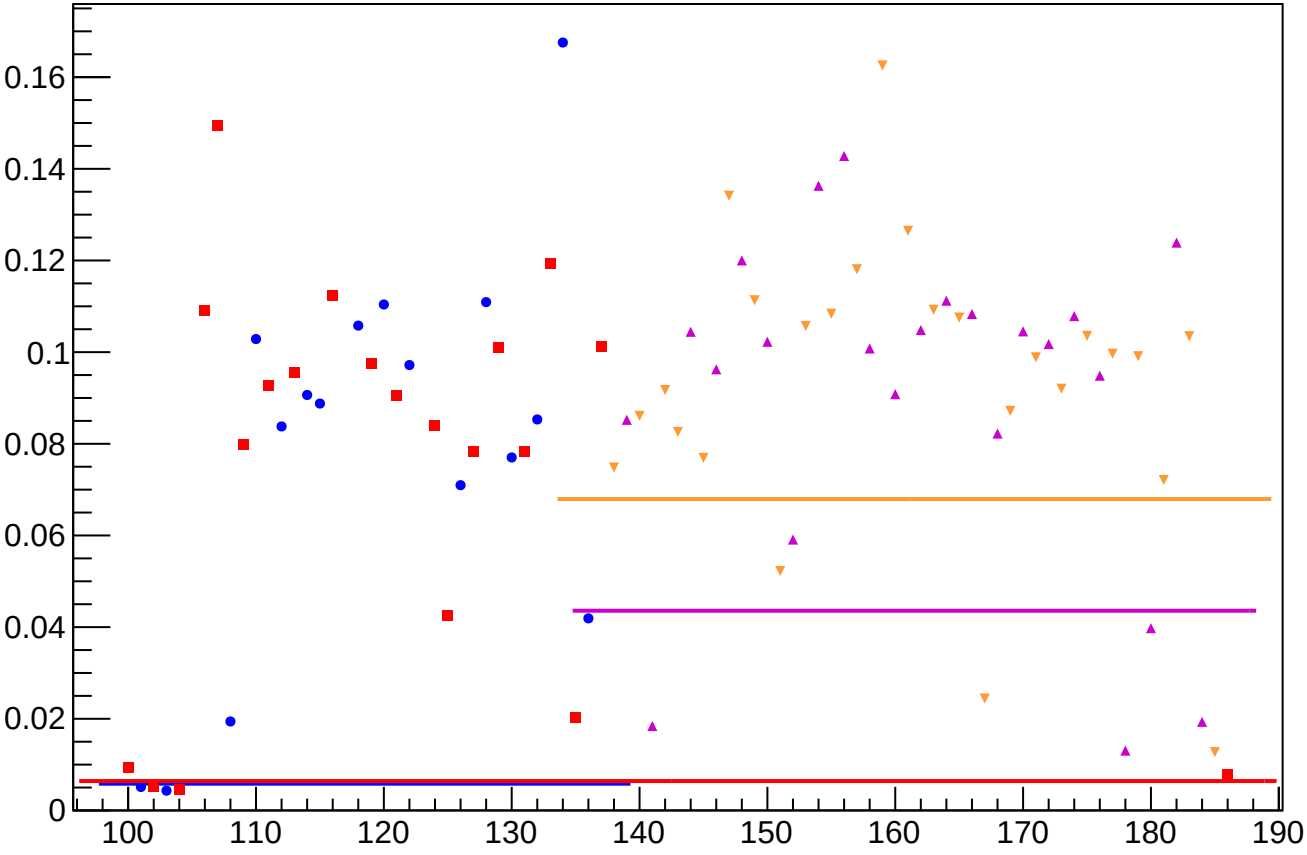
+ sign 0.007+/-0.000 χ^2/NDF: 2248907.6/40

All: 0.007+/-0.000 χ^2/NDF: 4555773.1/83

- sign 0.007+/-0.000 χ^2/NDF: 2301482.2/42


yield_bpm0l03X_mean vs Slug
−1.5
−2
−2.5
−3
−3.5
−4
−4.5
−5
−5.5
−6
100
110
120
130
140
150
160
170
180
190
Right In: -5.954+/-0.000 χ²/NDF: 13099475661.5/15
Left Out: -4.206+/-0.000 χ²/NDF:61558336.8/24
Right Out: -5.712+/-0.000 χ²/NDF: 53904537464.3/19
Left In: -4.202+/-0.000 χ²/NDF:42747893.4/22
+ sign -5.868+/-0.000 χ²/NDF: 20892130511.3/40
All: -5.734+/-0.000 χ²/NDF: 85446773195.5/
- sign -5.585+/-0.000 χ²/NDF: 62490994666.4/42

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8760396.2/19

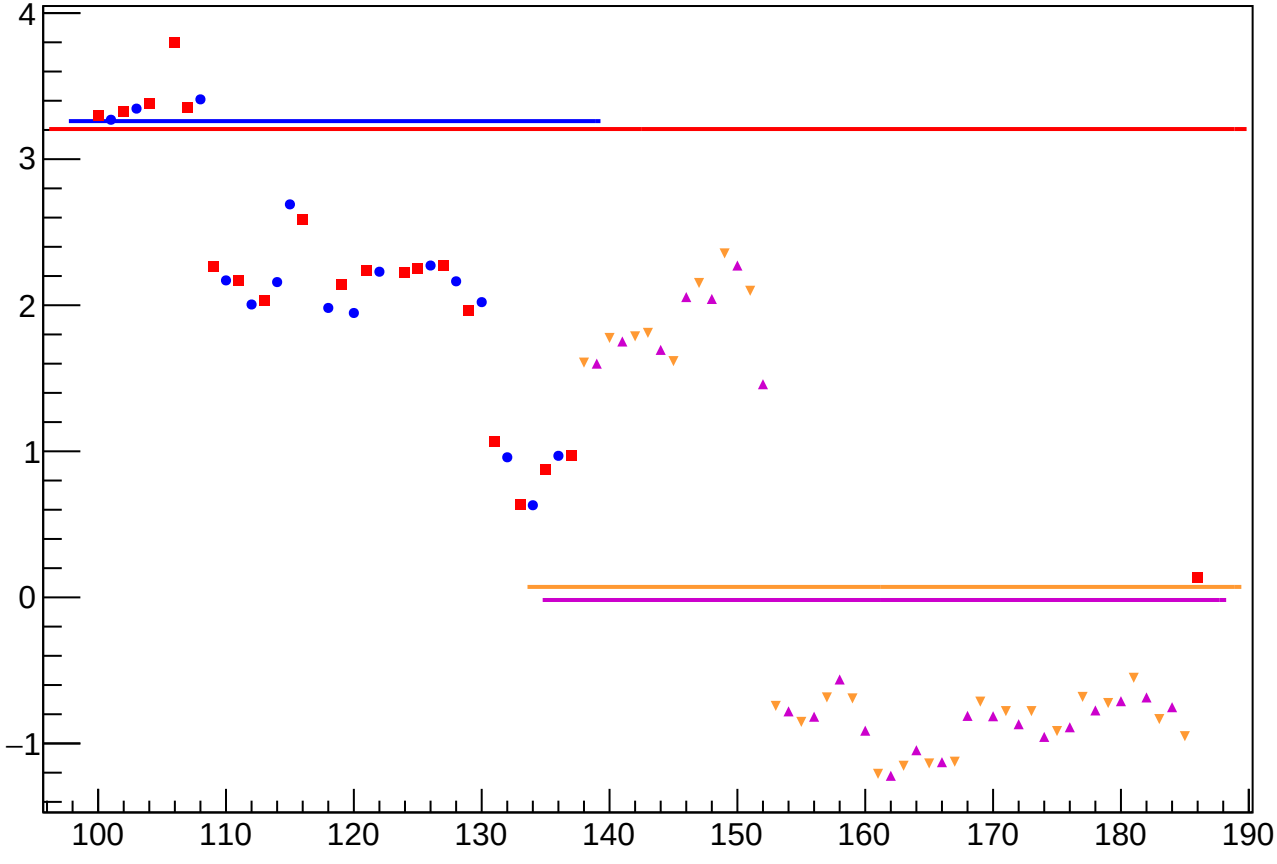
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 35853428.1/40

All: 0.009+/-0.000 χ^2/NDF: 67749478.7/83

- sign 0.010+/-0.000 χ^2/NDF: 31874161.2/42

yield_bpm0l03Y_mean vs Slug



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 3.206+/-0.000 χ^2/NDF: 11302535285.2/19

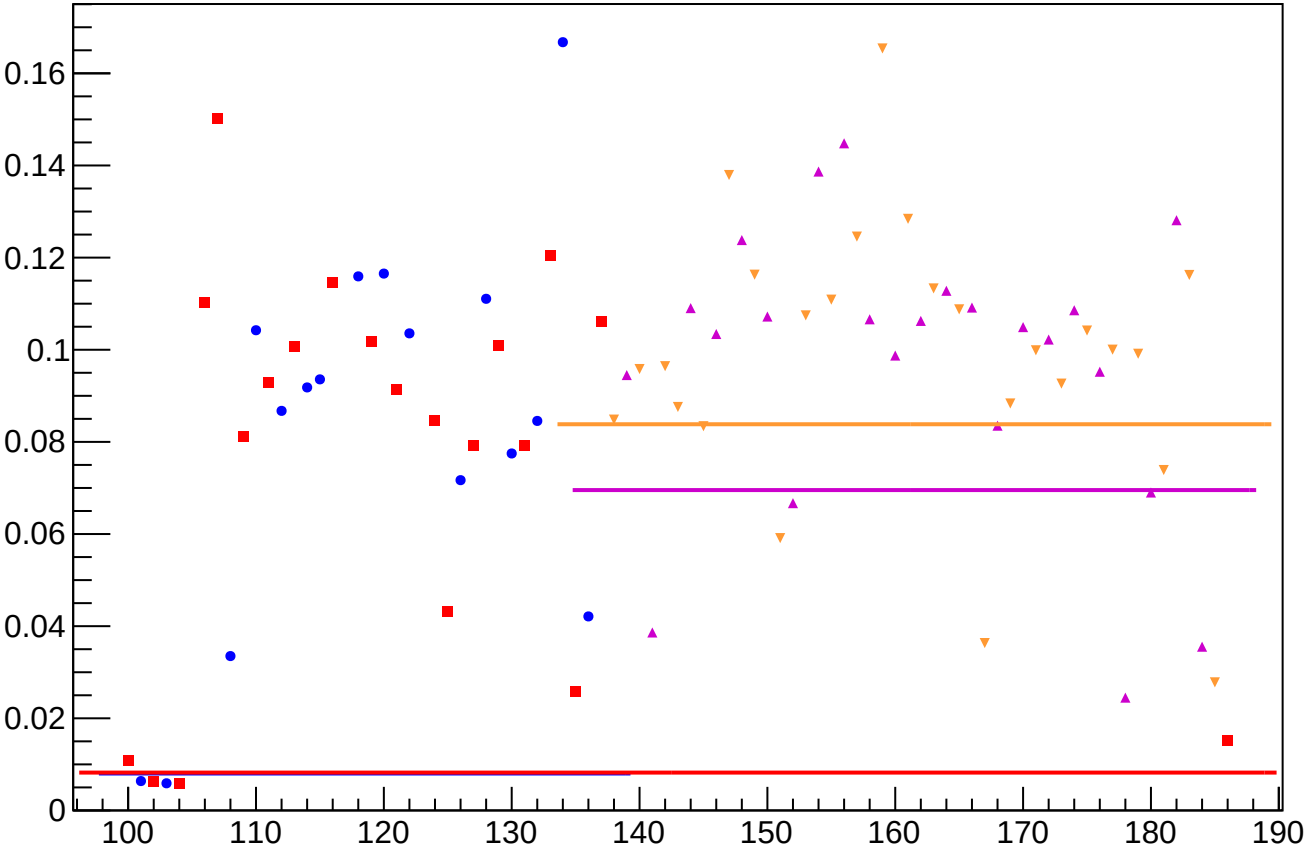
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 3.062+/-0.000 χ^2/NDF: 26264270370.1/40

All: 3.017+/-0.000 χ^2/NDF: 64068838675.6/8

- 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: 8415681.1/15

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

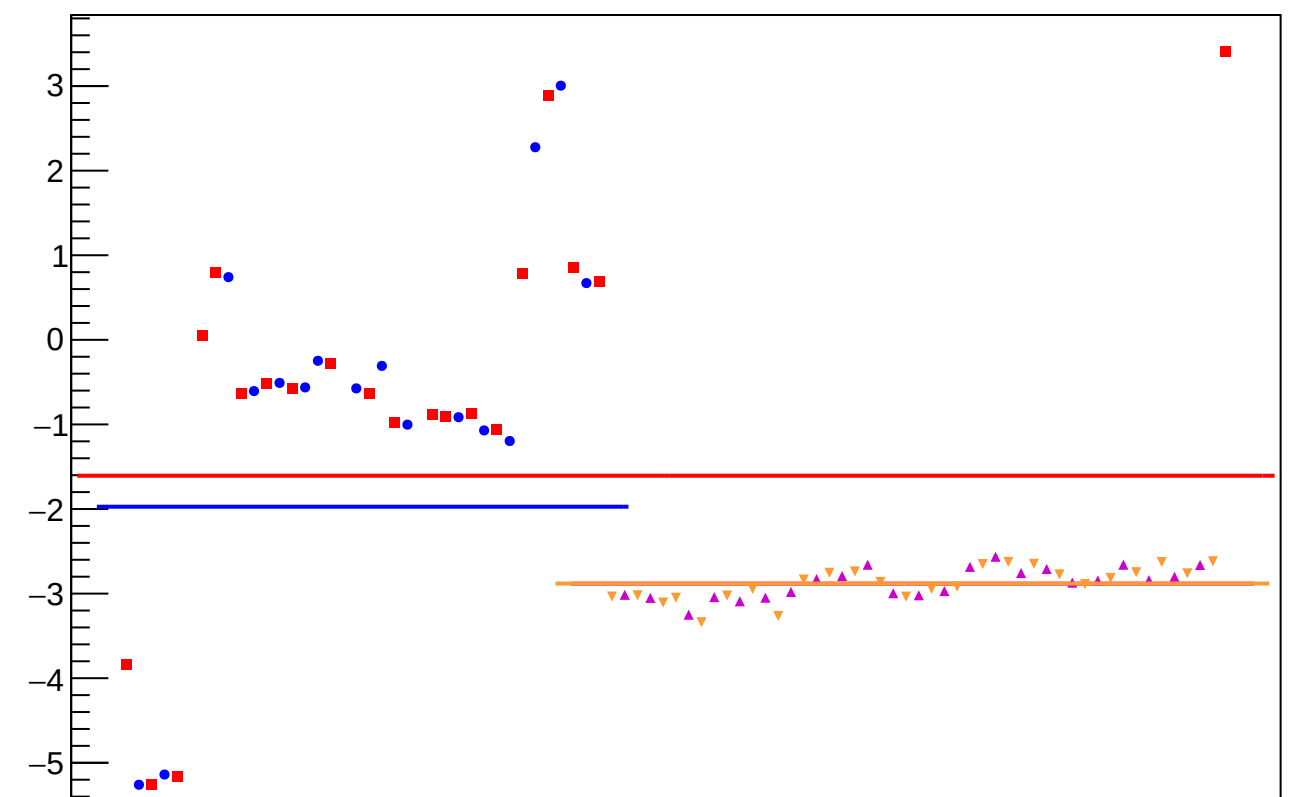
Right Out: 0.008+/-0.000 χ^2/NDF: 8627220.0/19

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 34421692.9/40

All: 0.013+/-0.000 χ^2/NDF: 66319621.0/83

- sign 0.013+/-0.000 χ^2/NDF: 31897905.9/42



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.606+/-0.000 χ^2/NDF: 180744549493.2/19

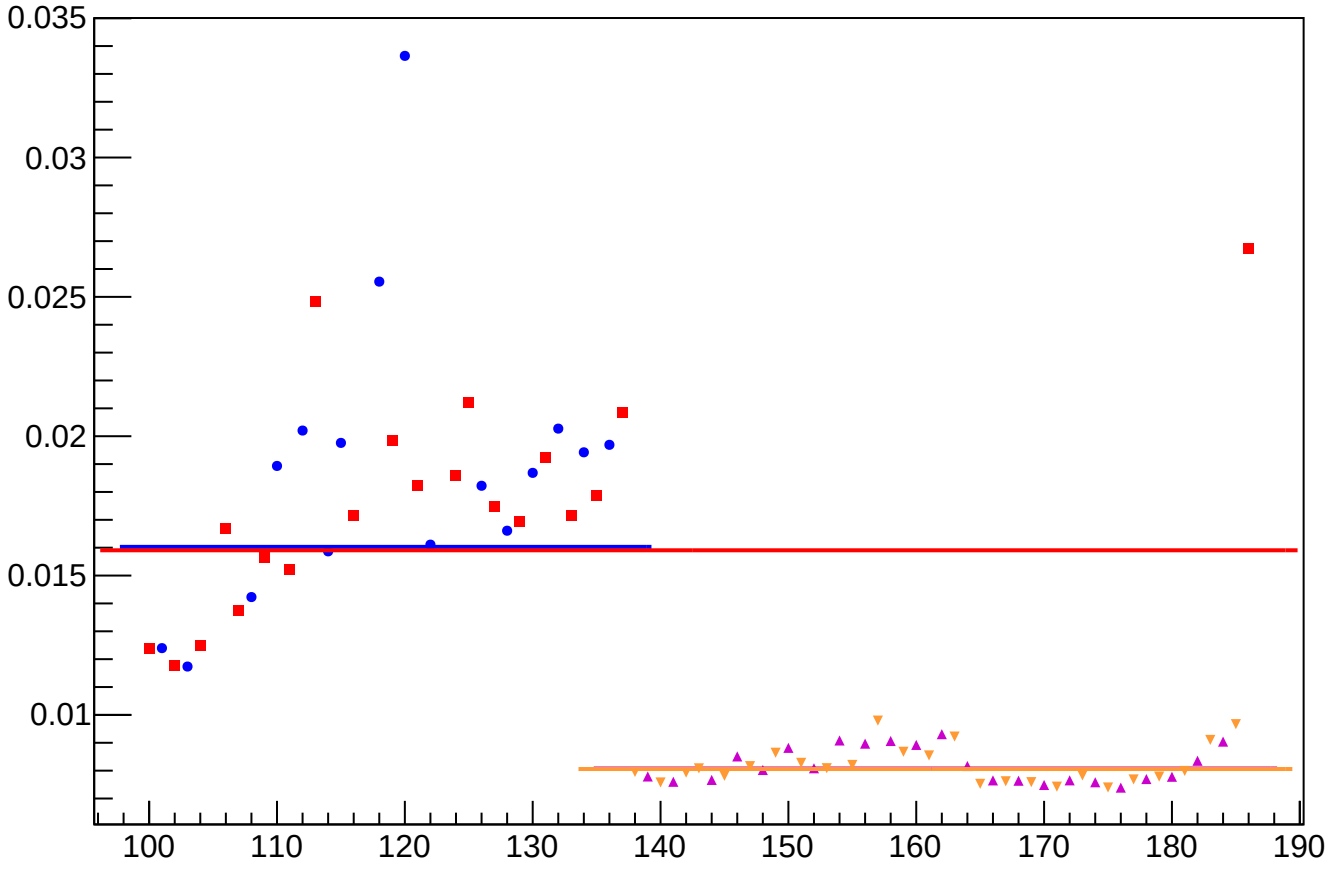
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.814+/-0.000 χ^2/NDF: 189847310921.7/40

All: -2.792+/-0.000 χ^2/NDF: 418244017299.0

- 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: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

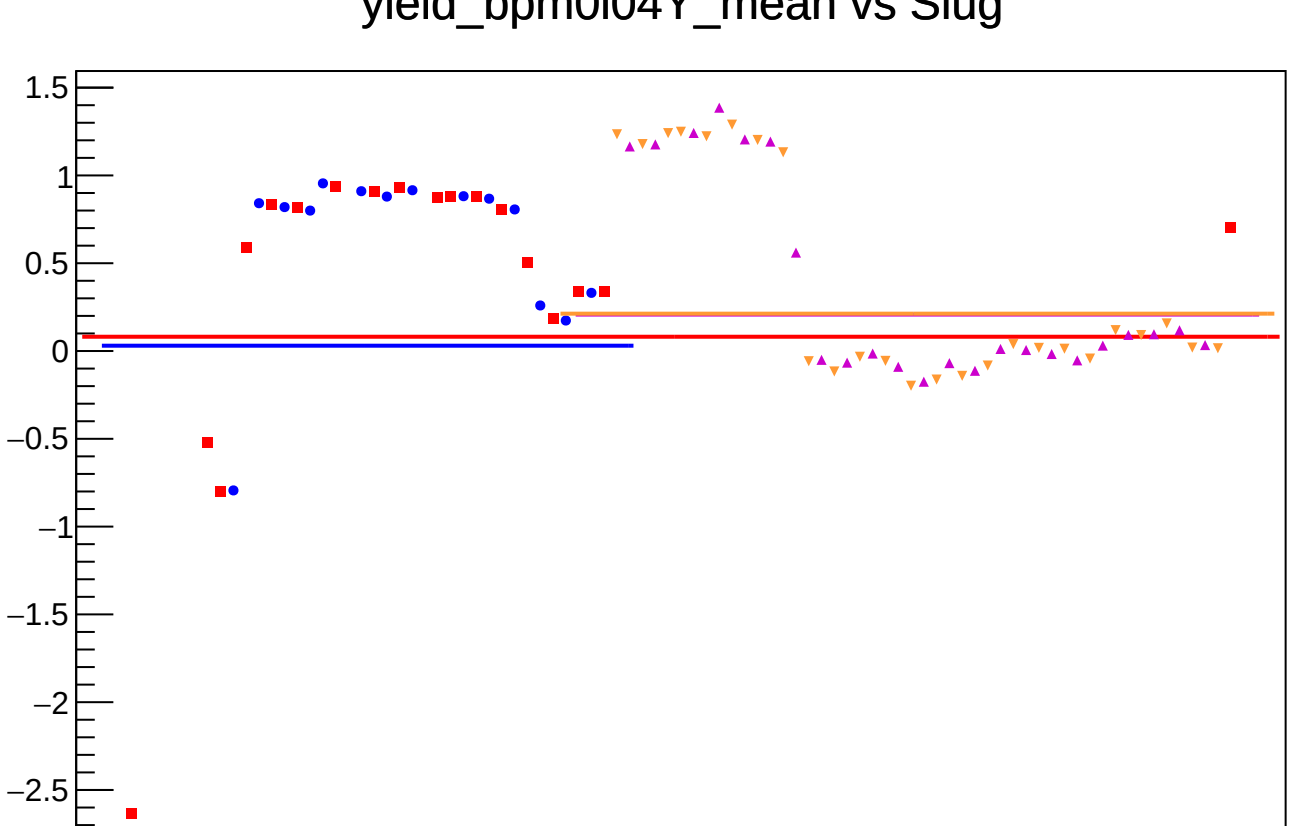
Right Out: 0.016+/-0.000 χ^2/NDF: 622099.9/19

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 3587471.0/40

All: 0.009+/-0.000 χ^2/NDF: 7334301.3/83

- sign 0.009+/-0.000 χ^2/NDF: 3741617.7/42



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

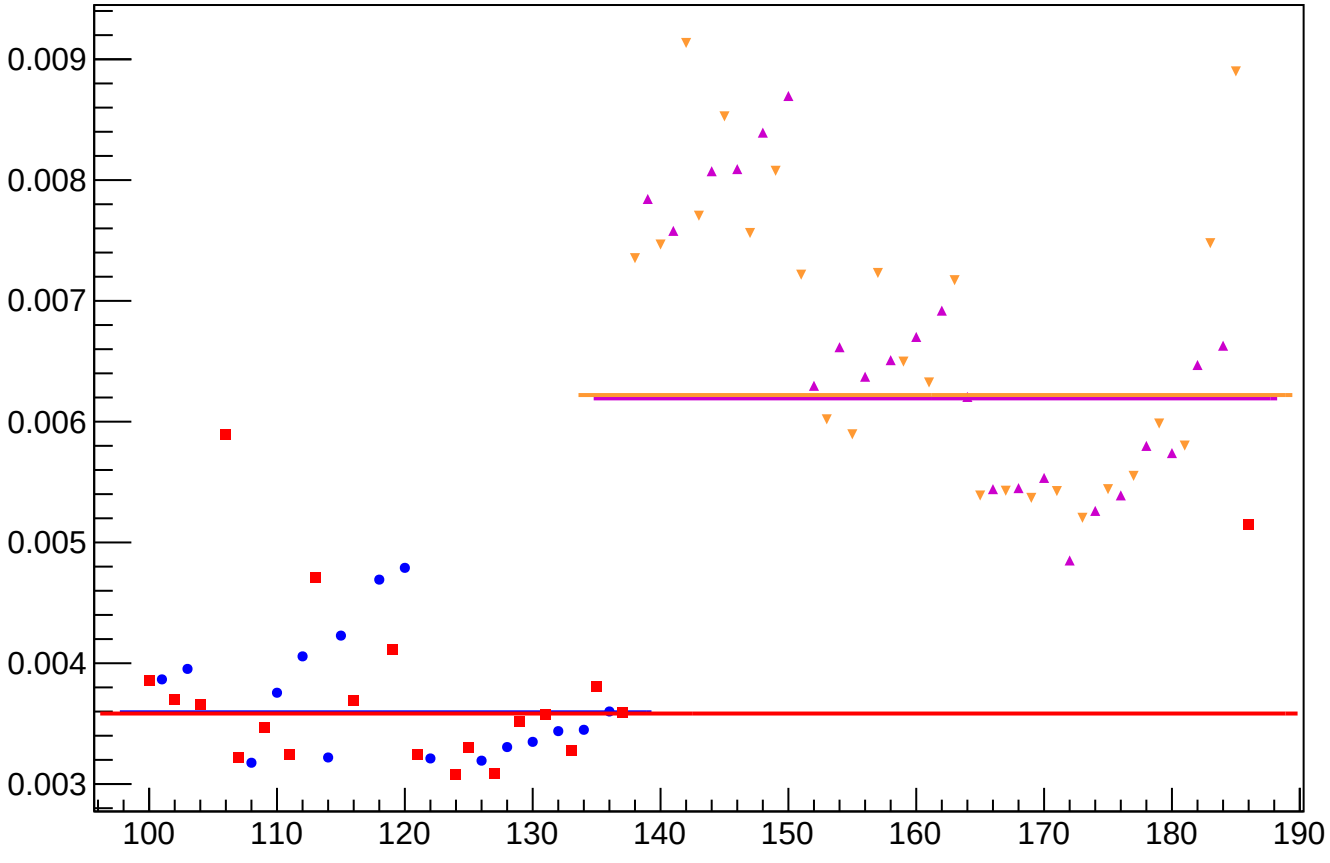
Right Out: 0.081+/-0.000 χ^2/NDF: 941173134026.8/19

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.113+/-0.000 χ^2/NDF: 962343798875.2/40

All: 0.124+/-0.000 χ^2/NDF: 1994666328963.

- sign 0.134+/-0.000 χ^2/NDF: 1032102946941.0/42



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 297017.3/19

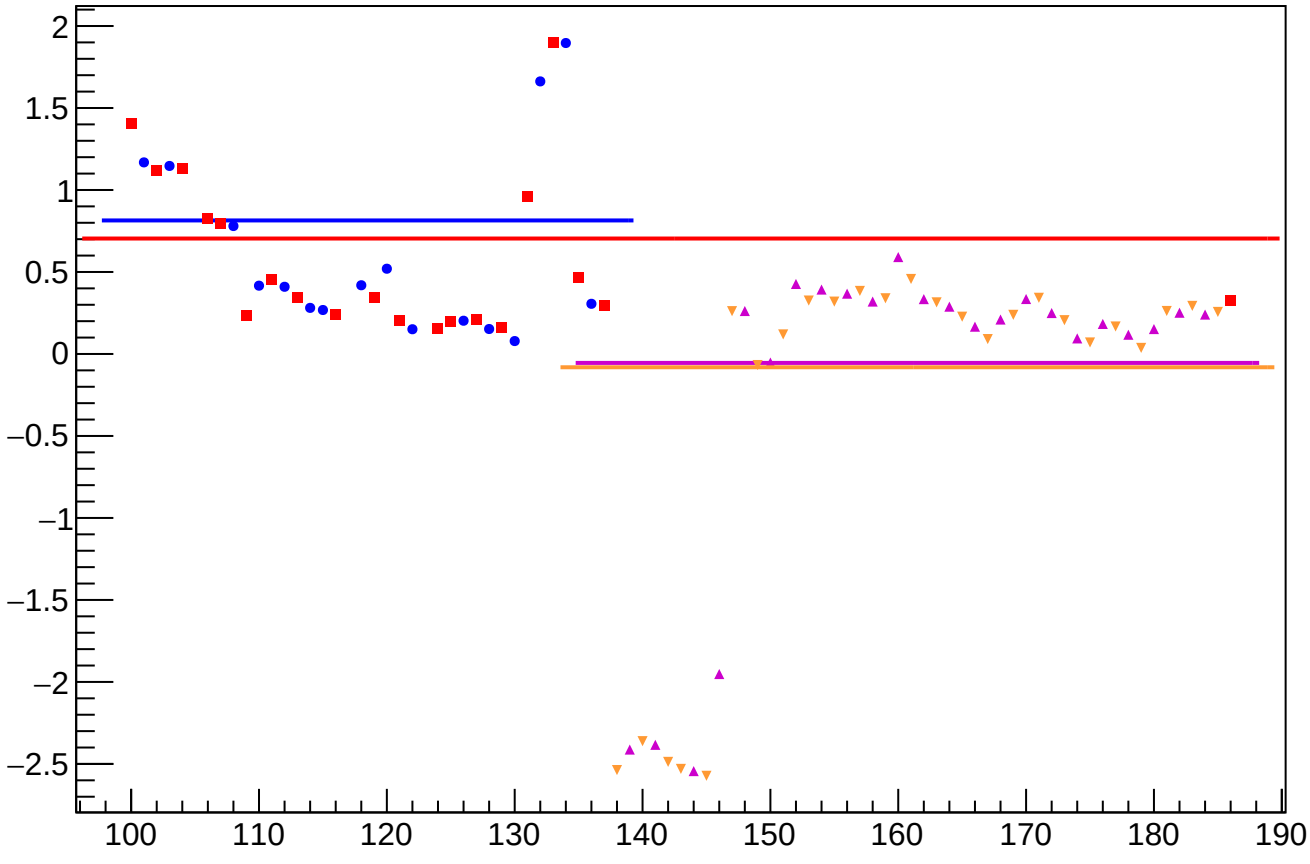
Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4245925.5/40

All: 0.005+/-0.000 χ^2/NDF: 8640658.8/83

- sign 0.005+/-0.000 χ^2/NDF: 4383783.3/42

yield_bpm0l05X_mean vs Slug



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.704+/-0.000 χ^2/NDF: 39768404771.2/19

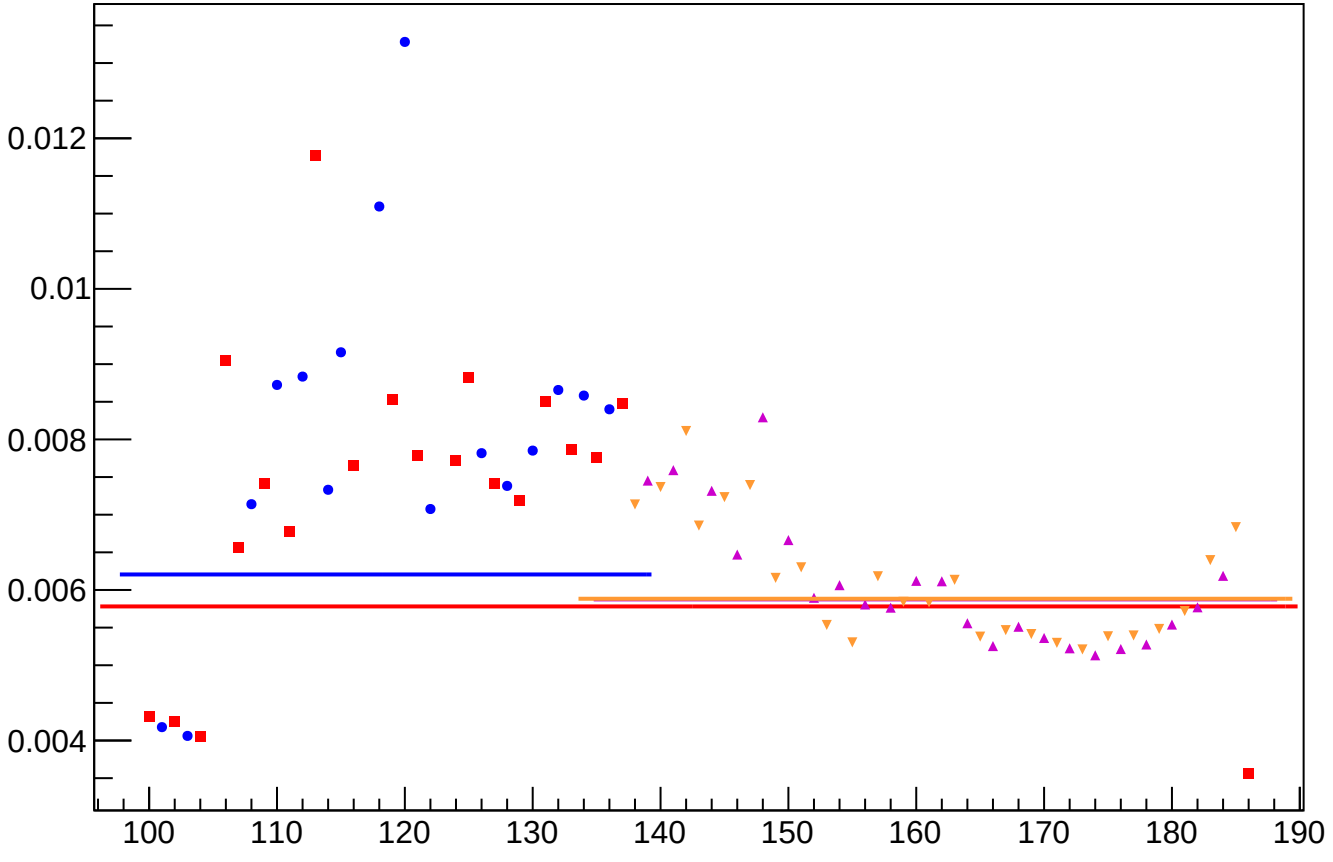
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.117+/-0.000 χ^2/NDF: 513805264376.7/40

All: 0.137+/-0.000 χ^2/NDF: 978458502093.8

- 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: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

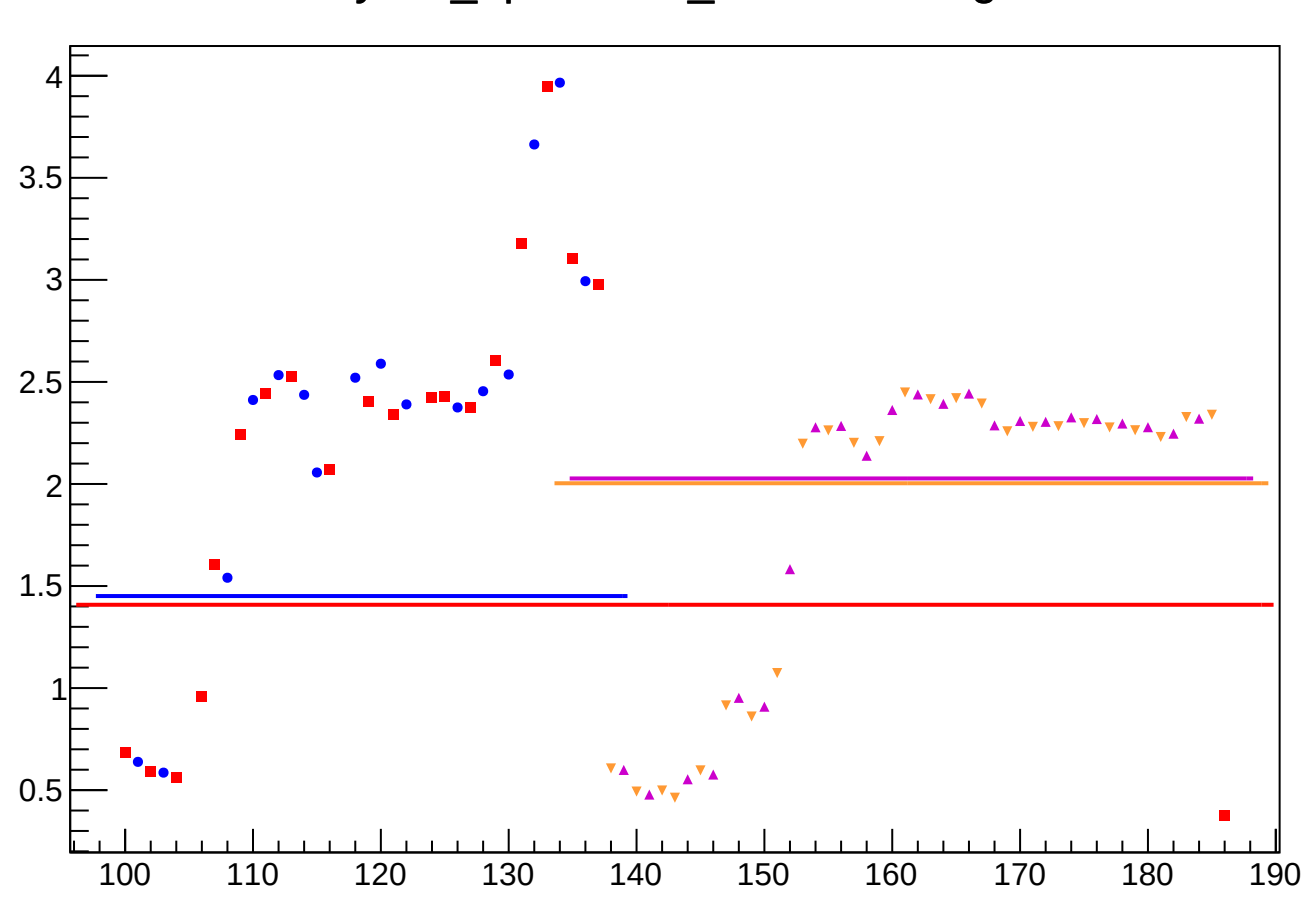
Right Out: 0.006+/-0.000 χ^2/NDF: 1520119.6/19

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 1905054.9/40

All: 0.006+/-0.000 χ^2/NDF: 3956839.0/83

- sign 0.006+/-0.000 χ^2/NDF: 2044333.5/42



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.408+/-0.000 χ^2/NDF: 201917170469.9/19

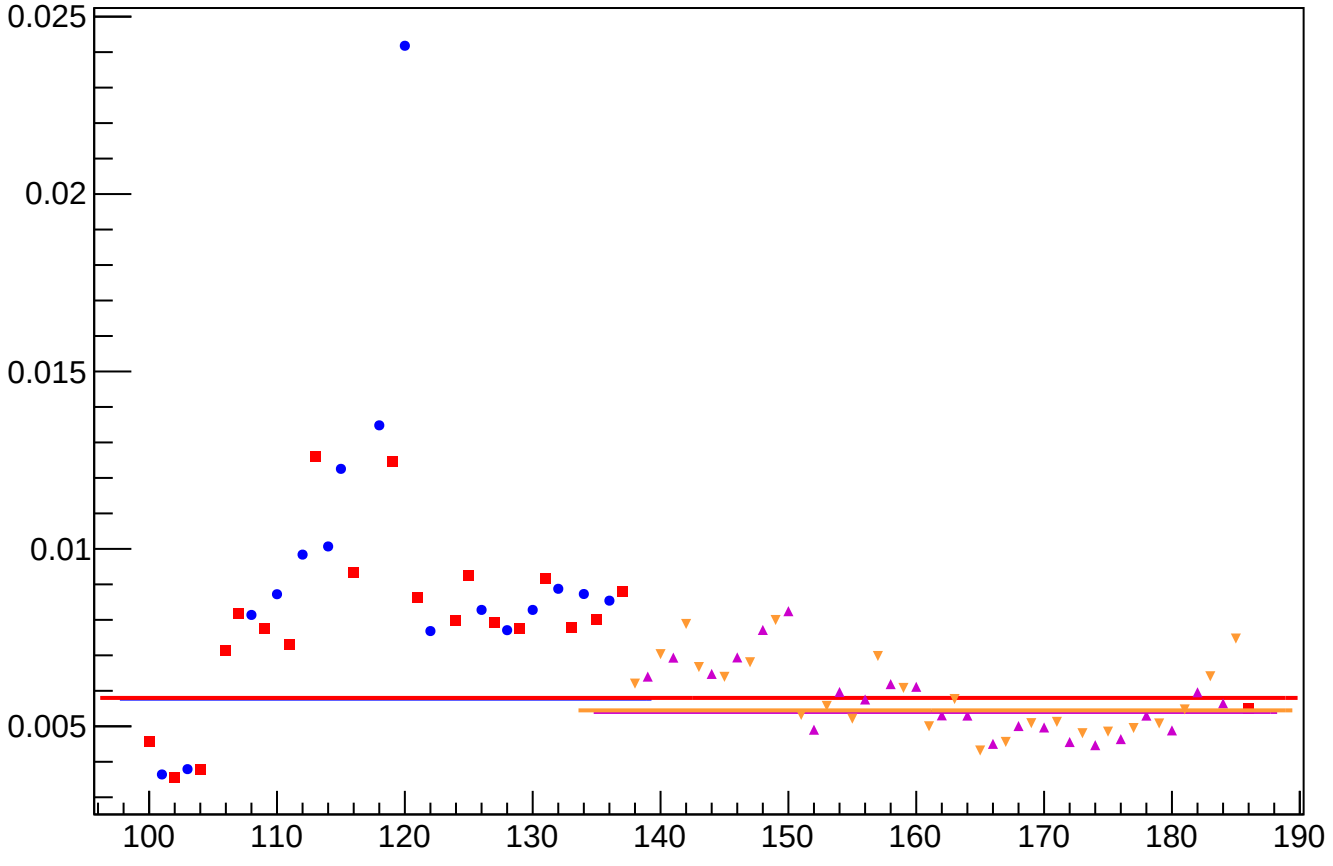
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.885+/-0.000 χ^2/NDF: 424787318143.1/40

All: 1.880+/-0.000 χ^2/NDF: 871499455965.4

- 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: 2213885.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

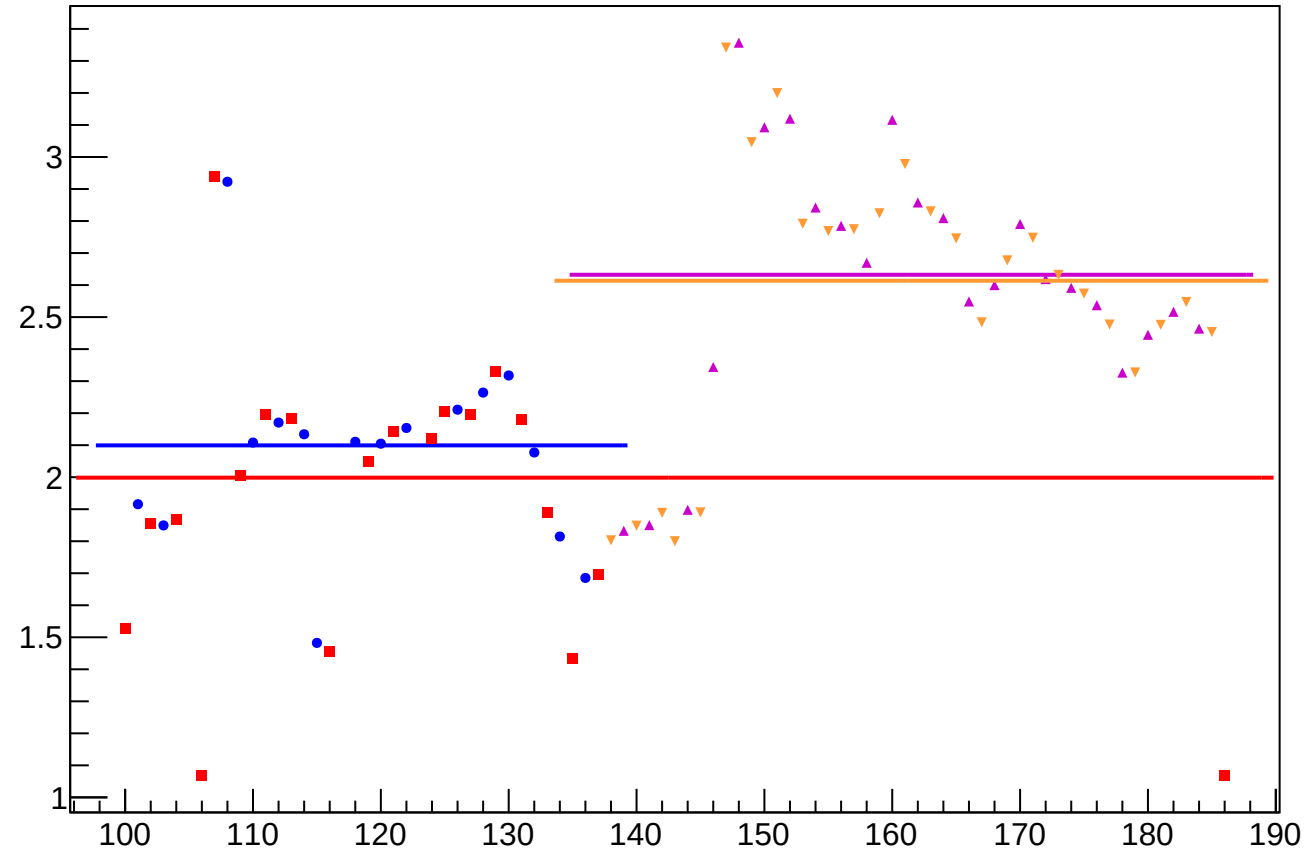
Right Out: 0.006+/-0.000 χ^2/NDF: 1958203.0/19

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.006+/-0.000 χ^2/NDF: 3011183.9/40

All: 0.006+/-0.000 χ^2/NDF: 5825700.7/83

- sign 0.006+/-0.000 χ^2/NDF: 2814306.4/42



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.999+/-0.000 χ^2/NDF: 21955564987.9/19

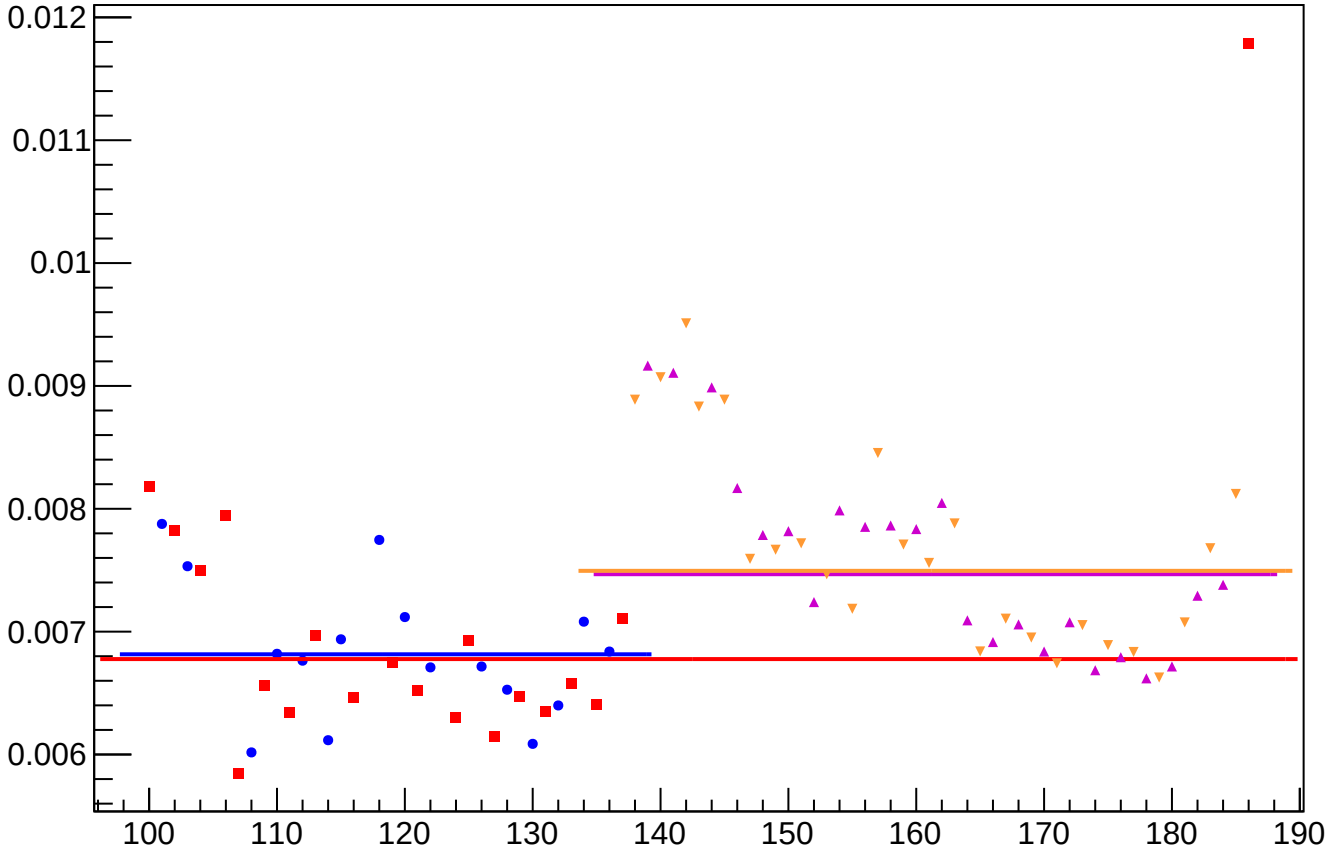
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.453+/-0.000 χ^2/NDF: 87041672683.3/40

All: 2.434+/-0.000 χ^2/NDF: 192640964046.0

- 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: 86781.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

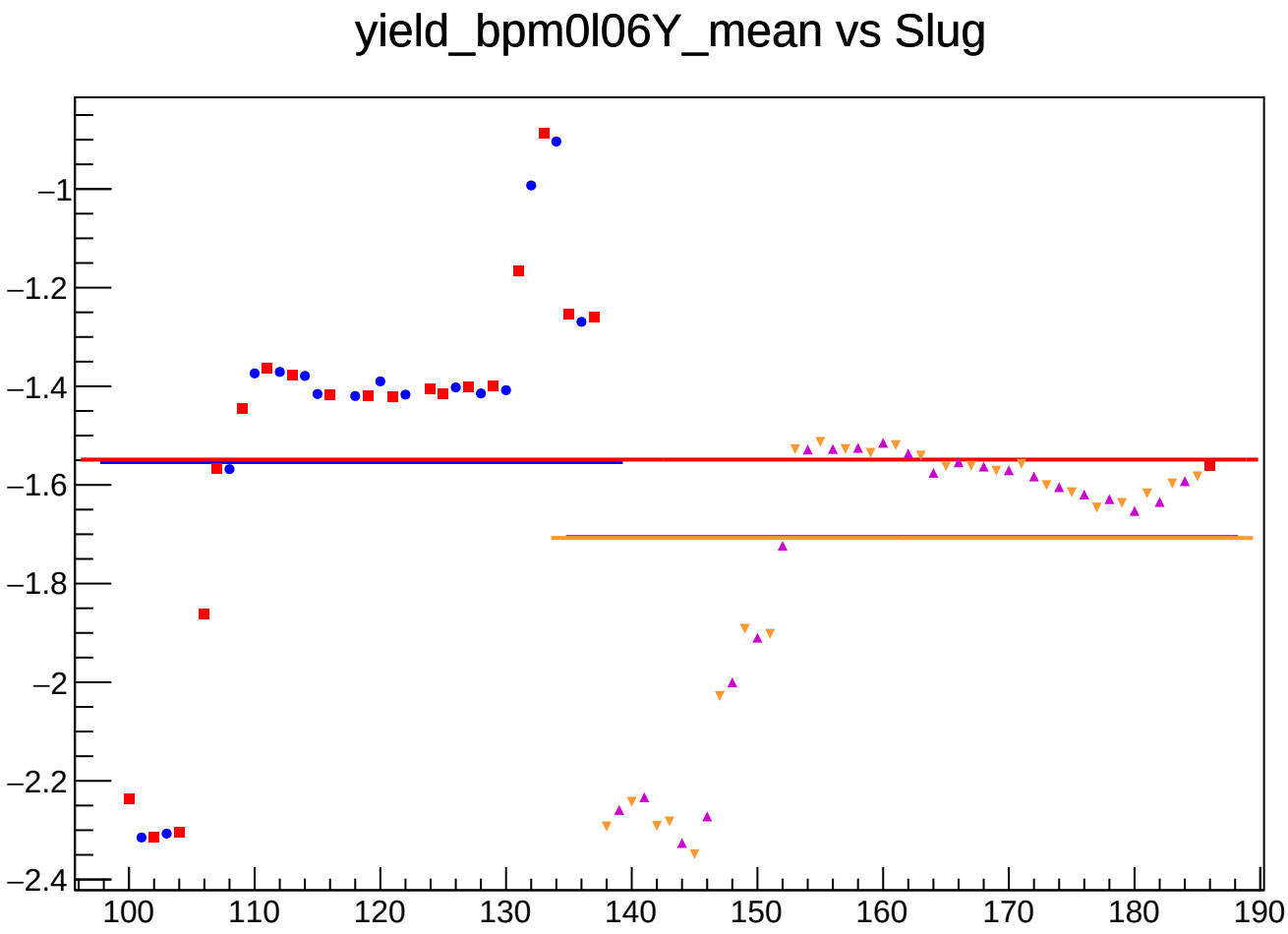
Right Out: 0.007+/-0.000 χ^2/NDF: 223448.9/19

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.007+/-0.000 χ^2/NDF: 512697.1/40

All: 0.007+/-0.000 χ^2/NDF: 1160961.2/83

- sign 0.007+/-0.000 χ^2/NDF: 646993.8/42



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.549+/-0.000 χ^2/NDF: 174748572804.9/19

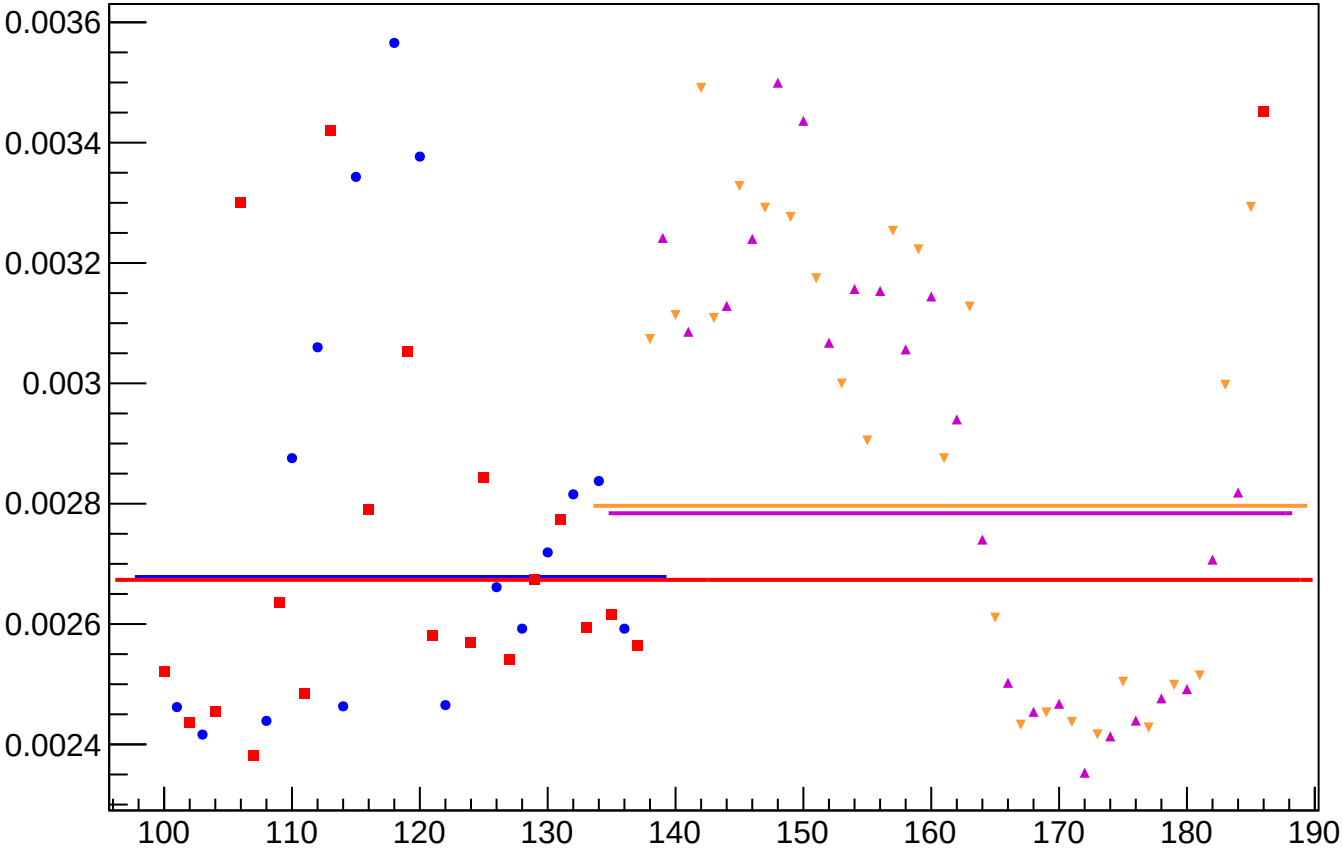
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.663+/-0.000 χ^2/NDF: 342768833680.8/40

All: -1.659+/-0.000 χ^2/NDF: 671442796683.9

- 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: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

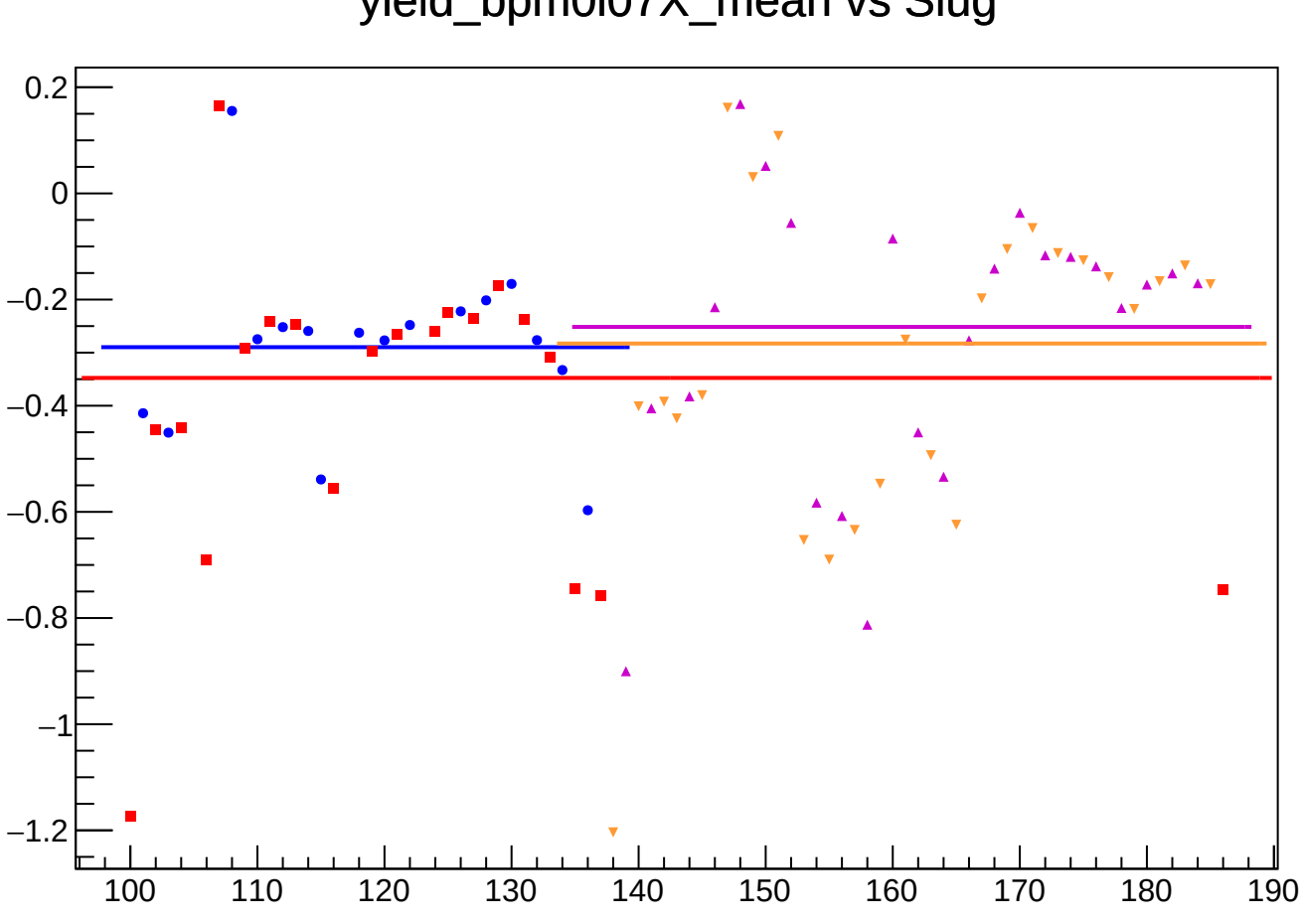
Right Out: 0.003+/-0.000 χ^2/NDF: 157560.9/19

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

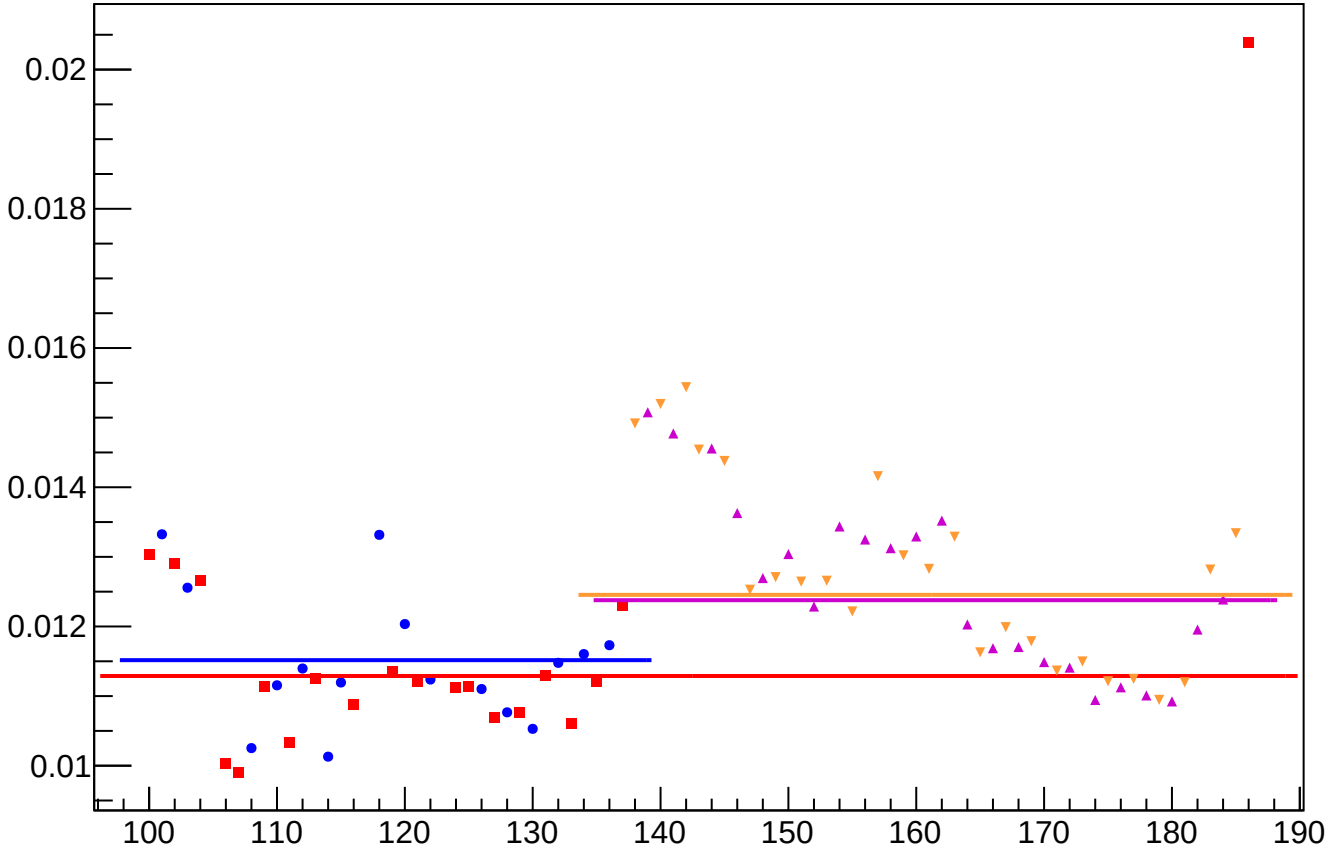
+ sign 0.003+/-0.000 χ^2/NDF: 724226.5/40

All: 0.003+/-0.000 χ^2/NDF: 1456712.8/83

- 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: -0.290+/-0.000 χ²/NDF: 1645174238.4/15
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: 10990408323.3/40
All: -0.285+/-0.000 χ²/NDF: 21269564388.0/
- sign -0.285+/-0.000 χ²/NDF: 10279146827.2/42

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.011+/-0.000 χ^2/NDF: 220024.6/19

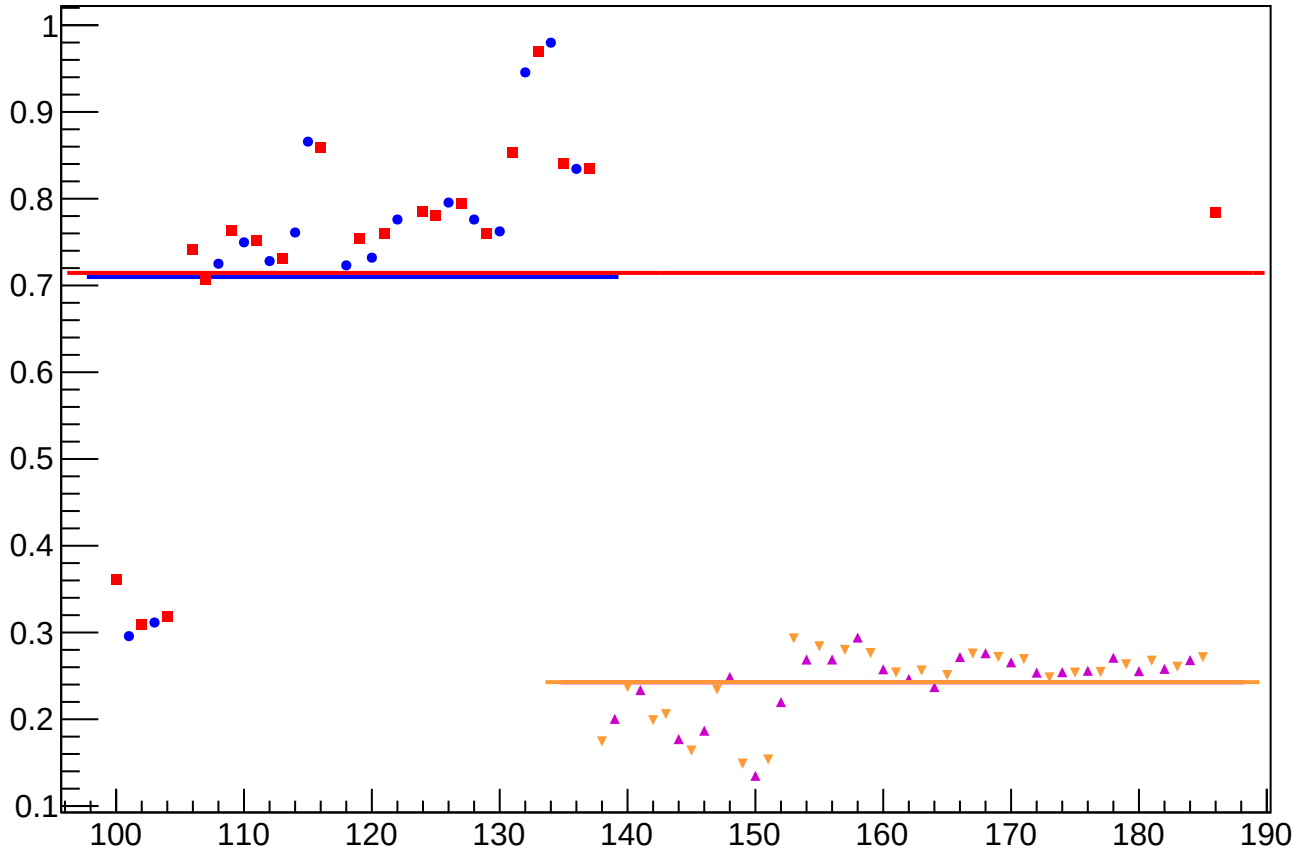
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 489276.8/40

All: 0.012+/-0.000 χ^2/NDF: 1132883.5/83

- sign 0.012+/-0.000 χ^2/NDF: 639047.4/42

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.714+/-0.000 χ^2/NDF: 44400546537.1/19

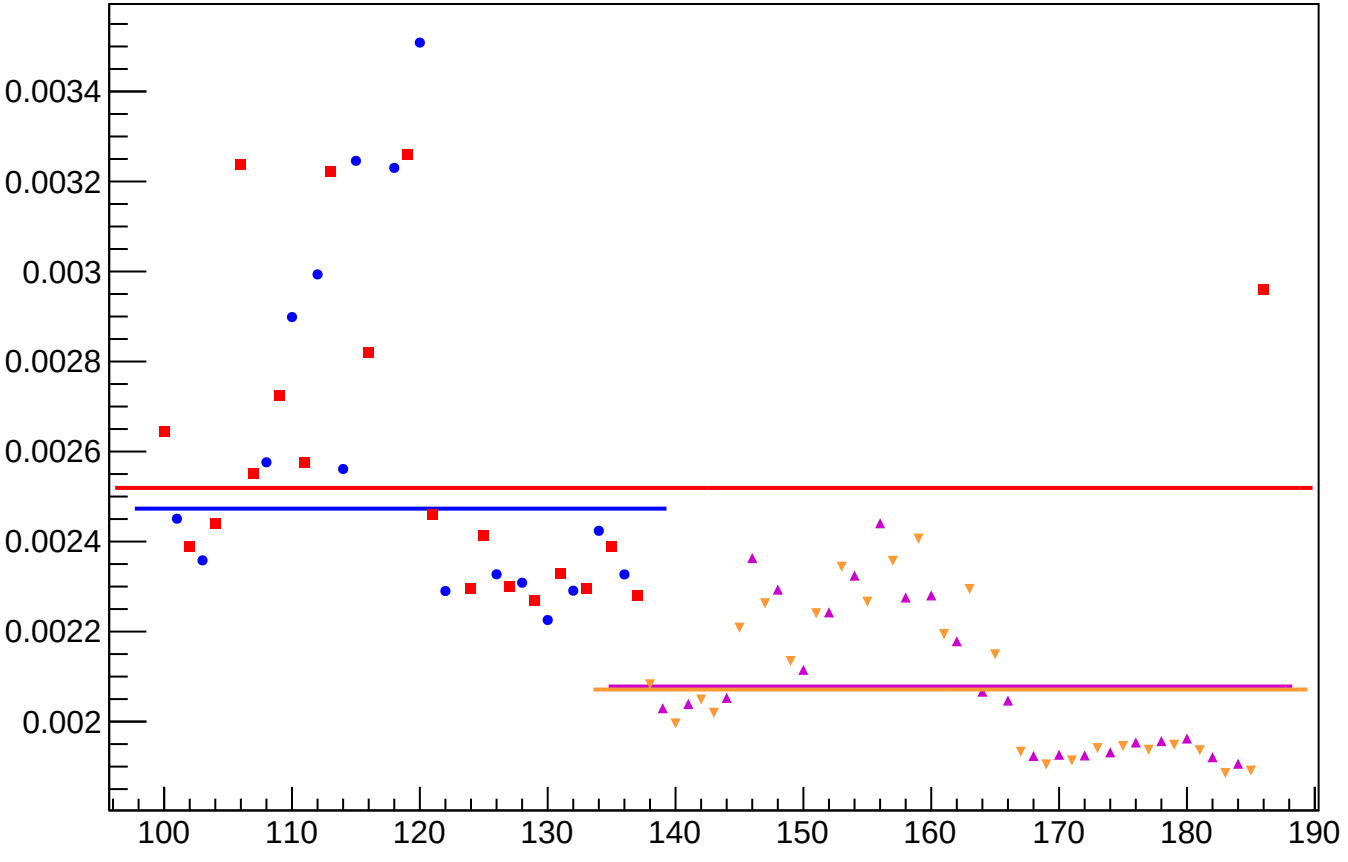
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.336+/-0.000 χ^2/NDF: 250560291998.9/40

All: 0.341+/-0.000 χ^2/NDF: 504579336657.5

- 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: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 195804.2/19

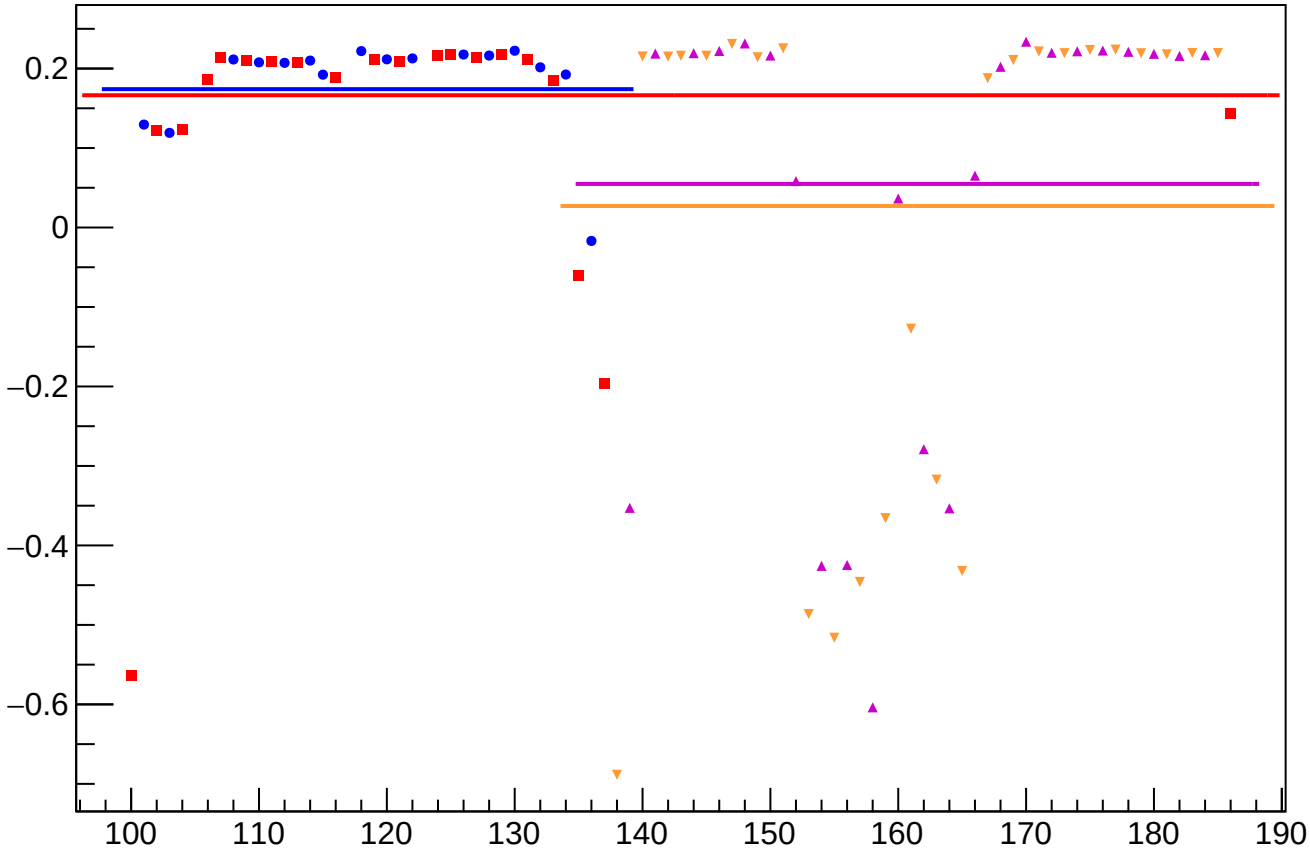
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 729859.9/40

All: 0.002+/-0.000 χ^2/NDF: 1496098.9/83

- 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: 401946344.0/15

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.166+/-0.000 χ^2/NDF: 894727609.3/19

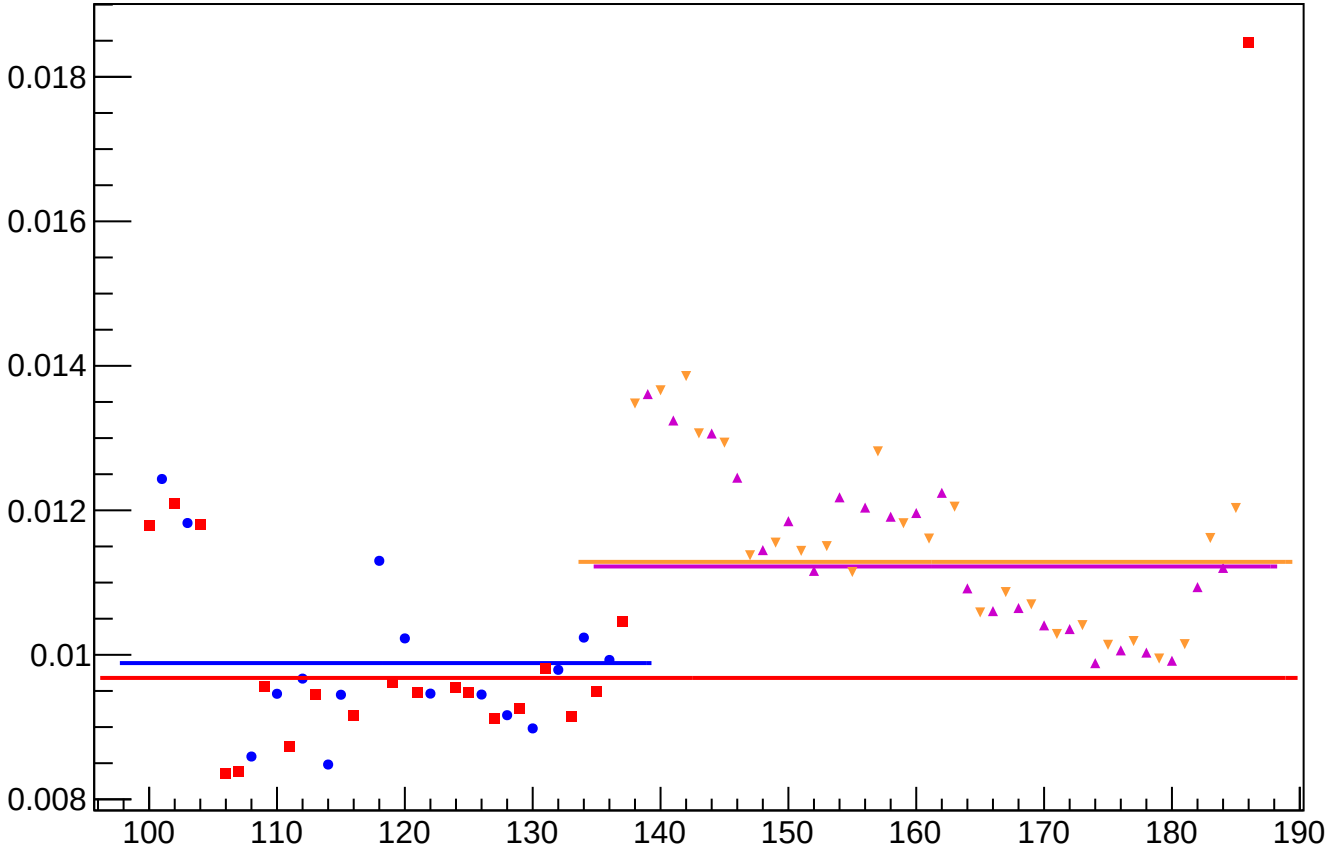
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.075+/-0.000 χ^2/NDF: 14395949250.6/40

All: 0.086+/-0.000 χ^2/NDF: 25669397516.1/8

- 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: 148562.0/15

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

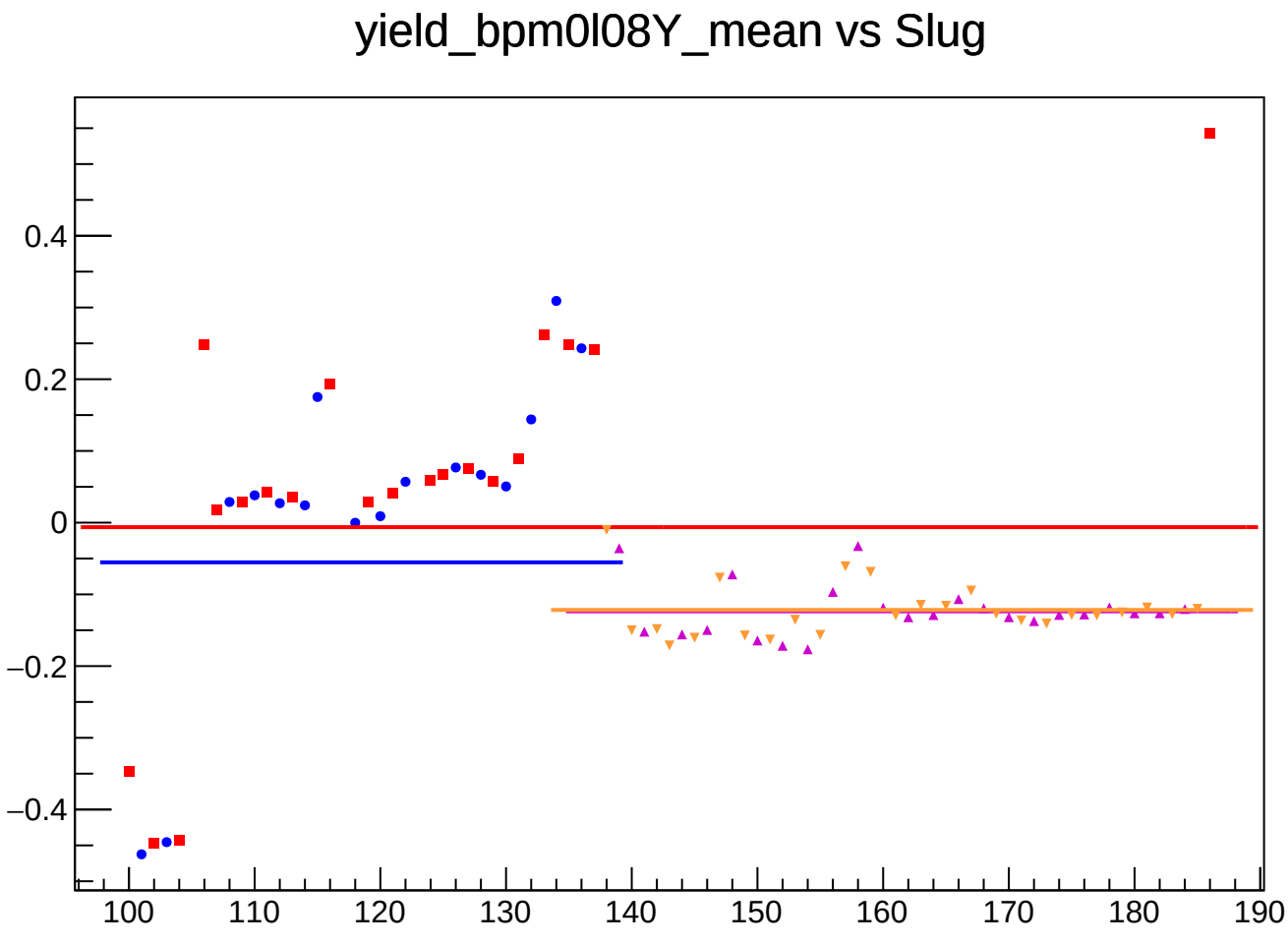
Right Out: 0.010+/-0.000 χ^2/NDF: 306411.4/19

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 661900.3/40

All: 0.011+/-0.000 χ^2/NDF: 1530406.0/83

- sign 0.011+/-0.000 χ^2/NDF: 862229.0/42



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: -0.006+/-0.000 χ^2/NDF: 29157326679.9/19

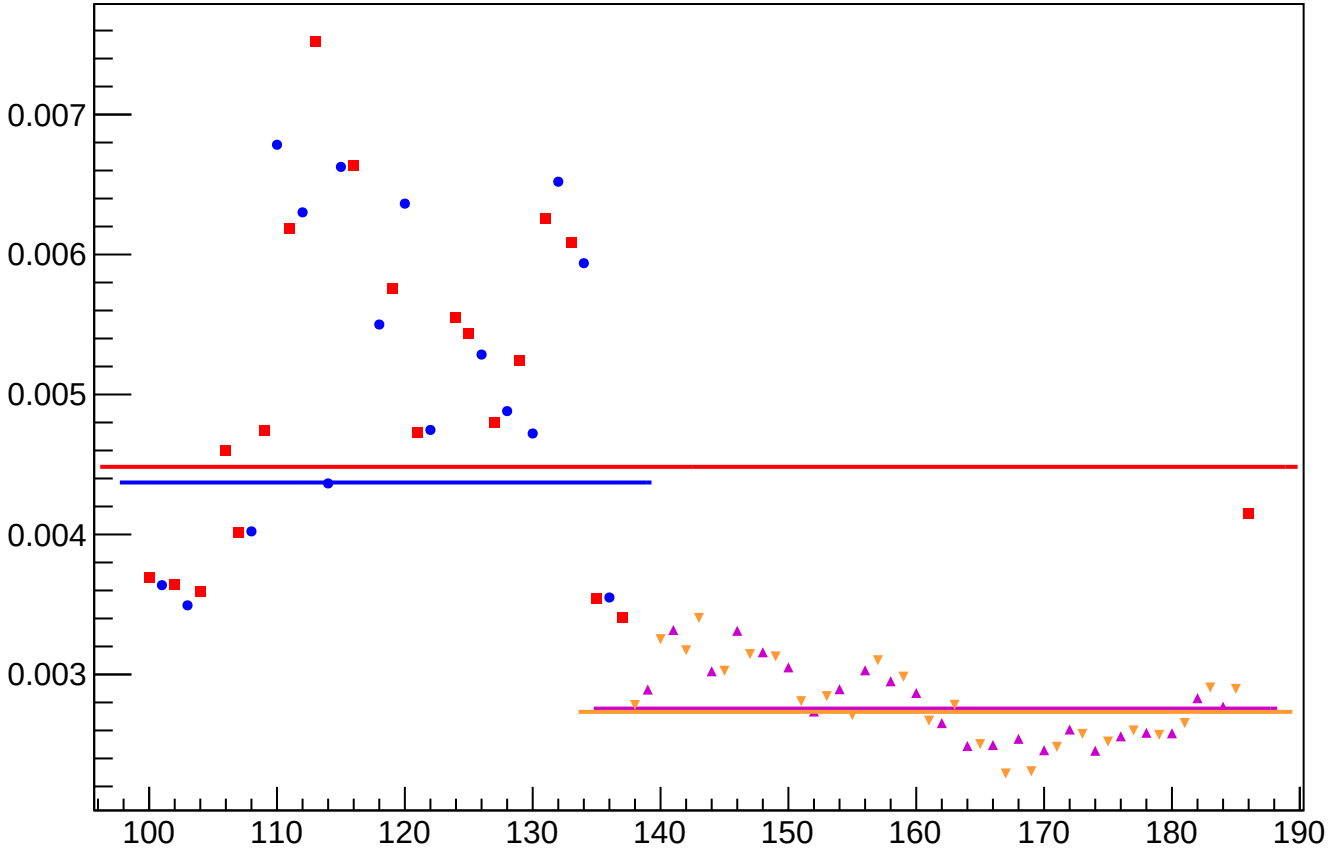
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.114+/-0.000 χ^2/NDF: 28249922582.4/40

All: -0.111+/-0.000 χ^2/NDF: 64297194888.4/

- 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: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 709838.5/19

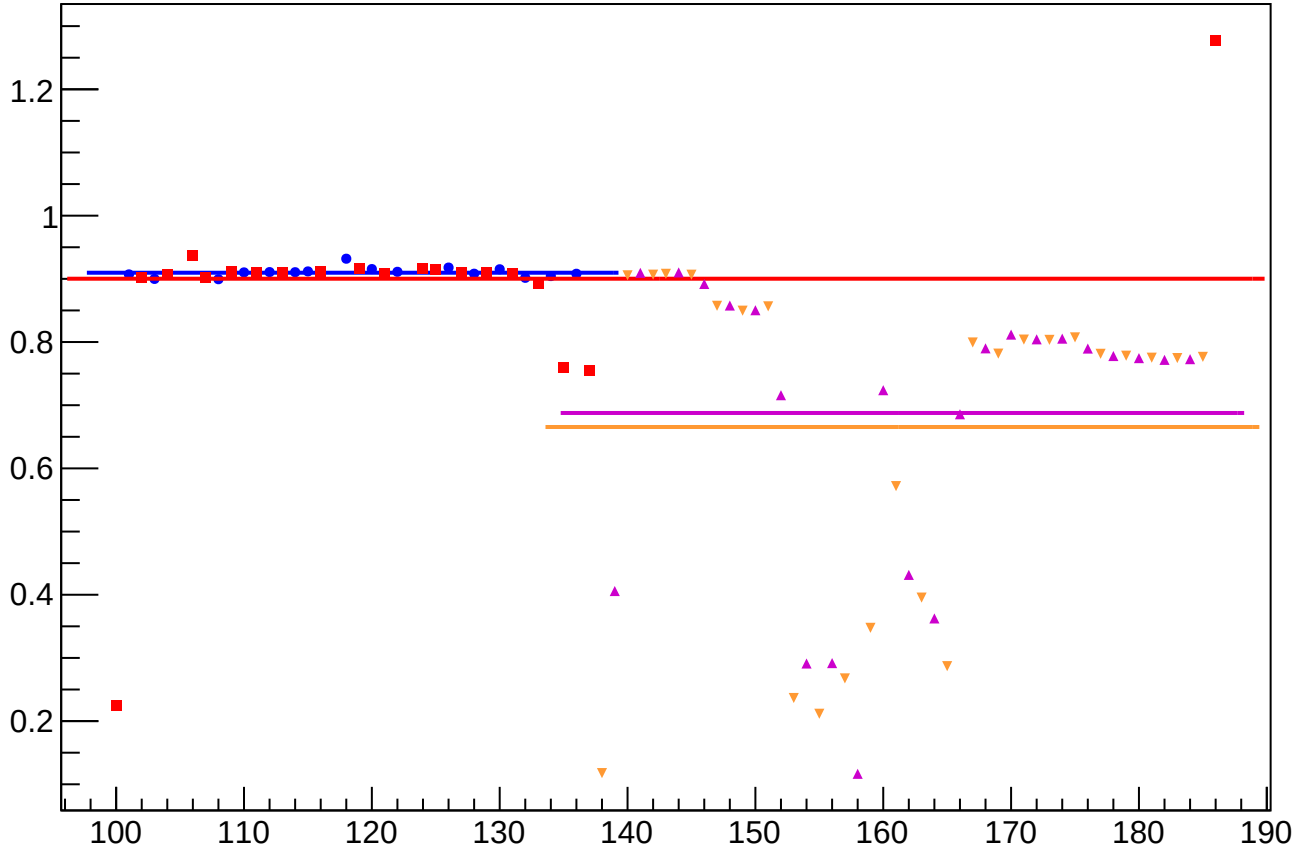
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 2569234.3/40

All: 0.003+/-0.000 χ^2/NDF: 5330455.9/83

- sign 0.003+/-0.000 χ^2/NDF: 2752626.9/42

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 0.900+/-0.000 χ^2/NDF: 503045761.2/19

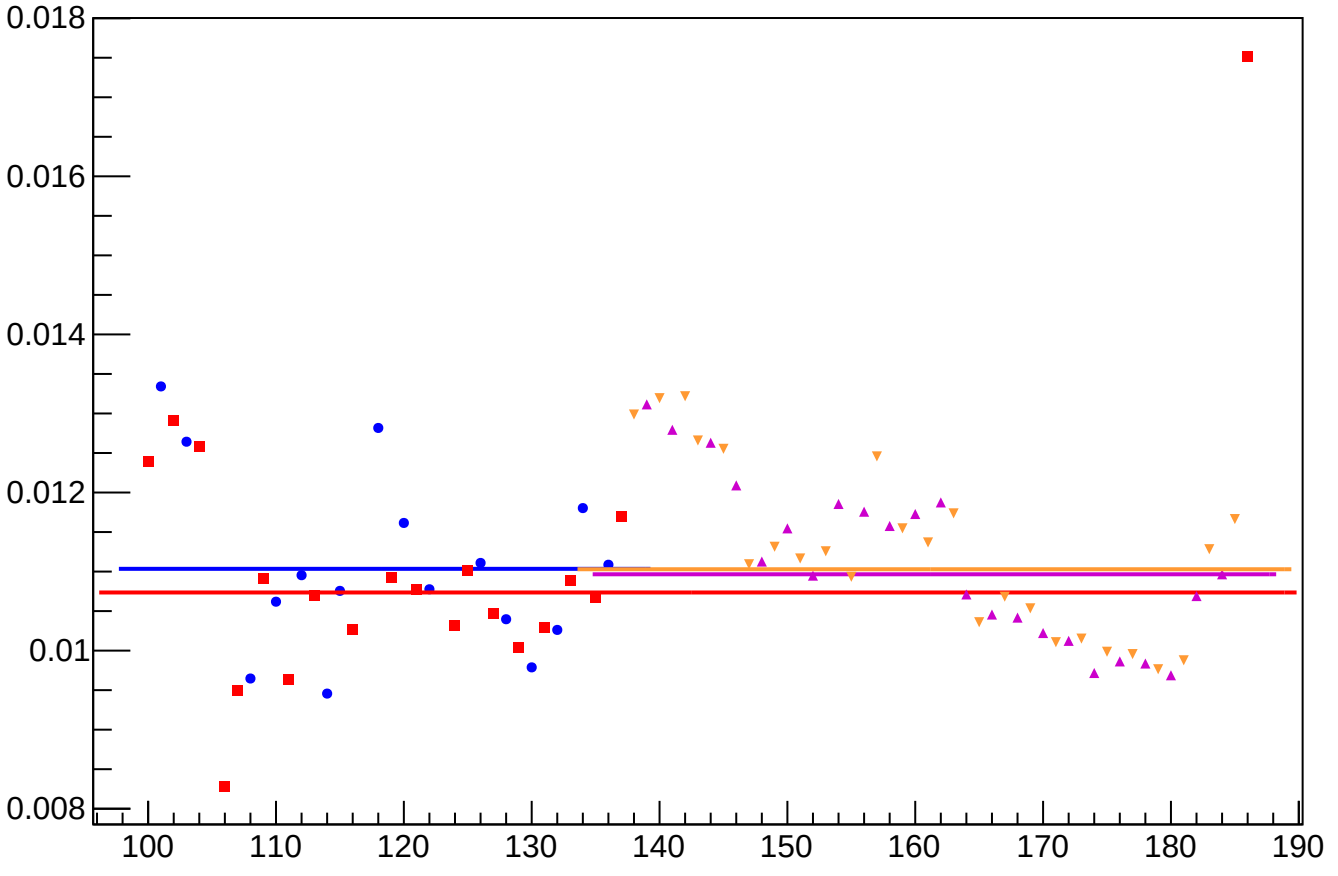
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.732+/-0.000 χ^2/NDF: 11666549512.4/40

All: 0.743+/-0.000 χ^2/NDF: 21250768604.0/8

- 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: 130353.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

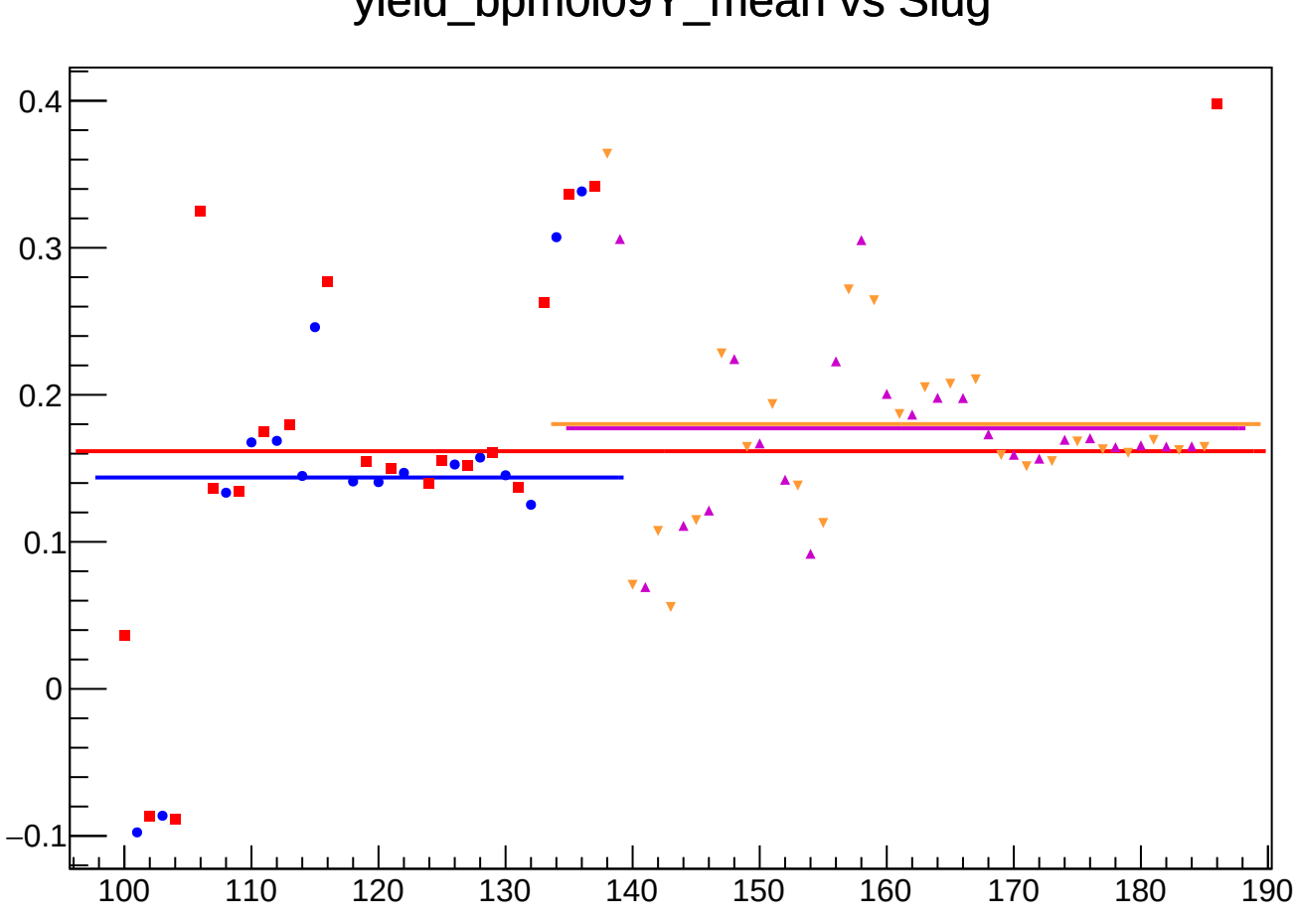
Right Out: 0.011+/-0.000 χ^2/NDF: 257444.4/19

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 429800.2/40

All: 0.011+/-0.000 χ^2/NDF: 983564.1/83

- sign 0.011+/-0.000 χ^2/NDF: 549863.8/42



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.162+/-0.000 χ^2/NDF: 8114417710.0/19

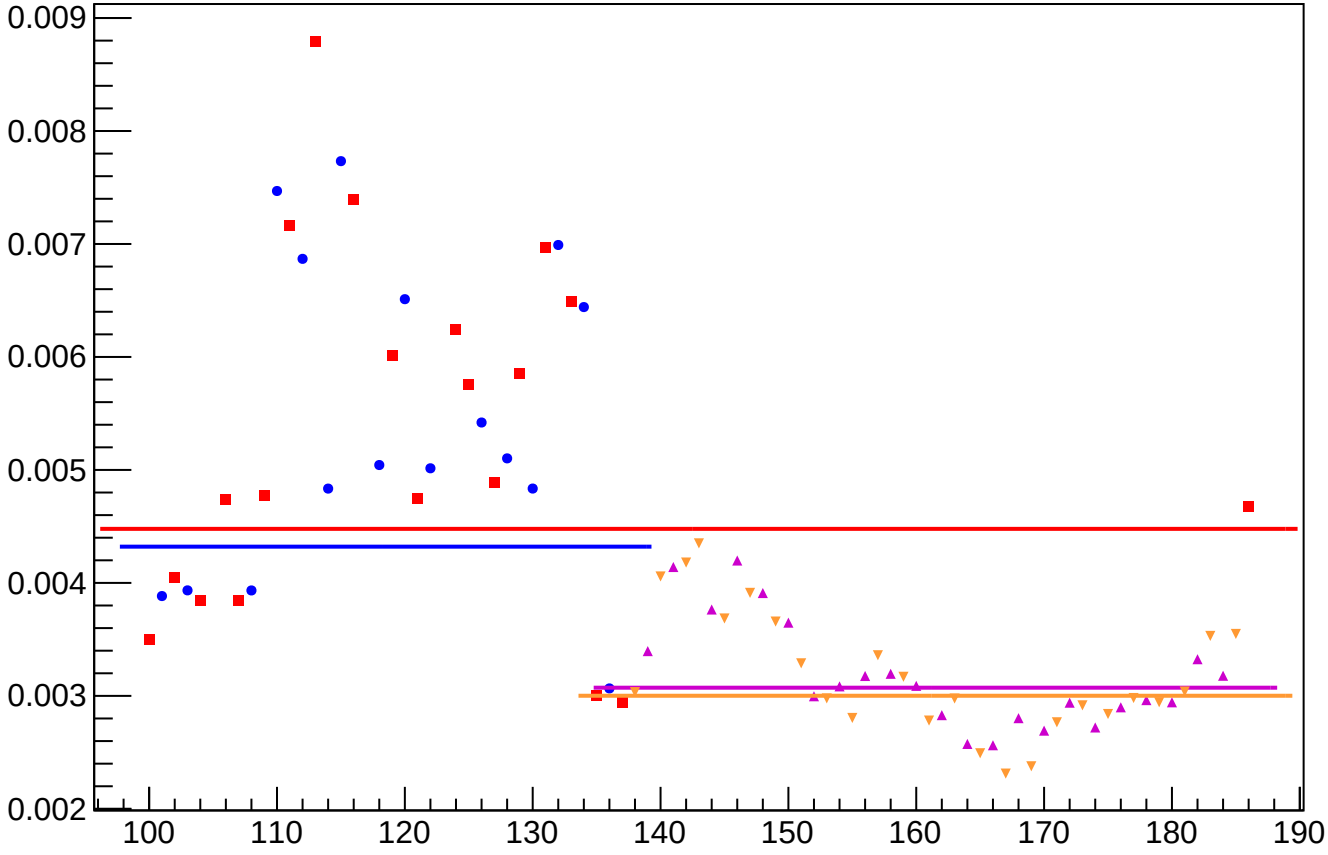
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.175+/-0.000 χ^2/NDF: 14666284128.1/40

All: 0.175+/-0.000 χ^2/NDF: 27466179213.4/8

- 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: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

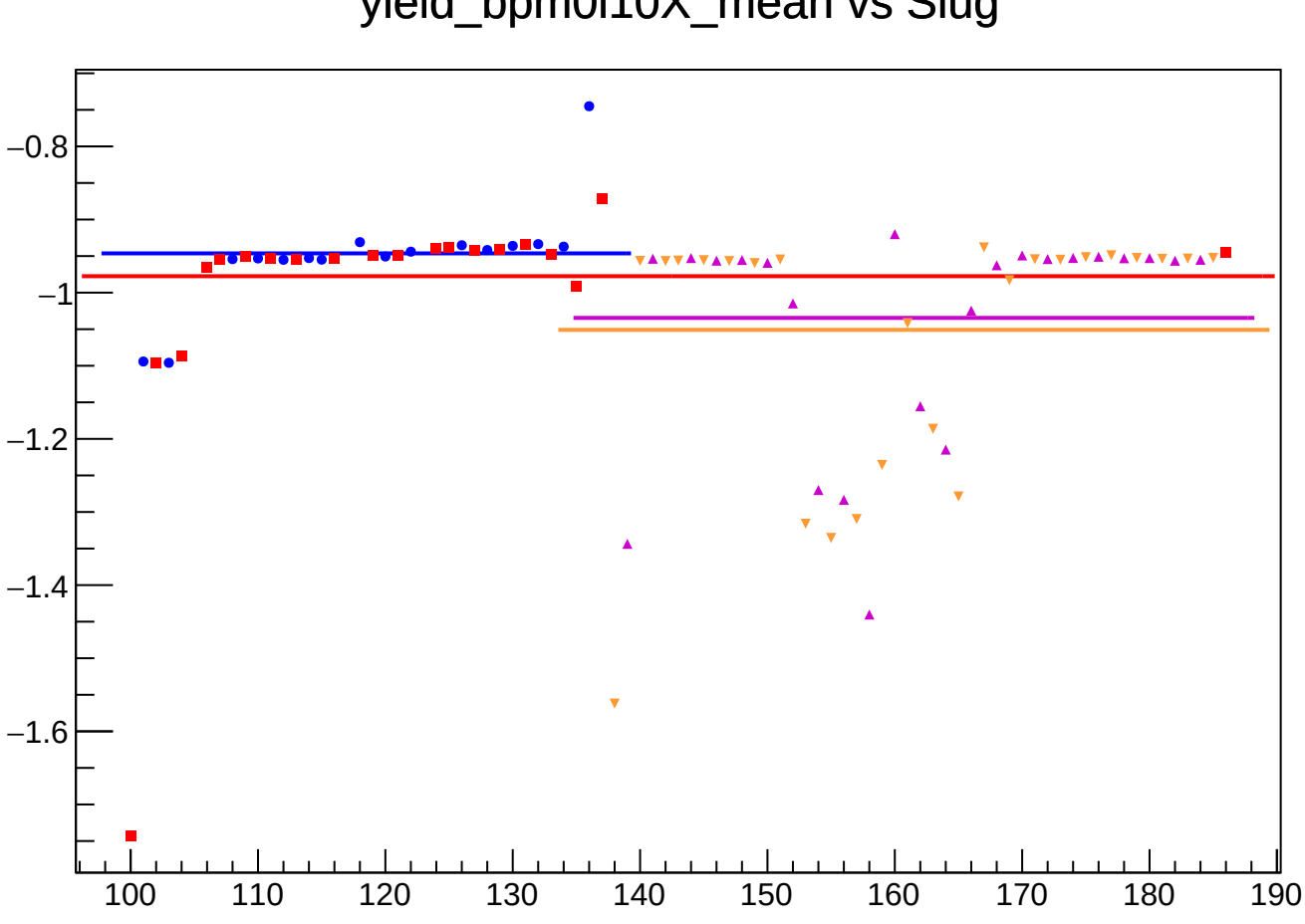
Right Out: 0.004+/-0.000 χ^2/NDF: 1087205.8/19

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 2690546.4/40

All: 0.003+/-0.000 χ^2/NDF: 5444202.2/83

- sign 0.003+/-0.000 χ^2/NDF: 2729951.9/42



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.978+/-0.000 χ^2/NDF: 462753480.4/19

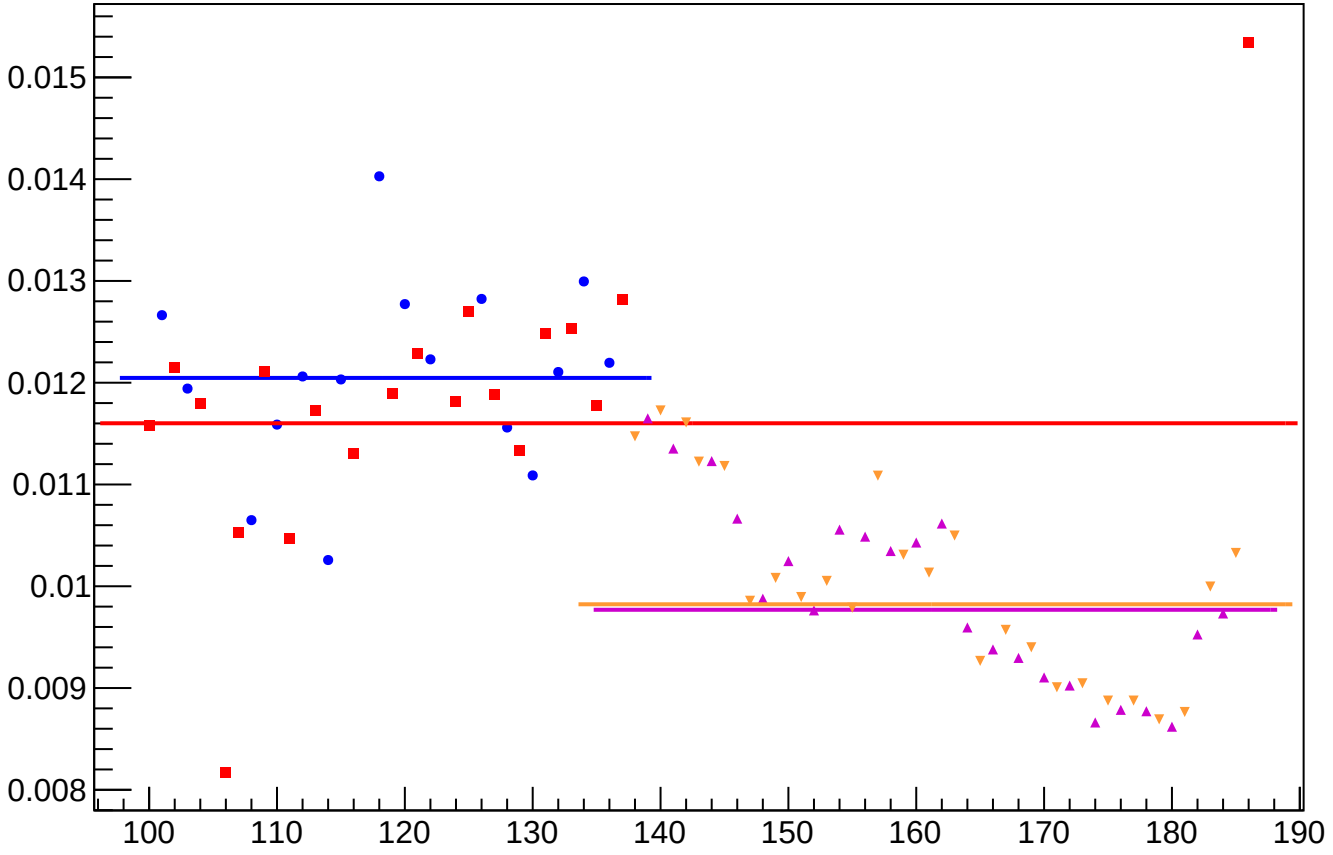
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.030+/-0.000 χ^2/NDF: 5901609817.1/40

All: -1.026+/-0.000 χ^2/NDF: 10438773506.1/

- sign -1.021+/-0.000 χ^2/NDF: 4527693709.0/42

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

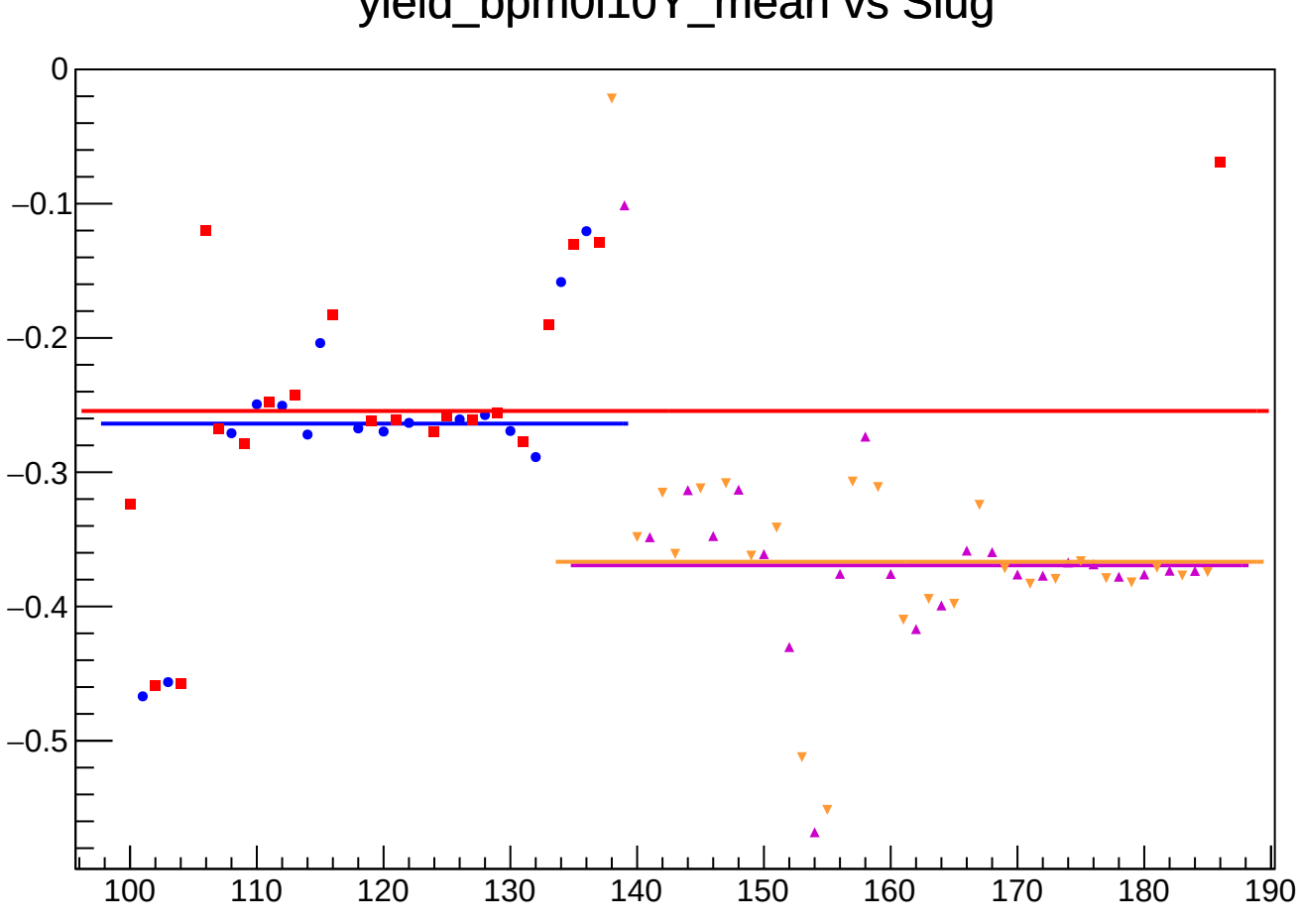
Right Out: 0.012+/-0.000 χ^2/NDF: 196777.6/19

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 731975.9/40

All: 0.010+/-0.000 χ^2/NDF: 1499171.4/83

- sign 0.010+/-0.000 χ^2/NDF: 766094.7/42



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.254+/-0.000 χ^2/NDF: 5871269608.9/19

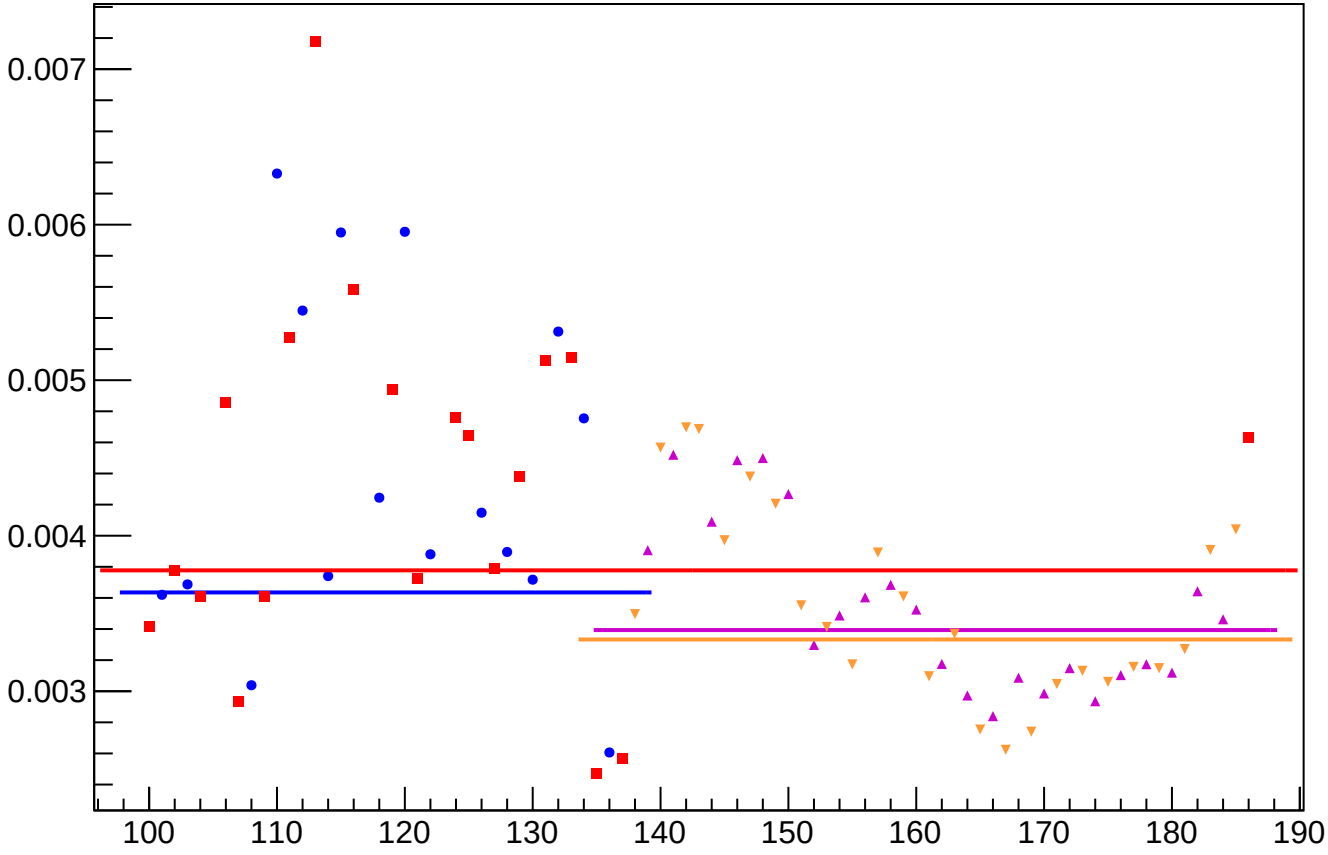
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.344+/-0.000 χ^2/NDF: 21671817794.5/40

All: -0.343+/-0.000 χ^2/NDF: 39638731976.0/

- 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: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 920810.2/19

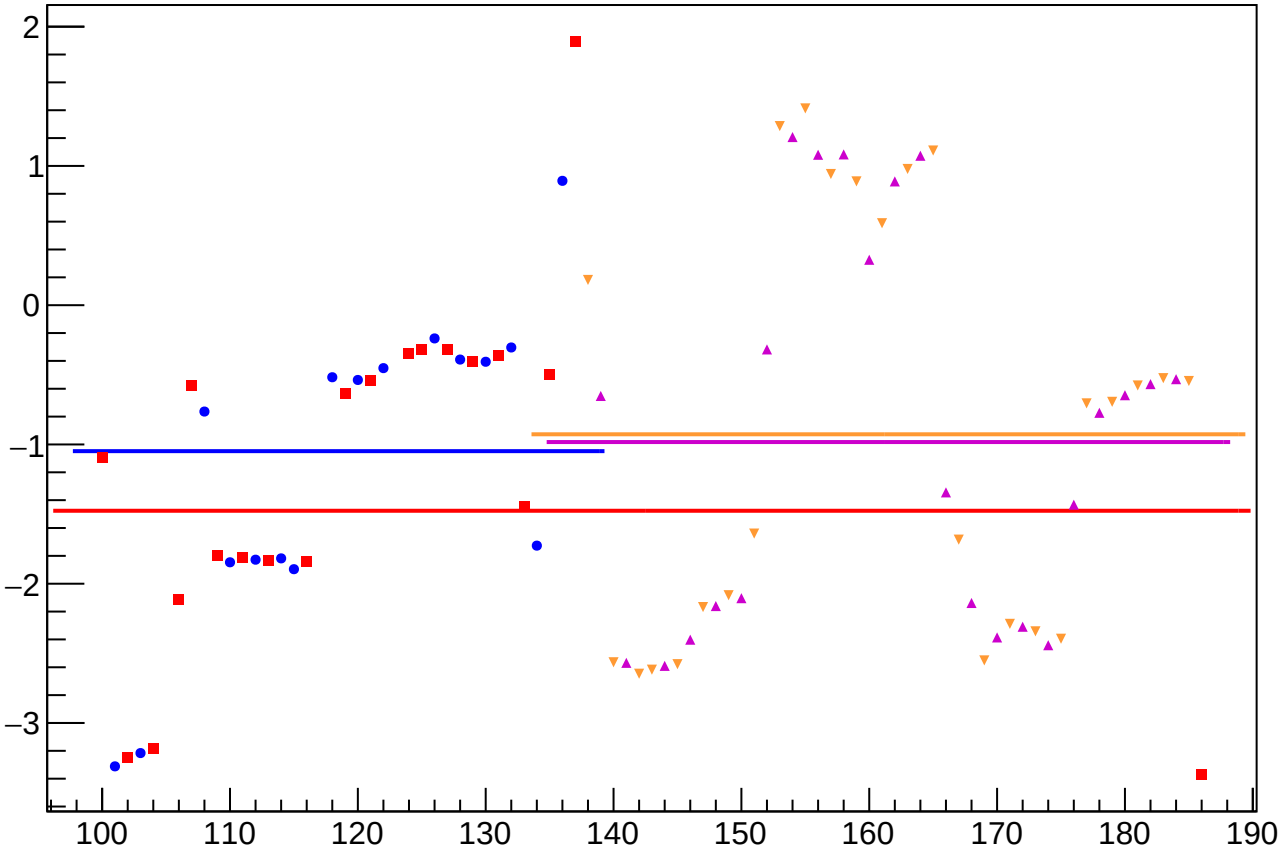
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1648881.9/40

All: 0.003+/-0.000 χ^2/NDF: 3318330.4/83

- sign 0.003+/-0.000 χ^2/NDF: 1655021.3/42

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

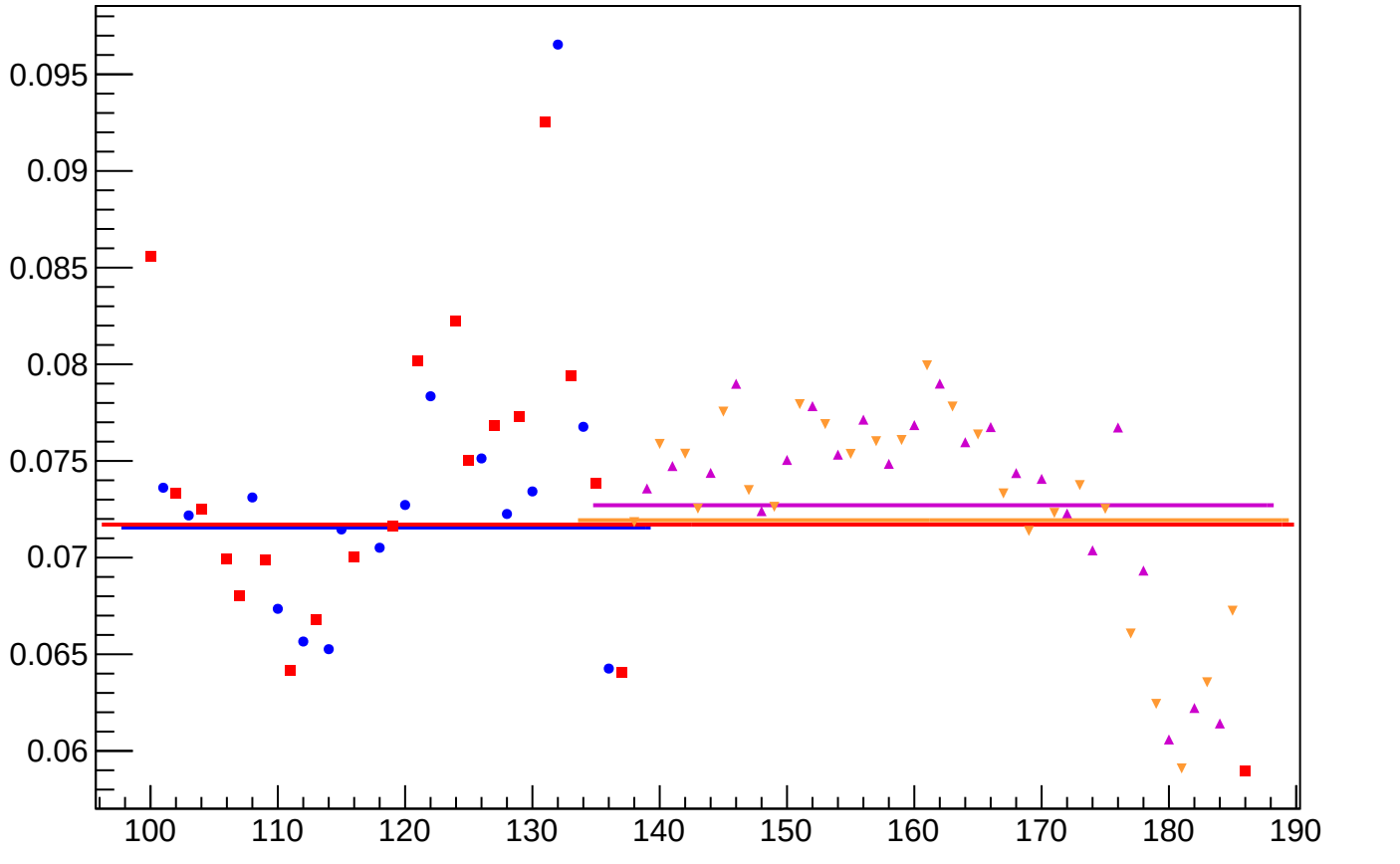
Right Out: -1.476+/-0.000 χ^2/NDF: 2293283919.2/19

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -0.960+/-0.000 χ^2/NDF: 9610339332.9/40

All: -1.045+/-0.000 χ^2/NDF: 18148317293.2/

- sign -1.133+/-0.000 χ^2/NDF: 8463651095.2/42



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

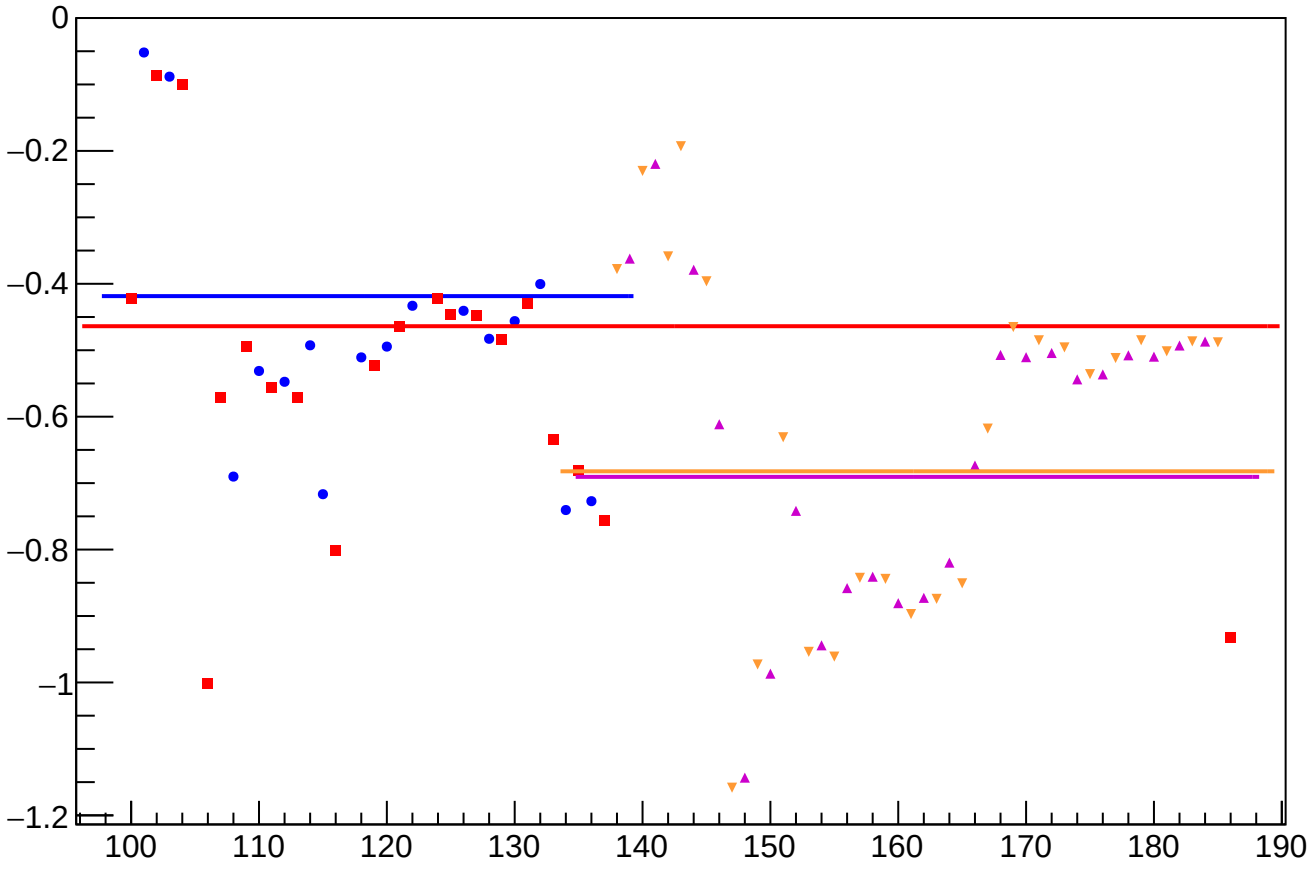
Right Out: 0.072+/-0.000 χ^2/NDF: 137104.0/19

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.072+/-0.000 χ^2/NDF: 337058.5/40

All: 0.072+/-0.000 χ^2/NDF: 674867.2/83

- sign 0.072+/-0.000 χ^2/NDF: 336187.9/42



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.464+/-0.000 χ^2/NDF: 3941879031.1/19

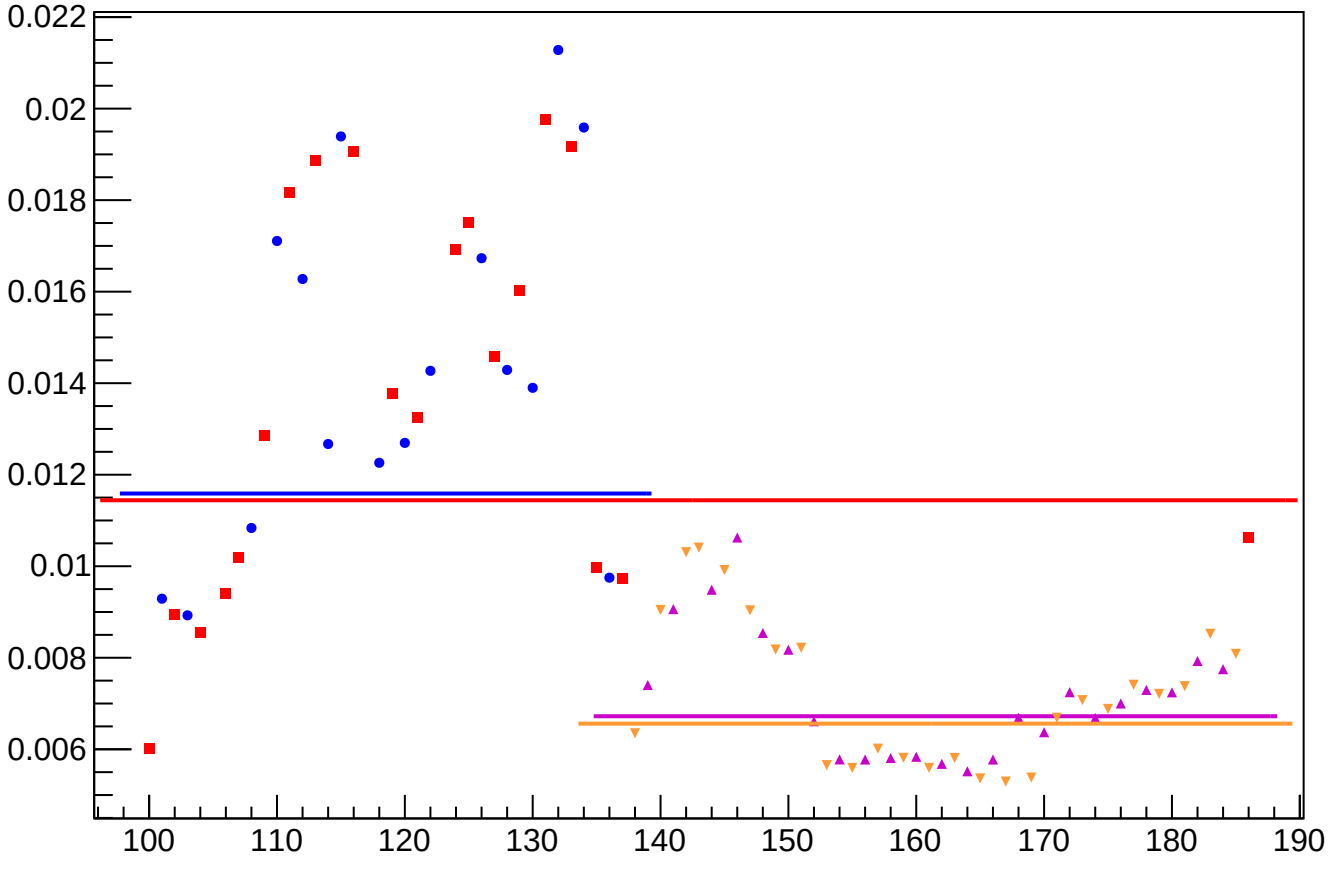
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.656+/-0.000 χ^2/NDF: 27678473111.8/40

All: -0.660+/-0.000 χ^2/NDF: 50710465029.7/

- 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: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.011+/-0.000 χ^2/NDF: 1169180.0/19

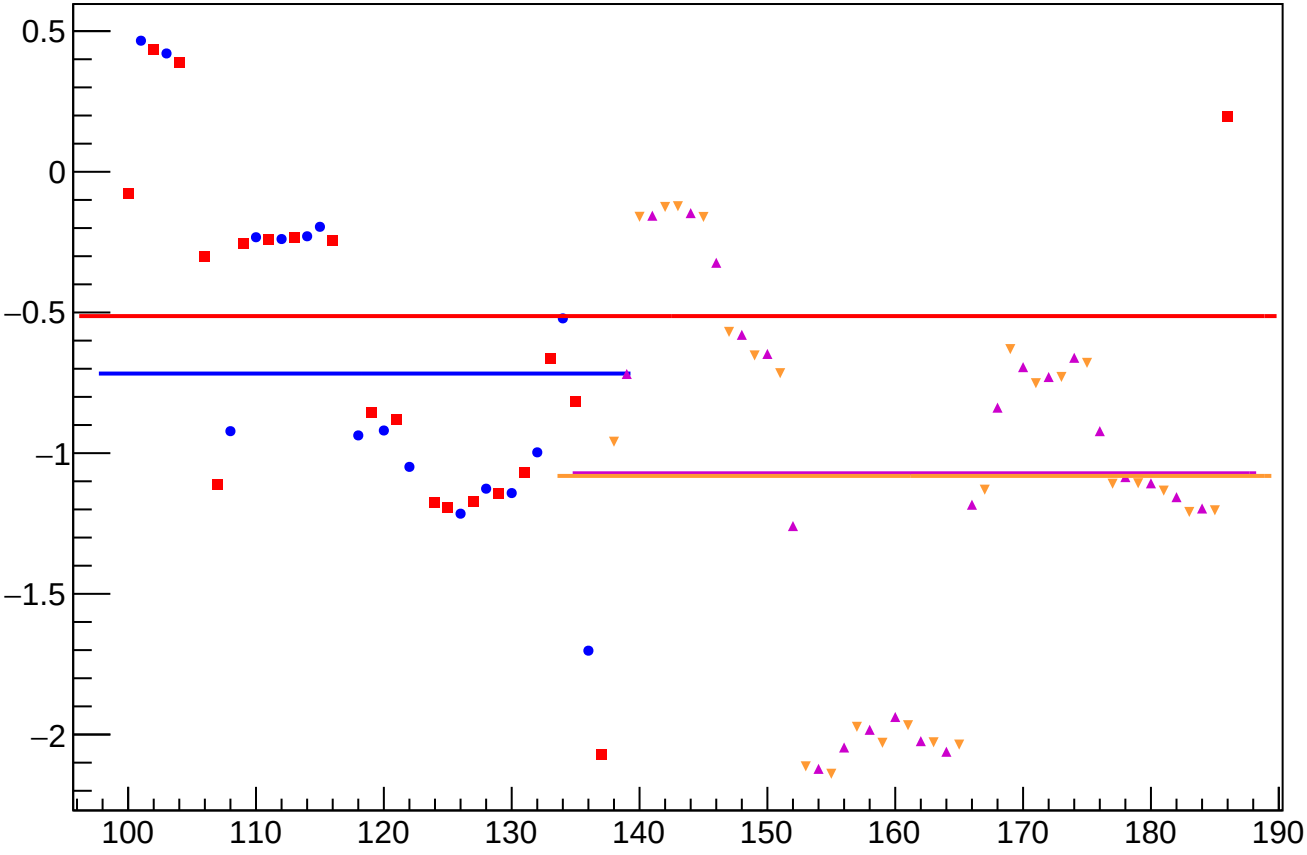
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4214880.6/40

All: 0.007+/-0.000 χ^2/NDF: 8279019.4/83

- sign 0.007+/-0.000 χ^2/NDF: 4043628.1/42

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.513+/-0.000 χ^2/NDF: 394214175.6/19

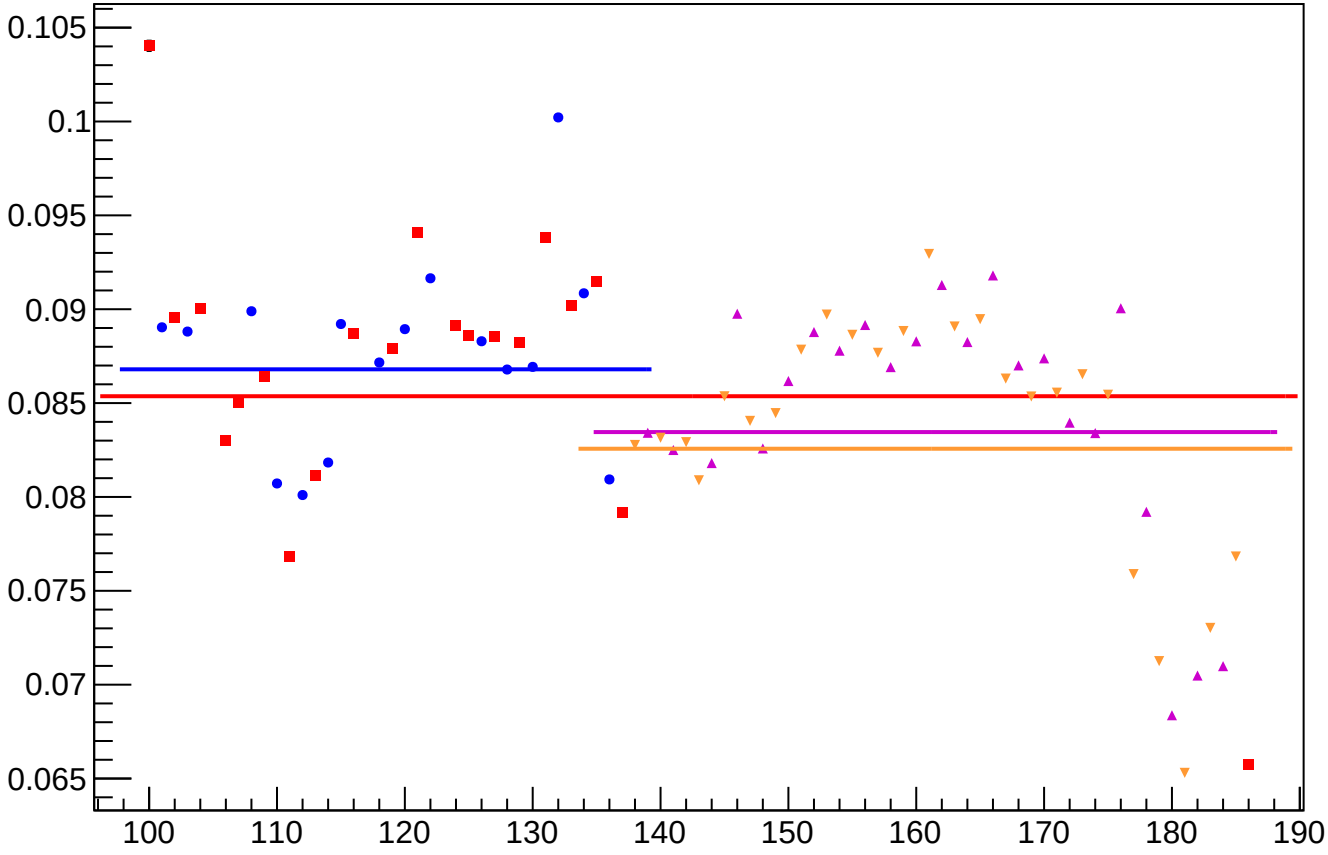
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.989+/-0.000 χ^2/NDF: 1683763253.7/40

All: -0.949+/-0.000 χ^2/NDF: 3302505624.2/8

- sign -0.908+/-0.000 χ^2/NDF: 1606760978.3/42

yield_bpm0r05X_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.085+/-0.000 χ^2/NDF: 126030.4/19

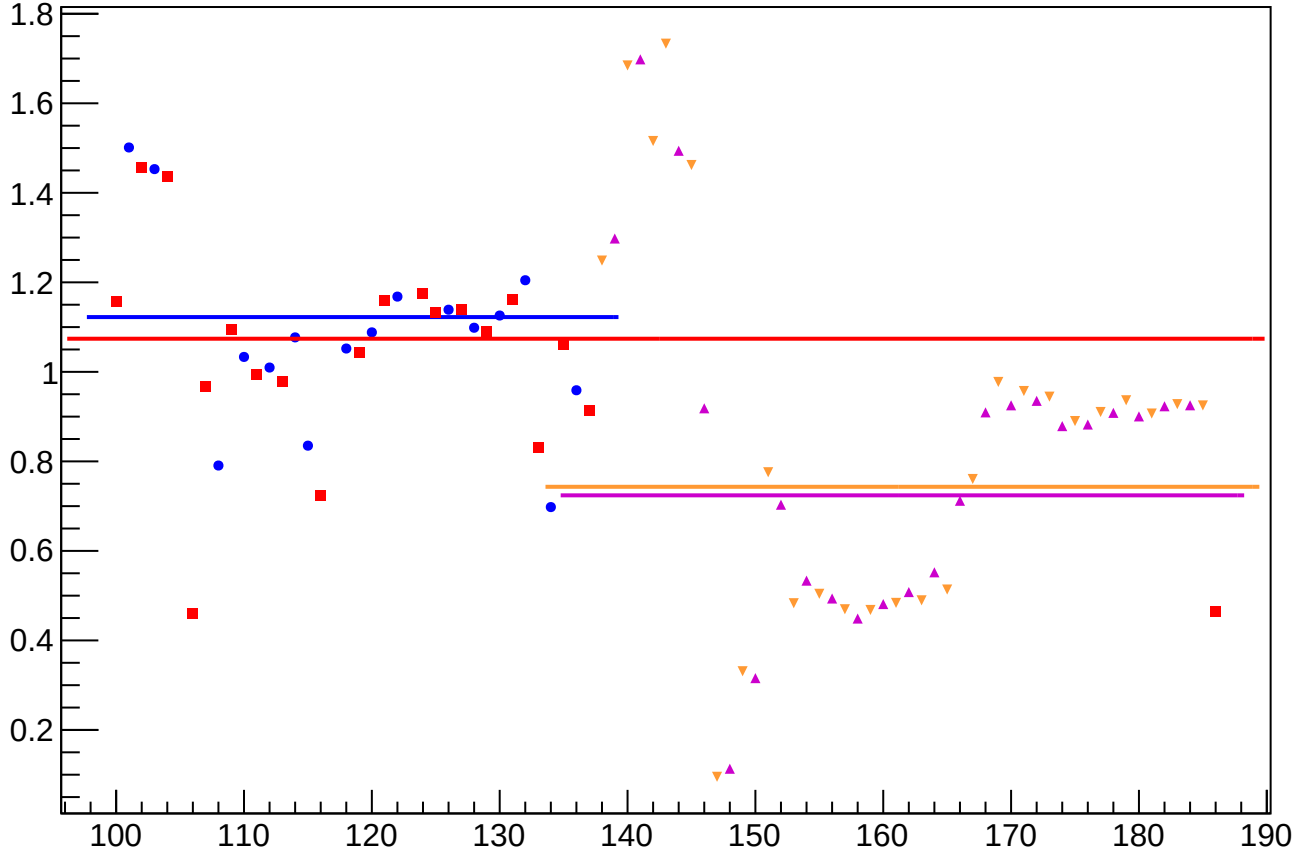
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.084+/-0.000 χ^2/NDF: 360143.3/40

All: 0.084+/-0.000 χ^2/NDF: 730637.9/83

- sign 0.084+/-0.000 χ^2/NDF: 369978.2/42

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

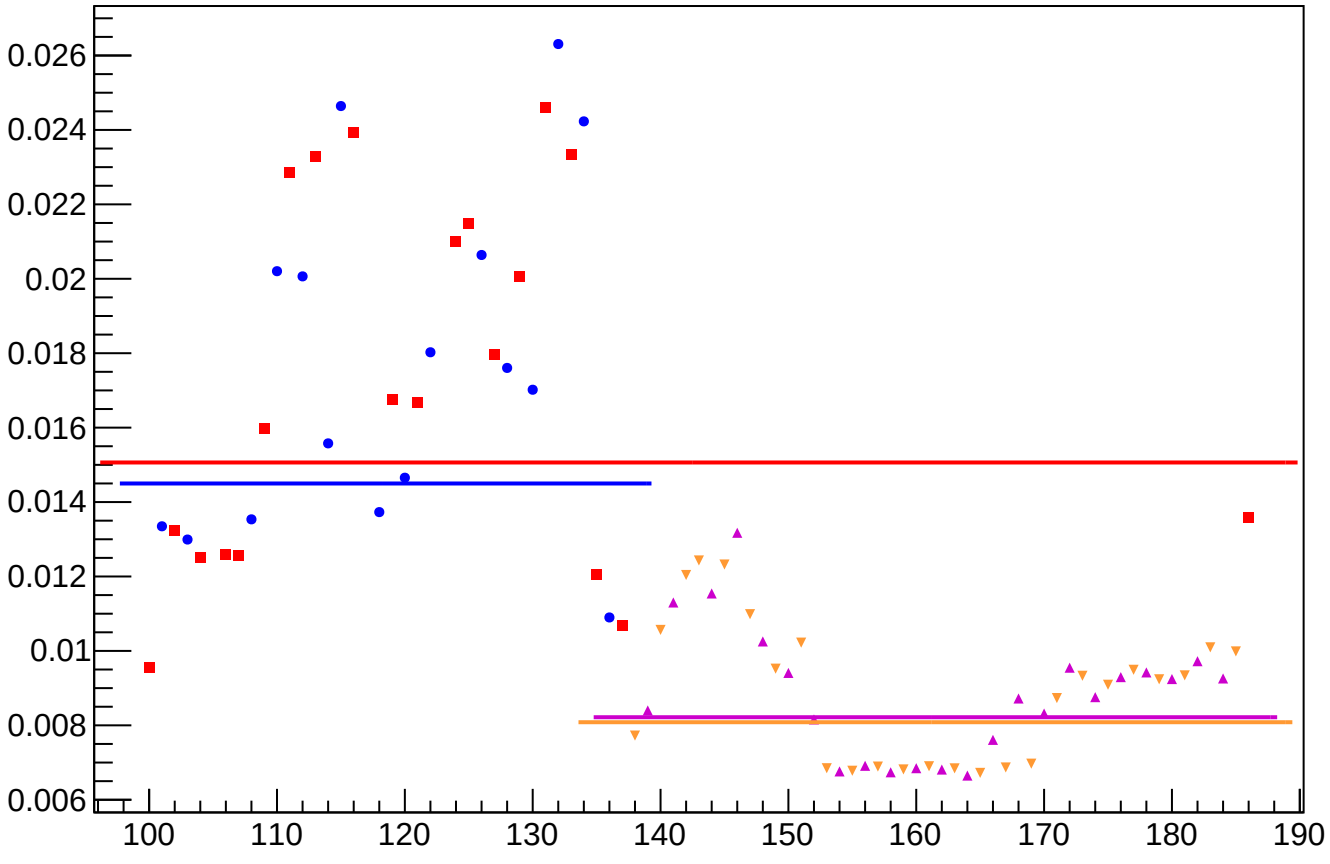
Right Out: 1.074+/-0.000 χ^2/NDF: 2335941458.5/19

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.779+/-0.000 χ^2/NDF: 37731939484.6/40

All: 0.770+/-0.000 χ^2/NDF: 68910662949.3/8

- sign 0.760+/-0.000 χ^2/NDF: 31127829456.6/42



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 873555.4/19

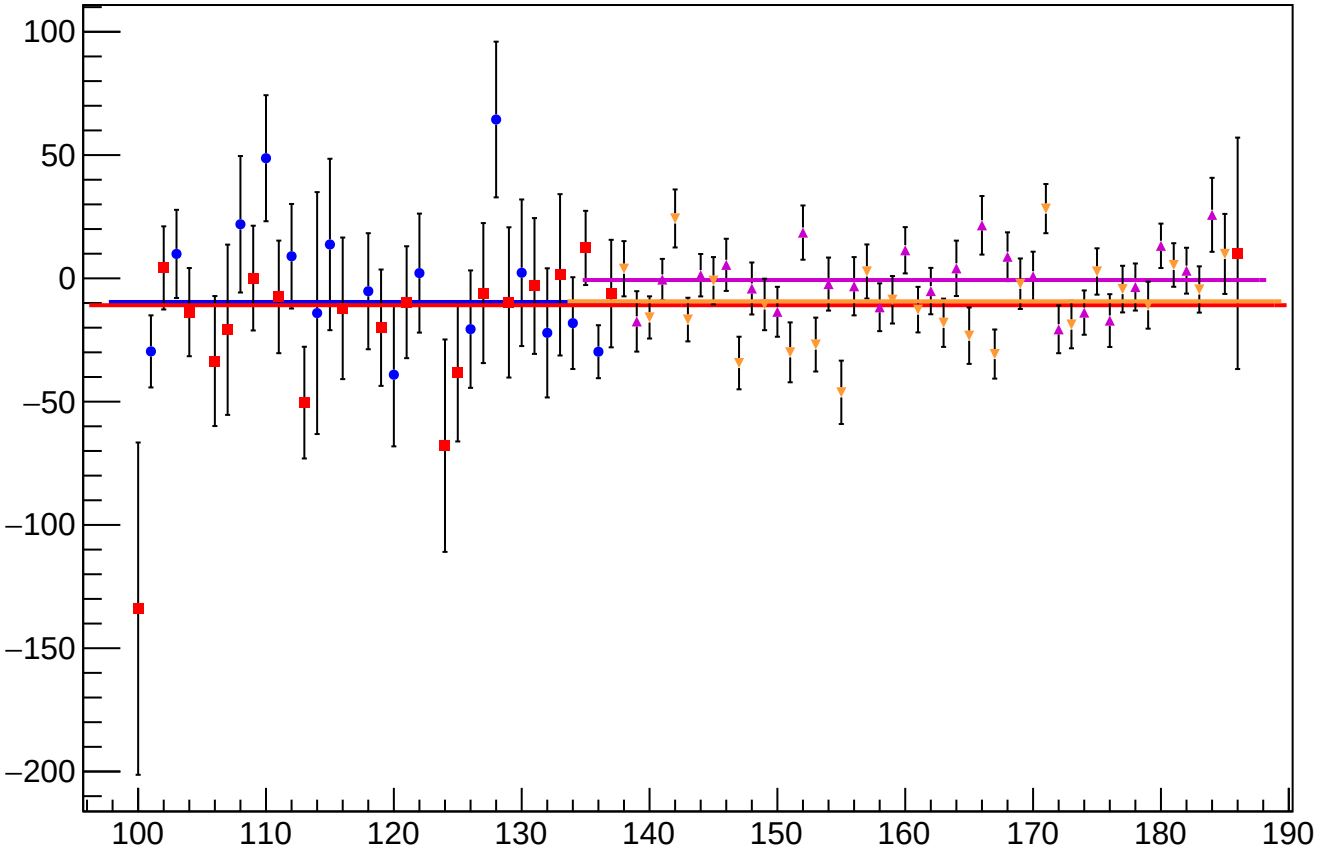
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4232799.4/40

All: 0.009+/-0.000 χ^2/NDF: 8651694.1/83

- sign 0.009+/-0.000 χ^2/NDF: 4403074.3/42

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: -10.889+/-5.460 χ^2/NDF: 14.1/19

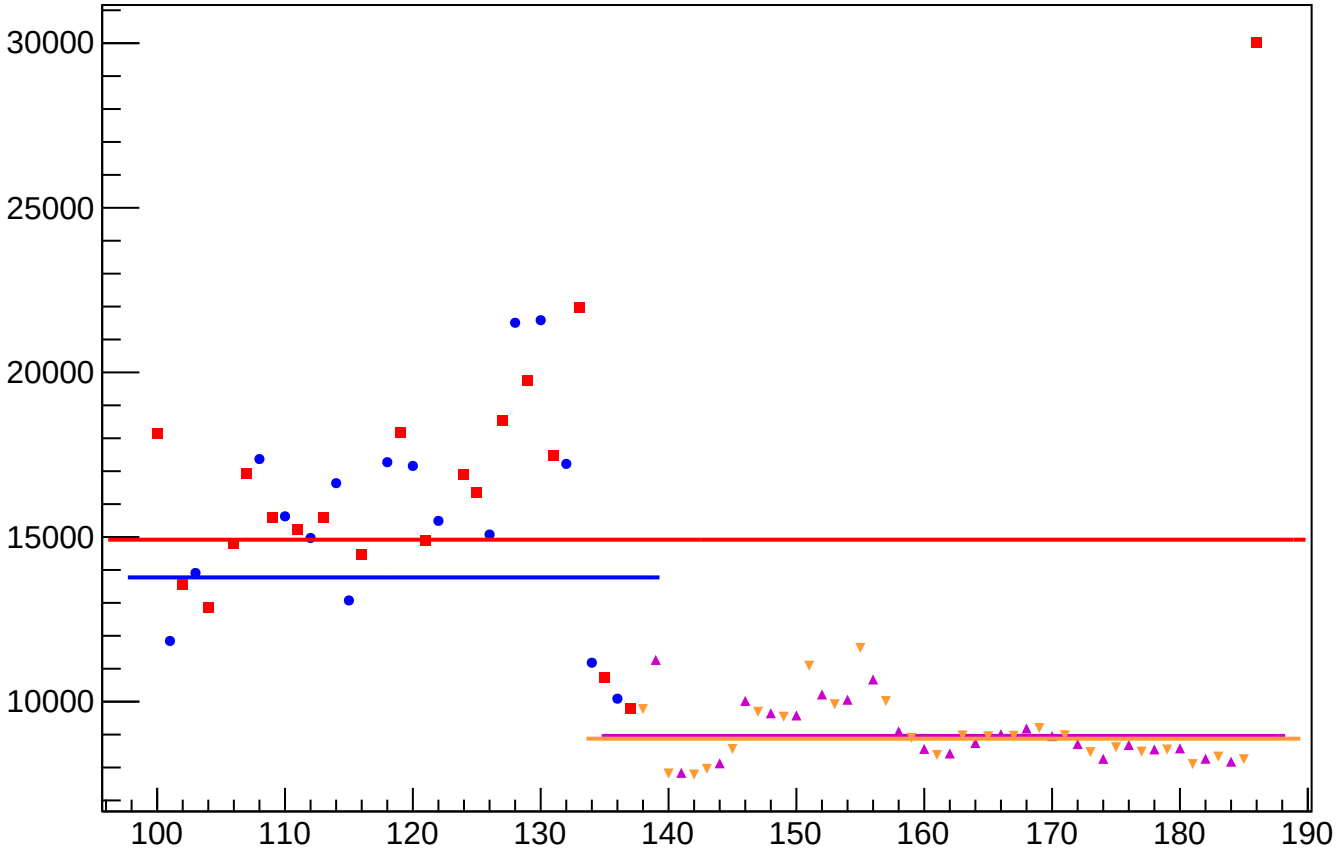
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.329+/-1.896 χ^2/NDF: 83.1/40

All: -5.791+/-1.364 χ^2/NDF: 136.8/83

- sign -1.997+/-1.963 χ^2/NDF: 46.5/42

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

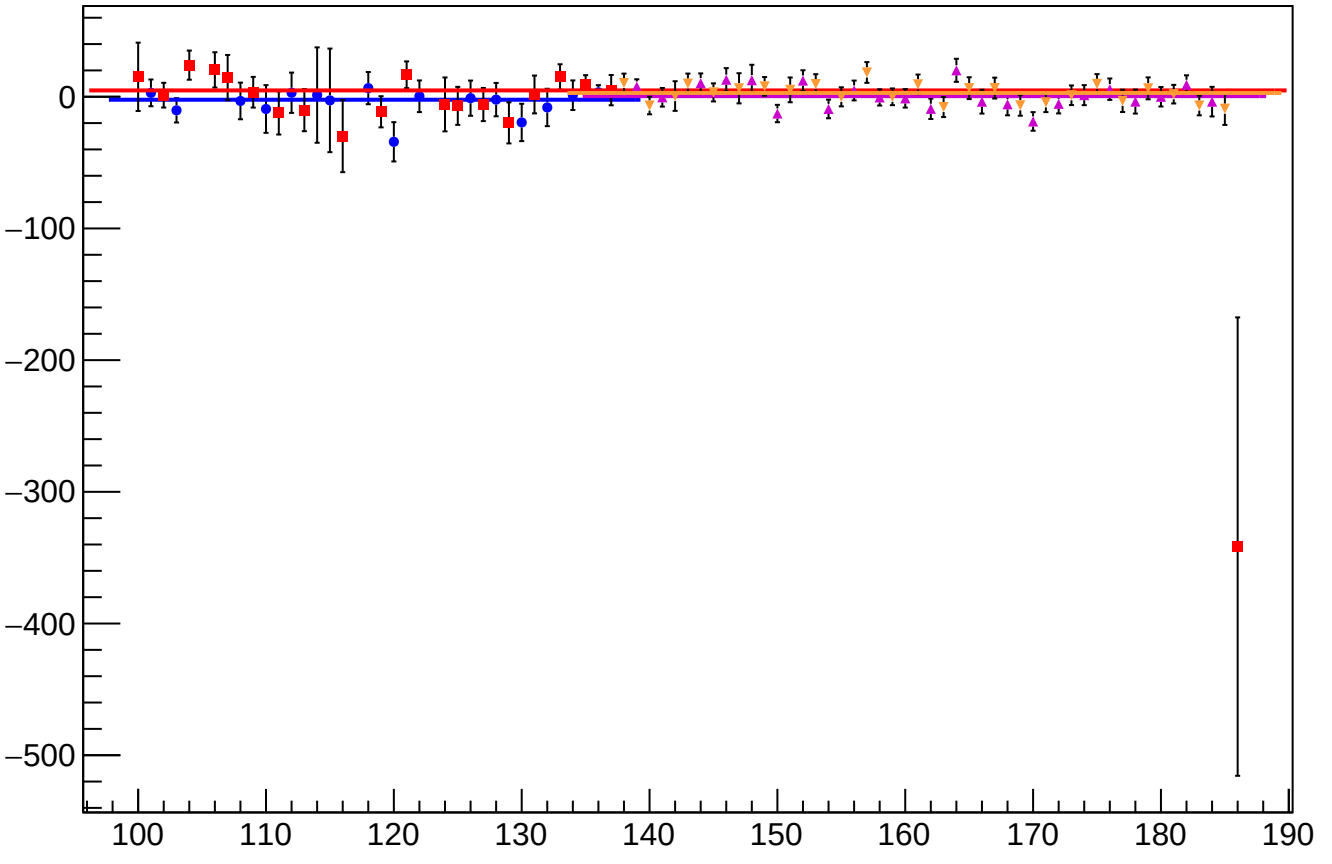
Right Out: 14919.301+/-3.861 χ^2/NDF: 767025.2/19

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9504.525+/-1.341 χ^2/NDF: 2588759.1/40

All: 9613.067+/-0.964 χ^2/NDF: 5746560.0/83

- sign 9729.496+/-1.388 χ^2/NDF: 3144211.7/42



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

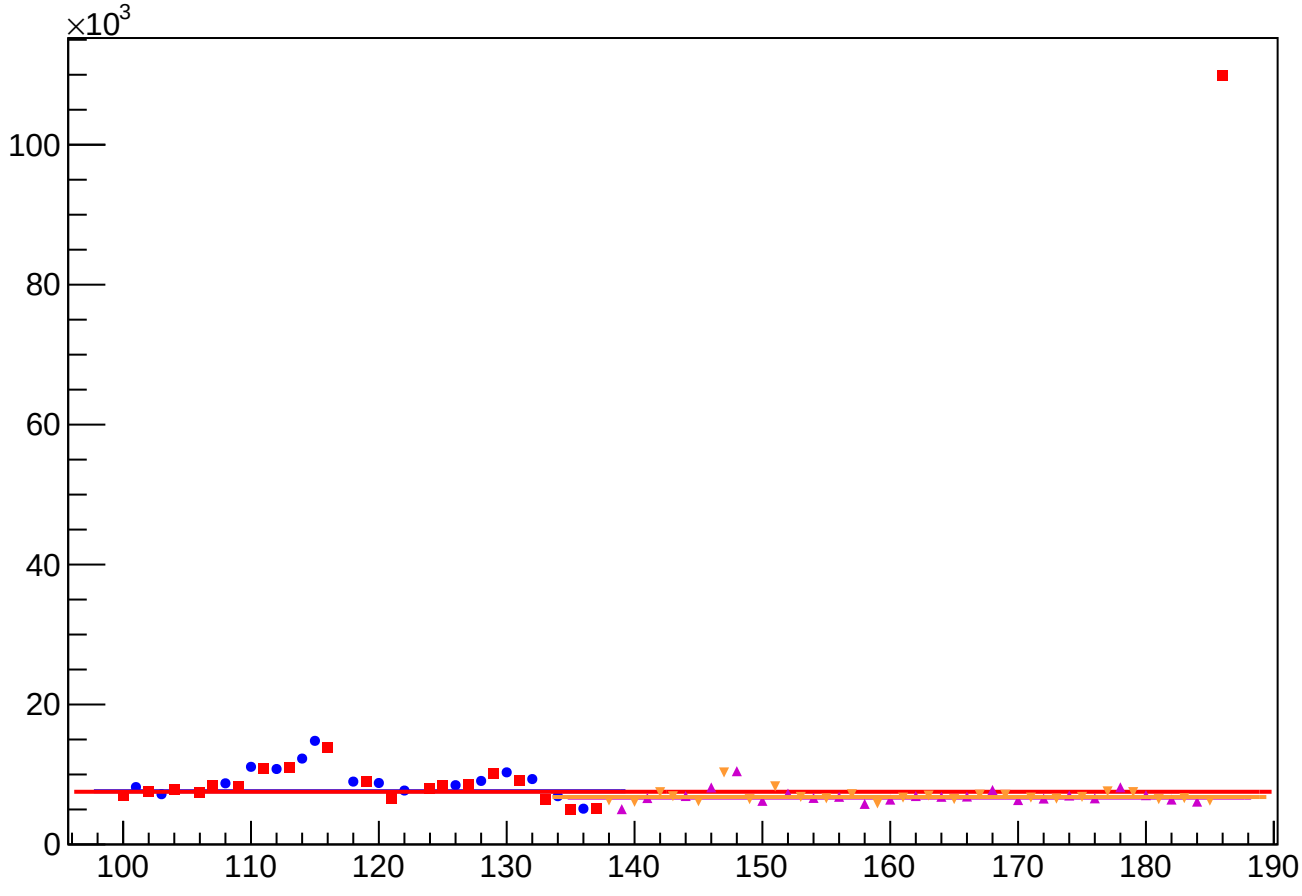
Right Out: 4.812+/-2.836 χ^2/NDF: 21.5/19

Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 1.745+/-1.372 χ^2/NDF: 31.2/40

All: 1.618+/-0.973 χ^2/NDF: 87.3/83

- sign 1.489+/-1.381 χ^2/NDF: 56.1/42



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 7528.694+/-2.005 χ^2/NDF: 1515327.6/19

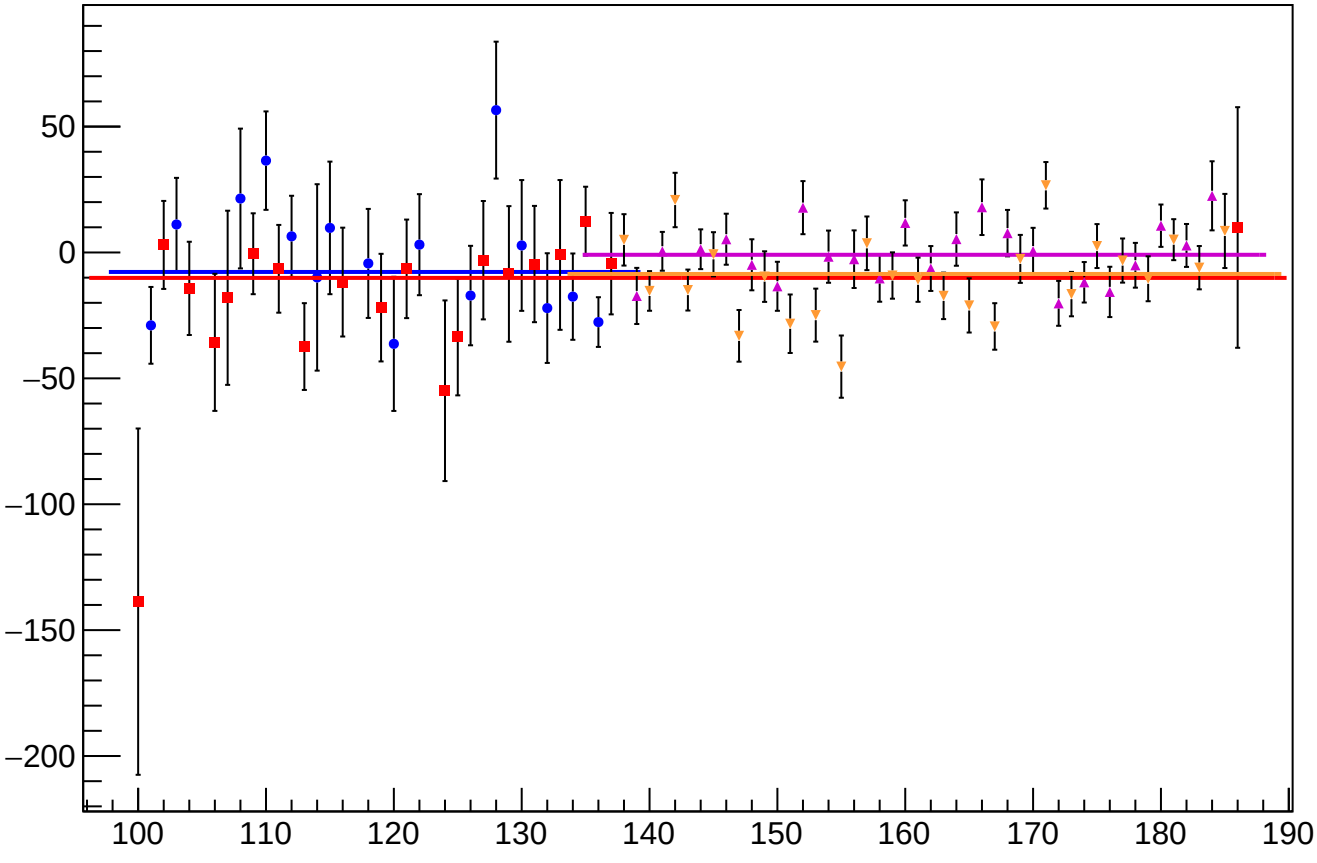
Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6959.459+/-0.970 χ^2/NDF: 1417144.4/40

All: 6924.288+/-0.688 χ^2/NDF: 3688996.0/83

- sign 6888.639+/-0.977 χ^2/NDF: 2269204.6/42

diff_bpm4eX_mean vs Slug



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: -10.102+/-4.815 χ^2/NDF: 14.1/19

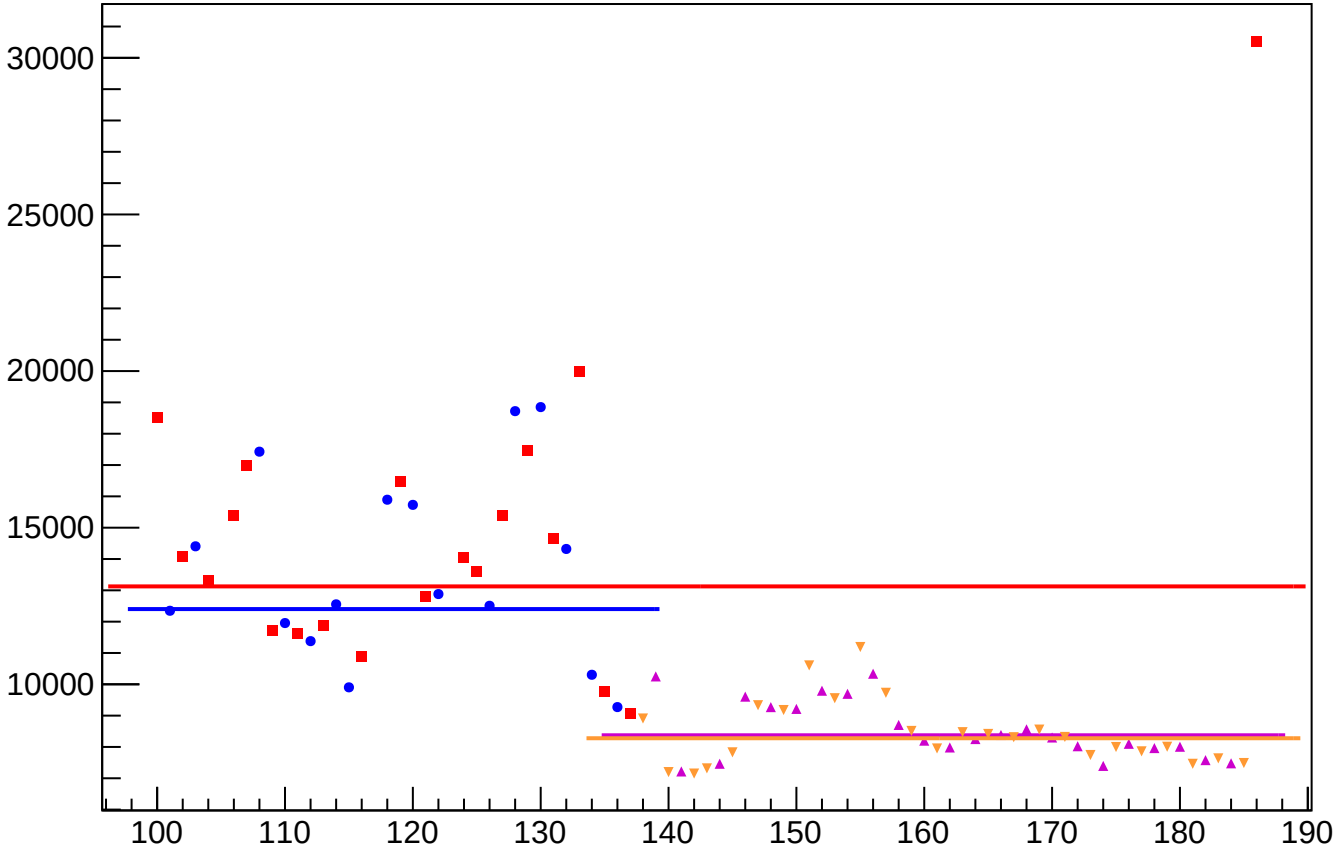
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

\+ sign -8.427+/-1.761 χ^2/NDF: 84.6/40

All: -5.436+/-1.267 χ^2/NDF: 136.9/83

\- sign -2.235+/-1.822 χ^2/NDF: 46.3/42

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 13125.634+/-3.405 χ^2/NDF: 822767.6/19

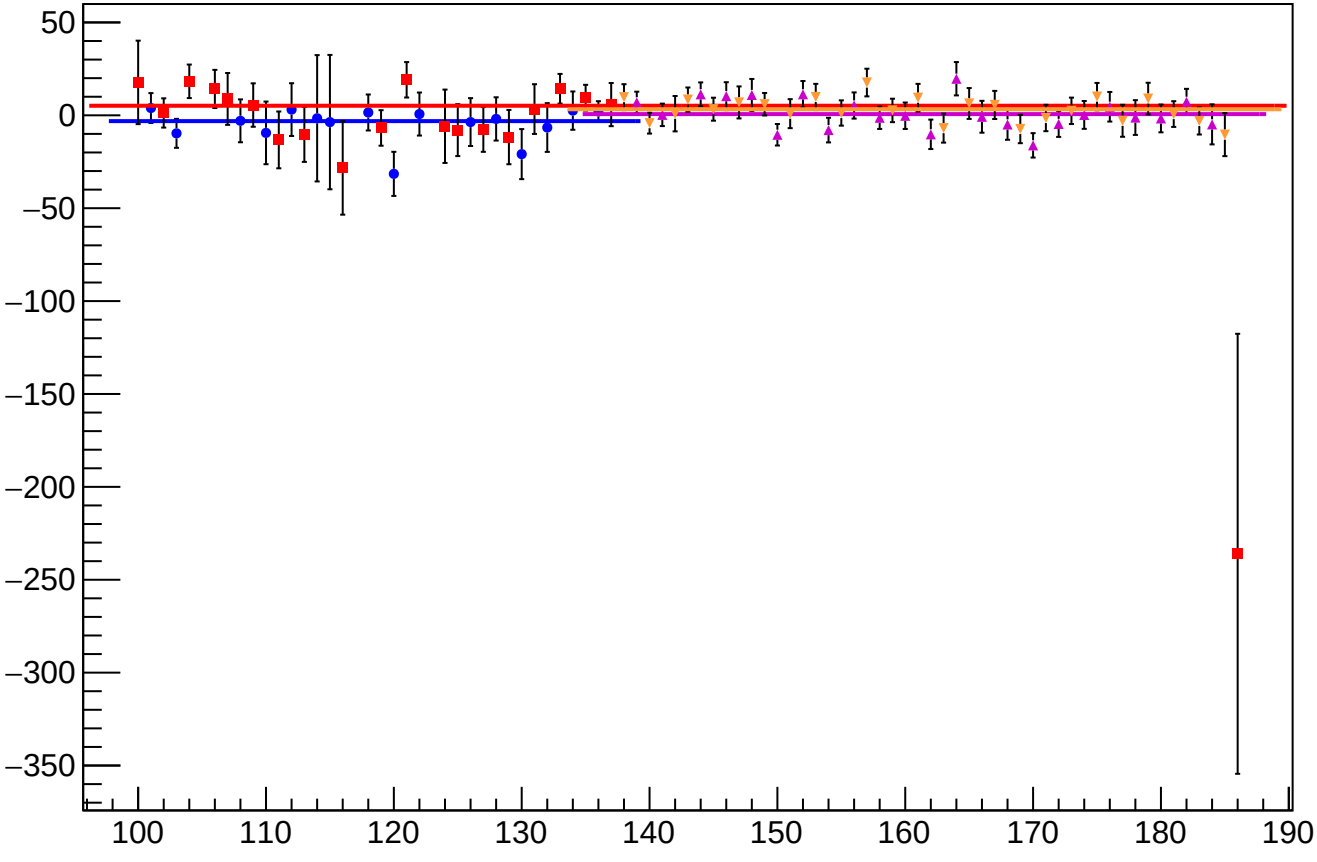
Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 8845.249+/-1.245 χ^2/NDF: 2434555.7/40

All: 8945.716+/-0.896 χ^2/NDF: 5333459.4/83

- sign 9053.273+/-1.289 χ^2/NDF: 2885430.3/42

diff_bpm4eY_mean vs Slug



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

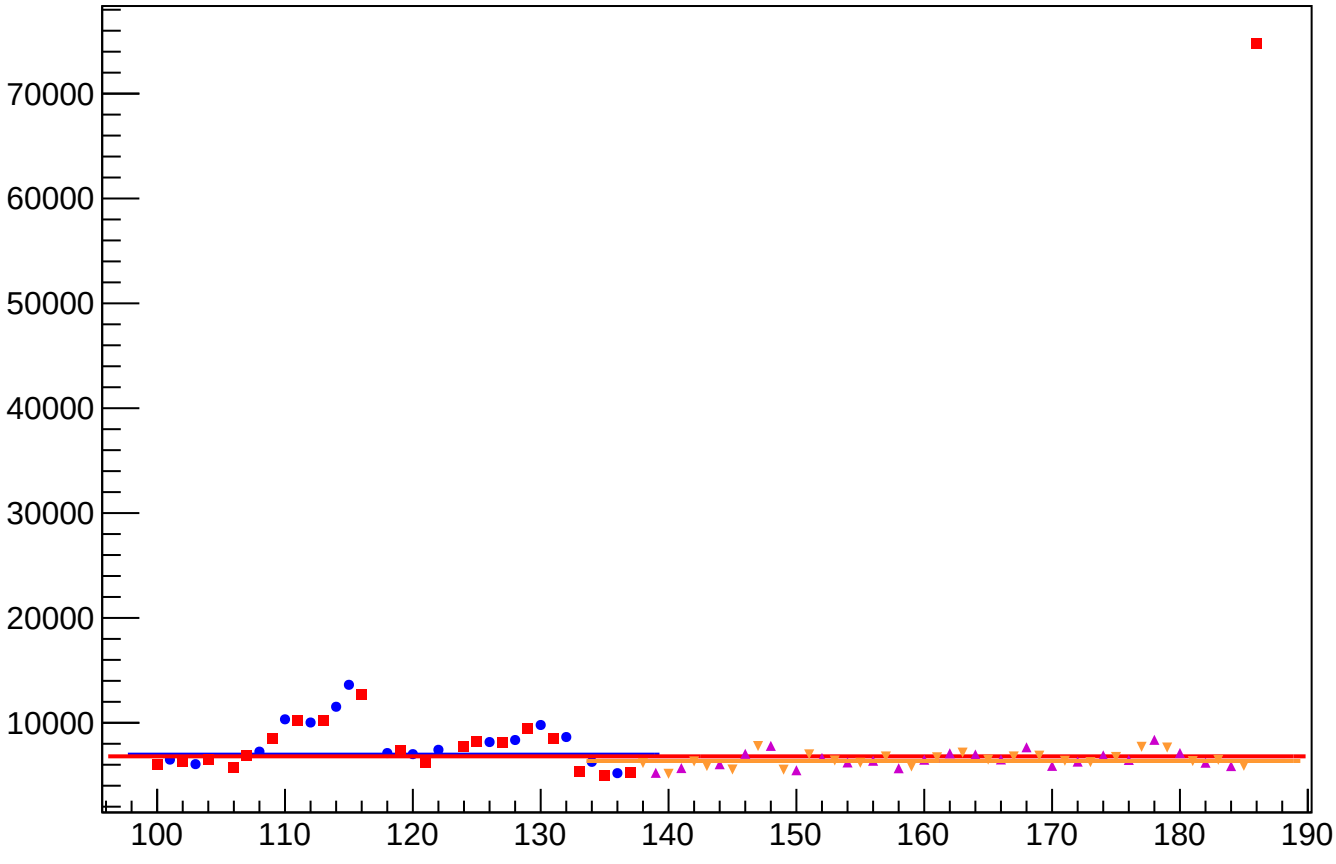
Right Out: 5.153+/-2.552 χ^2/NDF: 21.1/19

Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 1.779+/-1.277 χ^2/NDF: 33.0/40

All: 1.790+/-0.909 χ^2/NDF: 87.1/83

- sign 1.802+/-1.293 χ^2/NDF: 54.1/42



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 6800.586+/-1.805 χ^2/NDF: 1457358.4/19

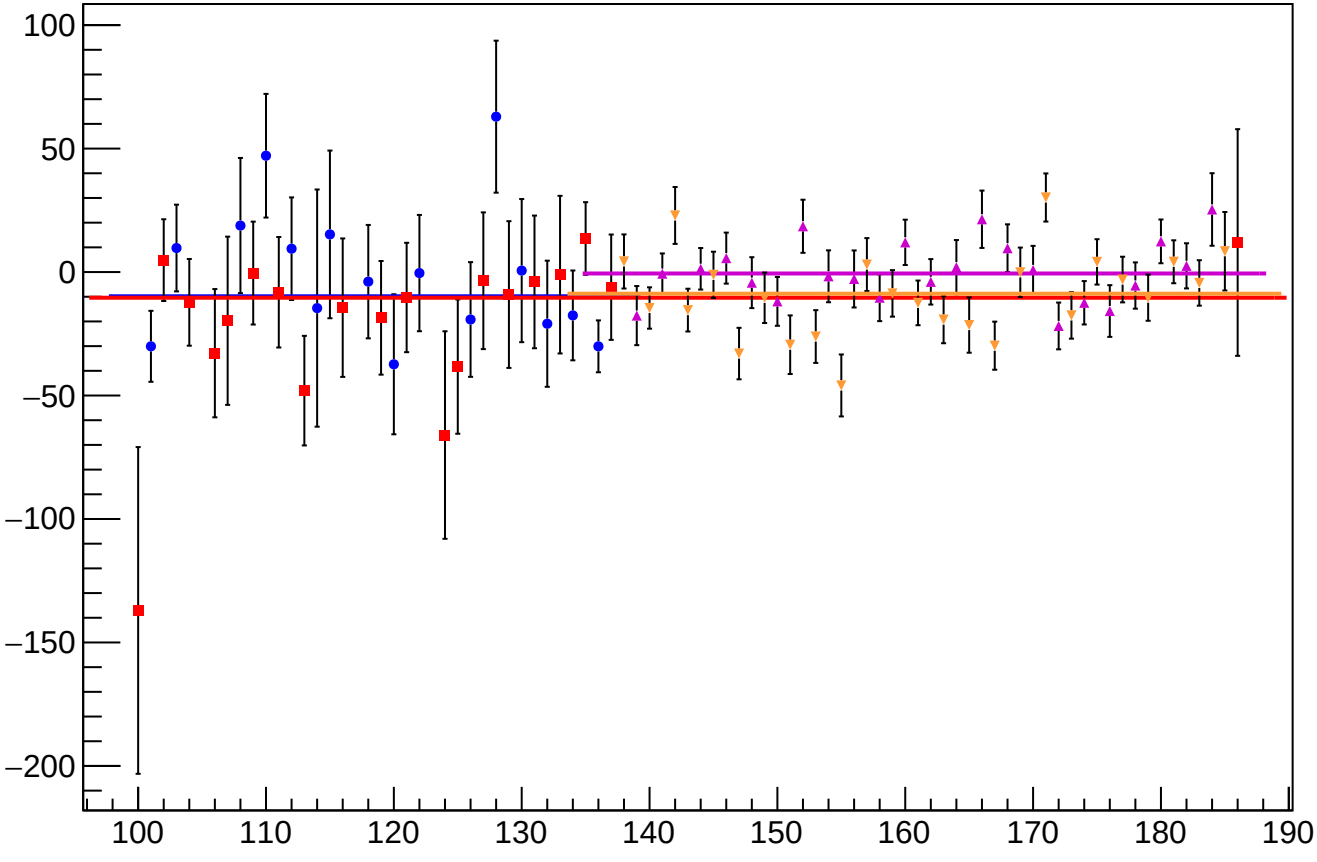
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6497.375+/-0.903 χ^2/NDF: 1190045.4/40

All: 6485.305+/-0.643 χ^2/NDF: 3165964.0/83

- sign 6472.945+/-0.914 χ^2/NDF: 1975557.2/42

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -10.395+/-5.344 χ^2/NDF: 14.6/19

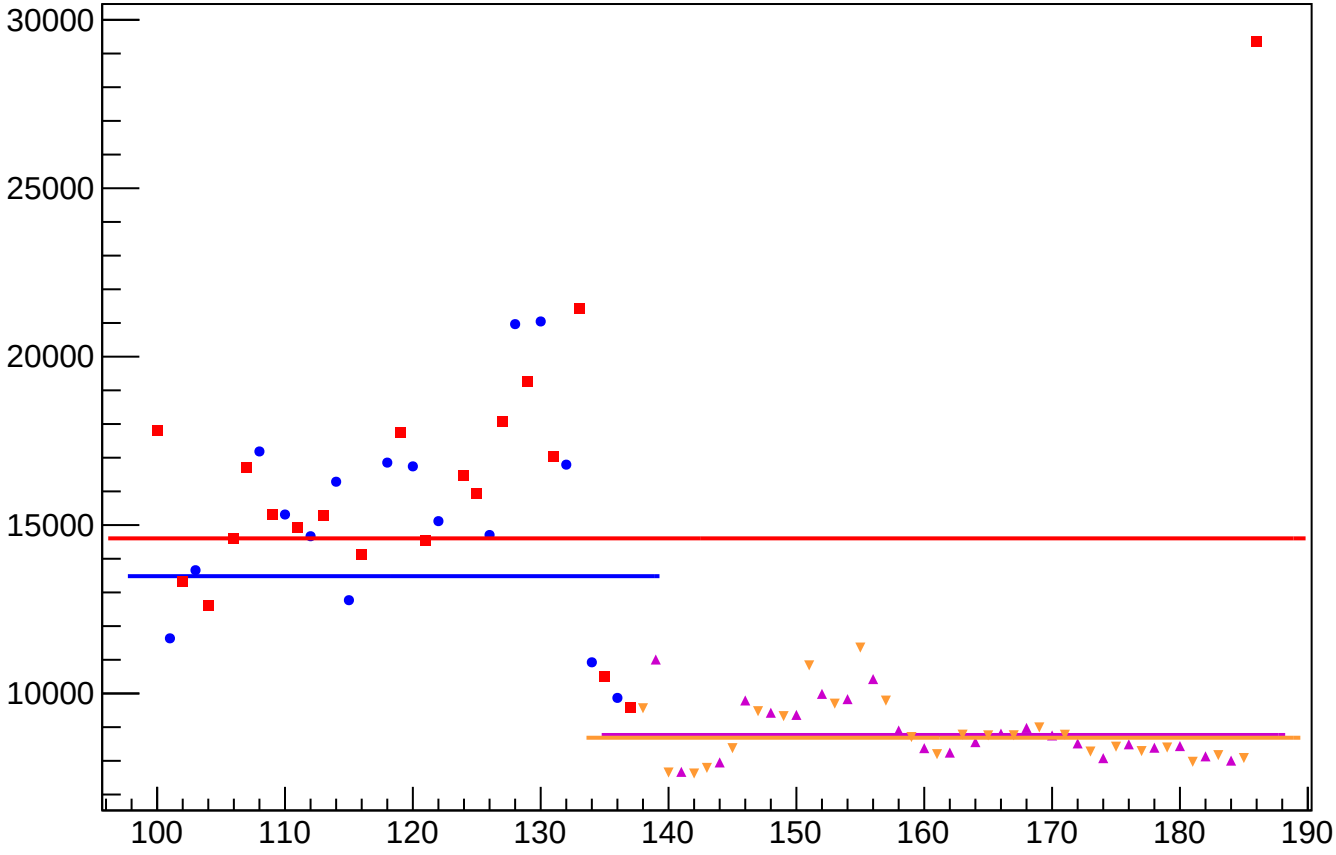
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -8.900+/-1.855 χ^2/NDF: 84.8/40

All: -5.498+/-1.335 χ^2/NDF: 138.8/83

- sign -1.848+/-1.921 χ^2/NDF: 47.1/42

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

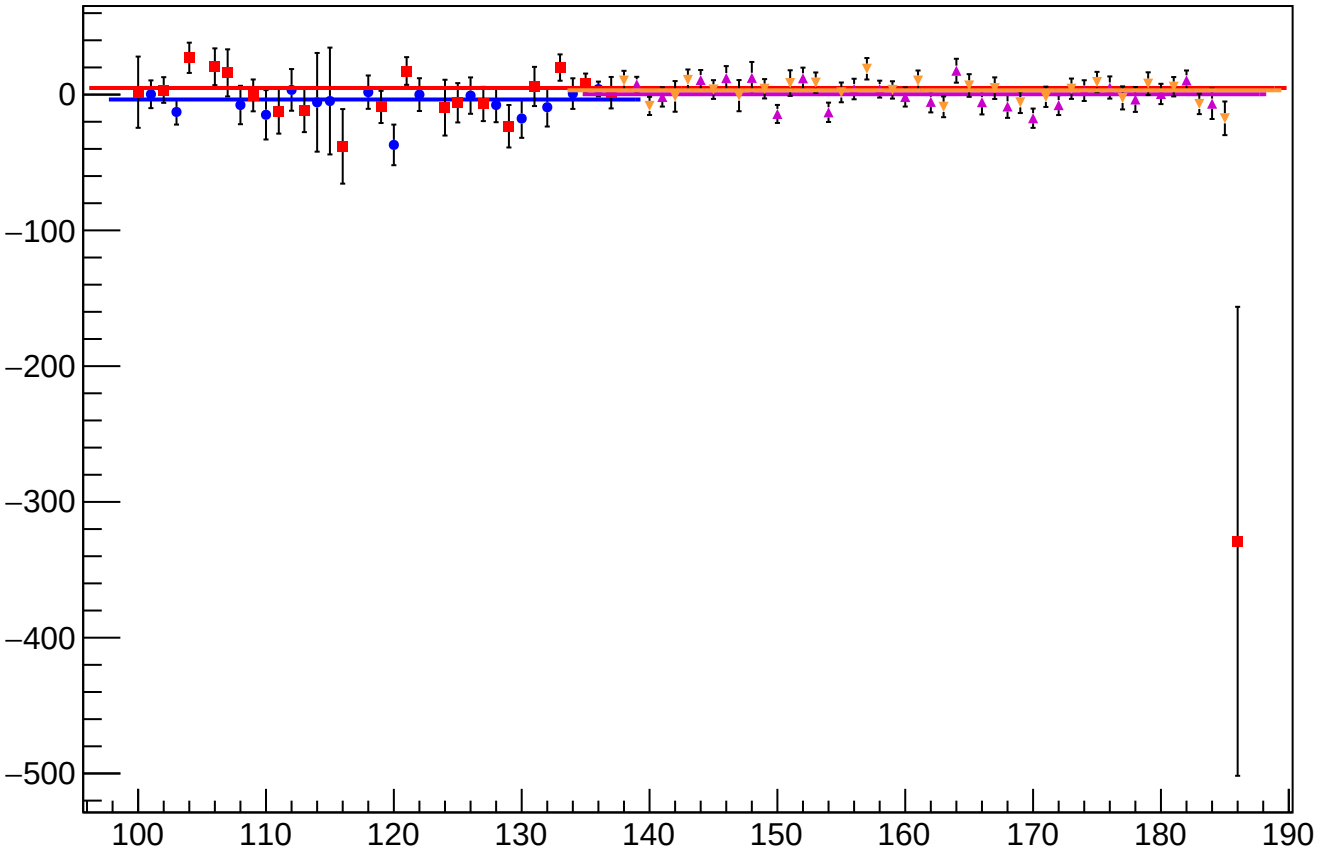
Right Out: 14605.321+/-3.779 χ^2/NDF: 761678.7/19

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9301.719+/-1.312 χ^2/NDF: 2580413.5/40

All: 9408.164+/-0.944 χ^2/NDF: 5729326.2/83

- sign 9522.358+/-1.359 χ^2/NDF: 3135263.2/42



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 4.874+/-2.855 χ^2/NDF: 25.1/19

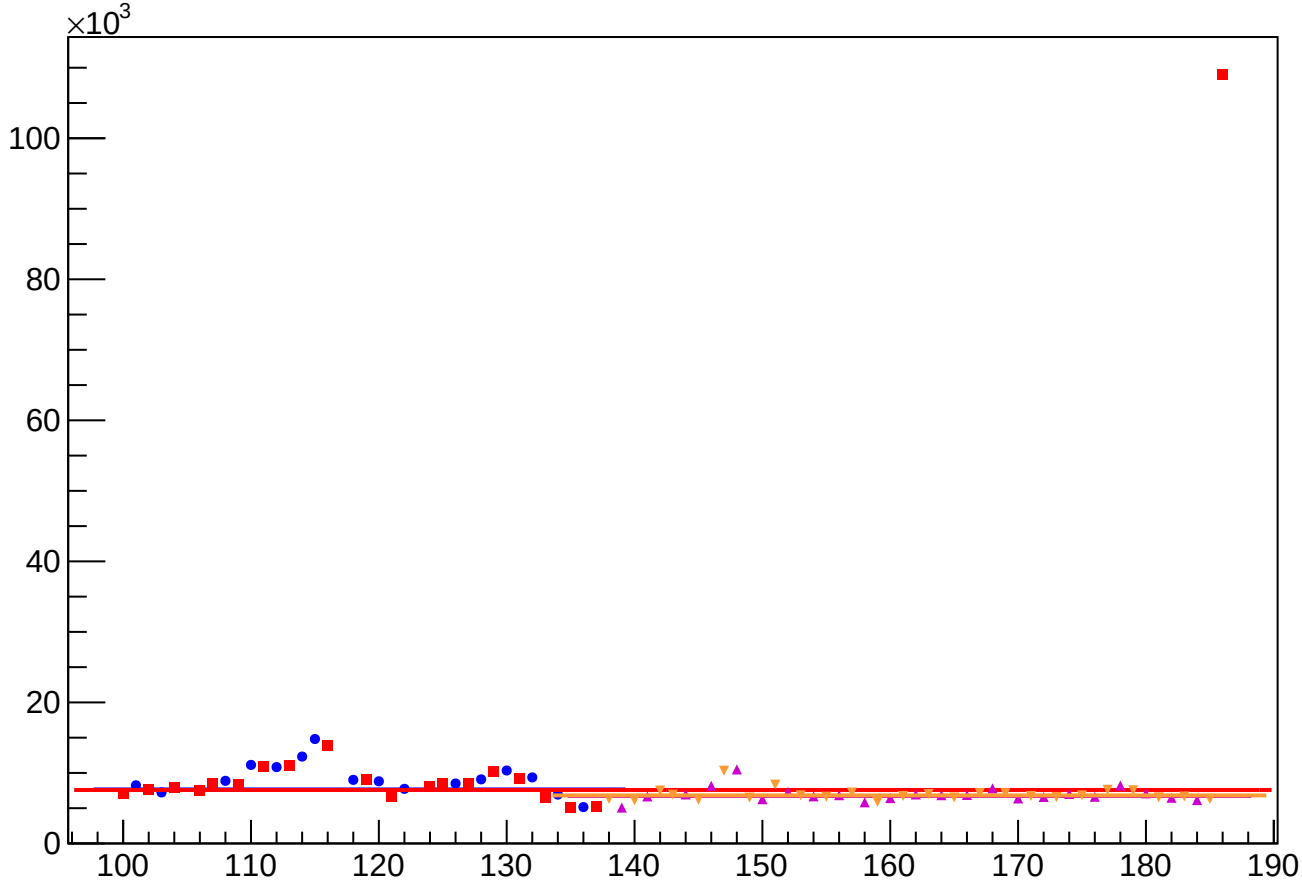
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 1.680+/-1.379 χ^2/NDF: 36.3/40

All: 1.521+/-0.979 χ^2/NDF: 97.6/83

- sign 1.359+/-1.389 χ^2/NDF: 61.3/42

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

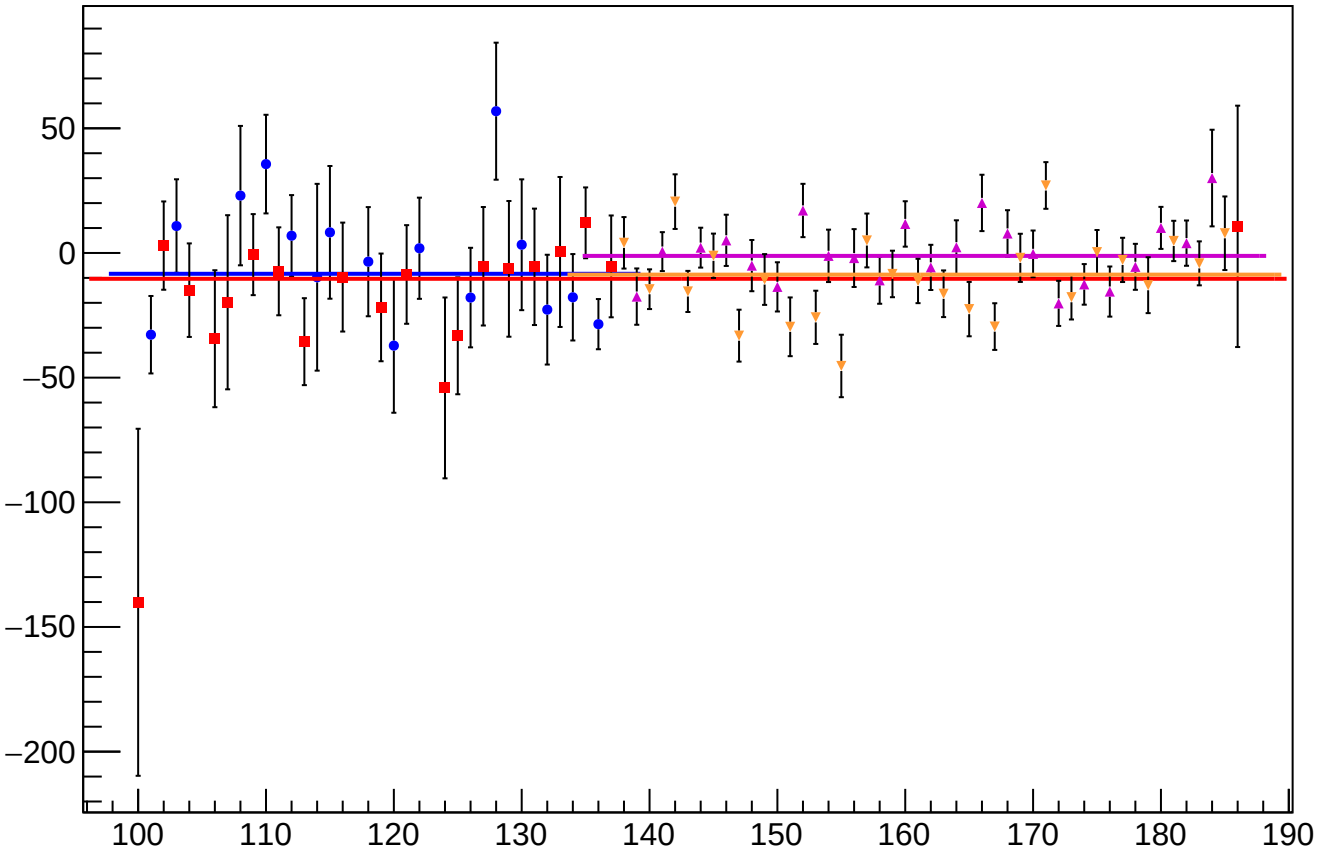
Right Out: 7585.226+/-2.019 χ^2/NDF: 1500045.3/19

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6998.487+/-0.975 χ^2/NDF: 1402602.0/40

All: 6964.917+/-0.692 χ^2/NDF: 3652725.7/83

- sign 6930.862+/-0.982 χ^2/NDF: 2247737.2/42



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -10.357+/-4.886 χ^2/NDF: 13.1/19

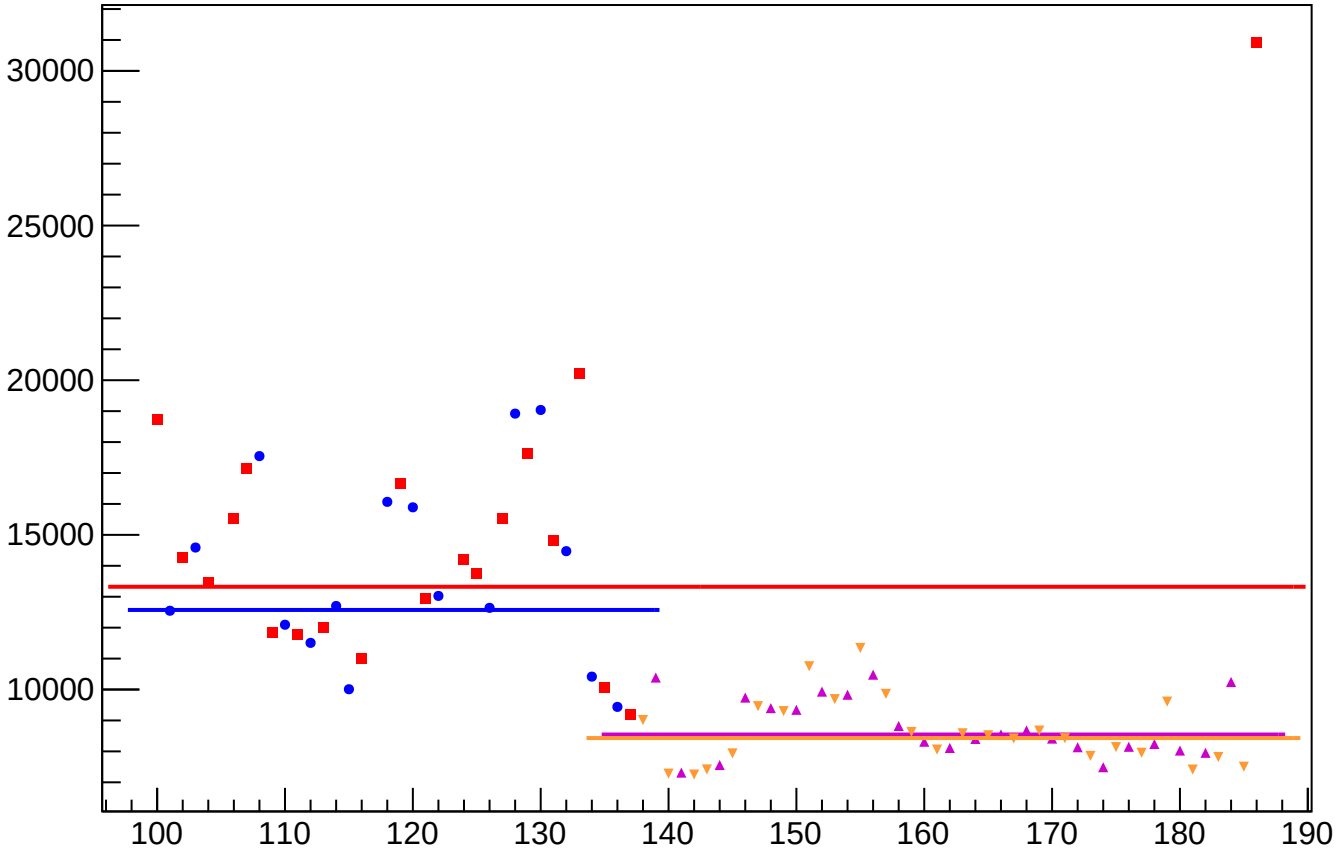
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -8.645+/-1.796 χ^2/NDF: 84.7/40

All: -5.684+/-1.292 χ^2/NDF: 135.0/83

- sign -2.506+/-1.861 χ^2/NDF: 44.7/42

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

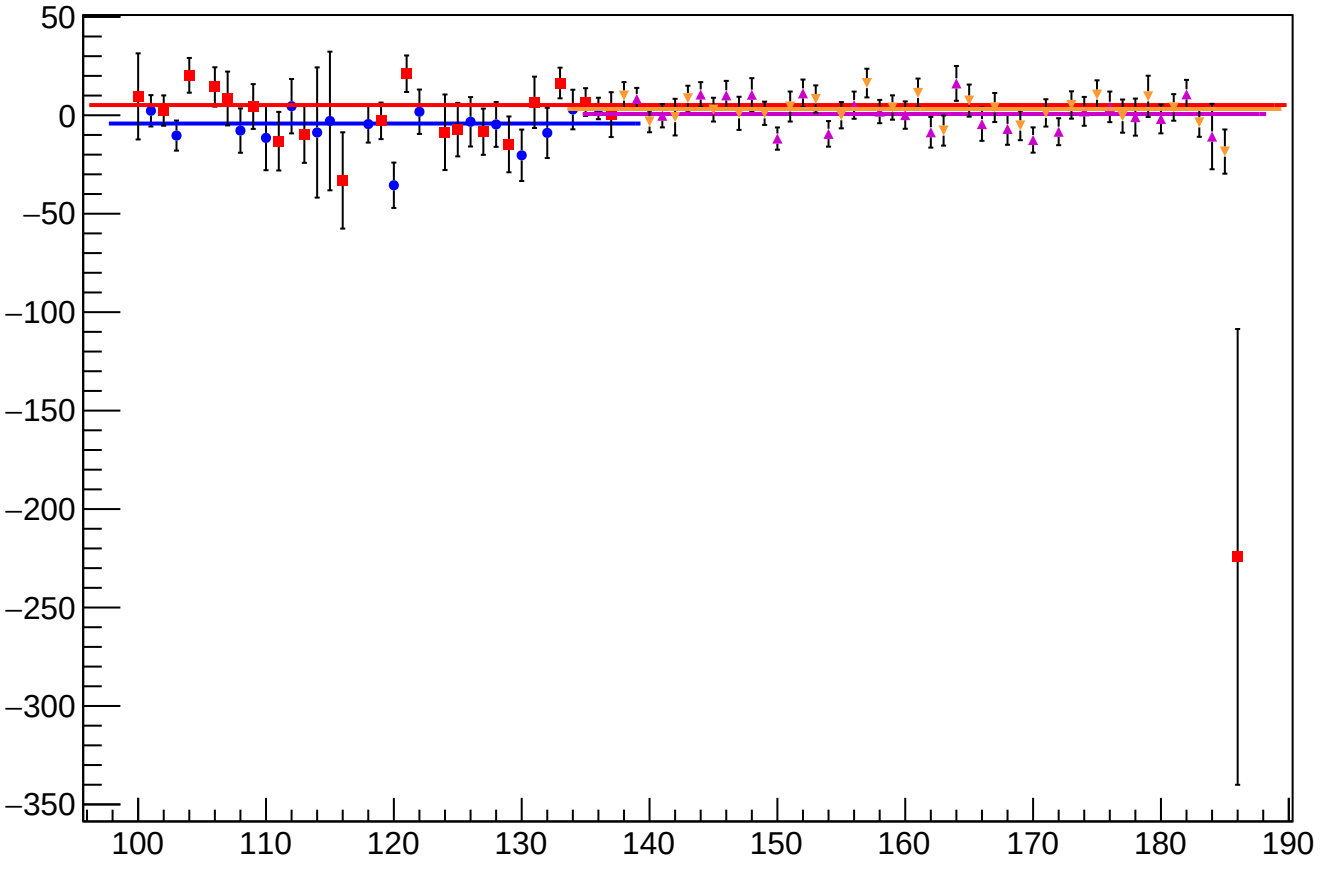
Right Out: 13322.256+/-3.455 χ^2/NDF: 801509.1/19

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9007.438+/-1.270 χ^2/NDF: 2424184.0/40

All: 9118.829+/-0.914 χ^2/NDF: 5265799.2/83

- sign 9238.353+/-1.316 χ^2/NDF: 2825672.1/42



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 5.180+/-2.501 χ^2/NDF: 23.7/19

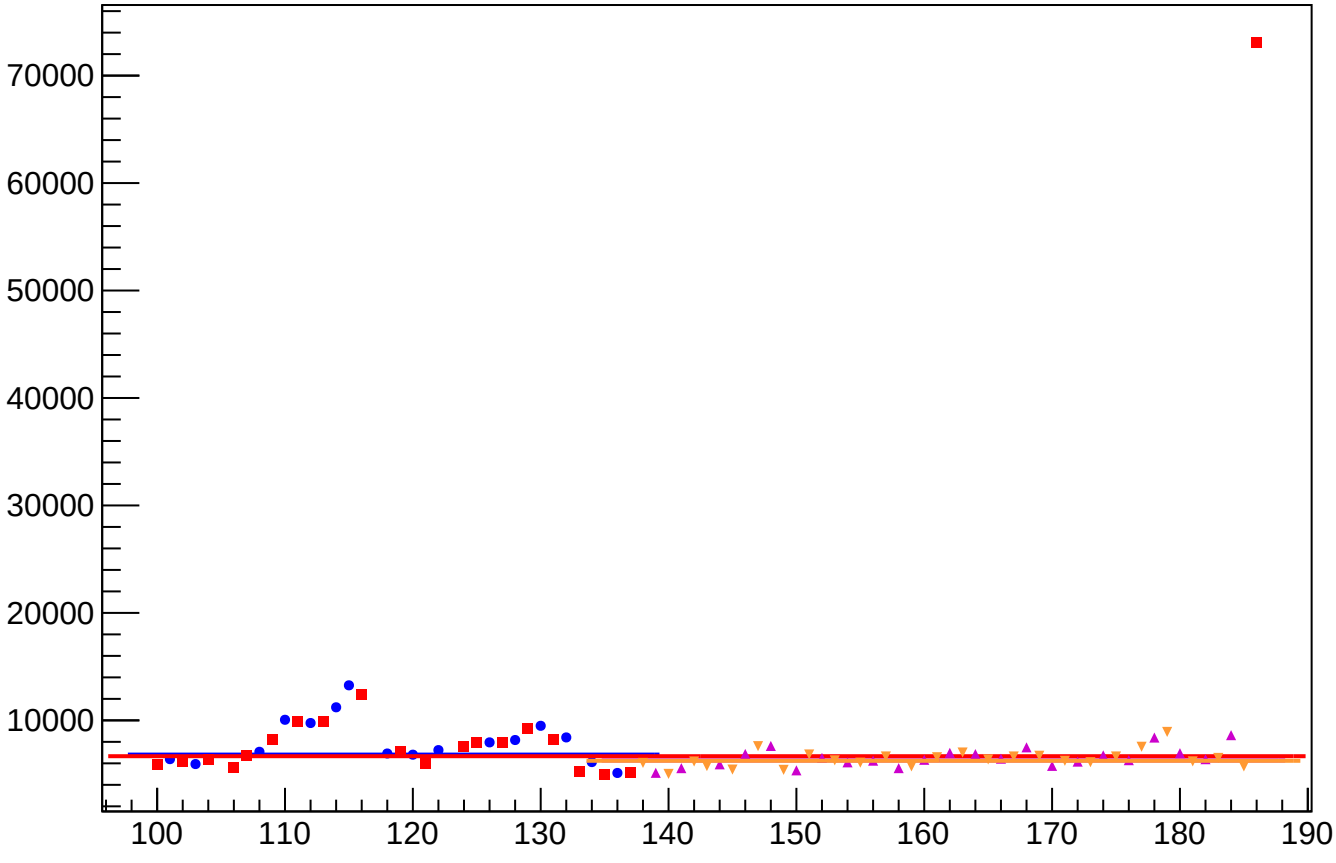
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 1.460+/-1.256 χ^2/NDF: 38.7/40

All: 1.635+/-0.895 χ^2/NDF: 96.7/83

- sign 1.814+/-1.275 χ^2/NDF: 57.9/42

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 6664.735+/-1.769 χ^2/NDF: 1422243.8/19

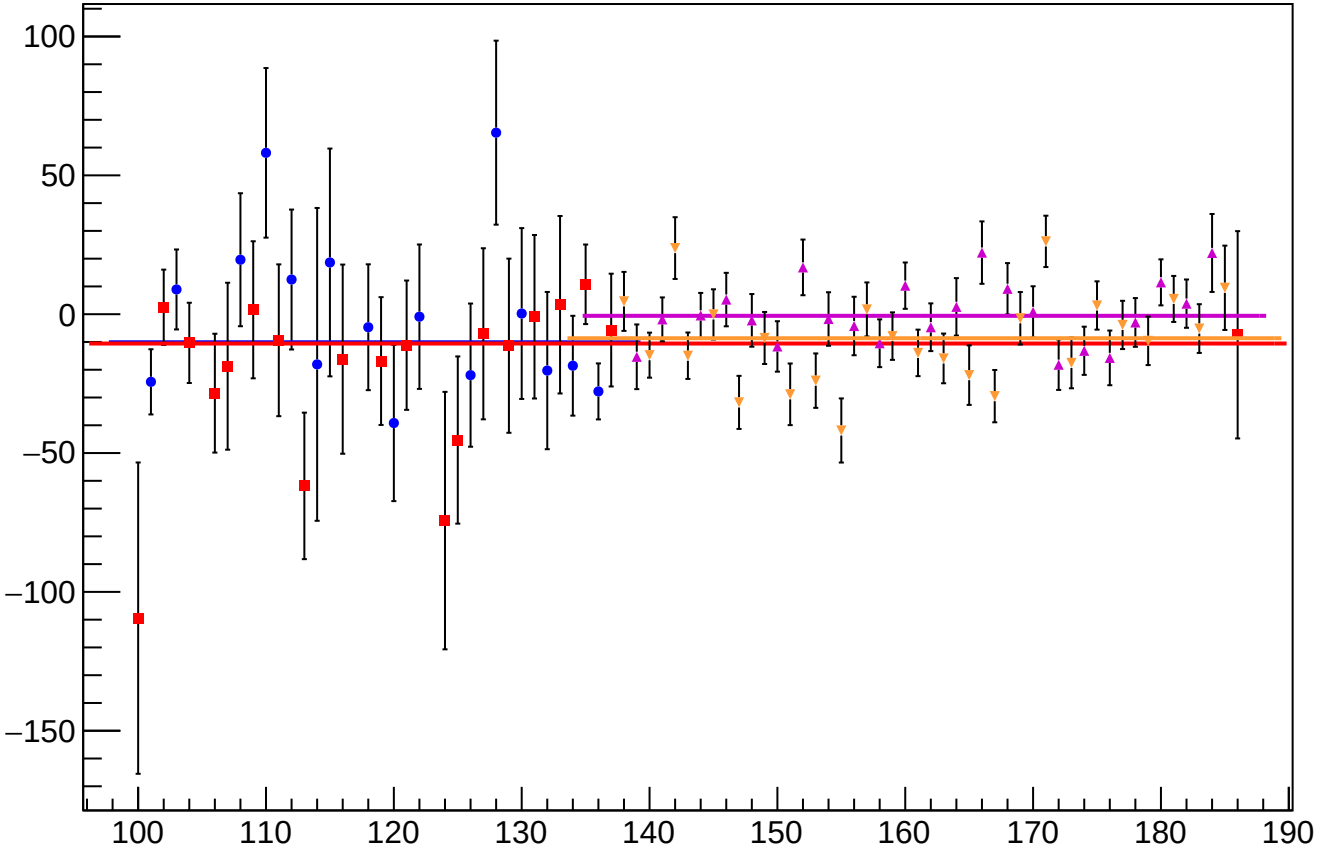
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6372.446+/-0.888 χ^2/NDF: 1257140.8/40

All: 6371.854+/-0.633 χ^2/NDF: 3240905.1/83

- sign 6371.245+/-0.901 χ^2/NDF: 1983763.3/42

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

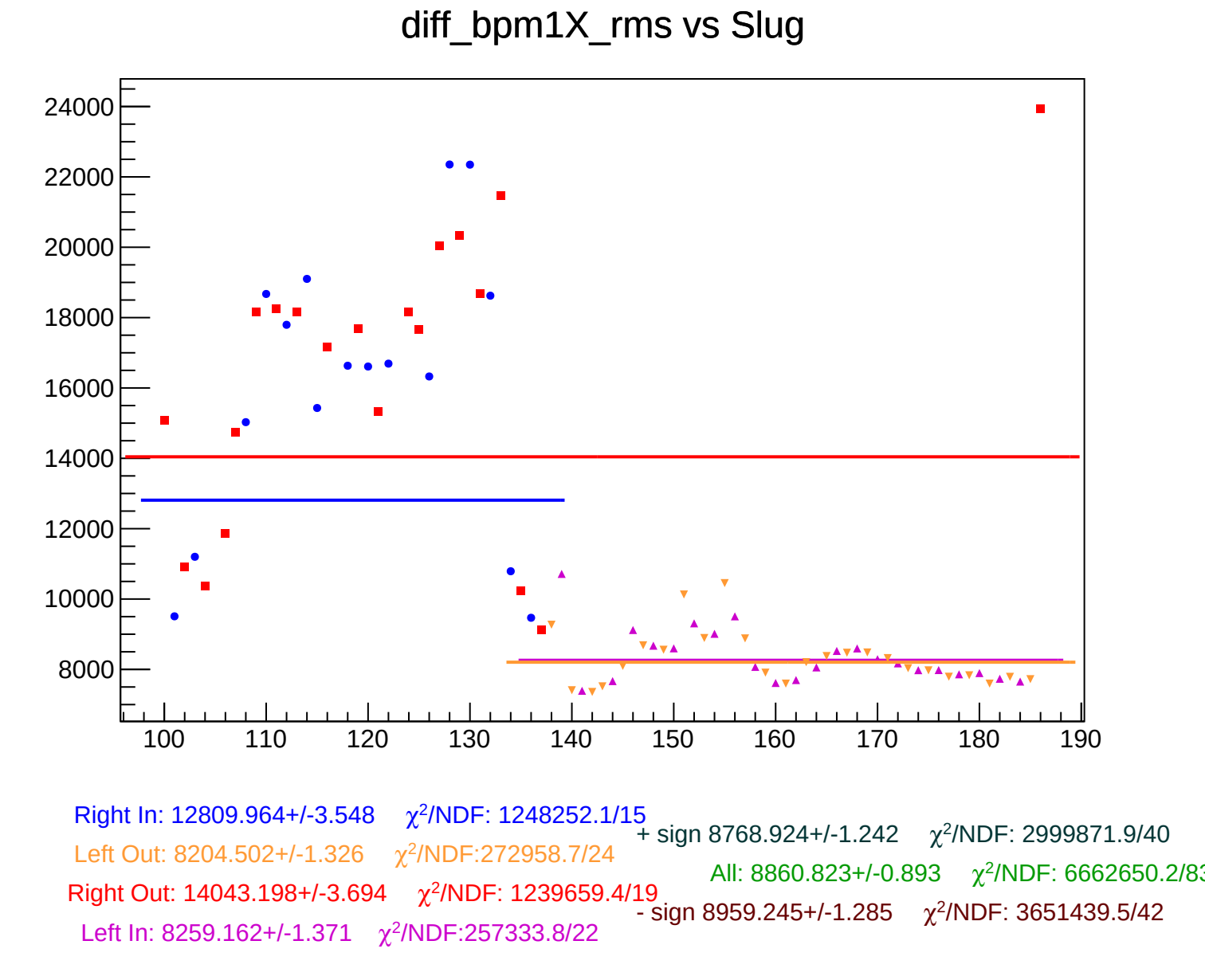
Right Out: -10.561+/-5.225 χ^2/NDF: 14.8/19

Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

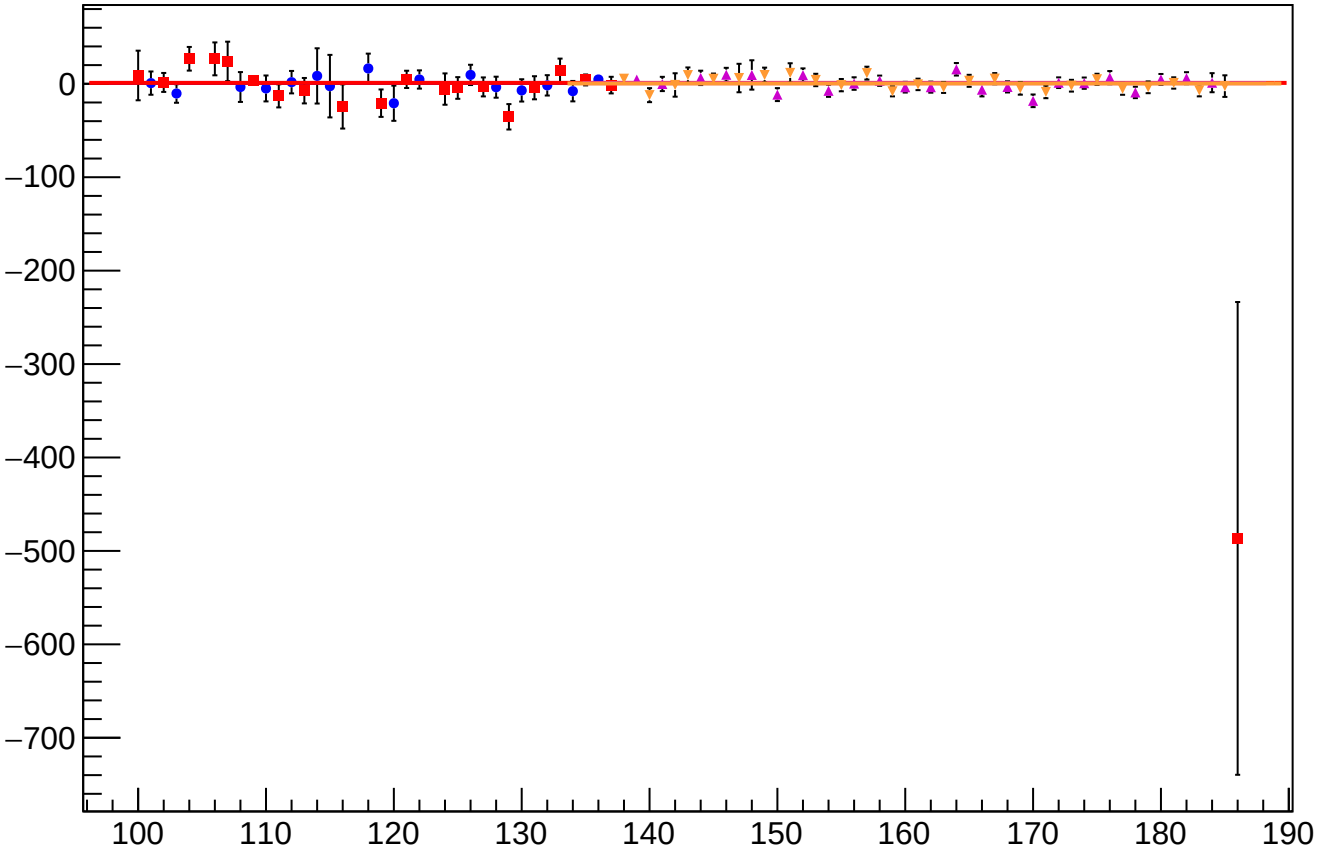
+ sign -8.830+/-1.756 χ^2/NDF: 84.4/40

All: -5.431+/-1.263 χ^2/NDF: 138.6/83

- sign -1.791+/-1.818 χ^2/NDF: 46.5/42


diff_bpm1X_rms vs Slug
24000
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
190
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 14043.198+/-3.694 χ²/NDF: 1239659.4/19
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
+ sign 8768.924+/-1.242 χ²/NDF: 2999871.9/40
All: 8860.823+/-0.893 χ²/NDF: 6662650.2/83
- sign 8959.245+/-1.285 χ²/NDF: 3651439.5/42

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 0.965+/-2.314 χ^2/NDF: 26.0/19

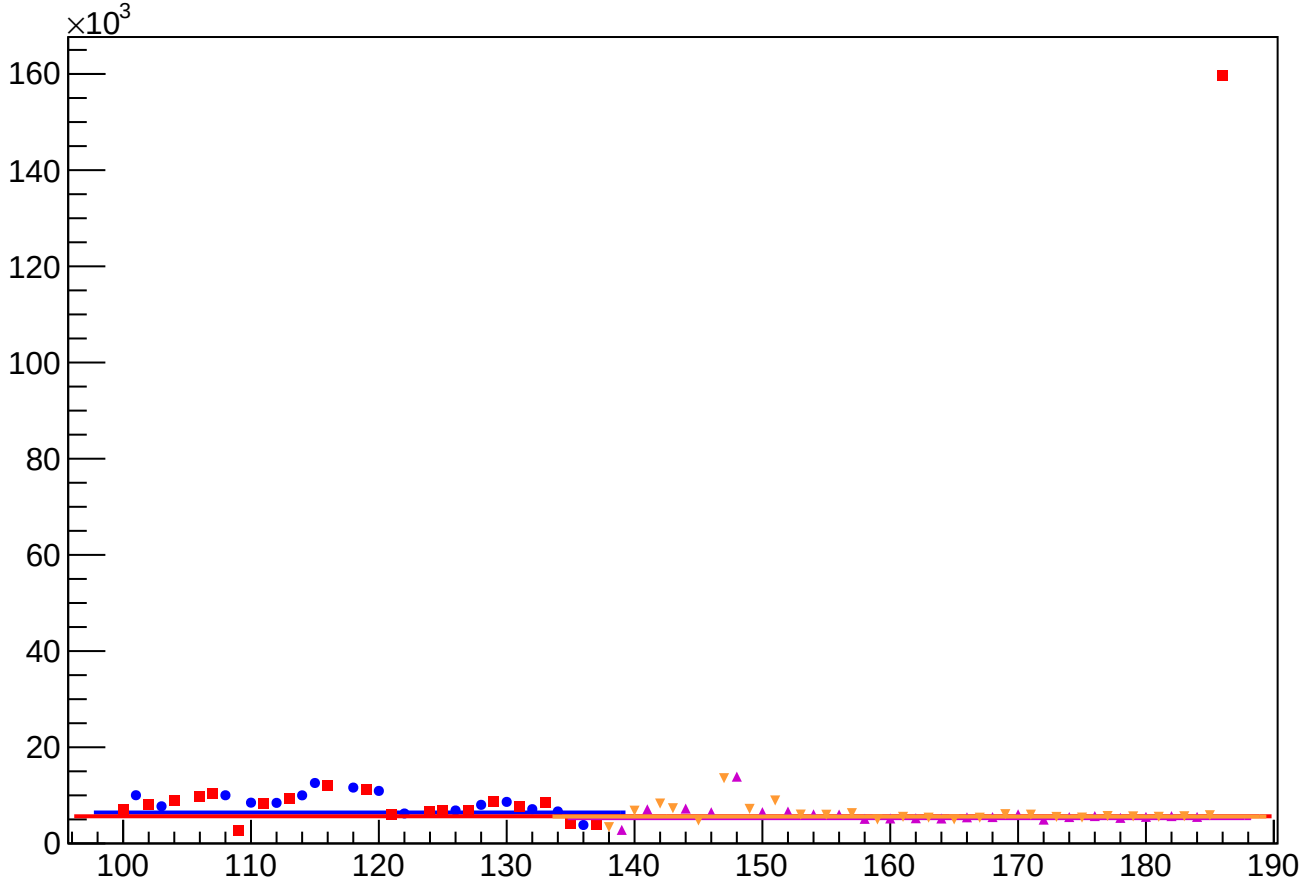
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

\+ sign 0.464+/-1.175 χ^2/NDF: 28.4/40

All: 0.623+/-0.814 χ^2/NDF: 84.3/83

\- sign 0.770+/-1.128 χ^2/NDF: 55.9/42

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

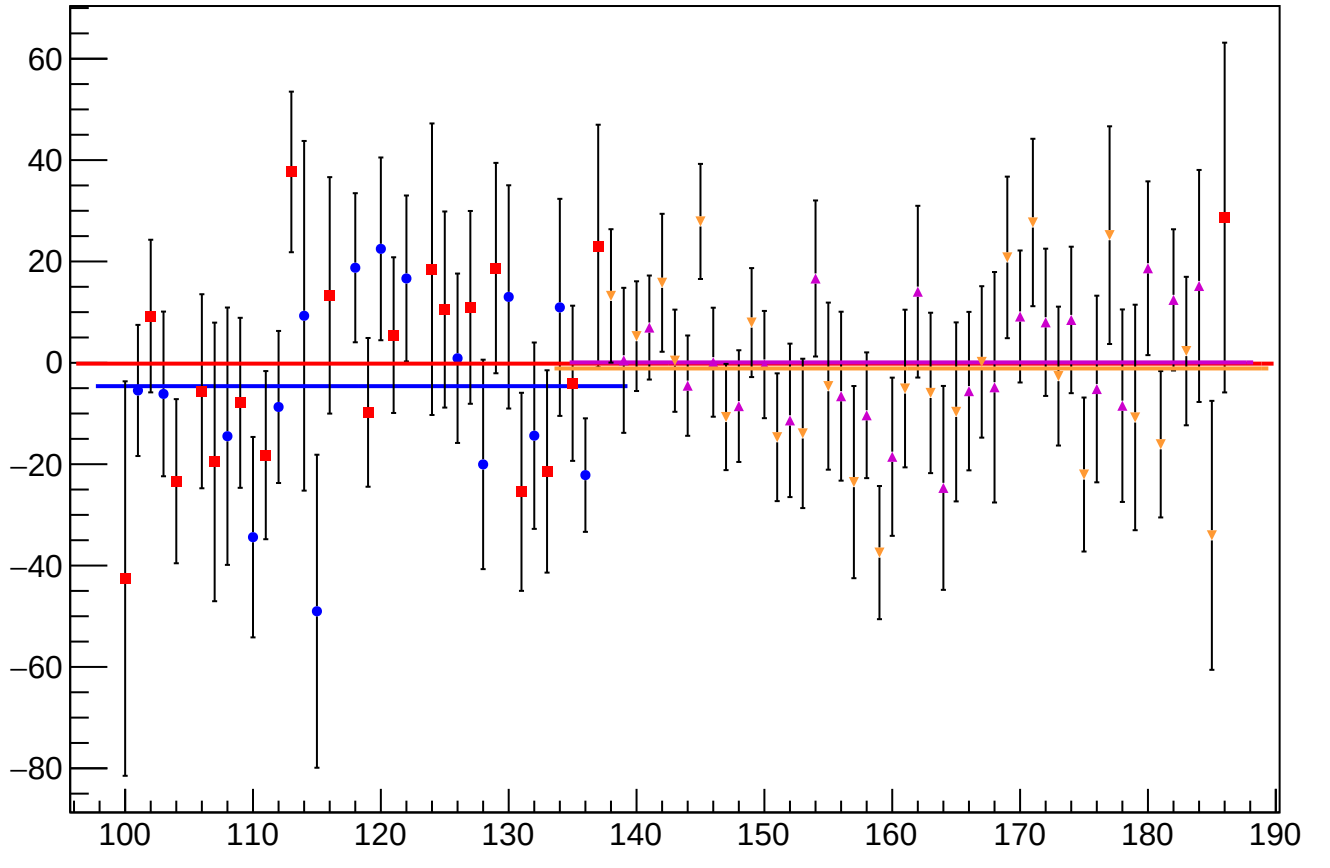
Right Out: 5650.221+/-1.636 χ^2/NDF: 3320872.9/19

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5770.621+/-0.831 χ^2/NDF: 3704274.0/40

All: 5554.128+/-0.575 χ^2/NDF: 9623951.9/83

- sign 5354.762+/-0.797 χ^2/NDF: 5789244.7/42



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

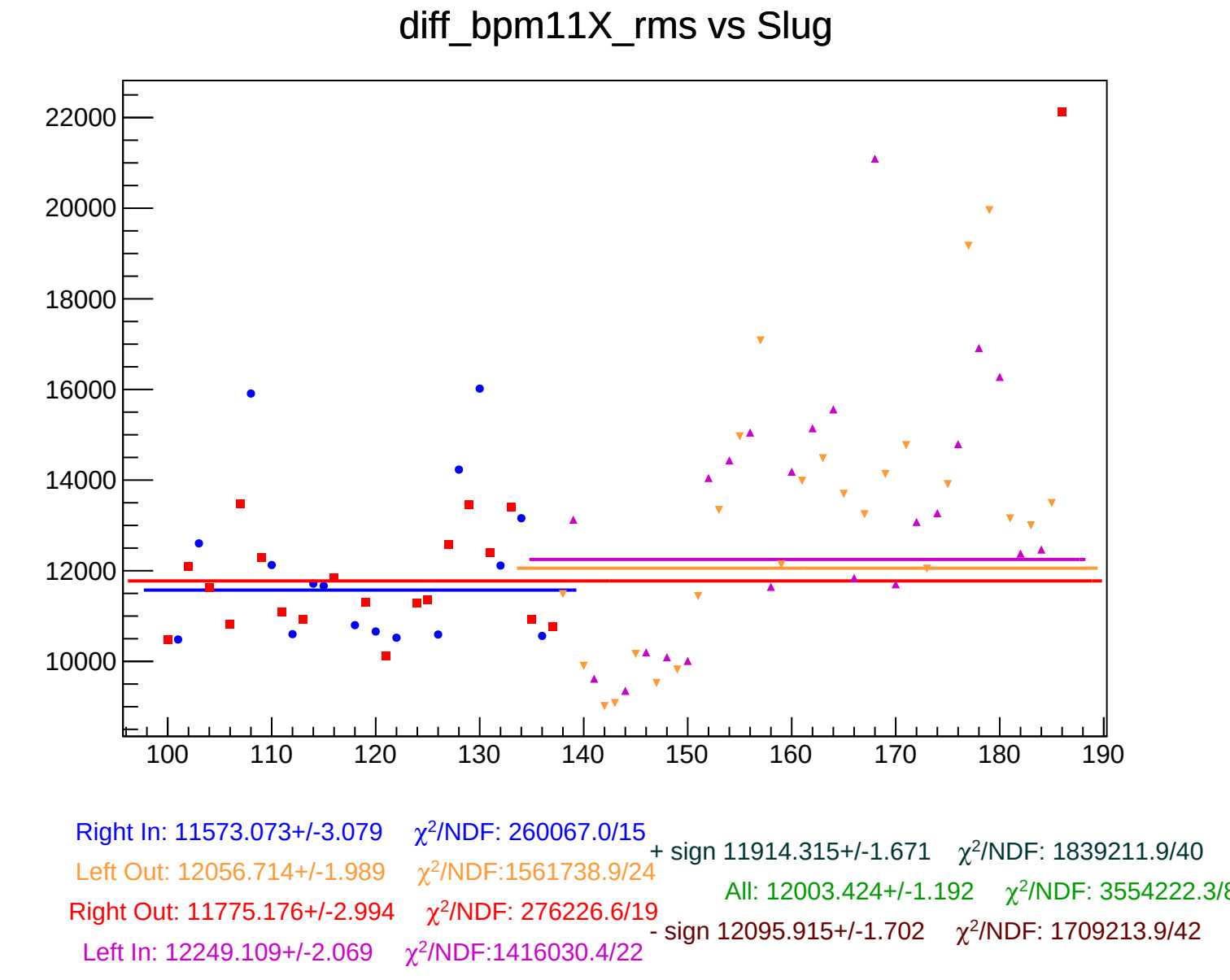
Right Out: -0.159+/-4.234 χ^2/NDF: 18.6/19

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

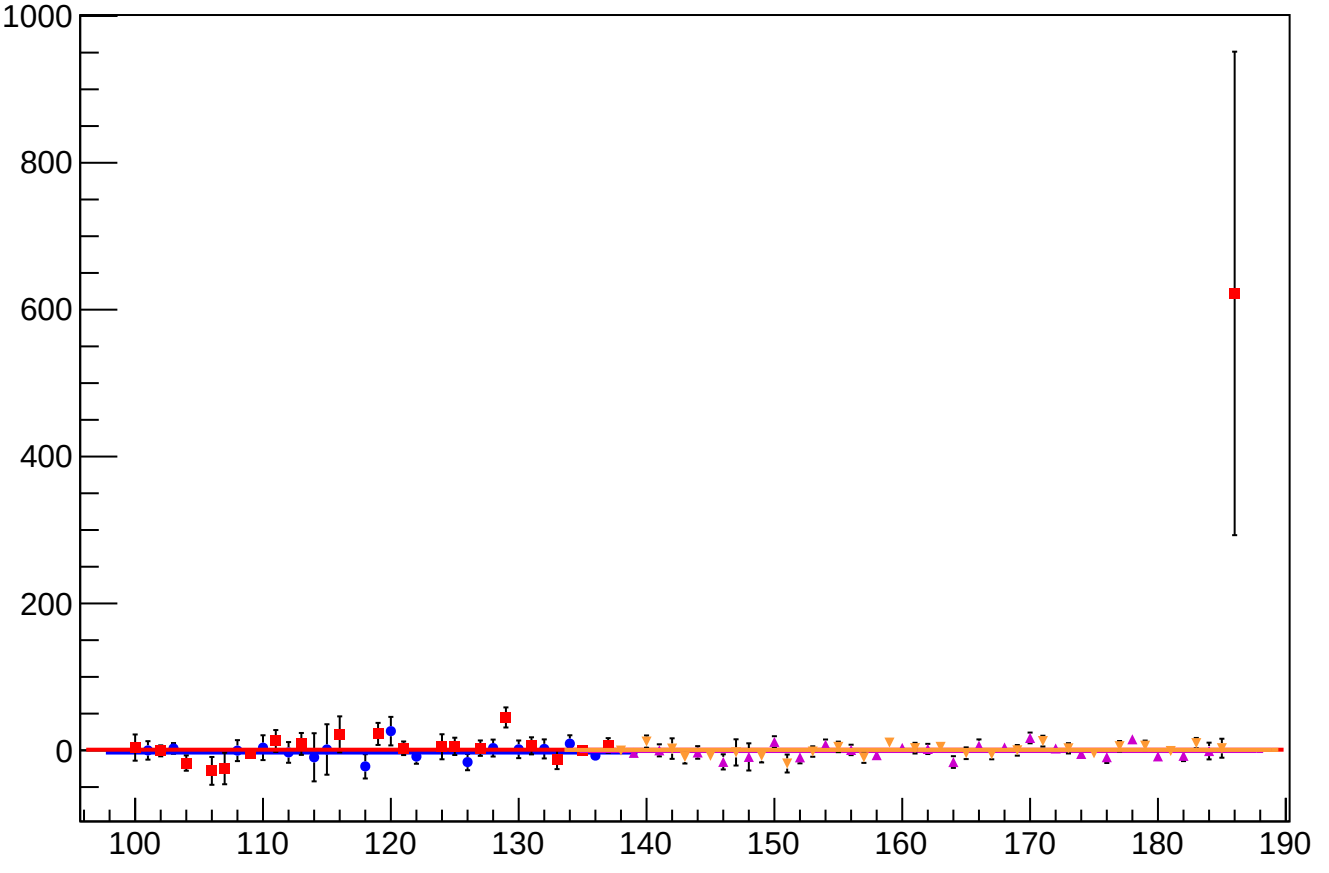
+ sign -2.139+/-2.363 χ^2/NDF: 50.0/40

All: -1.086+/-1.686 χ^2/NDF: 80.5/83

- sign 0.006+/-2.407 χ^2/NDF: 30.1/42


diff_bpm11X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 11775.176+/-2.994 χ²/NDF: 276226.6/19
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
+ sign 11914.315+/-1.671 χ²/NDF: 1839211.9/40
All: 12003.424+/-1.192 χ²/NDF: 3554222.3/8
- sign 12095.915+/-1.702 χ²/NDF: 1709213.9/42

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 0.863+/-2.352 χ^2/NDF: 27.4/19

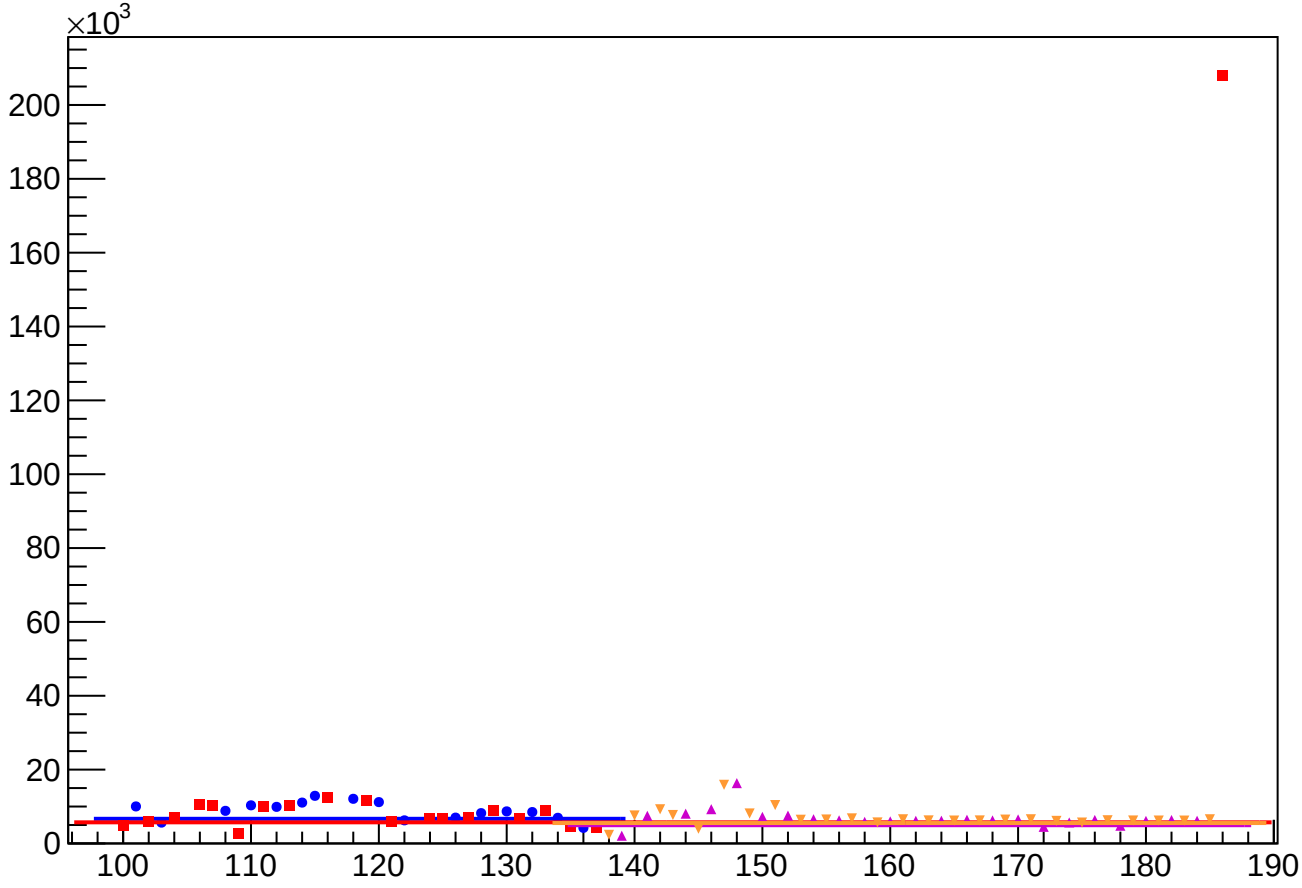
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign -0.218+/-1.216 χ^2/NDF: 31.5/40

All: -0.383+/-0.829 χ^2/NDF: 91.5/83

- sign -0.526+/-1.134 χ^2/NDF: 60.0/42

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

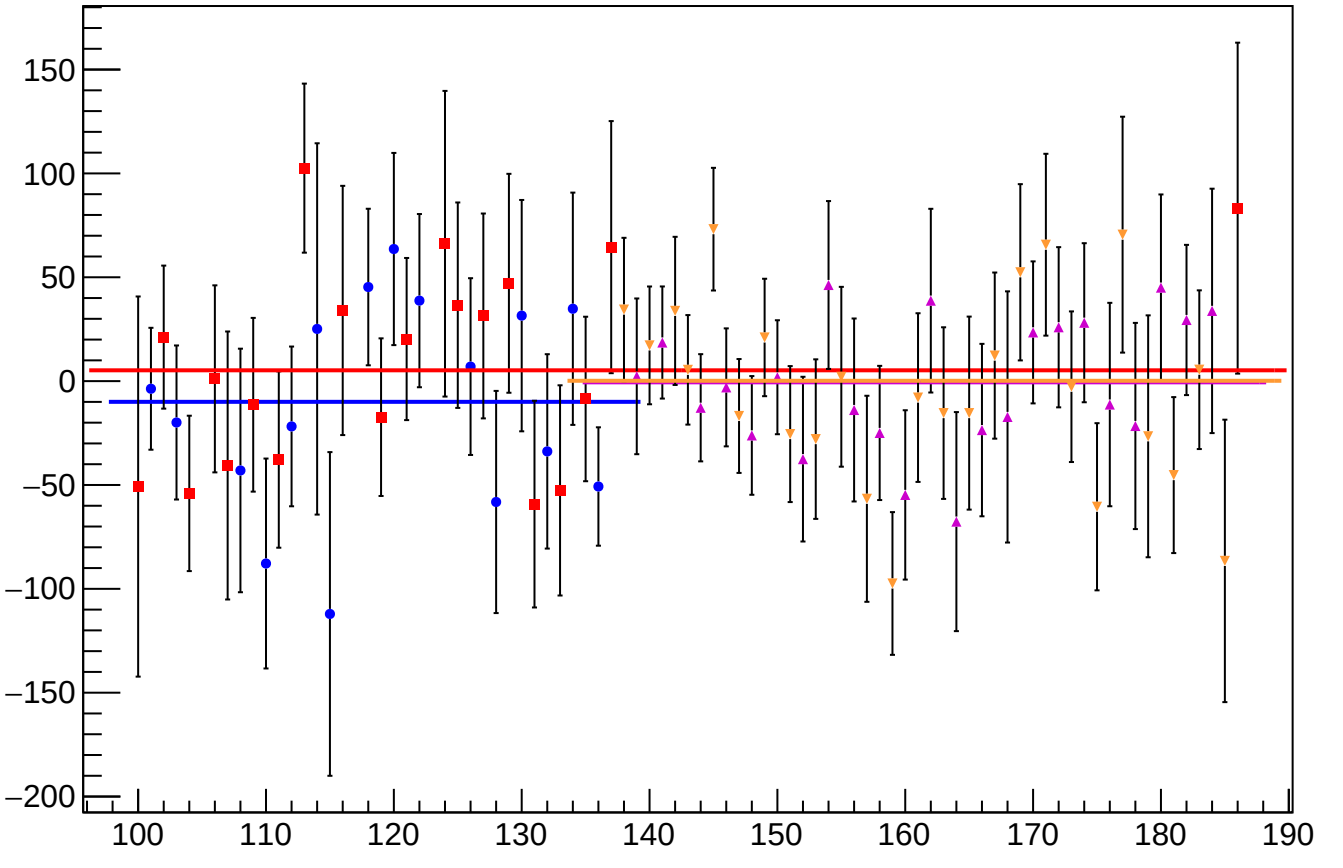
Right Out: 5720.140+/-1.663 χ^2/NDF: 3055450.0/19

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5769.359+/-0.860 χ^2/NDF: 6244671.1/40

All: 5423.454+/-0.587 χ^2/NDF: 15706520.2/8

- sign 5122.918+/-0.802 χ^2/NDF: 9159639.0/42



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: 5.205+/-10.543 χ^2/NDF: 18.3/19

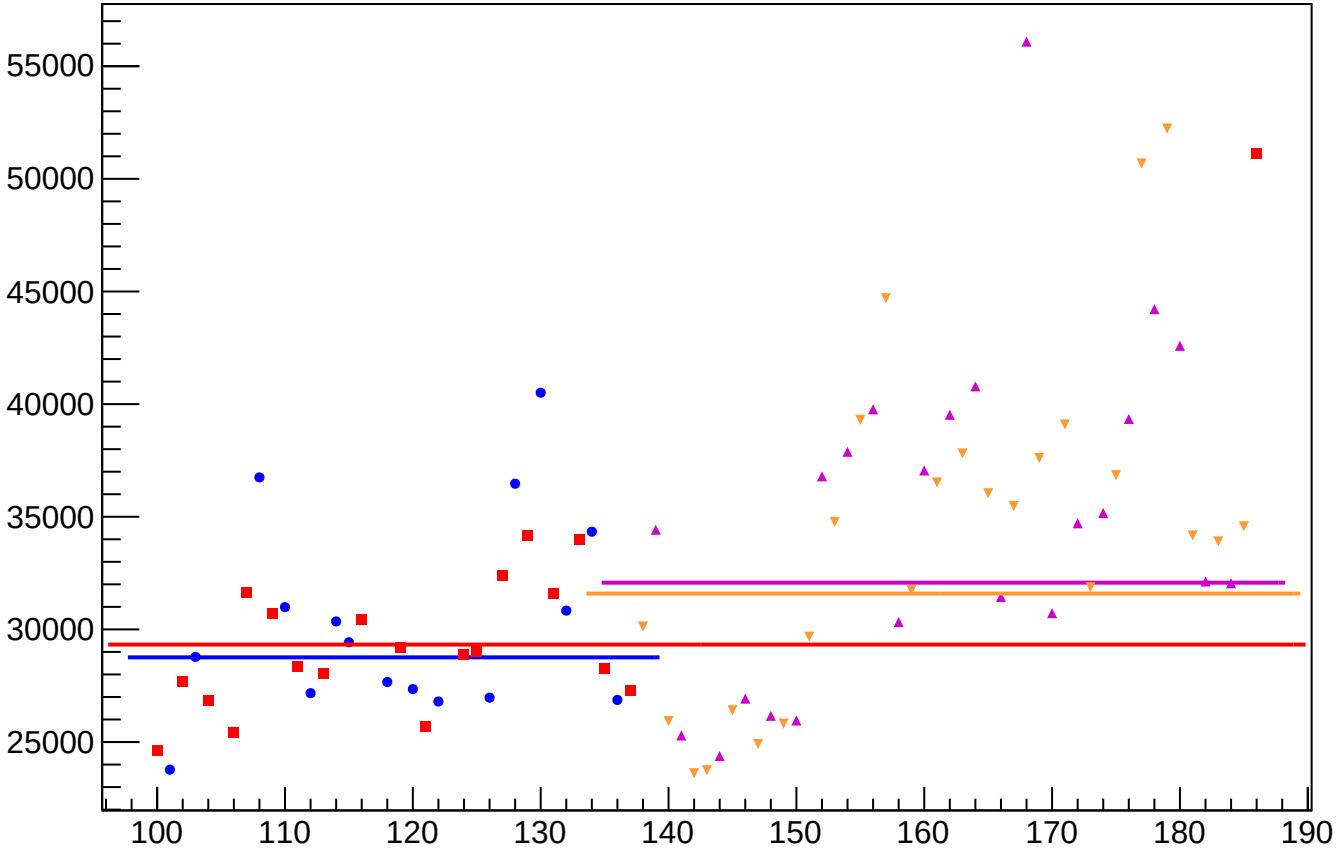
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -3.041+/-6.097 χ^2/NDF: 47.0/40

All: -0.850+/-4.347 χ^2/NDF: 78.5/83

- sign 1.417+/-6.201 χ^2/NDF: 31.3/42

diff_bpm12X_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 29326.308+/-7.455 χ^2/NDF: 258762.6/19

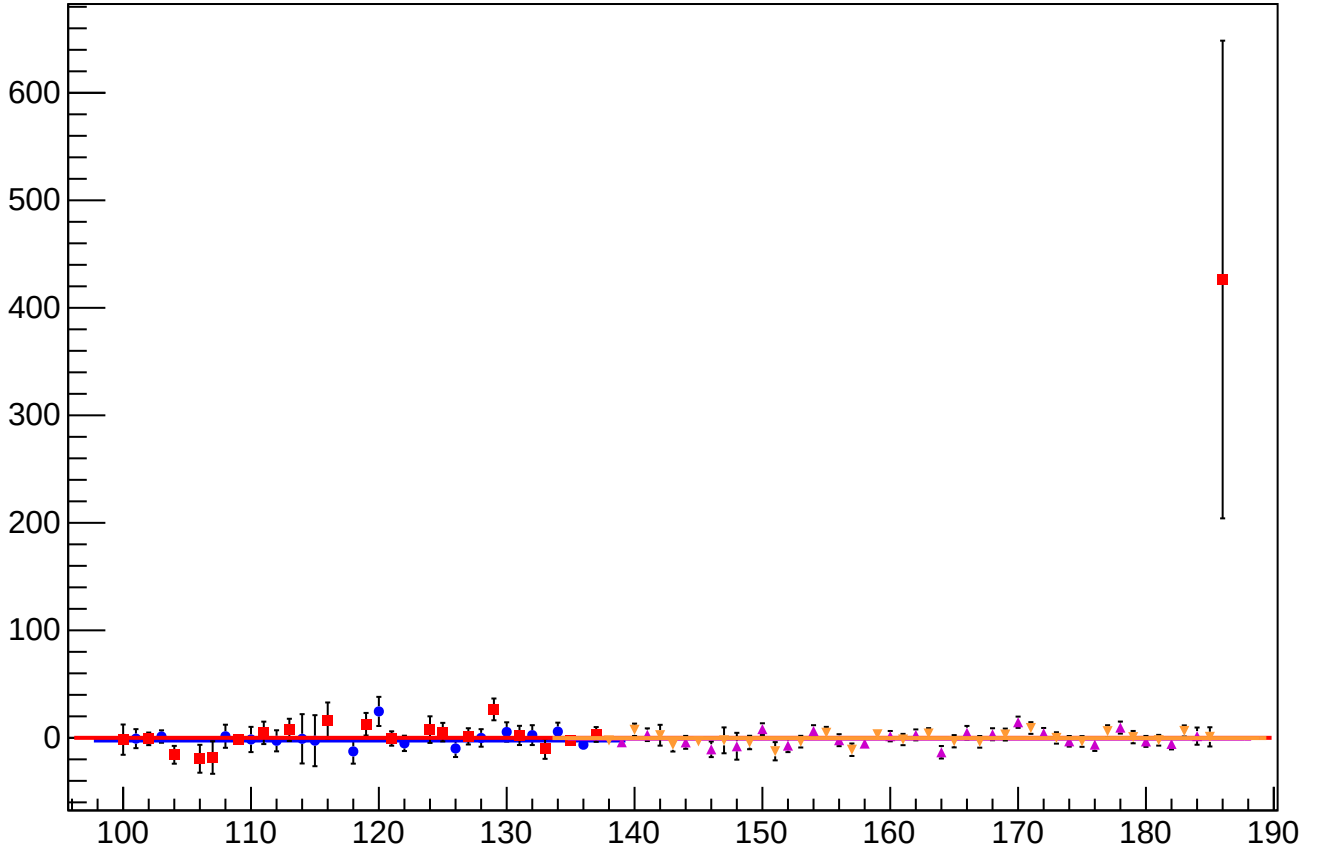
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 30693.761+/-4.311 χ^2/NDF: 1961785.6/40

All: 30905.358+/-3.074 χ^2/NDF: 3770091.5/8

- sign 31124.226+/-4.385 χ^2/NDF: 1803405.0/42

diff_bpm12Y_mean vs Slug



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 0.020+/-1.828 χ^2/NDF: 23.6/19

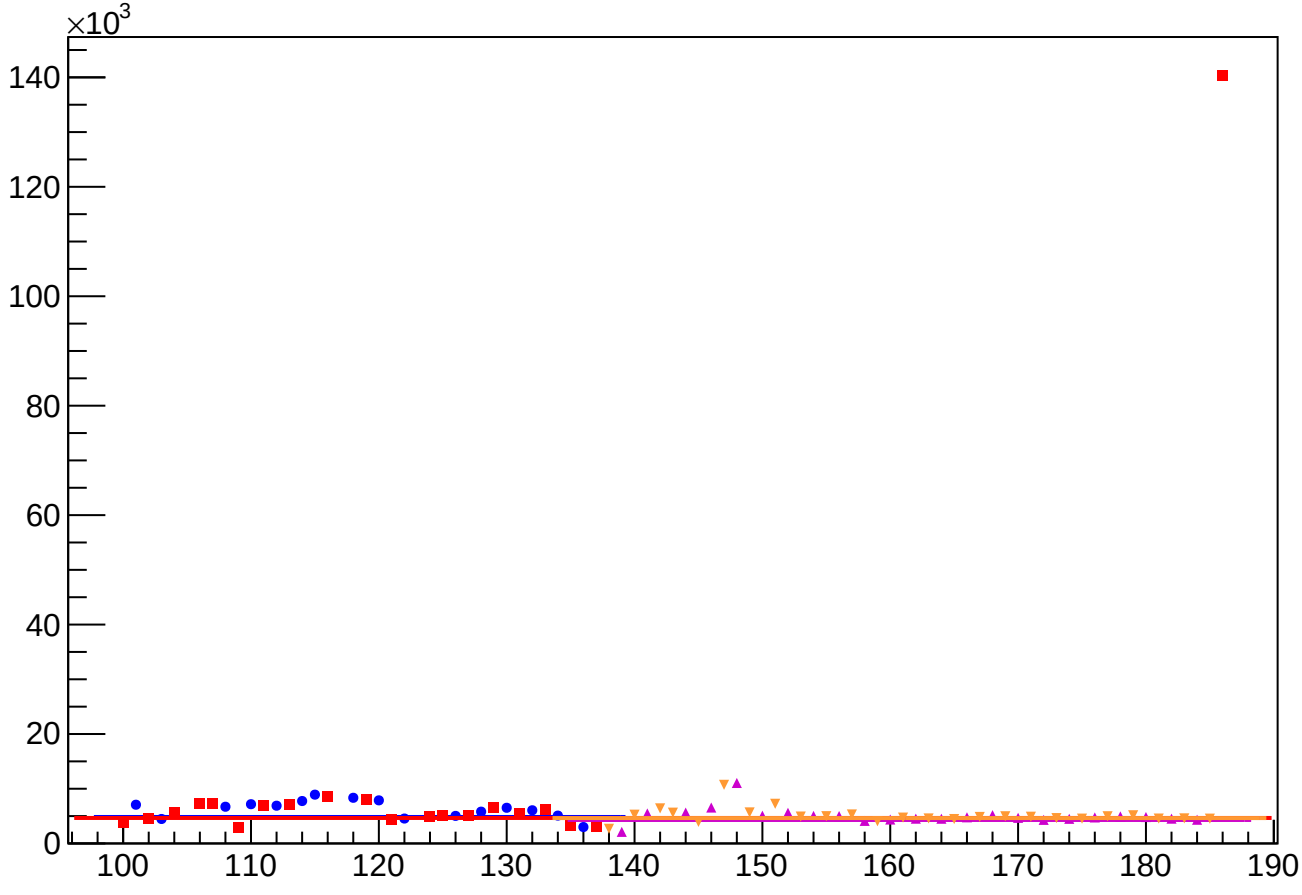
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.777+/-0.950 χ^2/NDF: 31.0/40

All: -0.678+/-0.660 χ^2/NDF: 88.5/83

- sign -0.585+/-0.917 χ^2/NDF: 57.6/42

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 4658.797+/-1.293 χ^2/NDF: 2180075.2/19

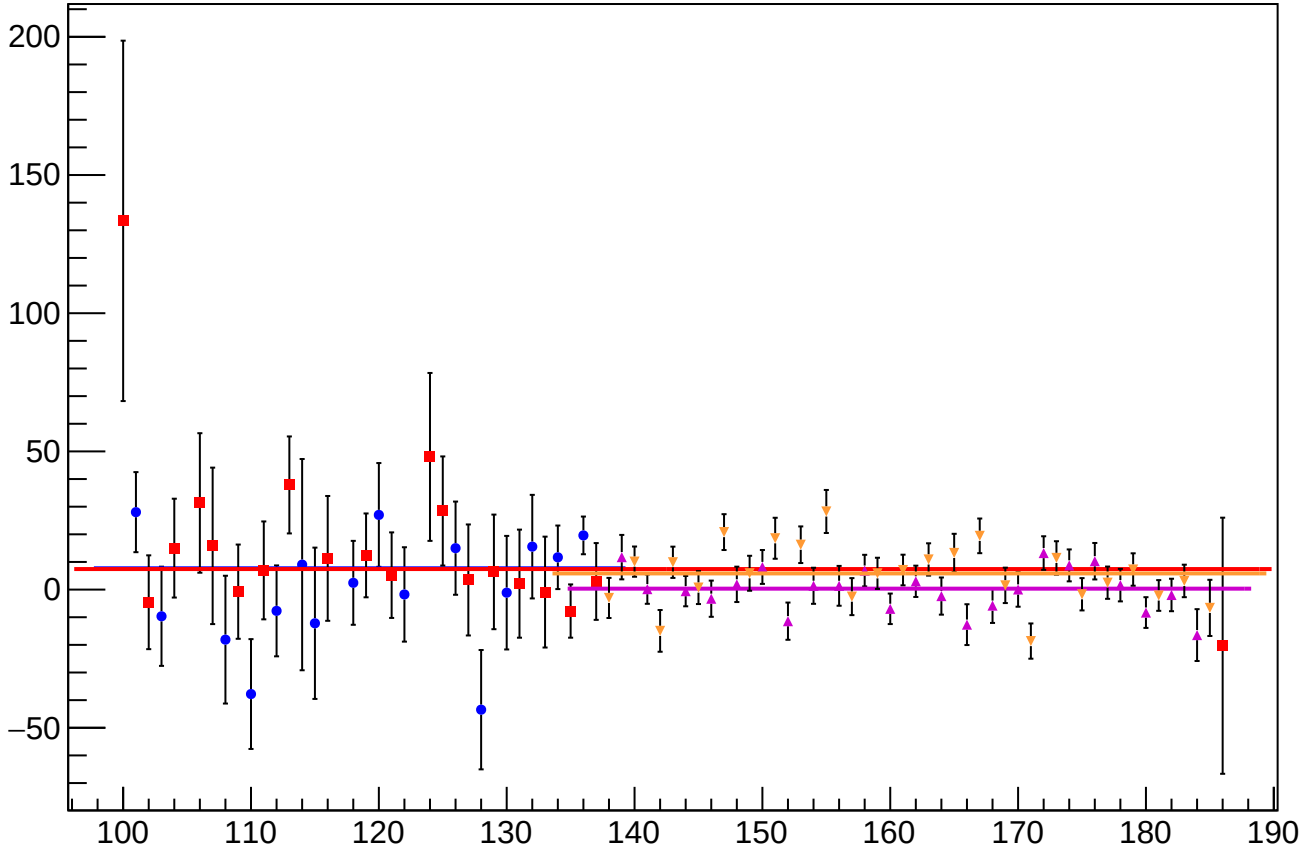
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4686.526+/-0.672 χ^2/NDF: 3327272.9/40

All: 4531.375+/-0.467 χ^2/NDF: 8765299.7/83

- sign 4386.675+/-0.649 χ^2/NDF: 5334920.0/42

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 7.433+/-4.083 χ^2/NDF: 14.9/19

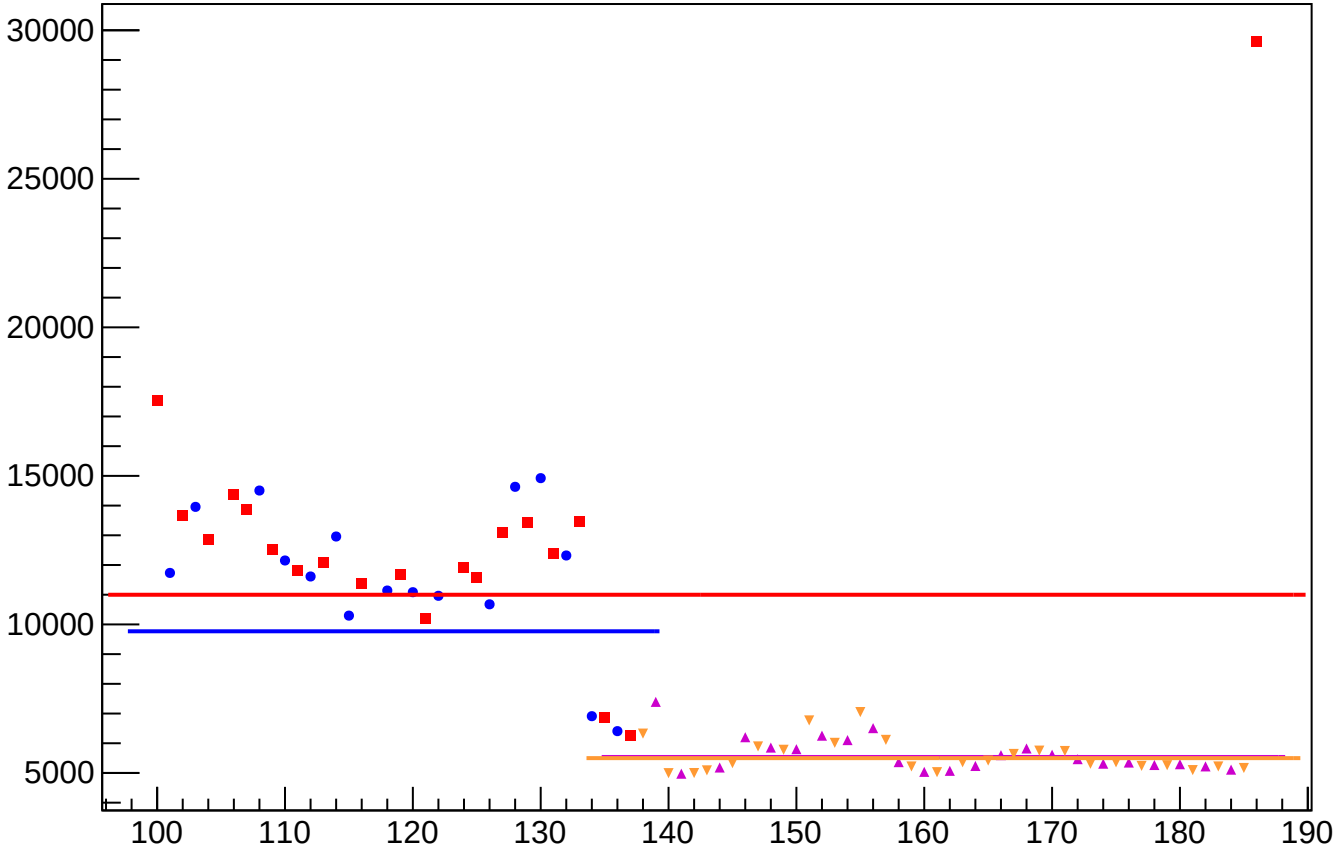
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.030+/-1.194 χ^2/NDF: 81.9/40

All: 3.603+/-0.860 χ^2/NDF: 137.5/83

- sign 0.991+/-1.239 χ^2/NDF: 47.0/42

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

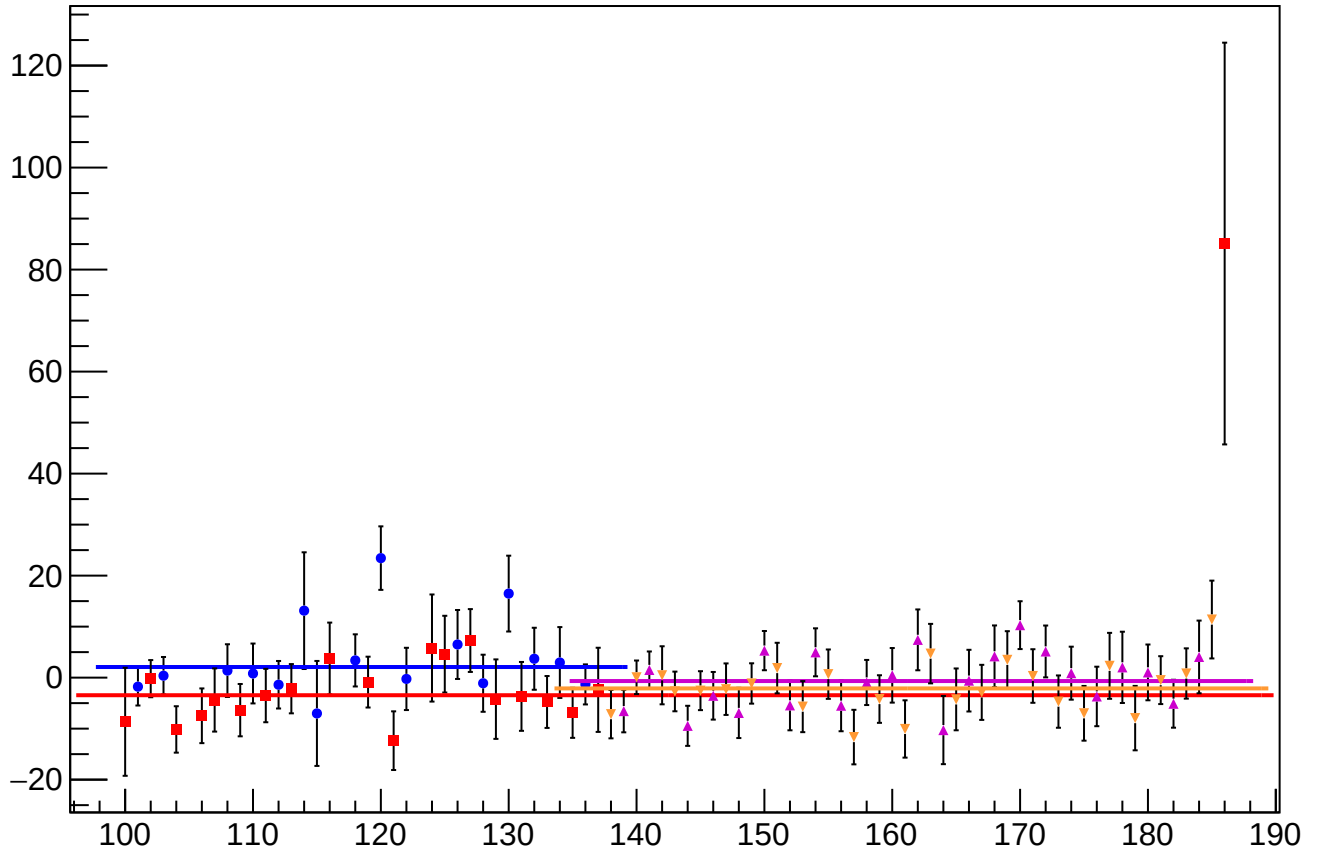
Right Out: 10998.708+/-2.887 χ^2/NDF: 1199938.3/19

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 5916.638+/-0.845 χ^2/NDF: 3765859.5/40

All: 5976.474+/-0.608 χ^2/NDF: 8527931.0/83

- sign 6040.909+/-0.876 χ^2/NDF: 4751646.2/42



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -3.449+/-1.303 χ^2/NDF: 18.5/19

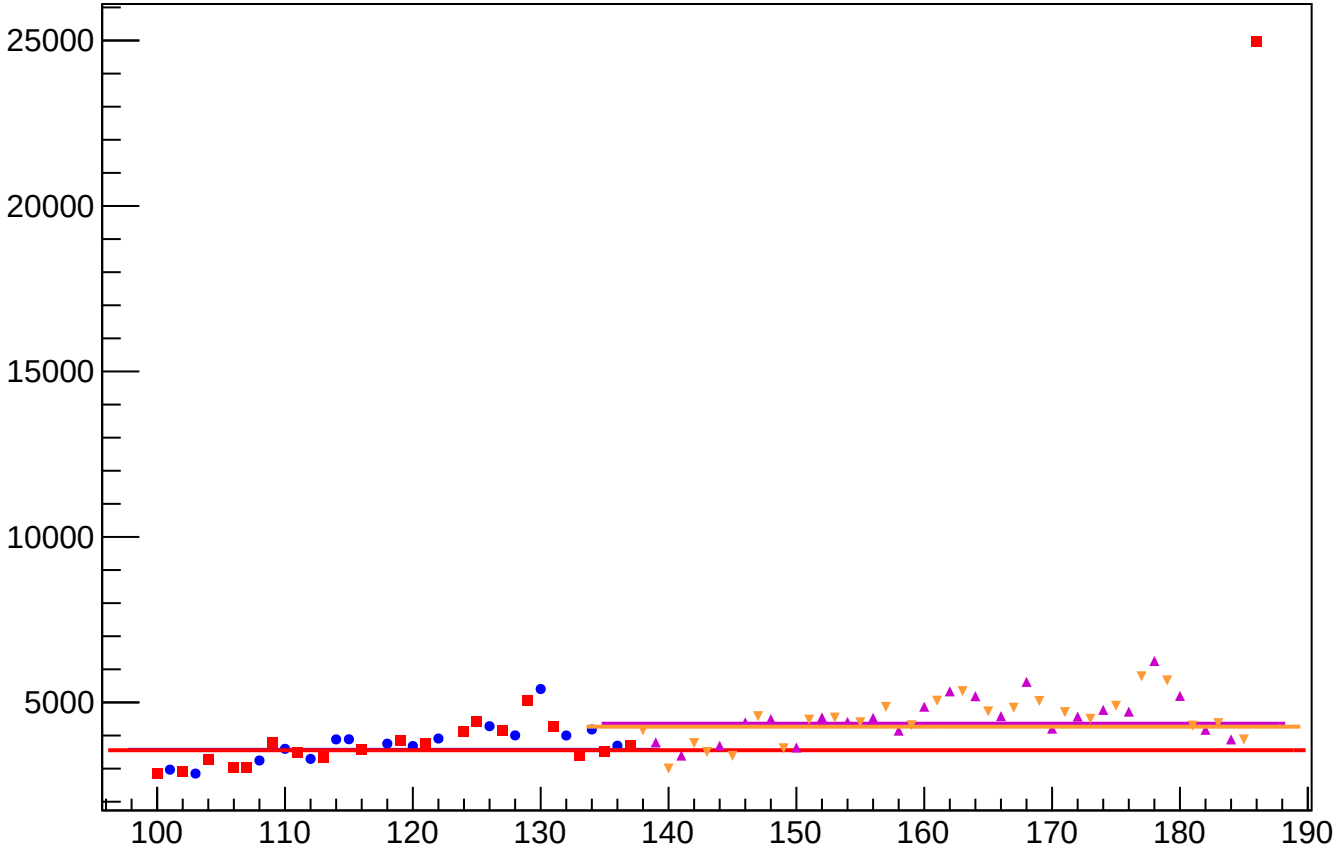
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -0.646+/-0.796 χ^2/NDF: 44.8/40

All: -1.184+/-0.567 χ^2/NDF: 95.4/83

- sign -1.740+/-0.809 χ^2/NDF: 49.7/42

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 3555.669+/-0.922 χ^2/NDF: 870490.1/19

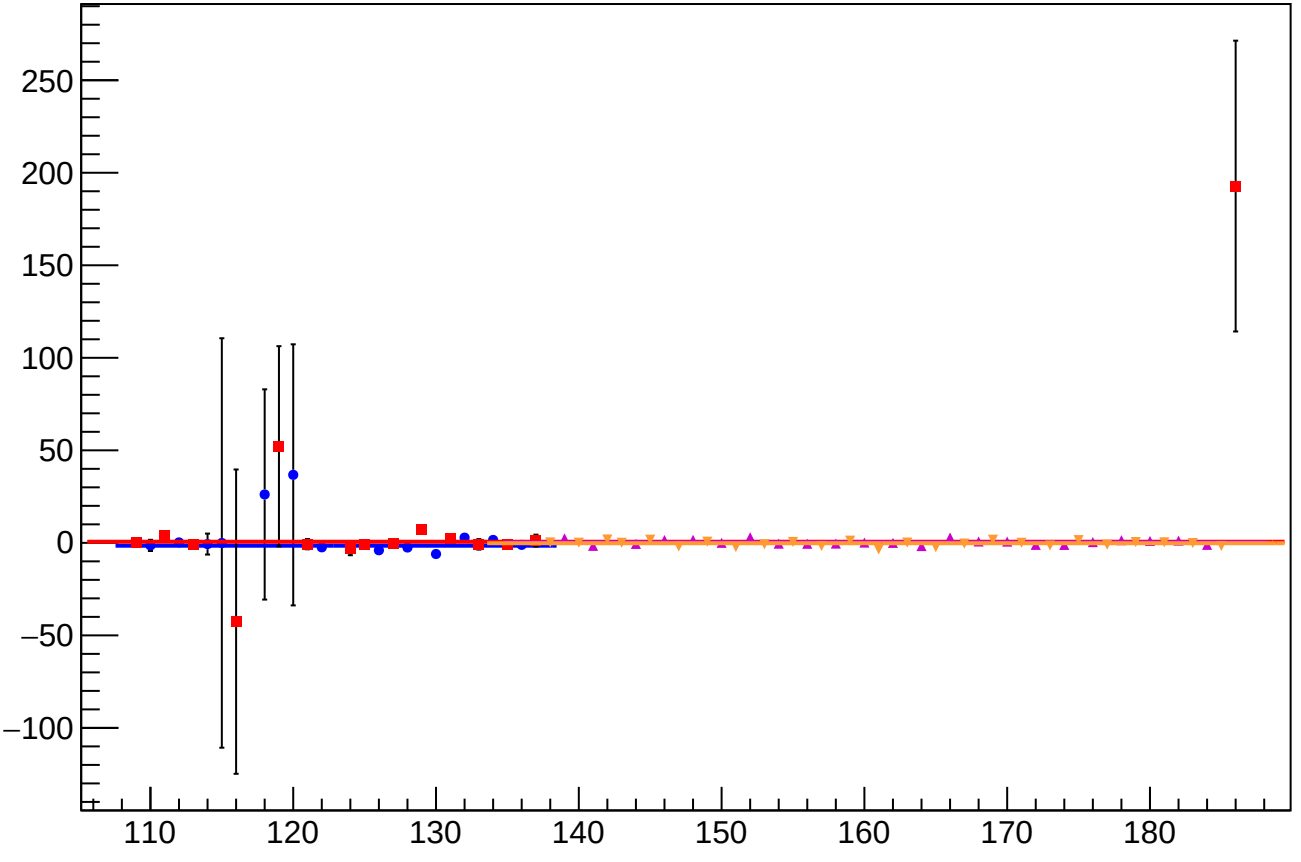
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 4022.082+/-0.563 χ^2/NDF: 1729254.3/40

All: 4034.812+/-0.401 χ^2/NDF: 3807527.0/83

- sign 4047.948+/-0.572 χ^2/NDF: 2077233.2/42

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 0.604+/-0.717 χ^2/NDF: 18.7/14

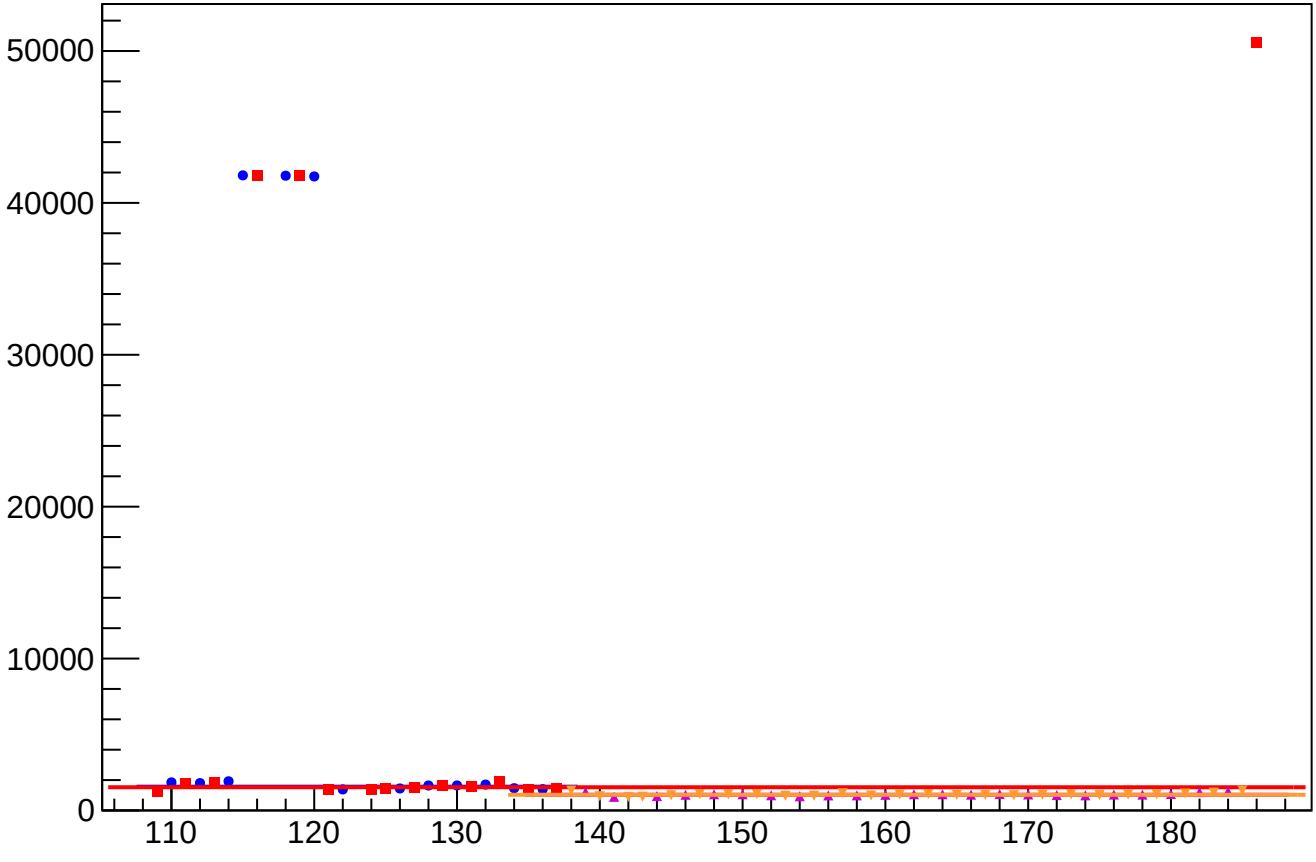
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.326+/-0.224 χ^2/NDF: 48.0/37

All: 0.010+/-0.160 χ^2/NDF: 100.8/75

- sign 0.361+/-0.229 χ^2/NDF: 48.2/37

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1527.761+/-0.507 χ^2/NDF: 2518168.1/14

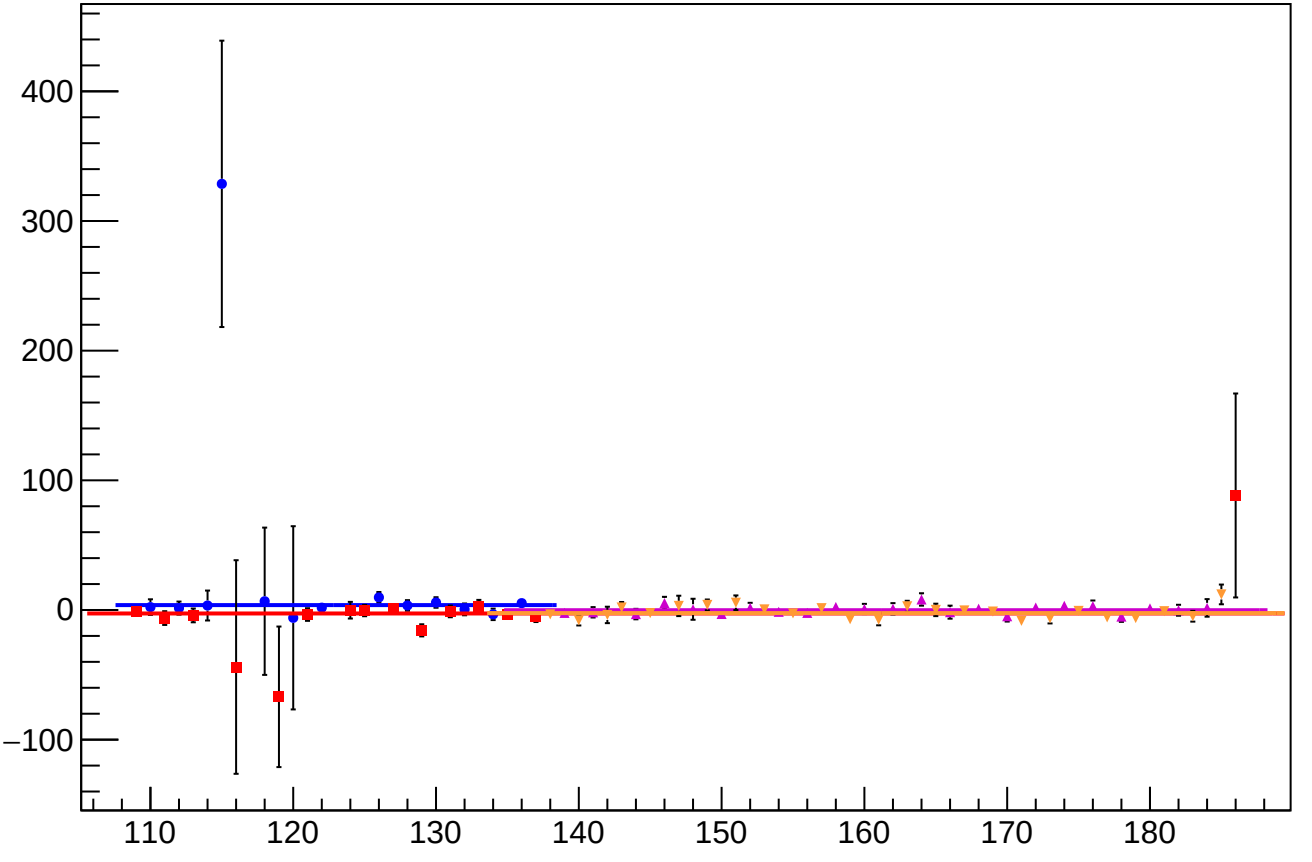
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1081.363+/-0.159 χ^2/NDF: 3219714.3/37

All: 1082.355+/-0.113 χ^2/NDF: 6780763.1/75

- sign 1083.394+/-0.162 χ^2/NDF: 3560968.7/37

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -2.687+/-1.211 χ^2/NDF: 15.0/14

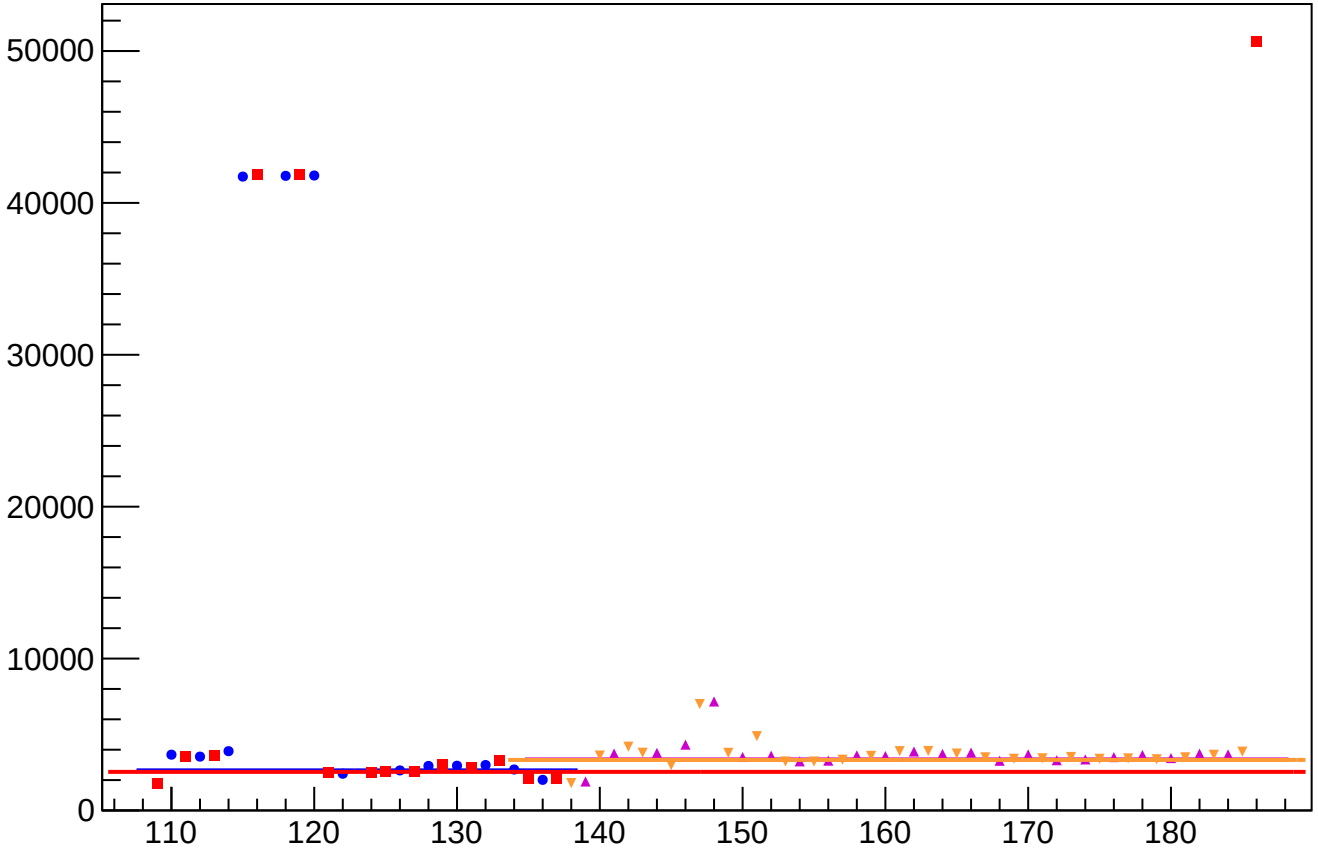
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.645+/-0.663 χ^2/NDF: 56.9/37

All: -0.794+/-0.472 χ^2/NDF: 87.6/75

- sign -0.949+/-0.673 χ^2/NDF: 30.6/37

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2540.410+/-0.856 χ^2/NDF: 2696795.3/14

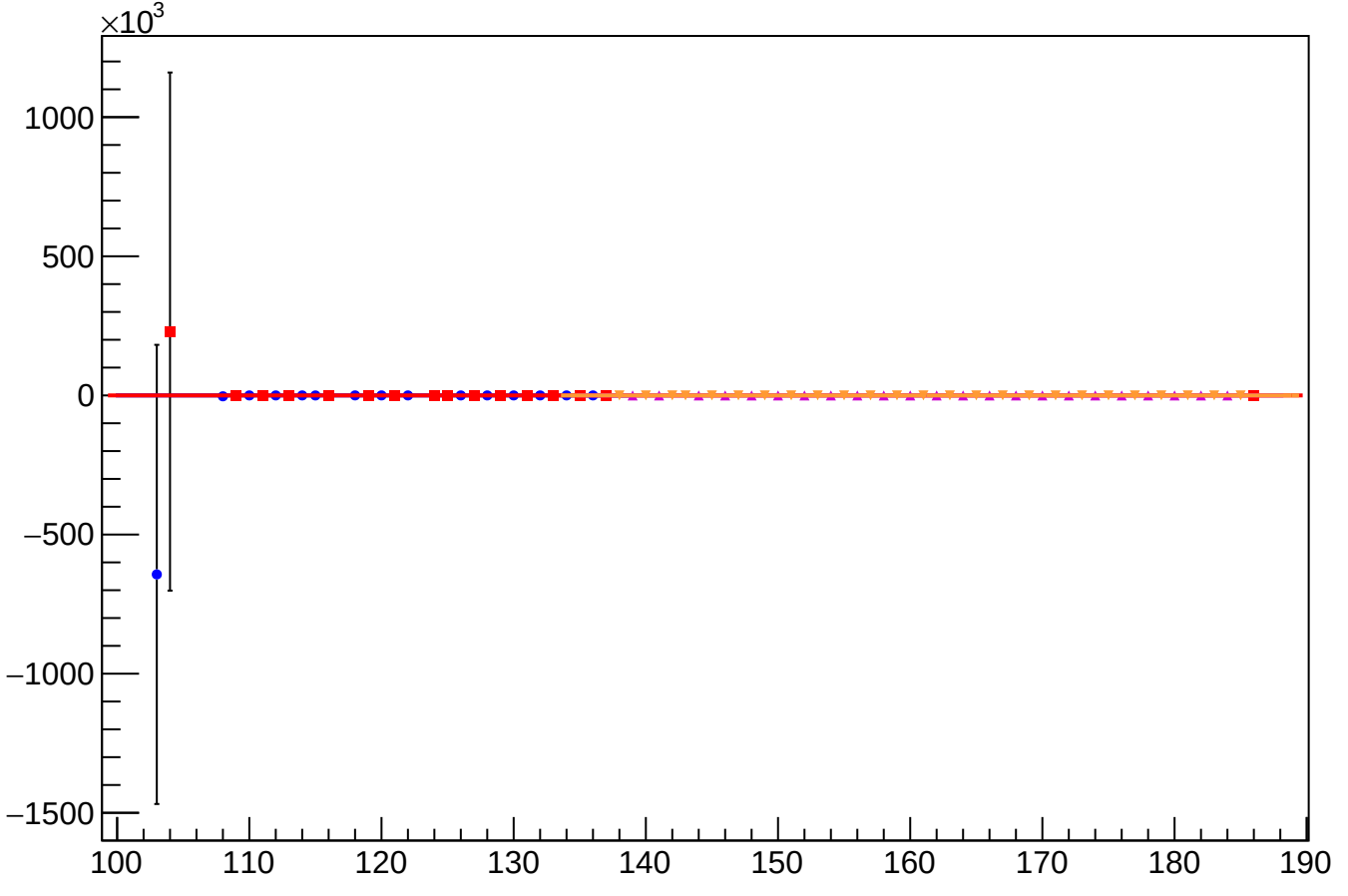
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 3134.234+/-0.469 χ^2/NDF: 4525624.2/37

All: 3120.985+/-0.334 χ^2/NDF: 9507937.5/75

- sign 3107.323+/-0.476 χ^2/NDF: 4980689.8/37

diff_bpm1p03aX_mean vs Slug



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -2.633+/-1.211 χ^2/NDF: 19.0/15

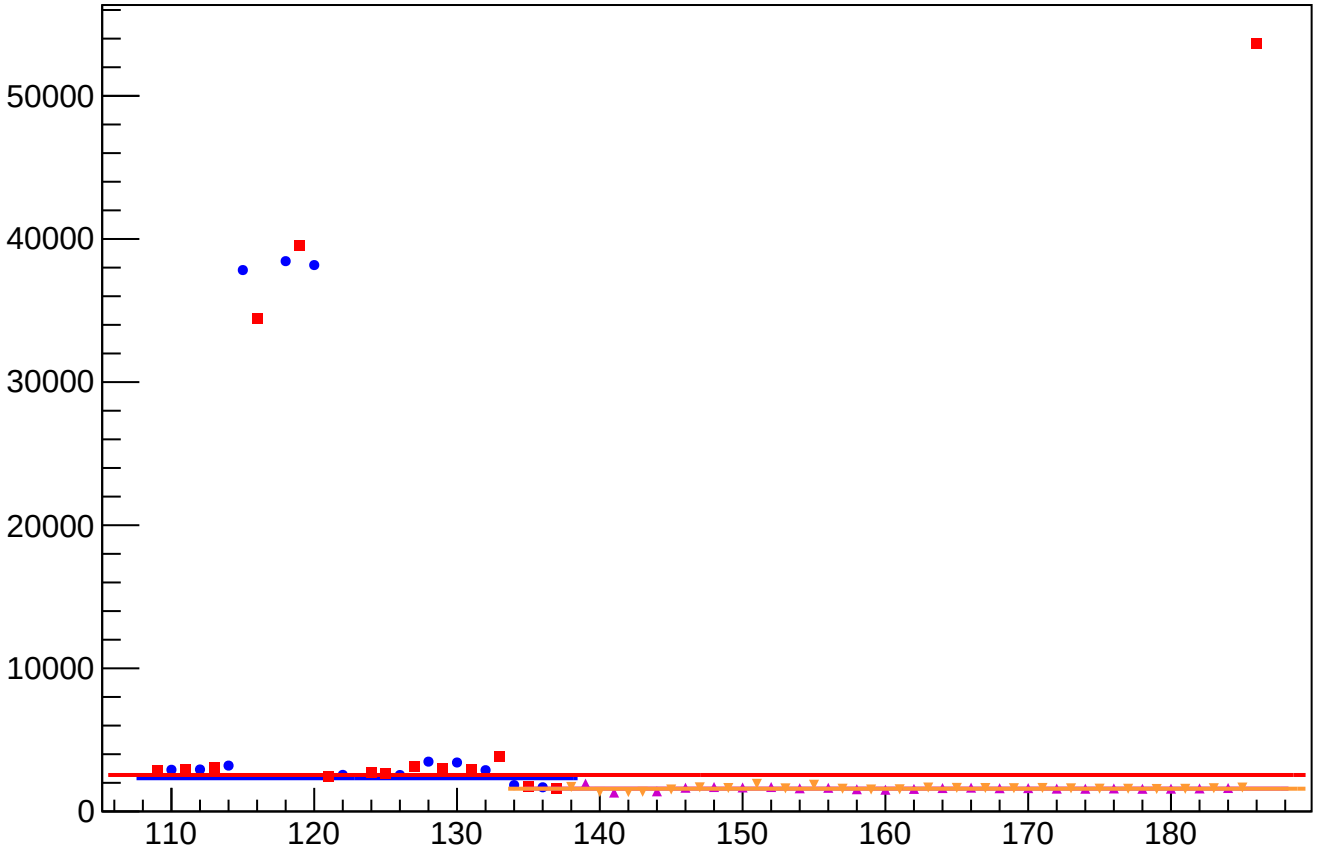
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.539+/-0.345 χ^2/NDF: 69.2/39

All: -0.900+/-0.248 χ^2/NDF: 126.9/78

- sign -0.214+/-0.358 χ^2/NDF: 50.7/38

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2548.389+/-0.856 χ^2/NDF: 2789287.7/14

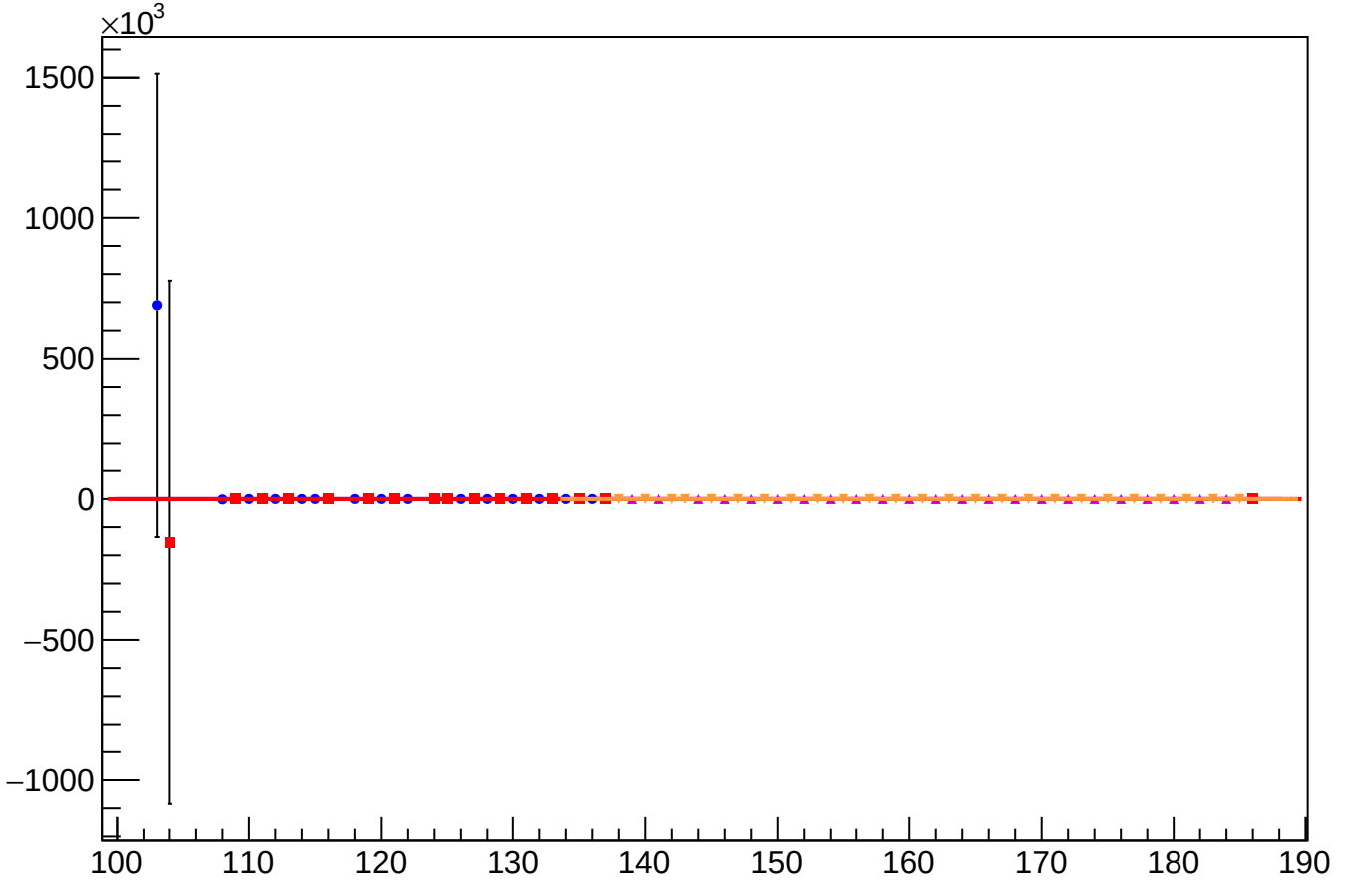
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1658.351+/-0.244 χ^2/NDF: 3458372.7/37

All: 1668.445+/-0.176 χ^2/NDF: 7576660.3/75

- sign 1679.273+/-0.253 χ^2/NDF: 4114747.1/37

diff_bpm1p03aY_mean vs Slug



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -1.883+/-1.052 χ^2/NDF: 15.9/15

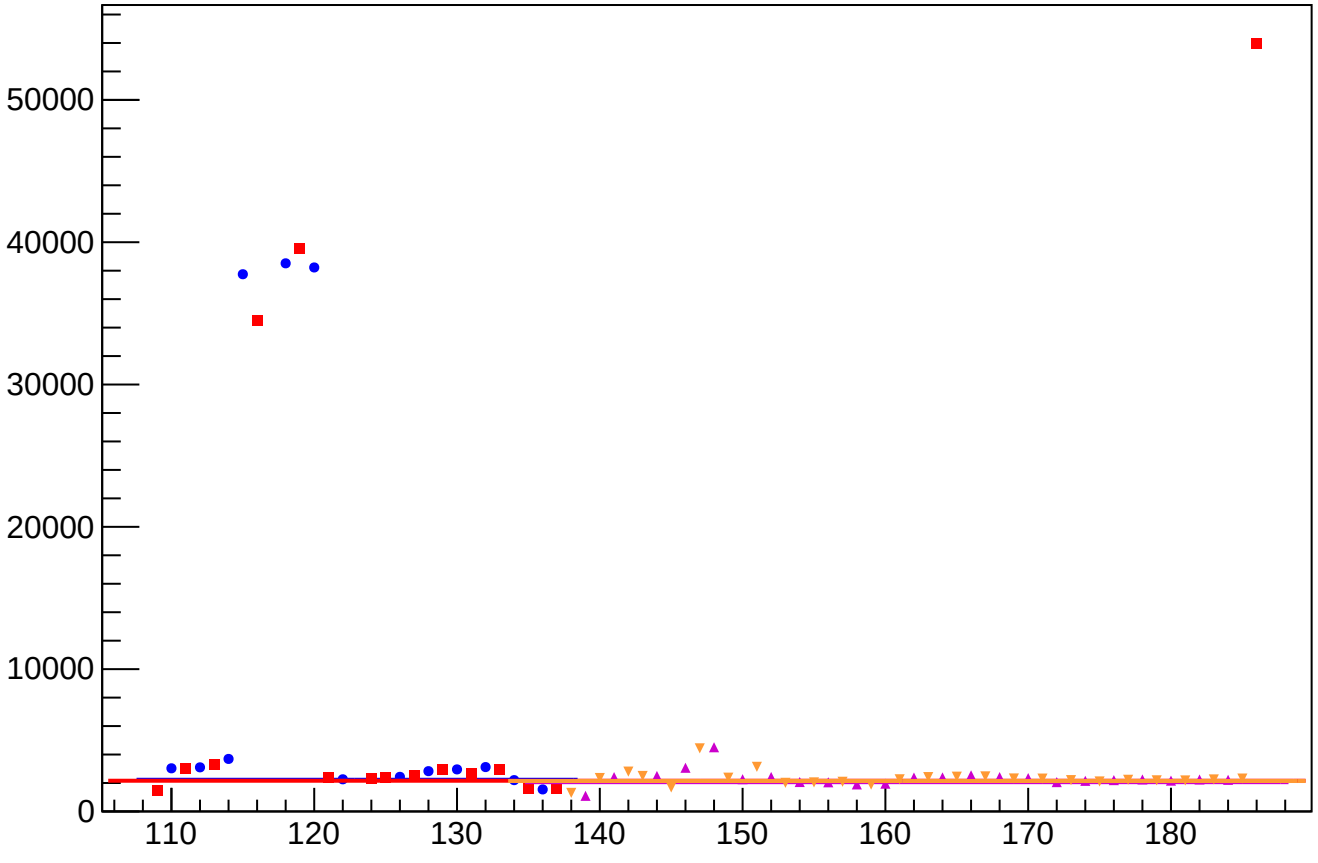
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.663+/-0.455 χ^2/NDF: 35.3/39

All: -0.454+/-0.321 χ^2/NDF: 71.5/78

- sign -0.247+/-0.452 χ^2/NDF: 35.7/38

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 2158.985+/-0.744 χ^2/NDF: 2994256.5/14

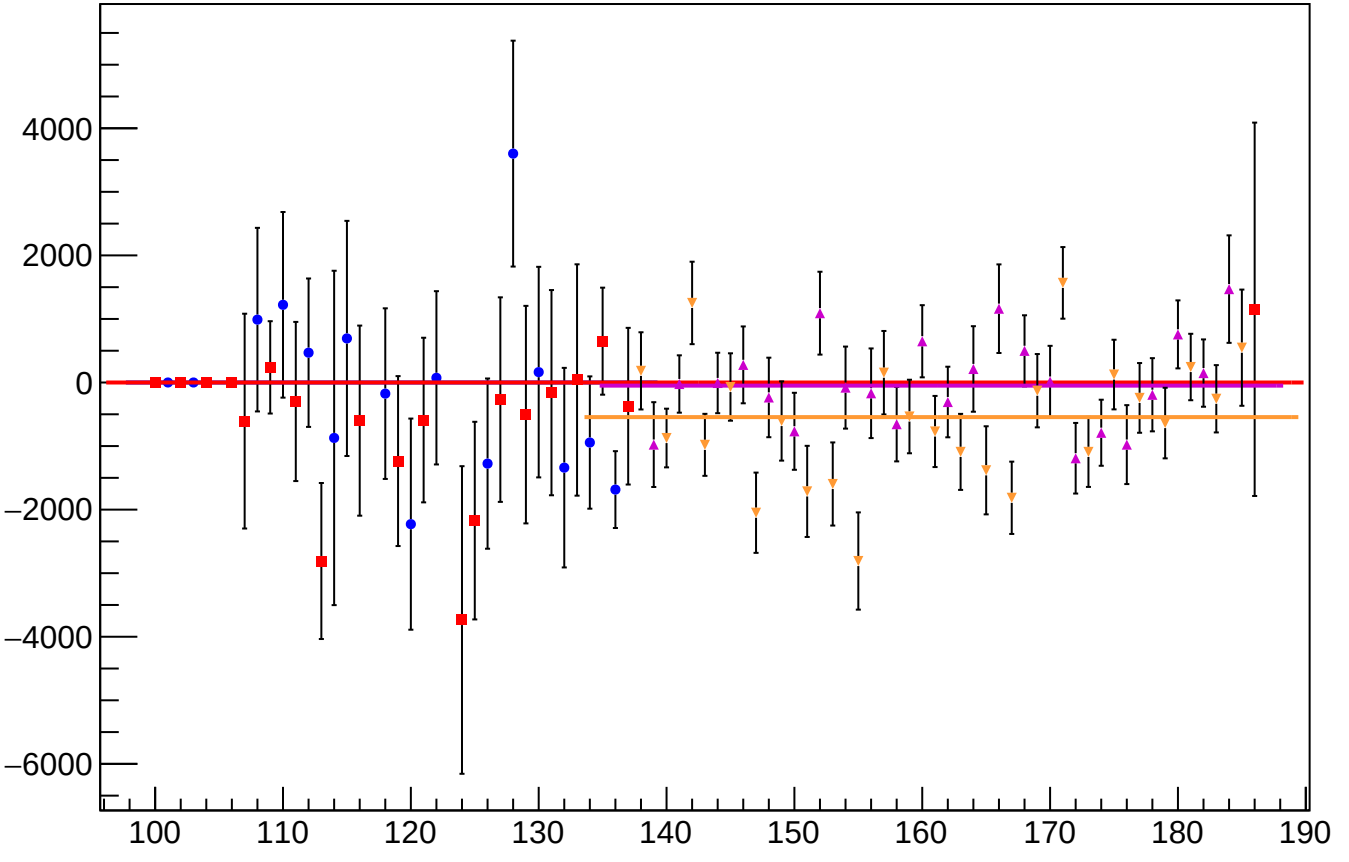
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2154.939+/-0.322 χ^2/NDF: 4013187.3/37

All: 2115.662+/-0.227 χ^2/NDF: 9345591.9/75

- sign 2076.871+/-0.320 χ^2/NDF: 5302821.6/37

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: 0.096+/-0.328 χ^2/NDF: 15.6/19

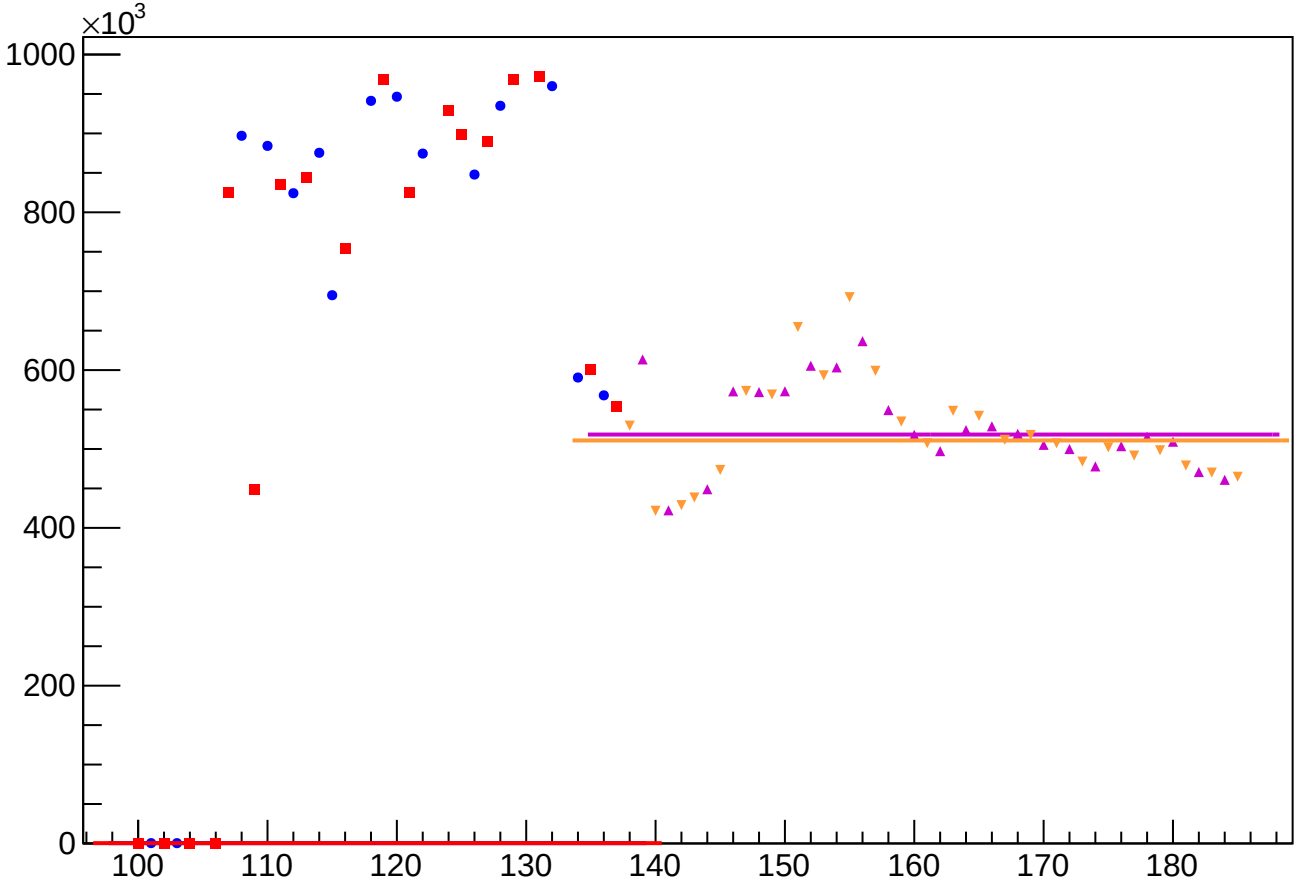
Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.250+/-0.356 χ^2/NDF: 100.2/40

All: 0.167+/-0.241 χ^2/NDF: 144.0/83

- 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

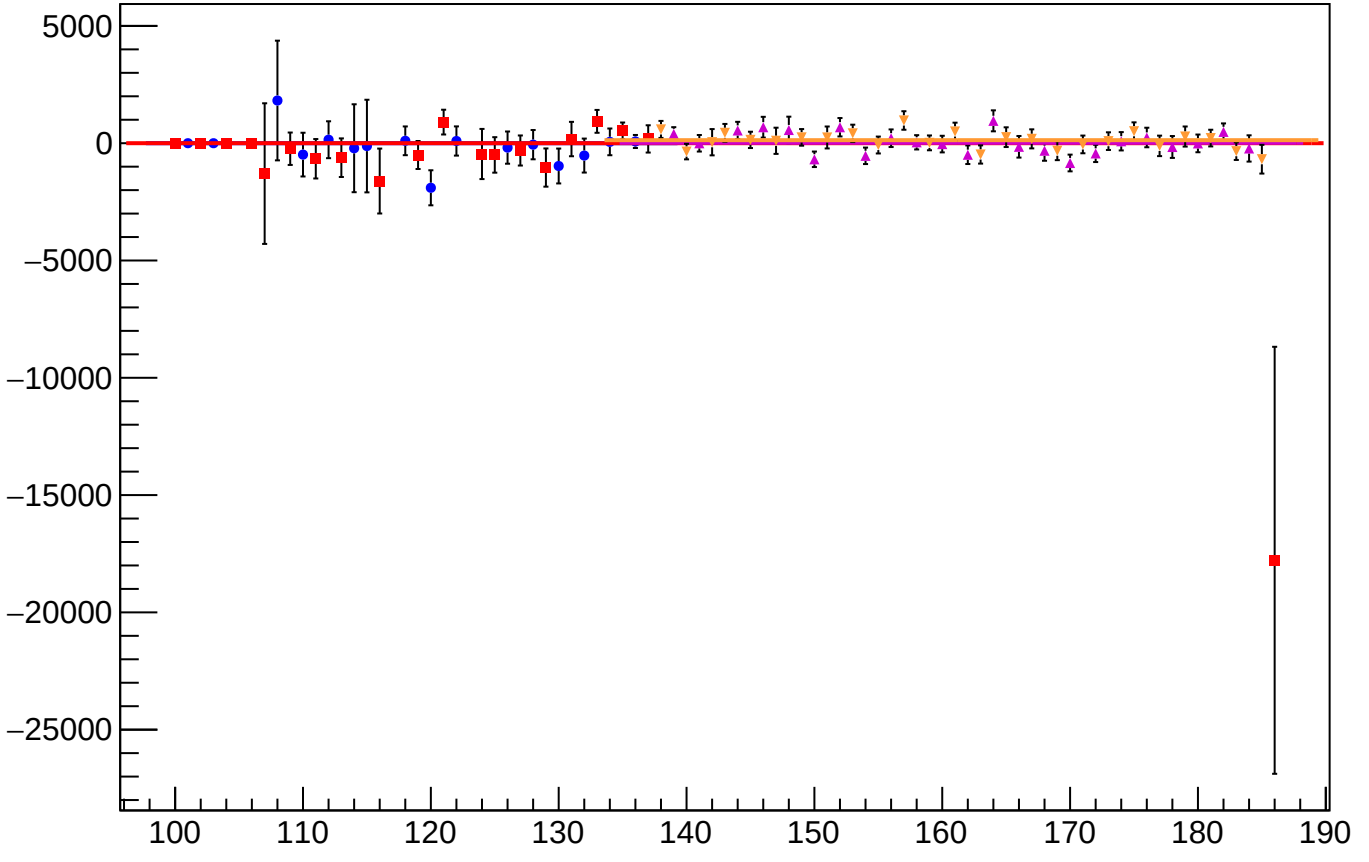
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ 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: 10.5/15

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

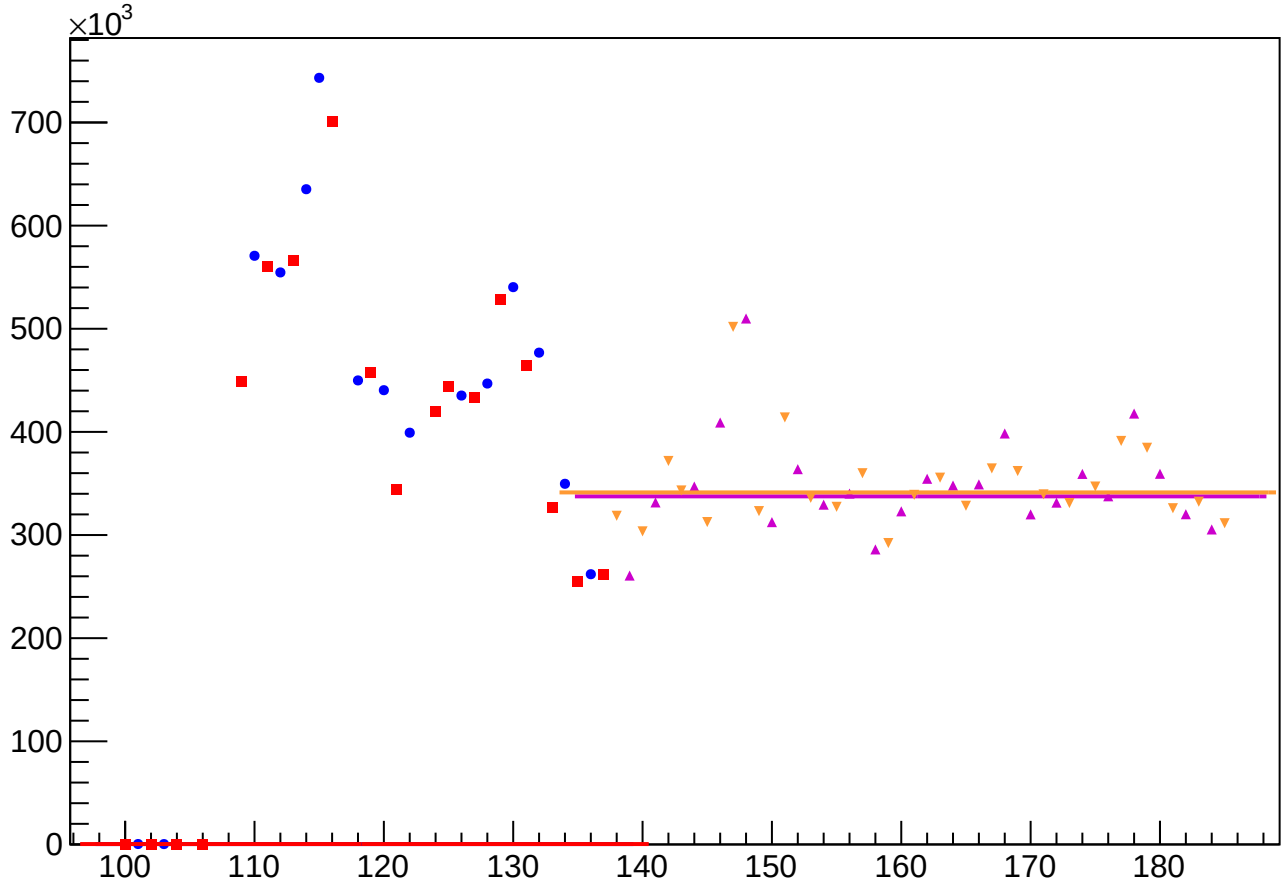
Right Out: 0.599+/-0.324 χ^2/NDF: 18.8/19

Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.018+/-0.347 χ^2/NDF: 33.3/40

All: 0.312+/-0.237 χ^2/NDF: 87.5/83

- sign 0.599+/-0.324 χ^2/NDF: 52.6/42



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

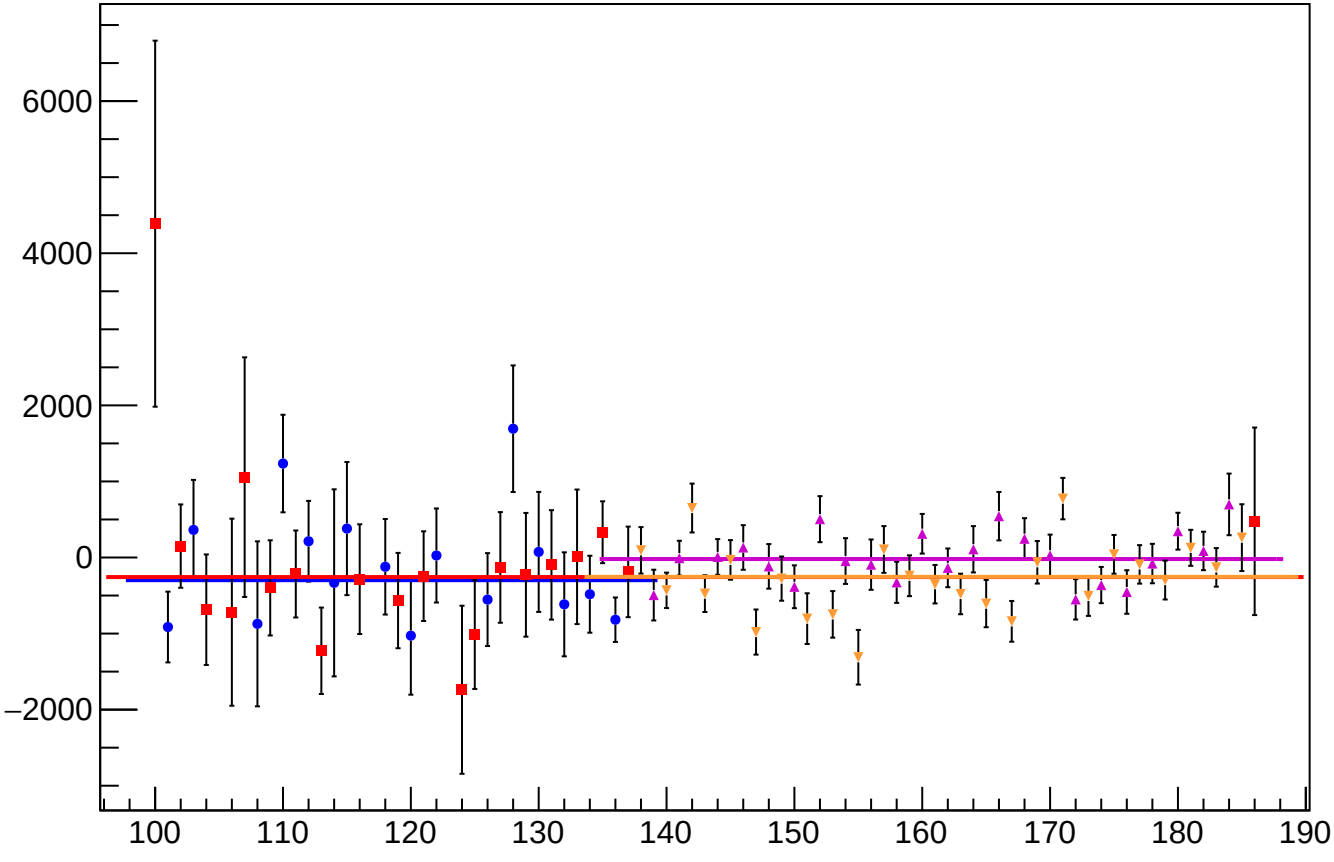
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 396.985+/-0.245 χ^2/NDF: 49503151.2/39

All: 395.142+/-0.167 χ^2/NDF: 96896752.9/80

- sign 393.539+/-0.229 χ^2/NDF: 47393496.3/40

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: -257.063+/-155.334 χ^2/NDF: 14.2/19

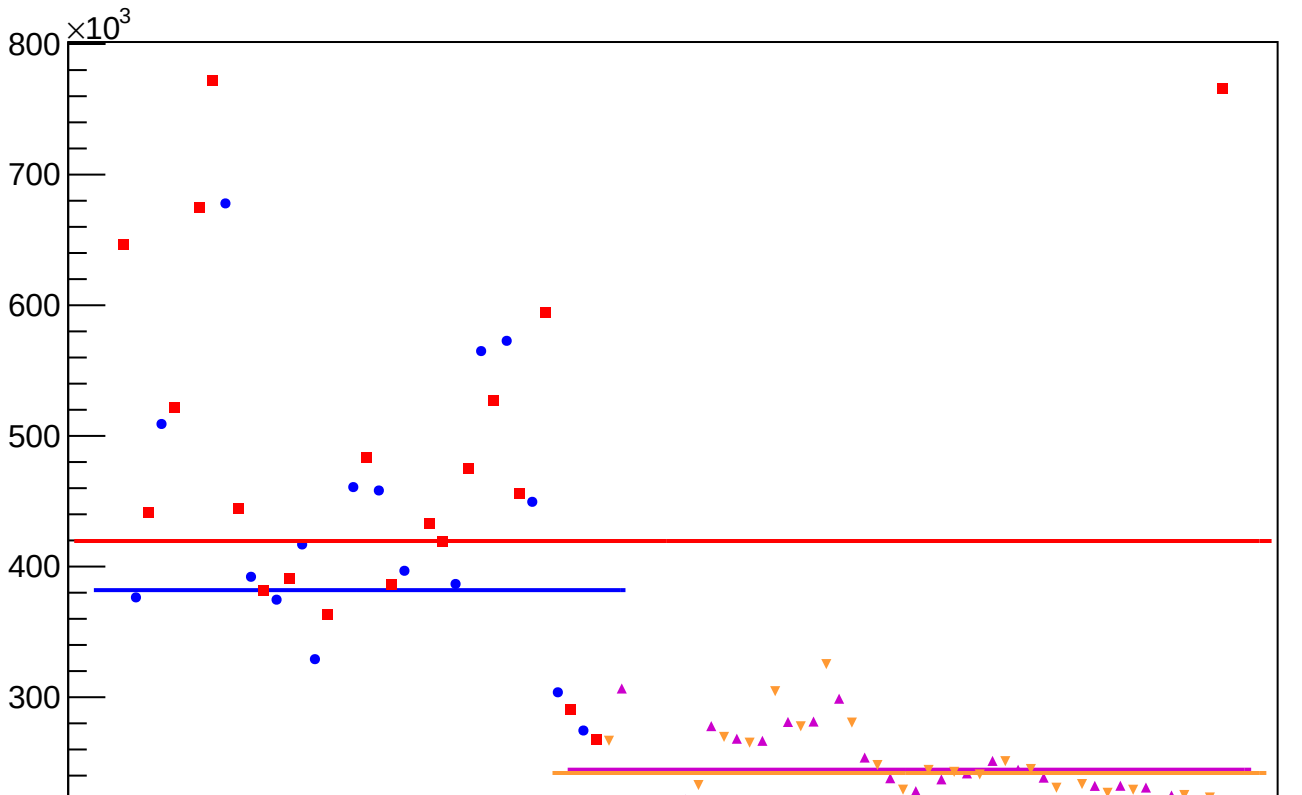
Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -259.809+/-51.871 χ^2/NDF: 82.5/40

All: -158.328+/-37.379 χ^2/NDF: 135.4/83

- sign -48.709+/-53.911 χ^2/NDF: 44.9/42

diff_cav4cX_rms vs Slug



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 419562.794+/-109.928 χ^2/NDF: 908583.3/19

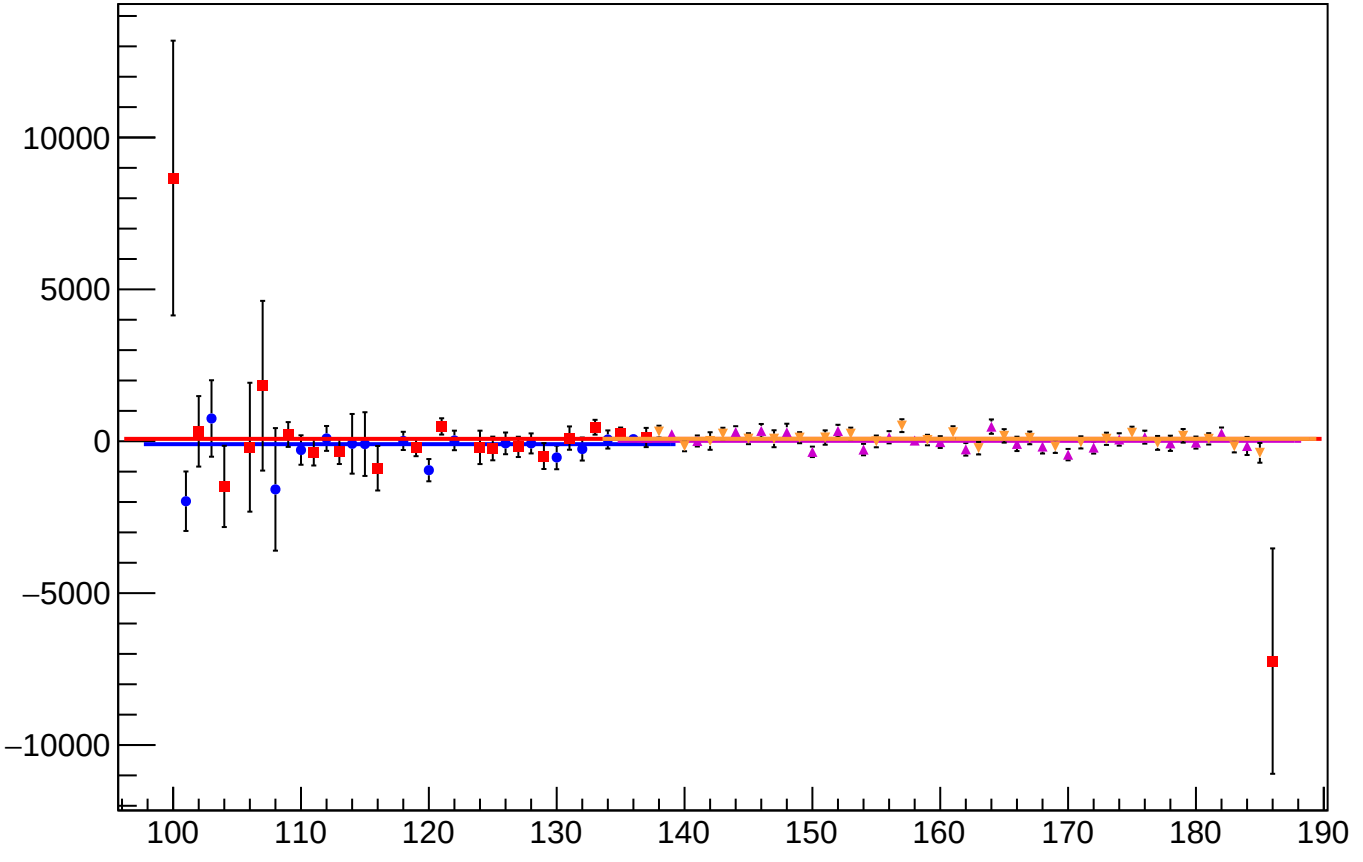
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 259342.393+/-36.679 χ^2/NDF: 2829486.8/40

All: 262347.421+/-26.432 χ^2/NDF: 6343556.

- sign 265593.920+/-38.124 χ^2/NDF: 3500106.0/42

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 78.697+/-87.292 χ^2/NDF: 23.0/19

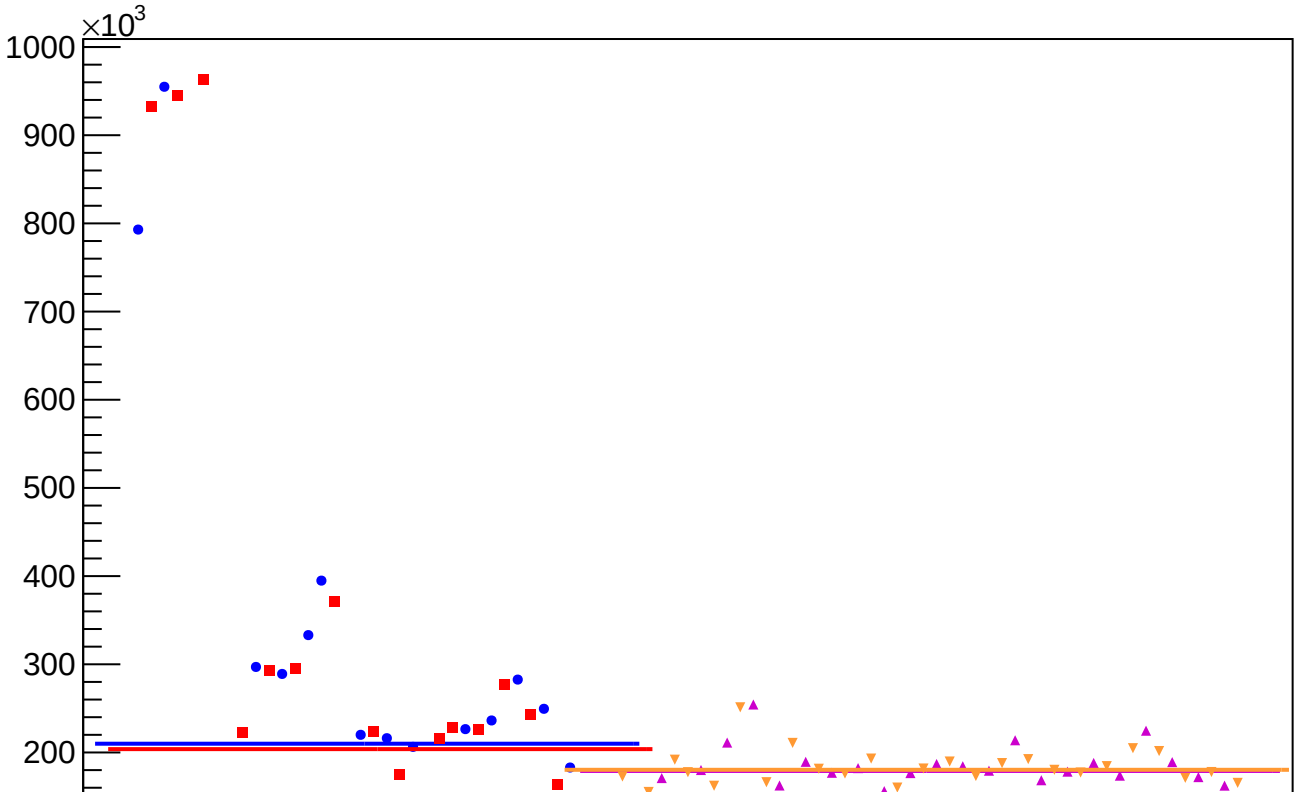
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 48.001+/-37.408 χ^2/NDF: 36.7/40

All: 37.324+/-26.664 χ^2/NDF: 93.4/83

- sign 26.297+/-38.017 χ^2/NDF: 56.6/42

diff_cav4cY_rms vs Slug



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

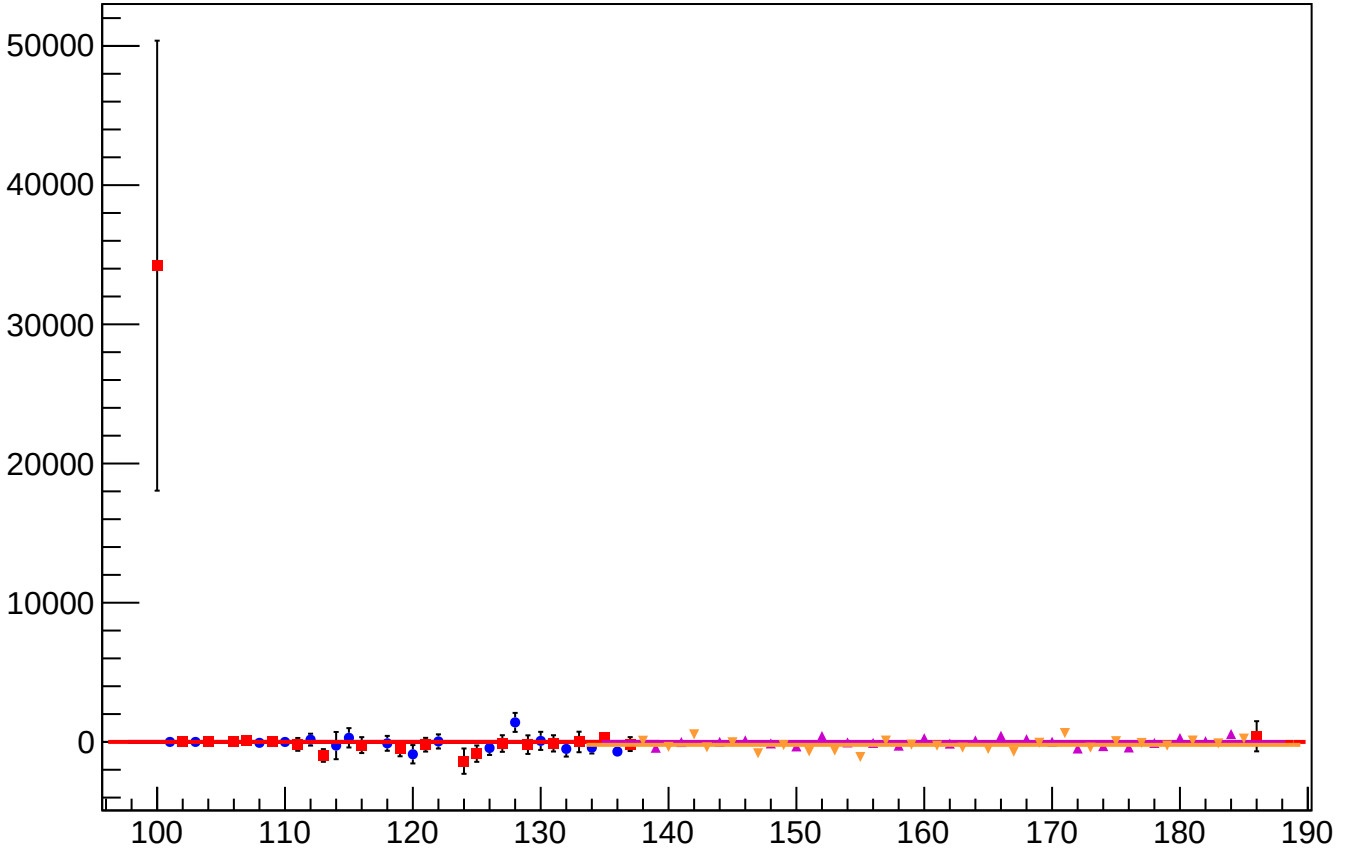
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 185641.805+/-26.460 χ^2/NDF: 2490315.4/39

All: 184687.517+/-18.862 χ^2/NDF: 5194744.

- 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: 18.1/15

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

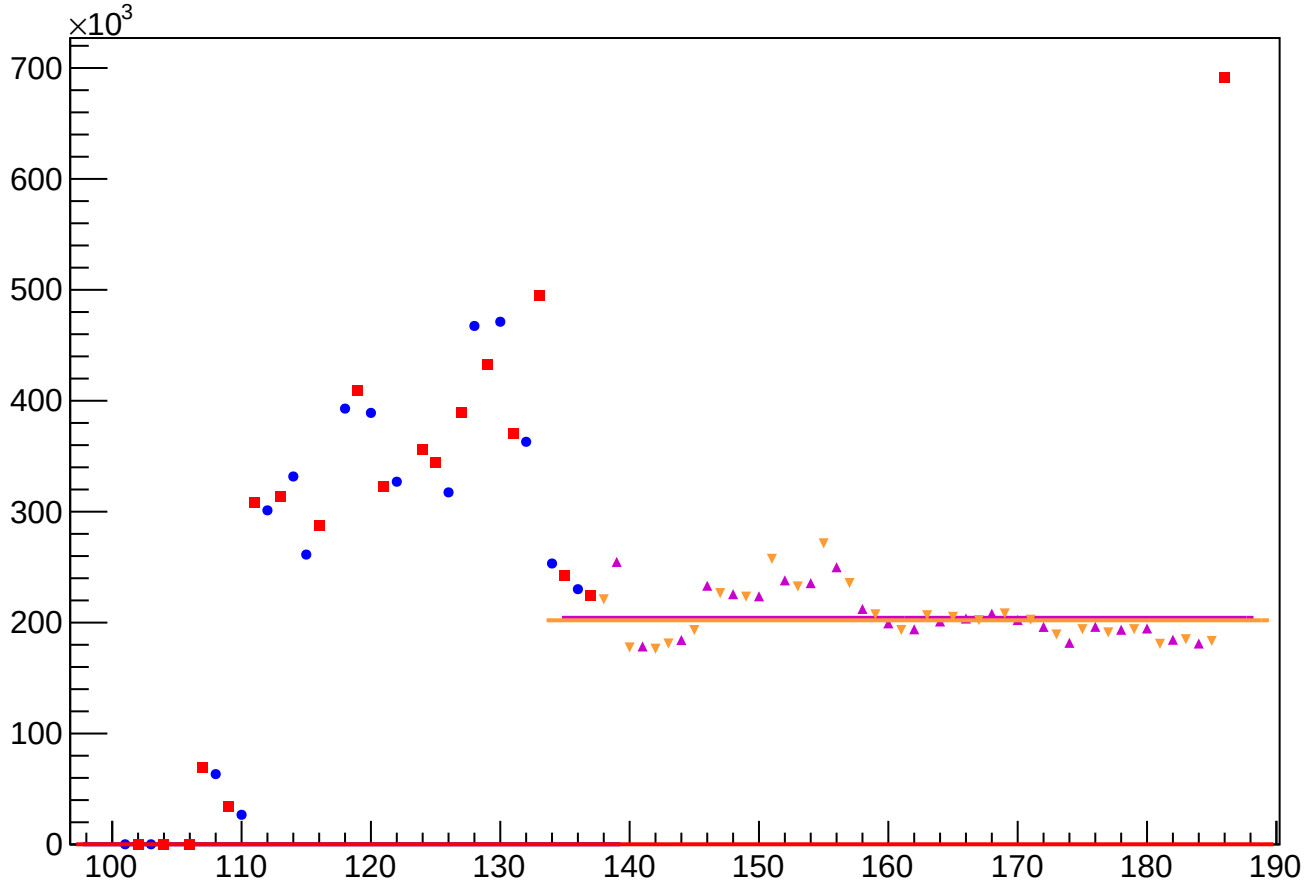
Right Out: -0.355+/-0.160 χ^2/NDF: 16.6/19

Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 99.9/40

All: -0.208+/-0.117 χ^2/NDF: 147.1/83

- sign -0.355+/-0.160 χ^2/NDF: 45.4/42



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.394+/-0.113 χ^2/NDF: 12104322.2/18

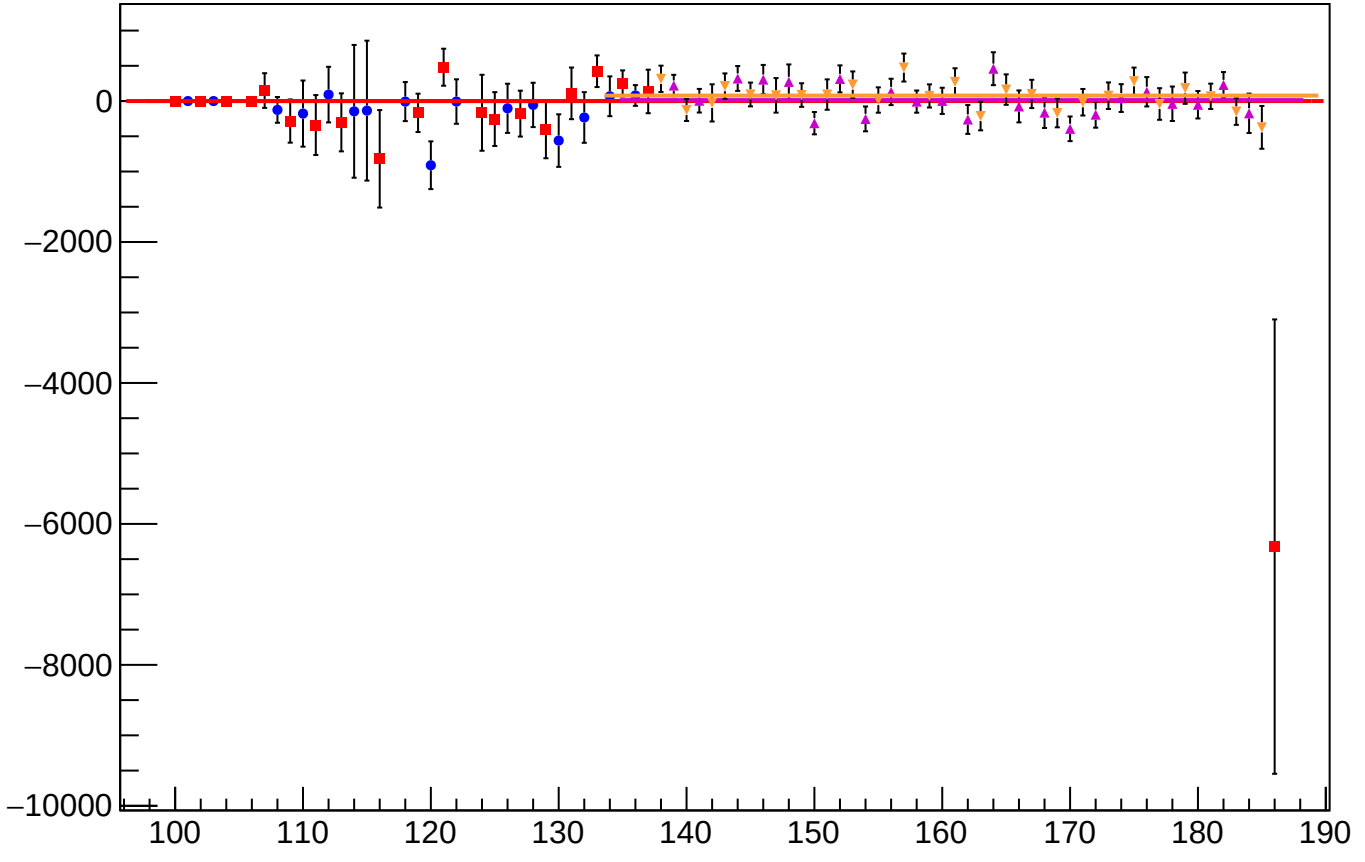
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 151.889+/-0.122 χ^2/NDF: 49797814.5/40

All: 151.767+/-0.083 χ^2/NDF: 98404914.8/82

- 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: 11.2/15

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: 0.126+/-0.166 χ^2/NDF: 19.1/19

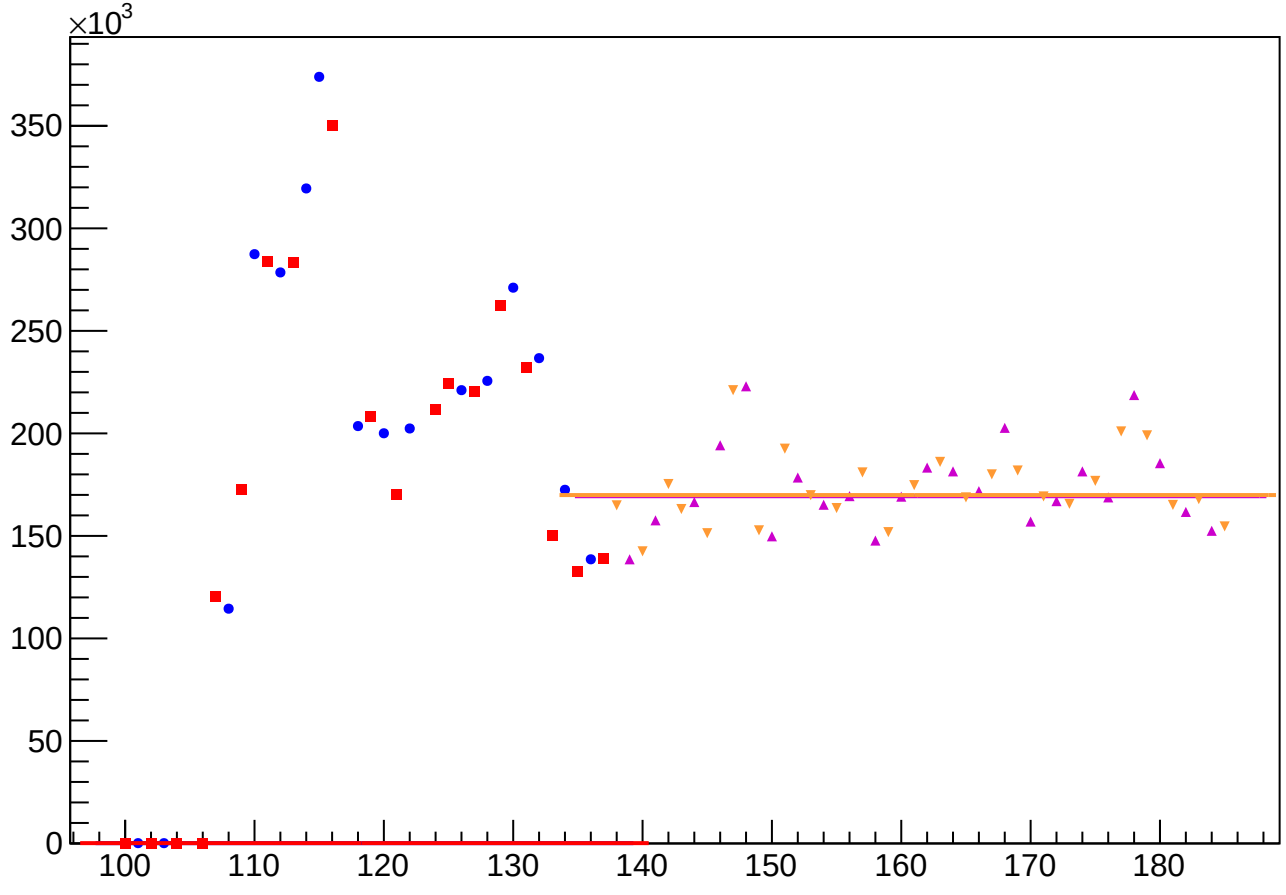
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.066+/-0.177 χ^2/NDF: 34.3/40

All: 0.036+/-0.121 χ^2/NDF: 86.8/83

- sign 0.126+/-0.166 χ^2/NDF: 51.9/42

diff_cav4dY_rms vs Slug



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

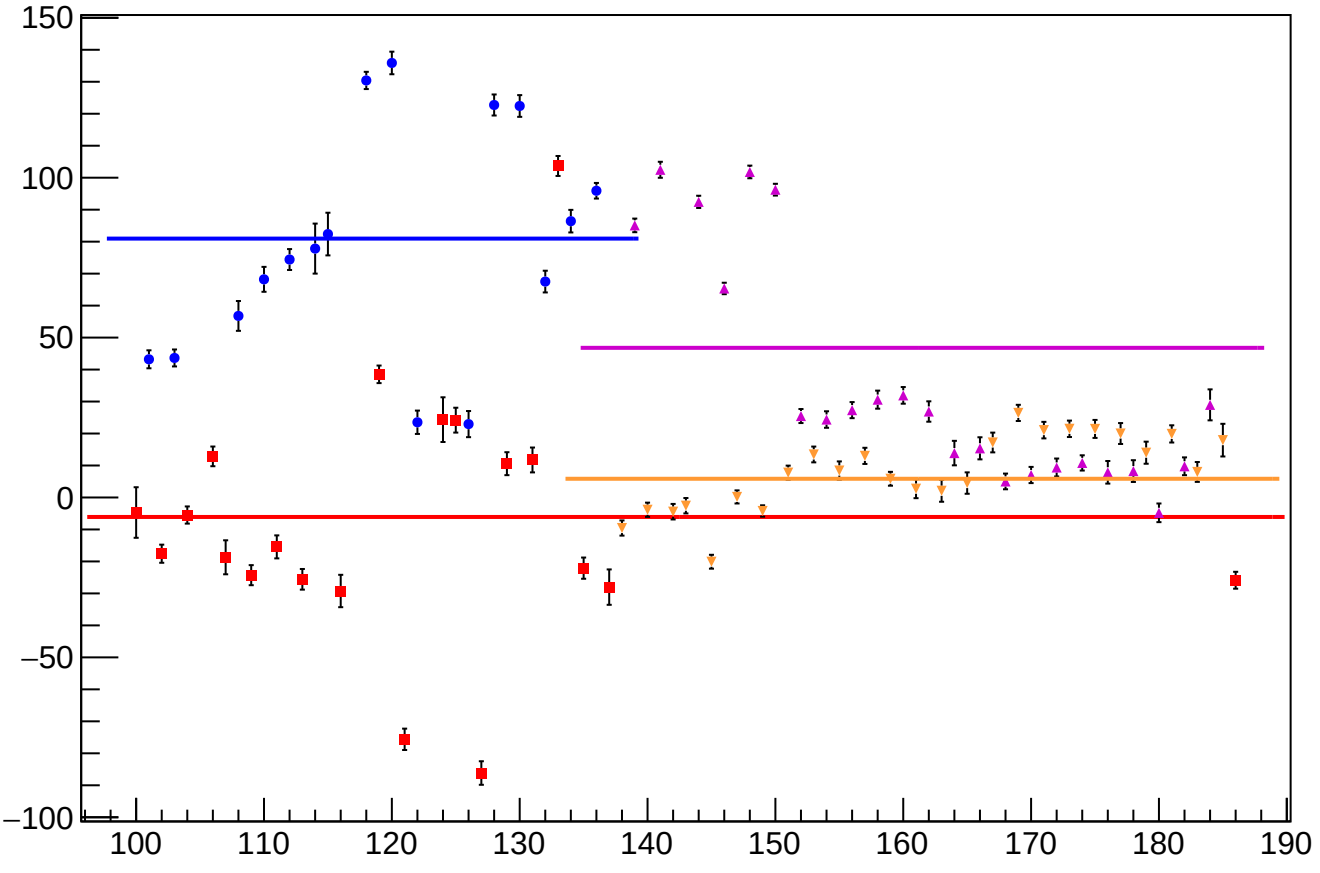
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 156.980+/-0.125 χ^2/NDF: 50317043.5/40

All: 158.106+/-0.086 χ^2/NDF: 98033095.1/82

- sign 159.099+/-0.118 χ^2/NDF: 47715899.7/41

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -6.092+/-0.783 χ^2/NDF: 2781.3/19

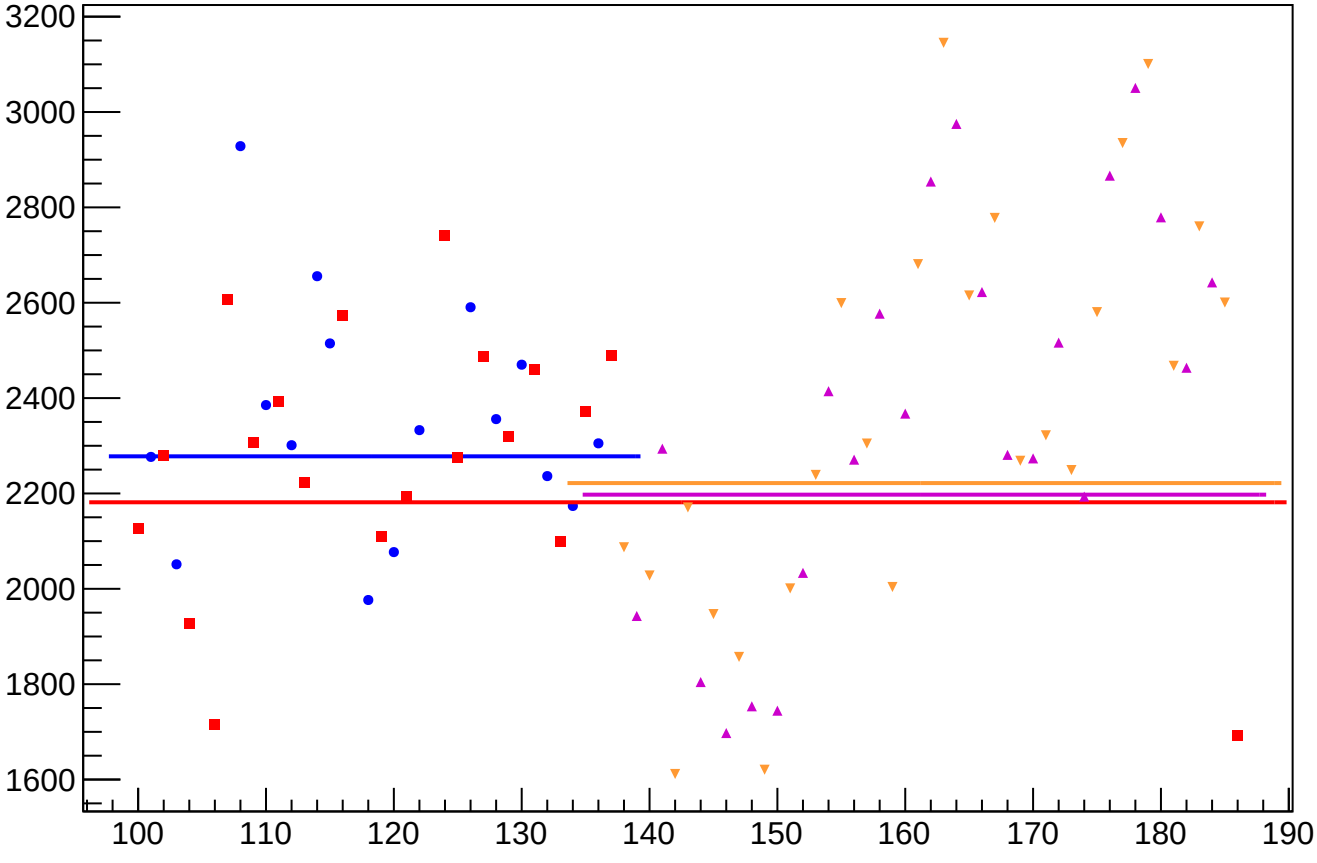
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

\+ sign 25.910+/-0.440 χ^2/NDF: 8051.5/40

All: 28.187+/-0.310 χ^2/NDF: 19209.6/83

\- sign 30.421+/-0.436 χ^2/NDF: 11105.0/42

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 2181.486+/-0.554 χ^2/NDF: 226434.1/19

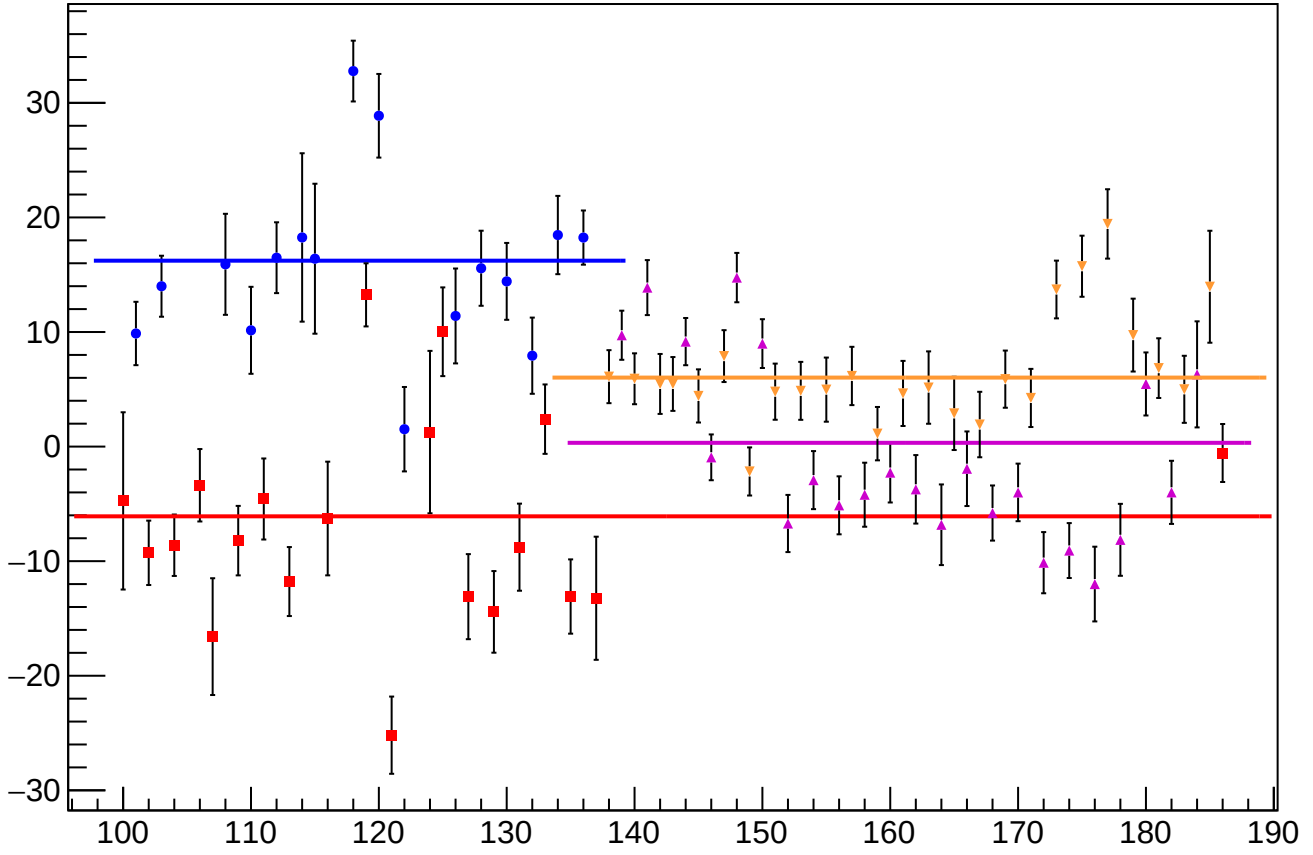
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2236.753+/-0.311 χ^2/NDF: 1306177.2/40

All: 2214.423+/-0.219 χ^2/NDF: 2648051.5/83

- sign 2192.522+/-0.308 χ^2/NDF: 1331672.7/42

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: -6.087+/-0.771 χ^2/NDF: 139.8/19

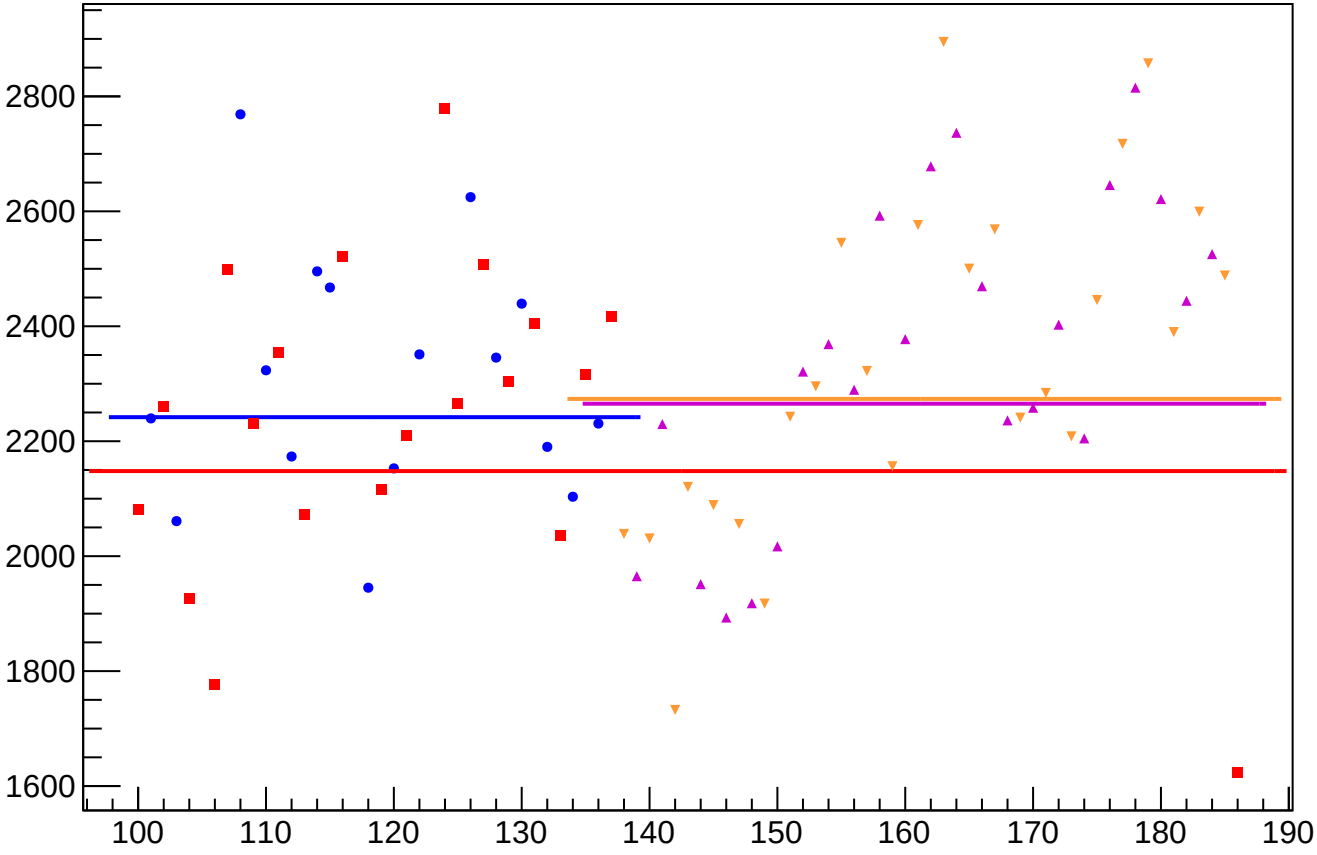
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 8.867+/-0.442 χ^2/NDF: 263.3/40

All: 3.520+/-0.312 χ^2/NDF: 965.2/83

- sign -1.755+/-0.439 χ^2/NDF: 411.5/42

diff_bpm0i01Y_rms vs Slug



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 2148.048+/-0.545 χ^2/NDF: 224744.7/19

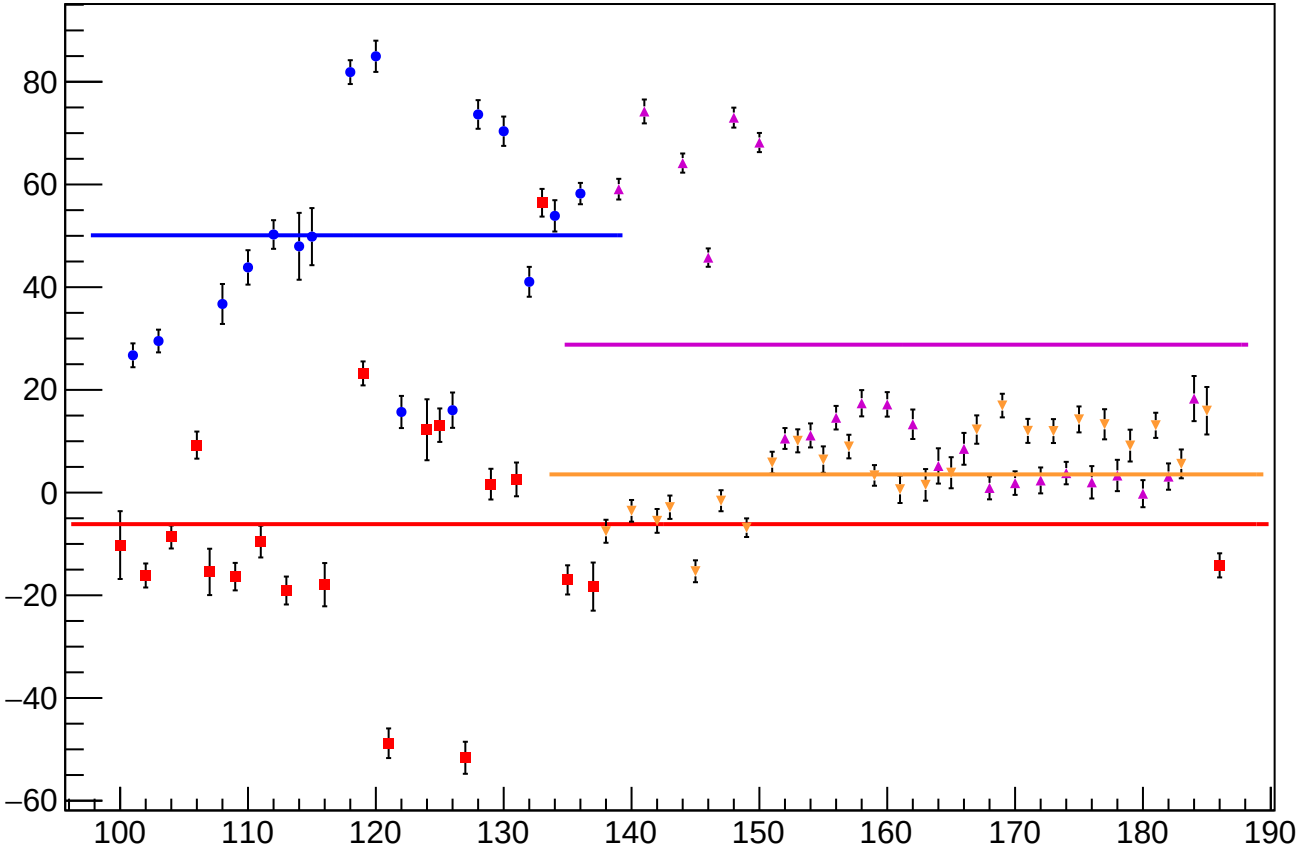
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2264.757+/-0.313 χ^2/NDF: 641173.0/40

All: 2245.846+/-0.220 χ^2/NDF: 1400220.4/83

- sign 2227.193+/-0.311 χ^2/NDF: 751785.1/42

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -6.145+/-0.666 χ^2/NDF: 1324.3/19

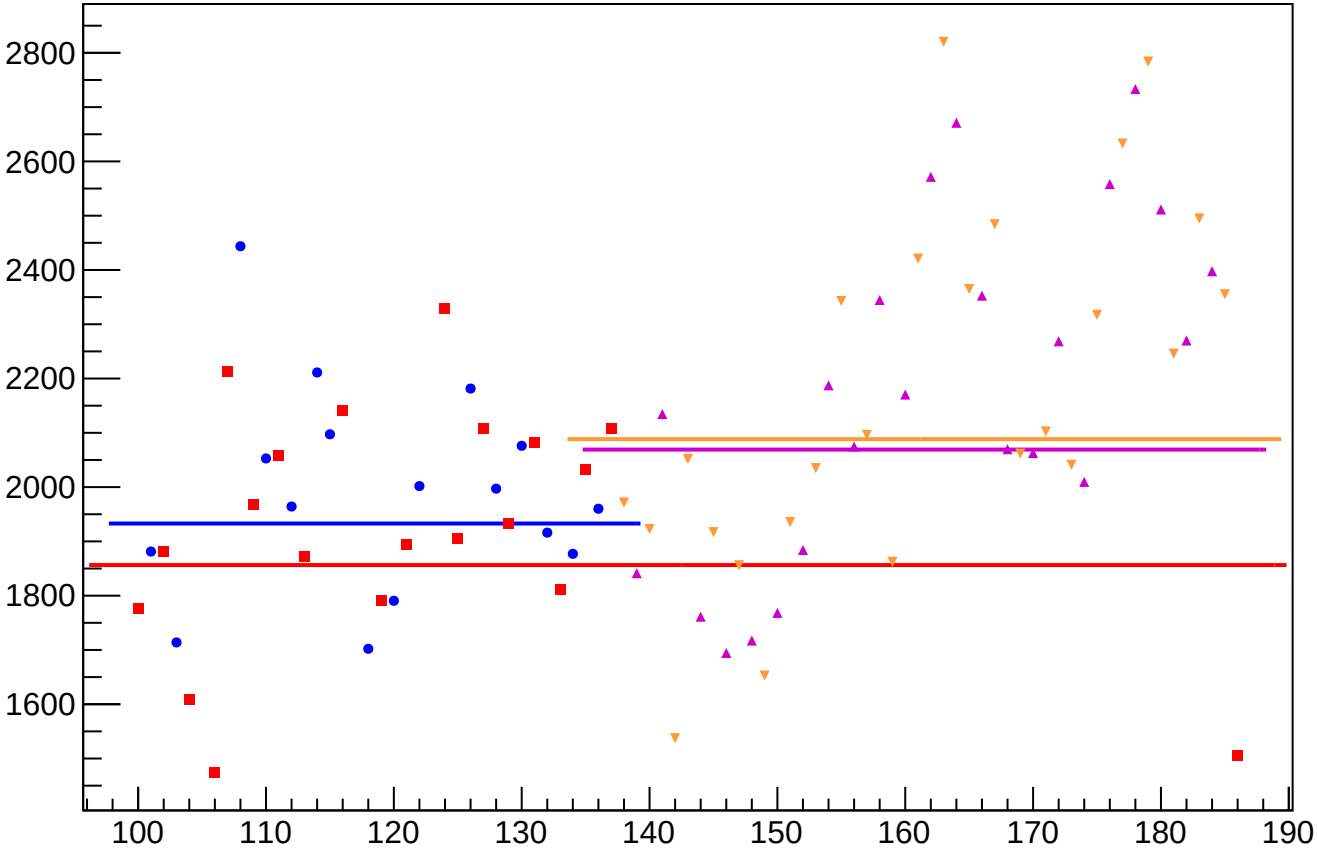
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

+ sign 17.823+/-0.400 χ^2/NDF: 4090.4/40

All: 17.152+/-0.281 χ^2/NDF: 10467.9/83

- sign 16.497+/-0.395 χ^2/NDF: 6372.0/42

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1856.409+/-0.471 χ^2/NDF: 198089.0/19

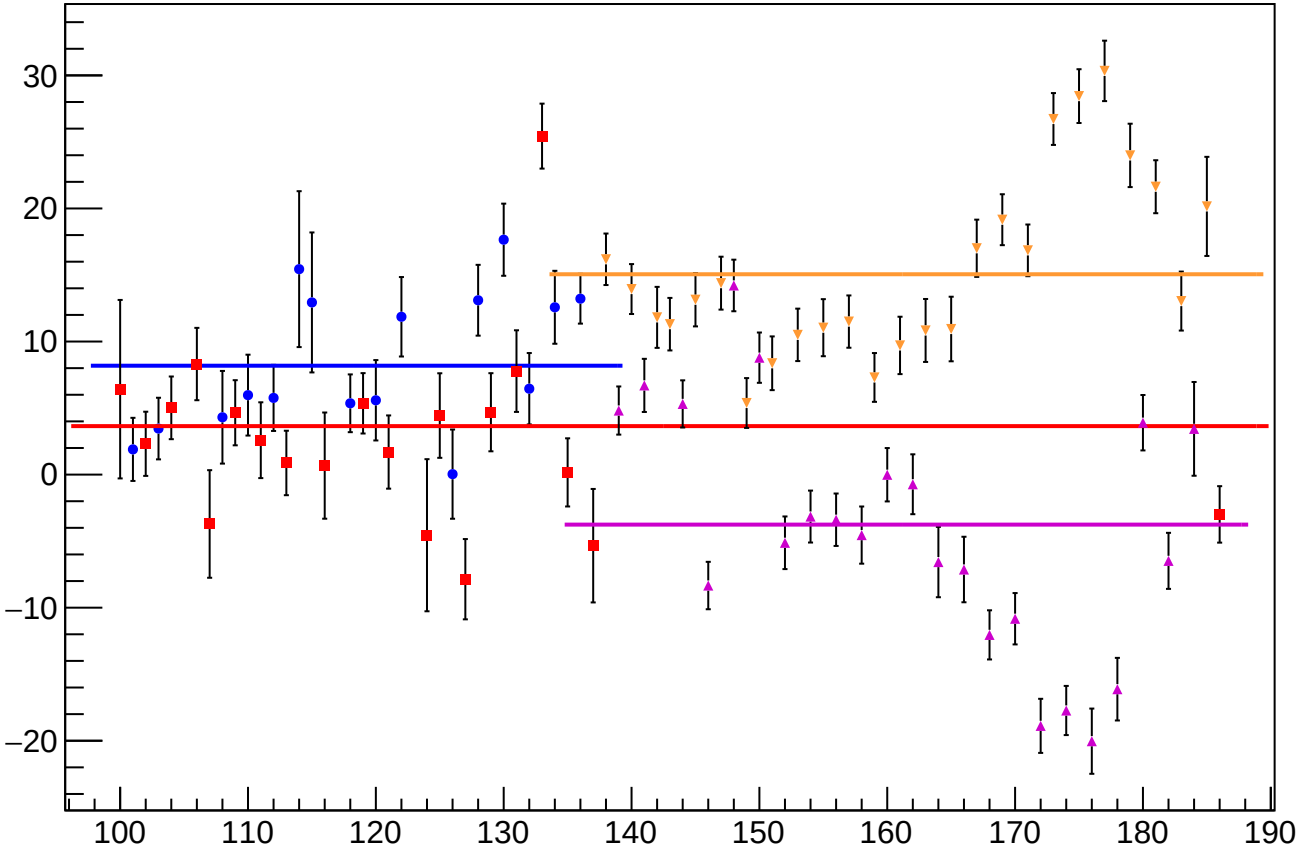
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 2040.680+/-0.283 χ^2/NDF: 957652.8/40

All: 2017.165+/-0.199 χ^2/NDF: 2013159.2/83

- sign 1994.213+/-0.279 χ^2/NDF: 1041841.6/42

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 3.644+/-0.635 χ^2/NDF: 124.7/19

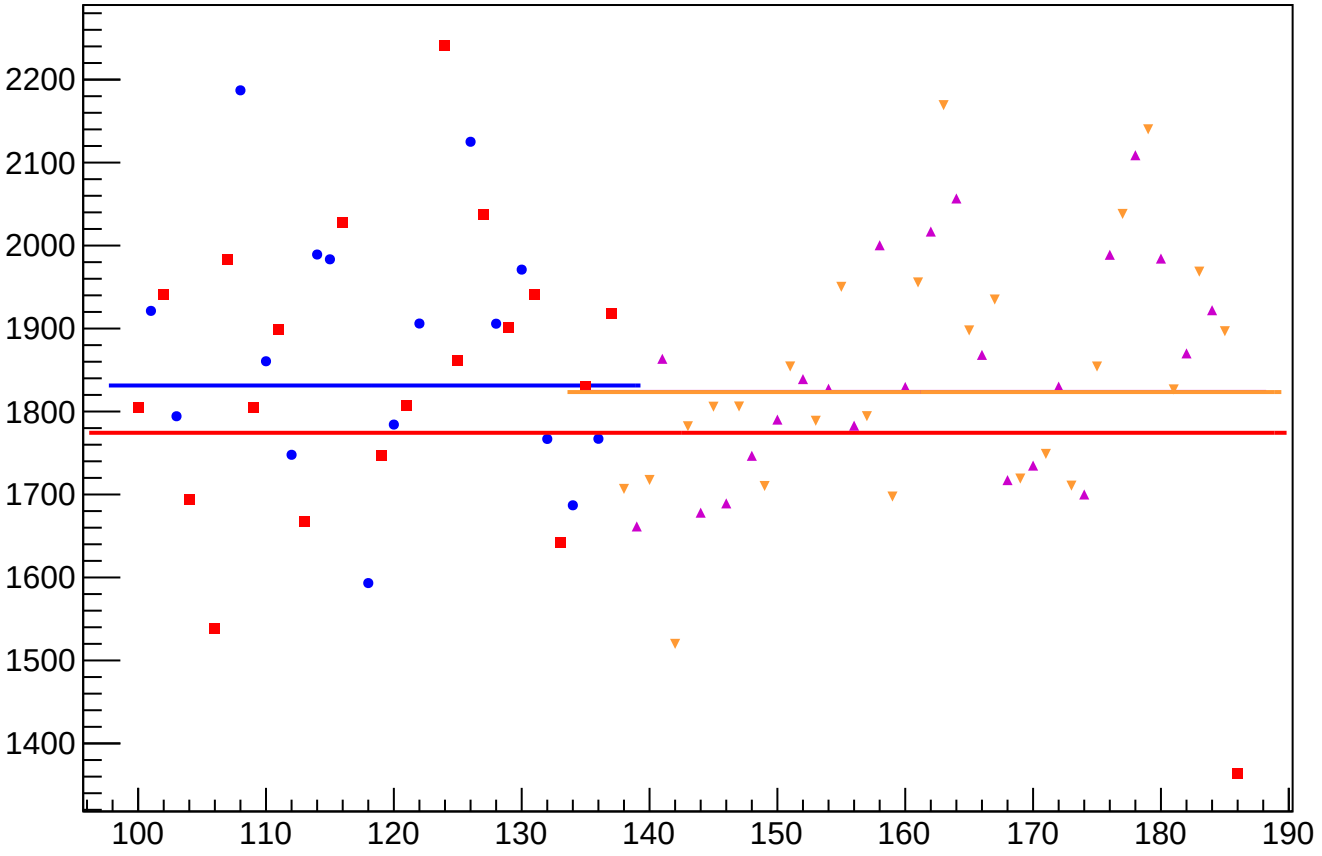
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 13.201+/-0.355 χ^2/NDF: 372.0/40

All: 5.869+/-0.251 χ^2/NDF: 1900.5/83

- sign -1.447+/-0.355 χ^2/NDF: 677.2/42

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1774.365+/-0.449 χ^2/NDF: 173060.7/19

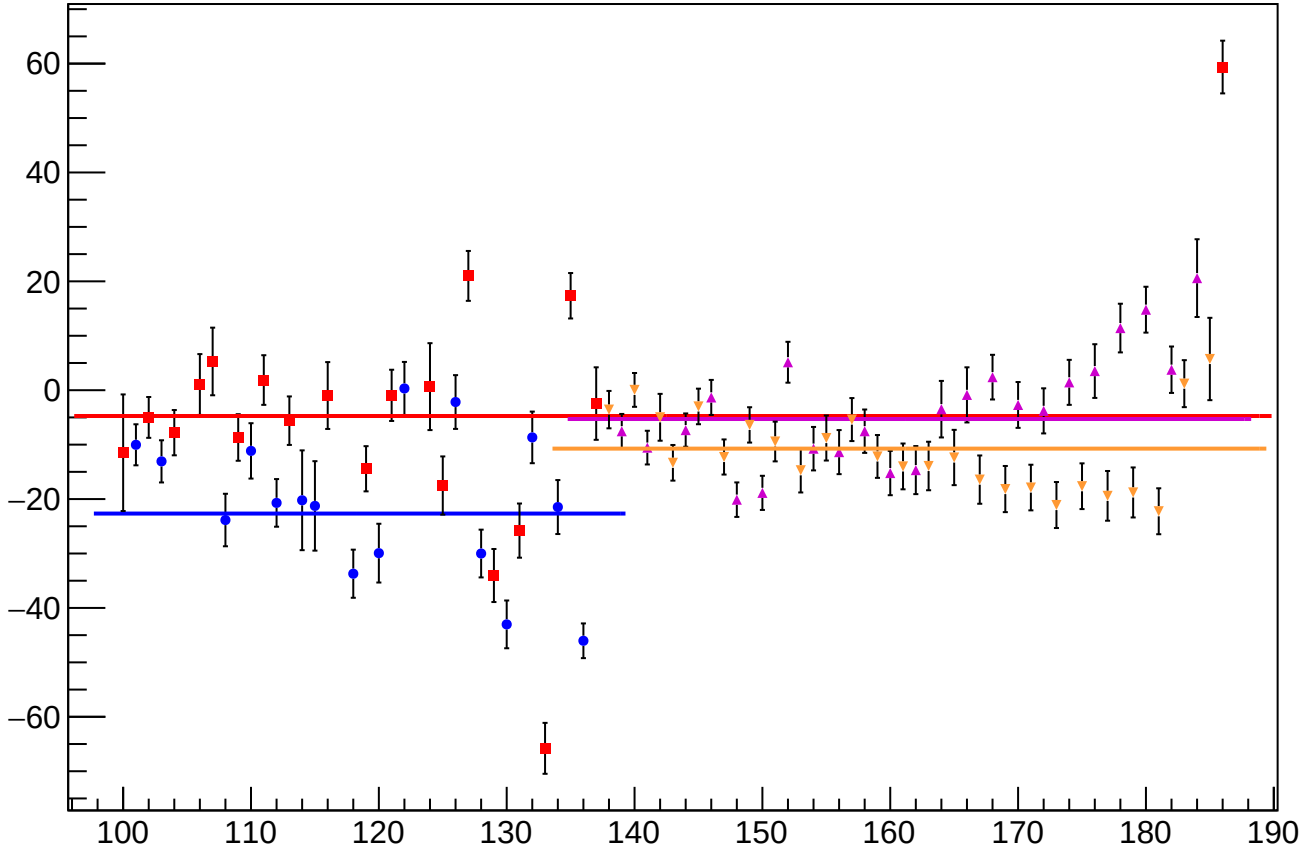
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1825.587+/-0.251 χ^2/NDF: 298388.6/40

All: 1816.907+/-0.177 χ^2/NDF: 645883.5/83

- sign 1808.245+/-0.251 χ^2/NDF: 345108.5/42

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -4.741+/-1.099 χ^2/NDF: 479.6/19

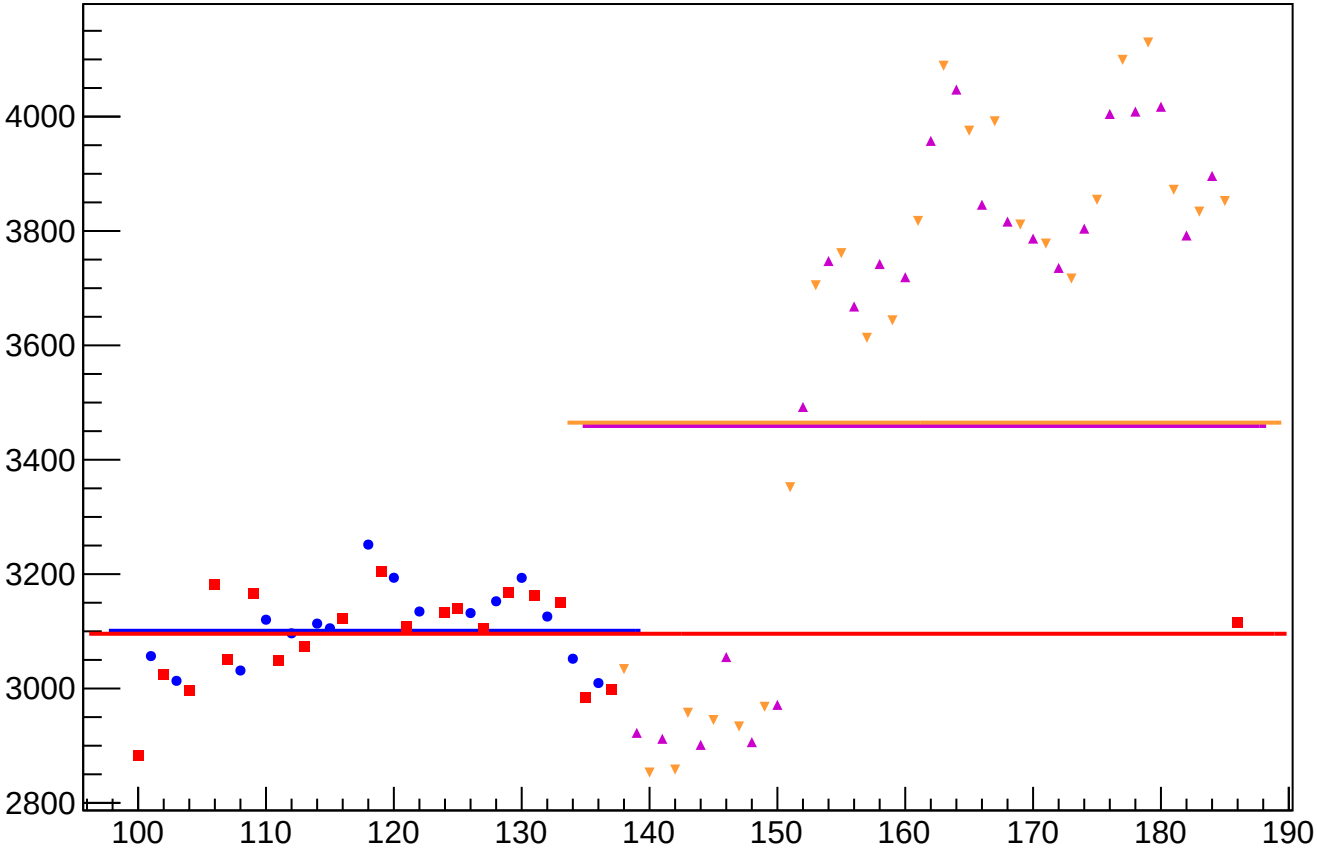
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -14.574+/-0.654 χ^2/NDF: 303.7/40

All: -9.840+/-0.462 χ^2/NDF: 1022.1/83

- sign -5.096+/-0.654 χ^2/NDF: 613.4/42

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3095.754+/-0.777 χ^2/NDF: 8619.1/19

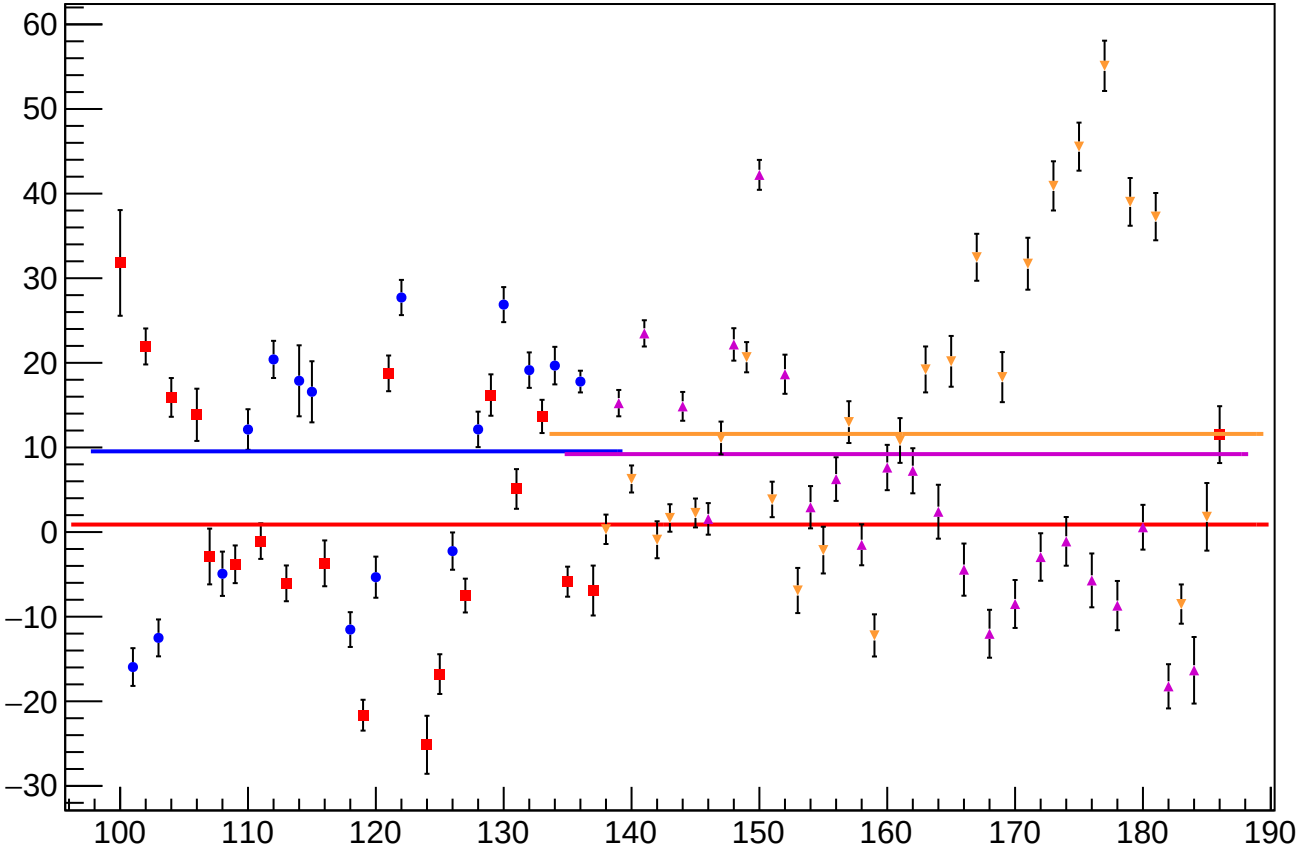
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3347.717+/-0.462 χ^2/NDF: 787292.6/40

All: 3339.037+/-0.327 χ^2/NDF: 1520963.1/83

- sign 3330.338+/-0.463 χ^2/NDF: 732964.5/42

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 0.888+/-0.527 χ^2/NDF: 676.1/19

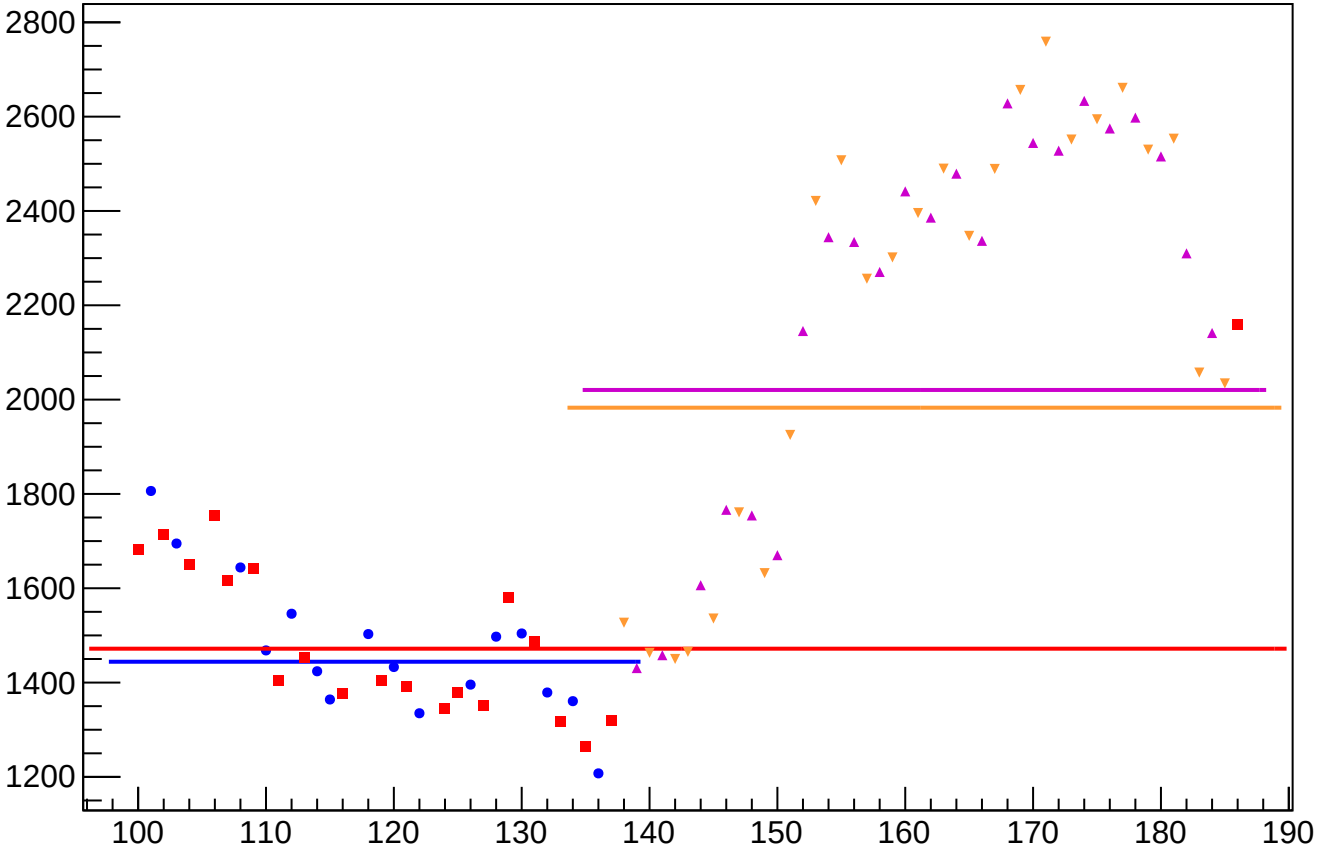
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

+ sign 10.728+/-0.352 χ^2/NDF: 1904.0/40

All: 8.103+/-0.251 χ^2/NDF: 3768.7/83

- sign 5.409+/-0.357 χ^2/NDF: 1752.0/42

diff_bpm0l01Y_rms vs Slug



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1471.861+/-0.373 χ^2/NDF: 228788.8/19

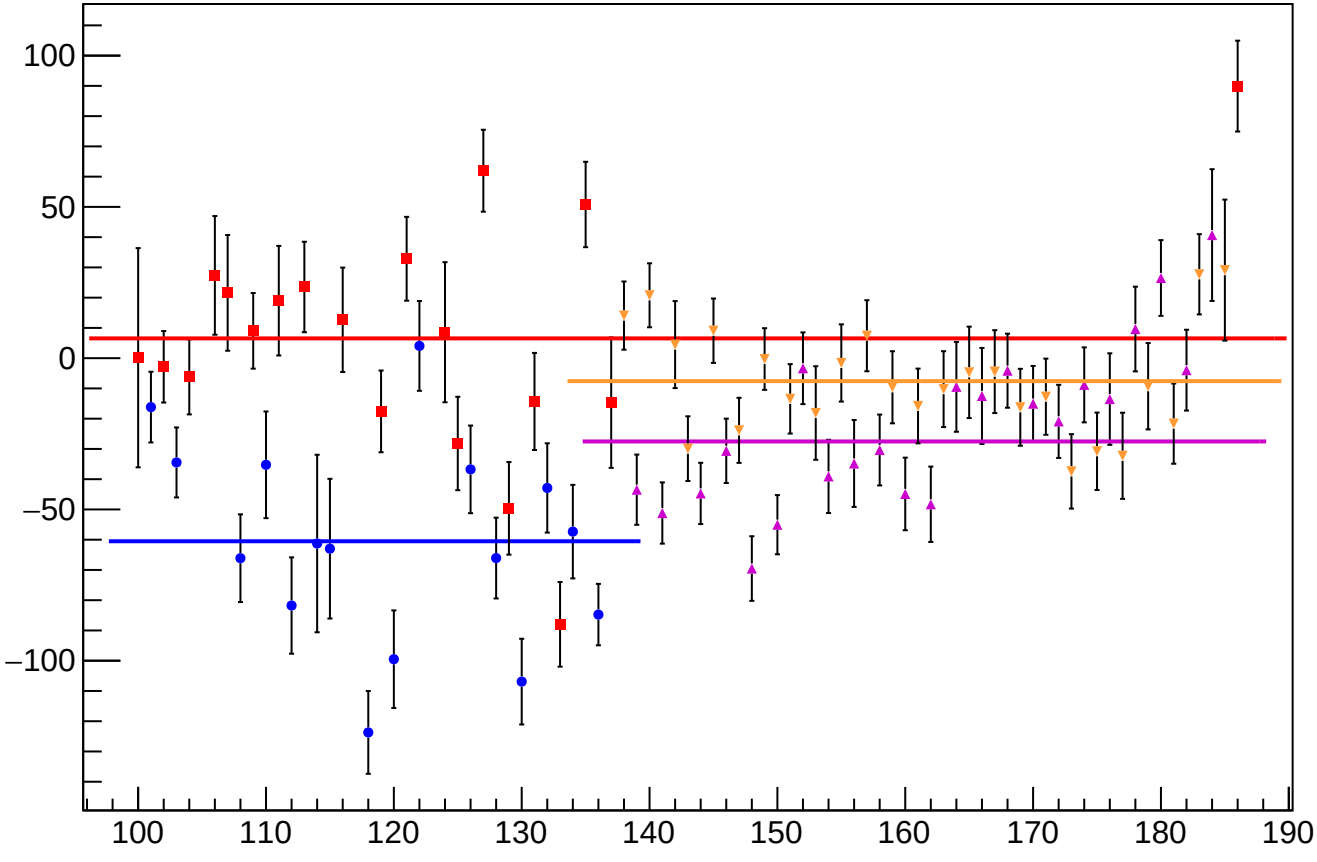
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1755.039+/-0.249 χ^2/NDF: 3300793.0/40

All: 1762.332+/-0.177 χ^2/NDF: 6320958.4/83

- sign 1769.813+/-0.252 χ^2/NDF: 3018426.5/42

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 6.537+/-3.448 χ^2/NDF: 136.4/19

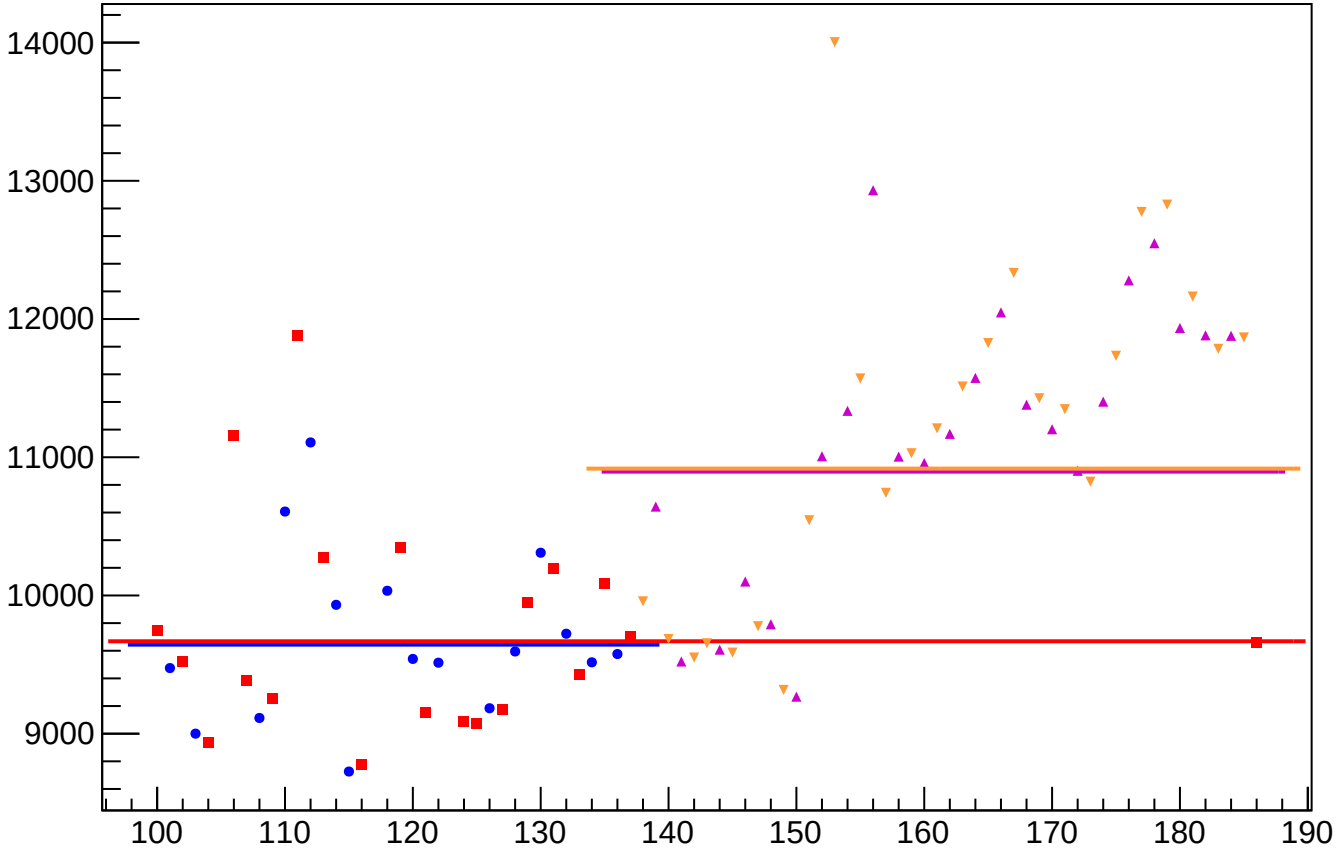
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -24.791+/-2.050 χ^2/NDF: 284.4/40

All: -20.126+/-1.451 χ^2/NDF: 587.2/83

- sign -15.445+/-2.054 χ^2/NDF: 292.4/42

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9668.542+/-2.438 χ^2/NDF: 79879.2/19

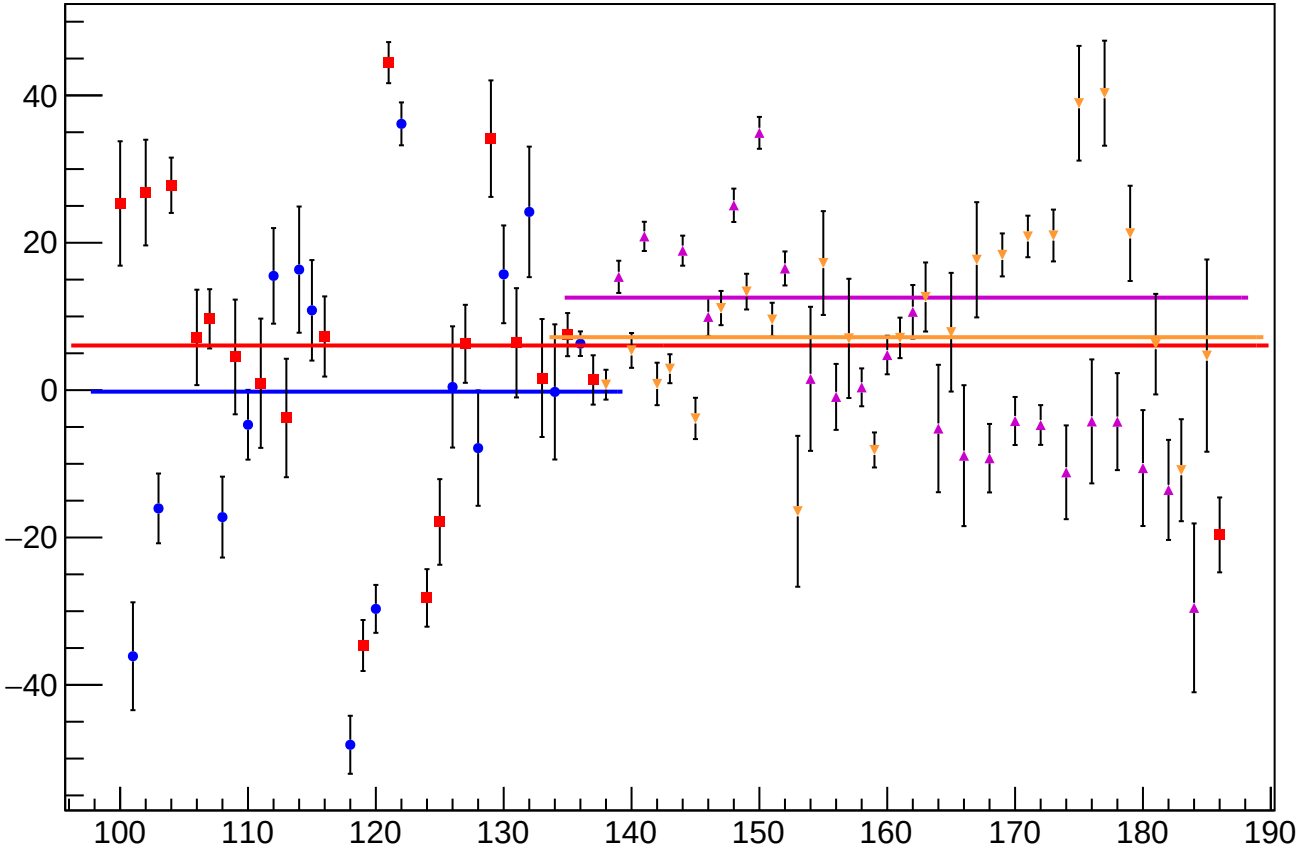
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10503.963+/-1.450 χ^2/NDF: 639199.2/40

All: 10482.324+/-1.026 χ^2/NDF: 1181123.9/8

- sign 10460.607+/-1.452 χ^2/NDF: 541478.2/42

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

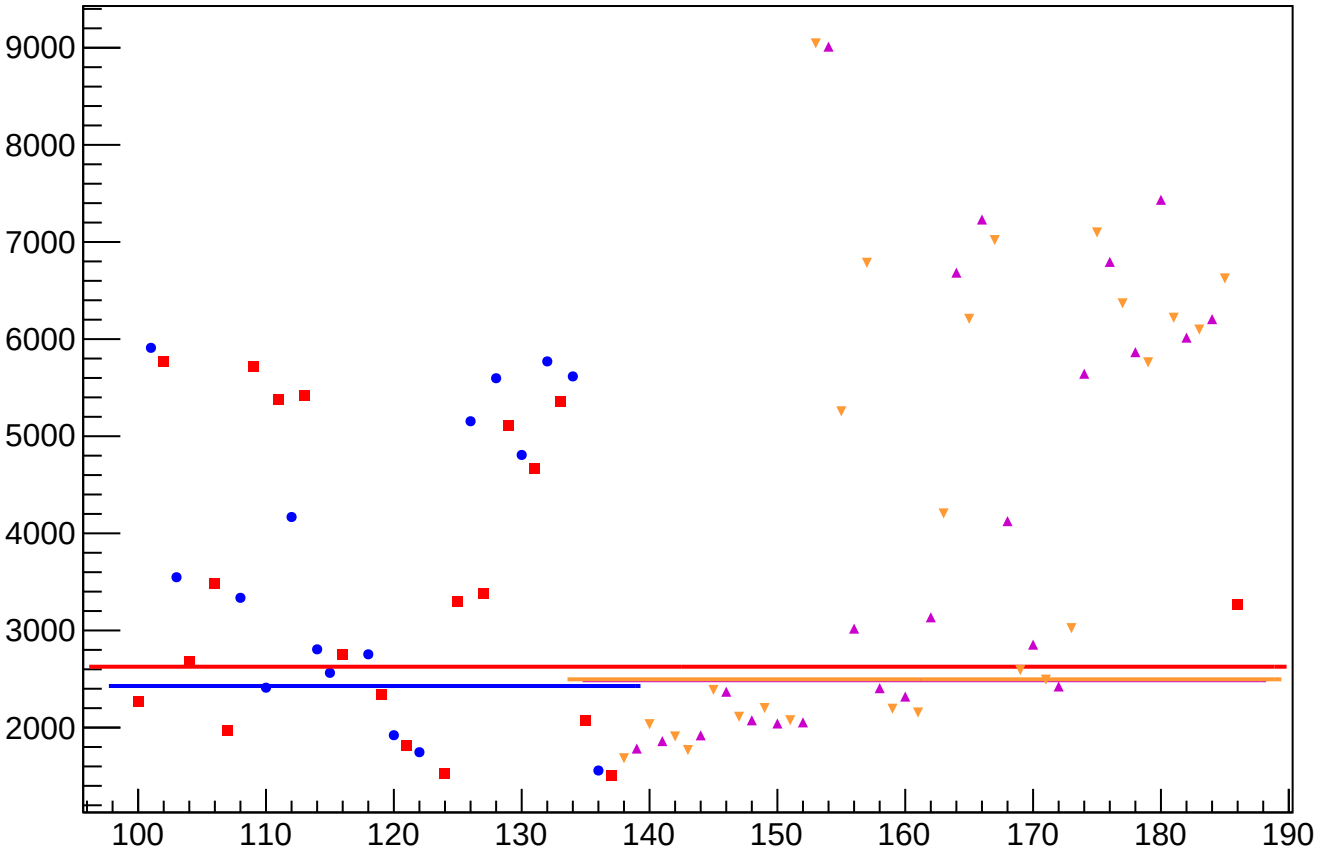
Right Out: 6.059+/-1.050 χ^2/NDF: 512.4/19

Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 5.108+/-0.554 χ^2/NDF: 711.4/40

All: 7.885+/-0.394 χ^2/NDF: 1673.9/83

- sign 10.713+/-0.559 χ^2/NDF: 911.8/42



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

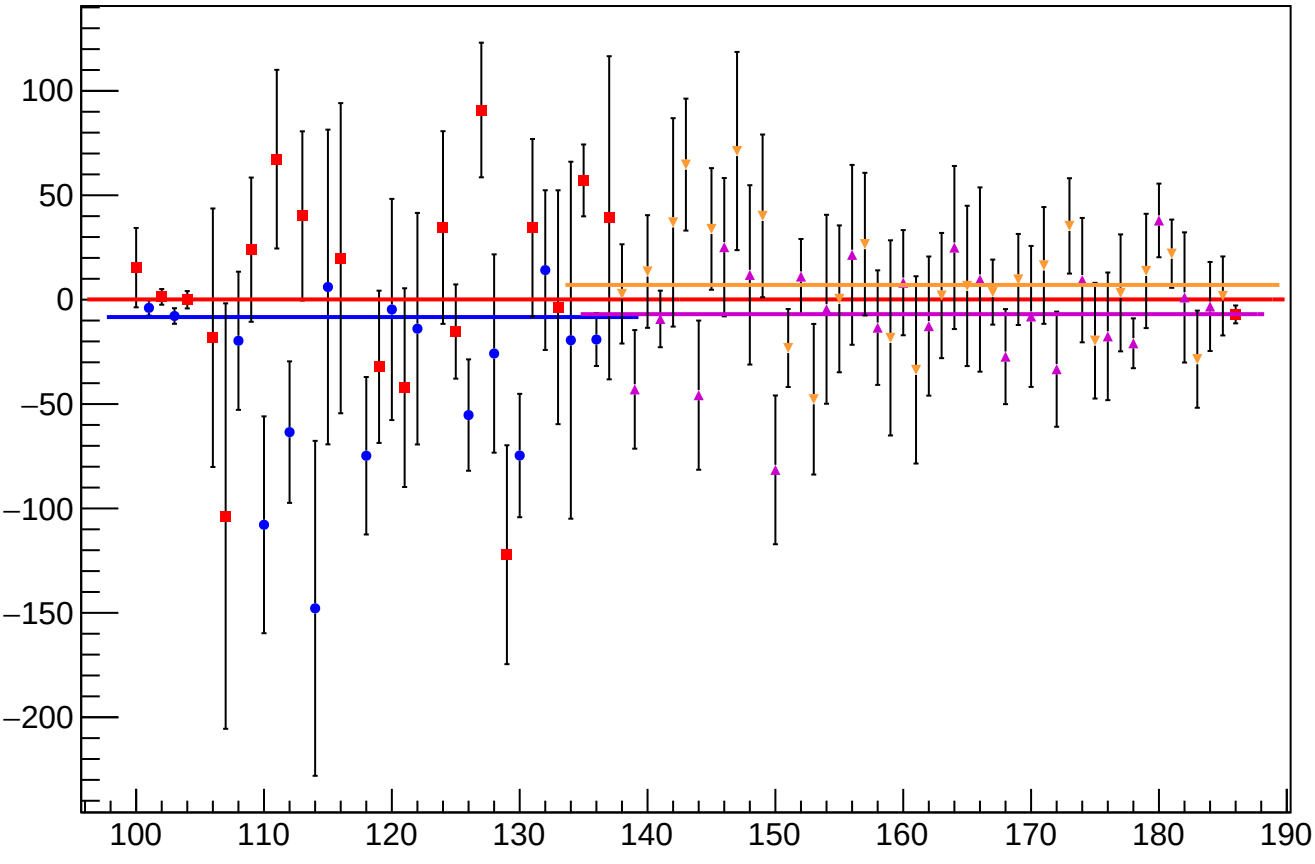
Right Out: 2626.765+/-0.743 χ^2/NDF: 2547798.5/19

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2477.485+/-0.392 χ^2/NDF: 10027377.0/40

All: 2502.082+/-0.278 χ^2/NDF: 18711703.9/8

- sign 2527.120+/-0.395 χ^2/NDF: 8676377.3/42



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

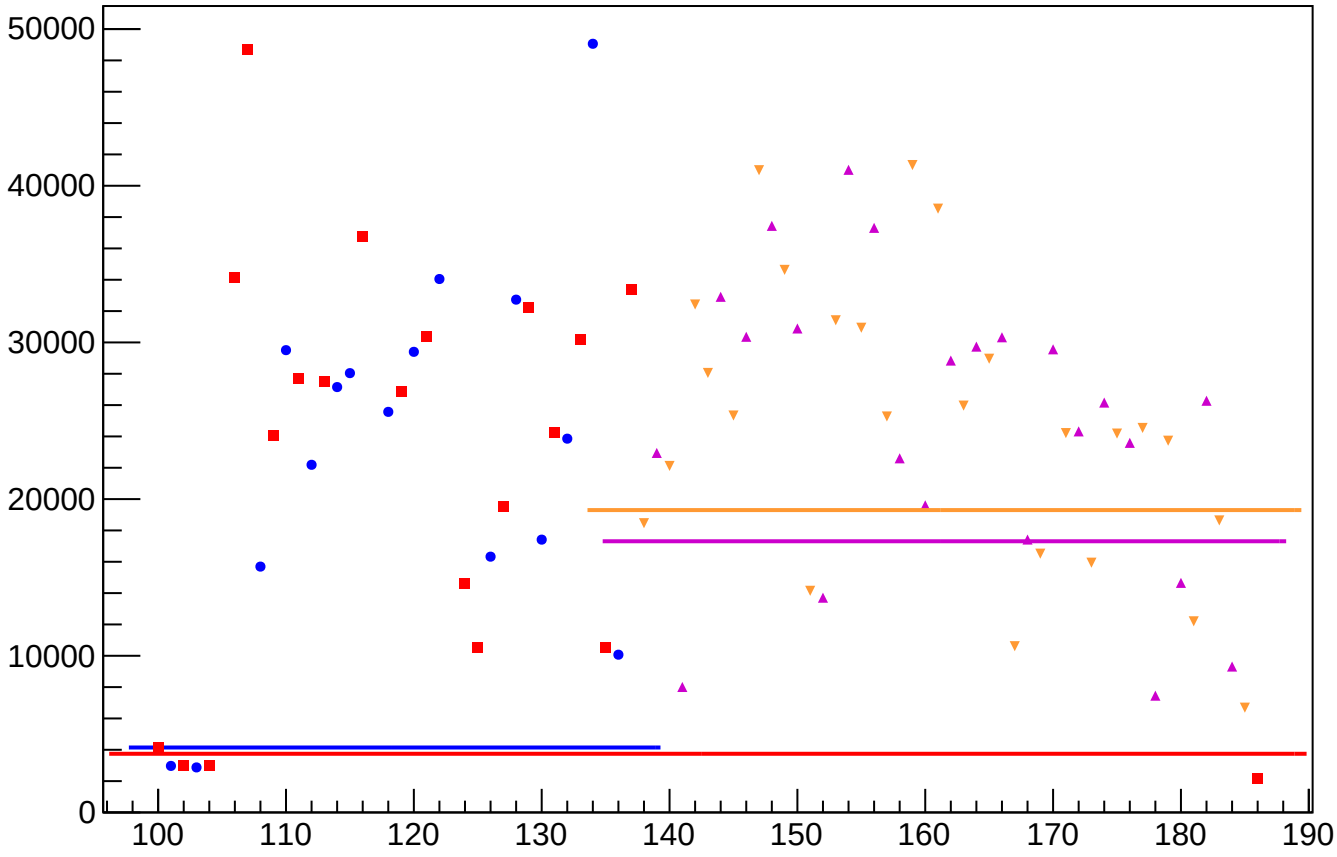
Right Out: 0.121+/-2.247 χ^2/NDF: 36.5/19

Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign -5.469+/-2.255 χ^2/NDF: 50.0/40

All: -3.045+/-1.519 χ^2/NDF: 111.4/83

- sign -1.031+/-2.056 χ^2/NDF: 59.2/42



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

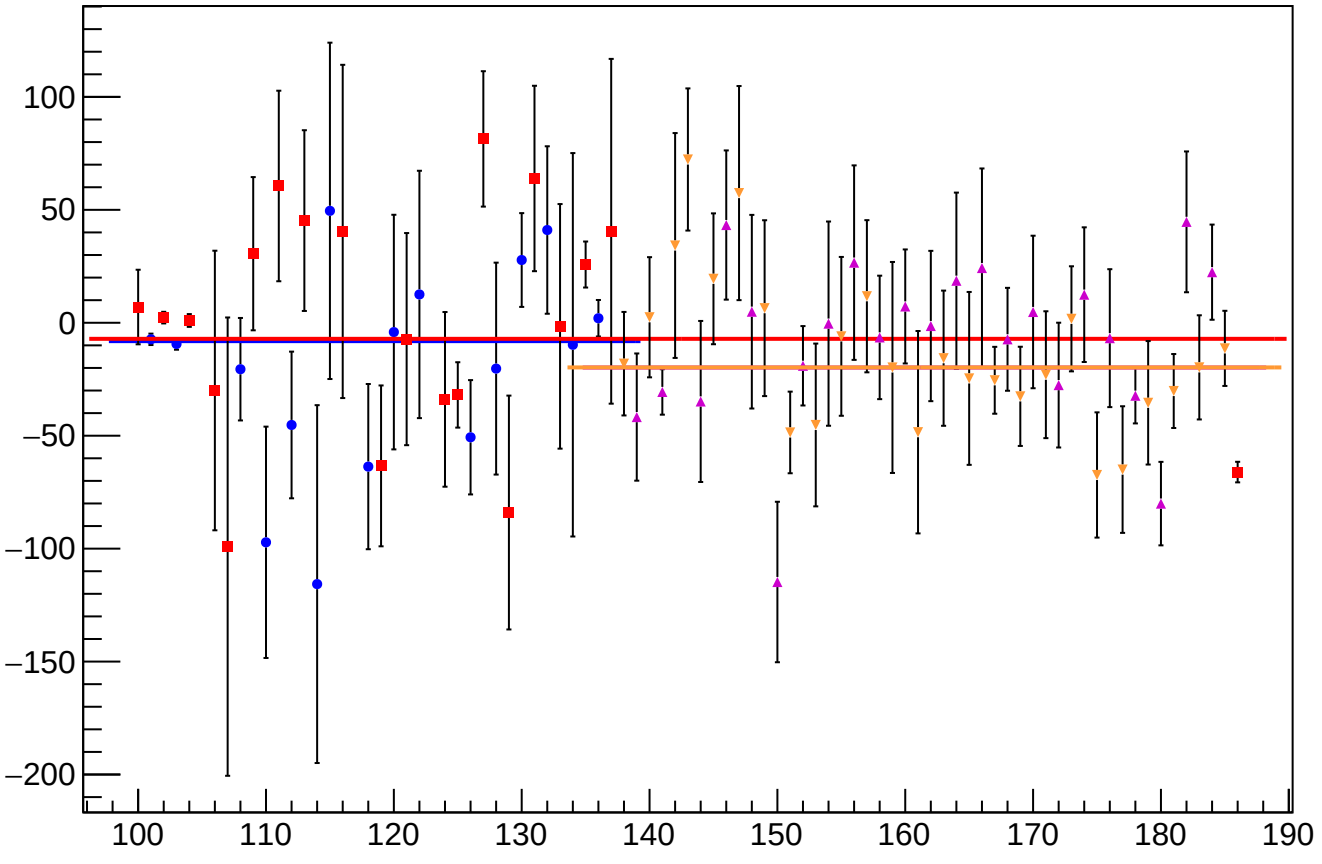
Right Out: 3745.131+/-1.589 χ^2/NDF: 8011851.8/19

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 6965.341+/-1.594 χ^2/NDF: 25553199.5/40

All: 6414.695+/-1.074 χ^2/NDF: 52387656.6/8

- sign 5957.055+/-1.454 χ^2/NDF: 26616066.0/42



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

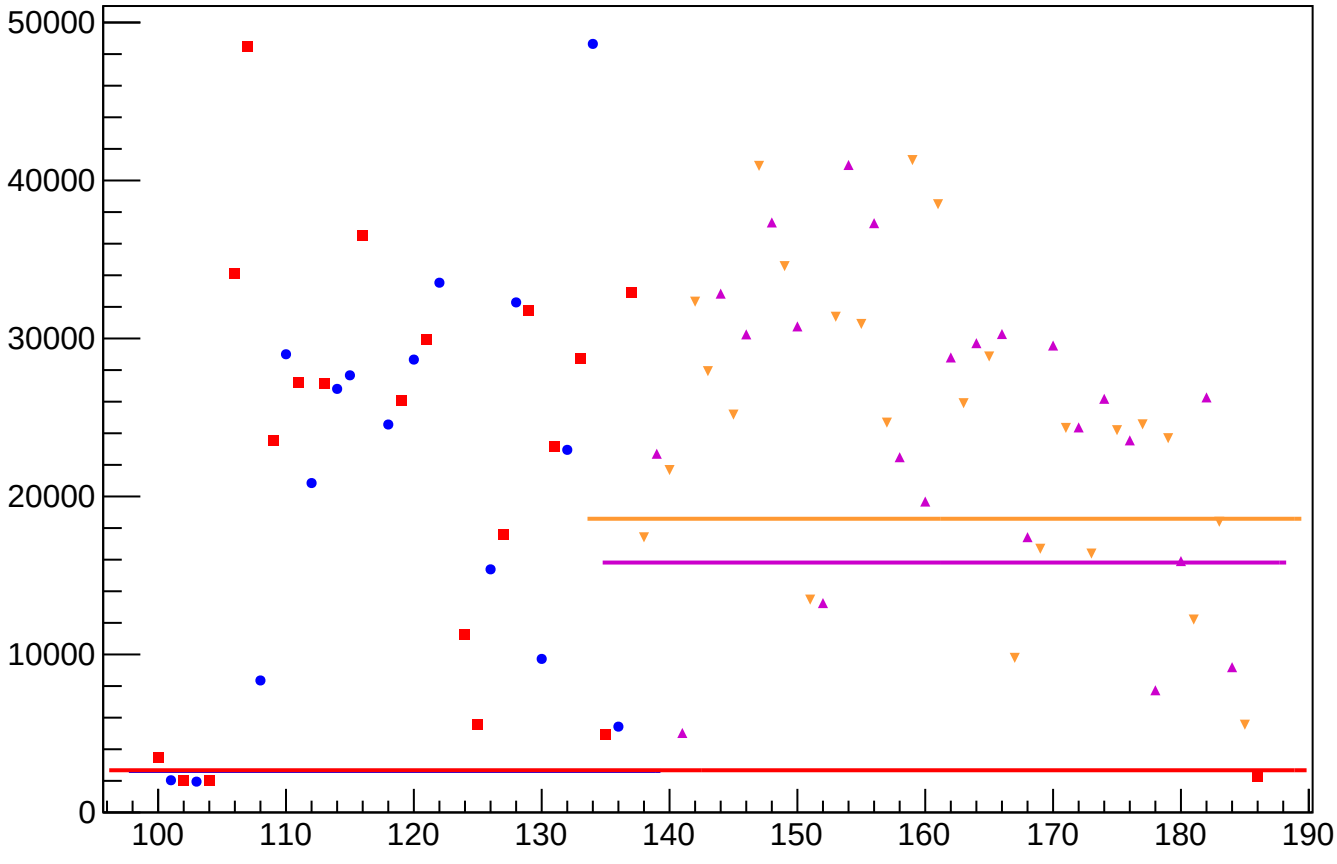
Right Out: -7.111+/-1.691 χ^2/NDF: 227.6/19

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -9.314+/-1.631 χ^2/NDF: 51.5/40

All: -8.894+/-1.141 χ^2/NDF: 325.7/83

- sign -8.492+/-1.597 χ^2/NDF: 274.1/42



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2670.745+/-1.196 χ^2/NDF: 8001452.5/19

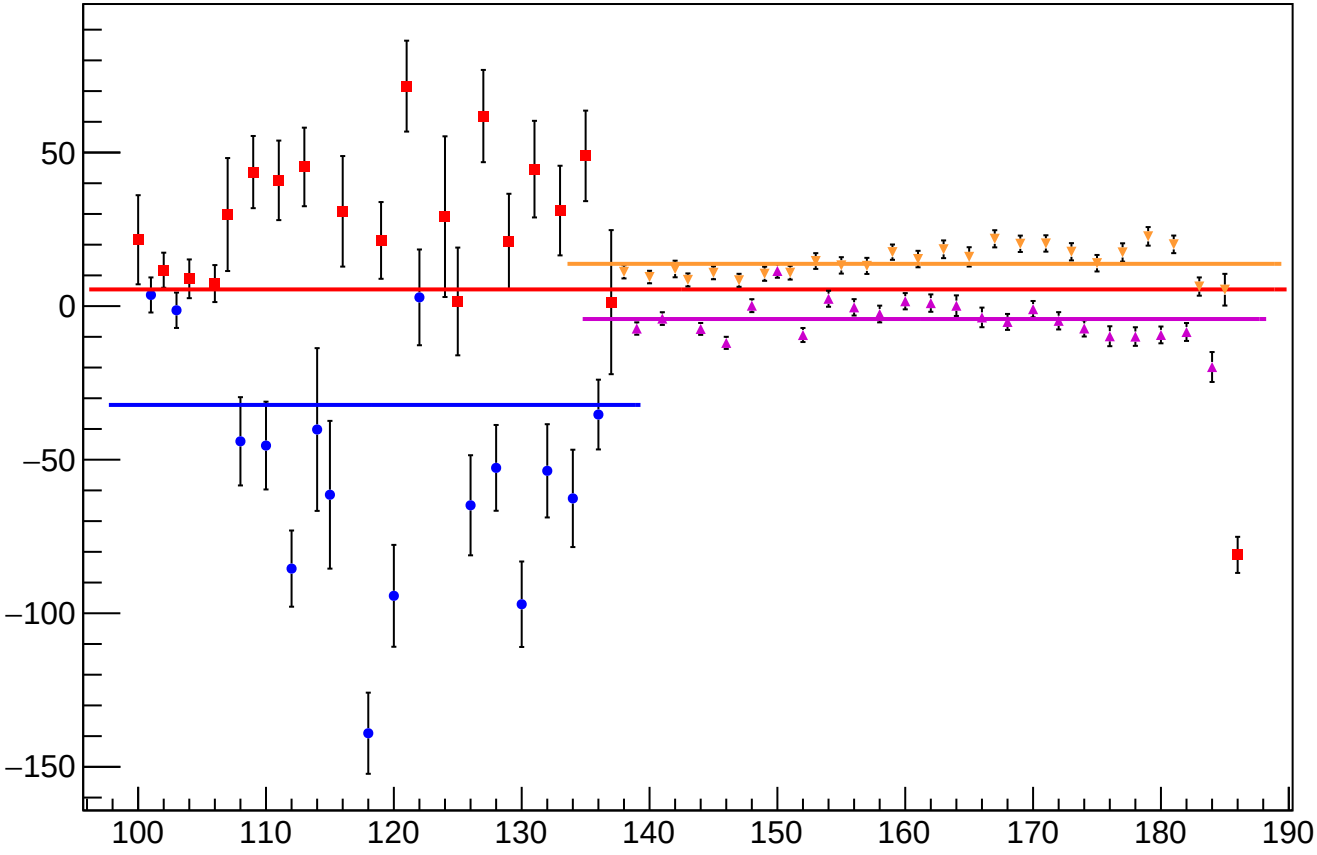
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 4247.733+/-1.153 χ^2/NDF: 29967780.6/40

All: 4171.624+/-0.807 χ^2/NDF: 59508222.2/8

- sign 4098.634+/-1.129 χ^2/NDF: 29531906.7/42

diff_bpm0l04X_mean vs Slug



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 5.435+/-2.345 χ^2/NDF: 306.3/19

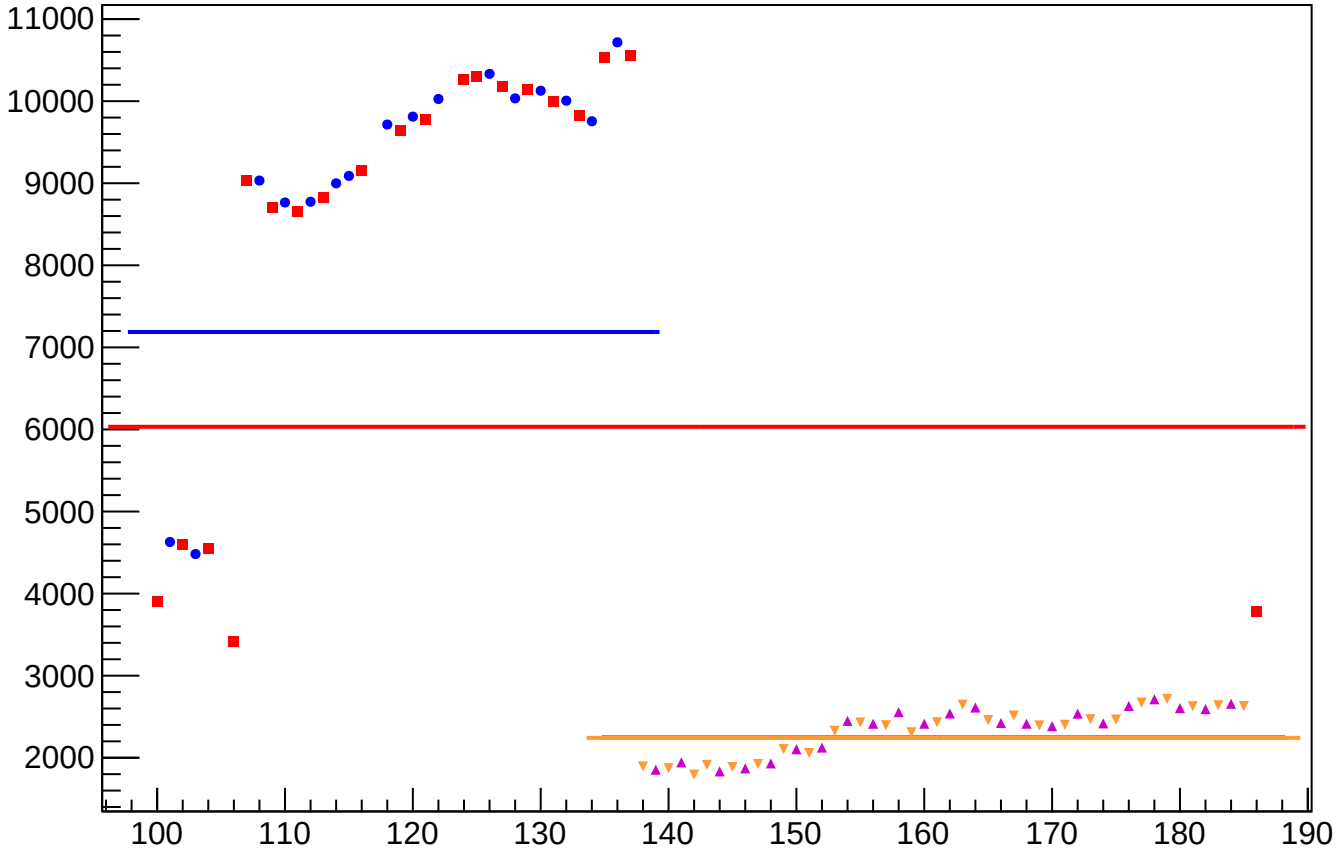
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 12.306+/-0.506 χ^2/NDF: 538.0/40

All: 4.462+/-0.362 χ^2/NDF: 1476.1/83

- sign -3.734+/-0.517 χ^2/NDF: 446.3/42

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 6032.778+/-1.658 χ^2/NDF: 2625795.0/19

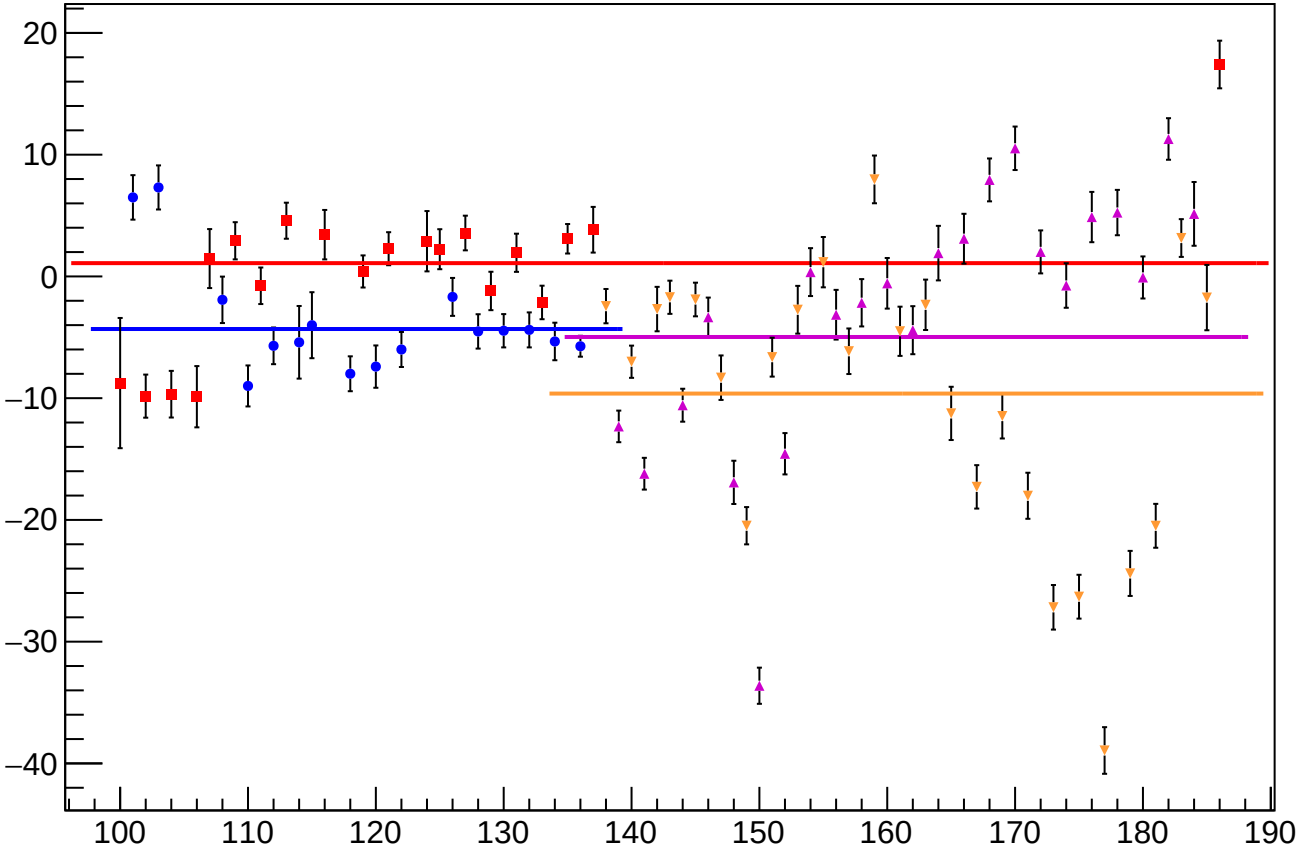
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2398.991+/-0.358 χ^2/NDF: 8228181.2/40

All: 2415.401+/-0.256 χ^2/NDF: 16455930.7/8

- sign 2432.547+/-0.366 χ^2/NDF: 8223444.8/42

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

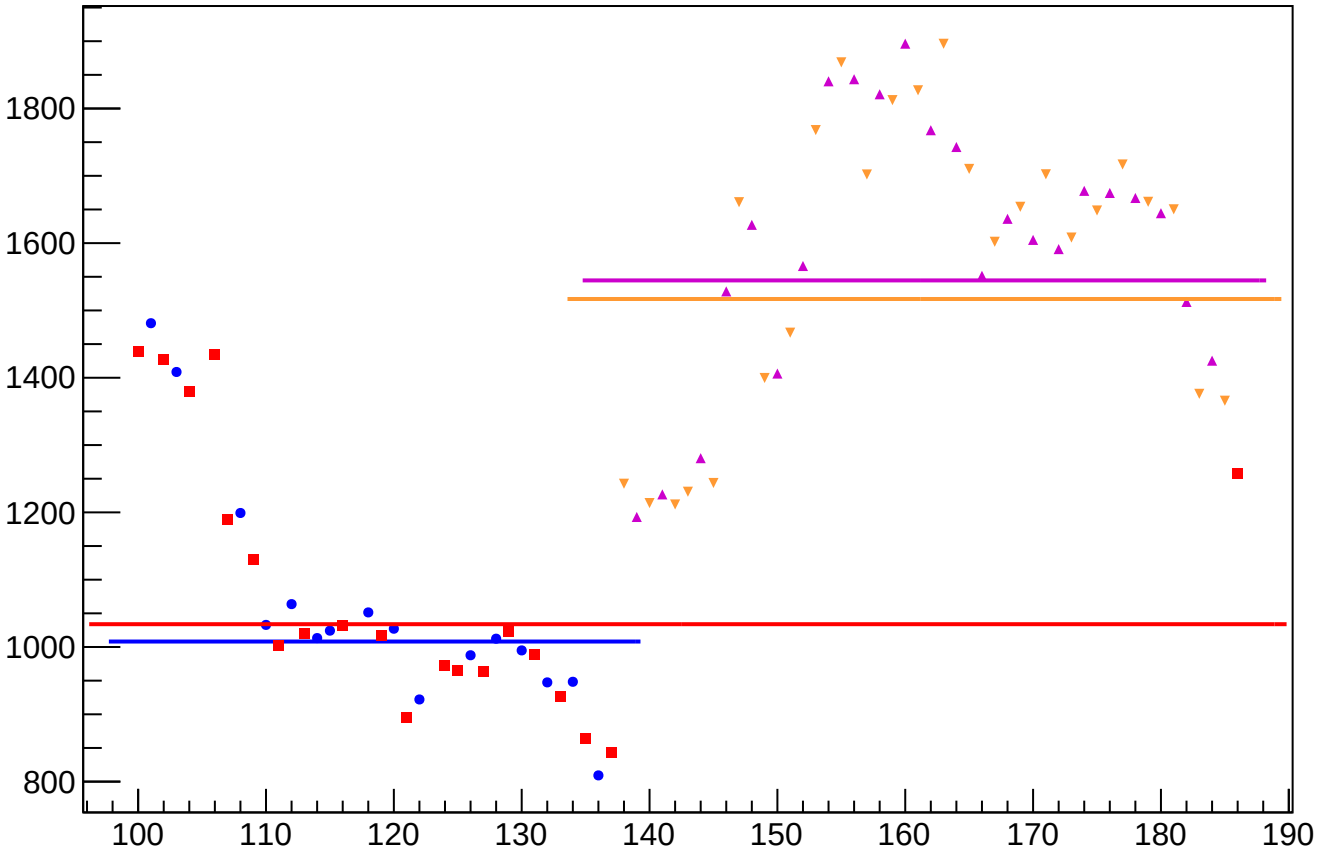
Right Out: 1.091+/-0.372 χ^2/NDF: 189.3/19

Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.193+/-0.257 χ^2/NDF: 1143.7/40

All: -4.630+/-0.183 χ^2/NDF: 2599.9/83

- sign -2.000+/-0.260 χ^2/NDF: 1254.7/42



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1033.875+/-0.263 χ^2/NDF: 373201.6/19

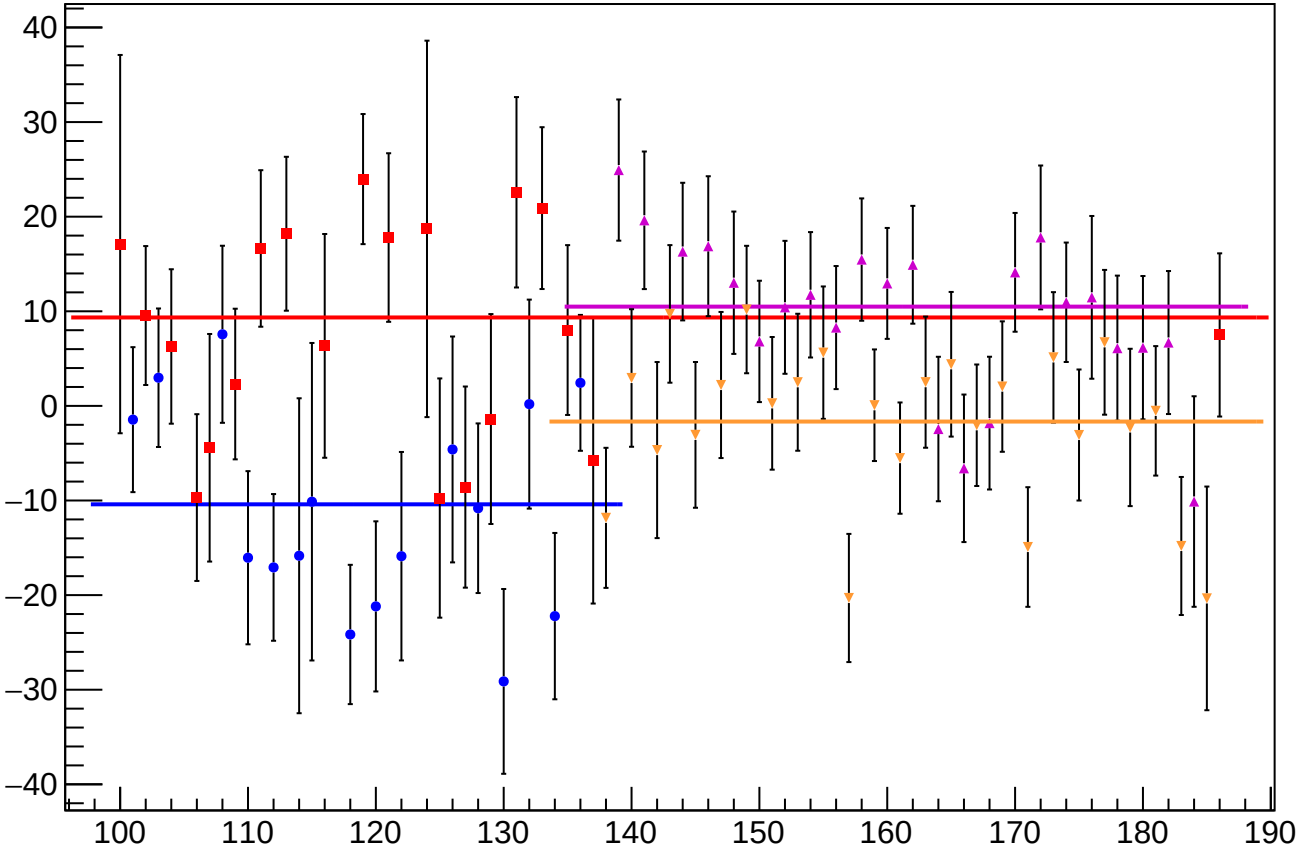
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1283.917+/-0.182 χ^2/NDF: 3158402.9/40

All: 1288.996+/-0.129 χ^2/NDF: 6095939.1/83

- sign 1294.206+/-0.184 χ^2/NDF: 2935954.1/42

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

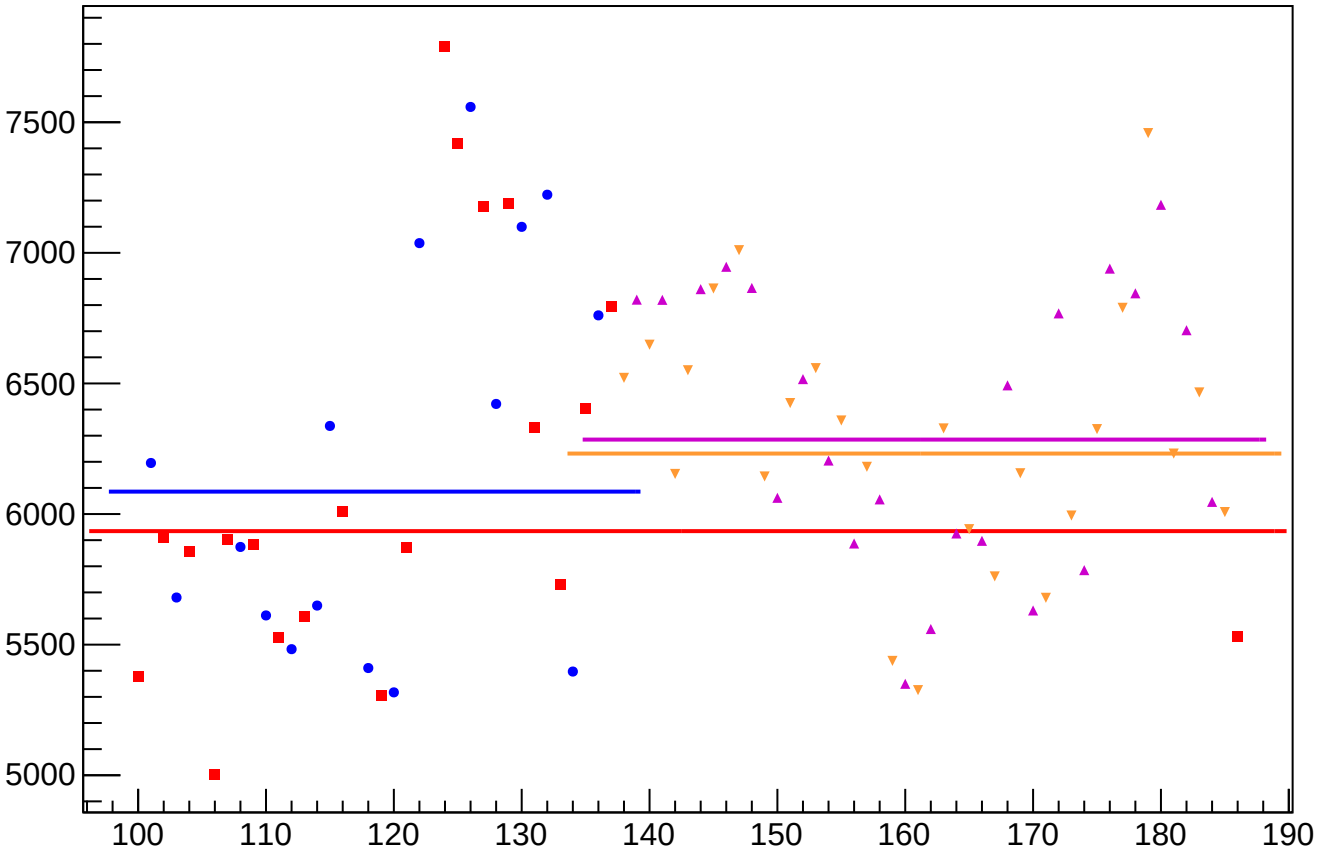
Right Out: 9.348+/-2.123 χ^2/NDF: 25.4/19

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -4.116+/-1.209 χ^2/NDF: 66.7/40

All: 2.973+/-0.857 χ^2/NDF: 186.2/83

- sign 10.118+/-1.214 χ^2/NDF: 50.5/42



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5934.603+/-1.502 χ^2/NDF: 167423.3/19

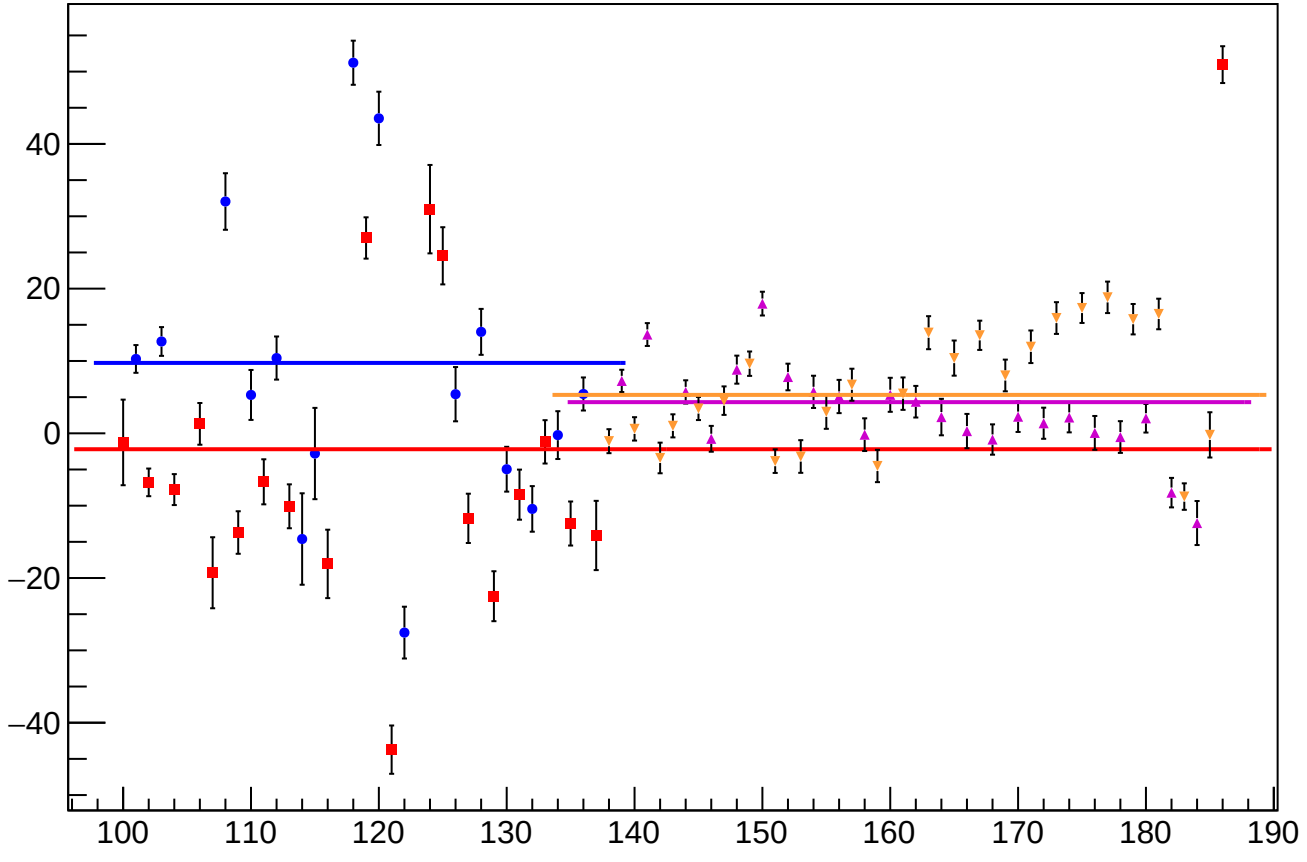
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 6190.592+/-0.855 χ^2/NDF: 411947.9/40

All: 6180.589+/-0.606 χ^2/NDF: 881685.8/83

- sign 6170.506+/-0.858 χ^2/NDF: 469463.1/42

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

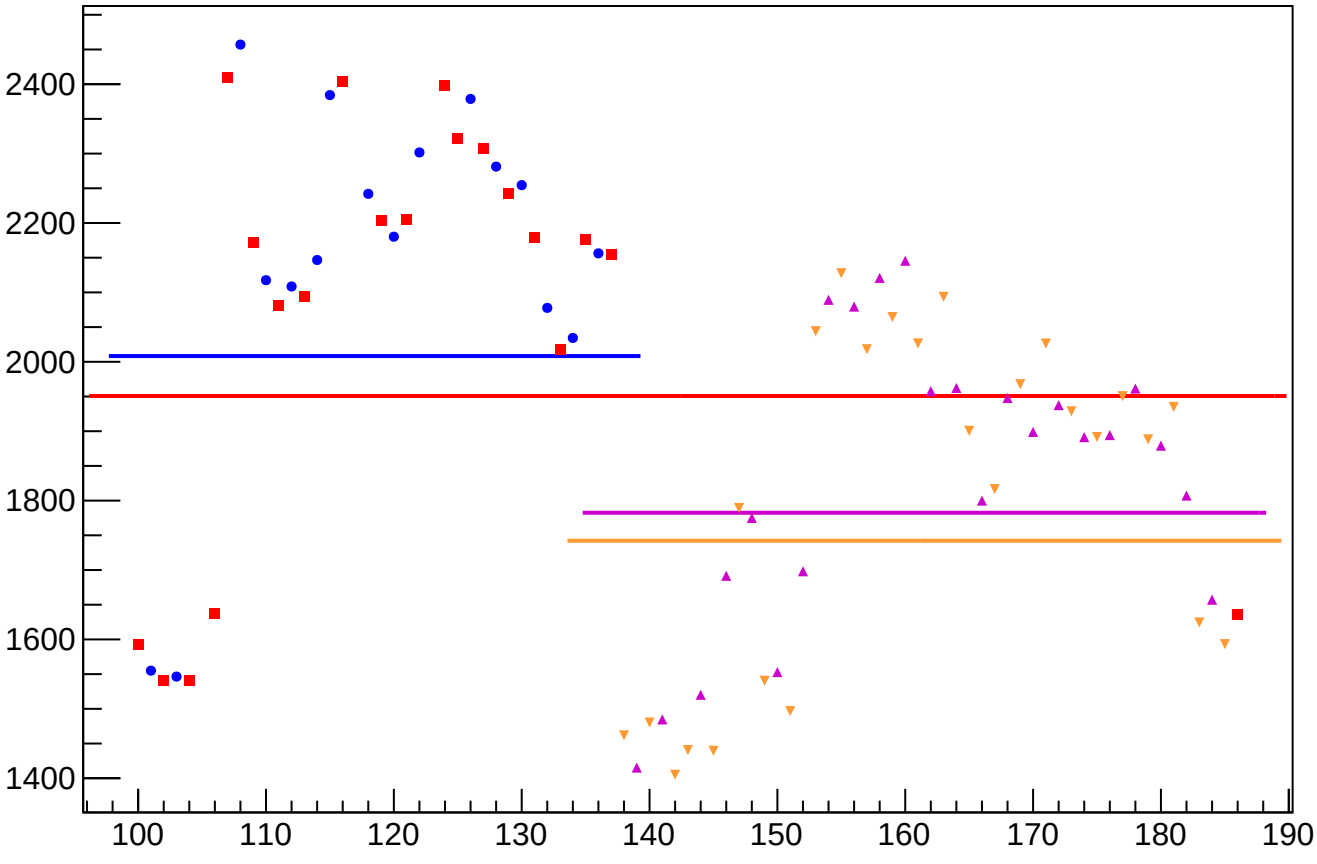
Right Out: -2.198+/-0.702 χ^2/NDF: 896.0/19

Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

\+ sign 6.283+/-0.354 χ^2/NDF: 917.2/40

All: 4.473+/-0.252 χ^2/NDF: 2150.3/83

\- sign 2.594+/-0.360 χ^2/NDF: 1179.7/42



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1950.745+/-0.496 χ^2/NDF: 398514.5/19

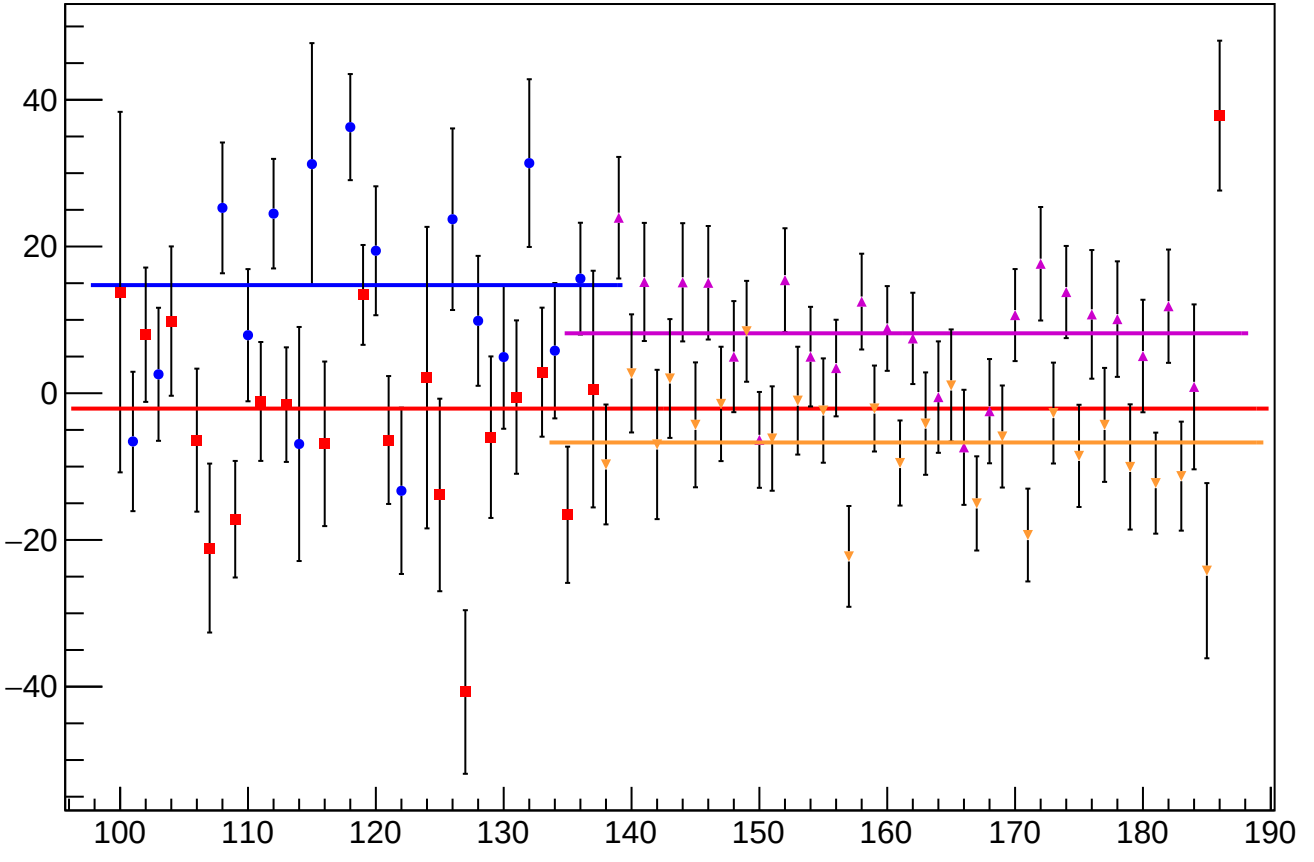
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1800.623+/-0.250 χ^2/NDF: 1305967.1/40

All: 1813.494+/-0.179 χ^2/NDF: 2328843.1/83

- sign 1826.864+/-0.255 χ^2/NDF: 1017476.0/42

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

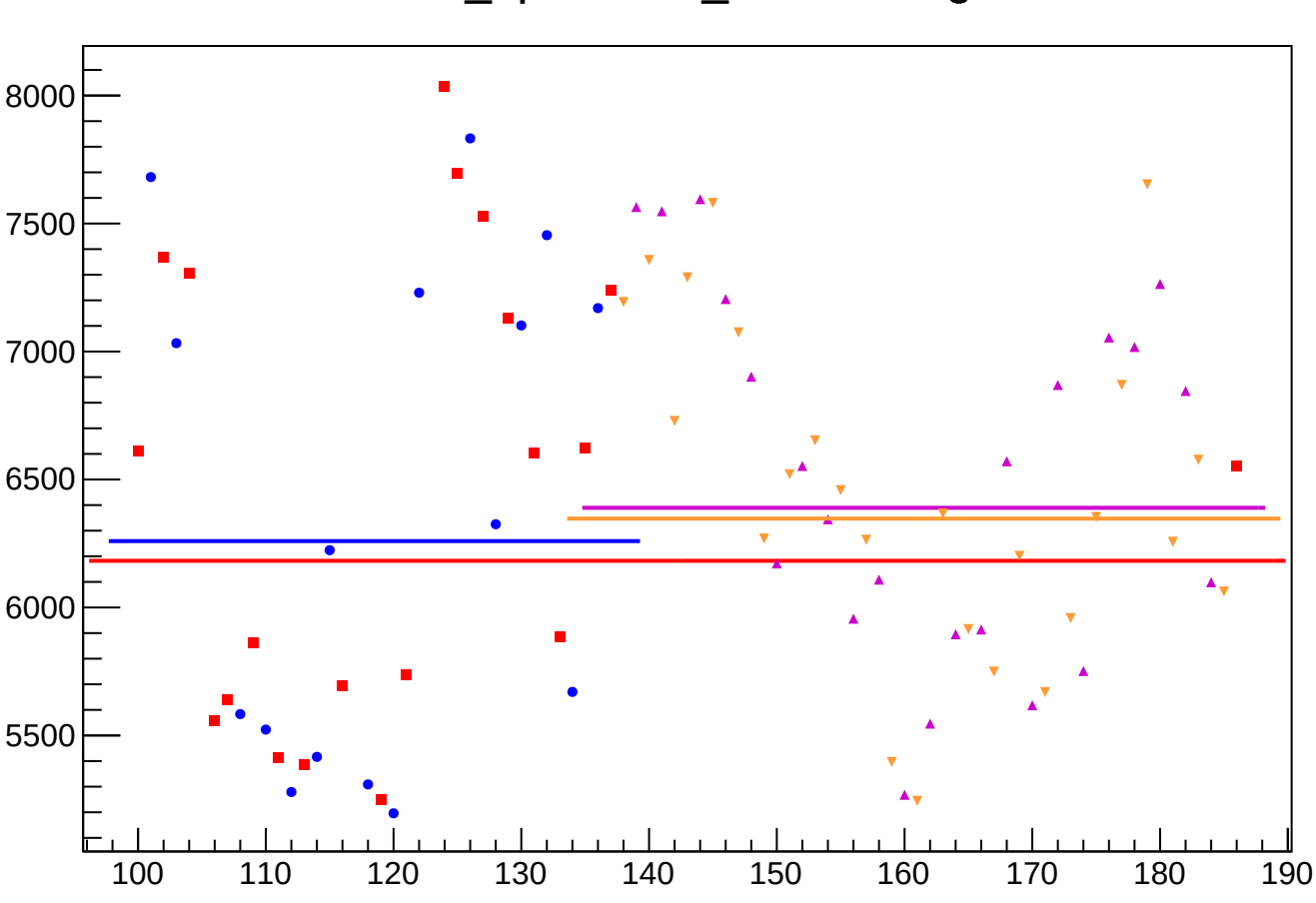
Right Out: -2.093+/-2.219 χ^2/NDF: 46.2/19

Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -0.780+/-1.240 χ^2/NDF: 119.1/40

All: 2.052+/-0.880 χ^2/NDF: 214.6/83

- sign 4.923+/-1.248 χ^2/NDF: 85.0/42



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6182.435+/-1.569 χ^2/NDF: 267801.7/19

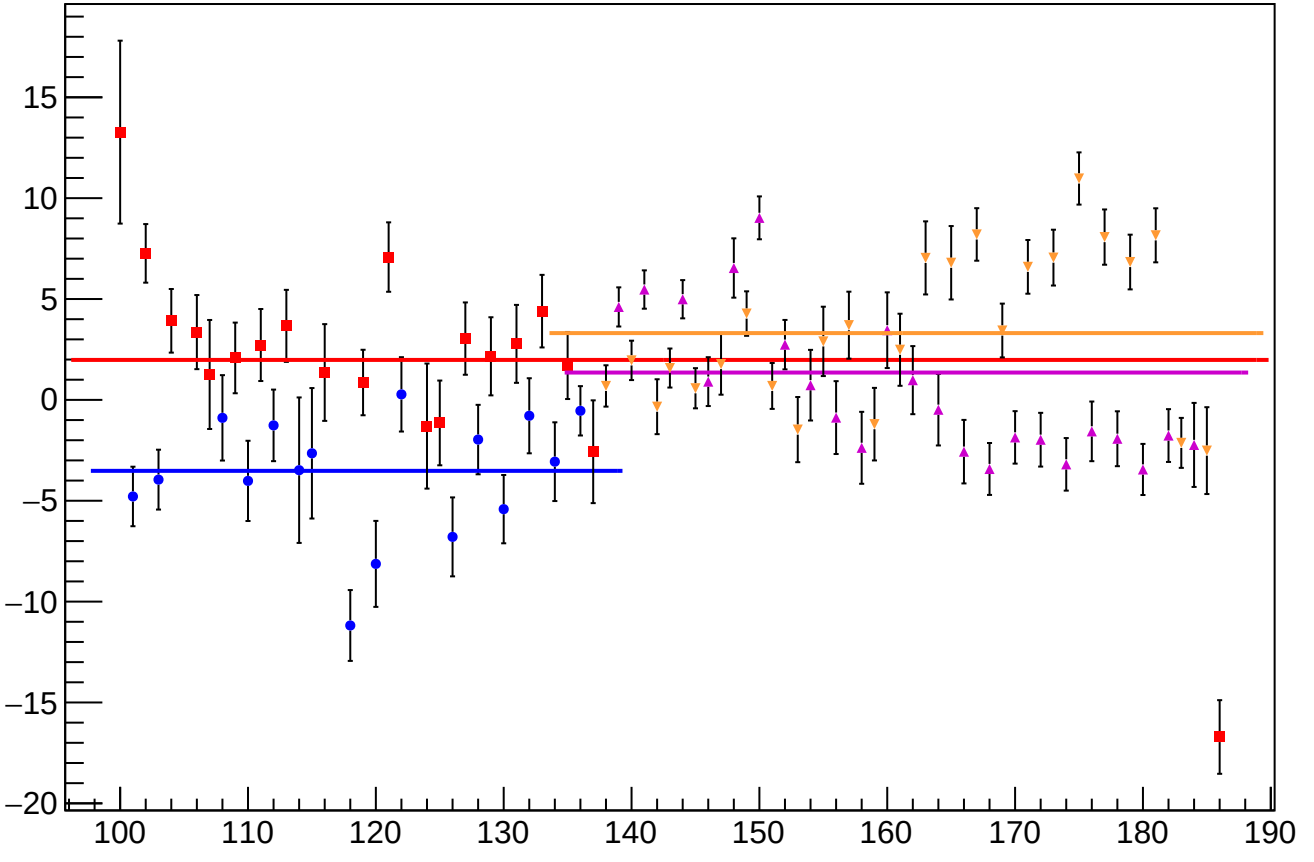
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6322.984+/-0.877 χ^2/NDF: 696642.2/40

All: 6323.455+/-0.622 χ^2/NDF: 1396092.5/83

- sign 6323.932+/-0.883 χ^2/NDF: 699449.8/42

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 1.981+/-0.426 χ^2/NDF: 145.7/19

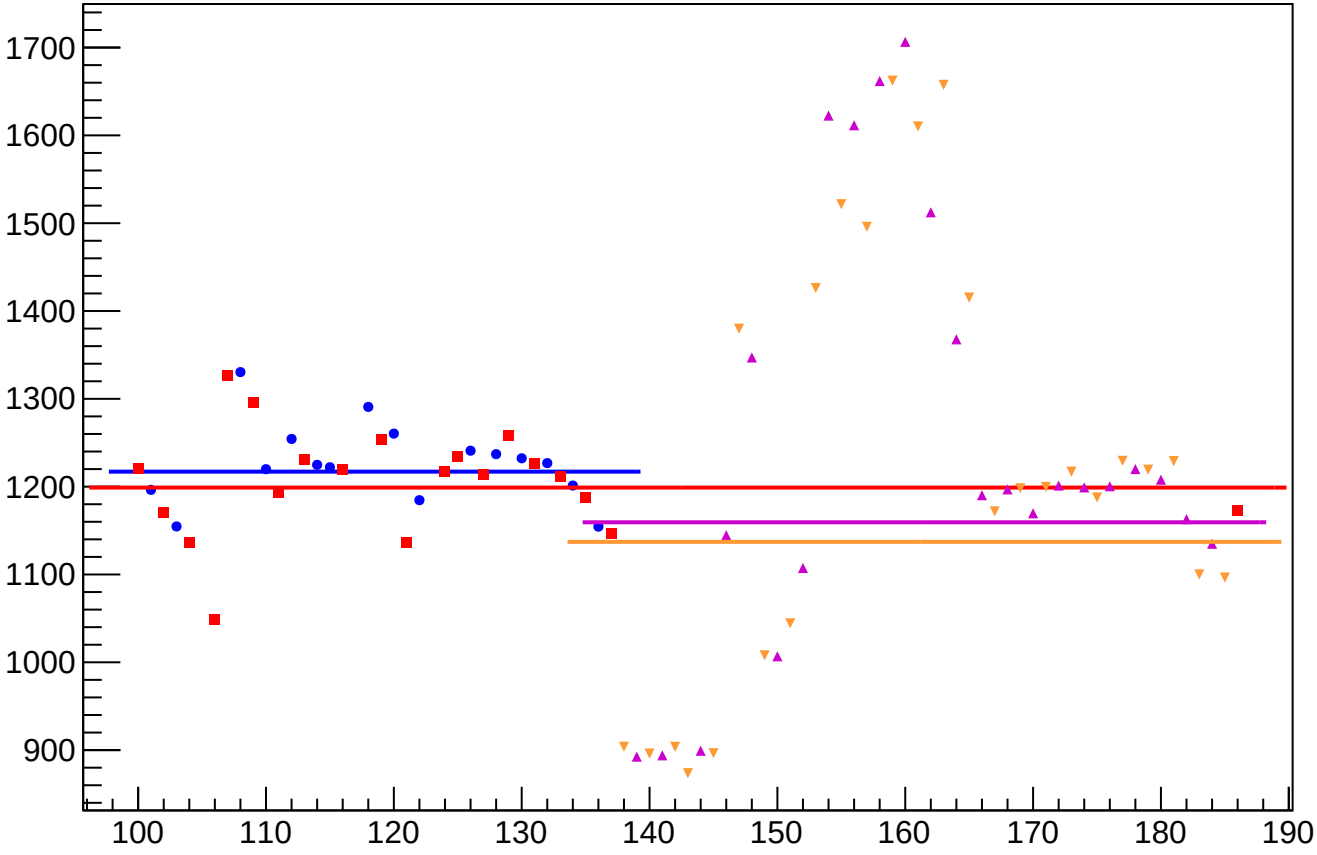
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

\+ sign 1.572+/-0.228 χ^2/NDF: 392.8/40

All: 1.557+/-0.163 χ^2/NDF: 736.4/83

\- sign 1.541+/-0.232 χ^2/NDF: 343.5/42

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1198.965+/-0.301 χ^2/NDF: 38102.4/19

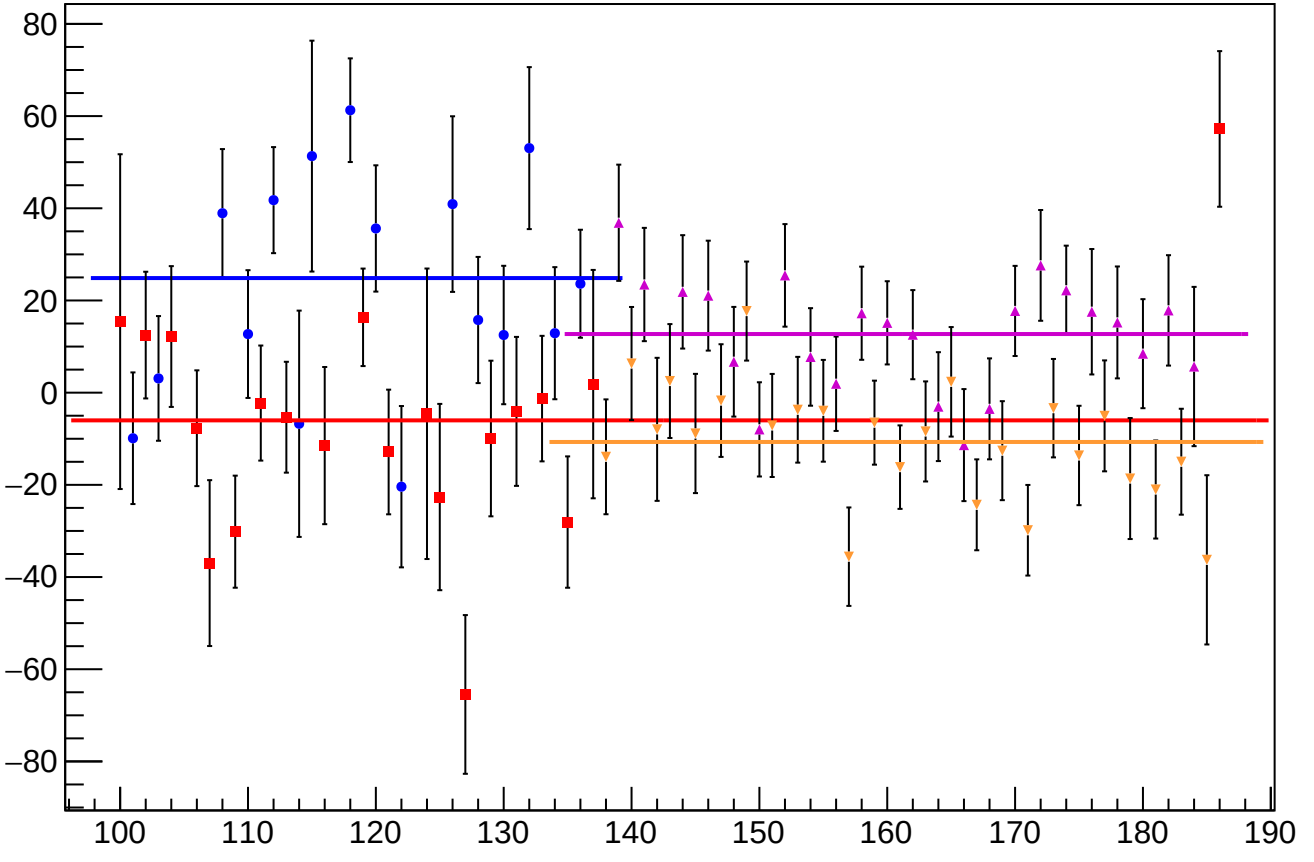
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1157.508+/-0.161 χ^2/NDF: 1537920.2/40

All: 1164.218+/-0.115 χ^2/NDF: 2851434.1/83

- sign 1171.151+/-0.164 χ^2/NDF: 1310001.1/42

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -6.012+/-3.384 χ^2/NDF: 44.7/19

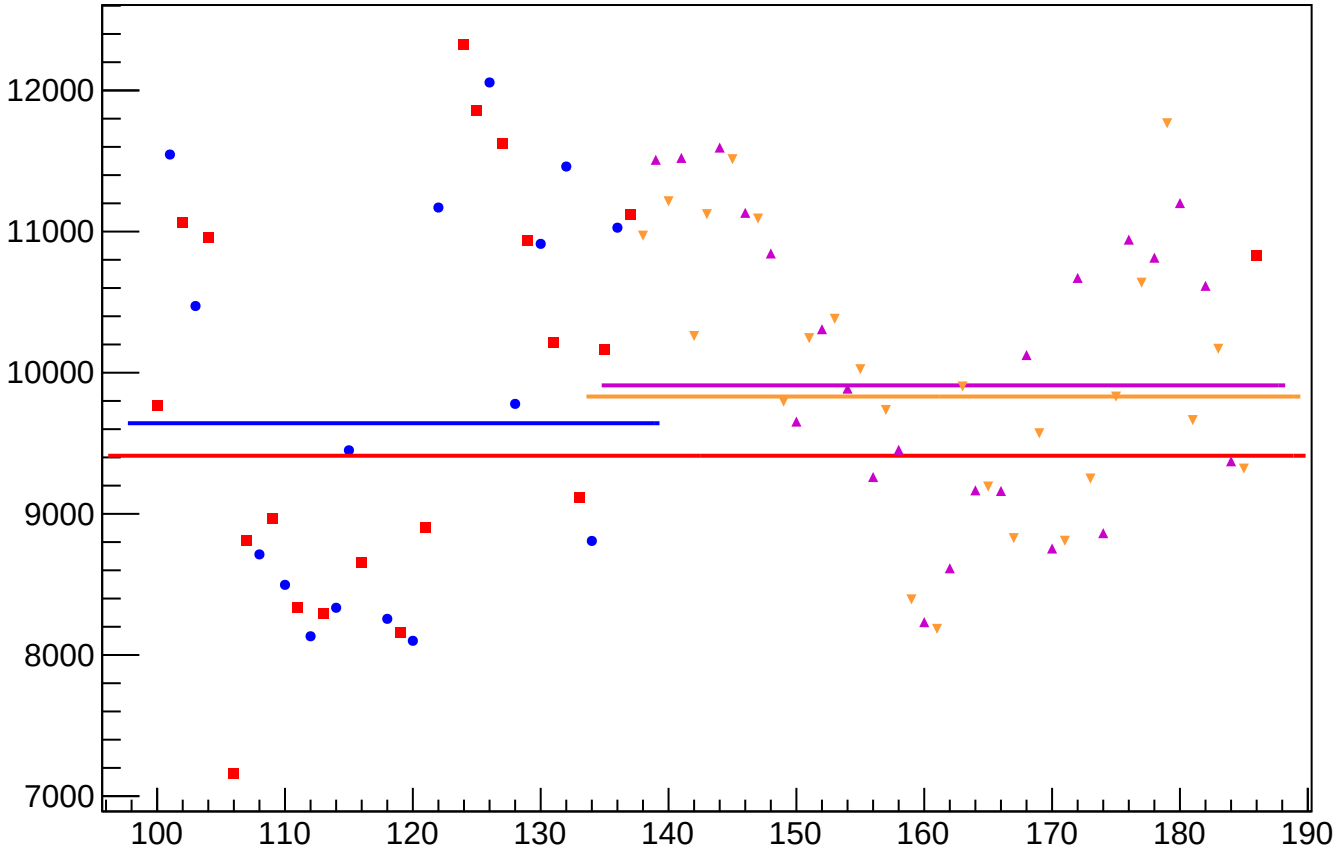
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -0.774+/-1.917 χ^2/NDF: 136.1/40

All: 2.925+/-1.358 χ^2/NDF: 233.1/83

- sign 6.656+/-1.925 χ^2/NDF: 89.5/42

diff_bpm0l07X_rms vs Slug



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9411.758+/-2.393 χ^2/NDF: 316434.1/19

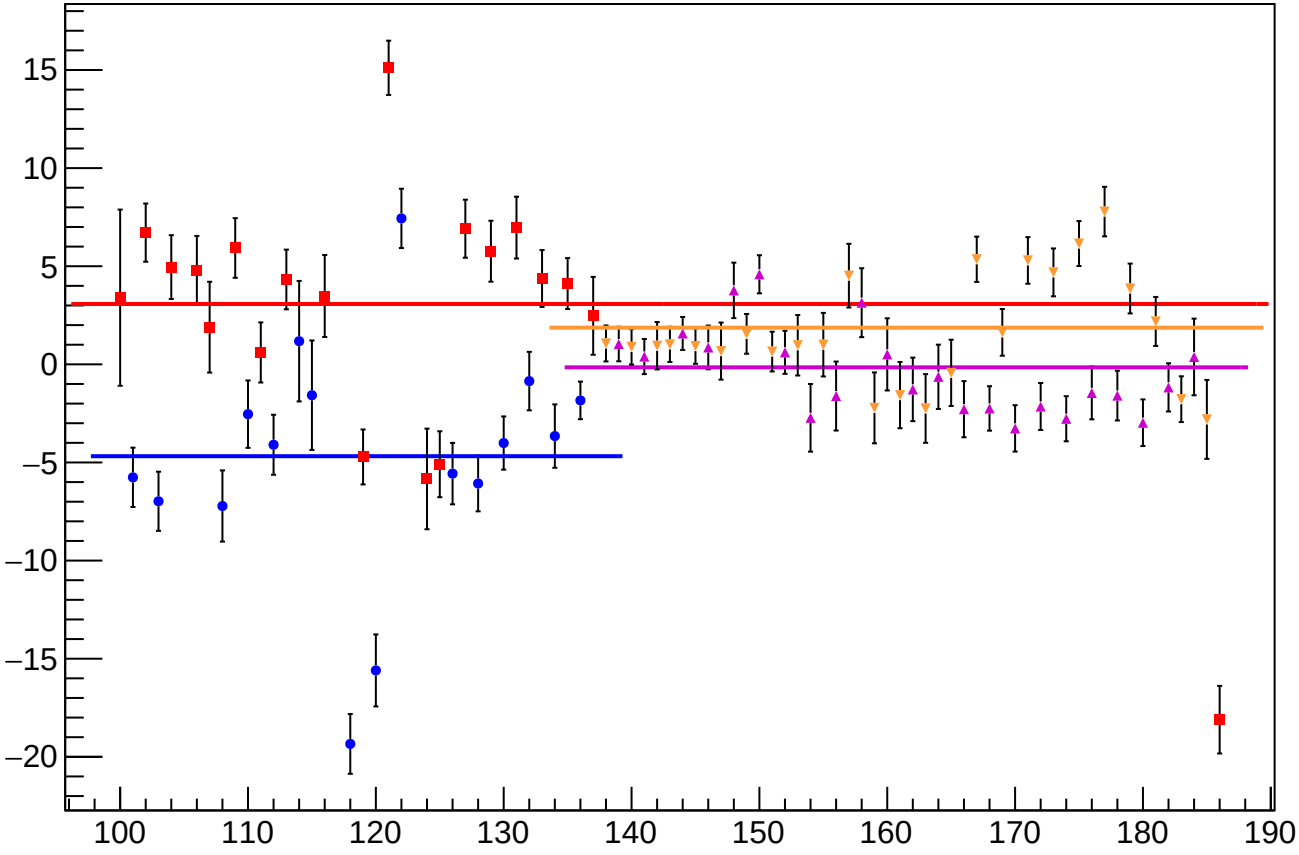
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9778.493+/-1.355 χ^2/NDF: 639705.0/40

All: 9763.774+/-0.960 χ^2/NDF: 1375108.1/83

- sign 9748.925+/-1.361 χ^2/NDF: 735166.2/42

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 3.076+/-0.368 χ^2/NDF: 326.5/19

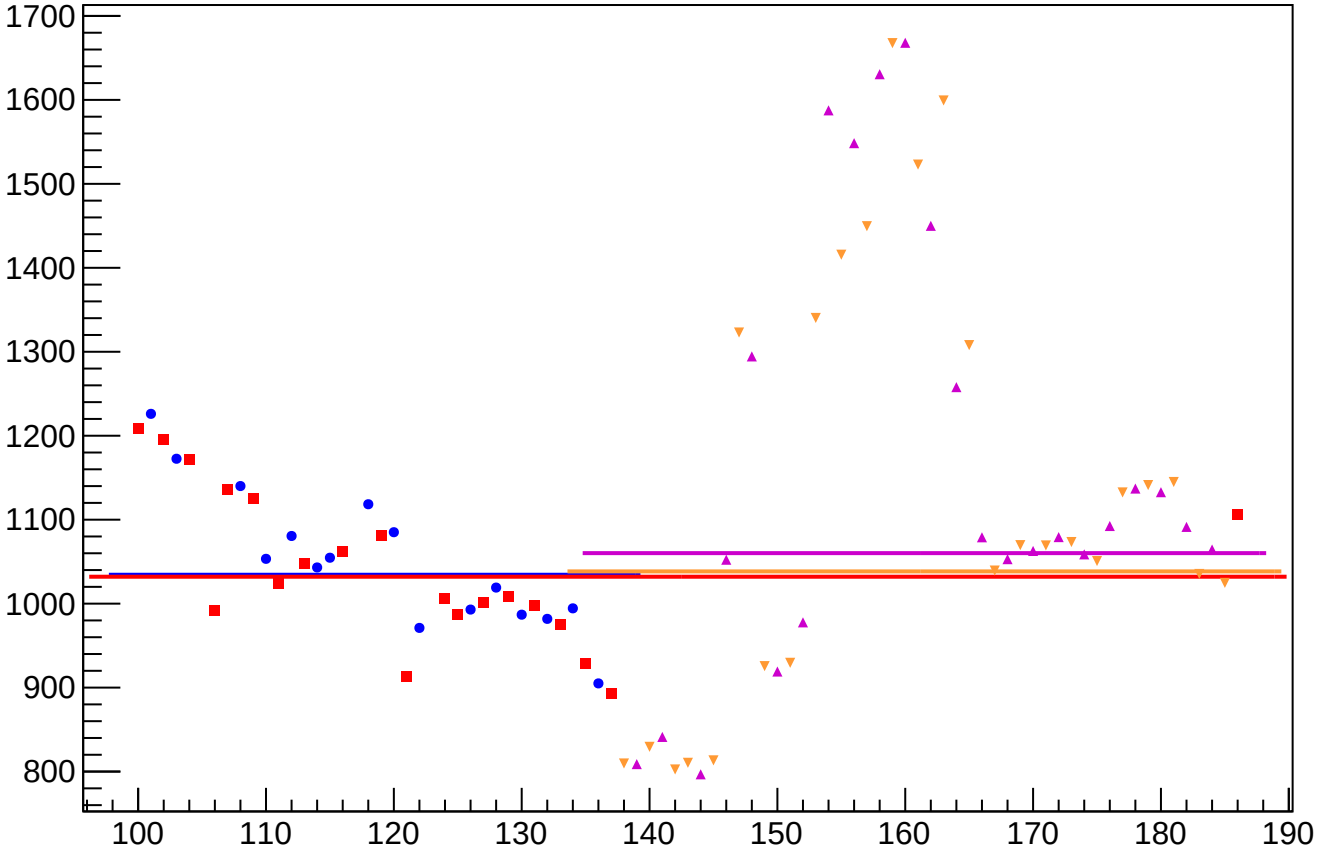
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.012+/-0.205 χ^2/NDF: 530.9/40

All: 0.445+/-0.147 χ^2/NDF: 994.2/83

- sign 0.893+/-0.209 χ^2/NDF: 454.3/42

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

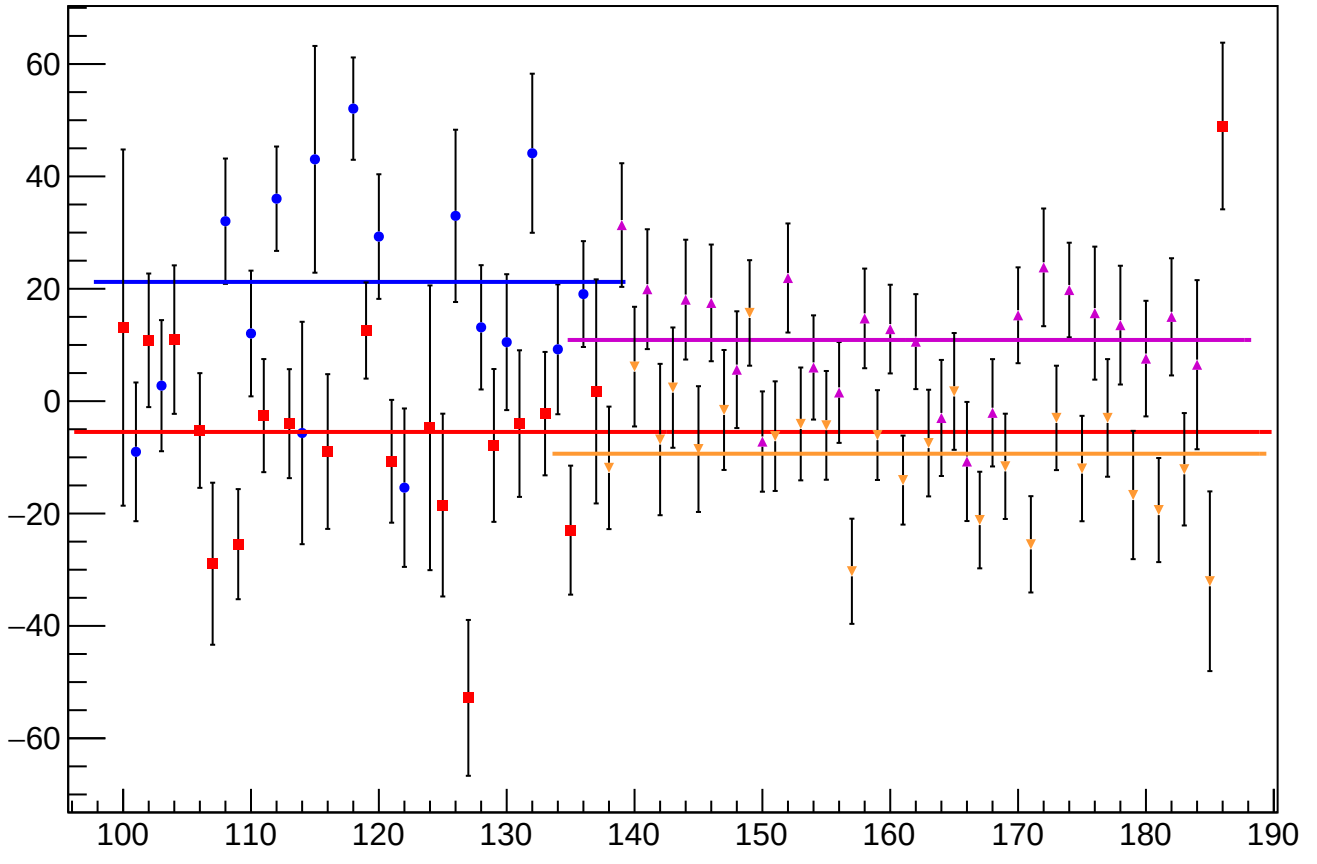
Right Out: 1032.065+/-0.260 χ^2/NDF: 105560.3/19

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1037.271+/-0.145 χ^2/NDF: 1820115.8/40

All: 1044.039+/-0.104 χ^2/NDF: 3461216.5/83

- sign 1051.063+/-0.148 χ^2/NDF: 1636675.9/42



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -5.480+/-2.761 χ^2/NDF: 43.8/19

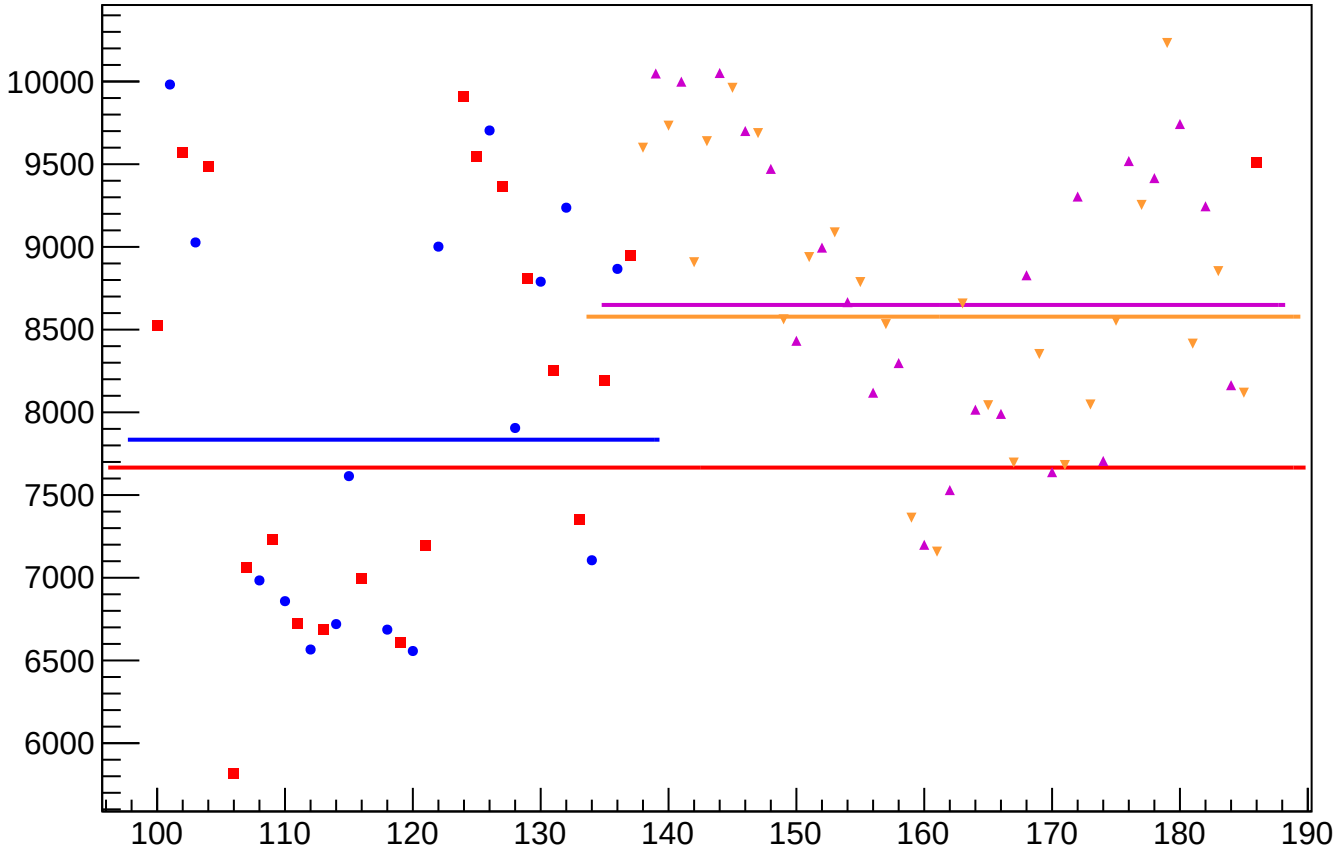
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign 0.062+/-1.638 χ^2/NDF: 142.8/40

All: 2.576+/-1.160 χ^2/NDF: 237.6/83

- sign 5.102+/-1.642 χ^2/NDF: 90.1/42

diff_bpm0l08X_rms vs Slug



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 7666.054+/-1.952 χ^2/NDF: 376415.0/19

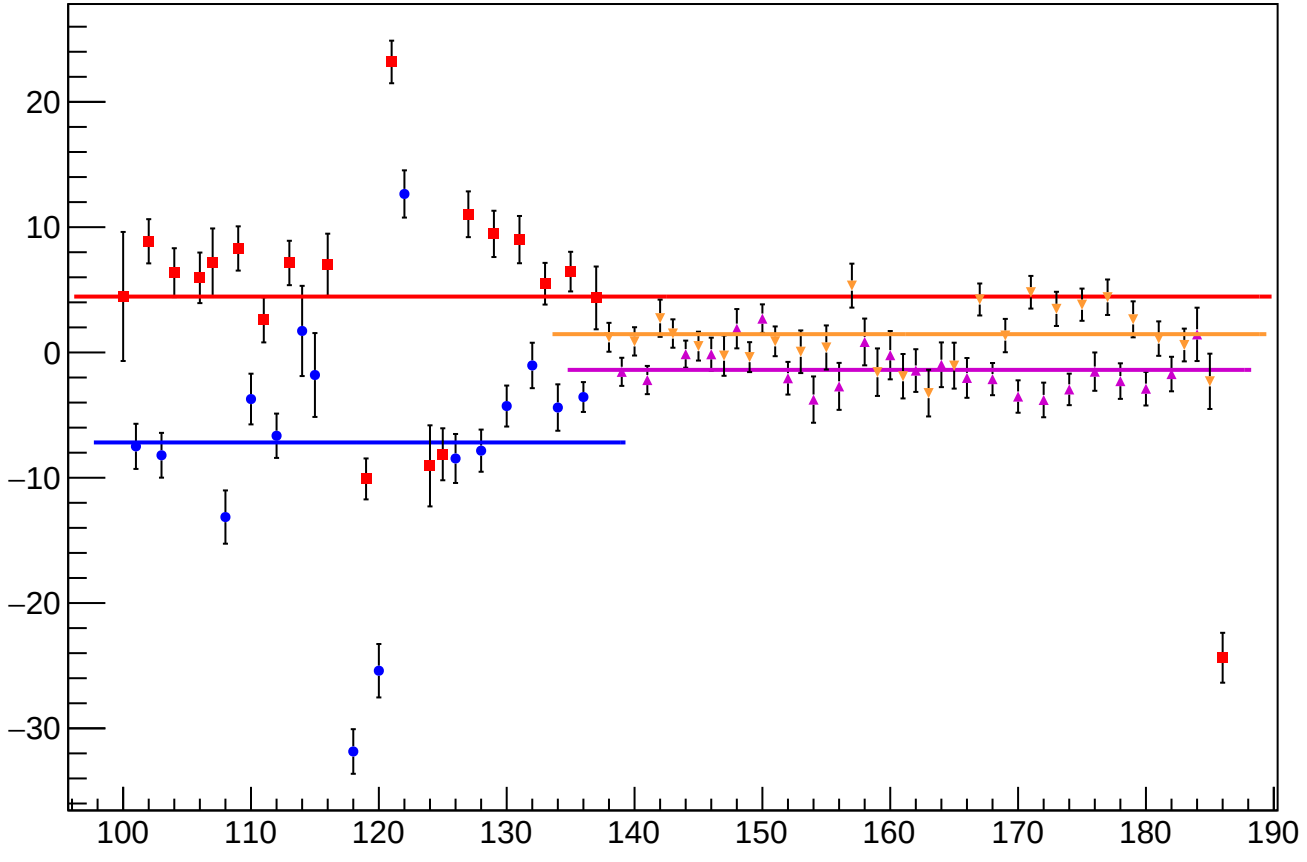
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8349.328+/-1.158 χ^2/NDF: 749685.4/40

All: 8325.478+/-0.820 χ^2/NDF: 1668777.1/83

- sign 8301.513+/-1.161 χ^2/NDF: 918241.8/42

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

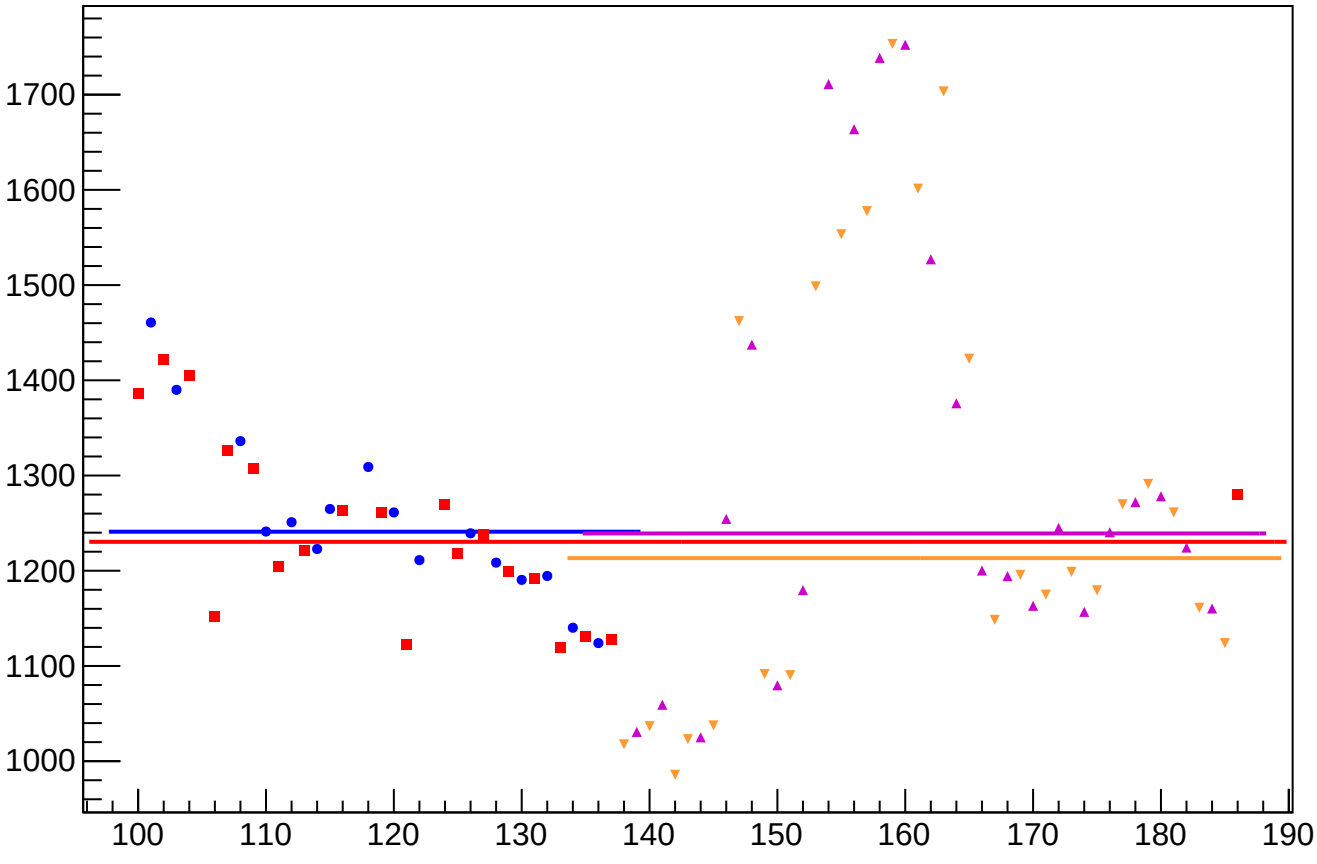
Right Out: 4.461+/-0.438 χ^2/NDF: 510.6/19

Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -0.865+/-0.240 χ^2/NDF: 728.8/40

All: -0.230+/-0.171 χ^2/NDF: 1412.1/83

- sign 0.429+/-0.244 χ^2/NDF: 669.0/42



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1230.383+/-0.310 χ^2/NDF: 83638.8/19

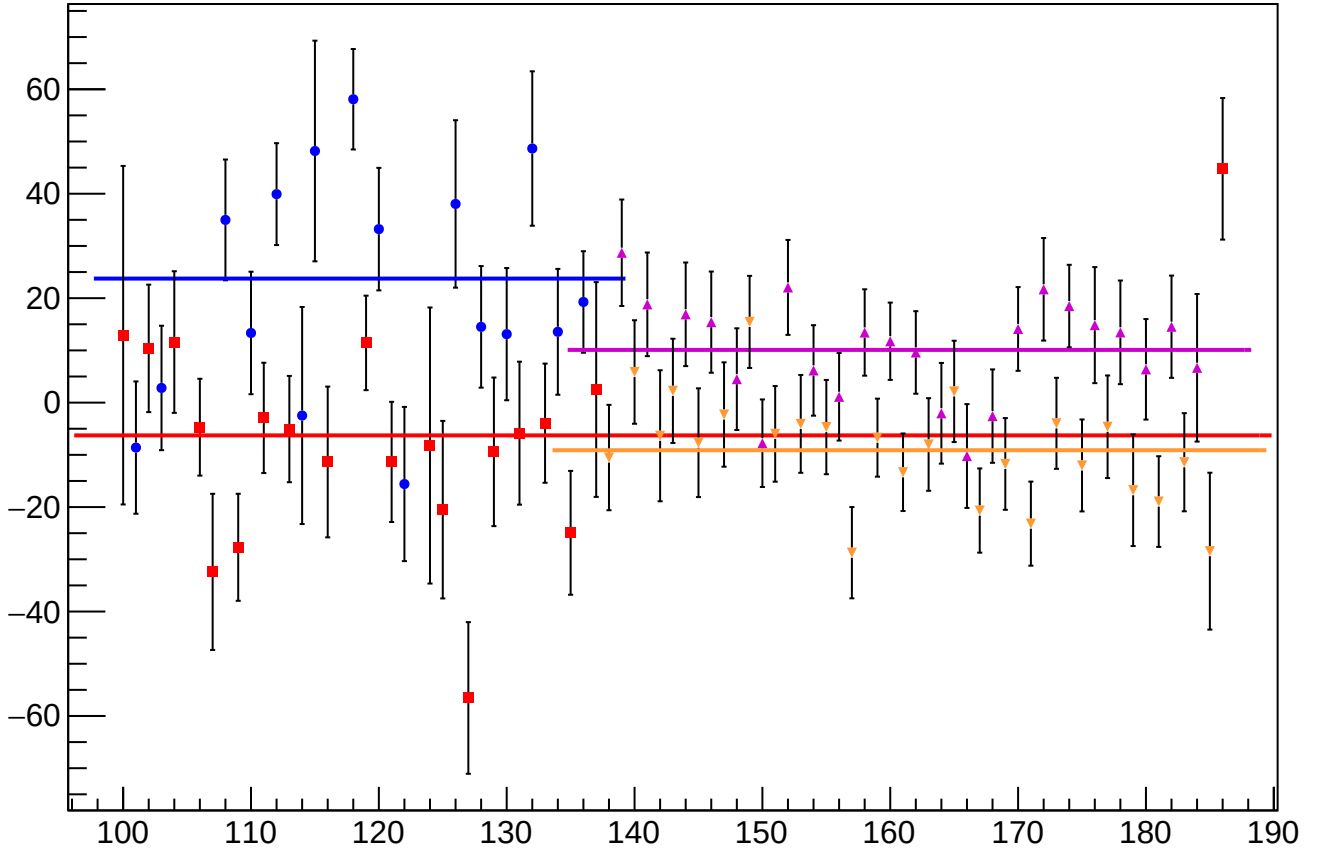
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1220.728+/-0.170 χ^2/NDF: 1098680.7/40

All: 1228.440+/-0.121 χ^2/NDF: 2072684.6/83

- sign 1236.441+/-0.173 χ^2/NDF: 969790.4/42

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

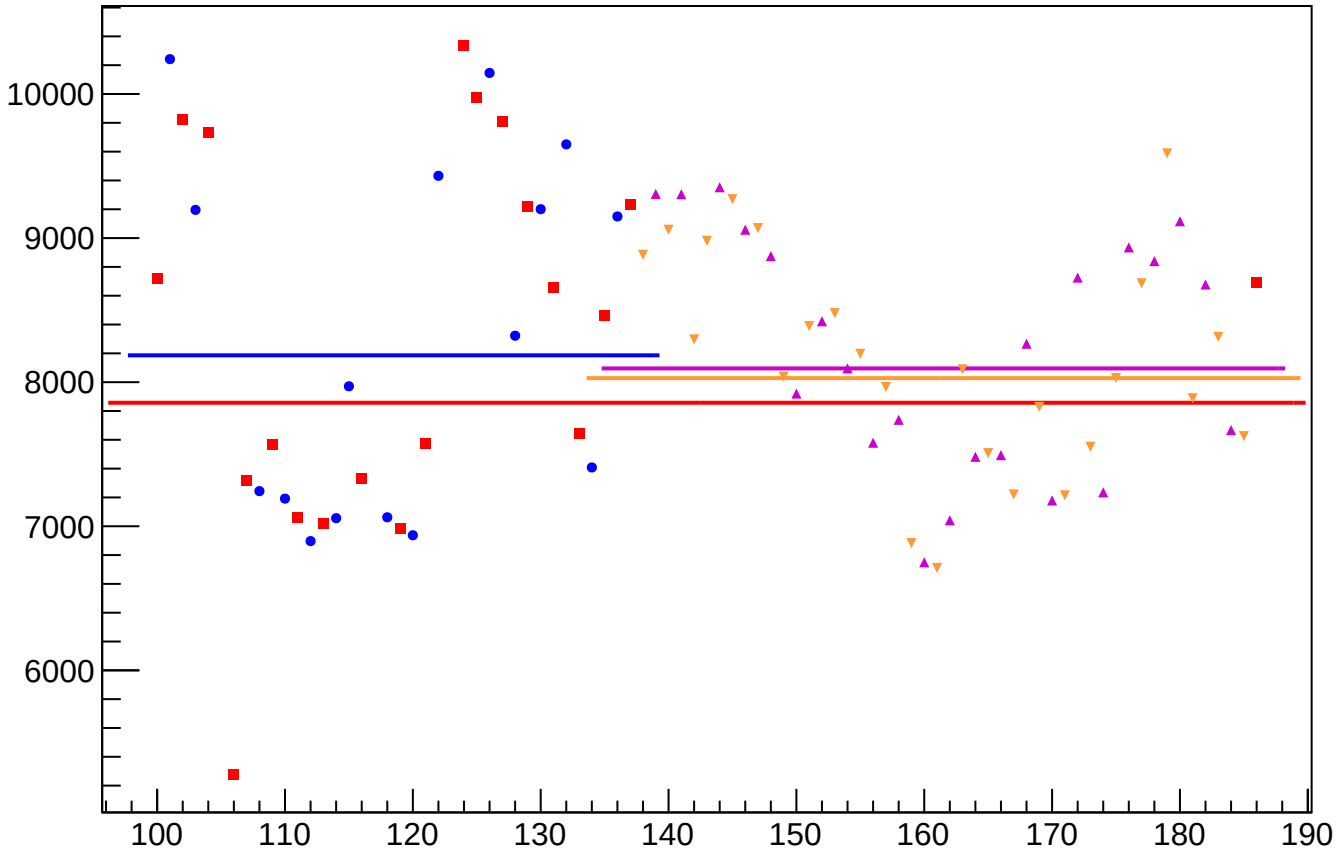
Right Out: -6.273+/-2.835 χ^2/NDF: 45.3/19

Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -0.459+/-1.581 χ^2/NDF: 156.0/40

All: 2.254+/-1.119 χ^2/NDF: 254.4/83

- sign 4.980+/-1.585 χ^2/NDF: 92.5/42



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 7857.234+/-2.005 χ^2/NDF: 430963.4/19

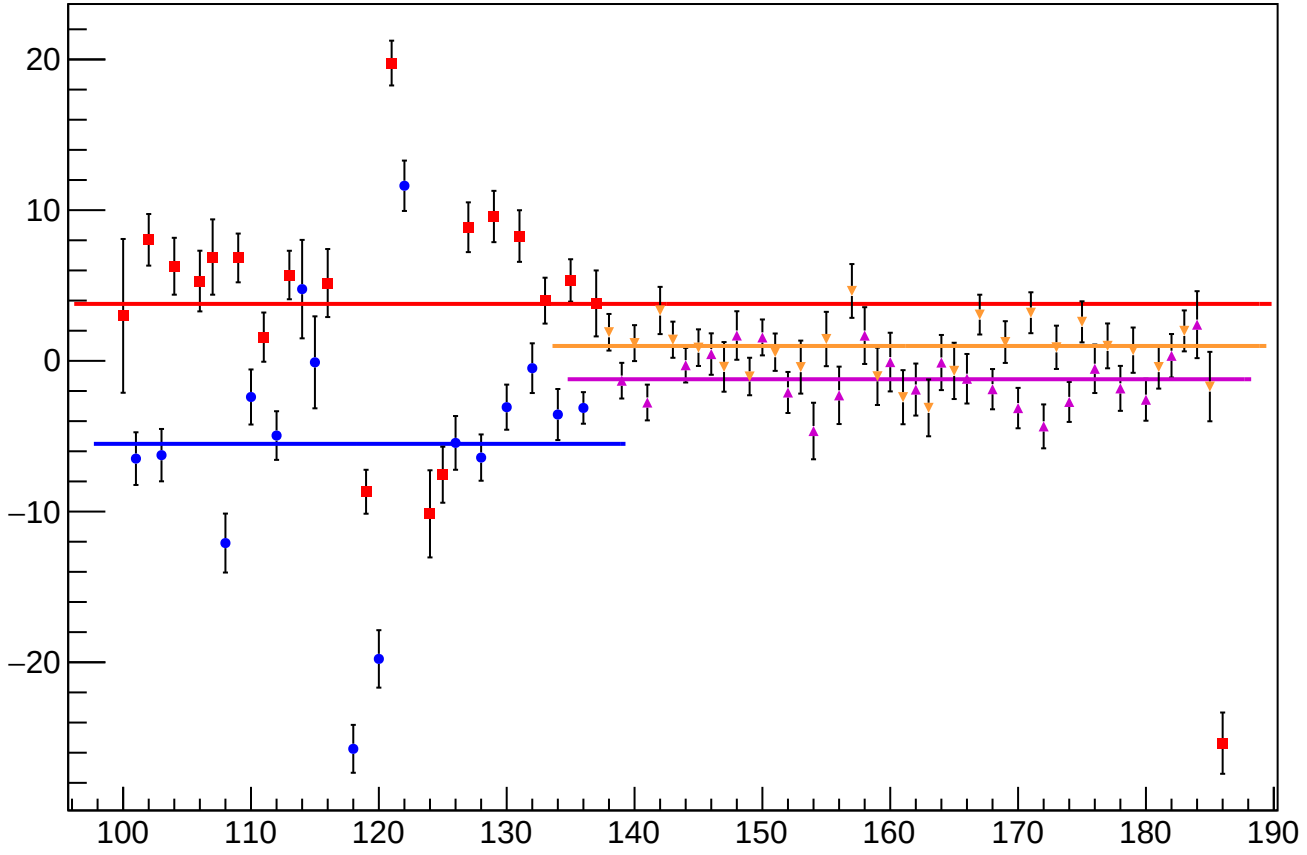
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 8069.747+/-1.118 χ^2/NDF: 626975.1/40

All: 8045.402+/-0.792 χ^2/NDF: 1436042.5/83

- sign 8020.951+/-1.121 χ^2/NDF: 808117.3/42

diff_bpm0l09Y_mean vs Slug



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 3.780+/-0.402 χ^2/NDF: 501.2/19

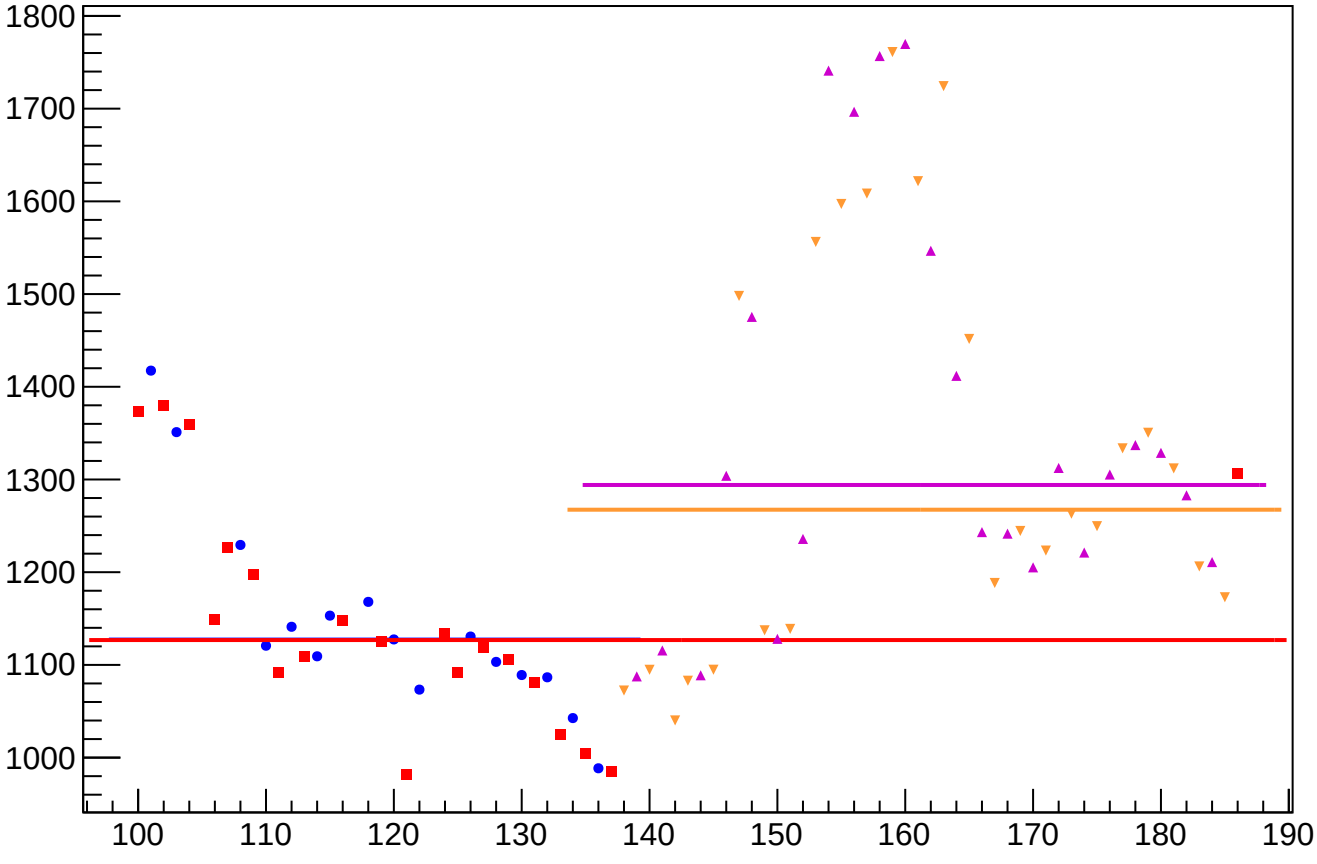
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.126+/-0.240 χ^2/NDF: 561.4/40

All: -0.267+/-0.171 χ^2/NDF: 1219.4/83

- sign 0.617+/-0.244 χ^2/NDF: 632.1/42

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1126.807+/-0.284 χ^2/NDF: 157058.3/19

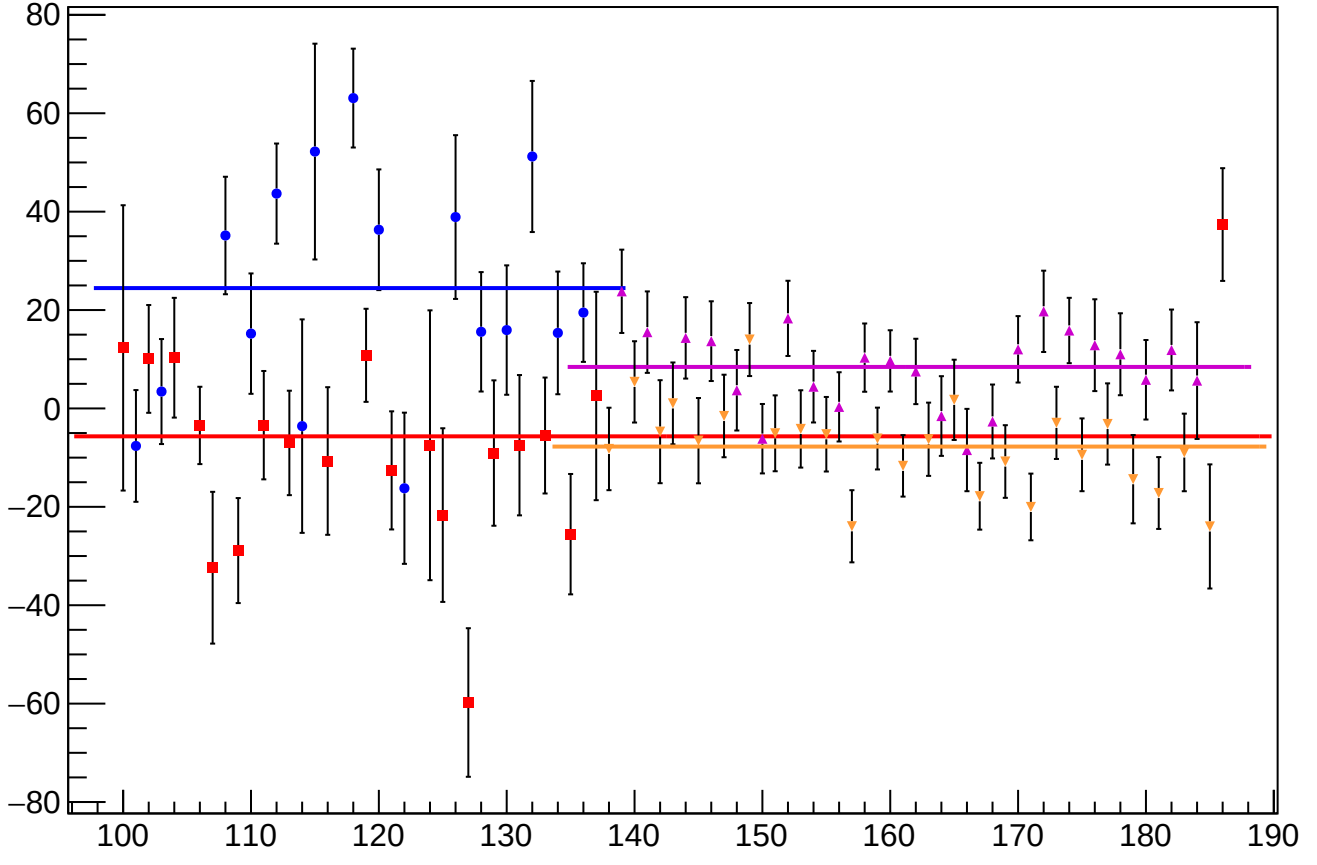
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1221.801+/-0.170 χ^2/NDF: 1168566.4/40

All: 1227.124+/-0.121 χ^2/NDF: 2304592.9/83

- sign 1232.612+/-0.172 χ^2/NDF: 1134030.4/42

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -5.672+/-2.803 χ^2/NDF: 46.2/19

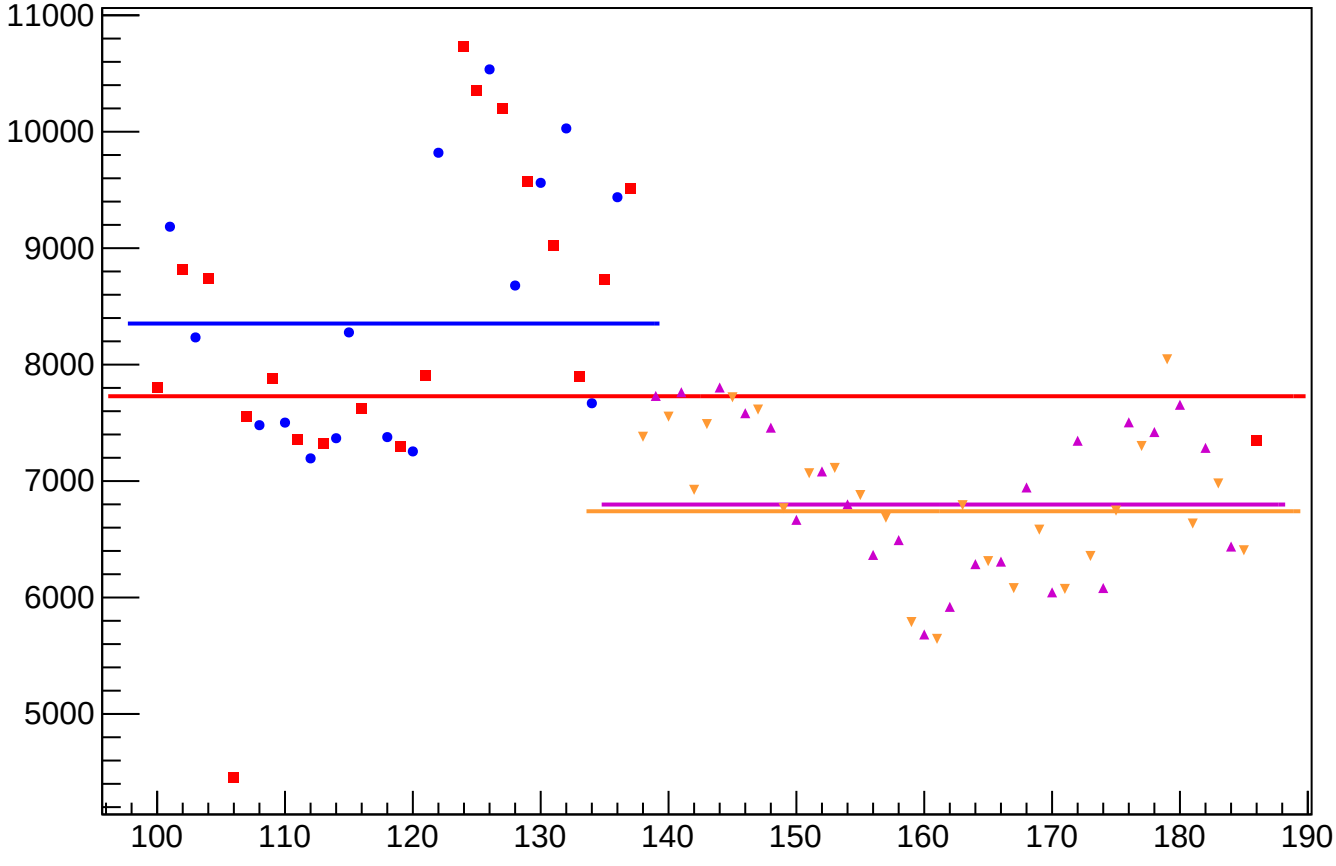
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -1.450+/-1.387 χ^2/NDF: 163.6/40

All: 1.740+/-0.983 χ^2/NDF: 264.3/83

- sign 4.955+/-1.393 χ^2/NDF: 90.1/42

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7728.572+/-1.982 χ^2/NDF: 590394.5/19

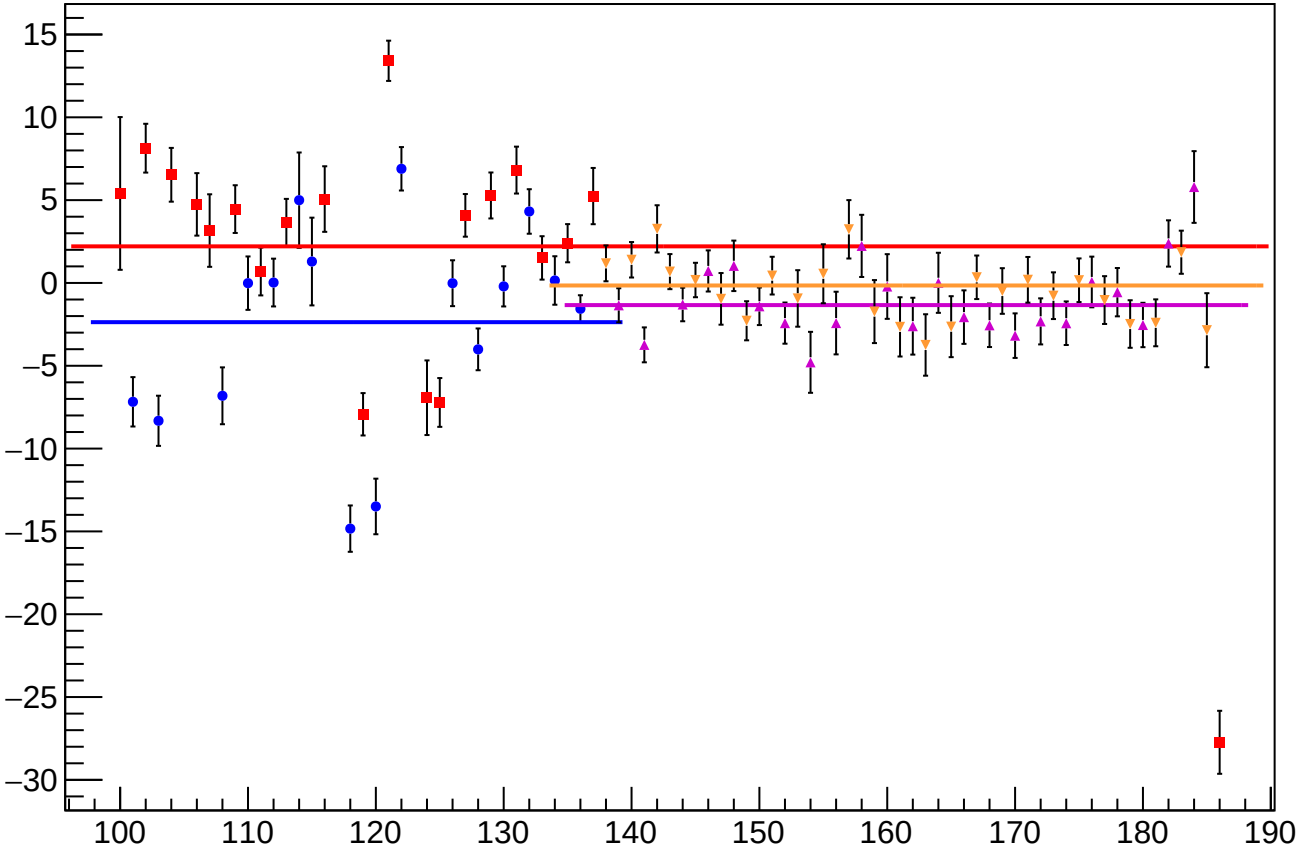
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 7056.168+/-0.981 χ^2/NDF: 962115.9/40

All: 7042.179+/-0.695 χ^2/NDF: 2072027.5/83

- sign 7028.078+/-0.985 χ^2/NDF: 1109503.1/42

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 2.209+/-0.341 χ^2/NDF: 506.7/19

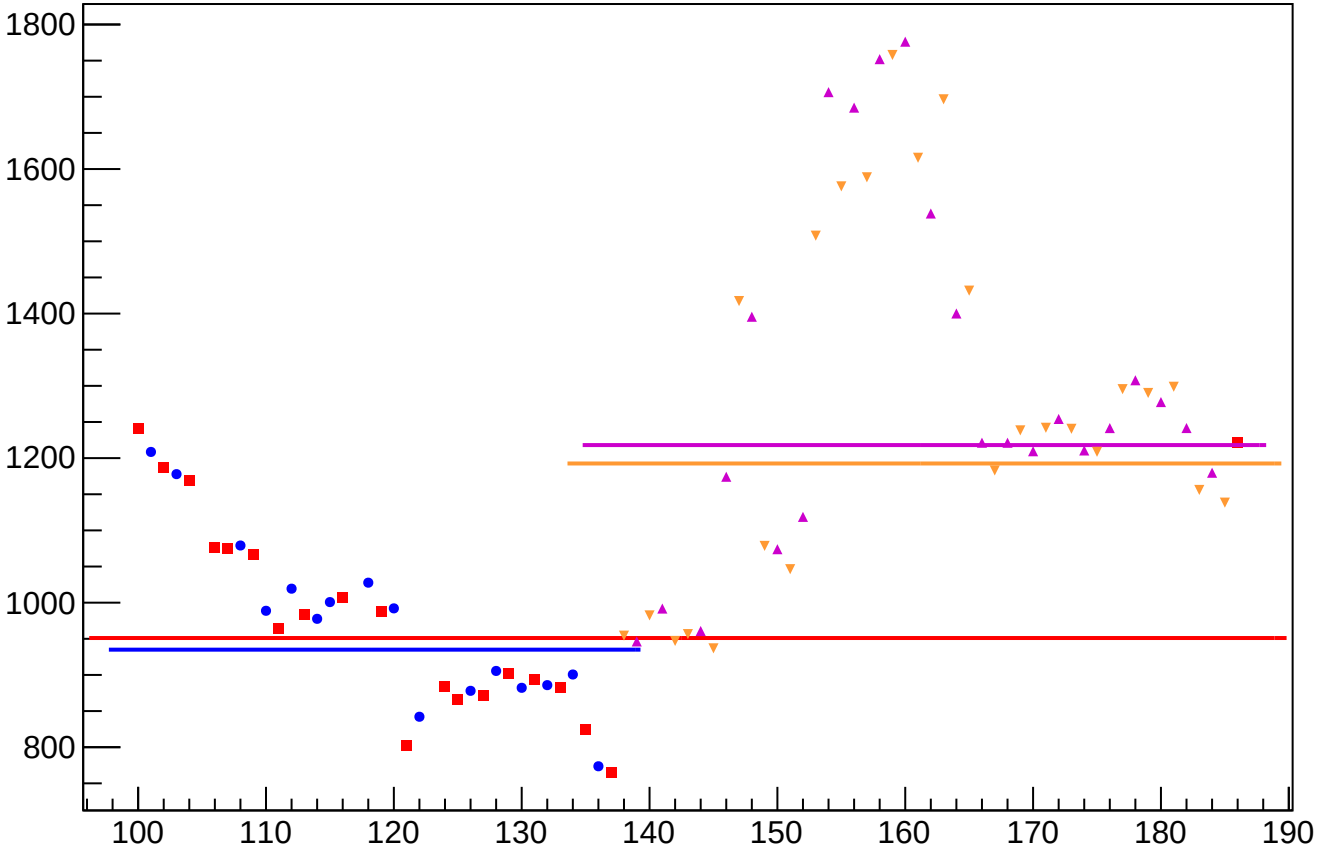
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -1.003+/-0.217 χ^2/NDF: 316.3/40

All: -0.435+/-0.155 χ^2/NDF: 943.7/83

- sign 0.153+/-0.221 χ^2/NDF: 613.5/42

diff_bpm0l10Y_rms vs Slug



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 951.083+/-0.241 χ^2/NDF: 274389.8/19

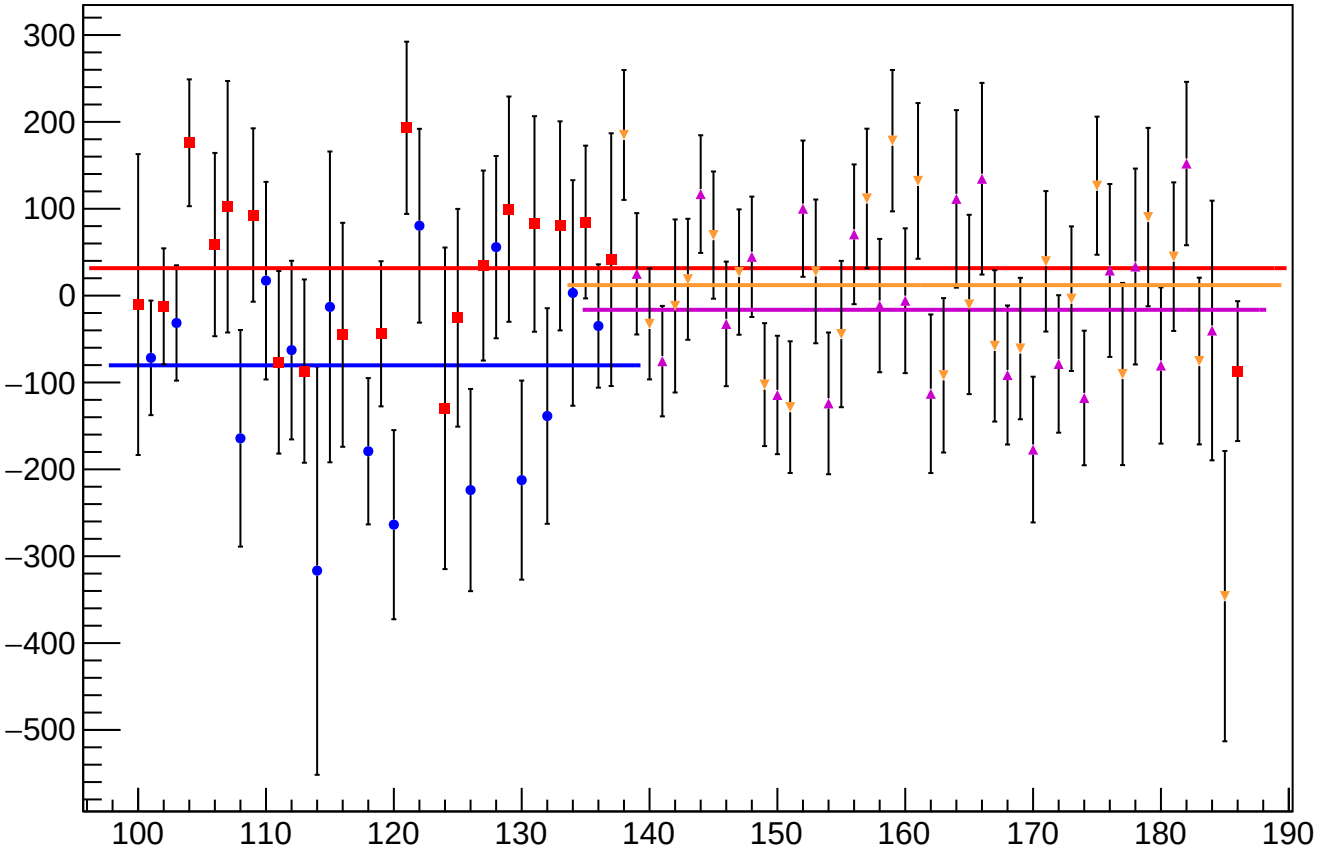
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1093.655+/-0.154 χ^2/NDF: 2240202.7/40

All: 1099.647+/-0.110 χ^2/NDF: 4357243.6/83

- sign 1105.848+/-0.156 χ^2/NDF: 2113942.9/42

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

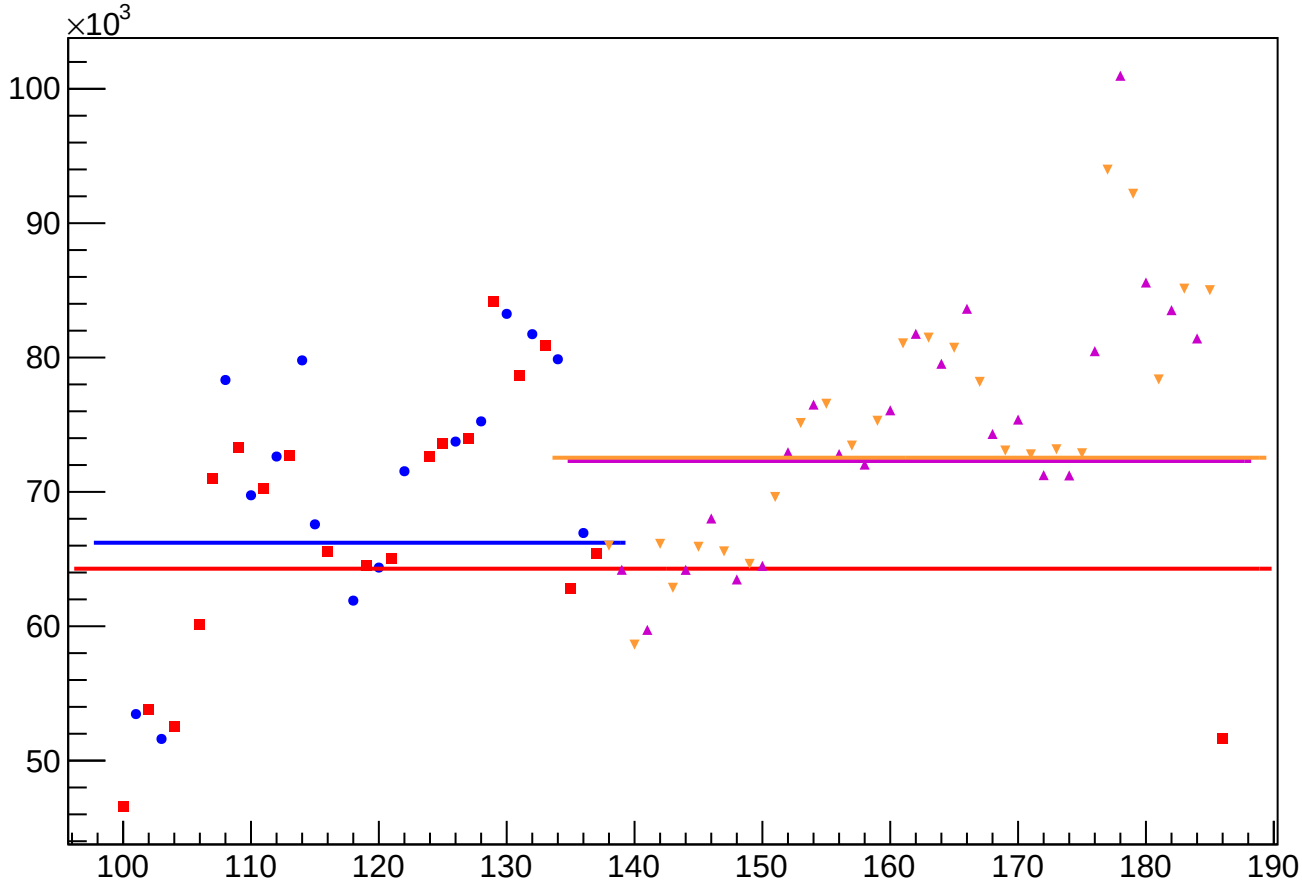
Right Out: 31.606+/-23.127 χ^2/NDF: 15.3/19

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign -16.333+/-13.818 χ^2/NDF: 57.1/40

All: -7.847+/-9.731 χ^2/NDF: 104.7/83

- sign 0.502+/-13.707 χ^2/NDF: 46.8/42



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 64284.449+/-16.353 χ^2/NDF: 358033.2/19

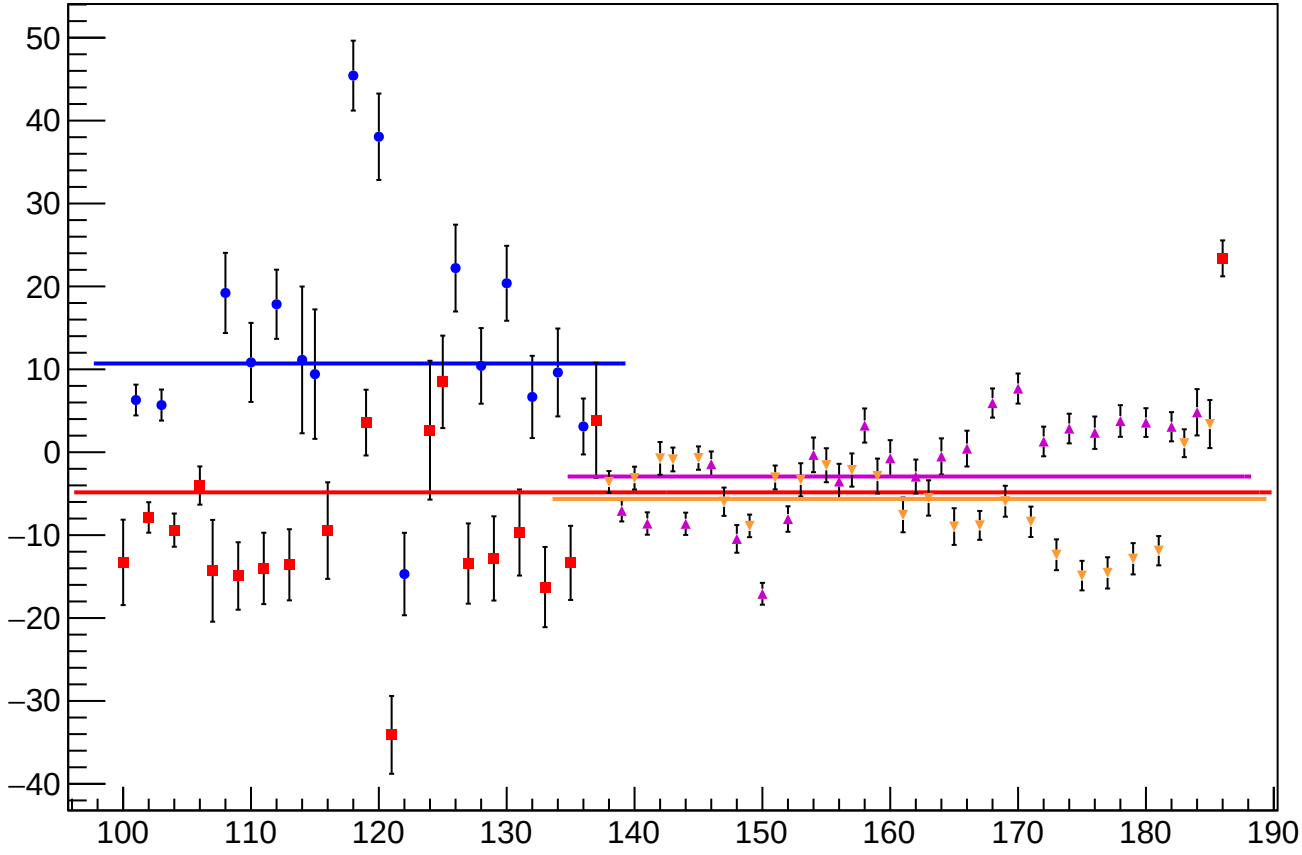
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 70596.868+/-9.771 χ^2/NDF: 927804.9/40

All: 70036.336+/-6.881 χ^2/NDF: 1937027.8/8

- sign 69484.799+/-9.692 χ^2/NDF: 1002693.6/42

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -4.839+/-0.791 χ^2/NDF: 265.3/19

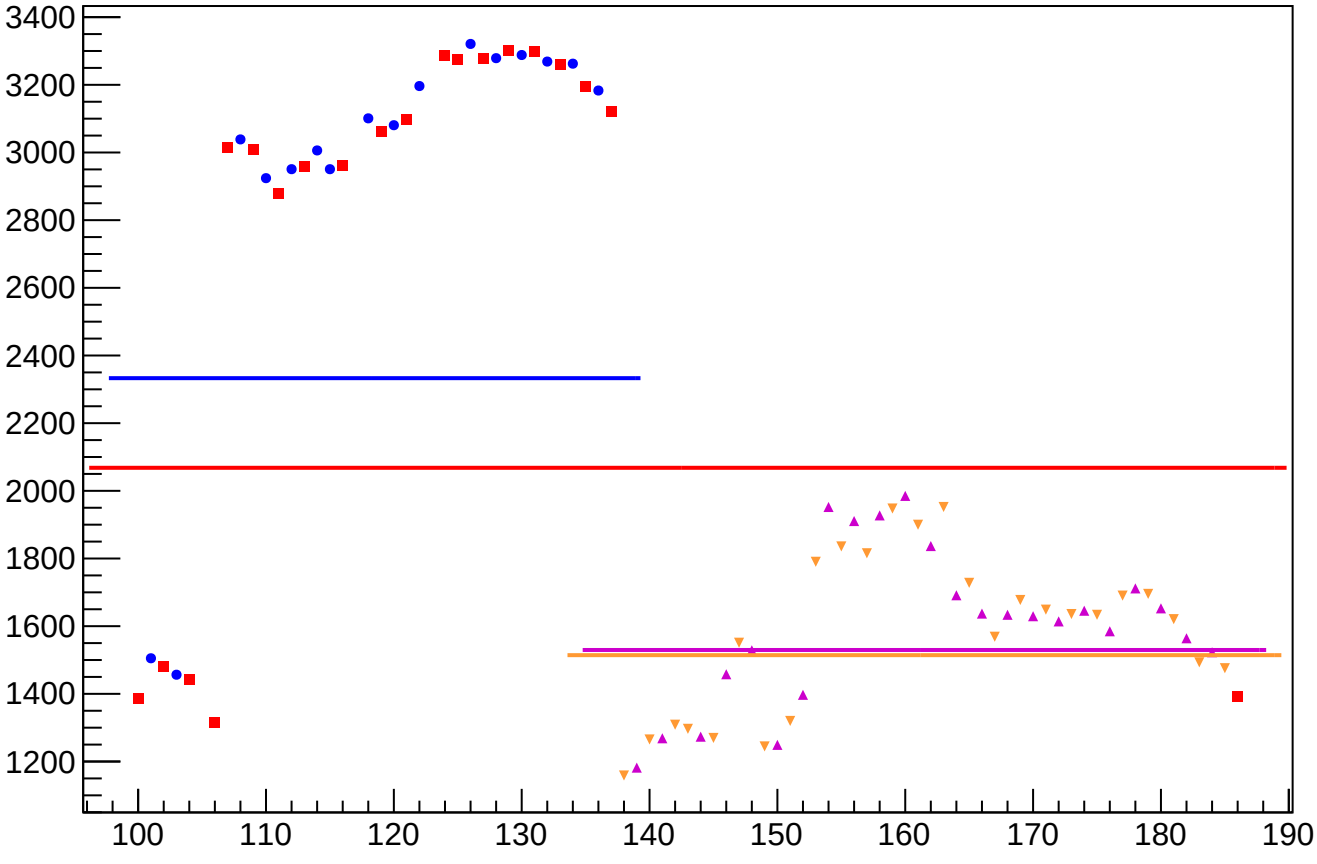
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -3.582+/-0.326 χ^2/NDF: 609.2/40

All: -3.422+/-0.232 χ^2/NDF: 1217.2/83

- sign -3.260+/-0.329 χ^2/NDF: 607.5/42

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

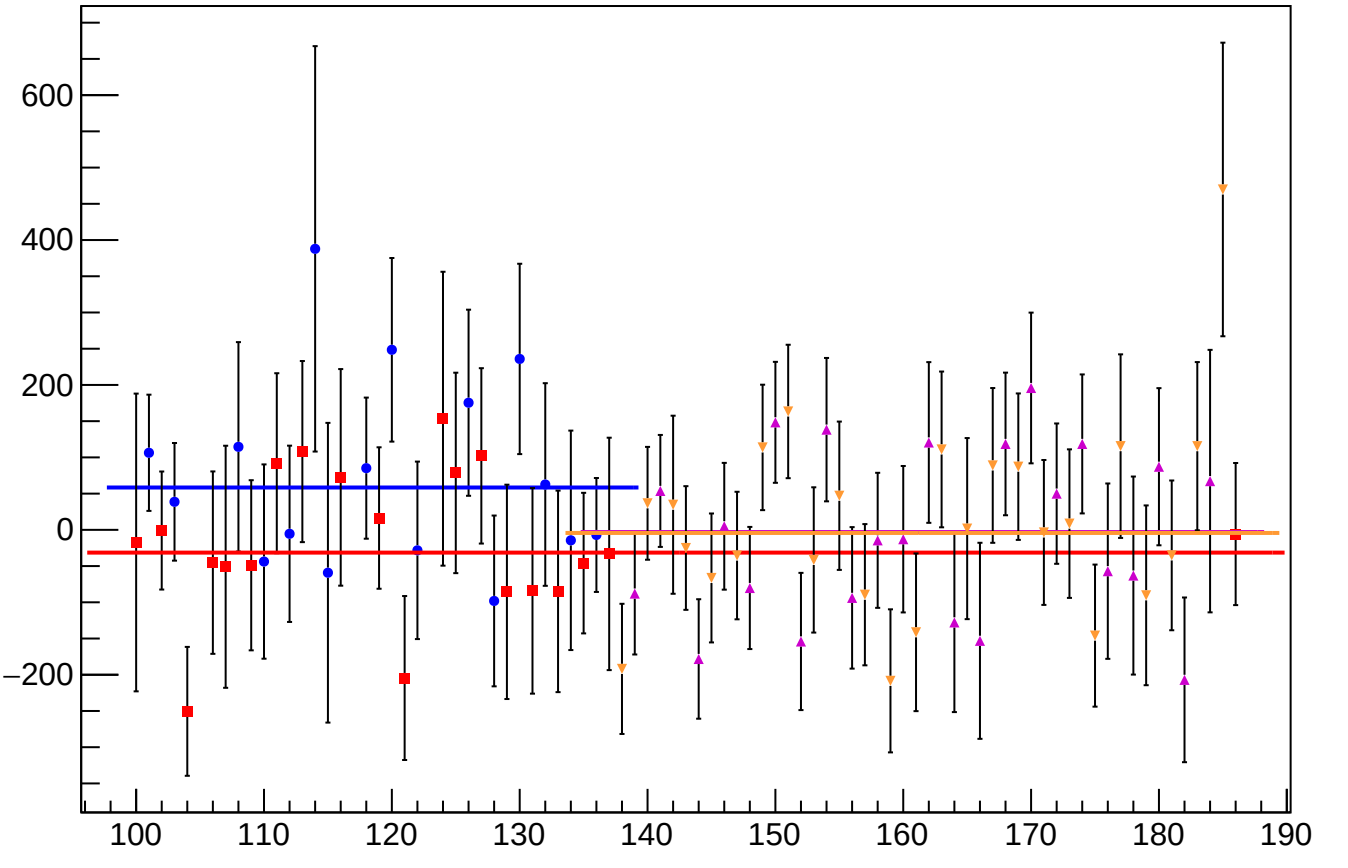
Right Out: 2068.123+/-0.560 χ^2/NDF: 2208268.3/19

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1617.235+/-0.231 χ^2/NDF: 3967784.0/40

All: 1620.052+/-0.164 χ^2/NDF: 7770347.5/83

- sign 1622.922+/-0.233 χ^2/NDF: 3802262.7/42



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

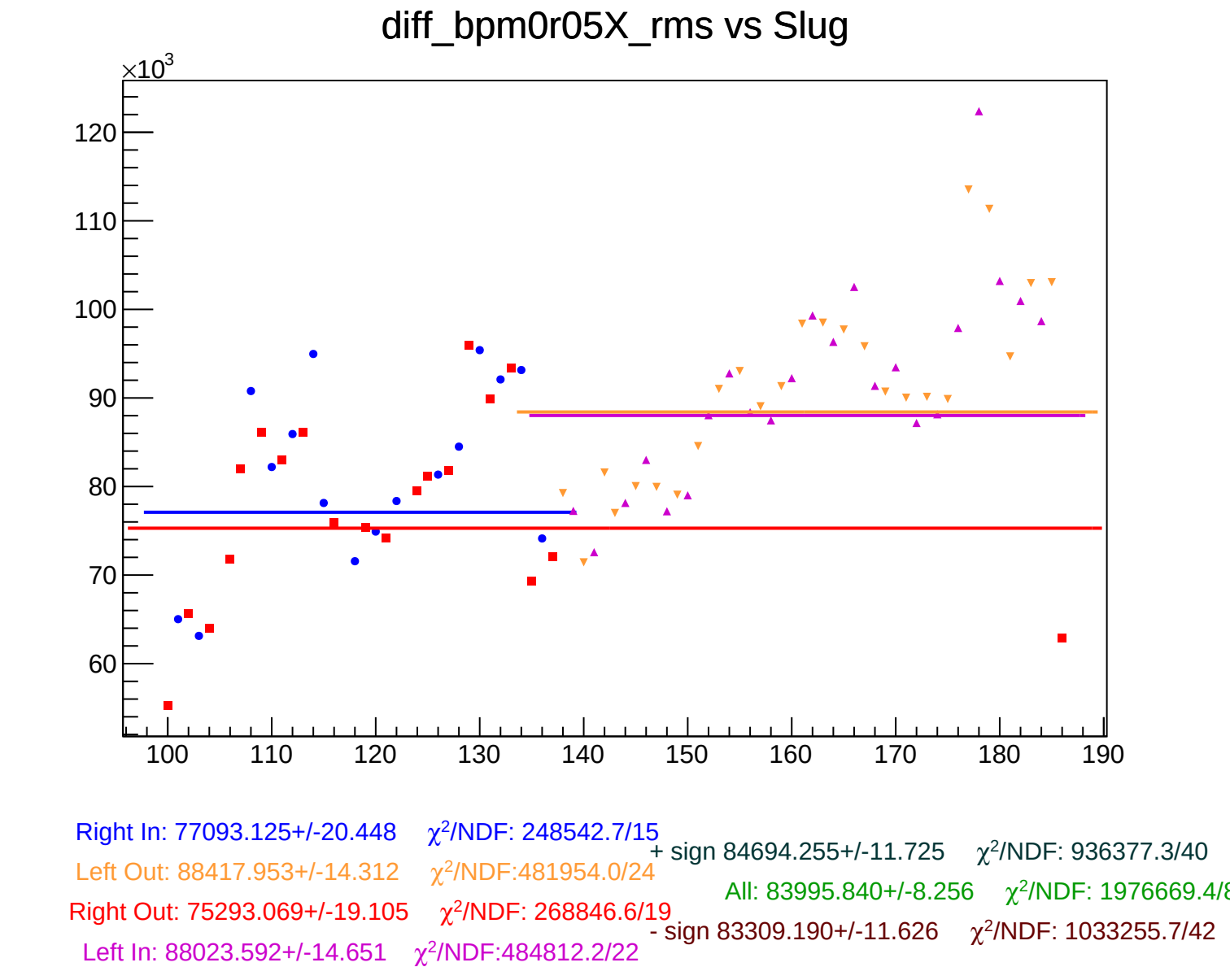
Right Out: -31.417+/-27.018 χ^2/NDF: 14.7/19

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

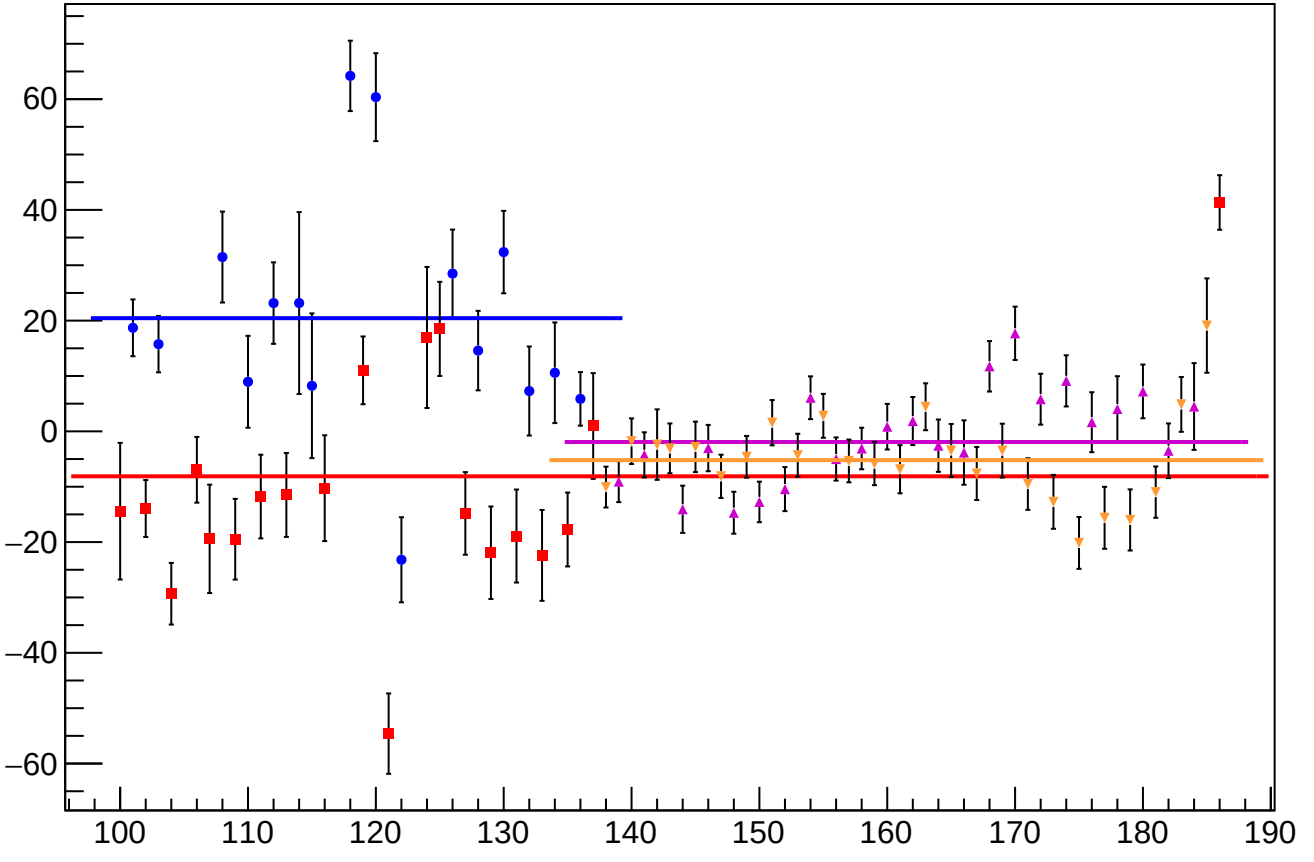
+ sign 16.349+/-16.582 χ^2/NDF: 44.9/40

All: 1.281+/-11.675 χ^2/NDF: 92.7/83

- sign -13.534+/-16.442 χ^2/NDF: 46.2/42


diff_bpm0r05X_rms vs Slug
×10^3
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
180
190
Right In: 77093.125+/-20.448 χ²/NDF: 248542.7/15
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 75293.069+/-19.105 χ²/NDF: 268846.6/19
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
+ sign 84694.255+/-11.725 χ²/NDF: 936377.3/40
All: 83995.840+/-8.256 χ²/NDF: 1976669.4/8
- sign 83309.190+/-11.626 χ²/NDF: 1033255.7/42

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -8.122+/-1.619 χ^2/NDF: 196.7/19

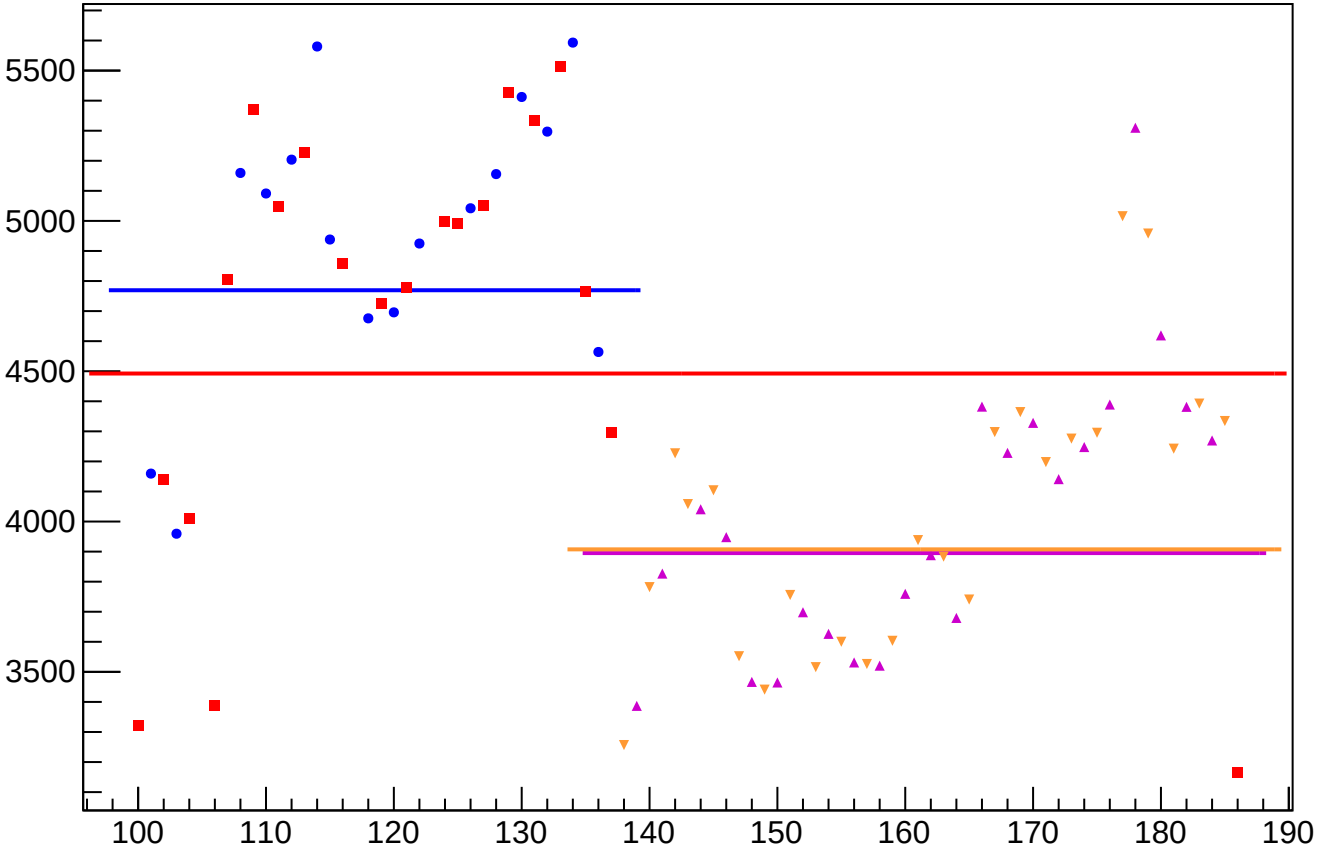
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -0.050+/-0.799 χ^2/NDF: 344.3/40

All: -1.742+/-0.564 χ^2/NDF: 644.3/83

- sign -3.428+/-0.797 χ^2/NDF: 291.0/42

diff_bpm0r05Y_rms vs Slug



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 4492.357+/-1.144 χ^2/NDF: 427908.3/19

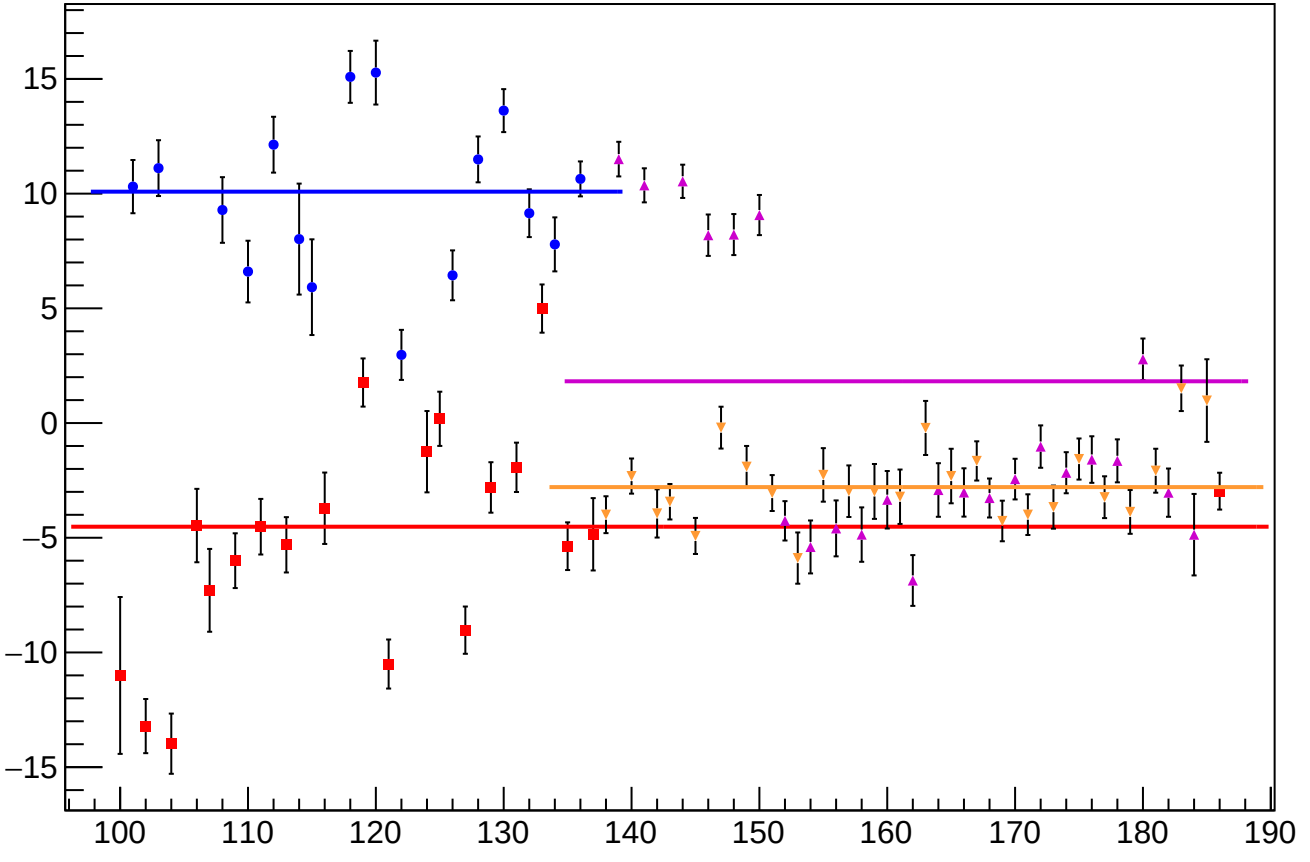
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 4080.734+/-0.565 χ^2/NDF: 966723.1/40

All: 4060.358+/-0.399 χ^2/NDF: 2013380.6/83

- sign 4040.063+/-0.564 χ^2/NDF: 1044061.1/42

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -4.519+/-0.269 χ^2/NDF: 314.4/19

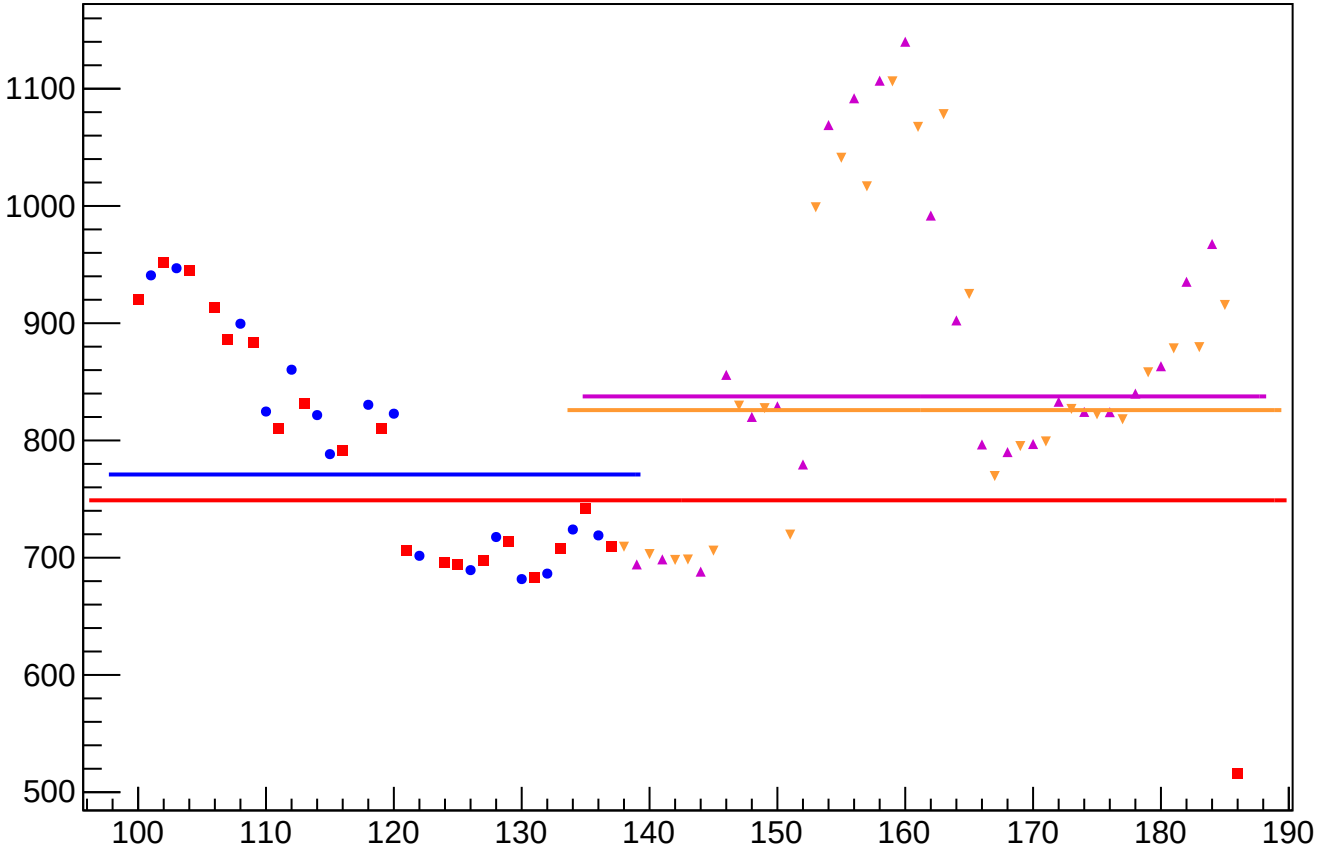
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.108+/-0.159 χ^2/NDF: 1582.8/40

All: 0.355+/-0.113 χ^2/NDF: 3328.1/83

- sign -0.407+/-0.160 χ^2/NDF: 1700.0/42

diff_bpm2i01X_rms vs Slug



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 748.939+/-0.190 χ^2/NDF: 385649.6/19

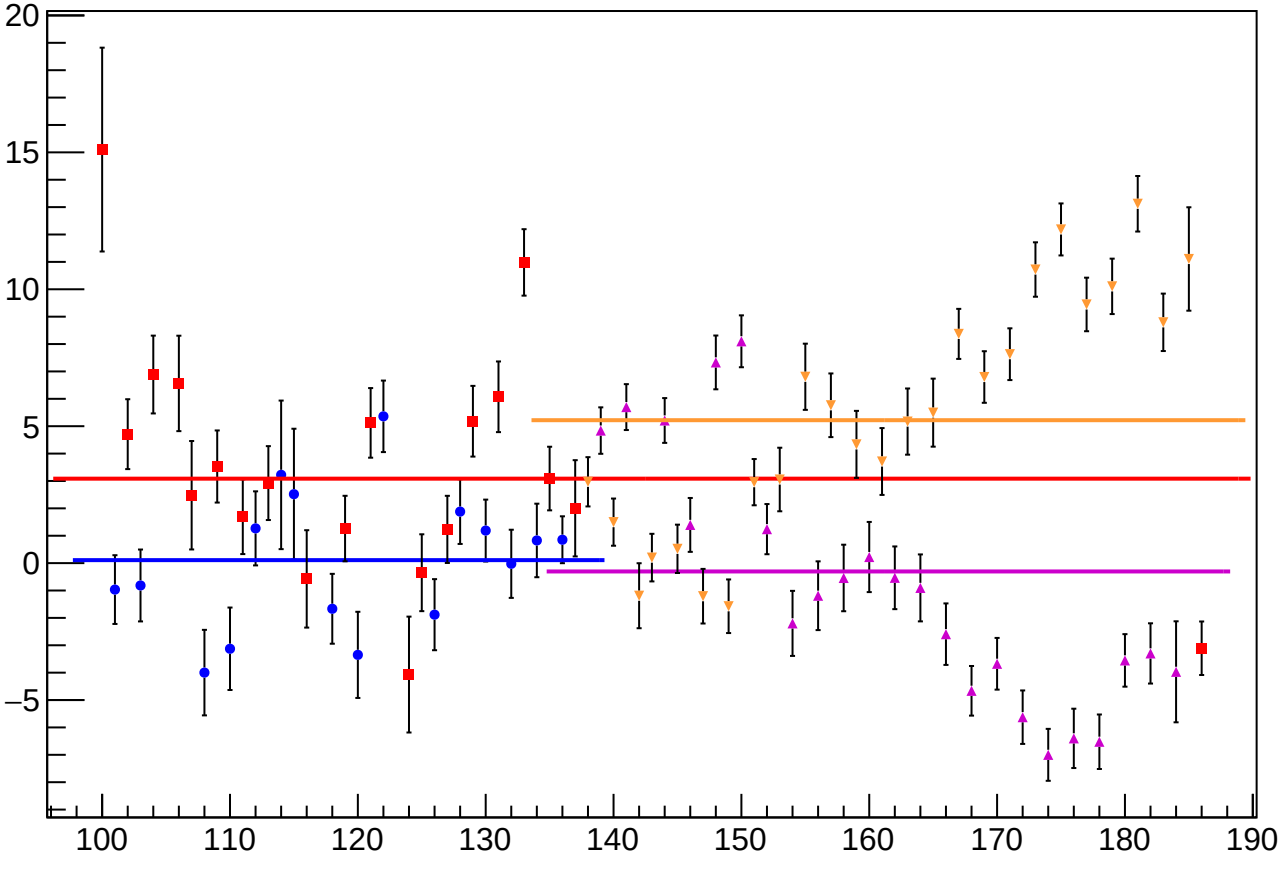
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

\+ sign 809.253+/-0.112 χ^2/NDF: 1008514.5/40

All: 807.847+/-0.080 χ^2/NDF: 2249217.0/83

\- sign 806.425+/-0.113 χ^2/NDF: 1240386.6/42

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

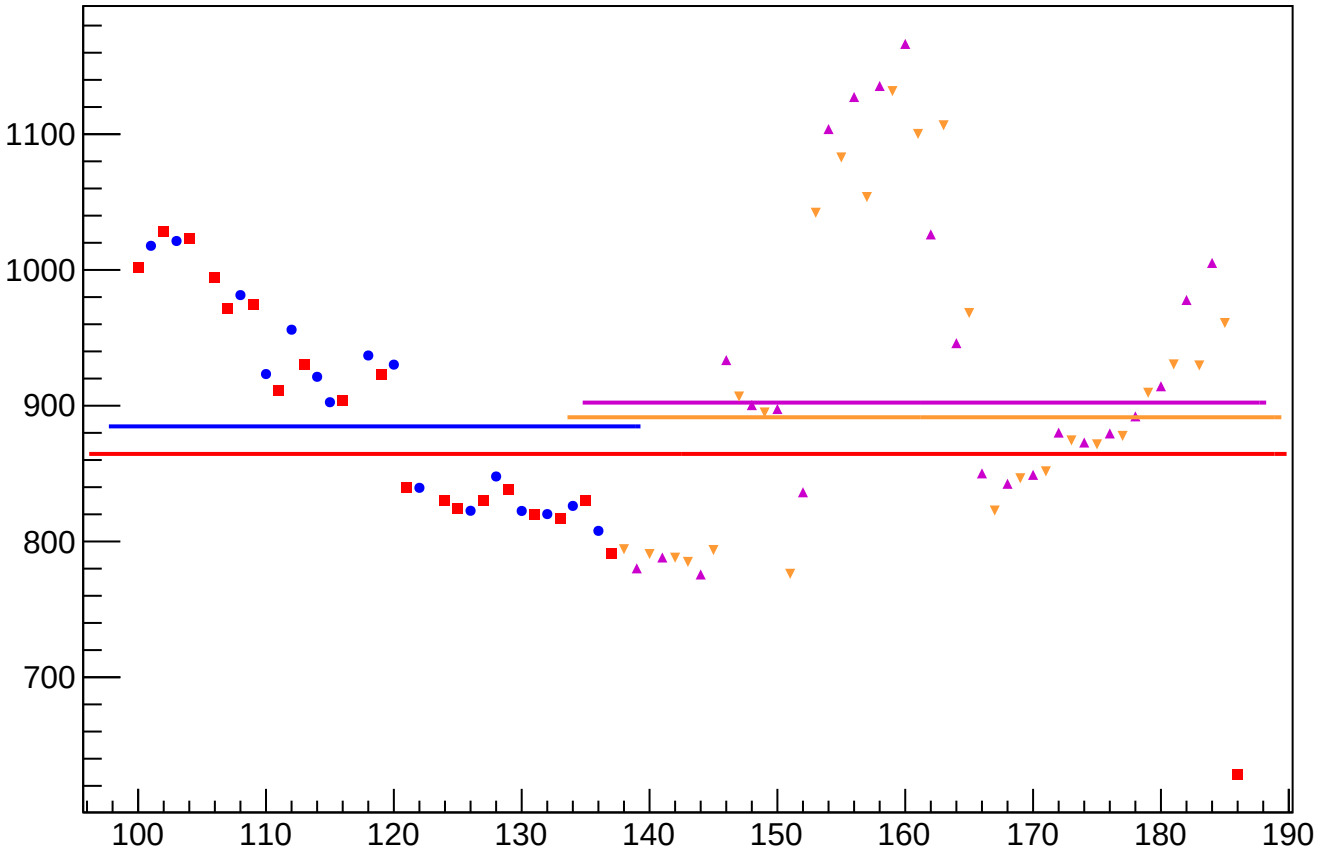
Right Out: 3.084+/-0.309 χ^2/NDF: 144.2/19

Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

\+ sign 3.802+/-0.174 χ^2/NDF: 668.7/40

All: 2.306+/-0.123 χ^2/NDF: 1539.3/83

\- sign 0.783+/-0.175 χ^2/NDF: 720.9/42



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 864.493+/-0.219 χ^2/NDF: 237852.6/19

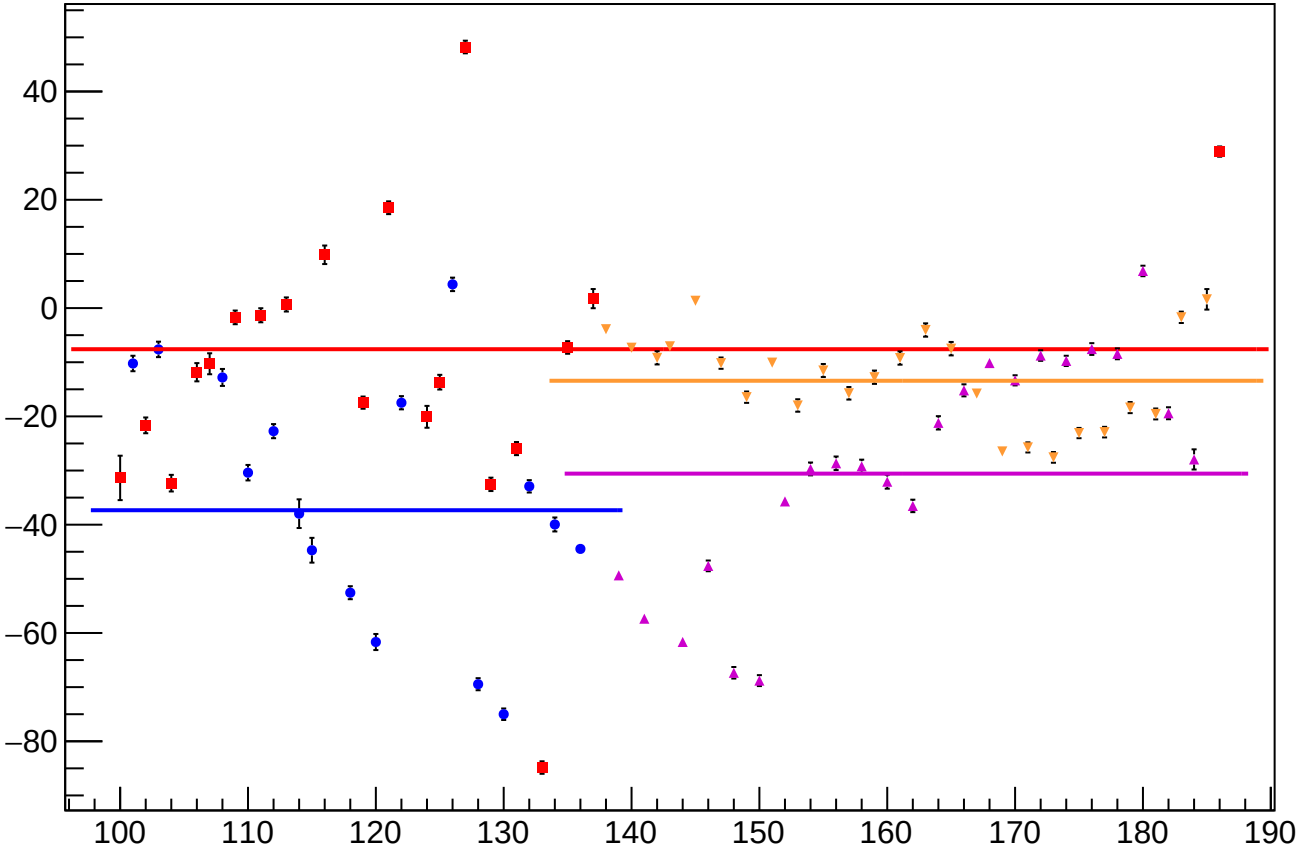
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 889.628+/-0.123 χ^2/NDF: 622885.2/40

All: 889.891+/-0.087 χ^2/NDF: 1365953.5/83

- sign 890.159+/-0.124 χ^2/NDF: 743059.1/42

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -7.594+/-0.301 χ^2/NDF: 10115.9/19

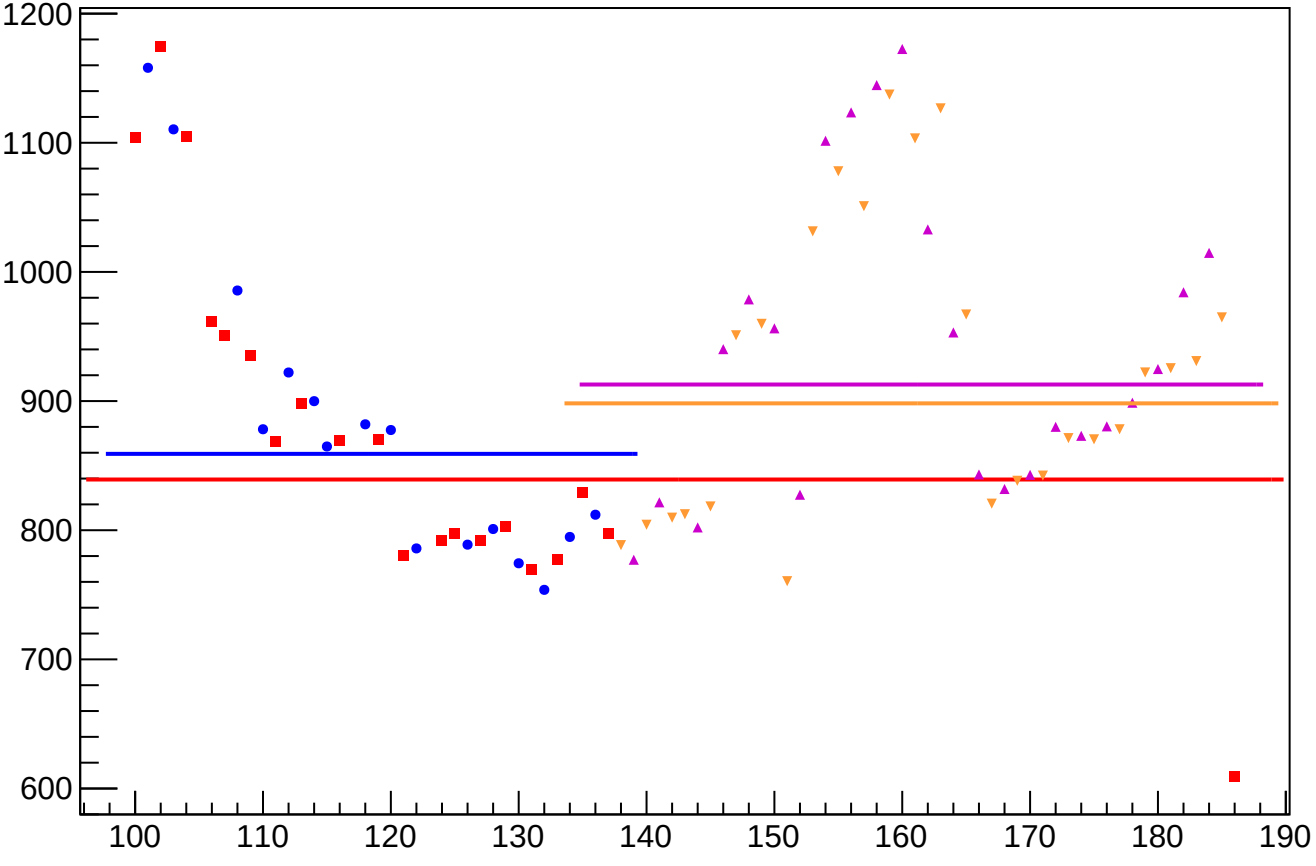
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -20.370+/-0.173 χ^2/NDF: 10765.5/40

All: -21.580+/-0.123 χ^2/NDF: 35216.1/83

- sign -22.814+/-0.175 χ^2/NDF: 24352.3/42

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 839.267+/-0.213 χ^2/NDF: 355231.5/19

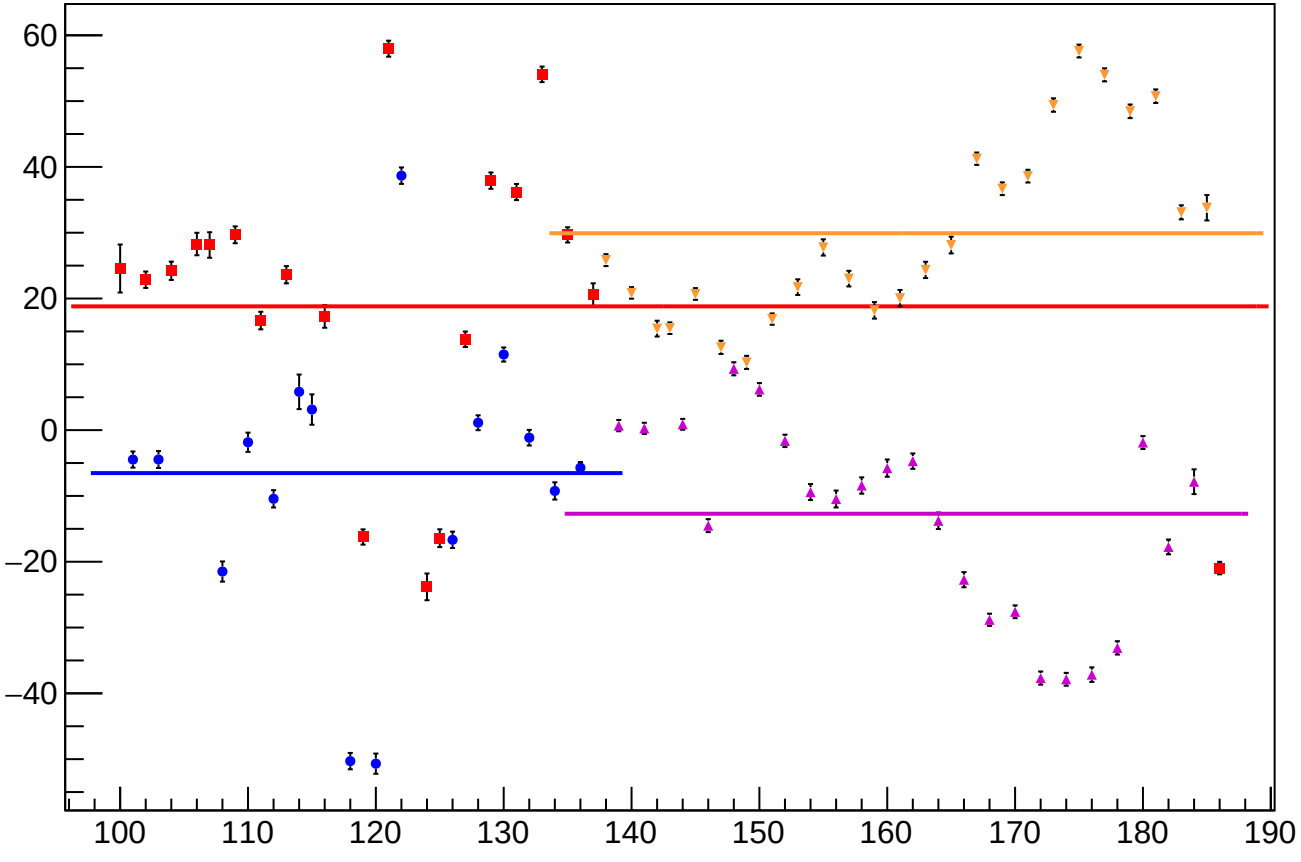
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 886.862+/-0.123 χ^2/NDF: 768034.6/40

All: 887.418+/-0.087 χ^2/NDF: 1682221.7/83

- sign 887.985+/-0.124 χ^2/NDF: 914145.6/42

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 18.809+/-0.301 χ^2/NDF: 6420.4/19

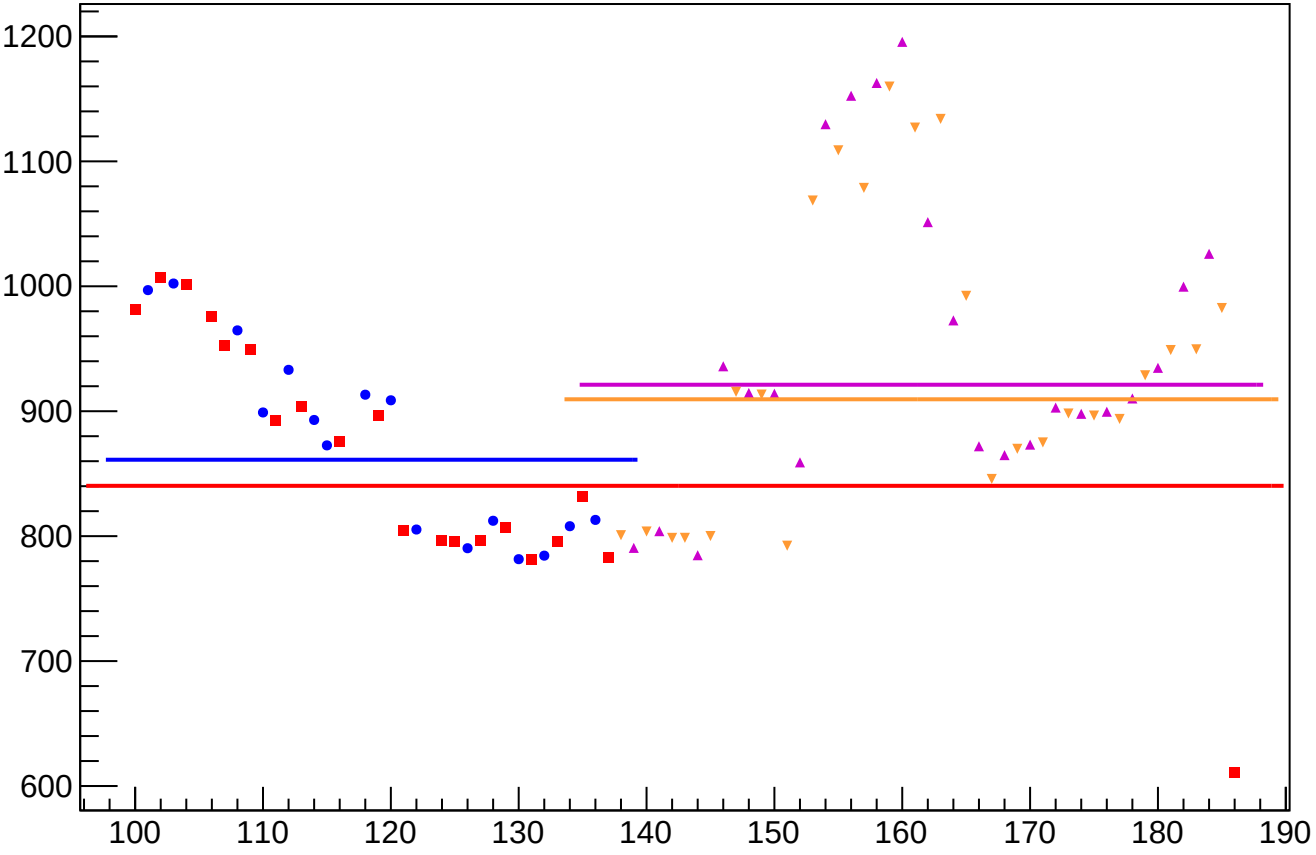
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 19.111+/-0.175 χ^2/NDF: 17585.8/40

All: 8.669+/-0.124 χ^2/NDF: 43191.8/83

- sign -1.907+/-0.176 χ^2/NDF: 18432.5/42

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

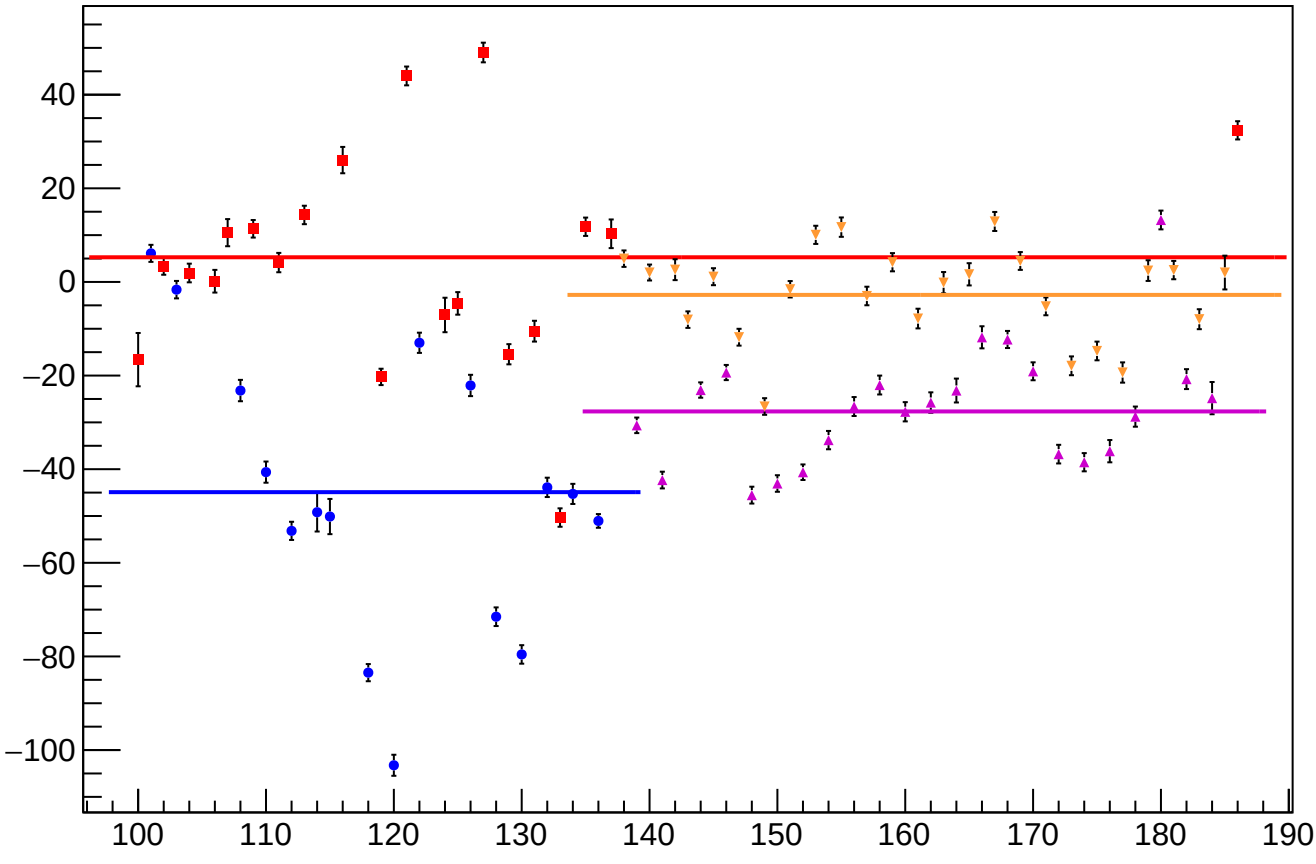
Right Out: 840.283+/-0.213 χ^2/NDF: 248680.7/19

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 895.202+/-0.124 χ^2/NDF: 687161.7/40

All: 894.341+/-0.088 χ^2/NDF: 1528464.7/83

- sign 893.468+/-0.124 χ^2/NDF: 841205.3/42



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 5.270+/-0.493 χ^2/NDF: 2309.3/19

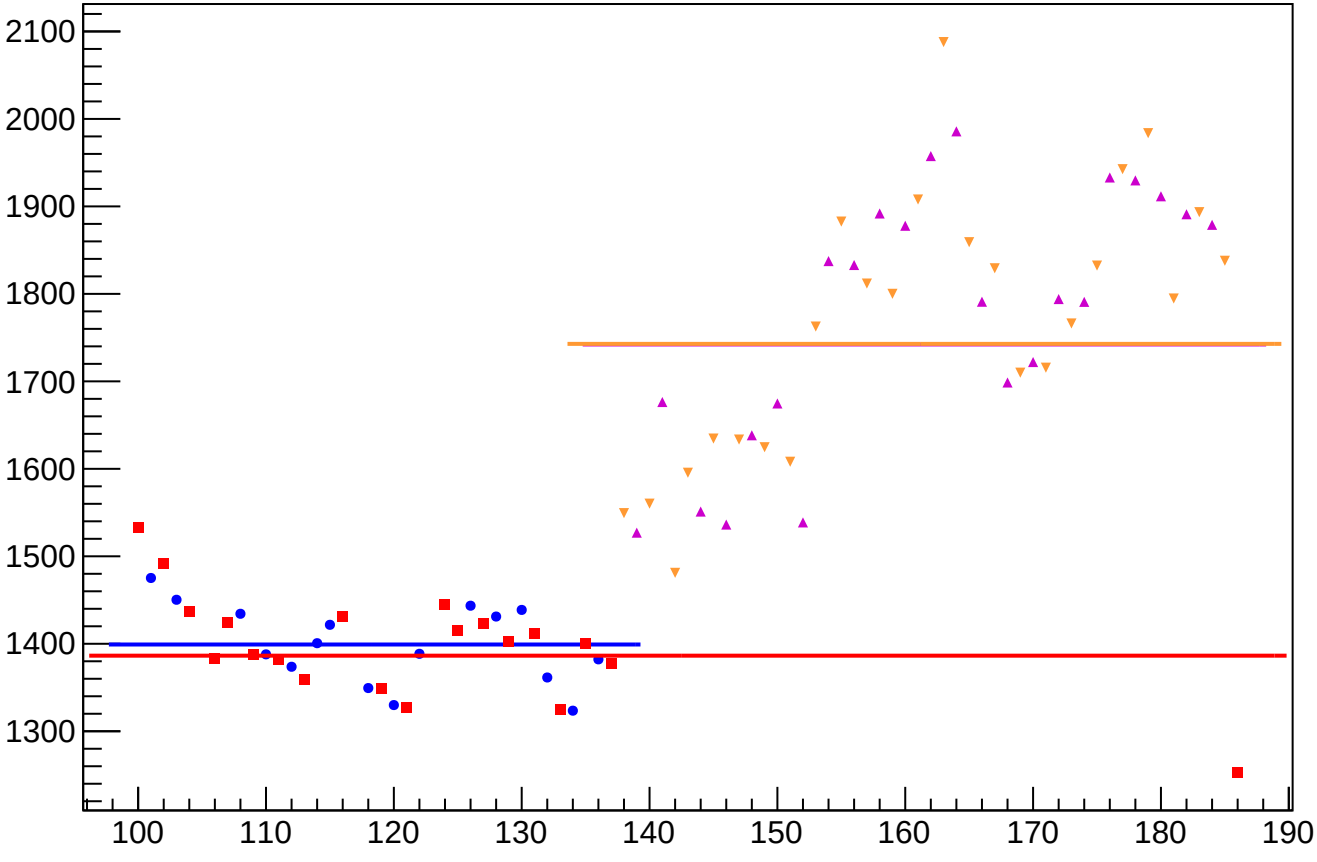
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

+ sign -18.308+/-0.316 χ^2/NDF: 8140.0/40

All: -16.264+/-0.223 χ^2/NDF: 14169.9/83

- sign -14.235+/-0.315 χ^2/NDF: 5946.4/42

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1386.408+/-0.348 χ^2/NDF: 26307.9/19

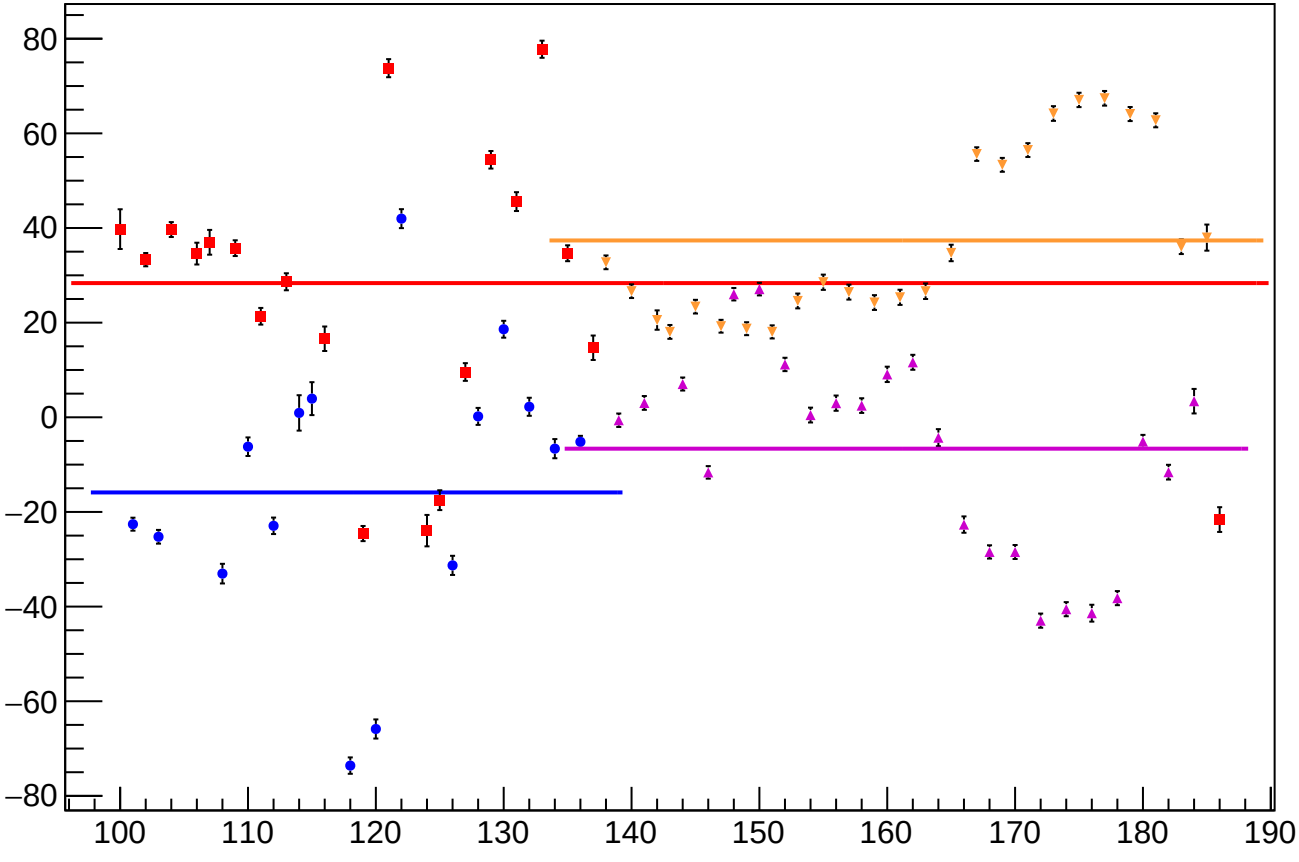
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1616.093+/-0.223 χ^2/NDF: 829580.0/40

All: 1606.561+/-0.158 χ^2/NDF: 1738905.0/83

- sign 1597.100+/-0.222 χ^2/NDF: 905692.5/42

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 28.358+/-0.438 χ^2/NDF: 4056.7/19

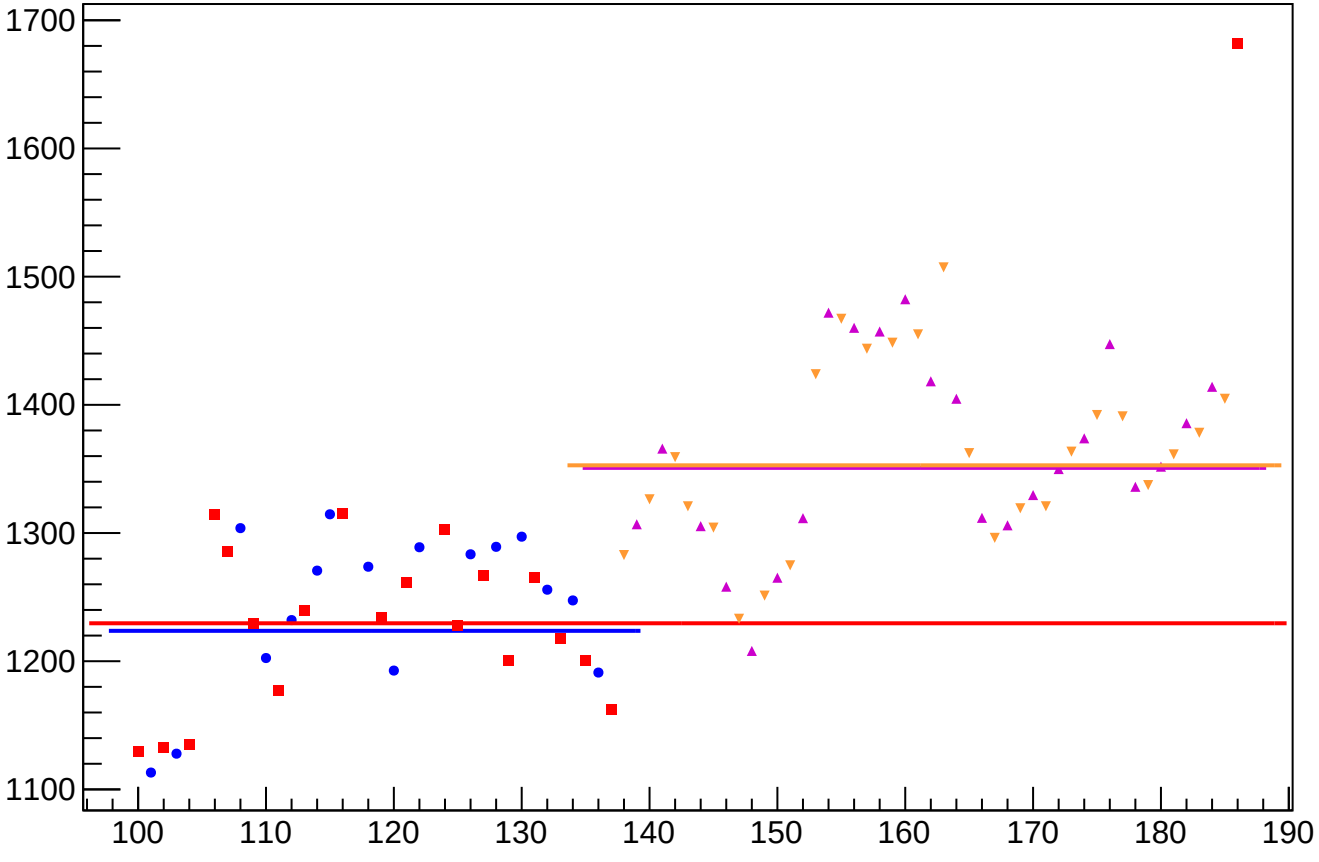
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 20.659+/-0.255 χ^2/NDF: 16260.9/40

All: 13.042+/-0.181 χ^2/NDF: 30716.6/83

- sign 5.347+/-0.256 χ^2/NDF: 12662.4/42

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1229.597+/-0.310 χ^2/NDF: 91006.4/19

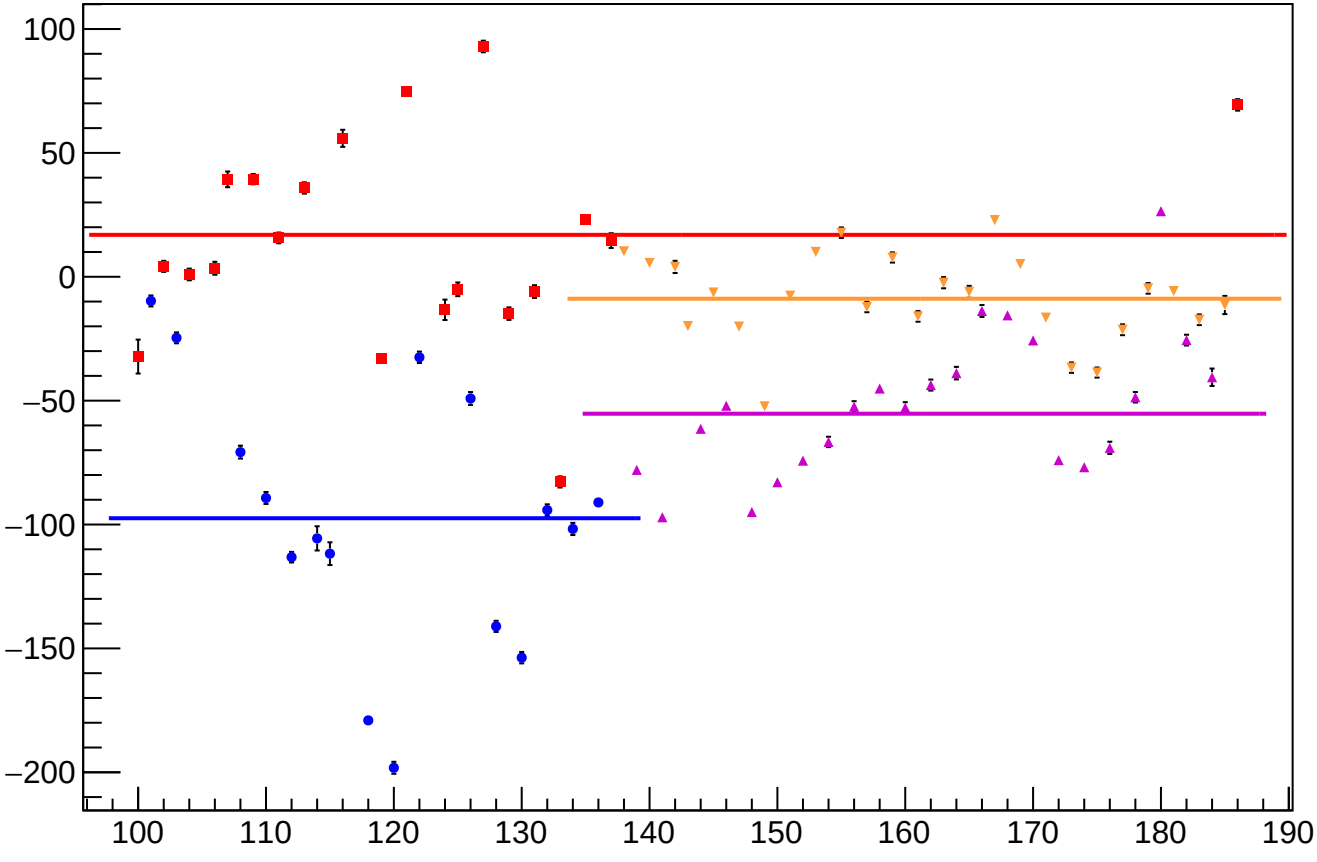
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1312.301+/-0.180 χ^2/NDF: 256127.0/40

All: 1310.821+/-0.128 χ^2/NDF: 556615.9/83

- sign 1309.326+/-0.181 χ^2/NDF: 300353.5/42

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 16.930+/-0.550 χ^2/NDF: 5892.9/19

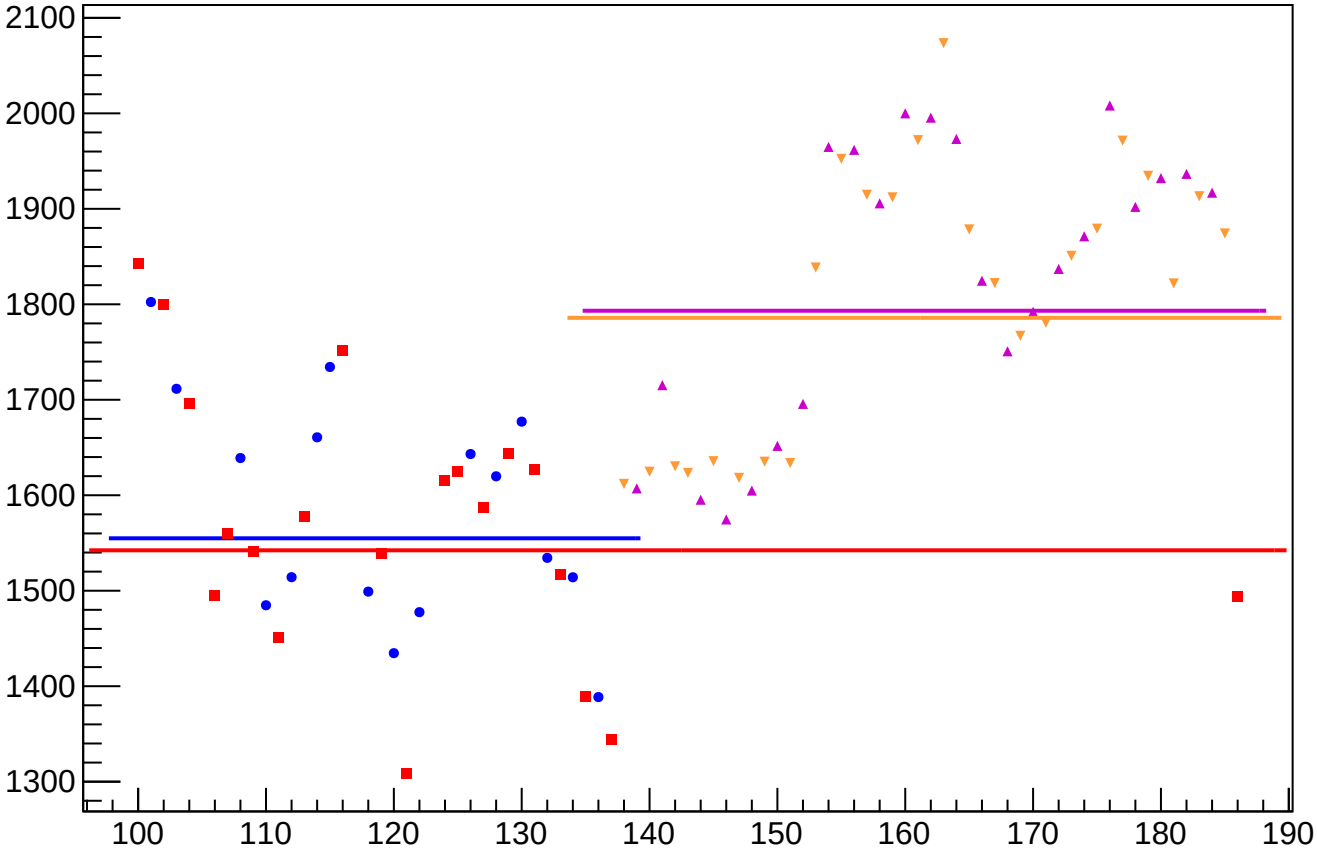
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -38.147+/-0.333 χ^2/NDF: 25904.1/40

All: -33.390+/-0.236 χ^2/NDF: 47827.1/83

- sign -28.610+/-0.334 χ^2/NDF: 21514.1/42

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1542.340+/-0.389 χ^2/NDF: 109726.8/19

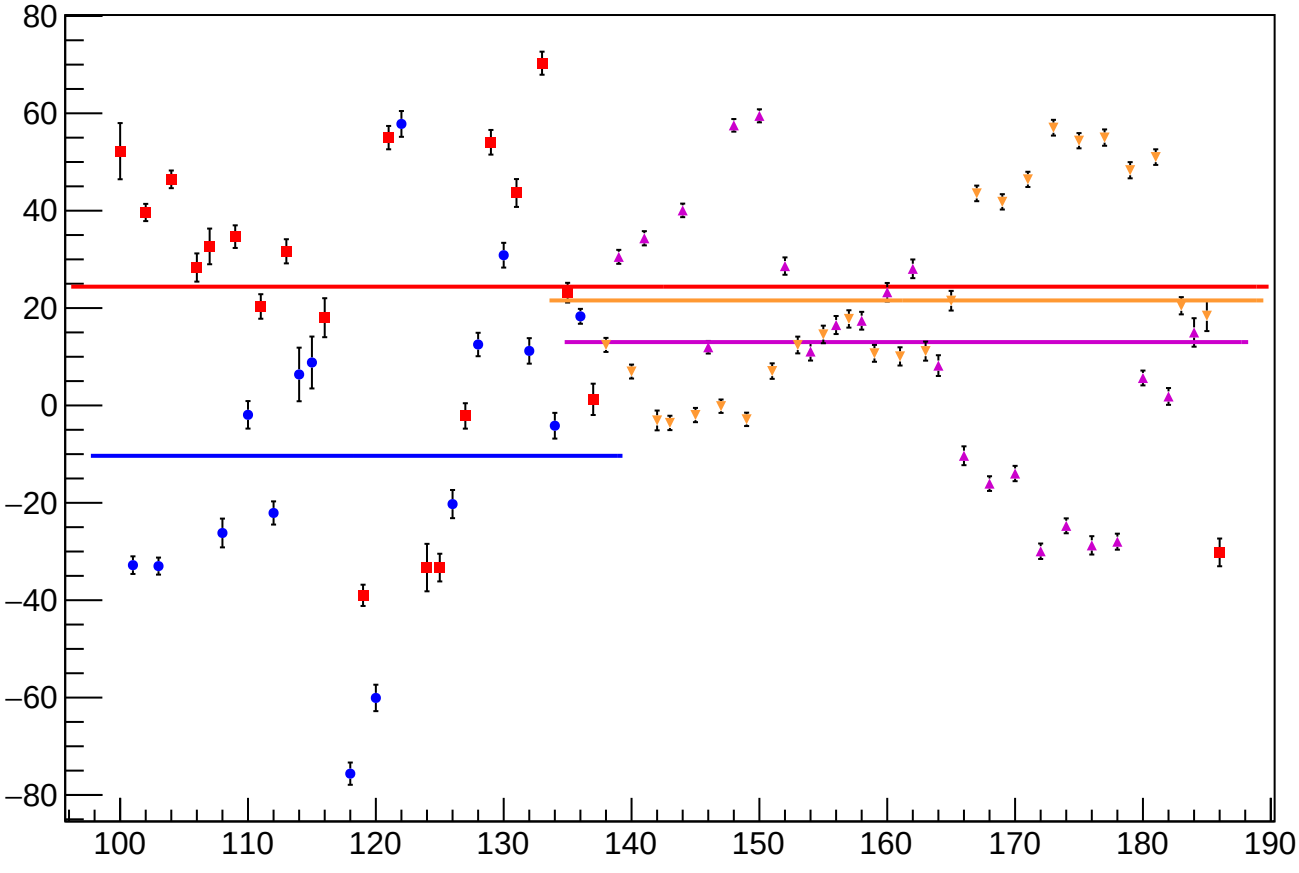
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1709.496+/-0.236 χ^2/NDF: 537821.3/40

All: 1705.063+/-0.167 χ^2/NDF: 1163989.1/83

- sign 1700.608+/-0.236 χ^2/NDF: 625457.8/42

diff_bpm0i02aY_mean vs Slug



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 24.395+/-0.574 χ^2/NDF: 2923.6/19

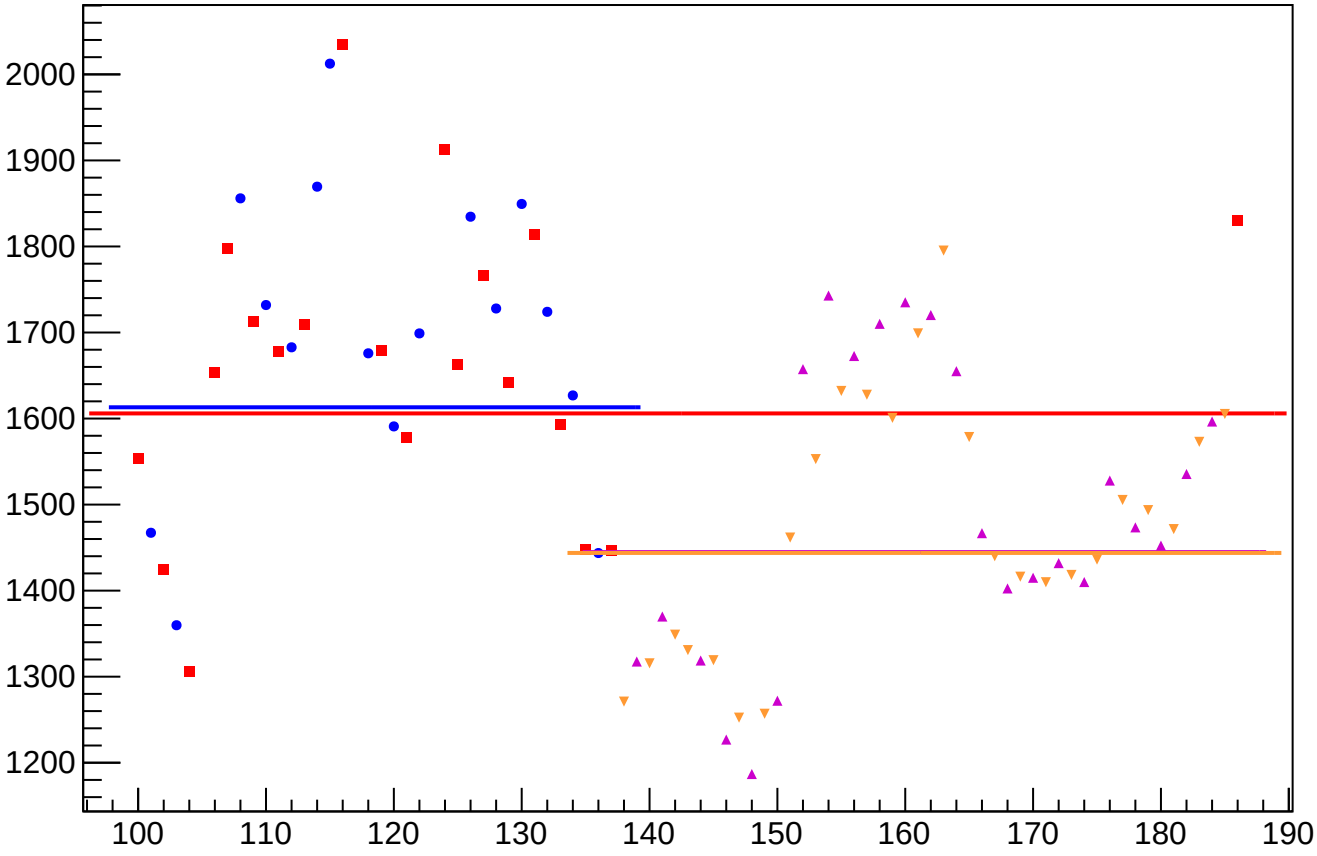
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 14.217+/-0.289 χ^2/NDF: 9322.4/40

All: 15.083+/-0.206 χ^2/NDF: 19182.2/83

- sign 15.968+/-0.293 χ^2/NDF: 9841.7/42

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1605.959+/-0.406 χ^2/NDF: 173668.6/19

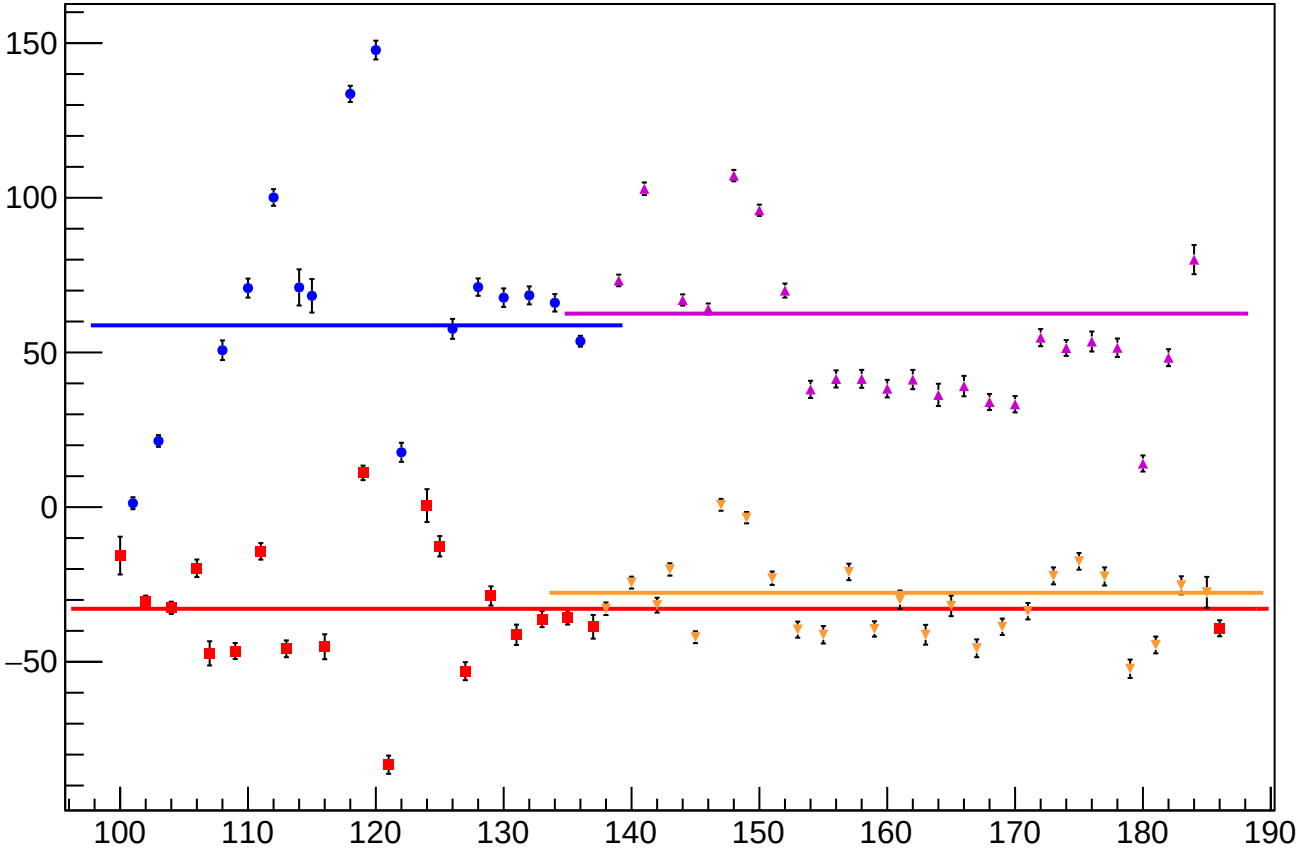
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1482.809+/-0.205 χ^2/NDF: 628354.7/40

All: 1484.706+/-0.146 χ^2/NDF: 1404012.8/83

- sign 1486.643+/-0.207 χ^2/NDF: 775484.6/42

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -32.859+/-0.629 χ^2/NDF: 937.1/19

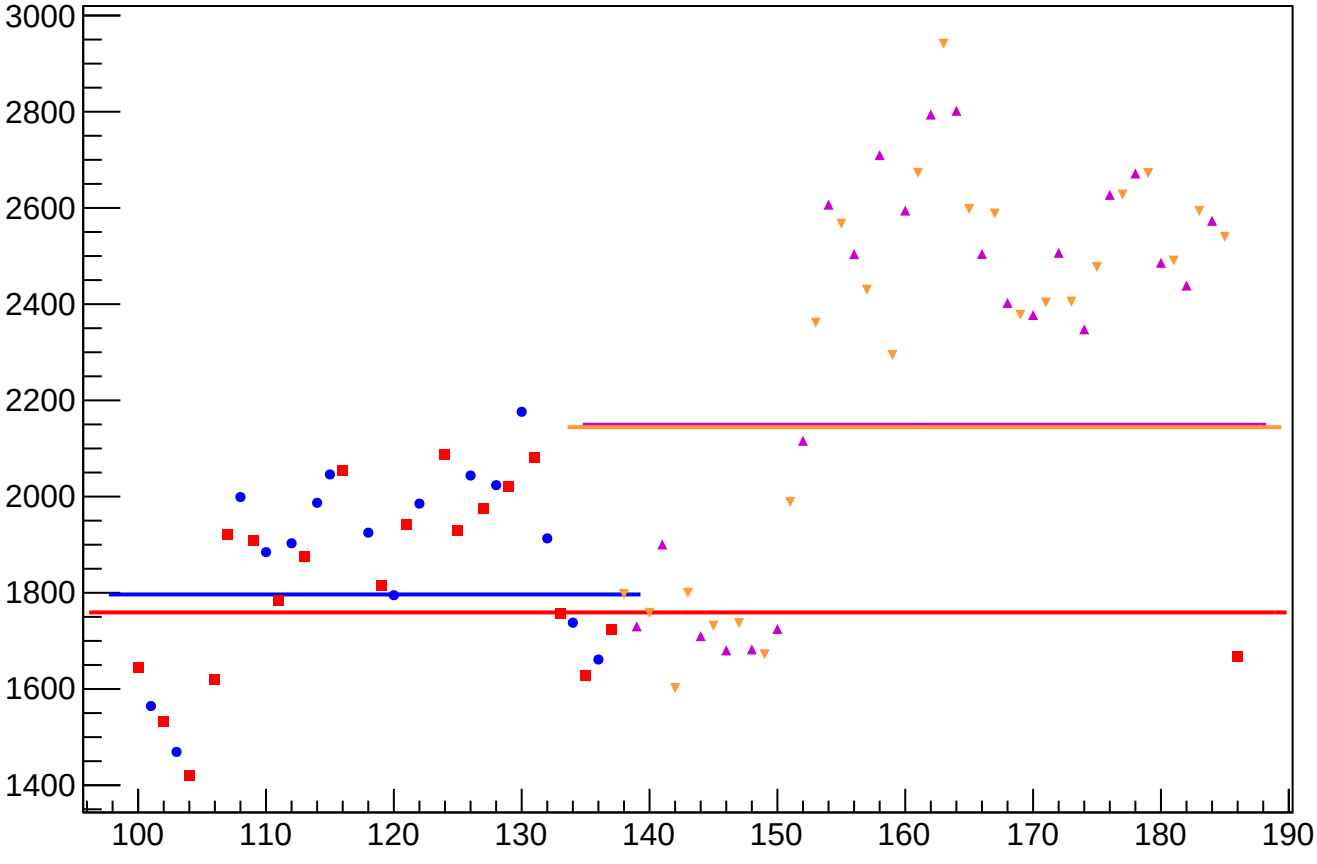
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 2.772+/-0.399 χ^2/NDF: 14913.8/40

All: 13.727+/-0.281 χ^2/NDF: 33650.5/83

- sign 24.562+/-0.397 χ^2/NDF: 17238.6/42

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1759.210+/-0.445 χ^2/NDF: 192573.9/19

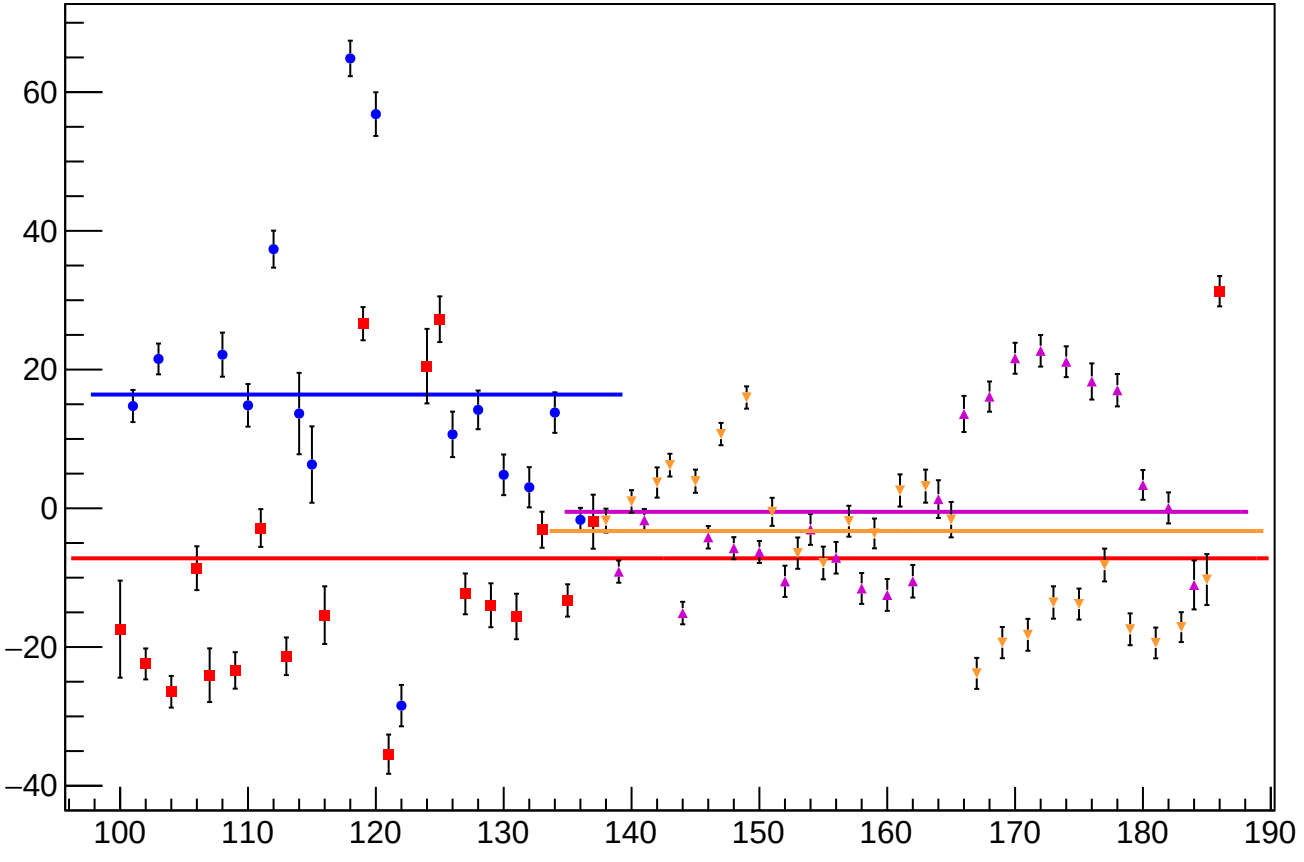
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 2021.709+/-0.282 χ^2/NDF: 1819242.7/40

All: 2007.777+/-0.199 χ^2/NDF: 3745269.5/83

- sign 1993.997+/-0.281 χ^2/NDF: 1921180.7/42

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -7.209+/-0.646 χ^2/NDF: 982.2/19

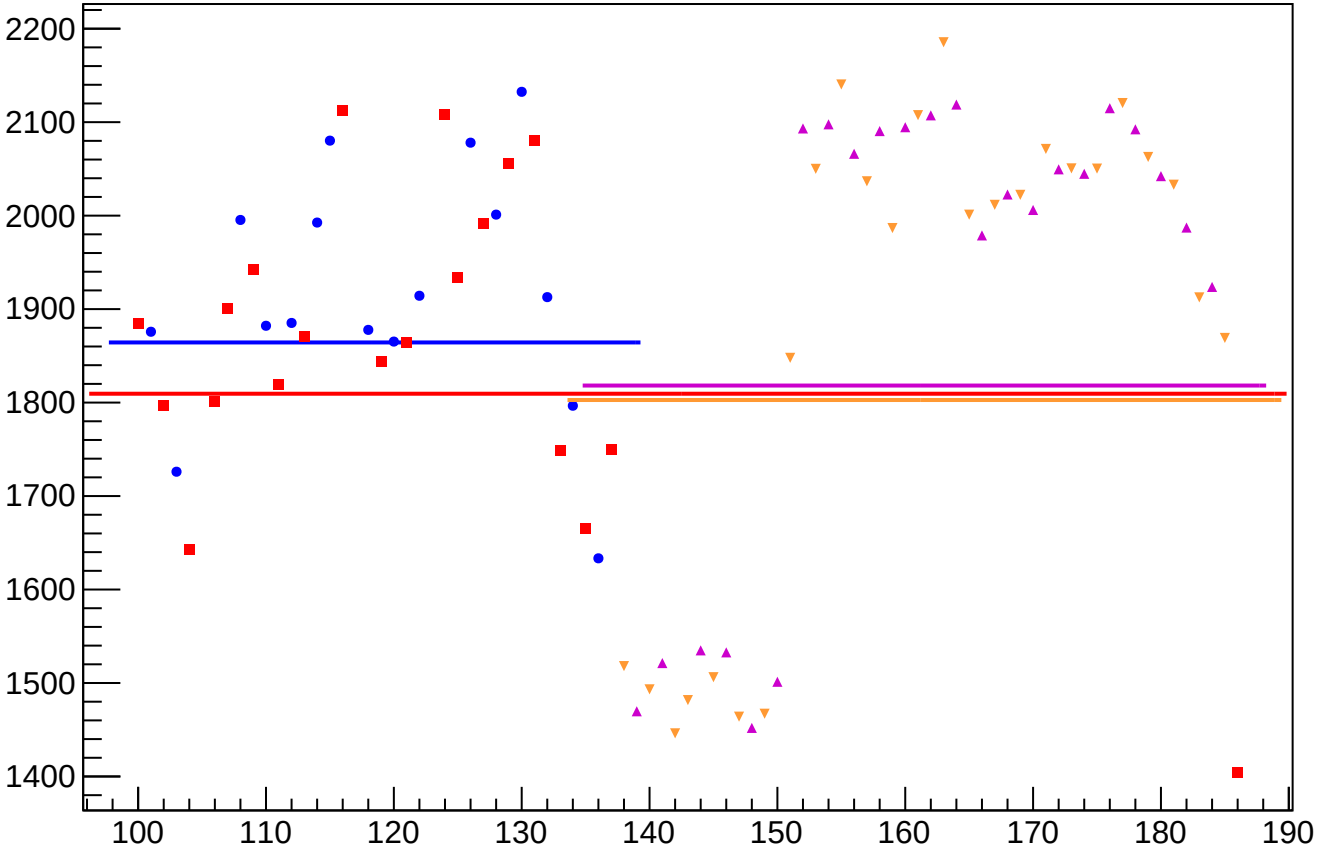
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

\+ sign 1.890+/-0.356 χ^2/NDF: 2235.2/40

All: -0.327+/-0.252 χ^2/NDF: 4115.6/83

\- sign -2.566+/-0.358 χ^2/NDF: 1802.5/42

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1809.475+/-0.457 χ^2/NDF: 150293.3/19

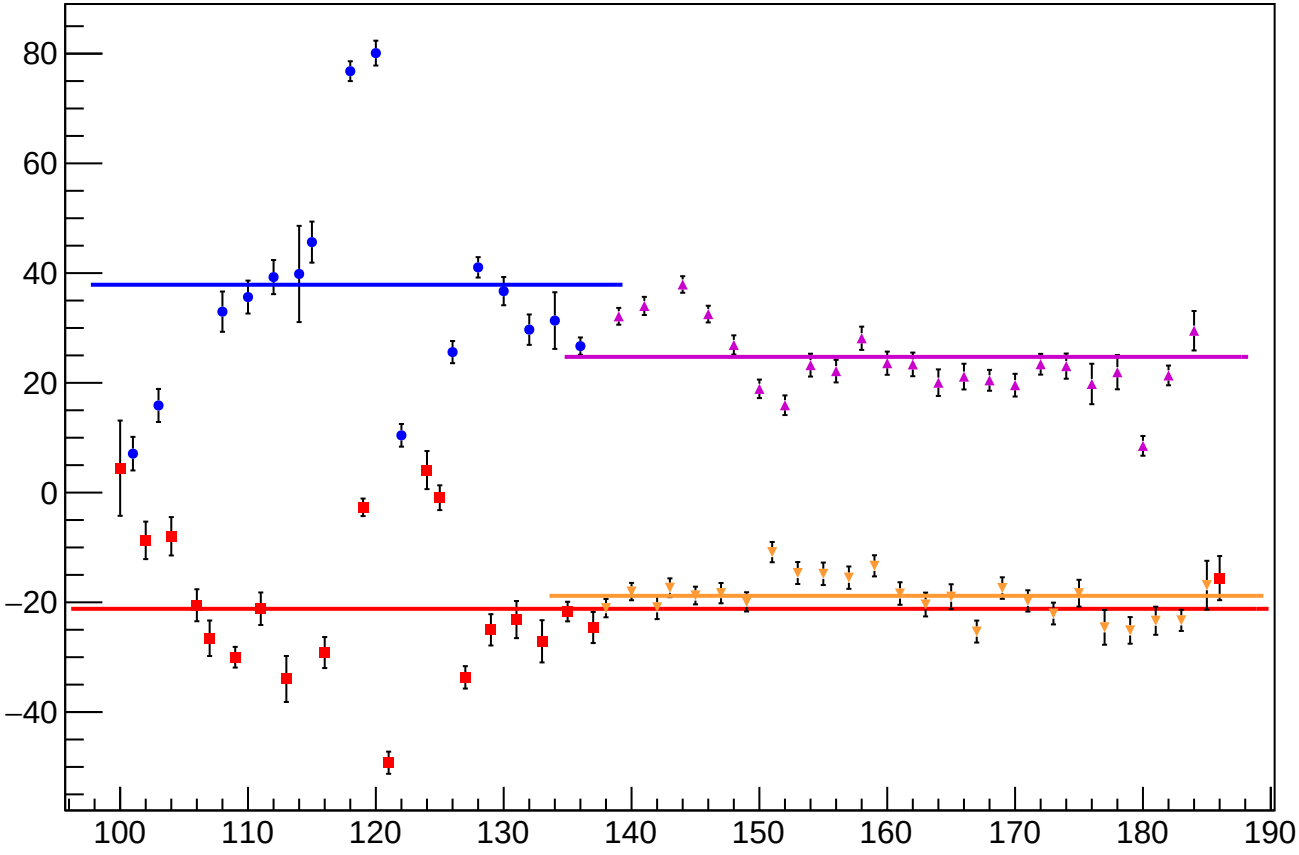
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1818.916+/-0.252 χ^2/NDF: 992269.7/40

All: 1817.237+/-0.178 χ^2/NDF: 1983259.7/83

- sign 1815.541+/-0.253 χ^2/NDF: 990900.7/42

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -21.184+/-0.587 χ^2/NDF: 584.6/19

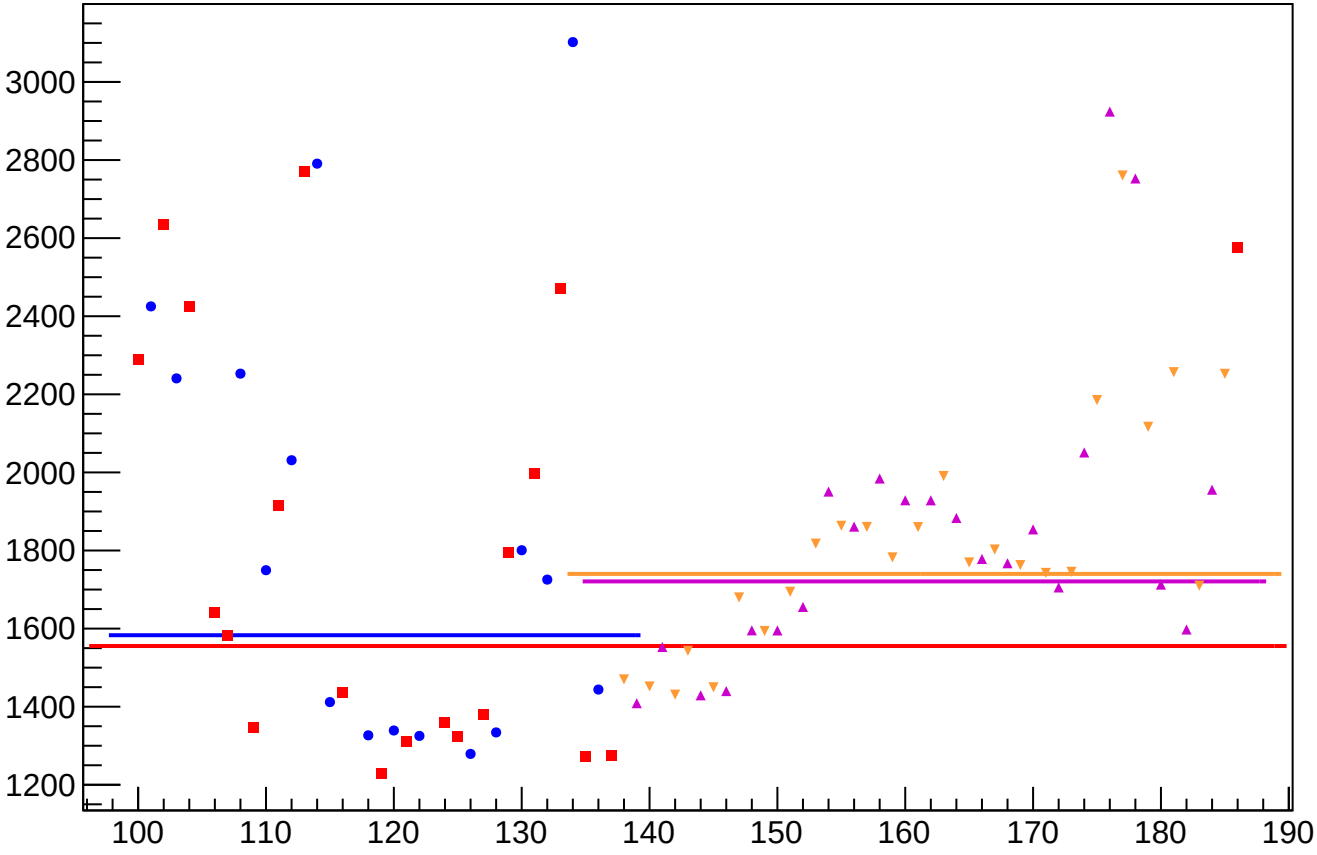
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -2.129+/-0.338 χ^2/NDF: 7181.0/40

All: 3.836+/-0.238 χ^2/NDF: 12818.1/83

\- sign 9.722+/-0.335 χ^2/NDF: 5016.9/42

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1555.380+/-0.415 χ^2/NDF: 1082392.7/19

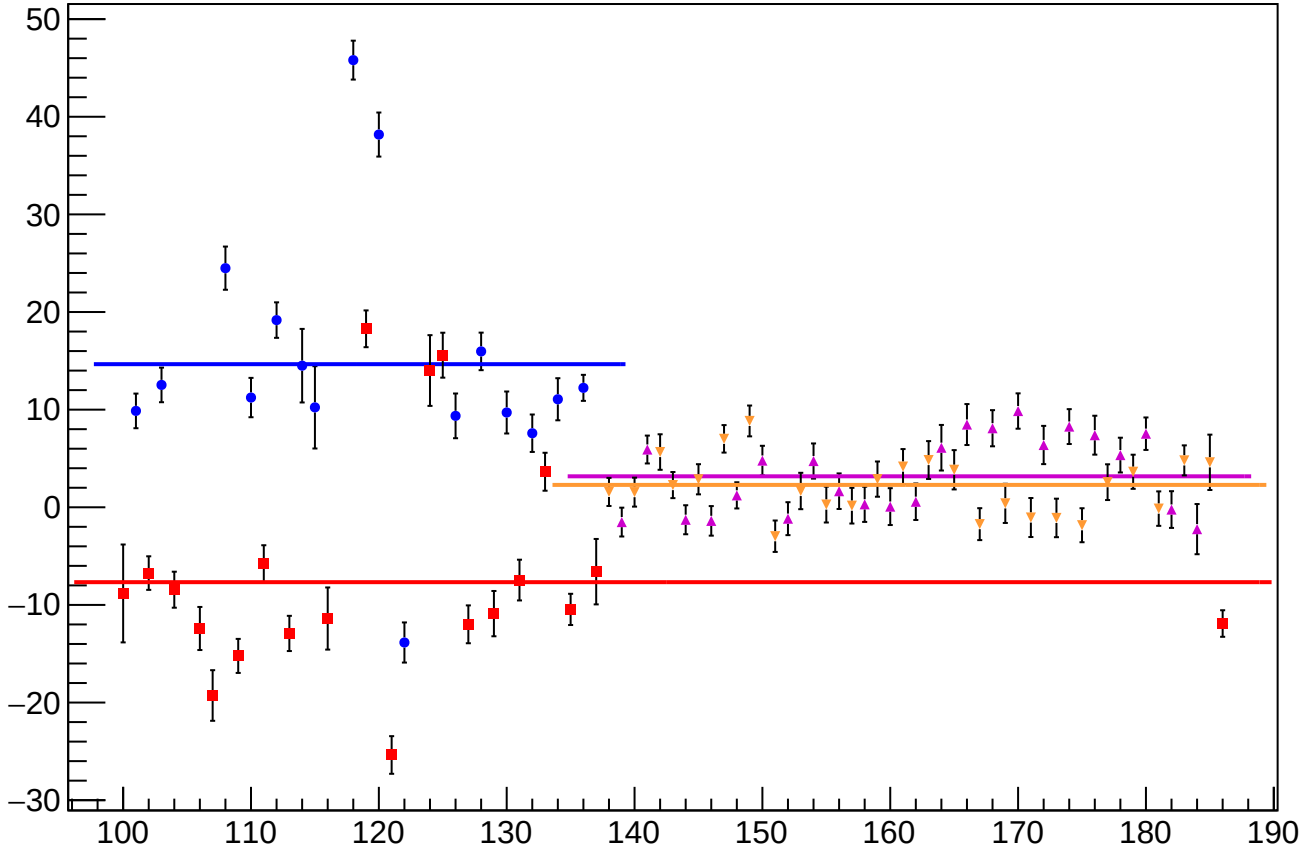
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1693.871+/-0.239 χ^2/NDF: 1630911.0/40

All: 1680.230+/-0.168 χ^2/NDF: 3710923.0/83

- sign 1666.771+/-0.237 χ^2/NDF: 2073526.5/42

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -7.670+/-0.455 χ^2/NDF: 520.3/19

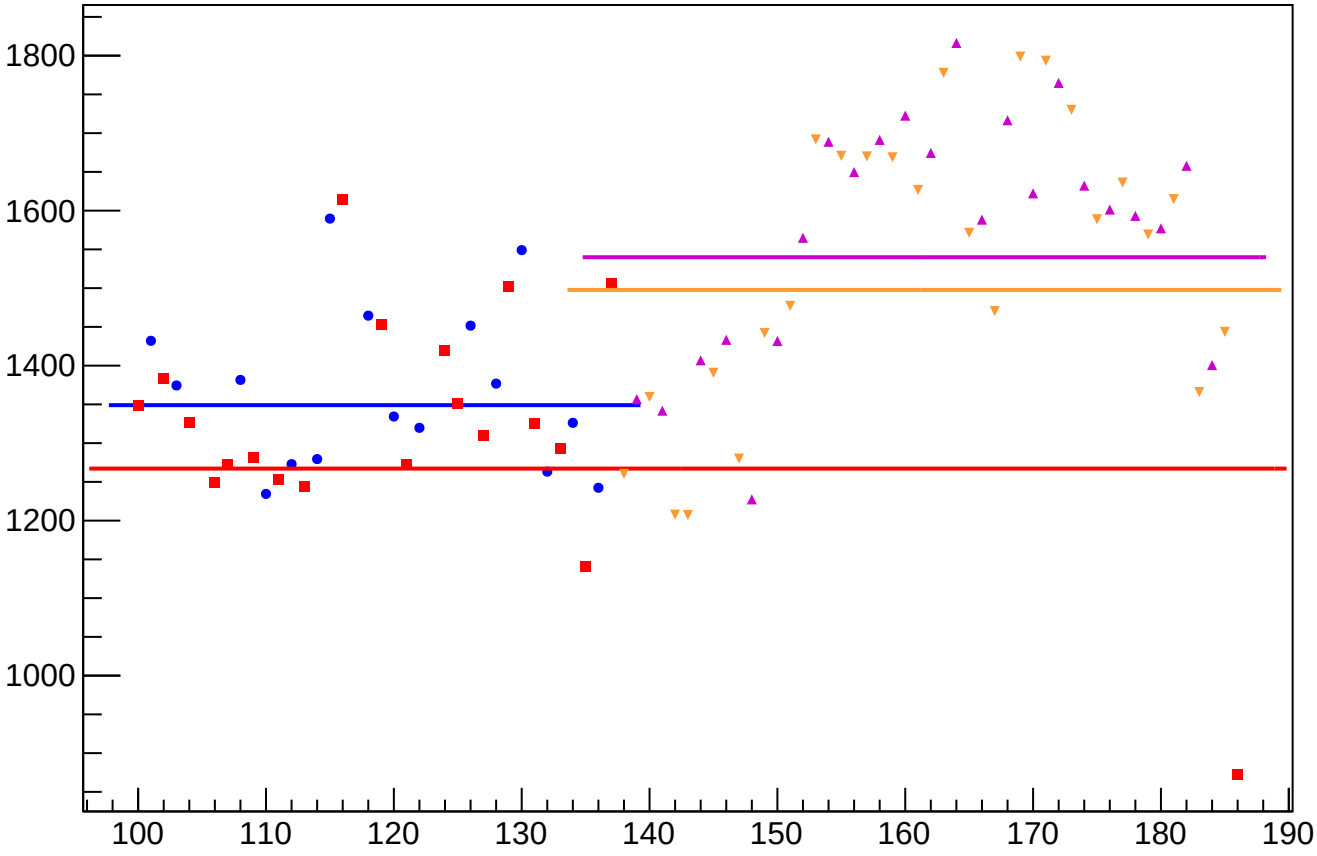
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 6.209+/-0.284 χ^2/NDF: 1098.7/40

All: 2.583+/-0.201 χ^2/NDF: 2402.3/83

- sign -1.033+/-0.284 χ^2/NDF: 977.9/42

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1267.177+/-0.322 χ^2/NDF: 276217.2/19

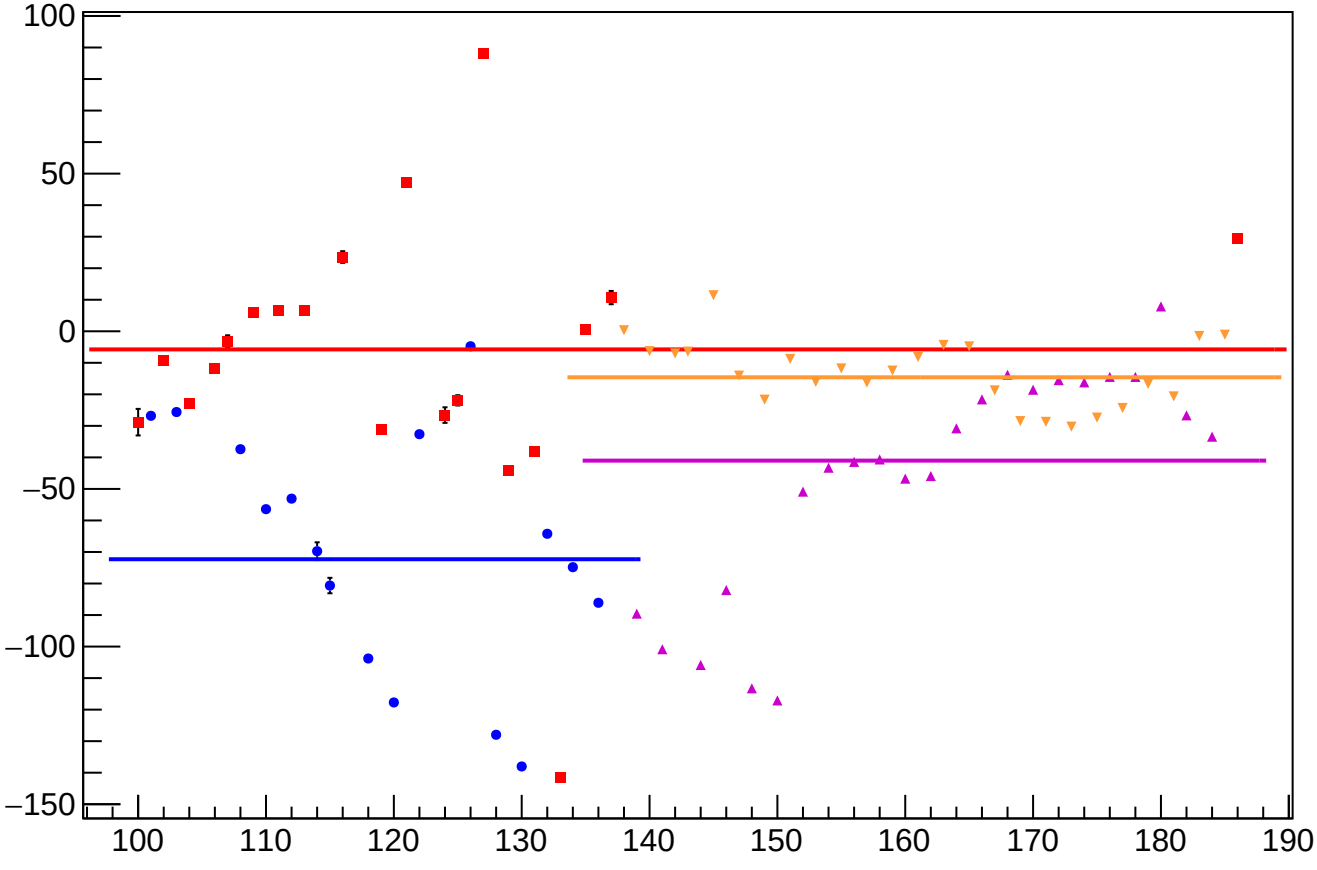
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1450.613+/-0.201 χ^2/NDF: 755758.0/40

All: 1442.347+/-0.142 χ^2/NDF: 1854909.8/83

- sign 1434.101+/-0.201 χ^2/NDF: 1095764.9/42

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -5.750+/-0.325 χ^2/NDF: 20524.3/19

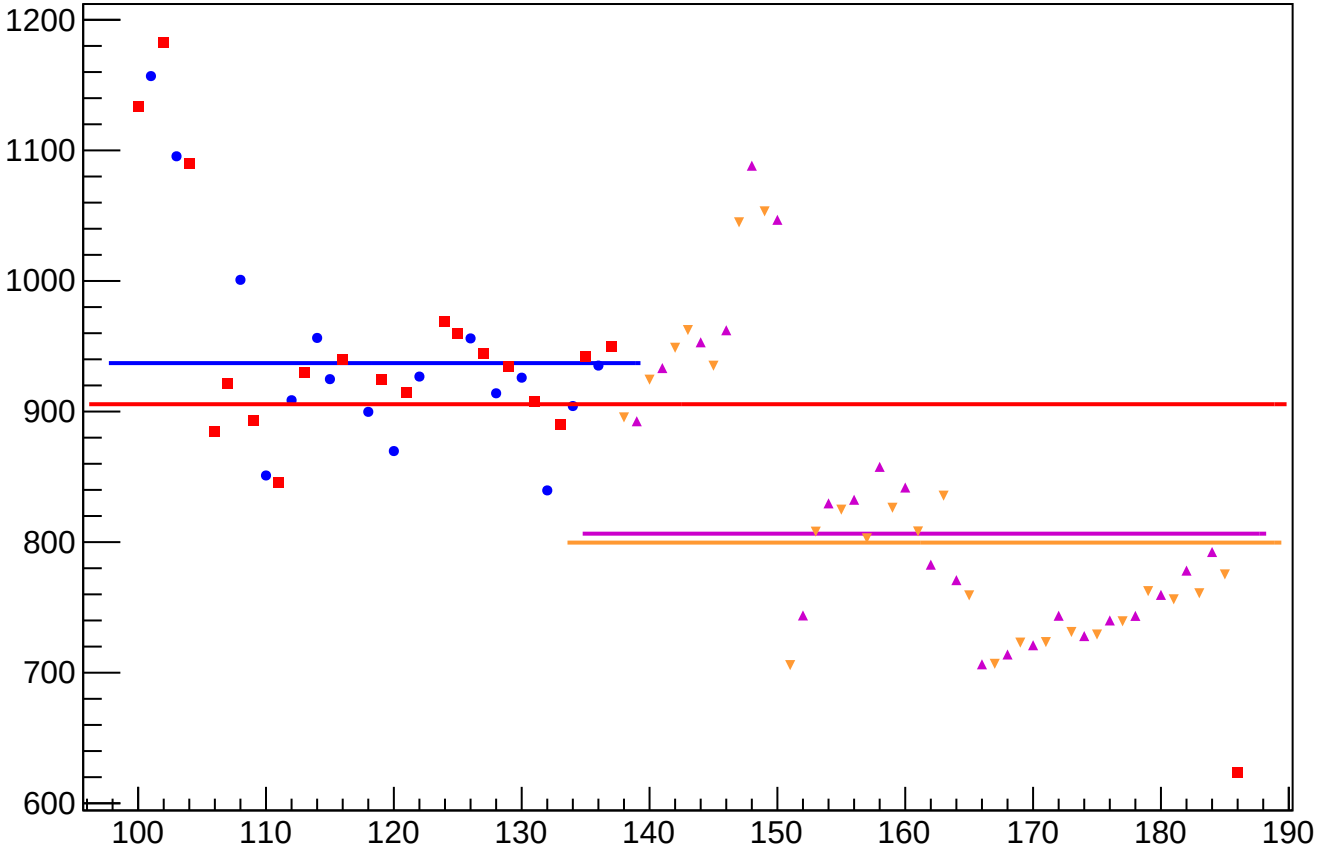
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

\+ sign -27.011+/-0.162 χ^2/NDF: 36716.2/40

All: -29.497+/-0.115 χ^2/NDF: 97581.0/83

\- sign -32.037+/-0.164 χ^2/NDF: 60389.2/42

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 905.621+/-0.230 χ^2/NDF: 292350.6/19

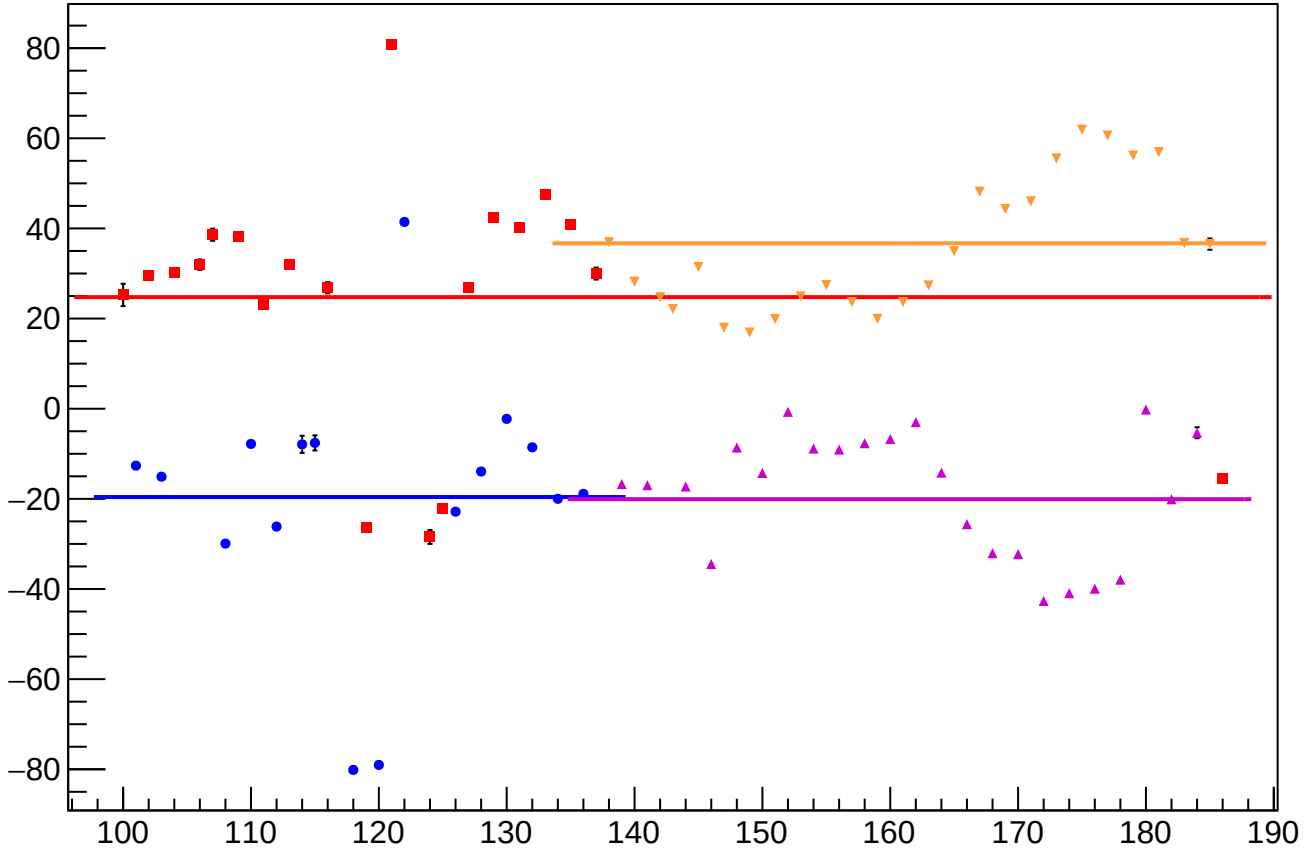
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 829.208+/-0.115 χ^2/NDF: 844972.4/40

All: 830.456+/-0.081 χ^2/NDF: 1787887.0/83

- sign 831.732+/-0.116 χ^2/NDF: 942674.9/42

diff_bpm1i02Y_mean vs Slug



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 24.757+/-0.220 χ^2/NDF: 16087.8/19

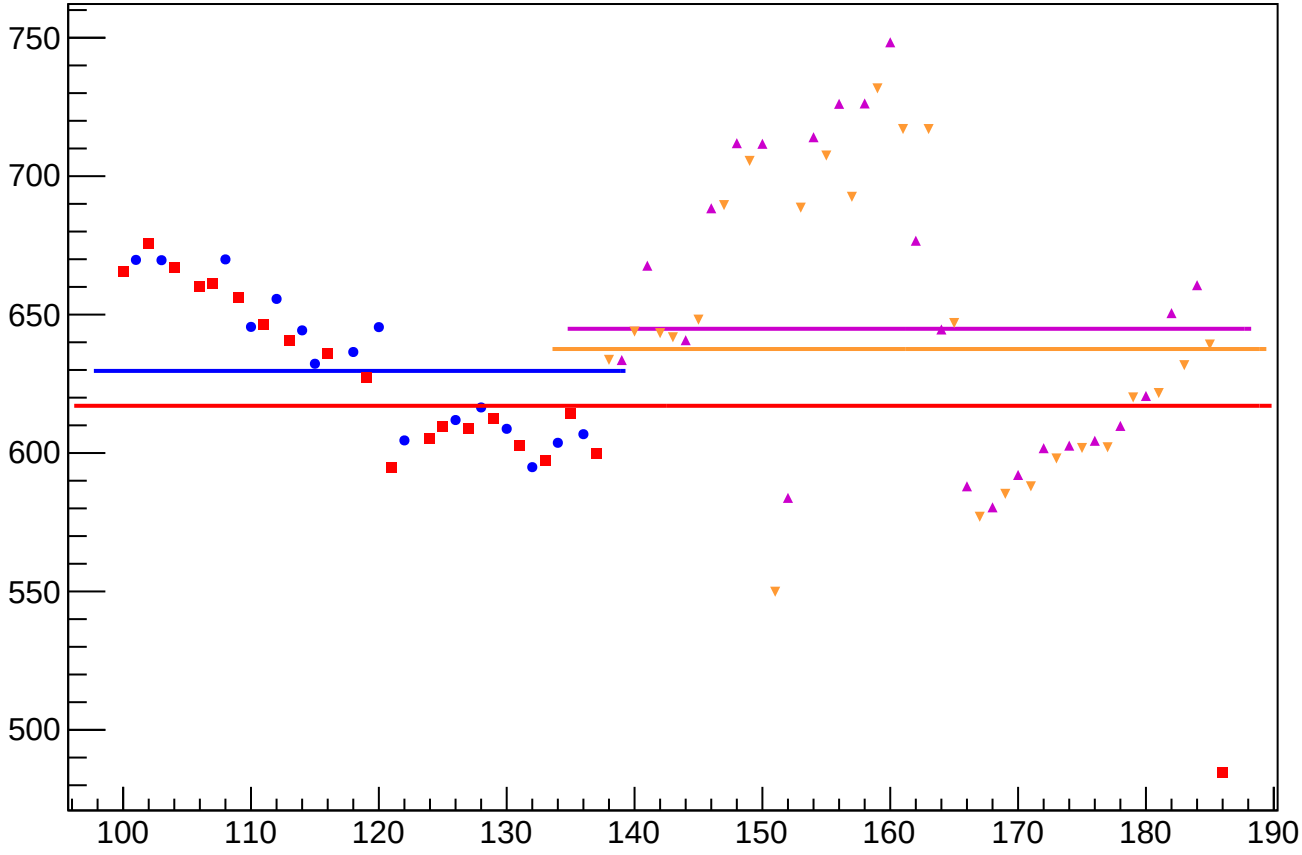
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 21.023+/-0.124 χ^2/NDF: 65147.8/40

All: 7.796+/-0.088 χ^2/NDF: 141171.1/83

- sign -5.657+/-0.125 χ^2/NDF: 52895.3/42

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 617.059+/-0.155 χ^2/NDF: 94279.6/19

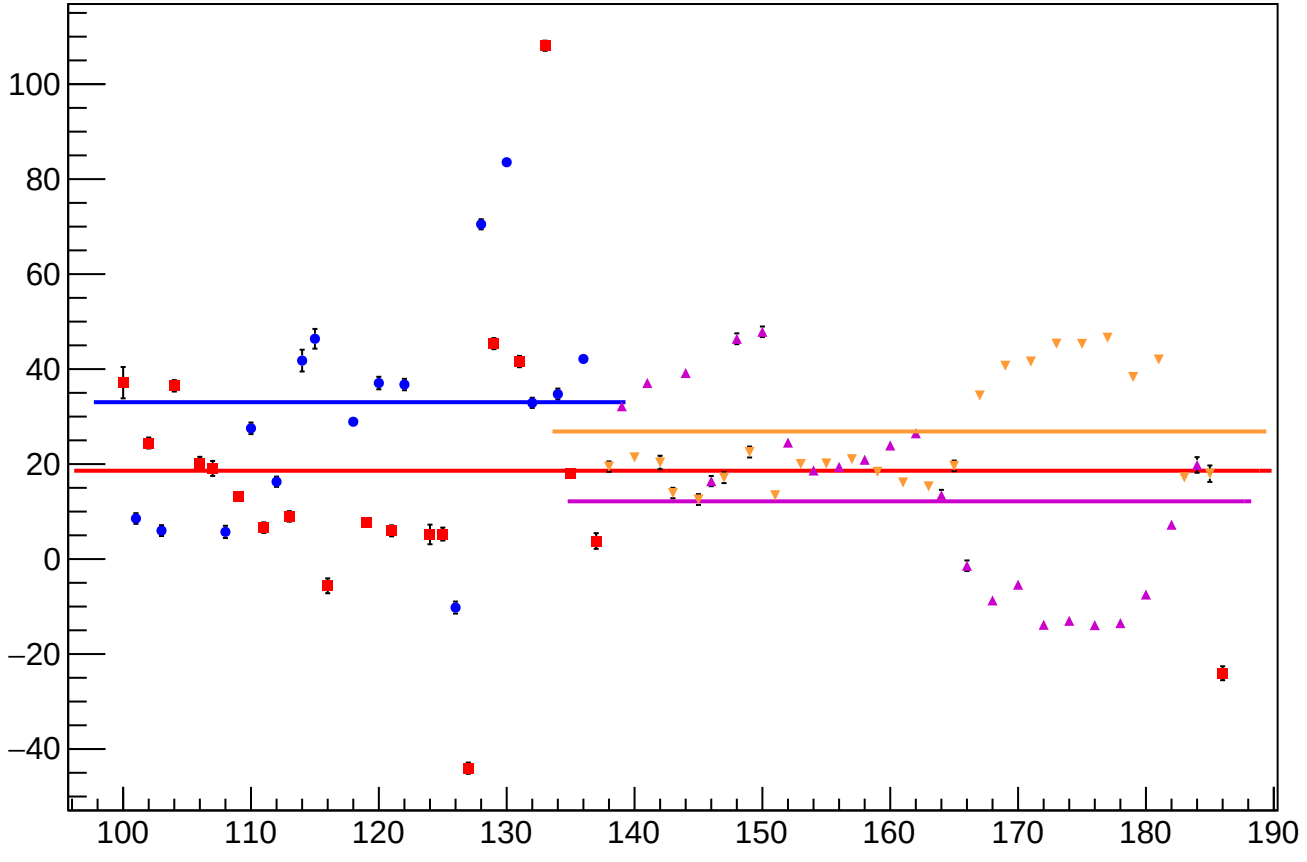
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

\+ sign 635.366+/-0.087 χ^2/NDF: 263502.8/40

All: 635.646+/-0.062 χ^2/NDF: 609112.4/83

\- sign 635.930+/-0.088 χ^2/NDF: 345588.9/42

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 18.600+/-0.281 χ^2/NDF: 12743.9/19

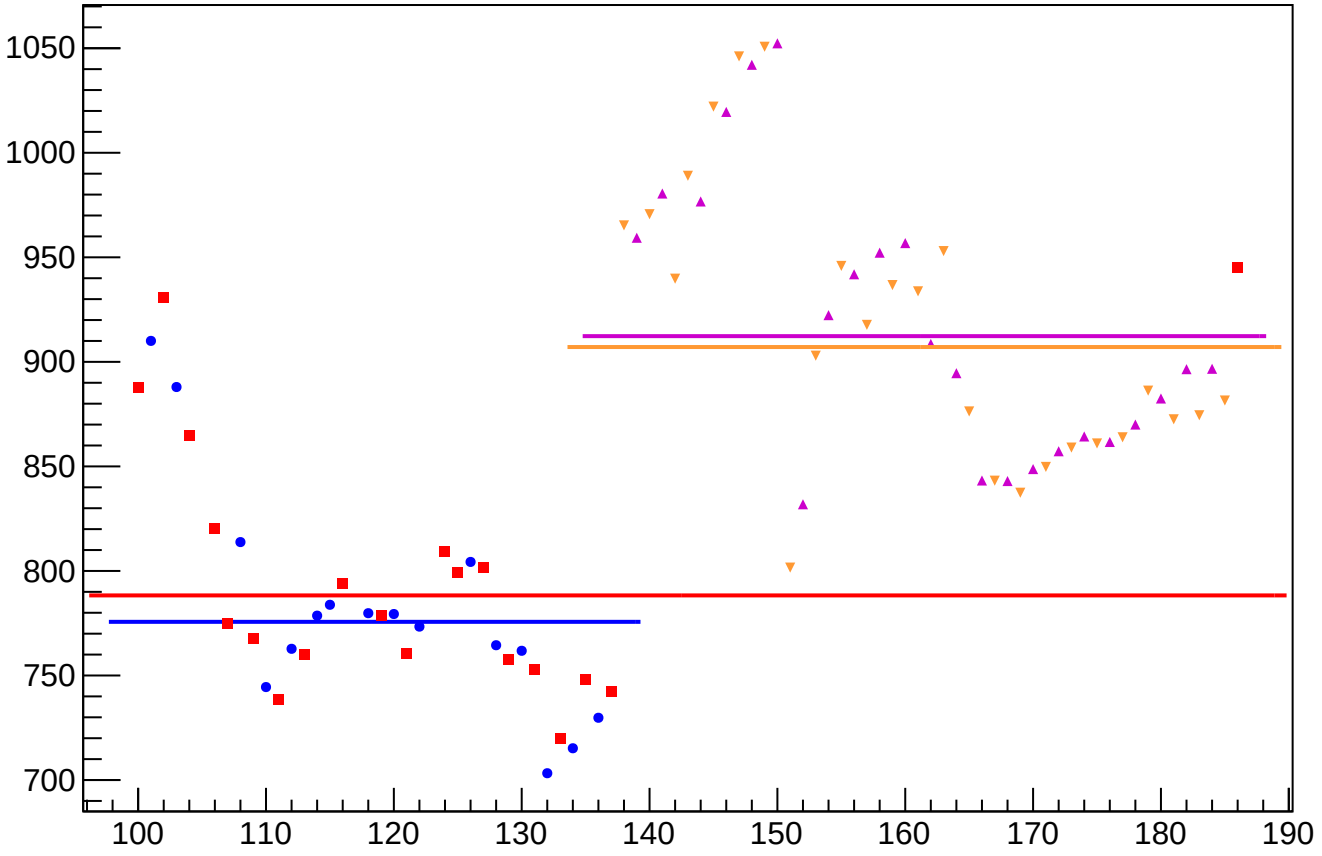
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

\+ sign 28.954+/-0.168 χ^2/NDF: 10391.9/40

All: 21.820+/-0.120 χ^2/NDF: 35659.6/83

\- sign 14.522+/-0.170 χ^2/NDF: 21624.2/42

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 788.299+/-0.198 χ^2/NDF: 88221.7/19

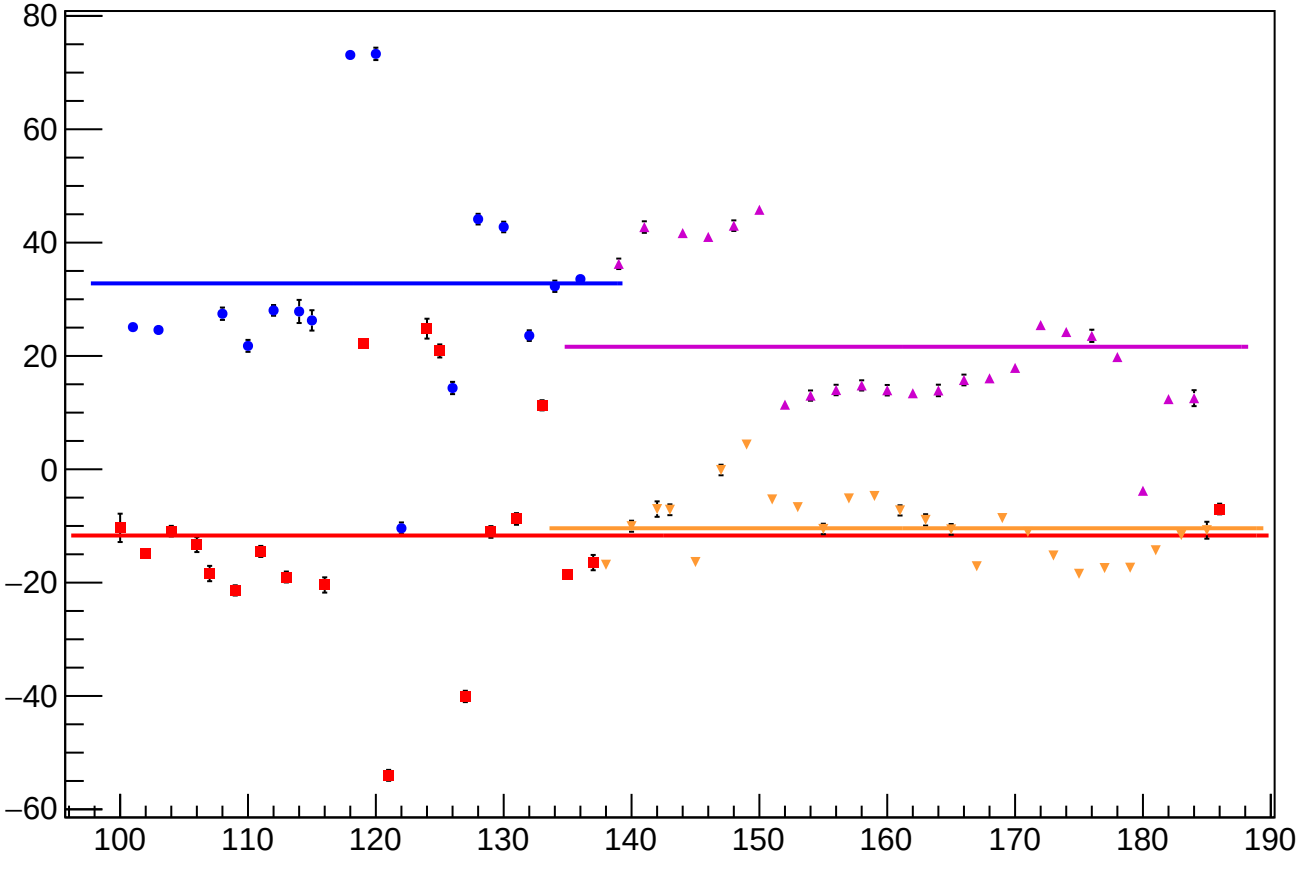
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 862.600+/-0.119 χ^2/NDF: 543040.3/40

All: 864.678+/-0.085 χ^2/NDF: 1053705.7/83

- sign 866.804+/-0.120 χ^2/NDF: 510047.2/42

diff_bpm1i04Y_mean vs Slug



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -11.686+/-0.234 χ^2/NDF: 6586.1/19

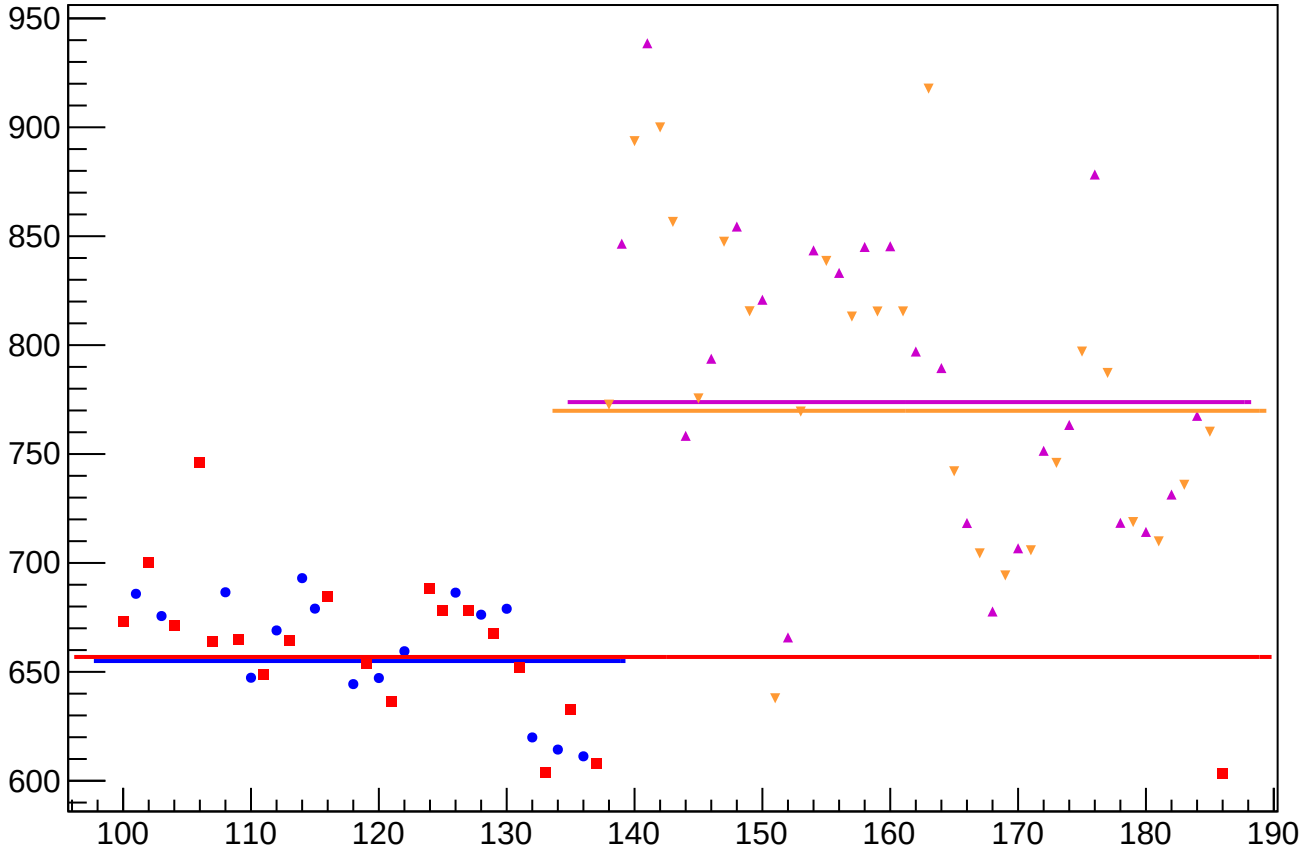
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 4.420+/-0.143 χ^2/NDF: 27983.0/40

All: 6.717+/-0.101 χ^2/NDF: 52989.1/83

- sign 9.043+/-0.144 χ^2/NDF: 24484.2/42

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 656.841+/-0.165 χ^2/NDF: 37301.5/19

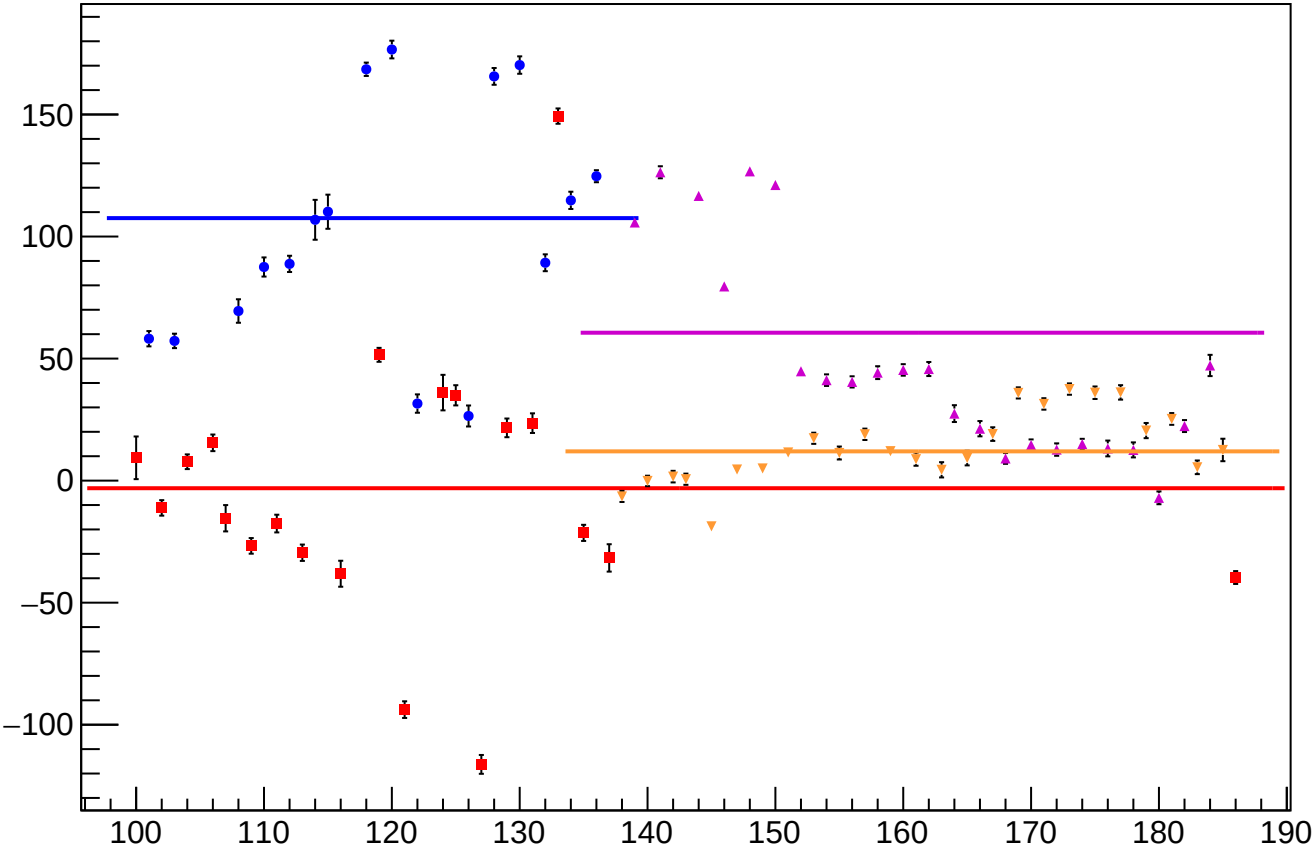
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

\+ sign 730.432+/-0.101 χ^2/NDF: 623648.4/40

All: 730.049+/-0.072 χ^2/NDF: 1256186.6/83

\- sign 729.660+/-0.101 χ^2/NDF: 632509.2/42

diff_bpm1i06X_mean vs Slug



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -3.110+/-0.818 χ^2/NDF: 4976.9/19

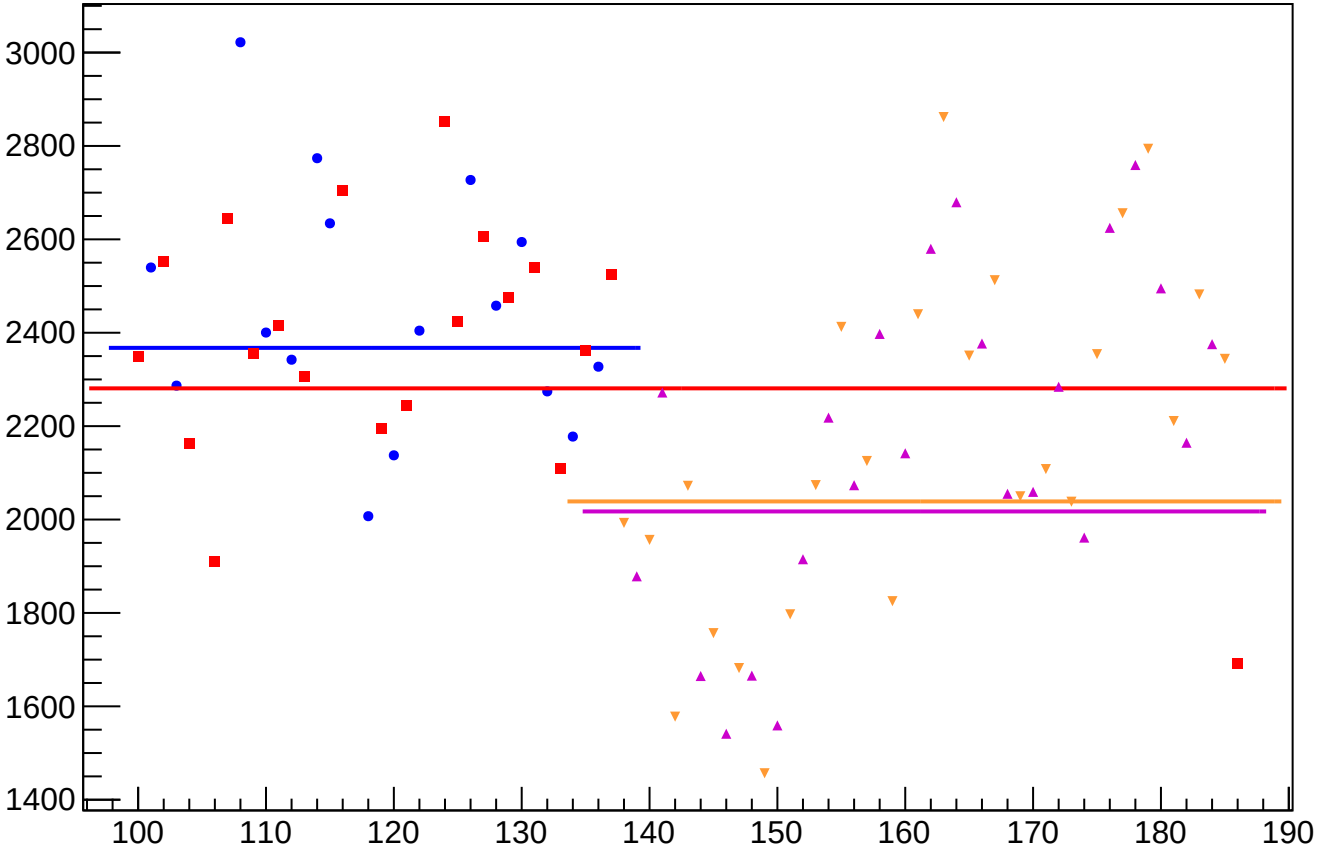
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 33.106+/-0.416 χ^2/NDF: 12978.4/40

All: 38.696+/-0.294 χ^2/NDF: 31457.9/83

- sign 44.244+/-0.415 χ^2/NDF: 18120.1/42

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 2280.907+/-0.579 χ^2/NDF: 222808.3/19

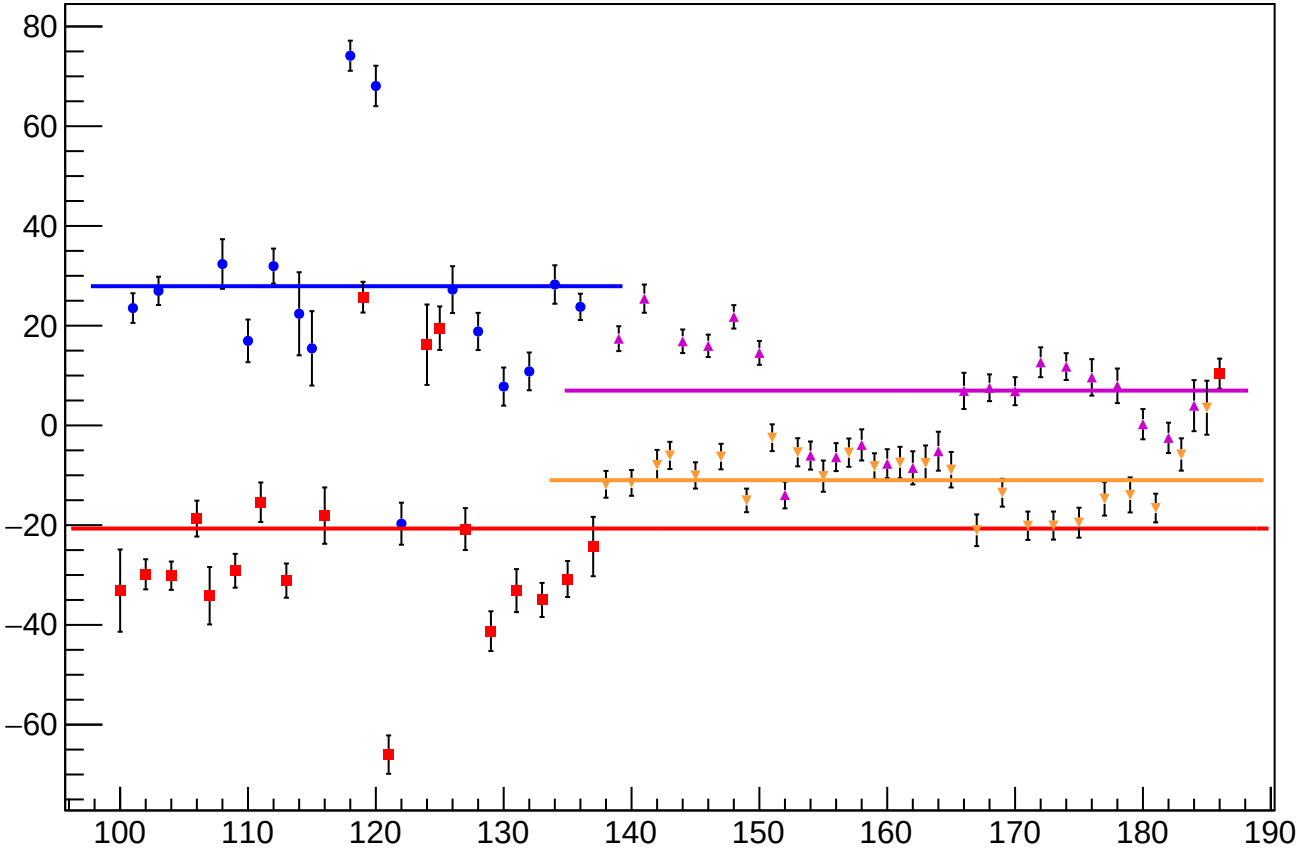
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 2111.455+/-0.294 χ^2/NDF: 1465239.0/40

All: 2098.172+/-0.208 χ^2/NDF: 2896377.0/83

- sign 2084.989+/-0.293 χ^2/NDF: 1427078.8/42

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: -20.678+/-0.865 χ^2/NDF: 683.3/19

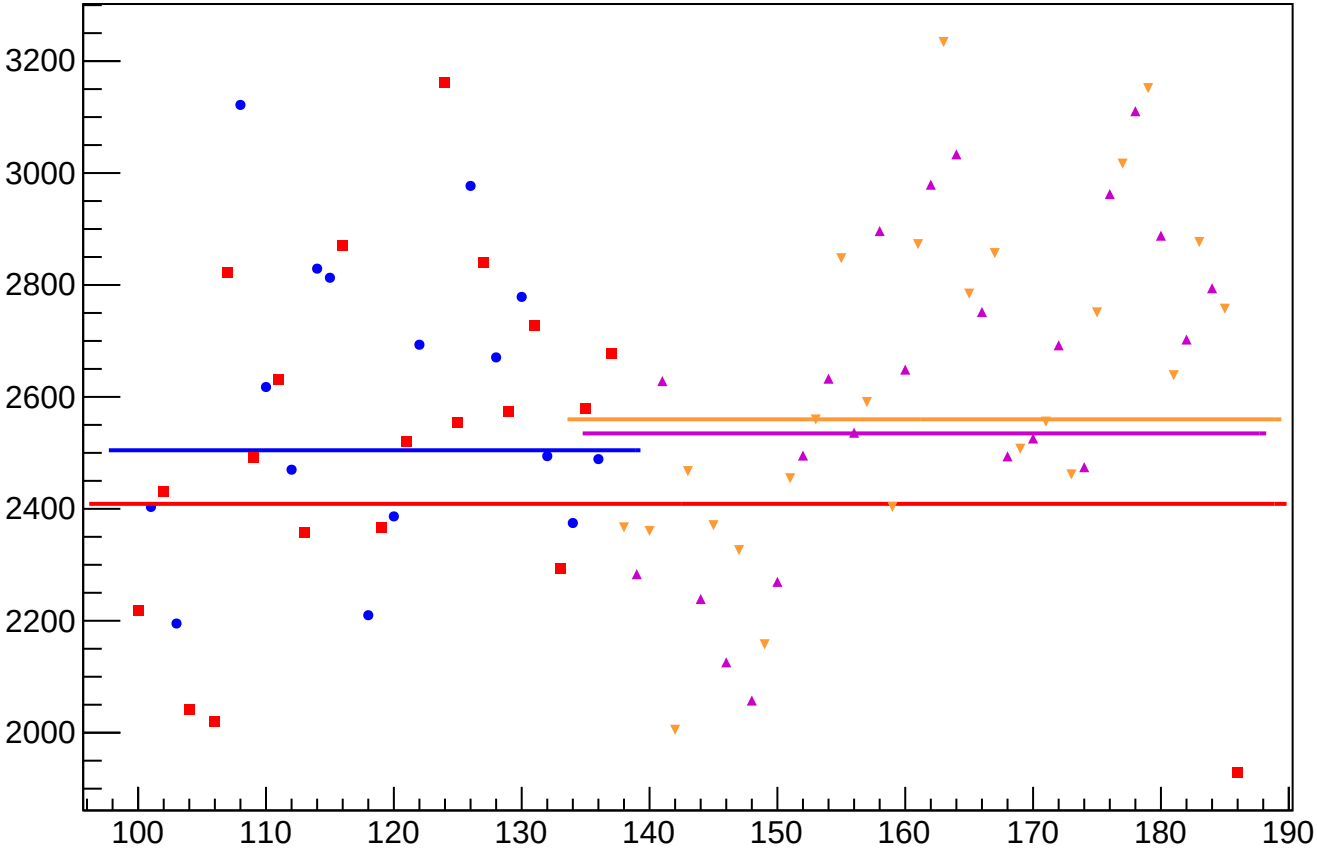
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign -0.047+/-0.497 χ^2/NDF: 1857.9/40

All: -1.019+/-0.350 χ^2/NDF: 3580.2/83

- sign -1.974+/-0.492 χ^2/NDF: 1714.7/42

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

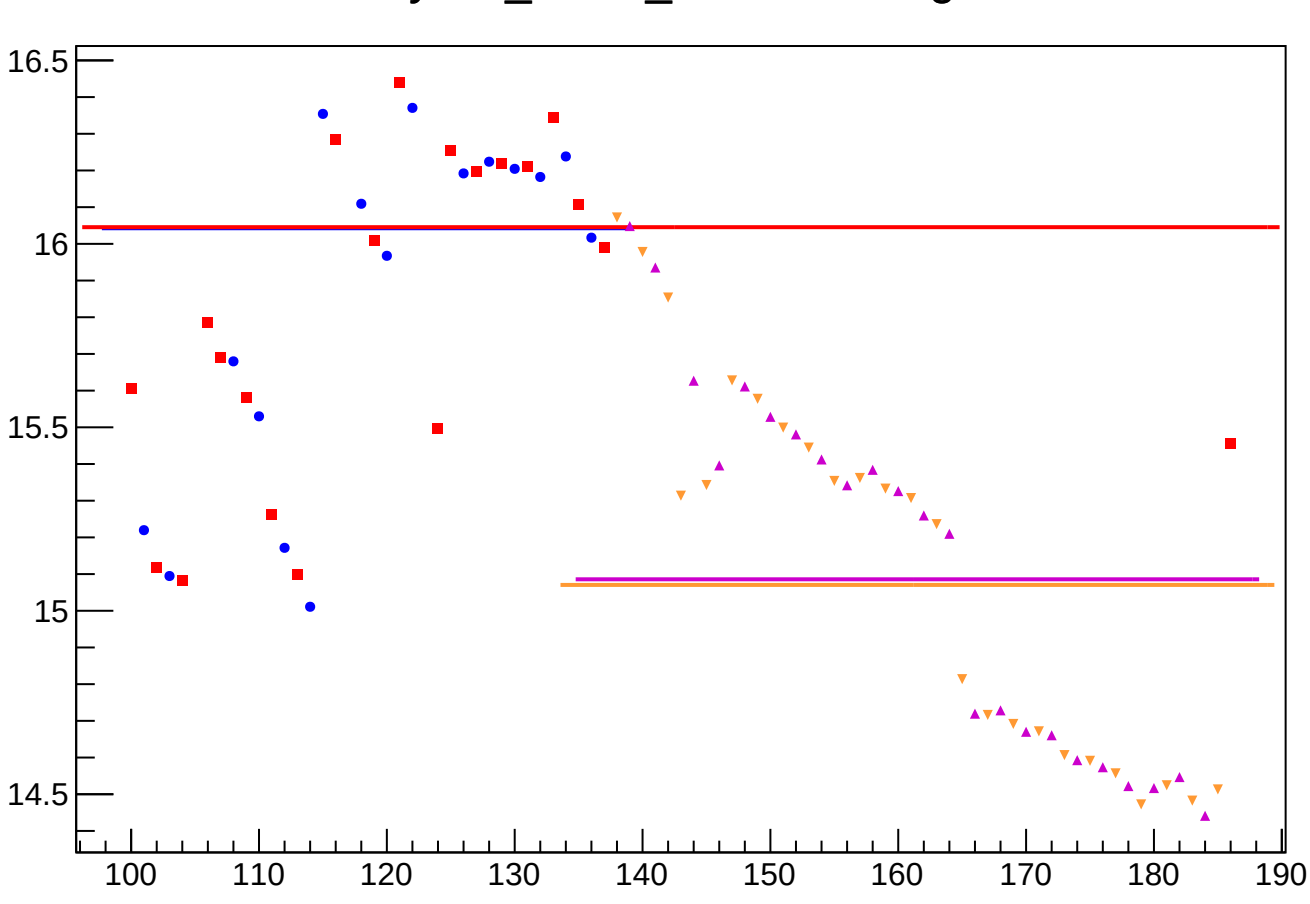
Right Out: 2408.899+/-0.611 χ^2/NDF: 208437.8/19

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2544.388+/-0.351 χ^2/NDF: 581793.6/40

All: 2518.965+/-0.247 χ^2/NDF: 1292889.9/83

- sign 2494.014+/-0.348 χ^2/NDF: 700715.8/42



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 16.045+/-0.000 χ^2/NDF: 3561004039.5/19

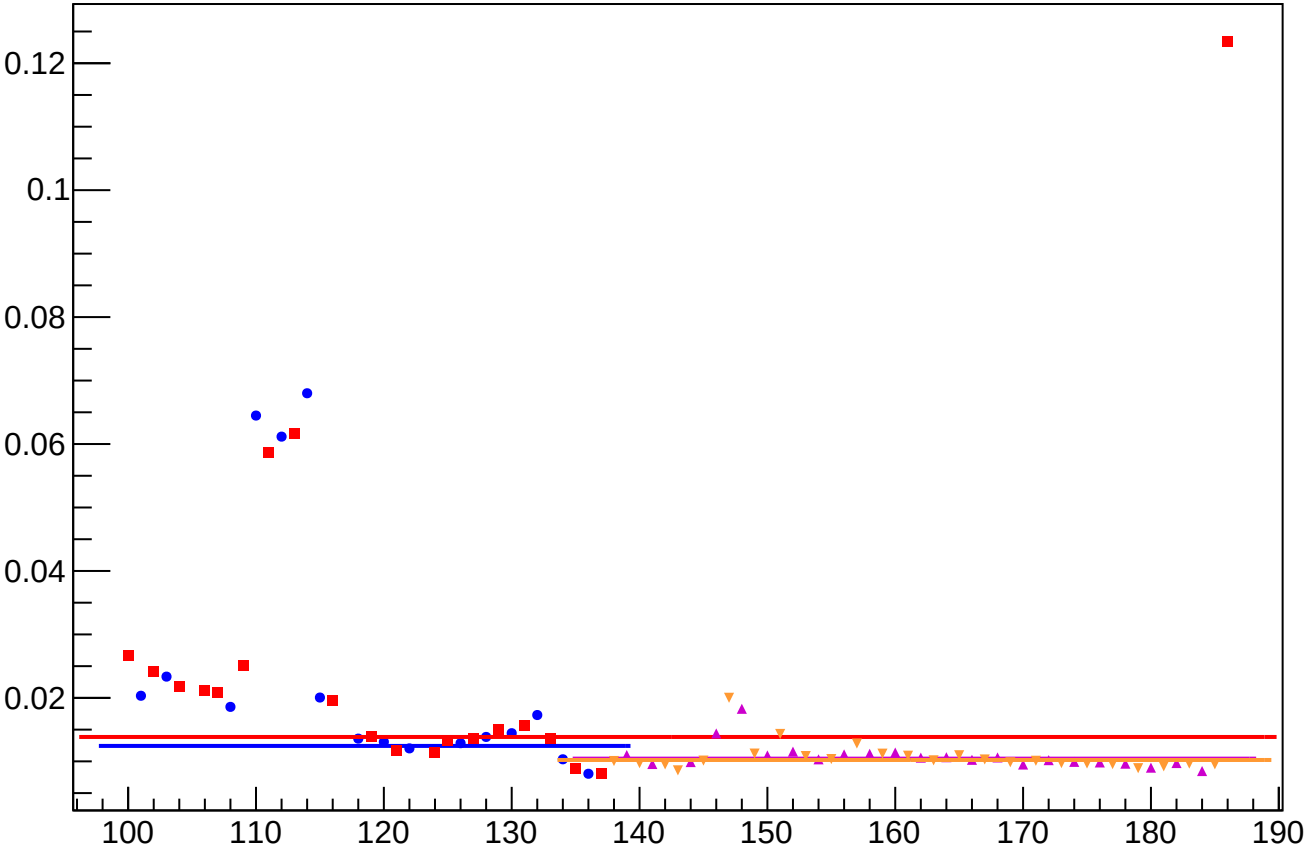
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.236+/-0.000 χ^2/NDF: 74491041207.3/40

All: 15.238+/-0.000 χ^2/NDF: 140848909680.

- sign 15.239+/-0.000 χ^2/NDF: 66356519197.4/42

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

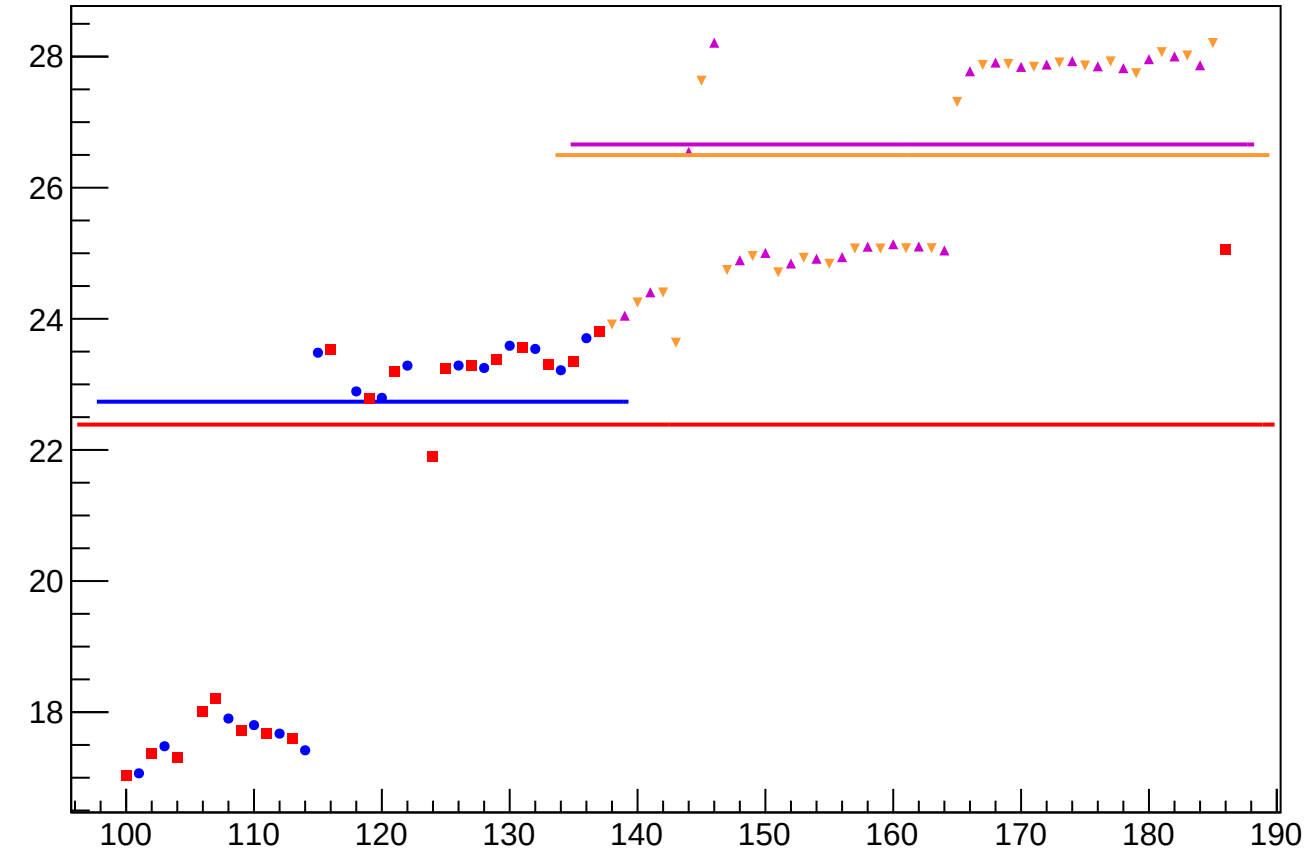
Right Out: 0.014+/-0.000 χ^2/NDF: 2842950.7/19

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 3367234.8/40

All: 0.011+/-0.000 χ^2/NDF: 7426477.0/83

- sign 0.011+/-0.000 χ^2/NDF: 4030444.5/42



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.387+/-0.000 χ^2/NDF: 1224543723.7/19

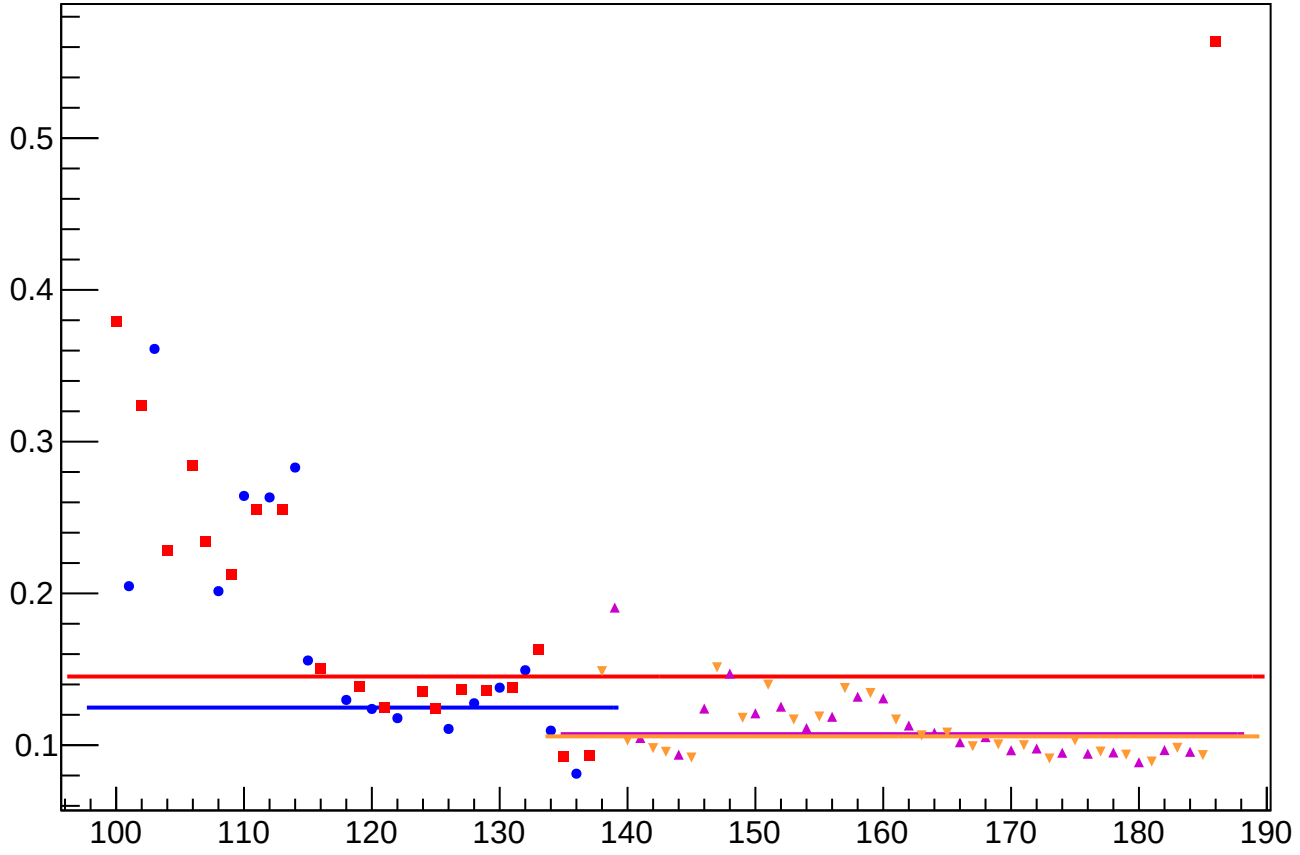
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.790+/-0.000 χ^2/NDF: 9076928257.6/40

All: 25.856+/-0.000 χ^2/NDF: 17454134058.2

- sign 25.929+/-0.000 χ^2/NDF: 8360668192.6/42

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.145+/-0.000 χ^2/NDF: 2007957.1/19

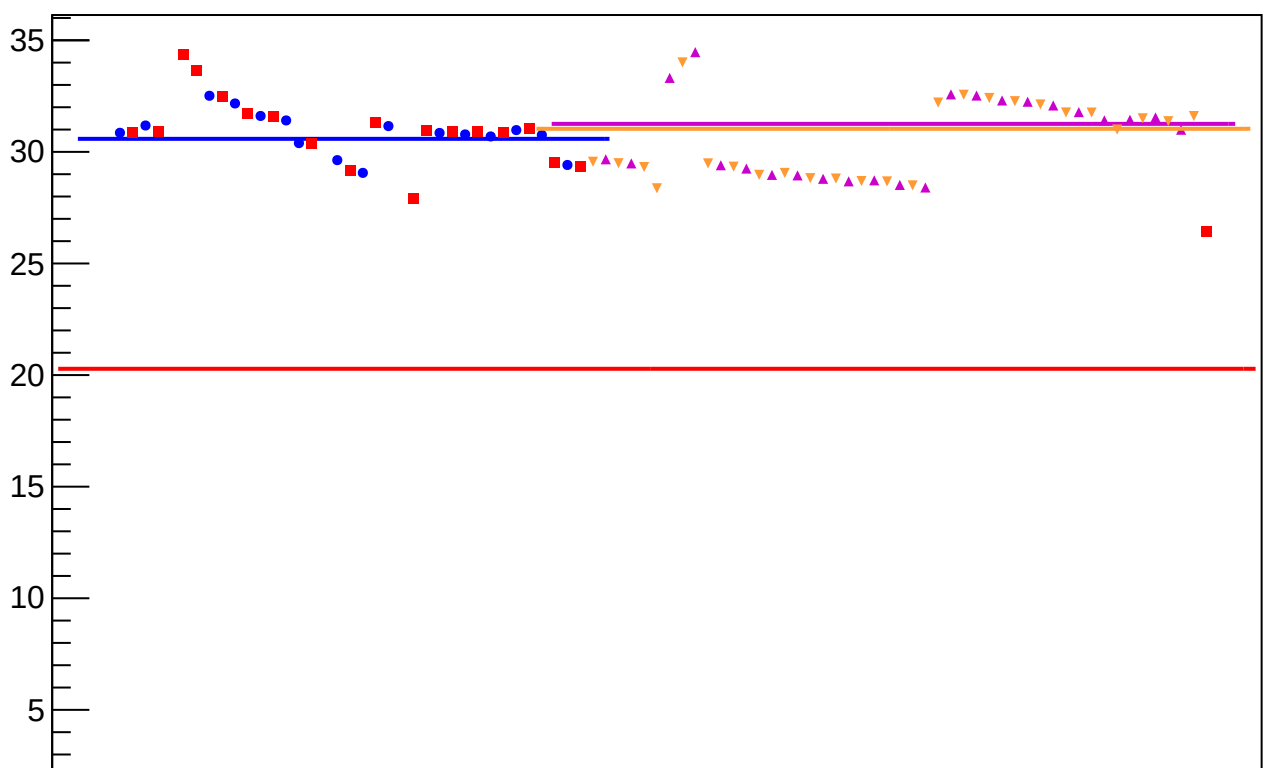
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.109+/-0.000 χ^2/NDF: 2706851.1/40

All: 0.111+/-0.000 χ^2/NDF: 6278768.2/83

- sign 0.114+/-0.000 χ^2/NDF: 3538387.3/42

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.282+/-0.000 χ^2/NDF: 221653032550.5/19

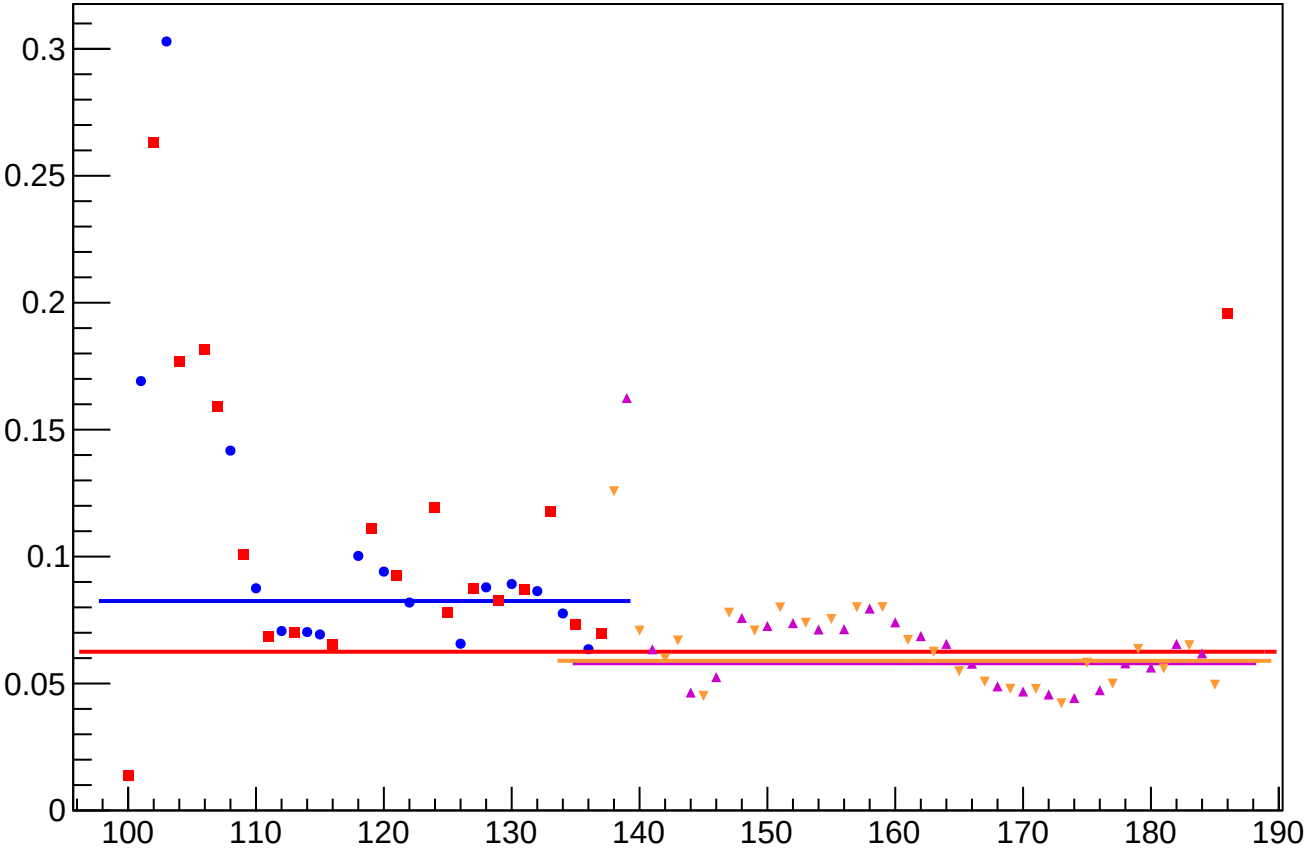
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.966+/-0.000 χ^2/NDF: 12682646978.8/40

All: 29.941+/-0.000 χ^2/NDF: 361848803135.

- sign 28.949+/-0.000 χ^2/NDF: 338708713084.6/42

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.063+/-0.000 χ^2/NDF: 4382054.5/19

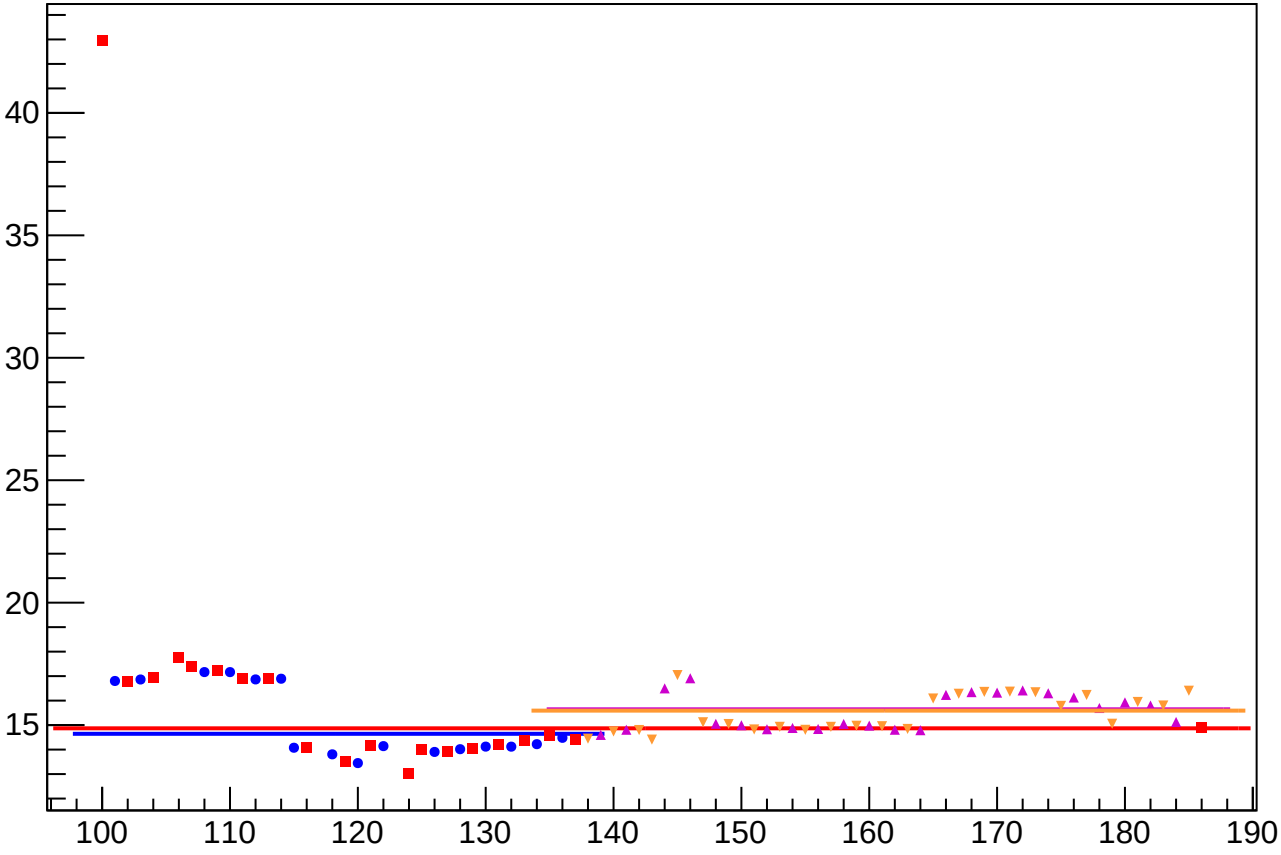
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.063+/-0.000 χ^2/NDF: 3525340.5/40

All: 0.061+/-0.000 χ^2/NDF: 9726604.7/83

- sign 0.059+/-0.000 χ^2/NDF: 6134296.7/42

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.868+/-0.000 χ^2/NDF: 1730041813.5/19

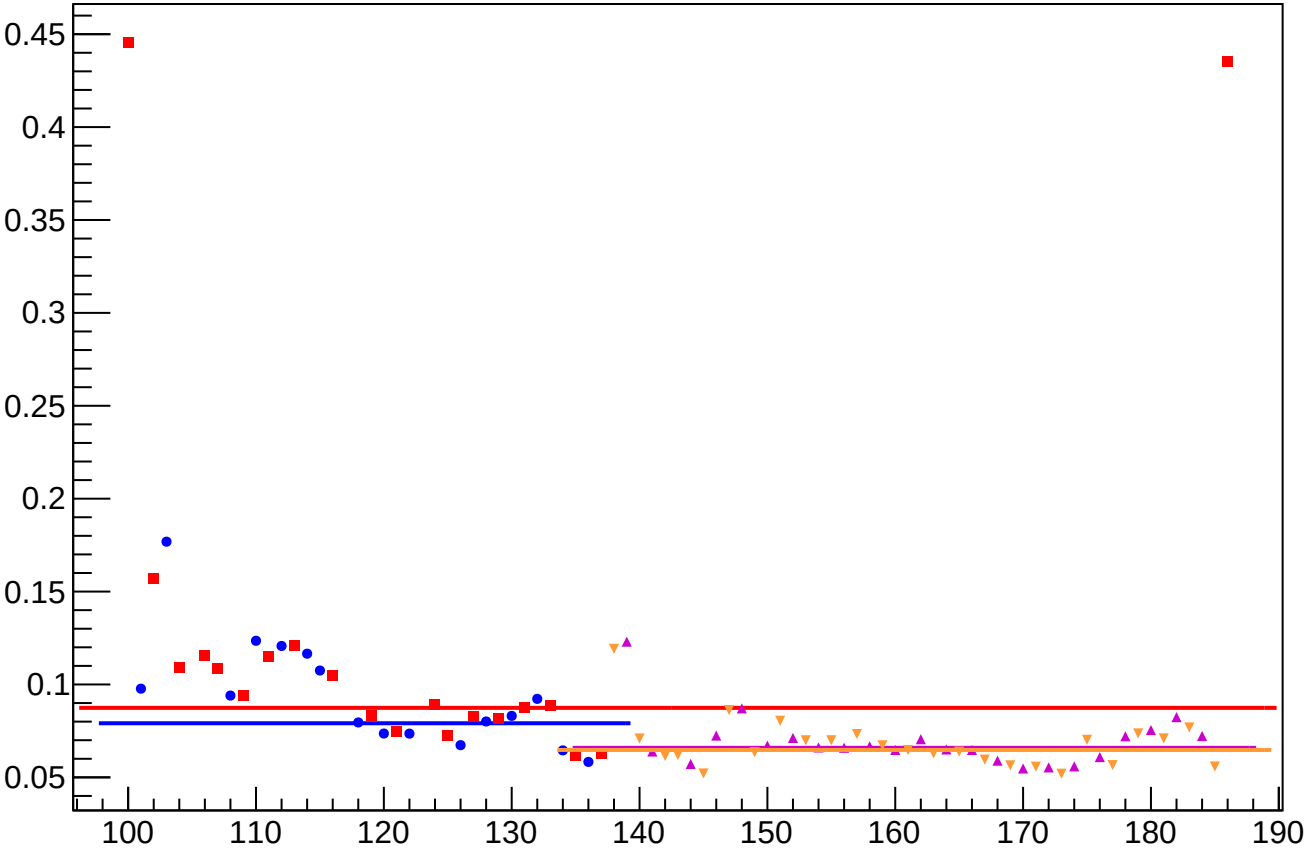
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.408+/-0.000 χ^2/NDF: 4129647064.2/40

All: 15.451+/-0.000 χ^2/NDF: 8140741005.6/8

- sign 15.500+/-0.000 χ^2/NDF: 3991664318.2/42

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

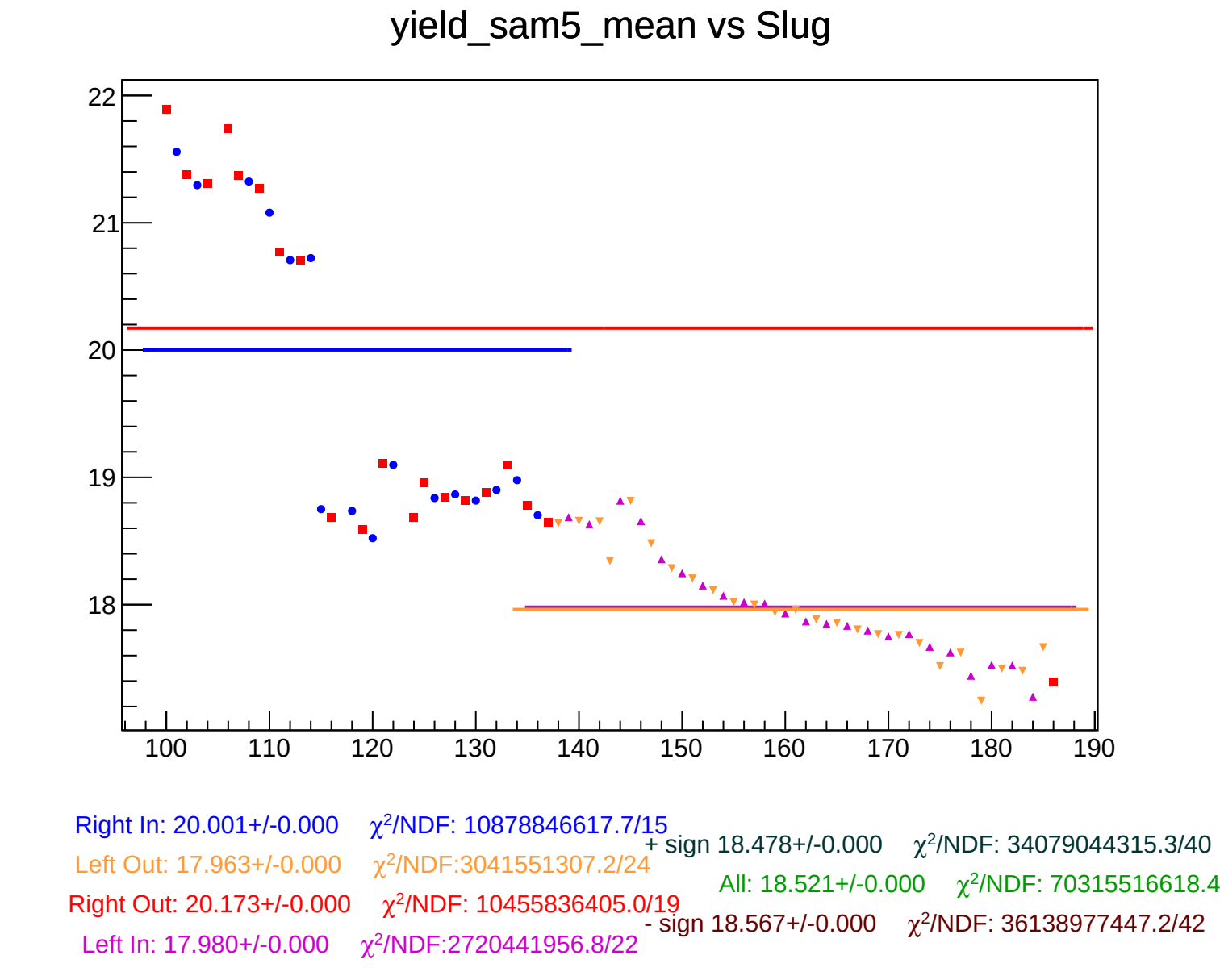
Right Out: 0.087+/-0.000 χ^2/NDF: 1293124.7/19

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

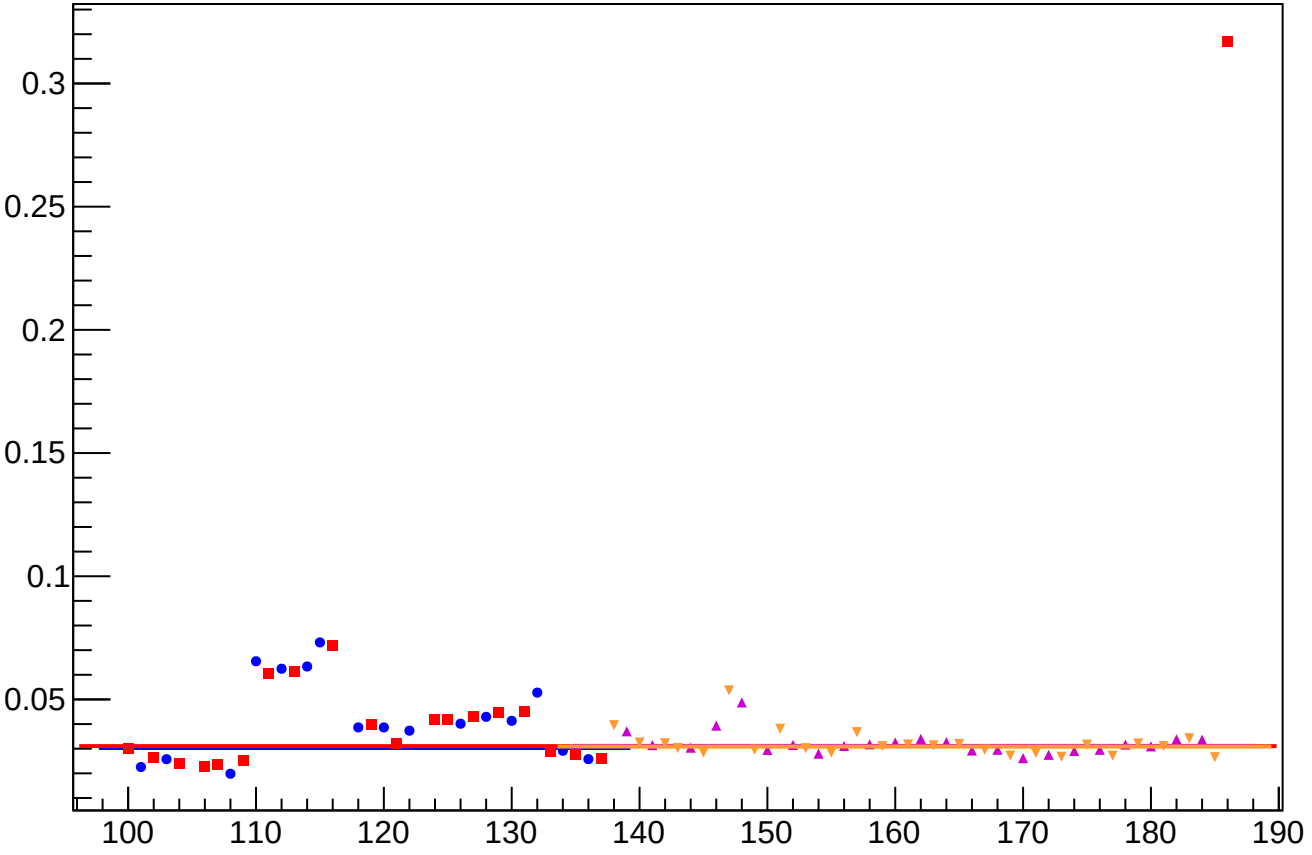
+ sign 0.068+/-0.000 χ^2/NDF: 2086476.2/40

All: 0.069+/-0.000 χ^2/NDF: 4813660.6/83

- sign 0.070+/-0.000 χ^2/NDF: 2701076.0/42


yield_sam5_mean vs Slug
22
21
20
19
18
100
110
120
130
140
150
160
170
180
190
Right In: 20.001+/-0.000 χ²/NDF: 10878846617.7/15
Left Out: 17.963+/-0.000 χ²/NDF:3041551307.2/24
Right Out: 20.173+/-0.000 χ²/NDF: 10455836405.0/19
Left In: 17.980+/-0.000 χ²/NDF:2720441956.8/22
+ sign 18.478+/-0.000 χ²/NDF: 34079044315.3/40
All: 18.521+/-0.000 χ²/NDF: 70315516618.4
- sign 18.567+/-0.000 χ²/NDF: 36138977447.2/42

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.031+/-0.000 χ^2/NDF: 1828585.4/19

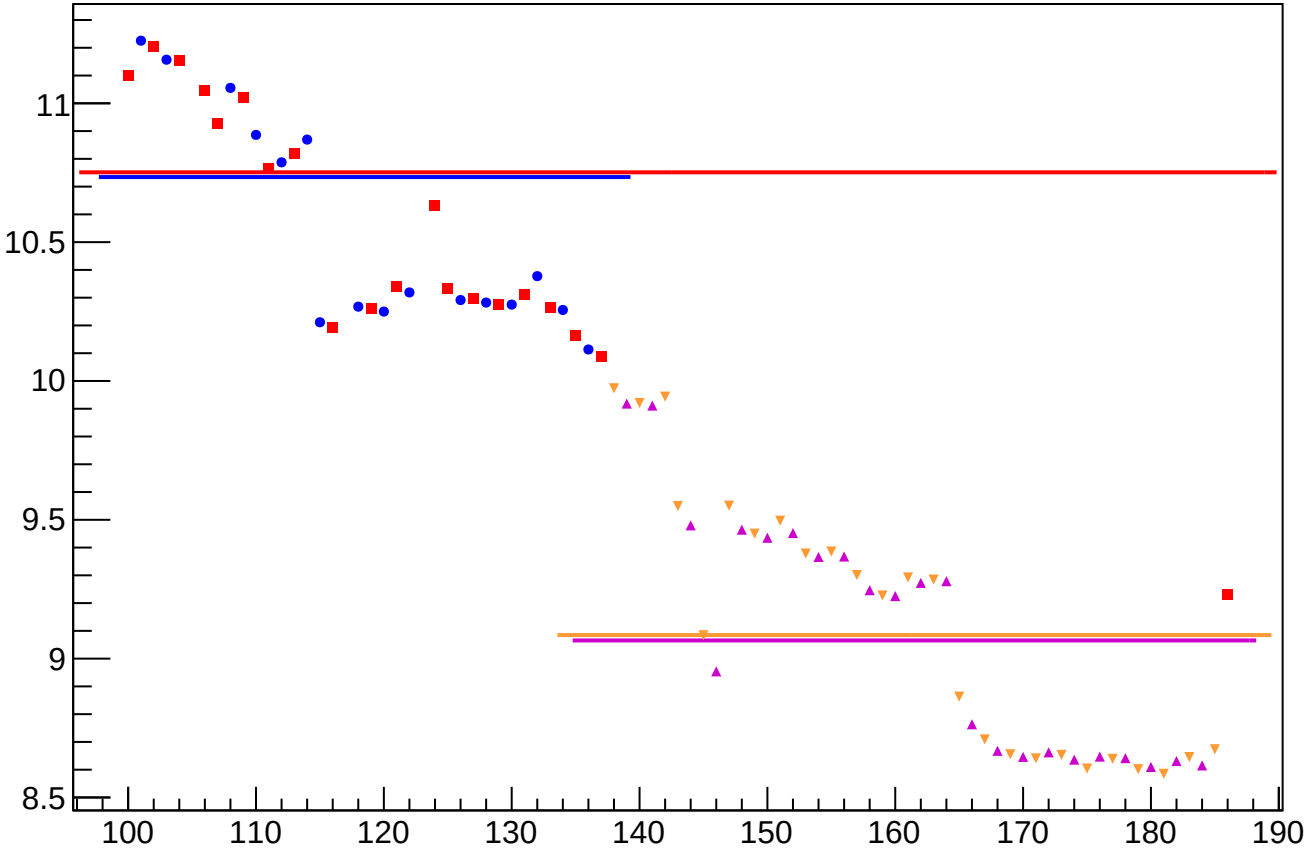
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.031+/-0.000 χ^2/NDF: 2084391.2/40

All: 0.031+/-0.000 χ^2/NDF: 4399507.4/83

- sign 0.031+/-0.000 χ^2/NDF: 2311571.0/42

yield_sam6_mean vs Slug



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.752+/-0.000 χ^2/NDF: 4394832119.2/19

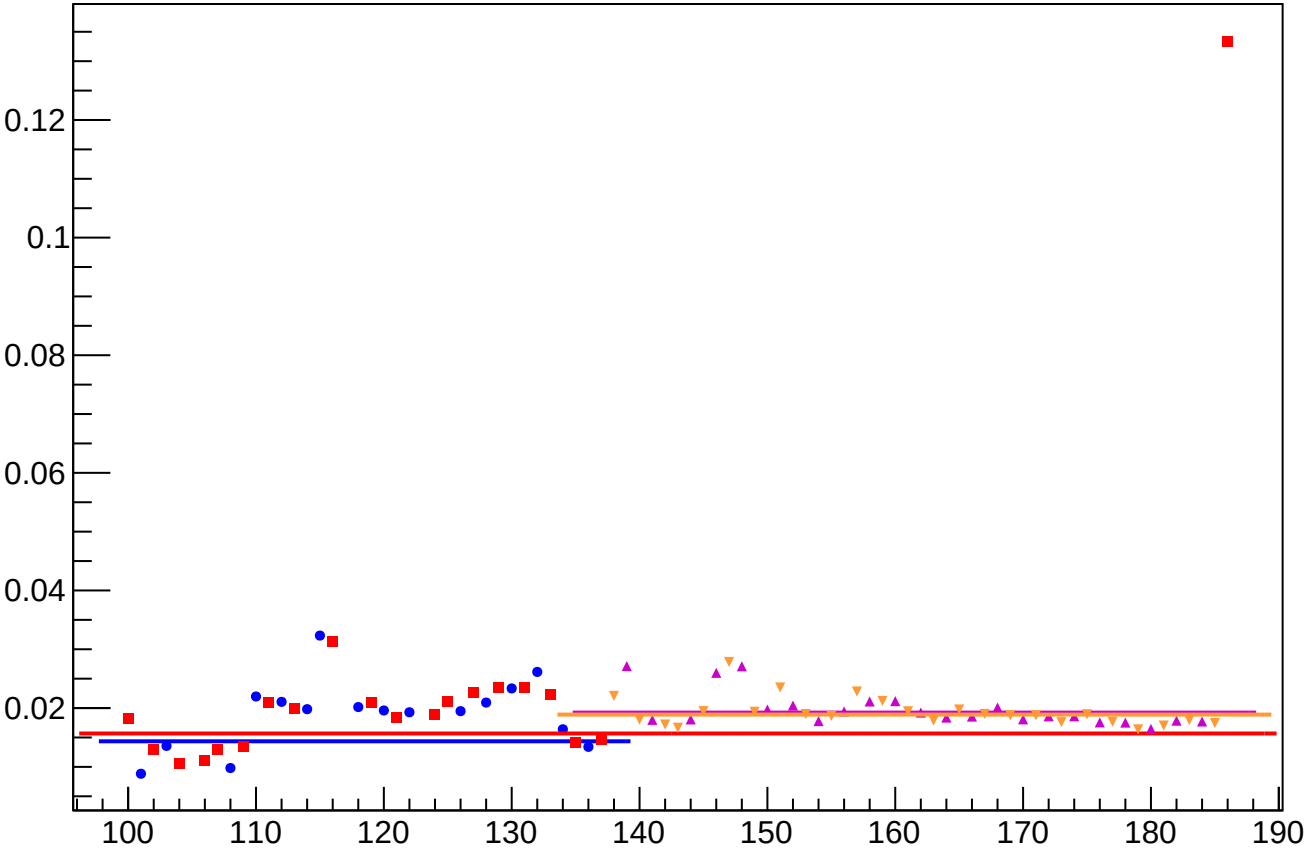
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.677+/-0.000 χ^2/NDF: 64235719250.8/40

All: 9.677+/-0.000 χ^2/NDF: 122926901923.4

- 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: 1481790.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.016+/-0.000 χ^2/NDF: 1677656.8/19

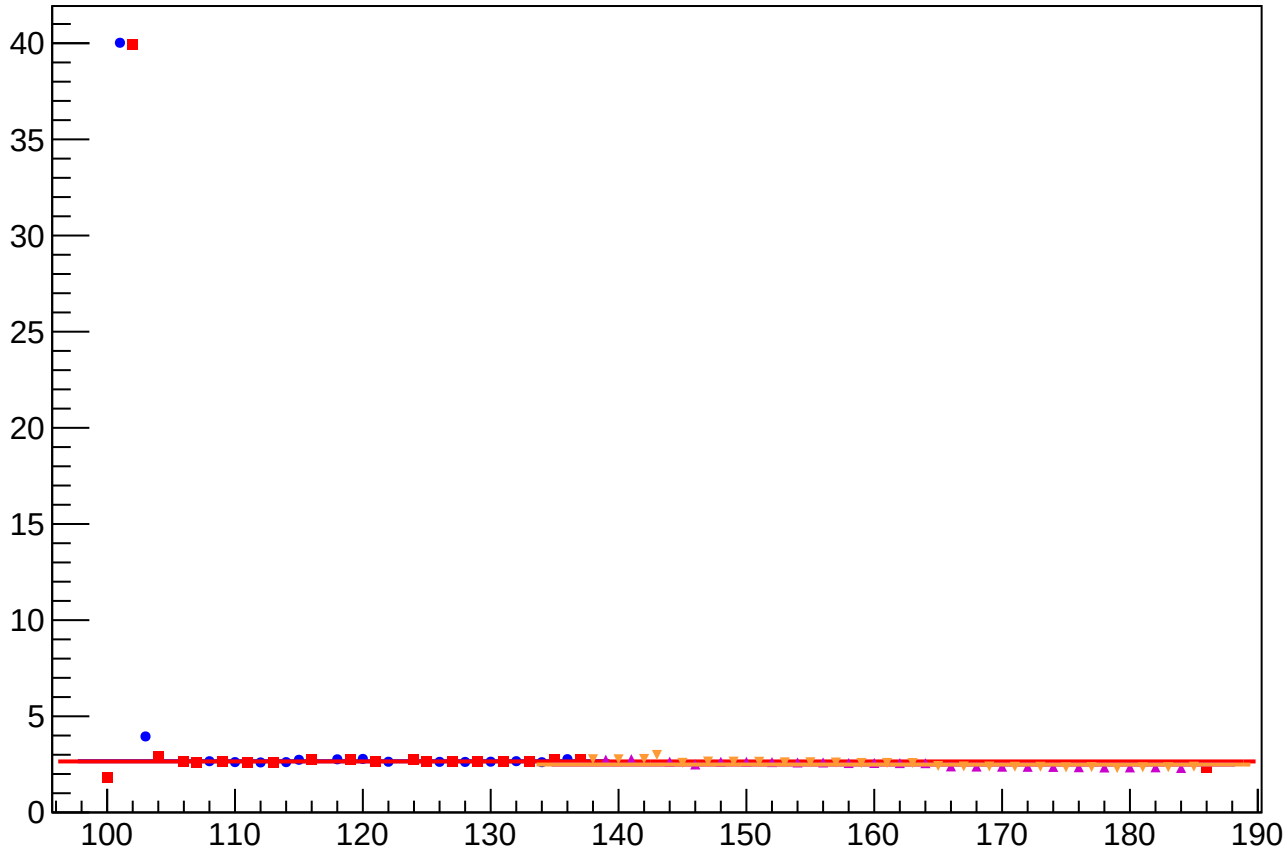
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.017+/-0.000 χ^2/NDF: 2654365.0/40

All: 0.018+/-0.000 χ^2/NDF: 5317511.5/83

- sign 0.018+/-0.000 χ^2/NDF: 2629315.4/42

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.653+/-0.000 χ^2/NDF: 66764580057.7/19

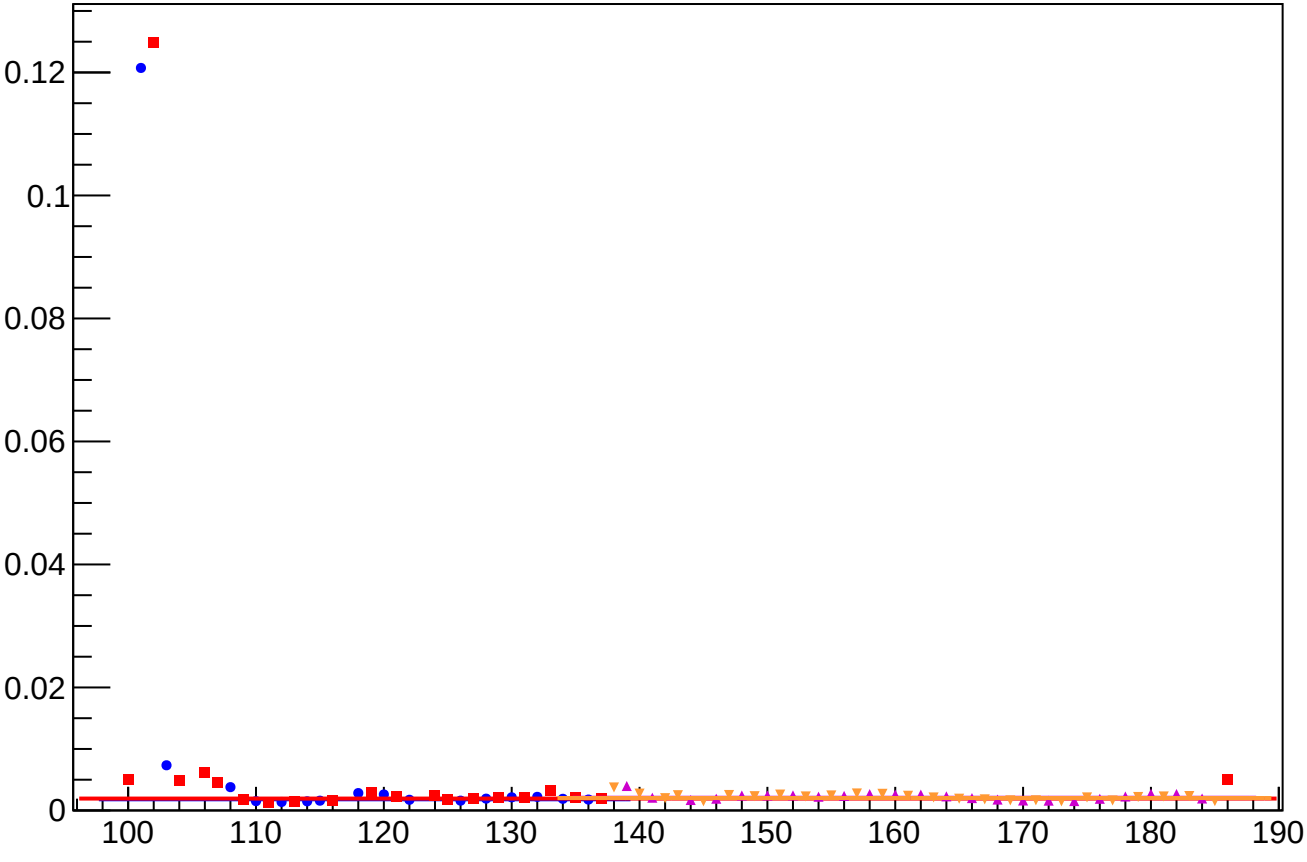
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.539+/-0.000 χ^2/NDF: 191251203994.9/40

All: 2.538+/-0.000 χ^2/NDF: 346336835965.3

- 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: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

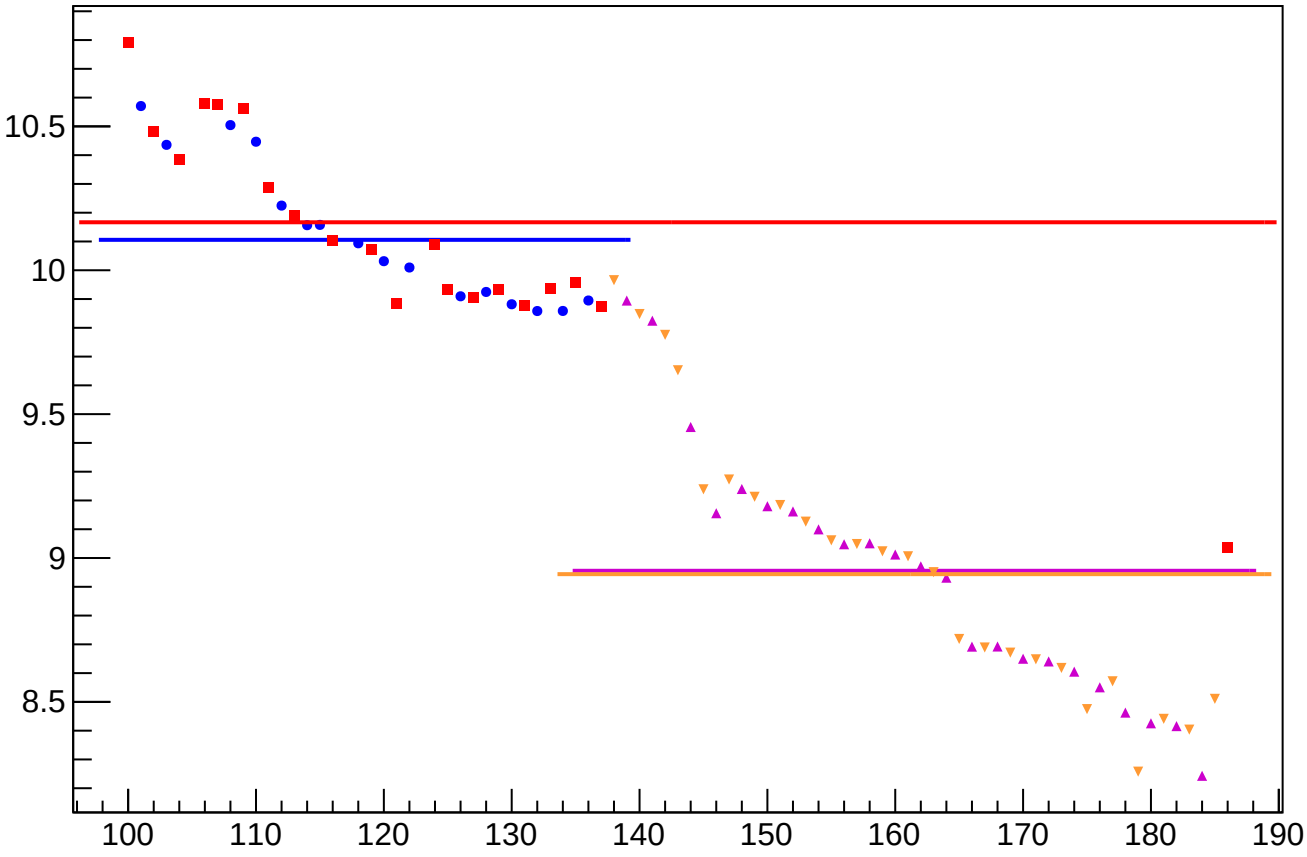
Right Out: 0.002+/-0.000 χ^2/NDF: 2813103.4/19

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 3471342.5/40

All: 0.002+/-0.000 χ^2/NDF: 7741052.1/83

- sign 0.002+/-0.000 χ^2/NDF: 4251196.7/42



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.167+/-0.000 χ^2/NDF: 9810689474.4/19

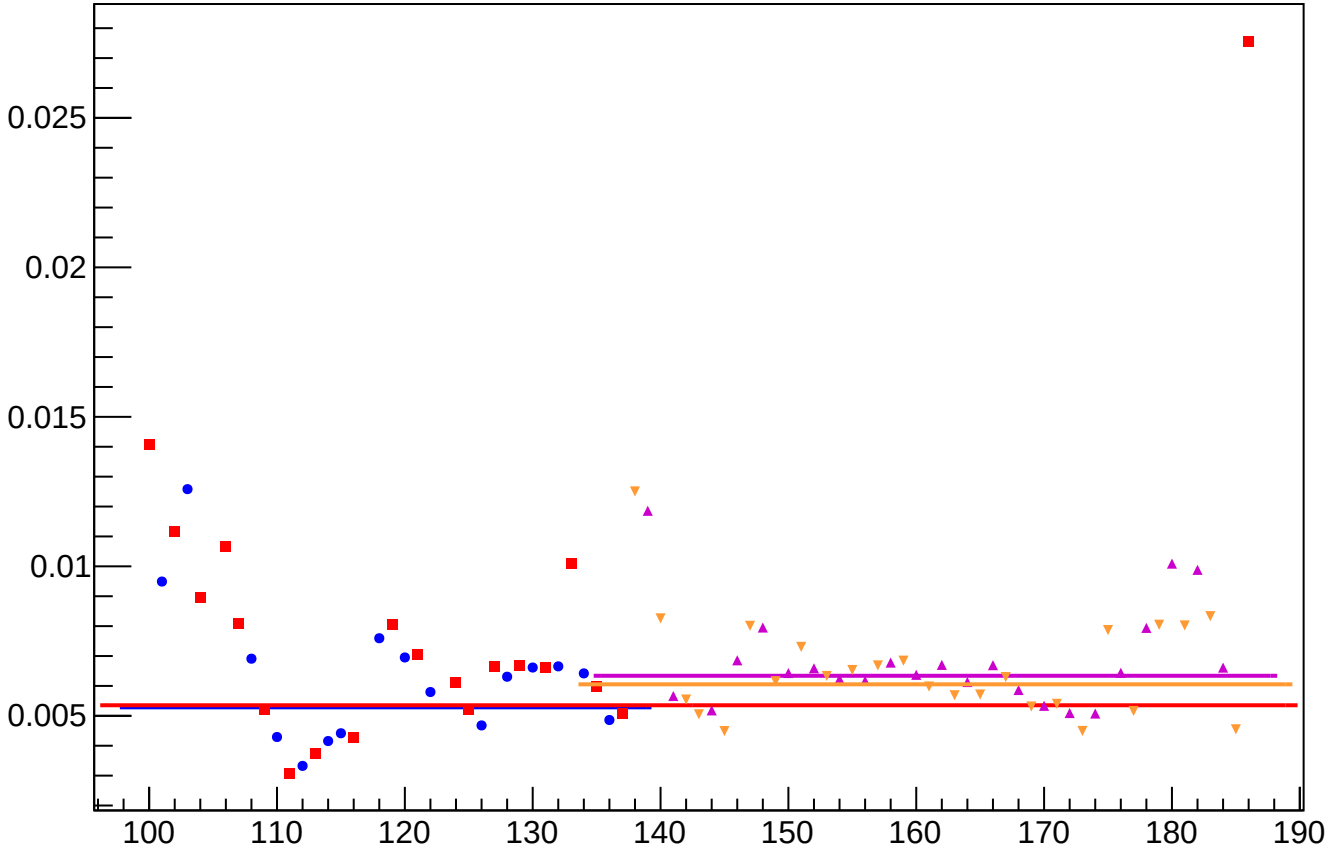
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.312+/-0.000 χ^2/NDF: 253305241914.7/40

All: 9.346+/-0.000 χ^2/NDF: 503547665272.9

- 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: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2313188.7/19

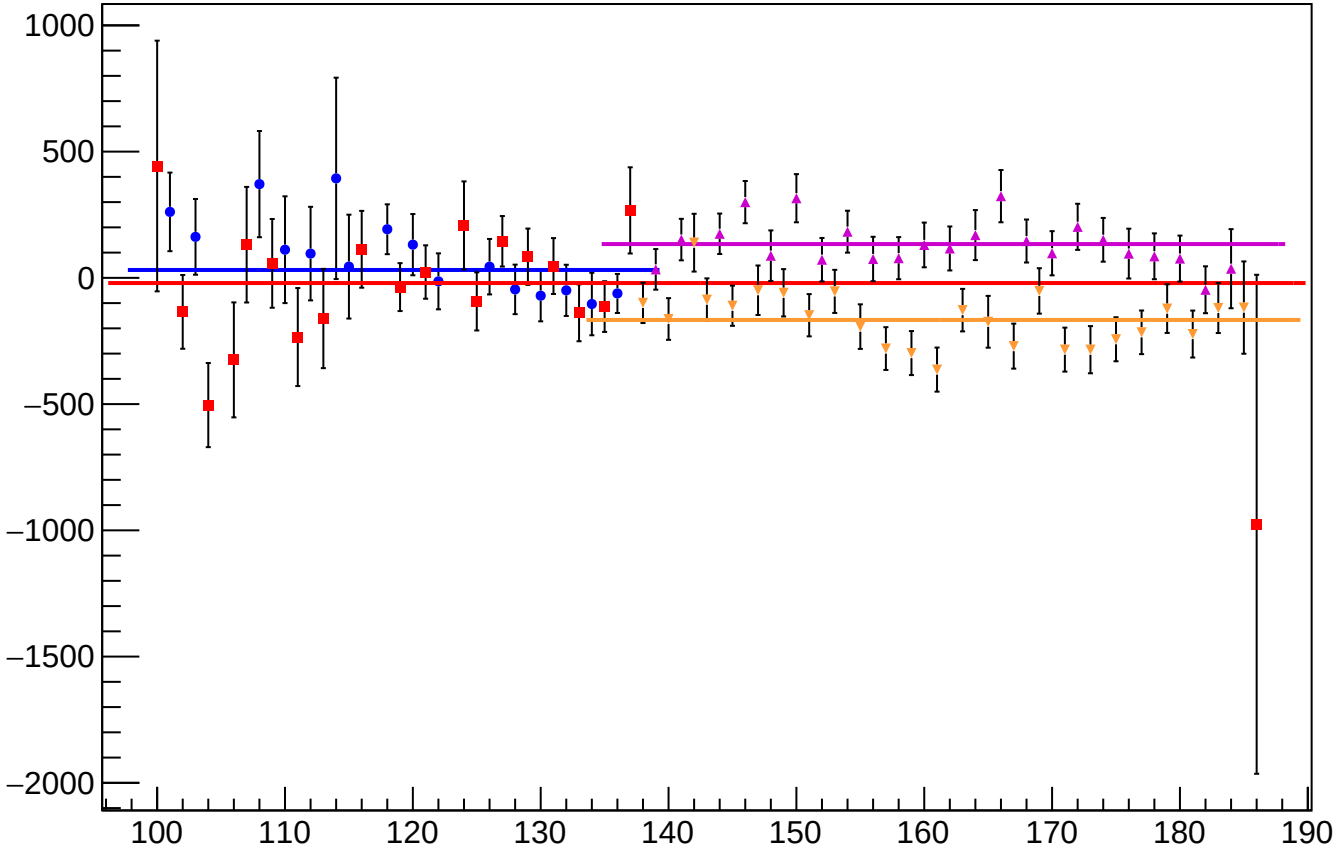
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 2891444.8/40

All: 0.006+/-0.000 χ^2/NDF: 6647665.2/83

- sign 0.006+/-0.000 χ^2/NDF: 3736903.0/42

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -20.517+/-31.043 χ^2/NDF: 26.8/19

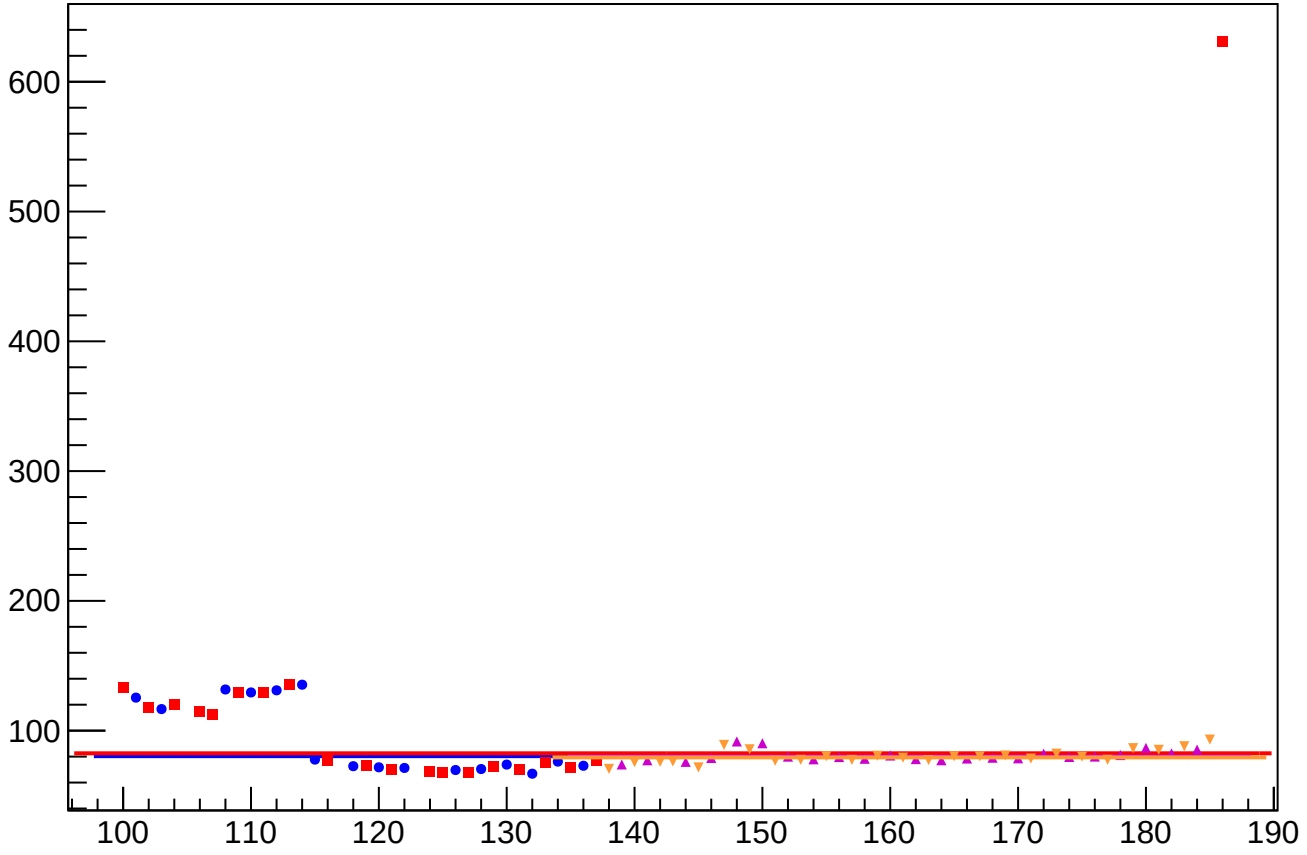
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -115.924+/-15.590 χ^2/NDF: 77.5/40

All: -14.734+/-11.184 χ^2/NDF: 230.0/83

- sign 92.564+/-16.053 χ^2/NDF: 65.7/42

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

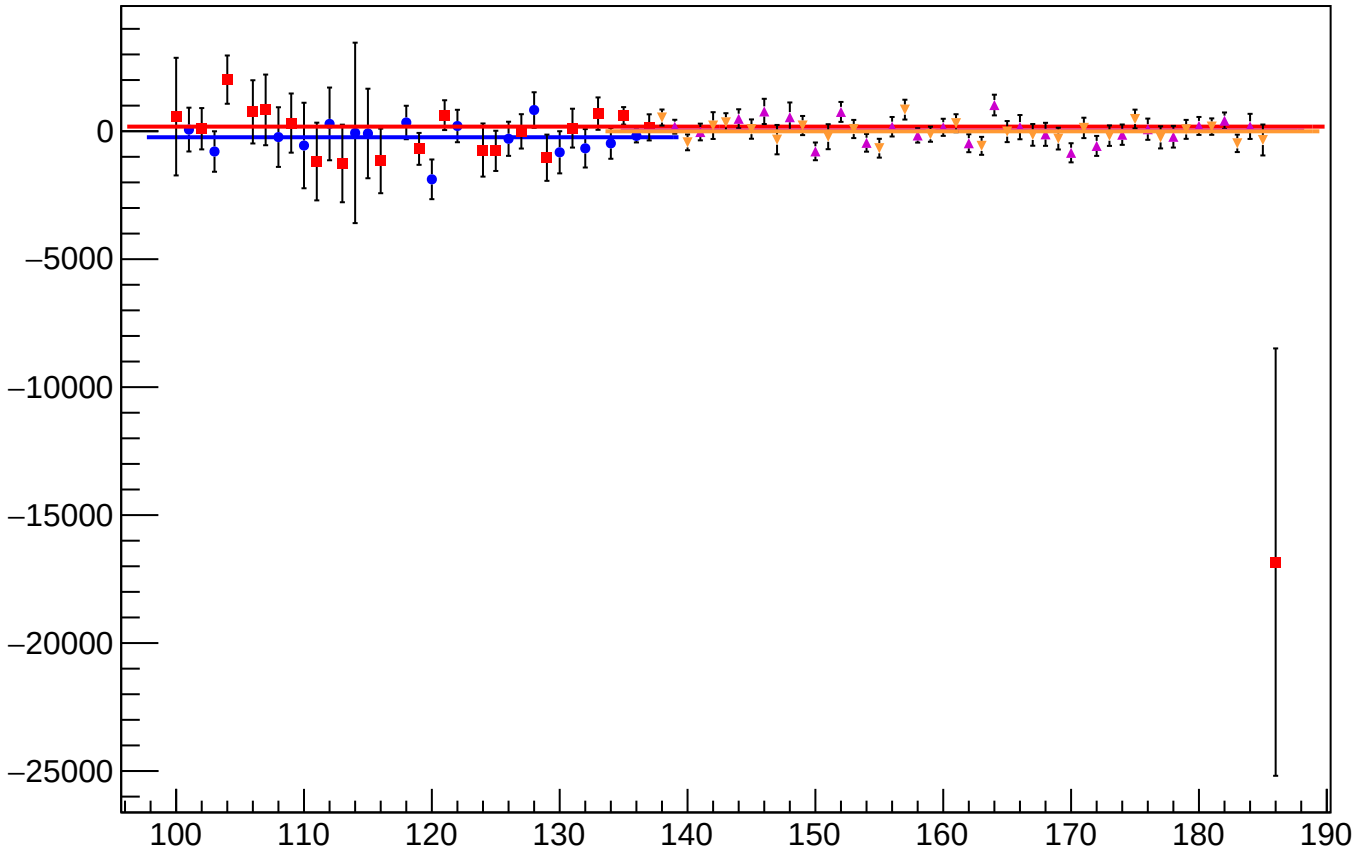
Right Out: 82.535+/-0.022 χ^2/NDF: 1548961.2/19

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

\+ sign 79.652+/-0.011 χ^2/NDF: 976232.7/40

All: 80.207+/-0.008 χ^2/NDF: 2630452.7/83

\- sign 80.795+/-0.011 χ^2/NDF: 1649003.6/42



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 179.532+/-170.359 χ^2/NDF: 20.1/19

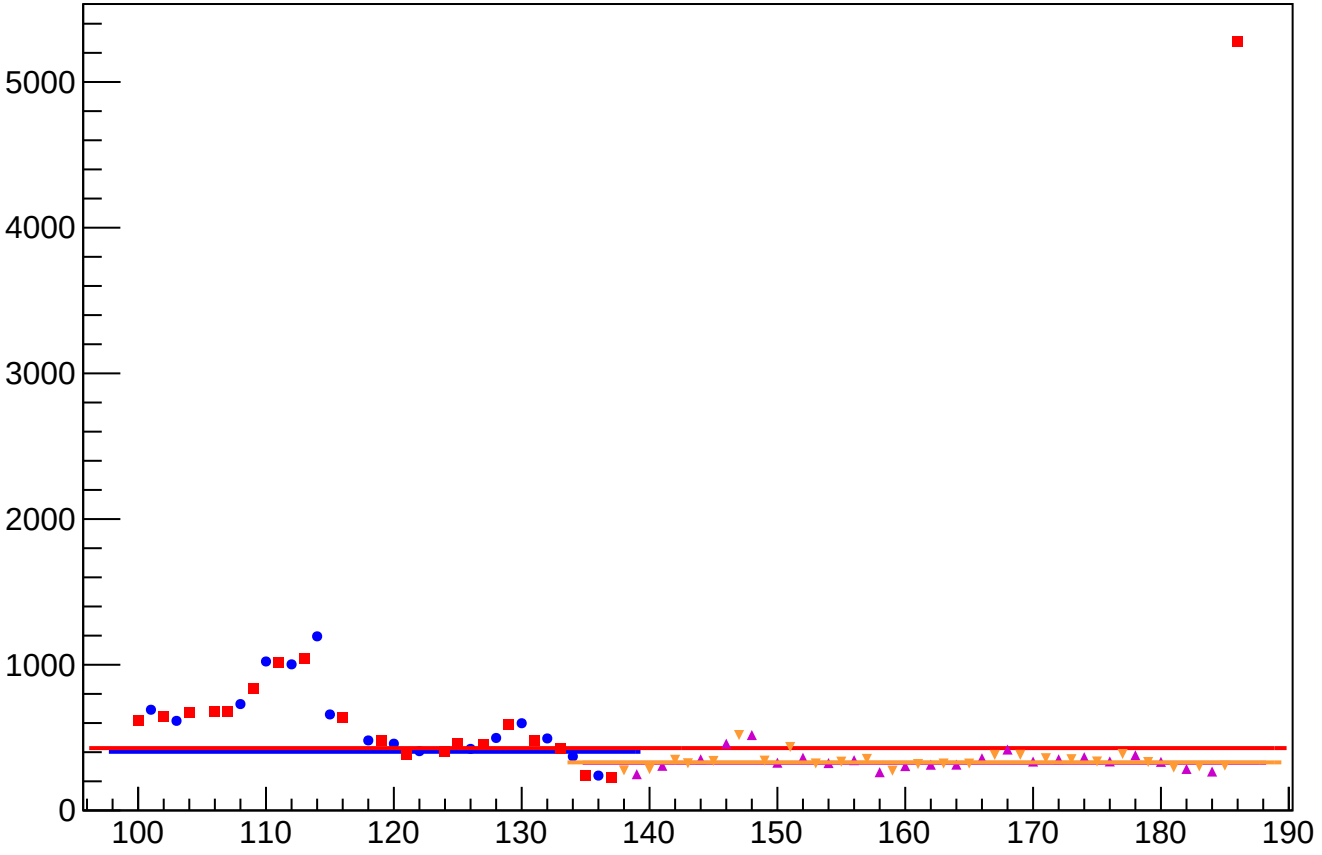
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

\+ sign -44.472+/-68.836 χ^2/NDF: 35.6/40

All: 0.025+/-49.277 χ^2/NDF: 92.4/83

\- sign 46.797+/-70.574 χ^2/NDF: 55.9/42

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 427.999+/-0.120 χ^2/NDF: 3043461.0/19

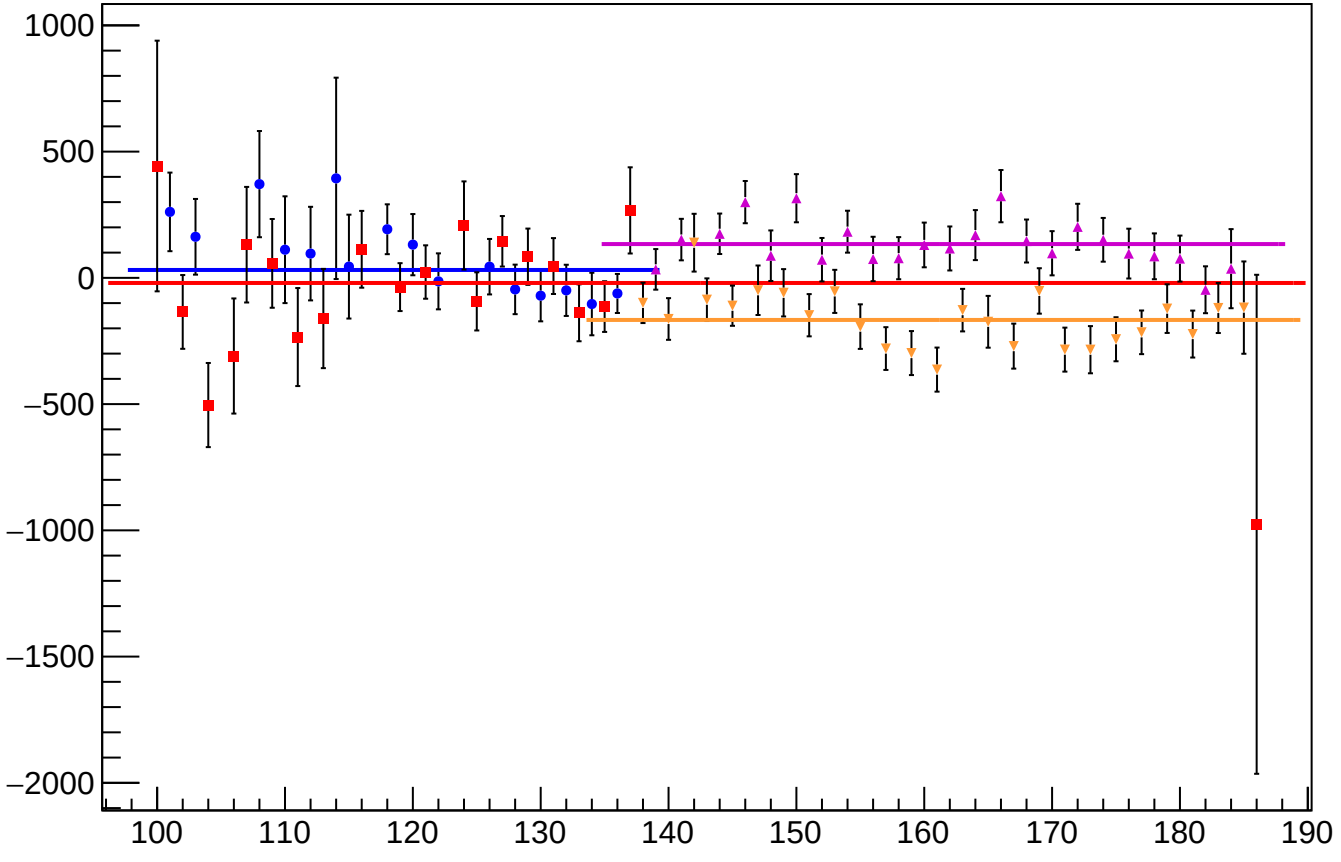
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 342.811+/-0.049 χ^2/NDF: 3343752.5/40

All: 343.538+/-0.035 χ^2/NDF: 7869747.3/83

- sign 344.303+/-0.050 χ^2/NDF: 4525536.7/42

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -20.226+/-31.044 χ^2/NDF: 26.7/19

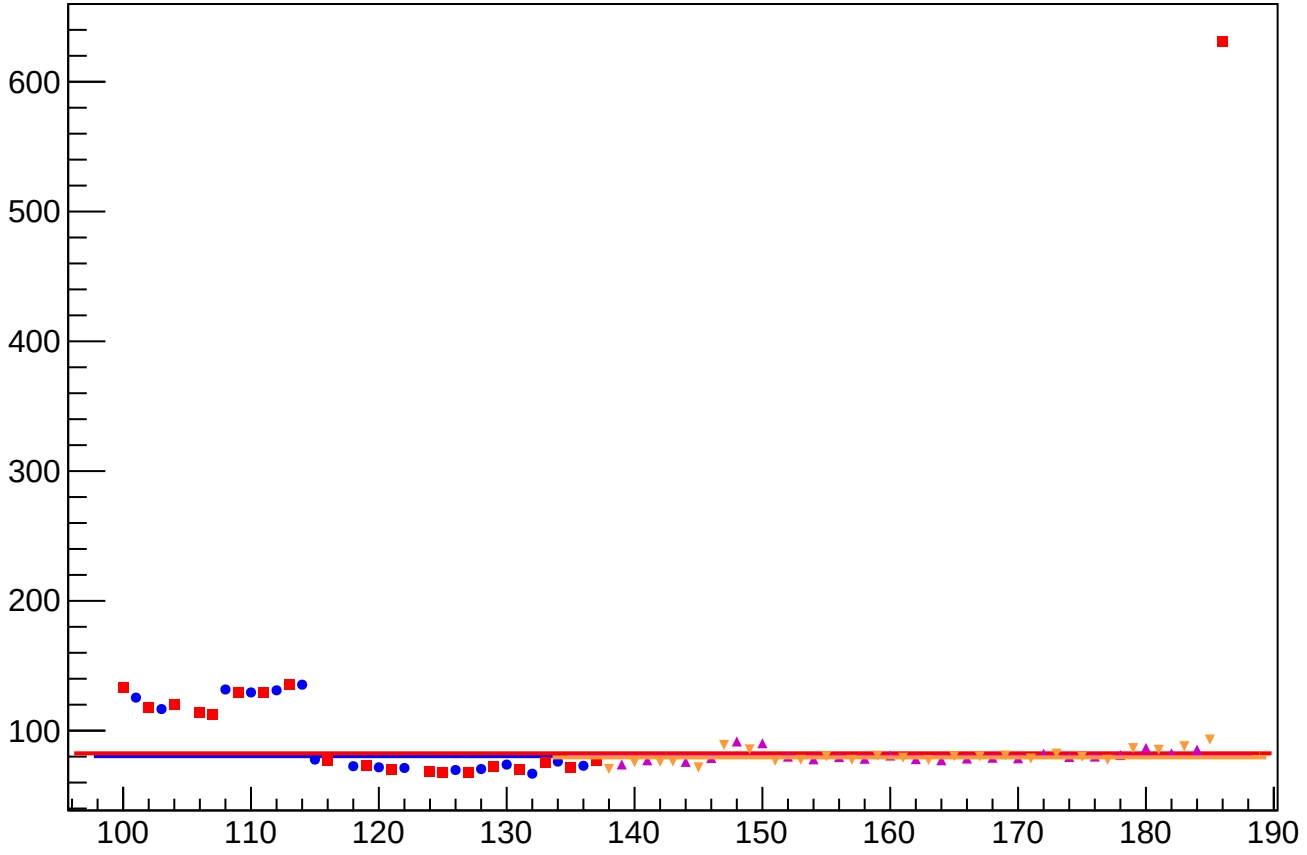
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -115.920+/-15.590 χ^2/NDF: 77.5/40

All: -14.692+/-11.184 χ^2/NDF: 229.8/83

- sign 92.649+/-16.053 χ^2/NDF: 65.4/42

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

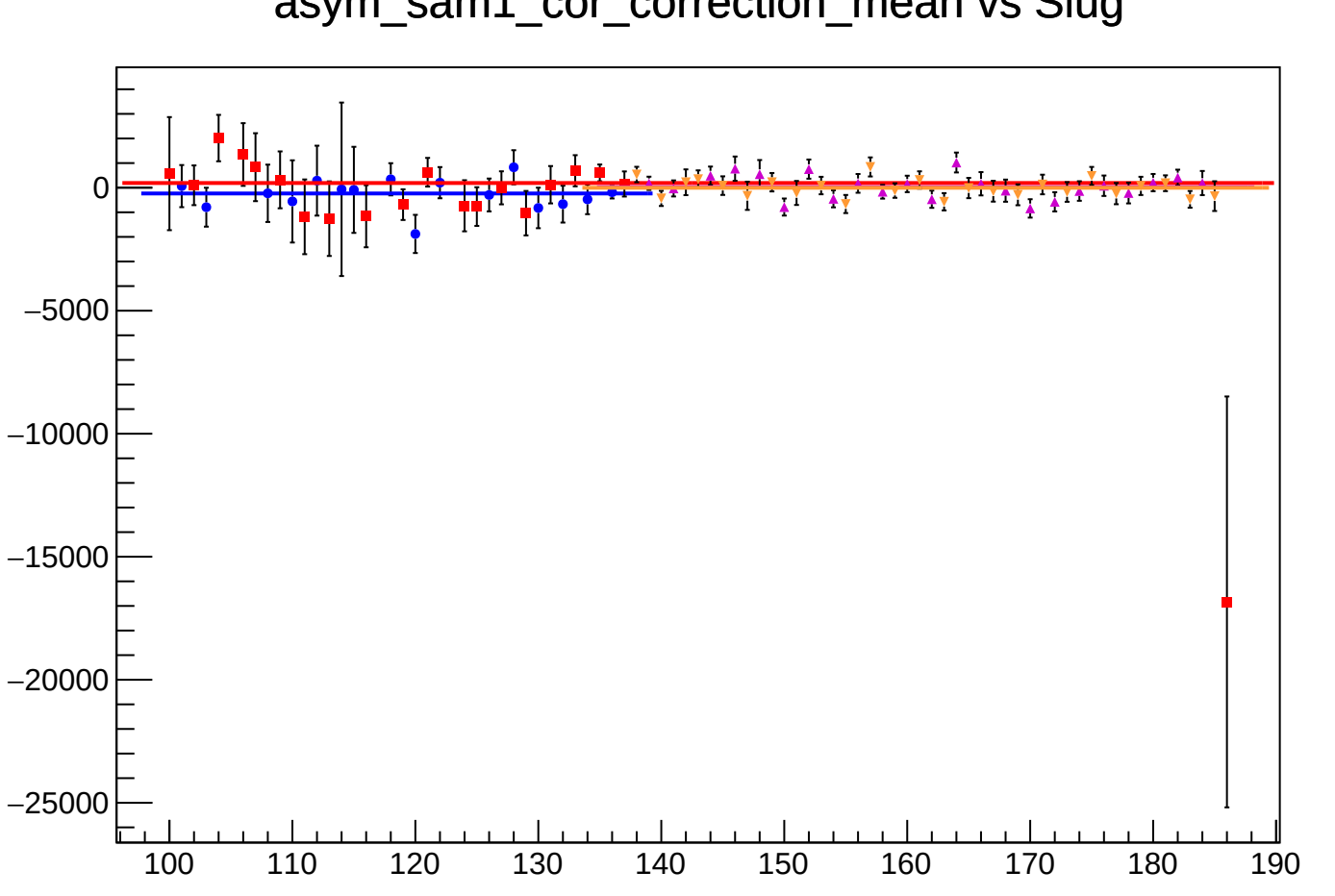
Right Out: 82.520+/-0.022 χ^2/NDF: 1547123.7/19

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

\+ sign 79.652+/-0.011 χ^2/NDF: 976232.9/40

All: 80.205+/-0.008 χ^2/NDF: 2628470.3/83

\- sign 80.791+/-0.011 χ^2/NDF: 1647057.8/42



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 189.480+/-170.457 χ^2/NDF: 20.7/19

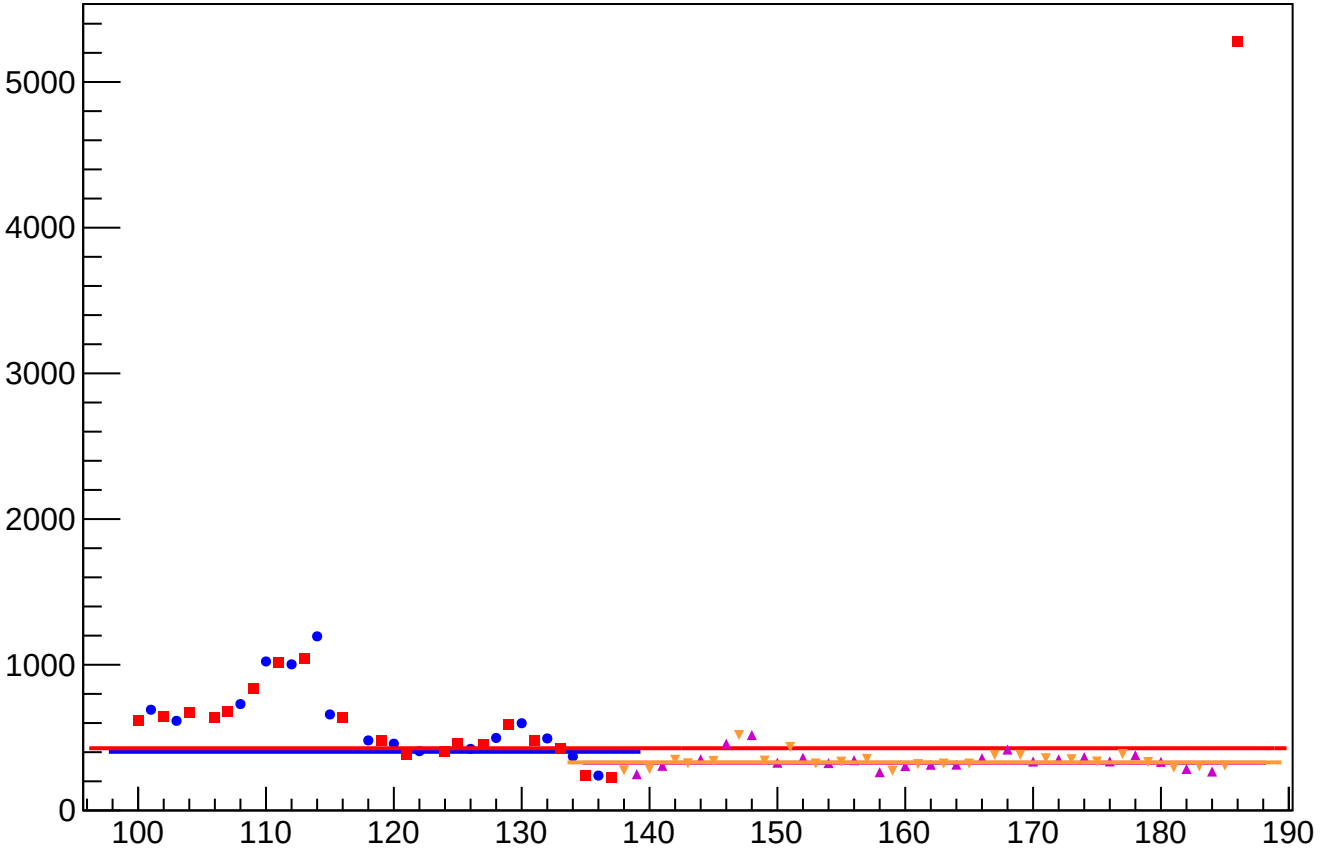
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

\+ sign -44.471+/-68.836 χ^2/NDF: 35.6/40

All: 0.842+/-49.280 χ^2/NDF: 93.1/83

\- sign 48.482+/-70.581 χ^2/NDF: 56.6/42

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 427.010+/-0.121 χ^2/NDF: 3015971.4/19

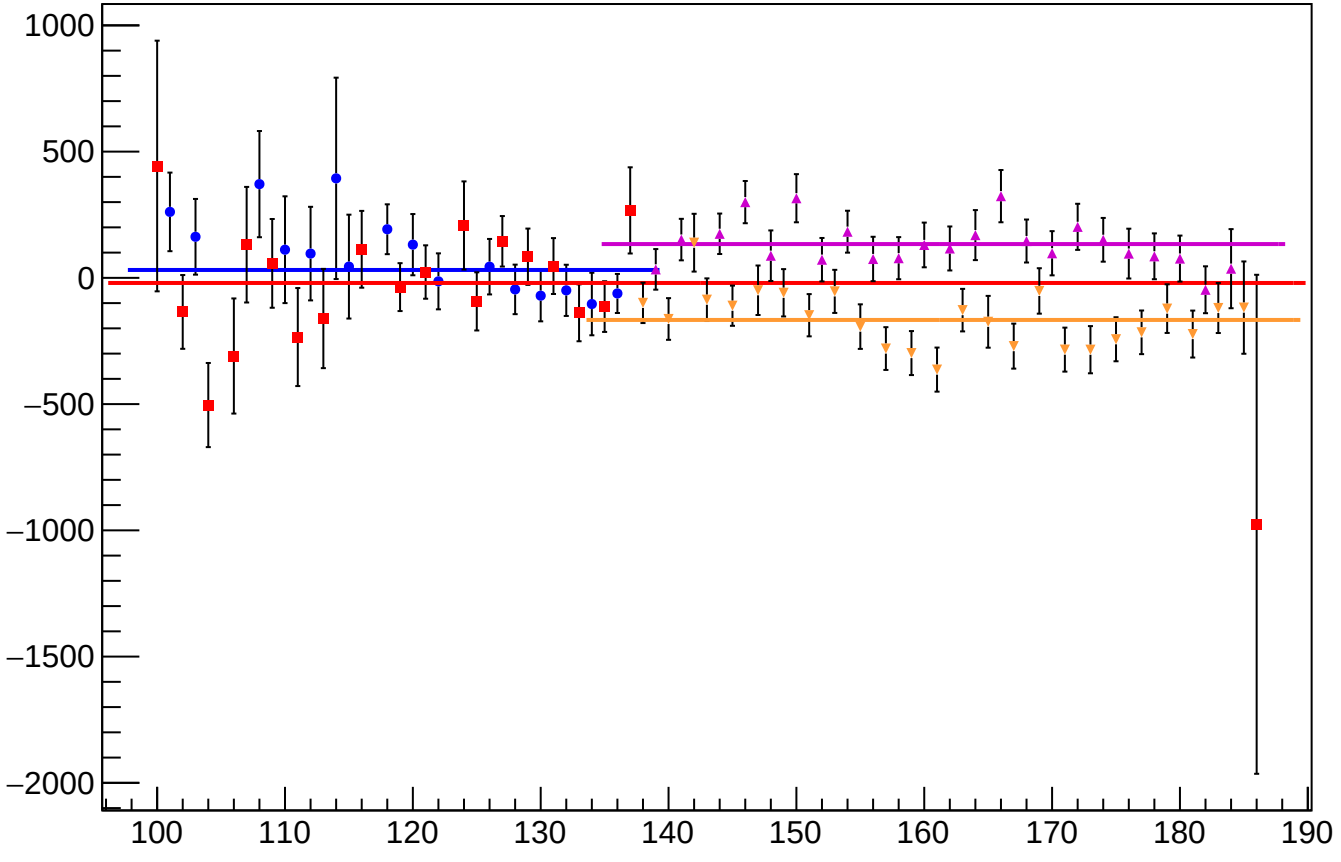
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 342.811+/-0.049 χ^2/NDF: 3343758.8/40

All: 343.447+/-0.035 χ^2/NDF: 7830260.9/83

- sign 344.117+/-0.050 χ^2/NDF: 4486151.1/42

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -20.226+/-31.044 χ^2/NDF: 26.7/19

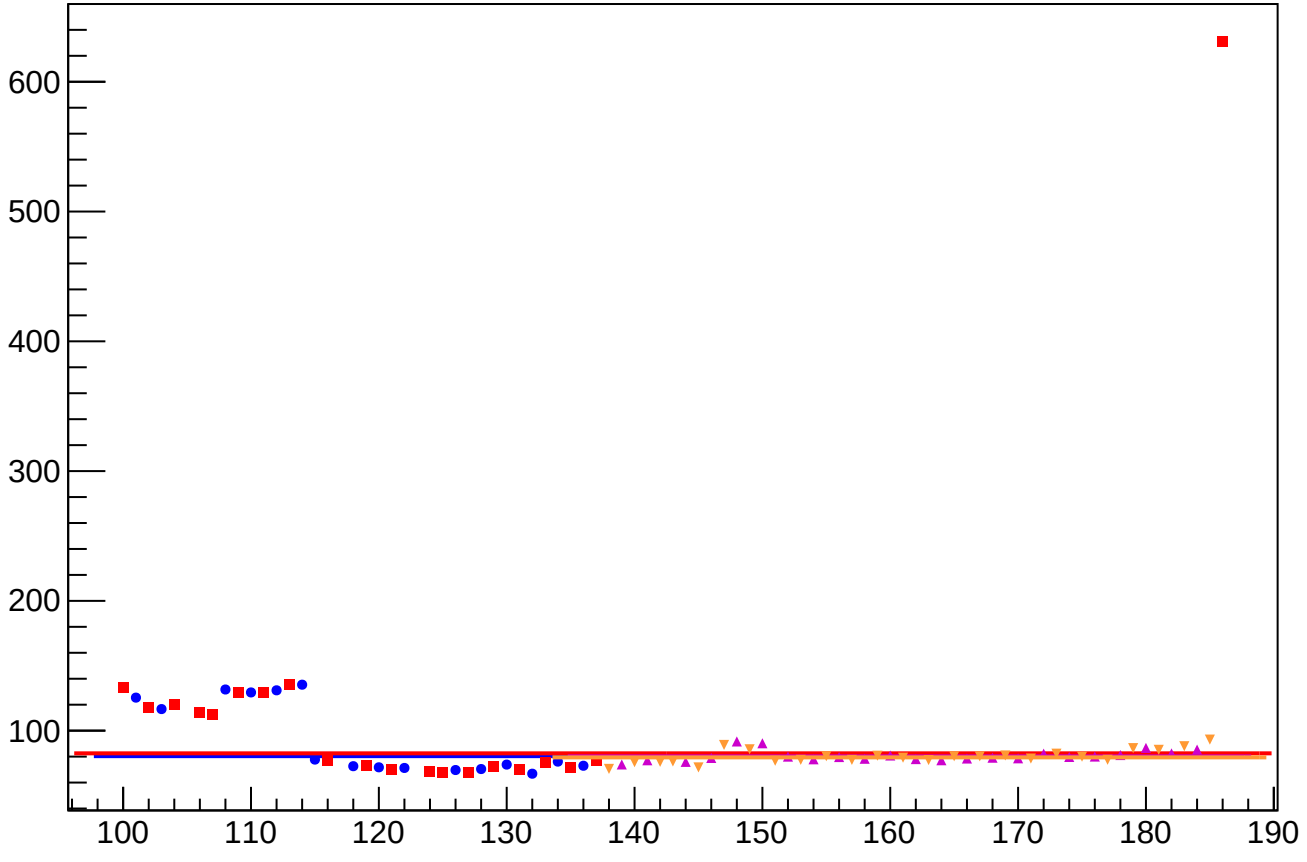
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -115.920+/-15.590 χ^2/NDF: 77.5/40

All: -14.692+/-11.184 χ^2/NDF: 229.8/83

- sign 92.649+/-16.053 χ^2/NDF: 65.4/42

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 82.520+/-0.022 χ^2/NDF: 1547123.7/19

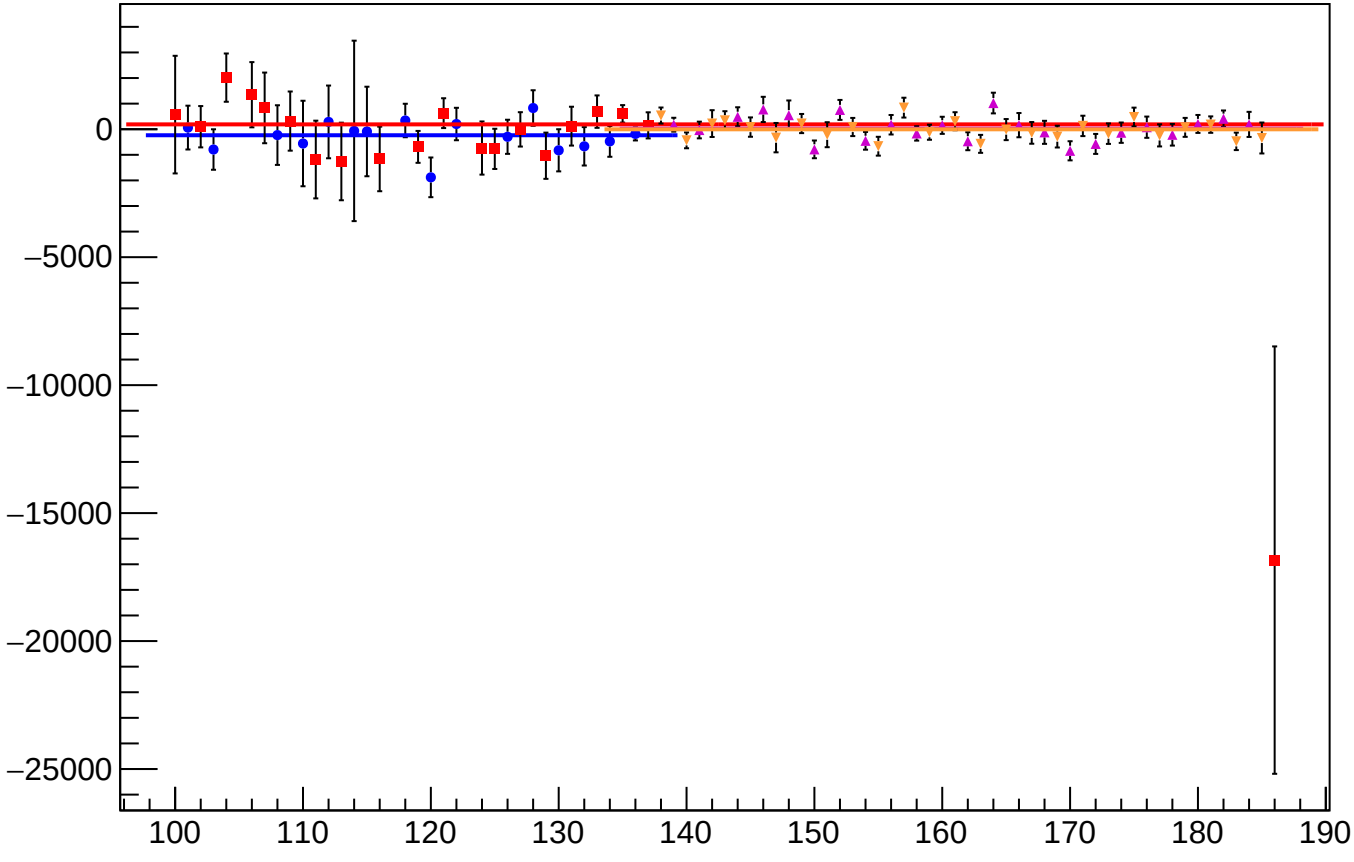
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.652+/-0.011 χ^2/NDF: 976232.9/40

All: 80.205+/-0.008 χ^2/NDF: 2628470.3/83

- sign 80.791+/-0.011 χ^2/NDF: 1647057.8/42

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 189.480+/-170.457 χ^2/NDF: 20.7/19

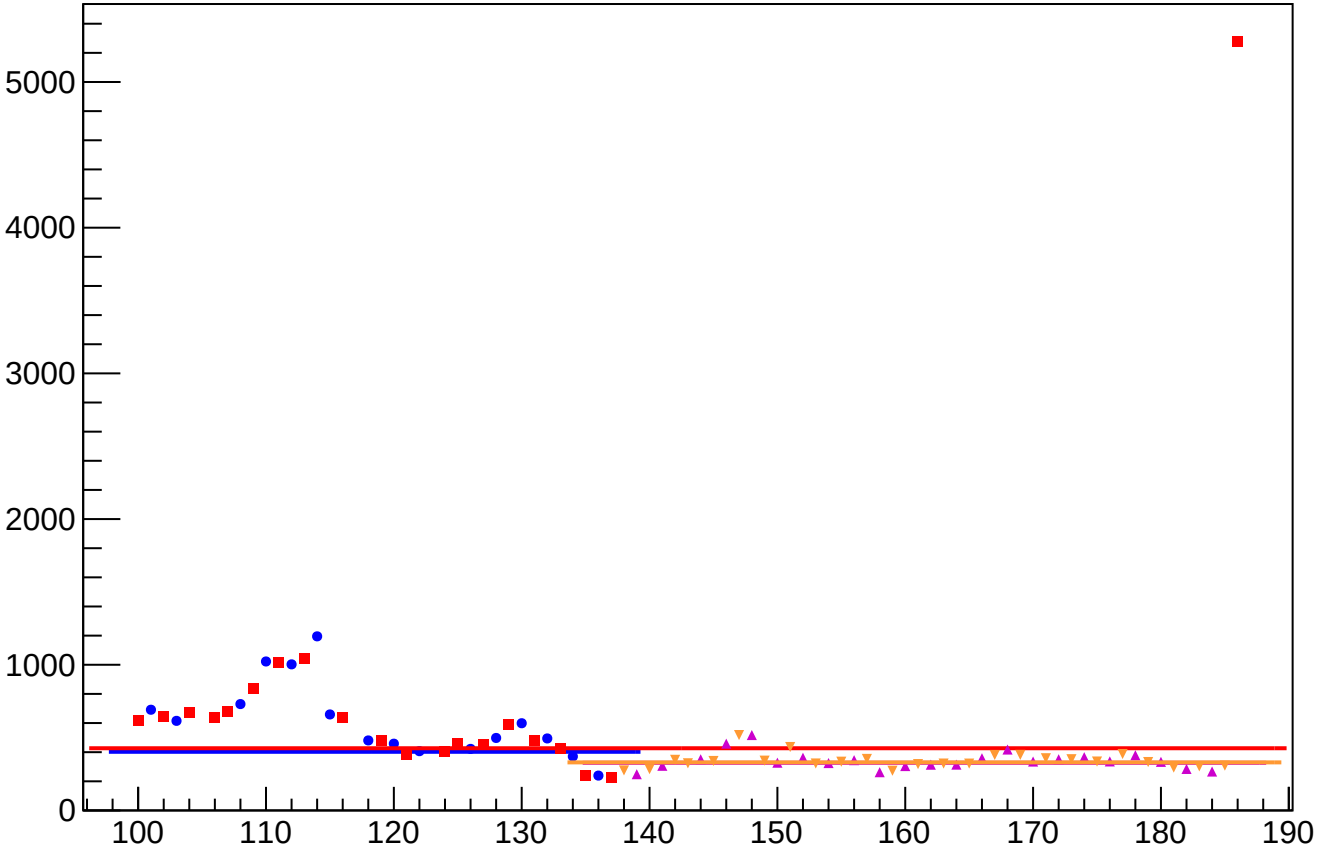
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -44.471+/-68.836 χ^2/NDF: 35.6/40

All: 0.842+/-49.280 χ^2/NDF: 93.1/83

- sign 48.482+/-70.581 χ^2/NDF: 56.6/42

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 427.010+/-0.121 χ^2/NDF: 3015971.4/19

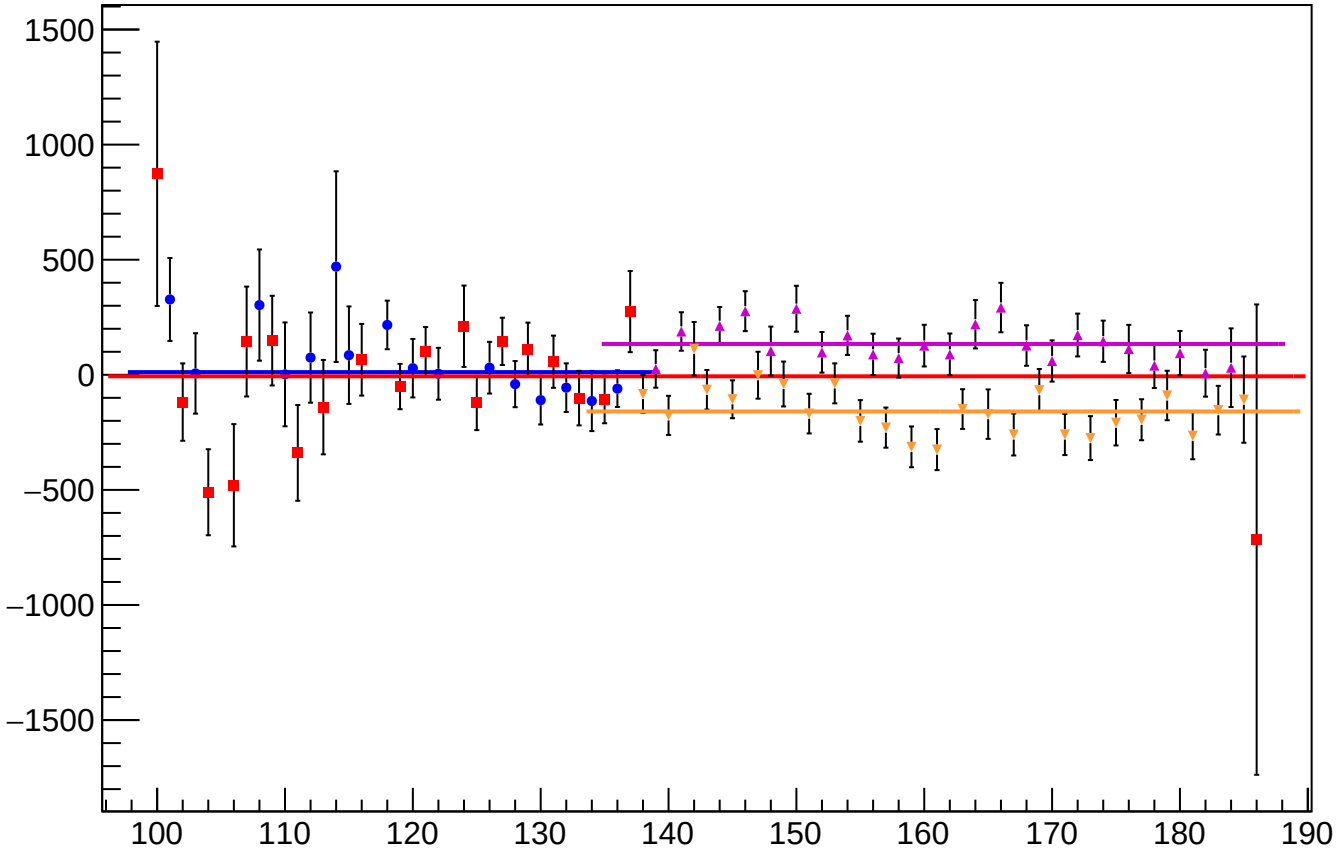
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 342.811+/-0.049 χ^2/NDF: 3343758.8/40

All: 343.447+/-0.035 χ^2/NDF: 7830260.9/83

- sign 344.117+/-0.050 χ^2/NDF: 4486151.1/42

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -6.533+/-32.427 χ^2/NDF: 29.3/19

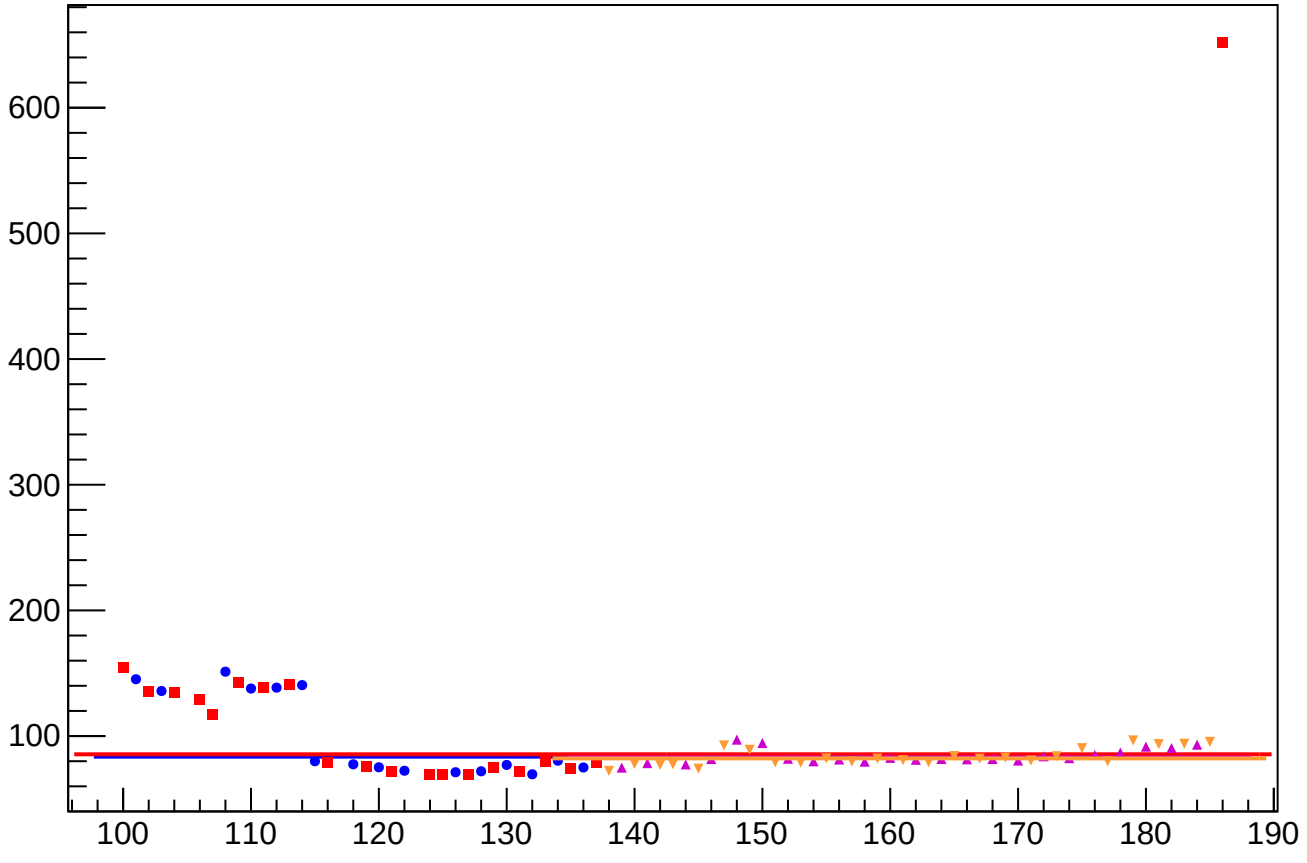
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -116.152+/-16.215 χ^2/NDF: 62.6/40

All: -12.622+/-11.625 χ^2/NDF: 206.0/83

- sign 96.851+/-16.674 χ^2/NDF: 59.5/42

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 85.484+/-0.023 χ^2/NDF: 1736856.3/19

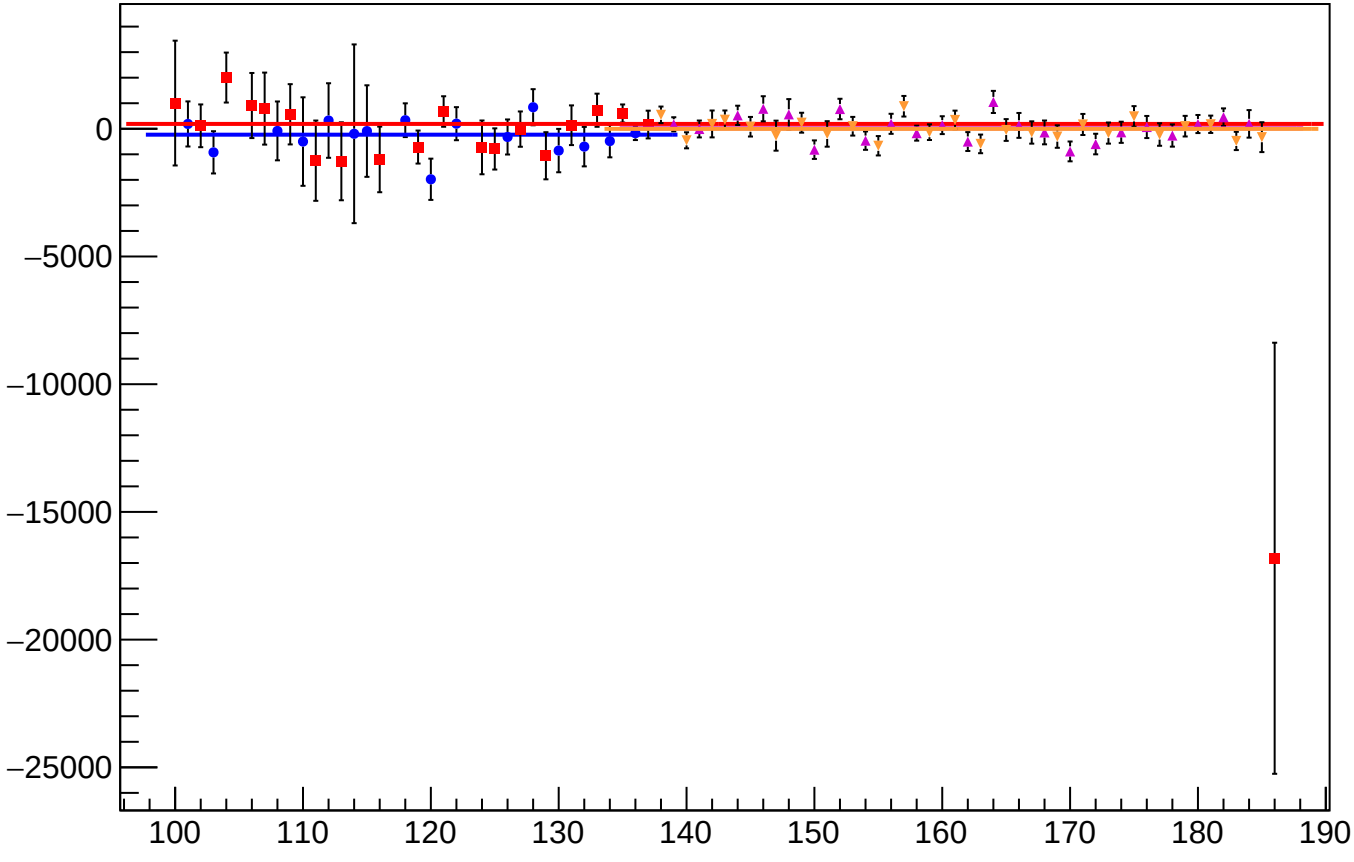
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 82.603+/-0.011 χ^2/NDF: 1254193.2/40

All: 83.112+/-0.008 χ^2/NDF: 3149408.8/83

- sign 83.652+/-0.012 χ^2/NDF: 1891146.6/42

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 189.801+/-176.053 χ^2/NDF: 20.0/19

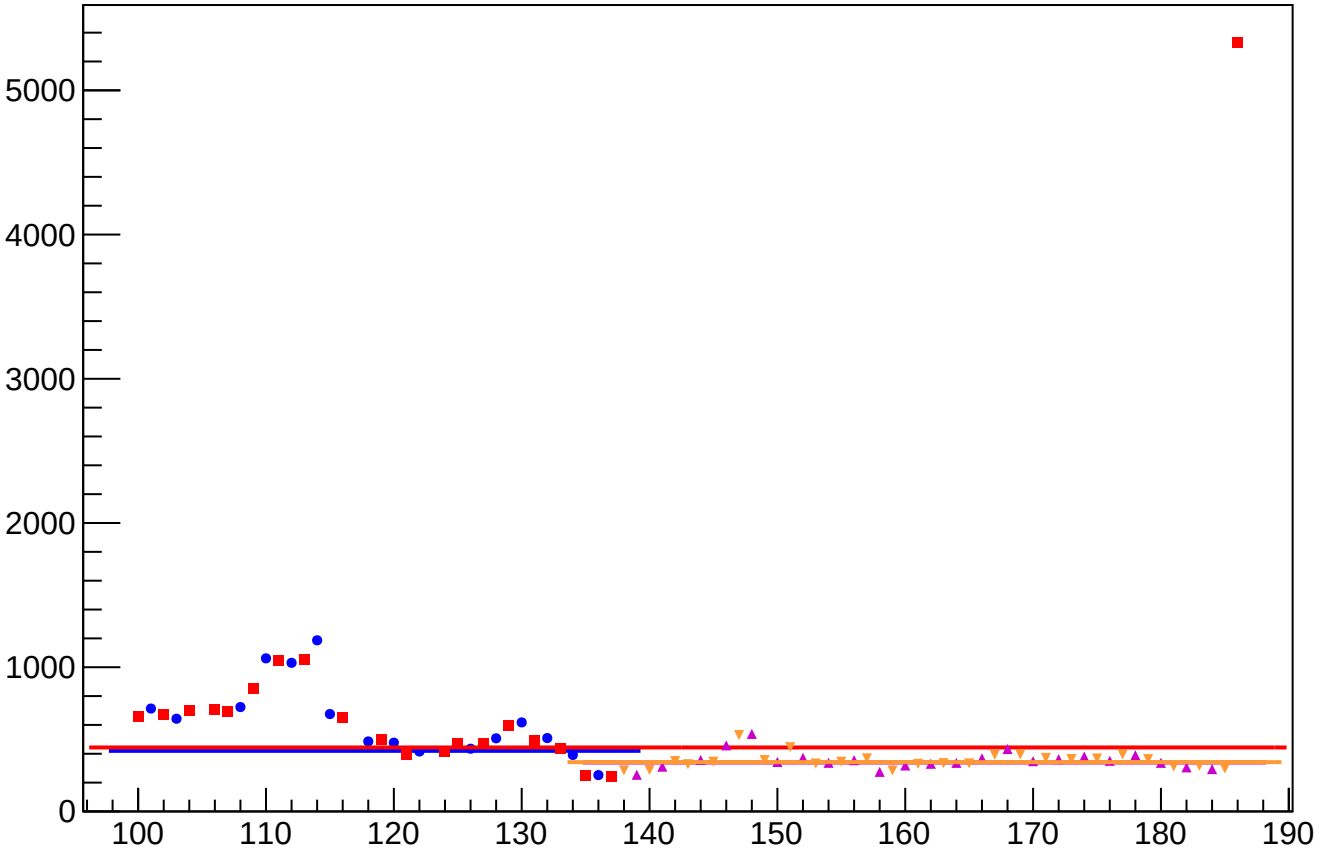
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -43.238+/-71.340 χ^2/NDF: 35.4/40

All: 0.477+/-51.070 χ^2/NDF: 91.8/83

- sign 46.428+/-73.142 χ^2/NDF: 55.7/42

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 443.726+/-0.124 χ^2/NDF: 2978790.7/19

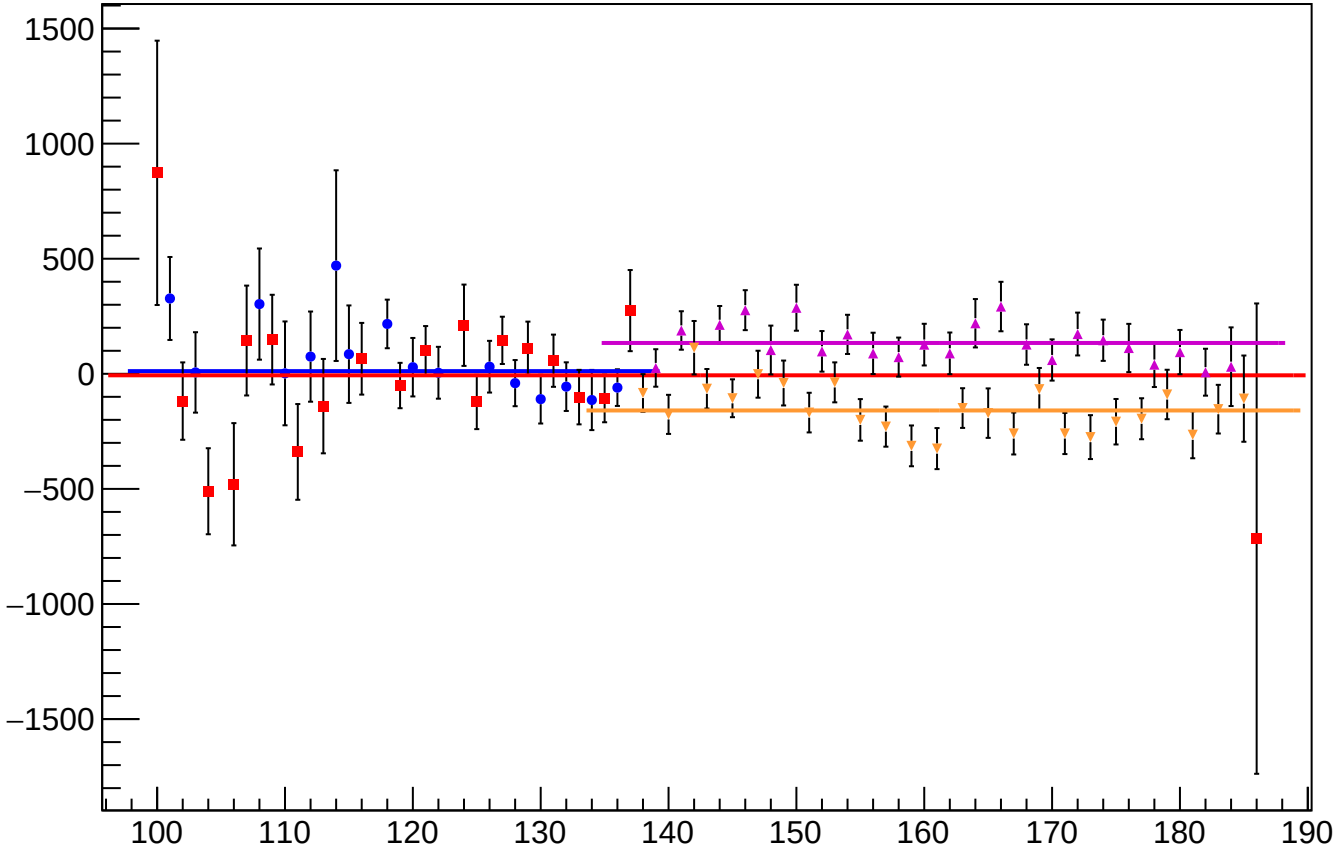
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 355.705+/-0.050 χ^2/NDF: 3258673.7/40

All: 356.546+/-0.036 χ^2/NDF: 7665501.8/83

- sign 357.431+/-0.052 χ^2/NDF: 4406256.8/42

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -6.532+/-32.427 χ^2/NDF: 29.3/19

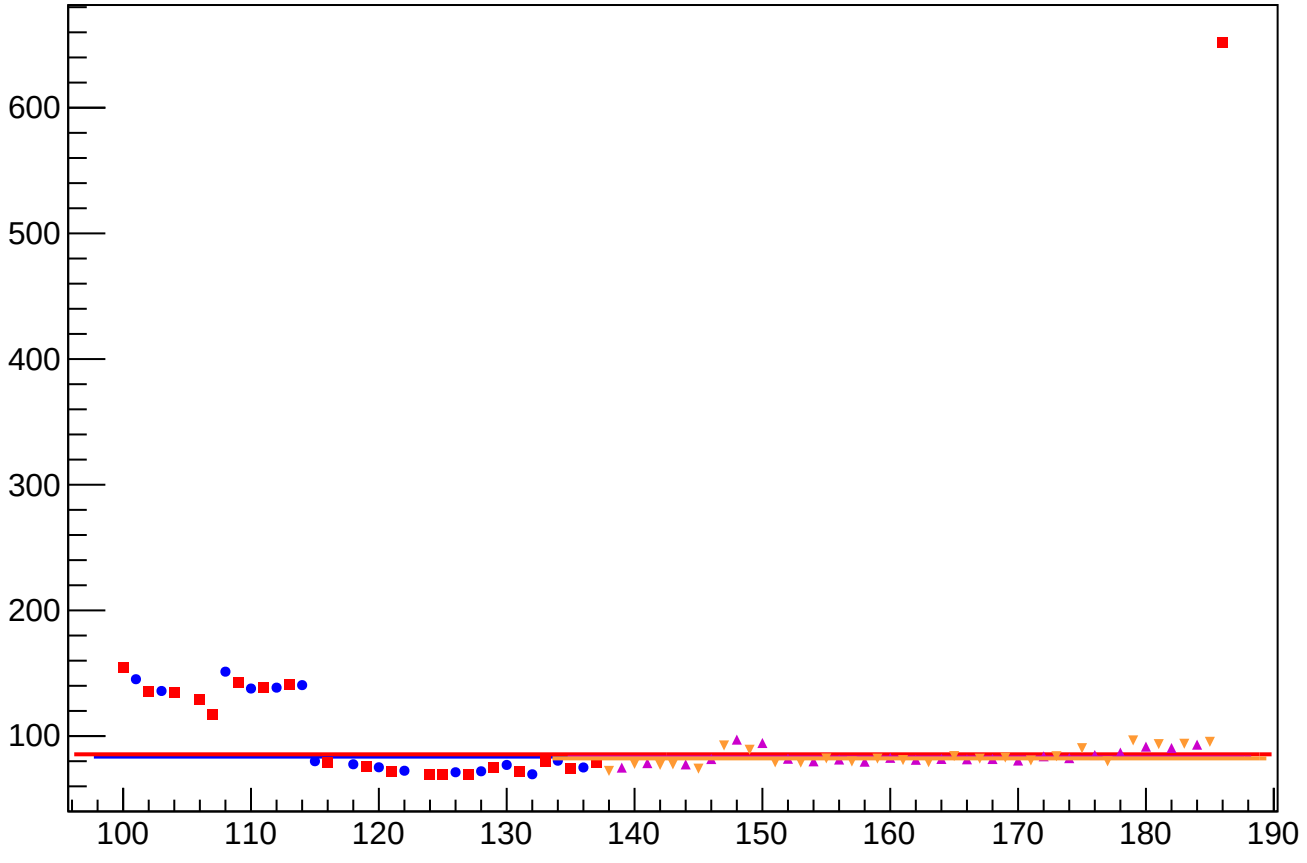
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -116.152+/-16.215 χ^2/NDF: 62.6/40

All: -12.622+/-11.625 χ^2/NDF: 206.0/83

- sign 96.852+/-16.674 χ^2/NDF: 59.5/42

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 85.484+/-0.023 χ^2/NDF: 1736855.4/19

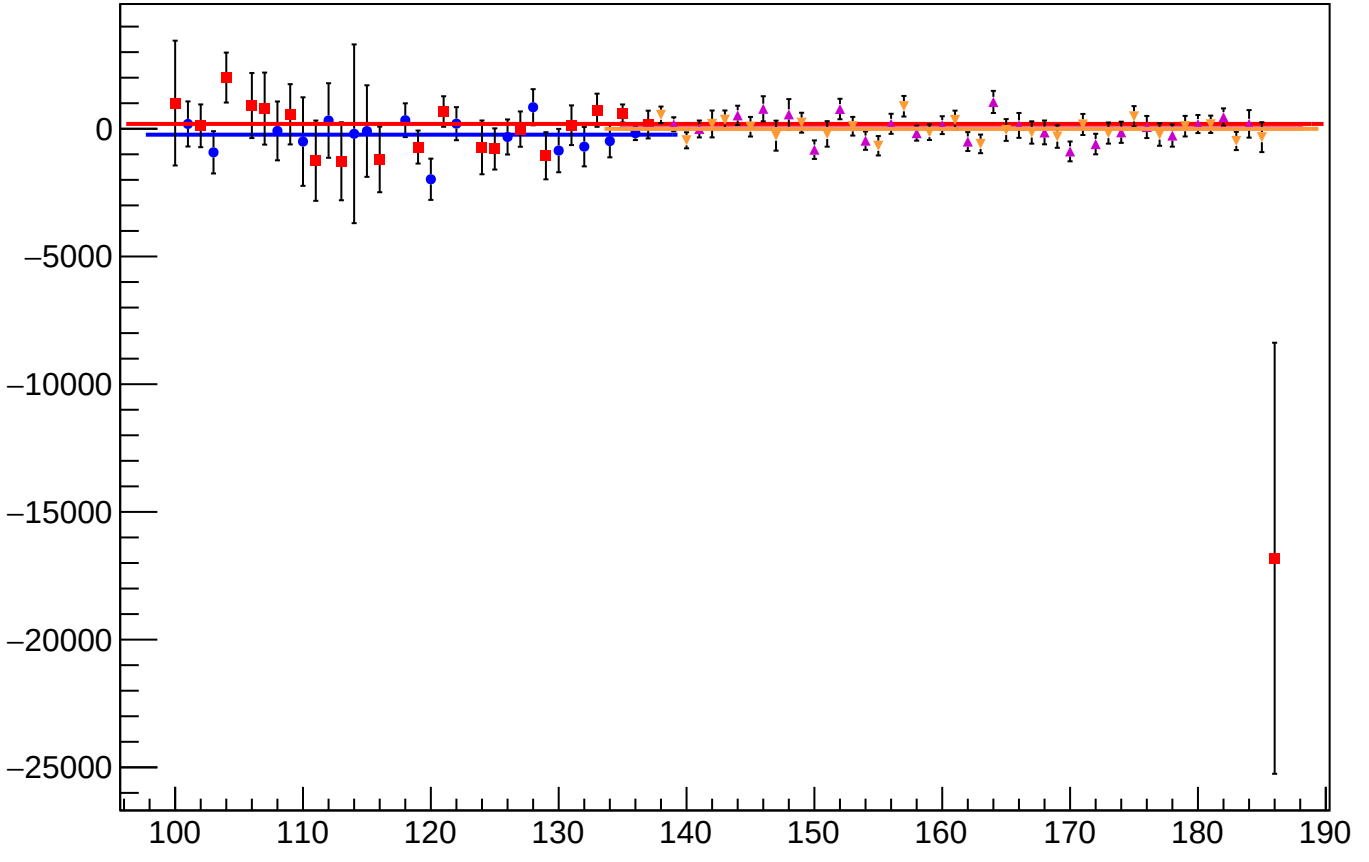
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 82.603+/-0.011 χ^2/NDF: 1254192.7/40

All: 83.112+/-0.008 χ^2/NDF: 3149405.6/83

- sign 83.652+/-0.012 χ^2/NDF: 1891144.0/42

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 189.801+/-176.052 χ^2/NDF: 20.0/19

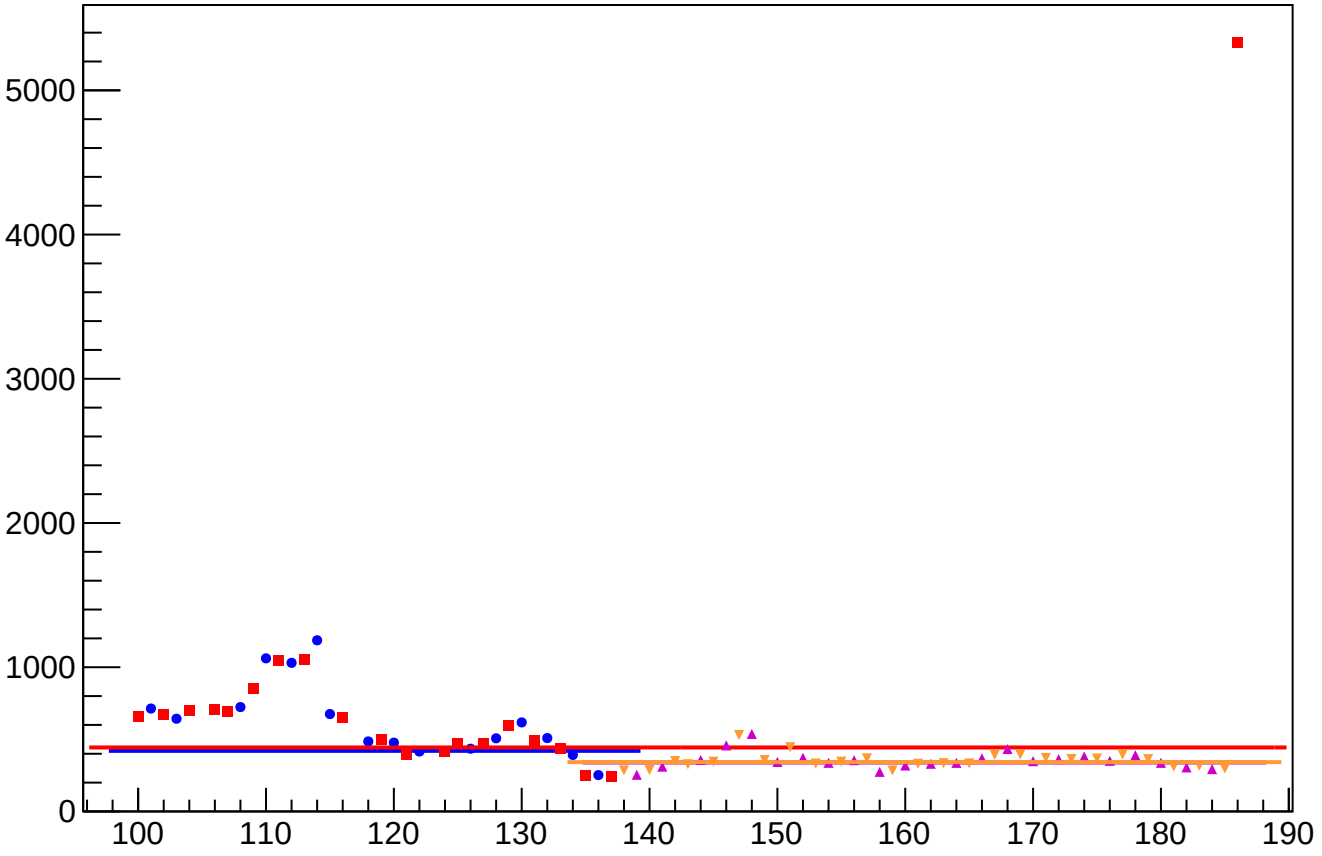
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -43.237+/-71.340 χ^2/NDF: 35.4/40

All: 0.477+/-51.070 χ^2/NDF: 91.8/83

- sign 46.428+/-73.142 χ^2/NDF: 55.7/42

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 443.725+/-0.124 χ^2/NDF: 2978797.5/19

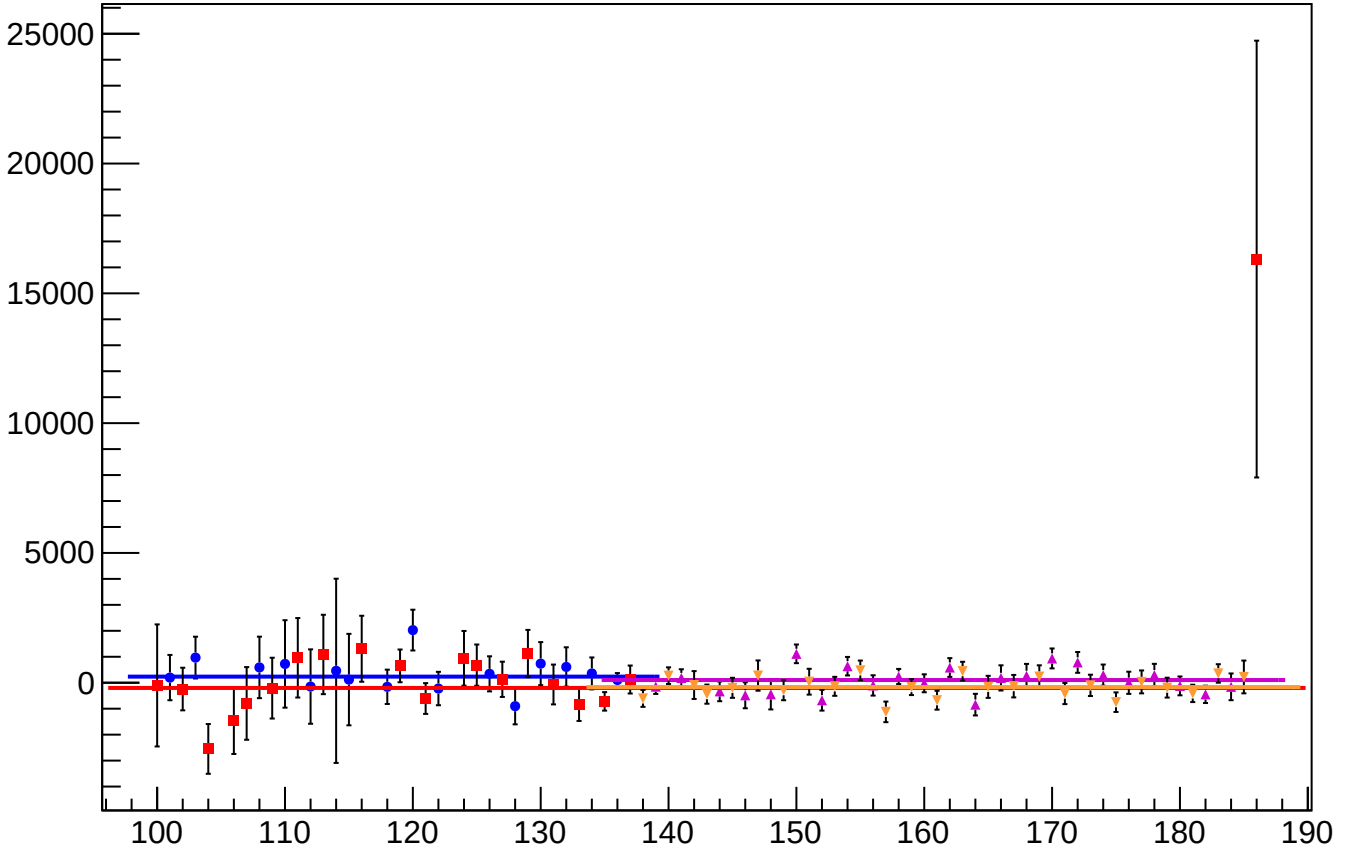
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 355.704+/-0.050 χ^2/NDF: 3258676.0/40

All: 356.546+/-0.036 χ^2/NDF: 7665507.4/83

- sign 357.431+/-0.052 χ^2/NDF: 4406260.2/42

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -200.811+/-174.678 χ^2/NDF: 24.2/19

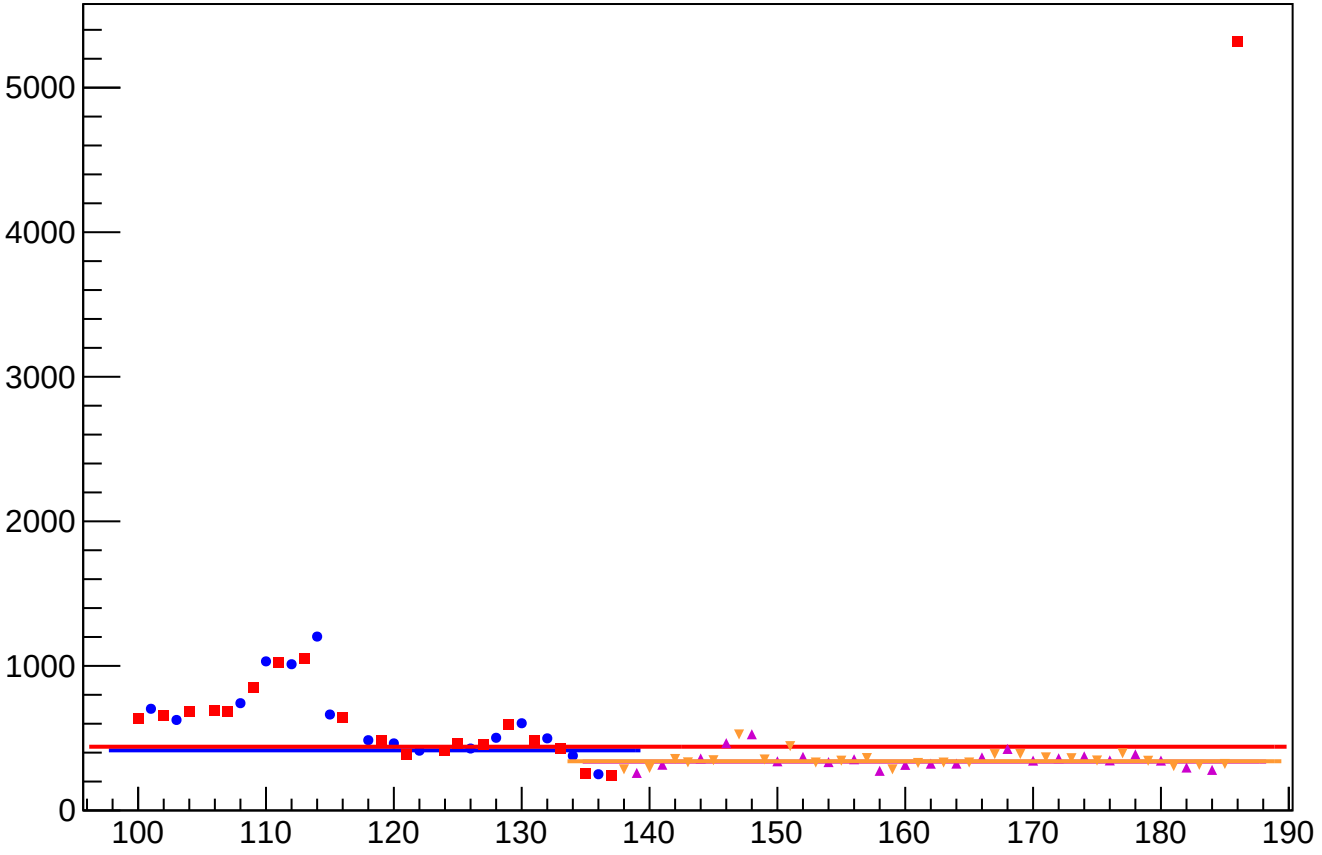
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -95.884+/-70.895 χ^2/NDF: 41.0/40

All: -24.237+/-50.767 χ^2/NDF: 107.3/83

- sign 51.169+/-72.731 χ^2/NDF: 64.2/42

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

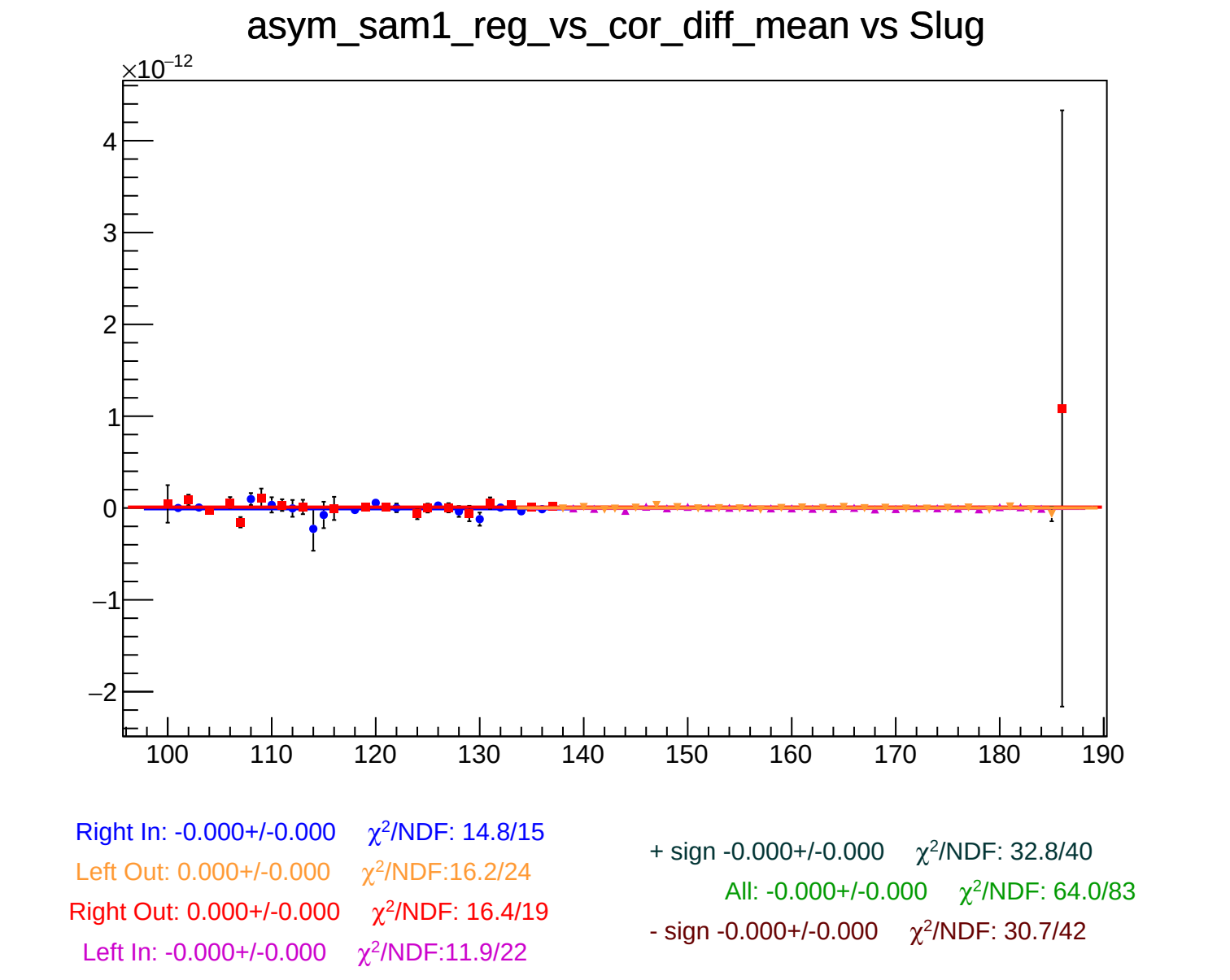
Right Out: 440.876+/-0.124 χ^2/NDF: 2907317.6/19

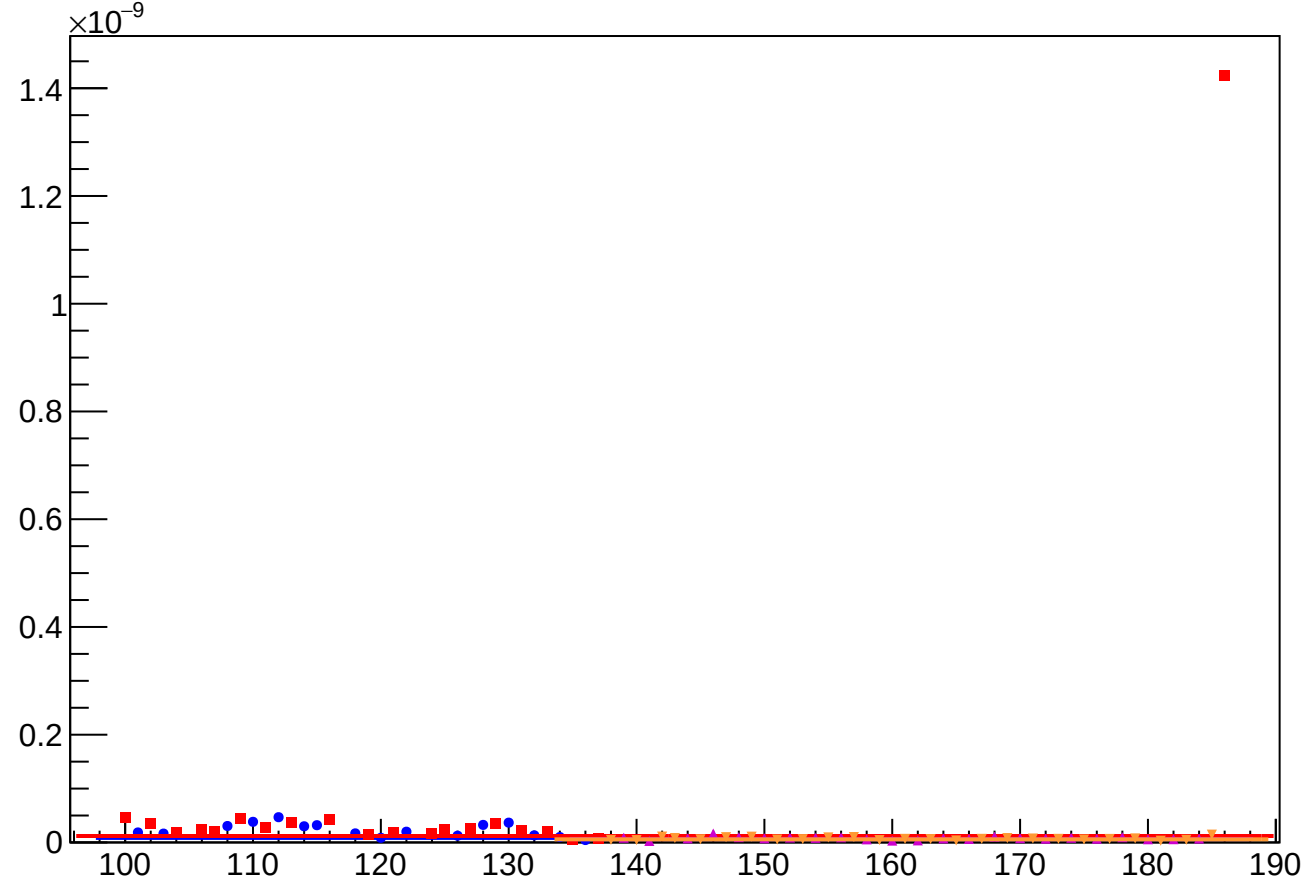
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 353.795+/-0.050 χ^2/NDF: 3159034.3/40

All: 354.692+/-0.036 χ^2/NDF: 7463830.3/83

- 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: 14.8/15
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: 32.8/40
All: -0.000+/-0.000 χ²/NDF: 64.0/83
- sign -0.000+/-0.000 χ²/NDF: 30.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3138257.0/19

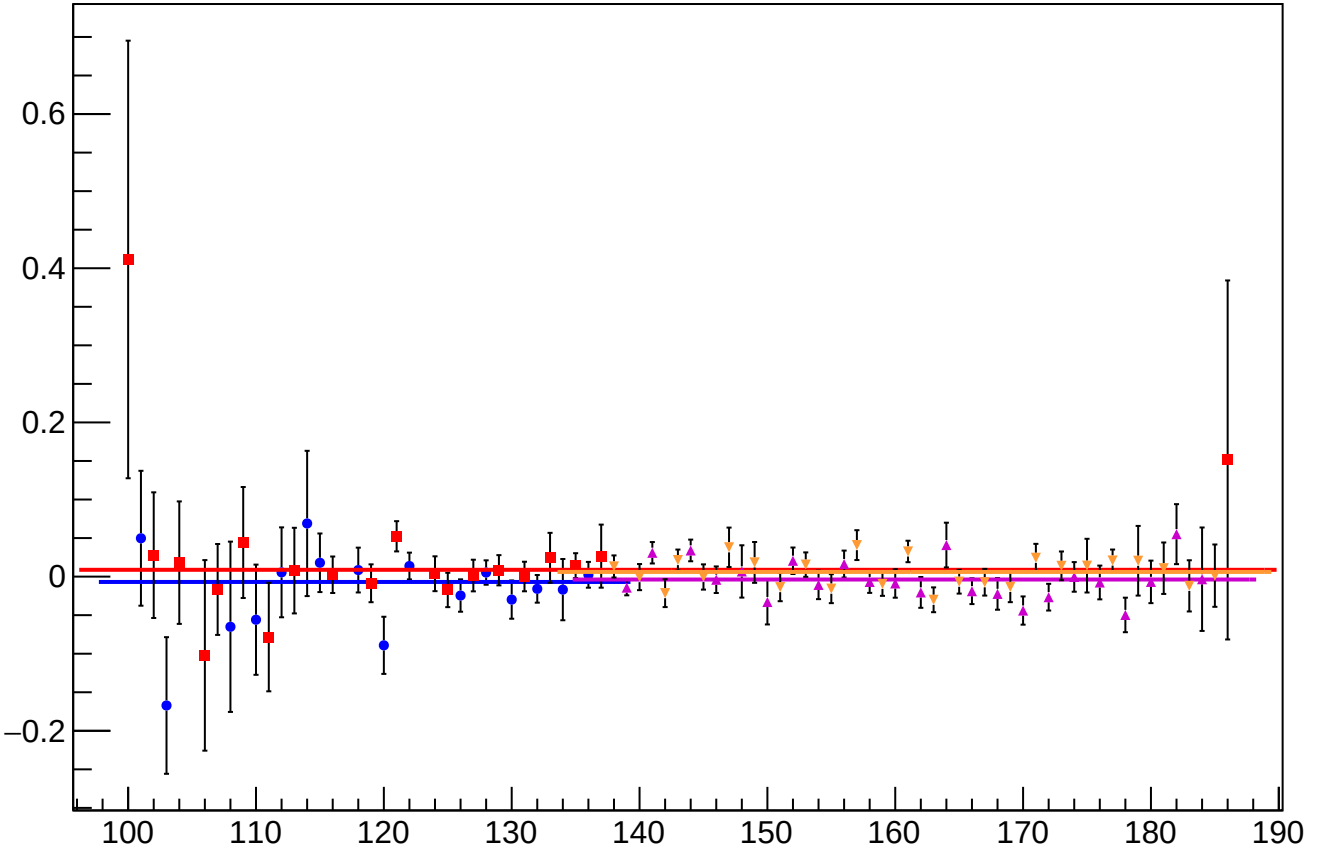
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 4233447.6/40

All: 0.000+/-0.000 χ^2/NDF: 10312421.5/83

- 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: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.009+/-0.006 χ^2/NDF: 13.0/19

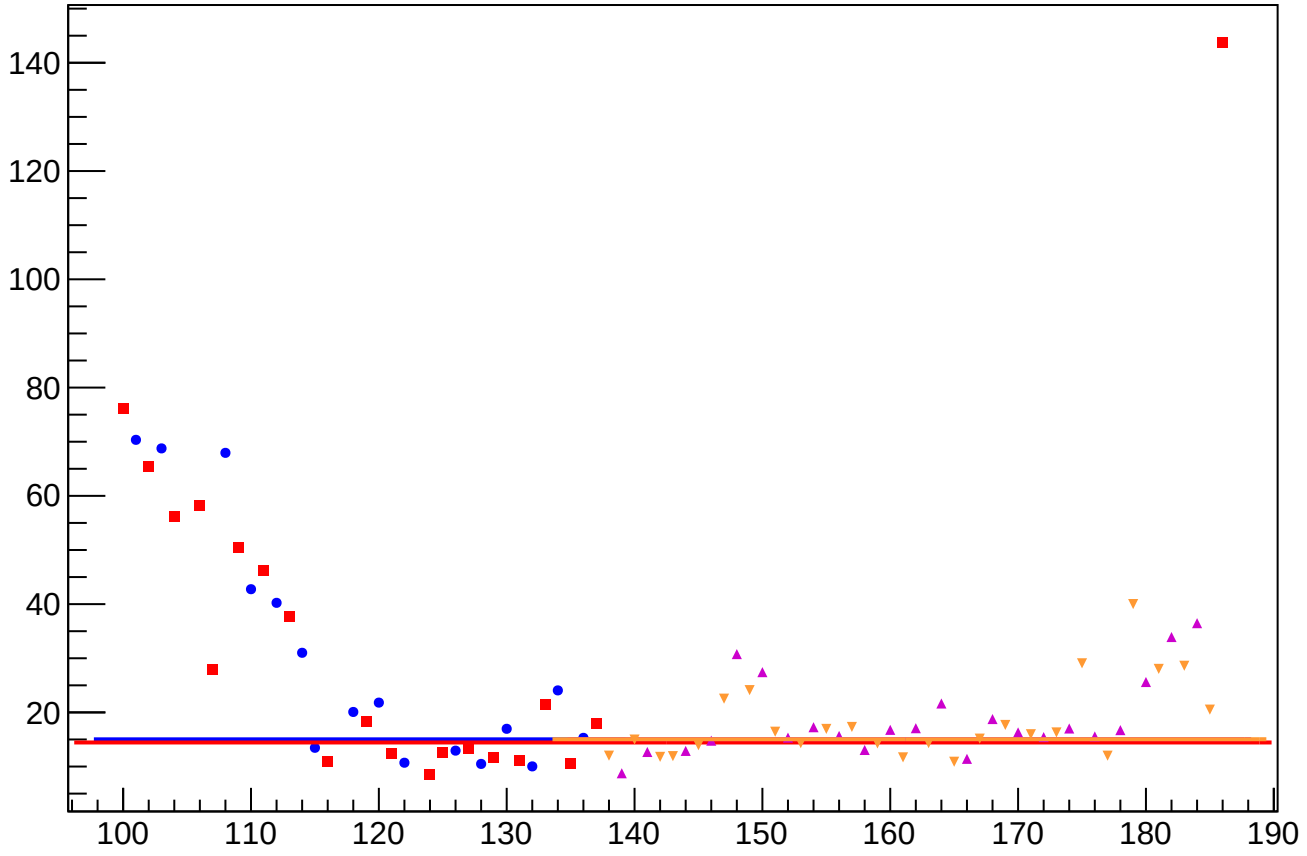
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 44.5/40

All: 0.001+/-0.002 χ^2/NDF: 98.1/83

- sign -0.000+/-0.003 χ^2/NDF: 53.0/42

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

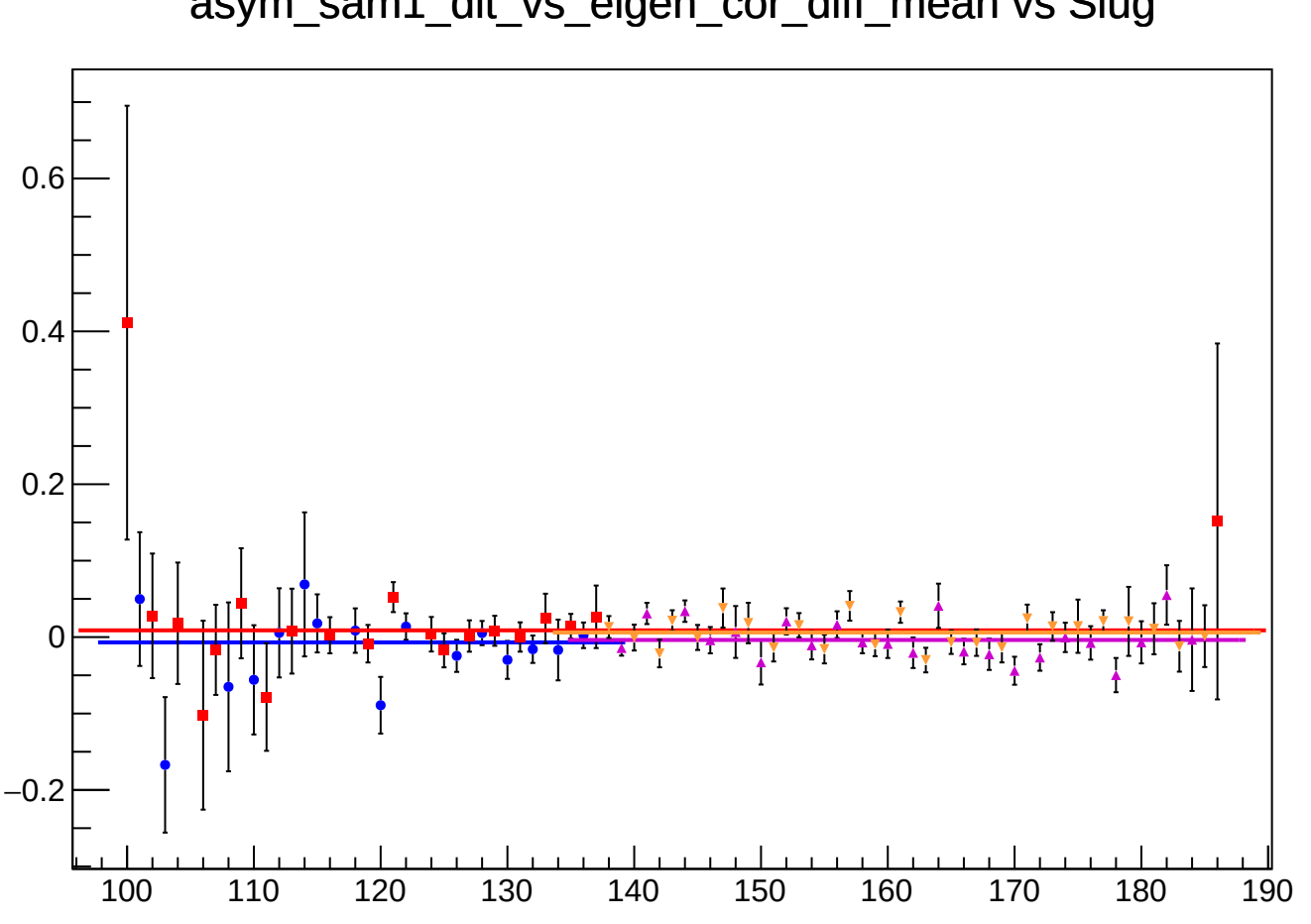
Right Out: 14.445+/-0.005 χ^2/NDF: 4246079.1/19

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.042+/-0.002 χ^2/NDF: 6196351.2/40

All: 14.973+/-0.002 χ^2/NDF: 13524800.8/83

- sign 14.903+/-0.002 χ^2/NDF: 7326631.4/42



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.009+/-0.006 χ^2/NDF: 13.0/19

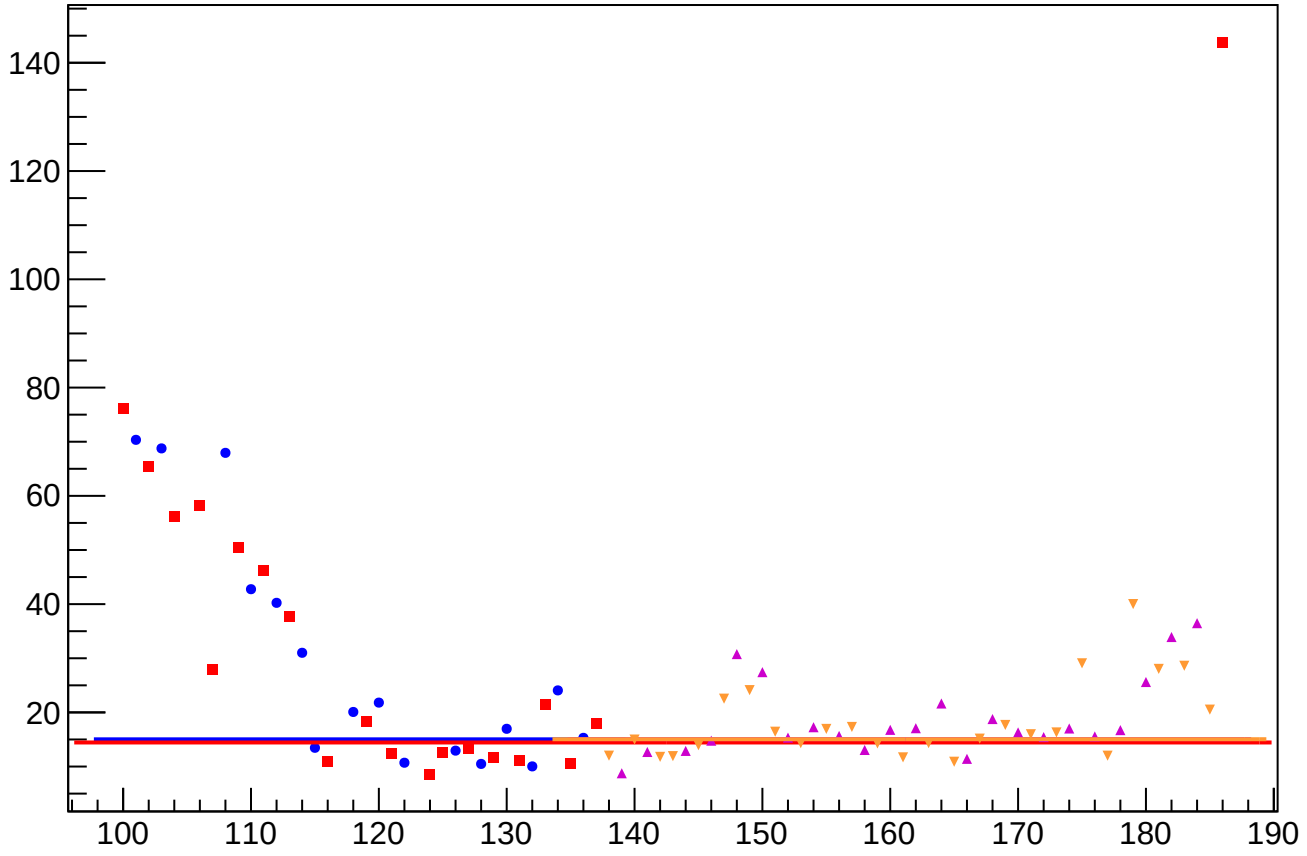
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 44.5/40

All: 0.001+/-0.002 χ^2/NDF: 98.1/83

- sign -0.000+/-0.003 χ^2/NDF: 53.0/42

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 14.445+/-0.005 χ^2/NDF: 4246079.1/19

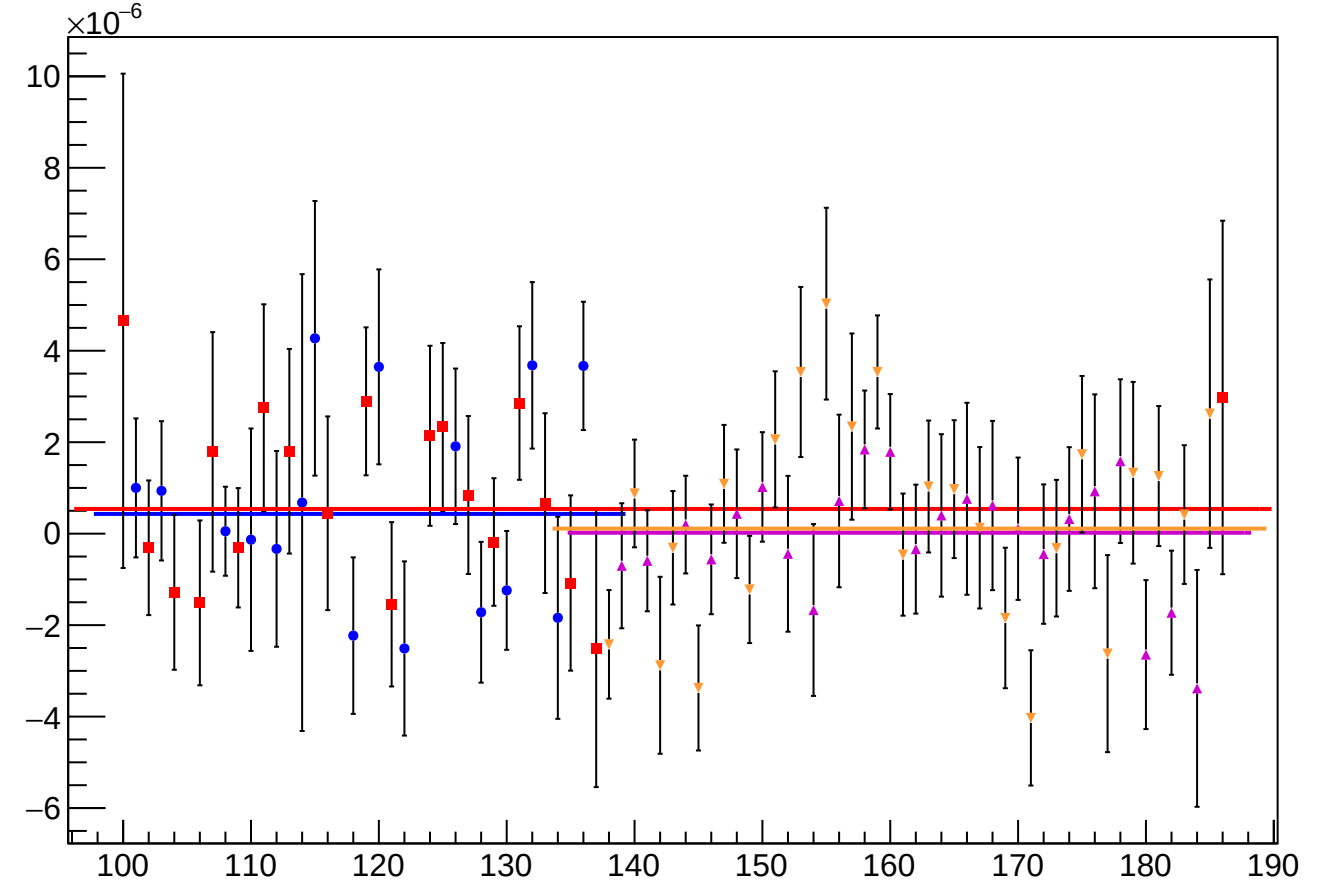
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.042+/-0.002 χ^2/NDF: 6196351.2/40

All: 14.973+/-0.002 χ^2/NDF: 13524800.8/83

- sign 14.903+/-0.002 χ^2/NDF: 7326631.4/42

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

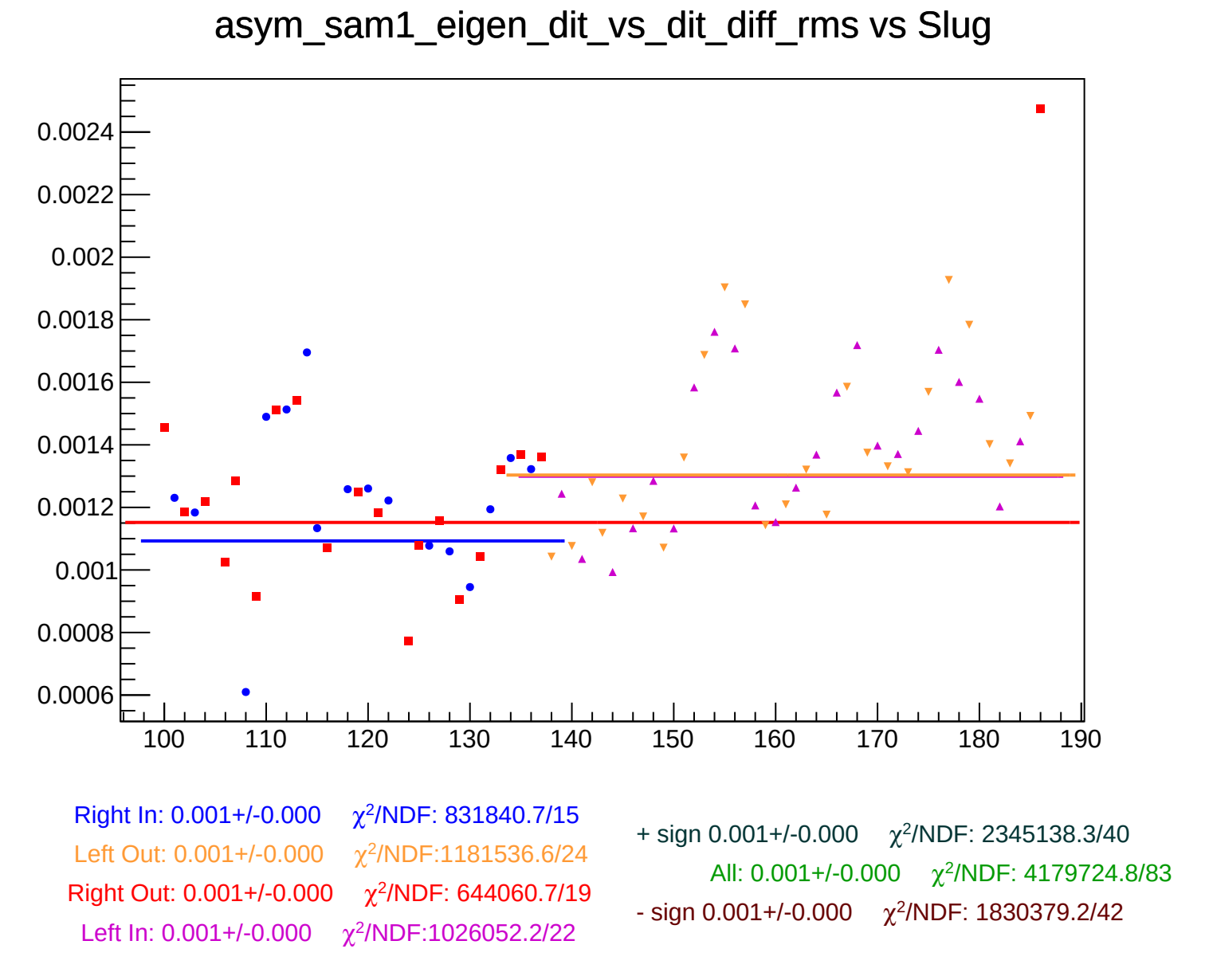
Right Out: 0.000+/-0.000 χ^2/NDF: 14.7/19

Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

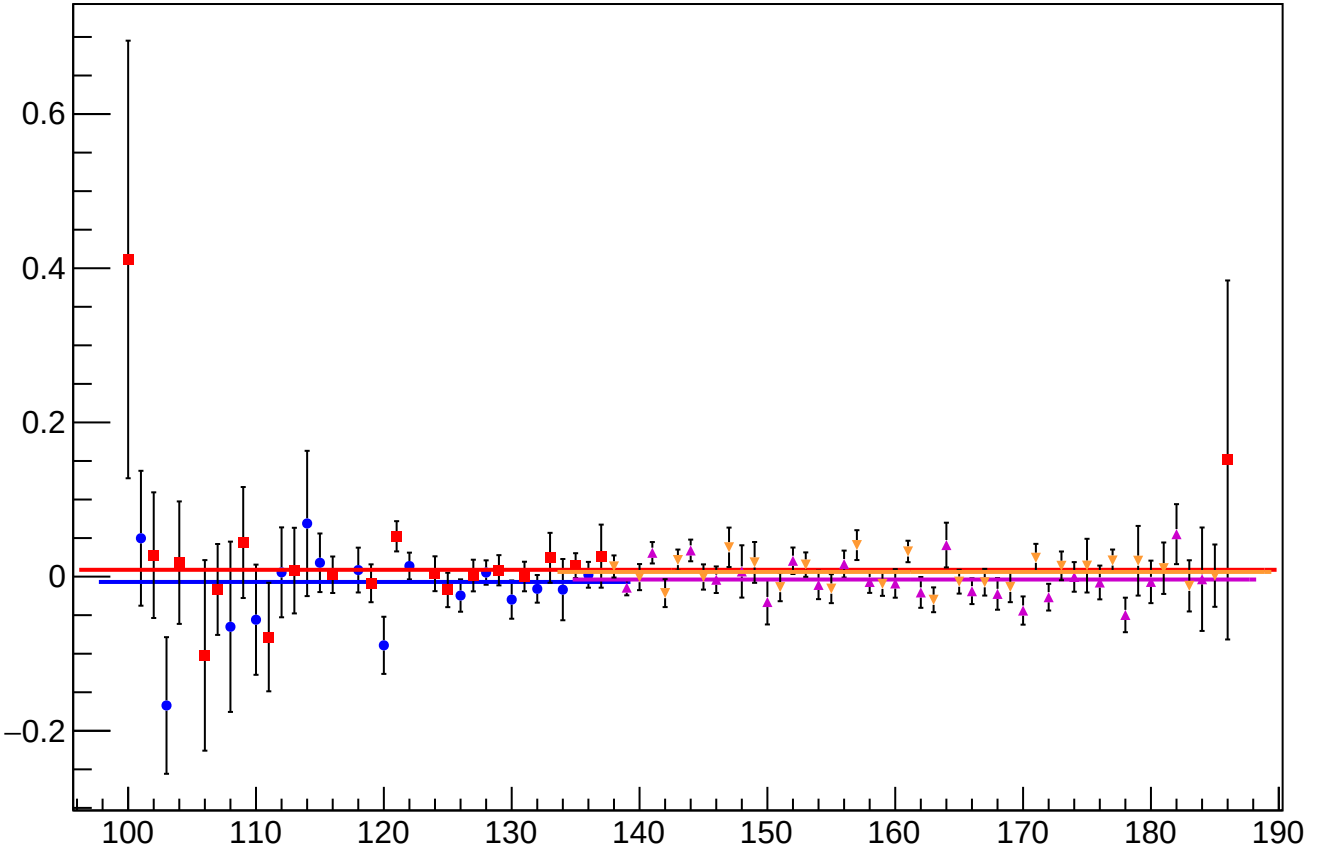
+ sign 0.000+/-0.000 χ^2/NDF: 73.6/40

All: 0.000+/-0.000 χ^2/NDF: 103.4/83

- sign 0.000+/-0.000 χ^2/NDF: 29.8/42


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 644060.7/19
Left In: 0.001+/-0.000 χ²/NDF:1026052.2/22
+ sign 0.001+/-0.000 χ²/NDF: 2345138.3/40
All: 0.001+/-0.000 χ²/NDF: 4179724.8/83
- sign 0.001+/-0.000 χ²/NDF: 1830379.2/42

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.009+/-0.006 χ^2/NDF: 13.0/19

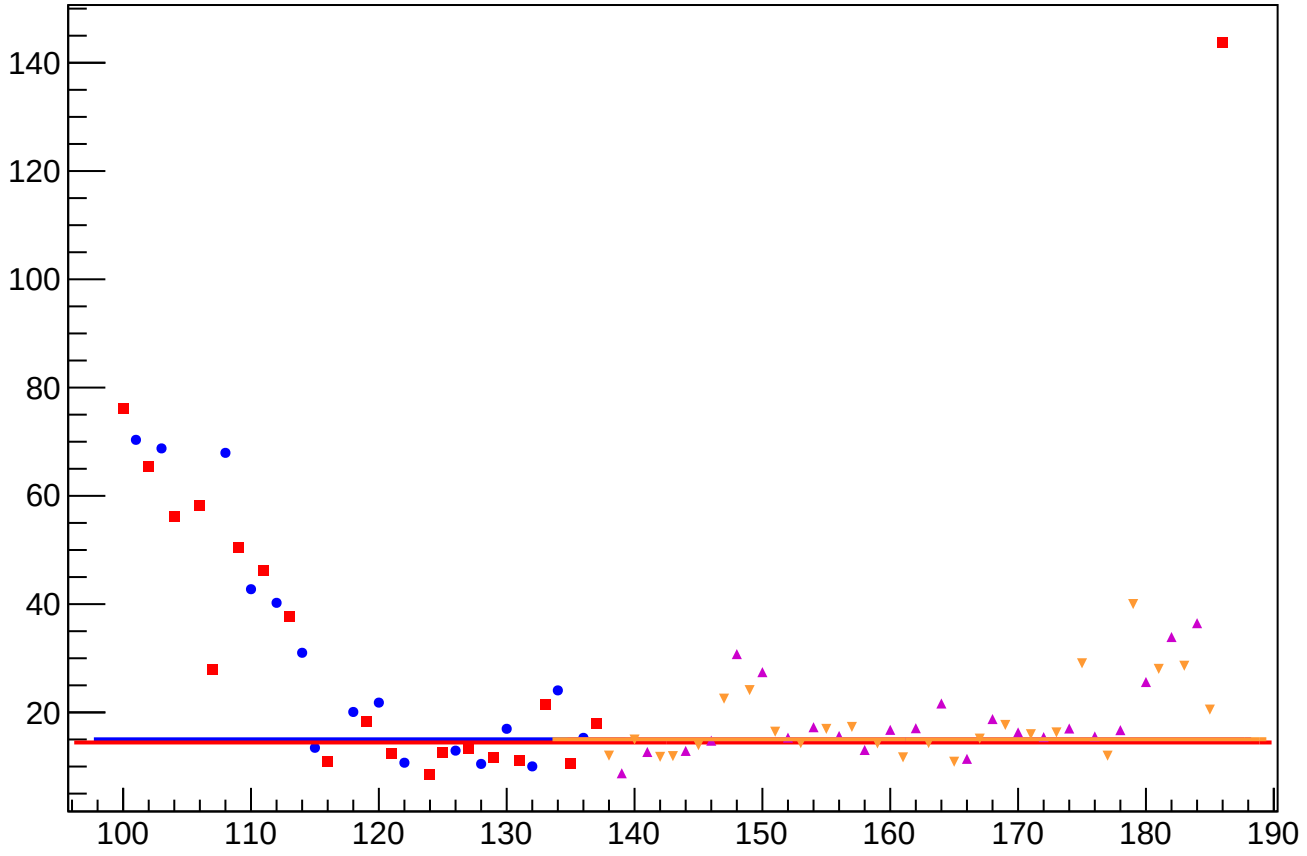
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 44.5/40

All: 0.001+/-0.002 χ^2/NDF: 98.1/83

- sign -0.000+/-0.003 χ^2/NDF: 53.0/42

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

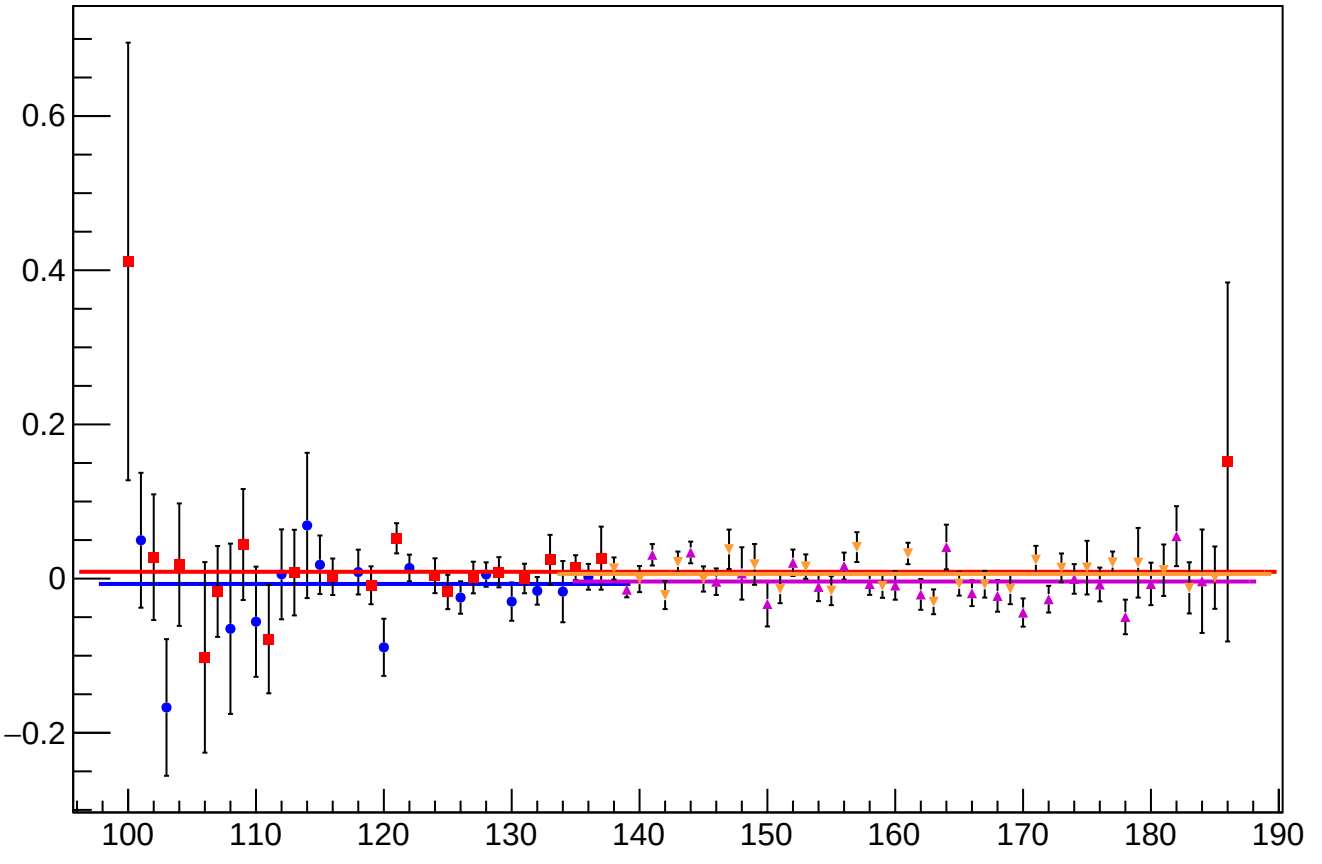
Right Out: 14.445+/-0.005 χ^2/NDF: 4246070.8/19

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.041+/-0.002 χ^2/NDF: 6196579.1/40

All: 14.973+/-0.002 χ^2/NDF: 13525059.2/83

- sign 14.902+/-0.002 χ^2/NDF: 7326663.8/42



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

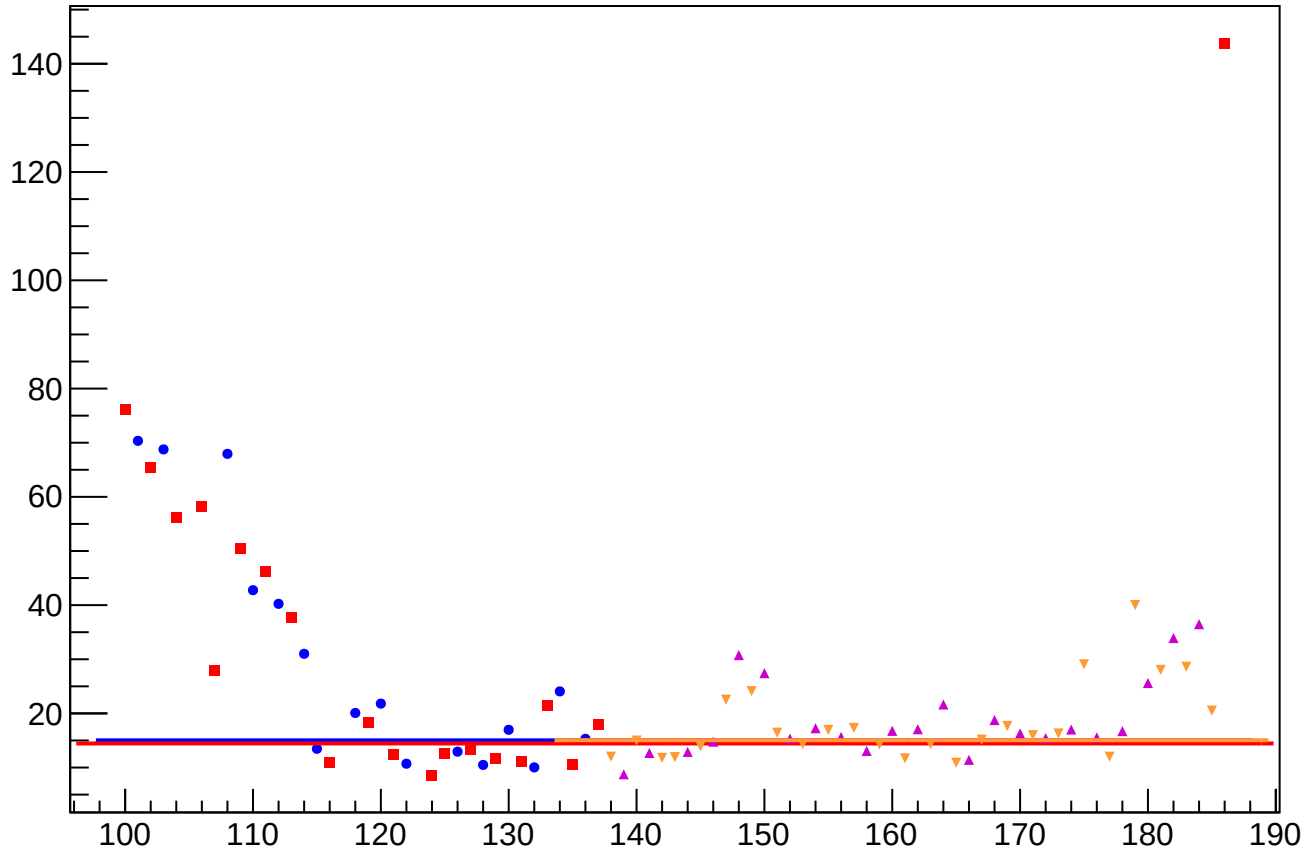
Right Out: 0.009+/-0.006 χ^2/NDF: 13.0/19

Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 44.5/40

All: 0.001+/-0.002 χ^2/NDF: 98.1/83

- sign -0.000+/-0.003 χ^2/NDF: 53.0/42



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

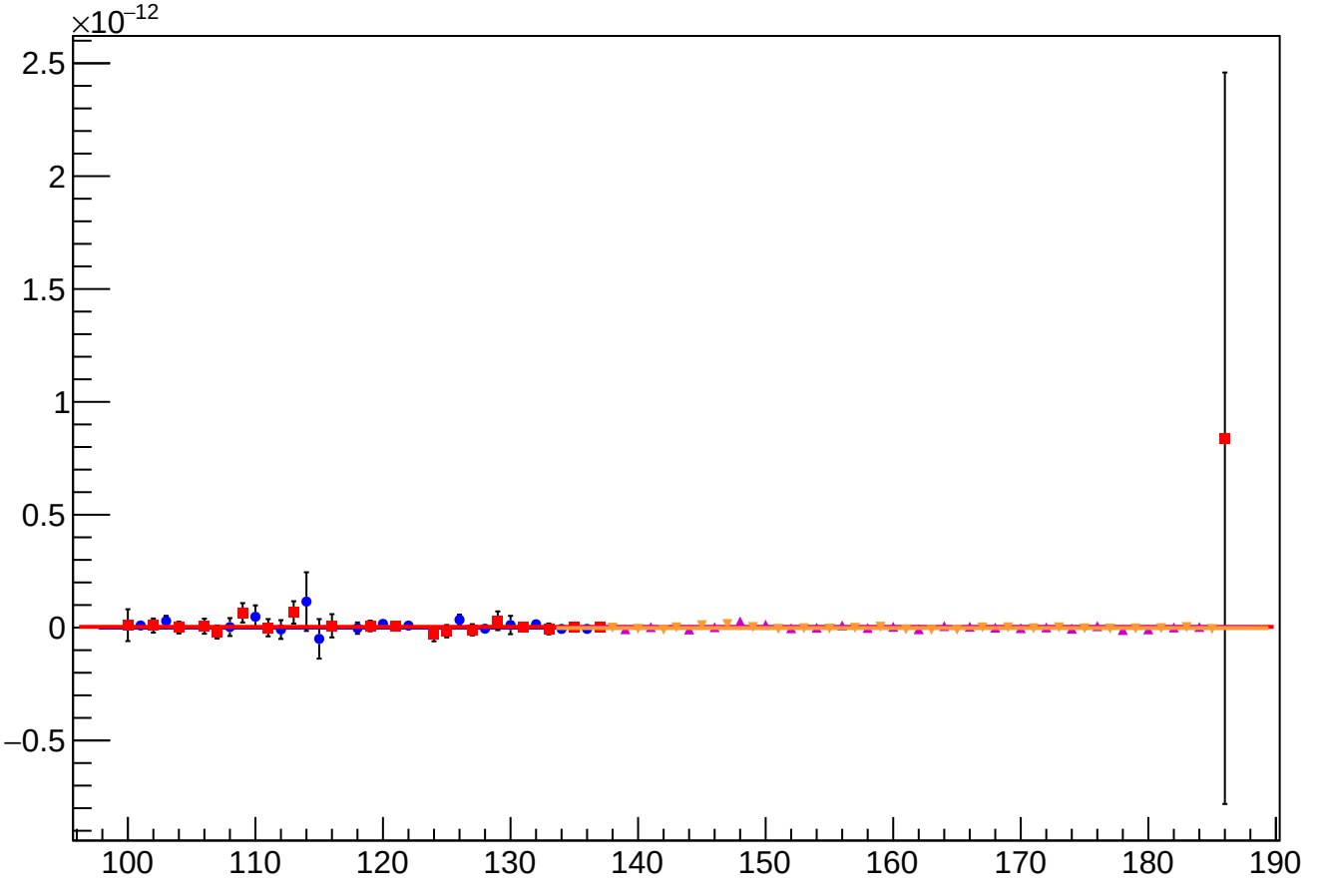
Right Out: 14.445+/-0.005 χ^2/NDF: 4246070.8/19

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.041+/-0.002 χ^2/NDF: 6196579.1/40

All: 14.973+/-0.002 χ^2/NDF: 13525059.2/83

- sign 14.902+/-0.002 χ^2/NDF: 7326663.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

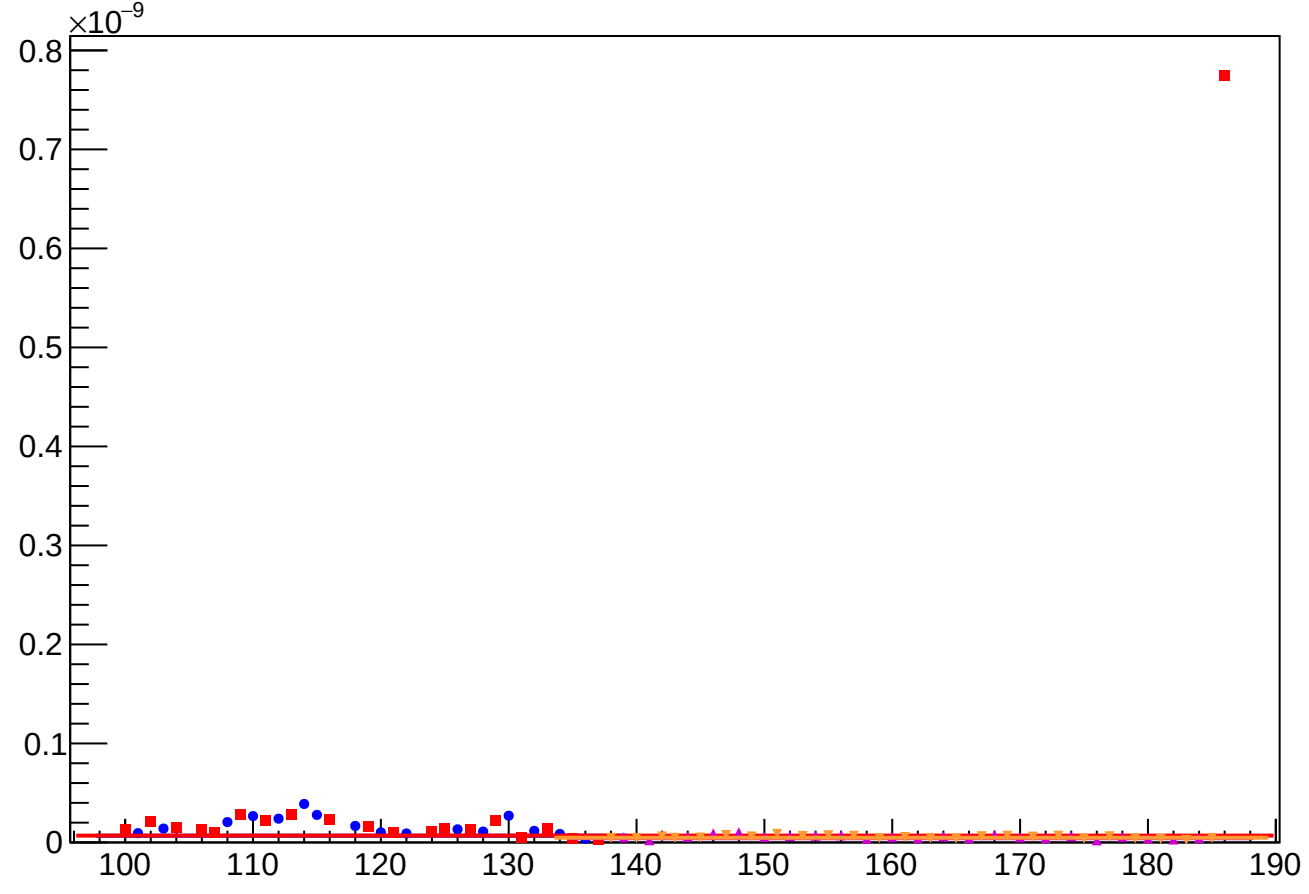
Right Out: 0.000+/-0.000 χ^2/NDF: 7.3/19

Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 24.7/40

All: -0.000+/-0.000 χ^2/NDF: 55.7/83

- sign 0.000+/-0.000 χ^2/NDF: 29.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4690325.5/19

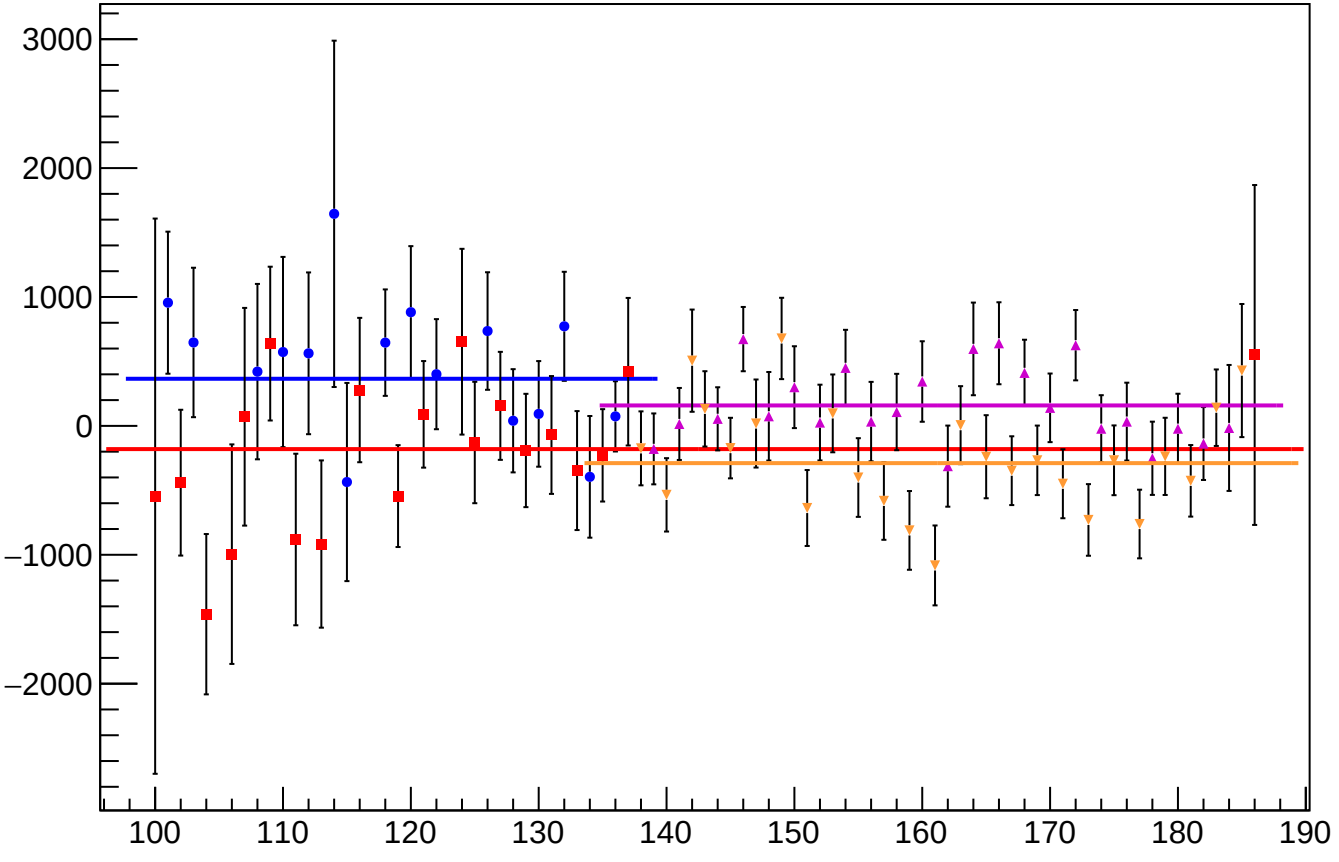
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6128233.7/40

All: 0.000+/-0.000 χ^2/NDF: 15268879.0/83

- sign 0.000+/-0.000 χ^2/NDF: 9010104.7/42

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -180.073+/-119.691 χ^2/NDF: 15.3/19

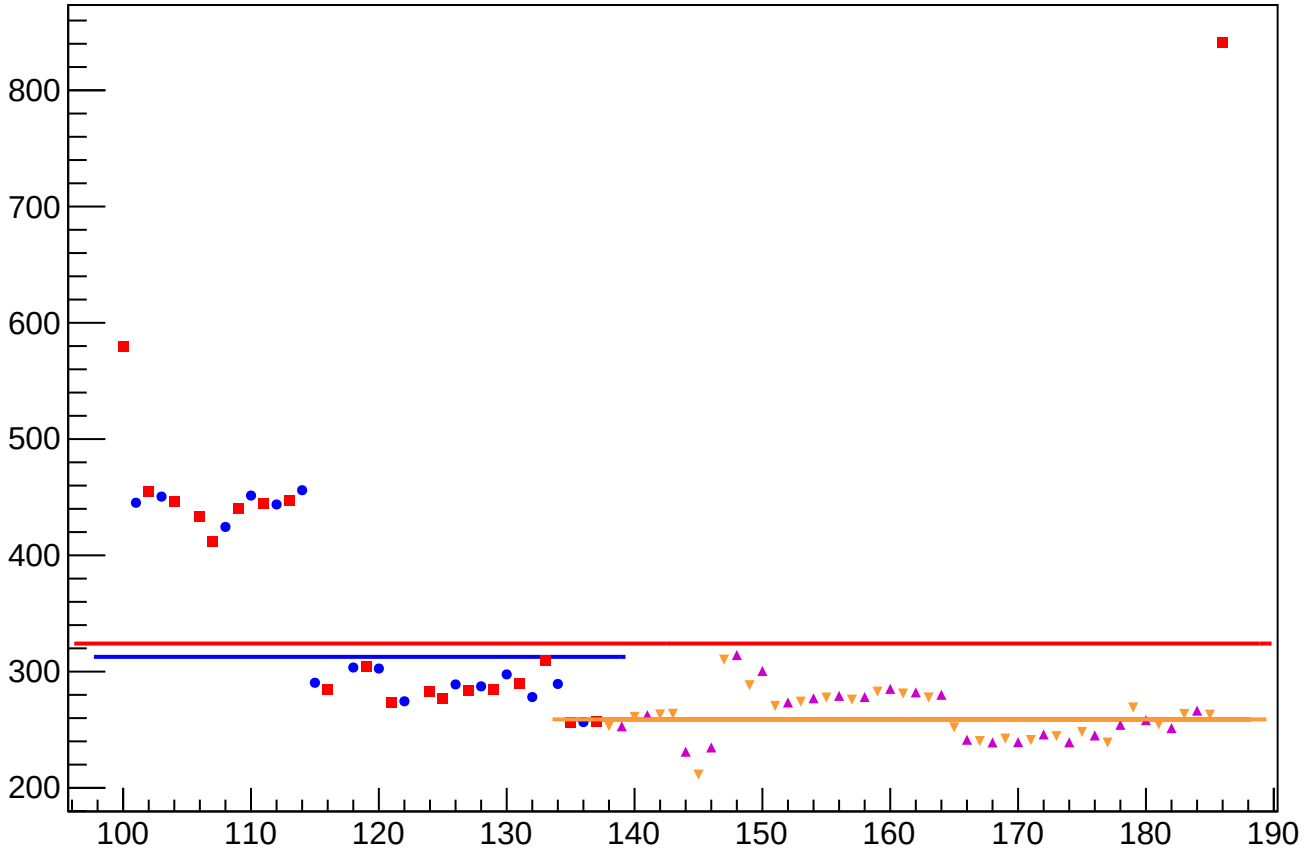
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -159.445+/-52.874 χ^2/NDF: 78.2/40

All: -38.018+/-37.828 χ^2/NDF: 133.2/83

- sign 89.303+/-54.142 χ^2/NDF: 44.2/42

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

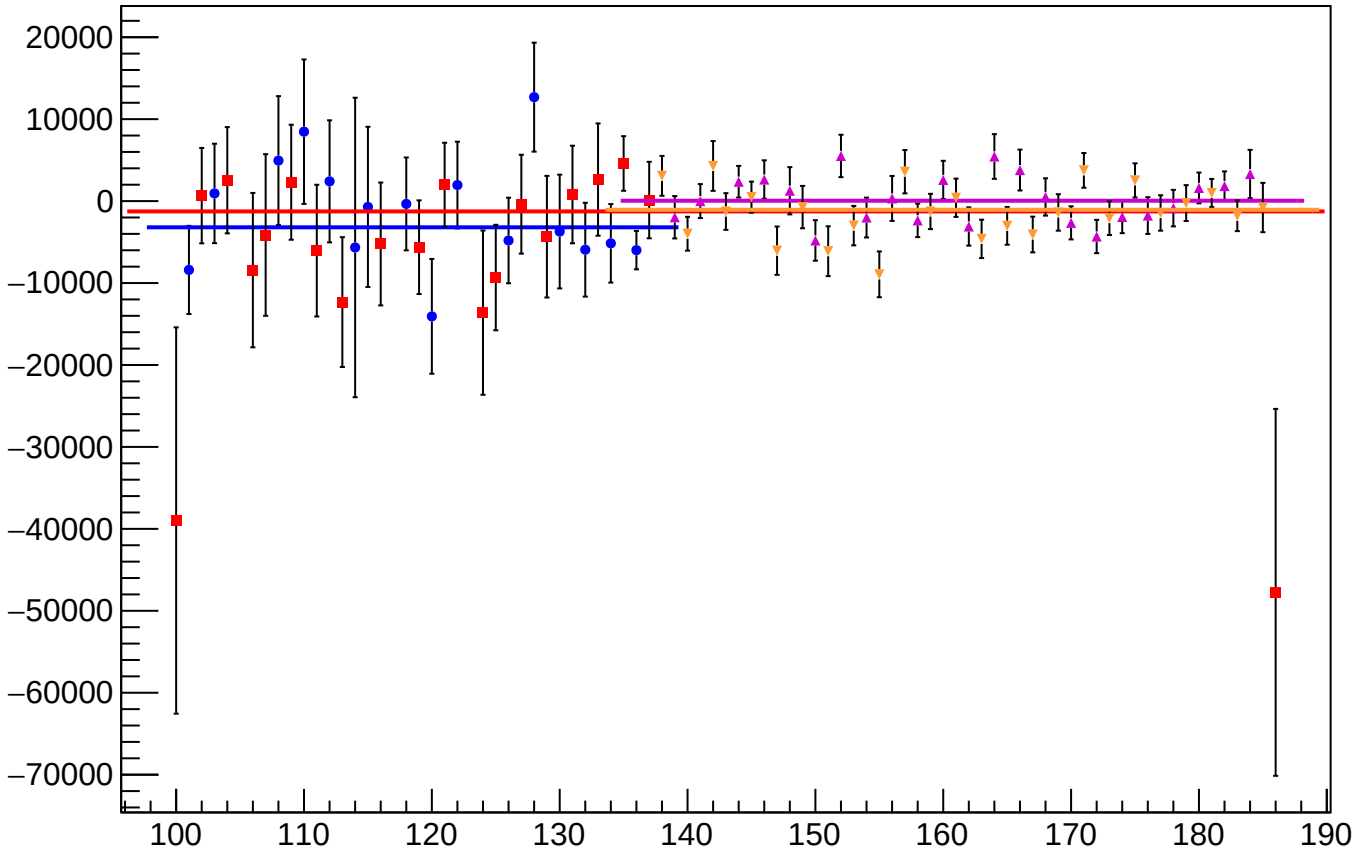
Right Out: 324.135+/-0.085 χ^2/NDF: 1007645.9/19

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 269.550+/-0.037 χ^2/NDF: 1179208.1/40

All: 270.845+/-0.027 χ^2/NDF: 2907629.3/83

- sign 272.203+/-0.038 χ^2/NDF: 1725963.8/42



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -1259.155+/-1440.336 χ^2/NDF: 18.7/19

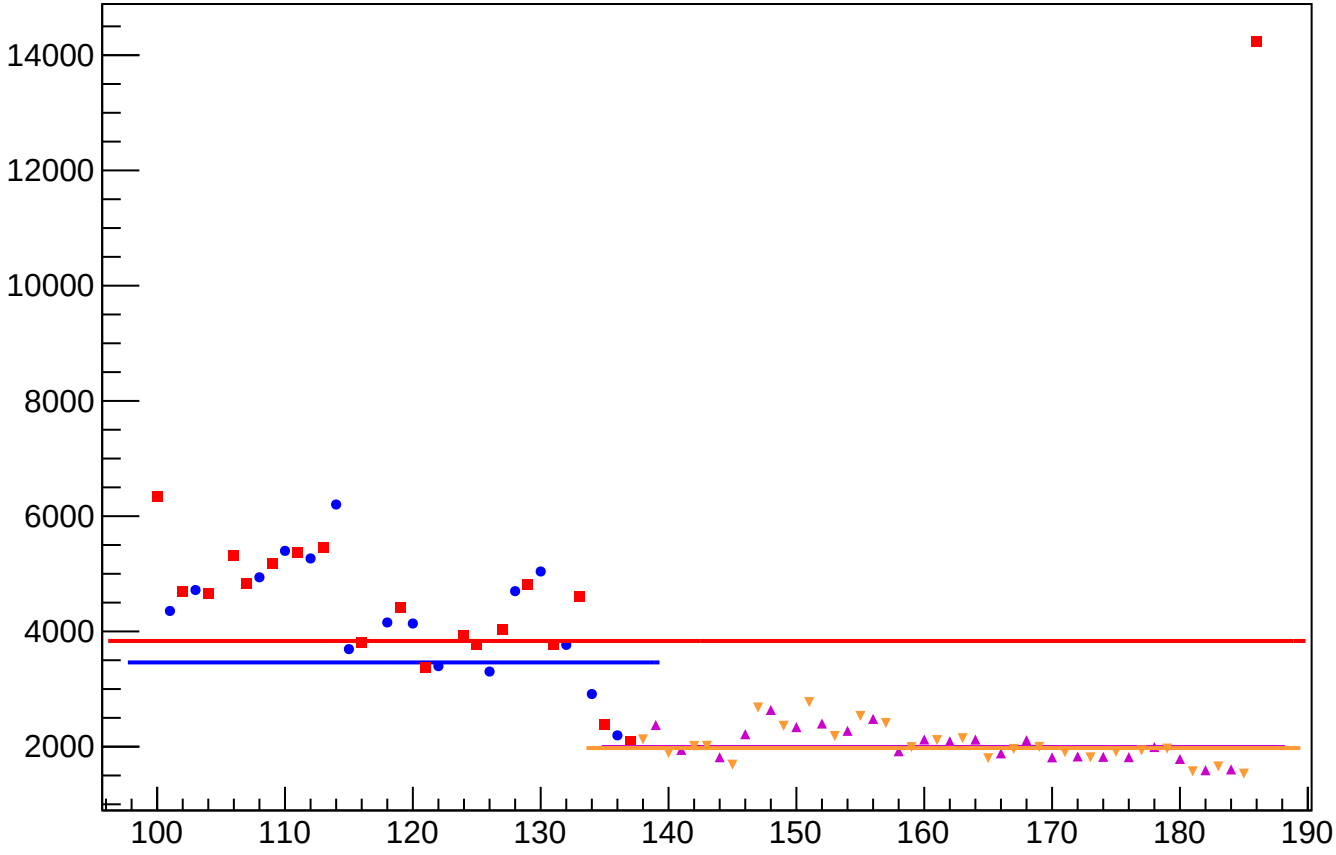
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1276.072+/-430.997 χ^2/NDF: 59.8/40

All: -701.070+/-310.403 χ^2/NDF: 117.2/83

- sign -81.427+/-447.415 χ^2/NDF: 53.6/42

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 3834.437+/-1.018 χ^2/NDF: 1589244.3/19

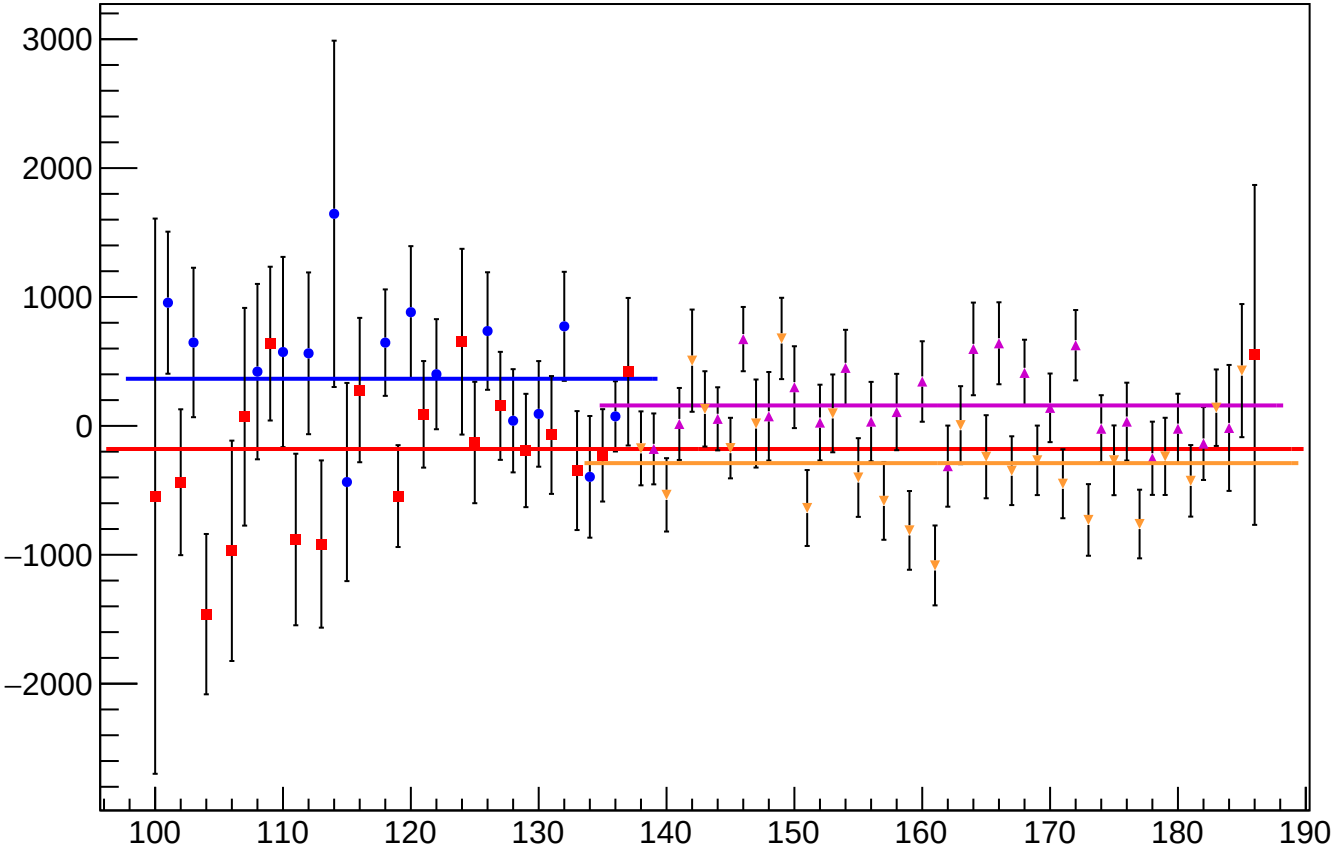
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2126.572+/-0.305 χ^2/NDF: 4238198.8/40

All: 2148.570+/-0.219 χ^2/NDF: 9386195.6/83

- sign 2172.275+/-0.316 χ^2/NDF: 5137172.5/42

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -179.265+/-119.702 χ^2/NDF: 15.2/19

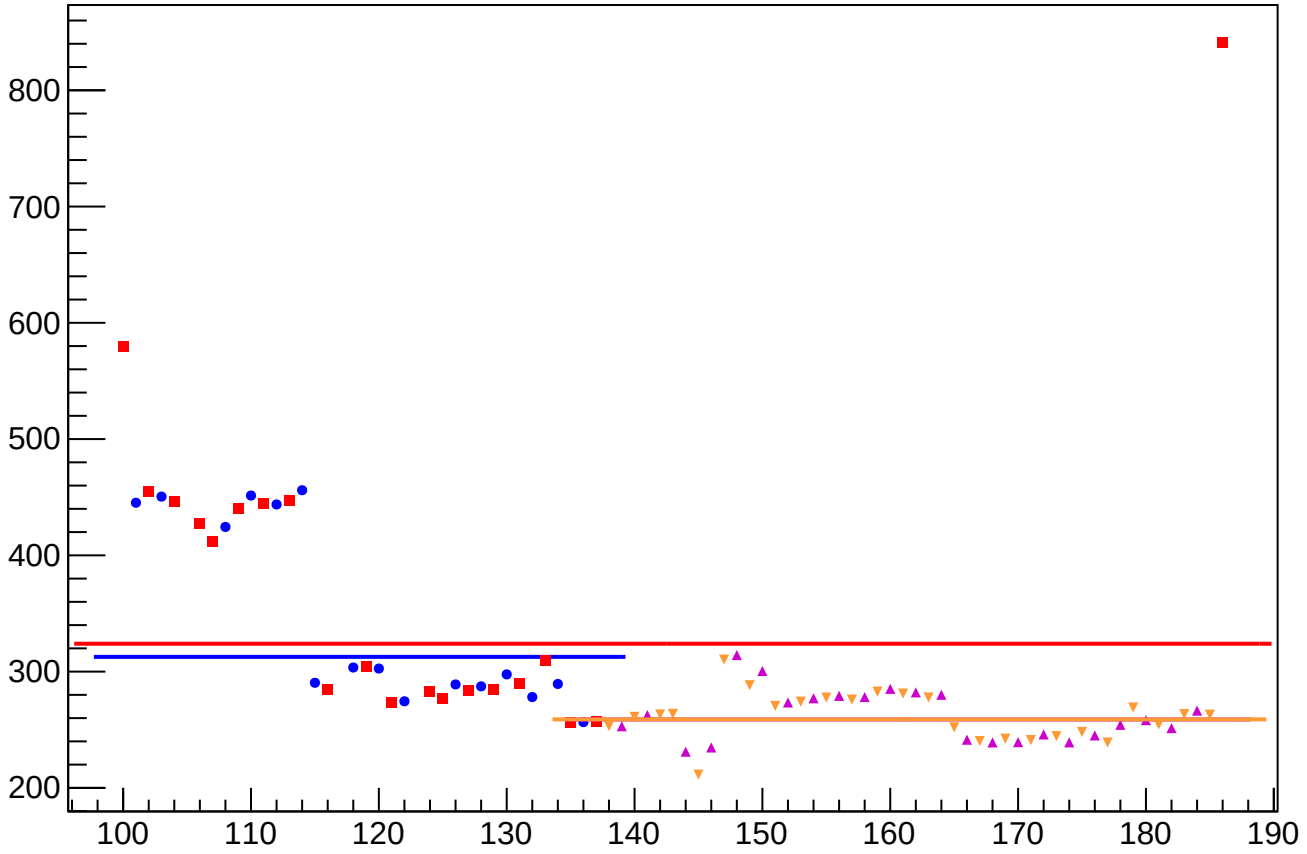
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -159.452+/-52.874 χ^2/NDF: 78.2/40

All: -37.933+/-37.828 χ^2/NDF: 133.1/83

- sign 89.488+/-54.143 χ^2/NDF: 44.1/42

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

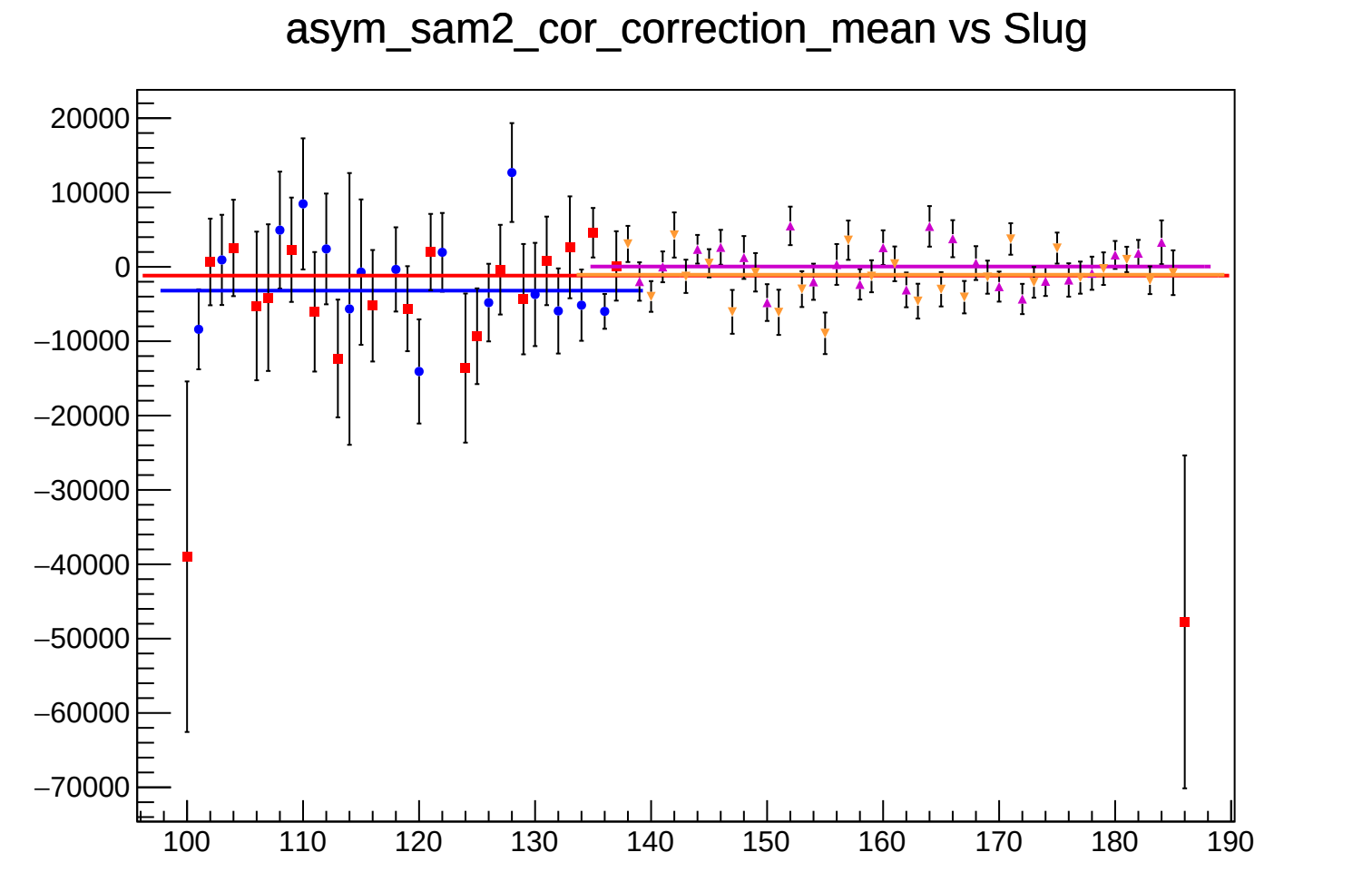
Right Out: 323.988+/-0.085 χ^2/NDF: 1003657.6/19

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 269.550+/-0.037 χ^2/NDF: 1179209.7/40

All: 270.829+/-0.027 χ^2/NDF: 2901398.5/83

- sign 272.171+/-0.038 χ^2/NDF: 1719790.1/42



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

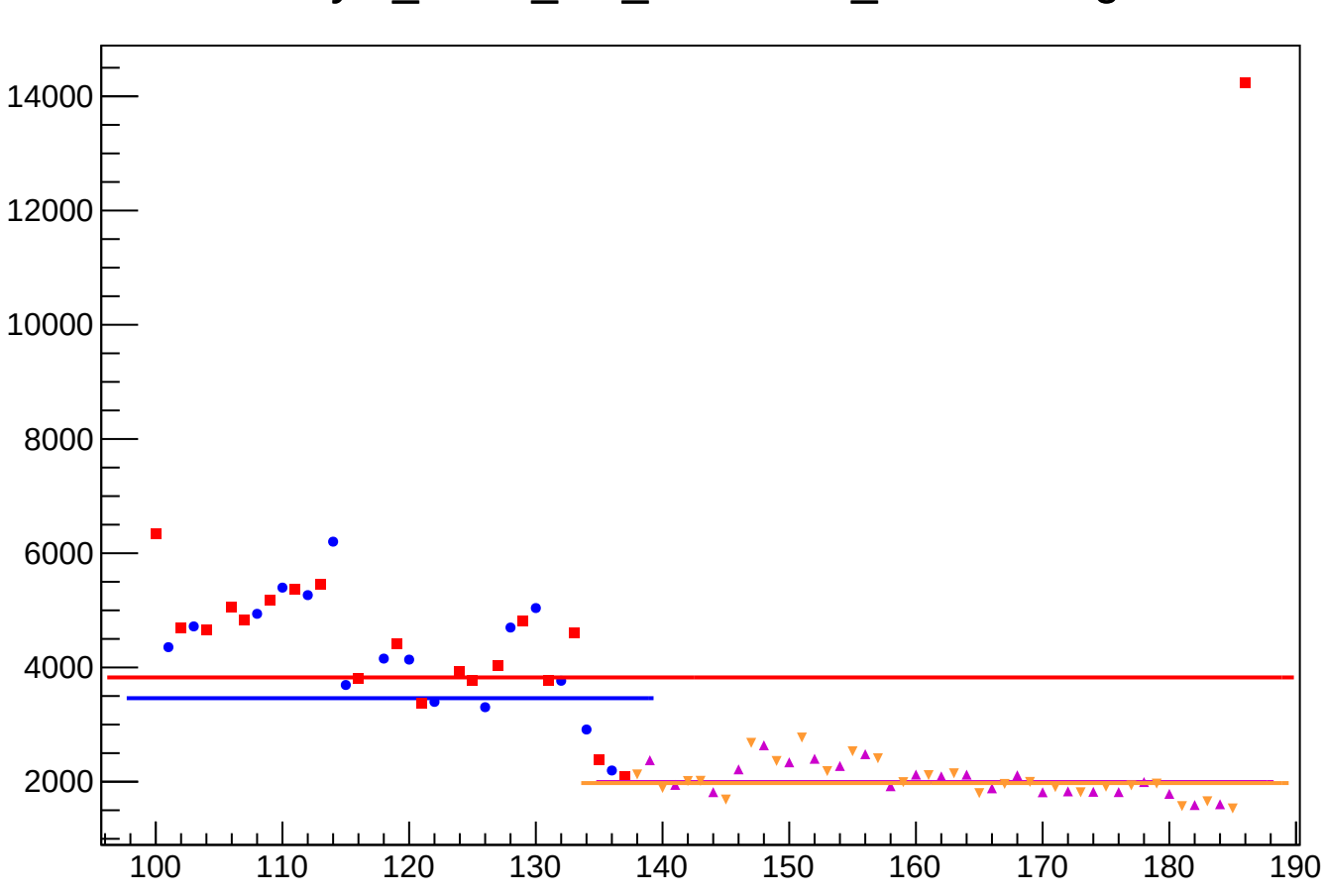
Right Out: -1175.023+/-1442.263 χ^2/NDF: 18.3/19

Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1276.068+/-430.997 χ^2/NDF: 59.8/40

All: -697.102+/-310.422 χ^2/NDF: 116.7/83

- sign -73.028+/-447.473 χ^2/NDF: 53.1/42



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 3825.560+/-1.020 χ^2/NDF: 1570576.0/19

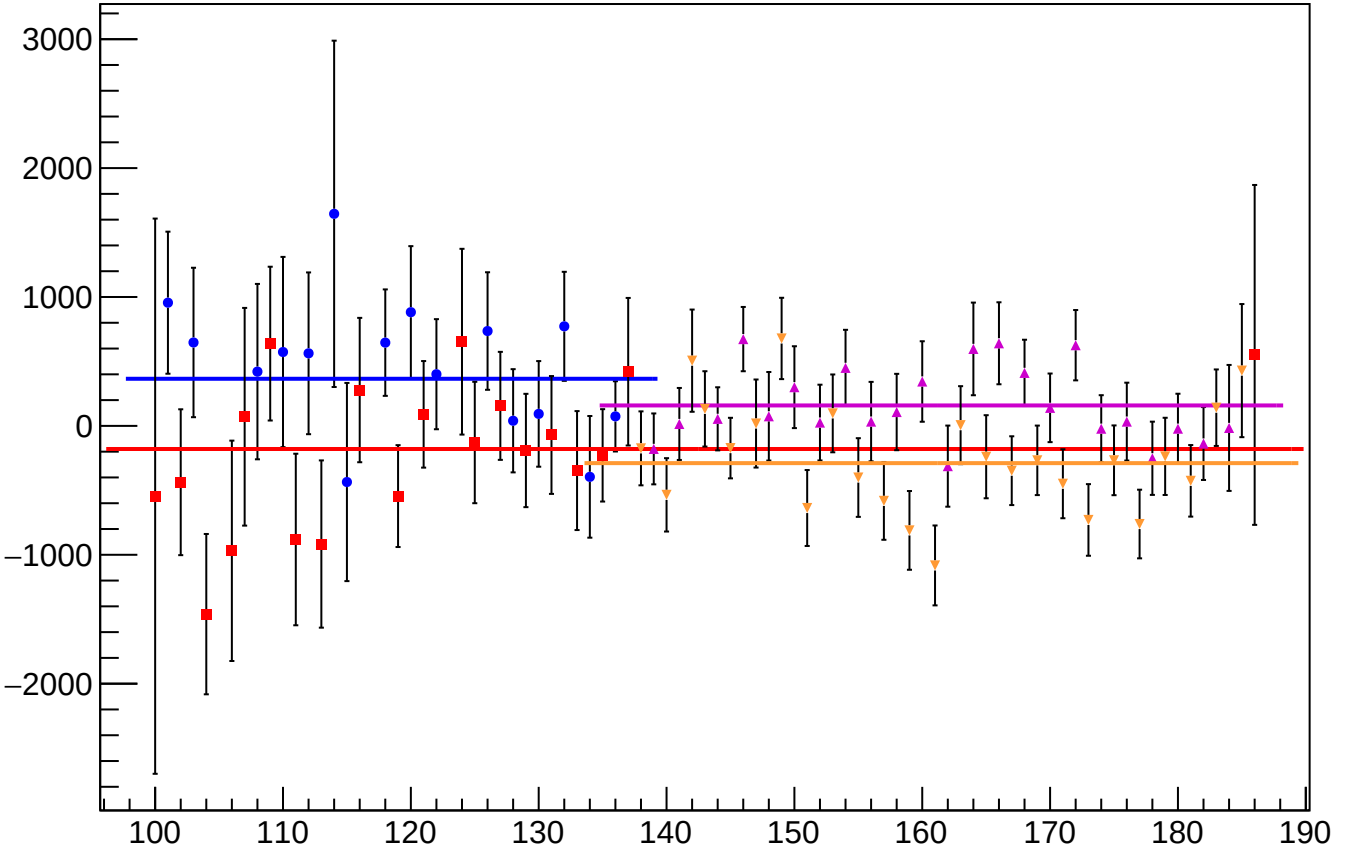
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2126.572+/-0.305 χ^2/NDF: 4238219.5/40

All: 2147.949+/-0.220 χ^2/NDF: 9331519.8/83

- sign 2170.992+/-0.316 χ^2/NDF: 5083076.3/42

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -179.265+/-119.702 χ^2/NDF: 15.2/19

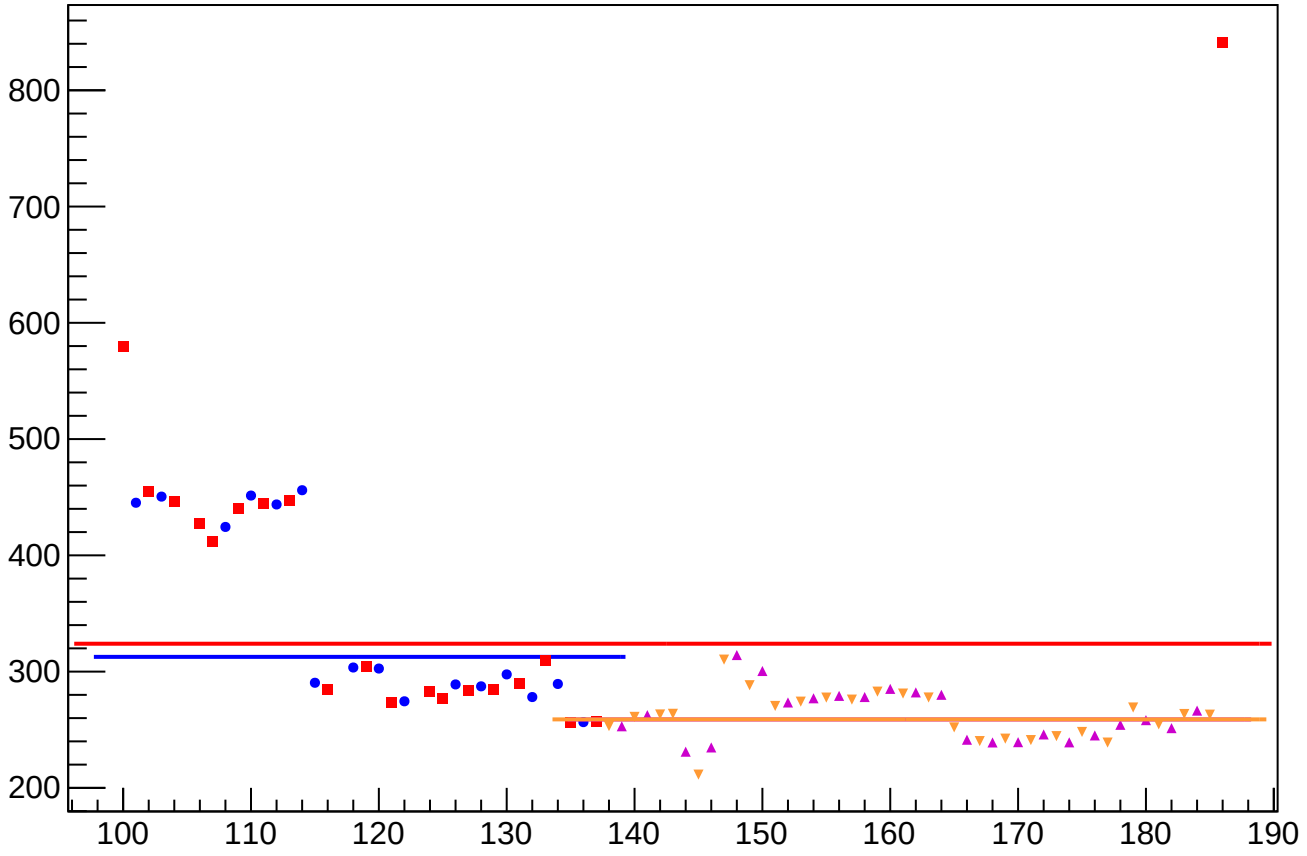
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -159.452+/-52.874 χ^2/NDF: 78.2/40

All: -37.933+/-37.828 χ^2/NDF: 133.1/83

- sign 89.488+/-54.143 χ^2/NDF: 44.1/42

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

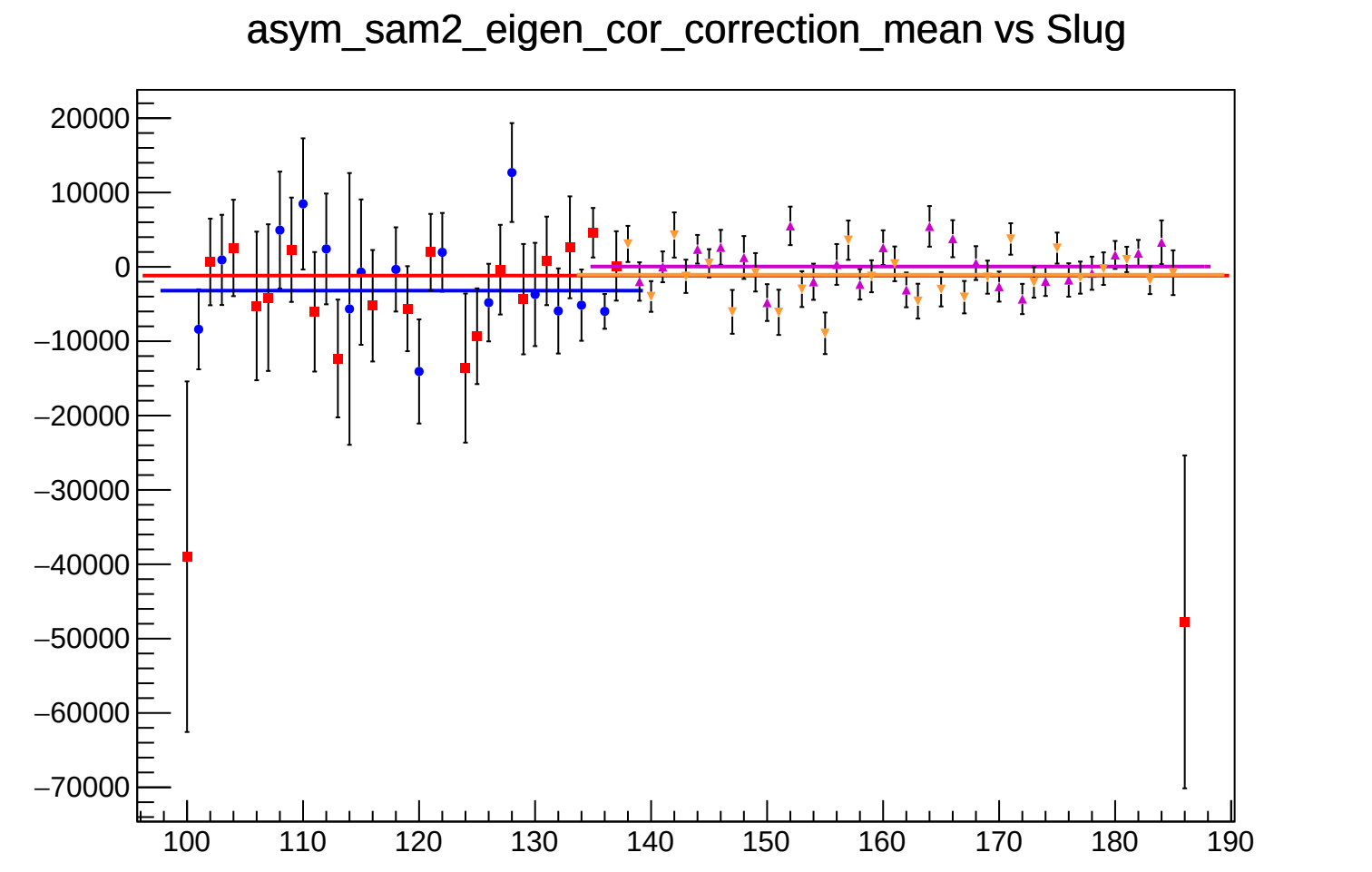
Right Out: 323.988+/-0.085 χ^2/NDF: 1003657.6/19

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 269.550+/-0.037 χ^2/NDF: 1179209.7/40

All: 270.829+/-0.027 χ^2/NDF: 2901398.5/83

- sign 272.171+/-0.038 χ^2/NDF: 1719790.1/42



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1175.023+/-1442.263 χ^2/NDF: 18.3/19

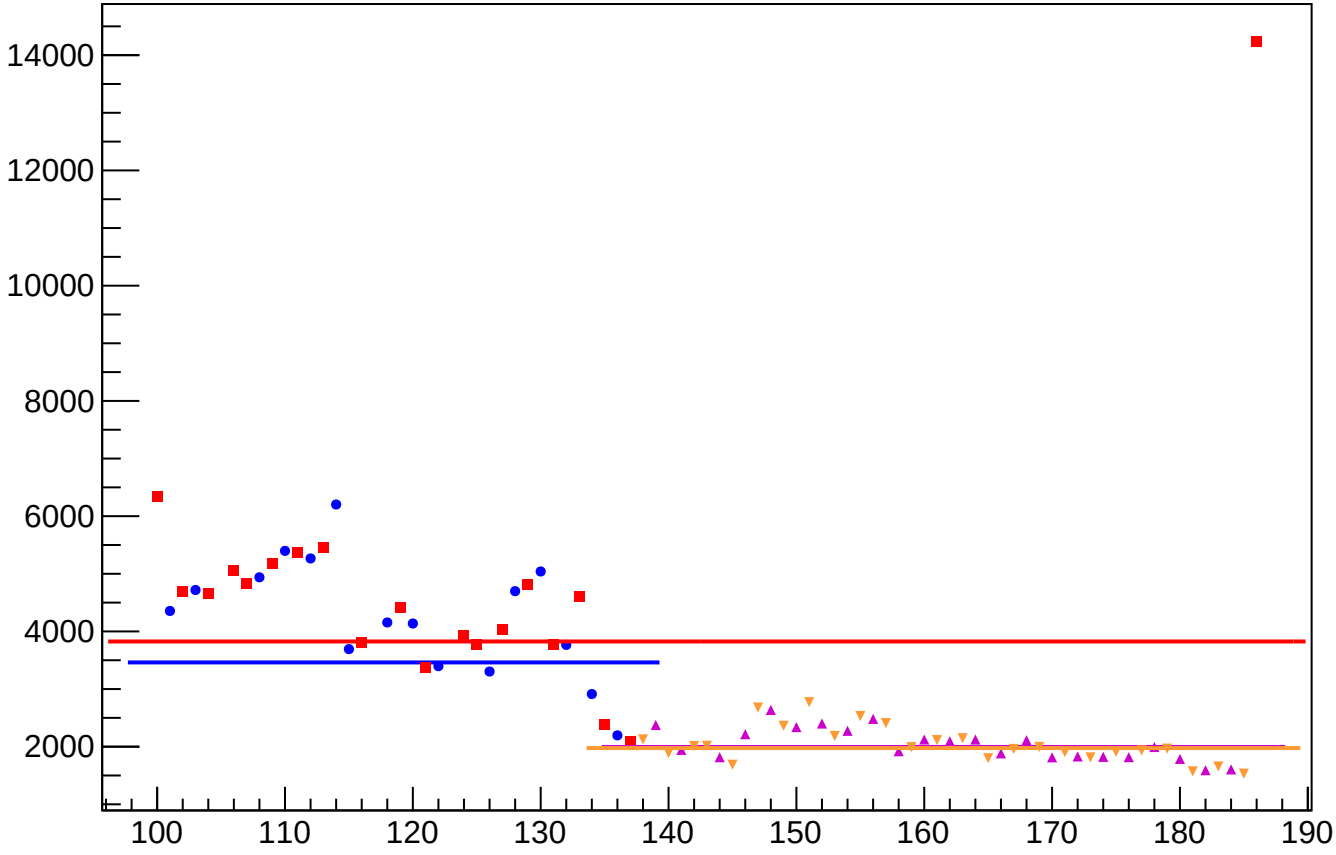
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1276.068+/-430.997 χ^2/NDF: 59.8/40

All: -697.102+/-310.422 χ^2/NDF: 116.7/83

- sign -73.028+/-447.473 χ^2/NDF: 53.1/42

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 3825.560+/-1.020 χ^2/NDF: 1570576.0/19

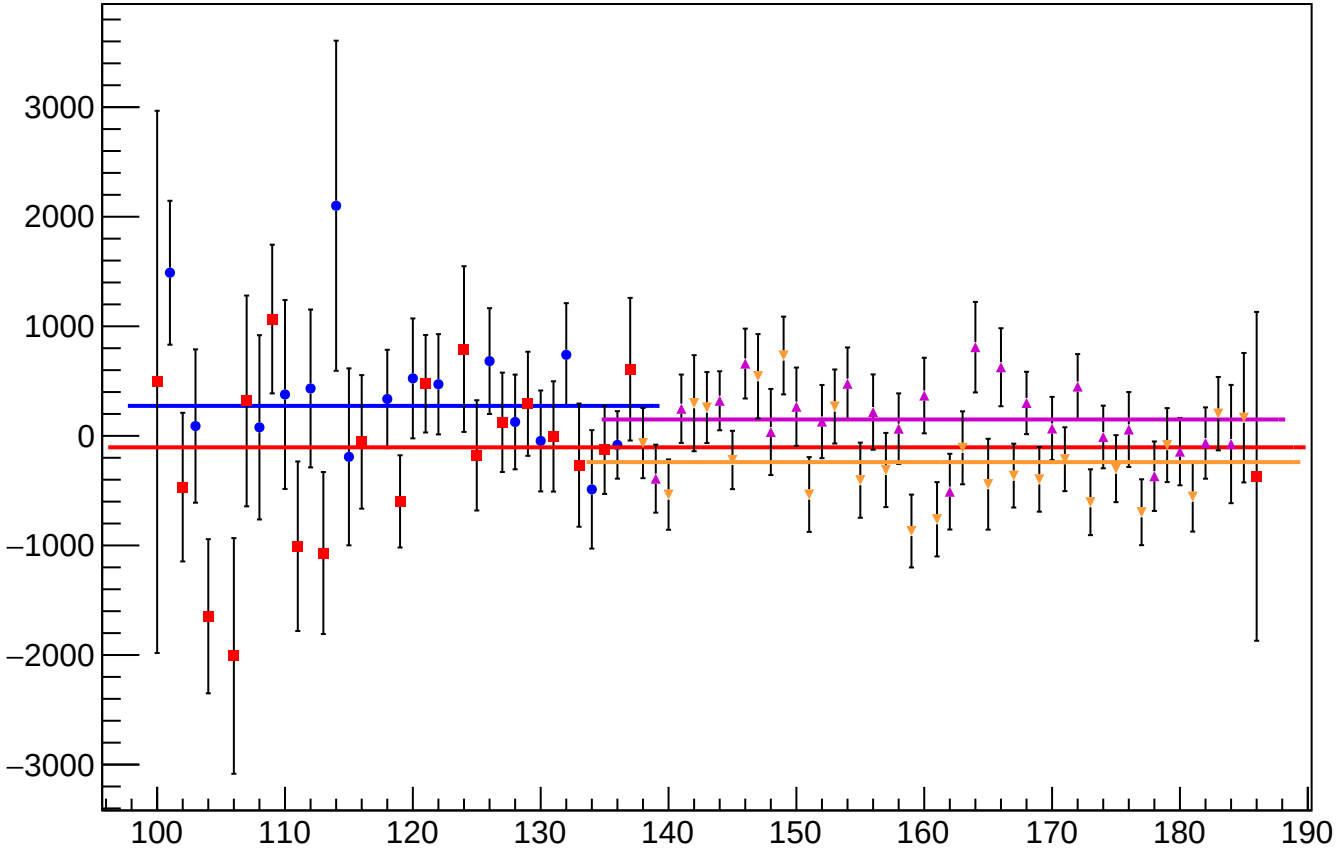
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2126.572+/-0.305 χ^2/NDF: 4238219.5/40

All: 2147.949+/-0.220 χ^2/NDF: 9331519.8/83

- sign 2170.992+/-0.316 χ^2/NDF: 5083076.3/42

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -104.469+/-133.080 χ^2/NDF: 21.3/19

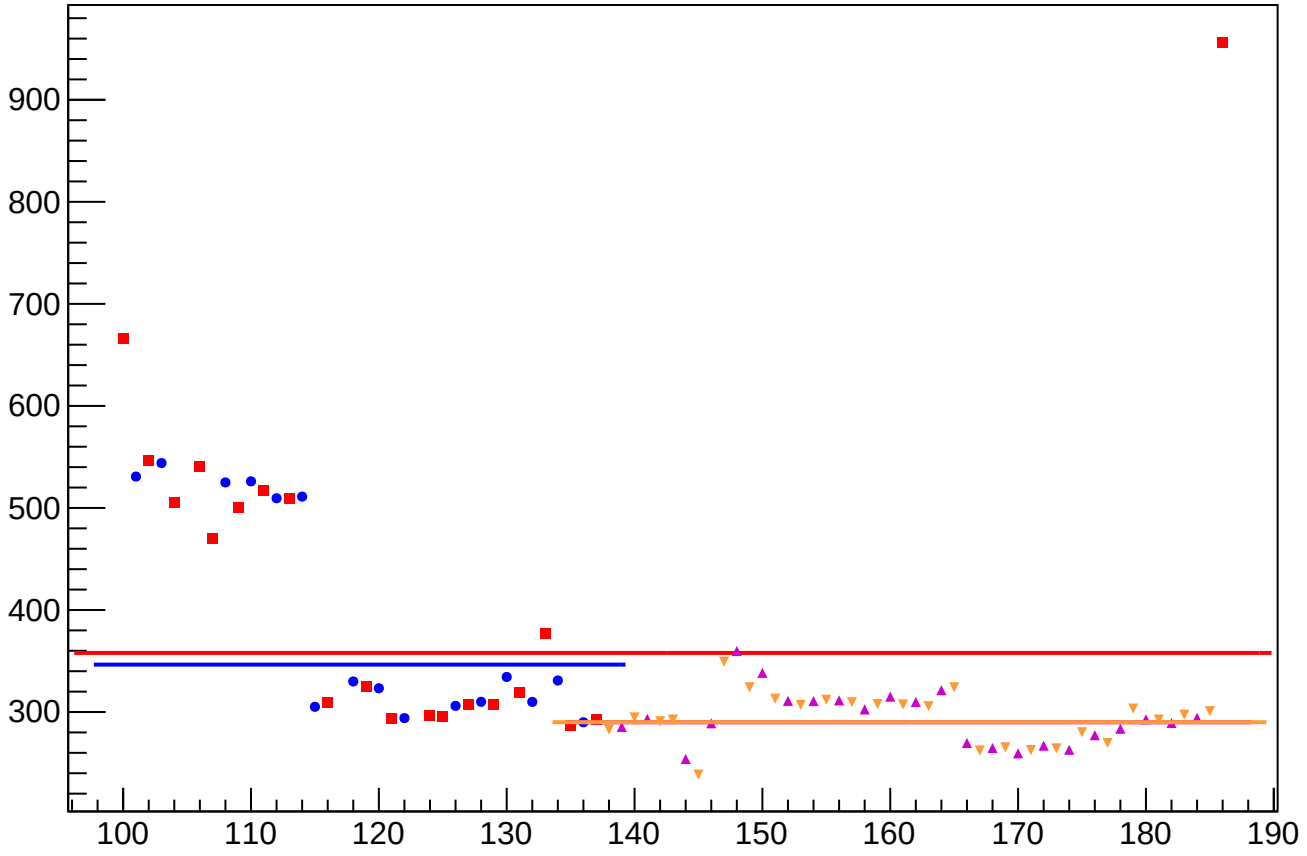
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -137.175+/-59.200 χ^2/NDF: 57.5/40

All: -23.079+/-42.369 χ^2/NDF: 111.0/83

- sign 96.737+/-60.666 χ^2/NDF: 45.9/42

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 357.918+/-0.094 χ^2/NDF: 1186486.3/19

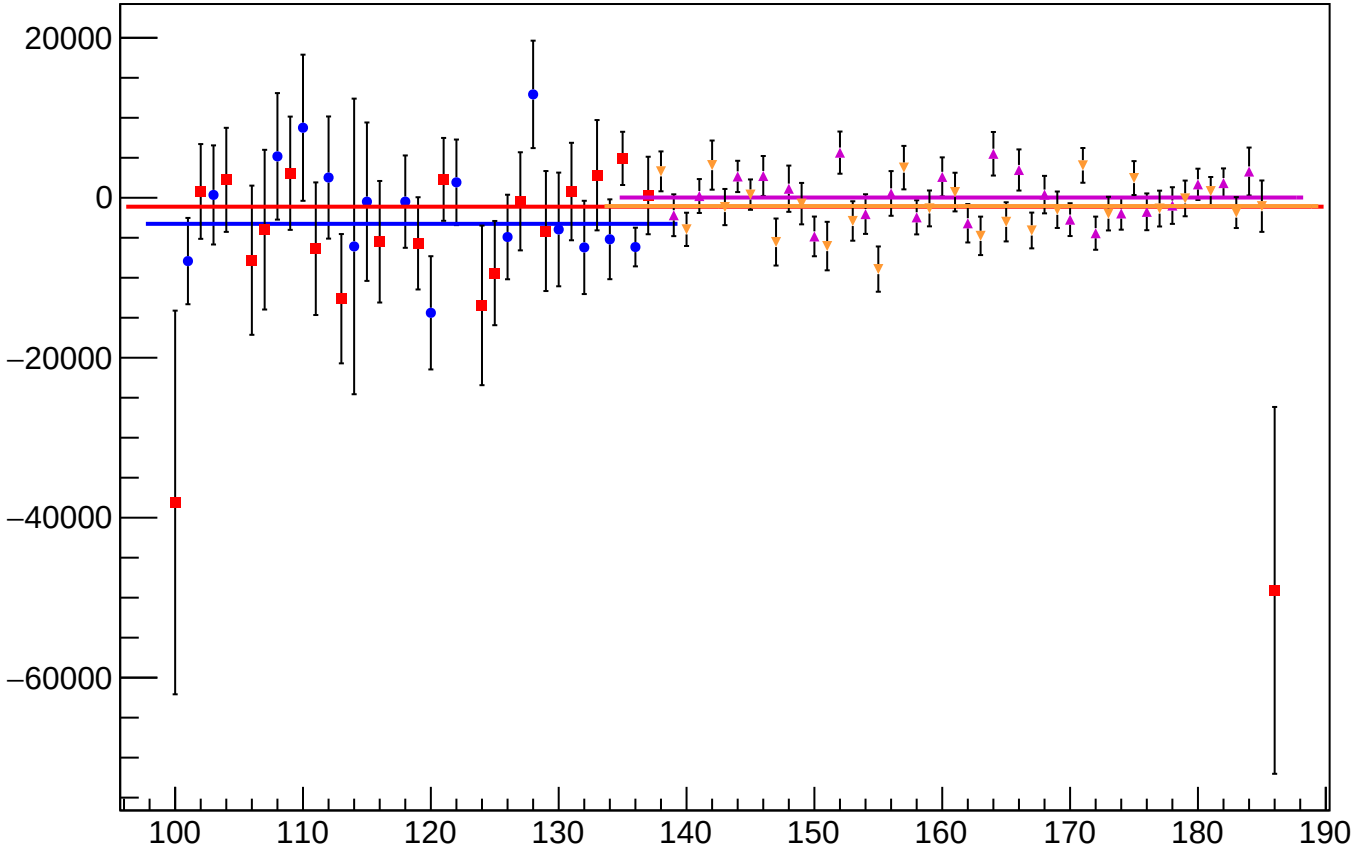
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 301.282+/-0.042 χ^2/NDF: 1339653.2/40

All: 302.640+/-0.030 χ^2/NDF: 3211358.0/83

- sign 304.067+/-0.043 χ^2/NDF: 1869544.8/42

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -1115.821+/-1457.773 χ^2/NDF: 19.0/19

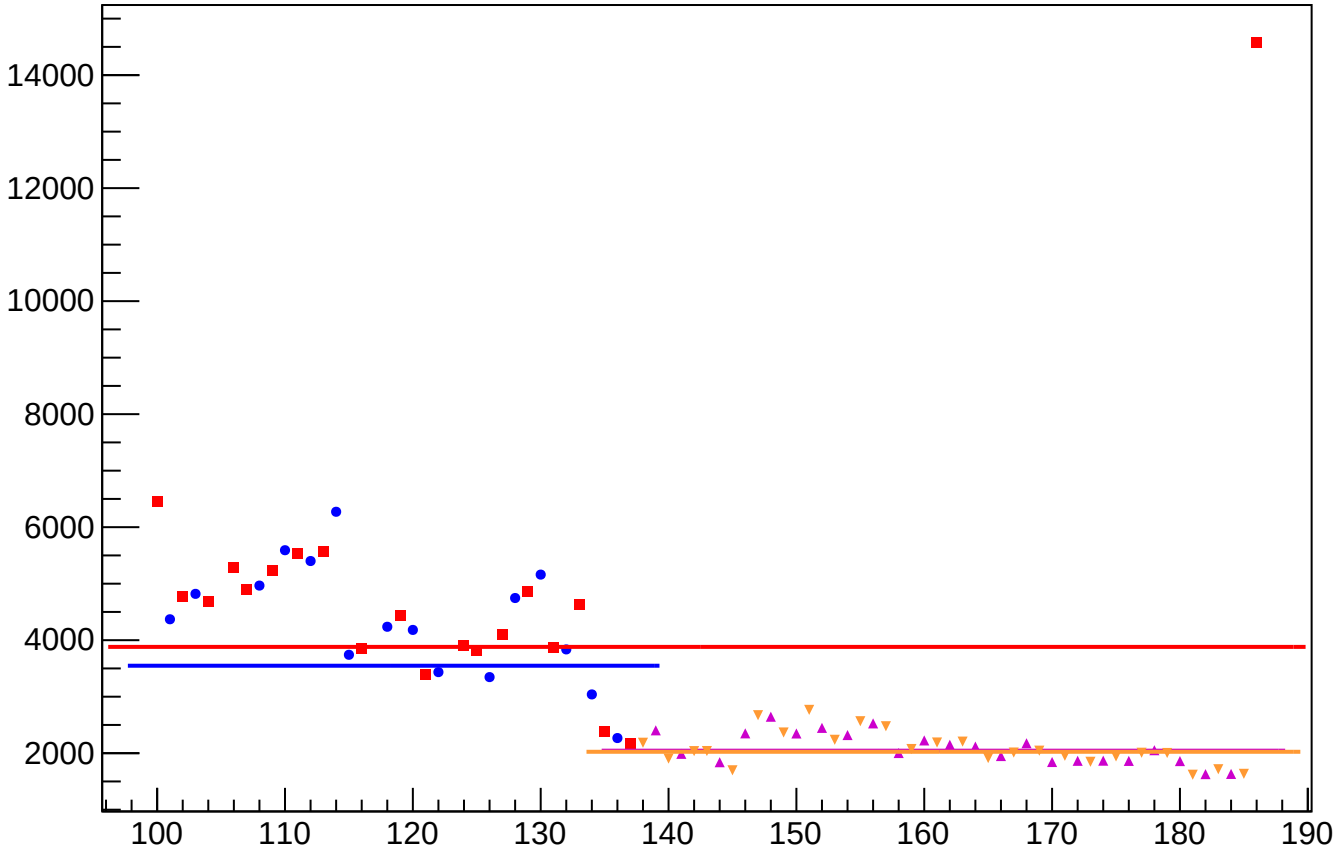
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1262.244+/-441.066 χ^2/NDF: 58.6/40

All: -694.510+/-317.657 χ^2/NDF: 115.8/83

- sign -82.684+/-457.873 χ^2/NDF: 53.7/42

asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 3881.357+/-1.031 χ^2/NDF: 1592524.9/19

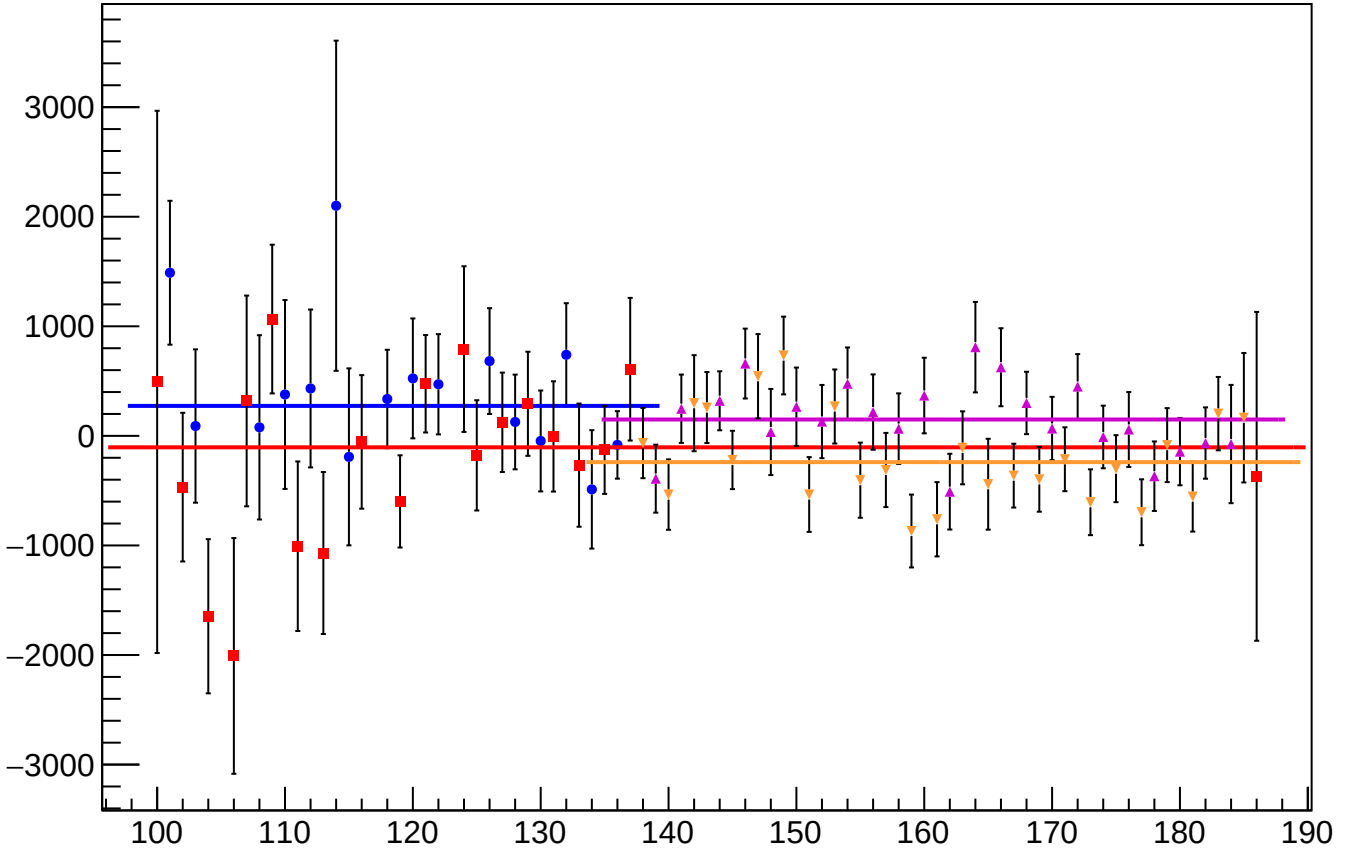
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2179.723+/-0.312 χ^2/NDF: 4134520.5/40

All: 2201.868+/-0.225 χ^2/NDF: 9184521.6/83

- sign 2225.732+/-0.324 χ^2/NDF: 5039526.4/42

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -104.467+/-133.079 χ^2/NDF: 21.3/19

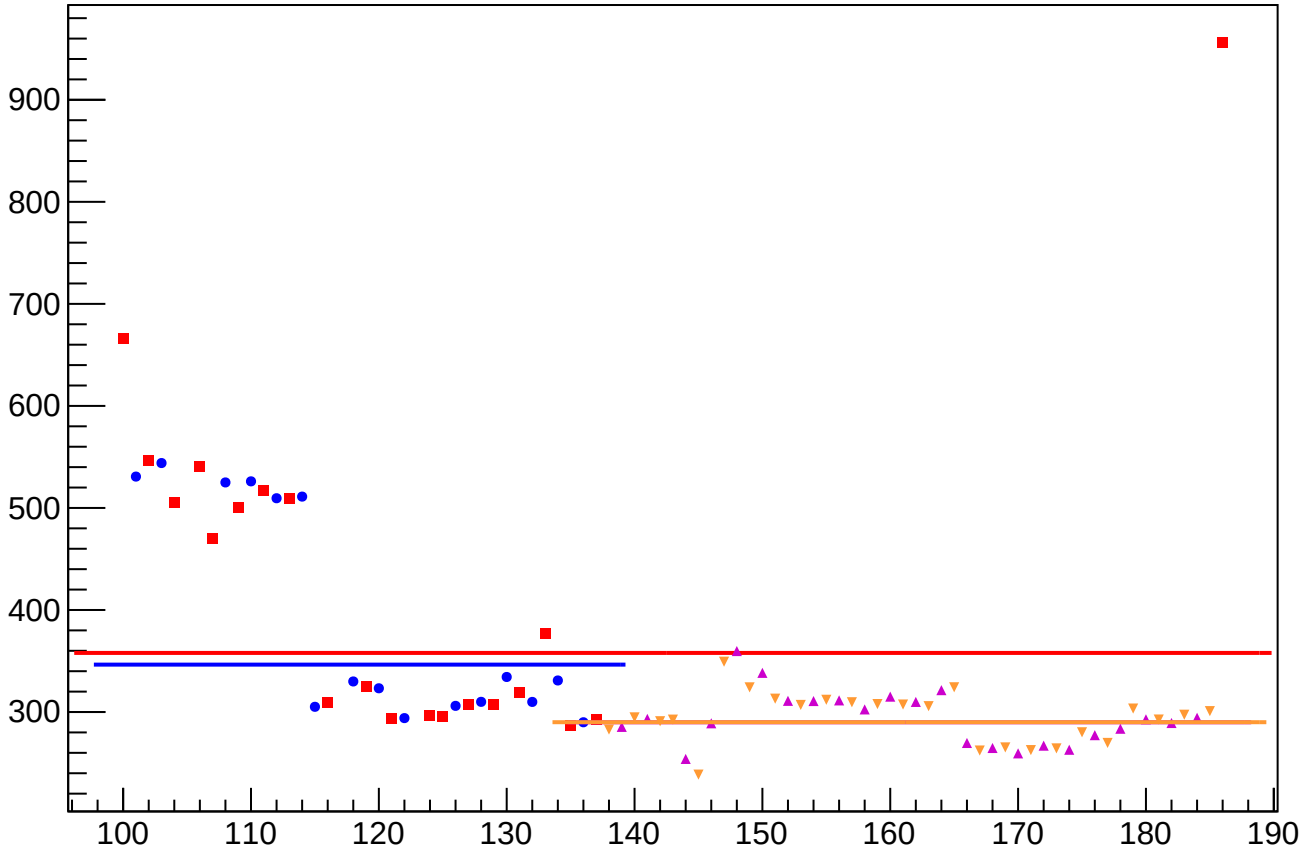
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -137.176+/-59.200 χ^2/NDF: 57.5/40

All: -23.079+/-42.369 χ^2/NDF: 111.0/83

- sign 96.737+/-60.665 χ^2/NDF: 45.9/42

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 357.917+/-0.094 χ^2/NDF: 1186474.0/19

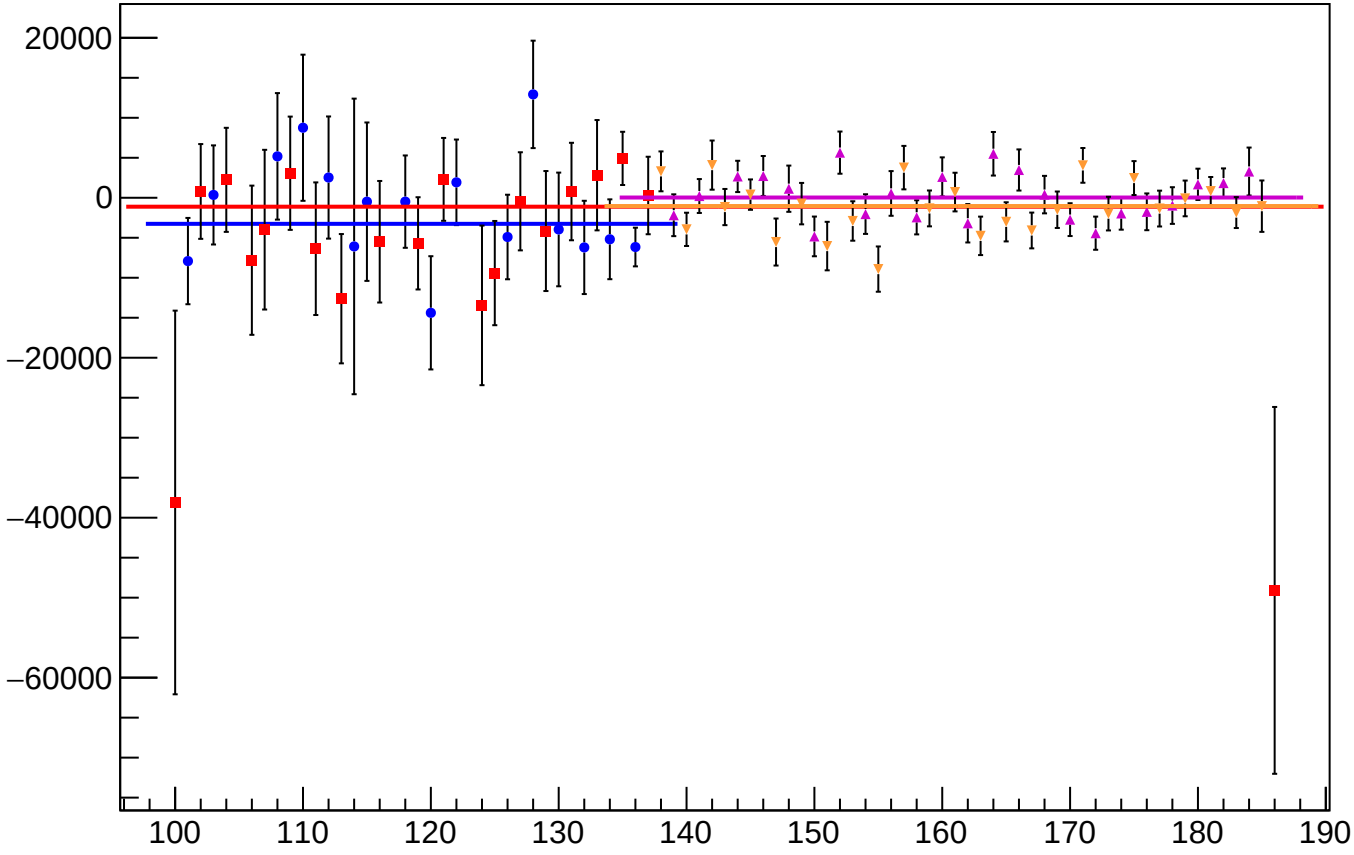
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 301.281+/-0.042 χ^2/NDF: 1339631.6/40

All: 302.640+/-0.030 χ^2/NDF: 3211314.0/83

- sign 304.067+/-0.043 χ^2/NDF: 1869522.3/42

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -1115.825+/-1457.771 χ^2/NDF: 19.0/19

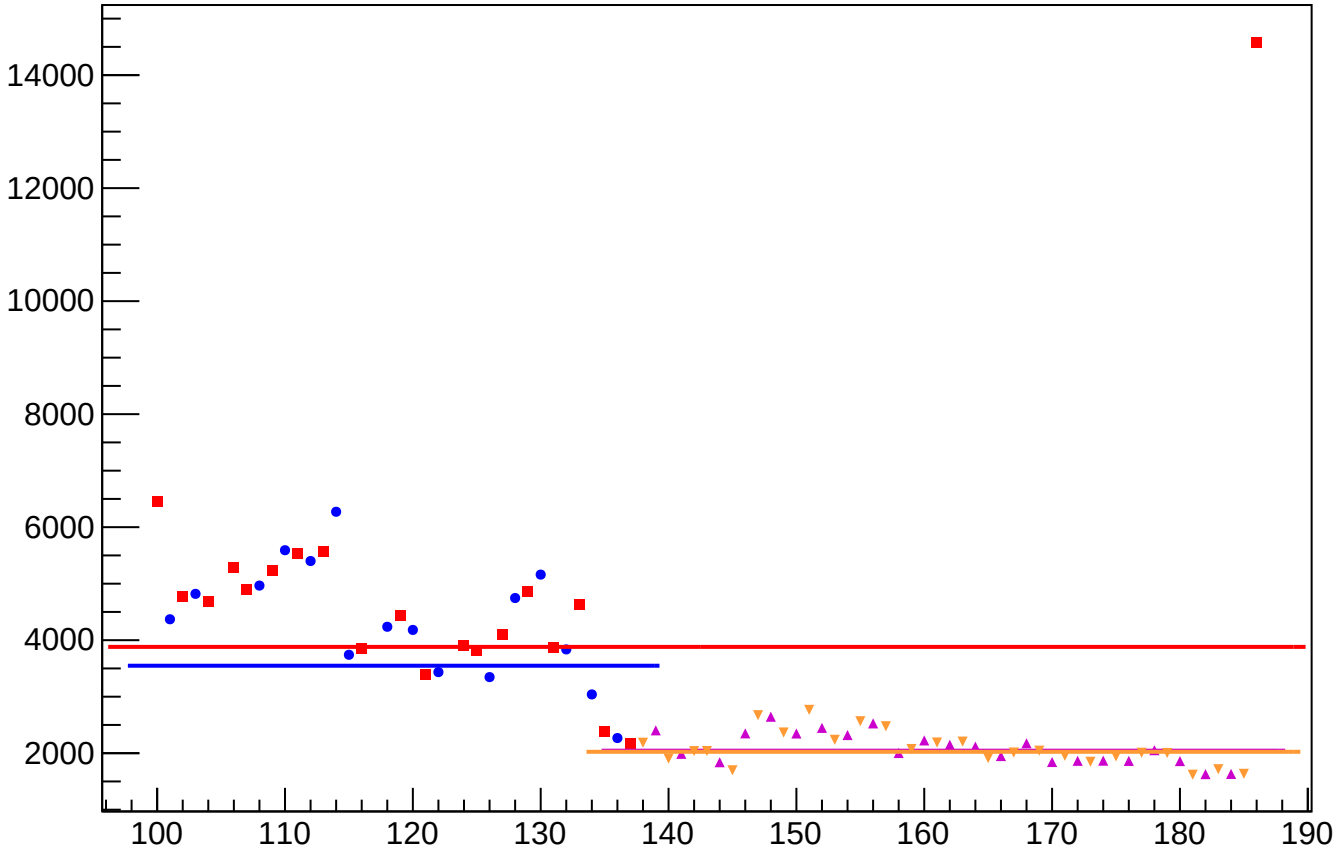
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1262.244+/-441.066 χ^2/NDF: 58.6/40

All: -694.511+/-317.657 χ^2/NDF: 115.8/83

- sign -82.686+/-457.873 χ^2/NDF: 53.7/42

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 3881.352+/-1.031 χ^2/NDF: 1592514.6/19

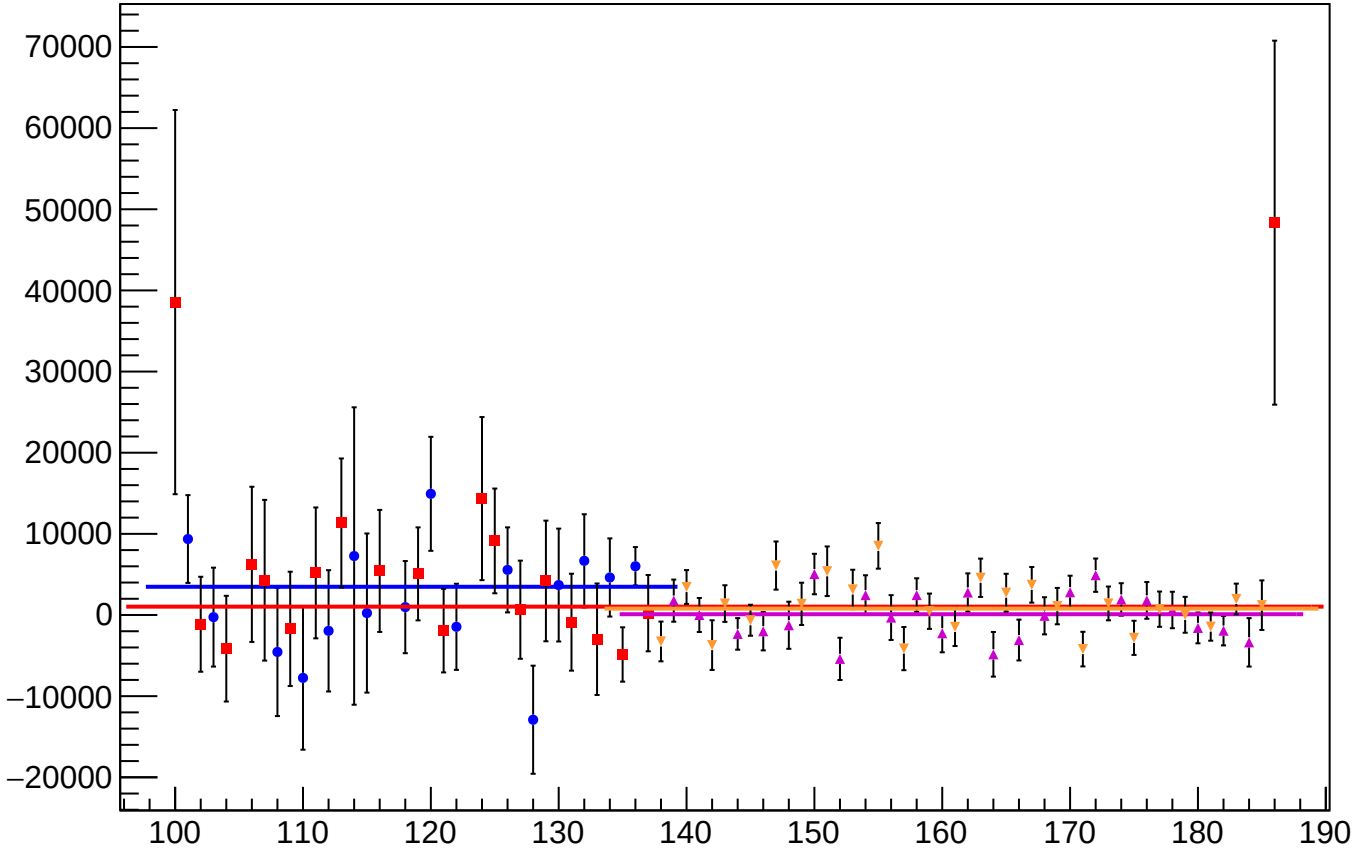
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2179.723+/-0.312 χ^2/NDF: 4134505.5/40

All: 2201.868+/-0.225 χ^2/NDF: 9184494.5/83

- sign 2225.732+/-0.324 χ^2/NDF: 5039514.4/42

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 1030.271+/-1446.630 χ^2/NDF: 18.5/19

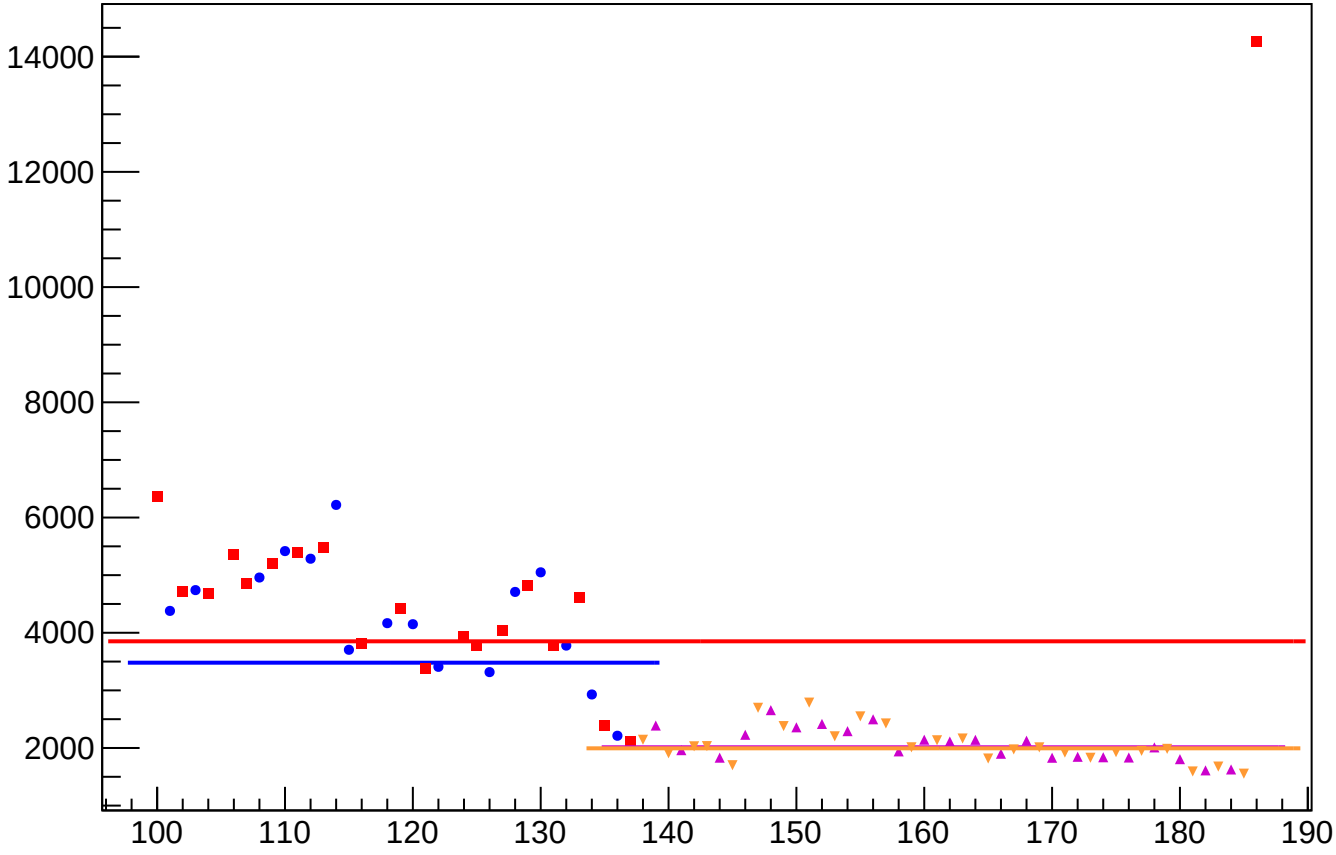
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1062.977+/-434.677 χ^2/NDF: 61.2/40

All: 641.519+/-313.023 χ^2/NDF: 114.8/83

- sign 187.523+/-451.145 χ^2/NDF: 51.7/42

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

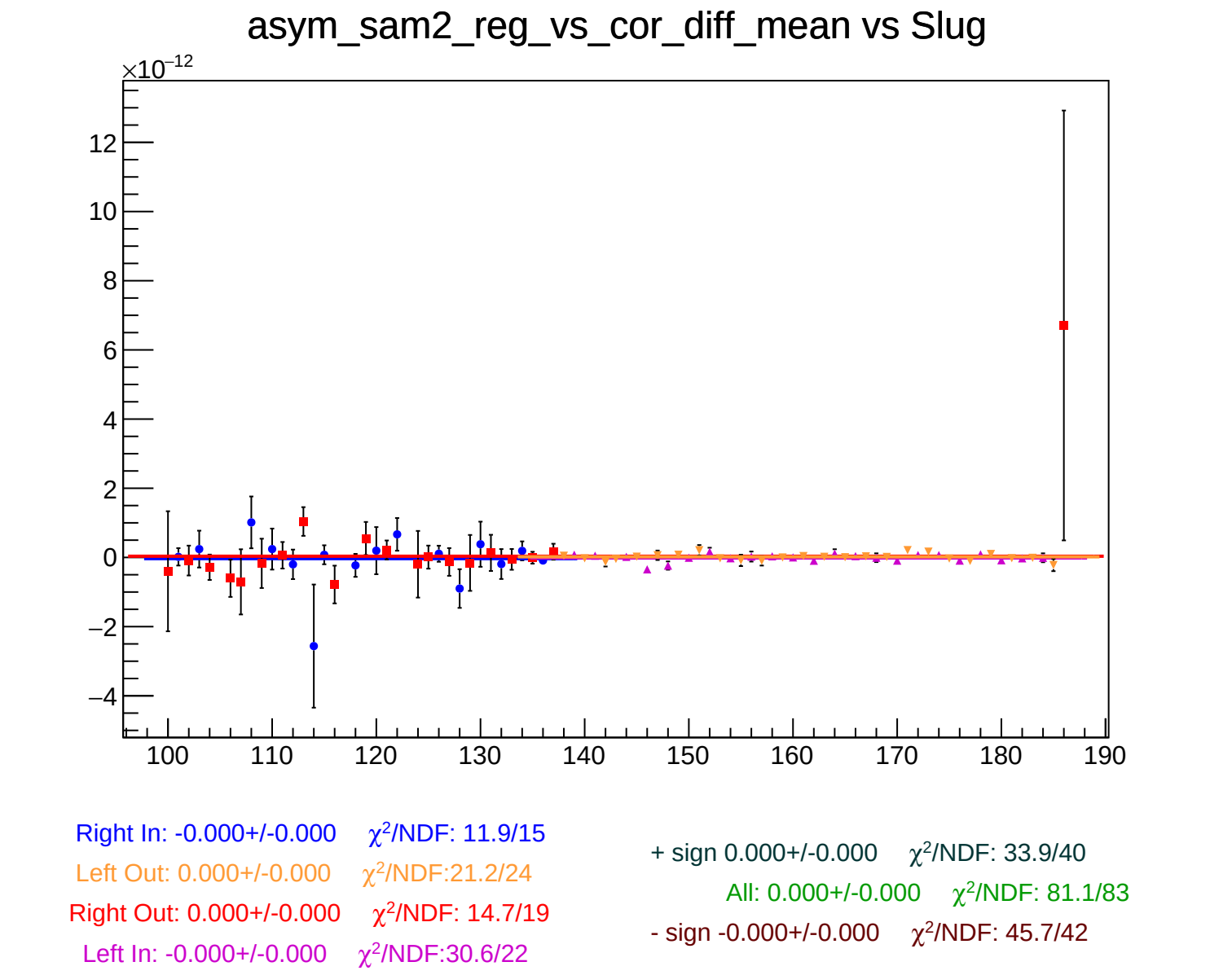
Right Out: 3851.642+/-1.023 χ^2/NDF: 1580230.3/19

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2145.999+/-0.307 χ^2/NDF: 4186886.7/40

All: 2167.924+/-0.221 χ^2/NDF: 9282504.5/83

- sign 2191.541+/-0.319 χ^2/NDF: 5085048.8/42


asym_sam2_reg_vs_cor_diff_mean vs Slug
×10^−12
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100
110
120
130
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150
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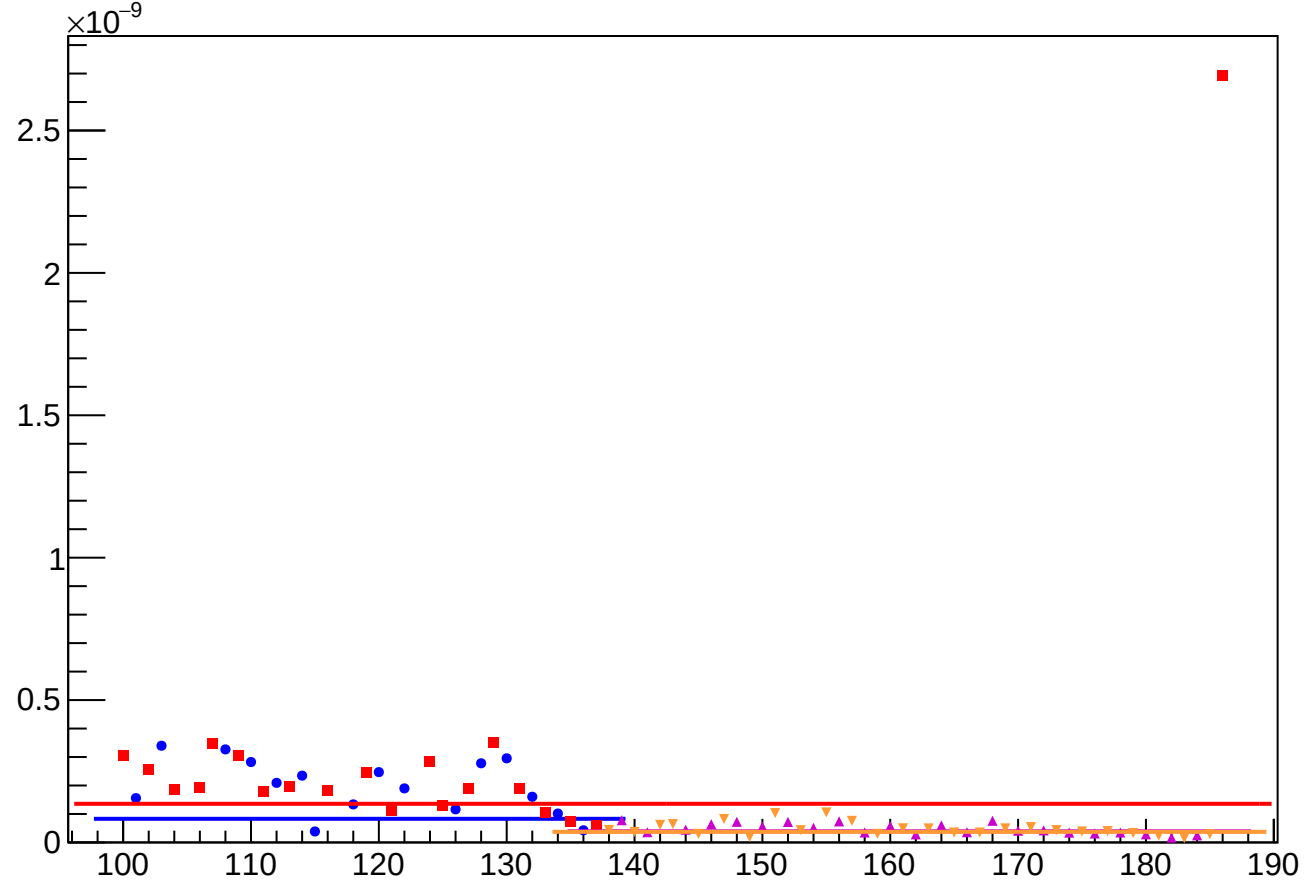
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:21.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 14.7/19
Left In: -0.000+/-0.000 χ²/NDF:30.6/22
+ sign 0.000+/-0.000 χ²/NDF: 33.9/40
All: 0.000+/-0.000 χ²/NDF: 81.1/83
- sign -0.000+/-0.000 χ²/NDF: 45.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1740518.0/19

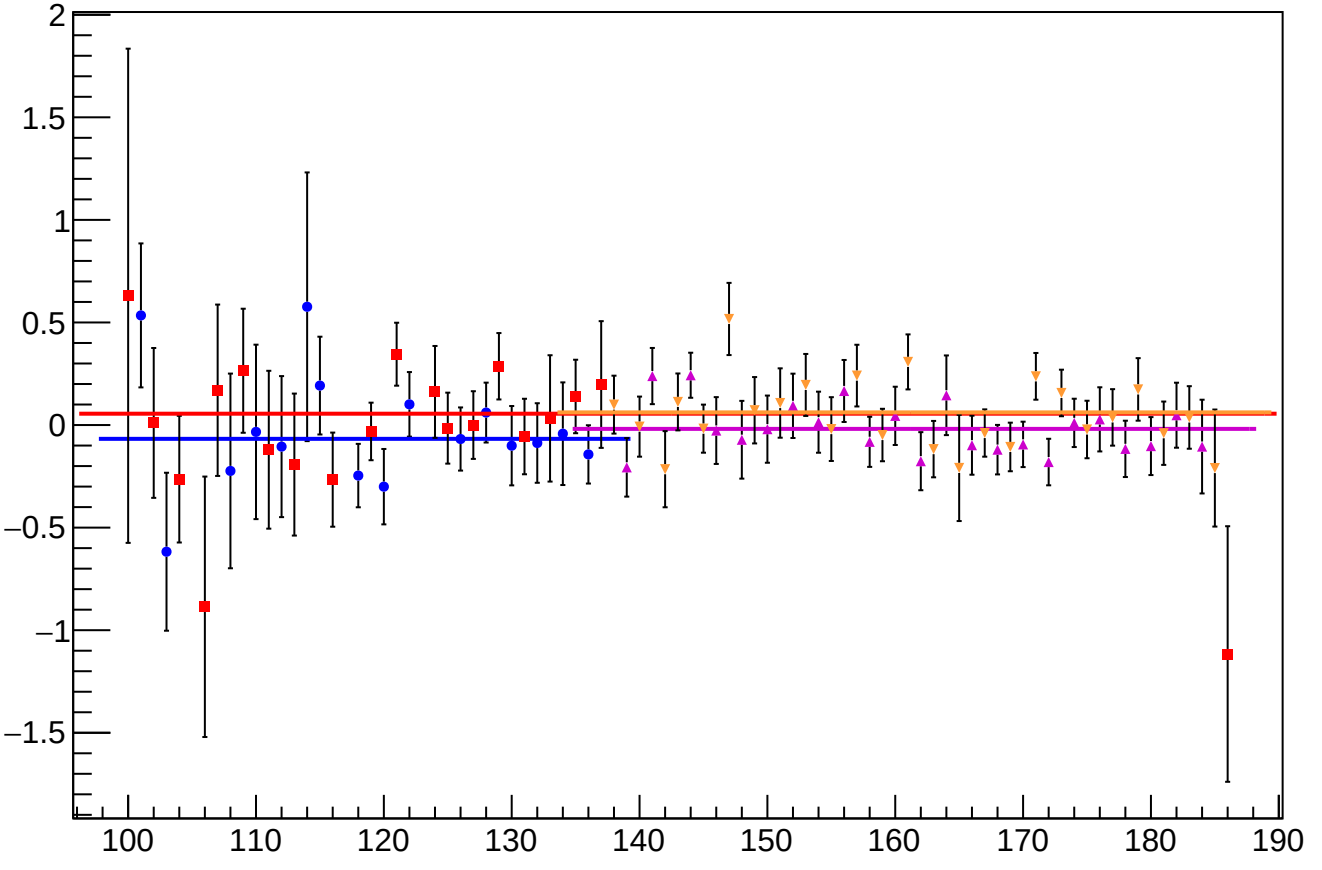
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6096234.4/40

All: 0.000+/-0.000 χ^2/NDF: 12284959.4/83

- sign 0.000+/-0.000 χ^2/NDF: 6160974.7/42

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.055+/-0.051 χ^2/NDF: 17.6/19

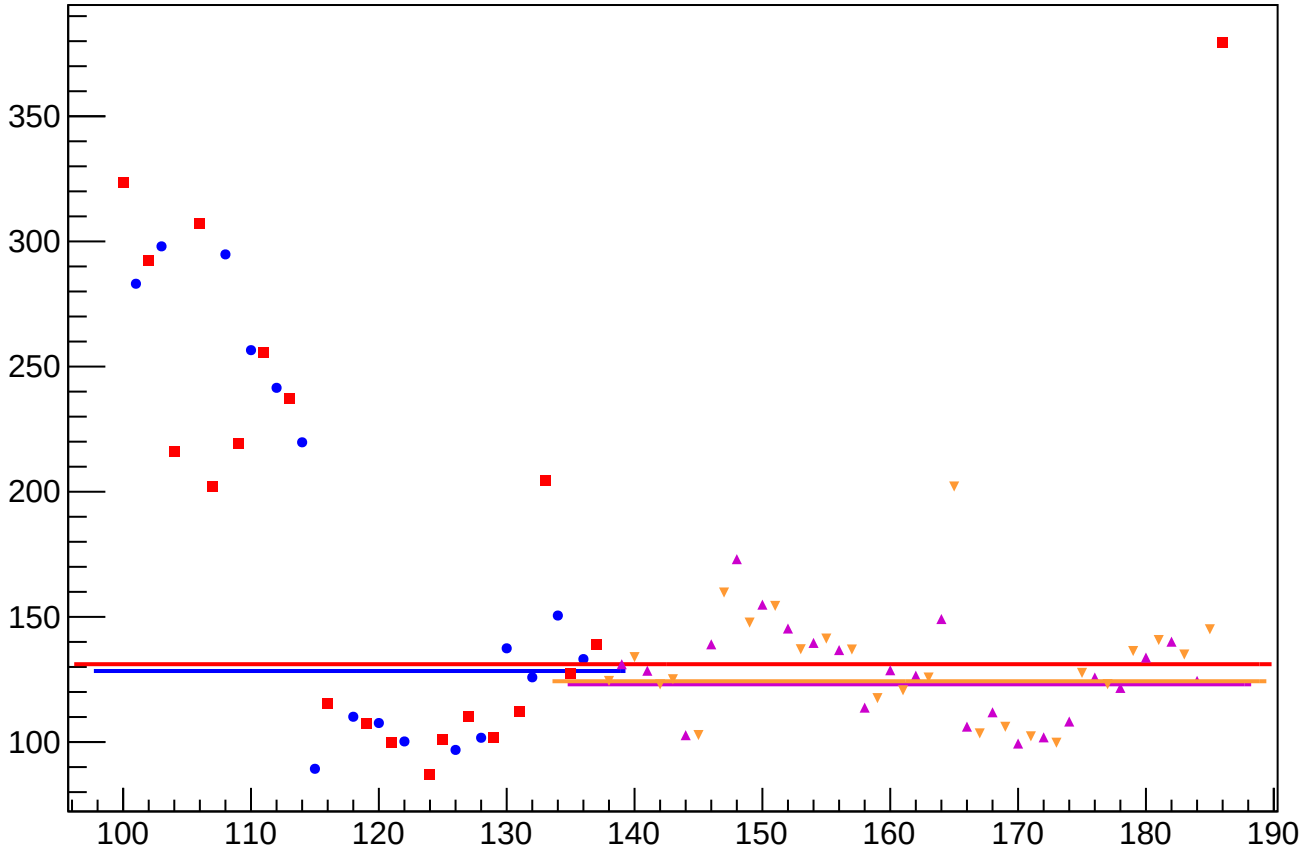
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.025 χ^2/NDF: 44.6/40

All: 0.016+/-0.018 χ^2/NDF: 84.9/83

- sign -0.001+/-0.025 χ^2/NDF: 39.5/42

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

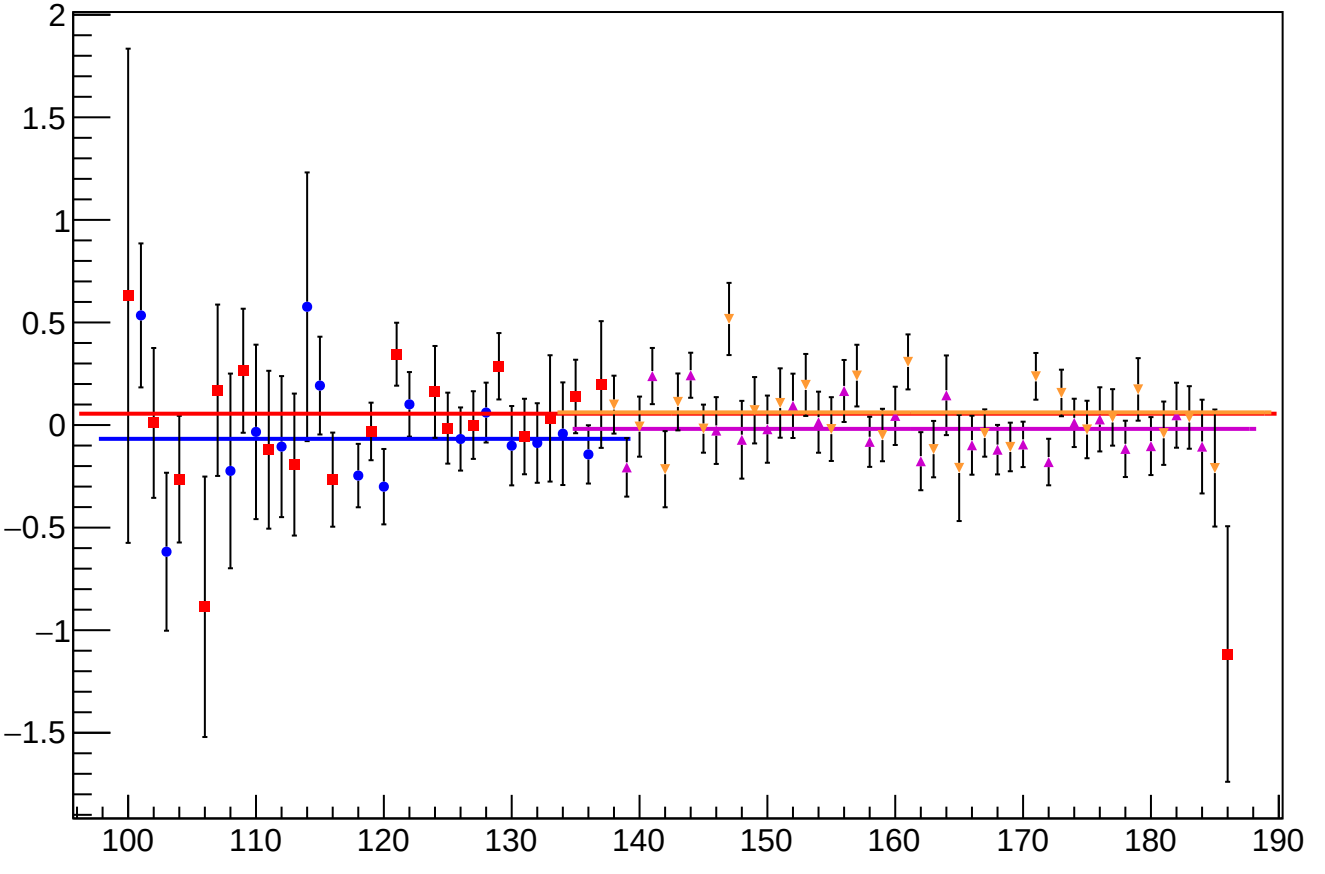
Right Out: 131.104+/-0.036 χ^2/NDF: 2208145.2/19

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 125.252+/-0.018 χ^2/NDF: 2655604.7/40

All: 125.145+/-0.013 χ^2/NDF: 5619530.4/83

- sign 125.035+/-0.018 χ^2/NDF: 2963852.0/42



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.055+/-0.051 χ^2/NDF: 17.6/19

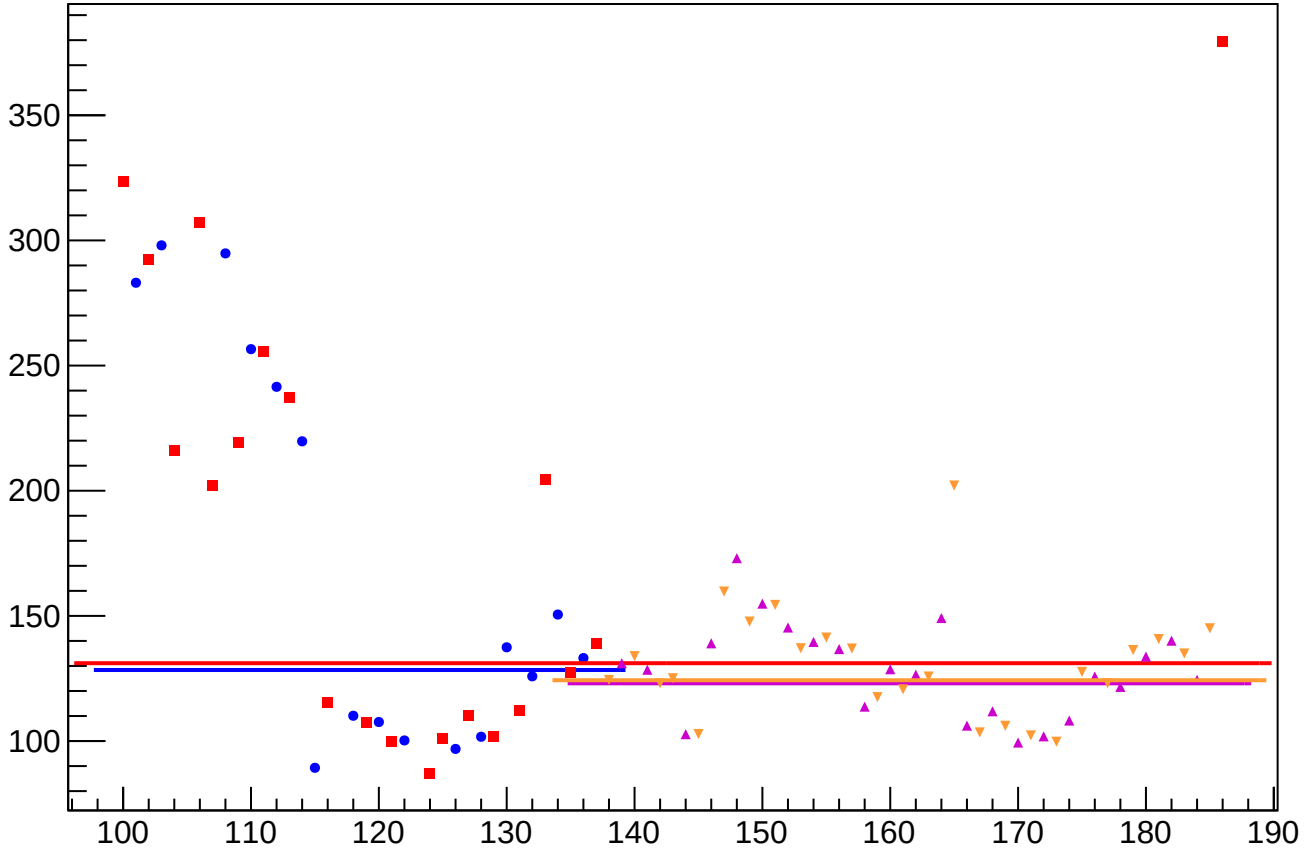
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.025 χ^2/NDF: 44.6/40

All: 0.016+/-0.018 χ^2/NDF: 84.9/83

- sign -0.001+/-0.025 χ^2/NDF: 39.5/42

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 131.104+/-0.036 χ^2/NDF: 2208145.2/19

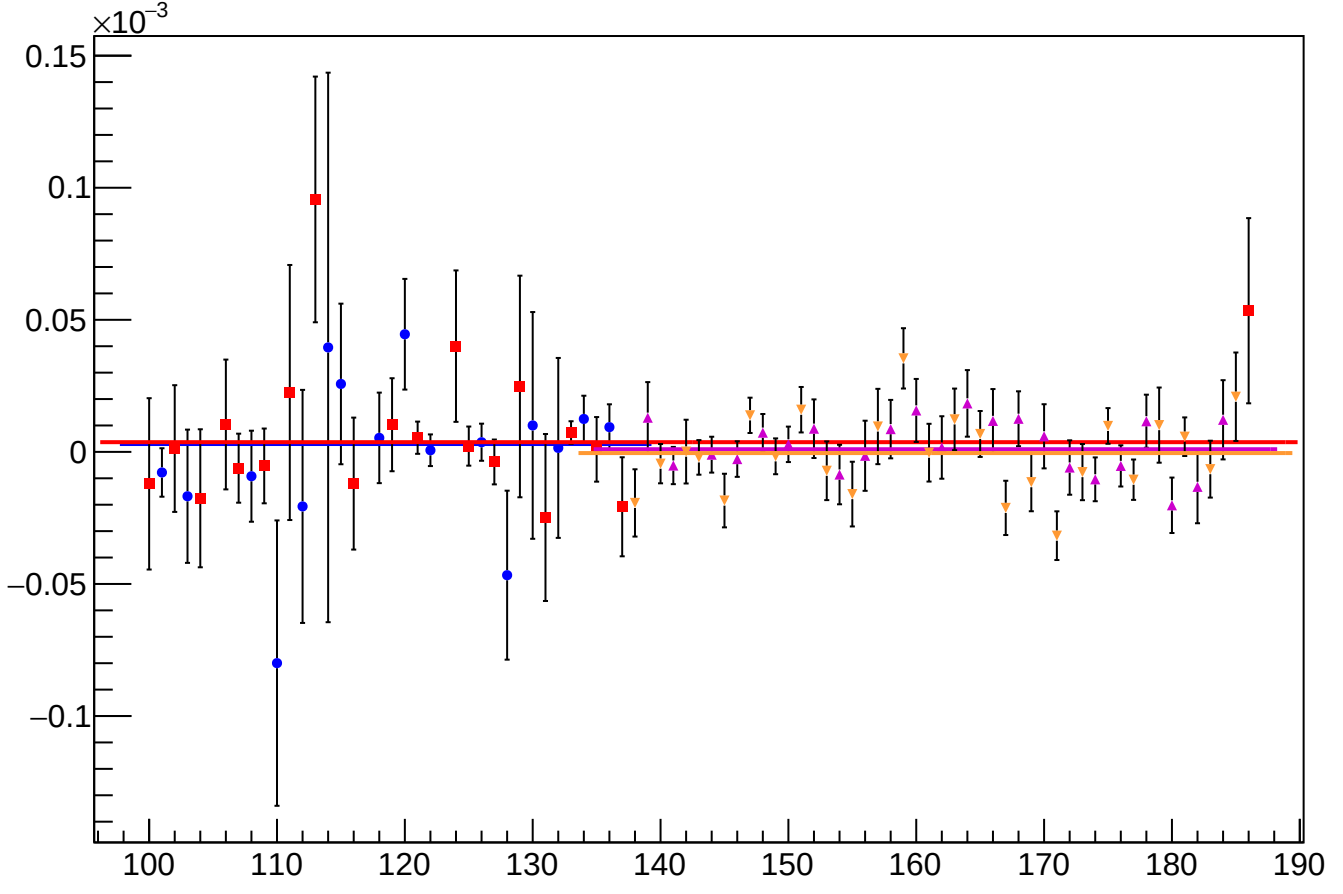
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 125.252+/-0.018 χ^2/NDF: 2655604.7/40

All: 125.145+/-0.013 χ^2/NDF: 5619530.4/83

- sign 125.035+/-0.018 χ^2/NDF: 2963852.0/42

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/19

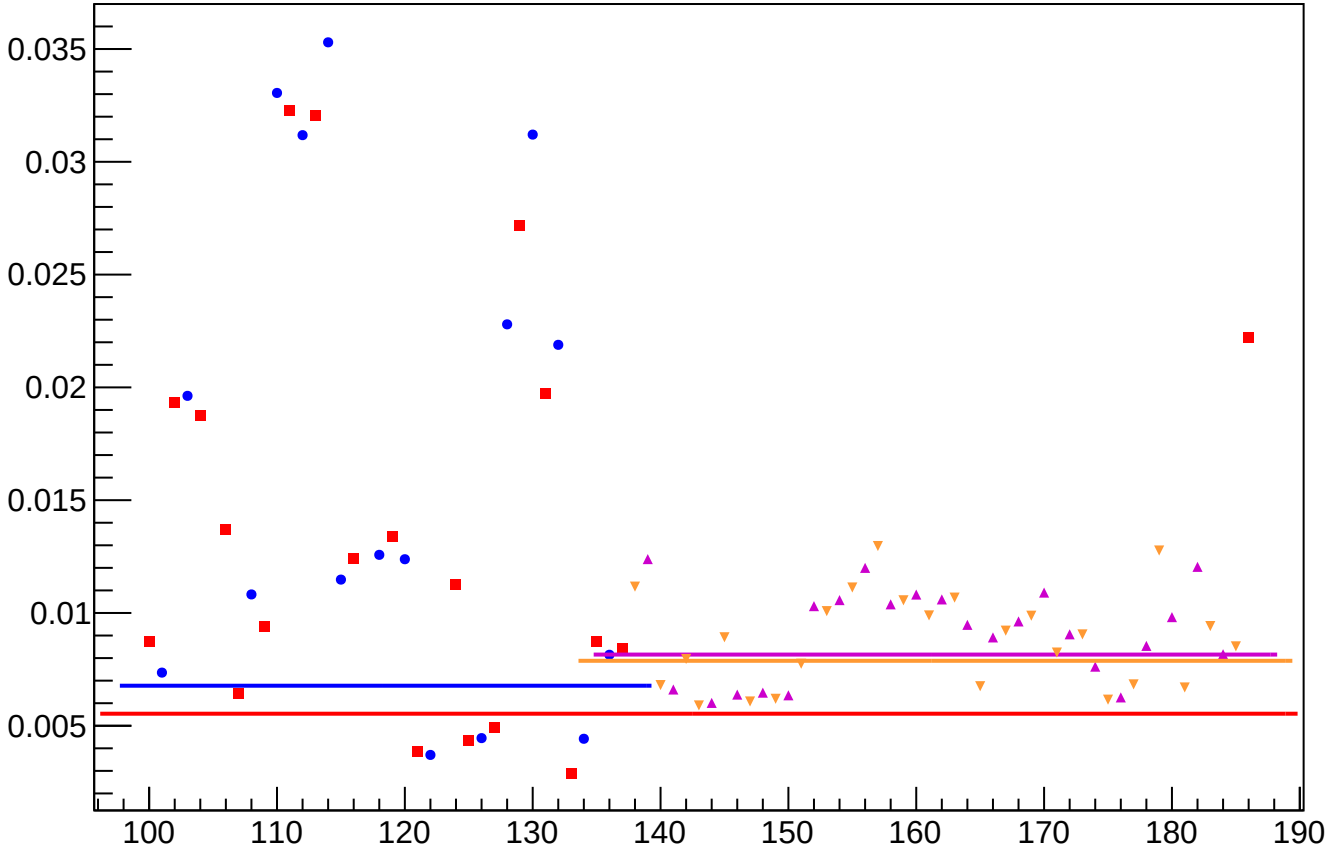
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.4/40

All: 0.000+/-0.000 χ^2/NDF: 103.2/83

- sign 0.000+/-0.000 χ^2/NDF: 35.2/42

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6028057.8/19

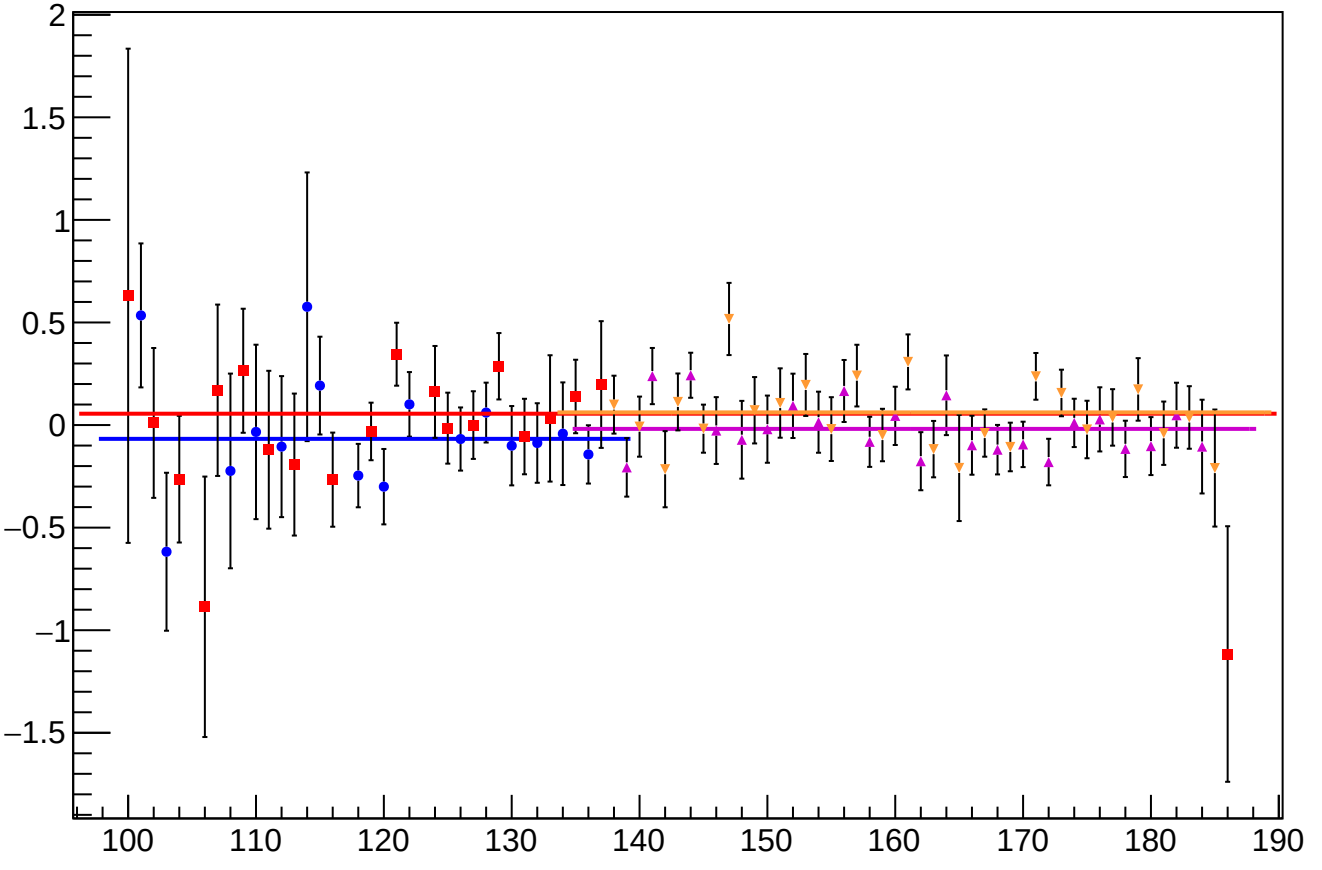
Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7032335.7/40

All: 0.007+/-0.000 χ^2/NDF: 16437551.5/83

- sign 0.007+/-0.000 χ^2/NDF: 9338379.3/42

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.055+/-0.051 χ^2/NDF: 17.6/19

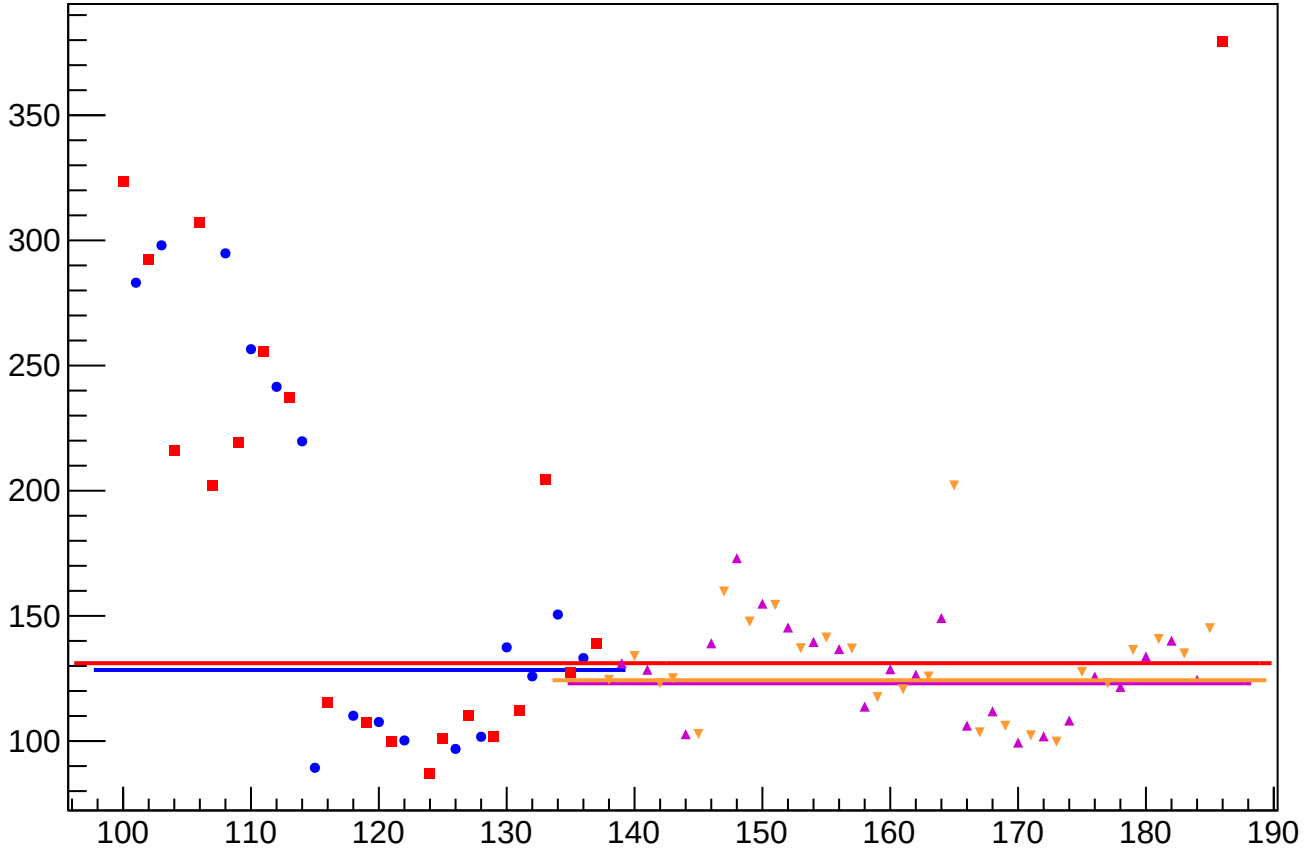
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.025 χ^2/NDF: 44.6/40

All: 0.016+/-0.018 χ^2/NDF: 84.9/83

- sign -0.001+/-0.025 χ^2/NDF: 39.5/42

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

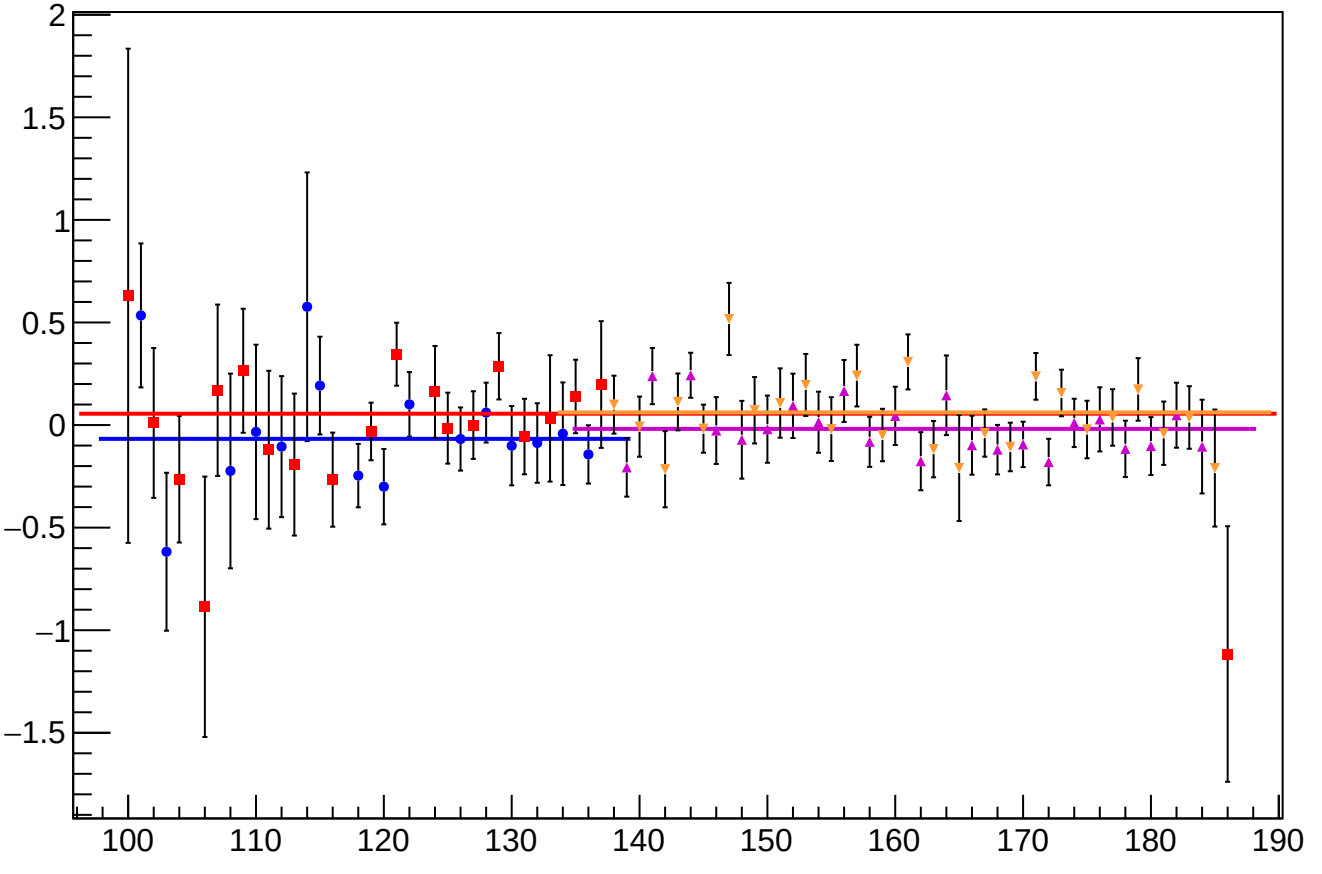
Right Out: 131.101+/-0.036 χ^2/NDF: 2208141.3/19

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 125.251+/-0.018 χ^2/NDF: 2655592.3/40

All: 125.144+/-0.013 χ^2/NDF: 5619511.9/83

- sign 125.034+/-0.018 χ^2/NDF: 2963845.8/42



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

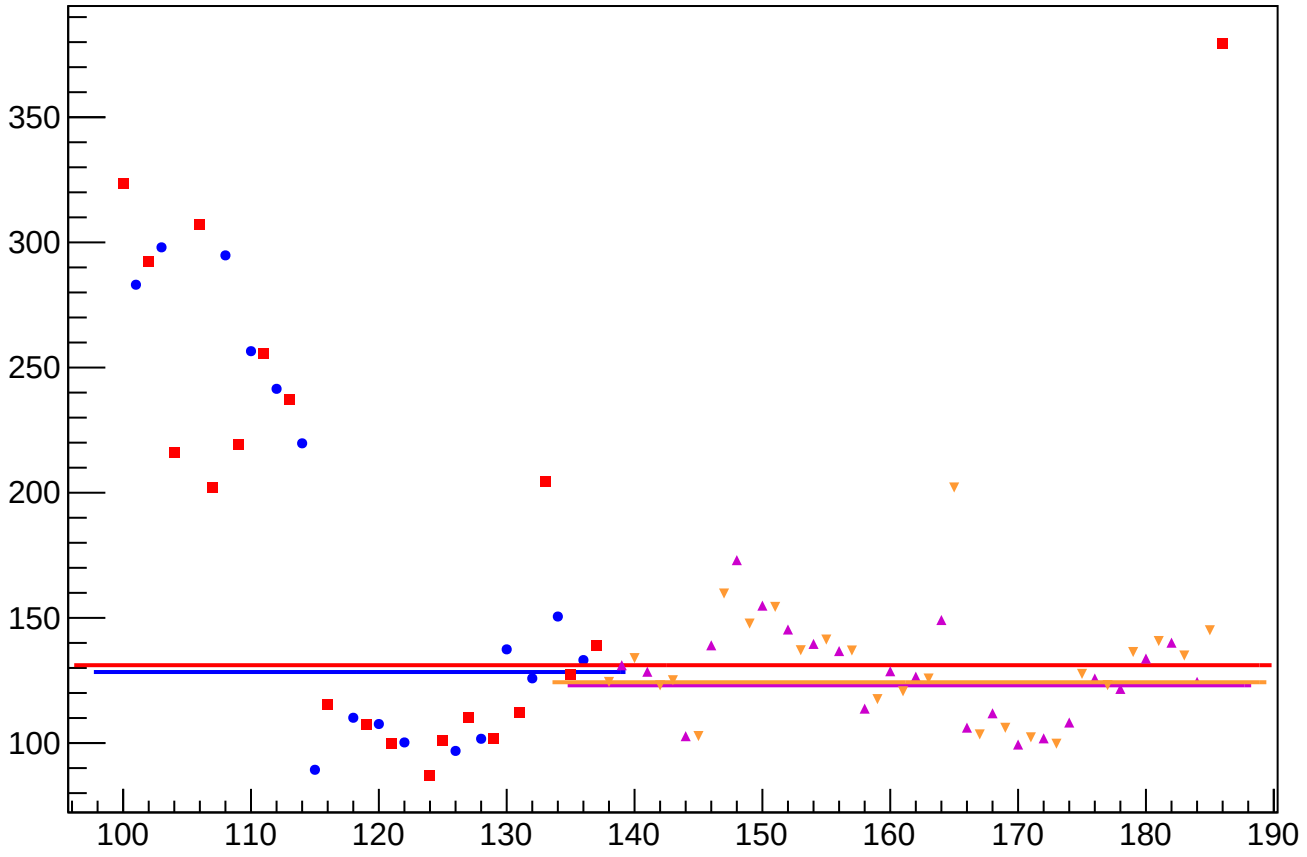
Right Out: 0.055+/-0.051 χ^2/NDF: 17.6/19

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.025 χ^2/NDF: 44.6/40

All: 0.016+/-0.018 χ^2/NDF: 84.9/83

- sign -0.001+/-0.025 χ^2/NDF: 39.5/42



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 131.101+/-0.036 χ^2/NDF: 2208141.3/19

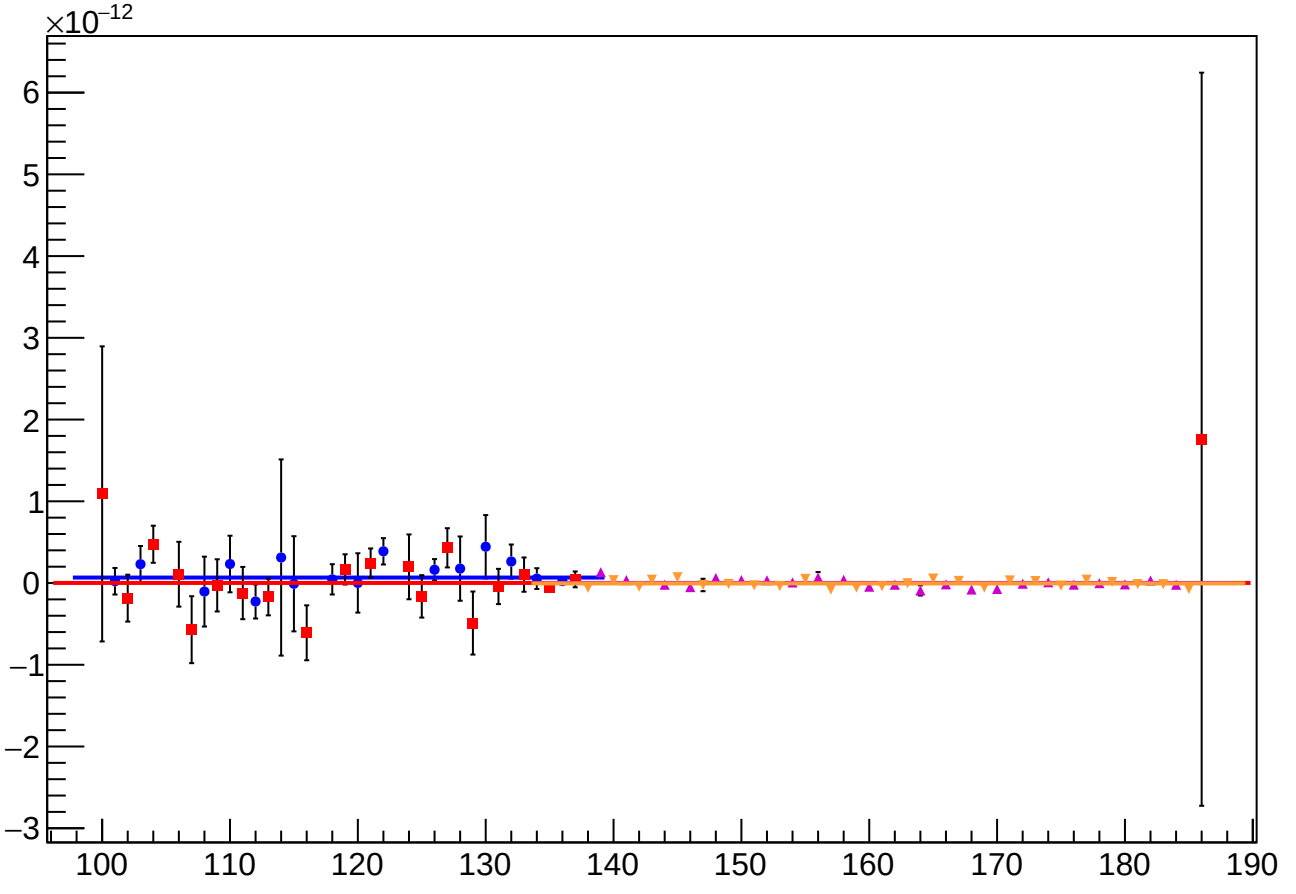
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 125.251+/-0.018 χ^2/NDF: 2655592.3/40

All: 125.144+/-0.013 χ^2/NDF: 5619511.9/83

- 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: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/19

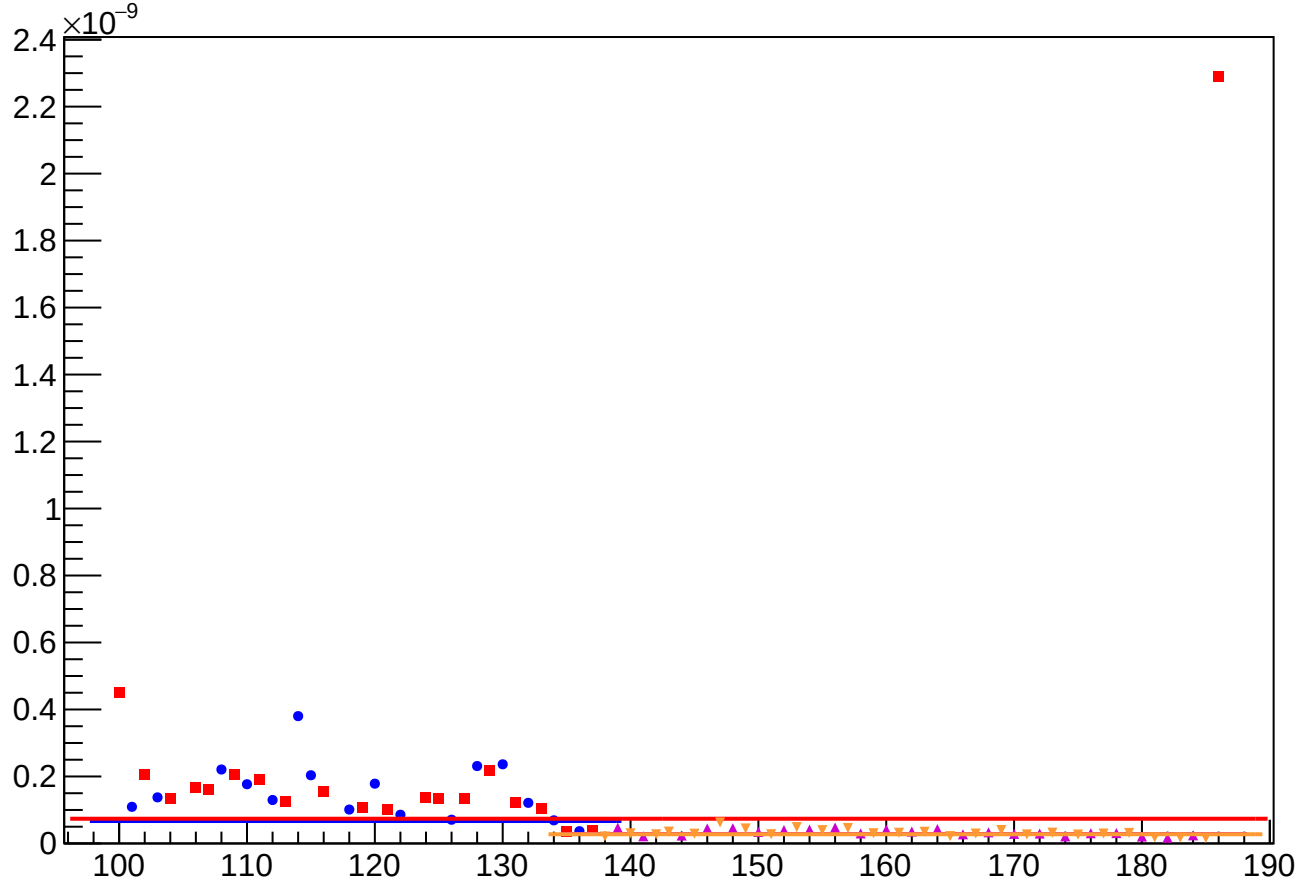
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.6/40

All: -0.000+/-0.000 χ^2/NDF: 84.1/83

- 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: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4142443.4/19

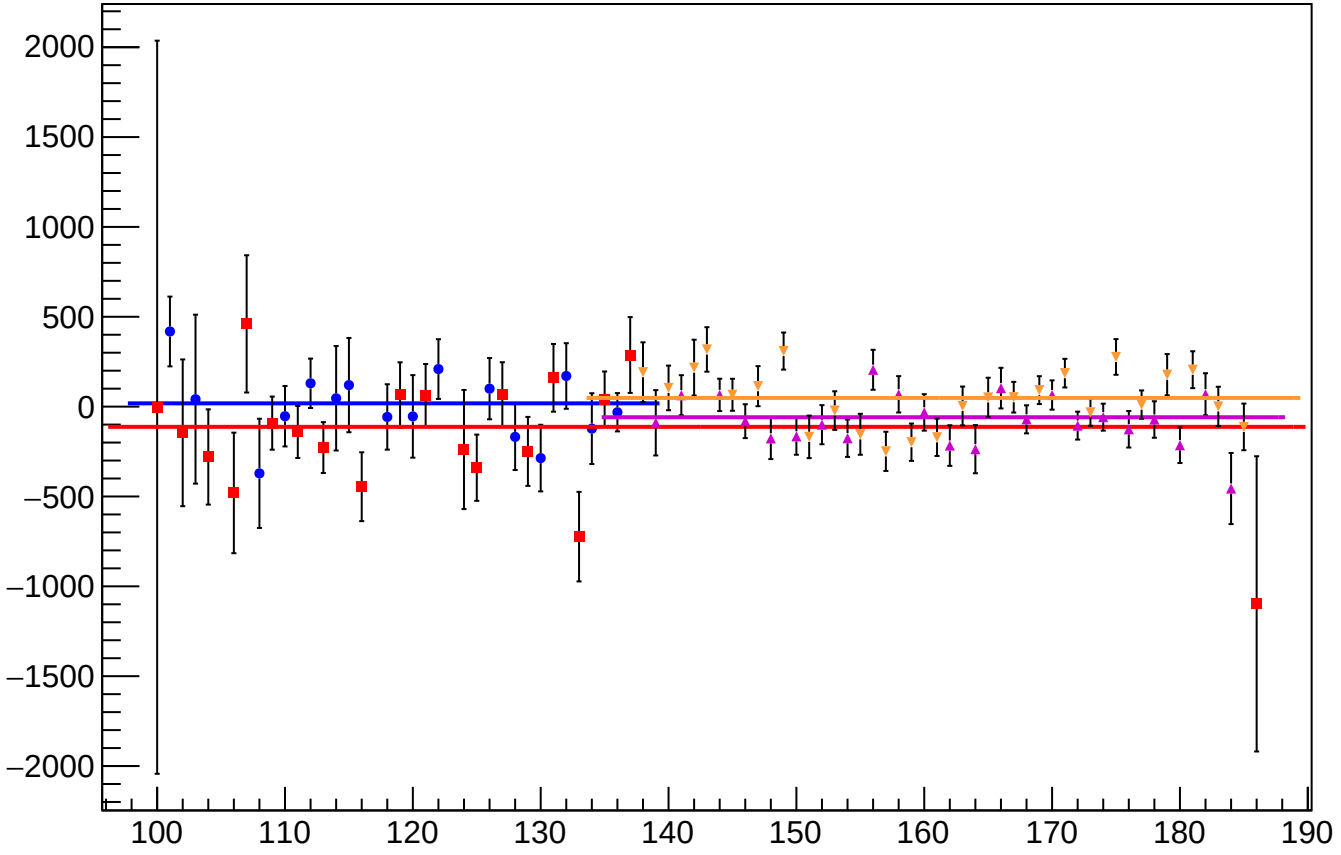
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7864189.5/40

All: 0.000+/-0.000 χ^2/NDF: 16772173.7/83

- sign 0.000+/-0.000 χ^2/NDF: 8896298.5/42

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -112.498+/-45.754 χ^2/NDF: 26.9/19

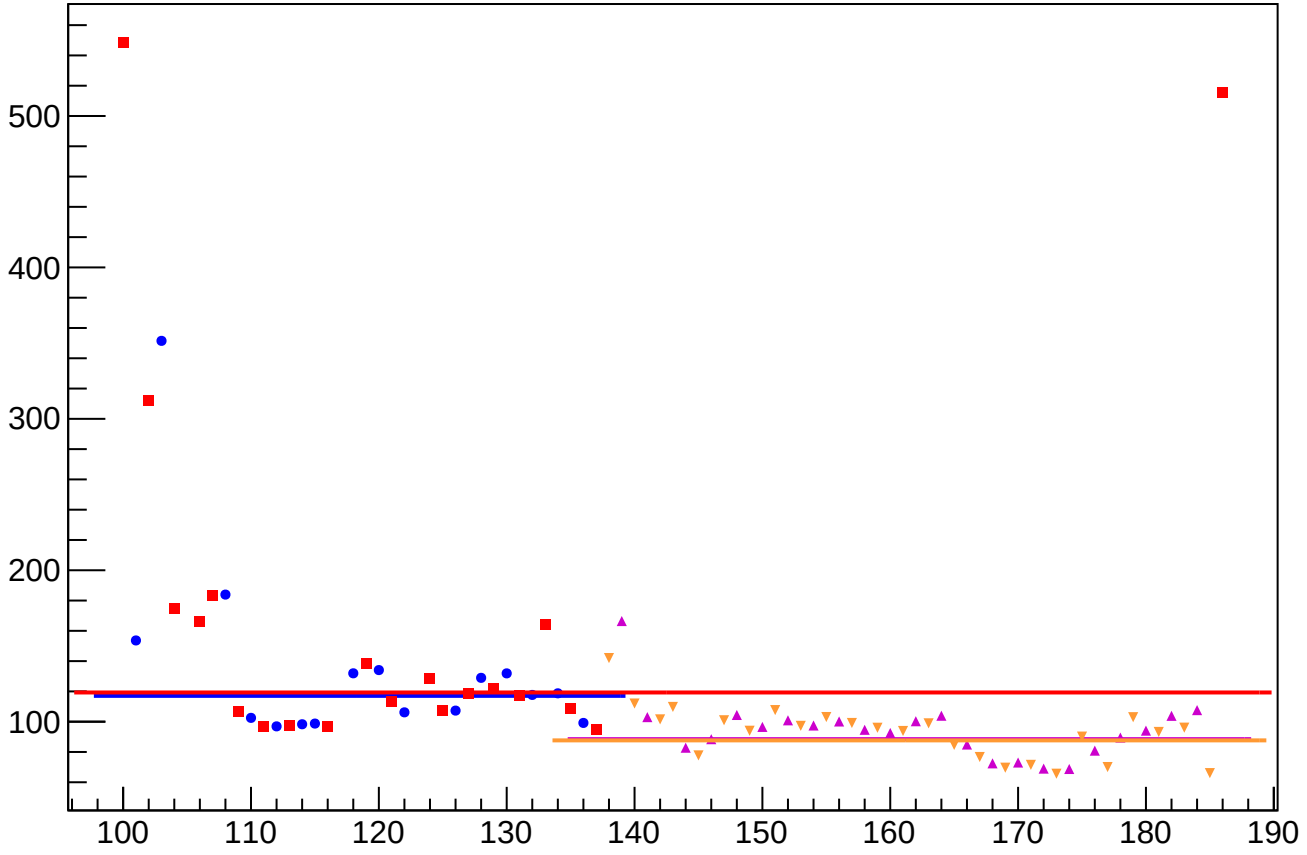
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 43.368+/-18.646 χ^2/NDF: 67.8/40

All: -10.890+/-13.377 χ^2/NDF: 143.9/83

- sign -68.435+/-19.203 χ^2/NDF: 58.7/42

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 119.291+/-0.032 χ^2/NDF: 1457629.7/19

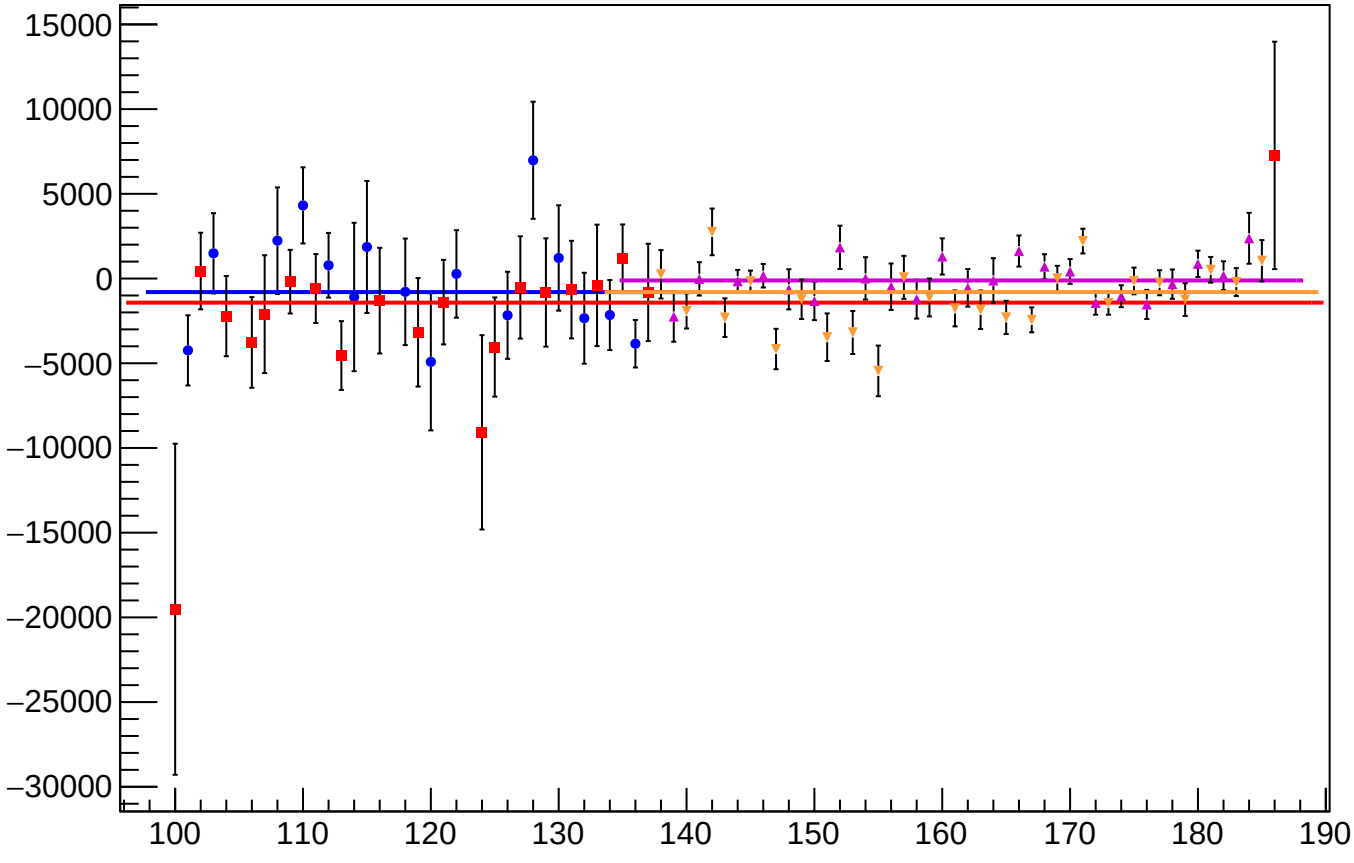
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 92.550+/-0.013 χ^2/NDF: 2761840.7/40

All: 93.210+/-0.009 χ^2/NDF: 6047390.9/83

- sign 93.909+/-0.014 χ^2/NDF: 3280396.0/42

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -1421.375+/-610.555 χ^2/NDF: 14.6/19

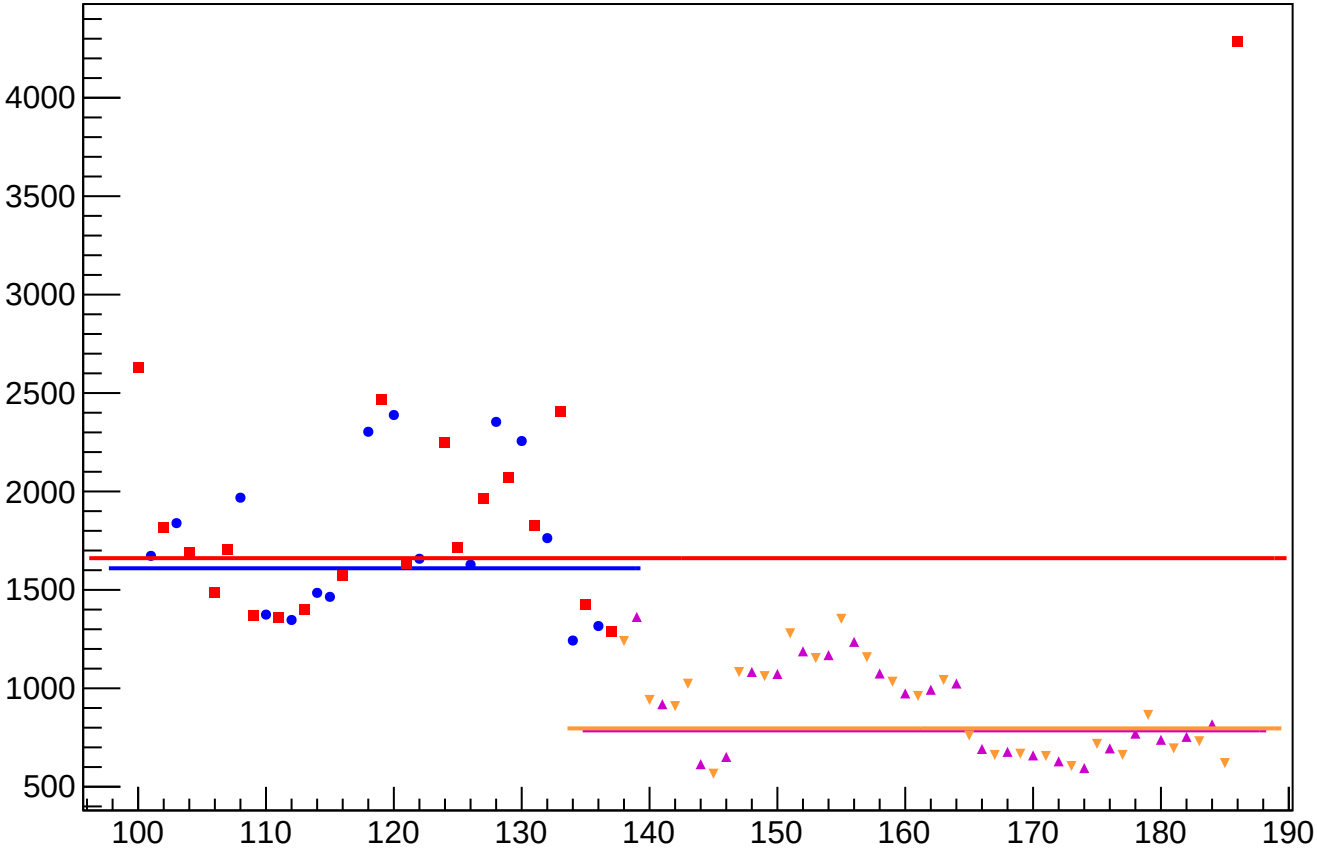
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -801.304+/-179.598 χ^2/NDF: 95.3/40

All: -518.084+/-127.715 χ^2/NDF: 146.2/83

- sign -228.345+/-181.653 χ^2/NDF: 45.9/42

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1661.138+/-0.432 χ^2/NDF: 828469.2/19

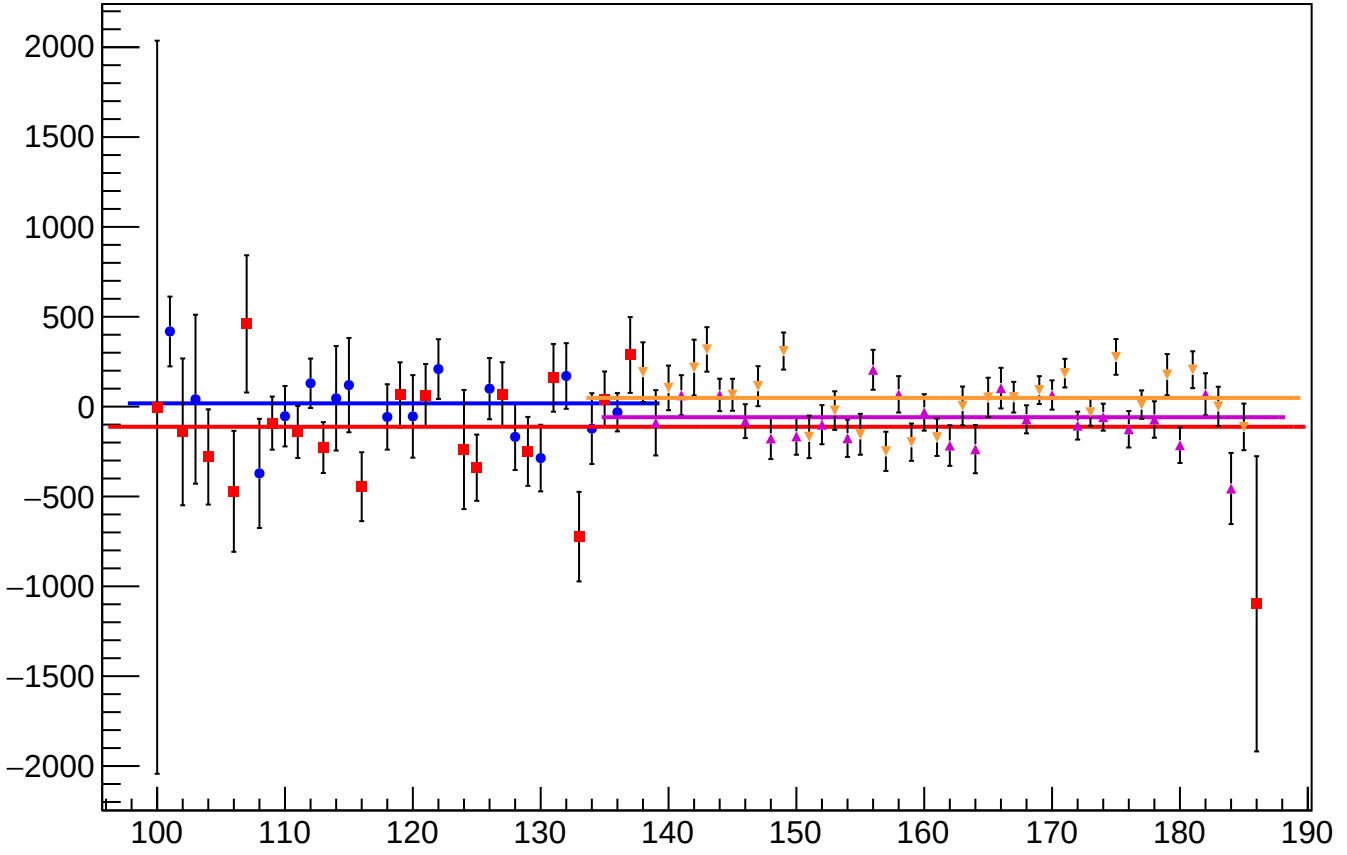
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 865.652+/-0.127 χ^2/NDF: 6226573.6/40

All: 864.723+/-0.090 χ^2/NDF: 12954118.0/83

- sign 863.772+/-0.128 χ^2/NDF: 6727436.1/42

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -112.216+/-45.757 χ^2/NDF: 26.8/19

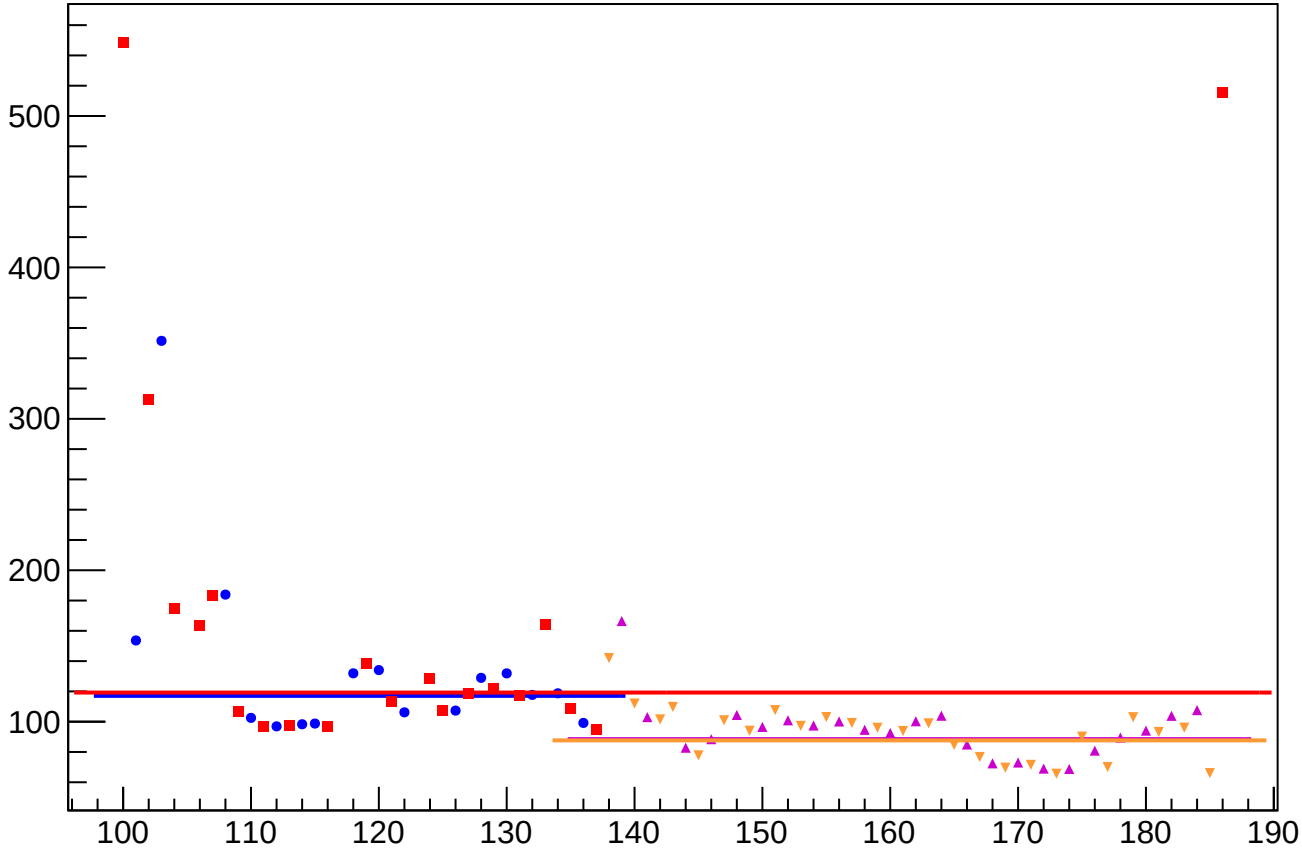
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 43.371+/-18.646 χ^2/NDF: 67.8/40

All: -10.864+/-13.377 χ^2/NDF: 143.8/83

- sign -68.386+/-19.203 χ^2/NDF: 58.6/42

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 119.239+/-0.032 χ^2/NDF: 1453557.0/19

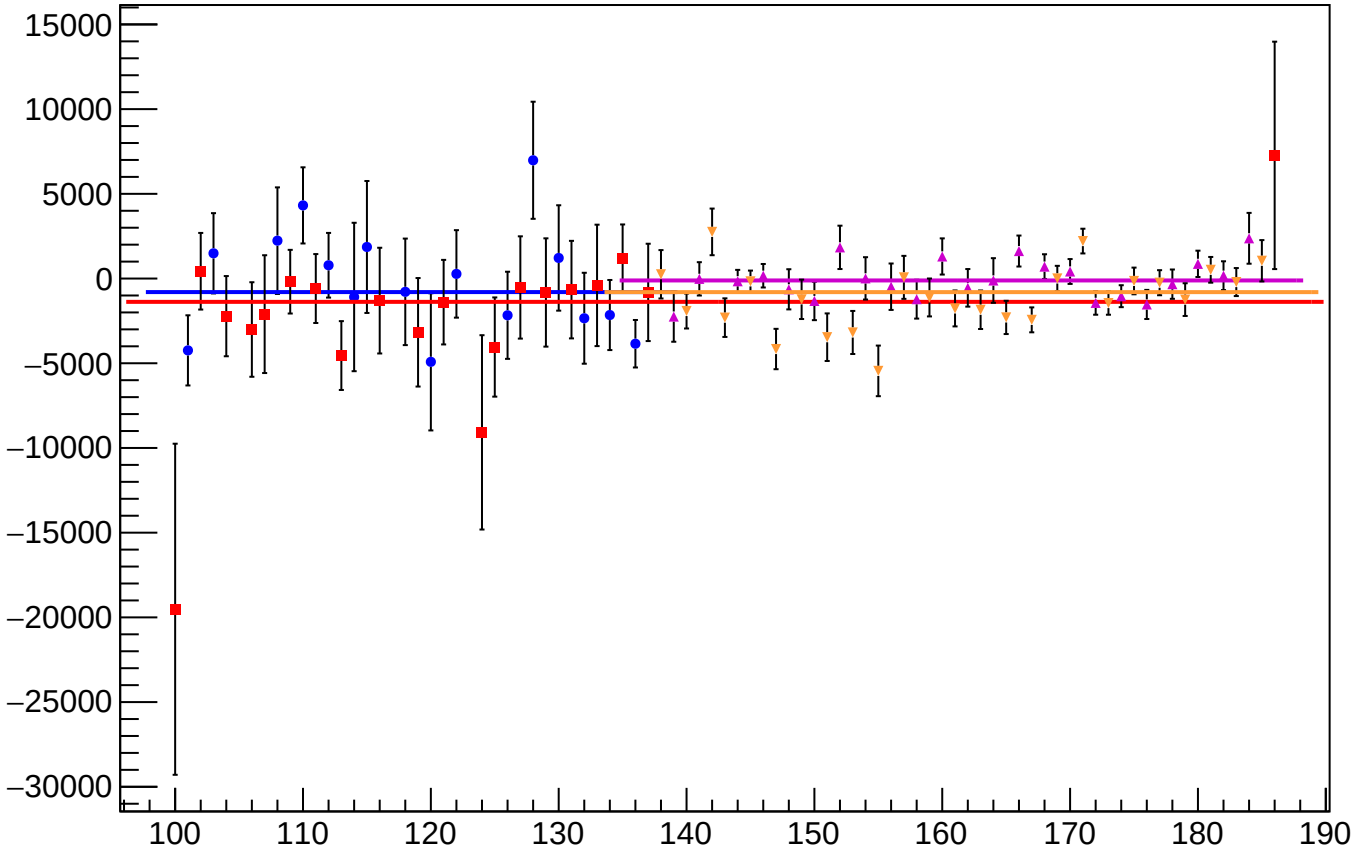
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 92.550+/-0.013 χ^2/NDF: 2761842.2/40

All: 93.205+/-0.009 χ^2/NDF: 6040672.6/83

- sign 93.900+/-0.014 χ^2/NDF: 3273749.1/42

asym_sam3_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1375.970+/-611.884 χ^2/NDF: 14.1/19

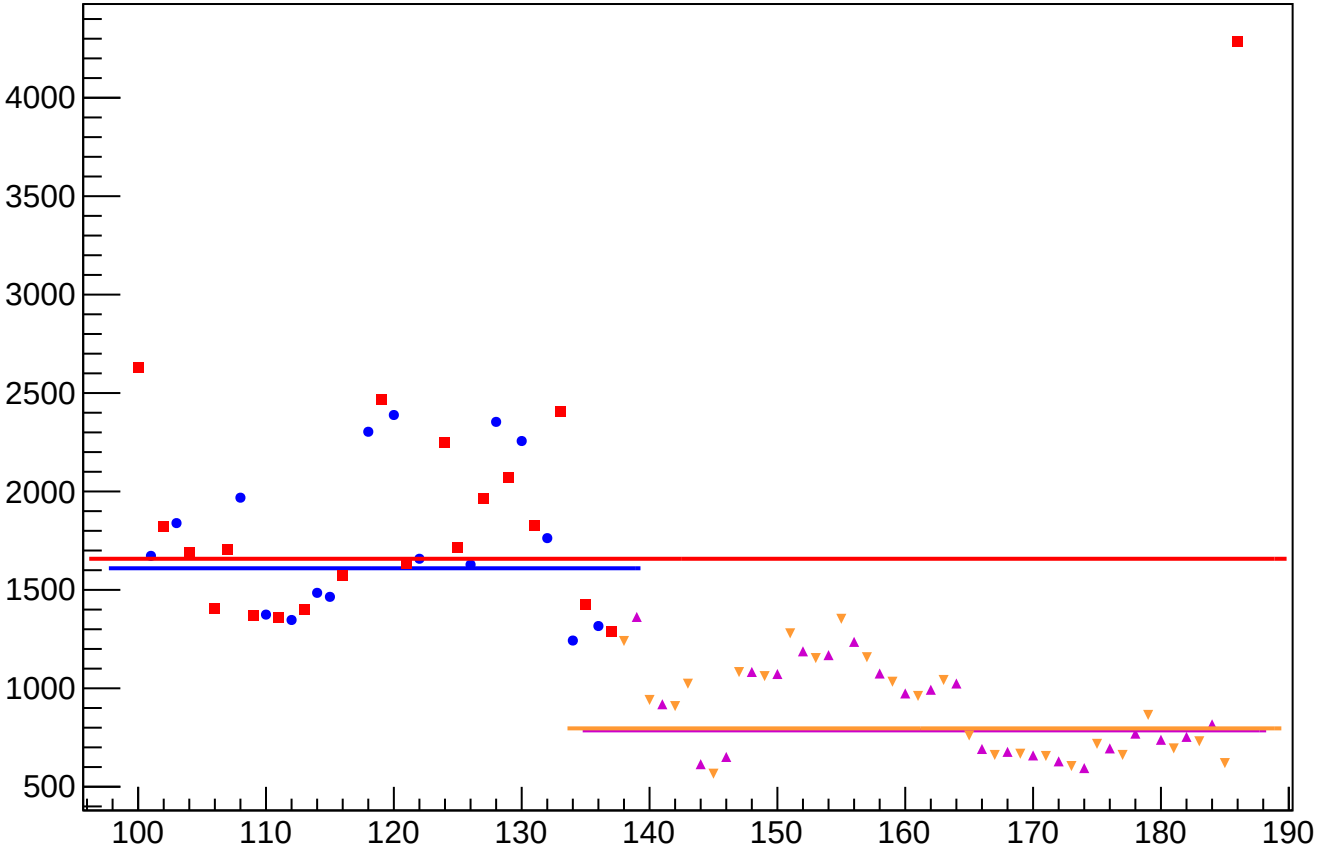
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.296+/-179.598 χ^2/NDF: 95.3/40

All: -515.930+/-127.728 χ^2/NDF: 145.5/83

- sign -223.885+/-181.688 χ^2/NDF: 45.1/42

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1658.065+/-0.433 χ^2/NDF: 836831.1/19

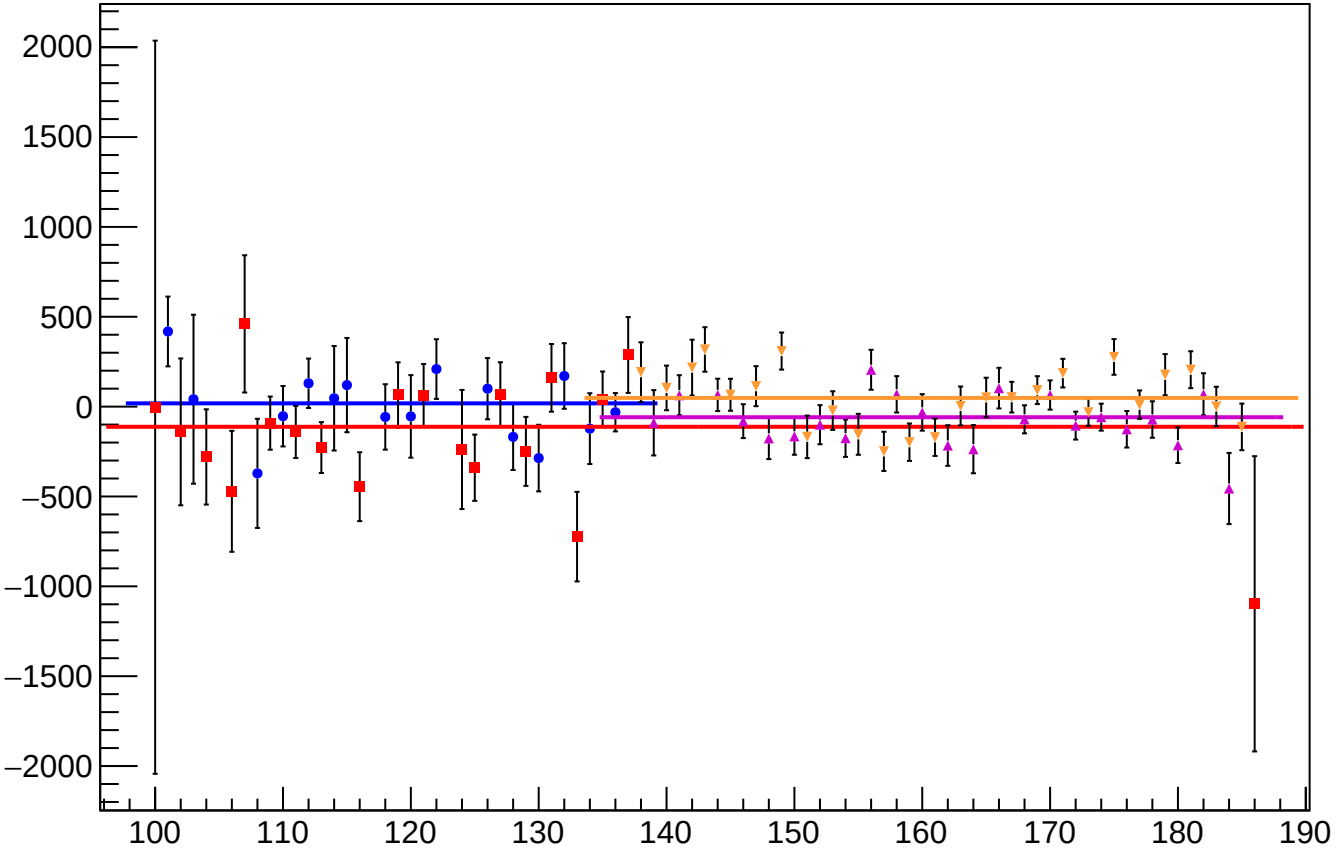
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 865.652+/-0.127 χ^2/NDF: 6226631.7/40

All: 864.438+/-0.090 χ^2/NDF: 12921658.2/83

- sign 863.195+/-0.128 χ^2/NDF: 6694841.5/42

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -112.216+/-45.757 χ^2/NDF: 26.8/19

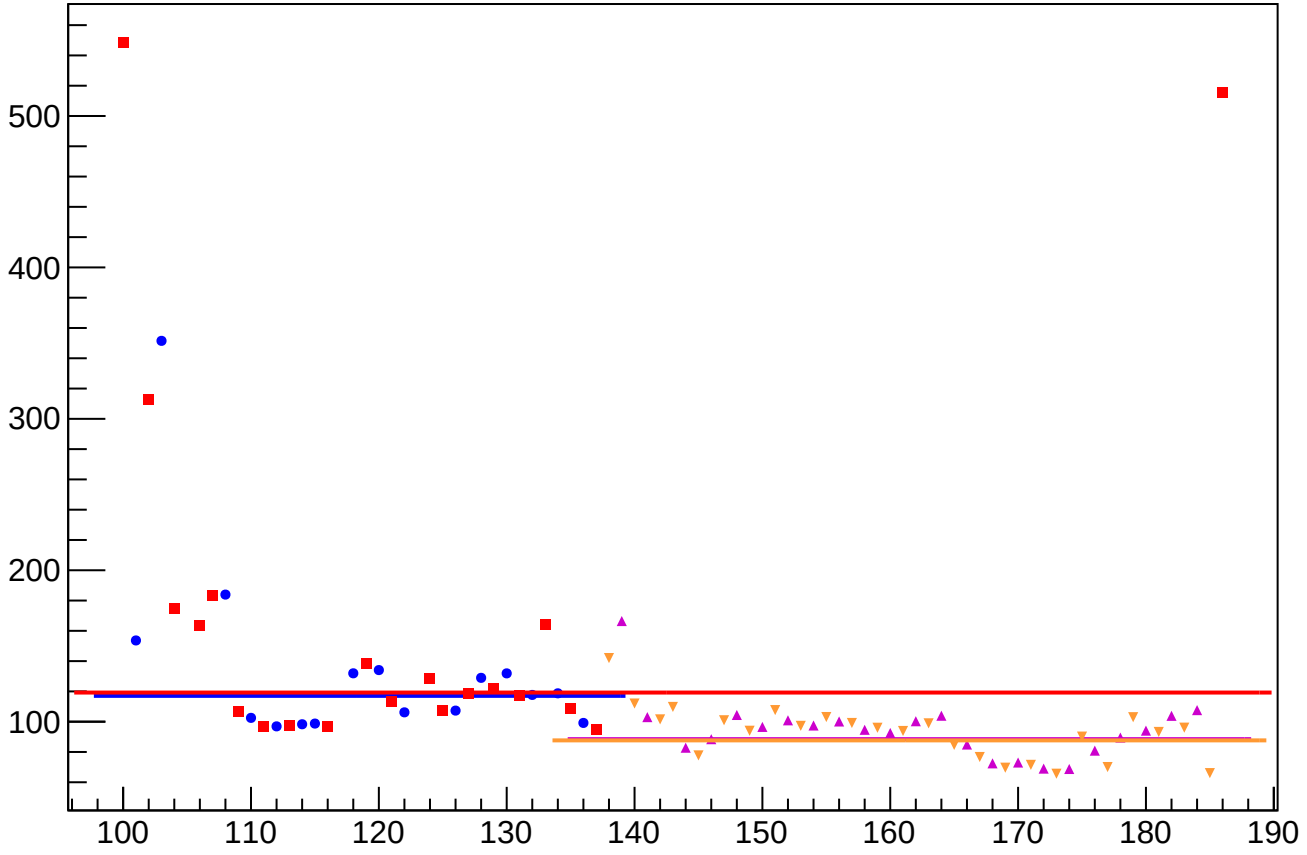
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 43.371+/-18.646 χ^2/NDF: 67.8/40

All: -10.864+/-13.377 χ^2/NDF: 143.8/83

- sign -68.386+/-19.203 χ^2/NDF: 58.6/42

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 119.239+/-0.032 χ^2/NDF: 1453557.0/19

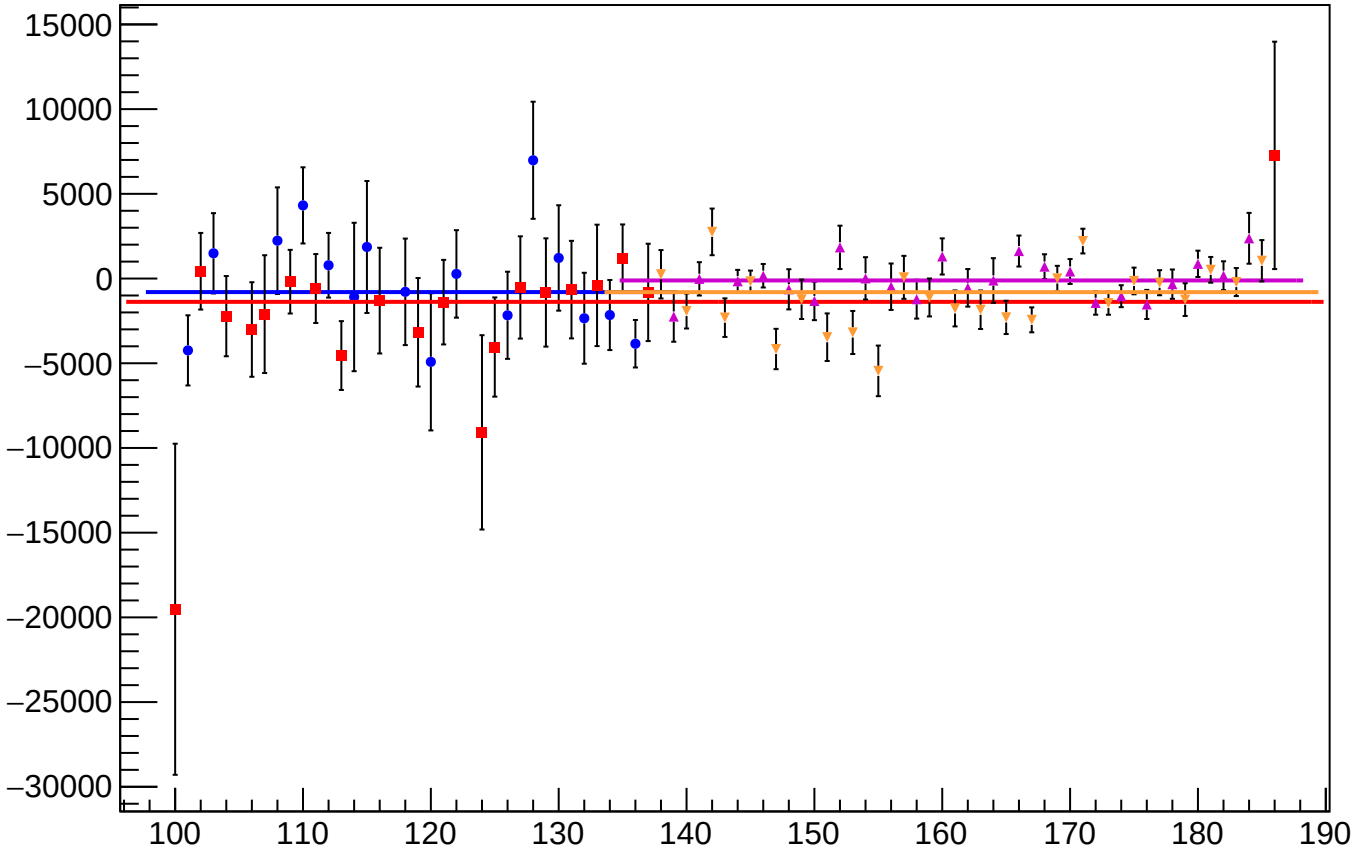
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 92.550+/-0.013 χ^2/NDF: 2761842.2/40

All: 93.205+/-0.009 χ^2/NDF: 6040672.6/83

- sign 93.900+/-0.014 χ^2/NDF: 3273749.1/42

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1375.970+/-611.884 χ^2/NDF: 14.1/19

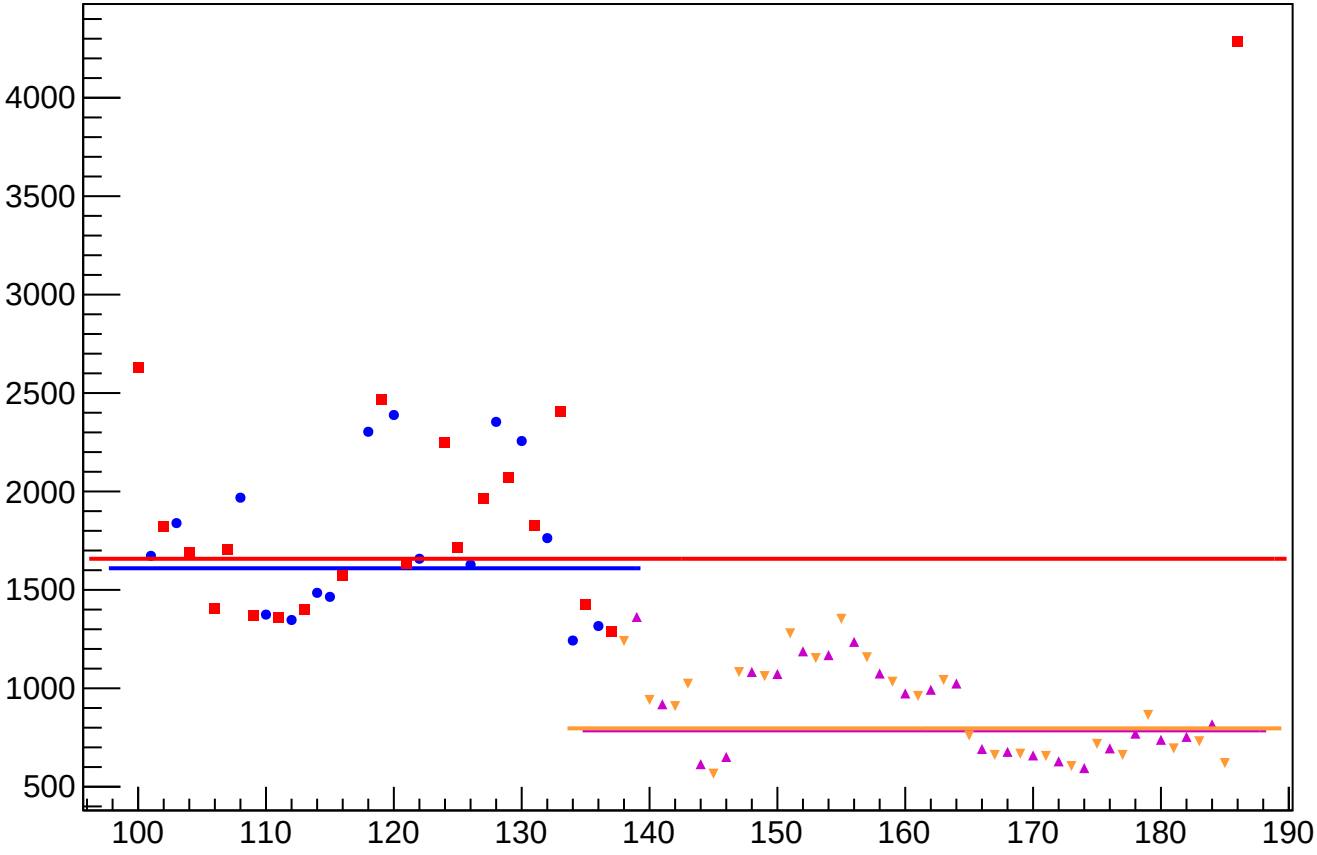
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.296+/-179.598 χ^2/NDF: 95.3/40

All: -515.930+/-127.728 χ^2/NDF: 145.5/83

- sign -223.885+/-181.688 χ^2/NDF: 45.1/42

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1658.065+/-0.433 χ^2/NDF: 836831.1/19

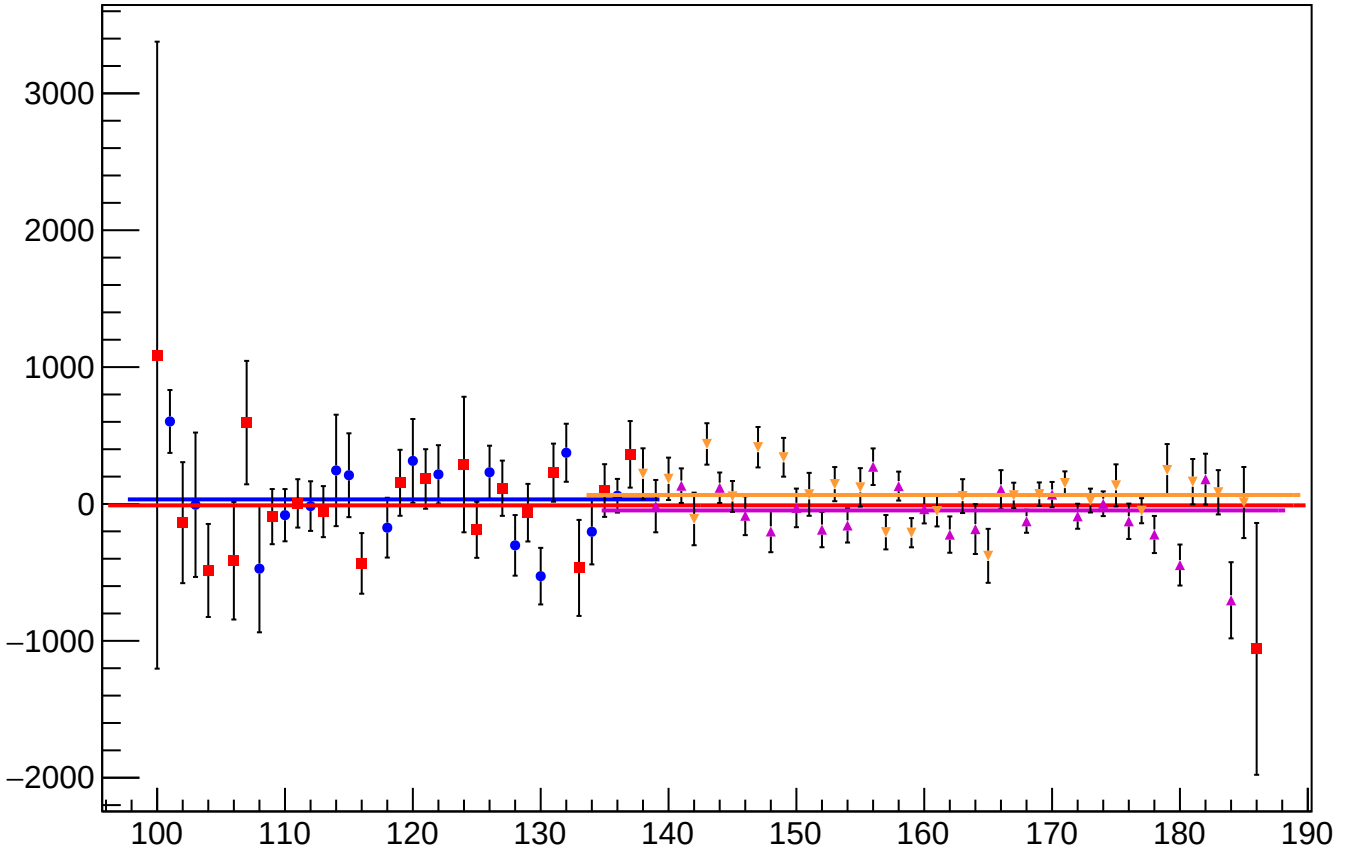
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 865.652+/-0.127 χ^2/NDF: 6226631.7/40

All: 864.438+/-0.090 χ^2/NDF: 12921658.2/83

- sign 863.195+/-0.128 χ^2/NDF: 6694841.5/42

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -10.005+/-55.986 χ^2/NDF: 18.6/19

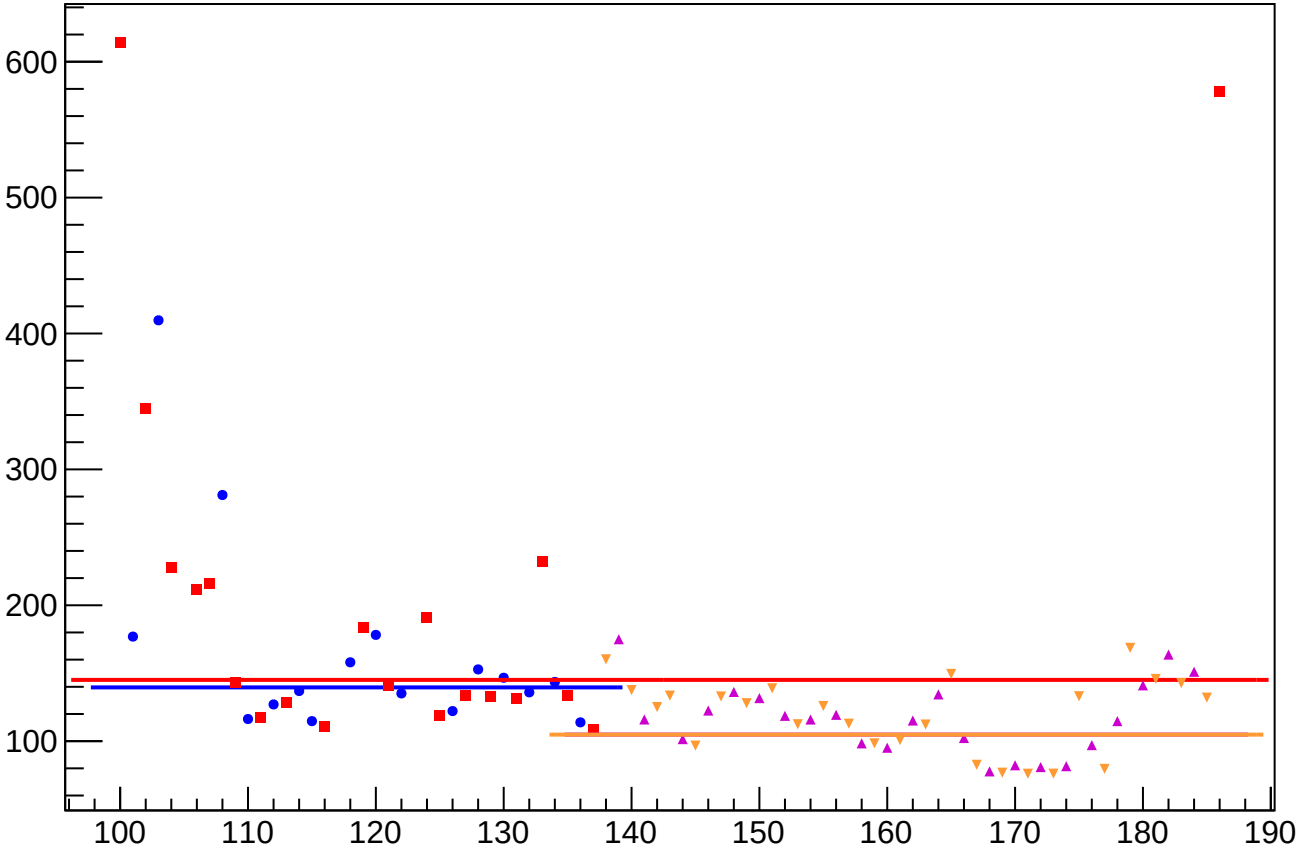
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 60.146+/-22.797 χ^2/NDF: 65.5/40

All: 10.990+/-16.313 χ^2/NDF: 132.6/83

- sign -40.595+/-23.354 χ^2/NDF: 57.6/42

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 145.090+/-0.040 χ^2/NDF: 1561764.8/19

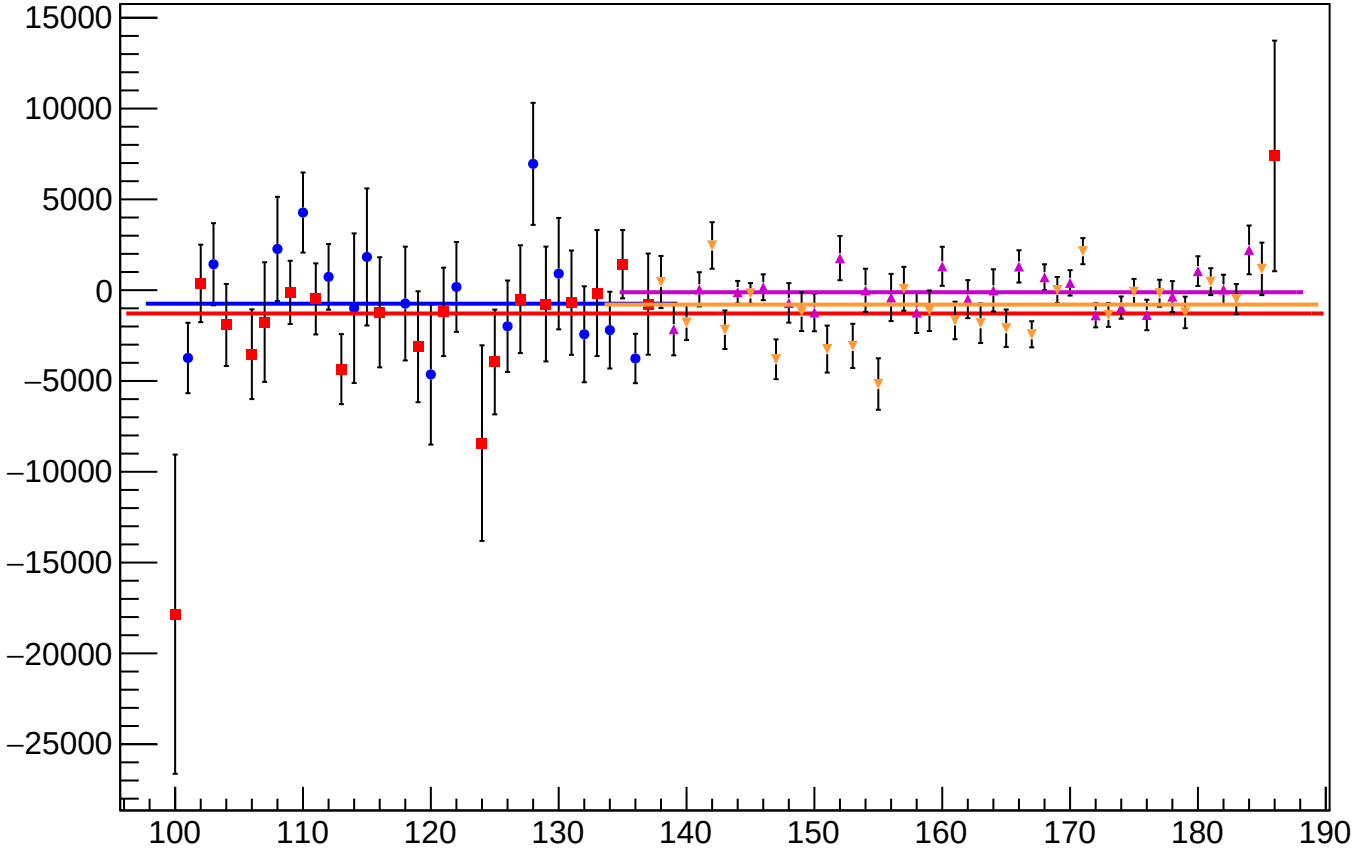
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 110.801+/-0.016 χ^2/NDF: 3882757.5/40

All: 111.308+/-0.012 χ^2/NDF: 7915081.7/83

- sign 111.839+/-0.017 χ^2/NDF: 4030302.9/42

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1283.992+/-583.329 χ^2/NDF: 15.4/19

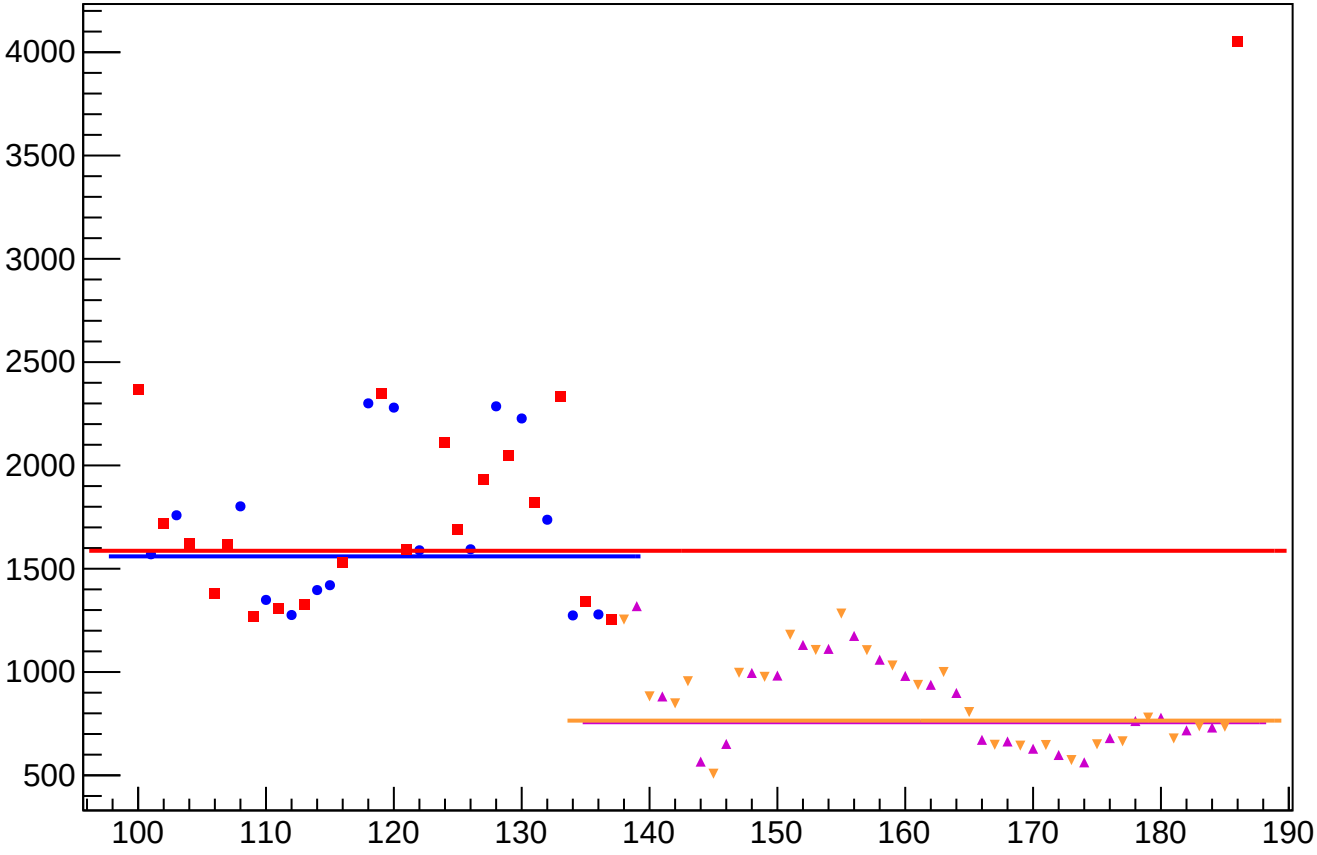
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -789.028+/-172.218 χ^2/NDF: 93.5/40

All: -507.960+/-122.651 χ^2/NDF: 144.3/83

- sign -218.671+/-174.718 χ^2/NDF: 45.4/42

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1586.799+/-0.412 χ^2/NDF: 867933.2/19

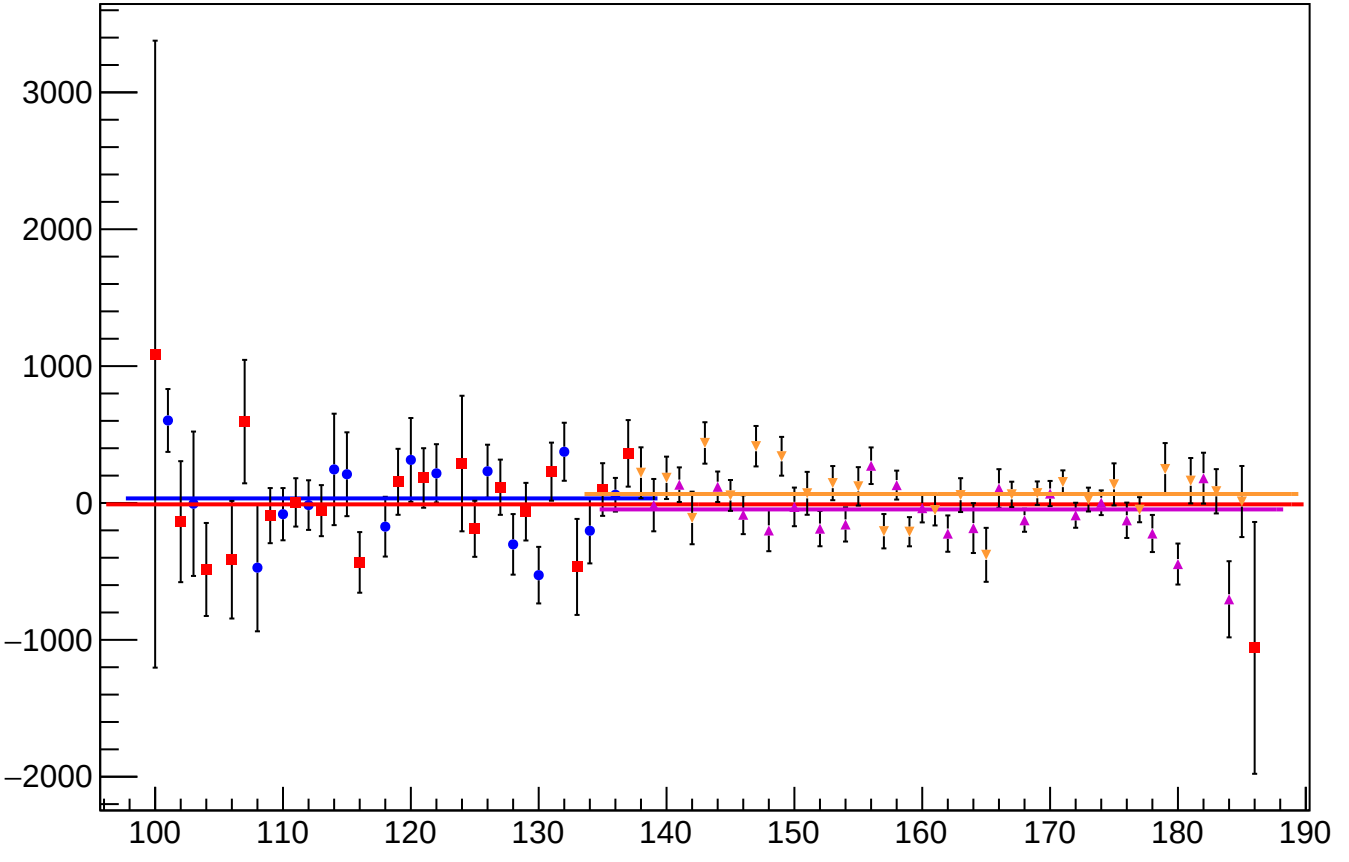
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 831.155+/-0.122 χ^2/NDF: 6293086.4/40

All: 831.264+/-0.087 χ^2/NDF: 12961018.3/83

- sign 831.376+/-0.124 χ^2/NDF: 6667930.2/42

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -10.001+/-55.986 χ^2/NDF: 18.6/19

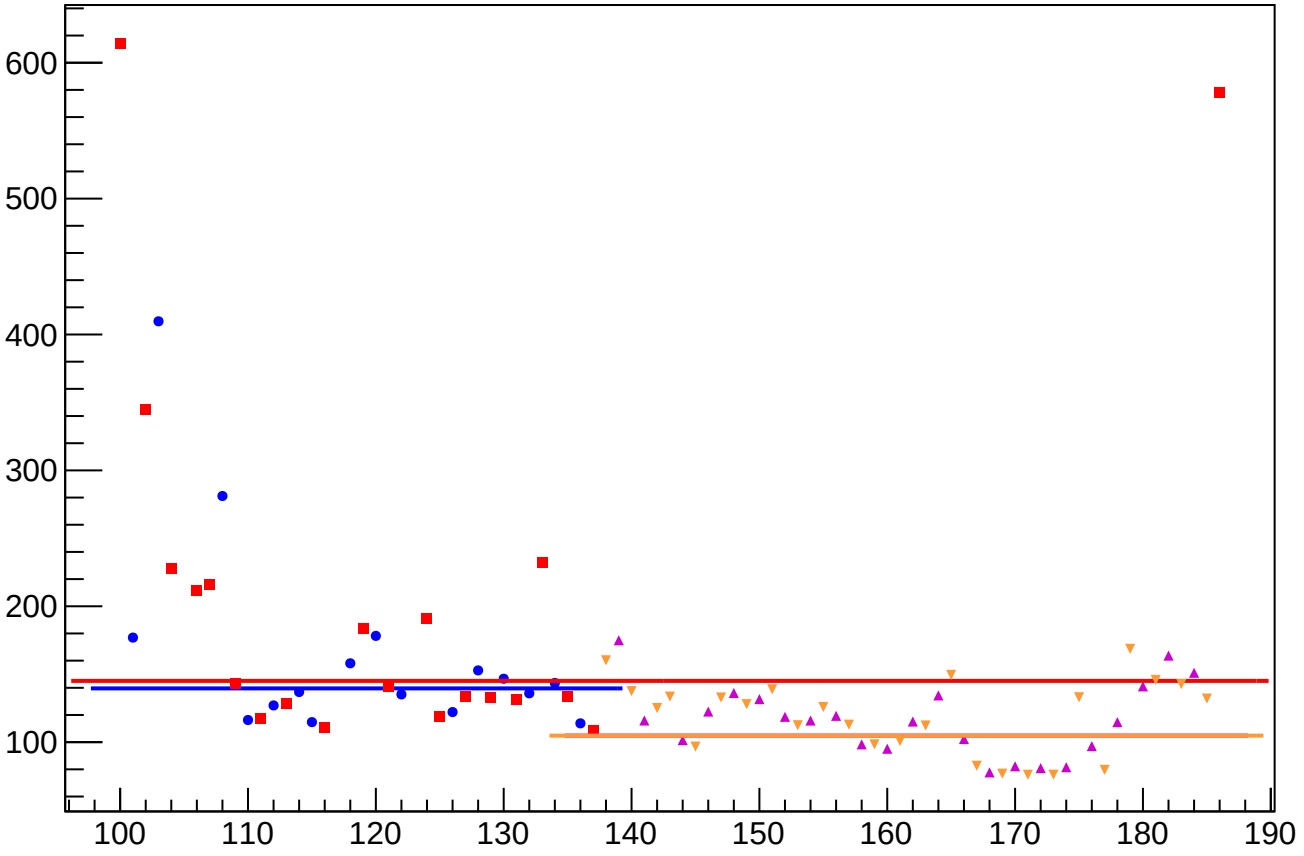
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 60.146+/-22.797 χ^2/NDF: 65.5/40

All: 10.991+/-16.313 χ^2/NDF: 132.6/83

- sign -40.593+/-23.354 χ^2/NDF: 57.6/42

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 145.090+/-0.040 χ^2/NDF: 1561771.1/19

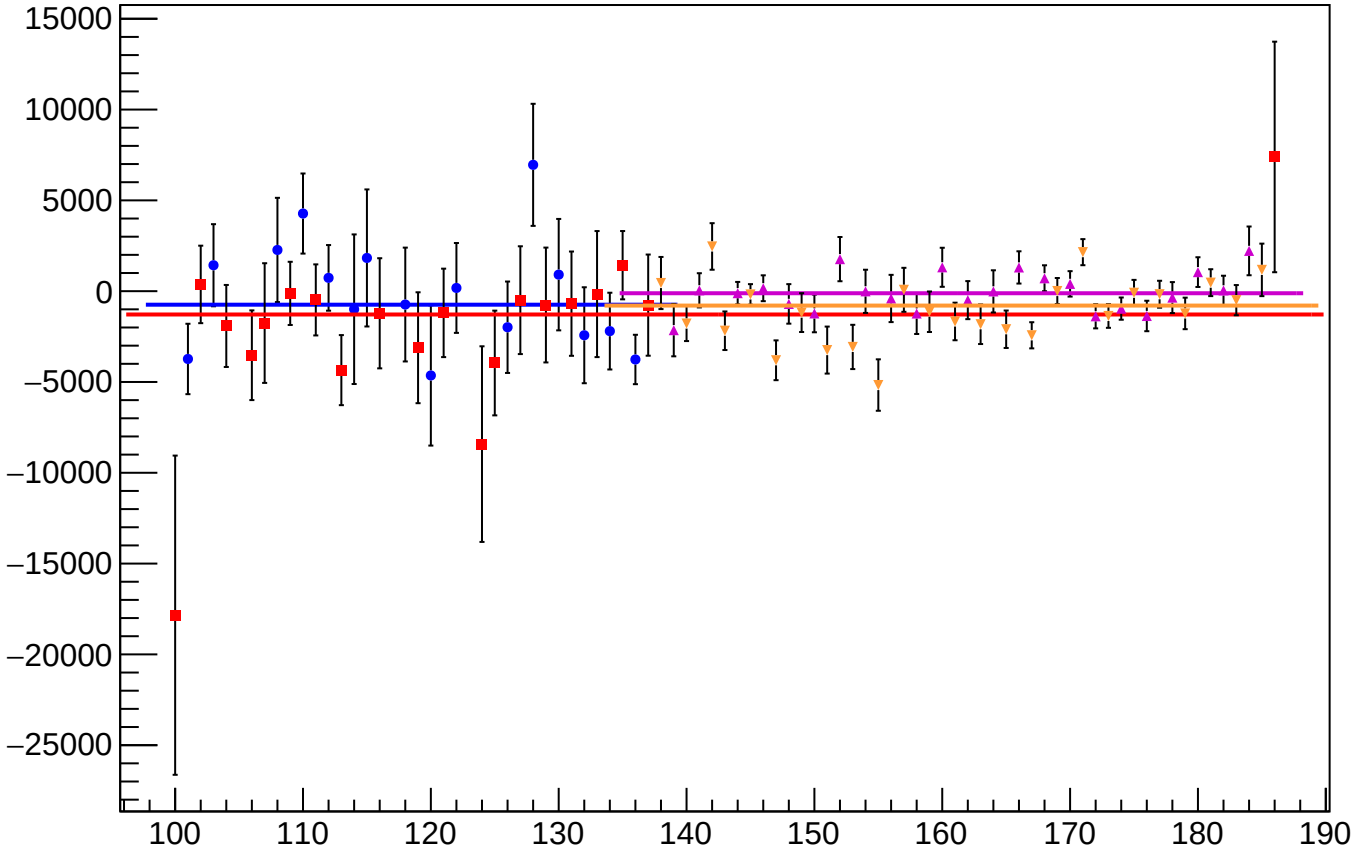
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 110.802+/-0.016 χ^2/NDF: 3882774.8/40

All: 111.308+/-0.012 χ^2/NDF: 7915115.3/83

- sign 111.839+/-0.017 χ^2/NDF: 4030319.1/42

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1283.992+/-583.329 χ^2/NDF: 15.4/19

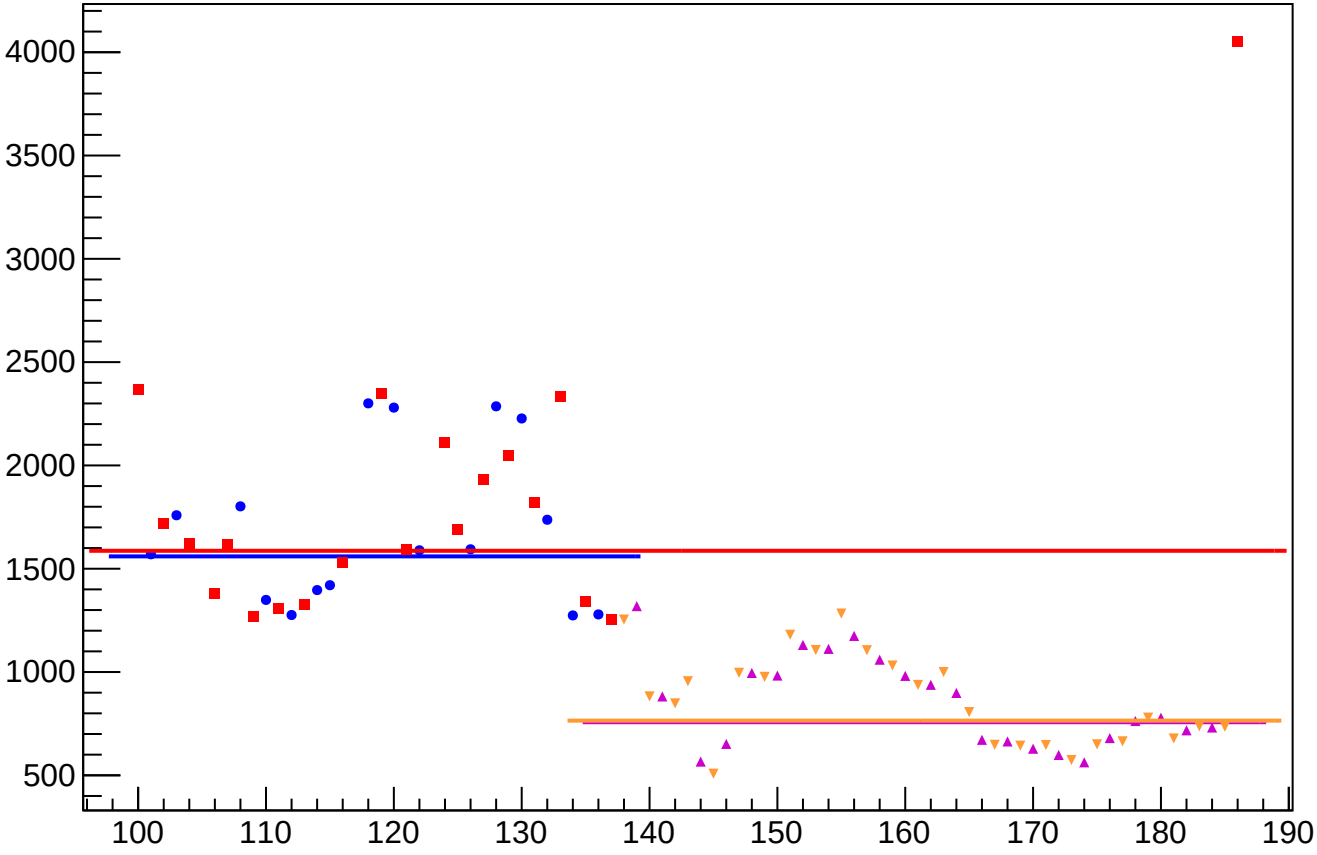
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -789.028+/-172.217 χ^2/NDF: 93.5/40

All: -507.960+/-122.651 χ^2/NDF: 144.3/83

- sign -218.671+/-174.718 χ^2/NDF: 45.4/42

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1586.797+/-0.412 χ^2/NDF: 867931.3/19

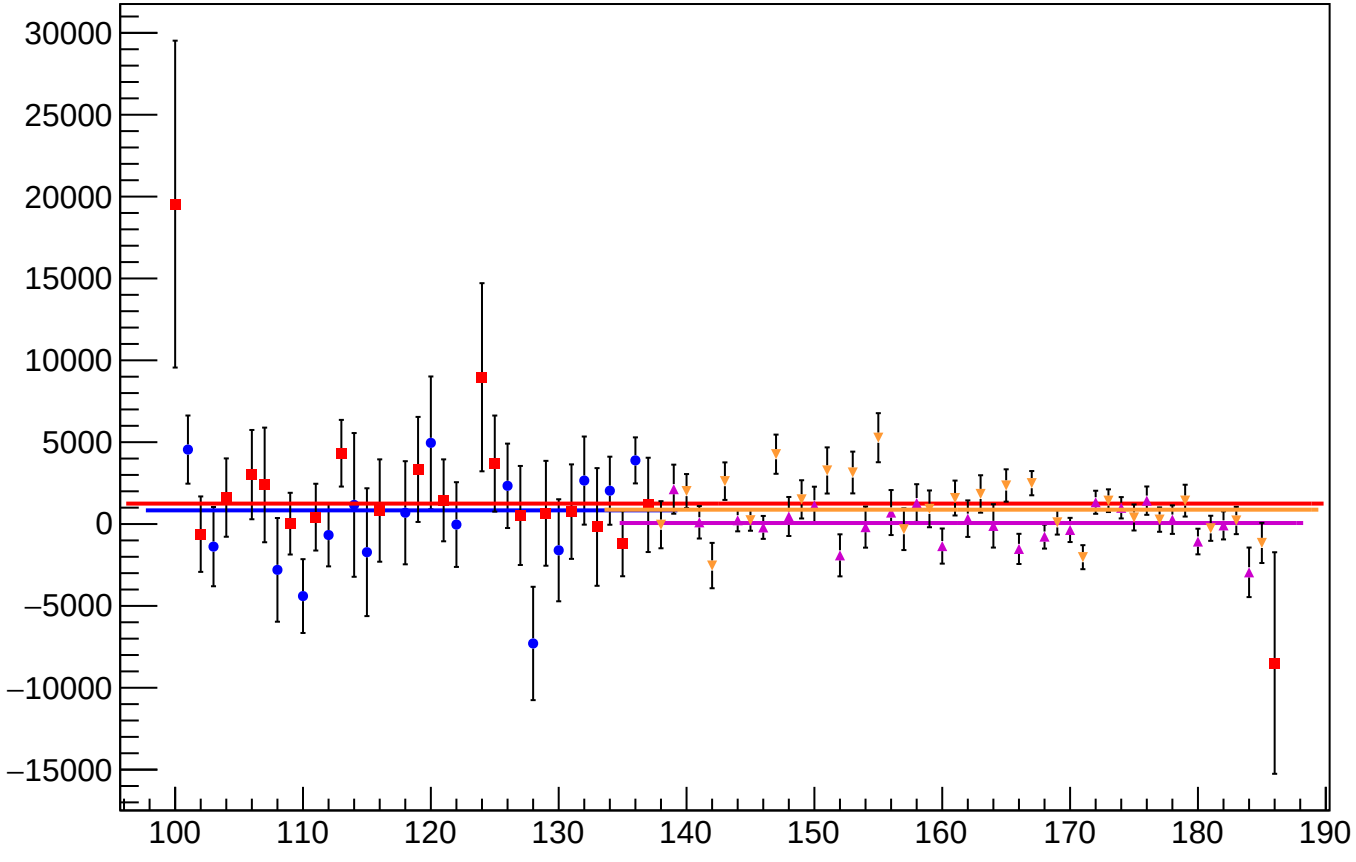
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

\+ sign 831.155+/-0.122 χ^2/NDF: 6293078.3/40

All: 831.263+/-0.087 χ^2/NDF: 12960999.5/83

\- sign 831.375+/-0.124 χ^2/NDF: 6667919.6/42

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1248.706+/-613.885 χ^2/NDF: 14.2/19

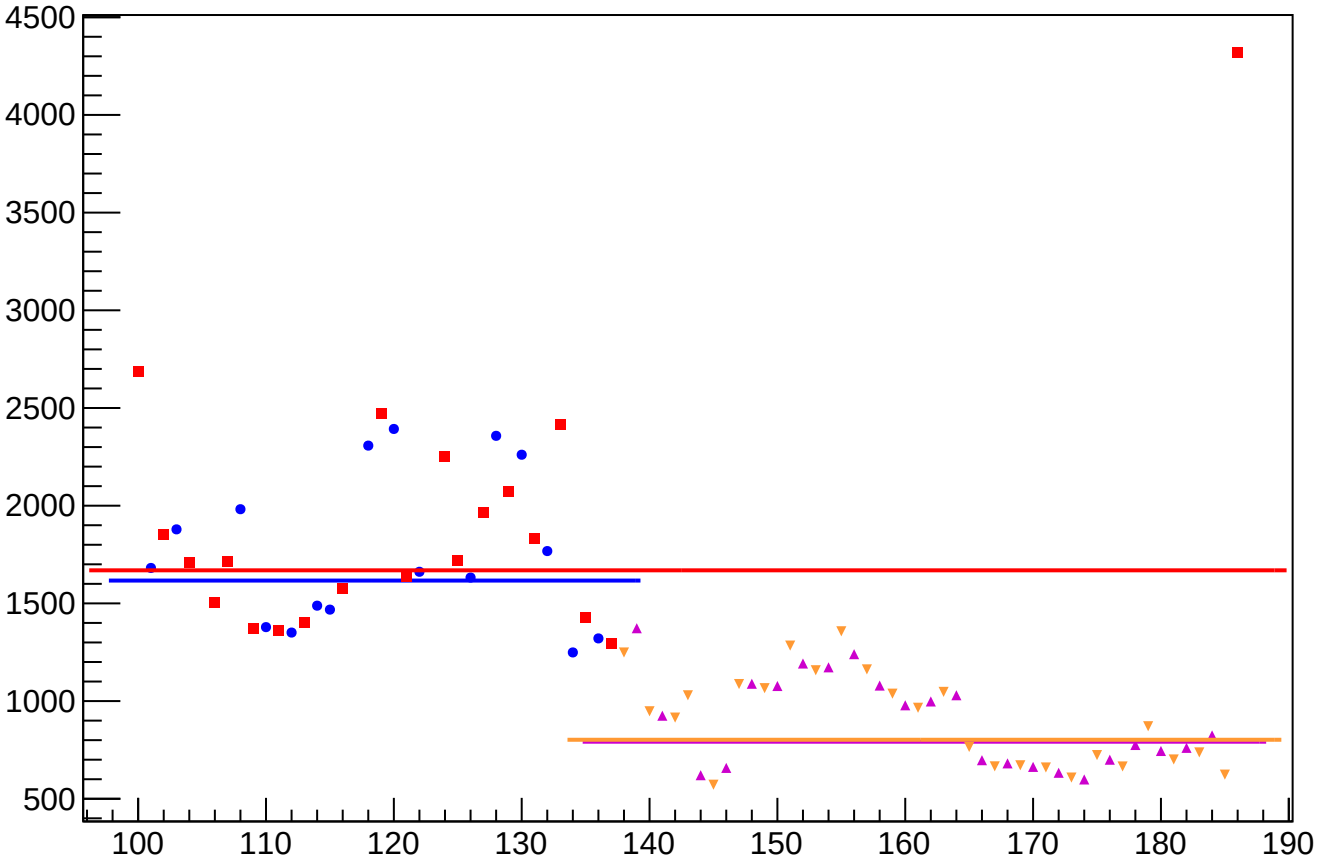
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 872.985+/-180.755 χ^2/NDF: 92.2/40

All: 524.653+/-128.563 χ^2/NDF: 144.4/83

- sign 168.023+/-182.895 χ^2/NDF: 44.7/42

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

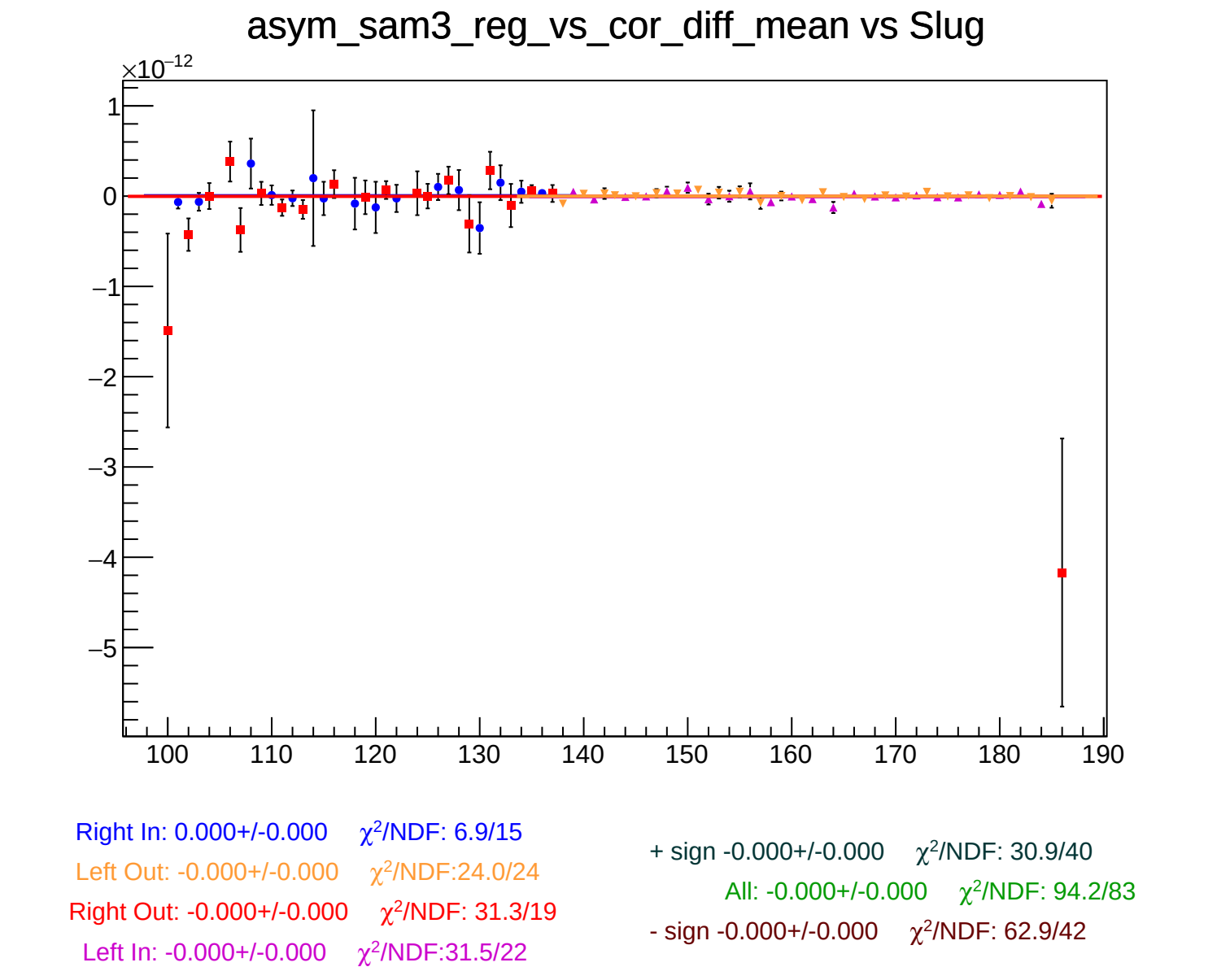
Right Out: 1669.222+/-0.434 χ^2/NDF: 833155.1/19

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

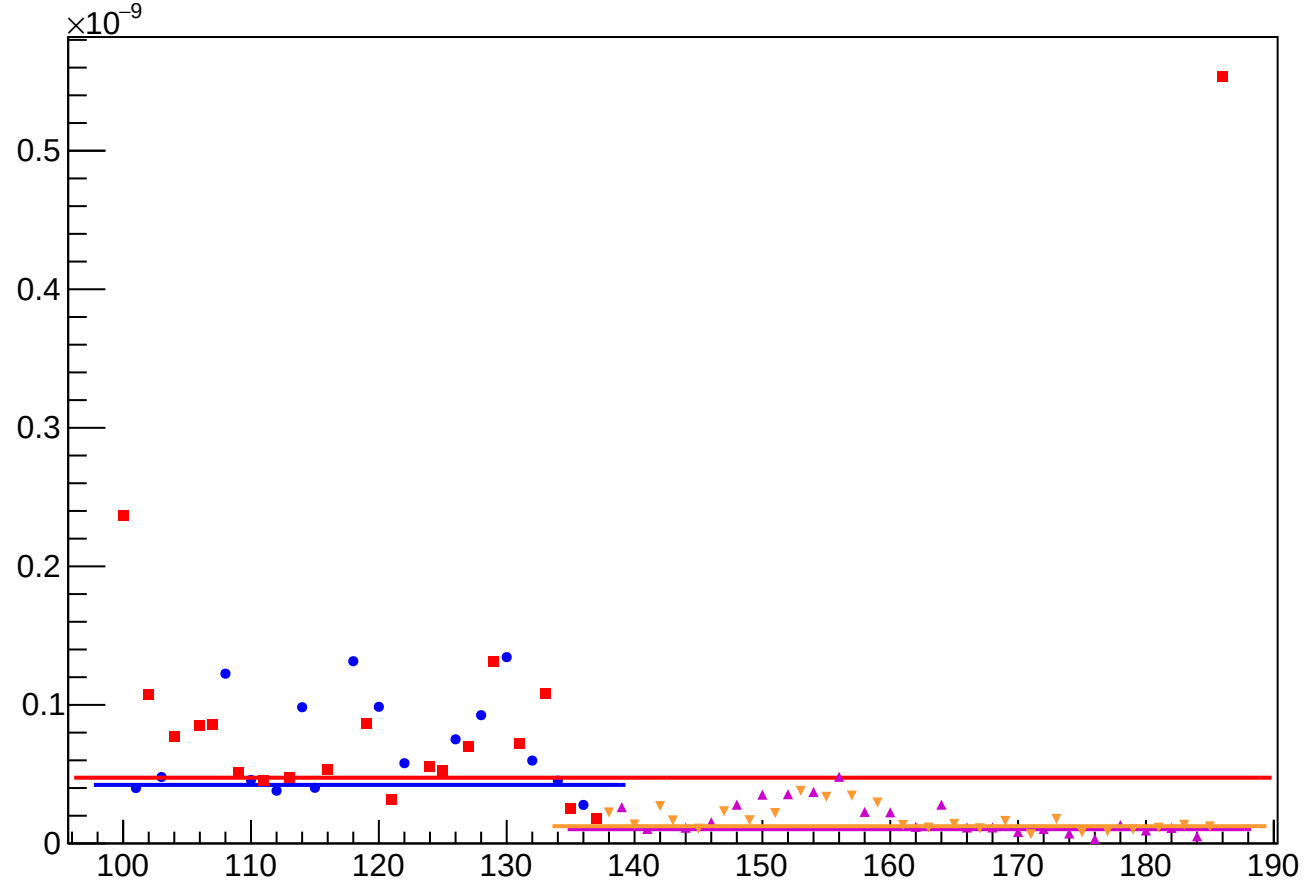
+ sign 871.541+/-0.128 χ^2/NDF: 6190141.7/40

All: 870.740+/-0.091 χ^2/NDF: 12879836.6/83

- 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: 6.9/15
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: 30.9/40
All: -0.000+/-0.000 χ²/NDF: 94.2/83
- sign -0.000+/-0.000 χ²/NDF: 62.9/42

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1643063.5/19

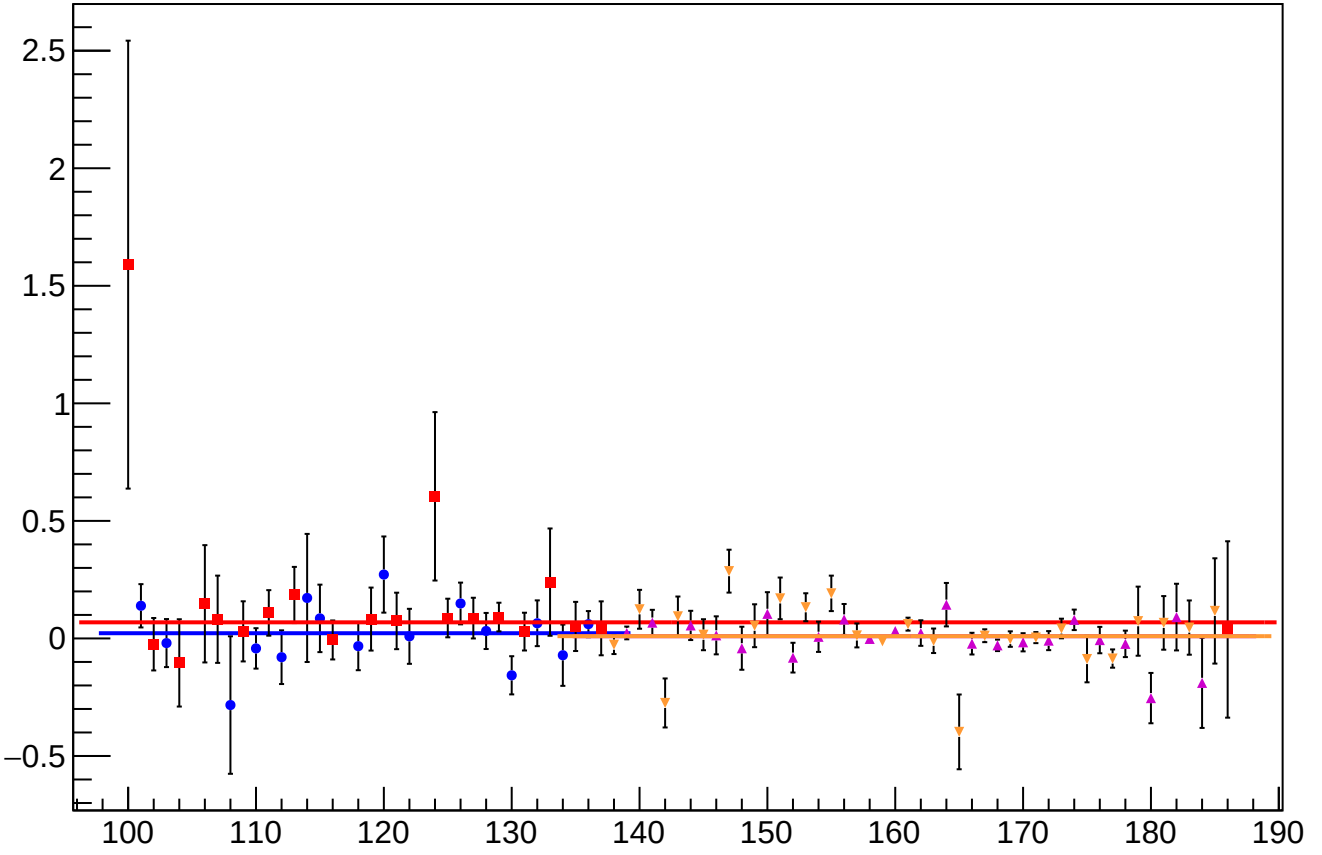
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5660589.7/40

All: 0.000+/-0.000 χ^2/NDF: 14116335.5/83

- sign 0.000+/-0.000 χ^2/NDF: 8251654.4/42

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.068+/-0.025 χ^2/NDF: 9.6/19

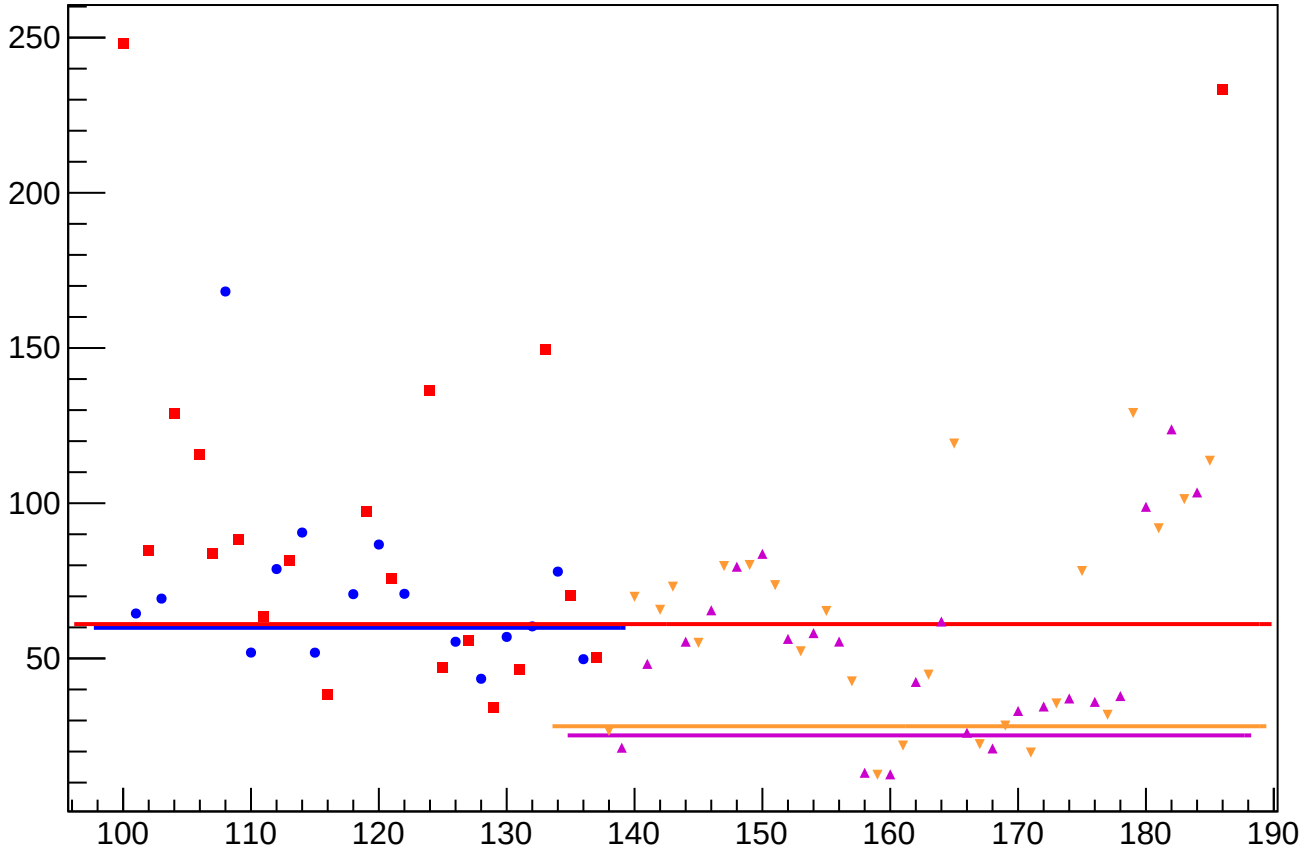
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 70.4/40

All: 0.013+/-0.005 χ^2/NDF: 110.3/83

- sign 0.015+/-0.008 χ^2/NDF: 39.8/42

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 61.060+/-0.018 χ^2/NDF: 2401322.0/19

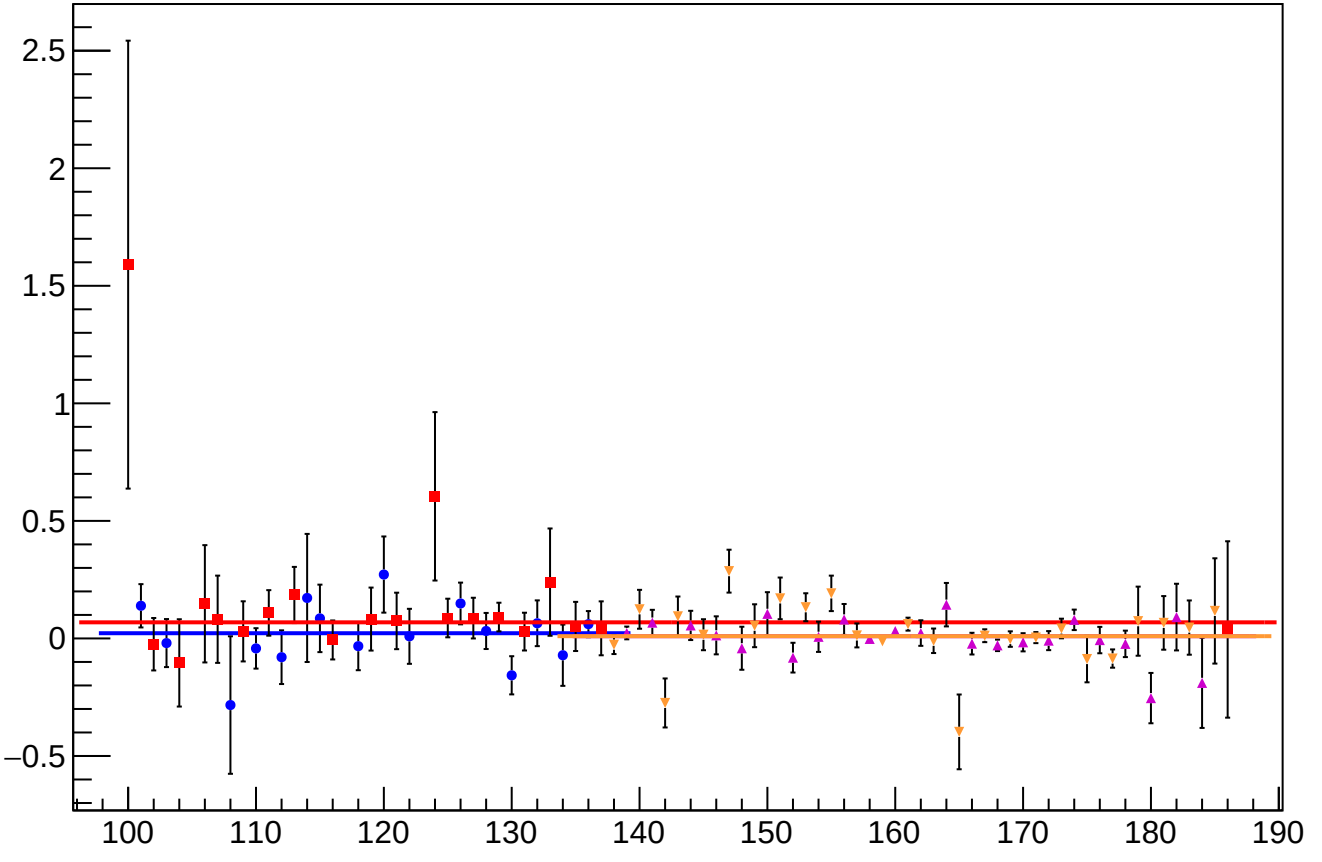
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 31.486+/-0.006 χ^2/NDF: 14726755.1/40

All: 29.870+/-0.004 χ^2/NDF: 30925566.5/83

- sign 28.427+/-0.005 χ^2/NDF: 16044380.1/42

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.068+/-0.025 χ^2/NDF: 9.6/19

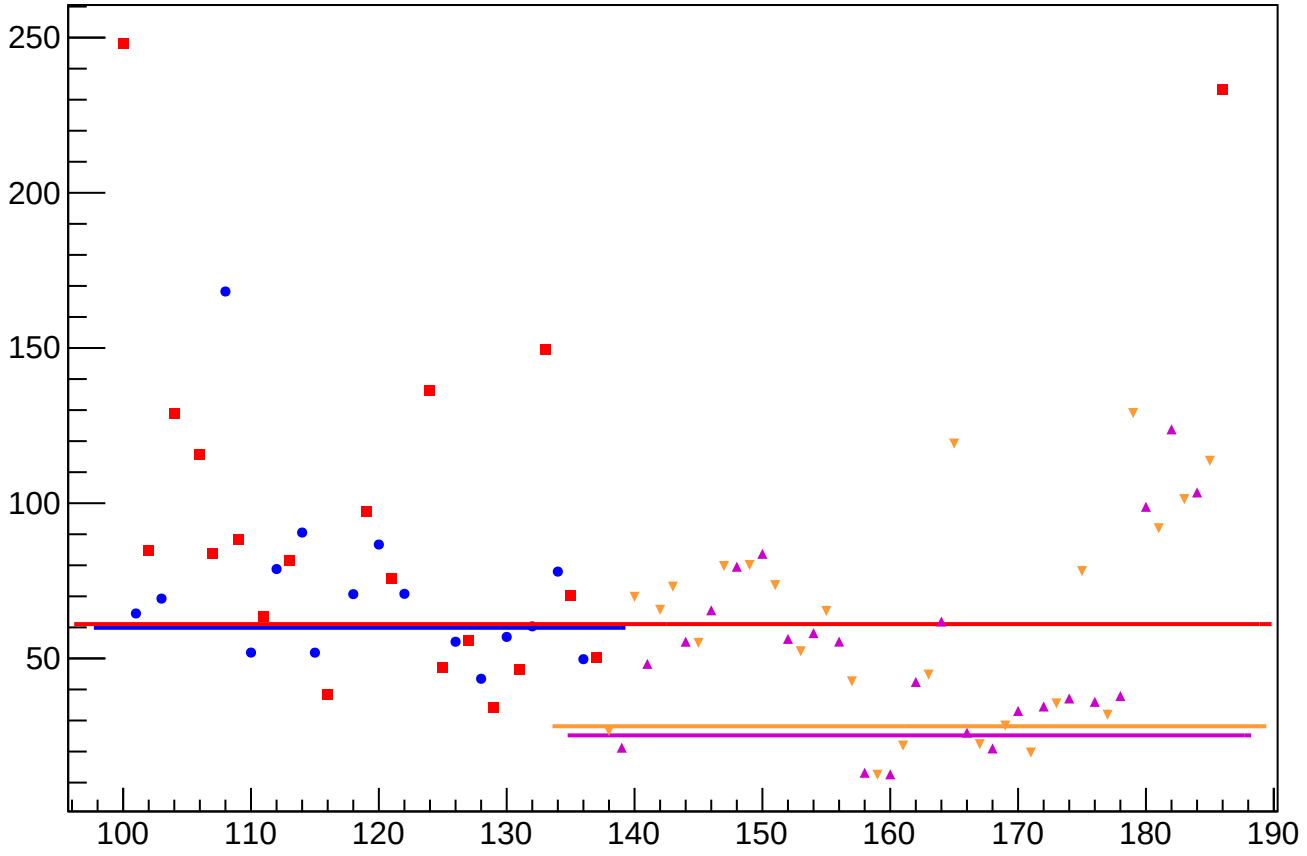
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 70.4/40

All: 0.013+/-0.005 χ^2/NDF: 110.3/83

- sign 0.015+/-0.008 χ^2/NDF: 39.8/42

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 61.060+/-0.018 χ^2/NDF: 2401322.0/19

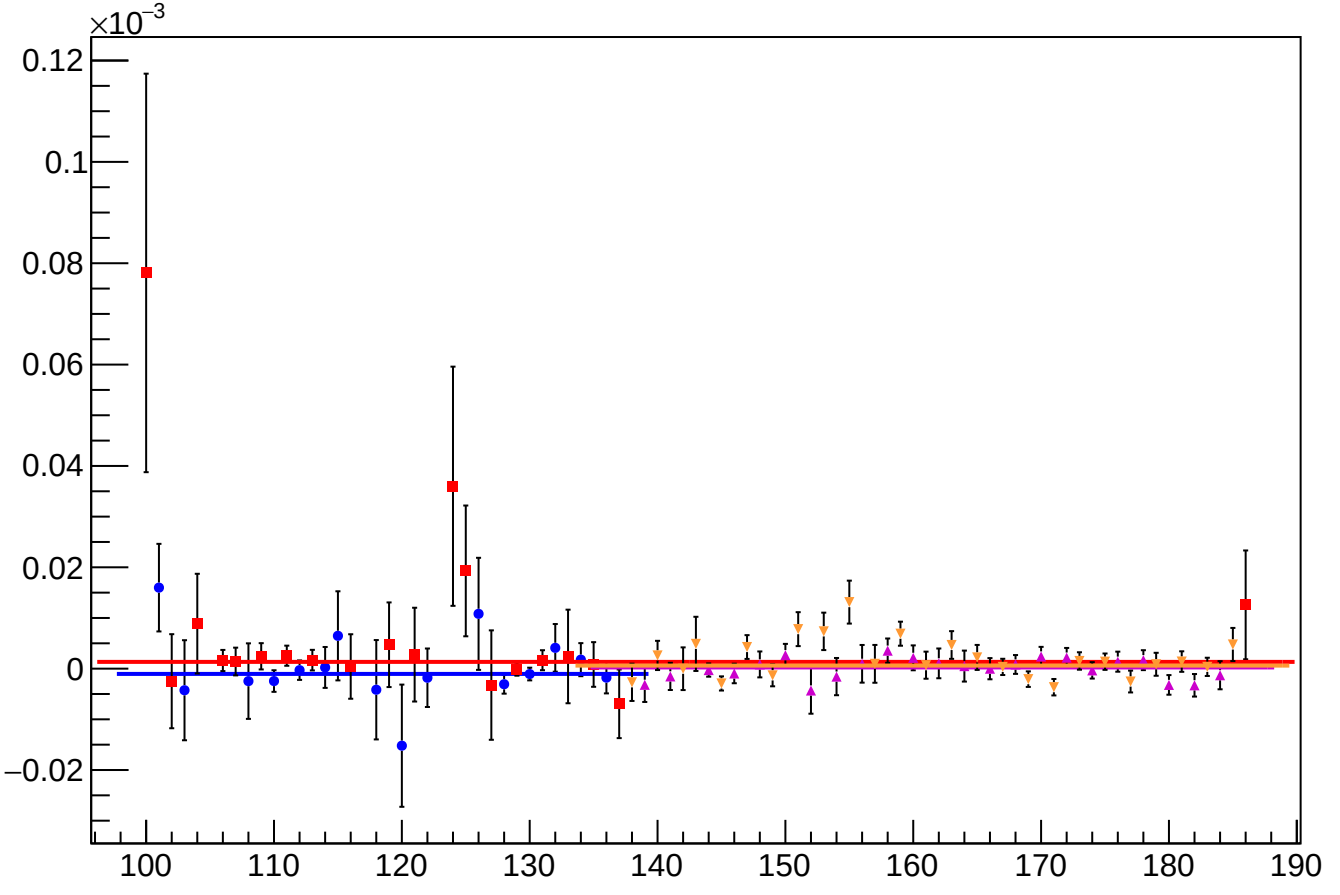
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 31.486+/-0.006 χ^2/NDF: 14726755.1/40

All: 29.870+/-0.004 χ^2/NDF: 30925566.5/83

- 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: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.6/19

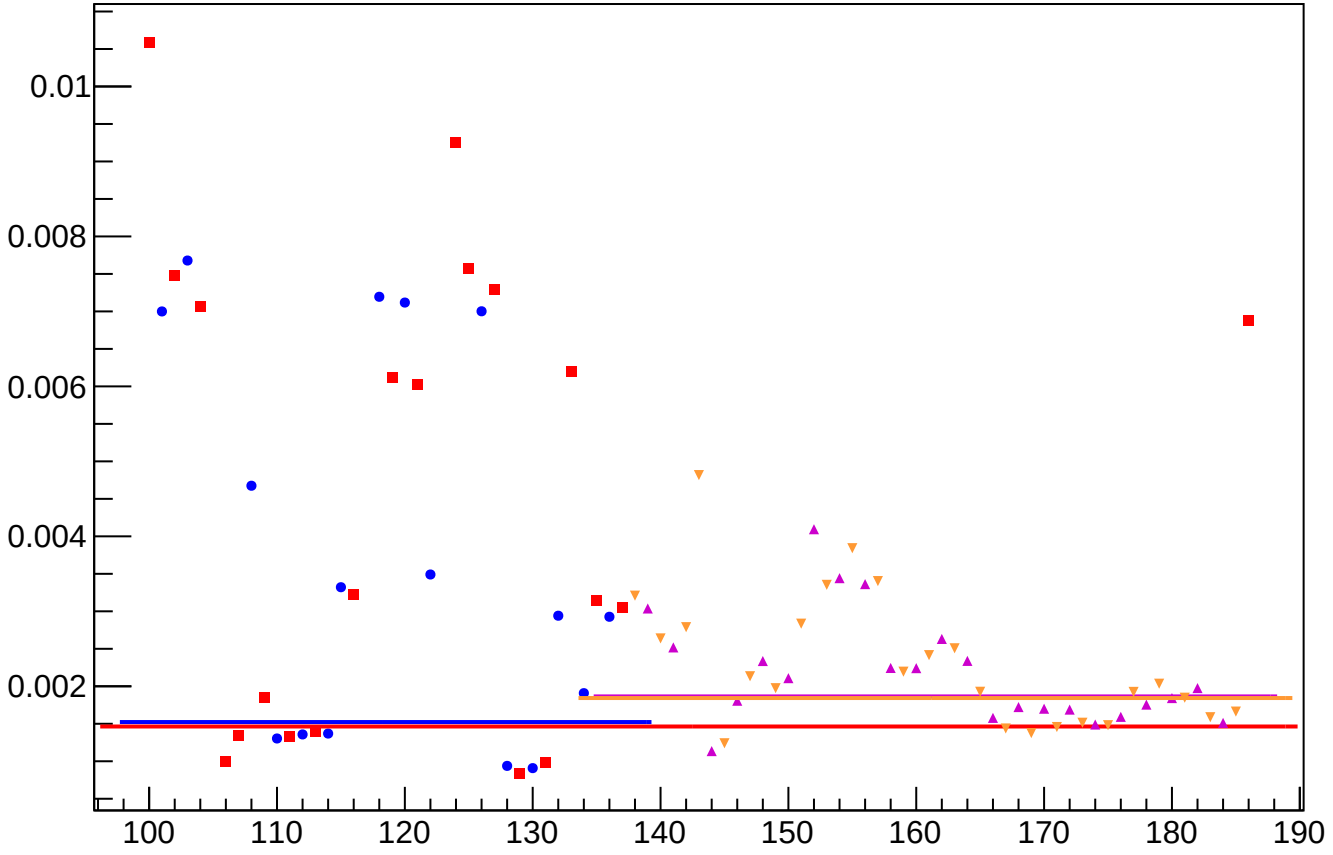
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.2/40

All: 0.000+/-0.000 χ^2/NDF: 99.6/83

- 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: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6299963.4/19

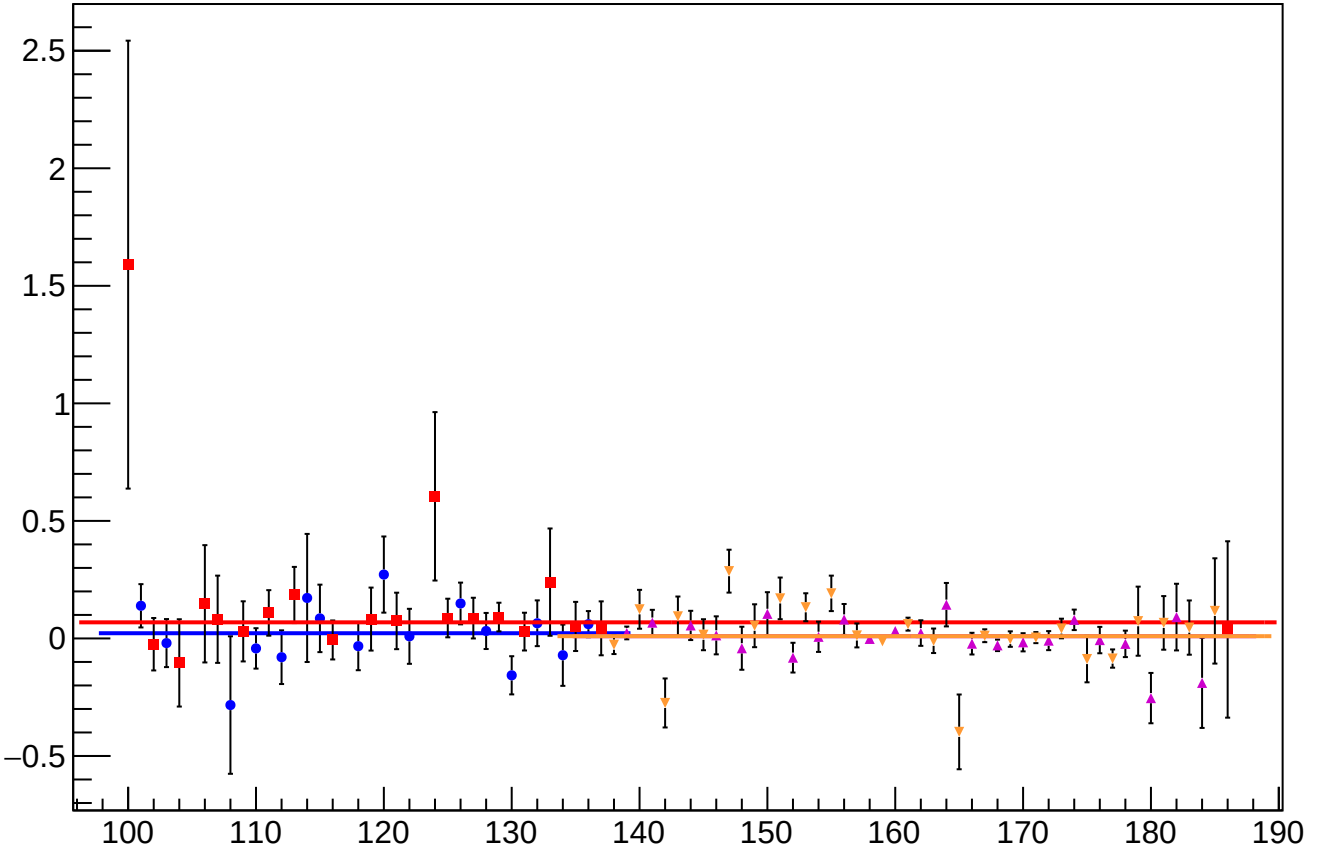
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 9242266.1/40

All: 0.002+/-0.000 χ^2/NDF: 18800129.8/83

- sign 0.002+/-0.000 χ^2/NDF: 9556454.4/42

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/19

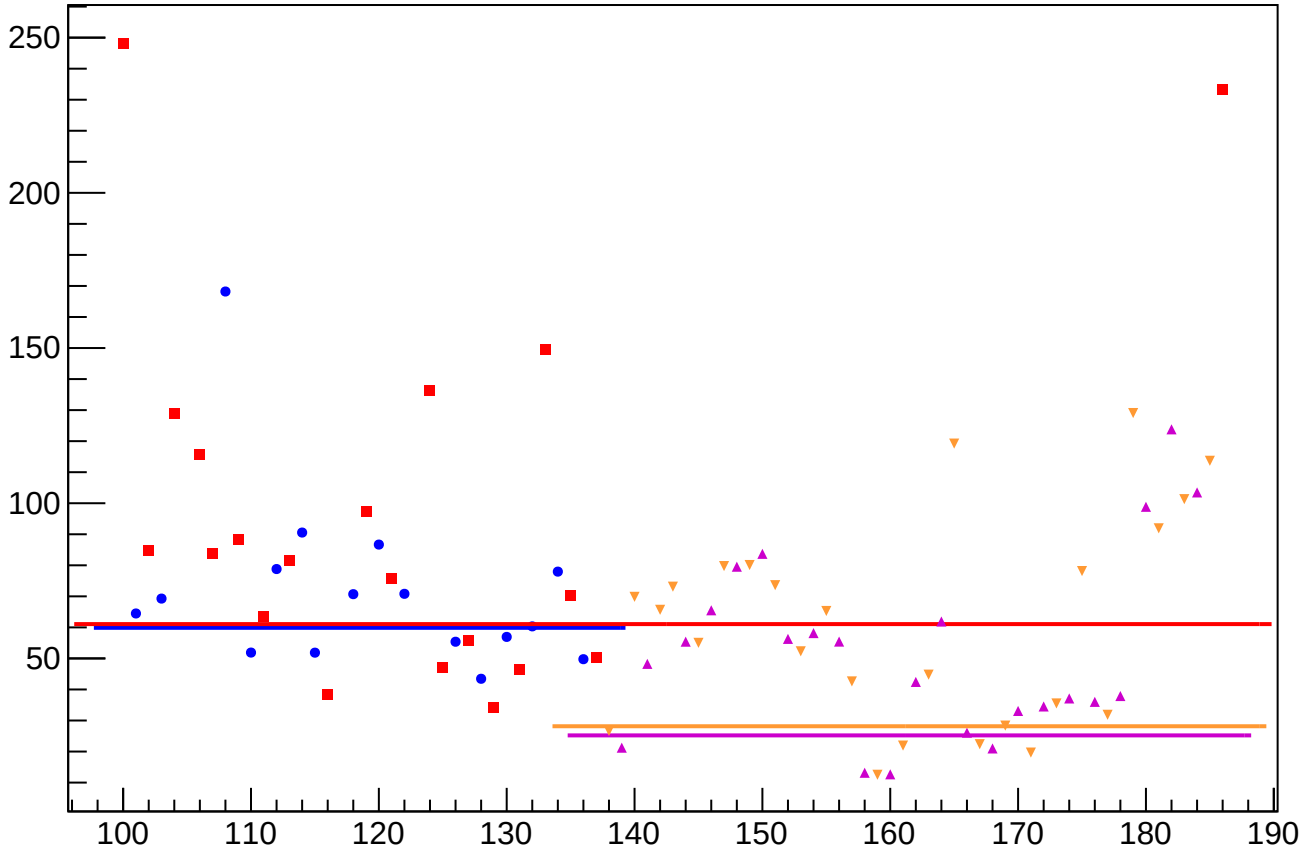
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 70.4/40

All: 0.013+/-0.005 χ^2/NDF: 110.3/83

- sign 0.015+/-0.008 χ^2/NDF: 39.8/42

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 61.061+/-0.018 χ^2/NDF: 2401398.1/19

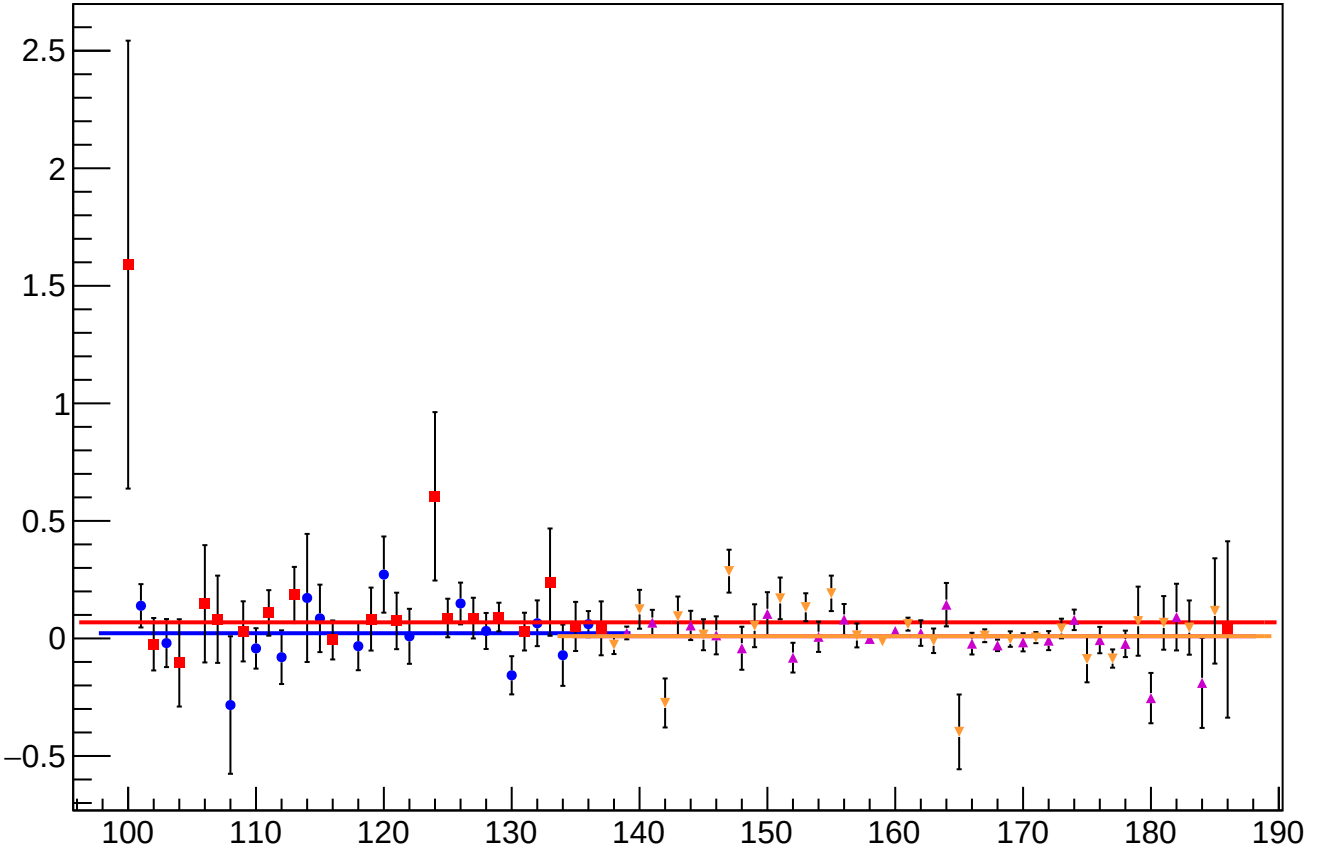
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

\+ sign 31.485+/-0.006 χ^2/NDF: 14728184.5/40

All: 29.869+/-0.004 χ^2/NDF: 30927594.0/83

\- sign 28.427+/-0.005 χ^2/NDF: 16045056.8/42

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

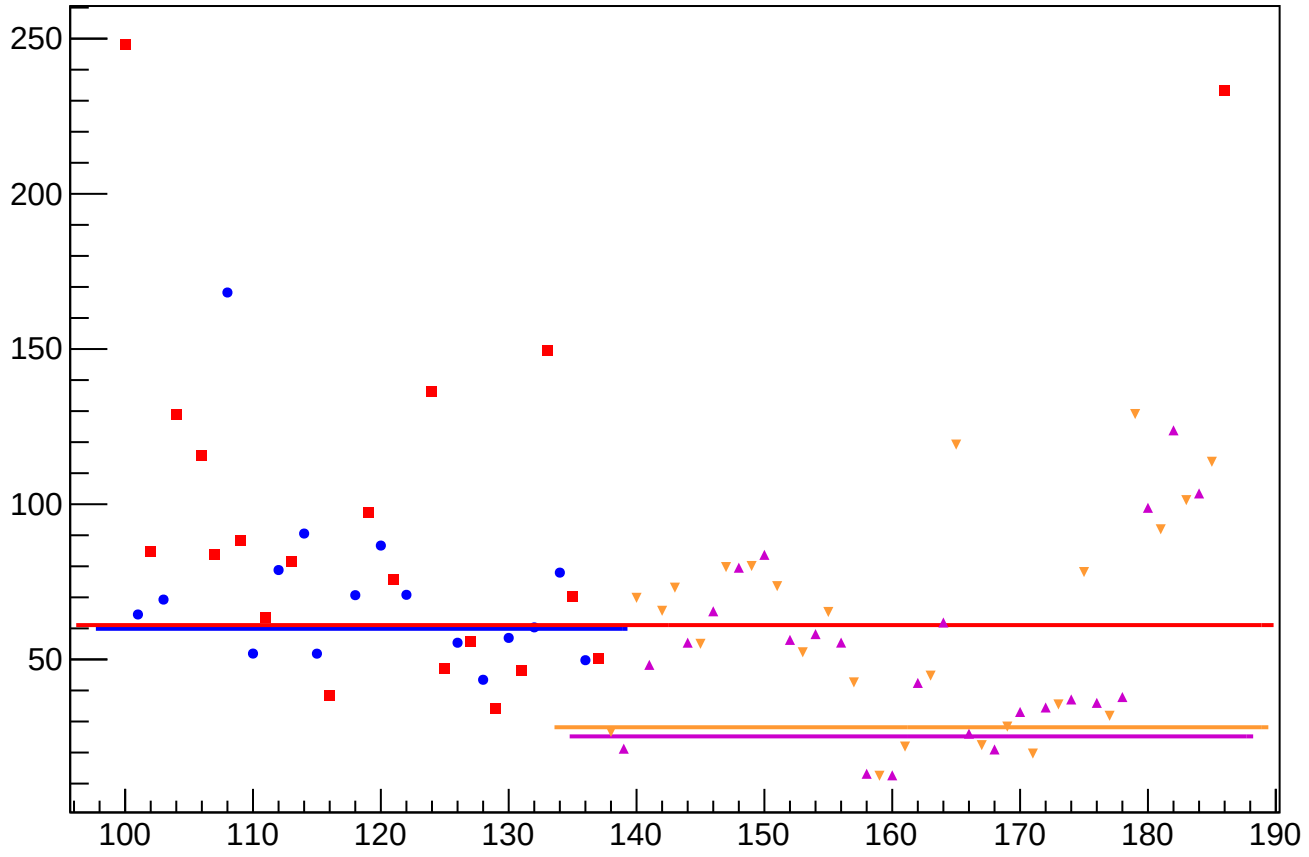
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/19

Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 70.4/40

All: 0.013+/-0.005 χ^2/NDF: 110.3/83

- sign 0.015+/-0.008 χ^2/NDF: 39.8/42



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 61.061+/-0.018 χ^2/NDF: 2401398.1/19

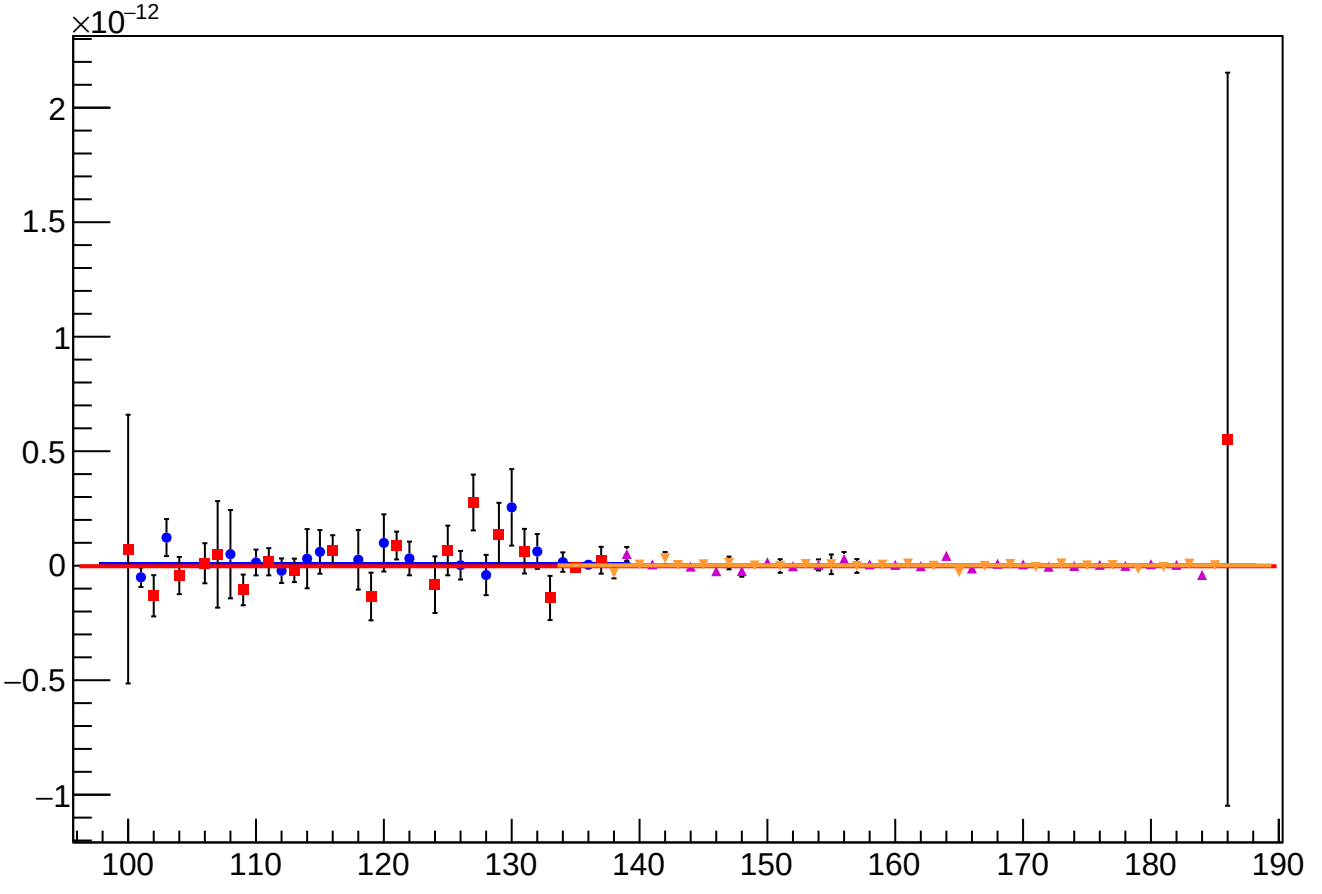
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 31.485+/-0.006 χ^2/NDF: 14728184.5/40

All: 29.869+/-0.004 χ^2/NDF: 30927594.0/83

- sign 28.427+/-0.005 χ^2/NDF: 16045056.8/42

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.8/19

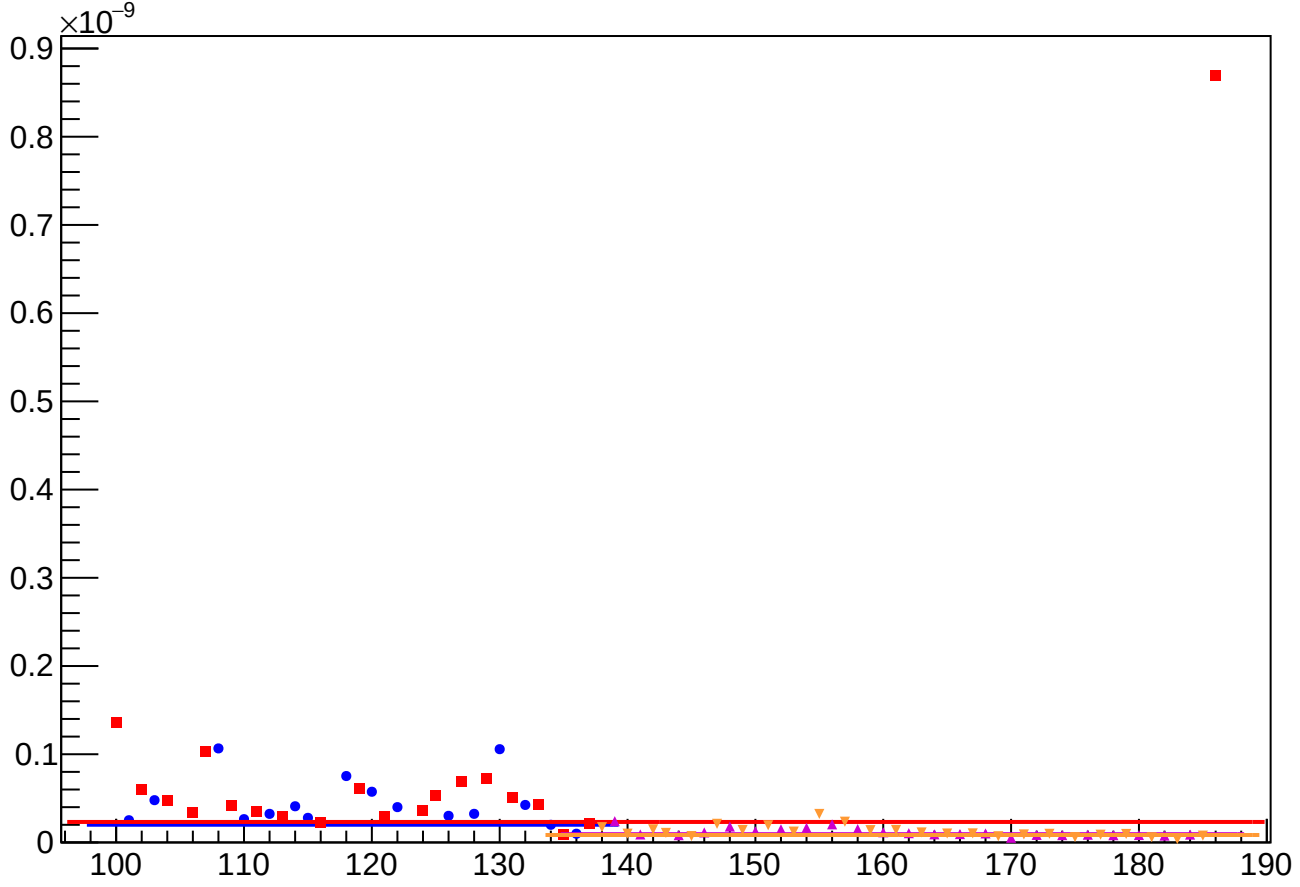
Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 19.9/40

All: 0.000+/-0.000 χ^2/NDF: 60.6/83

- sign 0.000+/-0.000 χ^2/NDF: 40.7/42

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4089987.1/19

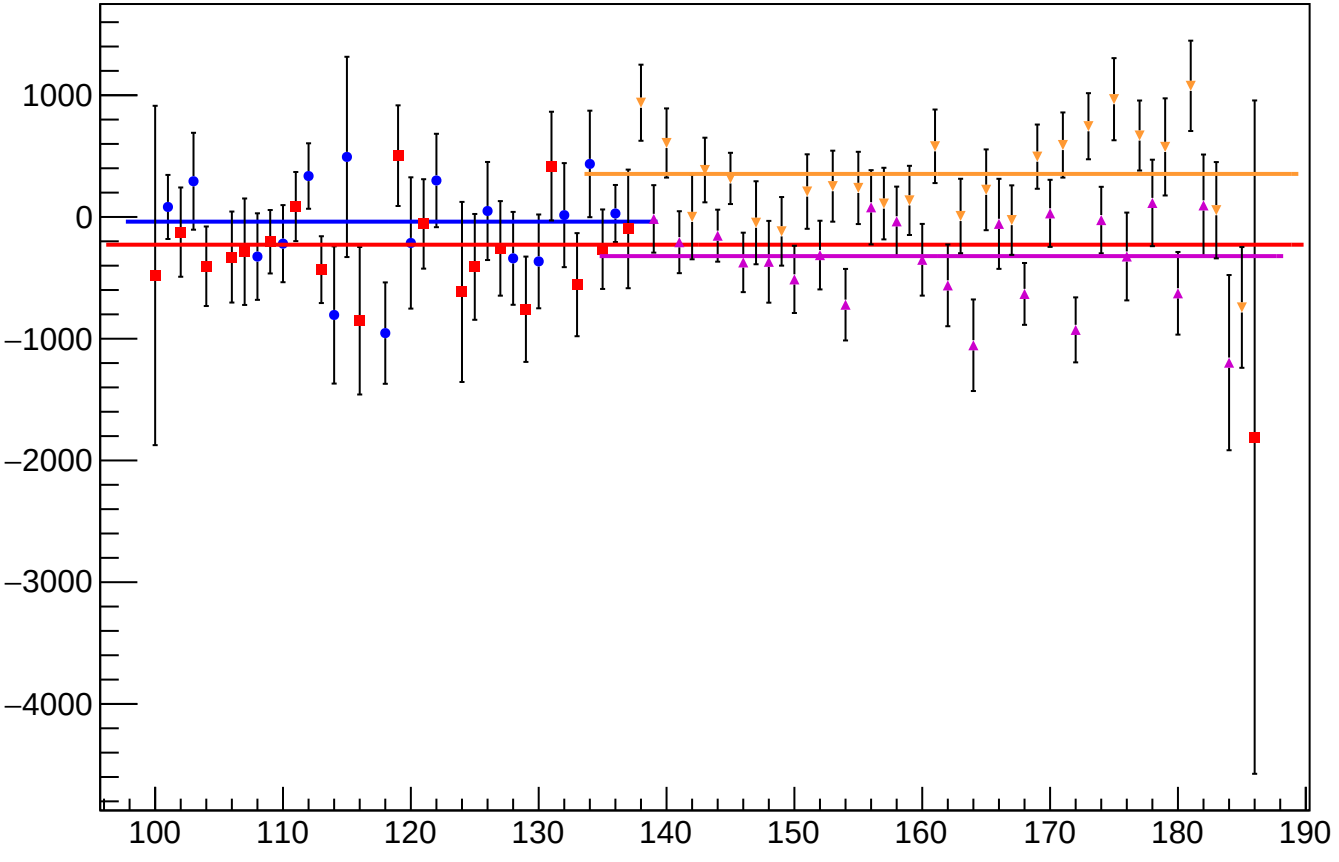
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9212657.3/40

All: 0.000+/-0.000 χ^2/NDF: 17578973.3/83

- sign 0.000+/-0.000 χ^2/NDF: 8238989.6/42

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -227.765+/-87.864 χ^2/NDF: 11.7/19

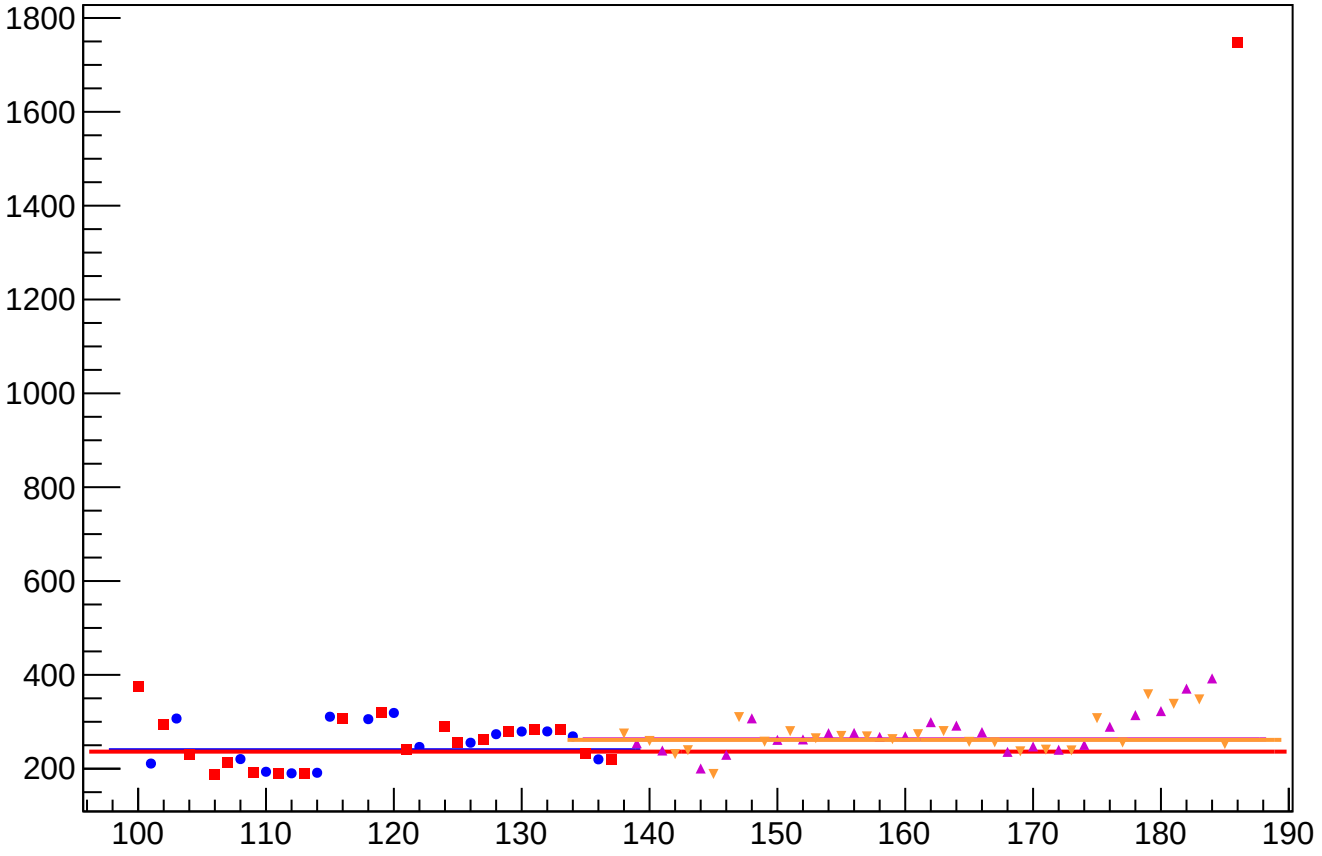
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 233.695+/-50.114 χ^2/NDF: 59.8/40

All: -25.143+/-35.648 χ^2/NDF: 152.5/83

- sign -290.272+/-50.719 χ^2/NDF: 38.7/42

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 236.382+/-0.062 χ^2/NDF: 1079550.1/19

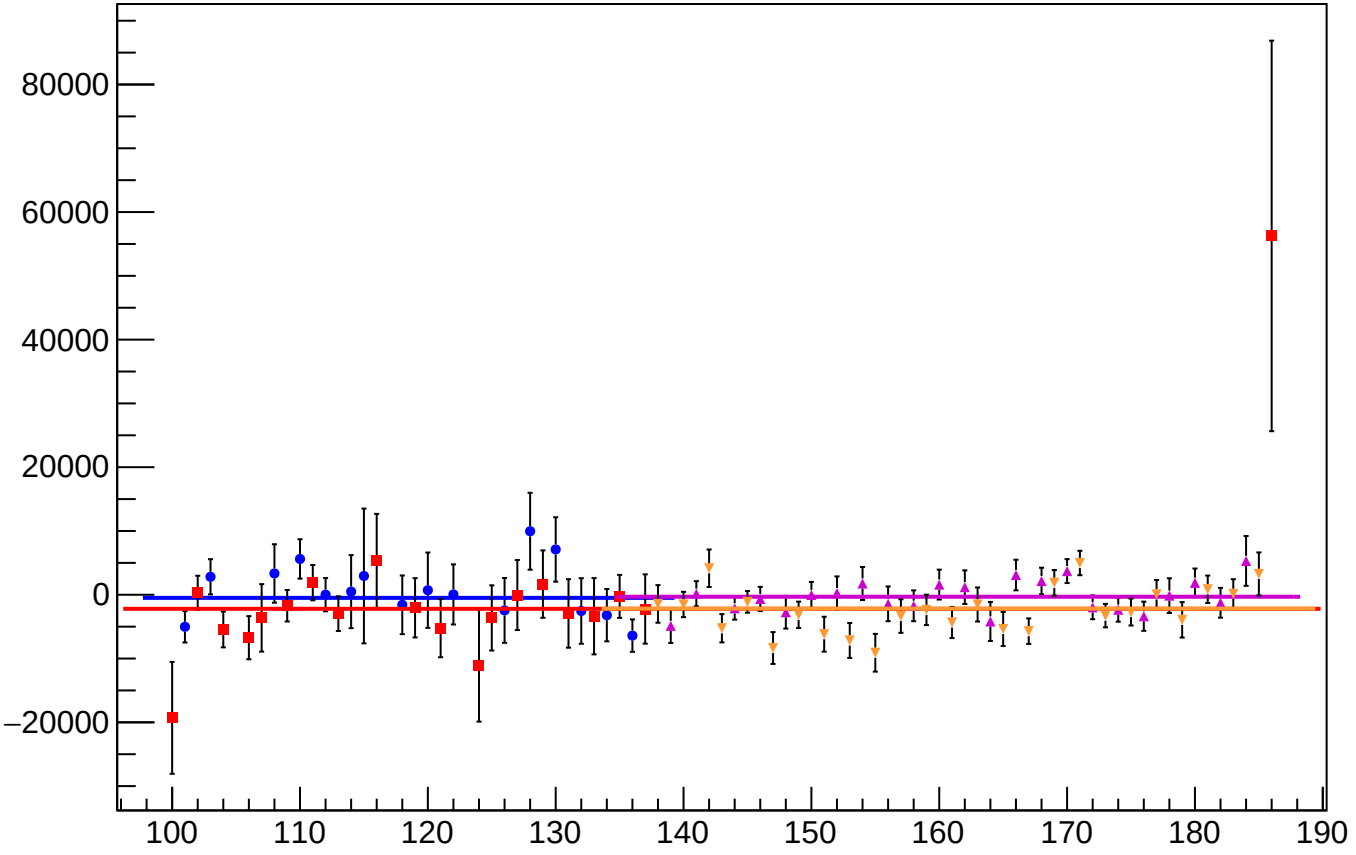
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 254.735+/-0.035 χ^2/NDF: 1198406.2/40

All: 254.310+/-0.025 χ^2/NDF: 3067783.3/83

- sign 253.874+/-0.036 χ^2/NDF: 1869085.7/42

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -2202.025+/-893.790 χ^2/NDF: 17.5/19

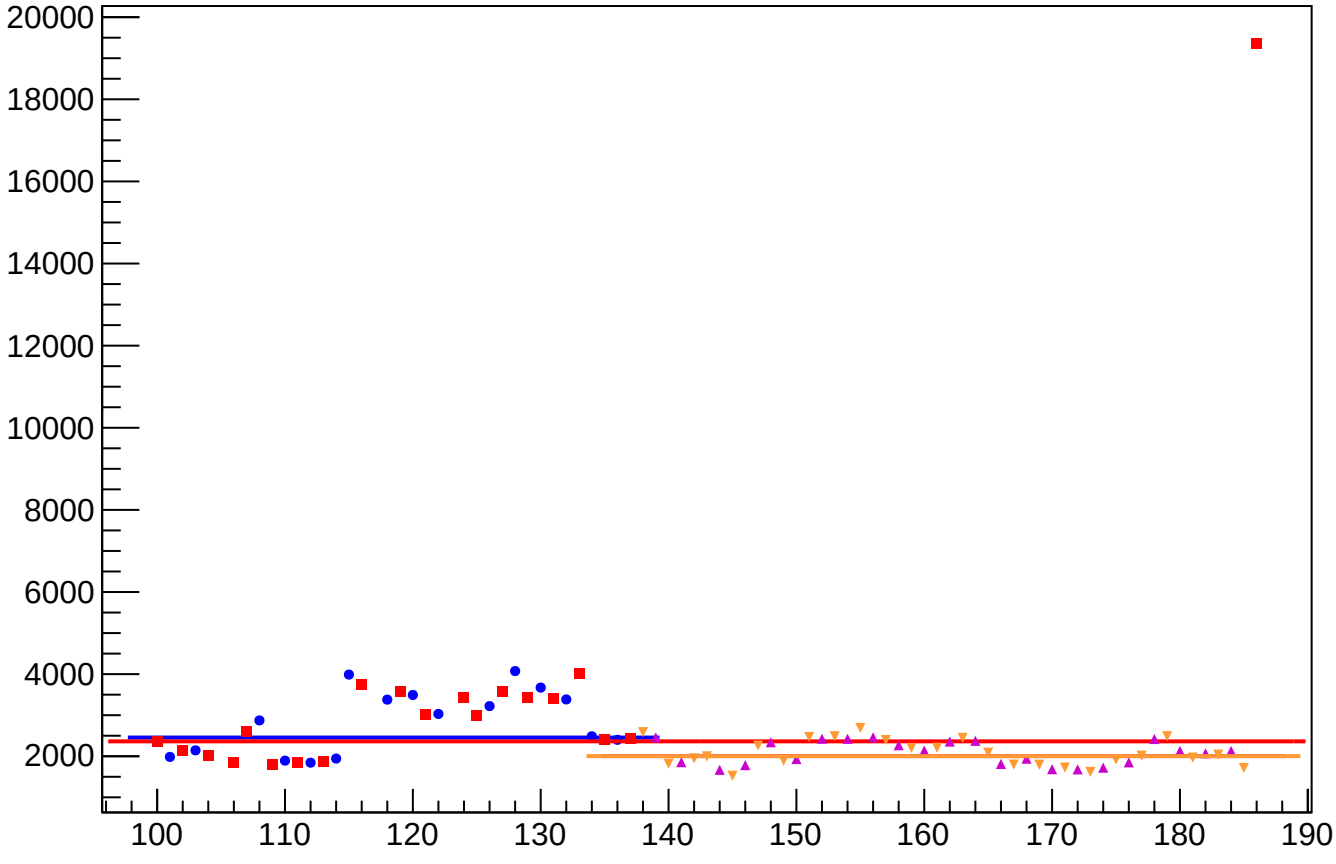
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1848.379+/-415.006 χ^2/NDF: 79.2/40

All: -1293.484+/-294.792 χ^2/NDF: 127.5/83

- sign -728.353+/-418.816 χ^2/NDF: 44.7/42

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2362.944+/-0.632 χ^2/NDF: 1669269.0/19

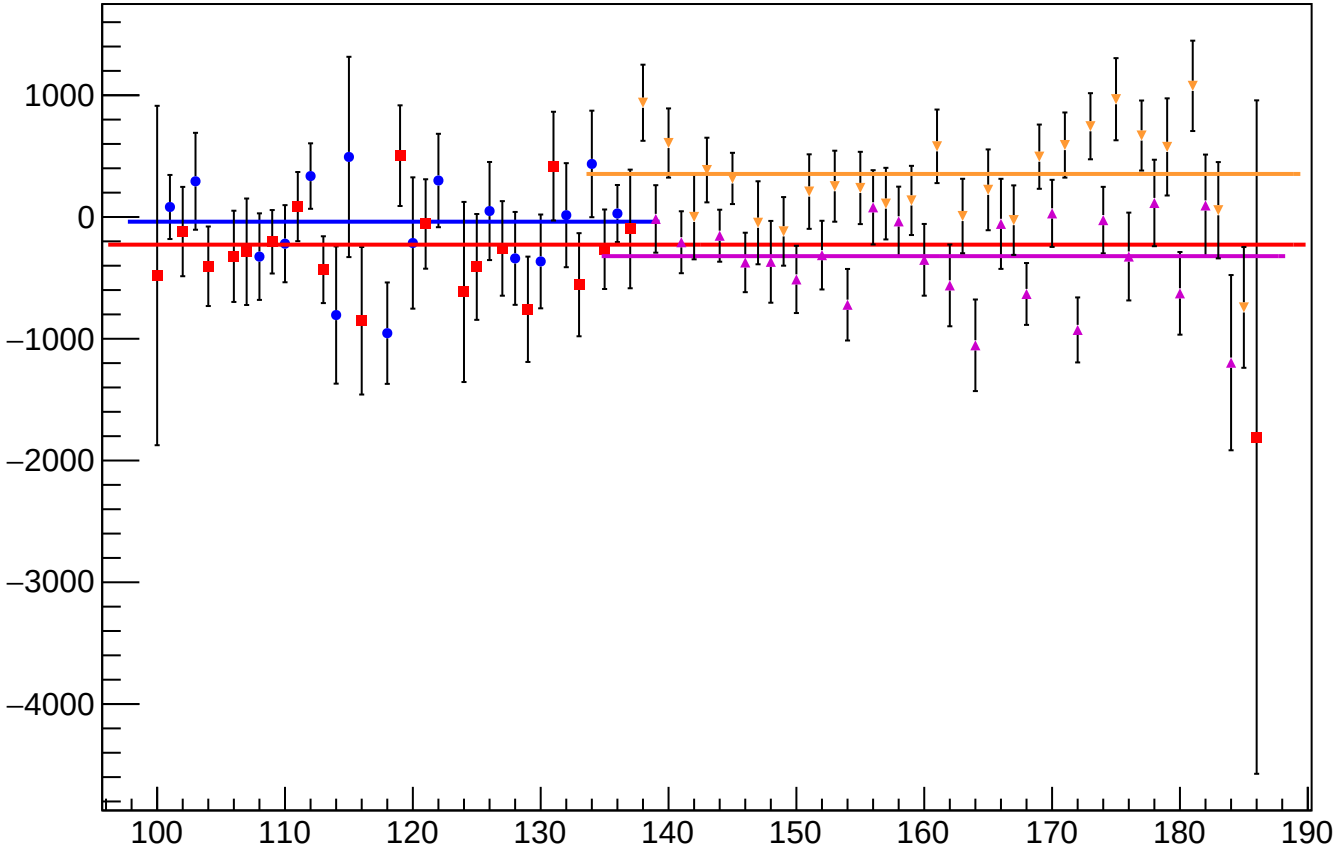
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2089.118+/-0.293 χ^2/NDF: 2156371.4/40

All: 2086.089+/-0.208 χ^2/NDF: 4782169.9/83

- sign 2083.004+/-0.296 χ^2/NDF: 2625583.4/42

cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -227.112+/-87.877 χ^2/NDF: 11.7/19

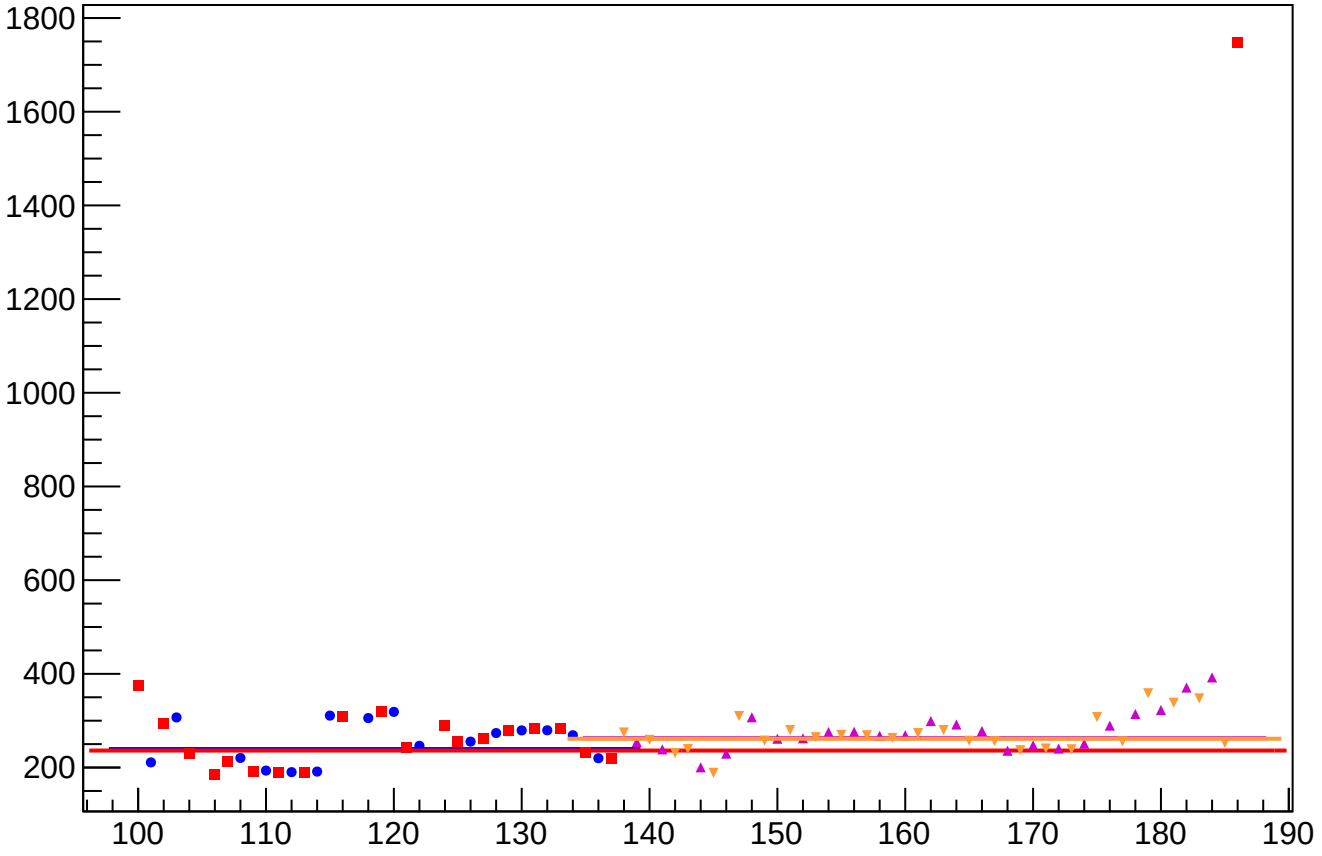
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 233.705+/-50.114 χ^2/NDF: 59.8/40

All: -25.021+/-35.649 χ^2/NDF: 152.5/83

- sign -290.064+/-50.722 χ^2/NDF: 38.7/42

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 236.260+/-0.062 χ^2/NDF: 1083169.1/19

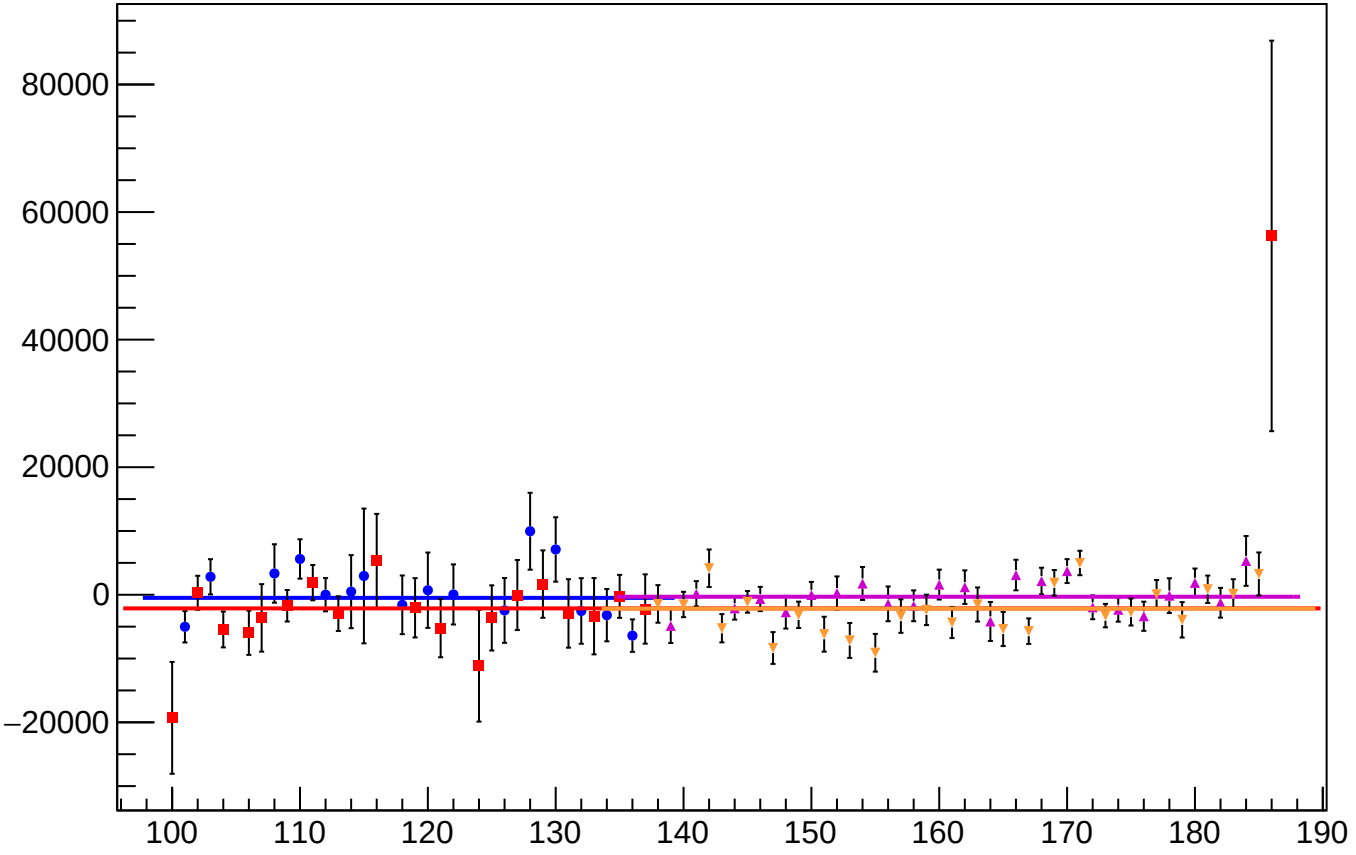
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 254.735+/-0.035 χ^2/NDF: 1198408.2/40

All: 254.291+/-0.025 χ^2/NDF: 3072506.6/83

- sign 253.836+/-0.036 χ^2/NDF: 1873780.2/42

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2134.829+/-895.479 χ^2/NDF: 16.9/19

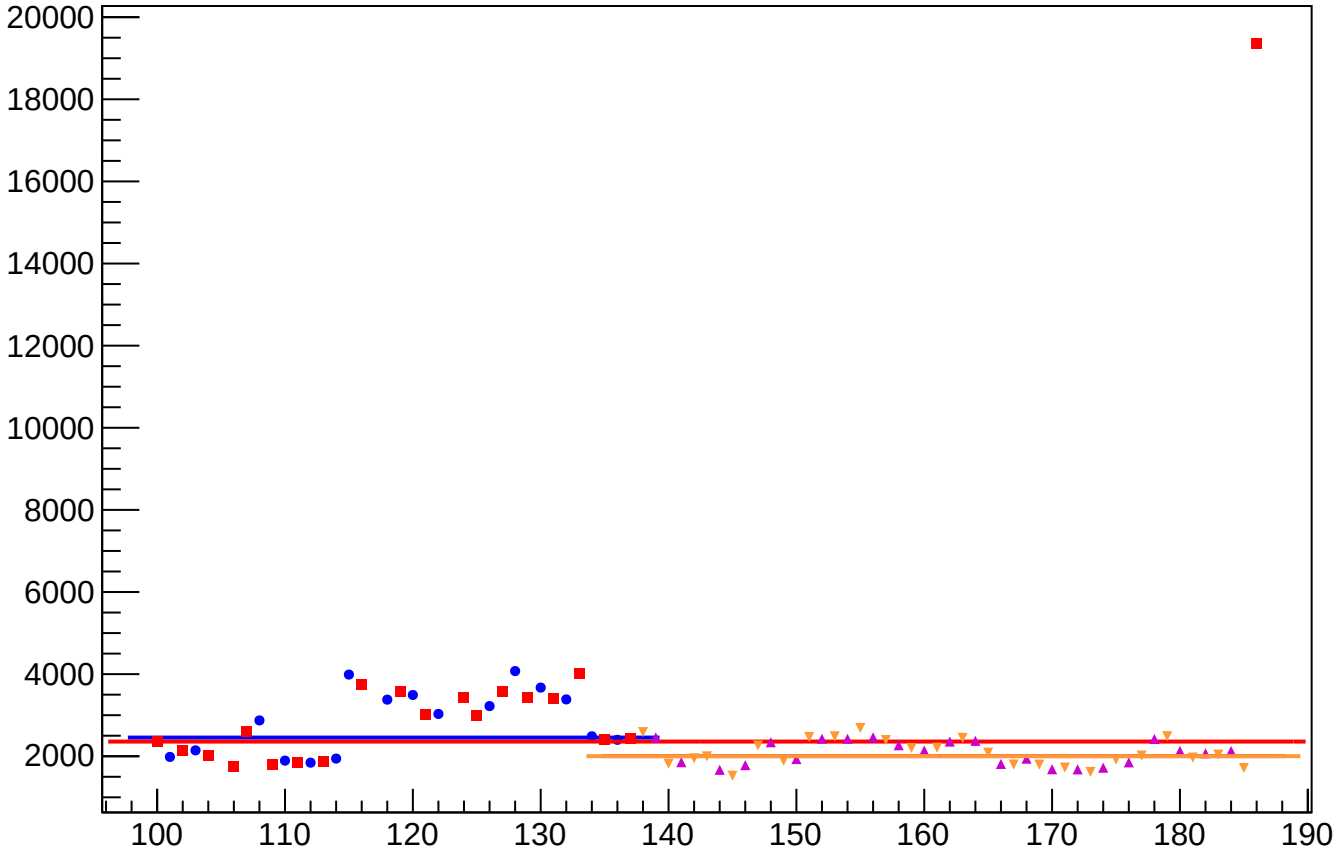
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1848.393+/-415.007 χ^2/NDF: 79.2/40

All: -1285.834+/-294.852 χ^2/NDF: 126.7/83

- sign -712.426+/-418.990 χ^2/NDF: 43.8/42

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

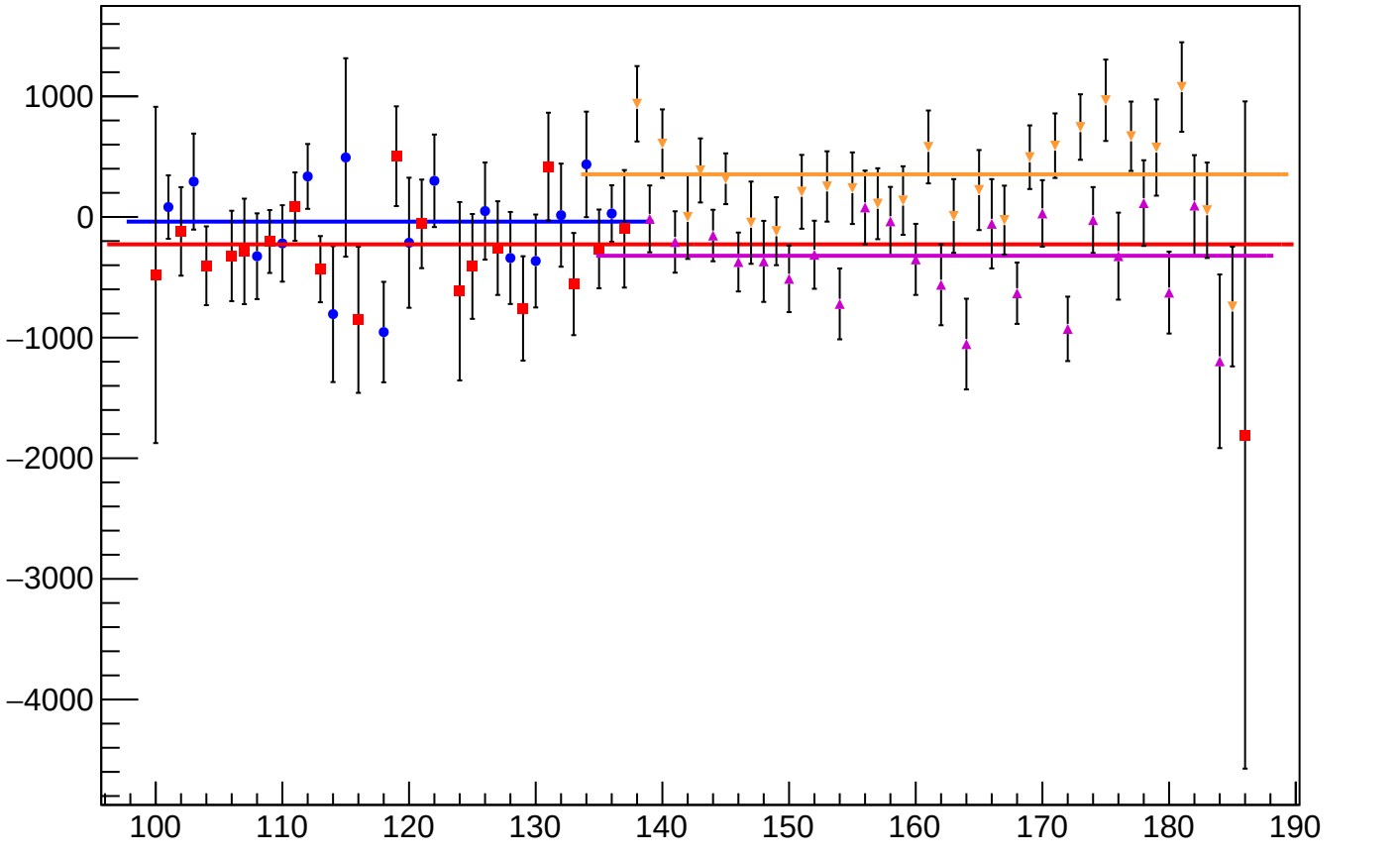
Right Out: 2357.513+/-0.633 χ^2/NDF: 1687631.5/19

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2089.122+/-0.293 χ^2/NDF: 2156374.4/40

All: 2085.389+/-0.208 χ^2/NDF: 4792373.8/83

- sign 2081.584+/-0.296 χ^2/NDF: 2635672.6/42



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -227.112+/-87.877 χ^2/NDF: 11.7/19

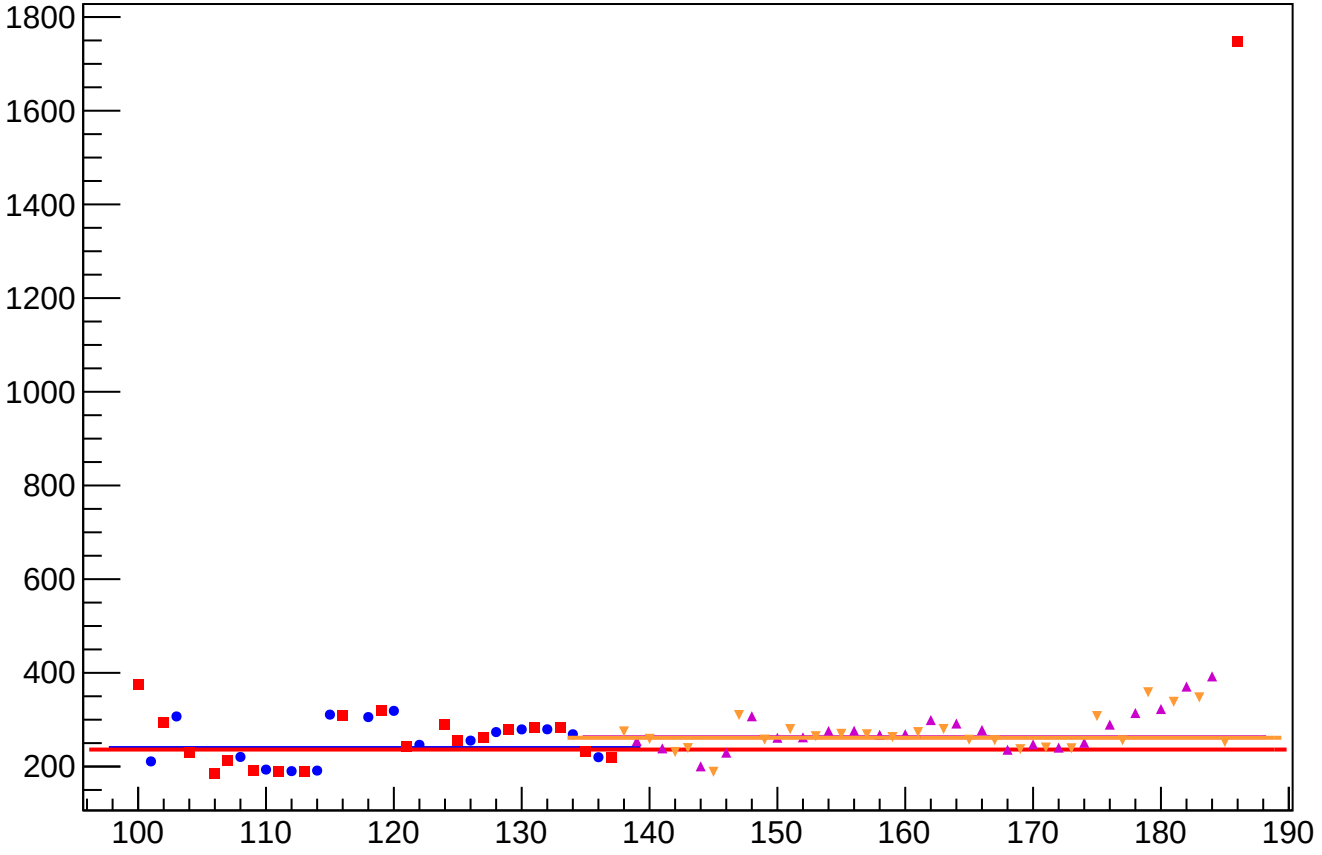
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 233.705+/-50.114 χ^2/NDF: 59.8/40

All: -25.021+/-35.649 χ^2/NDF: 152.5/83

- sign -290.064+/-50.722 χ^2/NDF: 38.7/42

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 236.260+/-0.062 χ^2/NDF: 1083169.1/19

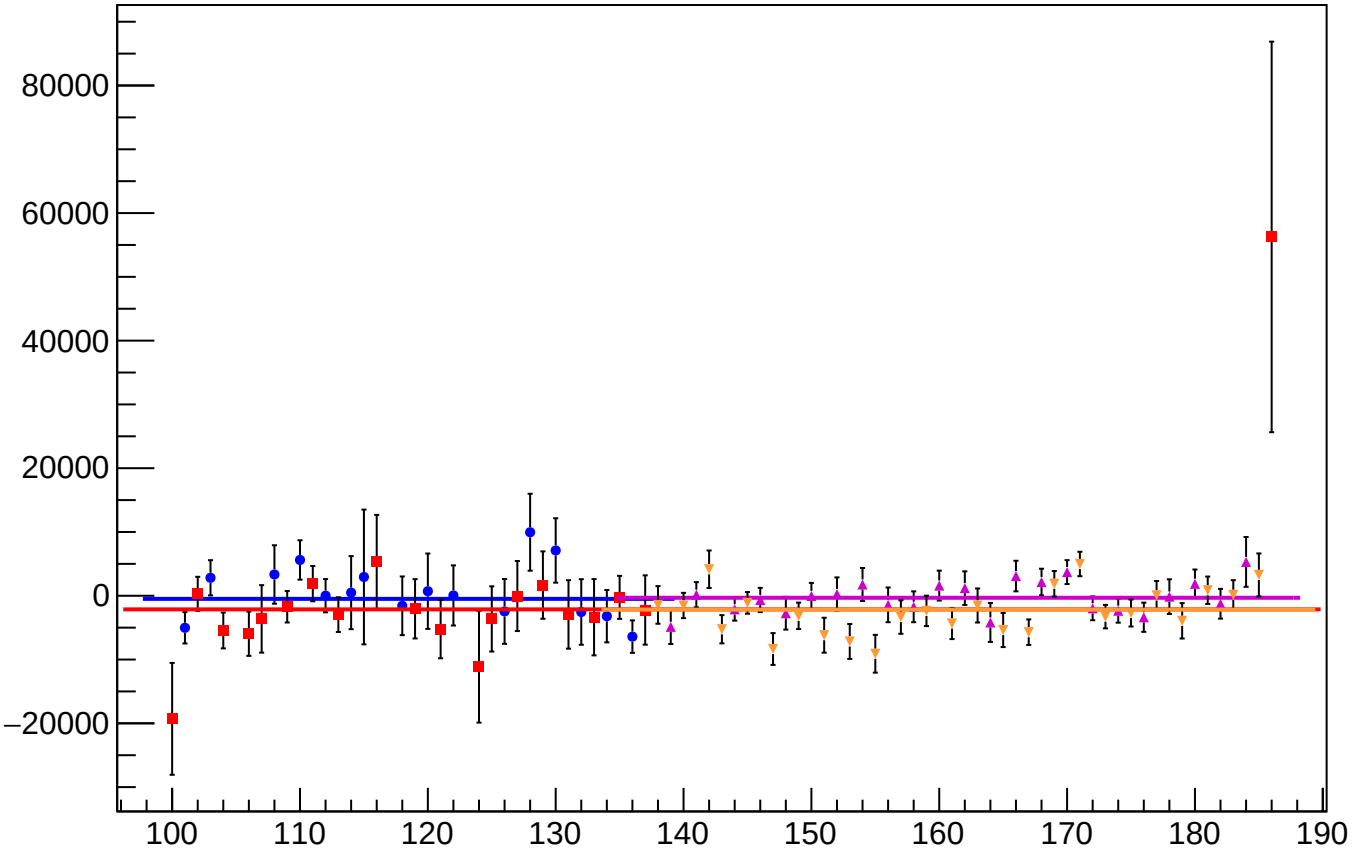
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 254.735+/-0.035 χ^2/NDF: 1198408.2/40

All: 254.291+/-0.025 χ^2/NDF: 3072506.6/83

- sign 253.836+/-0.036 χ^2/NDF: 1873780.2/42

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2134.829+/-895.479 χ^2/NDF: 16.9/19

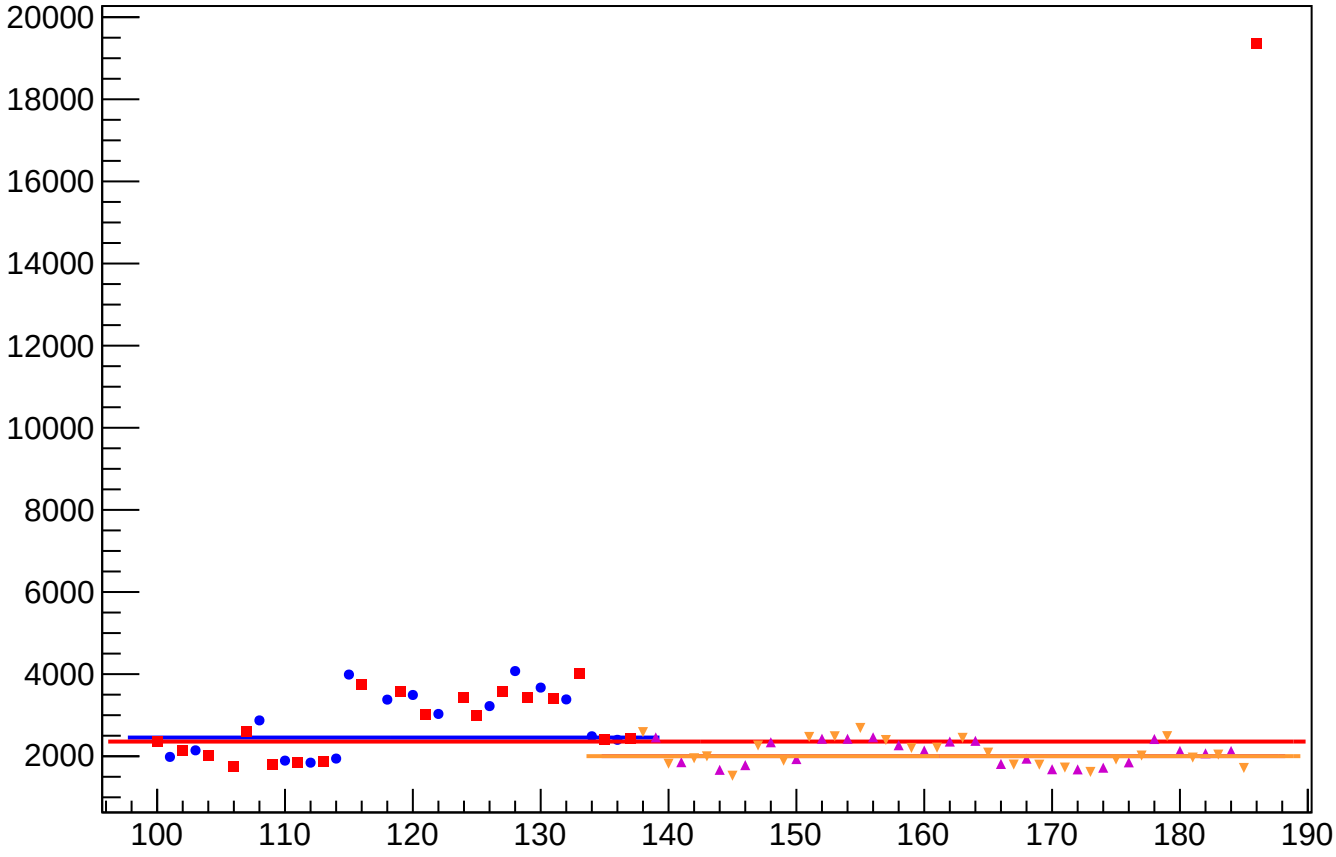
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1848.393+/-415.007 χ^2/NDF: 79.2/40

All: -1285.834+/-294.852 χ^2/NDF: 126.7/83

- sign -712.426+/-418.990 χ^2/NDF: 43.8/42

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2357.513+/-0.633 χ^2/NDF: 1687631.5/19

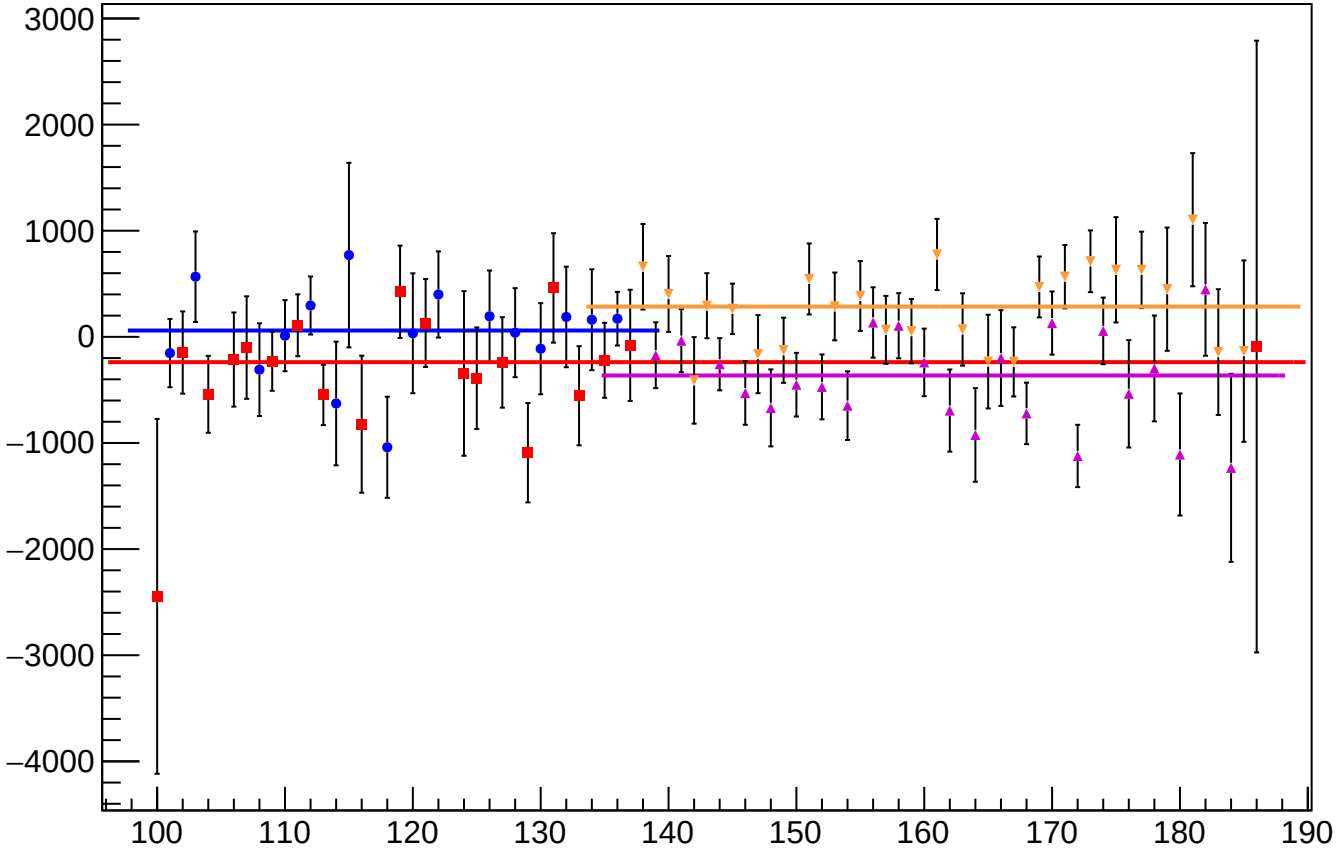
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2089.122+/-0.293 χ^2/NDF: 2156374.4/40

All: 2085.389+/-0.208 χ^2/NDF: 4792373.8/83

- sign 2081.584+/-0.296 χ^2/NDF: 2635672.6/42

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -238.356+/-95.011 χ^2/NDF: 14.9/19

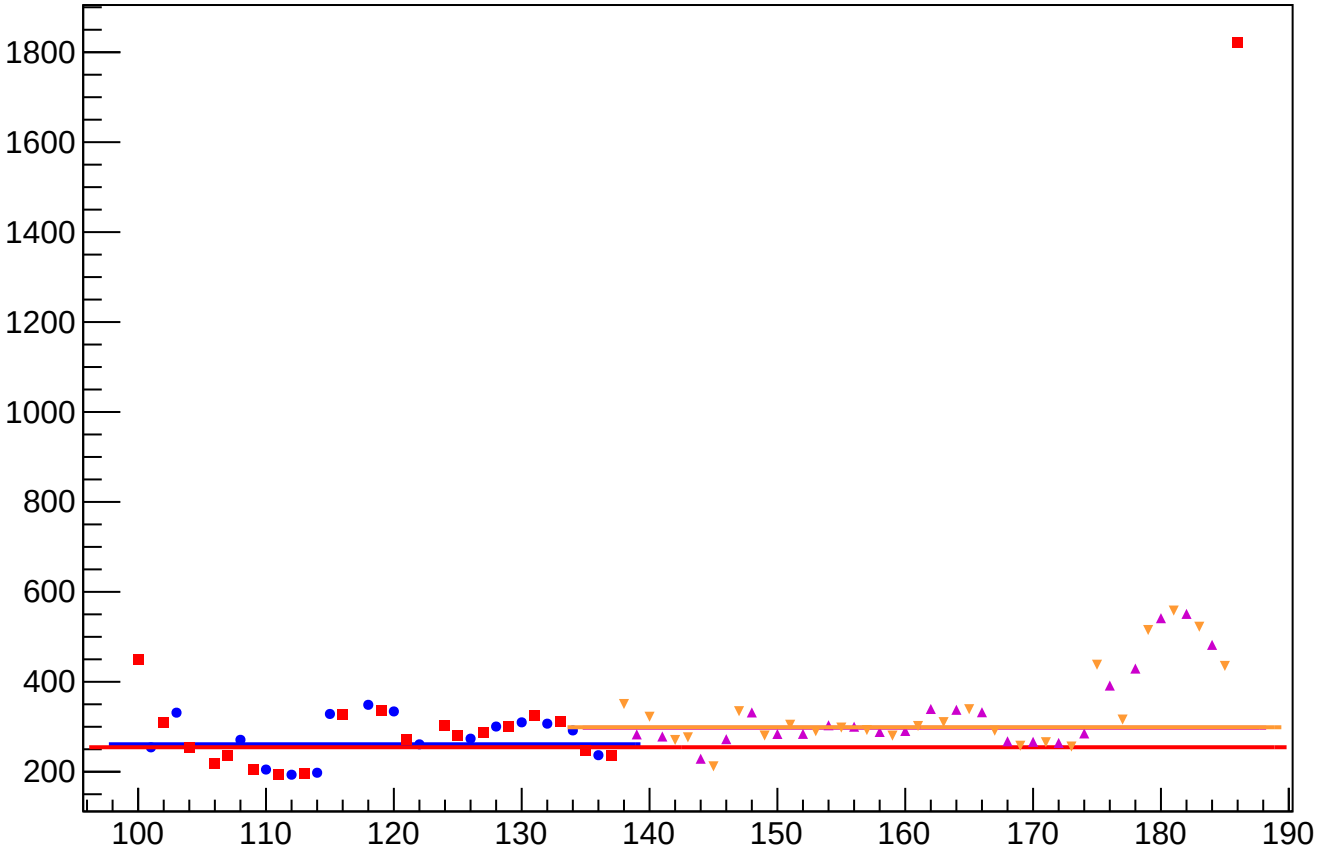
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

\+ sign 210.036+/-57.220 χ^2/NDF: 38.3/40

All: -54.144+/-40.467 χ^2/NDF: 125.2/83

\- sign -318.502+/-57.239 χ^2/NDF: 44.3/42

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 254.492+/-0.067 χ^2/NDF: 1129113.1/19

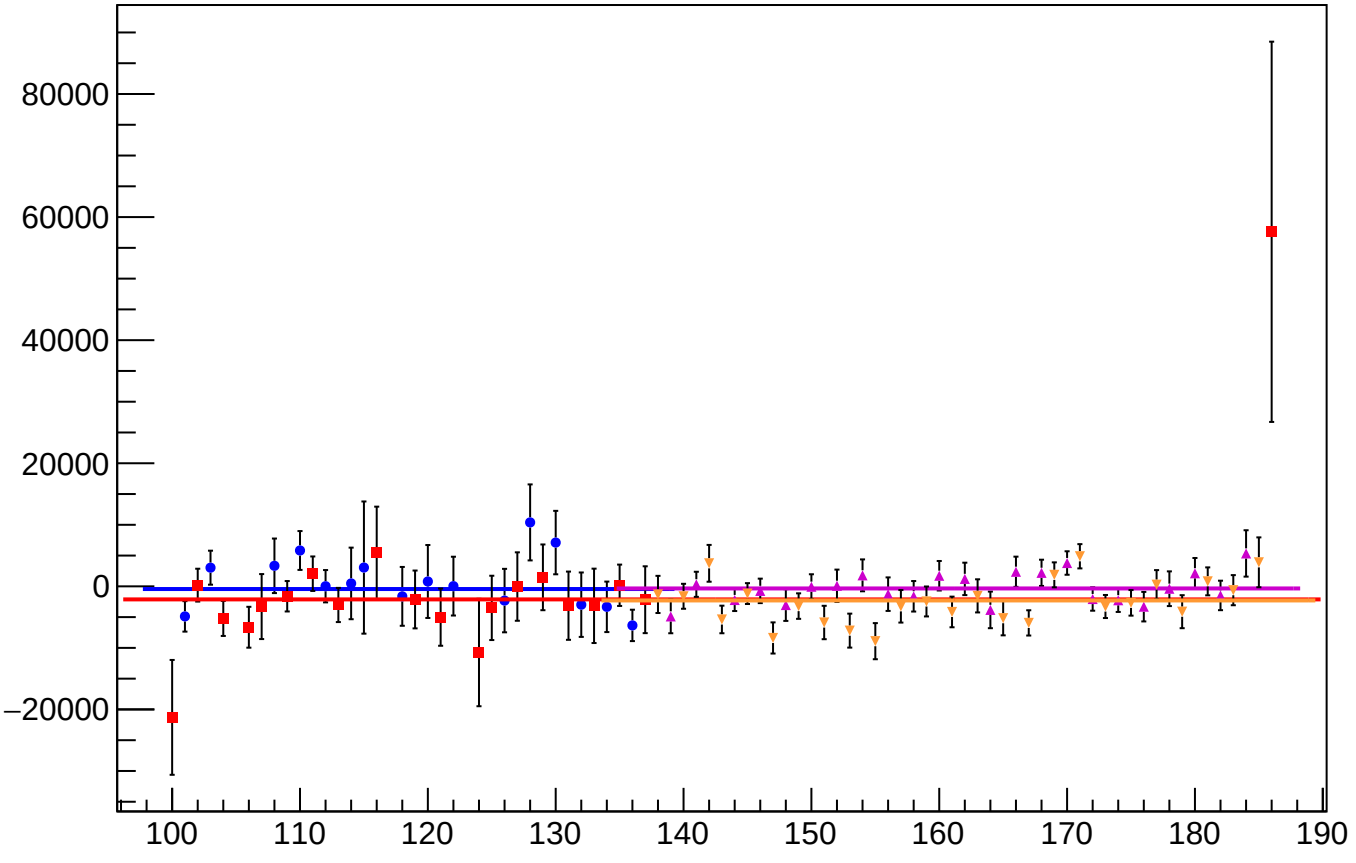
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 286.353+/-0.040 χ^2/NDF: 2269963.2/40

All: 284.245+/-0.029 χ^2/NDF: 4989341.9/83

- sign 282.136+/-0.040 χ^2/NDF: 2713949.7/42

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -2121.275+/-900.719 χ^2/NDF: 17.7/19

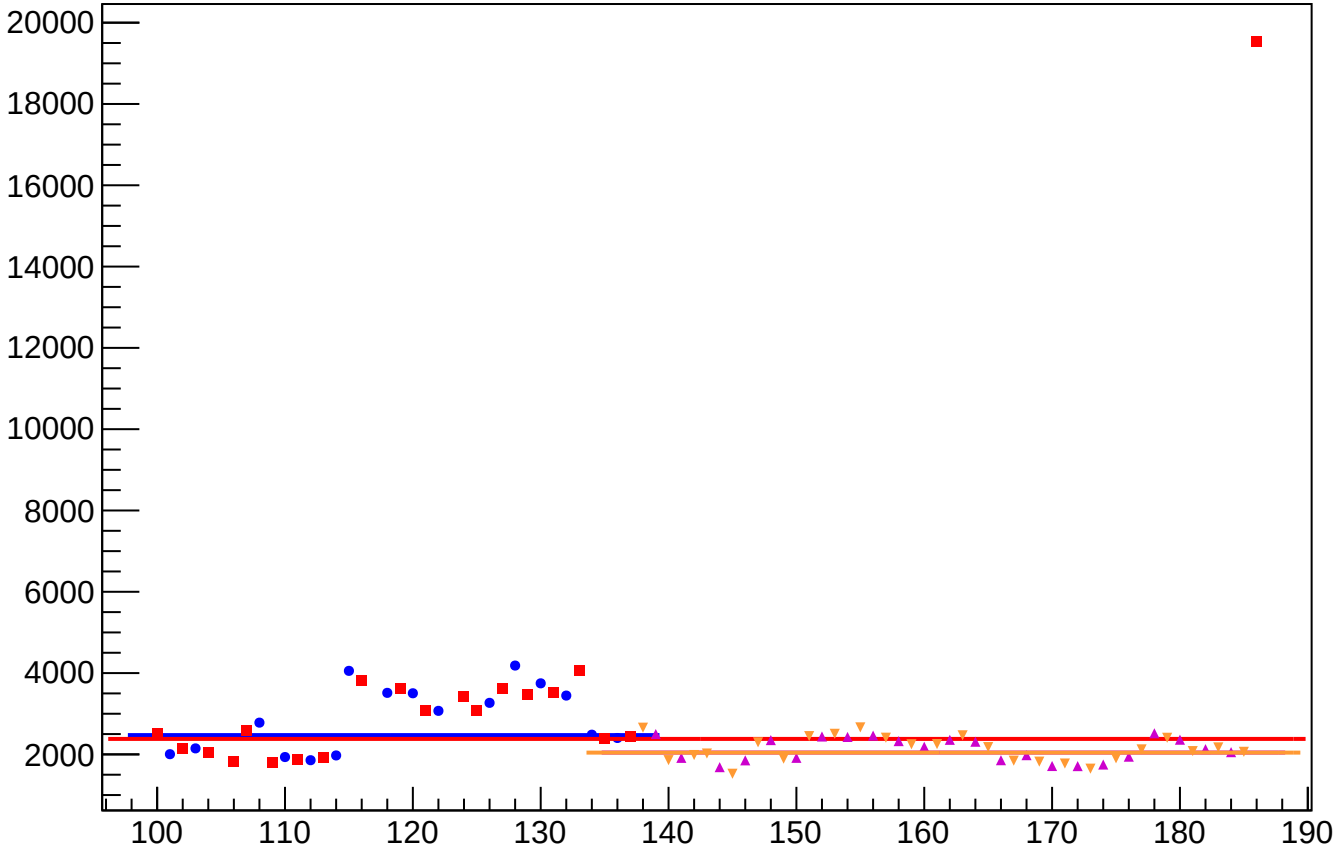
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -1928.885+/-422.082 χ^2/NDF: 75.9/40

All: -1340.345+/-299.859 χ^2/NDF: 123.4/83

- sign -740.615+/-426.076 χ^2/NDF: 43.6/42

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2380.816+/-0.637 χ^2/NDF: 1694364.2/19

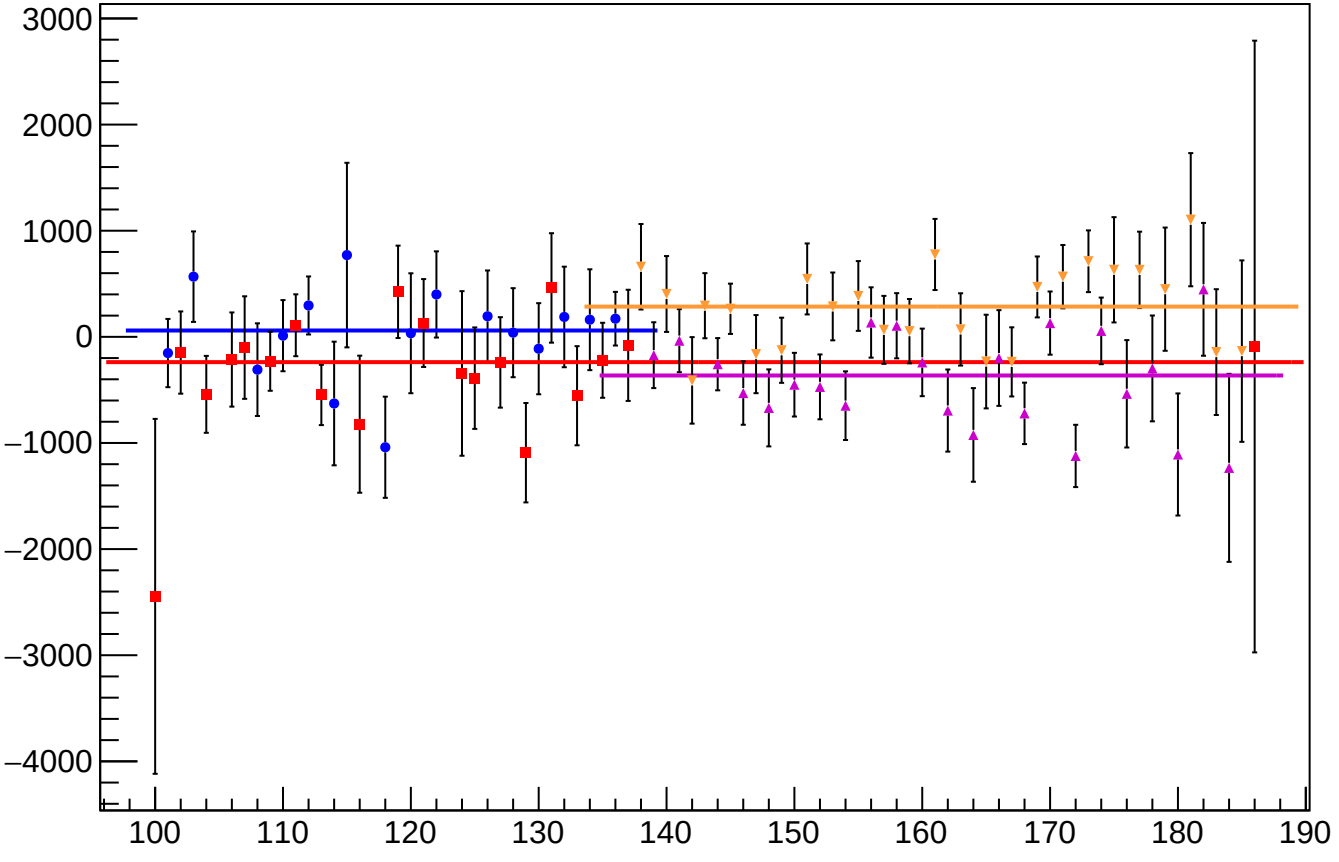
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2127.889+/-0.298 χ^2/NDF: 2097171.2/40

All: 2124.121+/-0.212 χ^2/NDF: 4697644.7/83

- sign 2120.283+/-0.301 χ^2/NDF: 2600151.9/42

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -238.355+/-95.011 χ^2/NDF: 14.9/19

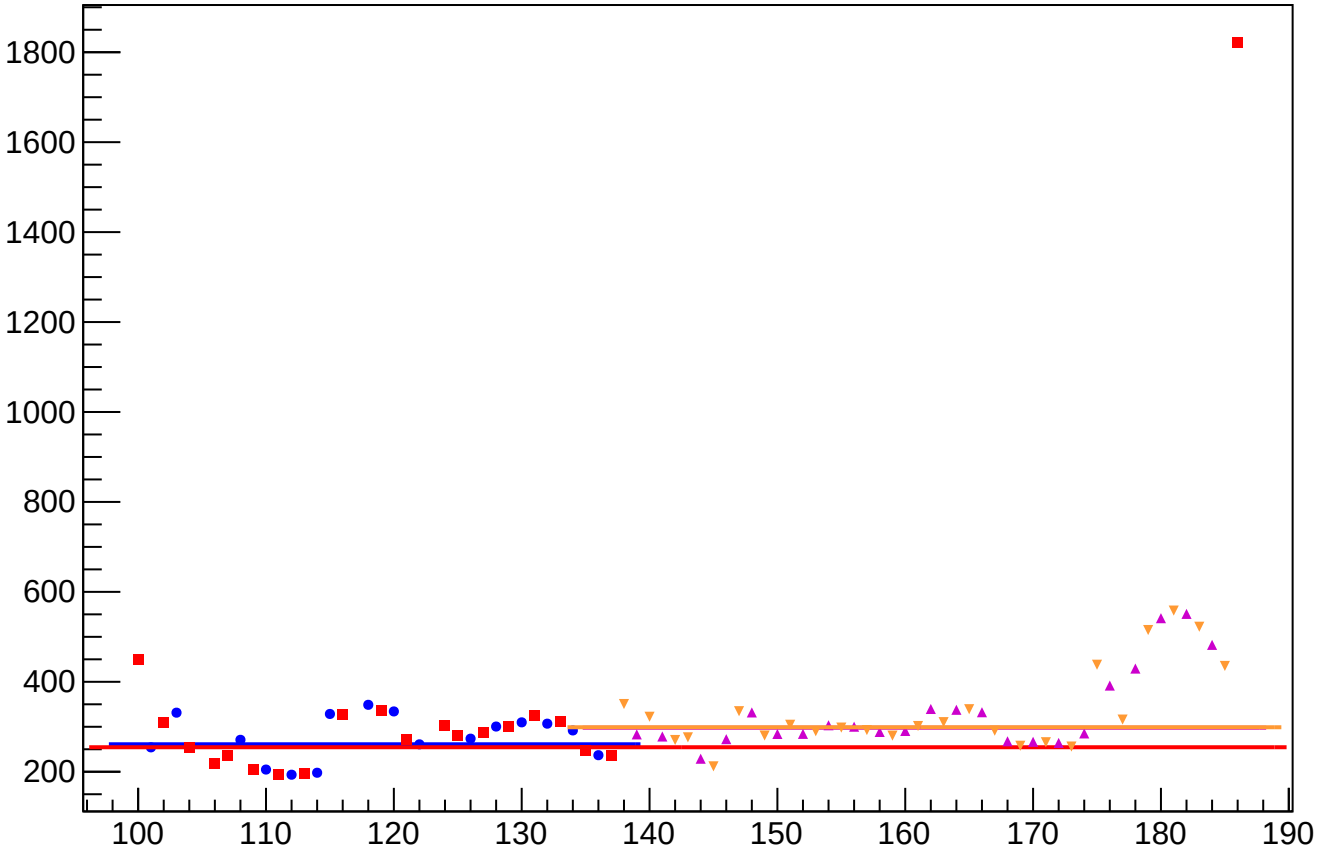
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 210.041+/-57.220 χ^2/NDF: 38.3/40

All: -54.142+/-40.467 χ^2/NDF: 125.2/83

- sign -318.503+/-57.239 χ^2/NDF: 44.3/42

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

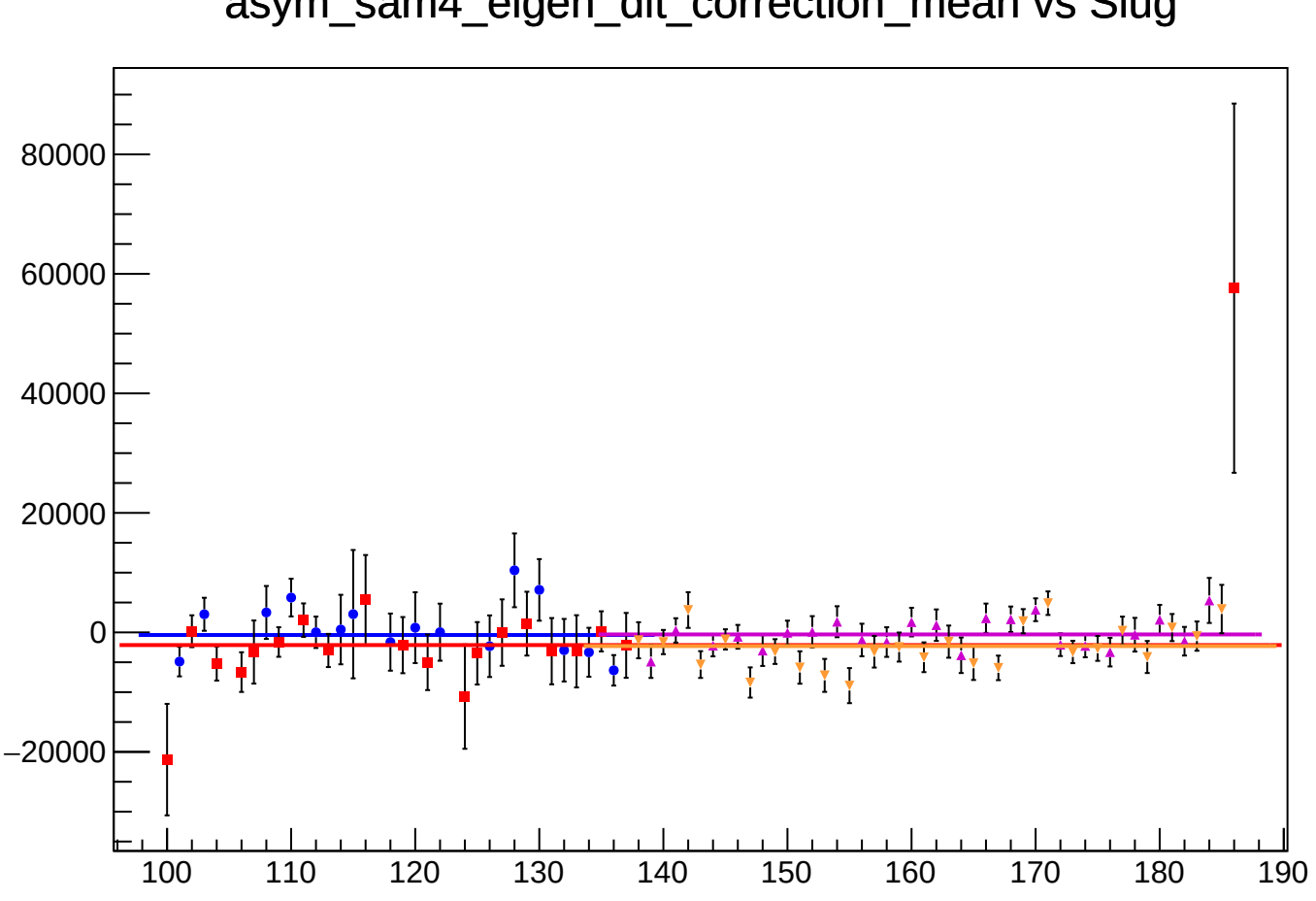
Right Out: 254.492+/-0.067 χ^2/NDF: 1129115.2/19

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 286.353+/-0.040 χ^2/NDF: 2269965.6/40

All: 284.245+/-0.029 χ^2/NDF: 4989331.7/83

- sign 282.136+/-0.040 χ^2/NDF: 2713936.9/42



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -2121.274+/-900.718 χ^2/NDF: 17.7/19

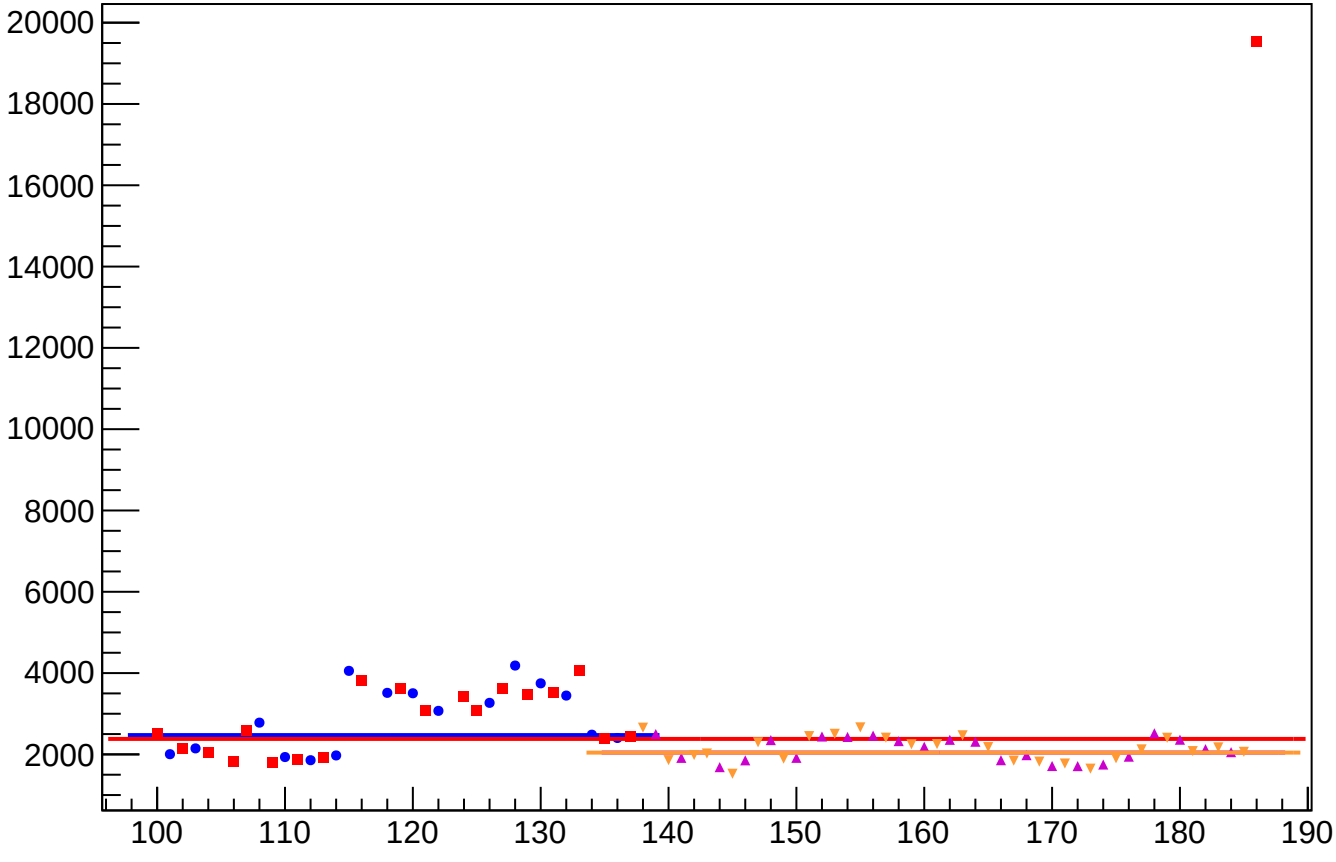
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -1928.881+/-422.082 χ^2/NDF: 75.9/40

All: -1340.341+/-299.859 χ^2/NDF: 123.4/83

- sign -740.612+/-426.075 χ^2/NDF: 43.6/42

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2380.814+/-0.637 χ^2/NDF: 1694366.2/19

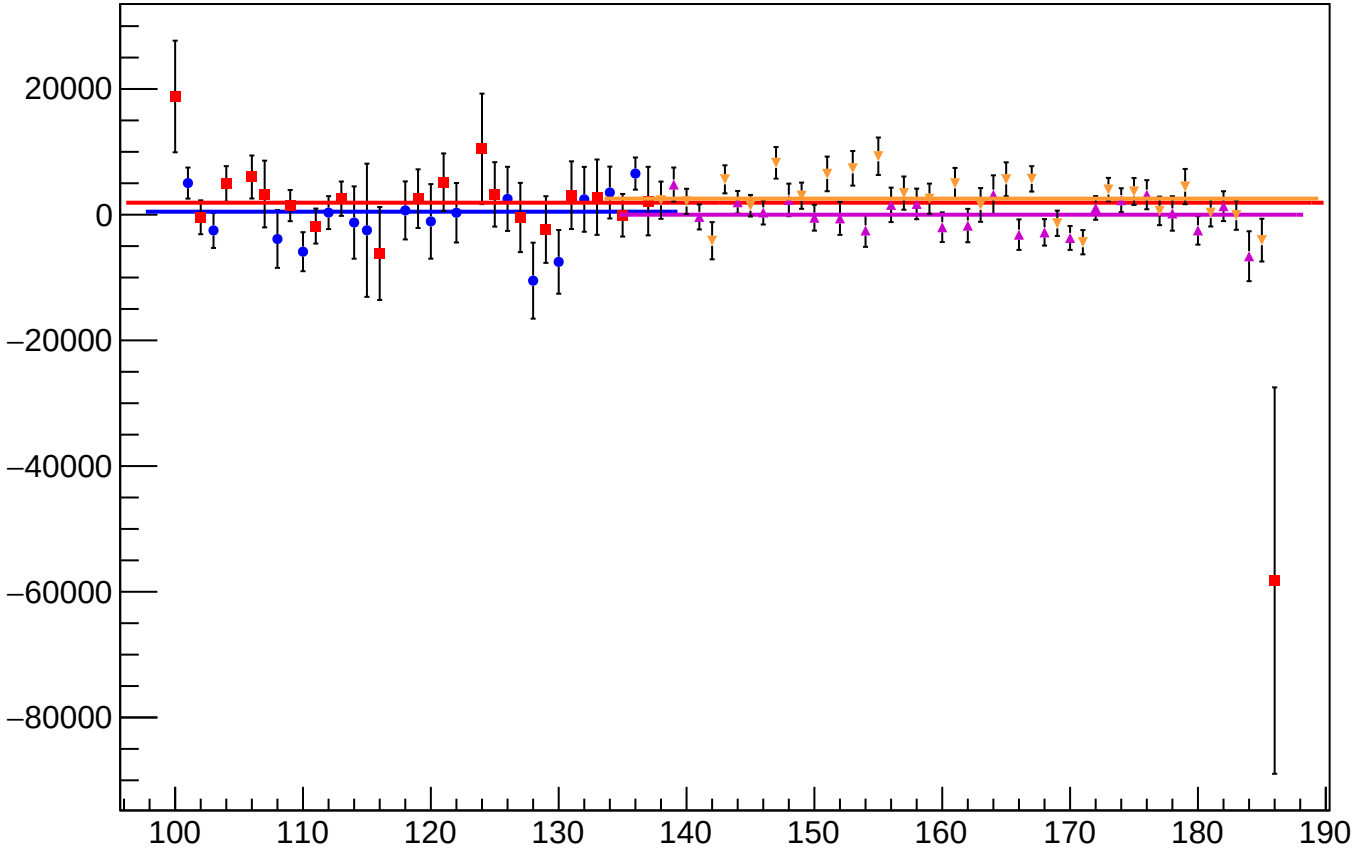
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2127.886+/-0.298 χ^2/NDF: 2097179.5/40

All: 2124.119+/-0.212 χ^2/NDF: 4697655.4/83

- sign 2120.280+/-0.301 χ^2/NDF: 2600154.3/42

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 1907.993+/-899.317 χ^2/NDF: 16.7/19

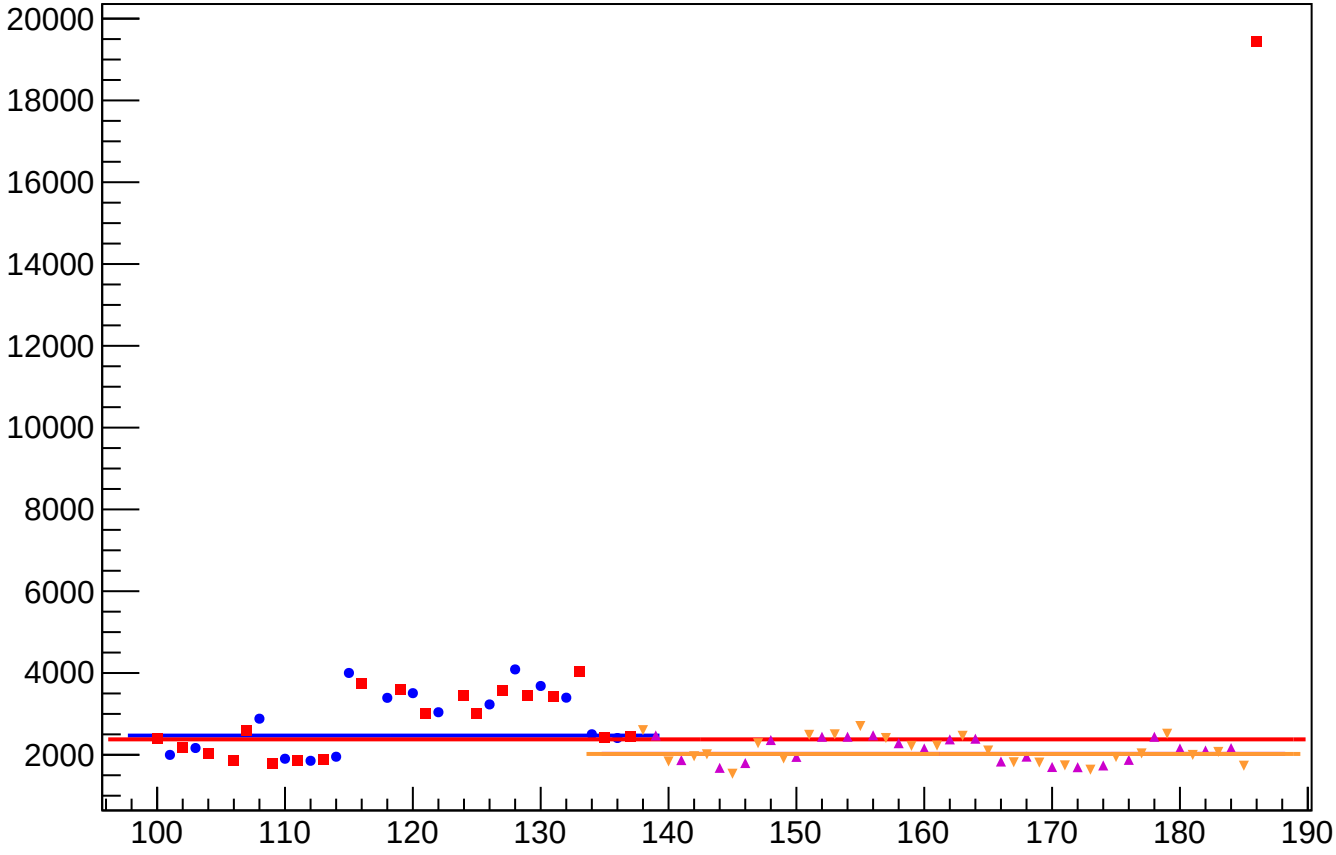
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2157.250+/-418.570 χ^2/NDF: 78.7/40

All: 1295.762+/-297.331 χ^2/NDF: 132.1/83

- sign 418.285+/-422.437 χ^2/NDF: 44.8/42

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

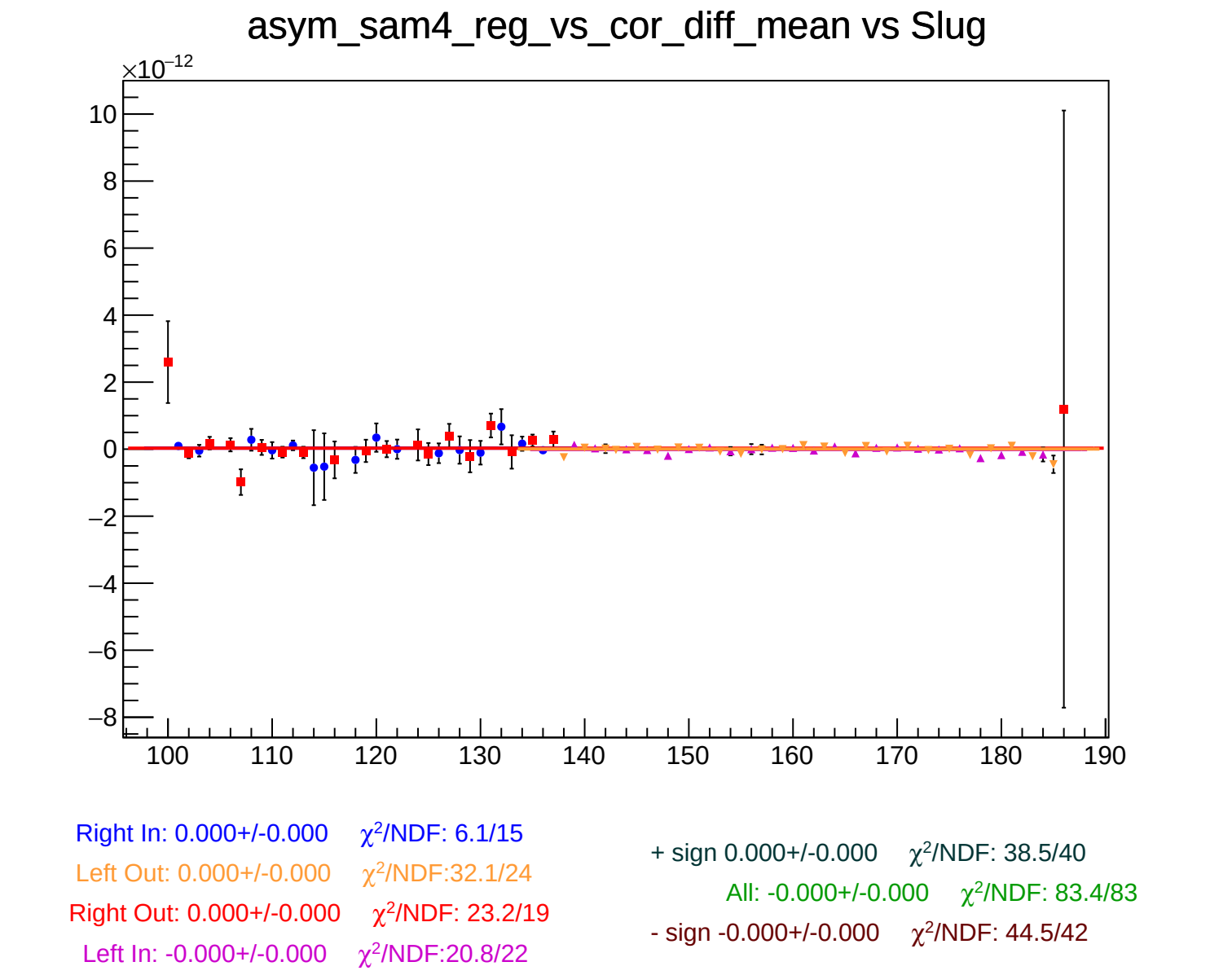
Right Out: 2377.665+/-0.636 χ^2/NDF: 1659889.0/19

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2107.806+/-0.296 χ^2/NDF: 2125002.1/40

All: 2104.670+/-0.210 χ^2/NDF: 4723209.9/83

- sign 2101.477+/-0.299 χ^2/NDF: 2597981.3/42


asym_sam4_reg_vs_cor_diff_mean vs Slug
×10^−12
10
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−8
100
110
120
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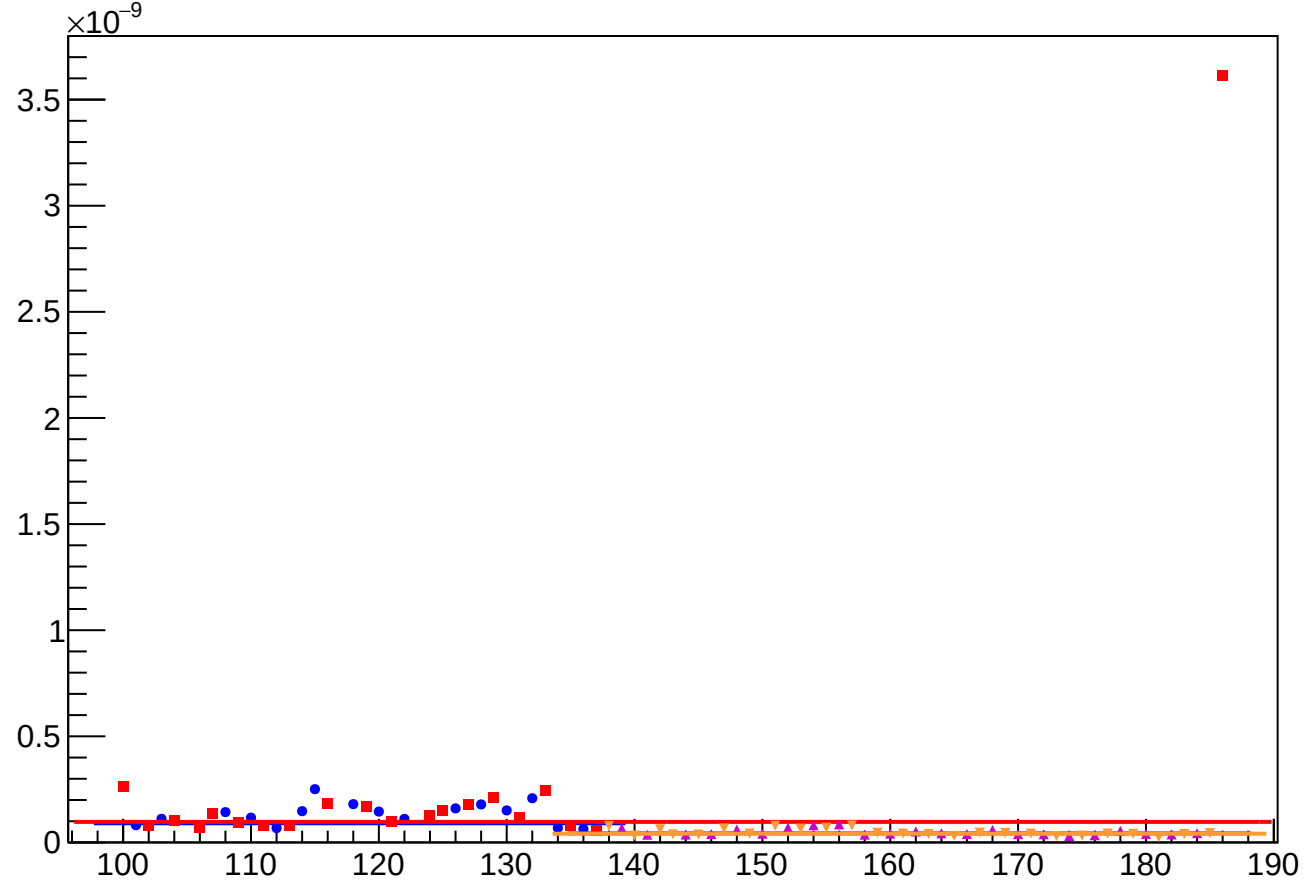
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 6.1/15
Left Out: 0.000+/-0.000 χ²/NDF:32.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 23.2/19
Left In: -0.000+/-0.000 χ²/NDF:20.8/22
+ sign 0.000+/-0.000 χ²/NDF: 38.5/40
All: -0.000+/-0.000 χ²/NDF: 83.4/83
- sign -0.000+/-0.000 χ²/NDF: 44.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1163024.9/19

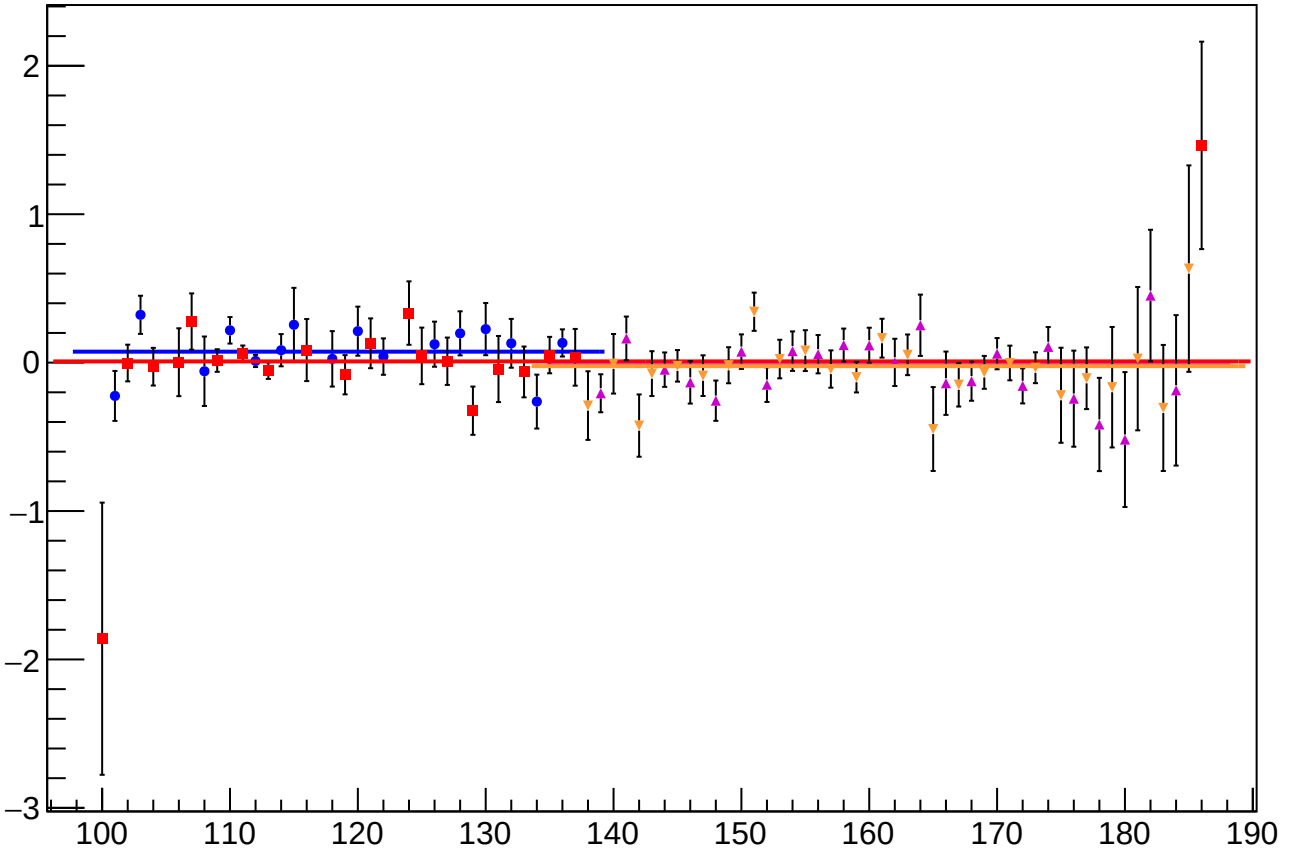
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3764801.9/40

All: 0.000+/-0.000 χ^2/NDF: 7586409.9/83

- sign 0.000+/-0.000 χ^2/NDF: 3804366.9/42

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.008+/-0.027 χ^2/NDF: 20.8/19

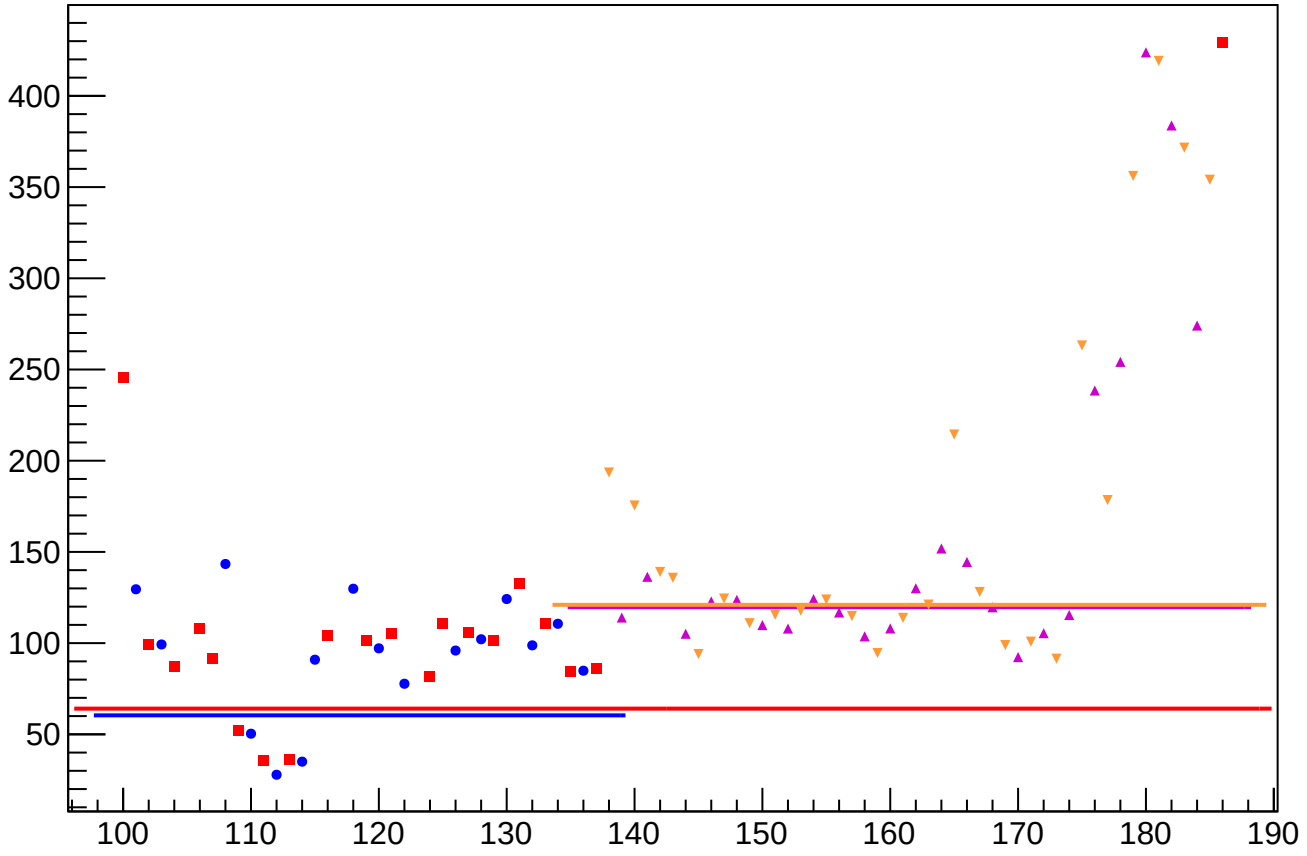
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.030+/-0.020 χ^2/NDF: 47.0/40

All: 0.013+/-0.014 χ^2/NDF: 92.7/83

- sign -0.004+/-0.020 χ^2/NDF: 44.2/42

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 64.091+/-0.019 χ^2/NDF: 3201216.4/19

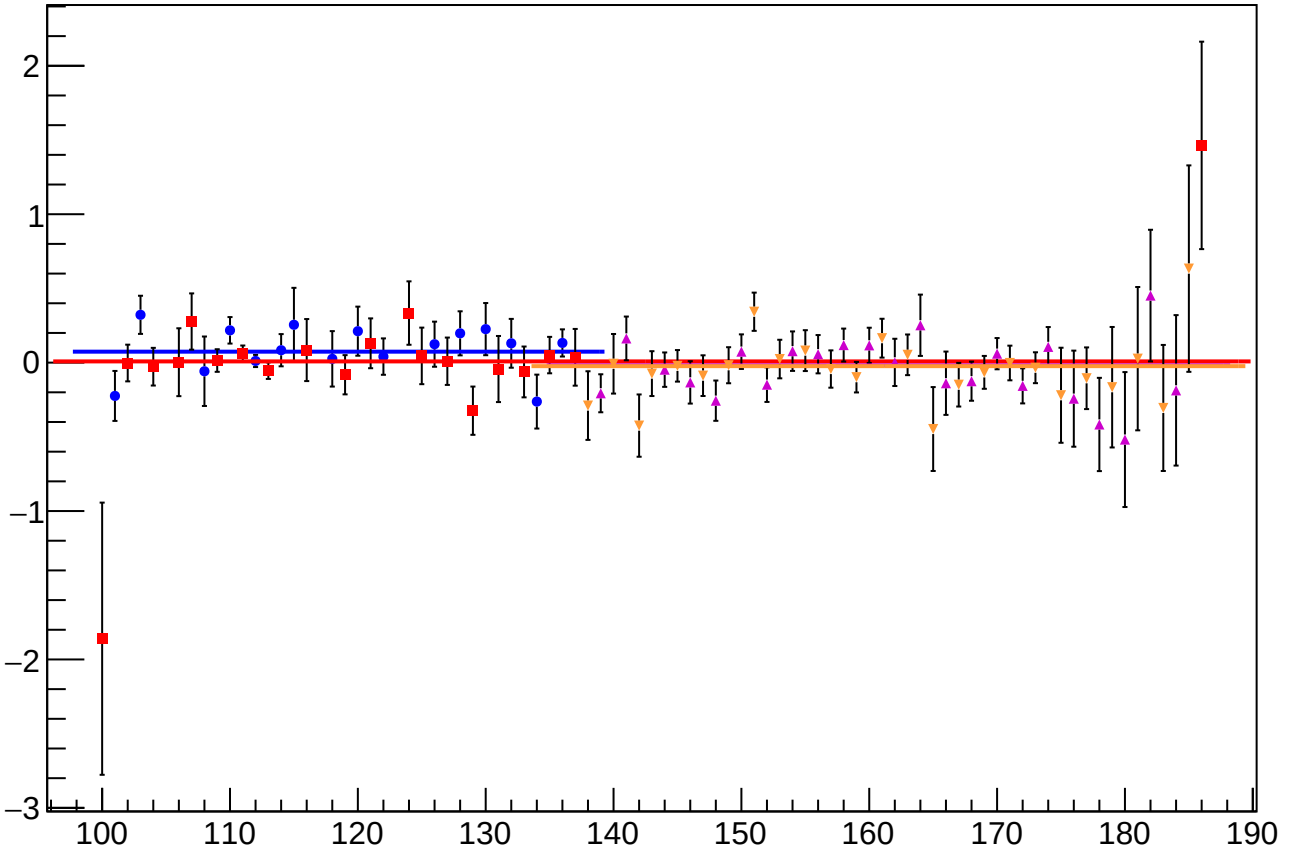
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 87.630+/-0.014 χ^2/NDF: 12156180.0/40

All: 88.099+/-0.010 χ^2/NDF: 21983769.1/83

- sign 88.570+/-0.014 χ^2/NDF: 9825393.8/42

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.008+/-0.027 χ^2/NDF: 20.8/19

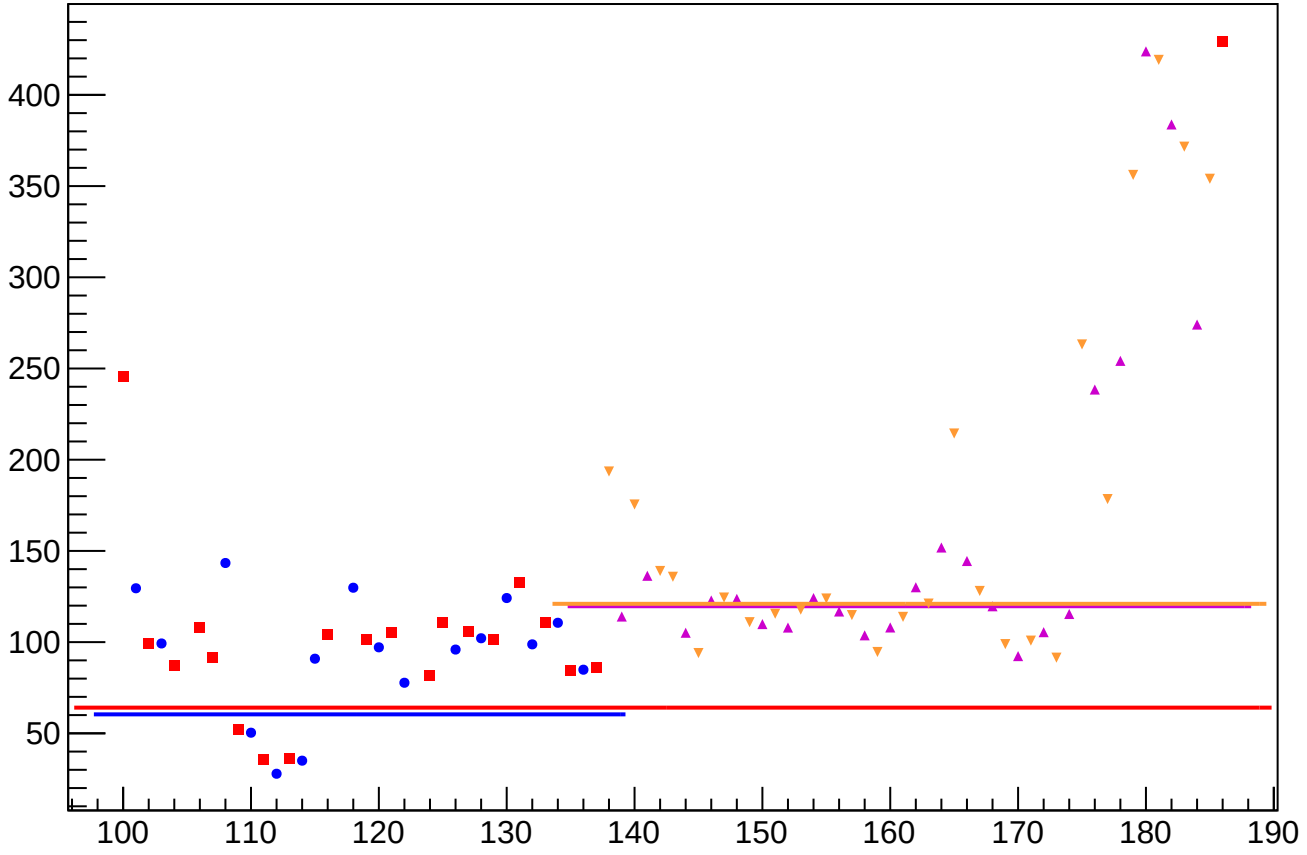
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.030+/-0.020 χ^2/NDF: 47.0/40

All: 0.013+/-0.014 χ^2/NDF: 92.7/83

- sign -0.004+/-0.020 χ^2/NDF: 44.2/42

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

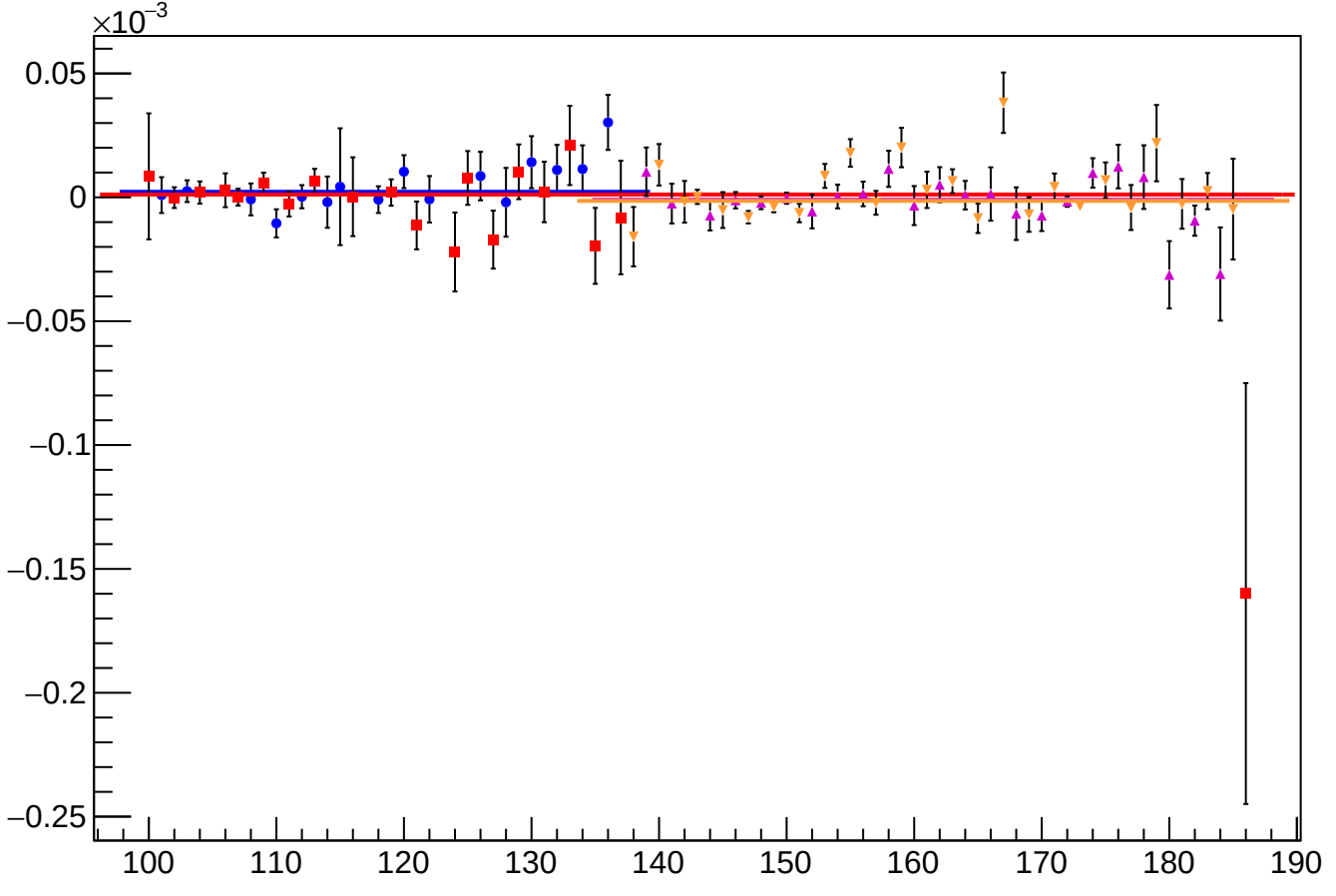
Right Out: 64.091+/-0.019 χ^2/NDF: 3201216.4/19

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 87.630+/-0.014 χ^2/NDF: 12156180.0/40

All: 88.099+/-0.010 χ^2/NDF: 21983769.1/83

- sign 88.570+/-0.014 χ^2/NDF: 9825393.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.7/19

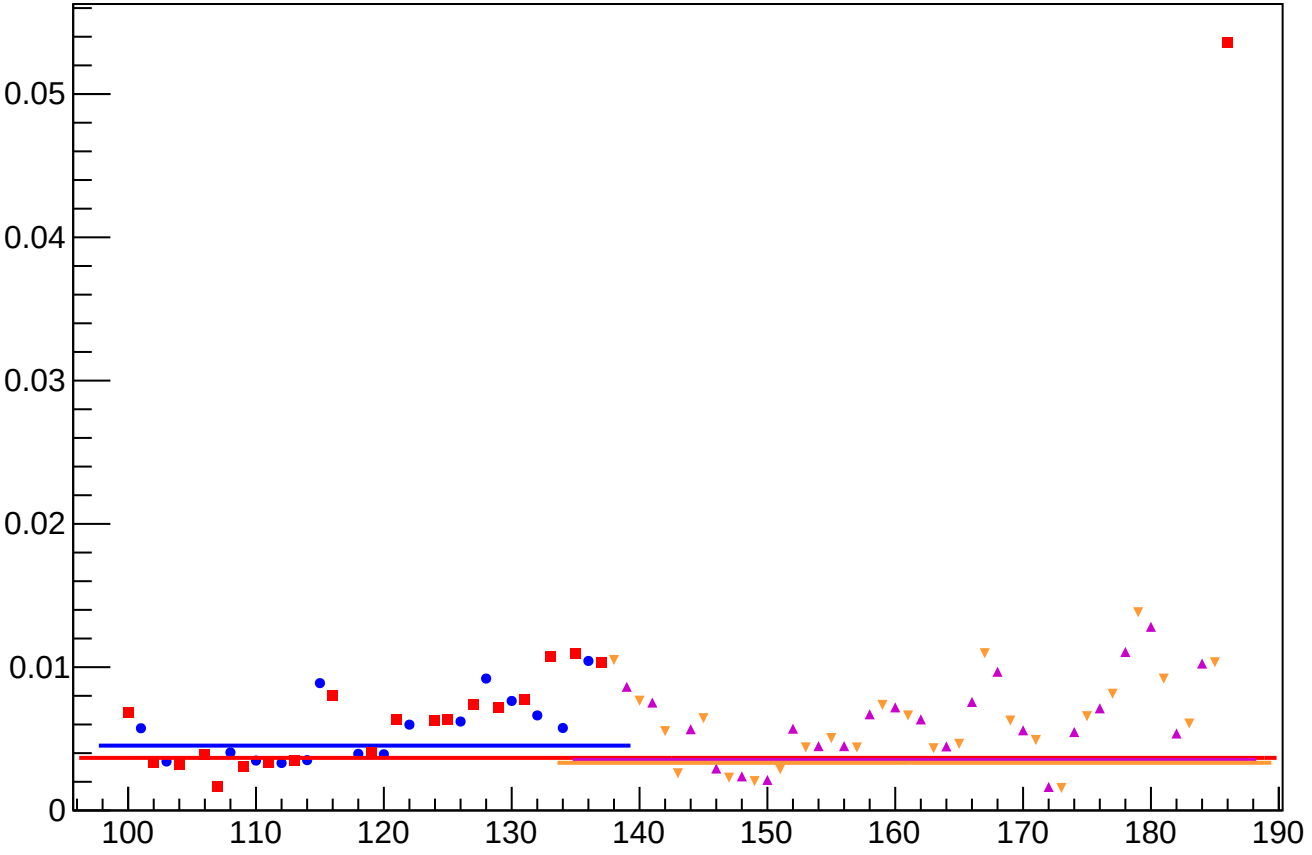
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.2/40

All: -0.000+/-0.000 χ^2/NDF: 124.8/83

- 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: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3624865.3/19

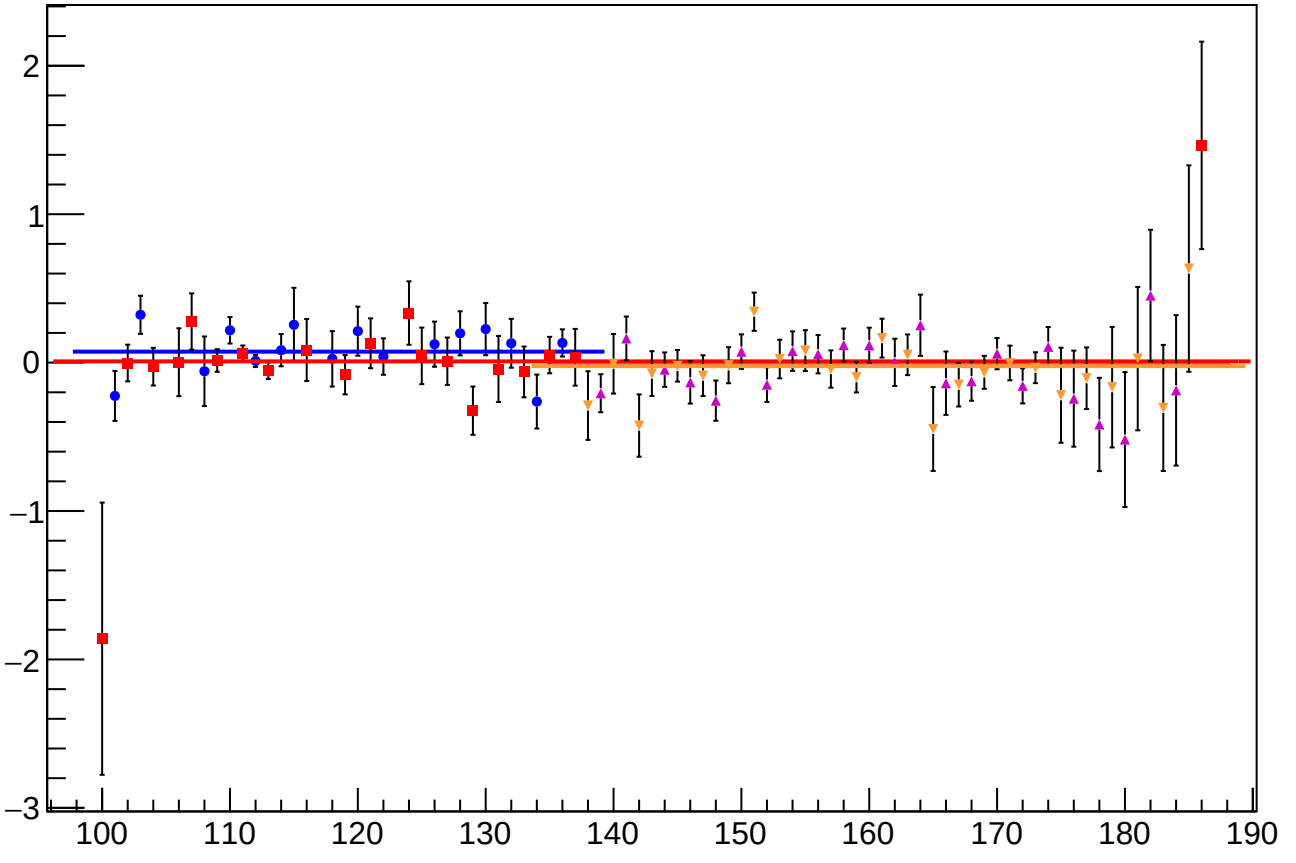
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 12908290.5/40

All: 0.004+/-0.000 χ^2/NDF: 25972965.6/83

- sign 0.004+/-0.000 χ^2/NDF: 13064670.6/42

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.008+/-0.027 χ^2/NDF: 20.8/19

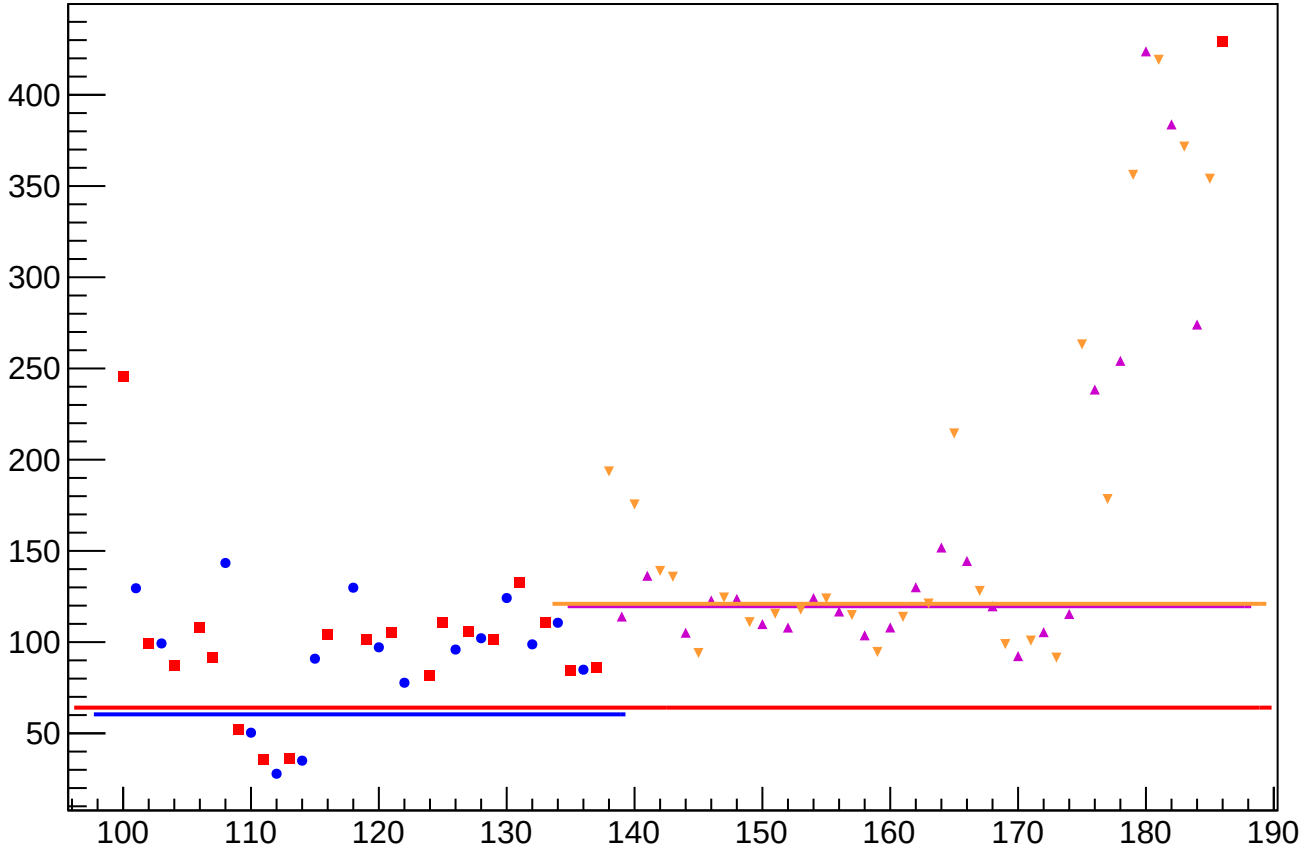
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.030+/-0.020 χ^2/NDF: 47.0/40

All: 0.013+/-0.014 χ^2/NDF: 92.7/83

- sign -0.004+/-0.020 χ^2/NDF: 44.2/42

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

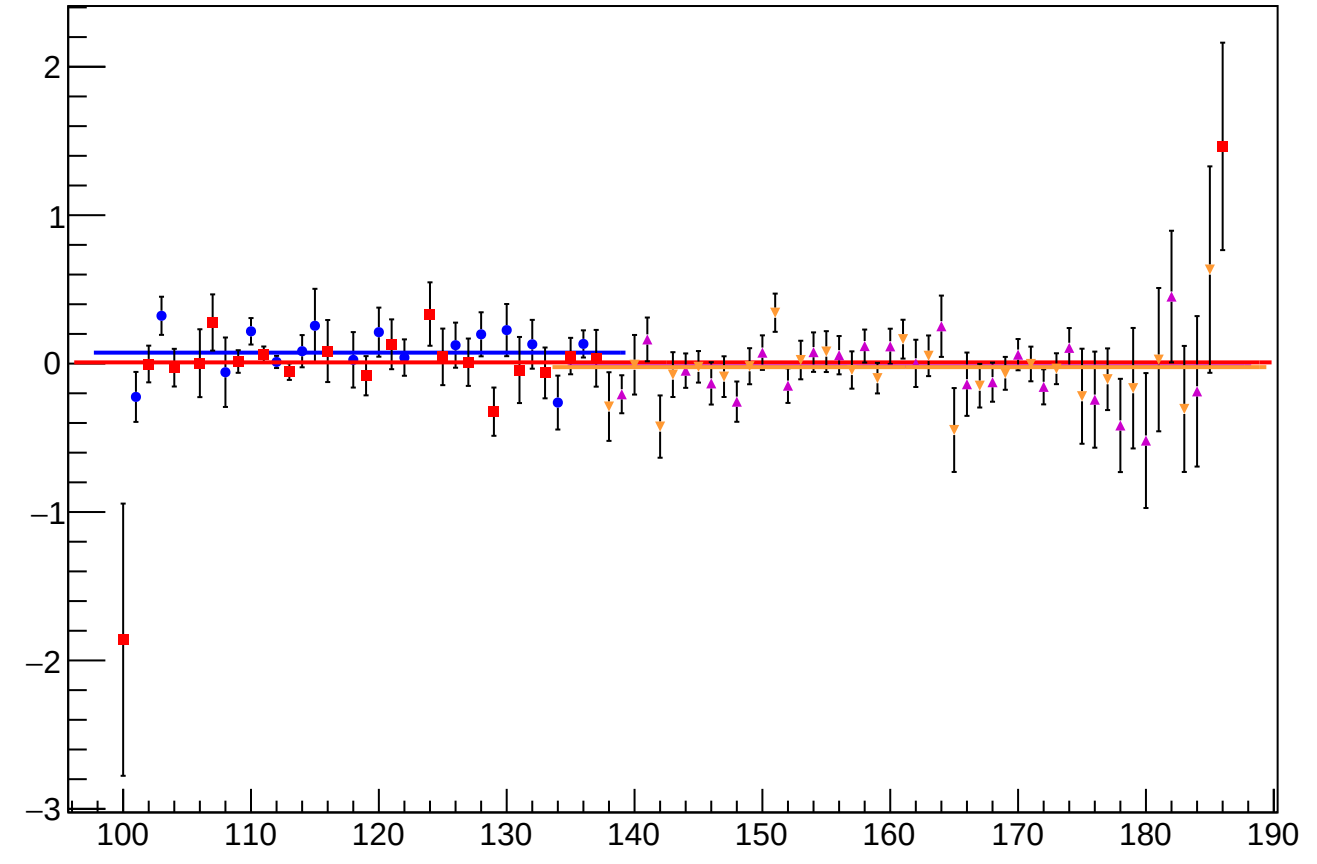
Right Out: 64.089+/-0.019 χ^2/NDF: 3201478.5/19

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 87.628+/-0.014 χ^2/NDF: 12156893.4/40

All: 88.098+/-0.010 χ^2/NDF: 21985084.9/83

- sign 88.568+/-0.014 χ^2/NDF: 9825994.6/42



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.008+/-0.027 χ^2/NDF: 20.8/19

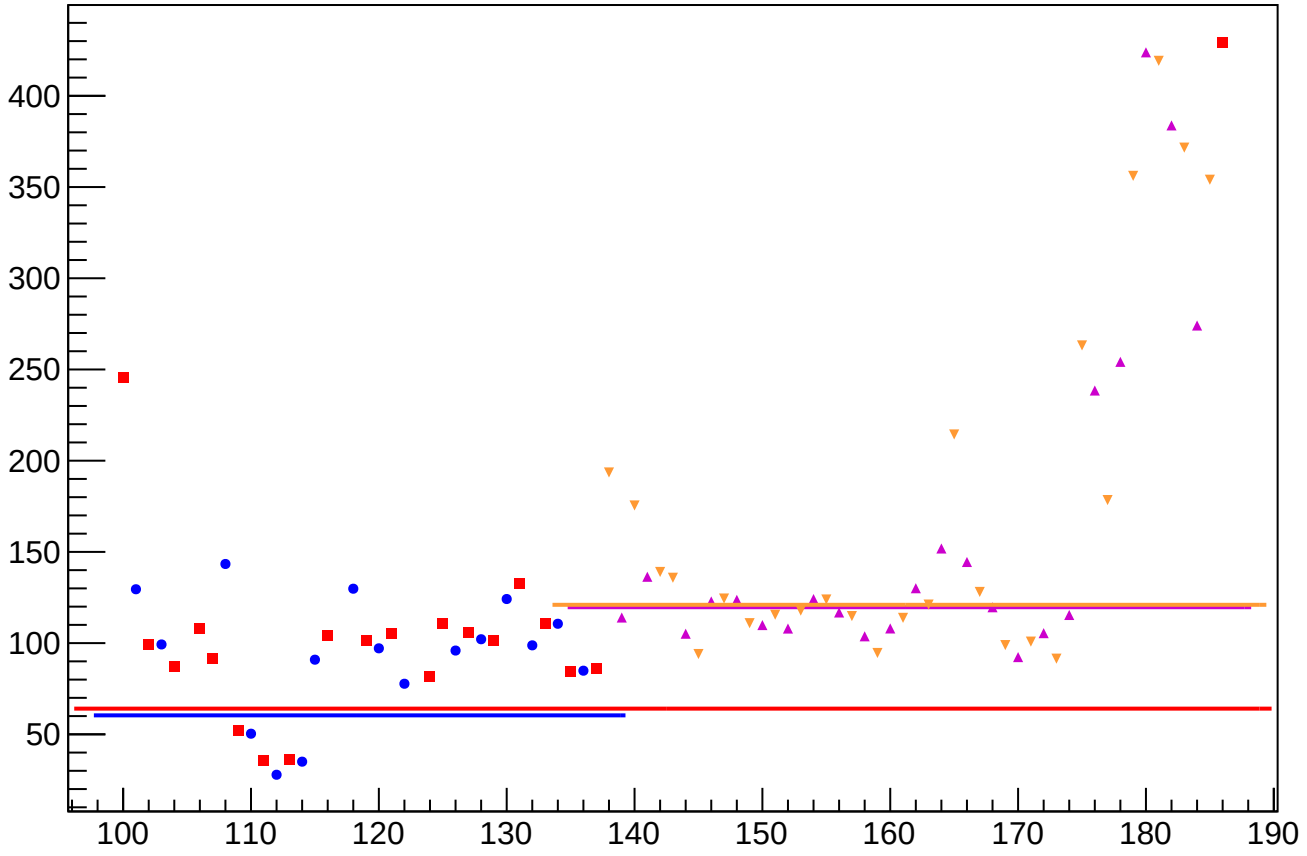
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.030+/-0.020 χ^2/NDF: 47.0/40

All: 0.013+/-0.014 χ^2/NDF: 92.7/83

- sign -0.004+/-0.020 χ^2/NDF: 44.2/42

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 64.089+/-0.019 χ^2/NDF: 3201478.5/19

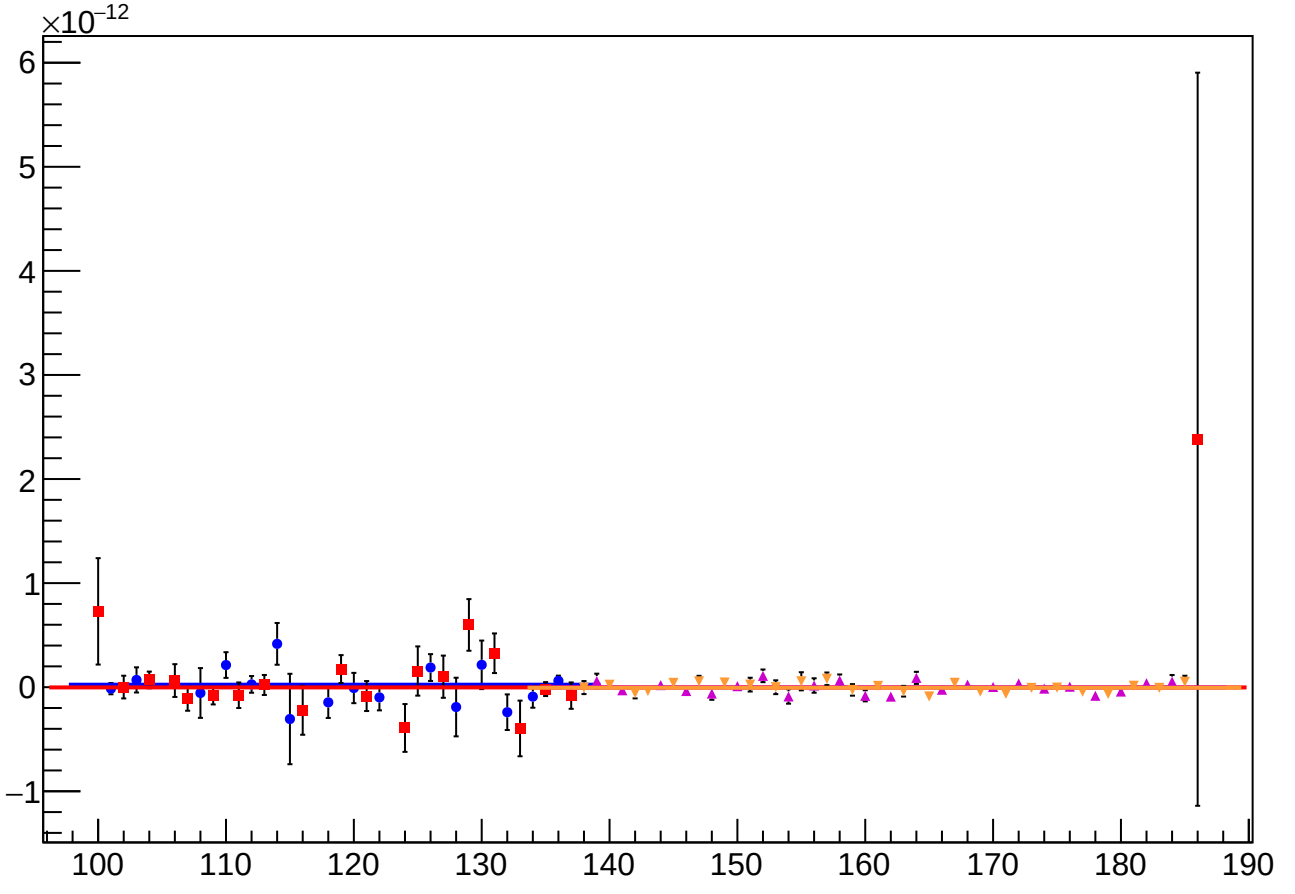
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 87.628+/-0.014 χ^2/NDF: 12156893.4/40

All: 88.098+/-0.010 χ^2/NDF: 21985084.9/83

- 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: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

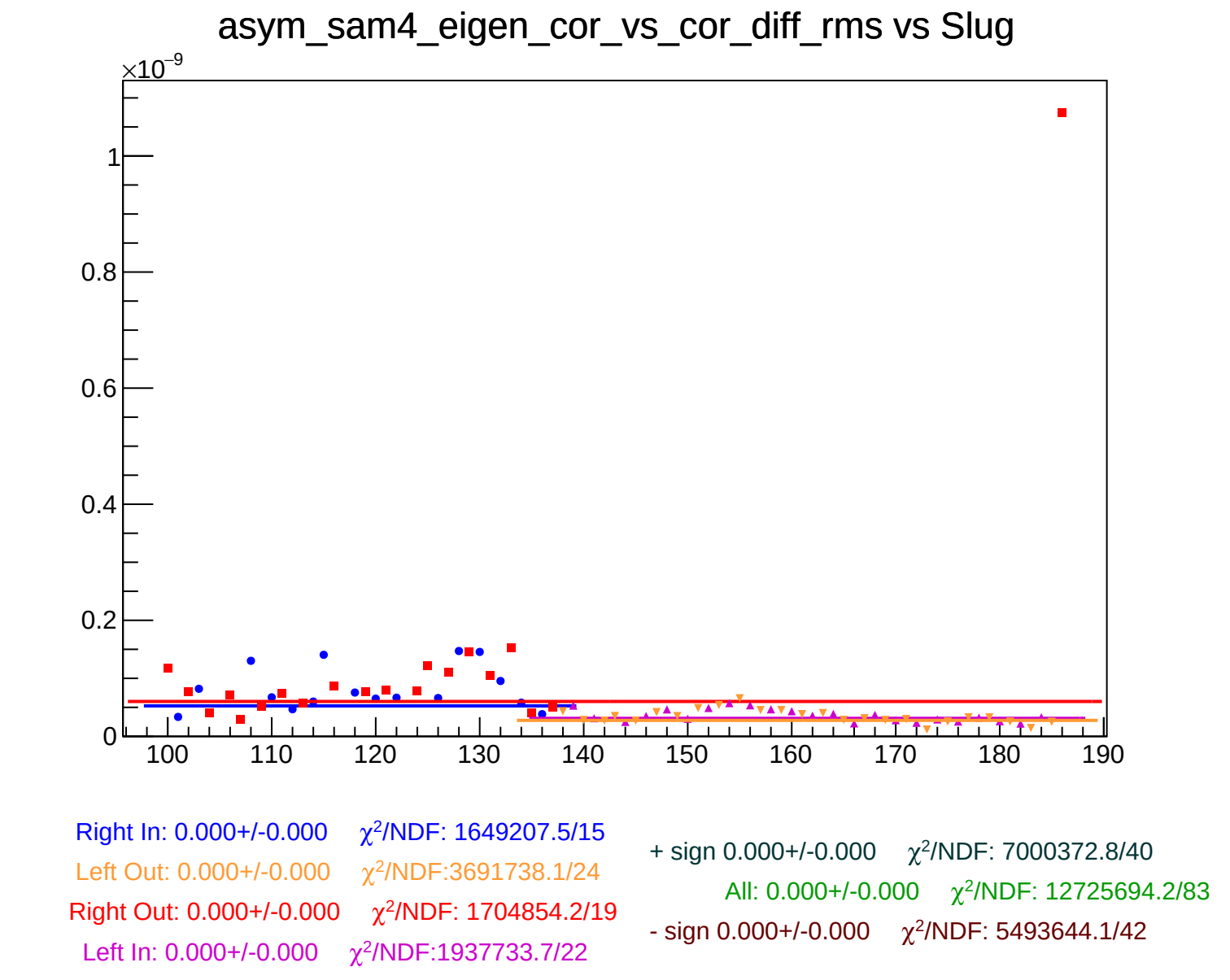
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/19

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

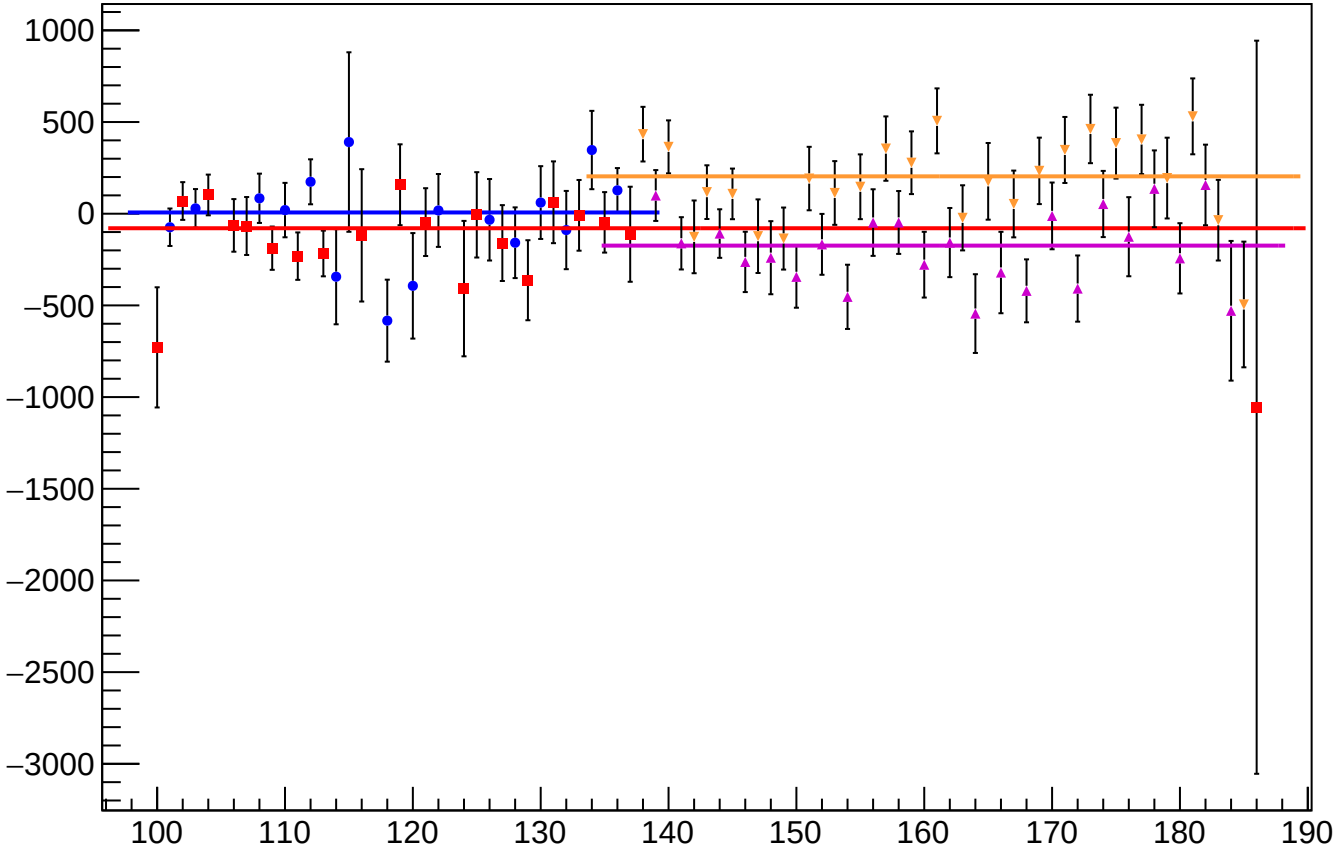
+ sign -0.000+/-0.000 χ^2/NDF: 40.2/40

All: -0.000+/-0.000 χ^2/NDF: 91.4/83

- 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: 1649207.5/15
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: 7000372.8/40
All: 0.000+/-0.000 χ²/NDF: 12725694.2/83
- sign 0.000+/-0.000 χ²/NDF: 5493644.1/42

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -79.234+/-37.899 χ^2/NDF: 16.9/19

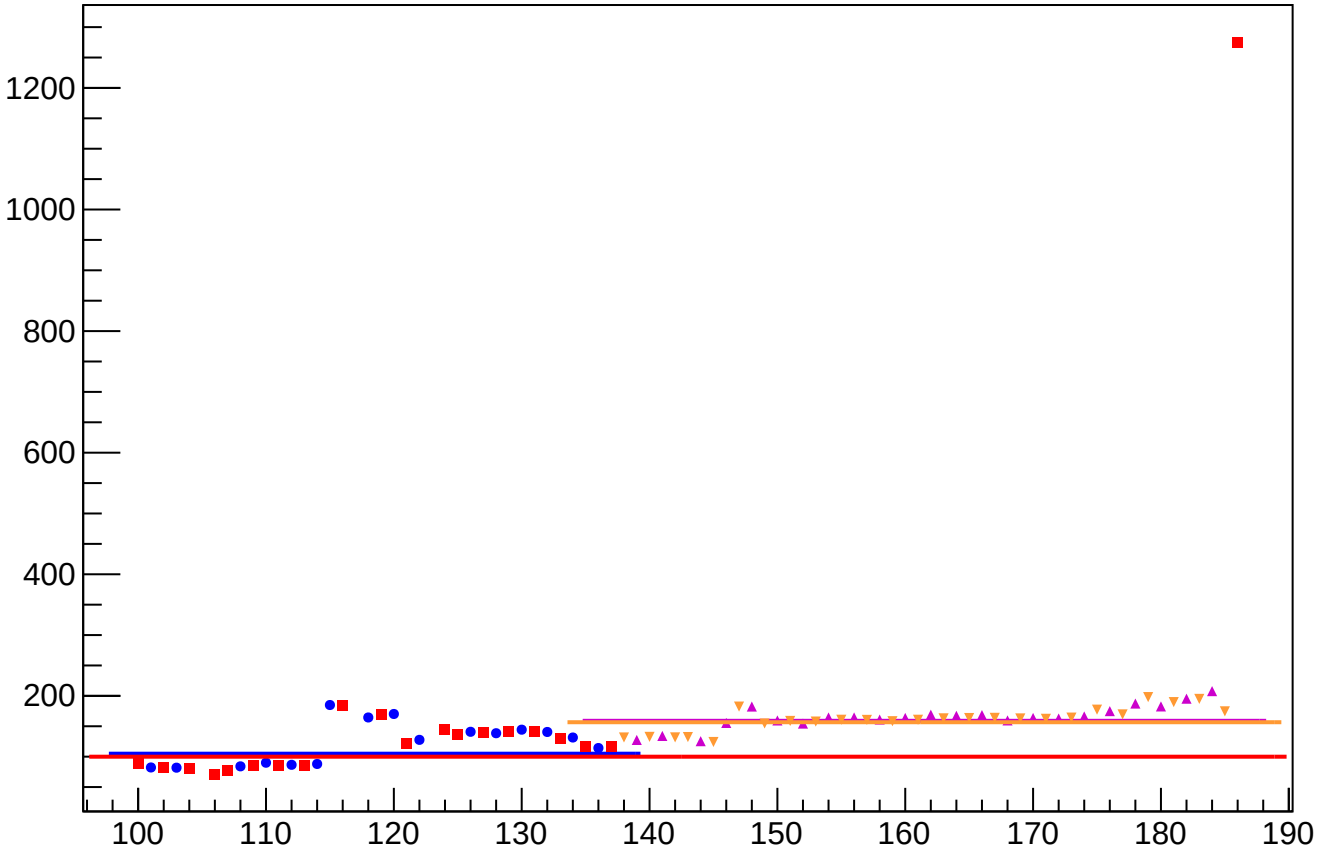
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 116.808+/-26.813 χ^2/NDF: 65.0/40

All: -6.077+/-18.892 χ^2/NDF: 151.3/83

- sign -127.225+/-26.622 χ^2/NDF: 44.6/42

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 99.930+/-0.027 χ^2/NDF: 1729954.8/19

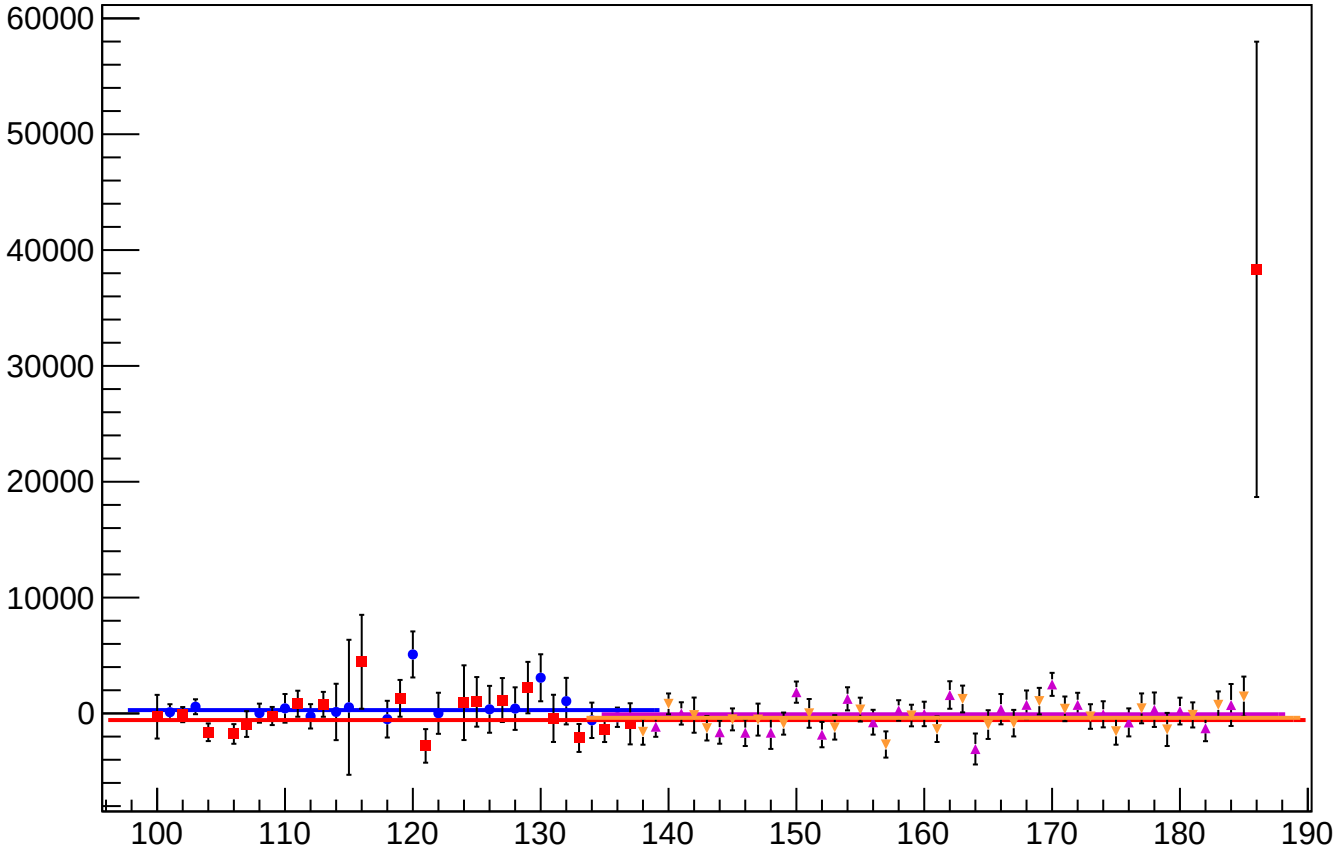
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 133.778+/-0.019 χ^2/NDF: 3352712.8/40

All: 131.789+/-0.013 χ^2/NDF: 8072950.2/83

- sign 129.828+/-0.019 χ^2/NDF: 4698377.8/42

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -573.886+/-269.750 χ^2/NDF: 22.7/19

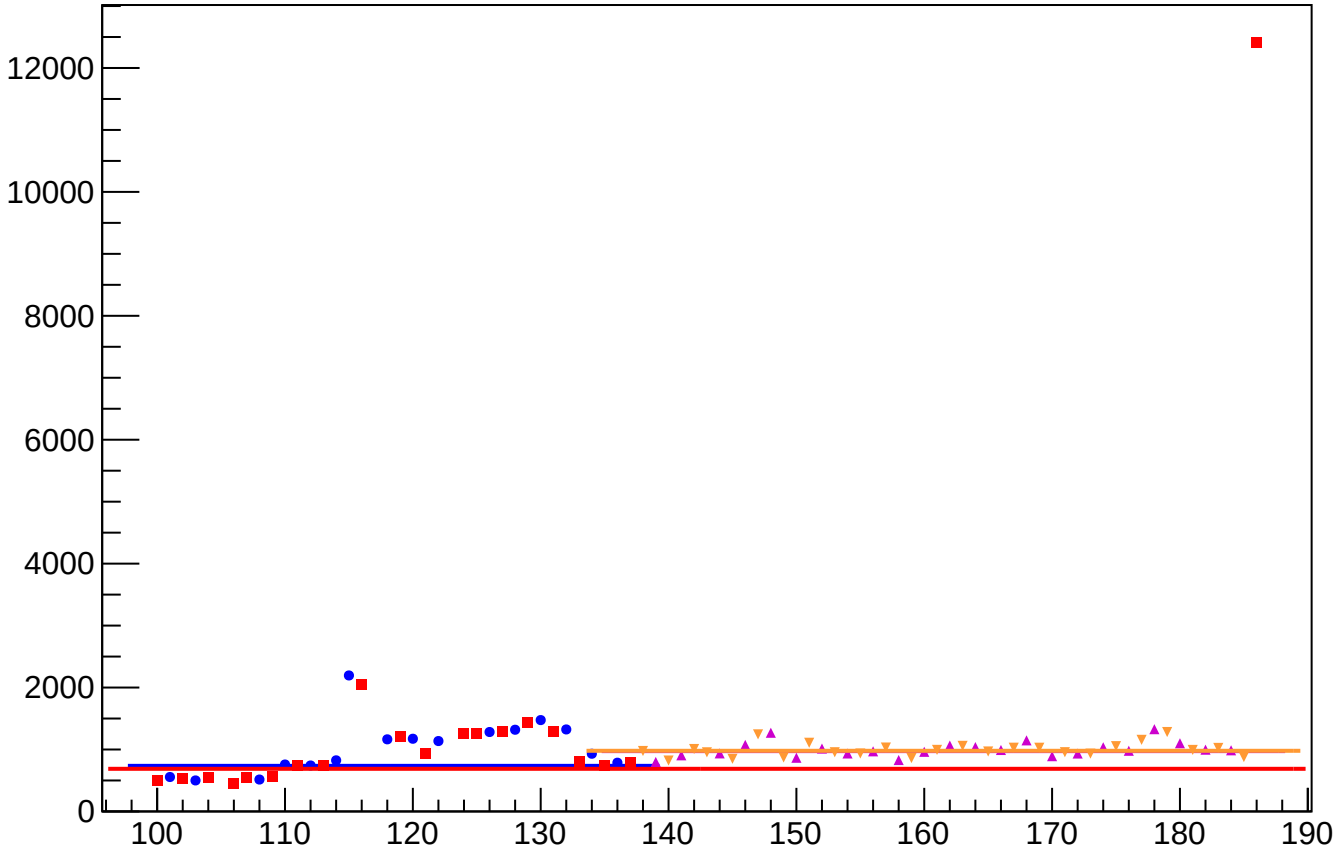
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -134.163+/-178.337 χ^2/NDF: 31.7/40

All: -210.765+/-124.879 χ^2/NDF: 89.8/83

- sign -284.463+/-174.924 χ^2/NDF: 57.7/42

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 688.316+/-0.191 χ^2/NDF: 2529968.7/19

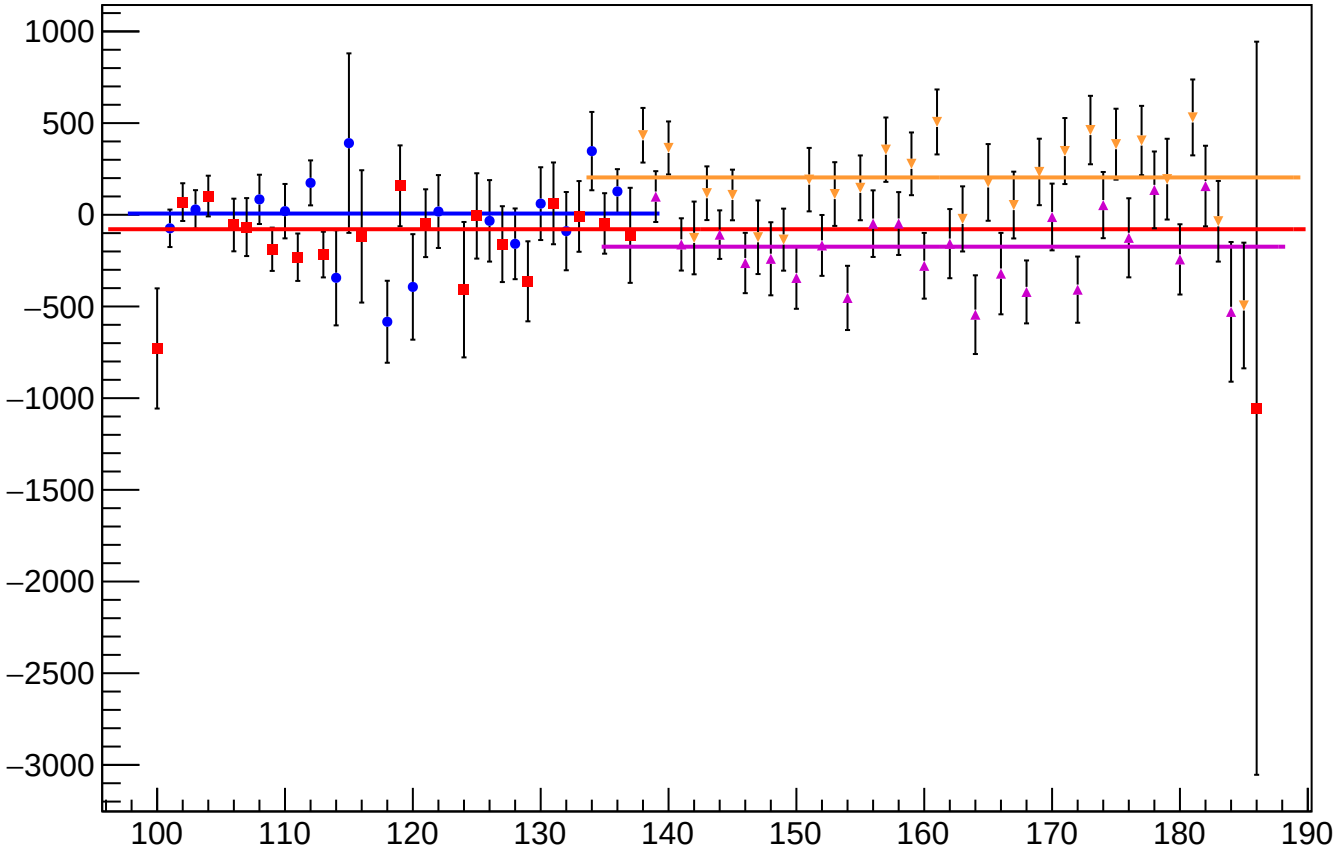
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 889.368+/-0.126 χ^2/NDF: 3139350.1/40

All: 871.221+/-0.088 χ^2/NDF: 7506859.2/83

- sign 853.761+/-0.124 χ^2/NDF: 4326872.8/42

cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -78.698+/-37.902 χ^2/NDF: 16.9/19

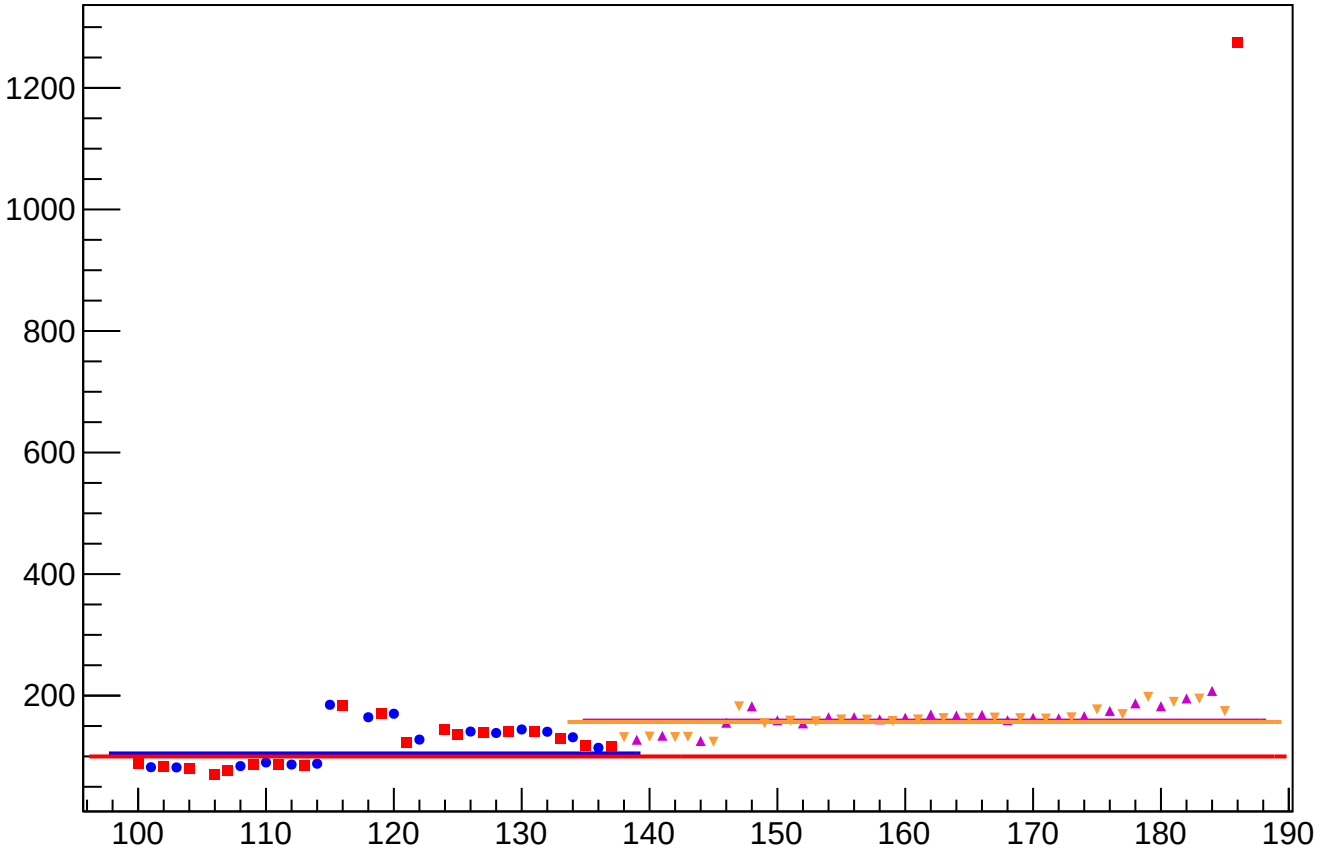
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 116.806+/-26.813 χ^2/NDF: 65.0/40

All: -5.944+/-18.892 χ^2/NDF: 151.2/83

- sign -126.967+/-26.623 χ^2/NDF: 44.7/42

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 99.906+/-0.027 χ^2/NDF: 1732169.8/19

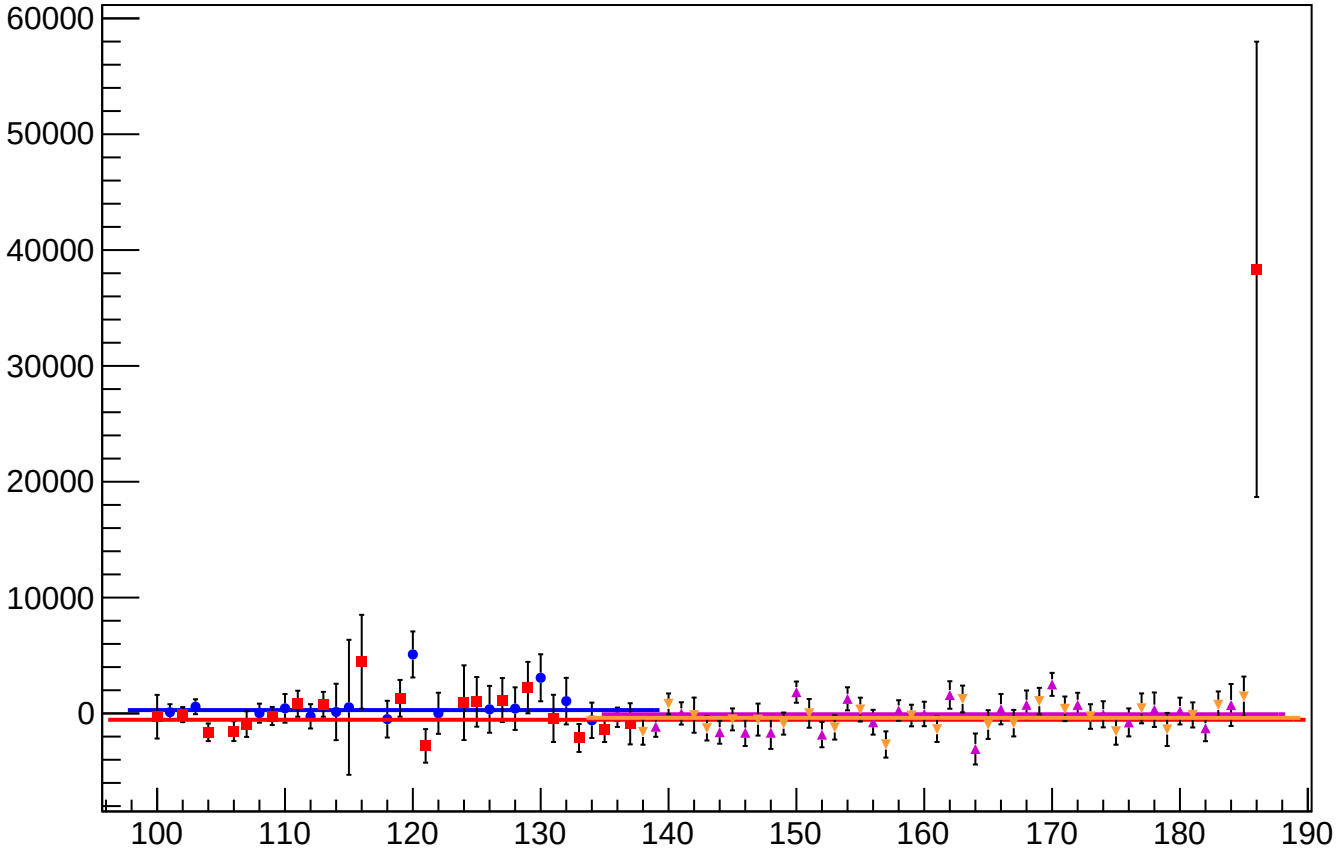
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 133.778+/-0.019 χ^2/NDF: 3352710.8/40

All: 131.784+/-0.013 χ^2/NDF: 8077077.2/83

- sign 129.818+/-0.019 χ^2/NDF: 4702400.2/42

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -548.100+/-269.928 χ^2/NDF: 21.9/19

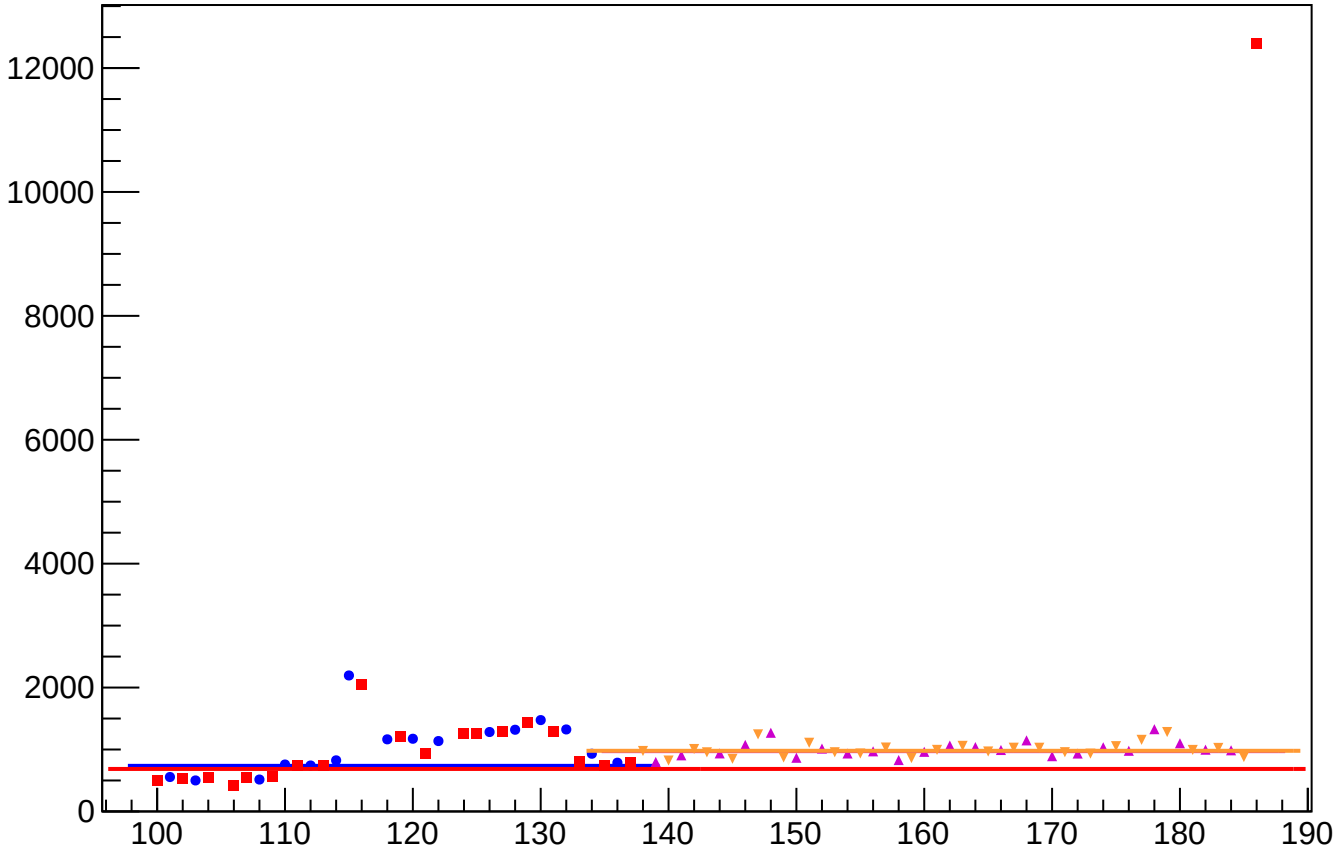
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -134.154+/-178.337 χ^2/NDF: 31.7/40

All: -205.136+/-124.897 χ^2/NDF: 88.8/83

- sign -273.466+/-174.973 χ^2/NDF: 56.8/42

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

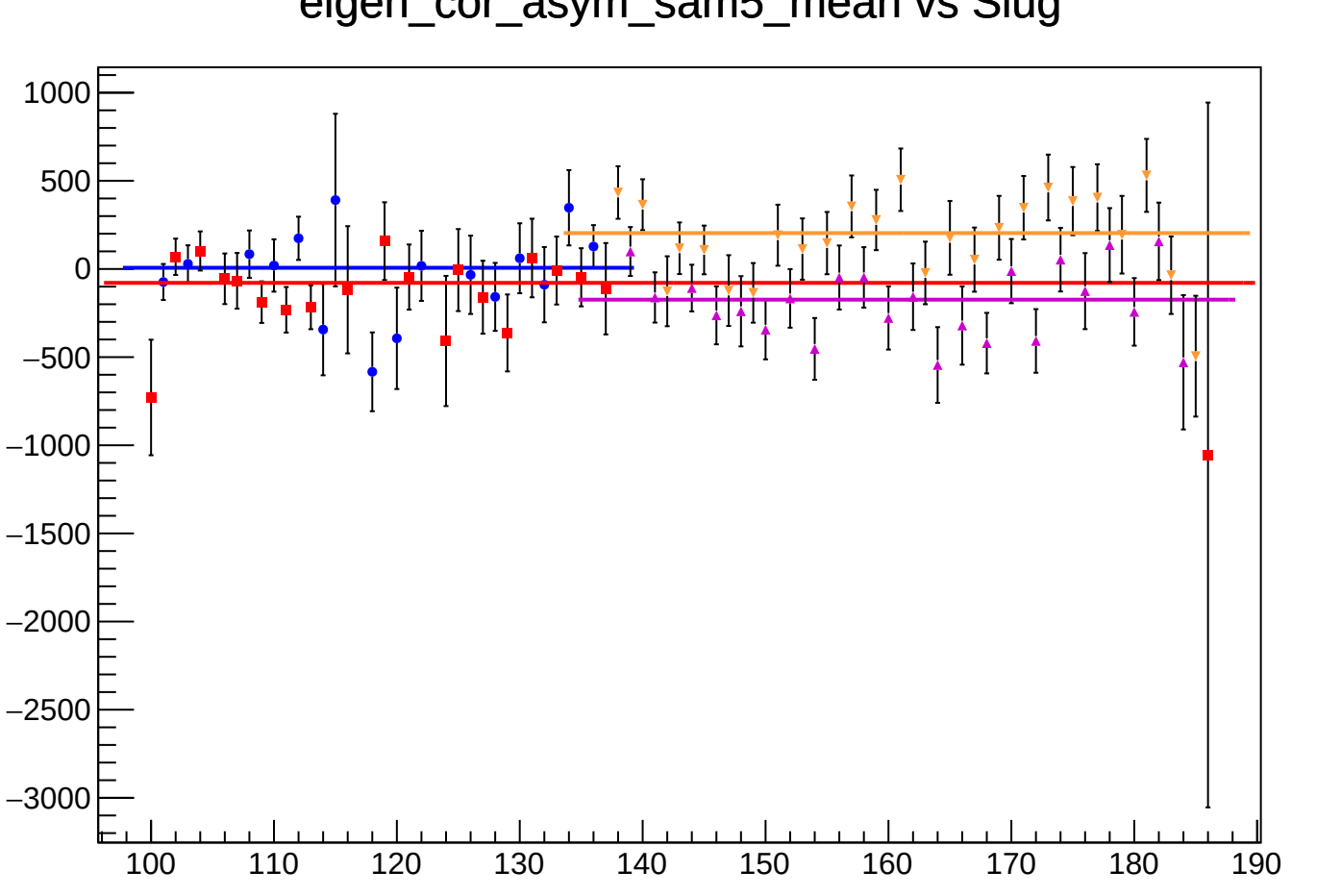
Right Out: 686.191+/-0.191 χ^2/NDF: 2561452.9/19

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 889.368+/-0.126 χ^2/NDF: 3139357.1/40

All: 870.817+/-0.088 χ^2/NDF: 7558571.7/83

- sign 852.960+/-0.124 χ^2/NDF: 4376742.1/42



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -78.698+/-37.902 χ^2/NDF: 16.9/19

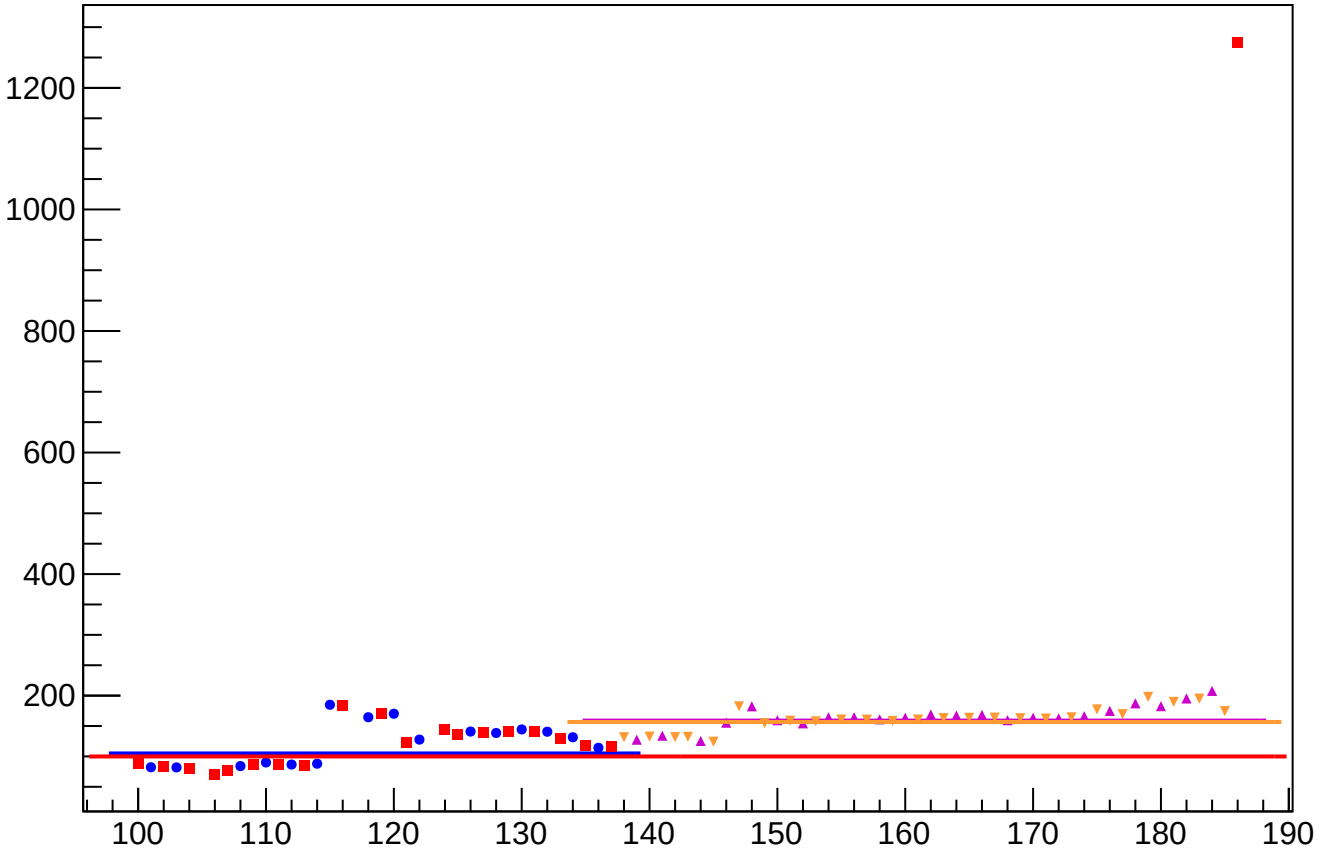
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 116.806+/-26.813 χ^2/NDF: 65.0/40

All: -5.944+/-18.892 χ^2/NDF: 151.2/83

- sign -126.967+/-26.623 χ^2/NDF: 44.7/42

eigen_cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 99.906+/-0.027 χ^2/NDF: 1732169.8/19

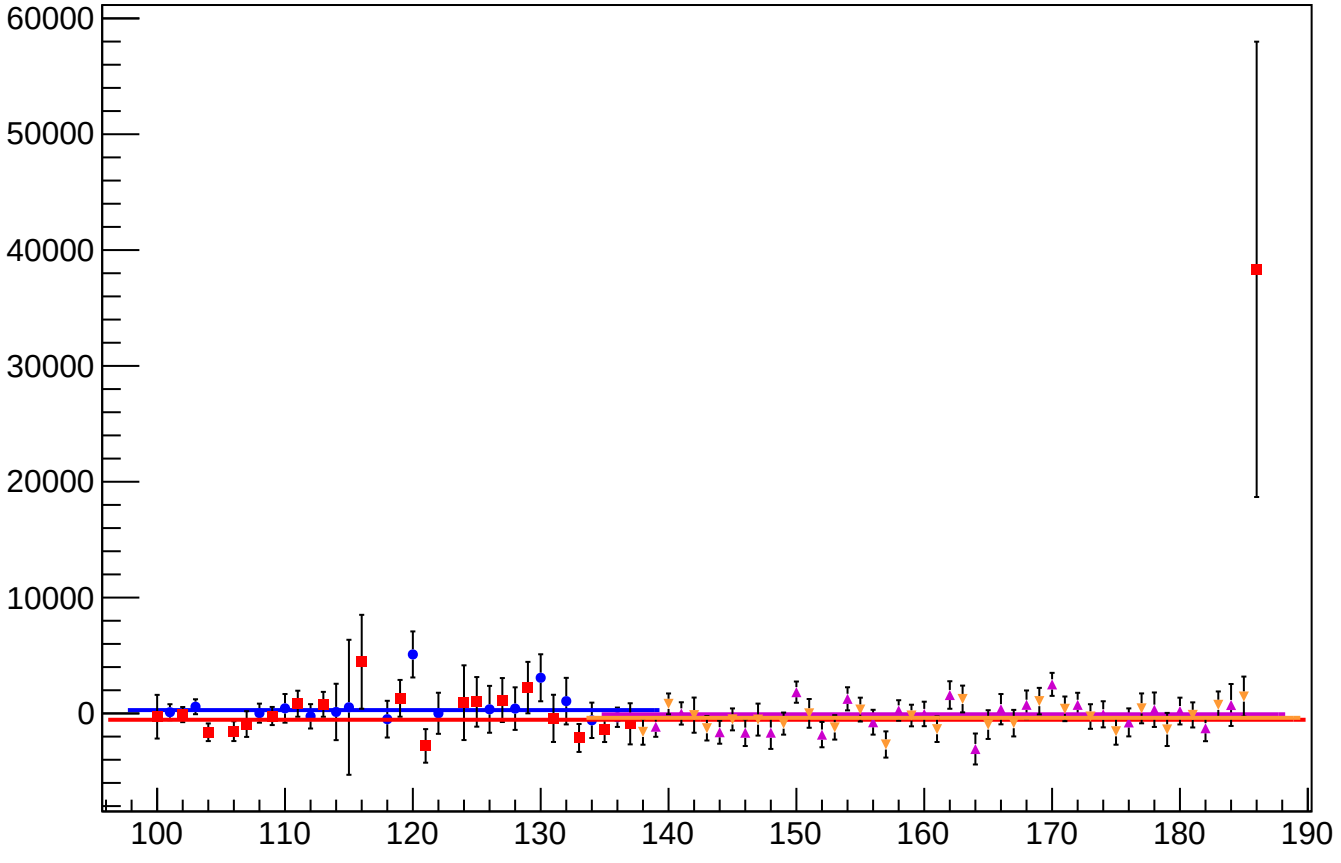
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 133.778+/-0.019 χ^2/NDF: 3352710.8/40

All: 131.784+/-0.013 χ^2/NDF: 8077077.2/83

- sign 129.818+/-0.019 χ^2/NDF: 4702400.2/42

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -548.100+/-269.928 χ^2/NDF: 21.9/19

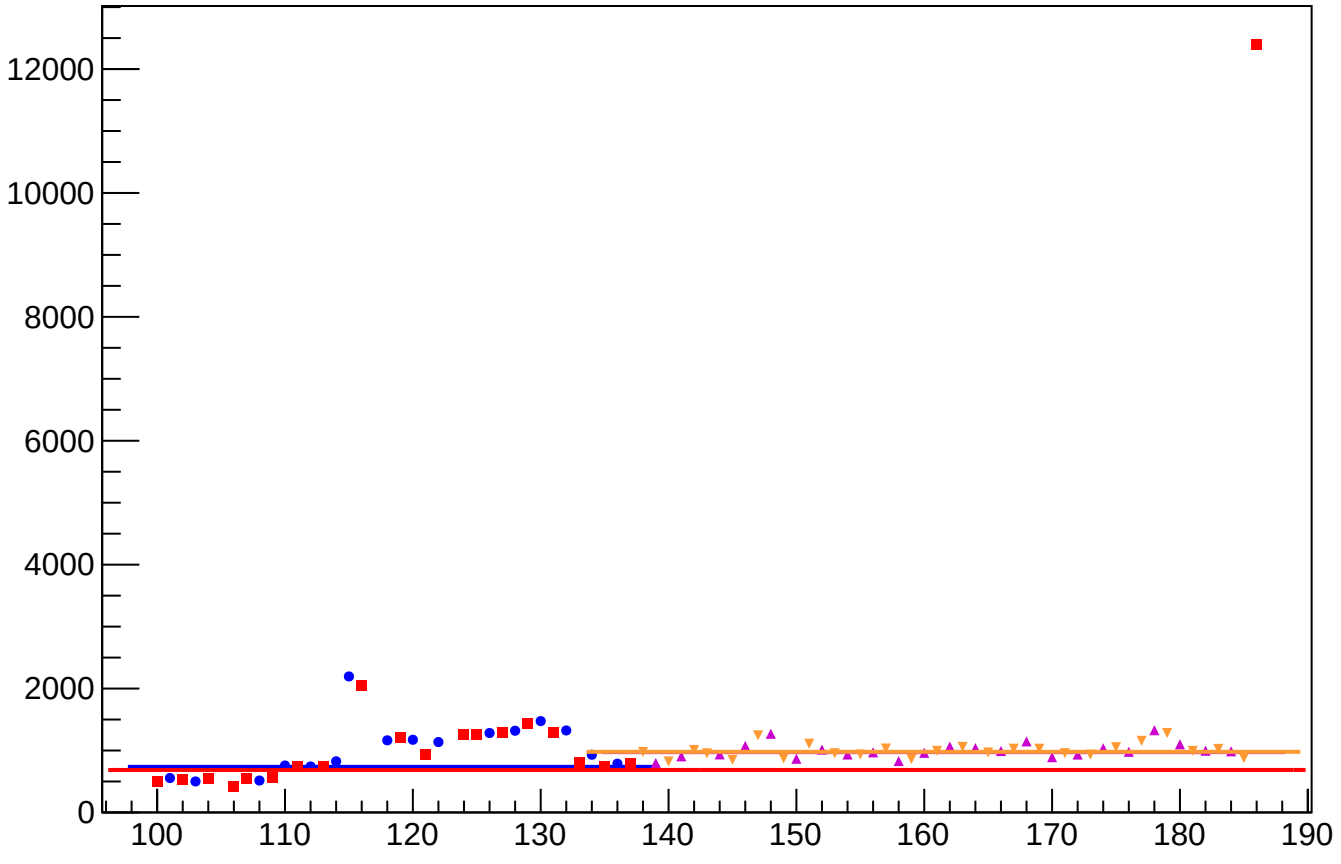
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -134.154+/-178.337 χ^2/NDF: 31.7/40

All: -205.136+/-124.897 χ^2/NDF: 88.8/83

- sign -273.466+/-174.973 χ^2/NDF: 56.8/42

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 686.191+/-0.191 χ^2/NDF: 2561452.9/19

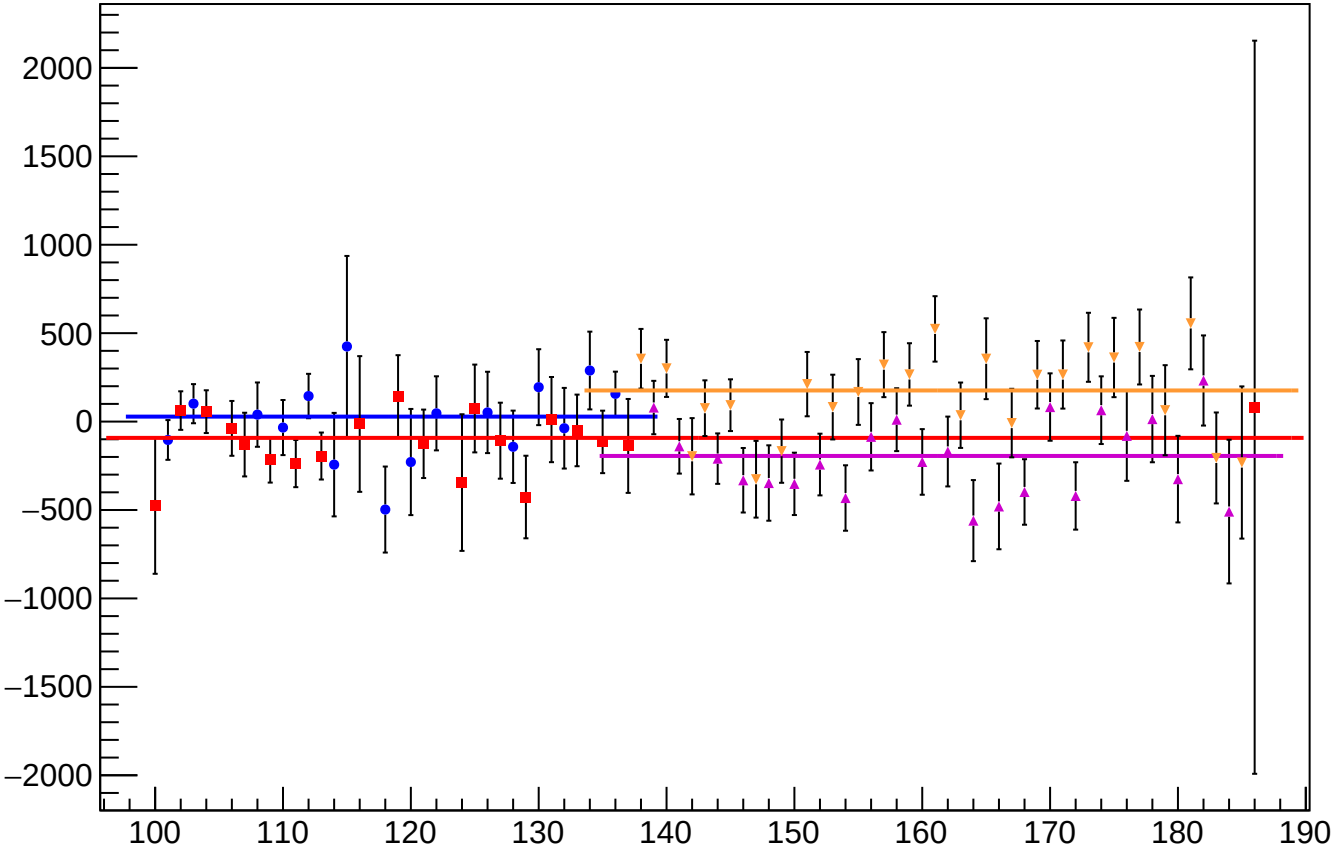
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 889.368+/-0.126 χ^2/NDF: 3139357.1/40

All: 870.817+/-0.088 χ^2/NDF: 7558571.7/83

- sign 852.960+/-0.124 χ^2/NDF: 4376742.1/42

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -92.181+/-40.531 χ^2/NDF: 11.7/19

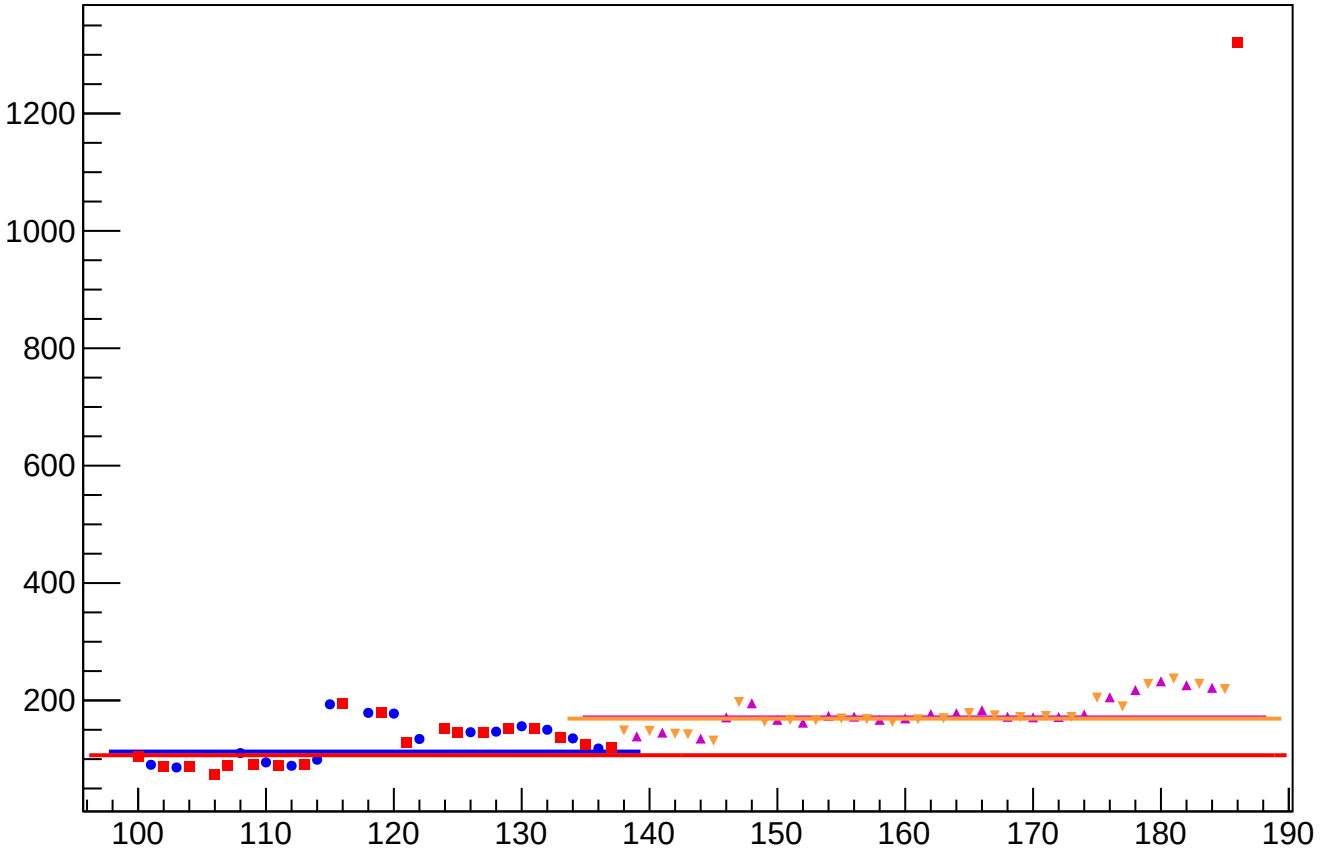
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 110.299+/-28.953 χ^2/NDF: 50.8/40

All: -18.092+/-20.350 χ^2/NDF: 128.4/83

- sign -143.438+/-28.608 χ^2/NDF: 38.7/42

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 106.623+/-0.029 χ^2/NDF: 1688749.9/19

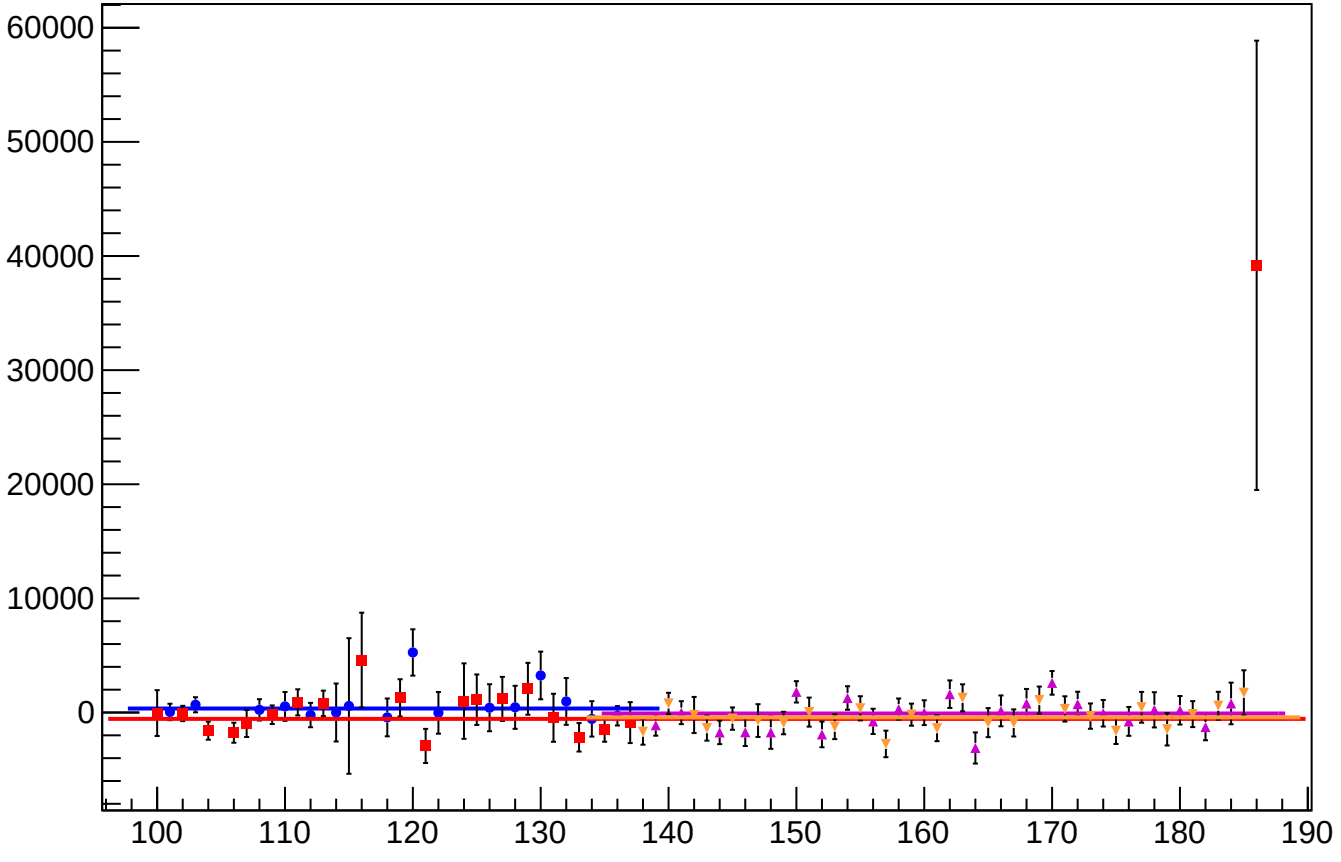
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 144.057+/-0.020 χ^2/NDF: 3504434.7/40

All: 141.468+/-0.014 χ^2/NDF: 8436567.1/83

- sign 138.939+/-0.020 χ^2/NDF: 4900512.3/42

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -558.030+/-279.190 χ^2/NDF: 22.4/19

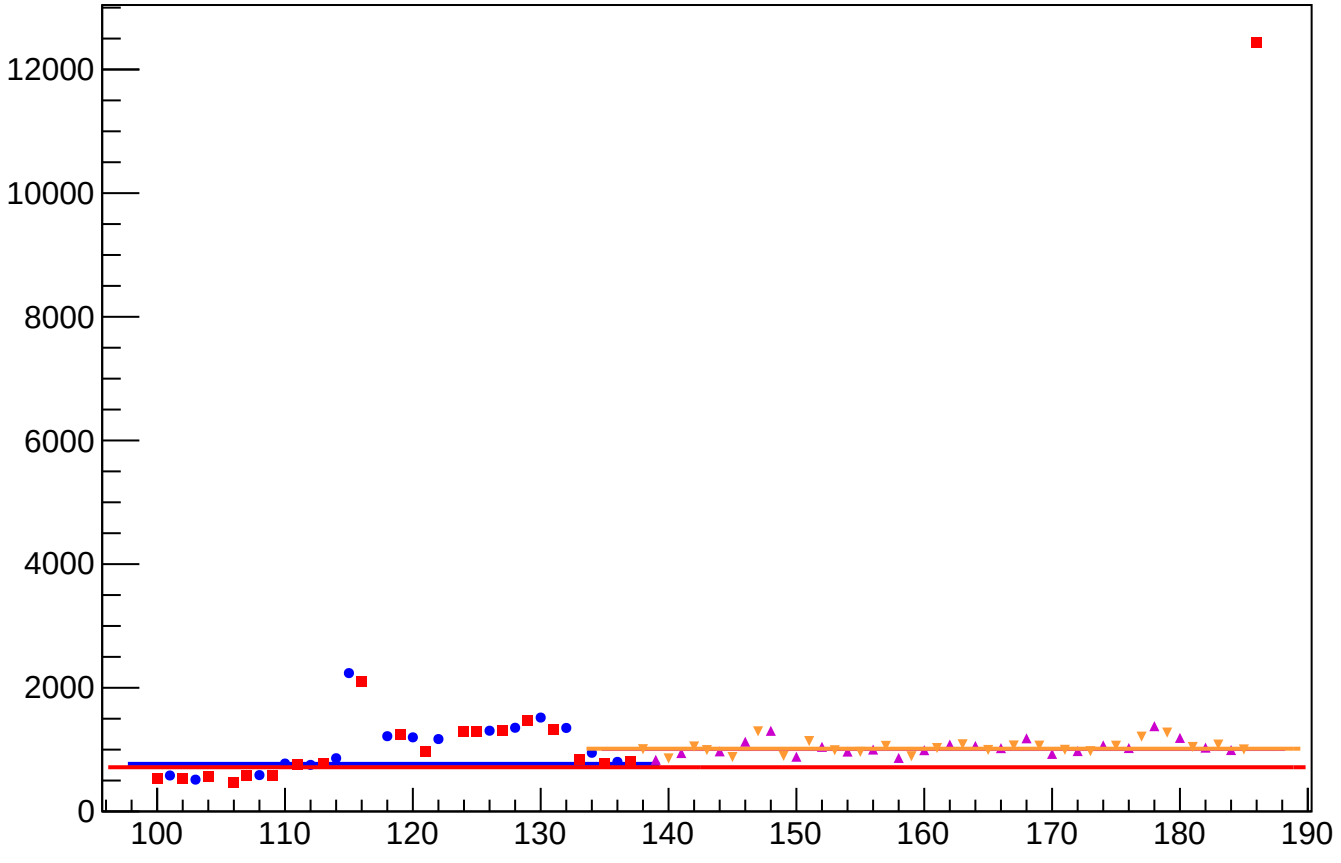
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -141.304+/-185.007 χ^2/NDF: 32.3/40

All: -214.695+/-129.449 χ^2/NDF: 89.0/83

- sign -285.089+/-181.189 χ^2/NDF: 56.4/42

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 714.986+/-0.197 χ^2/NDF: 2475769.2/19

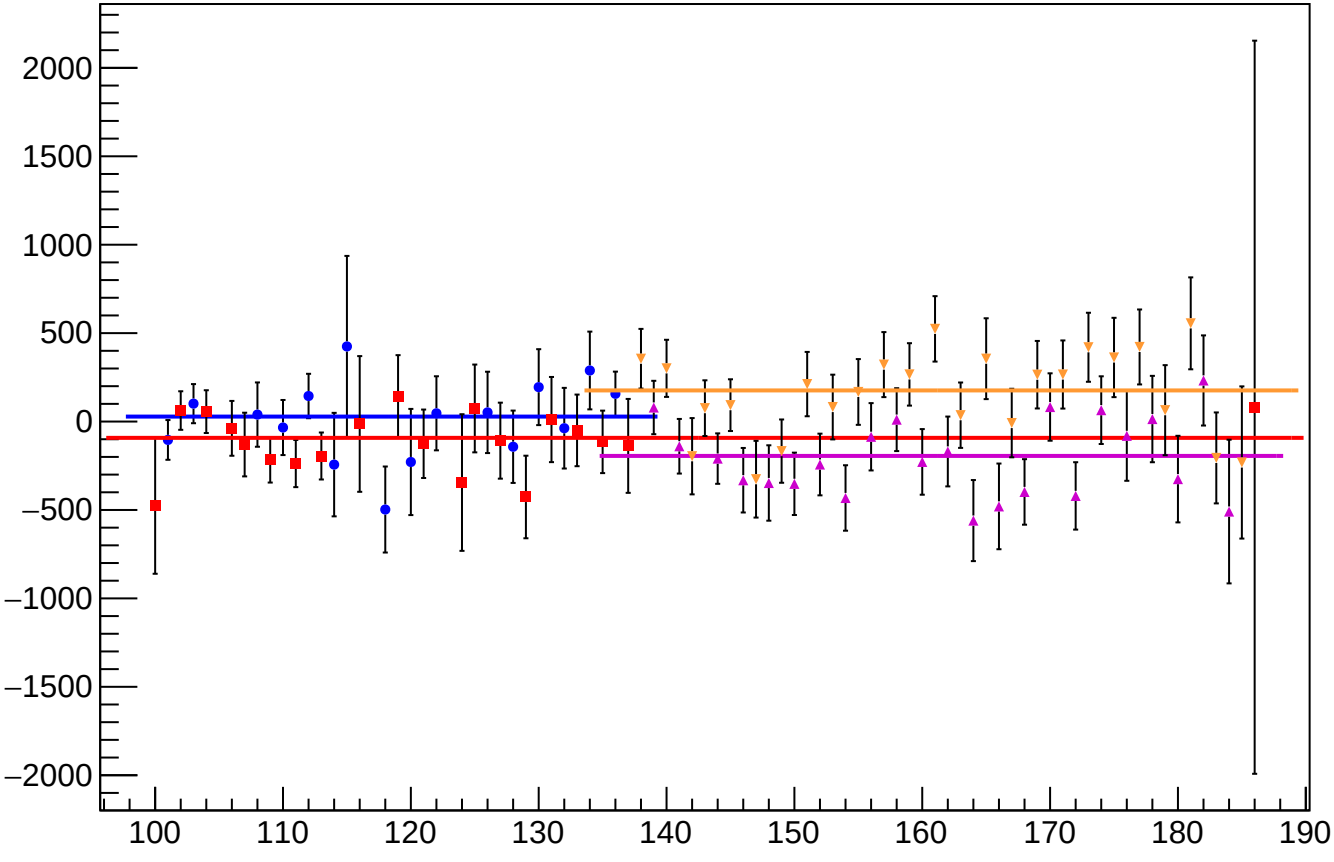
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 924.915+/-0.131 χ^2/NDF: 2956108.0/40

All: 904.826+/-0.092 χ^2/NDF: 7266582.7/83

- sign 885.557+/-0.128 χ^2/NDF: 4264273.1/42

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -92.181+/-40.531 χ^2/NDF: 11.7/19

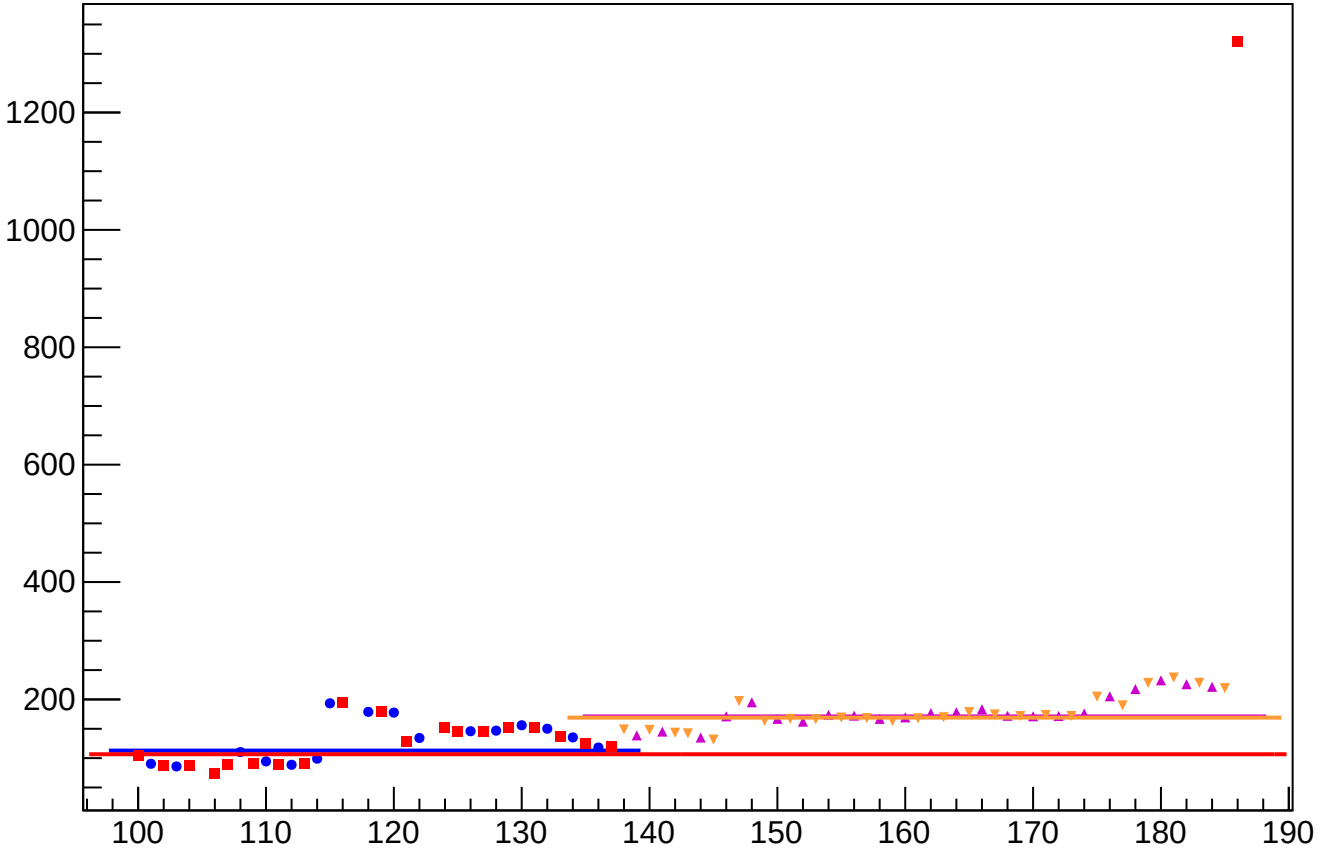
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 110.298+/-28.953 χ^2/NDF: 50.8/40

All: -18.092+/-20.350 χ^2/NDF: 128.4/83

- sign -143.438+/-28.607 χ^2/NDF: 38.7/42

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 106.623+/-0.029 χ^2/NDF: 1688738.2/19

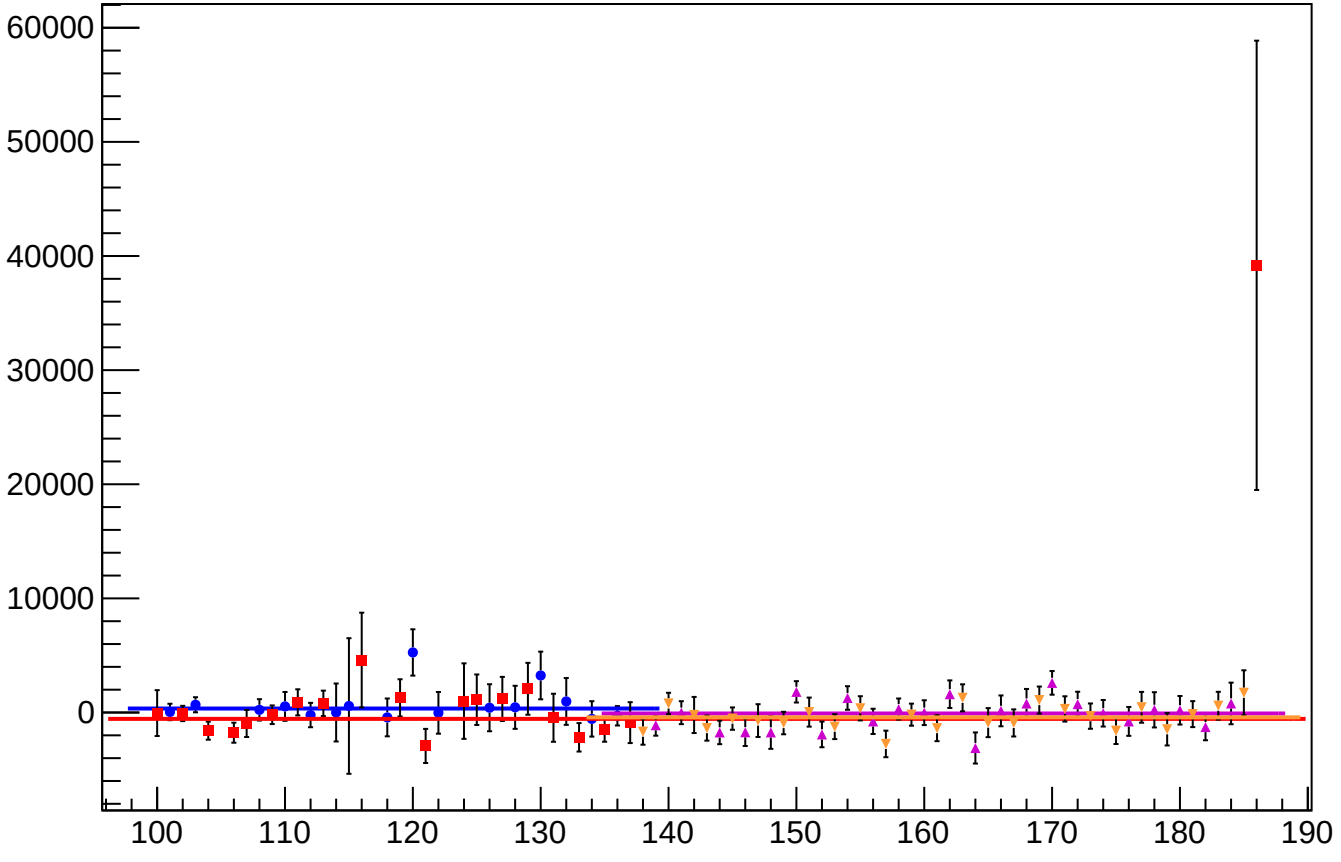
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 144.057+/-0.020 χ^2/NDF: 3504448.6/40

All: 141.467+/-0.014 χ^2/NDF: 8436598.4/83

- sign 138.939+/-0.020 χ^2/NDF: 4900530.5/42

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -558.030+/-279.190 χ^2/NDF: 22.4/19

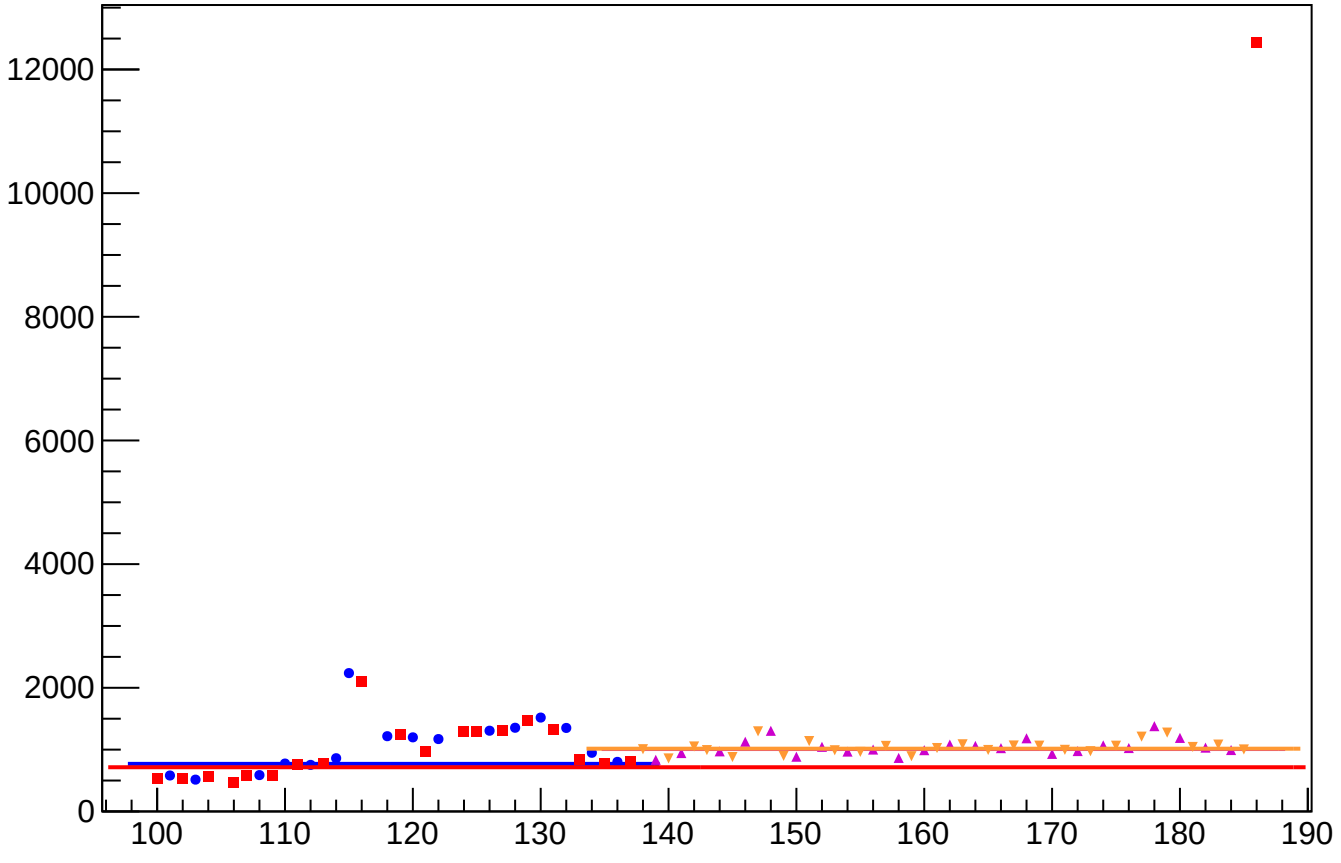
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

\+ sign -141.303+/-185.007 χ^2/NDF: 32.3/40

All: -214.695+/-129.449 χ^2/NDF: 89.0/83

\- sign -285.090+/-181.189 χ^2/NDF: 56.4/42

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 714.985+/-0.197 χ^2/NDF: 2475761.9/19

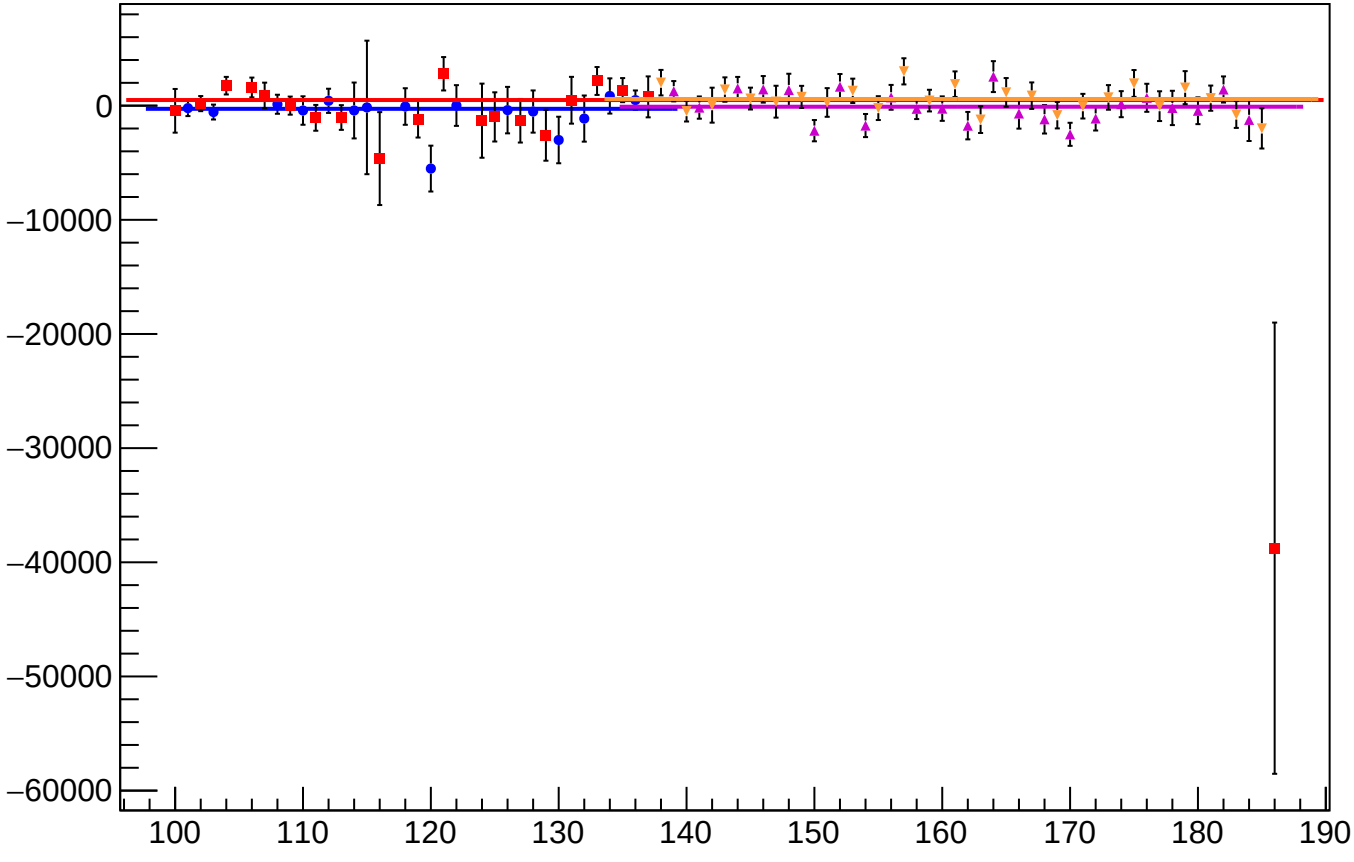
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 924.915+/-0.131 χ^2/NDF: 2956119.6/40

All: 904.826+/-0.092 χ^2/NDF: 7266609.3/83

- sign 885.557+/-0.128 χ^2/NDF: 4264287.9/42

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 494.494+/-272.965 χ^2/NDF: 24.4/19

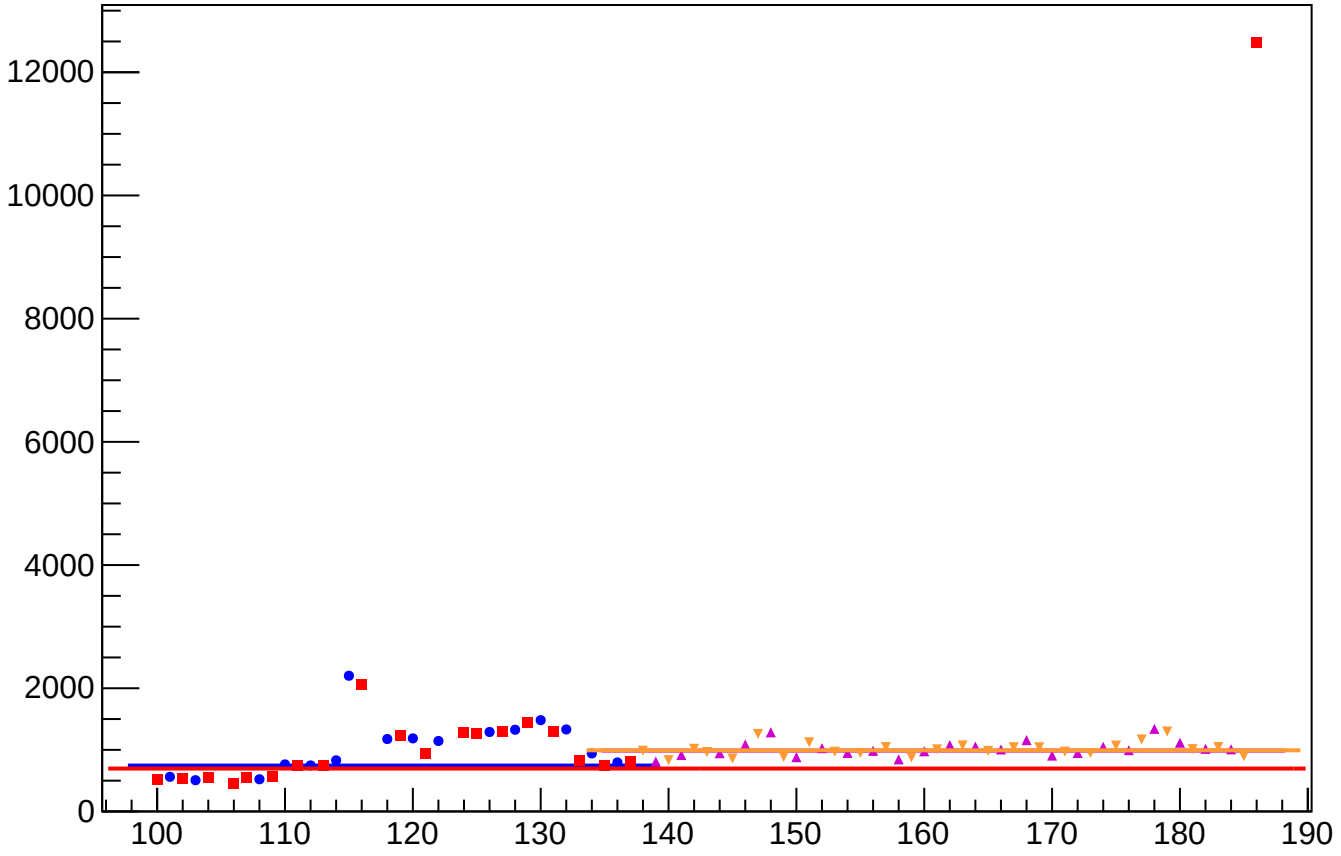
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 266.750+/-180.581 χ^2/NDF: 37.1/40

All: 209.743+/-126.487 χ^2/NDF: 99.0/83

- sign 154.835+/-177.226 χ^2/NDF: 61.7/42

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 696.596+/-0.193 χ^2/NDF: 2514365.0/19

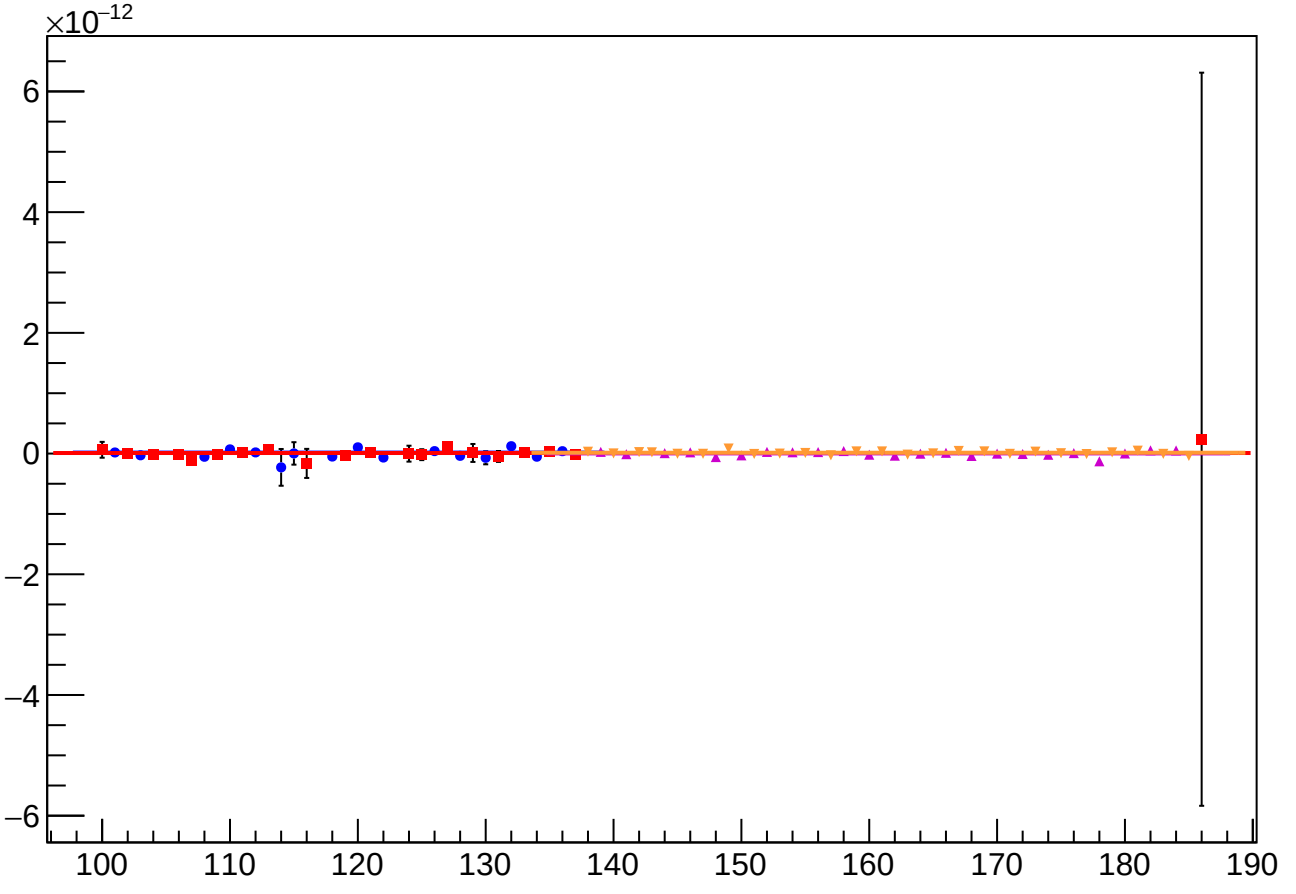
Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 900.773+/-0.128 χ^2/NDF: 3125488.1/40

All: 882.569+/-0.089 χ^2/NDF: 7484034.0/83

- sign 865.036+/-0.125 χ^2/NDF: 4318645.2/42

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

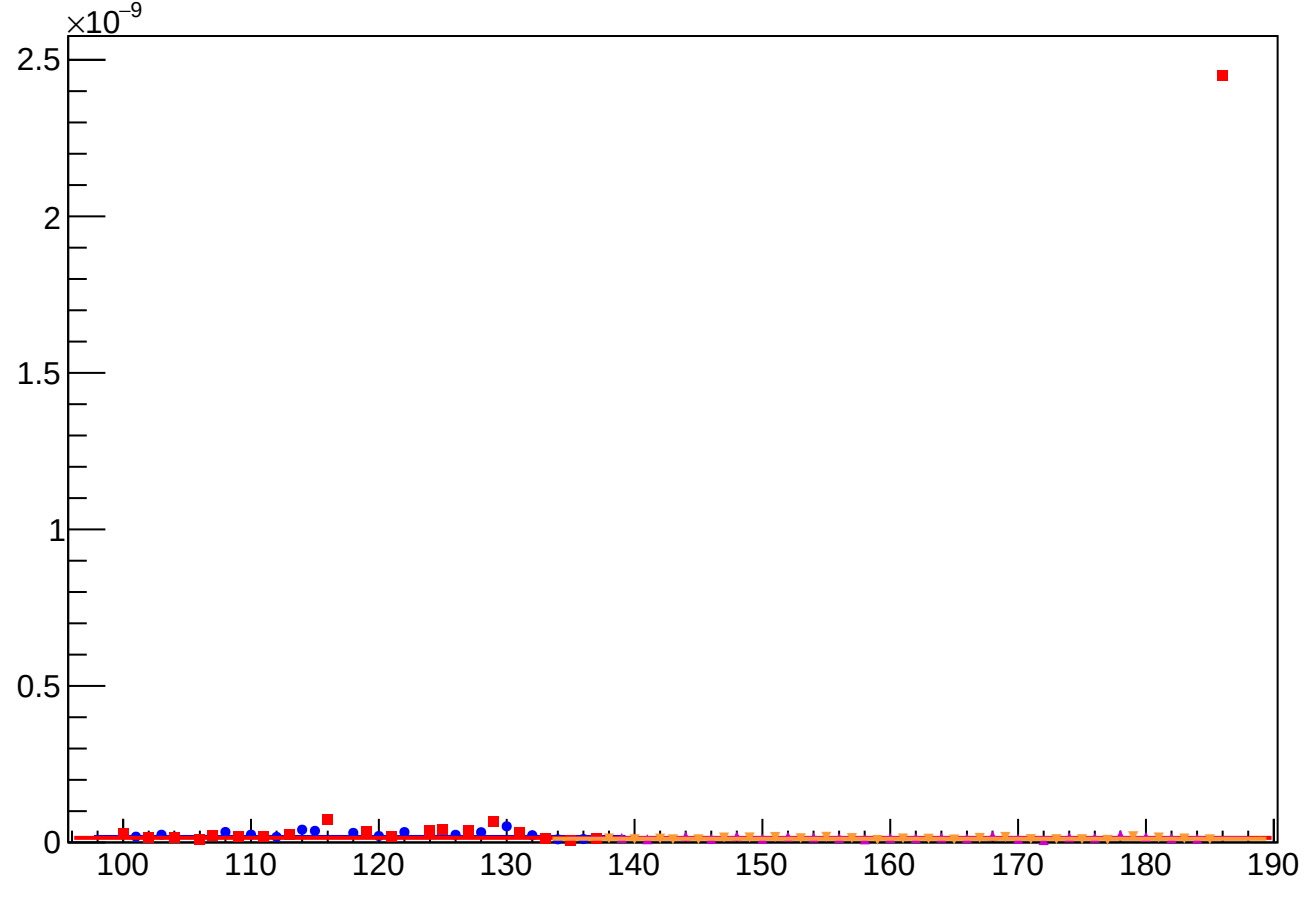
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/19

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

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/40

All: 0.000+/-0.000 χ^2/NDF: 86.2/83

- sign 0.000+/-0.000 χ^2/NDF: 42.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2063033.3/19

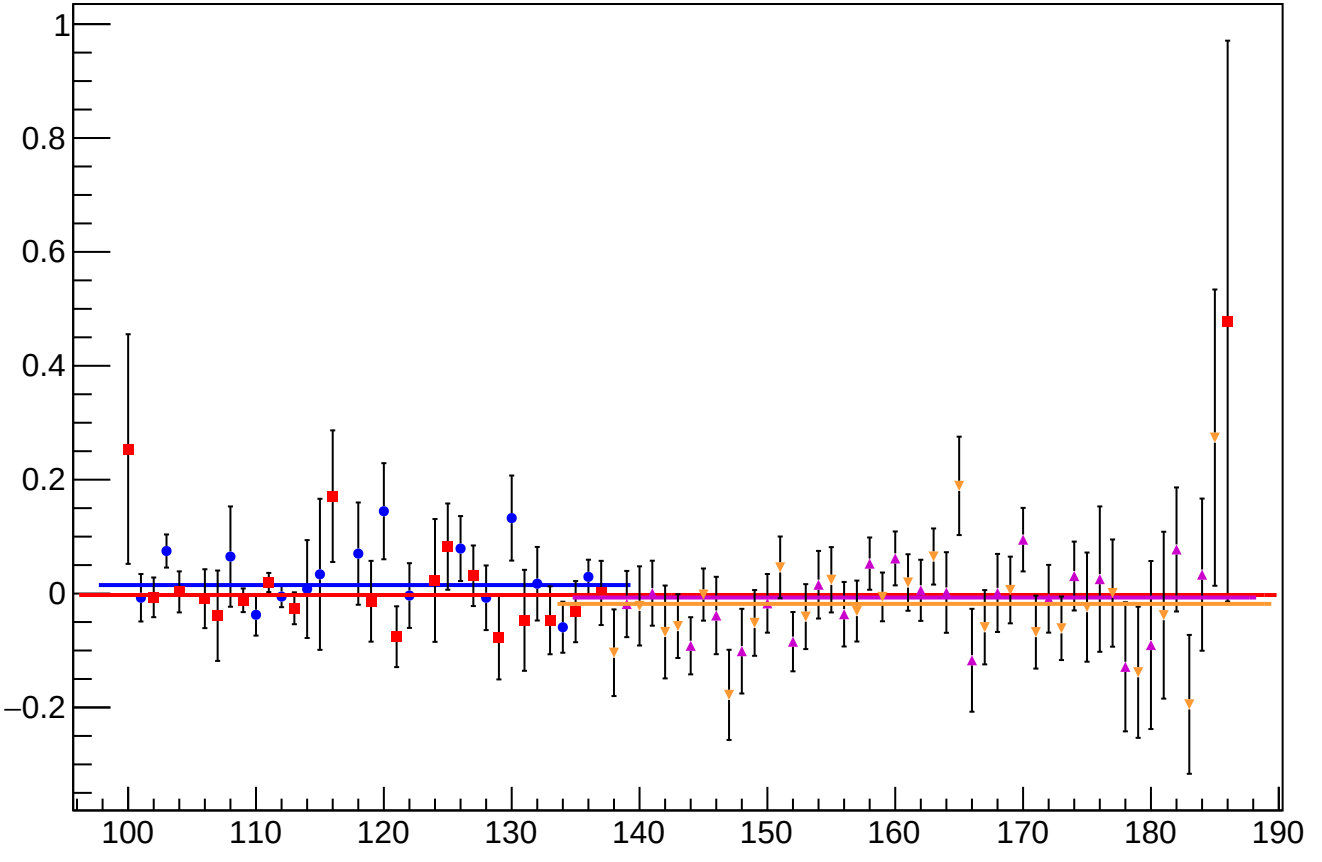
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 2424359.0/40

All: 0.000+/-0.000 χ^2/NDF: 5428275.0/83

- 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: 17.8/15

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.003+/-0.009 χ^2/NDF: 13.4/19

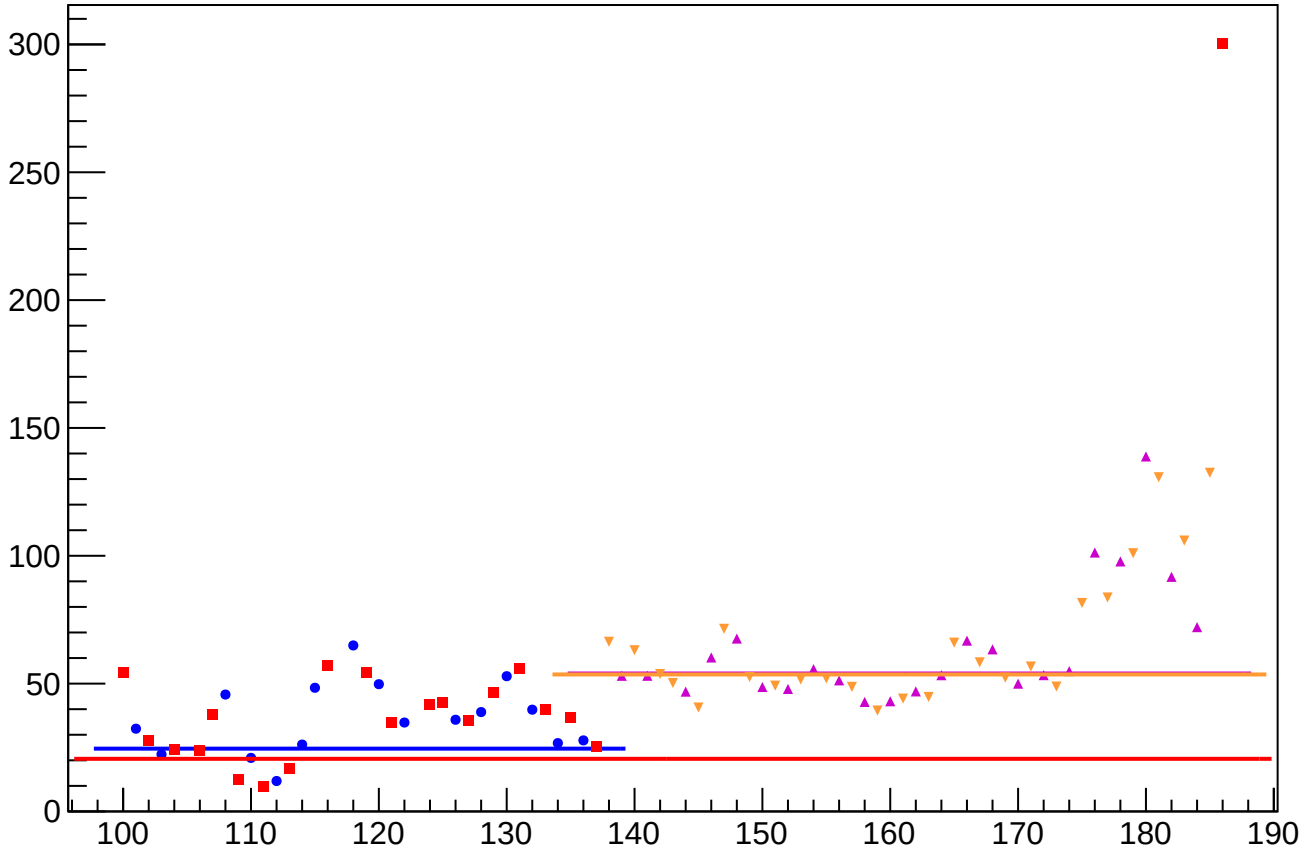
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 46.1/40

All: -0.001+/-0.006 χ^2/NDF: 78.5/83

- sign -0.004+/-0.008 χ^2/NDF: 32.2/42

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

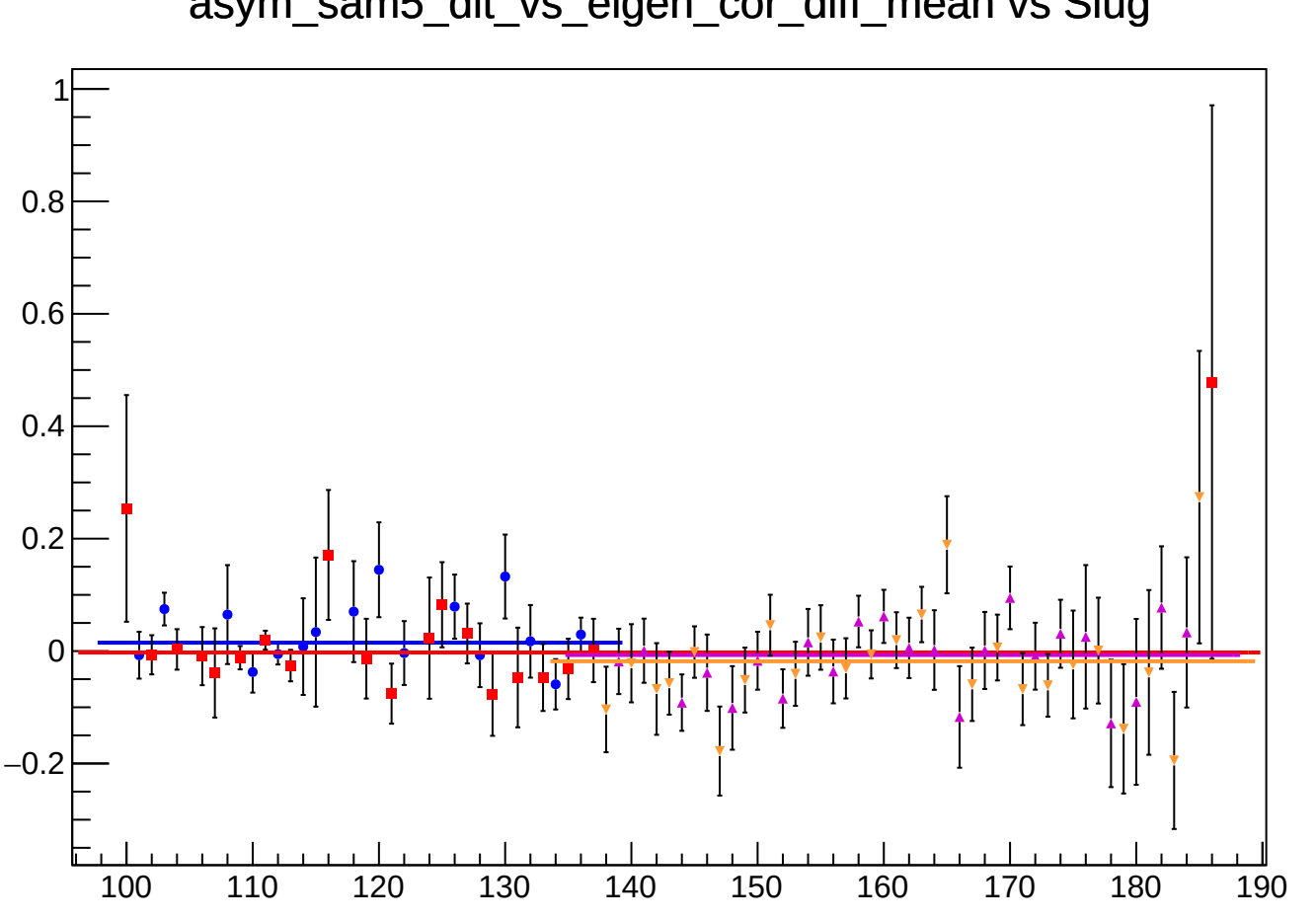
Right Out: 20.586+/-0.007 χ^2/NDF: 4230486.3/19

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 36.352+/-0.006 χ^2/NDF: 11229070.2/40

All: 33.766+/-0.004 χ^2/NDF: 26469283.7/83

- sign 31.545+/-0.005 χ^2/NDF: 14866553.1/42



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.003+/-0.009 χ^2/NDF: 13.4/19

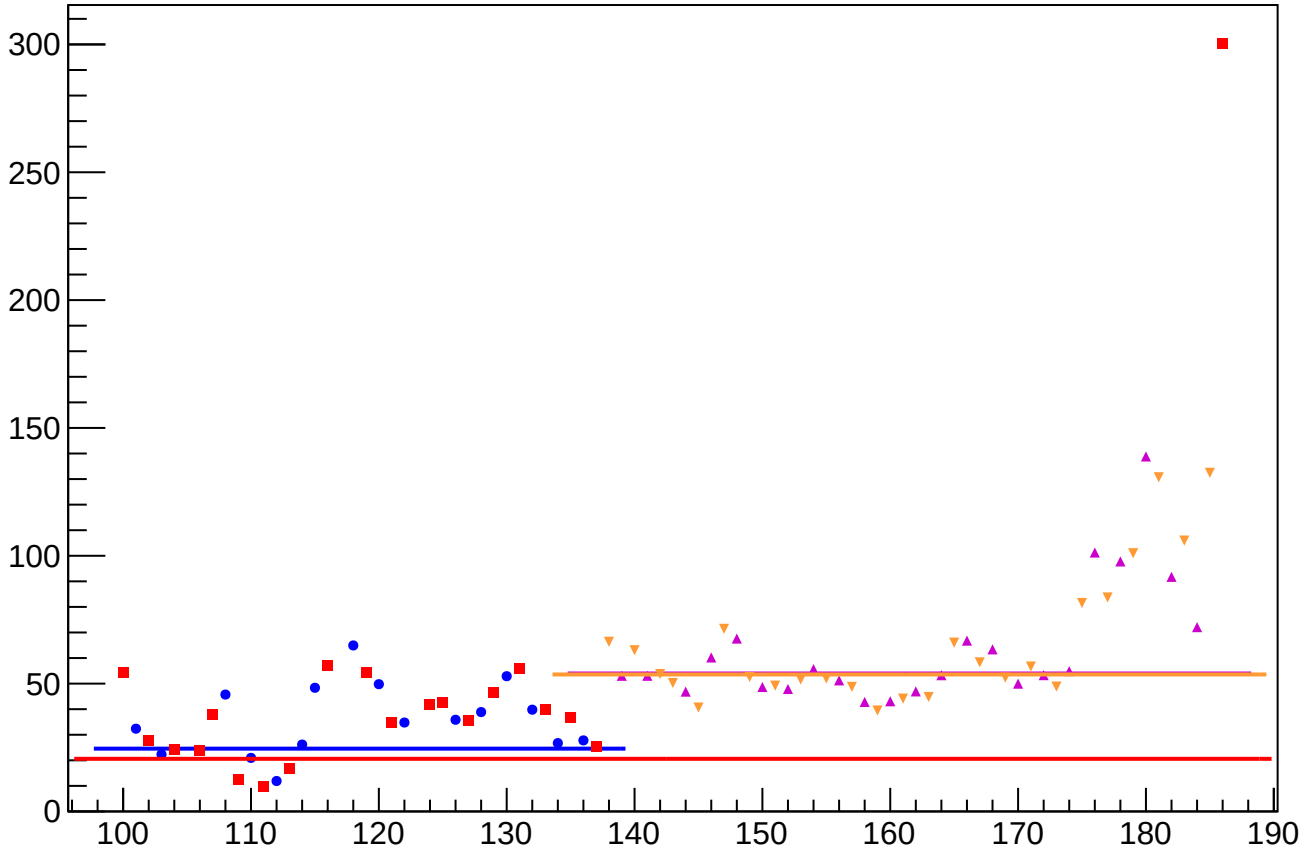
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 46.1/40

All: -0.001+/-0.006 χ^2/NDF: 78.5/83

- sign -0.004+/-0.008 χ^2/NDF: 32.2/42

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

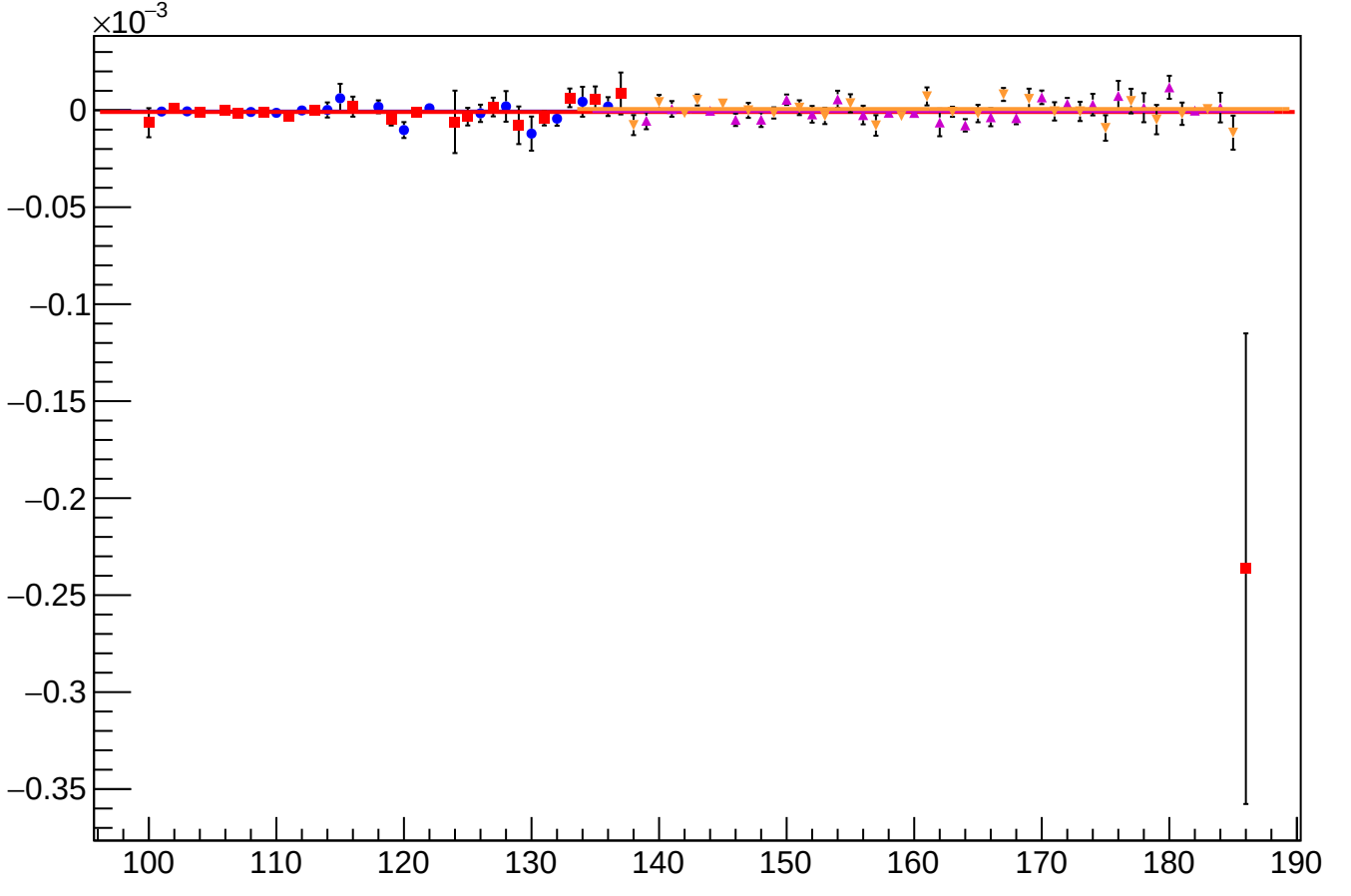
Right Out: 20.586+/-0.007 χ^2/NDF: 4230486.3/19

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

\+ sign 36.352+/-0.006 χ^2/NDF: 11229070.2/40

All: 33.766+/-0.004 χ^2/NDF: 26469283.7/83

\- sign 31.545+/-0.005 χ^2/NDF: 14866553.1/42



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/19

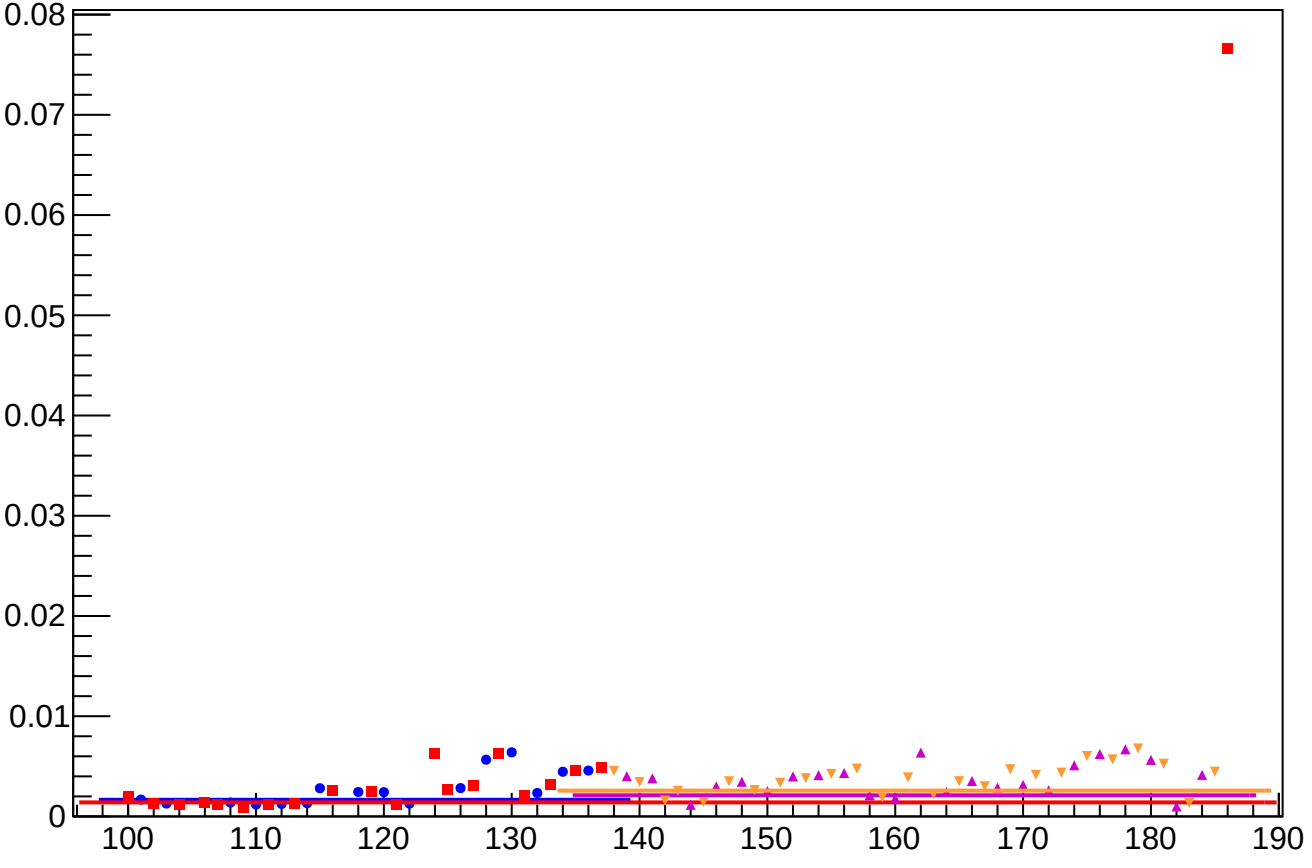
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.1/40

All: -0.000+/-0.000 χ^2/NDF: 92.1/83

- 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: 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

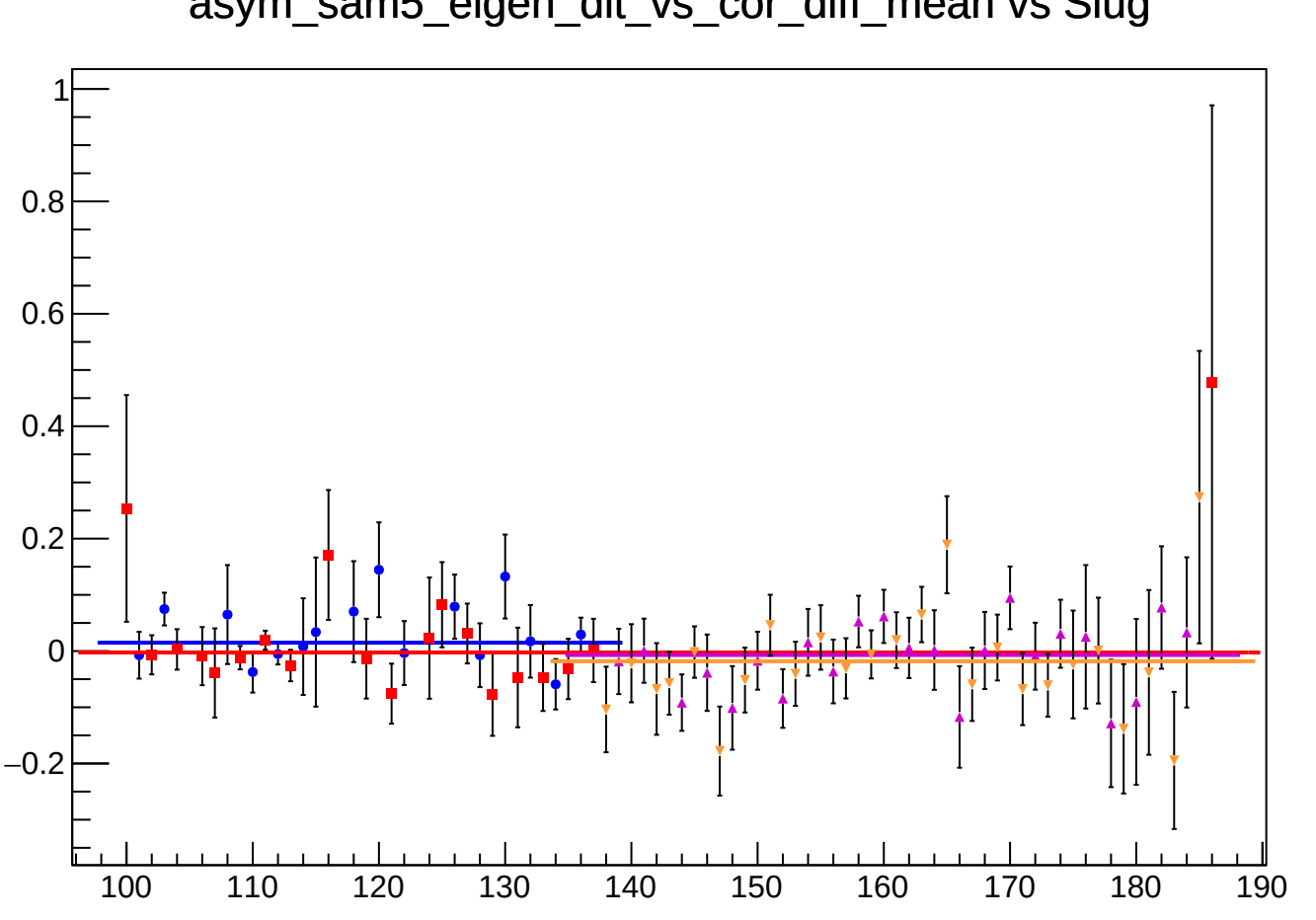
Right Out: 0.001+/-0.000 χ^2/NDF: 3683857.7/19

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

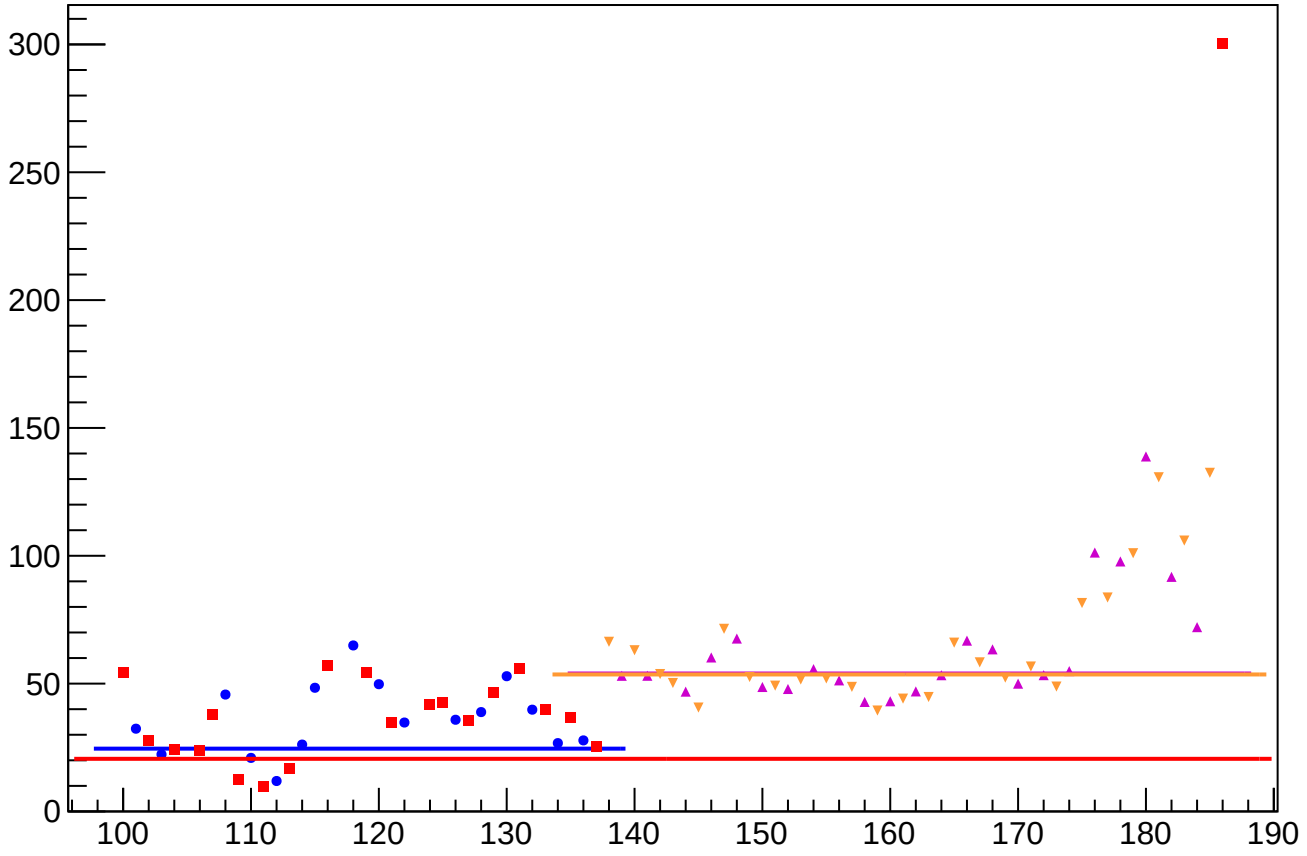
+ sign 0.002+/-0.000 χ^2/NDF: 11859524.4/40

All: 0.002+/-0.000 χ^2/NDF: 27231176.7/83

- sign 0.002+/-0.000 χ^2/NDF: 14647387.5/42


asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.018+/-0.013 χ²/NDF:24.3/24
Right Out: -0.003+/-0.009 χ²/NDF: 13.4/19
Left In: -0.007+/-0.013 χ²/NDF:18.7/22
+ sign 0.001+/-0.008 χ²/NDF: 46.1/40
All: -0.001+/-0.006 χ²/NDF: 78.5/83
- sign -0.004+/-0.008 χ²/NDF: 32.2/42

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

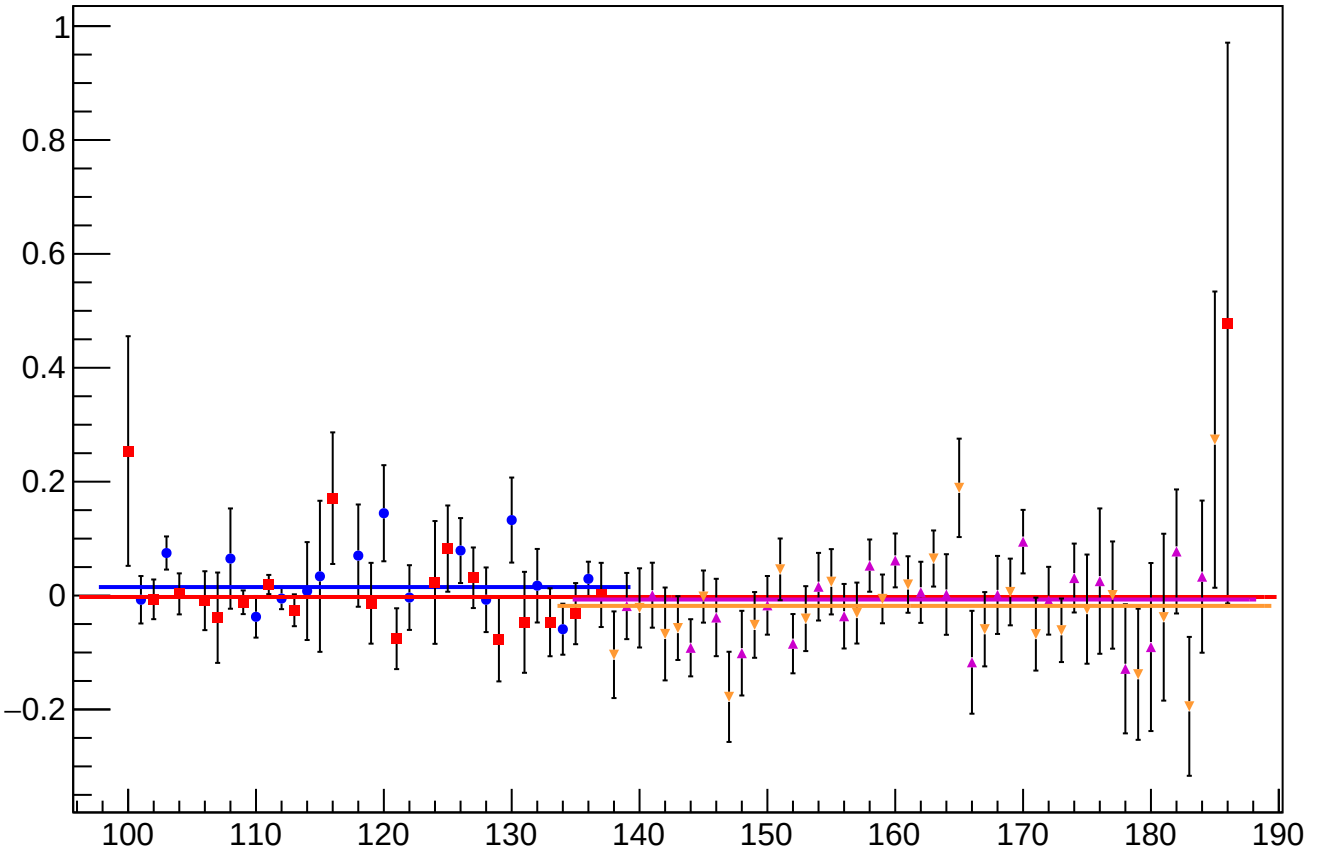
Right Out: 20.585+/-0.007 χ^2/NDF: 4230445.3/19

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 36.352+/-0.006 χ^2/NDF: 11229407.1/40

All: 33.765+/-0.004 χ^2/NDF: 26470120.0/83

- sign 31.544+/-0.005 χ^2/NDF: 14867022.9/42



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

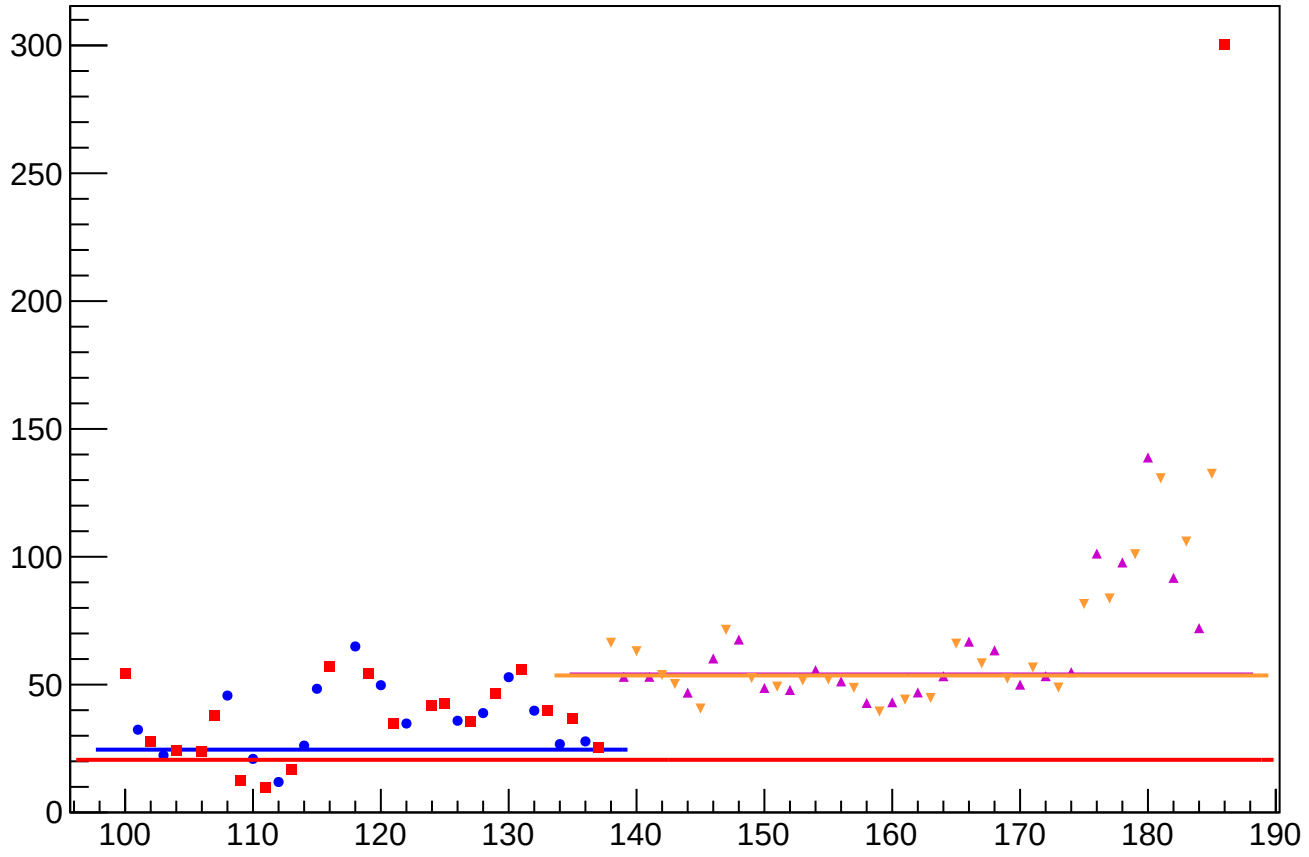
Right Out: -0.003+/-0.009 χ^2/NDF: 13.4/19

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 46.1/40

All: -0.001+/-0.006 χ^2/NDF: 78.5/83

- sign -0.004+/-0.008 χ^2/NDF: 32.2/42



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 20.585+/-0.007 χ^2/NDF: 4230445.3/19

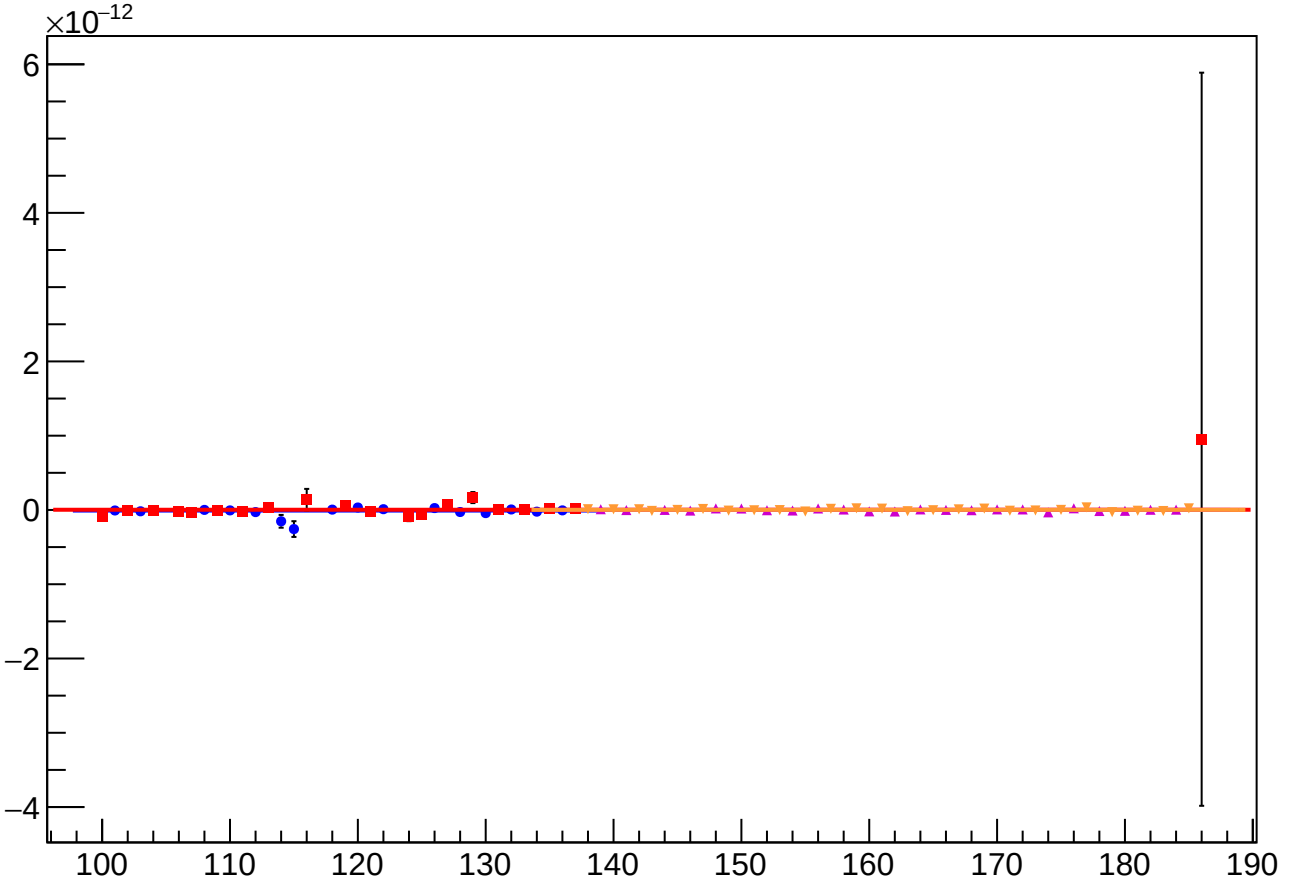
Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 36.352+/-0.006 χ^2/NDF: 11229407.1/40

All: 33.765+/-0.004 χ^2/NDF: 26470120.0/83

- sign 31.544+/-0.005 χ^2/NDF: 14867022.9/42

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

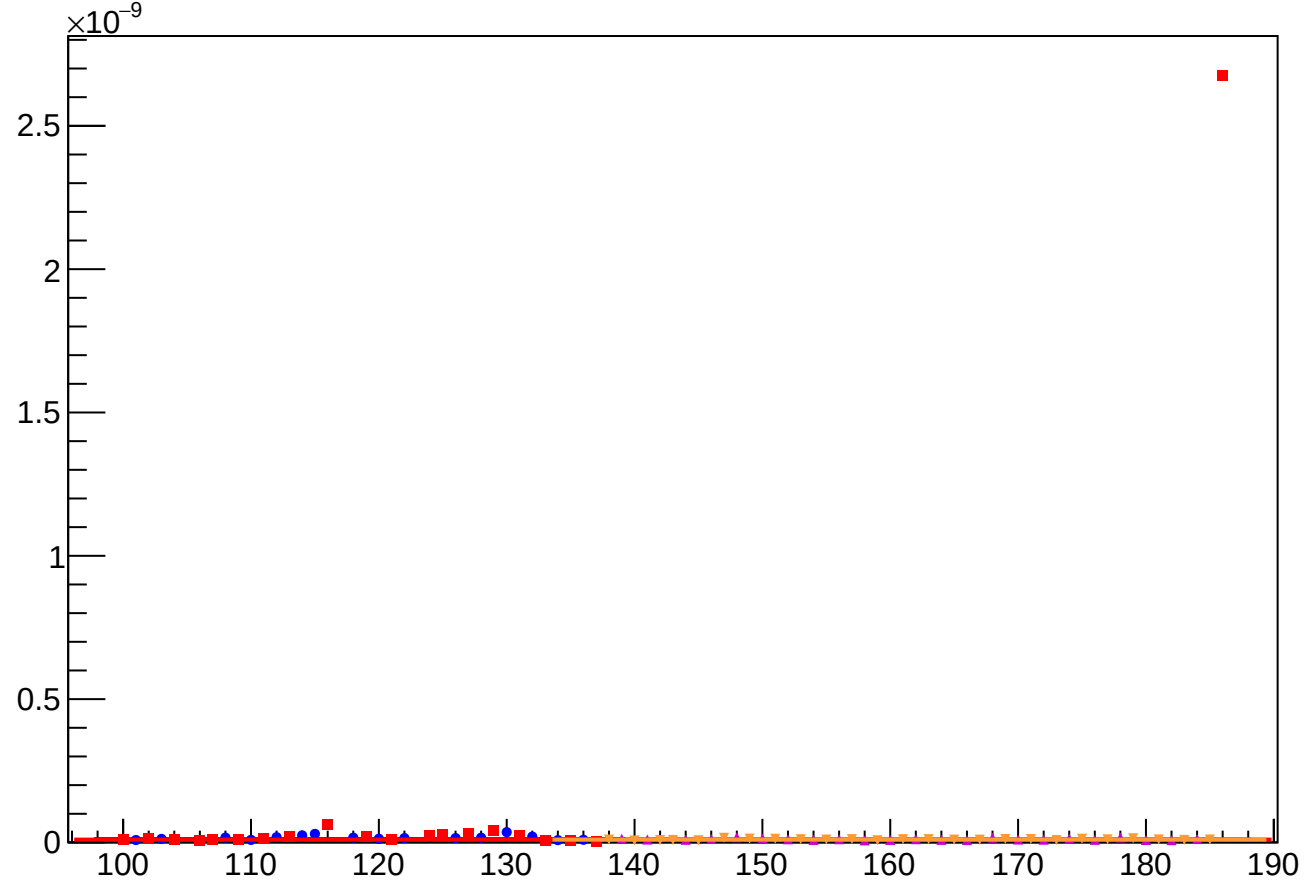
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/19

Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.1/40

All: 0.000+/-0.000 χ^2/NDF: 88.6/83

- sign 0.000+/-0.000 χ^2/NDF: 44.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 1179957.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

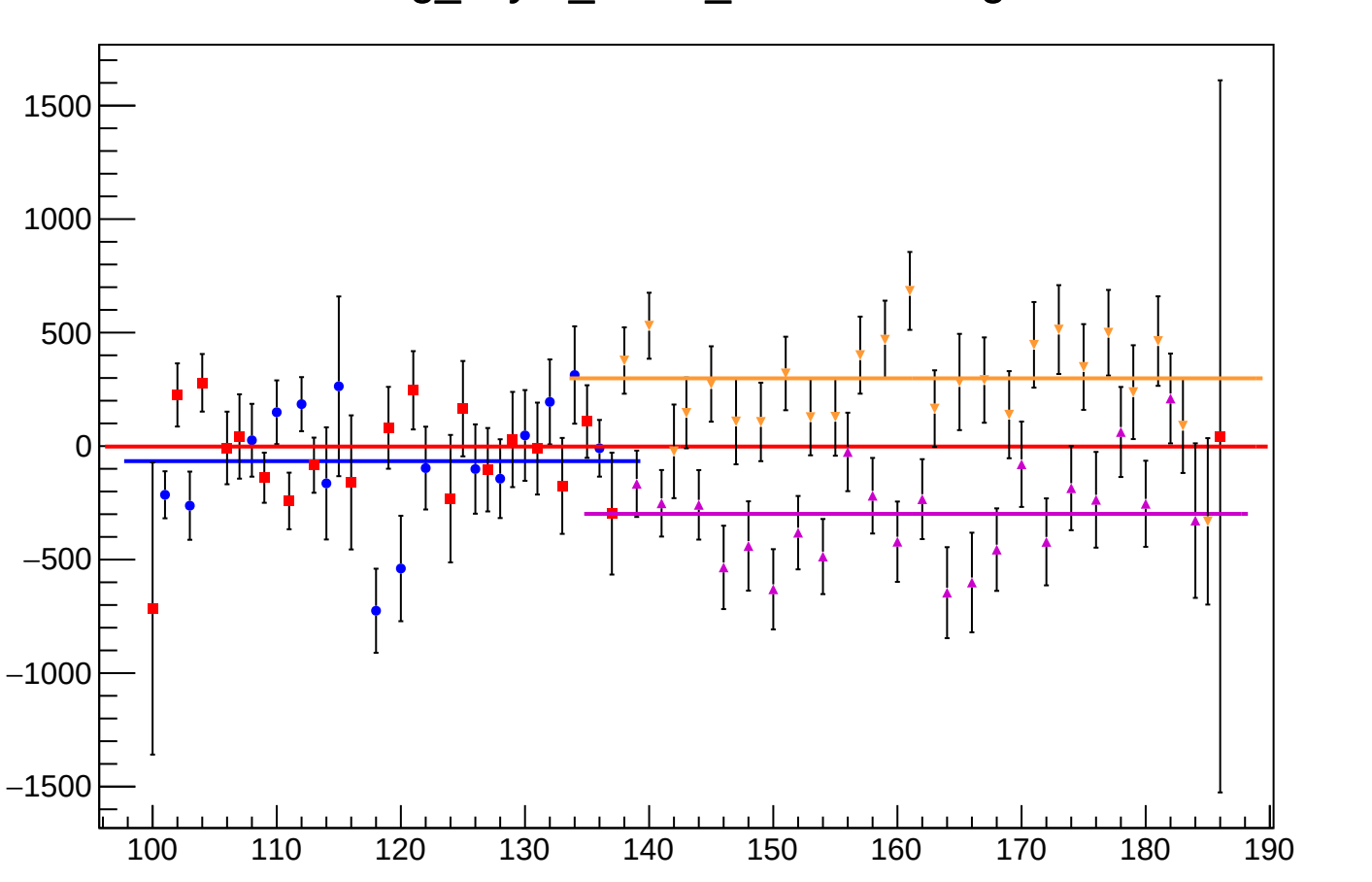
Right Out: 0.000+/-0.000 χ^2/NDF: 3219482.7/19

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 2511934.6/40

All: 0.000+/-0.000 χ^2/NDF: 7051075.9/83

- sign 0.000+/-0.000 χ^2/NDF: 4538801.8/42



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -1.990+/-38.854 χ^2/NDF: 21.1/19

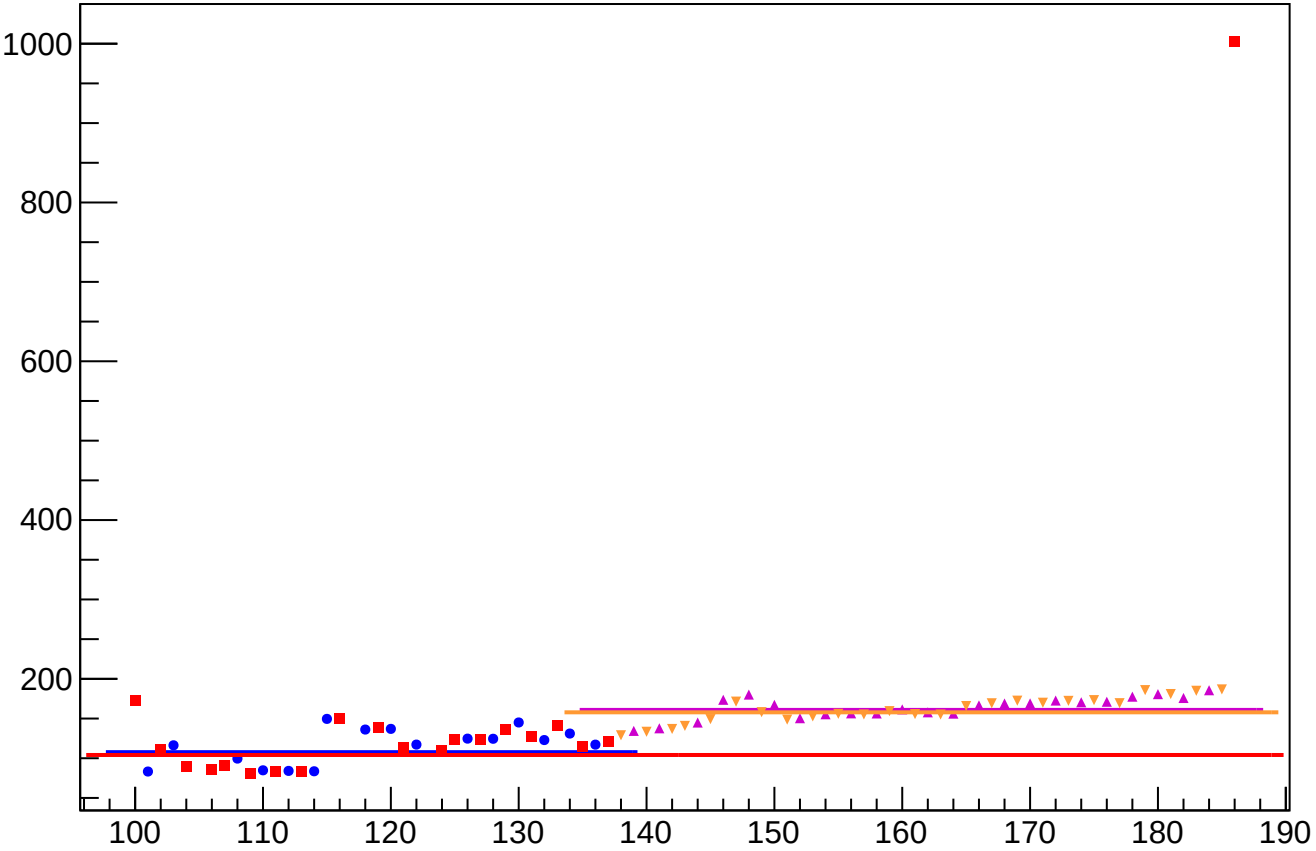
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 139.201+/-27.055 χ^2/NDF: 105.1/40

All: -7.687+/-19.135 χ^2/NDF: 244.6/83

- sign -154.700+/-27.067 χ^2/NDF: 80.6/42

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 104.101+/-0.027 χ^2/NDF: 1274155.8/19

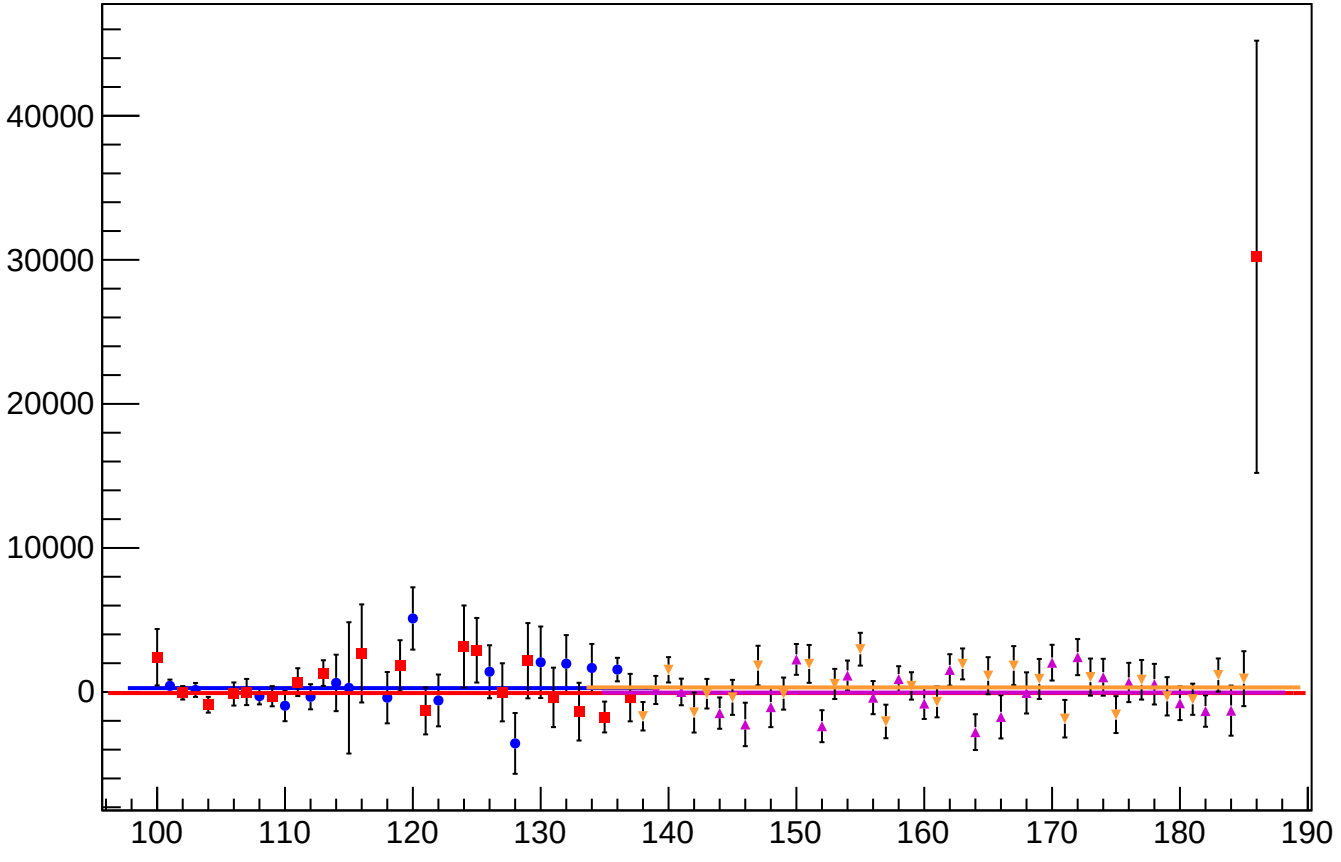
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 135.913+/-0.019 χ^2/NDF: 2603363.0/40

All: 134.619+/-0.014 χ^2/NDF: 6352873.7/83

- sign 133.324+/-0.019 χ^2/NDF: 3740354.4/42

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -72.842+/-232.127 χ^2/NDF: 20.1/19

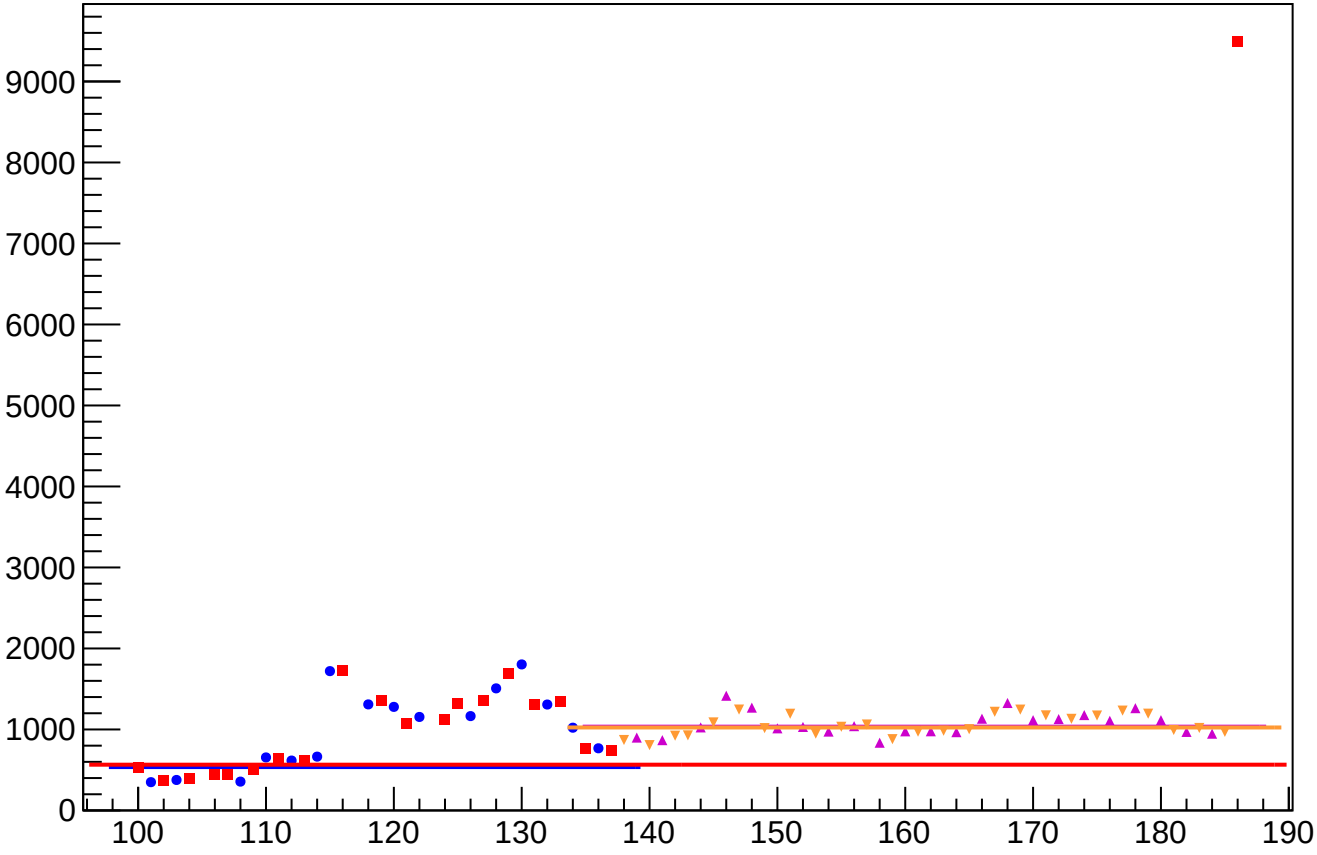
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 295.266+/-164.644 χ^2/NDF: 49.0/40

All: 122.992+/-117.668 χ^2/NDF: 106.1/83

- sign -56.869+/-168.230 χ^2/NDF: 54.9/42

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 564.982+/-0.164 χ^2/NDF: 3818778.3/19

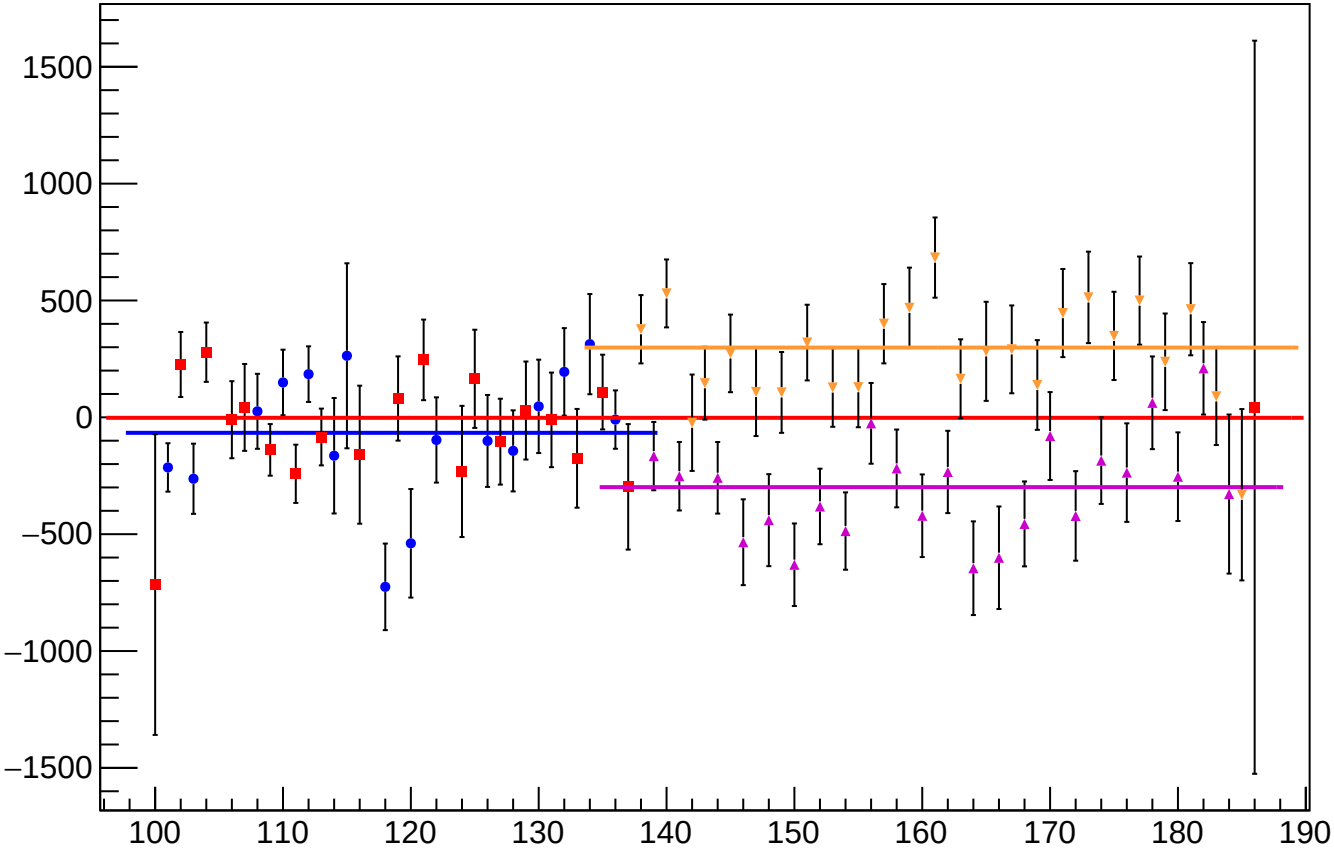
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 775.448+/-0.116 χ^2/NDF: 8635586.8/40

All: 781.518+/-0.083 χ^2/NDF: 16971910.8/83

- sign 787.855+/-0.119 χ^2/NDF: 8330767.6/42

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -2.034+/-38.925 χ^2/NDF: 21.1/19

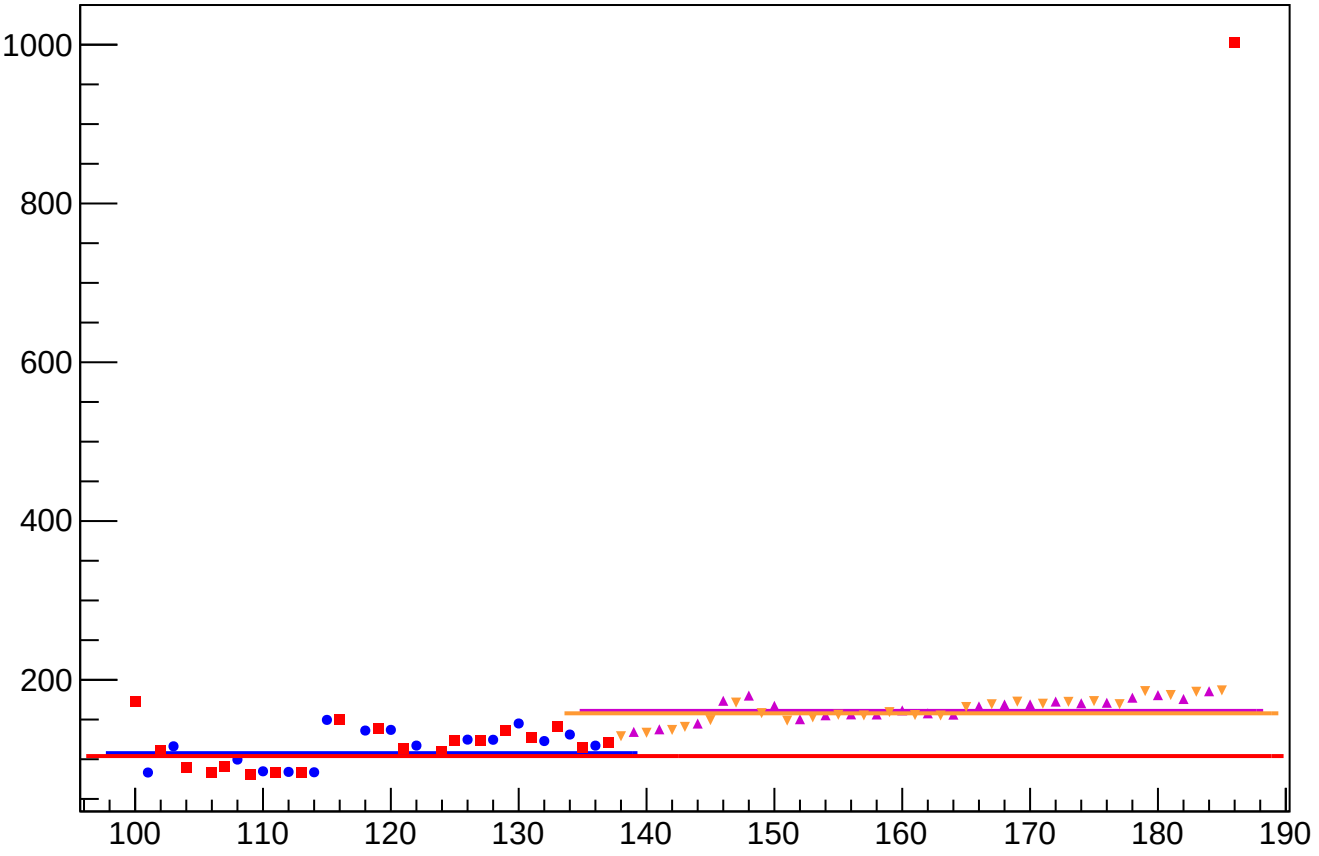
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 139.191+/-27.055 χ^2/NDF: 105.1/40

All: -7.710+/-19.143 χ^2/NDF: 244.7/83

- sign -154.993+/-27.090 χ^2/NDF: 80.5/42

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 103.991+/-0.028 χ^2/NDF: 1281723.3/19

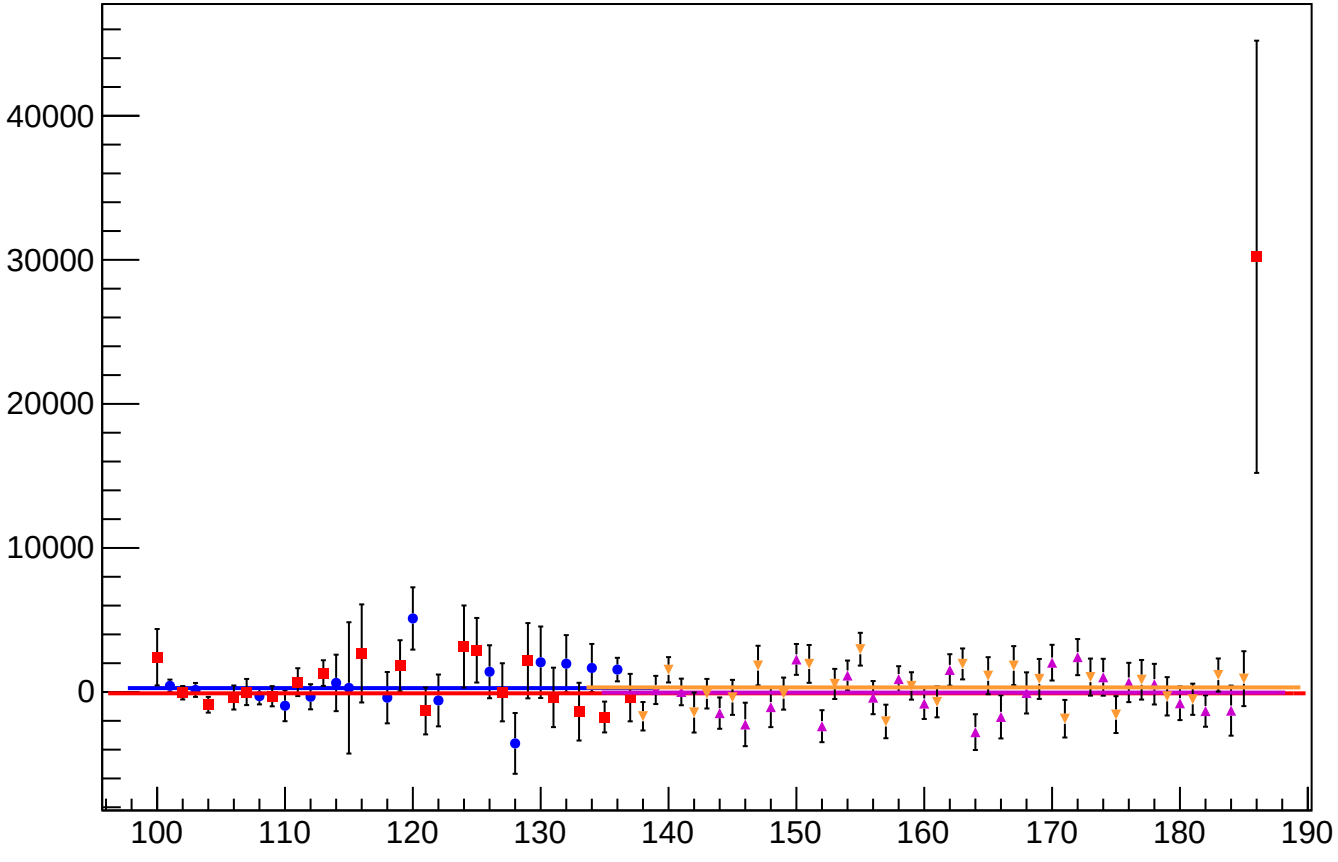
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 135.913+/-0.019 χ^2/NDF: 2603360.0/40

All: 134.619+/-0.014 χ^2/NDF: 6364877.6/83

- sign 133.322+/-0.019 χ^2/NDF: 3752353.7/42

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -90.551+/-232.753 χ^2/NDF: 20.2/19

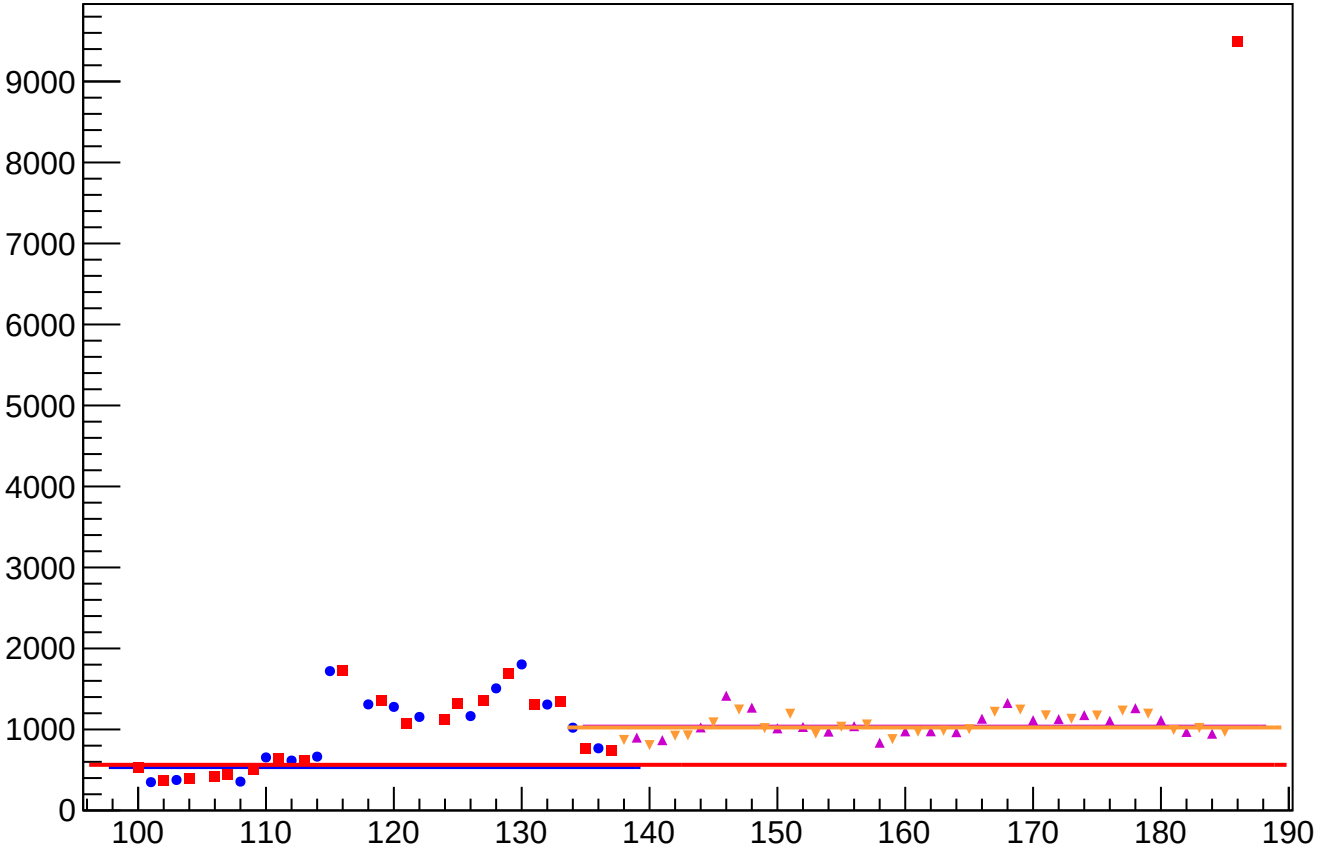
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 295.340+/-164.641 χ^2/NDF: 49.0/40

All: 118.771+/-117.749 χ^2/NDF: 106.4/83

- sign -66.101+/-168.468 χ^2/NDF: 55.0/42

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 563.418+/-0.165 χ^2/NDF: 3838756.5/19

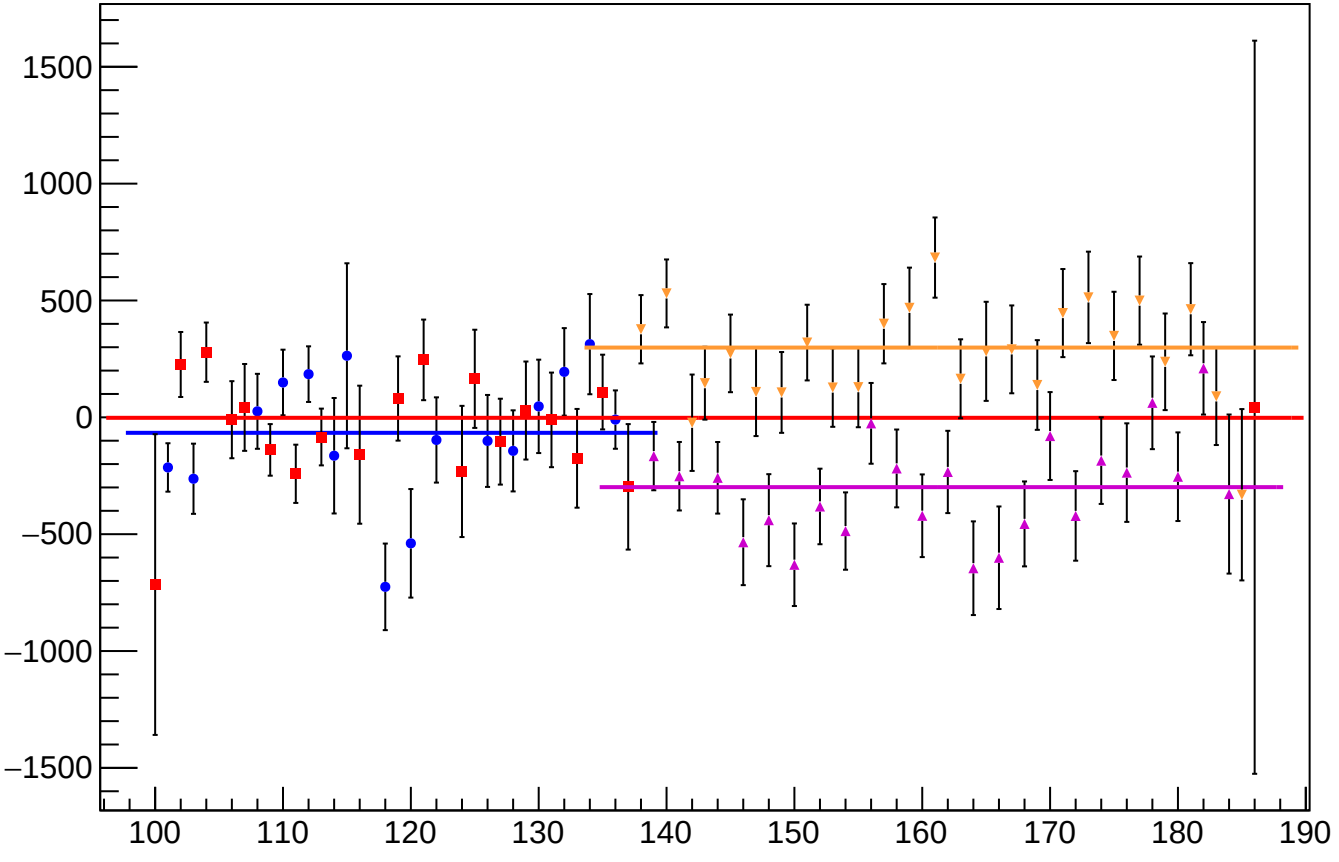
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 775.430+/-0.116 χ^2/NDF: 8636313.2/40

All: 781.408+/-0.083 χ^2/NDF: 17008359.1/83

- sign 787.667+/-0.119 χ^2/NDF: 8366648.0/42

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -2.034+/-38.925 χ^2/NDF: 21.1/19

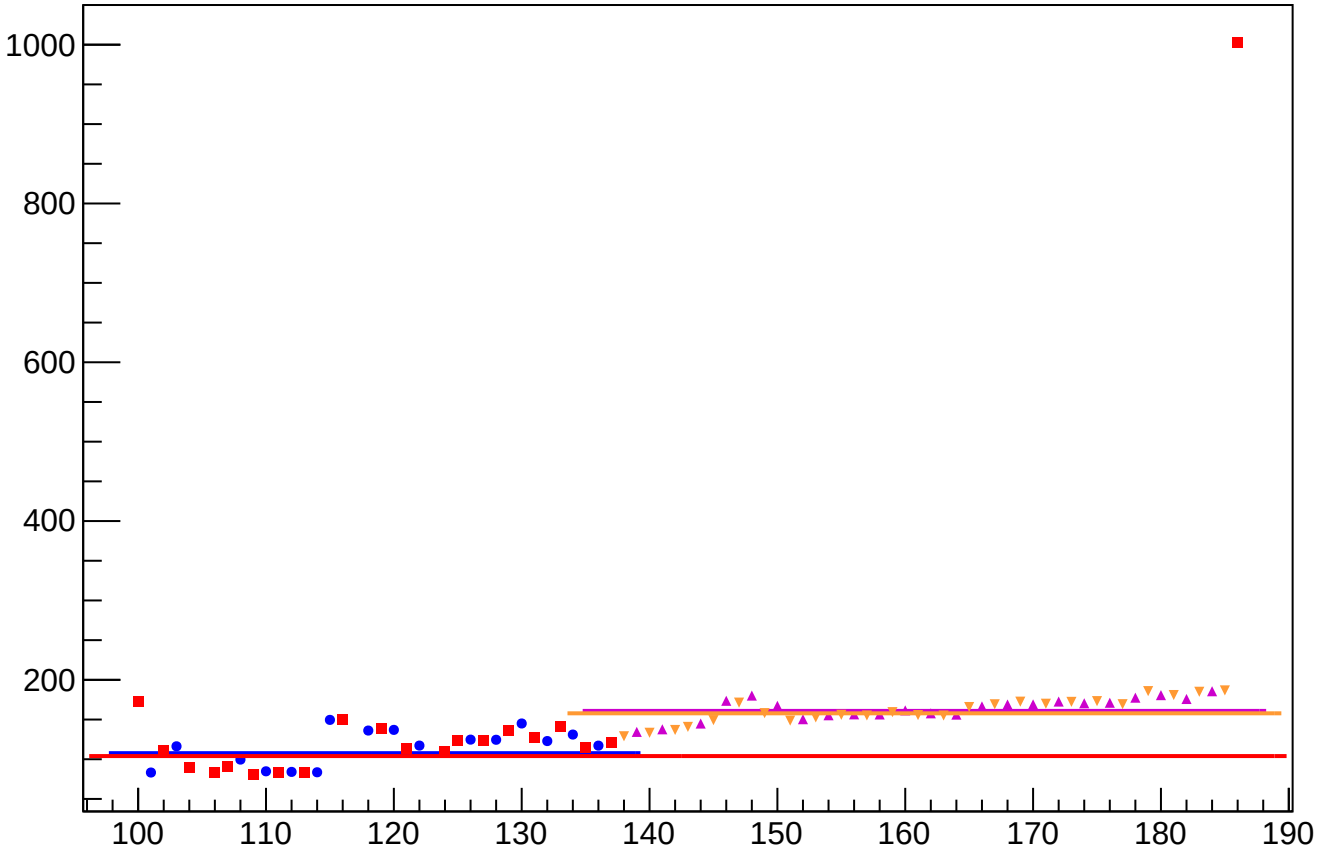
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 139.191+/-27.055 χ^2/NDF: 105.1/40

All: -7.710+/-19.143 χ^2/NDF: 244.7/83

- sign -154.993+/-27.090 χ^2/NDF: 80.5/42

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

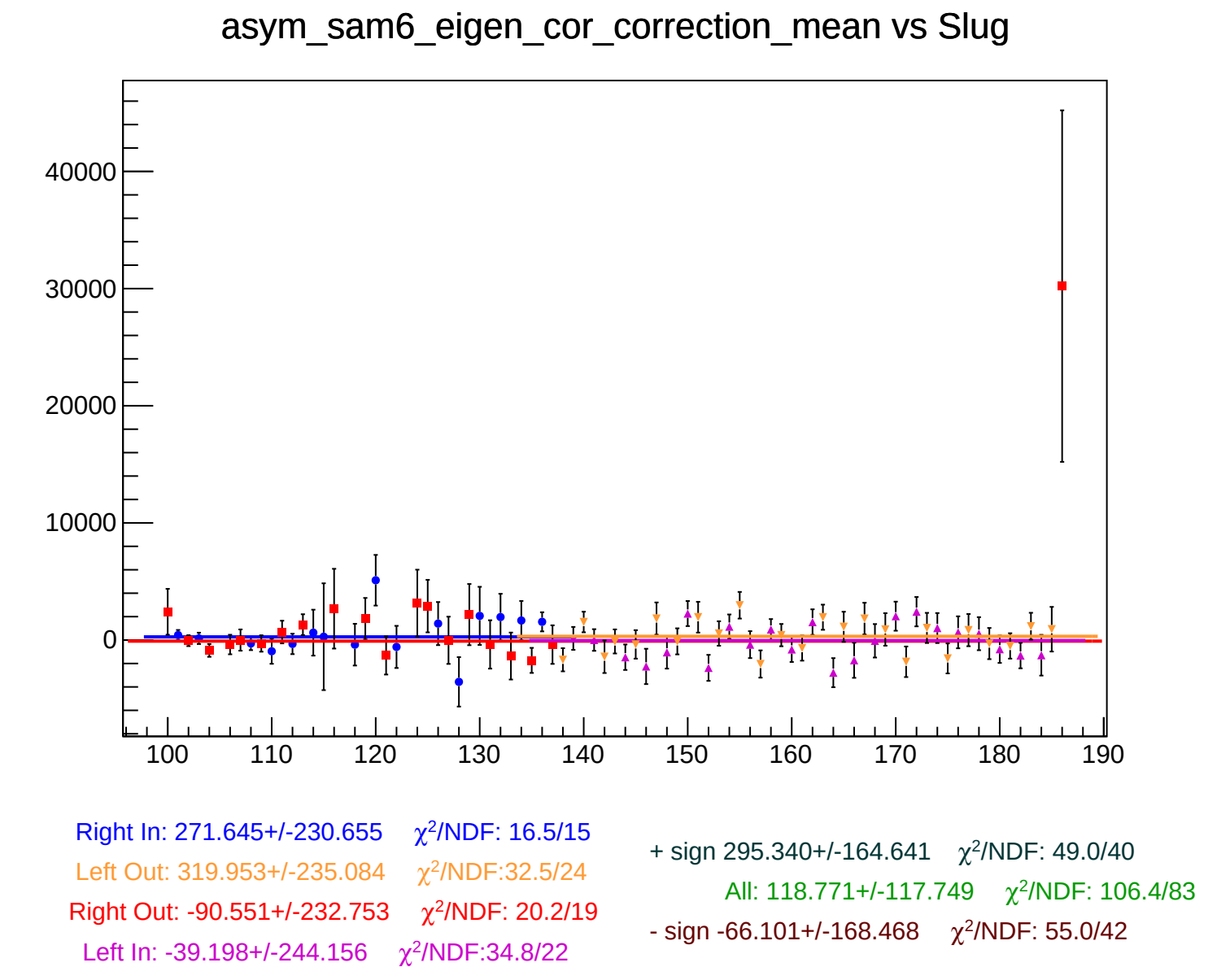
Right Out: 103.991+/-0.028 χ^2/NDF: 1281723.3/19

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 135.913+/-0.019 χ^2/NDF: 2603360.0/40

All: 134.619+/-0.014 χ^2/NDF: 6364877.6/83

- sign 133.322+/-0.019 χ^2/NDF: 3752353.7/42


asym_sam6_eigen_cor_correction_mean vs Slug
40000
30000
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0
100
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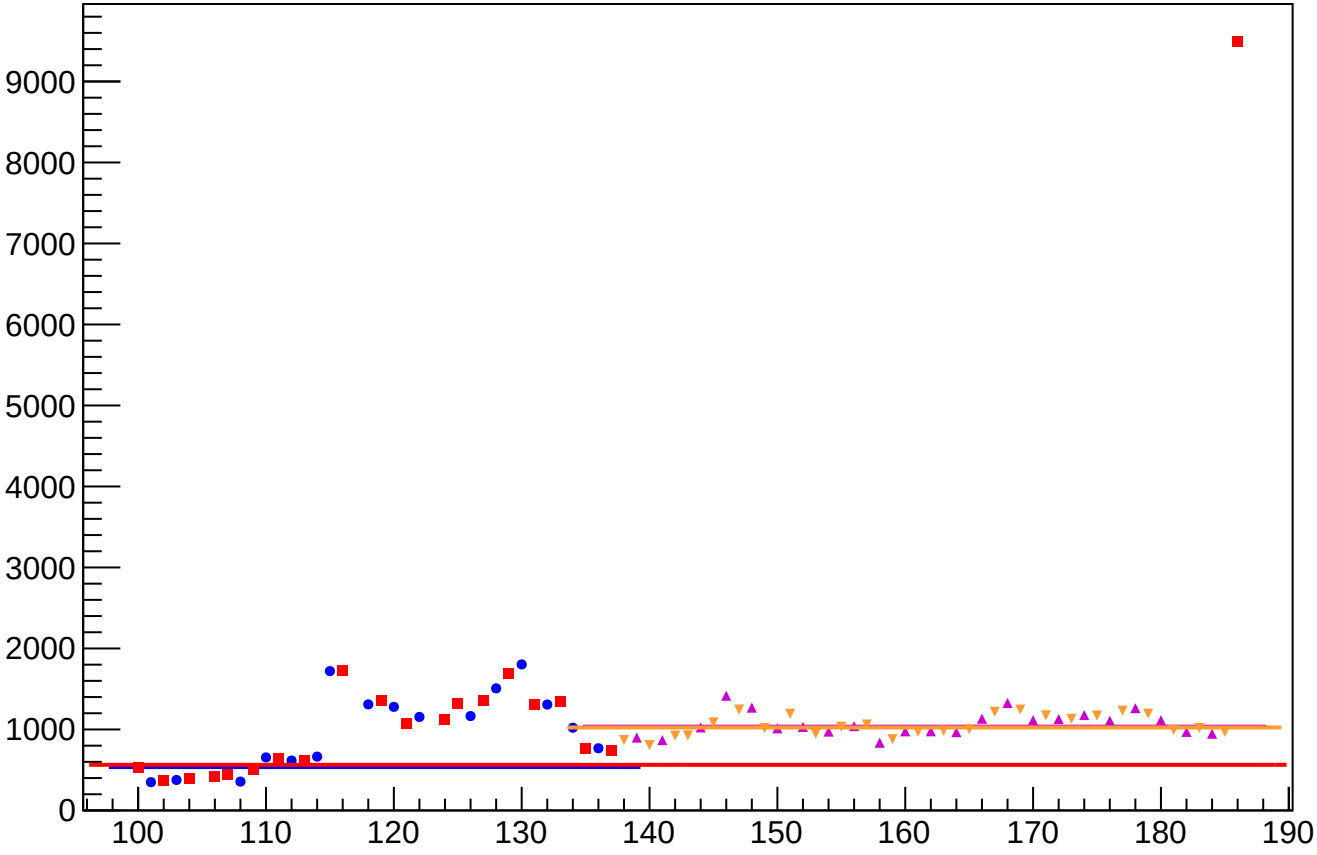
130
140
150
160
170
180
190
Right In: 271.645+/-230.655 χ²/NDF: 16.5/15
Left Out: 319.953+/-235.084 χ²/NDF:32.5/24
Right Out: -90.551+/-232.753 χ²/NDF: 20.2/19
Left In: -39.198+/-244.156 χ²/NDF:34.8/22
+ sign 295.340+/-164.641 χ²/NDF: 49.0/40
All: 118.771+/-117.749 χ²/NDF: 106.4/83
- sign -66.101+/-168.468 χ²/NDF: 55.0/42

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 563.418+/-0.165 χ^2/NDF: 3838756.5/19

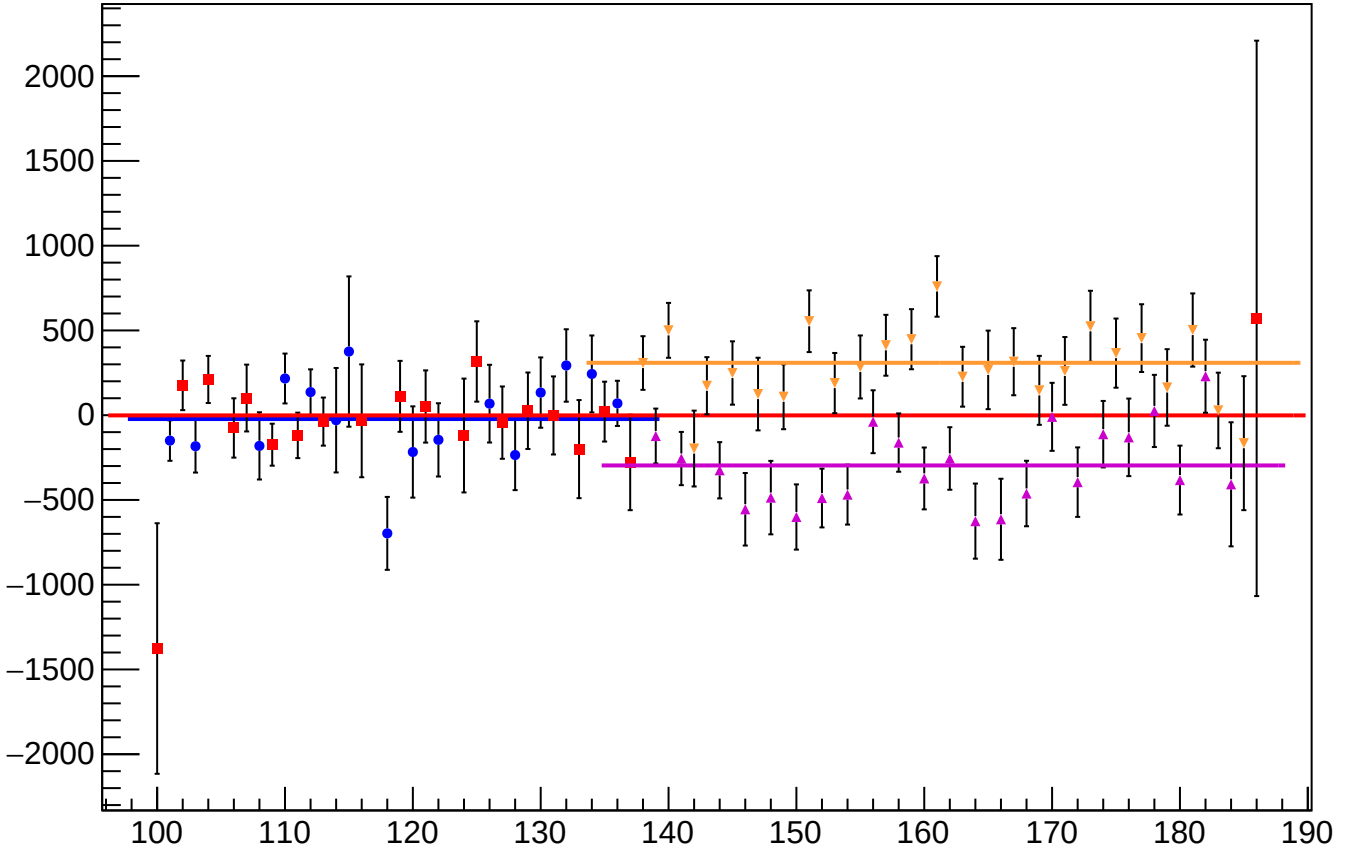
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 775.430+/-0.116 χ^2/NDF: 8636313.2/40

All: 781.408+/-0.083 χ^2/NDF: 17008359.1/83

- sign 787.667+/-0.119 χ^2/NDF: 8366648.0/42

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -1.195+/-43.548 χ^2/NDF: 14.4/19

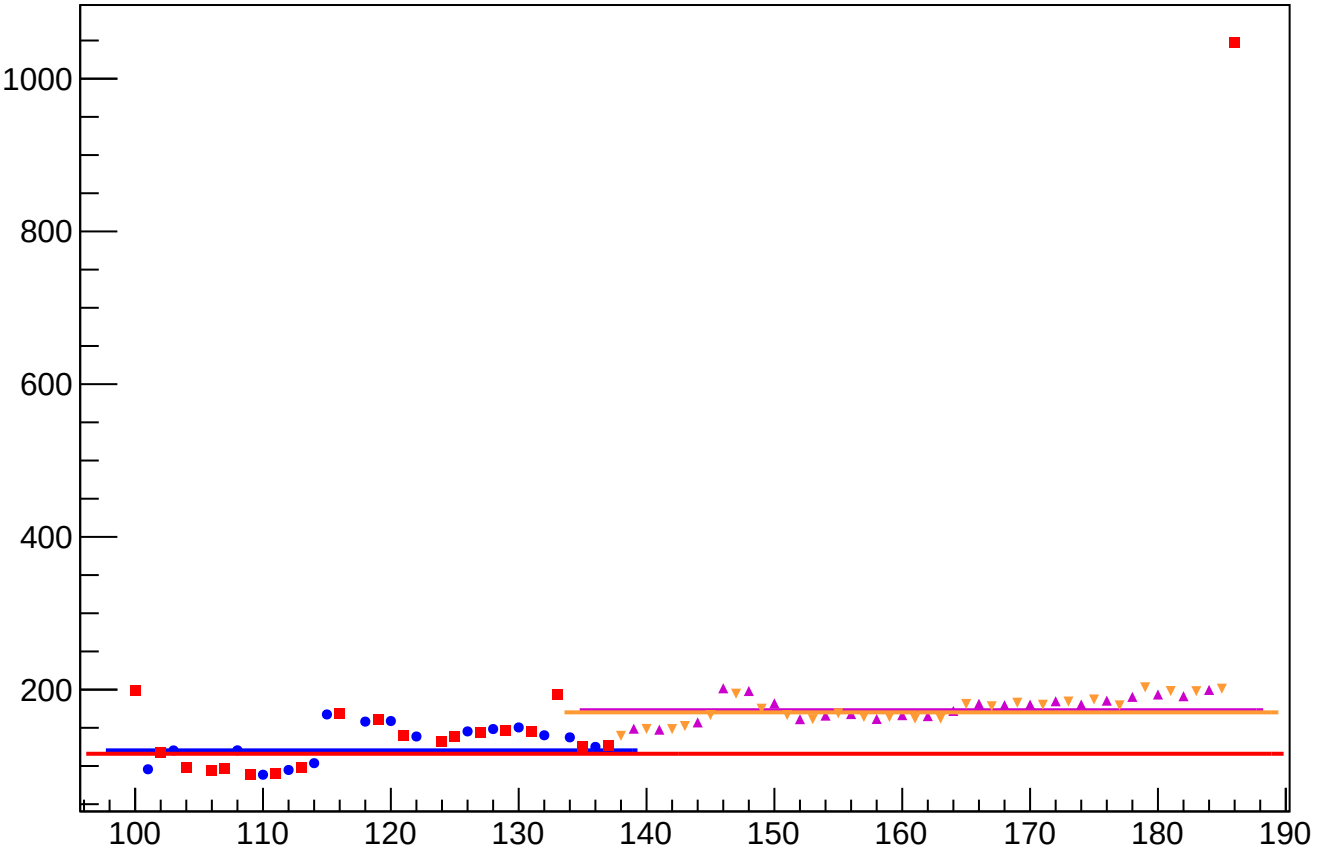
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 170.400+/-29.679 χ^2/NDF: 80.1/40

All: 5.734+/-20.993 χ^2/NDF: 208.6/83

- sign -159.153+/-29.699 χ^2/NDF: 66.8/42

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 116.016+/-0.031 χ^2/NDF: 1414072.8/19

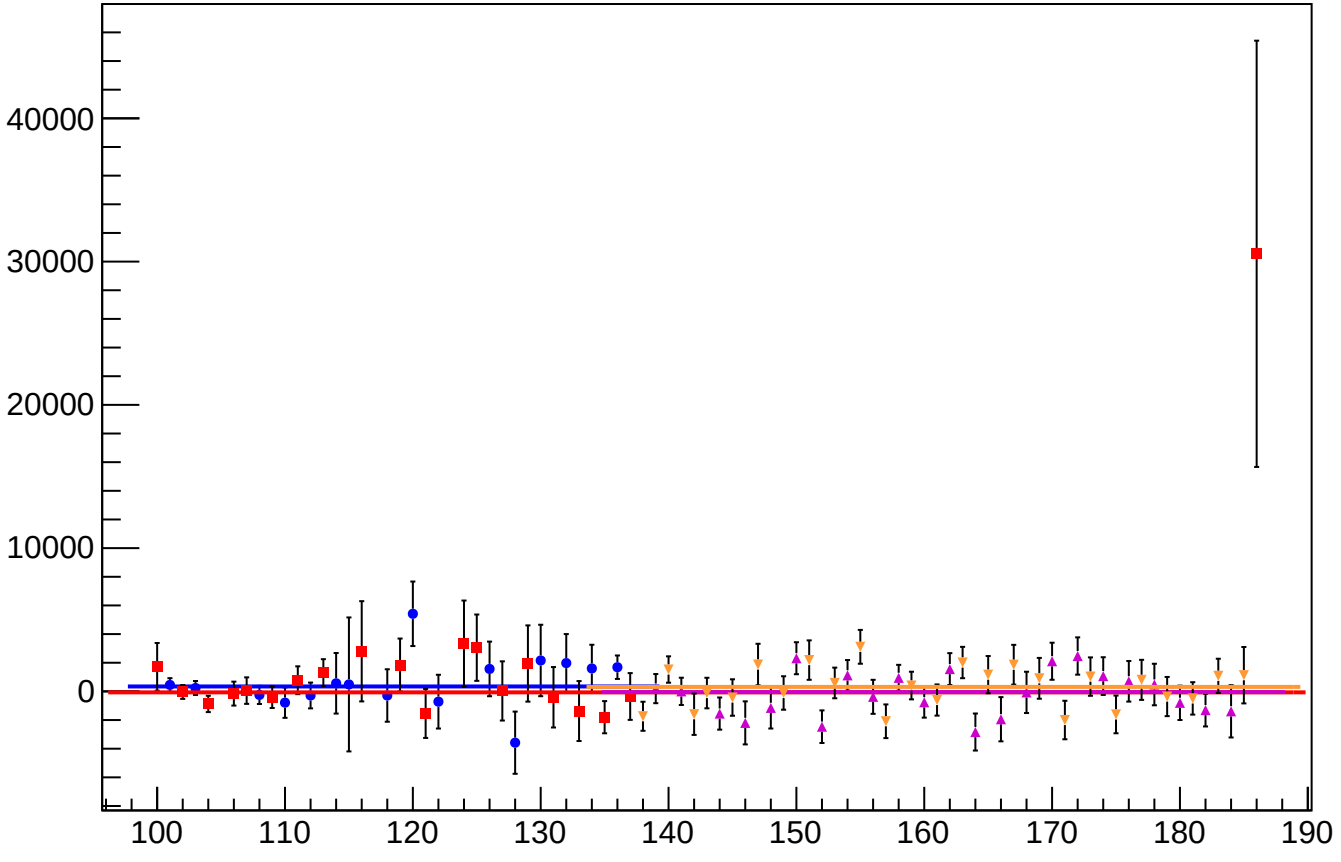
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 149.435+/-0.021 χ^2/NDF: 2265519.2/40

All: 147.973+/-0.015 χ^2/NDF: 5816377.6/83

- sign 146.509+/-0.021 χ^2/NDF: 3541149.1/42

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -67.436+/-240.448 χ^2/NDF: 19.5/19

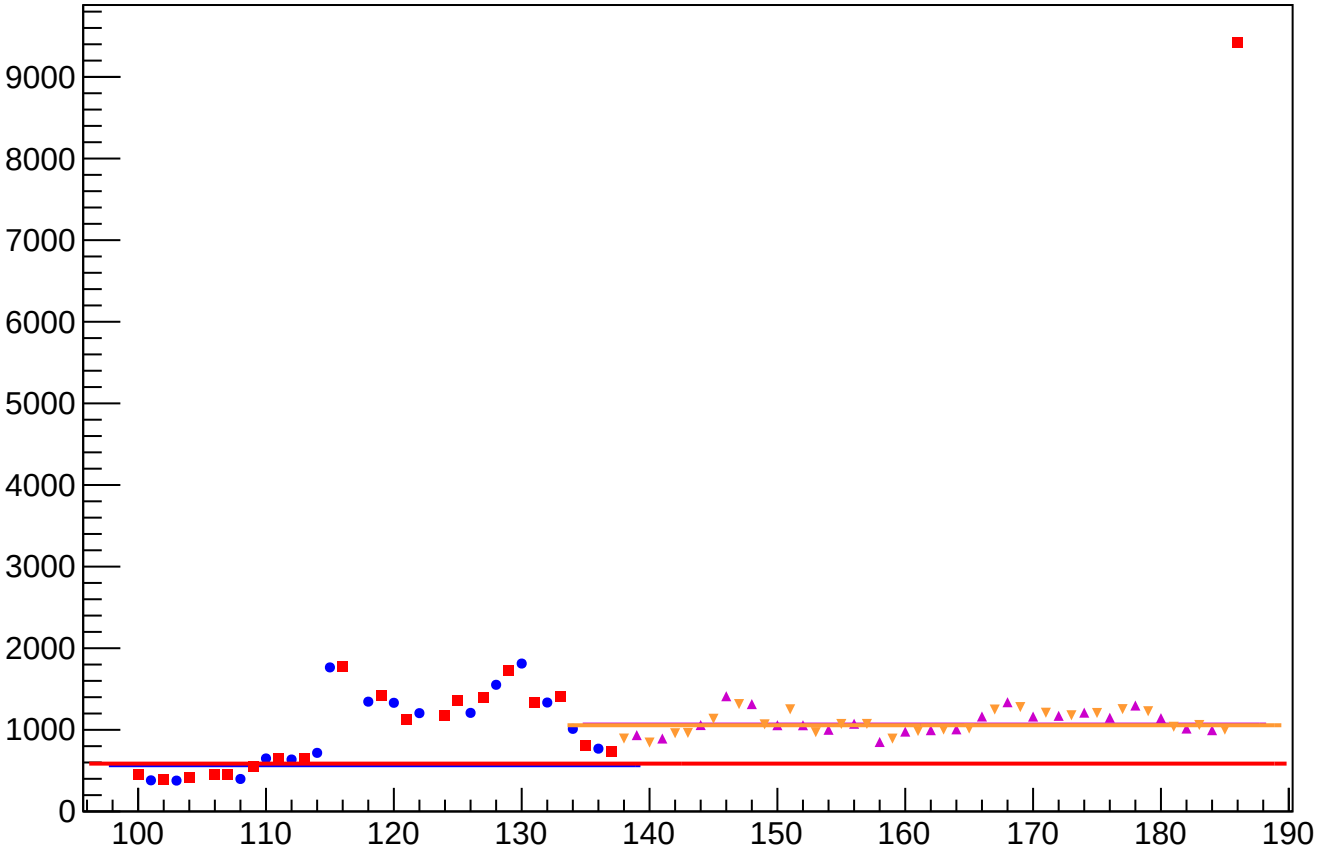
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 329.094+/-171.096 χ^2/NDF: 49.1/40

All: 138.599+/-121.899 χ^2/NDF: 105.6/83

- sign -57.777+/-173.716 χ^2/NDF: 53.9/42

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 586.102+/-0.170 χ^2/NDF: 3812553.9/19

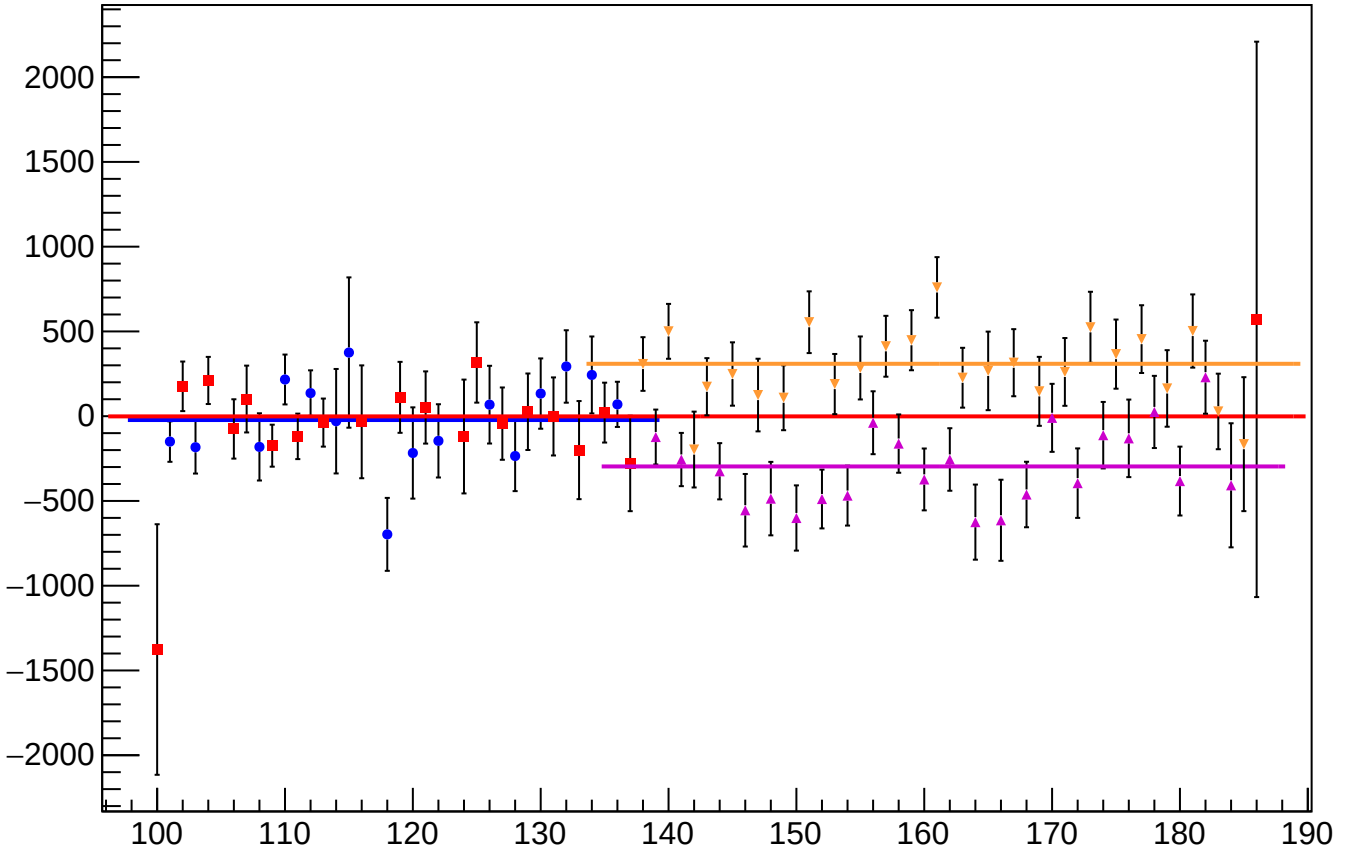
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 810.585+/-0.121 χ^2/NDF: 8139441.6/40

All: 812.703+/-0.086 χ^2/NDF: 16351387.4/83

- sign 814.886+/-0.123 χ^2/NDF: 8211323.5/42

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -1.196+/-43.548 χ^2/NDF: 14.4/19

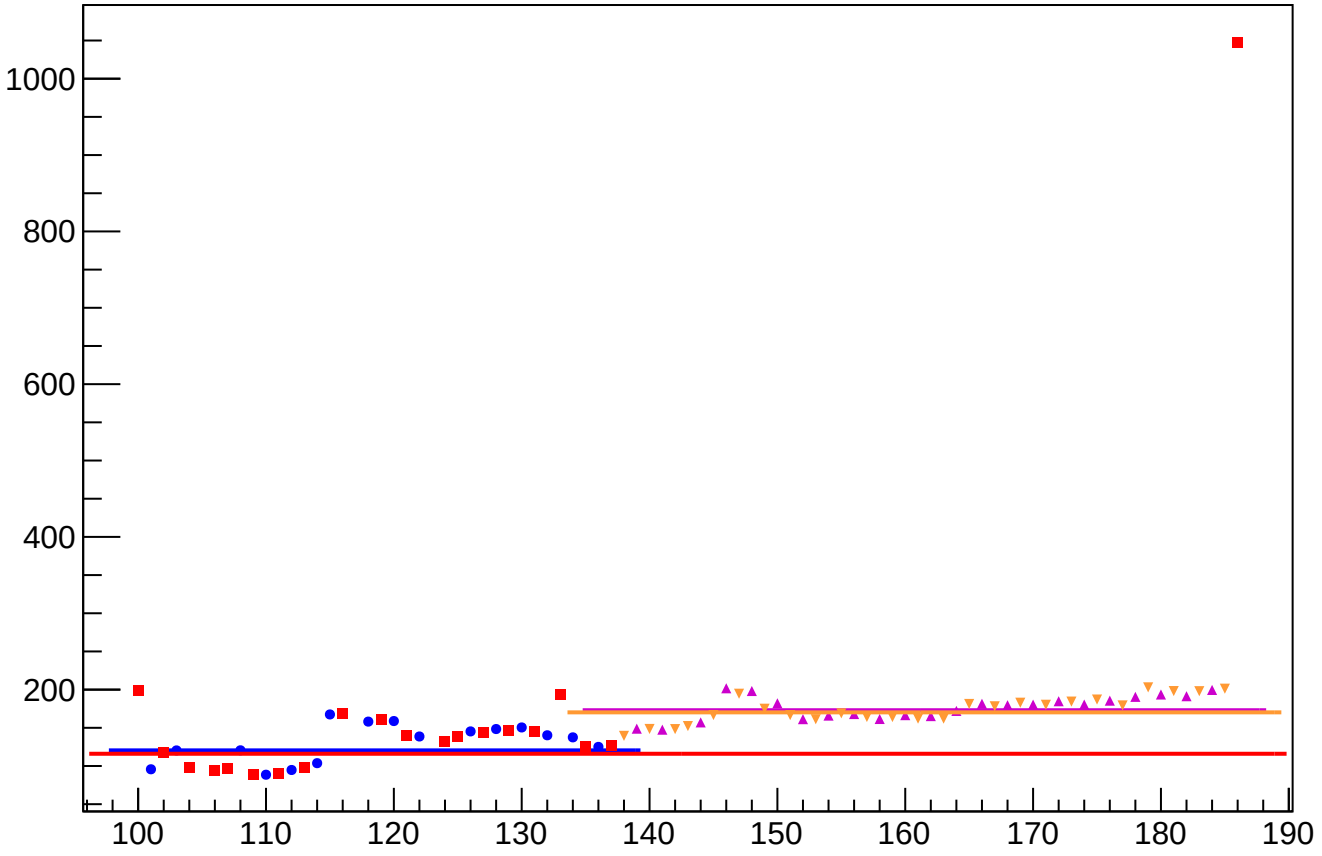
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 170.399+/-29.679 χ^2/NDF: 80.1/40

All: 5.733+/-20.993 χ^2/NDF: 208.6/83

- sign -159.154+/-29.699 χ^2/NDF: 66.8/42

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 116.015+/-0.031 χ^2/NDF: 1414072.1/19

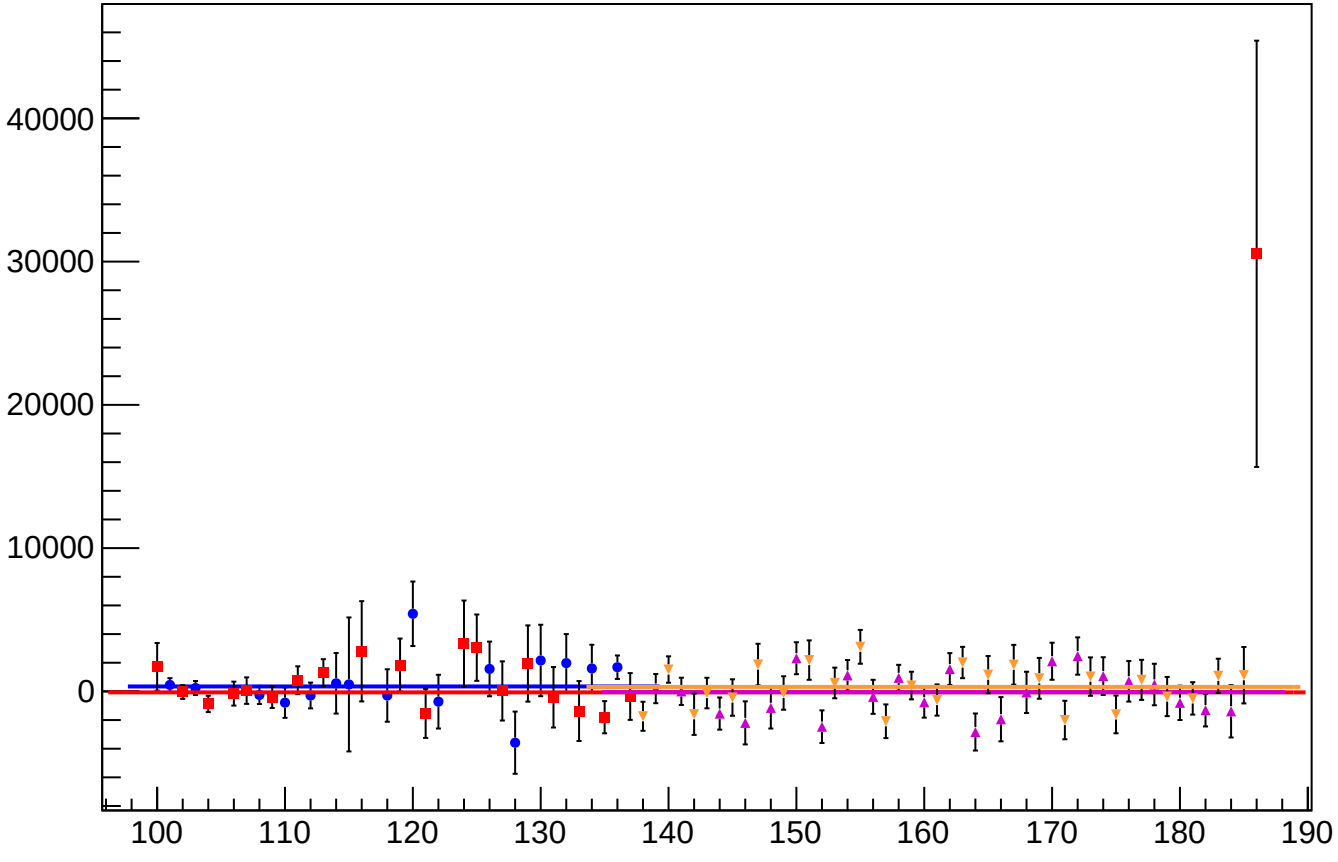
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 149.435+/-0.021 χ^2/NDF: 2265531.4/40

All: 147.973+/-0.015 χ^2/NDF: 5816395.8/83

- sign 146.509+/-0.021 χ^2/NDF: 3541155.3/42

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -67.437+/-240.448 χ^2/NDF: 19.5/19

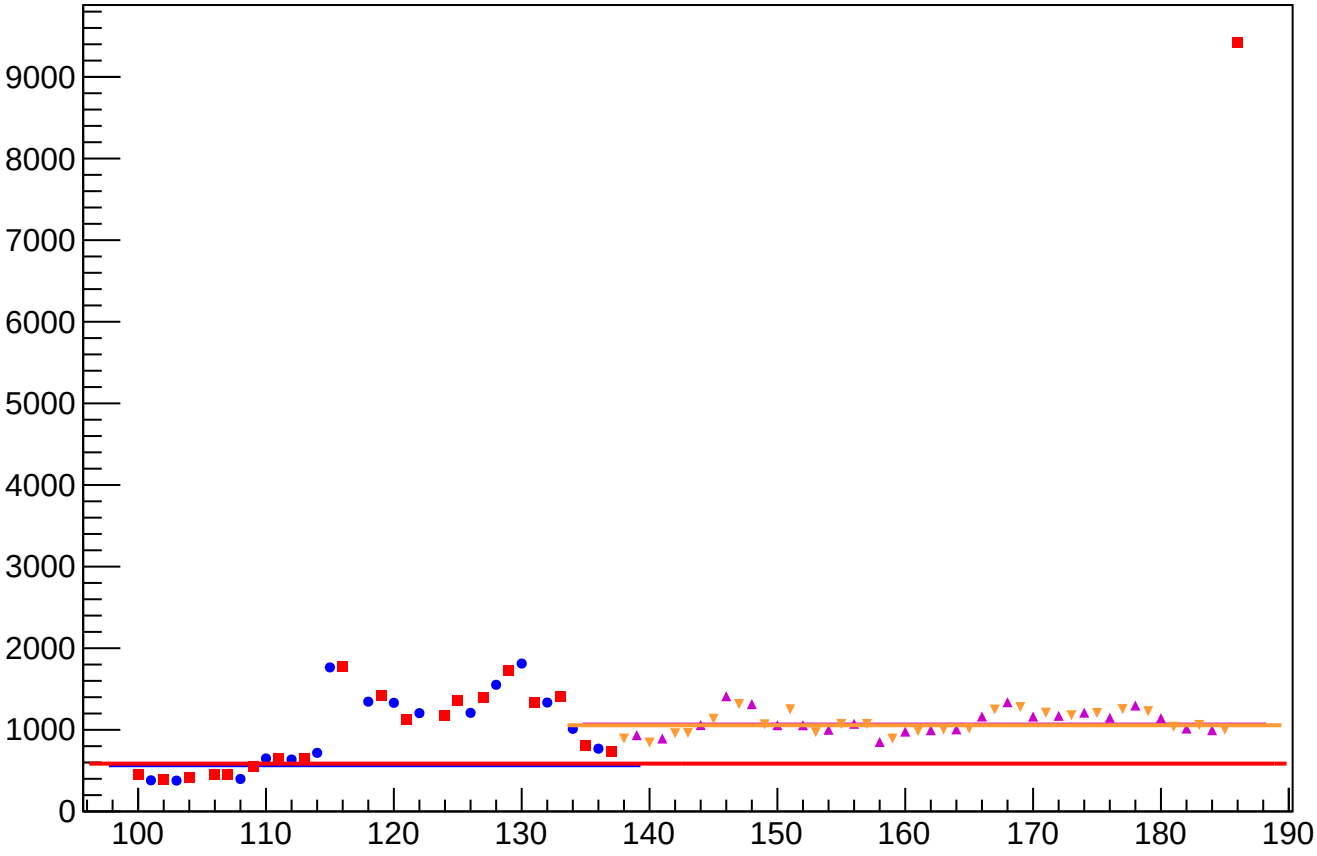
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 329.094+/-171.096 χ^2/NDF: 49.1/40

All: 138.598+/-121.899 χ^2/NDF: 105.6/83

- sign -57.778+/-173.716 χ^2/NDF: 53.9/42

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 586.101+/-0.170 χ^2/NDF: 3812554.0/19

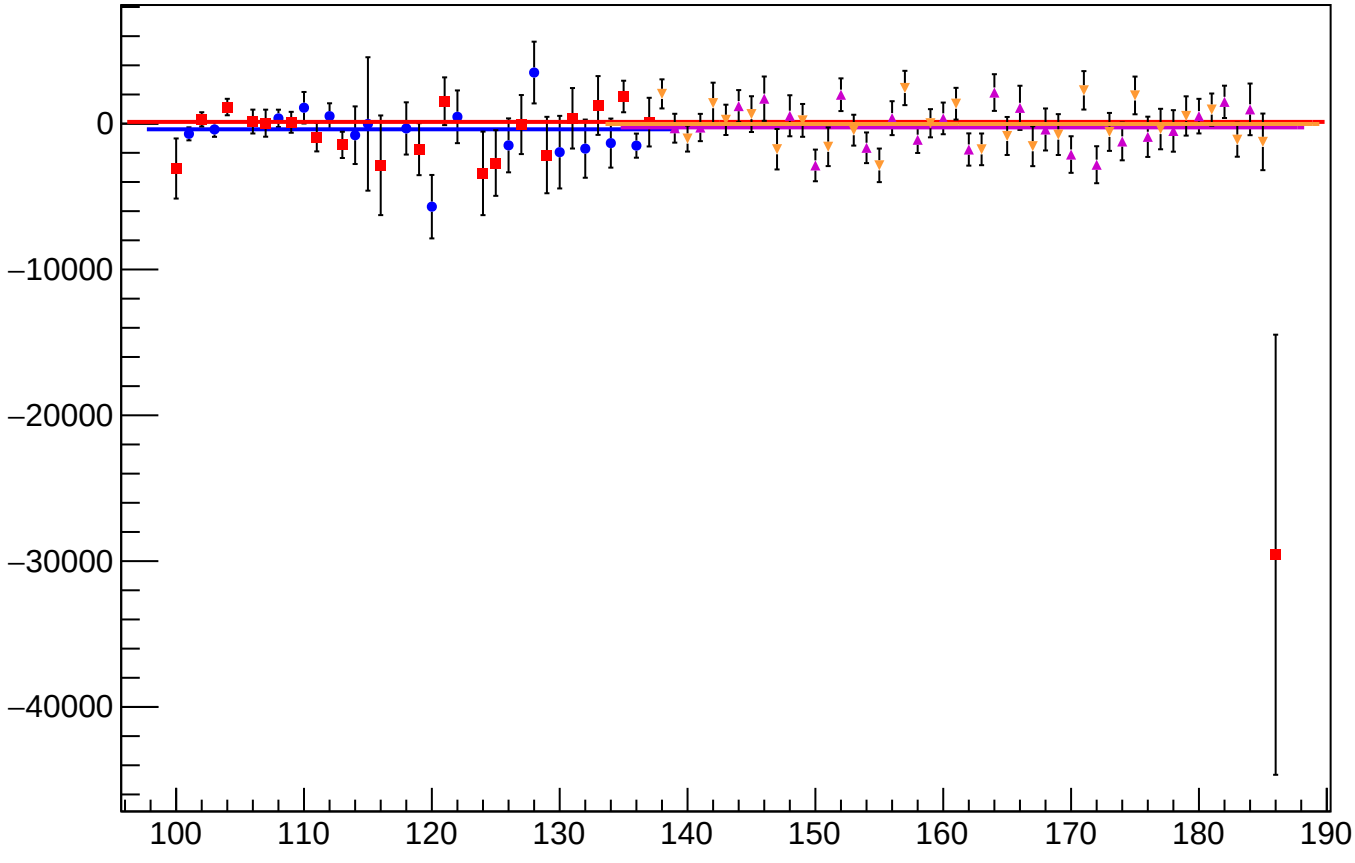
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 810.584+/-0.121 χ^2/NDF: 8139470.6/40

All: 812.702+/-0.086 χ^2/NDF: 16351430.5/83

- sign 814.885+/-0.123 χ^2/NDF: 8211337.6/42

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 121.185+/-238.211 χ^2/NDF: 23.3/19

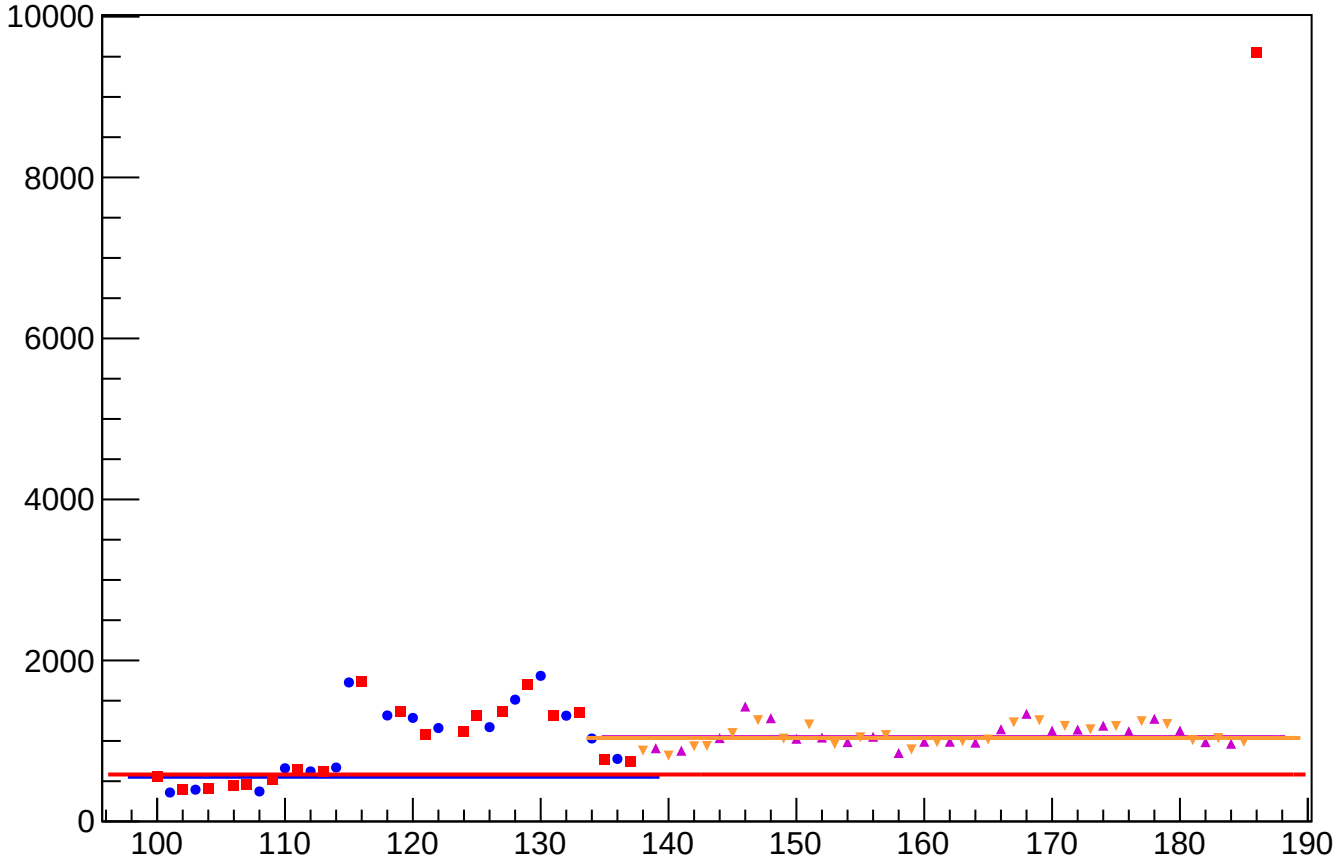
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -204.535+/-168.113 χ^2/NDF: 53.6/40

All: -133.787+/-120.064 χ^2/NDF: 112.0/83

- sign -60.134+/-171.531 χ^2/NDF: 58.0/42

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

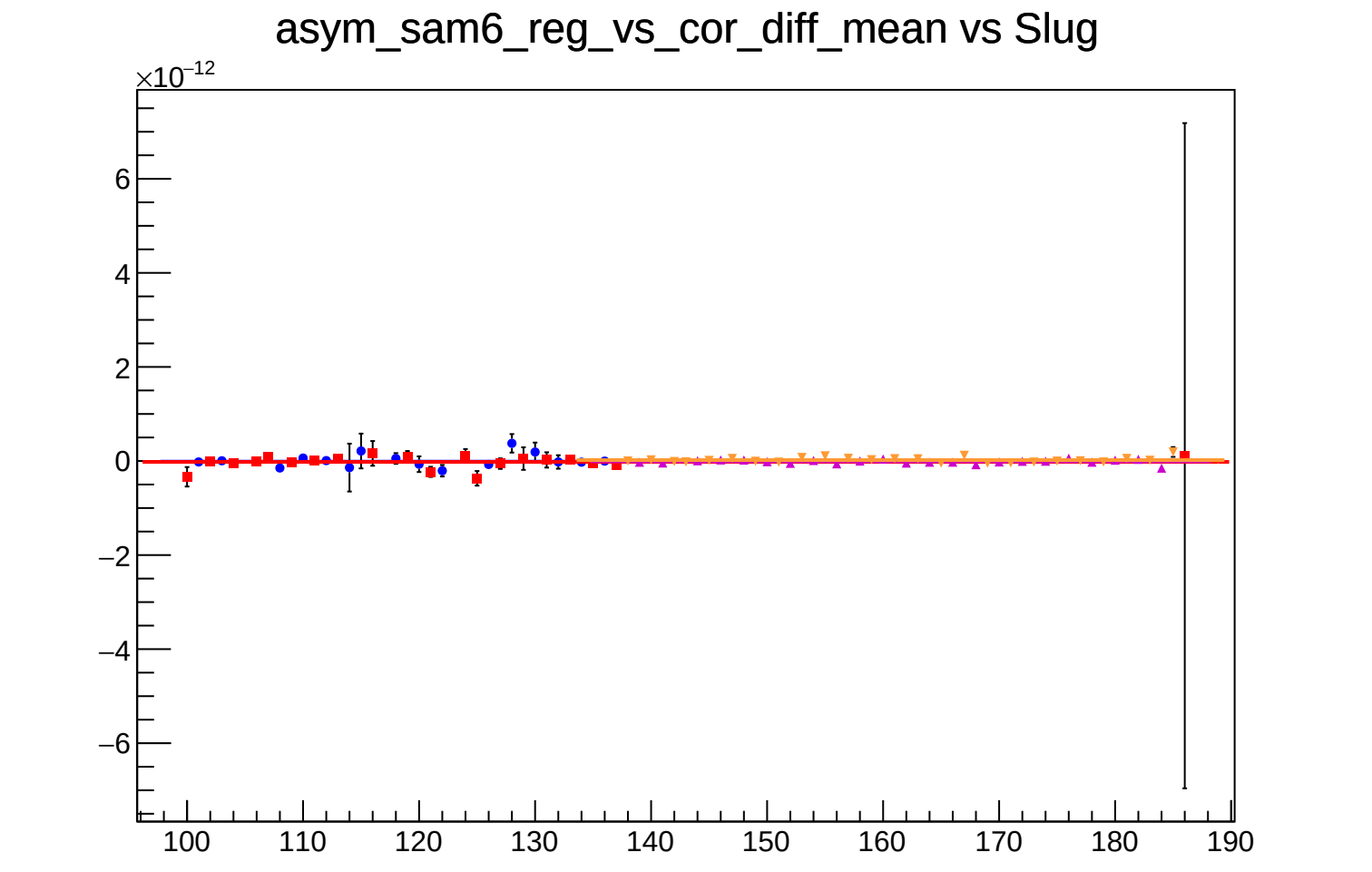
Right Out: 583.230+/-0.168 χ^2/NDF: 3689388.1/19

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 795.855+/-0.119 χ^2/NDF: 8178755.0/40

All: 801.232+/-0.085 χ^2/NDF: 16145582.3/83

- sign 806.830+/-0.121 χ^2/NDF: 7962650.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

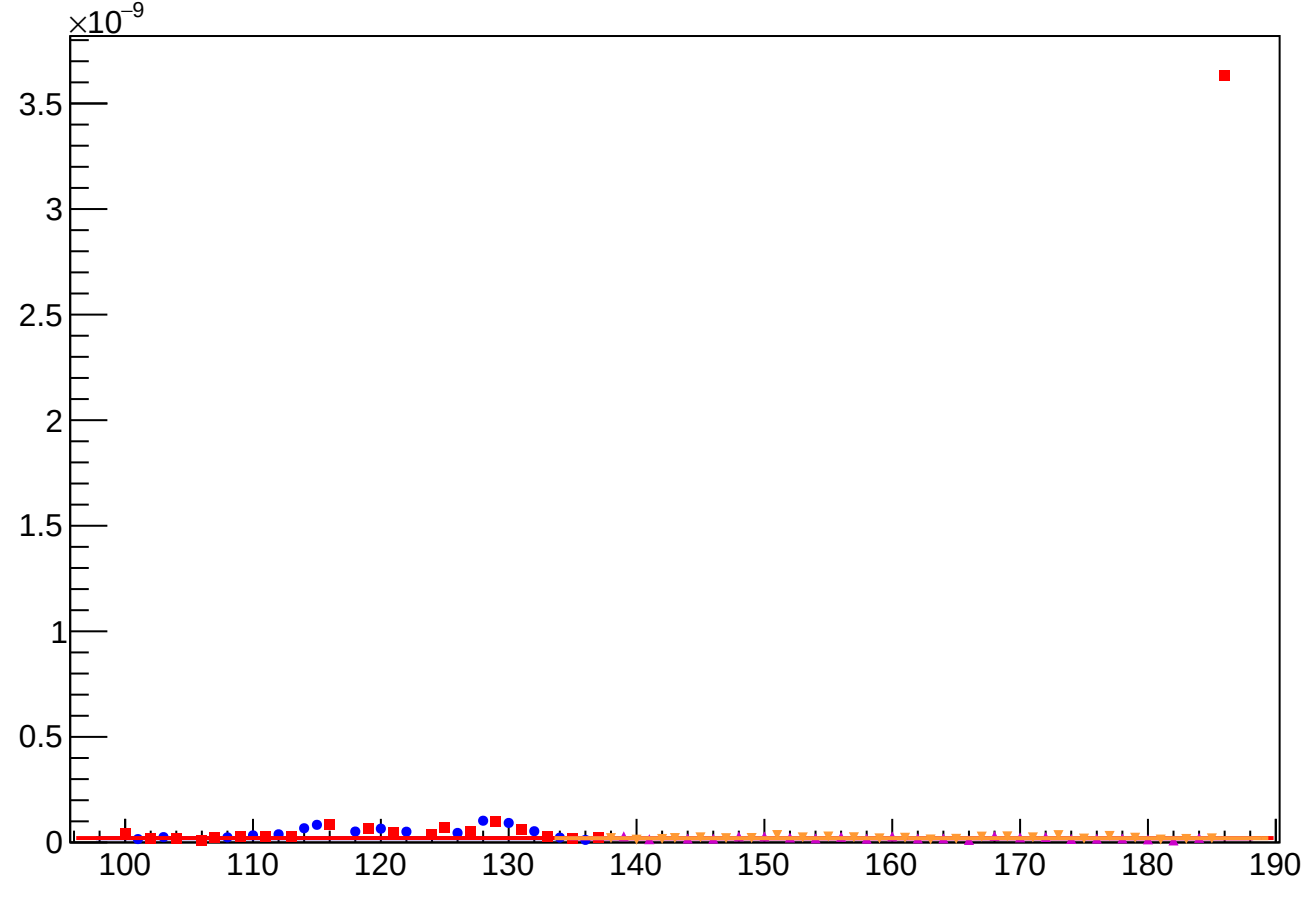
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/19

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.7/40

All: 0.000+/-0.000 χ^2/NDF: 94.4/83

- sign -0.000+/-0.000 χ^2/NDF: 39.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2377699.9/19

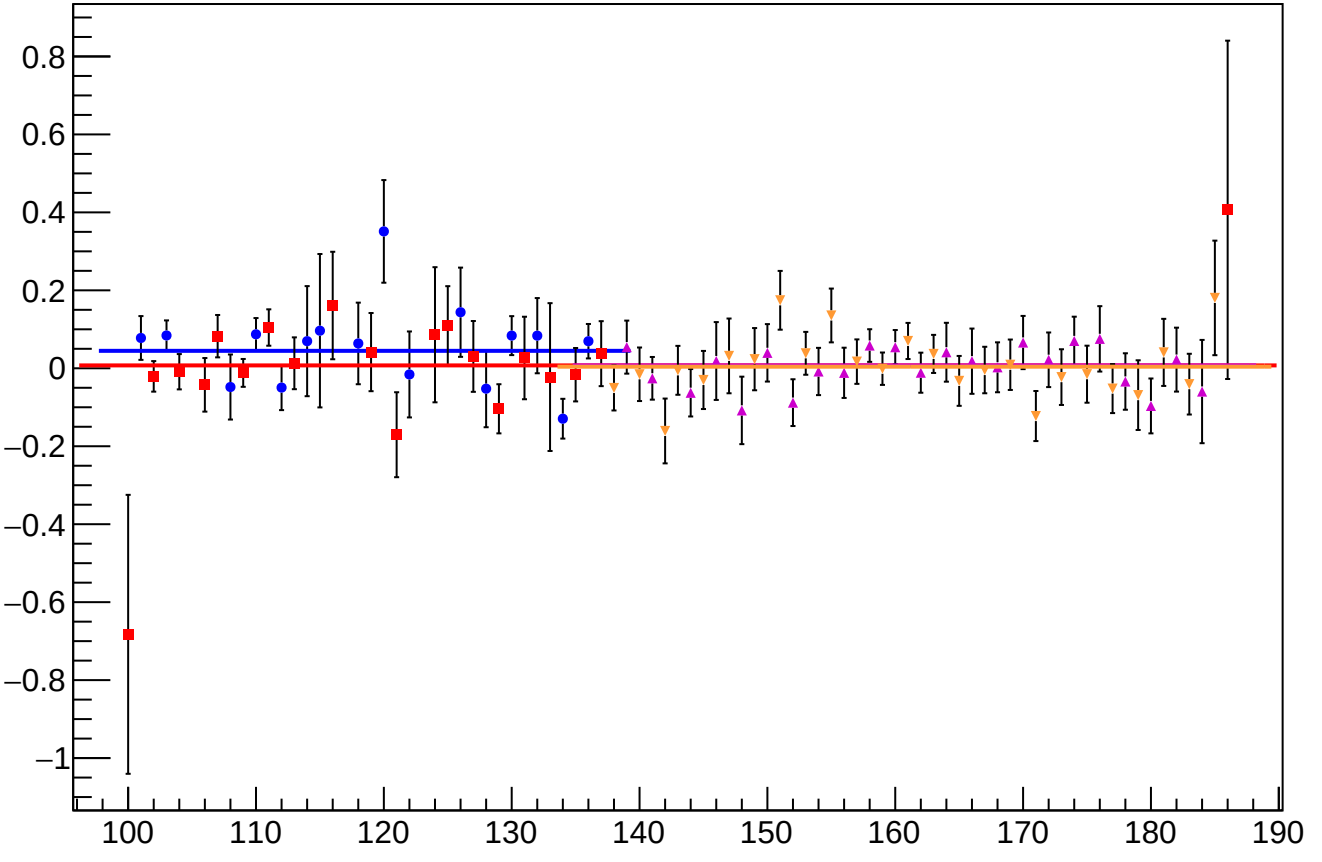
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 2998273.6/40

All: 0.000+/-0.000 χ^2/NDF: 6453438.4/83

- sign 0.000+/-0.000 χ^2/NDF: 3446844.3/42

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

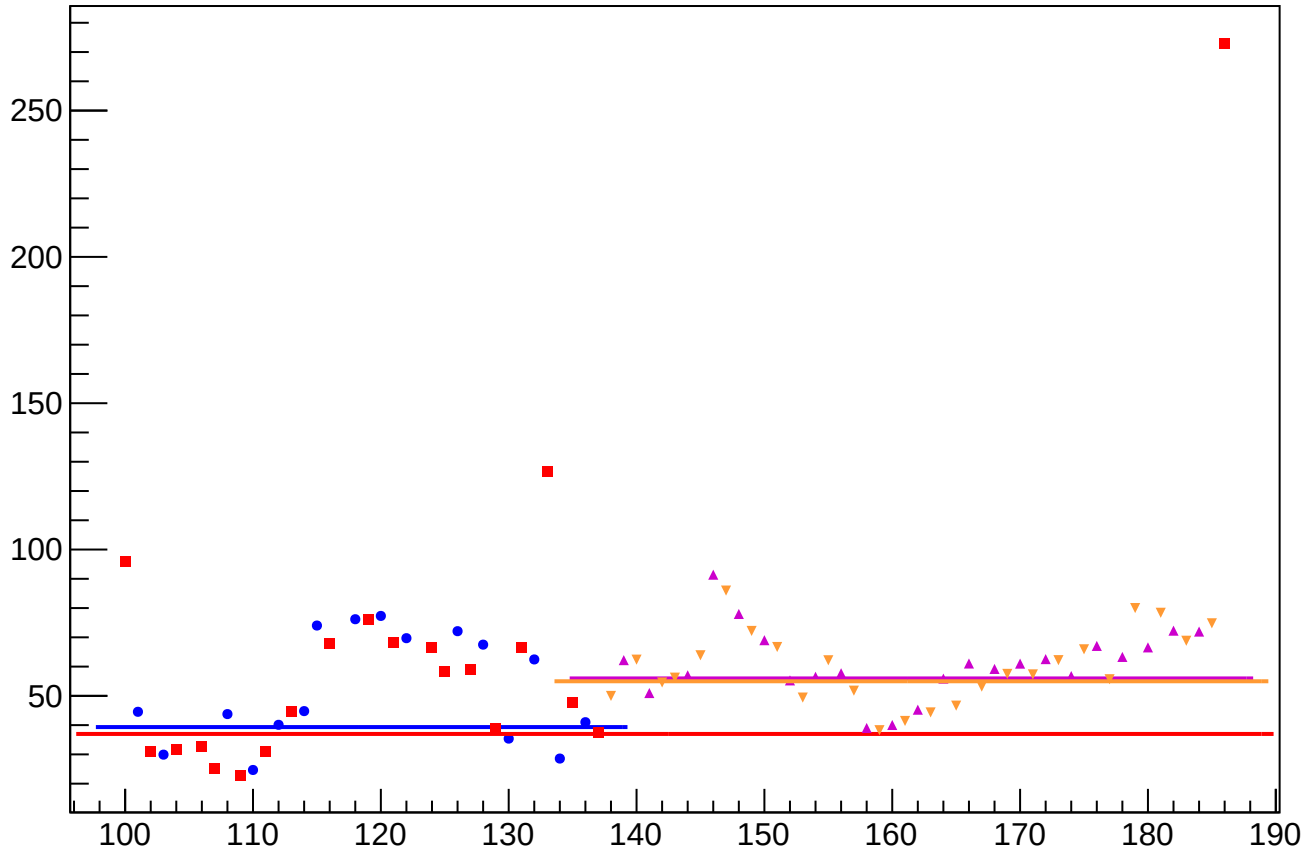
Right Out: 0.007+/-0.015 χ^2/NDF: 21.0/19

Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.020+/-0.010 χ^2/NDF: 55.3/40

All: 0.014+/-0.007 χ^2/NDF: 92.2/83

- sign 0.007+/-0.010 χ^2/NDF: 36.1/42



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

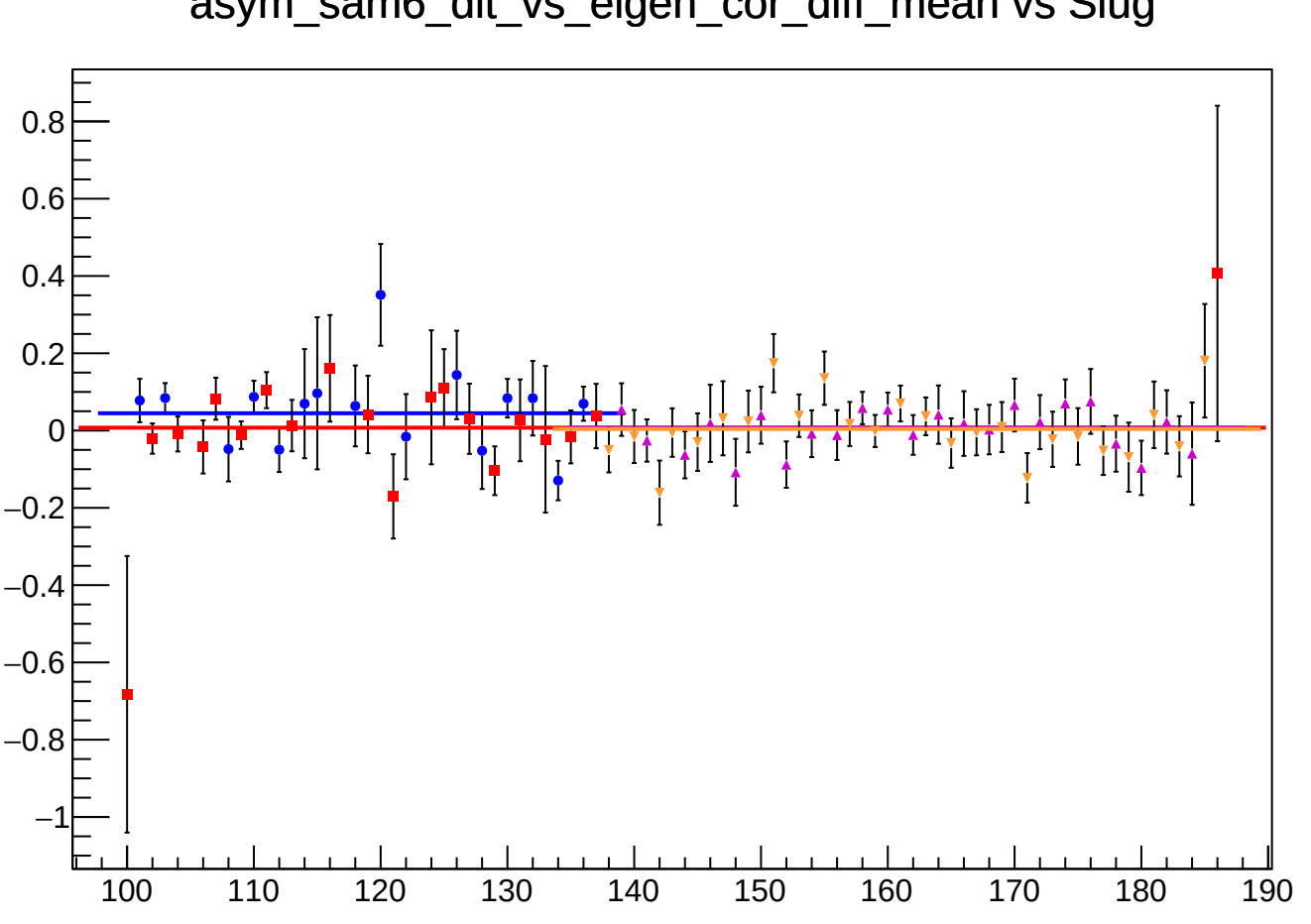
Right Out: 36.986+/-0.011 χ^2/NDF: 2688425.2/19

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 48.799+/-0.007 χ^2/NDF: 4287514.2/40

All: 48.158+/-0.005 χ^2/NDF: 10150314.5/83

- sign 47.517+/-0.007 χ^2/NDF: 5846609.3/42



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.007+/-0.015 χ^2/NDF: 21.0/19

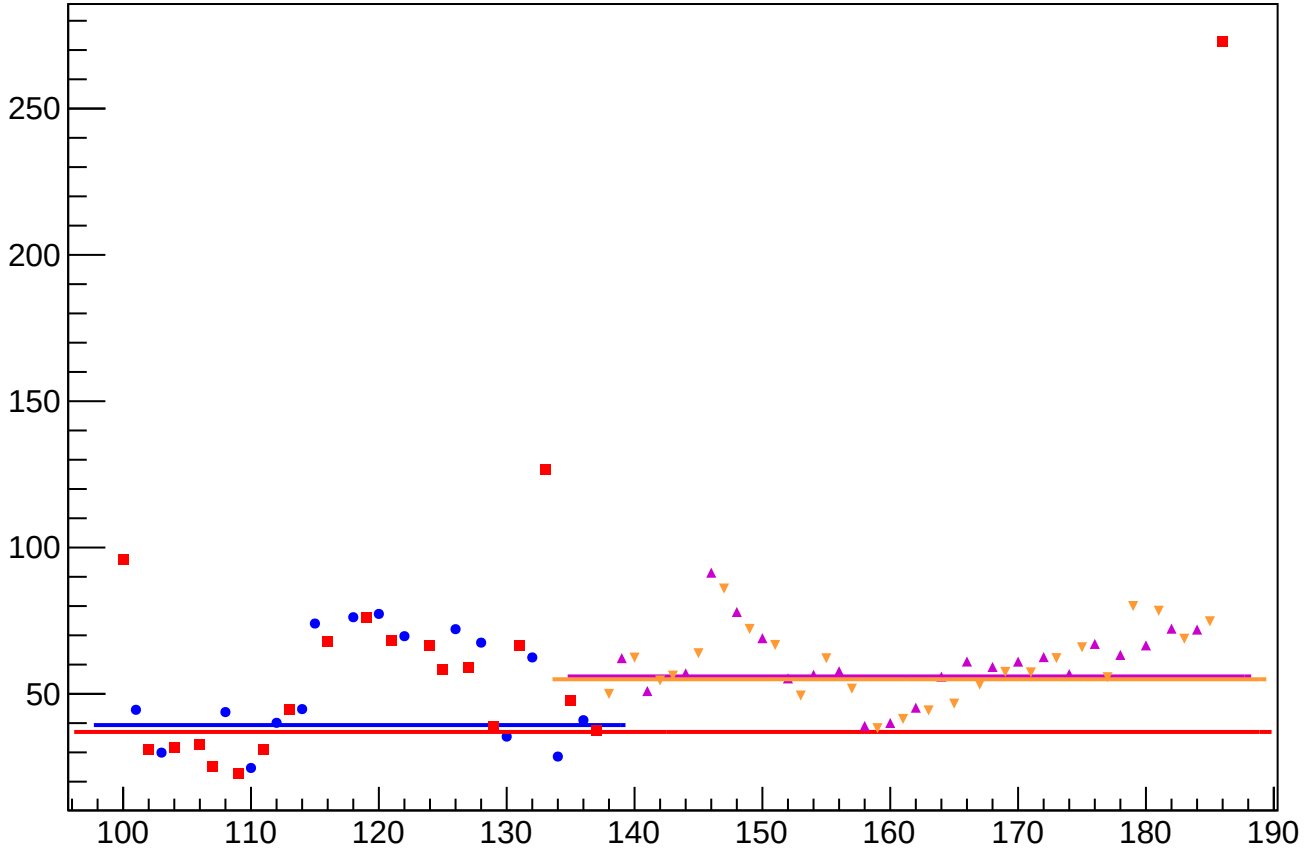
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.020+/-0.010 χ^2/NDF: 55.3/40

All: 0.014+/-0.007 χ^2/NDF: 92.2/83

- sign 0.007+/-0.010 χ^2/NDF: 36.1/42

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

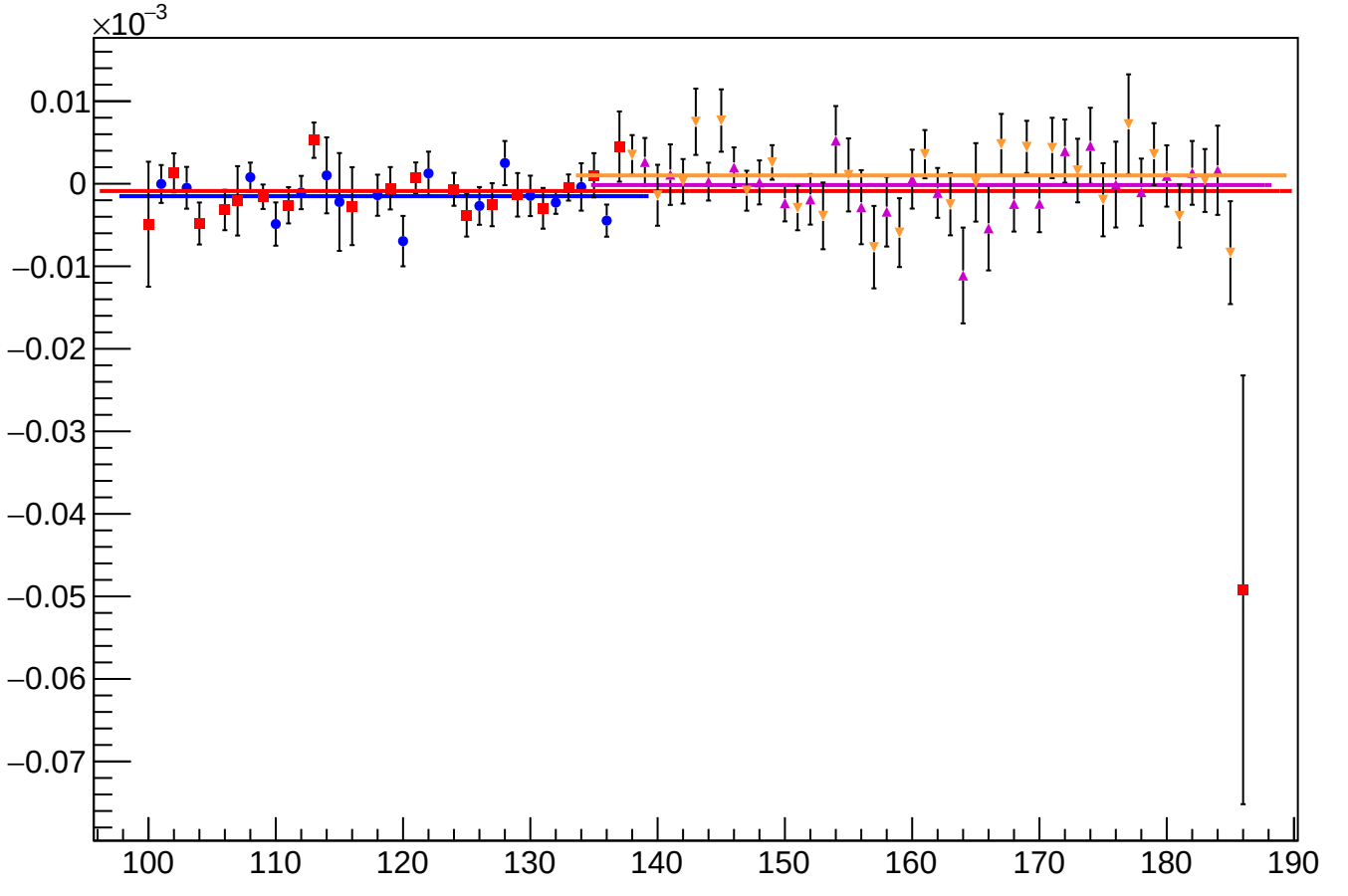
Right Out: 36.986+/-0.011 χ^2/NDF: 2688425.2/19

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 48.799+/-0.007 χ^2/NDF: 4287514.2/40

All: 48.158+/-0.005 χ^2/NDF: 10150314.5/83

- sign 47.517+/-0.007 χ^2/NDF: 5846609.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/19

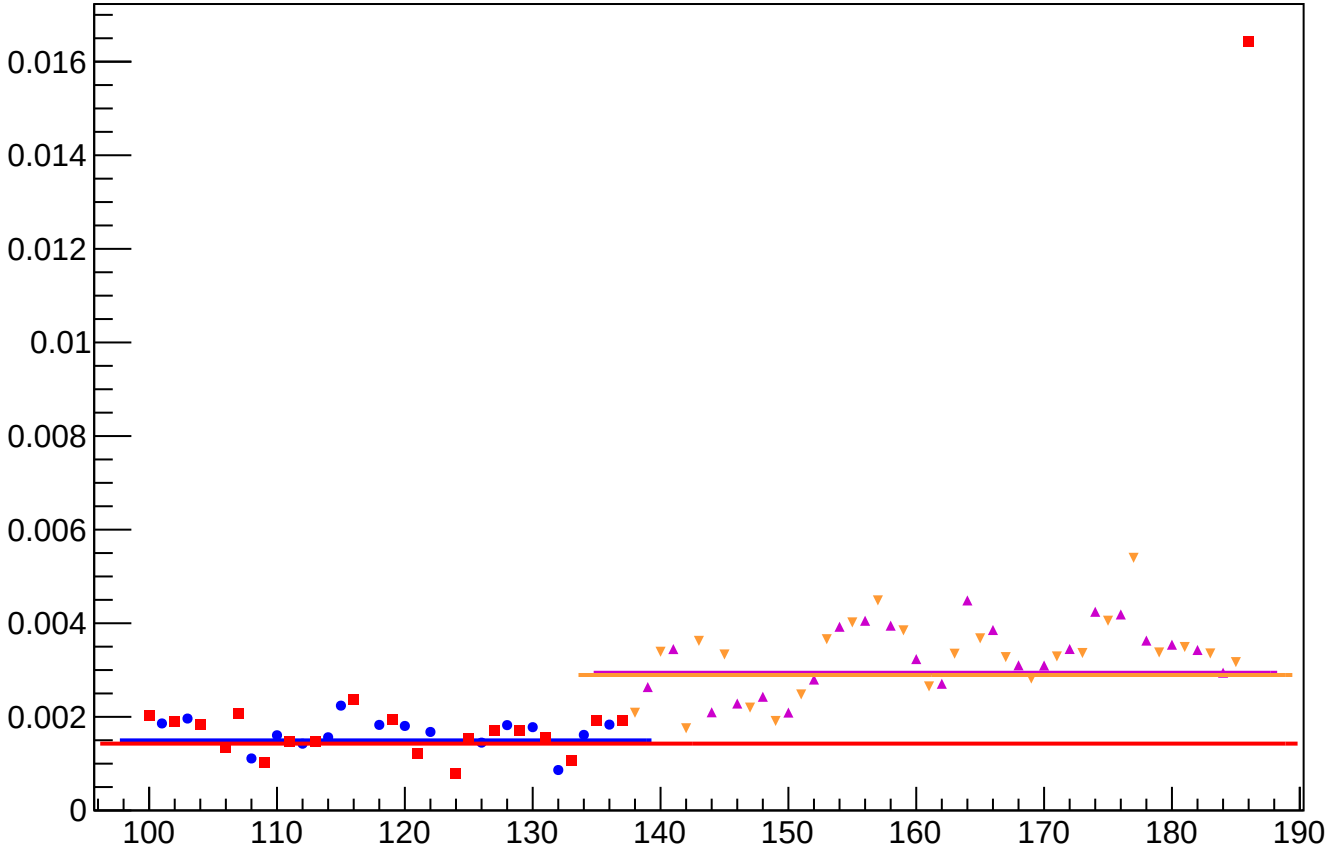
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.3/40

All: -0.000+/-0.000 χ^2/NDF: 87.6/83

- sign -0.000+/-0.000 χ^2/NDF: 37.3/42

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

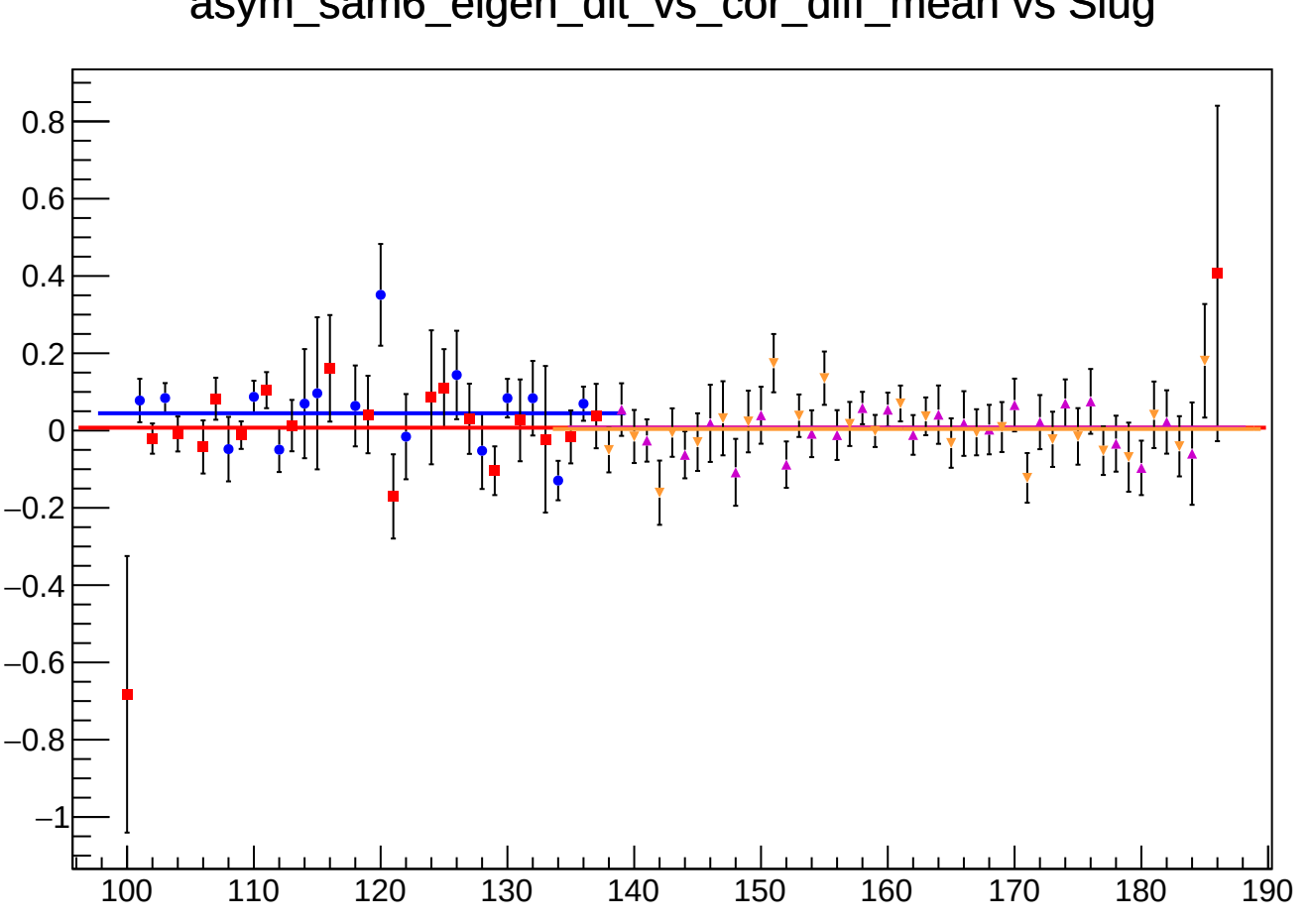
Right Out: 0.001+/-0.000 χ^2/NDF: 1665535.3/19

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 8341512.9/40

All: 0.002+/-0.000 χ^2/NDF: 17680433.5/83

- sign 0.002+/-0.000 χ^2/NDF: 9293270.9/42



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.007+/-0.015 χ^2/NDF: 21.0/19

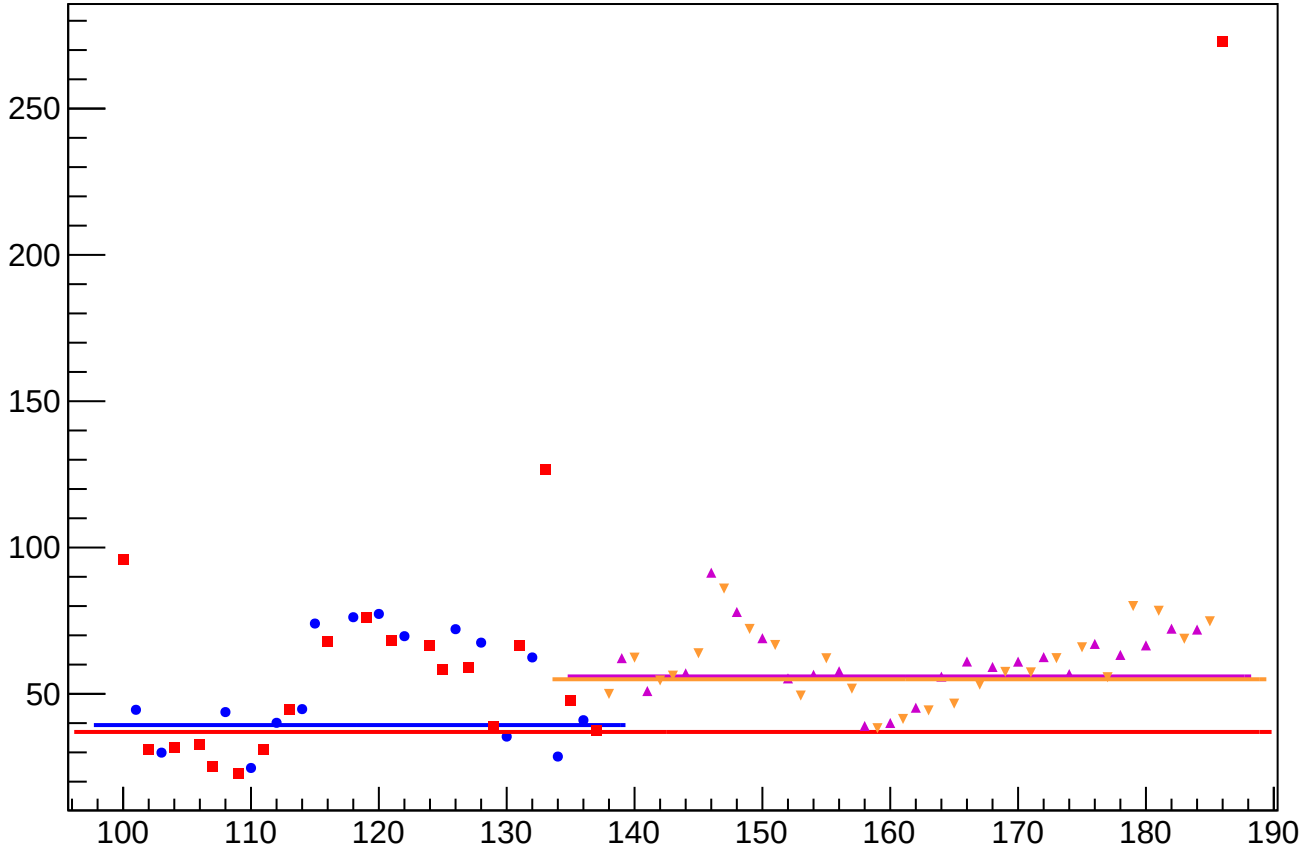
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.020+/-0.010 χ^2/NDF: 55.3/40

All: 0.014+/-0.007 χ^2/NDF: 92.2/83

- sign 0.007+/-0.010 χ^2/NDF: 36.1/42

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

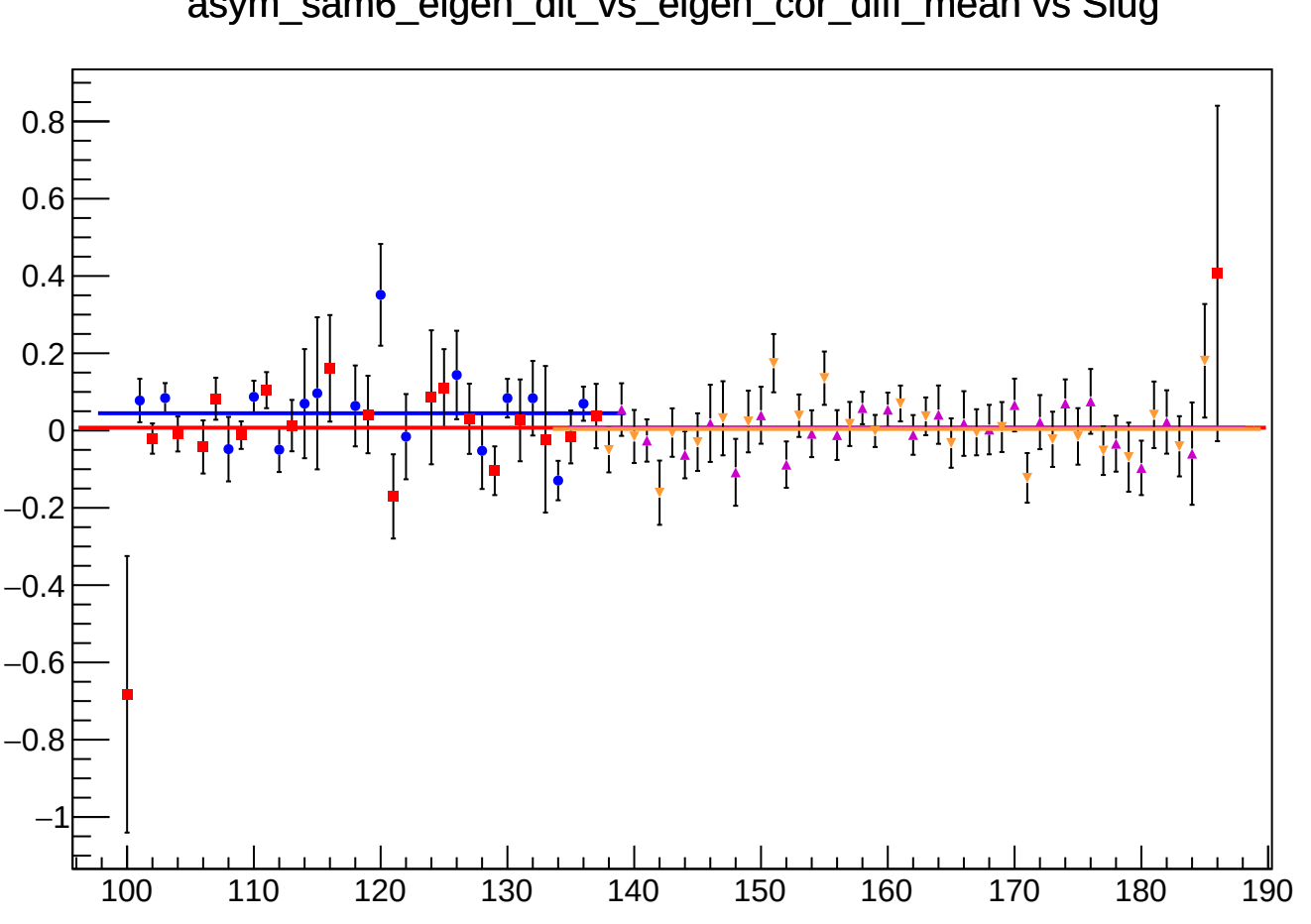
Right Out: 36.985+/-0.011 χ^2/NDF: 2688420.0/19

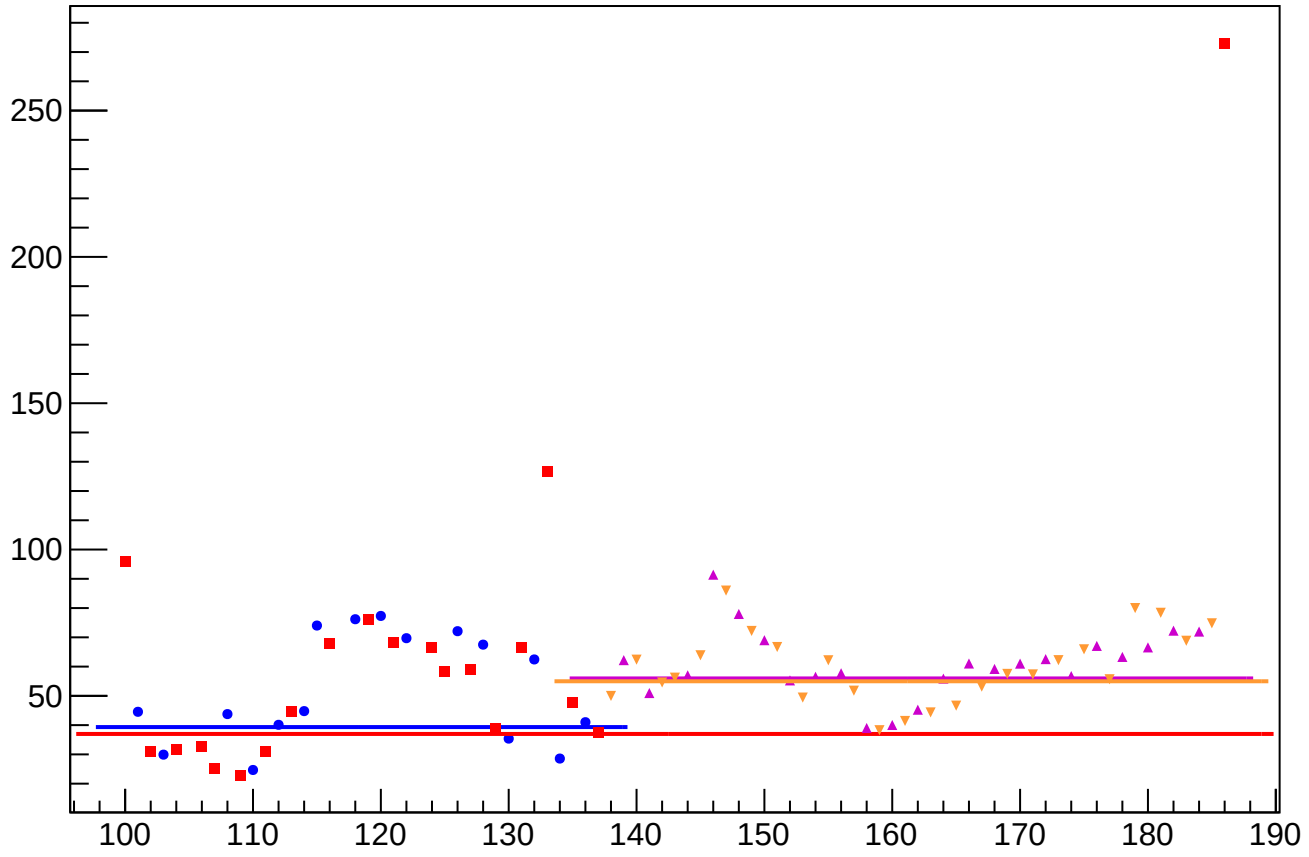
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 48.798+/-0.007 χ^2/NDF: 4287618.2/40

All: 48.157+/-0.005 χ^2/NDF: 10150453.4/83

- 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: 26.6/15
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: 55.3/40
All: 0.014+/-0.007 χ²/NDF: 92.2/83
- sign 0.007+/-0.010 χ²/NDF: 36.1/42



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

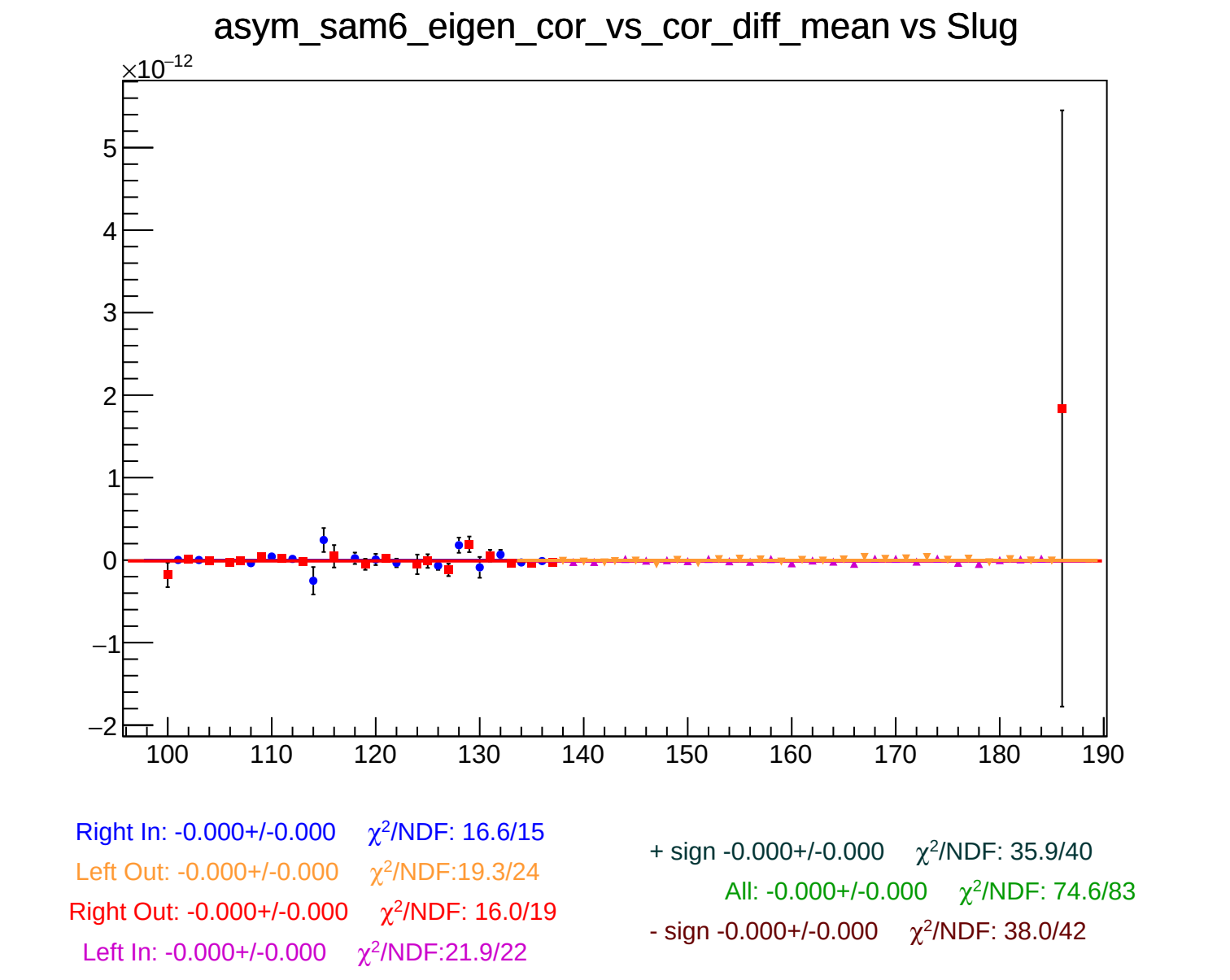
Right Out: 36.985+/-0.011 χ^2/NDF: 2688420.0/19

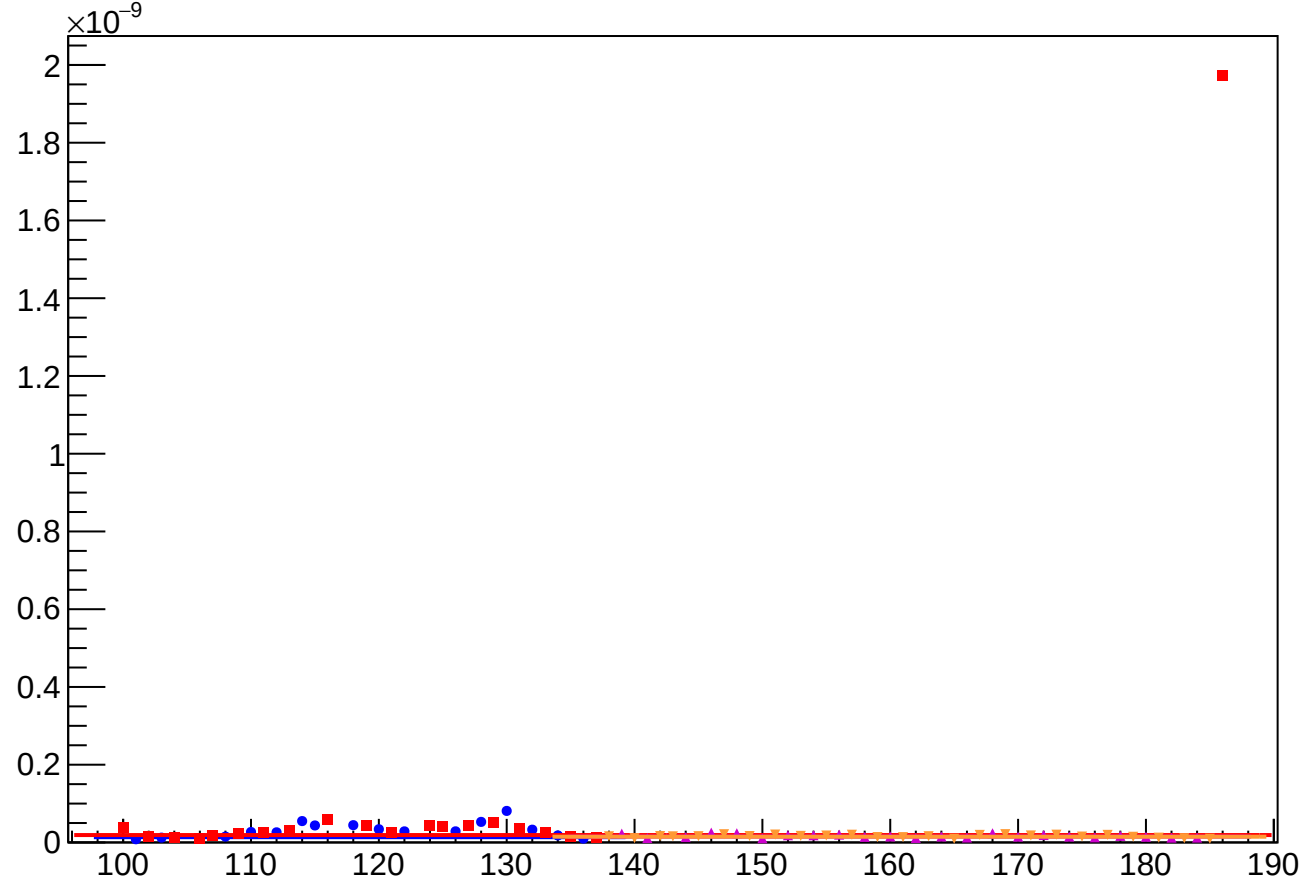
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 48.798+/-0.007 χ^2/NDF: 4287618.2/40

All: 48.157+/-0.005 χ^2/NDF: 10150453.4/83

- sign 47.516+/-0.007 χ^2/NDF: 5846646.7/42


asym_sam6_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: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/19
Left In: -0.000+/-0.000 χ²/NDF:21.9/22
+ sign -0.000+/-0.000 χ²/NDF: 35.9/40
All: -0.000+/-0.000 χ²/NDF: 74.6/83
- sign -0.000+/-0.000 χ²/NDF: 38.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2634505.2/19

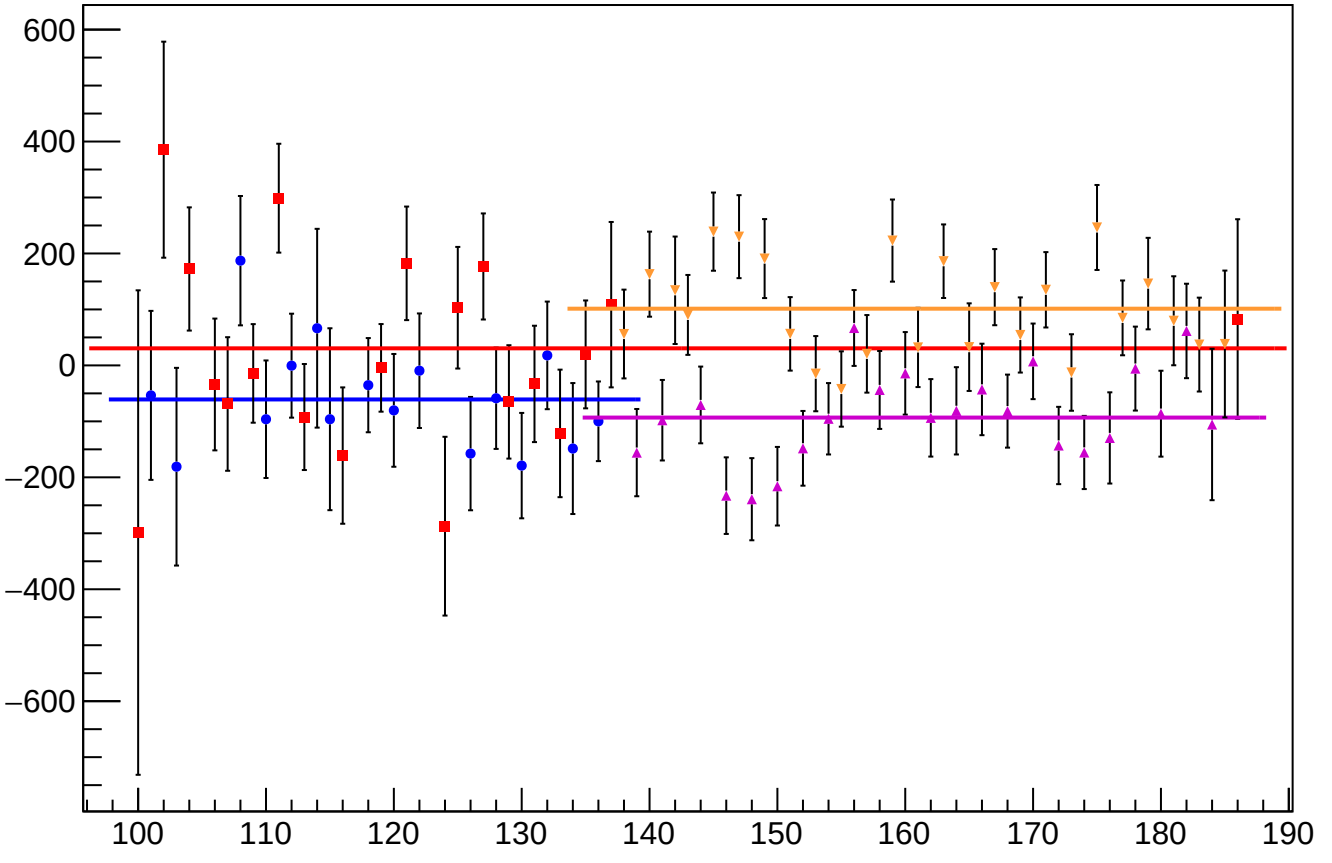
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4631078.7/40

All: 0.000+/-0.000 χ^2/NDF: 9126490.3/83

- sign 0.000+/-0.000 χ^2/NDF: 4395301.2/42

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 30.491+/-24.860 χ^2/NDF: 31.3/19

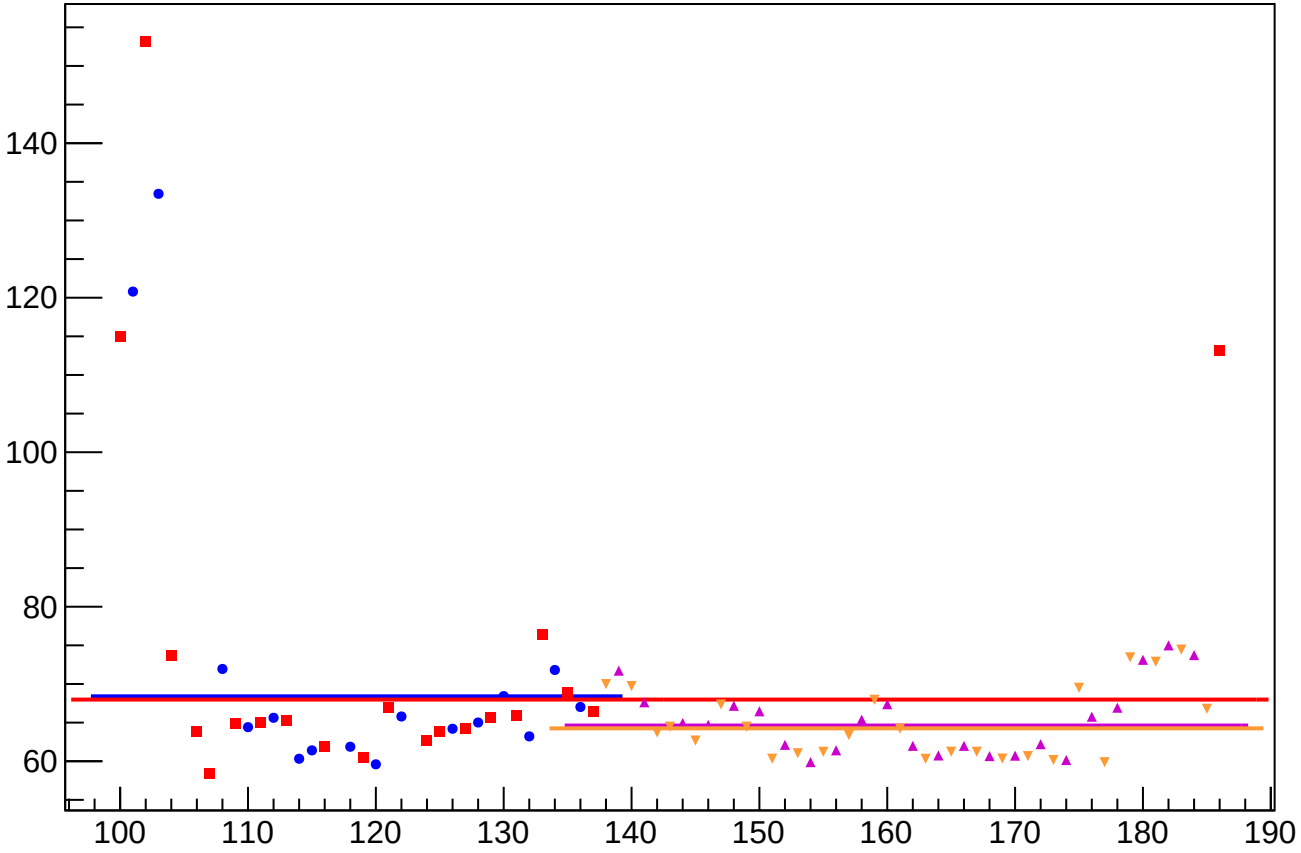
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 62.400+/-12.764 χ^2/NDF: 73.9/40

All: 2.096+/-9.083 χ^2/NDF: 197.3/83

- sign -59.773+/-12.929 χ^2/NDF: 78.2/42

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 67.981+/-0.018 χ^2/NDF: 612601.5/19

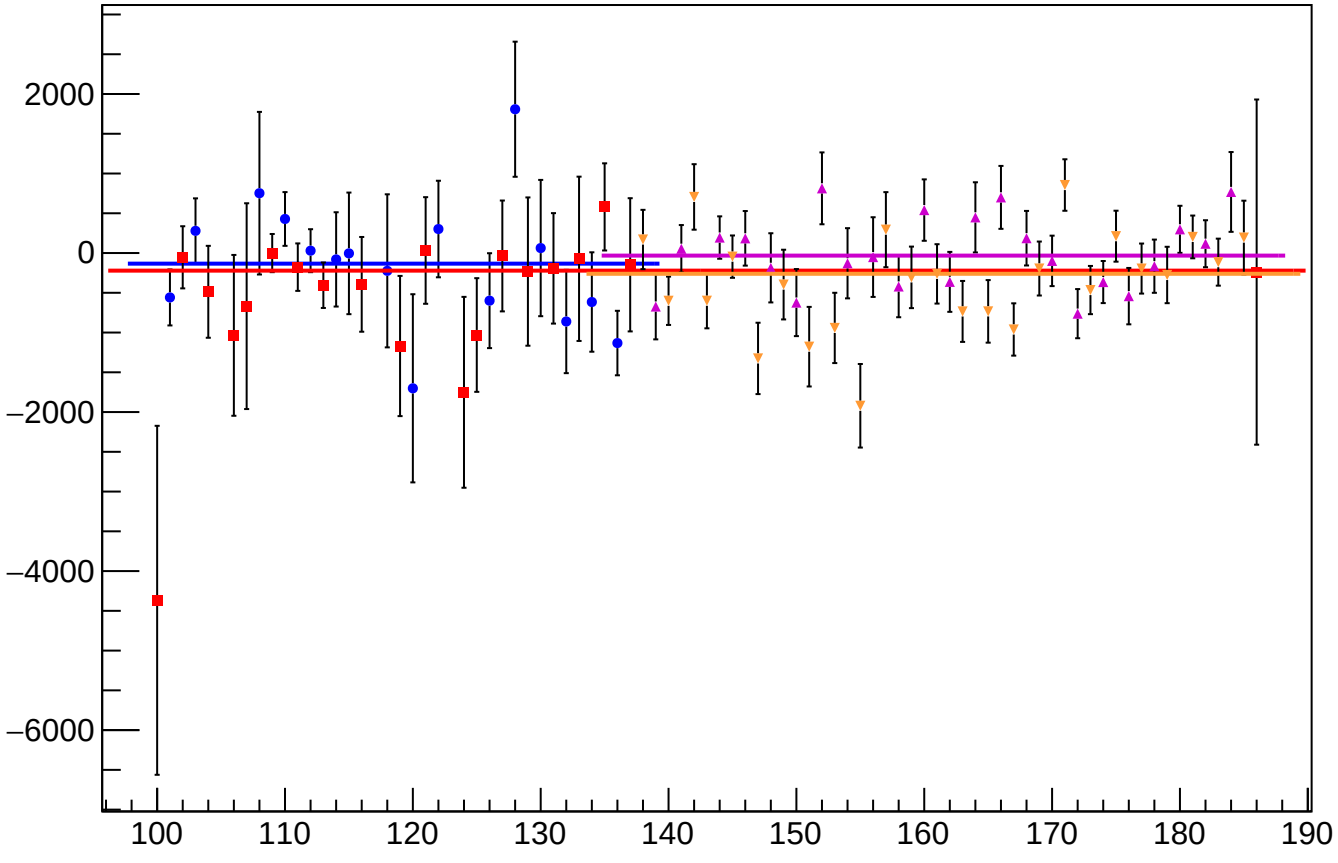
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.251+/-0.009 χ^2/NDF: 785777.4/40

All: 65.389+/-0.006 χ^2/NDF: 1572697.2/83

- sign 65.530+/-0.009 χ^2/NDF: 786449.3/42

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -221.378+/-117.610 χ^2/NDF: 12.5/19

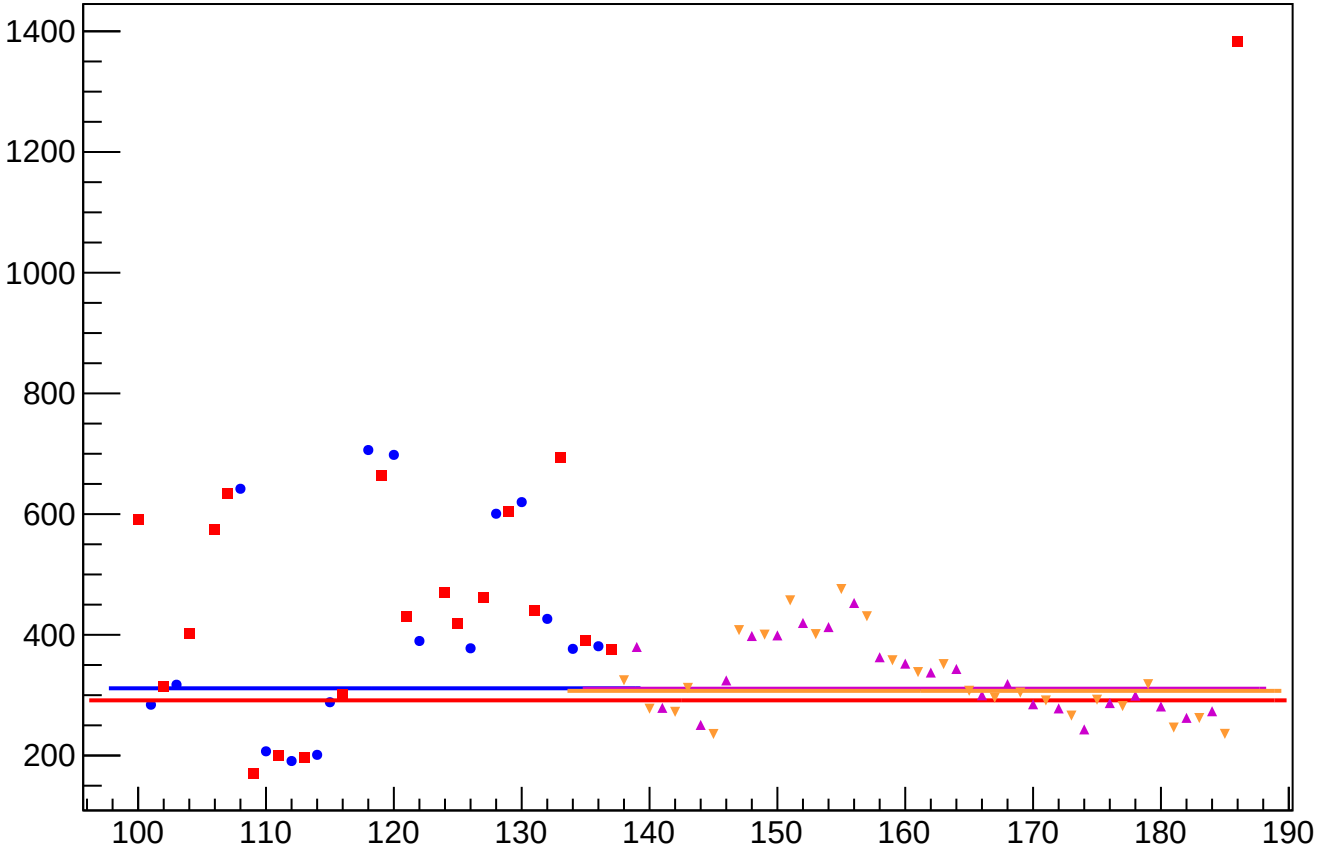
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -230.176+/-62.021 χ^2/NDF: 82.1/40

All: -158.605+/-44.036 χ^2/NDF: 130.9/83

- sign -85.844+/-62.534 χ^2/NDF: 46.1/42

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 291.418+/-0.083 χ^2/NDF: 3222572.7/19

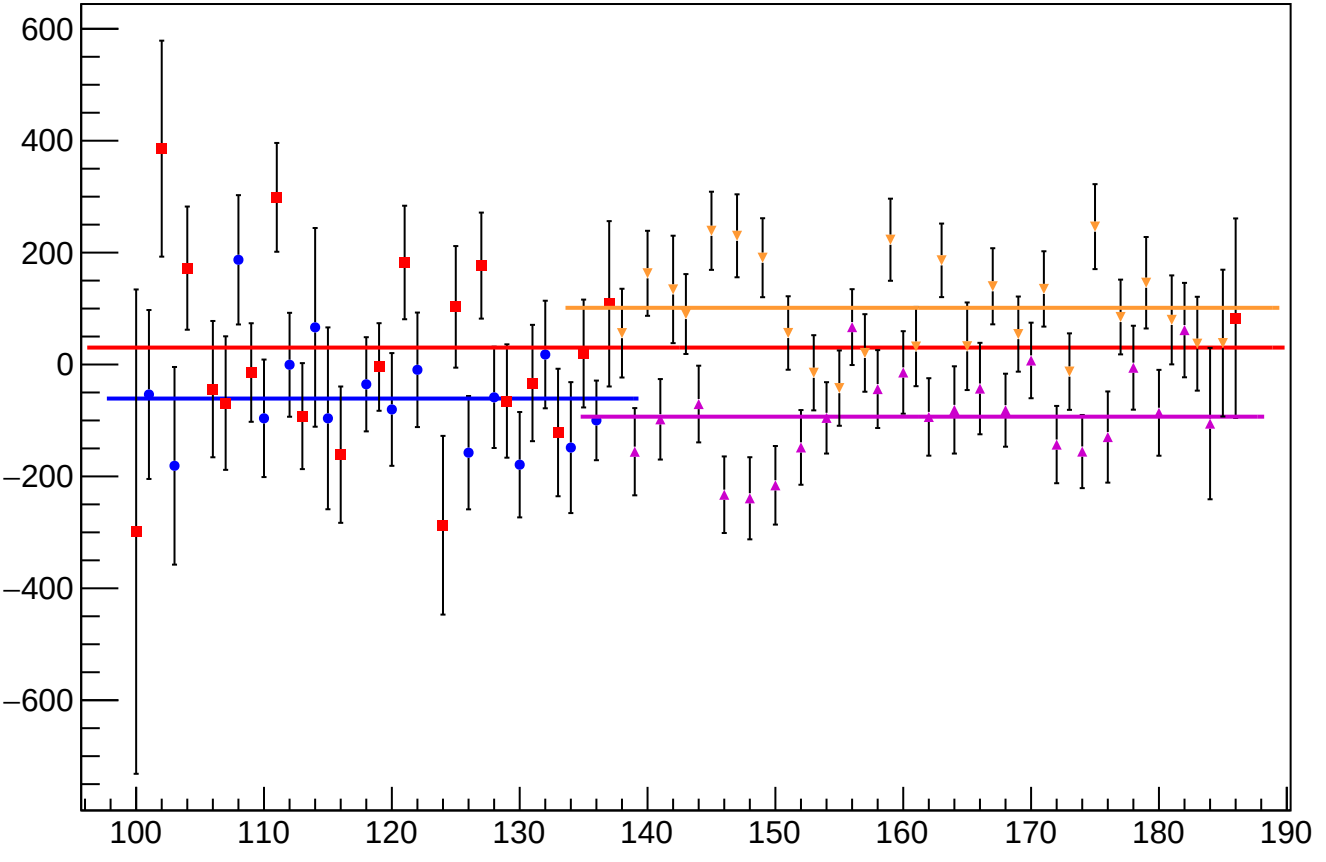
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 308.173+/-0.044 χ^2/NDF: 3445669.0/40

All: 306.722+/-0.031 χ^2/NDF: 7788473.5/83

- sign 305.247+/-0.044 χ^2/NDF: 4340597.3/42

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 30.264+/-24.897 χ^2/NDF: 31.4/19

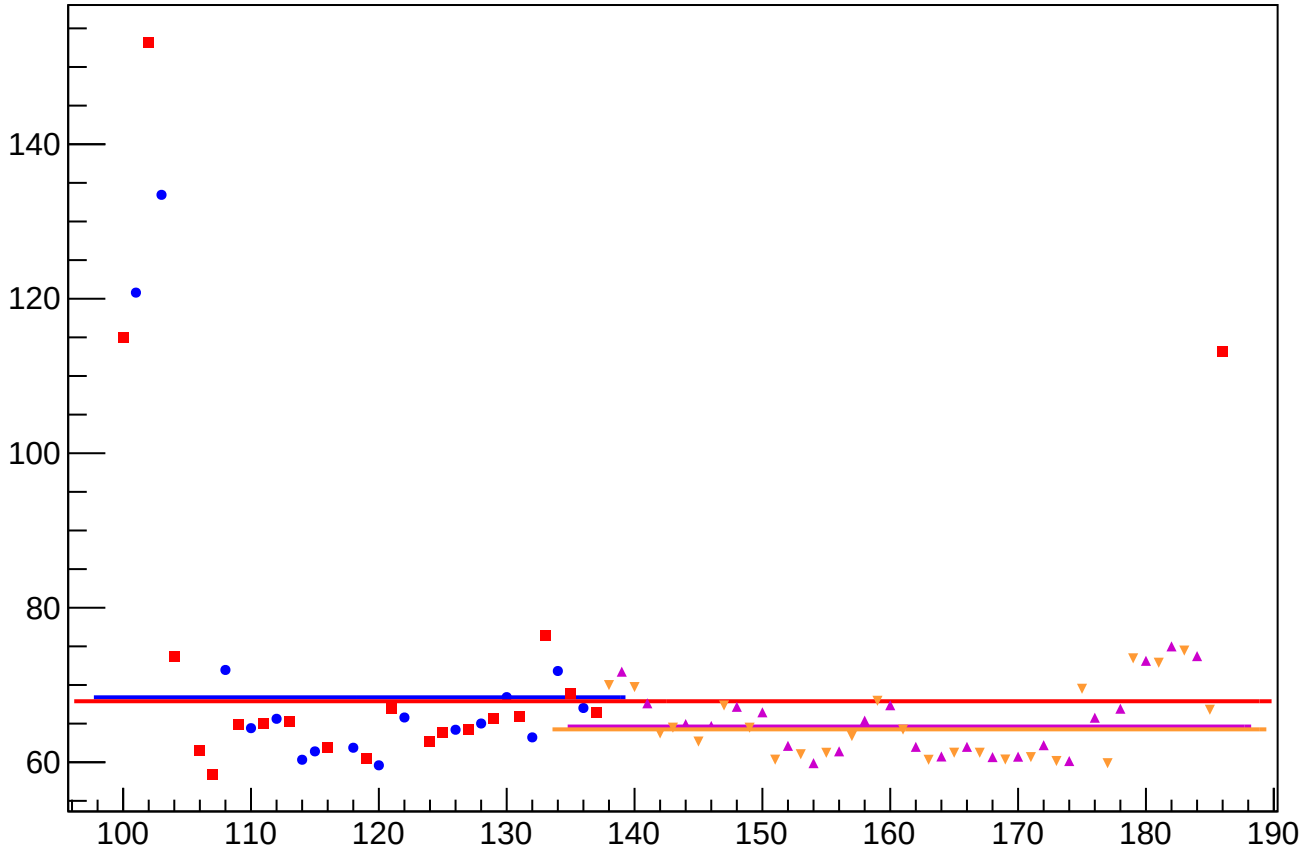
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 62.400+/-12.764 χ^2/NDF: 73.9/40

All: 2.055+/-9.085 χ^2/NDF: 197.4/83

- sign -59.905+/-12.934 χ^2/NDF: 78.2/42

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

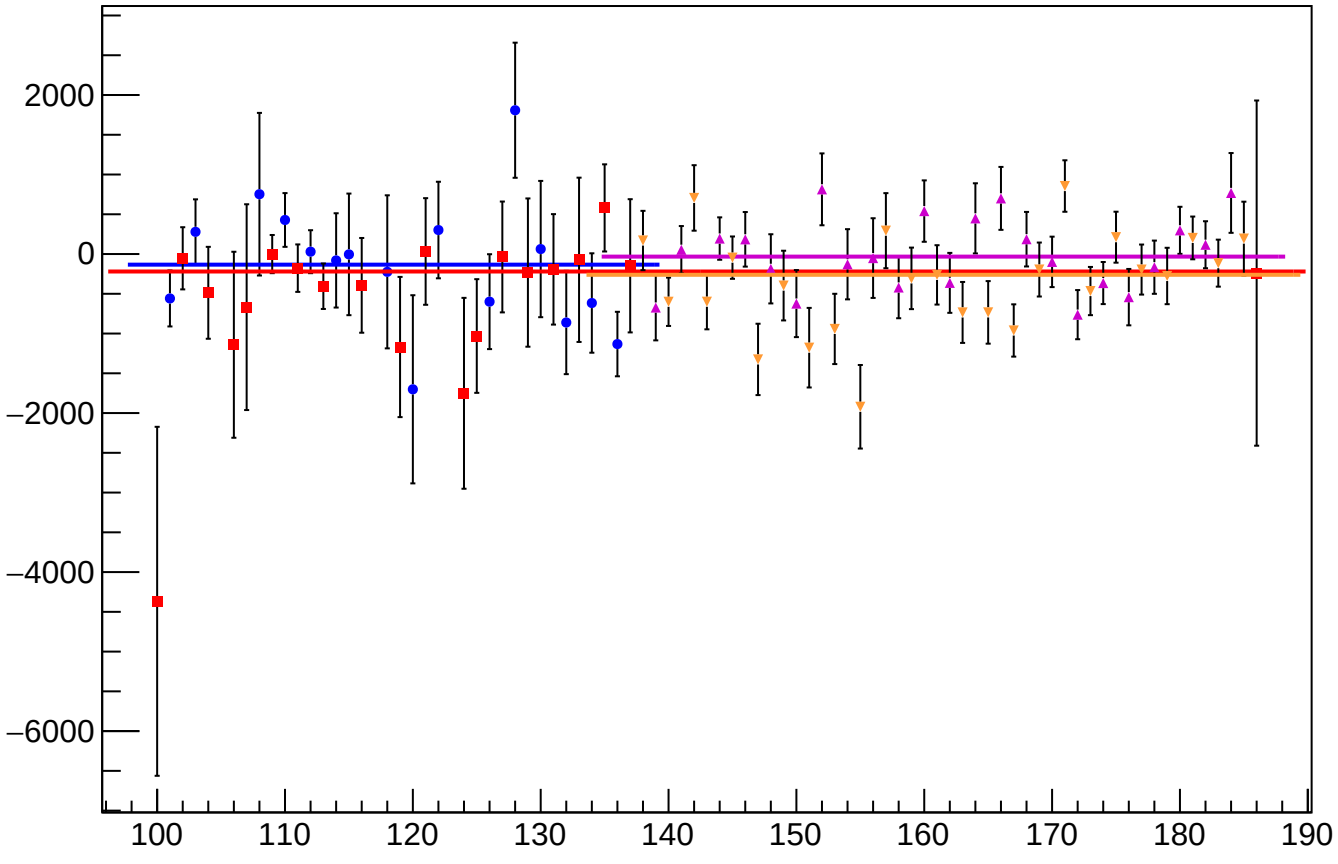
Right Out: 67.894+/-0.018 χ^2/NDF: 615784.5/19

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.251+/-0.009 χ^2/NDF: 785777.7/40

All: 65.376+/-0.006 χ^2/NDF: 1574386.9/83

- sign 65.504+/-0.009 χ^2/NDF: 788220.5/42



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -219.674+/-117.816 χ^2/NDF: 12.5/19

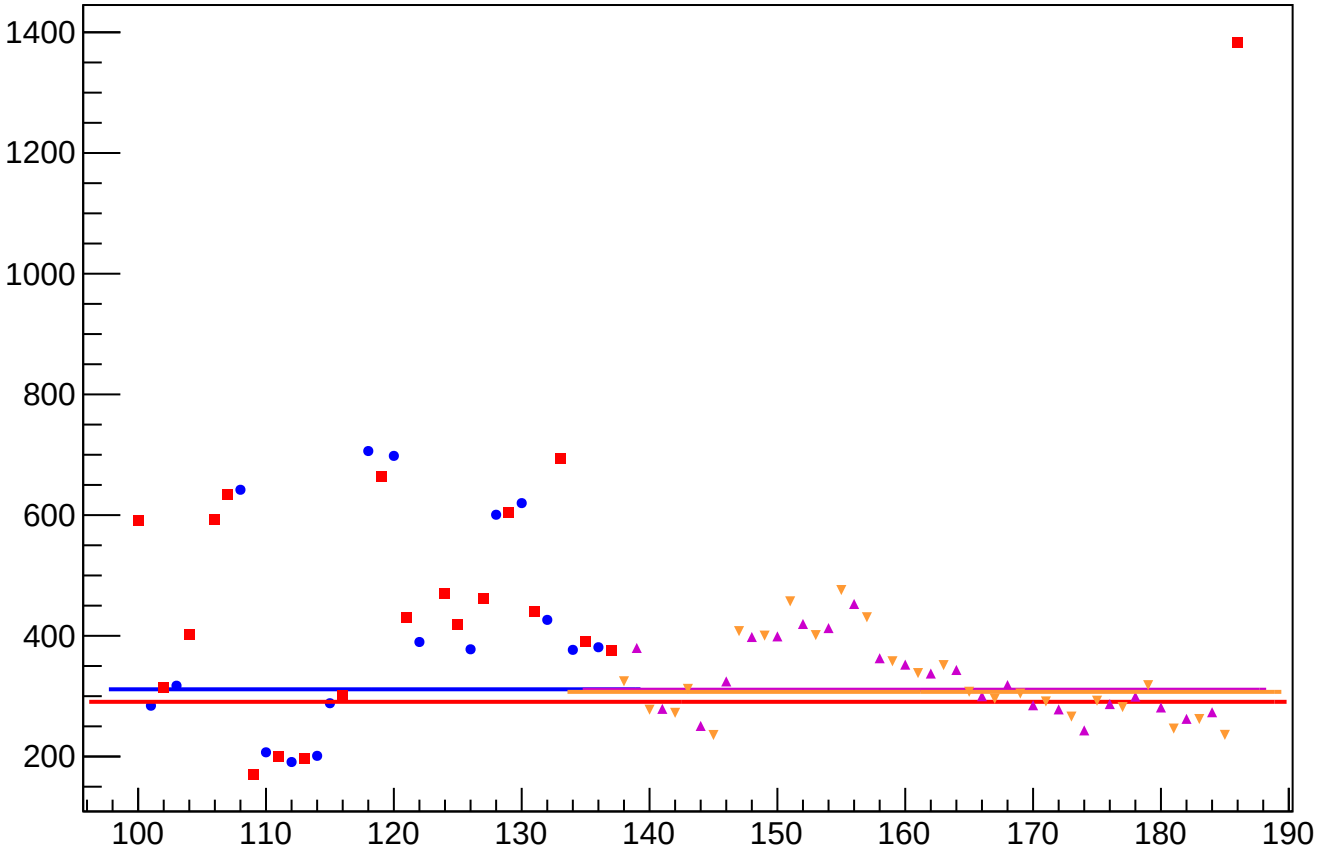
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -230.176+/-62.021 χ^2/NDF: 82.1/40

All: -158.335+/-44.047 χ^2/NDF: 130.8/83

- sign -85.227+/-62.565 χ^2/NDF: 46.1/42

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

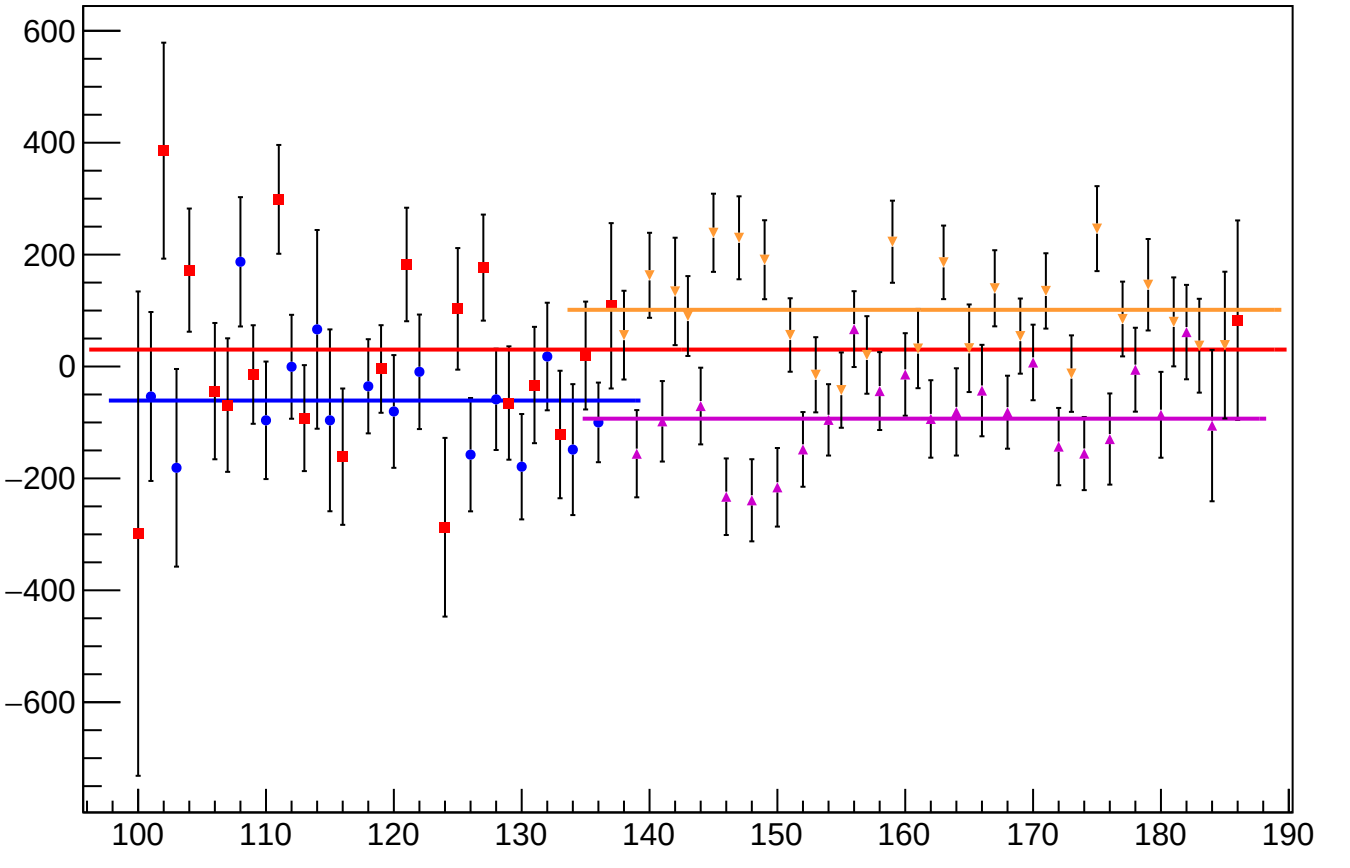
Right Out: 290.640+/-0.083 χ^2/NDF: 3198176.8/19

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 308.173+/-0.044 χ^2/NDF: 3445668.3/40

All: 306.621+/-0.031 χ^2/NDF: 7767471.3/83

- sign 305.041+/-0.044 χ^2/NDF: 4319275.2/42



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

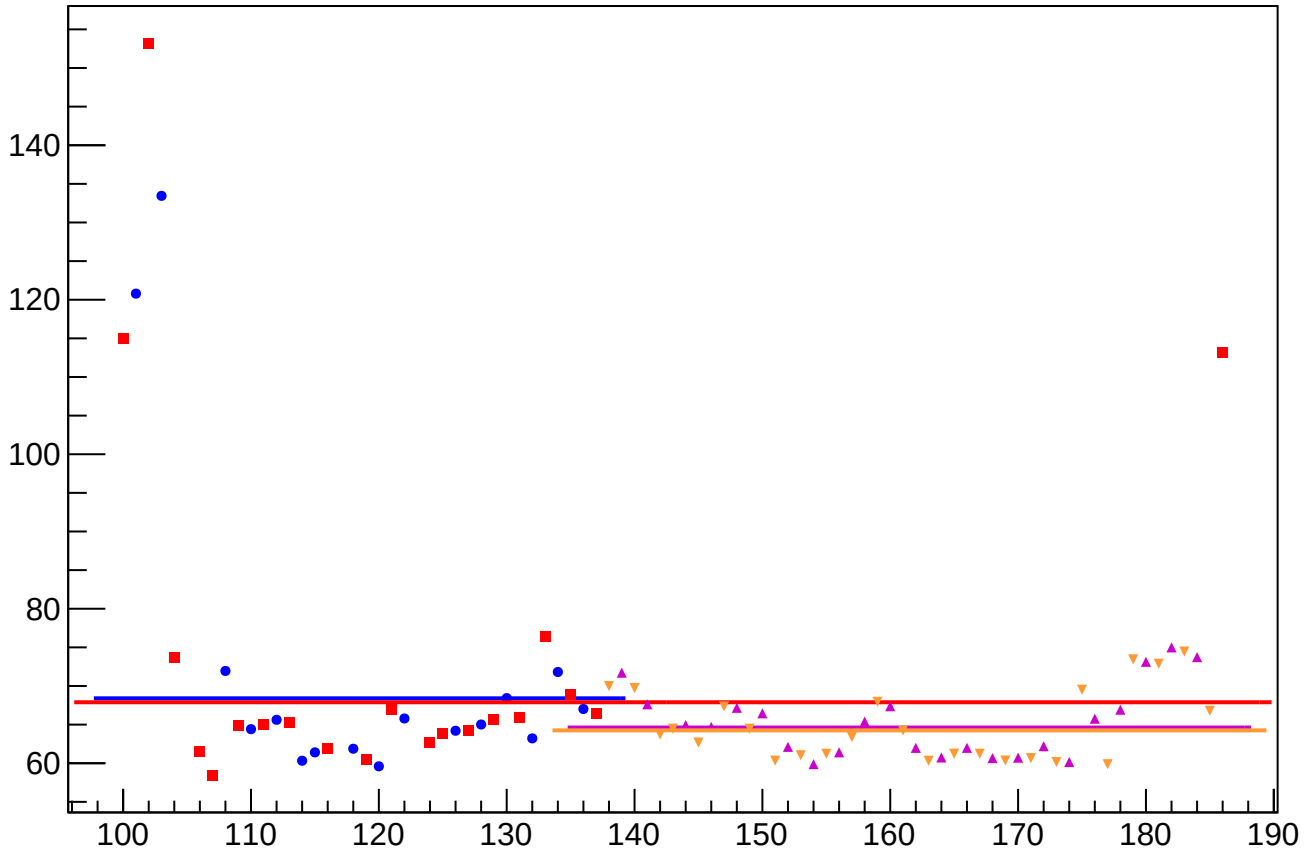
Right Out: 30.264+/-24.897 χ^2/NDF: 31.4/19

Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 62.400+/-12.764 χ^2/NDF: 73.9/40

All: 2.055+/-9.085 χ^2/NDF: 197.4/83

- sign -59.905+/-12.934 χ^2/NDF: 78.2/42



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

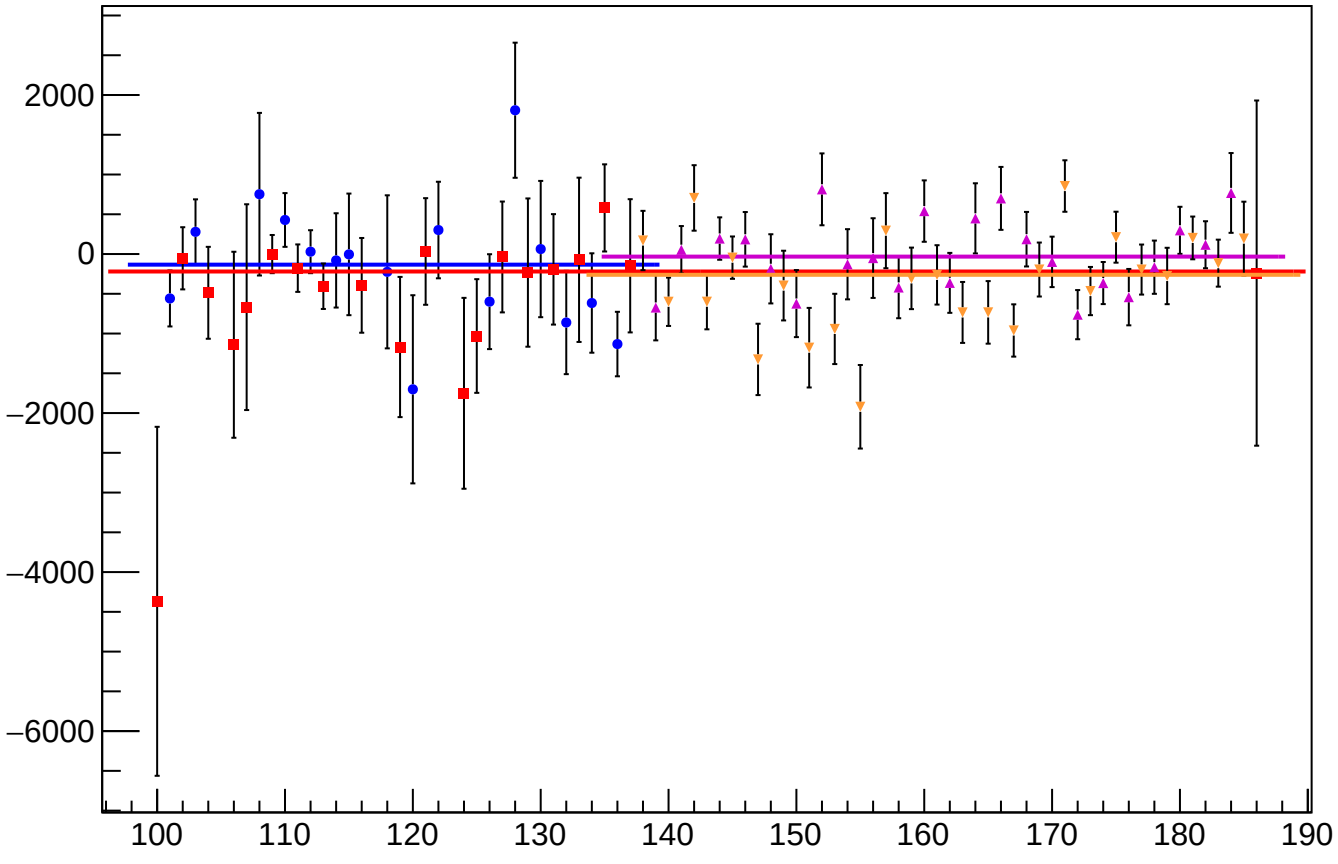
Right Out: 67.894+/-0.018 χ^2/NDF: 615784.5/19

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.251+/-0.009 χ^2/NDF: 785777.7/40

All: 65.376+/-0.006 χ^2/NDF: 1574386.9/83

- sign 65.504+/-0.009 χ^2/NDF: 788220.5/42



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -219.674+/-117.816 χ^2/NDF: 12.5/19

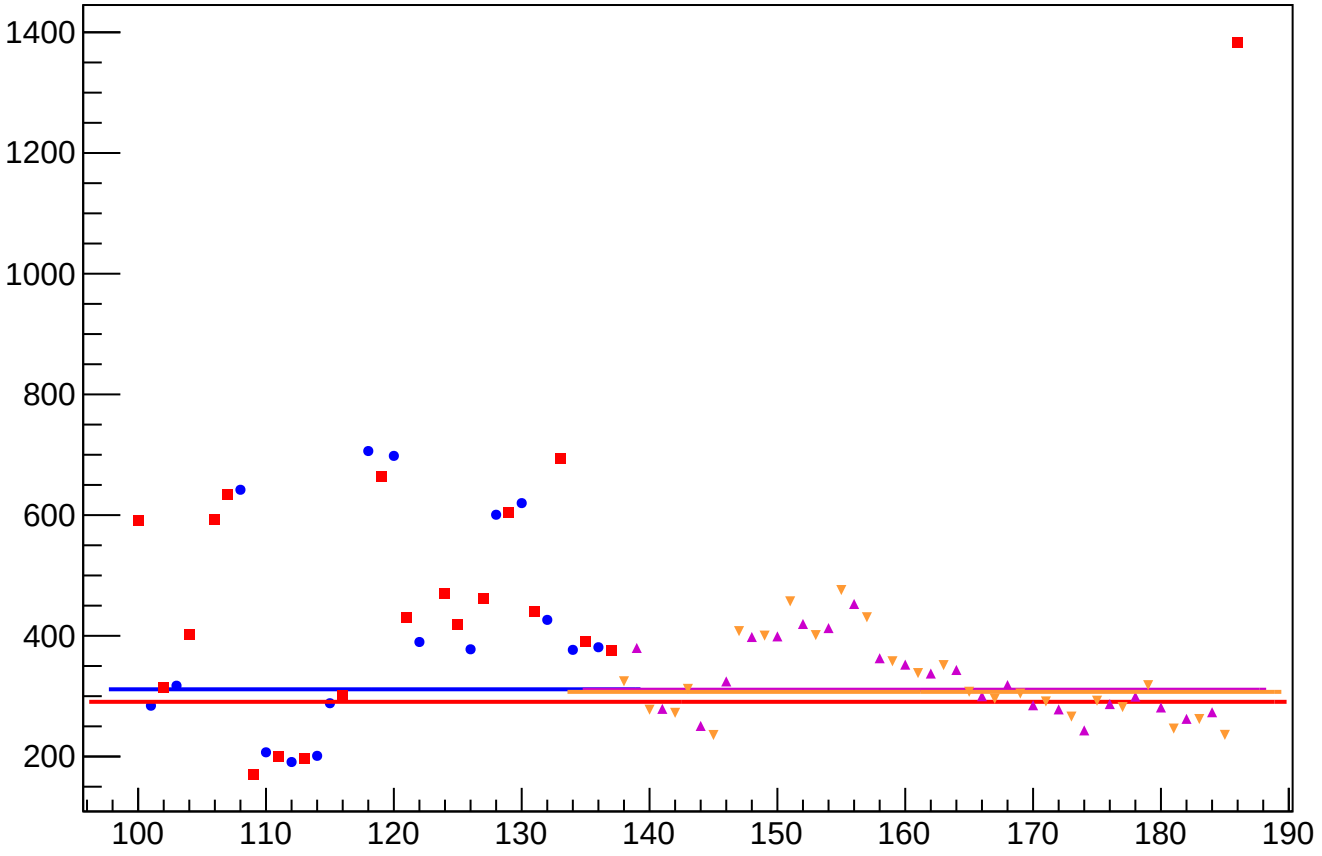
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -230.176+/-62.021 χ^2/NDF: 82.1/40

All: -158.335+/-44.047 χ^2/NDF: 130.8/83

- sign -85.227+/-62.565 χ^2/NDF: 46.1/42

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 290.640+/-0.083 χ^2/NDF: 3198176.8/19

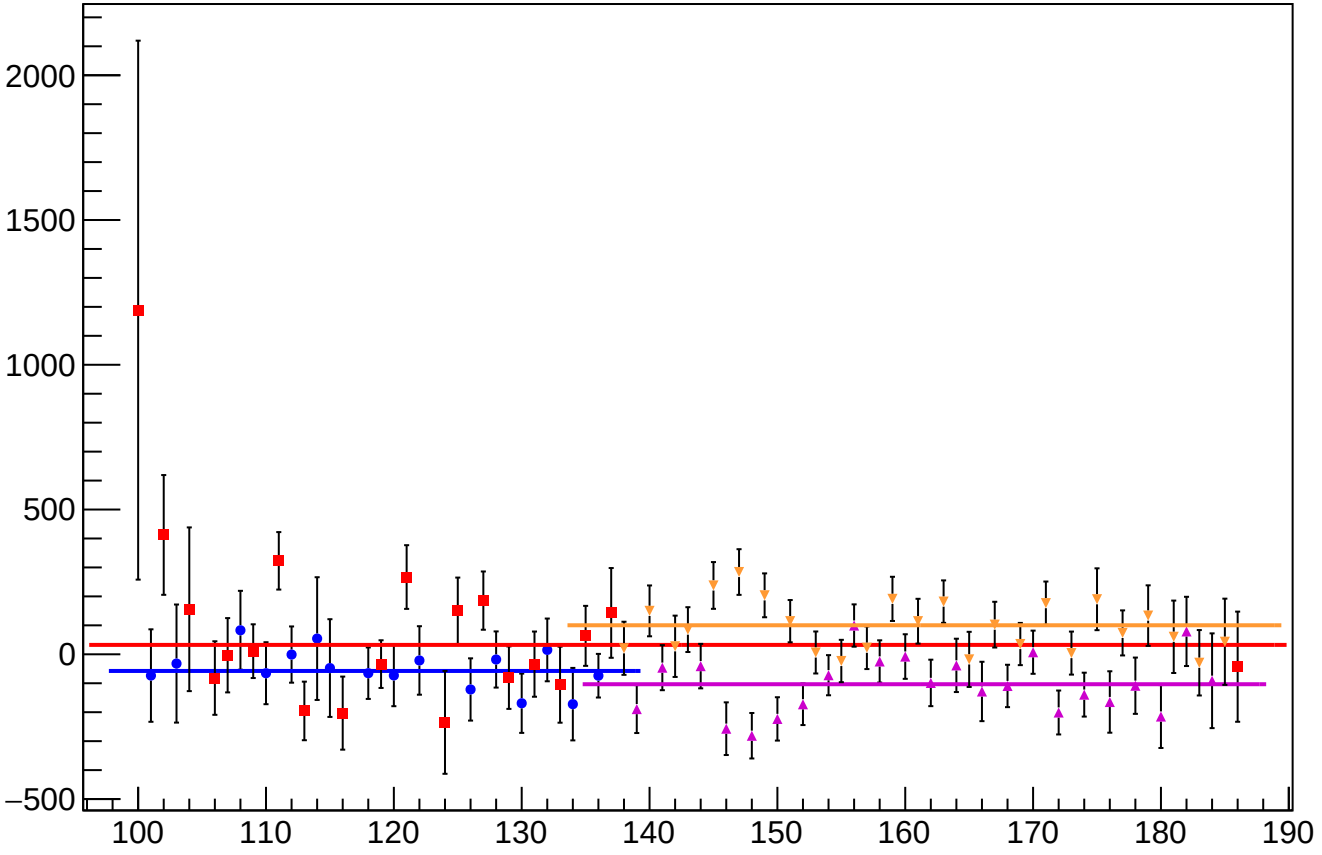
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 308.173+/-0.044 χ^2/NDF: 3445668.3/40

All: 306.621+/-0.031 χ^2/NDF: 7767471.3/83

- sign 305.041+/-0.044 χ^2/NDF: 4319275.2/42

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 32.471+/-27.118 χ^2/NDF: 37.3/19

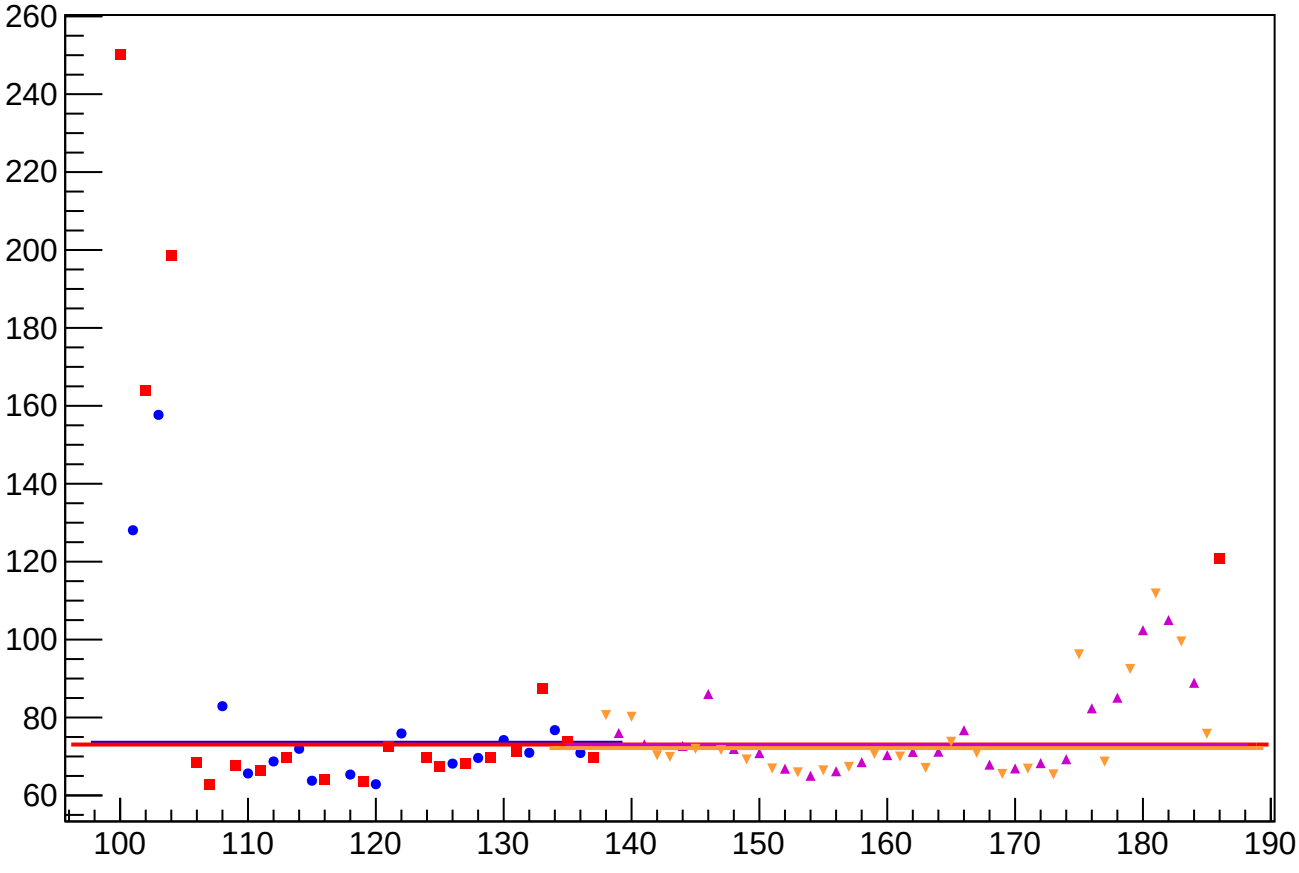
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 59.331+/-14.307 χ^2/NDF: 55.9/40

All: -1.345+/-10.205 χ^2/NDF: 180.5/83

- sign -64.200+/-14.561 χ^2/NDF: 87.9/42

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 73.064+/-0.019 χ^2/NDF: 1086981.6/19

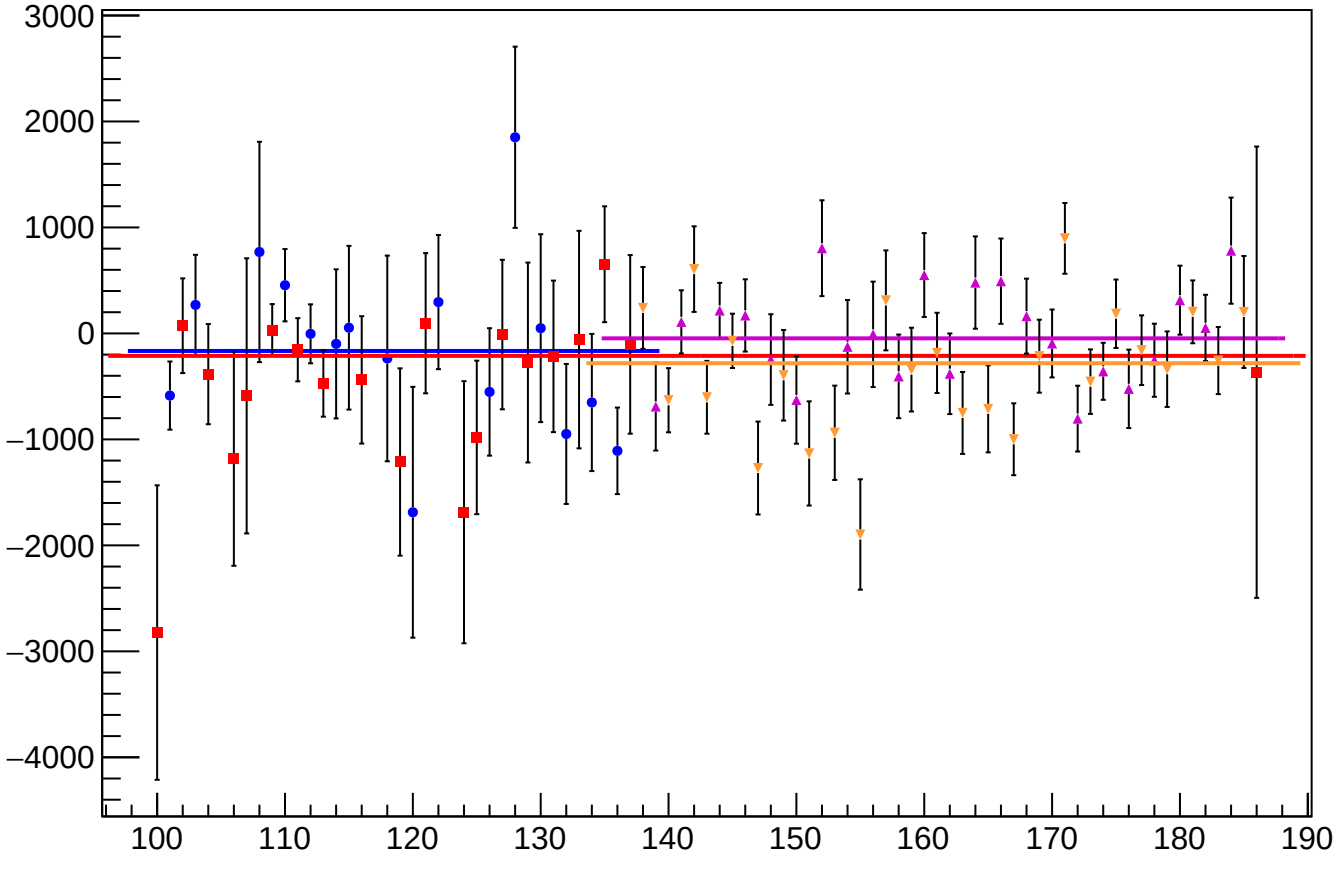
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 72.505+/-0.010 χ^2/NDF: 1302338.4/40

All: 72.739+/-0.007 χ^2/NDF: 2899464.3/83

- sign 72.982+/-0.010 χ^2/NDF: 1596035.6/42

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -211.838+/-119.931 χ^2/NDF: 13.6/19

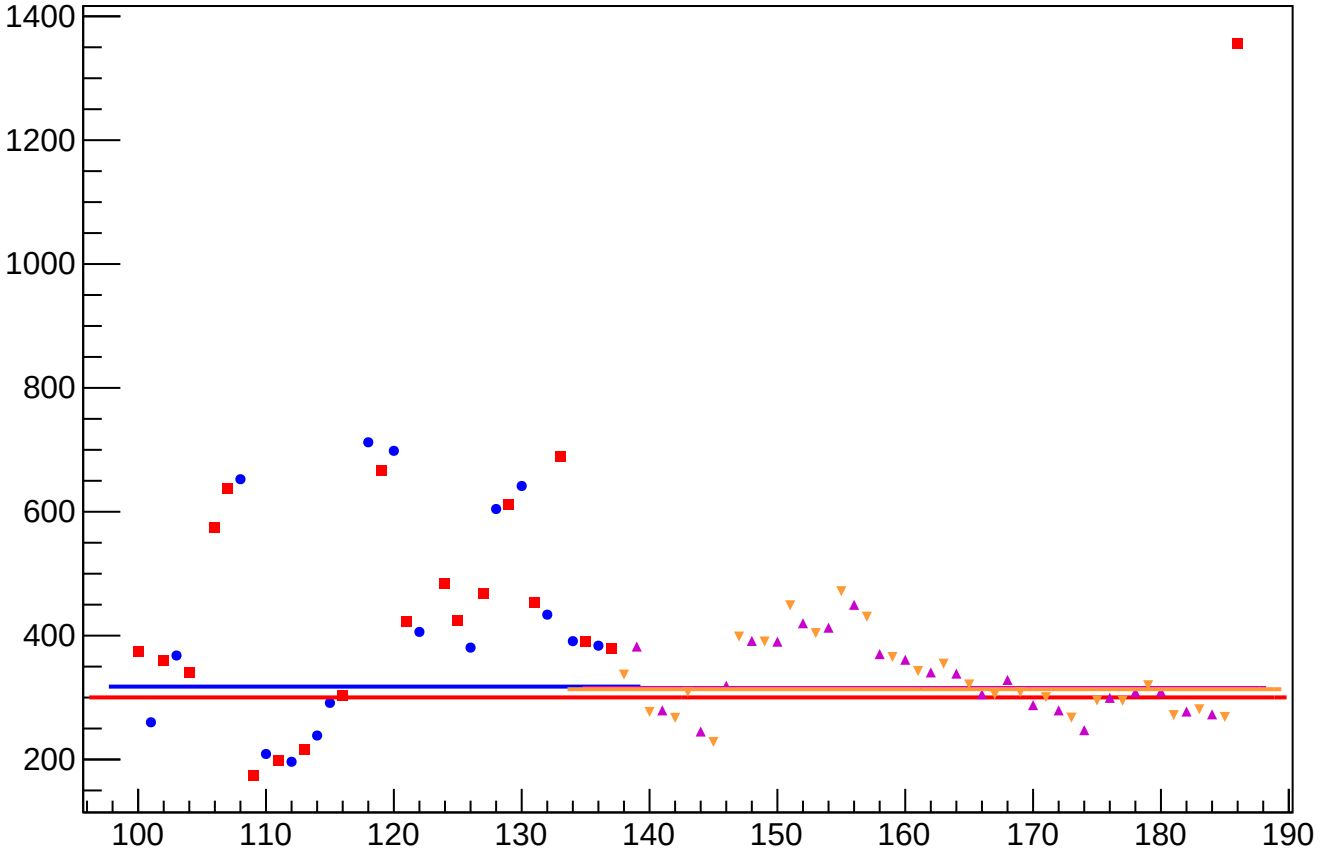
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -253.224+/-63.161 χ^2/NDF: 80.1/40

All: -173.545+/-44.790 χ^2/NDF: 129.0/83

- sign -92.940+/-63.527 χ^2/NDF: 45.7/42

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 300.247+/-0.085 χ^2/NDF: 3034160.3/19

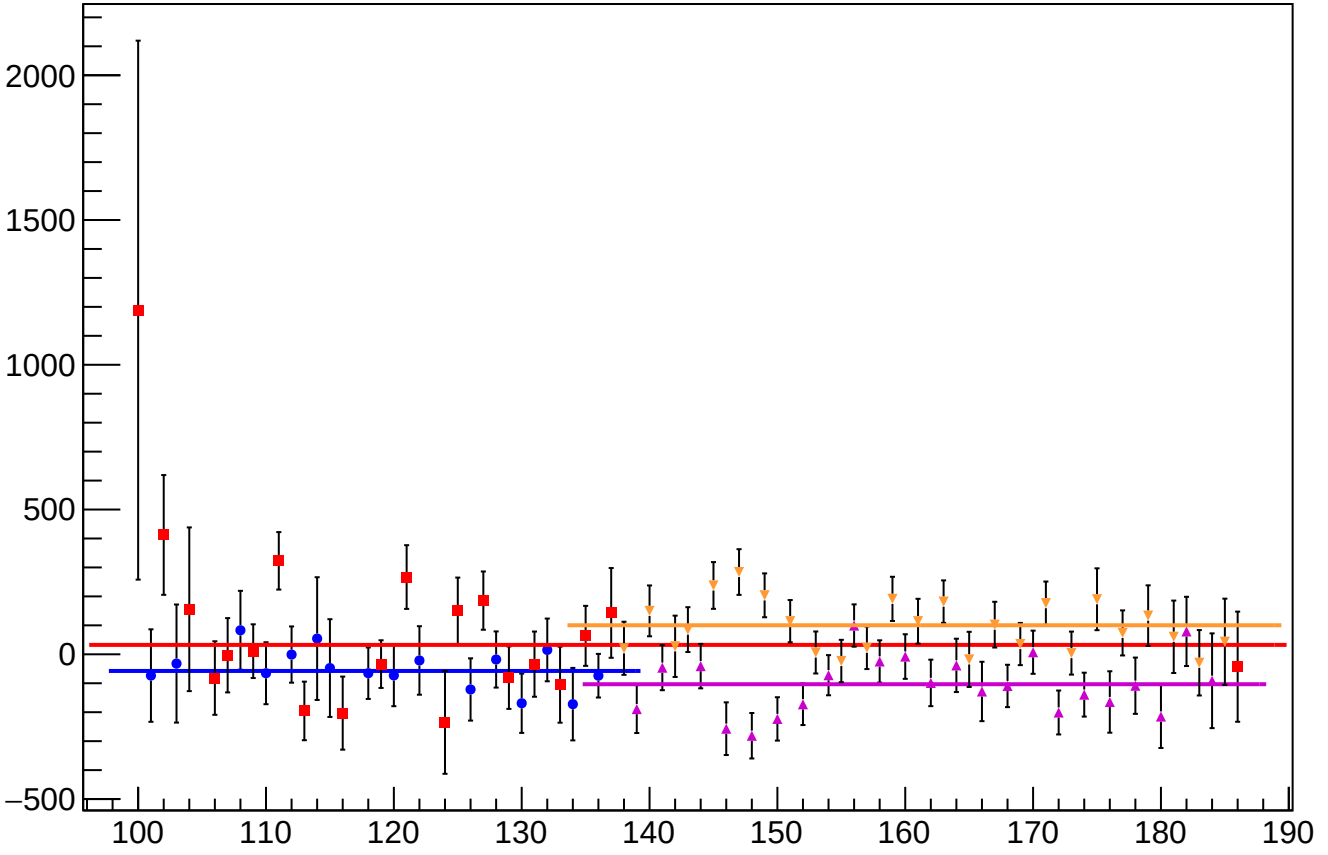
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 314.507+/-0.045 χ^2/NDF: 3313315.8/40

All: 312.857+/-0.032 χ^2/NDF: 7381880.4/83

- sign 311.188+/-0.045 χ^2/NDF: 4065819.6/42

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 32.473+/-27.118 χ^2/NDF: 37.3/19

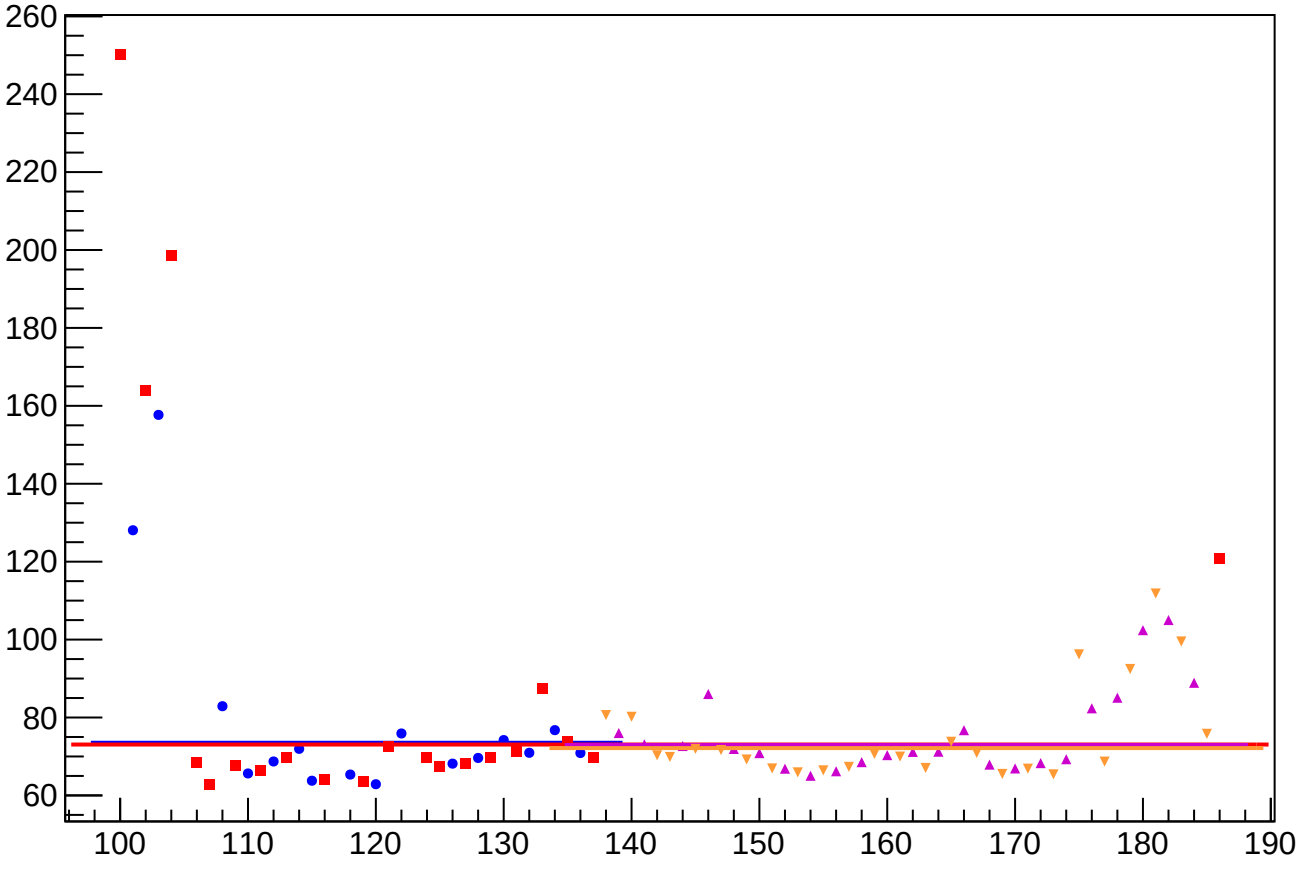
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 59.331+/-14.307 χ^2/NDF: 55.9/40

All: -1.345+/-10.205 χ^2/NDF: 180.4/83

- sign -64.199+/-14.561 χ^2/NDF: 87.9/42

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 73.064+/-0.019 χ^2/NDF: 1086979.6/19

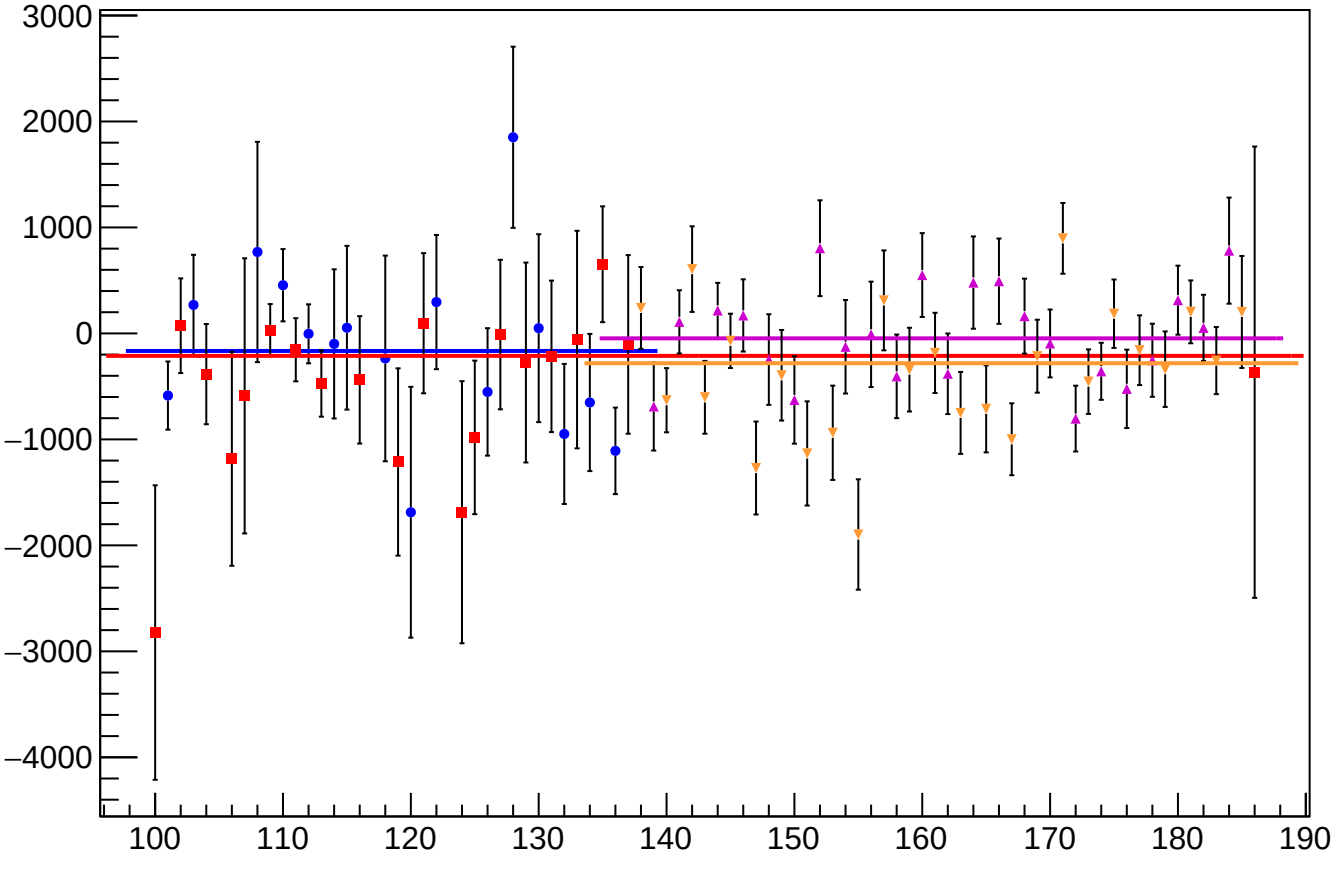
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 72.505+/-0.010 χ^2/NDF: 1302336.6/40

All: 72.739+/-0.007 χ^2/NDF: 2899461.1/83

- sign 72.982+/-0.010 χ^2/NDF: 1596034.2/42

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -211.837+/-119.930 χ^2/NDF: 13.6/19

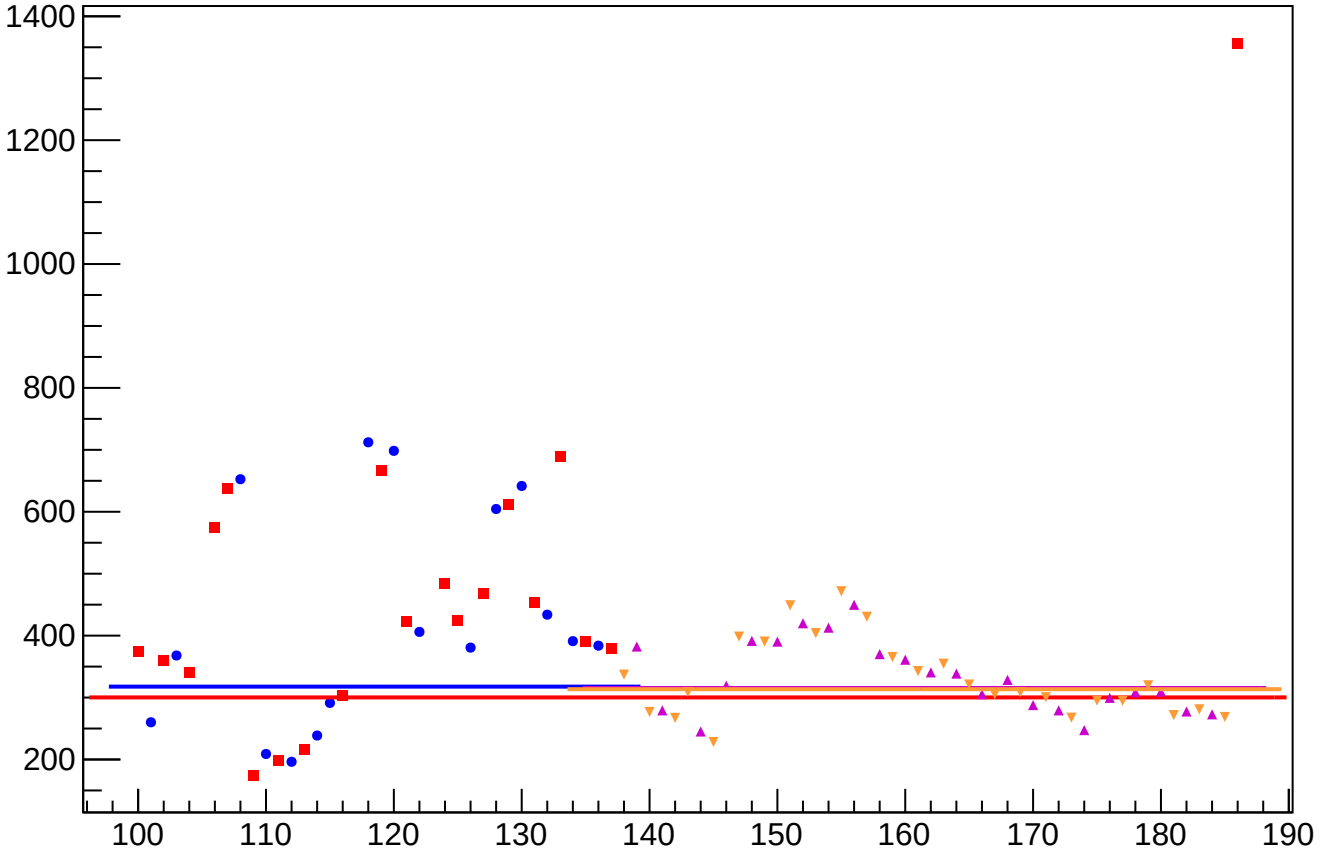
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -253.223+/-63.161 χ^2/NDF: 80.1/40

All: -173.545+/-44.790 χ^2/NDF: 129.0/83

- sign -92.939+/-63.527 χ^2/NDF: 45.7/42

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 300.246+/-0.085 χ^2/NDF: 3034172.6/19

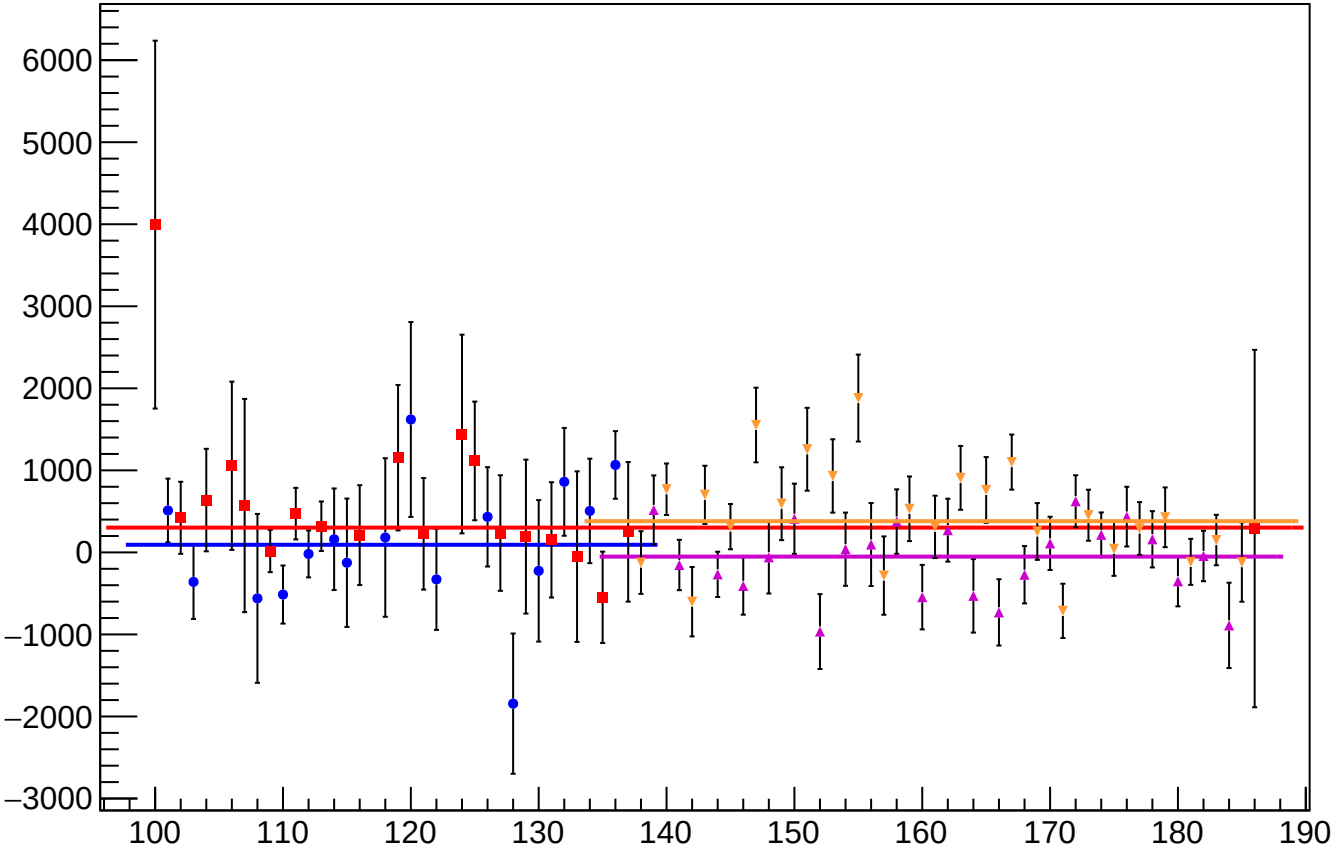
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 314.507+/-0.045 χ^2/NDF: 3313350.9/40

All: 312.857+/-0.032 χ^2/NDF: 7381931.5/83

- sign 311.188+/-0.045 χ^2/NDF: 4065836.1/42

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 302.235+/-123.716 χ^2/NDF: 10.8/19

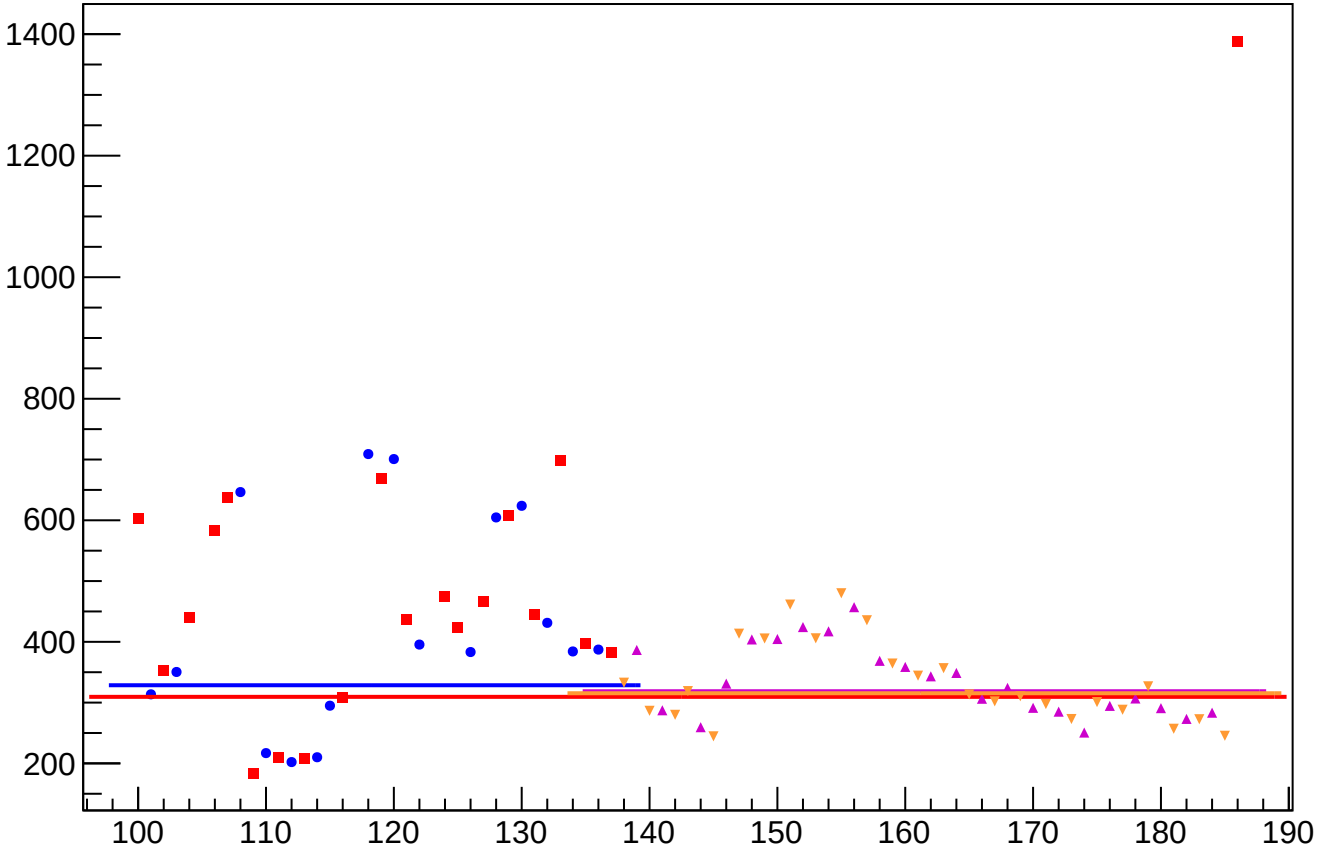
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 313.076+/-63.911 χ^2/NDF: 79.9/40

All: 180.199+/-45.408 χ^2/NDF: 133.6/83

- sign 44.749+/-64.527 χ^2/NDF: 45.0/42

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

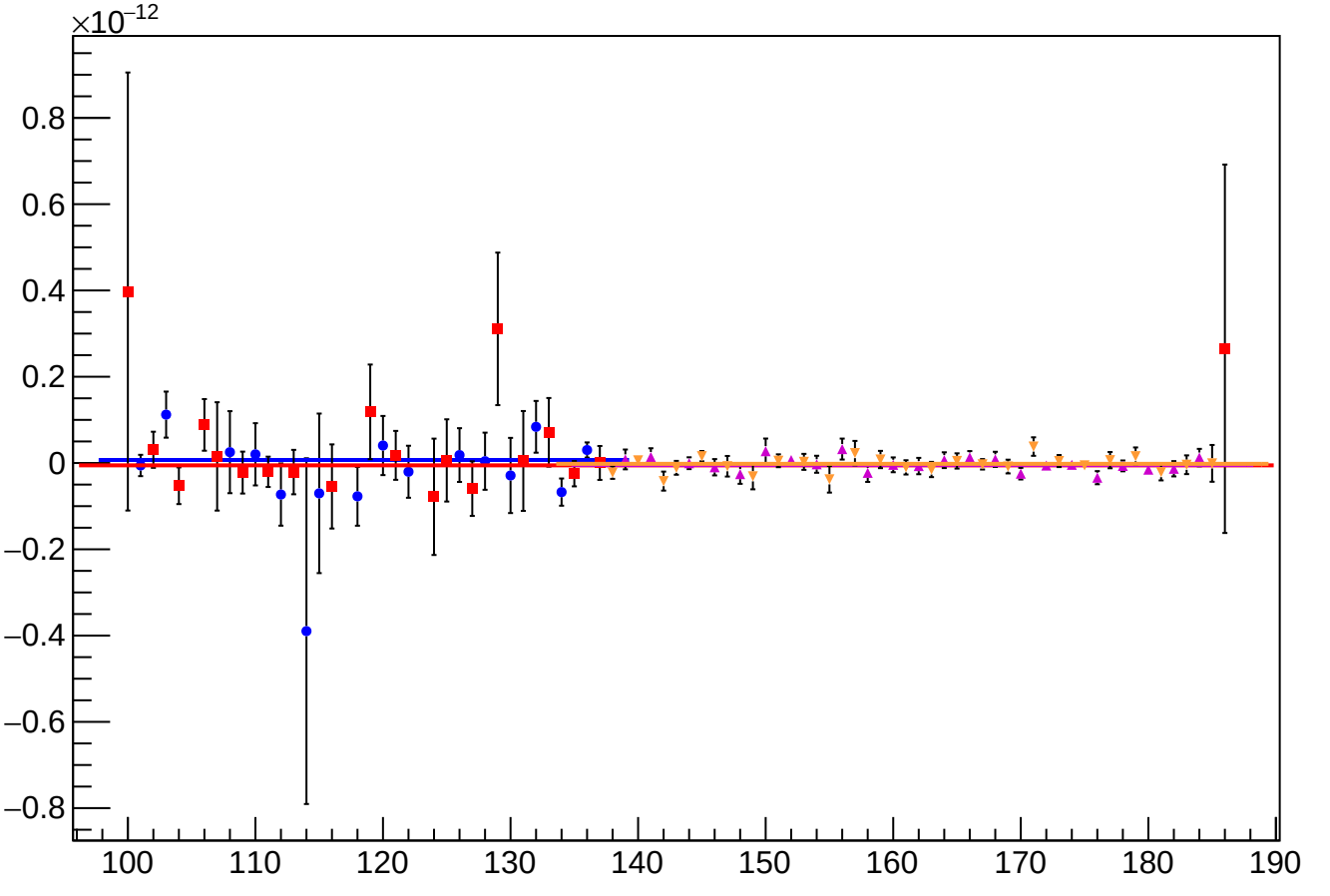
Right Out: 309.478+/-0.087 χ^2/NDF: 3019120.8/19

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 318.487+/-0.045 χ^2/NDF: 3184235.2/40

All: 317.346+/-0.032 χ^2/NDF: 7204317.2/83

- sign 316.183+/-0.046 χ^2/NDF: 4018795.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/19

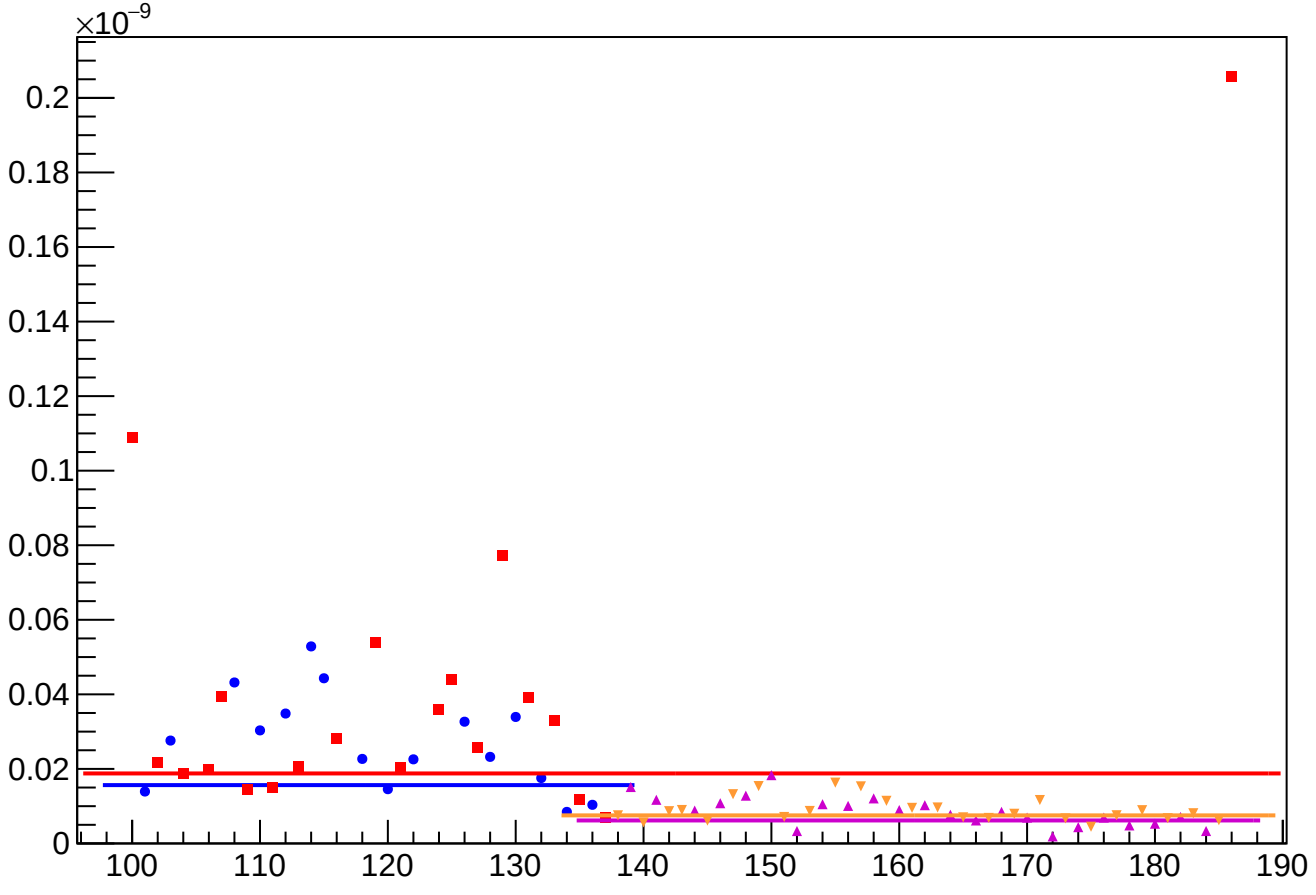
Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.3/40

All: -0.000+/-0.000 χ^2/NDF: 68.8/83

- sign -0.000+/-0.000 χ^2/NDF: 30.9/42

asym_sam7_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1612659.2/19

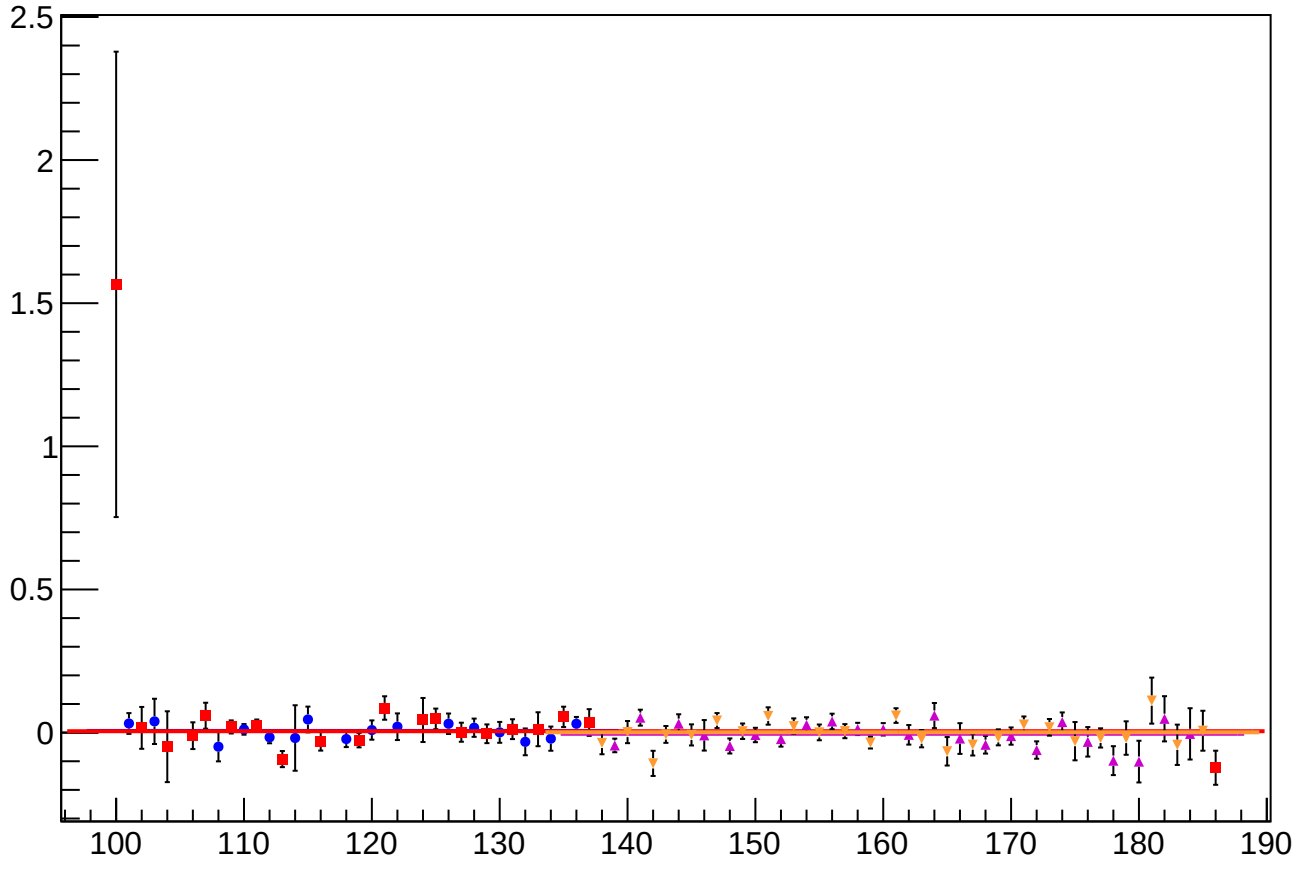
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 3385079.3/40

All: 0.000+/-0.000 χ^2/NDF: 9813880.9/83

- sign 0.000+/-0.000 χ^2/NDF: 6228884.4/42

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.005+/-0.008 χ^2/NDF: 34.5/19

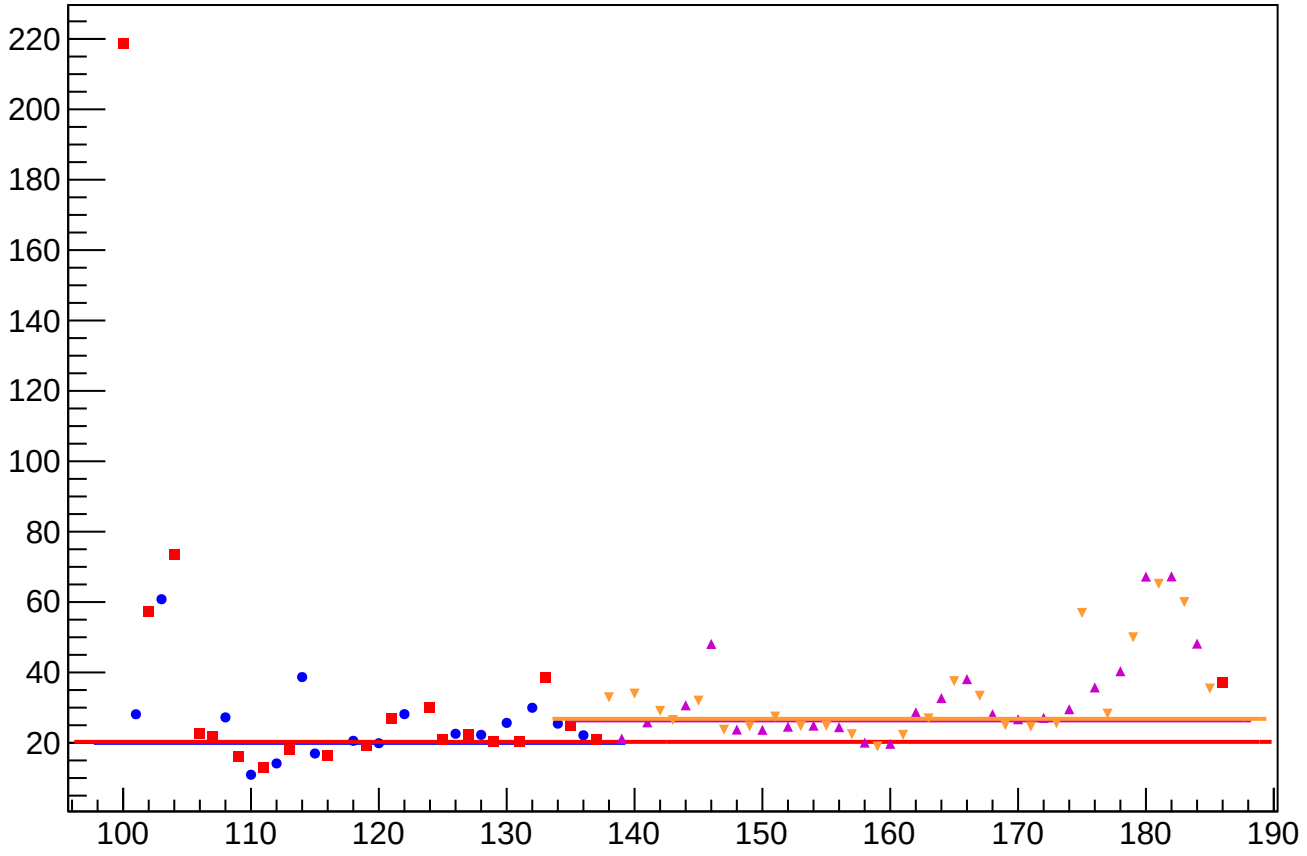
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.3/40

All: 0.001+/-0.004 χ^2/NDF: 104.9/83

- sign -0.000+/-0.005 χ^2/NDF: 66.4/42

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 20.277+/-0.006 χ^2/NDF: 1882591.8/19

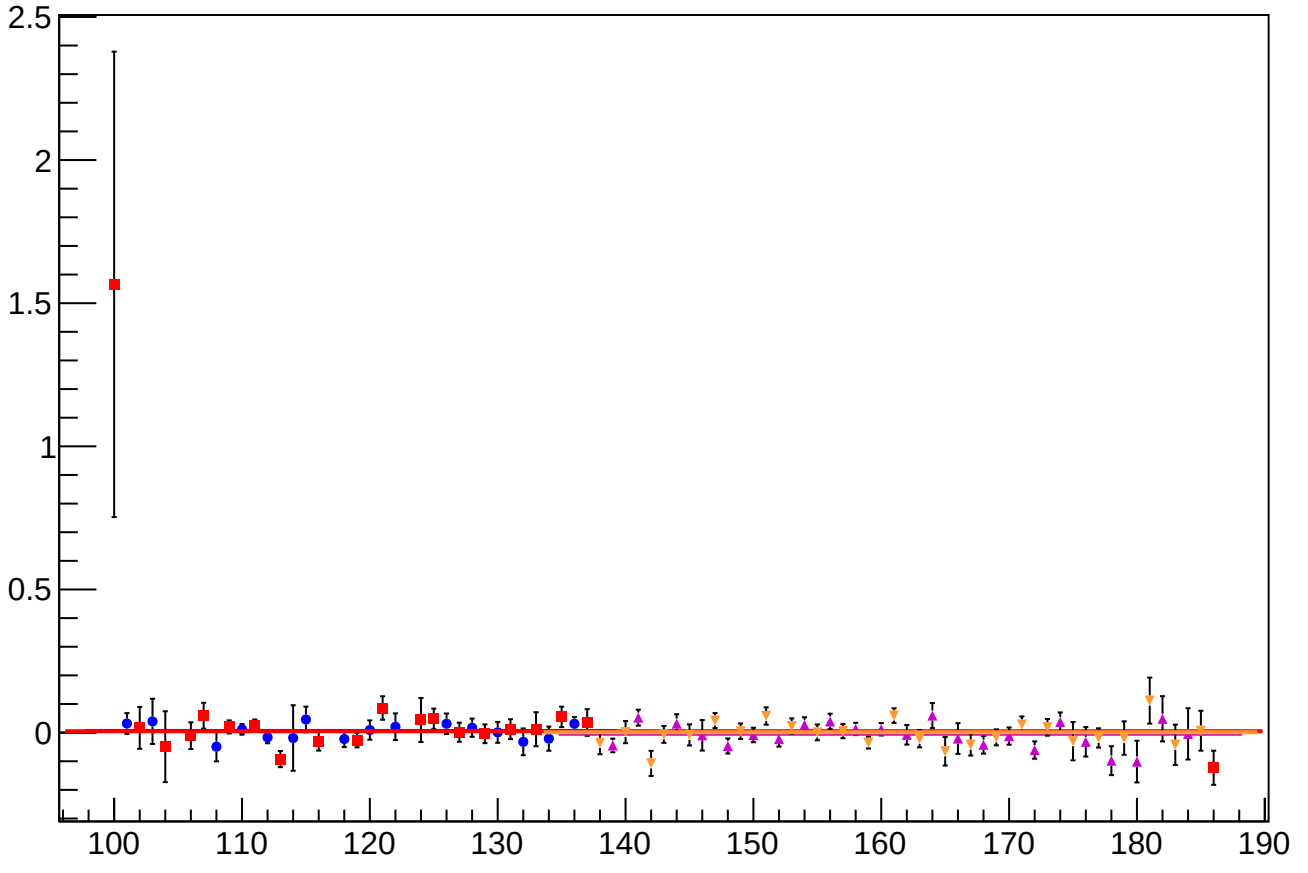
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.179+/-0.004 χ^2/NDF: 4965506.0/40

All: 24.046+/-0.003 χ^2/NDF: 10106621.6/83

- 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: 7.9/15

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.005+/-0.008 χ^2/NDF: 34.5/19

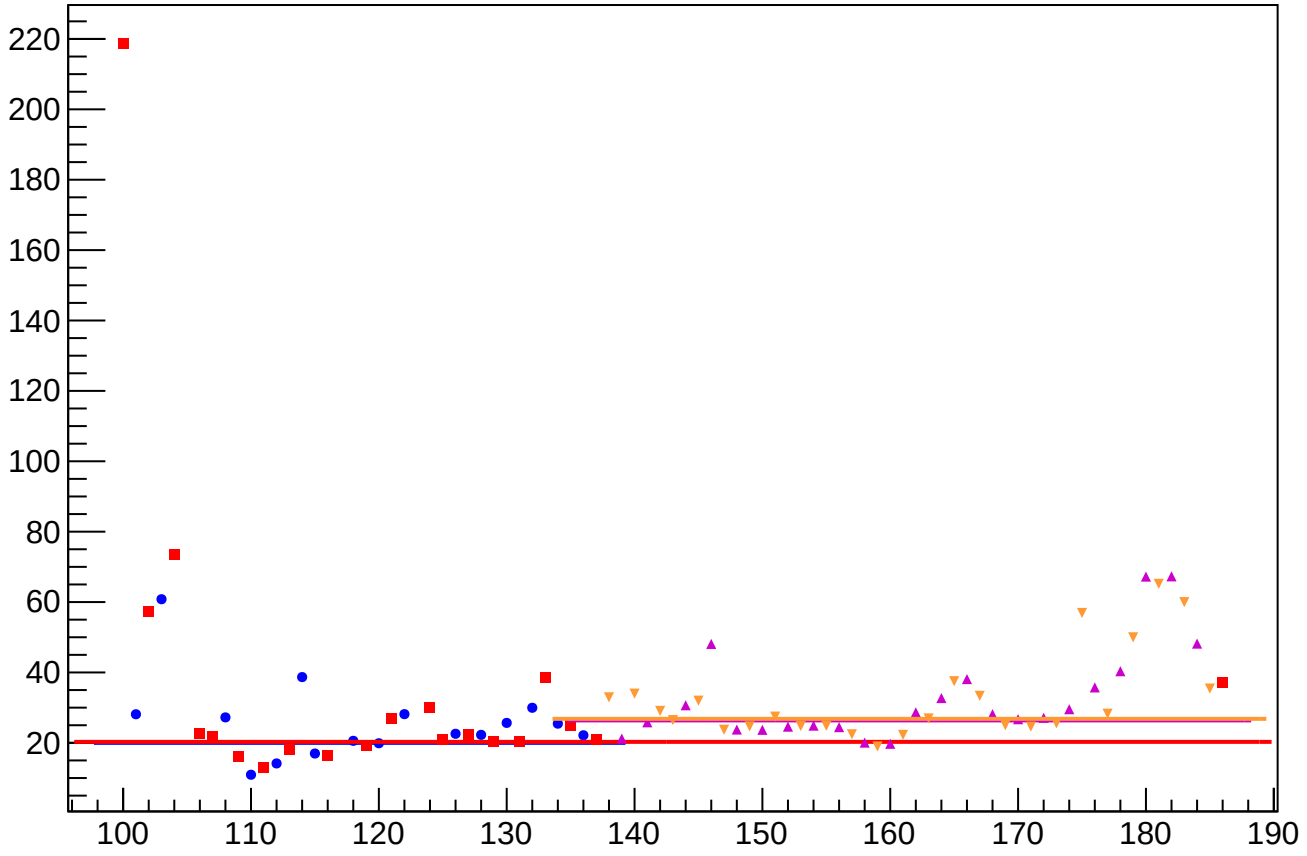
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.3/40

All: 0.001+/-0.004 χ^2/NDF: 104.9/83

- sign -0.000+/-0.005 χ^2/NDF: 66.4/42

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

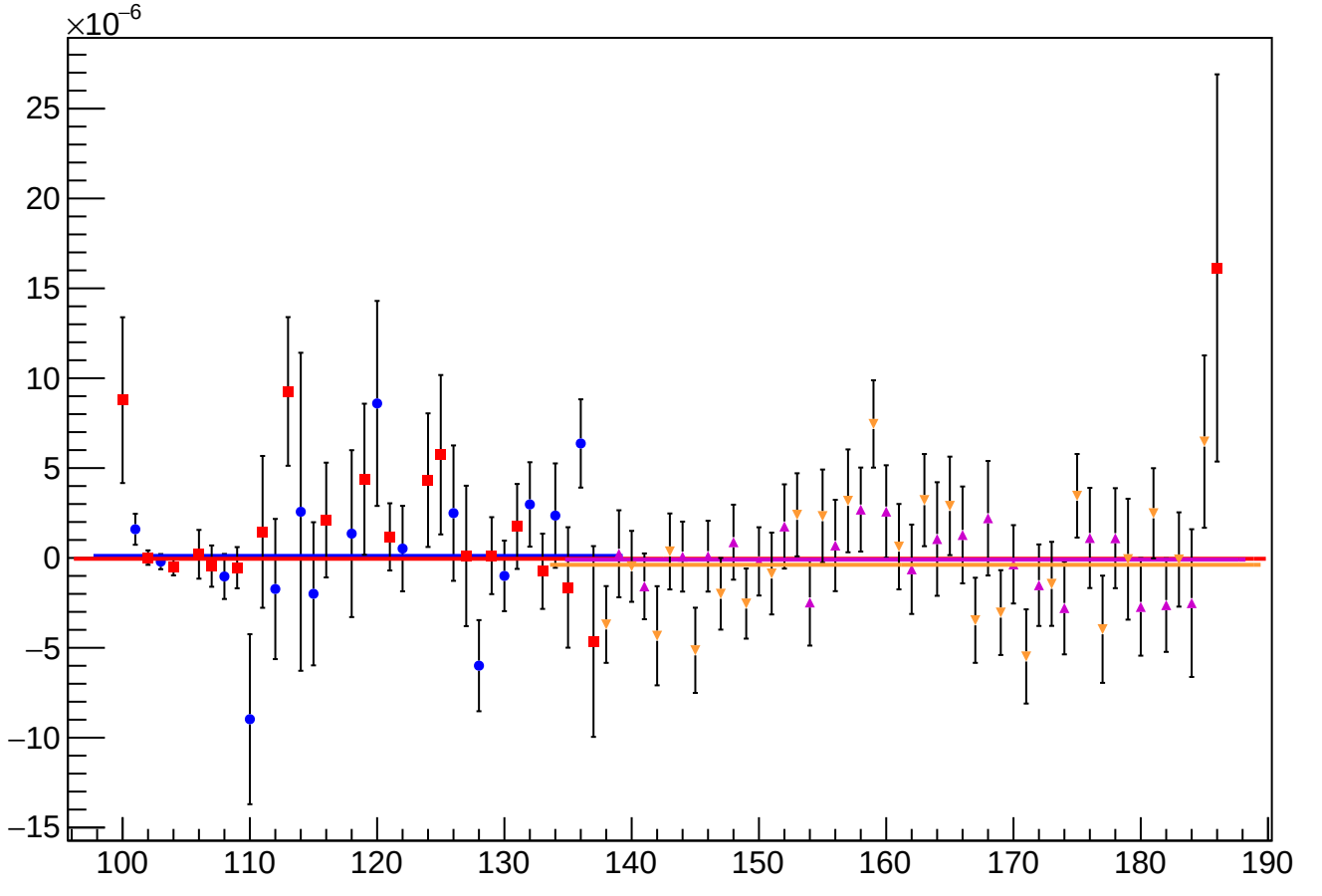
Right Out: 20.277+/-0.006 χ^2/NDF: 1882591.8/19

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.179+/-0.004 χ^2/NDF: 4965506.0/40

All: 24.046+/-0.003 χ^2/NDF: 10106621.6/83

- sign 23.912+/-0.004 χ^2/NDF: 5138377.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/19

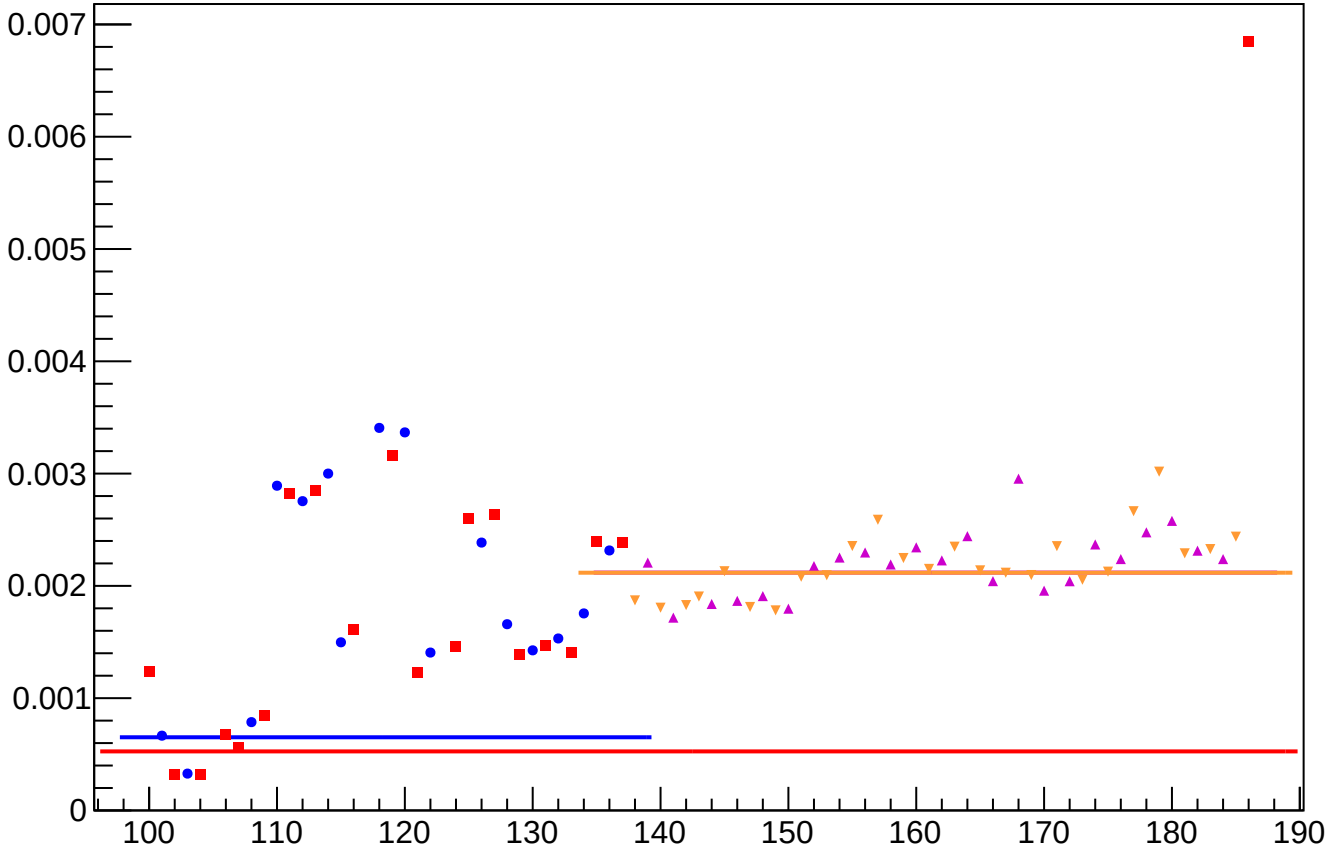
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.9/40

All: -0.000+/-0.000 χ^2/NDF: 99.4/83

- 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: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7365911.3/19

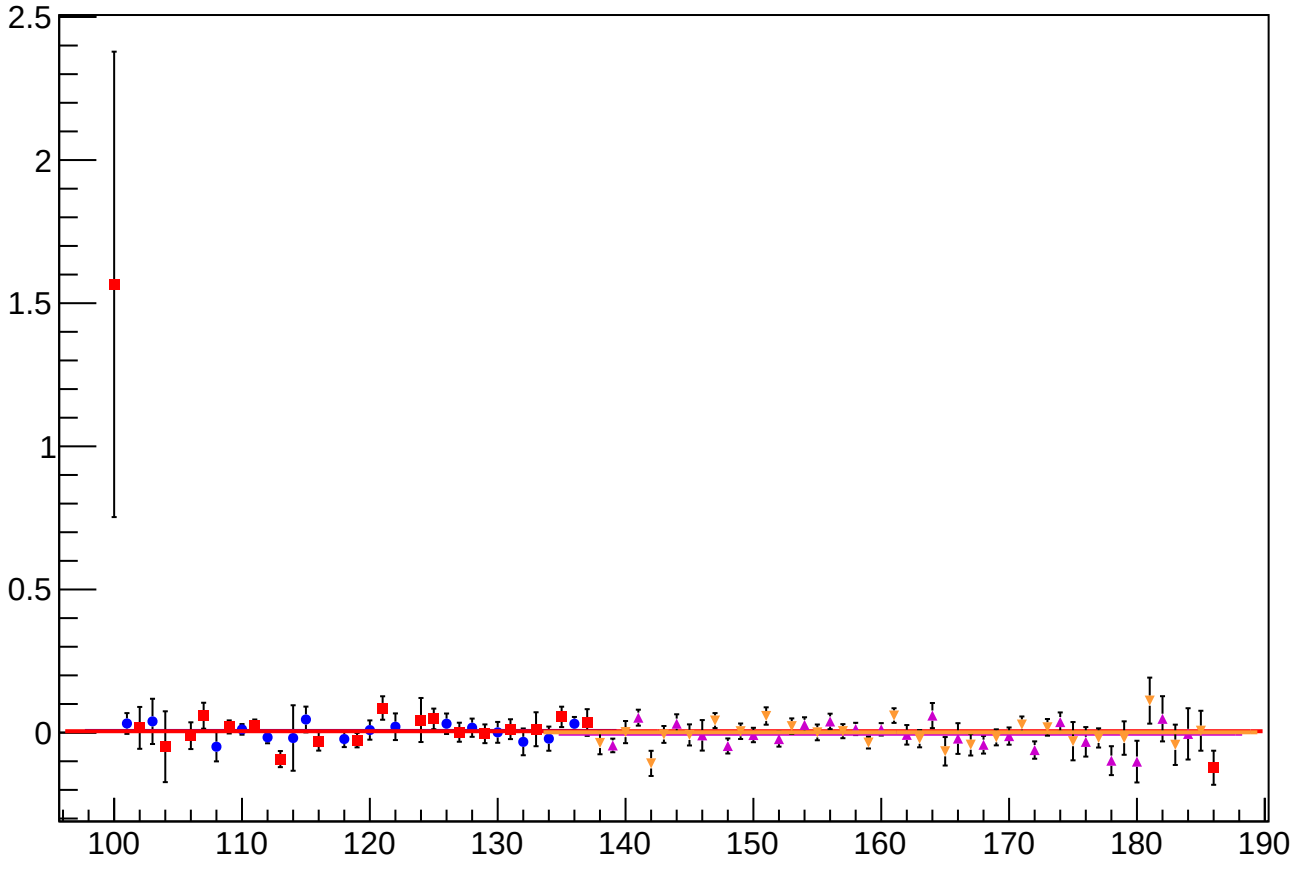
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 19285928.1/40

All: 0.001+/-0.000 χ^2/NDF: 44200261.9/83

- 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: 7.9/15

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.005+/-0.008 χ^2/NDF: 34.5/19

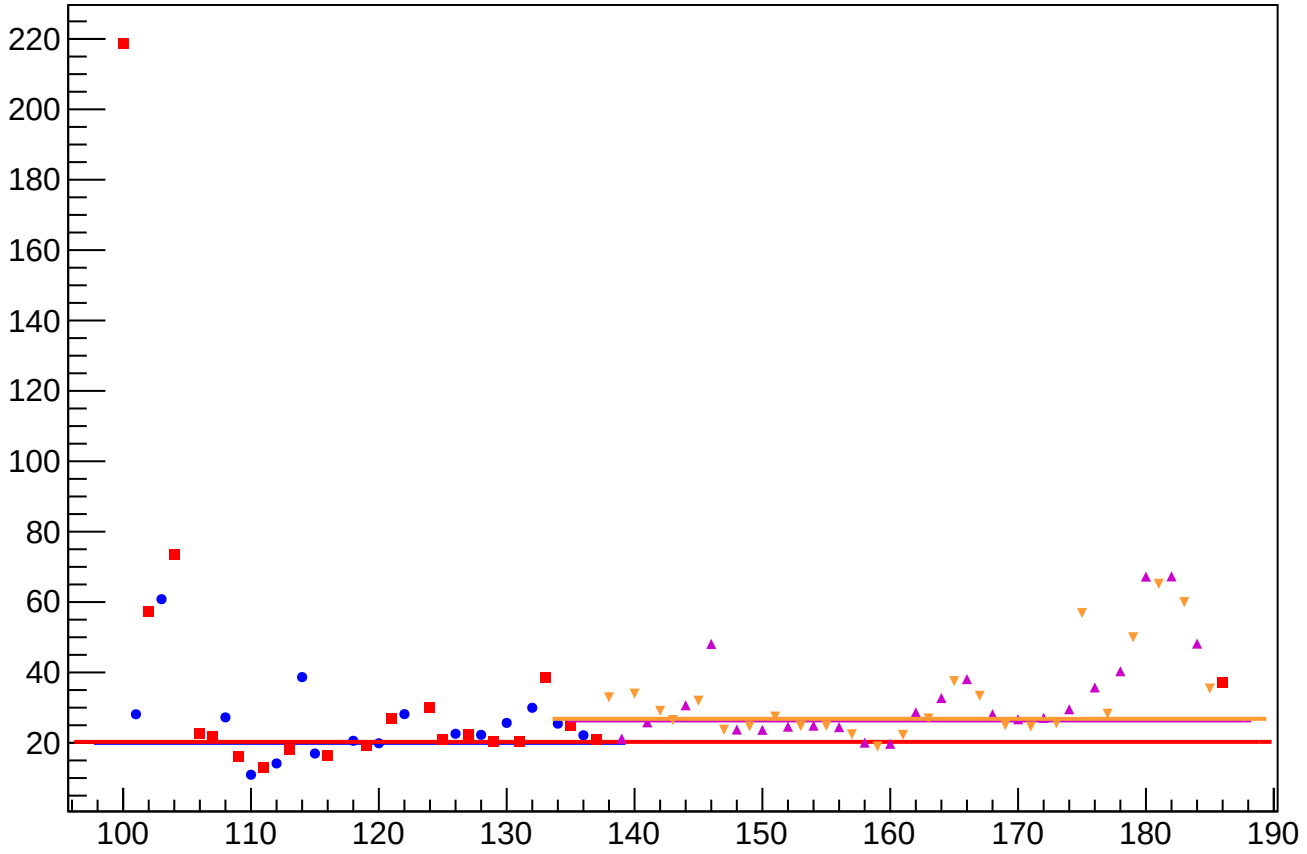
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.3/40

All: 0.001+/-0.004 χ^2/NDF: 104.9/83

- sign -0.000+/-0.005 χ^2/NDF: 66.4/42

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

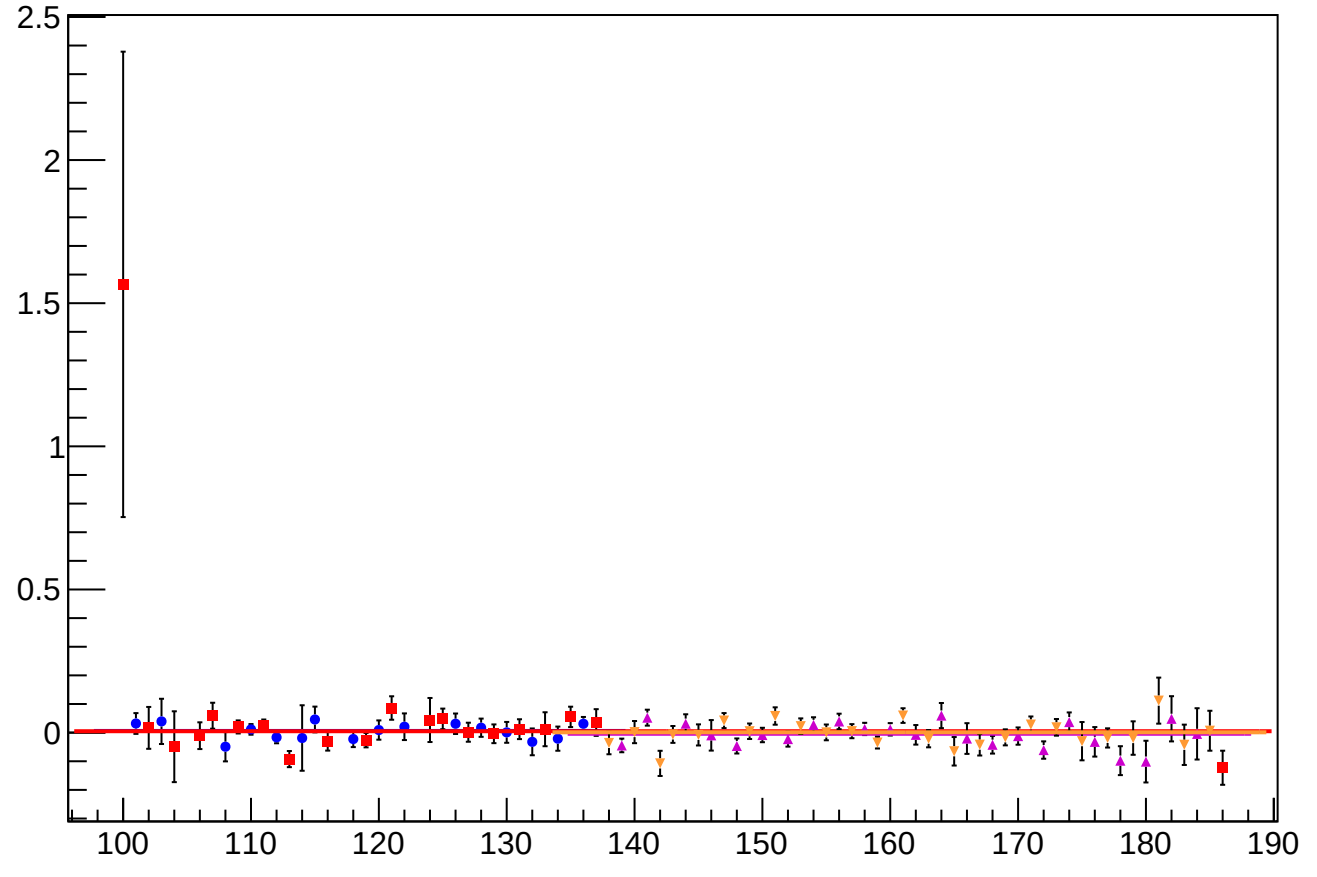
Right Out: 20.277+/-0.006 χ^2/NDF: 1882480.7/19

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.179+/-0.004 χ^2/NDF: 4965248.3/40

All: 24.046+/-0.003 χ^2/NDF: 10106301.2/83

- sign 23.913+/-0.004 χ^2/NDF: 5138310.5/42



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.005+/-0.008 χ^2/NDF: 34.5/19

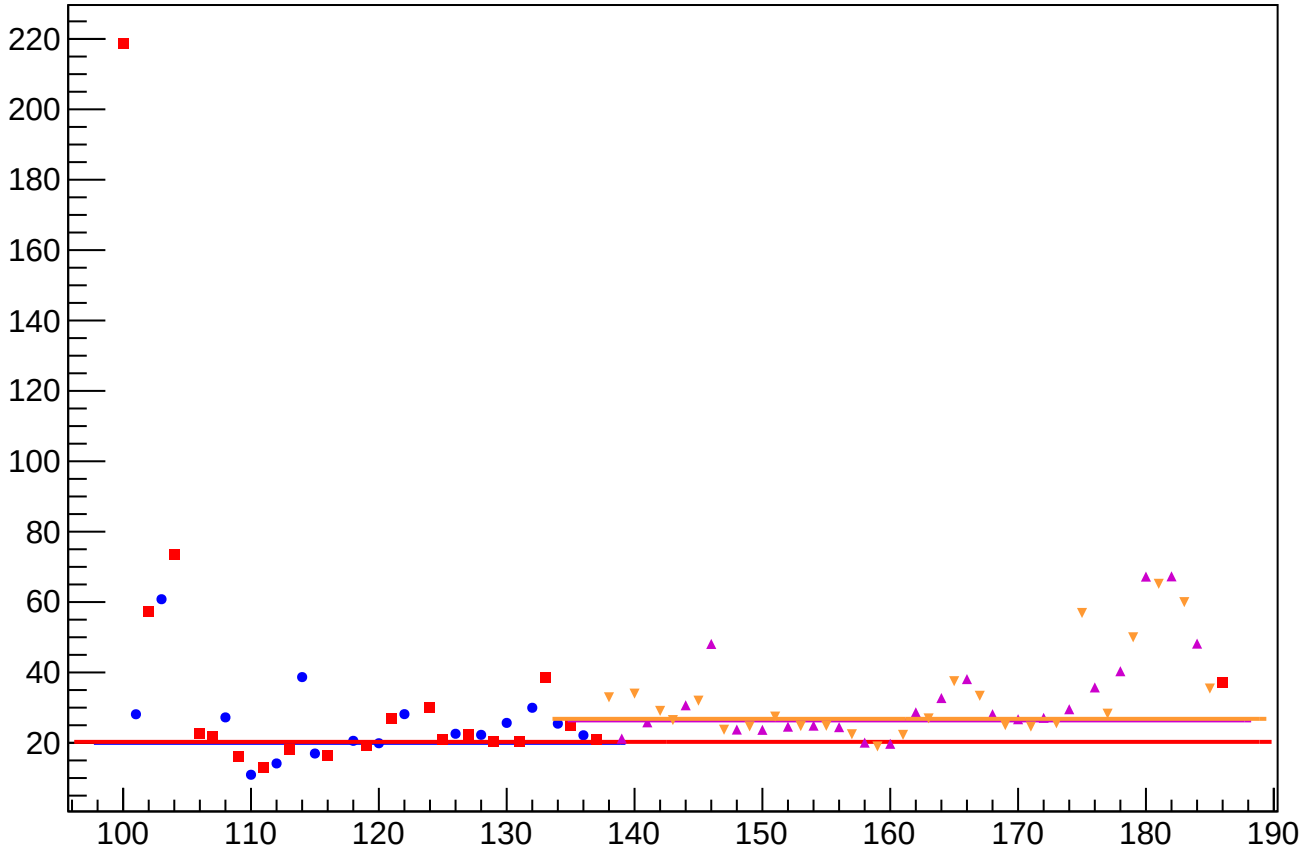
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.3/40

All: 0.001+/-0.004 χ^2/NDF: 104.9/83

- sign -0.000+/-0.005 χ^2/NDF: 66.4/42

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

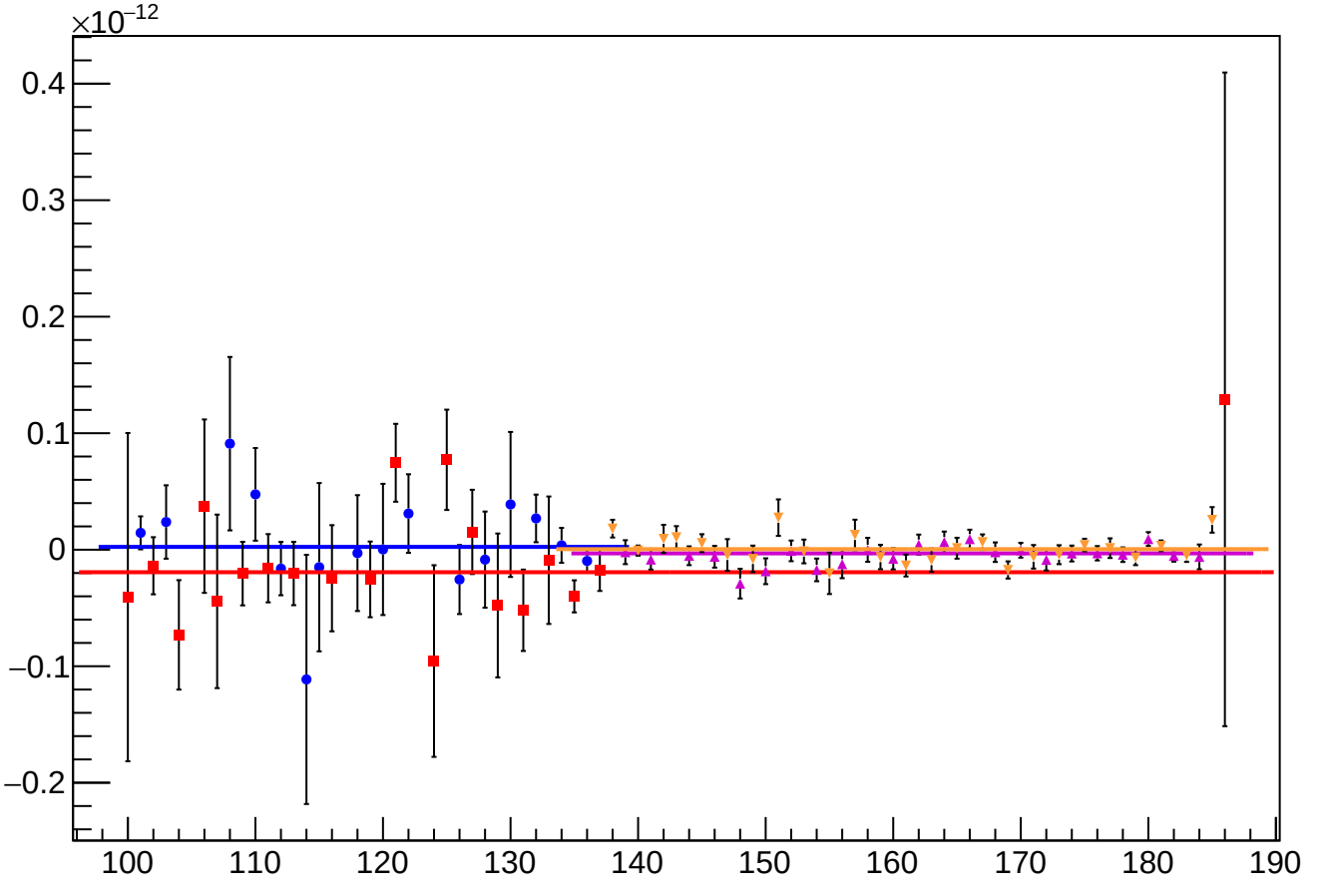
Right Out: 20.277+/-0.006 χ^2/NDF: 1882480.7/19

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

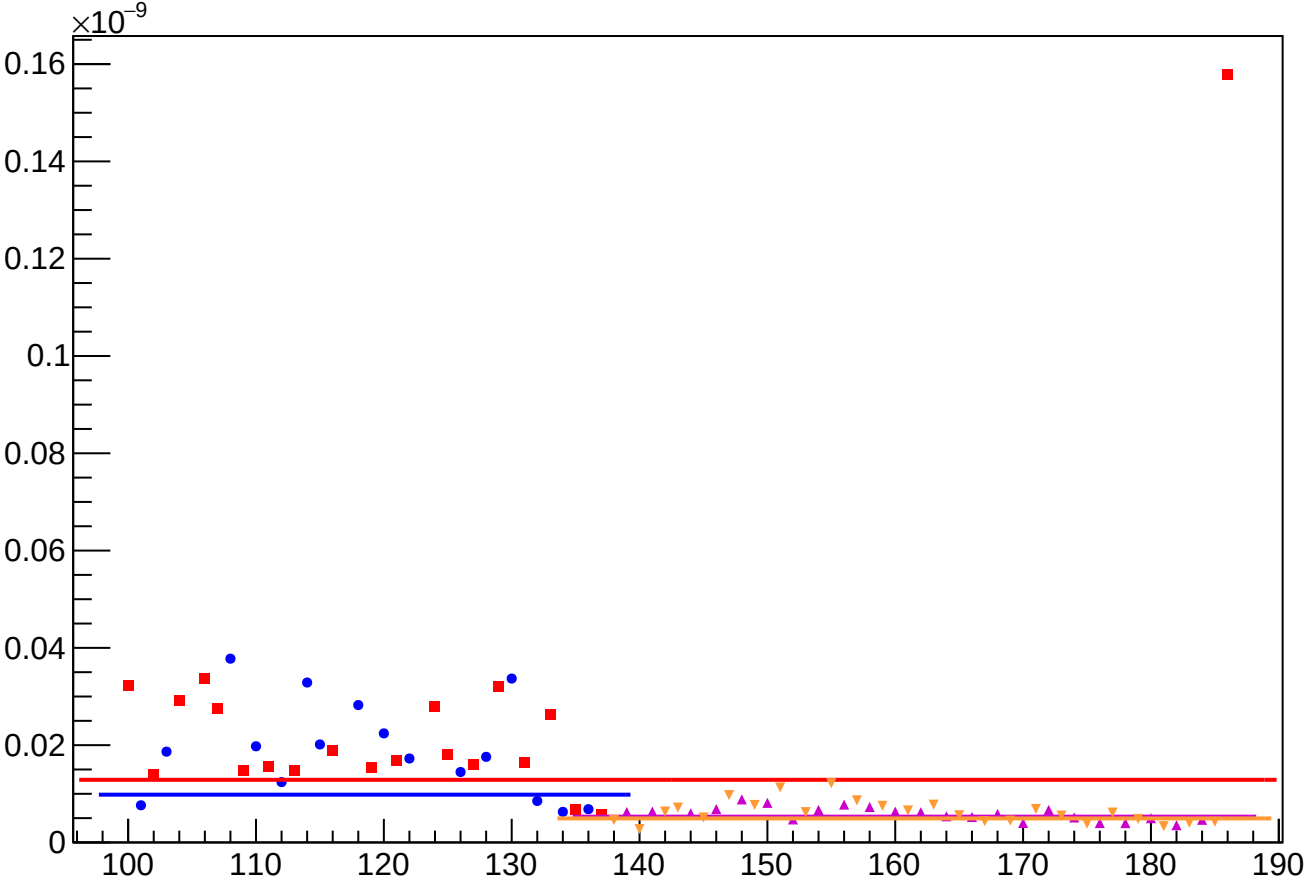
+ sign 24.179+/-0.004 χ^2/NDF: 4965248.3/40

All: 24.046+/-0.003 χ^2/NDF: 10106301.2/83

- sign 23.913+/-0.004 χ^2/NDF: 5138310.5/42


asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 10.8/15
Left Out: 0.000+/-0.000 χ²/NDF:32.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.5/19
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
+ sign 0.000+/-0.000 χ²/NDF: 43.6/40
All: -0.000+/-0.000 χ²/NDF: 92.5/83
- sign -0.000+/-0.000 χ²/NDF: 44.6/42

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2333084.1/19

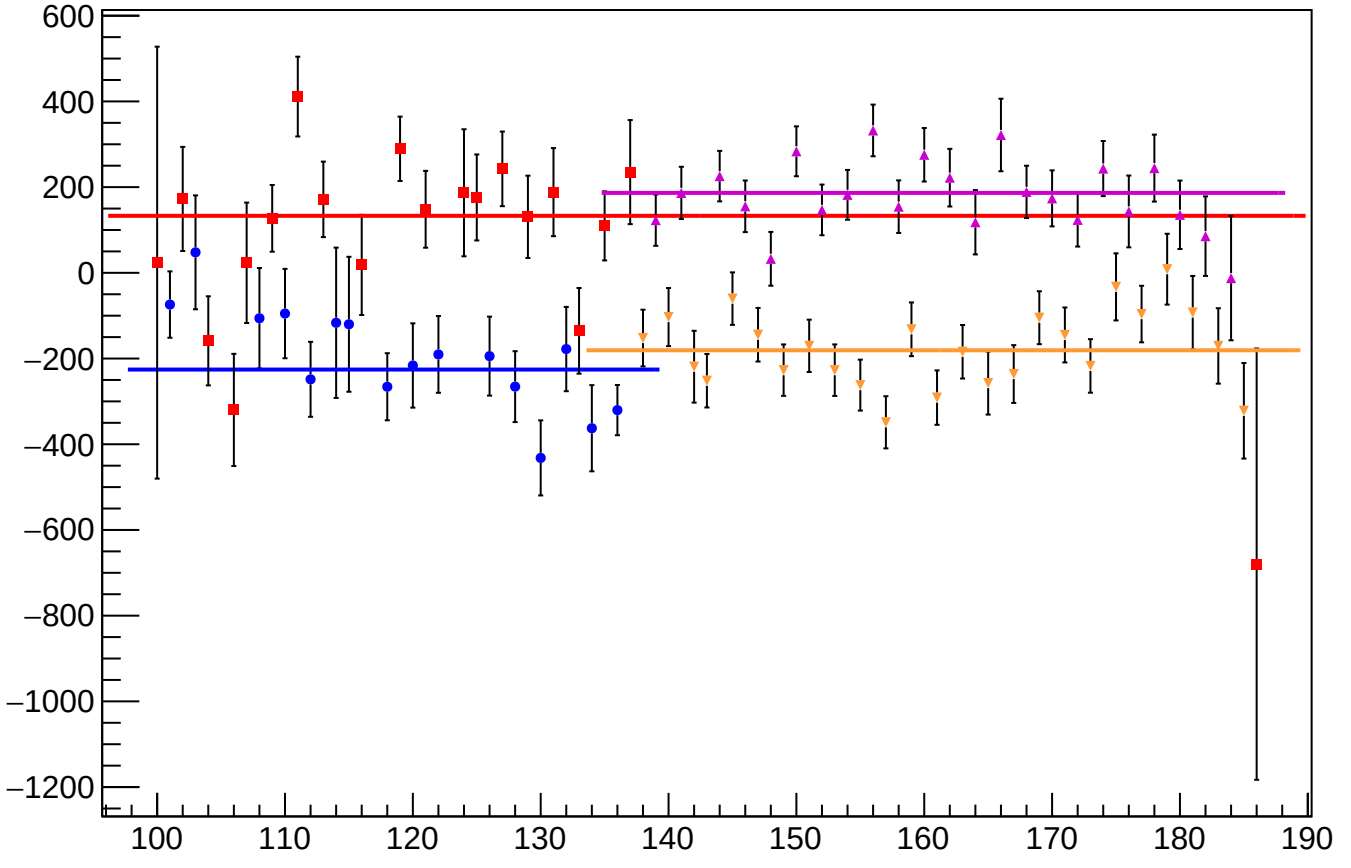
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6082686.6/40

All: 0.000+/-0.000 χ^2/NDF: 11918193.0/83

- sign 0.000+/-0.000 χ^2/NDF: 5763196.9/42

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 133.036+/-23.167 χ^2/NDF: 47.9/19

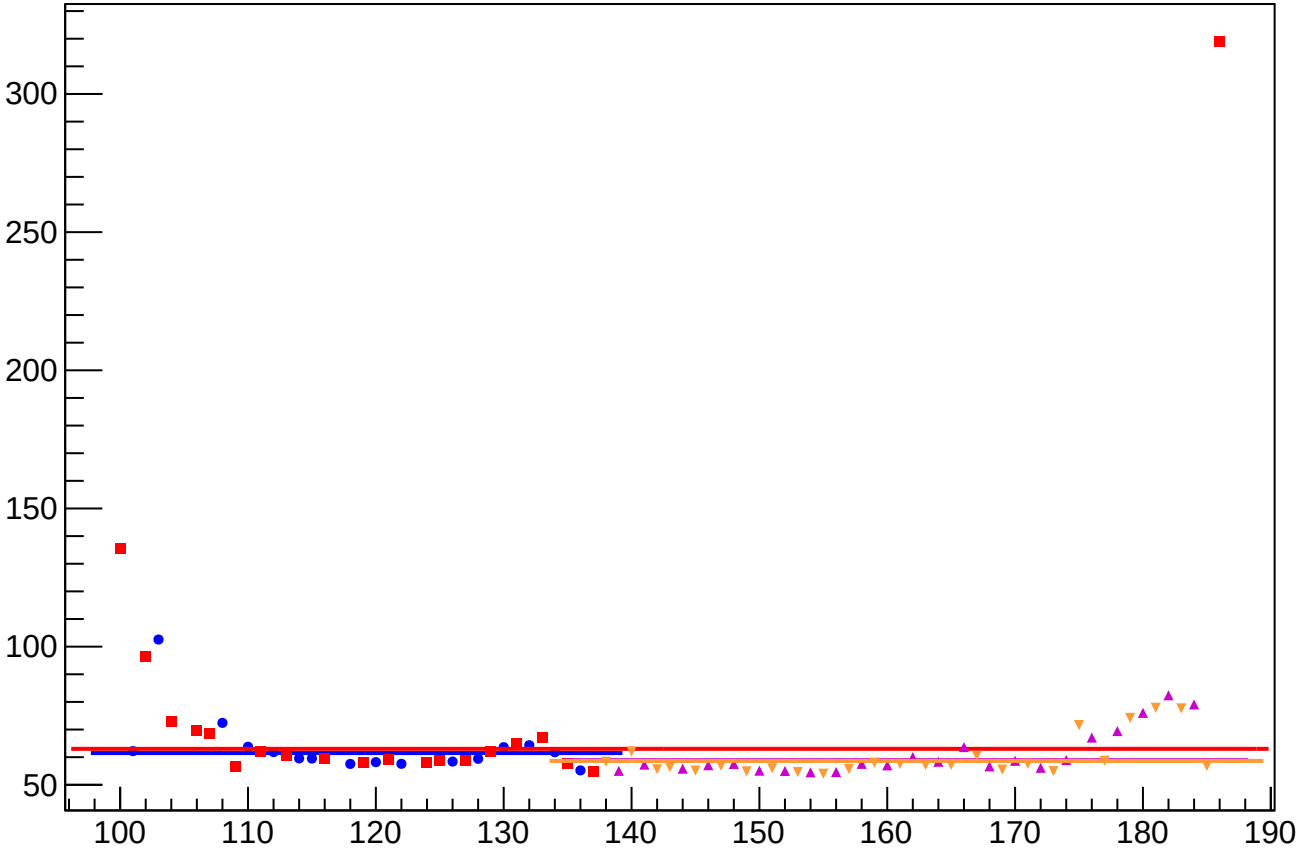
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -192.027+/-11.605 χ^2/NDF: 64.0/40

All: -14.258+/-8.306 χ^2/NDF: 625.9/83

- sign 172.457+/-11.894 χ^2/NDF: 80.8/42

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 63.019+/-0.016 χ^2/NDF: 799455.8/19

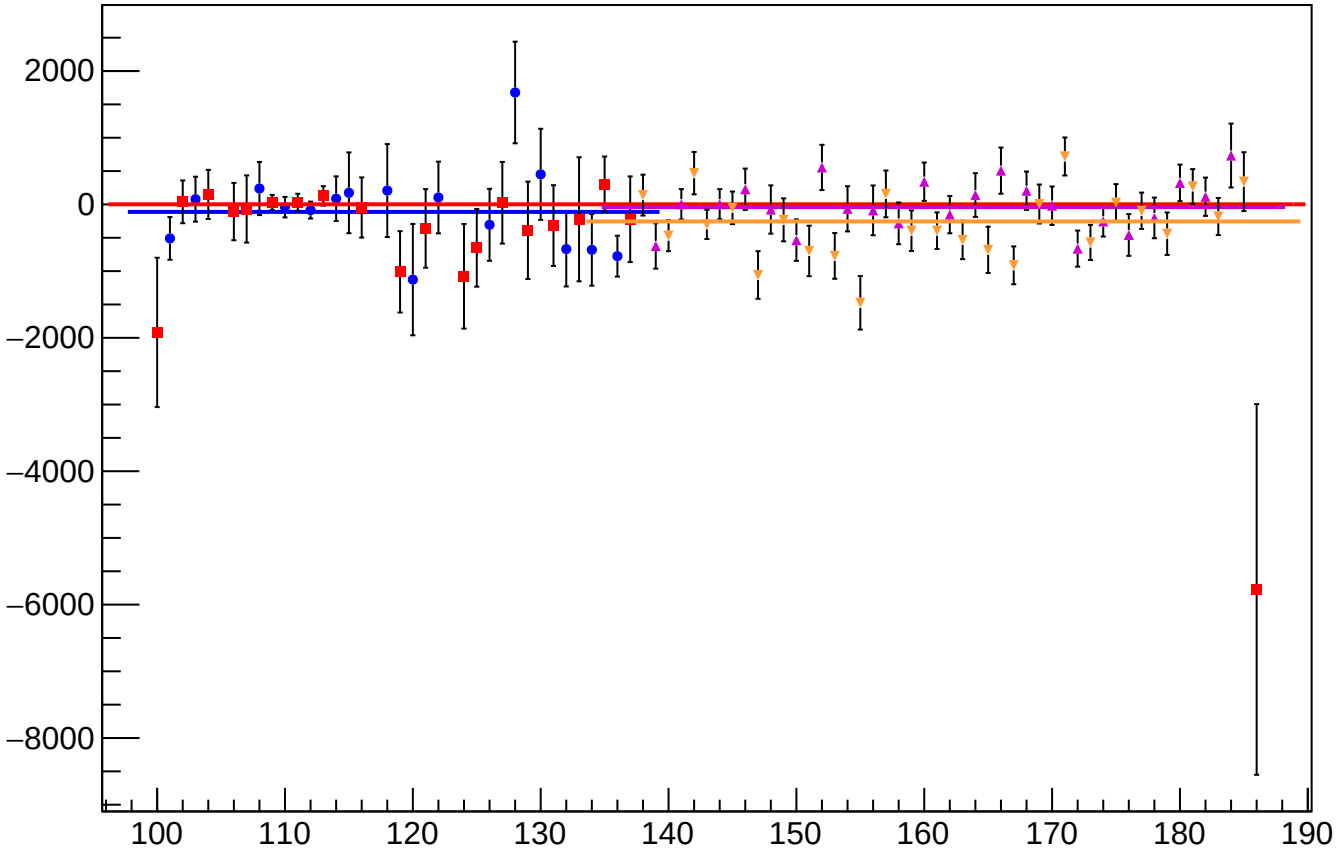
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.360+/-0.008 χ^2/NDF: 667158.1/40

All: 59.667+/-0.006 χ^2/NDF: 1902735.4/83

- sign 59.990+/-0.008 χ^2/NDF: 1232700.8/42

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 1.837+/-63.916 χ^2/NDF: 16.0/19

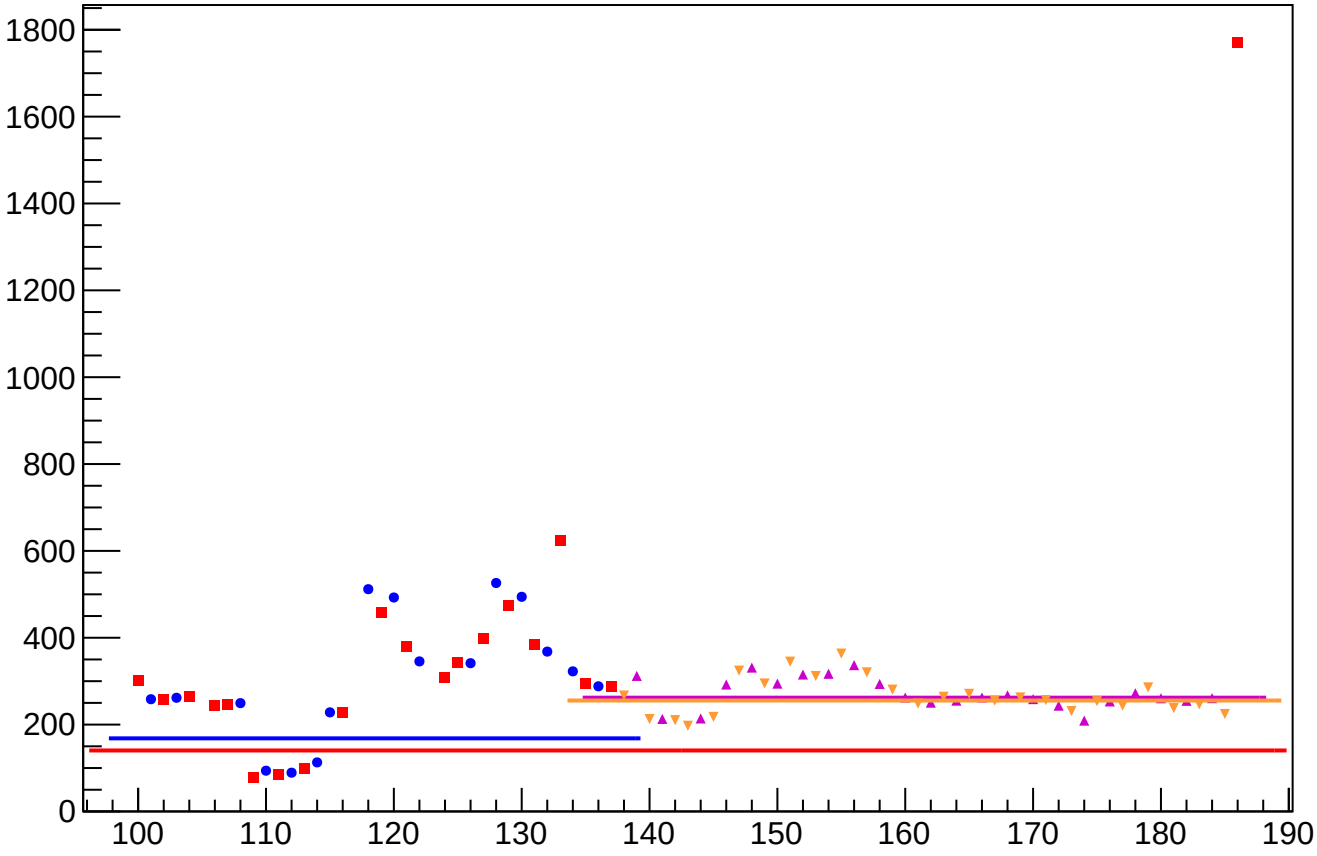
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -201.278+/-46.593 χ^2/NDF: 78.3/40

All: -106.036+/-32.165 χ^2/NDF: 130.8/83

- sign -19.317+/-44.459 χ^2/NDF: 44.5/42

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 140.456+/-0.045 χ^2/NDF: 5842540.3/19

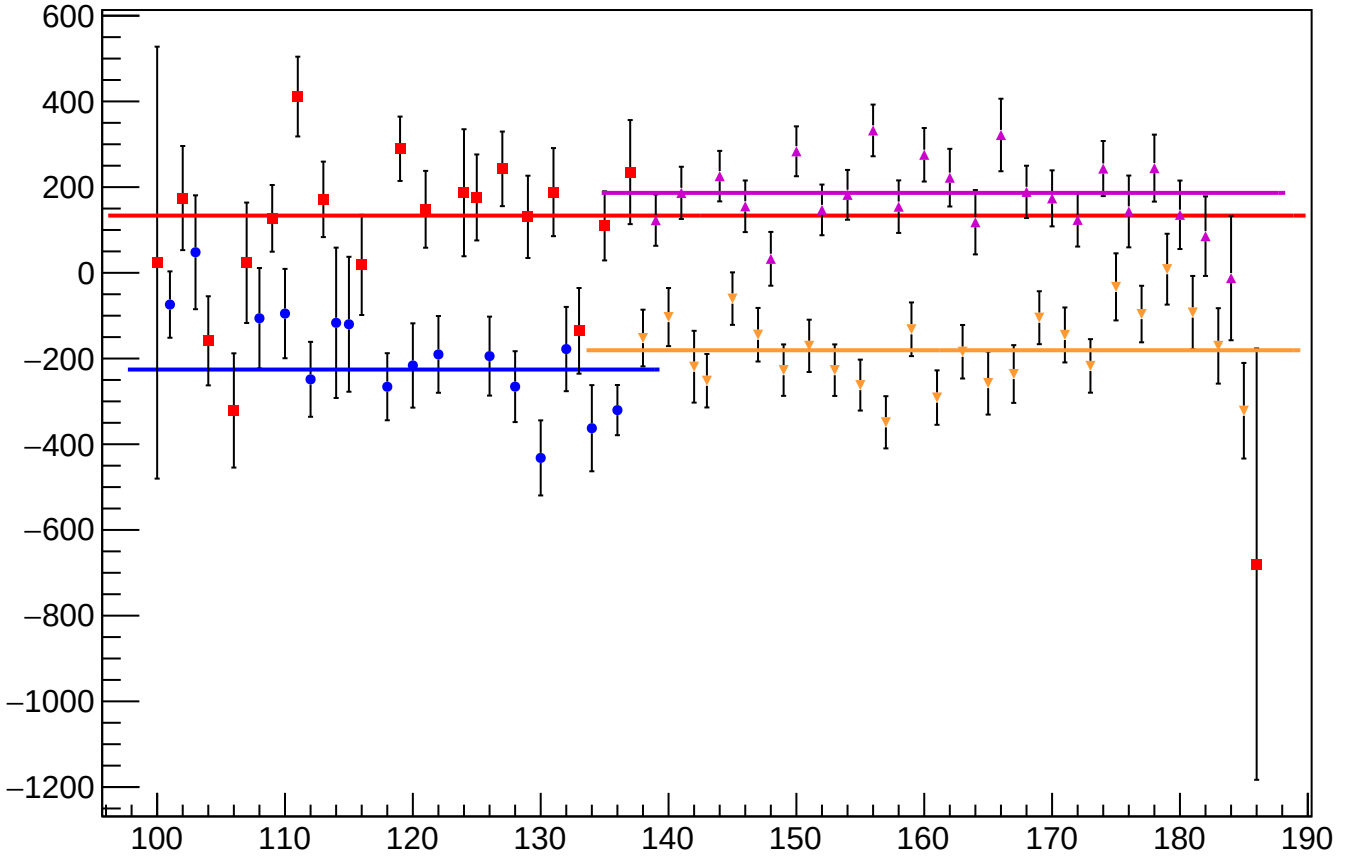
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 222.901+/-0.033 χ^2/NDF: 7045334.0/40

All: 212.587+/-0.023 χ^2/NDF: 17479168.8/83

- sign 203.195+/-0.031 χ^2/NDF: 10246582.4/42

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 133.581+/-23.180 χ^2/NDF: 47.5/19

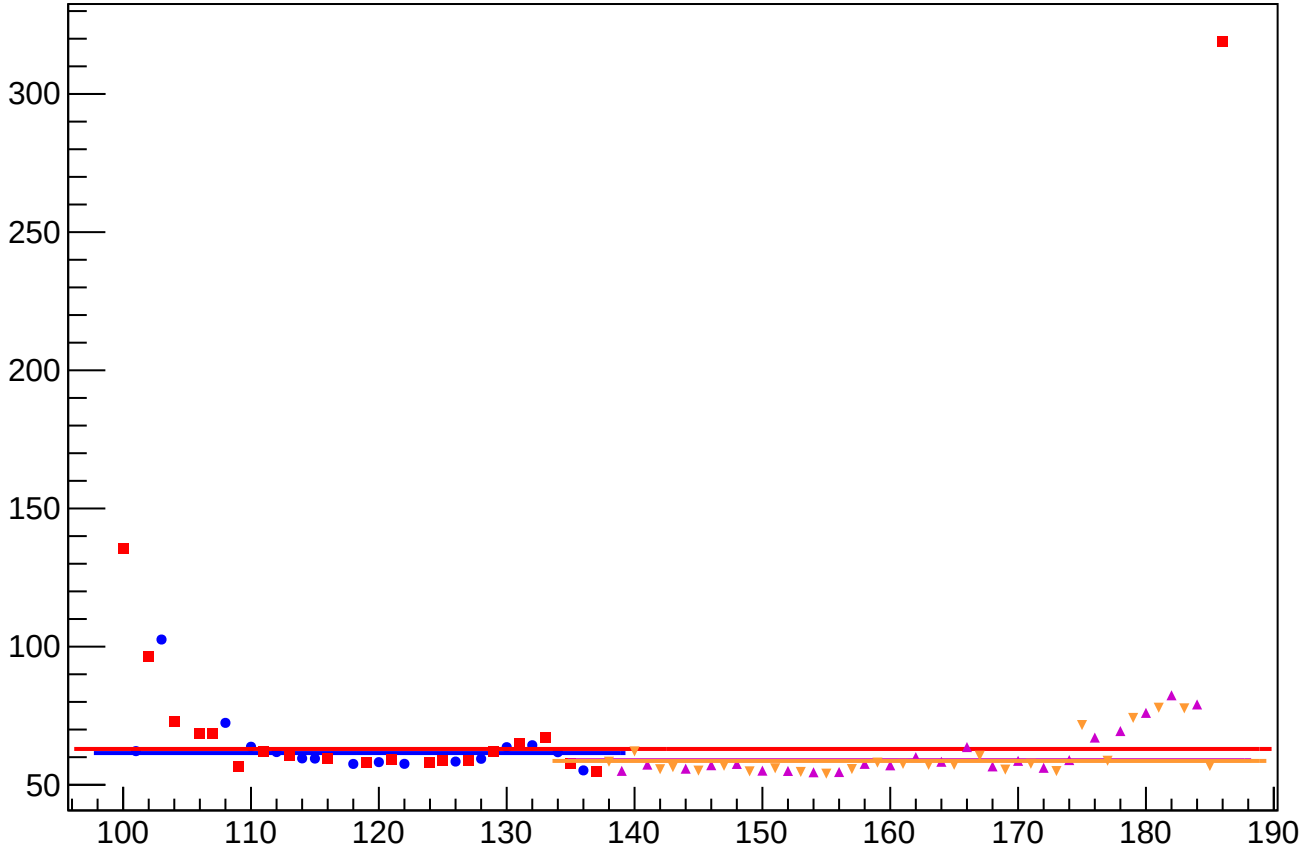
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -192.023+/-11.605 χ^2/NDF: 64.0/40

All: -14.208+/-8.307 χ^2/NDF: 625.8/83

- sign 172.614+/-11.896 χ^2/NDF: 80.4/42

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 62.977+/-0.016 χ^2/NDF: 797889.1/19

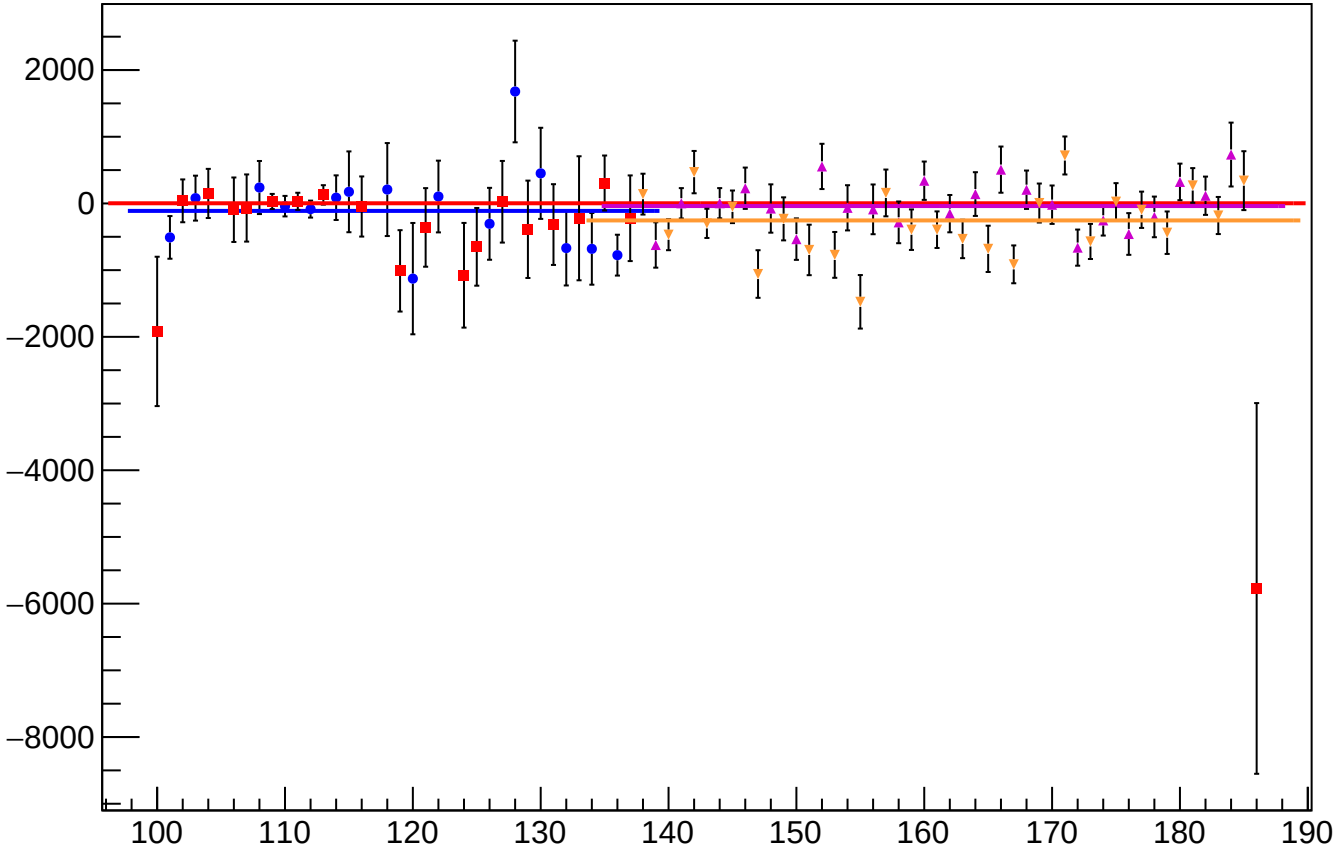
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.360+/-0.008 χ^2/NDF: 667160.7/40

All: 59.661+/-0.006 χ^2/NDF: 1900071.8/83

- sign 59.978+/-0.008 χ^2/NDF: 1230144.3/42

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 2.545+/-64.068 χ^2/NDF: 15.9/19

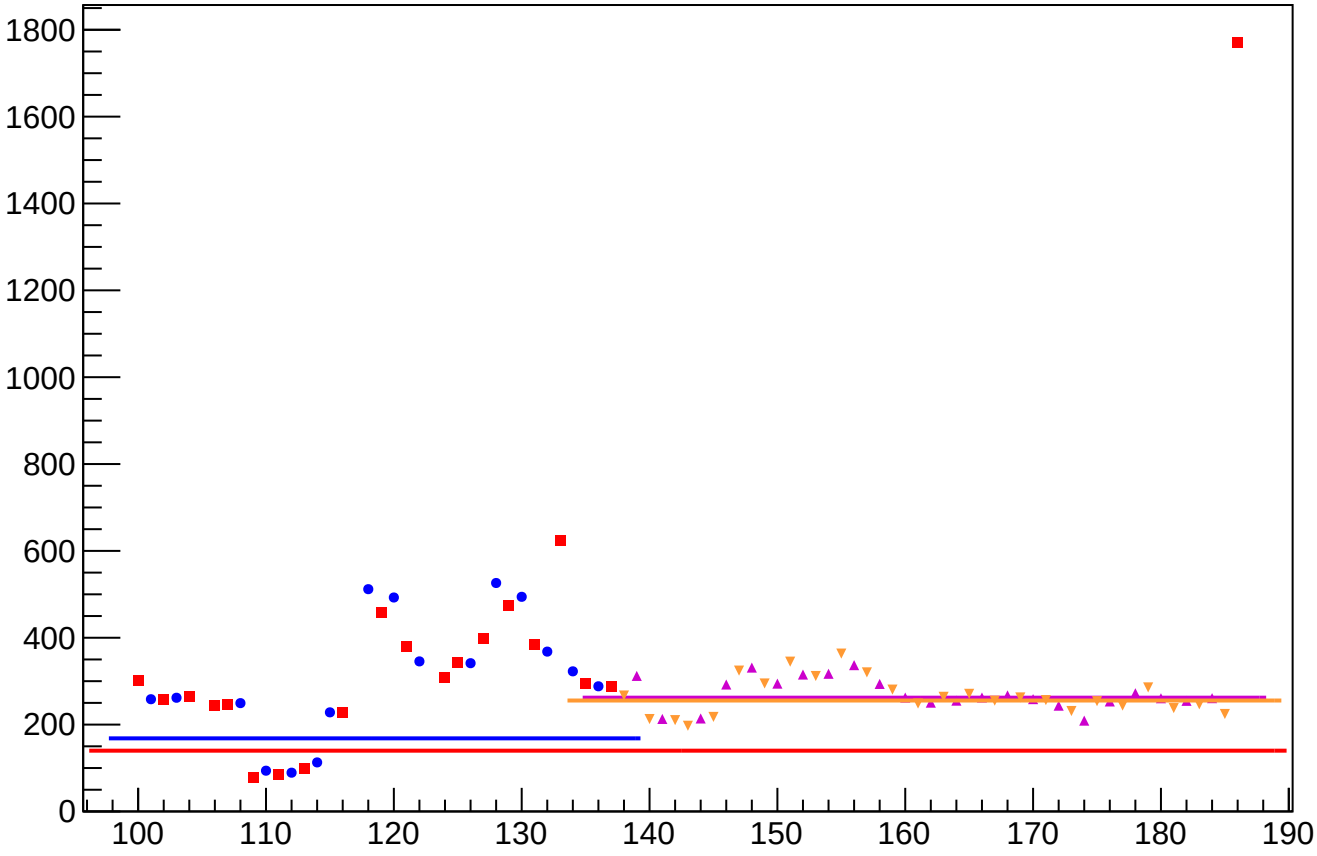
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -201.269+/-46.593 χ^2/NDF: 78.3/40

All: -105.982+/-32.184 χ^2/NDF: 130.8/83

- sign -19.022+/-44.510 χ^2/NDF: 44.5/42

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 139.972+/-0.045 χ^2/NDF: 5818808.6/19

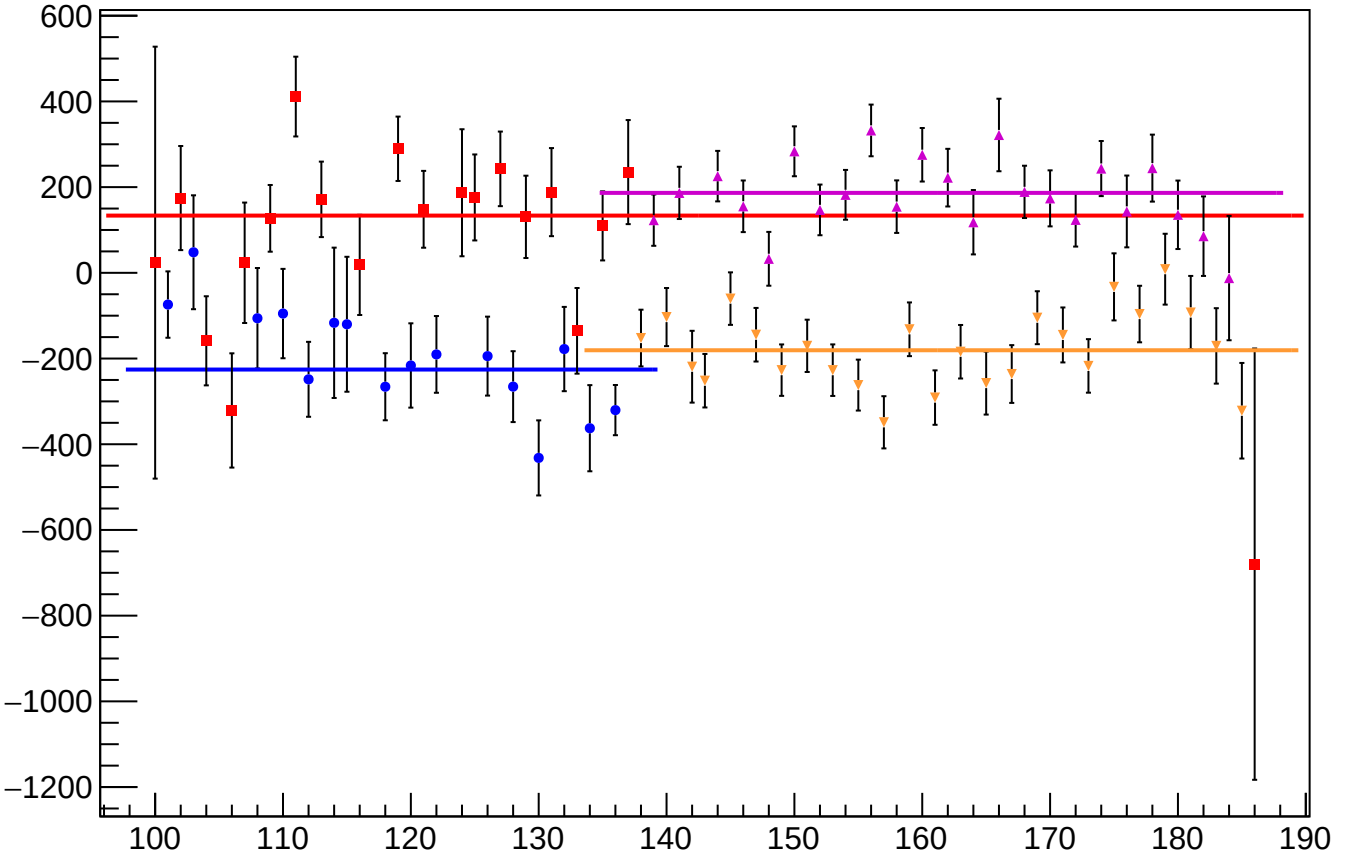
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 222.901+/-0.033 χ^2/NDF: 7045362.6/40

All: 212.551+/-0.023 χ^2/NDF: 17477558.3/83

- sign 203.106+/-0.031 χ^2/NDF: 10243439.5/42

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 133.581+/-23.180 χ^2/NDF: 47.5/19

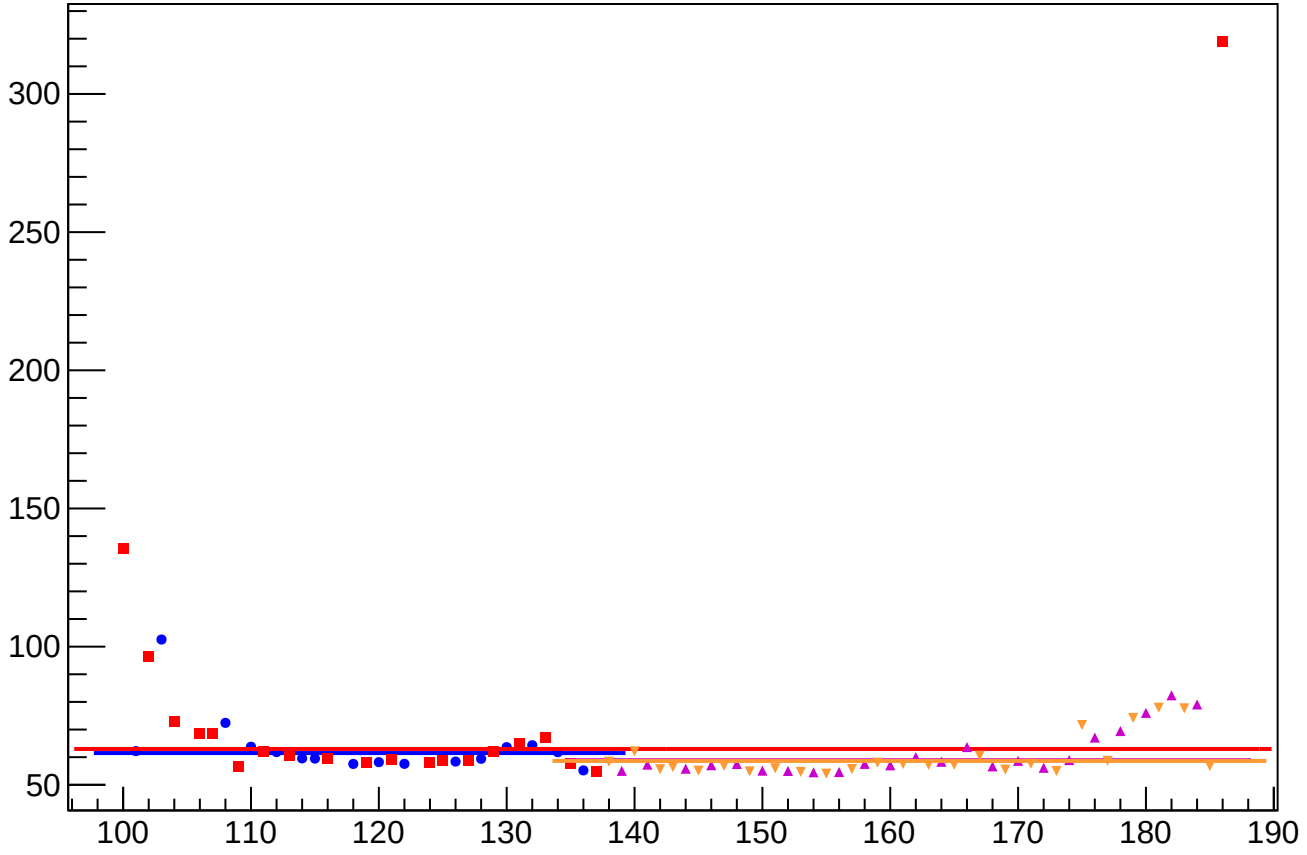
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -192.023+/-11.605 χ^2/NDF: 64.0/40

All: -14.208+/-8.307 χ^2/NDF: 625.8/83

- sign 172.614+/-11.896 χ^2/NDF: 80.4/42

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

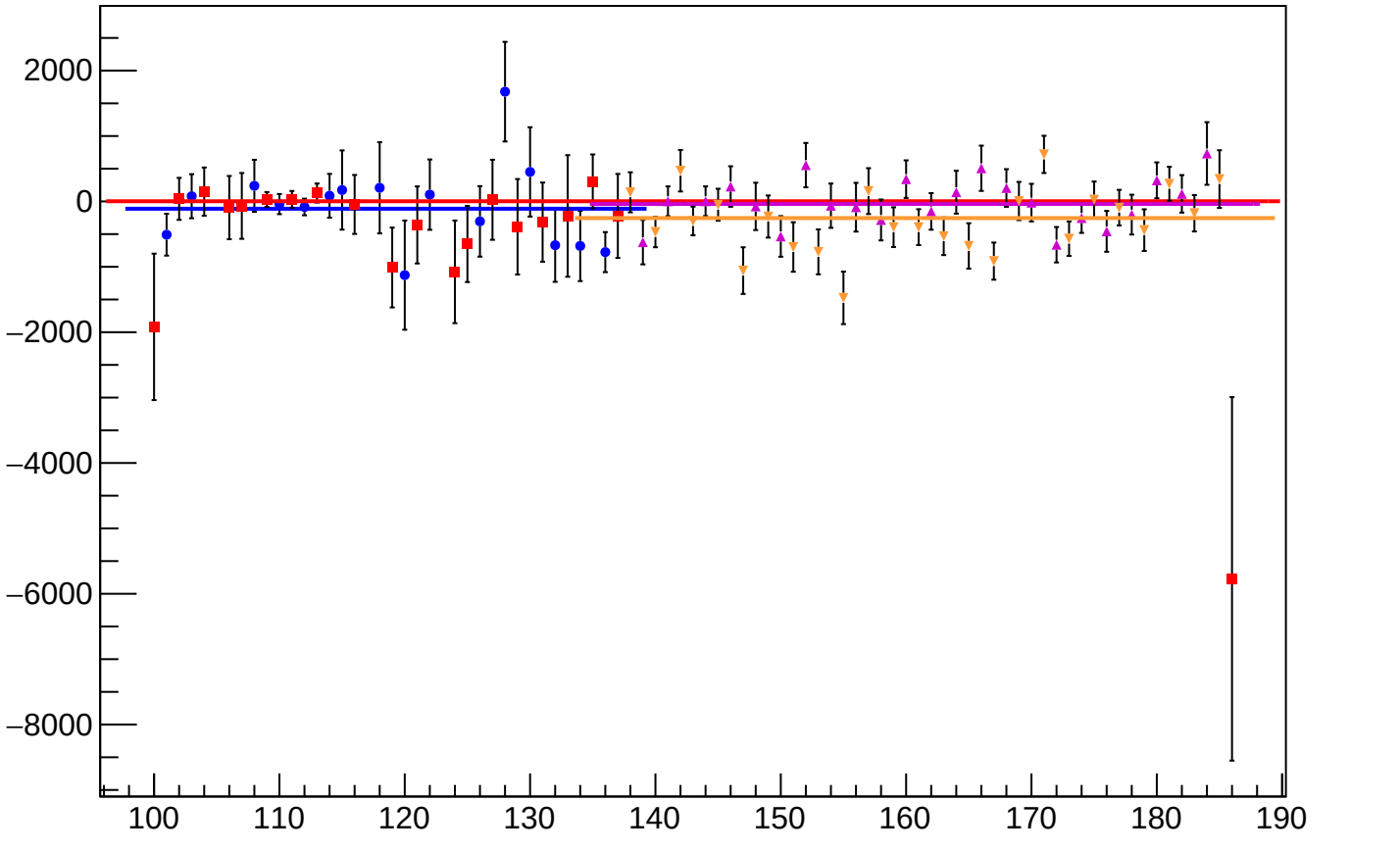
Right Out: 62.977+/-0.016 χ^2/NDF: 797889.1/19

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.360+/-0.008 χ^2/NDF: 667160.7/40

All: 59.661+/-0.006 χ^2/NDF: 1900071.8/83

- sign 59.978+/-0.008 χ^2/NDF: 1230144.3/42



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 2.545+/-64.068 χ^2/NDF: 15.9/19

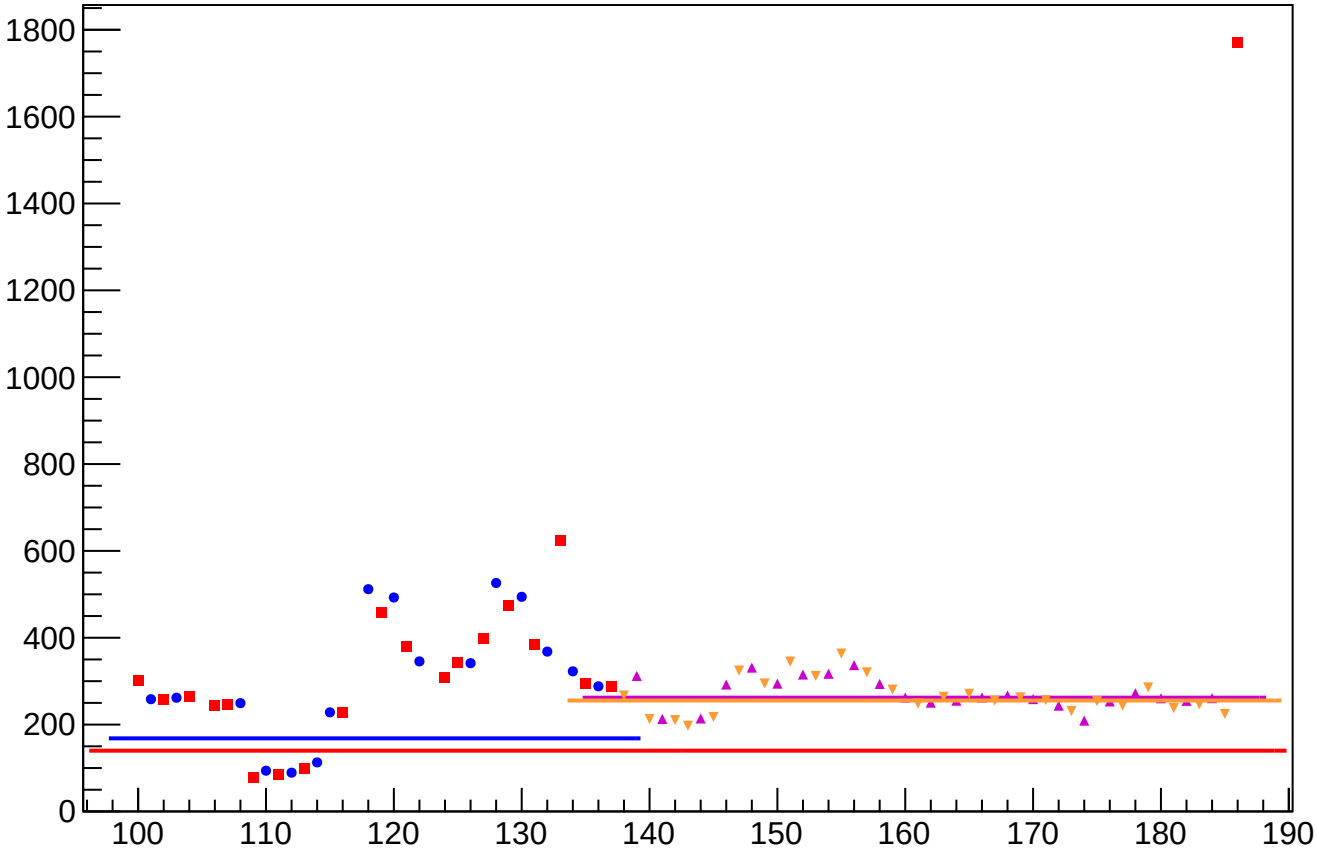
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -201.269+/-46.593 χ^2/NDF: 78.3/40

All: -105.982+/-32.184 χ^2/NDF: 130.8/83

- sign -19.022+/-44.510 χ^2/NDF: 44.5/42

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 139.972+/-0.045 χ^2/NDF: 5818808.6/19

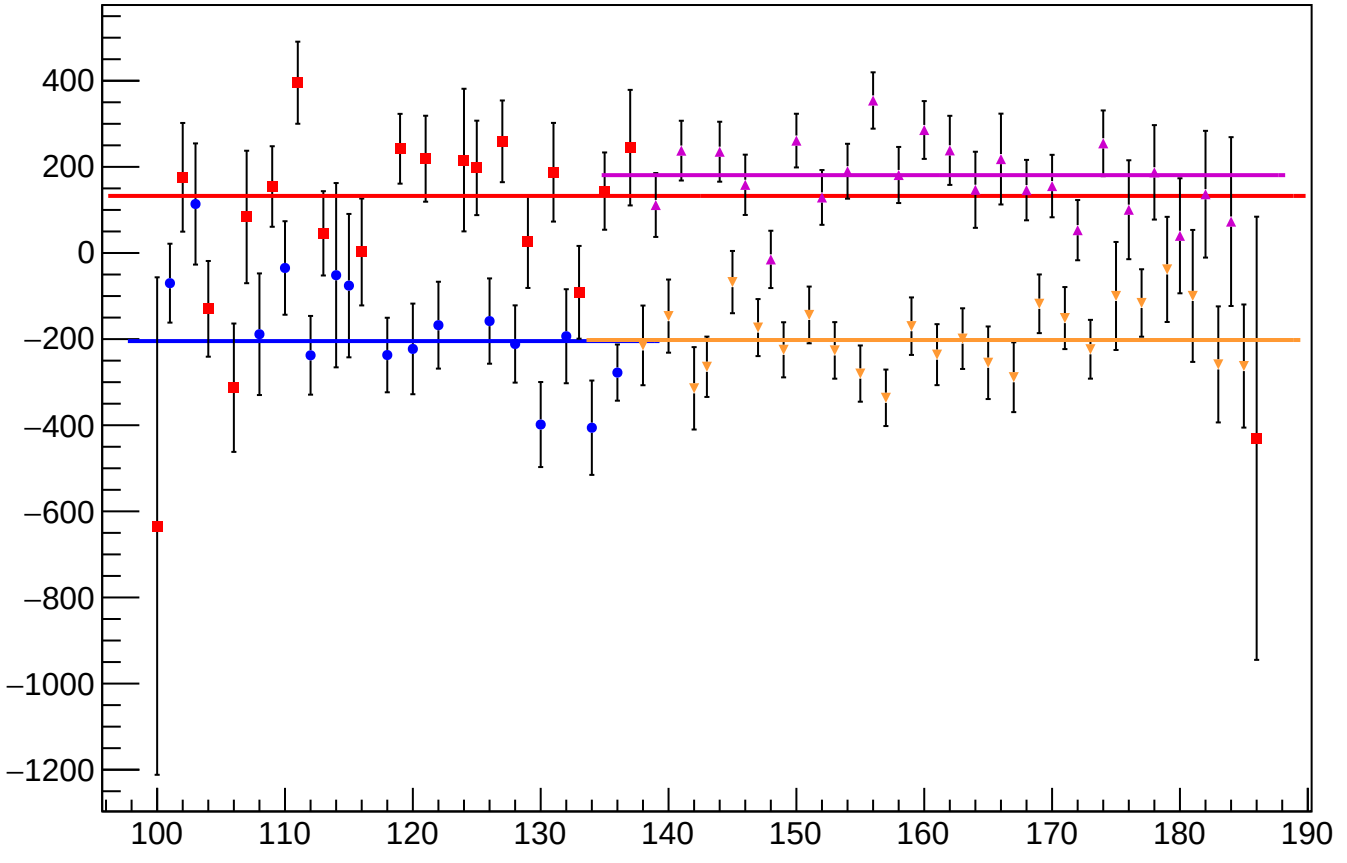
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 222.901+/-0.033 χ^2/NDF: 7045362.6/40

All: 212.551+/-0.023 χ^2/NDF: 17477558.3/83

- sign 203.106+/-0.031 χ^2/NDF: 10243439.5/42

dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 132.544+/-25.452 χ^2/NDF: 38.4/19

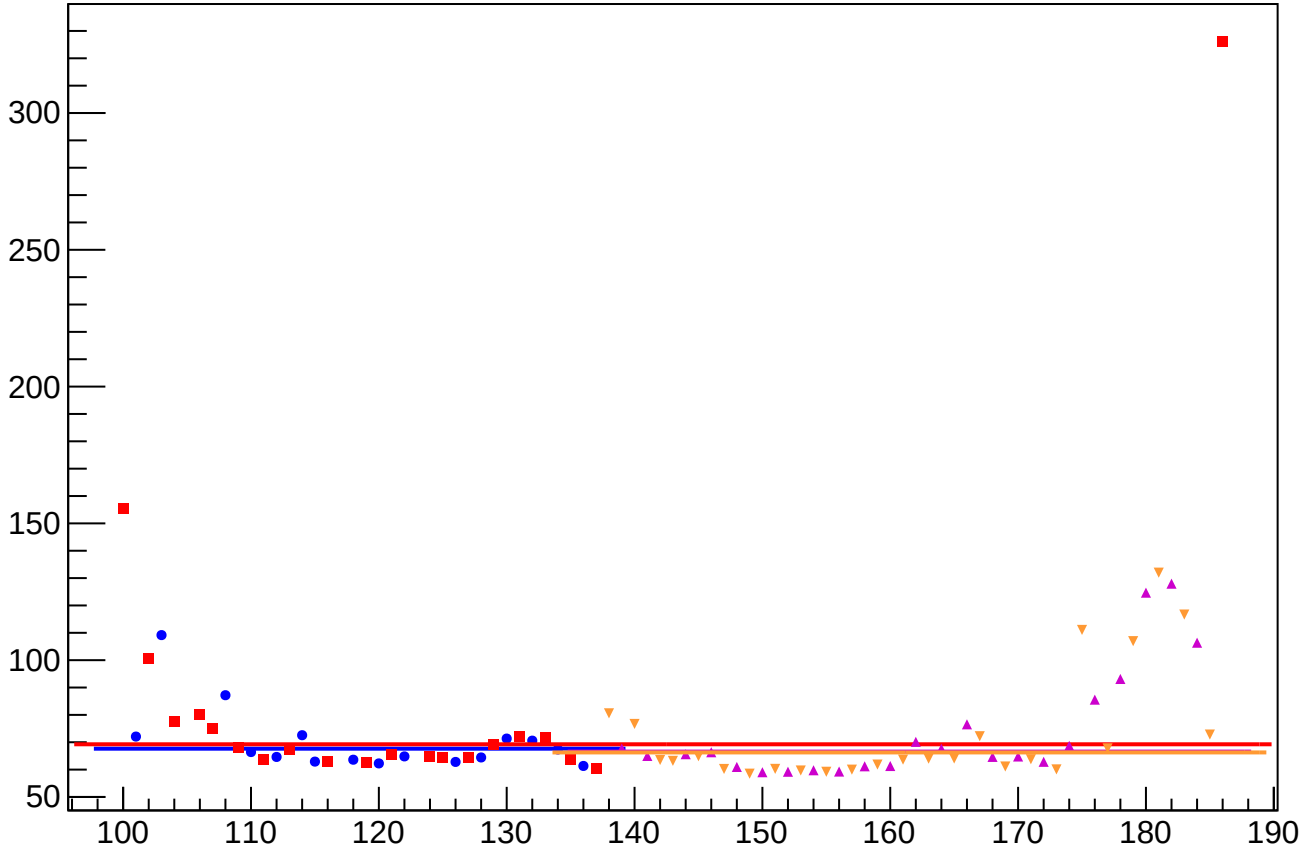
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -202.763+/-13.272 χ^2/NDF: 41.5/40

All: -21.765+/-9.484 χ^2/NDF: 492.7/83

- sign 167.097+/-13.557 χ^2/NDF: 71.1/42

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 69.254+/-0.018 χ^2/NDF: 747544.7/19

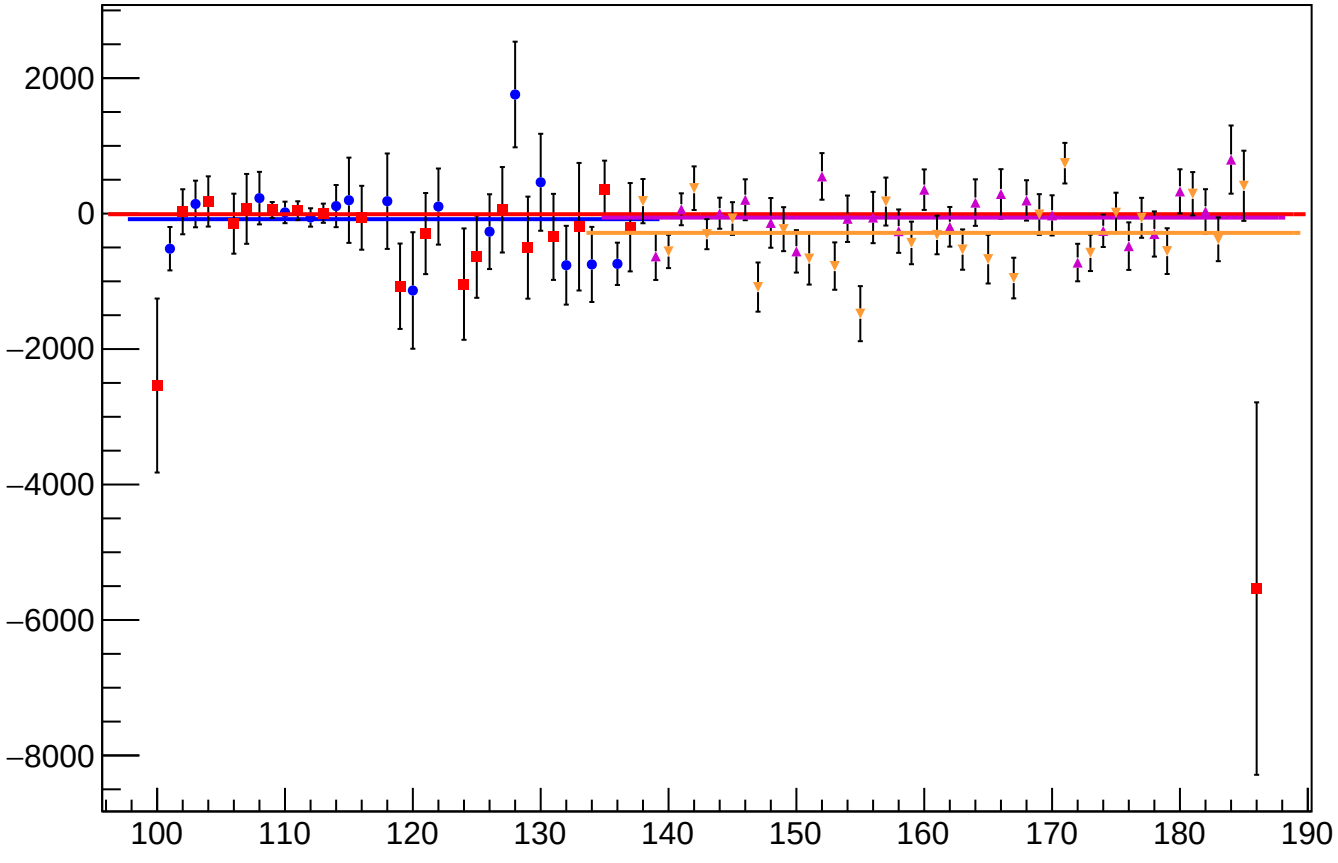
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 66.649+/-0.009 χ^2/NDF: 1661744.0/40

All: 66.988+/-0.007 χ^2/NDF: 3585944.4/83

- sign 67.342+/-0.010 χ^2/NDF: 1921528.5/42

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -9.239+/-65.891 χ^2/NDF: 16.1/19

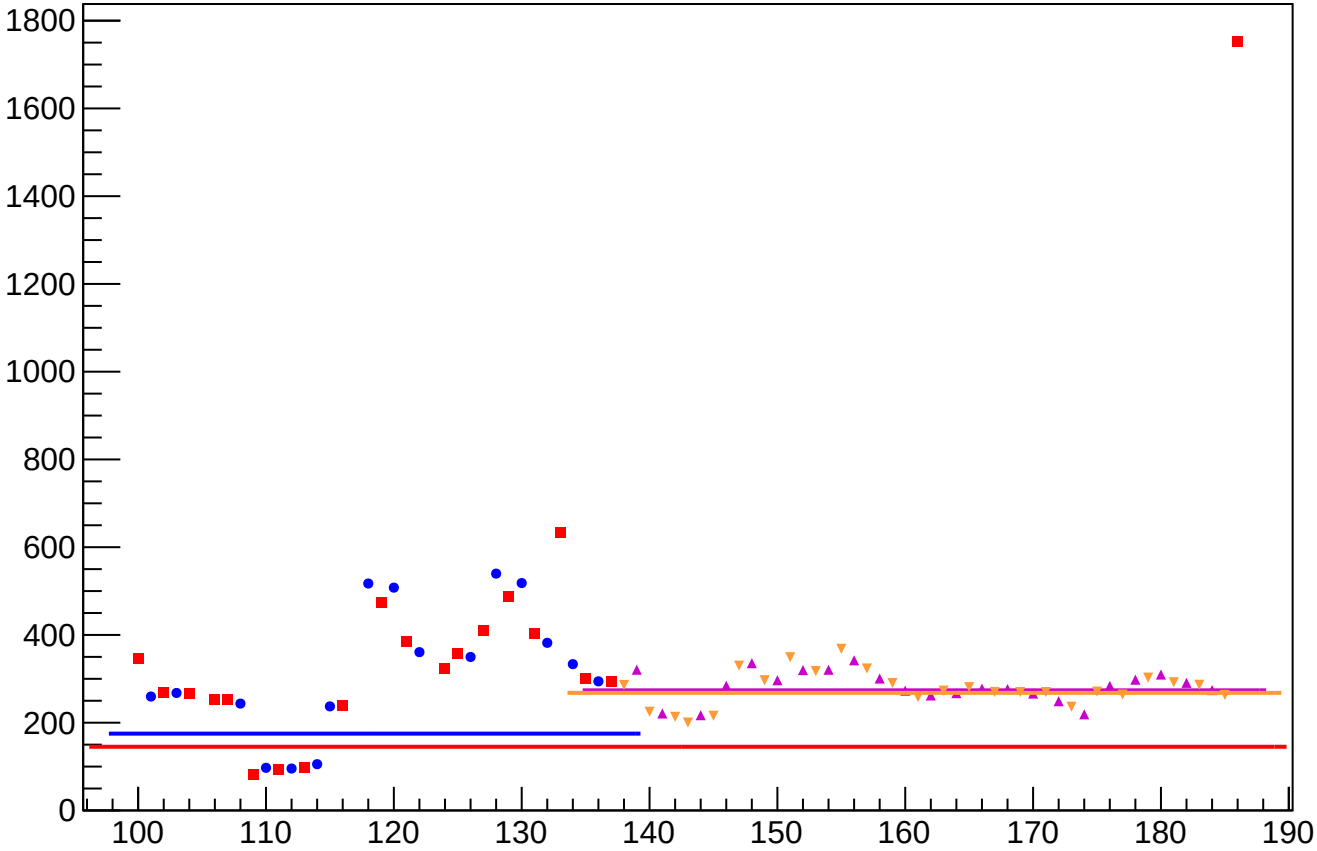
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -207.399+/-48.564 χ^2/NDF: 77.9/40

All: -116.625+/-33.451 χ^2/NDF: 127.8/83

- sign -34.680+/-46.142 χ^2/NDF: 43.2/42

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 145.200+/-0.047 χ^2/NDF: 5816199.1/19

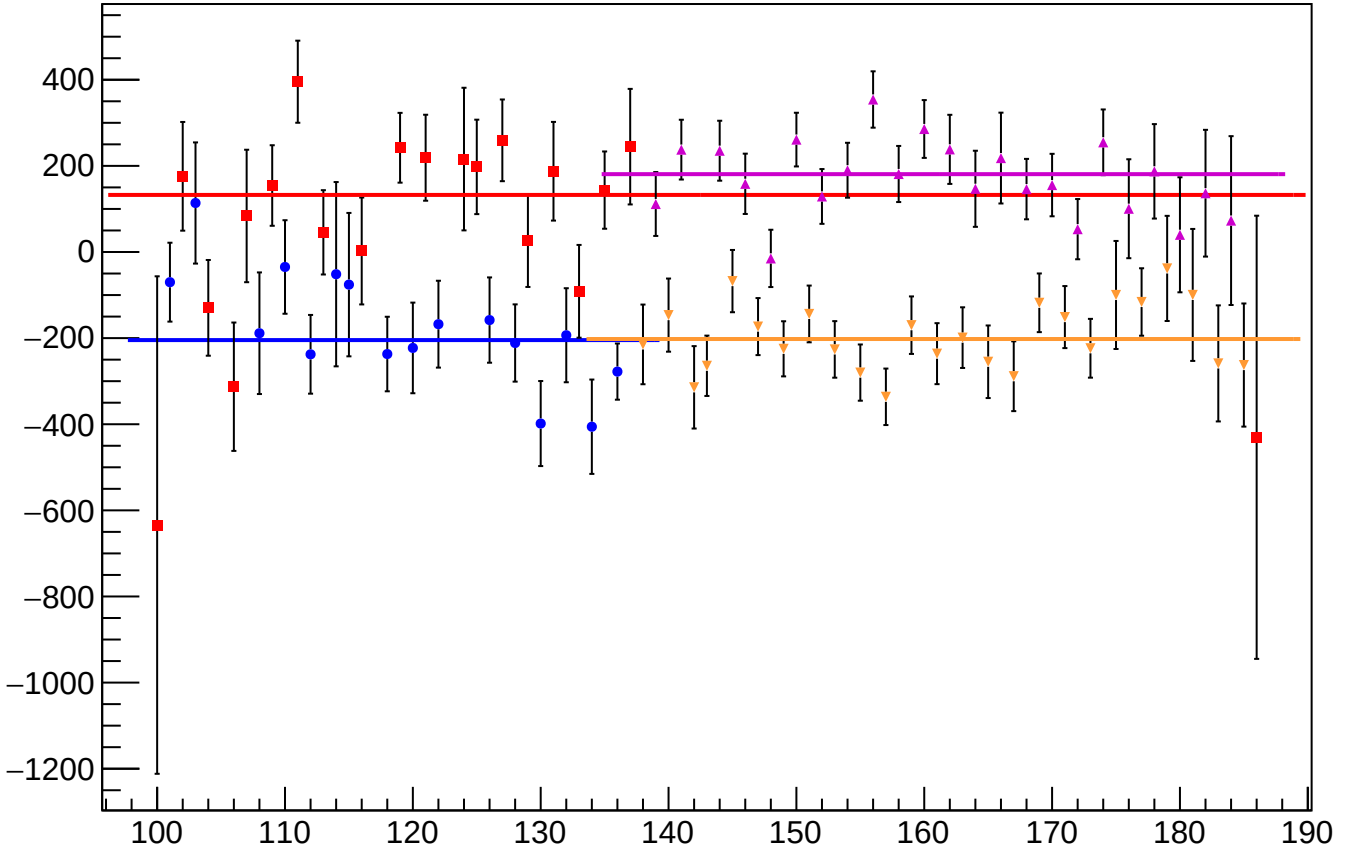
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 232.594+/-0.034 χ^2/NDF: 7017397.8/40

All: 221.093+/-0.024 χ^2/NDF: 17576721.1/83

- sign 210.711+/-0.033 χ^2/NDF: 10345907.7/42

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 132.545+/-25.452 χ^2/NDF: 38.4/19

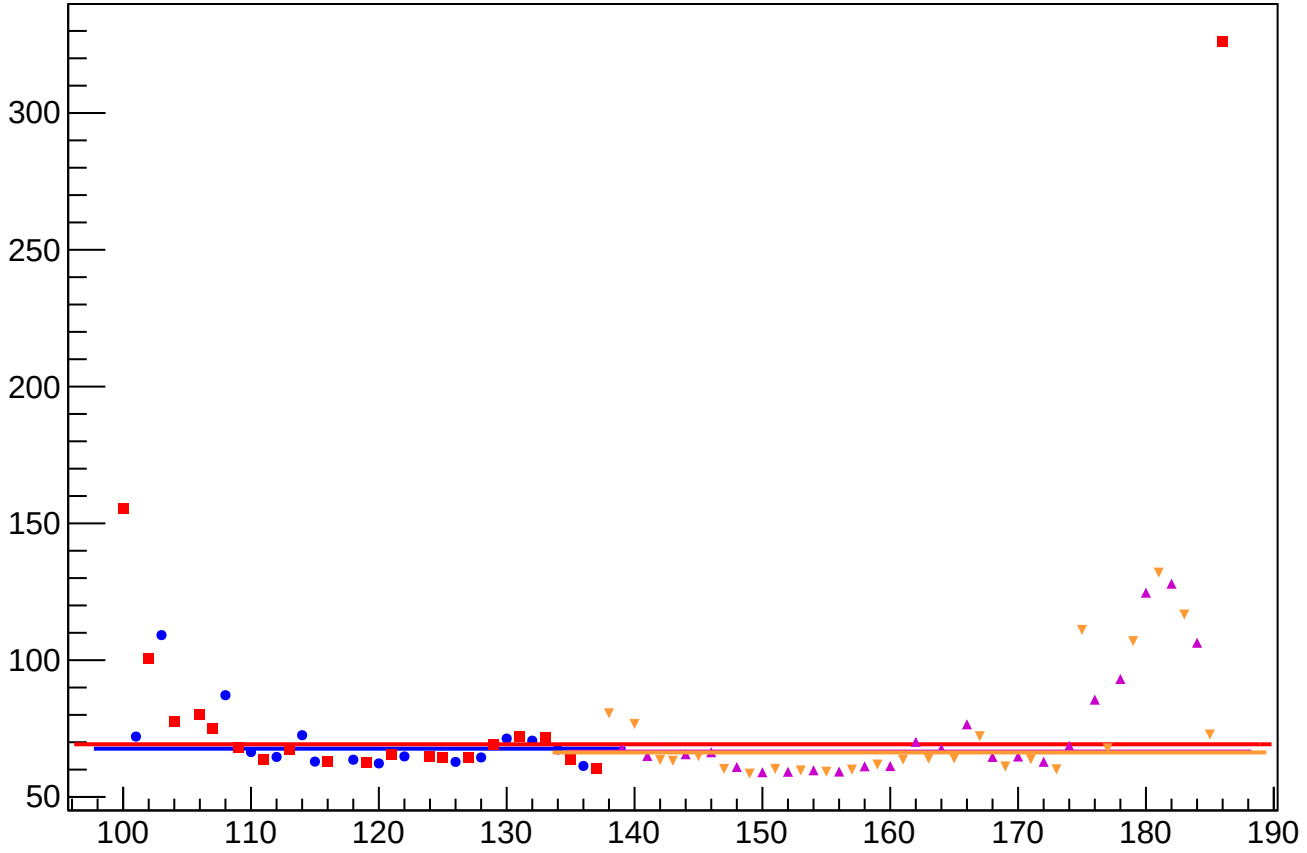
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -202.762+/-13.272 χ^2/NDF: 41.5/40

All: -21.765+/-9.484 χ^2/NDF: 492.7/83

- sign 167.098+/-13.557 χ^2/NDF: 71.1/42

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 69.254+/-0.018 χ^2/NDF: 747547.0/19

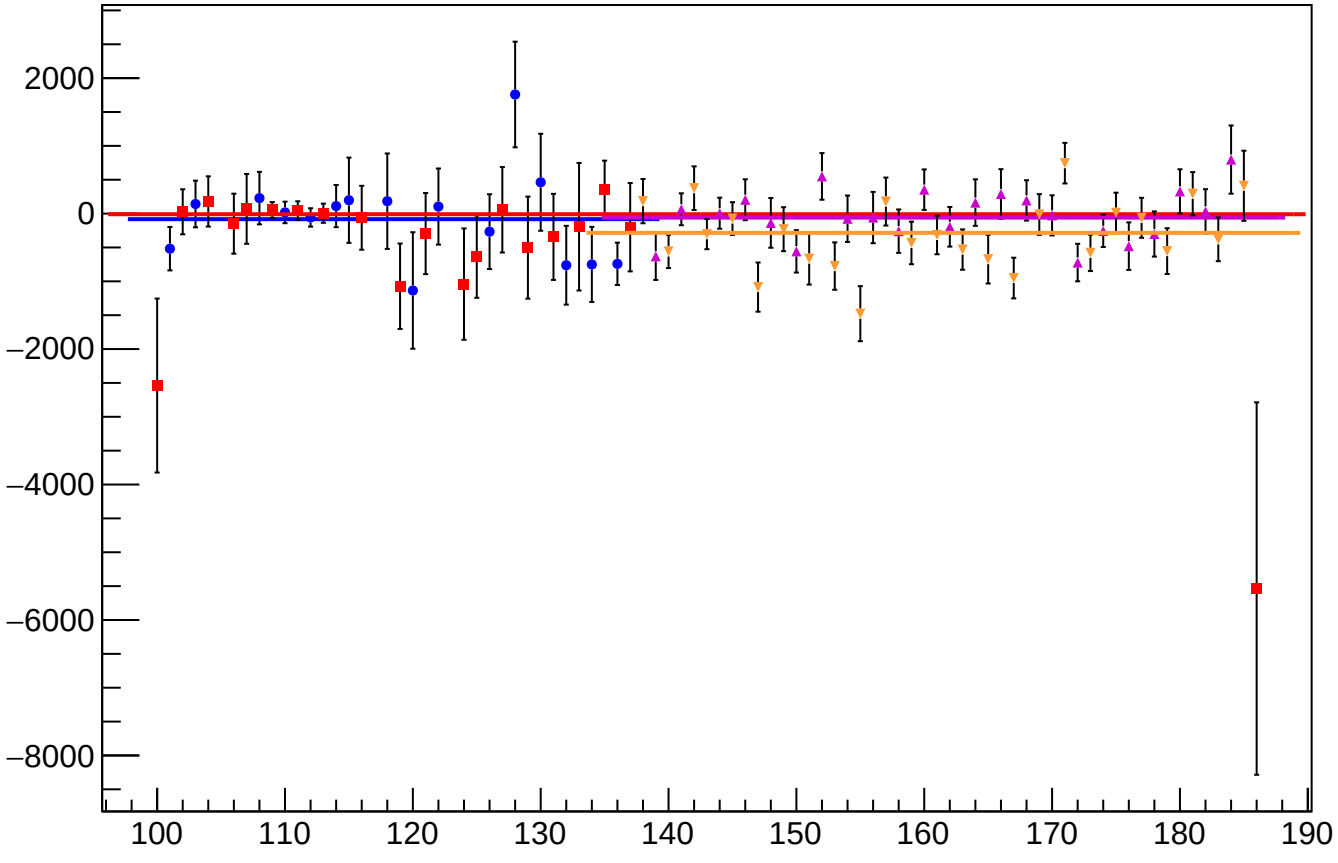
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 66.649+/-0.009 χ^2/NDF: 1661744.0/40

All: 66.988+/-0.007 χ^2/NDF: 3585937.4/83

- sign 67.342+/-0.010 χ^2/NDF: 1921521.5/42

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -9.238+/-65.891 χ^2/NDF: 16.1/19

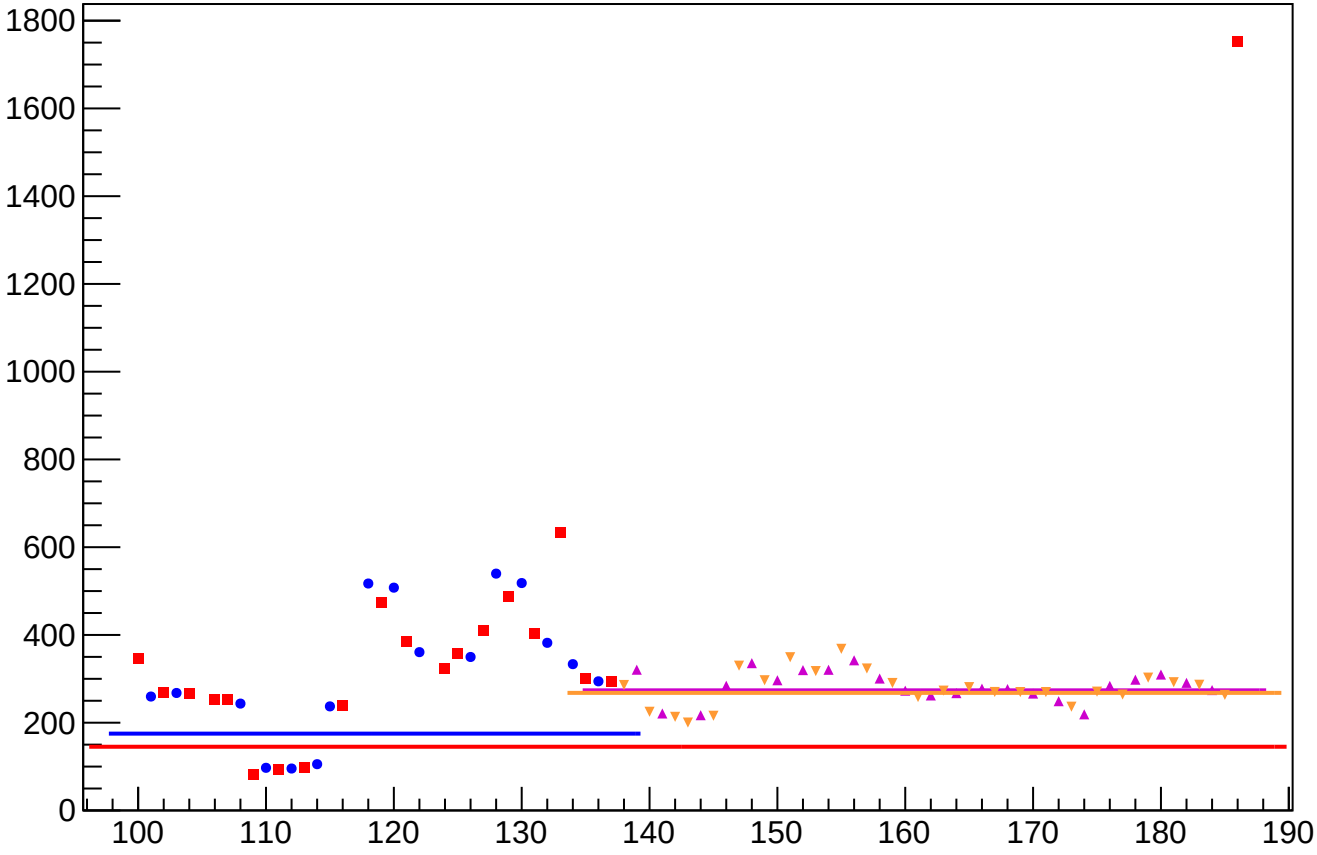
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -207.398+/-48.564 χ^2/NDF: 77.9/40

All: -116.624+/-33.451 χ^2/NDF: 127.8/83

- sign -34.679+/-46.142 χ^2/NDF: 43.2/42

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 145.199+/-0.047 χ^2/NDF: 5816179.4/19

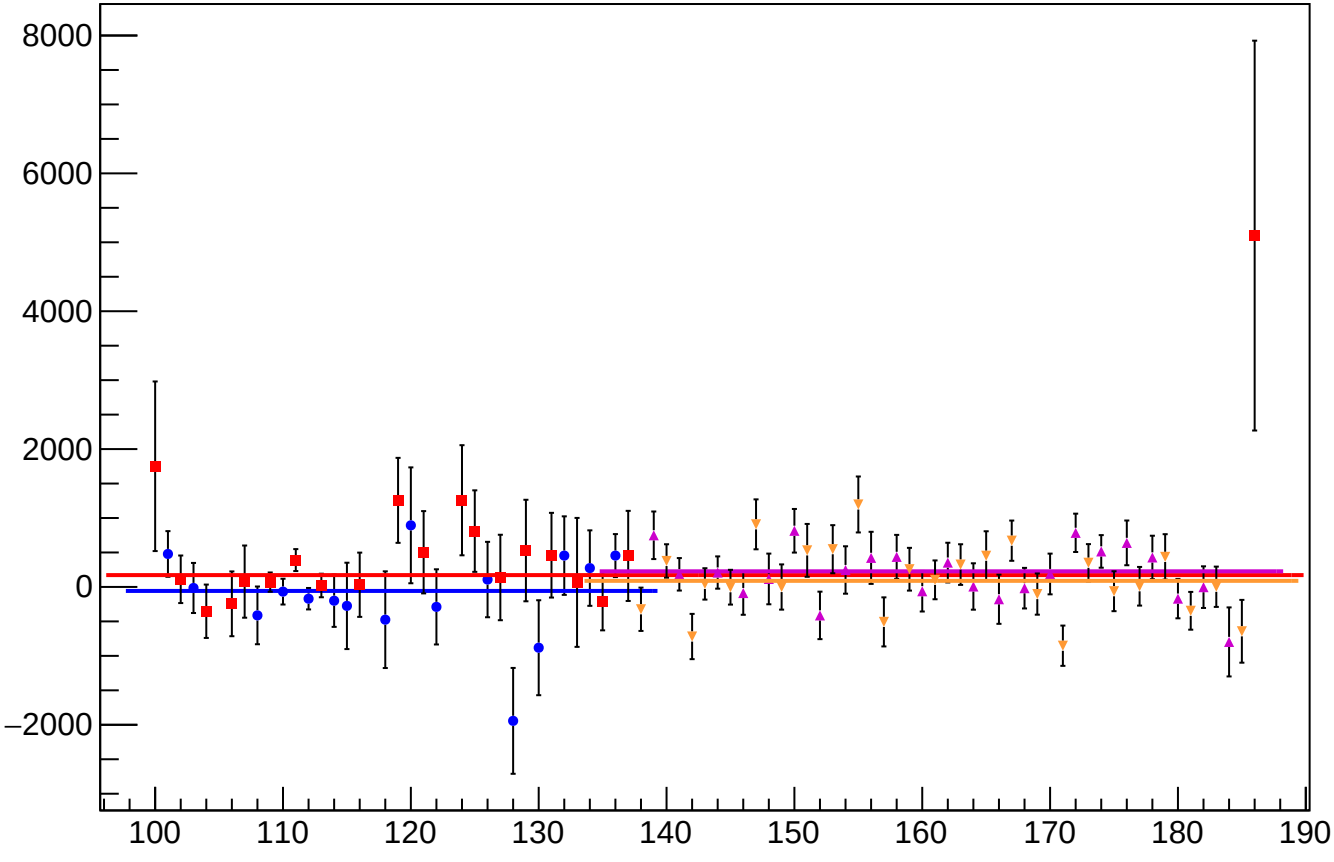
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 232.593+/-0.034 χ^2/NDF: 7017463.2/40

All: 221.092+/-0.024 χ^2/NDF: 17576745.3/83

- sign 210.710+/-0.033 χ^2/NDF: 10345877.6/42

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 171.749+/-74.572 χ^2/NDF: 18.5/19

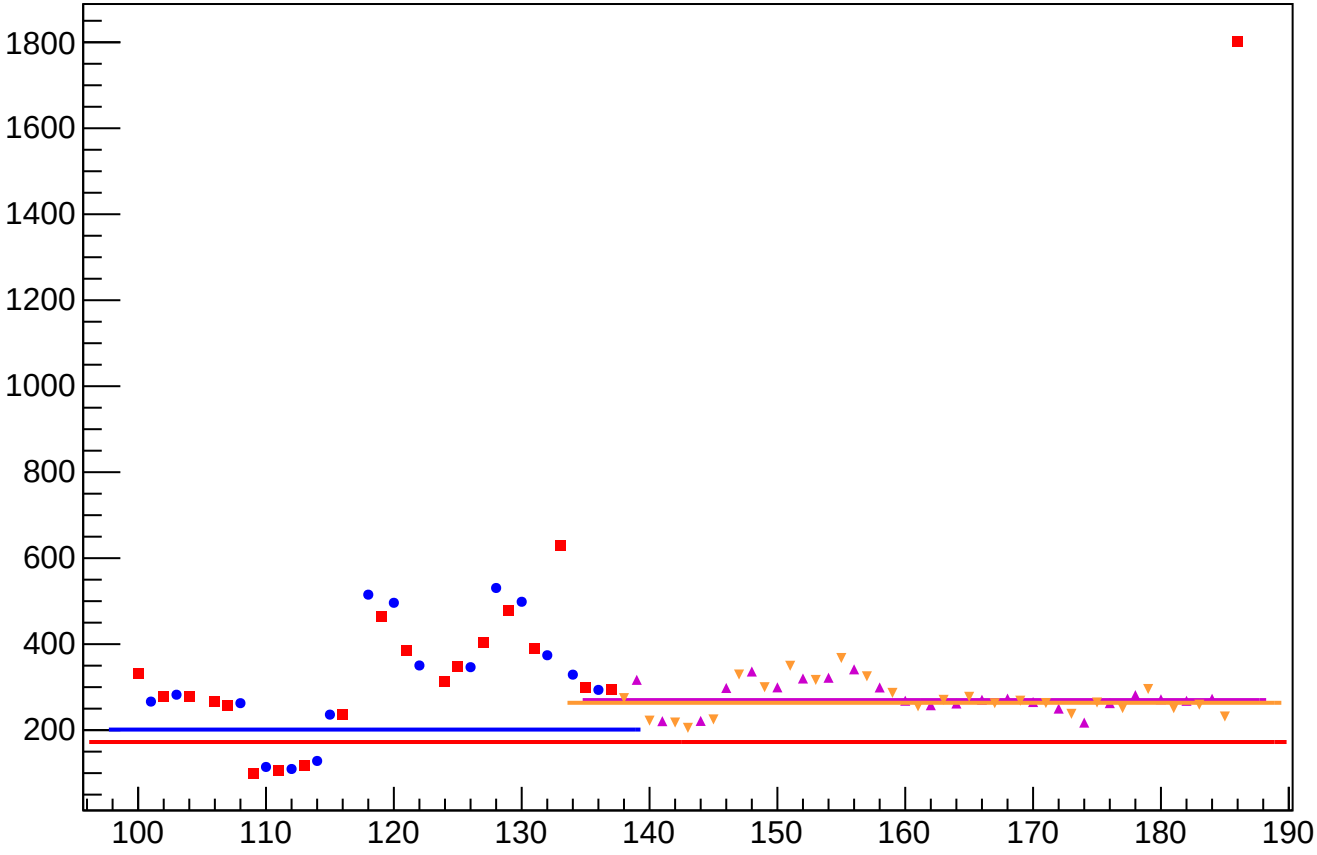
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 40.430+/-49.742 χ^2/NDF: 71.5/40

All: 124.217+/-34.698 χ^2/NDF: 124.7/83

- sign 203.625+/-48.425 χ^2/NDF: 47.7/42

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

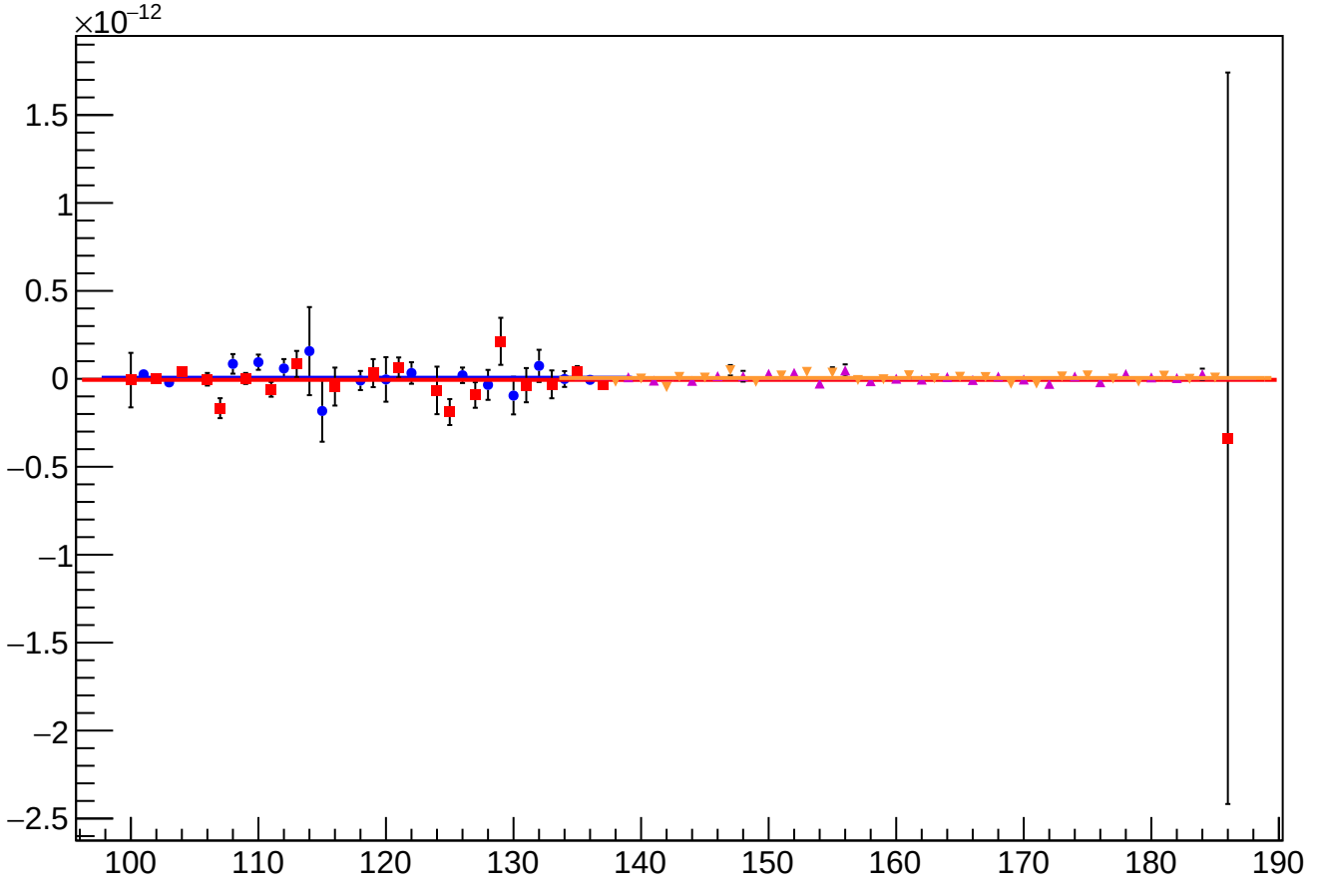
Right Out: 172.385+/-0.053 χ^2/NDF: 4856933.5/19

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 243.179+/-0.035 χ^2/NDF: 5043078.8/40

All: 235.786+/-0.025 χ^2/NDF: 12566046.0/83

- sign 228.779+/-0.034 χ^2/NDF: 7436910.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/19

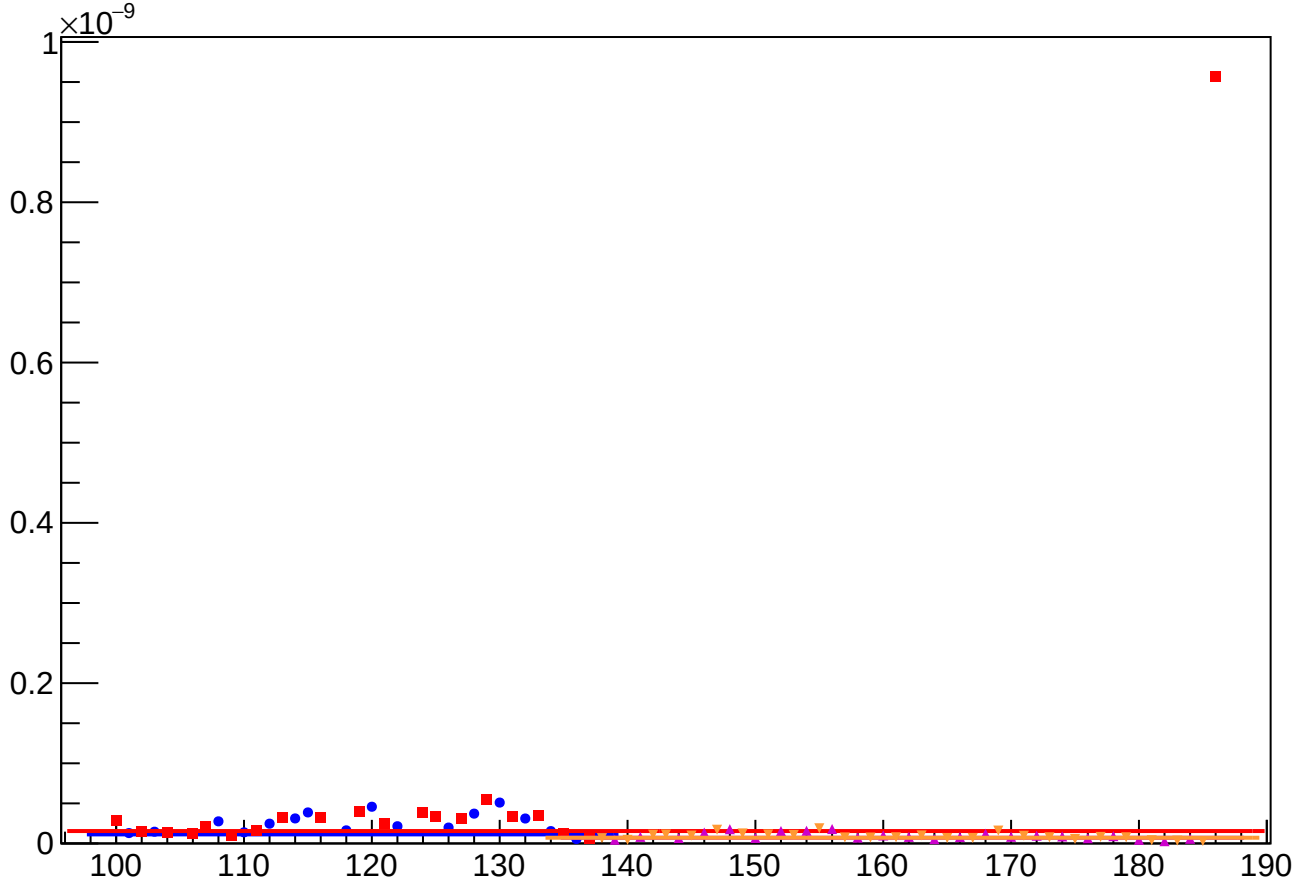
Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.7/40

All: 0.000+/-0.000 χ^2/NDF: 94.9/83

- 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: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

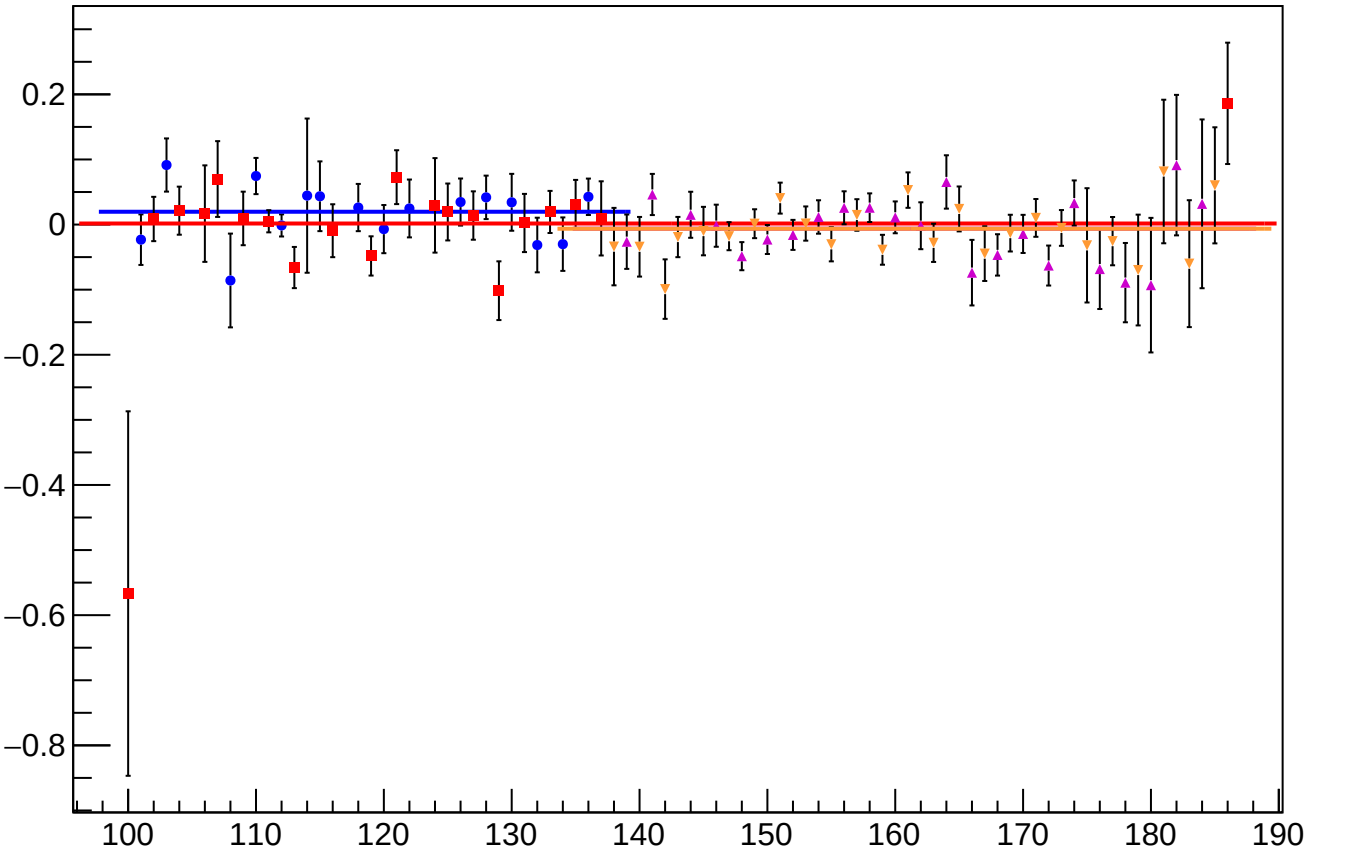
Right Out: 0.000+/-0.000 χ^2/NDF: 1852017.5/19

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

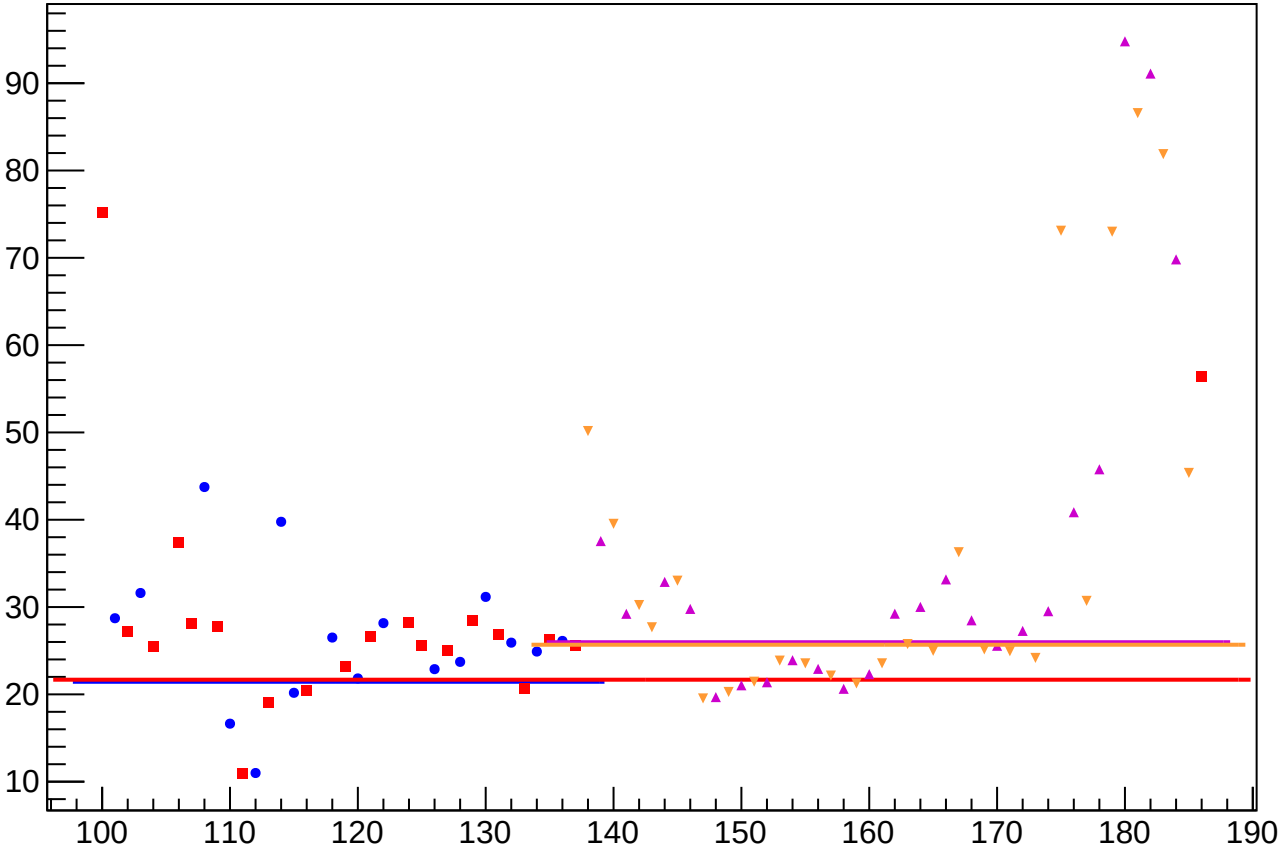
+ sign 0.000+/-0.000 χ^2/NDF: 4188878.3/40

All: 0.000+/-0.000 χ^2/NDF: 9339020.1/83

- sign 0.000+/-0.000 χ^2/NDF: 5146299.9/42


asym_sam8_dit_vs_cor_diff_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.020+/-0.009 χ²/NDF: 17.0/15
Left Out: -0.006+/-0.006 χ²/NDF:22.6/24
Right Out: 0.002+/-0.008 χ²/NDF: 26.8/19
Left In: -0.006+/-0.007 χ²/NDF:28.4/22
+ sign 0.003+/-0.005 χ²/NDF: 45.4/40
All: -0.000+/-0.004 χ²/NDF: 101.9/83
- sign -0.003+/-0.005 χ²/NDF: 55.8/42

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

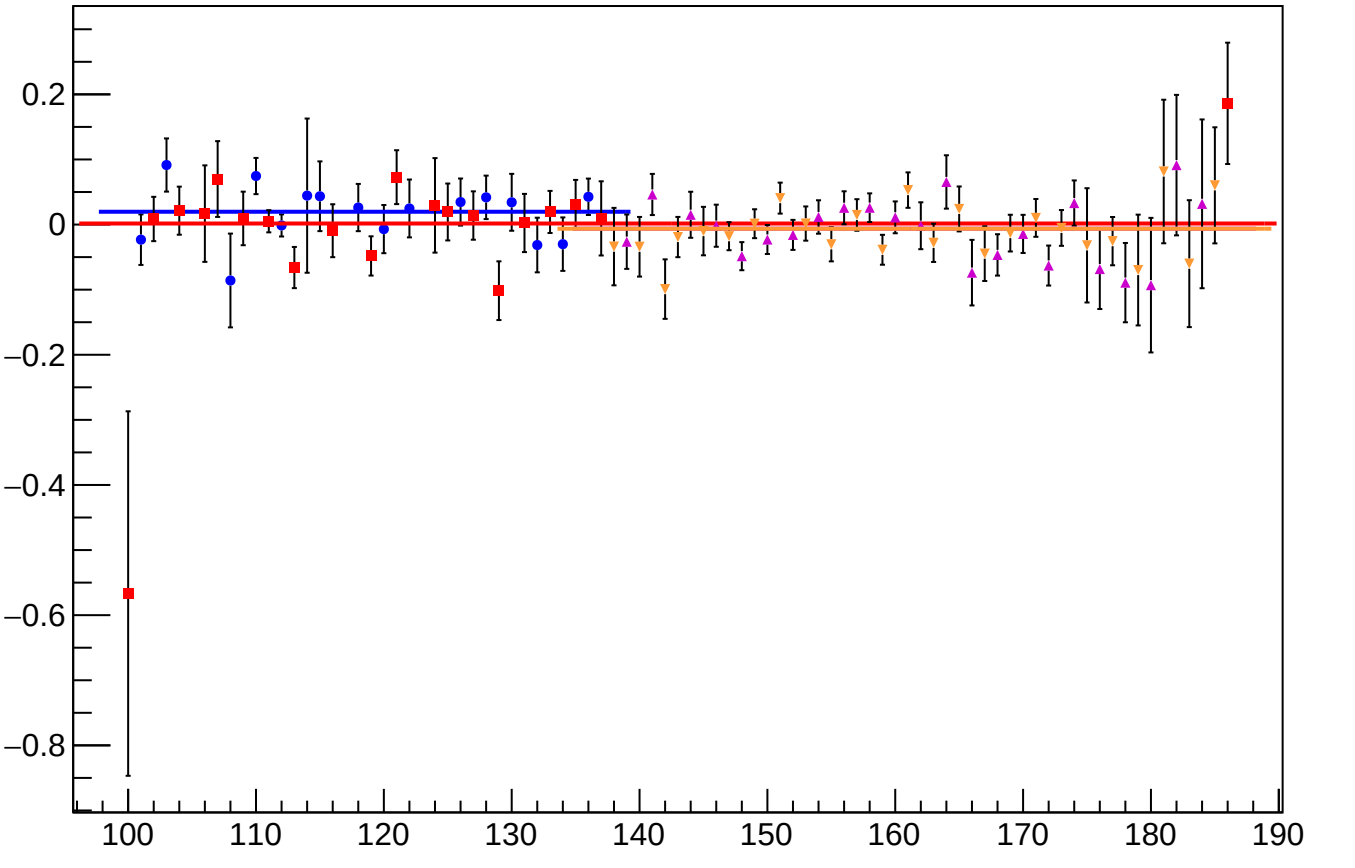
Right Out: 21.678+/-0.006 χ^2/NDF: 1591146.4/19

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.194+/-0.004 χ^2/NDF: 5721534.0/40

All: 24.267+/-0.003 χ^2/NDF: 10750551.0/83

- sign 24.342+/-0.004 χ^2/NDF: 5028201.5/42



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.002+/-0.008 χ^2/NDF: 26.8/19

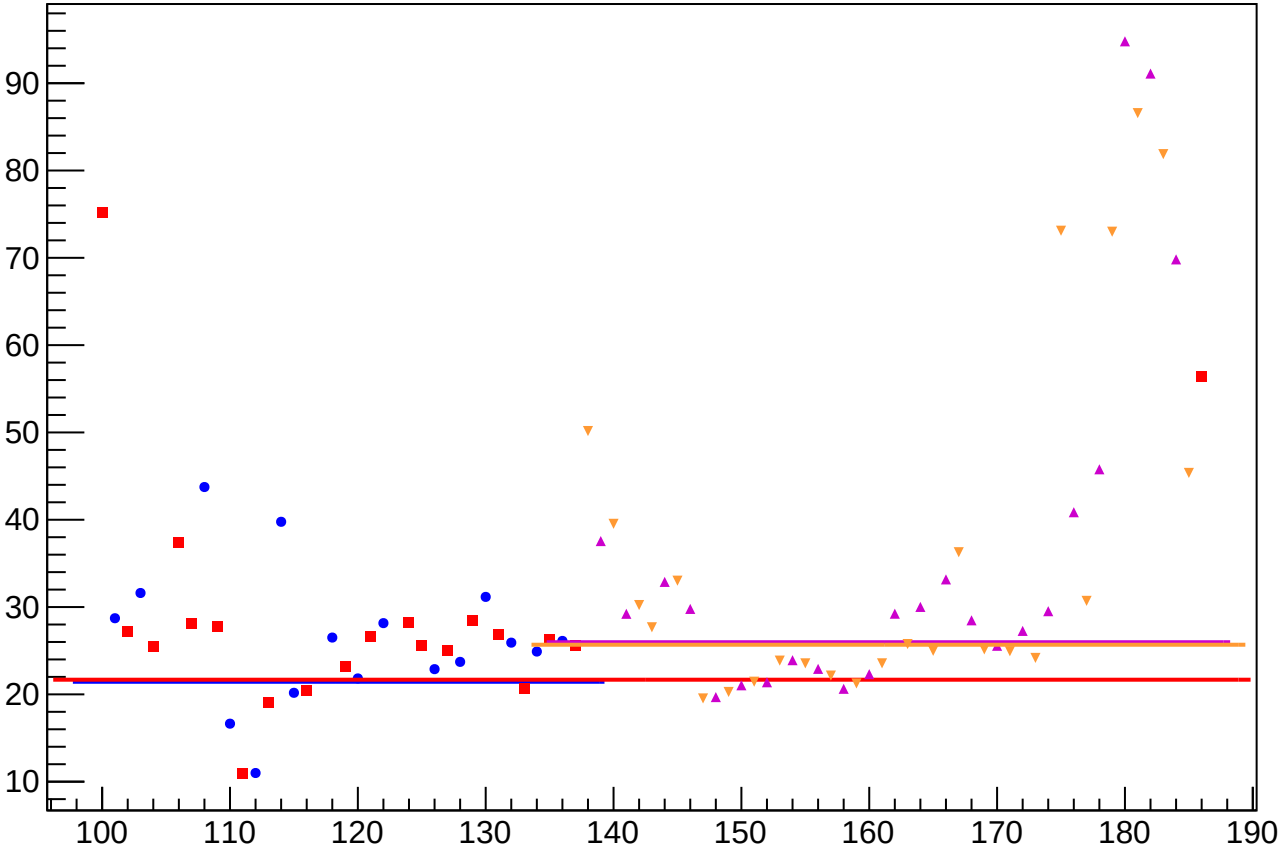
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 45.4/40

All: -0.000+/-0.004 χ^2/NDF: 101.9/83

- sign -0.003+/-0.005 χ^2/NDF: 55.8/42

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 21.678+/-0.006 χ^2/NDF: 1591146.4/19

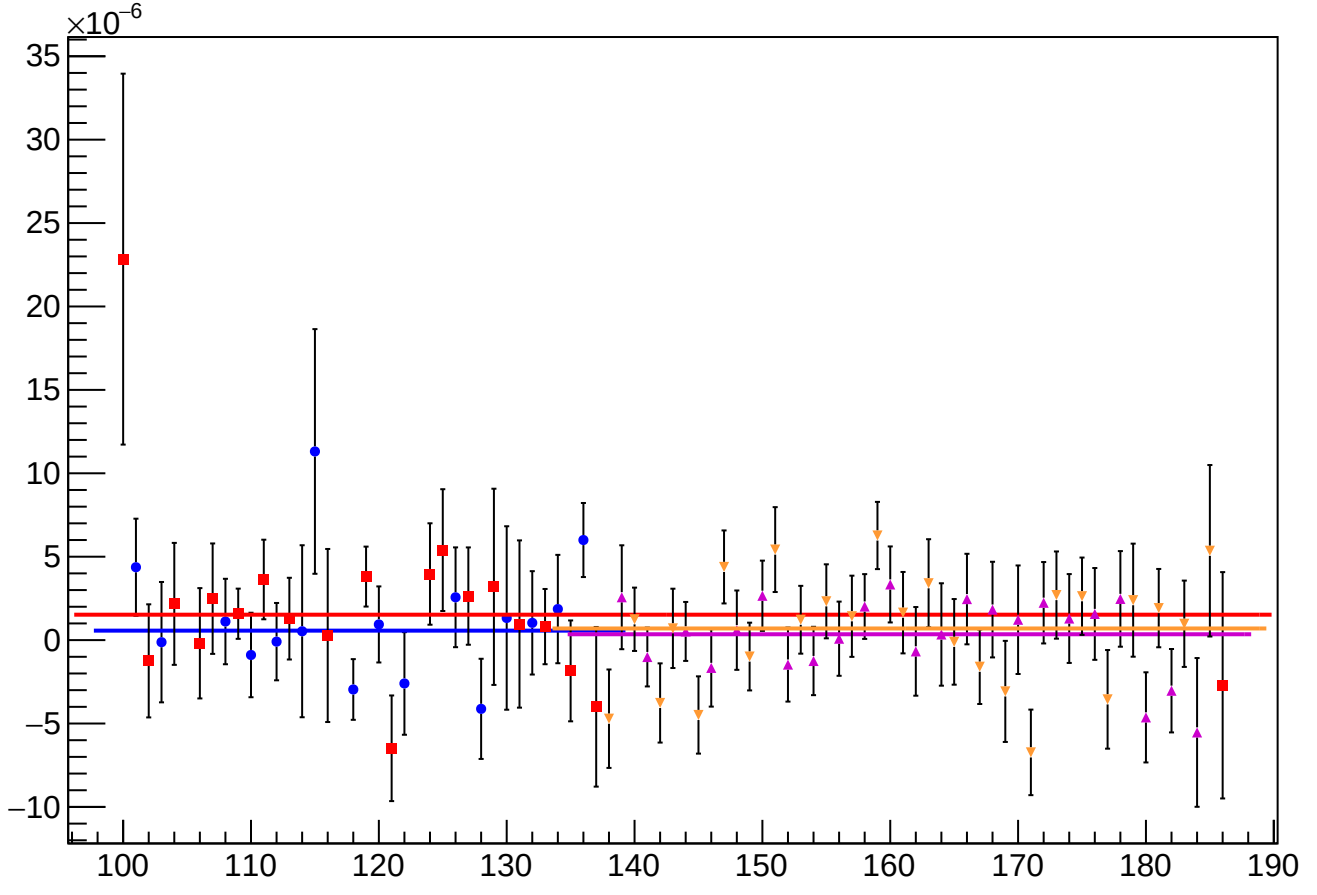
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.194+/-0.004 χ^2/NDF: 5721534.0/40

All: 24.267+/-0.003 χ^2/NDF: 10750551.0/83

- 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: 18.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/19

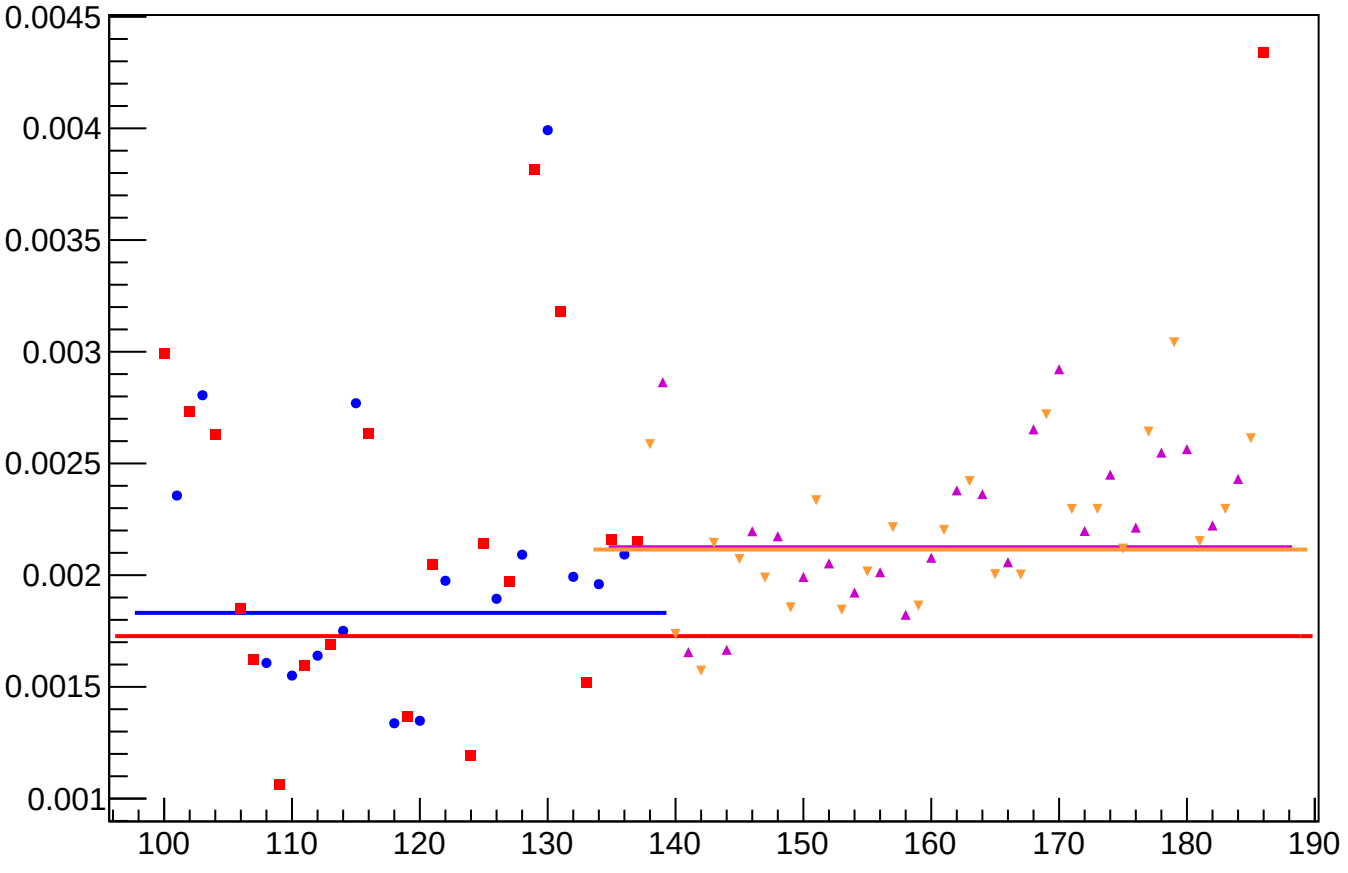
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.6/40

All: 0.000+/-0.000 χ^2/NDF: 99.7/83

- 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: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 1777137.9/19

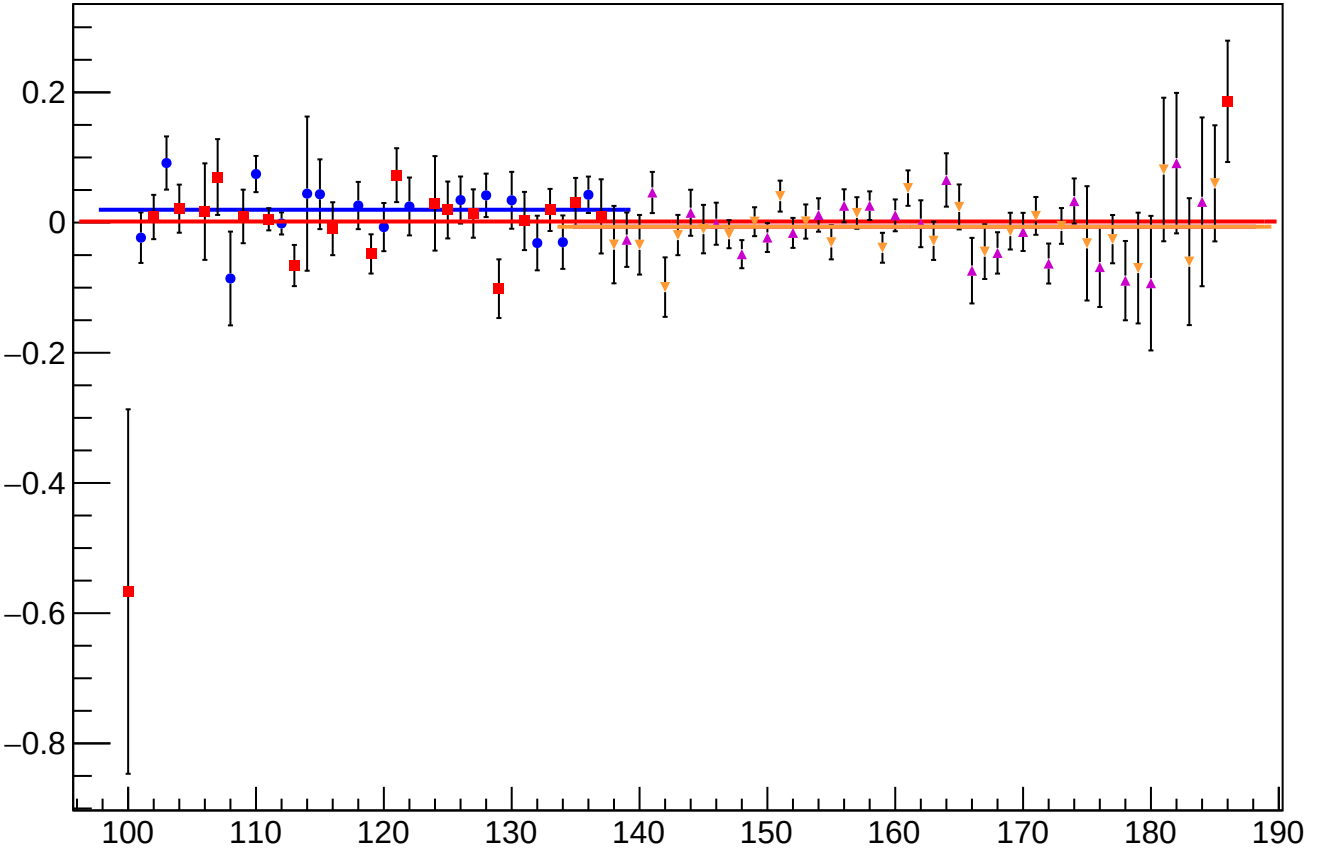
Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 1862423.3/40

All: 0.002+/-0.000 χ^2/NDF: 4953497.5/83

- sign 0.002+/-0.000 χ^2/NDF: 3077839.1/42

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.002+/-0.008 χ^2/NDF: 26.8/19

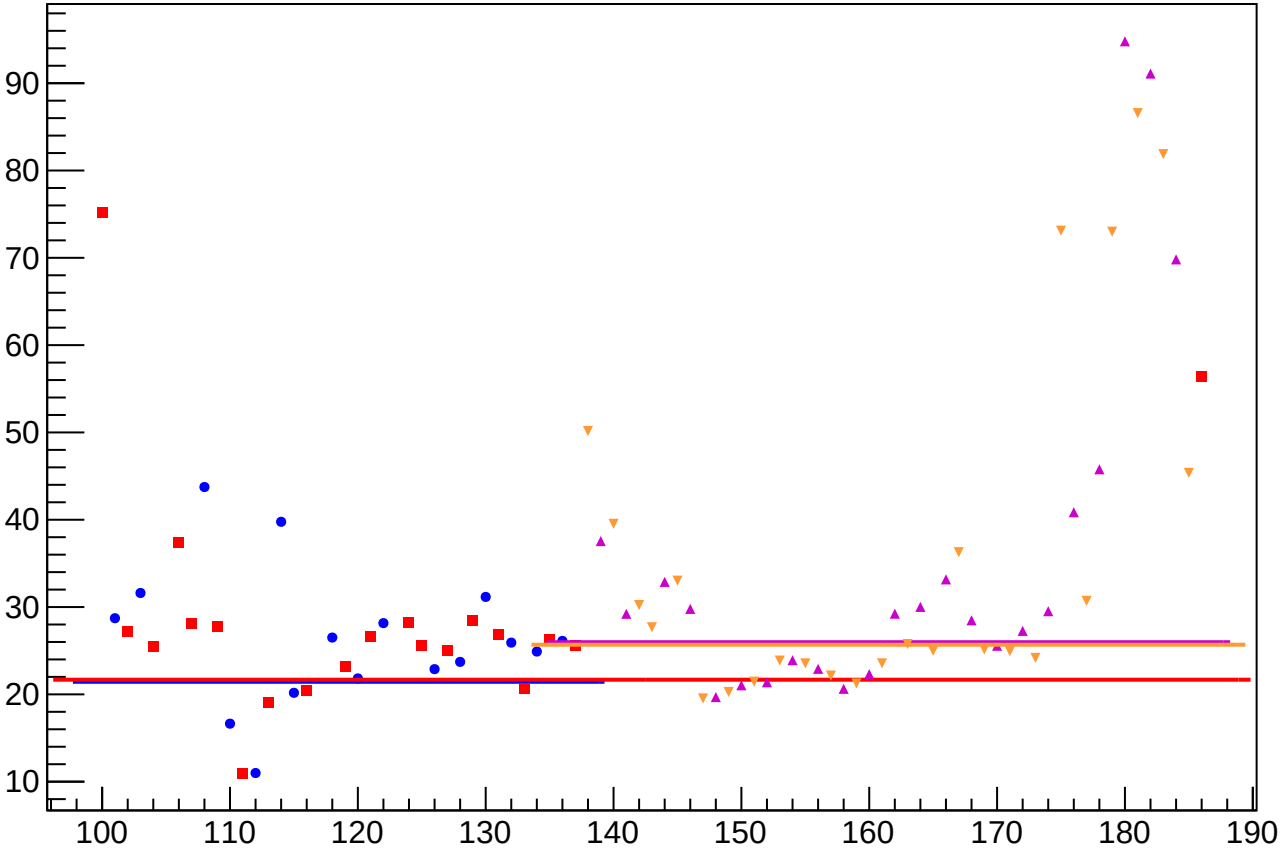
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 45.4/40

All: -0.000+/-0.004 χ^2/NDF: 101.9/83

- sign -0.003+/-0.005 χ^2/NDF: 55.8/42

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

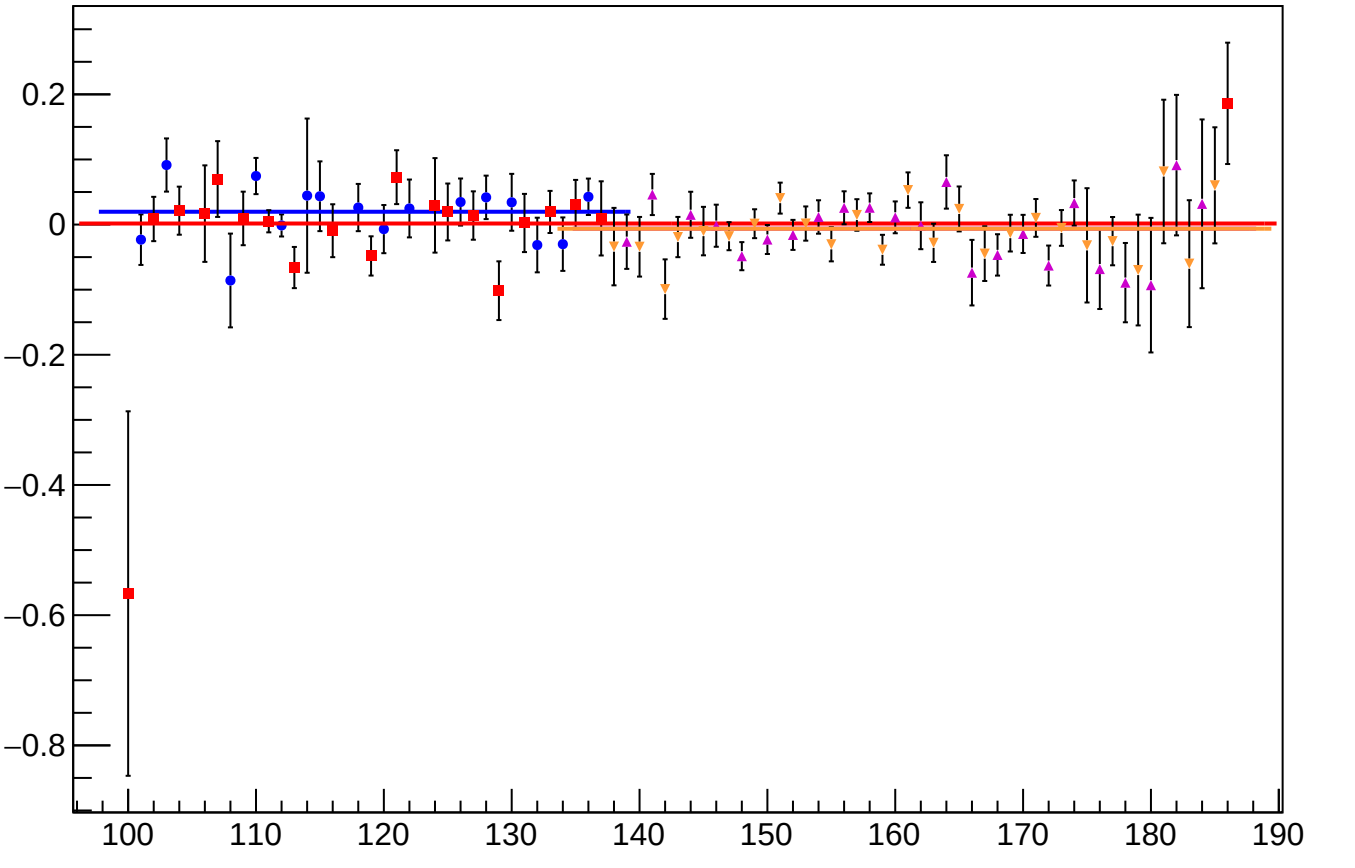
Right Out: 21.678+/-0.006 χ^2/NDF: 1591280.5/19

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.194+/-0.004 χ^2/NDF: 5721805.4/40

All: 24.267+/-0.003 χ^2/NDF: 10751063.5/83

- sign 24.342+/-0.004 χ^2/NDF: 5028442.6/42



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

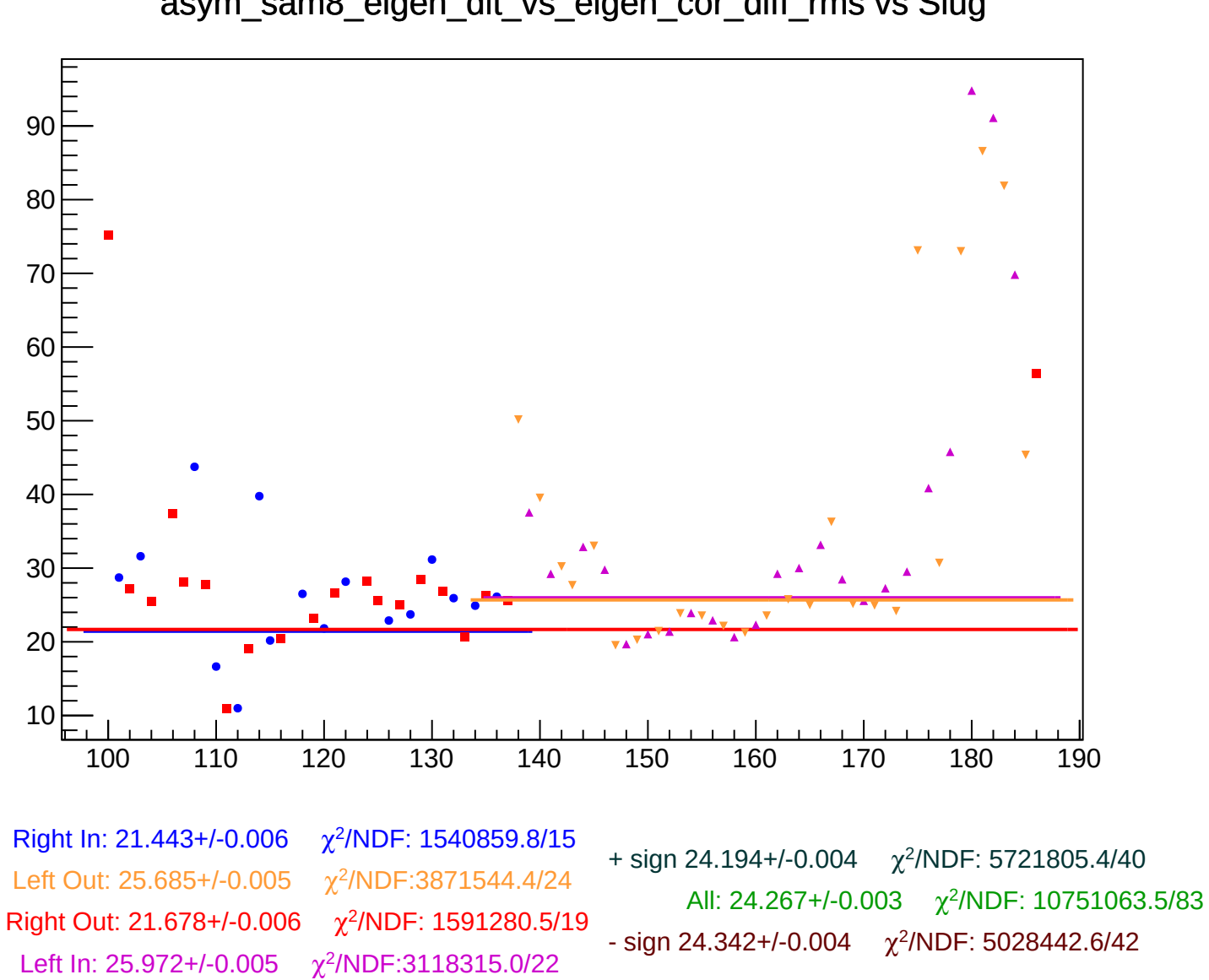
Right Out: 0.002+/-0.008 χ^2/NDF: 26.8/19

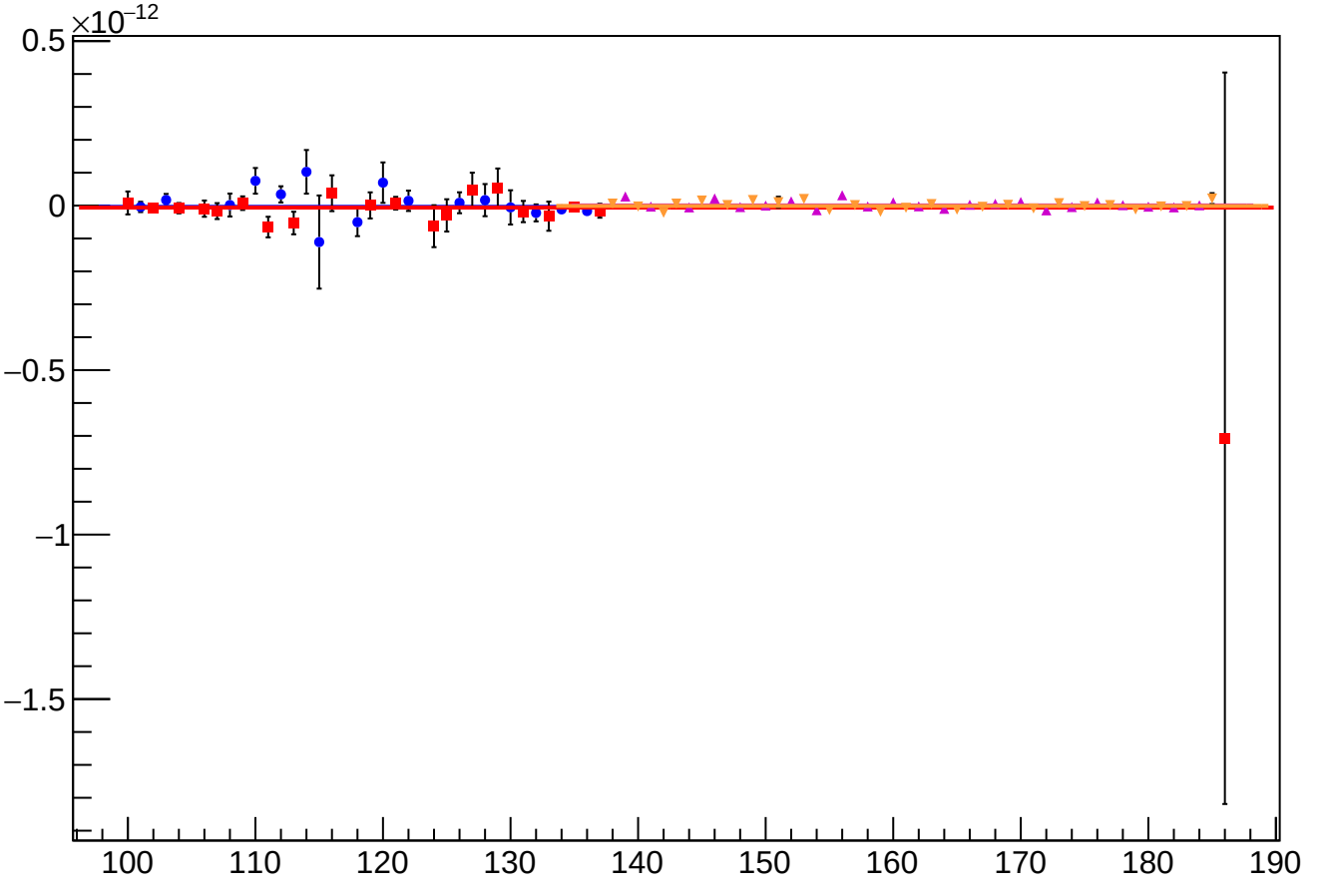
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 45.4/40

All: -0.000+/-0.004 χ^2/NDF: 101.9/83

- sign -0.003+/-0.005 χ^2/NDF: 55.8/42


asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
190
Right In: 21.443+/-0.006 χ²/NDF: 1540859.8/15
Left Out: 25.685+/-0.005 χ²/NDF:3871544.4/24
Right Out: 21.678+/-0.006 χ²/NDF: 1591280.5/19
Left In: 25.972+/-0.005 χ²/NDF:3118315.0/22
+ sign 24.194+/-0.004 χ²/NDF: 5721805.4/40
All: 24.267+/-0.003 χ²/NDF: 10751063.5/83
- sign 24.342+/-0.004 χ²/NDF: 5028442.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

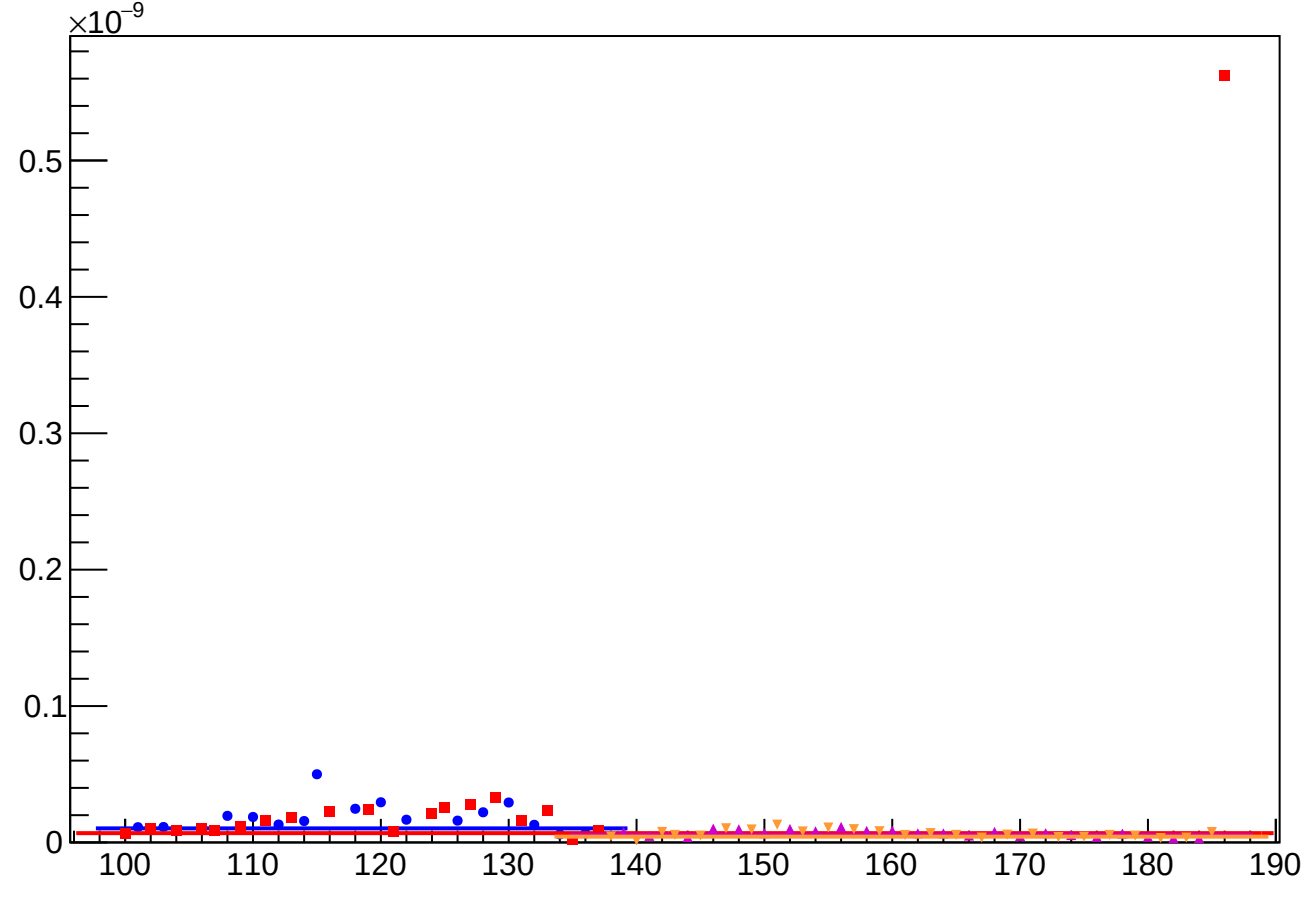
Right Out: -0.000+/-0.000 χ^2/NDF: 11.7/19

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.2/40

All: -0.000+/-0.000 χ^2/NDF: 89.7/83

- sign -0.000+/-0.000 χ^2/NDF: 43.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4521266.1/19

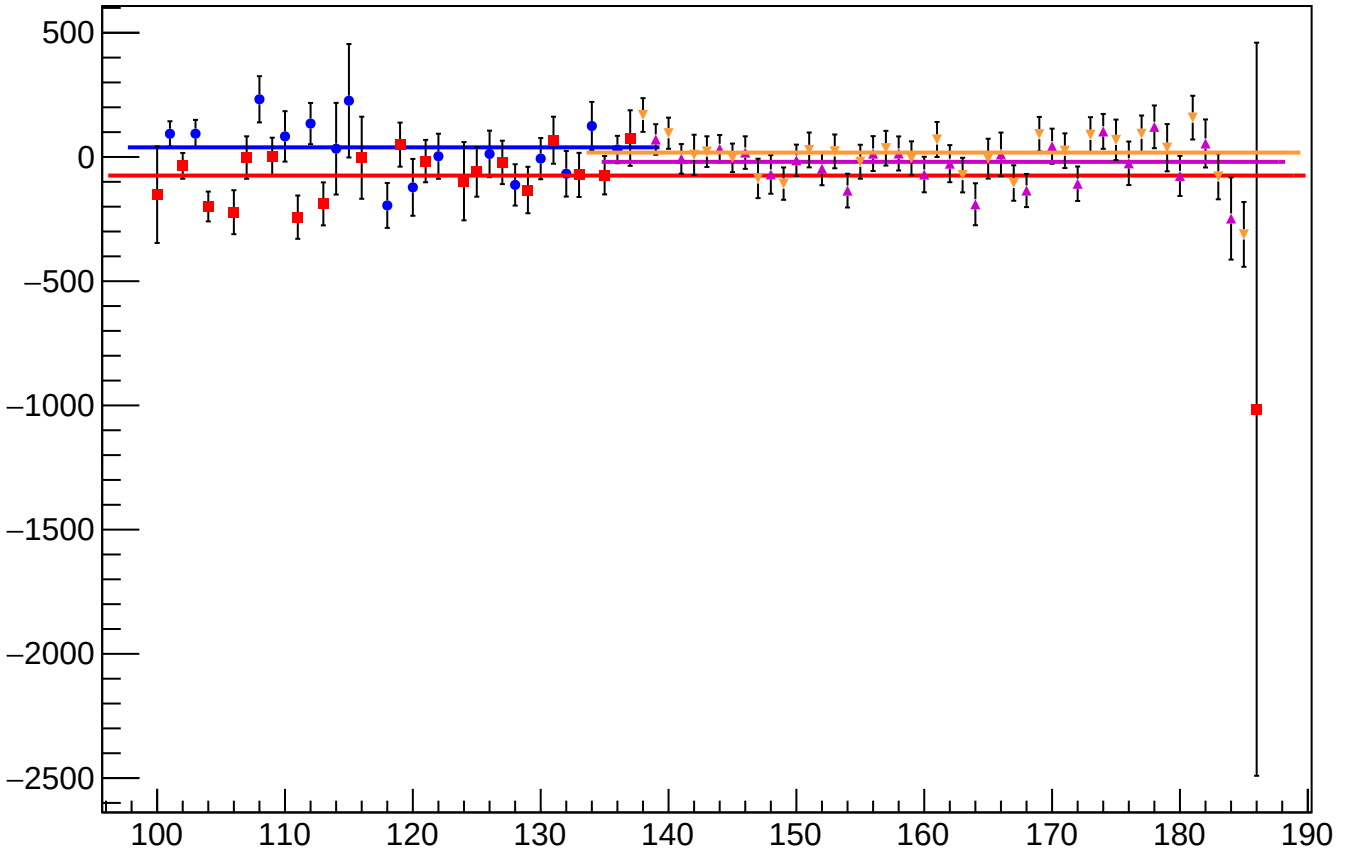
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9637230.2/40

All: 0.000+/-0.000 χ^2/NDF: 17621347.9/83

- sign 0.000+/-0.000 χ^2/NDF: 7506829.4/42

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -74.748+/-19.800 χ^2/NDF: 22.9/19

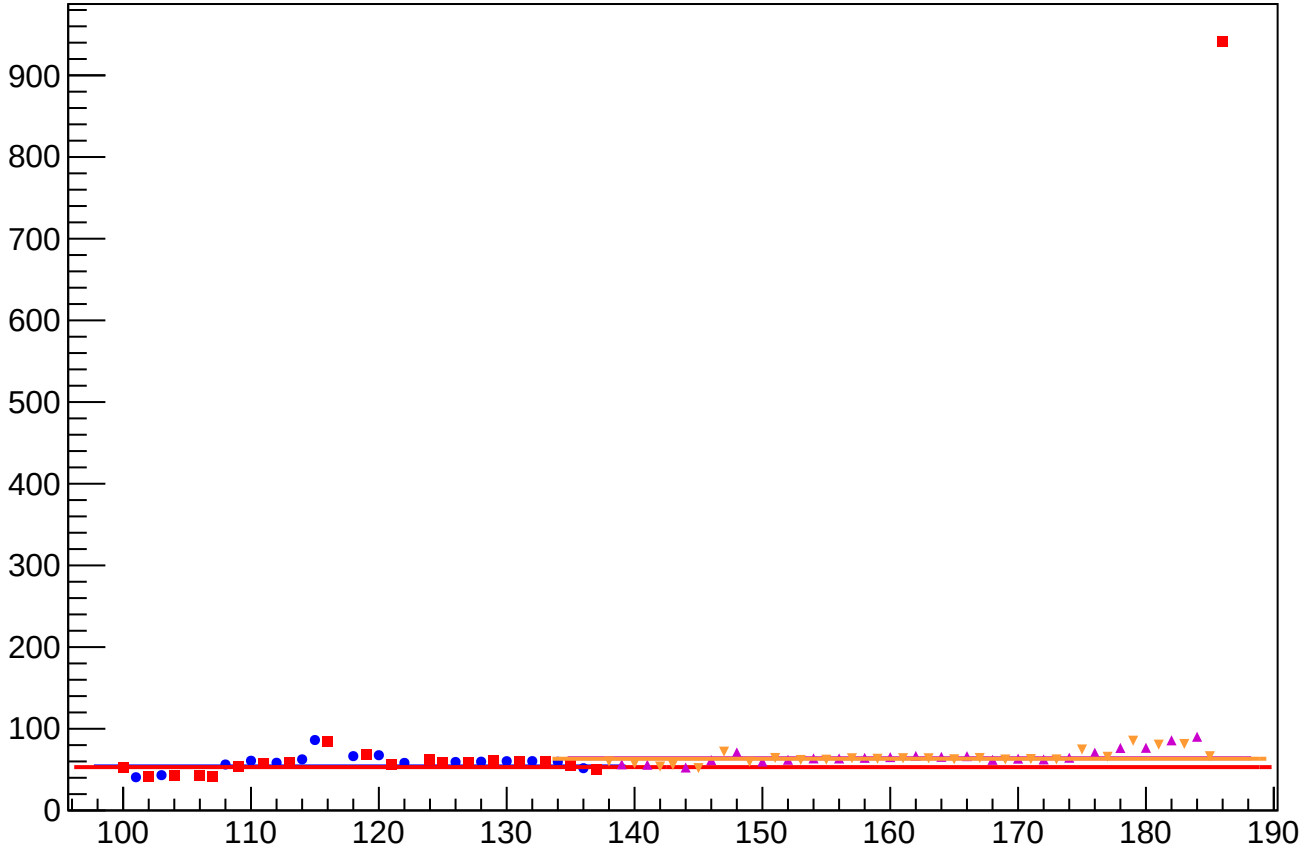
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.834+/-11.819 χ^2/NDF: 55.6/40

All: -7.056+/-8.412 χ^2/NDF: 124.3/83

- sign -39.805+/-11.977 χ^2/NDF: 54.0/42

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 53.049+/-0.014 χ^2/NDF: 1150012.4/19

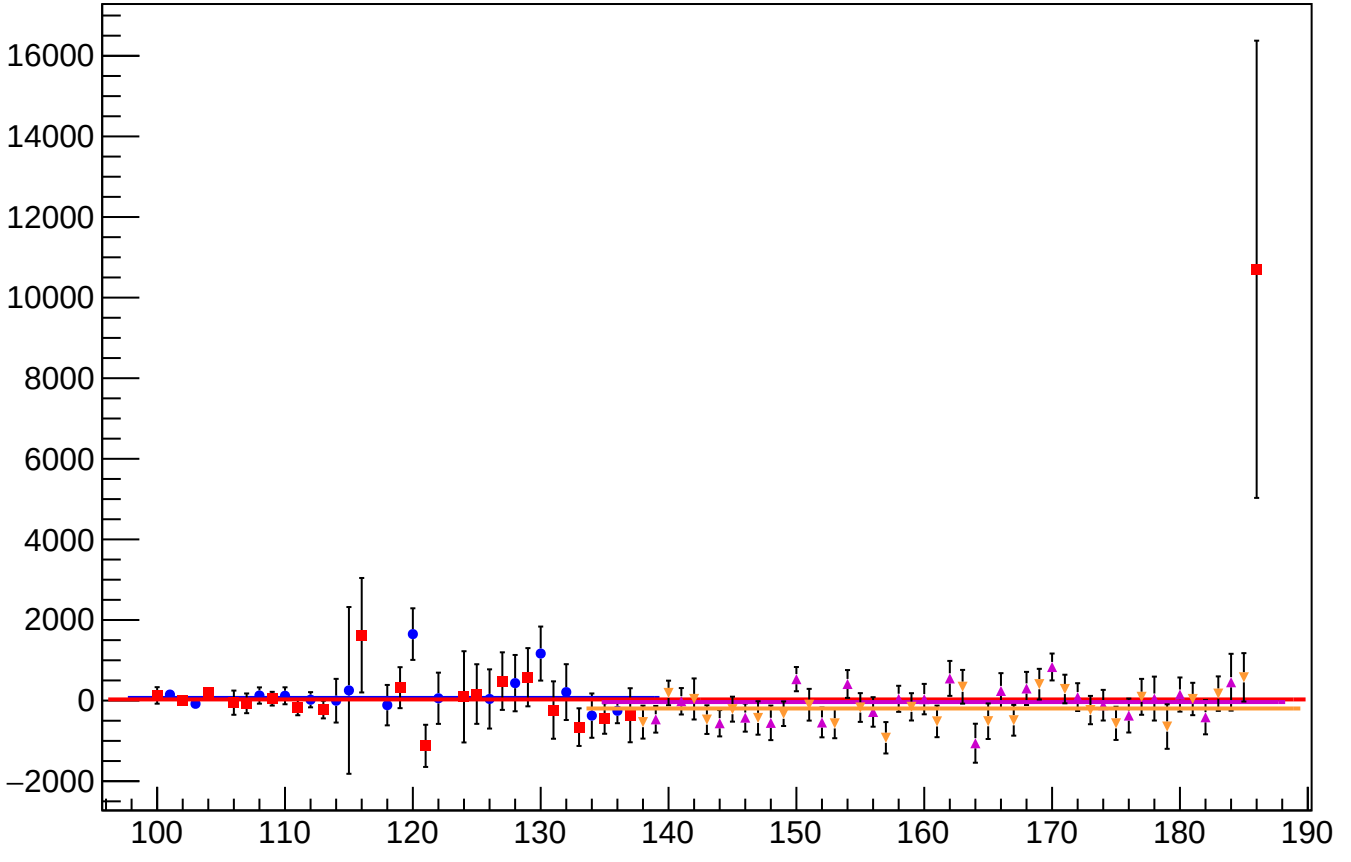
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.161+/-0.008 χ^2/NDF: 1172642.3/40

All: 60.053+/-0.006 χ^2/NDF: 3150491.4/83

- sign 59.941+/-0.008 χ^2/NDF: 1977506.9/42

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 28.689+/-50.289 χ^2/NDF: 21.5/19

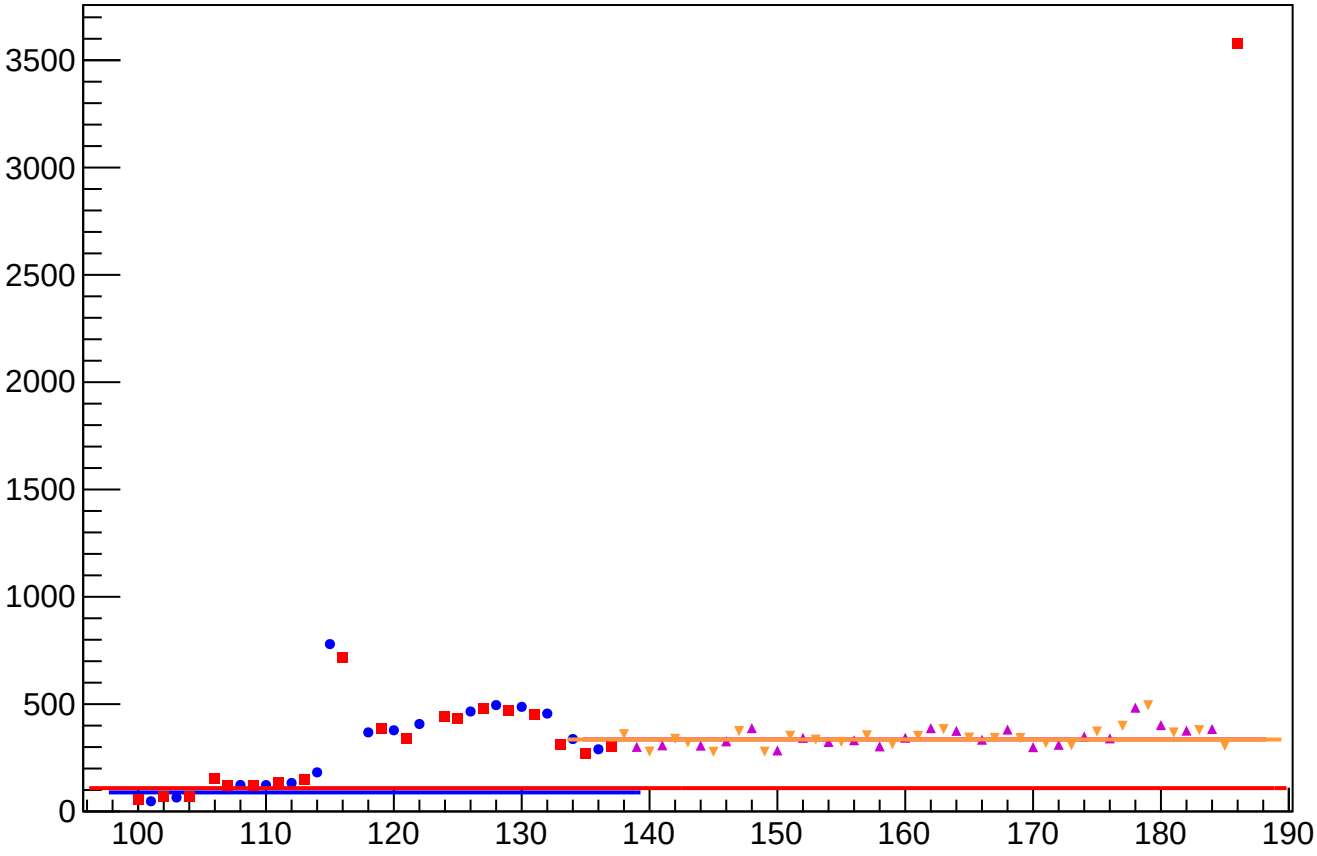
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

\+ sign -3.944+/-39.803 χ^2/NDF: 44.8/40

All: 2.572+/-29.038 χ^2/NDF: 97.9/83

\- sign 9.985+/-42.456 χ^2/NDF: 53.1/42

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 108.658+/-0.036 χ^2/NDF: 6110228.8/19

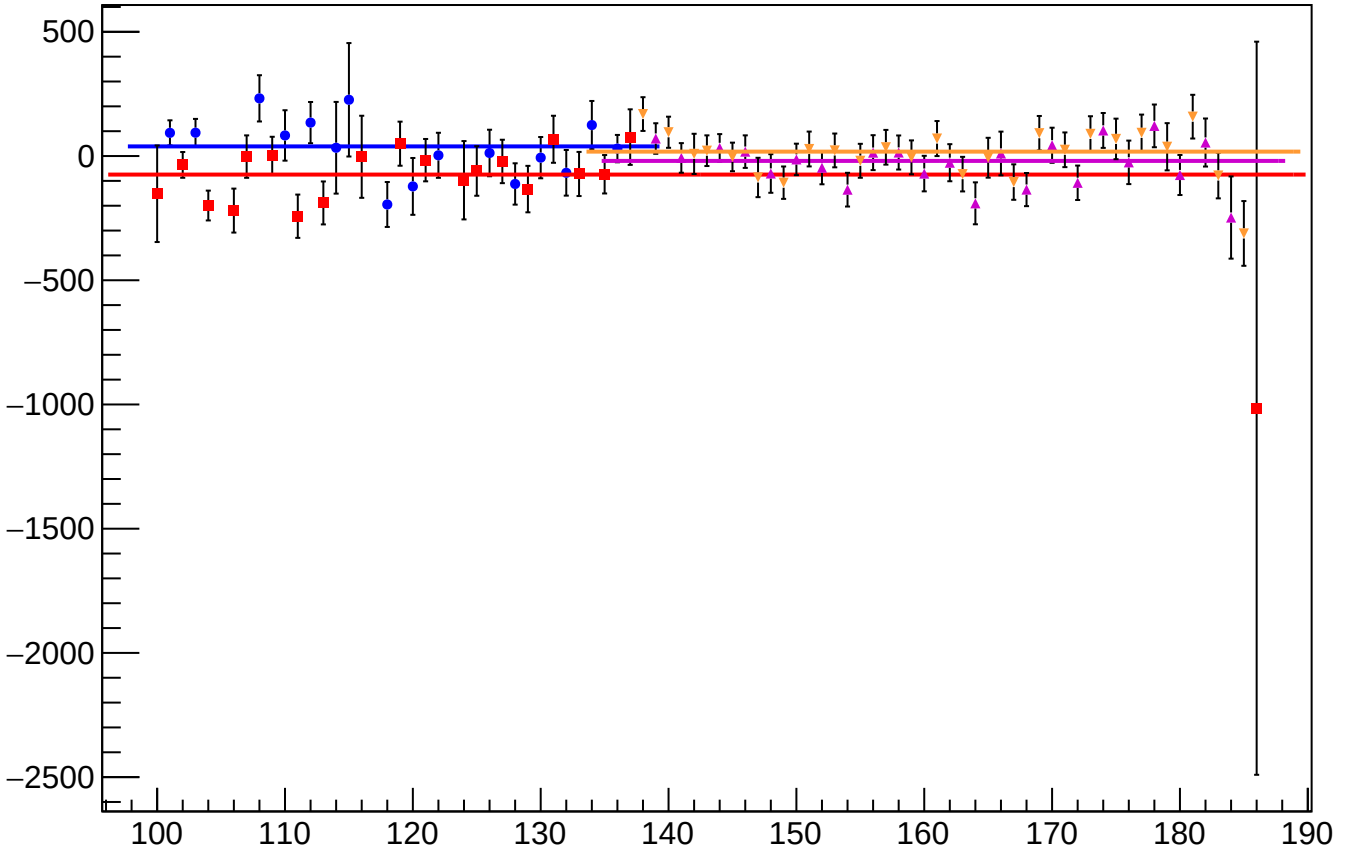
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 154.406+/-0.028 χ^2/NDF: 22223424.3/40

All: 163.494+/-0.021 χ^2/NDF: 40744968.8/83

- sign 173.833+/-0.030 χ^2/NDF: 18298668.4/42

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -74.612+/-19.801 χ^2/NDF: 22.8/19

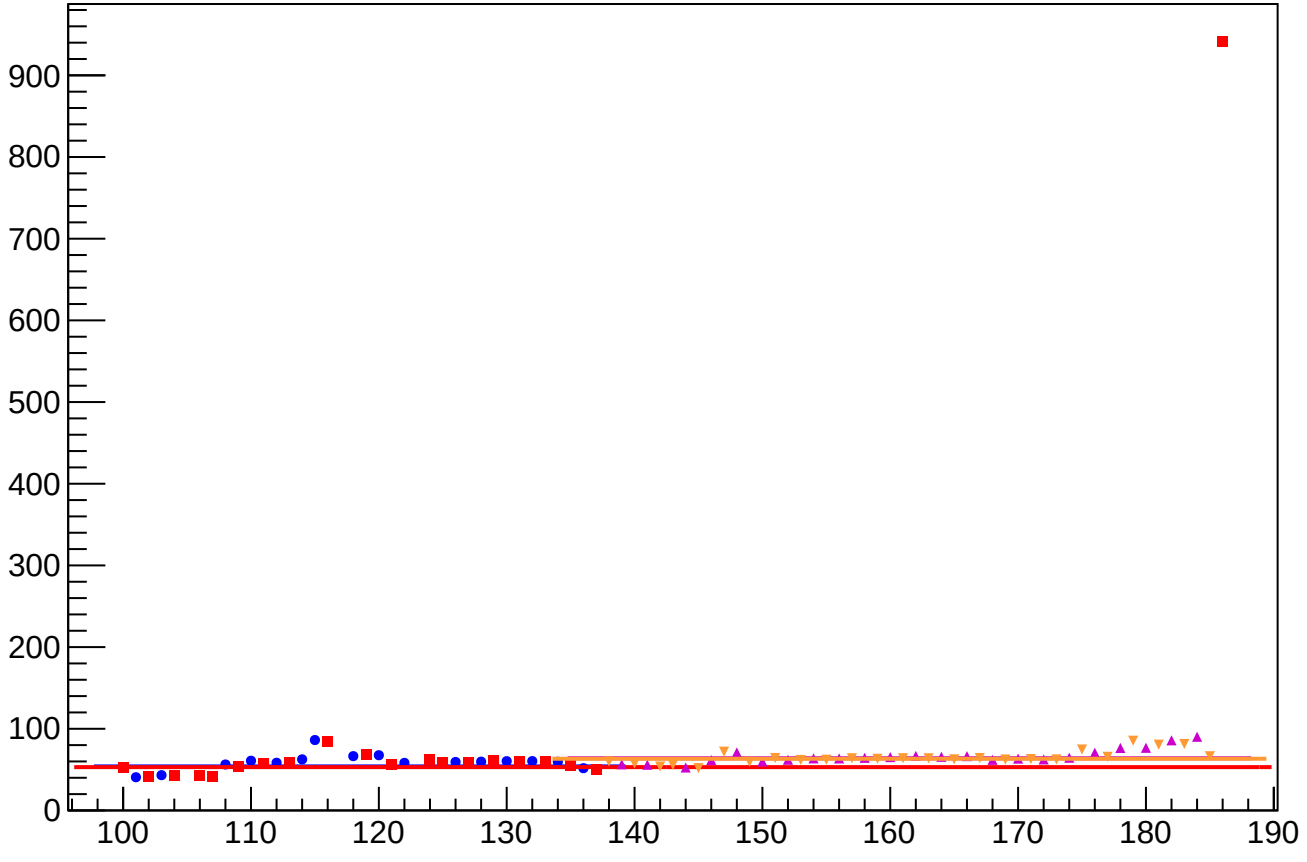
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.840+/-11.819 χ^2/NDF: 55.6/40

All: -7.026+/-8.412 χ^2/NDF: 124.2/83

- sign -39.753+/-11.977 χ^2/NDF: 53.9/42

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 53.047+/-0.014 χ^2/NDF: 1150323.7/19

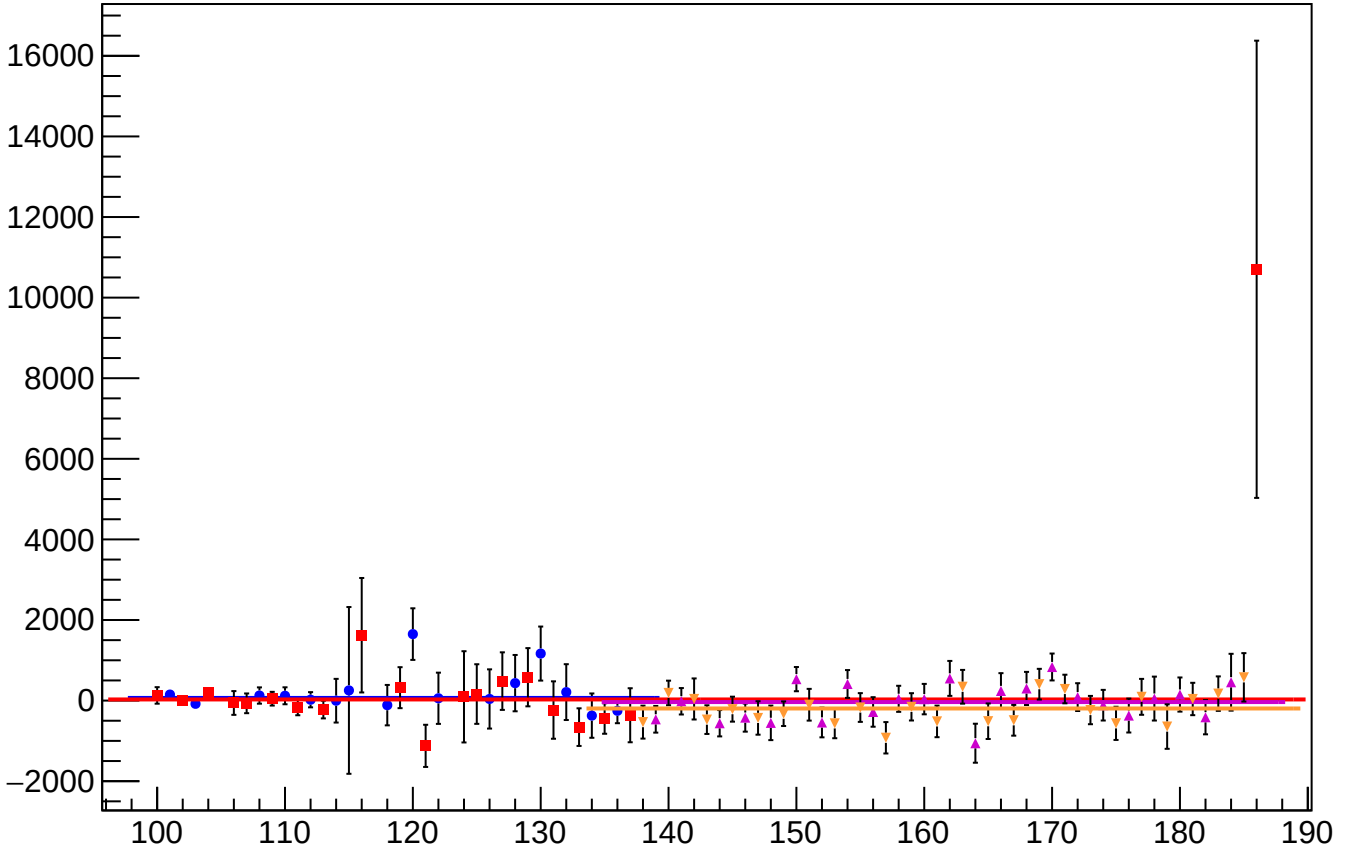
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.161+/-0.008 χ^2/NDF: 1172641.3/40

All: 60.053+/-0.006 χ^2/NDF: 3150925.1/83

- sign 59.941+/-0.008 χ^2/NDF: 1977940.1/42

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 28.243+/-50.247 χ^2/NDF: 21.5/19

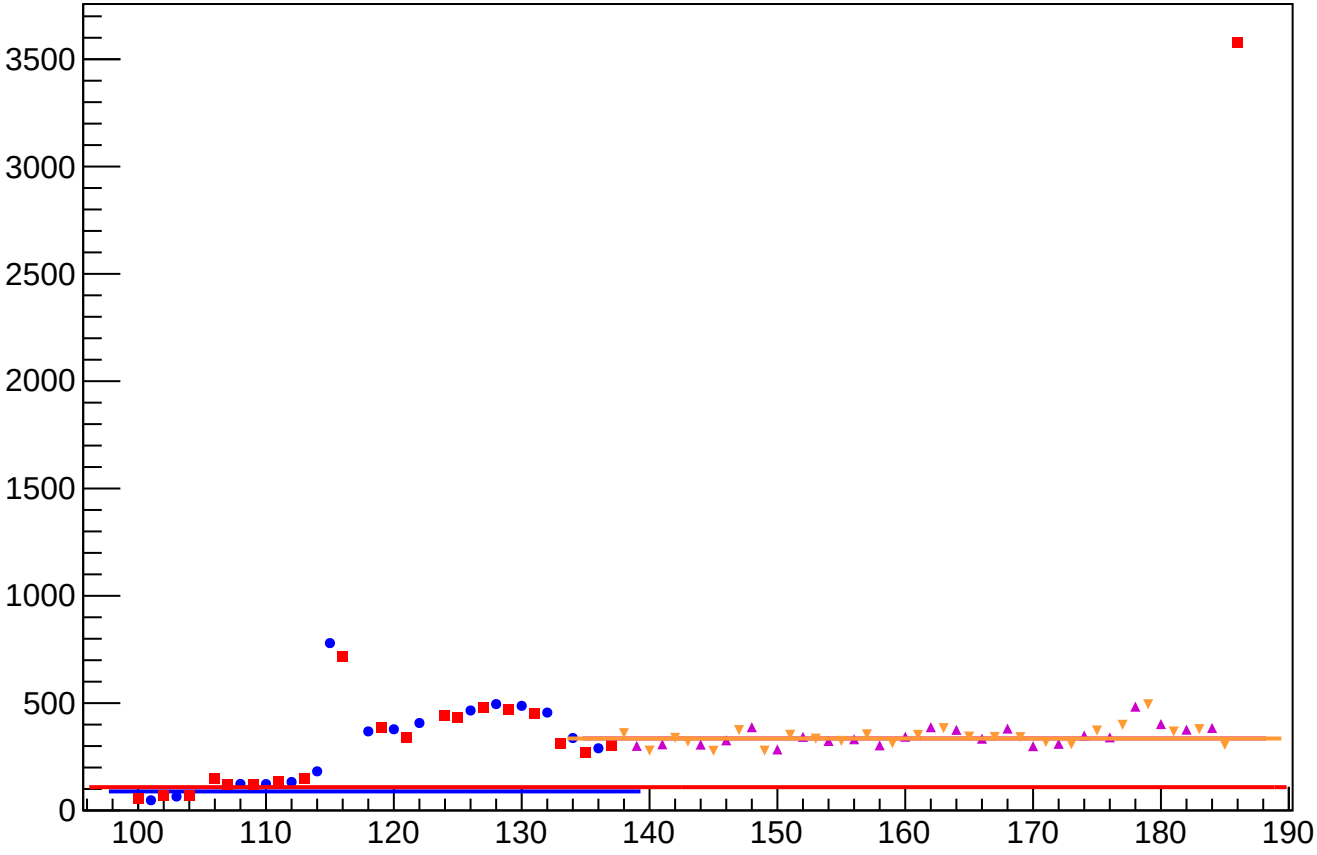
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -3.938+/-39.803 χ^2/NDF: 44.8/40

All: 2.442+/-29.029 χ^2/NDF: 97.9/83

- sign 9.691+/-42.430 χ^2/NDF: 53.1/42

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 108.479+/-0.036 χ^2/NDF: 6102328.7/19

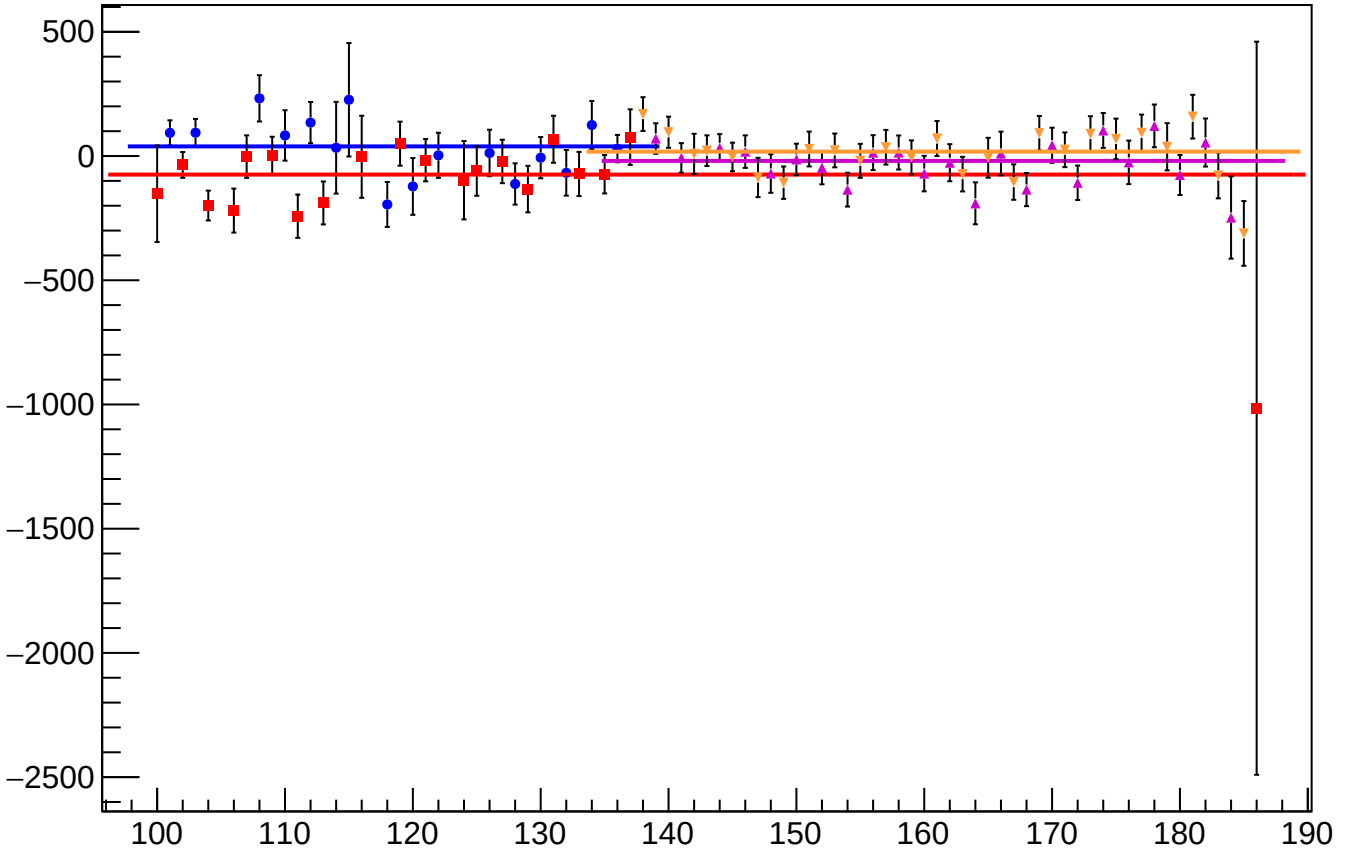
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 154.402+/-0.028 χ^2/NDF: 22223993.1/40

All: 163.401+/-0.021 χ^2/NDF: 40757334.9/83

- sign 173.626+/-0.030 χ^2/NDF: 18314947.9/42

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -74.612+/-19.801 χ^2/NDF: 22.8/19

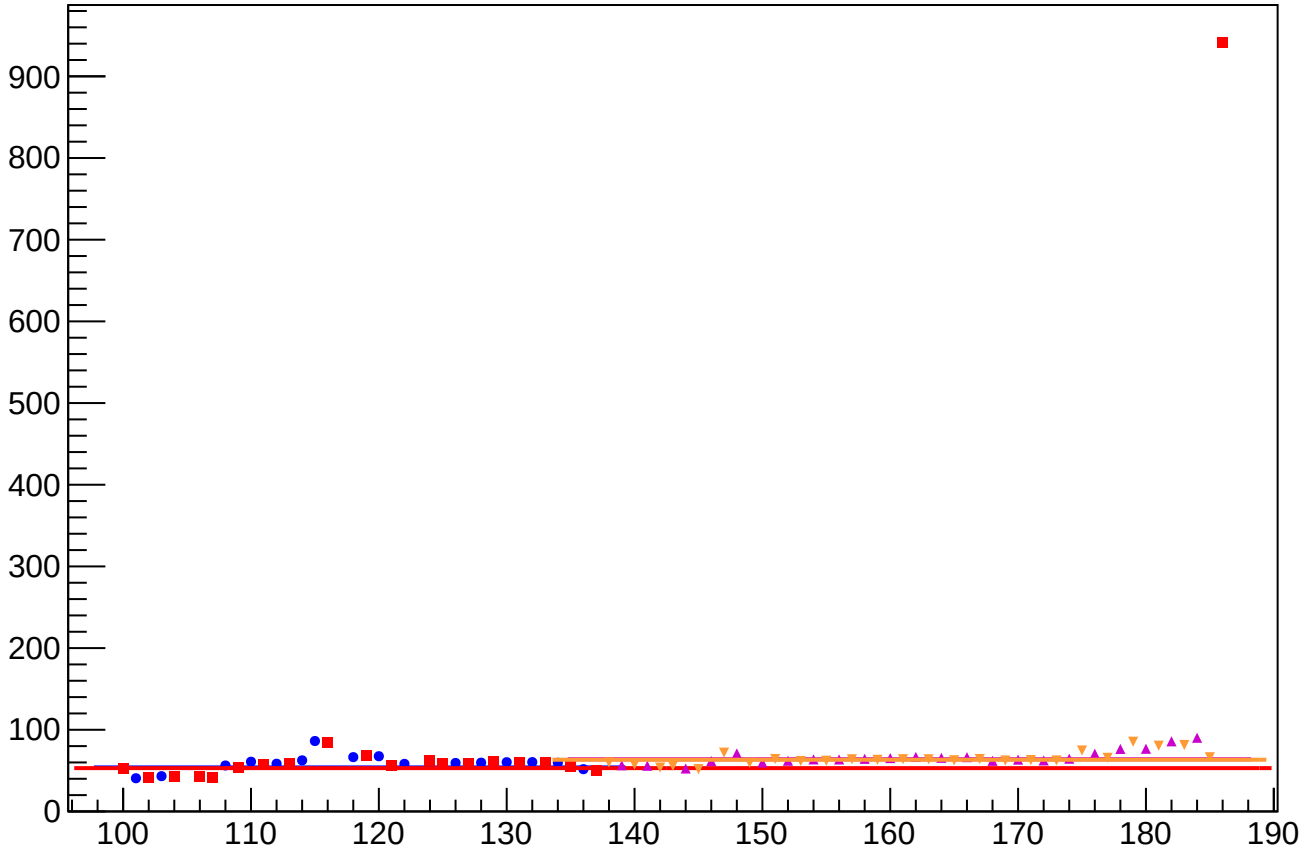
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.840+/-11.819 χ^2/NDF: 55.6/40

All: -7.026+/-8.412 χ^2/NDF: 124.2/83

- sign -39.753+/-11.977 χ^2/NDF: 53.9/42

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

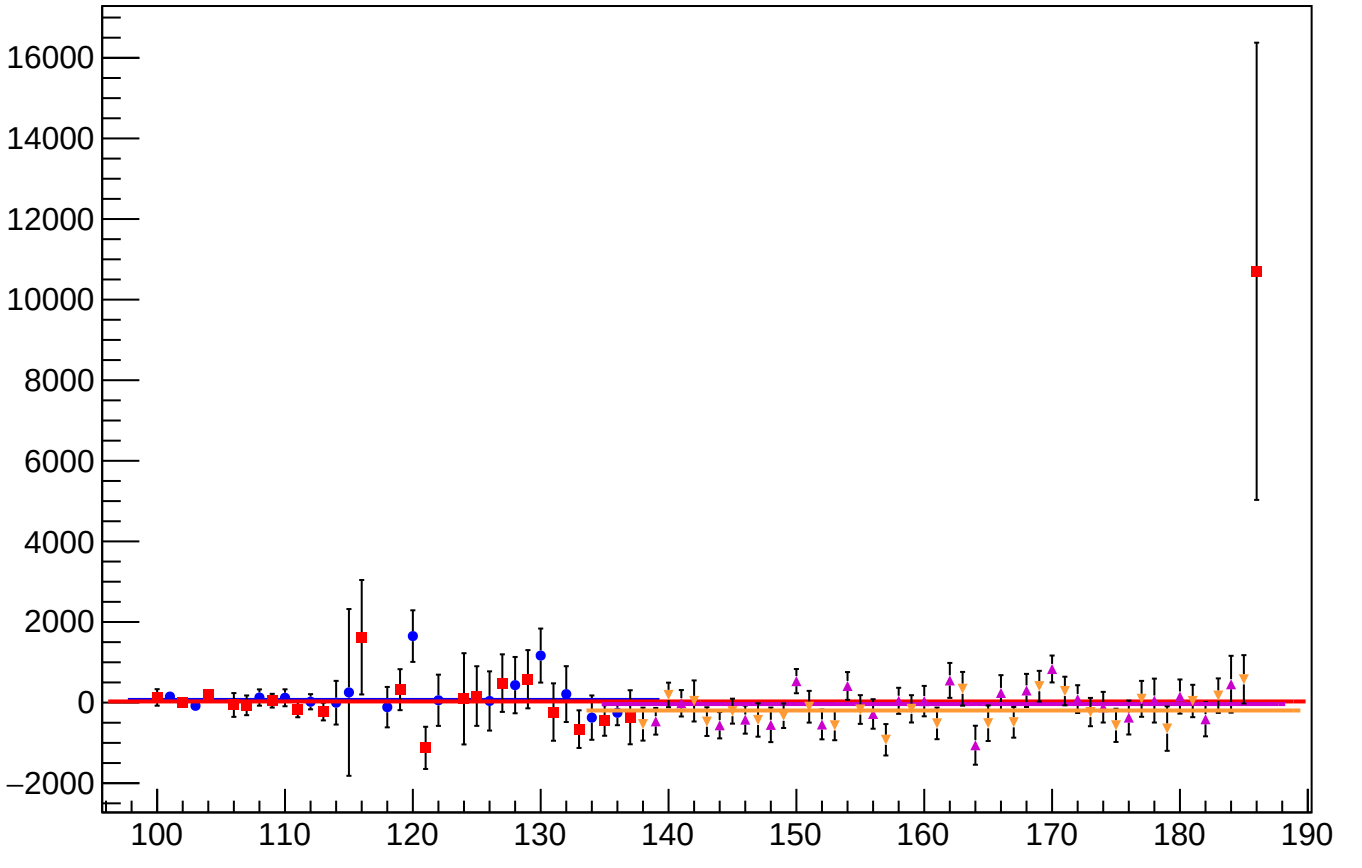
Right Out: 53.047+/-0.014 χ^2/NDF: 1150323.7/19

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.161+/-0.008 χ^2/NDF: 1172641.3/40

All: 60.053+/-0.006 χ^2/NDF: 3150925.1/83

- sign 59.941+/-0.008 χ^2/NDF: 1977940.1/42



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 28.243+/-50.247 χ^2/NDF: 21.5/19

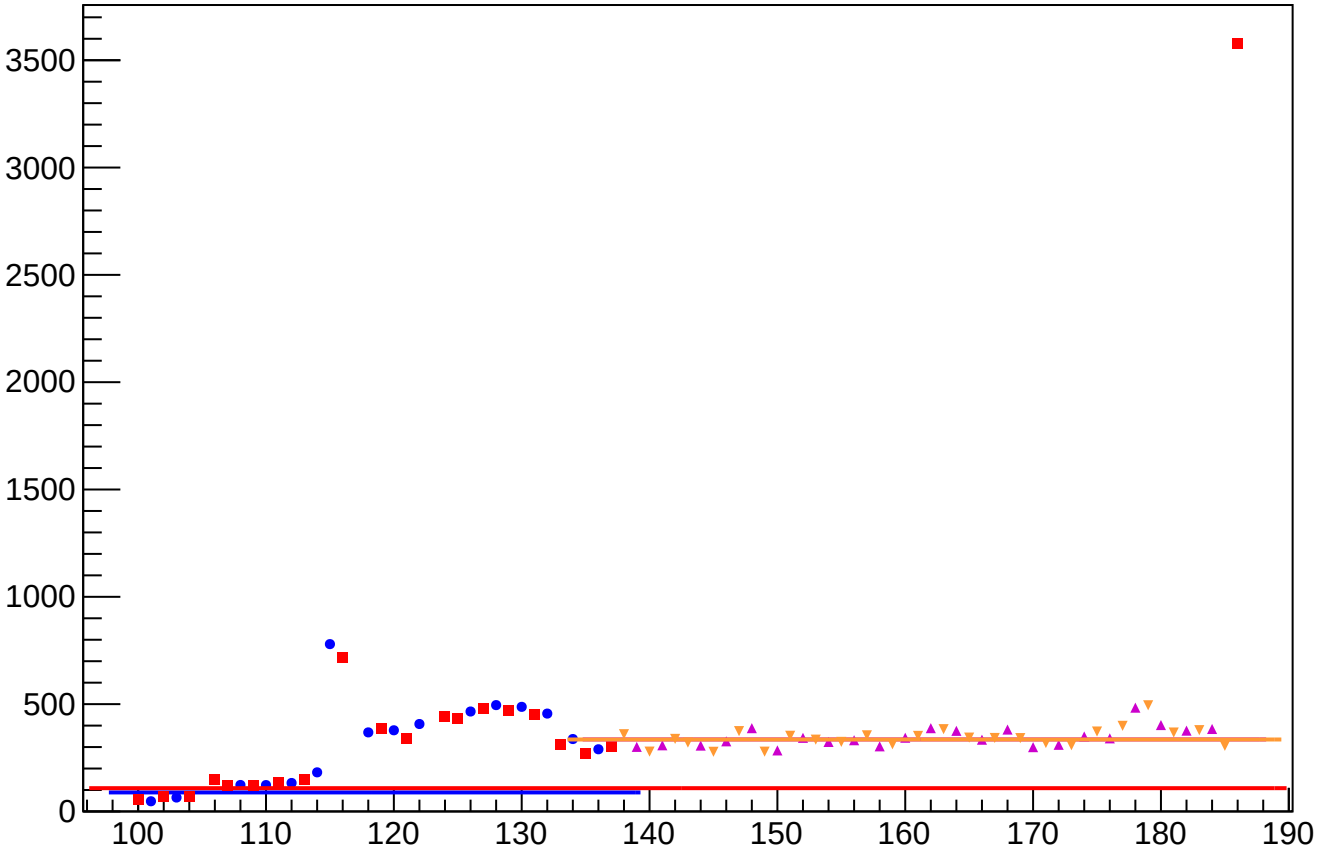
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -3.938+/-39.803 χ^2/NDF: 44.8/40

All: 2.442+/-29.029 χ^2/NDF: 97.9/83

- sign 9.691+/-42.430 χ^2/NDF: 53.1/42

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 108.479+/-0.036 χ^2/NDF: 6102328.7/19

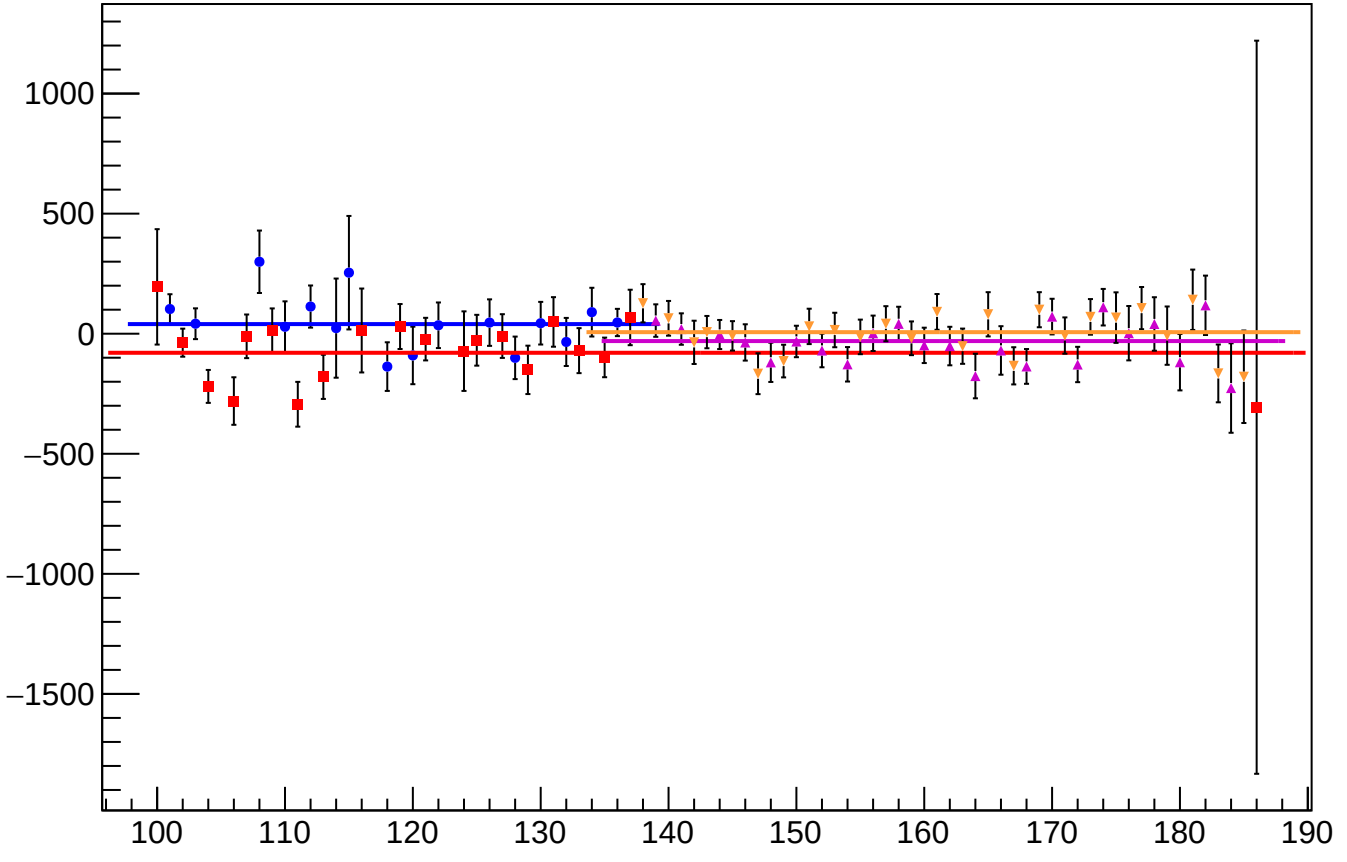
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 154.402+/-0.028 χ^2/NDF: 22223993.1/40

All: 163.401+/-0.021 χ^2/NDF: 40757334.9/83

- sign 173.626+/-0.030 χ^2/NDF: 18314947.9/42

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -79.424+/-21.575 χ^2/NDF: 24.8/19

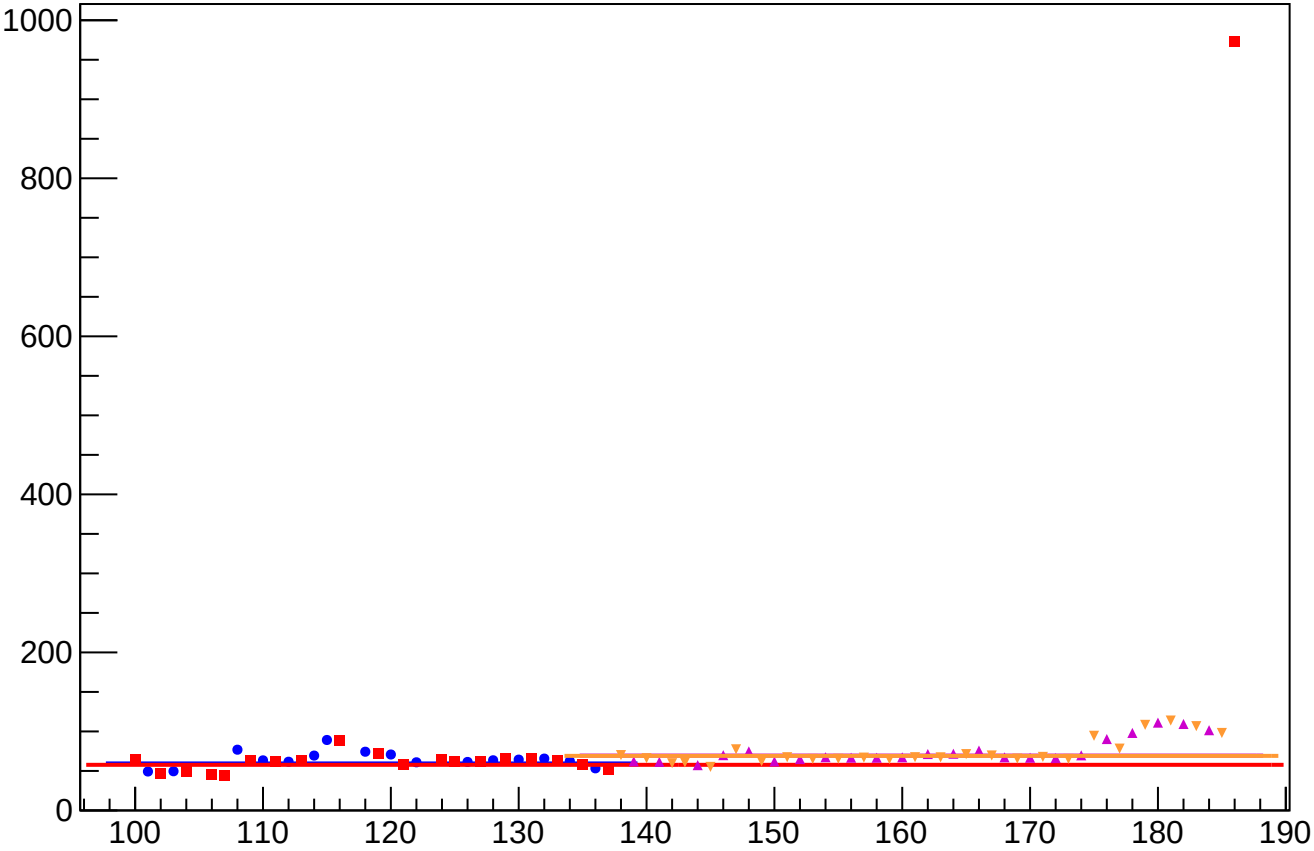
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.710+/-13.030 χ^2/NDF: 40.7/40

All: -15.277+/-9.241 χ^2/NDF: 104.1/83

- sign -48.661+/-13.108 χ^2/NDF: 50.5/42

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

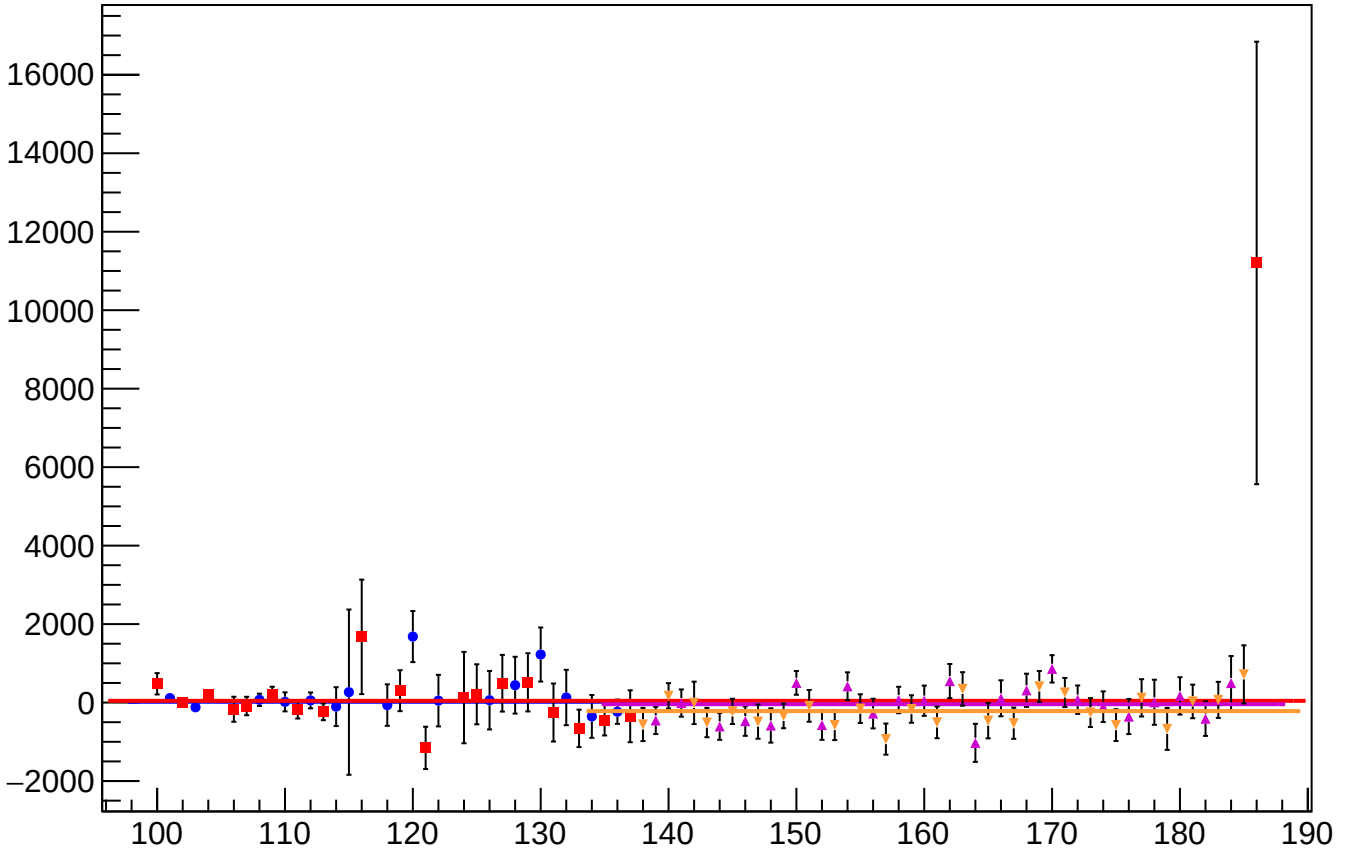
Right Out: 57.750+/-0.015 χ^2/NDF: 1066483.1/19

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 65.873+/-0.009 χ^2/NDF: 1597505.7/40

All: 65.500+/-0.007 χ^2/NDF: 3962110.7/83

- sign 65.122+/-0.009 χ^2/NDF: 2361303.9/42



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 44.256+/-53.208 χ^2/NDF: 25.4/19

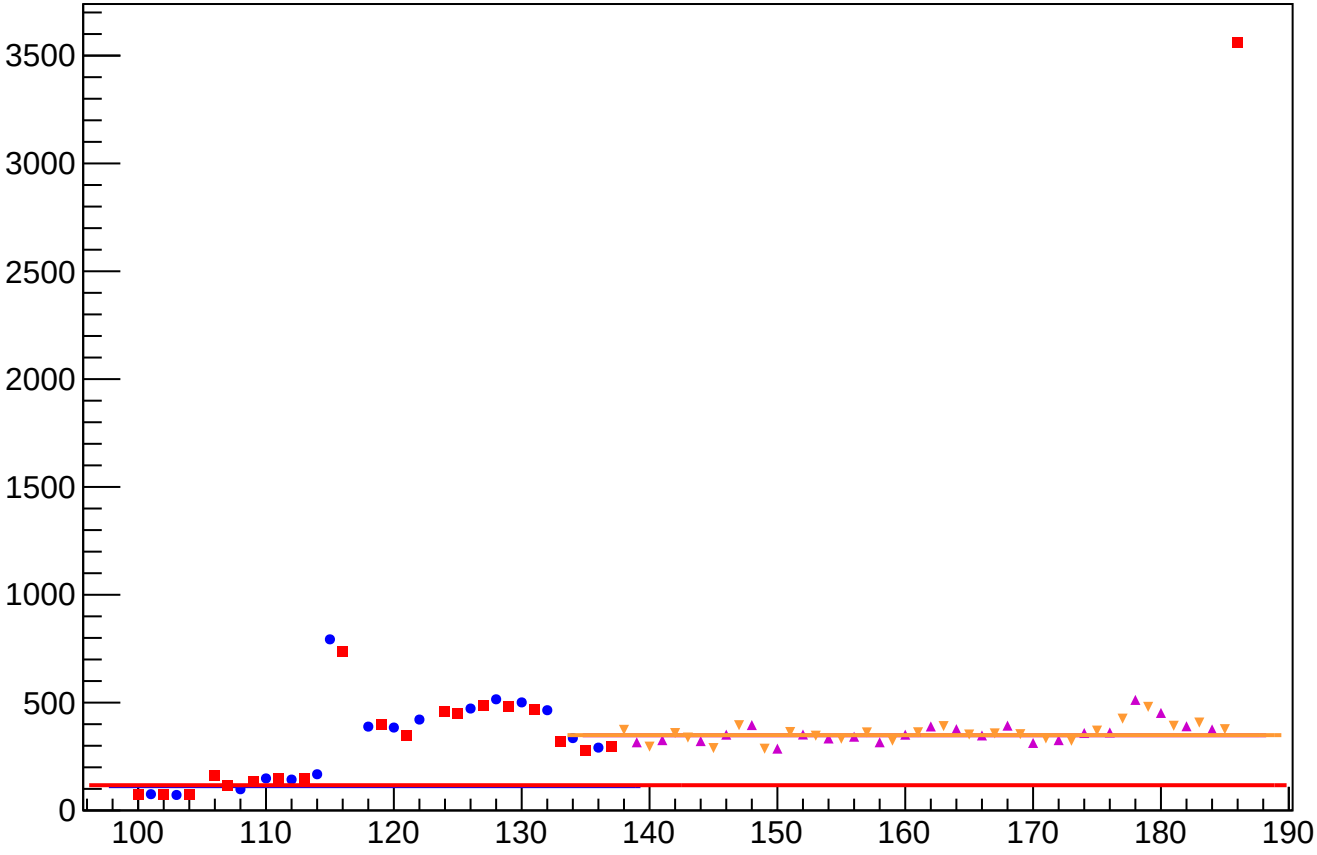
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

\+ sign -52.758+/-44.544 χ^2/NDF: 40.0/40

All: -17.008+/-31.544 χ^2/NDF: 97.5/83

\- sign 18.955+/-44.676 χ^2/NDF: 56.2/42

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 117.039+/-0.038 χ^2/NDF: 5887164.1/19

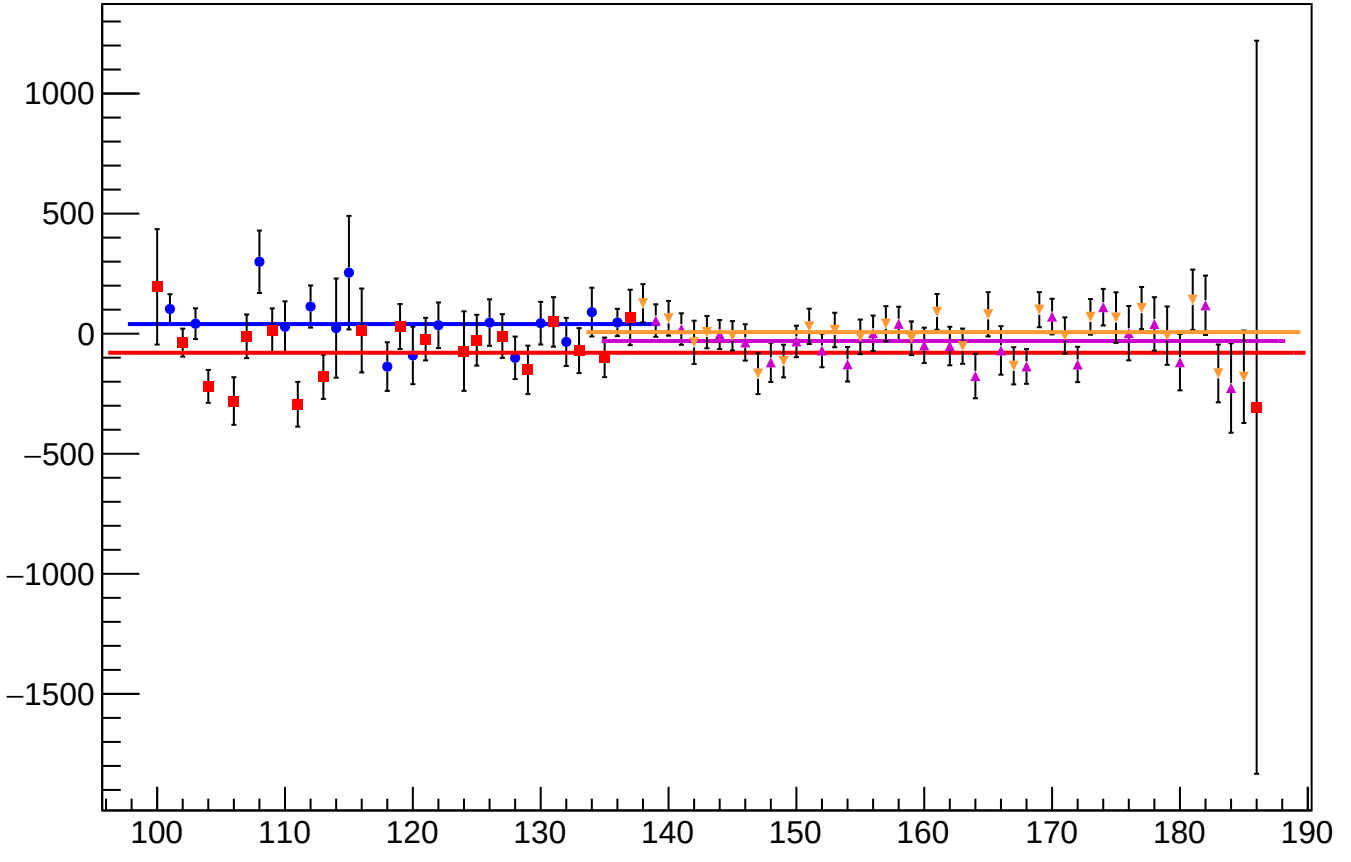
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 185.747+/-0.031 χ^2/NDF: 18162486.4/40

All: 185.542+/-0.022 χ^2/NDF: 35745824.1/83

- sign 185.336+/-0.032 χ^2/NDF: 17583252.6/42

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -79.423+/-21.575 χ^2/NDF: 24.8/19

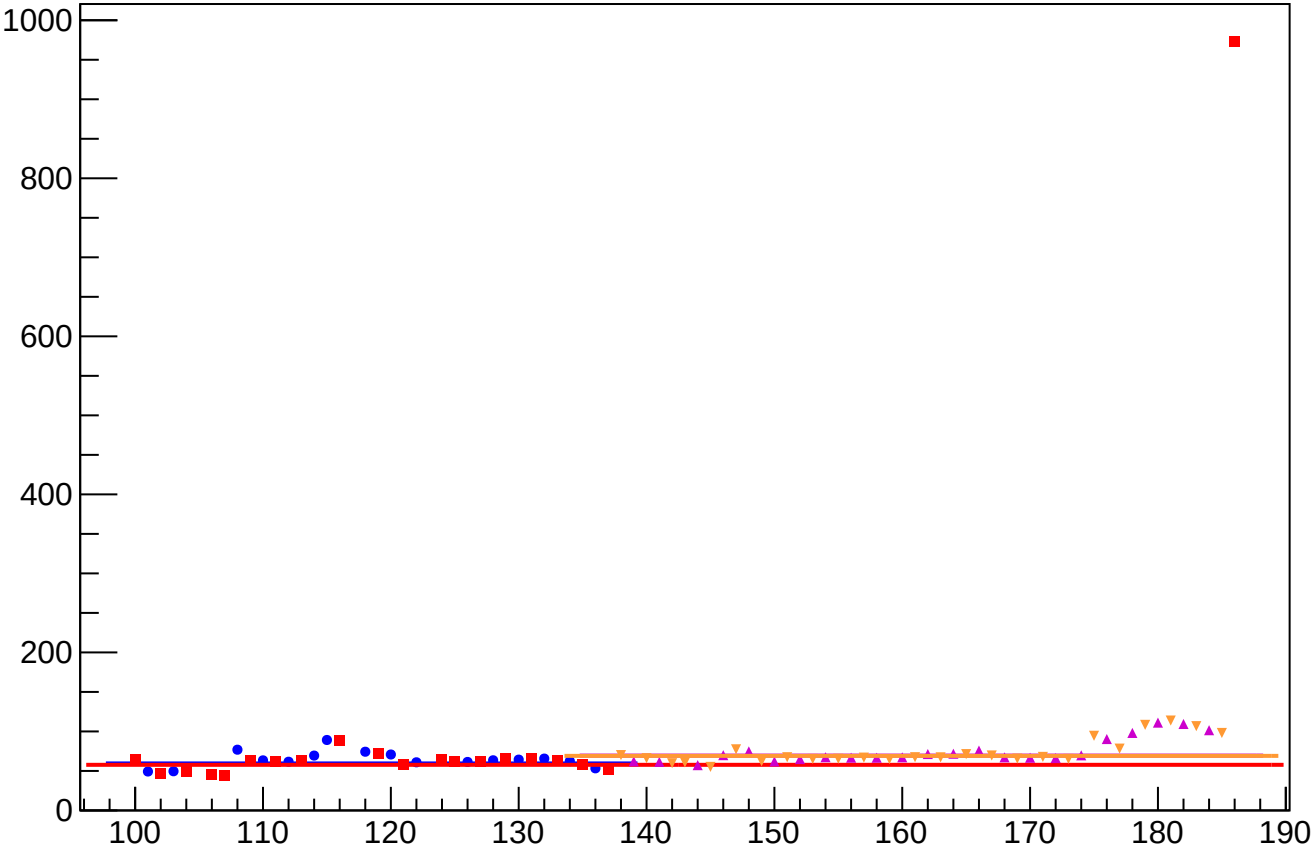
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.710+/-13.030 χ^2/NDF: 40.7/40

All: -15.277+/-9.241 χ^2/NDF: 104.1/83

- sign -48.661+/-13.108 χ^2/NDF: 50.5/42

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

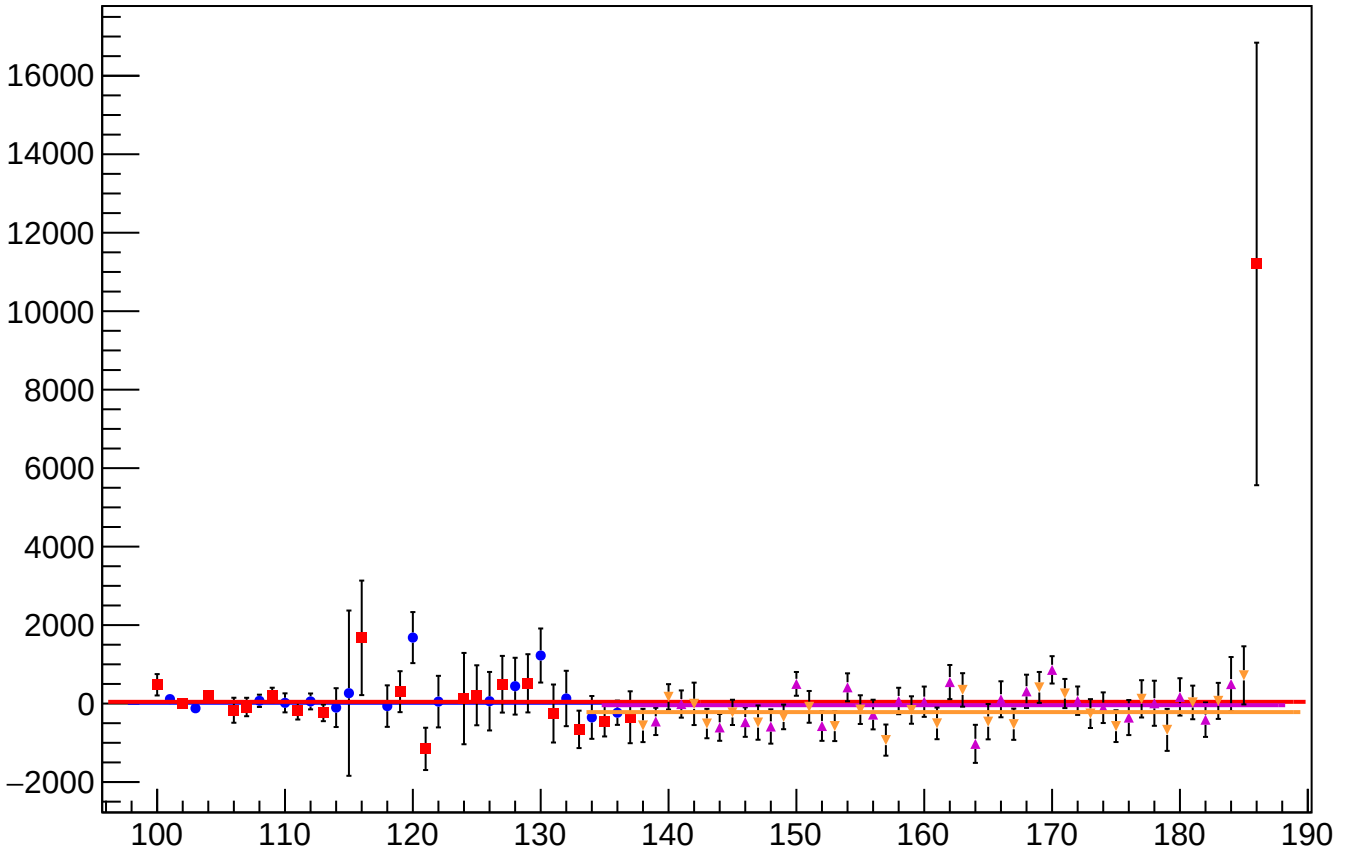
Right Out: 57.750+/-0.015 χ^2/NDF: 1066479.4/19

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 65.873+/-0.009 χ^2/NDF: 1597494.3/40

All: 65.500+/-0.007 χ^2/NDF: 3962093.6/83

- sign 65.122+/-0.009 χ^2/NDF: 2361298.5/42



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

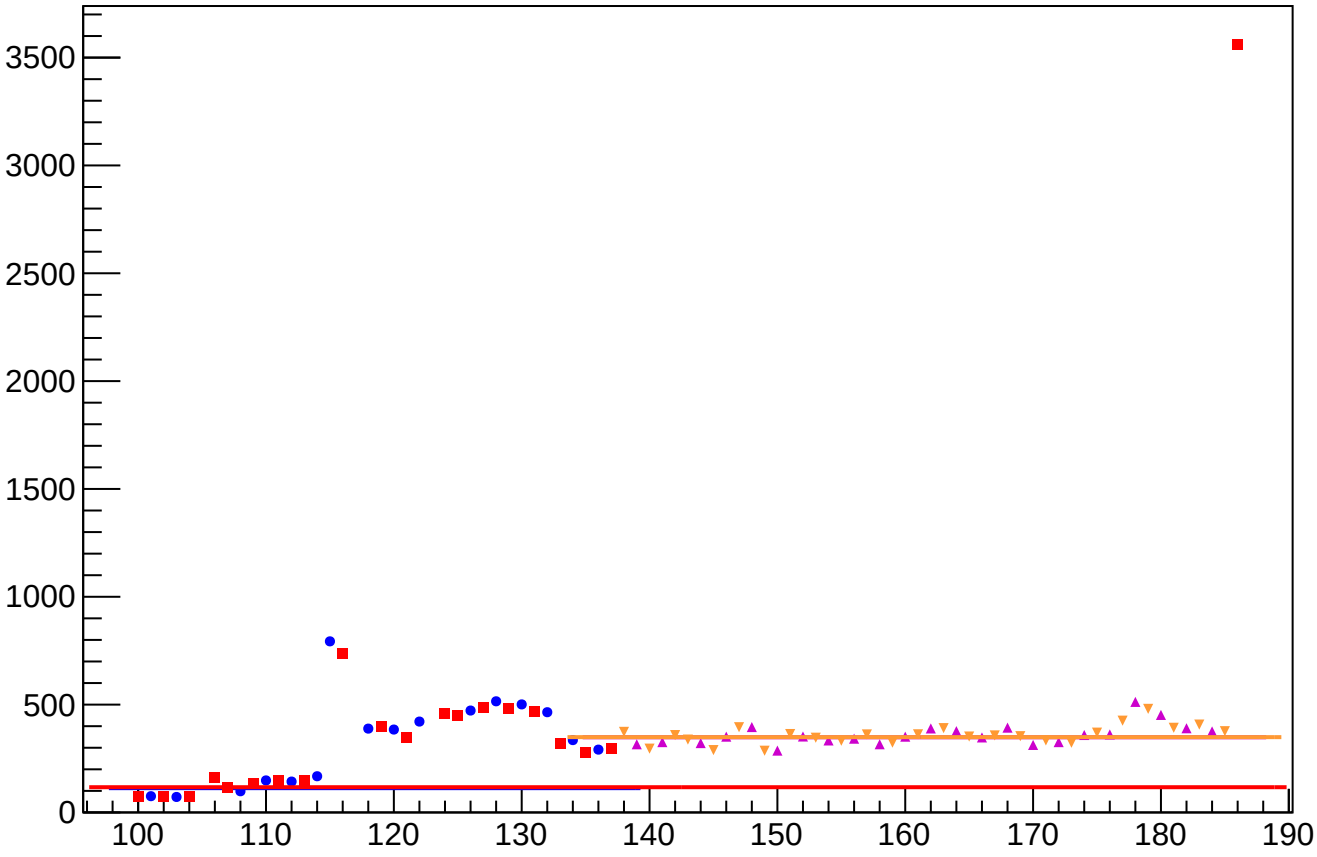
Right Out: 44.255+/-53.208 χ^2/NDF: 25.4/19

Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -52.758+/-44.544 χ^2/NDF: 40.0/40

All: -17.008+/-31.544 χ^2/NDF: 97.5/83

- sign 18.955+/-44.676 χ^2/NDF: 56.2/42



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 117.039+/-0.038 χ^2/NDF: 5887166.4/19

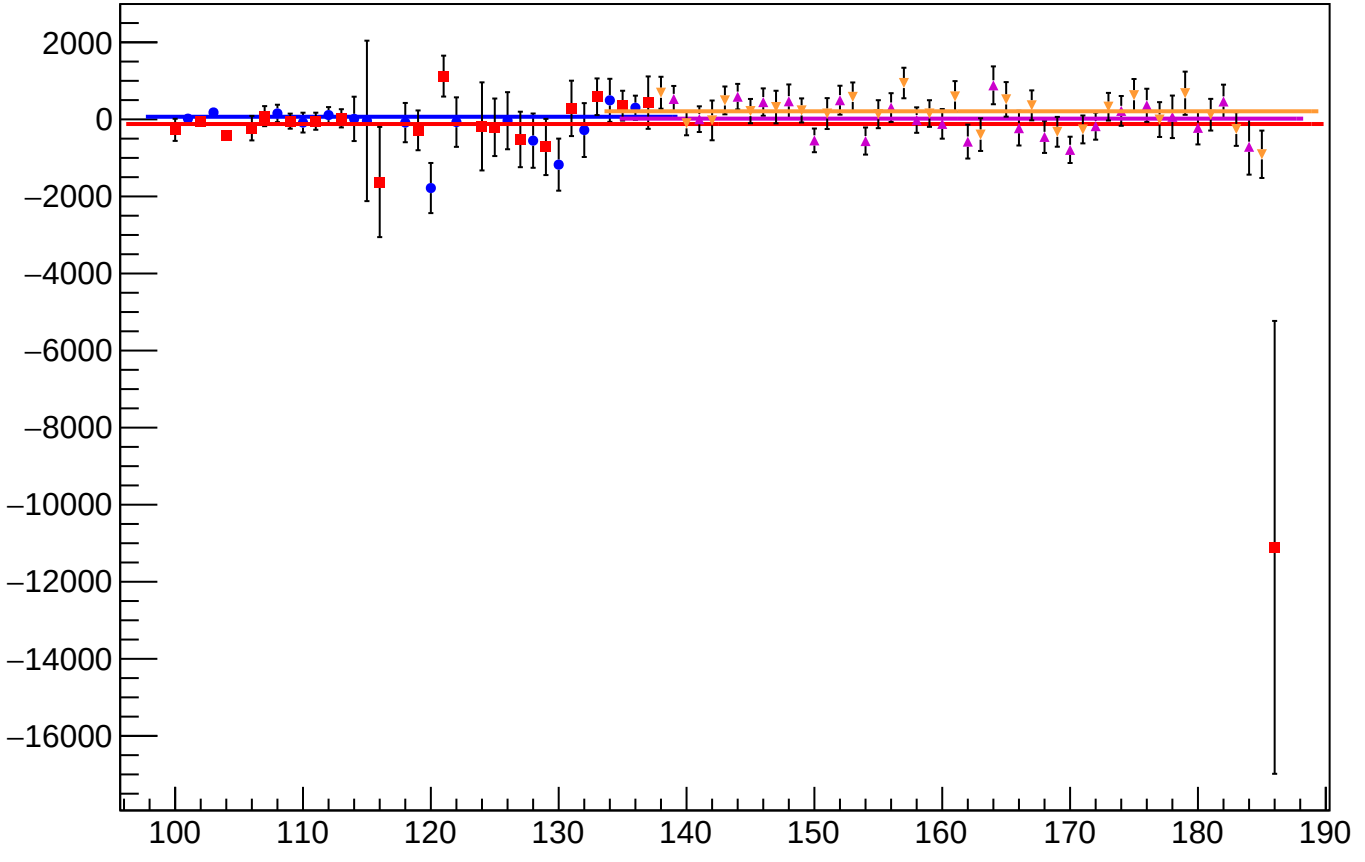
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 185.747+/-0.031 χ^2/NDF: 18162544.3/40

All: 185.542+/-0.022 χ^2/NDF: 35745961.0/83

- sign 185.335+/-0.032 χ^2/NDF: 17583331.6/42

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -120.703+/-57.938 χ^2/NDF: 24.6/19

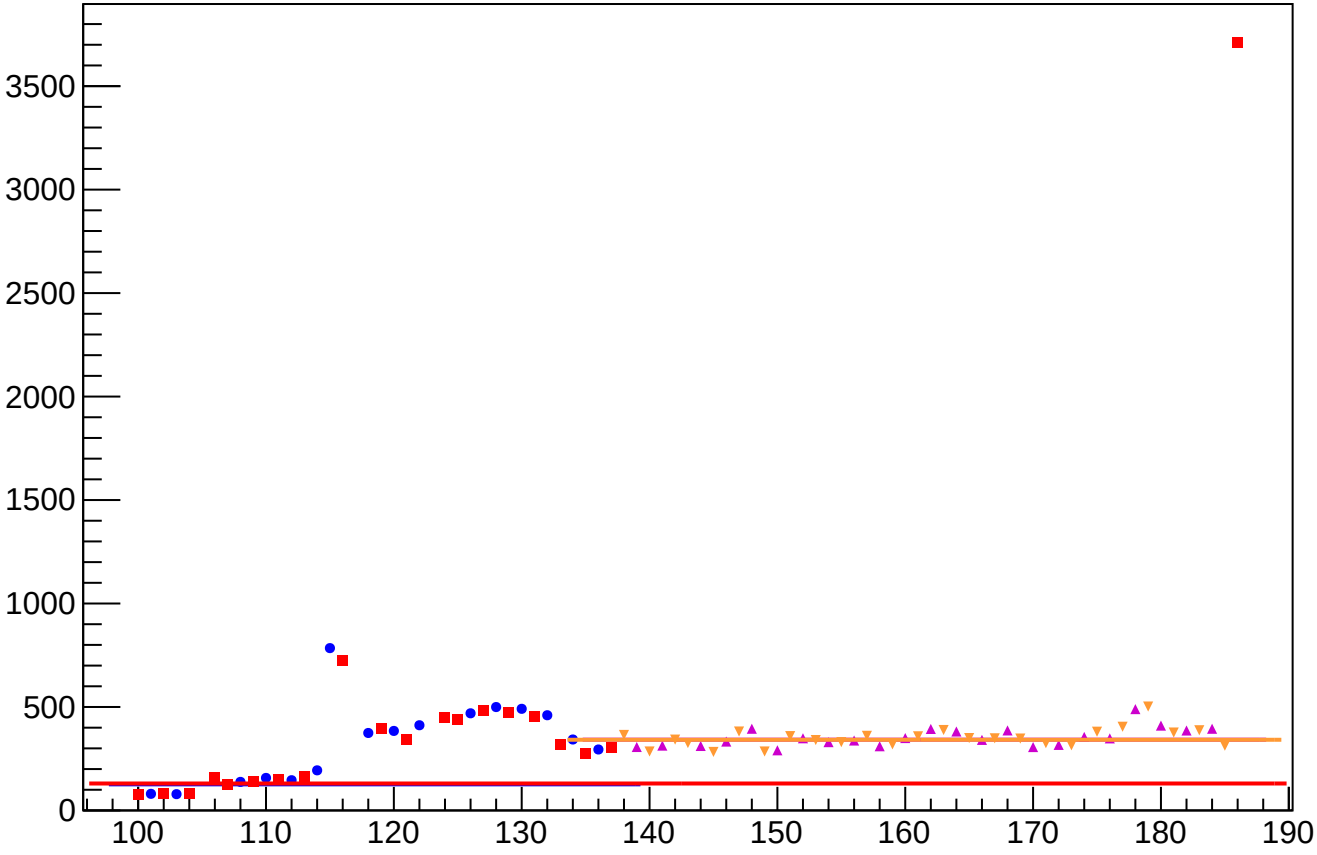
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 119.130+/-47.253 χ^2/NDF: 39.3/40

All: 22.544+/-33.346 χ^2/NDF: 106.2/83

- sign -73.274+/-47.065 χ^2/NDF: 58.6/42

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

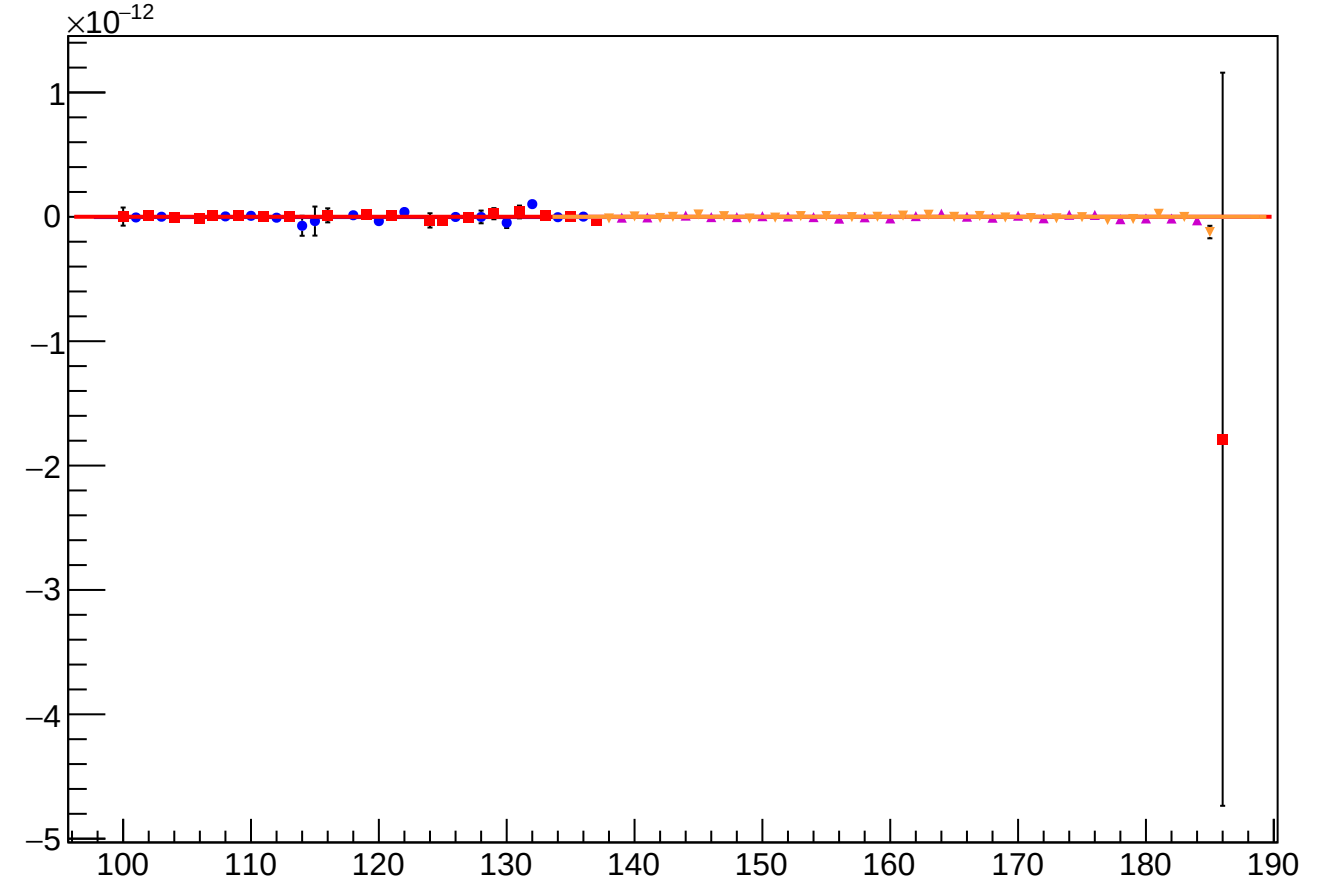
Right Out: 130.263+/-0.041 χ^2/NDF: 5390270.3/19

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 204.190+/-0.033 χ^2/NDF: 15378227.5/40

All: 203.222+/-0.024 χ^2/NDF: 30336131.9/83

- sign 202.262+/-0.033 χ^2/NDF: 14956234.2/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

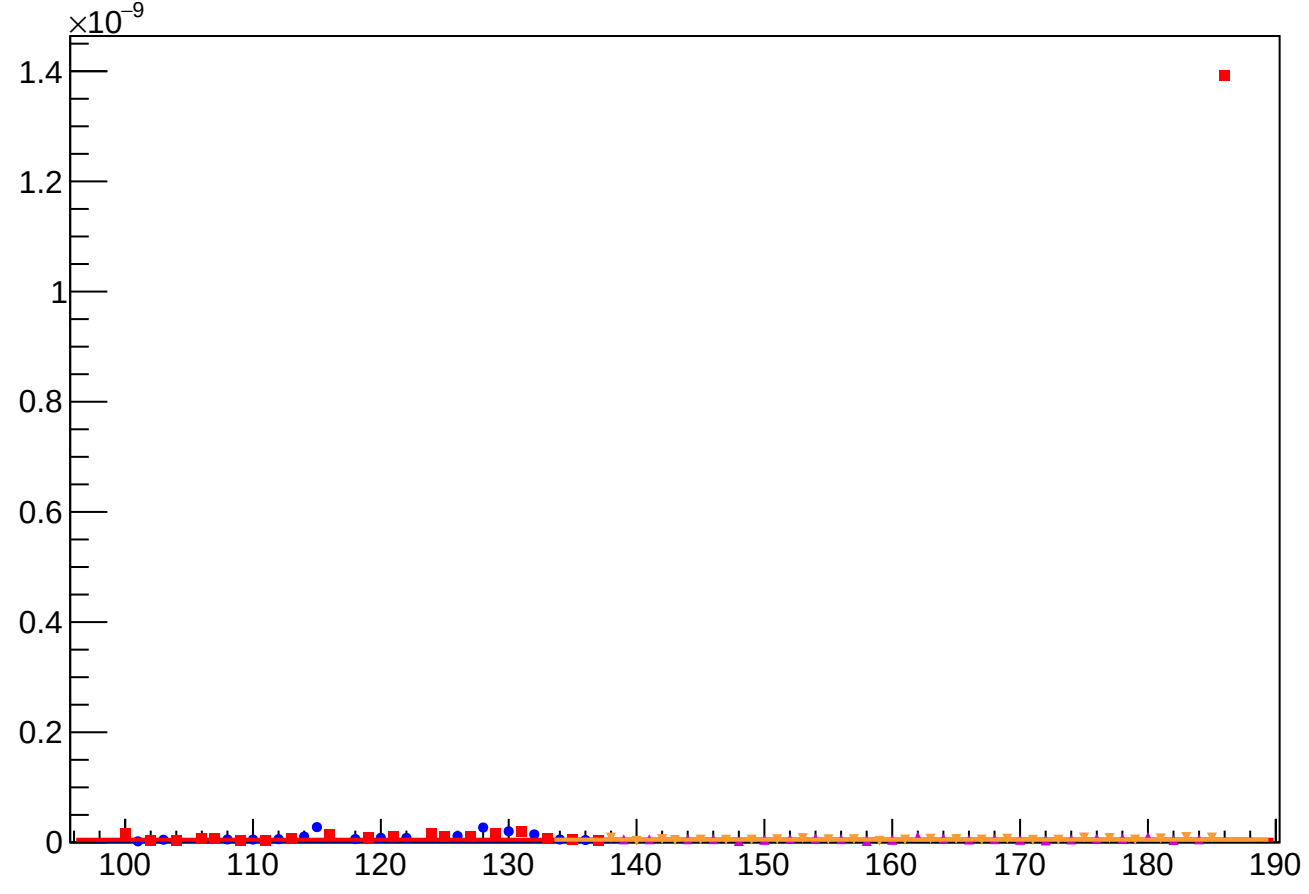
Right Out: 0.000+/-0.000 χ^2/NDF: 10.9/19

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.7/40

All: -0.000+/-0.000 χ^2/NDF: 78.3/83

- sign -0.000+/-0.000 χ^2/NDF: 31.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1738419.7/19

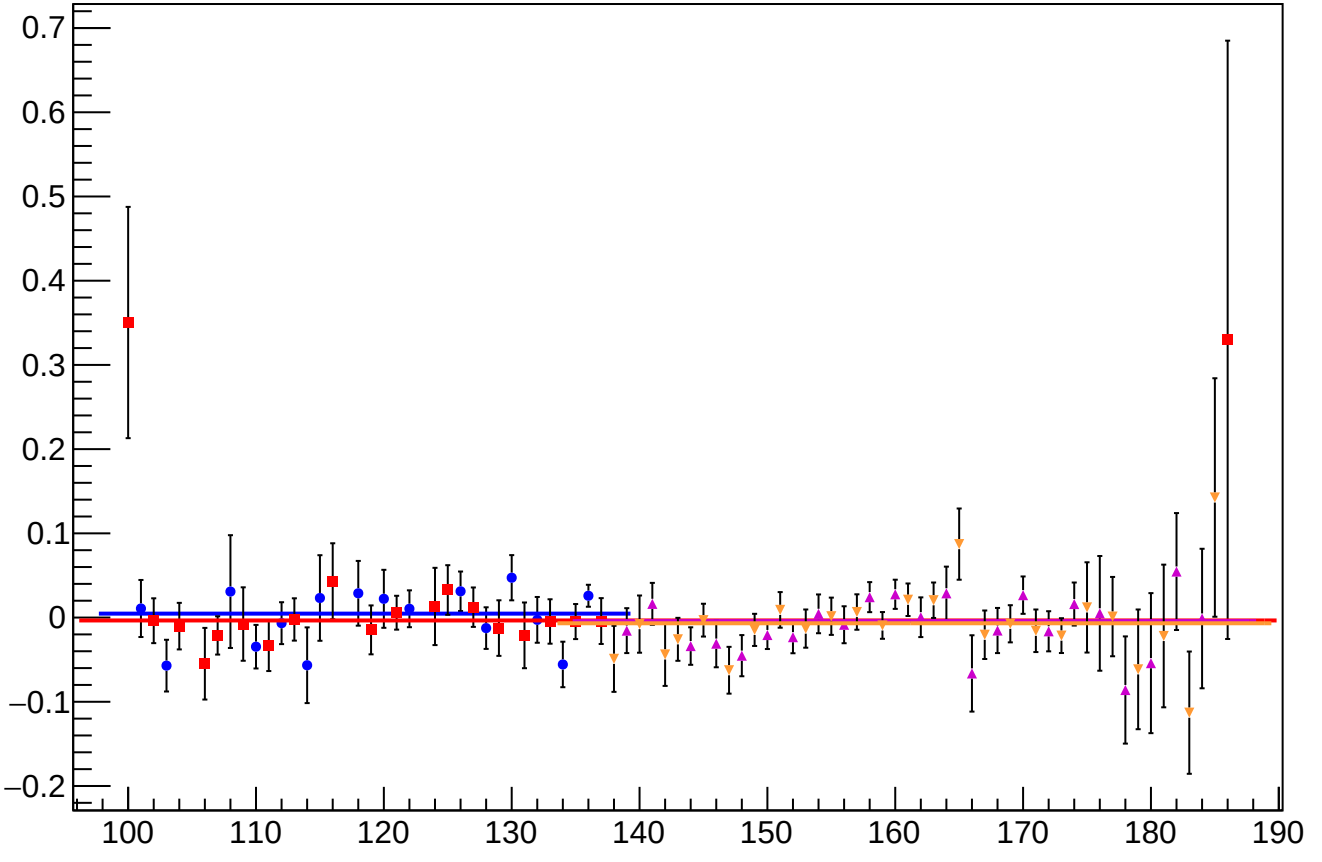
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3807764.4/40

All: 0.000+/-0.000 χ^2/NDF: 6850131.5/83

- 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: 21.5/15

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.007 χ^2/NDF: 14.5/19

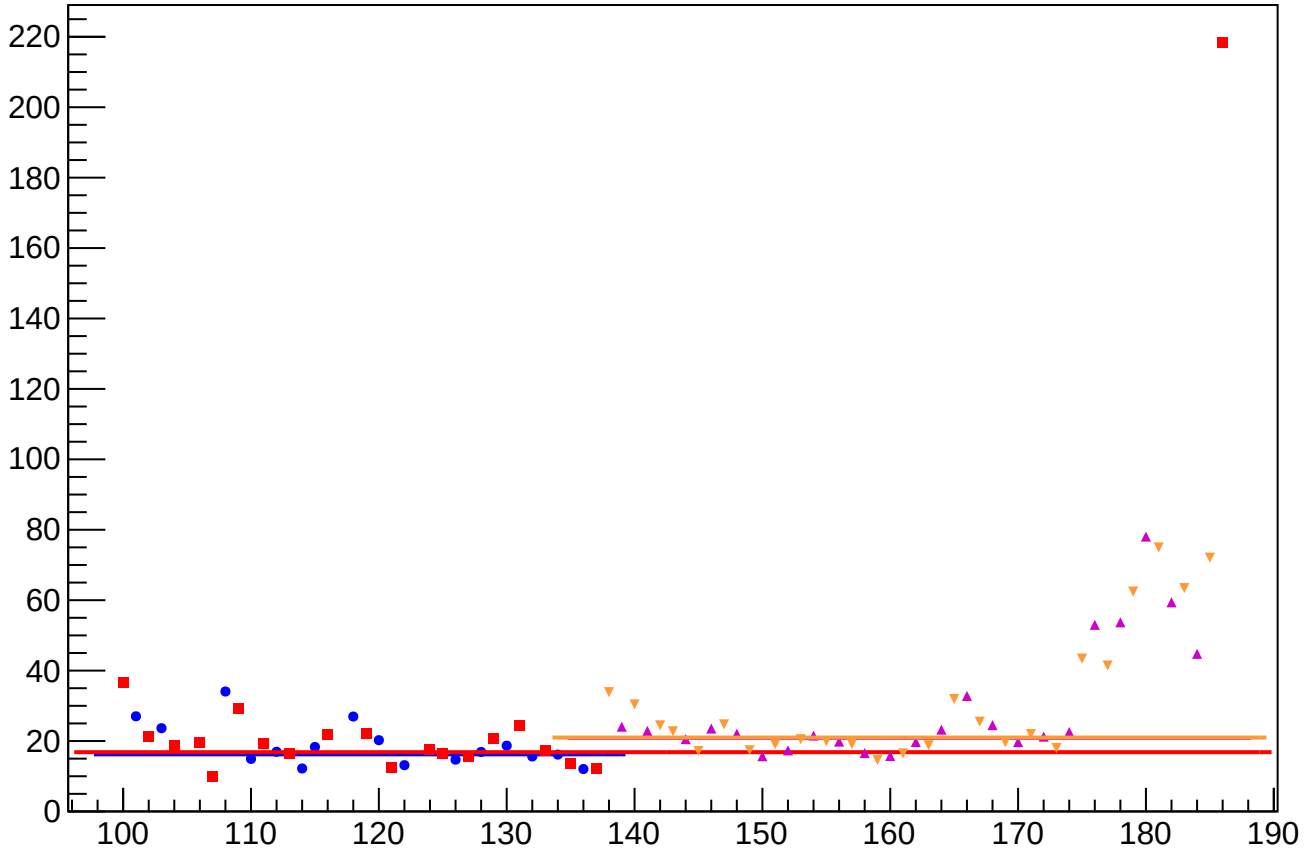
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 45.1/40

All: -0.003+/-0.003 χ^2/NDF: 82.8/83

- sign -0.004+/-0.004 χ^2/NDF: 37.7/42

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

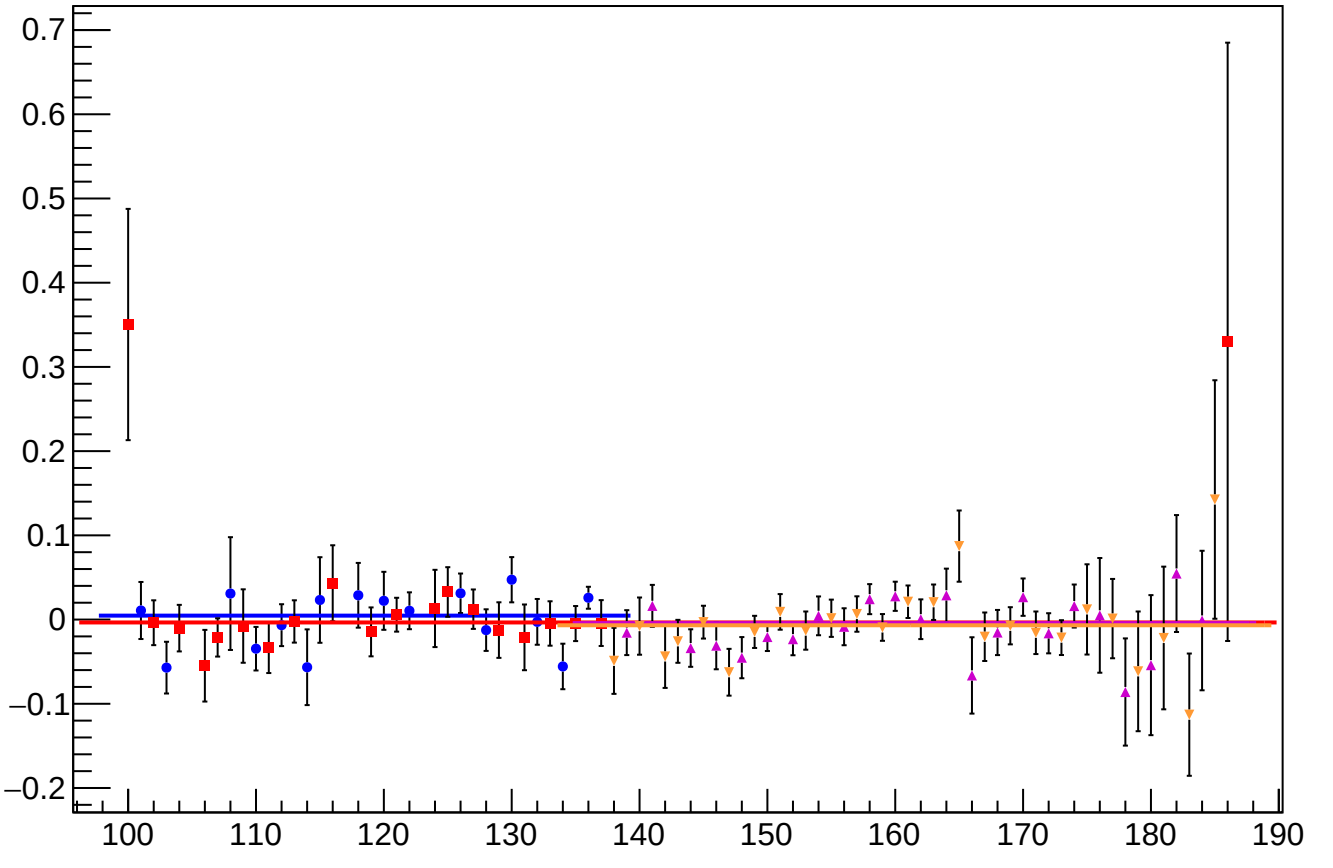
Right Out: 16.836+/-0.005 χ^2/NDF: 1510514.8/19

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.143+/-0.003 χ^2/NDF: 6057784.6/40

All: 19.219+/-0.002 χ^2/NDF: 11556771.1/83

- sign 19.298+/-0.003 χ^2/NDF: 5497556.6/42



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.007 χ^2/NDF: 14.5/19

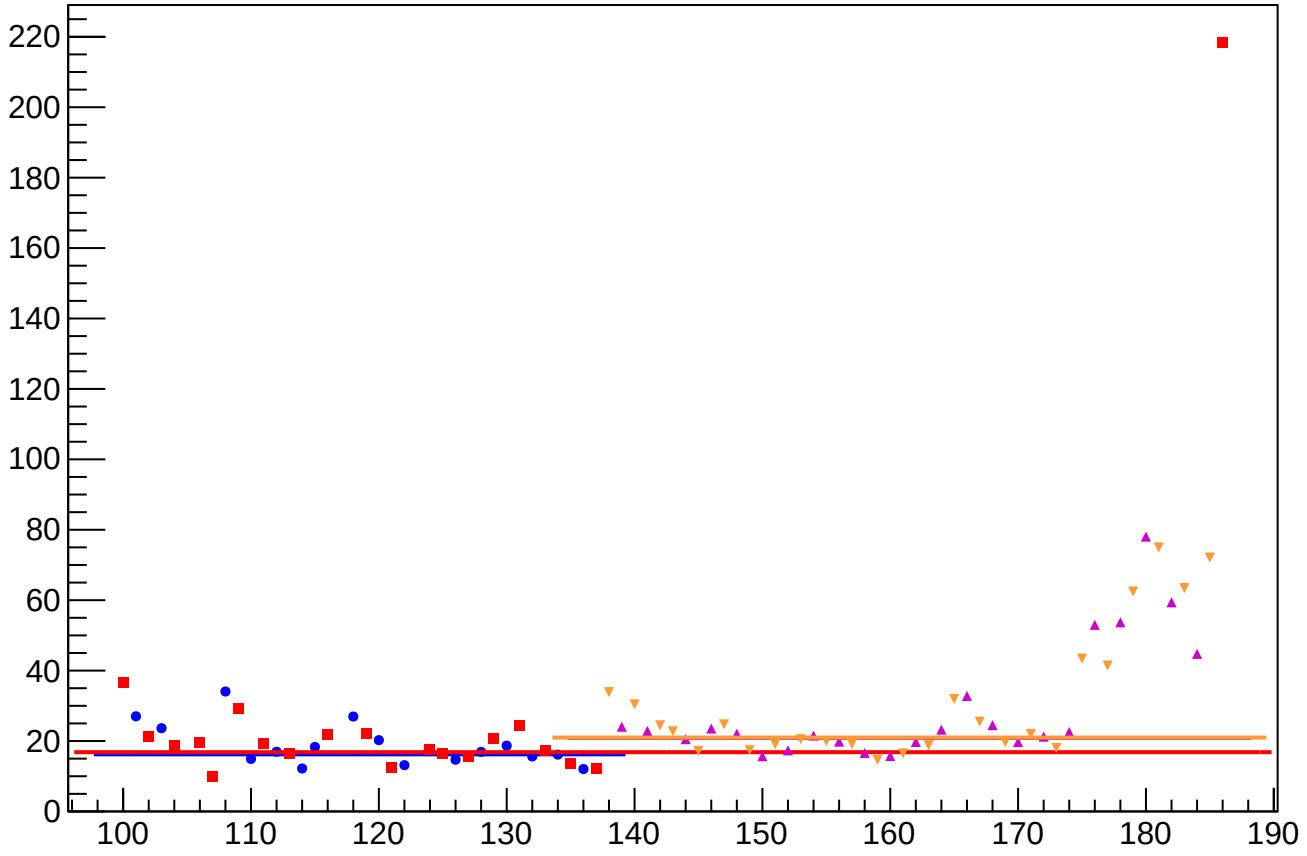
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 45.1/40

All: -0.003+/-0.003 χ^2/NDF: 82.8/83

- 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: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

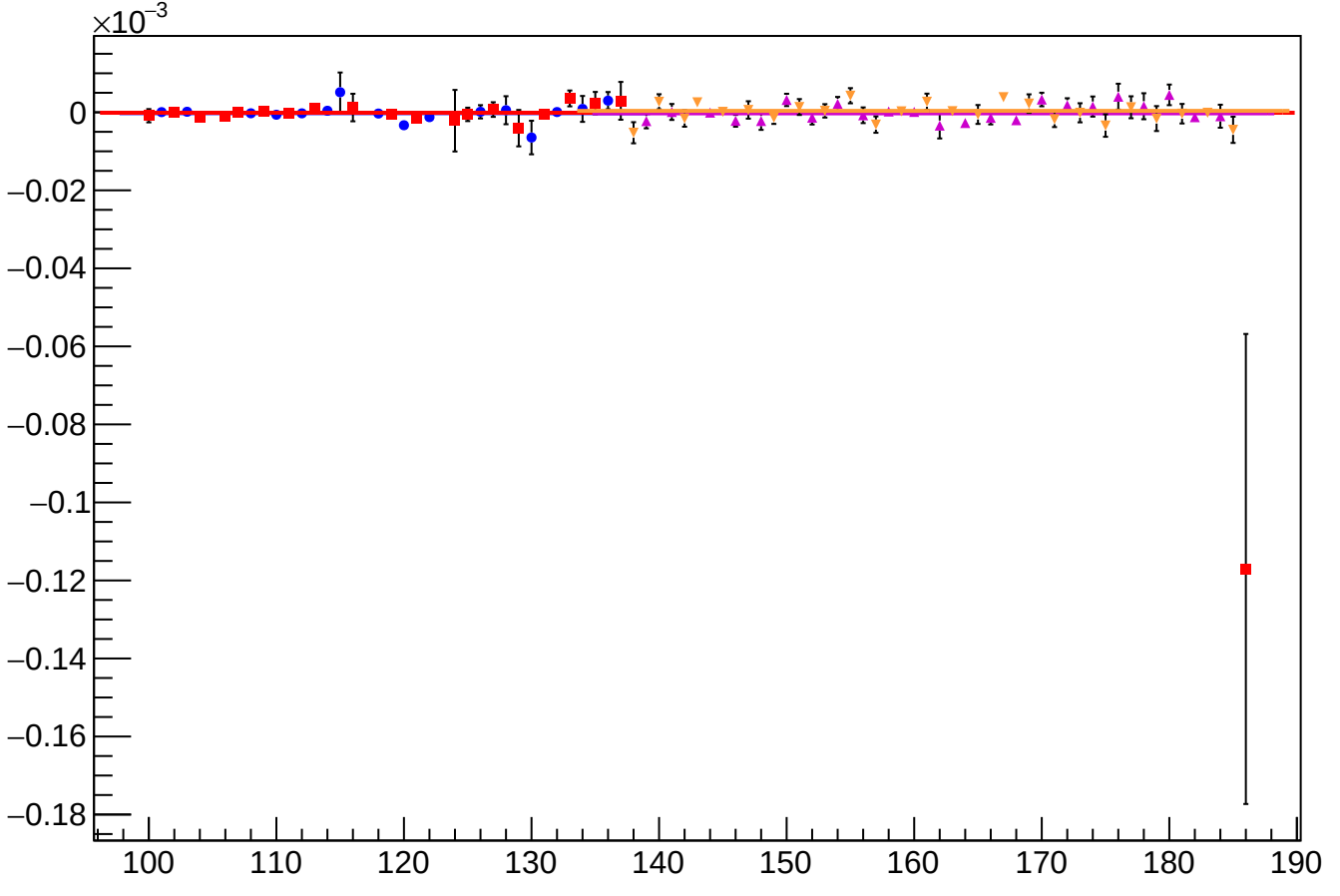
Right Out: 16.836+/-0.005 χ^2/NDF: 1510514.8/19

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.143+/-0.003 χ^2/NDF: 6057784.6/40

All: 19.219+/-0.002 χ^2/NDF: 11556771.1/83

- sign 19.298+/-0.003 χ^2/NDF: 5497556.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/19

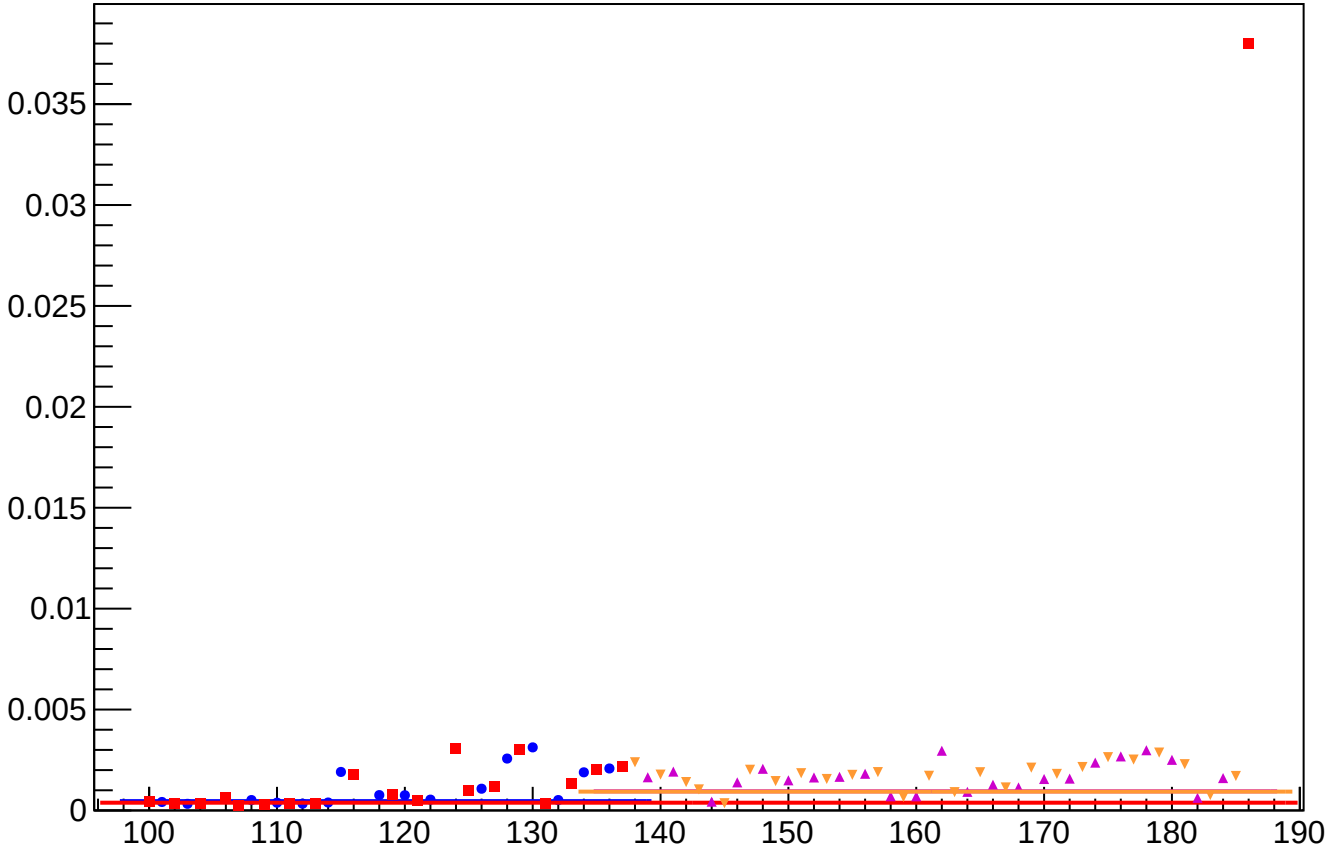
Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.7/40

All: -0.000+/-0.000 χ^2/NDF: 108.1/83

- sign -0.000+/-0.000 χ^2/NDF: 55.8/42

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

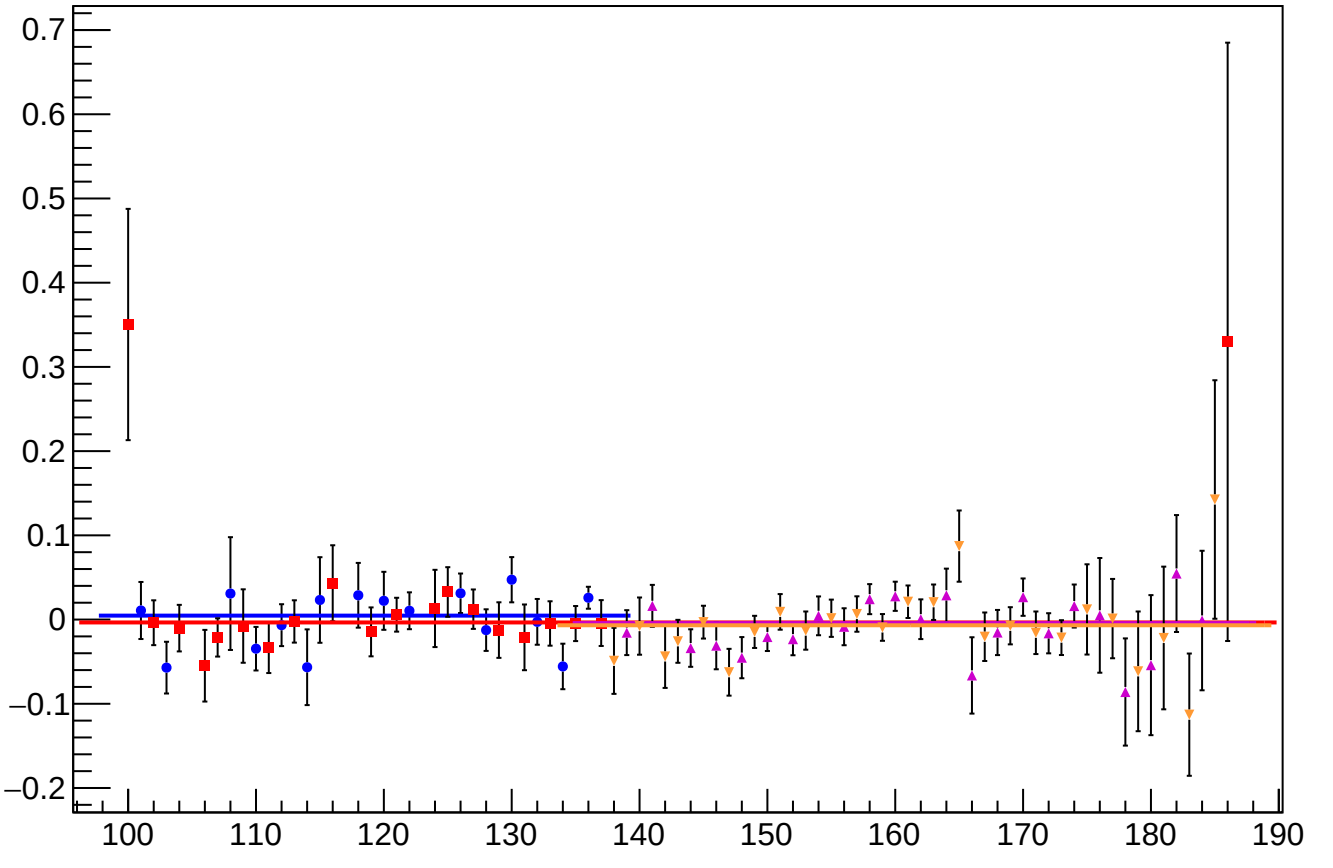
Right Out: 0.000+/-0.000 χ^2/NDF: 4839011.8/19

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 19985889.2/40

All: 0.001+/-0.000 χ^2/NDF: 41066249.1/83

- sign 0.001+/-0.000 χ^2/NDF: 20731573.8/42



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.007 χ^2/NDF: 14.5/19

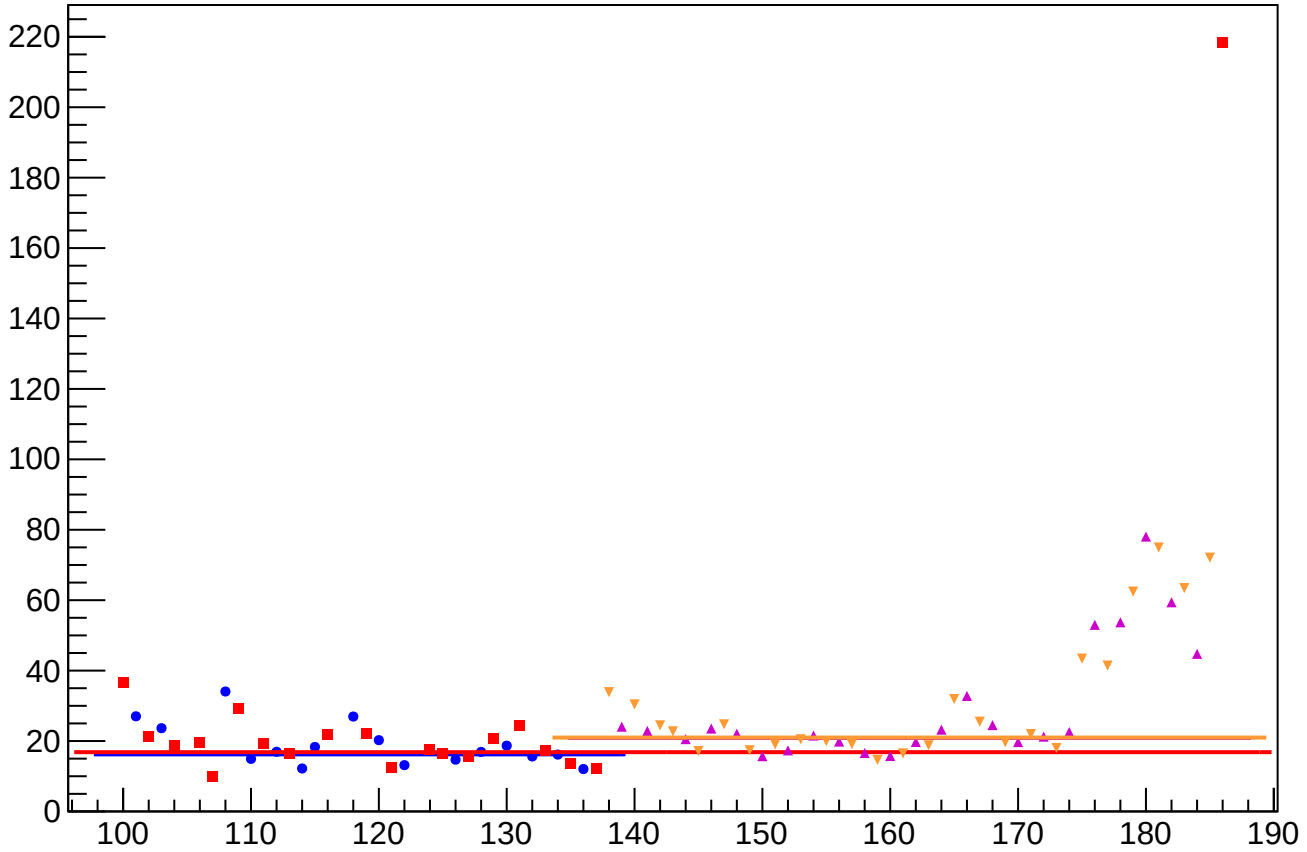
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 45.1/40

All: -0.003+/-0.003 χ^2/NDF: 82.8/83

- sign -0.004+/-0.004 χ^2/NDF: 37.7/42

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

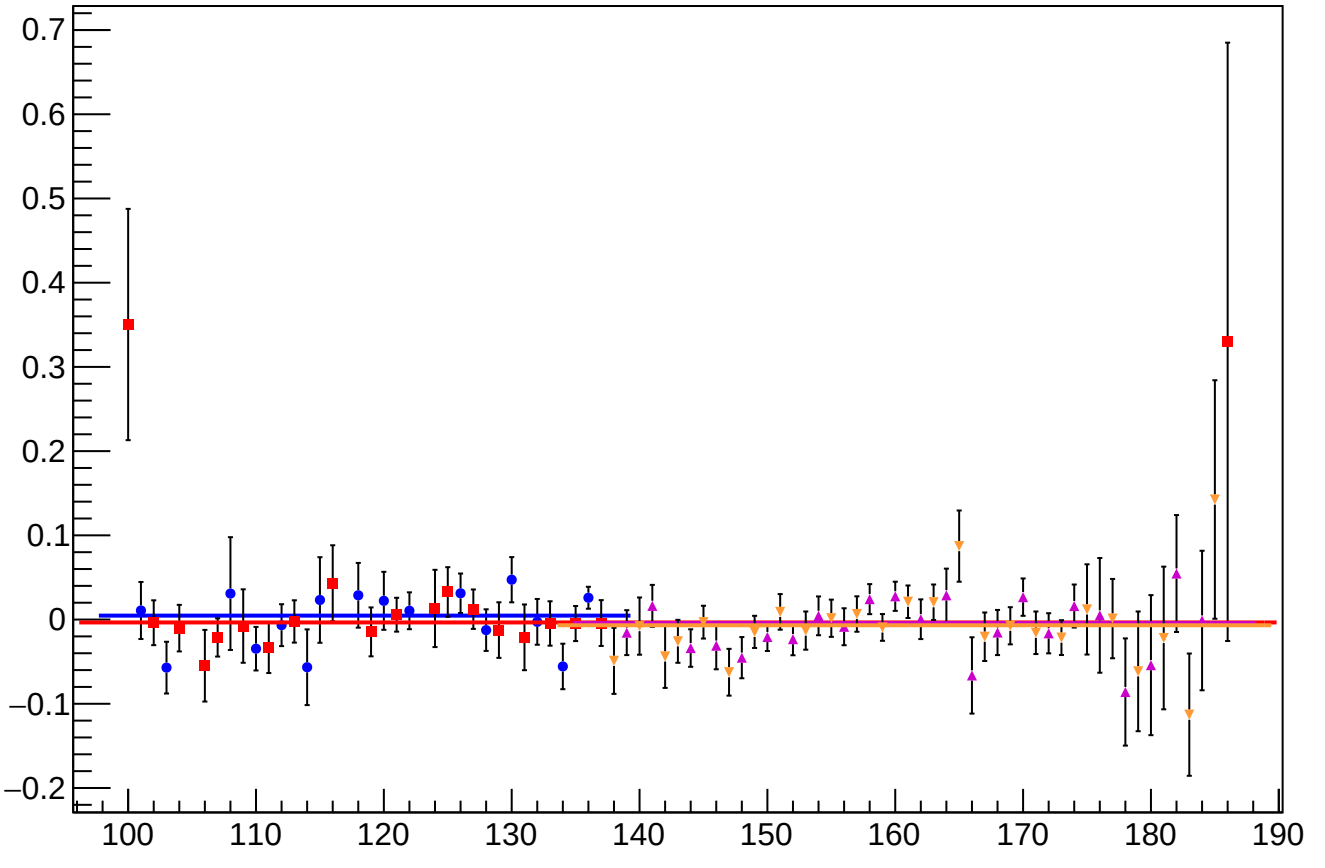
Right Out: 16.836+/-0.005 χ^2/NDF: 1510509.4/19

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

\+ sign 19.143+/-0.003 χ^2/NDF: 6057816.4/40

All: 19.219+/-0.002 χ^2/NDF: 11556912.1/83

\- sign 19.298+/-0.003 χ^2/NDF: 5497666.9/42



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

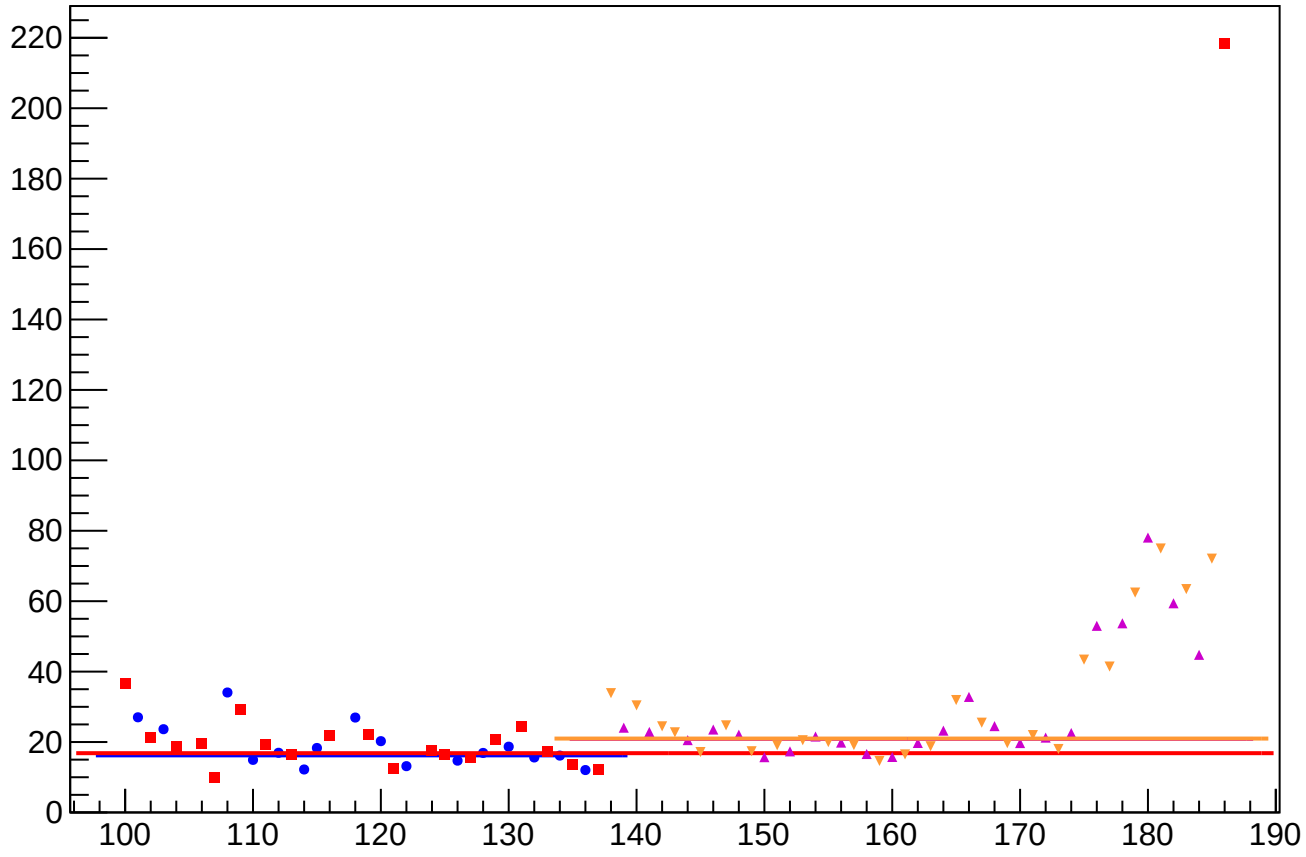
Right Out: -0.003+/-0.007 χ^2/NDF: 14.5/19

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 45.1/40

All: -0.003+/-0.003 χ^2/NDF: 82.8/83

- sign -0.004+/-0.004 χ^2/NDF: 37.7/42



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

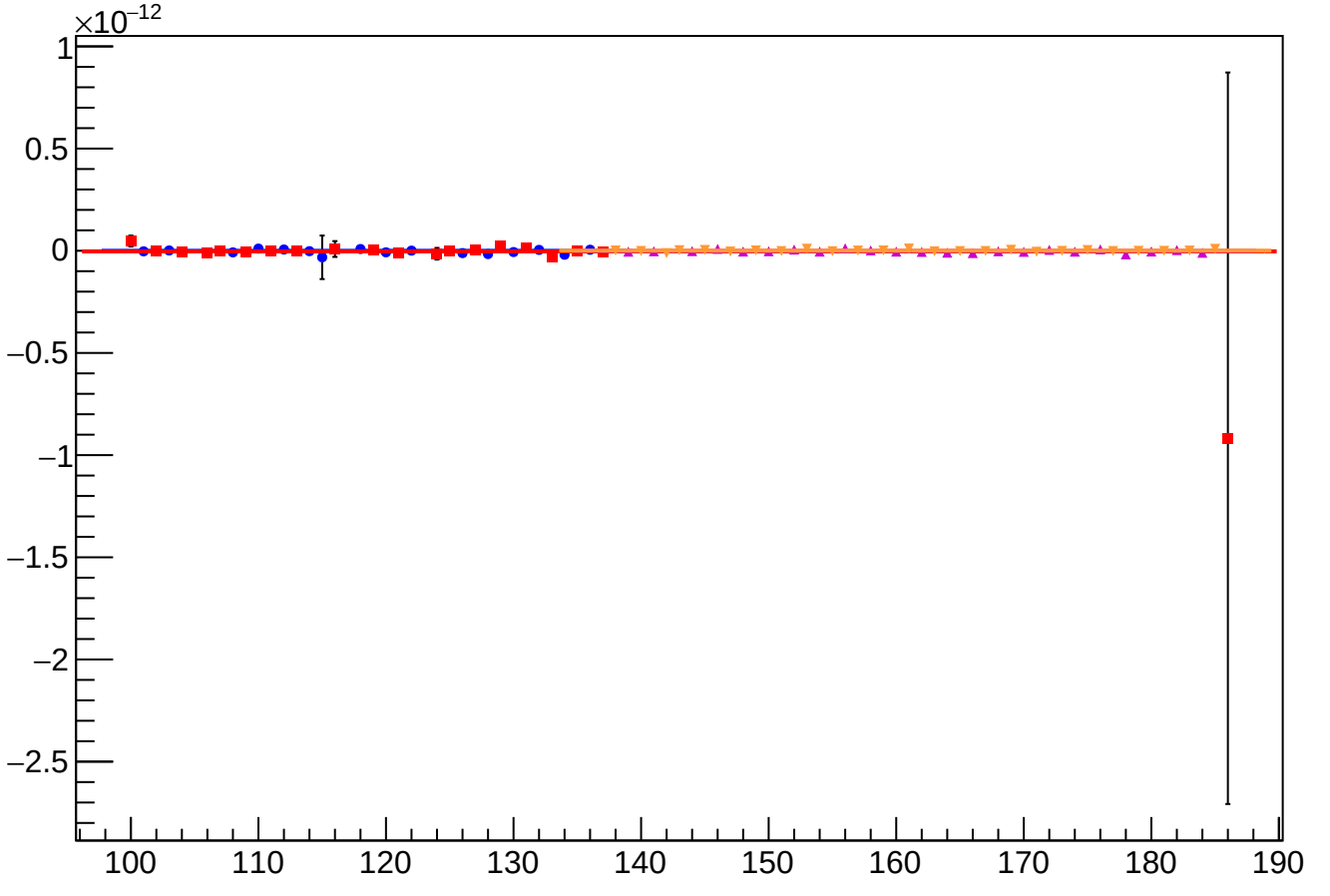
Right Out: 16.836+/-0.005 χ^2/NDF: 1510509.4/19

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.143+/-0.003 χ^2/NDF: 6057816.4/40

All: 19.219+/-0.002 χ^2/NDF: 11556912.1/83

- sign 19.298+/-0.003 χ^2/NDF: 5497666.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

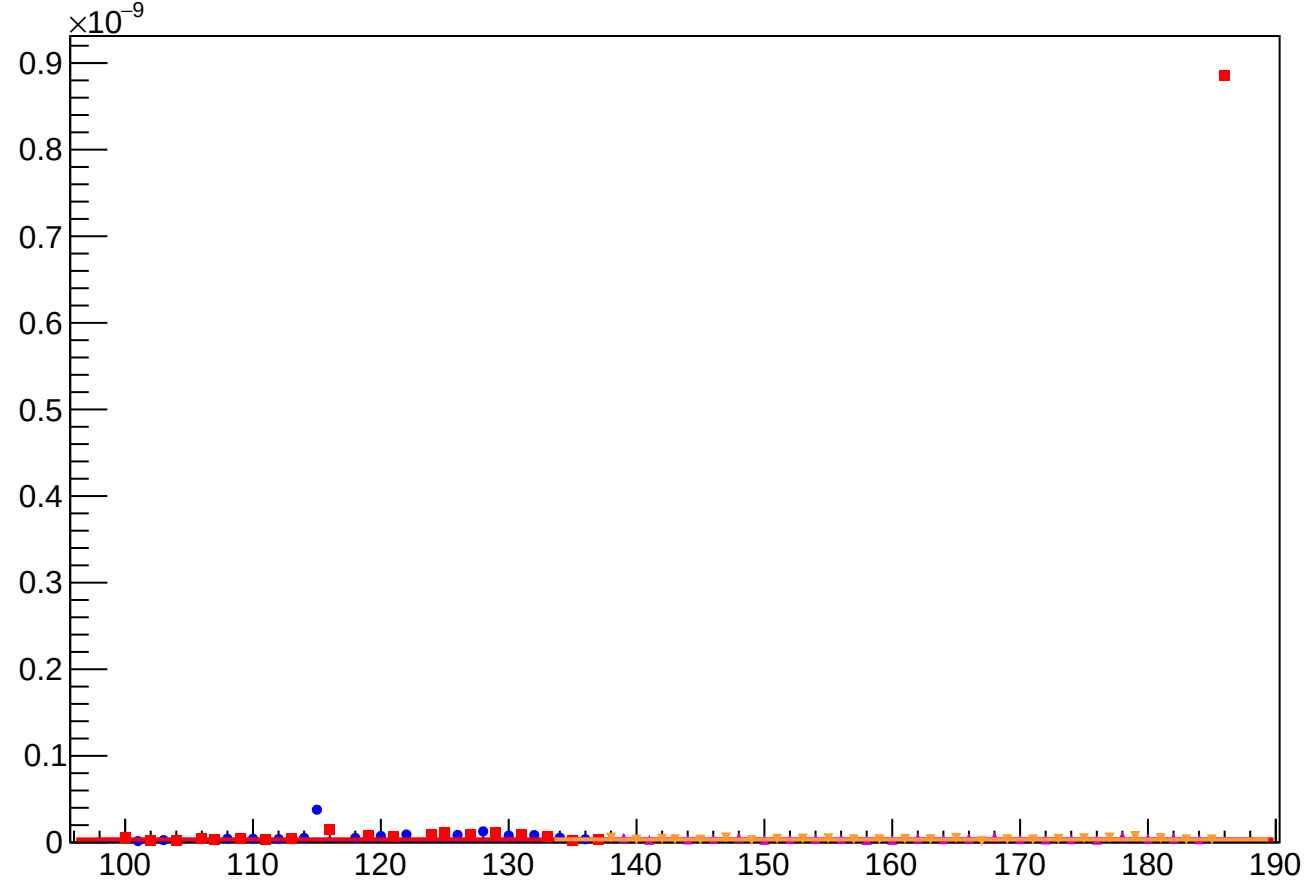
Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/19

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.1/40

All: -0.000+/-0.000 χ^2/NDF: 69.6/83

- sign -0.000+/-0.000 χ^2/NDF: 40.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3044942.6/19

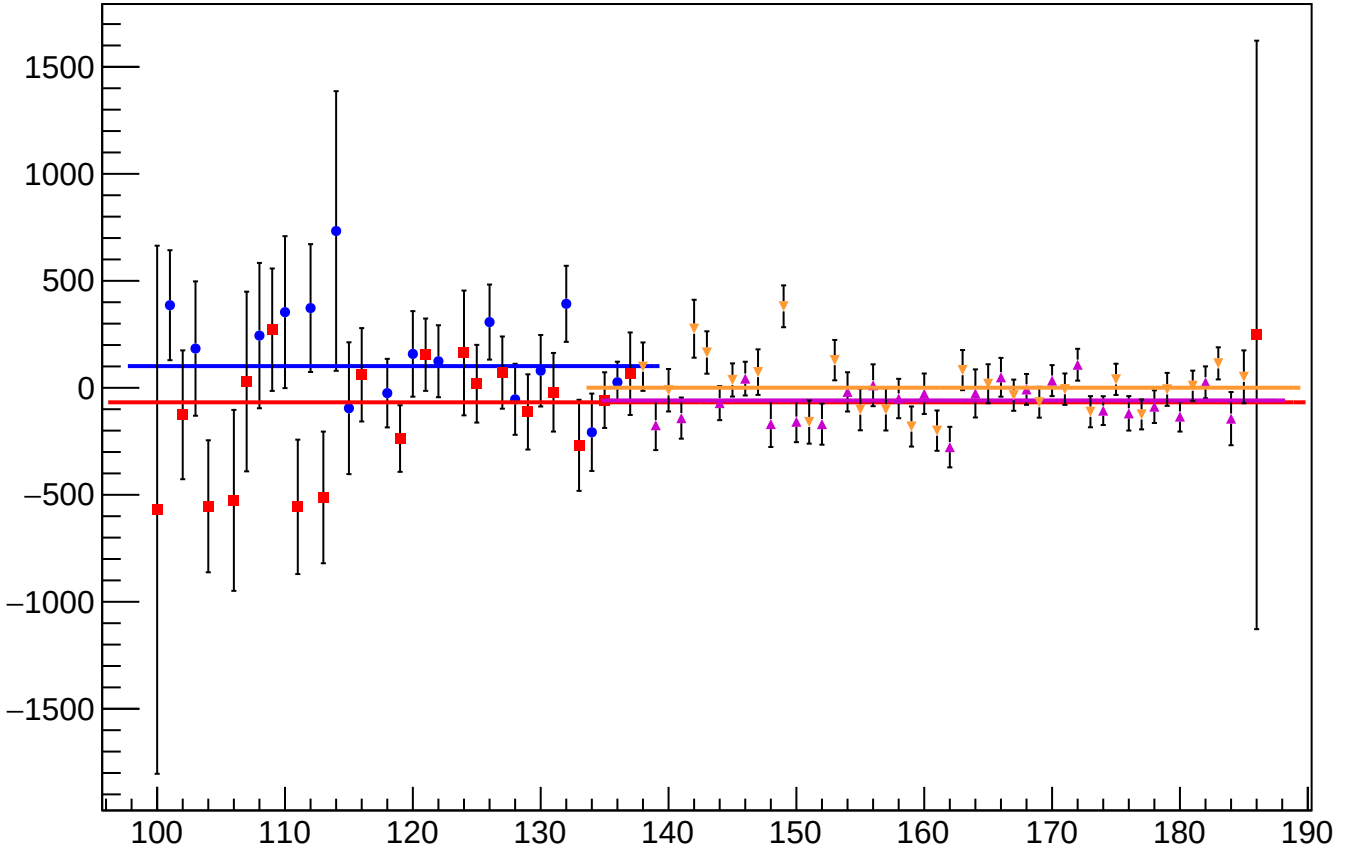
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5593813.0/40

All: 0.000+/-0.000 χ^2/NDF: 10097415.8/83

- sign 0.000+/-0.000 χ^2/NDF: 4311512.1/42

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -67.702+/-49.296 χ^2/NDF: 16.2/19

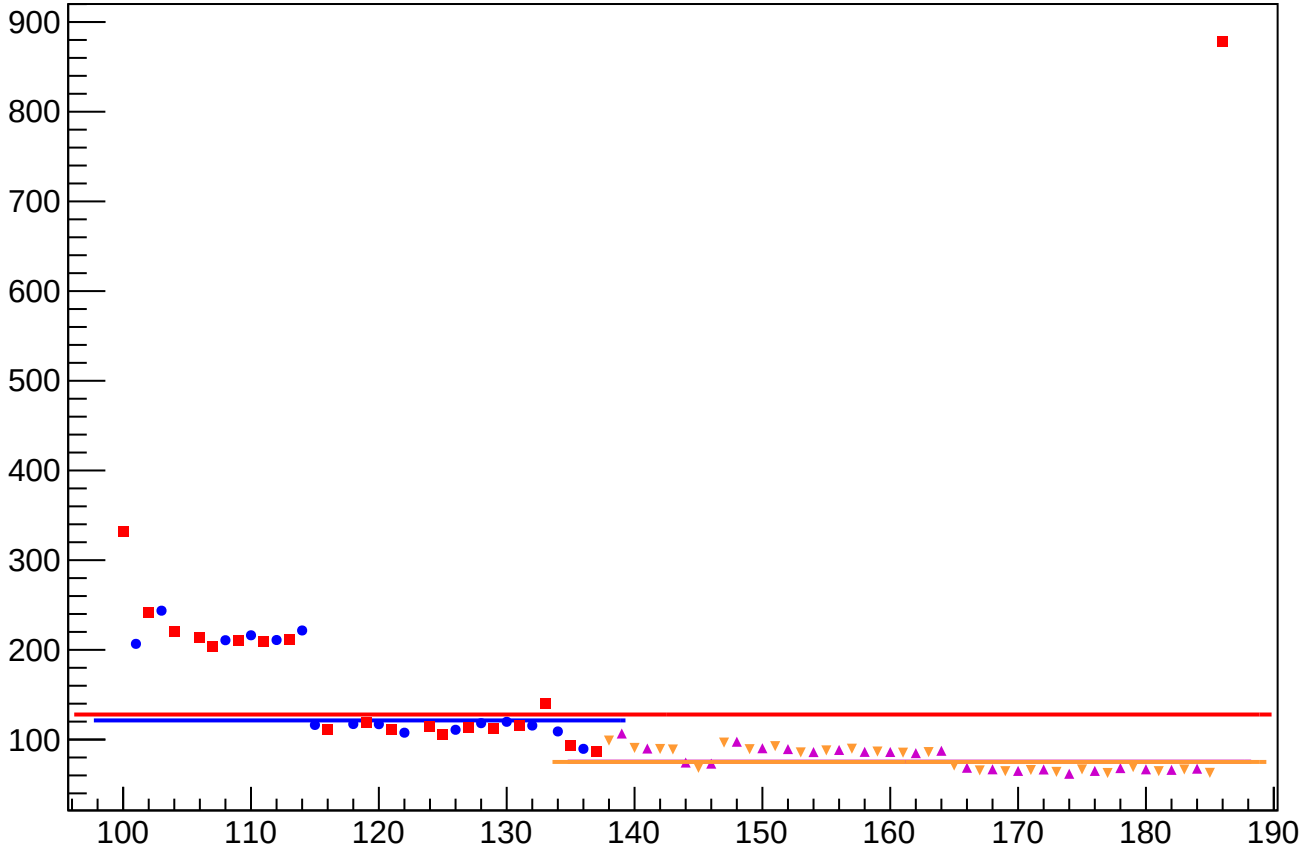
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 12.376+/-16.277 χ^2/NDF: 65.9/40

All: -22.616+/-11.693 χ^2/NDF: 117.5/83

- sign -59.929+/-16.808 χ^2/NDF: 42.0/42

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

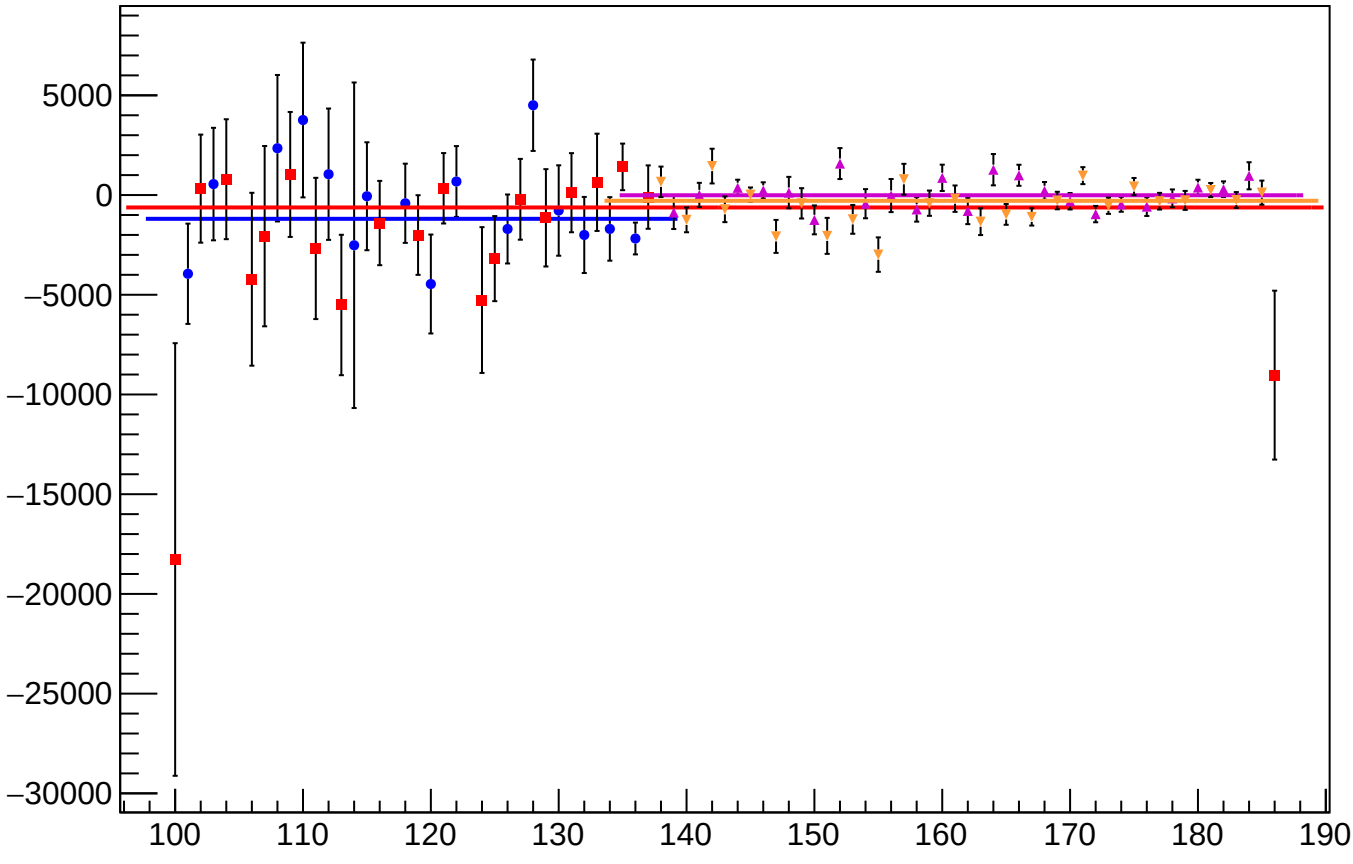
Right Out: 127.910+/-0.035 χ^2/NDF: 2067812.1/19

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.446+/-0.012 χ^2/NDF: 3882741.5/40

All: 80.938+/-0.008 χ^2/NDF: 8801147.8/83

- sign 81.462+/-0.012 χ^2/NDF: 4914636.6/42



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -622.285+/-517.839 χ^2/NDF: 17.9/19

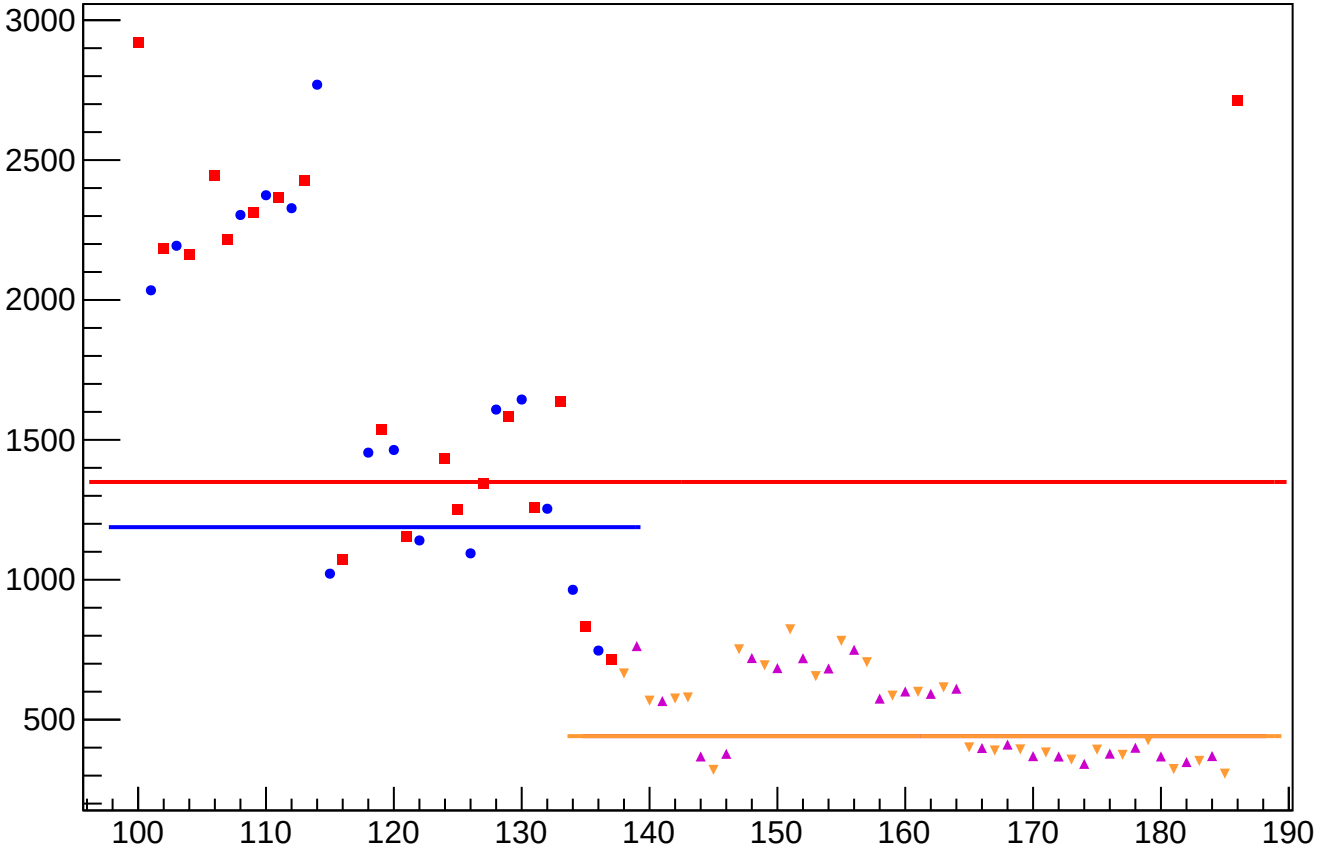
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

\+ sign -329.720+/-102.779 χ^2/NDF: 72.6/40

All: -186.573+/-73.590 χ^2/NDF: 129.2/83

\- sign -35.989+/-105.415 χ^2/NDF: 52.6/42

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1349.501+/-0.366 χ^2/NDF: 2167925.0/19

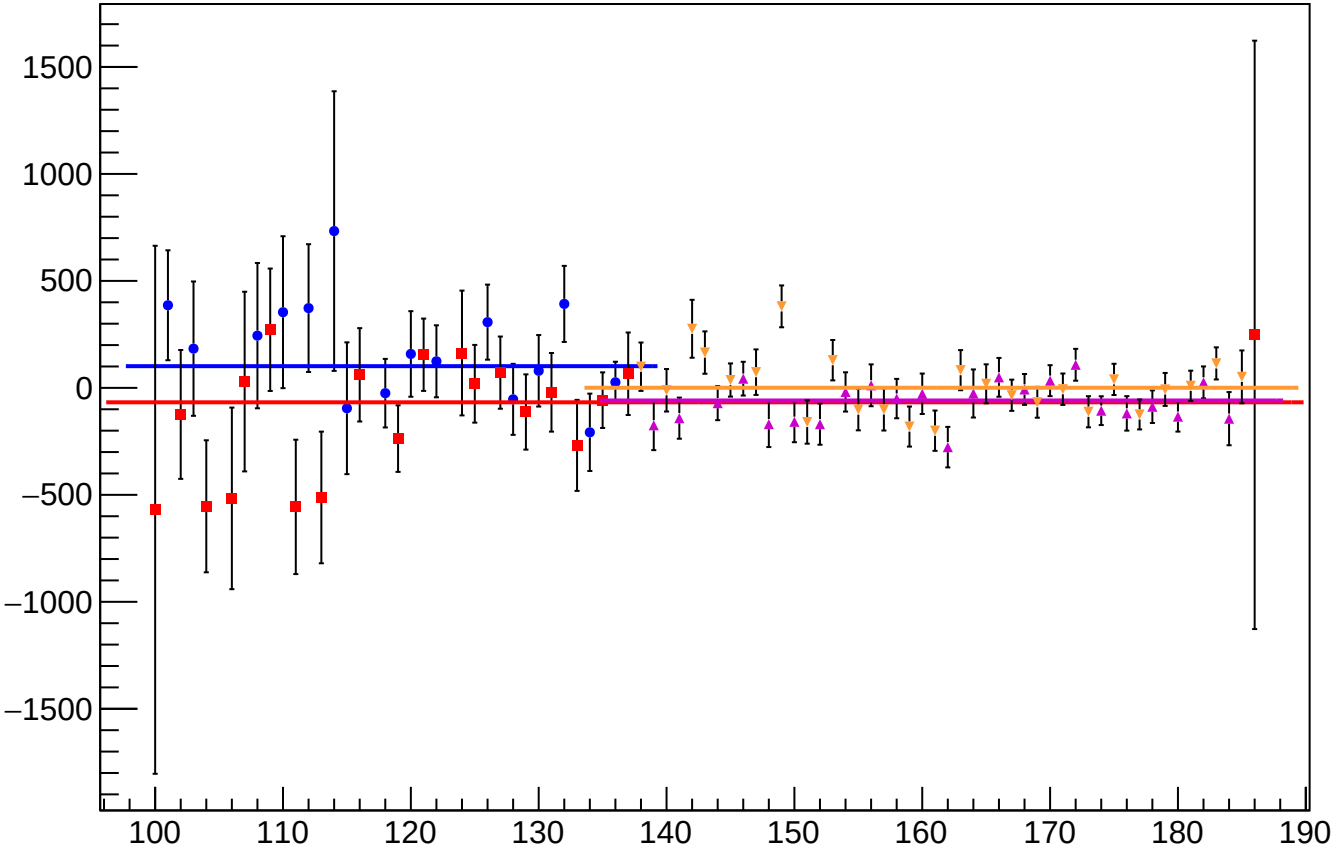
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 475.531+/-0.073 χ^2/NDF: 9920359.0/40

All: 477.142+/-0.052 χ^2/NDF: 20669627.5/83

- sign 478.836+/-0.075 χ^2/NDF: 10748260.9/42

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -67.476+/-49.299 χ^2/NDF: 16.1/19

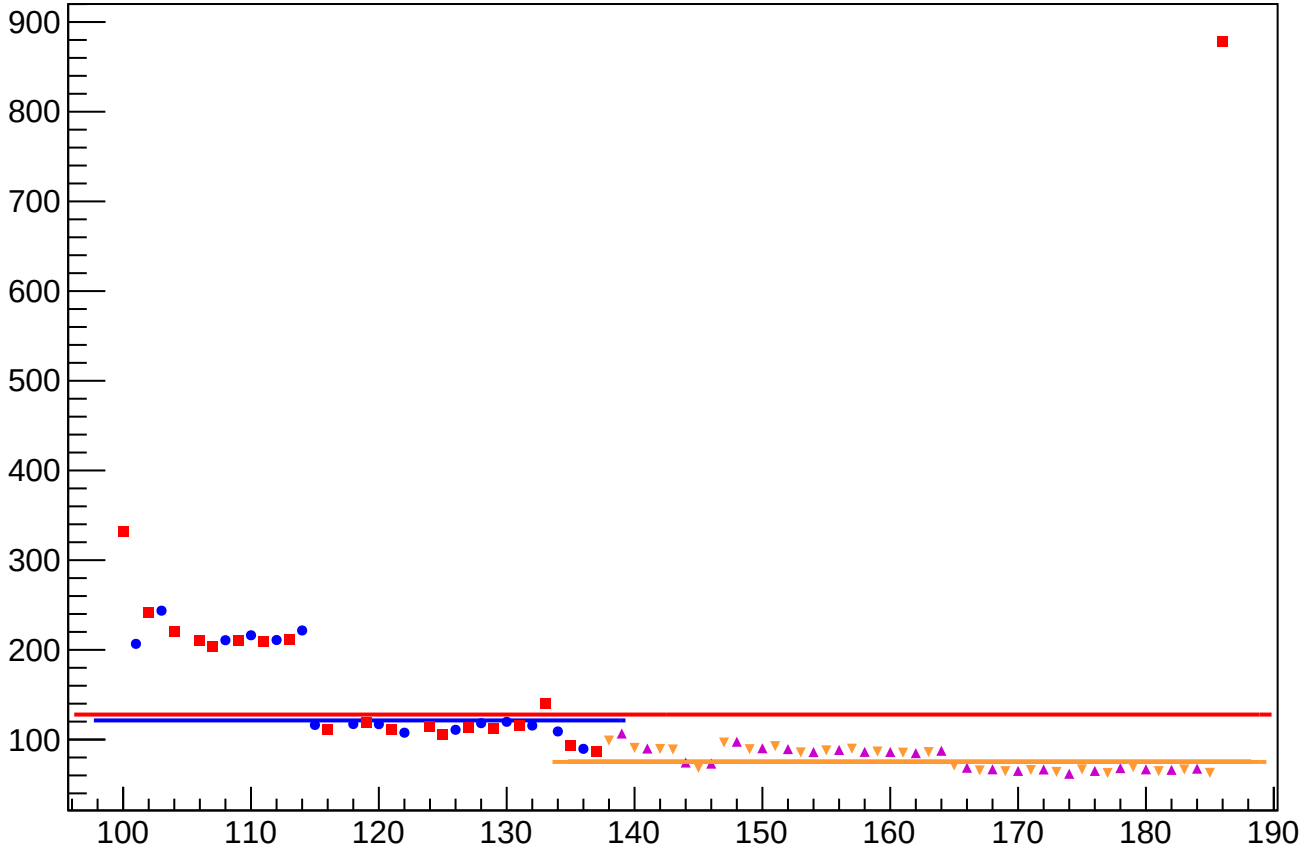
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.375+/-16.277 χ^2/NDF: 65.9/40

All: -22.603+/-11.693 χ^2/NDF: 117.4/83

- sign -59.900+/-16.808 χ^2/NDF: 42.0/42

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

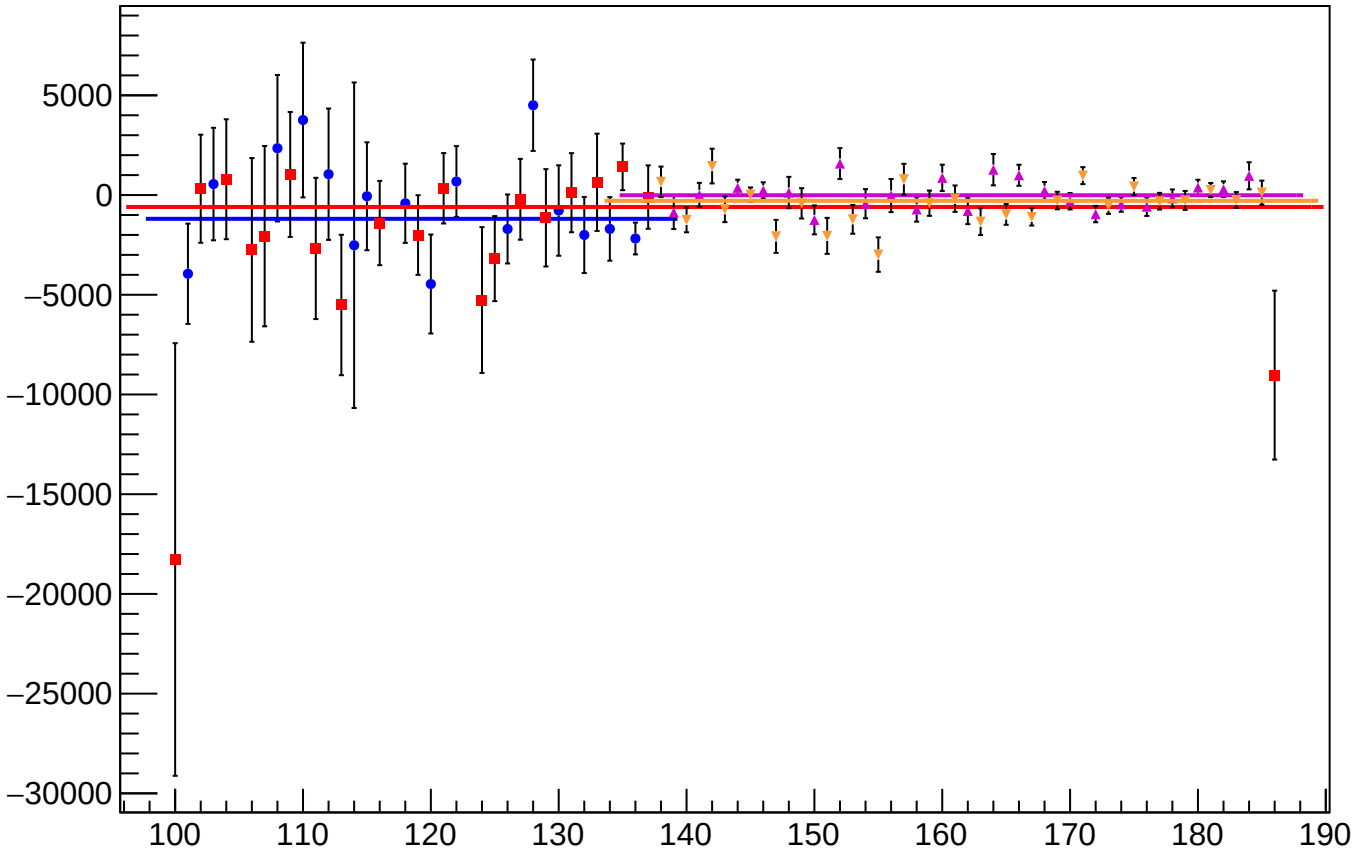
Right Out: 127.860+/-0.035 χ^2/NDF: 2061777.9/19

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.446+/-0.012 χ^2/NDF: 3882743.4/40

All: 80.935+/-0.008 χ^2/NDF: 8791038.4/83

- sign 81.456+/-0.012 χ^2/NDF: 4904573.1/42



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -597.976+/-518.277 χ^2/NDF: 17.4/19

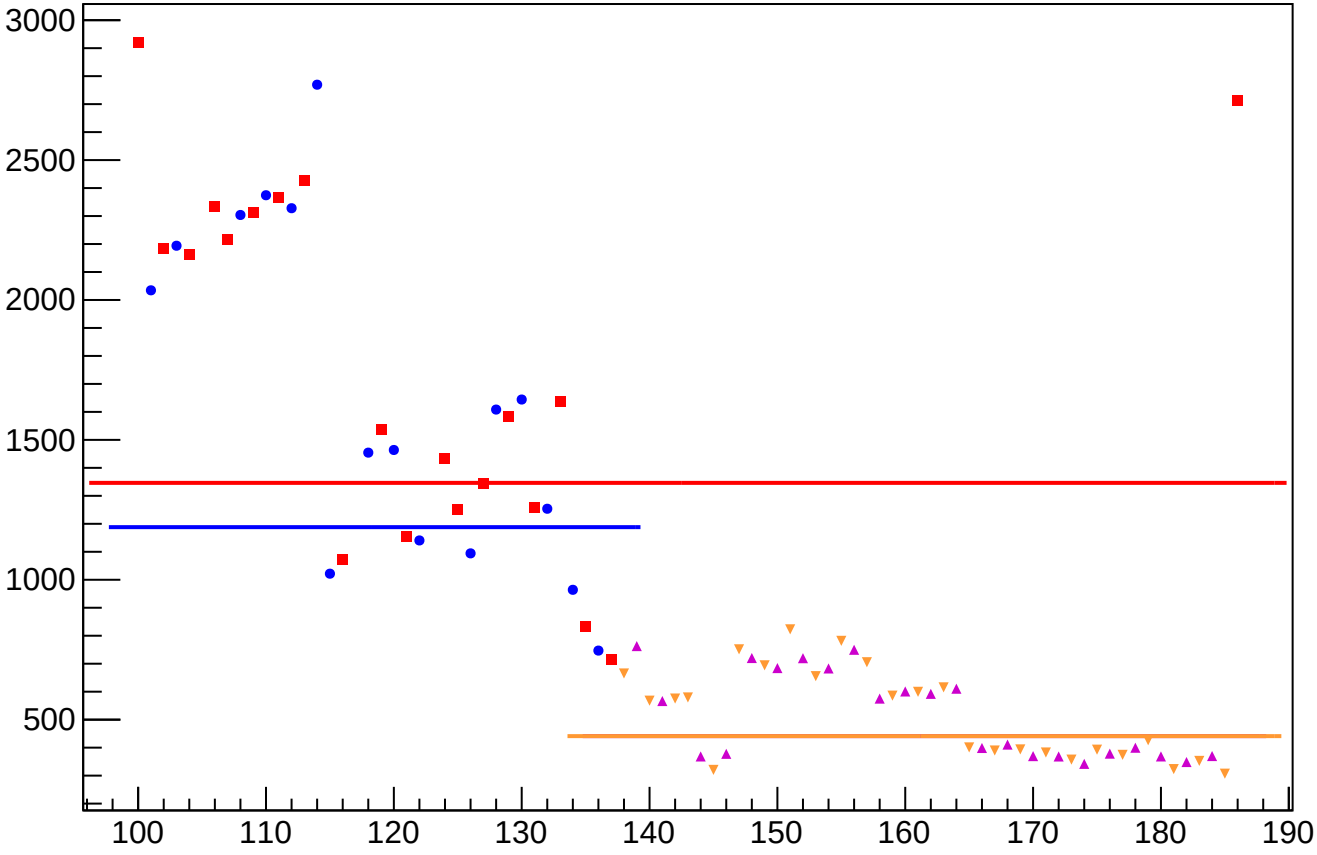
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

\+ sign -329.718+/-102.779 χ^2/NDF: 72.6/40

All: -186.067+/-73.591 χ^2/NDF: 128.7/83

\- sign -34.944+/-105.419 χ^2/NDF: 52.0/42

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1346.333+/-0.366 χ^2/NDF: 2132136.5/19

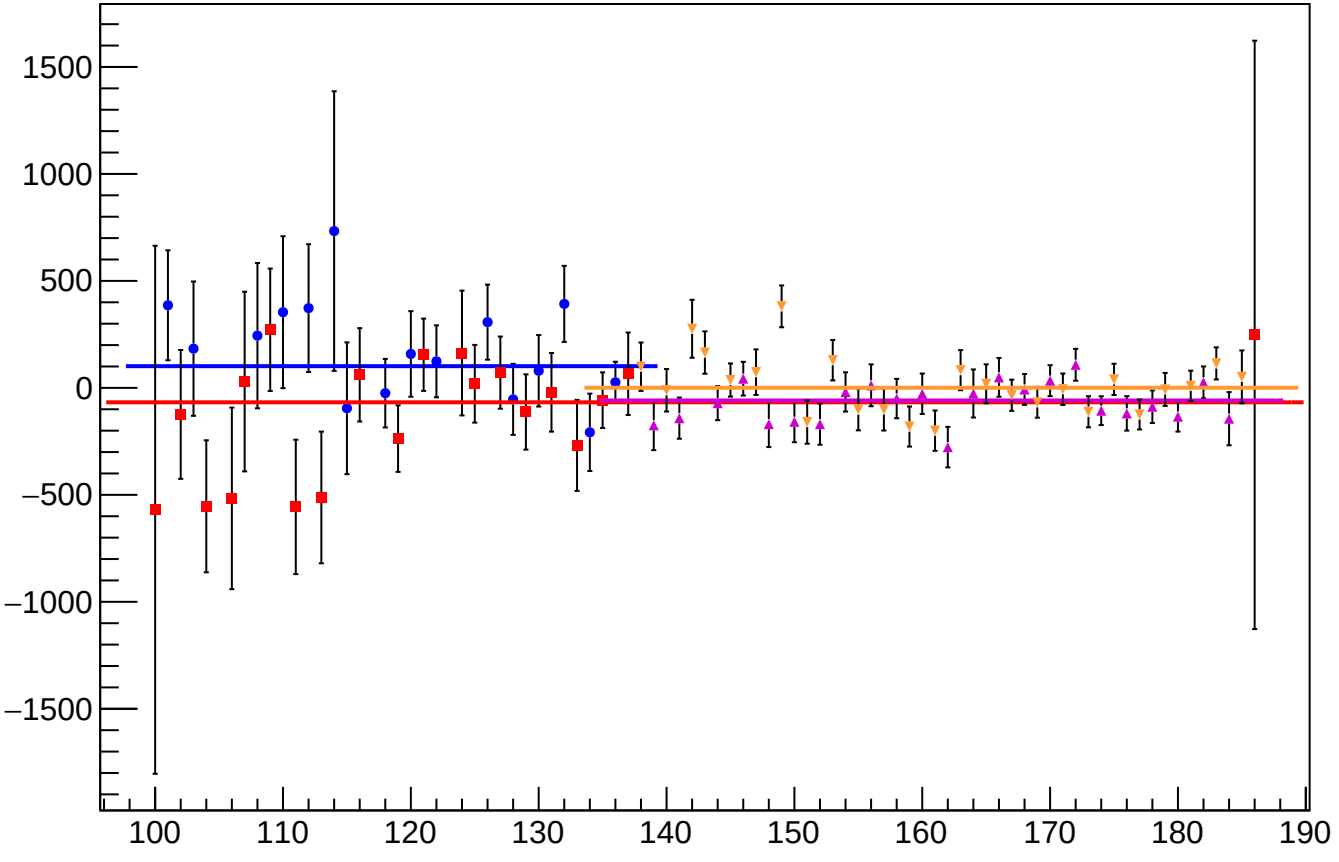
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 475.531+/-0.073 χ^2/NDF: 9920366.7/40

All: 477.048+/-0.052 χ^2/NDF: 20583172.3/83

- sign 478.644+/-0.075 χ^2/NDF: 10661911.6/42

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -67.476+/-49.299 χ^2/NDF: 16.1/19

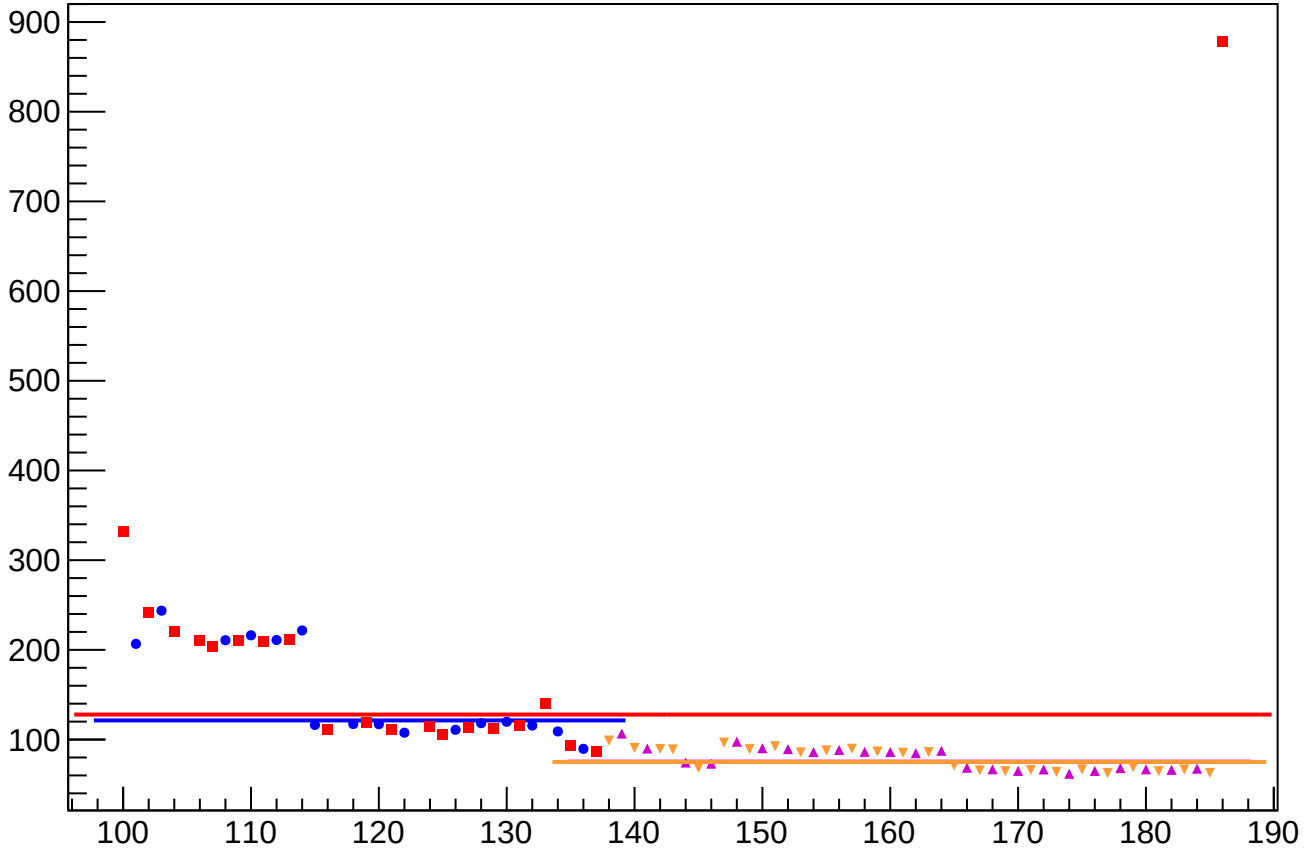
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.375+/-16.277 χ^2/NDF: 65.9/40

All: -22.603+/-11.693 χ^2/NDF: 117.4/83

- sign -59.900+/-16.808 χ^2/NDF: 42.0/42

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

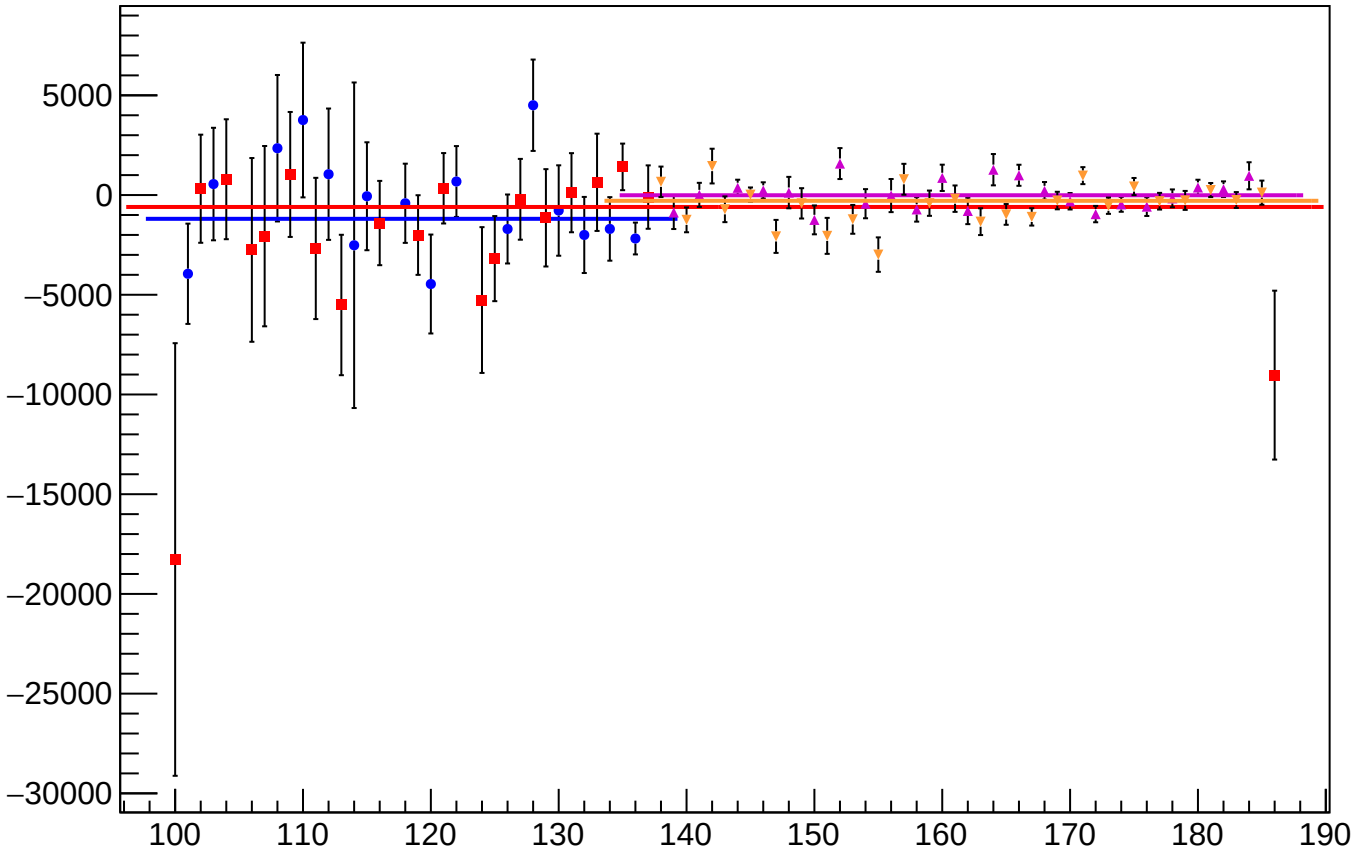
Right Out: 127.860+/-0.035 χ^2/NDF: 2061777.9/19

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

\+ sign 80.446+/-0.012 χ^2/NDF: 3882743.4/40

All: 80.935+/-0.008 χ^2/NDF: 8791038.4/83

\- sign 81.456+/-0.012 χ^2/NDF: 4904573.1/42



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -597.976+/-518.277 χ^2/NDF: 17.4/19

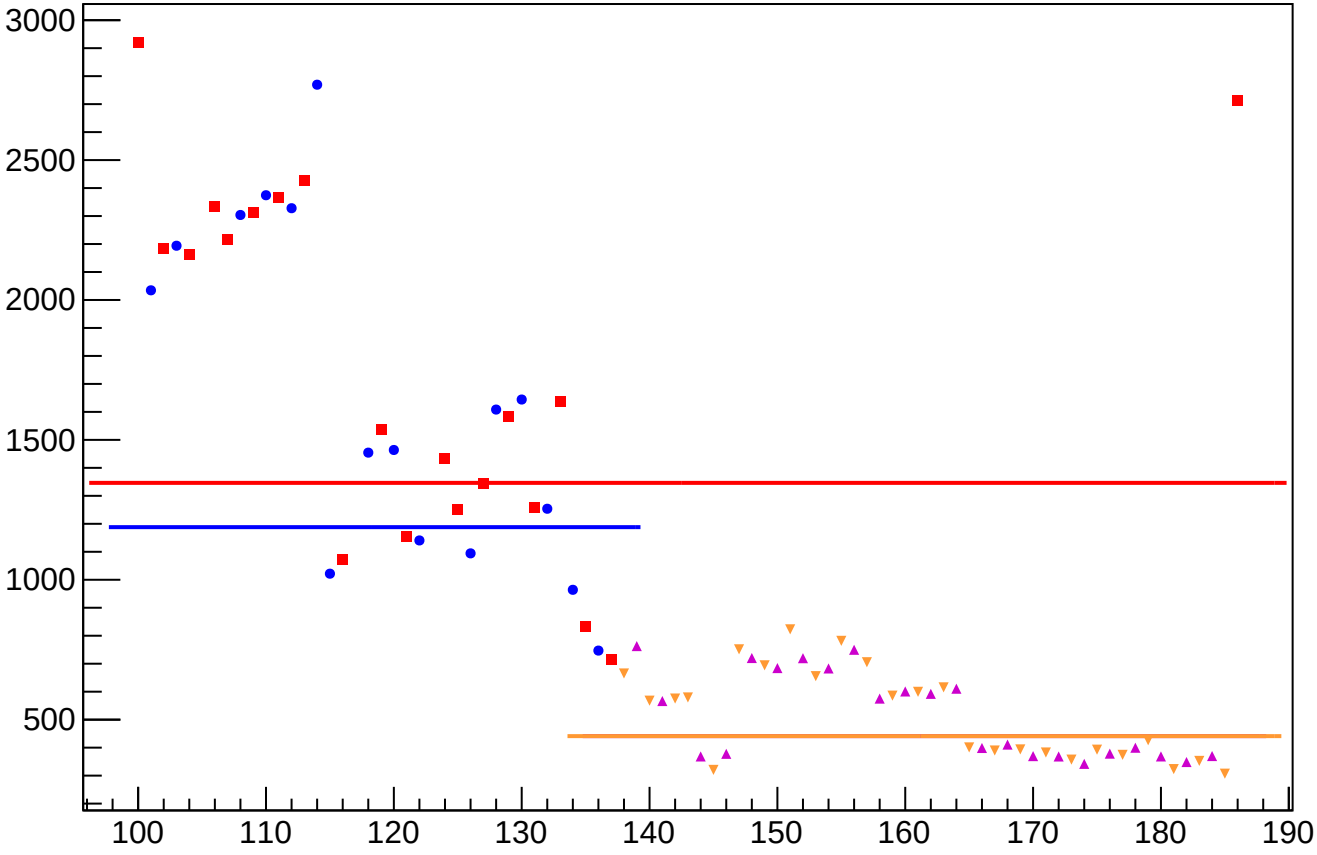
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -329.718+/-102.779 χ^2/NDF: 72.6/40

All: -186.067+/-73.591 χ^2/NDF: 128.7/83

- sign -34.944+/-105.419 χ^2/NDF: 52.0/42

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1346.333+/-0.366 χ^2/NDF: 2132136.5/19

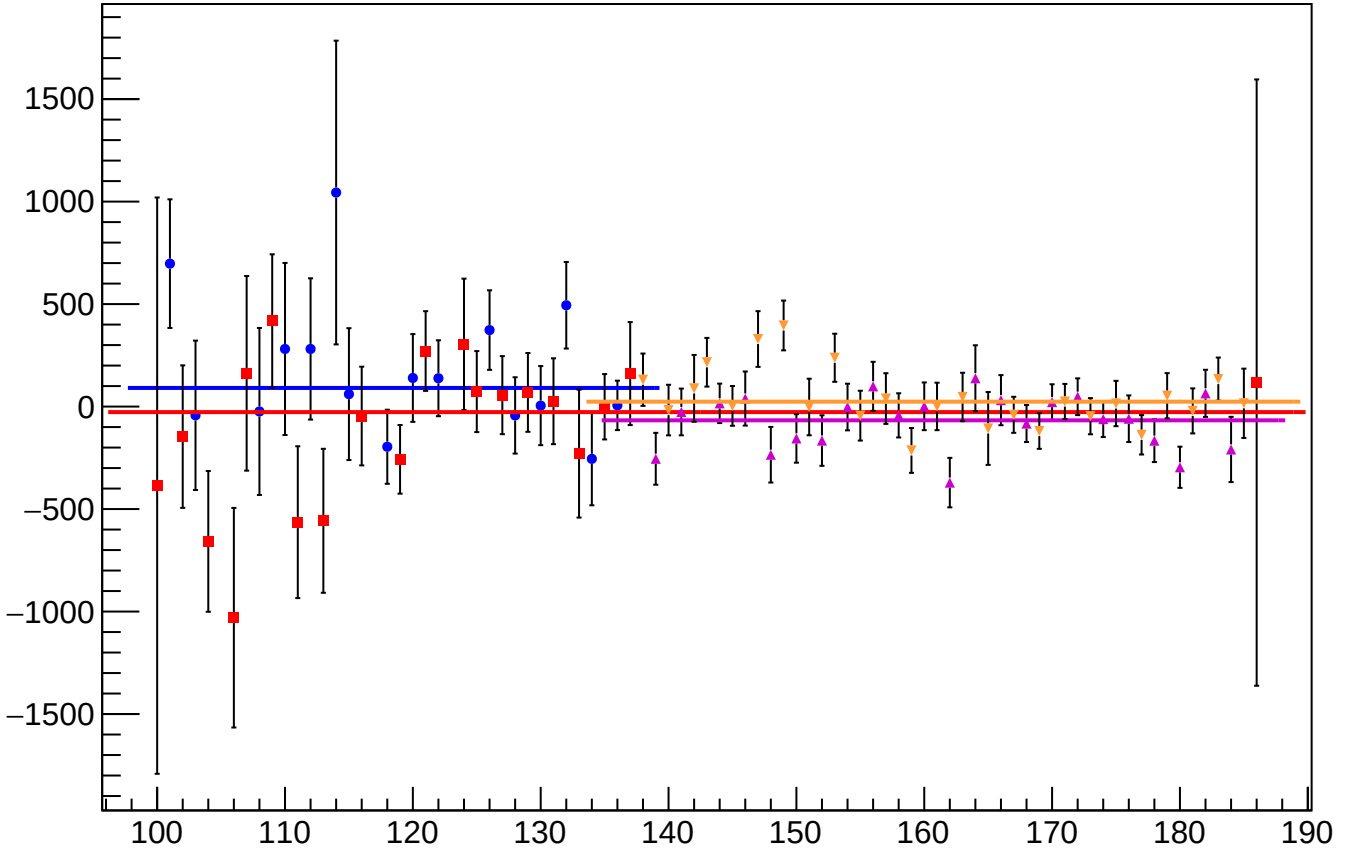
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 475.531+/-0.073 χ^2/NDF: 9920366.7/40

All: 477.048+/-0.052 χ^2/NDF: 20583172.3/83

- sign 478.644+/-0.075 χ^2/NDF: 10661911.6/42

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -26.956+/-56.973 χ^2/NDF: 20.6/19

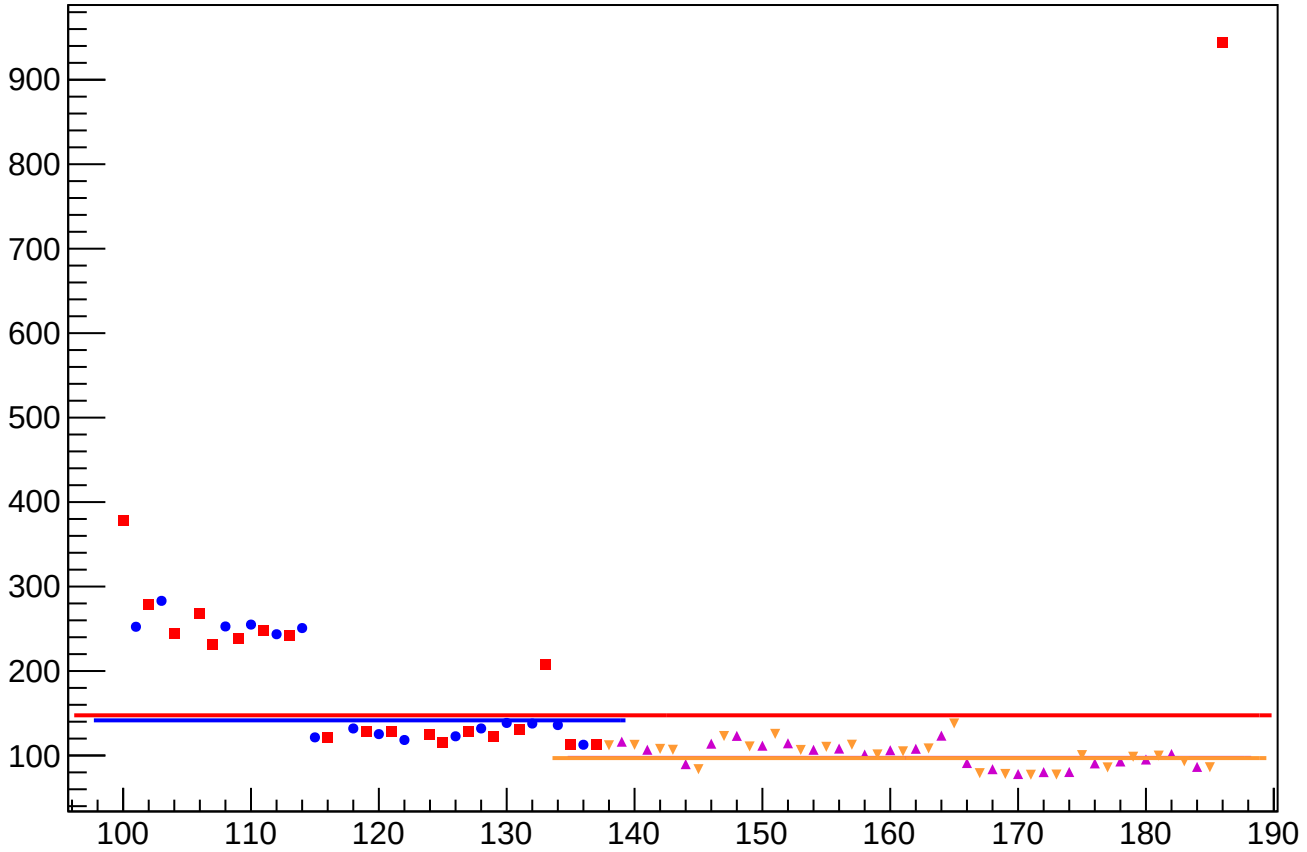
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 33.255+/-20.787 χ^2/NDF: 54.5/40

All: -12.649+/-14.919 χ^2/NDF: 114.2/83

- sign -61.411+/-21.424 χ^2/NDF: 49.6/42

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

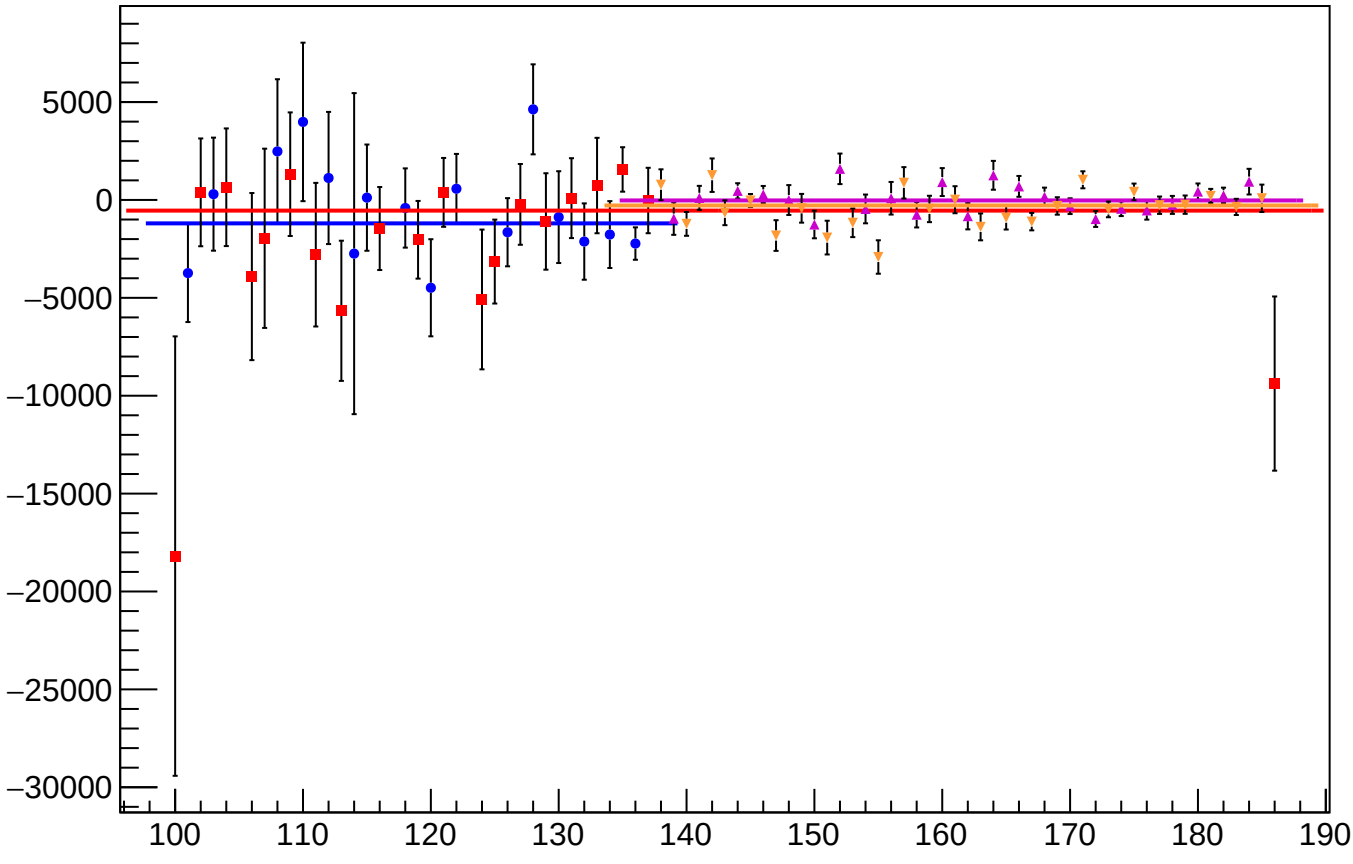
Right Out: 147.552+/-0.040 χ^2/NDF: 2094552.0/19

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 103.160+/-0.015 χ^2/NDF: 3308502.5/40

All: 103.709+/-0.011 χ^2/NDF: 7423534.8/83

- sign 104.292+/-0.015 χ^2/NDF: 4112156.0/42



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -544.649+/-520.240 χ^2/NDF: 18.3/19

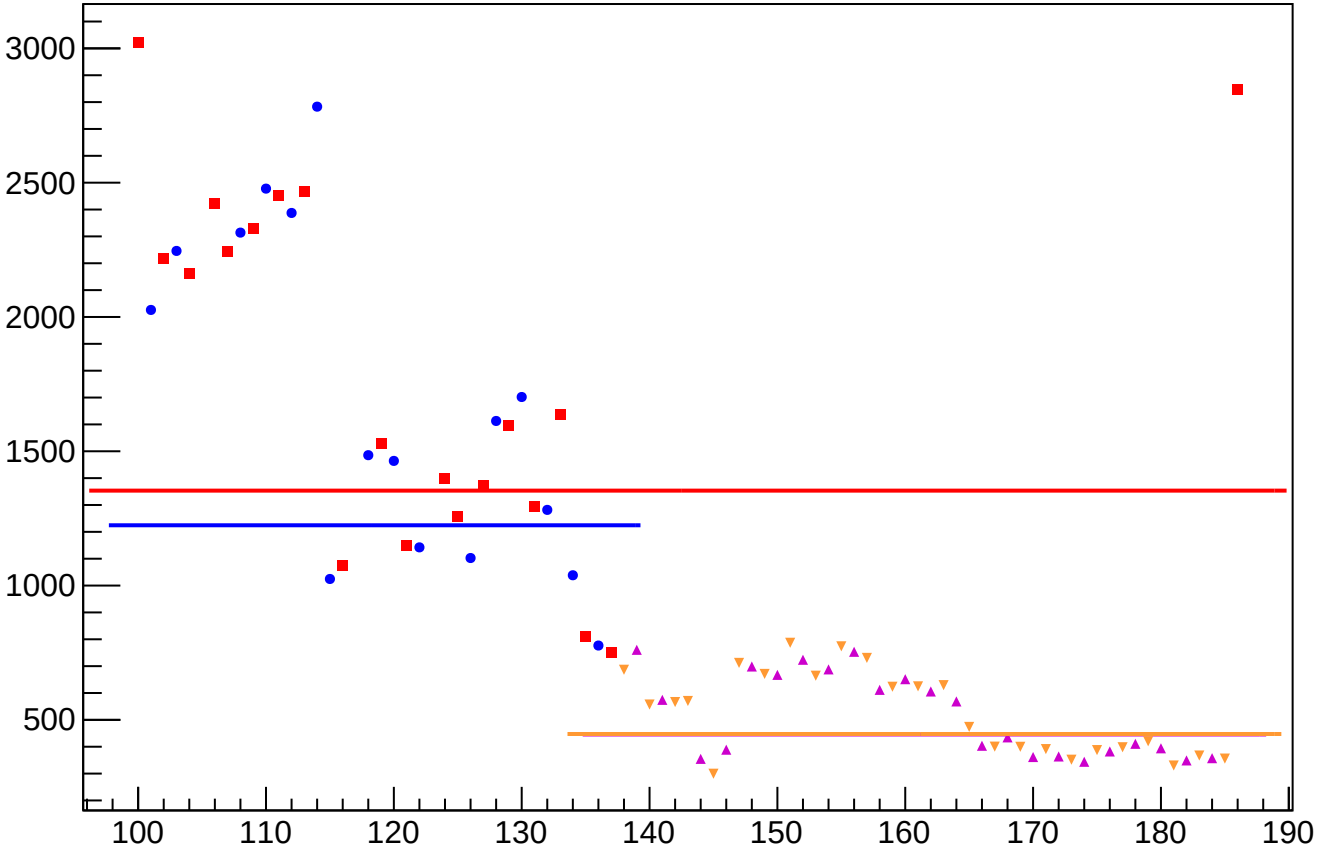
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -323.363+/-103.985 χ^2/NDF: 69.7/40

All: -188.311+/-74.427 χ^2/NDF: 125.3/83

- sign -46.449+/-106.574 χ^2/NDF: 52.2/42

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1353.492+/-0.368 χ^2/NDF: 2223352.2/19

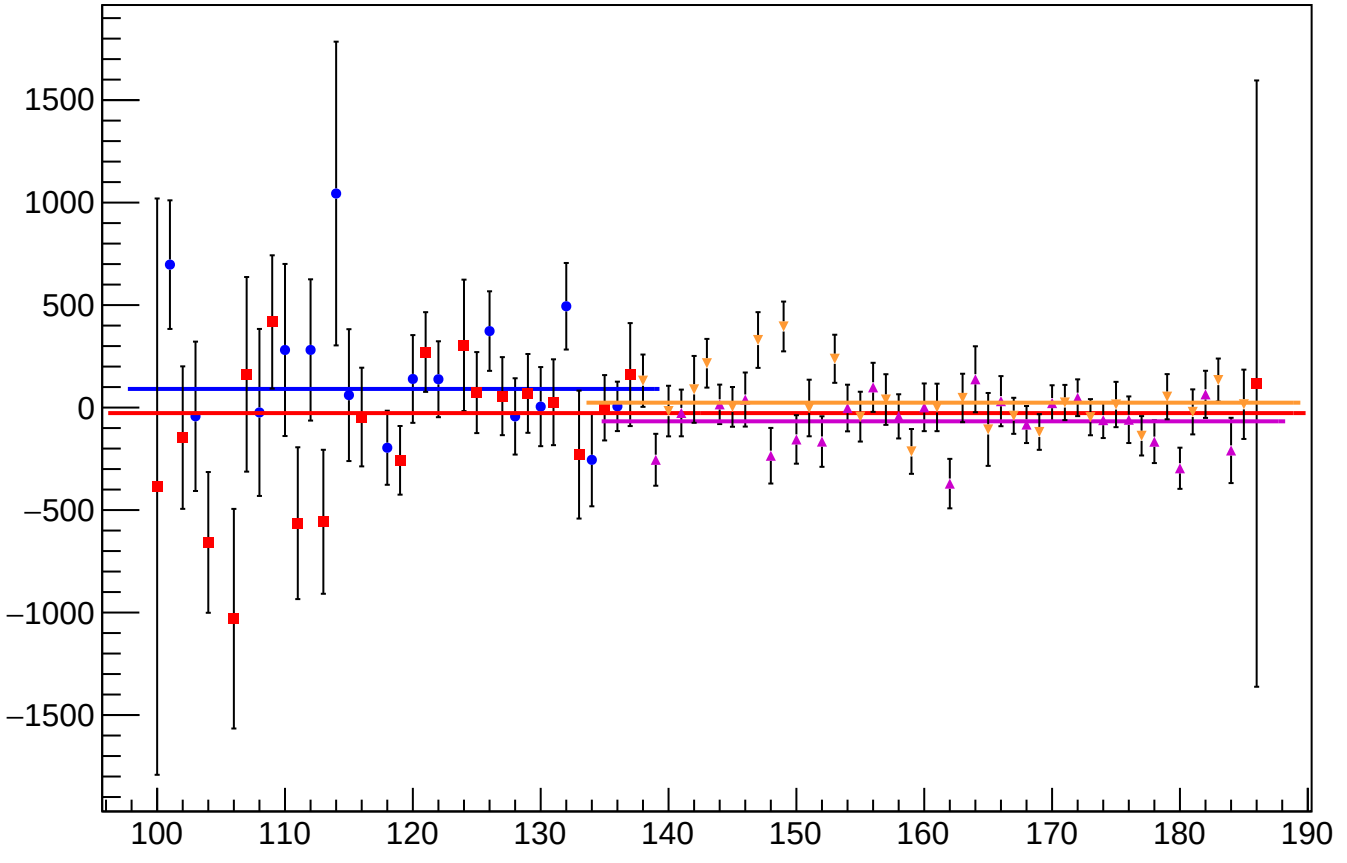
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 482.185+/-0.074 χ^2/NDF: 9934925.4/40

All: 482.873+/-0.053 χ^2/NDF: 20708556.9/83

- sign 483.596+/-0.075 χ^2/NDF: 10773451.6/42

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -26.957+/-56.973 χ^2/NDF: 20.6/19

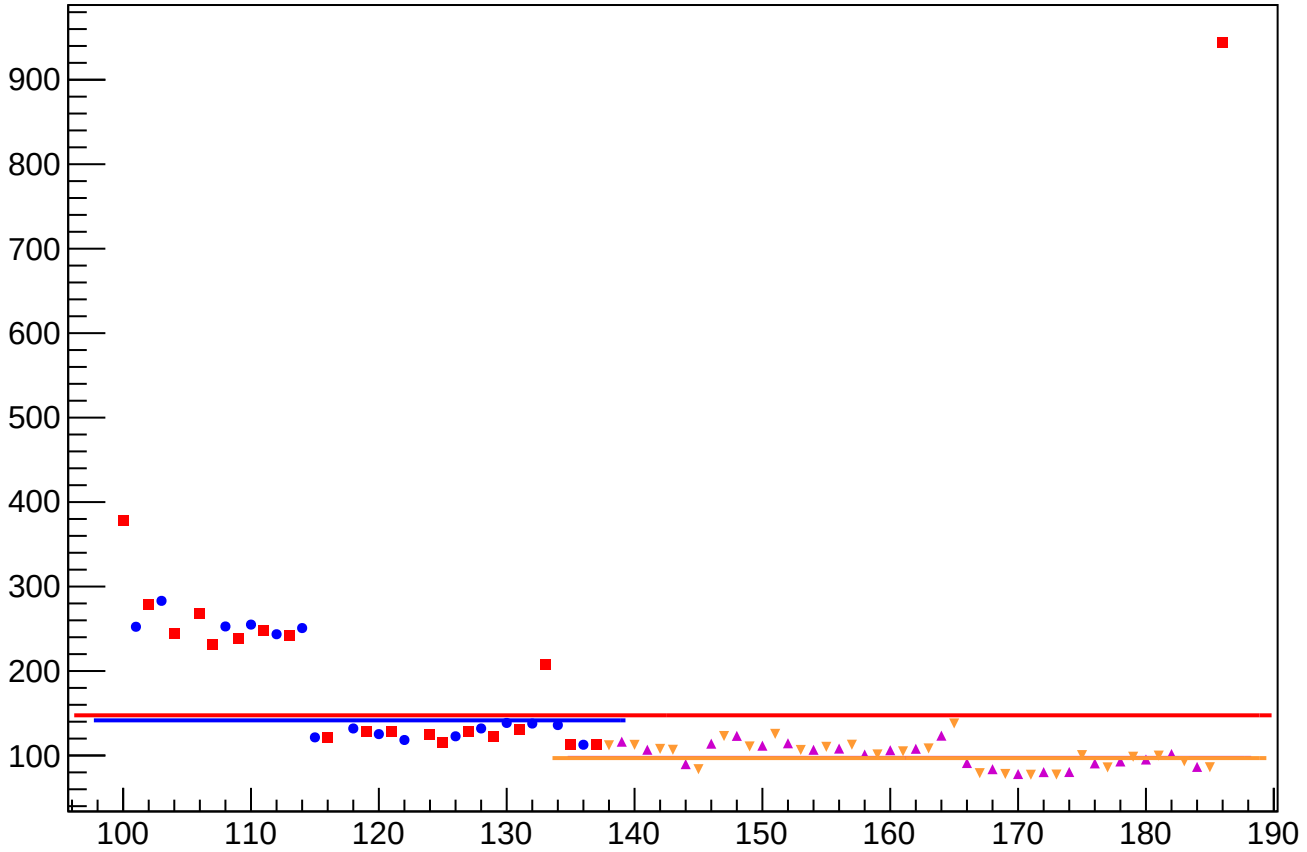
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 33.254+/-20.787 χ^2/NDF: 54.5/40

All: -12.649+/-14.919 χ^2/NDF: 114.2/83

- sign -61.411+/-21.424 χ^2/NDF: 49.6/42

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

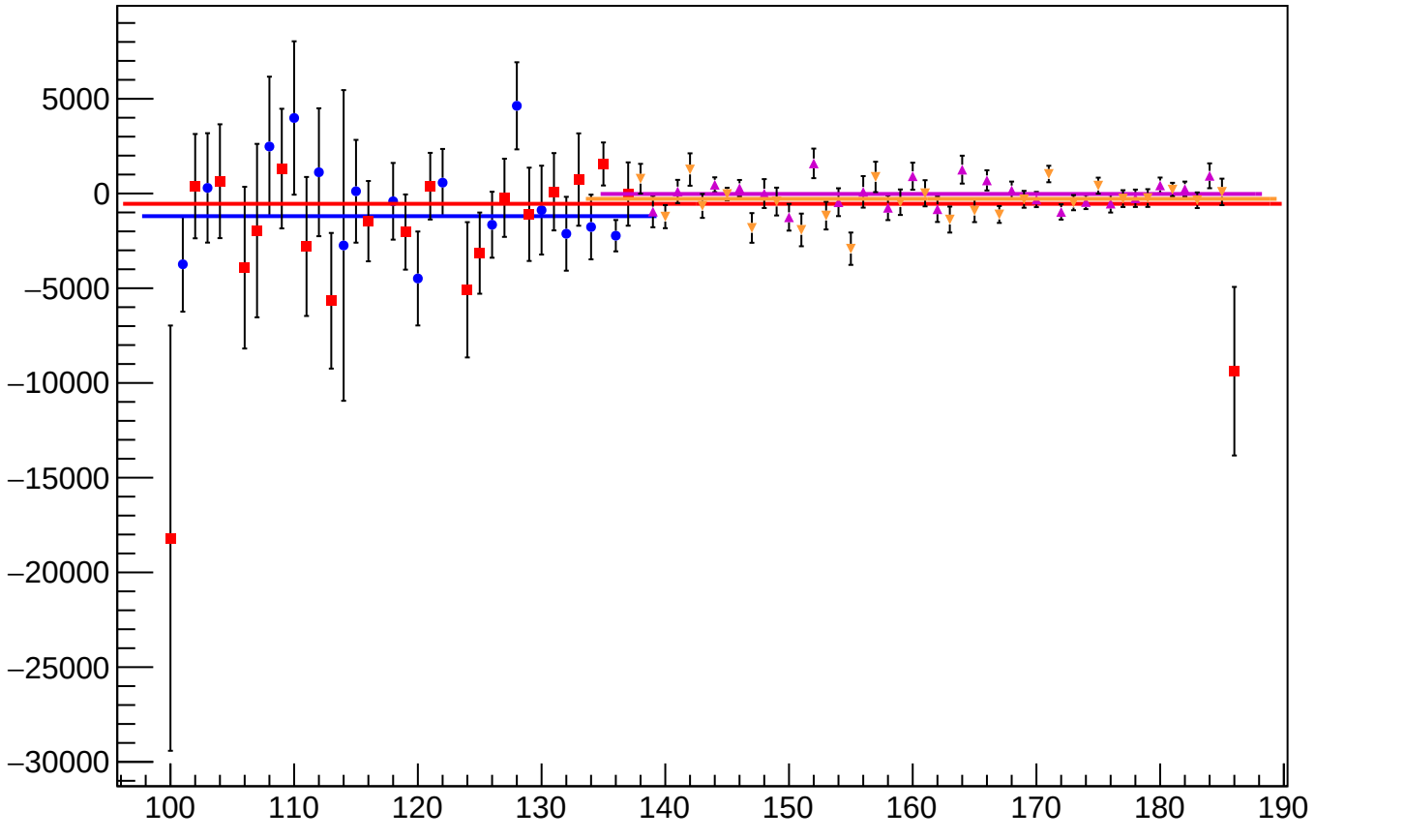
Right Out: 147.552+/-0.040 χ^2/NDF: 2094537.9/19

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 103.160+/-0.015 χ^2/NDF: 3308446.4/40

All: 103.709+/-0.011 χ^2/NDF: 7423421.9/83

- sign 104.292+/-0.015 χ^2/NDF: 4112098.7/42



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: -544.651+/-520.240 χ^2/NDF: 18.3/19

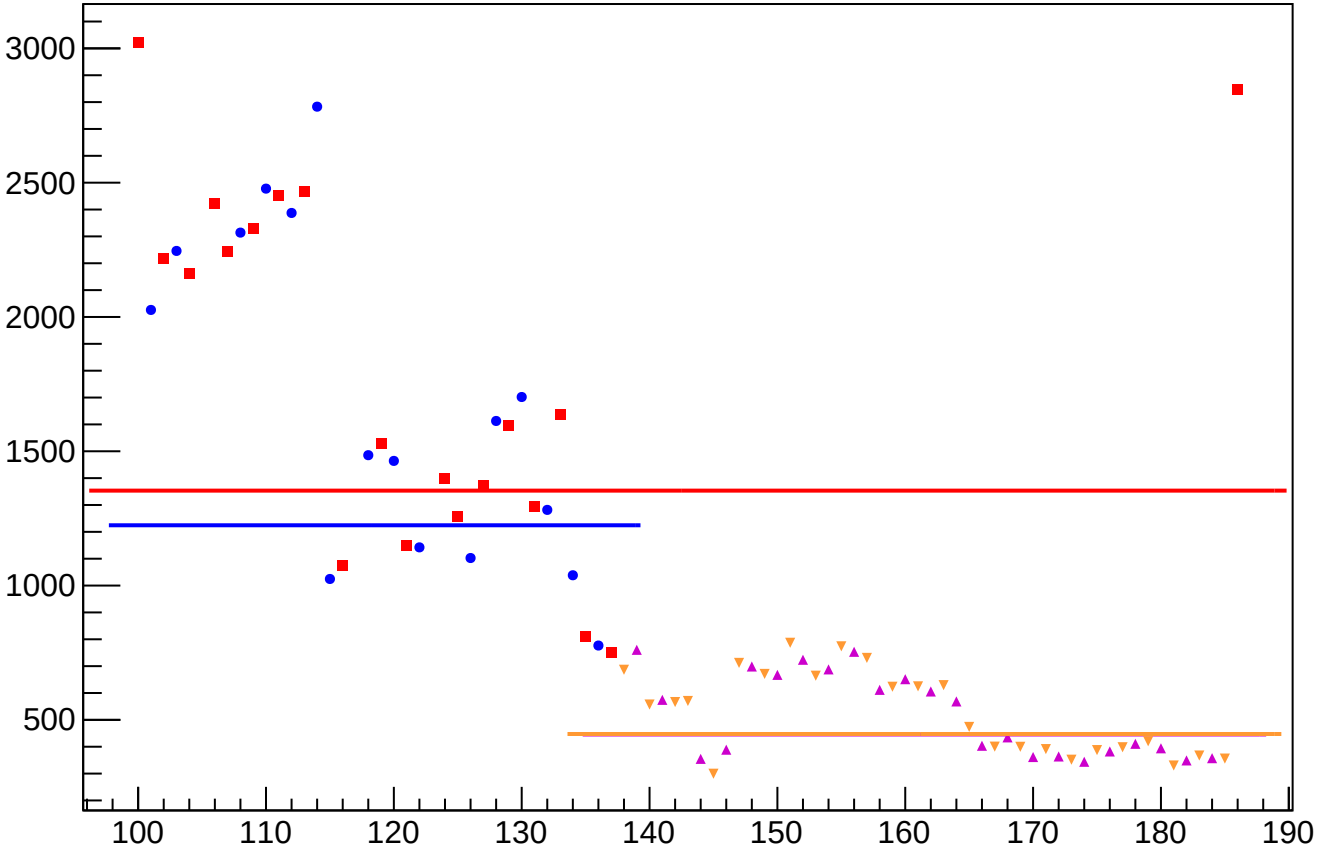
Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -323.362+/-103.985 χ^2/NDF: 69.7/40

All: -188.311+/-74.427 χ^2/NDF: 125.3/83

- sign -46.449+/-106.574 χ^2/NDF: 52.2/42

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1353.491+/-0.368 χ^2/NDF: 2223335.1/19

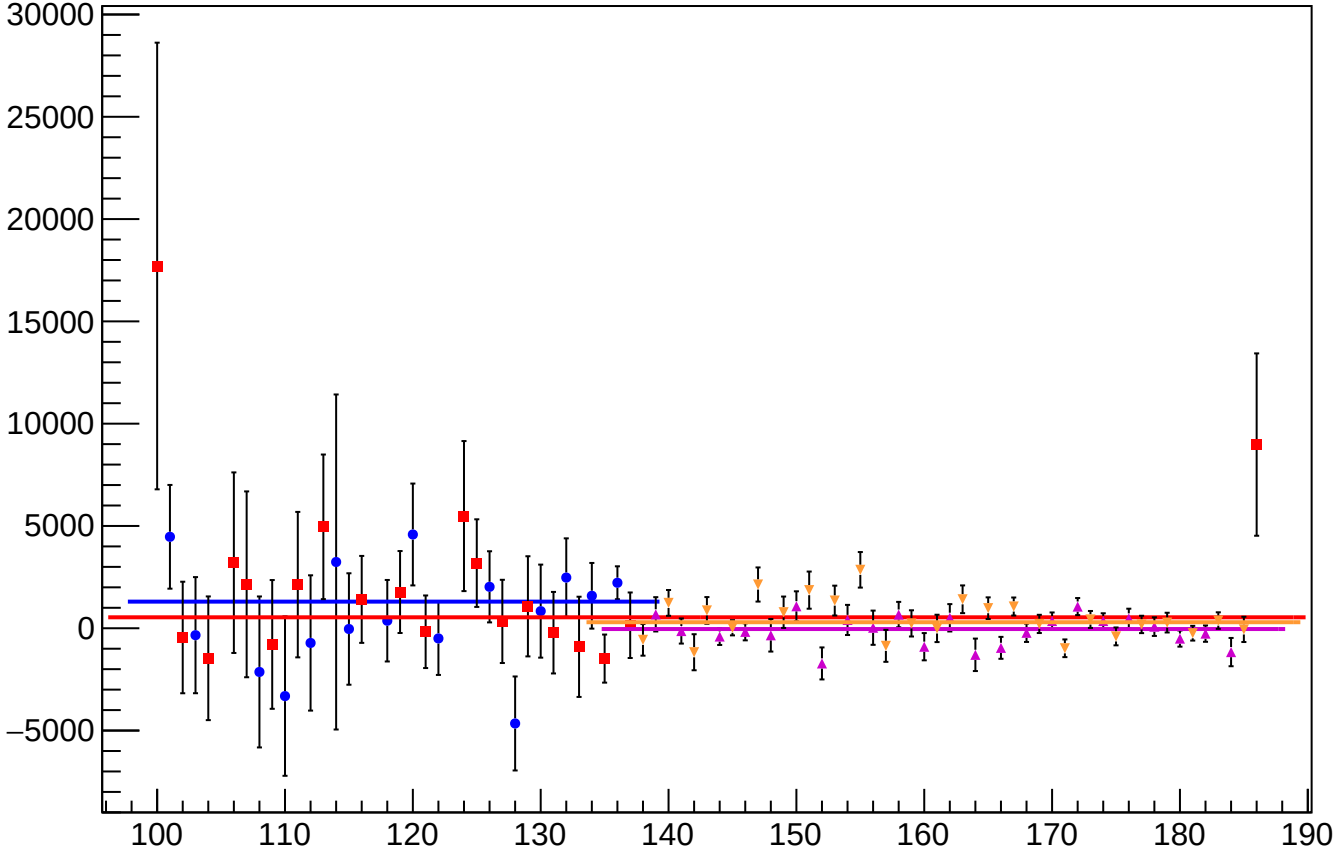
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 482.184+/-0.074 χ^2/NDF: 9934936.8/40

All: 482.873+/-0.053 χ^2/NDF: 20708568.3/83

- sign 483.596+/-0.075 χ^2/NDF: 10773451.6/42

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 535.234+/-520.920 χ^2/NDF: 16.7/19

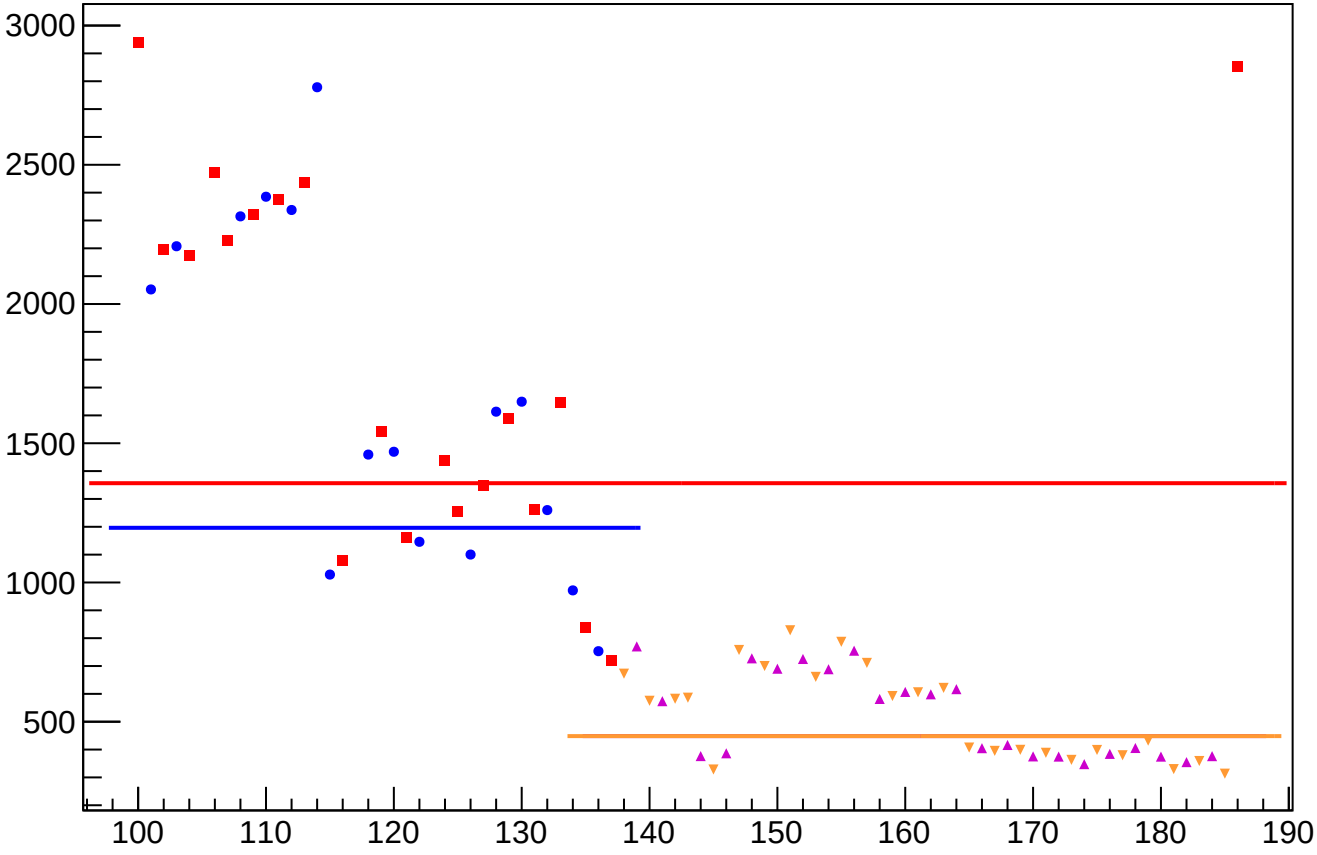
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 342.131+/-104.280 χ^2/NDF: 71.1/40

All: 168.663+/-74.675 χ^2/NDF: 127.6/83

- sign -13.923+/-106.985 χ^2/NDF: 50.8/42

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

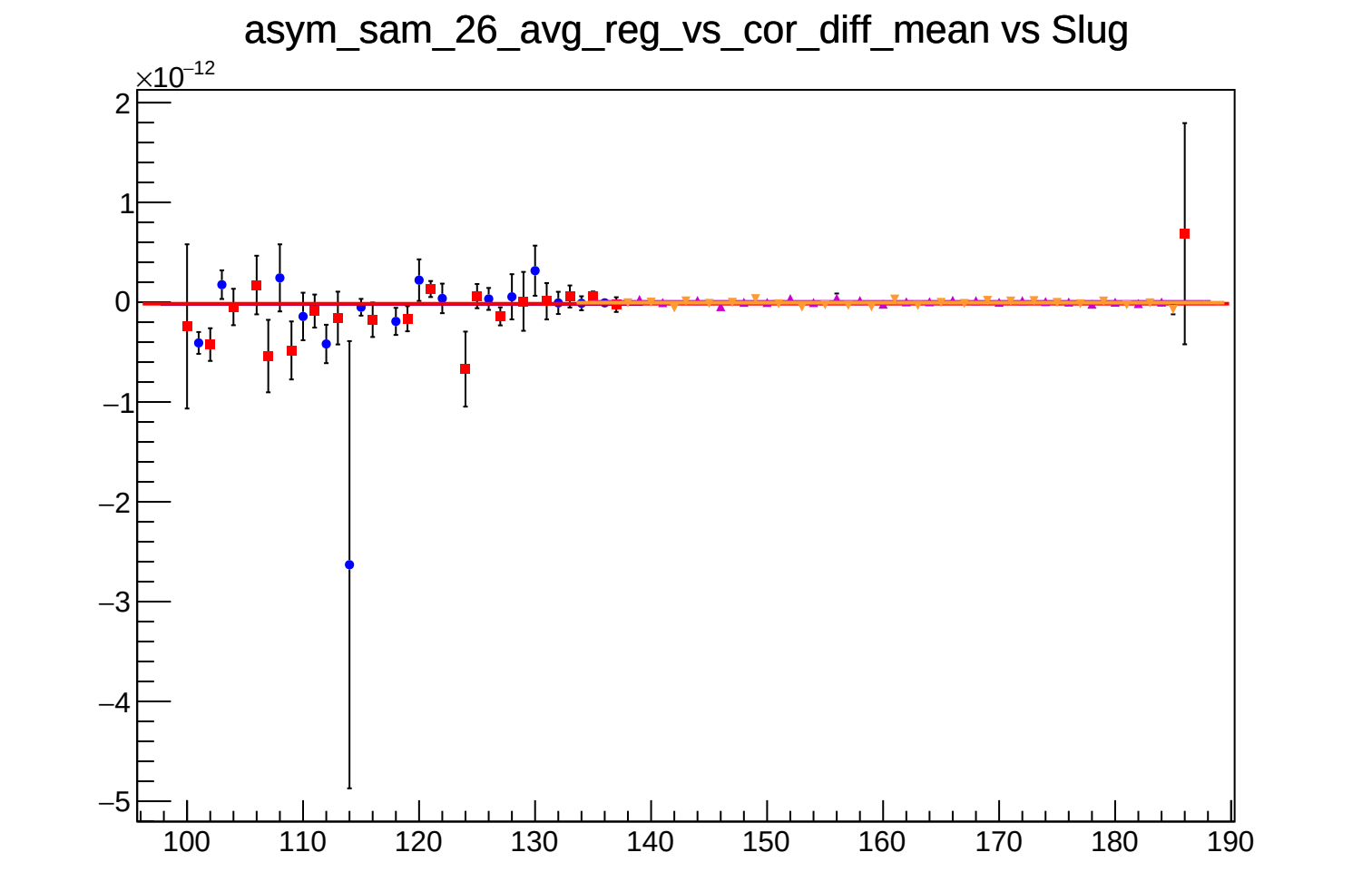
Right Out: 1356.554+/-0.368 χ^2/NDF: 2180471.0/19

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 483.299+/-0.074 χ^2/NDF: 9781421.3/40

All: 484.957+/-0.053 χ^2/NDF: 20405989.1/83

- sign 486.703+/-0.076 χ^2/NDF: 10623529.5/42



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

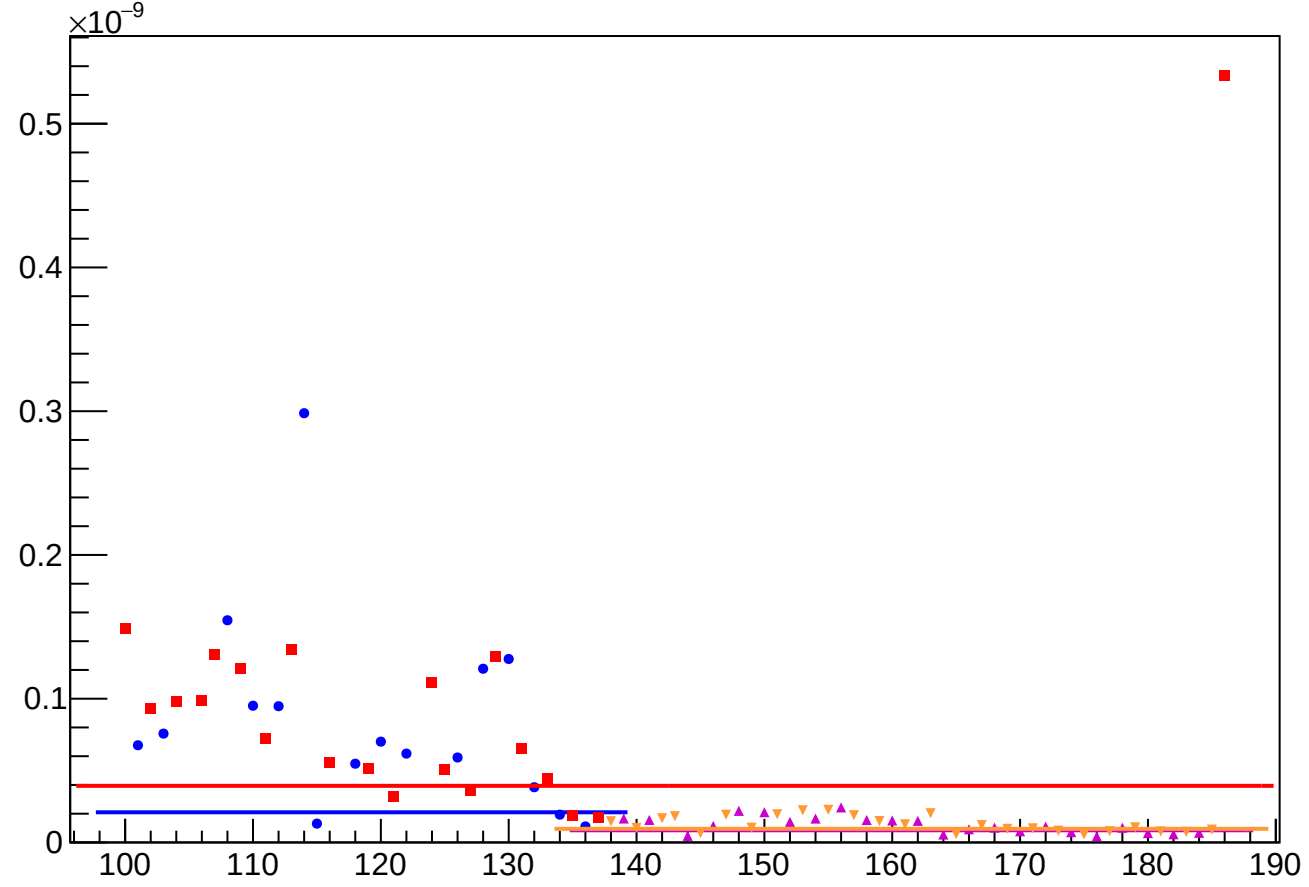
Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/19

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.5/40

All: -0.000+/-0.000 χ^2/NDF: 96.4/83

- sign 0.000+/-0.000 χ^2/NDF: 43.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

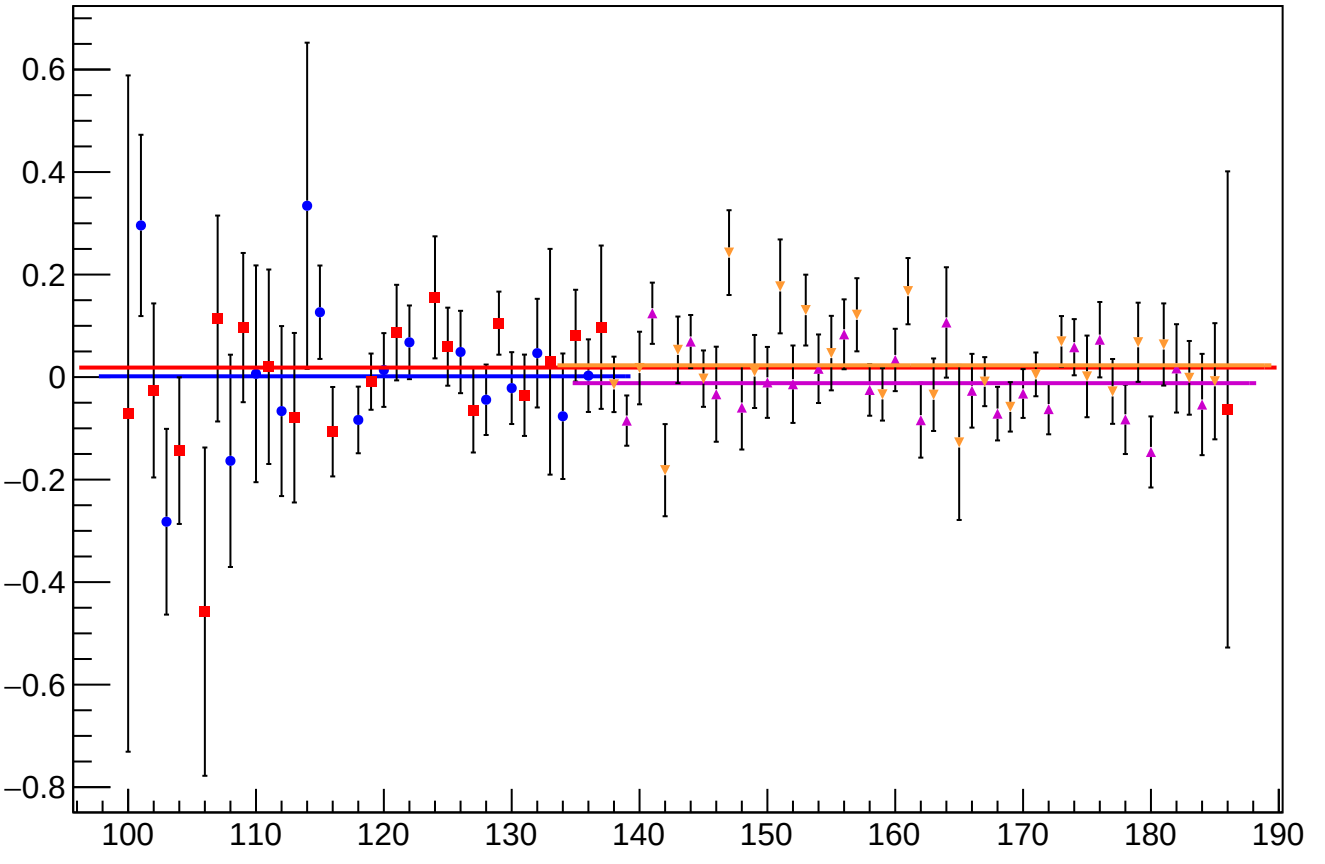
Right Out: 0.000+/-0.000 χ^2/NDF: 2471999.6/19

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 6598121.3/40

All: 0.000+/-0.000 χ^2/NDF: 14344113.2/83

- sign 0.000+/-0.000 χ^2/NDF: 7679482.0/42



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

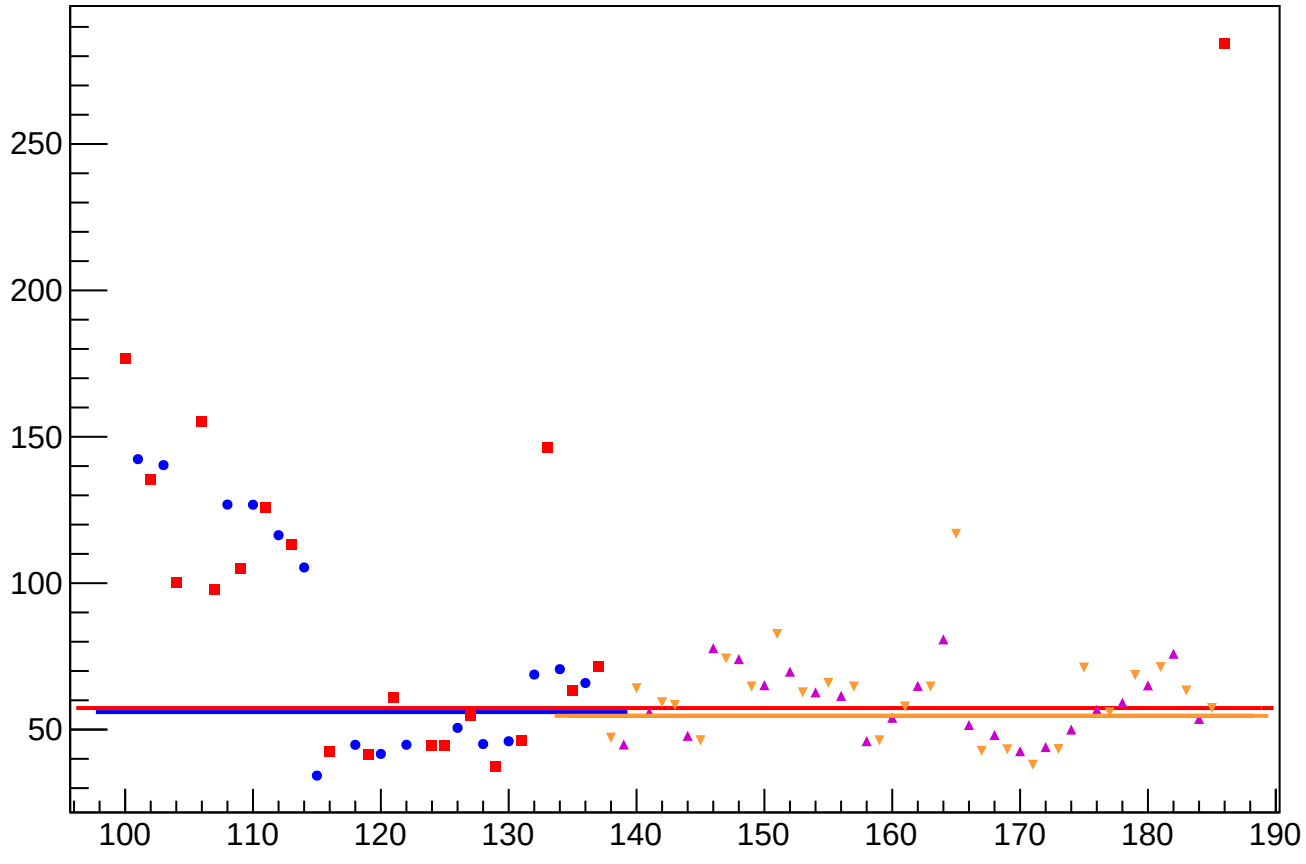
Right Out: 0.019+/-0.023 χ^2/NDF: 13.1/19

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/40

All: 0.007+/-0.008 χ^2/NDF: 90.1/83

- sign -0.005+/-0.012 χ^2/NDF: 40.3/42



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

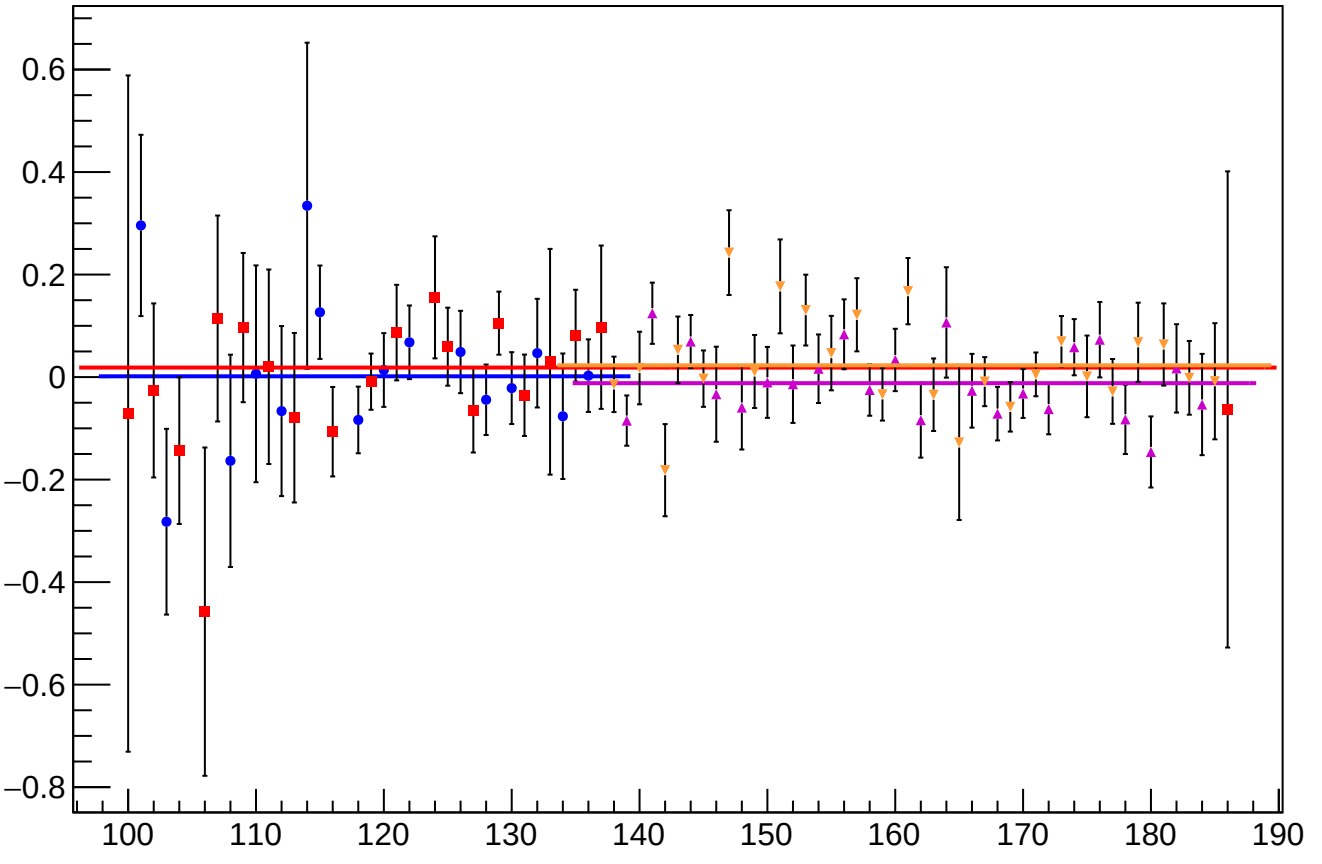
Right Out: 57.352+/-0.017 χ^2/NDF: 3031829.3/19

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

\+ sign 54.986+/-0.008 χ^2/NDF: 4120985.3/40

All: 55.155+/-0.006 χ^2/NDF: 8364030.8/83

\- sign 55.332+/-0.008 χ^2/NDF: 4242127.4/42



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

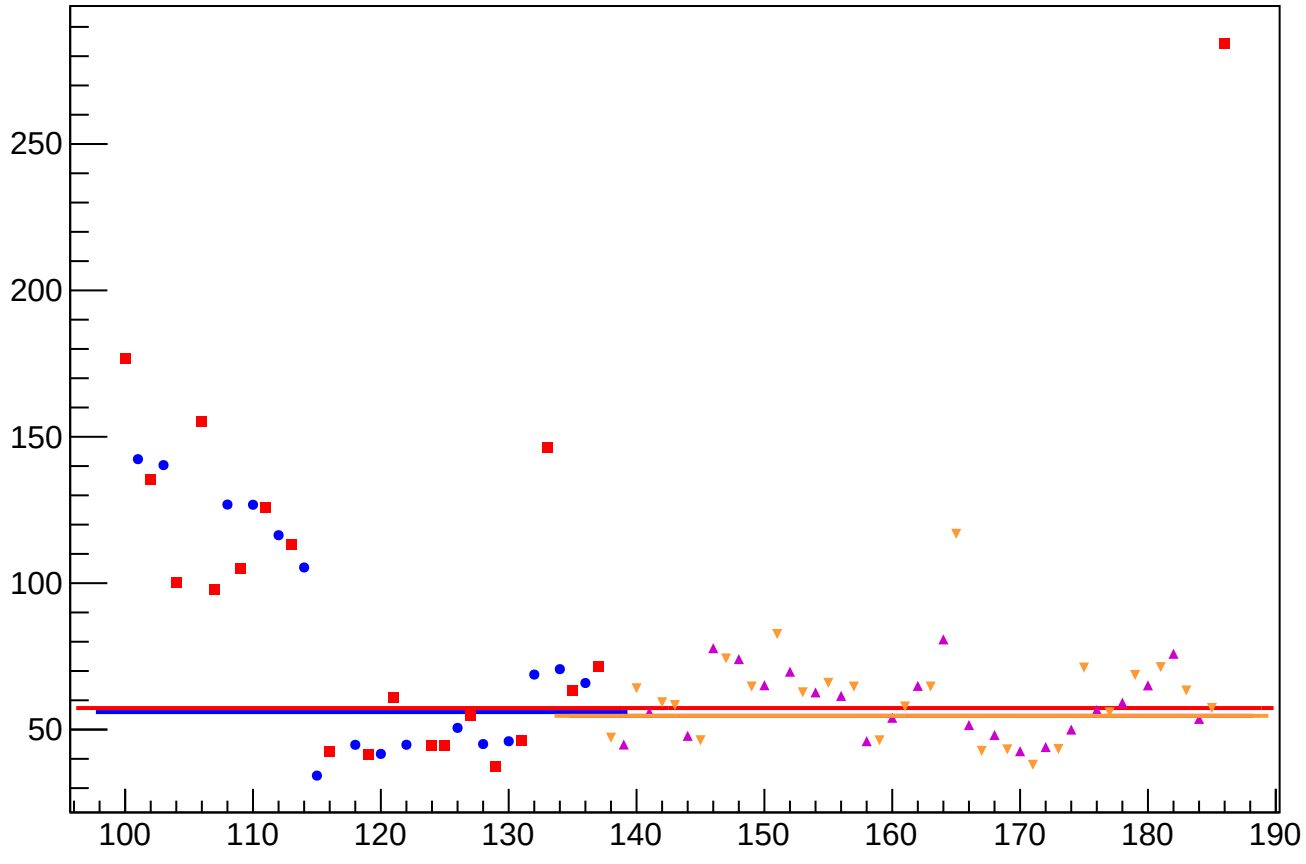
Right Out: 0.019+/-0.023 χ^2/NDF: 13.1/19

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/40

All: 0.007+/-0.008 χ^2/NDF: 90.1/83

- sign -0.005+/-0.012 χ^2/NDF: 40.3/42



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

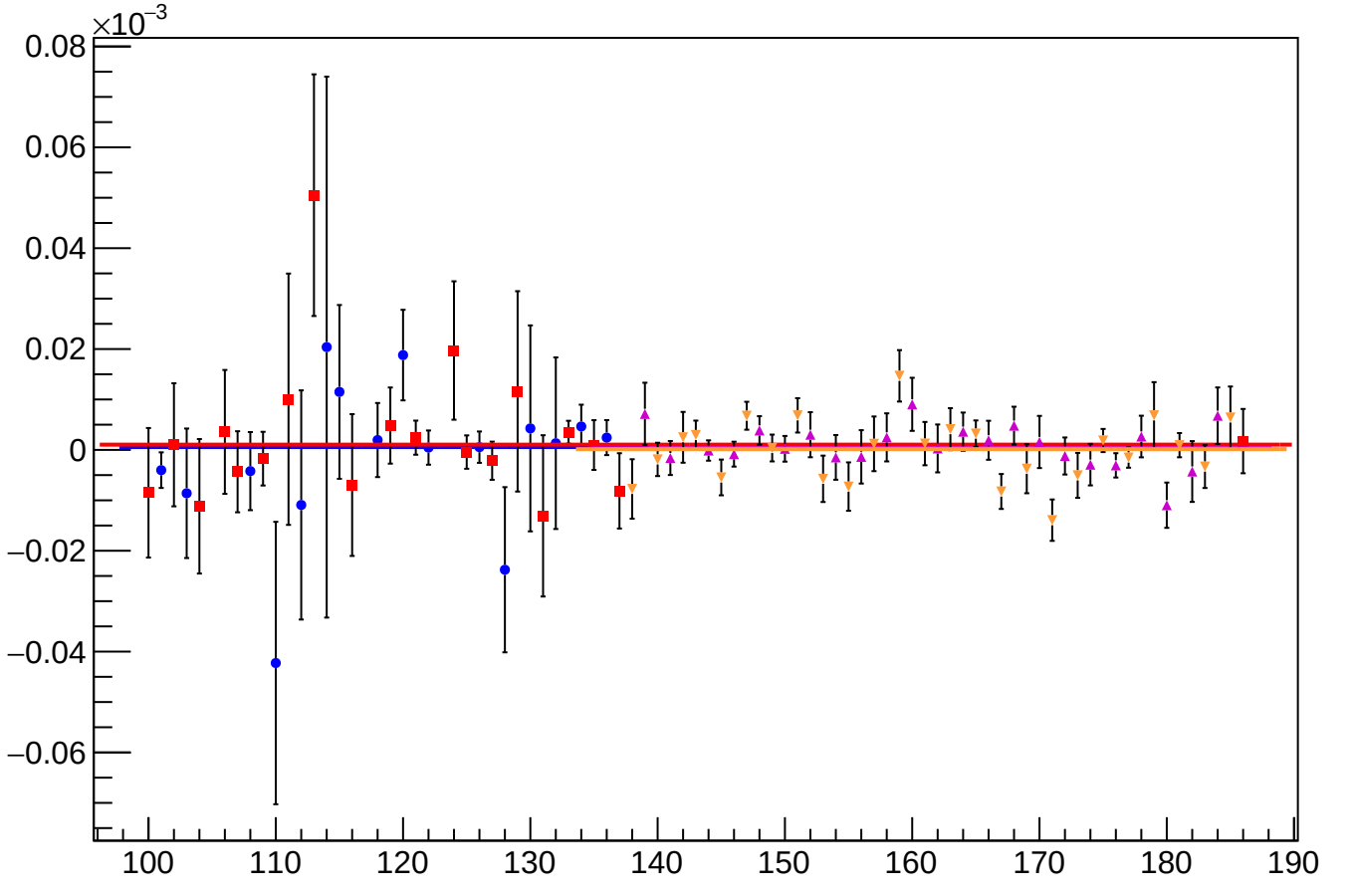
Right Out: 57.352+/-0.017 χ^2/NDF: 3031829.3/19

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 54.986+/-0.008 χ^2/NDF: 4120985.3/40

All: 55.155+/-0.006 χ^2/NDF: 8364030.8/83

- sign 55.332+/-0.008 χ^2/NDF: 4242127.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

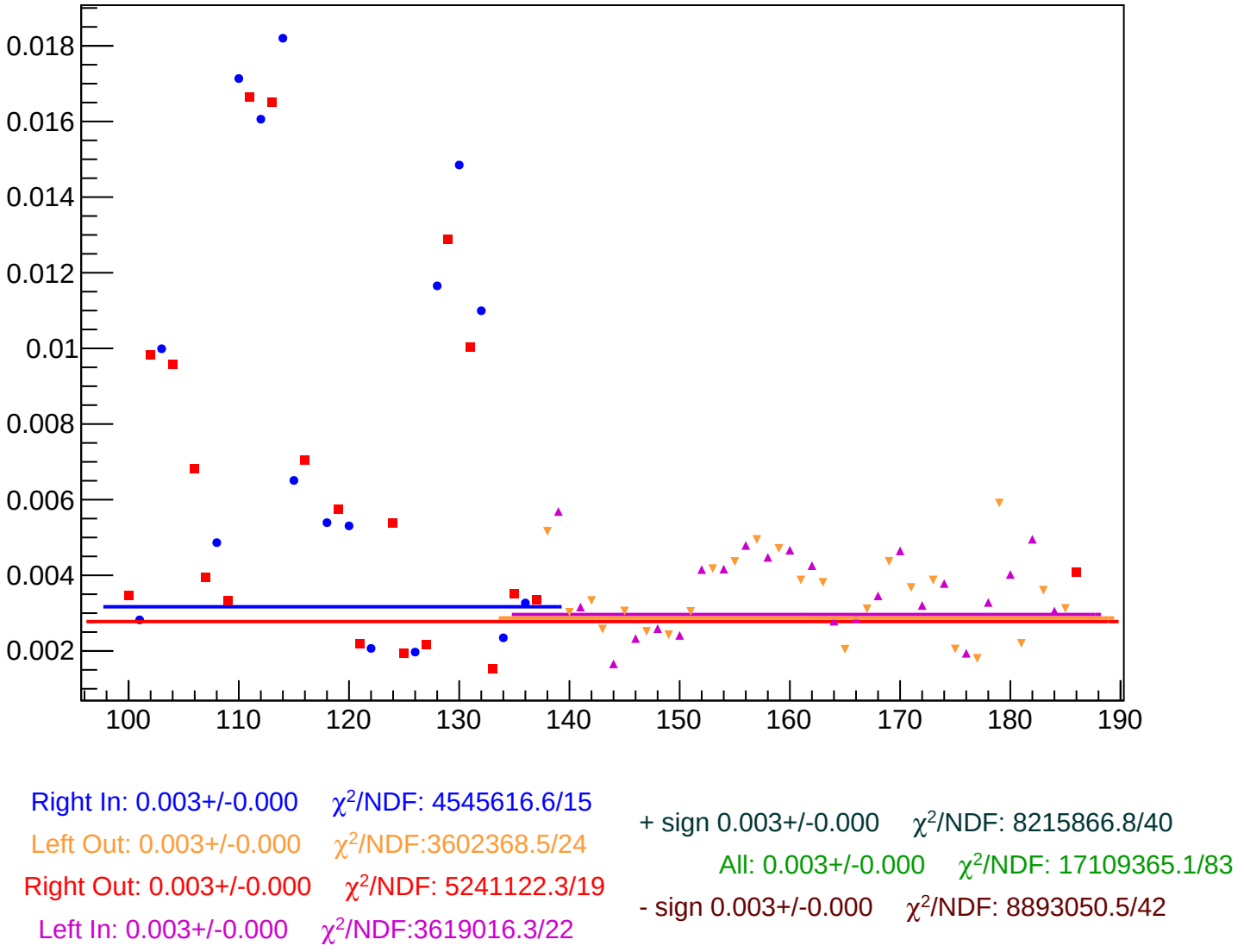
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/19

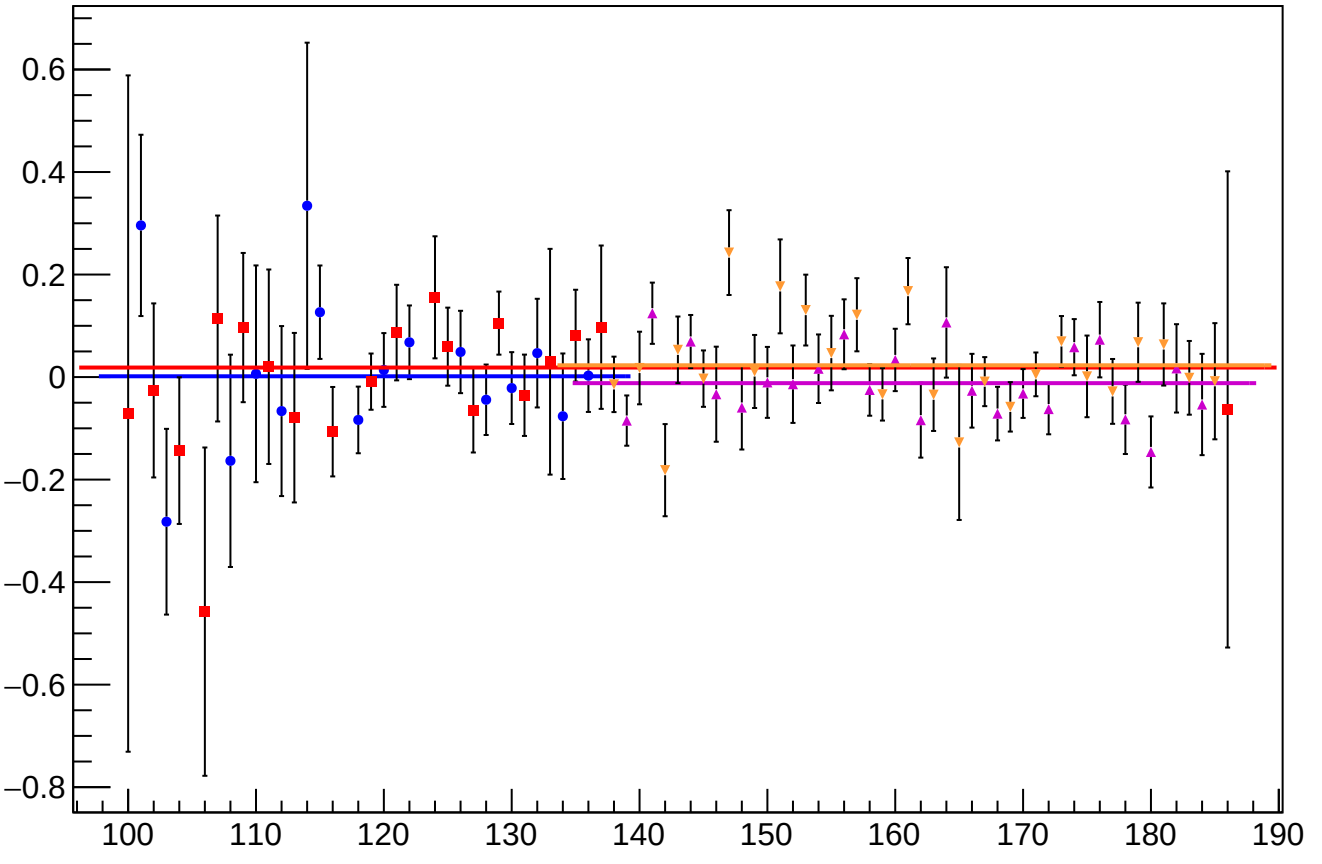
Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.1/40

All: 0.000+/-0.000 χ^2/NDF: 102.0/83

- sign 0.000+/-0.000 χ^2/NDF: 34.8/42


asym_sam_26_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: 0.003+/-0.000 χ²/NDF: 4545616.6/15
Left Out: 0.003+/-0.000 χ²/NDF:3602368.5/24
Right Out: 0.003+/-0.000 χ²/NDF: 5241122.3/19
Left In: 0.003+/-0.000 χ²/NDF:3619016.3/22
+ sign 0.003+/-0.000 χ²/NDF: 8215866.8/40
All: 0.003+/-0.000 χ²/NDF: 17109365.1/83
- sign 0.003+/-0.000 χ²/NDF: 8893050.5/42



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

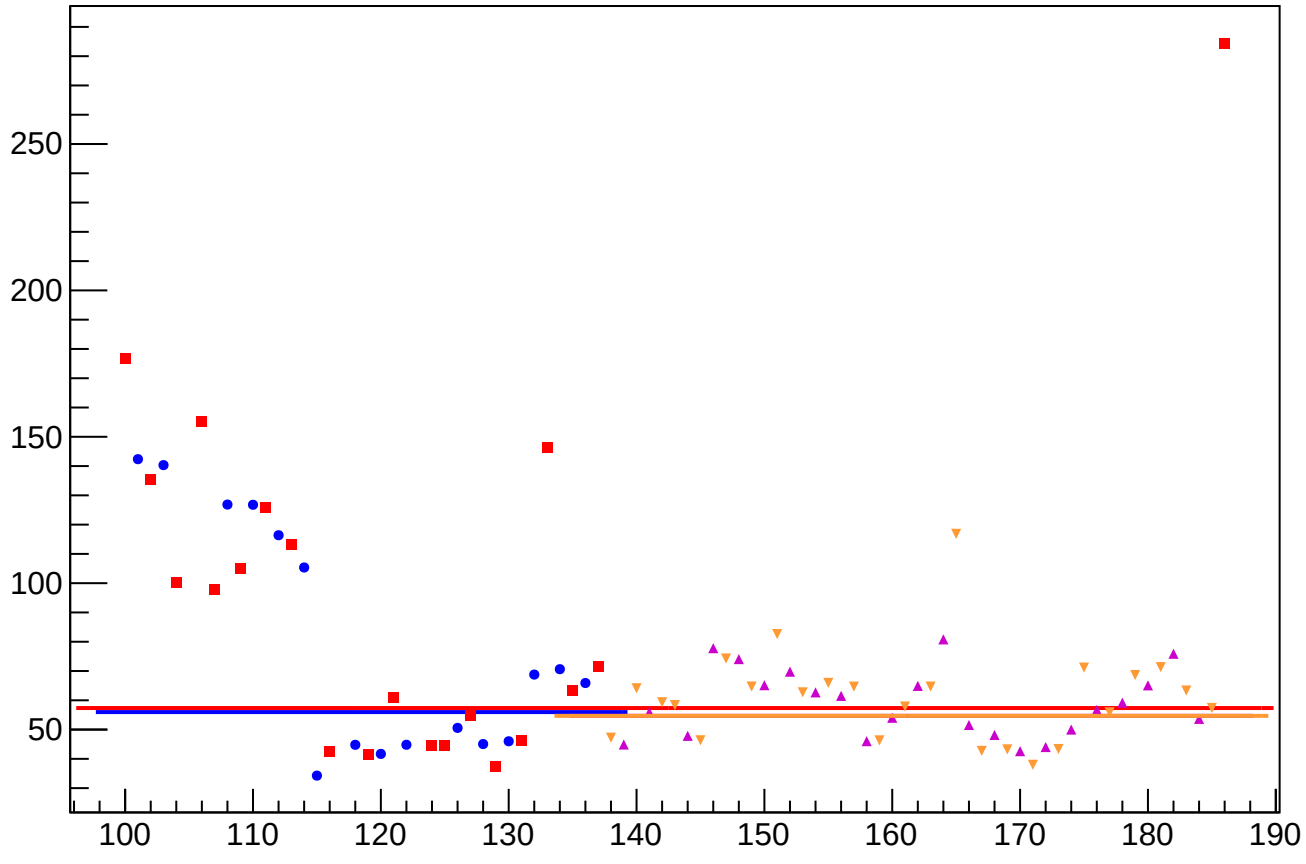
Right Out: 0.019+/-0.023 χ^2/NDF: 13.1/19

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/40

All: 0.007+/-0.008 χ^2/NDF: 90.1/83

- sign -0.005+/-0.012 χ^2/NDF: 40.3/42



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

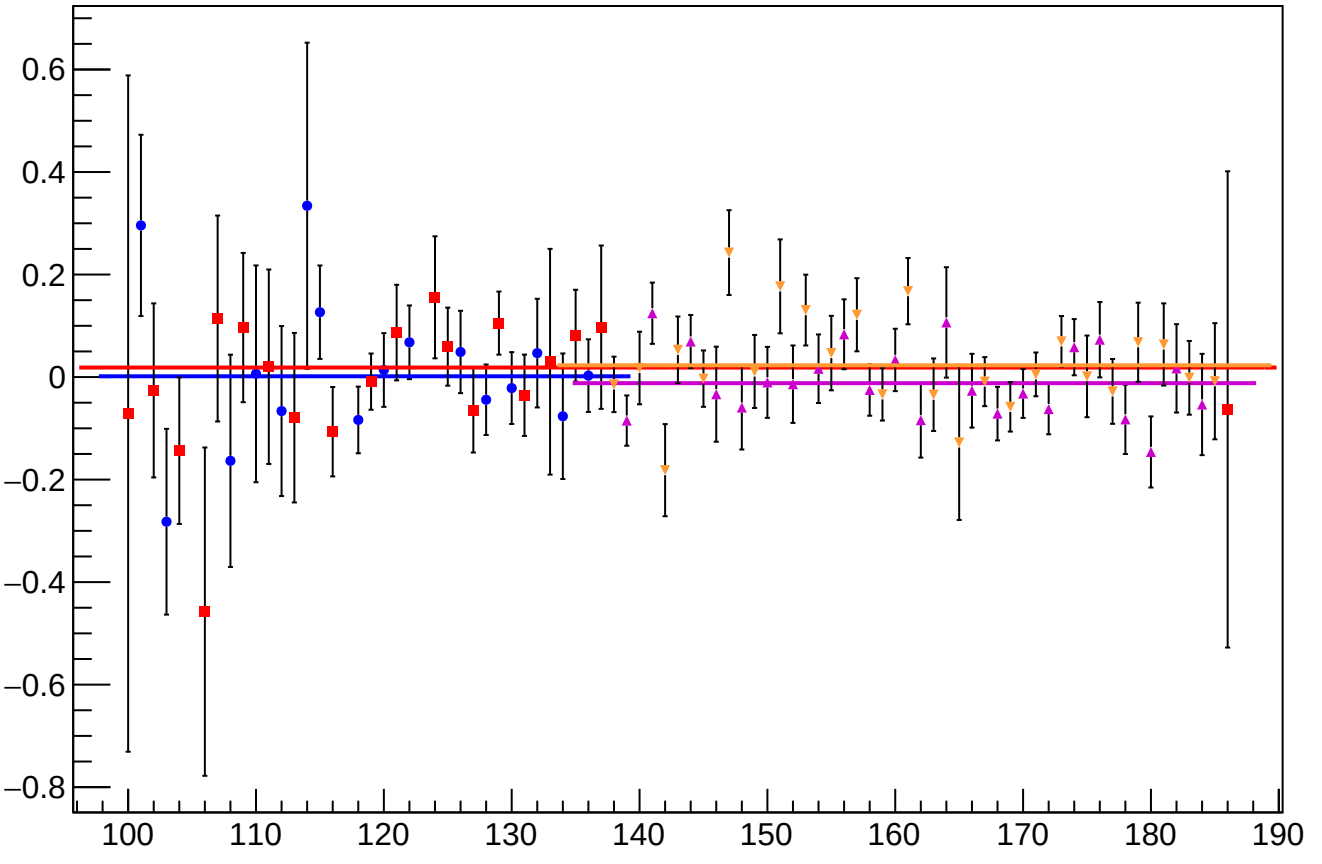
Right Out: 57.351+/-0.017 χ^2/NDF: 3031776.1/19

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 54.986+/-0.008 χ^2/NDF: 4120903.7/40

All: 55.156+/-0.006 χ^2/NDF: 8363848.2/83

- sign 55.332+/-0.008 χ^2/NDF: 4242026.1/42



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

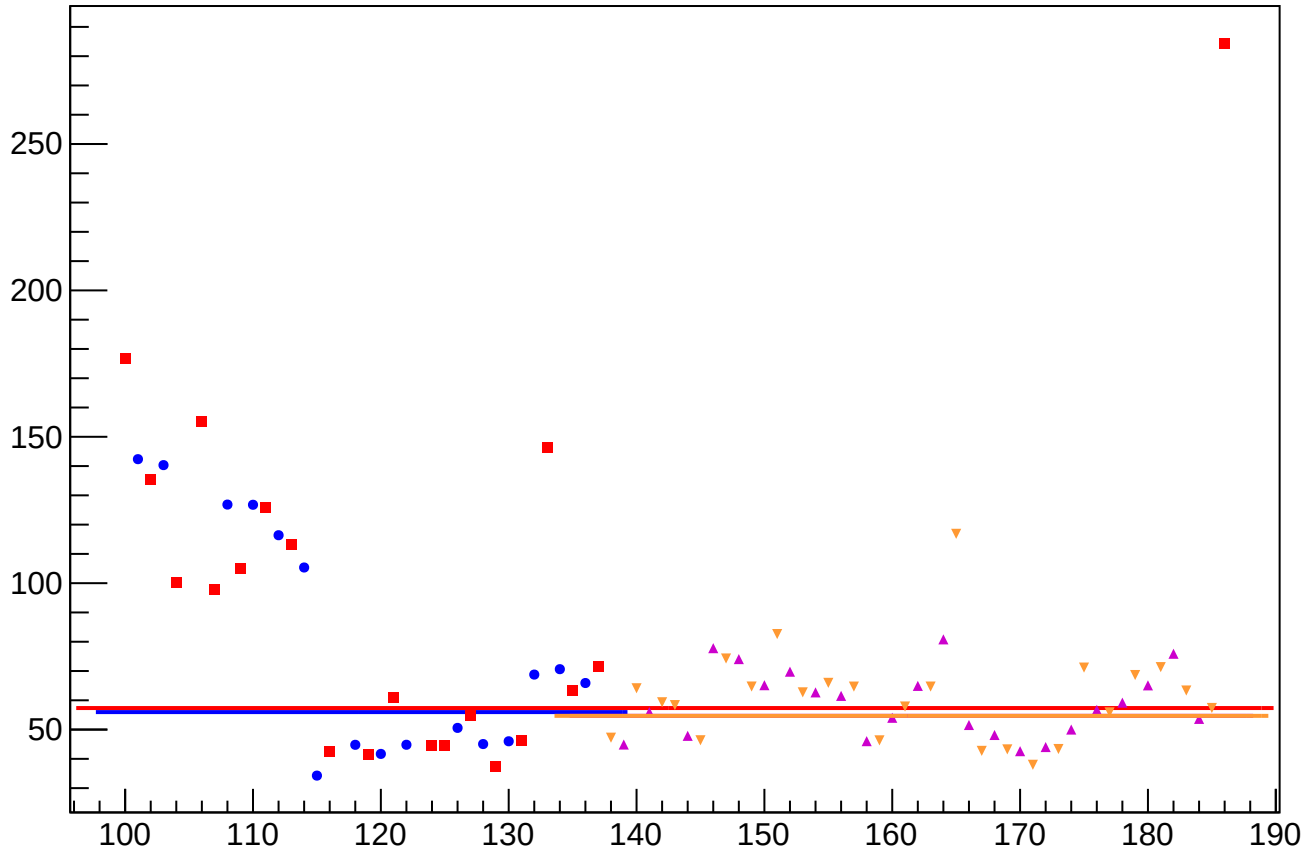
Right Out: 0.019+/-0.023 χ^2/NDF: 13.1/19

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/40

All: 0.007+/-0.008 χ^2/NDF: 90.1/83

- sign -0.005+/-0.012 χ^2/NDF: 40.3/42



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

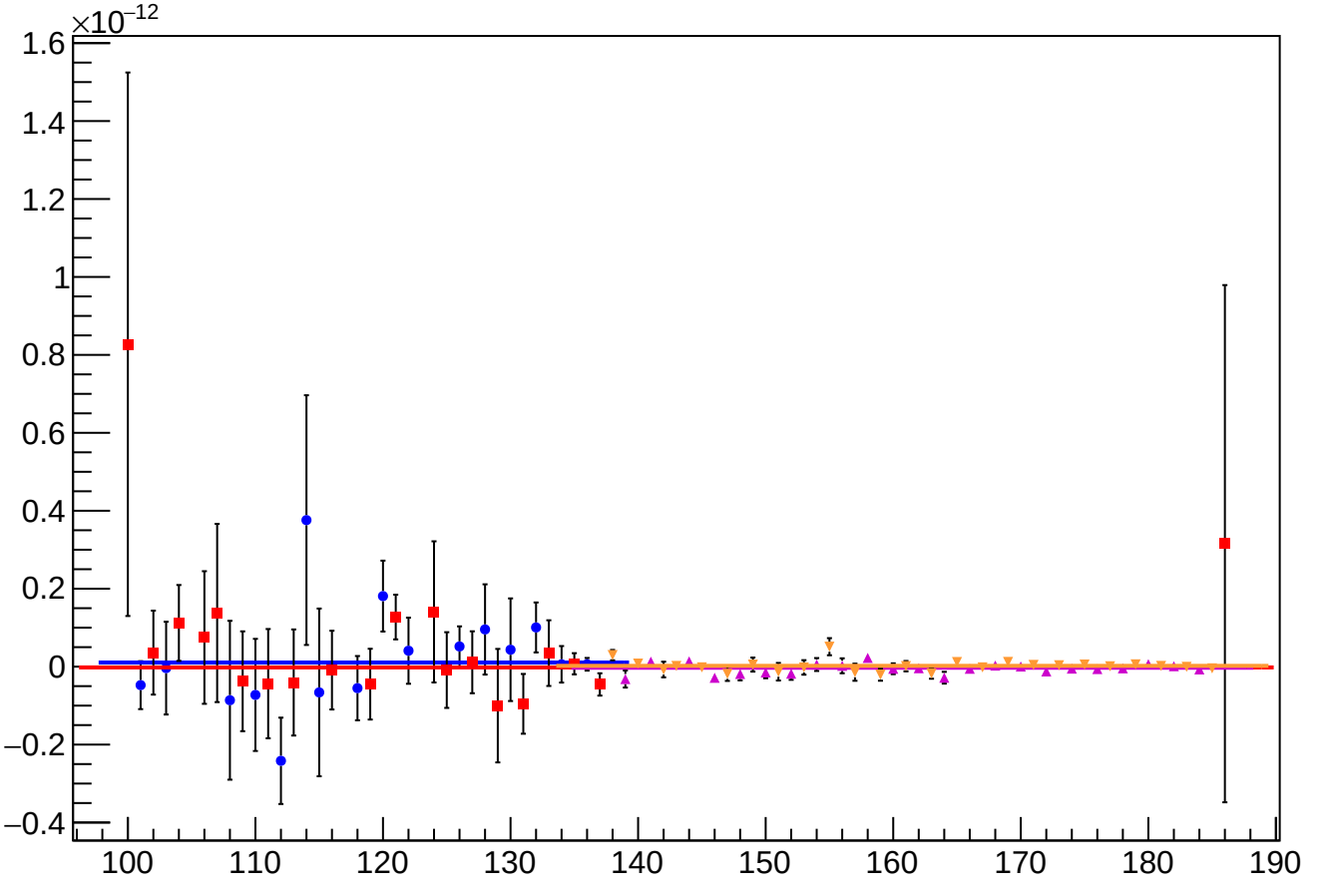
Right Out: 57.351+/-0.017 χ^2/NDF: 3031776.1/19

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 54.986+/-0.008 χ^2/NDF: 4120903.7/40

All: 55.156+/-0.006 χ^2/NDF: 8363848.2/83

- sign 55.332+/-0.008 χ^2/NDF: 4242026.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

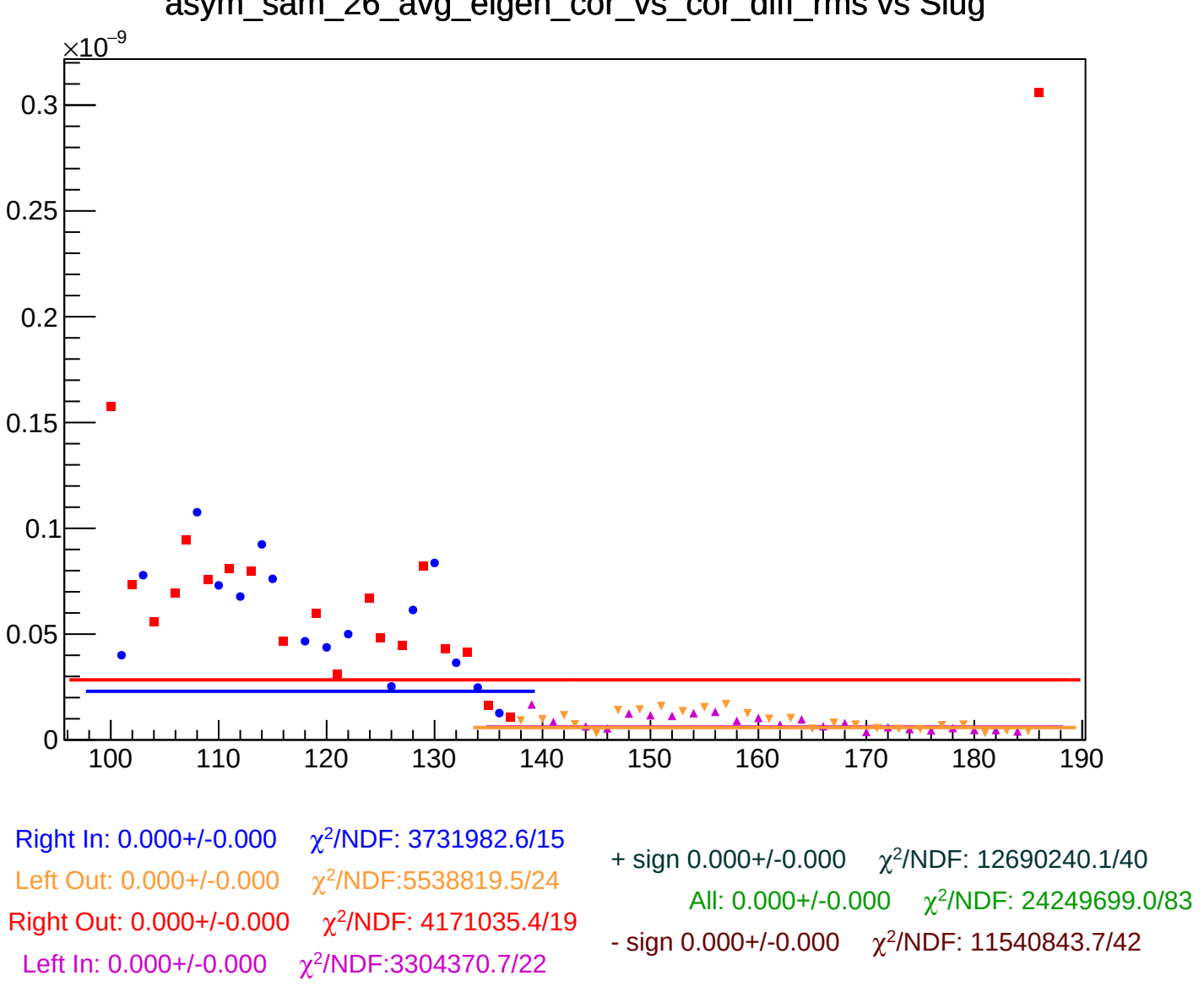
Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/19

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

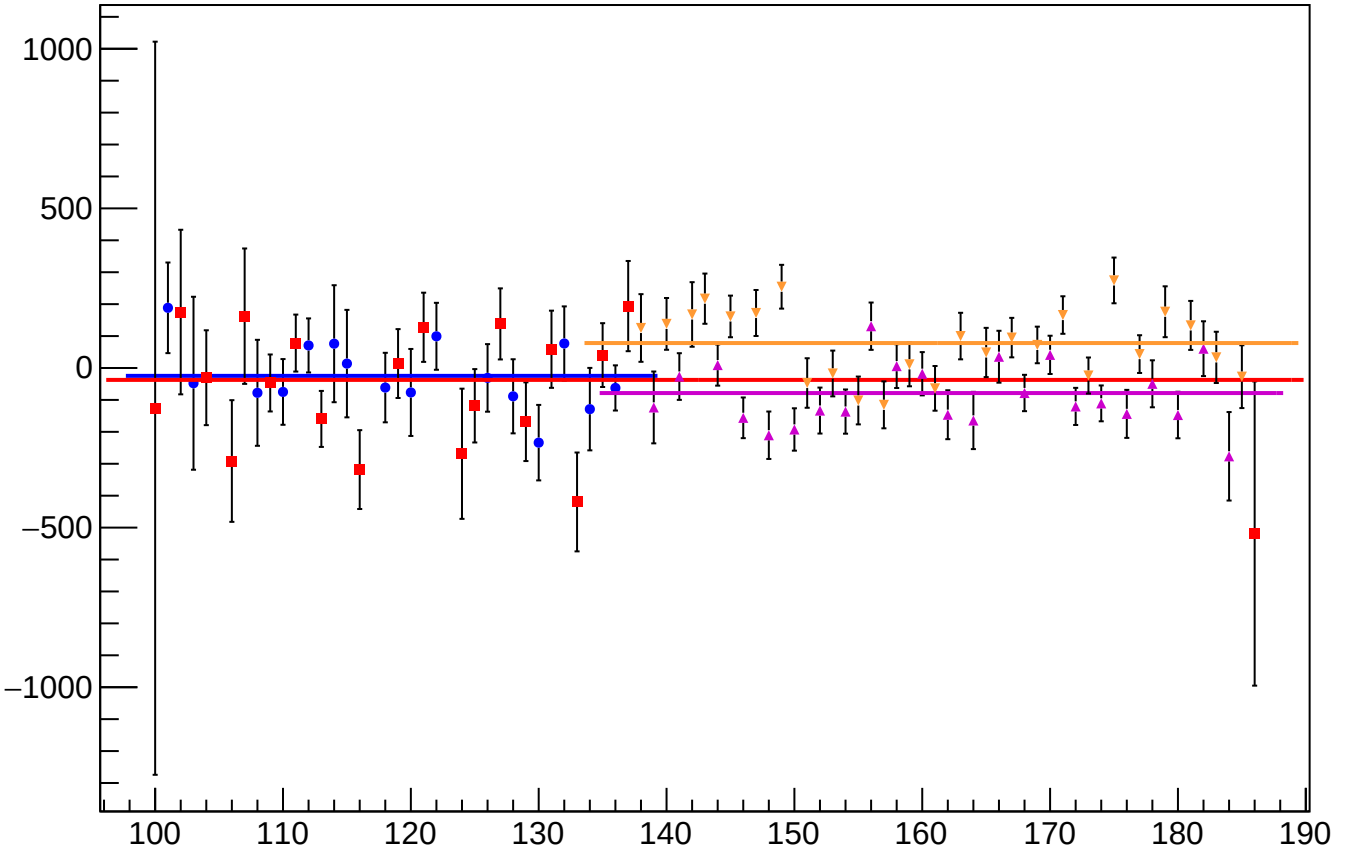
+ sign 0.000+/-0.000 χ^2/NDF: 36.8/40

All: -0.000+/-0.000 χ^2/NDF: 88.2/83

- sign -0.000+/-0.000 χ^2/NDF: 47.6/42


asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 3731982.6/15
Left Out: 0.000+/-0.000 χ²/NDF:5538819.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4171035.4/19
Left In: 0.000+/-0.000 χ²/NDF:3304370.7/22
+ sign 0.000+/-0.000 χ²/NDF: 12690240.1/40
All: 0.000+/-0.000 χ²/NDF: 24249699.0/83
- sign 0.000+/-0.000 χ²/NDF: 11540843.7/42

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -37.297+/-28.404 χ^2/NDF: 31.1/19

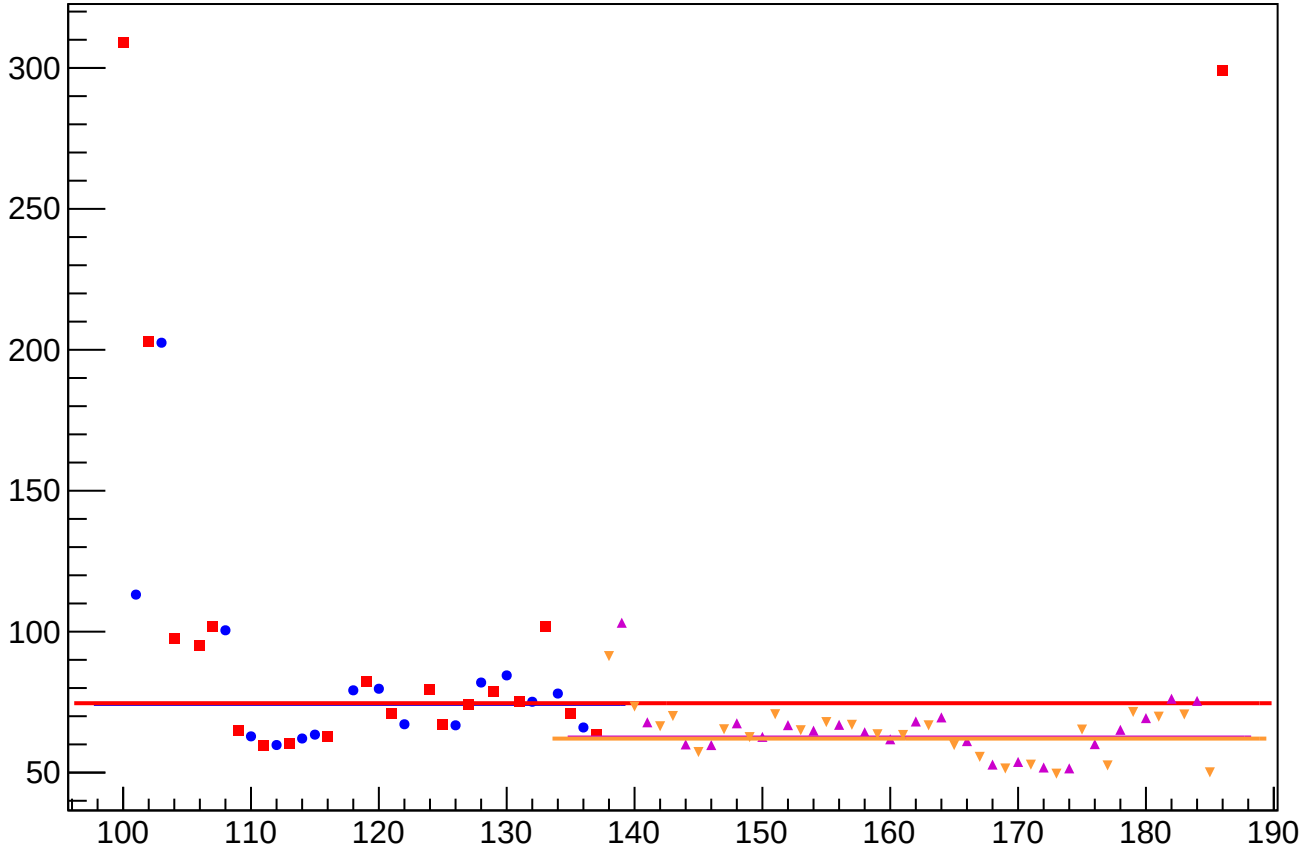
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.898+/-12.836 χ^2/NDF: 75.1/40

All: -4.442+/-9.180 χ^2/NDF: 192.7/83

- sign -69.696+/-13.133 χ^2/NDF: 69.4/42

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 74.616+/-0.020 χ^2/NDF: 1377856.1/19

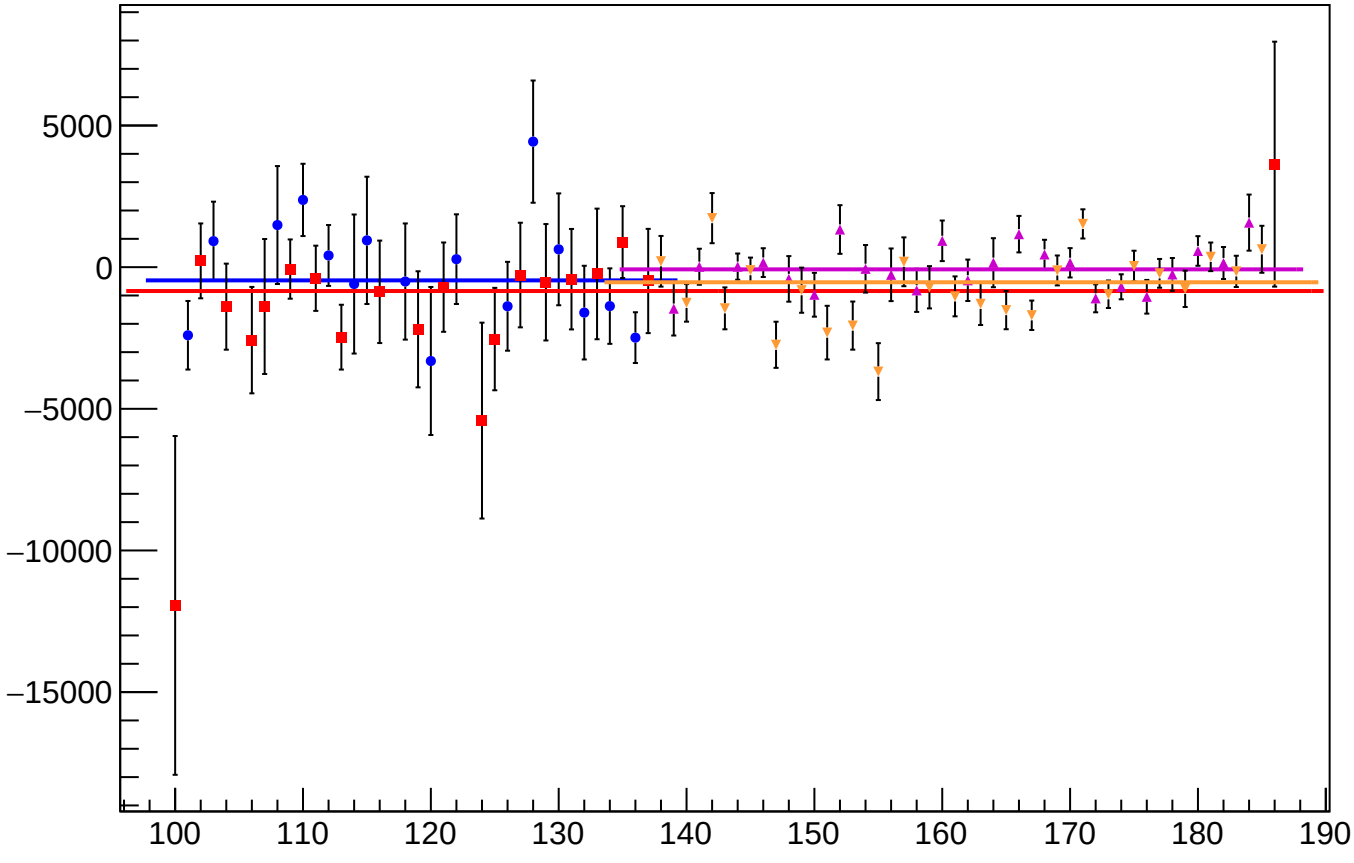
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.488+/-0.009 χ^2/NDF: 1805032.0/40

All: 64.761+/-0.006 χ^2/NDF: 4138078.7/83

- sign 65.047+/-0.009 χ^2/NDF: 2331195.5/42

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -842.147+/-370.867 χ^2/NDF: 14.1/19

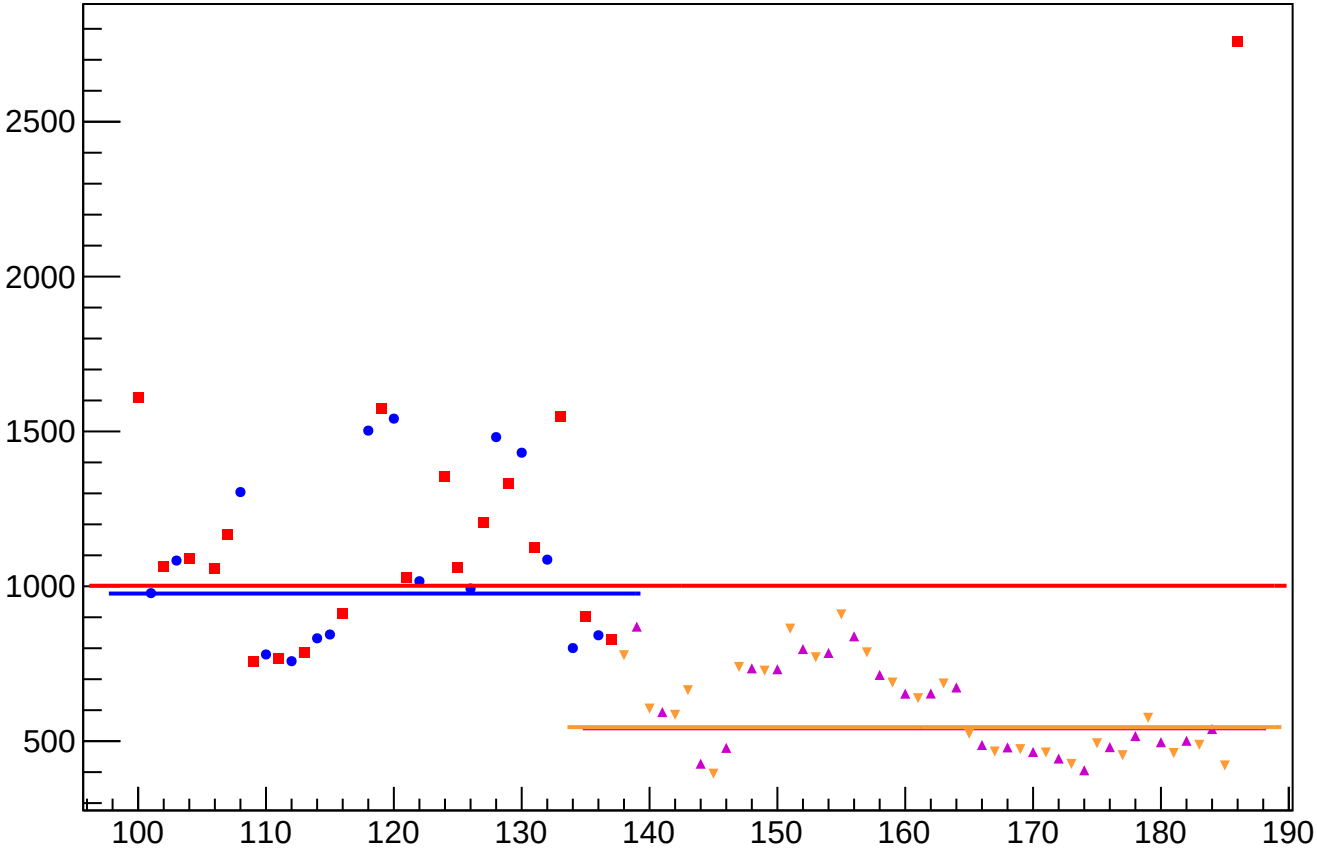
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -525.873+/-121.076 χ^2/NDF: 92.8/40

All: -346.452+/-86.268 χ^2/NDF: 143.6/83

- sign -161.441+/-122.948 χ^2/NDF: 46.3/42

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1001.789+/-0.262 χ^2/NDF: 1048468.7/19

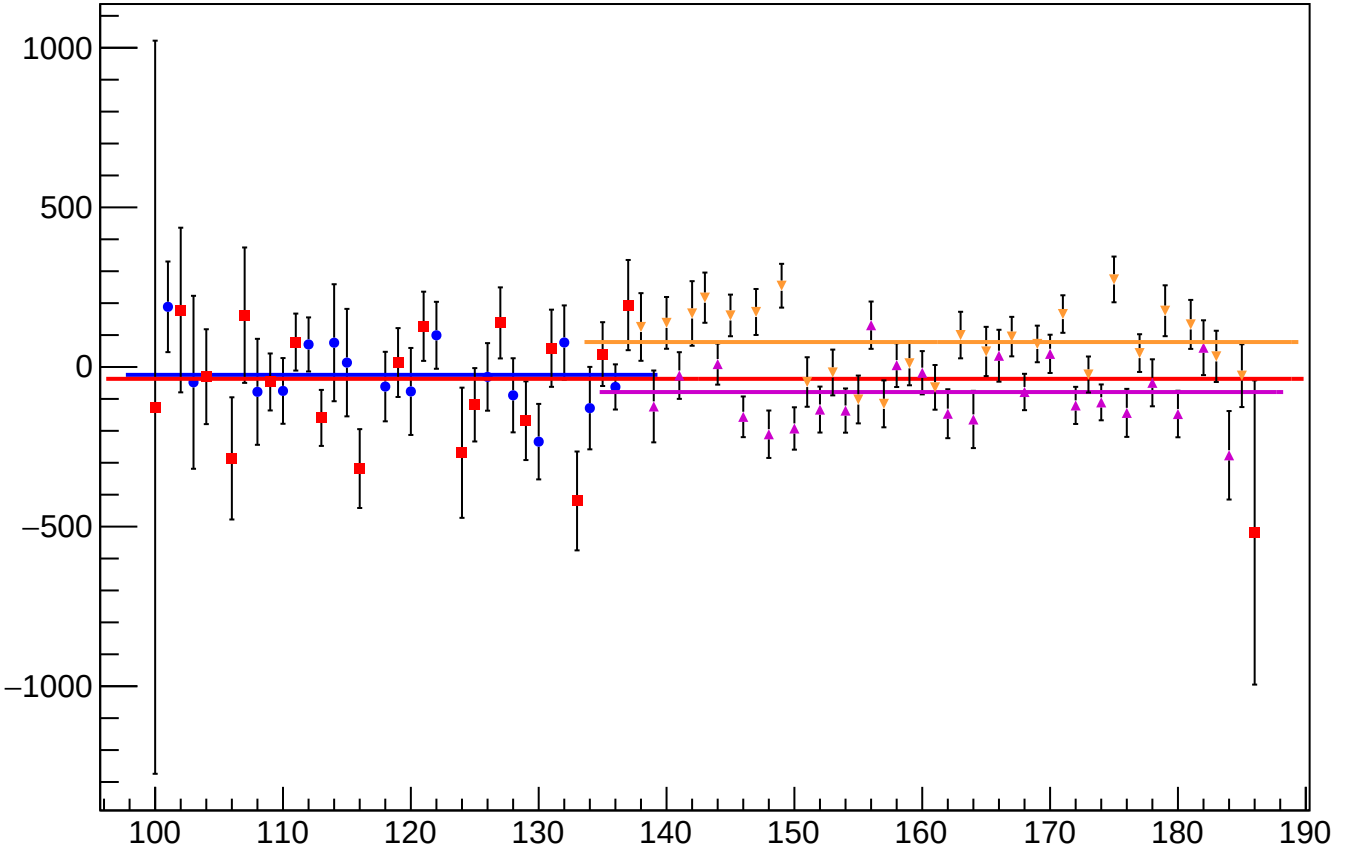
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 590.256+/-0.086 χ^2/NDF: 5189542.2/40

All: 591.139+/-0.061 χ^2/NDF: 10821235.2/83

- sign 592.049+/-0.087 χ^2/NDF: 5631477.0/42

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -37.099+/-28.407 χ^2/NDF: 31.0/19

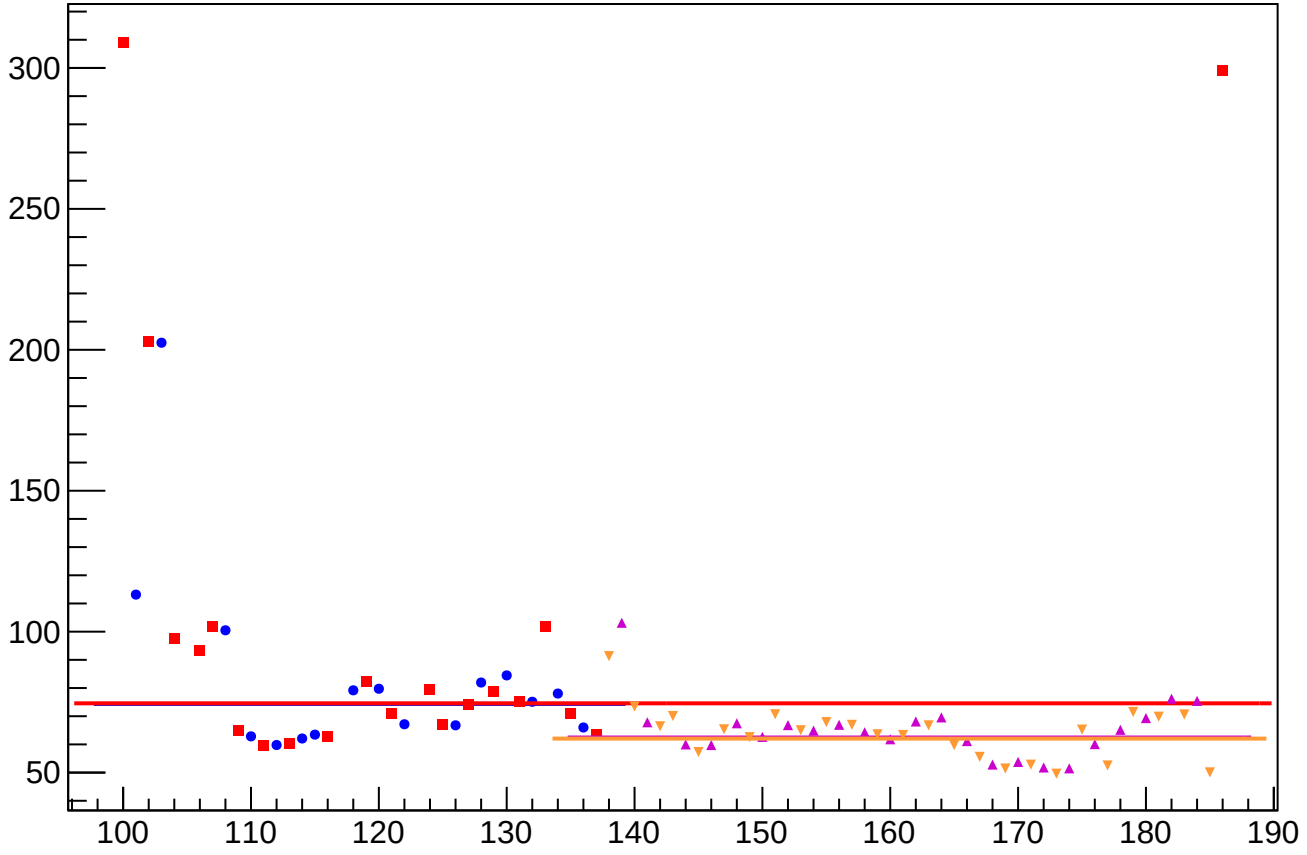
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.899+/-12.836 χ^2/NDF: 75.1/40

All: -4.420+/-9.180 χ^2/NDF: 192.7/83

- sign -69.655+/-13.133 χ^2/NDF: 69.4/42

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

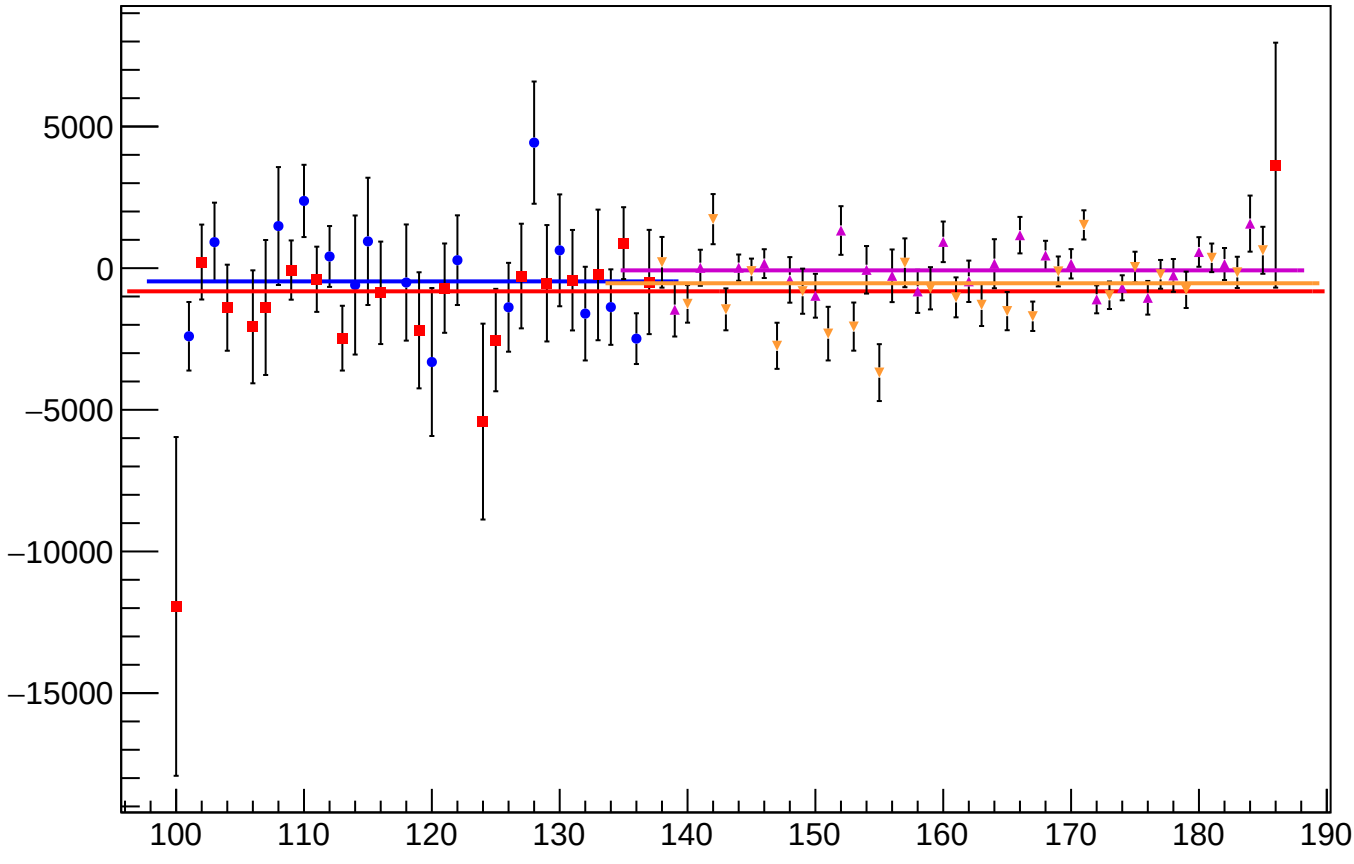
Right Out: 74.574+/-0.020 χ^2/NDF: 1374236.2/19

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.488+/-0.009 χ^2/NDF: 1805033.8/40

All: 64.757+/-0.006 χ^2/NDF: 4132386.3/83

- sign 65.038+/-0.009 χ^2/NDF: 2325562.4/42



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -817.584+/-371.711 χ^2/NDF: 13.7/19

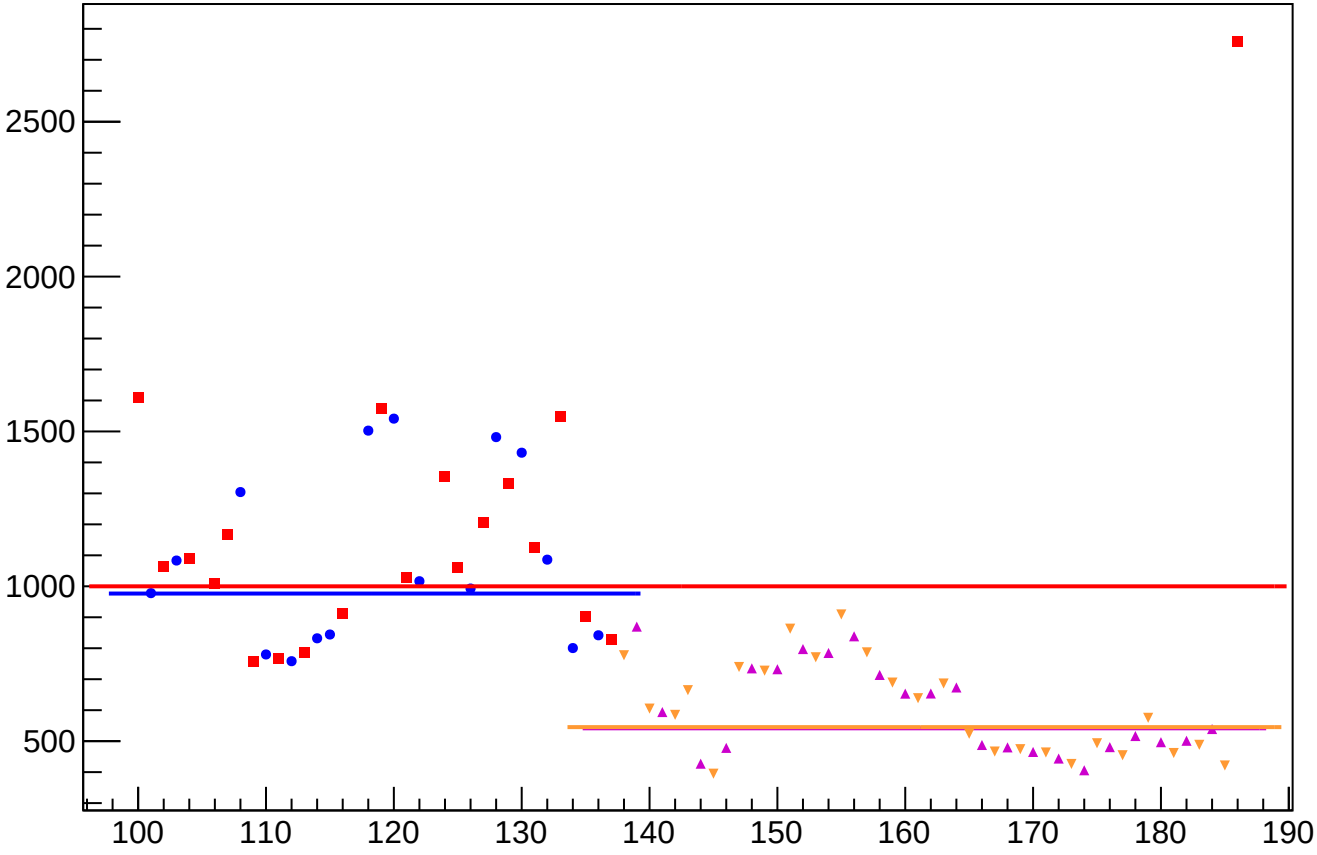
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -525.869+/-121.076 χ^2/NDF: 92.8/40

All: -345.005+/-86.279 χ^2/NDF: 142.9/83

- sign -158.412+/-122.979 χ^2/NDF: 45.5/42

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 999.923+/-0.263 χ^2/NDF: 1046800.0/19

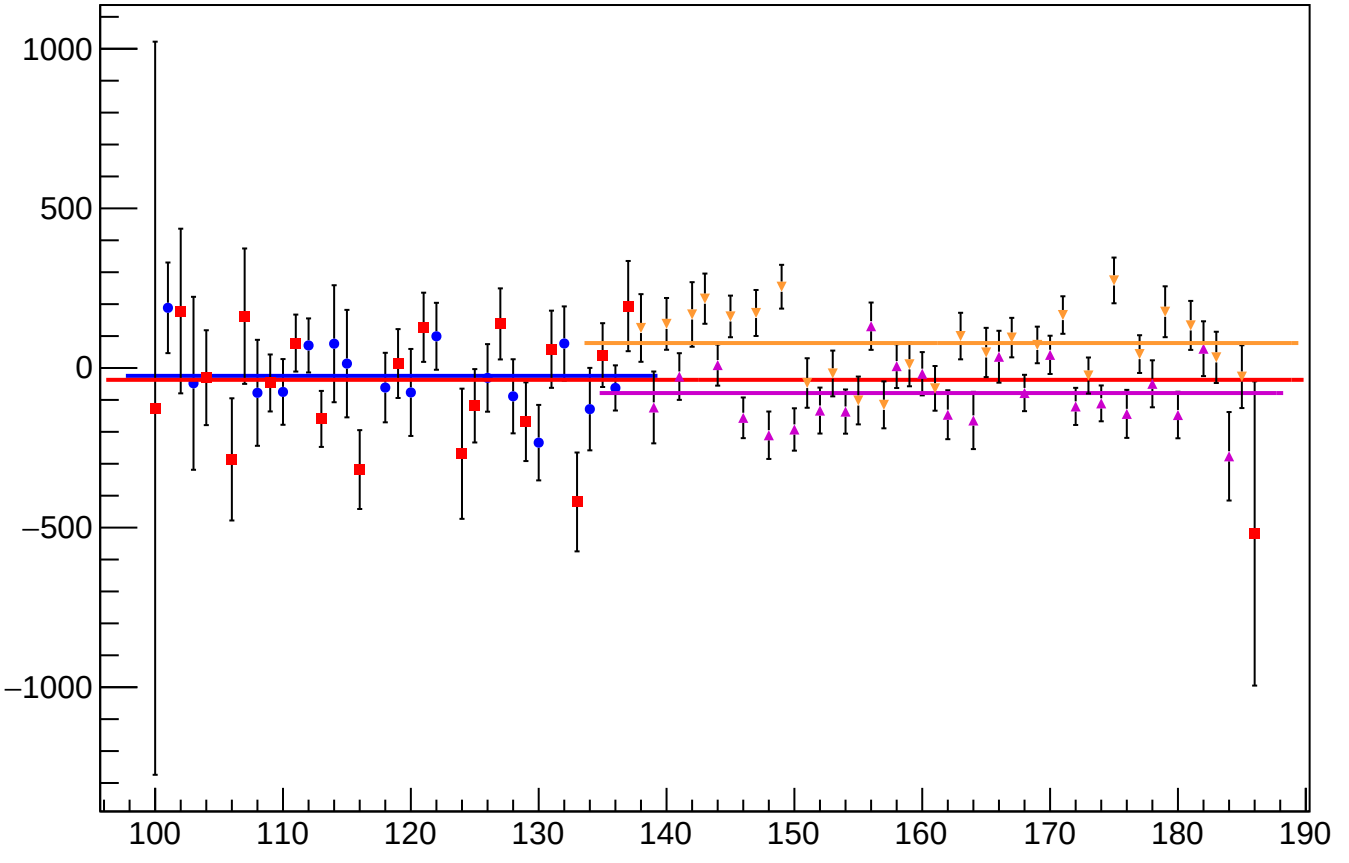
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 590.256+/-0.086 χ^2/NDF: 5189597.1/40

All: 590.937+/-0.061 χ^2/NDF: 10786352.7/83

- sign 591.641+/-0.087 χ^2/NDF: 5596626.8/42

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -37.099+/-28.407 χ^2/NDF: 31.0/19

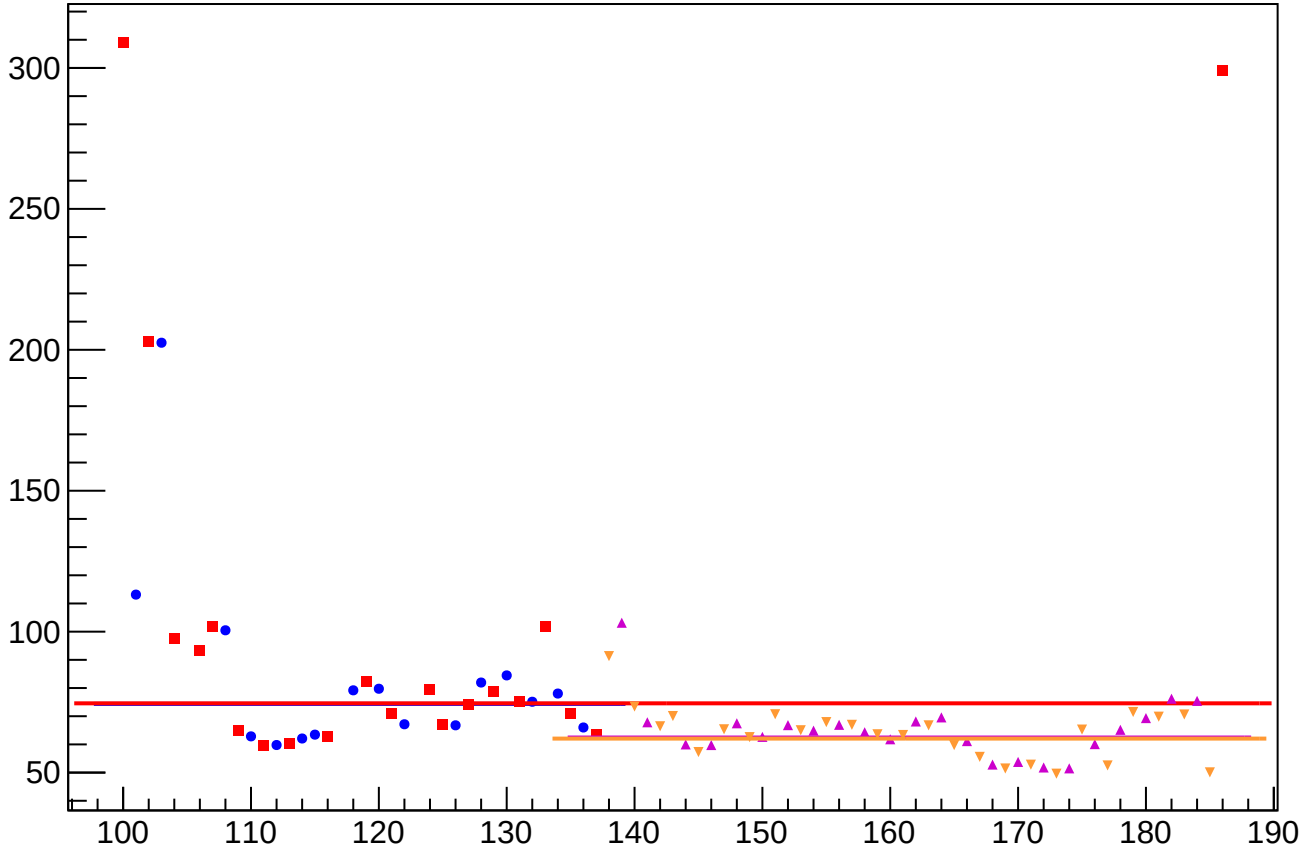
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.899+/-12.836 χ^2/NDF: 75.1/40

All: -4.420+/-9.180 χ^2/NDF: 192.7/83

- sign -69.655+/-13.133 χ^2/NDF: 69.4/42

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

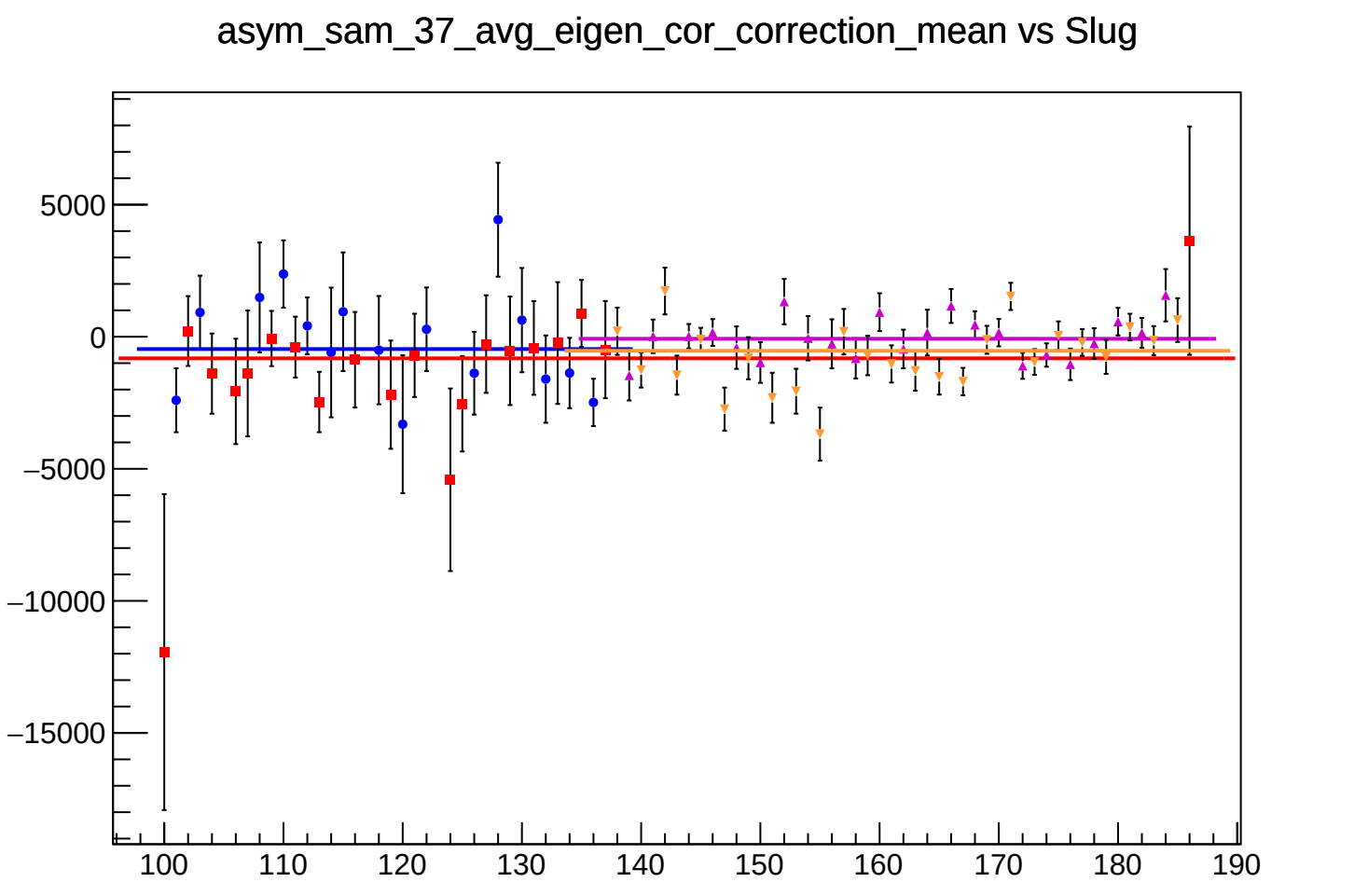
Right Out: 74.574+/-0.020 χ^2/NDF: 1374236.2/19

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.488+/-0.009 χ^2/NDF: 1805033.8/40

All: 64.757+/-0.006 χ^2/NDF: 4132386.3/83

- sign 65.038+/-0.009 χ^2/NDF: 2325562.4/42



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -817.584+/-371.711 χ^2/NDF: 13.7/19

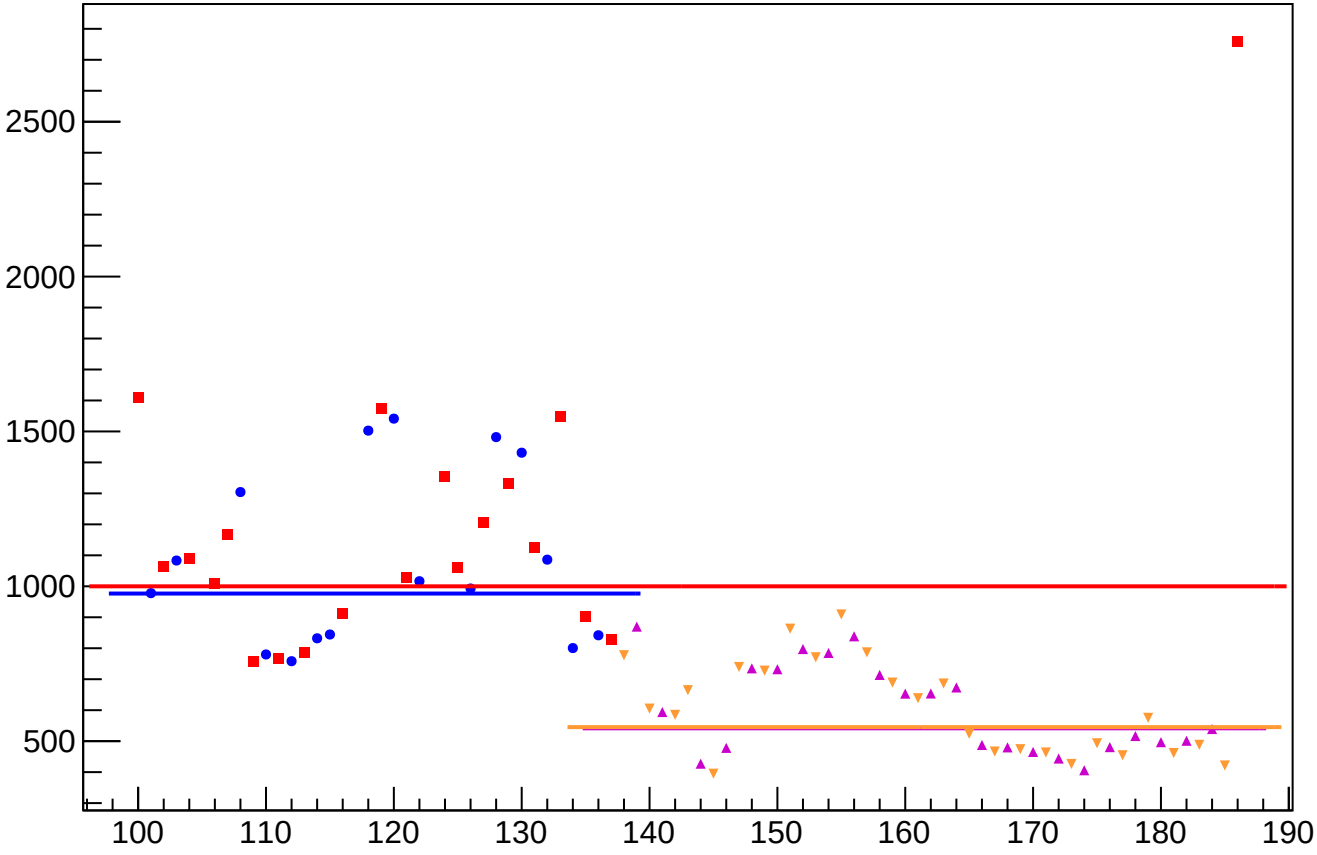
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -525.869+/-121.076 χ^2/NDF: 92.8/40

All: -345.005+/-86.279 χ^2/NDF: 142.9/83

- sign -158.412+/-122.979 χ^2/NDF: 45.5/42

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 999.923+/-0.263 χ^2/NDF: 1046800.0/19

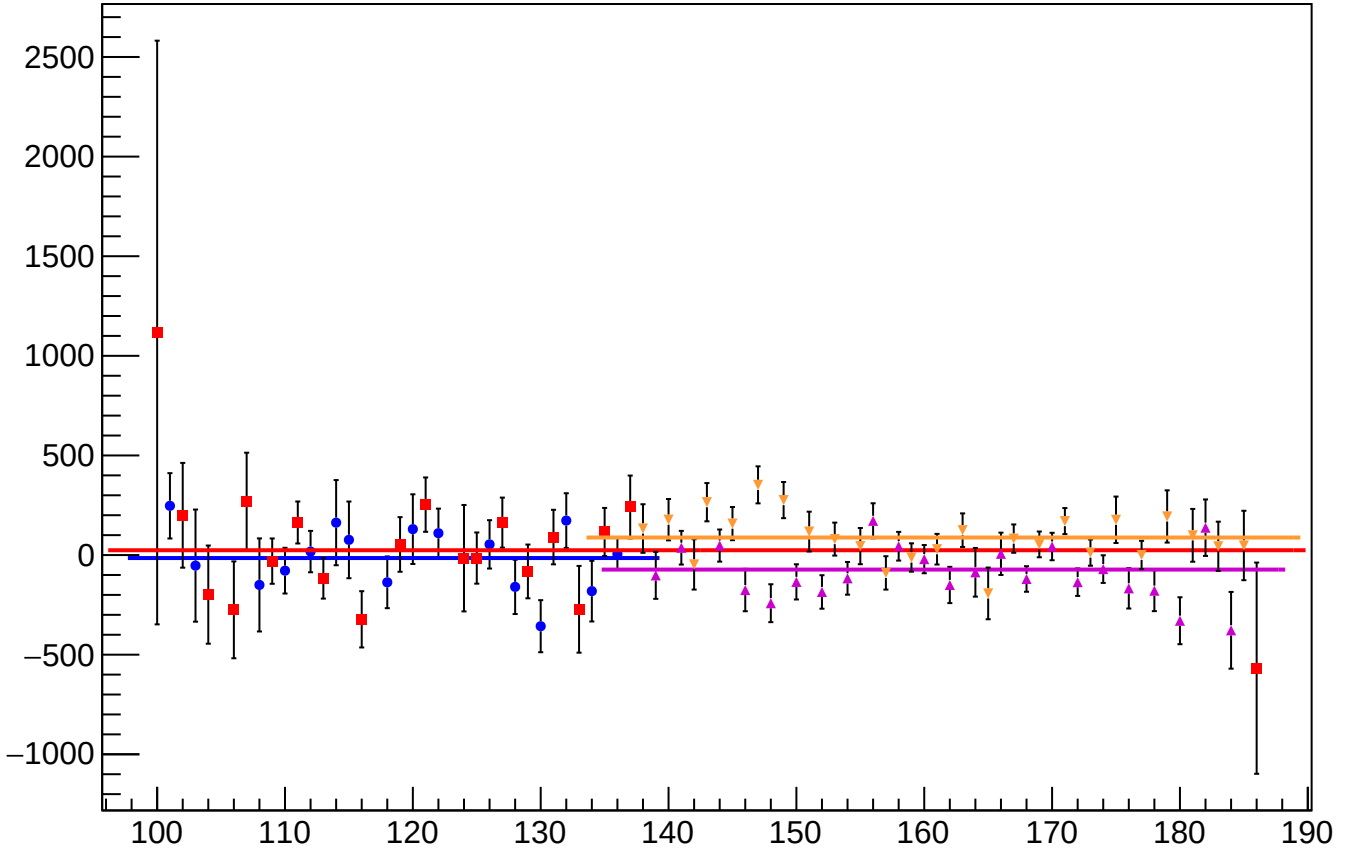
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 590.256+/-0.086 χ^2/NDF: 5189597.1/40

All: 590.937+/-0.061 χ^2/NDF: 10786352.7/83

- sign 591.641+/-0.087 χ^2/NDF: 5596626.8/42

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 24.209+/-34.003 χ^2/NDF: 24.9/19

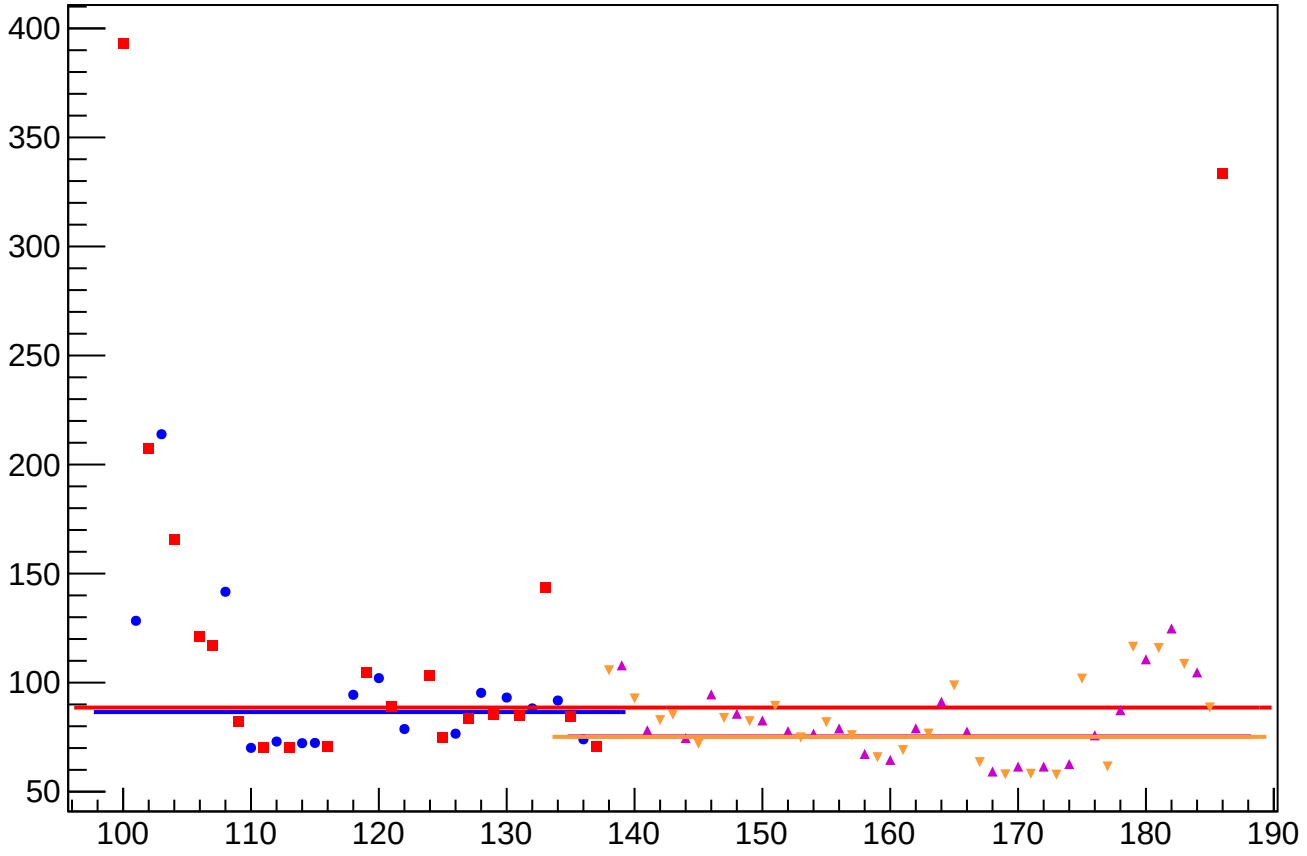
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 65.746+/-15.707 χ^2/NDF: 62.5/40

All: 8.761+/-11.242 χ^2/NDF: 159.1/83

- sign -51.095+/-16.098 χ^2/NDF: 69.6/42

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

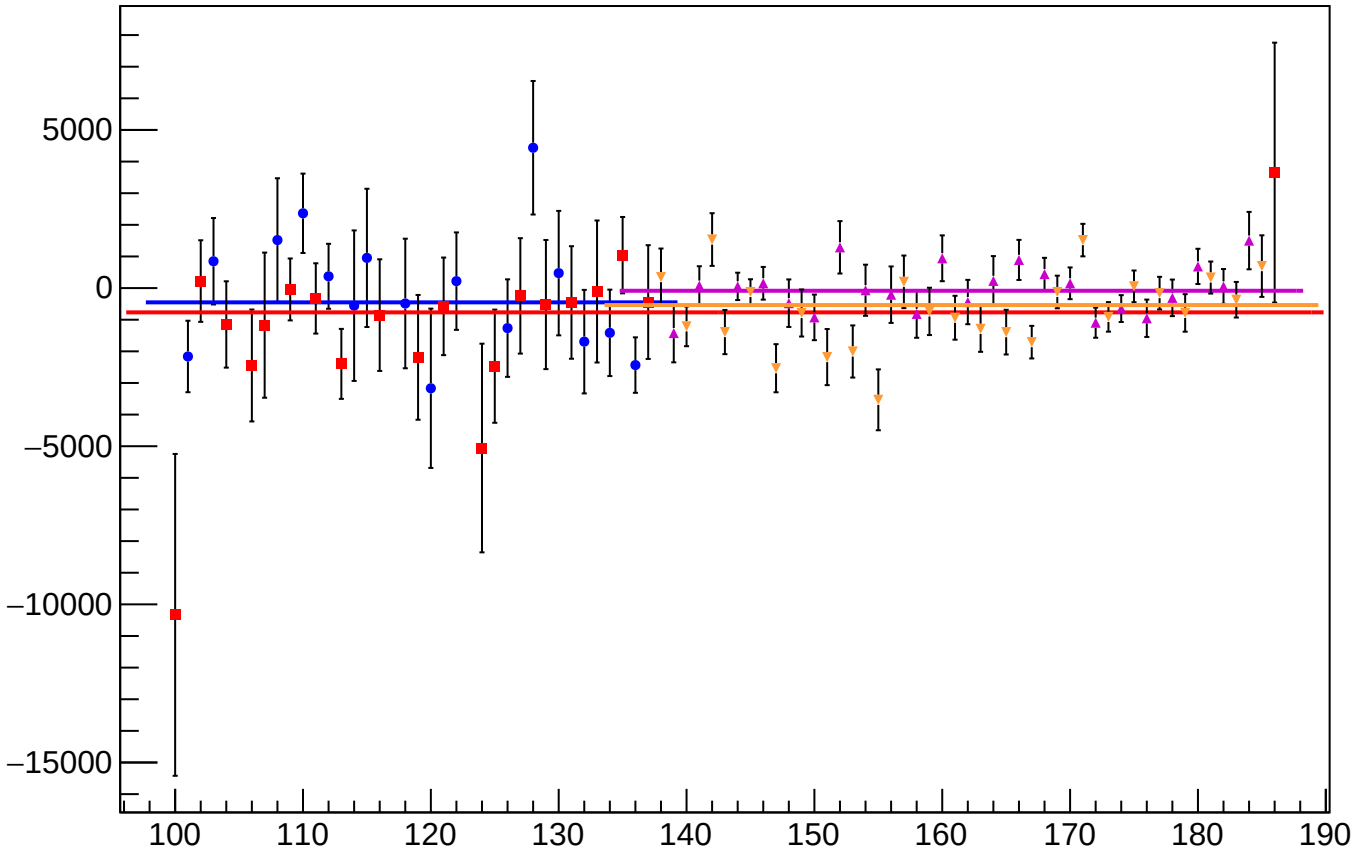
Right Out: 88.566+/-0.024 χ^2/NDF: 1557869.8/19

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 77.587+/-0.011 χ^2/NDF: 2635180.5/40

All: 77.946+/-0.008 χ^2/NDF: 5654446.8/83

- sign 78.322+/-0.011 χ^2/NDF: 3017130.1/42



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -767.677+/-356.516 χ^2/NDF: 14.8/19

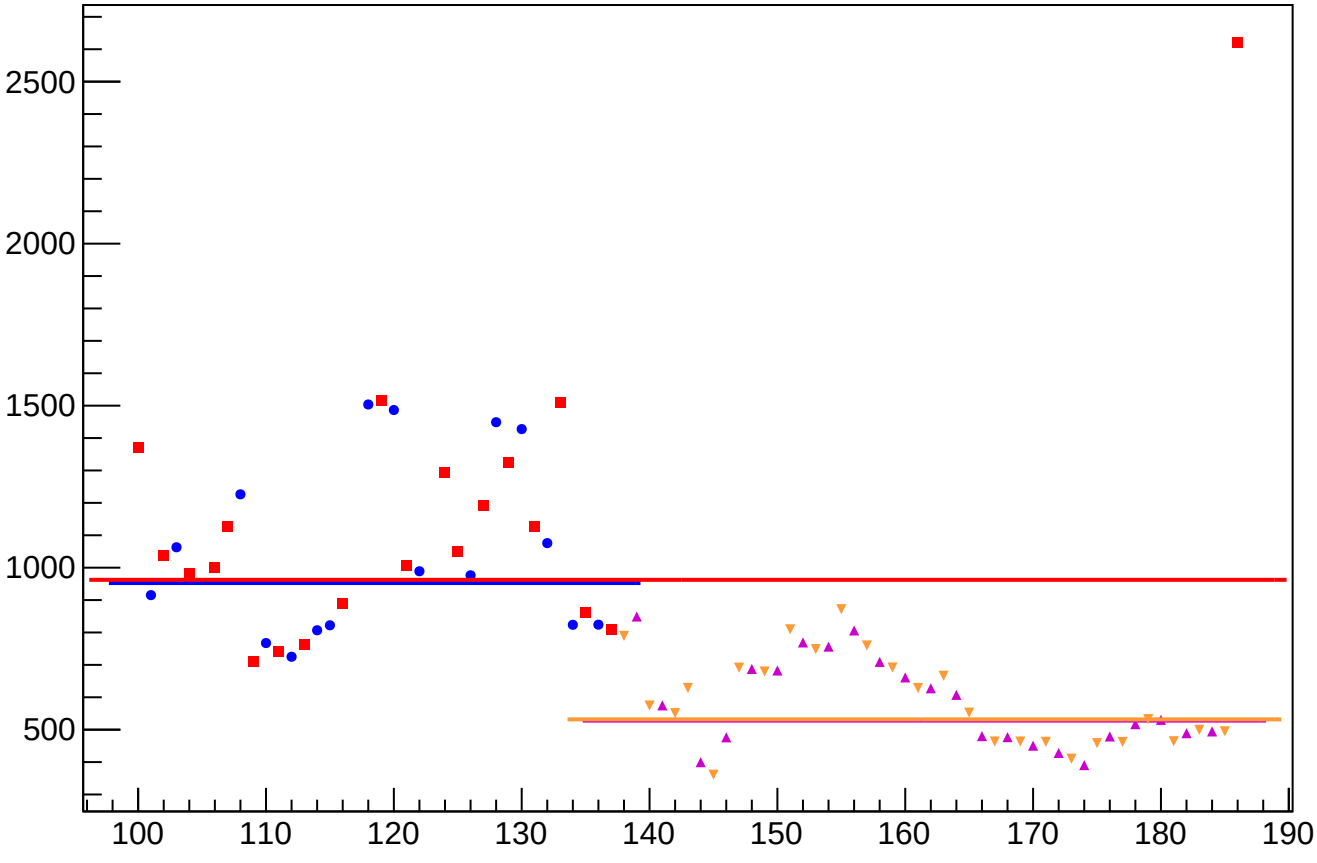
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

\+ sign -527.918+/-117.830 χ^2/NDF: 90.8/40

All: -347.606+/-83.961 χ^2/NDF: 141.1/83

\- sign -161.622+/-119.669 χ^2/NDF: 45.5/42

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 962.471+/-0.252 χ^2/NDF: 1079865.3/19

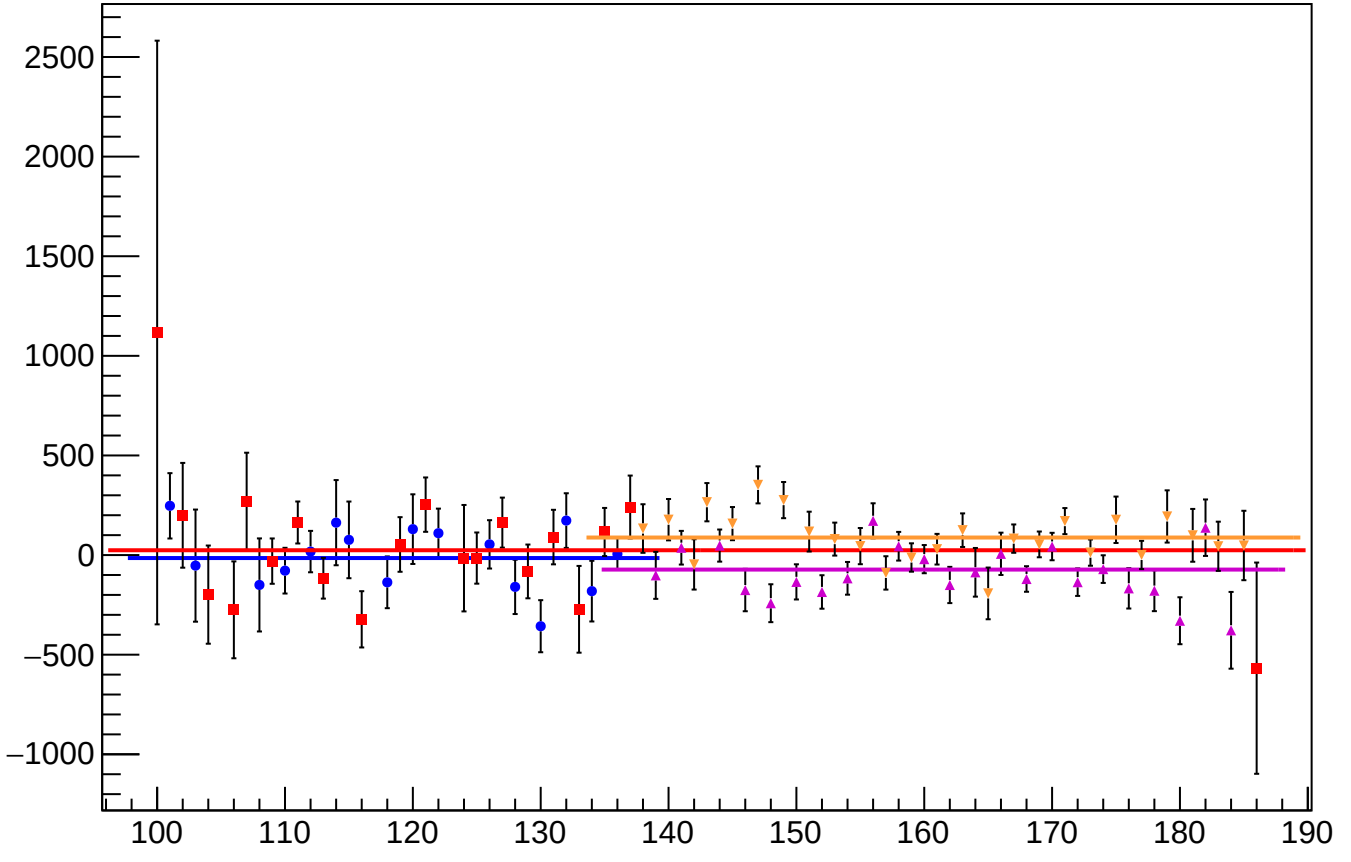
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 575.568+/-0.083 χ^2/NDF: 5156985.8/40

All: 576.243+/-0.059 χ^2/NDF: 10673217.6/83

- sign 576.939+/-0.085 χ^2/NDF: 5516098.5/42

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 24.213+/-34.003 χ^2/NDF: 24.9/19

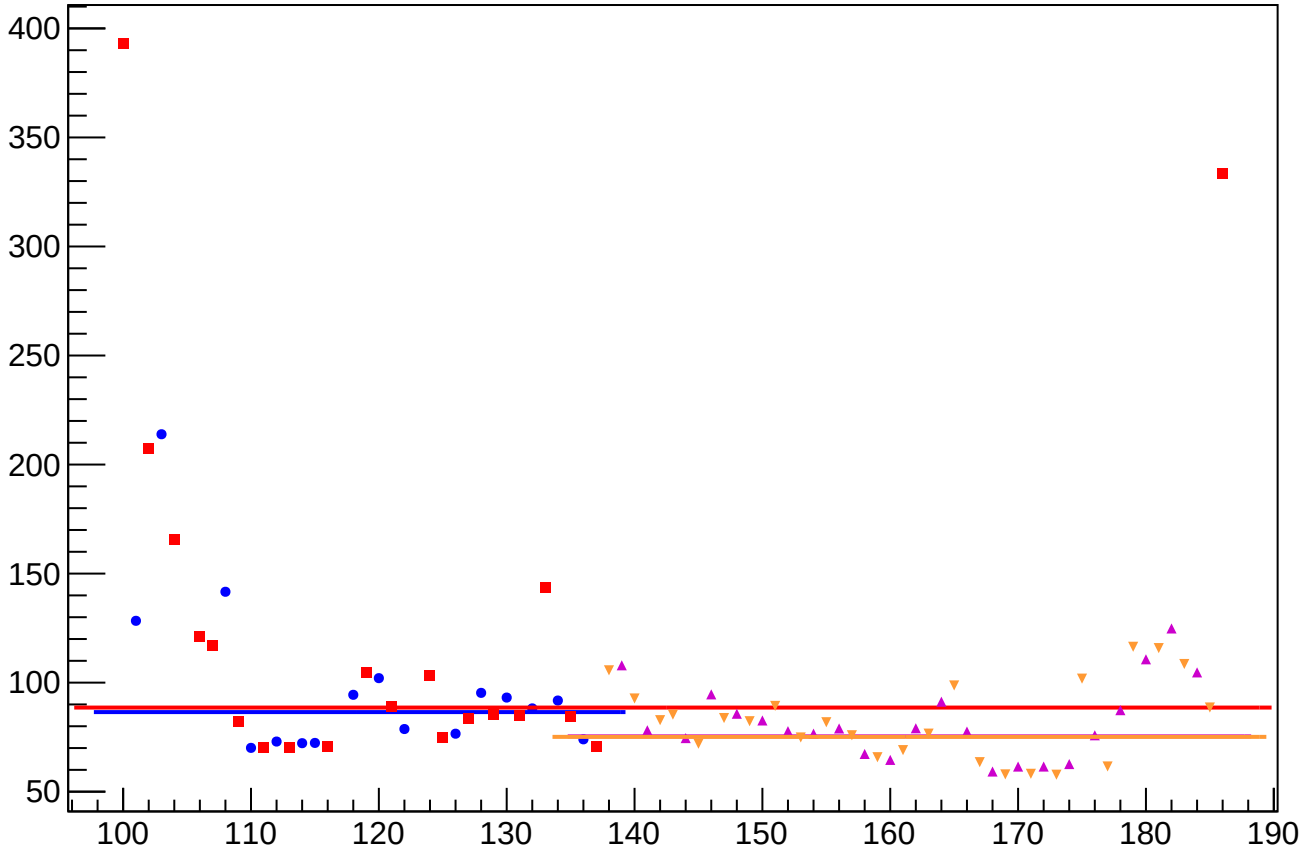
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 65.747+/-15.707 χ^2/NDF: 62.5/40

All: 8.762+/-11.242 χ^2/NDF: 159.1/83

- sign -51.094+/-16.098 χ^2/NDF: 69.6/42

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

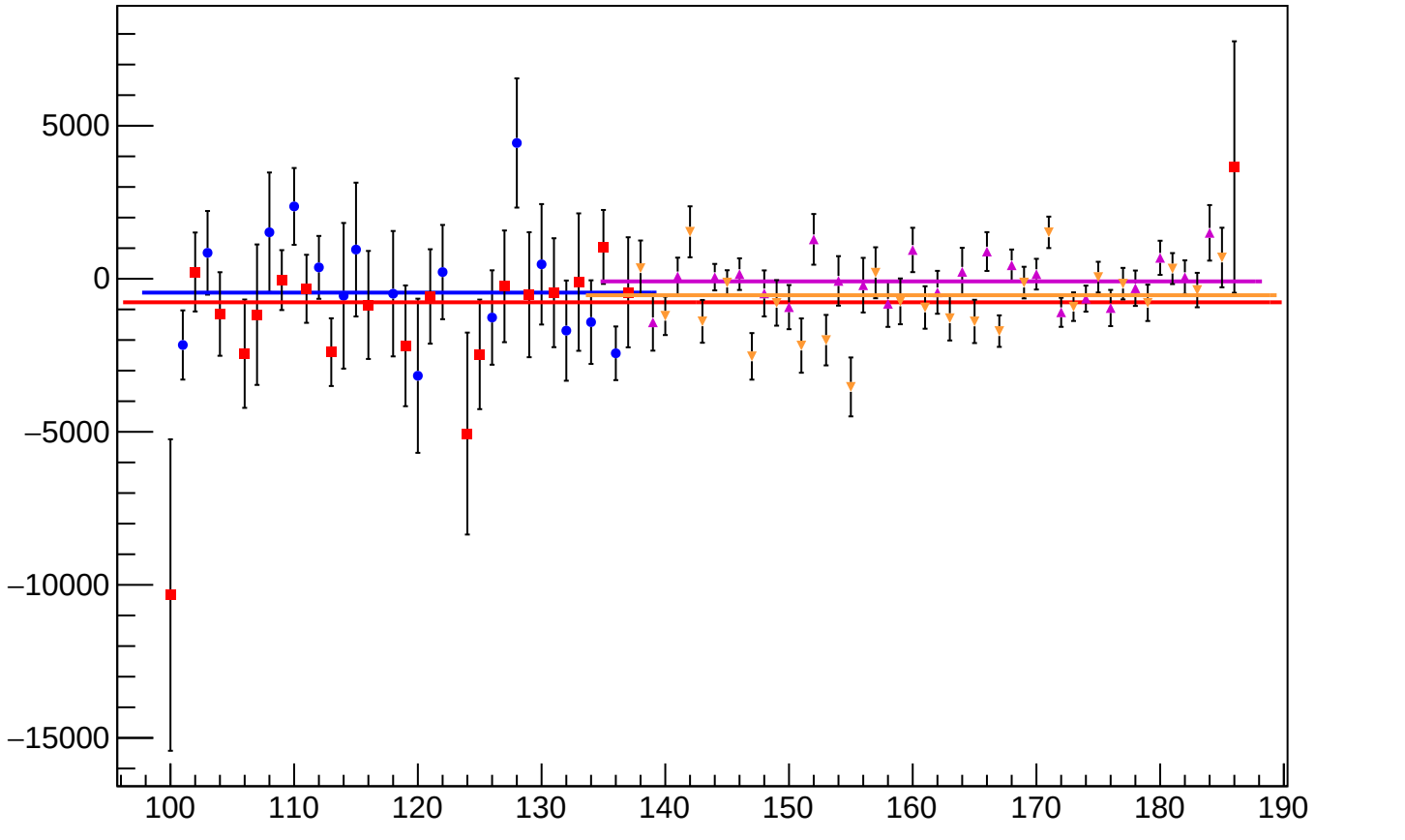
Right Out: 88.566+/-0.024 χ^2/NDF: 1557866.4/19

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 77.587+/-0.011 χ^2/NDF: 2635175.2/40

All: 77.946+/-0.008 χ^2/NDF: 5654445.2/83

- sign 78.322+/-0.011 χ^2/NDF: 3017133.9/42



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: -767.677+/-356.515 χ^2/NDF: 14.8/19

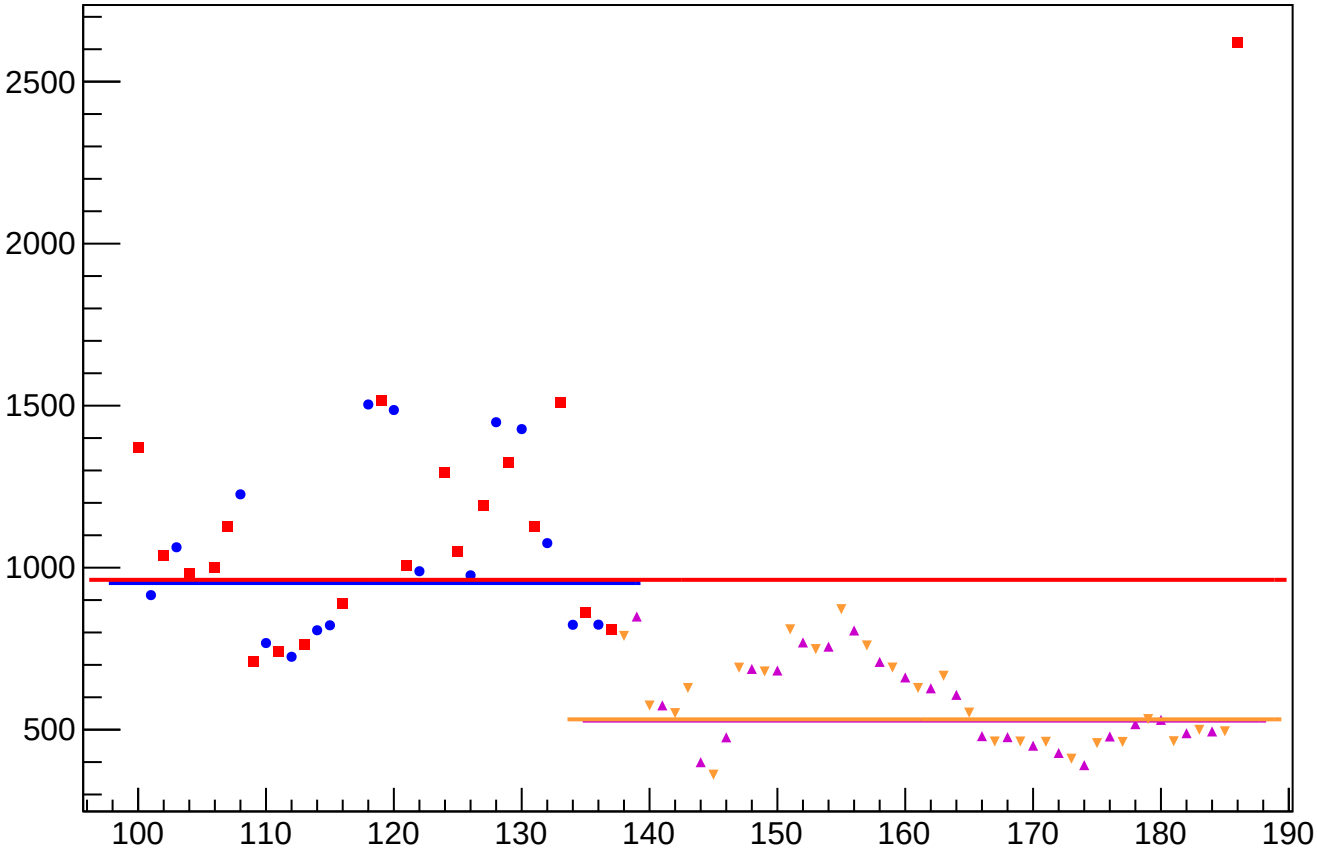
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

\+ sign -527.918+/-117.830 χ^2/NDF: 90.8/40

All: -347.606+/-83.961 χ^2/NDF: 141.1/83

\- sign -161.622+/-119.669 χ^2/NDF: 45.5/42

asym_sam_37_avg_eigen_dit_correction_rms vs Slug



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 962.469+/-0.252 χ^2/NDF: 1079865.3/19

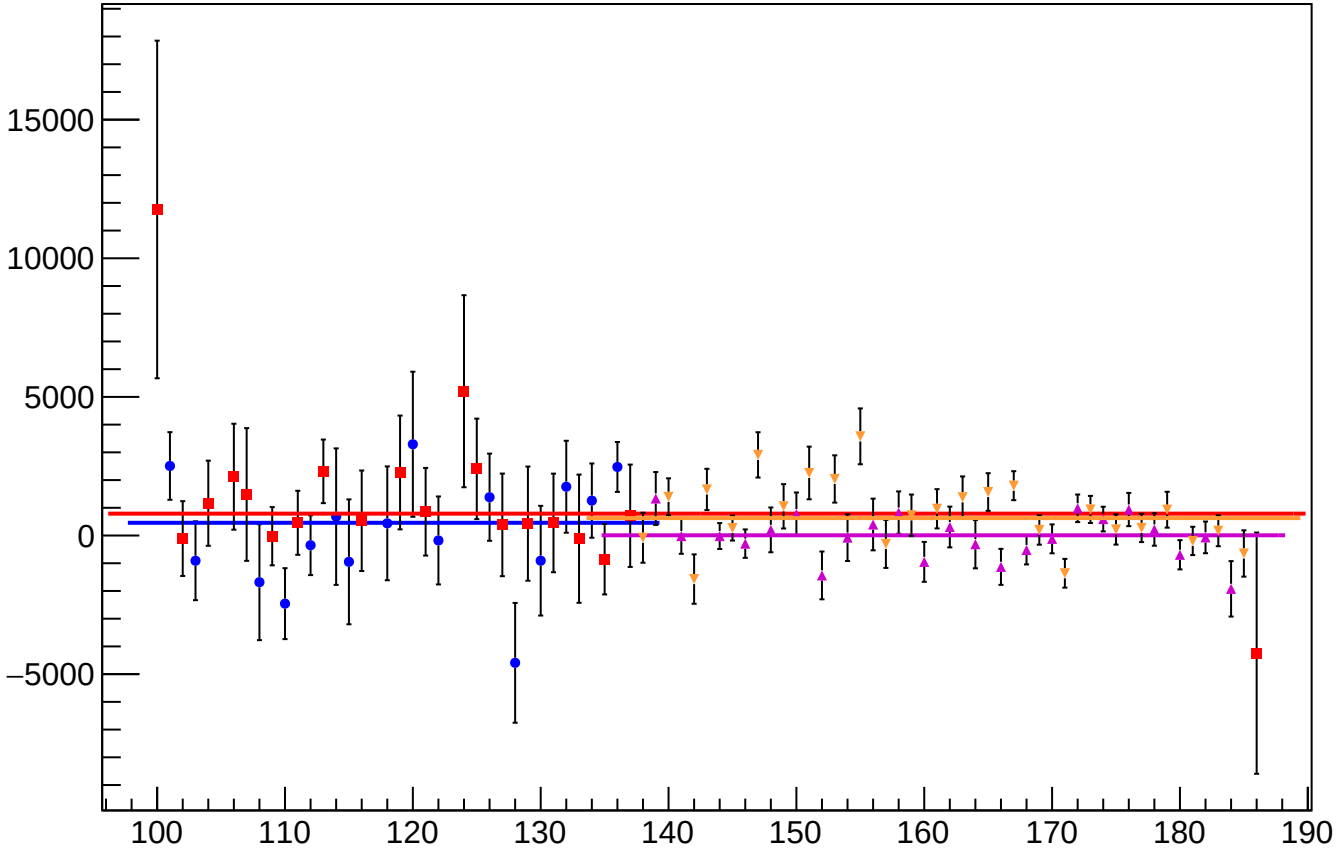
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 575.567+/-0.083 χ^2/NDF: 5156974.3/40

All: 576.242+/-0.059 χ^2/NDF: 10673189.7/83

- sign 576.938+/-0.085 χ^2/NDF: 5516082.1/42

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 789.297+/-372.867 χ^2/NDF: 13.0/19

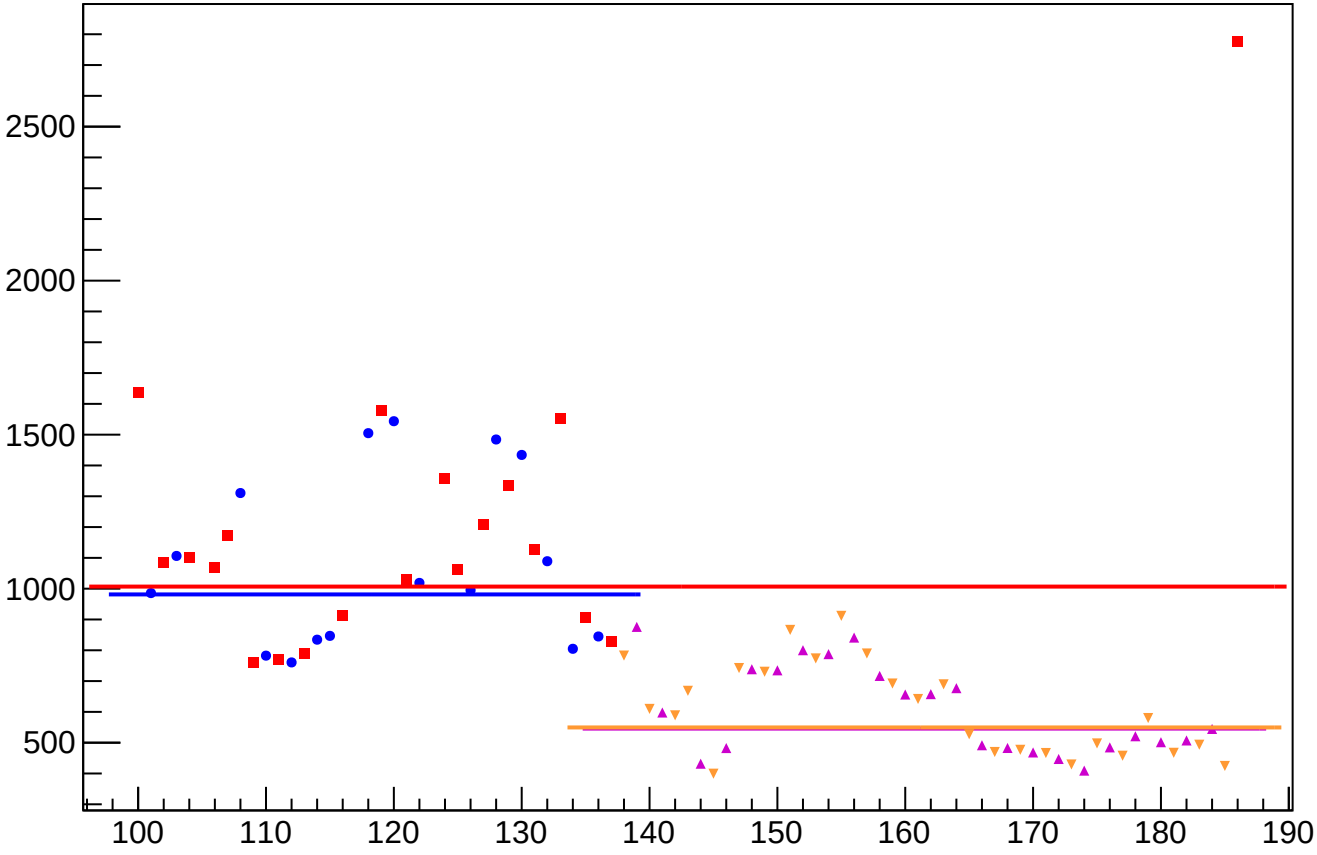
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 611.561+/-121.924 χ^2/NDF: 89.6/40

All: 357.099+/-86.882 χ^2/NDF: 142.7/83

- sign 94.590+/-123.837 χ^2/NDF: 44.2/42

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

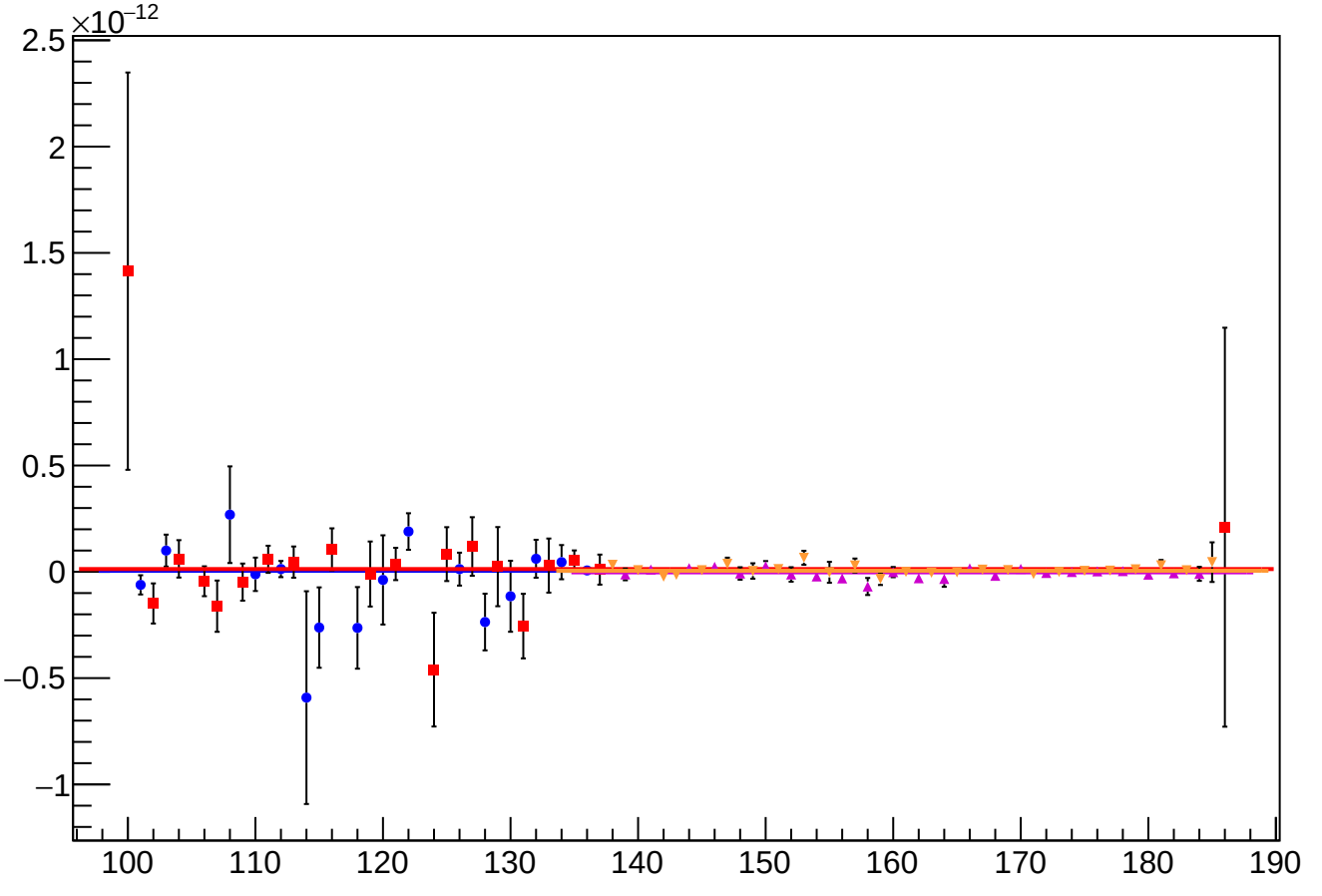
Right Out: 1006.774+/-0.264 χ^2/NDF: 1052942.2/19

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 594.675+/-0.086 χ^2/NDF: 5143013.5/40

All: 595.606+/-0.061 χ^2/NDF: 10731451.0/83

- sign 596.565+/-0.088 χ^2/NDF: 5588201.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

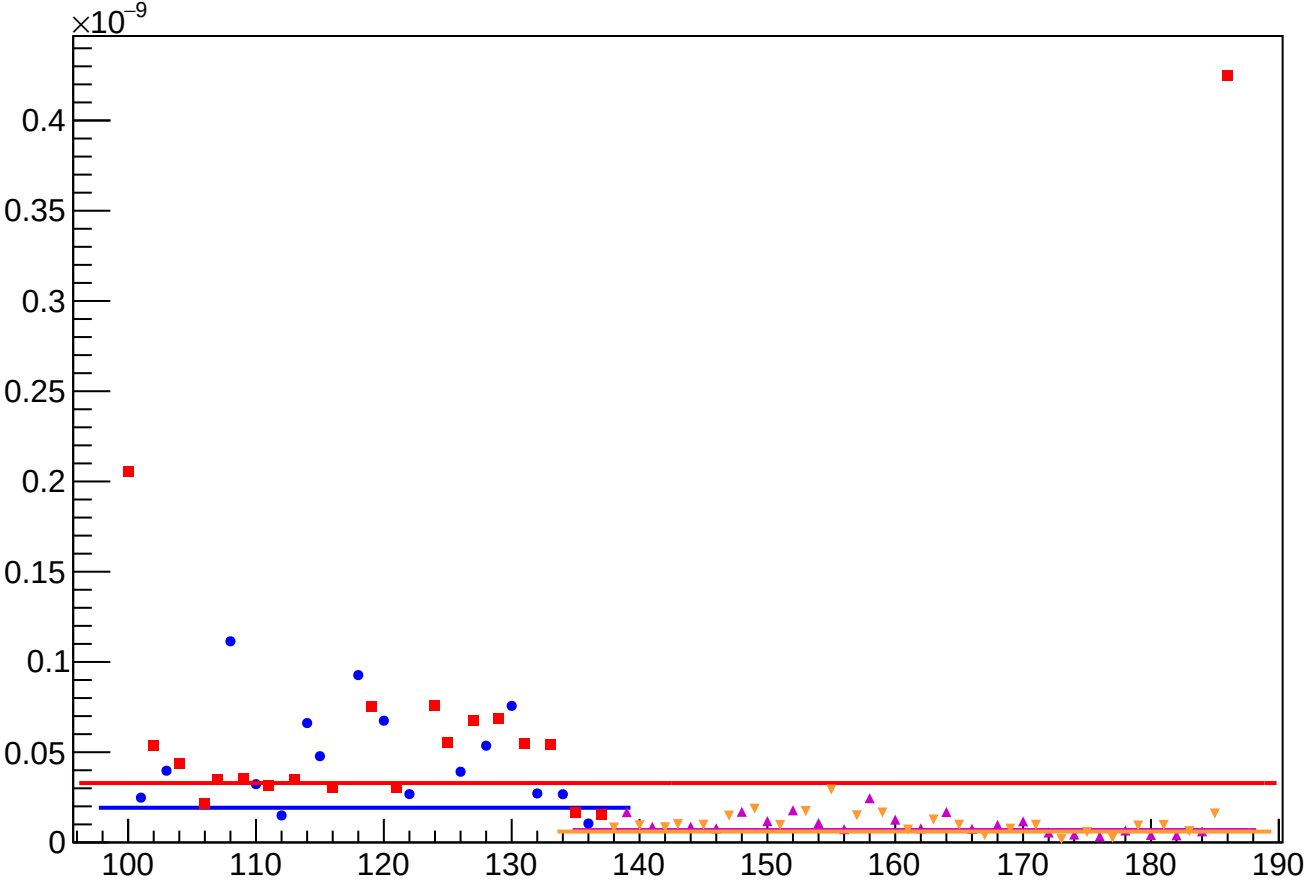
Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/19

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.3/40

All: 0.000+/-0.000 χ^2/NDF: 76.7/83

- sign -0.000+/-0.000 χ^2/NDF: 39.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1530644.0/19

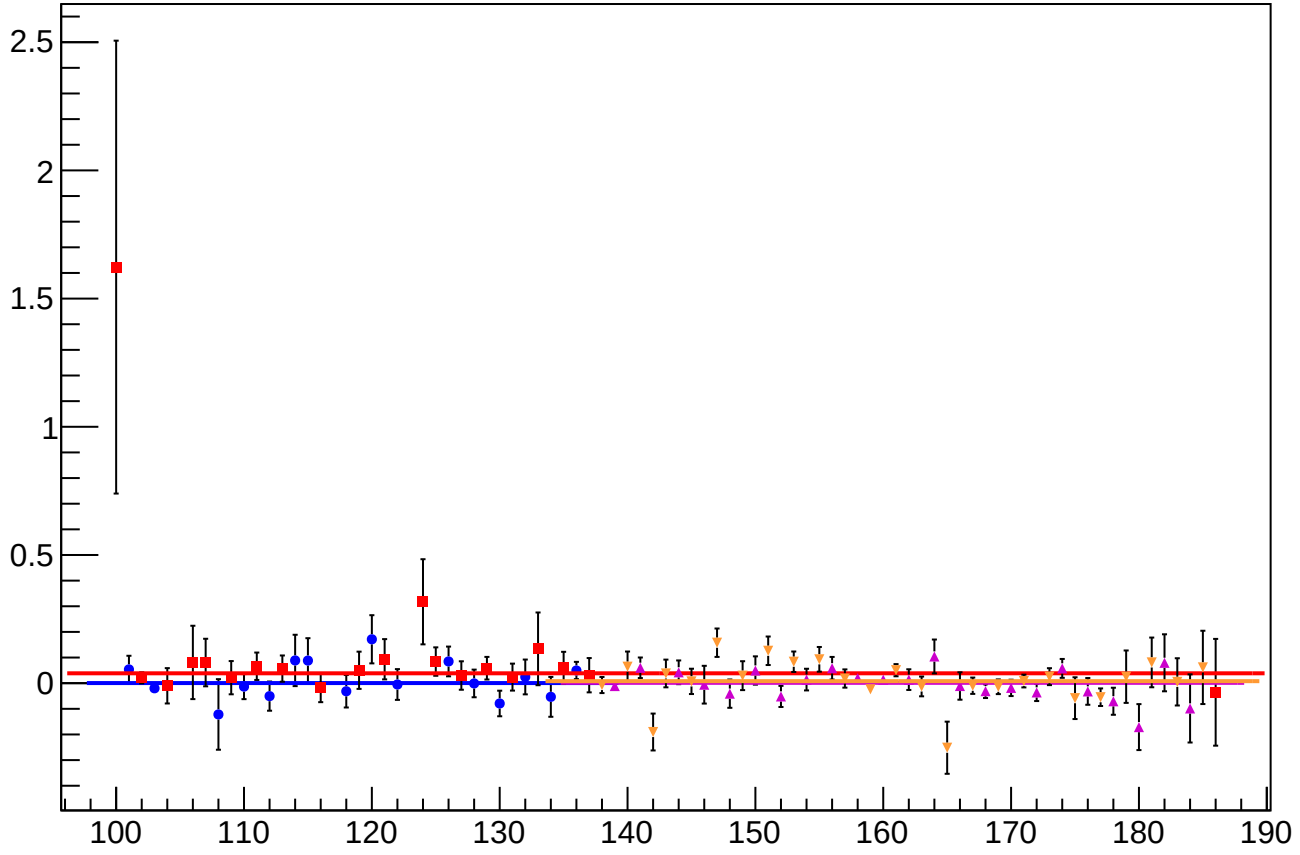
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7196804.8/40

All: 0.000+/-0.000 χ^2/NDF: 14306246.3/83

- sign 0.000+/-0.000 χ^2/NDF: 7024432.3/42

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.039+/-0.013 χ^2/NDF: 11.2/19

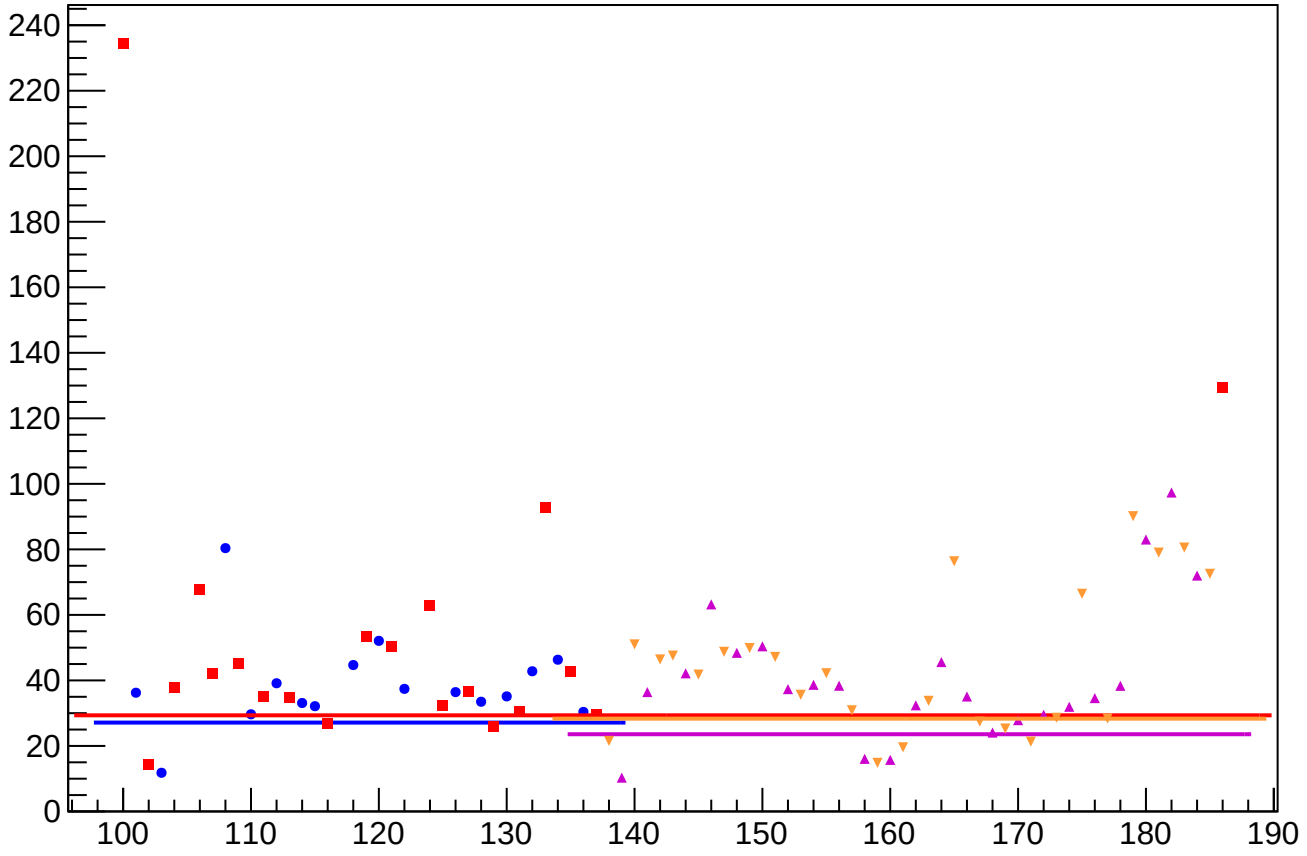
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 64.3/40

All: 0.008+/-0.004 χ^2/NDF: 107.6/83

- sign 0.010+/-0.006 χ^2/NDF: 43.1/42

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

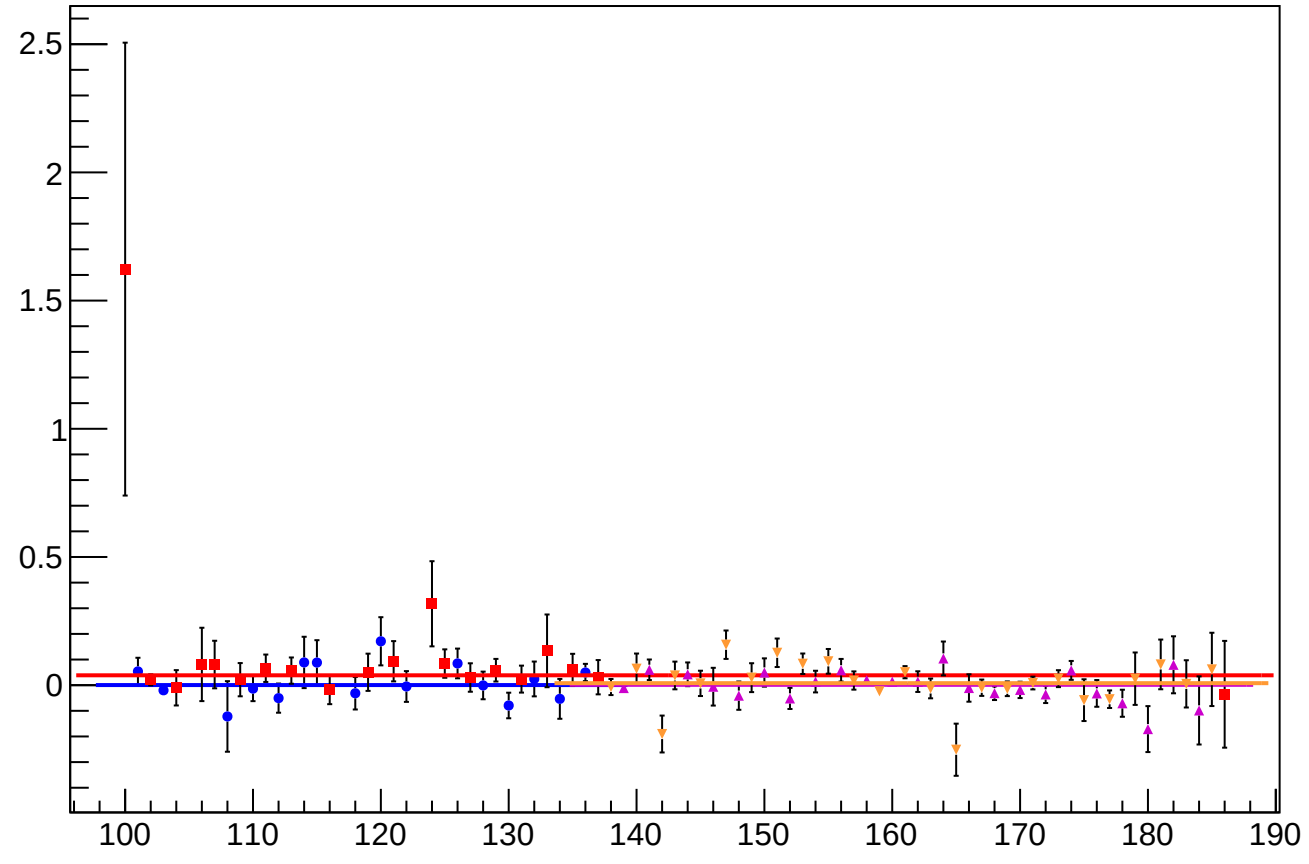
Right Out: 29.347+/-0.009 χ^2/NDF: 2918898.6/19

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 27.985+/-0.005 χ^2/NDF: 9217784.7/40

All: 26.324+/-0.003 χ^2/NDF: 20976549.8/83

- sign 24.874+/-0.004 χ^2/NDF: 11507457.7/42



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

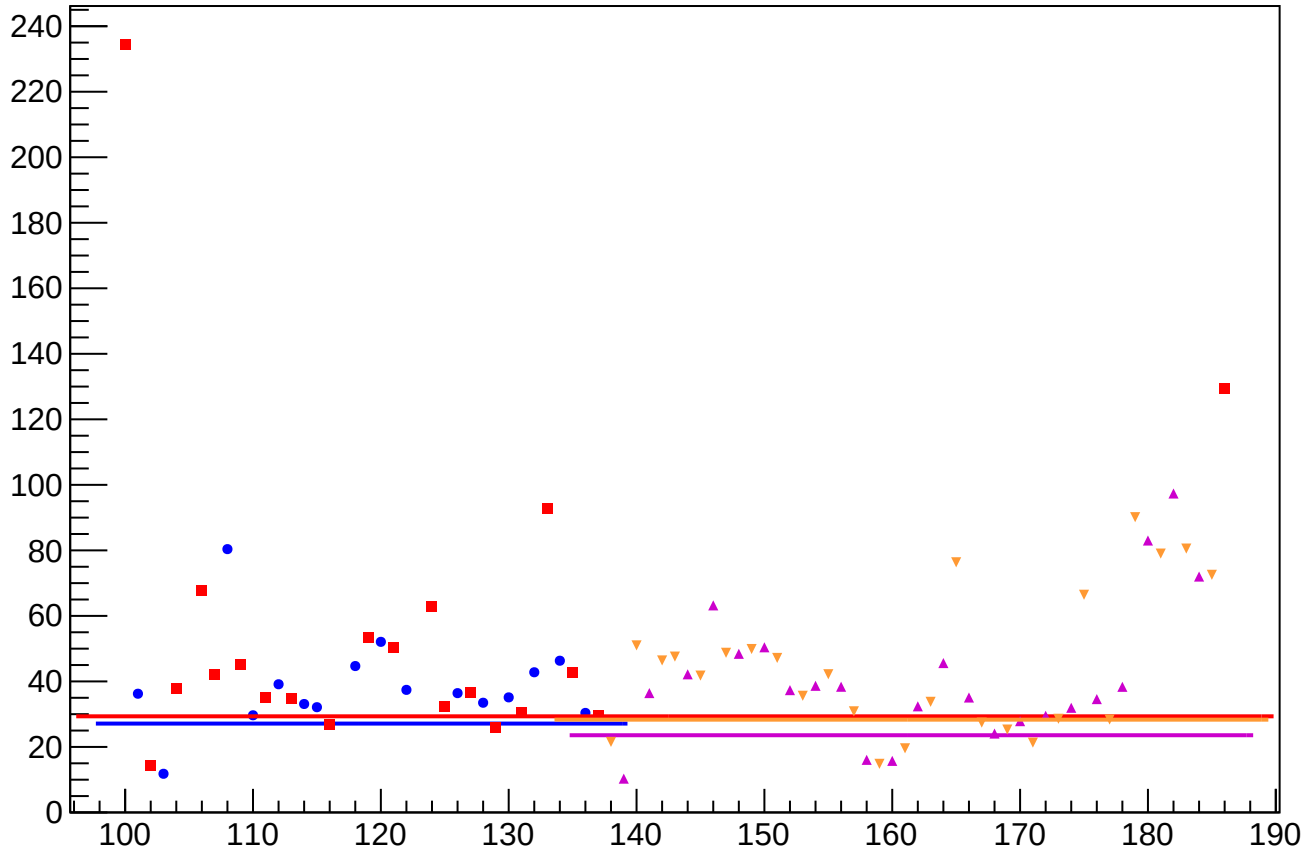
Right Out: 0.039+/-0.013 χ^2/NDF: 11.2/19

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 64.3/40

All: 0.008+/-0.004 χ^2/NDF: 107.6/83

- sign 0.010+/-0.006 χ^2/NDF: 43.1/42



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

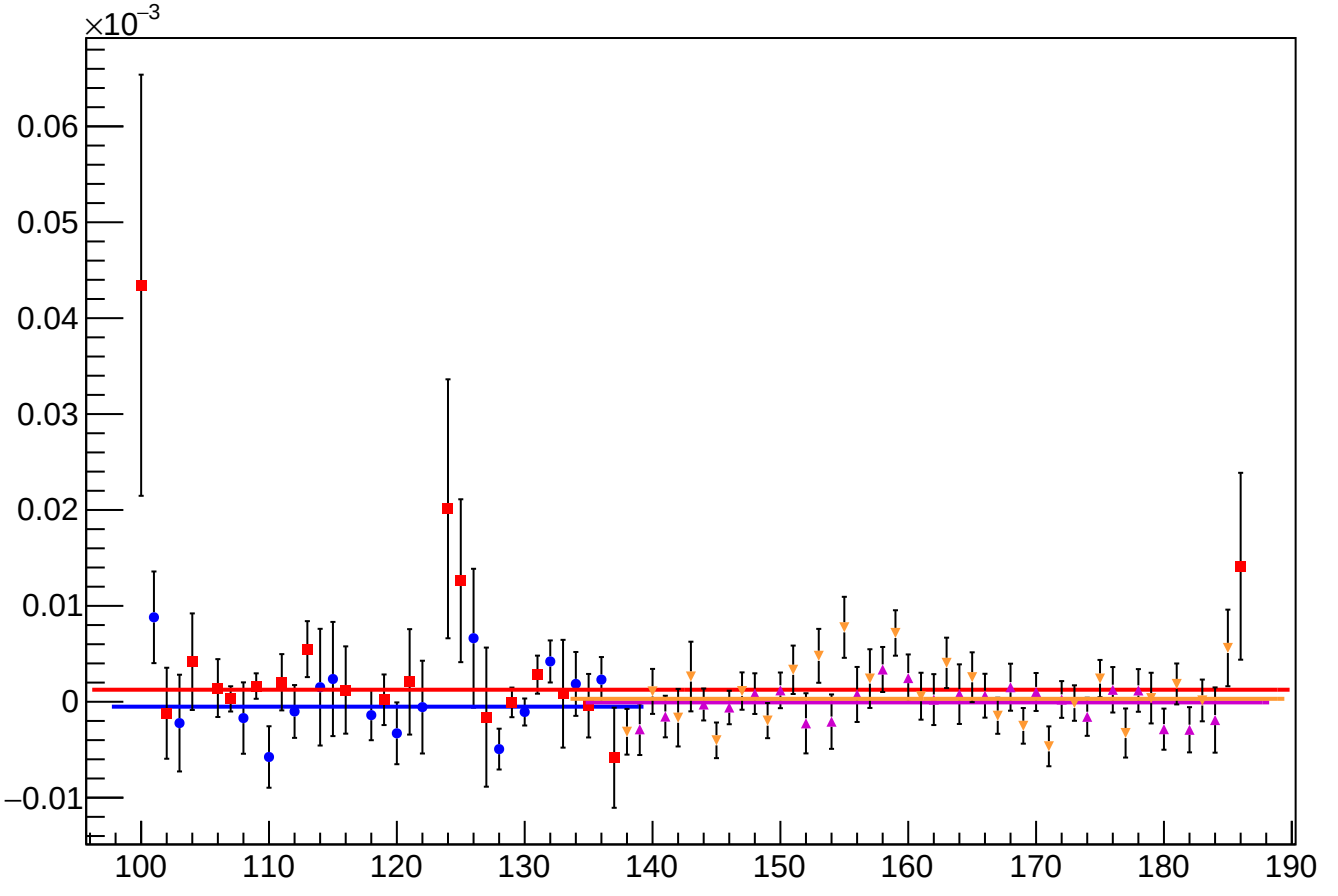
Right Out: 29.347+/-0.009 χ^2/NDF: 2918898.6/19

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 27.985+/-0.005 χ^2/NDF: 9217784.7/40

All: 26.324+/-0.003 χ^2/NDF: 20976549.8/83

- sign 24.874+/-0.004 χ^2/NDF: 11507457.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

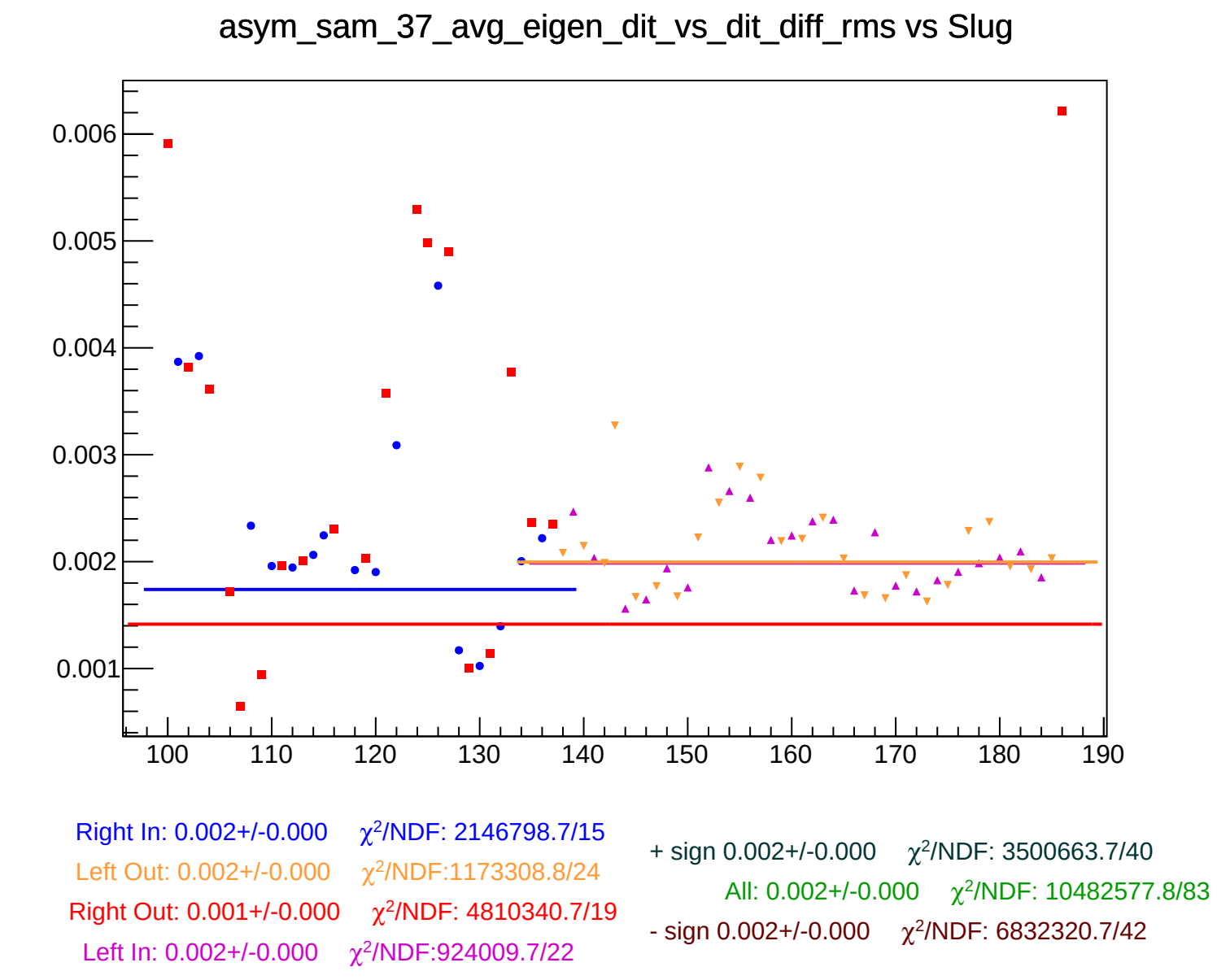
Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/19

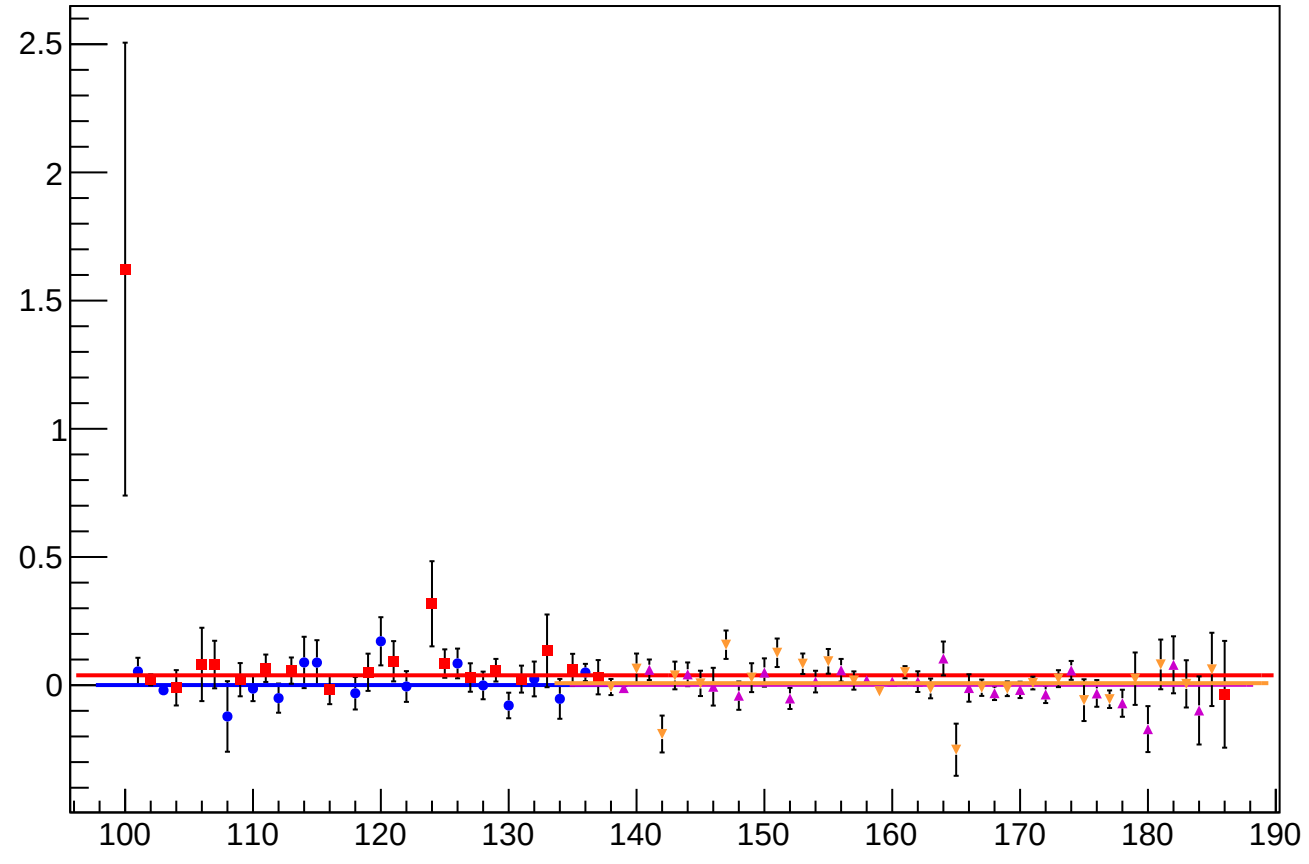
Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.5/40

All: 0.000+/-0.000 χ^2/NDF: 98.4/83

- sign 0.000+/-0.000 χ^2/NDF: 31.4/42


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug
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: 2146798.7/15
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: 3500663.7/40
All: 0.002+/-0.000 χ²/NDF: 10482577.8/83
- sign 0.002+/-0.000 χ²/NDF: 6832320.7/42



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.039+/-0.013 χ^2/NDF: 11.2/19

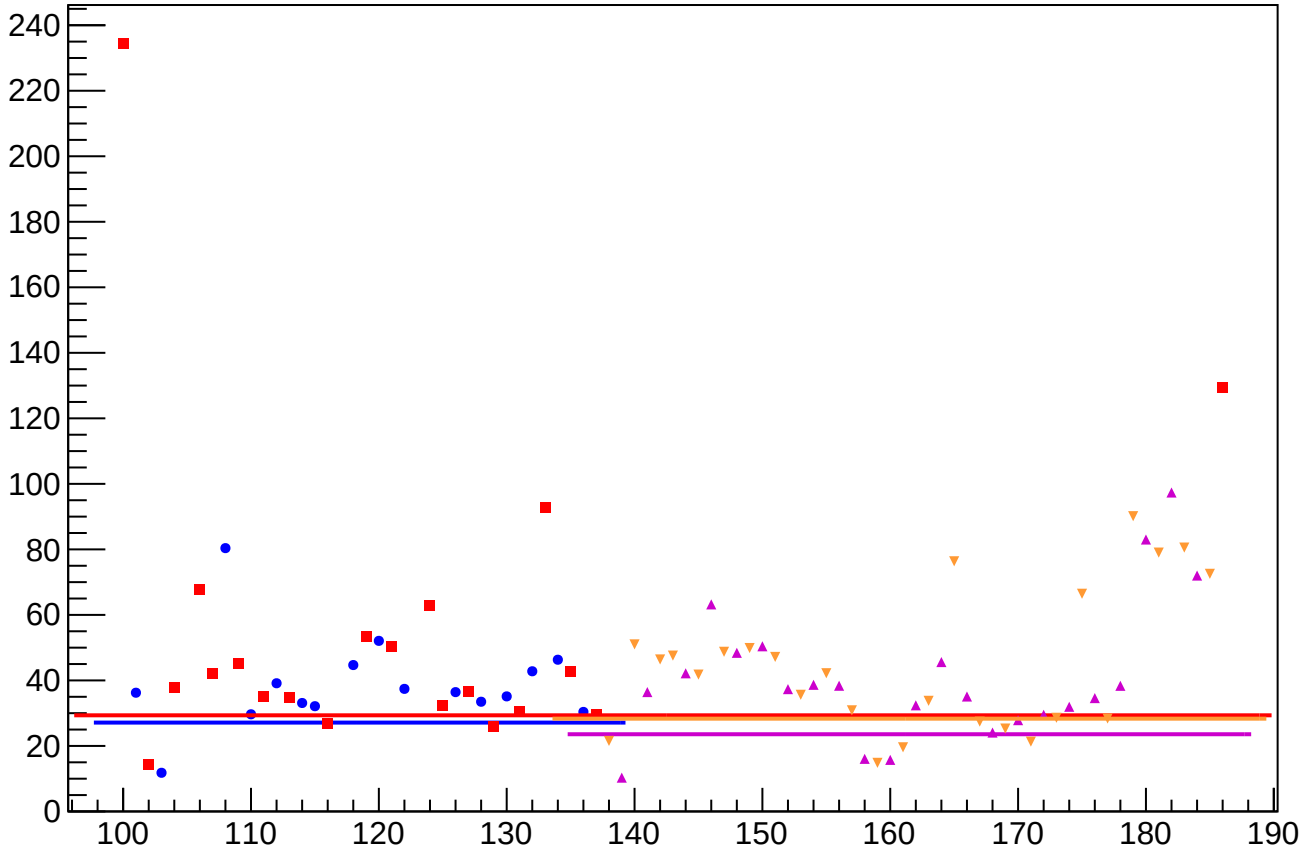
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 64.3/40

All: 0.008+/-0.004 χ^2/NDF: 107.6/83

- 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: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

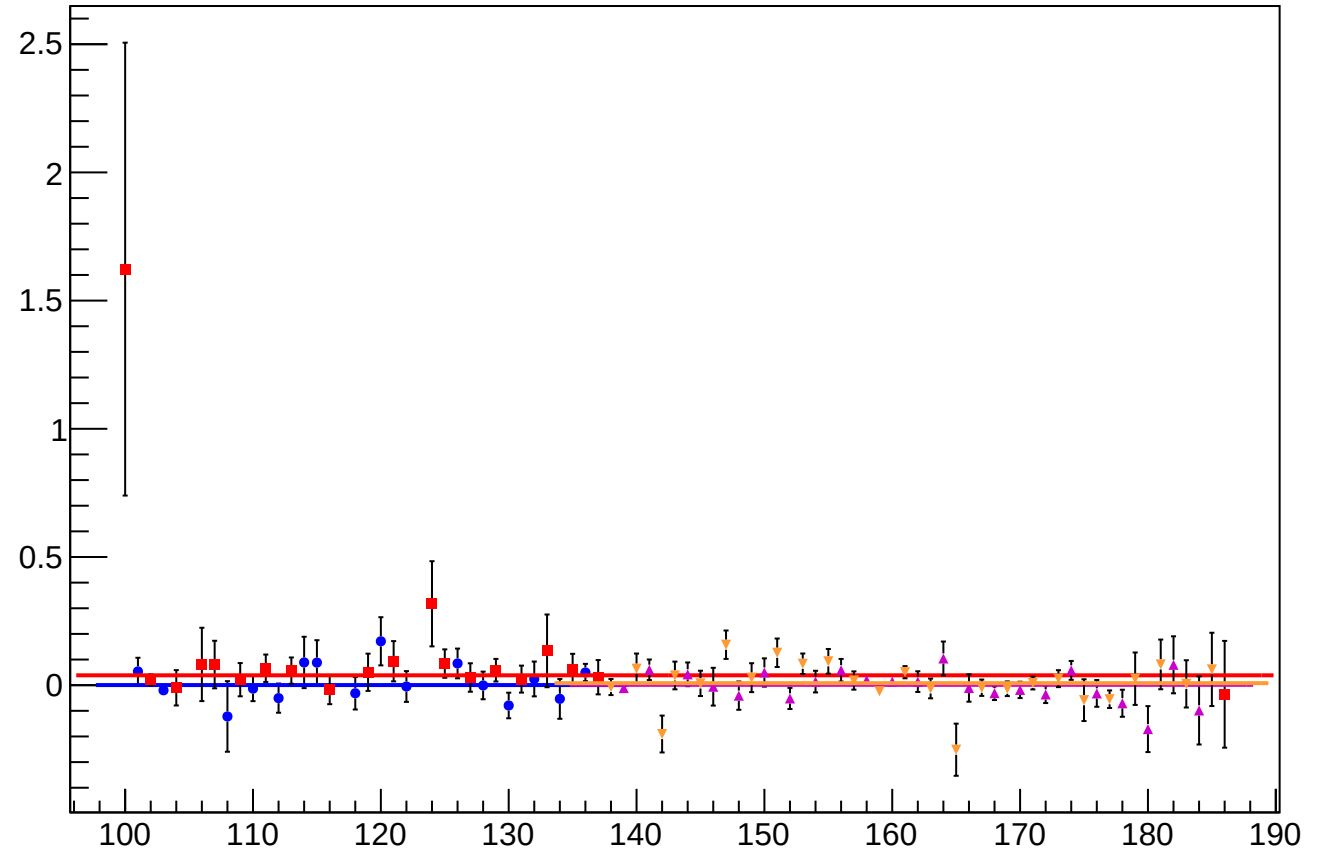
Right Out: 29.350+/-0.009 χ^2/NDF: 2918278.7/19

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 27.984+/-0.005 χ^2/NDF: 9218587.9/40

All: 26.324+/-0.003 χ^2/NDF: 20978197.8/83

- sign 24.874+/-0.004 χ^2/NDF: 11508303.3/42



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

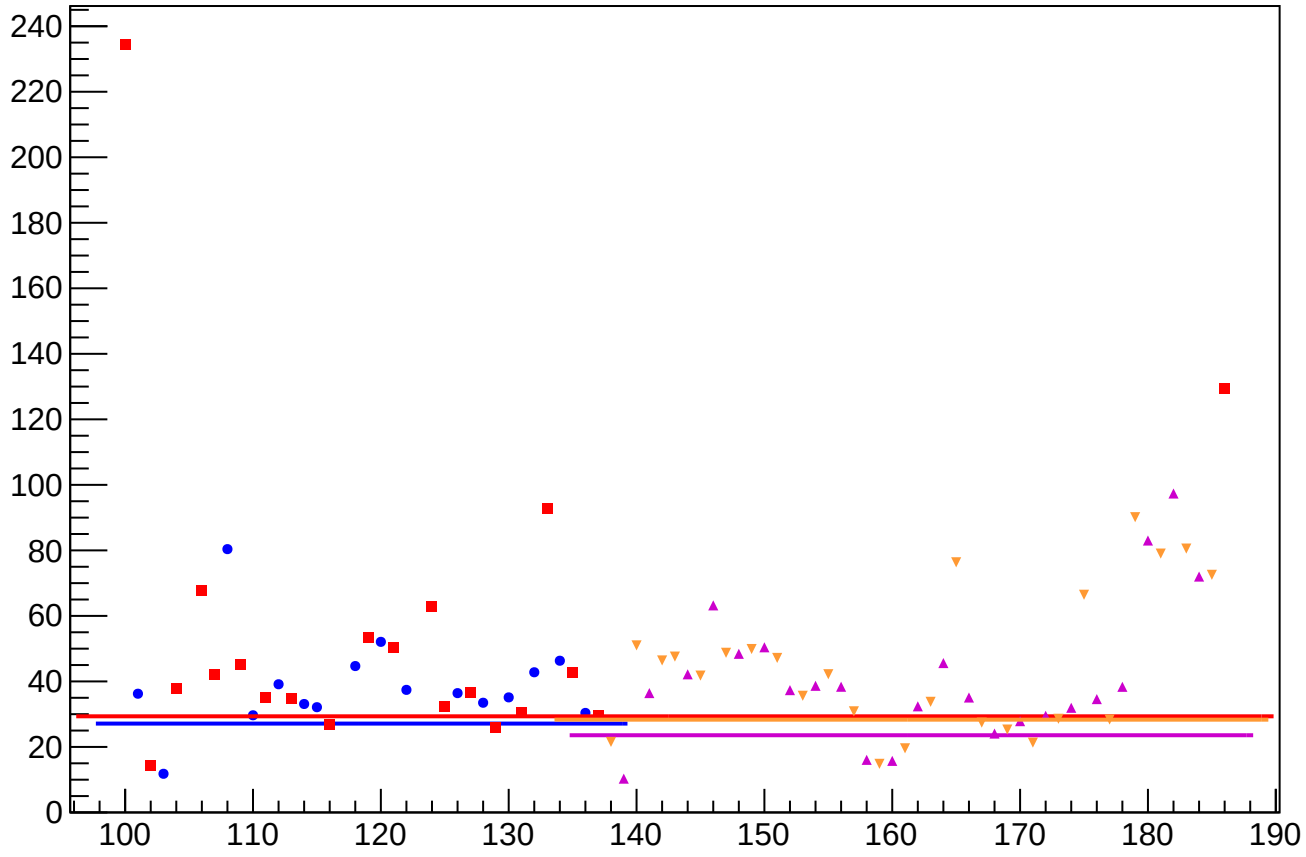
Right Out: 0.039+/-0.013 χ^2/NDF: 11.2/19

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 64.3/40

All: 0.008+/-0.004 χ^2/NDF: 107.6/83

- sign 0.010+/-0.006 χ^2/NDF: 43.1/42



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

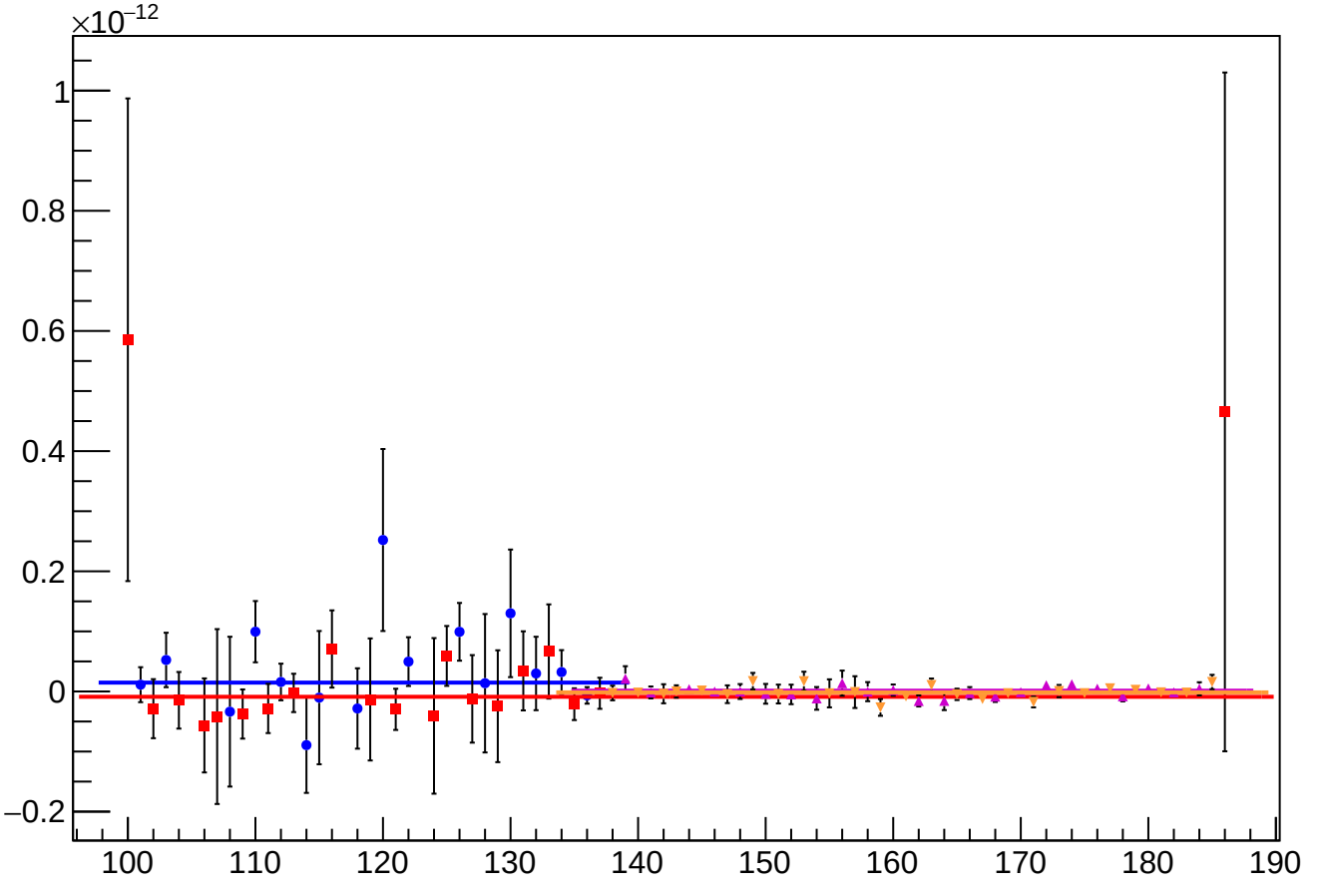
Right Out: 29.350+/-0.009 χ^2/NDF: 2918278.7/19

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 27.984+/-0.005 χ^2/NDF: 9218587.9/40

All: 26.324+/-0.003 χ^2/NDF: 20978197.8/83

- sign 24.874+/-0.004 χ^2/NDF: 11508303.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

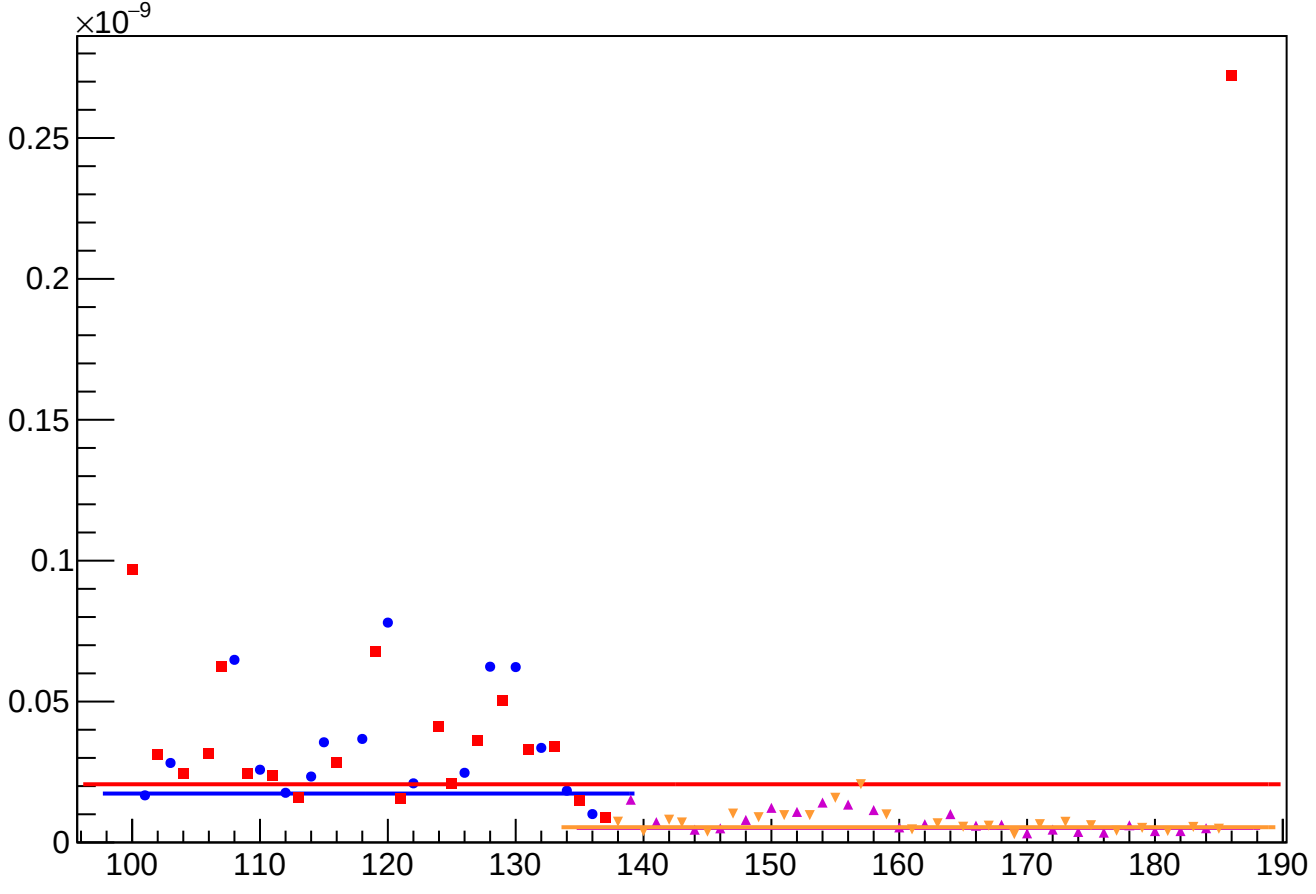
Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/19

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.4/40

All: 0.000+/-0.000 χ^2/NDF: 63.5/83

- sign 0.000+/-0.000 χ^2/NDF: 26.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2322789.9/19

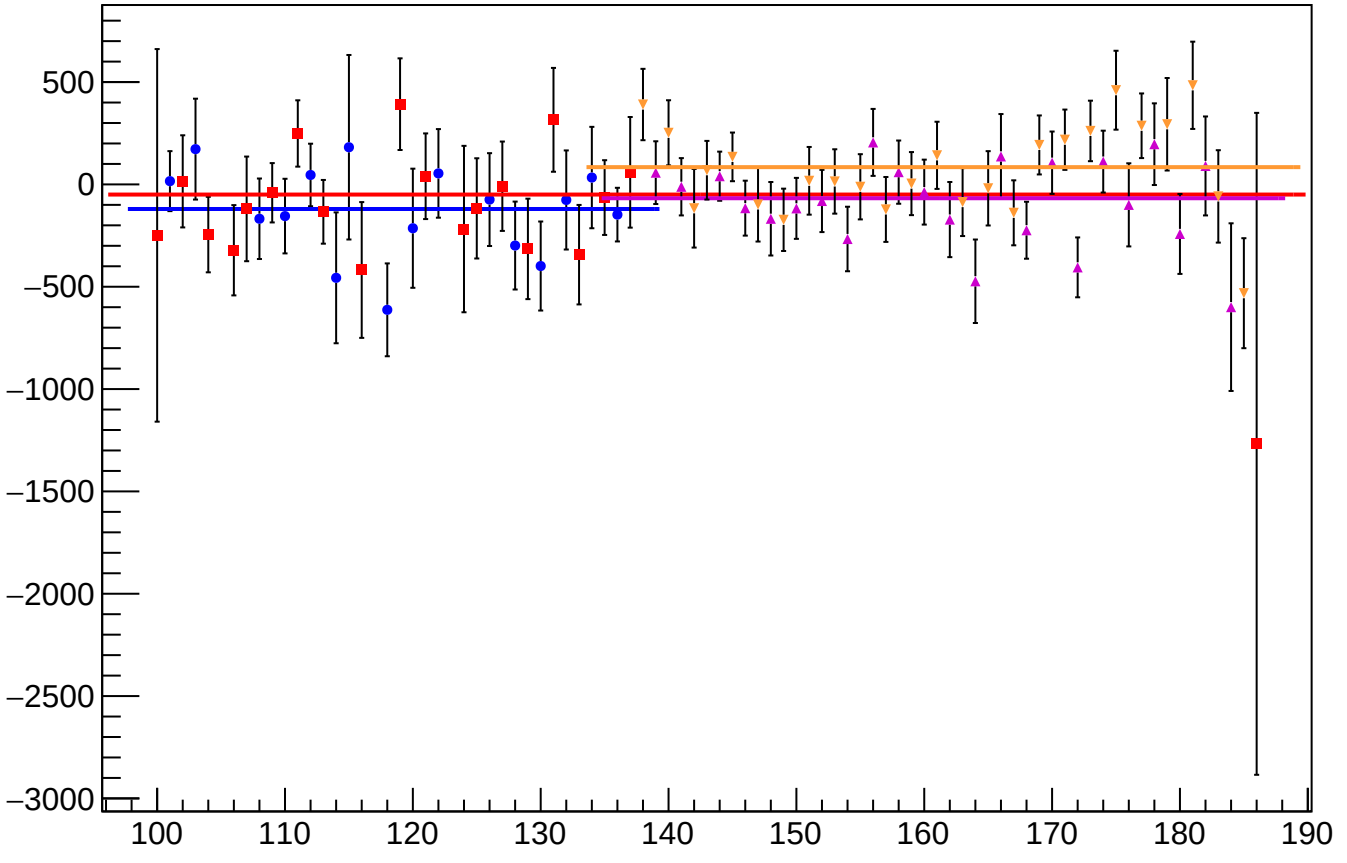
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8596809.2/40

All: 0.000+/-0.000 χ^2/NDF: 18324540.2/83

- sign 0.000+/-0.000 χ^2/NDF: 9705353.4/42

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -49.609+/-49.886 χ^2/NDF: 17.6/19

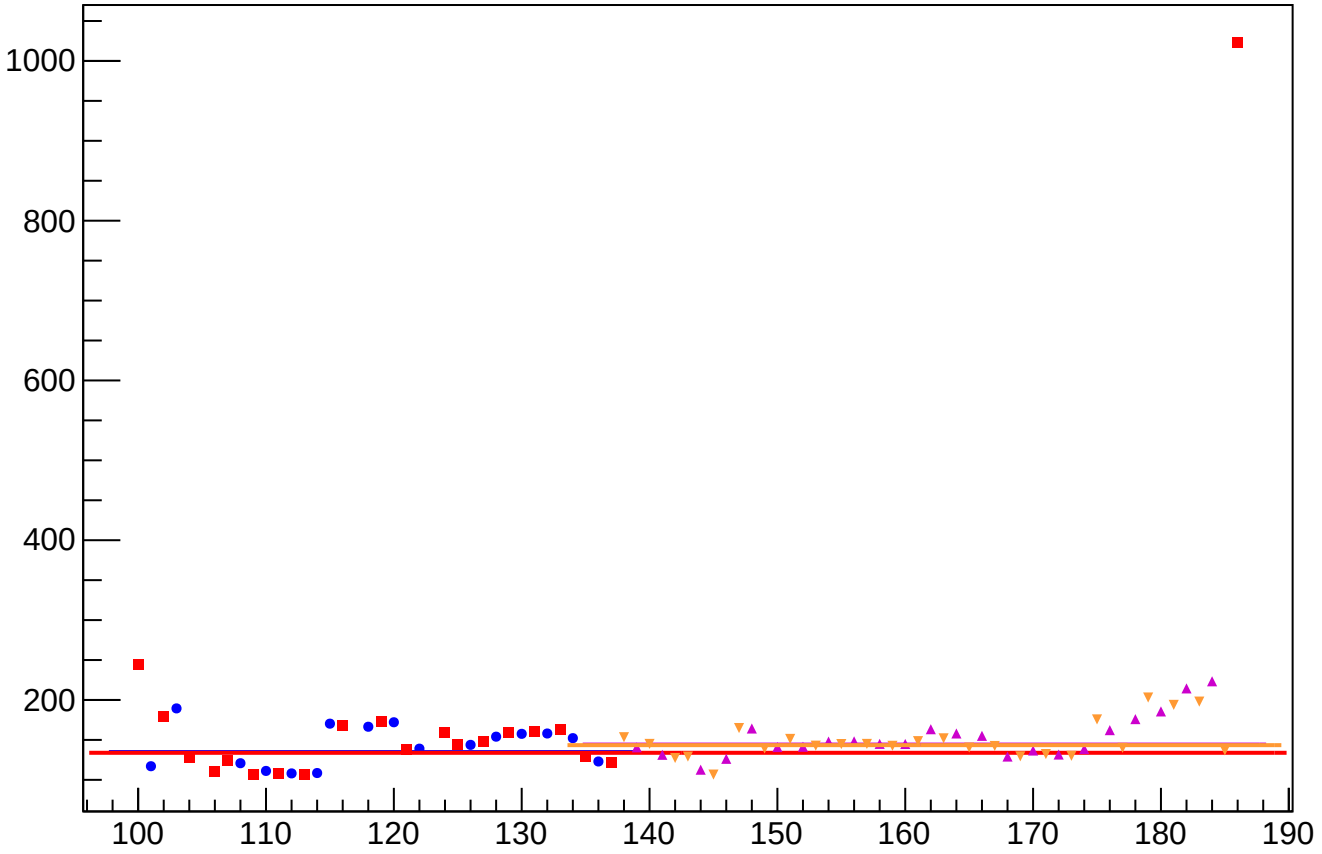
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 24.057+/-27.743 χ^2/NDF: 58.5/40

All: -18.259+/-19.767 χ^2/NDF: 107.4/83

- sign -61.893+/-28.172 χ^2/NDF: 44.2/42

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 133.866+/-0.035 χ^2/NDF: 1100904.6/19

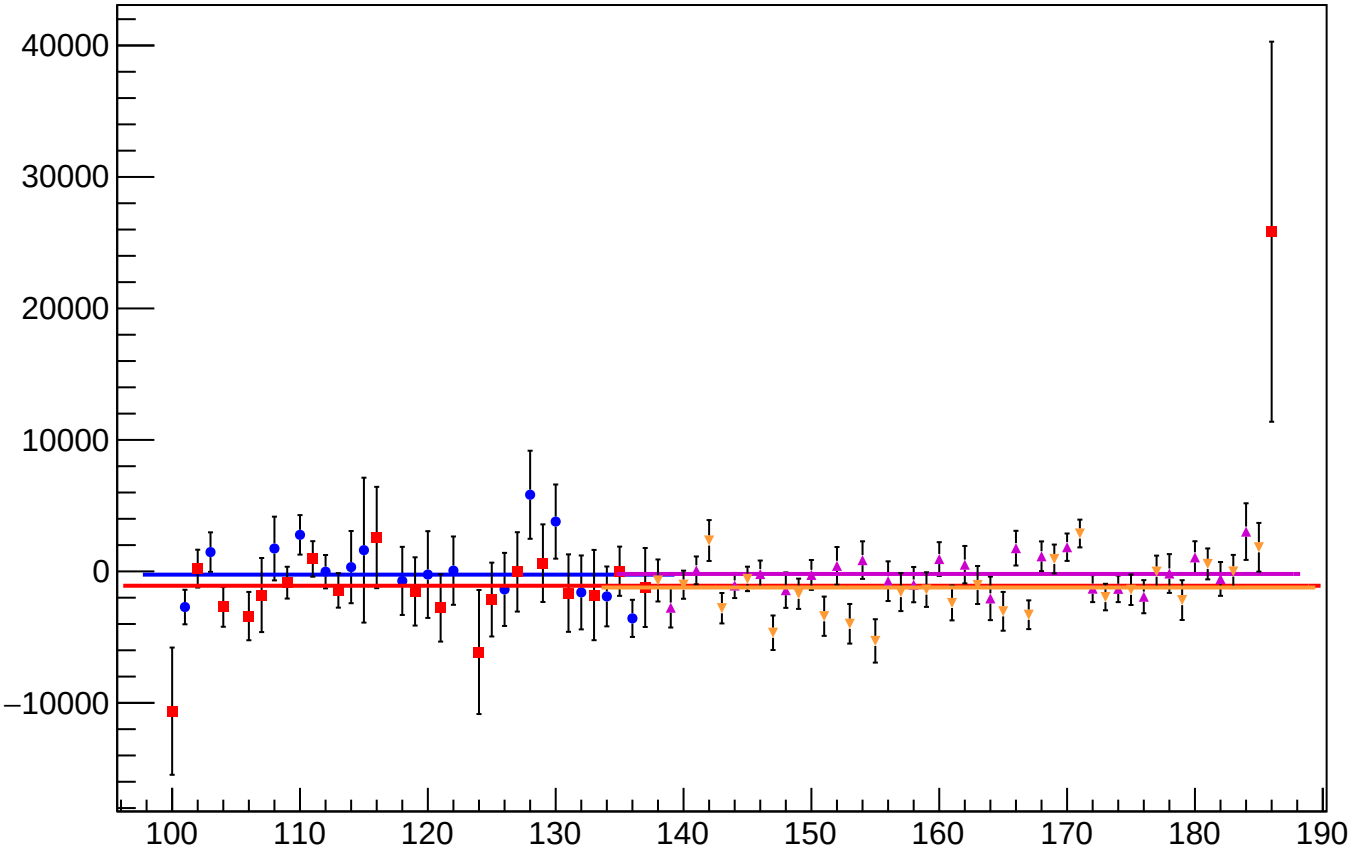
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 140.888+/-0.020 χ^2/NDF: 1204441.8/40

All: 140.886+/-0.014 χ^2/NDF: 3066176.0/83

- sign 140.884+/-0.020 χ^2/NDF: 1861734.2/42

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1091.144+/-468.154 χ^2/NDF: 16.9/19

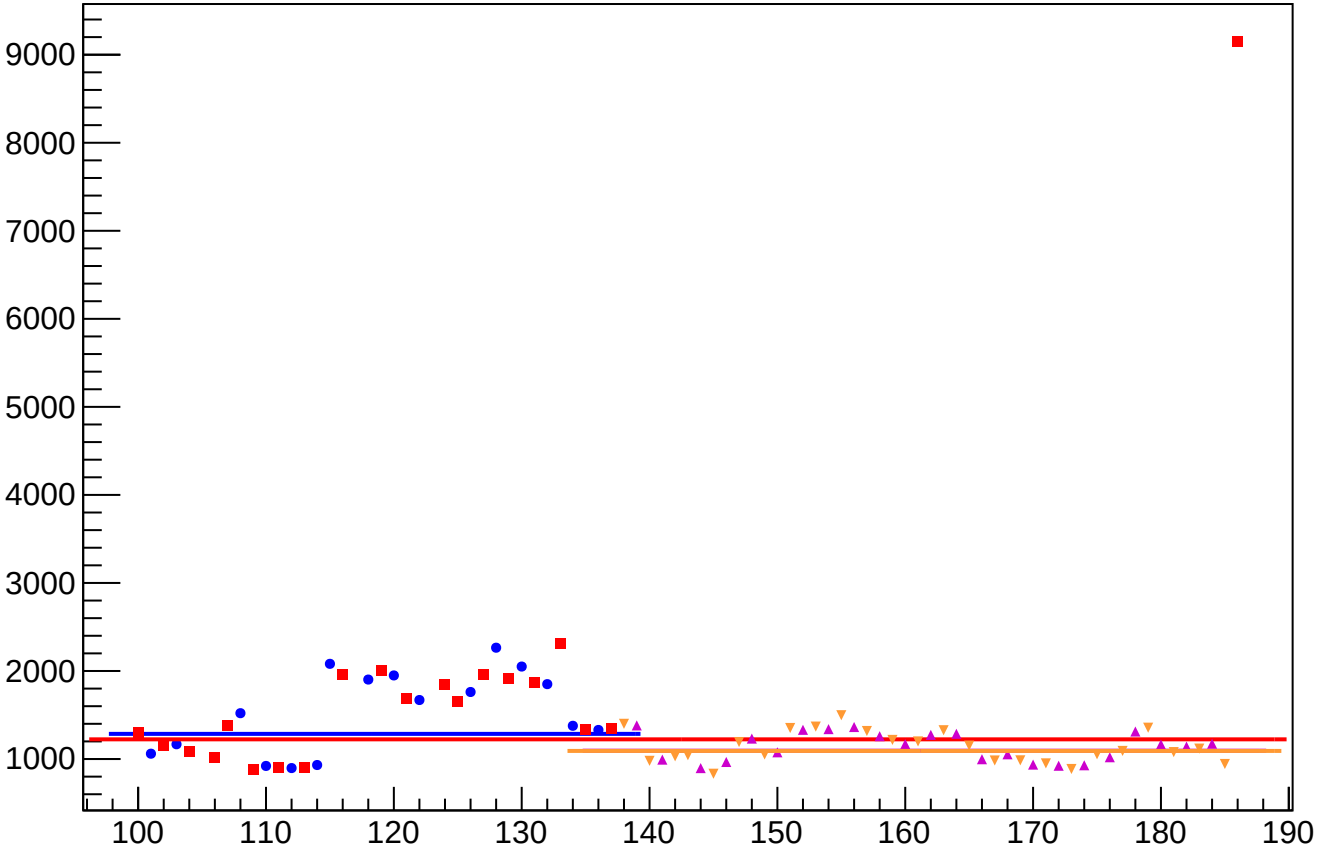
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1027.985+/-224.997 χ^2/NDF: 83.9/40

All: -718.173+/-159.652 χ^2/NDF: 130.7/83

- sign -403.995+/-226.577 χ^2/NDF: 43.0/42

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1223.560+/-0.331 χ^2/NDF: 1988267.7/19

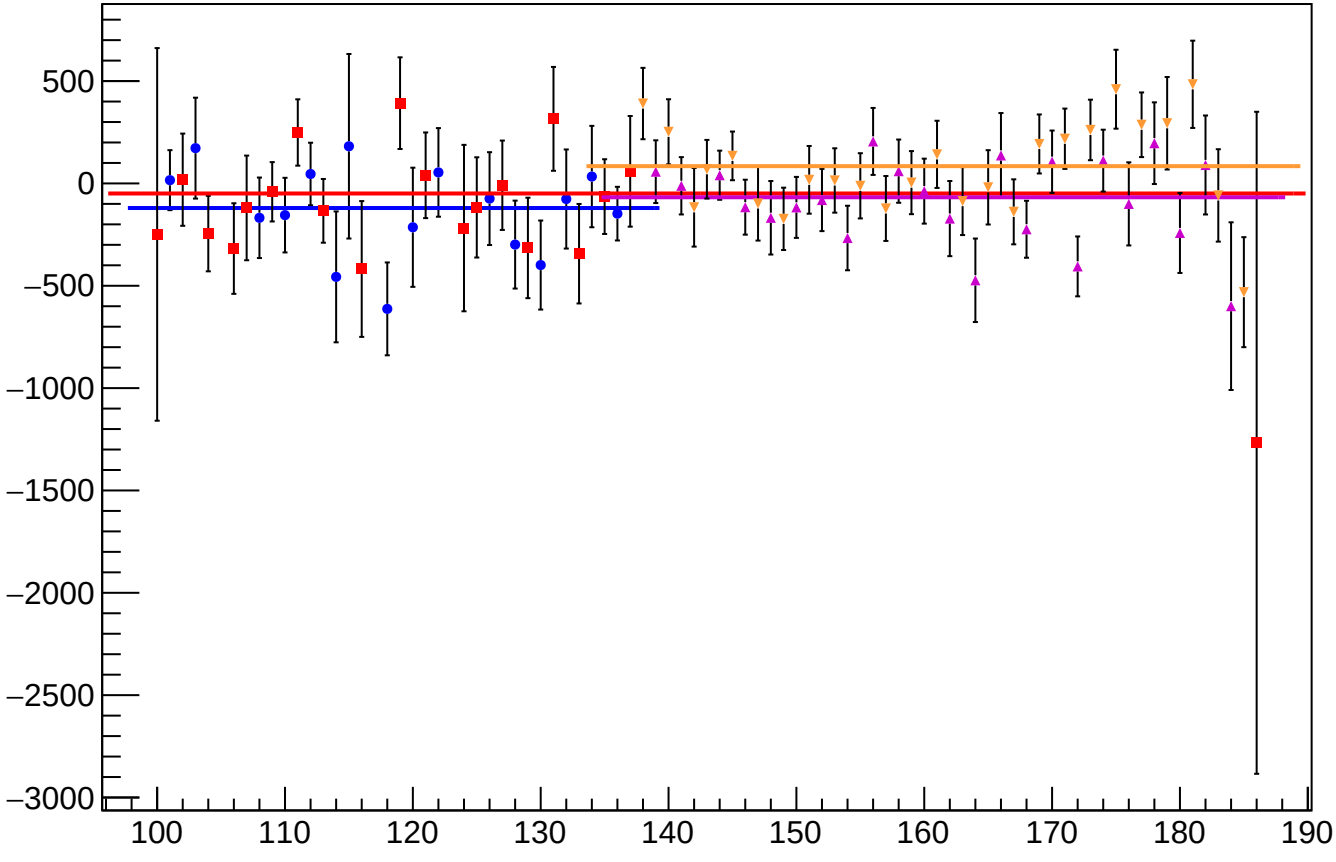
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1130.980+/-0.159 χ^2/NDF: 2301221.5/40

All: 1127.869+/-0.113 χ^2/NDF: 5139667.6/83

- sign 1124.714+/-0.160 χ^2/NDF: 2837676.0/42

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -49.173+/-49.895 χ^2/NDF: 17.5/19

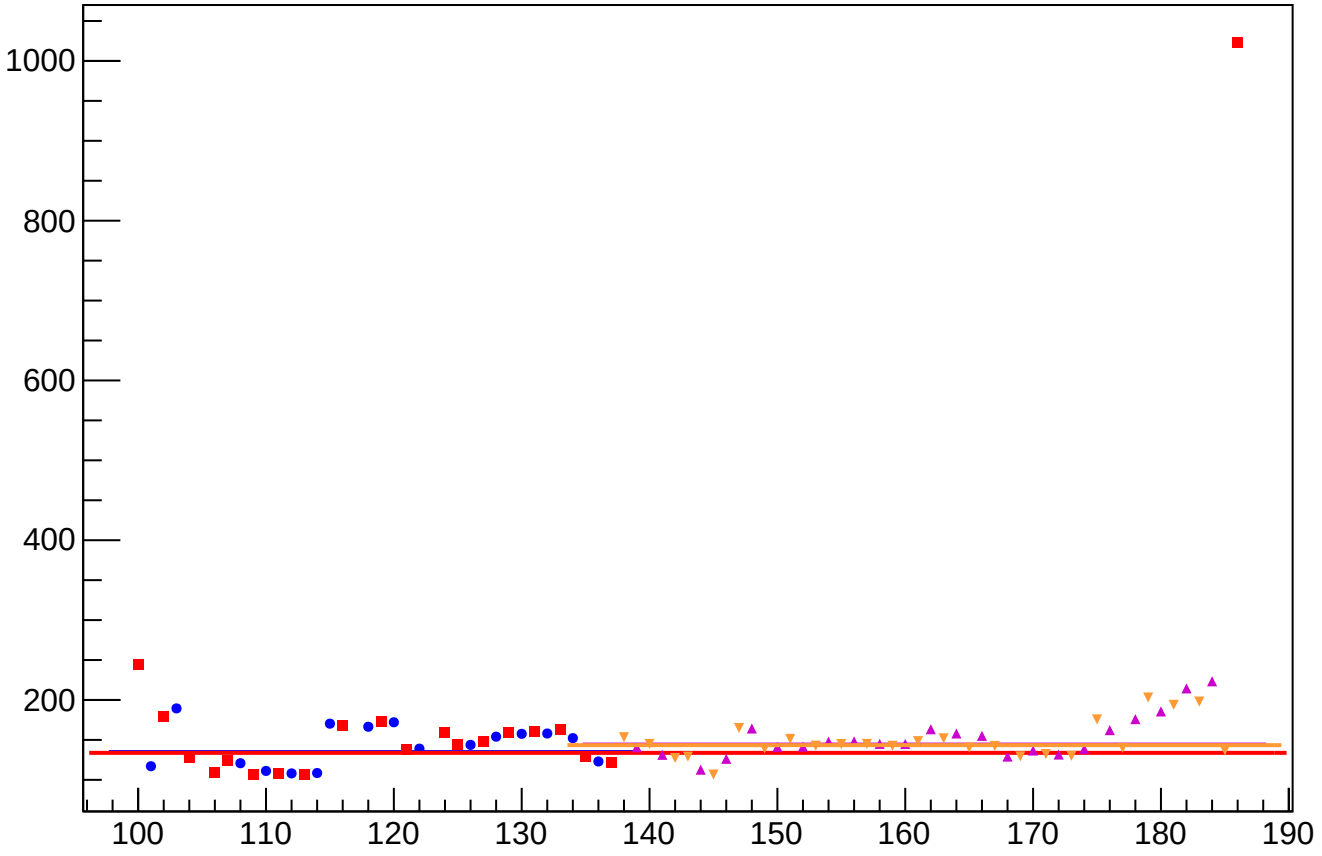
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 24.064+/-27.743 χ^2/NDF: 58.5/40

All: -18.186+/-19.768 χ^2/NDF: 107.4/83

- sign -61.757+/-28.174 χ^2/NDF: 44.1/42

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 133.794+/-0.035 χ^2/NDF: 1104136.4/19

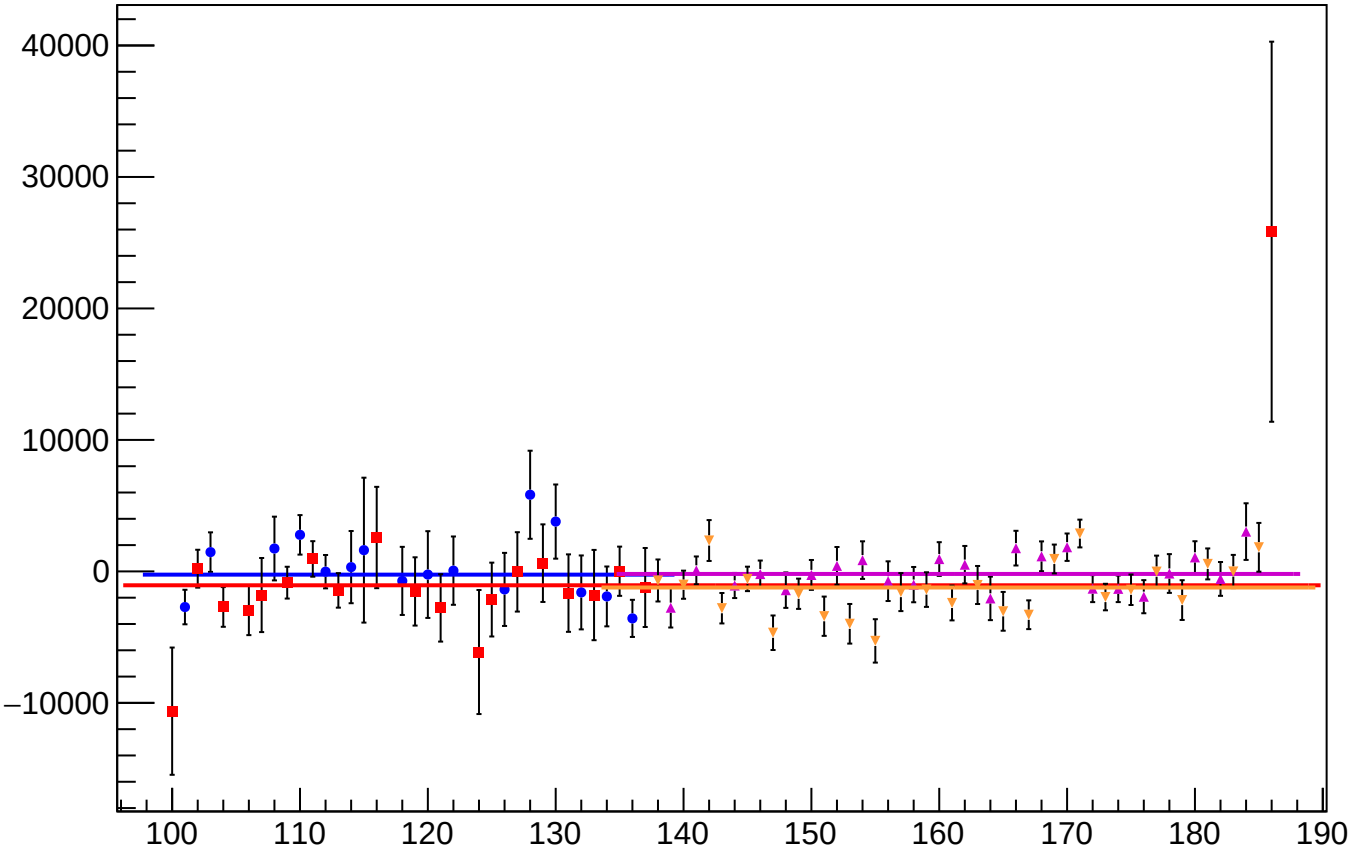
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

\+ sign 140.888+/-0.020 χ^2/NDF: 1204444.7/40

All: 140.875+/-0.014 χ^2/NDF: 3070212.0/83

\- sign 140.862+/-0.020 χ^2/NDF: 1865766.4/42

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1055.744+/-469.076 χ^2/NDF: 16.3/19

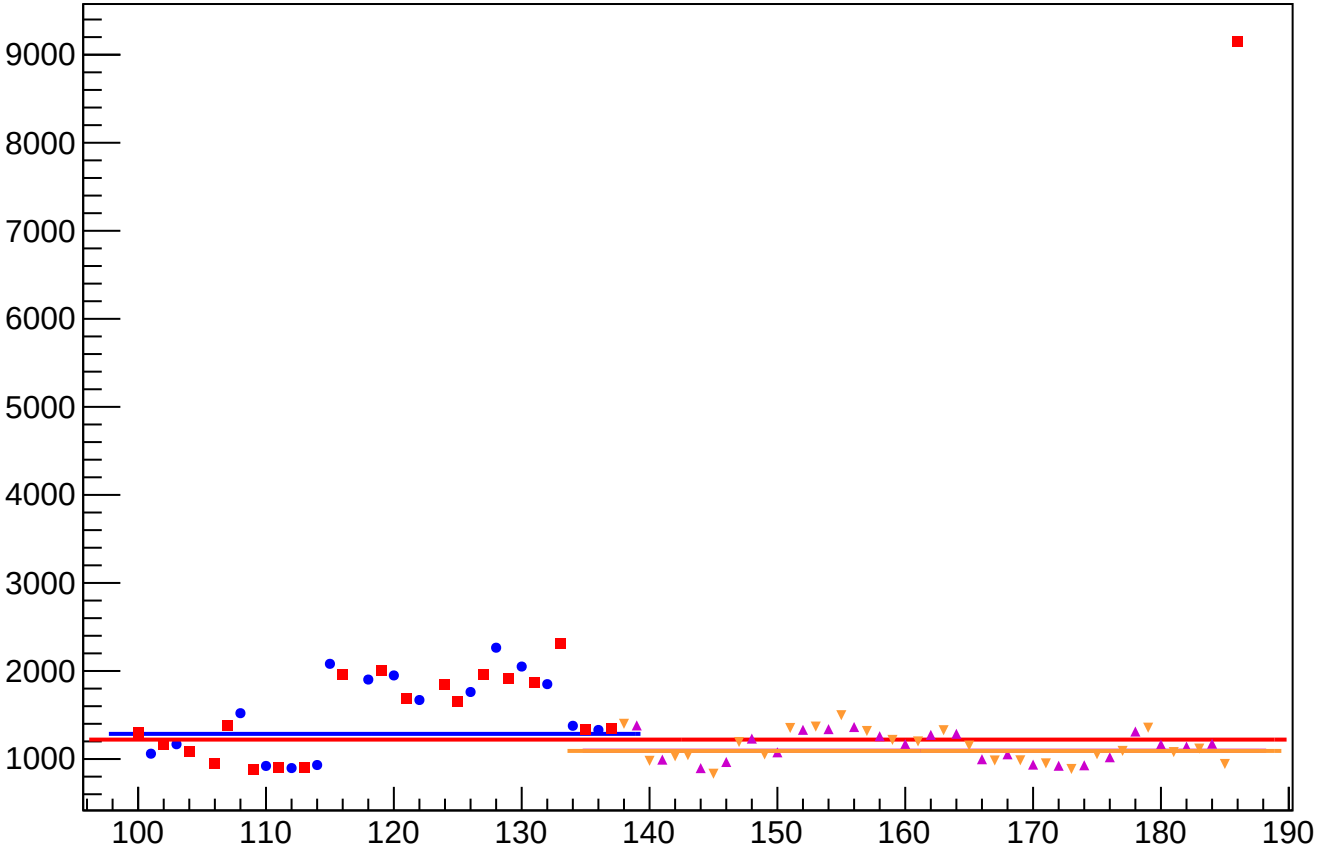
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1027.988+/-224.997 χ^2/NDF: 83.9/40

All: -713.903+/-159.689 χ^2/NDF: 130.0/83

- sign -395.097+/-226.681 χ^2/NDF: 42.1/42

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1220.635+/-0.332 χ^2/NDF: 2003059.7/19

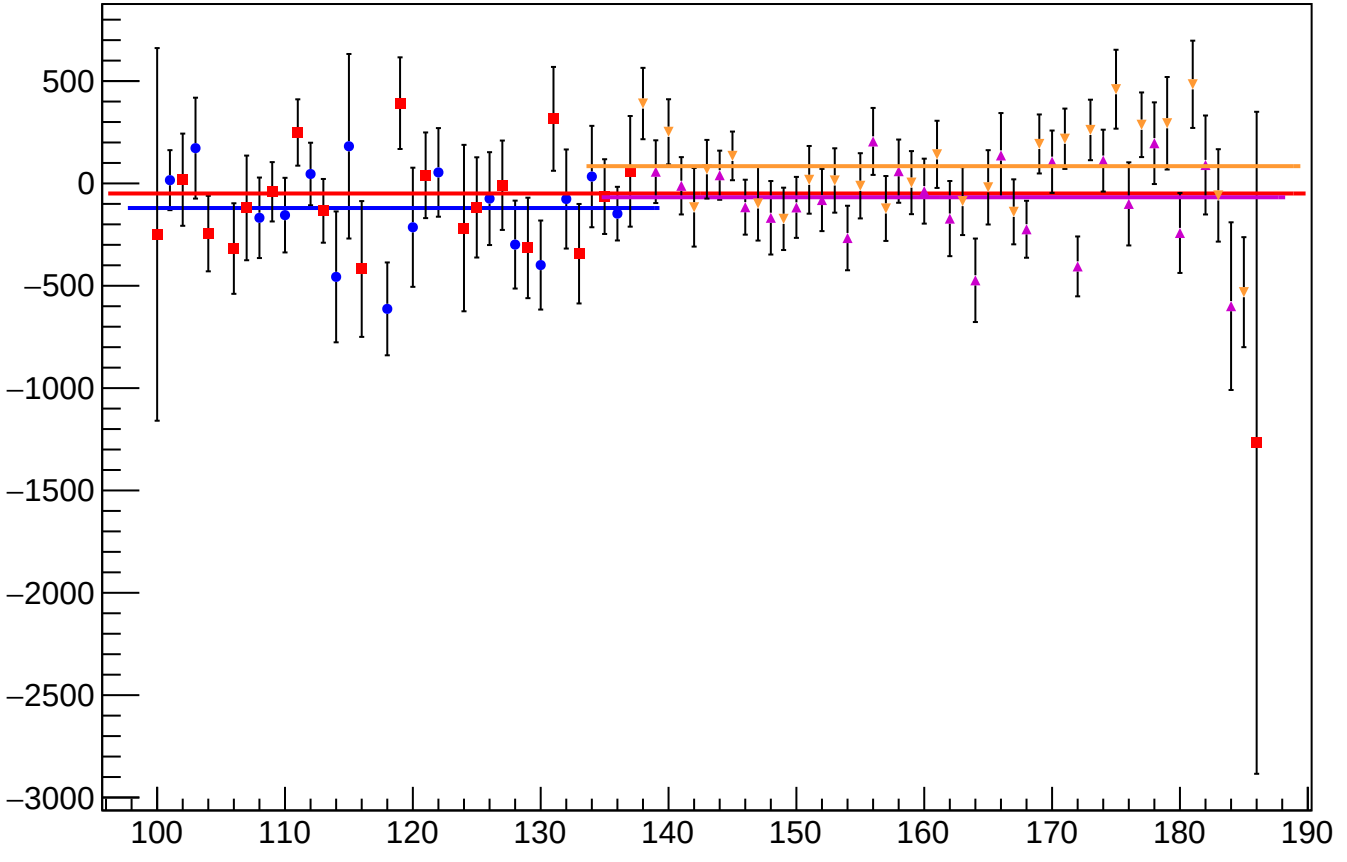
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1130.982+/-0.159 χ^2/NDF: 2301226.1/40

All: 1127.487+/-0.113 χ^2/NDF: 5149113.6/83

- sign 1123.940+/-0.160 χ^2/NDF: 2846915.3/42

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -49.173+/-49.895 χ^2/NDF: 17.5/19

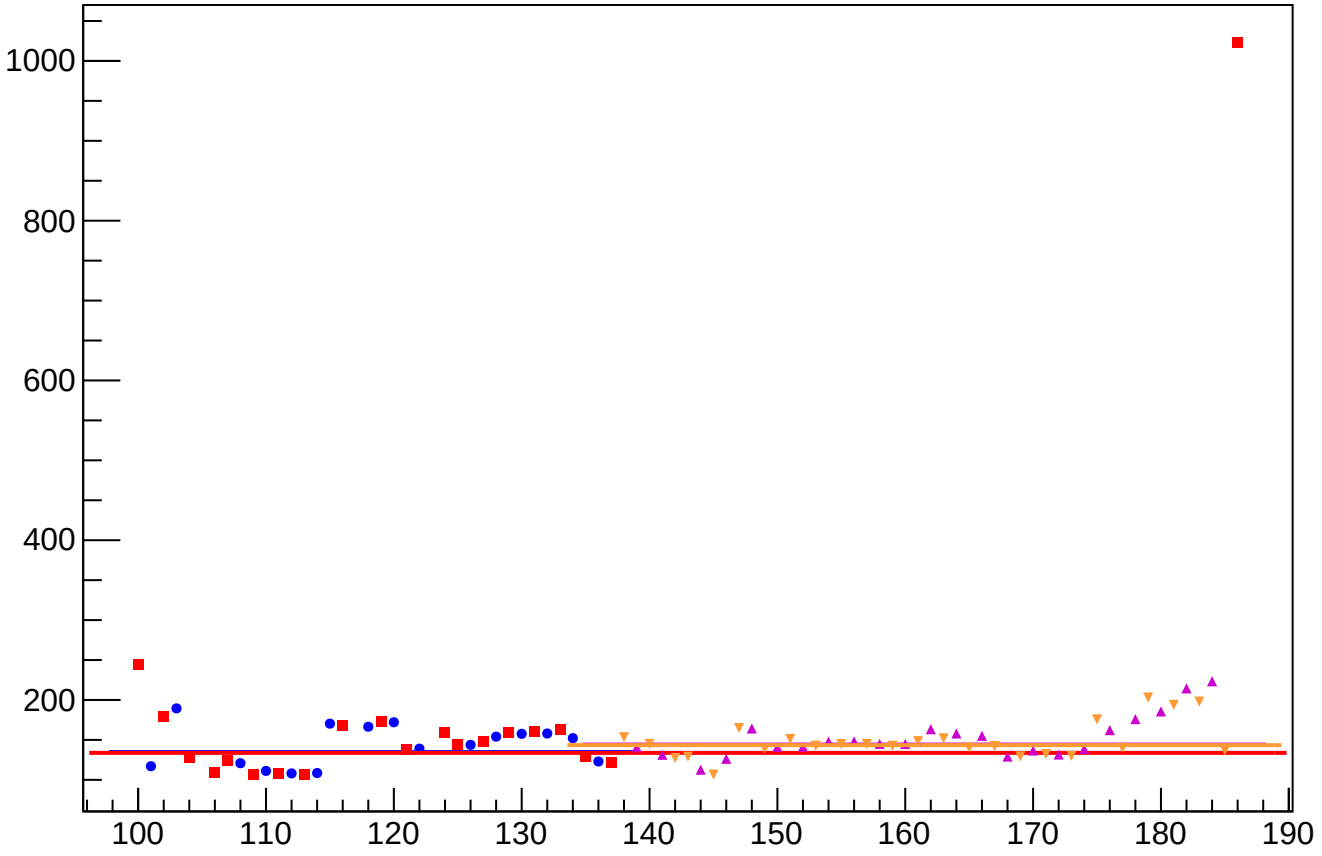
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 24.064+/-27.743 χ^2/NDF: 58.5/40

All: -18.186+/-19.768 χ^2/NDF: 107.4/83

- sign -61.757+/-28.174 χ^2/NDF: 44.1/42

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

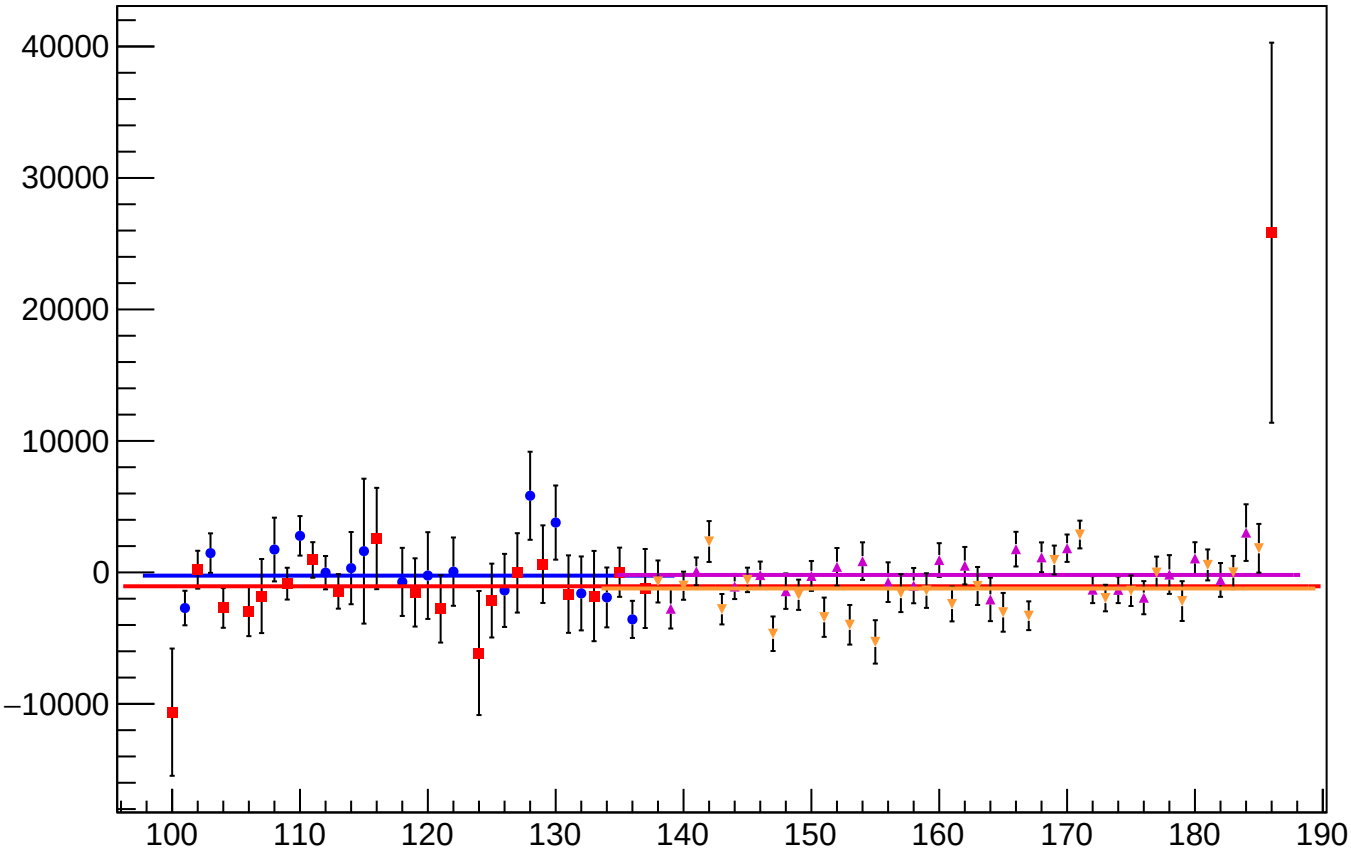
Right Out: 133.794+/-0.035 χ^2/NDF: 1104136.4/19

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 140.888+/-0.020 χ^2/NDF: 1204444.7/40

All: 140.875+/-0.014 χ^2/NDF: 3070212.0/83

- sign 140.862+/-0.020 χ^2/NDF: 1865766.4/42



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

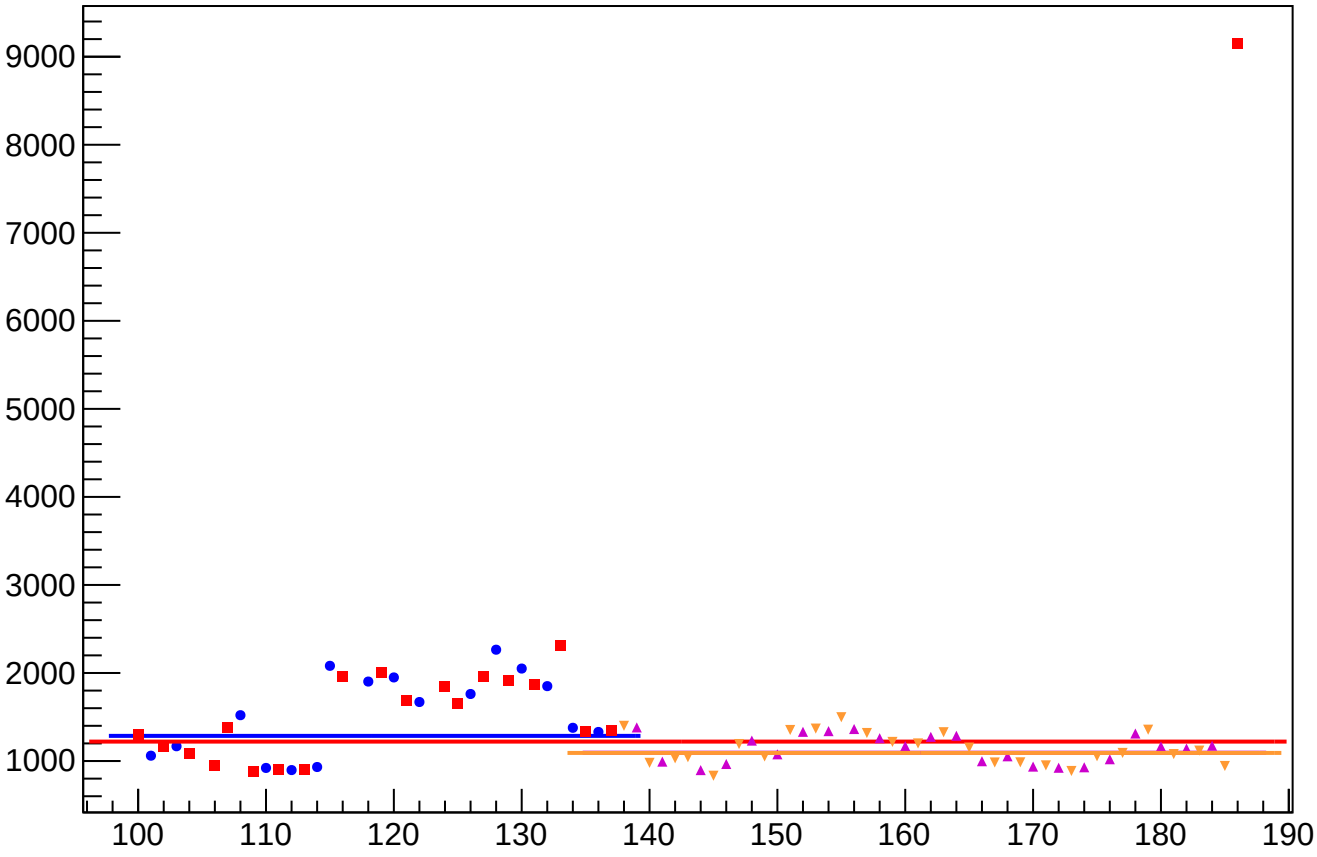
Right Out: -1055.744+/-469.076 χ^2/NDF: 16.3/19

Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1027.988+/-224.997 χ^2/NDF: 83.9/40

All: -713.903+/-159.689 χ^2/NDF: 130.0/83

- sign -395.097+/-226.681 χ^2/NDF: 42.1/42



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1220.635+/-0.332 χ^2/NDF: 2003059.7/19

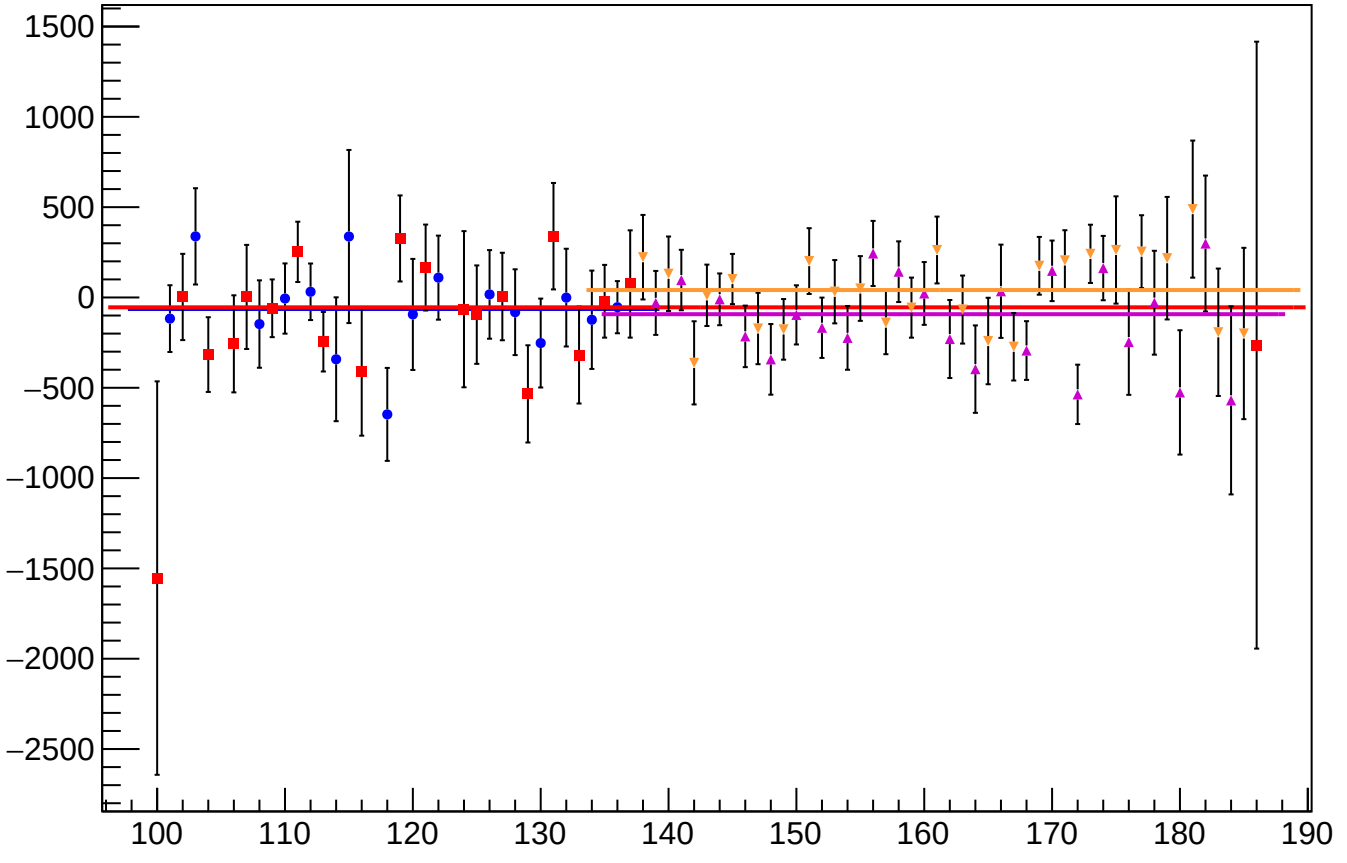
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1130.982+/-0.159 χ^2/NDF: 2301226.1/40

All: 1127.487+/-0.113 χ^2/NDF: 5149113.6/83

- sign 1123.940+/-0.160 χ^2/NDF: 2846915.3/42

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -54.527+/-54.714 χ^2/NDF: 19.5/19

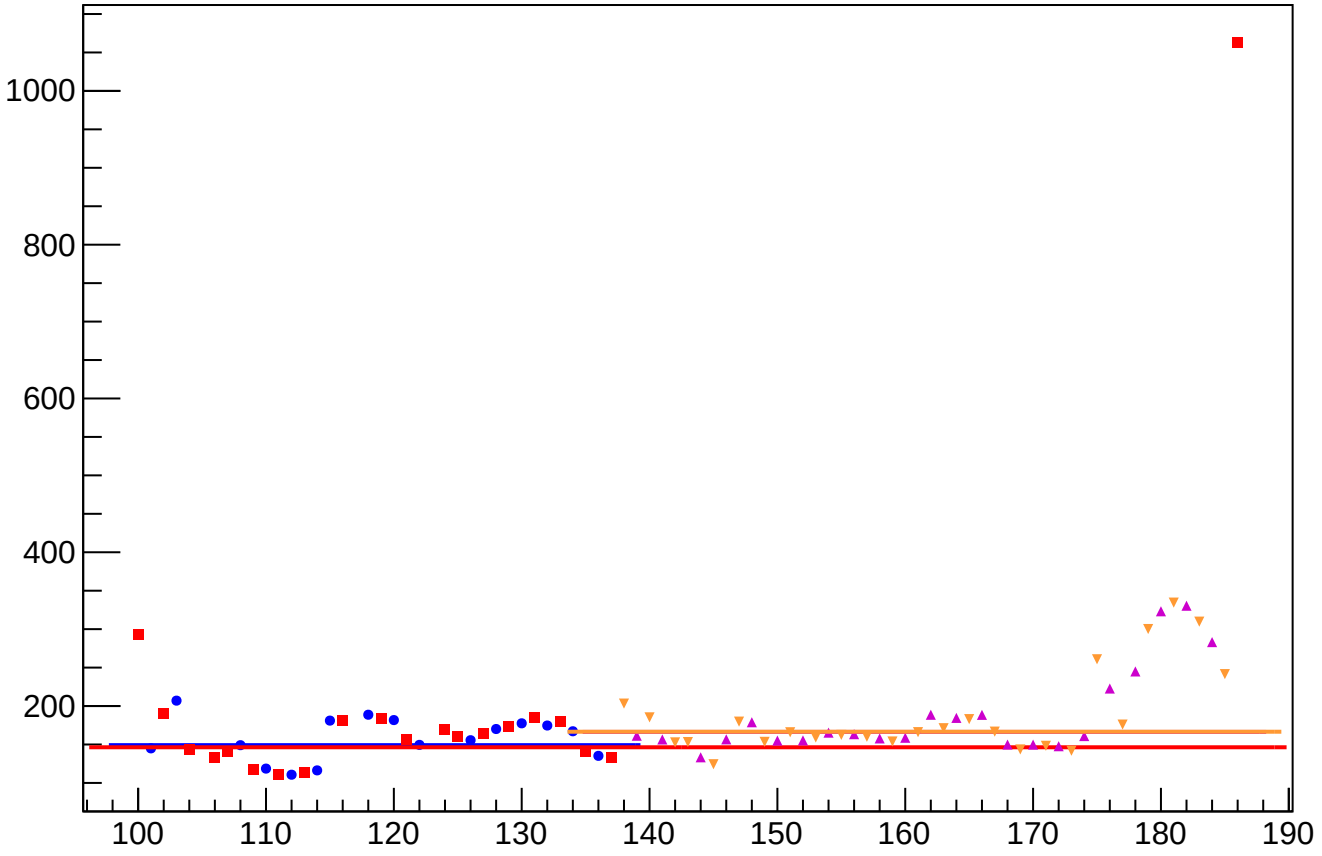
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 7.226+/-32.238 χ^2/NDF: 35.4/40

All: -35.819+/-22.845 χ^2/NDF: 88.4/83

- sign -79.239+/-32.378 χ^2/NDF: 49.3/42

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 146.372+/-0.039 χ^2/NDF: 1121561.7/19

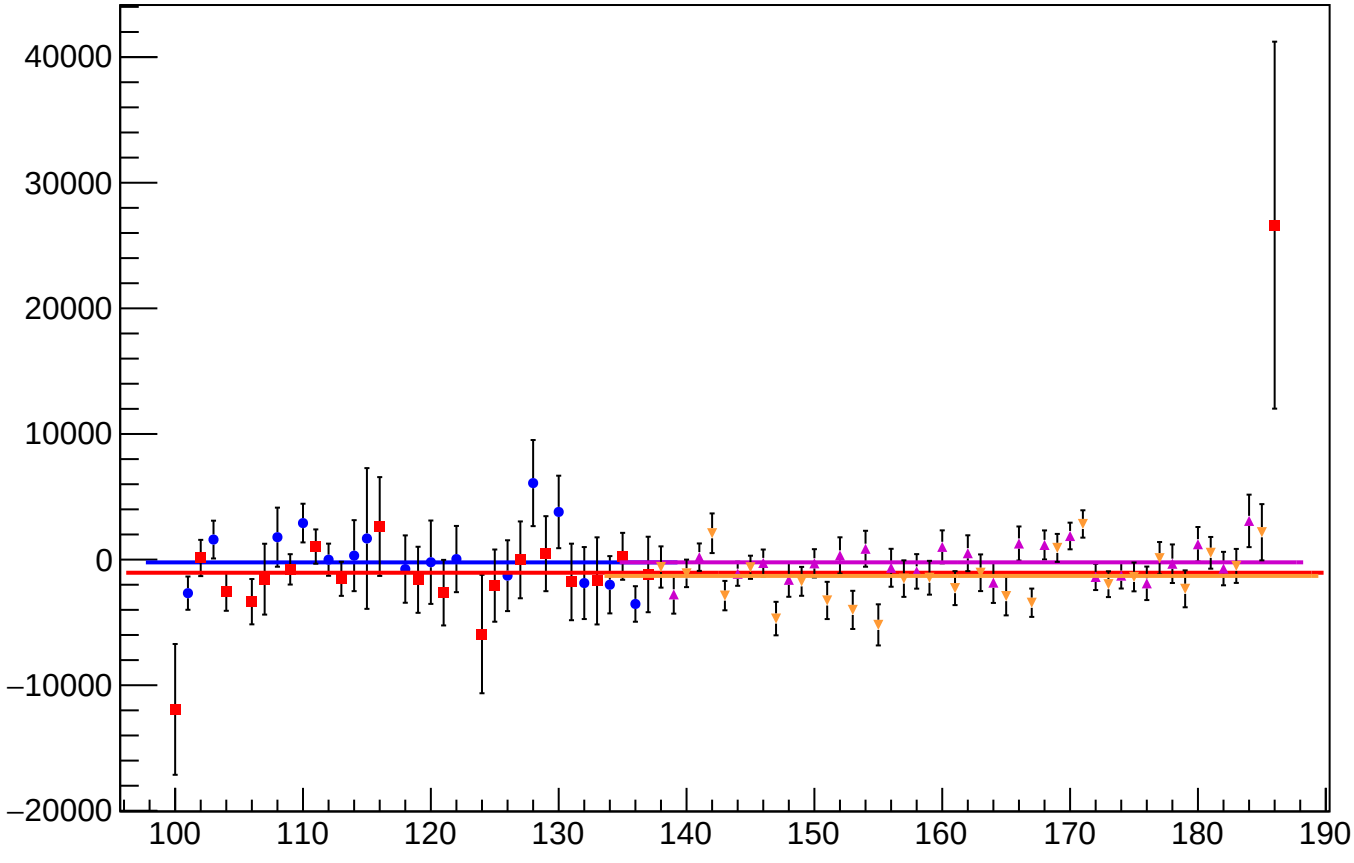
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 160.958+/-0.023 χ^2/NDF: 2299223.5/40

All: 160.146+/-0.016 χ^2/NDF: 4988346.8/83

- sign 159.327+/-0.023 χ^2/NDF: 2686572.9/42

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1045.441+/-472.569 χ^2/NDF: 17.2/19

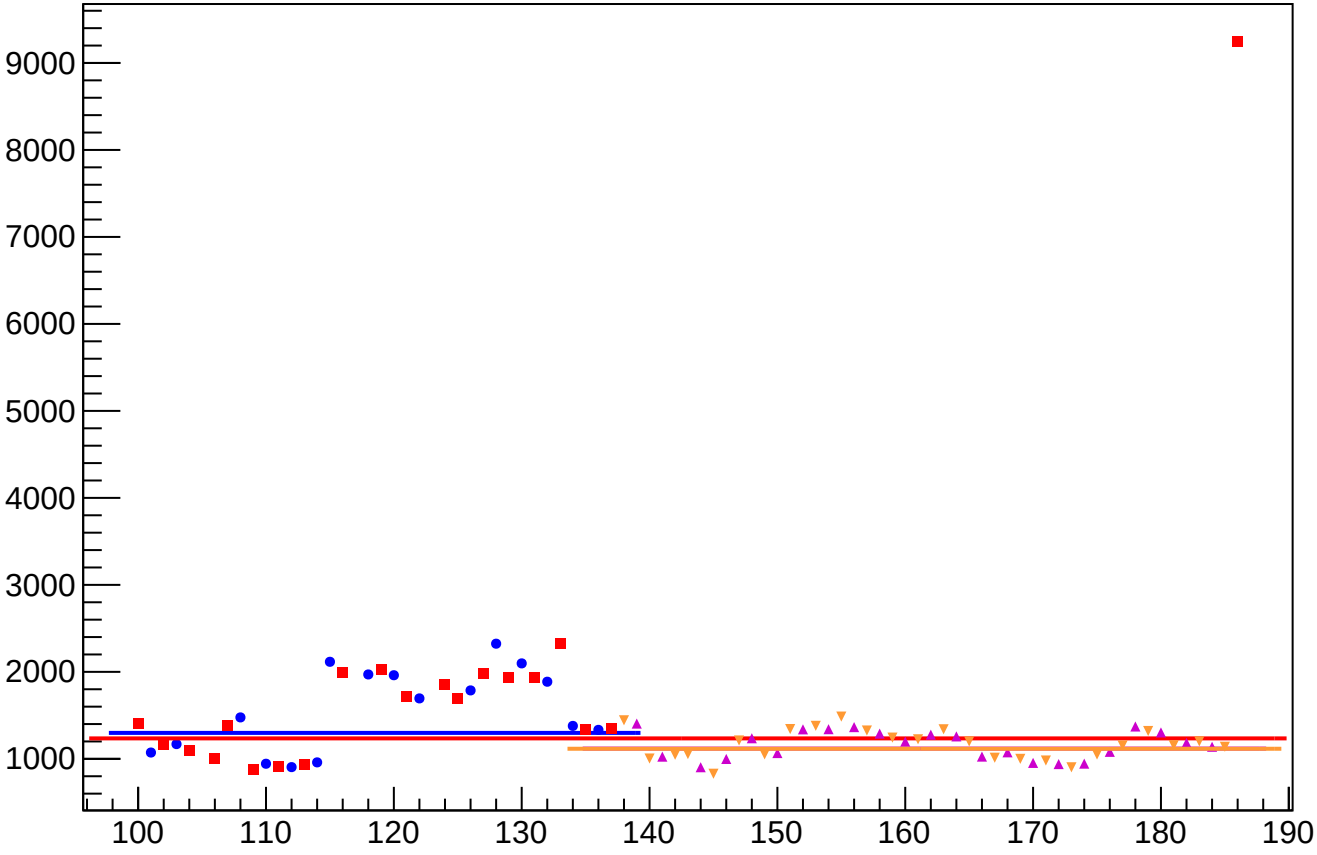
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

\+ sign -1077.649+/-229.130 χ^2/NDF: 80.6/40

All: -748.489+/-162.583 χ^2/NDF: 126.5/83

\- sign -414.708+/-230.732 χ^2/NDF: 41.8/42

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1235.123+/-0.334 χ^2/NDF: 2006727.9/19

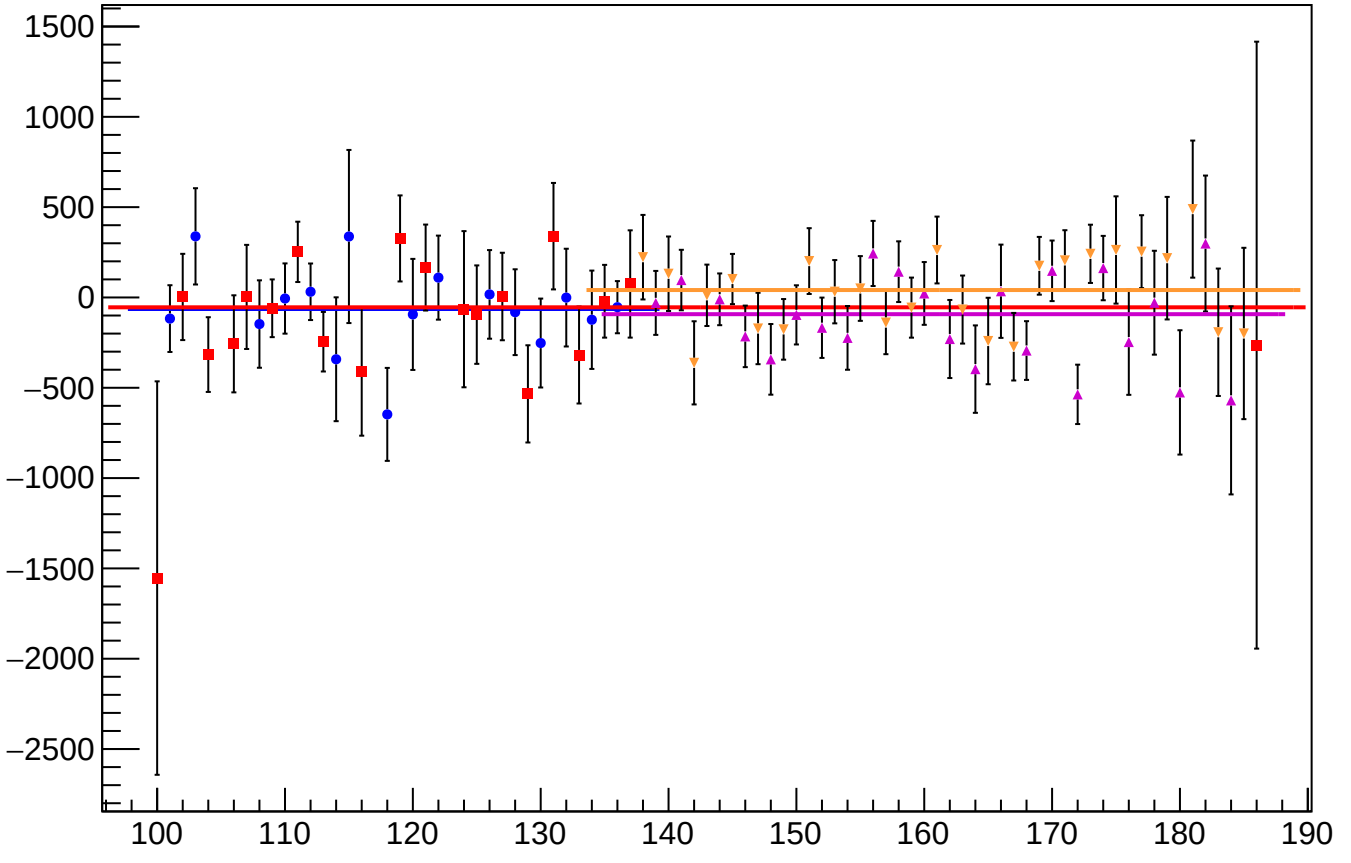
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1153.376+/-0.162 χ^2/NDF: 2255766.3/40

All: 1149.611+/-0.115 χ^2/NDF: 5086804.3/83

- sign 1145.792+/-0.163 χ^2/NDF: 2829950.1/42

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -54.527+/-54.714 χ^2/NDF: 19.5/19

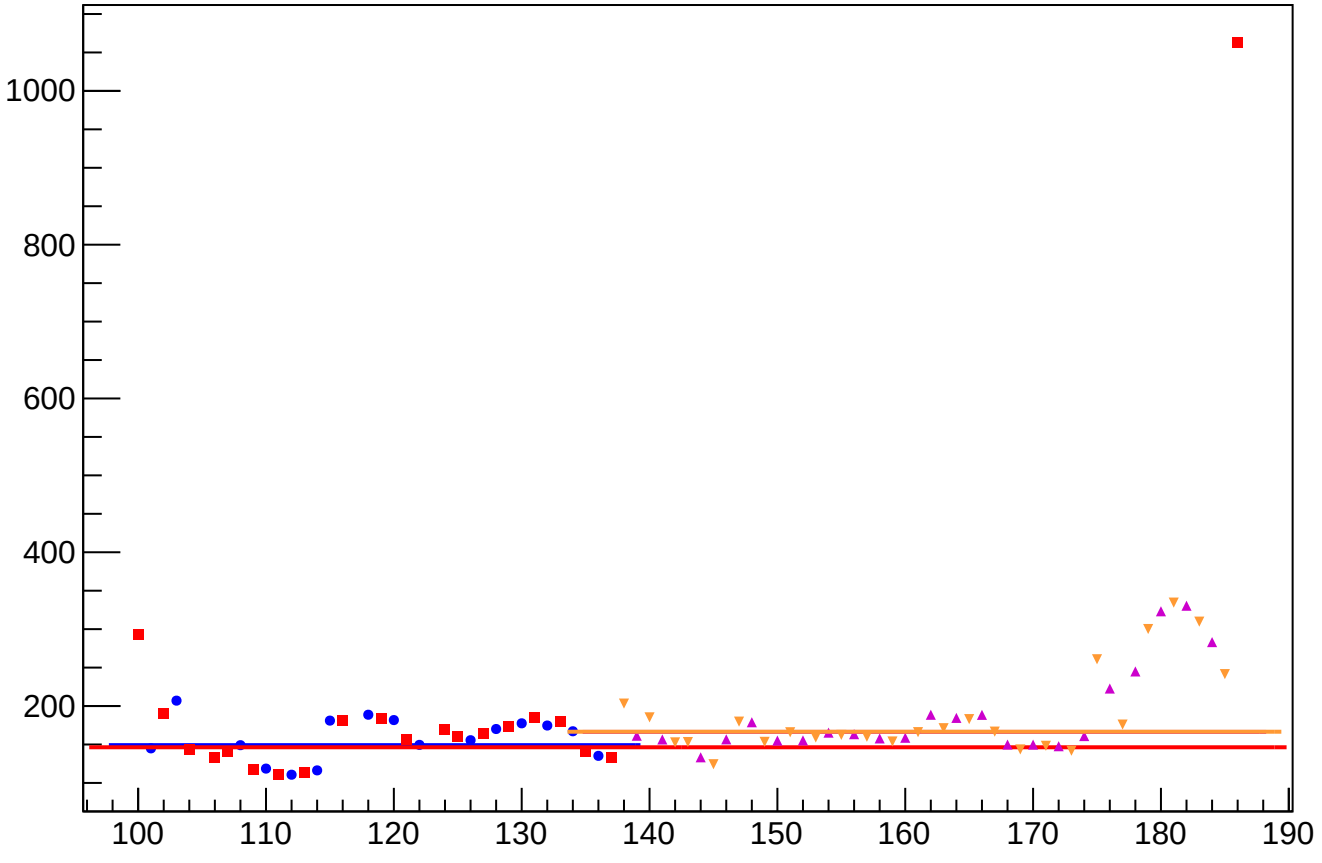
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 7.229+/-32.238 χ^2/NDF: 35.4/40

All: -35.817+/-22.845 χ^2/NDF: 88.4/83

- sign -79.239+/-32.378 χ^2/NDF: 49.3/42

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

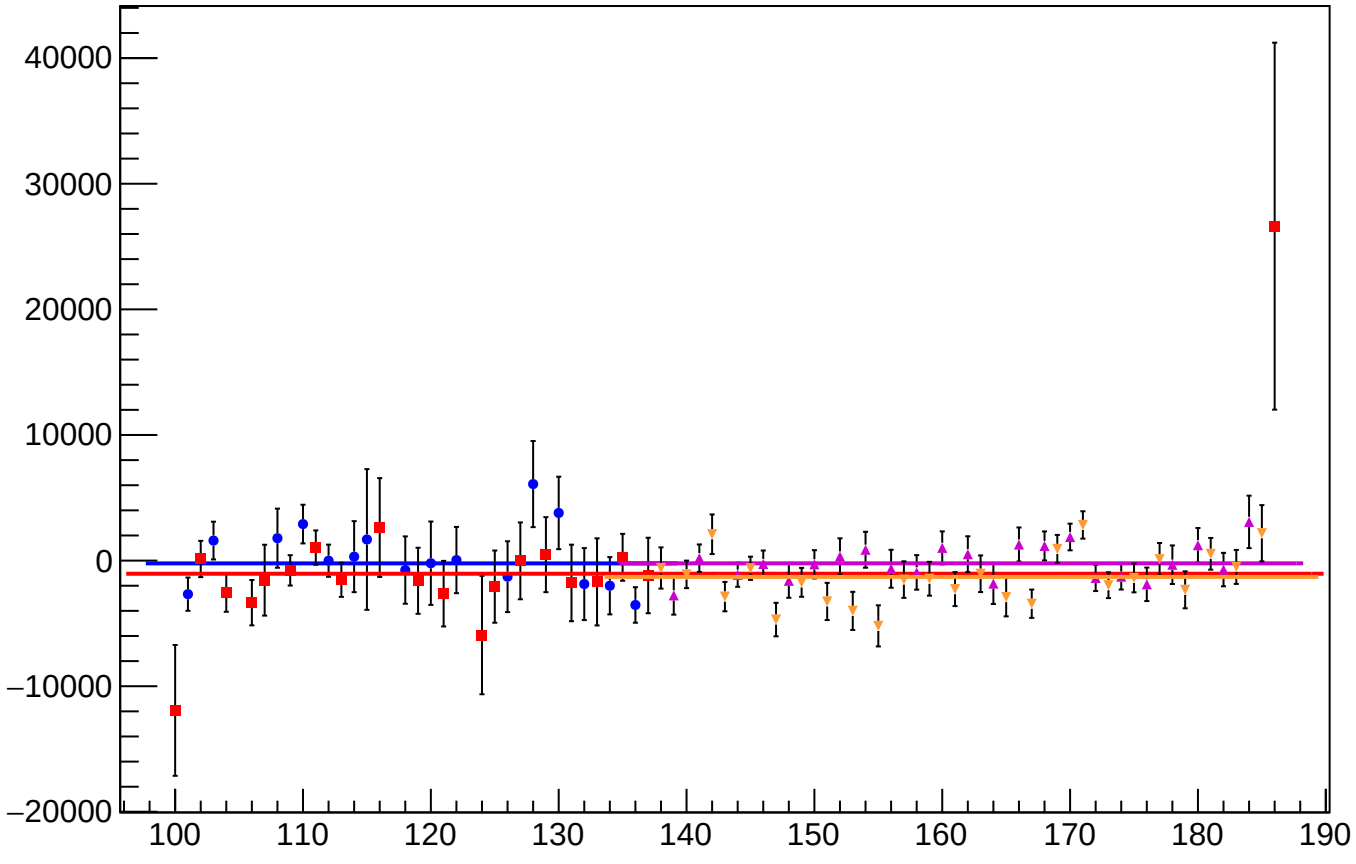
Right Out: 146.372+/-0.039 χ^2/NDF: 1121563.2/19

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 160.959+/-0.023 χ^2/NDF: 2299222.6/40

All: 160.146+/-0.016 χ^2/NDF: 4988332.3/83

- sign 159.327+/-0.023 χ^2/NDF: 2686559.2/42



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

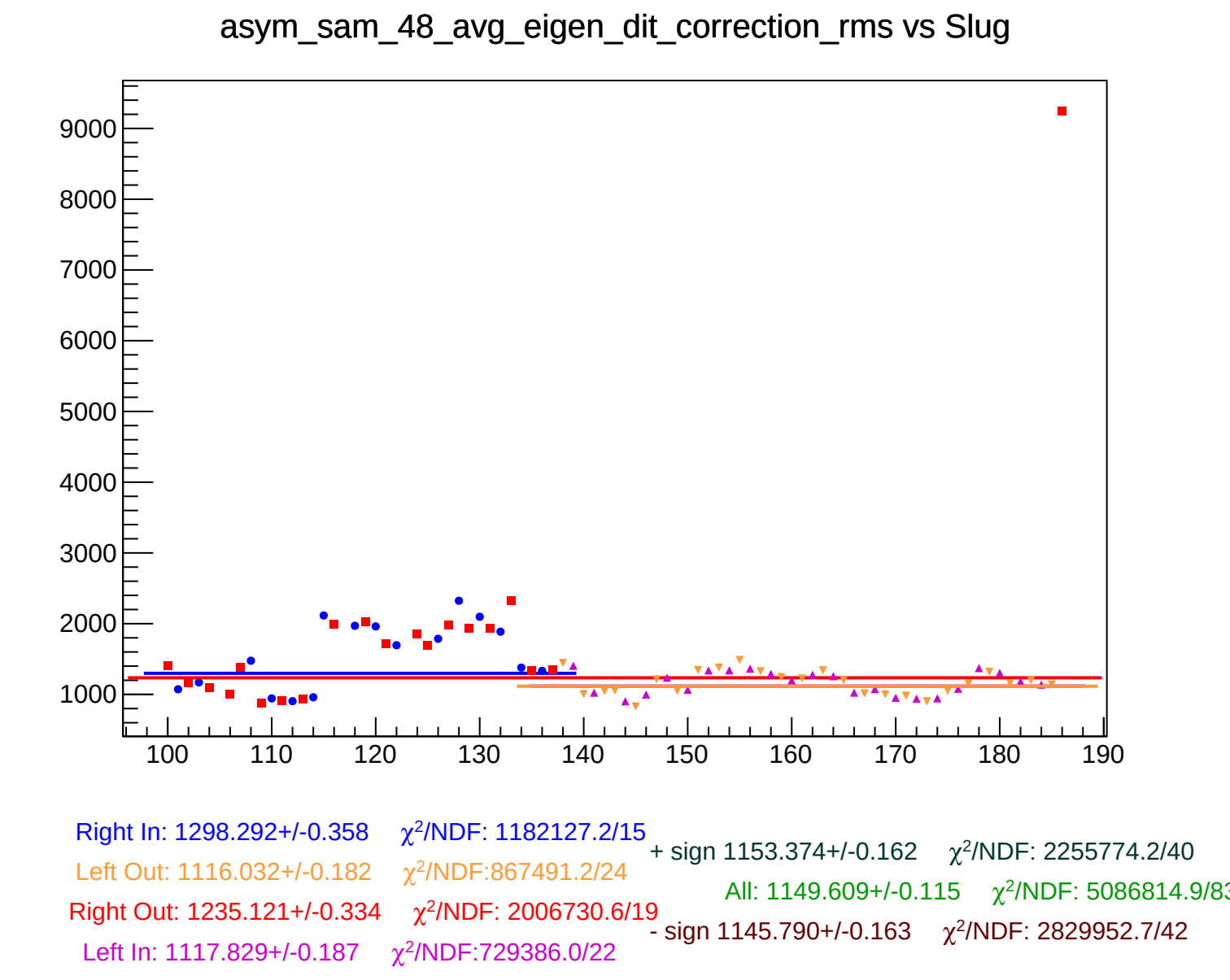
Right Out: -1045.440+/-472.568 χ^2/NDF: 17.2/19

Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1077.647+/-229.130 χ^2/NDF: 80.6/40

All: -748.487+/-162.583 χ^2/NDF: 126.5/83

- sign -414.707+/-230.732 χ^2/NDF: 41.8/42


asym_sam_48_avg_eigen_dit_correction_rms vs Slug
9000
8000
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100
110
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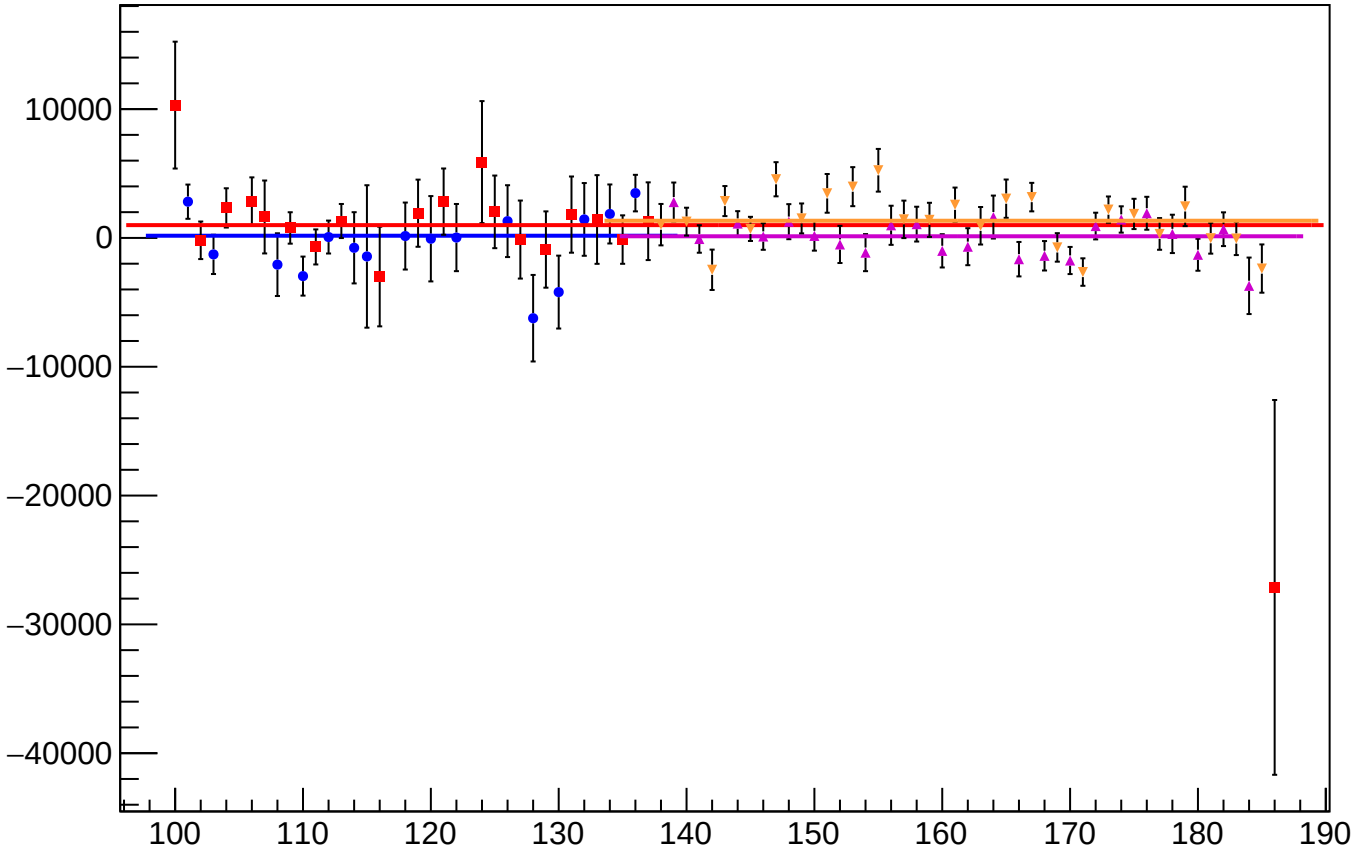
130
140
150
160
170
180
190
Right In: 1298.292+/-0.358 χ²/NDF: 1182127.2/15
Left Out: 1116.032+/-0.182 χ²/NDF:867491.2/24
Right Out: 1235.121+/-0.334 χ²/NDF: 2006730.6/19
Left In: 1117.829+/-0.187 χ²/NDF:729386.0/22
+ sign 1153.374+/-0.162 χ²/NDF: 2255774.2/40
All: 1149.609+/-0.115 χ²/NDF: 5086814.9/83
- sign 1145.790+/-0.163 χ²/NDF: 2829952.7/42

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 994.091+/-471.760 χ^2/NDF: 15.3/19

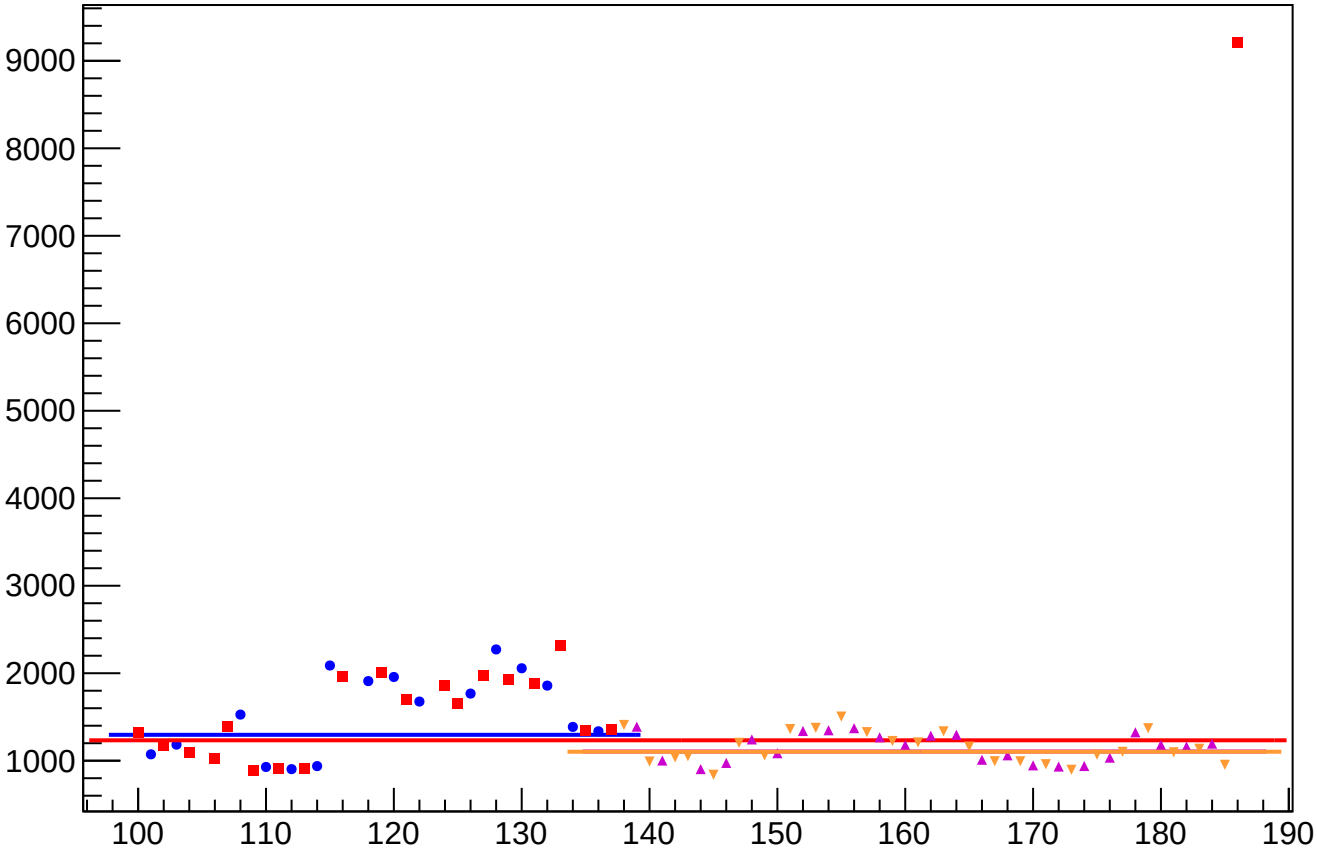
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1099.586+/-227.060 χ^2/NDF: 82.5/40

All: 718.356+/-161.117 χ^2/NDF: 130.0/83

- sign 331.746+/-228.657 χ^2/NDF: 41.9/42

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

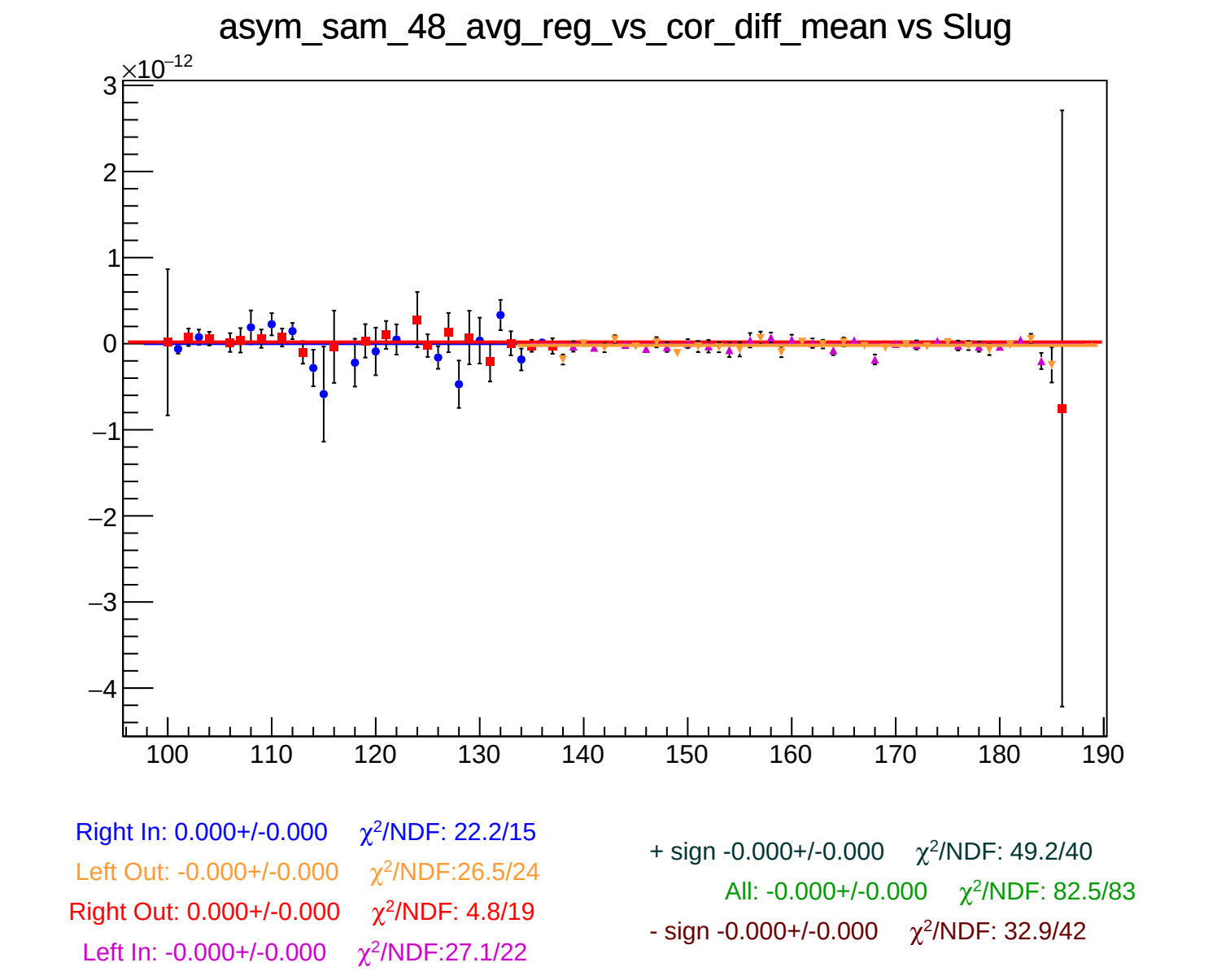
Right Out: 1233.268+/-0.334 χ^2/NDF: 1973039.0/19

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1141.754+/-0.161 χ^2/NDF: 2268318.5/40

All: 1138.543+/-0.114 χ^2/NDF: 5078233.6/83

- 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
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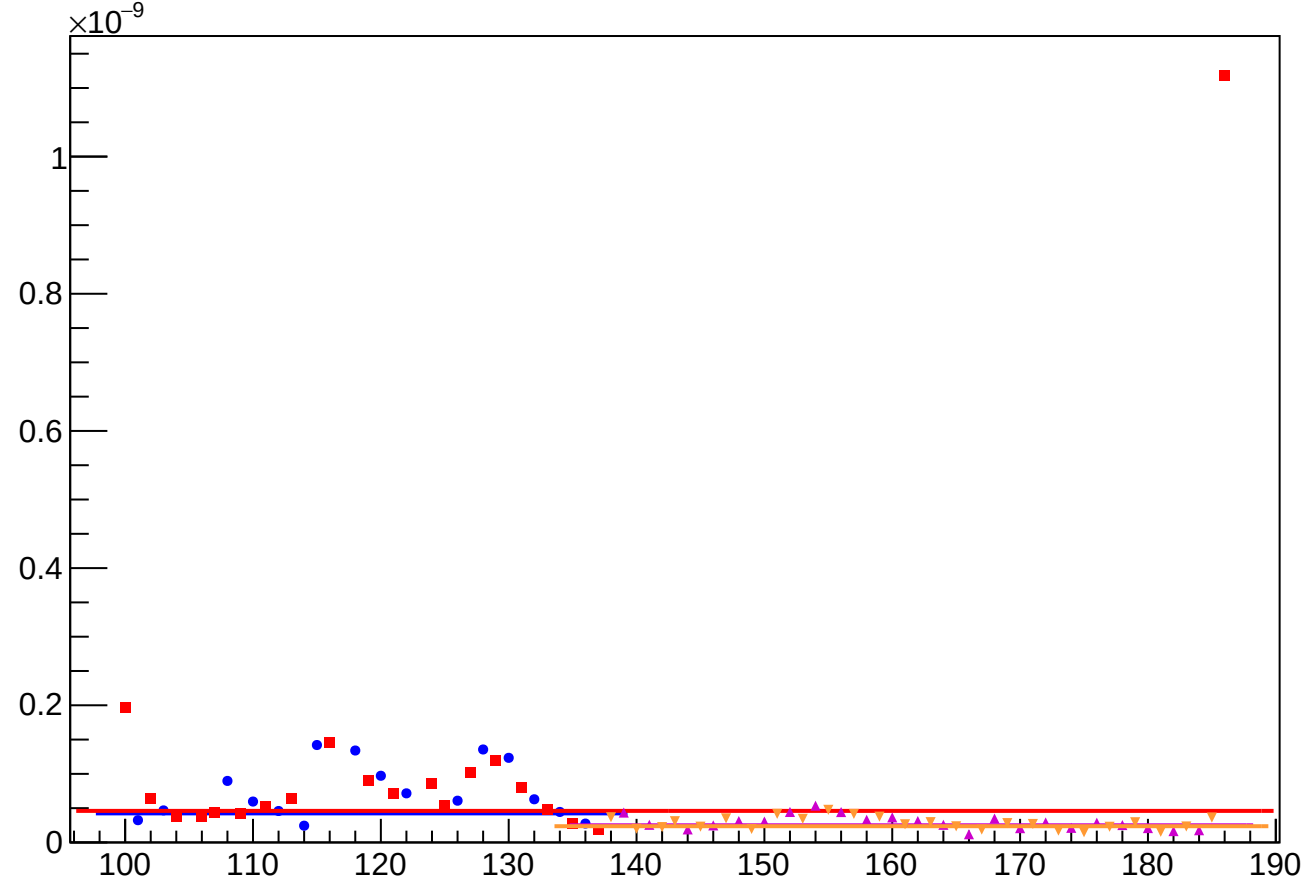
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 22.2/15
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4.8/19
Left In: -0.000+/-0.000 χ²/NDF:27.1/22
+ sign -0.000+/-0.000 χ²/NDF: 49.2/40
All: -0.000+/-0.000 χ²/NDF: 82.5/83
- sign -0.000+/-0.000 χ²/NDF: 32.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1310230.9/19

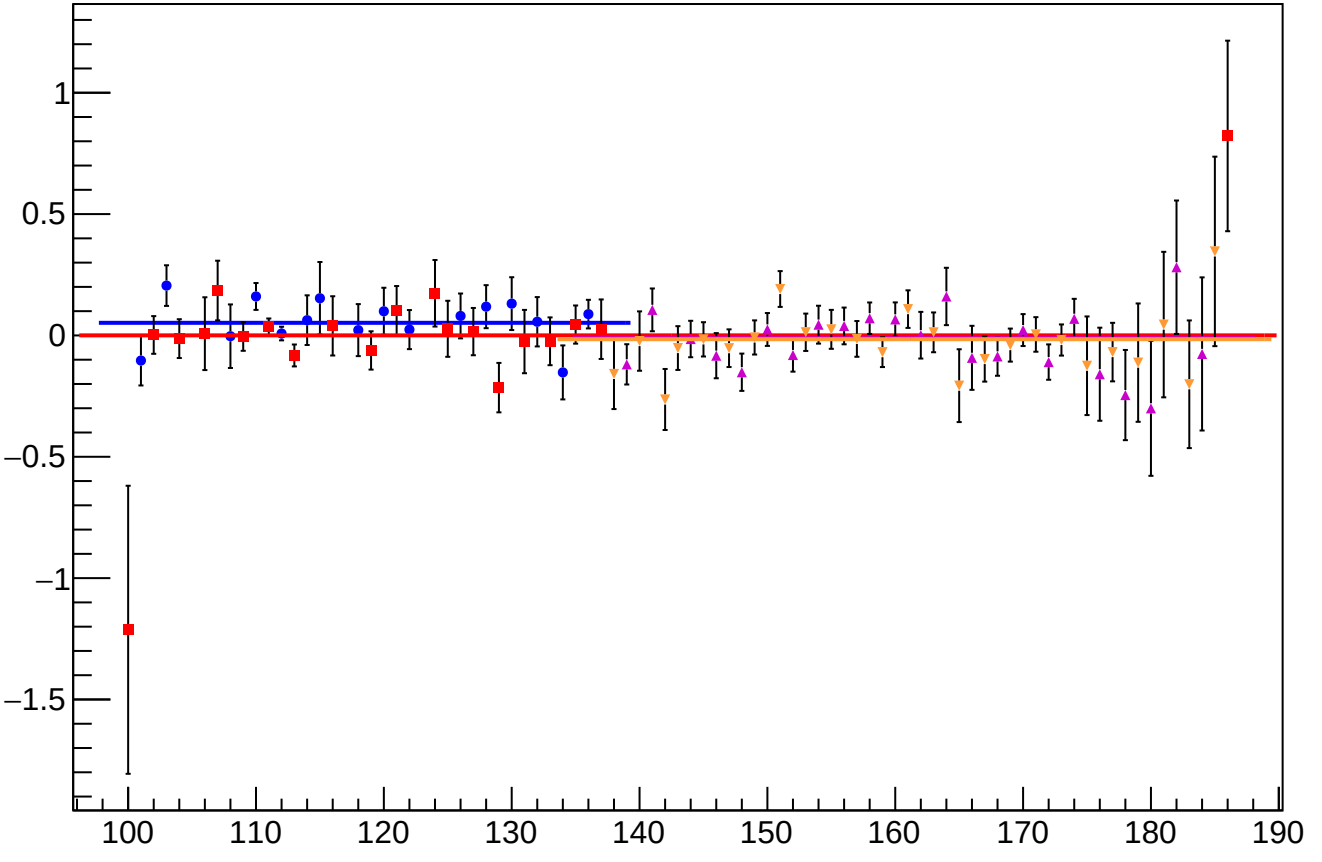
Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 3646599.8/40

All: 0.000+/-0.000 χ^2/NDF: 7477667.5/83

- sign 0.000+/-0.000 χ^2/NDF: 3796545.0/42

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.000+/-0.018 χ^2/NDF: 23.6/19

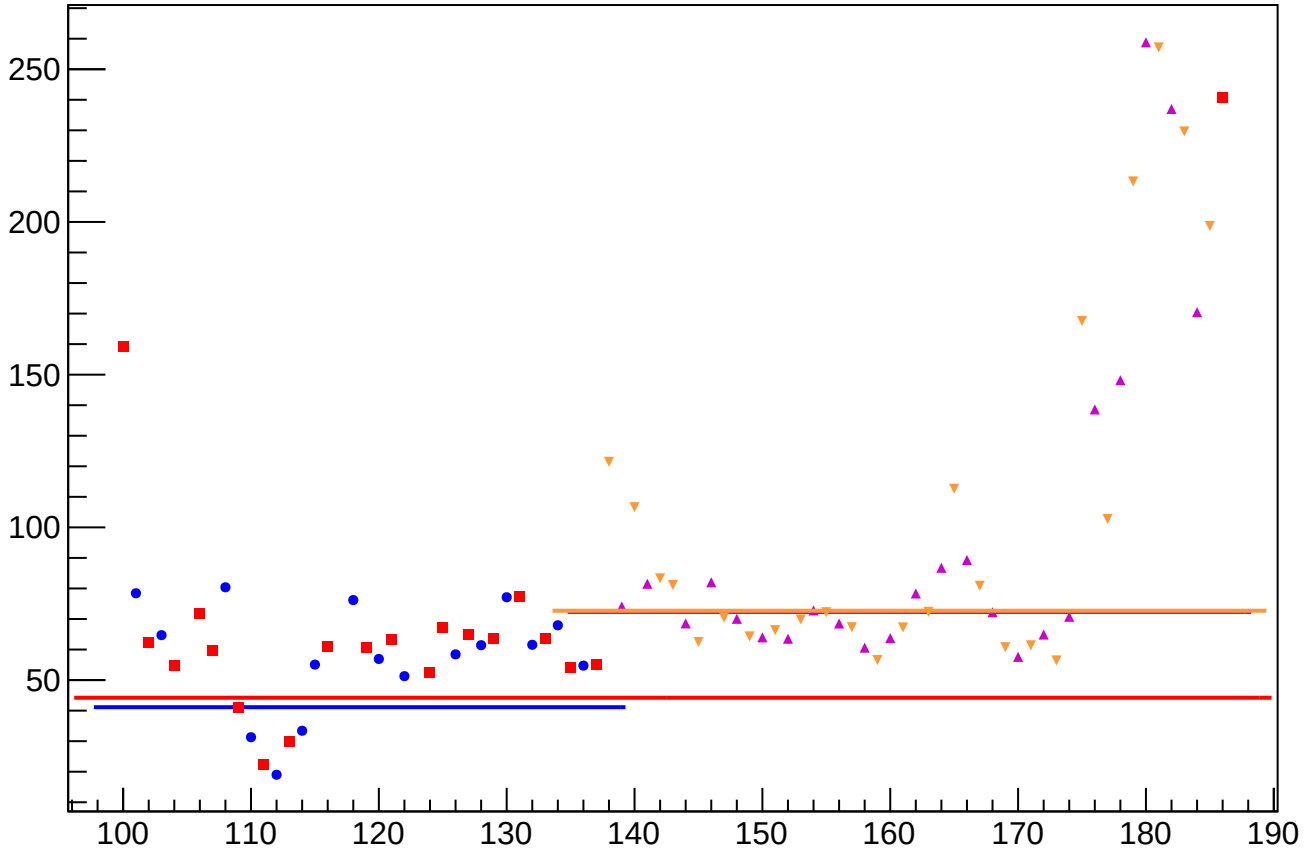
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 46.7/40

All: 0.007+/-0.009 χ^2/NDF: 95.7/83

- sign -0.005+/-0.013 χ^2/NDF: 47.2/42

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

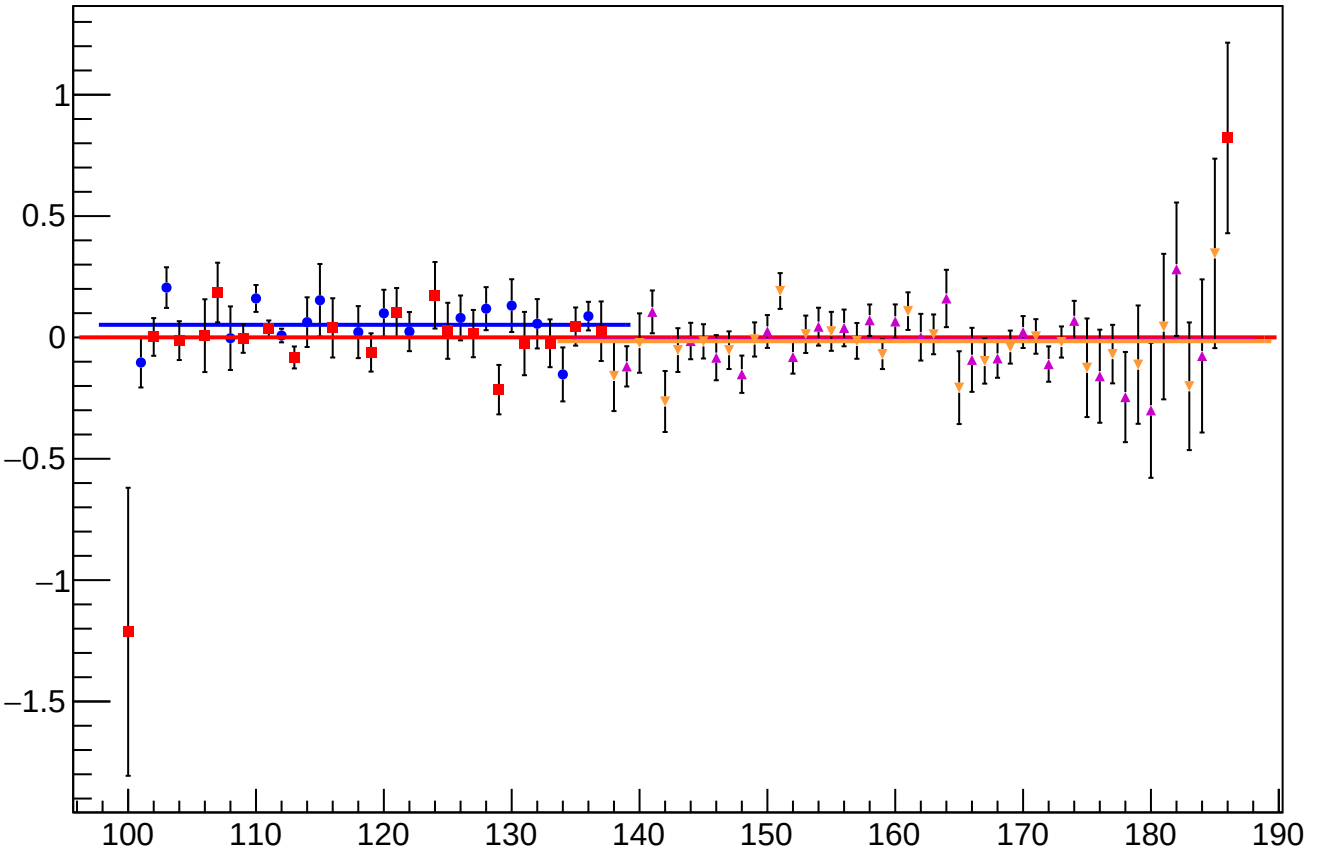
Right Out: 44.223+/-0.013 χ^2/NDF: 2550941.6/19

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 56.750+/-0.009 χ^2/NDF: 10013521.9/40

All: 57.364+/-0.006 χ^2/NDF: 17774641.1/83

- sign 57.992+/-0.009 χ^2/NDF: 7751571.2/42



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

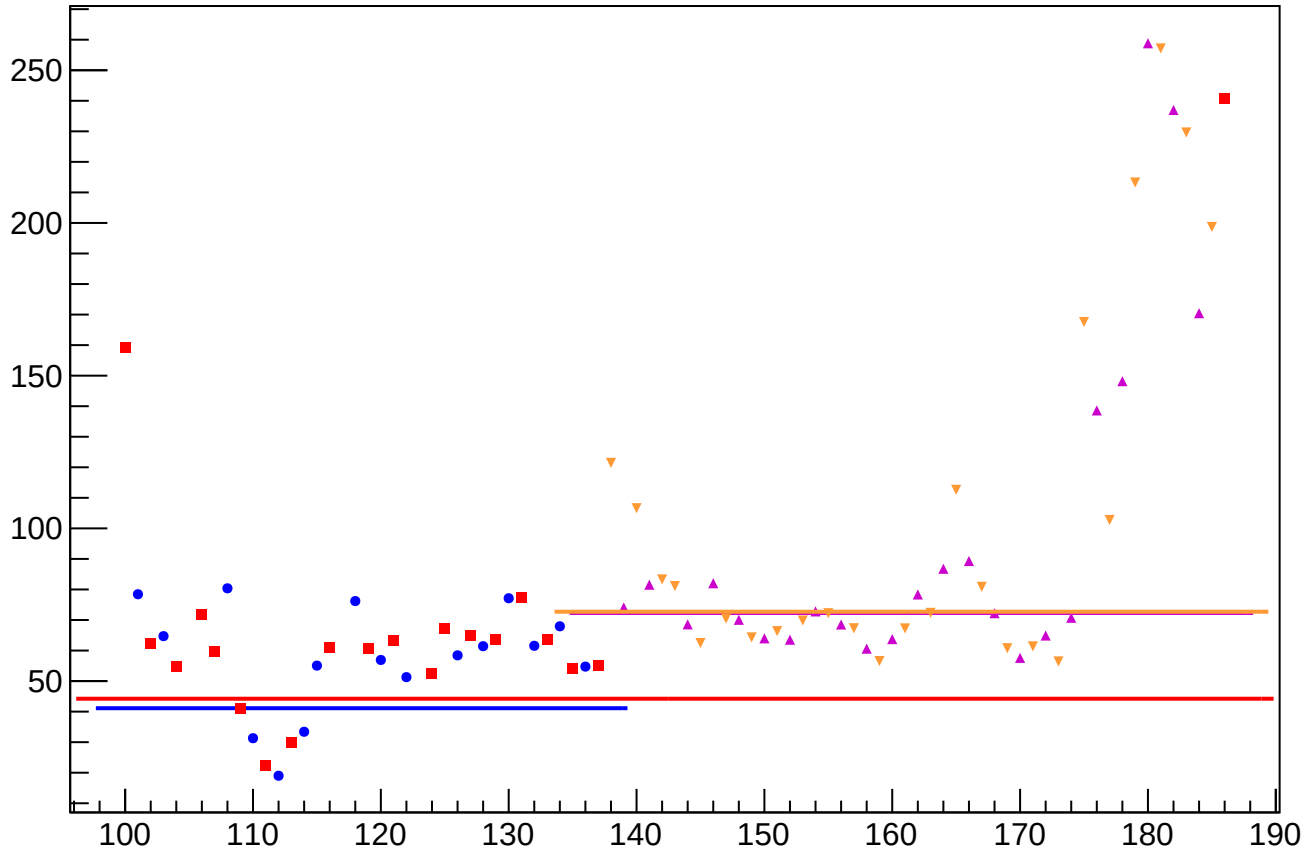
Right Out: 0.000+/-0.018 χ^2/NDF: 23.6/19

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 46.7/40

All: 0.007+/-0.009 χ^2/NDF: 95.7/83

- sign -0.005+/-0.013 χ^2/NDF: 47.2/42



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

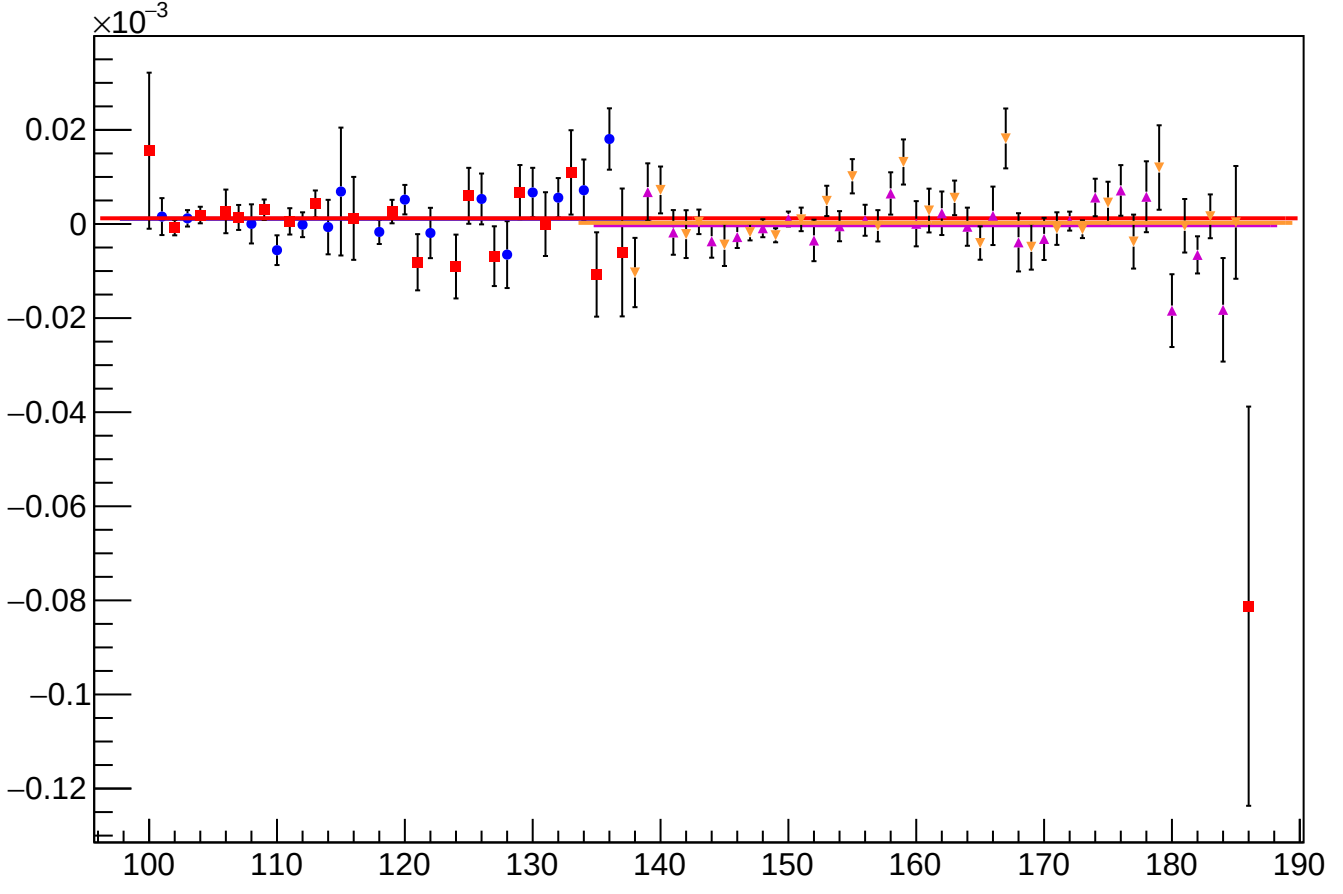
Right Out: 44.223+/-0.013 χ^2/NDF: 2550941.6/19

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 56.750+/-0.009 χ^2/NDF: 10013521.9/40

All: 57.364+/-0.006 χ^2/NDF: 17774641.1/83

- sign 57.992+/-0.009 χ^2/NDF: 7751571.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

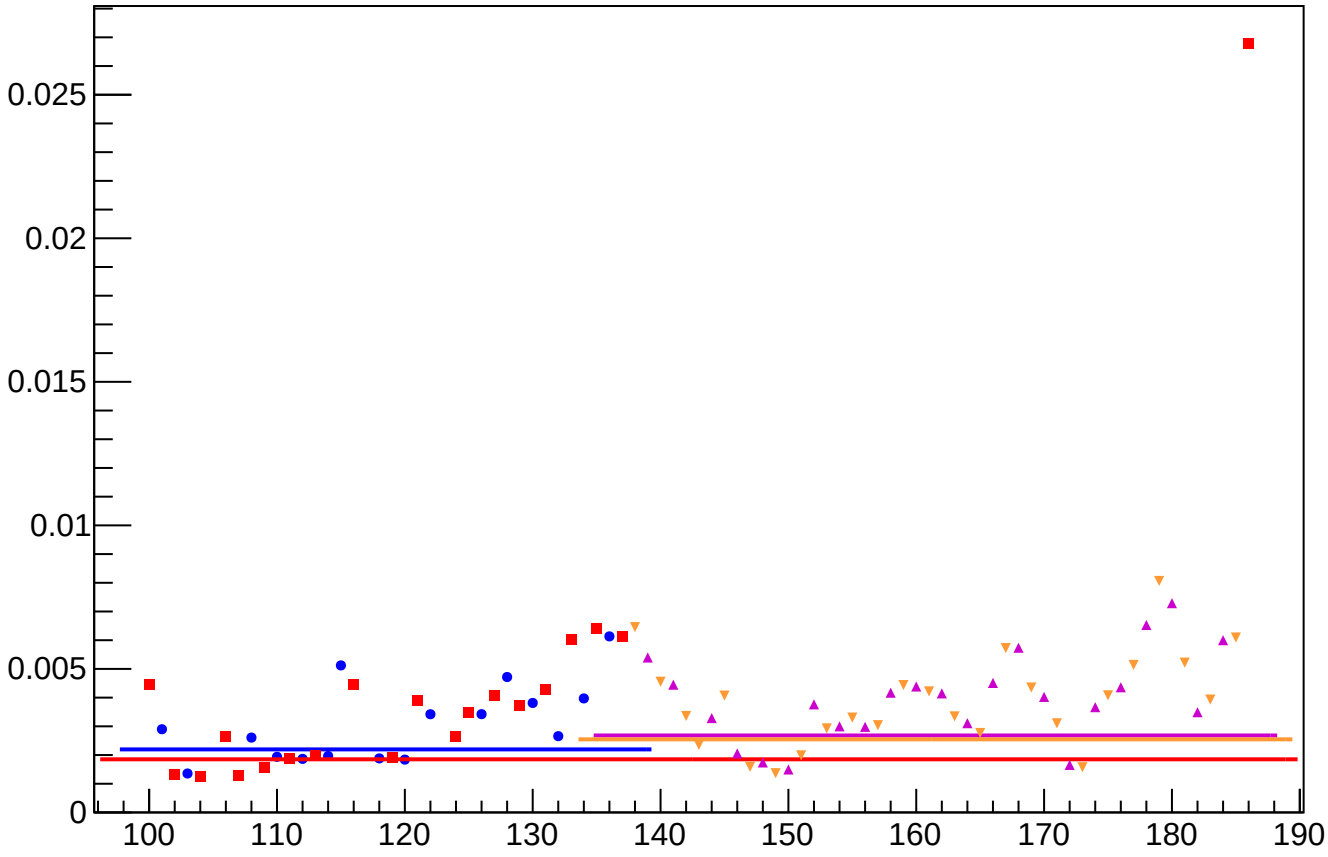
Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/19

Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.9/40

All: 0.000+/-0.000 χ^2/NDF: 109.7/83

- sign 0.000+/-0.000 χ^2/NDF: 45.8/42



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

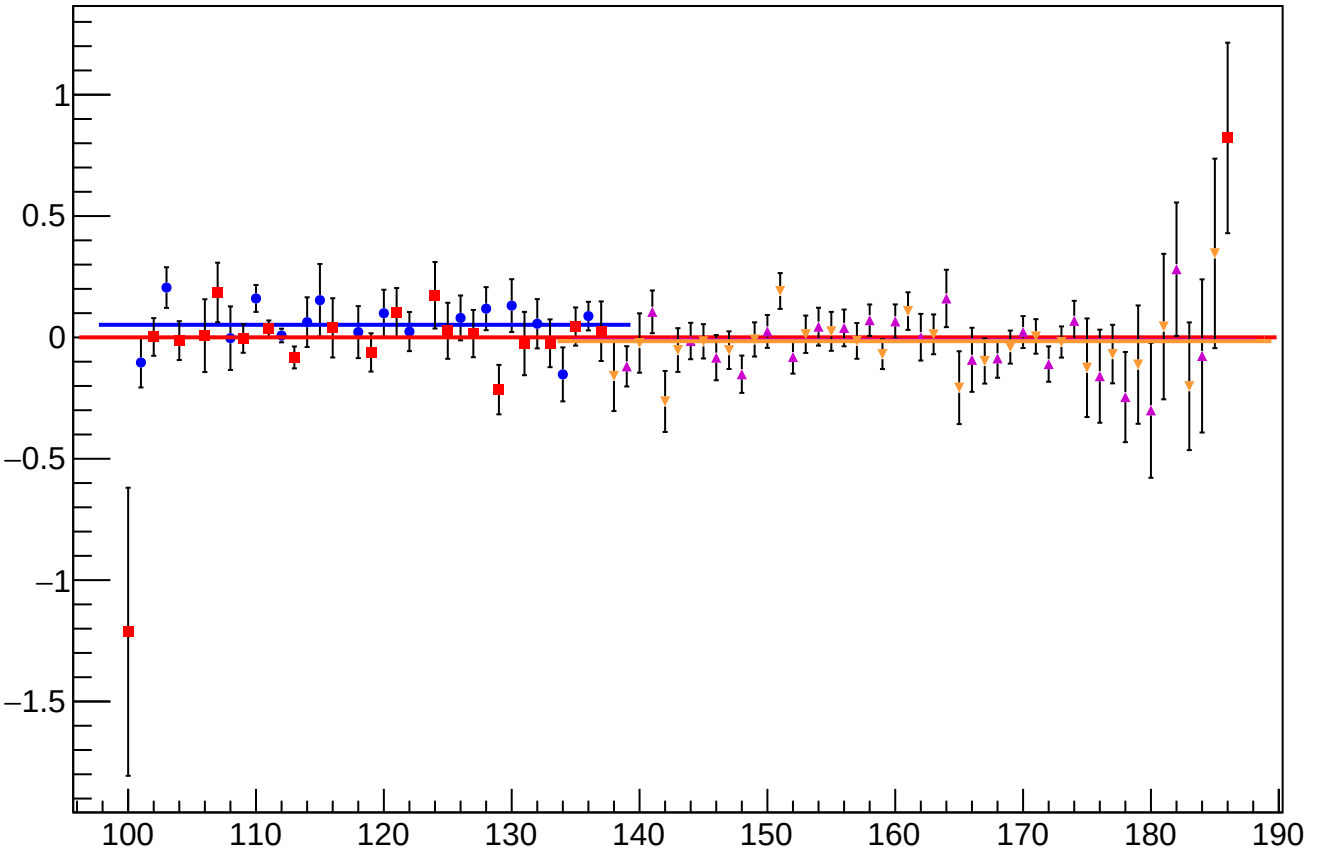
Right Out: 0.002+/-0.000 χ^2/NDF: 3828446.5/19

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 9989291.4/40

All: 0.002+/-0.000 χ^2/NDF: 21654824.8/83

- sign 0.002+/-0.000 χ^2/NDF: 11605281.2/42



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

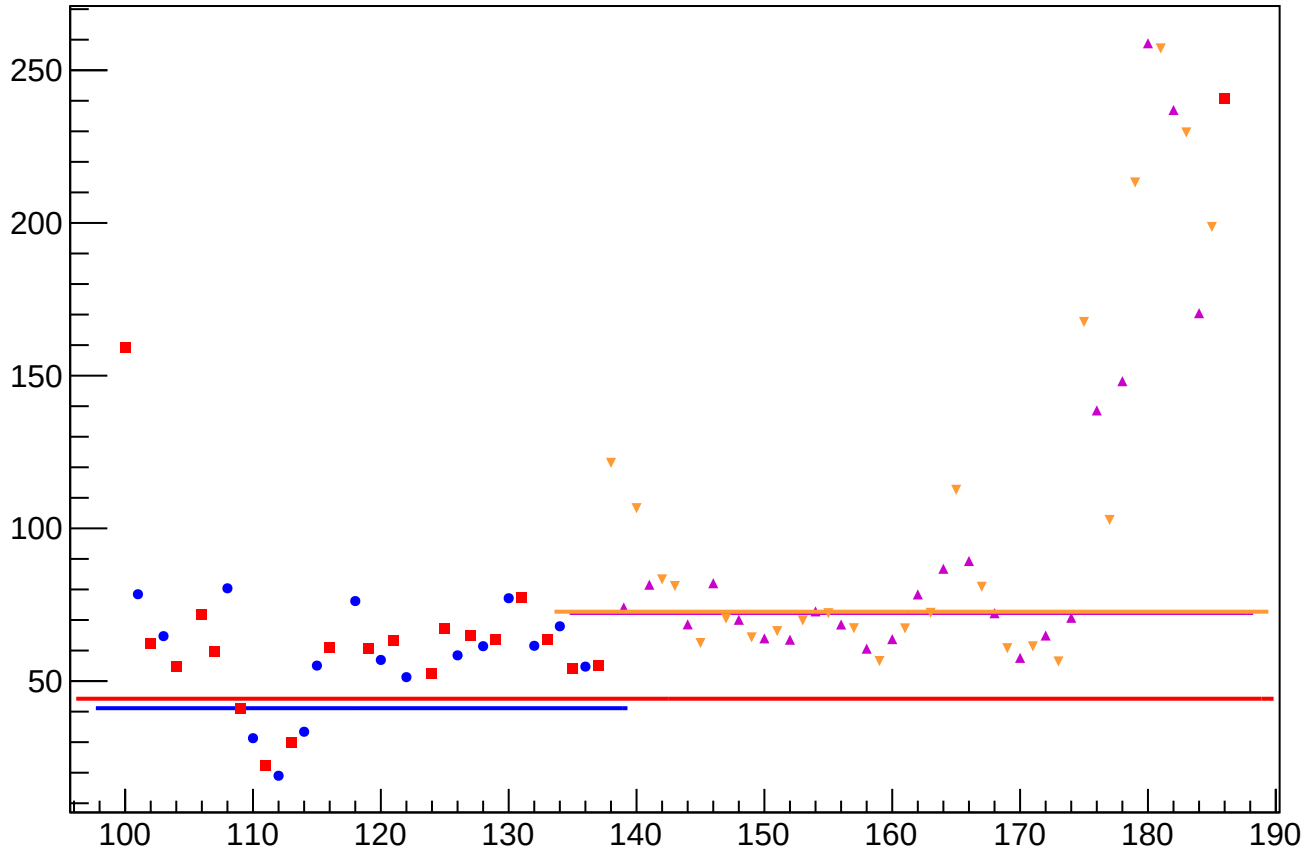
Right Out: 0.000+/-0.018 χ^2/NDF: 23.6/19

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 46.7/40

All: 0.007+/-0.009 χ^2/NDF: 95.7/83

- sign -0.005+/-0.013 χ^2/NDF: 47.2/42



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

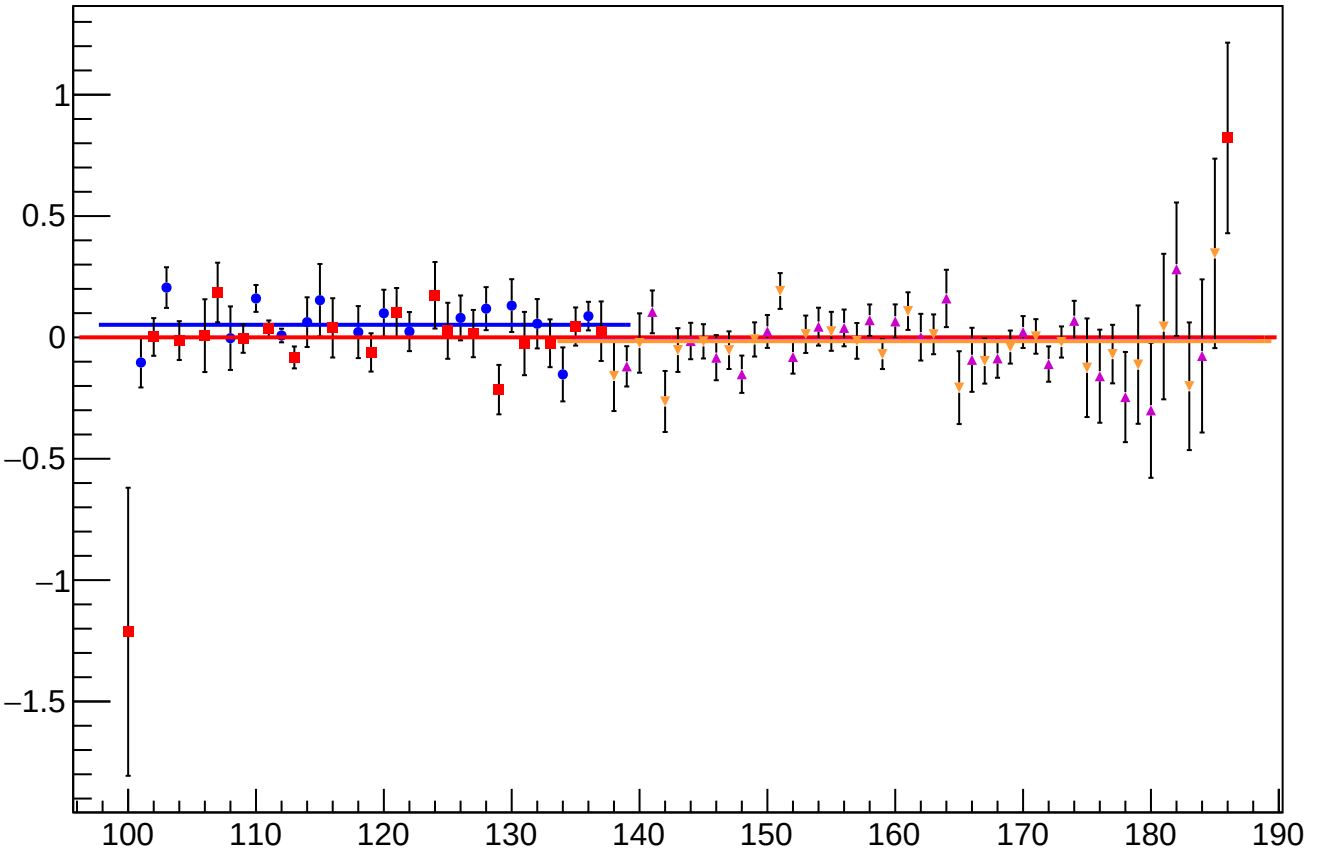
Right Out: 44.223+/-0.013 χ^2/NDF: 2551108.9/19

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 56.750+/-0.009 χ^2/NDF: 10013952.8/40

All: 57.363+/-0.006 χ^2/NDF: 17775442.4/83

- sign 57.992+/-0.009 χ^2/NDF: 7751940.4/42



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

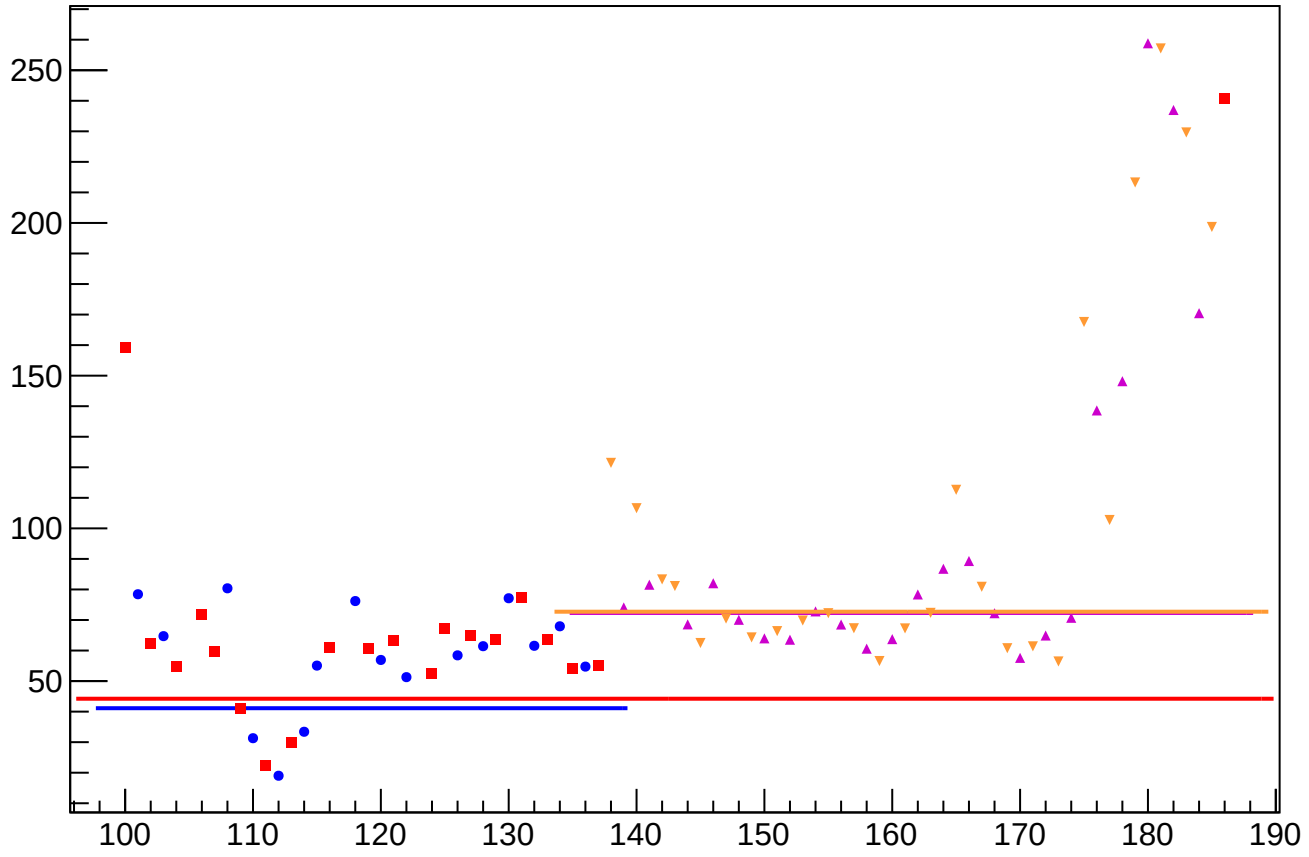
Right Out: 0.000+/-0.018 χ^2/NDF: 23.6/19

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 46.7/40

All: 0.007+/-0.009 χ^2/NDF: 95.7/83

- sign -0.005+/-0.013 χ^2/NDF: 47.2/42



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

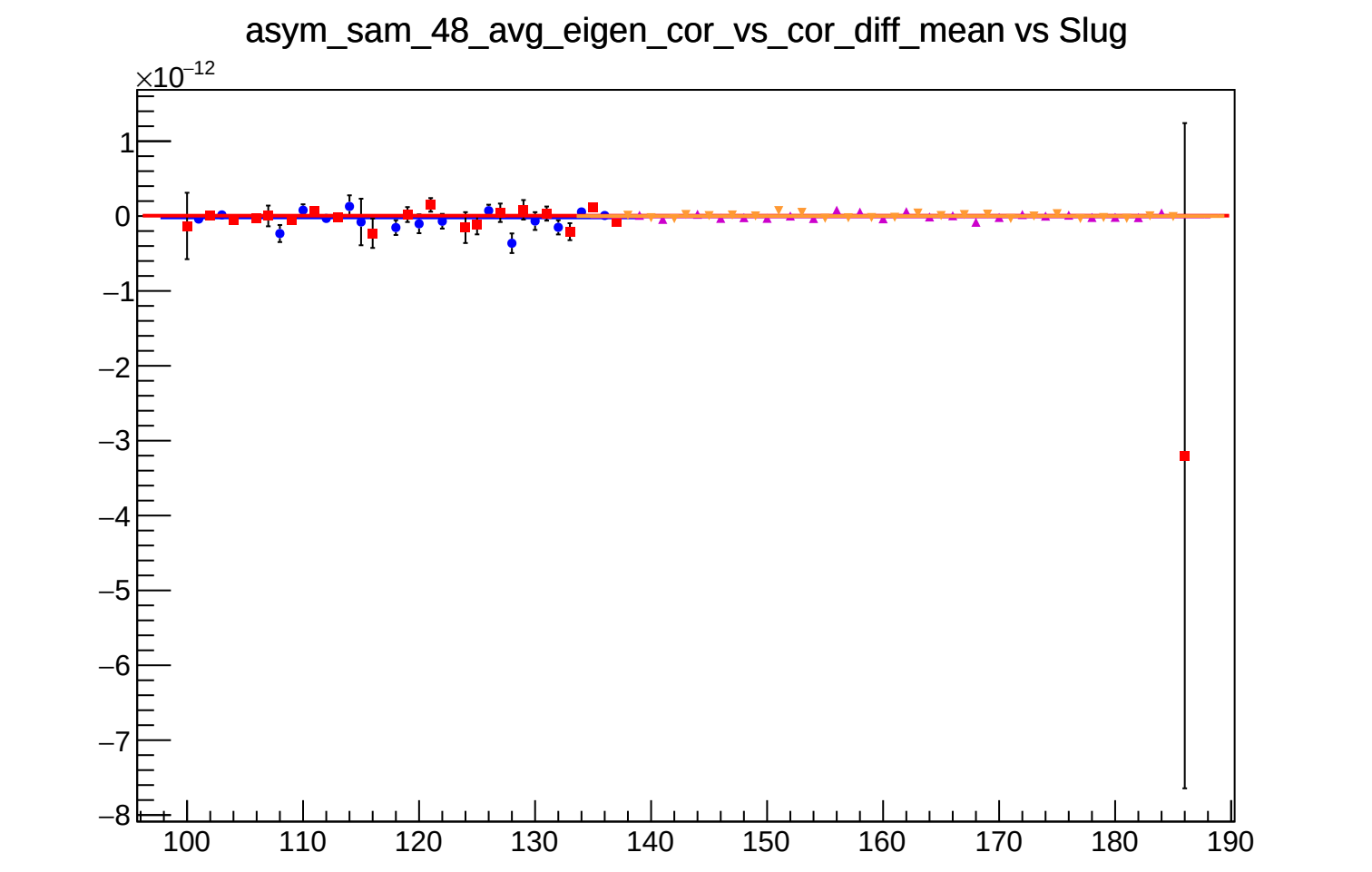
Right Out: 44.223+/-0.013 χ^2/NDF: 2551108.9/19

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 56.750+/-0.009 χ^2/NDF: 10013952.8/40

All: 57.363+/-0.006 χ^2/NDF: 17775442.4/83

- sign 57.992+/-0.009 χ^2/NDF: 7751940.4/42



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

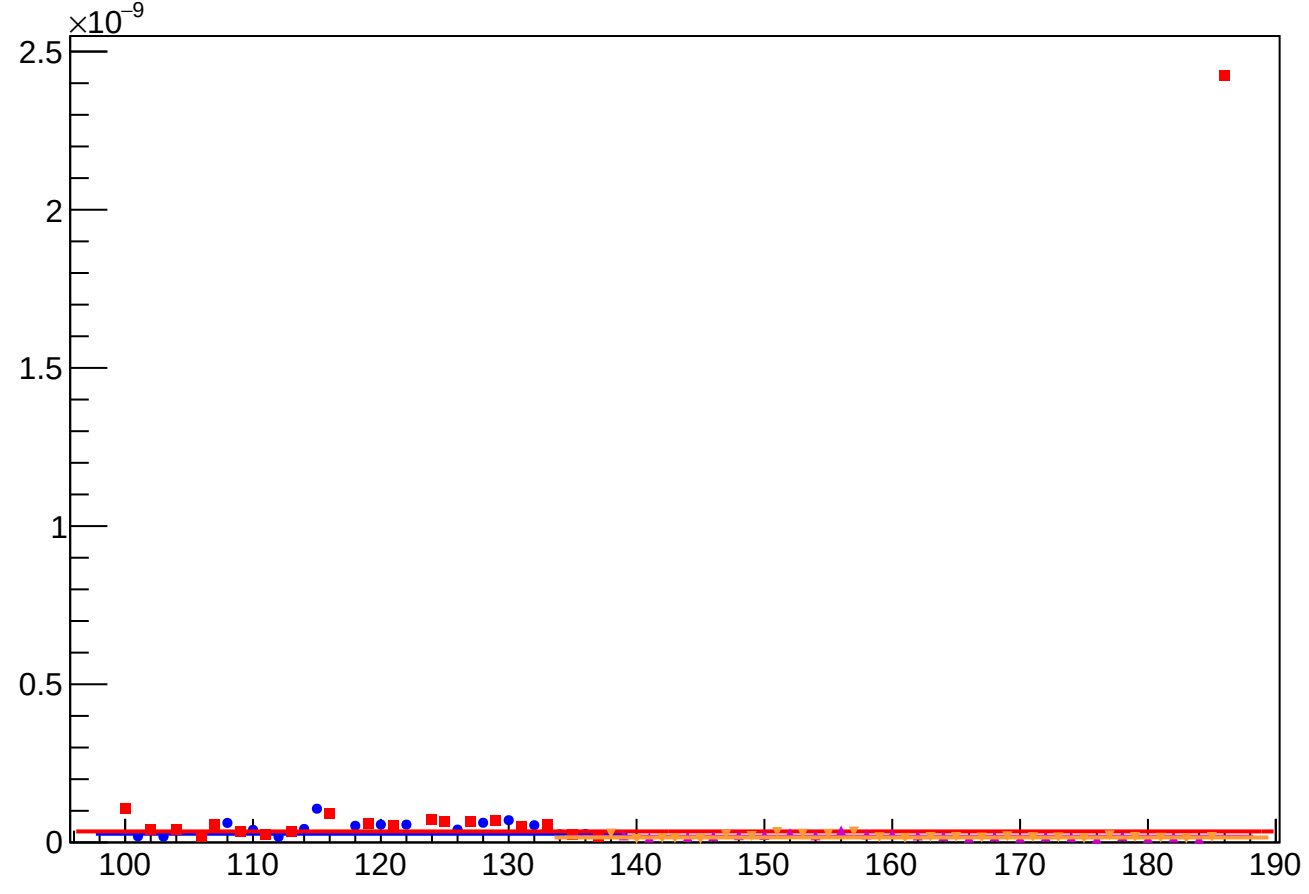
Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/19

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.2/40

All: -0.000+/-0.000 χ^2/NDF: 114.9/83

- sign -0.000+/-0.000 χ^2/NDF: 62.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2255193.3/19

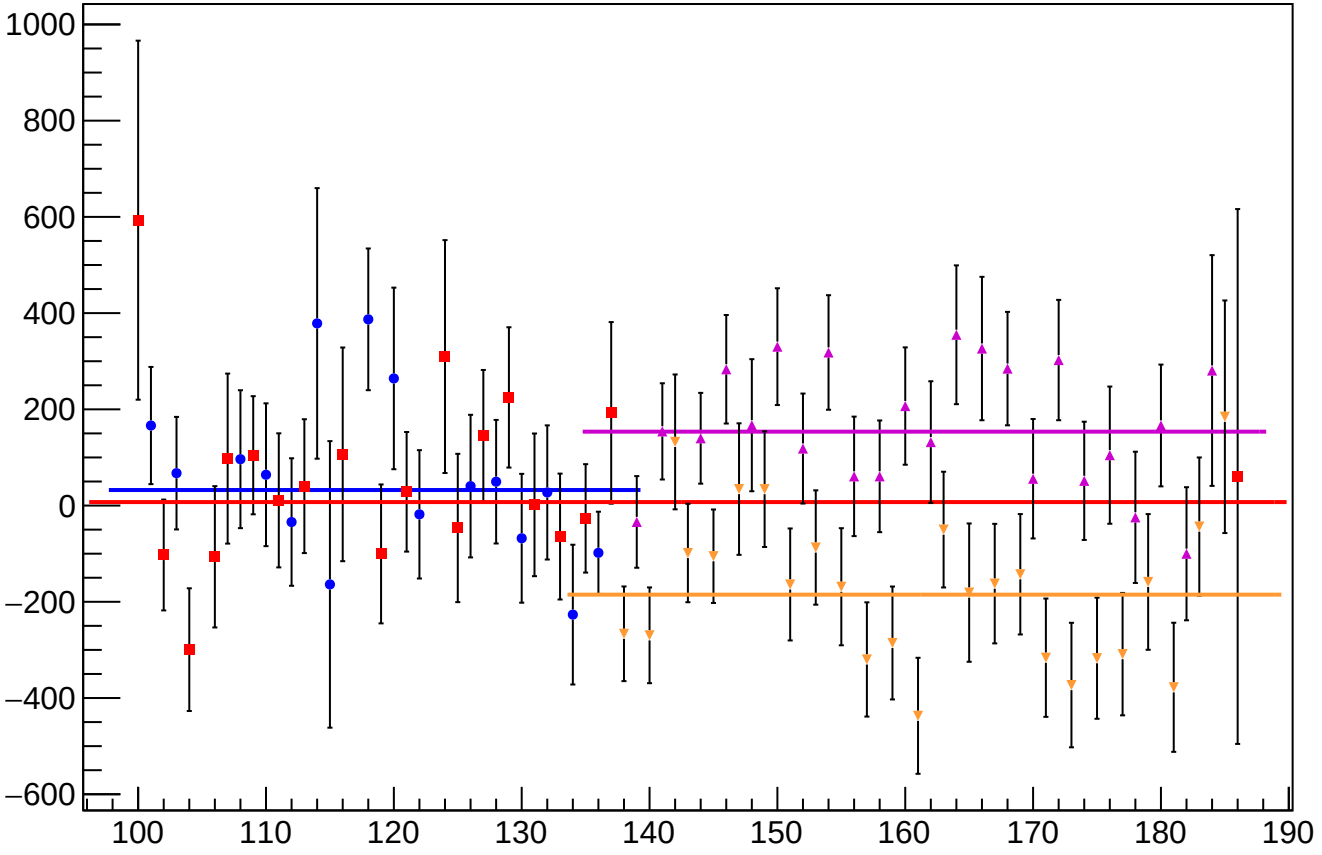
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5322407.8/40

All: 0.000+/-0.000 χ^2/NDF: 11365311.8/83

- sign 0.000+/-0.000 χ^2/NDF: 5699893.8/42

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 7.263+/-33.360 χ^2/NDF: 17.8/19

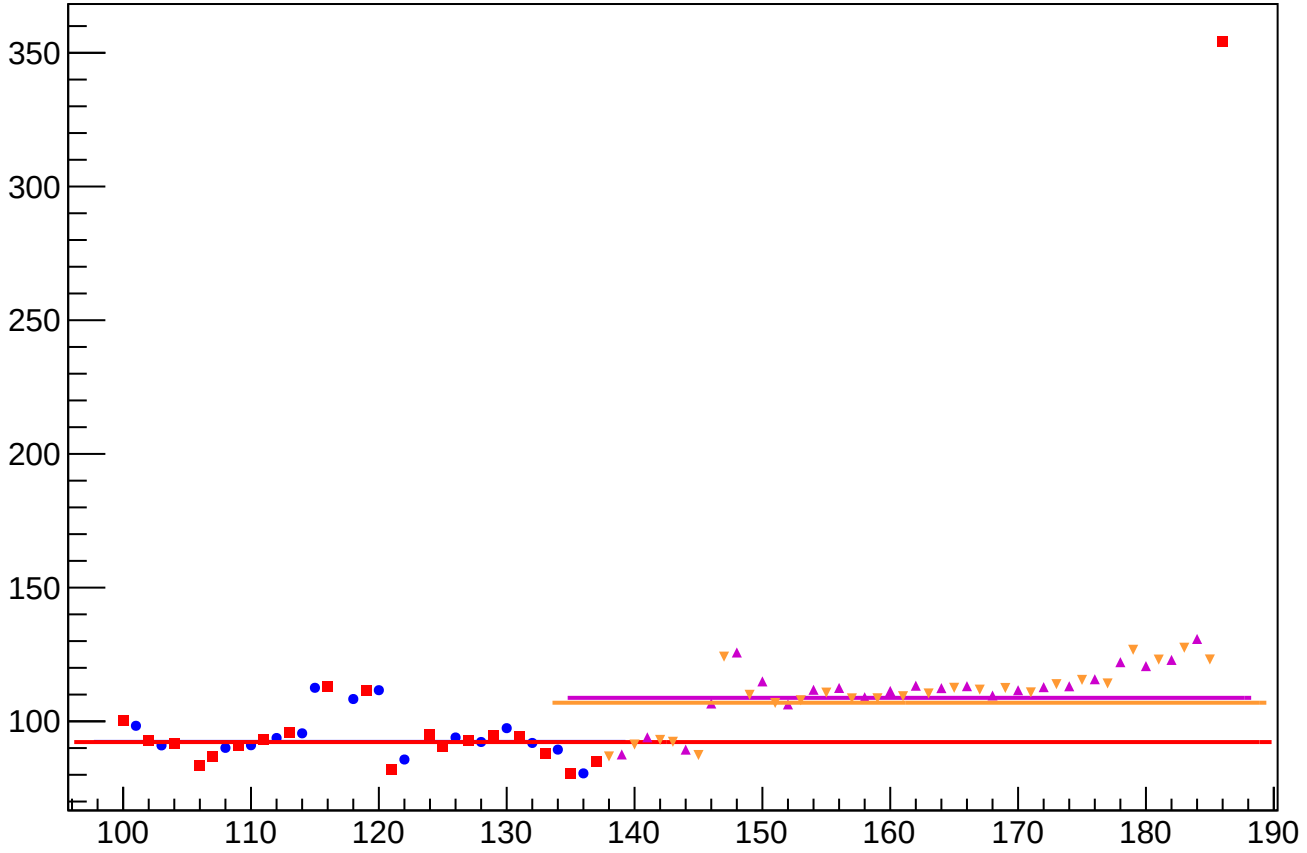
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -112.238+/-19.936 χ^2/NDF: 76.9/40

All: -8.149+/-14.216 χ^2/NDF: 185.8/83

- sign 99.545+/-20.278 χ^2/NDF: 53.4/42

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 92.241+/-0.024 χ^2/NDF: 550782.0/19

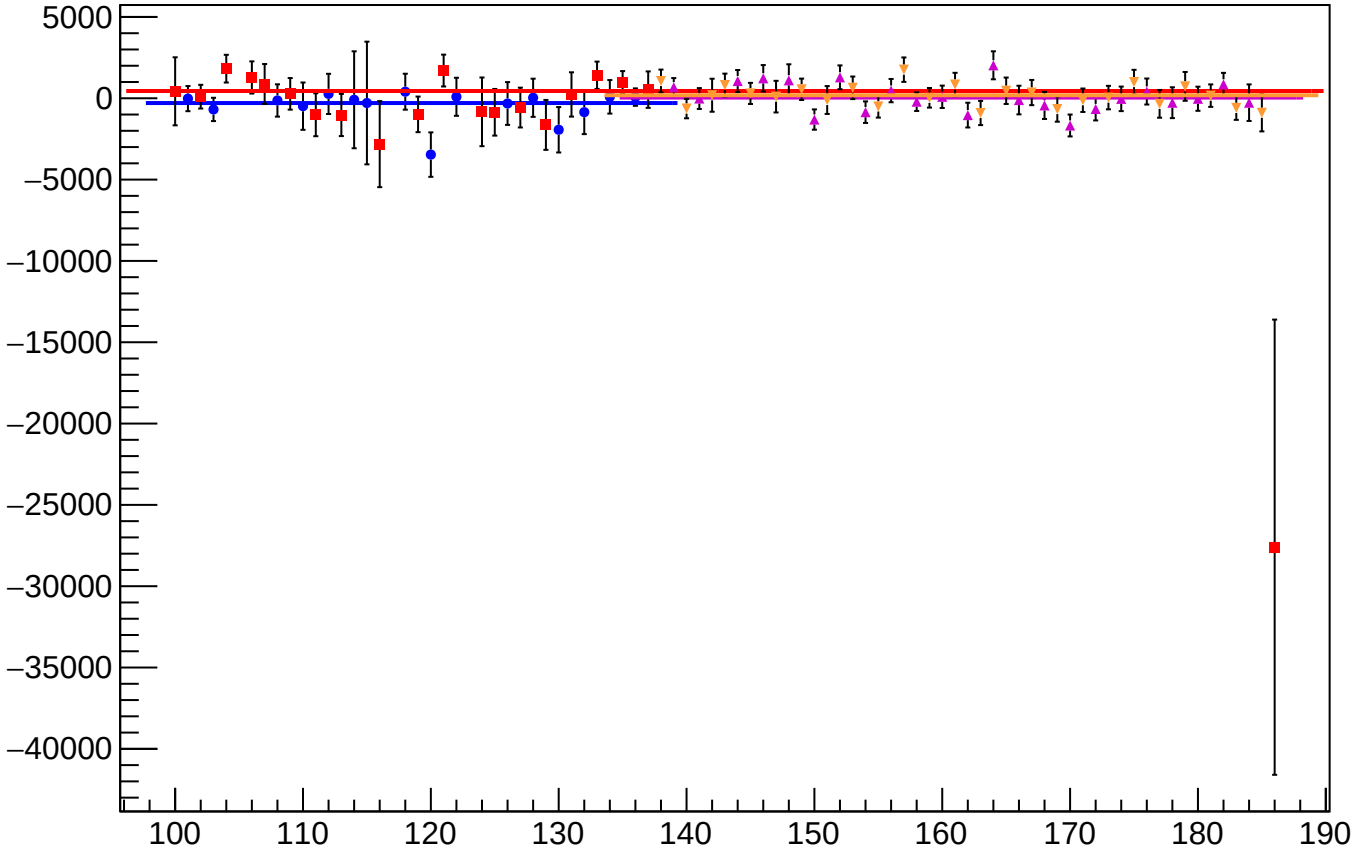
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 102.041+/-0.014 χ^2/NDF: 812099.2/40

All: 102.350+/-0.010 χ^2/NDF: 2032280.8/83

- sign 102.669+/-0.014 χ^2/NDF: 1219207.4/42

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 446.969+/-248.677 χ^2/NDF: 20.9/19

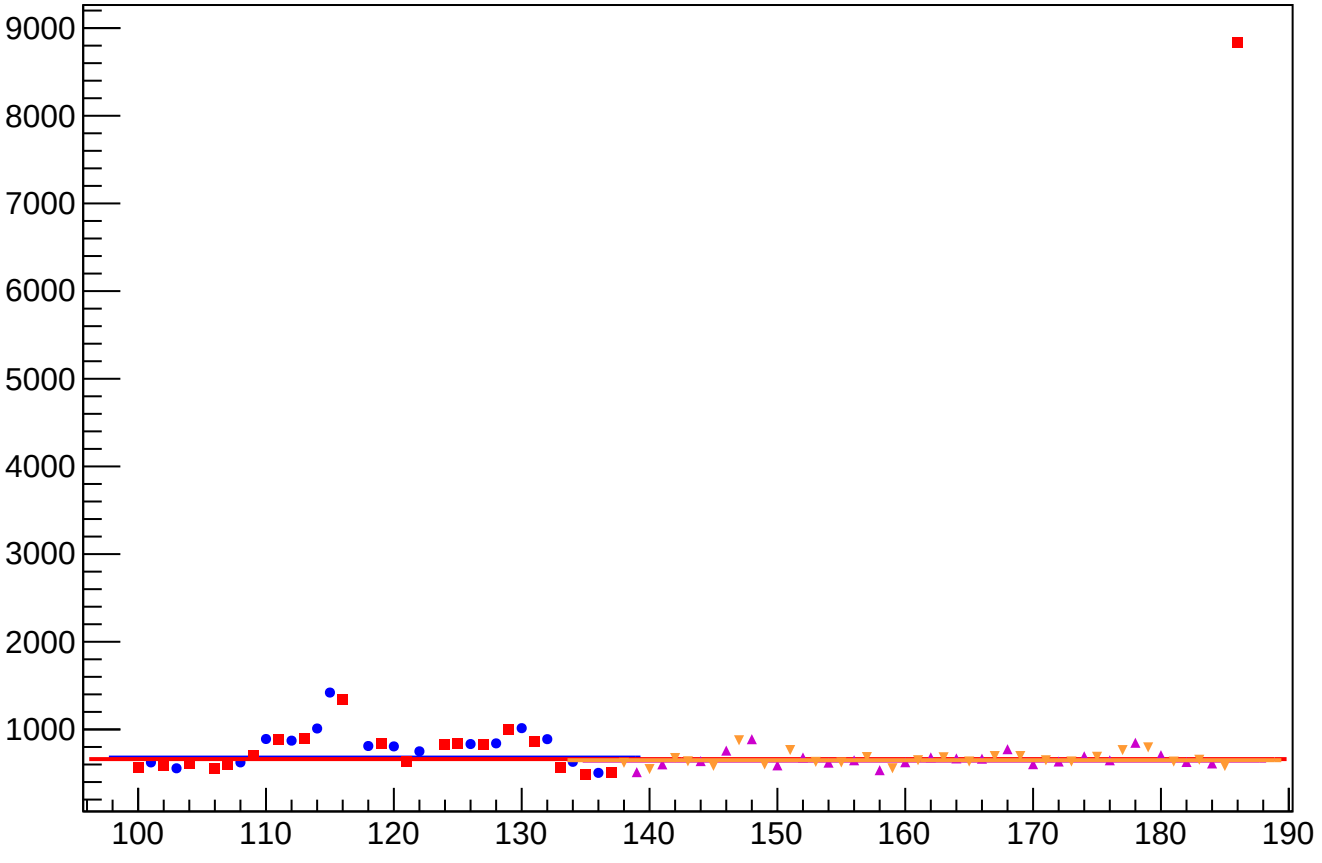
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 67.988+/-129.121 χ^2/NDF: 30.4/40

All: 110.354+/-91.516 χ^2/NDF: 87.2/83

- sign 153.119+/-129.728 χ^2/NDF: 56.5/42

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 661.715+/-0.176 χ^2/NDF: 1478417.2/19

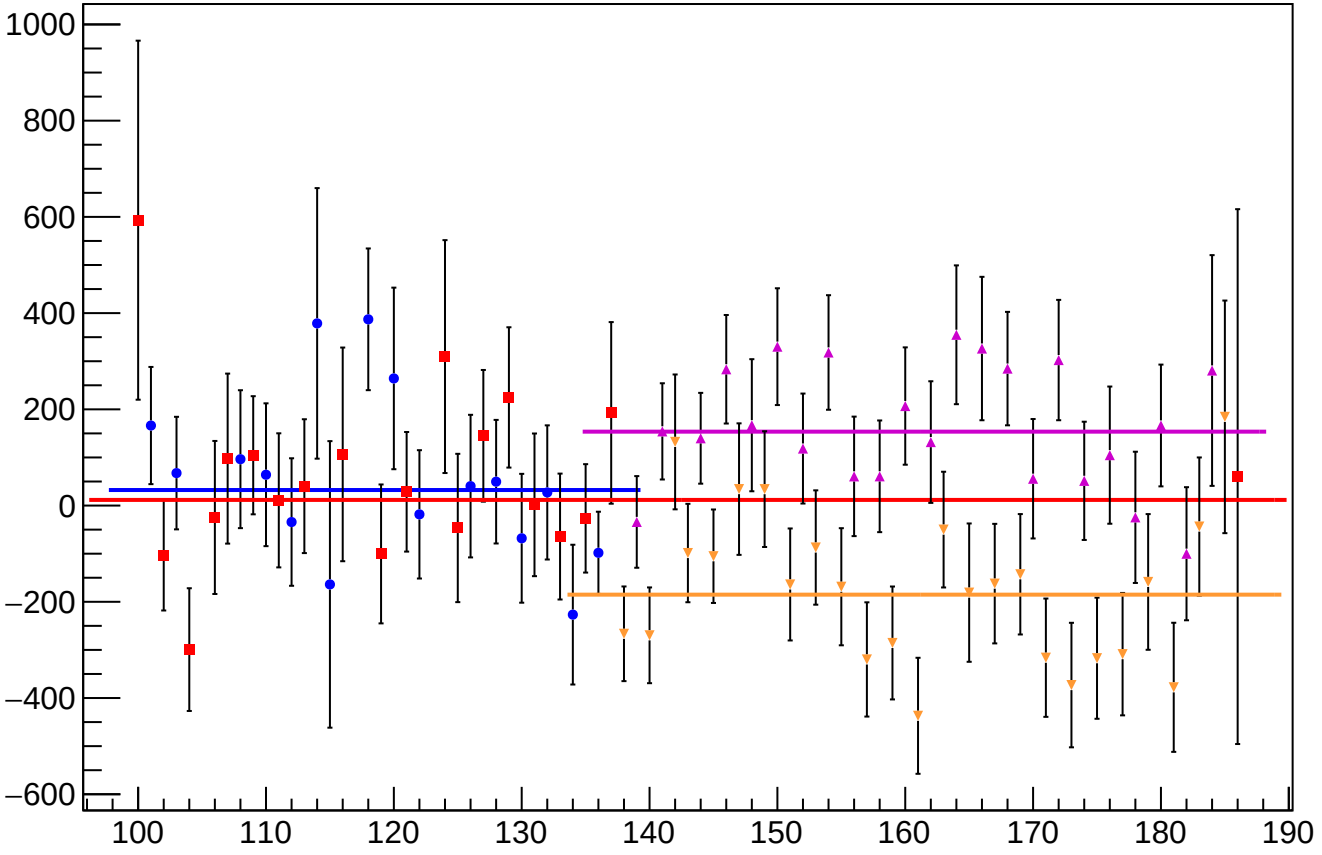
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 656.559+/-0.091 χ^2/NDF: 1206191.9/40

All: 652.735+/-0.065 χ^2/NDF: 3254582.9/83

- sign 648.874+/-0.092 χ^2/NDF: 2044864.6/42

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 11.752+/-33.488 χ^2/NDF: 17.2/19

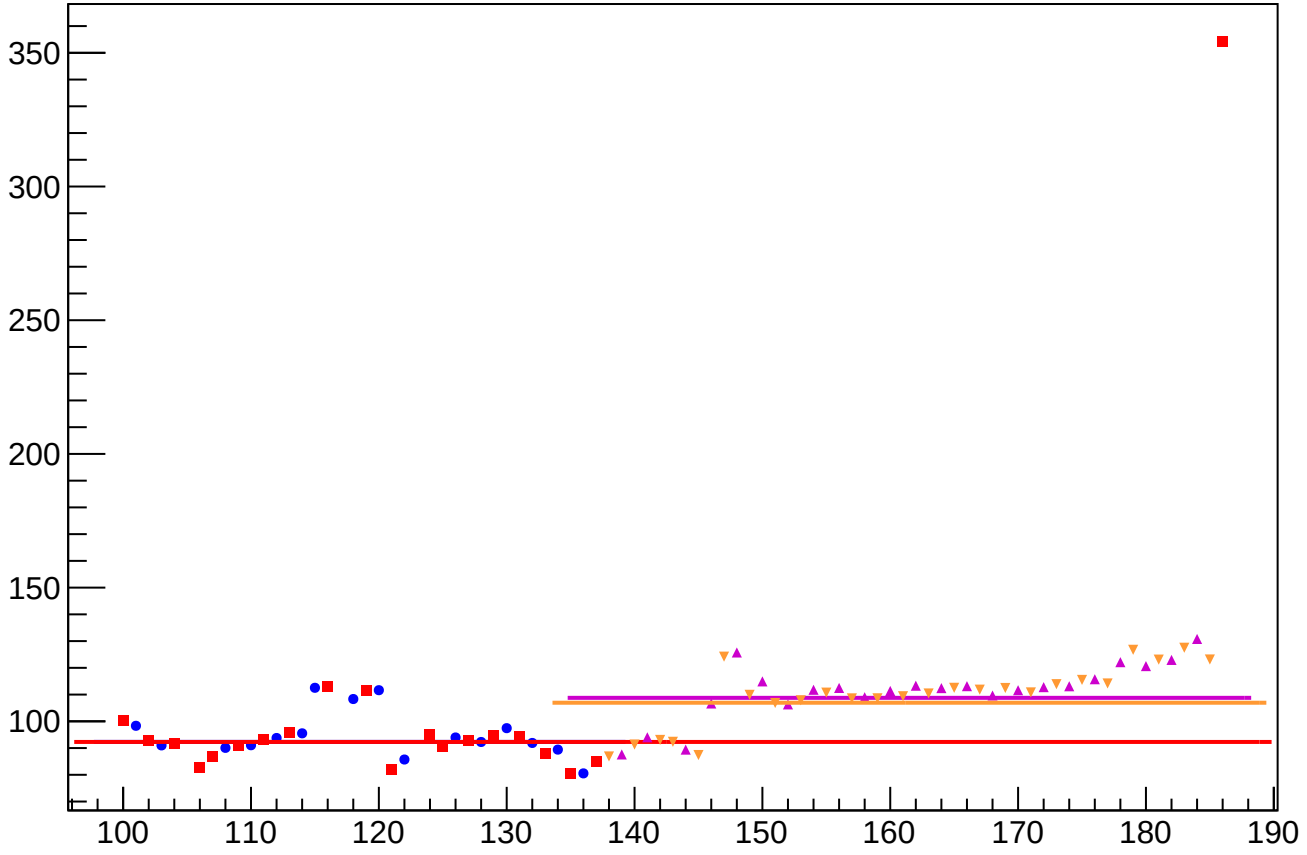
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -112.235+/-19.936 χ^2/NDF: 76.9/40

All: -7.357+/-14.226 χ^2/NDF: 185.3/83

- sign 101.460+/-20.307 χ^2/NDF: 52.1/42

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 92.286+/-0.024 χ^2/NDF: 550461.3/19

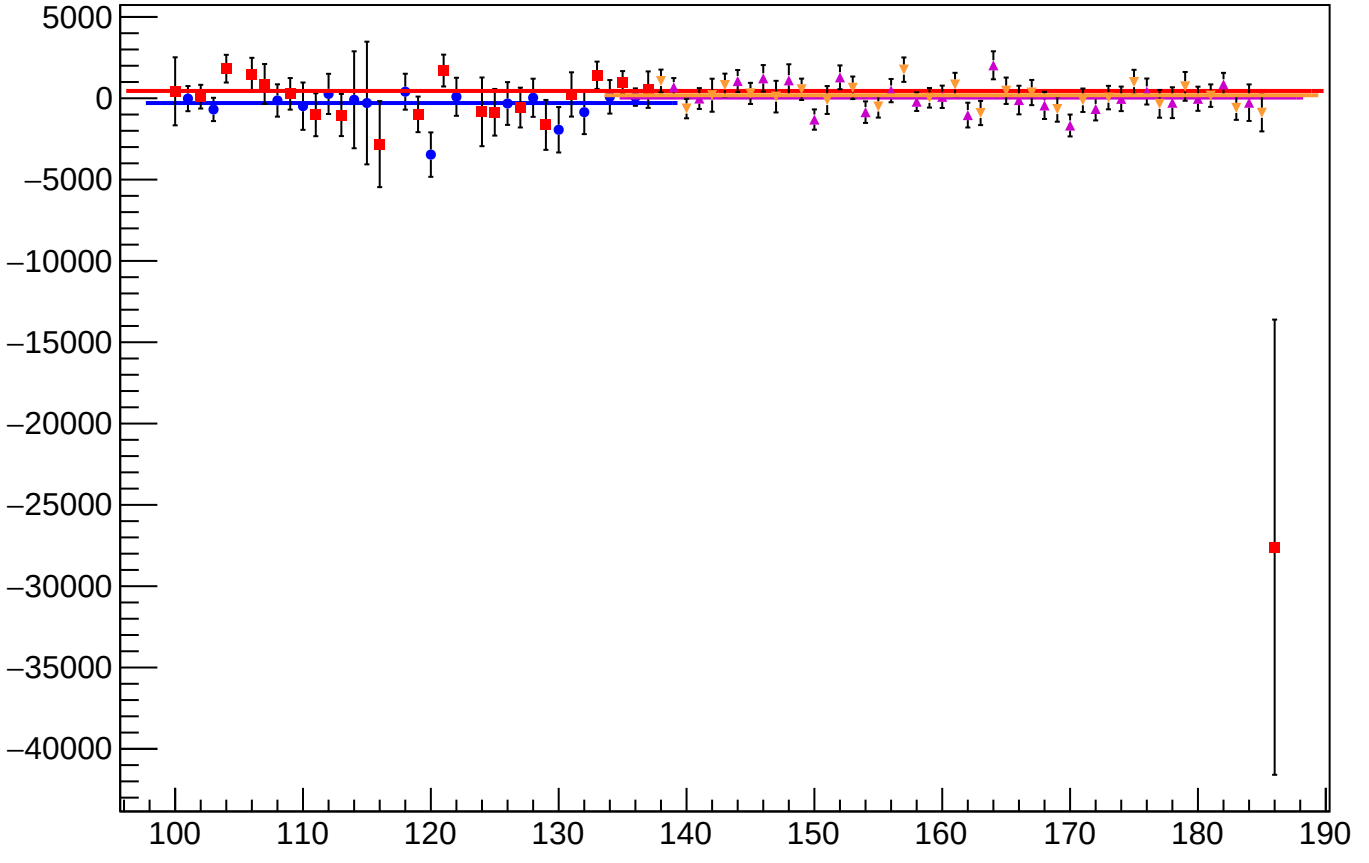
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 102.041+/-0.014 χ^2/NDF: 812099.1/40

All: 102.372+/-0.010 χ^2/NDF: 2028918.6/83

\- sign 102.715+/-0.014 χ^2/NDF: 1215698.2/42

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 450.674+/-249.503 χ^2/NDF: 21.1/19

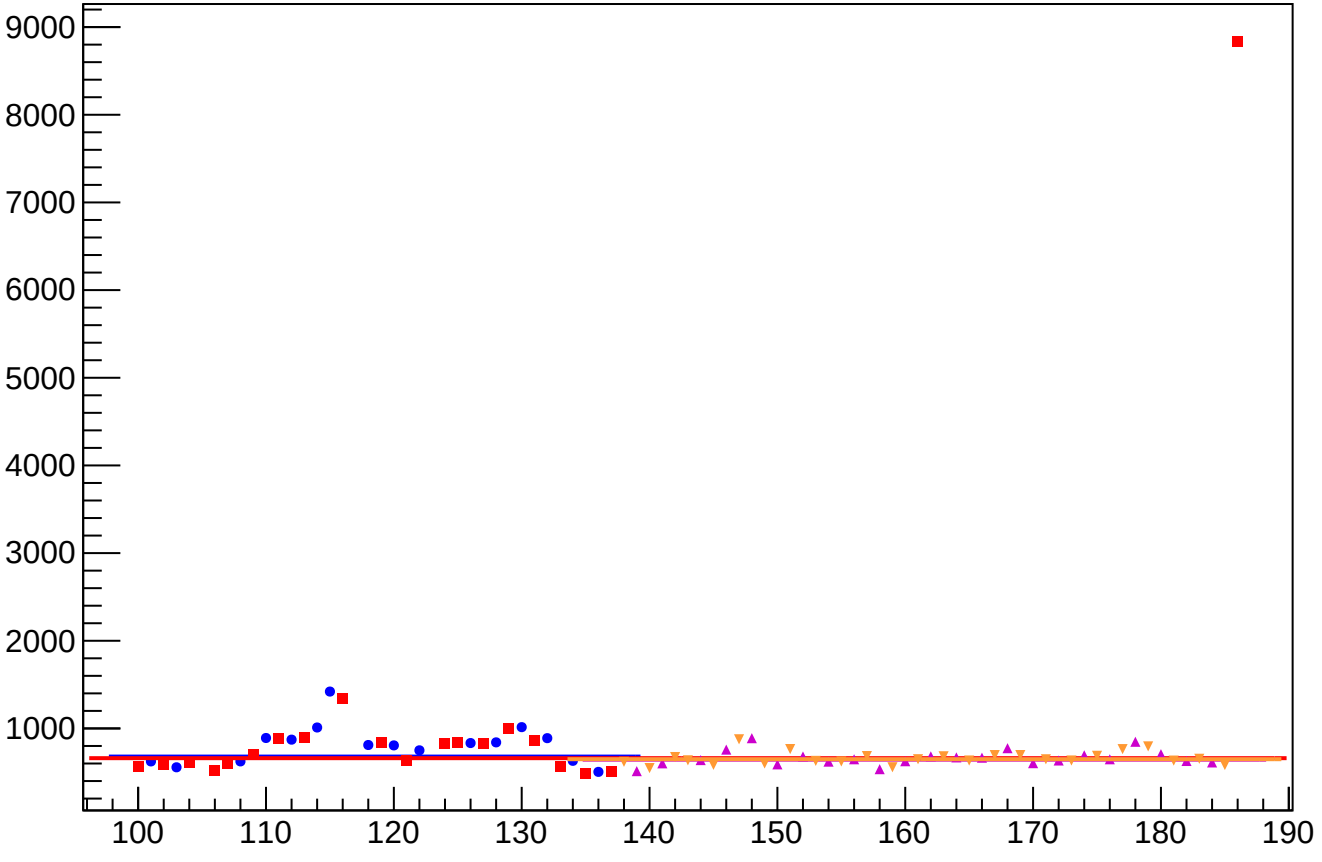
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 67.984+/-129.121 χ^2/NDF: 30.4/40

All: 110.550+/-91.557 χ^2/NDF: 87.4/83

- sign 153.594+/-129.845 χ^2/NDF: 56.7/42

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 660.861+/-0.176 χ^2/NDF: 1488581.7/19

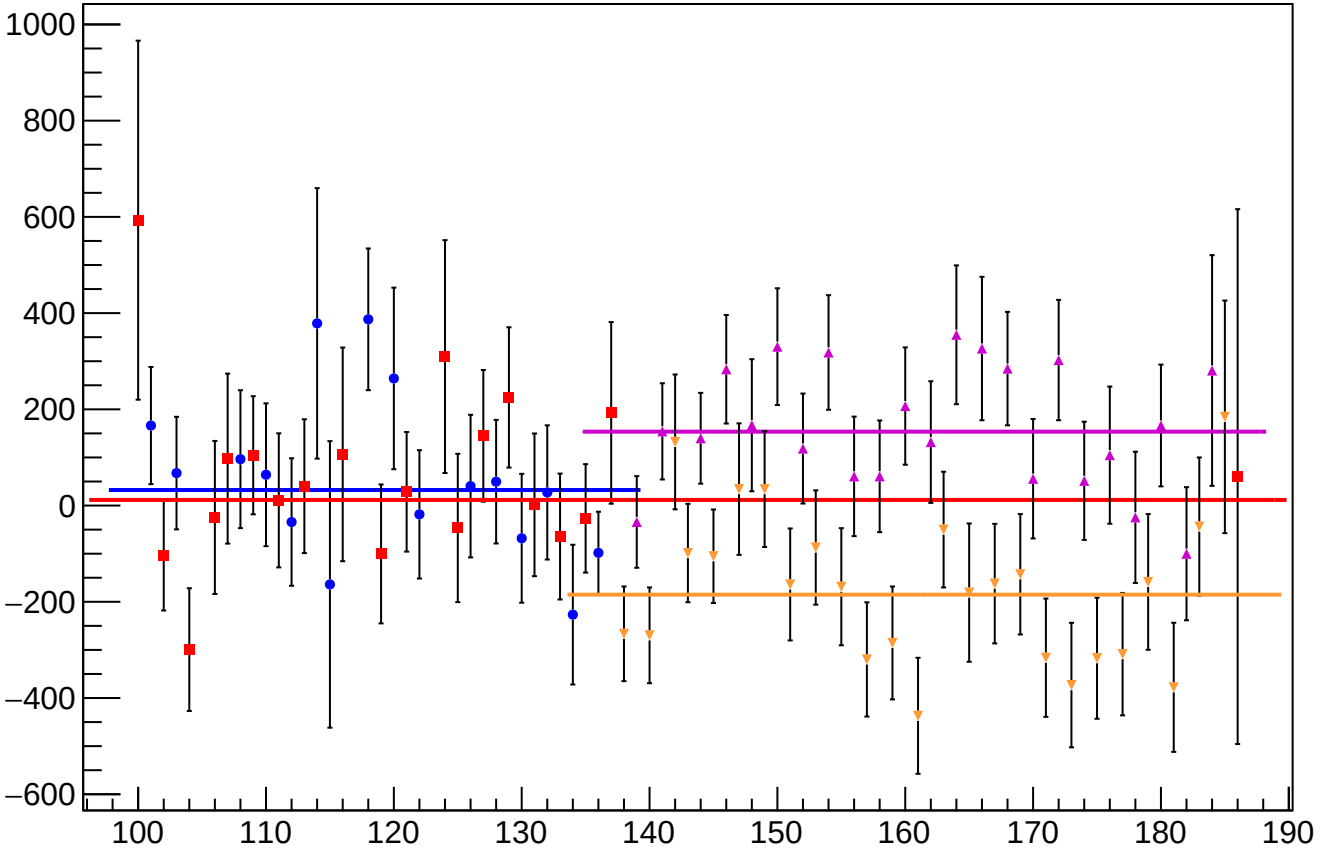
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 656.559+/-0.091 χ^2/NDF: 1206194.1/40

All: 652.612+/-0.065 χ^2/NDF: 3264260.4/83

- sign 648.619+/-0.092 χ^2/NDF: 2054305.9/42

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 11.752+/-33.488 χ^2/NDF: 17.2/19

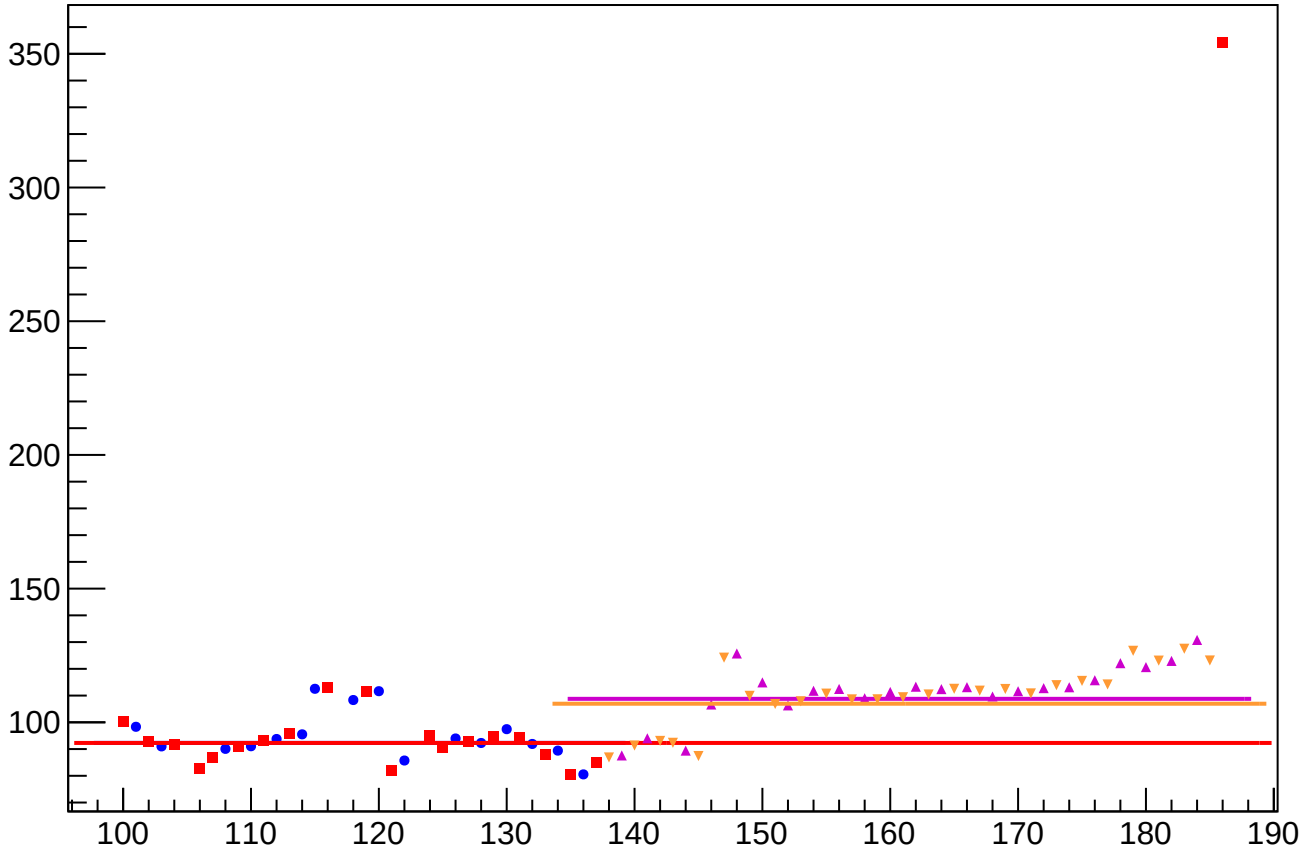
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -112.235+/-19.936 χ^2/NDF: 76.9/40

All: -7.357+/-14.226 χ^2/NDF: 185.3/83

- sign 101.460+/-20.307 χ^2/NDF: 52.1/42

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

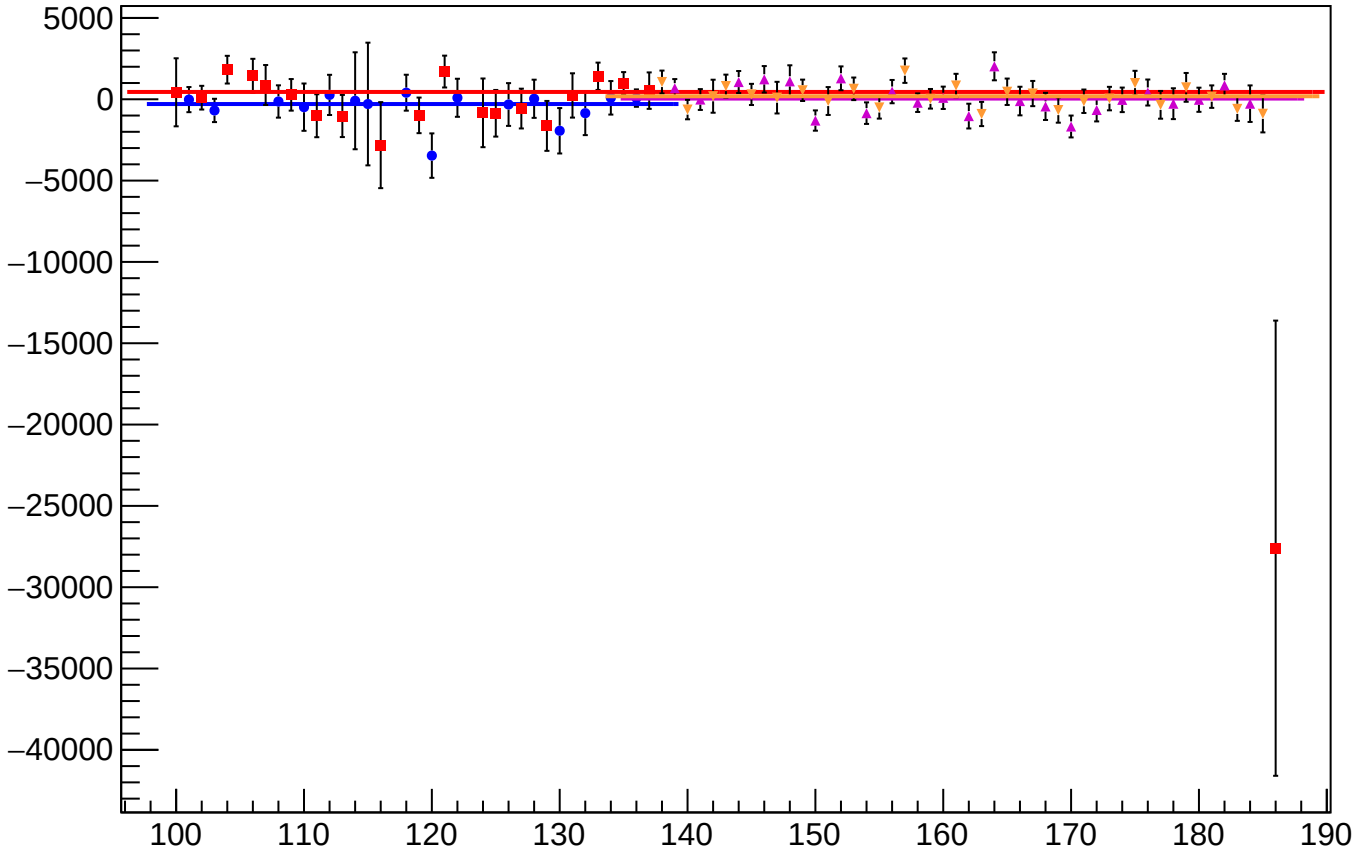
Right Out: 92.286+/-0.024 χ^2/NDF: 550461.3/19

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 102.041+/-0.014 χ^2/NDF: 812099.1/40

All: 102.372+/-0.010 χ^2/NDF: 2028918.6/83

\- sign 102.715+/-0.014 χ^2/NDF: 1215698.2/42



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 450.674+/-249.503 χ^2/NDF: 21.1/19

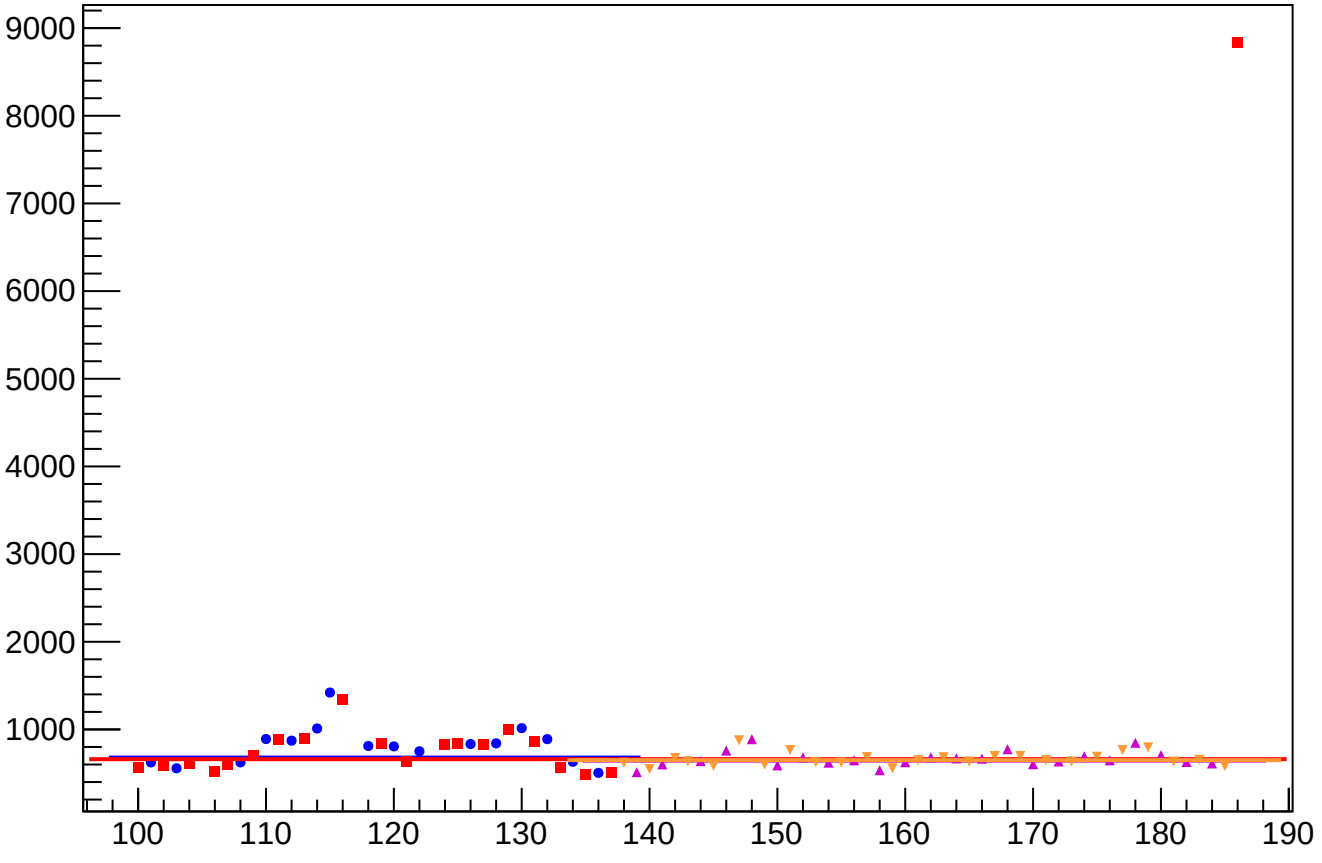
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

\+ sign 67.984+/-129.121 χ^2/NDF: 30.4/40

All: 110.550+/-91.557 χ^2/NDF: 87.4/83

\- sign 153.594+/-129.845 χ^2/NDF: 56.7/42

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 660.861+/-0.176 χ^2/NDF: 1488581.7/19

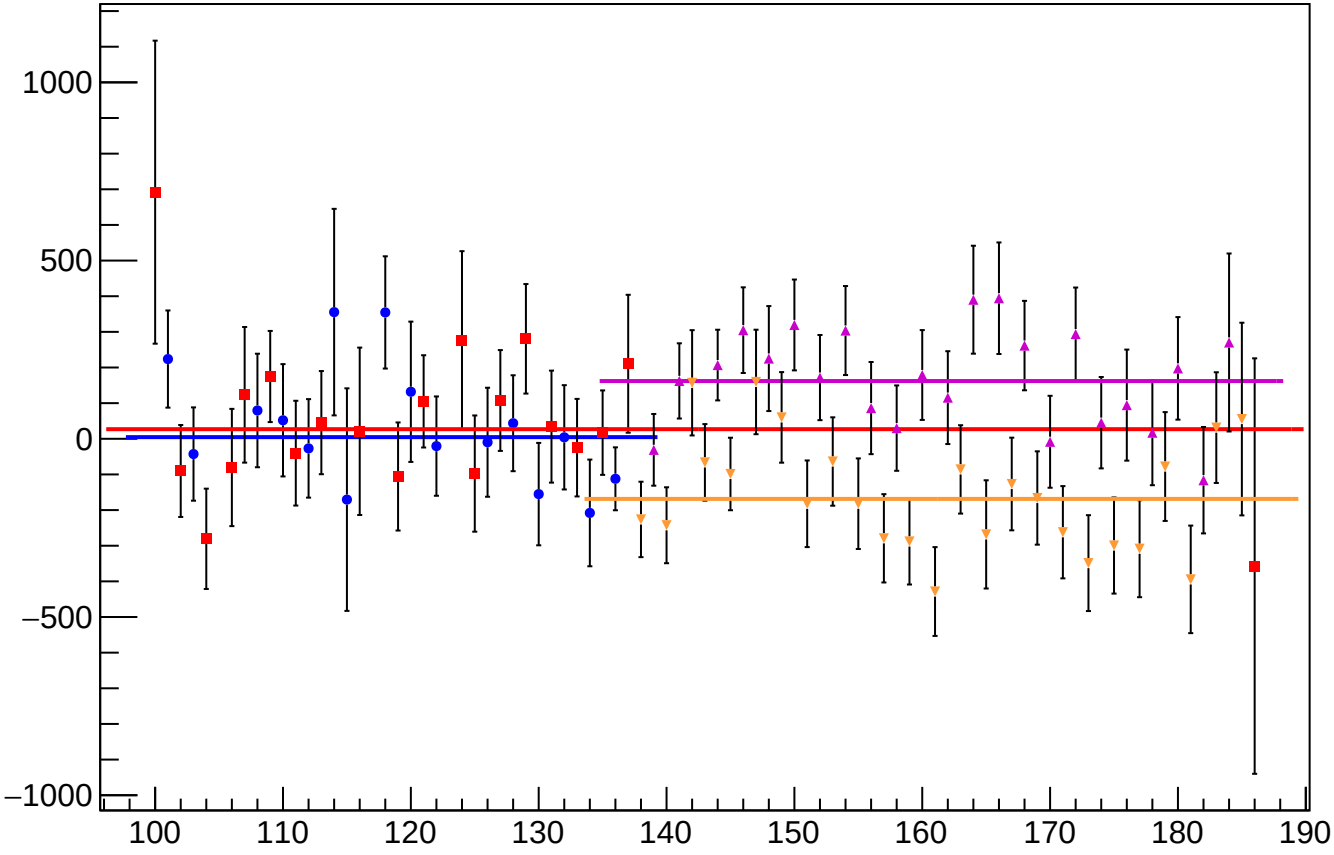
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 656.559+/-0.091 χ^2/NDF: 1206194.1/40

All: 652.612+/-0.065 χ^2/NDF: 3264260.4/83

- sign 648.619+/-0.092 χ^2/NDF: 2054305.9/42

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 26.985+/-35.399 χ^2/NDF: 17.5/19

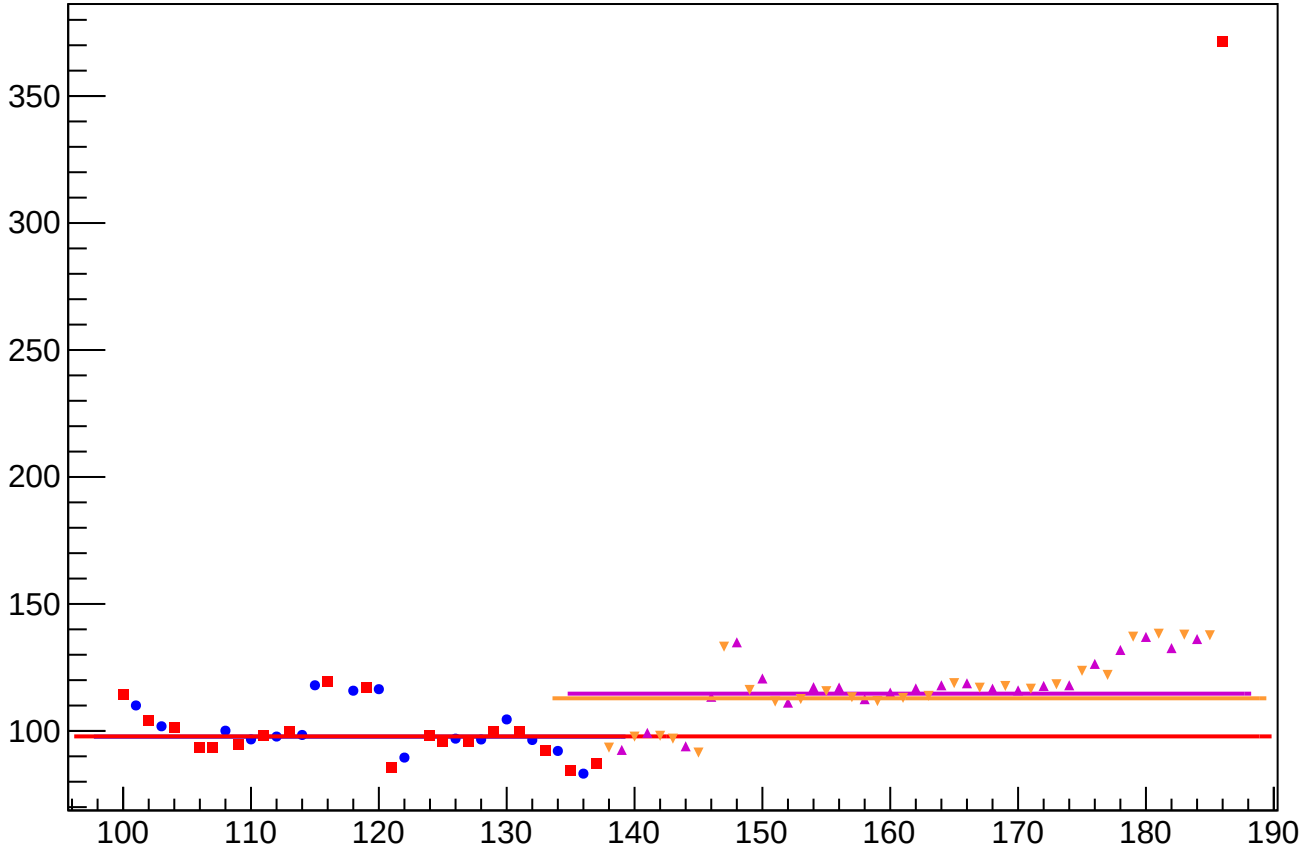
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -110.872+/-21.080 χ^2/NDF: 62.7/40

All: -1.093+/-15.032 χ^2/NDF: 168.2/83

- sign 112.483+/-21.442 χ^2/NDF: 50.3/42

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

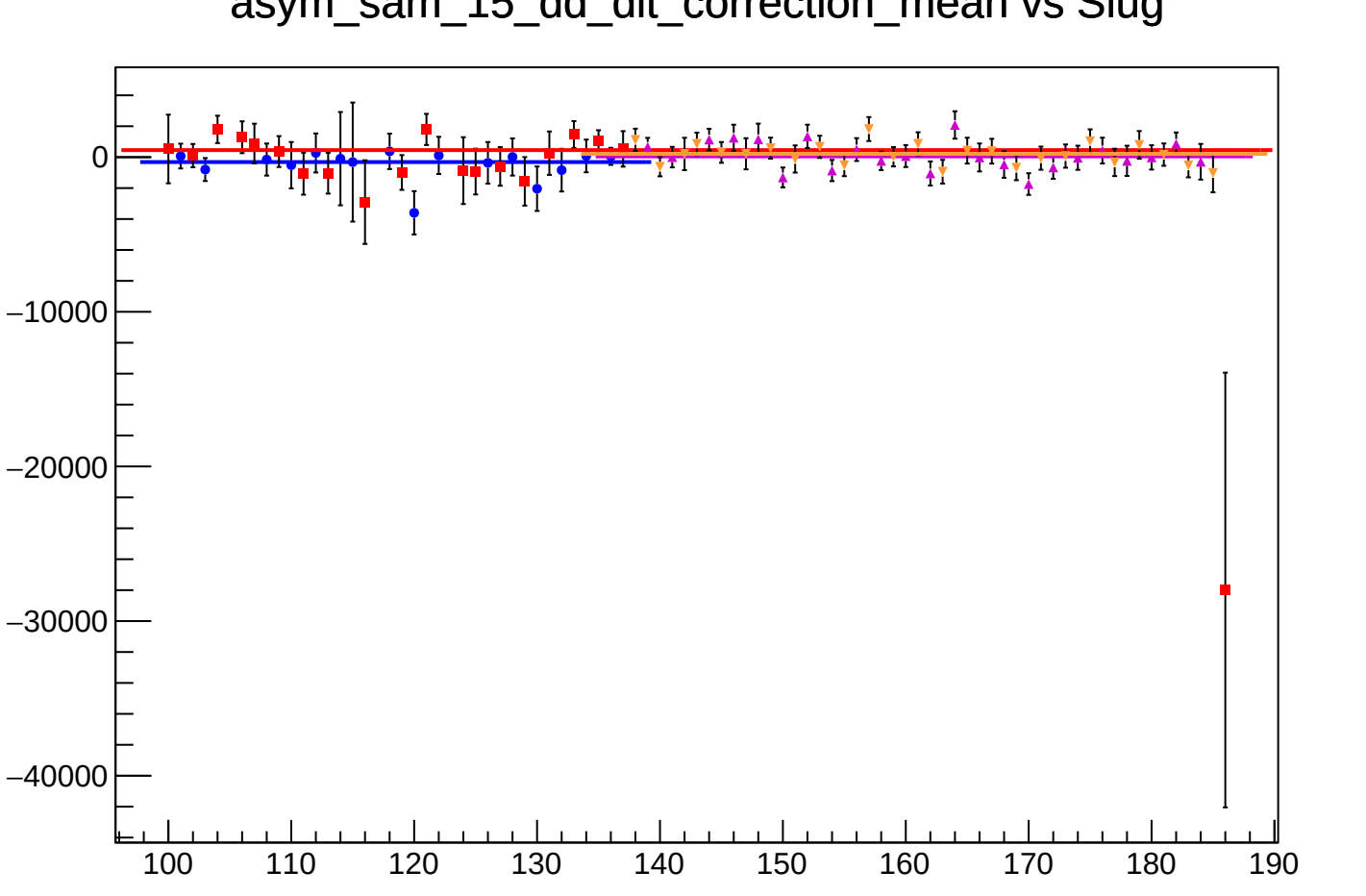
Right Out: 97.853+/-0.025 χ^2/NDF: 557380.0/19

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 107.817+/-0.015 χ^2/NDF: 880782.6/40

All: 108.155+/-0.011 χ^2/NDF: 2135164.9/83

- sign 108.504+/-0.015 χ^2/NDF: 1253338.2/42



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 456.091+/-256.603 χ^2/NDF: 20.6/19

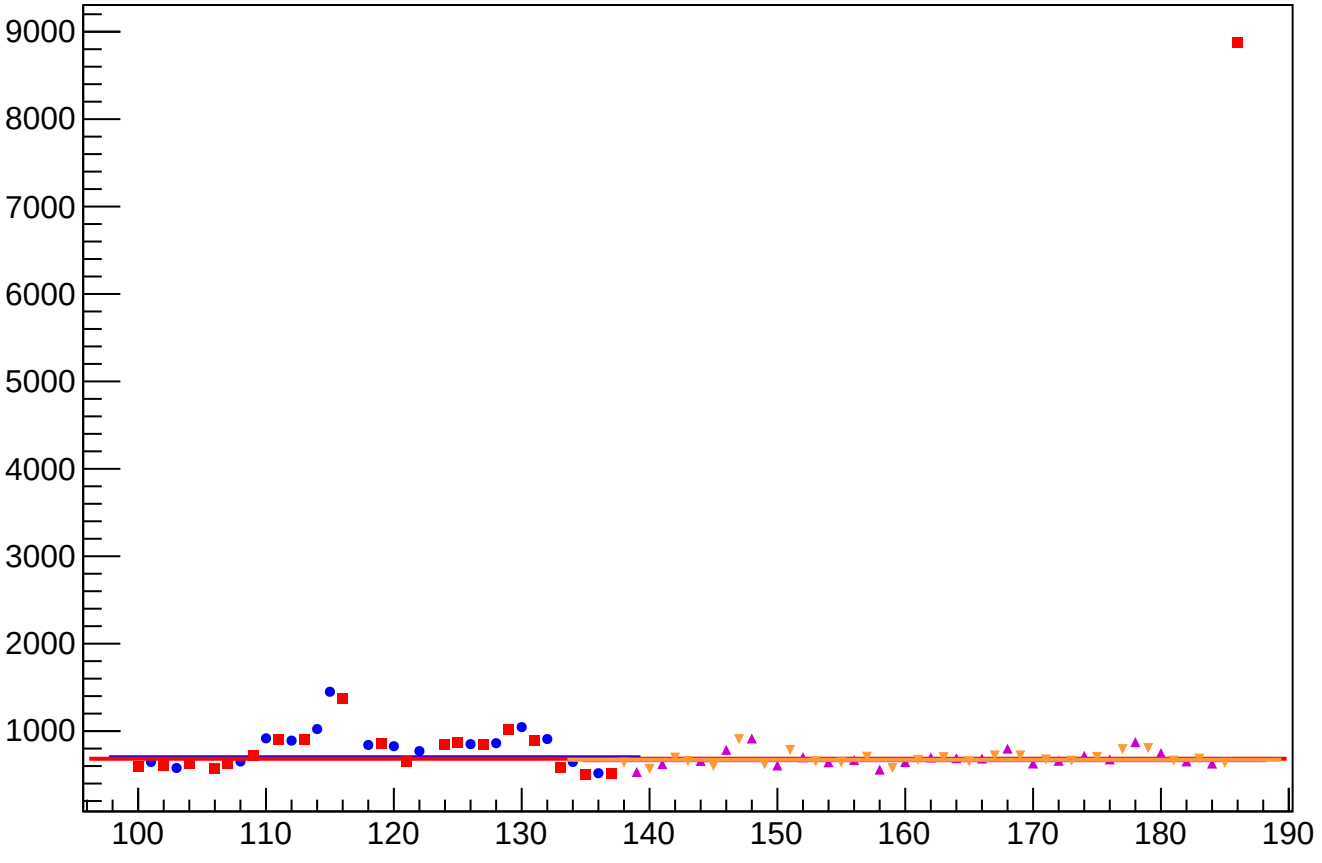
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 78.559+/-133.416 χ^2/NDF: 31.0/40

All: 119.682+/-94.623 χ^2/NDF: 86.8/83

- sign 161.303+/-134.223 χ^2/NDF: 55.7/42

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

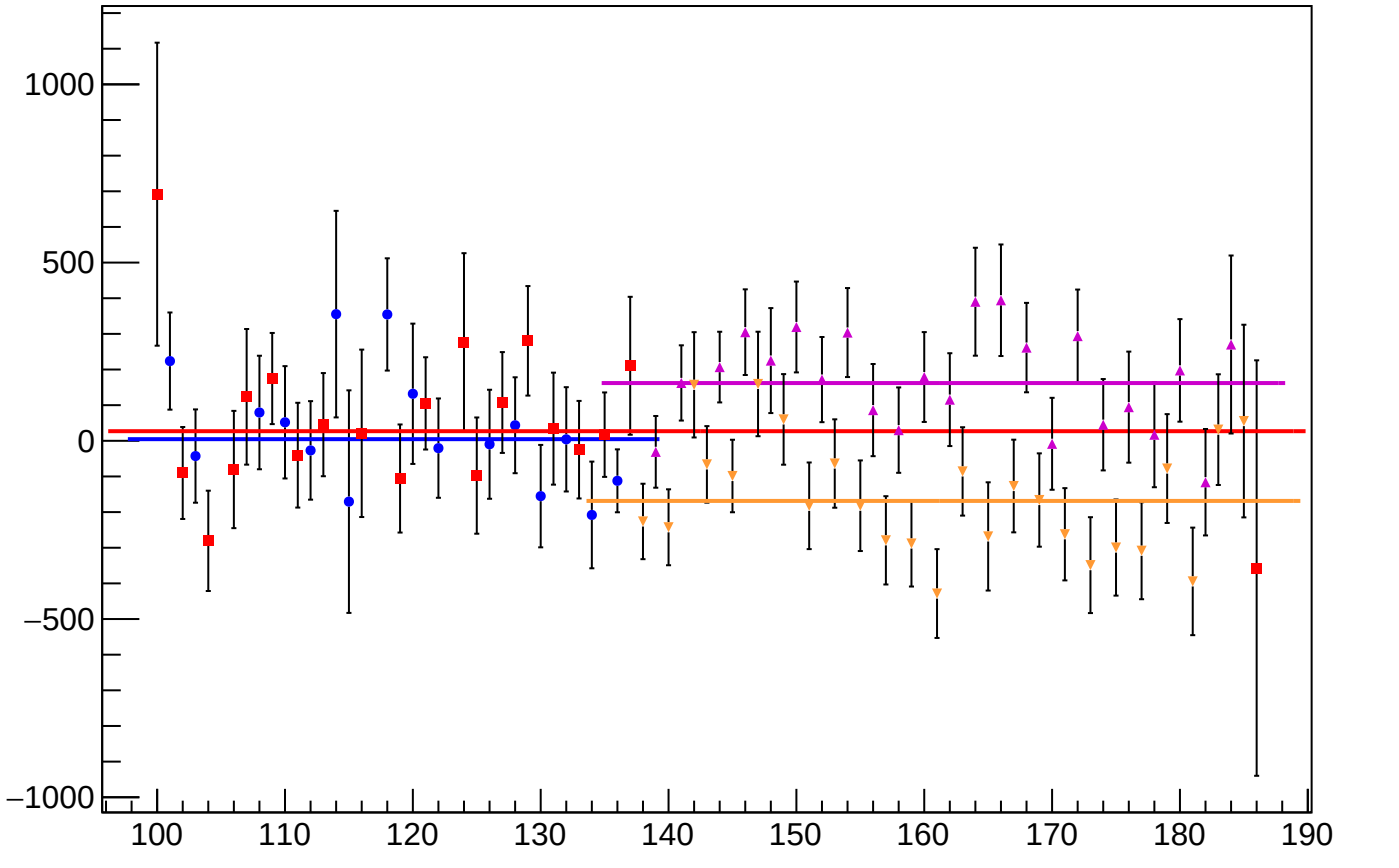
Right Out: 683.748+/-0.181 χ^2/NDF: 1449148.2/19

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 678.844+/-0.094 χ^2/NDF: 1169432.4/40

All: 675.358+/-0.067 χ^2/NDF: 3174170.2/83

- sign 671.830+/-0.095 χ^2/NDF: 2001991.0/42



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 26.986+/-35.399 χ^2/NDF: 17.5/19

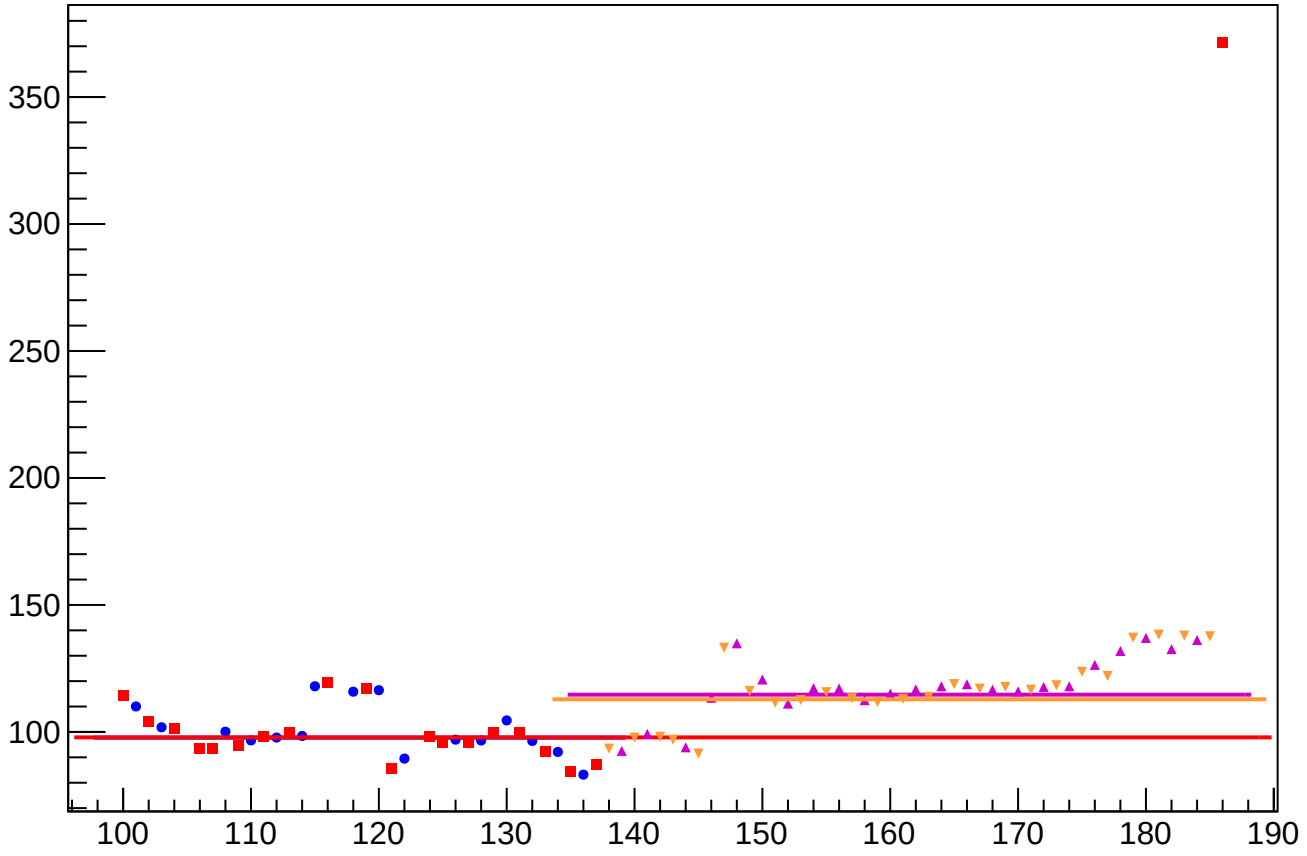
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -110.872+/-21.080 χ^2/NDF: 62.7/40

All: -1.092+/-15.032 χ^2/NDF: 168.2/83

- sign 112.483+/-21.442 χ^2/NDF: 50.3/42

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

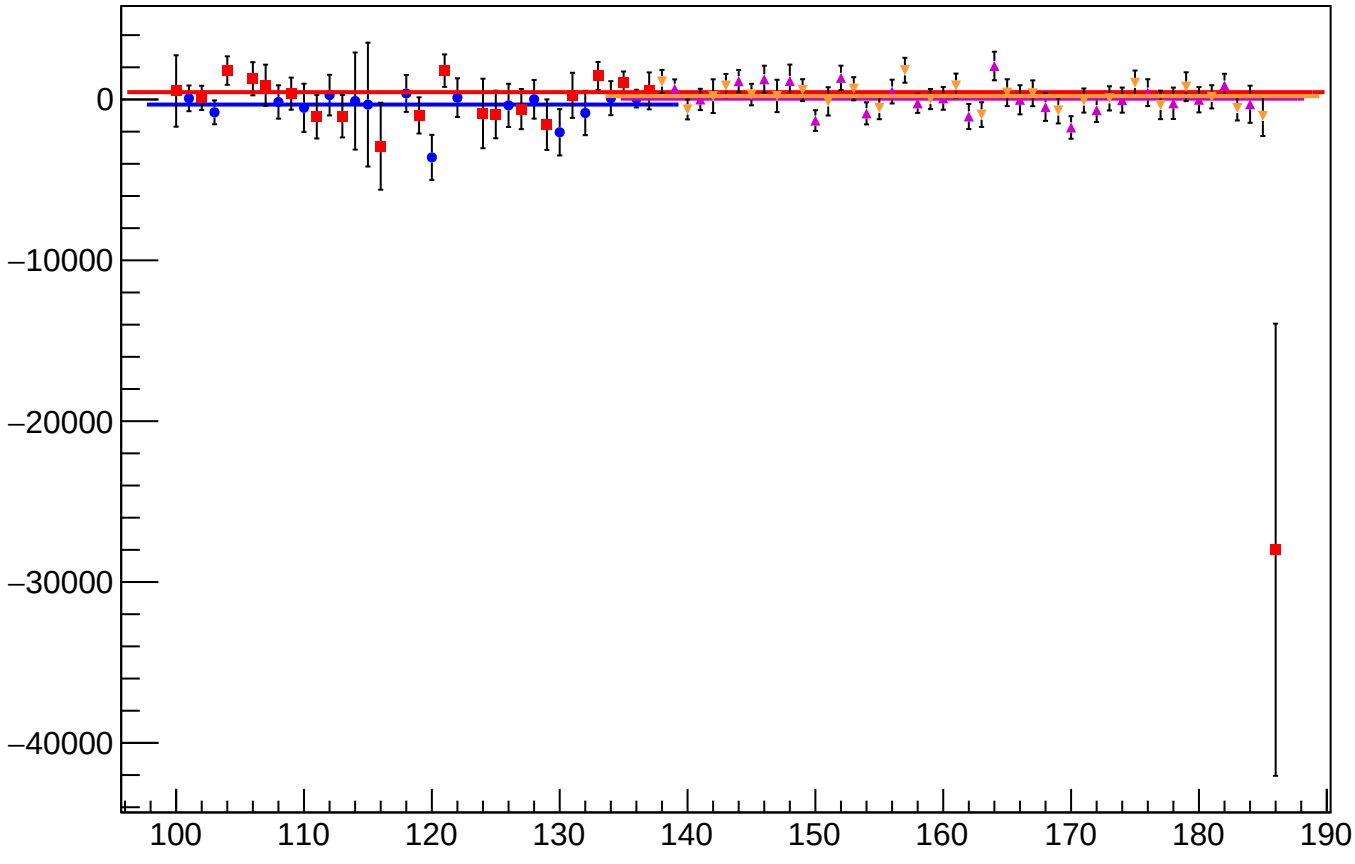
Right Out: 97.852+/-0.025 χ^2/NDF: 557378.9/19

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 107.817+/-0.015 χ^2/NDF: 880786.6/40

All: 108.155+/-0.011 χ^2/NDF: 2135179.9/83

- sign 108.504+/-0.015 χ^2/NDF: 1253349.1/42



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 456.091+/-256.602 χ^2/NDF: 20.6/19

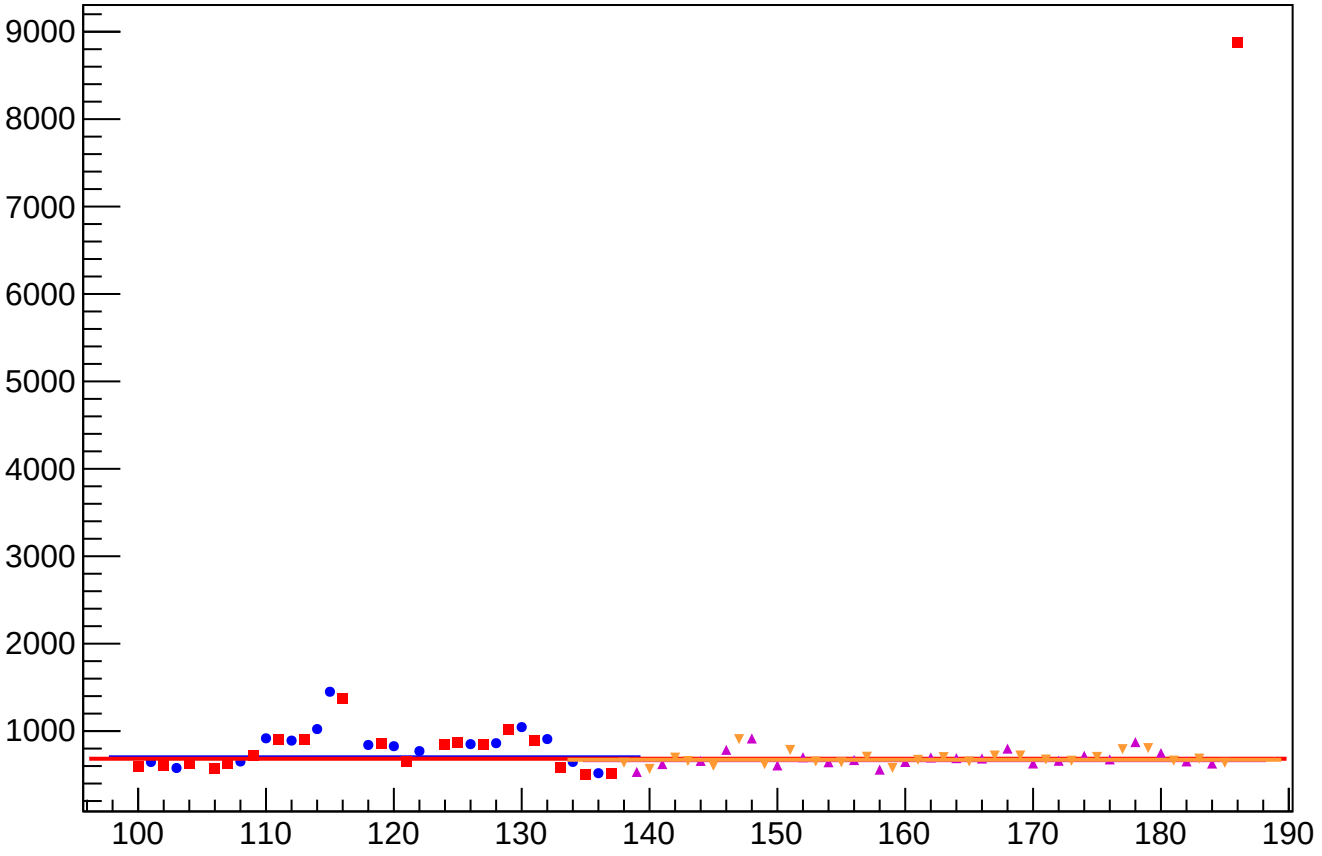
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

\+ sign 78.559+/-133.417 χ^2/NDF: 31.0/40

All: 119.682+/-94.623 χ^2/NDF: 86.8/83

\- sign 161.304+/-134.223 χ^2/NDF: 55.7/42

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 683.747+/-0.181 χ^2/NDF: 1449151.2/19

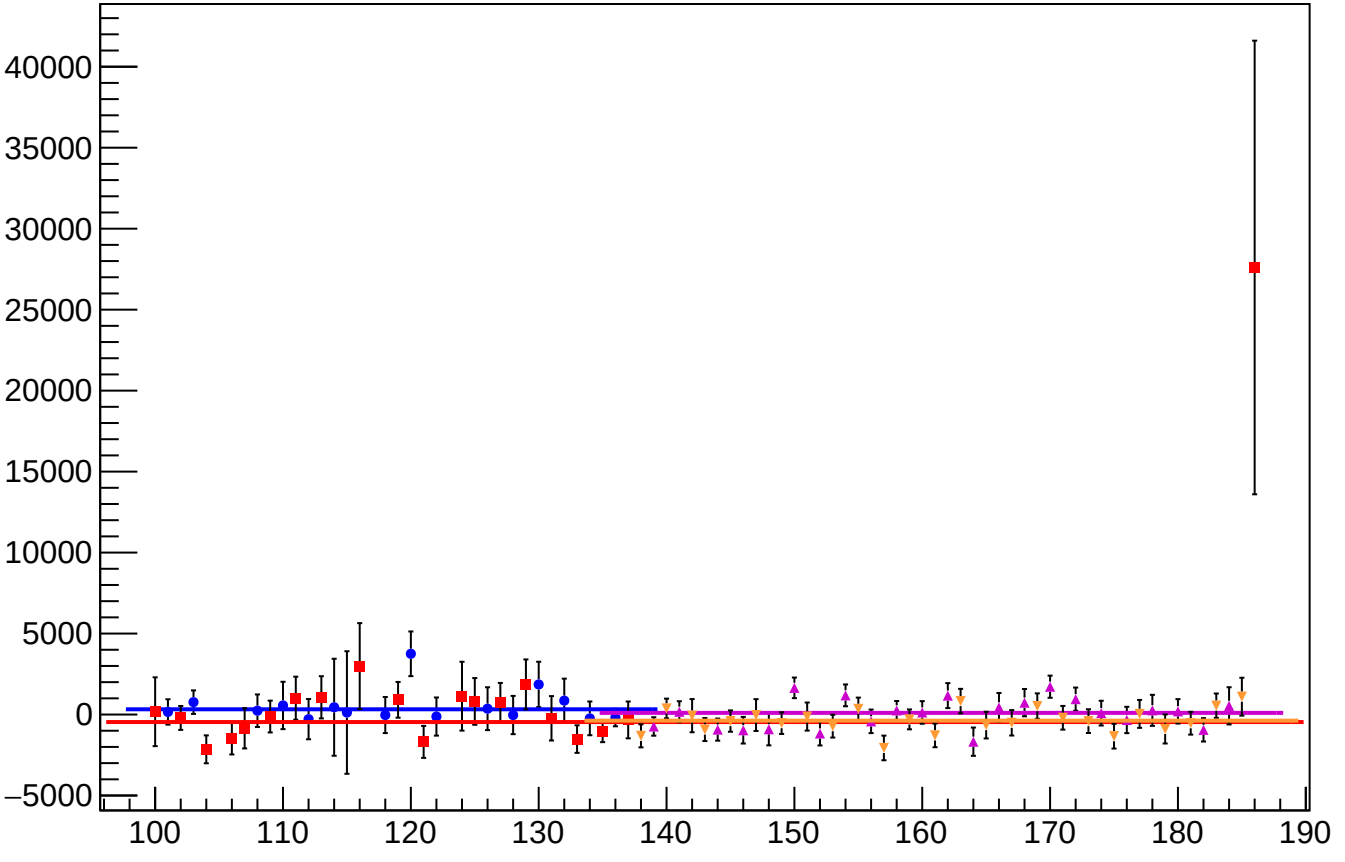
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 678.844+/-0.094 χ^2/NDF: 1169433.2/40

All: 675.358+/-0.067 χ^2/NDF: 3174174.7/83

- sign 671.830+/-0.095 χ^2/NDF: 2001994.6/42

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -464.194+/-251.290 χ^2/NDF: 23.4/19

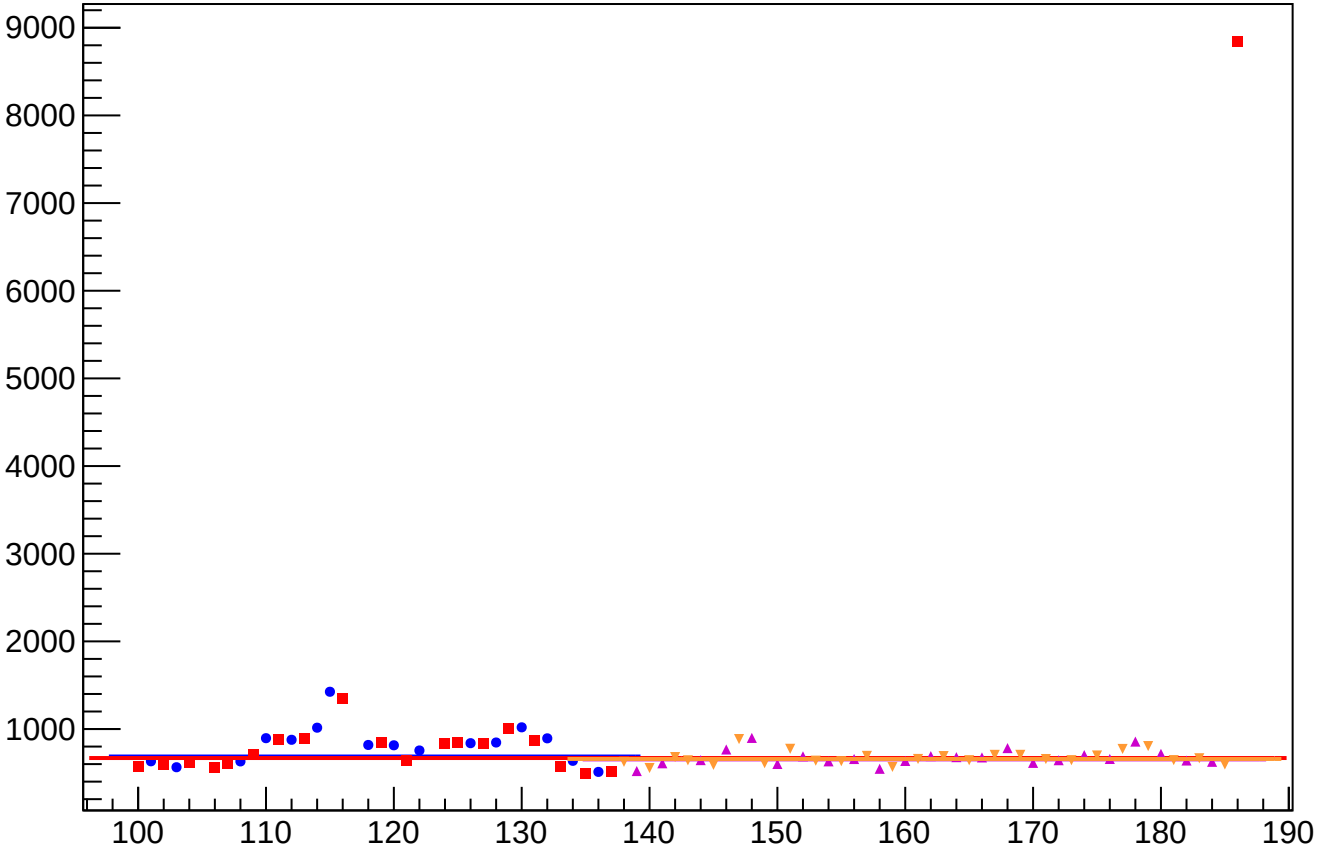
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -202.994+/-130.837 χ^2/NDF: 36.5/40

All: -127.944+/-92.753 χ^2/NDF: 99.8/83

- sign -52.117+/-131.512 χ^2/NDF: 62.7/42

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

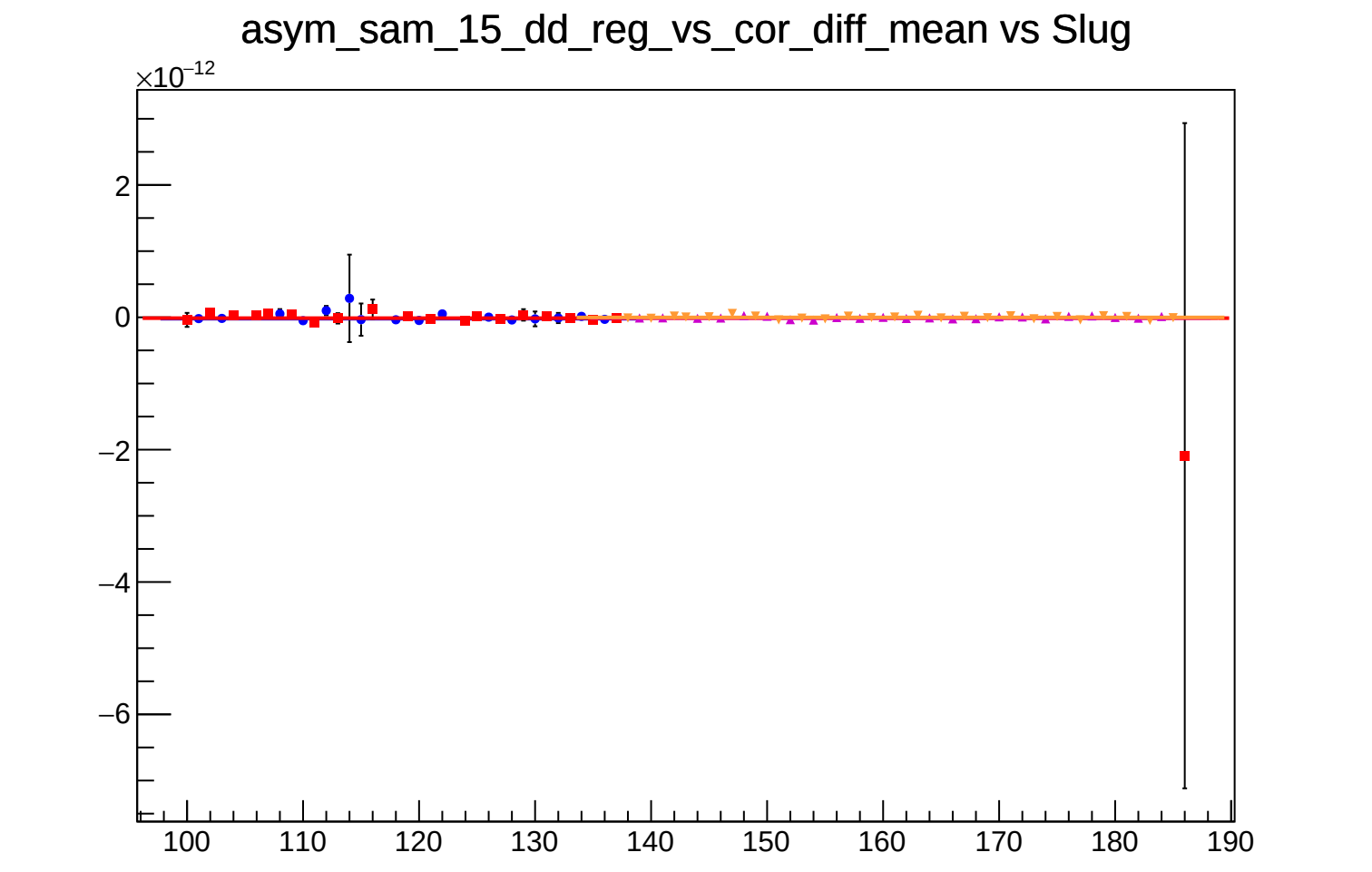
Right Out: 669.267+/-0.178 χ^2/NDF: 1458453.5/19

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 665.568+/-0.093 χ^2/NDF: 1175917.9/40

All: 661.876+/-0.066 χ^2/NDF: 3185046.9/83

- sign 658.145+/-0.093 χ^2/NDF: 2005926.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

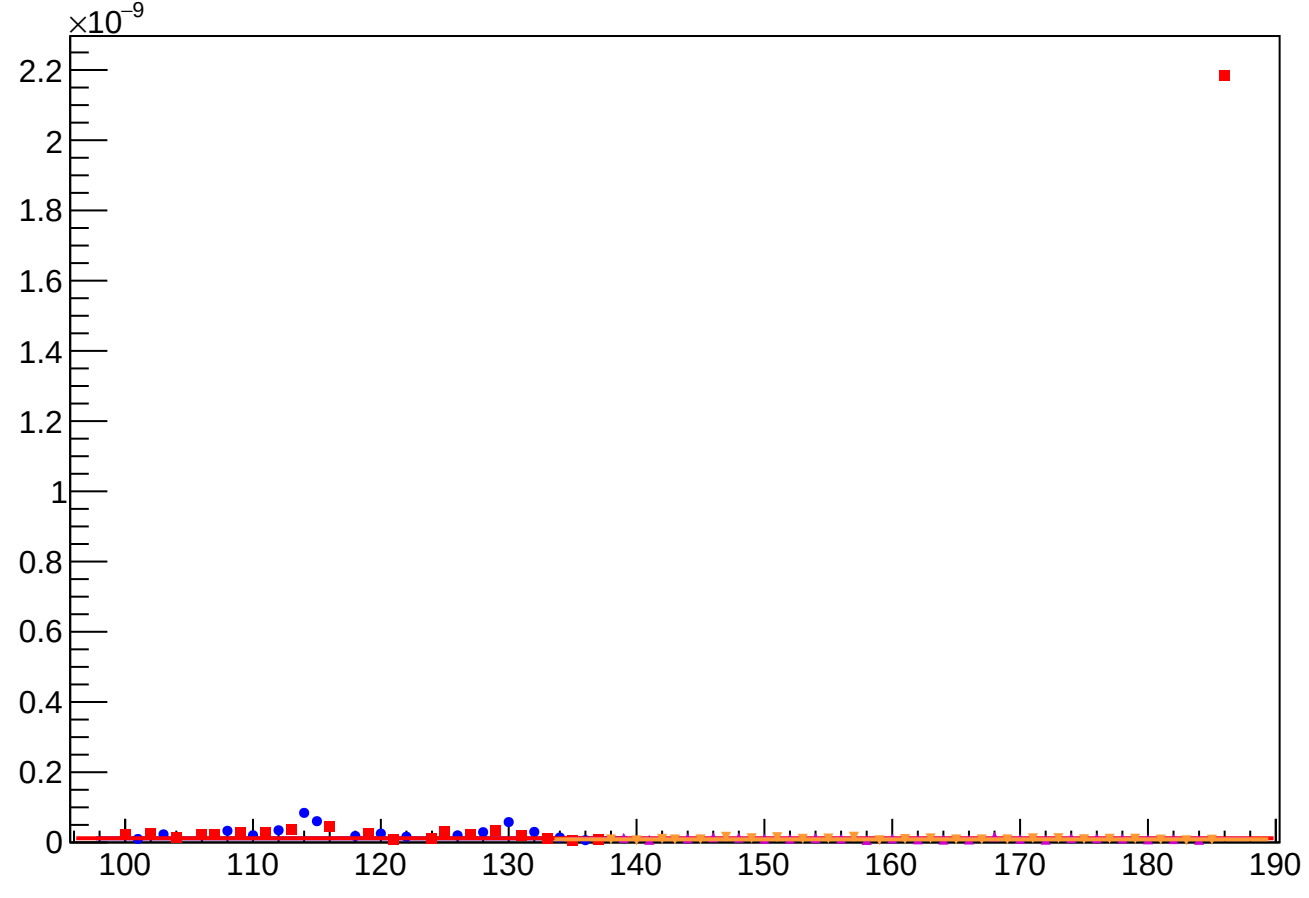
Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/19

Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/40

All: -0.000+/-0.000 χ^2/NDF: 80.4/83

- sign -0.000+/-0.000 χ^2/NDF: 33.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2576001.0/19

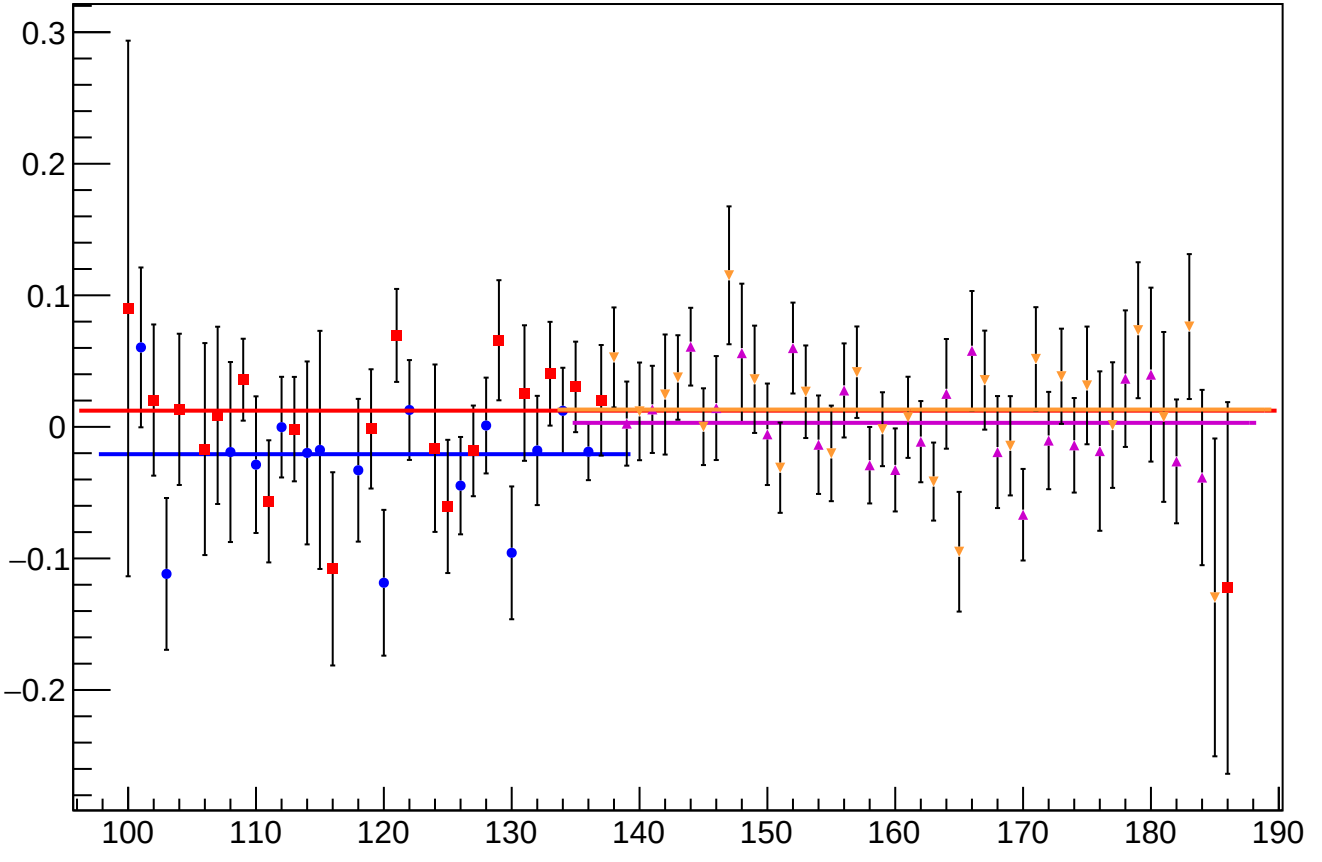
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 3413526.1/40

All: 0.000+/-0.000 χ^2/NDF: 6839697.8/83

- 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+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.012+/-0.011 χ^2/NDF: 14.8/19

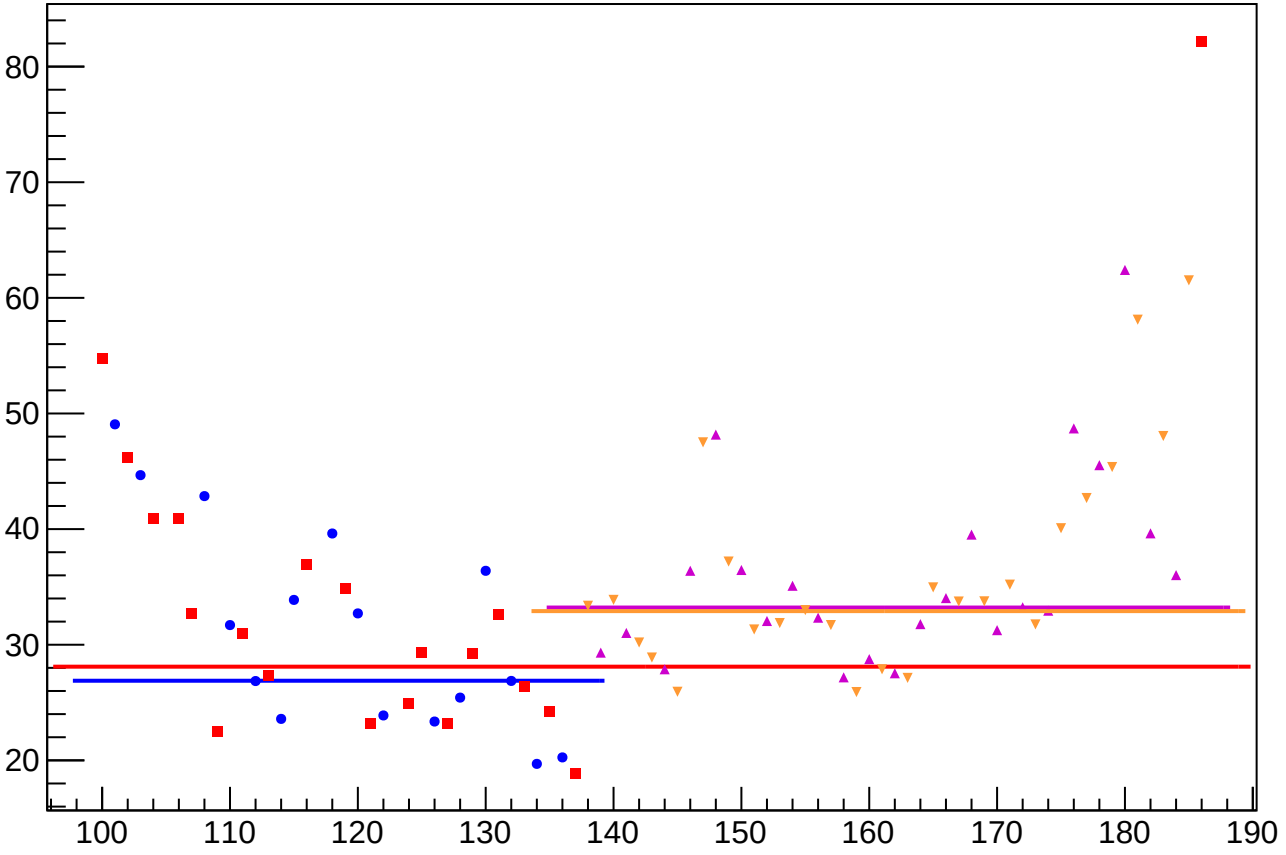
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.001+/-0.006 χ^2/NDF: 44.7/40

All: 0.004+/-0.004 χ^2/NDF: 79.5/83

- sign 0.006+/-0.006 χ^2/NDF: 34.5/42

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

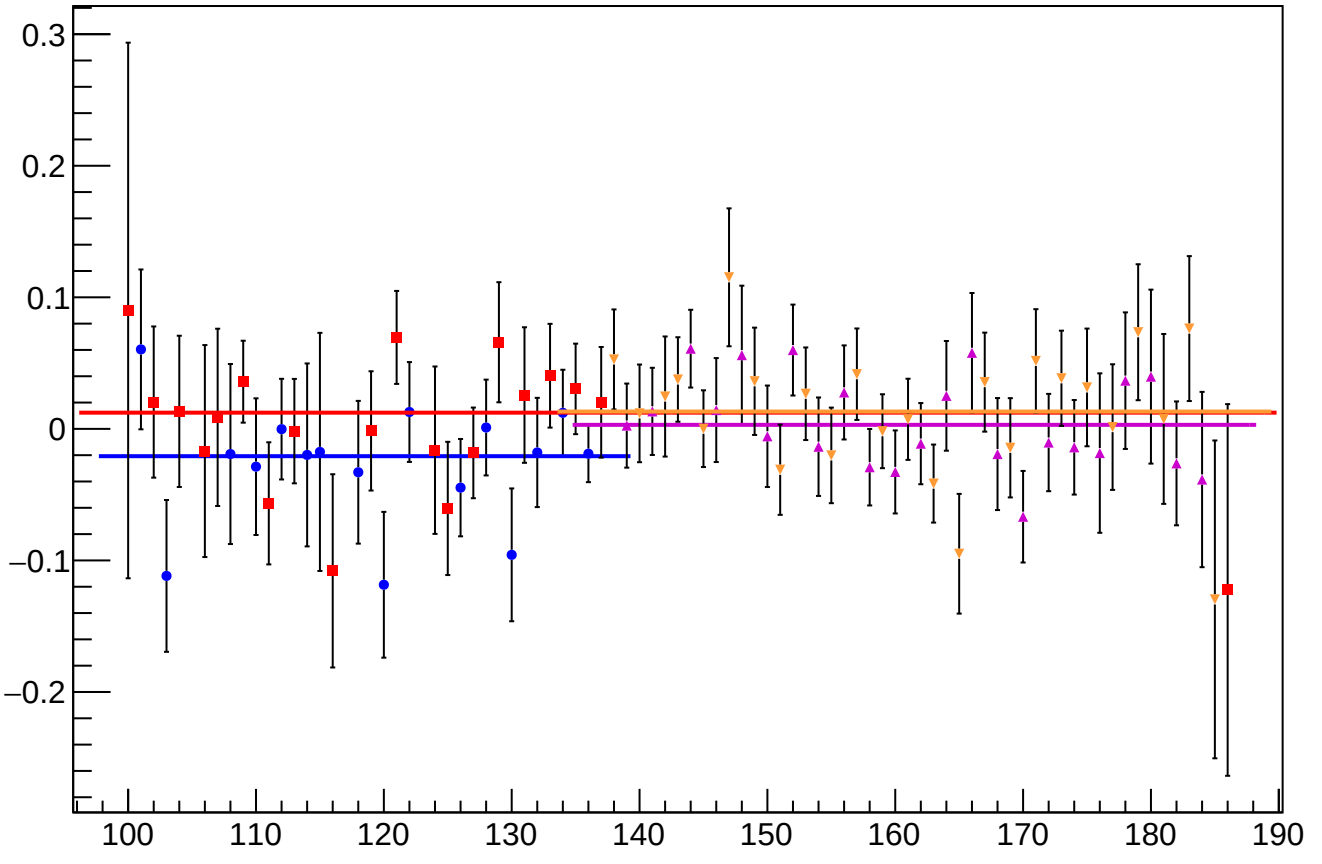
Right Out: 28.103+/-0.007 χ^2/NDF: 1057467.2/19

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 30.811+/-0.004 χ^2/NDF: 2976520.8/40

All: 31.075+/-0.003 χ^2/NDF: 5563584.5/83

- sign 31.352+/-0.004 χ^2/NDF: 2579630.8/42



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

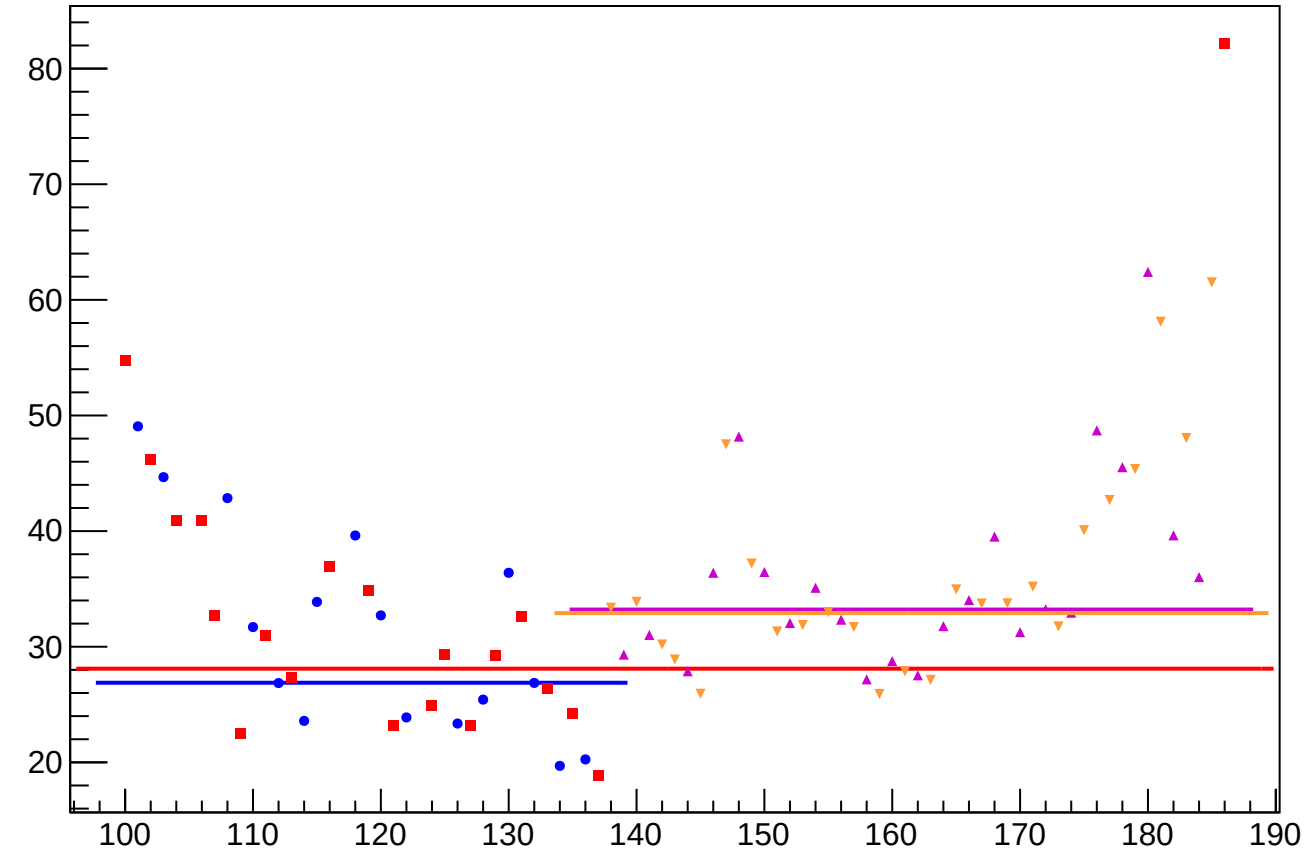
Right Out: 0.012+/-0.011 χ^2/NDF: 14.8/19

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.001+/-0.006 χ^2/NDF: 44.7/40

All: 0.004+/-0.004 χ^2/NDF: 79.5/83

- sign 0.006+/-0.006 χ^2/NDF: 34.5/42



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

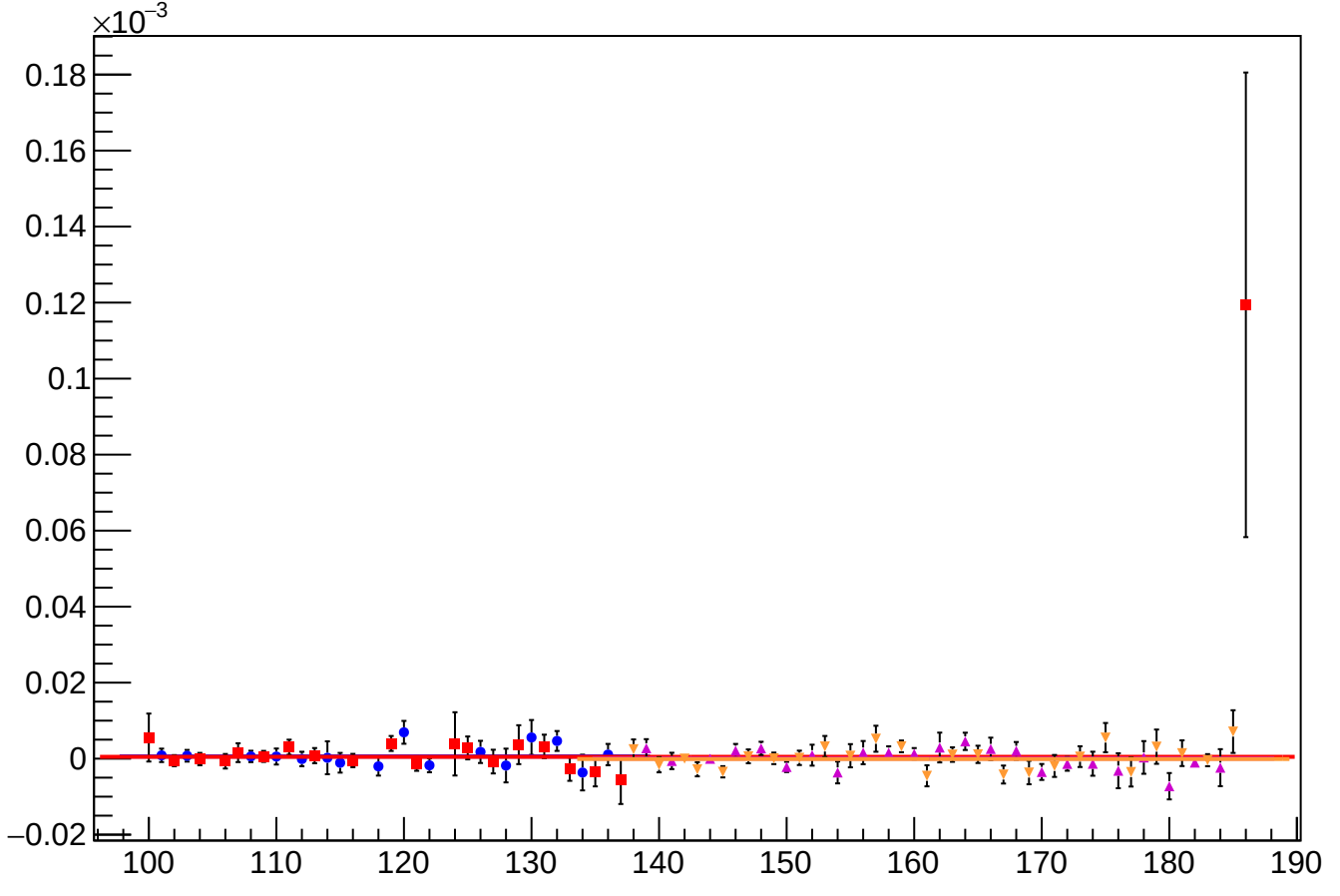
Right Out: 28.103+/-0.007 χ^2/NDF: 1057467.2/19

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 30.811+/-0.004 χ^2/NDF: 2976520.8/40

All: 31.075+/-0.003 χ^2/NDF: 5563584.5/83

- sign 31.352+/-0.004 χ^2/NDF: 2579630.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

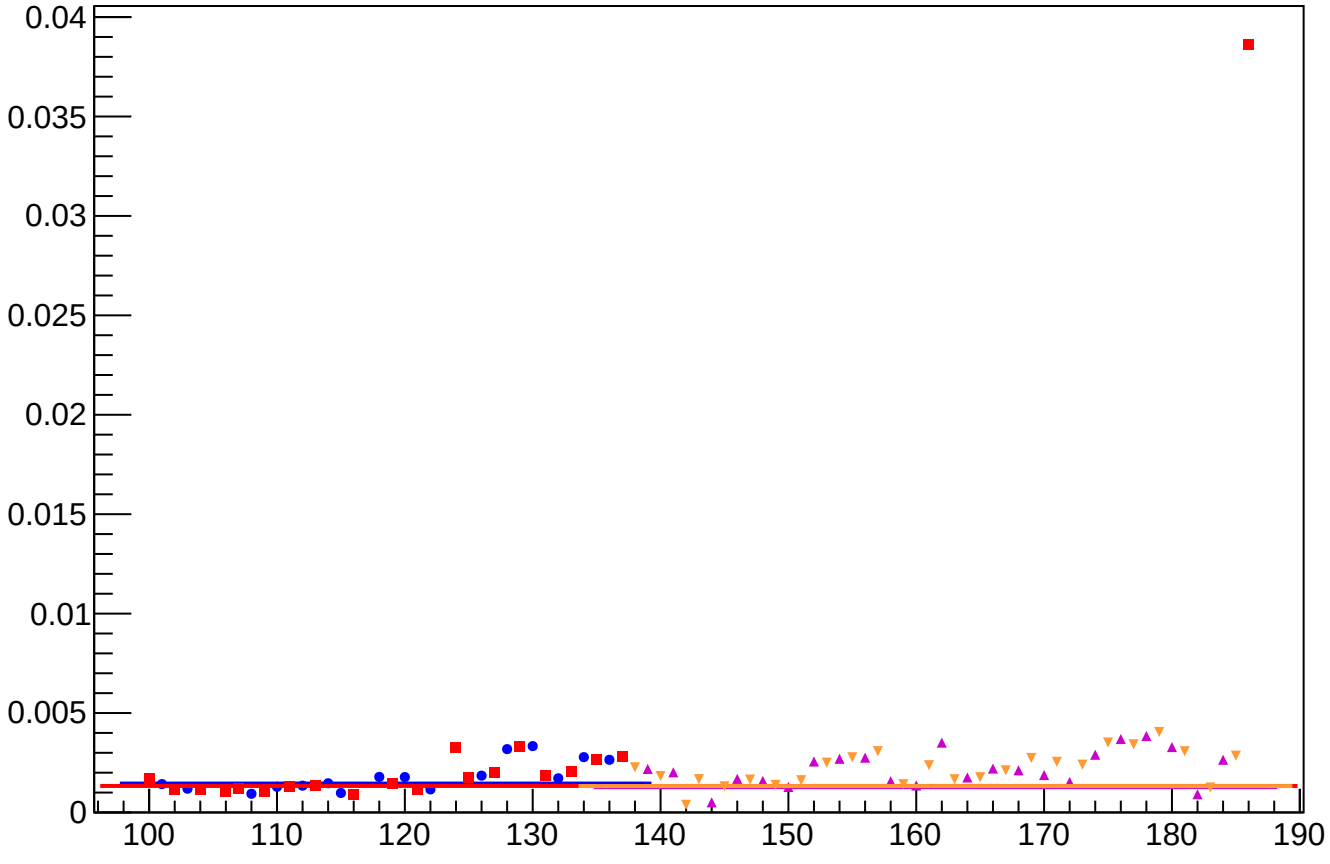
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/19

Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/40

All: 0.000+/-0.000 χ^2/NDF: 89.2/83

- sign 0.000+/-0.000 χ^2/NDF: 44.5/42



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

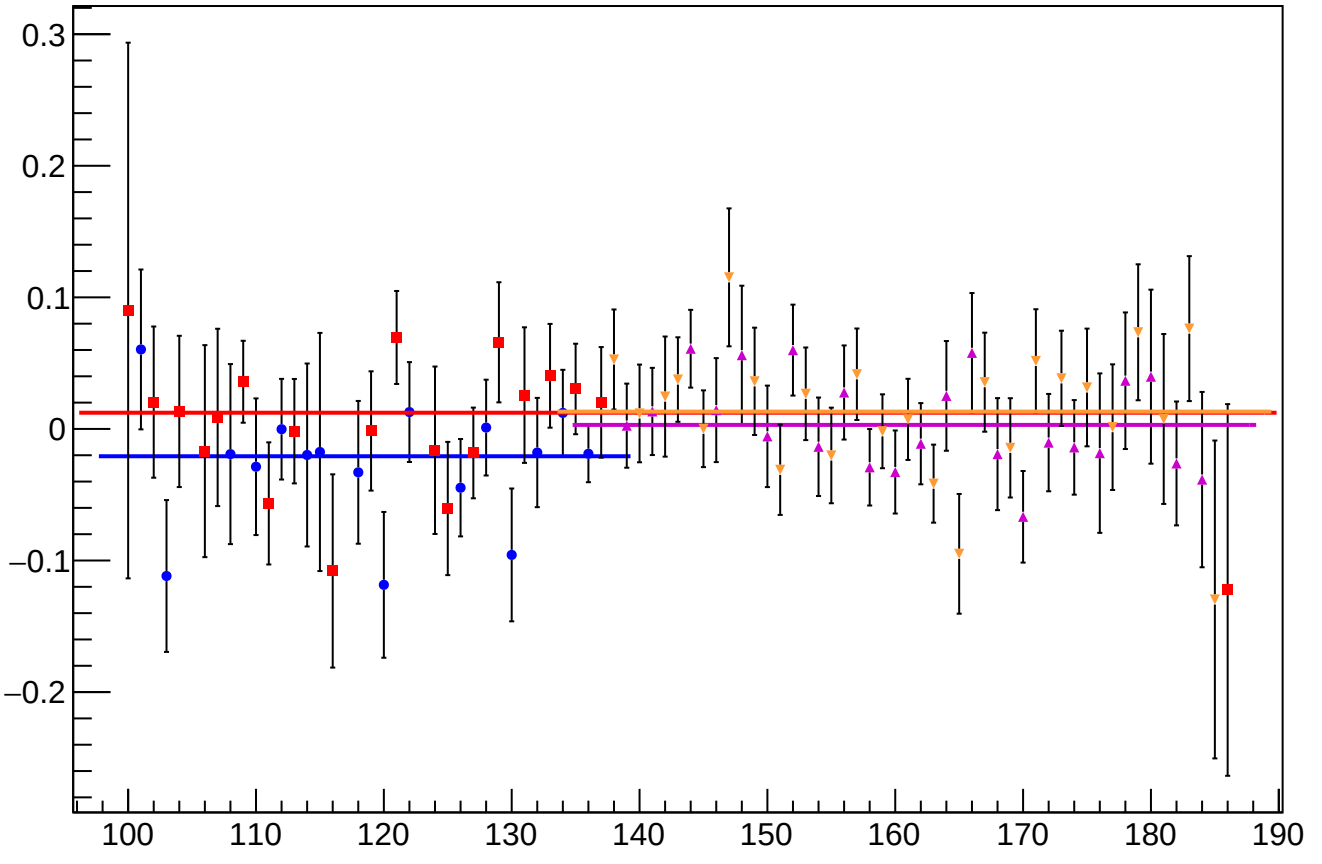
Right Out: 0.001+/-0.000 χ^2/NDF: 2146247.9/19

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 12937982.7/40

All: 0.001+/-0.000 χ^2/NDF: 25034213.4/83

- sign 0.001+/-0.000 χ^2/NDF: 12042363.5/42



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

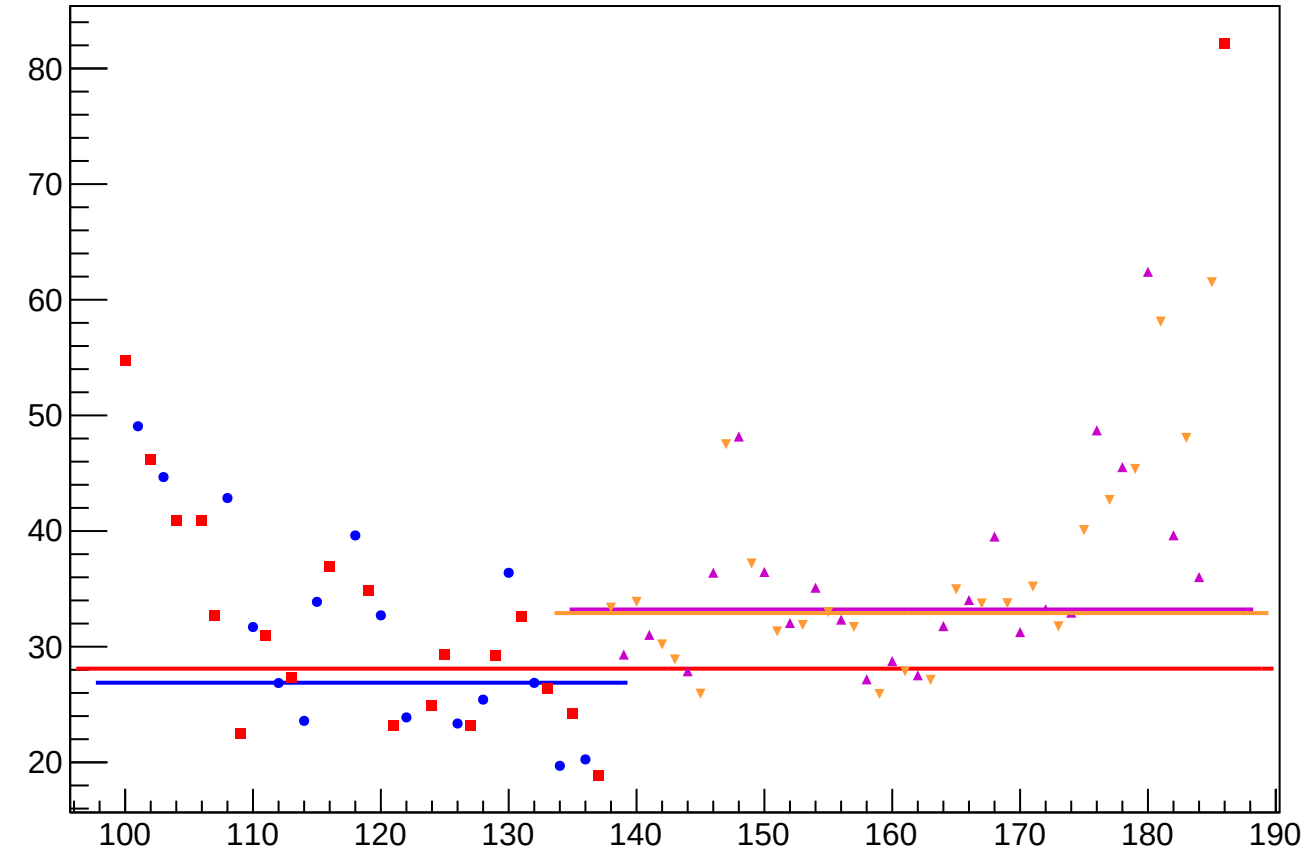
Right Out: 0.012+/-0.011 χ^2/NDF: 14.8/19

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.001+/-0.006 χ^2/NDF: 44.7/40

All: 0.004+/-0.004 χ^2/NDF: 79.5/83

- sign 0.006+/-0.006 χ^2/NDF: 34.5/42



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

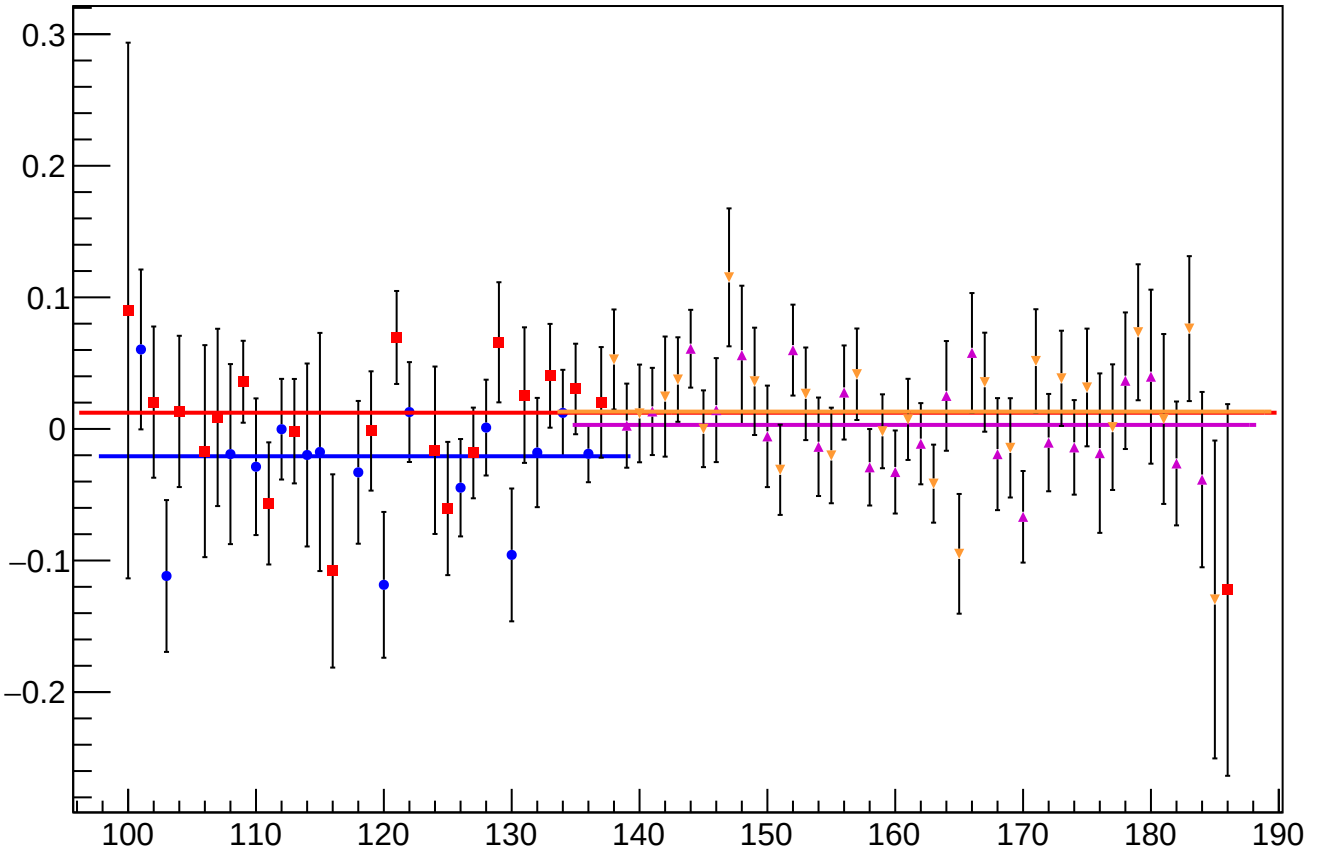
Right Out: 28.101+/-0.007 χ^2/NDF: 1057530.6/19

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 30.811+/-0.004 χ^2/NDF: 2976732.2/40

All: 31.075+/-0.003 χ^2/NDF: 5564104.1/83

- sign 31.352+/-0.004 χ^2/NDF: 2579943.1/42



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

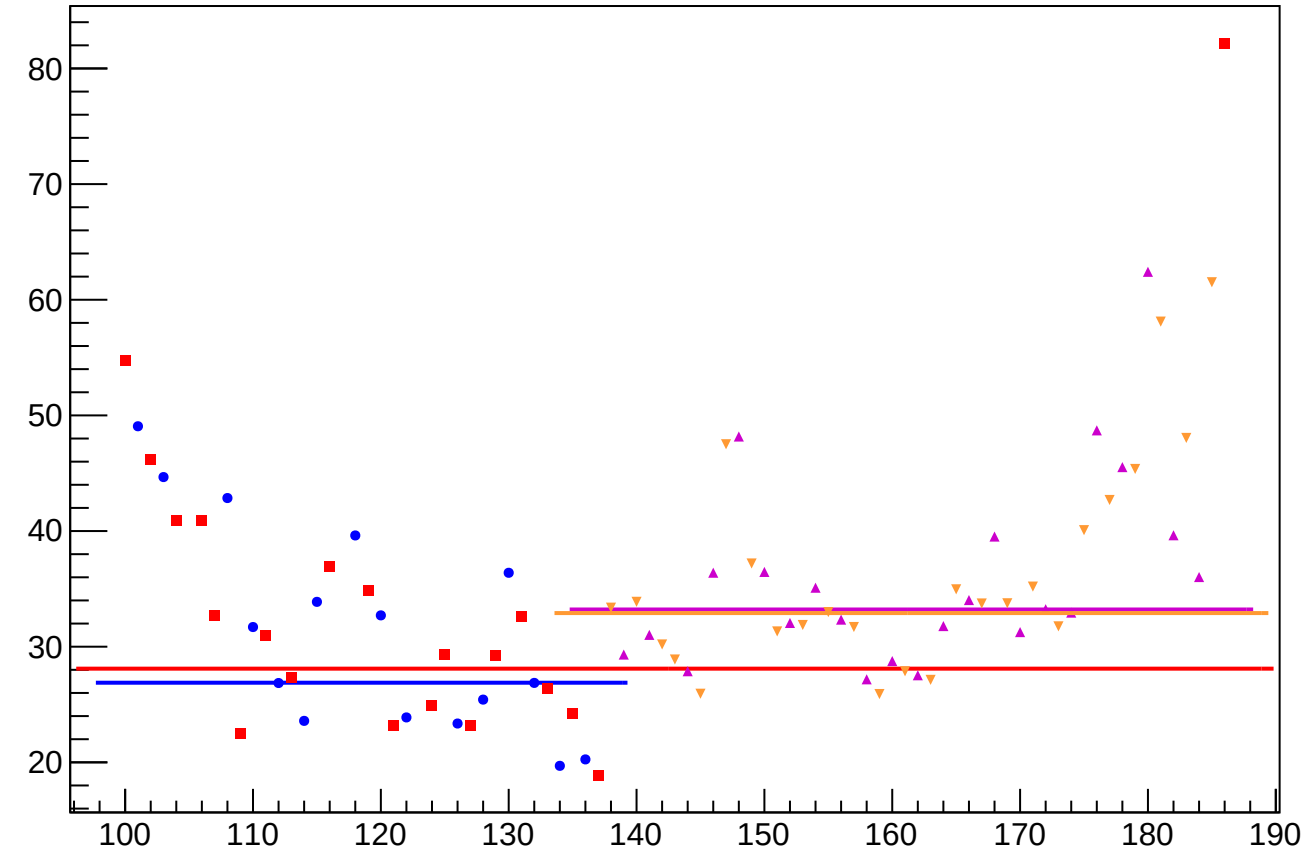
Right Out: 0.012+/-0.011 χ^2/NDF: 14.8/19

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.001+/-0.006 χ^2/NDF: 44.7/40

All: 0.004+/-0.004 χ^2/NDF: 79.5/83

- sign 0.006+/-0.006 χ^2/NDF: 34.5/42



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

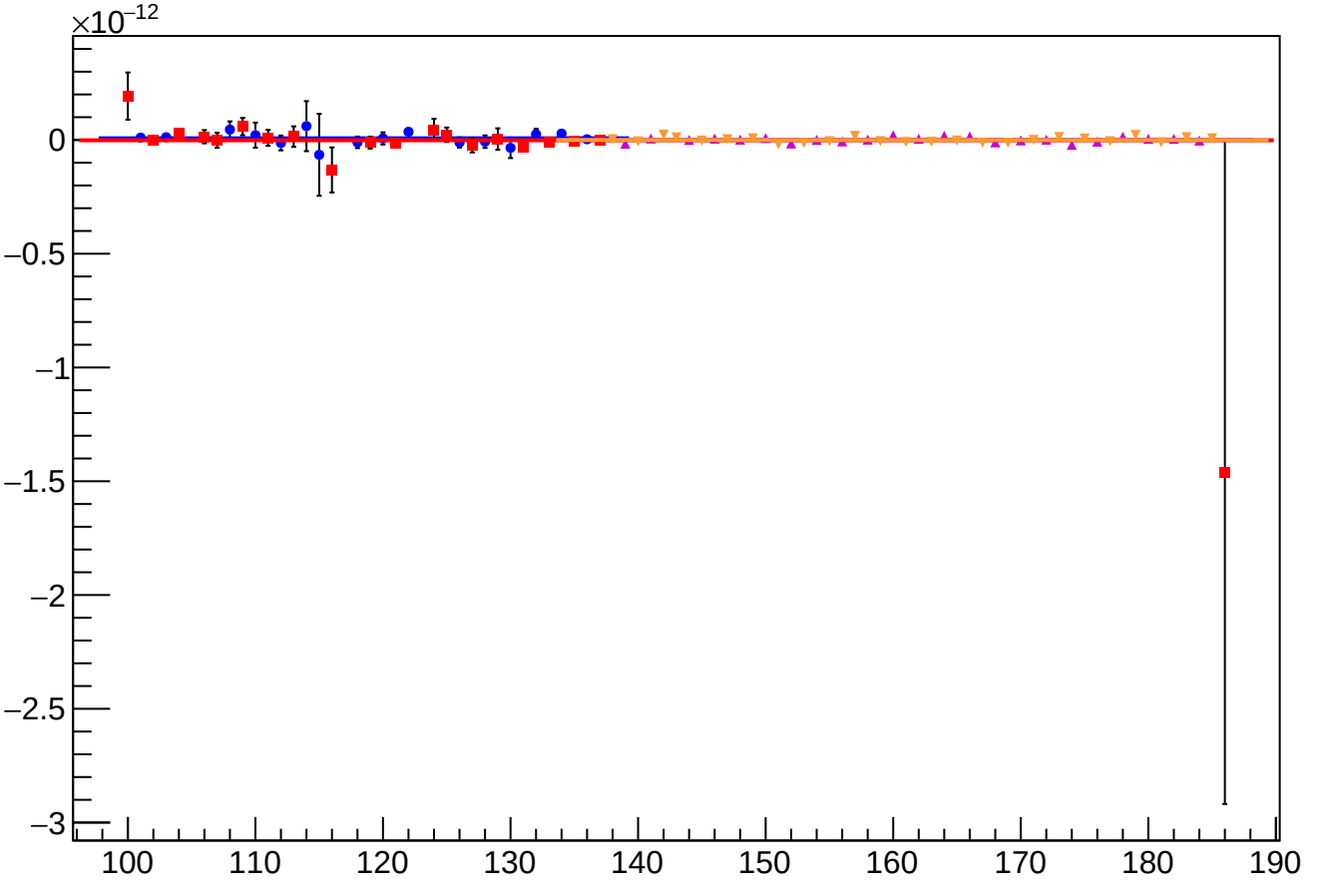
Right Out: 28.101+/-0.007 χ^2/NDF: 1057530.6/19

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 30.811+/-0.004 χ^2/NDF: 2976732.2/40

All: 31.075+/-0.003 χ^2/NDF: 5564104.1/83

- sign 31.352+/-0.004 χ^2/NDF: 2579943.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

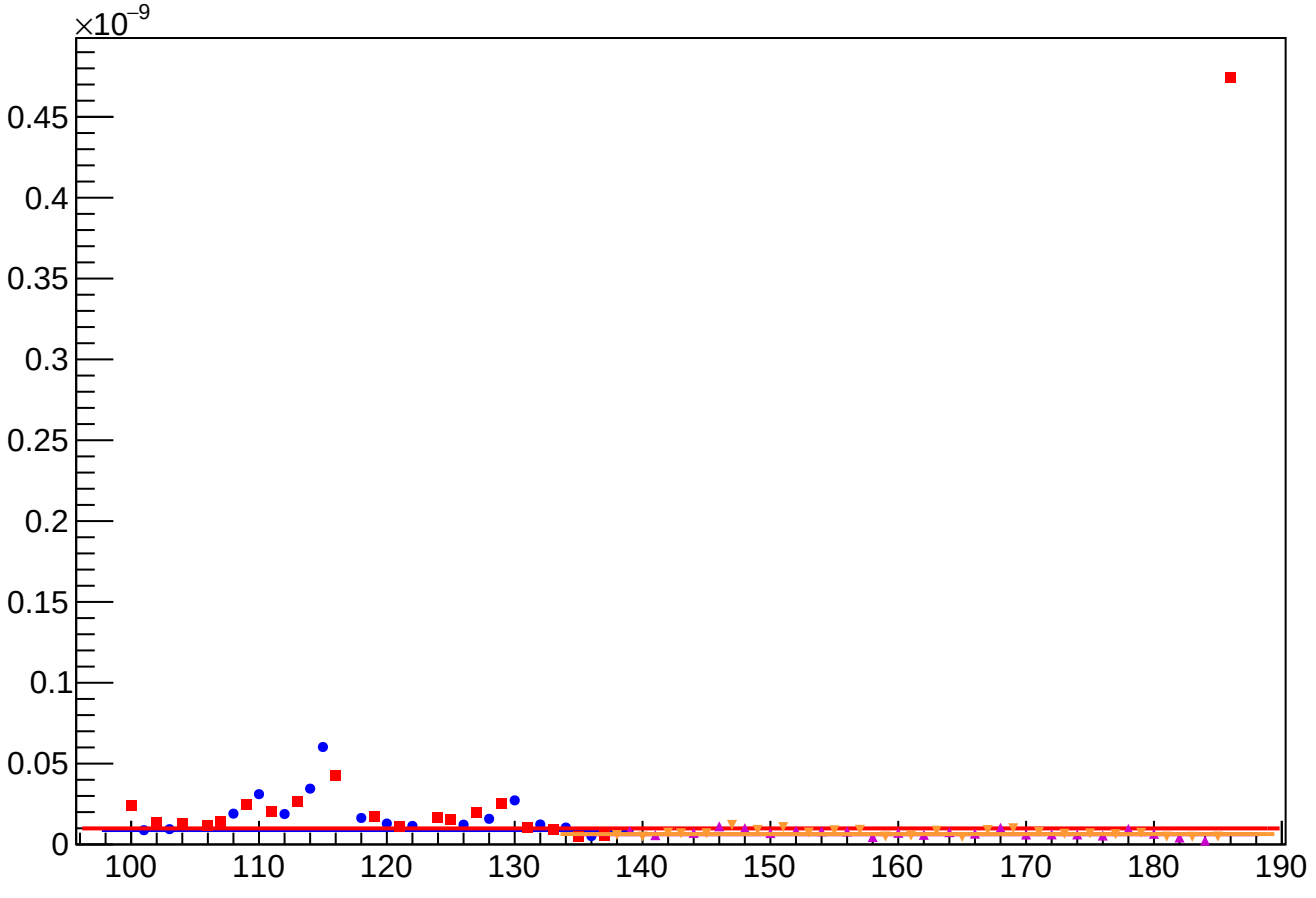
Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/19

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.6/40

All: 0.000+/-0.000 χ^2/NDF: 83.4/83

- sign 0.000+/-0.000 χ^2/NDF: 41.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2872553.8/19

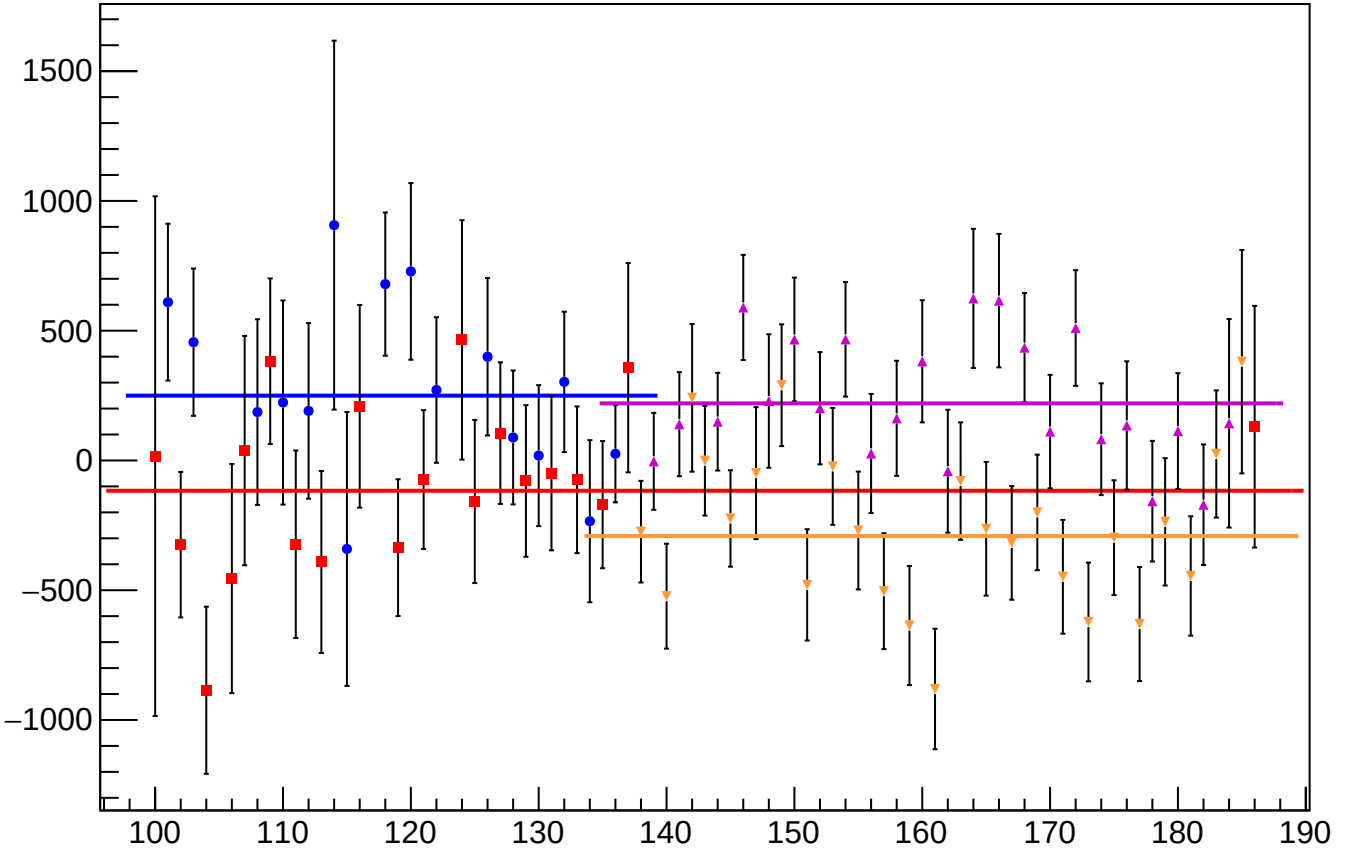
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 4799722.5/40

All: 0.000+/-0.000 χ^2/NDF: 10734865.9/83

- sign 0.000+/-0.000 χ^2/NDF: 5935136.2/42

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -116.699+/-73.439 χ^2/NDF: 15.8/19

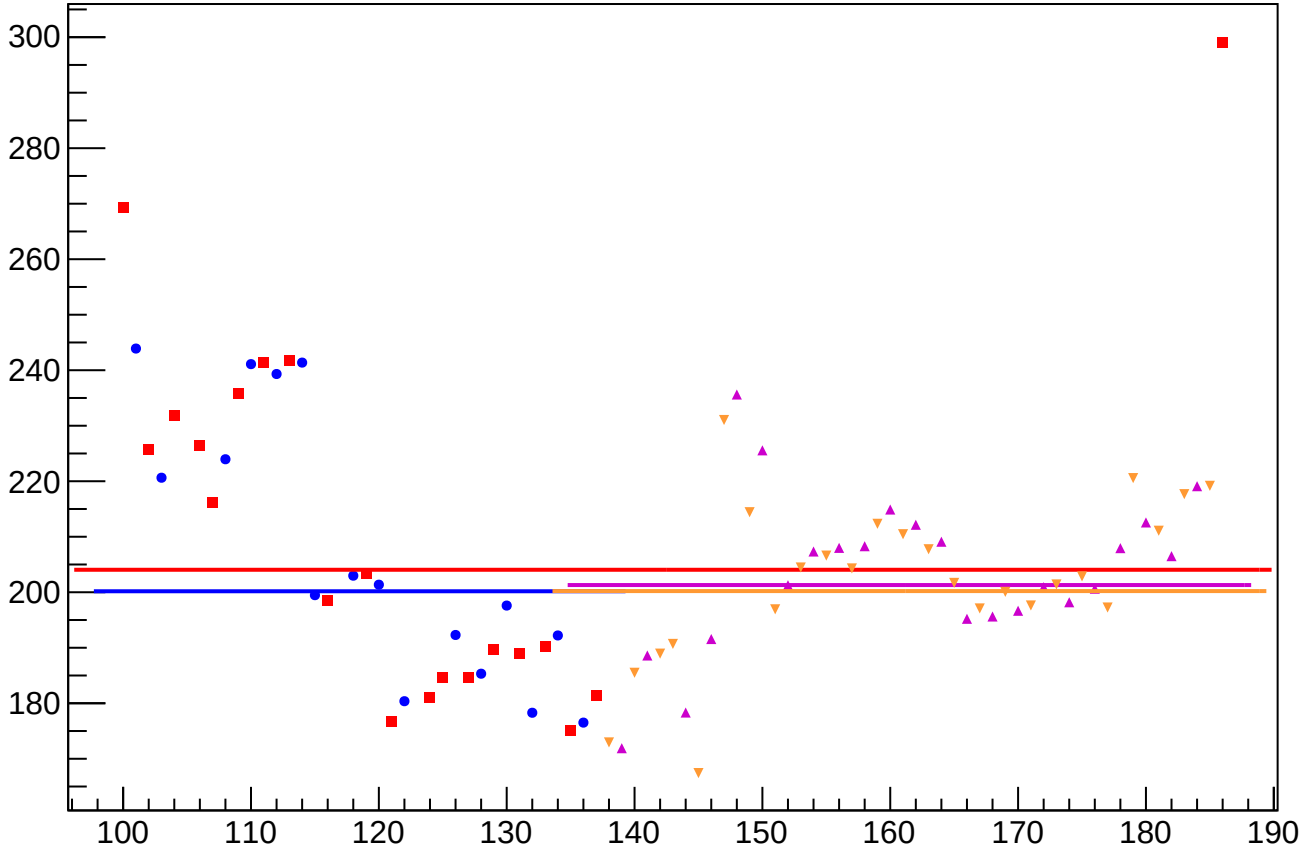
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -144.866+/-38.955 χ^2/NDF: 88.2/40

All: -14.012+/-27.796 χ^2/NDF: 165.7/83

- sign 121.717+/-39.674 χ^2/NDF: 54.5/42

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

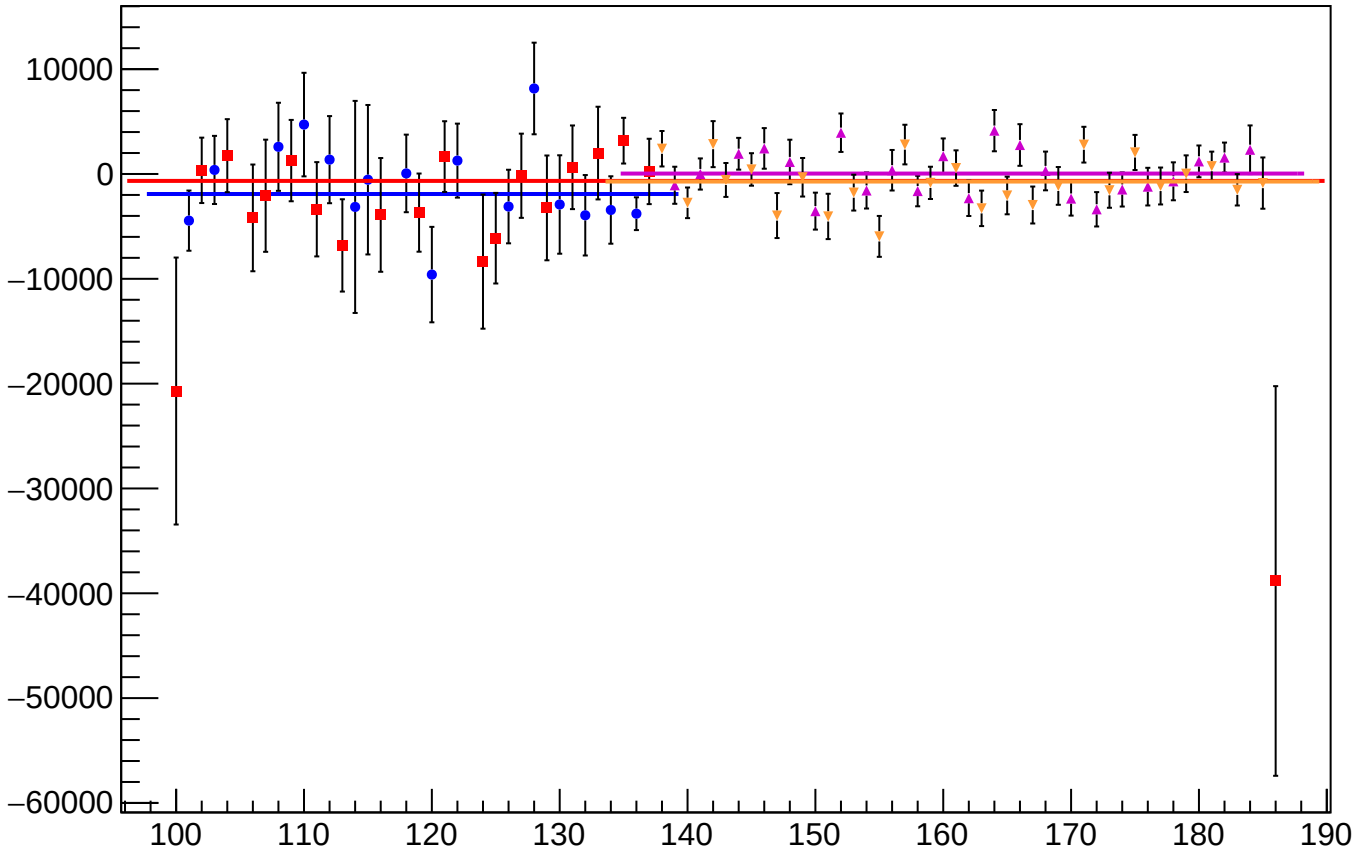
Right Out: 204.050+/-0.052 χ^2/NDF: 282597.3/19

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 200.201+/-0.028 χ^2/NDF: 385395.6/40

All: 201.133+/-0.020 χ^2/NDF: 853964.4/83

- sign 202.101+/-0.028 χ^2/NDF: 466233.9/42



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -660.534+/-899.397 χ^2/NDF: 18.9/19

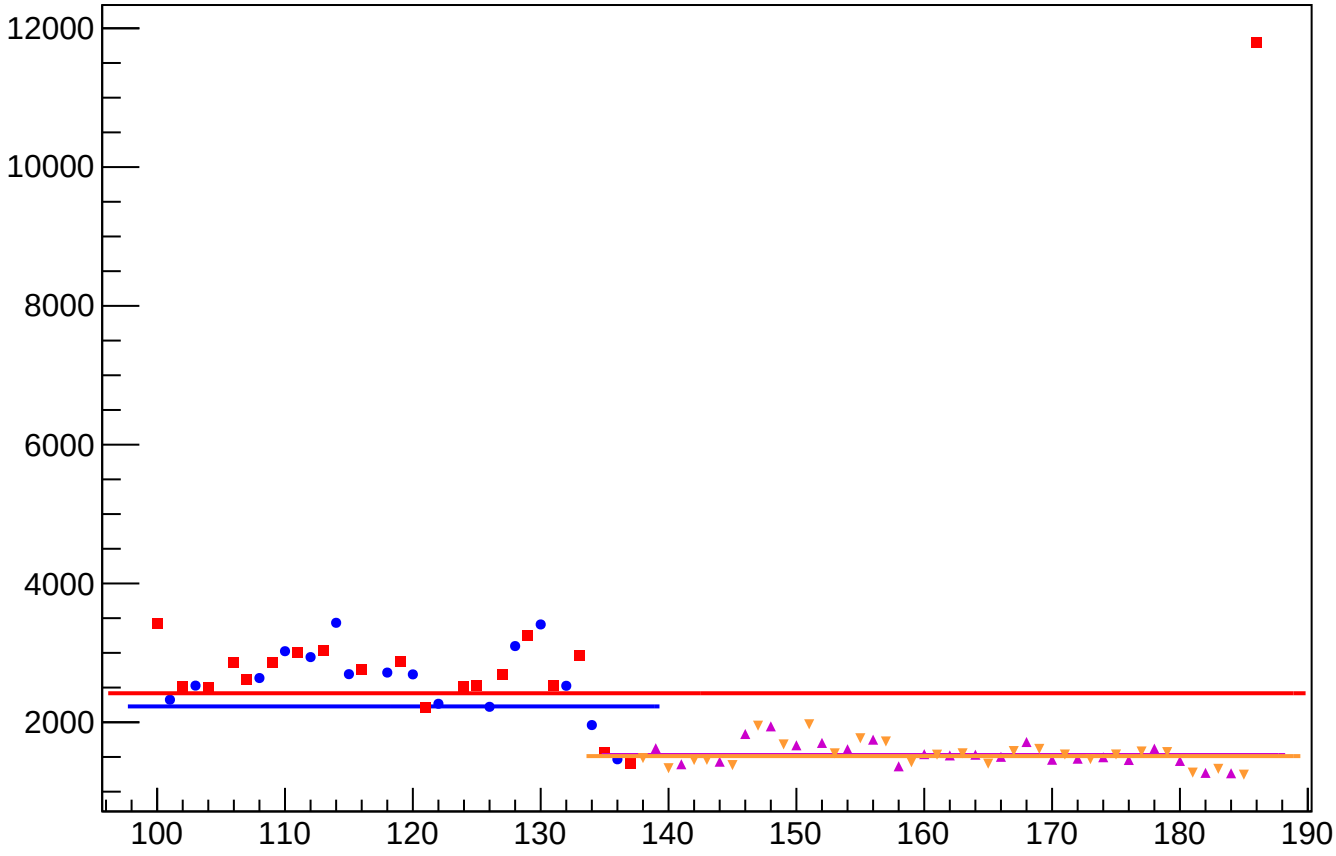
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

\+ sign -887.050+/-321.247 χ^2/NDF: 56.2/40

All: -487.727+/-231.411 χ^2/NDF: 113.2/83

\- sign -57.020+/-333.632 χ^2/NDF: 53.8/42

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2418.088+/-0.636 χ^2/NDF: 1309632.0/19

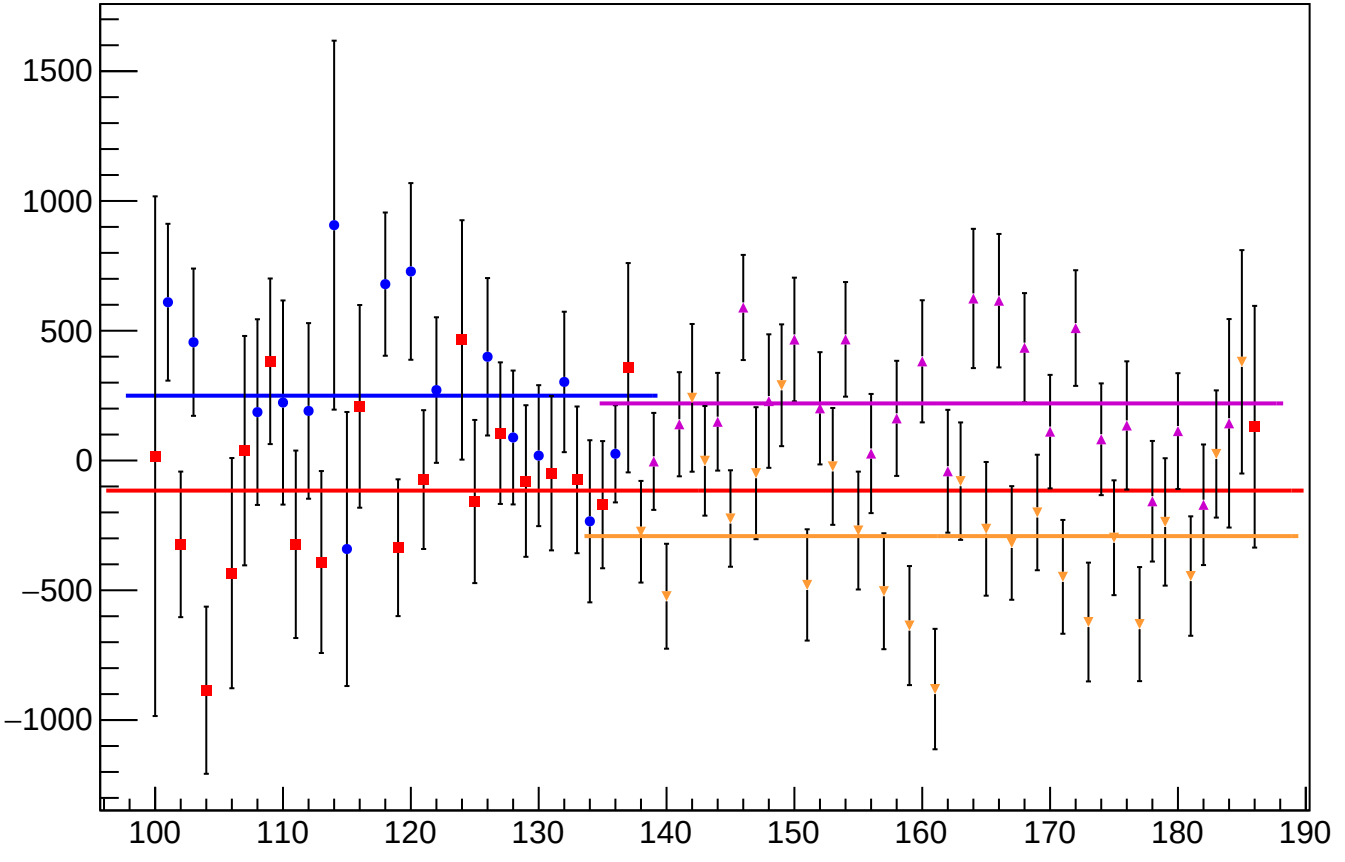
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1612.493+/-0.227 χ^2/NDF: 2585427.2/40

All: 1630.754+/-0.164 χ^2/NDF: 5971747.0/83

- sign 1650.450+/-0.236 χ^2/NDF: 3372887.4/42

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -115.932+/-73.449 χ^2/NDF: 15.8/19

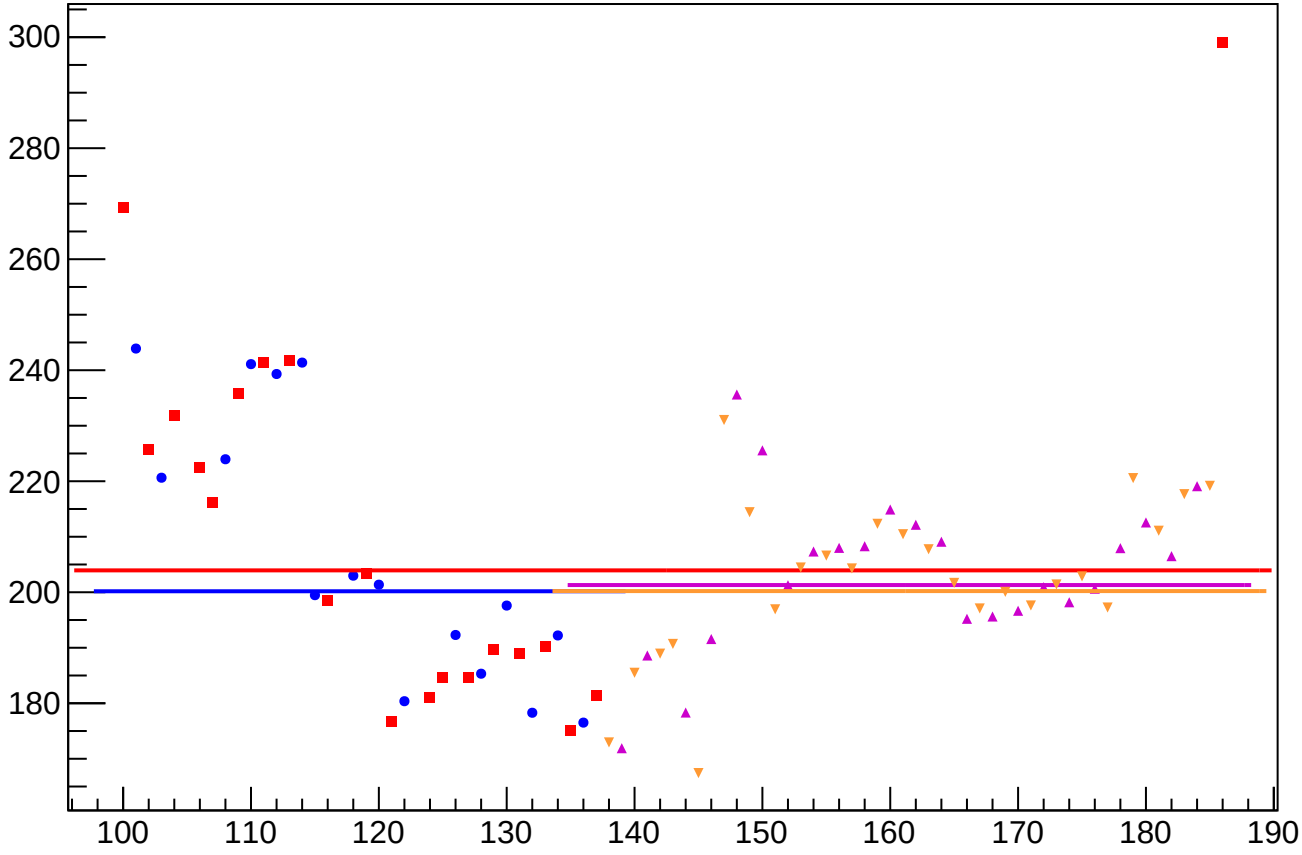
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -144.867+/-38.955 χ^2/NDF: 88.2/40

All: -13.896+/-27.797 χ^2/NDF: 165.5/83

- sign 121.966+/-39.676 χ^2/NDF: 54.3/42

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

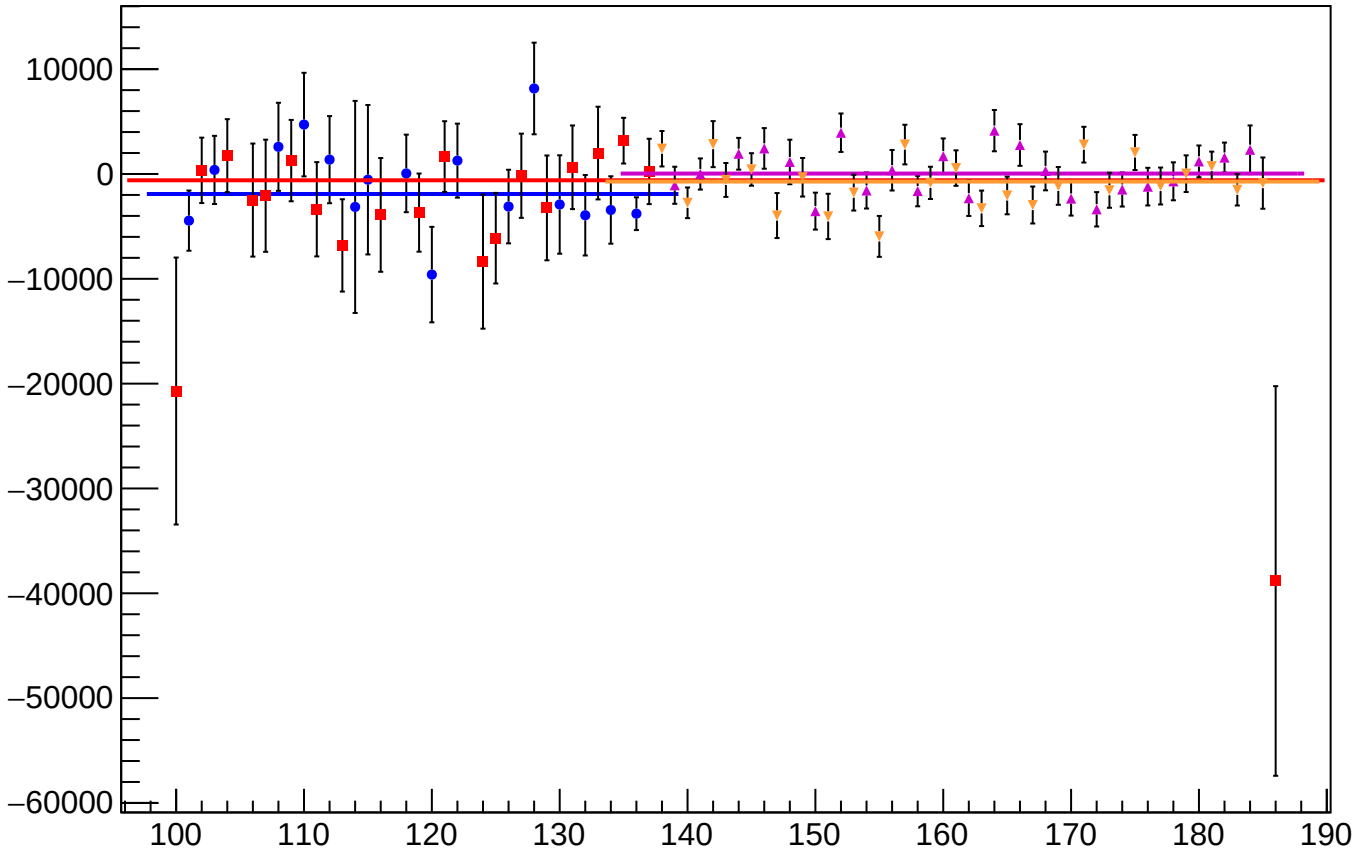
Right Out: 203.941+/-0.052 χ^2/NDF: 280980.0/19

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 200.201+/-0.028 χ^2/NDF: 385395.9/40

All: 201.118+/-0.020 χ^2/NDF: 852113.9/83

\- sign 202.069+/-0.028 χ^2/NDF: 464461.3/42



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -601.315+/-900.954 χ^2/NDF: 18.5/19

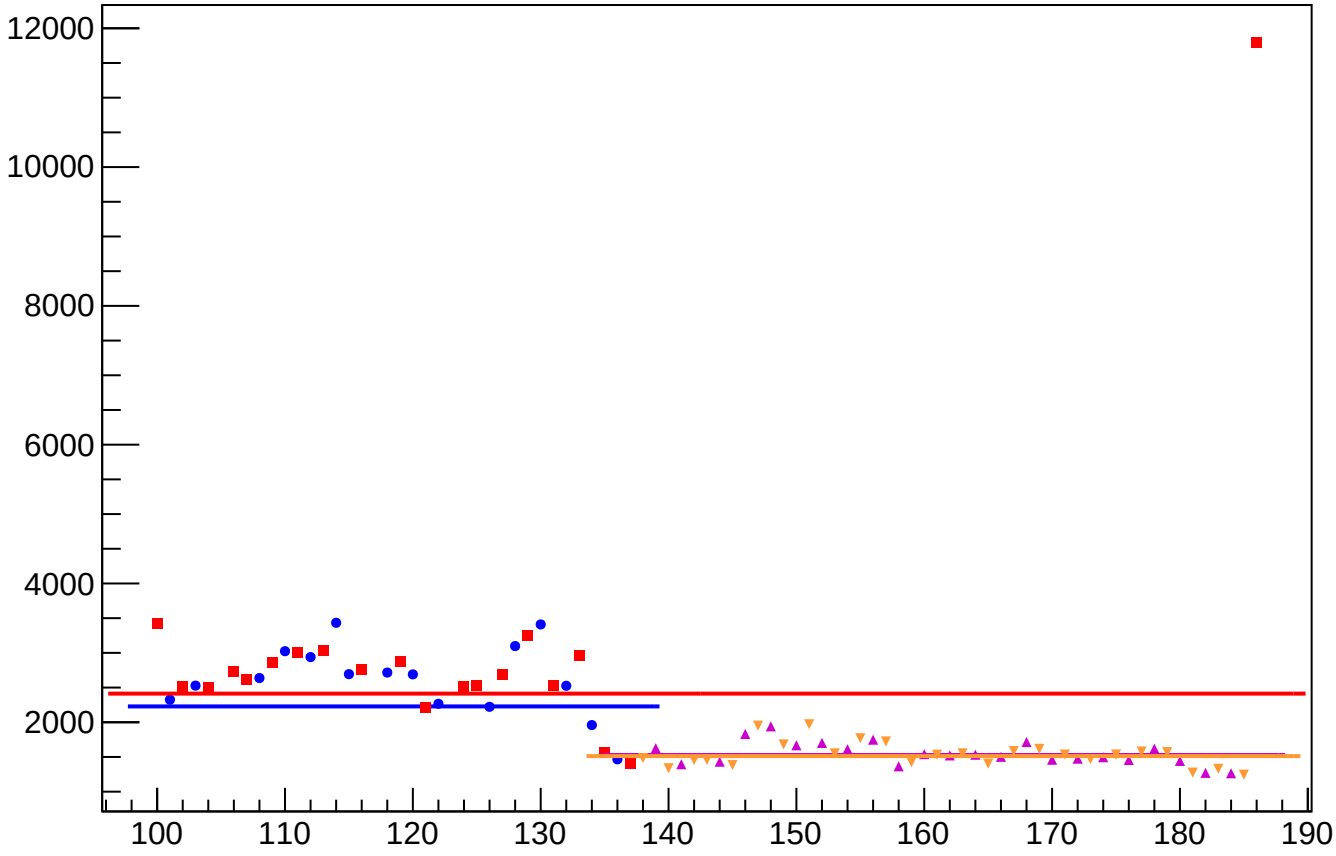
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

\+ sign -887.048+/-321.247 χ^2/NDF: 56.2/40

All: -483.780+/-231.437 χ^2/NDF: 112.8/83

\- sign -48.611+/-333.712 χ^2/NDF: 53.3/42

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2412.828+/-0.637 χ^2/NDF: 1300770.7/19

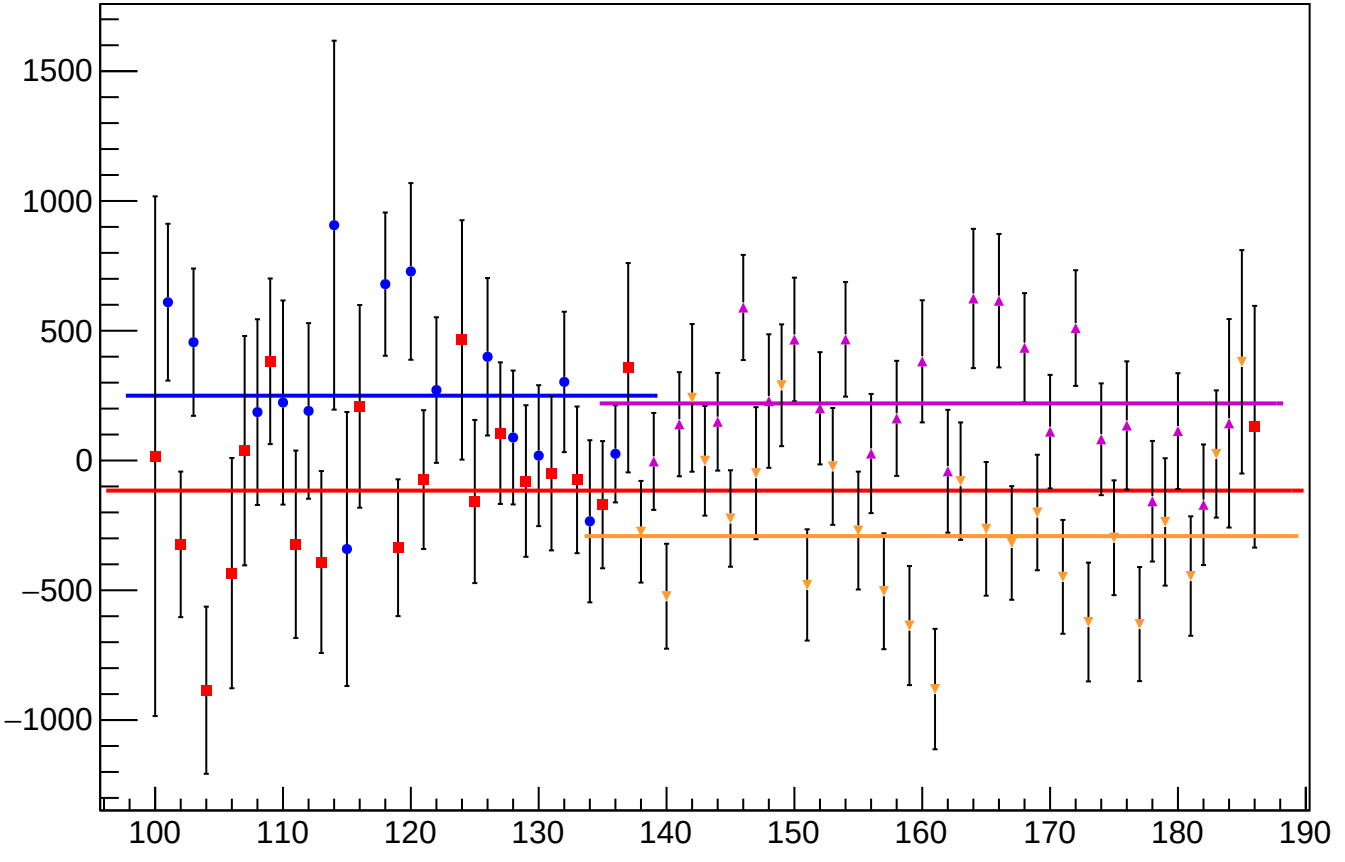
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1612.493+/-0.227 χ^2/NDF: 2585440.7/40

All: 1630.227+/-0.164 χ^2/NDF: 5937255.2/83

- sign 1649.363+/-0.236 χ^2/NDF: 3339143.3/42

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -115.932+/-73.449 χ^2/NDF: 15.8/19

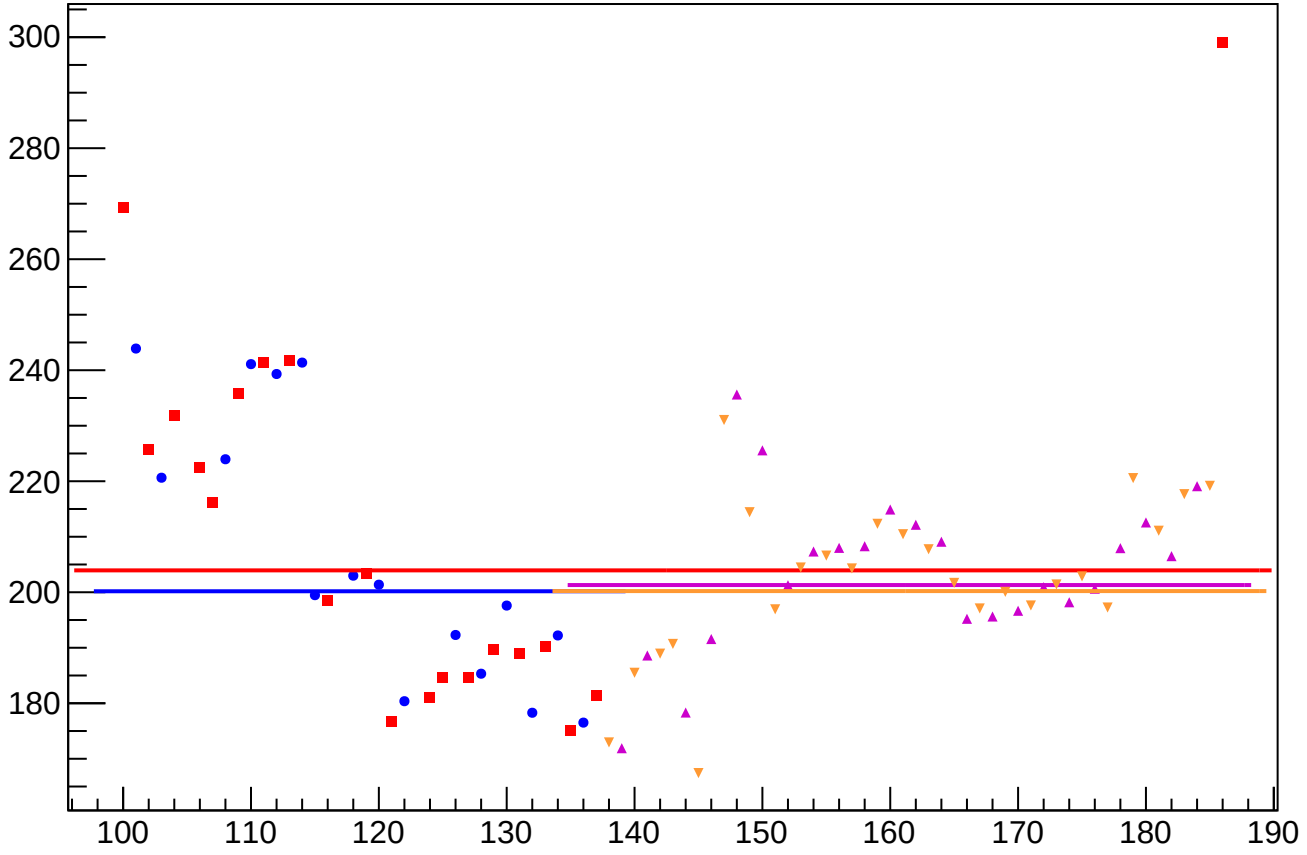
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -144.867+/-38.955 χ^2/NDF: 88.2/40

All: -13.896+/-27.797 χ^2/NDF: 165.5/83

- sign 121.966+/-39.676 χ^2/NDF: 54.3/42

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

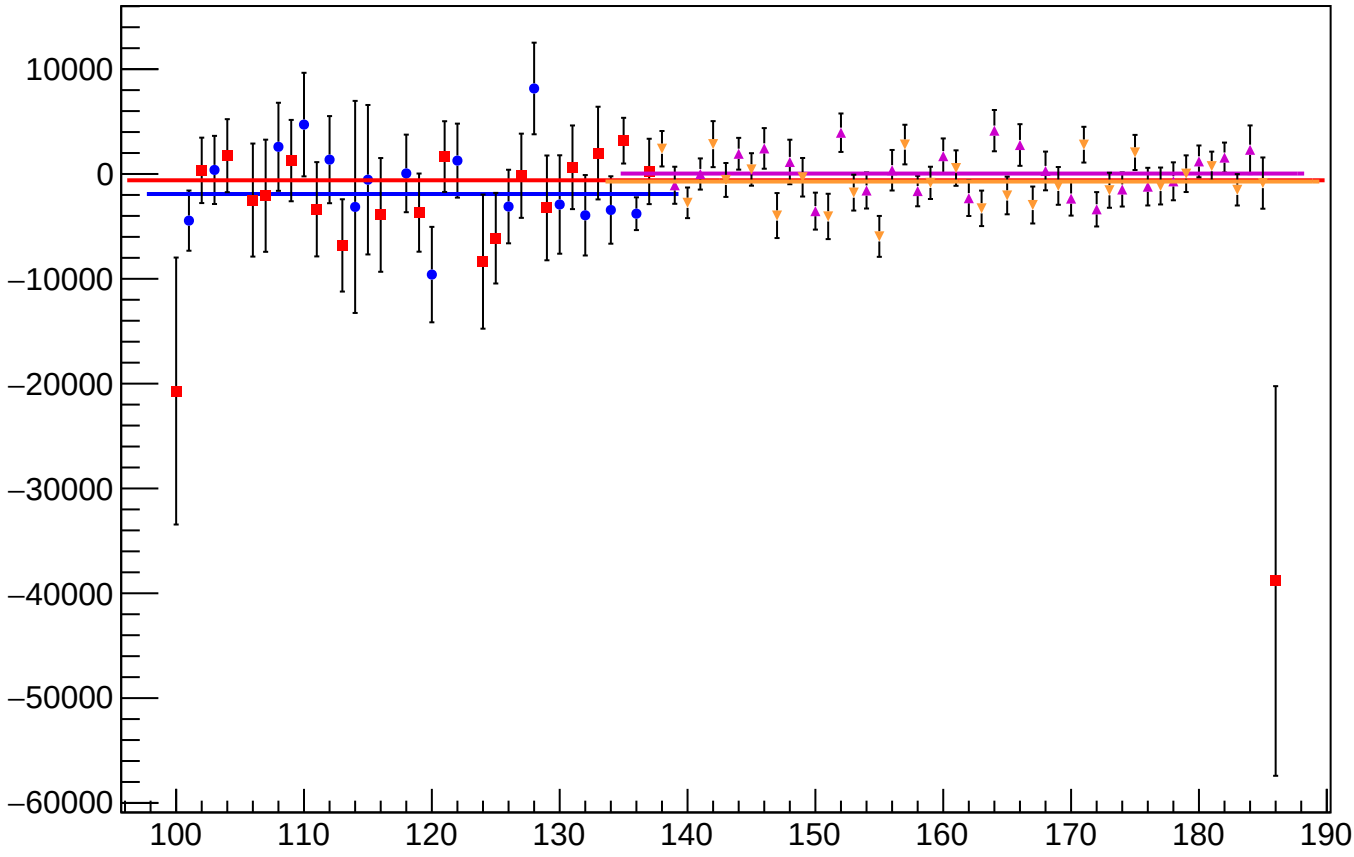
Right Out: 203.941+/-0.052 χ^2/NDF: 280980.0/19

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 200.201+/-0.028 χ^2/NDF: 385395.9/40

All: 201.118+/-0.020 χ^2/NDF: 852113.9/83

- sign 202.069+/-0.028 χ^2/NDF: 464461.3/42



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

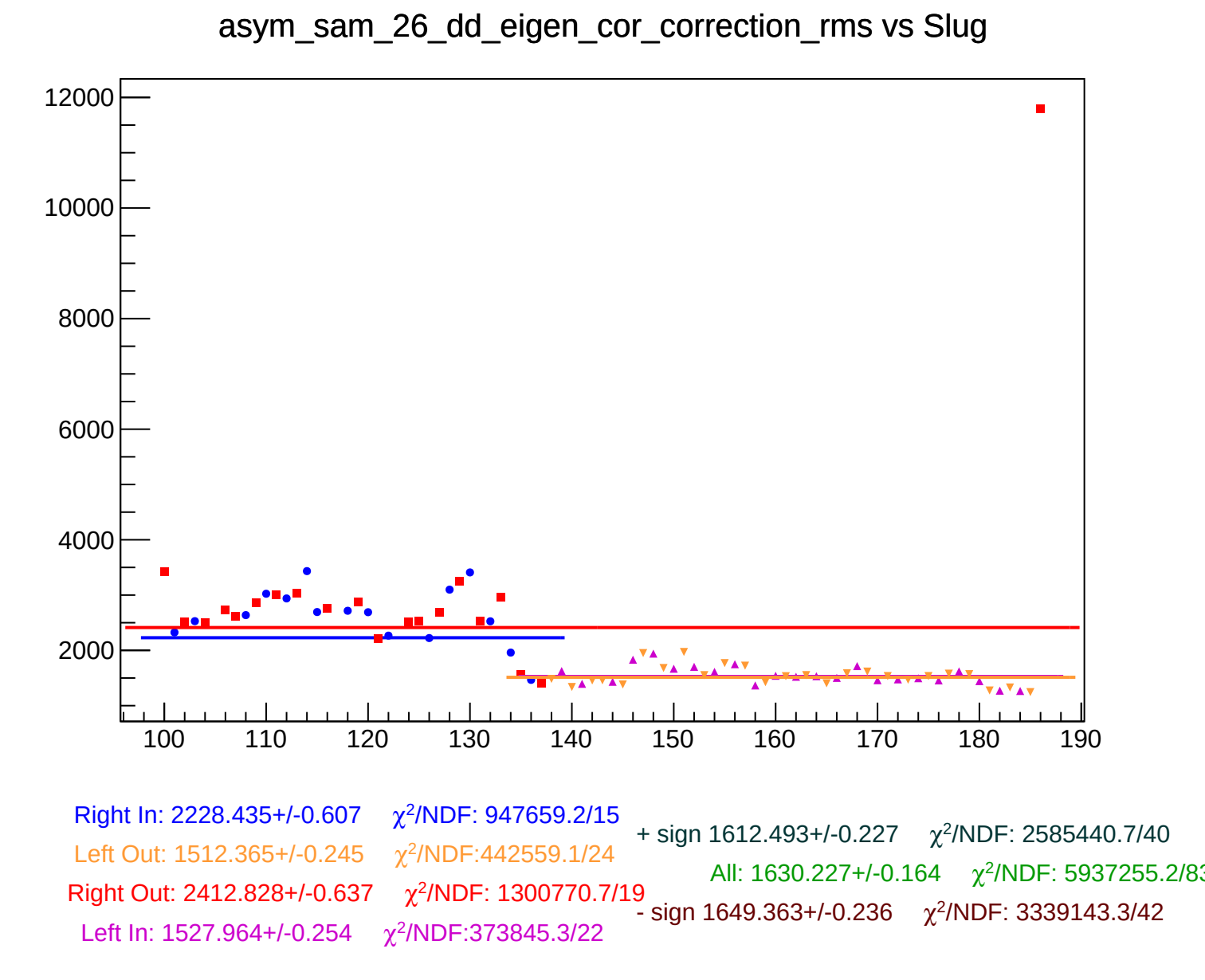
Right Out: -601.315+/-900.954 χ^2/NDF: 18.5/19

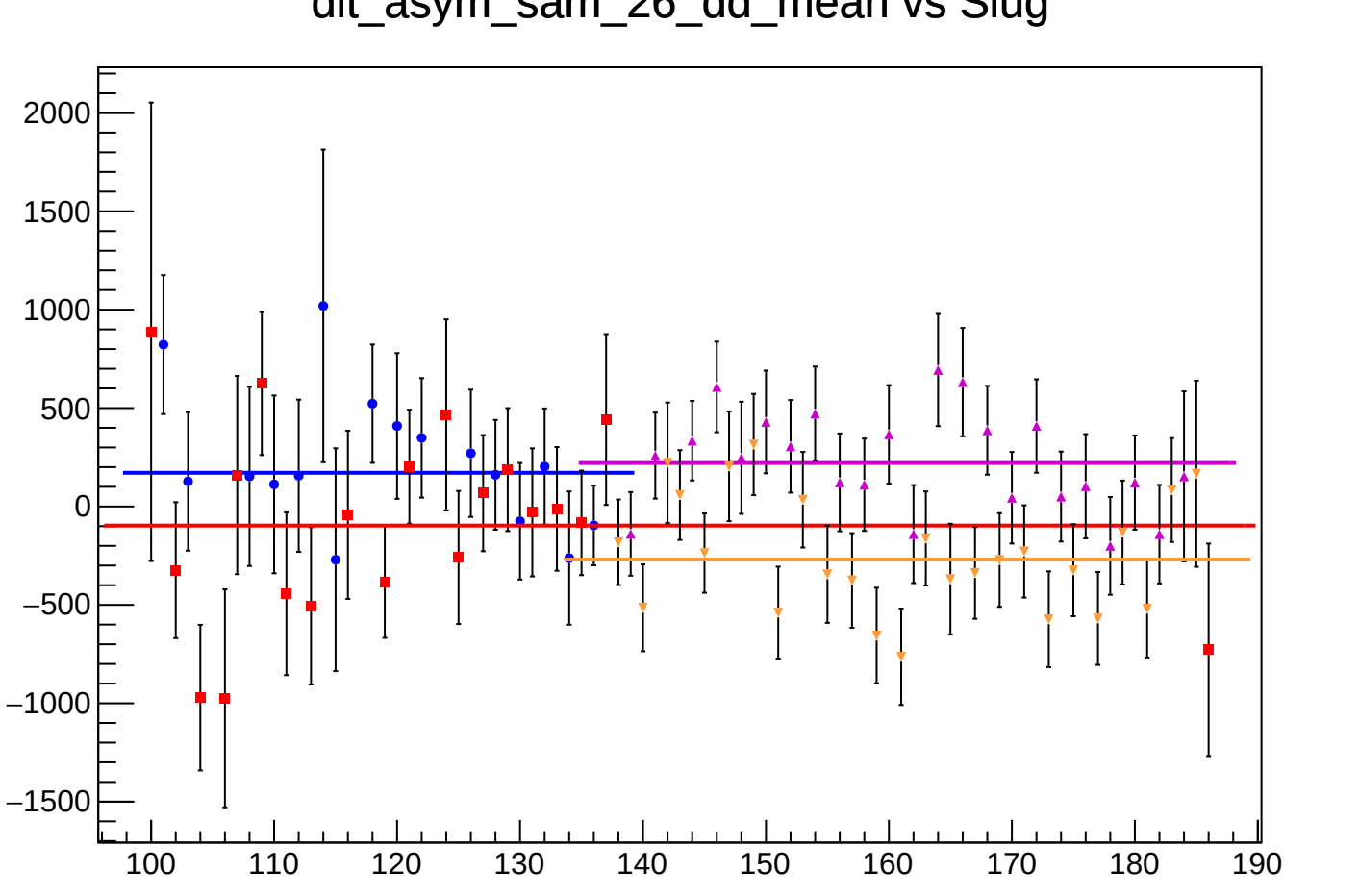
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -887.048+/-321.247 χ^2/NDF: 56.2/40

All: -483.780+/-231.437 χ^2/NDF: 112.8/83

- sign -48.611+/-333.712 χ^2/NDF: 53.3/42


asym_sam_26_dd_eigen_cor_correction_rms vs Slug
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2228.435+/-0.607 χ²/NDF: 947659.2/15
Left Out: 1512.365+/-0.245 χ²/NDF:442559.1/24
Right Out: 2412.828+/-0.637 χ²/NDF: 1300770.7/19
Left In: 1527.964+/-0.254 χ²/NDF:373845.3/22
+ sign 1612.493+/-0.227 χ²/NDF: 2585440.7/40
All: 1630.227+/-0.164 χ²/NDF: 5937255.2/83
- sign 1649.363+/-0.236 χ²/NDF: 3339143.3/42



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -96.909+/-81.597 χ^2/NDF: 23.0/19

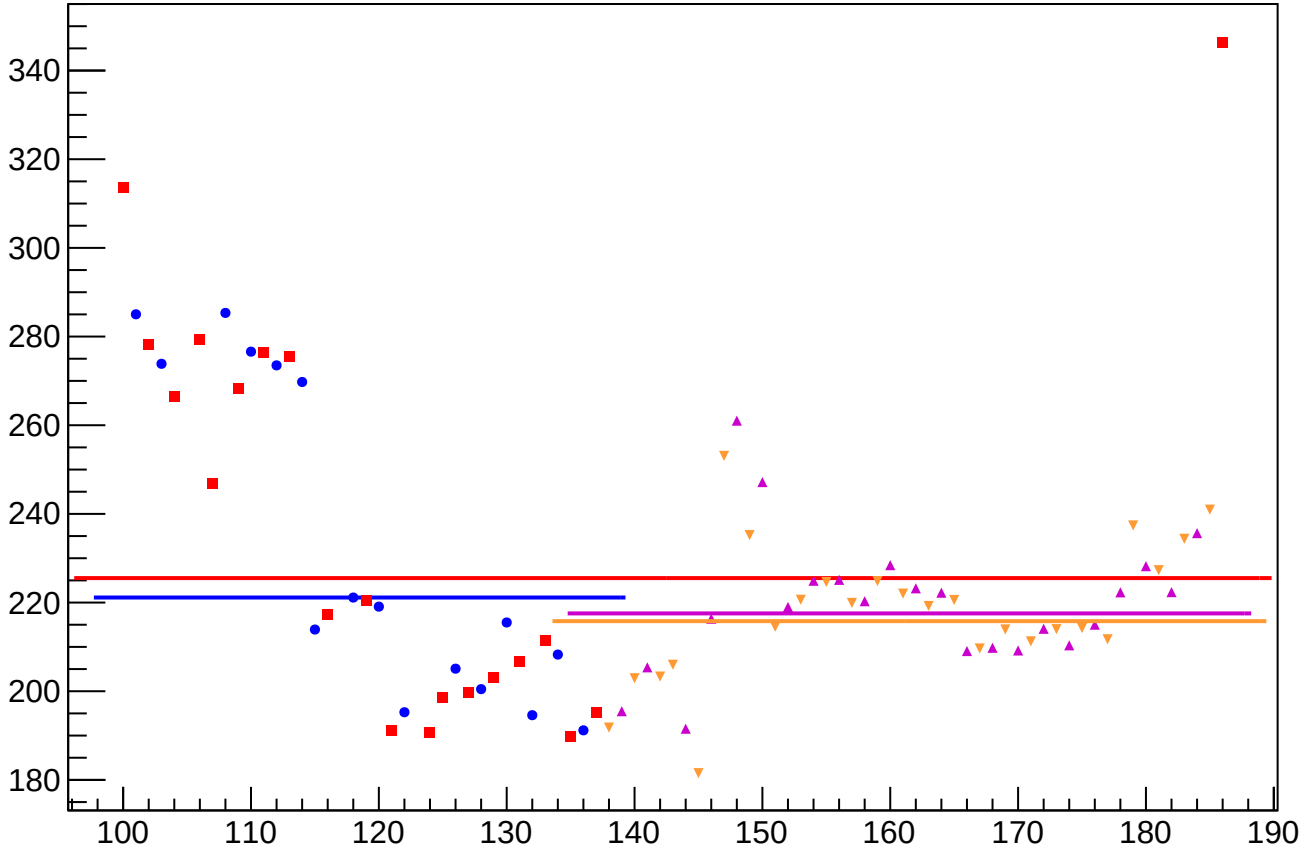
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -155.411+/-42.311 χ^2/NDF: 63.8/40

All: -14.880+/-30.235 χ^2/NDF: 143.7/83

- sign 131.755+/-43.220 χ^2/NDF: 57.3/42

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

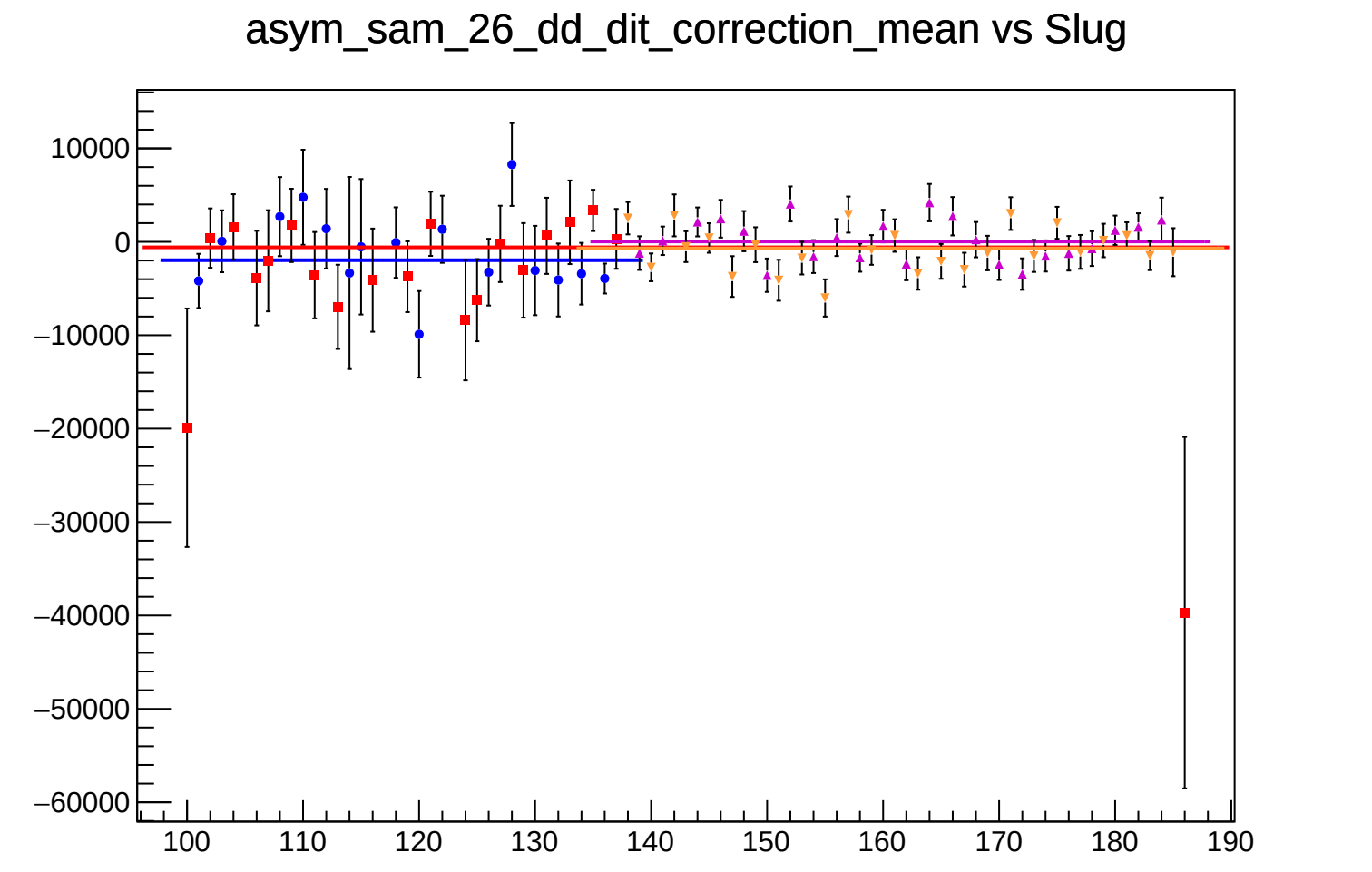
Right Out: 225.521+/-0.058 χ^2/NDF: 429532.2/19

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 217.188+/-0.030 χ^2/NDF: 513500.2/40

All: 218.462+/-0.021 χ^2/NDF: 1121513.7/83

- sign 219.790+/-0.031 χ^2/NDF: 604313.9/42



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -589.788+/-913.679 χ^2/NDF: 19.1/19

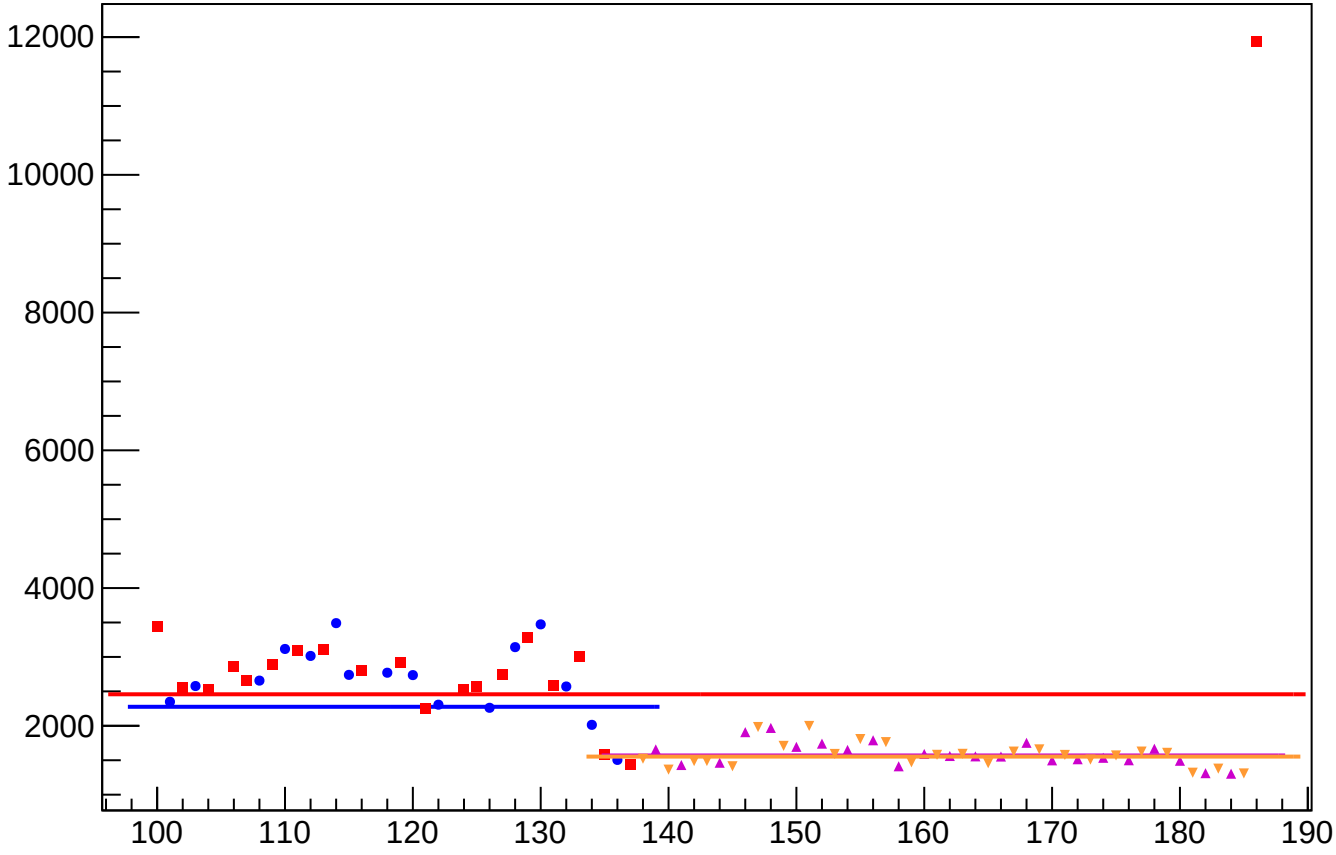
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -882.415+/-329.410 χ^2/NDF: 55.6/40

All: -481.178+/-237.271 χ^2/NDF: 112.5/83

- sign -48.559+/-342.049 χ^2/NDF: 53.8/42

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2457.770+/-0.646 χ^2/NDF: 1300472.4/19

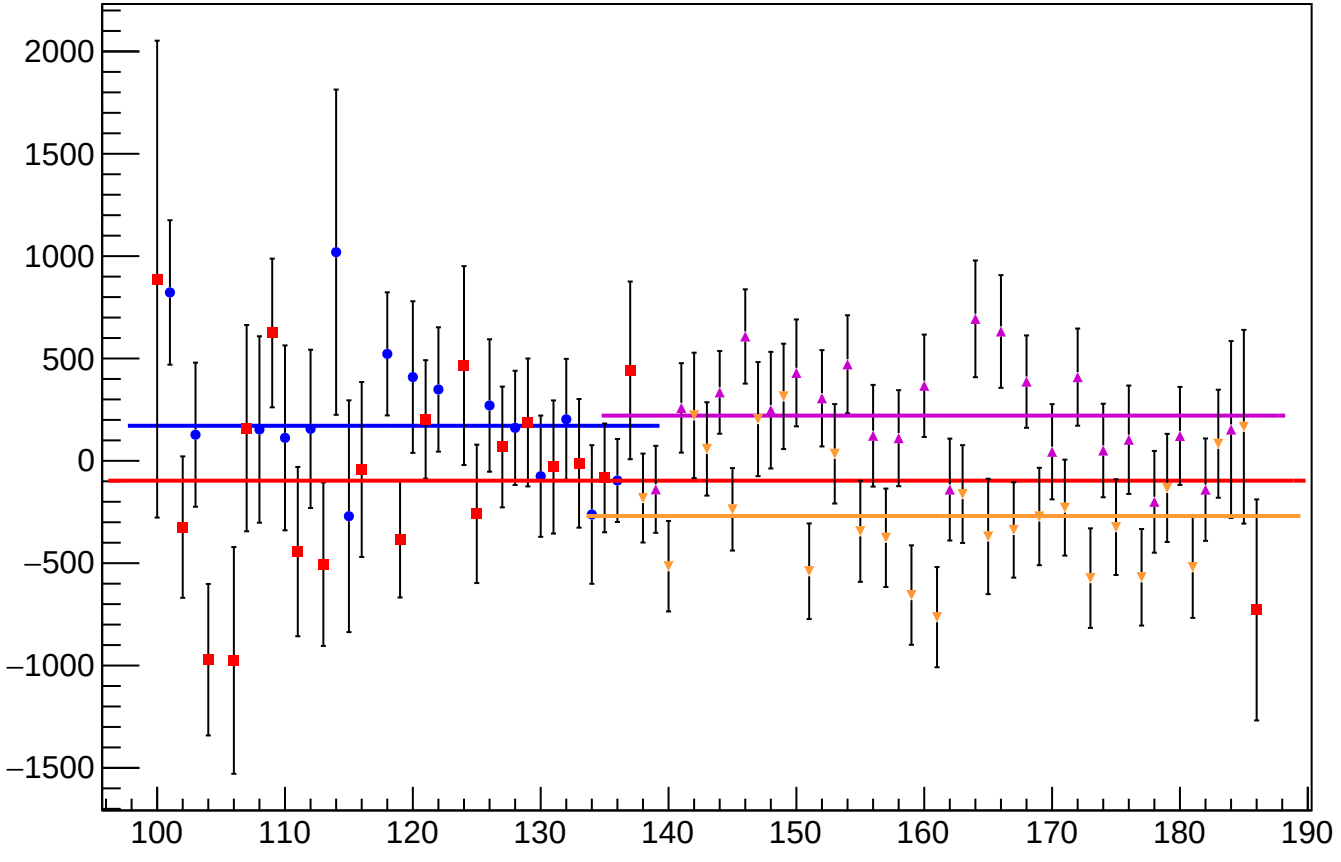
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1655.129+/-0.233 χ^2/NDF: 2505662.2/40

All: 1673.780+/-0.168 χ^2/NDF: 5802754.3/83

- sign 1693.890+/-0.242 χ^2/NDF: 3283767.6/42

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -96.906+/-81.597 χ^2/NDF: 23.0/19

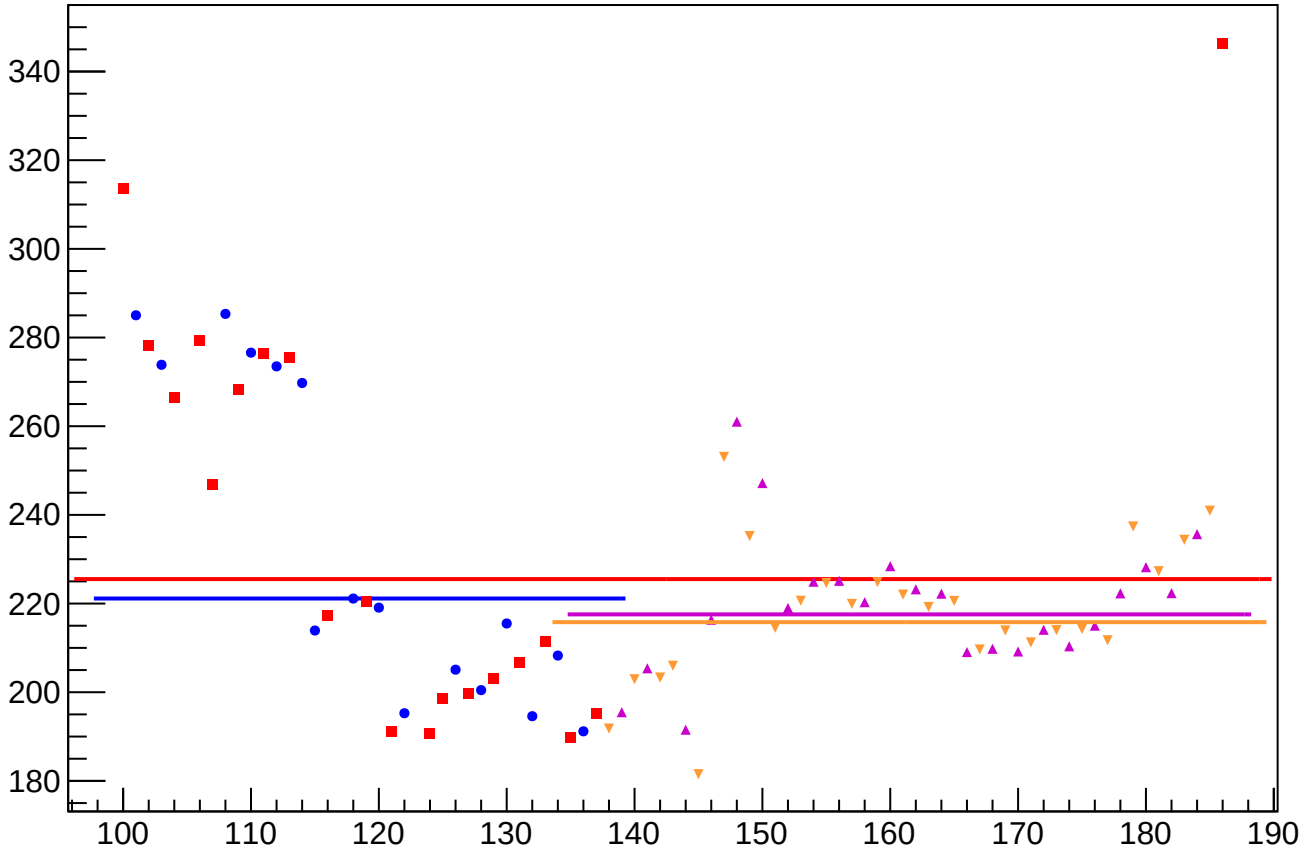
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -155.411+/-42.311 χ^2/NDF: 63.8/40

All: -14.880+/-30.235 χ^2/NDF: 143.7/83

- sign 131.755+/-43.220 χ^2/NDF: 57.3/42

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

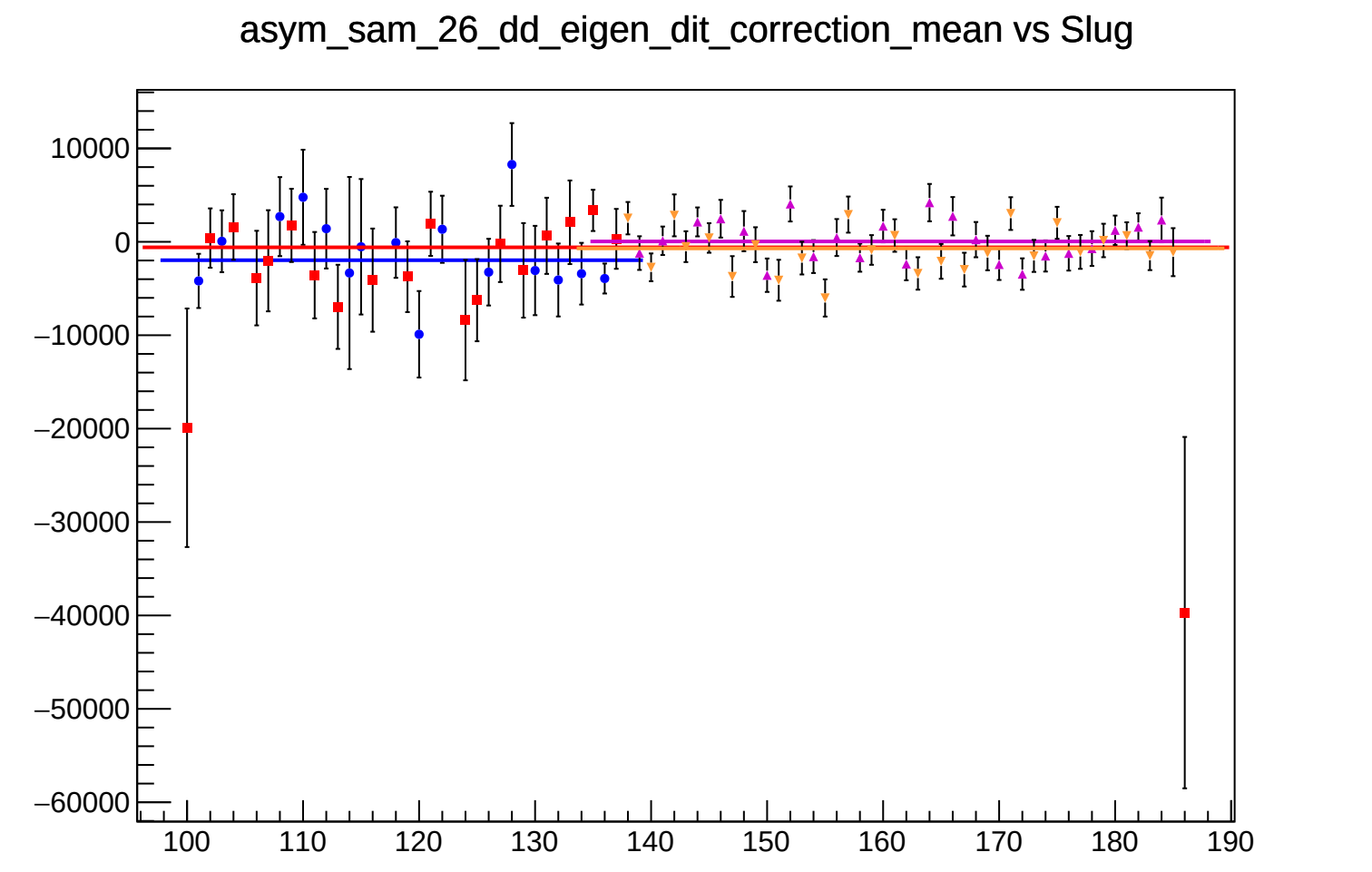
Right Out: 225.520+/-0.058 χ^2/NDF: 429518.3/19

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 217.188+/-0.030 χ^2/NDF: 513496.8/40

All: 218.461+/-0.021 χ^2/NDF: 1121496.4/83

- sign 219.789+/-0.031 χ^2/NDF: 604300.0/42


asym_sam_26_dd_eigen_dit_correction_mean vs Slug
10000
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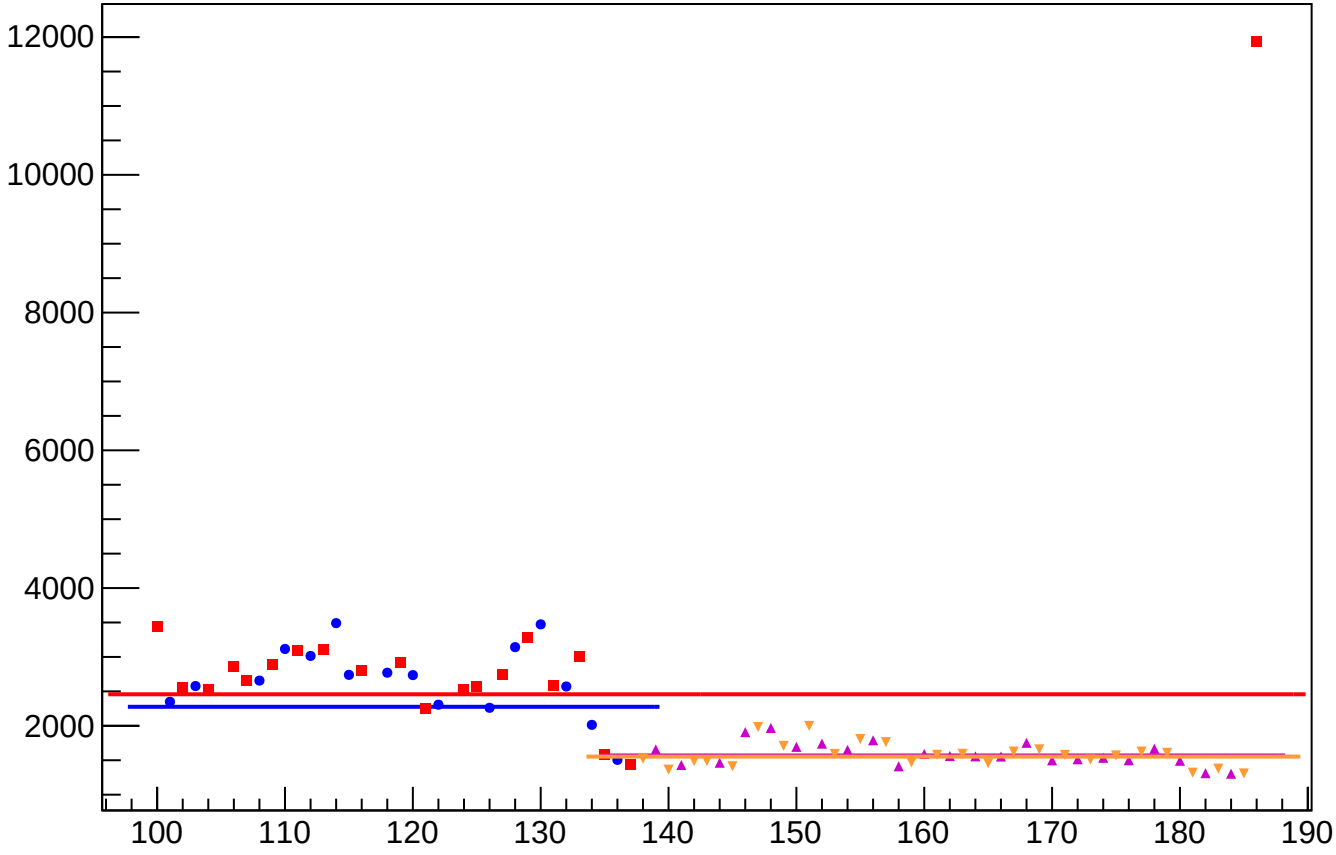
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
170
180
190
Right In: -1967.409+/-876.608 χ²/NDF: 16.2/15
Left Out: -704.012+/-355.462 χ²/NDF:37.6/24
Right Out: -589.790+/-913.677 χ²/NDF: 19.1/19
Left In: 39.657+/-368.873 χ²/NDF:34.3/22
+ sign -882.415+/-329.410 χ²/NDF: 55.6/40
All: -481.178+/-237.271 χ²/NDF: 112.5/83
- sign -48.560+/-342.049 χ²/NDF: 53.8/42

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2457.767+/-0.646 χ^2/NDF: 1300466.4/19

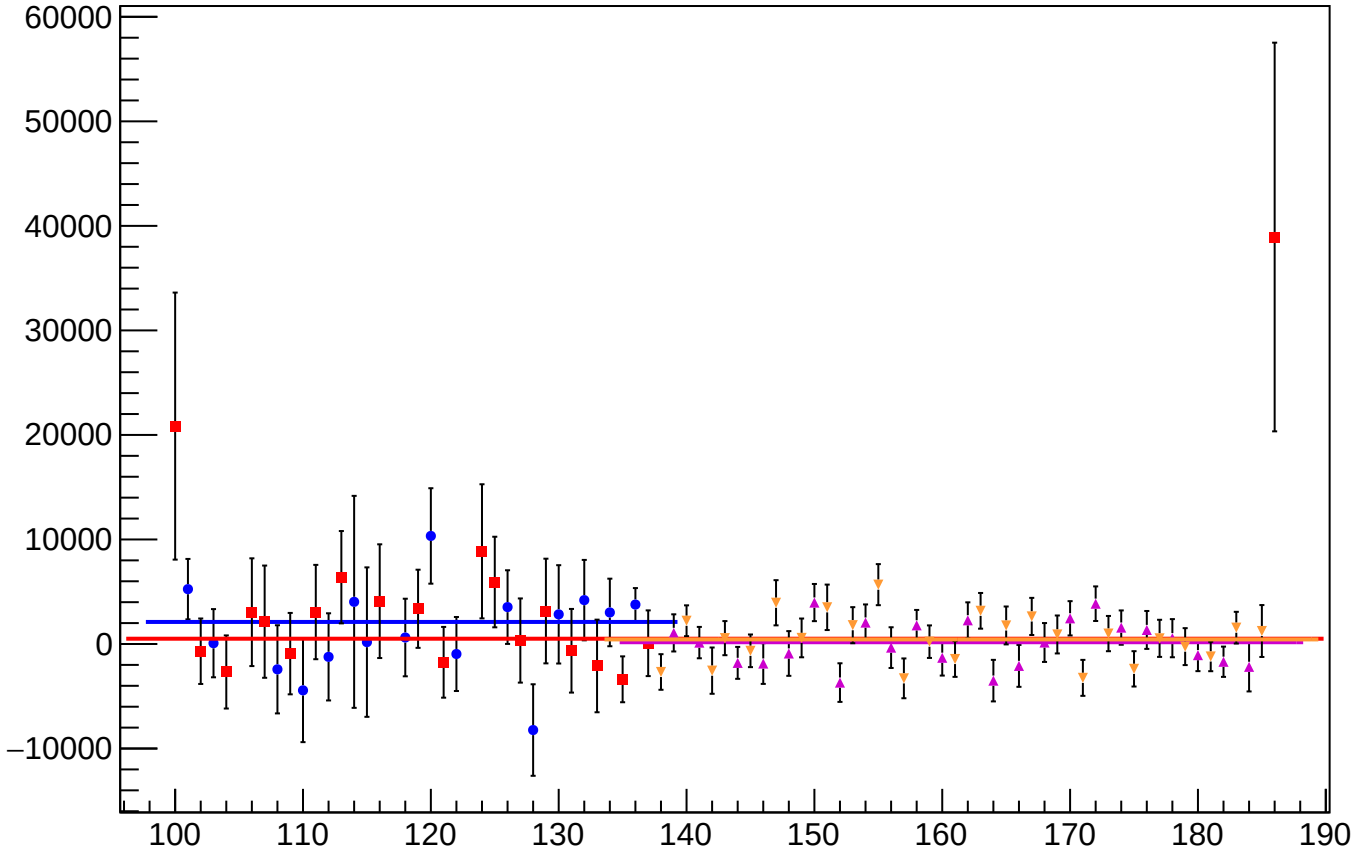
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1655.130+/-0.233 χ^2/NDF: 2505648.4/40

All: 1673.780+/-0.168 χ^2/NDF: 5802728.1/83

- sign 1693.890+/-0.242 χ^2/NDF: 3283755.6/42

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 505.038+/-903.345 χ^2/NDF: 18.9/19

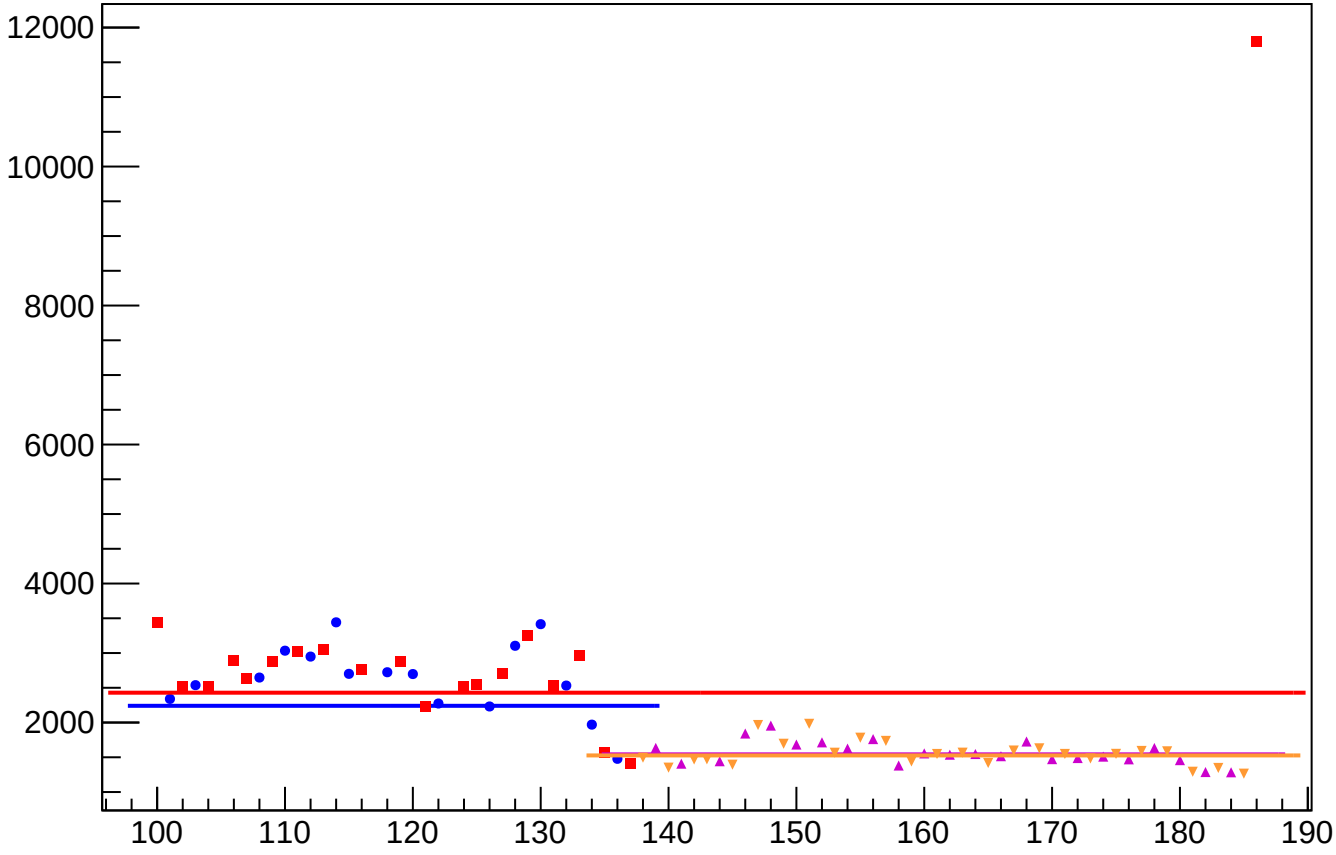
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 673.069+/-324.023 χ^2/NDF: 58.7/40

All: 453.300+/-233.393 χ^2/NDF: 111.7/83

- sign 216.331+/-336.463 χ^2/NDF: 52.1/42

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

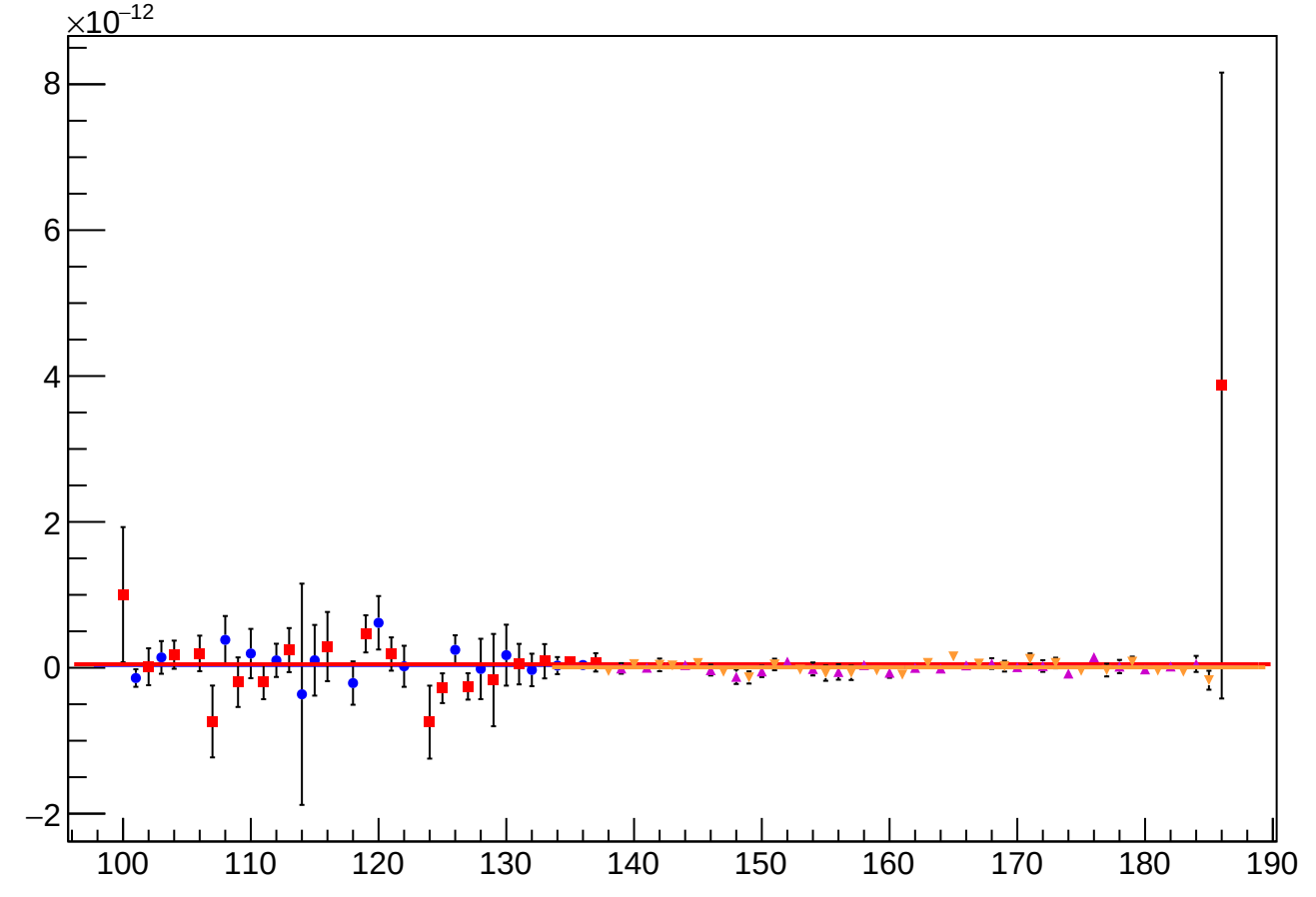
Right Out: 2429.295+/-0.639 χ^2/NDF: 1298066.6/19

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1627.297+/-0.229 χ^2/NDF: 2538080.7/40

All: 1645.593+/-0.165 χ^2/NDF: 5872580.9/83

- sign 1665.320+/-0.238 χ^2/NDF: 3321249.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

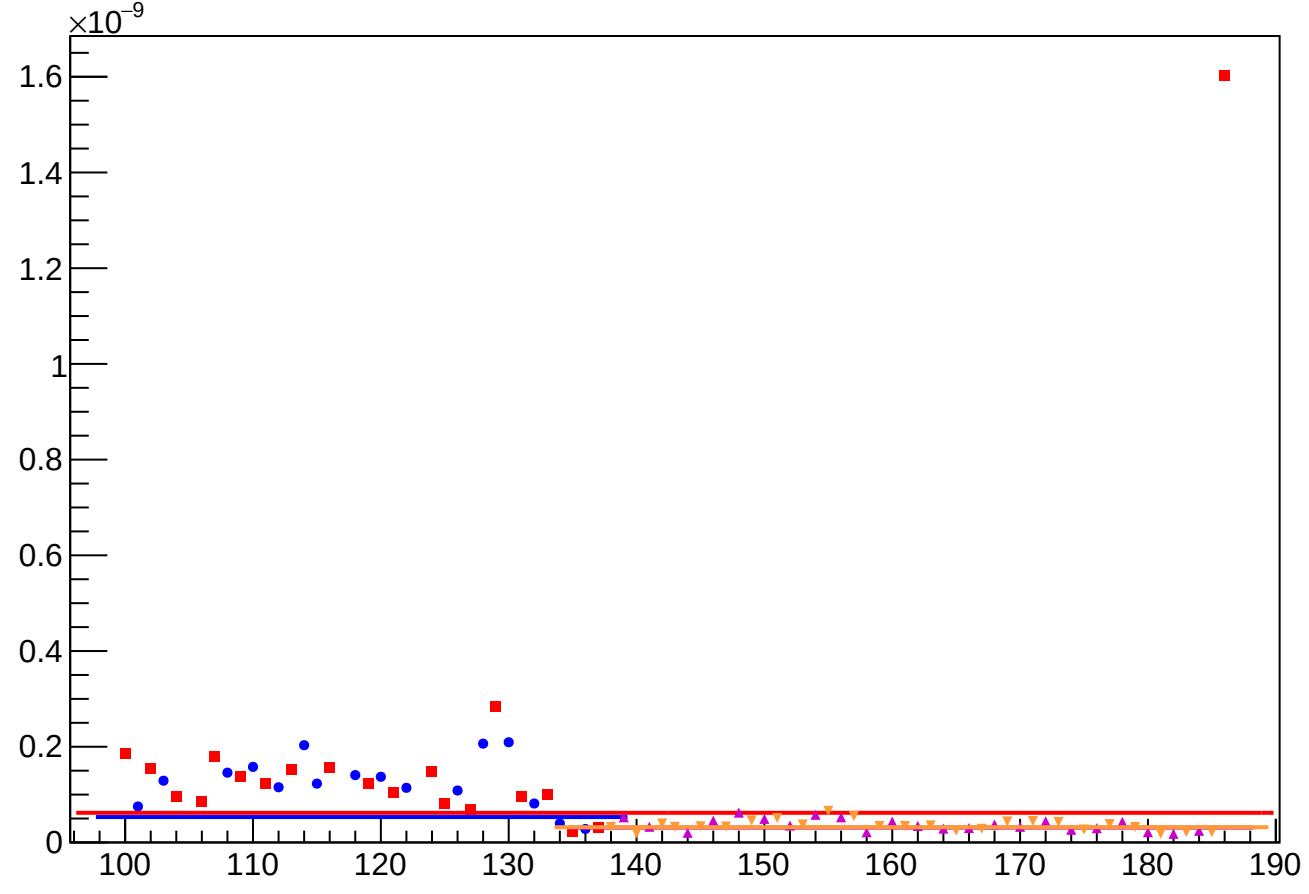
Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/19

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.9/40

All: 0.000+/-0.000 χ^2/NDF: 76.7/83

- sign 0.000+/-0.000 χ^2/NDF: 36.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2674341.2/19

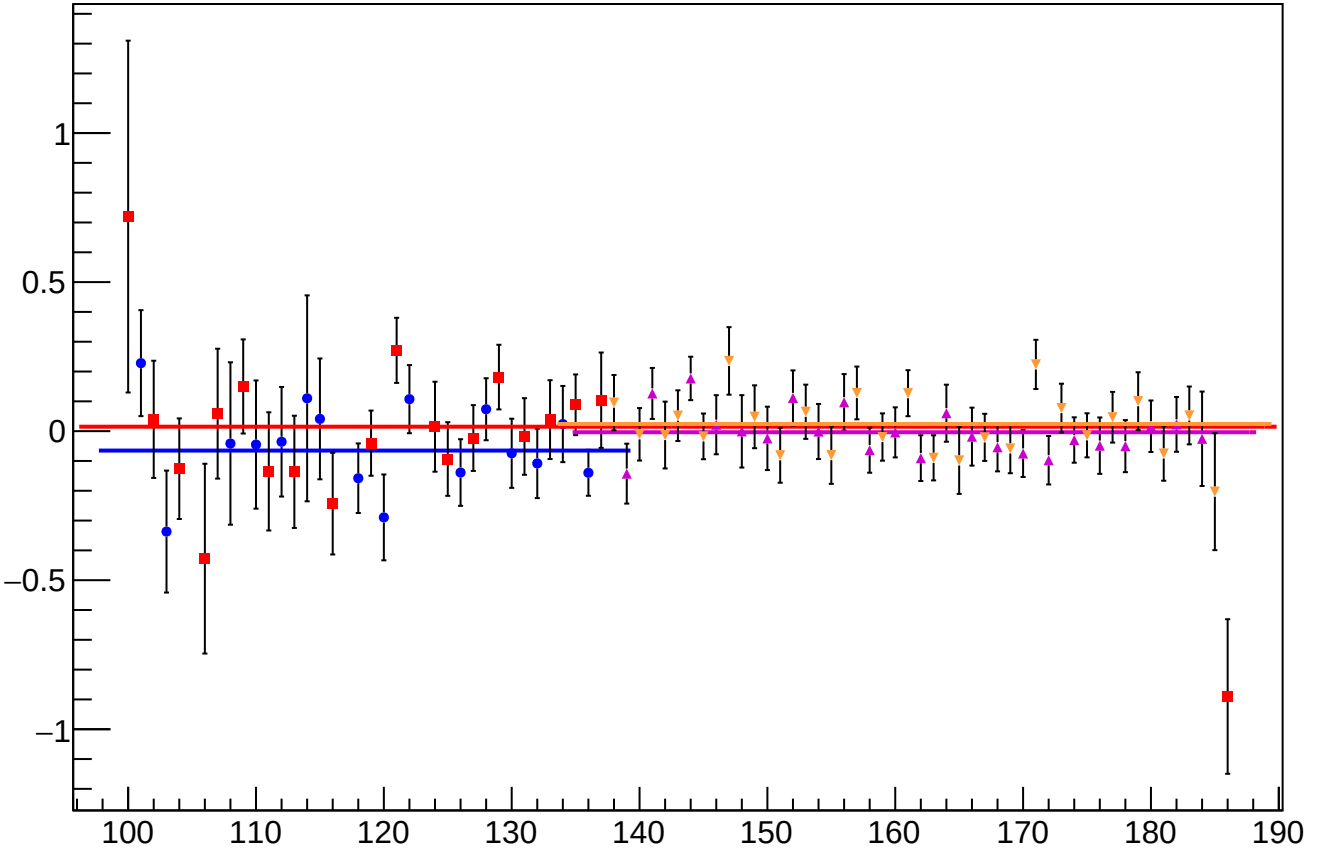
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4421439.6/40

All: 0.000+/-0.000 χ^2/NDF: 9633007.6/83

- sign 0.000+/-0.000 χ^2/NDF: 5209533.0/42

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.015+/-0.033 χ^2/NDF: 30.5/19

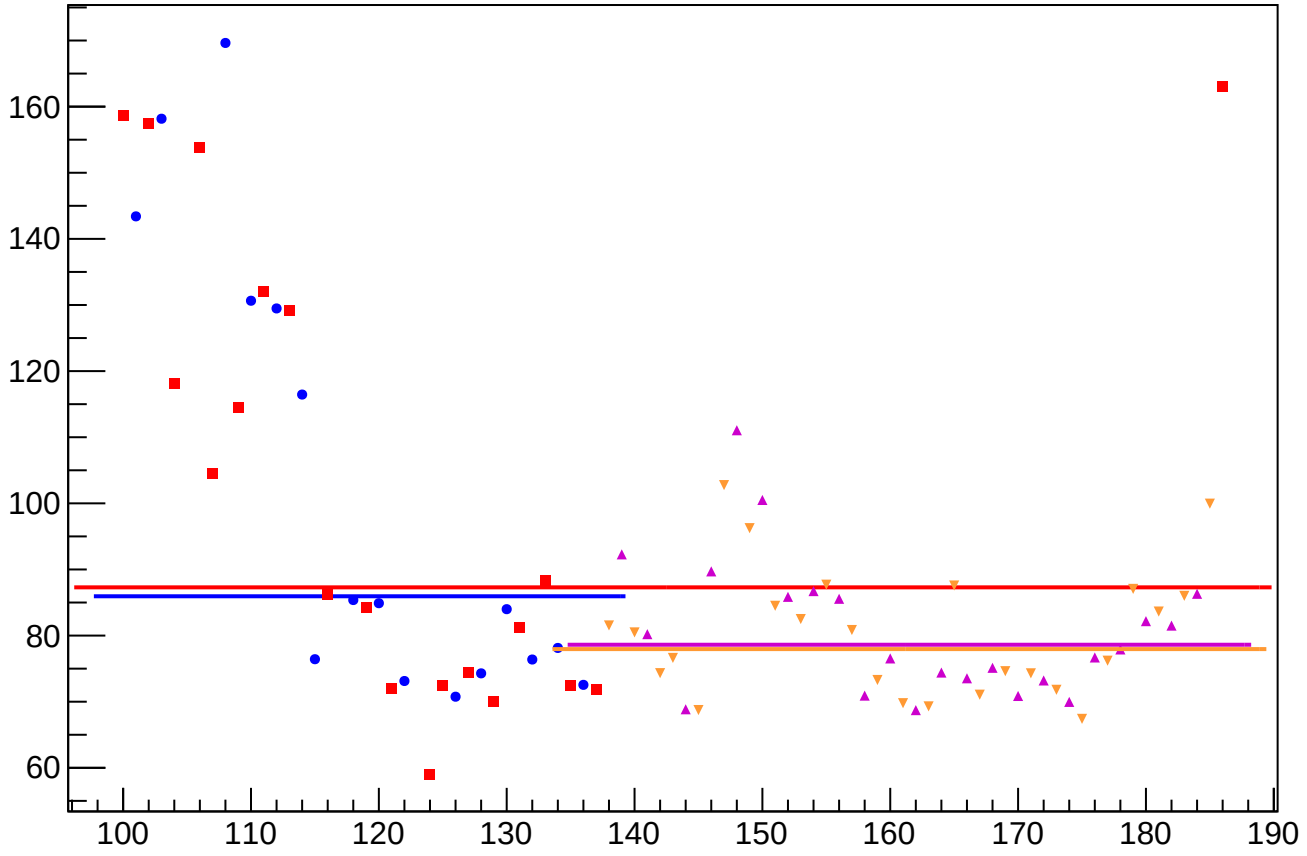
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.004+/-0.016 χ^2/NDF: 45.3/40

All: 0.003+/-0.011 χ^2/NDF: 94.9/83

- sign 0.001+/-0.016 χ^2/NDF: 49.6/42

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

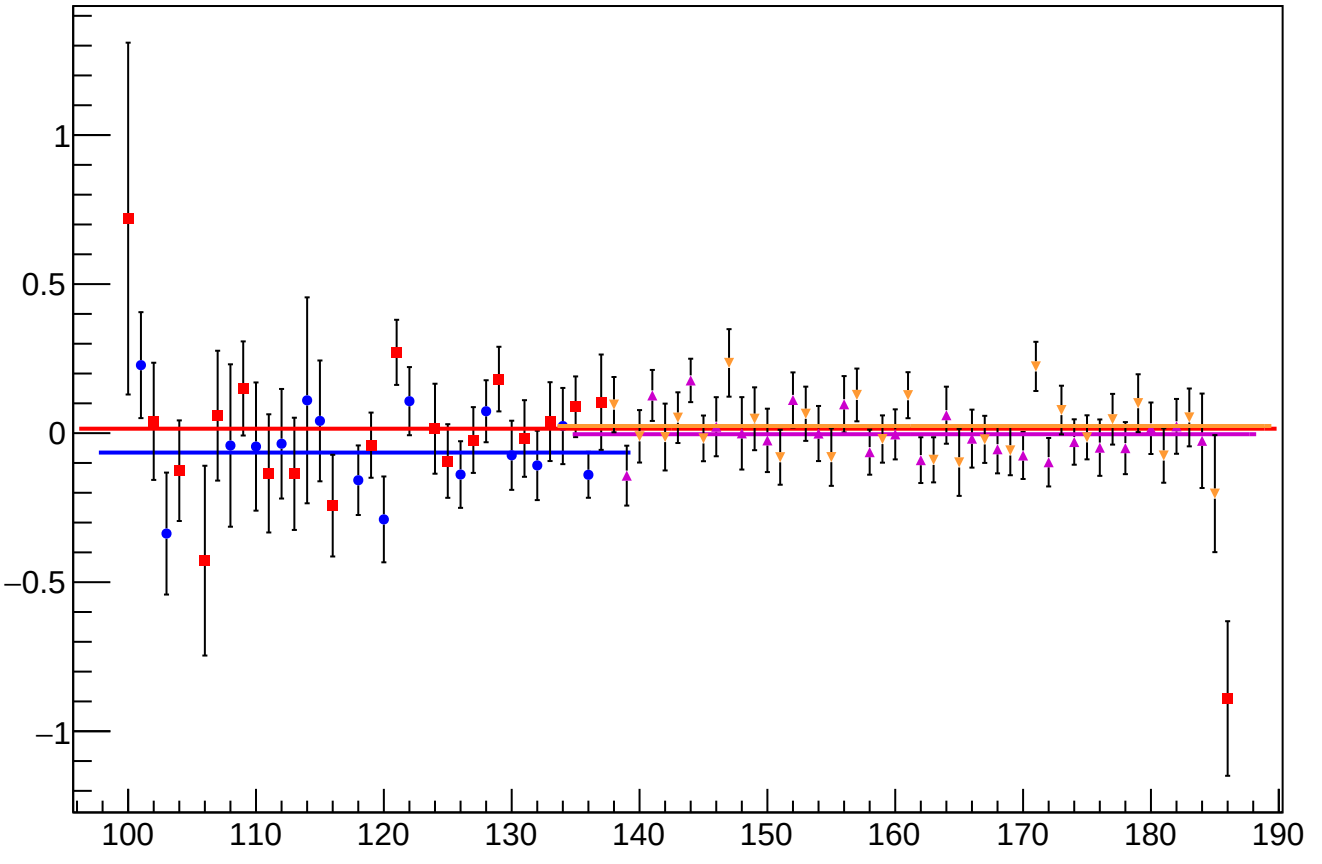
Right Out: 87.296+/-0.023 χ^2/NDF: 1164503.0/19

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 79.741+/-0.011 χ^2/NDF: 1564068.5/40

All: 80.223+/-0.008 χ^2/NDF: 3336829.6/83

- sign 80.731+/-0.011 χ^2/NDF: 1768900.5/42



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

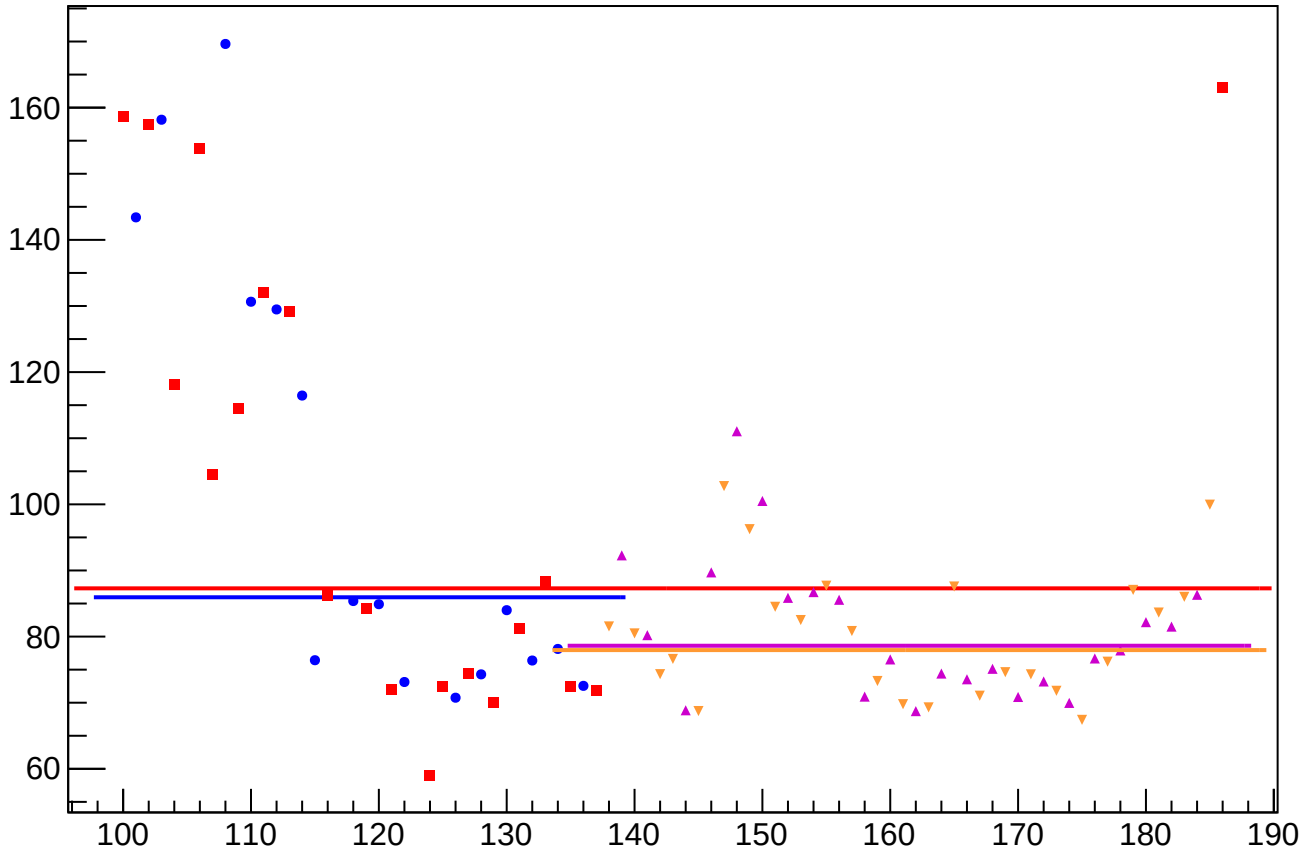
Right Out: 0.015+/-0.033 χ^2/NDF: 30.5/19

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.004+/-0.016 χ^2/NDF: 45.3/40

All: 0.003+/-0.011 χ^2/NDF: 94.9/83

- sign 0.001+/-0.016 χ^2/NDF: 49.6/42



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

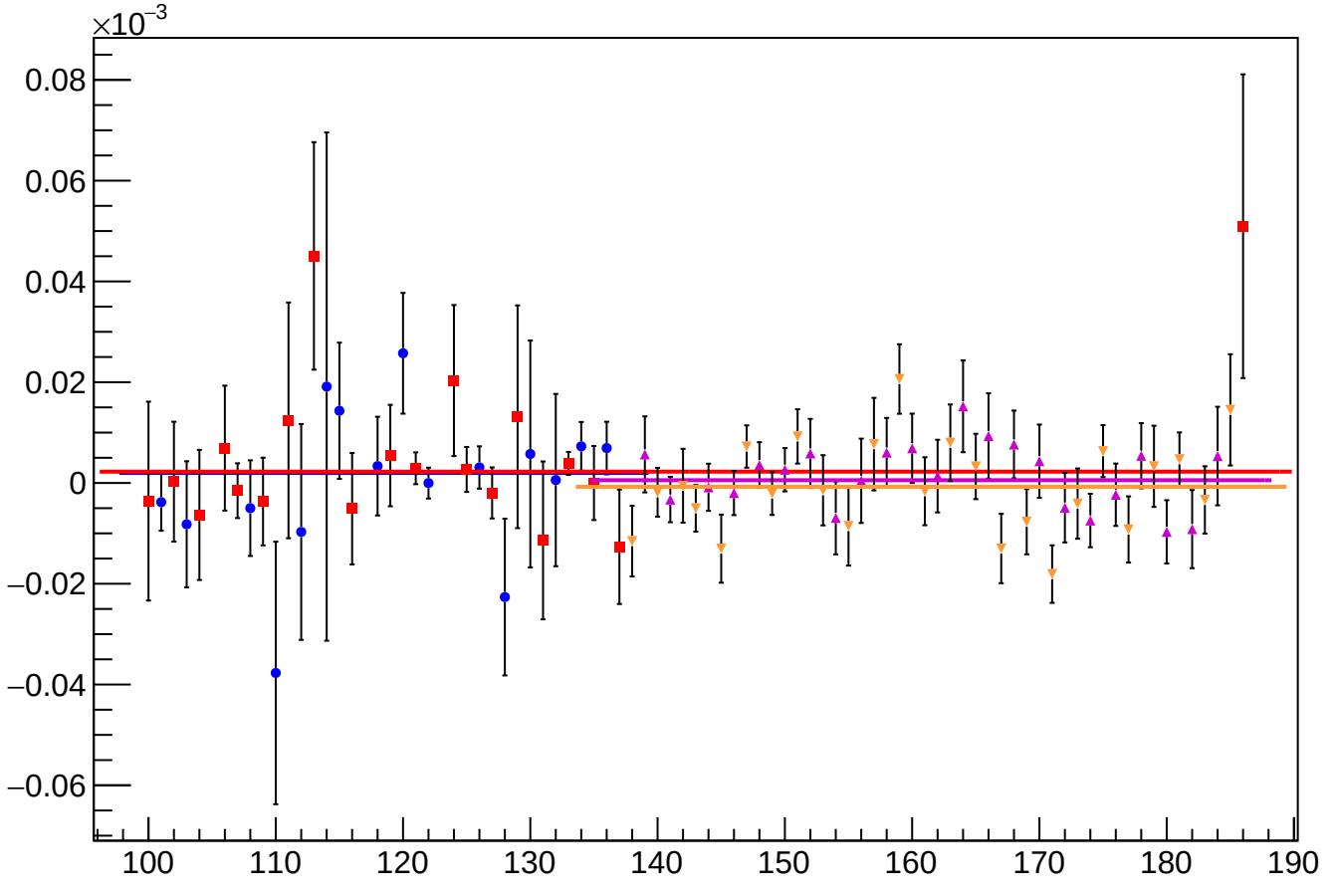
Right Out: 87.296+/-0.023 χ^2/NDF: 1164503.0/19

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 79.741+/-0.011 χ^2/NDF: 1564068.5/40

All: 80.223+/-0.008 χ^2/NDF: 3336829.6/83

- sign 80.731+/-0.011 χ^2/NDF: 1768900.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

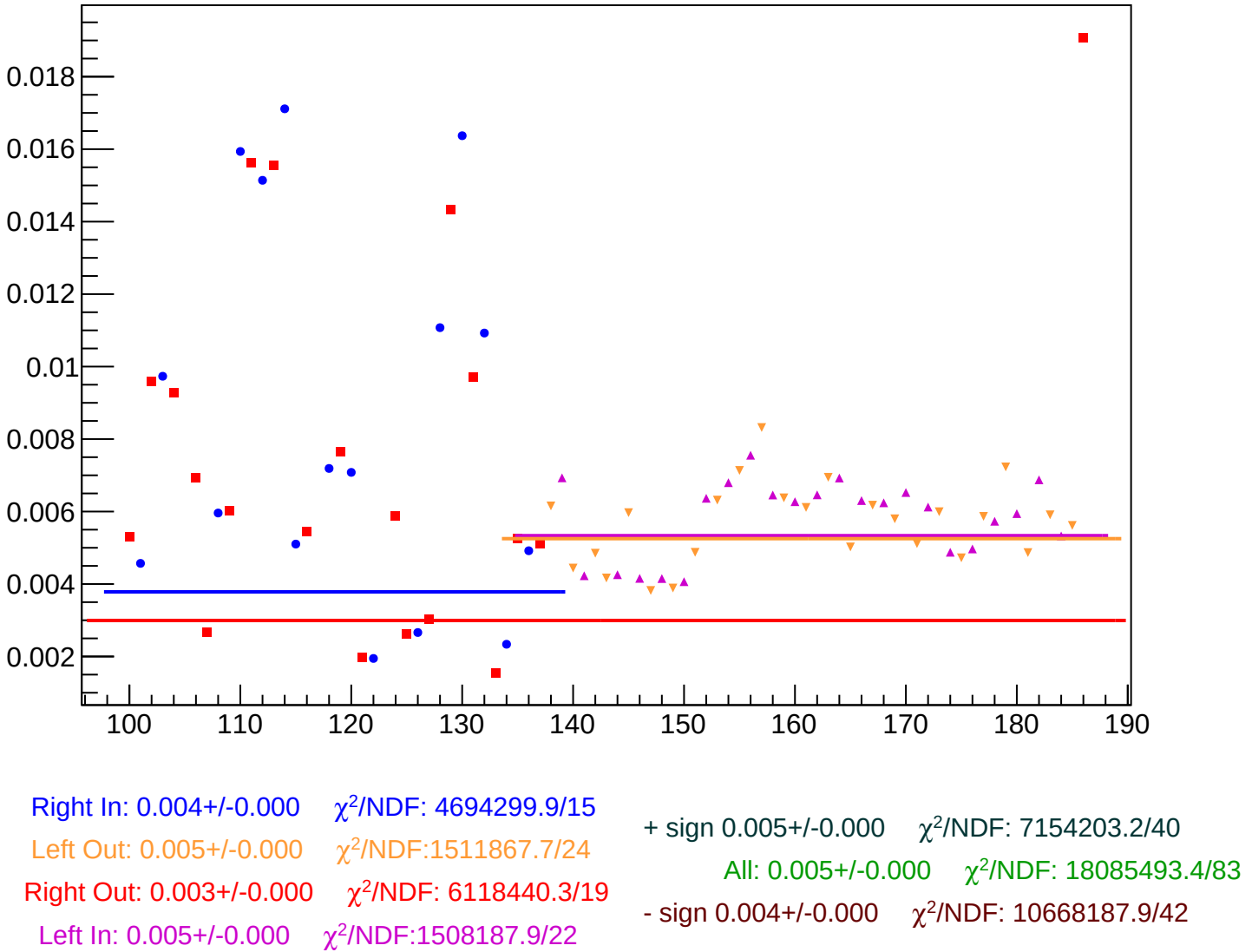
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/19

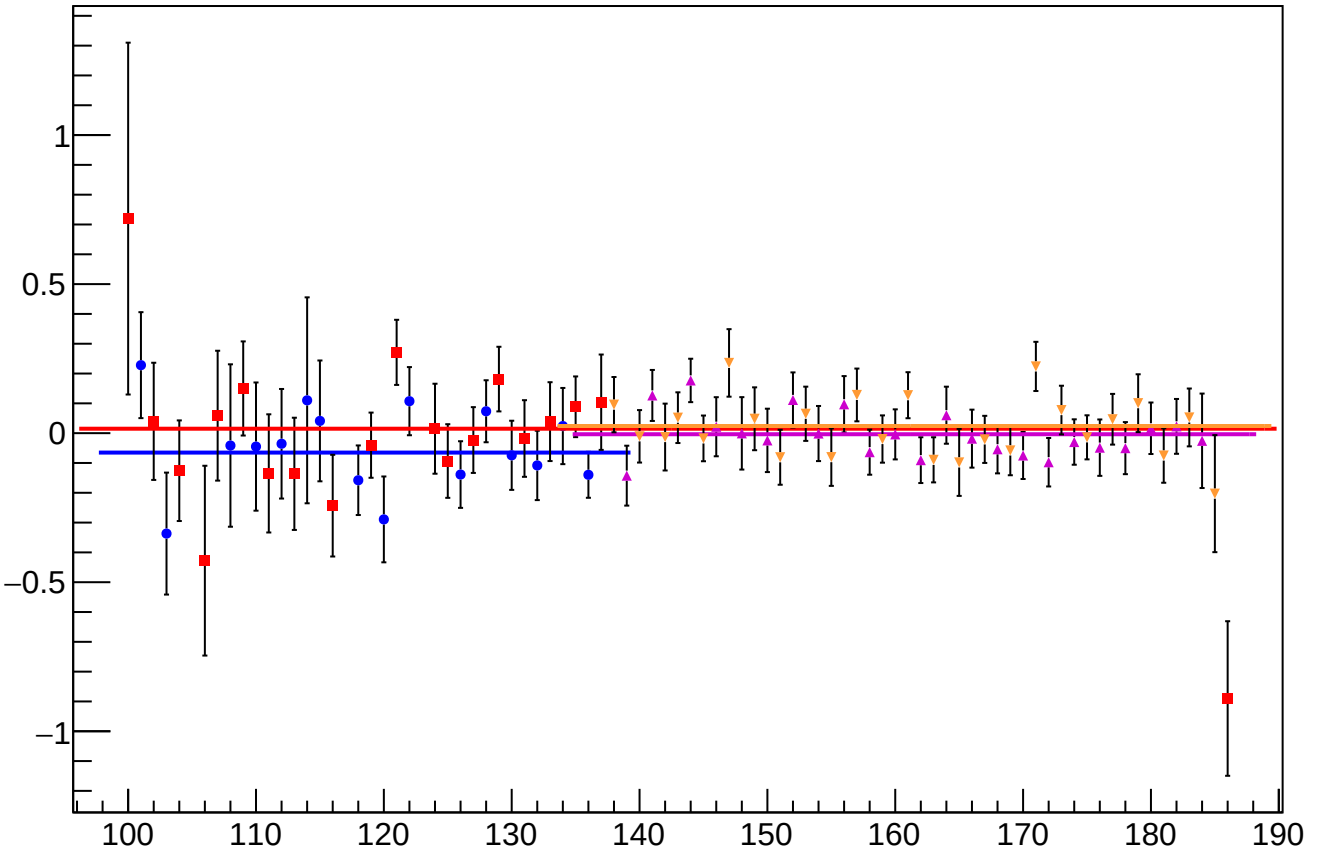
Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.1/40

All: 0.000+/-0.000 χ^2/NDF: 98.4/83

- sign 0.000+/-0.000 χ^2/NDF: 33.6/42


asym_sam_26_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: 0.004+/-0.000 χ²/NDF: 4694299.9/15
Left Out: 0.005+/-0.000 χ²/NDF:1511867.7/24
Right Out: 0.003+/-0.000 χ²/NDF: 6118440.3/19
Left In: 0.005+/-0.000 χ²/NDF:1508187.9/22
+ sign 0.005+/-0.000 χ²/NDF: 7154203.2/40
All: 0.005+/-0.000 χ²/NDF: 18085493.4/83
- sign 0.004+/-0.000 χ²/NDF: 10668187.9/42



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

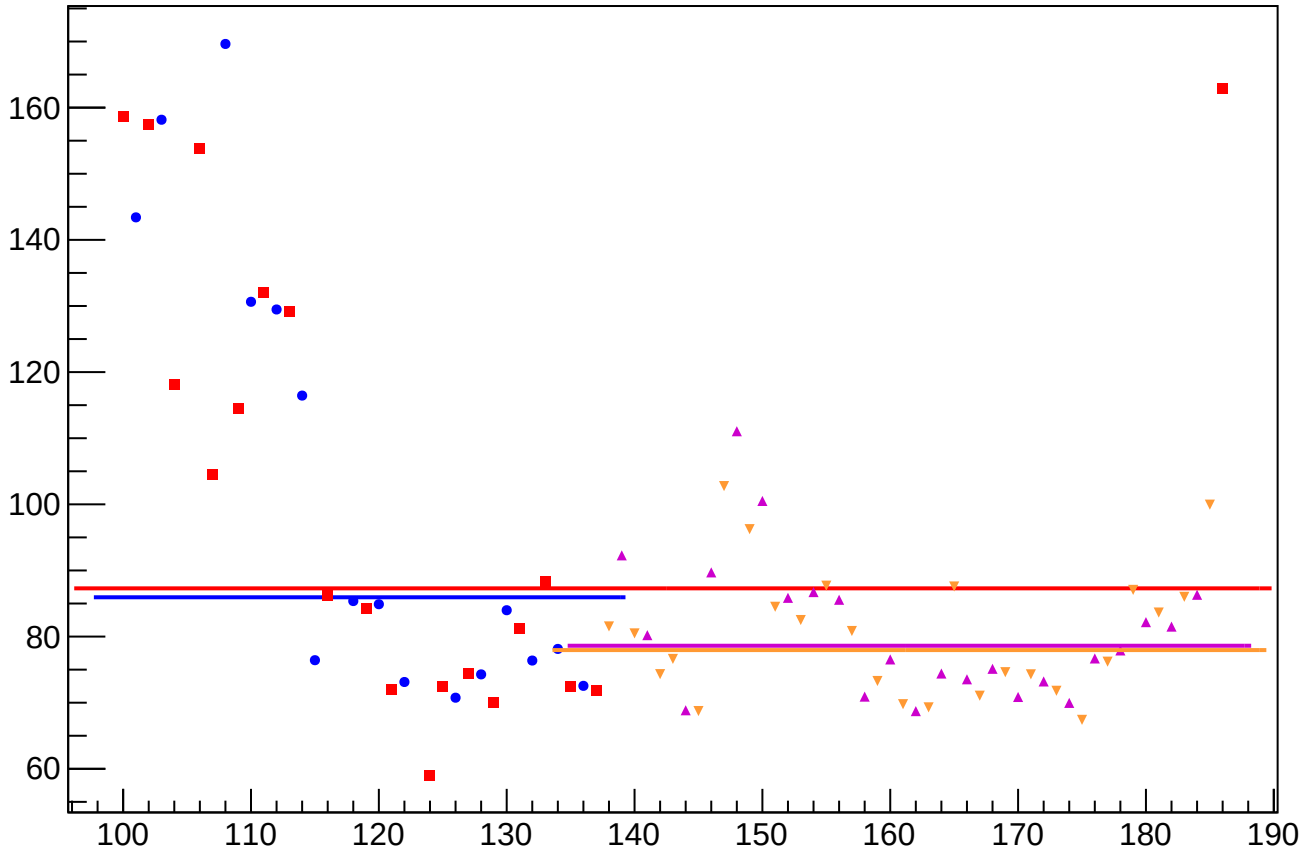
Right Out: 0.015+/-0.033 χ^2/NDF: 30.5/19

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.004+/-0.016 χ^2/NDF: 45.3/40

All: 0.003+/-0.011 χ^2/NDF: 94.9/83

- sign 0.001+/-0.016 χ^2/NDF: 49.6/42



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

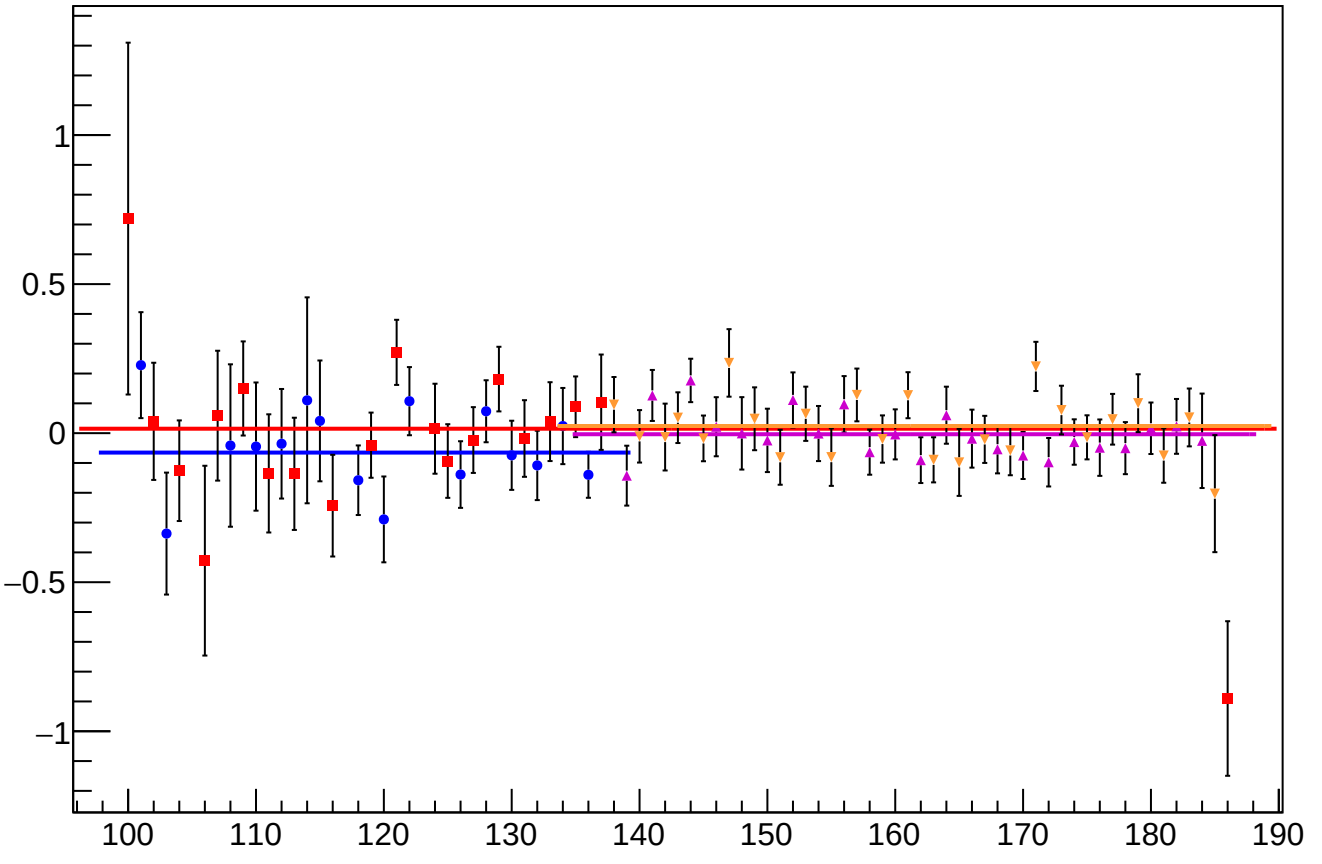
Right Out: 87.293+/-0.023 χ^2/NDF: 1164472.4/19

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 79.740+/-0.011 χ^2/NDF: 1564049.3/40

All: 80.222+/-0.008 χ^2/NDF: 3336784.4/83

- sign 80.730+/-0.011 χ^2/NDF: 1768875.9/42



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

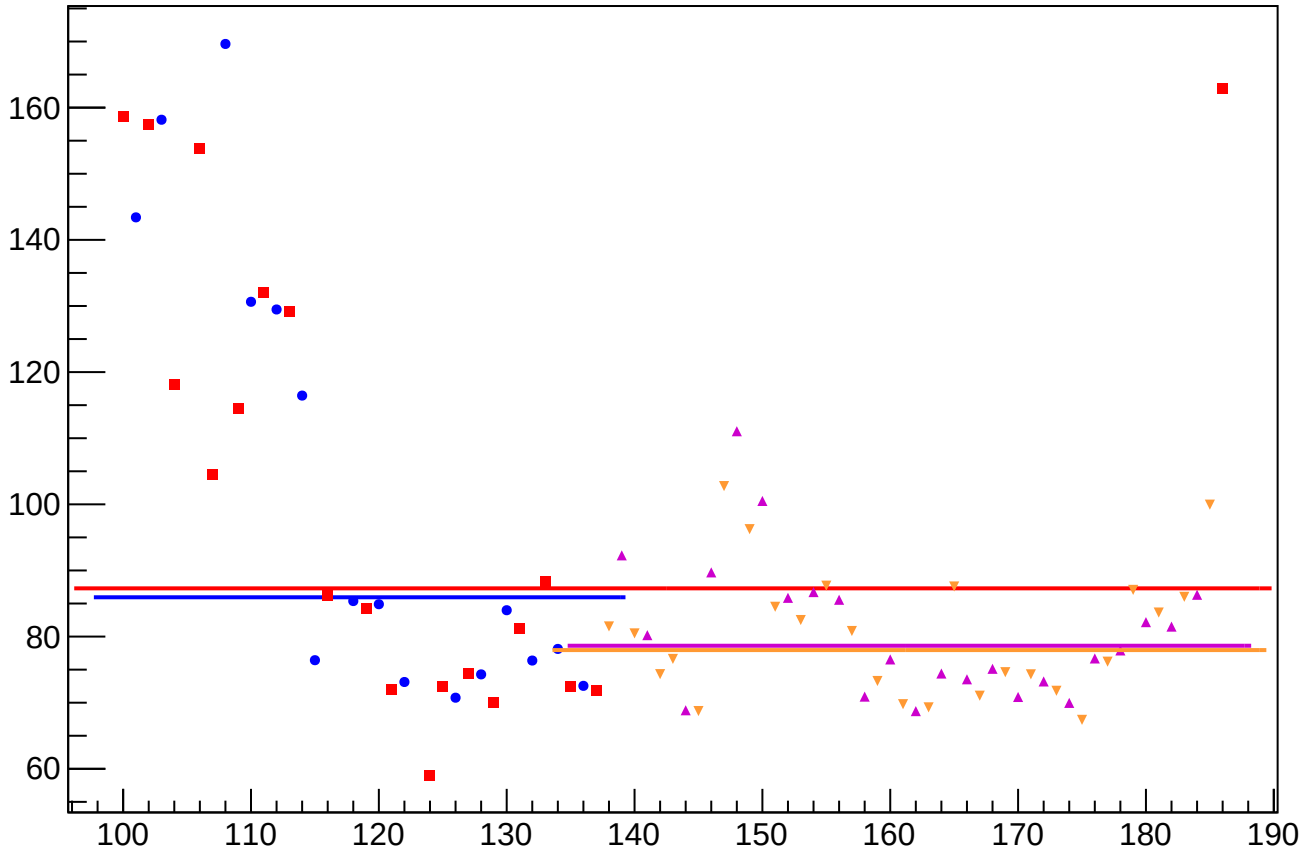
Right Out: 0.015+/-0.033 χ^2/NDF: 30.5/19

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.004+/-0.016 χ^2/NDF: 45.3/40

All: 0.003+/-0.011 χ^2/NDF: 94.9/83

- sign 0.001+/-0.016 χ^2/NDF: 49.6/42



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

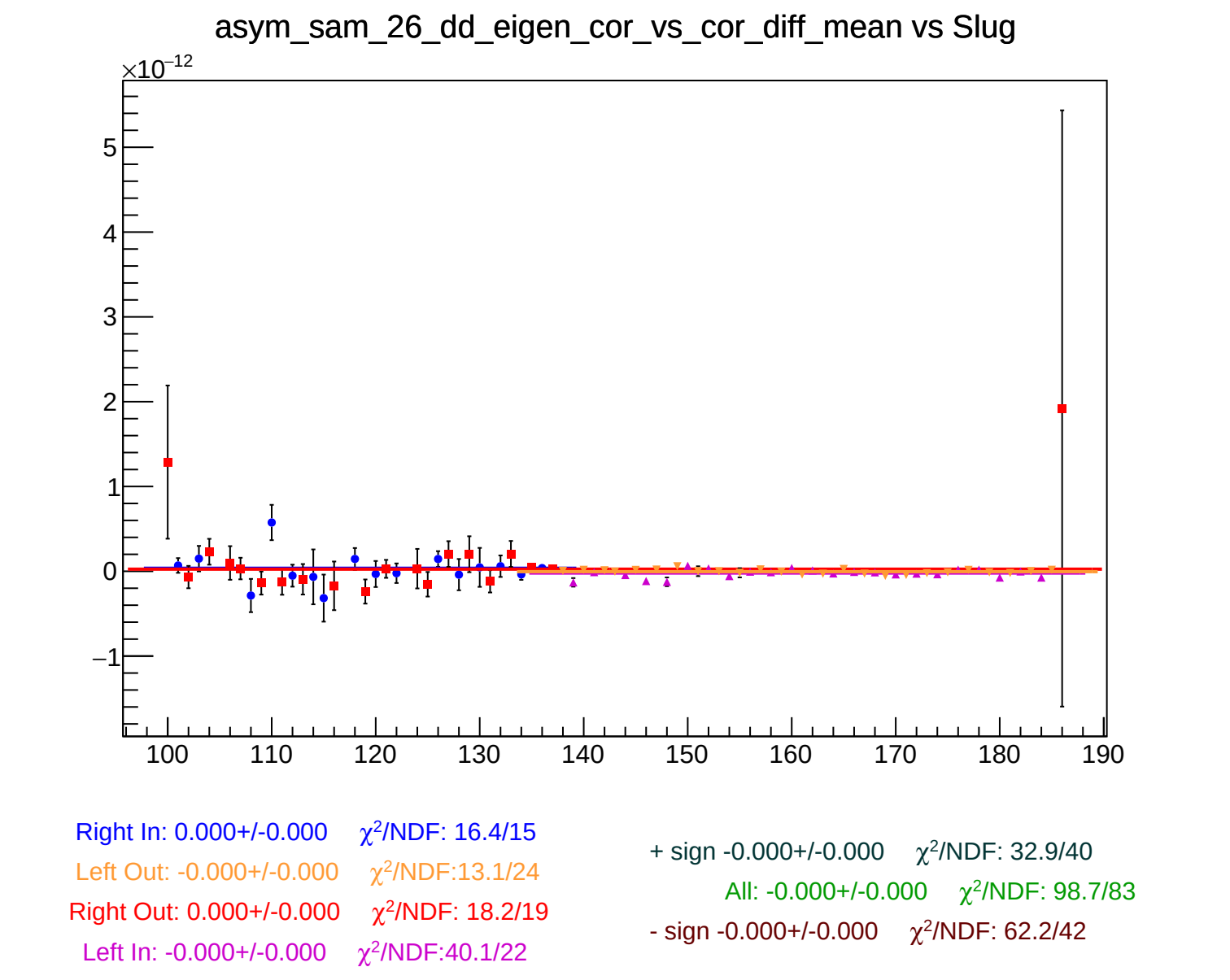
Right Out: 87.293+/-0.023 χ^2/NDF: 1164472.4/19

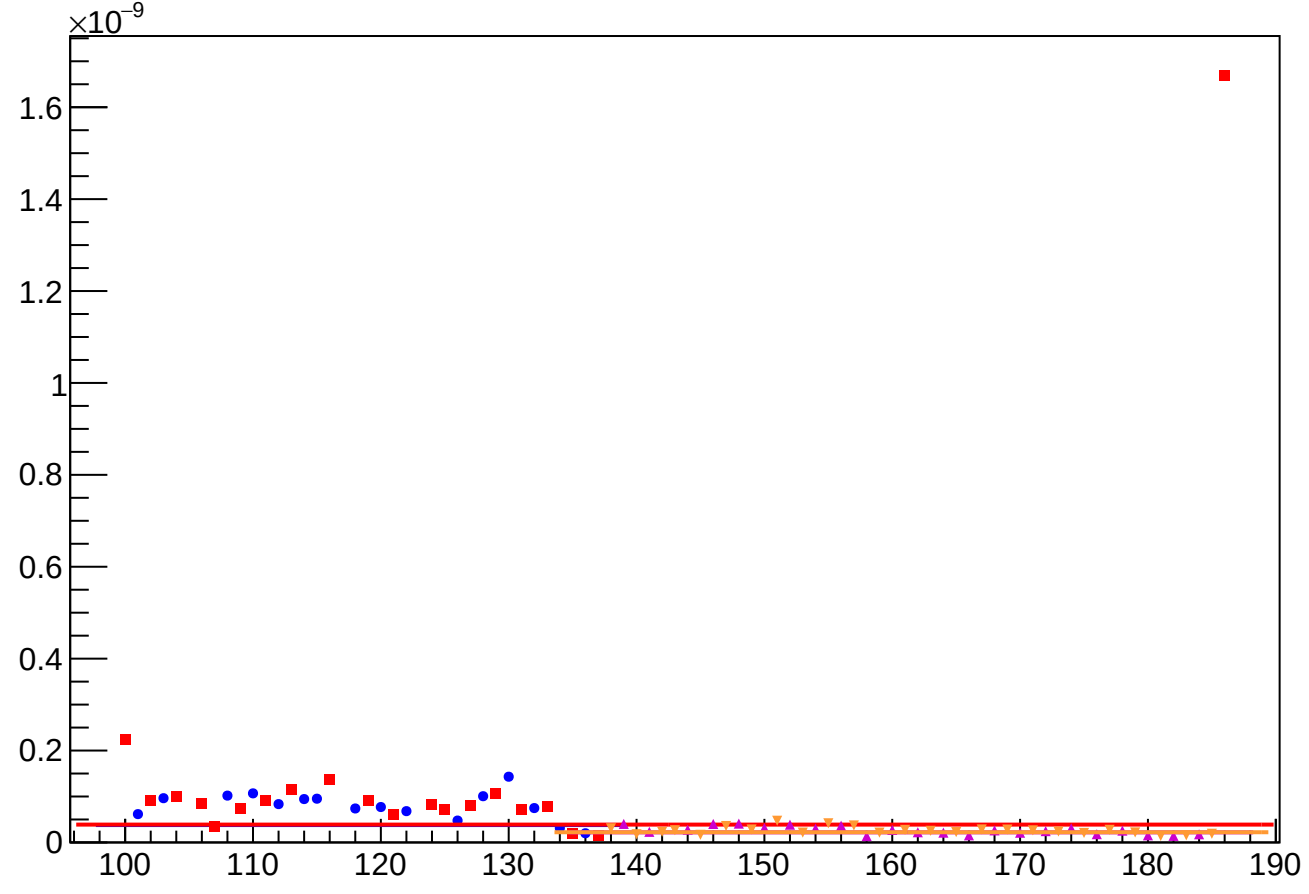
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 79.740+/-0.011 χ^2/NDF: 1564049.3/40

All: 80.222+/-0.008 χ^2/NDF: 3336784.4/83

- 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: 16.4/15
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: 32.9/40
All: -0.000+/-0.000 χ²/NDF: 98.7/83
- sign -0.000+/-0.000 χ²/NDF: 62.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4551948.8/19

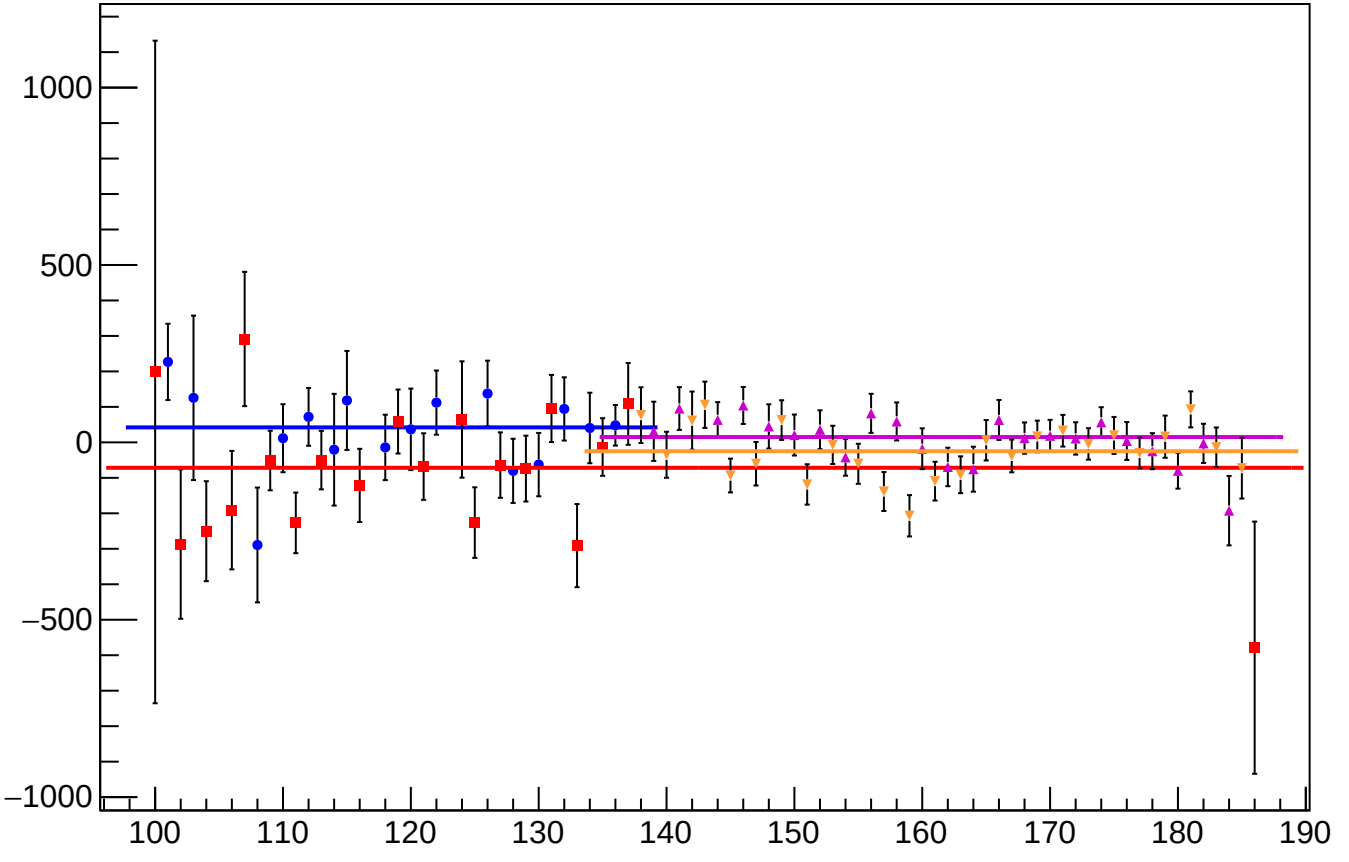
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6811945.3/40

All: 0.000+/-0.000 χ^2/NDF: 15231790.5/83

- sign 0.000+/-0.000 χ^2/NDF: 8418582.5/42

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -71.642+/-24.361 χ^2/NDF: 27.4/19

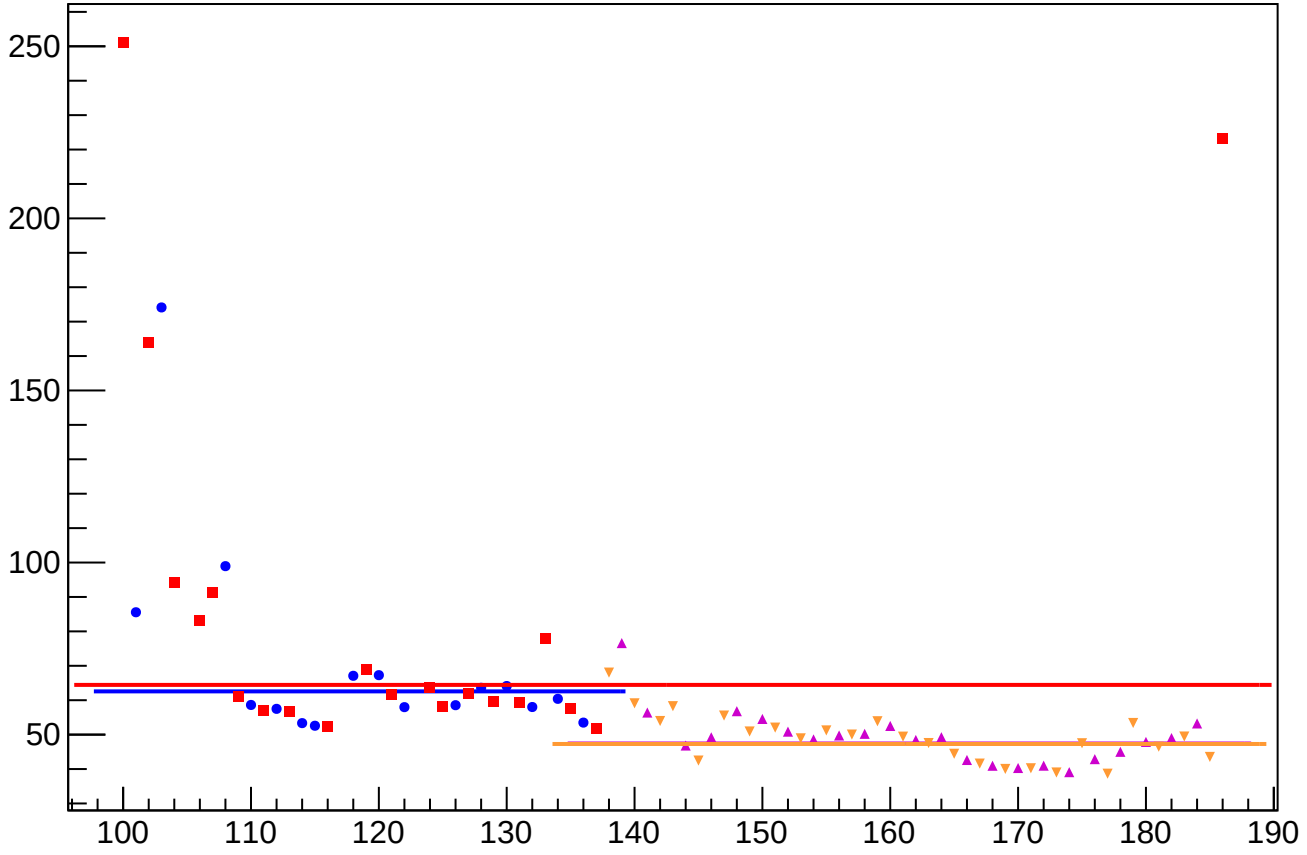
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.680+/-9.929 χ^2/NDF: 63.1/40

All: -7.096+/-7.111 χ^2/NDF: 126.5/83

- sign -0.163+/-10.189 χ^2/NDF: 62.6/42

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 64.448+/-0.017 χ^2/NDF: 1235114.8/19

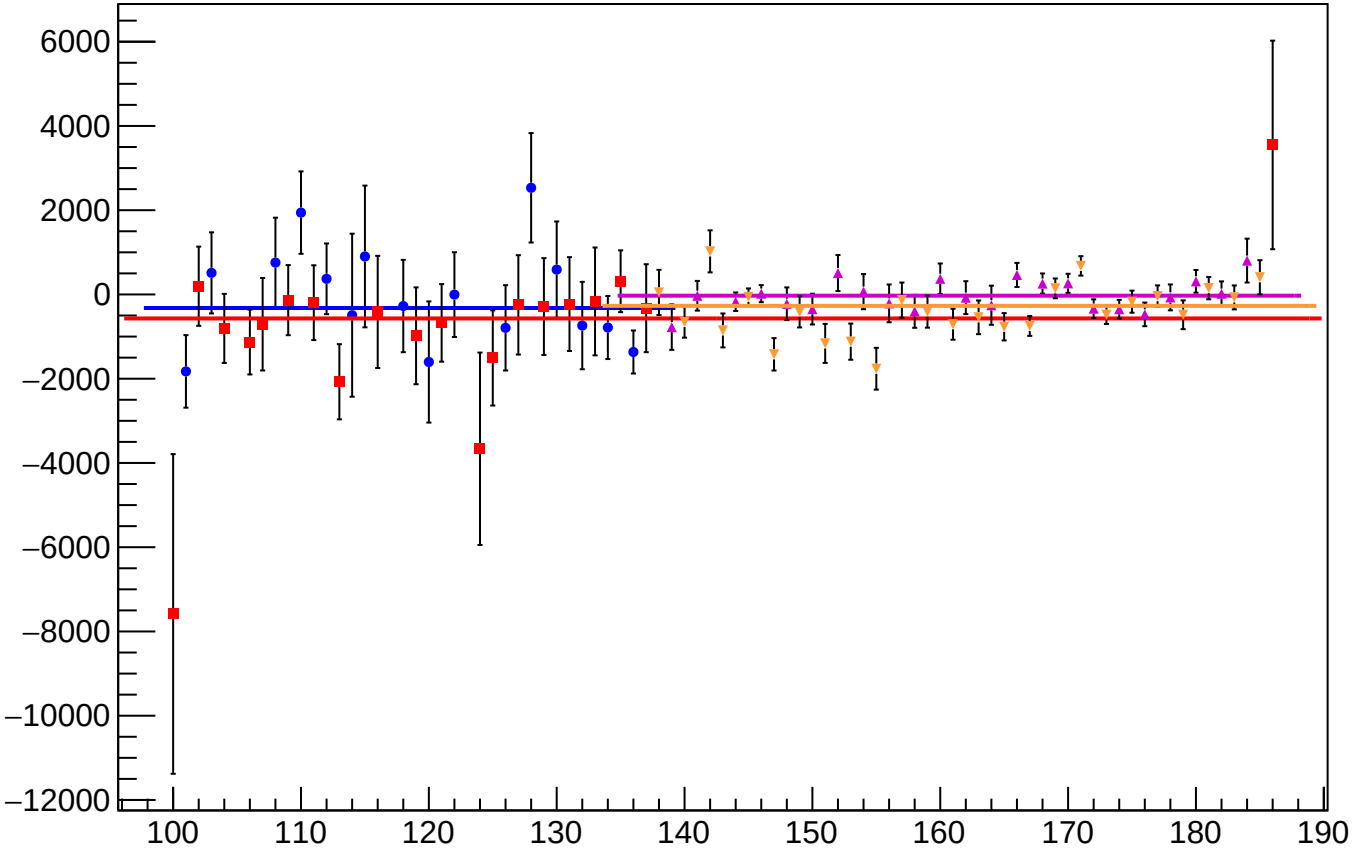
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 49.855+/-0.007 χ^2/NDF: 2138826.3/40

All: 50.122+/-0.005 χ^2/NDF: 4838435.9/83

- sign 50.403+/-0.007 χ^2/NDF: 2696637.4/42

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -569.185+/-232.609 χ^2/NDF: 15.3/19

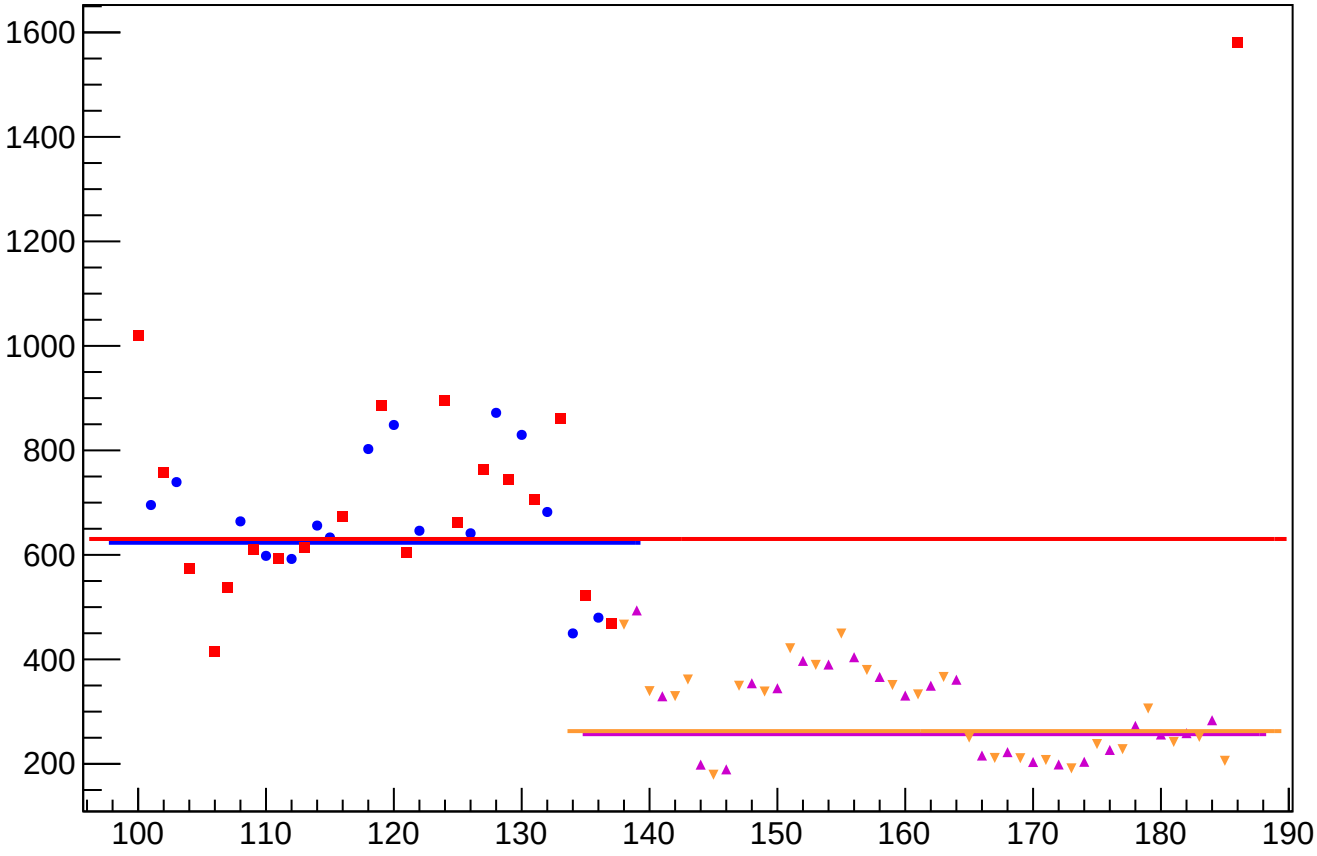
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -274.270+/-60.319 χ^2/NDF: 96.7/40

All: -170.343+/-42.720 χ^2/NDF: 147.3/83

- sign -65.745+/-60.513 χ^2/NDF: 44.7/42

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 630.436+/-0.164 χ^2/NDF: 879753.7/19

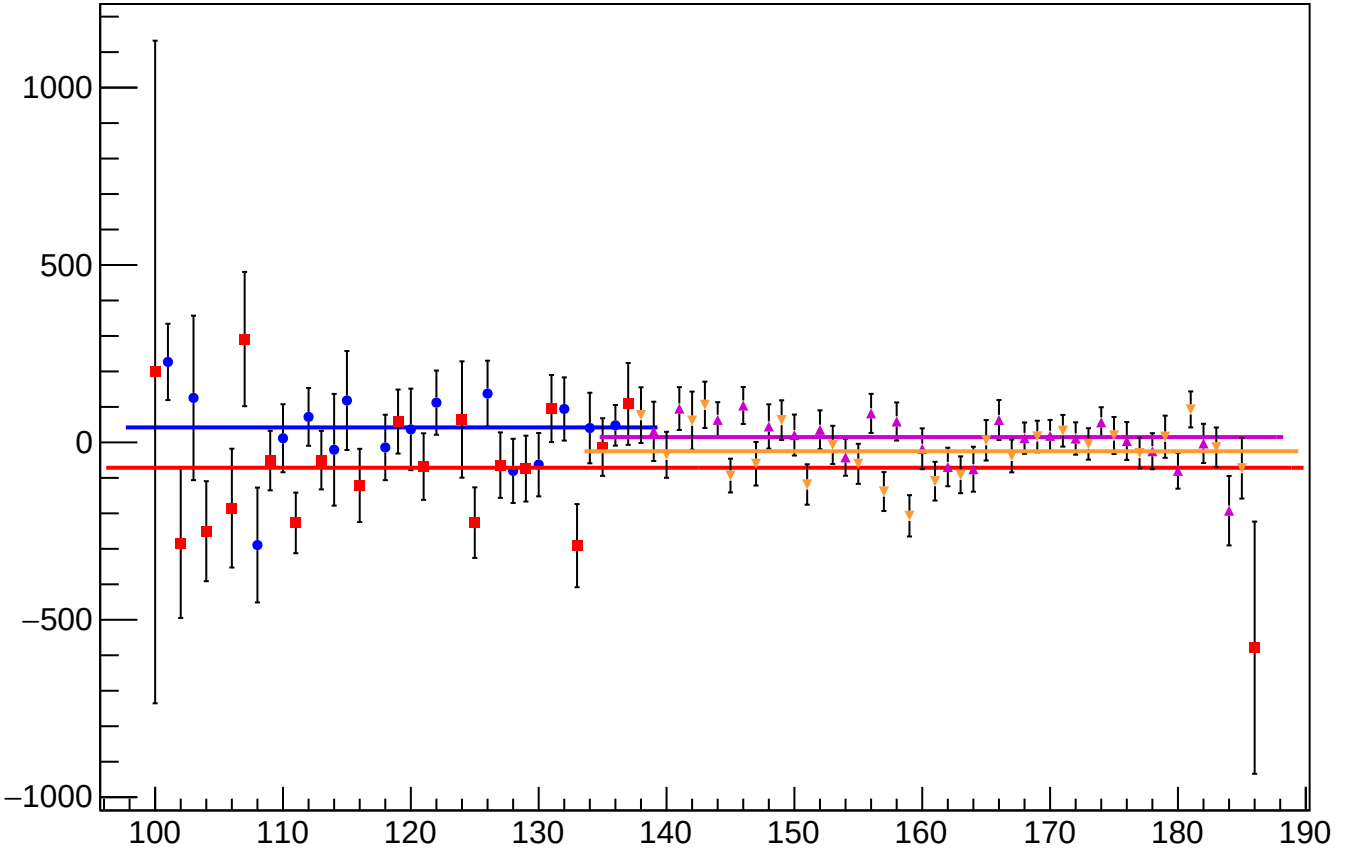
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 285.741+/-0.043 χ^2/NDF: 7736597.9/40

All: 283.939+/-0.030 χ^2/NDF: 16069097.9/83

- sign 282.126+/-0.043 χ^2/NDF: 8328919.6/42

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -71.461+/-24.362 χ^2/NDF: 27.3/19

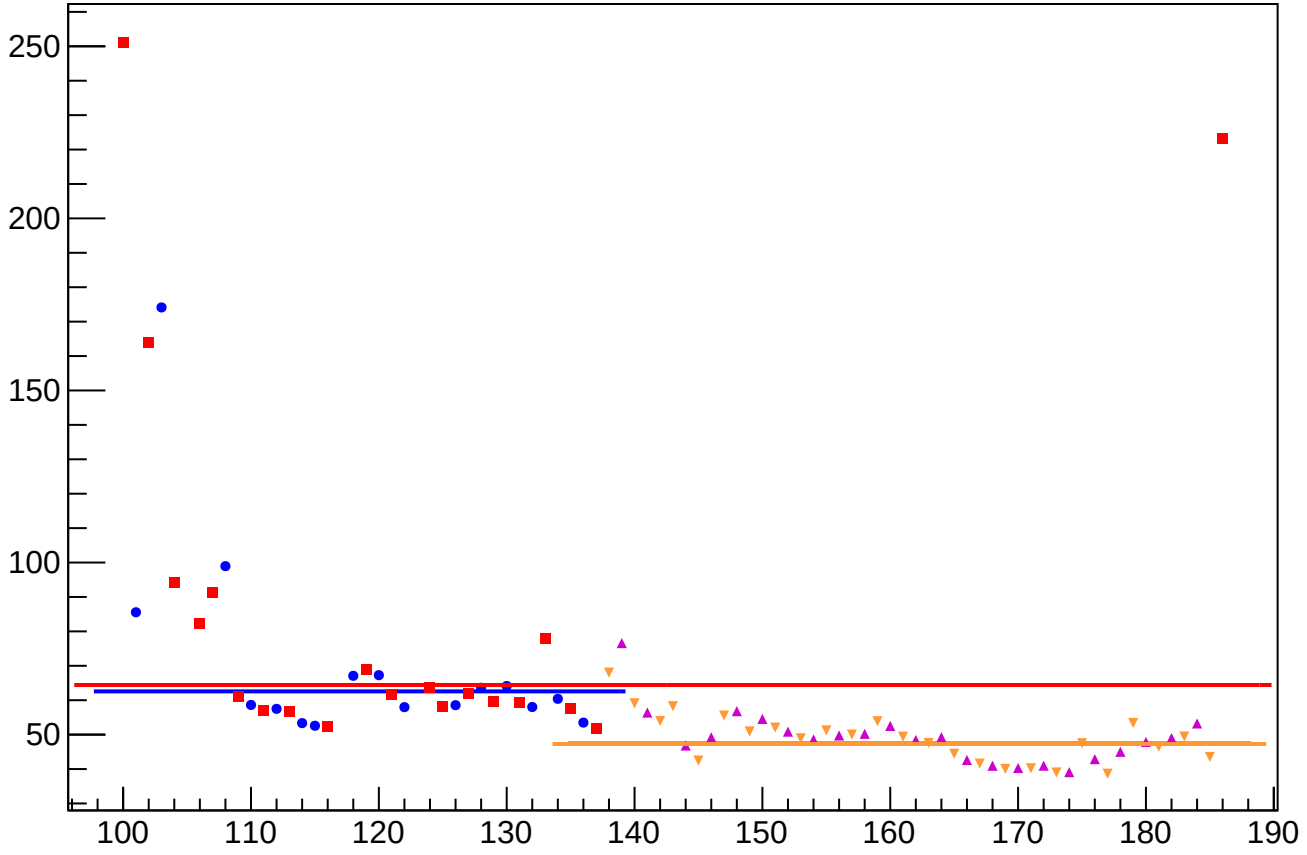
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.678+/-9.929 χ^2/NDF: 63.1/40

All: -7.080+/-7.111 χ^2/NDF: 126.4/83

- sign -0.132+/-10.190 χ^2/NDF: 62.4/42

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 64.425+/-0.017 χ^2/NDF: 1232488.2/19

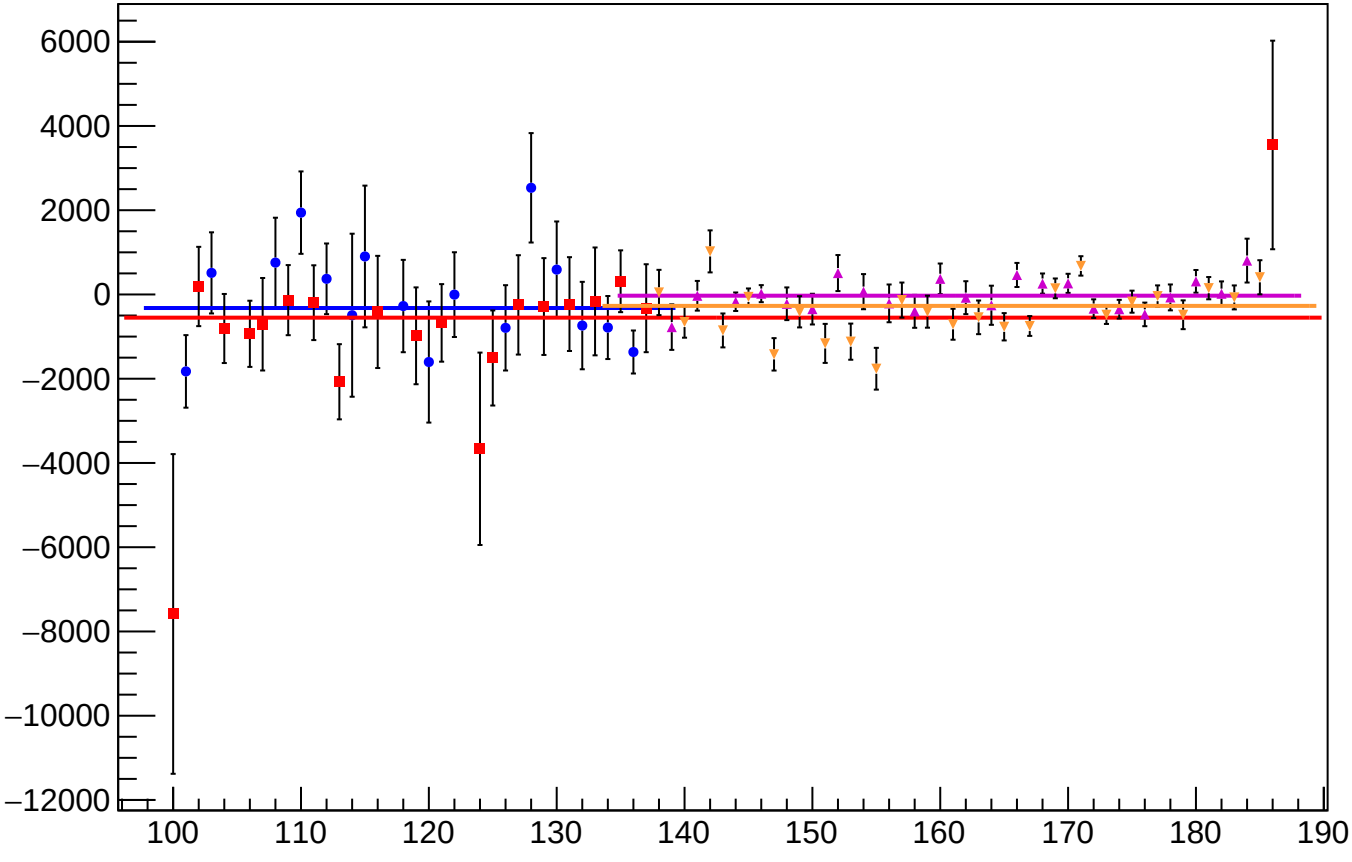
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 49.855+/-0.007 χ^2/NDF: 2138828.0/40

All: 50.120+/-0.005 χ^2/NDF: 4833418.0/83

- sign 50.399+/-0.007 χ^2/NDF: 2691666.3/42

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -550.574+/-233.040 χ^2/NDF: 14.9/19

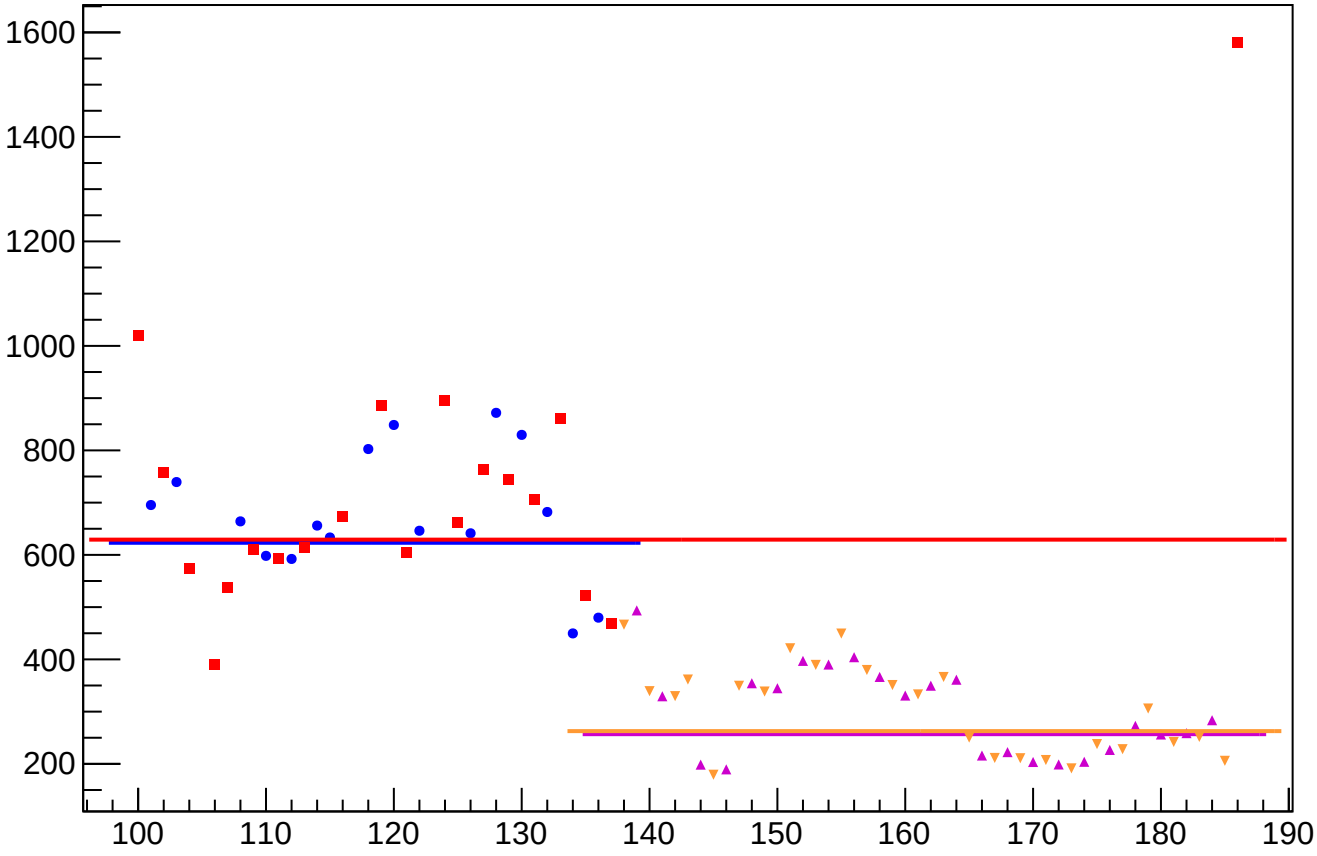
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -274.266+/-60.319 χ^2/NDF: 96.7/40

All: -169.666+/-42.723 χ^2/NDF: 146.7/83

- sign -64.365+/-60.520 χ^2/NDF: 44.0/42

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 629.177+/-0.165 χ^2/NDF: 908483.9/19

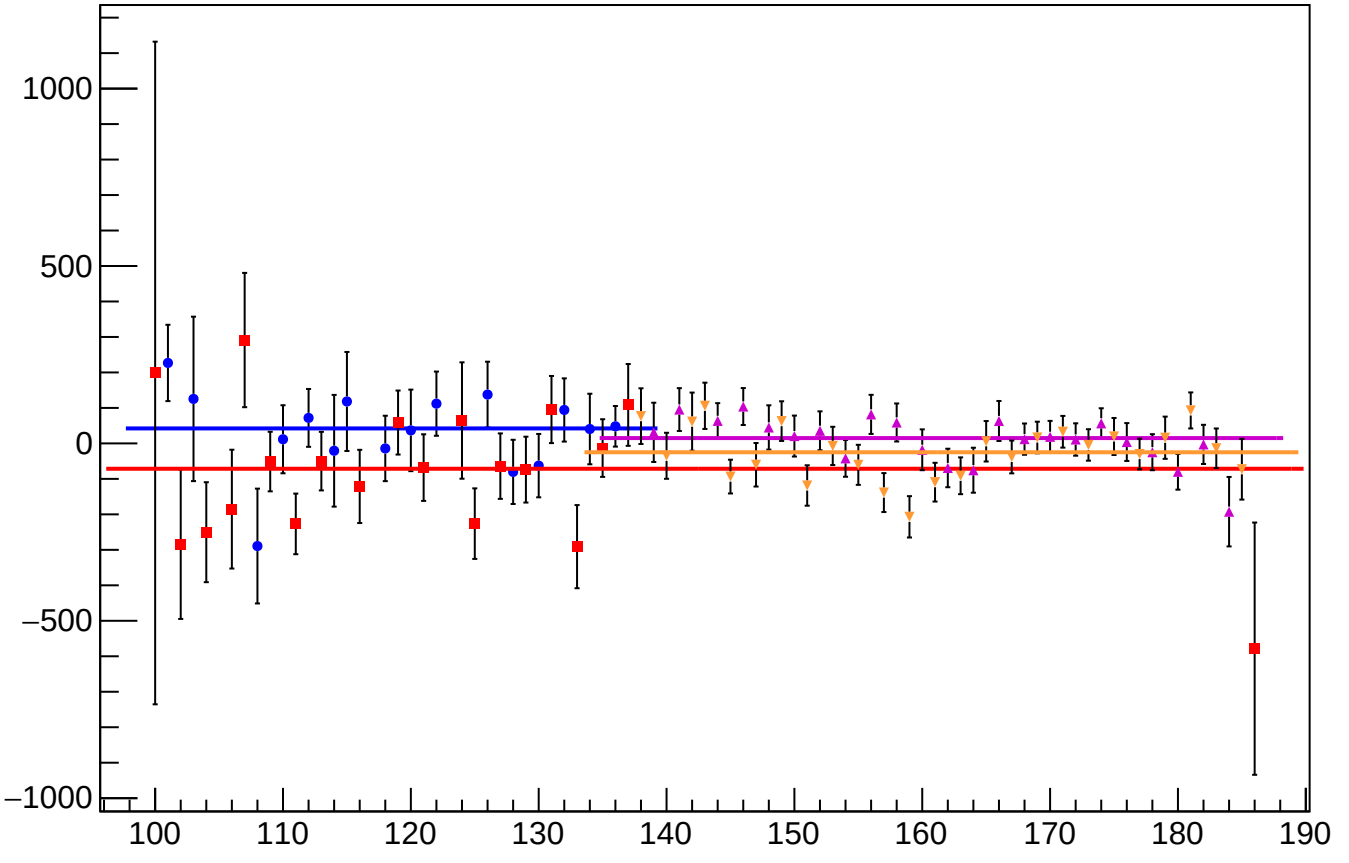
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 285.741+/-0.043 χ^2/NDF: 7736651.7/40

All: 283.854+/-0.030 χ^2/NDF: 16049396.0/83

- sign 281.954+/-0.043 χ^2/NDF: 8308815.9/42

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -71.461+/-24.362 χ^2/NDF: 27.3/19

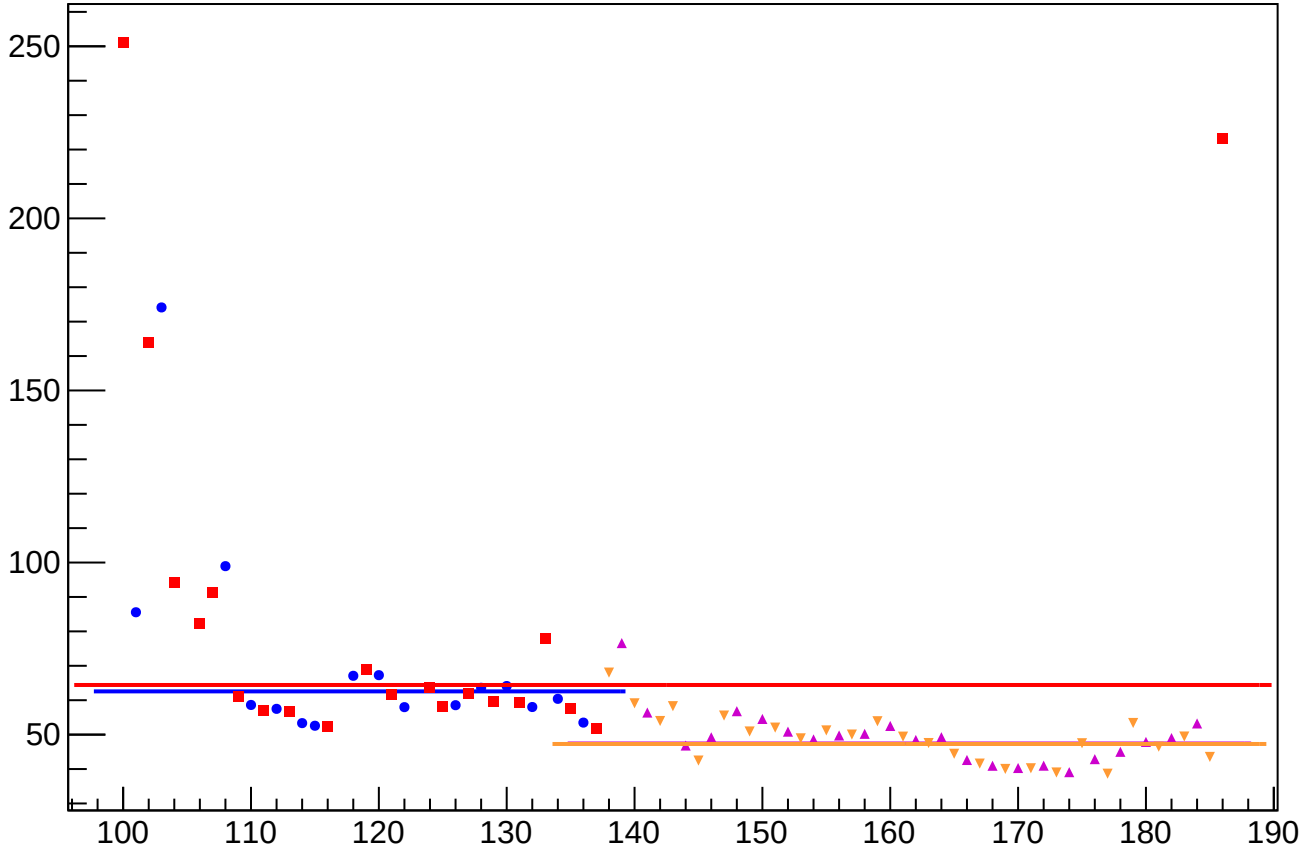
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.678+/-9.929 χ^2/NDF: 63.1/40

All: -7.080+/-7.111 χ^2/NDF: 126.4/83

- sign -0.132+/-10.190 χ^2/NDF: 62.4/42

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

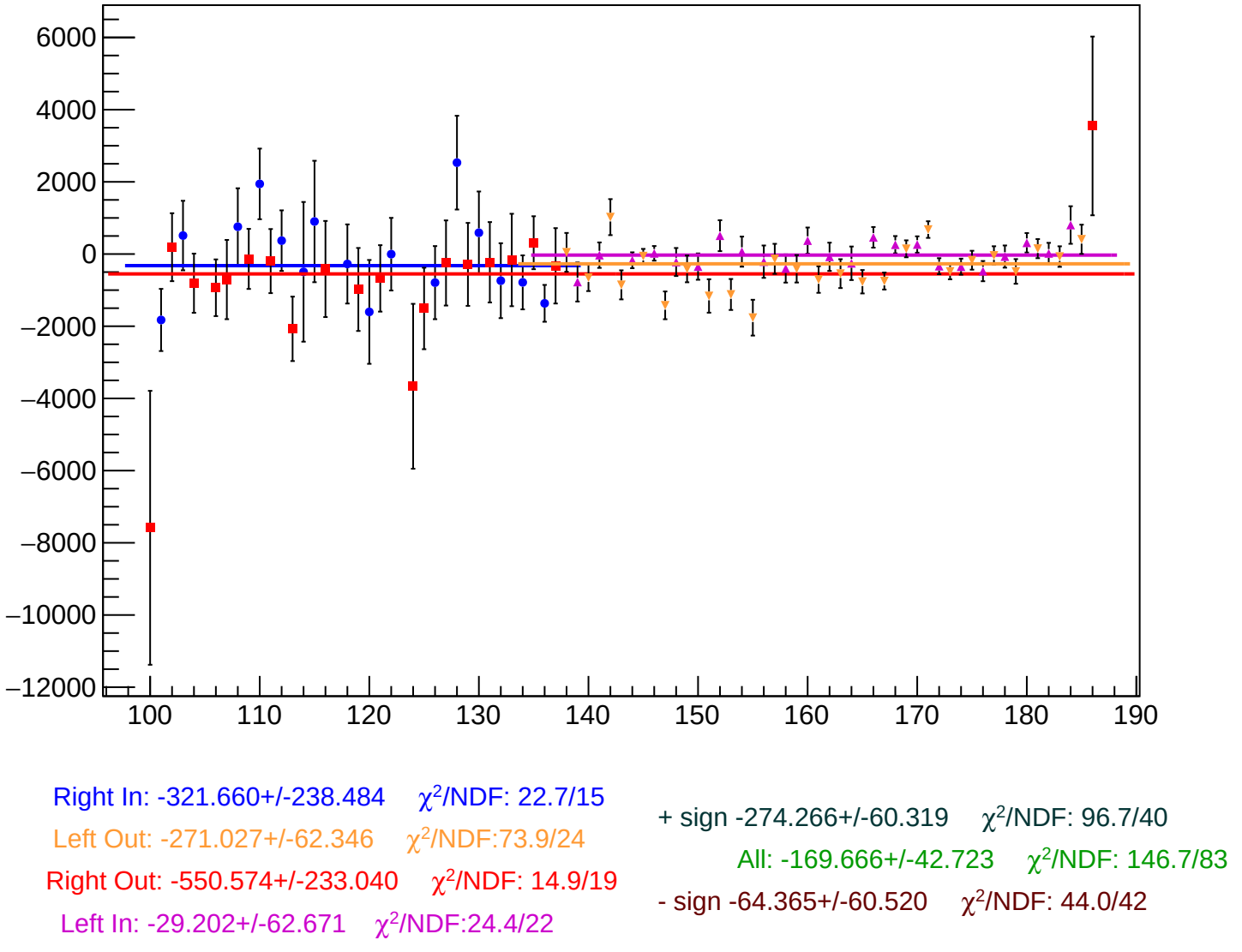
Right Out: 64.425+/-0.017 χ^2/NDF: 1232488.2/19

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

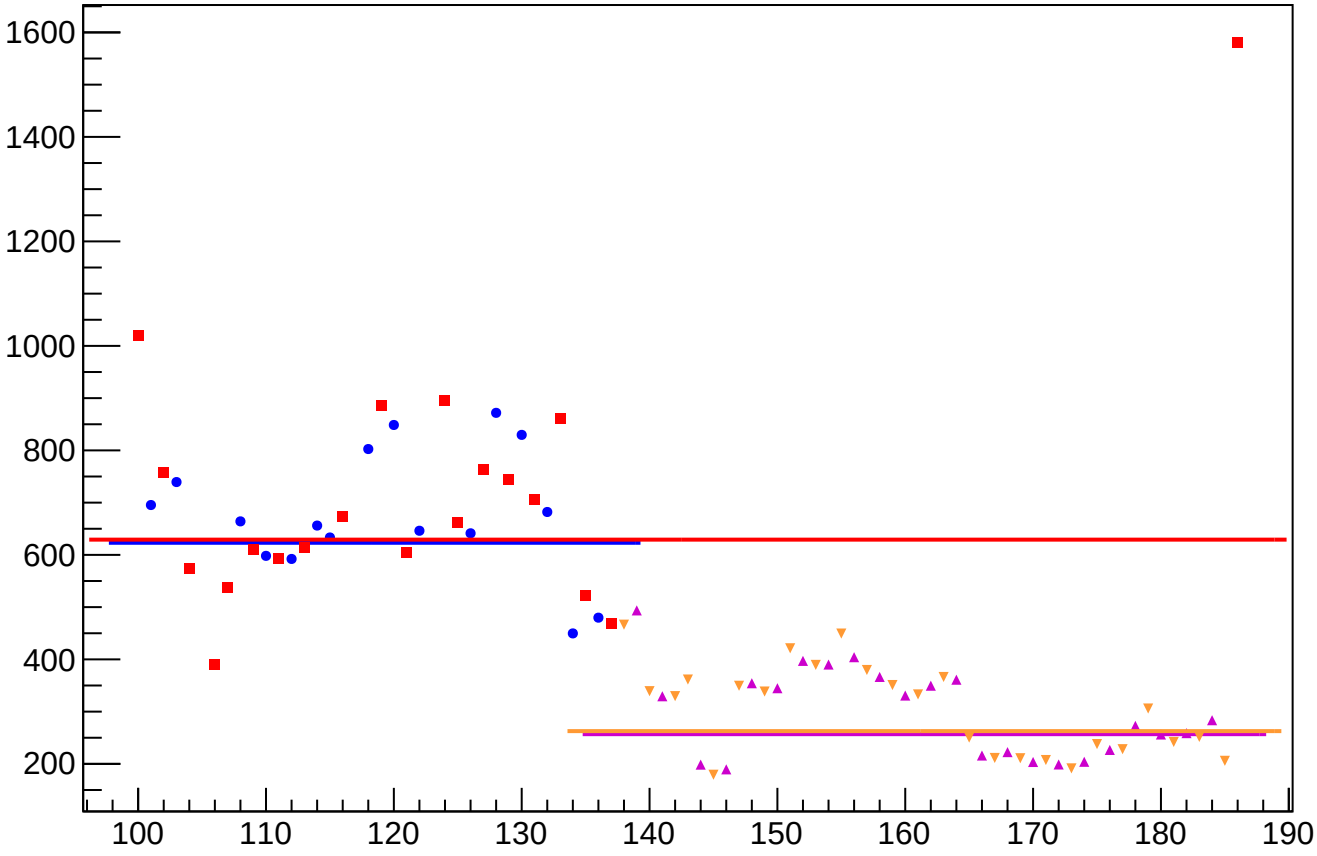
+ sign 49.855+/-0.007 χ^2/NDF: 2138828.0/40

All: 50.120+/-0.005 χ^2/NDF: 4833418.0/83

- sign 50.399+/-0.007 χ^2/NDF: 2691666.3/42


asym_sam_37_dd_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: -321.660+/-238.484 χ²/NDF: 22.7/15
Left Out: -271.027+/-62.346 χ²/NDF:73.9/24
Right Out: -550.574+/-233.040 χ²/NDF: 14.9/19
Left In: -29.202+/-62.671 χ²/NDF:24.4/22
+ sign -274.266+/-60.319 χ²/NDF: 96.7/40
All: -169.666+/-42.723 χ²/NDF: 146.7/83
- sign -64.365+/-60.520 χ²/NDF: 44.0/42

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 629.177+/-0.165 χ^2/NDF: 908483.9/19

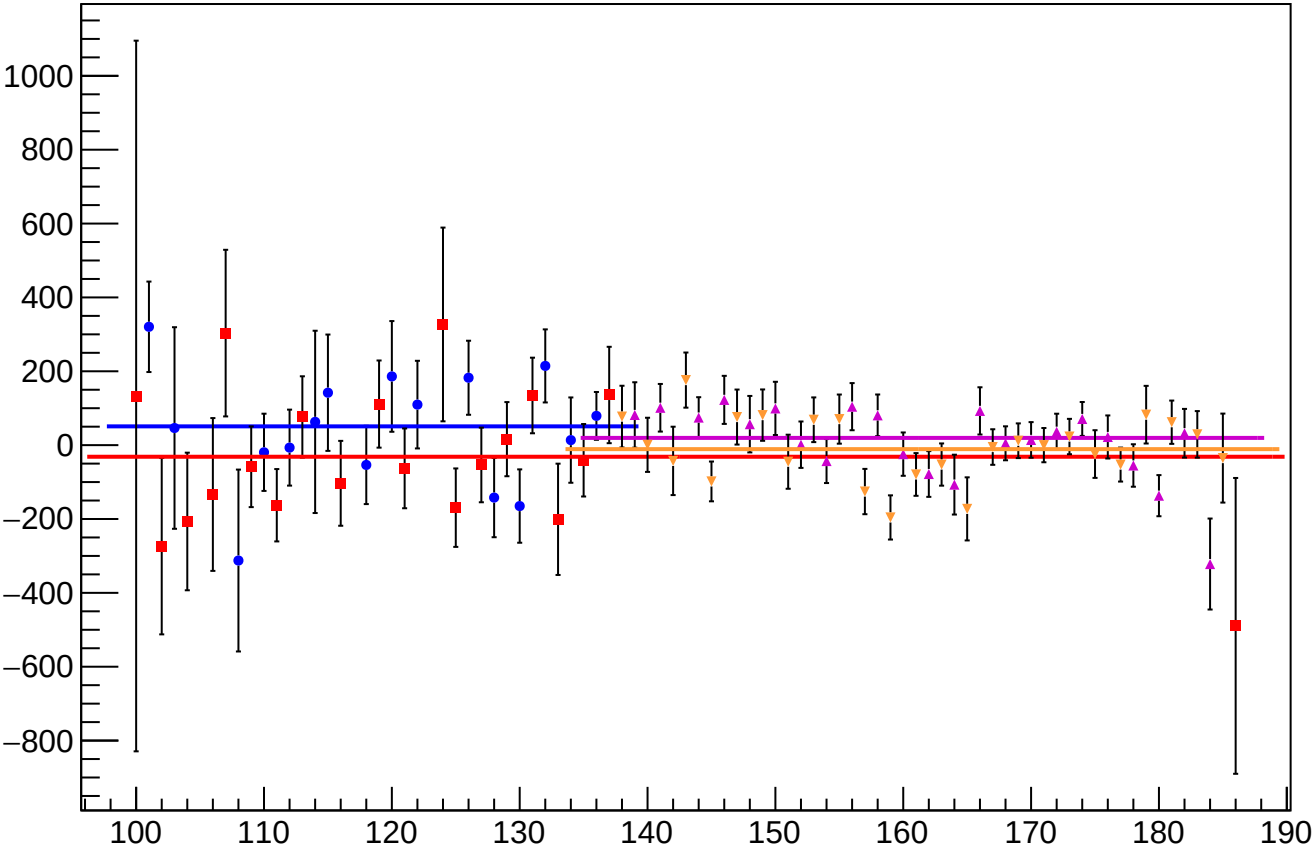
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 285.741+/-0.043 χ^2/NDF: 7736651.7/40

All: 283.854+/-0.030 χ^2/NDF: 16049396.0/83

- sign 281.954+/-0.043 χ^2/NDF: 8308815.9/42

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -31.426+/-28.835 χ^2/NDF: 19.8/19

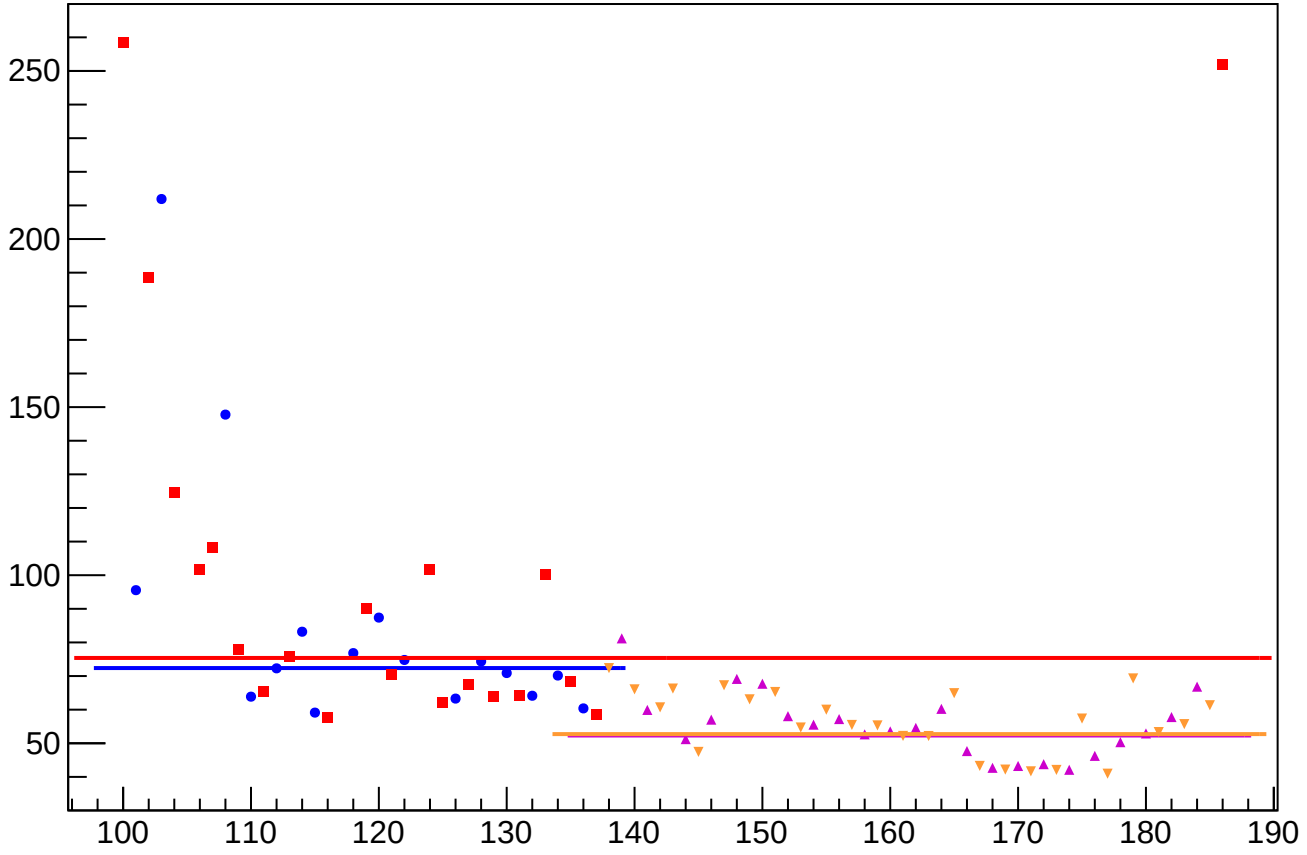
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -1.027+/-11.286 χ^2/NDF: 67.3/40

All: 5.105+/-8.057 χ^2/NDF: 127.1/83

- sign 11.476+/-11.504 χ^2/NDF: 59.2/42

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 75.383+/-0.020 χ^2/NDF: 1443056.5/19

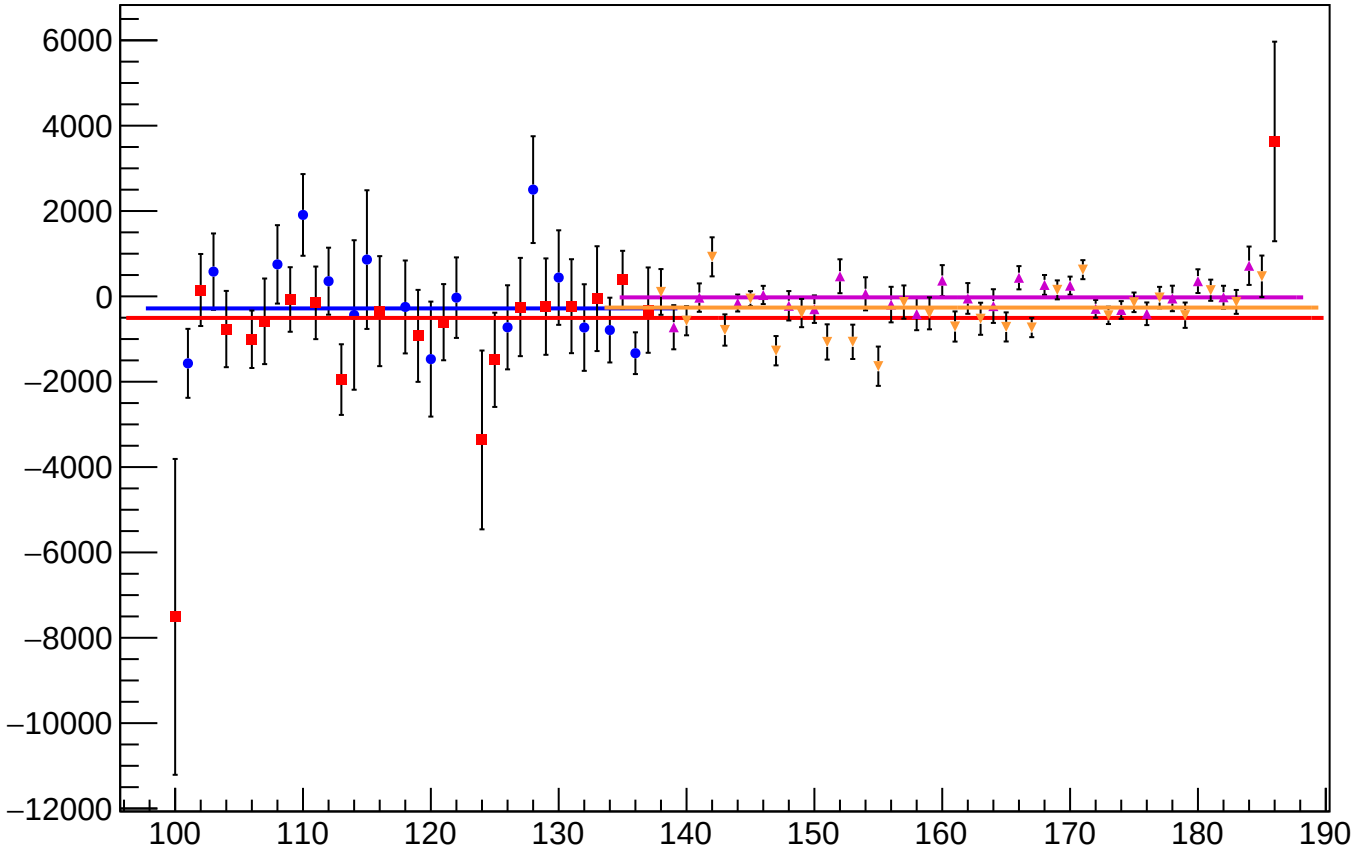
Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 55.852+/-0.008 χ^2/NDF: 2915233.0/40

All: 55.918+/-0.006 χ^2/NDF: 6326706.2/83

- sign 55.986+/-0.008 χ^2/NDF: 3411335.6/42

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -505.113+/-219.925 χ^2/NDF: 16.4/19

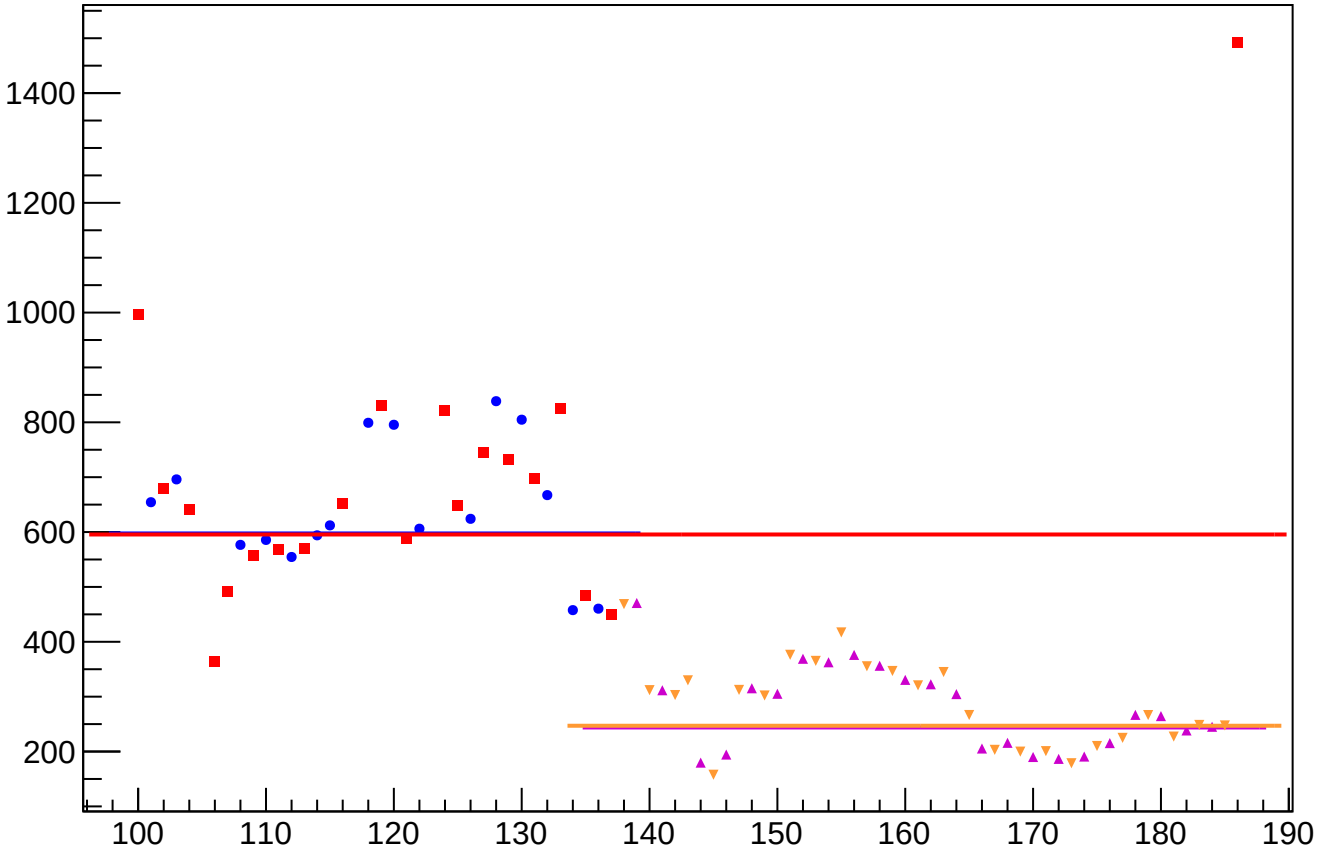
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -263.785+/-56.662 χ^2/NDF: 95.0/40

All: -161.237+/-40.304 χ^2/NDF: 146.7/83

- sign -56.213+/-57.342 χ^2/NDF: 45.1/42

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 595.568+/-0.156 χ^2/NDF: 985719.8/19

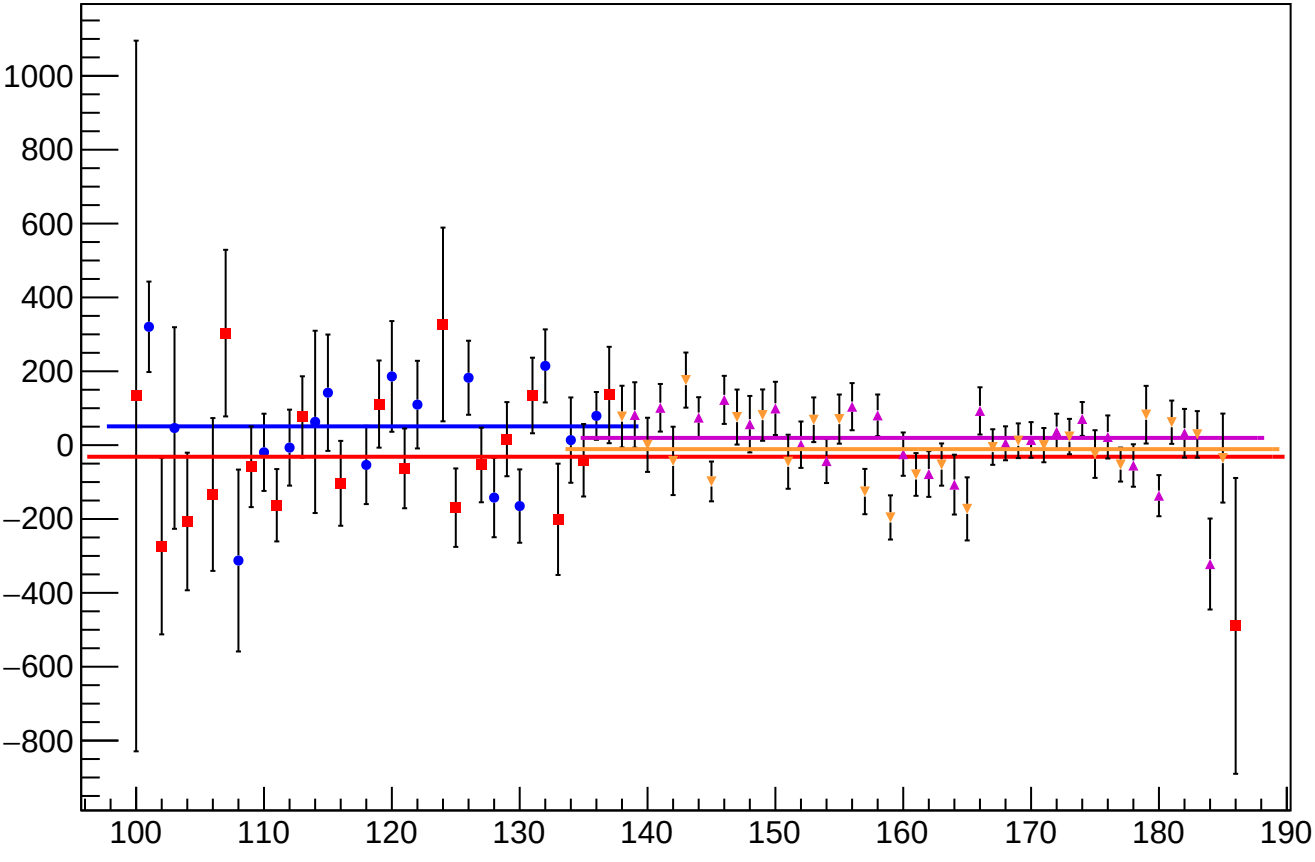
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 268.679+/-0.040 χ^2/NDF: 7900249.6/40

All: 268.214+/-0.028 χ^2/NDF: 16145017.7/83

- sign 267.738+/-0.041 χ^2/NDF: 8244495.2/42

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: -31.424+/-28.835 χ^2/NDF: 19.8/19

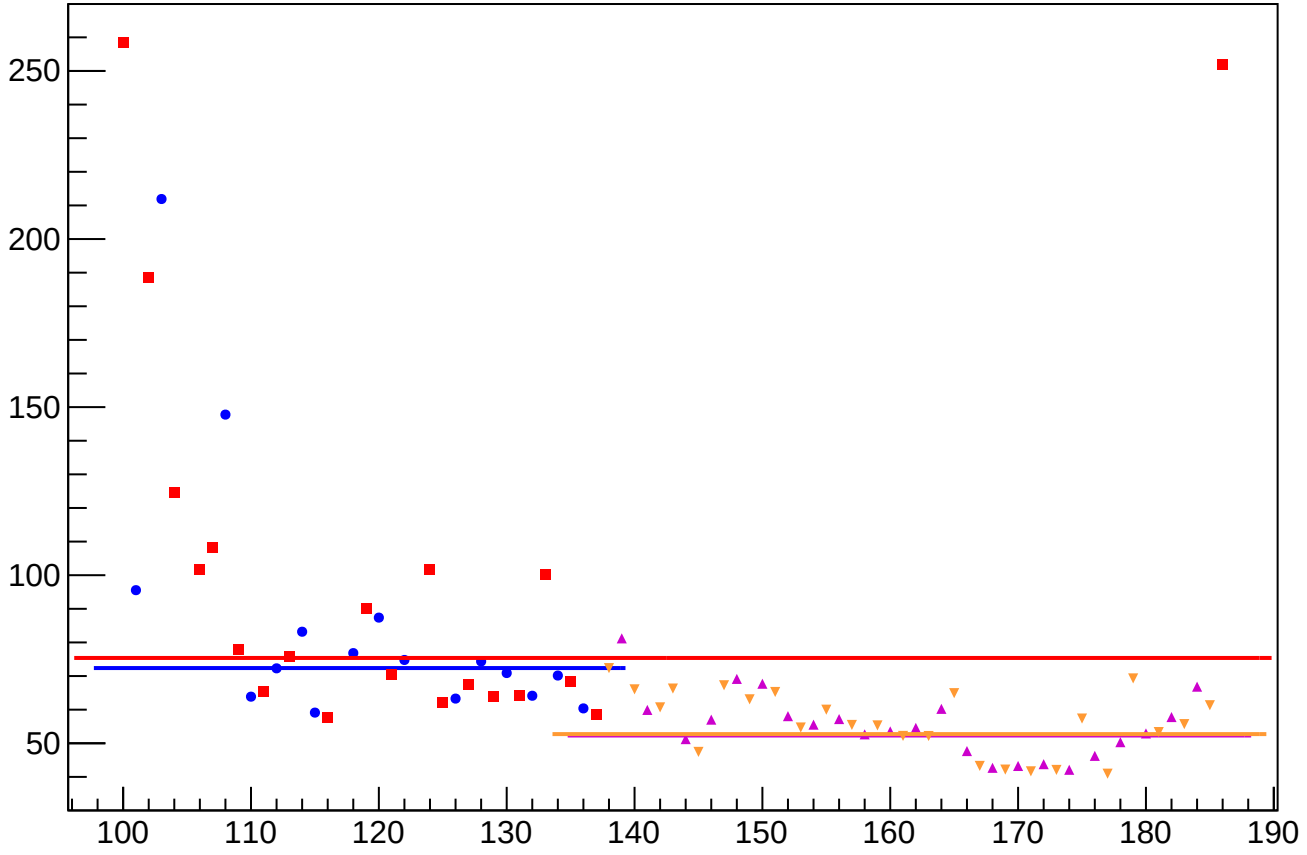
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -1.026+/-11.286 χ^2/NDF: 67.3/40

All: 5.106+/-8.057 χ^2/NDF: 127.1/83

- sign 11.476+/-11.504 χ^2/NDF: 59.2/42

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

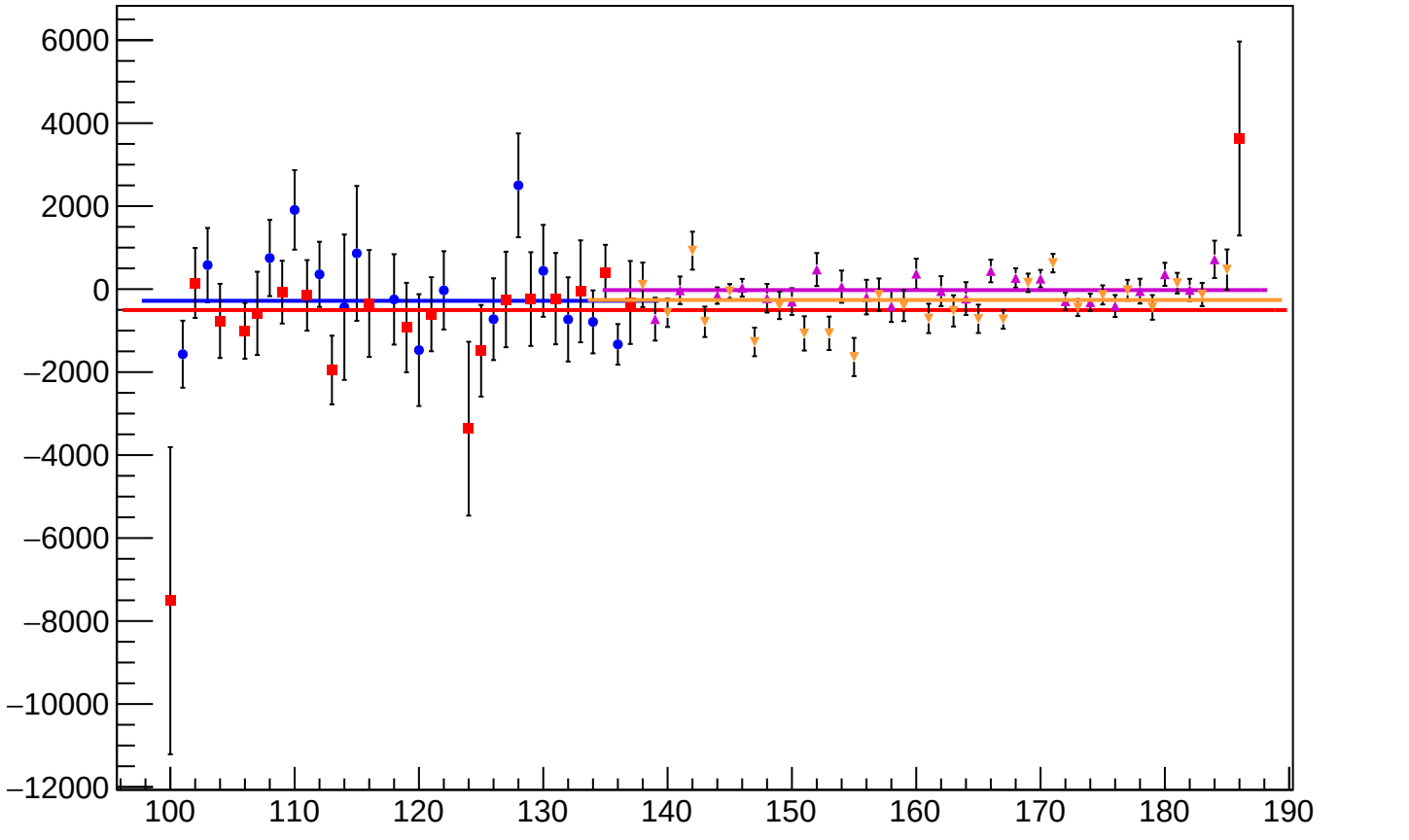
Right Out: 75.383+/-0.020 χ^2/NDF: 1443051.4/19

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 55.852+/-0.008 χ^2/NDF: 2915250.6/40

All: 55.918+/-0.006 χ^2/NDF: 6326716.7/83

- sign 55.986+/-0.008 χ^2/NDF: 3411328.4/42



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -505.114+/-219.925 χ^2/NDF: 16.4/19

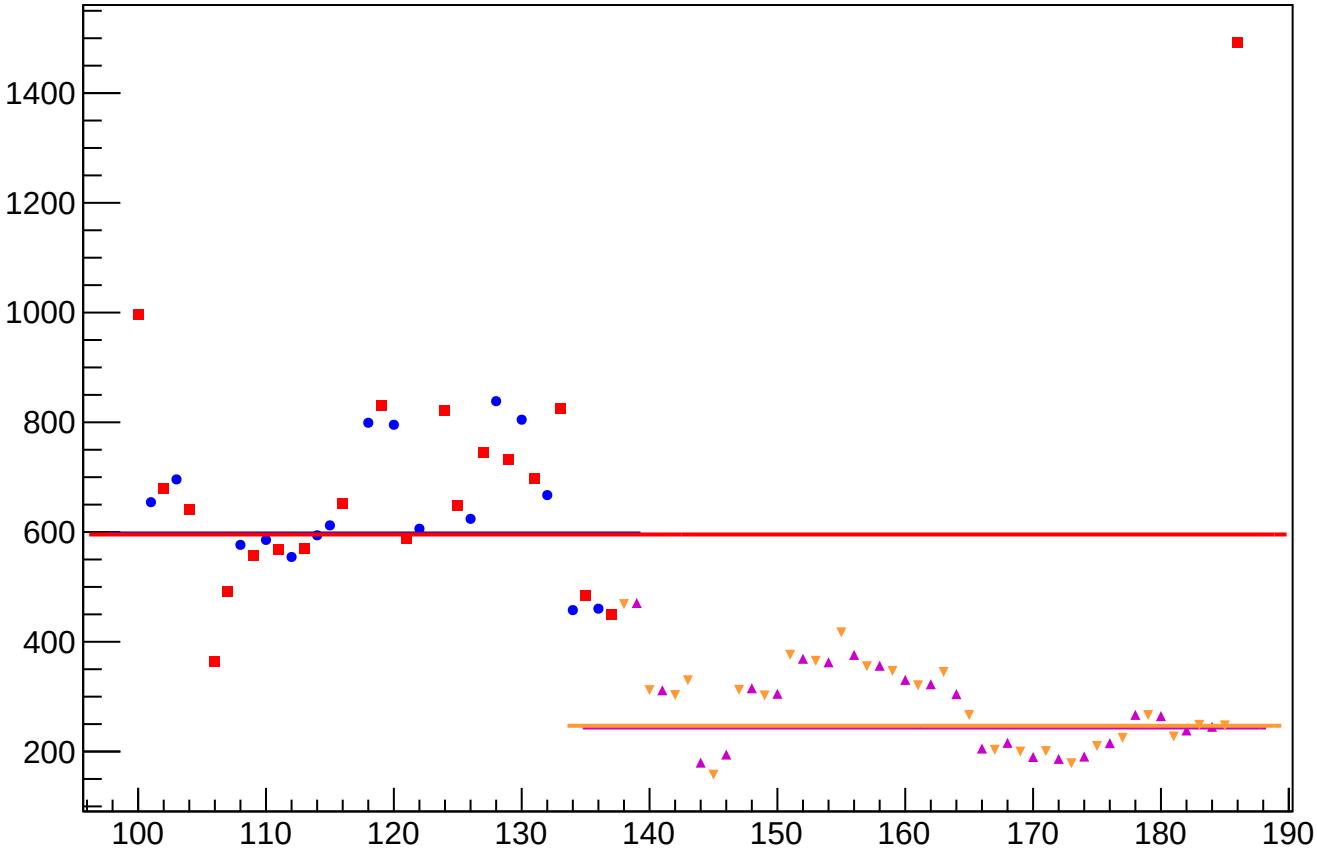
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -263.786+/-56.662 χ^2/NDF: 95.0/40

All: -161.237+/-40.304 χ^2/NDF: 146.7/83

- sign -56.212+/-57.342 χ^2/NDF: 45.1/42

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 595.568+/-0.156 χ^2/NDF: 985717.1/19

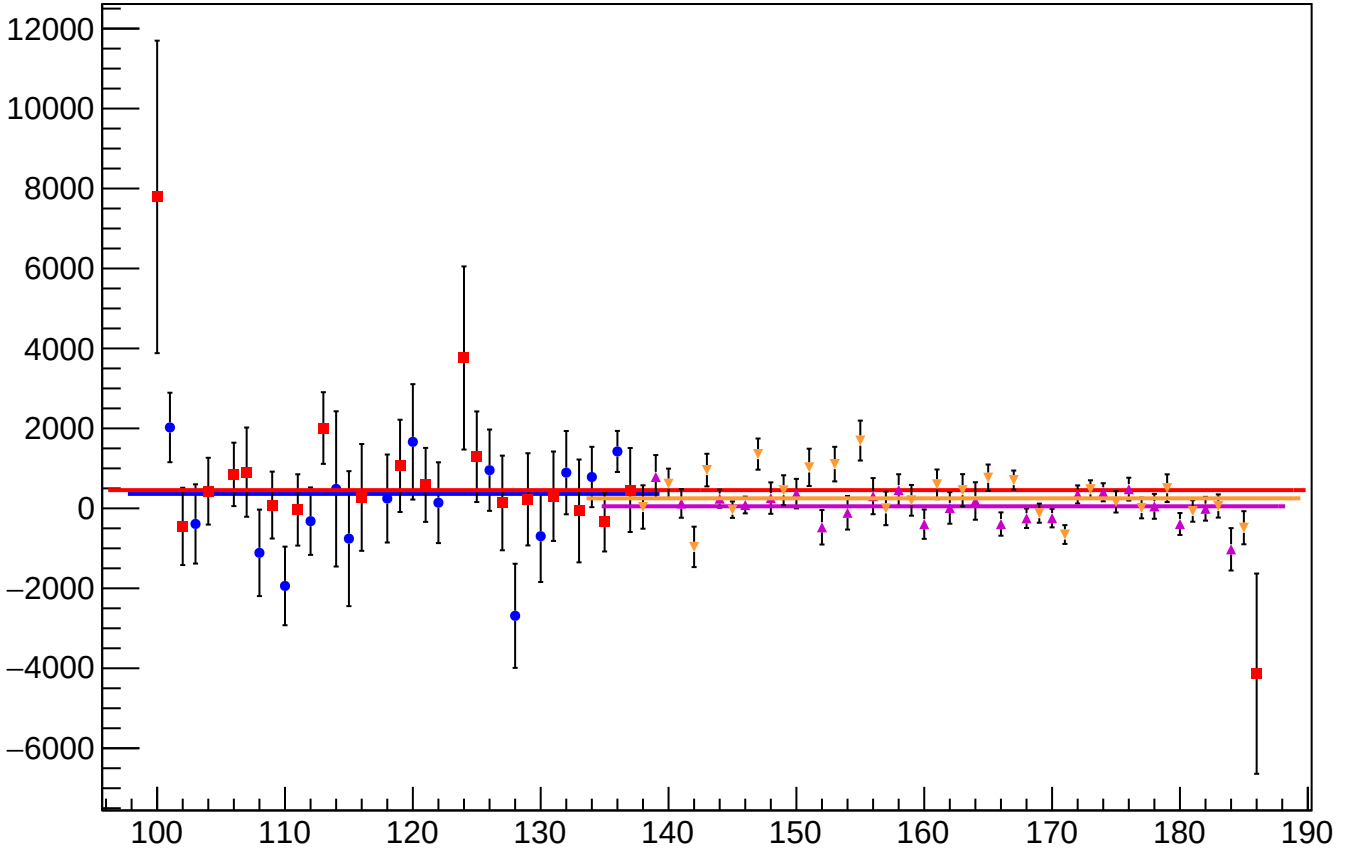
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 268.679+/-0.040 χ^2/NDF: 7900242.3/40

All: 268.214+/-0.028 χ^2/NDF: 16145003.8/83

- sign 267.737+/-0.041 χ^2/NDF: 8244488.4/42

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 455.860+/-234.987 χ^2/NDF: 16.1/19

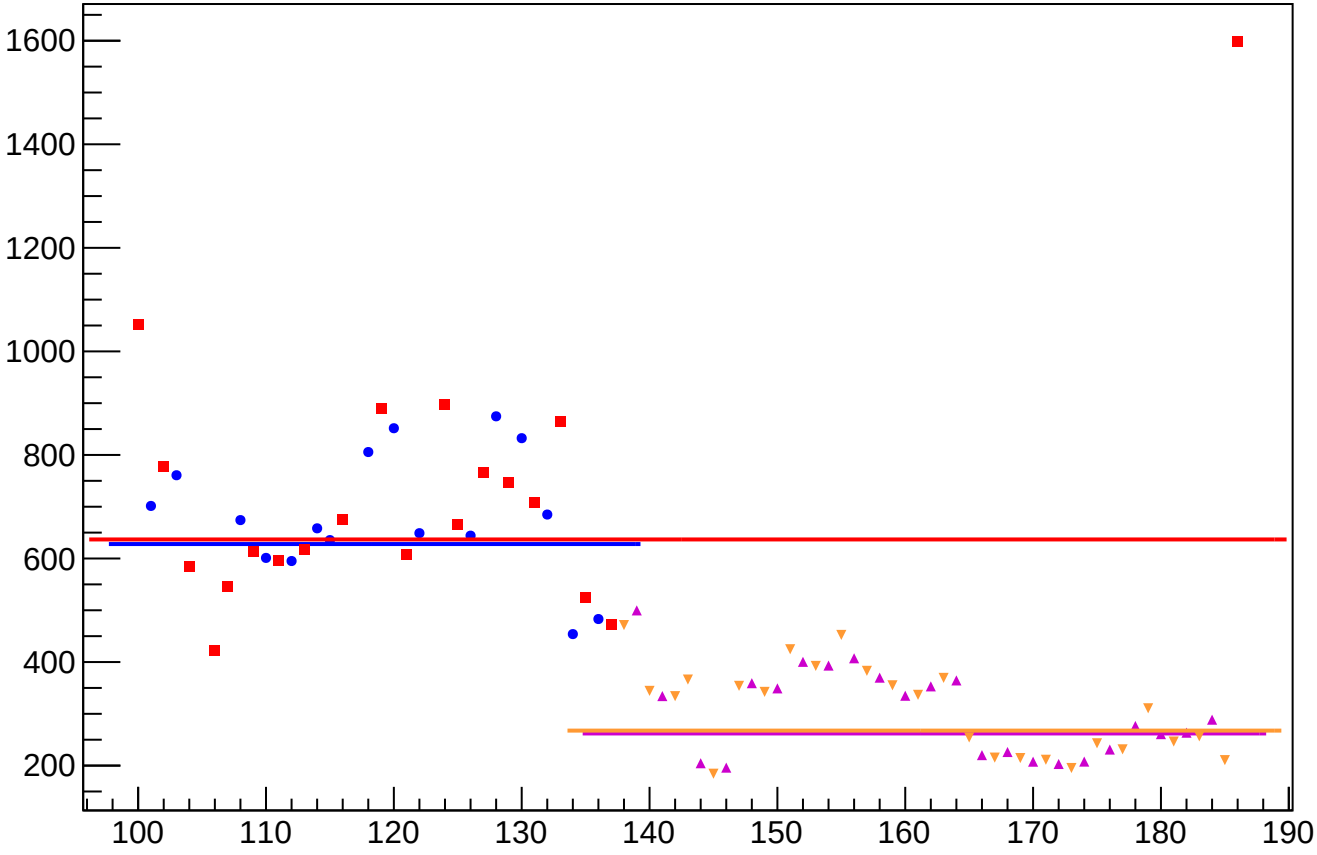
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 258.356+/-61.324 χ^2/NDF: 92.8/40

All: 169.339+/-43.463 χ^2/NDF: 142.7/83

- sign 79.489+/-61.610 χ^2/NDF: 45.6/42

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

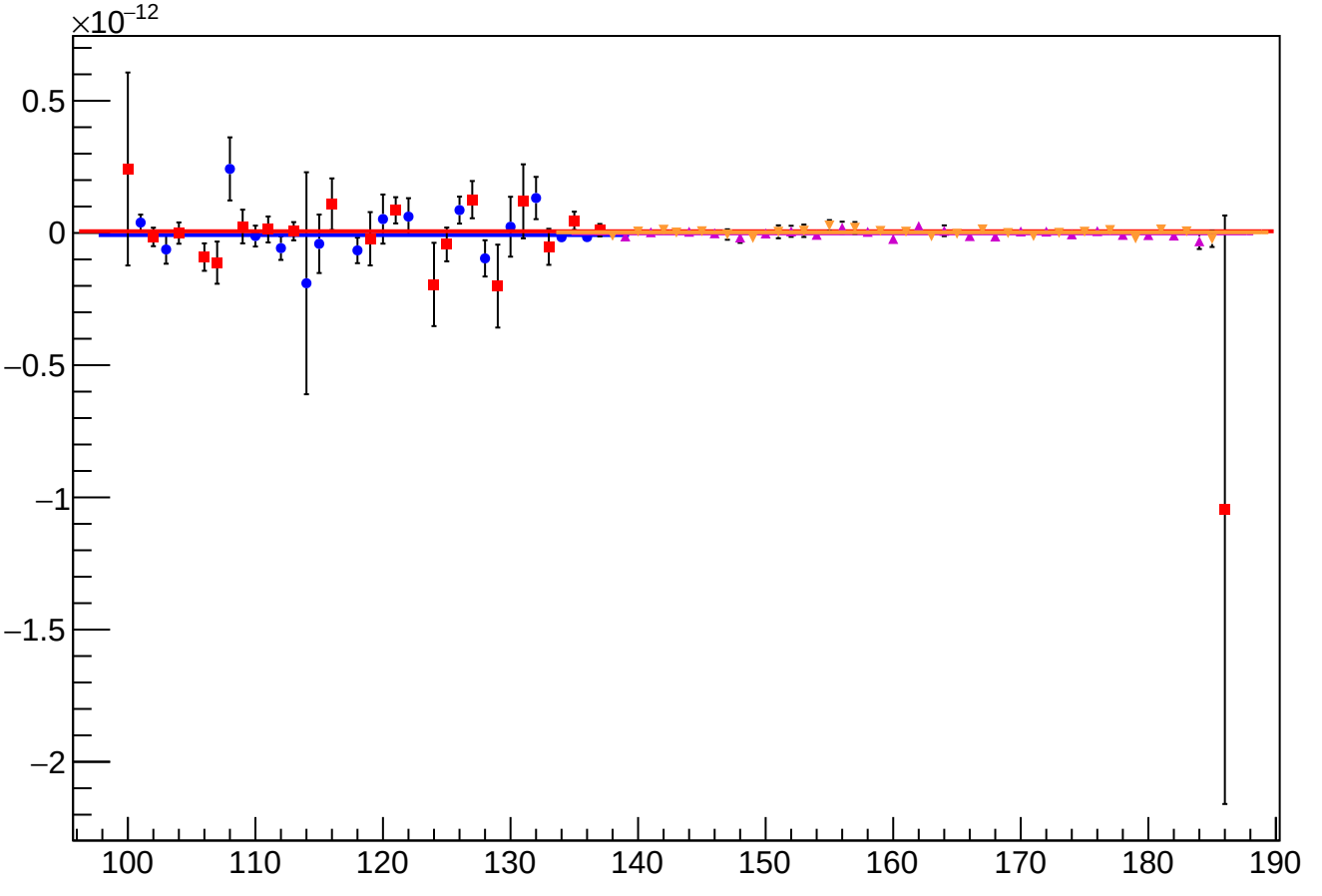
Right Out: 636.791+/-0.166 χ^2/NDF: 868461.3/19

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 291.053+/-0.043 χ^2/NDF: 7571754.7/40

All: 289.459+/-0.031 χ^2/NDF: 15716024.7/83

- sign 287.849+/-0.044 χ^2/NDF: 8141552.4/42



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

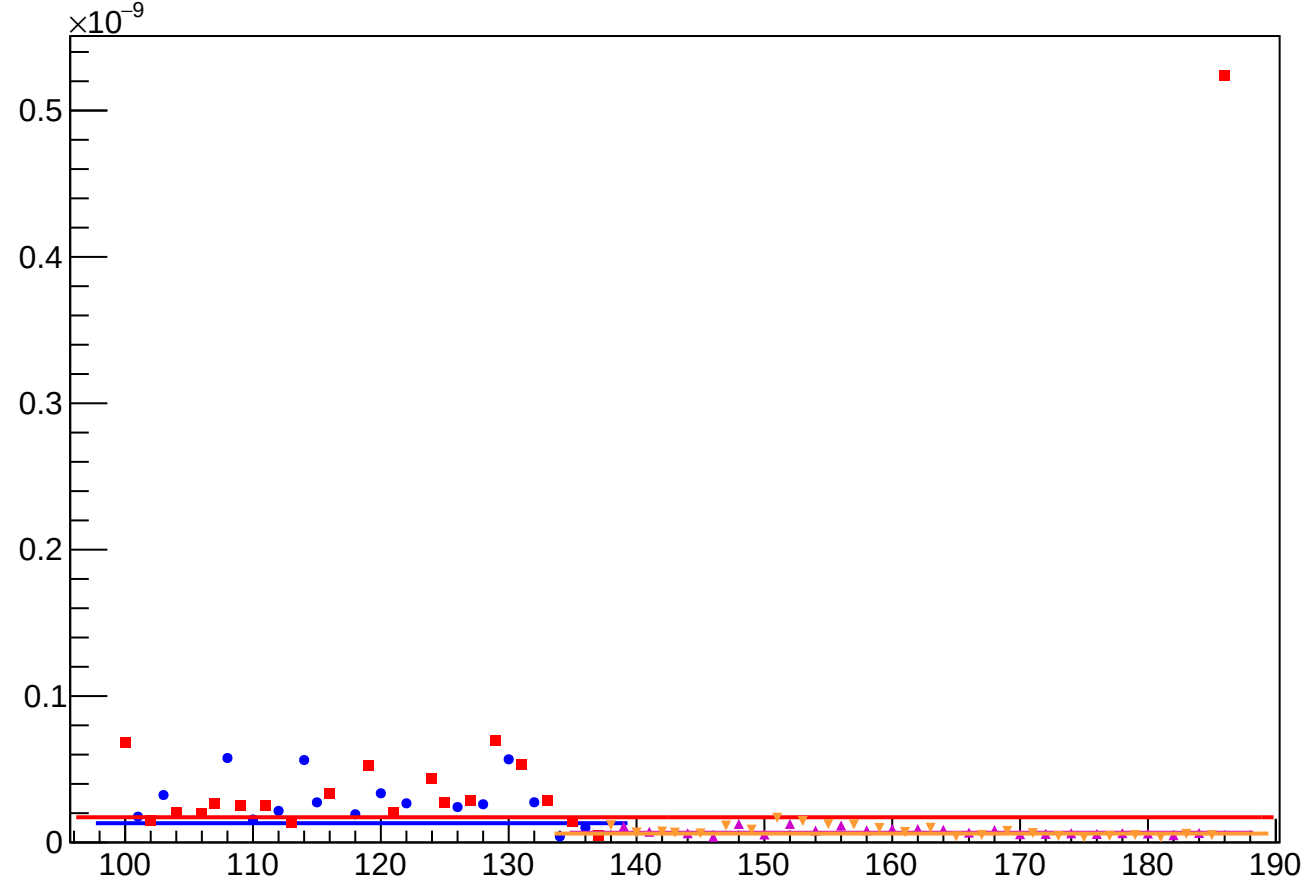
Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/19

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/40

All: 0.000+/-0.000 χ^2/NDF: 71.5/83

- sign -0.000+/-0.000 χ^2/NDF: 33.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2061089.2/19

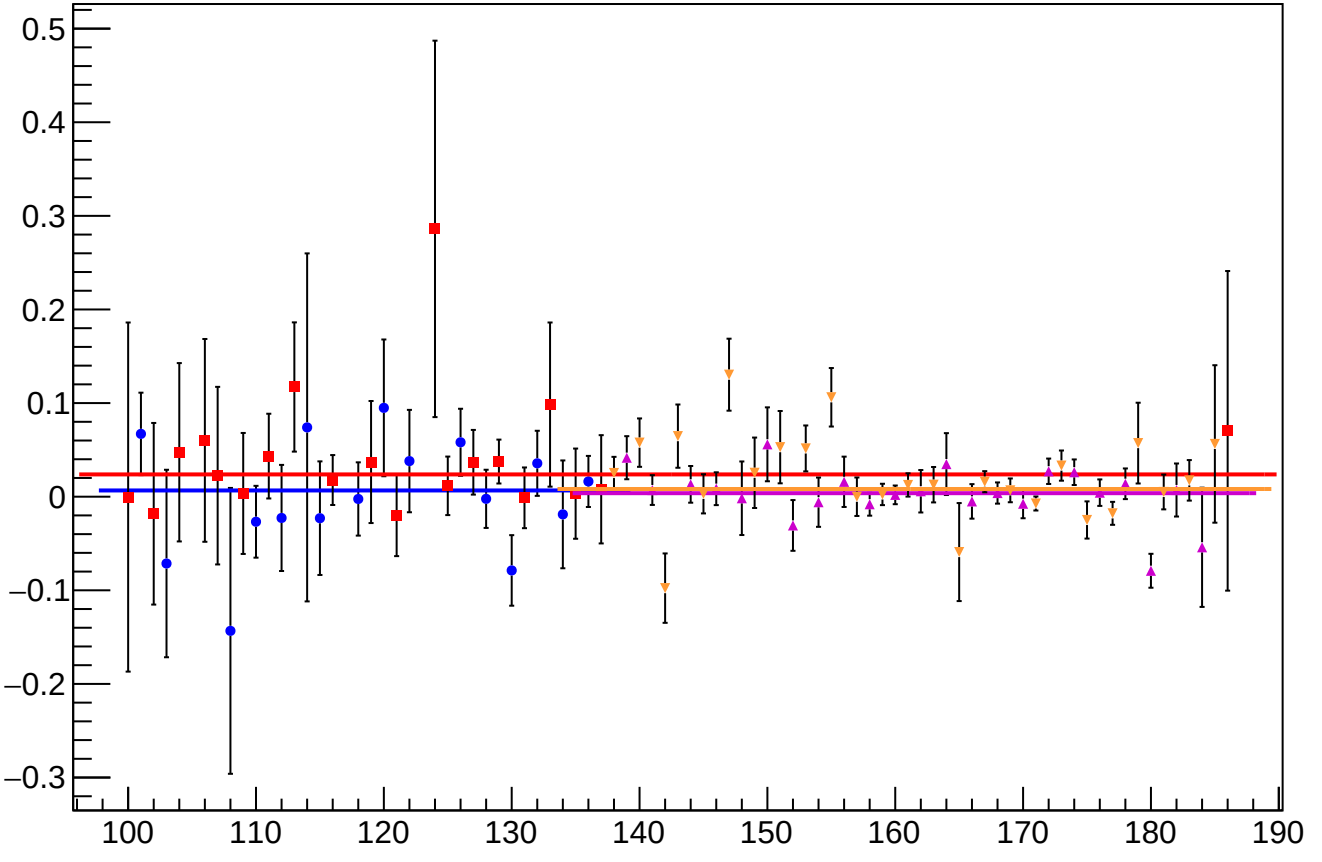
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5564848.9/40

All: 0.000+/-0.000 χ^2/NDF: 10466523.1/83

- sign 0.000+/-0.000 χ^2/NDF: 4835875.2/42

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.024+/-0.010 χ^2/NDF: 7.6/19

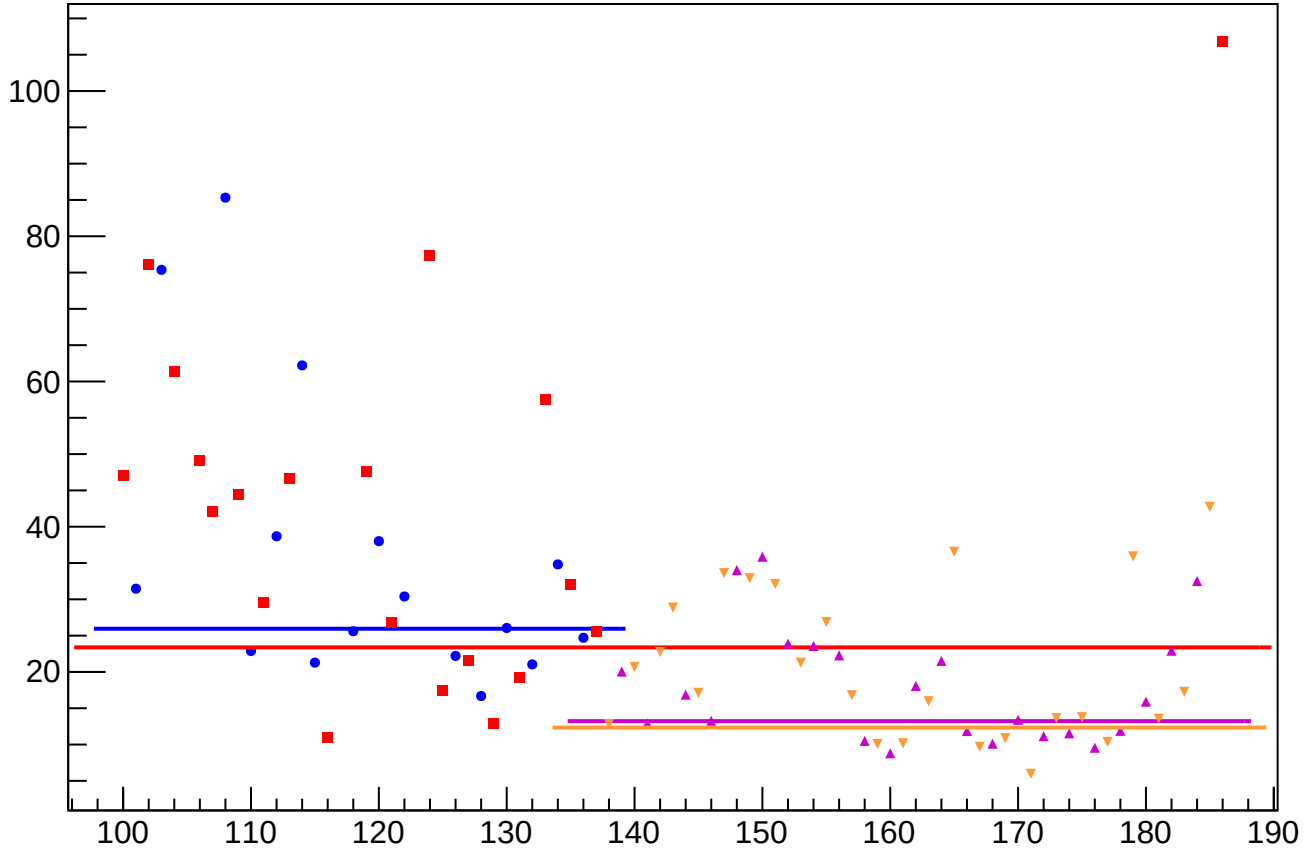
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 73.8/40

All: 0.007+/-0.002 χ^2/NDF: 122.1/83

- sign 0.006+/-0.003 χ^2/NDF: 48.1/42

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

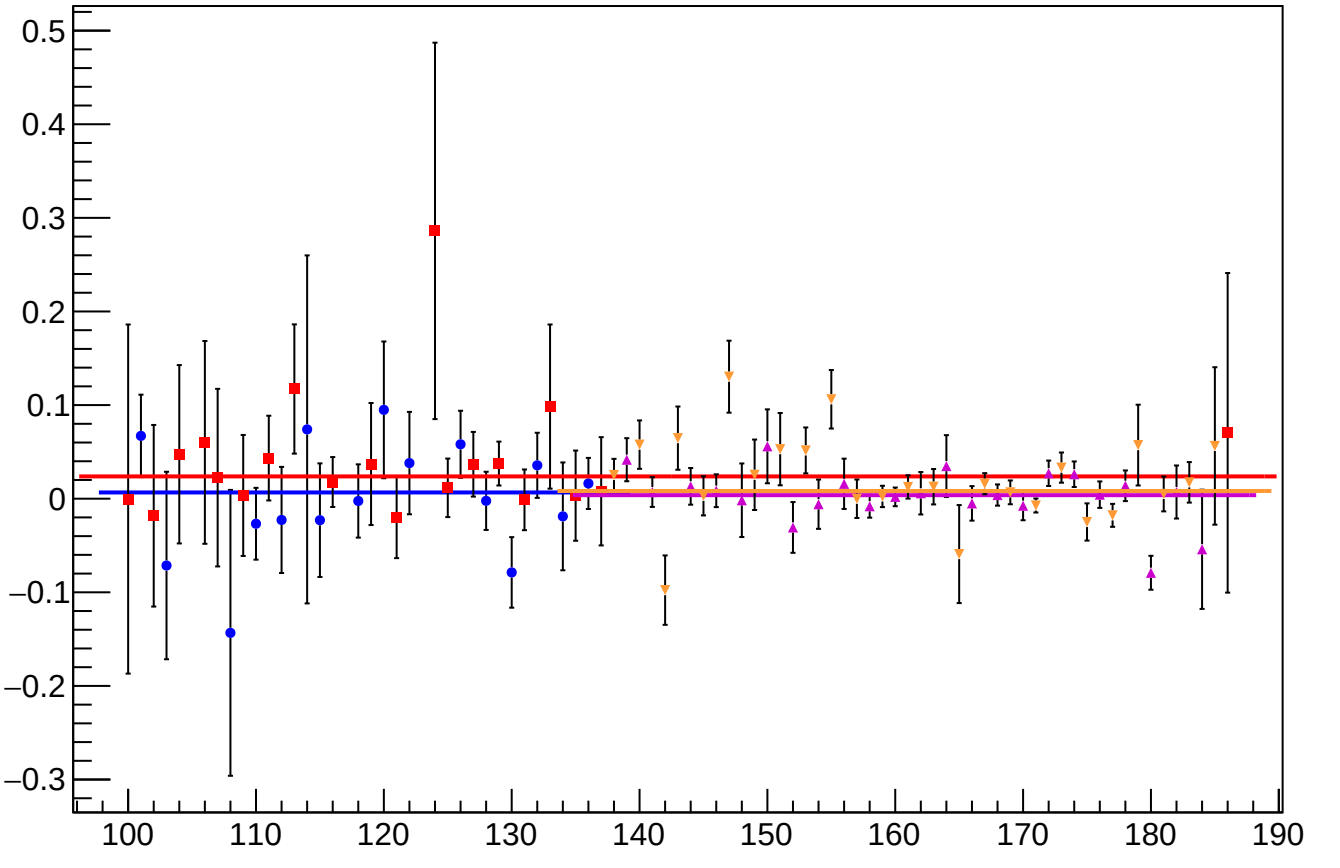
Right Out: 23.381+/-0.007 χ^2/NDF: 3840380.8/19

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.544+/-0.002 χ^2/NDF: 10865244.7/40

All: 13.914+/-0.002 χ^2/NDF: 20304431.0/83

- sign 14.314+/-0.002 χ^2/NDF: 9386807.3/42



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

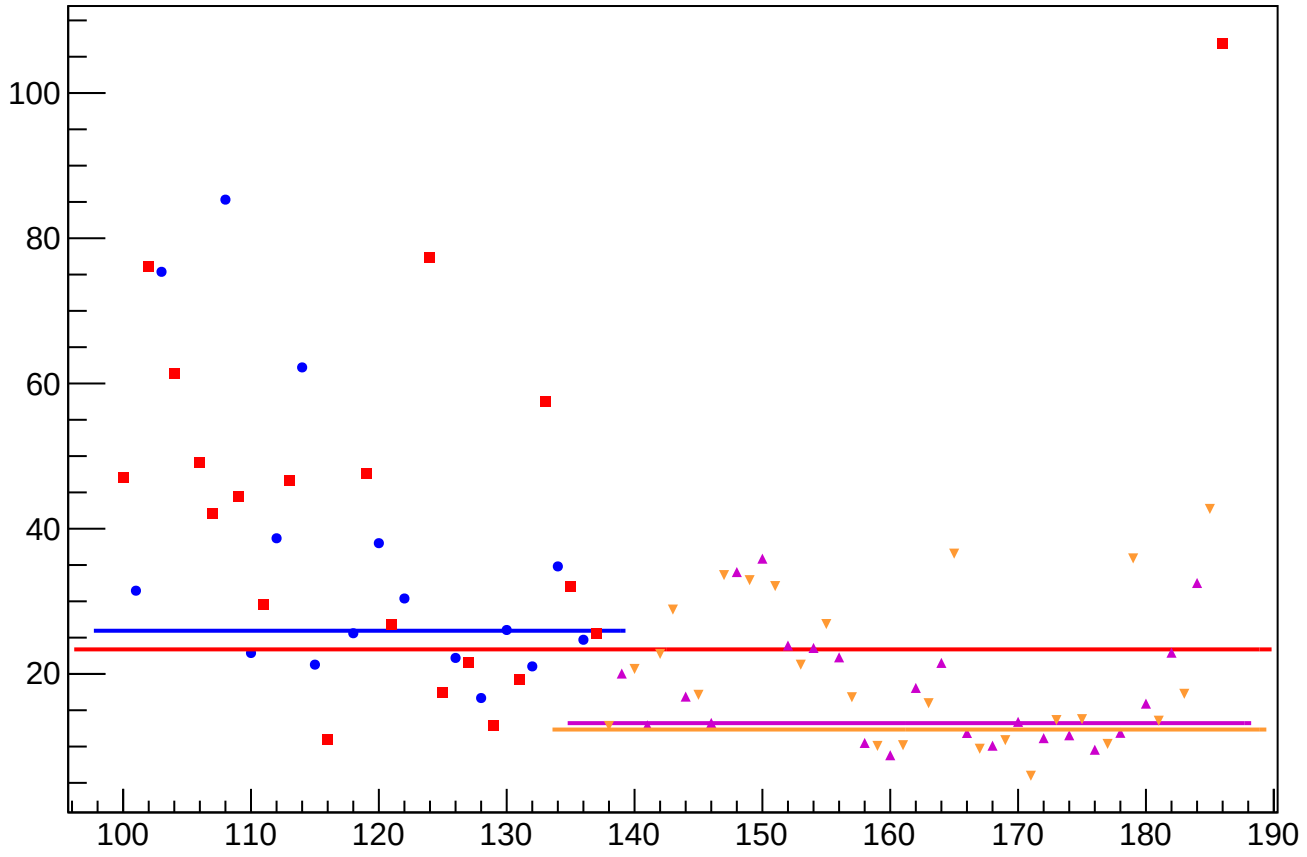
Right Out: 0.024+/-0.010 χ^2/NDF: 7.6/19

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 73.8/40

All: 0.007+/-0.002 χ^2/NDF: 122.1/83

- sign 0.006+/-0.003 χ^2/NDF: 48.1/42



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

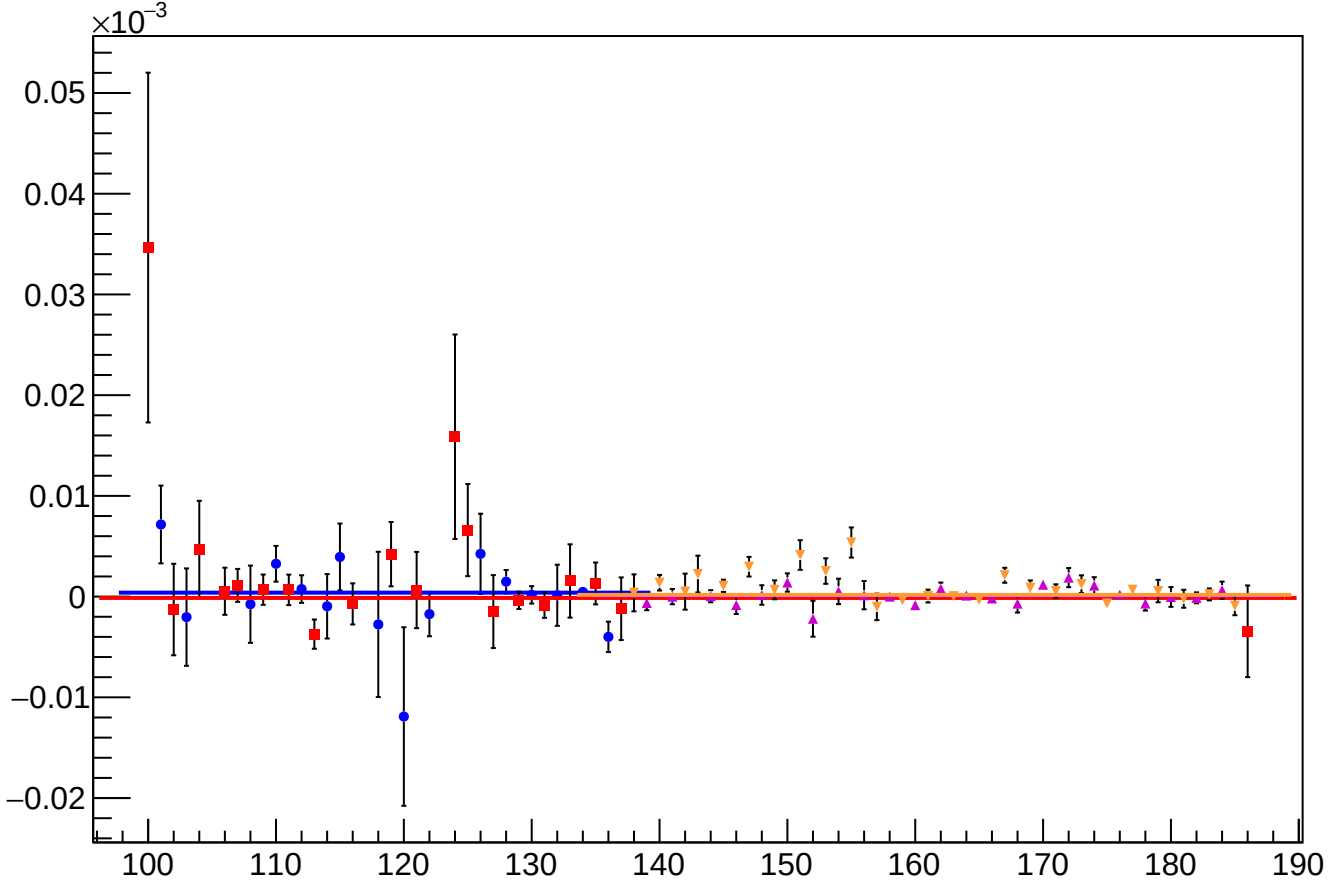
Right Out: 23.381+/-0.007 χ^2/NDF: 3840380.8/19

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.544+/-0.002 χ^2/NDF: 10865244.7/40

All: 13.914+/-0.002 χ^2/NDF: 20304431.0/83

- sign 14.314+/-0.002 χ^2/NDF: 9386807.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

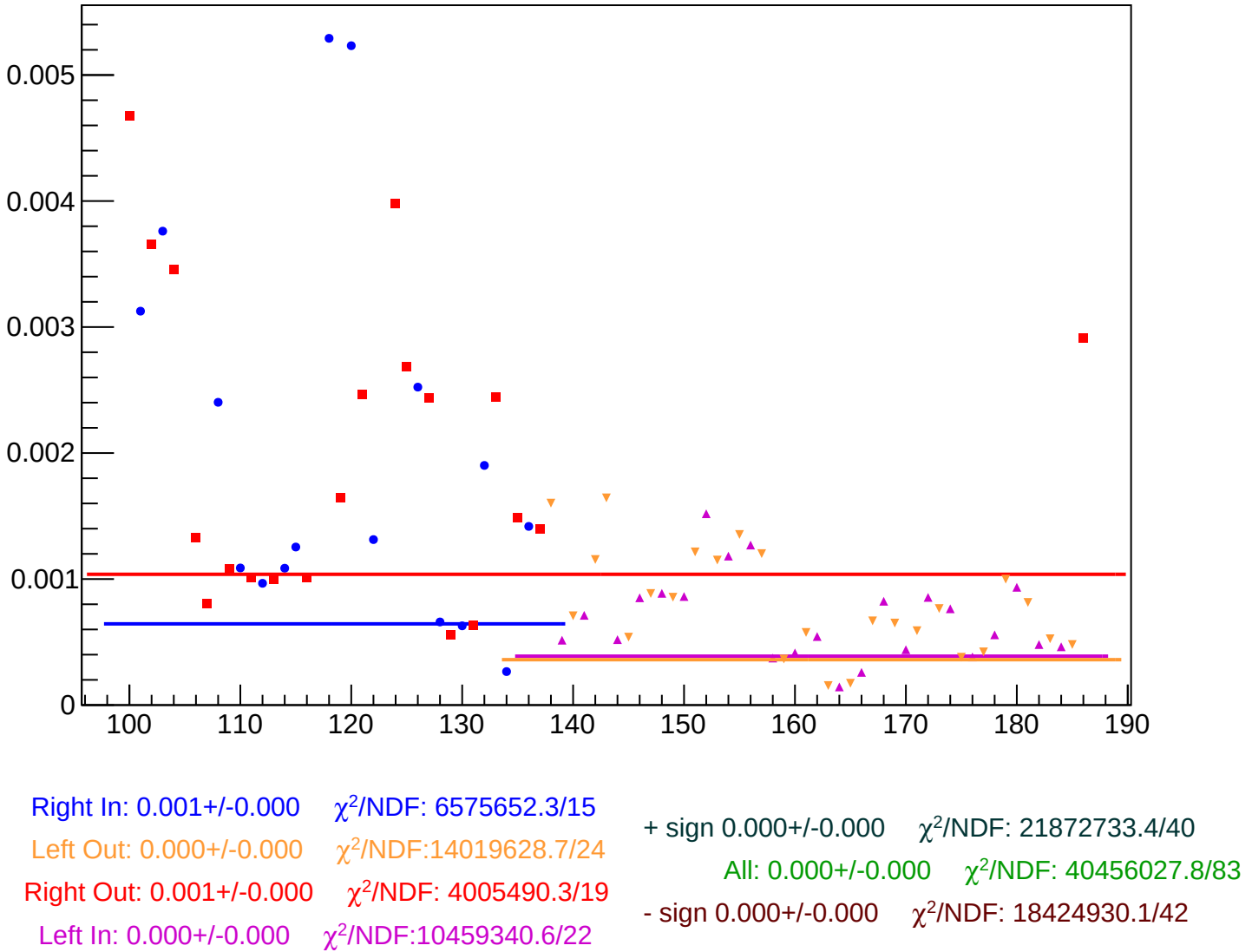
Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/19

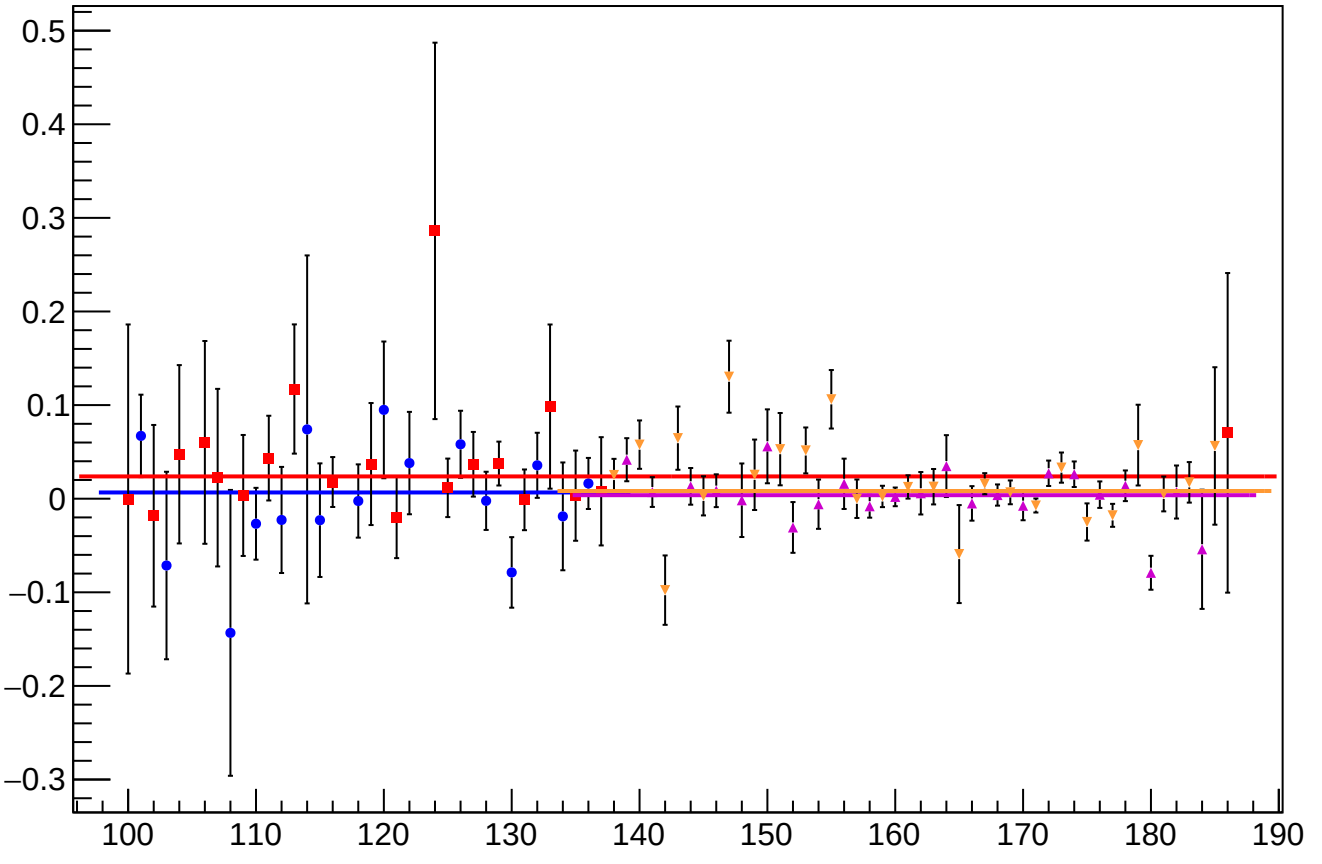
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.7/40

All: 0.000+/-0.000 χ^2/NDF: 129.0/83

- sign 0.000+/-0.000 χ^2/NDF: 45.6/42


asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
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: 6575652.3/15
Left Out: 0.000+/-0.000 χ²/NDF:14019628.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 4005490.3/19
Left In: 0.000+/-0.000 χ²/NDF:10459340.6/22
+ sign 0.000+/-0.000 χ²/NDF: 21872733.4/40
All: 0.000+/-0.000 χ²/NDF: 40456027.8/83
- sign 0.000+/-0.000 χ²/NDF: 18424930.1/42



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

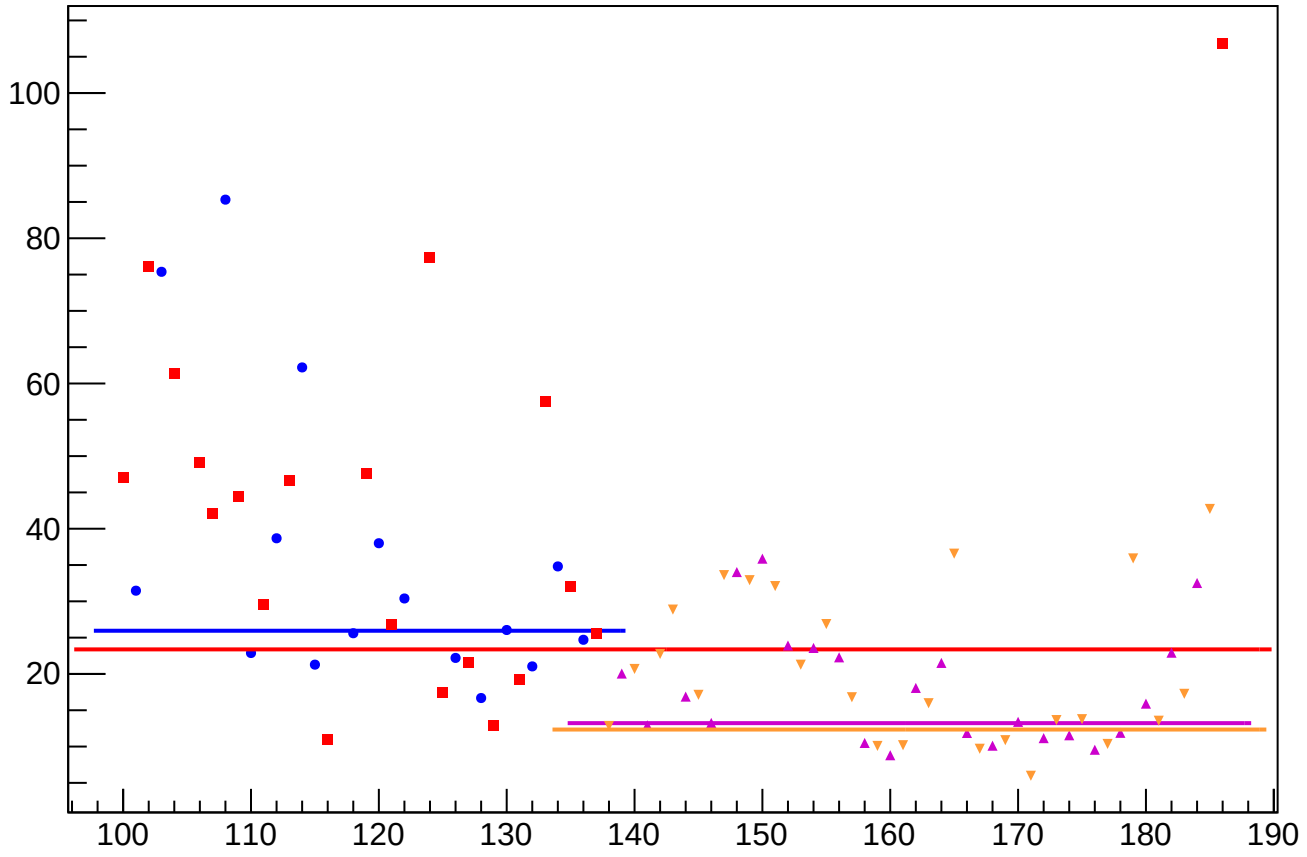
Right Out: 0.024+/-0.010 χ^2/NDF: 7.6/19

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 73.8/40

All: 0.007+/-0.002 χ^2/NDF: 122.1/83

- sign 0.006+/-0.003 χ^2/NDF: 48.1/42



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

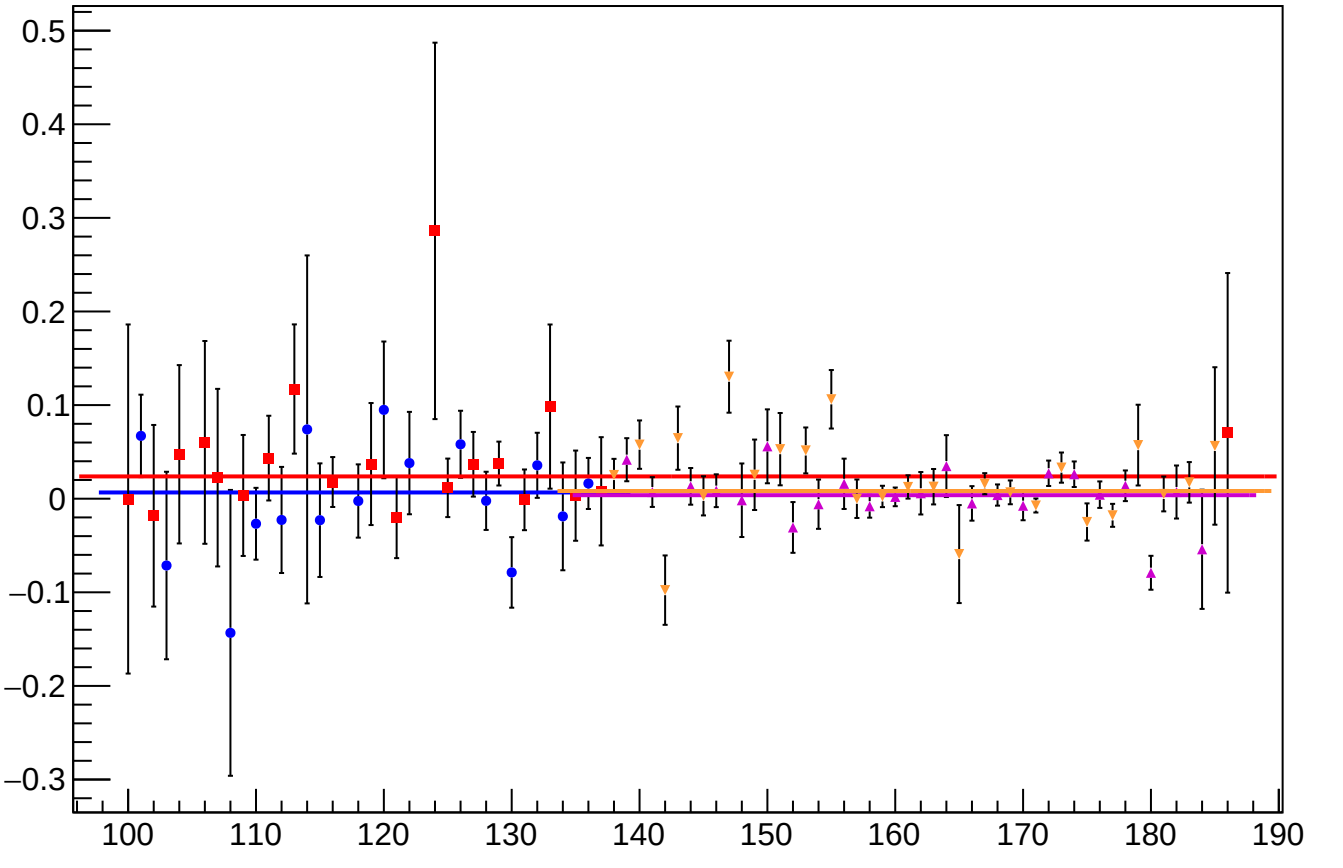
Right Out: 23.381+/-0.007 χ^2/NDF: 3840212.0/19

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.544+/-0.002 χ^2/NDF: 10865494.1/40

All: 13.914+/-0.002 χ^2/NDF: 20304778.2/83

- sign 14.315+/-0.002 χ^2/NDF: 9386909.8/42



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

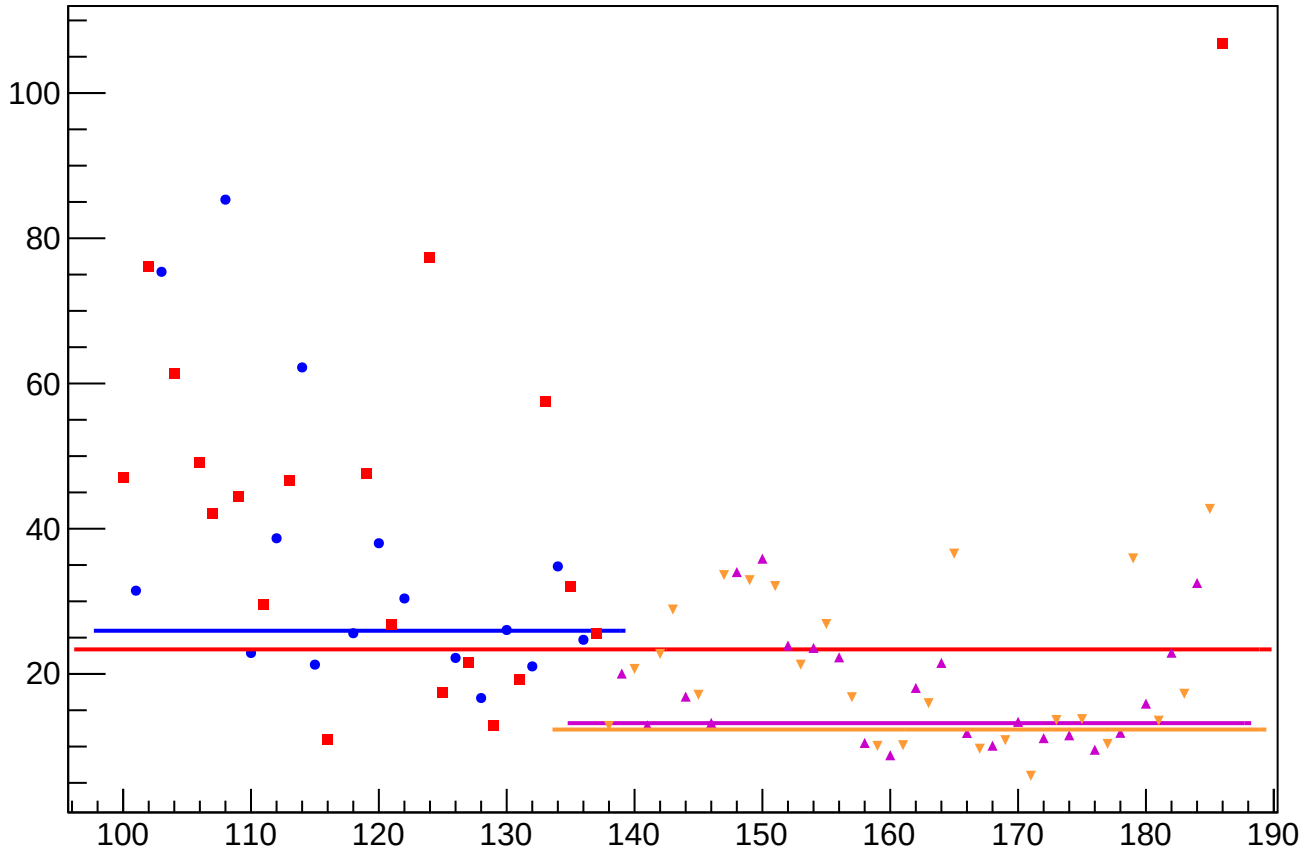
Right Out: 0.024+/-0.010 χ^2/NDF: 7.6/19

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 73.8/40

All: 0.007+/-0.002 χ^2/NDF: 122.1/83

- sign 0.006+/-0.003 χ^2/NDF: 48.1/42



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

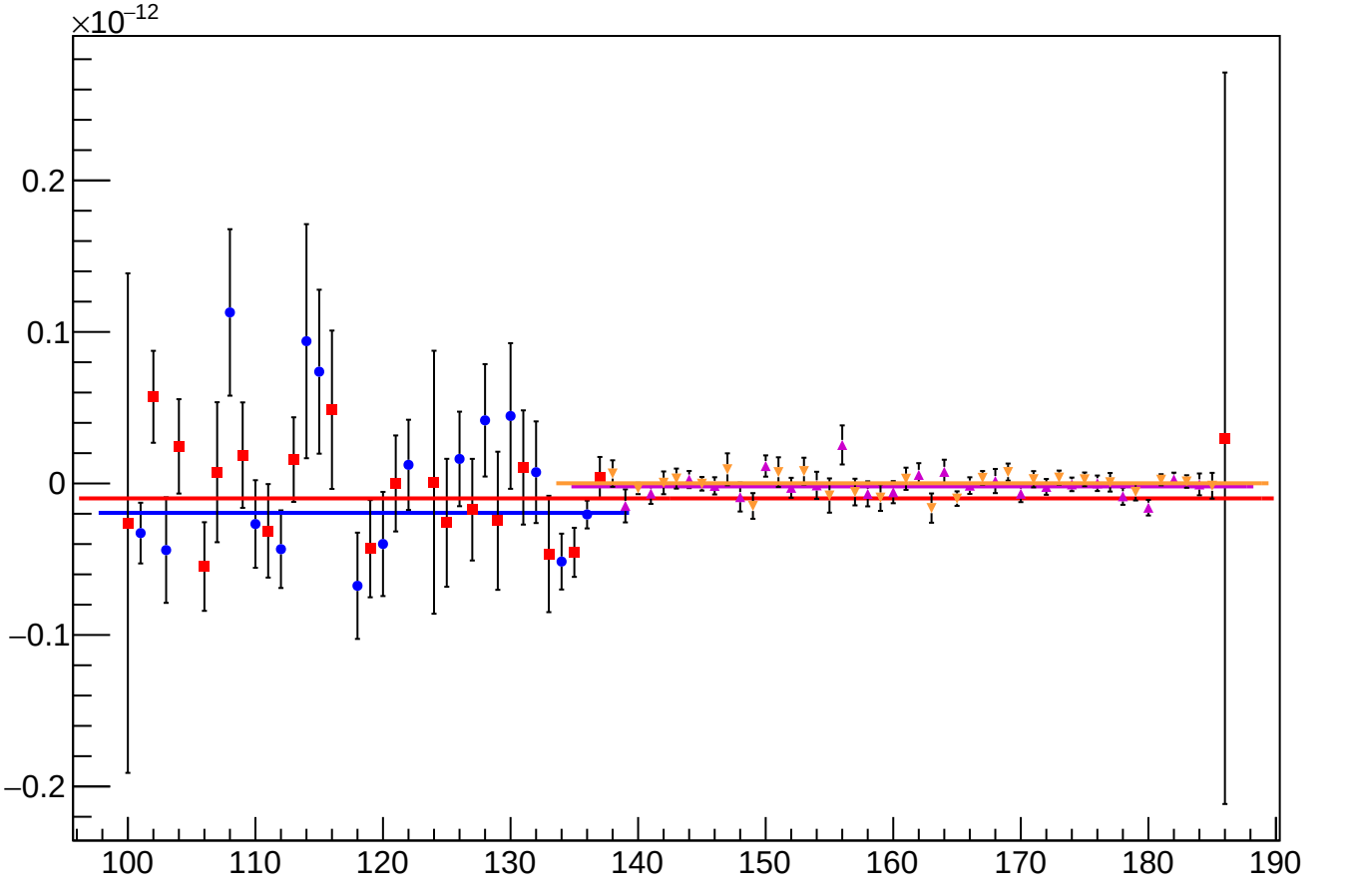
Right Out: 23.381+/-0.007 χ^2/NDF: 3840212.0/19

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

\+ sign 13.544+/-0.002 χ^2/NDF: 10865494.1/40

All: 13.914+/-0.002 χ^2/NDF: 20304778.2/83

\- sign 14.315+/-0.002 χ^2/NDF: 9386909.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

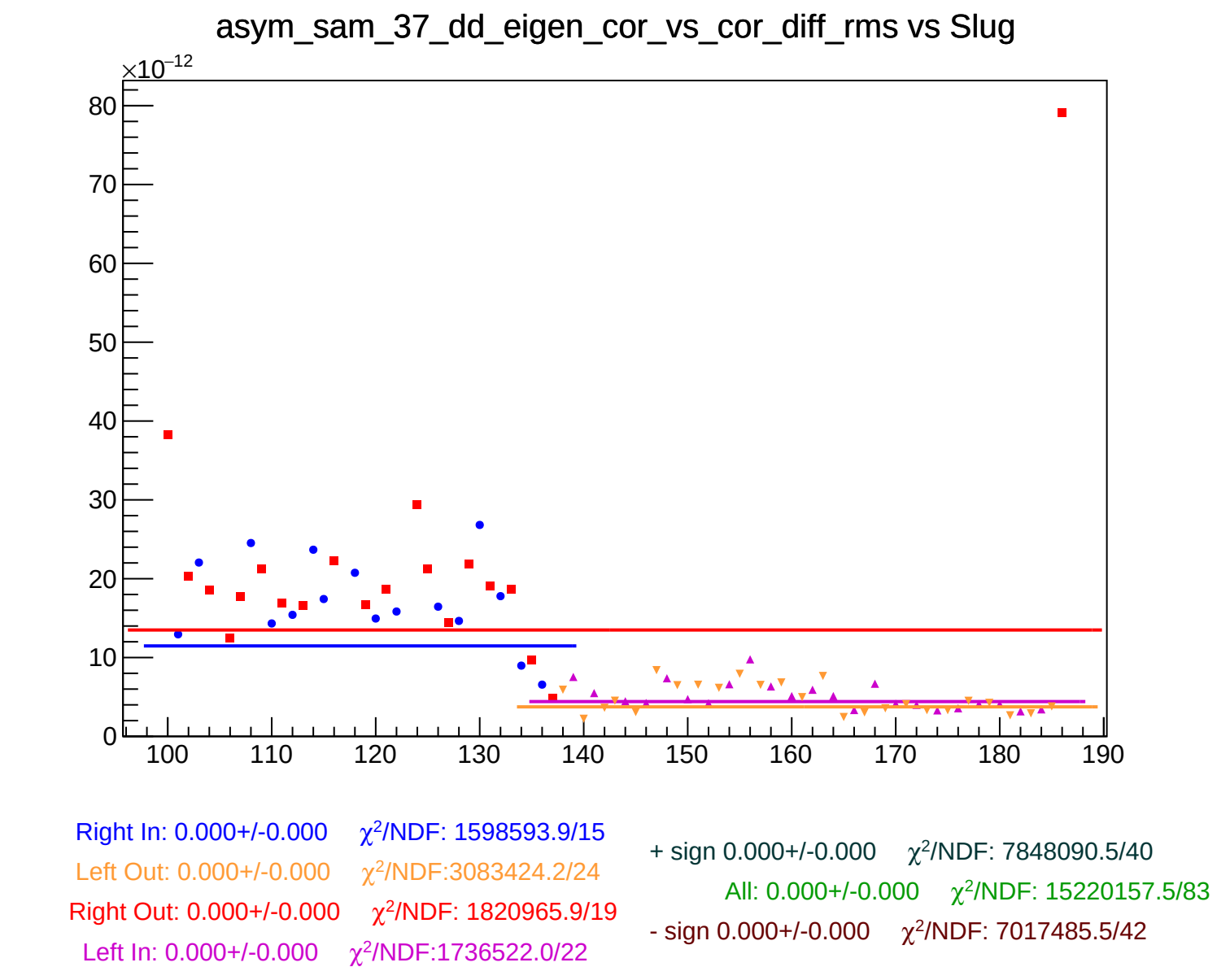
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/19

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

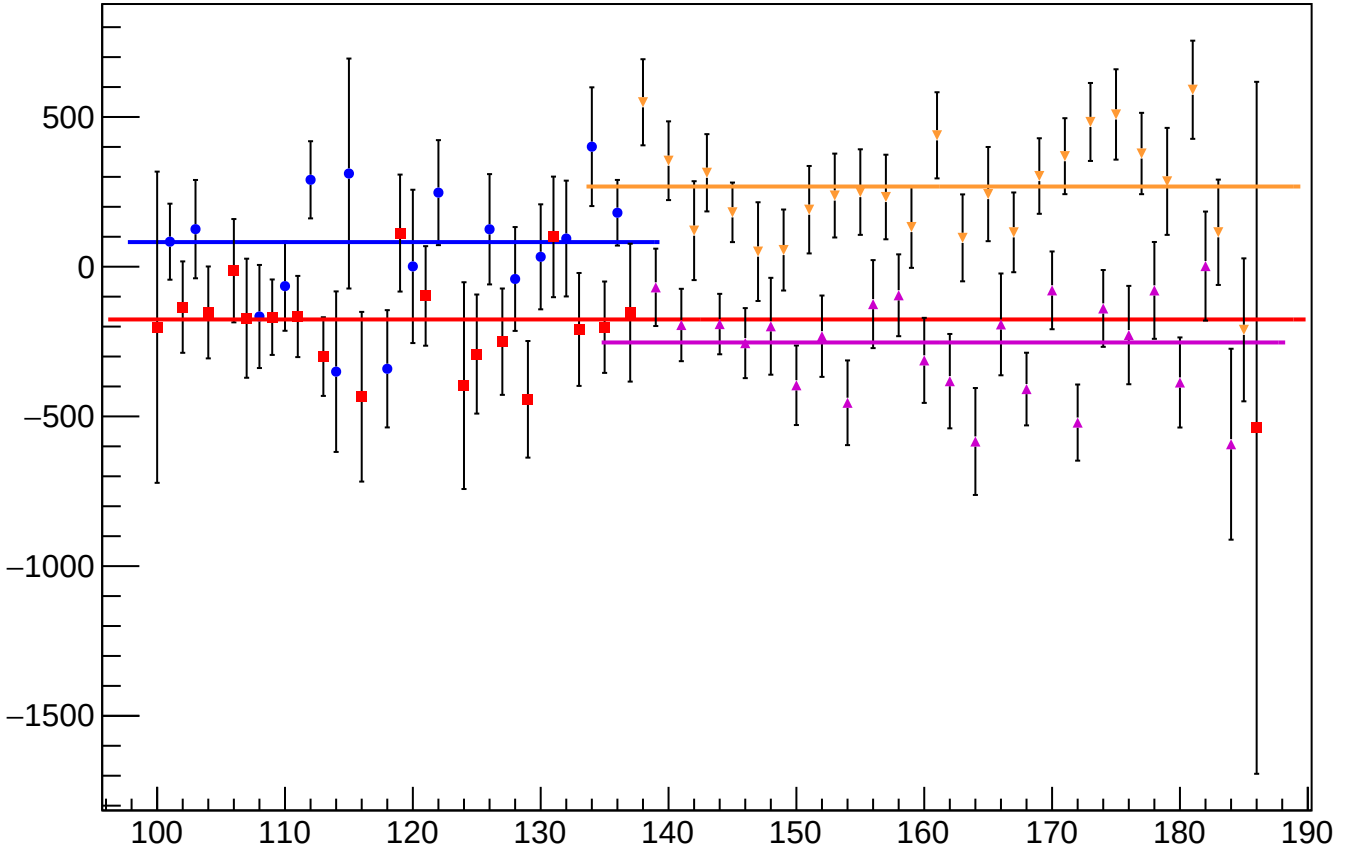
+ sign -0.000+/-0.000 χ^2/NDF: 57.3/40

All: -0.000+/-0.000 χ^2/NDF: 105.3/83

- 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: 1598593.9/15
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: 7848090.5/40
All: 0.000+/-0.000 χ²/NDF: 15220157.5/83
- sign 0.000+/-0.000 χ²/NDF: 7017485.5/42

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -176.180+/-40.647 χ^2/NDF: 10.0/19

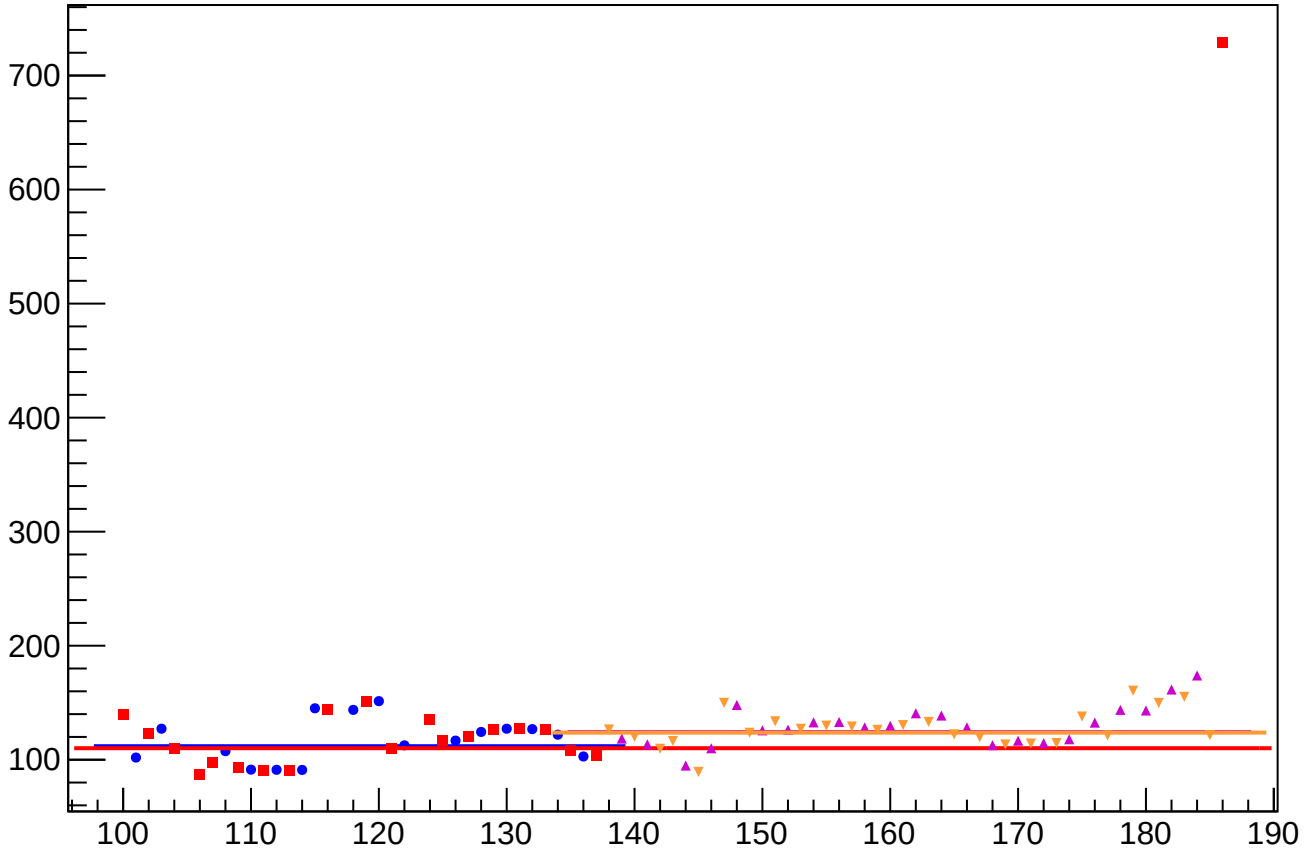
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 209.783+/-23.554 χ^2/NDF: 62.7/40

All: -6.439+/-16.733 χ^2/NDF: 271.3/83

- sign -226.749+/-23.776 χ^2/NDF: 38.5/42

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 110.107+/-0.029 χ^2/NDF: 941476.7/19

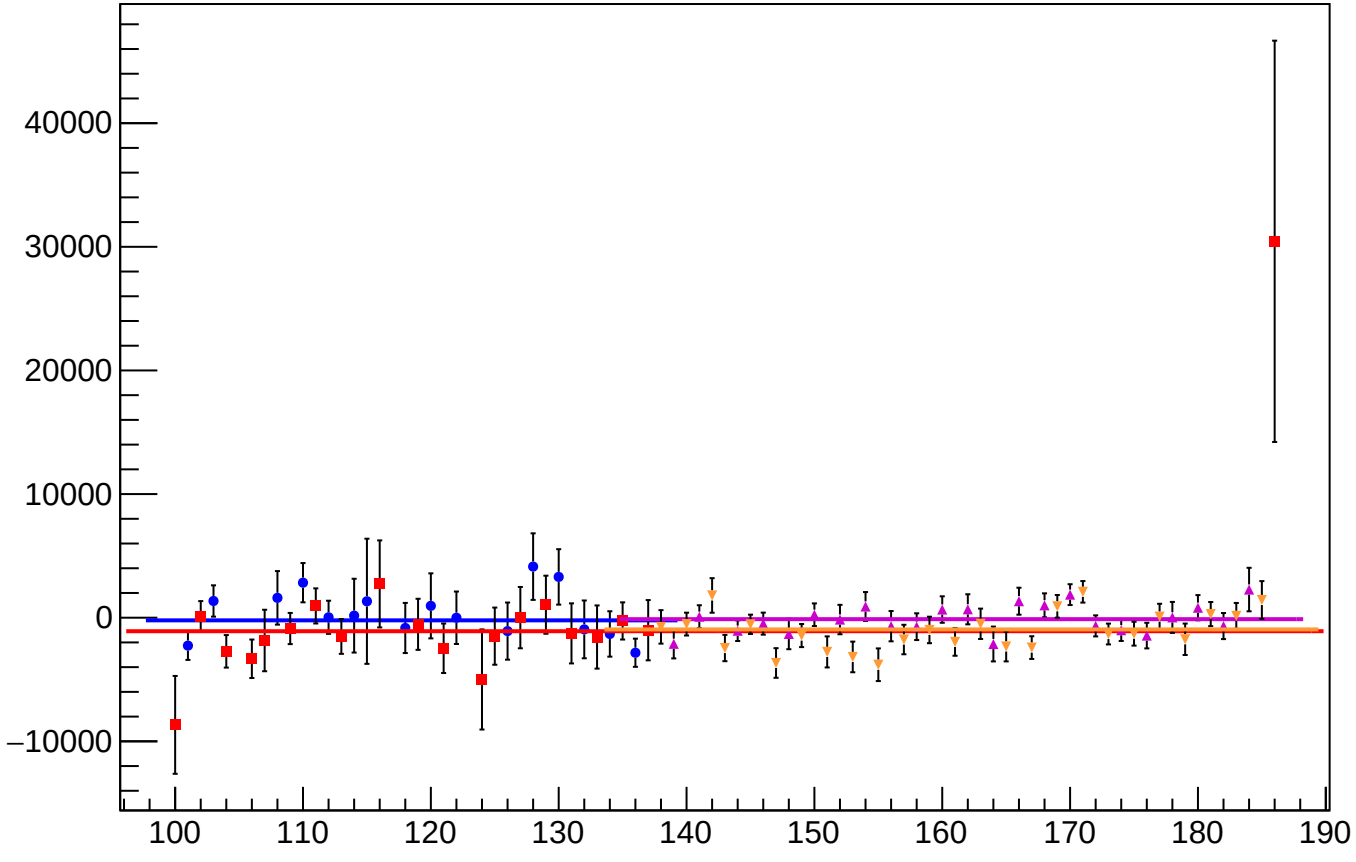
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.074+/-0.017 χ^2/NDF: 1014988.2/40

All: 119.749+/-0.012 χ^2/NDF: 2673940.5/83

- sign 119.417+/-0.017 χ^2/NDF: 1658181.2/42

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1093.273+/-422.895 χ^2/NDF: 18.3/19

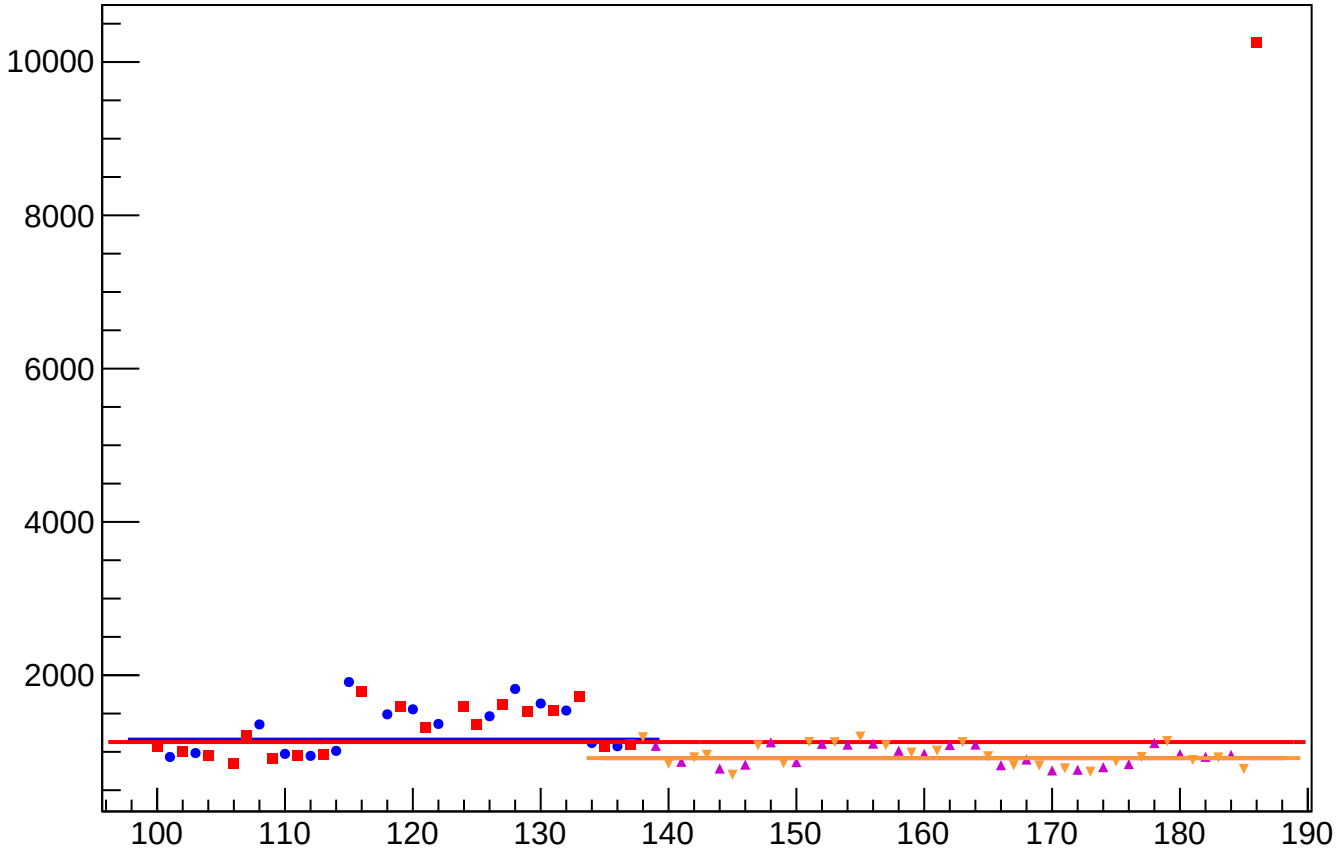
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -811.731+/-191.156 χ^2/NDF: 72.9/40

All: -569.377+/-135.879 χ^2/NDF: 123.1/83

- sign -321.857+/-193.183 χ^2/NDF: 46.9/42

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1127.952+/-0.299 χ^2/NDF: 1415091.9/19

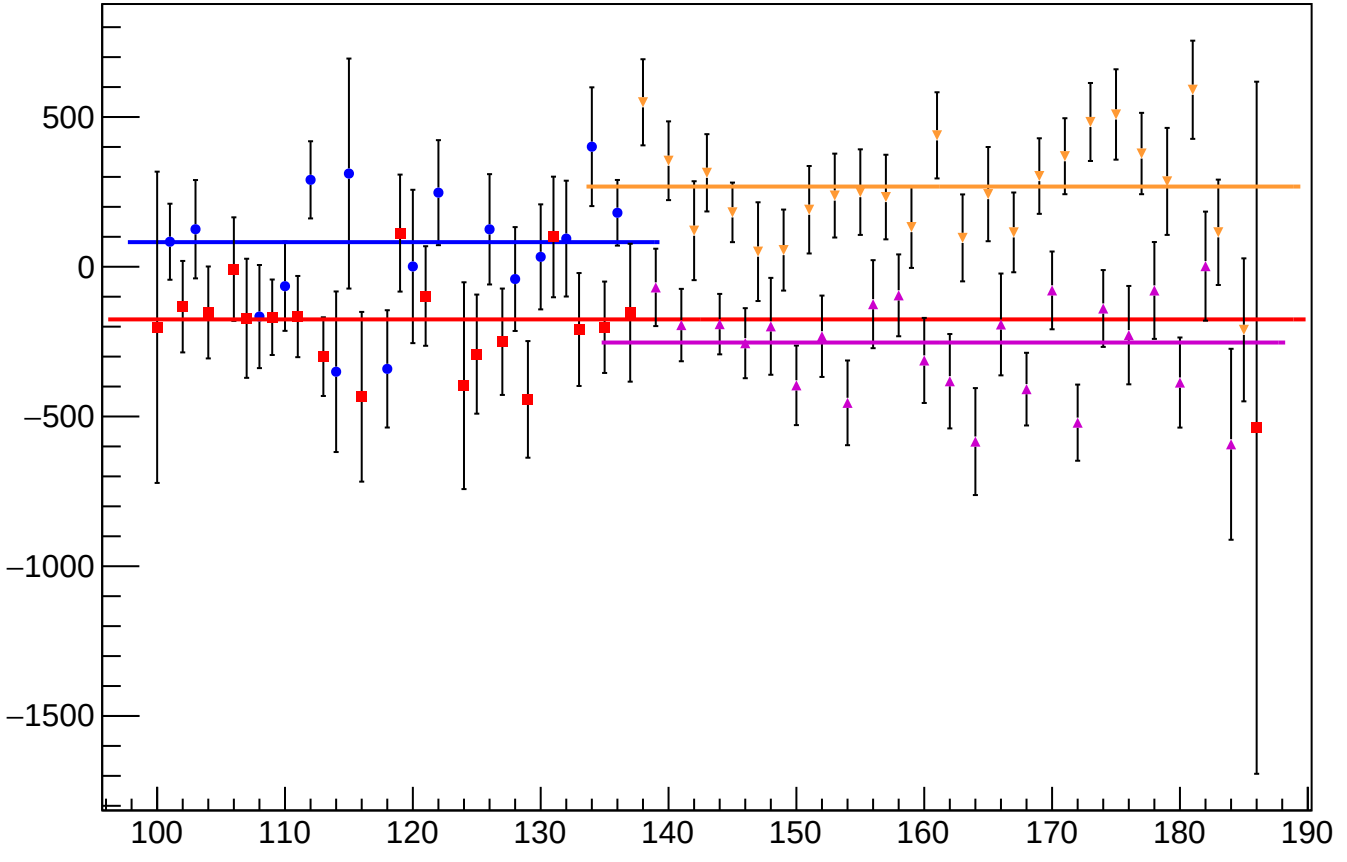
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 963.192+/-0.135 χ^2/NDF: 2051864.2/40

All: 962.593+/-0.096 χ^2/NDF: 4522548.8/83

- sign 961.981+/-0.137 χ^2/NDF: 2470644.9/42

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -175.787+/-40.653 χ^2/NDF: 10.0/19

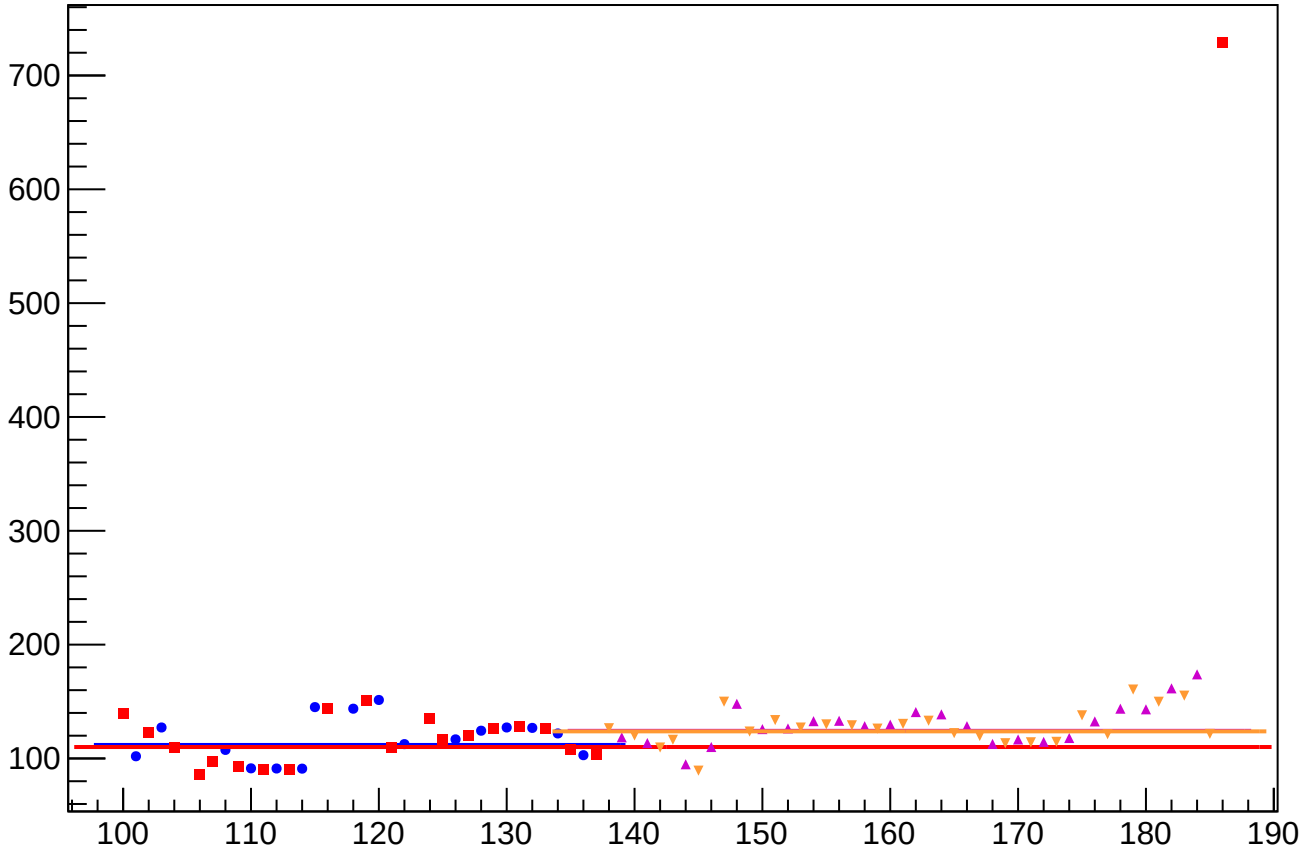
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 209.785+/-23.554 χ^2/NDF: 62.7/40

All: -6.364+/-16.733 χ^2/NDF: 271.3/83

- sign -226.621+/-23.777 χ^2/NDF: 38.6/42

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 110.051+/-0.029 χ^2/NDF: 945072.2/19

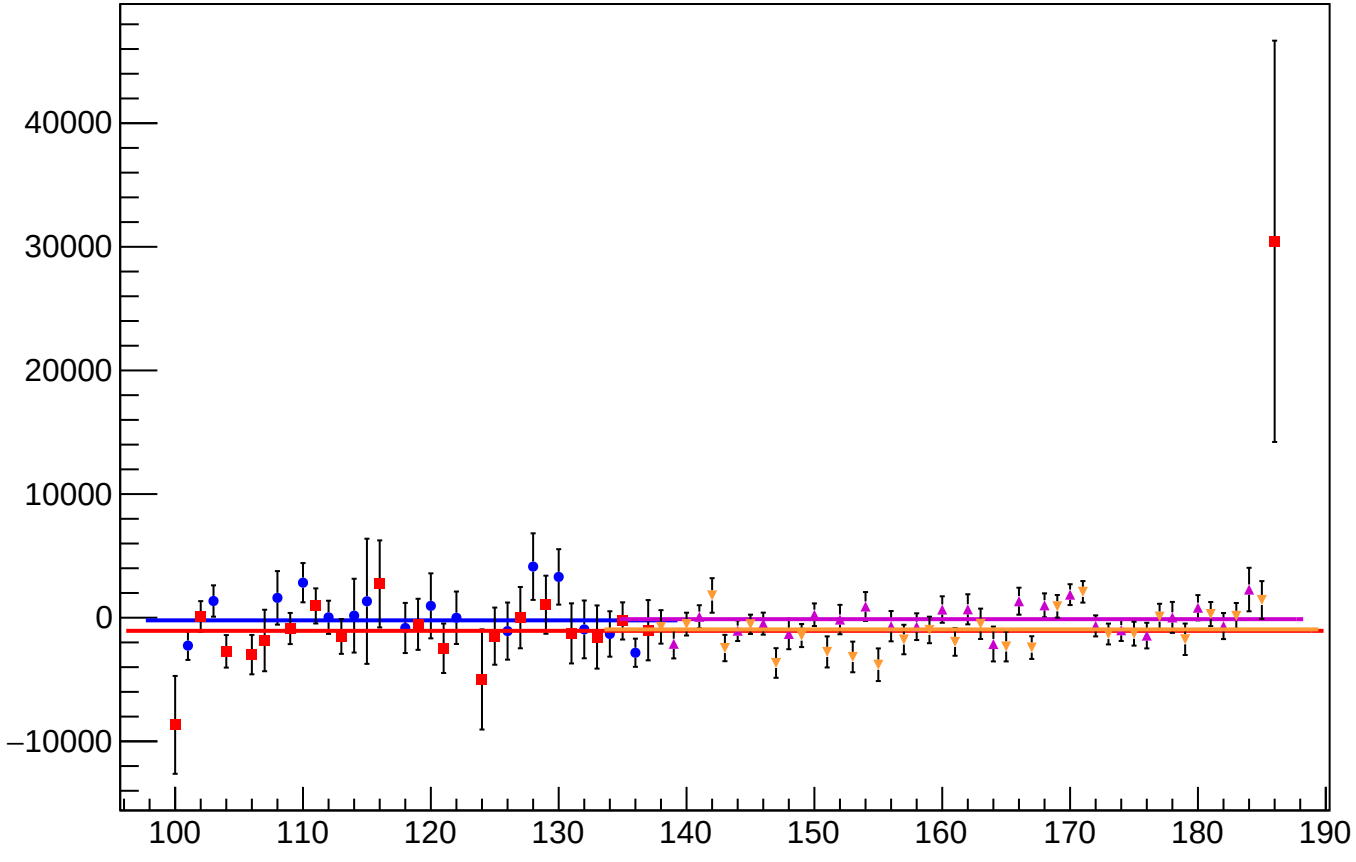
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.074+/-0.017 χ^2/NDF: 1014988.8/40

All: 119.740+/-0.012 χ^2/NDF: 2678812.7/83

- sign 119.399+/-0.017 χ^2/NDF: 1663009.4/42

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1062.462+/-423.630 χ^2/NDF: 17.7/19

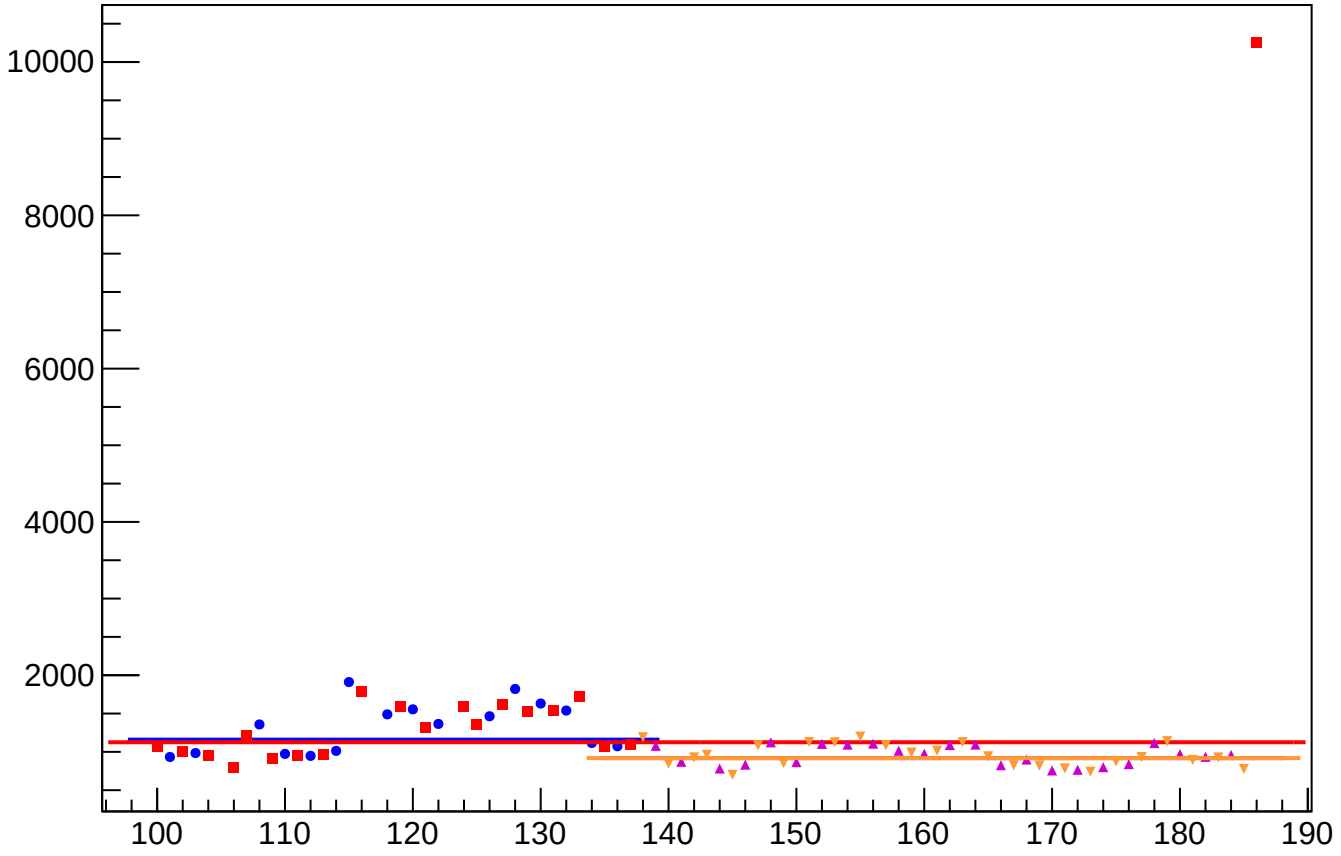
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -811.741+/-191.156 χ^2/NDF: 72.9/40

All: -566.024+/-135.903 χ^2/NDF: 122.3/83

- sign -314.889+/-193.253 χ^2/NDF: 46.0/42

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1125.379+/-0.300 χ^2/NDF: 1436331.6/19

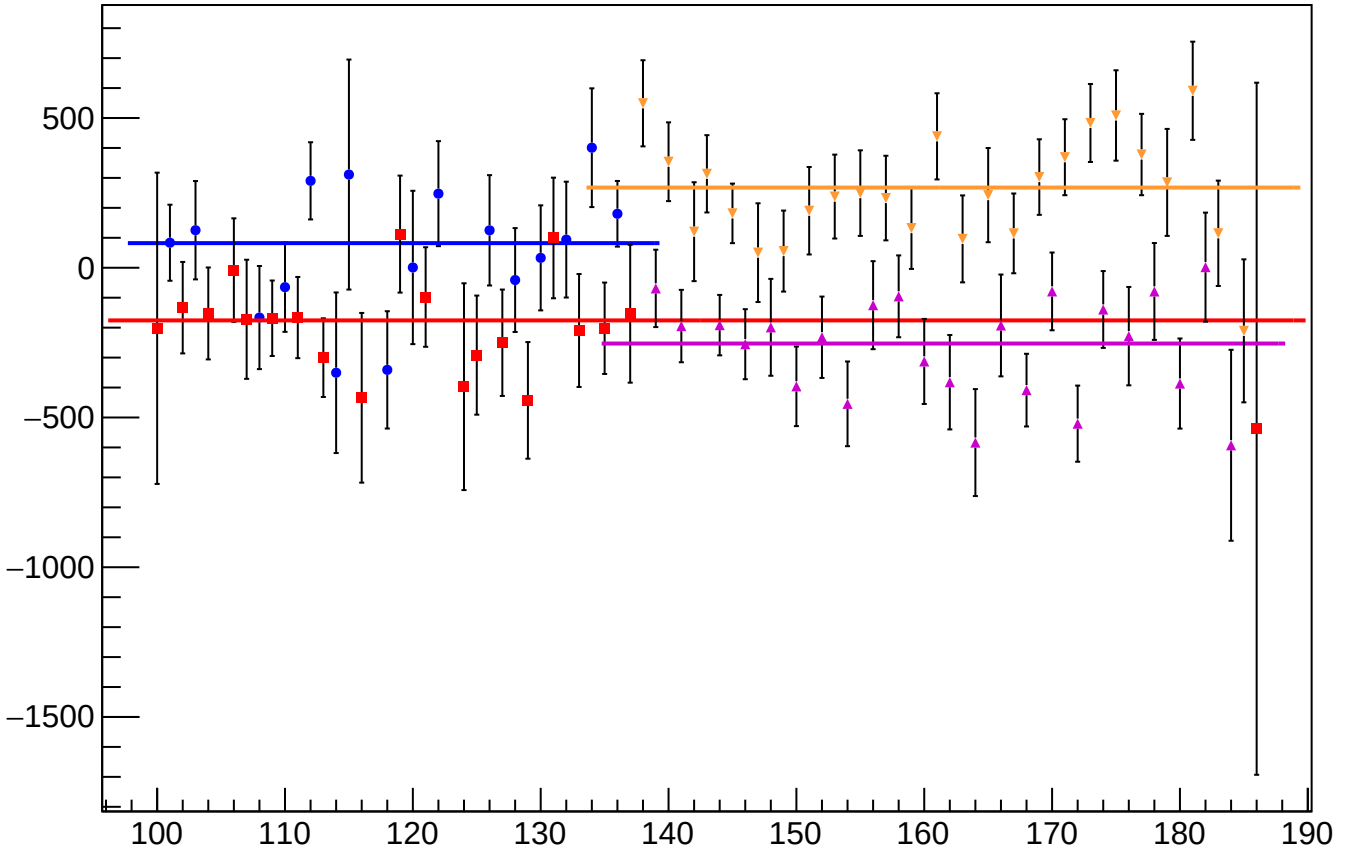
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 963.194+/-0.135 χ^2/NDF: 2051865.2/40

All: 962.270+/-0.096 χ^2/NDF: 4533310.3/83

- sign 961.326+/-0.137 χ^2/NDF: 2481350.7/42

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -175.787+/-40.653 χ^2/NDF: 10.0/19

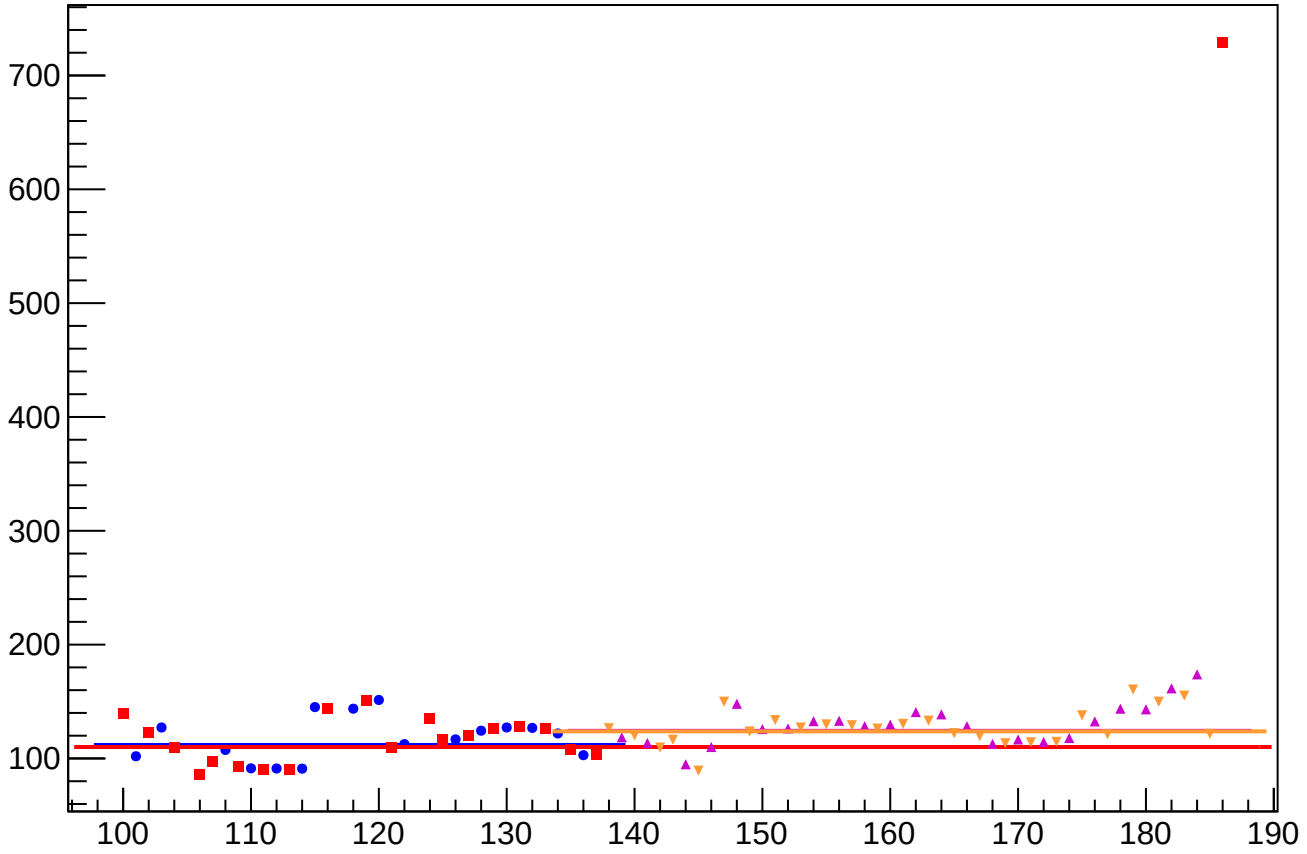
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 209.785+/-23.554 χ^2/NDF: 62.7/40

All: -6.364+/-16.733 χ^2/NDF: 271.3/83

- sign -226.621+/-23.777 χ^2/NDF: 38.6/42

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

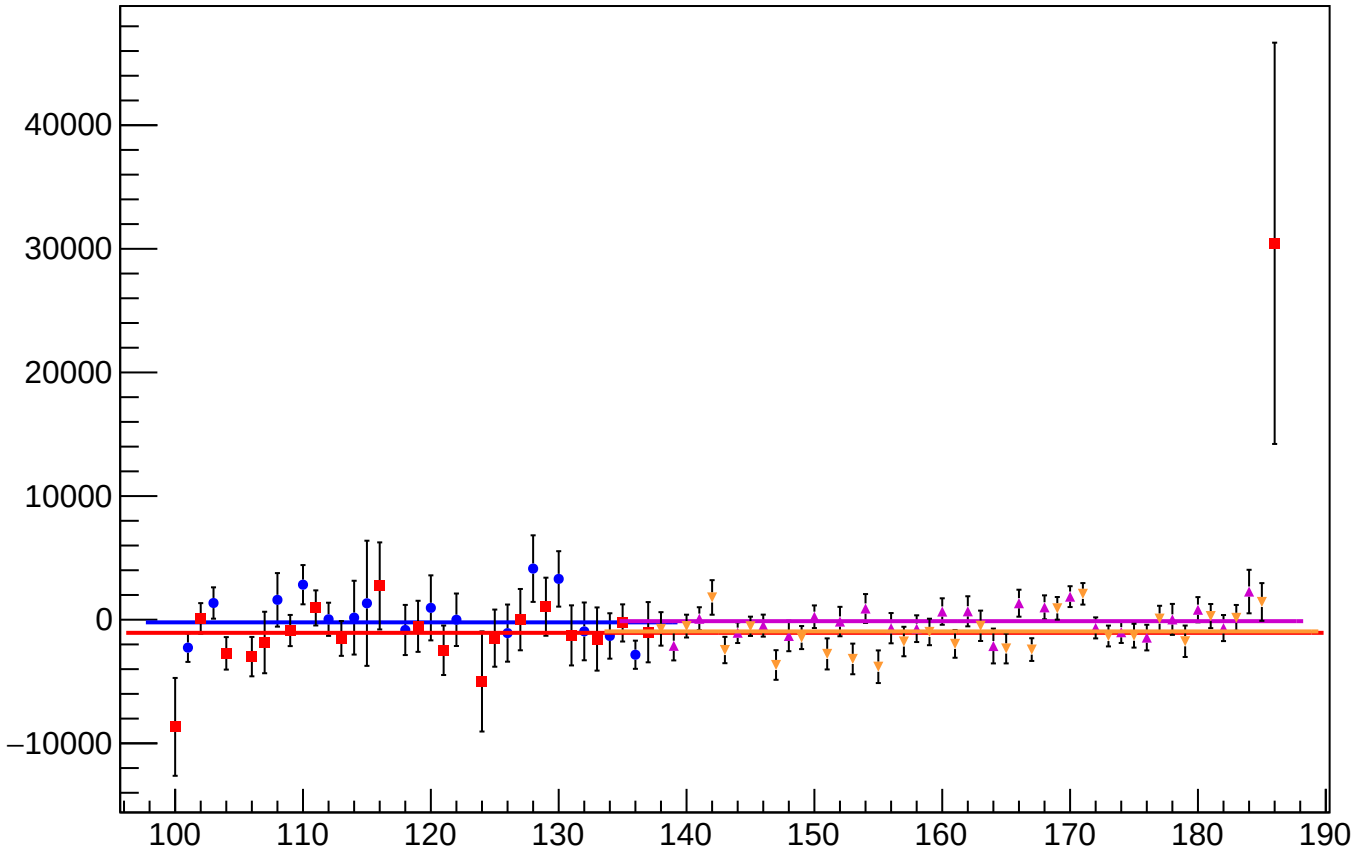
Right Out: 110.051+/-0.029 χ^2/NDF: 945072.2/19

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.074+/-0.017 χ^2/NDF: 1014988.8/40

All: 119.740+/-0.012 χ^2/NDF: 2678812.7/83

- sign 119.399+/-0.017 χ^2/NDF: 1663009.4/42



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1062.462+/-423.630 χ^2/NDF: 17.7/19

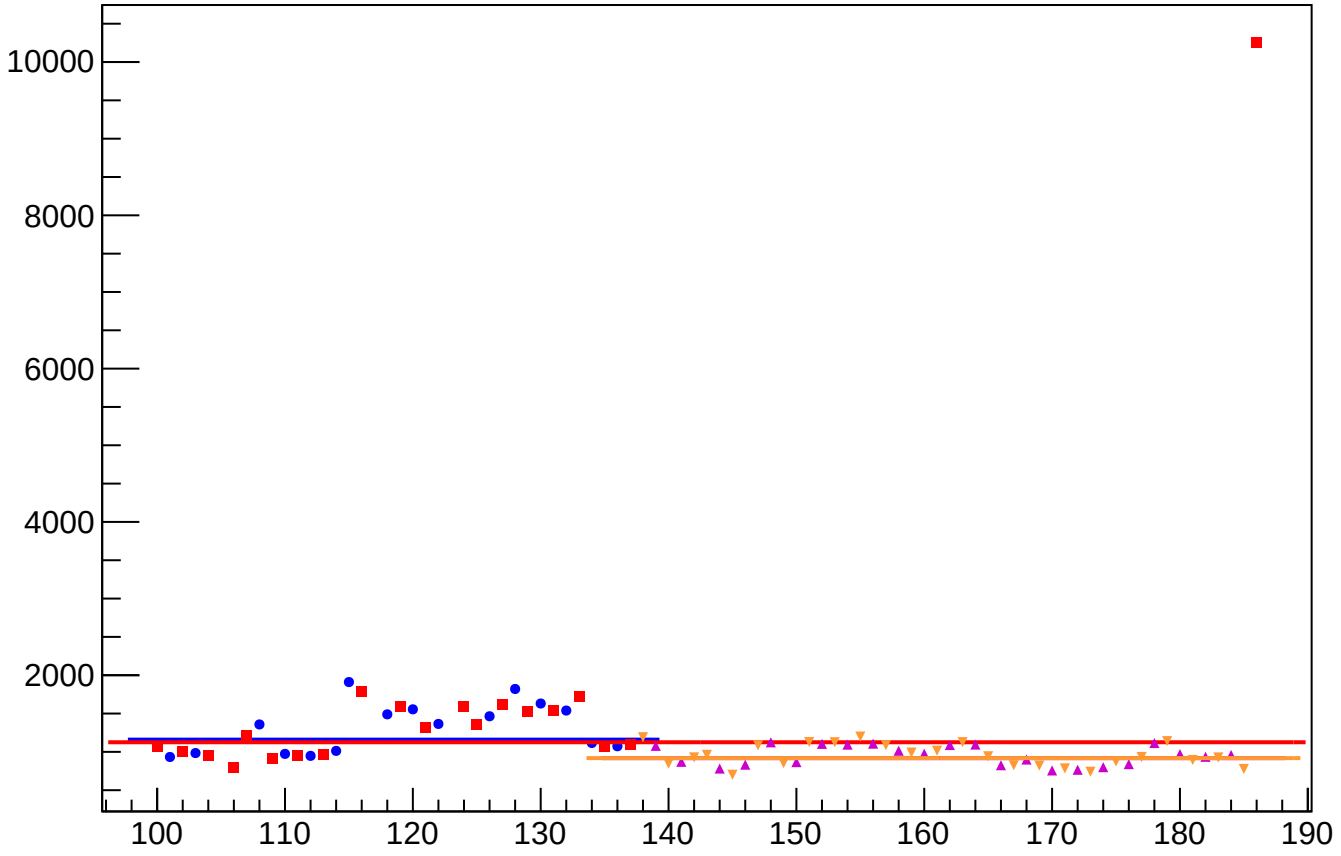
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -811.741+/-191.156 χ^2/NDF: 72.9/40

All: -566.024+/-135.903 χ^2/NDF: 122.3/83

- sign -314.889+/-193.253 χ^2/NDF: 46.0/42

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1125.379+/-0.300 χ^2/NDF: 1436331.6/19

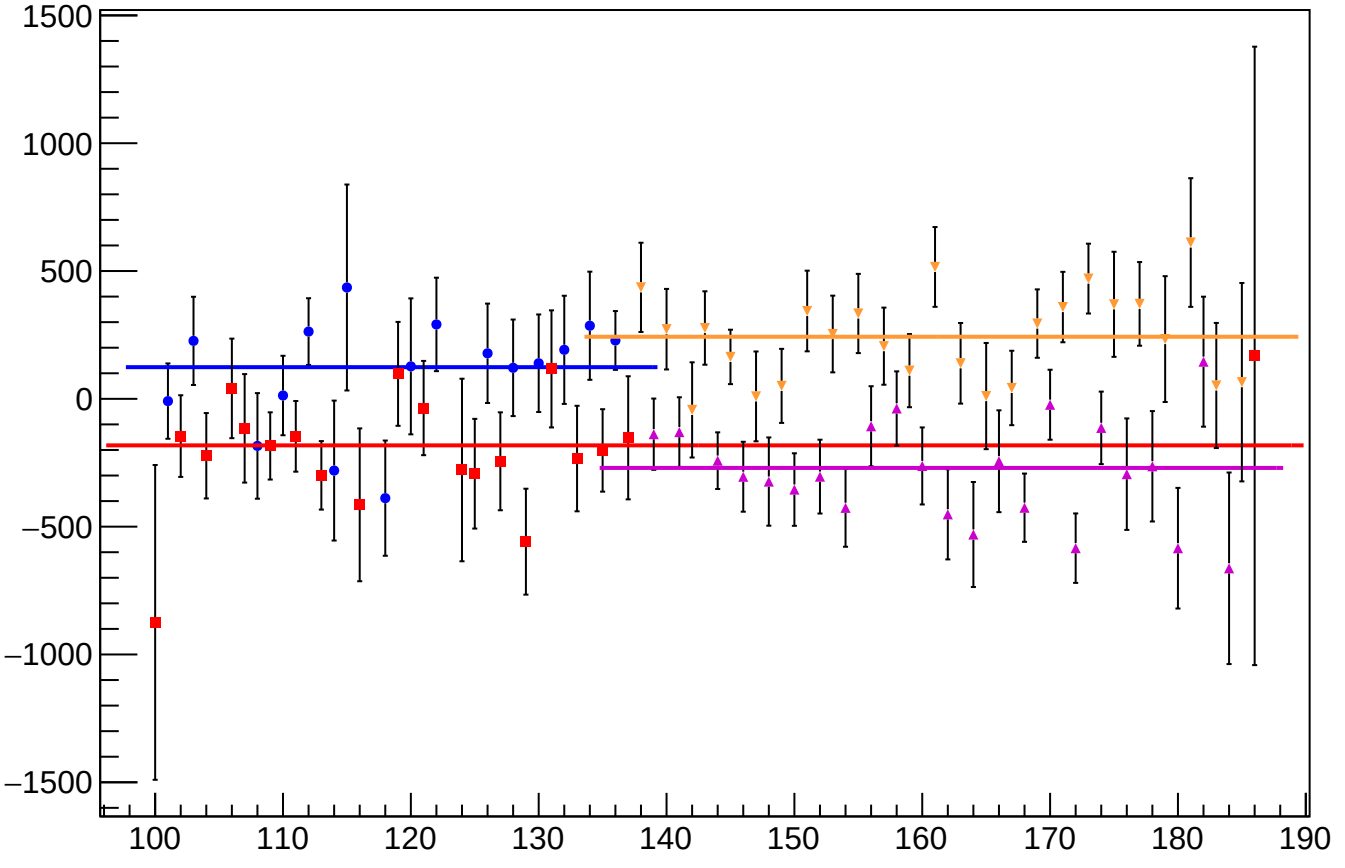
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 963.194+/-0.135 χ^2/NDF: 2051865.2/40

All: 962.270+/-0.096 χ^2/NDF: 4533310.3/83

- sign 961.326+/-0.137 χ^2/NDF: 2481350.7/42

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -182.020+/-43.197 χ^2/NDF: 12.4/19

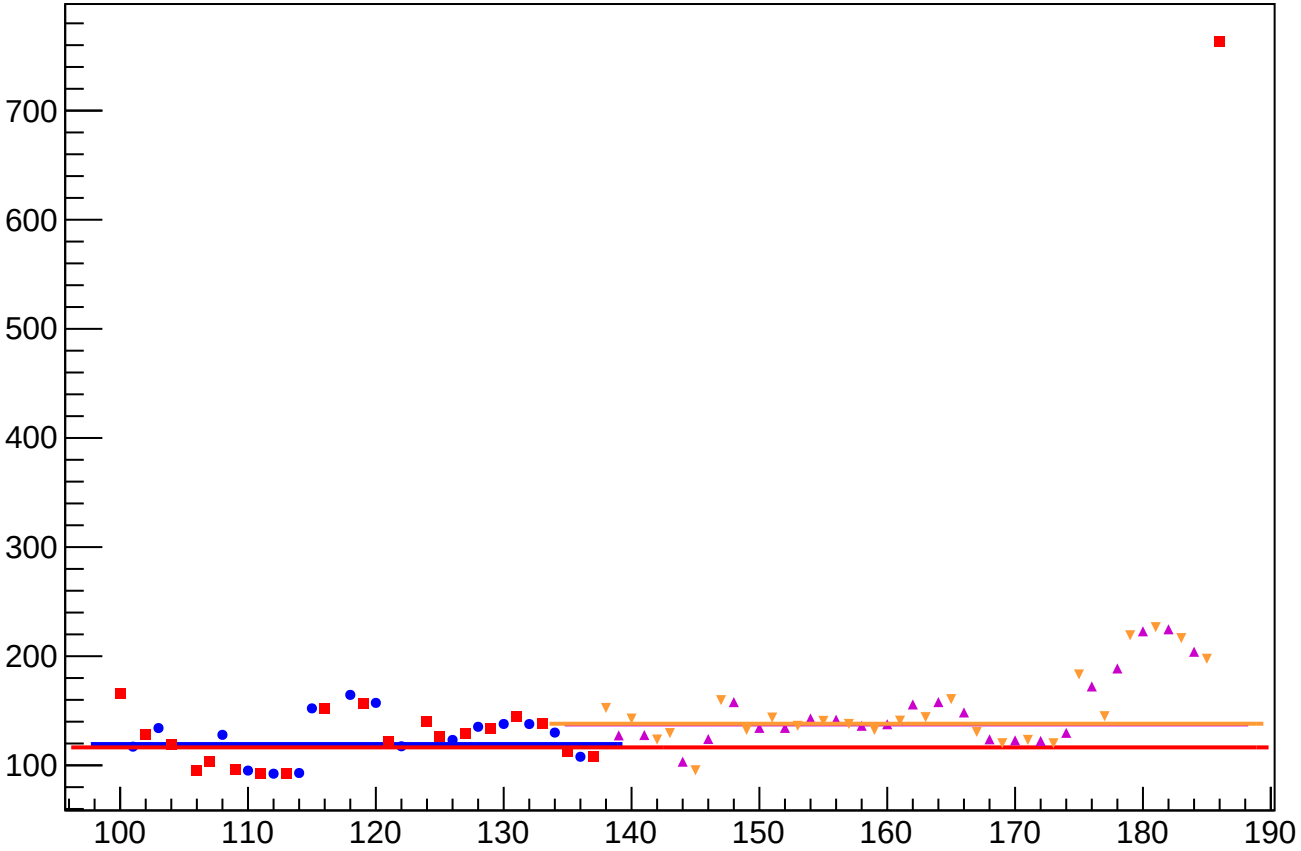
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 202.976+/-26.200 χ^2/NDF: 43.7/40

All: -17.698+/-18.515 χ^2/NDF: 227.1/83

- sign -237.863+/-26.170 χ^2/NDF: 41.7/42

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 116.448+/-0.031 χ^2/NDF: 999518.5/19

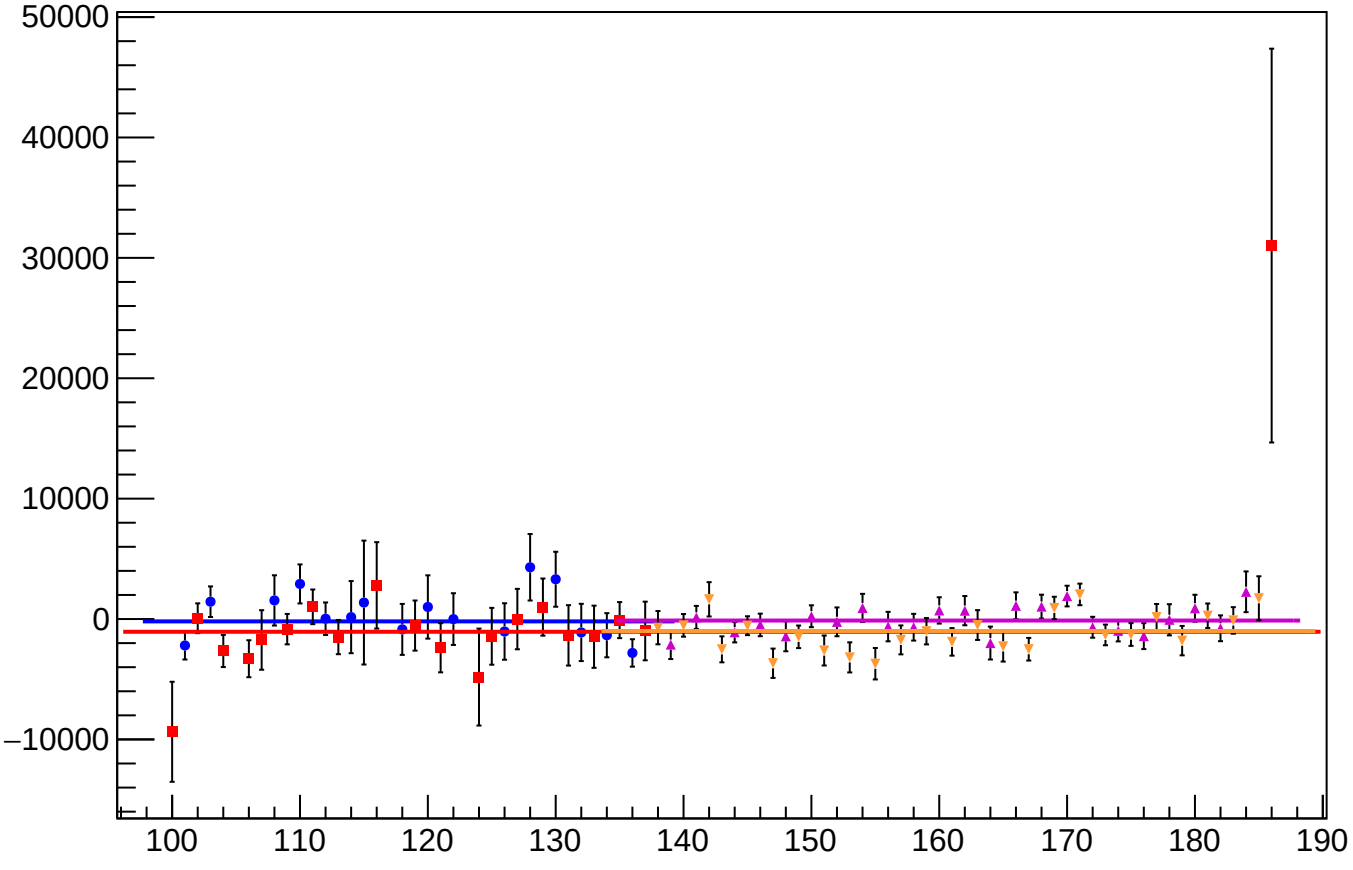
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 131.878+/-0.019 χ^2/NDF: 1944045.6/40

All: 130.821+/-0.013 χ^2/NDF: 4359828.4/83

- sign 129.768+/-0.019 χ^2/NDF: 2409290.8/42

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1057.638+/-425.806 χ^2/NDF: 18.4/19

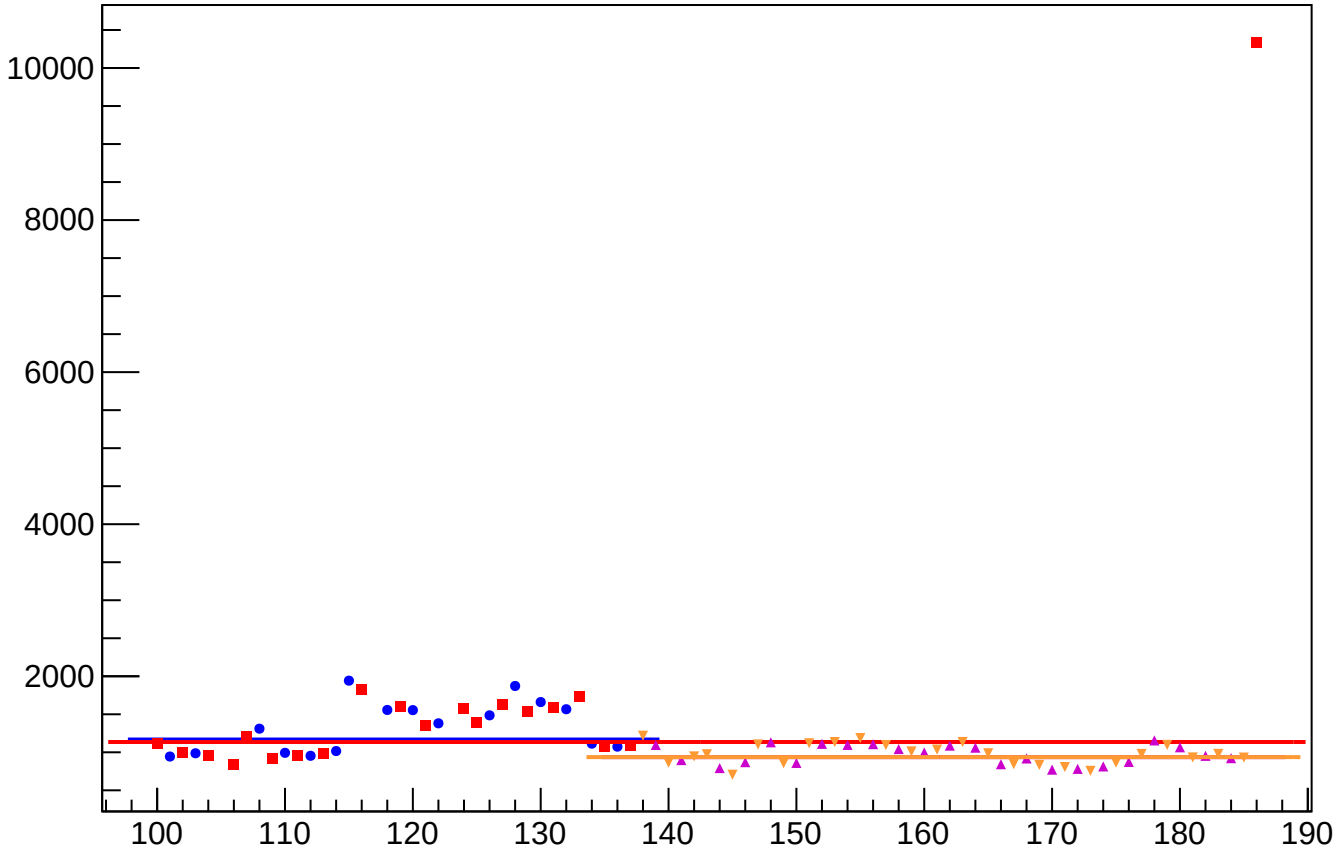
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -842.723+/-194.257 χ^2/NDF: 69.9/40

All: -585.885+/-138.115 χ^2/NDF: 119.5/83

- sign -323.322+/-196.410 χ^2/NDF: 46.1/42

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1135.555+/-0.301 χ^2/NDF: 1440317.7/19

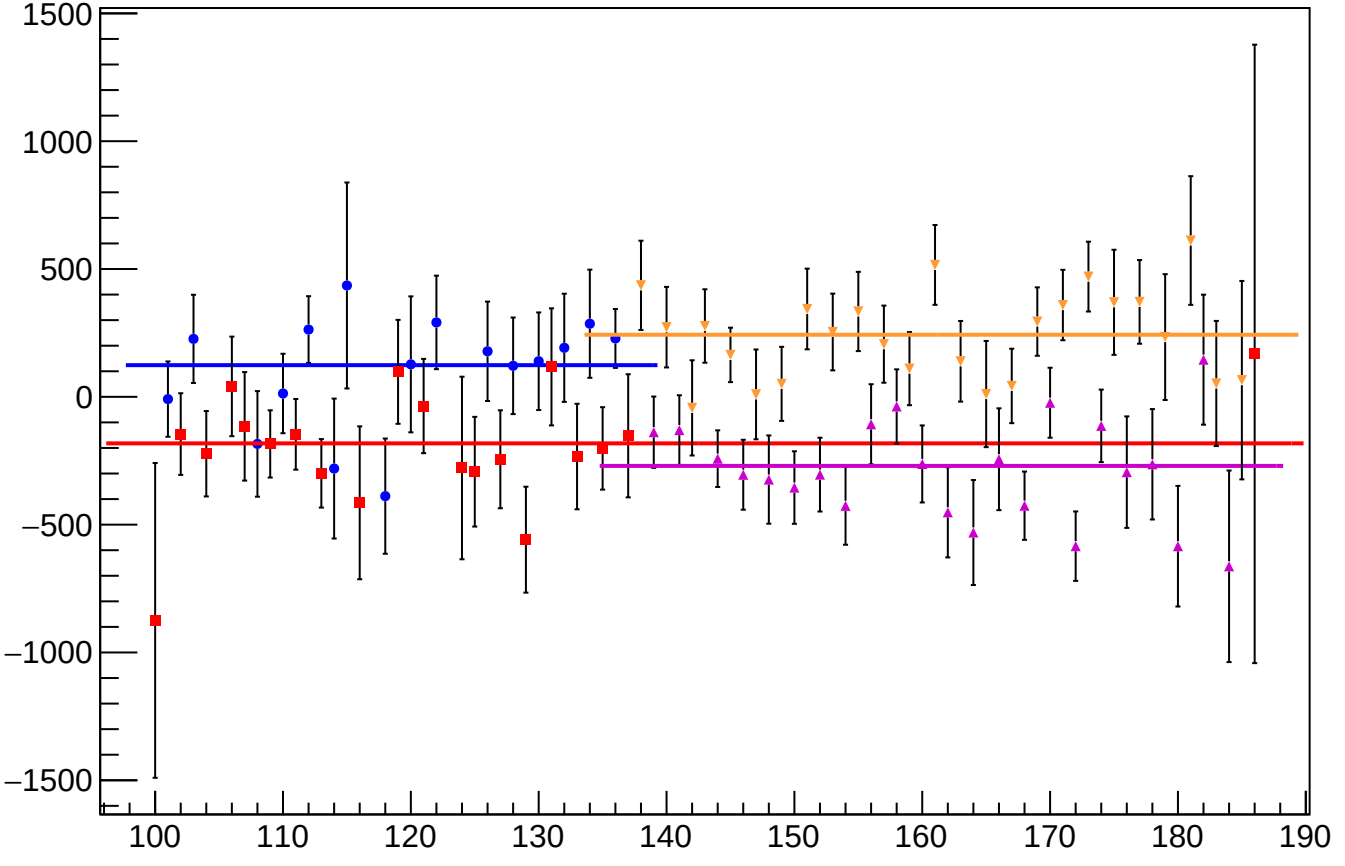
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 980.365+/-0.137 χ^2/NDF: 1975760.6/40

All: 979.571+/-0.098 χ^2/NDF: 4403387.5/83

- sign 978.758+/-0.139 χ^2/NDF: 2427559.2/42

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -182.021+/-43.197 χ^2/NDF: 12.4/19

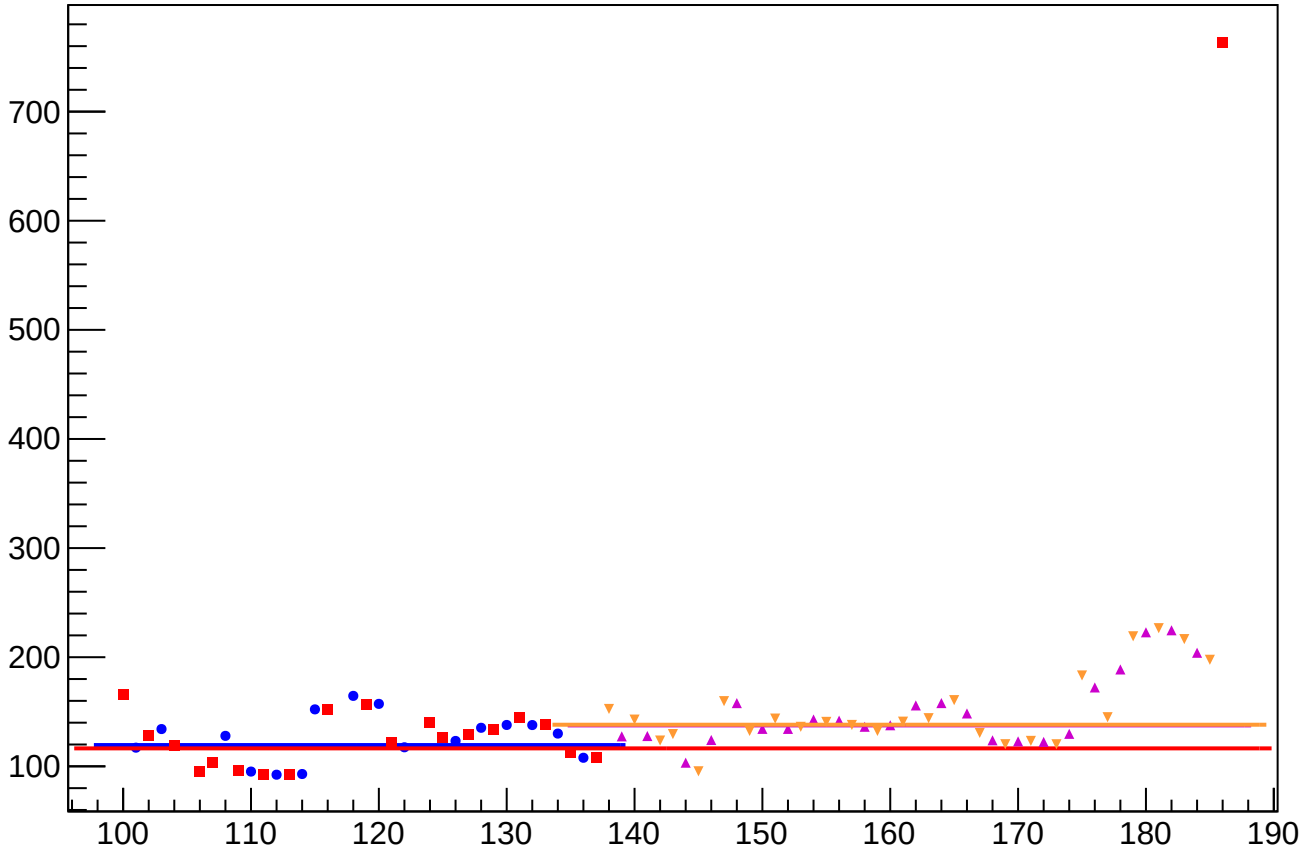
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 202.978+/-26.200 χ^2/NDF: 43.7/40

All: -17.697+/-18.515 χ^2/NDF: 227.1/83

- sign -237.864+/-26.170 χ^2/NDF: 41.7/42

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

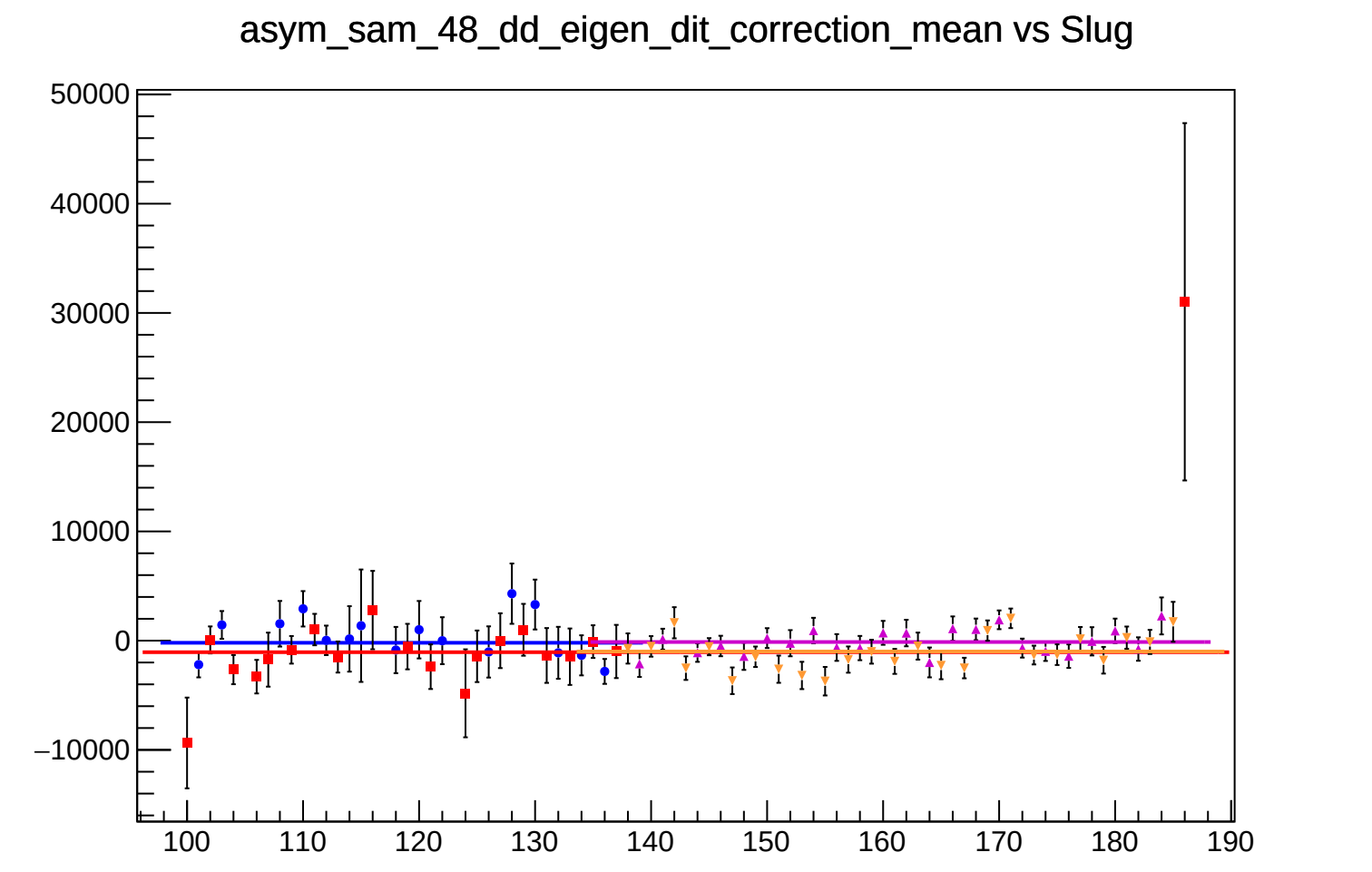
Right Out: 116.448+/-0.031 χ^2/NDF: 999521.6/19

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 131.878+/-0.019 χ^2/NDF: 1944051.7/40

All: 130.821+/-0.013 χ^2/NDF: 4359825.0/83

- sign 129.768+/-0.019 χ^2/NDF: 2409281.1/42



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1057.638+/-425.806 χ^2/NDF: 18.4/19

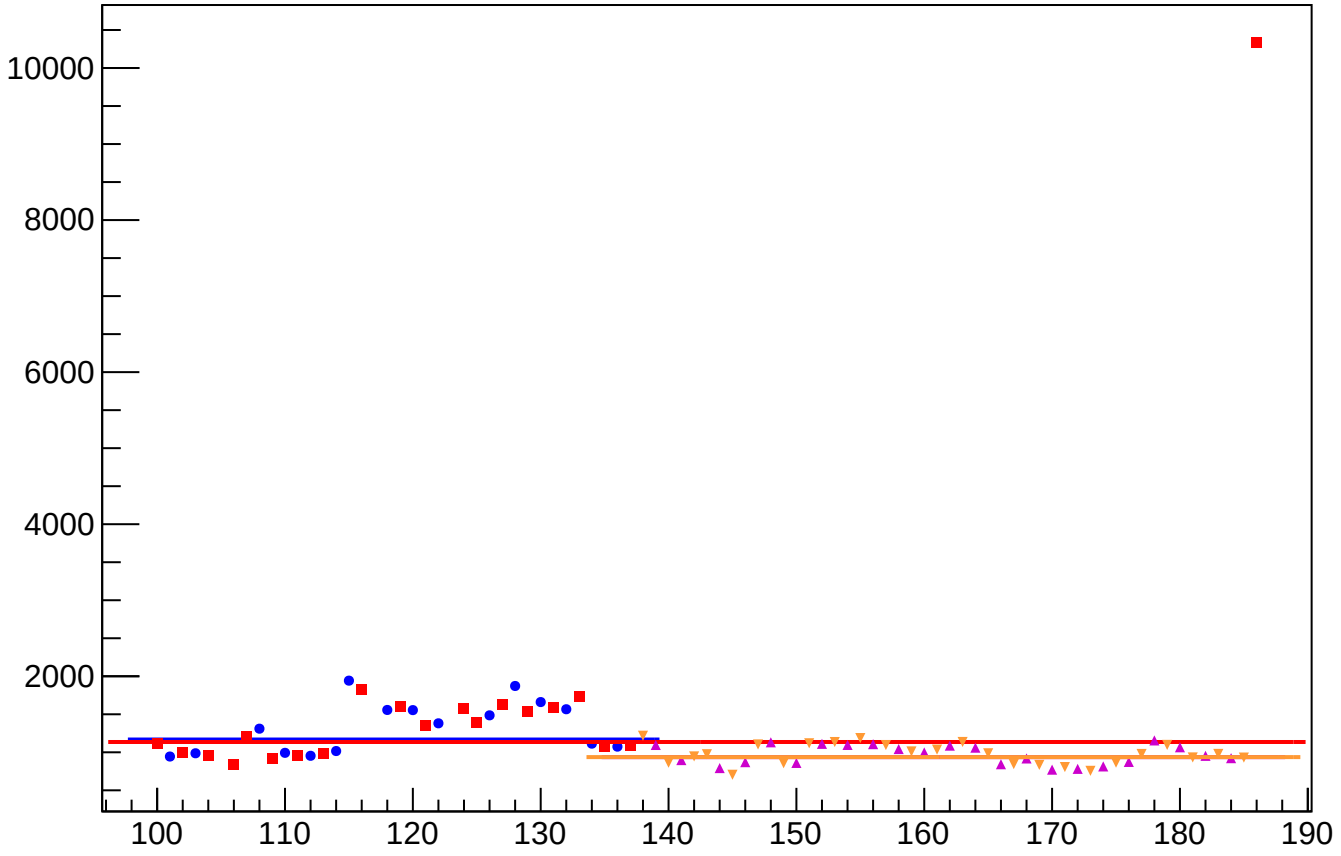
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -842.722+/-194.257 χ^2/NDF: 69.9/40

All: -585.884+/-138.115 χ^2/NDF: 119.5/83

- sign -323.321+/-196.410 χ^2/NDF: 46.1/42

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1135.555+/-0.301 χ^2/NDF: 1440318.7/19

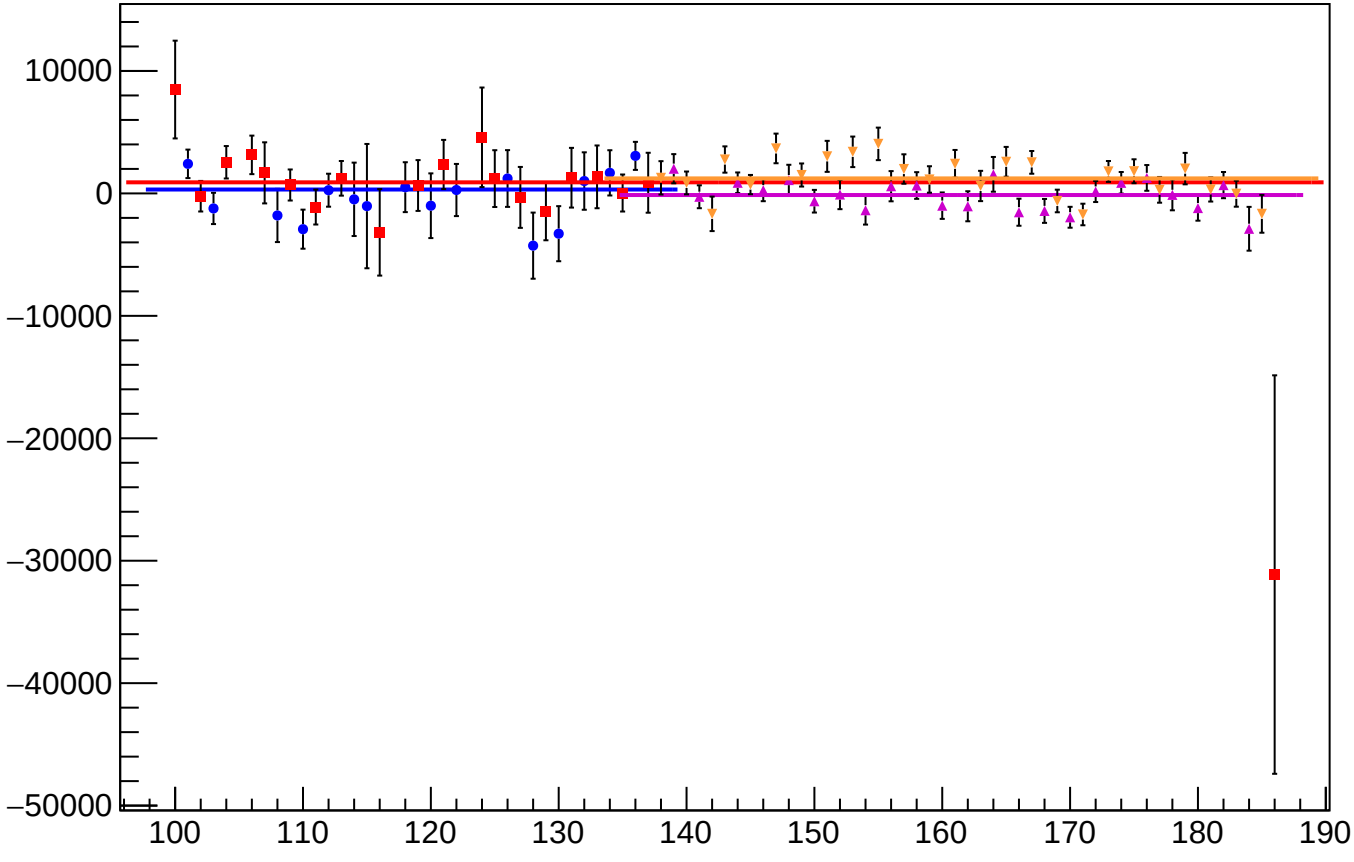
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 980.364+/-0.137 χ^2/NDF: 1975769.1/40

All: 979.570+/-0.098 χ^2/NDF: 4403398.3/83

- sign 978.757+/-0.139 χ^2/NDF: 2427561.5/42

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 904.142+/-425.259 χ^2/NDF: 18.4/19

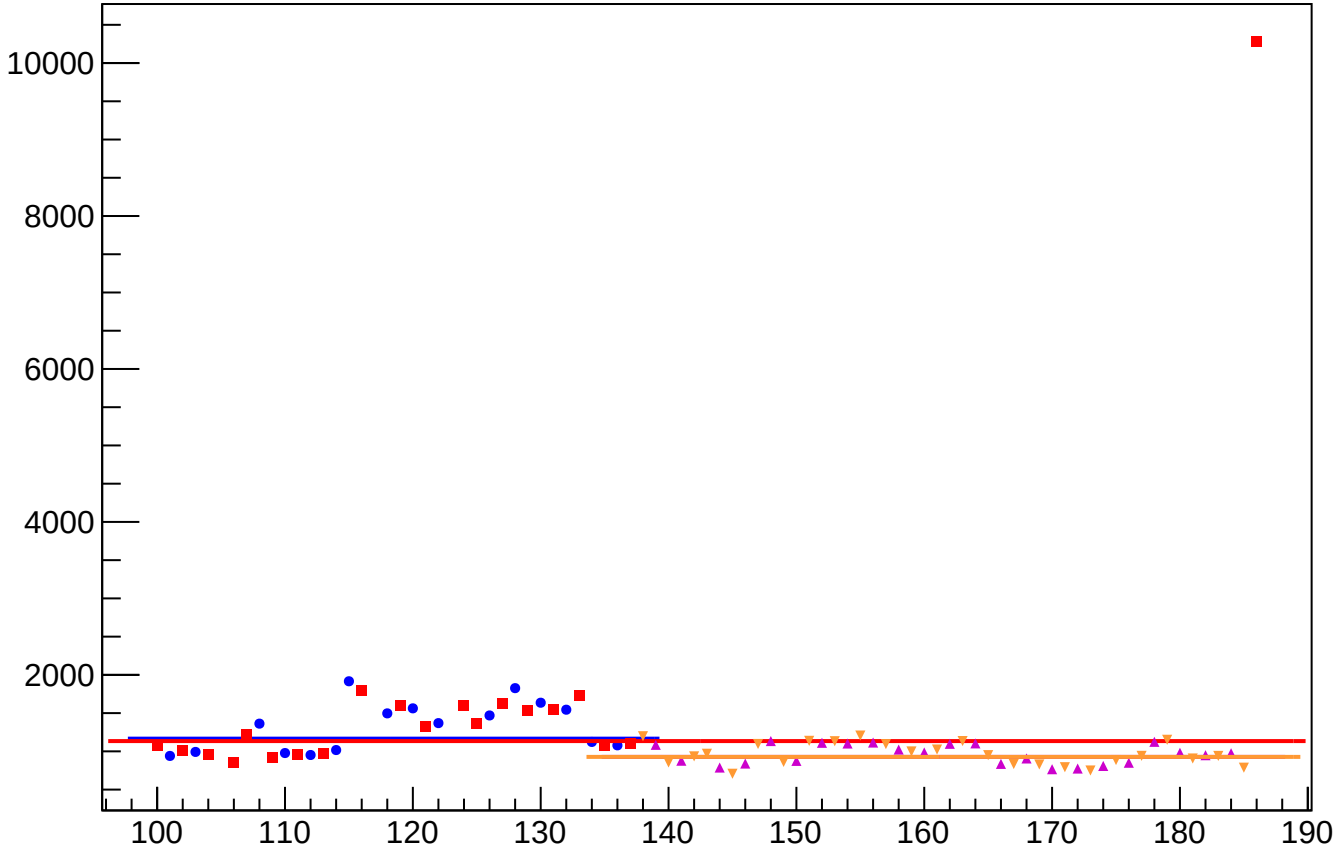
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1055.980+/-192.852 χ^2/NDF: 74.0/40

All: 575.588+/-137.083 χ^2/NDF: 135.5/83

- sign 84.967+/-194.894 χ^2/NDF: 49.0/42

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1134.258+/-0.301 χ^2/NDF: 1408146.1/19

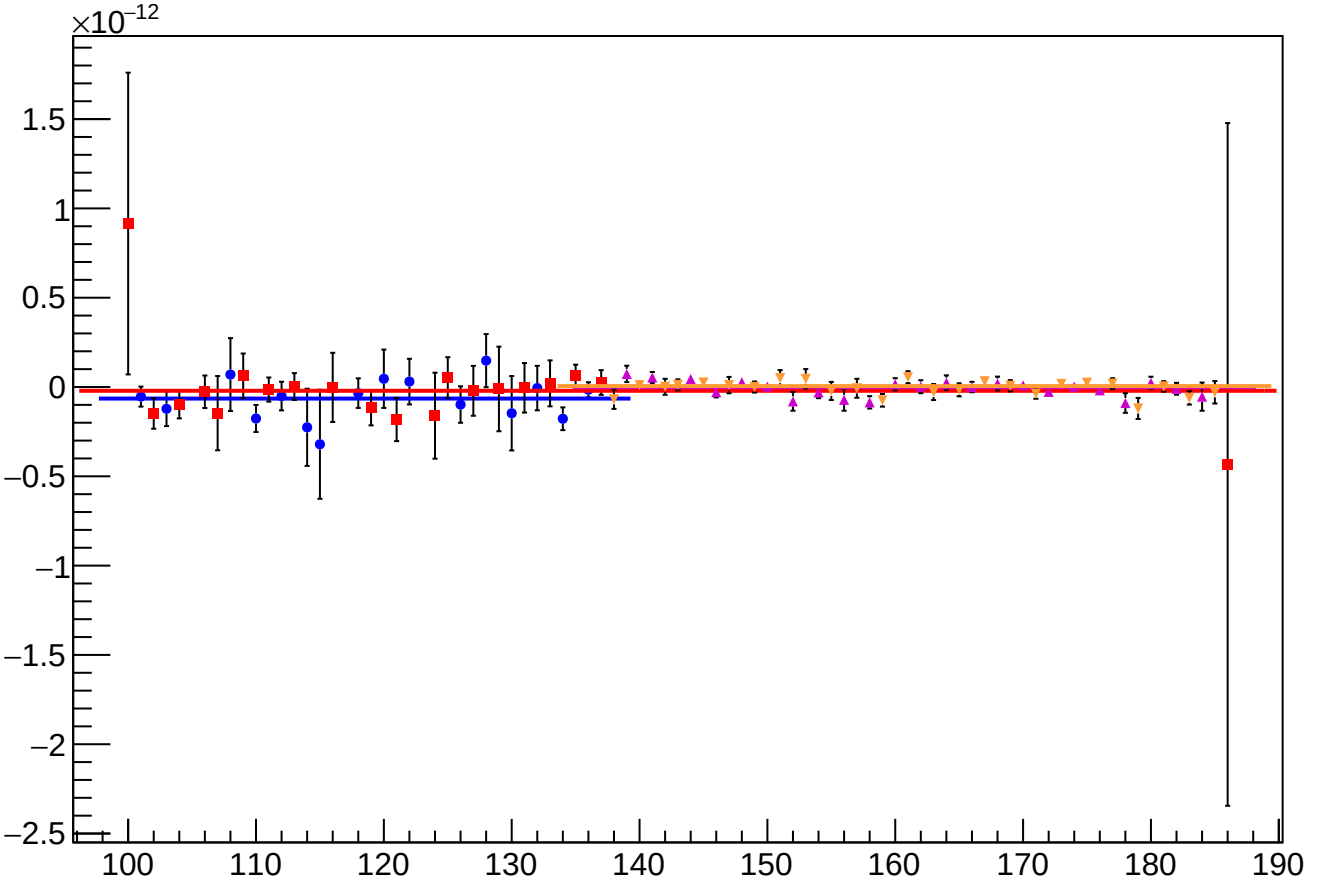
Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 972.125+/-0.136 χ^2/NDF: 2016425.8/40

All: 971.462+/-0.097 χ^2/NDF: 4455275.9/83

- sign 970.785+/-0.138 χ^2/NDF: 2438802.3/42

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

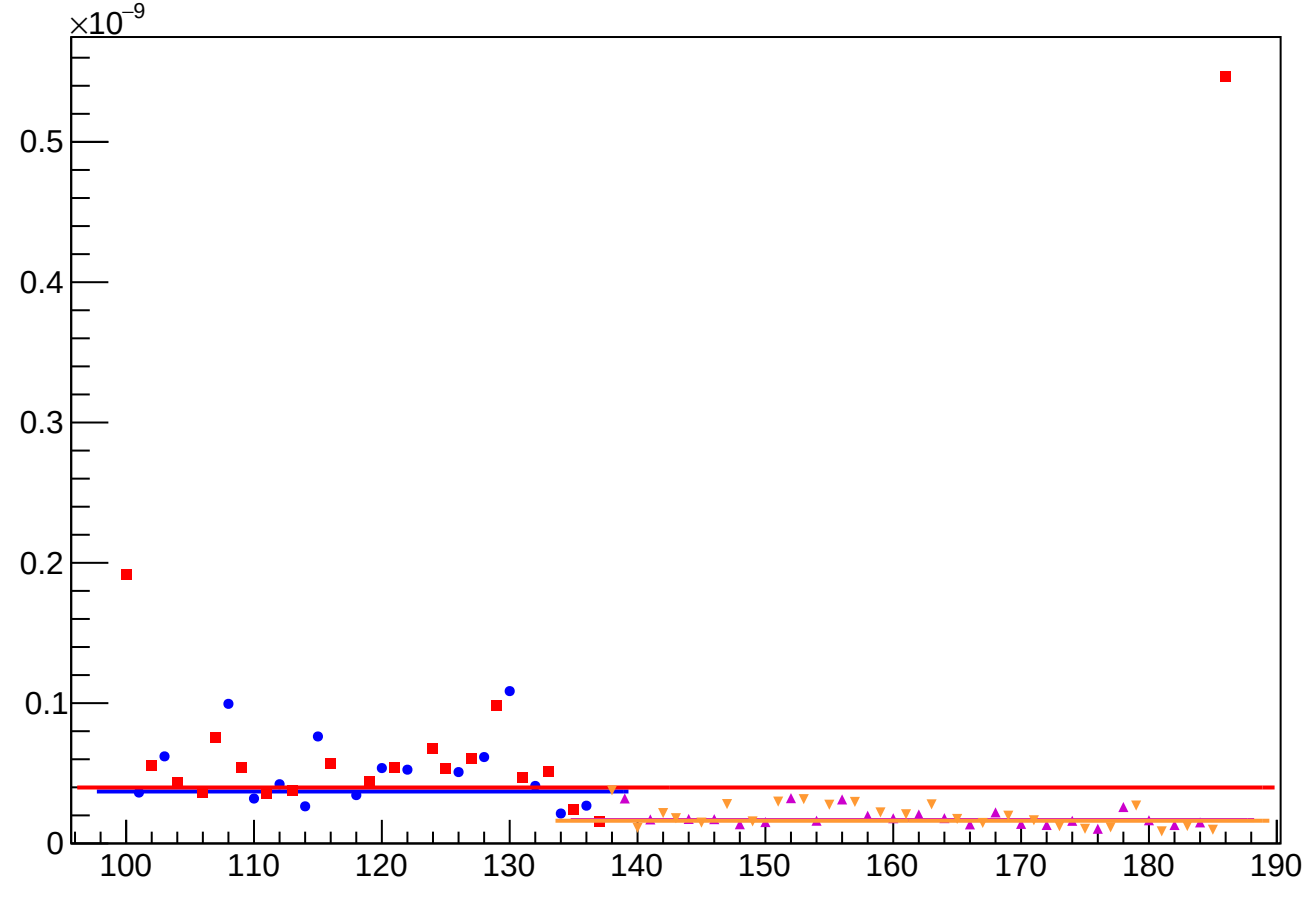
Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/19

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.3/40

All: -0.000+/-0.000 χ^2/NDF: 87.2/83

- sign -0.000+/-0.000 χ^2/NDF: 39.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1044230.8/19

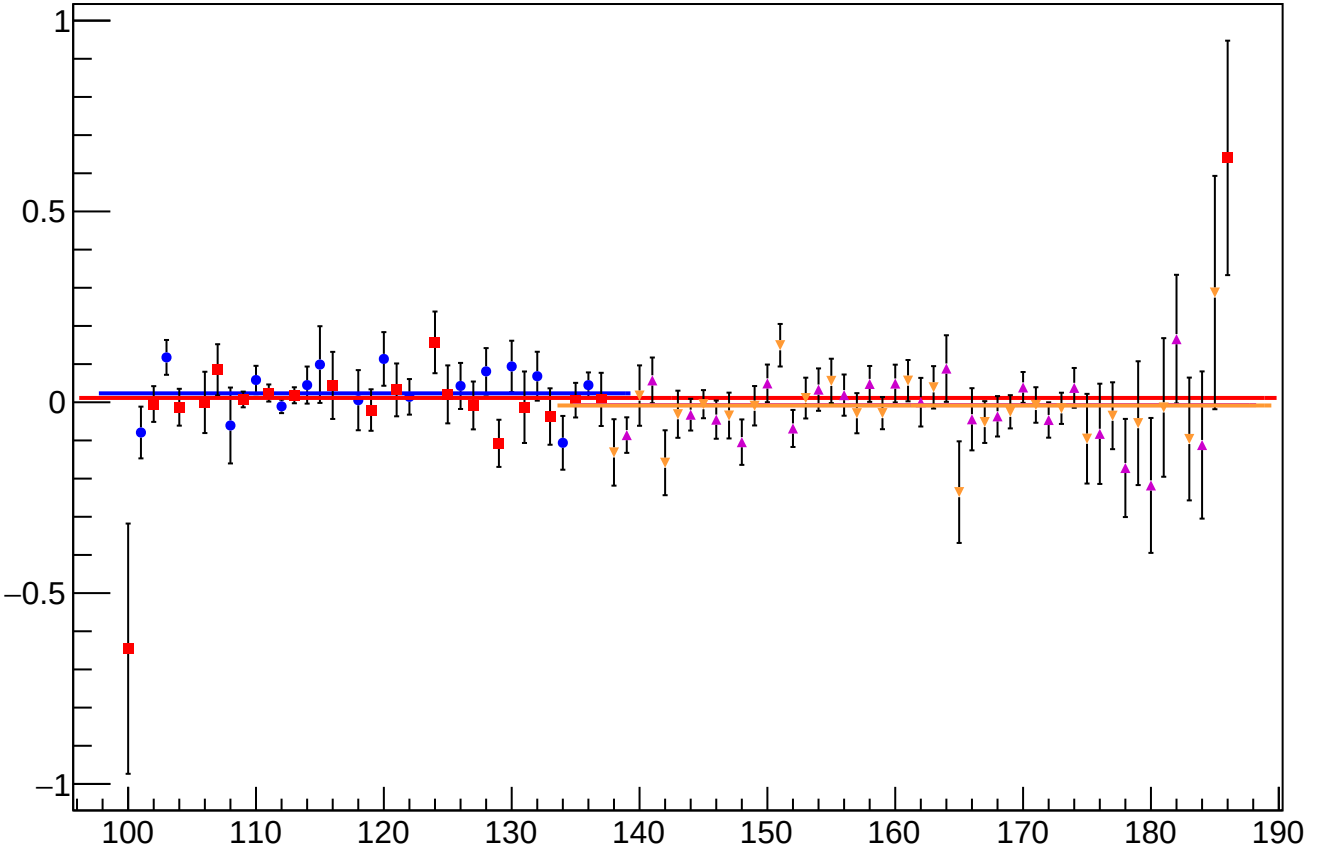
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 4683172.0/40

All: 0.000+/-0.000 χ^2/NDF: 8523351.7/83

- sign 0.000+/-0.000 χ^2/NDF: 3828794.1/42

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.011+/-0.010 χ^2/NDF: 18.4/19

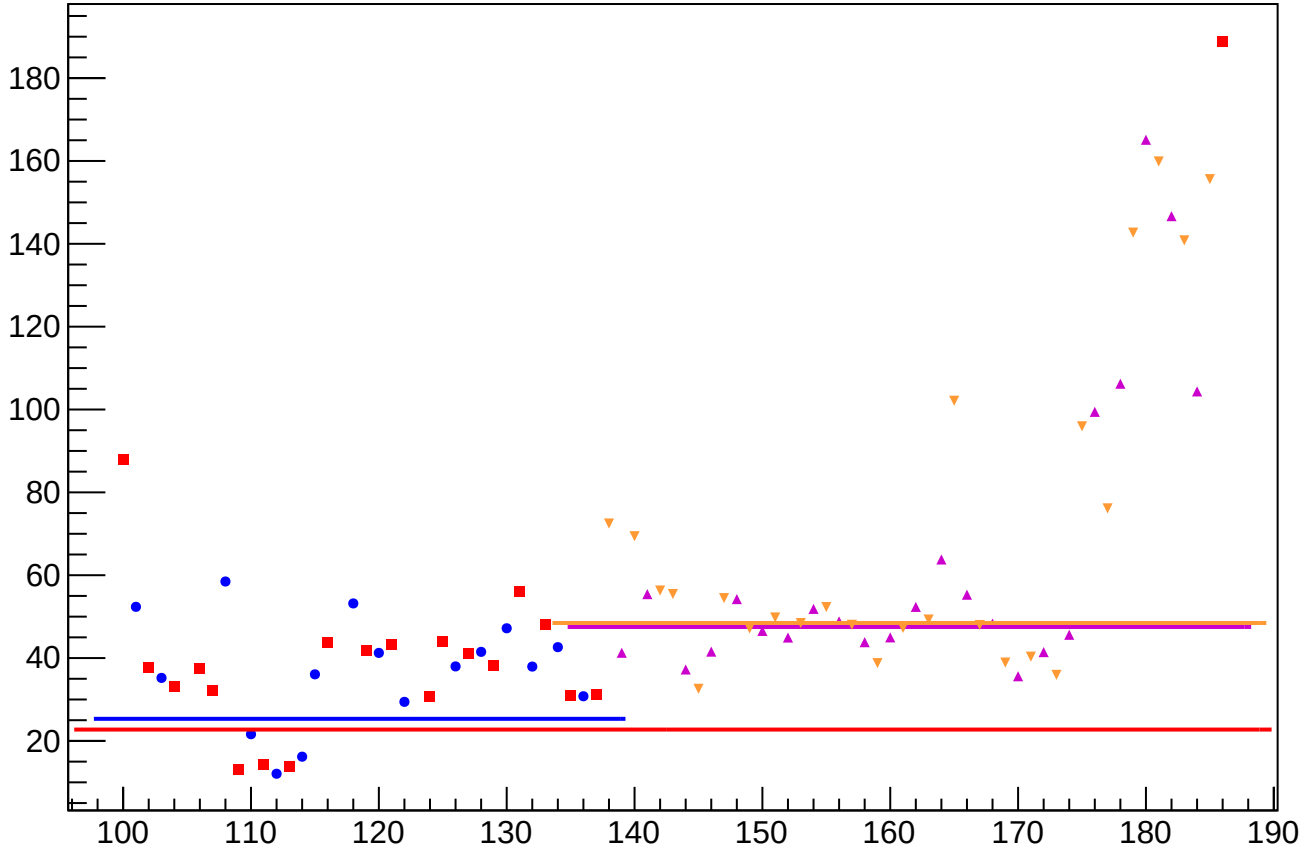
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 47.7/40

All: 0.006+/-0.006 χ^2/NDF: 91.0/83

- sign 0.004+/-0.008 χ^2/NDF: 43.1/42

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

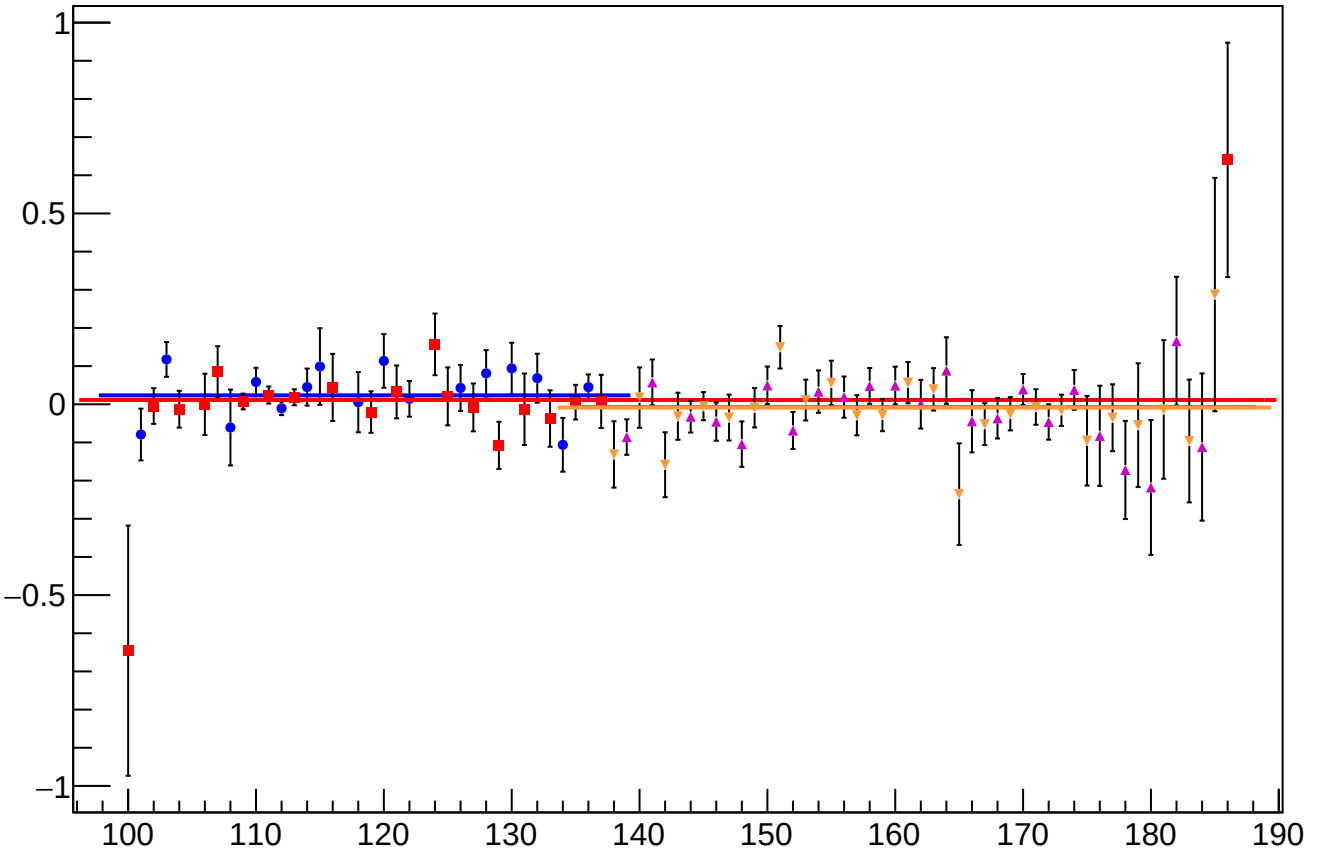
Right Out: 22.741+/-0.007 χ^2/NDF: 3725307.4/19

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 35.963+/-0.006 χ^2/NDF: 11313616.2/40

All: 34.173+/-0.004 χ^2/NDF: 23389820.0/83

- sign 32.614+/-0.005 χ^2/NDF: 11895182.4/42



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

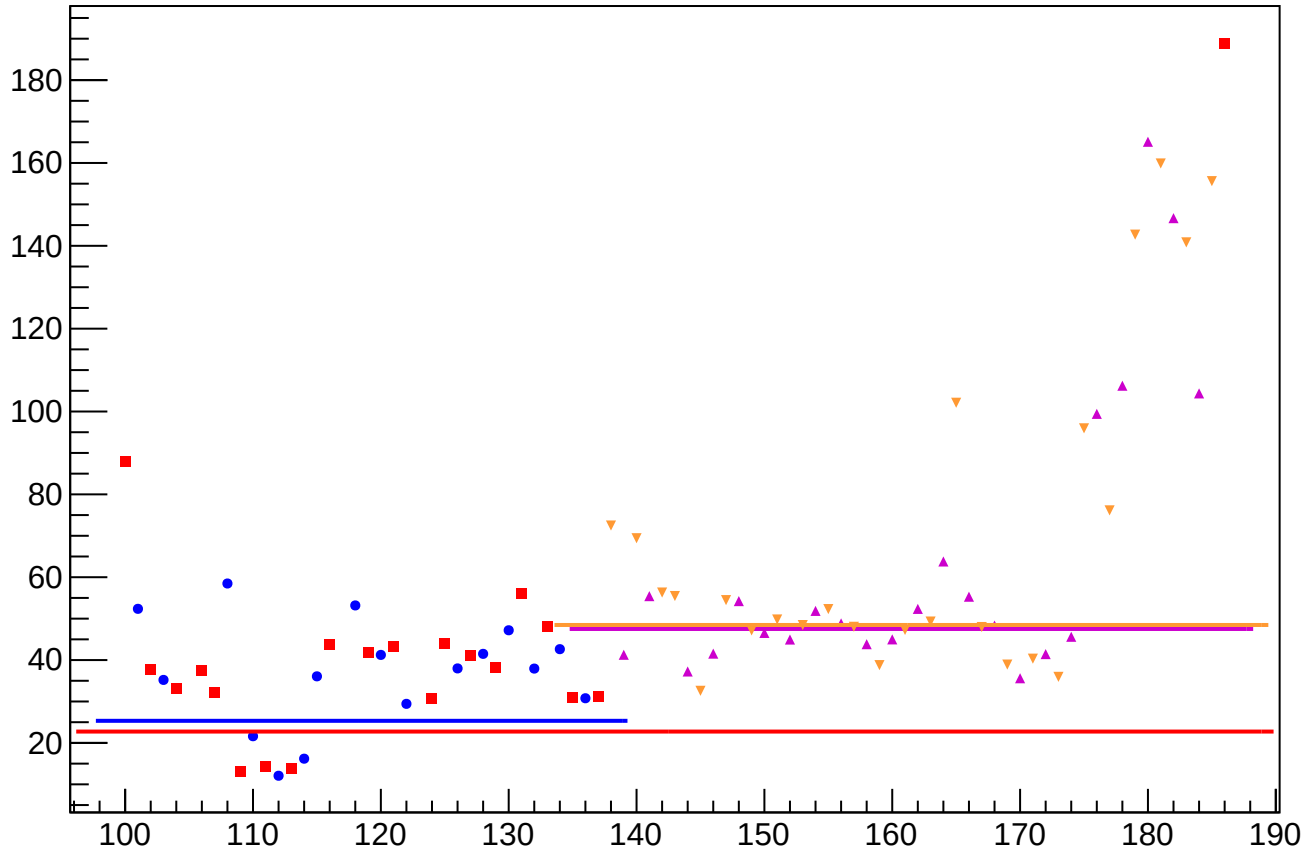
Right Out: 0.011+/-0.010 χ^2/NDF: 18.4/19

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 47.7/40

All: 0.006+/-0.006 χ^2/NDF: 91.0/83

- sign 0.004+/-0.008 χ^2/NDF: 43.1/42



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

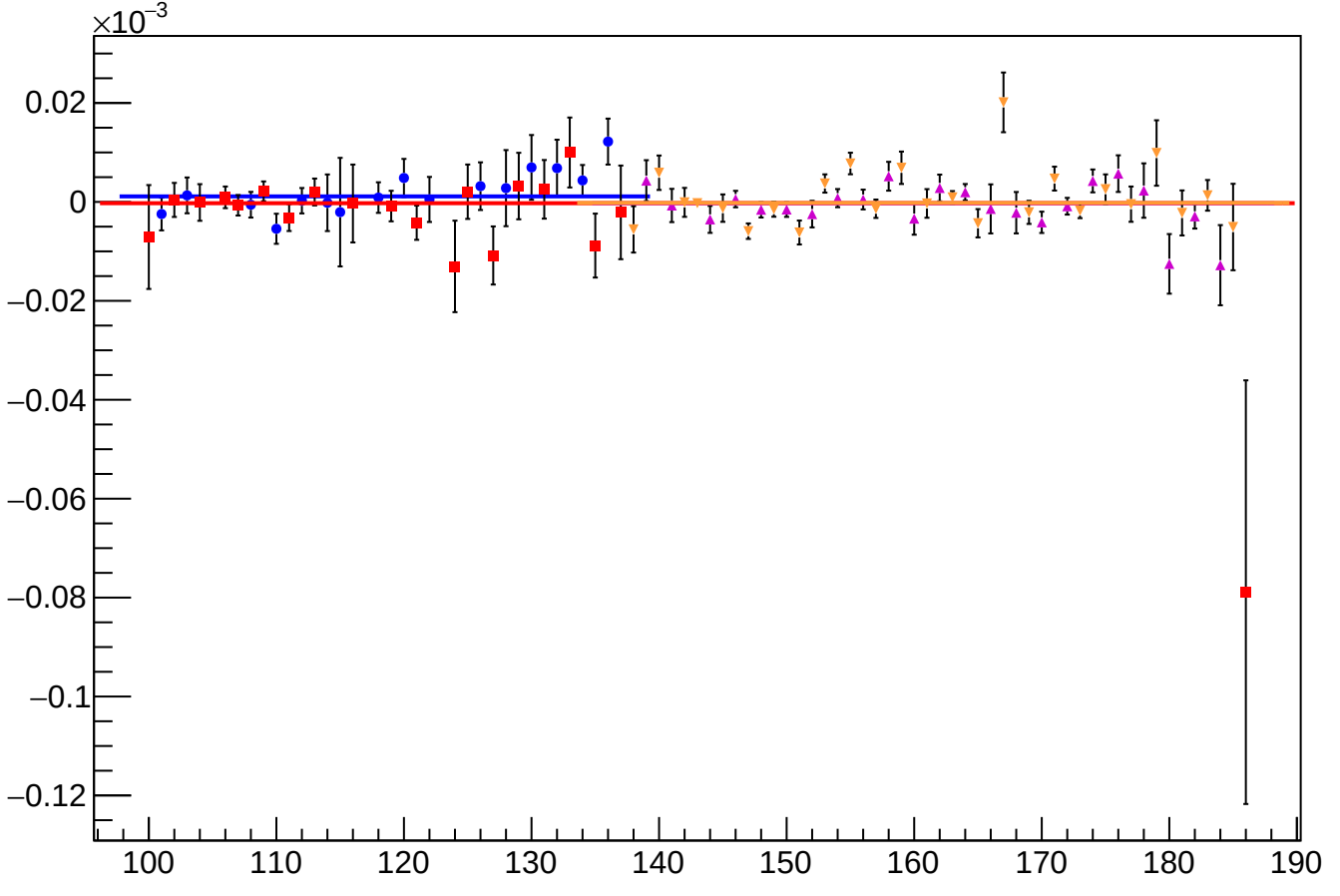
Right Out: 22.741+/-0.007 χ^2/NDF: 3725307.4/19

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 35.963+/-0.006 χ^2/NDF: 11313616.2/40

All: 34.173+/-0.004 χ^2/NDF: 23389820.0/83

- sign 32.614+/-0.005 χ^2/NDF: 11895182.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

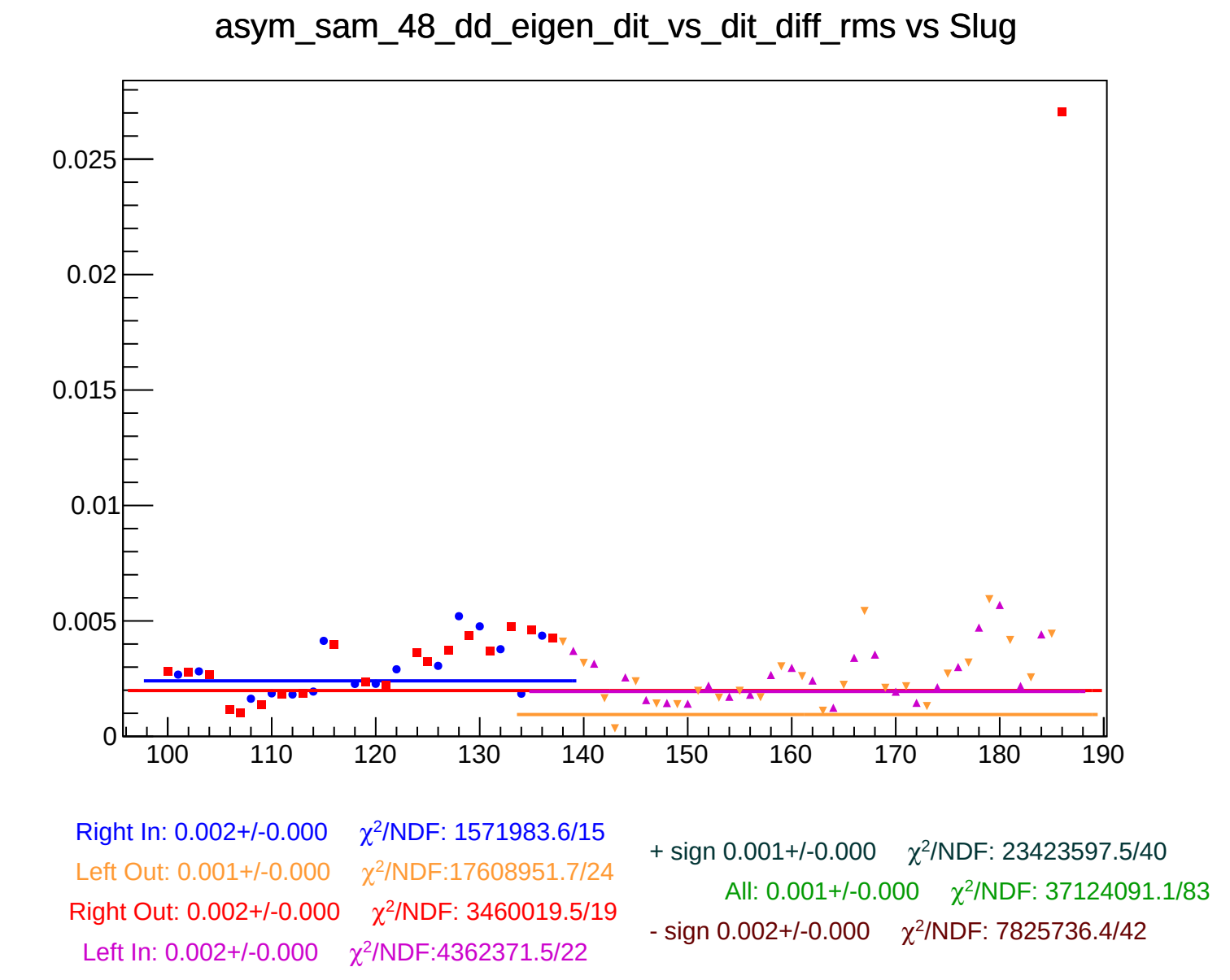
Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/19

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

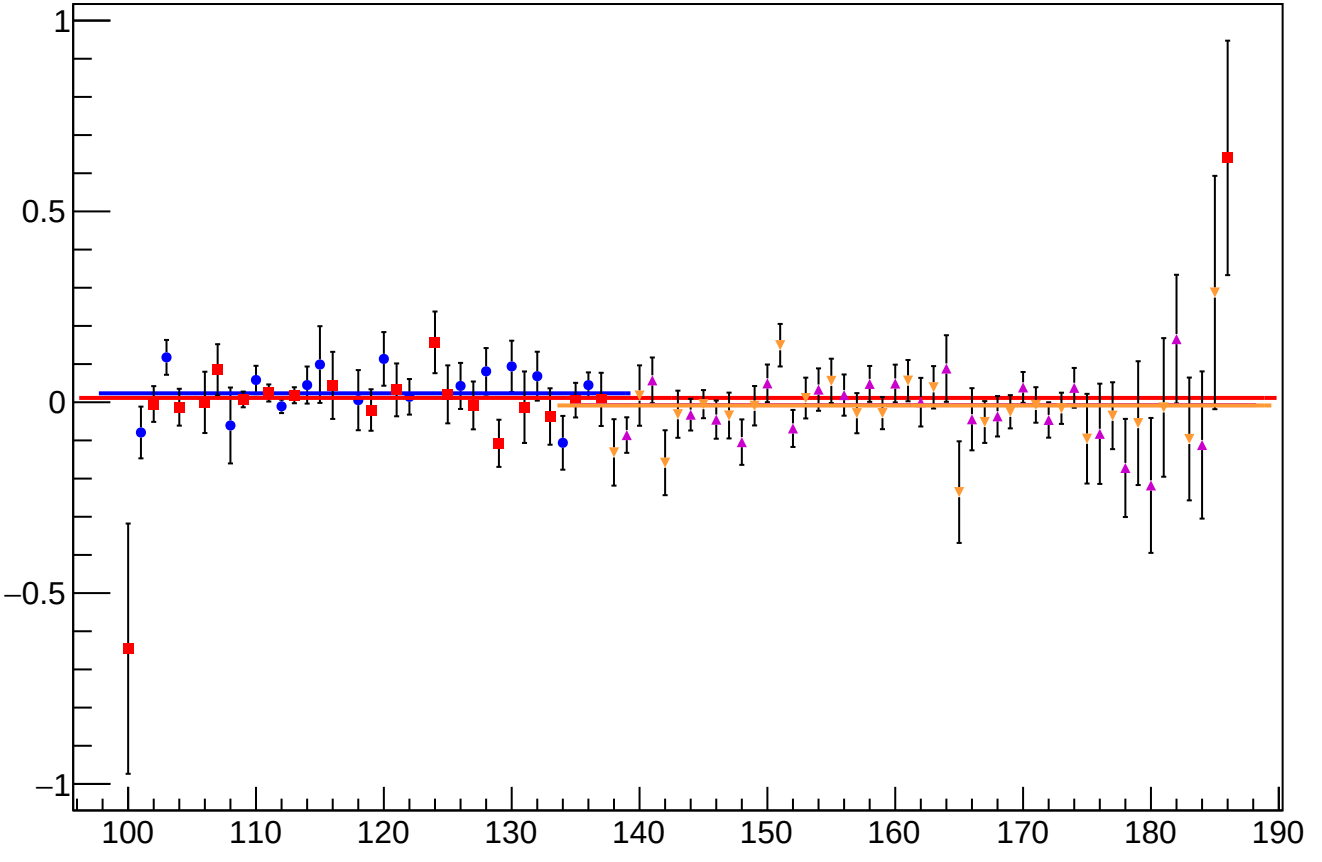
+ sign -0.000+/-0.000 χ^2/NDF: 89.6/40

All: -0.000+/-0.000 χ^2/NDF: 139.1/83

- 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: 1571983.6/15
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: 23423597.5/40
All: 0.001+/-0.000 χ²/NDF: 37124091.1/83
- sign 0.002+/-0.000 χ²/NDF: 7825736.4/42

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

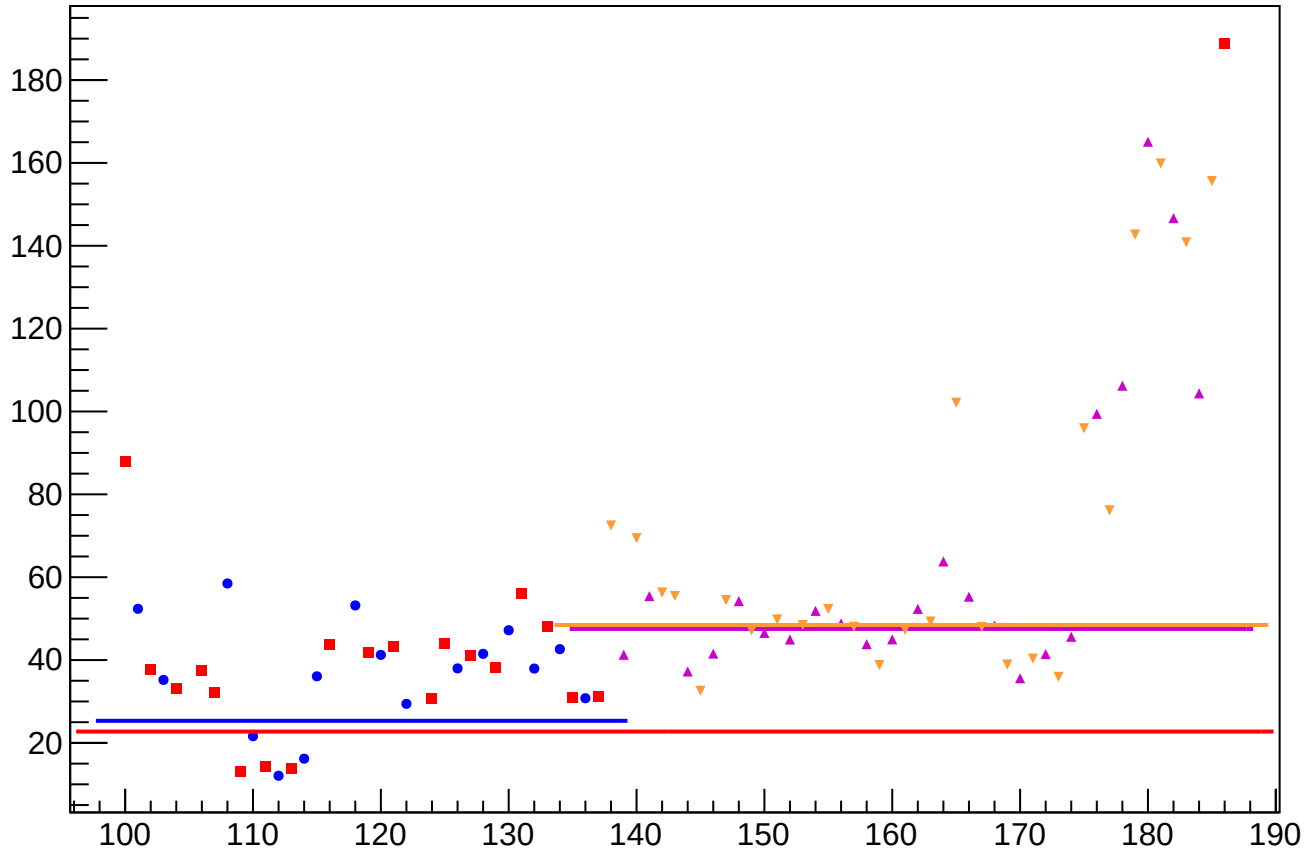
Right Out: 0.011+/-0.010 χ^2/NDF: 18.4/19

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 47.7/40

All: 0.006+/-0.006 χ^2/NDF: 91.0/83

- sign 0.004+/-0.008 χ^2/NDF: 43.1/42



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

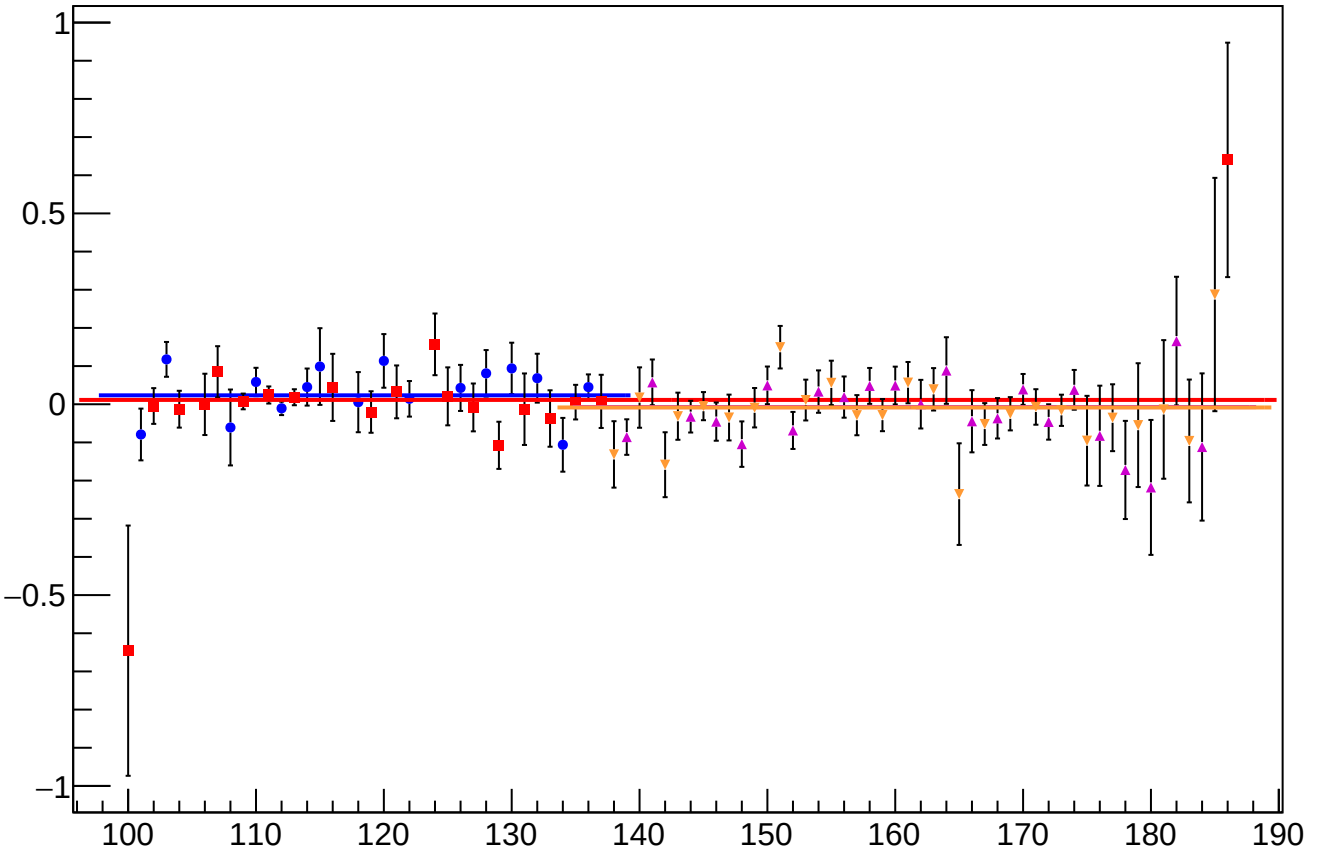
Right Out: 22.740+/-0.007 χ^2/NDF: 3725441.3/19

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 35.962+/-0.006 χ^2/NDF: 11314639.1/40

All: 34.173+/-0.004 χ^2/NDF: 23391089.2/83

- sign 32.613+/-0.005 χ^2/NDF: 11895508.2/42



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

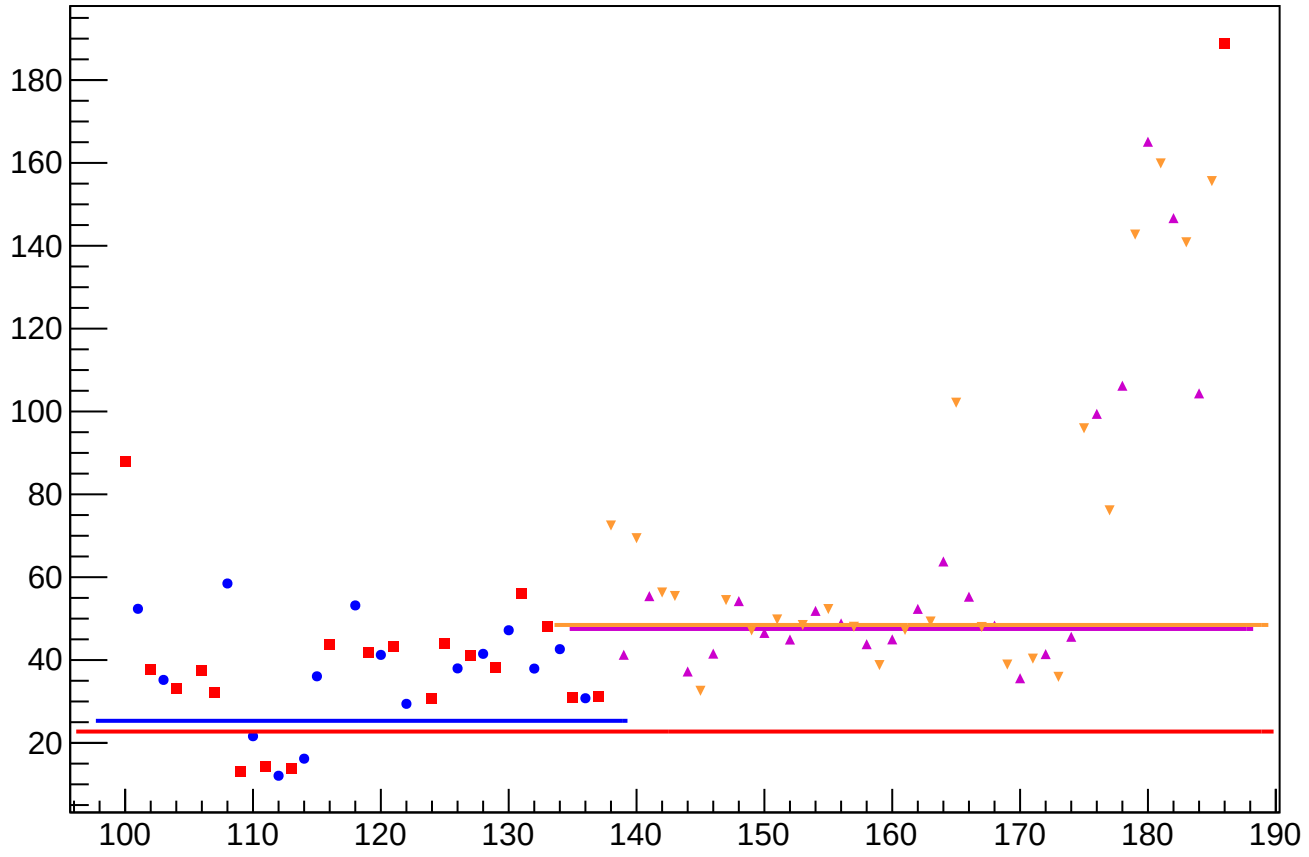
Right Out: 0.011+/-0.010 χ^2/NDF: 18.4/19

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 47.7/40

All: 0.006+/-0.006 χ^2/NDF: 91.0/83

- sign 0.004+/-0.008 χ^2/NDF: 43.1/42



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

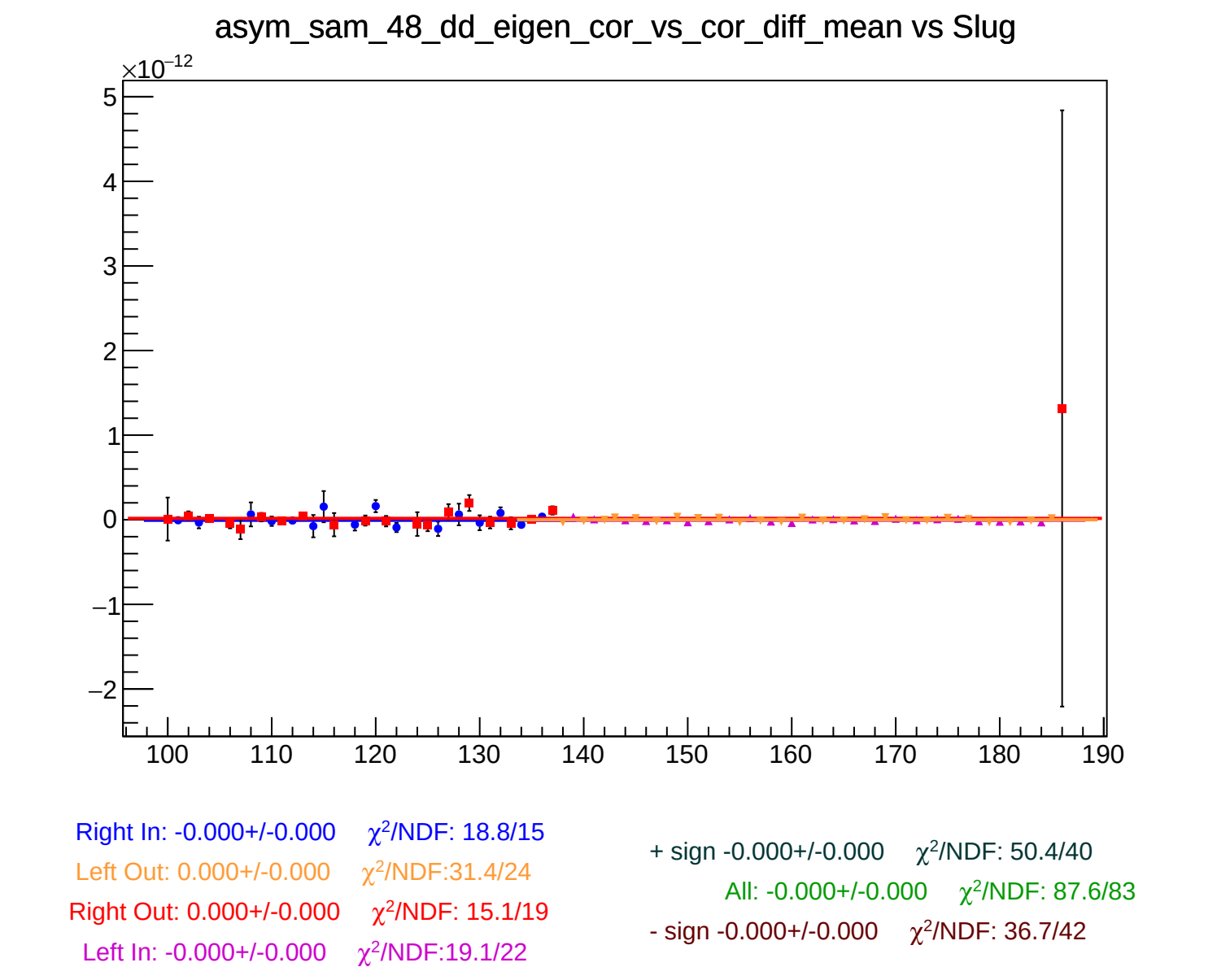
Right Out: 22.740+/-0.007 χ^2/NDF: 3725441.3/19

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 35.962+/-0.006 χ^2/NDF: 11314639.1/40

All: 34.173+/-0.004 χ^2/NDF: 23391089.2/83

- 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
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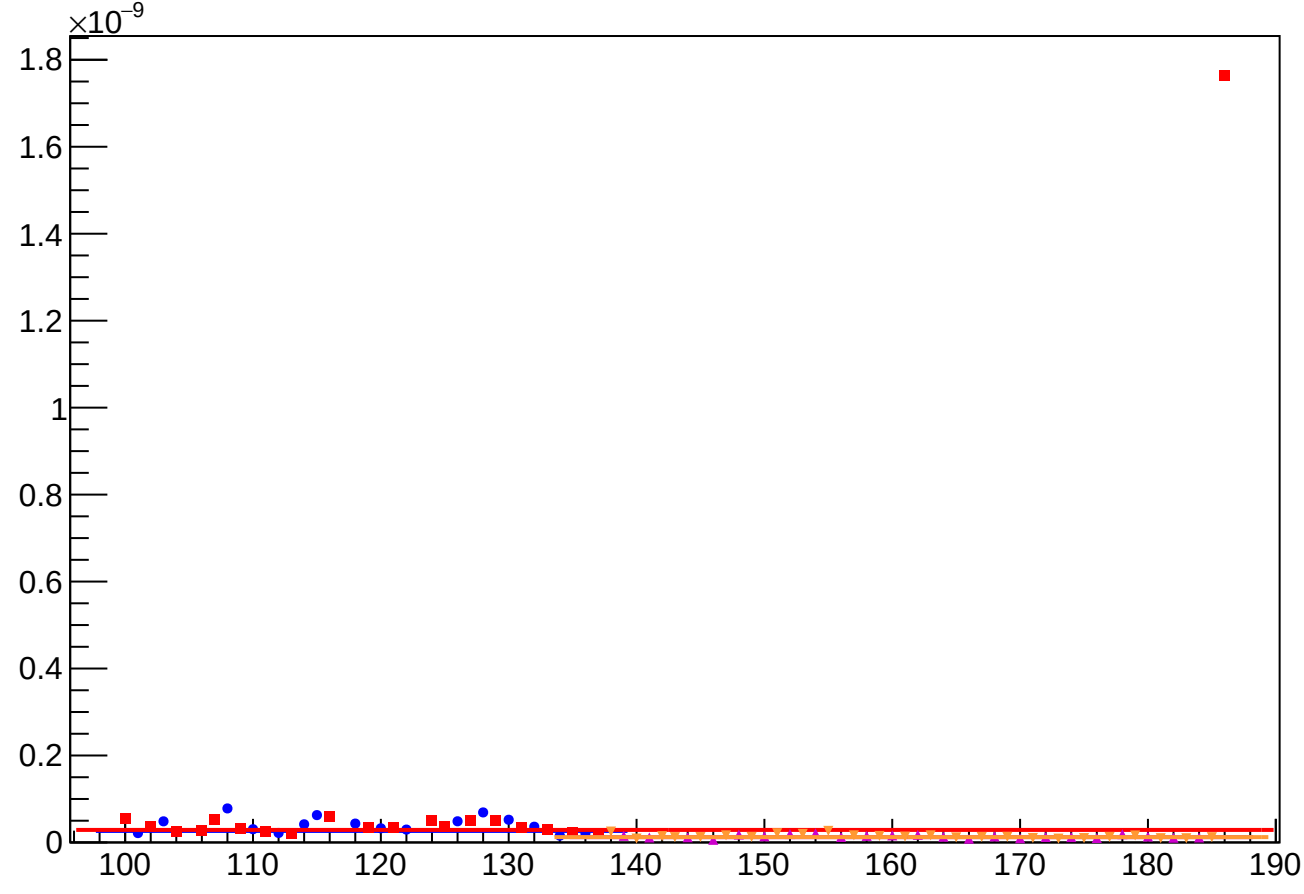
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 18.8/15
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 15.1/19
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
+ sign -0.000+/-0.000 χ²/NDF: 50.4/40
All: -0.000+/-0.000 χ²/NDF: 87.6/83
- sign -0.000+/-0.000 χ²/NDF: 36.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1395813.1/19

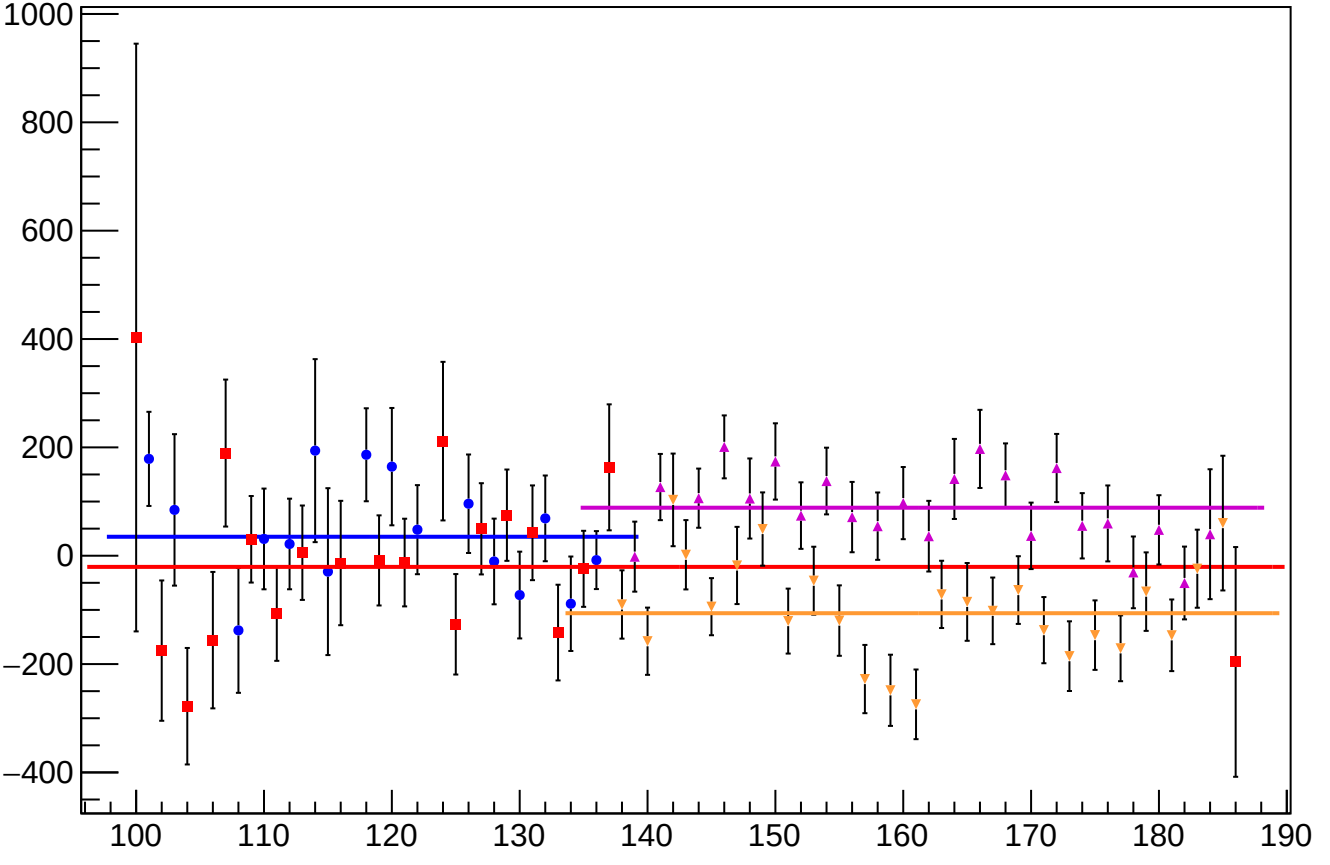
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5952359.4/40

All: 0.000+/-0.000 χ^2/NDF: 12182957.2/83

- sign 0.000+/-0.000 χ^2/NDF: 6229963.7/42

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -20.602+/-22.017 χ^2/NDF: 24.2/19

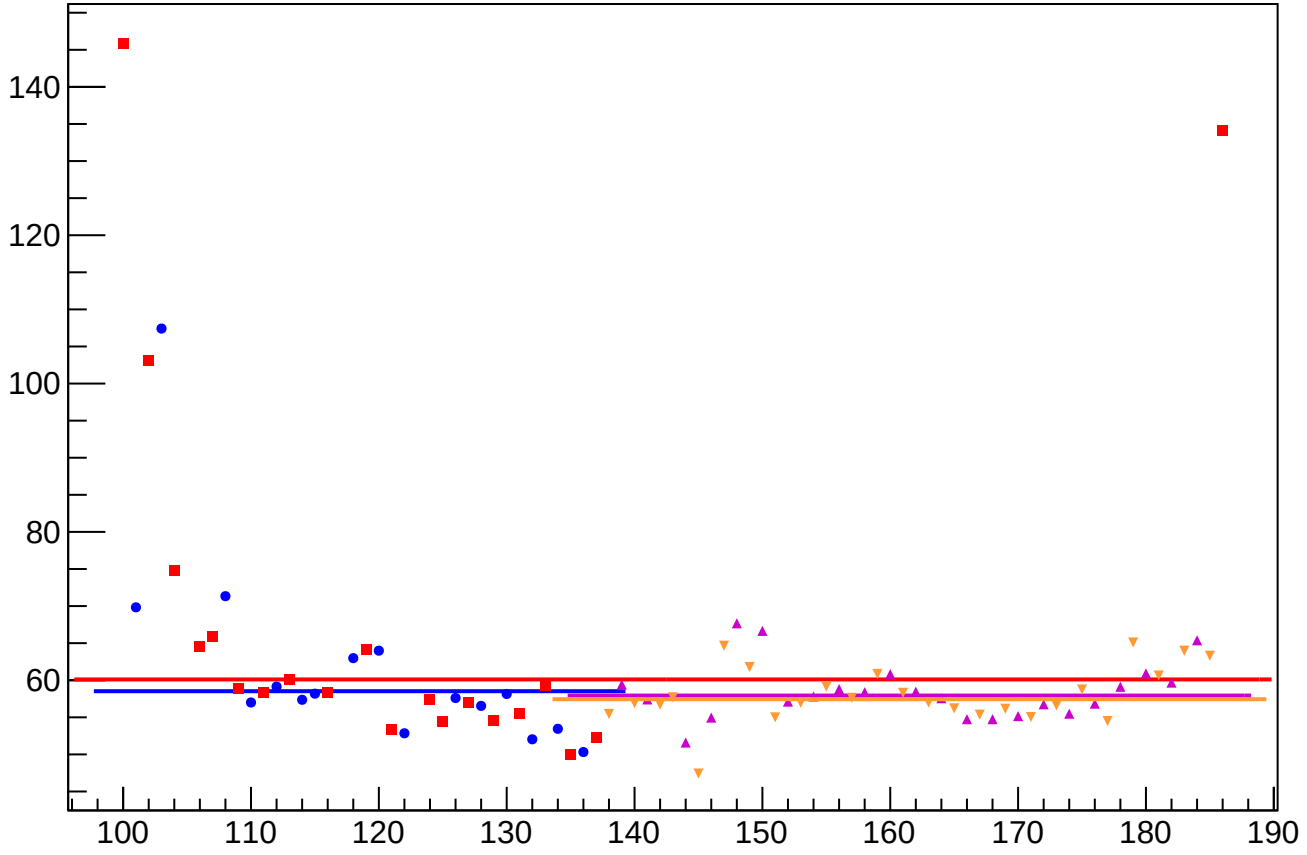
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

\+ sign -69.537+/-11.267 χ^2/NDF: 87.0/40

All: -7.076+/-8.065 χ^2/NDF: 216.0/83

\- sign 58.564+/-11.550 χ^2/NDF: 65.9/42

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 60.107+/-0.016 χ^2/NDF: 652597.2/19

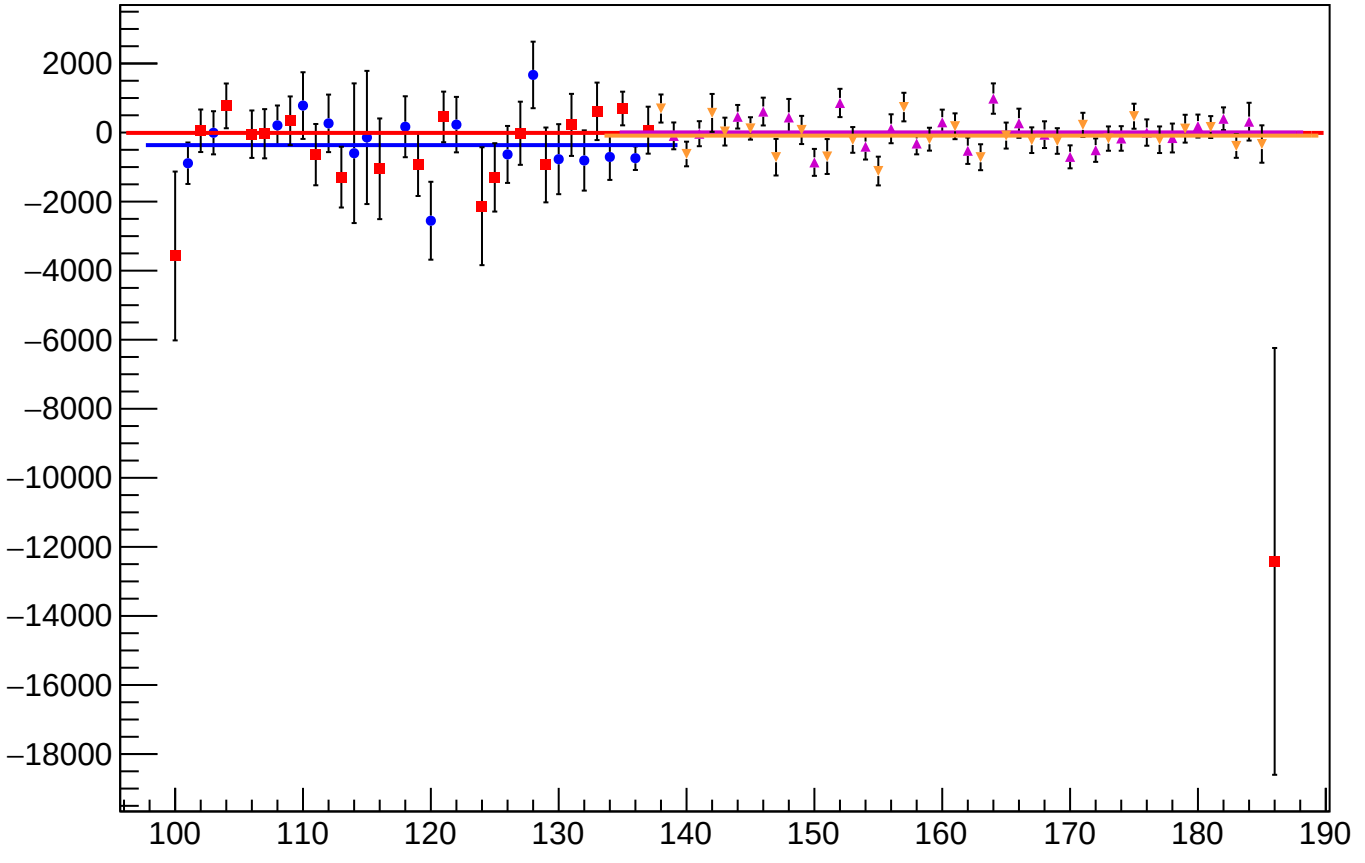
Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 57.720+/-0.008 χ^2/NDF: 570835.3/40

All: 58.116+/-0.006 χ^2/NDF: 1378527.1/83

- sign 58.531+/-0.008 χ^2/NDF: 802642.3/42

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -10.319+/-183.005 χ^2/NDF: 19.1/19

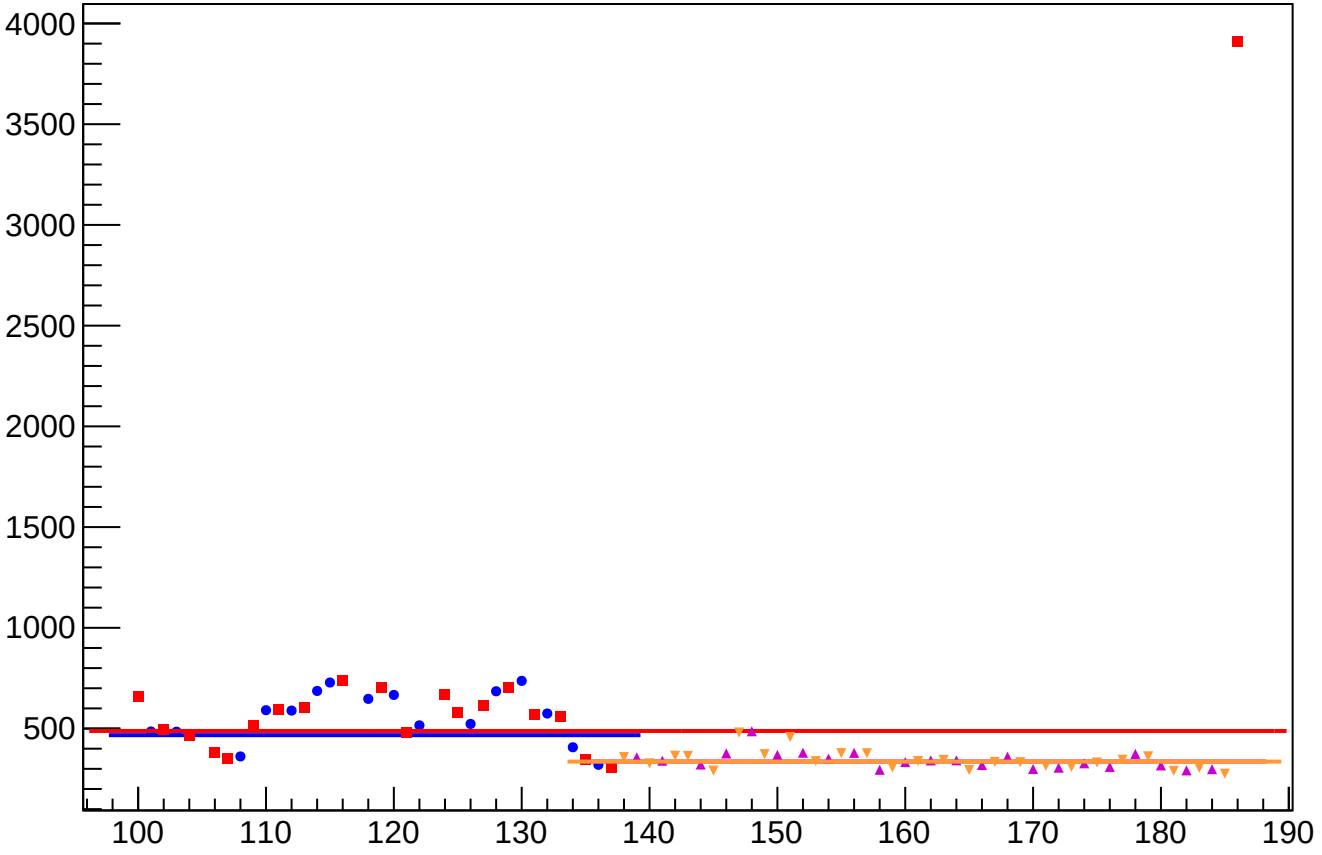
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -131.371+/-70.839 χ^2/NDF: 47.1/40

All: -66.913+/-50.729 χ^2/NDF: 101.5/83

- sign 0.938+/-72.680 χ^2/NDF: 52.7/42

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 487.984+/-0.129 χ^2/NDF: 1487785.1/19

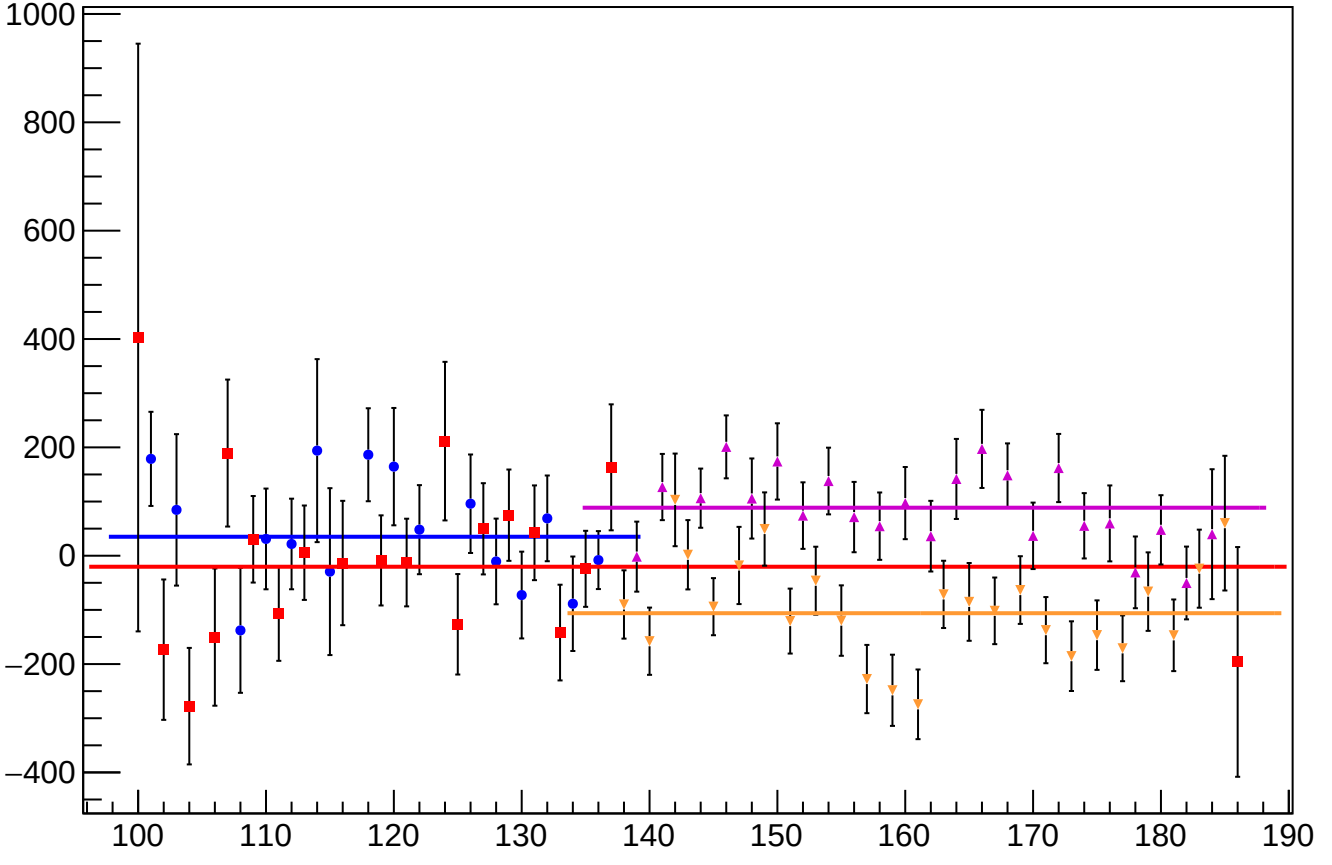
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 356.076+/-0.050 χ^2/NDF: 2456863.6/40

All: 358.115+/-0.036 χ^2/NDF: 5518877.1/83

- sign 360.261+/-0.051 χ^2/NDF: 3058613.2/42

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -20.333+/-22.021 χ^2/NDF: 24.1/19

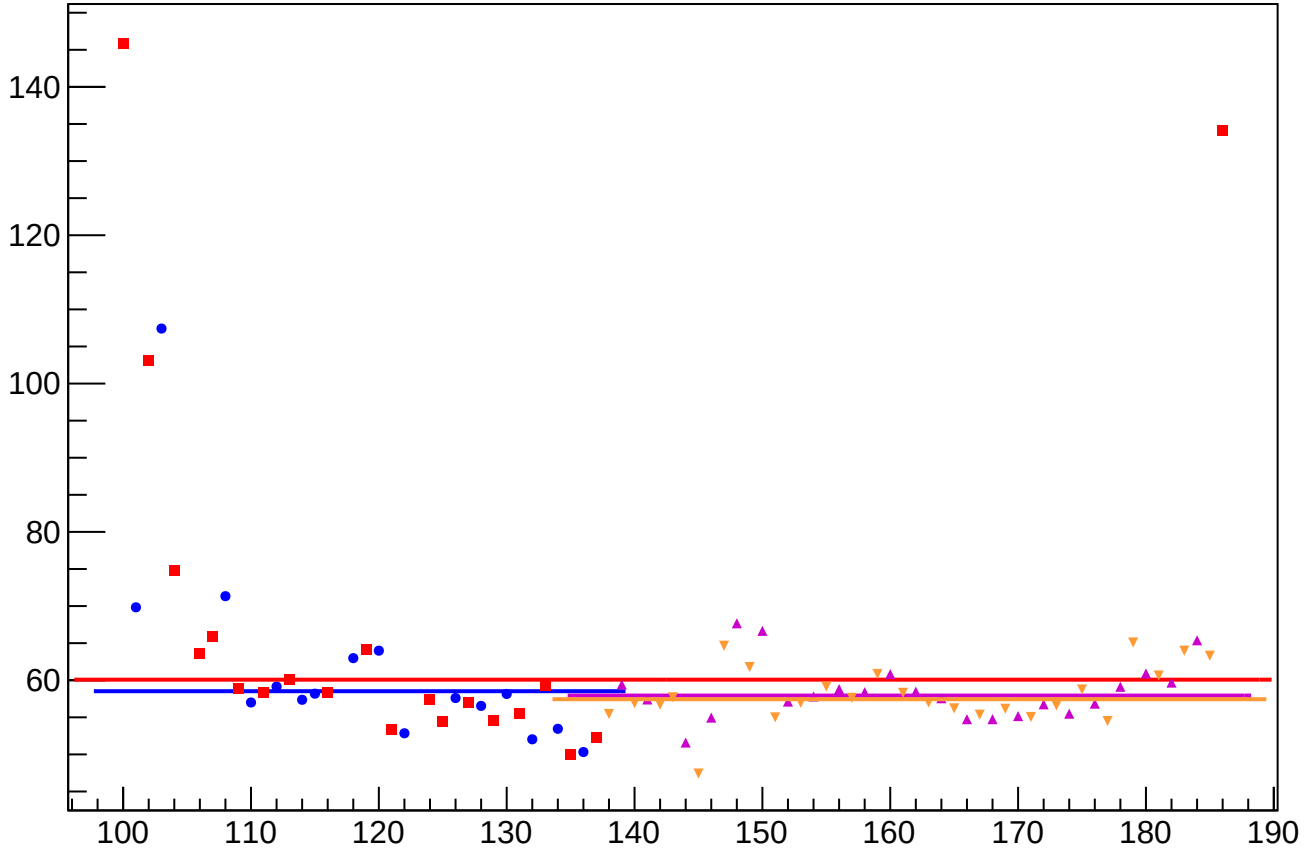
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -69.538+/-11.267 χ^2/NDF: 87.0/40

All: -7.039+/-8.065 χ^2/NDF: 215.8/83

- sign 58.647+/-11.550 χ^2/NDF: 65.7/42

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

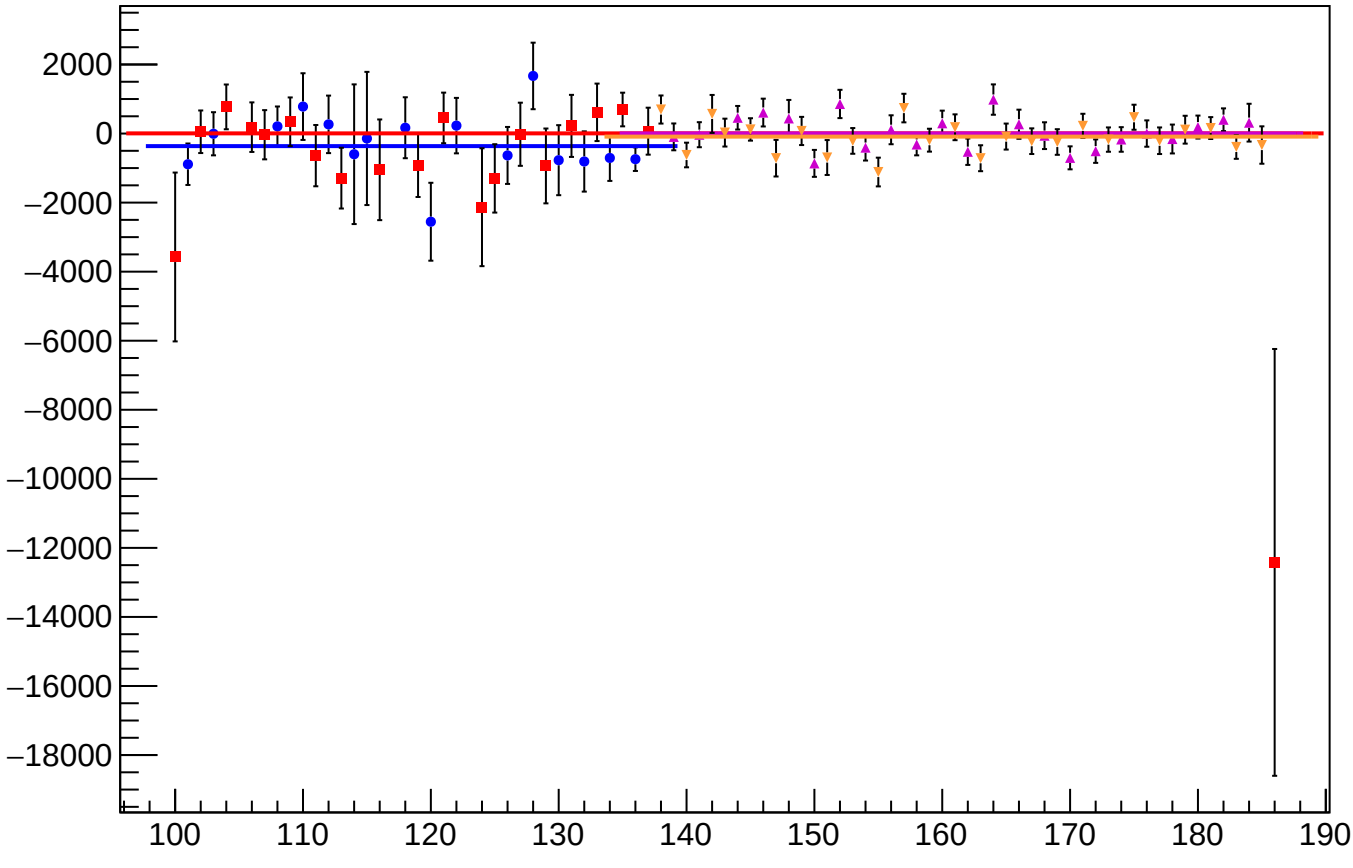
Right Out: 60.076+/-0.016 χ^2/NDF: 651810.6/19

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

\+ sign 57.720+/-0.008 χ^2/NDF: 570837.5/40

All: 58.111+/-0.006 χ^2/NDF: 1377227.6/83

\- sign 58.522+/-0.008 χ^2/NDF: 801449.2/42



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 5.117+/-183.569 χ^2/NDF: 19.2/19

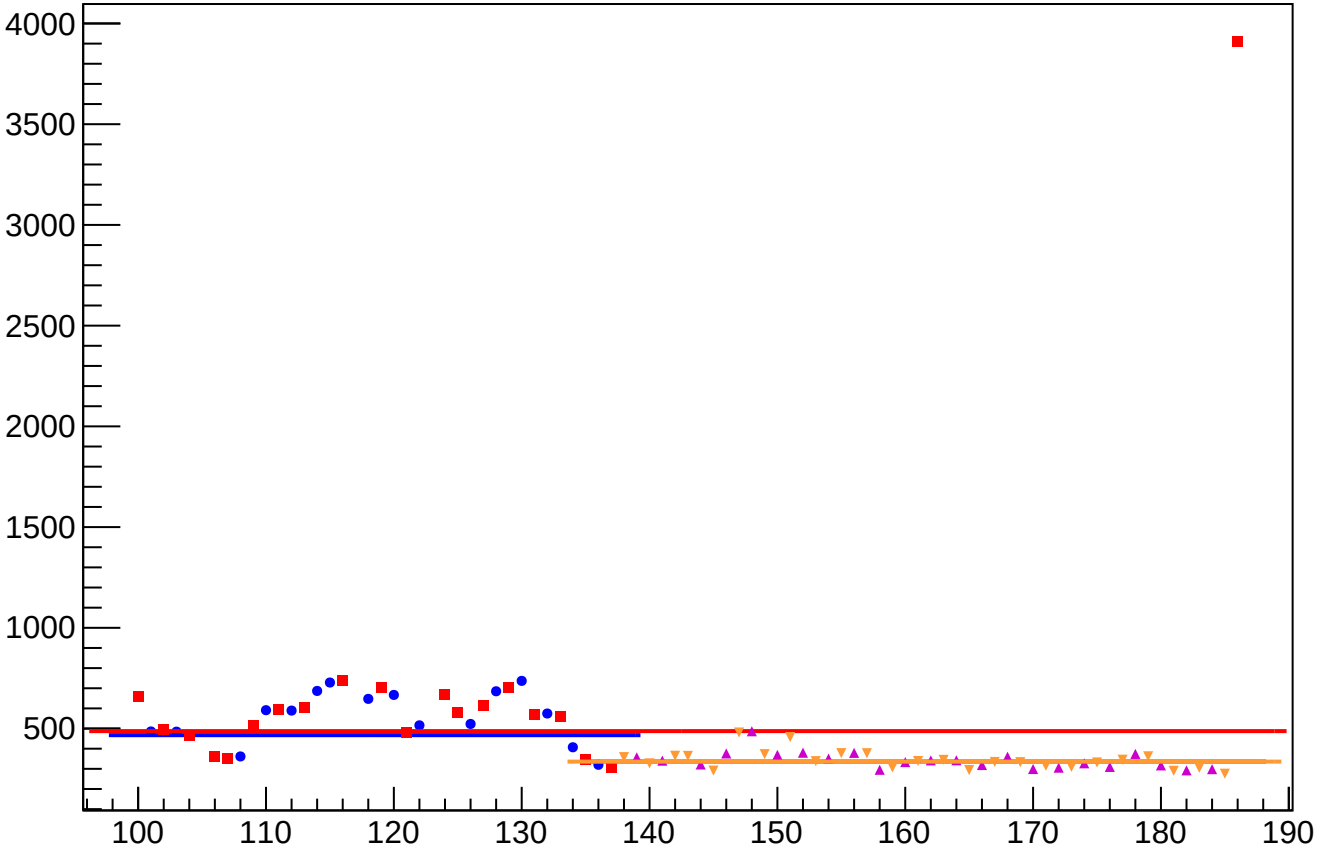
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -131.367+/-70.840 χ^2/NDF: 47.1/40

All: -65.758+/-50.741 χ^2/NDF: 101.6/83

- sign 3.372+/-72.715 χ^2/NDF: 52.8/42

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 487.296+/-0.130 χ^2/NDF: 1502730.5/19

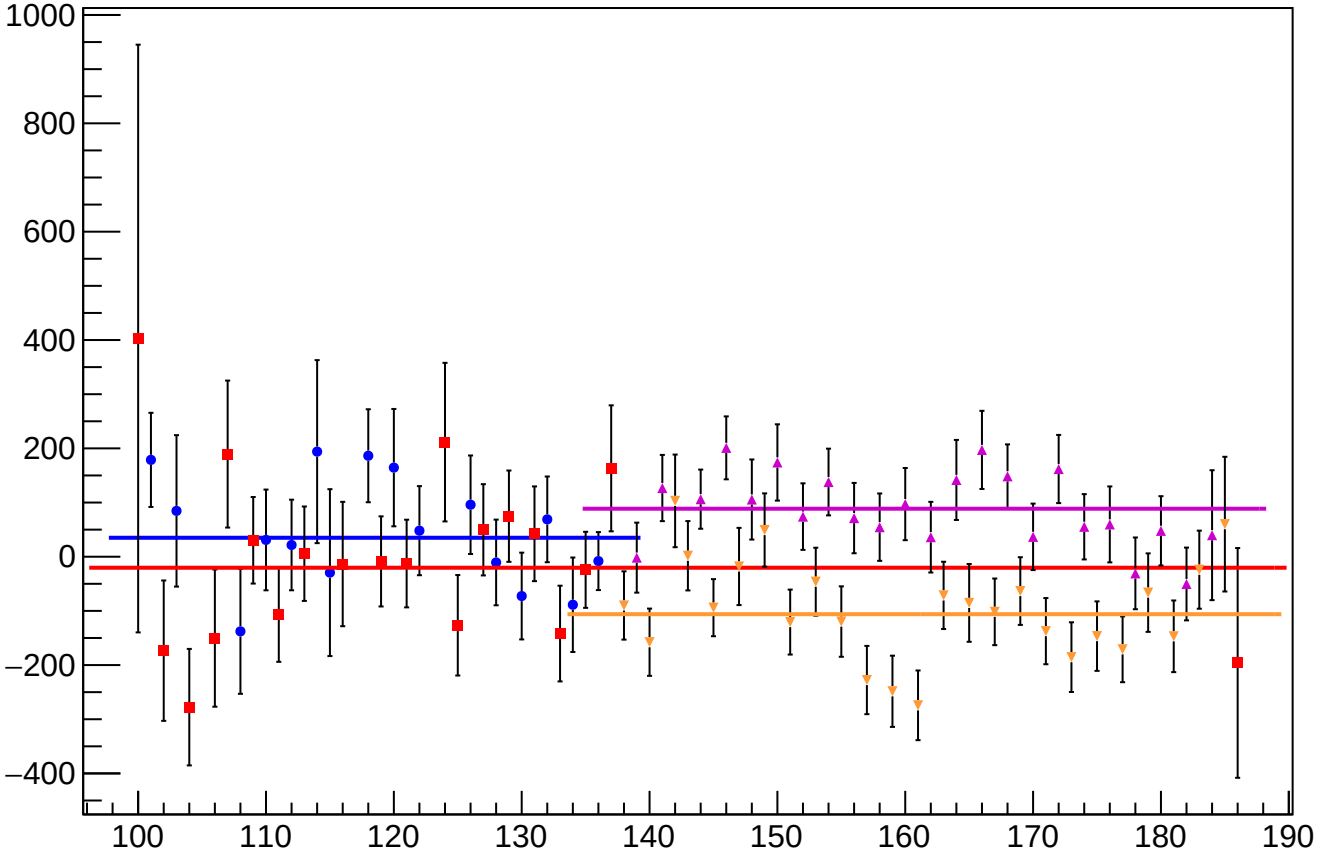
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 356.076+/-0.050 χ^2/NDF: 2456892.7/40

All: 358.001+/-0.036 χ^2/NDF: 5517071.0/83

- sign 360.029+/-0.051 χ^2/NDF: 3057146.3/42

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -20.333+/-22.021 χ^2/NDF: 24.1/19

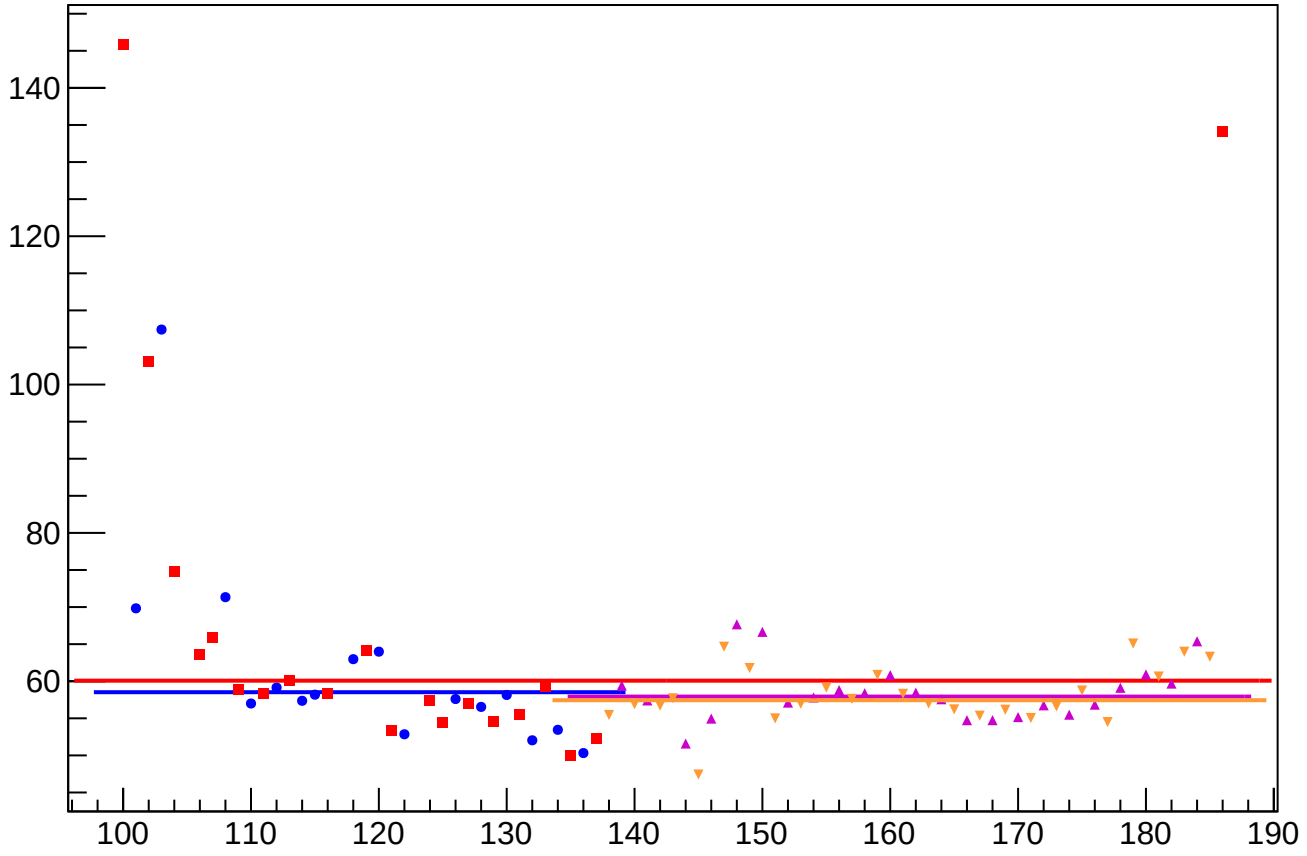
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

\+ sign -69.538+/-11.267 χ^2/NDF: 87.0/40

All: -7.039+/-8.065 χ^2/NDF: 215.8/83

\- sign 58.647+/-11.550 χ^2/NDF: 65.7/42

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

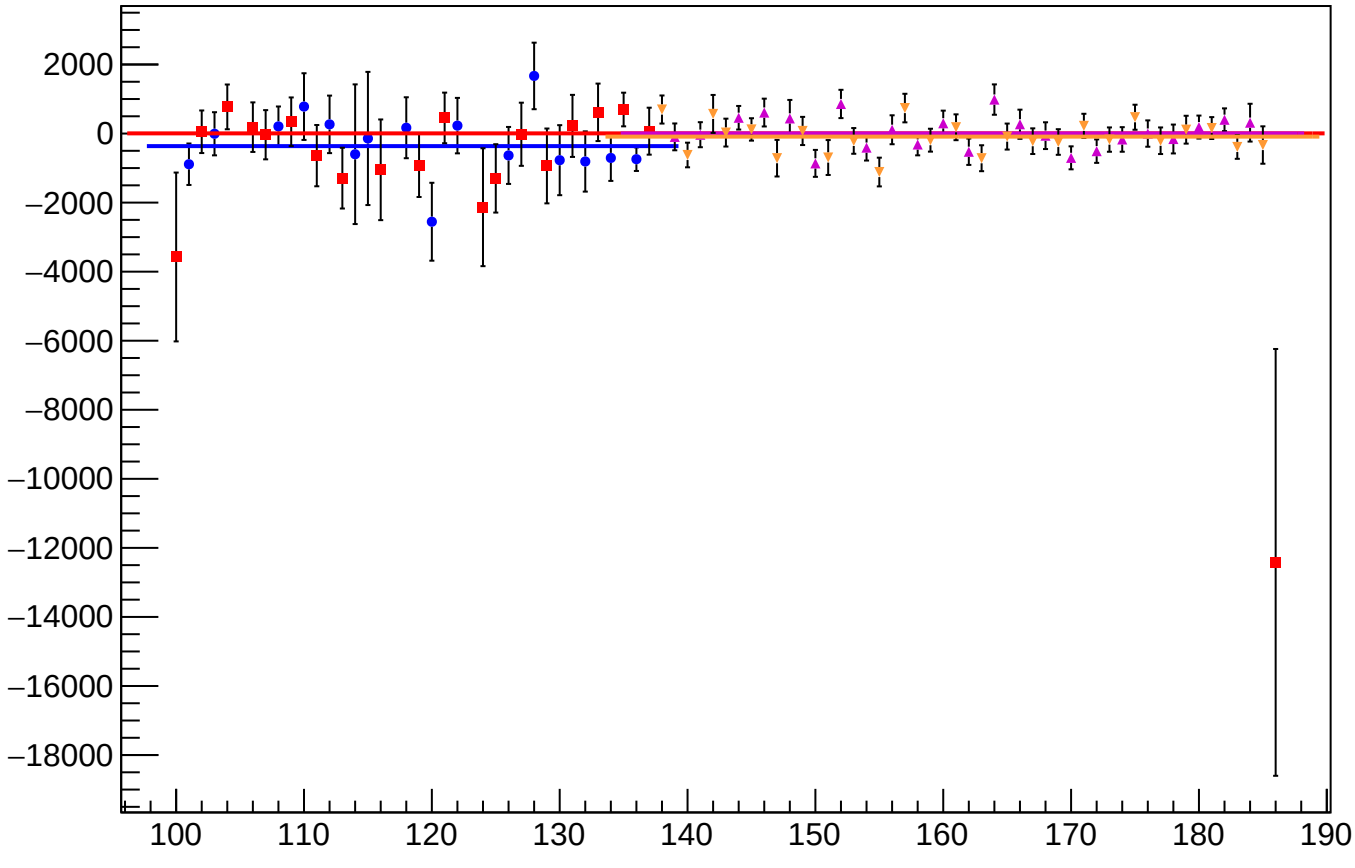
Right Out: 60.076+/-0.016 χ^2/NDF: 651810.6/19

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

\+ sign 57.720+/-0.008 χ^2/NDF: 570837.5/40

All: 58.111+/-0.006 χ^2/NDF: 1377227.6/83

\- sign 58.522+/-0.008 χ^2/NDF: 801449.2/42



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

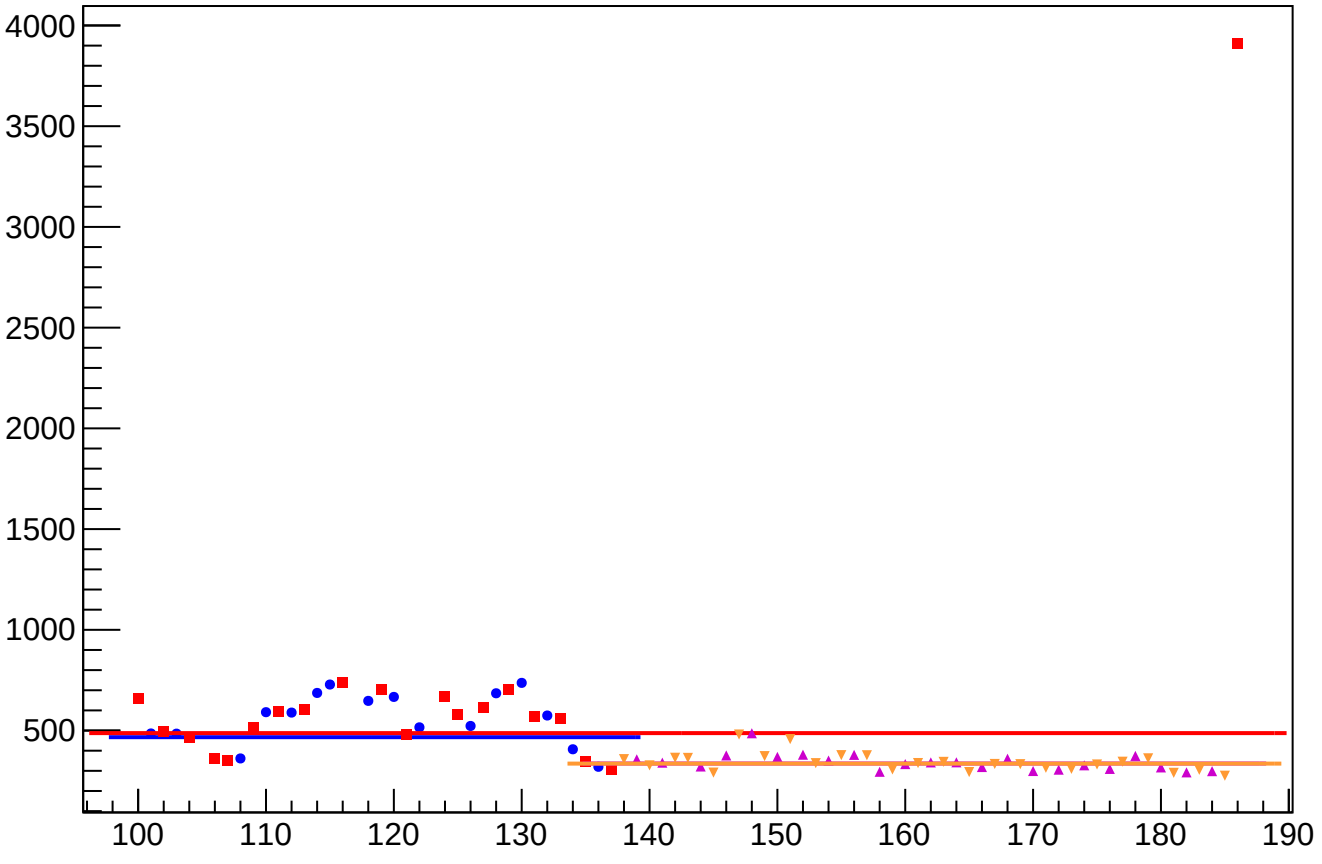
Right Out: 5.117+/-183.569 χ^2/NDF: 19.2/19

Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -131.367+/-70.840 χ^2/NDF: 47.1/40

All: -65.758+/-50.741 χ^2/NDF: 101.6/83

- sign 3.372+/-72.715 χ^2/NDF: 52.8/42



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 487.296+/-0.130 χ^2/NDF: 1502730.5/19

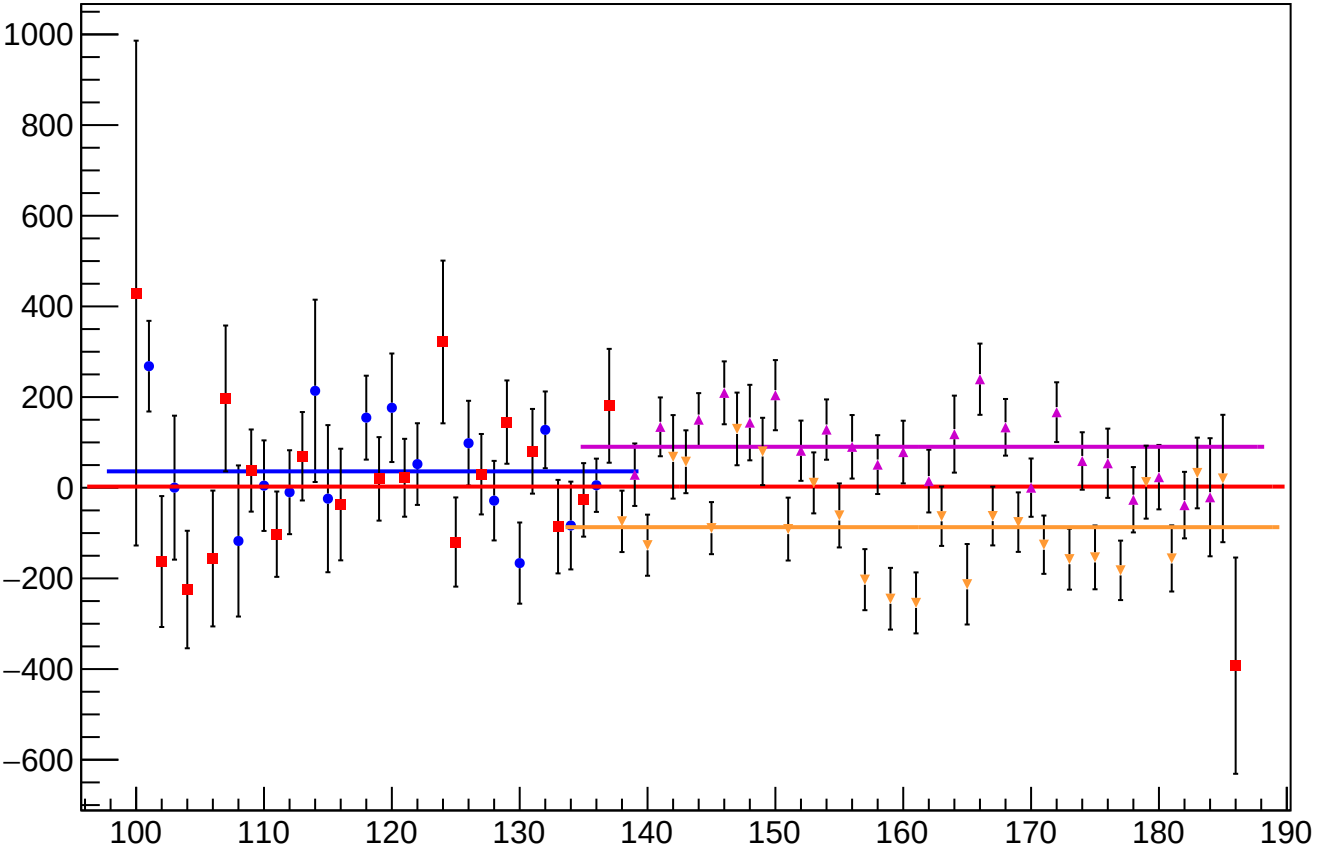
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 356.076+/-0.050 χ^2/NDF: 2456892.7/40

All: 358.001+/-0.036 χ^2/NDF: 5517071.0/83

- sign 360.029+/-0.051 χ^2/NDF: 3057146.3/42

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 2.545+/-24.436 χ^2/NDF: 23.1/19

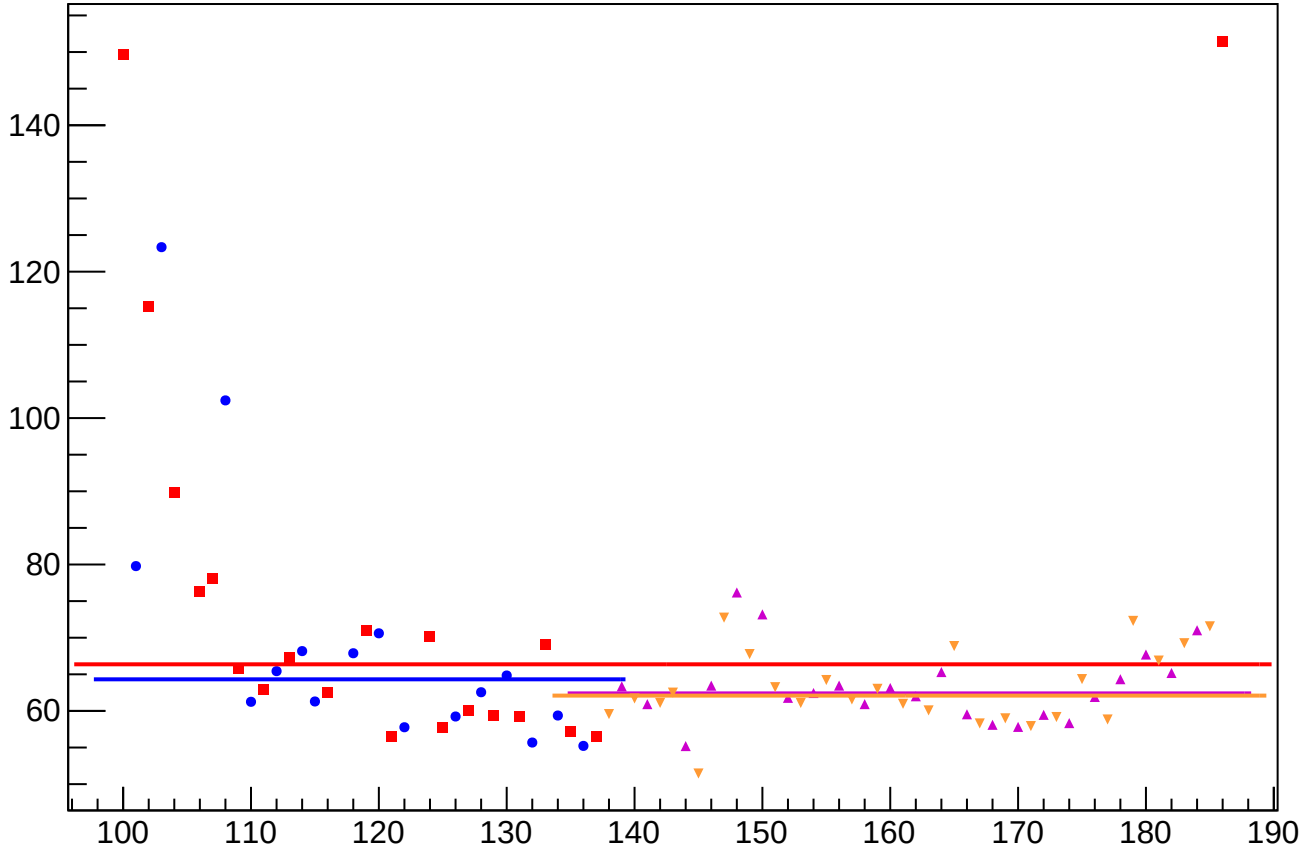
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -56.028+/-12.266 χ^2/NDF: 87.4/40

All: 4.046+/-8.778 χ^2/NDF: 194.3/83

- sign 67.129+/-12.569 χ^2/NDF: 57.7/42

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 66.368+/-0.017 χ^2/NDF: 739115.3/19

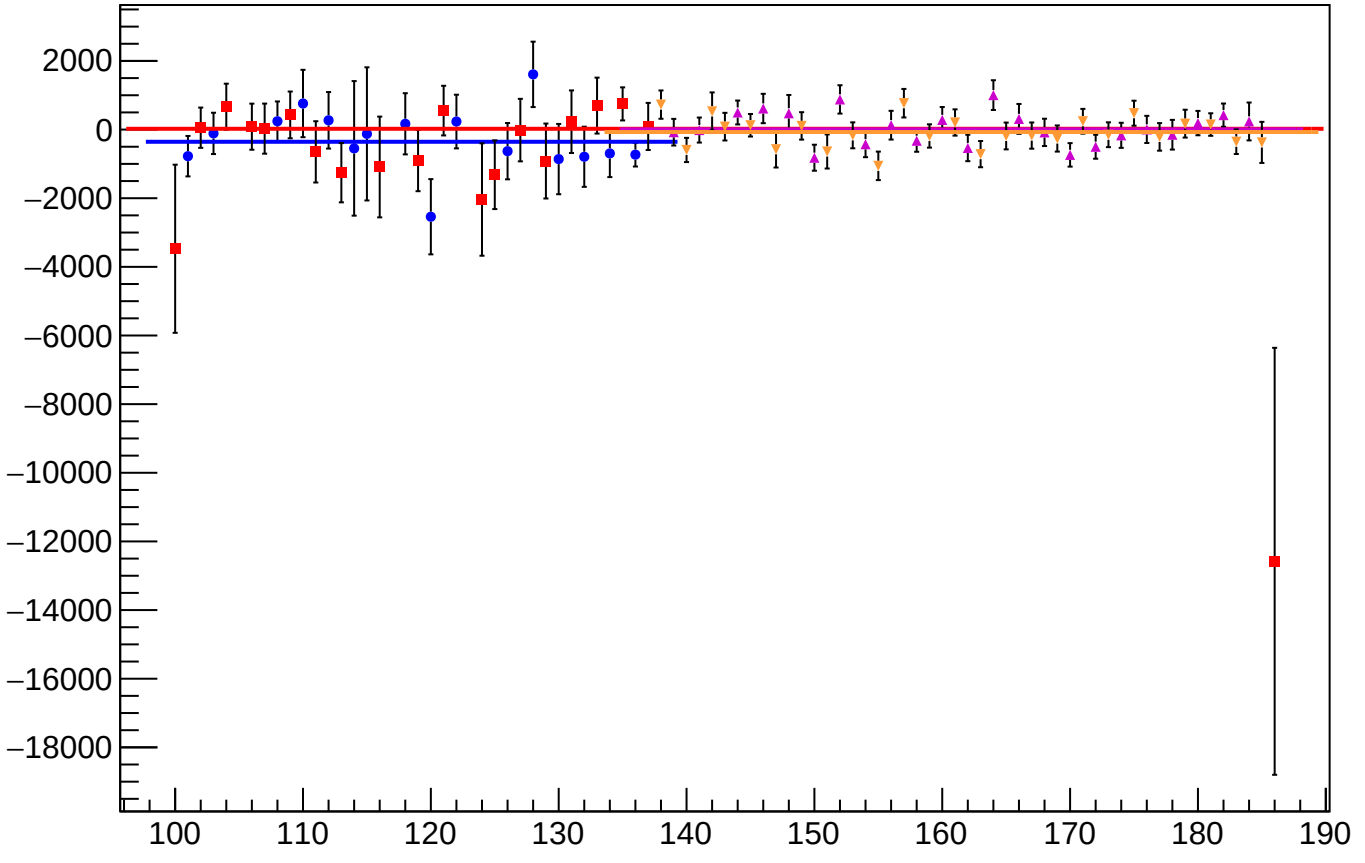
Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 62.652+/-0.009 χ^2/NDF: 777767.4/40

All: 63.039+/-0.006 χ^2/NDF: 1748664.8/83

- sign 63.446+/-0.009 χ^2/NDF: 966804.3/42

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 23.050+/-181.483 χ^2/NDF: 19.5/19

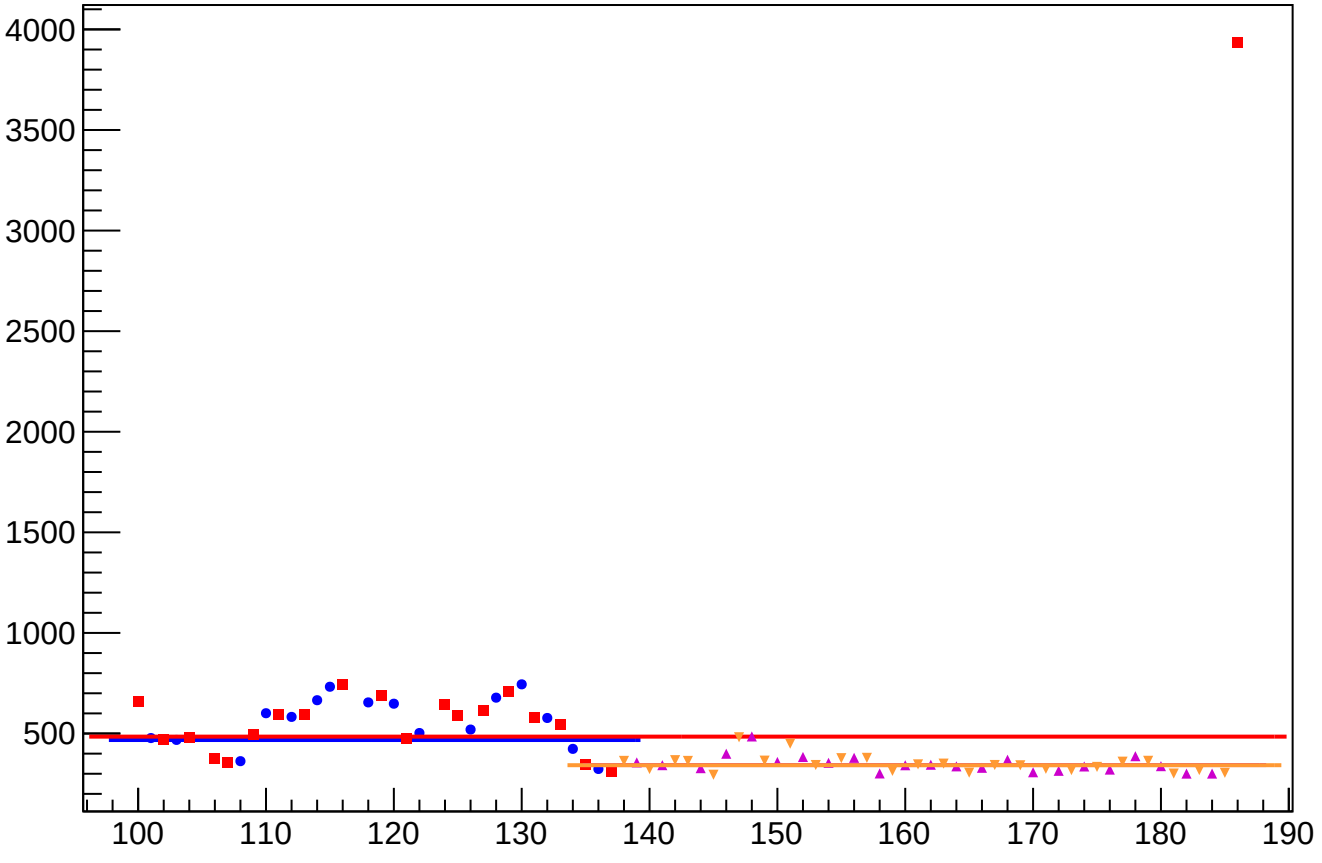
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -116.501+/-71.899 χ^2/NDF: 45.5/40

All: -55.409+/-51.494 χ^2/NDF: 100.5/83

- sign 8.930+/-73.784 χ^2/NDF: 53.5/42

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 484.539+/-0.128 χ^2/NDF: 1470062.4/19

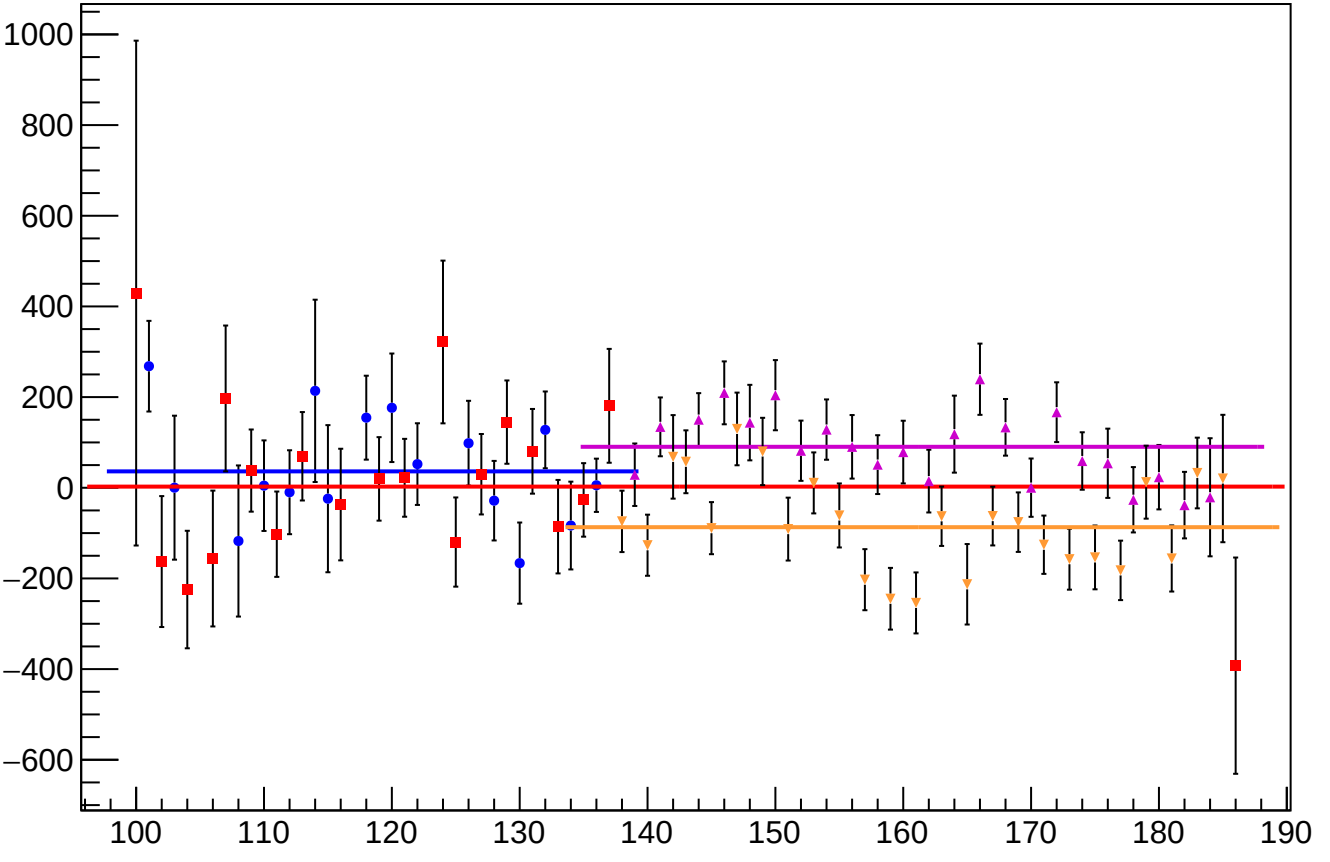
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 362.400+/-0.051 χ^2/NDF: 2230560.1/40

All: 364.445+/-0.036 χ^2/NDF: 5088837.4/83

- sign 366.600+/-0.052 χ^2/NDF: 2854953.2/42

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

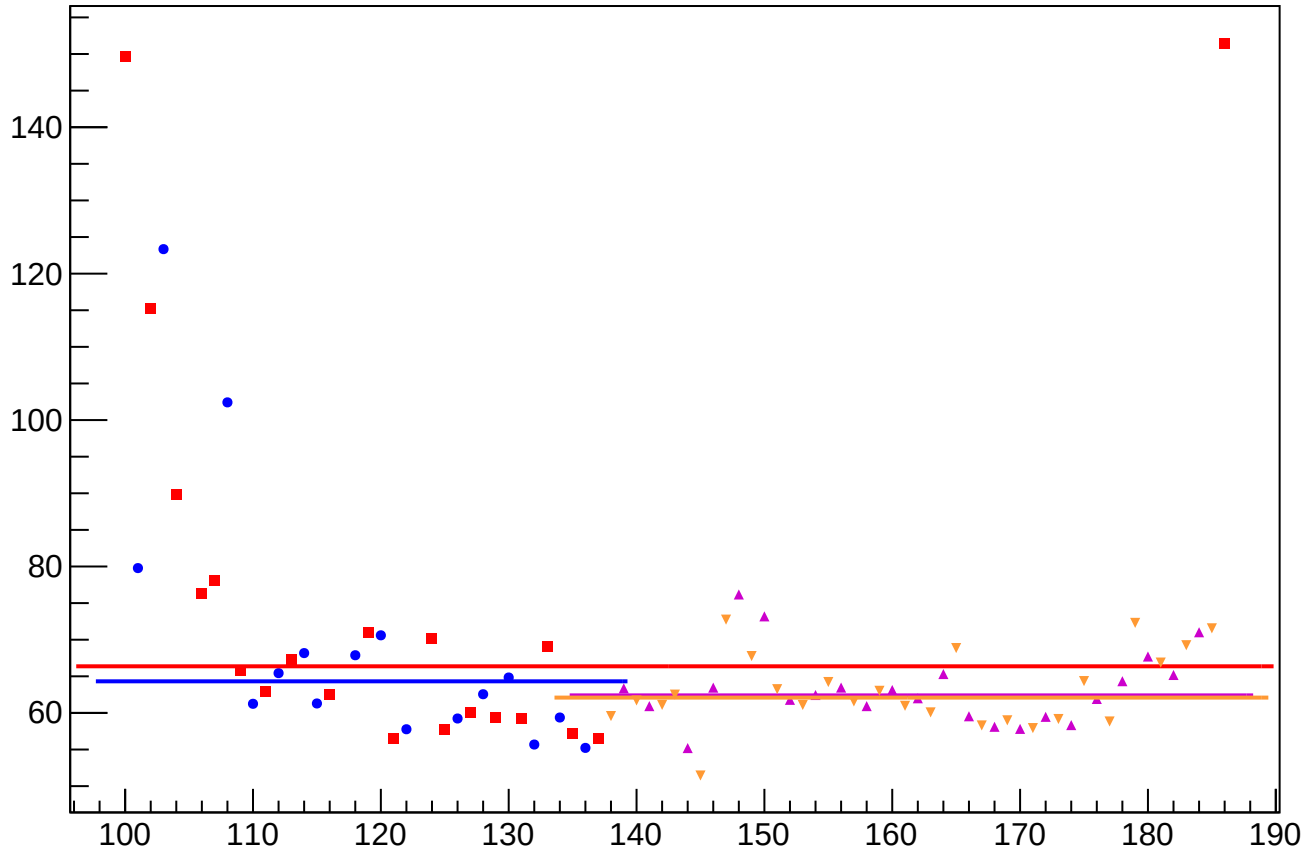
Right Out: 2.546+/-24.436 χ^2/NDF: 23.1/19

Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -56.028+/-12.266 χ^2/NDF: 87.4/40

All: 4.046+/-8.778 χ^2/NDF: 194.3/83

- sign 67.129+/-12.569 χ^2/NDF: 57.7/42



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

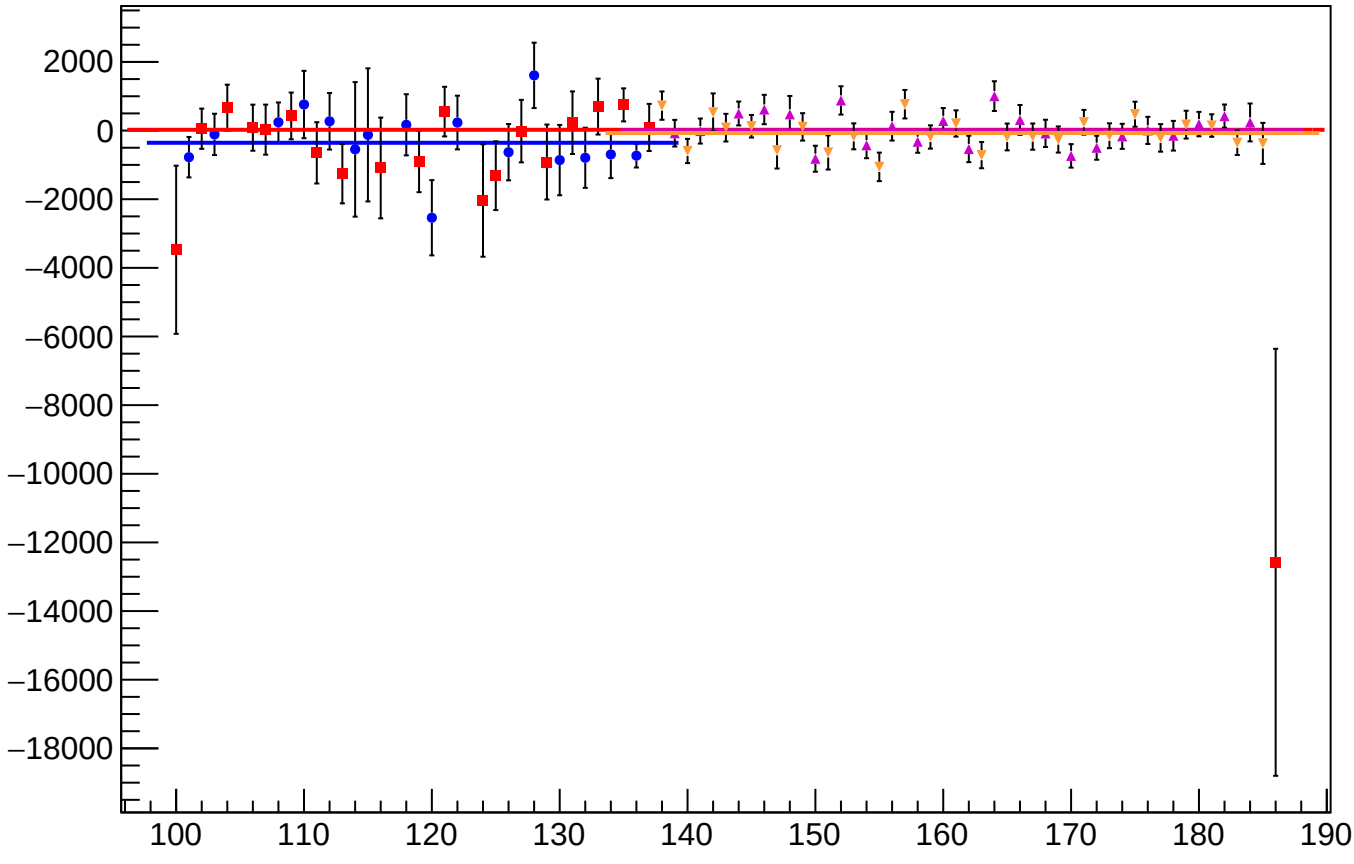
Right Out: 66.368+/-0.017 χ^2/NDF: 739110.5/19

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 62.652+/-0.009 χ^2/NDF: 777778.7/40

All: 63.039+/-0.006 χ^2/NDF: 1748672.2/83

- sign 63.446+/-0.009 χ^2/NDF: 966800.0/42



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

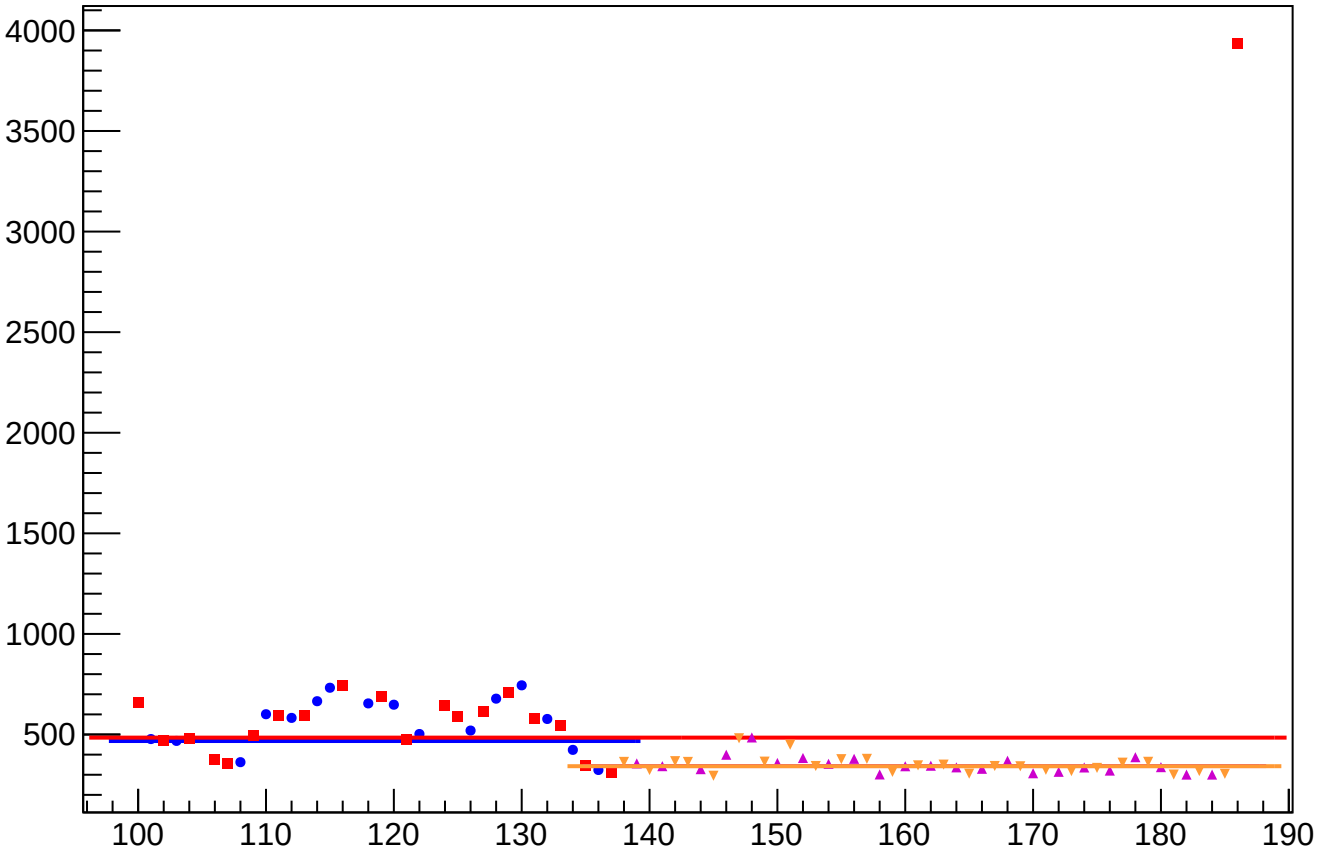
Right Out: 23.050+/-181.483 χ^2/NDF: 19.5/19

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -116.501+/-71.899 χ^2/NDF: 45.5/40

All: -55.408+/-51.494 χ^2/NDF: 100.5/83

- sign 8.930+/-73.784 χ^2/NDF: 53.5/42



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 484.538+/-0.128 χ^2/NDF: 1470061.8/19

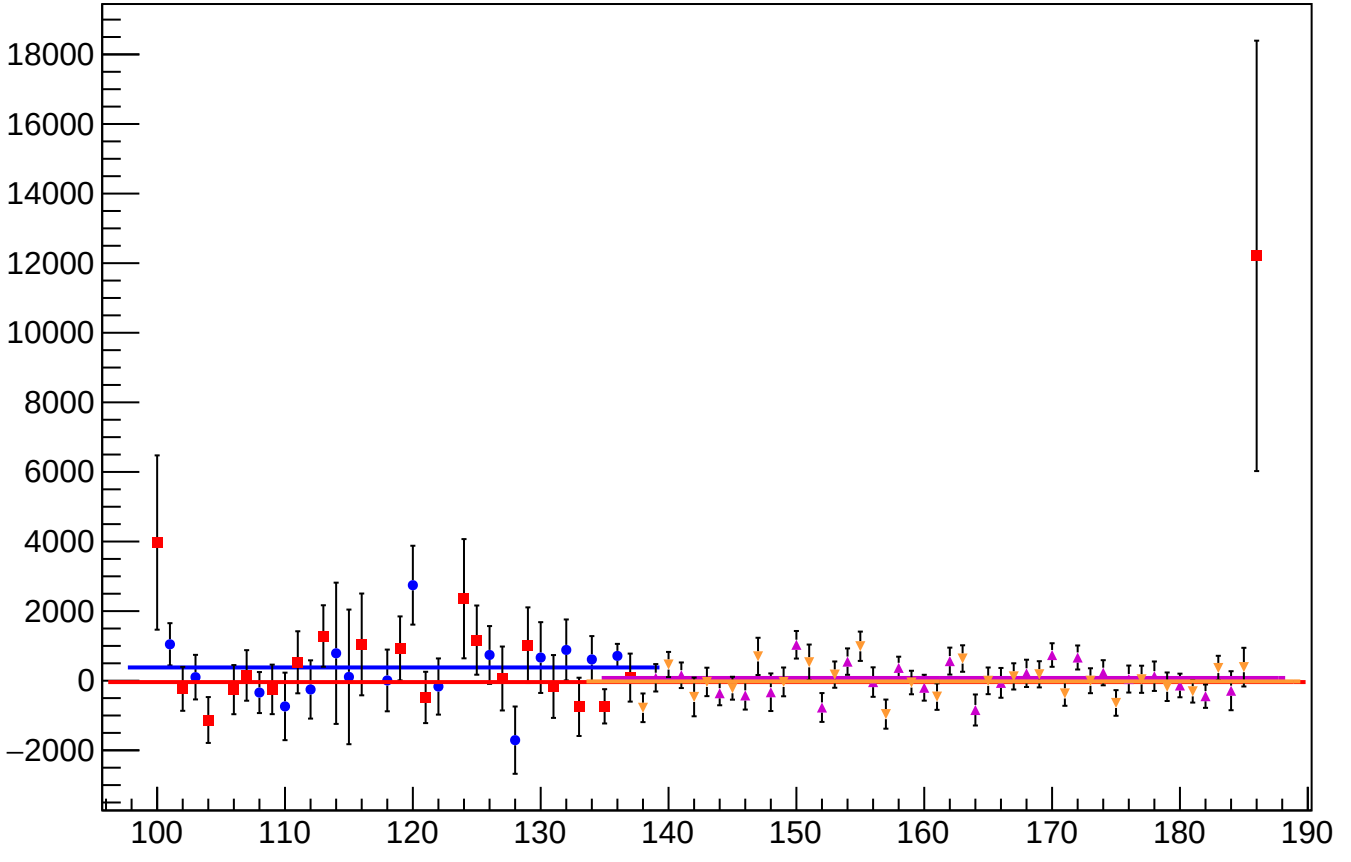
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 362.400+/-0.051 χ^2/NDF: 2230557.8/40

All: 364.445+/-0.036 χ^2/NDF: 5088826.1/83

- sign 366.600+/-0.052 χ^2/NDF: 2854944.0/42

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -39.402+/-185.179 χ^2/NDF: 21.4/19

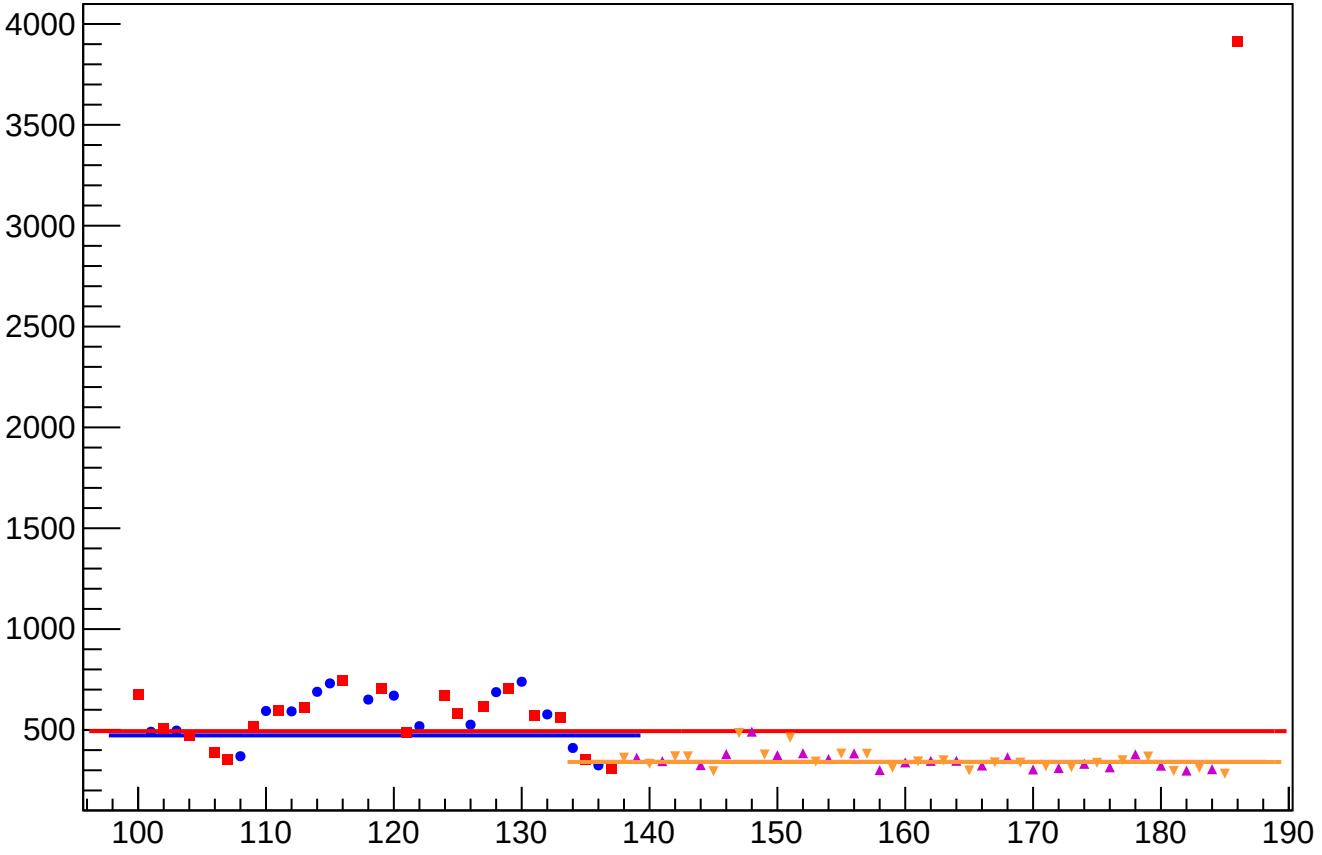
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 41.894+/-71.886 χ^2/NDF: 51.7/40

All: 50.705+/-51.480 χ^2/NDF: 106.4/83

- sign 59.980+/-73.757 χ^2/NDF: 54.7/42

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

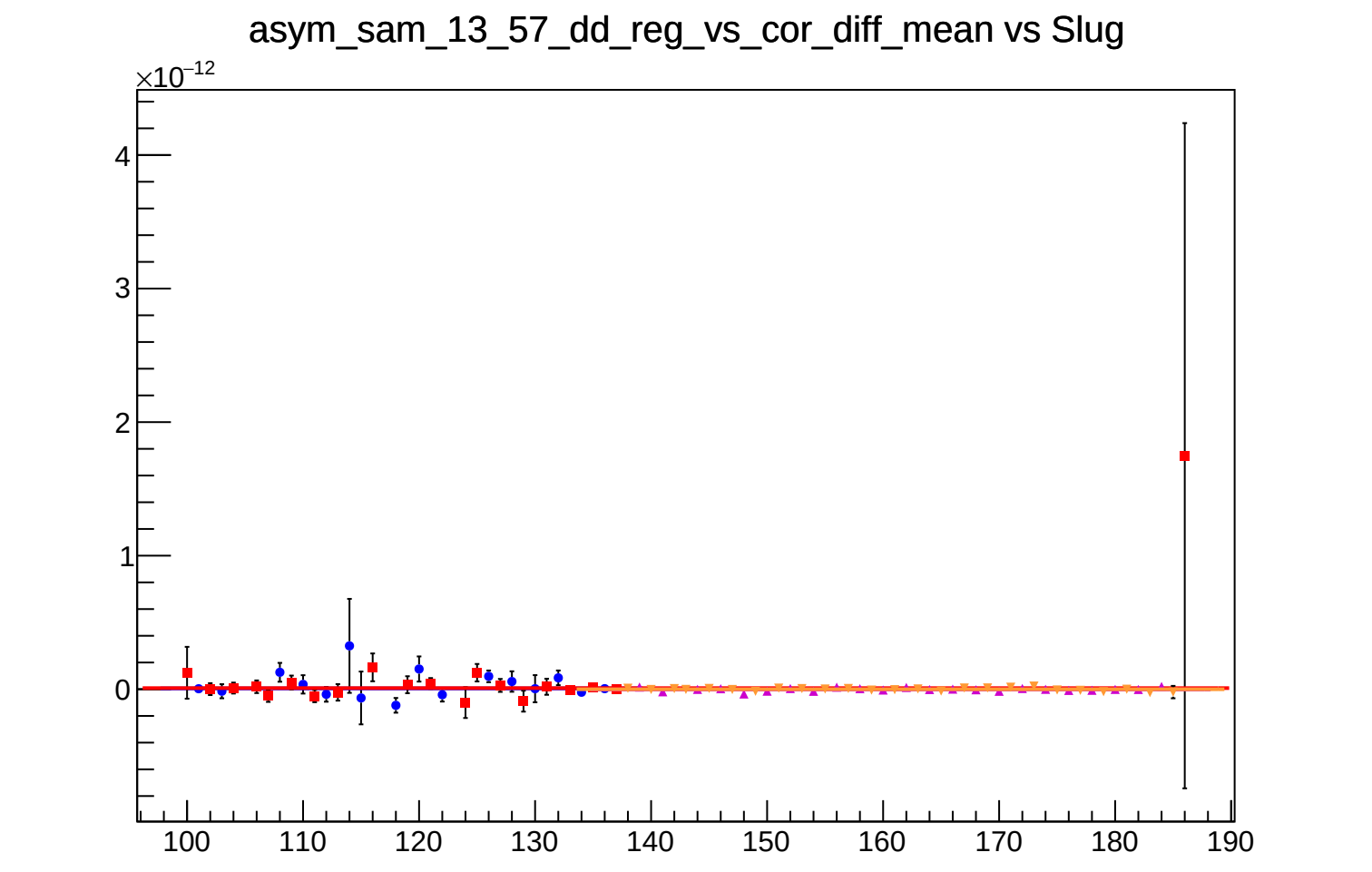
Right Out: 494.130+/-0.131 χ^2/NDF: 1459128.0/19

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 361.602+/-0.051 χ^2/NDF: 2390187.7/40

All: 363.655+/-0.036 χ^2/NDF: 5390883.7/83

- sign 365.817+/-0.052 χ^2/NDF: 2997346.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/19

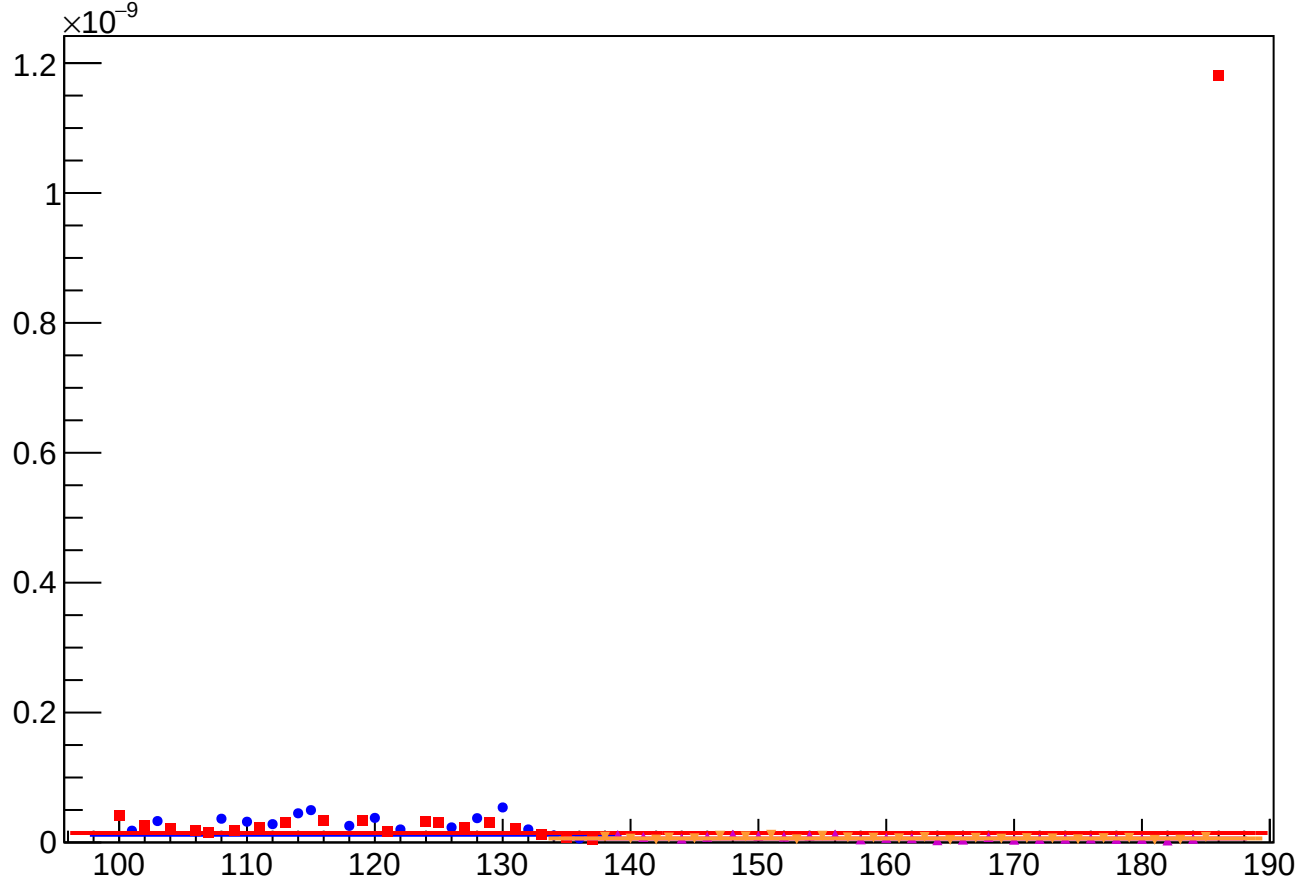
Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.8/40

All: -0.000+/-0.000 χ^2/NDF: 71.1/83

- sign -0.000+/-0.000 χ^2/NDF: 30.1/42

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2208468.4/19

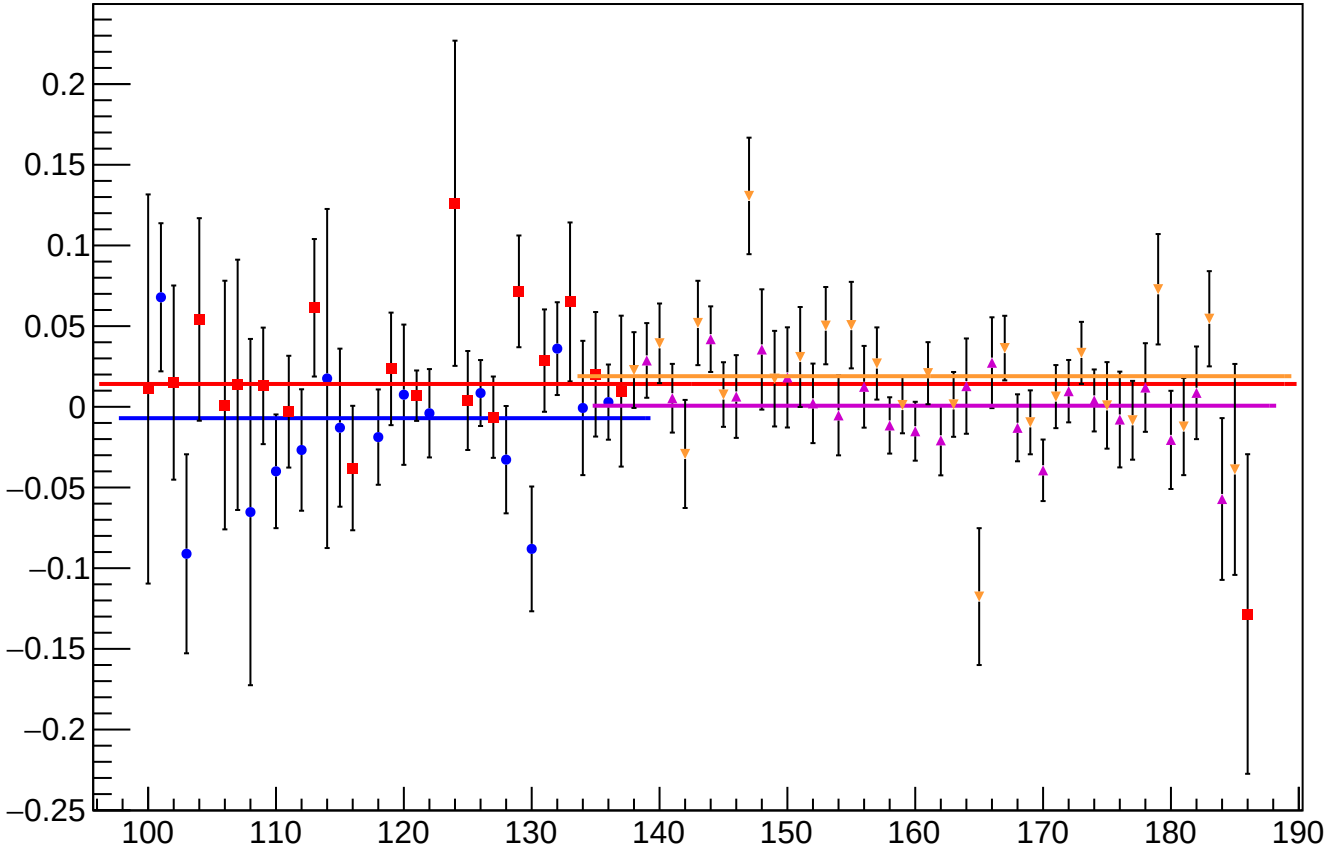
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4910303.8/40

All: 0.000+/-0.000 χ^2/NDF: 10354589.8/83

- sign 0.000+/-0.000 χ^2/NDF: 5443928.0/42

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

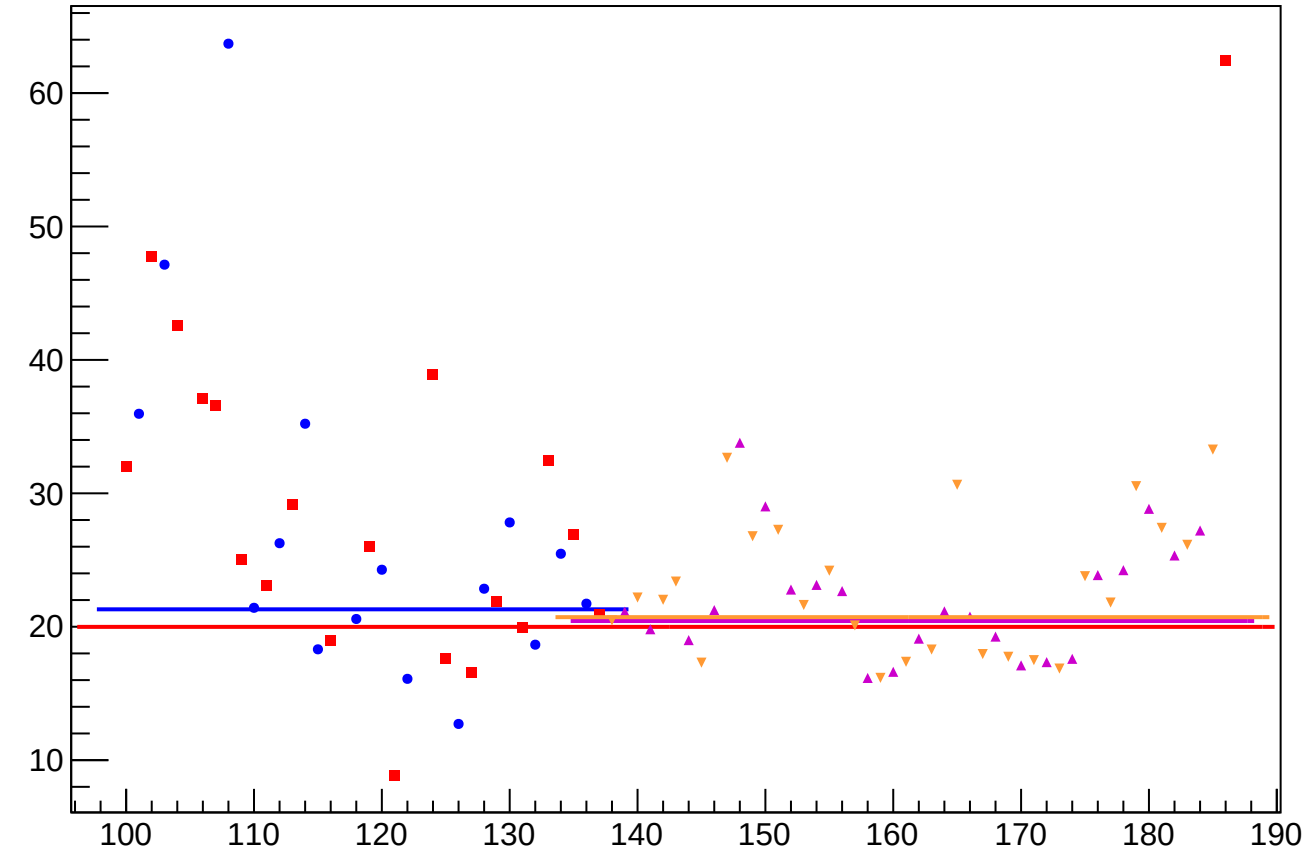
Right Out: 0.014+/-0.008 χ^2/NDF: 12.2/19

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 62.4/40

All: 0.008+/-0.003 χ^2/NDF: 96.2/83

- sign 0.004+/-0.004 χ^2/NDF: 31.8/42



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

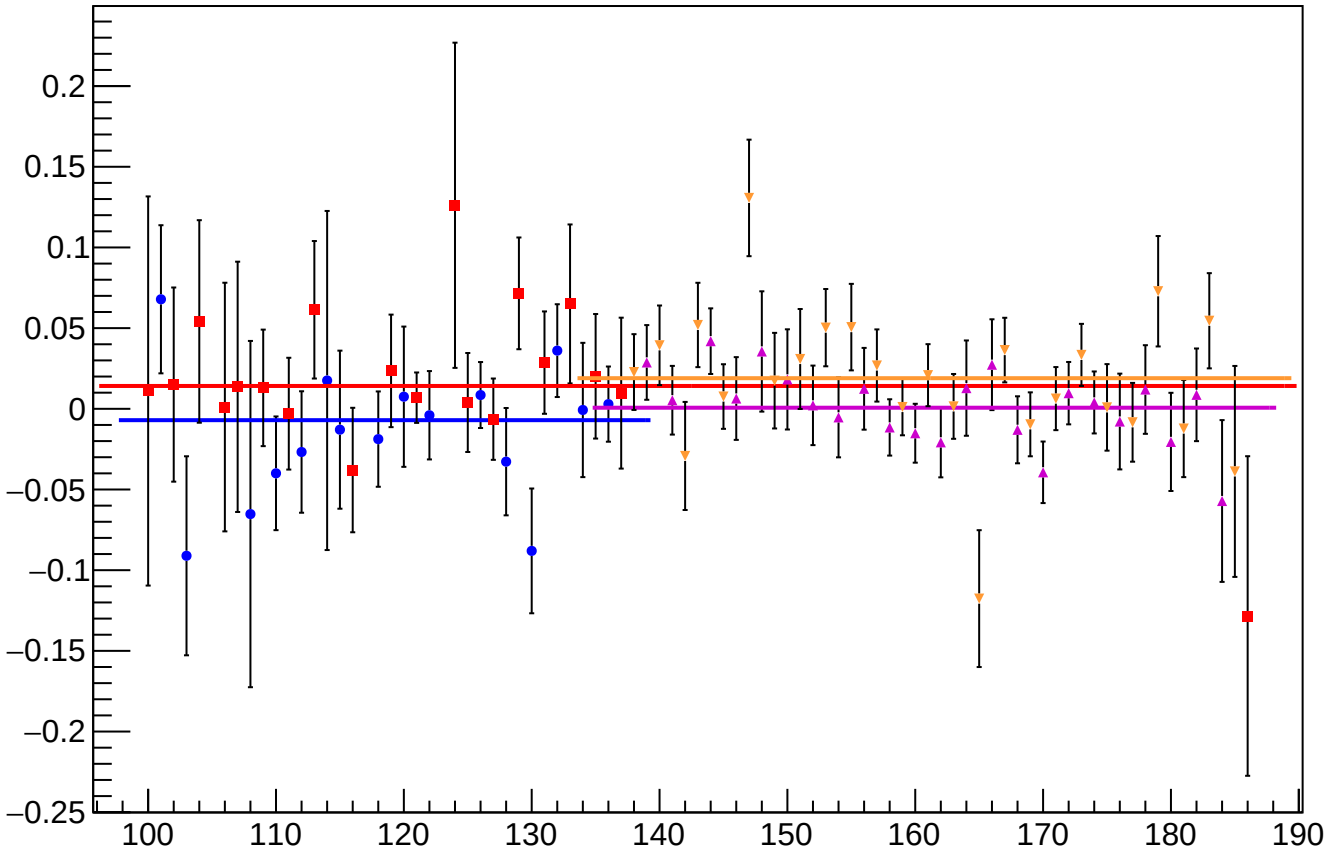
Right Out: 19.990+/-0.006 χ^2/NDF: 2808759.1/19

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.860+/-0.003 χ^2/NDF: 2992806.2/40

All: 20.585+/-0.002 χ^2/NDF: 6996481.2/83

- sign 20.312+/-0.003 χ^2/NDF: 3986921.3/42



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

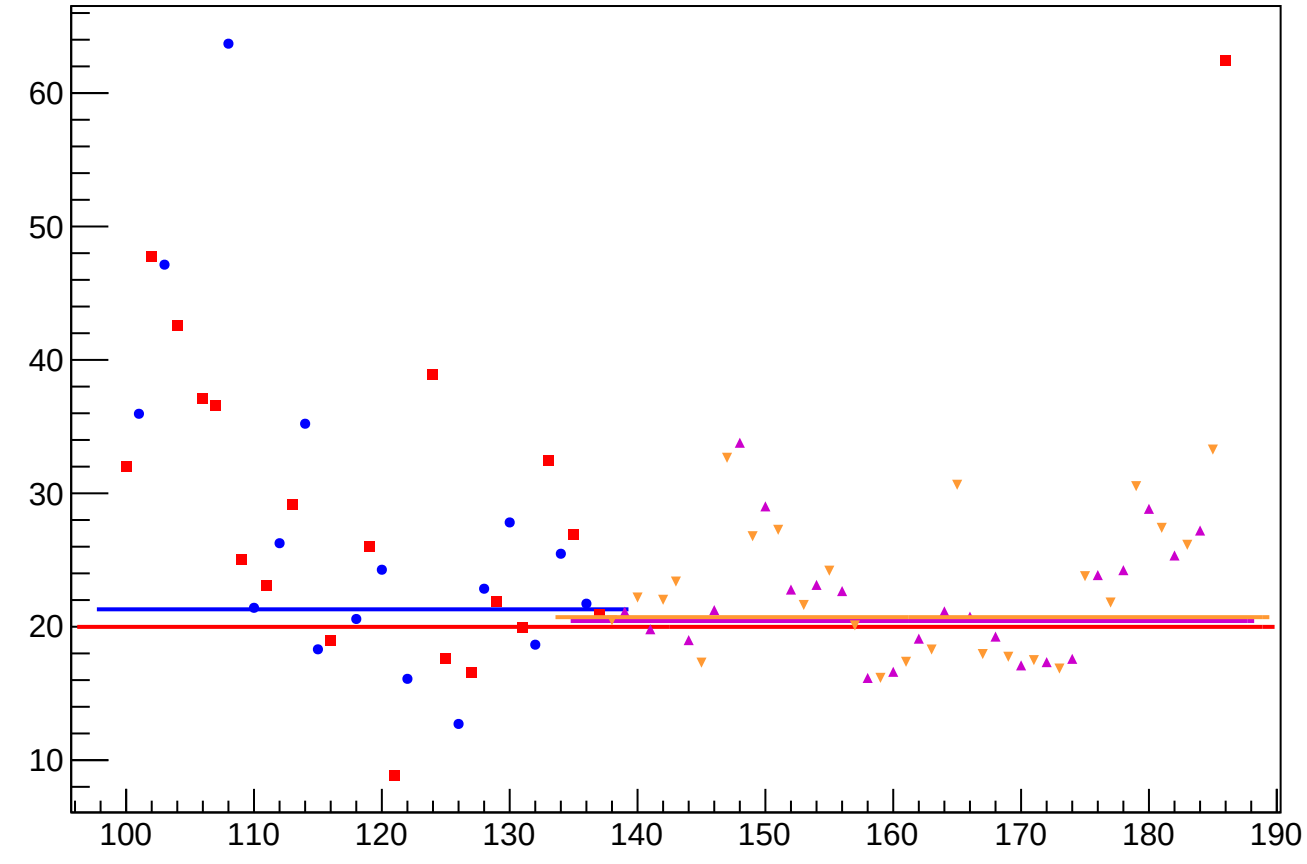
Right Out: 0.014+/-0.008 χ^2/NDF: 12.2/19

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 62.4/40

All: 0.008+/-0.003 χ^2/NDF: 96.2/83

- sign 0.004+/-0.004 χ^2/NDF: 31.8/42



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

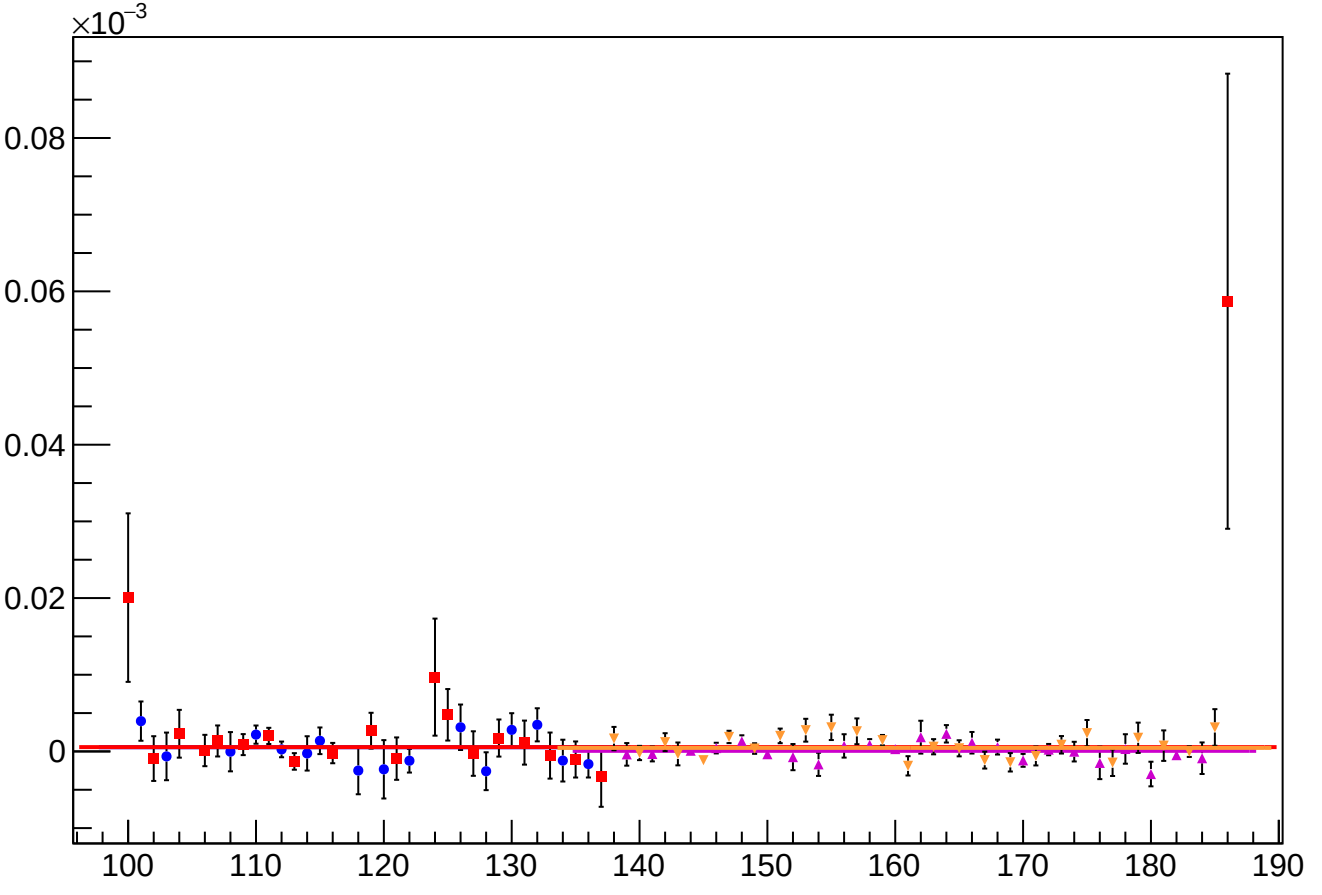
Right Out: 19.990+/-0.006 χ^2/NDF: 2808759.1/19

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.860+/-0.003 χ^2/NDF: 2992806.2/40

All: 20.585+/-0.002 χ^2/NDF: 6996481.2/83

- sign 20.312+/-0.003 χ^2/NDF: 3986921.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

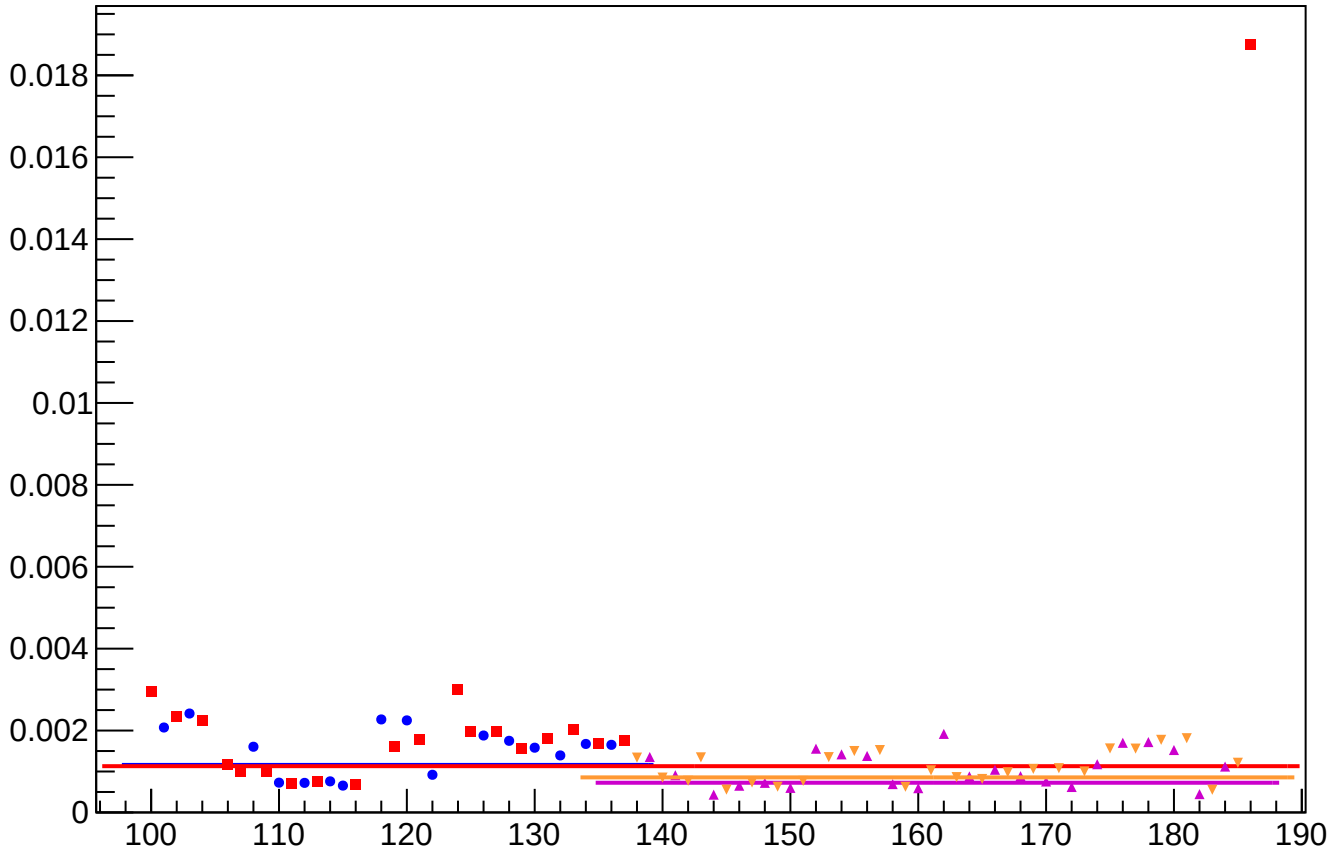
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/19

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.2/40

All: 0.000+/-0.000 χ^2/NDF: 92.5/83

- sign 0.000+/-0.000 χ^2/NDF: 39.7/42



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

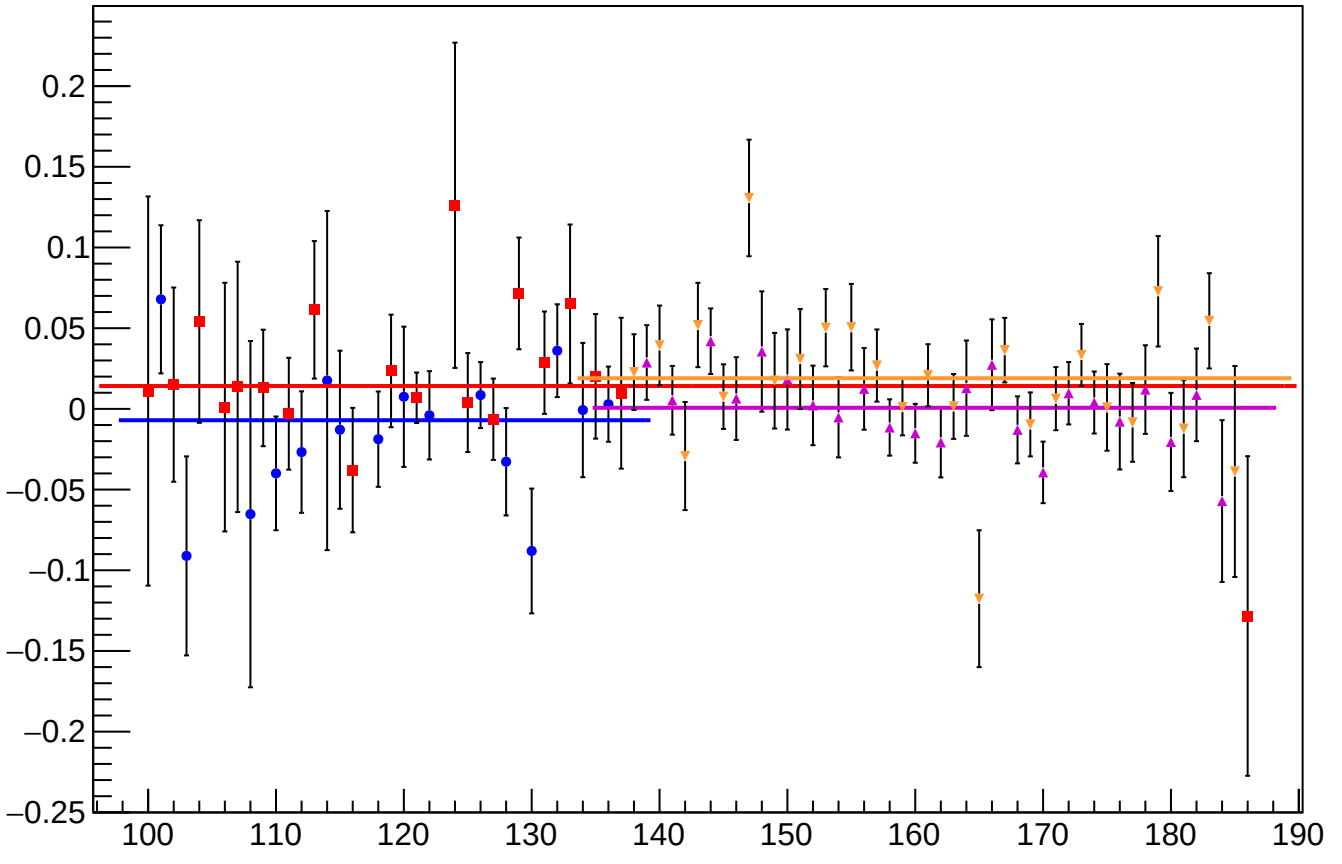
Right Out: 0.001+/-0.000 χ^2/NDF: 3329595.4/19

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 7650026.2/40

All: 0.001+/-0.000 χ^2/NDF: 18565317.6/83

- sign 0.001+/-0.000 χ^2/NDF: 10469397.7/42



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

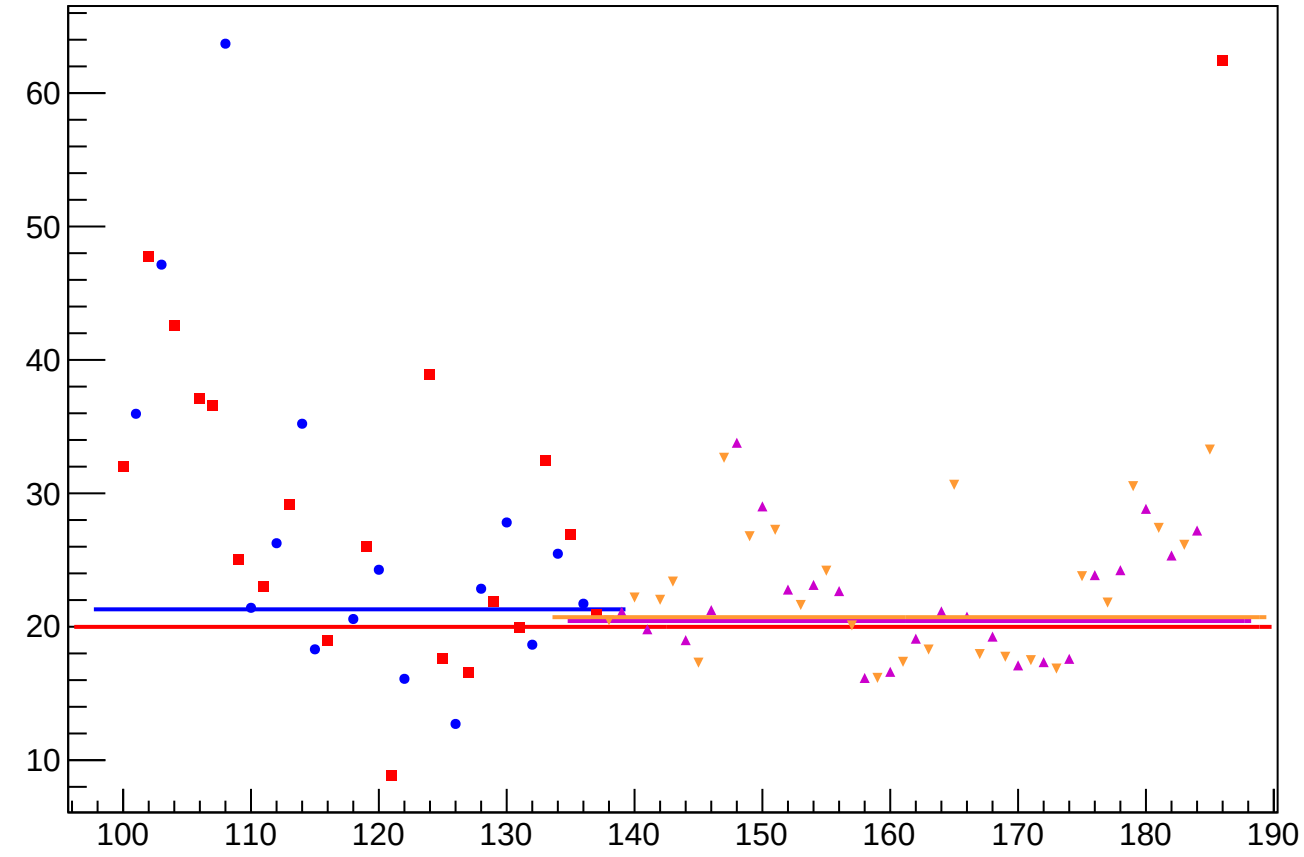
Right Out: 0.014+/-0.008 χ^2/NDF: 12.2/19

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 62.4/40

All: 0.008+/-0.003 χ^2/NDF: 96.2/83

- sign 0.004+/-0.004 χ^2/NDF: 31.8/42



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

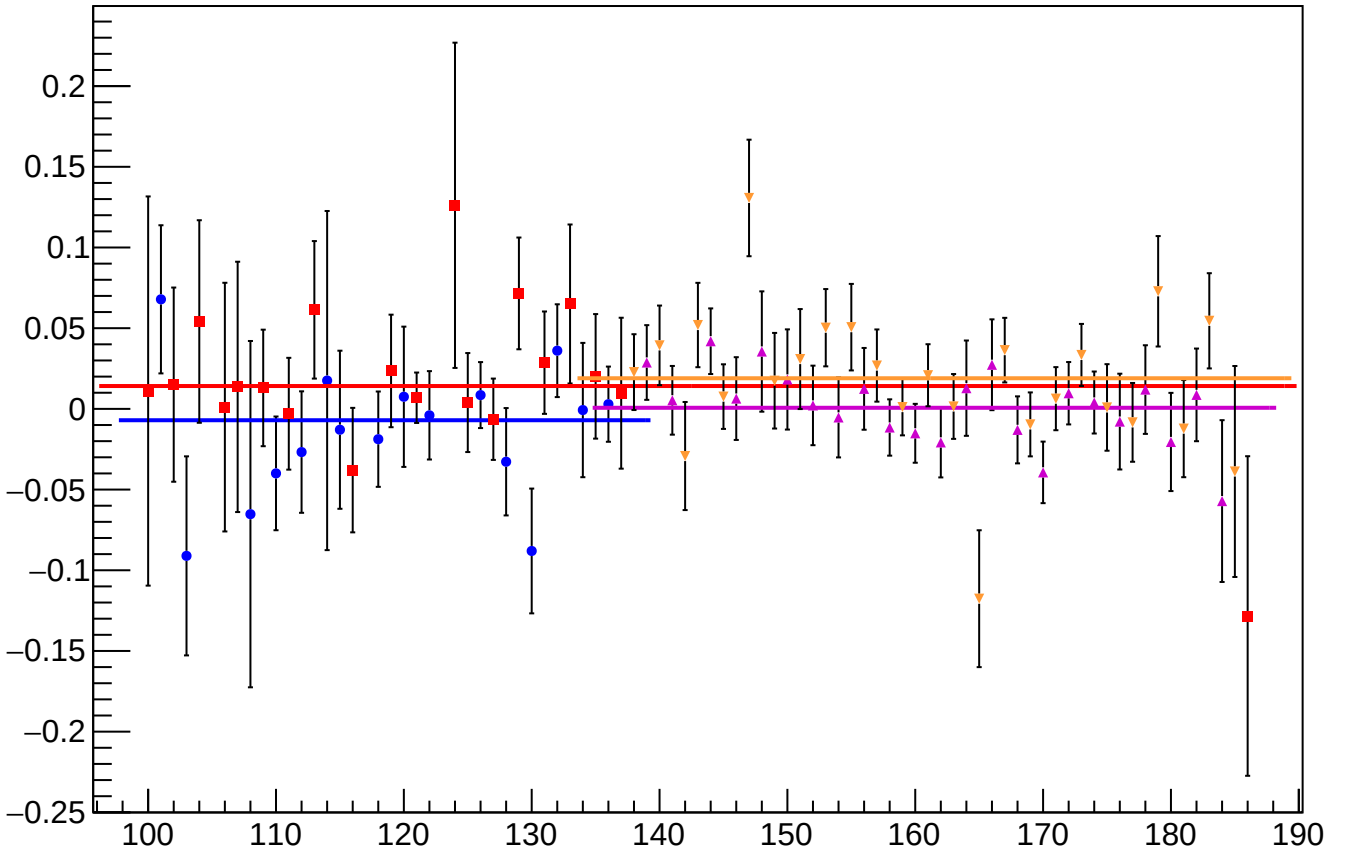
Right Out: 19.990+/-0.006 χ^2/NDF: 2808343.7/19

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

\+ sign 20.860+/-0.003 χ^2/NDF: 2992749.5/40

All: 20.585+/-0.002 χ^2/NDF: 6996032.1/83

\- sign 20.312+/-0.003 χ^2/NDF: 3986539.6/42



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

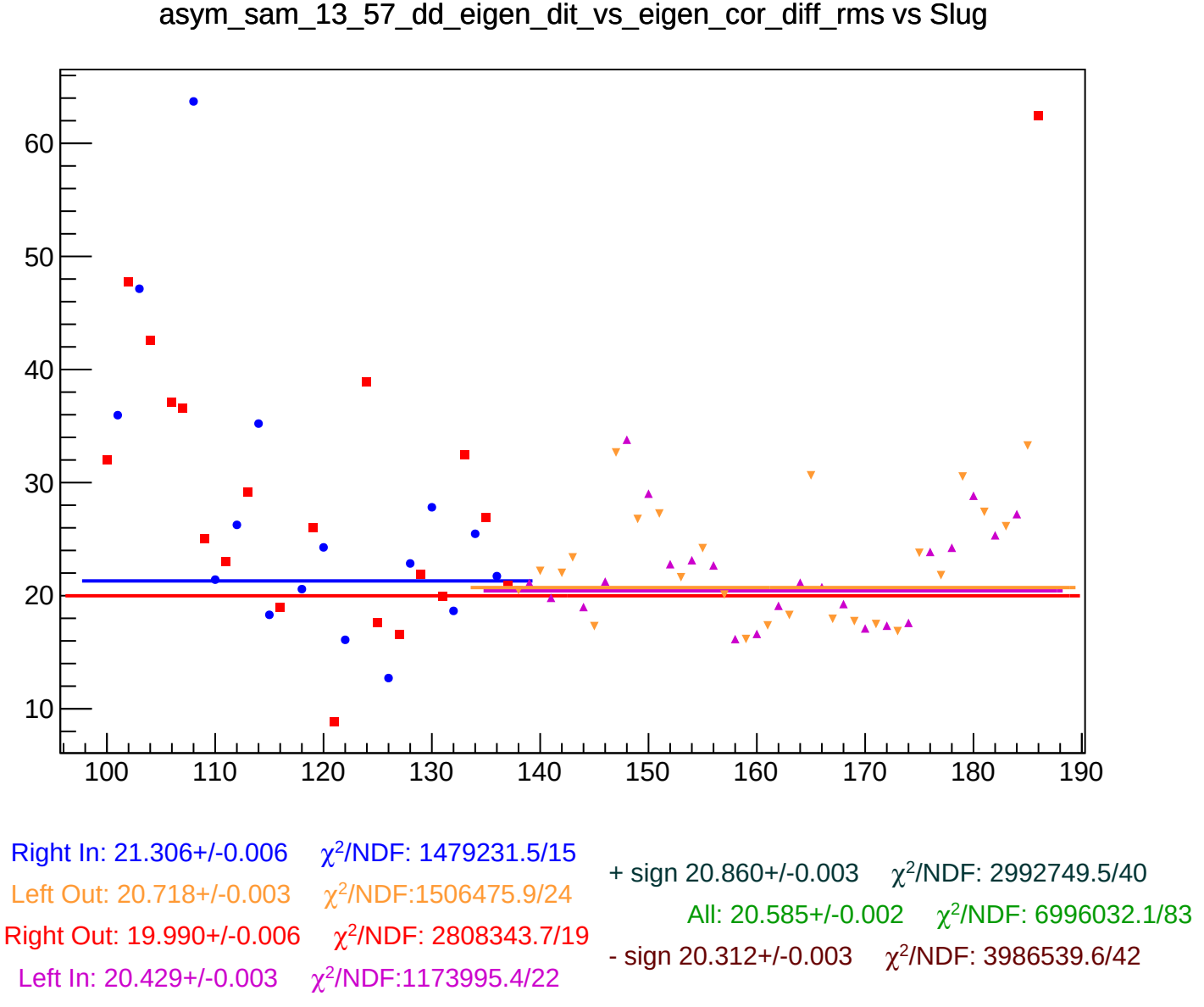
Right Out: 0.014+/-0.008 χ^2/NDF: 12.2/19

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 62.4/40

All: 0.008+/-0.003 χ^2/NDF: 96.2/83

- sign 0.004+/-0.004 χ^2/NDF: 31.8/42


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
60
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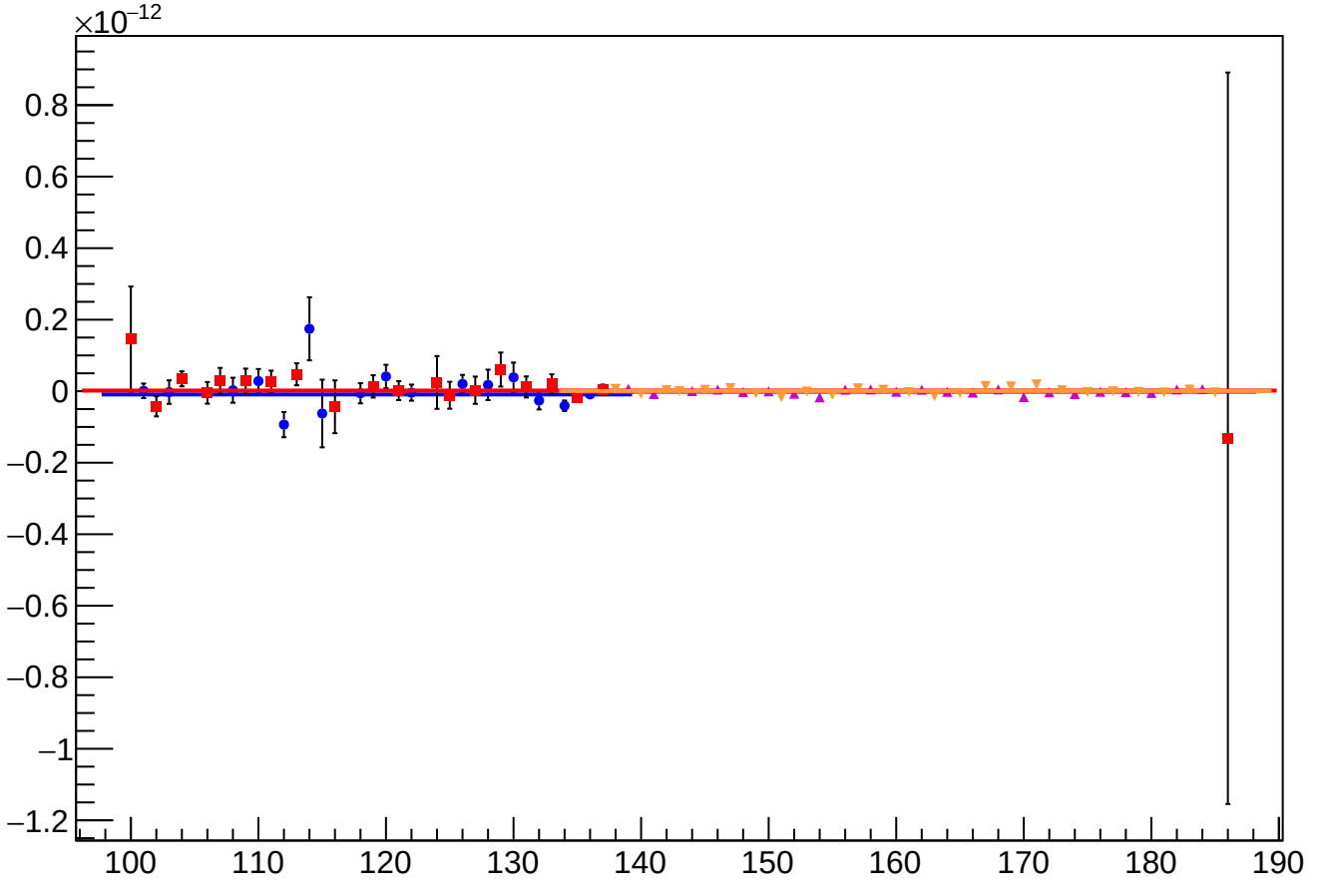
180
190
Right In: 21.306+/-0.006 χ²/NDF: 1479231.5/15
Left Out: 20.718+/-0.003 χ²/NDF:1506475.9/24
Right Out: 19.990+/-0.006 χ²/NDF: 2808343.7/19
Left In: 20.429+/-0.003 χ²/NDF:1173995.4/22
+ sign 20.860+/-0.003 χ²/NDF: 2992749.5/40
All: 20.585+/-0.002 χ²/NDF: 6996032.1/83
- sign 20.312+/-0.003 χ²/NDF: 3986539.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

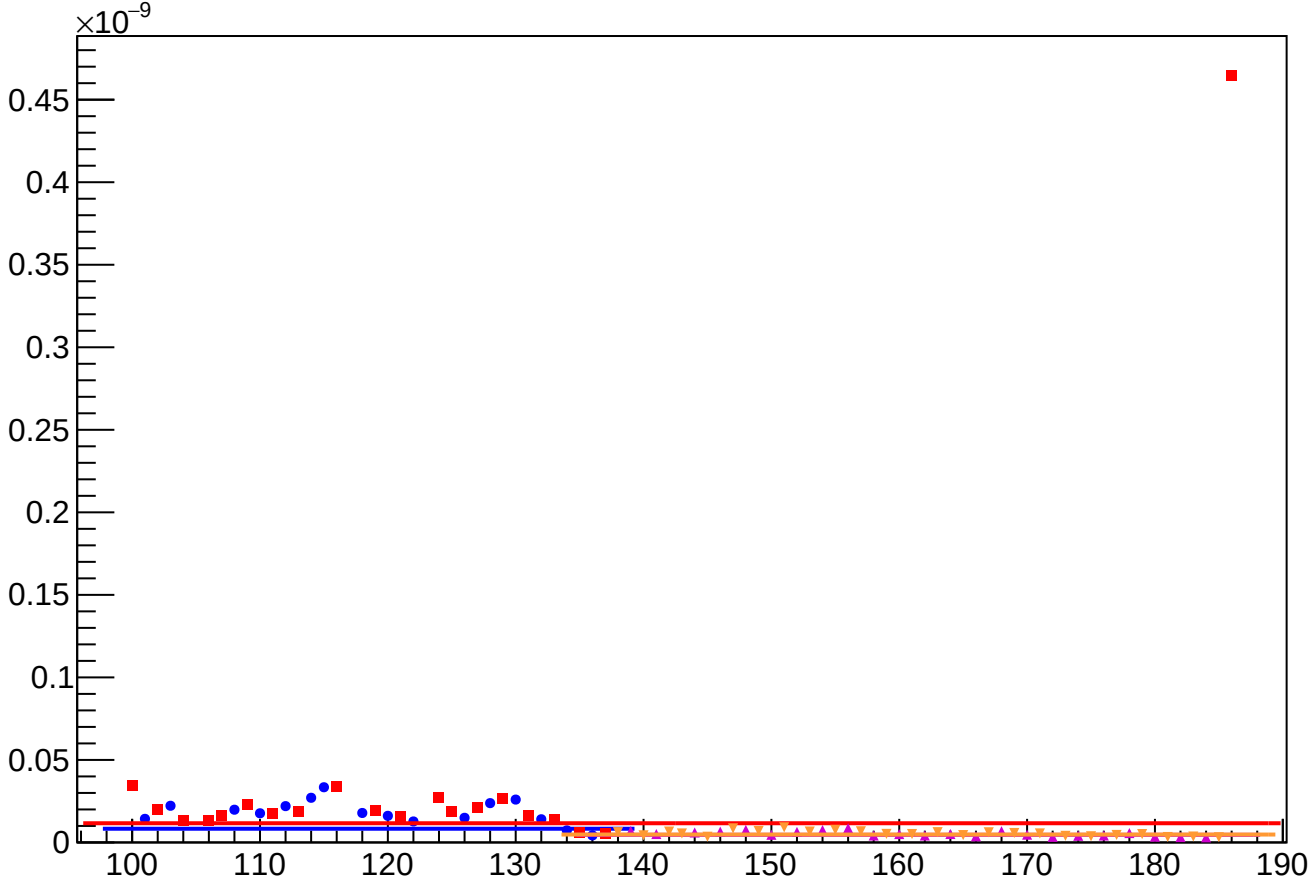
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/19

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.9/40

All: -0.000+/-0.000 χ^2/NDF: 94.3/83

- sign -0.000+/-0.000 χ^2/NDF: 37.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3003369.6/19

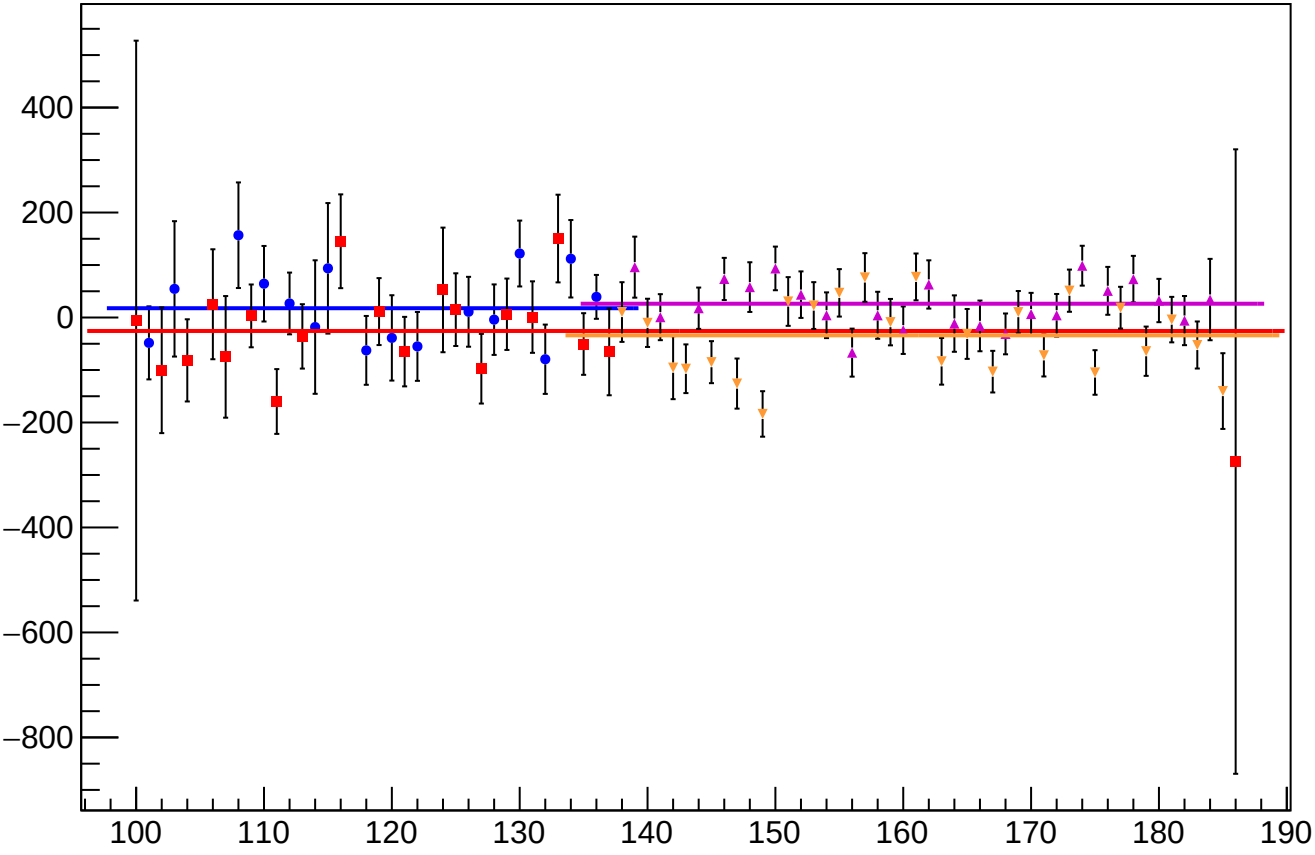
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6977808.8/40

All: 0.000+/-0.000 χ^2/NDF: 14794597.4/83

- sign 0.000+/-0.000 χ^2/NDF: 7811104.1/42

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -25.652+/-17.329 χ^2/NDF: 18.0/19

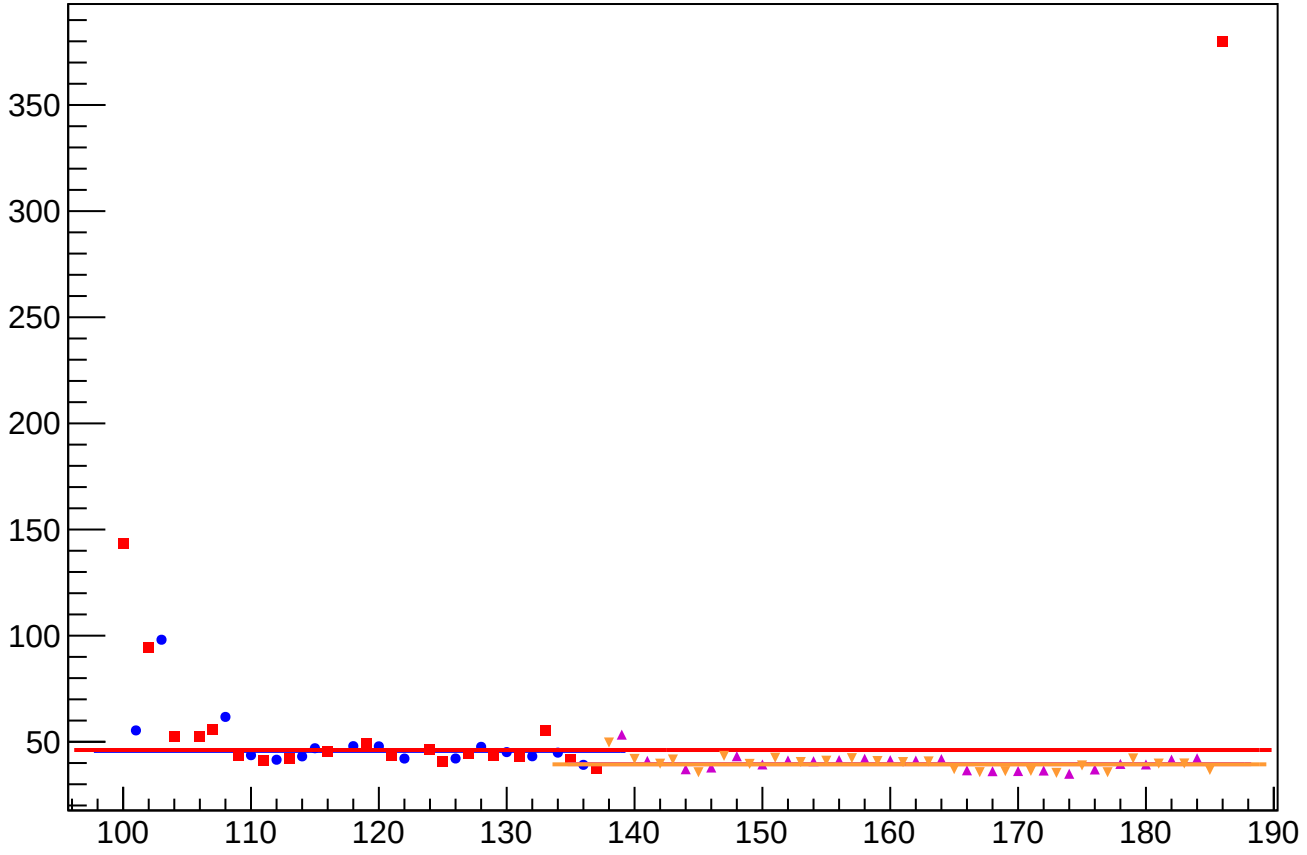
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -23.134+/-7.996 χ^2/NDF: 79.6/40

All: -4.629+/-5.716 χ^2/NDF: 138.0/83

- sign 14.713+/-8.175 χ^2/NDF: 47.5/42

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

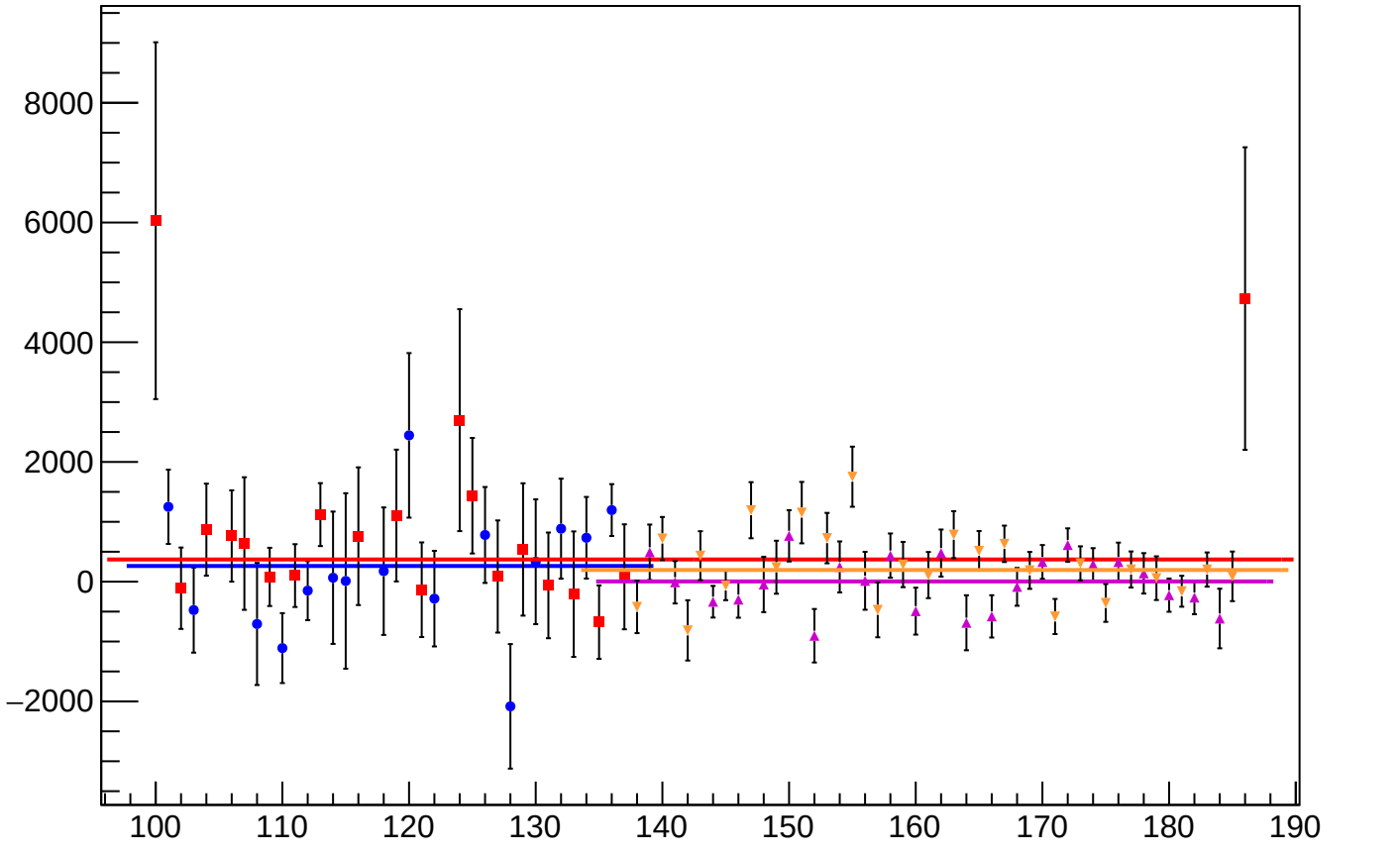
Right Out: 46.133+/-0.012 χ^2/NDF: 1170242.1/19

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 40.712+/-0.006 χ^2/NDF: 938753.9/40

All: 40.837+/-0.004 χ^2/NDF: 2590222.1/83

- sign 40.969+/-0.006 χ^2/NDF: 1650455.5/42



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: 370.966+/-180.222 χ^2/NDF: 17.9/19

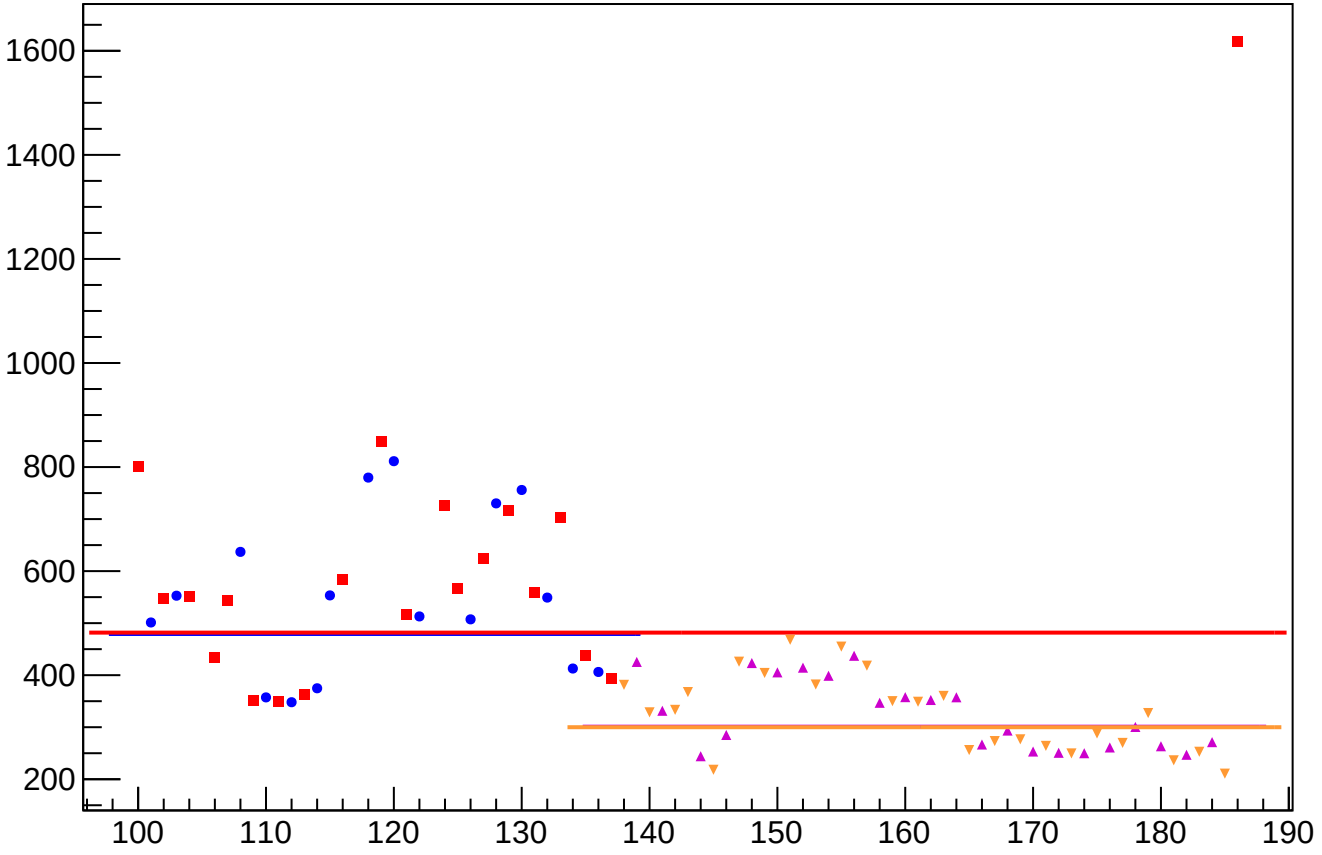
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 203.412+/-65.555 χ^2/NDF: 73.7/40

All: 130.407+/-46.804 χ^2/NDF: 130.1/83

- sign 54.498+/-66.846 χ^2/NDF: 53.9/42

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

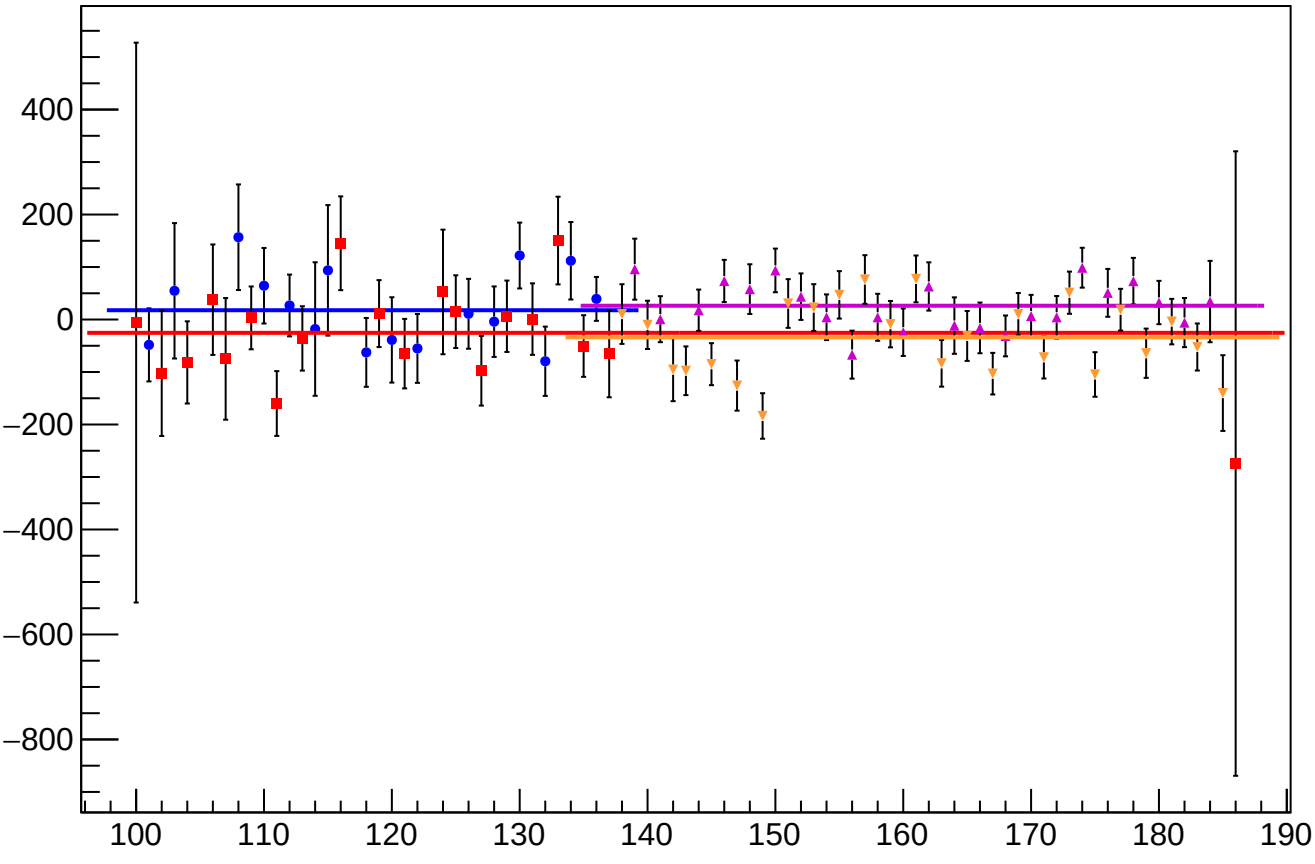
Right Out: 481.799+/-0.127 χ^2/NDF: 1412649.8/19

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 322.427+/-0.046 χ^2/NDF: 4398907.7/40

All: 324.116+/-0.033 χ^2/NDF: 8957379.1/83

- sign 325.873+/-0.047 χ^2/NDF: 4555761.6/42



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -25.356+/-17.332 χ^2/NDF: 18.2/19

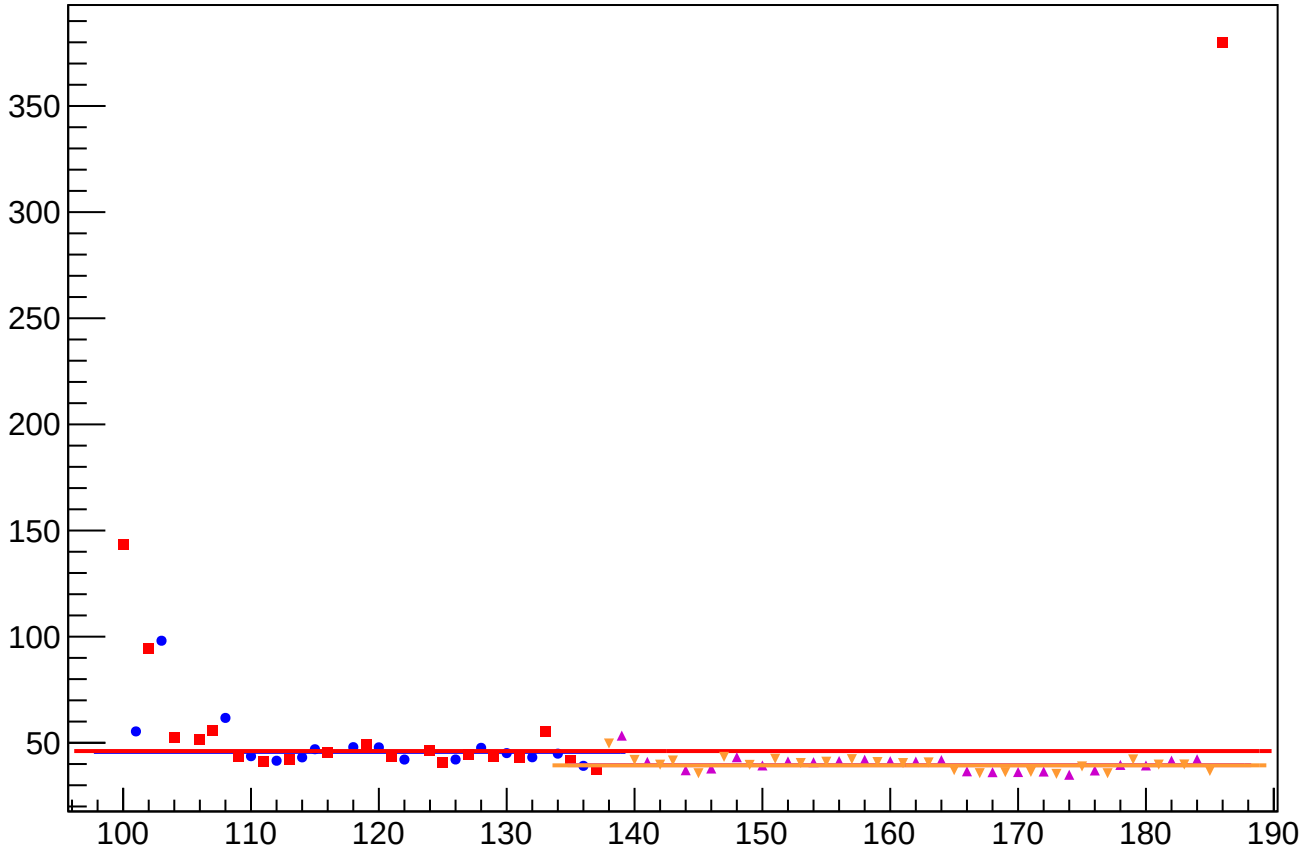
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -23.133+/-7.996 χ^2/NDF: 79.6/40

All: -4.596+/-5.716 χ^2/NDF: 138.1/83

- sign 14.781+/-8.175 χ^2/NDF: 47.5/42

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 46.109+/-0.012 χ^2/NDF: 1168645.8/19

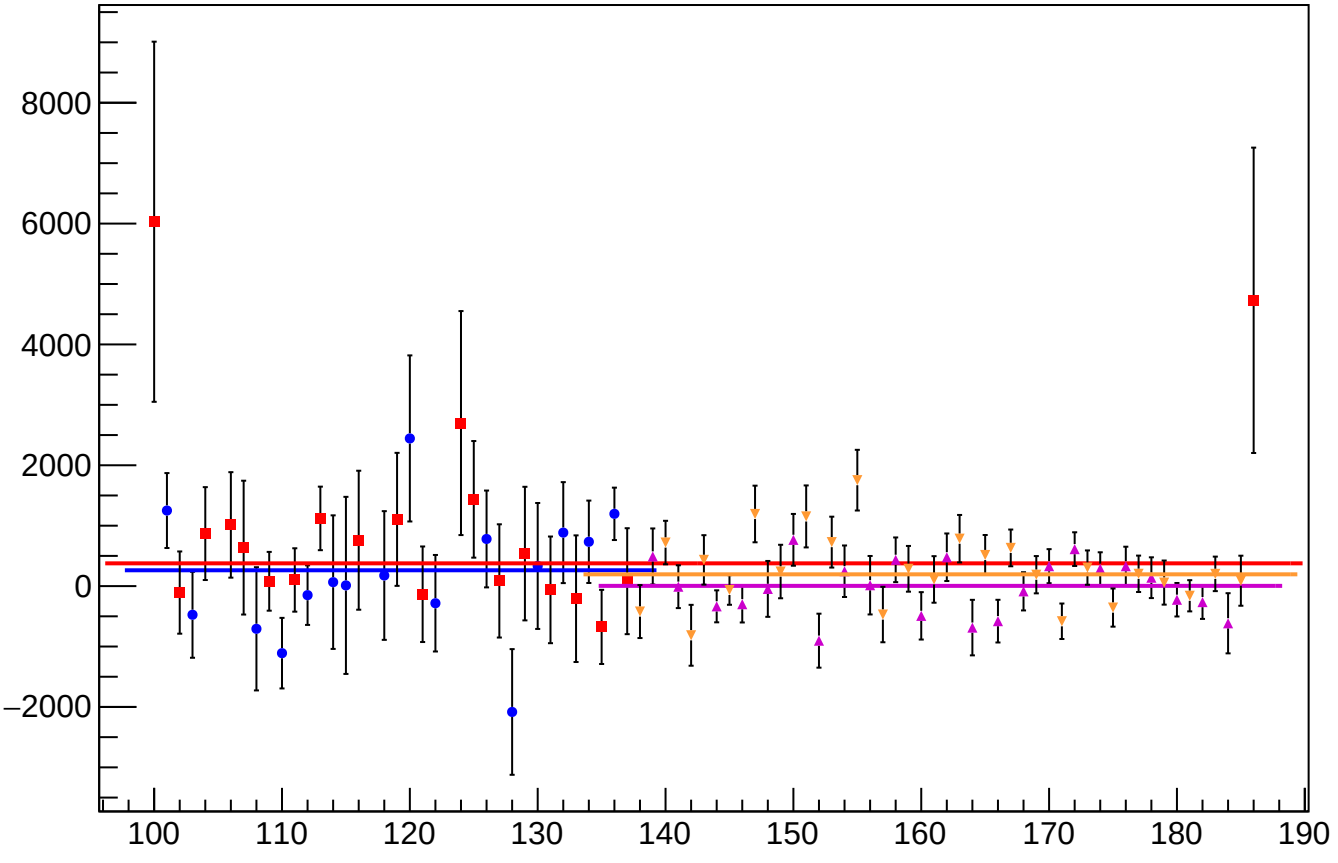
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 40.712+/-0.006 χ^2/NDF: 938756.8/40

All: 40.835+/-0.004 χ^2/NDF: 2586907.4/83

- sign 40.963+/-0.006 χ^2/NDF: 1647181.4/42

asym_sam_15_37_dd_cor_correction_mean vs Slug



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 376.760+/-181.433 χ^2/NDF: 18.2/19

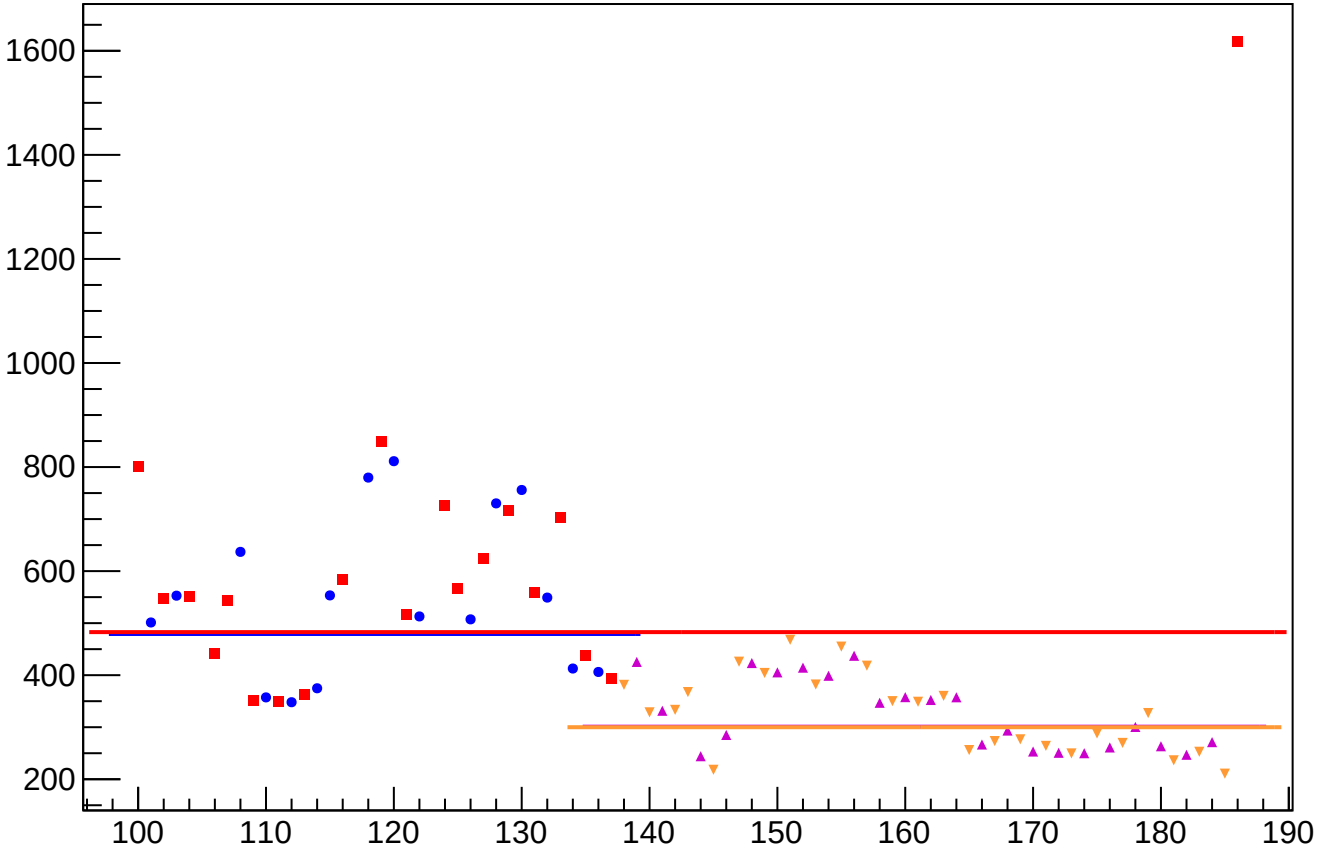
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 203.412+/-65.555 χ^2/NDF: 73.7/40

All: 130.577+/-46.825 χ^2/NDF: 130.4/83

- sign 54.705+/-66.908 χ^2/NDF: 54.2/42

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 482.773+/-0.128 χ^2/NDF: 1409259.7/19

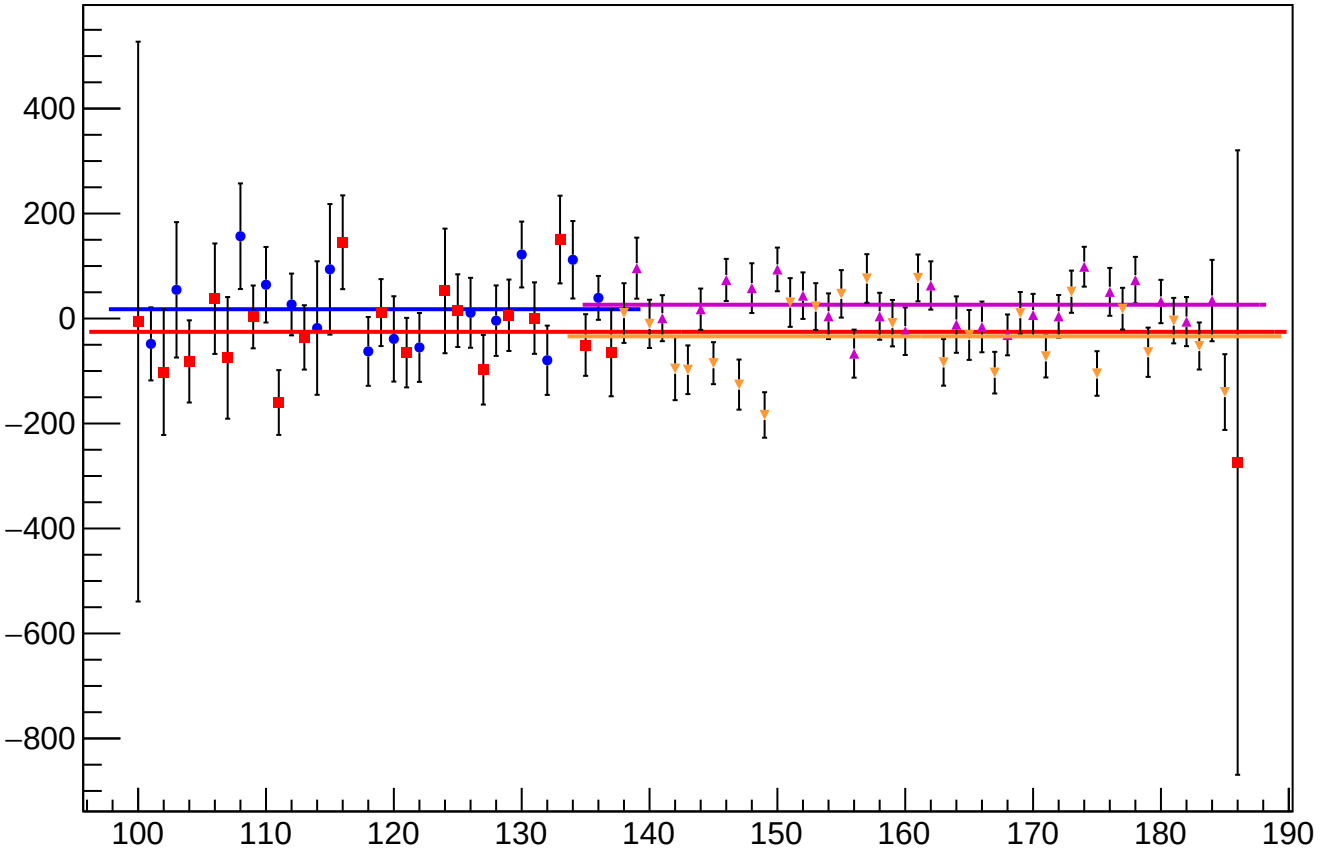
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 322.427+/-0.046 χ^2/NDF: 4398951.5/40

All: 324.040+/-0.033 χ^2/NDF: 8952394.7/83

- sign 325.720+/-0.047 χ^2/NDF: 4550971.9/42

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -25.356+/-17.332 χ^2/NDF: 18.2/19

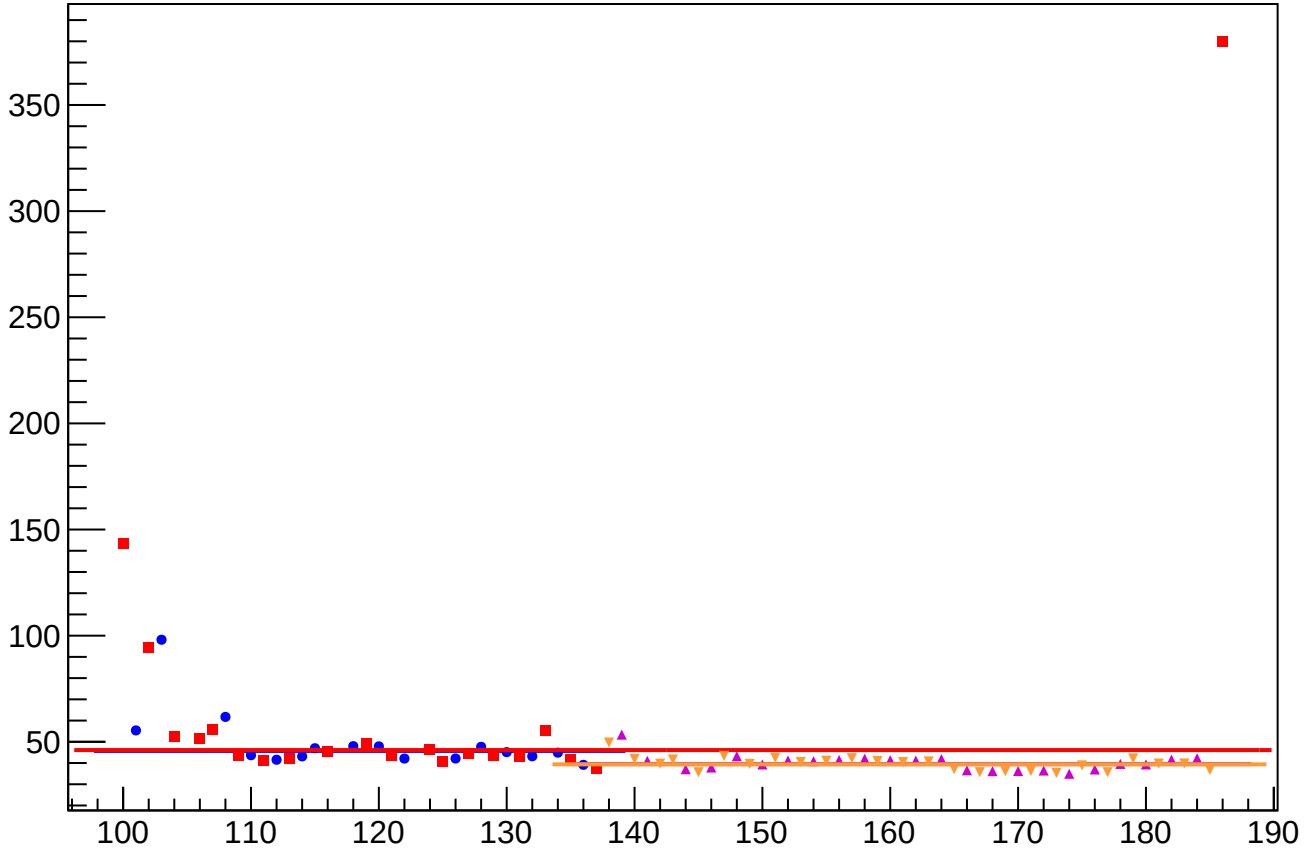
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -23.133+/-7.996 χ^2/NDF: 79.6/40

All: -4.596+/-5.716 χ^2/NDF: 138.1/83

- sign 14.781+/-8.175 χ^2/NDF: 47.5/42

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

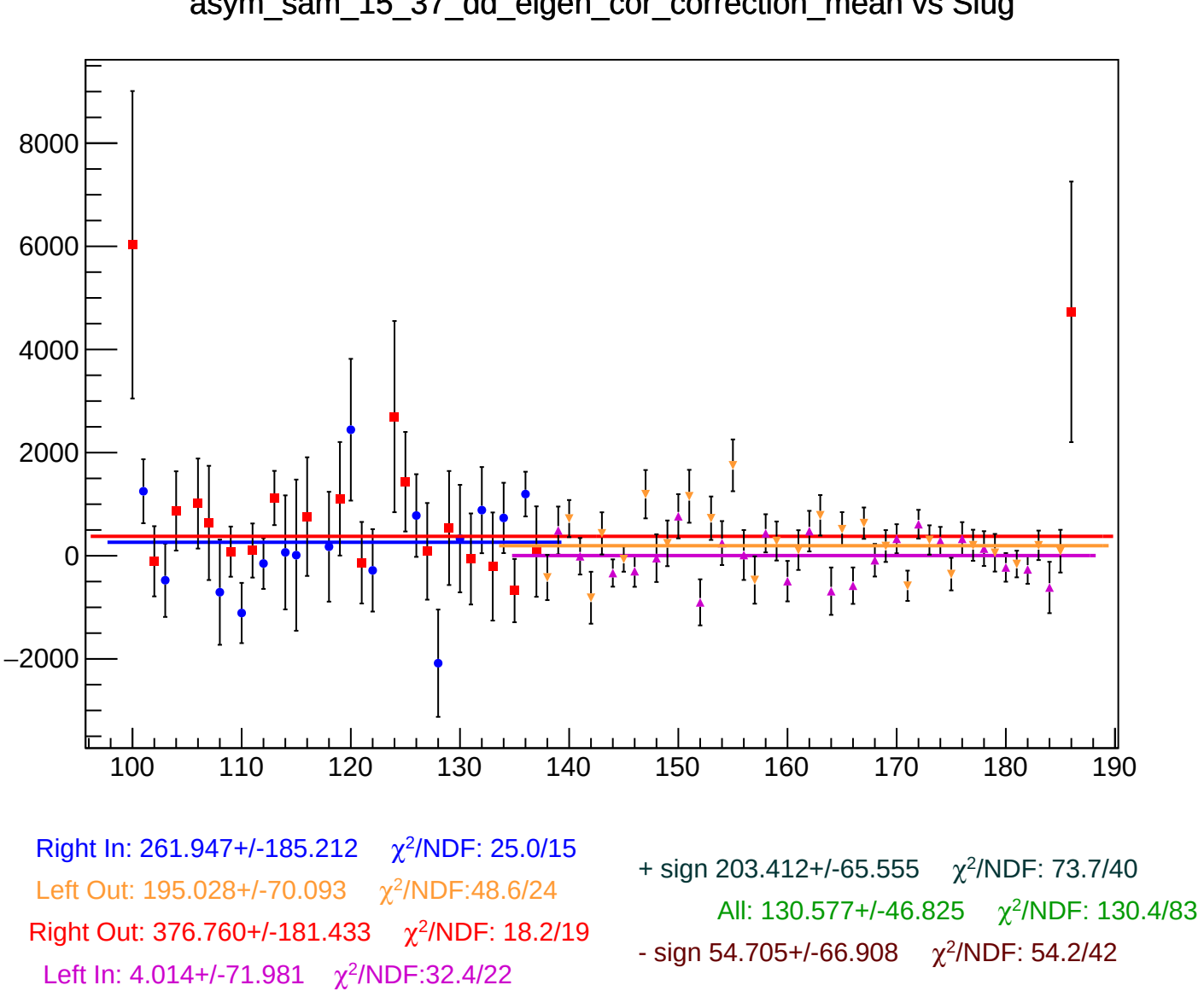
Right Out: 46.109+/-0.012 χ^2/NDF: 1168645.8/19

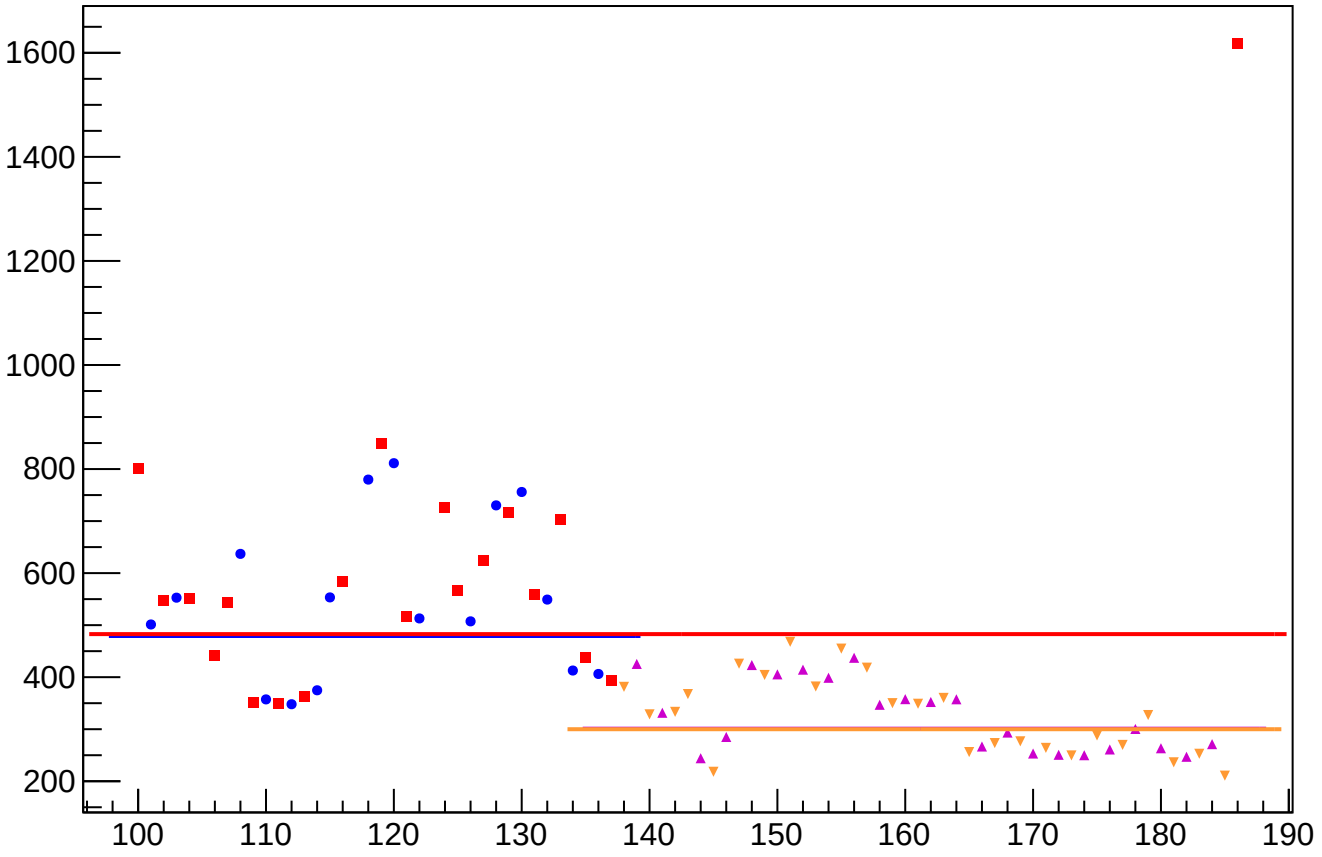
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 40.712+/-0.006 χ^2/NDF: 938756.8/40

All: 40.835+/-0.004 χ^2/NDF: 2586907.4/83

- sign 40.963+/-0.006 χ^2/NDF: 1647181.4/42


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
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 203.412+/-65.555 χ²/NDF: 73.7/40
All: 130.577+/-46.825 χ²/NDF: 130.4/83
- sign 54.705+/-66.908 χ²/NDF: 54.2/42



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 482.773+/-0.128 χ^2/NDF: 1409259.7/19

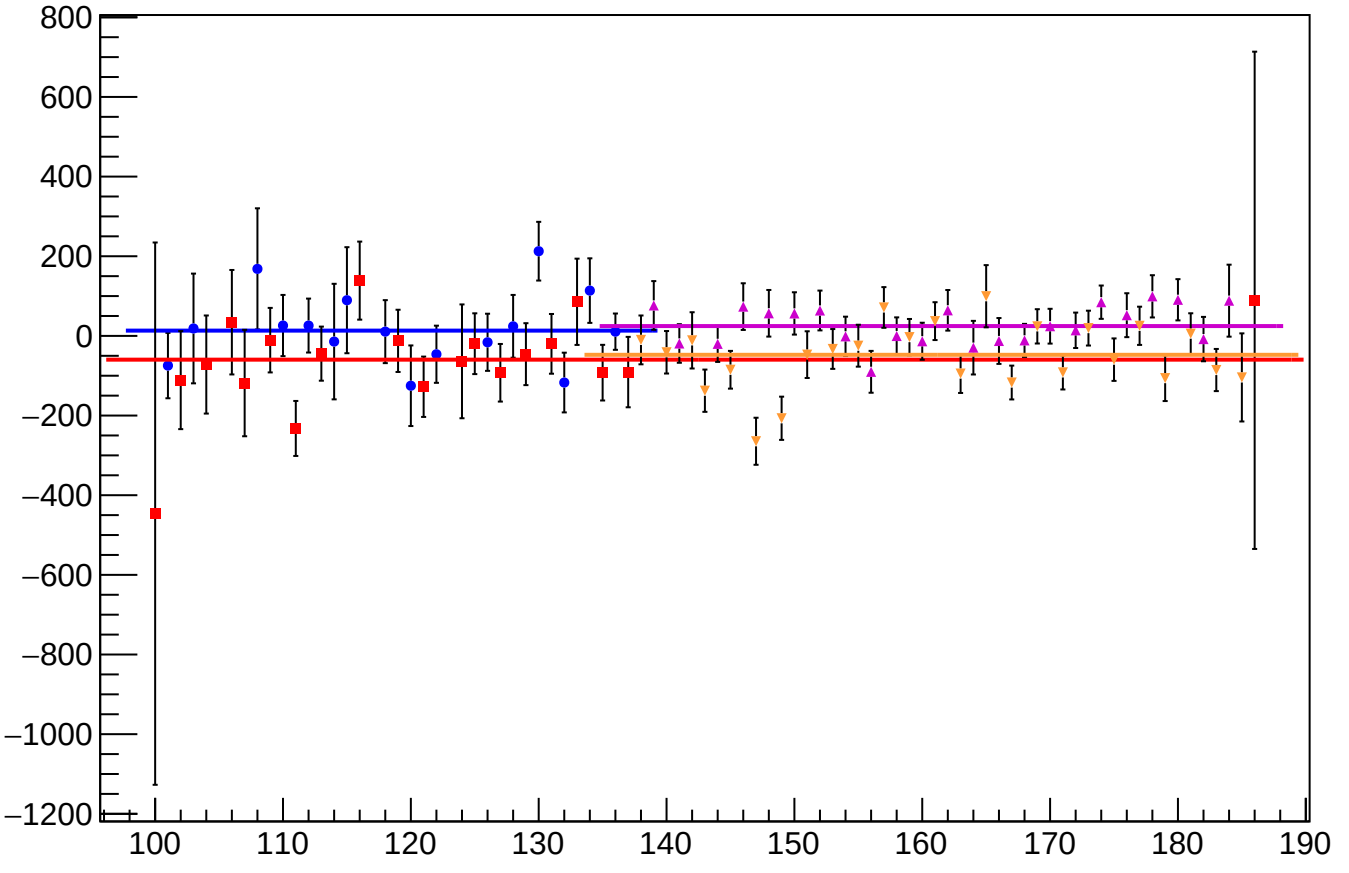
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 322.427+/-0.046 χ^2/NDF: 4398951.5/40

All: 324.040+/-0.033 χ^2/NDF: 8952394.7/83

- sign 325.720+/-0.047 χ^2/NDF: 4550971.9/42

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -59.654+/-20.223 χ^2/NDF: 16.2/19

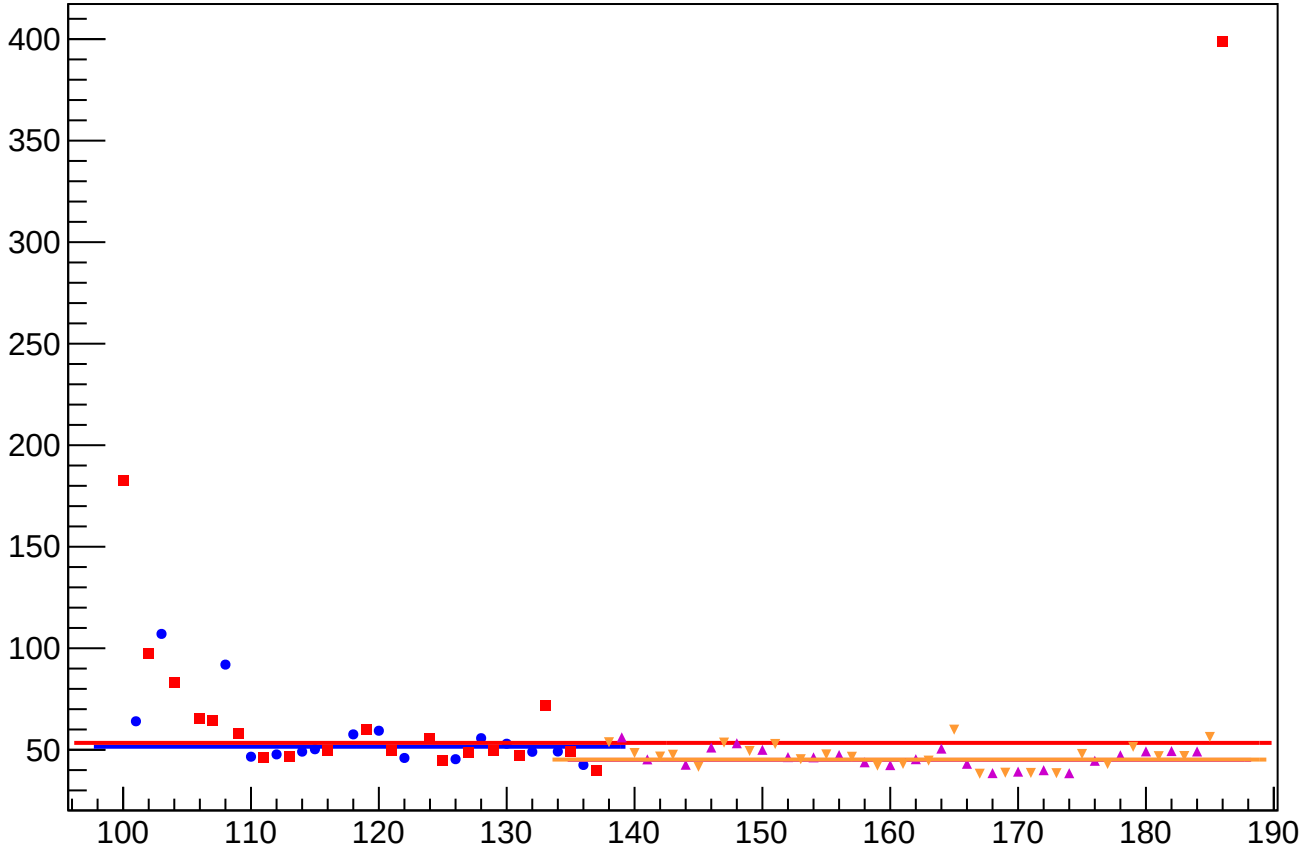
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.411+/-9.207 χ^2/NDF: 79.3/40

All: -14.520+/-6.588 χ^2/NDF: 138.3/83

- sign 6.349+/-9.430 χ^2/NDF: 49.5/42

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 53.400+/-0.014 χ^2/NDF: 1325722.2/19

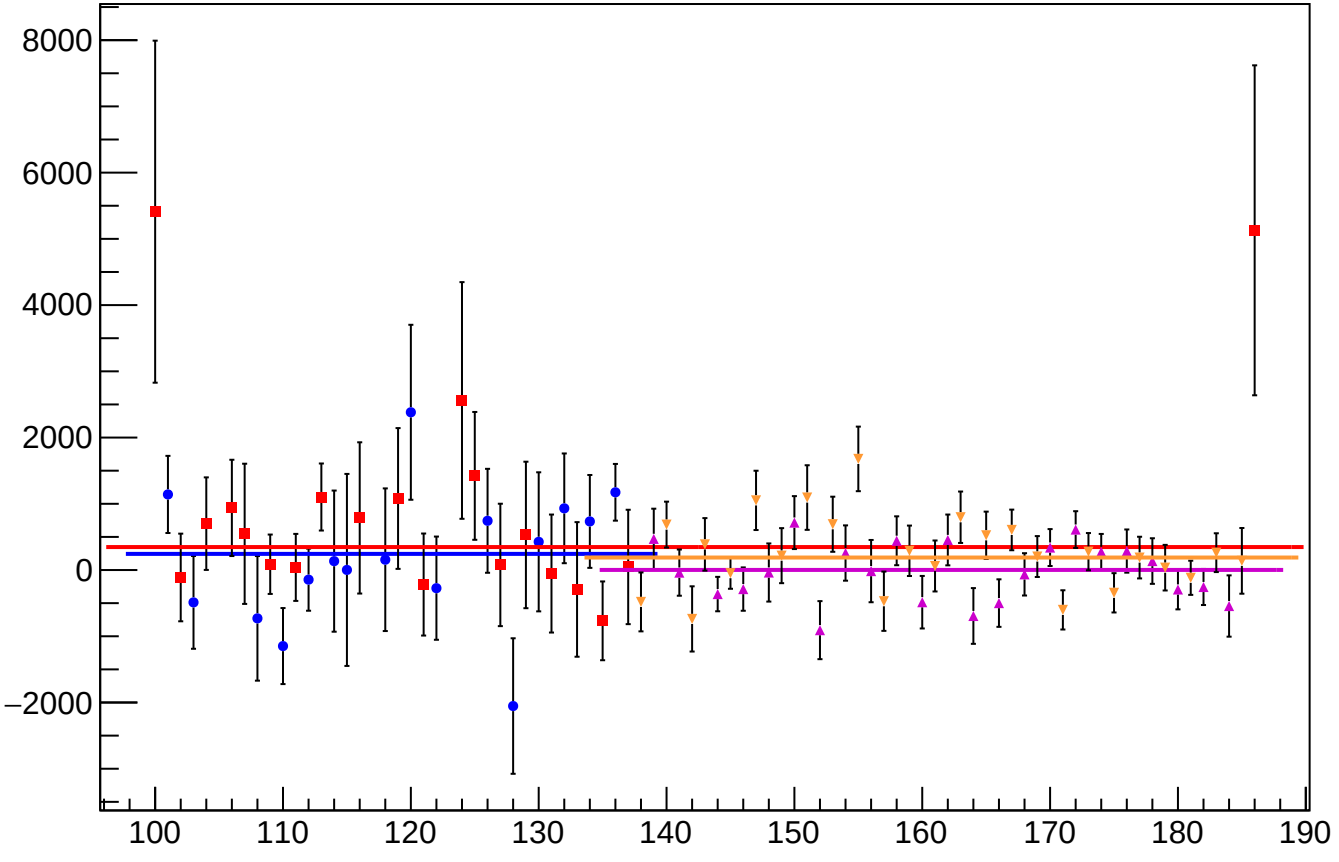
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 46.537+/-0.007 χ^2/NDF: 1316587.4/40

All: 46.685+/-0.005 χ^2/NDF: 3284980.7/83

- sign 46.840+/-0.007 χ^2/NDF: 1967335.2/42

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 346.865+/-173.211 χ^2/NDF: 20.2/19

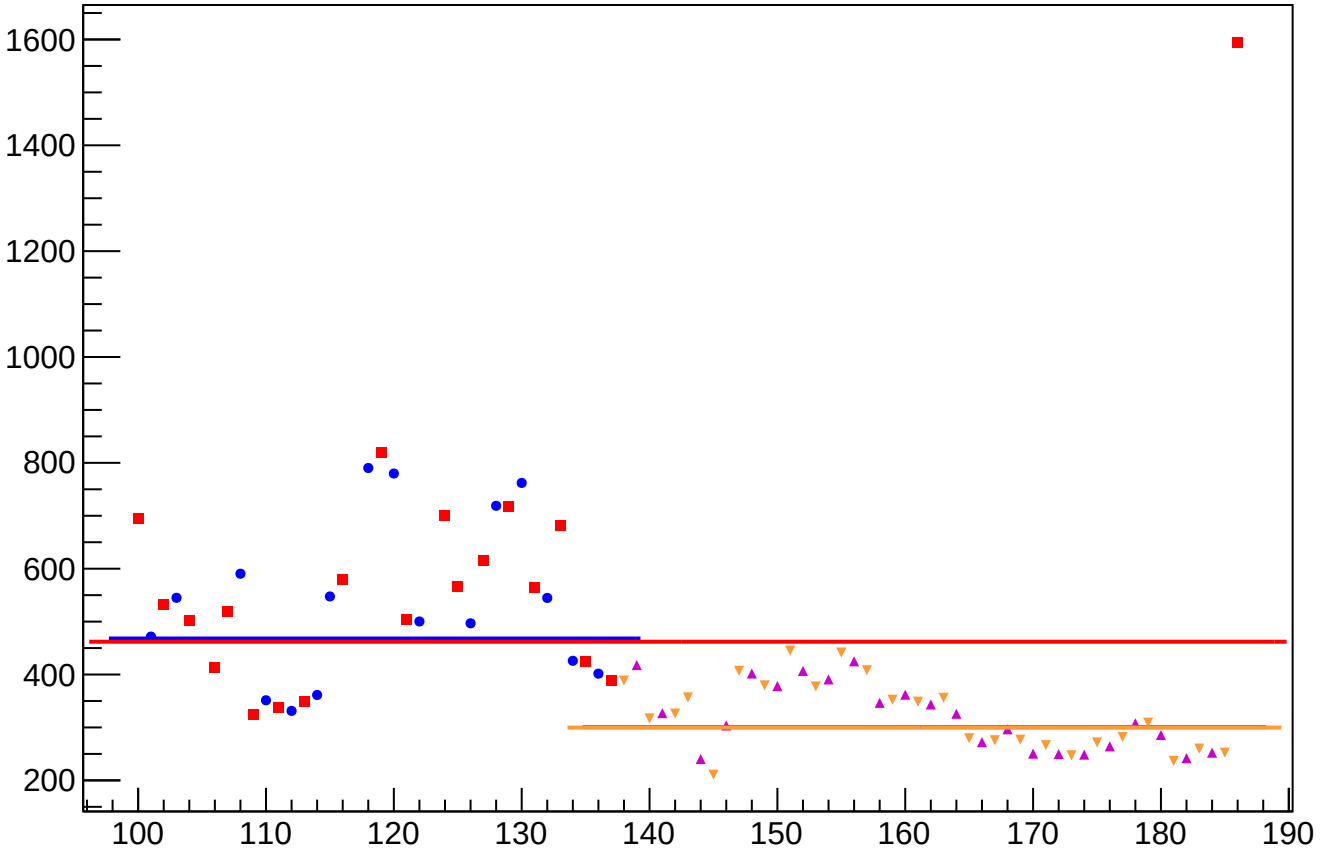
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 195.928+/-65.049 χ^2/NDF: 72.4/40

All: 125.372+/-46.418 χ^2/NDF: 130.6/83

- sign 52.169+/-66.258 χ^2/NDF: 55.8/42

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

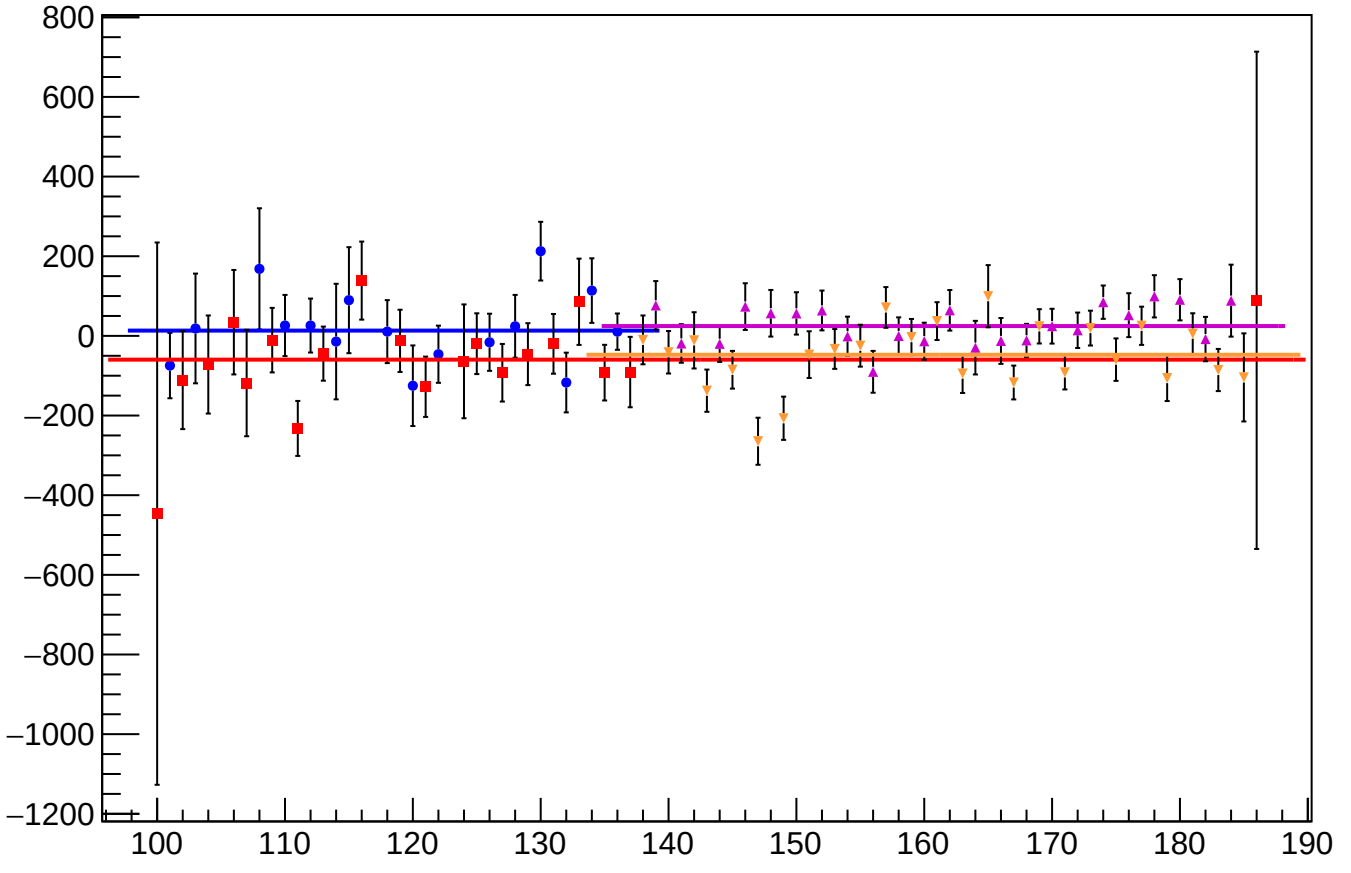
Right Out: 461.969+/-0.122 χ^2/NDF: 1497728.7/19

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 321.562+/-0.046 χ^2/NDF: 4067411.2/40

All: 322.840+/-0.033 χ^2/NDF: 8308875.0/83

- sign 324.165+/-0.047 χ^2/NDF: 4239892.4/42



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -59.655+/-20.223 χ^2/NDF: 16.2/19

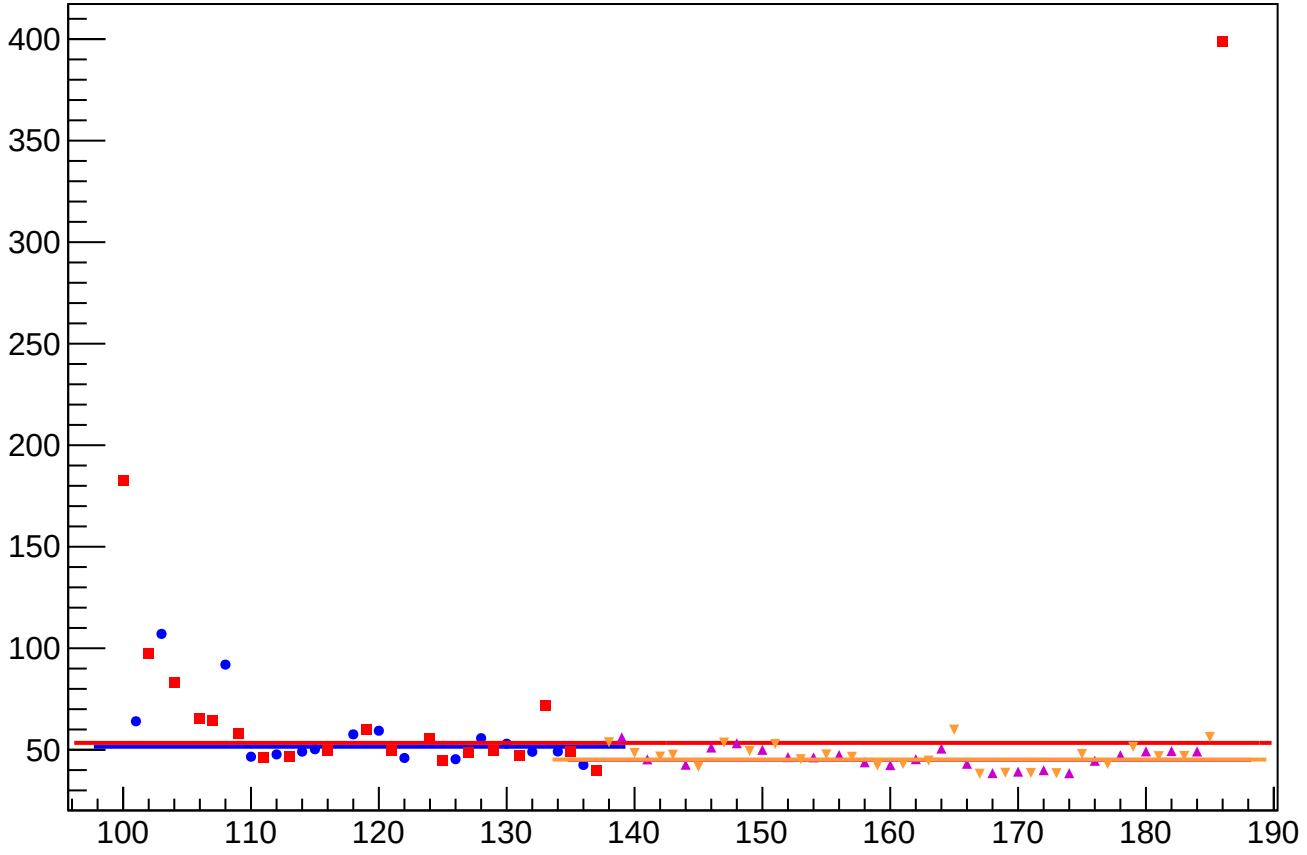
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.411+/-9.207 χ^2/NDF: 79.3/40

All: -14.520+/-6.588 χ^2/NDF: 138.3/83

- sign 6.348+/-9.430 χ^2/NDF: 49.5/42

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

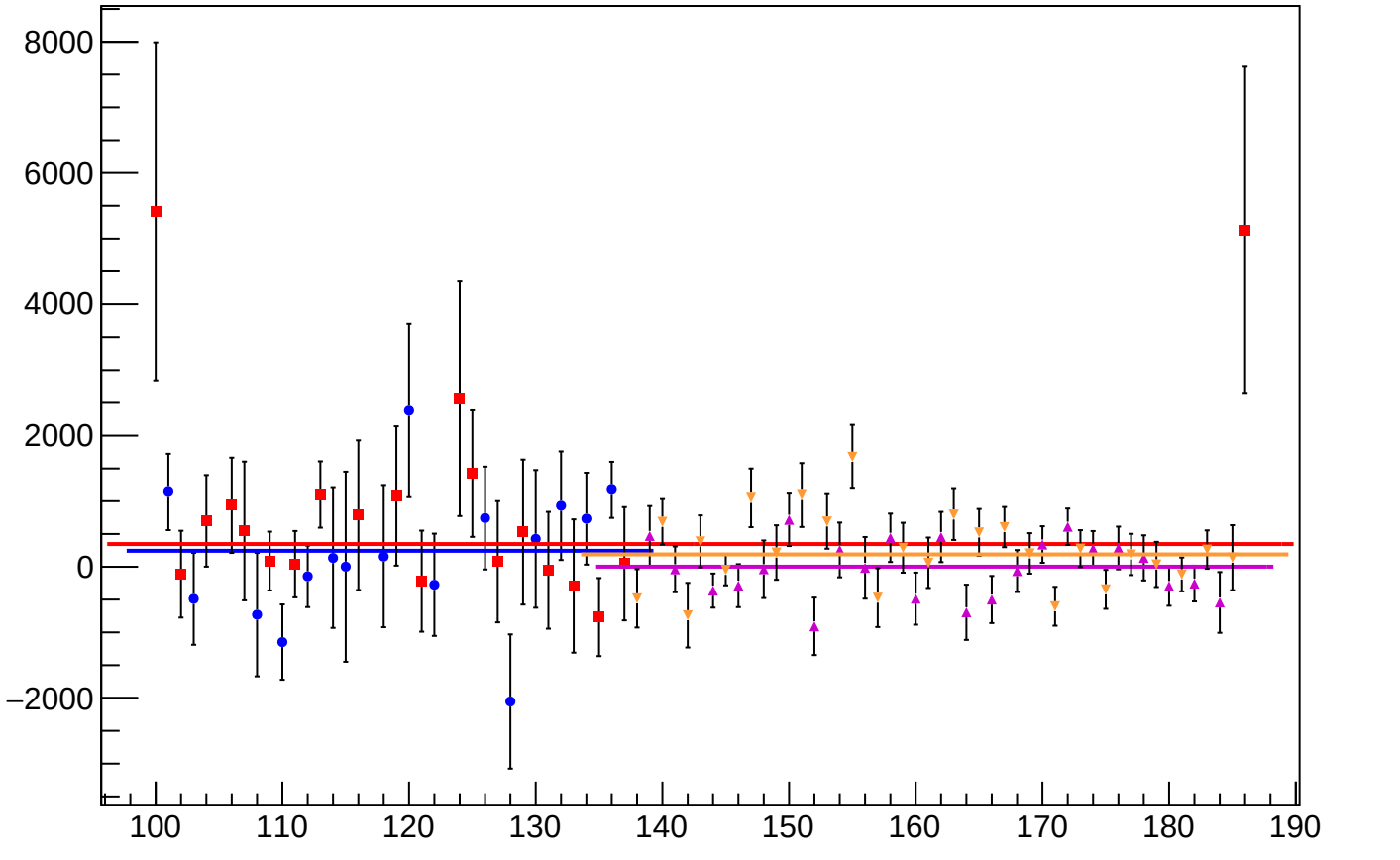
Right Out: 53.400+/-0.014 χ^2/NDF: 1325731.4/19

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 46.537+/-0.007 χ^2/NDF: 1316593.7/40

All: 46.685+/-0.005 χ^2/NDF: 3284997.5/83

- sign 46.840+/-0.007 χ^2/NDF: 1967345.5/42



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: 346.865+/-173.211 χ^2/NDF: 20.2/19

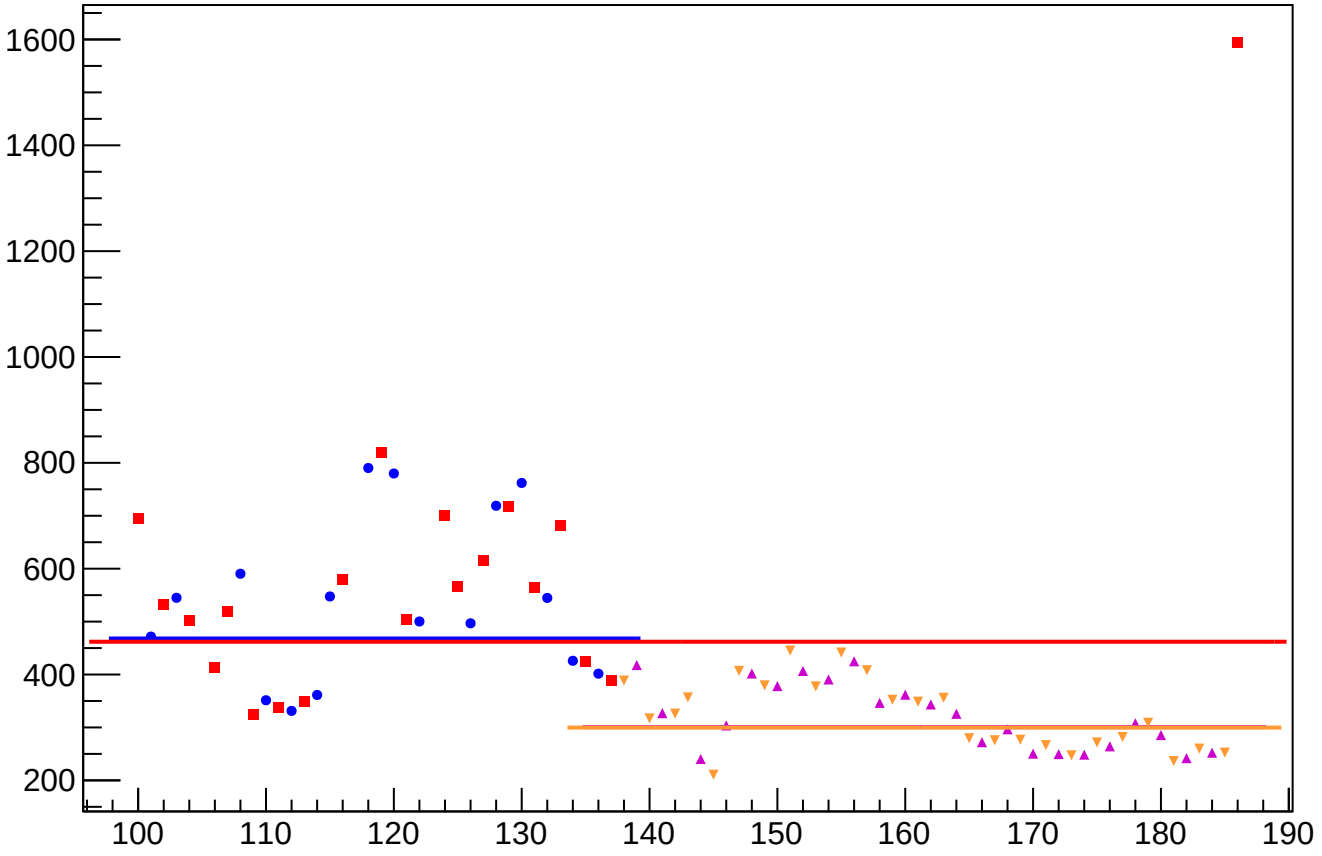
Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 195.928+/-65.049 χ^2/NDF: 72.4/40

All: 125.372+/-46.418 χ^2/NDF: 130.6/83

- sign 52.168+/-66.258 χ^2/NDF: 55.8/42

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 461.968+/-0.122 χ^2/NDF: 1497723.0/19

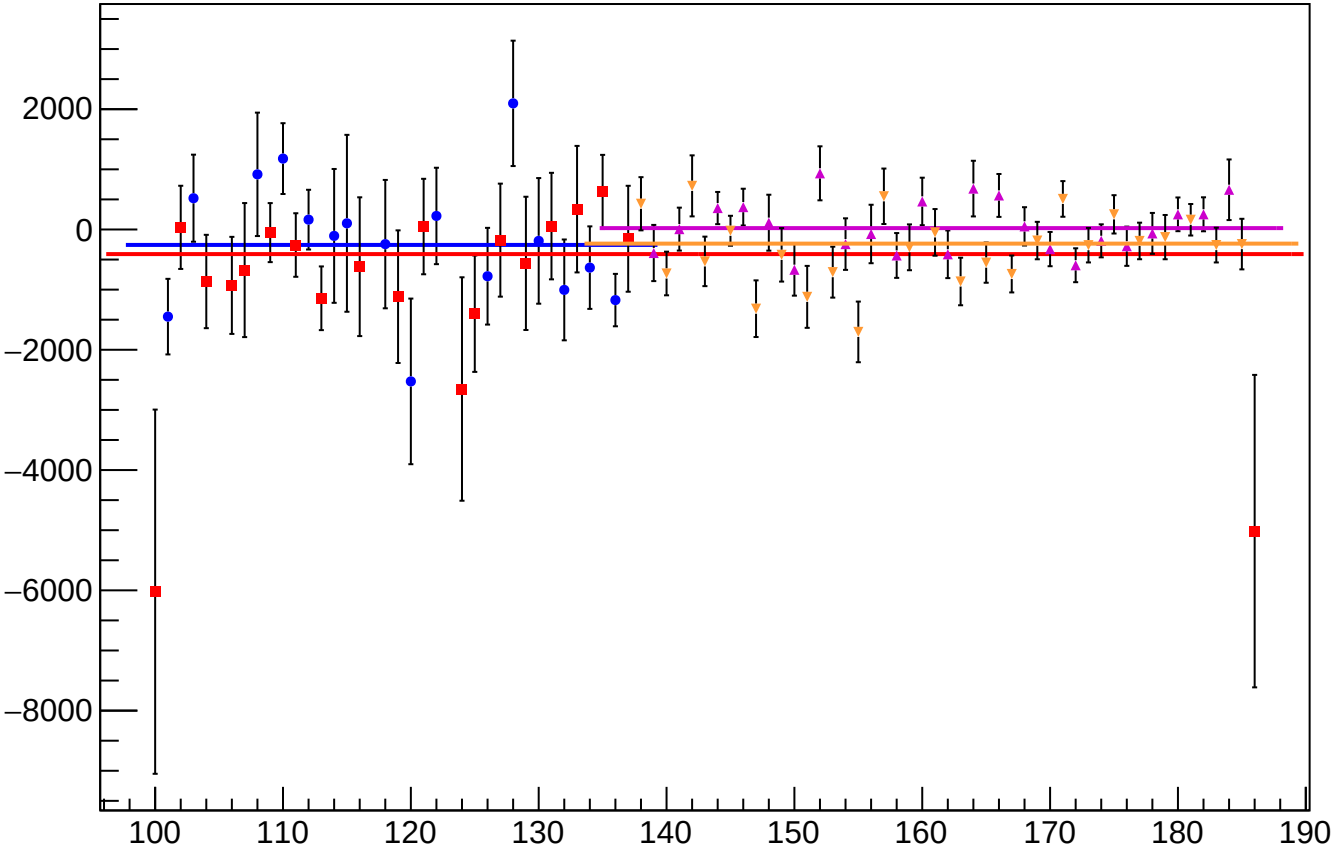
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 321.562+/-0.046 χ^2/NDF: 4067398.9/40

All: 322.840+/-0.033 χ^2/NDF: 8308834.8/83

- sign 324.165+/-0.047 χ^2/NDF: 4239864.2/42

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -409.150+/-181.915 χ^2/NDF: 17.4/19

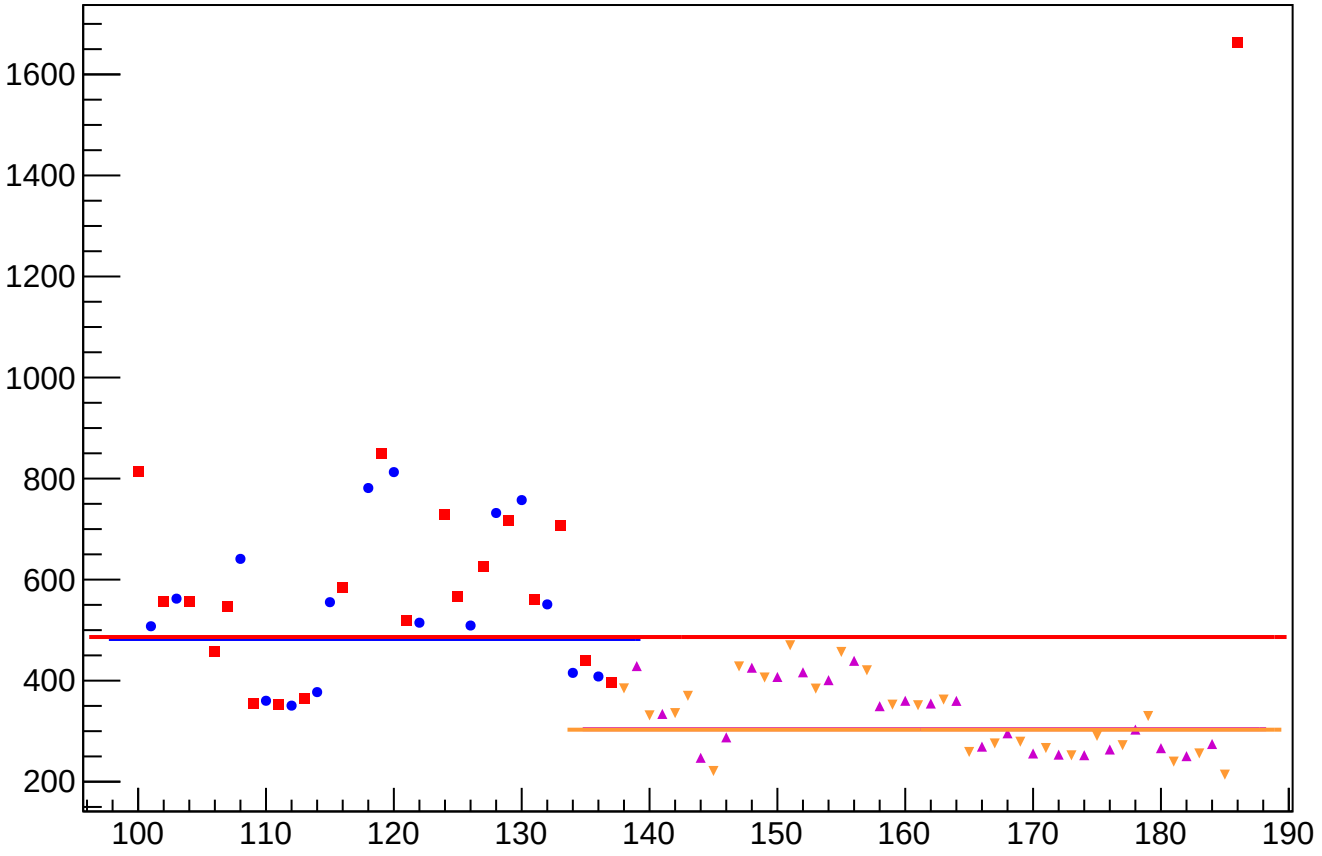
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -237.883+/-66.141 χ^2/NDF: 74.4/40

All: -139.292+/-47.229 χ^2/NDF: 131.0/83

- sign -36.723+/-67.462 χ^2/NDF: 52.1/42

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

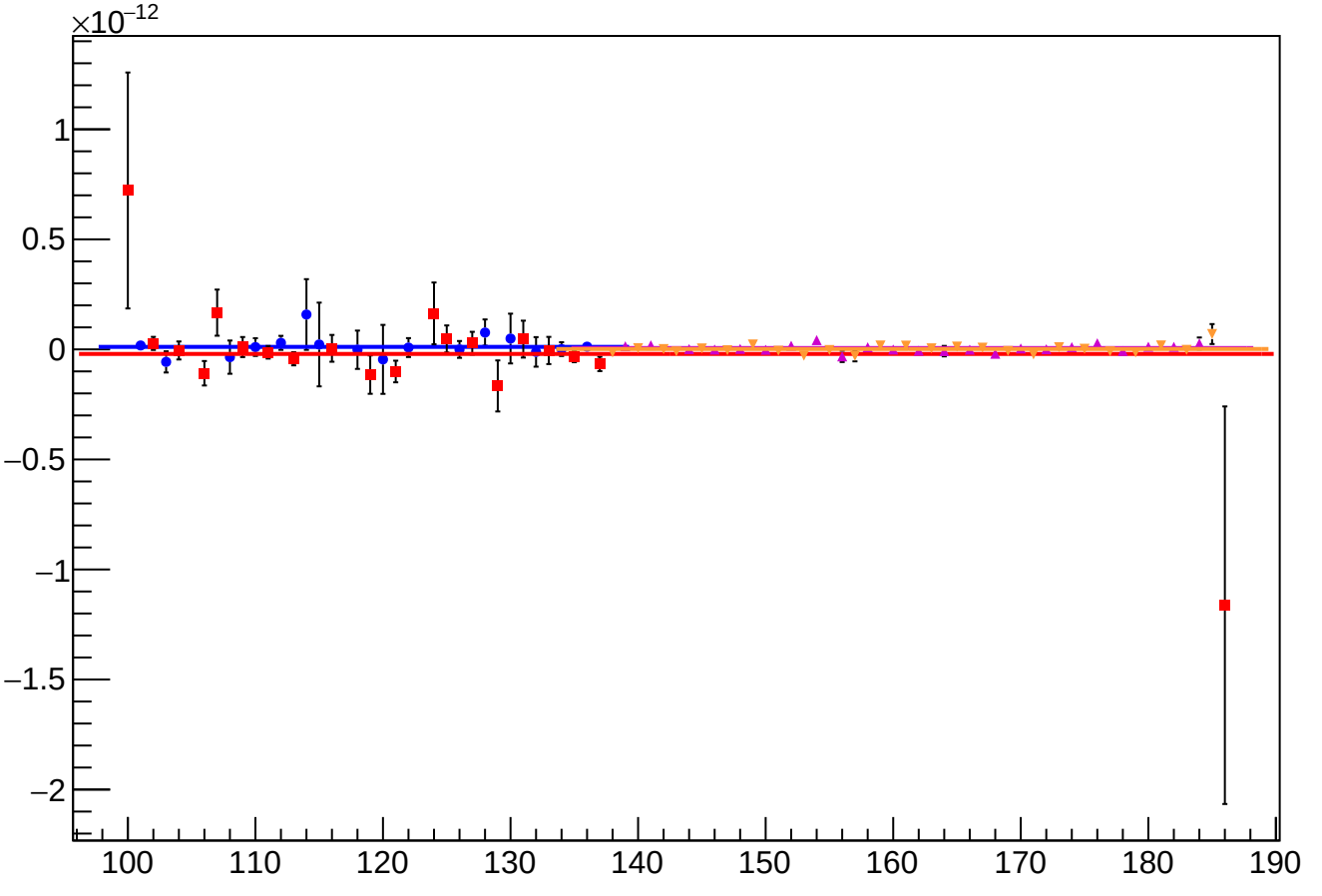
Right Out: 486.358+/-0.129 χ^2/NDF: 1406133.5/19

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 325.538+/-0.047 χ^2/NDF: 4334065.4/40

All: 327.241+/-0.033 χ^2/NDF: 8853999.1/83

- sign 329.013+/-0.048 χ^2/NDF: 4517228.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/19

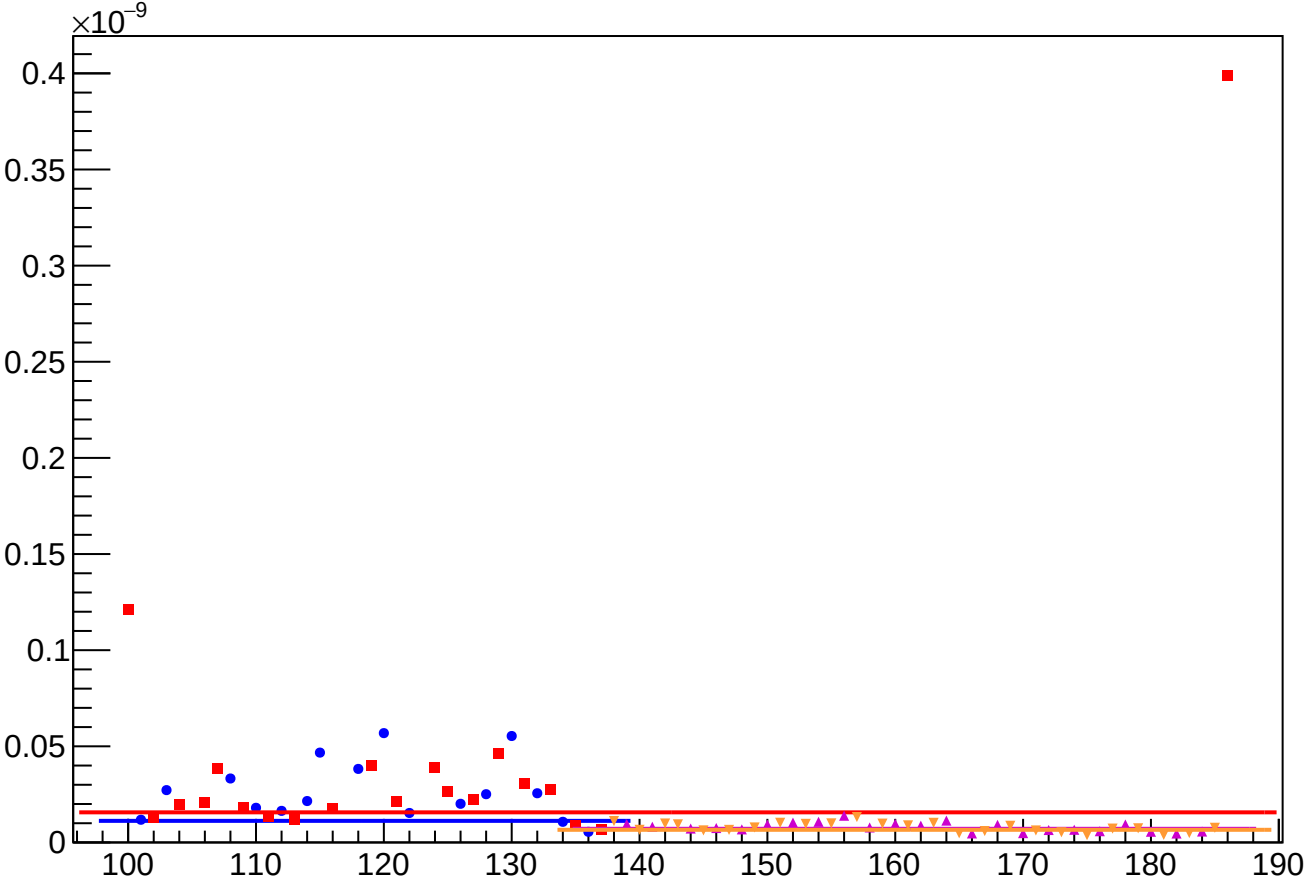
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/40

All: 0.000+/-0.000 χ^2/NDF: 79.6/83

- sign 0.000+/-0.000 χ^2/NDF: 49.8/42

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

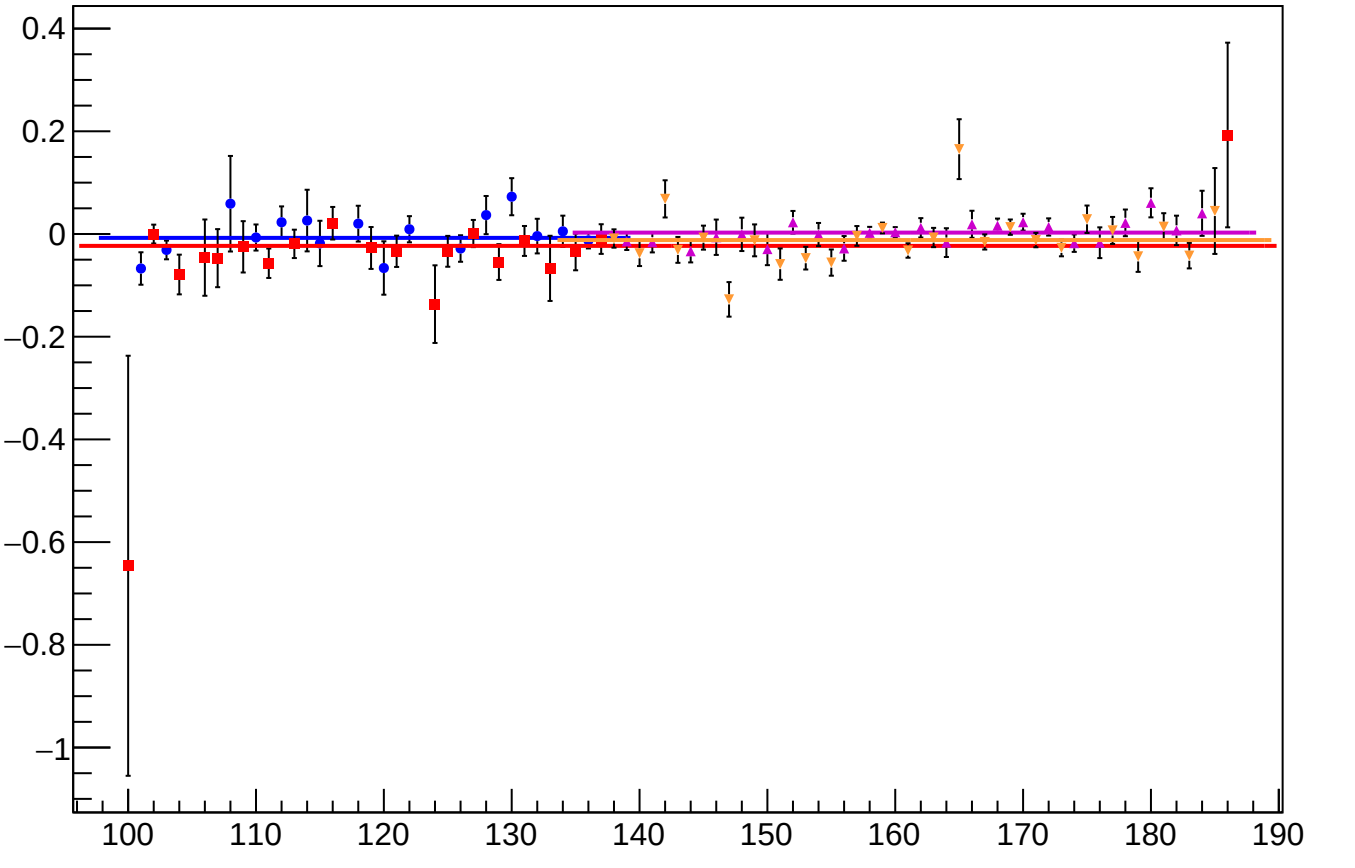
Right Out: 0.000+/-0.000 χ^2/NDF: 1544577.5/19

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 4193870.8/40

All: 0.000+/-0.000 χ^2/NDF: 8080573.4/83

- sign 0.000+/-0.000 χ^2/NDF: 3820182.9/42



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.023+/-0.008 χ^2/NDF: 16.1/19

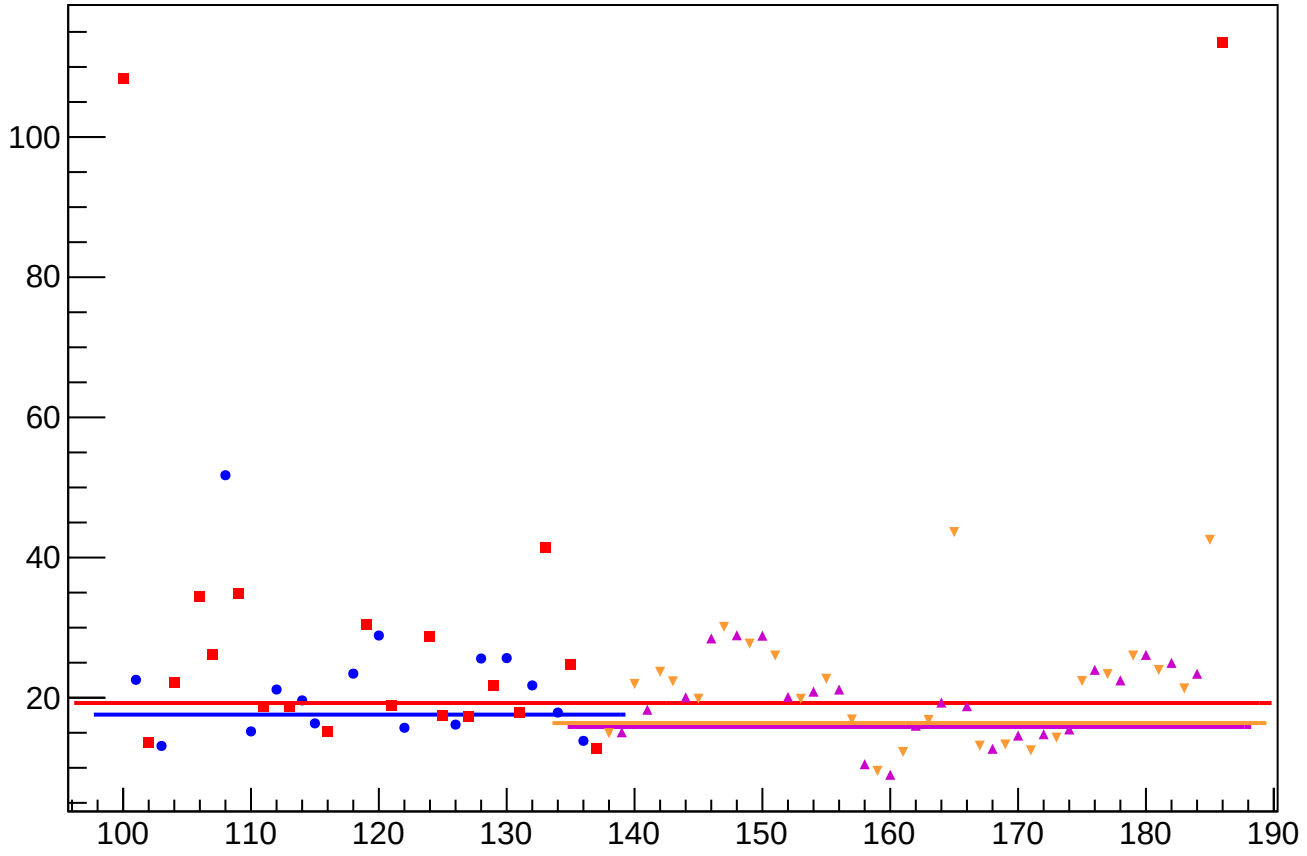
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 70.4/40

All: -0.007+/-0.003 χ^2/NDF: 117.5/83

- 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: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

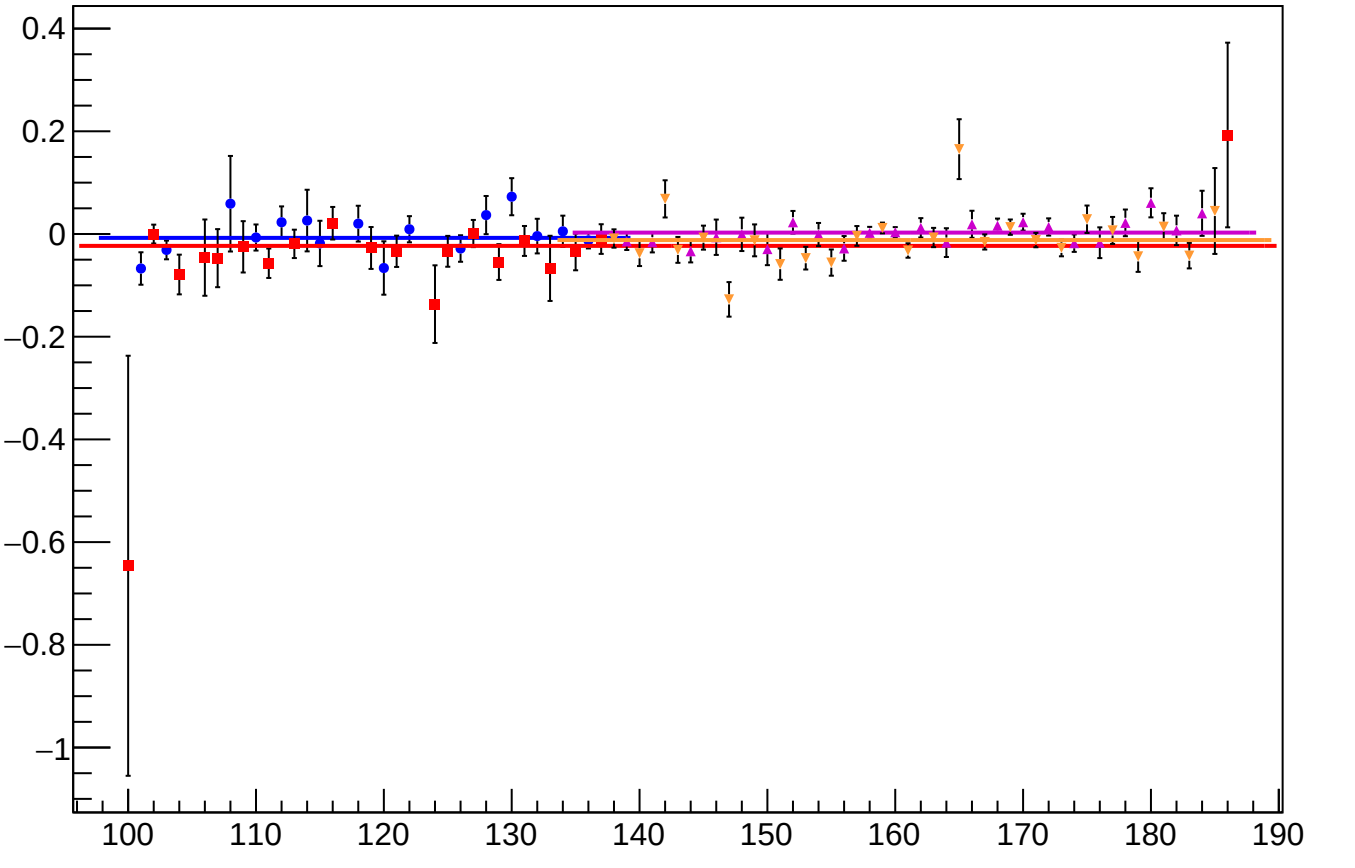
Right Out: 19.247+/-0.005 χ^2/NDF: 1798460.3/19

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 16.679+/-0.003 χ^2/NDF: 5065665.7/40

All: 16.619+/-0.002 χ^2/NDF: 10827446.6/83

- sign 16.557+/-0.003 χ^2/NDF: 5760618.7/42



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

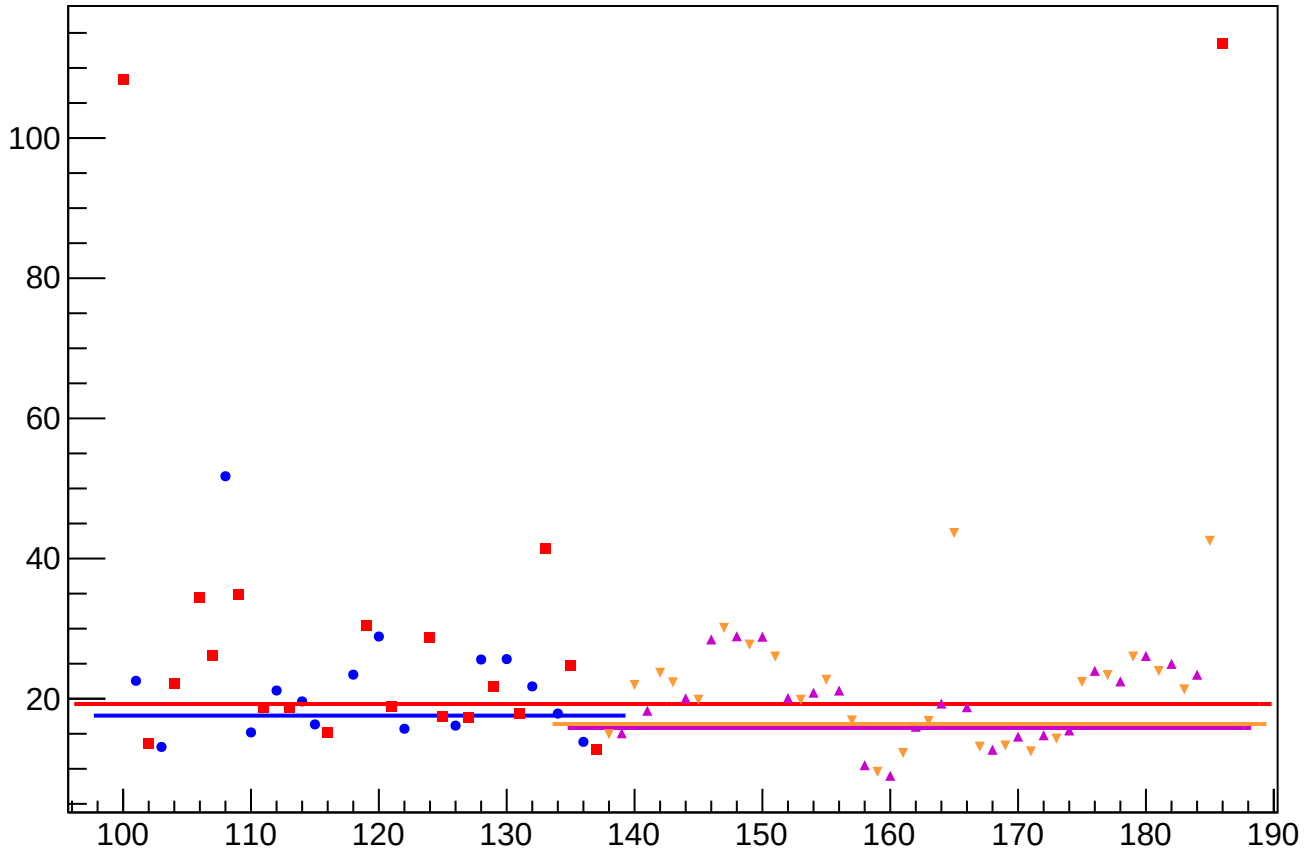
Right Out: -0.023+/-0.008 χ^2/NDF: 16.1/19

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 70.4/40

All: -0.007+/-0.003 χ^2/NDF: 117.5/83

- sign -0.003+/-0.004 χ^2/NDF: 44.6/42



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

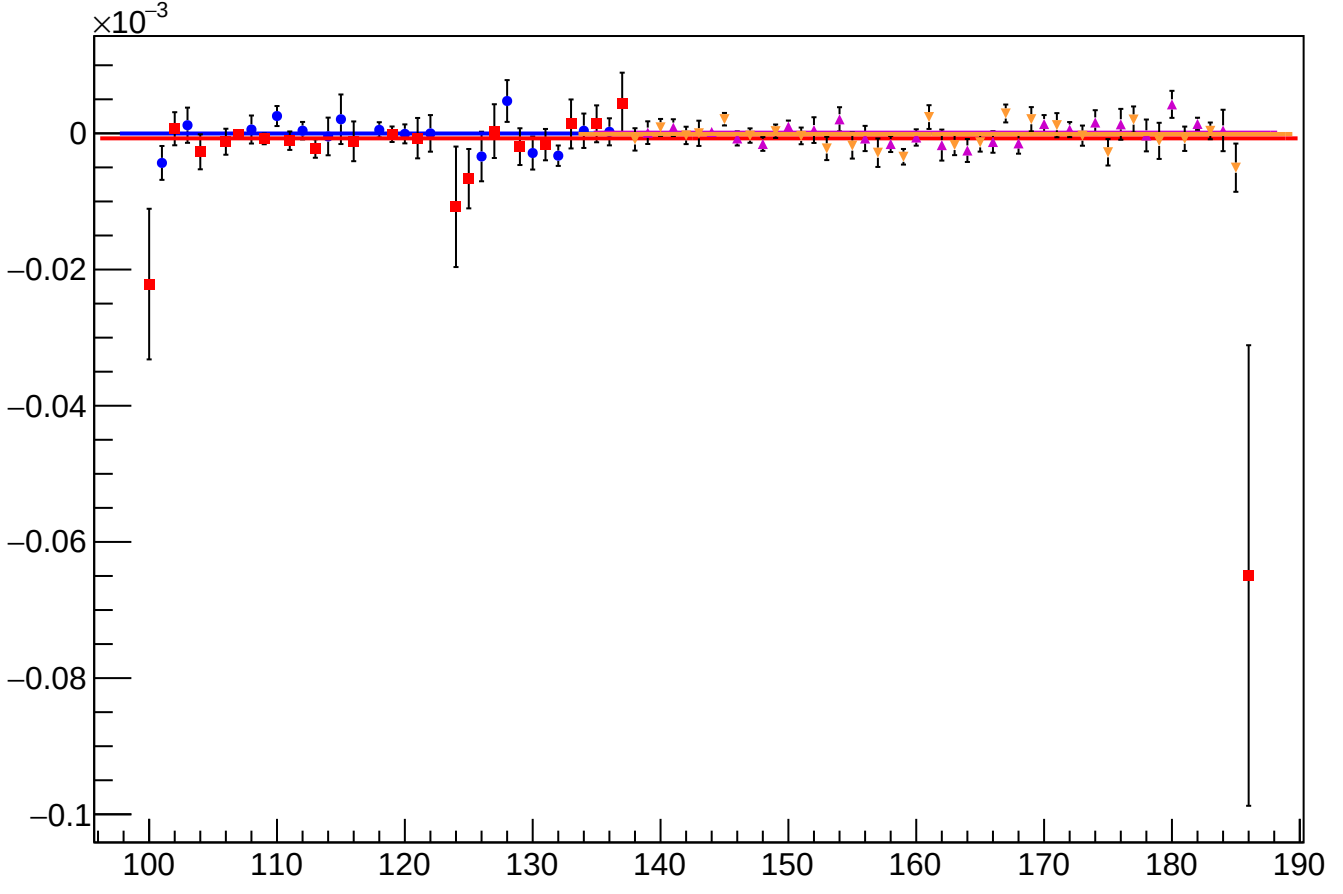
Right Out: 19.247+/-0.005 χ^2/NDF: 1798460.3/19

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 16.679+/-0.003 χ^2/NDF: 5065665.7/40

All: 16.619+/-0.002 χ^2/NDF: 10827446.6/83

- sign 16.557+/-0.003 χ^2/NDF: 5760618.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

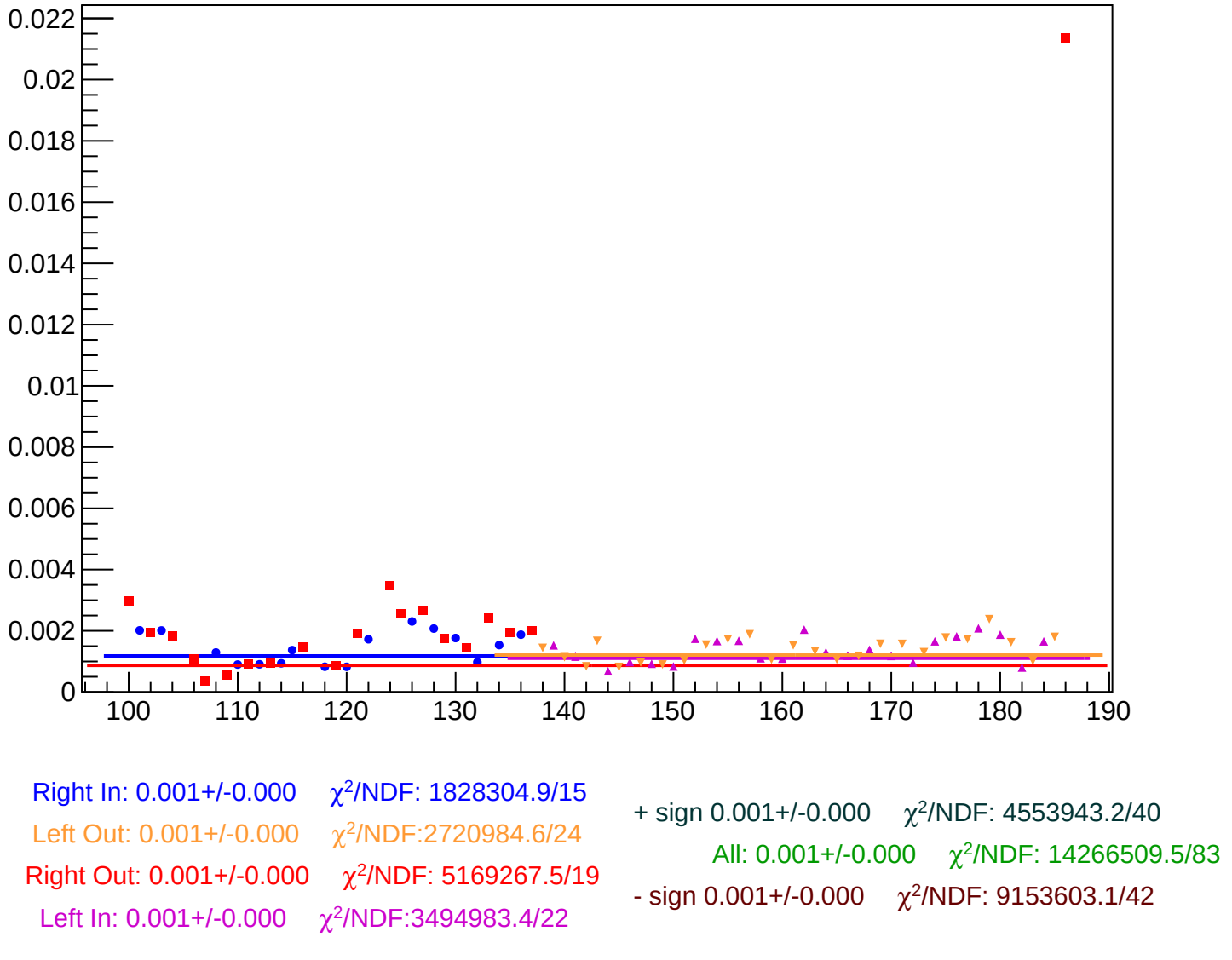
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/19

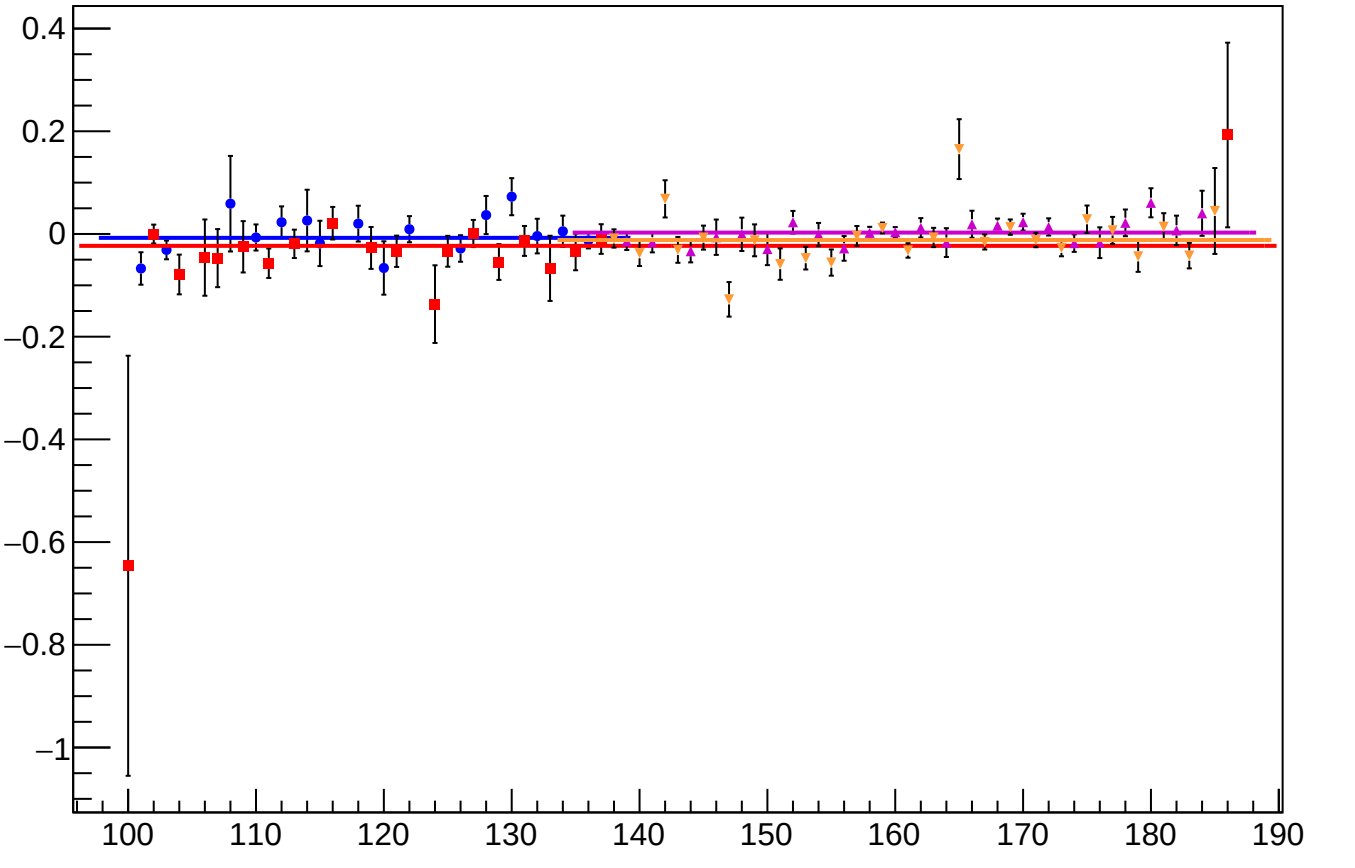
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.6/40

All: -0.000+/-0.000 χ^2/NDF: 94.4/83

- 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: 1828304.9/15
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: 4553943.2/40
All: 0.001+/-0.000 χ²/NDF: 14266509.5/83
- sign 0.001+/-0.000 χ²/NDF: 9153603.1/42



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.023+/-0.008 χ^2/NDF: 16.1/19

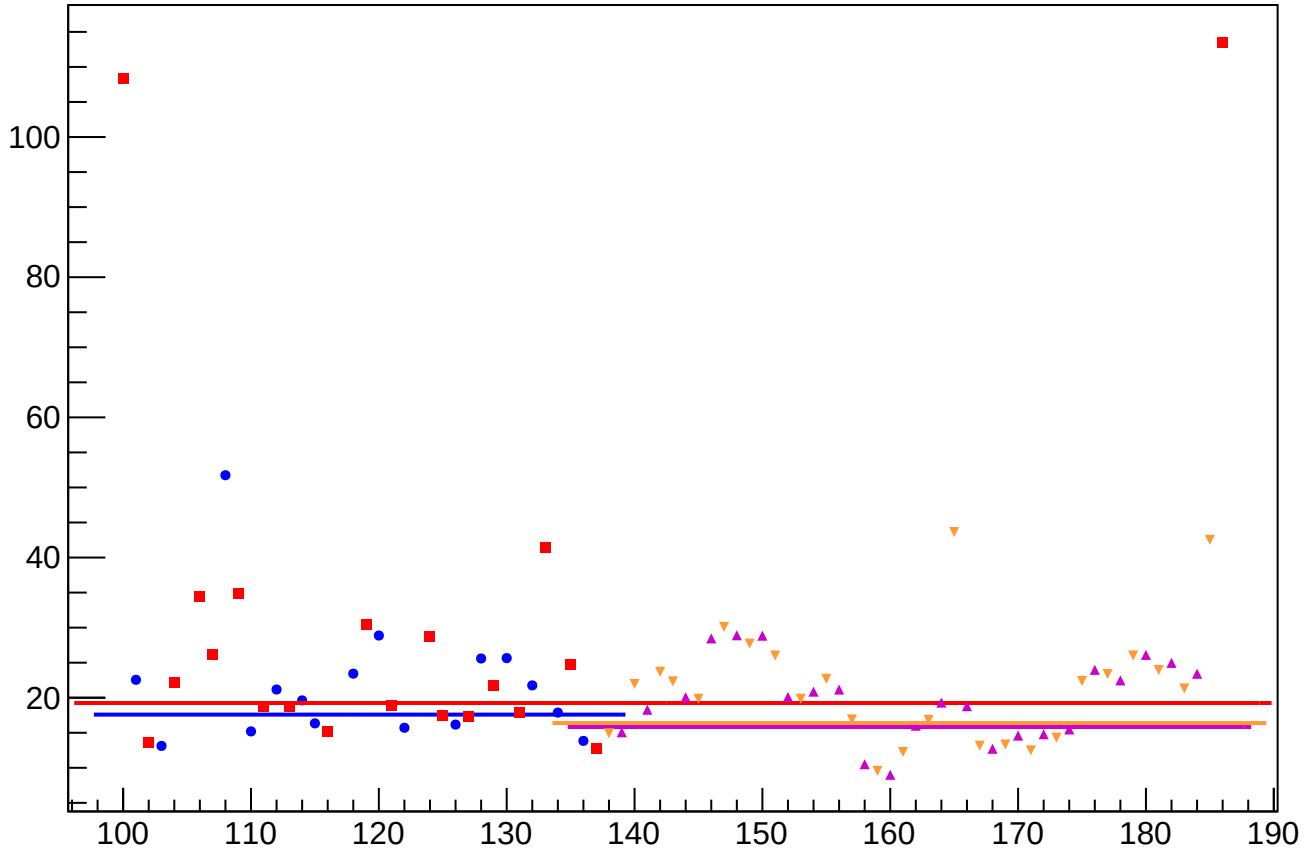
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 70.4/40

All: -0.007+/-0.003 χ^2/NDF: 117.5/83

- sign -0.003+/-0.004 χ^2/NDF: 44.6/42

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

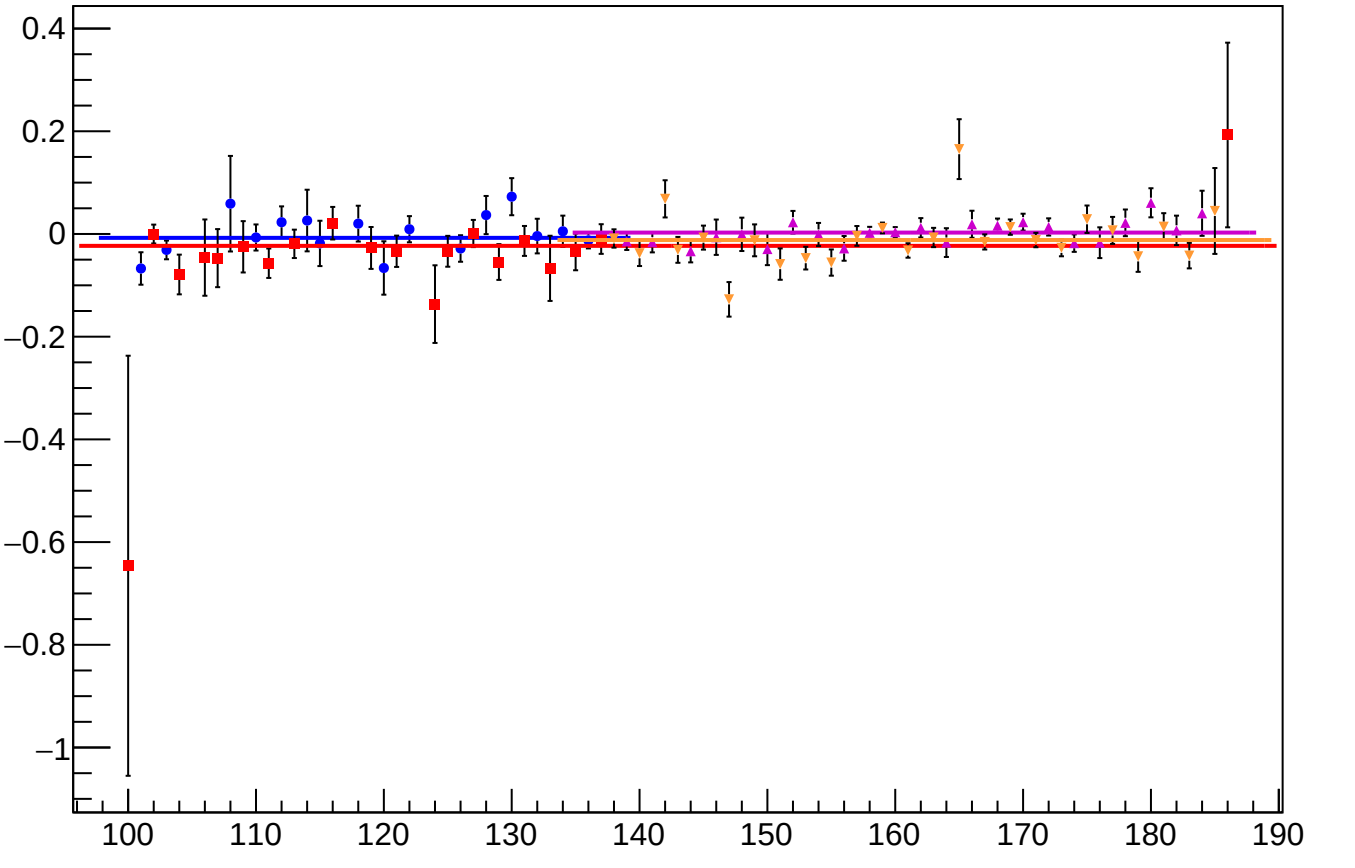
Right Out: 19.247+/-0.005 χ^2/NDF: 1798368.1/19

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 16.678+/-0.003 χ^2/NDF: 5065972.3/40

All: 16.618+/-0.002 χ^2/NDF: 10828132.5/83

- sign 16.557+/-0.003 χ^2/NDF: 5760997.9/42



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

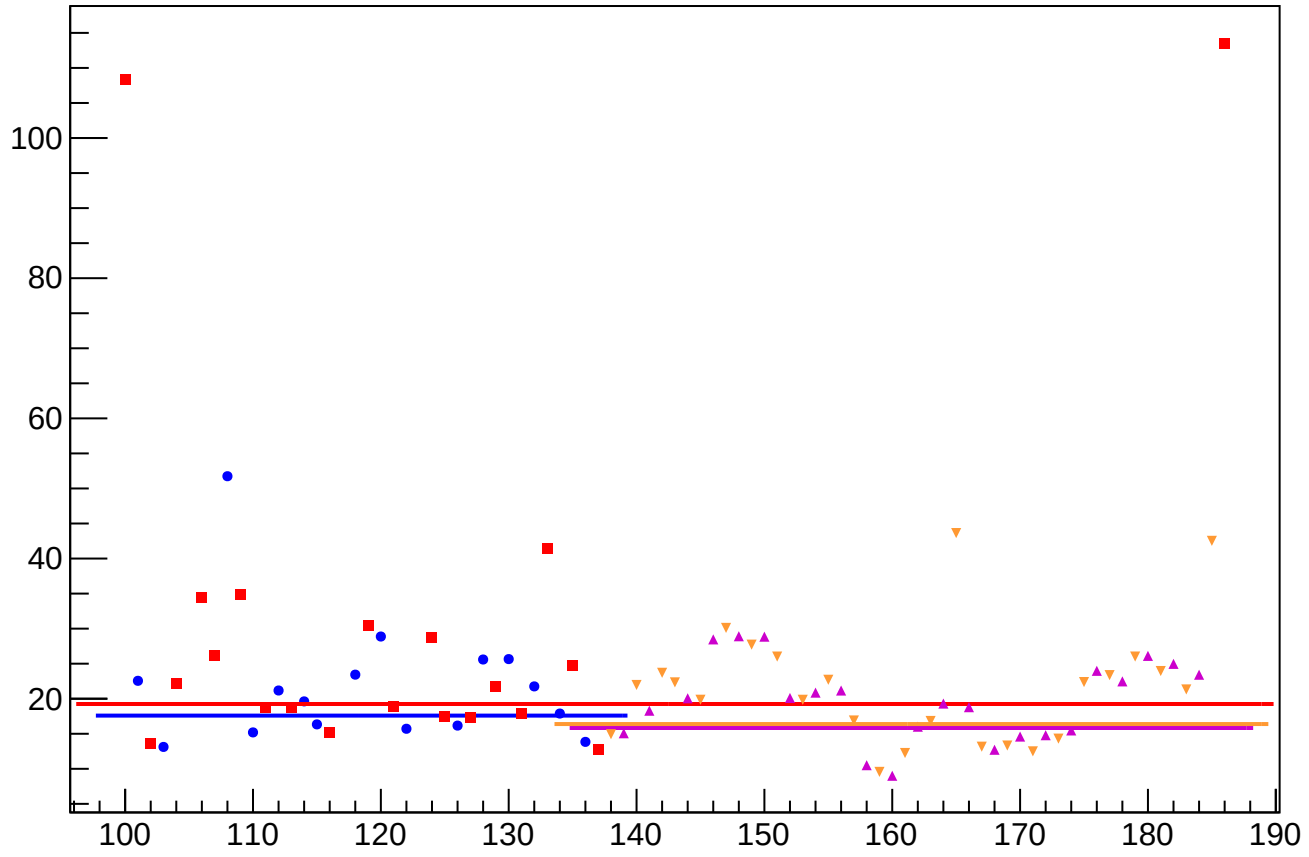
Right Out: -0.023+/-0.008 χ^2/NDF: 16.1/19

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 70.4/40

All: -0.007+/-0.003 χ^2/NDF: 117.5/83

- sign -0.003+/-0.004 χ^2/NDF: 44.6/42



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

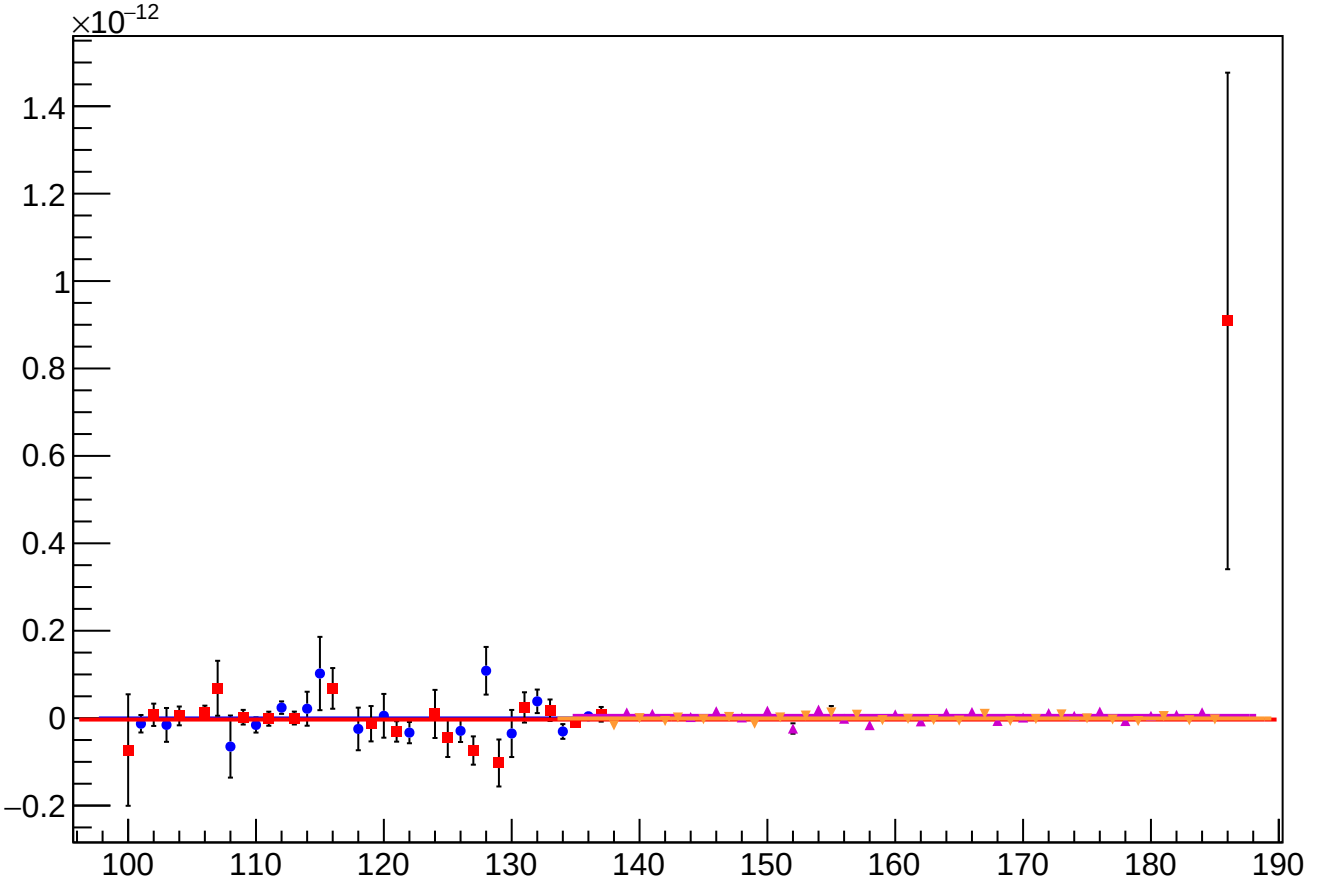
Right Out: 19.247+/-0.005 χ^2/NDF: 1798368.1/19

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 16.678+/-0.003 χ^2/NDF: 5065972.3/40

All: 16.618+/-0.002 χ^2/NDF: 10828132.5/83

- sign 16.557+/-0.003 χ^2/NDF: 5760997.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

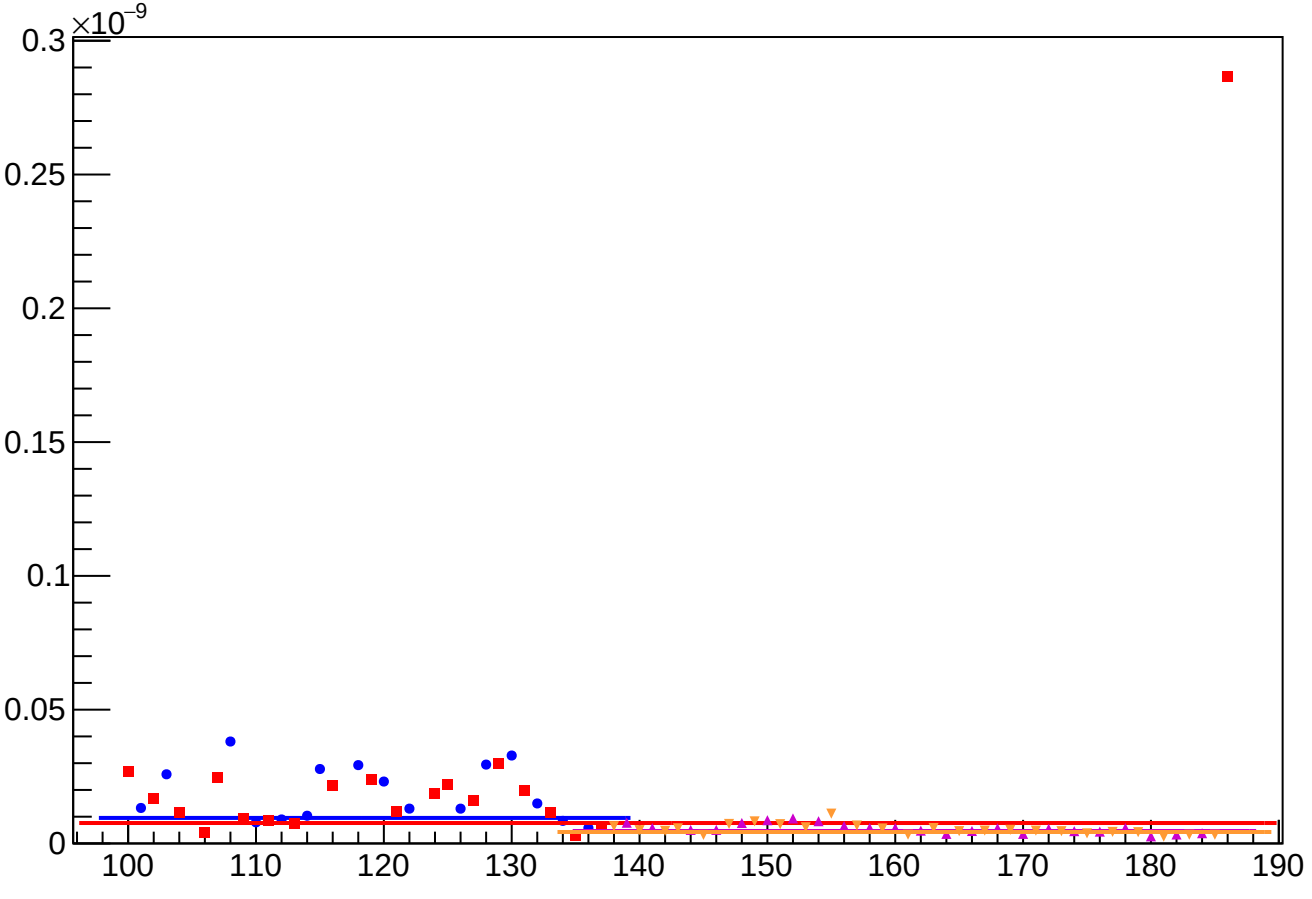
Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/19

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

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/40

All: 0.000+/-0.000 χ^2/NDF: 110.7/83

- sign 0.000+/-0.000 χ^2/NDF: 62.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3568999.5/19

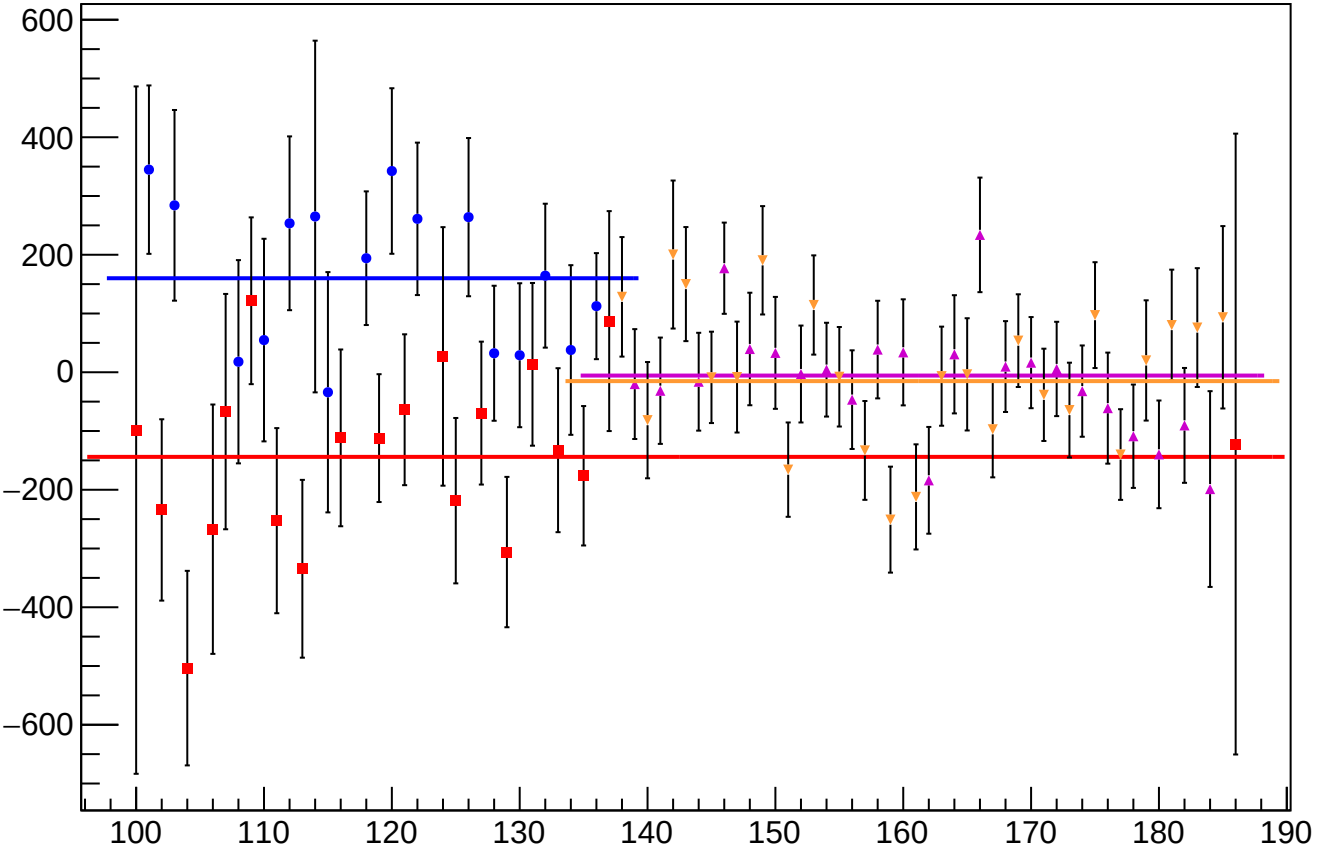
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7244863.5/40

All: 0.000+/-0.000 χ^2/NDF: 14194216.8/83

- sign 0.000+/-0.000 χ^2/NDF: 6885637.8/42

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -144.025+/-34.142 χ^2/NDF: 17.4/19

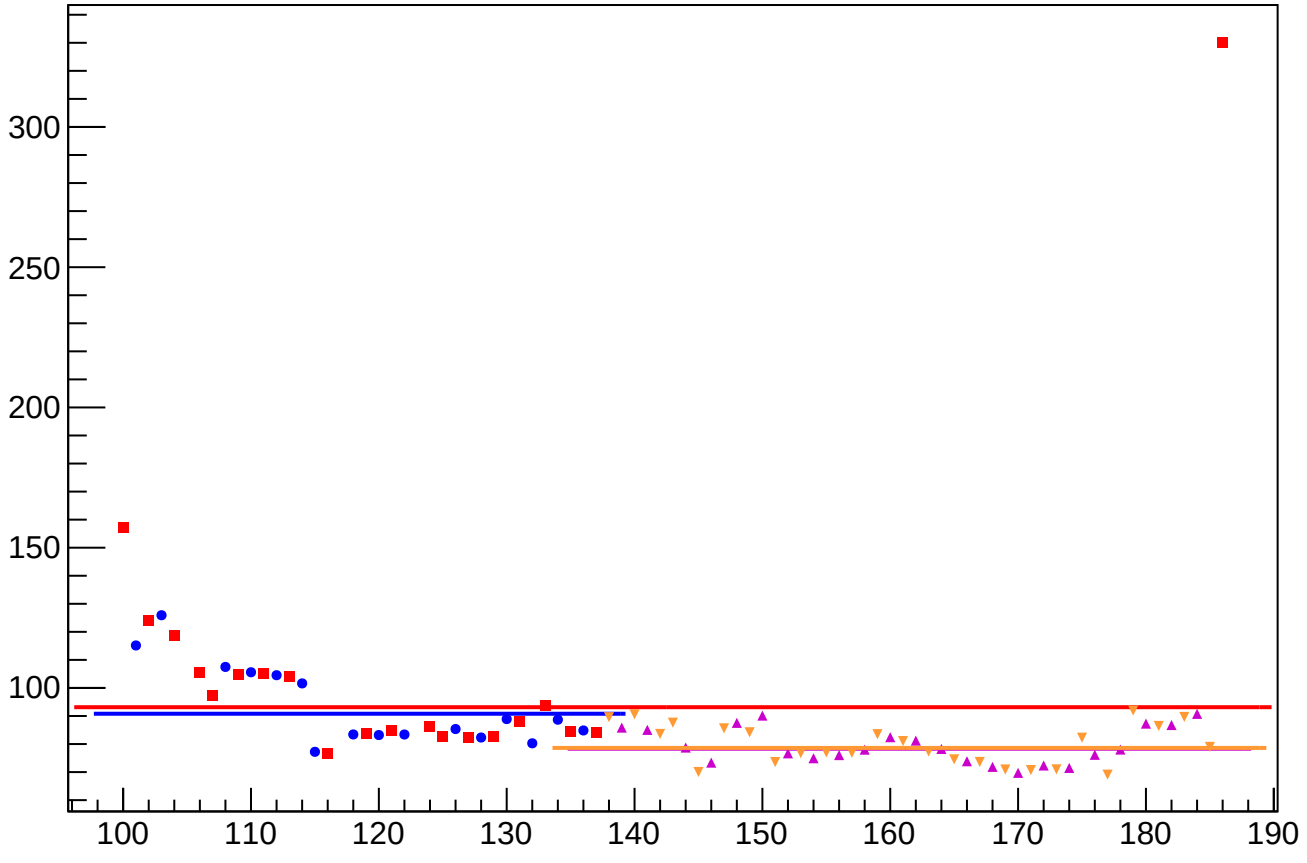
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 22.798+/-15.896 χ^2/NDF: 73.3/40

All: -6.429+/-11.341 χ^2/NDF: 133.3/83

- sign -36.730+/-16.185 χ^2/NDF: 53.1/42

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

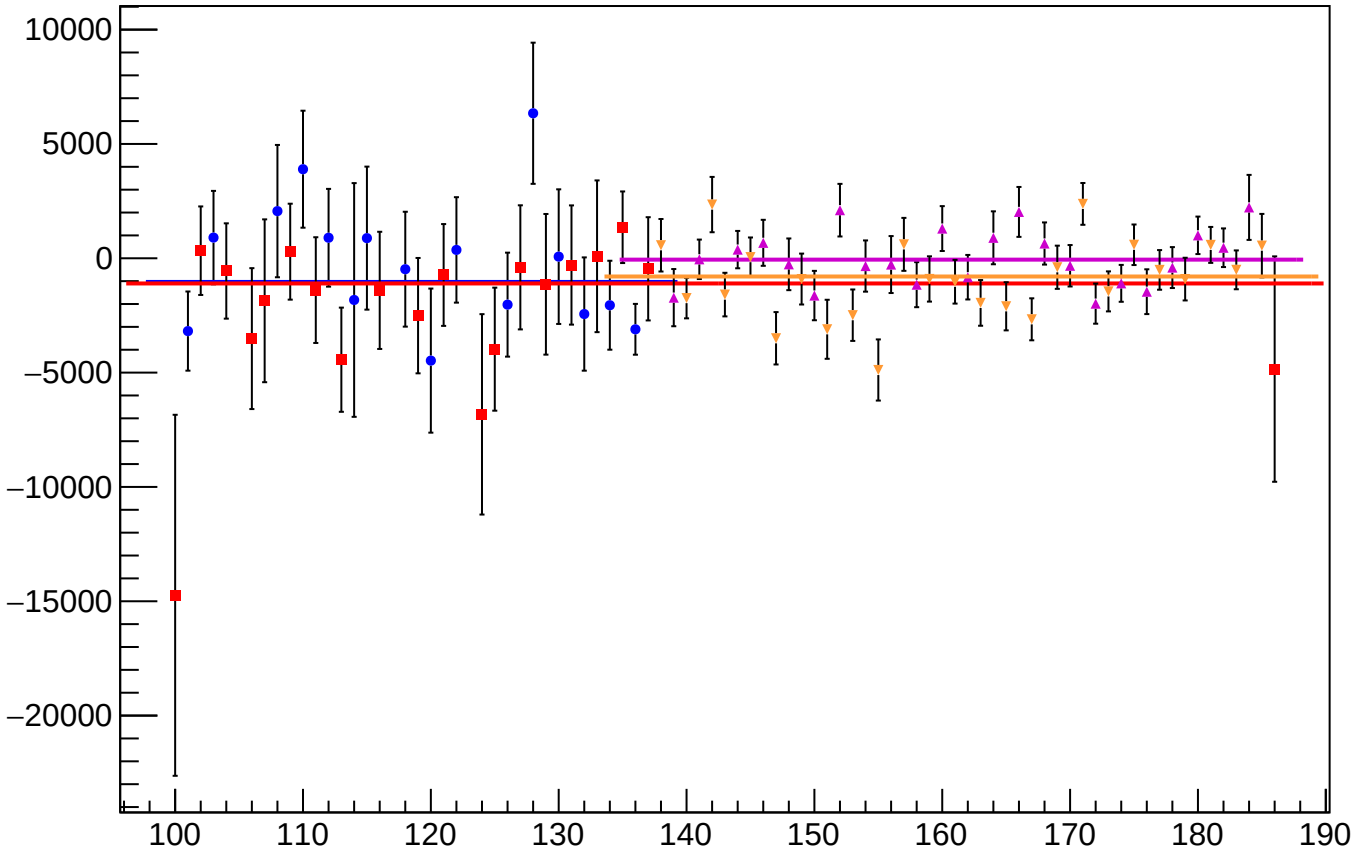
Right Out: 93.134+/-0.024 χ^2/NDF: 705747.6/19

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.255+/-0.011 χ^2/NDF: 779236.2/40

All: 81.454+/-0.008 χ^2/NDF: 1986135.7/83

- sign 81.660+/-0.011 χ^2/NDF: 1206260.5/42



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1101.404+/-565.182 χ^2/NDF: 13.5/19

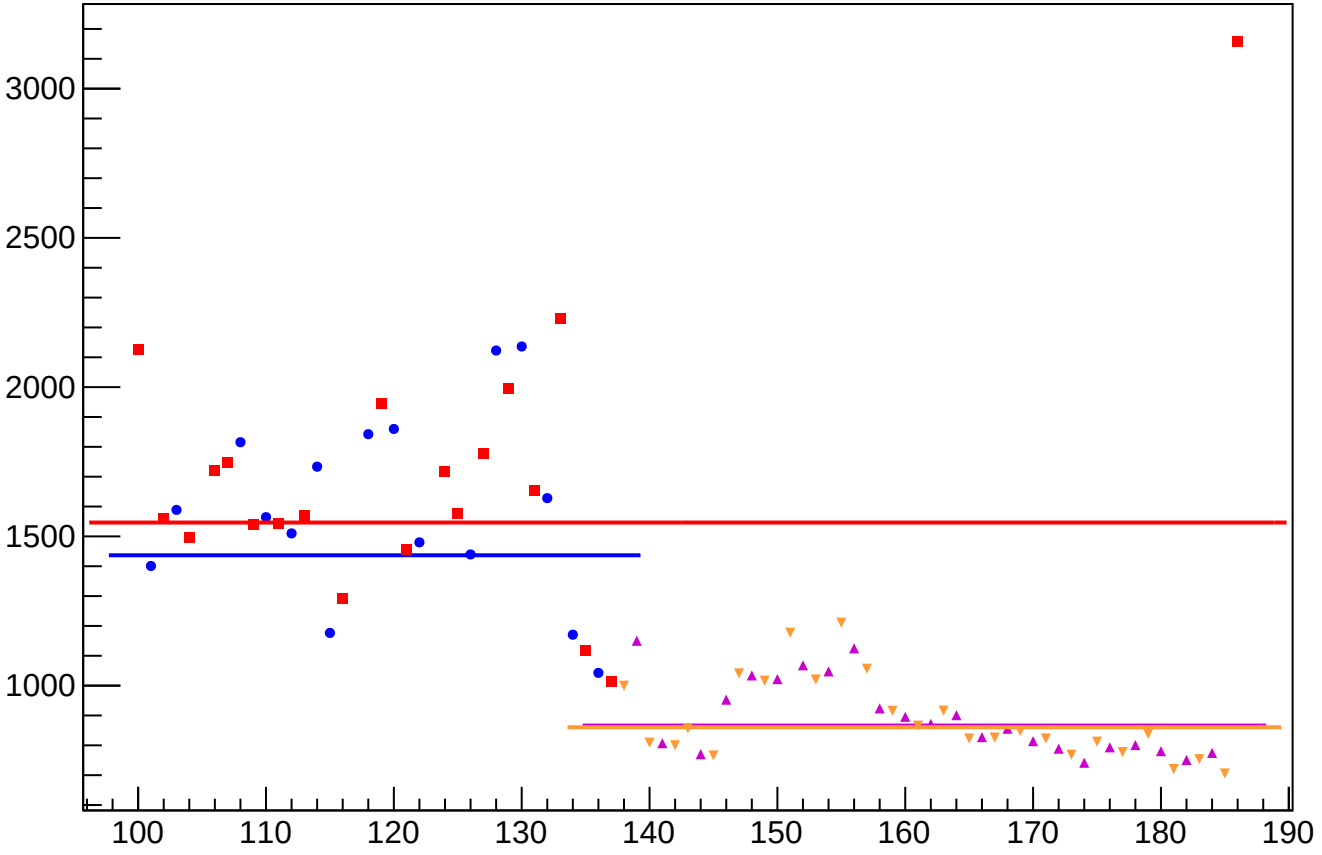
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.263+/-186.207 χ^2/NDF: 79.9/40

All: -512.432+/-133.752 χ^2/NDF: 132.6/83

- sign -180.045+/-192.246 χ^2/NDF: 46.9/42

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1546.418+/-0.400 χ^2/NDF: 721023.3/19

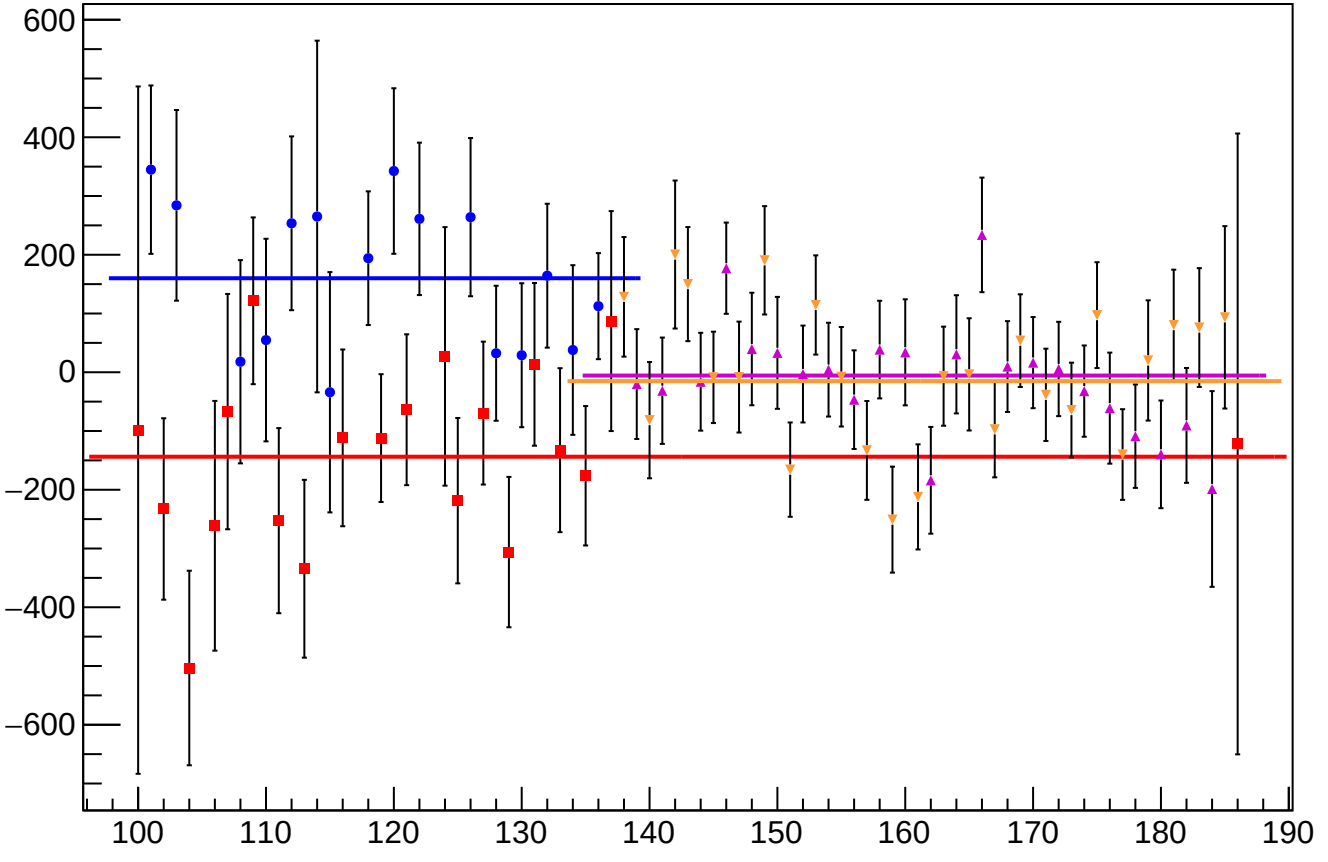
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 926.492+/-0.132 χ^2/NDF: 3317414.8/40

All: 935.468+/-0.095 χ^2/NDF: 7221970.8/83

- sign 945.036+/-0.136 χ^2/NDF: 3894954.6/42

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -143.771+/-34.144 χ^2/NDF: 17.3/19

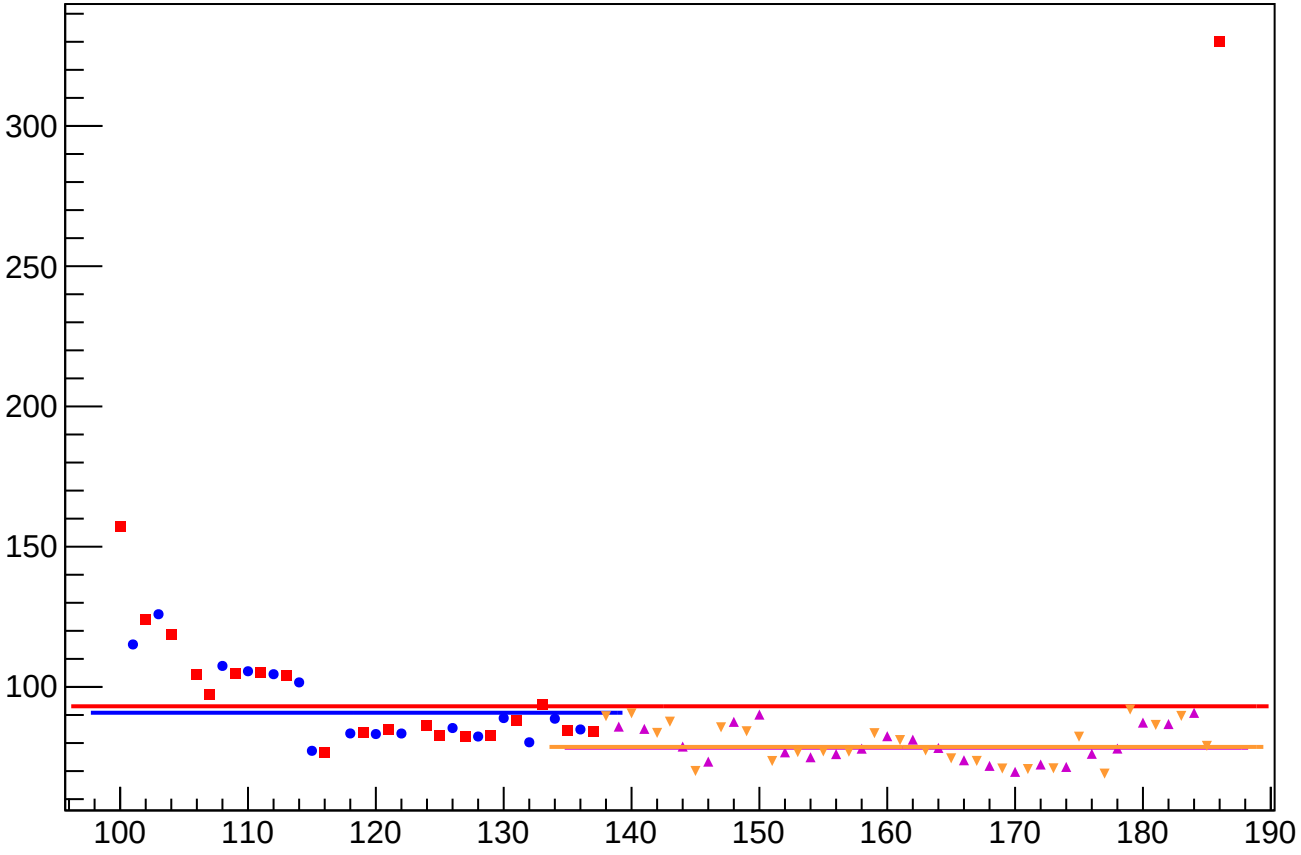
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.799+/-15.896 χ^2/NDF: 73.3/40

All: -6.398+/-11.341 χ^2/NDF: 133.2/83

- sign -36.667+/-16.185 χ^2/NDF: 53.0/42

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

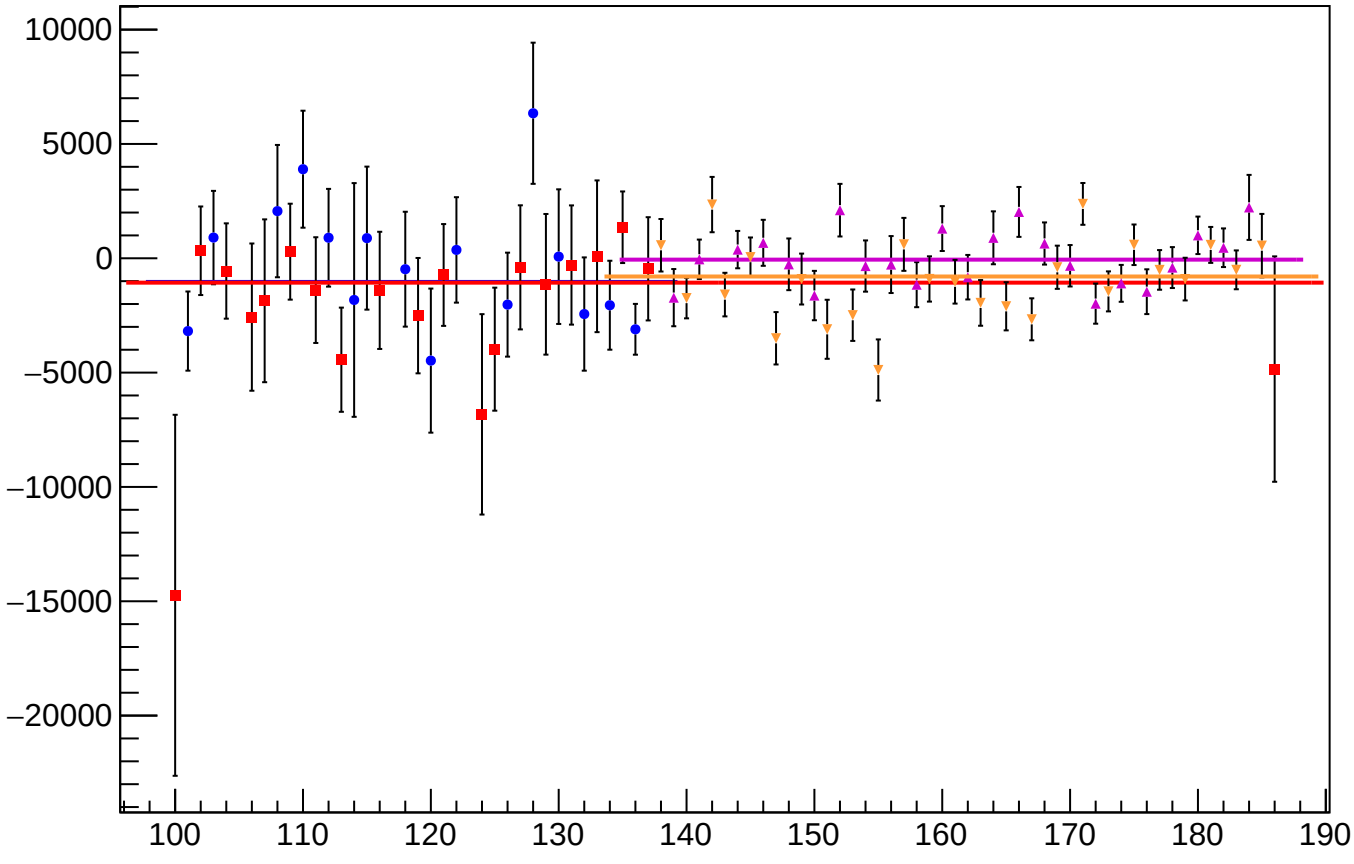
Right Out: 93.102+/-0.024 χ^2/NDF: 704595.2/19

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

\+ sign 81.255+/-0.011 χ^2/NDF: 779238.2/40

All: 81.450+/-0.008 χ^2/NDF: 1983642.5/83

\- sign 81.653+/-0.011 χ^2/NDF: 1203789.4/42



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1065.895+/-566.003 χ^2/NDF: 13.1/19

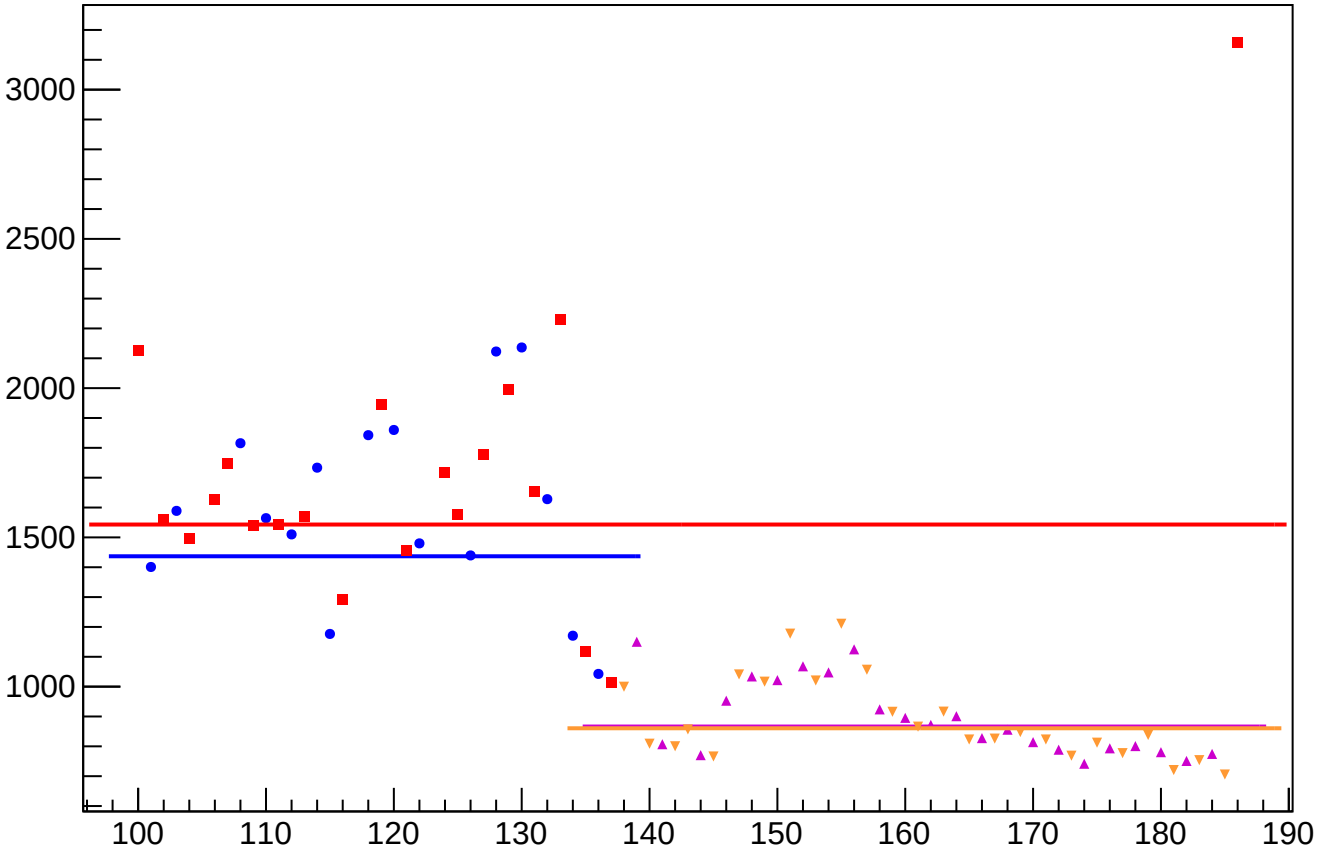
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.260+/-186.207 χ^2/NDF: 79.9/40

All: -510.352+/-133.763 χ^2/NDF: 132.1/83

- sign -175.638+/-192.279 χ^2/NDF: 46.3/42

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1543.066+/-0.400 χ^2/NDF: 715732.1/19

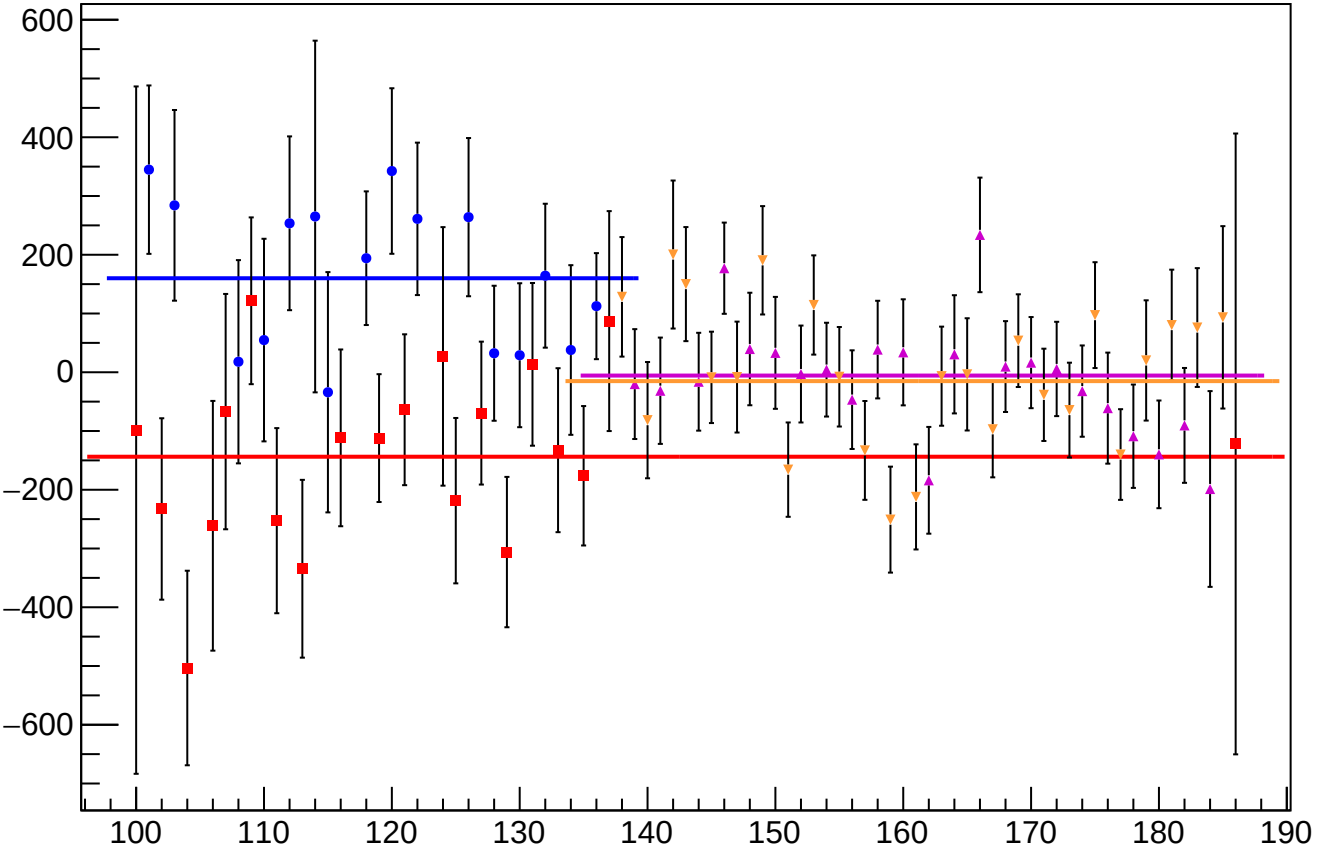
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 926.492+/-0.132 χ^2/NDF: 3317435.7/40

All: 935.182+/-0.095 χ^2/NDF: 7184415.9/83

- sign 944.448+/-0.136 χ^2/NDF: 3857980.0/42

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -143.771+/-34.144 χ^2/NDF: 17.3/19

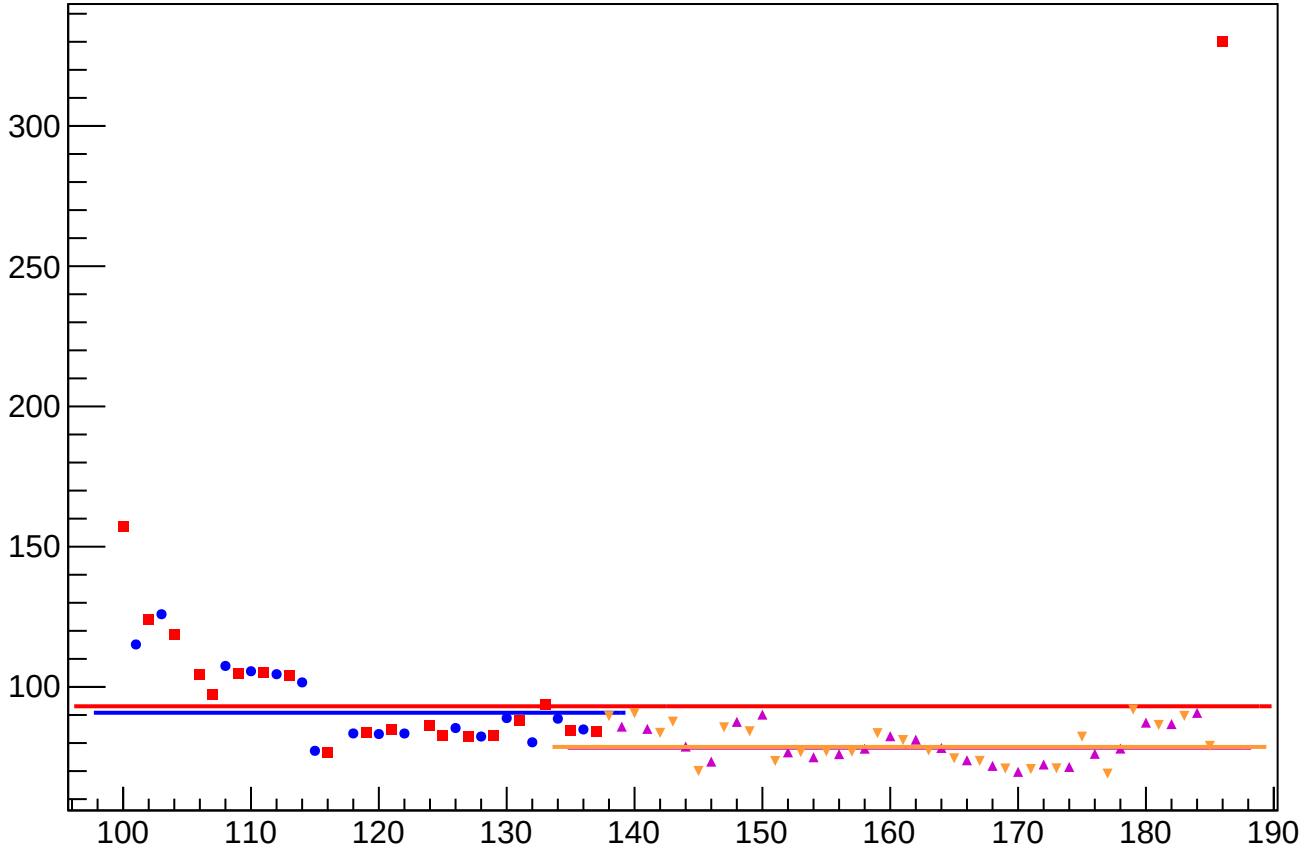
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.799+/-15.896 χ^2/NDF: 73.3/40

All: -6.398+/-11.341 χ^2/NDF: 133.2/83

- sign -36.667+/-16.185 χ^2/NDF: 53.0/42

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

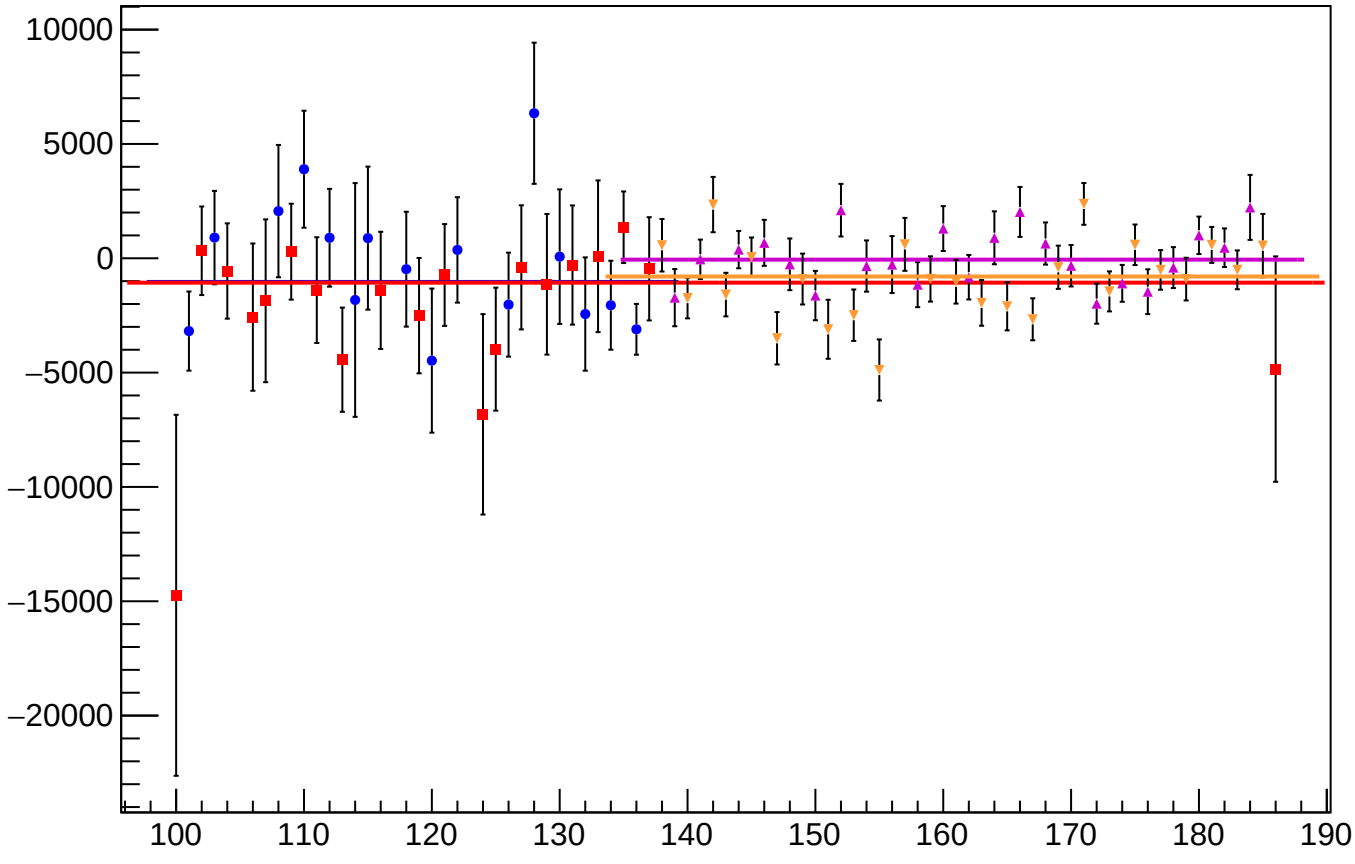
Right Out: 93.102+/-0.024 χ^2/NDF: 704595.2/19

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.255+/-0.011 χ^2/NDF: 779238.2/40

All: 81.450+/-0.008 χ^2/NDF: 1983642.5/83

- sign 81.653+/-0.011 χ^2/NDF: 1203789.4/42



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

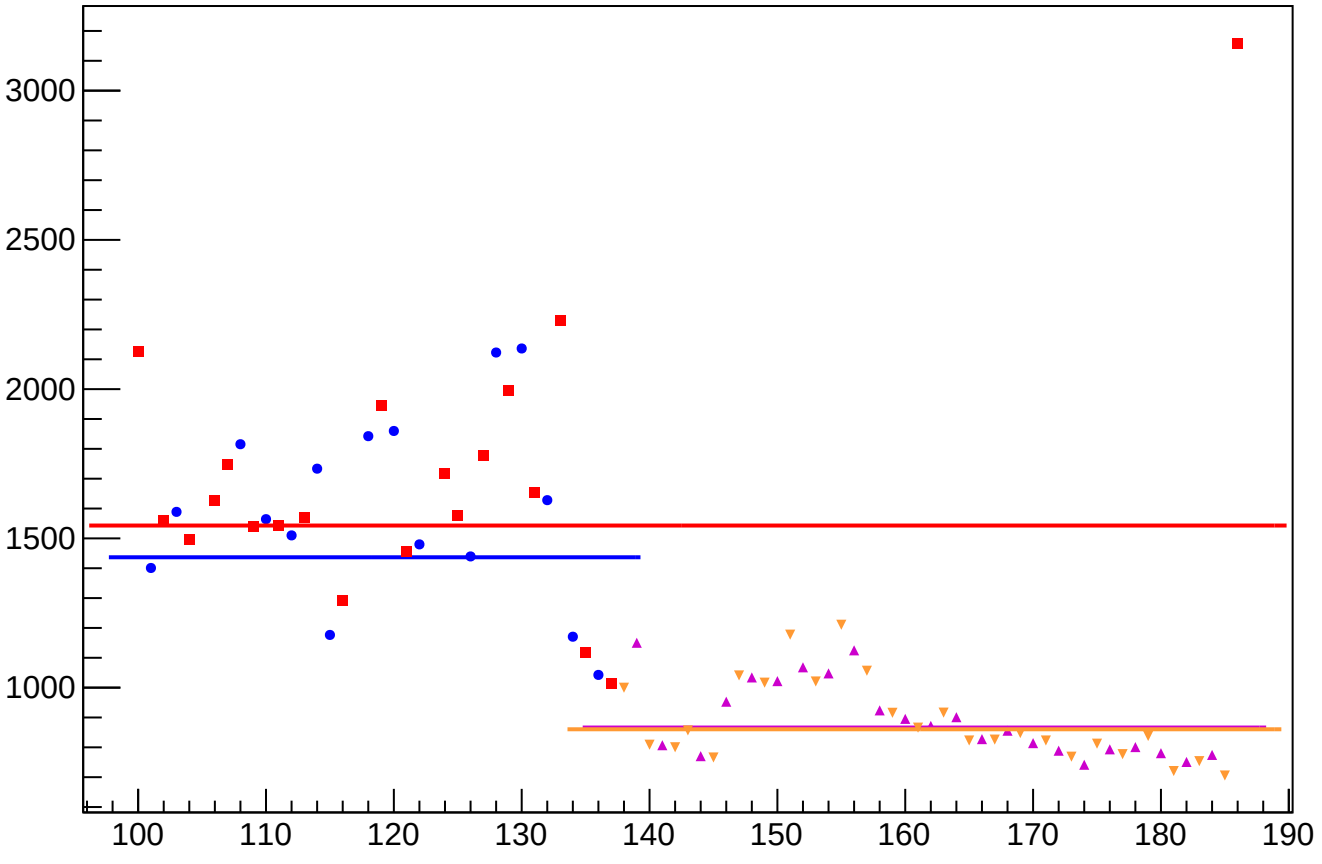
Right Out: -1065.895+/-566.003 χ^2/NDF: 13.1/19

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.260+/-186.207 χ^2/NDF: 79.9/40

All: -510.352+/-133.763 χ^2/NDF: 132.1/83

- sign -175.638+/-192.279 χ^2/NDF: 46.3/42



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

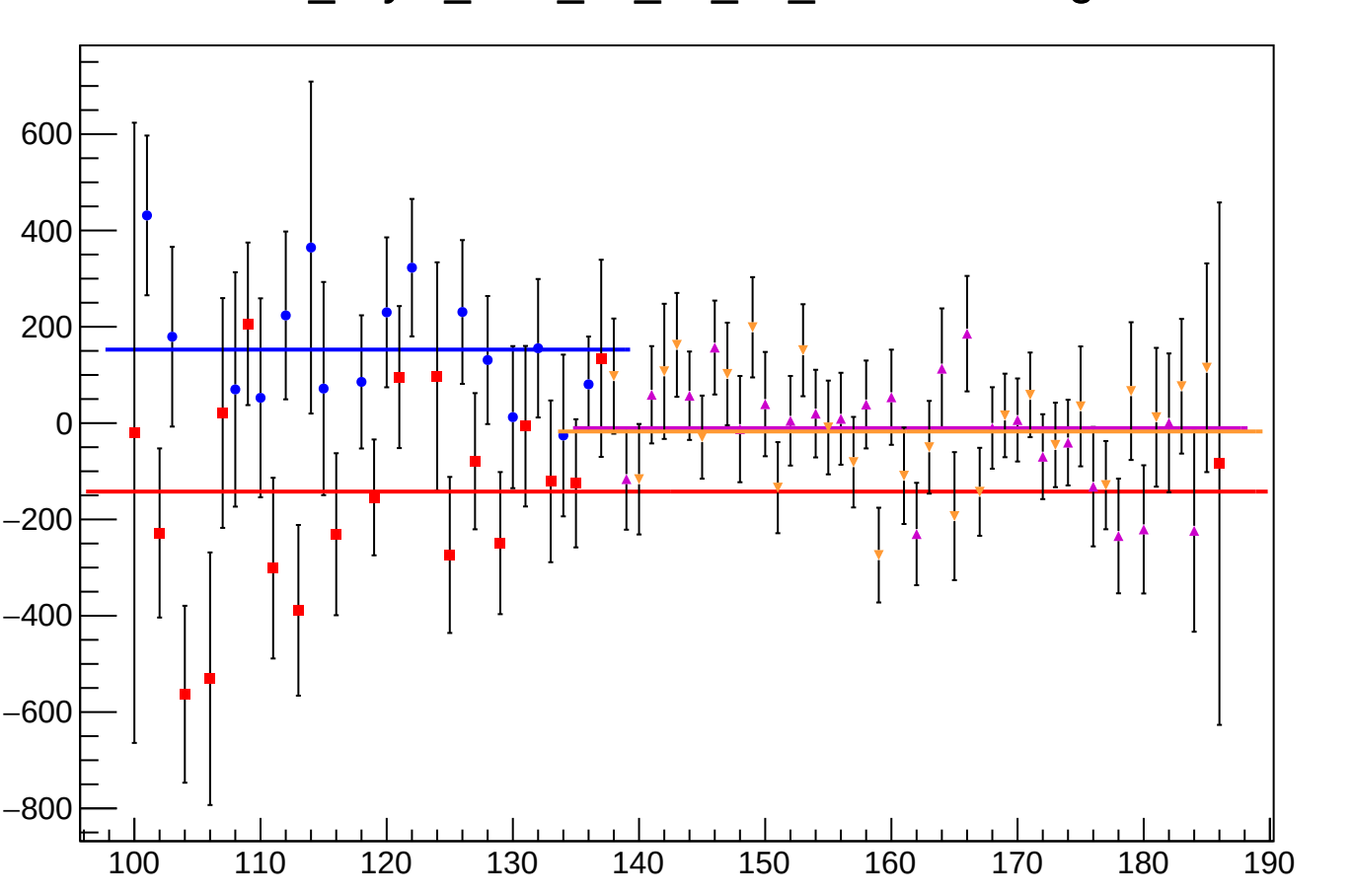
Right Out: 1543.066+/-0.400 χ^2/NDF: 715732.1/19

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 926.492+/-0.132 χ^2/NDF: 3317435.7/40

All: 935.182+/-0.095 χ^2/NDF: 7184415.9/83

- sign 944.448+/-0.136 χ^2/NDF: 3857980.0/42



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -142.191+/-39.237 χ^2/NDF: 22.9/19

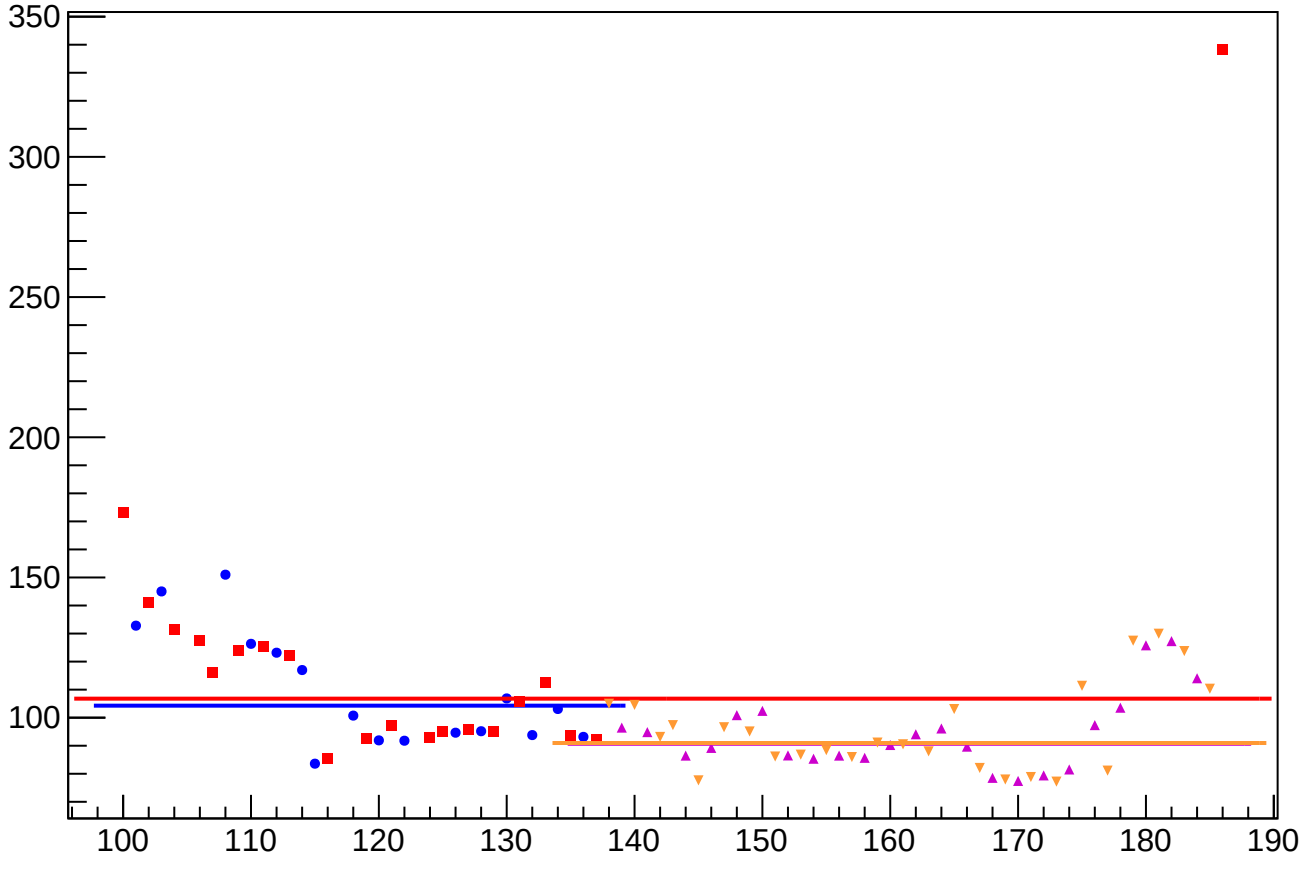
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 20.144+/-18.528 χ^2/NDF: 54.3/40

All: -9.815+/-13.216 χ^2/NDF: 113.9/83

- sign -40.849+/-18.857 χ^2/NDF: 54.2/42

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

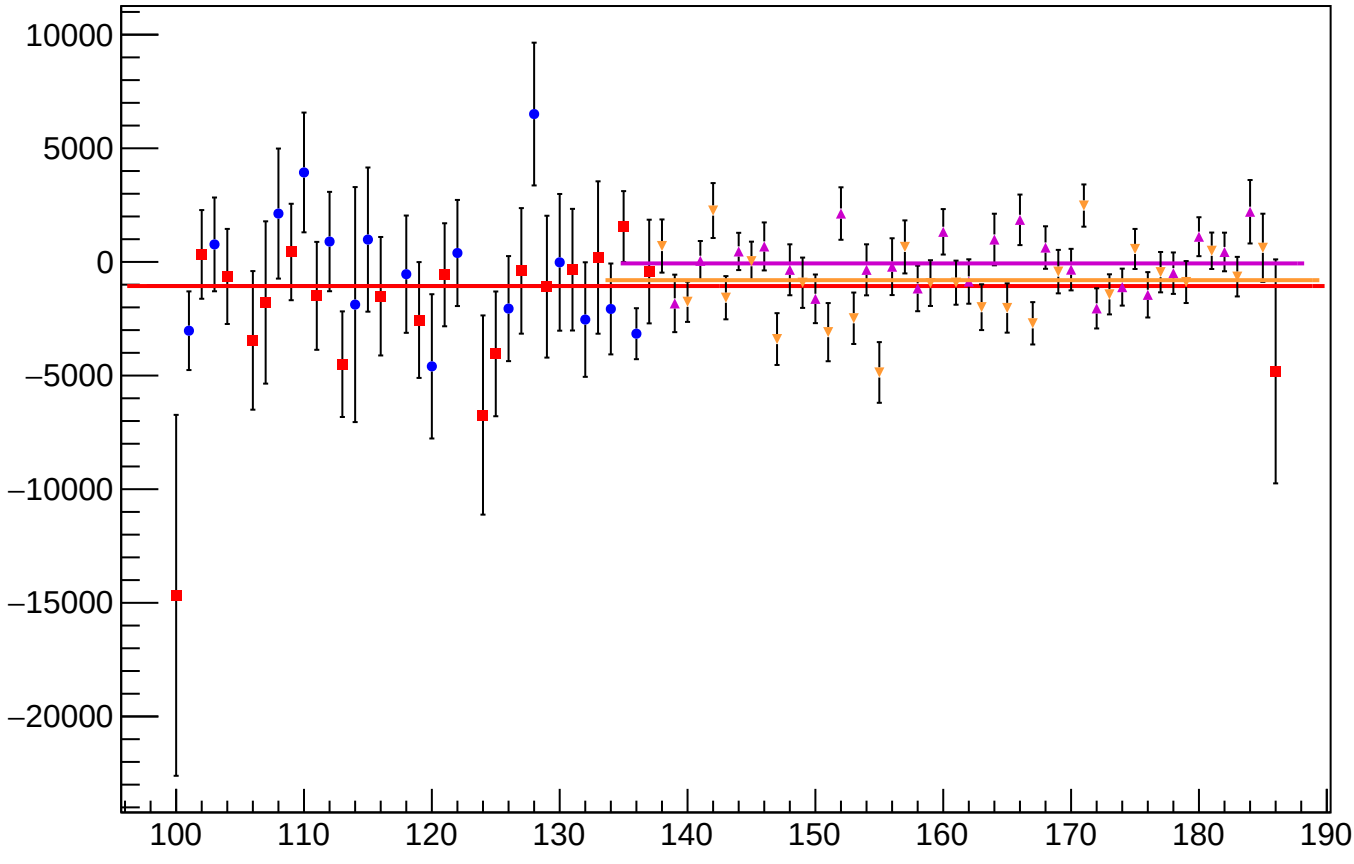
Right Out: 106.786+/-0.028 χ^2/NDF: 710613.4/19

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 93.905+/-0.013 χ^2/NDF: 1340553.7/40

All: 94.152+/-0.009 χ^2/NDF: 2856673.9/83

- sign 94.408+/-0.013 χ^2/NDF: 1515397.9/42



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1061.042+/-571.224 χ^2/NDF: 13.9/19

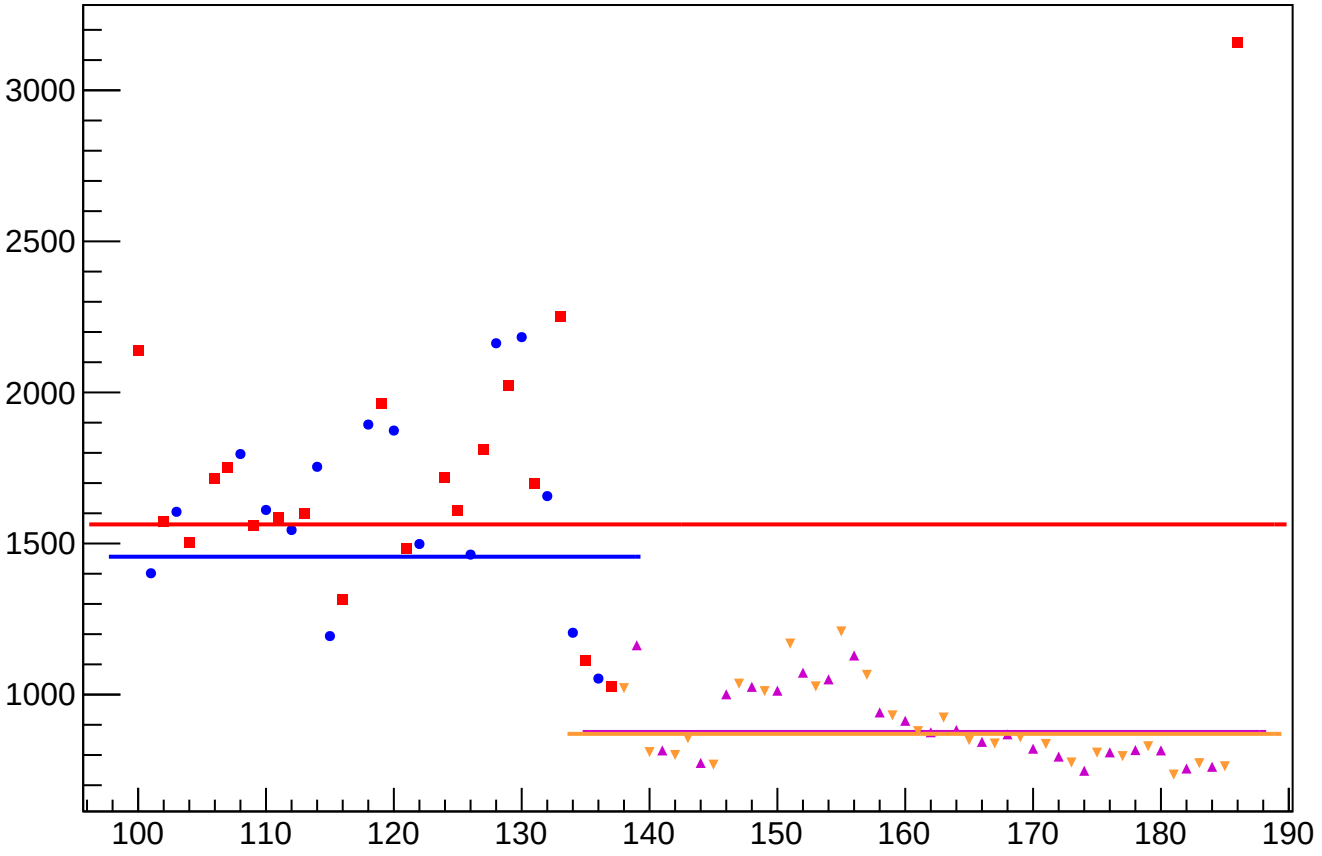
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -831.764+/-188.134 χ^2/NDF: 78.5/40

All: -516.705+/-135.174 χ^2/NDF: 131.6/83

- sign -180.491+/-194.347 χ^2/NDF: 47.3/42

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1563.233+/-0.404 χ^2/NDF: 731485.8/19

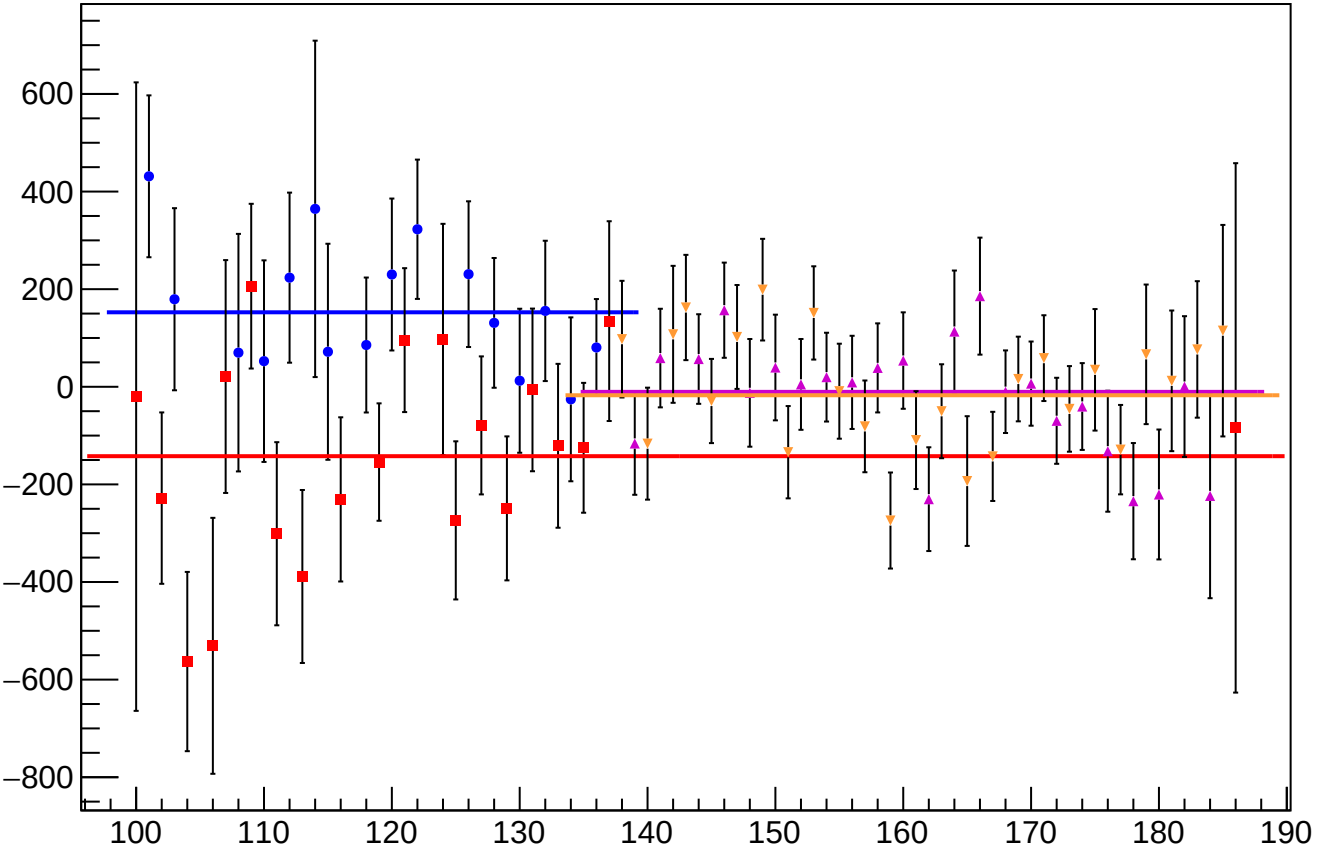
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 936.741+/-0.133 χ^2/NDF: 3291232.9/40

All: 945.958+/-0.096 χ^2/NDF: 7187561.5/83

- sign 955.793+/-0.137 χ^2/NDF: 3886406.1/42

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -142.189+/-39.237 χ^2/NDF: 22.9/19

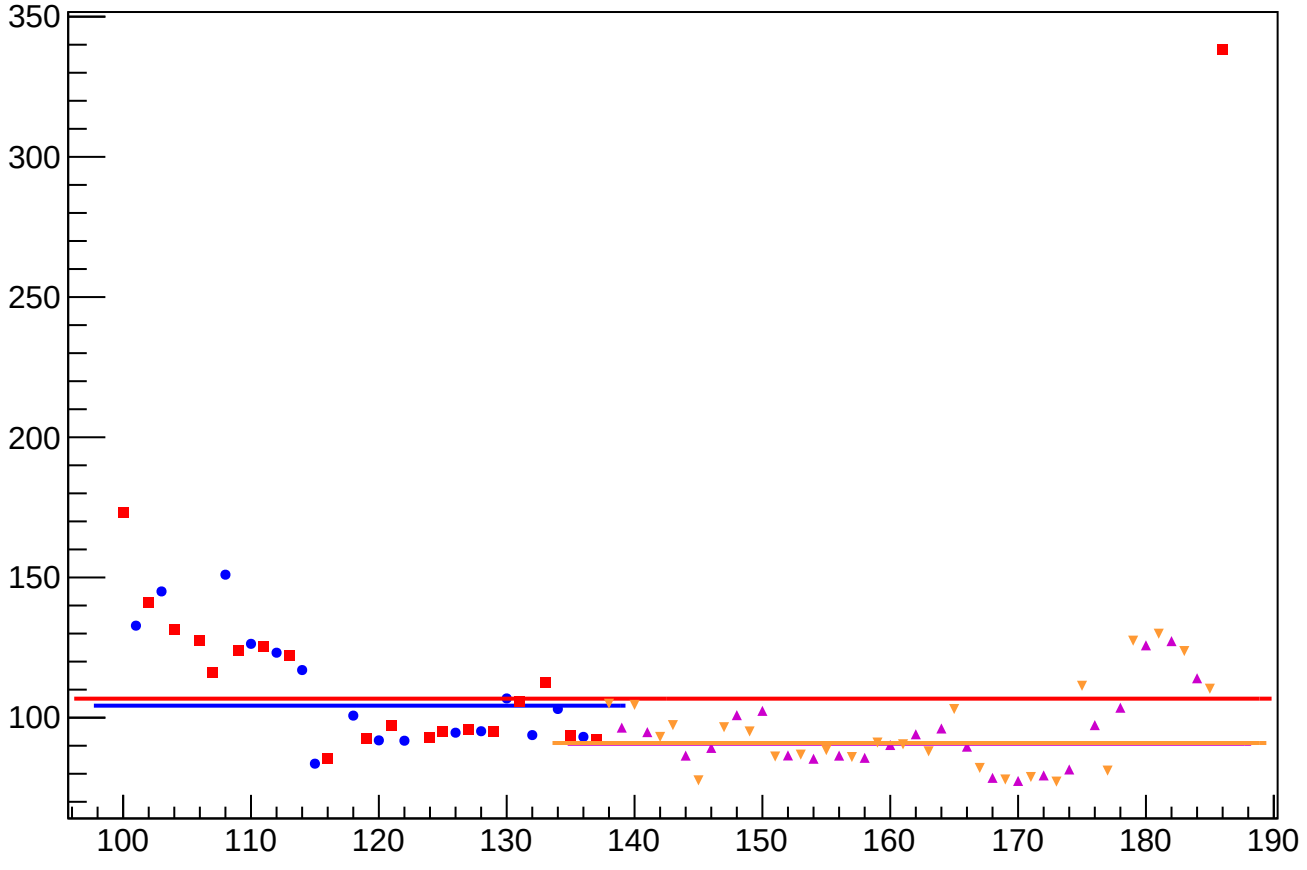
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 20.145+/-18.528 χ^2/NDF: 54.3/40

All: -9.814+/-13.216 χ^2/NDF: 113.9/83

- sign -40.848+/-18.857 χ^2/NDF: 54.2/42

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

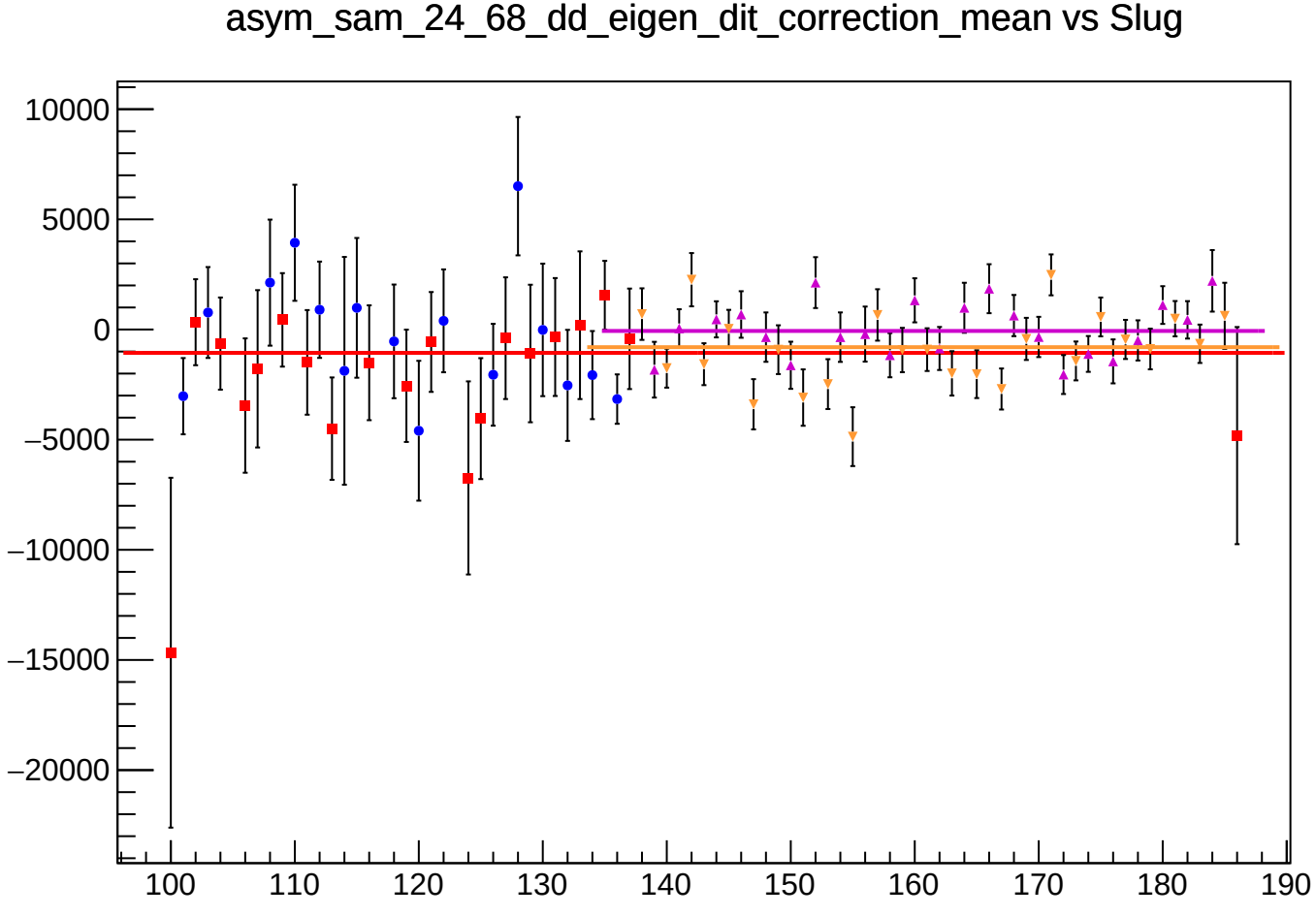
Right Out: 106.785+/-0.028 χ^2/NDF: 710615.1/19

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 93.905+/-0.013 χ^2/NDF: 1340535.7/40

All: 94.152+/-0.009 χ^2/NDF: 2856628.7/83

- sign 94.407+/-0.013 χ^2/NDF: 1515370.9/42



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

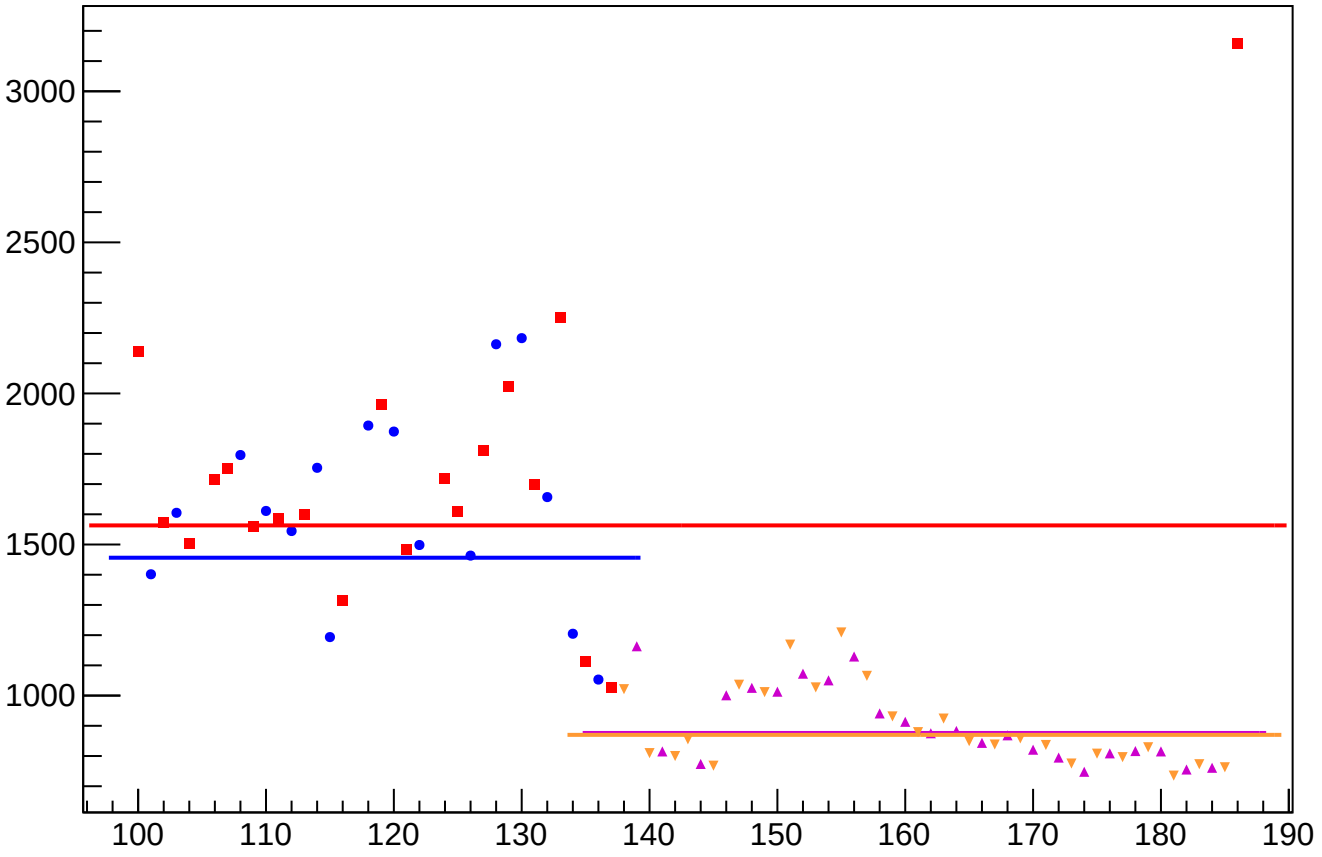
Right Out: -1061.041+/-571.222 χ^2/NDF: 13.9/19

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -831.763+/-188.134 χ^2/NDF: 78.5/40

All: -516.704+/-135.174 χ^2/NDF: 131.6/83

- sign -180.491+/-194.347 χ^2/NDF: 47.3/42



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1563.230+/-0.404 χ^2/NDF: 731486.4/19

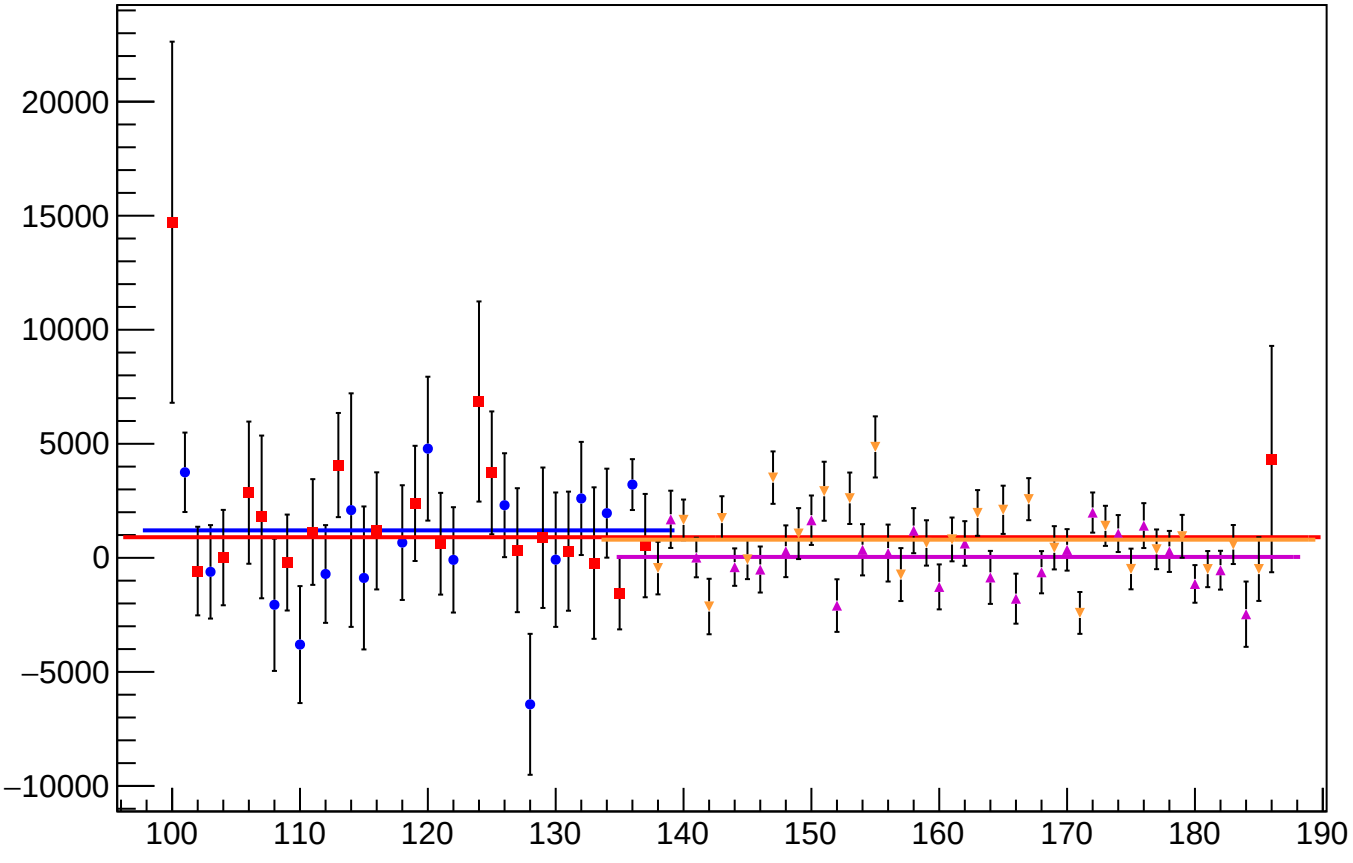
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

\+ sign 936.740+/-0.133 χ^2/NDF: 3291226.1/40

All: 945.957+/-0.096 χ^2/NDF: 7187548.6/83

\- sign 955.792+/-0.137 χ^2/NDF: 3886400.1/42

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 904.574+/-566.659 χ^2/NDF: 13.0/19

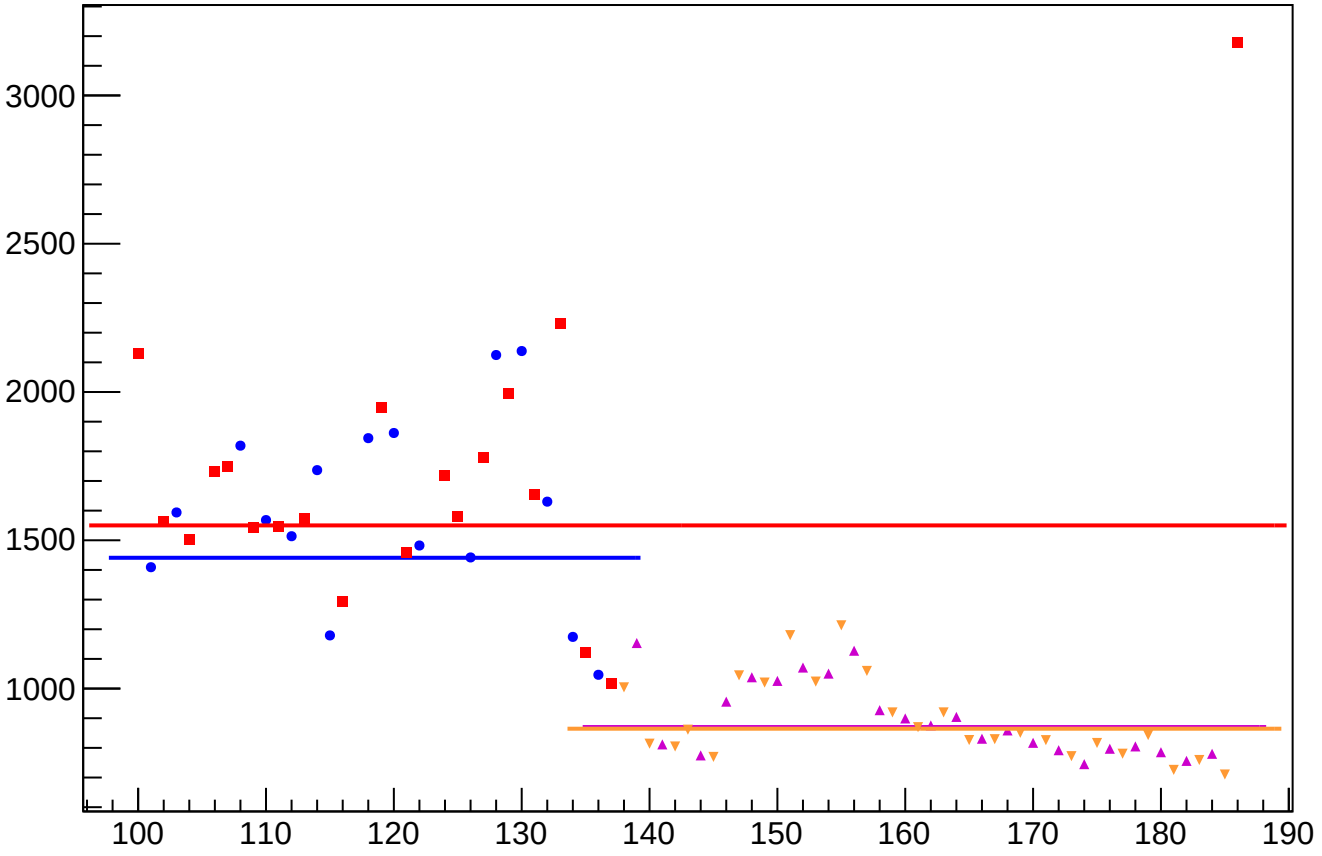
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

\+ sign 843.219+/-187.031 χ^2/NDF: 78.8/40

All: 502.833+/-134.333 χ^2/NDF: 130.4/83

\- sign 140.135+/-193.063 χ^2/NDF: 44.8/42

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

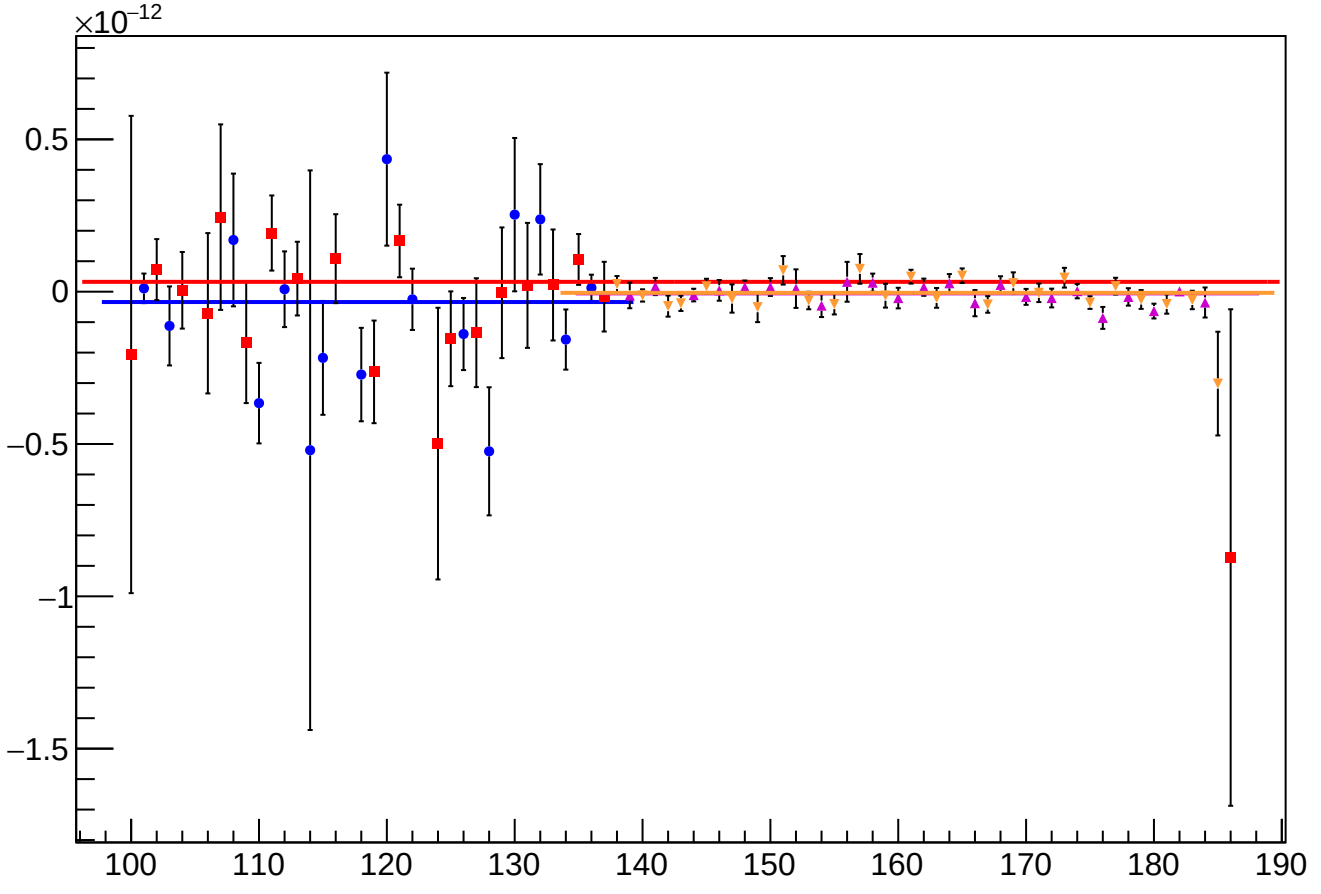
Right Out: 1550.166+/-0.401 χ^2/NDF: 719827.6/19

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 930.872+/-0.132 χ^2/NDF: 3291565.1/40

All: 939.774+/-0.095 χ^2/NDF: 7169685.2/83

- sign 949.259+/-0.137 χ^2/NDF: 3868761.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

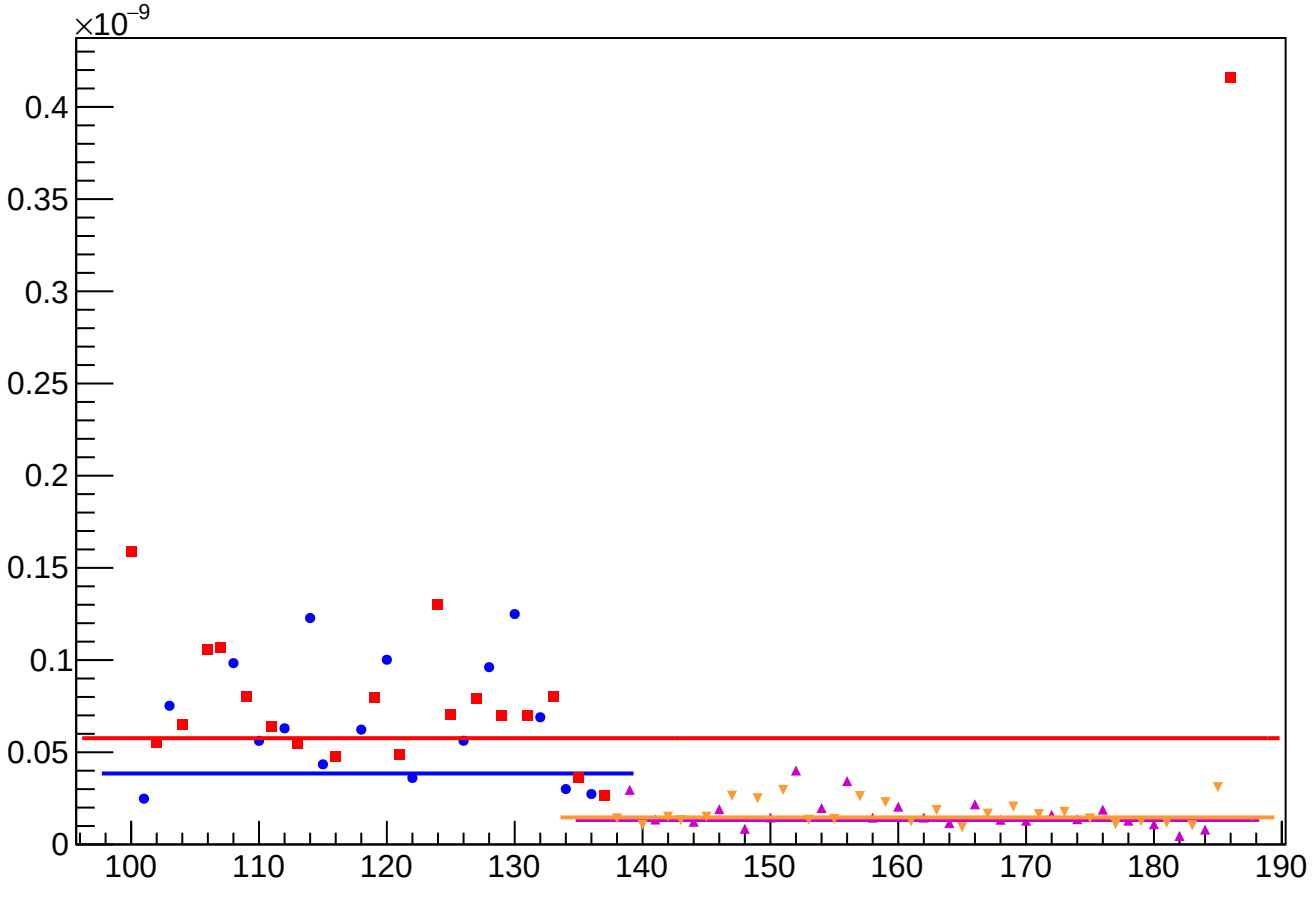
Right Out: 0.000+/-0.000 χ^2/NDF: 14.2/19

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.5/40

All: -0.000+/-0.000 χ^2/NDF: 103.6/83

- sign -0.000+/-0.000 χ^2/NDF: 36.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1048838.7/19

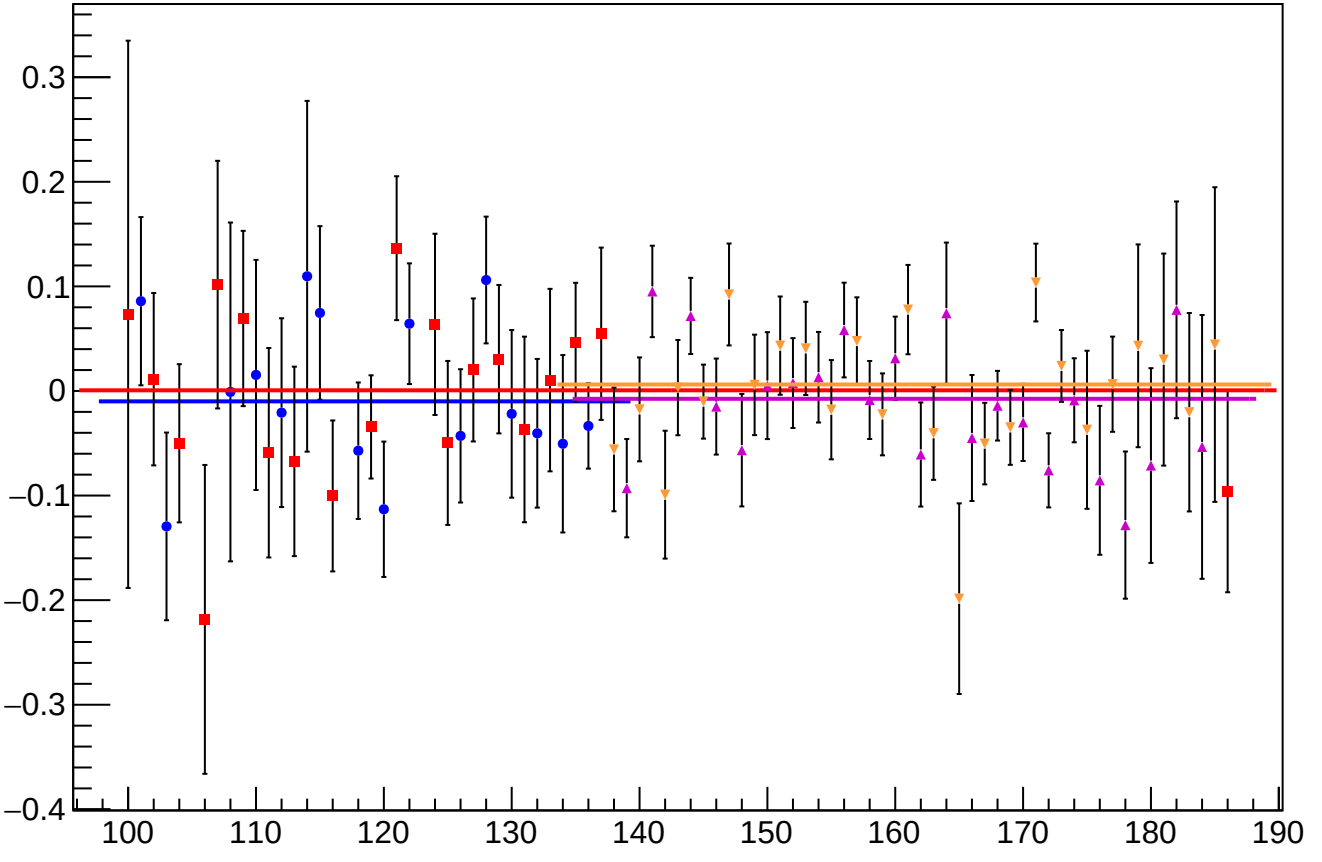
Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 4168307.1/40

All: 0.000+/-0.000 χ^2/NDF: 10586212.4/83

- 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: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.001+/-0.018 χ^2/NDF: 14.9/19

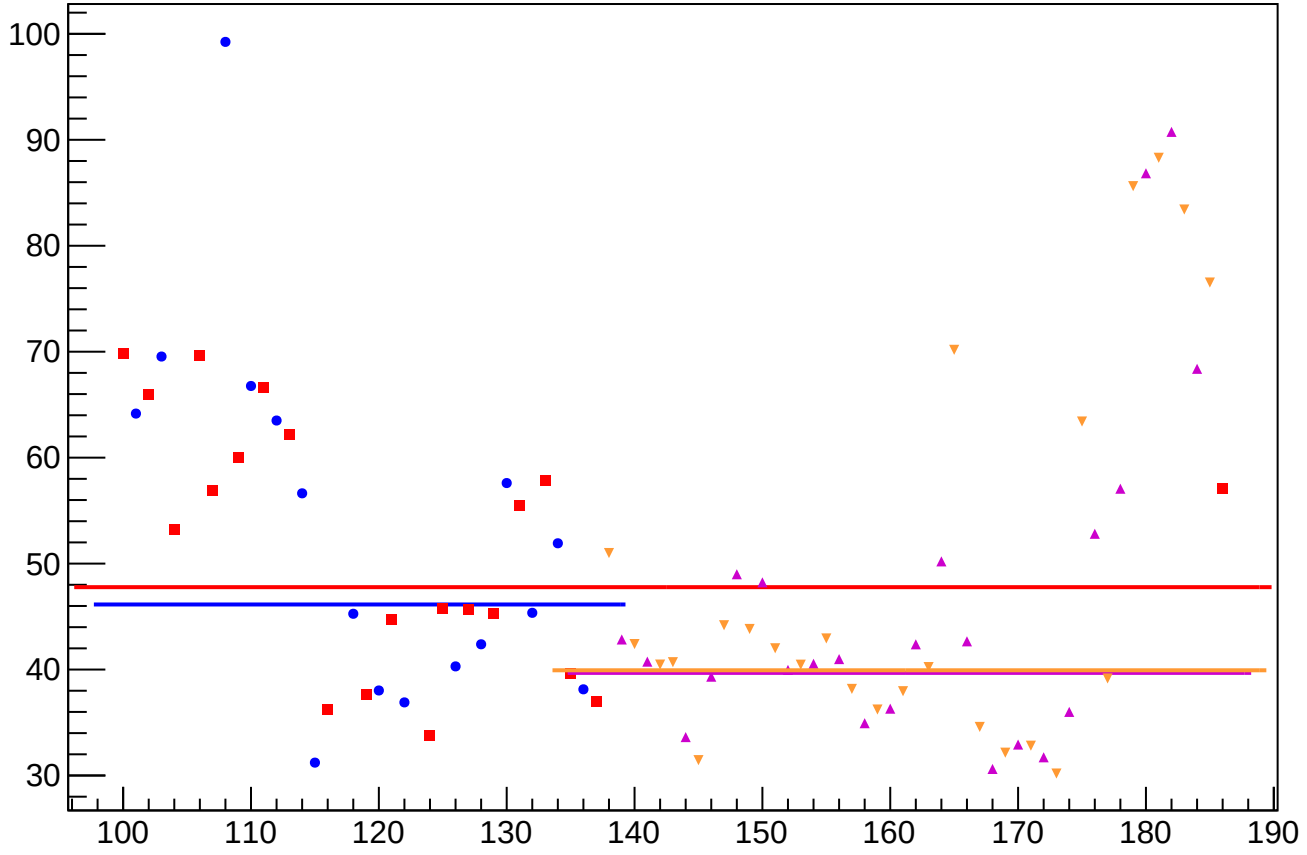
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 45.7/40

All: -0.001+/-0.006 χ^2/NDF: 91.6/83

- 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: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

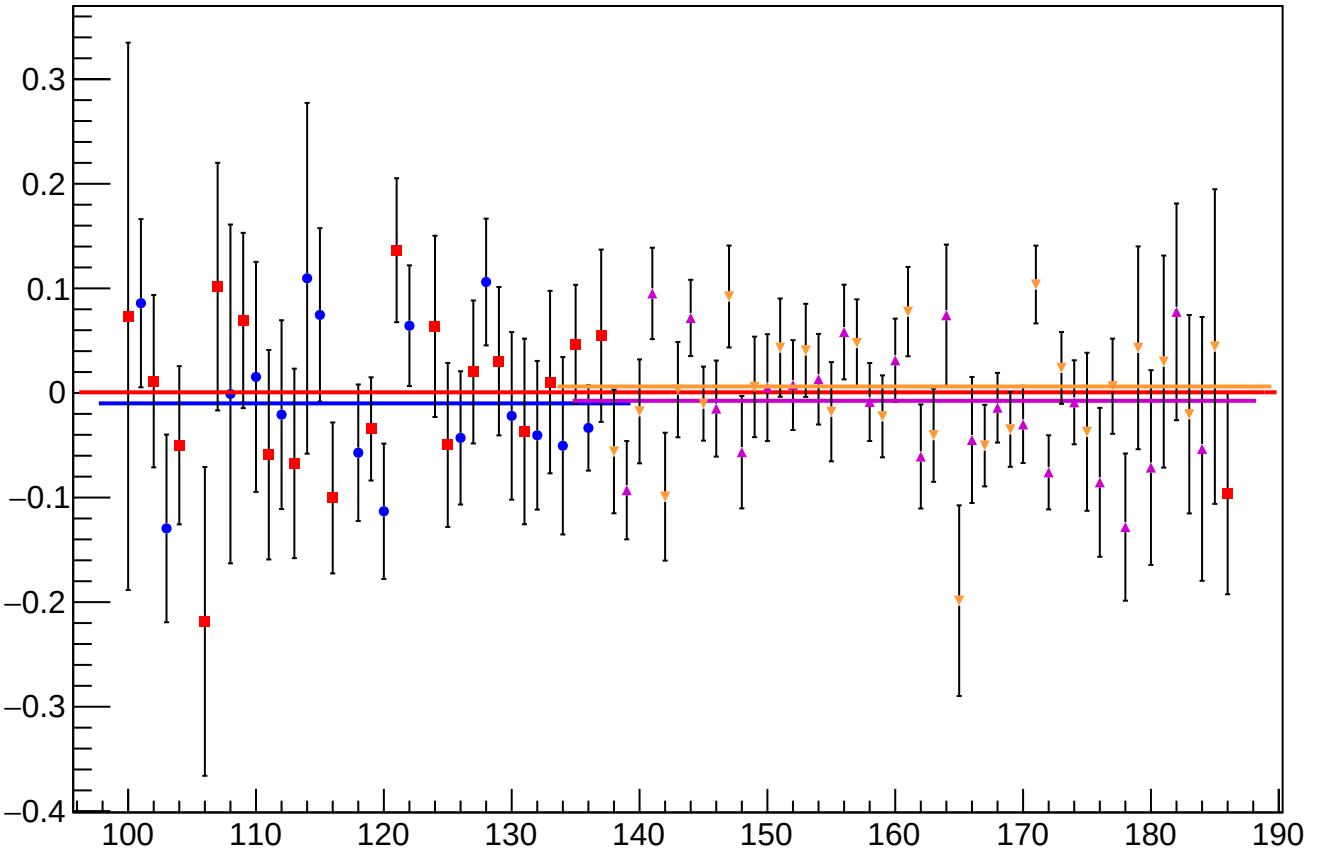
Right Out: 47.776+/-0.013 χ^2/NDF: 673835.3/19

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.300+/-0.006 χ^2/NDF: 3564527.6/40

All: 41.430+/-0.004 χ^2/NDF: 6473108.5/83

- sign 41.563+/-0.006 χ^2/NDF: 2907627.1/42



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

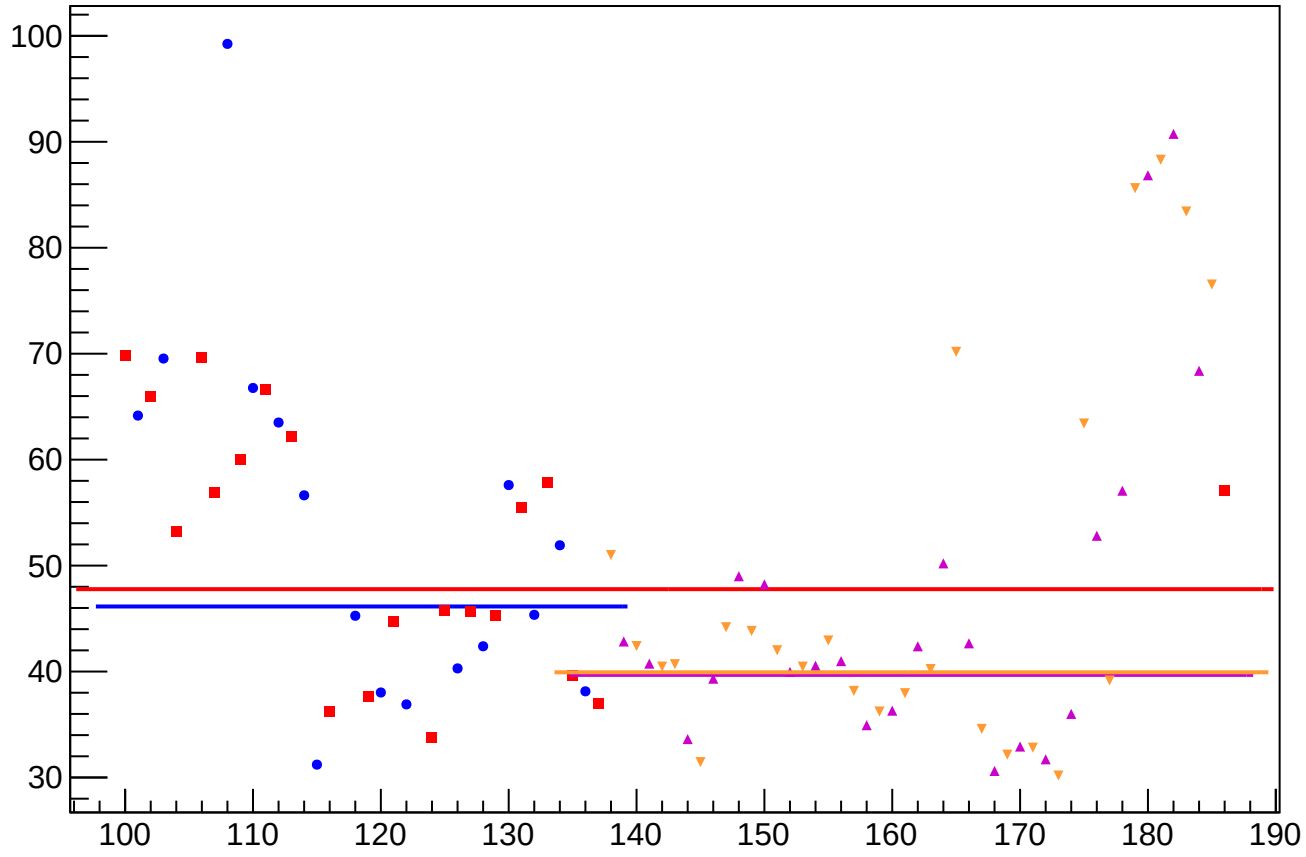
Right Out: 0.001+/-0.018 χ^2/NDF: 14.9/19

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 45.7/40

All: -0.001+/-0.006 χ^2/NDF: 91.6/83

- sign -0.006+/-0.009 χ^2/NDF: 45.5/42



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

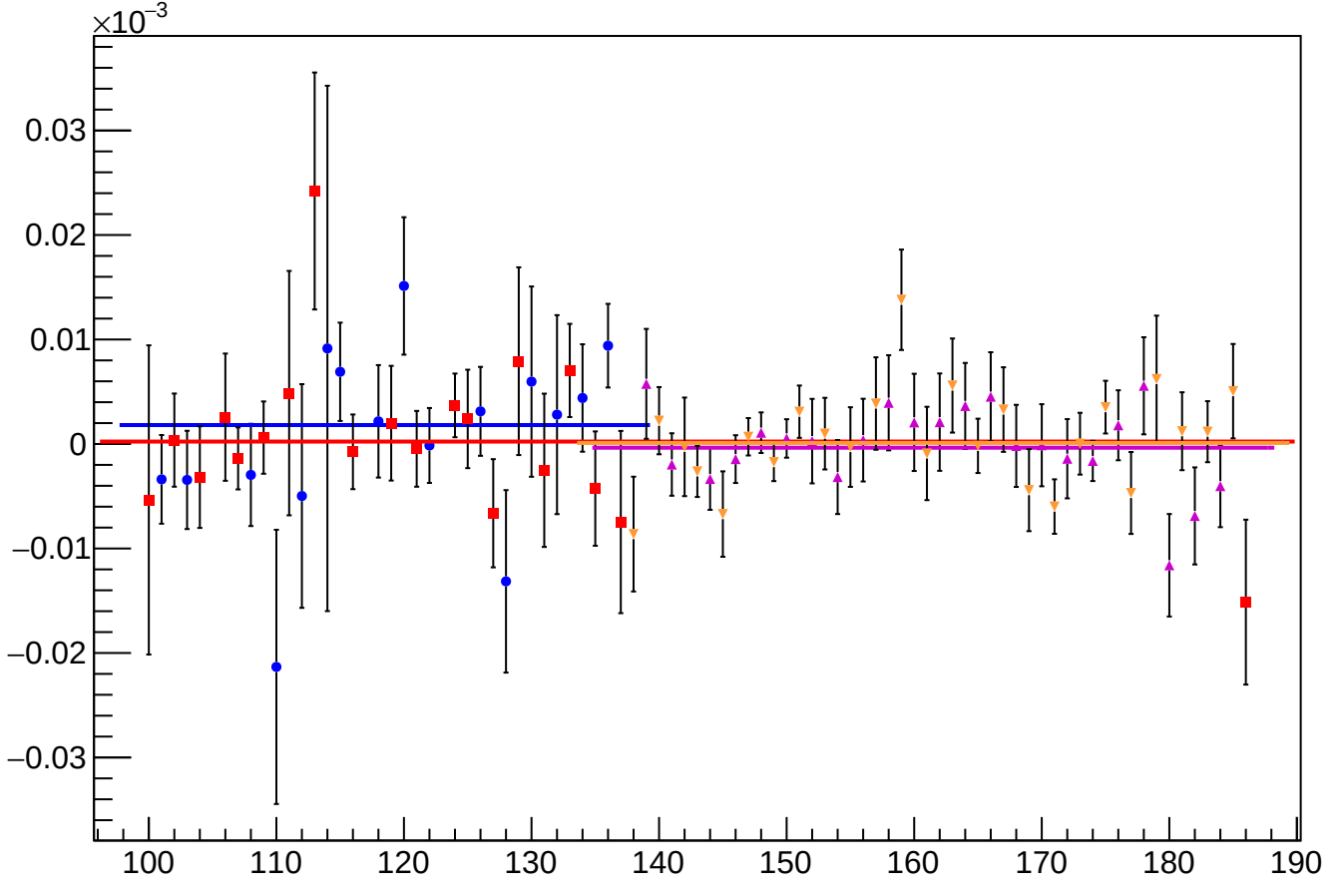
Right Out: 47.776+/-0.013 χ^2/NDF: 673835.3/19

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.300+/-0.006 χ^2/NDF: 3564527.6/40

All: 41.430+/-0.004 χ^2/NDF: 6473108.5/83

- sign 41.563+/-0.006 χ^2/NDF: 2907627.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

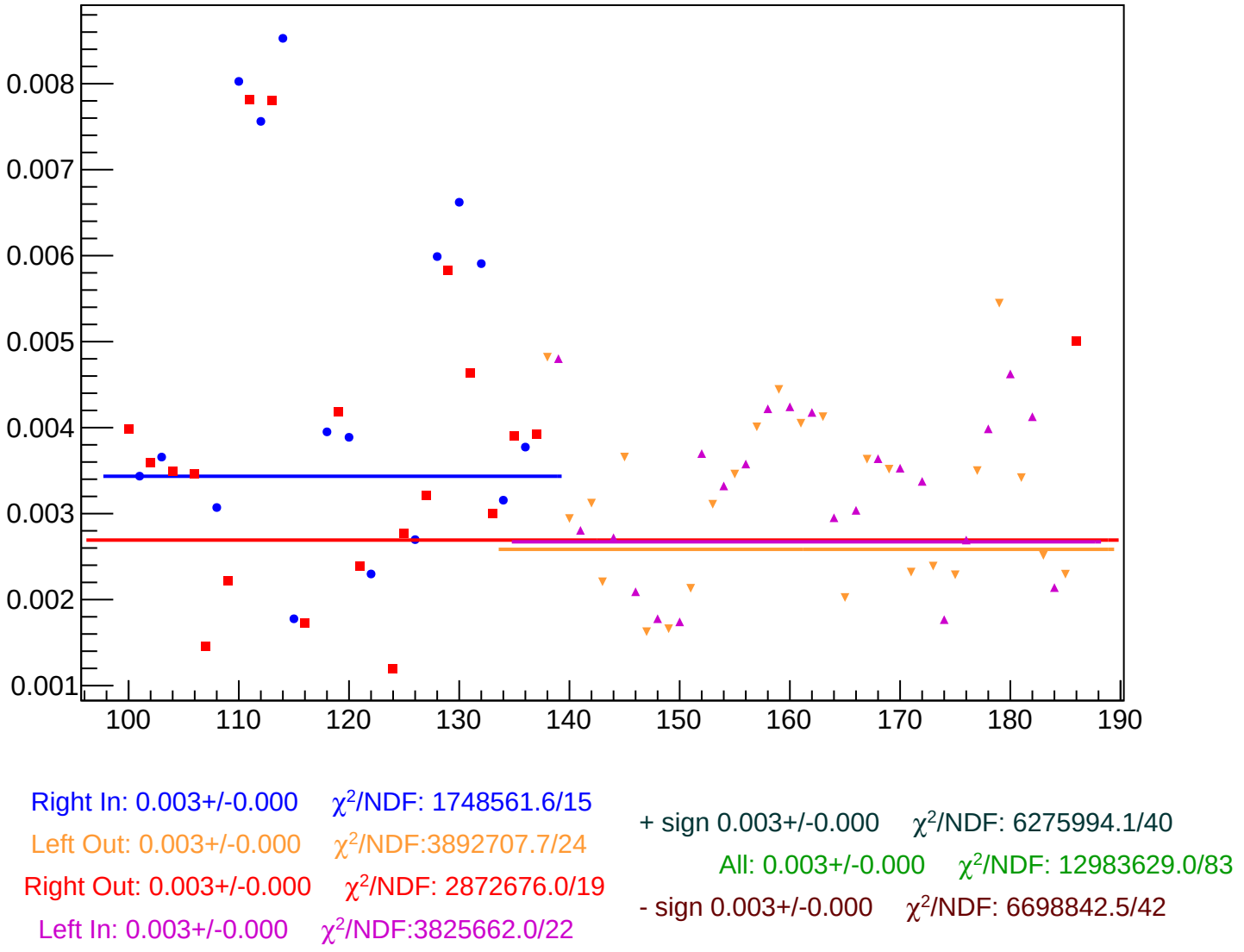
Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/19

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.5/40

All: 0.000+/-0.000 χ^2/NDF: 91.6/83

- sign -0.000+/-0.000 χ^2/NDF: 36.6/42


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug
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0.005
0.004
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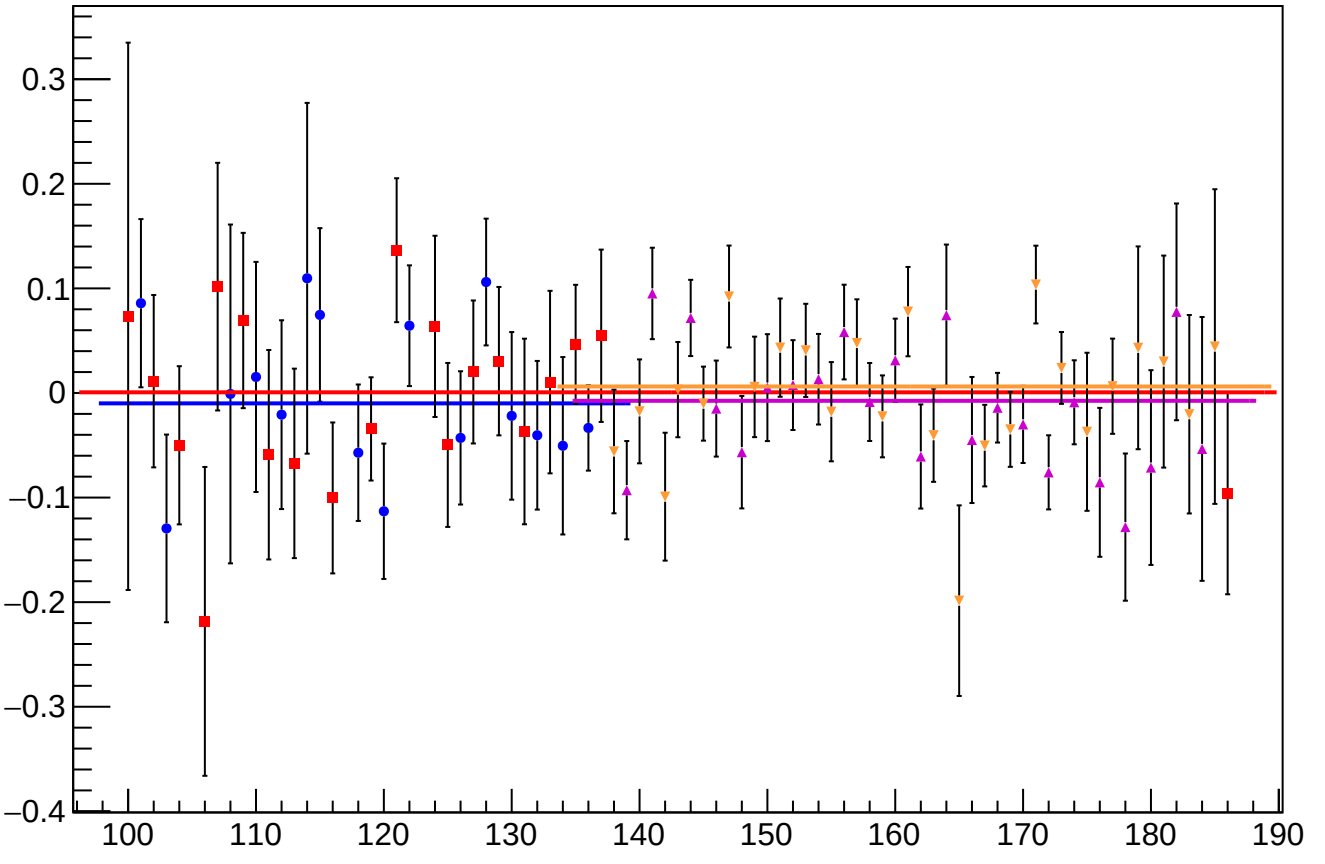
0.002
0.001
100
110
120
130
140
150
160
170
180
190
Right In: 0.003+/-0.000 χ²/NDF: 1748561.6/15
Left Out: 0.003+/-0.000 χ²/NDF:3892707.7/24
Right Out: 0.003+/-0.000 χ²/NDF: 2872676.0/19
Left In: 0.003+/-0.000 χ²/NDF:3825662.0/22
+ sign 0.003+/-0.000 χ²/NDF: 6275994.1/40
All: 0.003+/-0.000 χ²/NDF: 12983629.0/83
- sign 0.003+/-0.000 χ²/NDF: 6698842.5/42



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

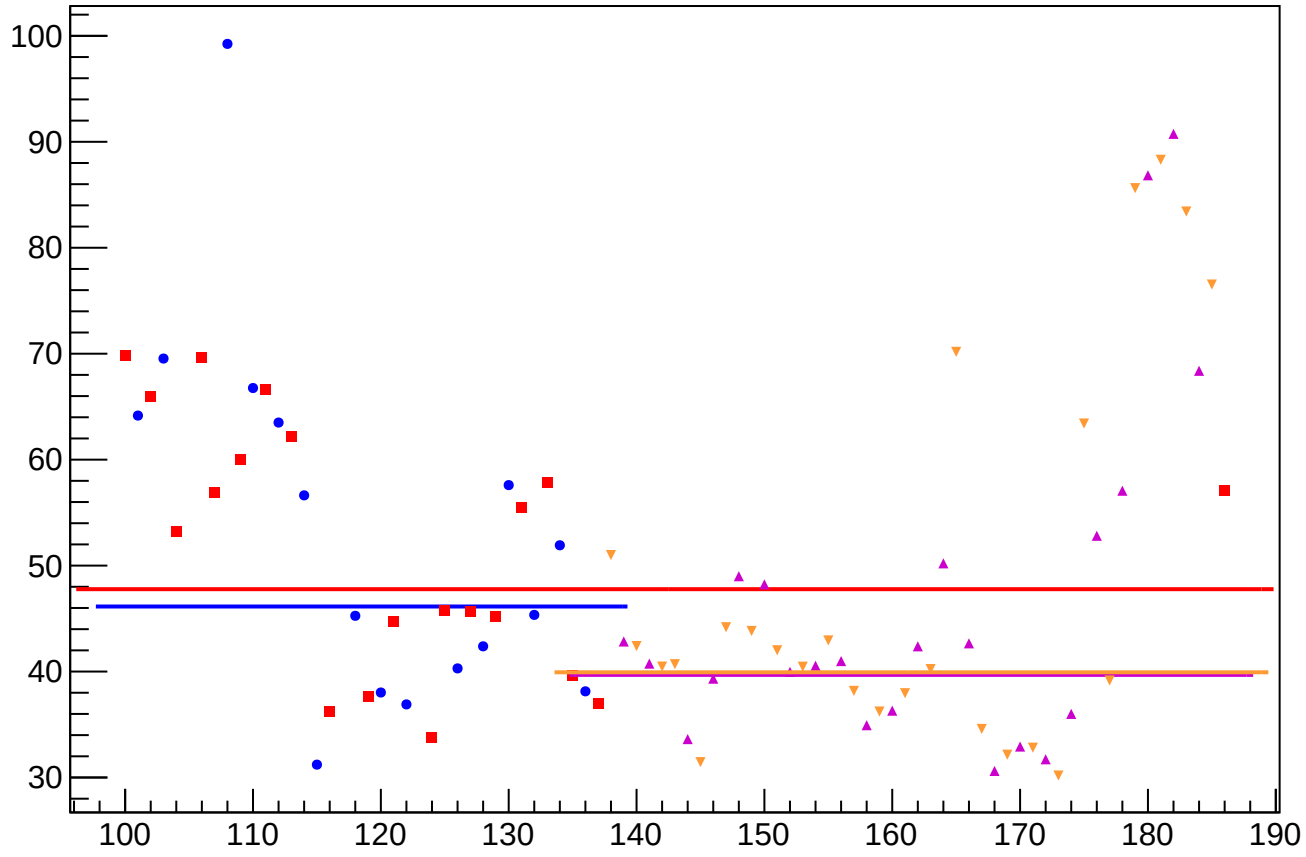
Right Out: 0.001+/-0.018 χ^2/NDF: 14.9/19

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 45.7/40

All: -0.001+/-0.006 χ^2/NDF: 91.6/83

- sign -0.006+/-0.009 χ^2/NDF: 45.5/42



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

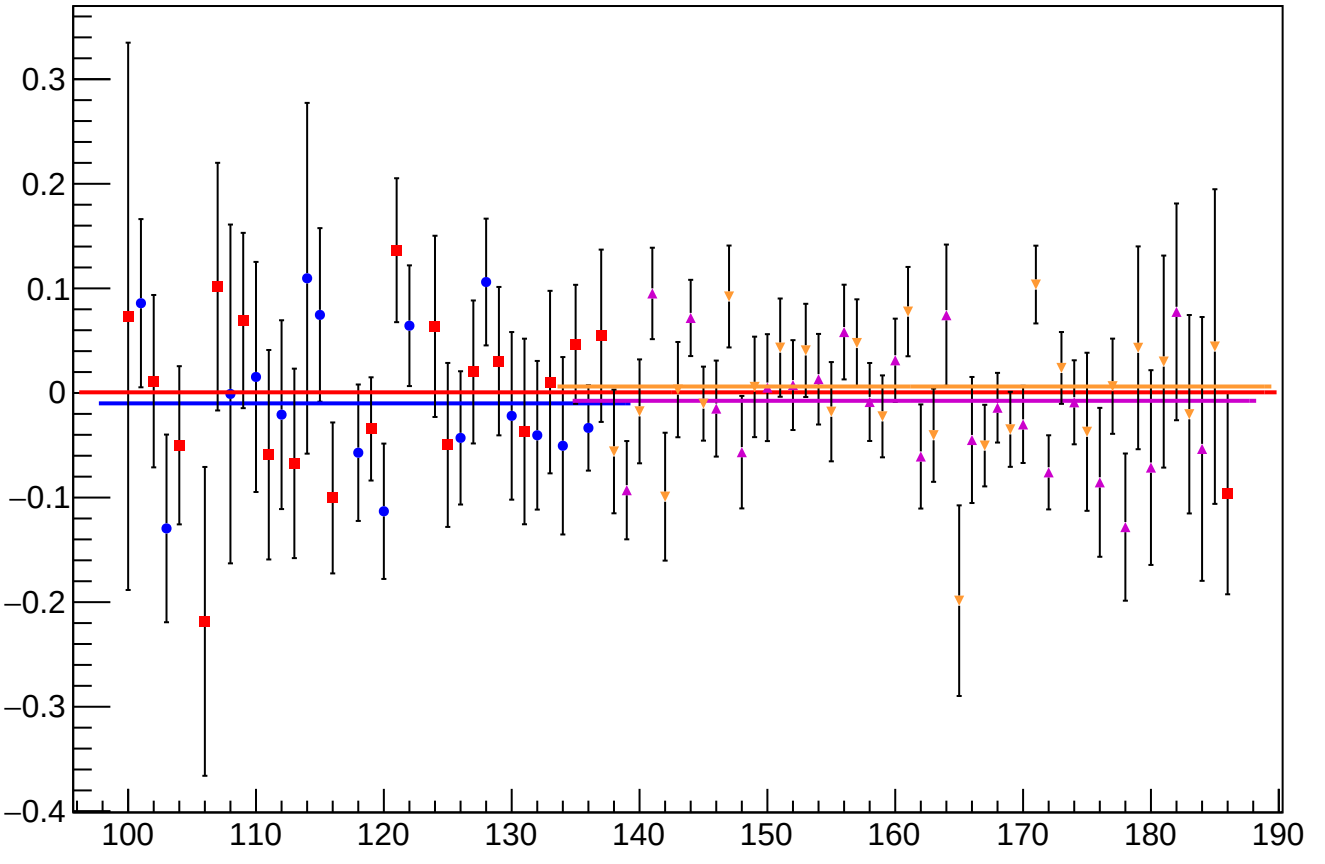
Right Out: 47.775+/-0.013 χ^2/NDF: 673835.1/19

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.300+/-0.006 χ^2/NDF: 3564450.5/40

All: 41.429+/-0.004 χ^2/NDF: 6472994.5/83

- sign 41.563+/-0.006 χ^2/NDF: 2907591.3/42



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

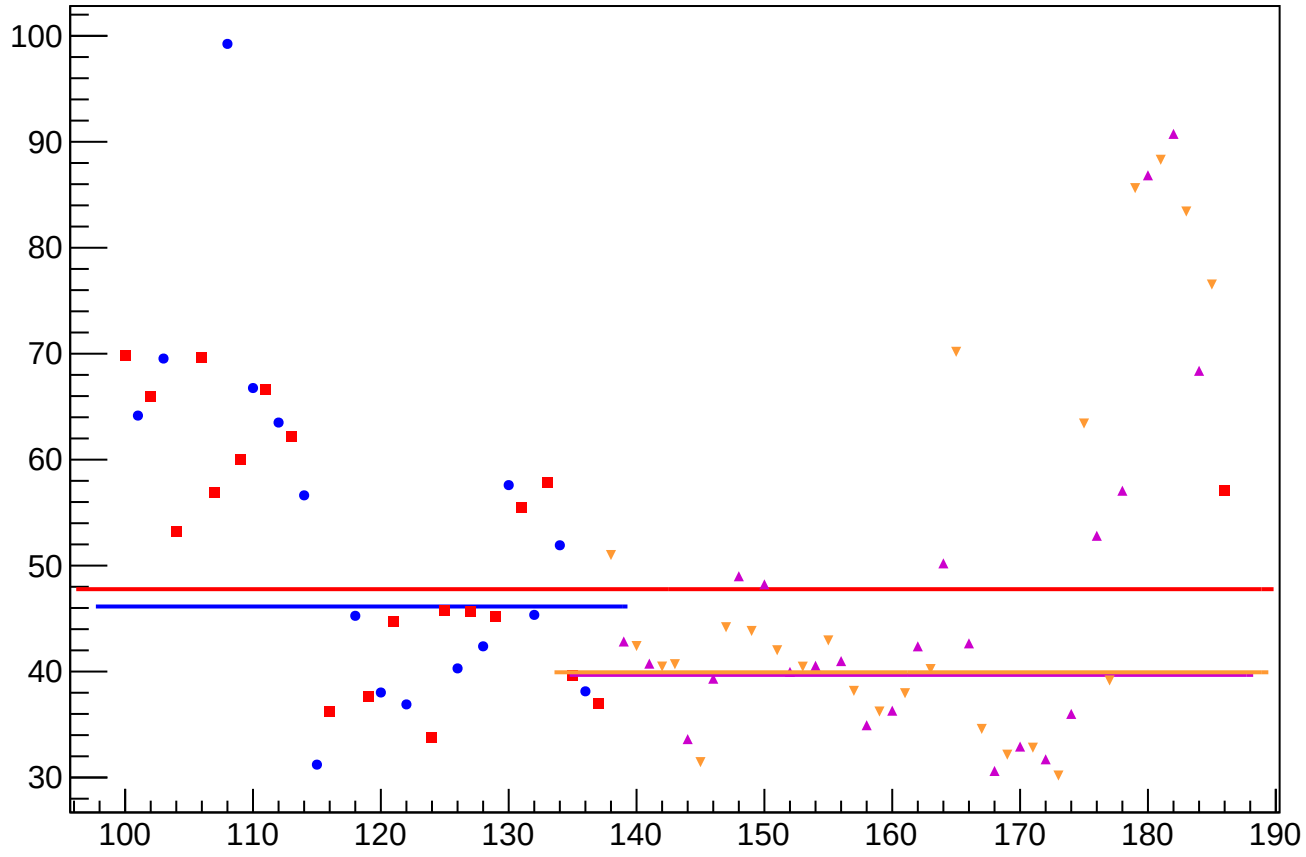
Right Out: 0.001+/-0.018 χ^2/NDF: 14.9/19

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 45.7/40

All: -0.001+/-0.006 χ^2/NDF: 91.6/83

- sign -0.006+/-0.009 χ^2/NDF: 45.5/42



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

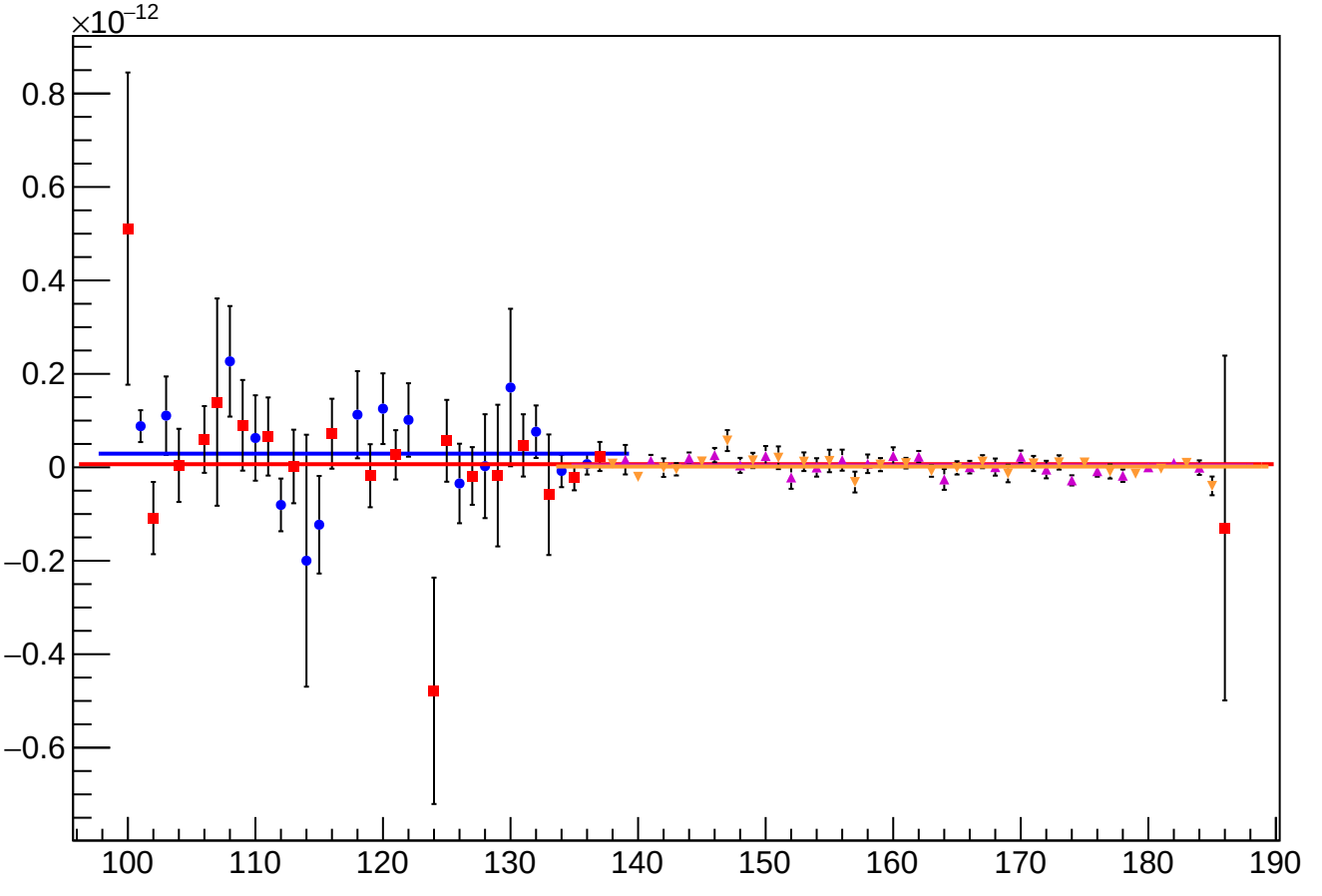
Right Out: 47.775+/-0.013 χ^2/NDF: 673835.1/19

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.300+/-0.006 χ^2/NDF: 3564450.5/40

All: 41.429+/-0.004 χ^2/NDF: 6472994.5/83

- sign 41.563+/-0.006 χ^2/NDF: 2907591.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

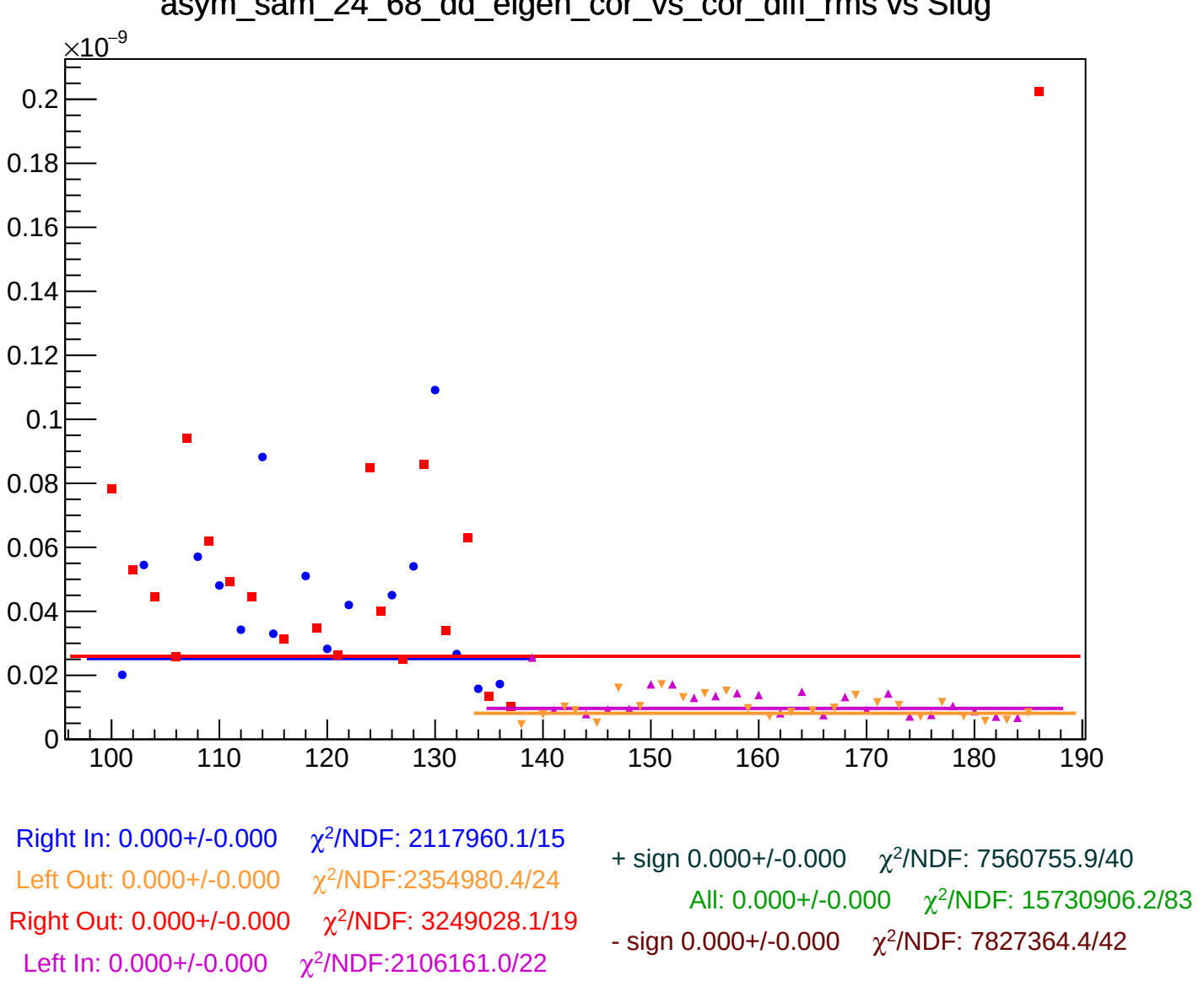
Right Out: 0.000+/-0.000 χ^2/NDF: 14.4/19

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.9/40

All: 0.000+/-0.000 χ^2/NDF: 94.9/83

- 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
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0.1
0.08
0.06
0.04
0.02
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100
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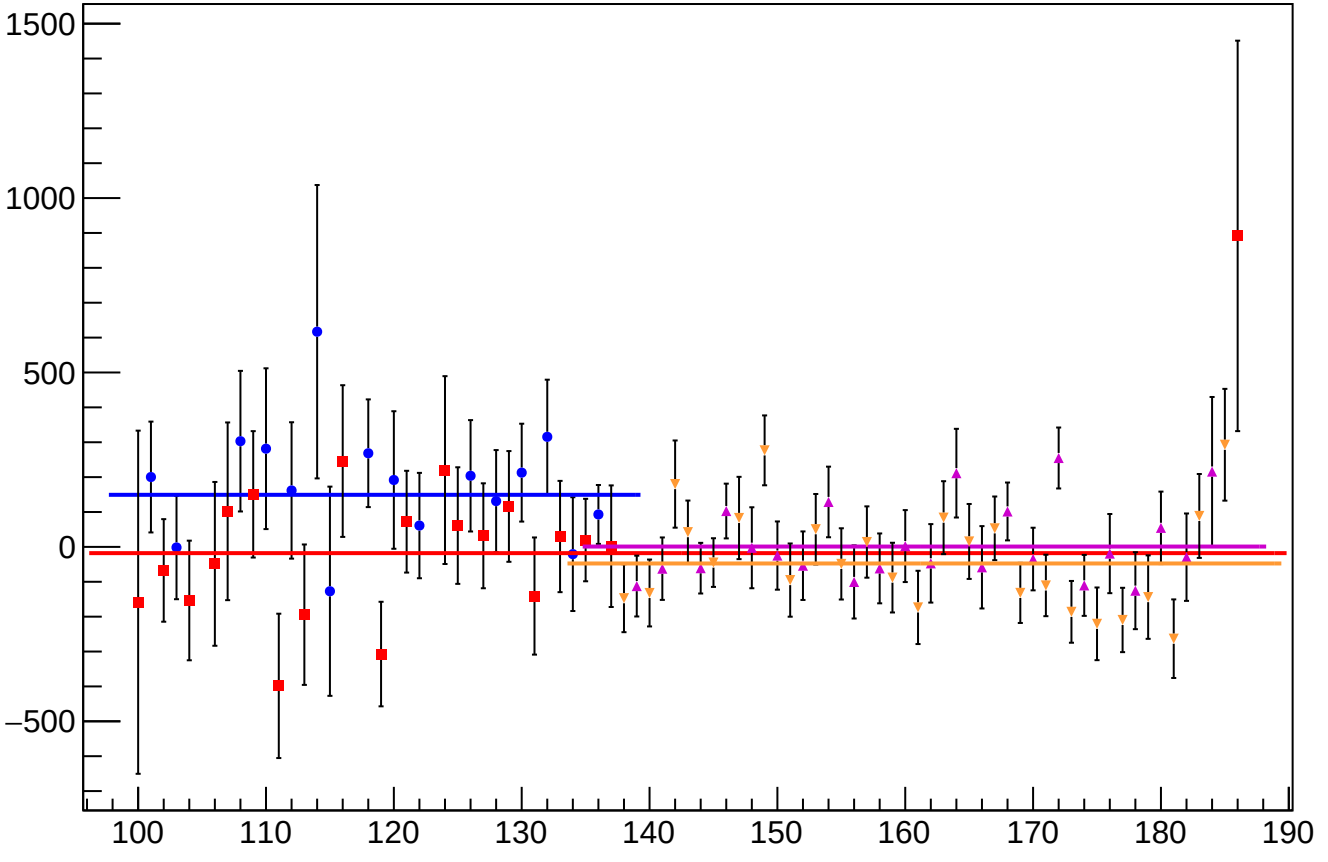
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2117960.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2354980.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 3249028.1/19
Left In: 0.000+/-0.000 χ²/NDF:2106161.0/22
+ sign 0.000+/-0.000 χ²/NDF: 7560755.9/40
All: 0.000+/-0.000 χ²/NDF: 15730906.2/83
- sign 0.000+/-0.000 χ²/NDF: 7827364.4/42

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -17.880+/-39.998 χ^2/NDF: 16.9/19

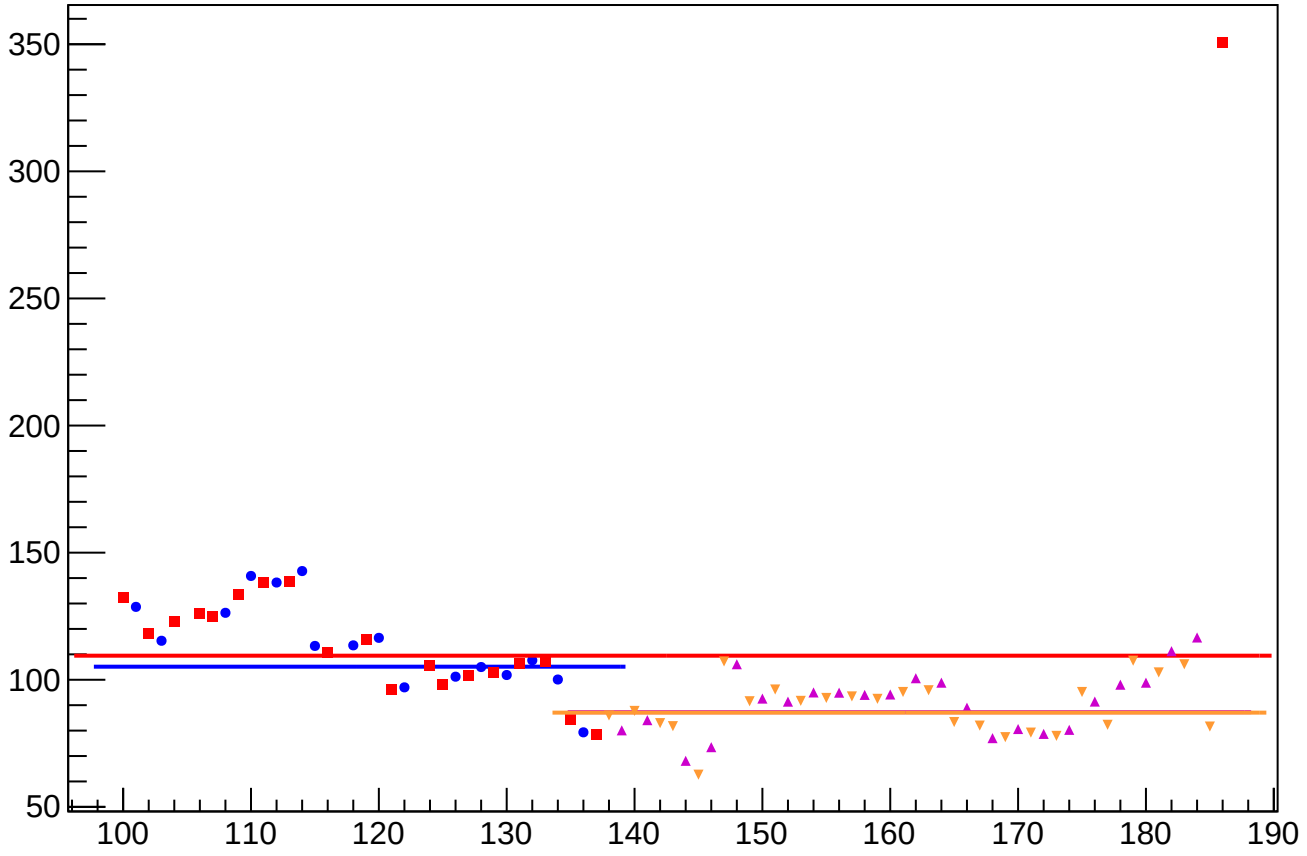
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -7.715+/-17.848 χ^2/NDF: 71.6/40

All: -5.404+/-12.783 χ^2/NDF: 114.2/83

- sign -2.970+/-18.316 χ^2/NDF: 42.5/42

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

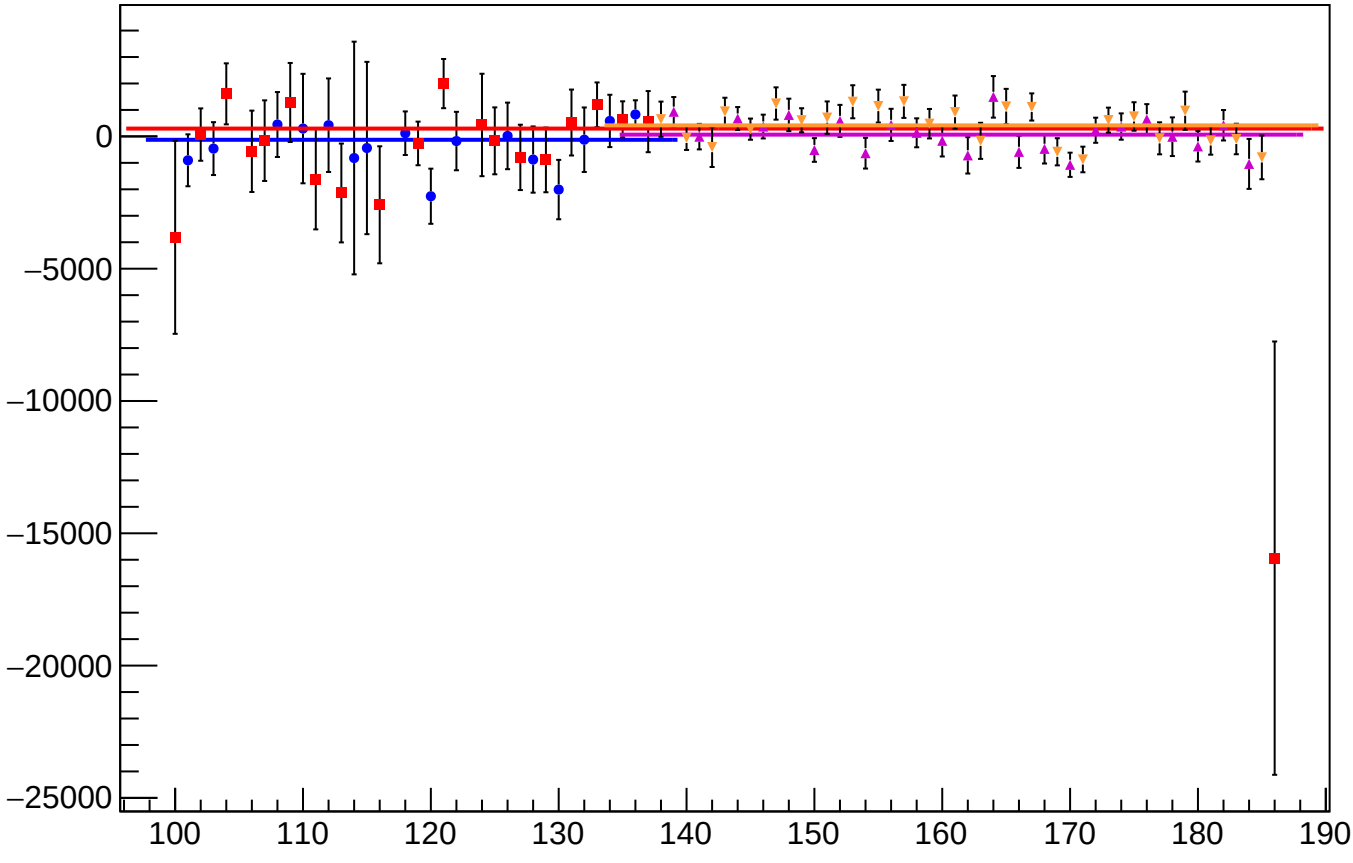
Right Out: 109.471+/-0.028 χ^2/NDF: 723138.1/19

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.727+/-0.013 χ^2/NDF: 1359959.5/40

All: 91.306+/-0.009 χ^2/NDF: 3170741.2/83

- sign 91.915+/-0.013 χ^2/NDF: 1806468.4/42



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 295.363+/-269.984 χ^2/NDF: 18.9/19

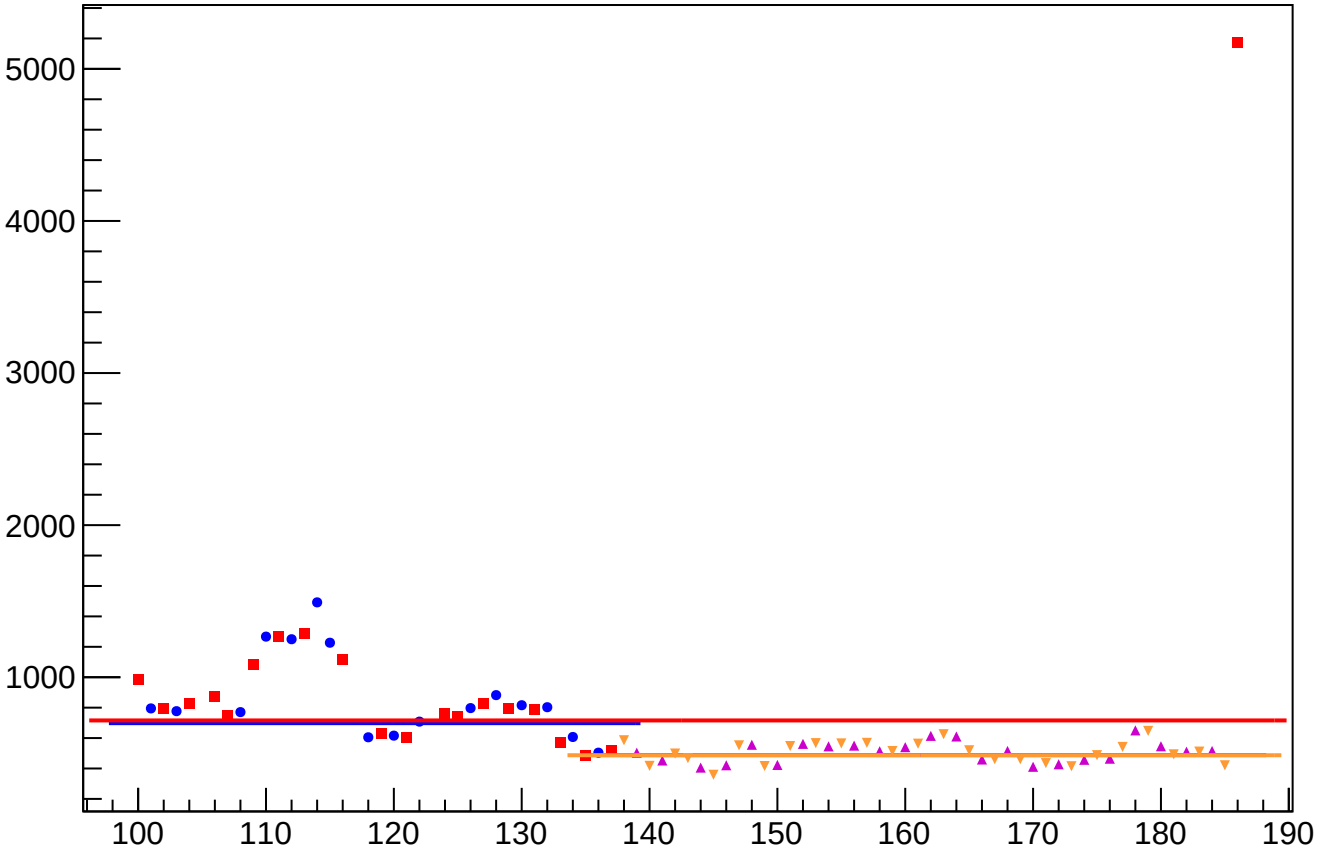
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

\+ sign 335.371+/-103.638 χ^2/NDF: 48.2/40

All: 221.461+/-74.148 χ^2/NDF: 97.8/83

\- sign 102.012+/-106.128 χ^2/NDF: 47.1/42

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 715.938+/-0.191 χ^2/NDF: 1628341.8/19

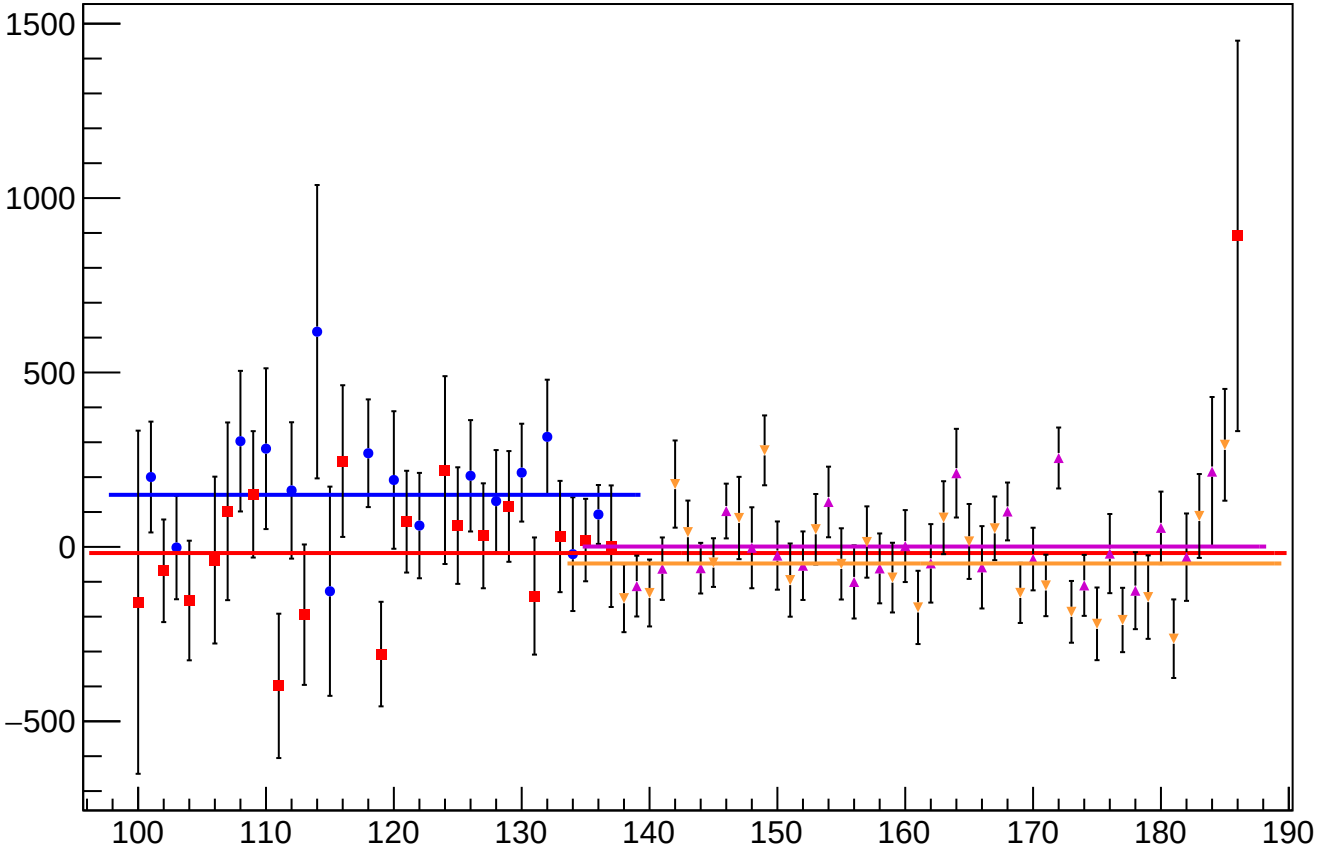
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 518.487+/-0.073 χ^2/NDF: 2784236.3/40

All: 520.769+/-0.052 χ^2/NDF: 6254866.2/83

- sign 523.162+/-0.075 χ^2/NDF: 3468643.5/42

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -17.624+/-40.020 χ^2/NDF: 16.9/19

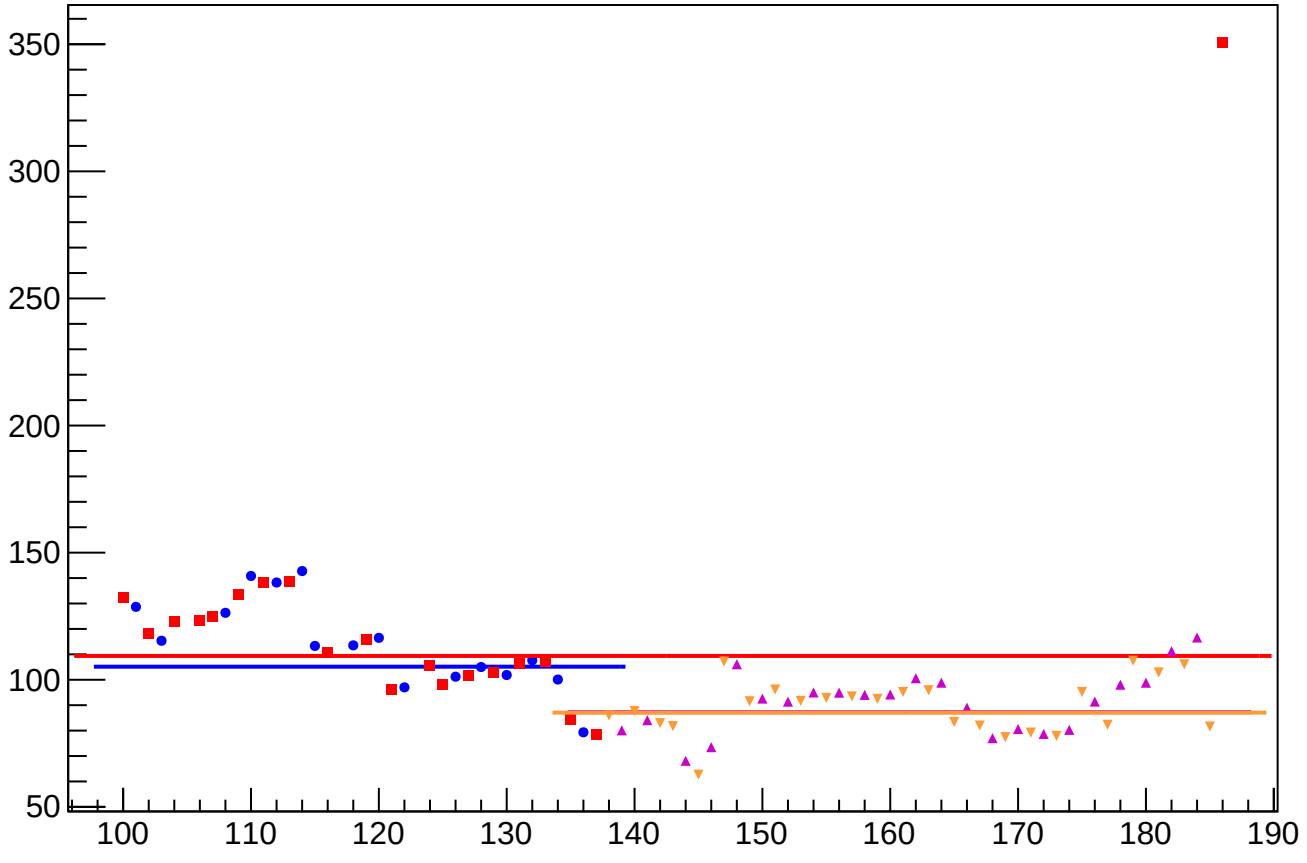
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.724+/-17.848 χ^2/NDF: 71.6/40

All: -5.380+/-12.784 χ^2/NDF: 114.1/83

- sign -2.912+/-18.319 χ^2/NDF: 42.5/42

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

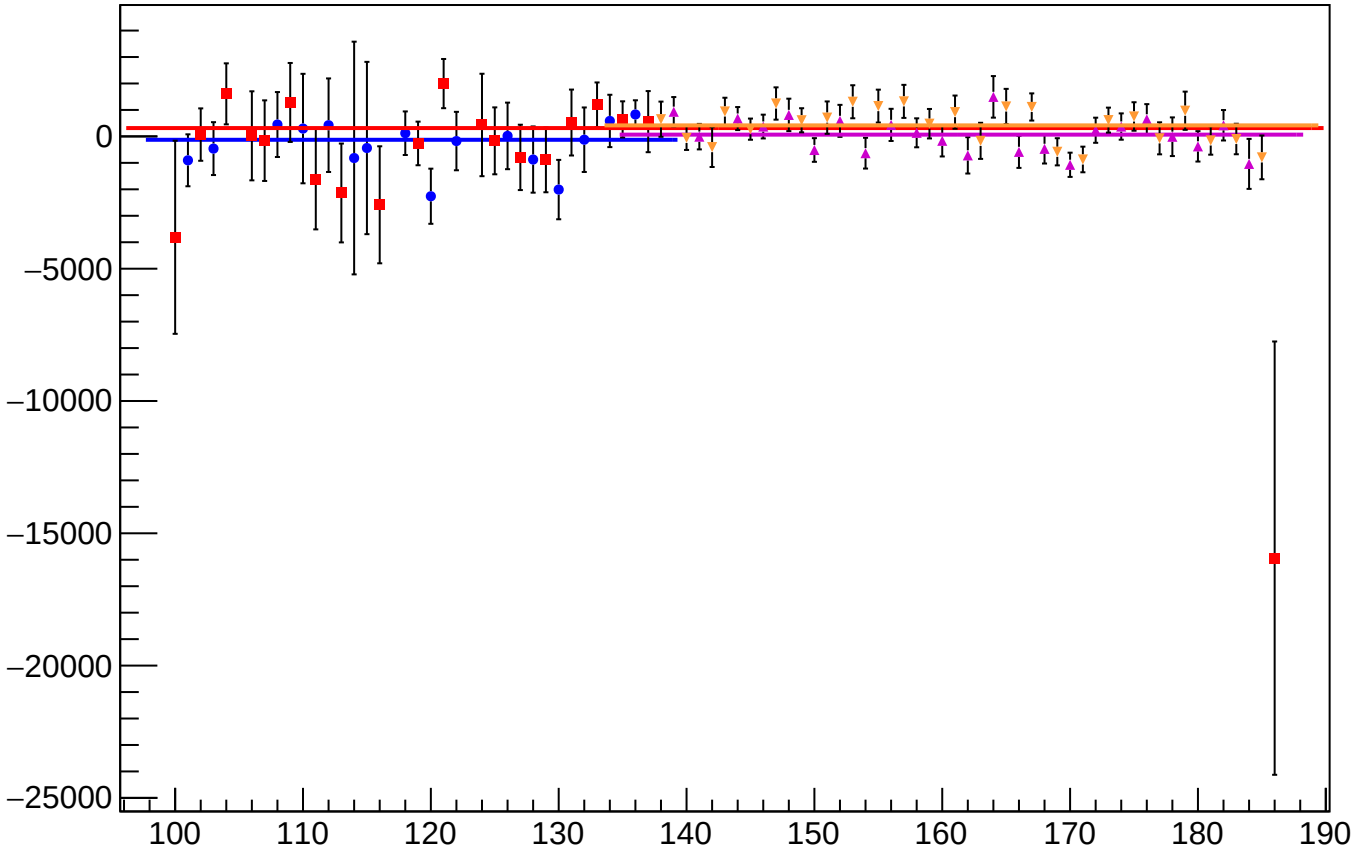
Right Out: 109.376+/-0.028 χ^2/NDF: 719818.7/19

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.727+/-0.013 χ^2/NDF: 1359959.8/40

All: 91.294+/-0.009 χ^2/NDF: 3162691.0/83

- sign 91.891+/-0.013 χ^2/NDF: 1798589.7/42



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

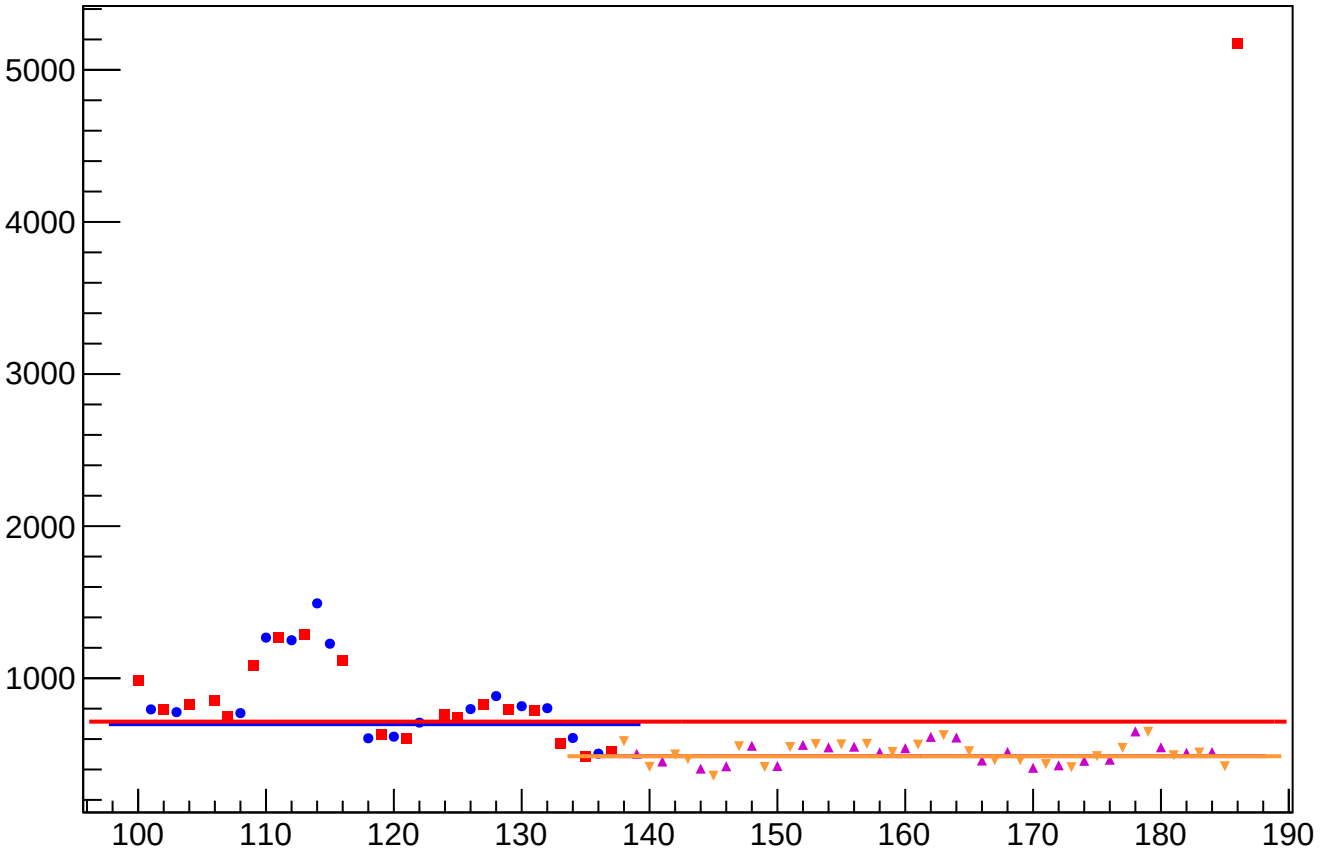
Right Out: 314.883+/-270.687 χ^2/NDF: 18.6/19

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 335.366+/-103.638 χ^2/NDF: 48.2/40

All: 222.894+/-74.162 χ^2/NDF: 97.5/83

- sign 104.859+/-106.170 χ^2/NDF: 46.9/42



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 714.626+/-0.191 χ^2/NDF: 1620690.5/19

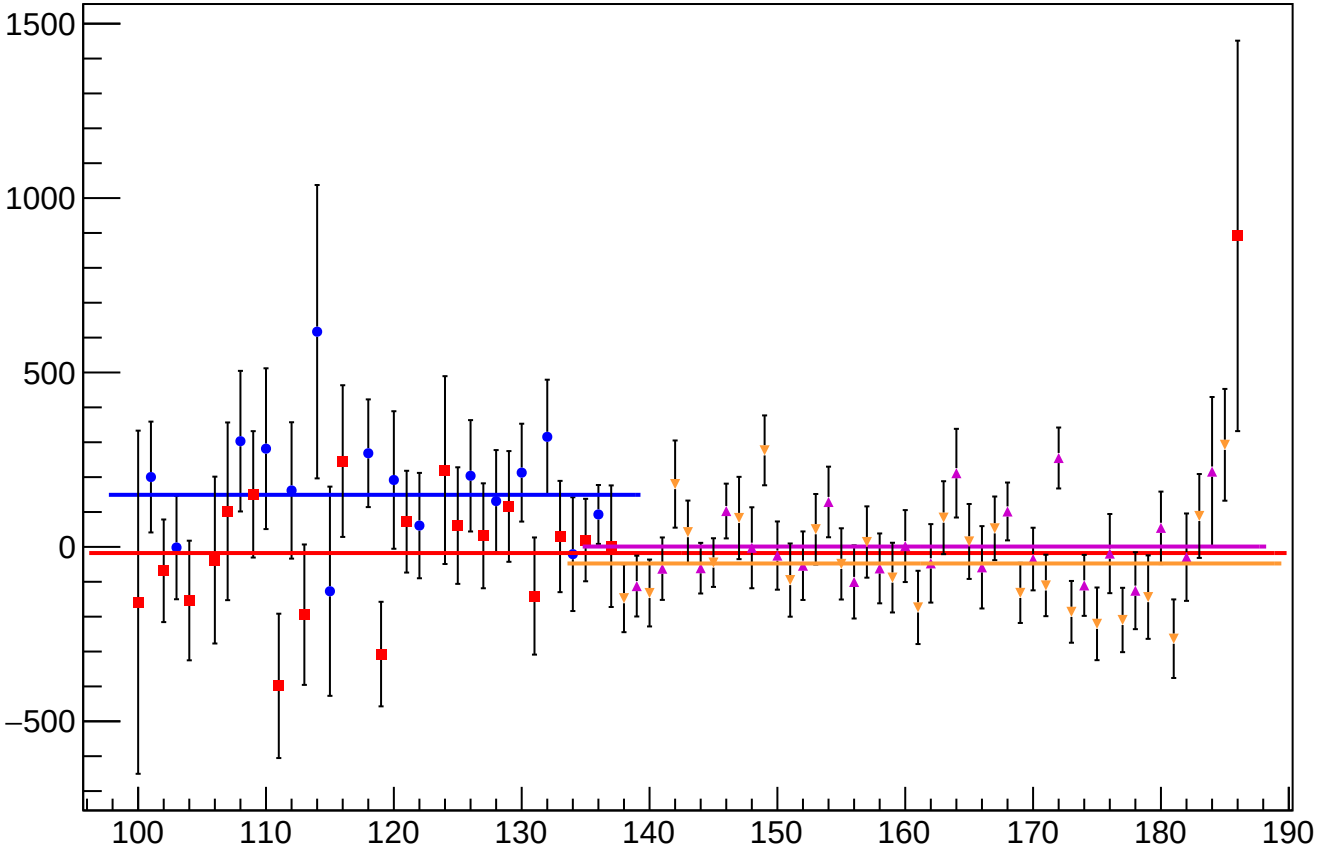
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 518.487+/-0.073 χ^2/NDF: 2784243.5/40

All: 520.594+/-0.052 χ^2/NDF: 6227853.0/83

- sign 522.805+/-0.075 χ^2/NDF: 3441915.5/42

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -17.624+/-40.020 χ^2/NDF: 16.9/19

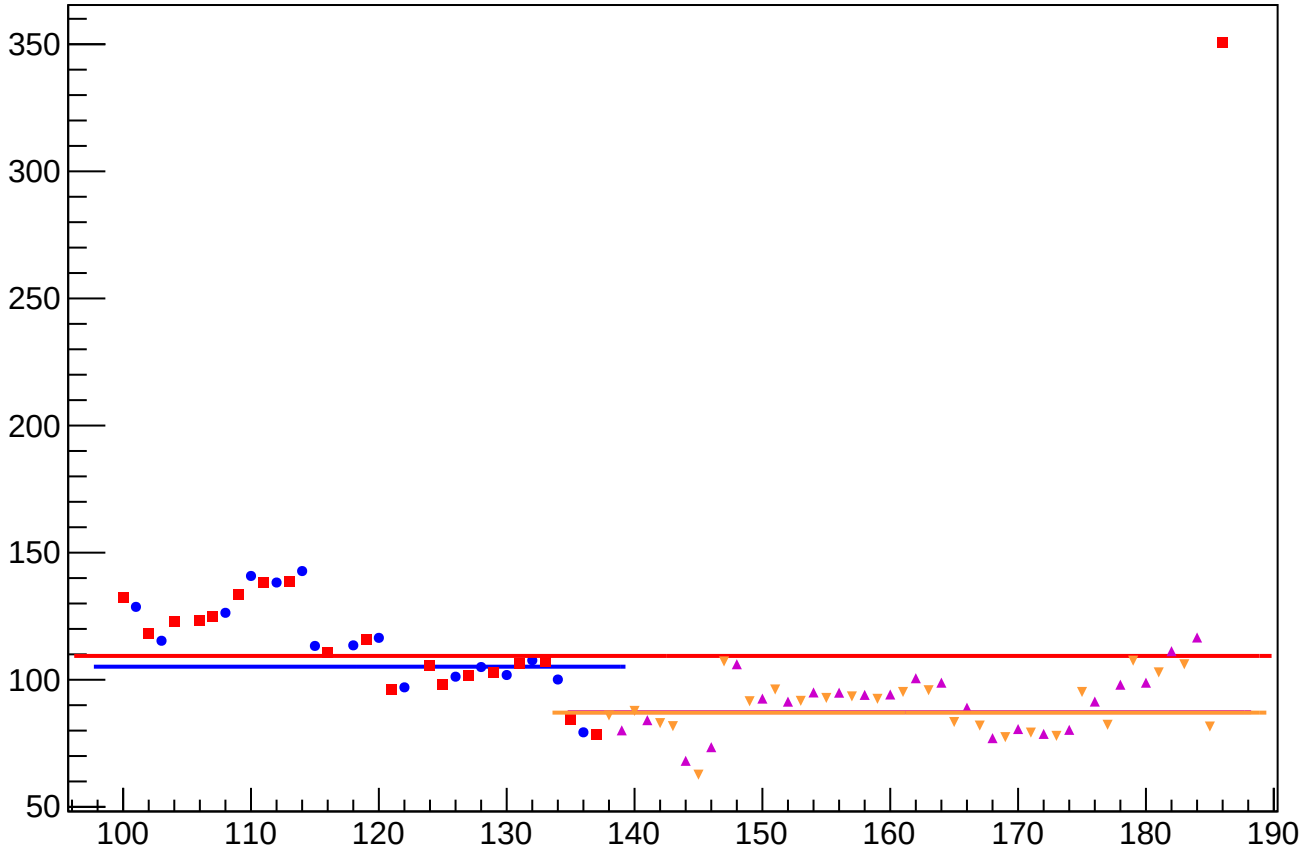
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.724+/-17.848 χ^2/NDF: 71.6/40

All: -5.380+/-12.784 χ^2/NDF: 114.1/83

- sign -2.912+/-18.319 χ^2/NDF: 42.5/42

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

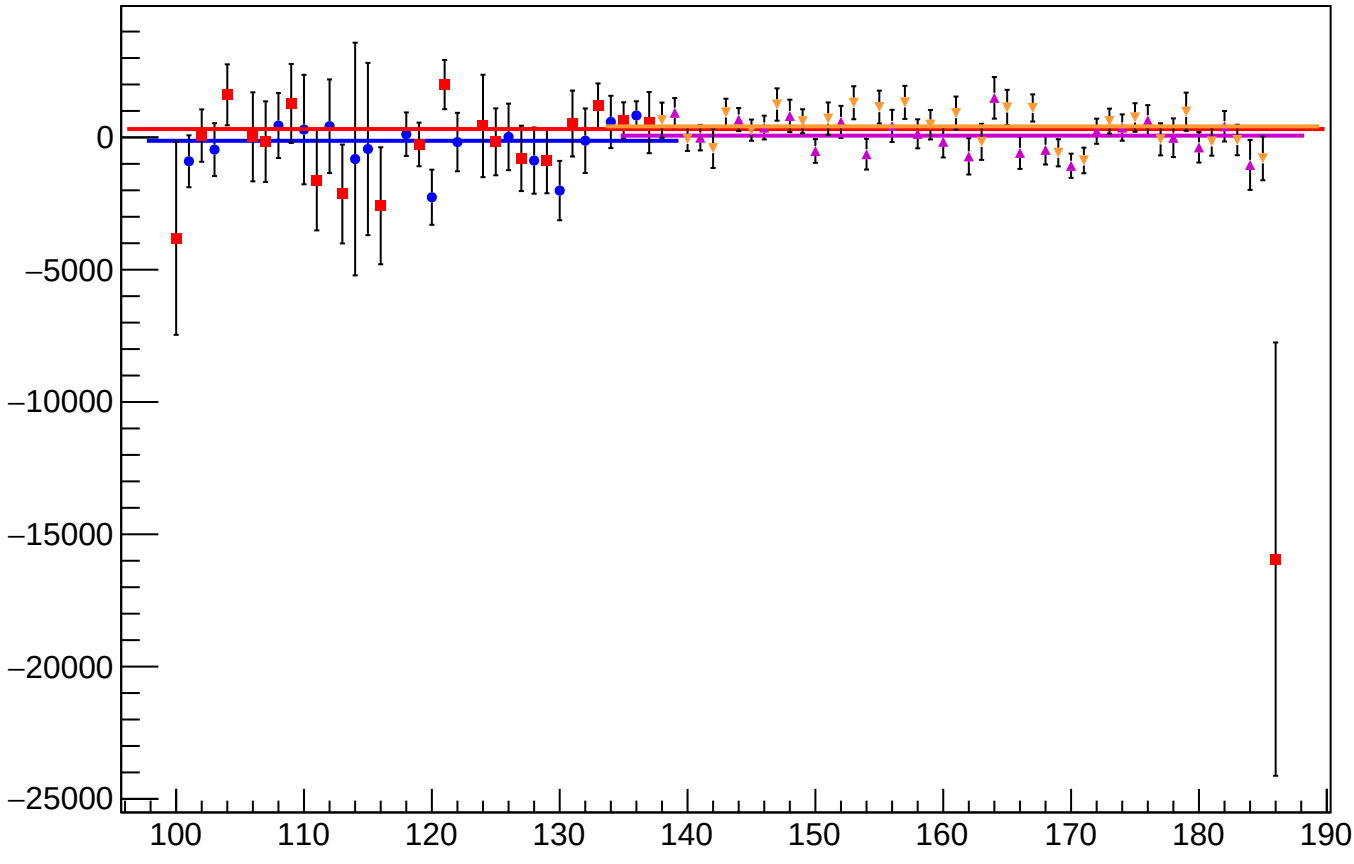
Right Out: 109.376+/-0.028 χ^2/NDF: 719818.7/19

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.727+/-0.013 χ^2/NDF: 1359959.8/40

All: 91.294+/-0.009 χ^2/NDF: 3162691.0/83

- sign 91.891+/-0.013 χ^2/NDF: 1798589.7/42



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

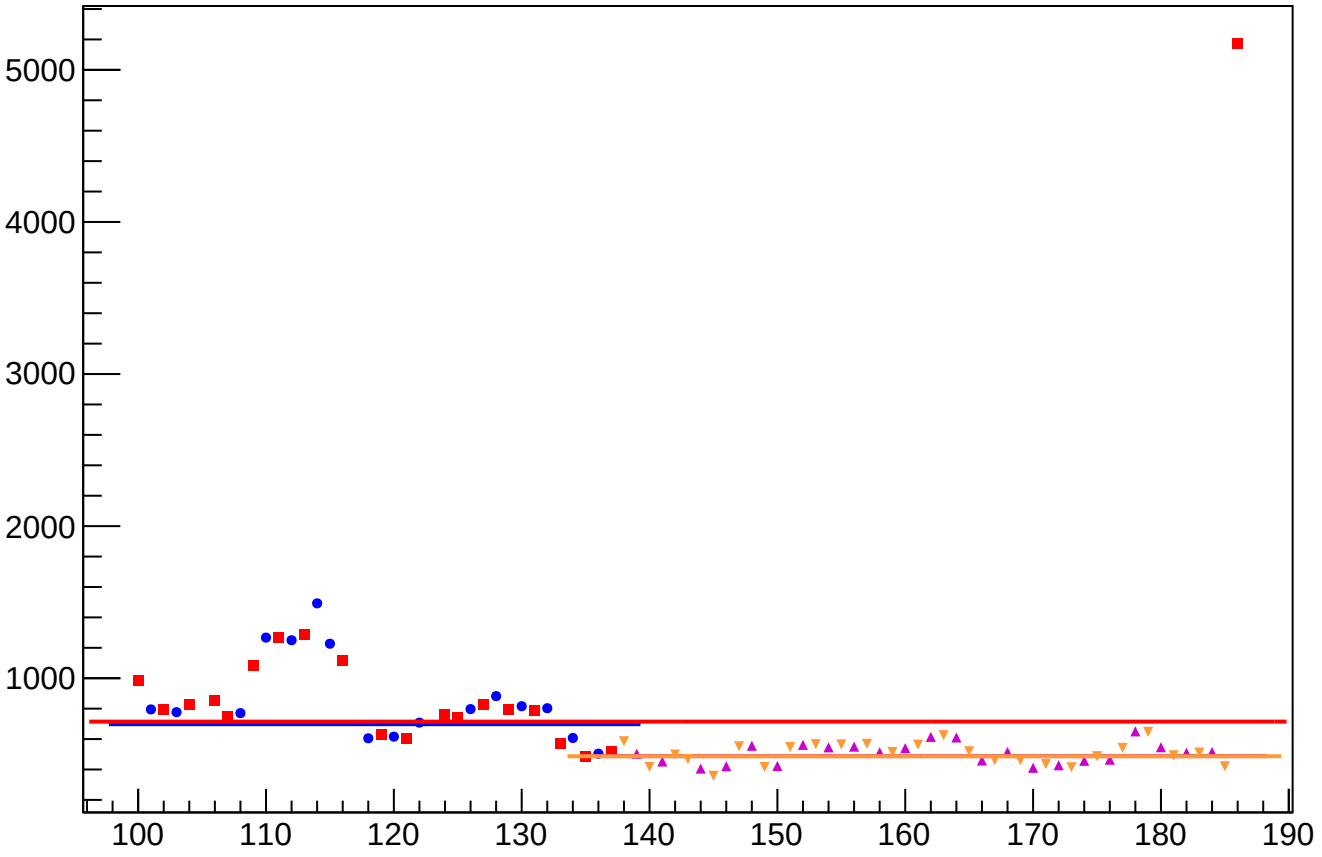
Right Out: 314.883+/-270.687 χ^2/NDF: 18.6/19

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 335.366+/-103.638 χ^2/NDF: 48.2/40

All: 222.894+/-74.162 χ^2/NDF: 97.5/83

- sign 104.859+/-106.170 χ^2/NDF: 46.9/42



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 714.626+/-0.191 χ^2/NDF: 1620690.5/19

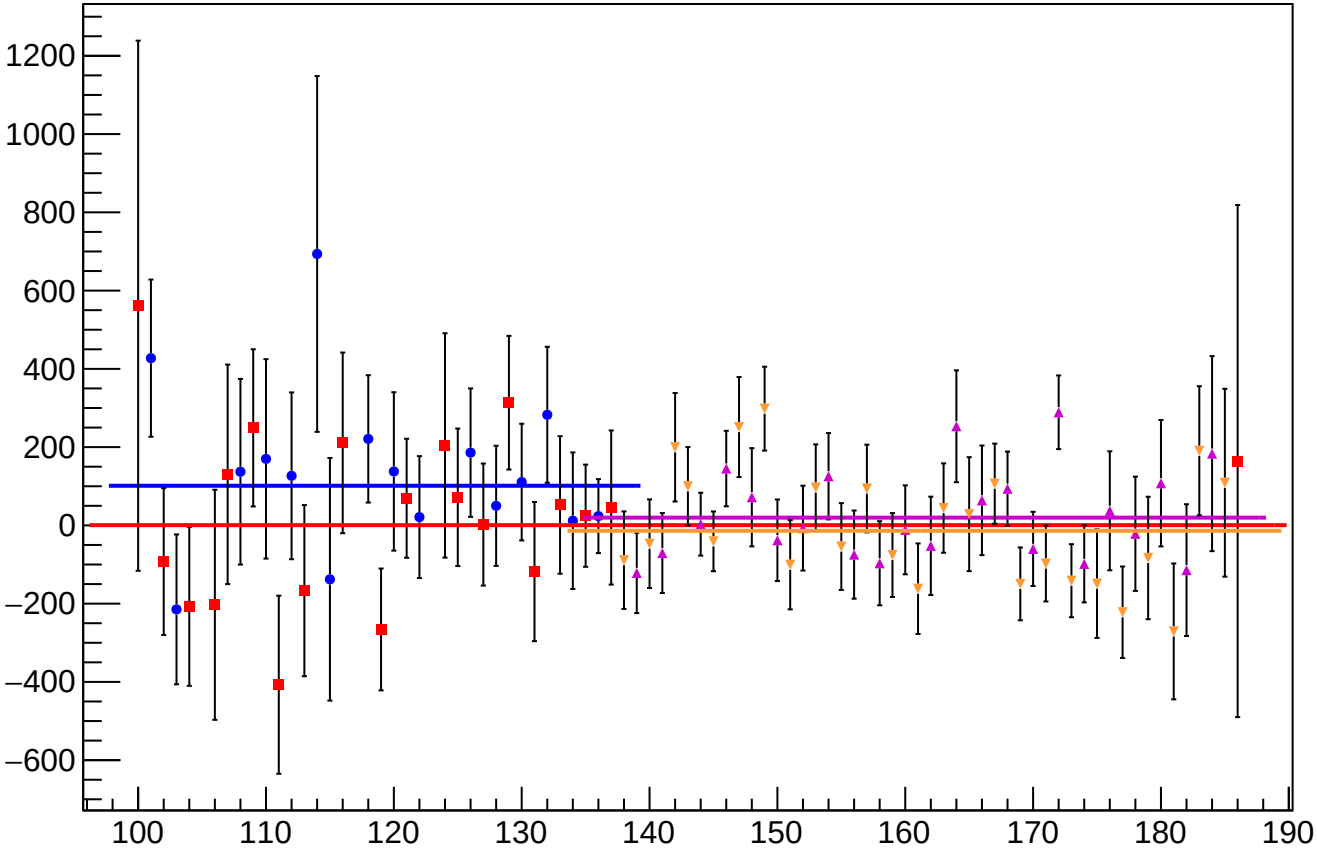
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 518.487+/-0.073 χ^2/NDF: 2784243.5/40

All: 520.594+/-0.052 χ^2/NDF: 6227853.0/83

- sign 522.805+/-0.075 χ^2/NDF: 3441915.5/42

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 0.616+/-43.935 χ^2/NDF: 16.7/19

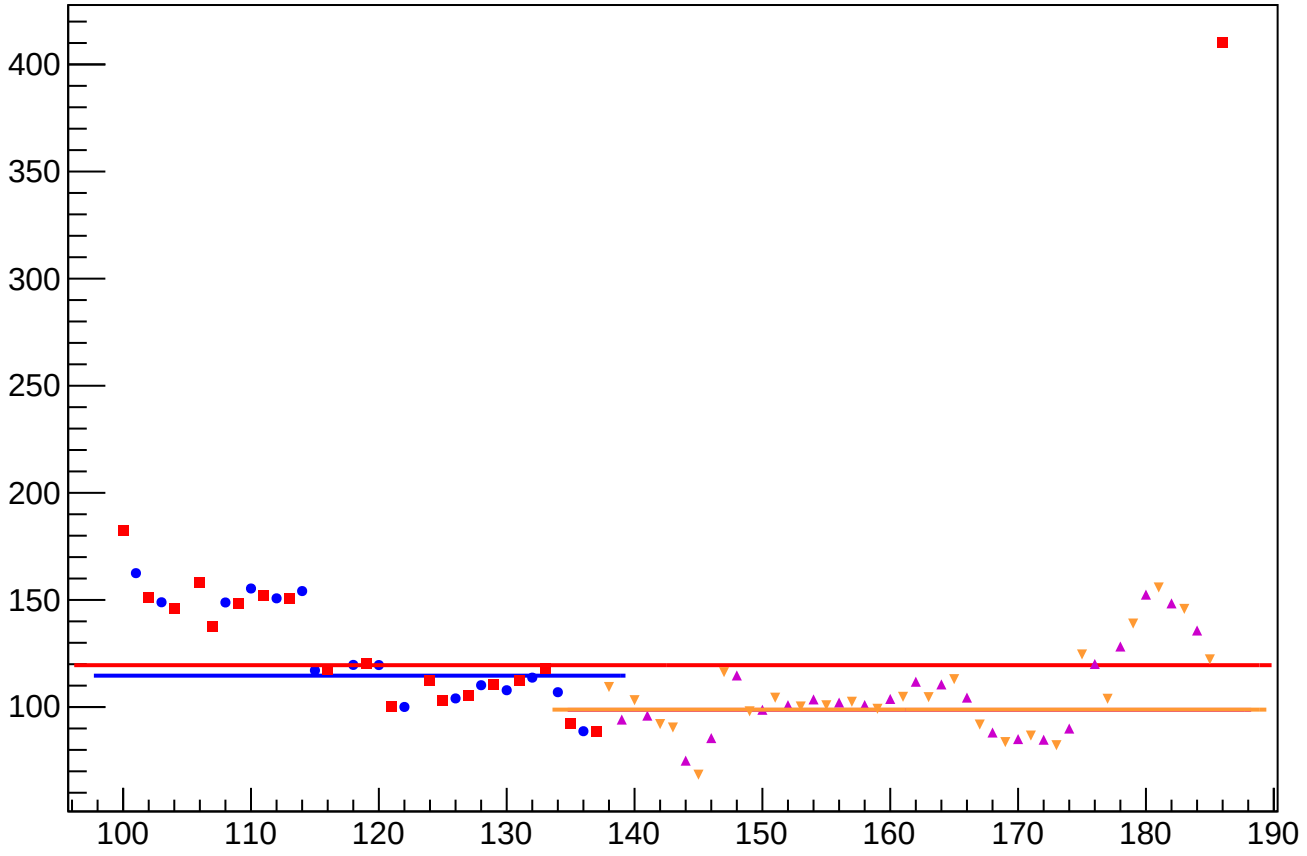
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 11.110+/-20.276 χ^2/NDF: 52.9/40

All: 13.260+/-14.509 χ^2/NDF: 93.0/83

- sign 15.516+/-20.771 χ^2/NDF: 40.1/42

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

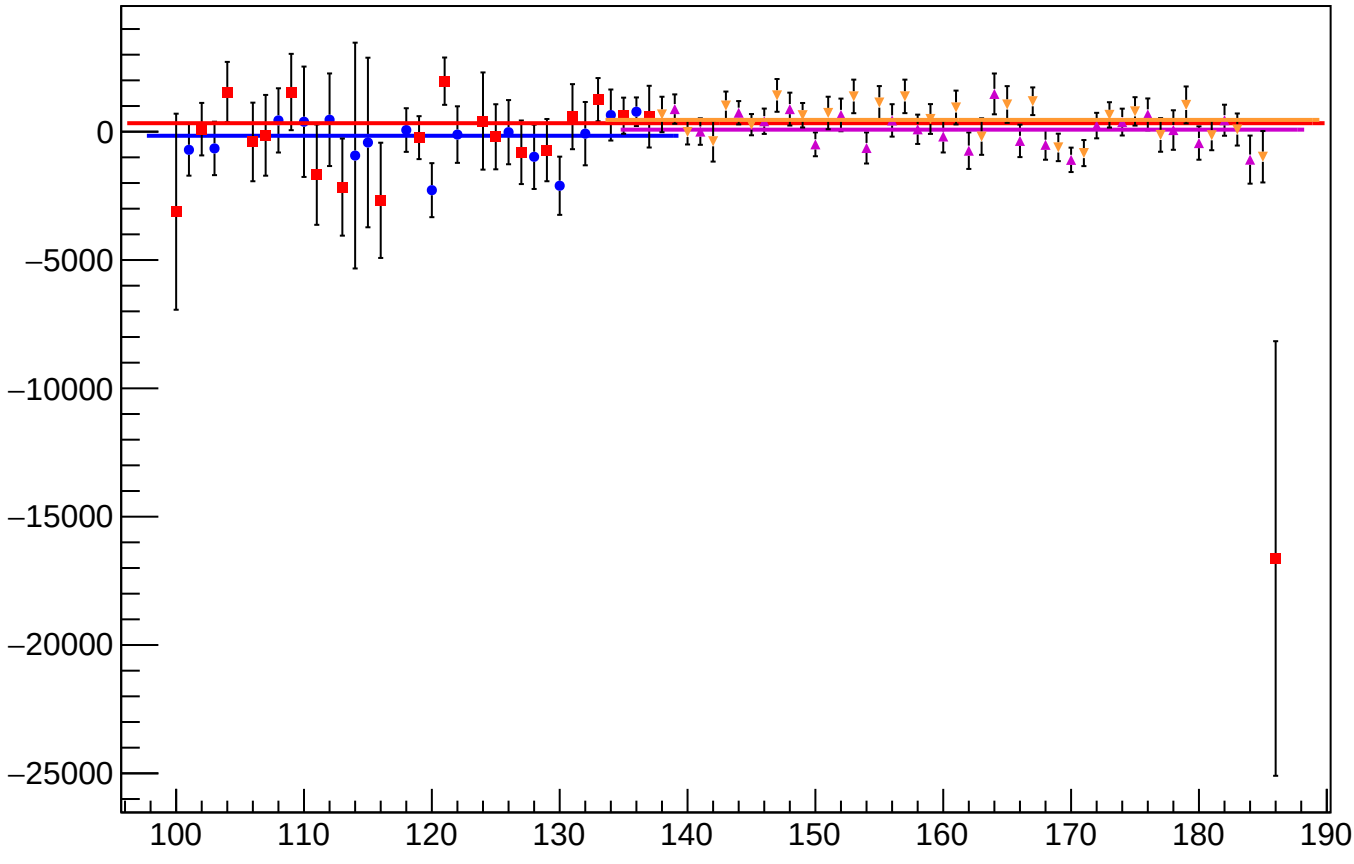
Right Out: 119.547+/-0.031 χ^2/NDF: 879717.2/19

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.242+/-0.014 χ^2/NDF: 1925709.8/40

All: 102.777+/-0.010 χ^2/NDF: 4146643.4/83

- sign 103.338+/-0.015 χ^2/NDF: 2218081.7/42



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 330.817+/-273.453 χ^2/NDF: 18.3/19

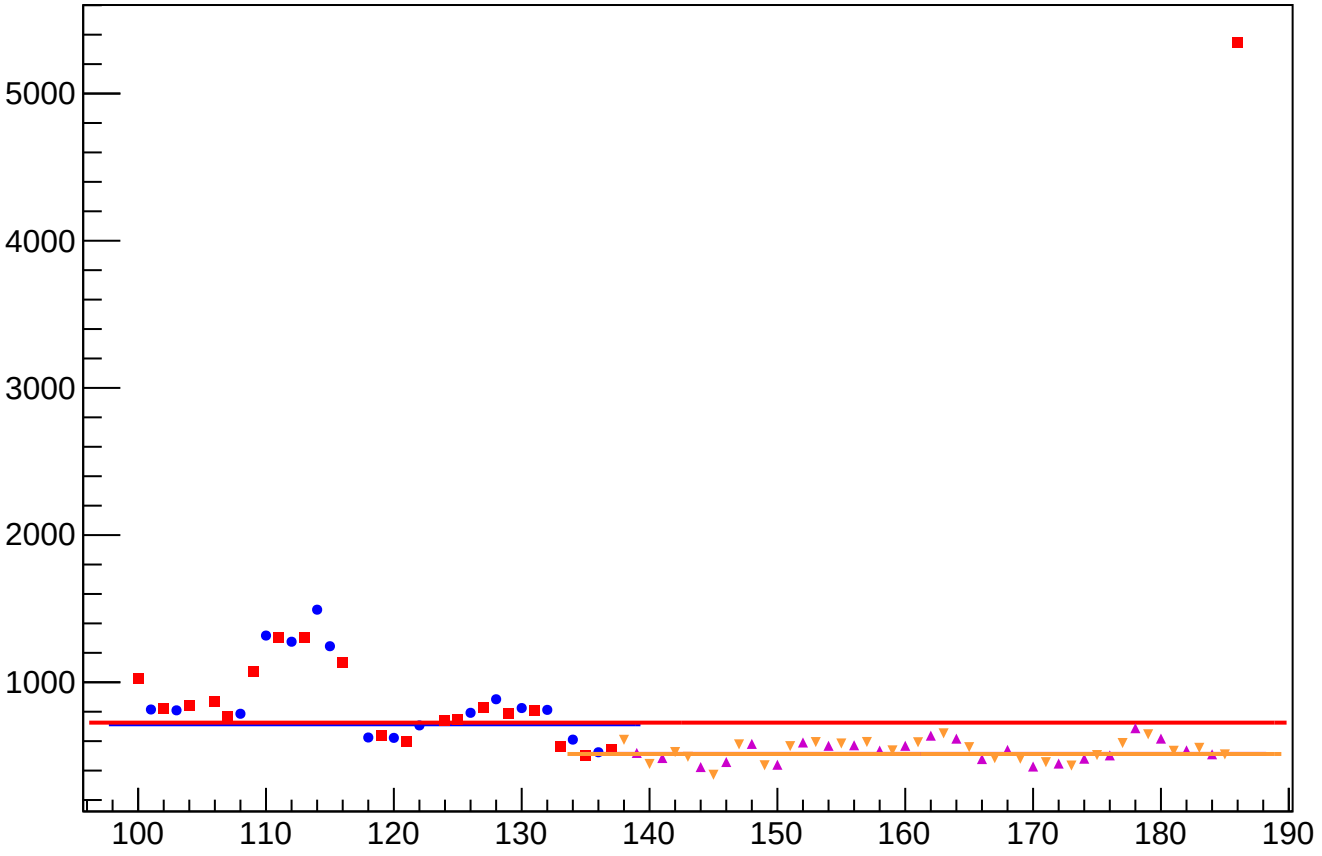
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 362.554+/-108.498 χ^2/NDF: 47.0/40

All: 244.175+/-77.584 χ^2/NDF: 94.7/83

- sign 120.306+/-110.985 χ^2/NDF: 45.3/42

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 725.710+/-0.193 χ^2/NDF: 1614811.1/19

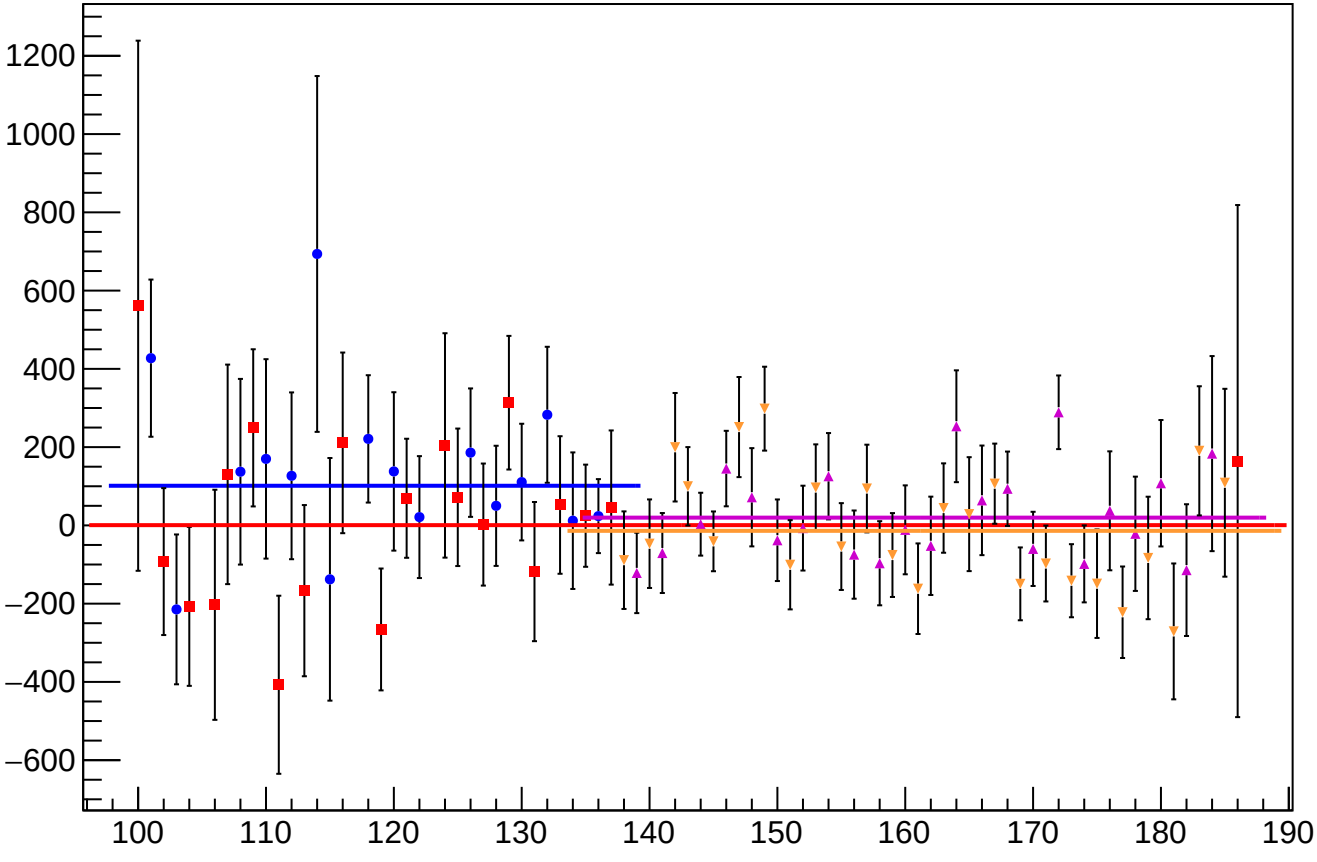
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 544.297+/-0.077 χ^2/NDF: 2588066.9/40

All: 546.279+/-0.055 χ^2/NDF: 5845500.1/83

- sign 548.352+/-0.078 χ^2/NDF: 3256068.2/42

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 0.617+/-43.935 χ^2/NDF: 16.7/19

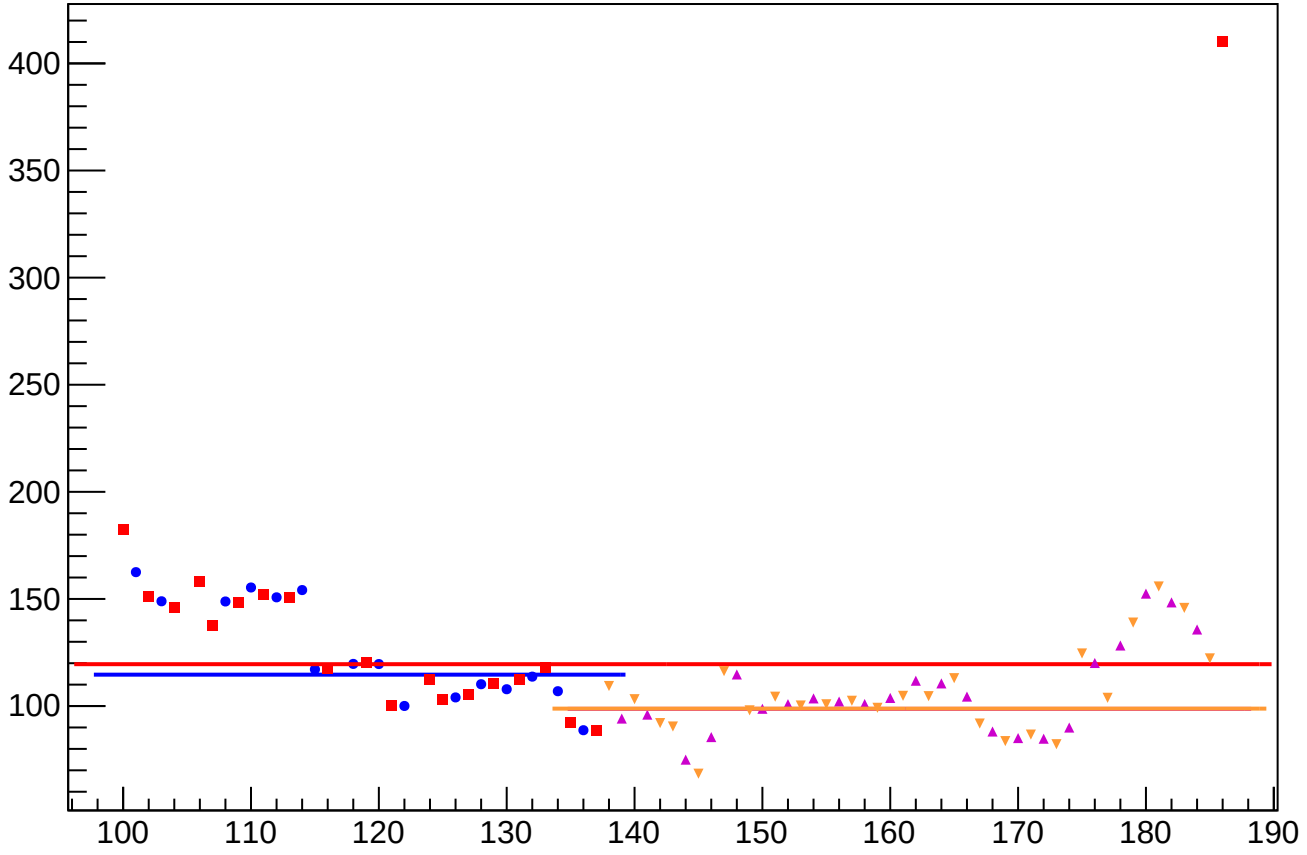
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 11.108+/-20.276 χ^2/NDF: 52.9/40

All: 13.259+/-14.509 χ^2/NDF: 93.0/83

- sign 15.517+/-20.771 χ^2/NDF: 40.1/42

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

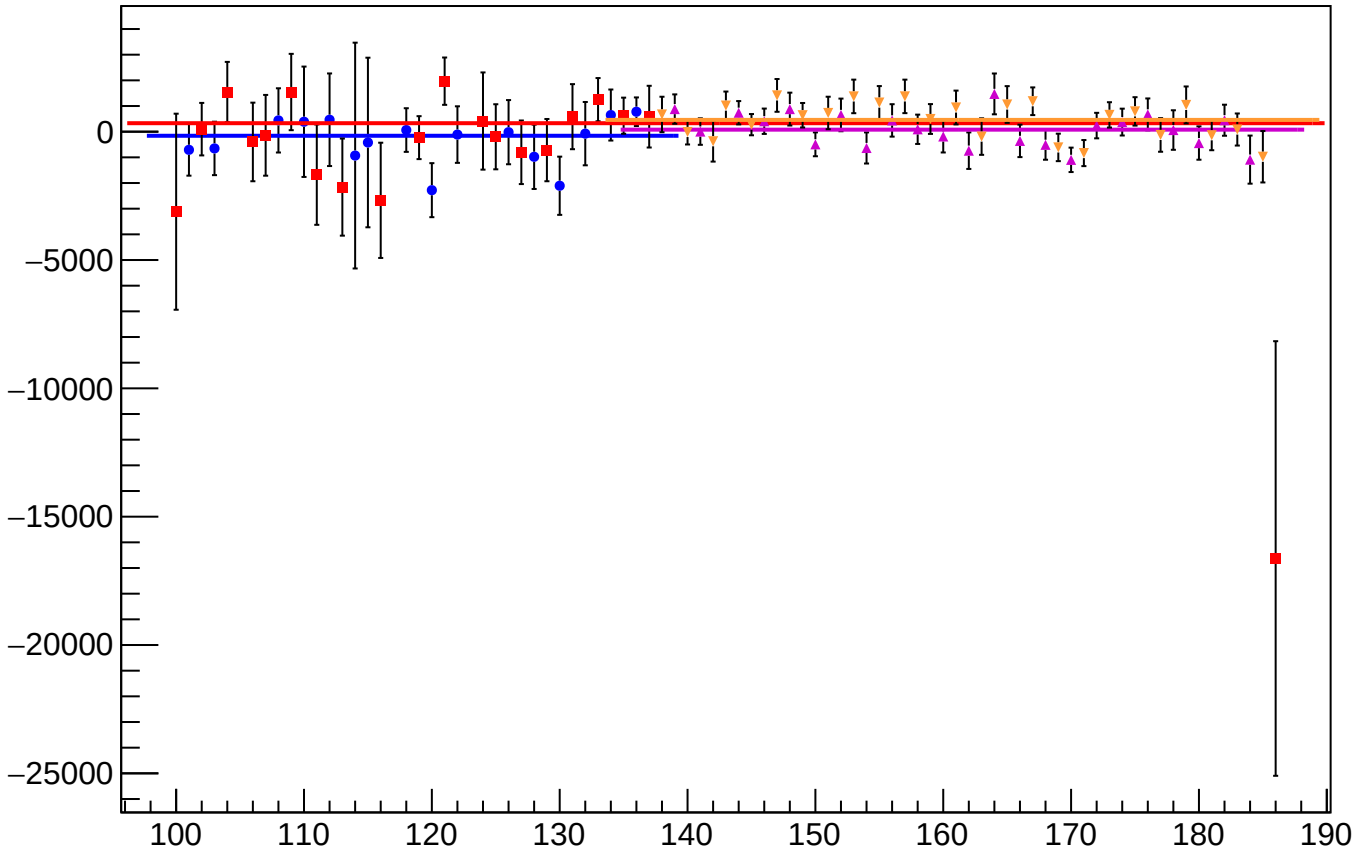
Right Out: 119.547+/-0.031 χ^2/NDF: 879705.4/19

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.242+/-0.014 χ^2/NDF: 1925705.8/40

All: 102.777+/-0.010 χ^2/NDF: 4146619.4/83

- sign 103.338+/-0.015 χ^2/NDF: 2218061.7/42



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

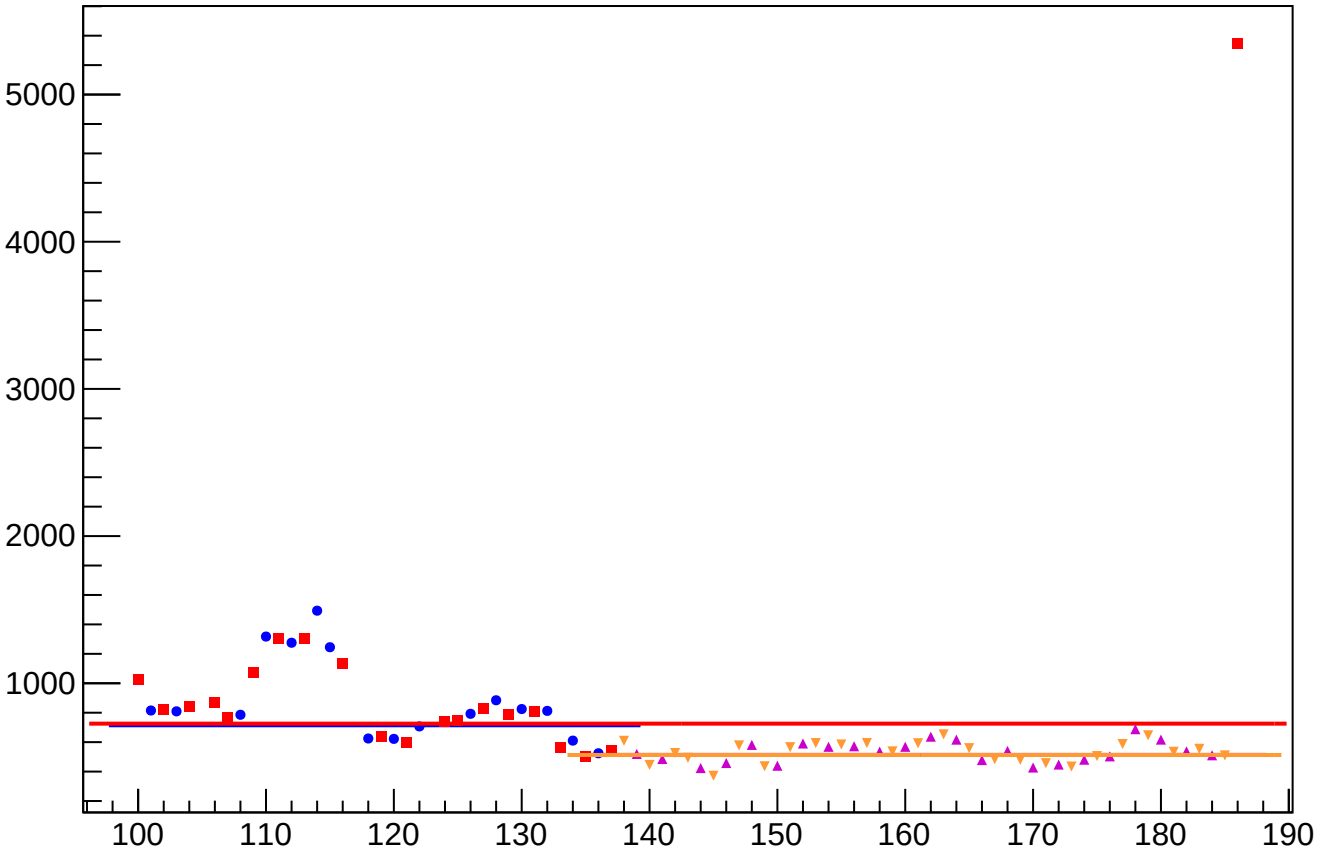
Right Out: 330.817+/-273.452 χ^2/NDF: 18.3/19

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

\+ sign 362.552+/-108.498 χ^2/NDF: 47.0/40

All: 244.174+/-77.584 χ^2/NDF: 94.7/83

\- sign 120.306+/-110.985 χ^2/NDF: 45.3/42



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 725.710+/-0.193 χ^2/NDF: 1614804.5/19

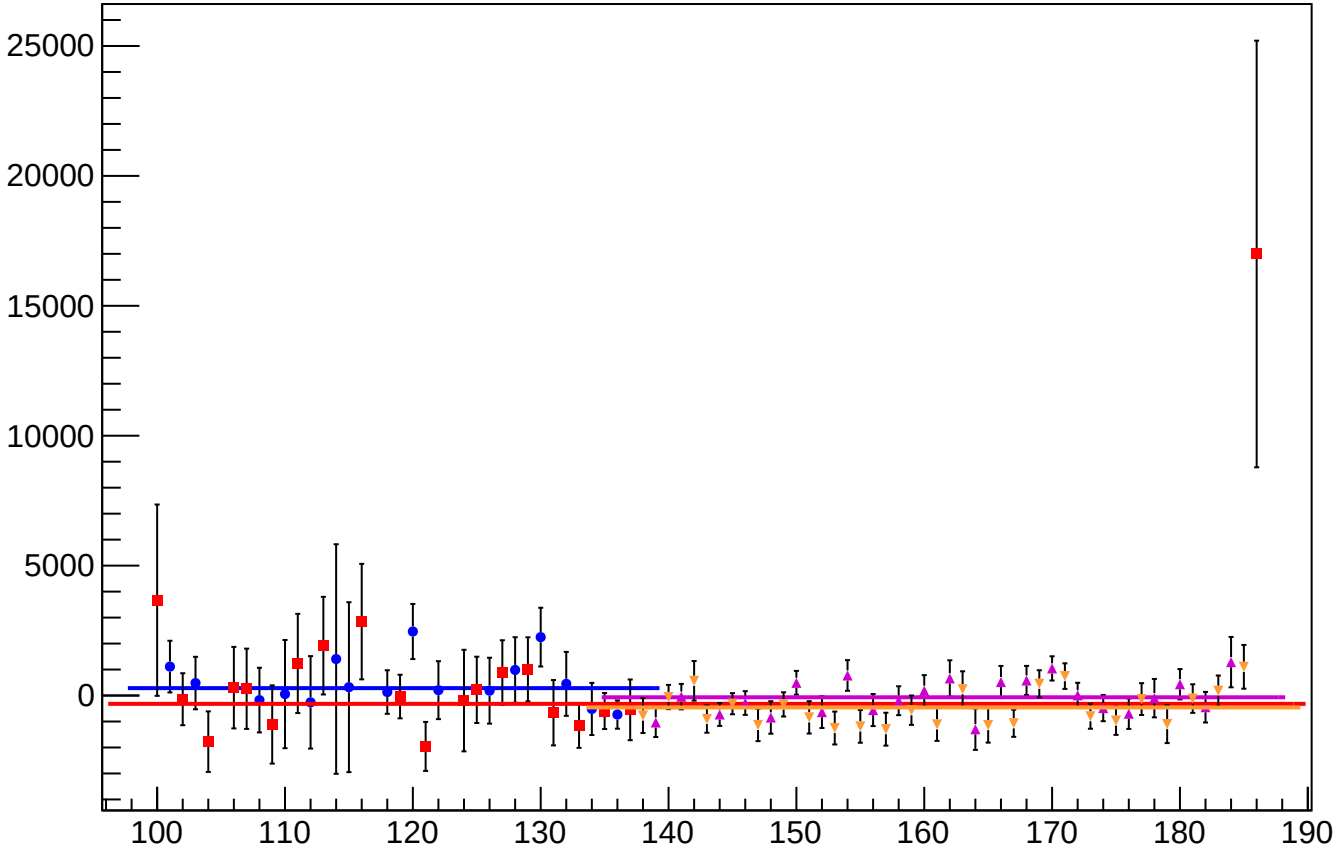
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 544.297+/-0.077 χ^2/NDF: 2588063.7/40

All: 546.278+/-0.055 χ^2/NDF: 5845488.0/83

- sign 548.352+/-0.078 χ^2/NDF: 3256059.4/42

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -320.791+/-273.450 χ^2/NDF: 18.5/19

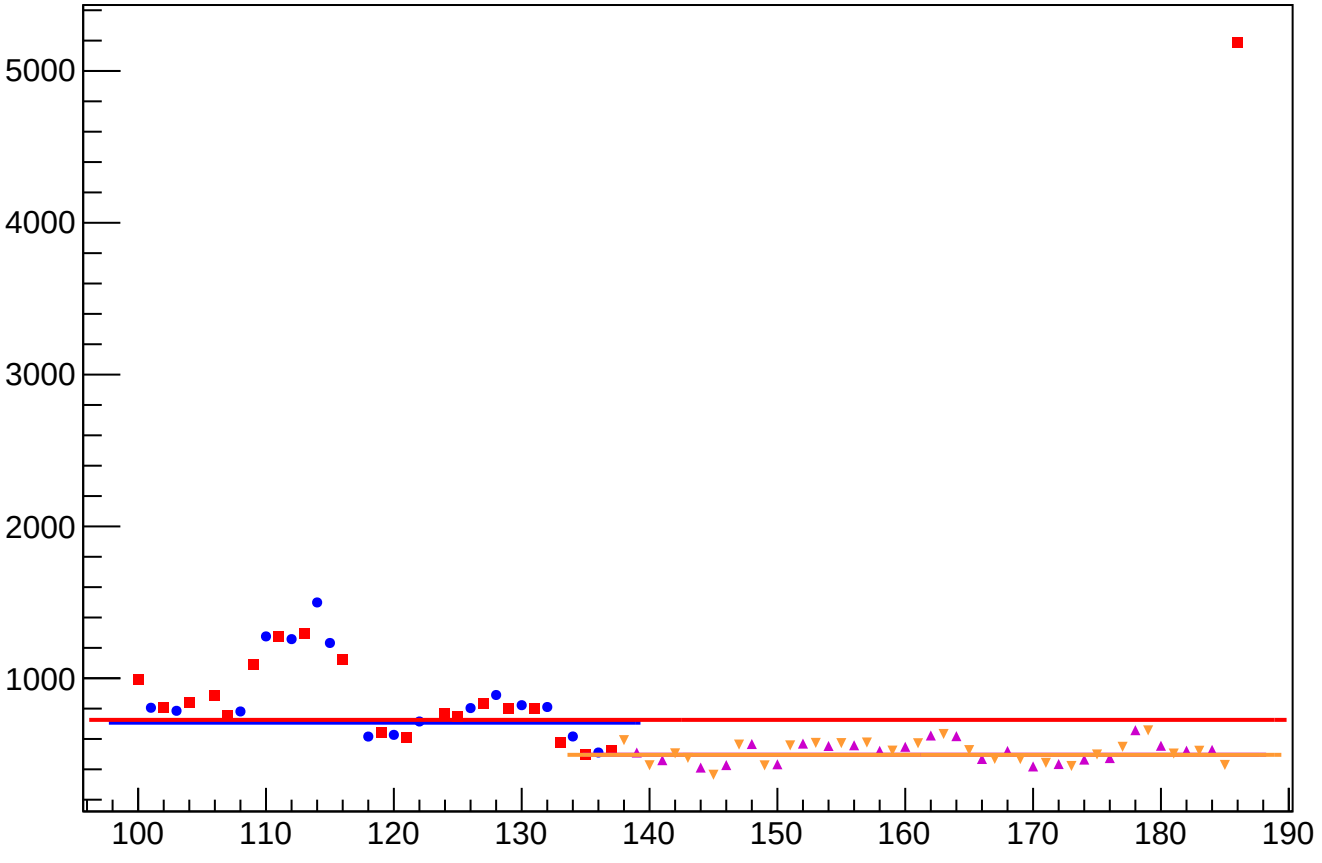
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -348.177+/-105.318 χ^2/NDF: 50.0/40

All: -230.630+/-75.351 χ^2/NDF: 100.4/83

- sign -107.361+/-107.852 χ^2/NDF: 47.8/42

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

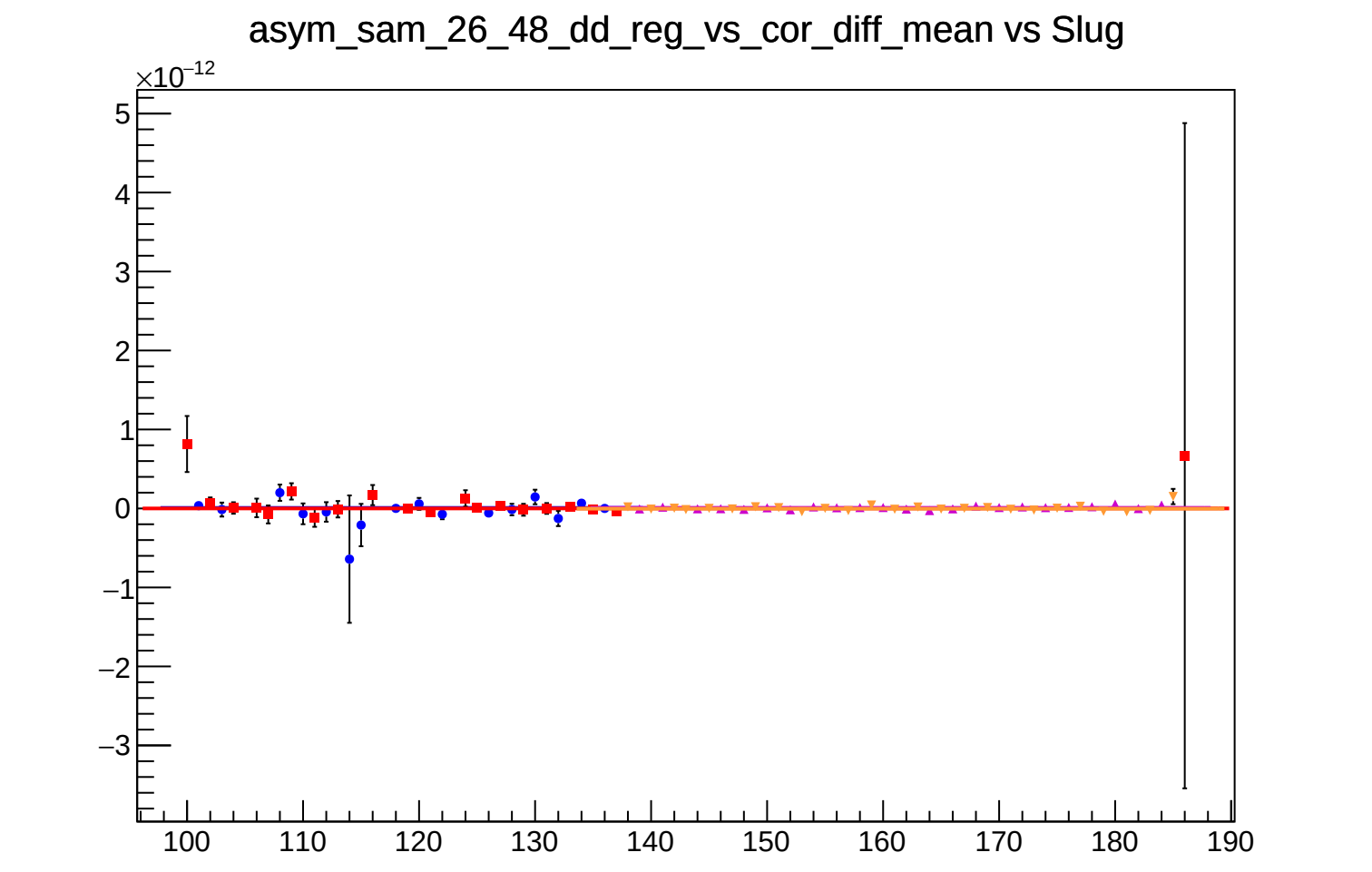
Right Out: 725.732+/-0.193 χ^2/NDF: 1606459.8/19

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 527.265+/-0.074 χ^2/NDF: 2731544.6/40

All: 529.575+/-0.053 χ^2/NDF: 6151171.4/83

- sign 531.997+/-0.076 χ^2/NDF: 3417656.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

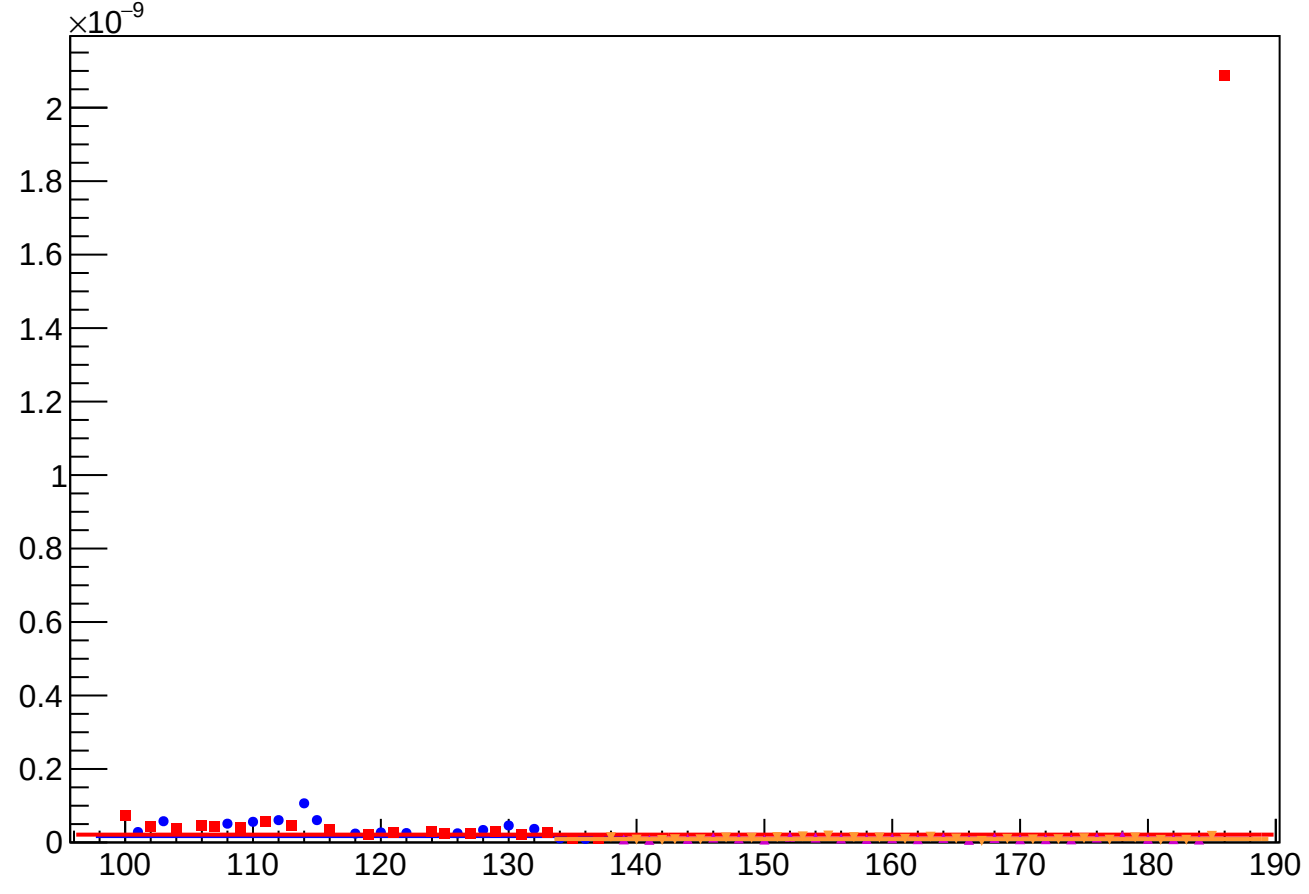
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/19

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.1/40

All: 0.000+/-0.000 χ^2/NDF: 79.9/83

- sign 0.000+/-0.000 χ^2/NDF: 33.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2152575.8/19

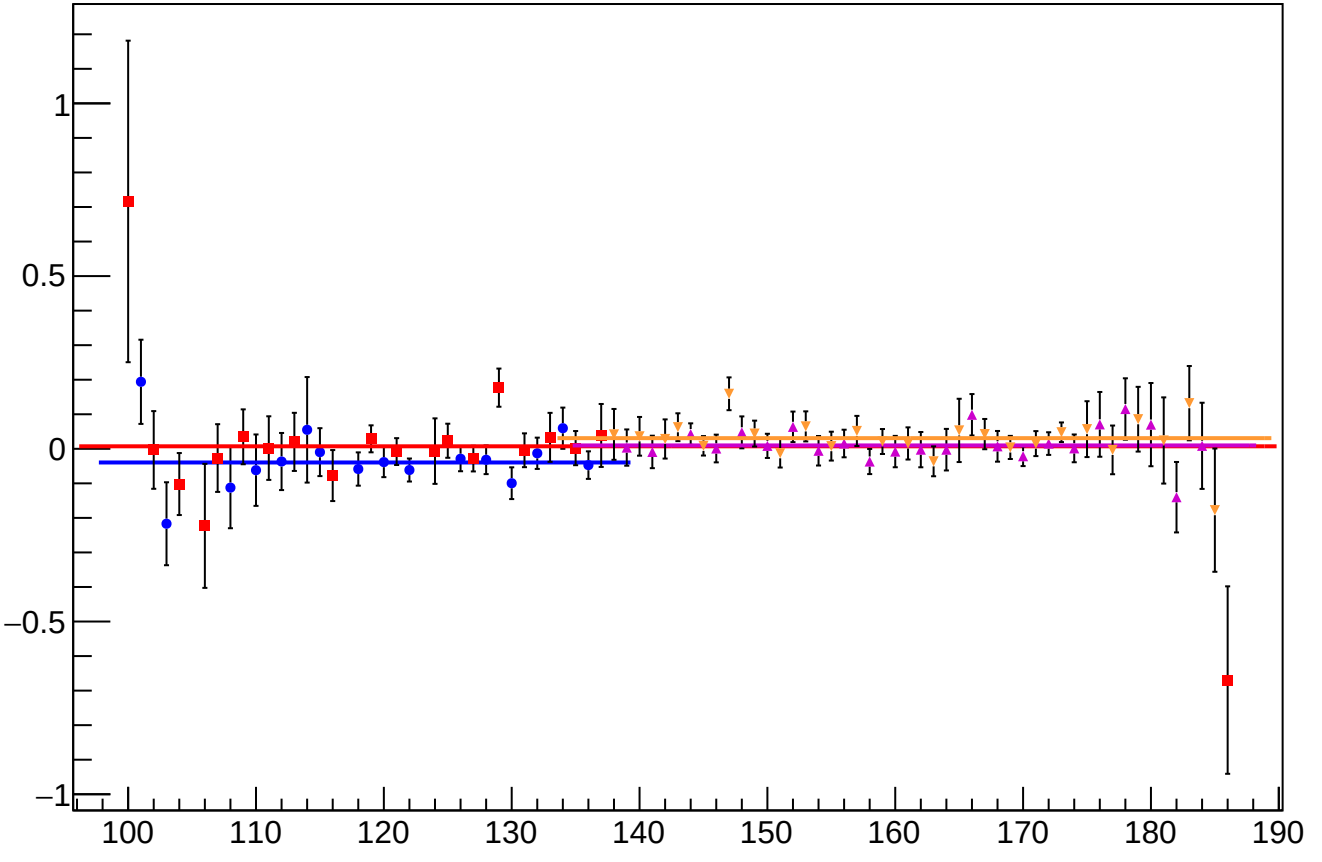
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5108776.4/40

All: 0.000+/-0.000 χ^2/NDF: 9284640.6/83

- 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: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.007+/-0.014 χ^2/NDF: 24.5/19

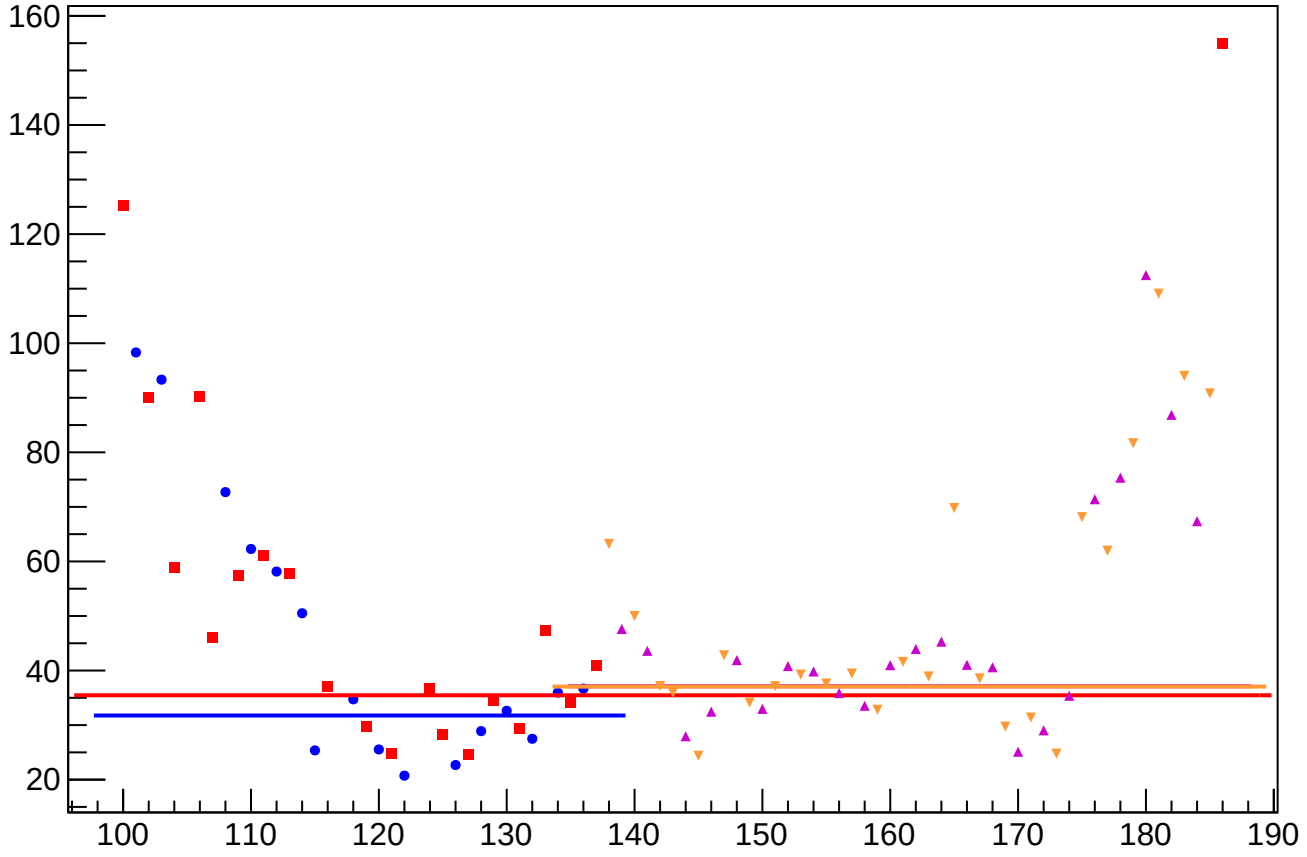
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.6/40

All: 0.008+/-0.005 χ^2/NDF: 87.4/83

- 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: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

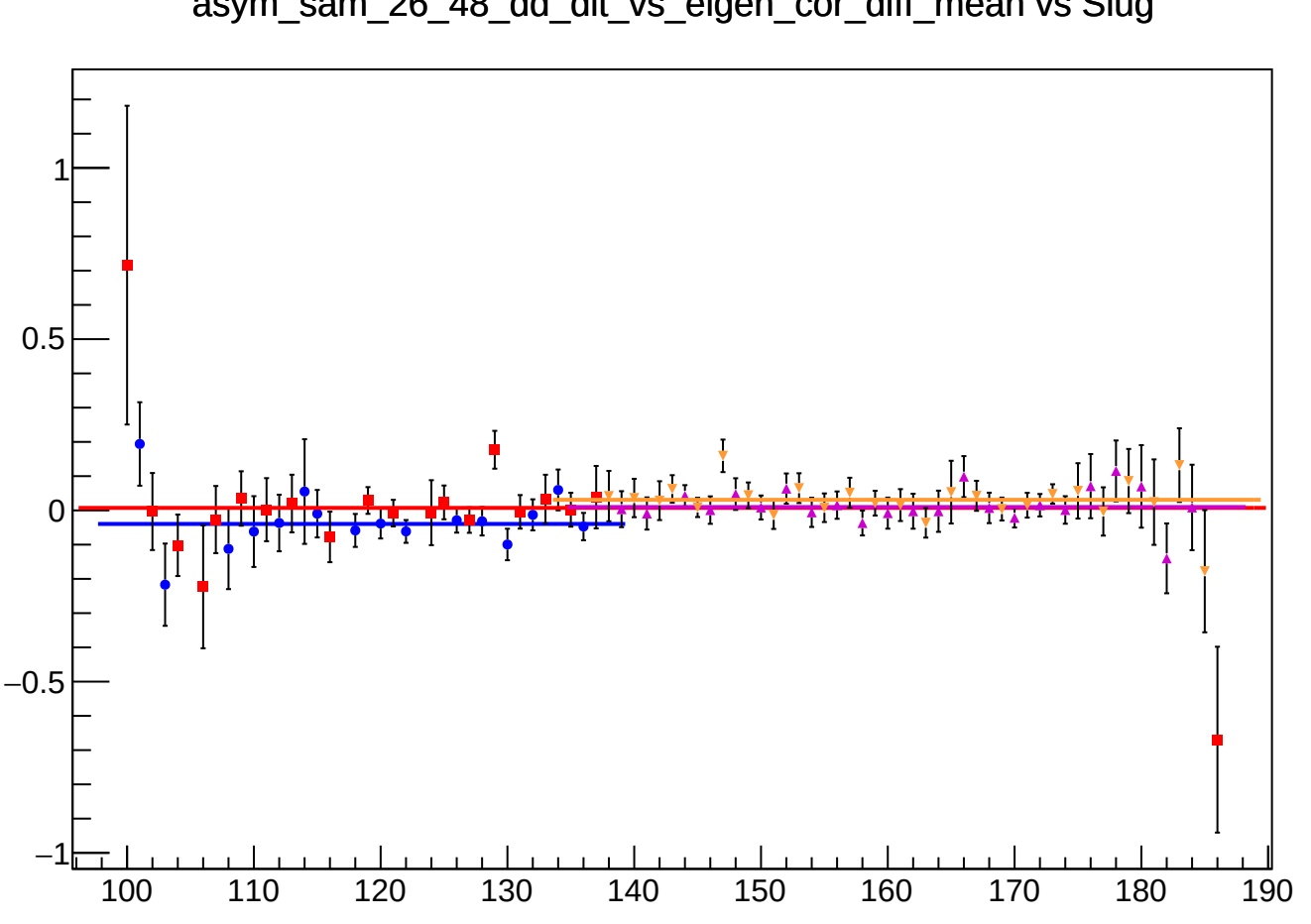
Right Out: 35.465+/-0.010 χ^2/NDF: 2233248.9/19

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.336+/-0.005 χ^2/NDF: 6525275.8/40

All: 35.951+/-0.004 χ^2/NDF: 11818578.4/83

- sign 36.620+/-0.006 χ^2/NDF: 5265212.4/42



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

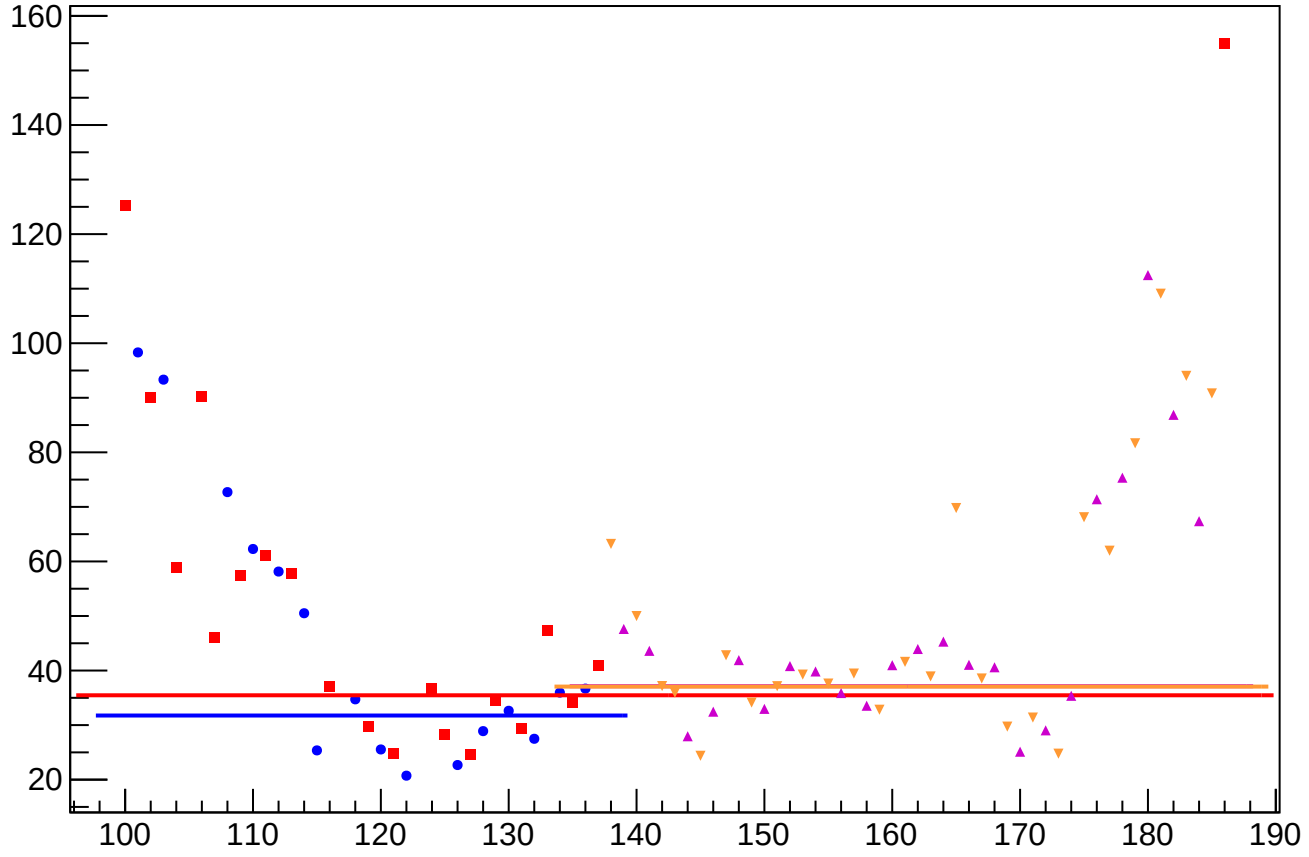
Right Out: 0.007+/-0.014 χ^2/NDF: 24.5/19

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

\+ sign 0.008+/-0.007 χ^2/NDF: 49.6/40

All: 0.008+/-0.005 χ^2/NDF: 87.4/83

\- sign 0.009+/-0.008 χ^2/NDF: 37.8/42



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

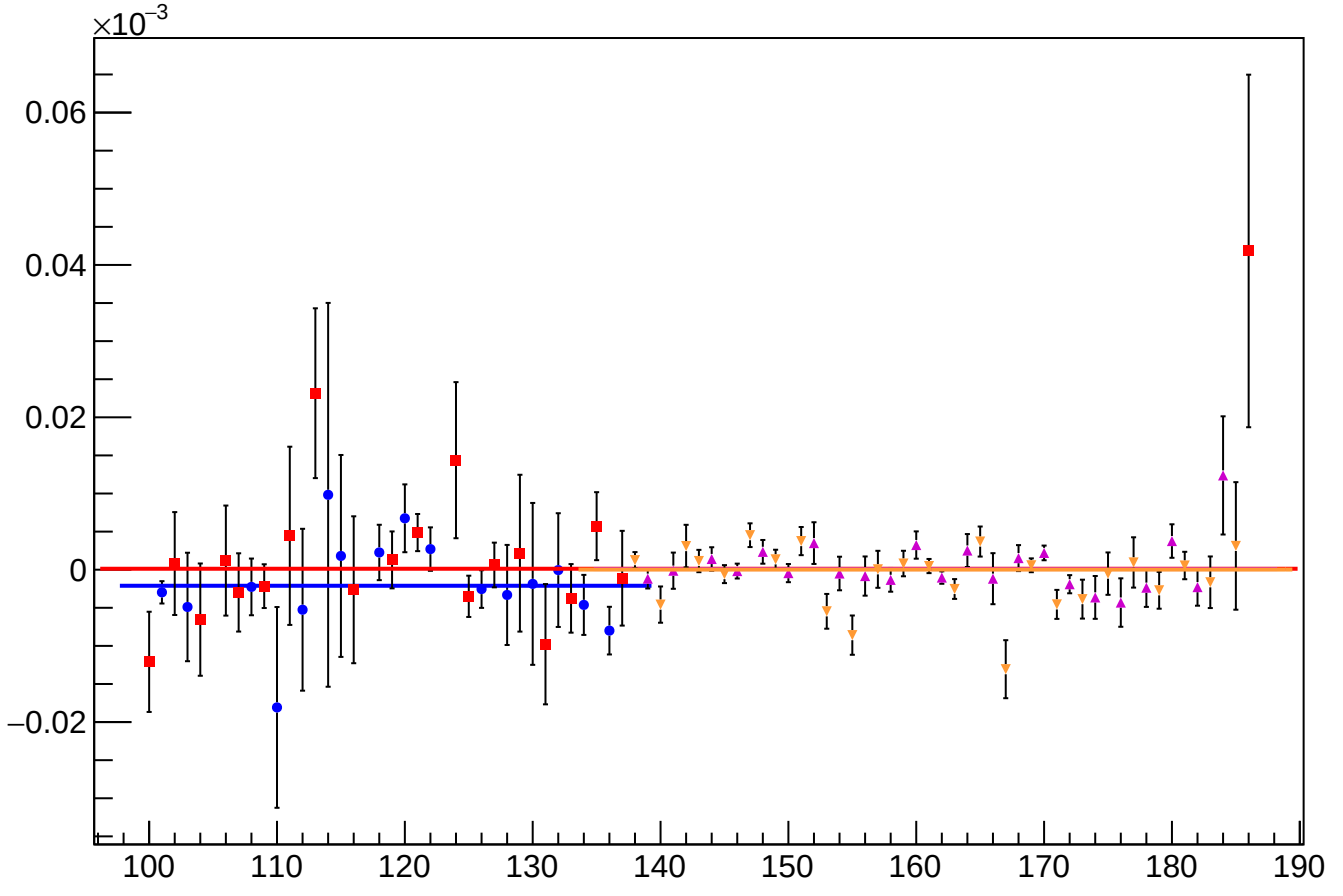
Right Out: 35.465+/-0.010 χ^2/NDF: 2233248.9/19

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.336+/-0.005 χ^2/NDF: 6525275.8/40

All: 35.951+/-0.004 χ^2/NDF: 11818578.4/83

- sign 36.620+/-0.006 χ^2/NDF: 5265212.4/42



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/19

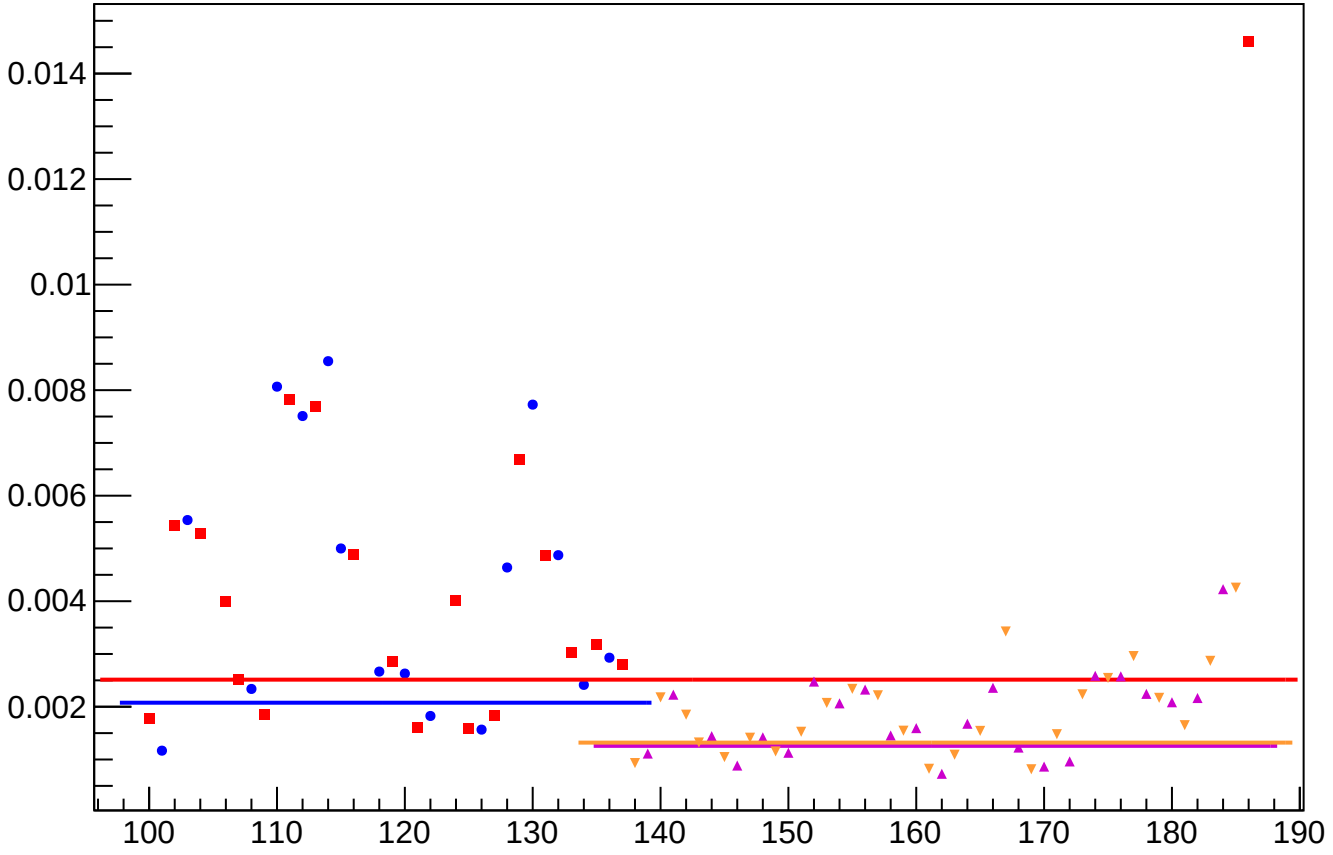
Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.1/40

All: -0.000+/-0.000 χ^2/NDF: 144.5/83

- 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: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

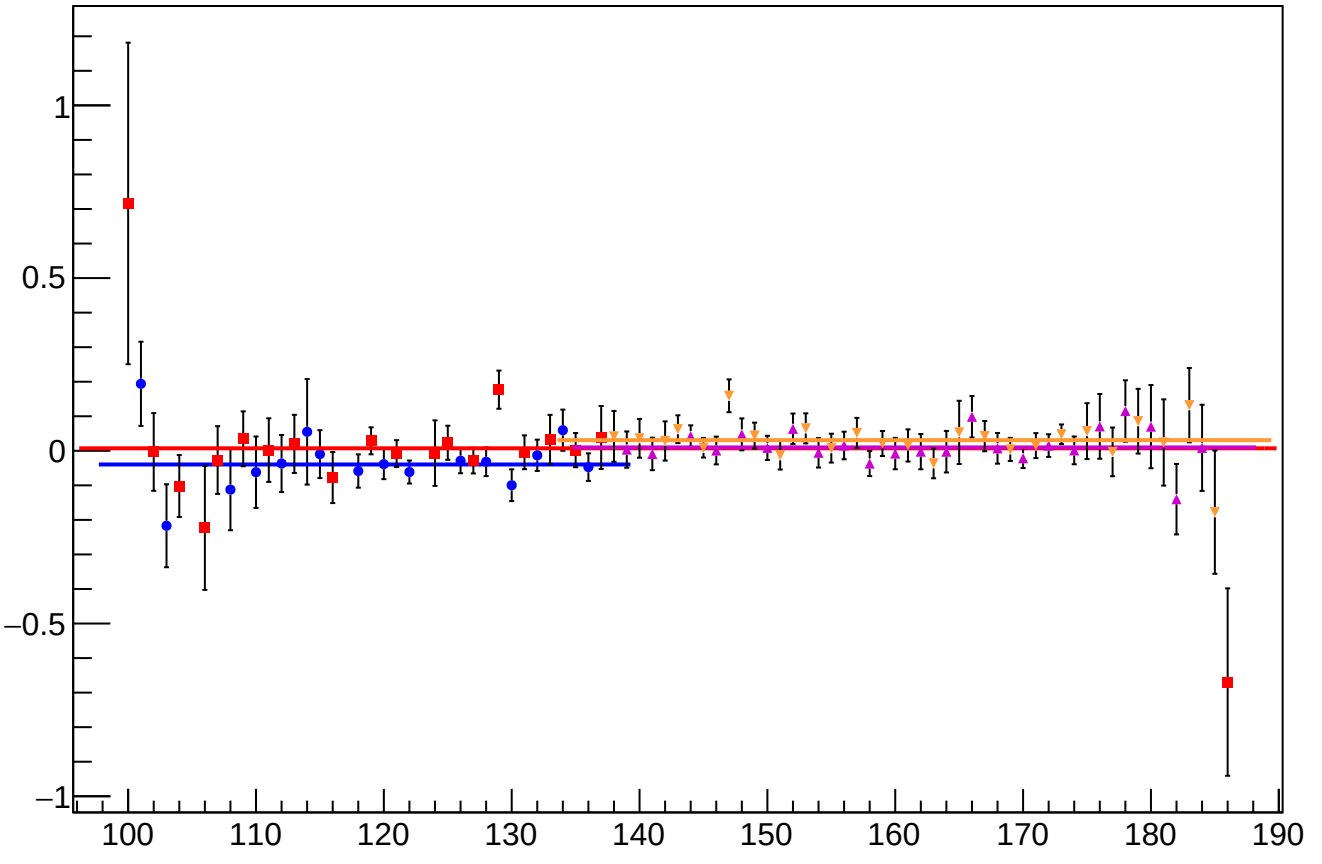
Right Out: 0.003+/-0.000 χ^2/NDF: 3639772.4/19

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 10770239.7/40

All: 0.001+/-0.000 χ^2/NDF: 22435811.6/83

- sign 0.001+/-0.000 χ^2/NDF: 11651676.4/42



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.007+/-0.014 χ^2/NDF: 24.5/19

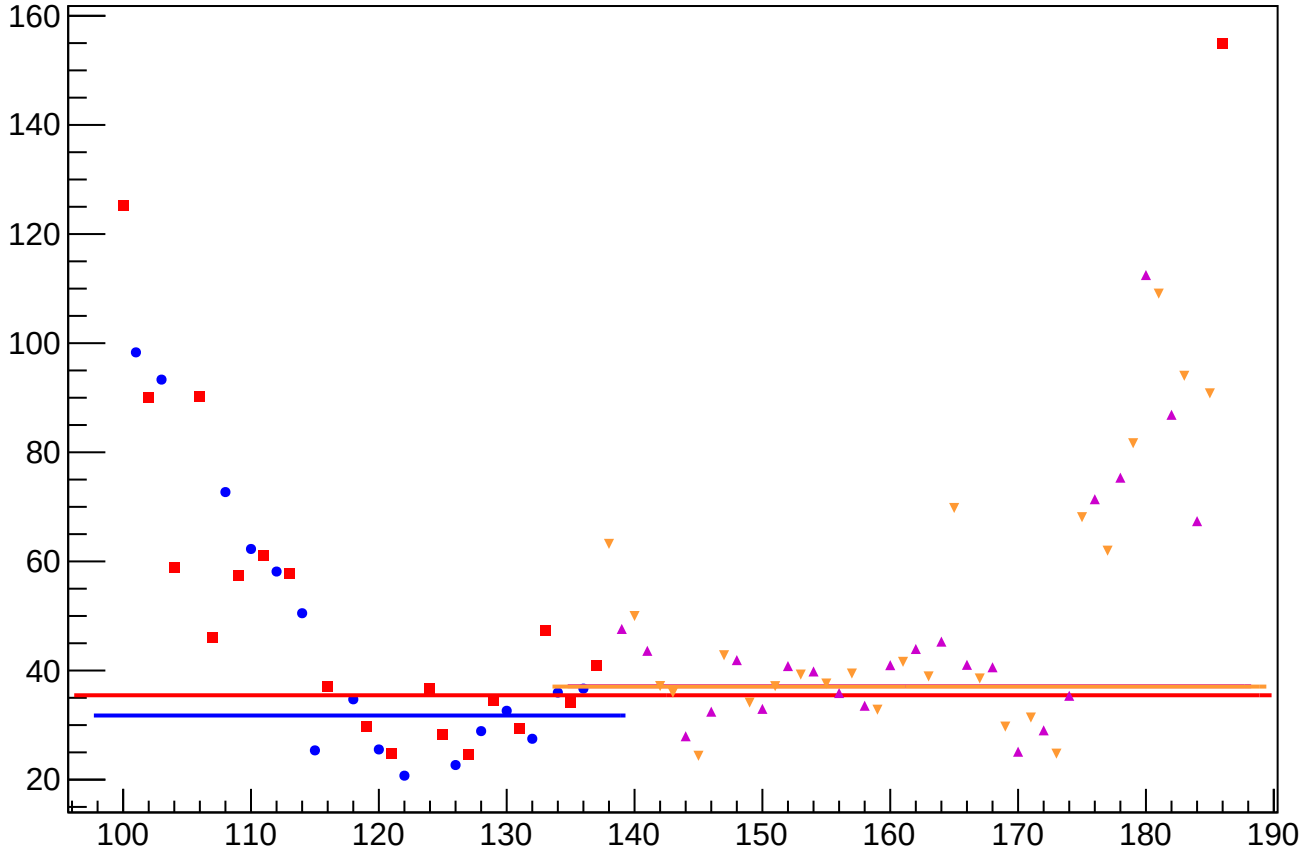
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

\+ sign 0.008+/-0.007 χ^2/NDF: 49.6/40

All: 0.008+/-0.005 χ^2/NDF: 87.4/83

\- sign 0.009+/-0.008 χ^2/NDF: 37.8/42

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

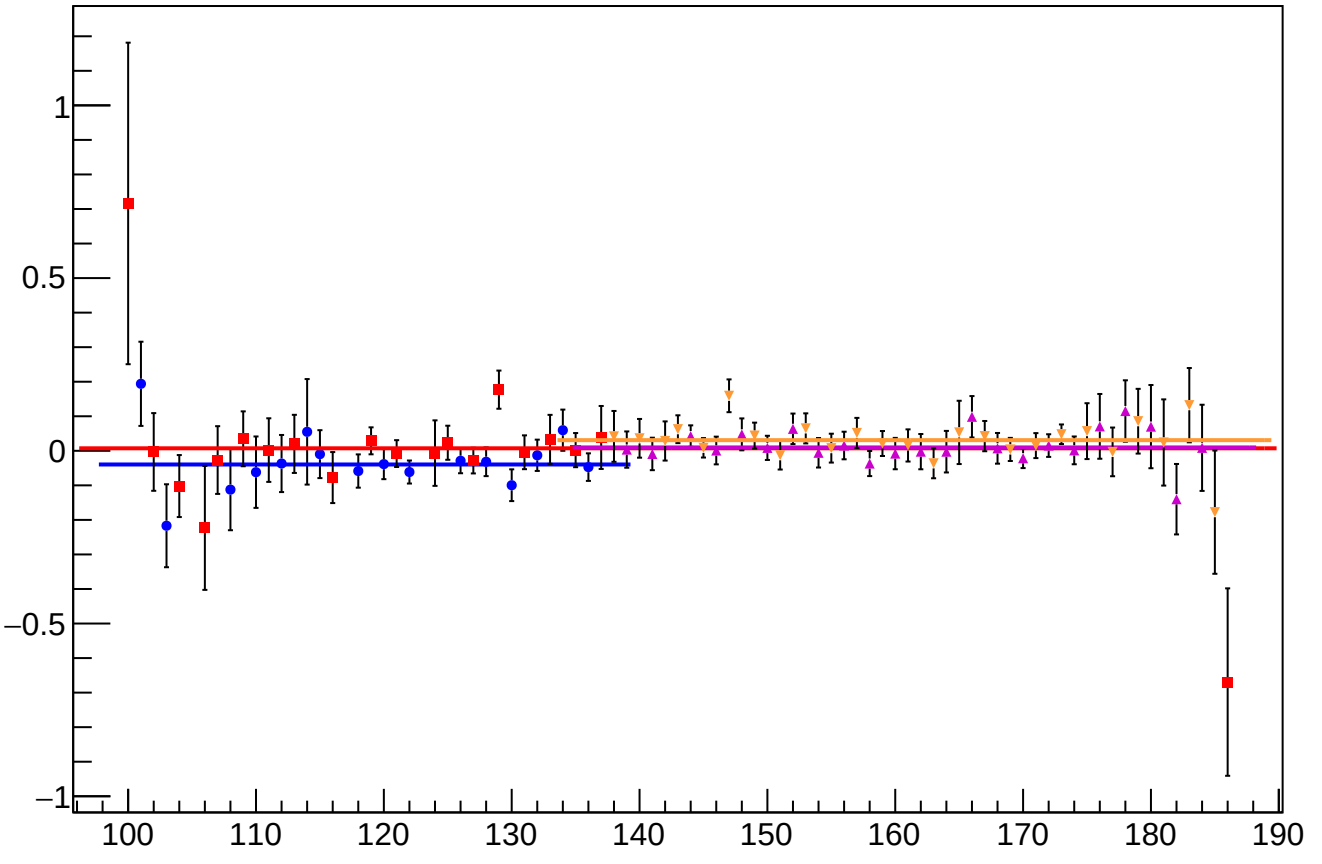
Right Out: 35.466+/-0.010 χ^2/NDF: 2233106.3/19

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 35.336+/-0.005 χ^2/NDF: 6525224.8/40

All: 35.951+/-0.004 χ^2/NDF: 11818344.0/83

- sign 36.620+/-0.006 χ^2/NDF: 5265029.1/42



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

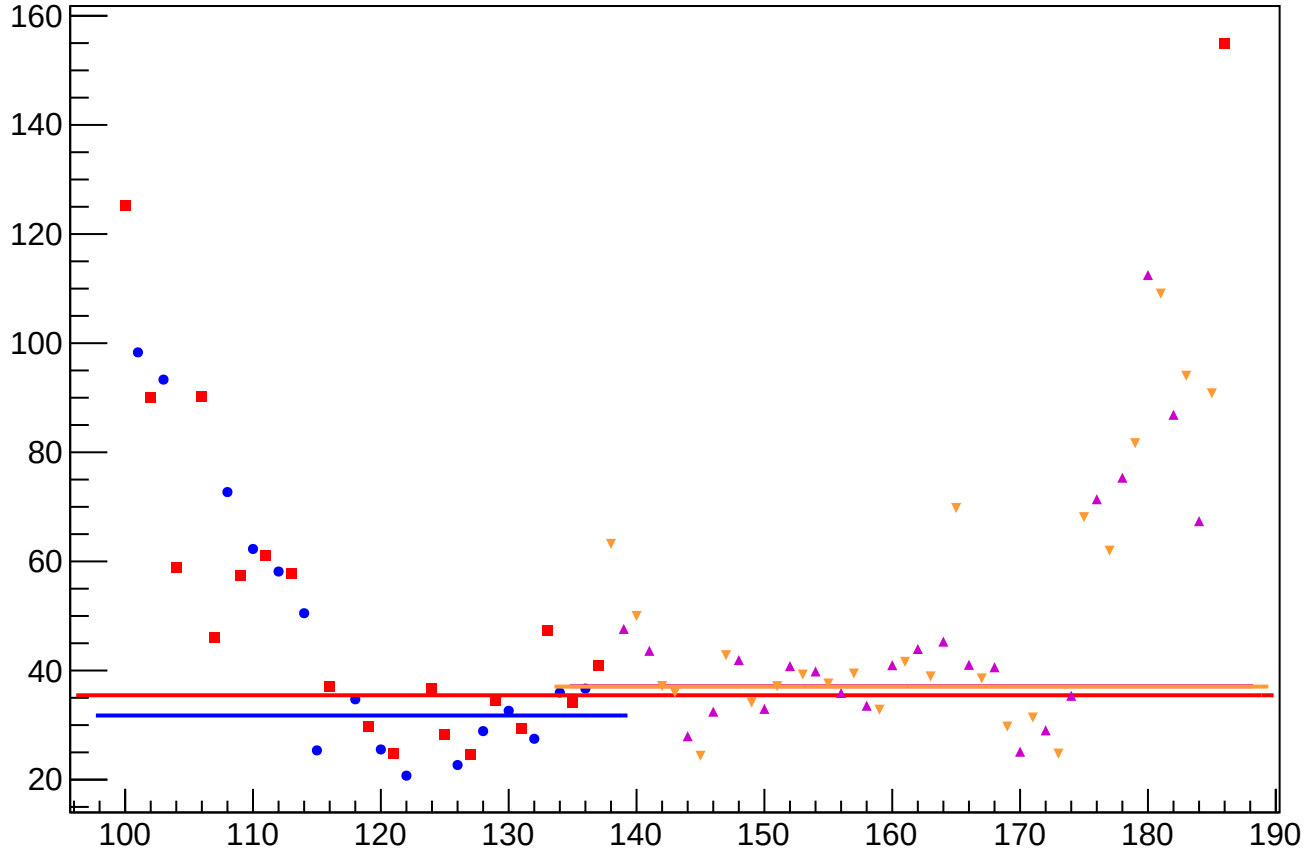
Right Out: 0.007+/-0.014 χ^2/NDF: 24.5/19

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

\+ sign 0.008+/-0.007 χ^2/NDF: 49.6/40

All: 0.008+/-0.005 χ^2/NDF: 87.4/83

\- sign 0.009+/-0.008 χ^2/NDF: 37.8/42



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

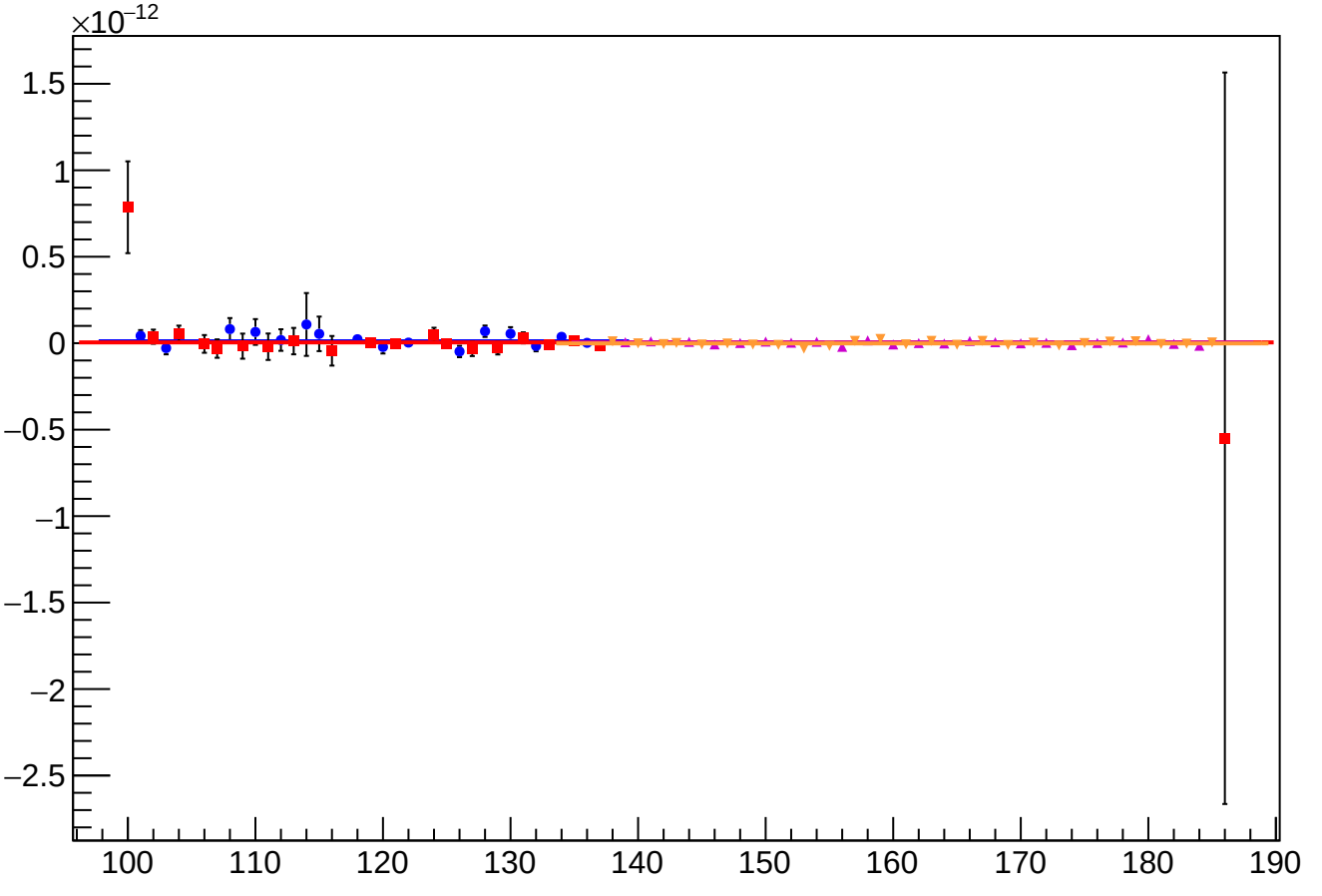
Right Out: 35.466+/-0.010 χ^2/NDF: 2233106.3/19

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 35.336+/-0.005 χ^2/NDF: 6525224.8/40

All: 35.951+/-0.004 χ^2/NDF: 11818344.0/83

- sign 36.620+/-0.006 χ^2/NDF: 5265029.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

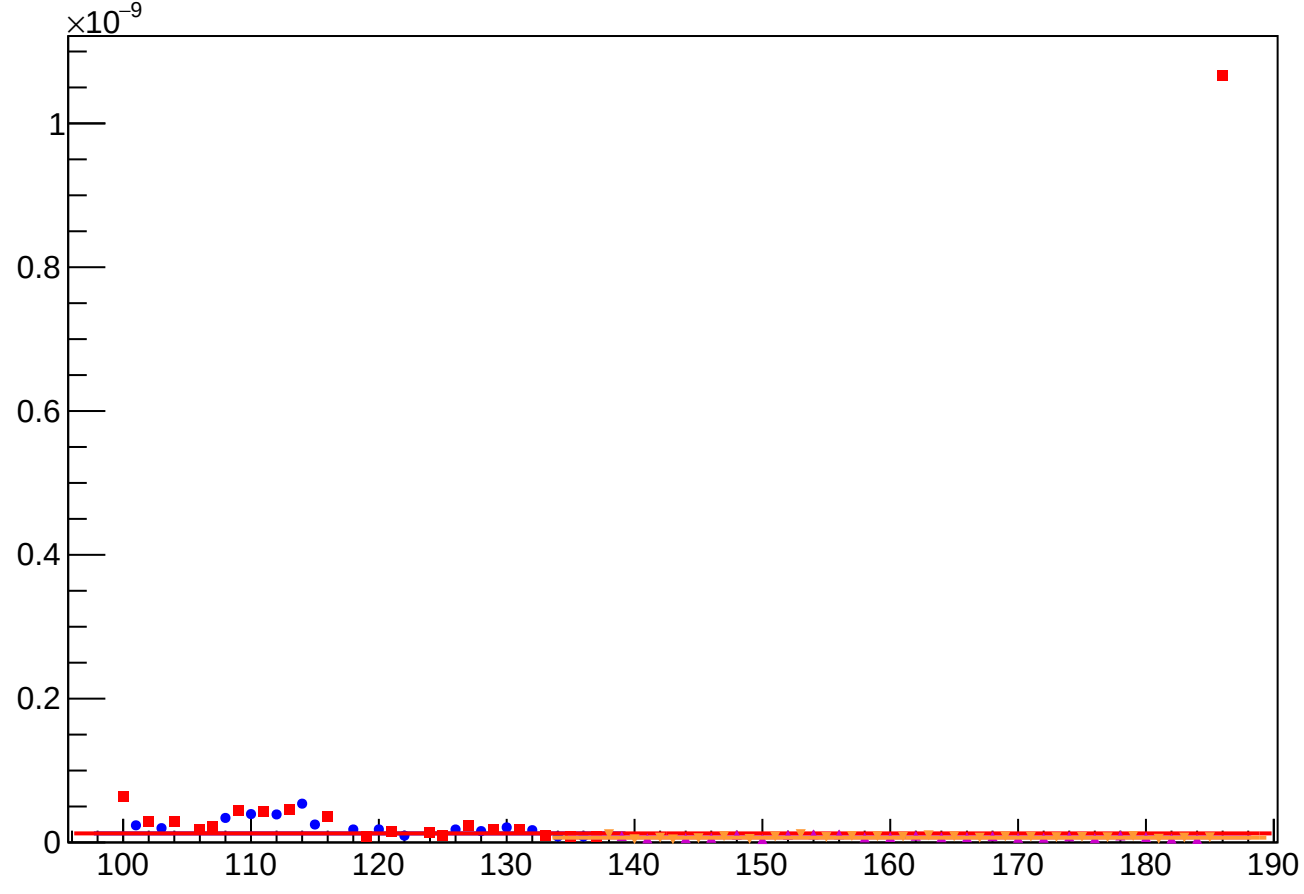
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/19

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.3/40

All: 0.000+/-0.000 χ^2/NDF: 86.3/83

- sign 0.000+/-0.000 χ^2/NDF: 38.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3244806.3/19

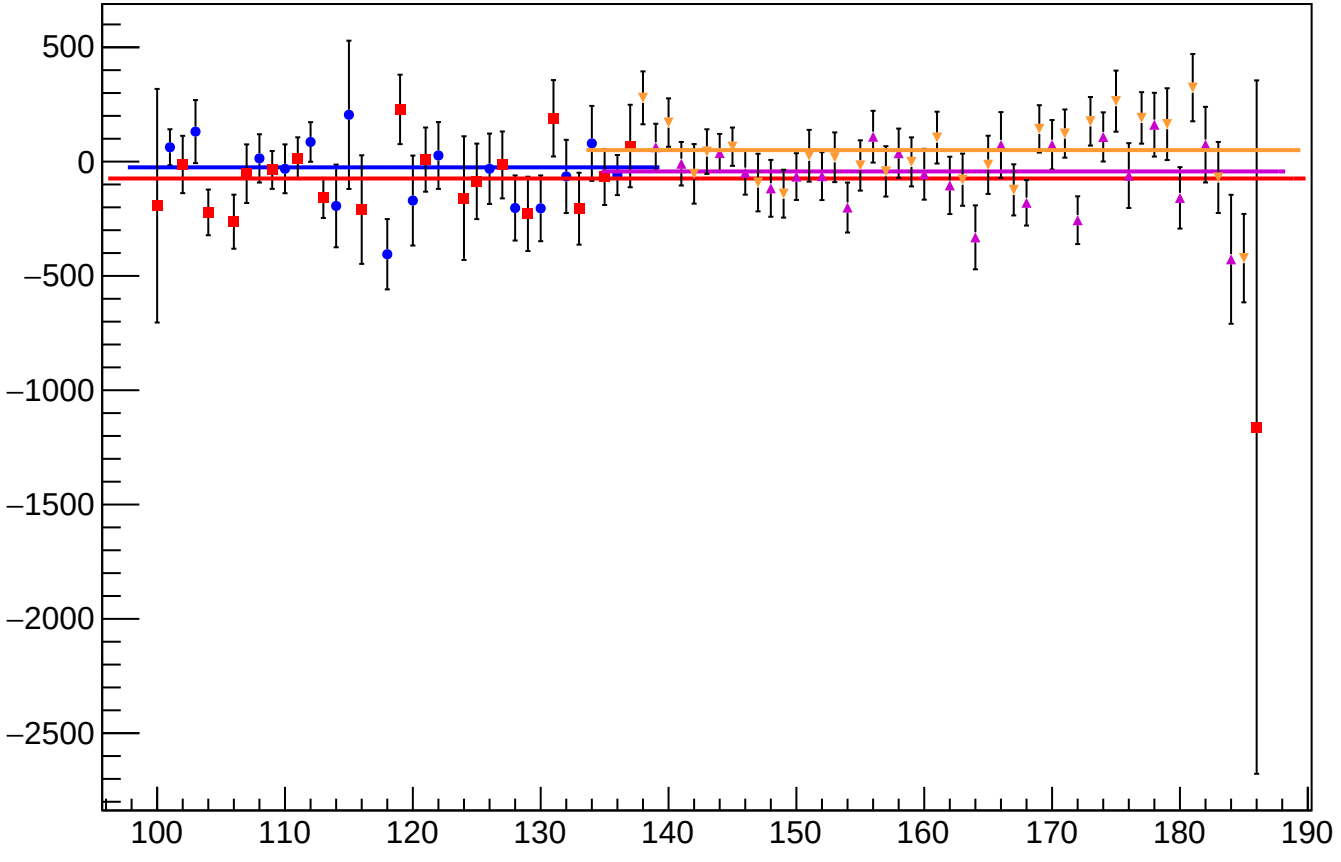
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5651153.6/40

All: 0.000+/-0.000 χ^2/NDF: 11628928.8/83

- sign 0.000+/-0.000 χ^2/NDF: 5929838.0/42

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -73.881+/-29.929 χ^2/NDF: 17.3/19

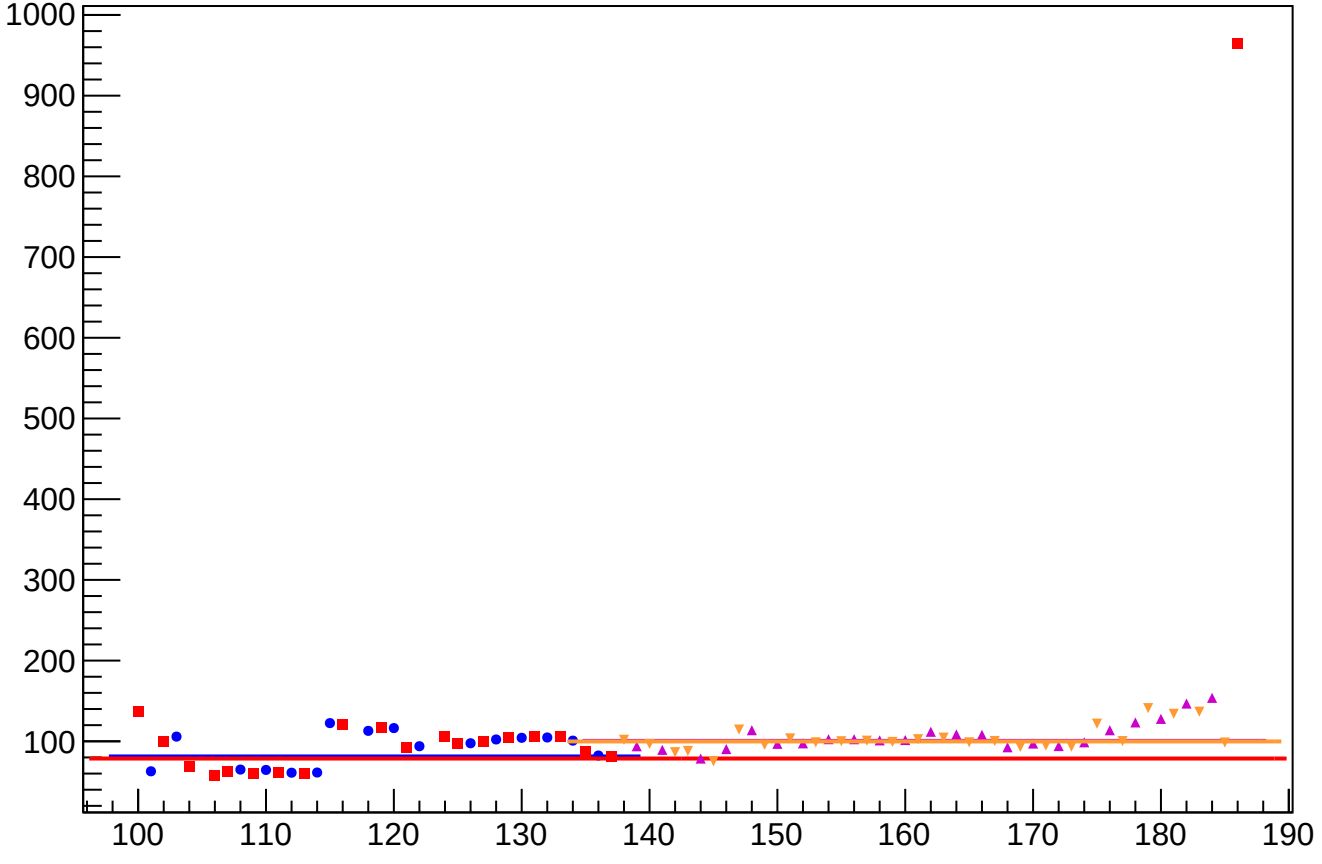
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.867+/-18.497 χ^2/NDF: 53.4/40

All: -15.308+/-13.119 χ^2/NDF: 107.0/83

- sign -54.953+/-18.608 χ^2/NDF: 44.6/42

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 78.643+/-0.021 χ^2/NDF: 1617531.1/19

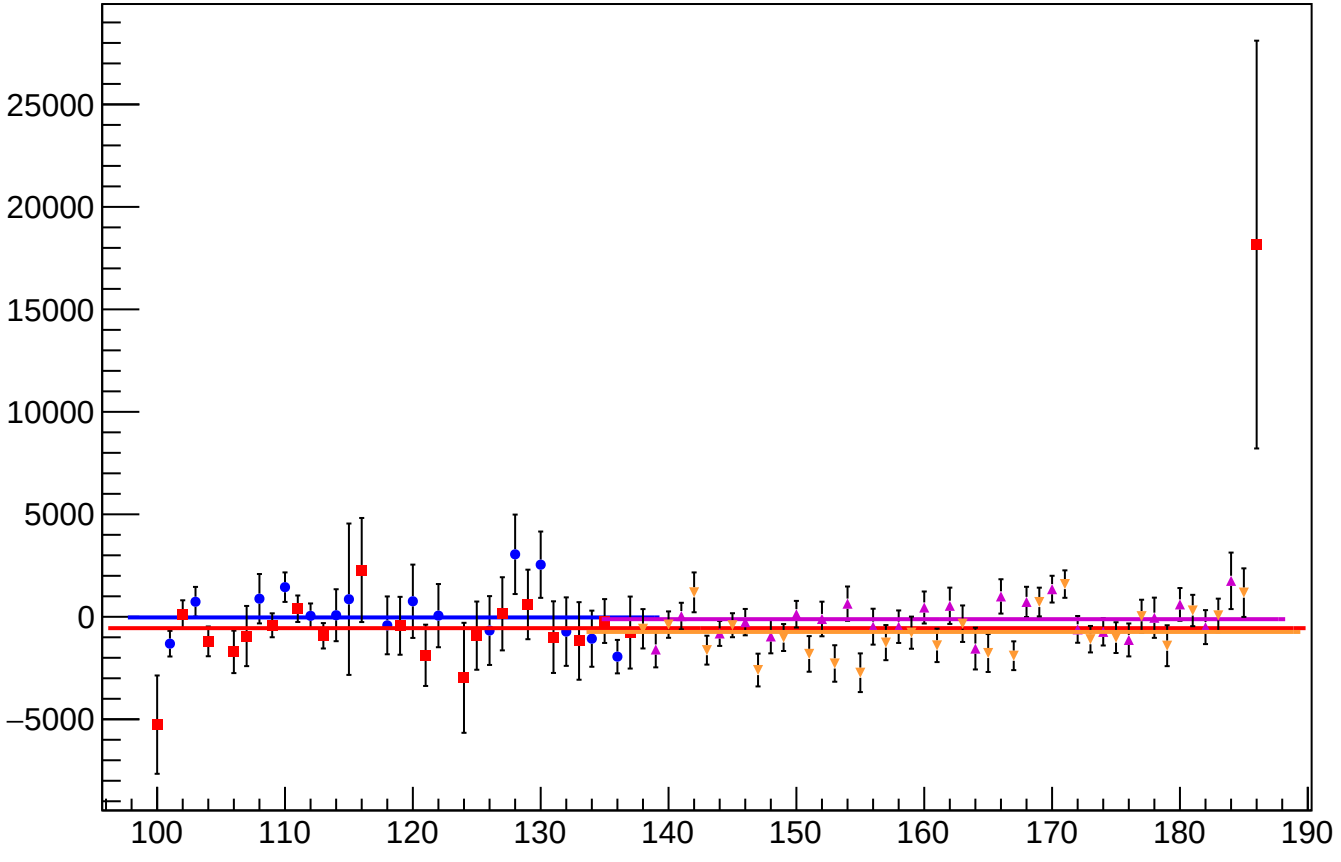
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.303+/-0.013 χ^2/NDF: 1947454.7/40

All: 92.680+/-0.009 χ^2/NDF: 4880604.4/83

- sign 92.050+/-0.013 χ^2/NDF: 2928583.6/42

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -554.134+/-238.423 χ^2/NDF: 16.8/19

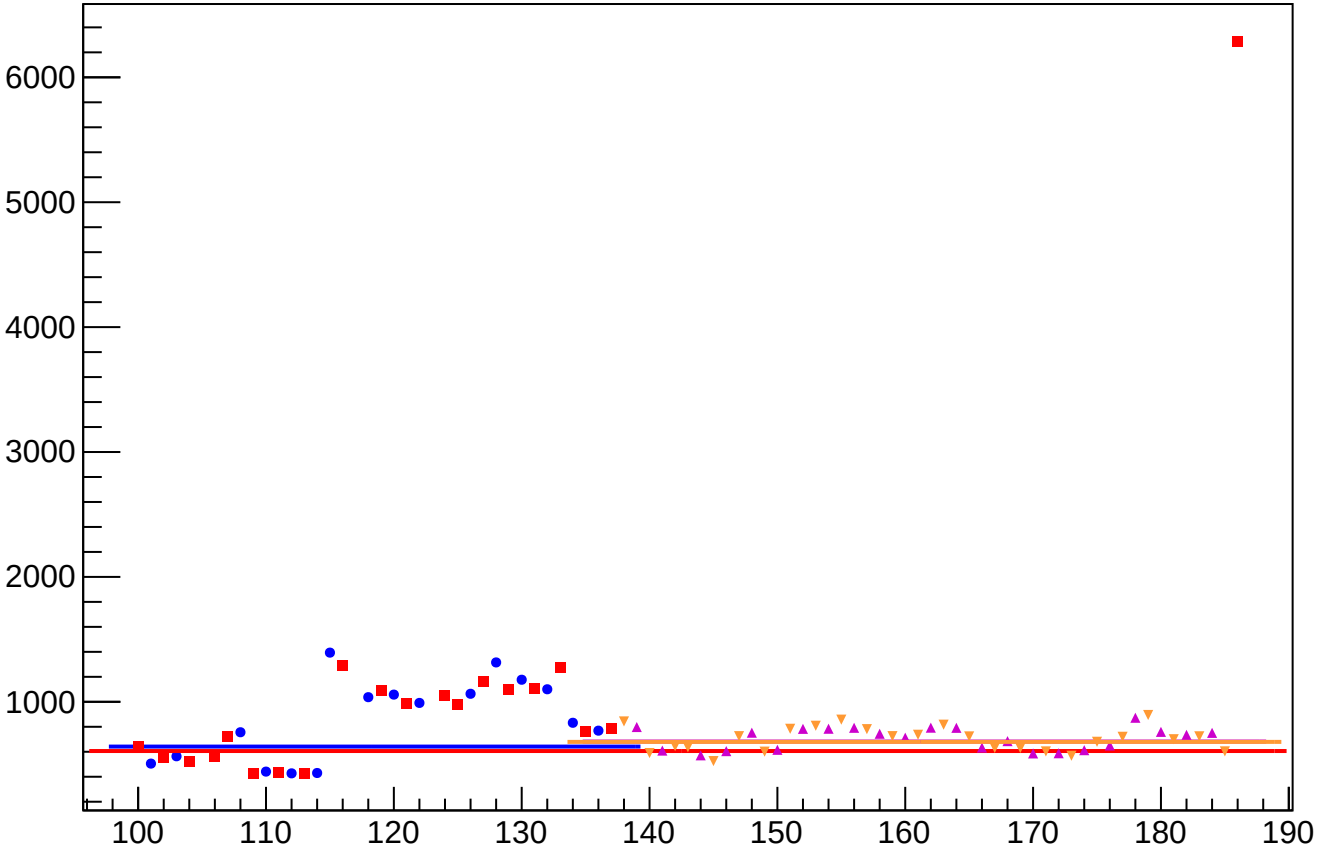
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -547.191+/-133.549 χ^2/NDF: 77.1/40

All: -399.934+/-94.389 χ^2/NDF: 122.4/83

- sign -252.956+/-133.422 χ^2/NDF: 42.9/42

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 605.918+/-0.169 χ^2/NDF: 2722742.7/19

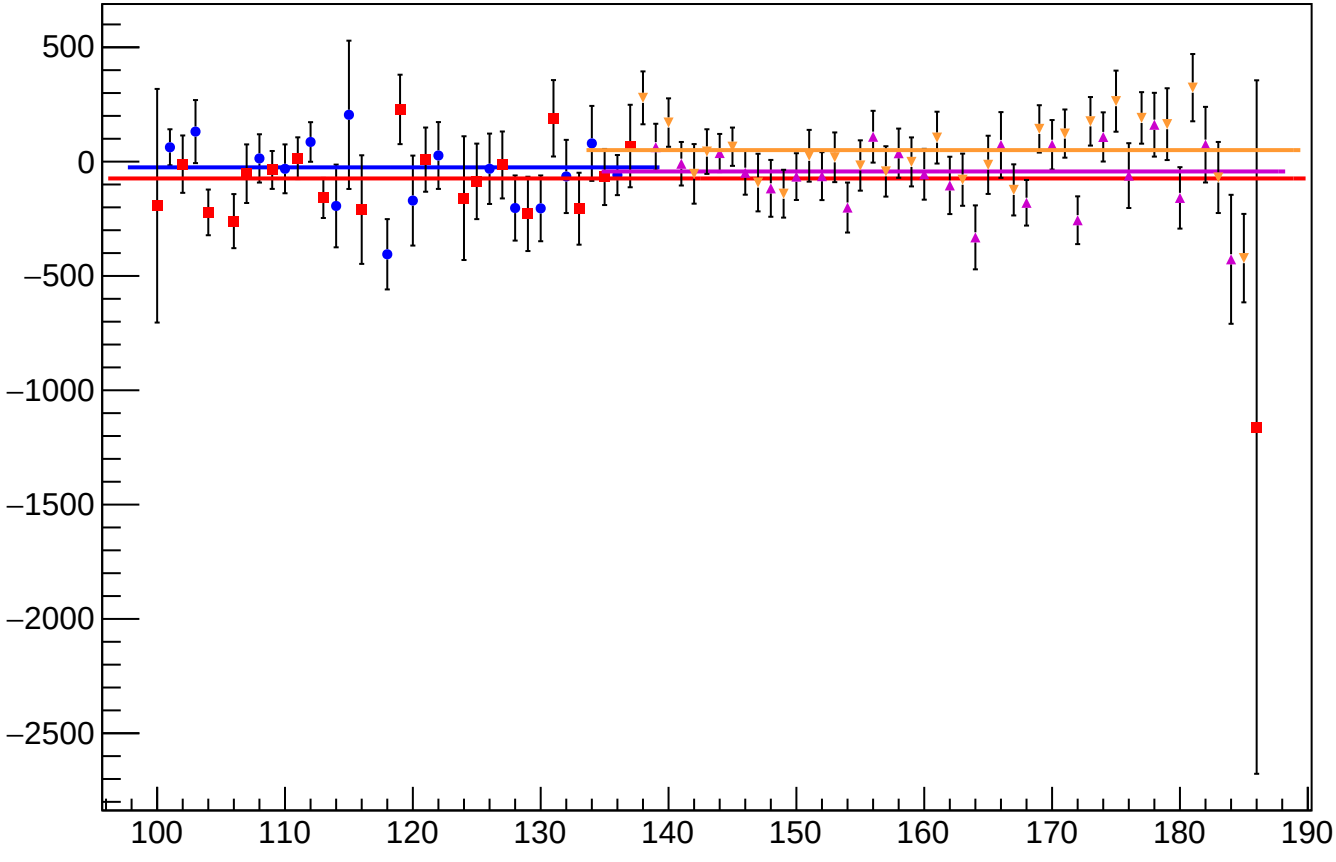
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 668.980+/-0.094 χ^2/NDF: 2643739.6/40

All: 663.536+/-0.067 χ^2/NDF: 6086423.4/83

- sign 658.101+/-0.094 χ^2/NDF: 3436041.7/42

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -73.616+/-29.931 χ^2/NDF: 17.2/19

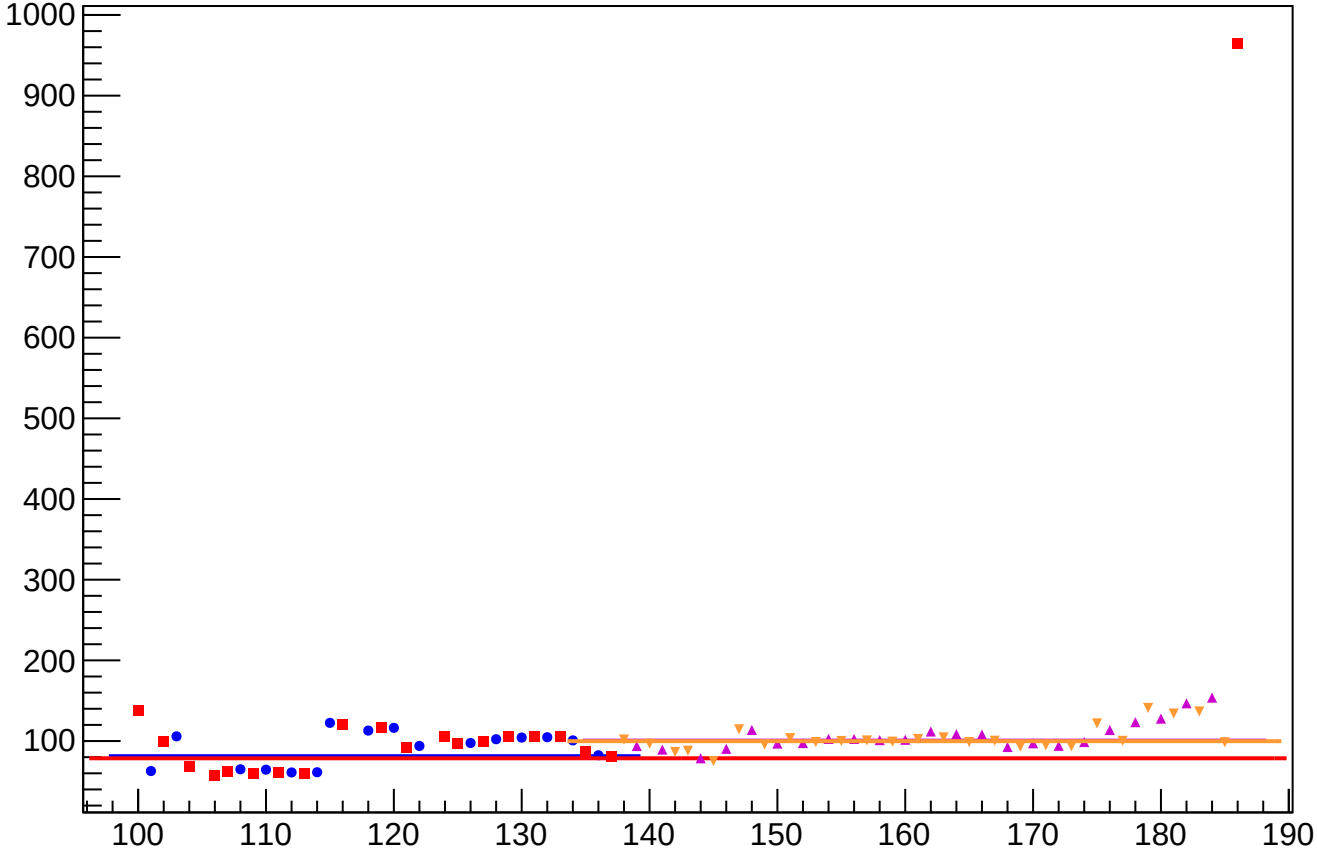
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.871+/-18.497 χ^2/NDF: 53.4/40

All: -15.254+/-13.119 χ^2/NDF: 106.9/83

- sign -54.850+/-18.608 χ^2/NDF: 44.5/42

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 78.625+/-0.021 χ^2/NDF: 1619698.1/19

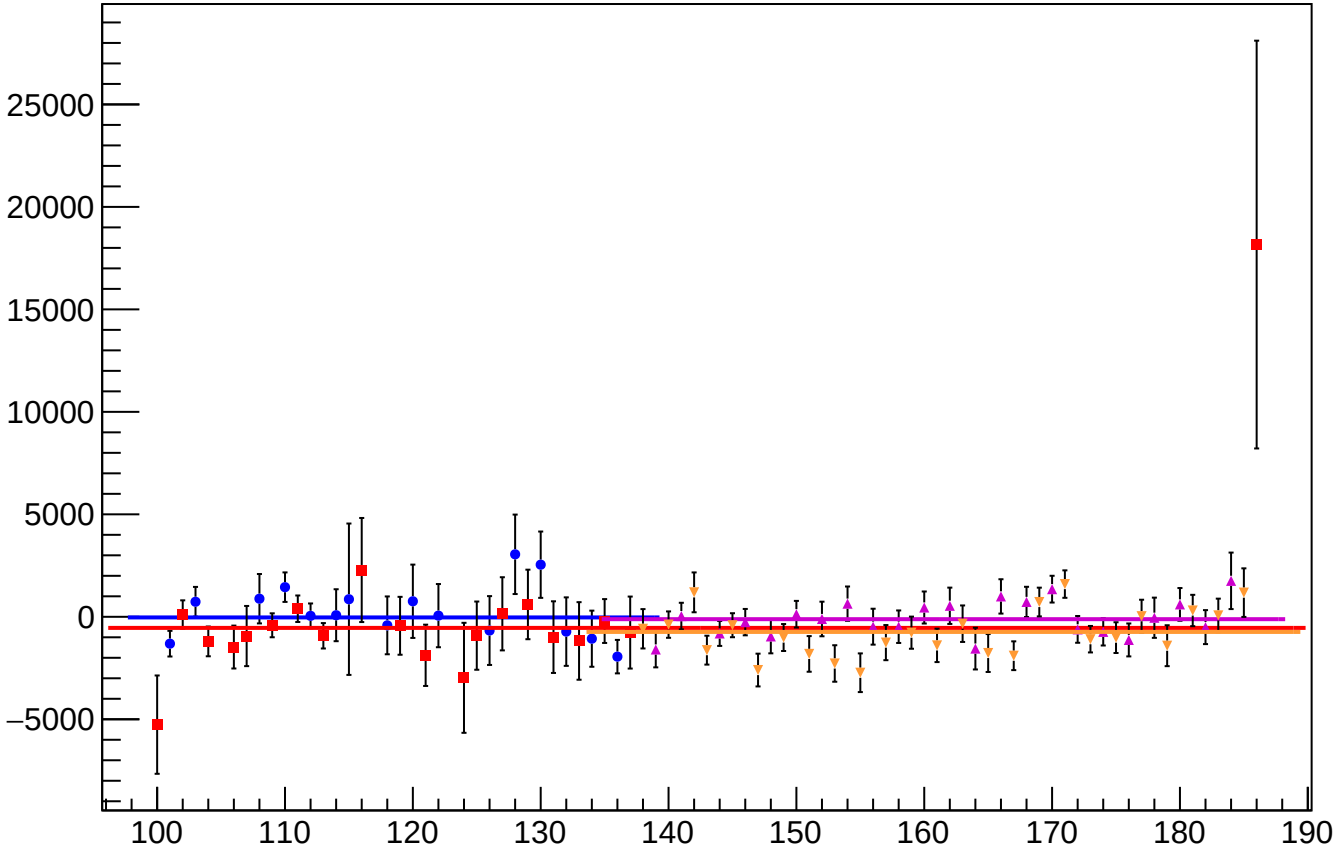
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.303+/-0.013 χ^2/NDF: 1947456.1/40

All: 92.677+/-0.009 χ^2/NDF: 4883885.1/83

- sign 92.043+/-0.013 χ^2/NDF: 2931815.1/42

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -541.186+/-238.571 χ^2/NDF: 16.4/19

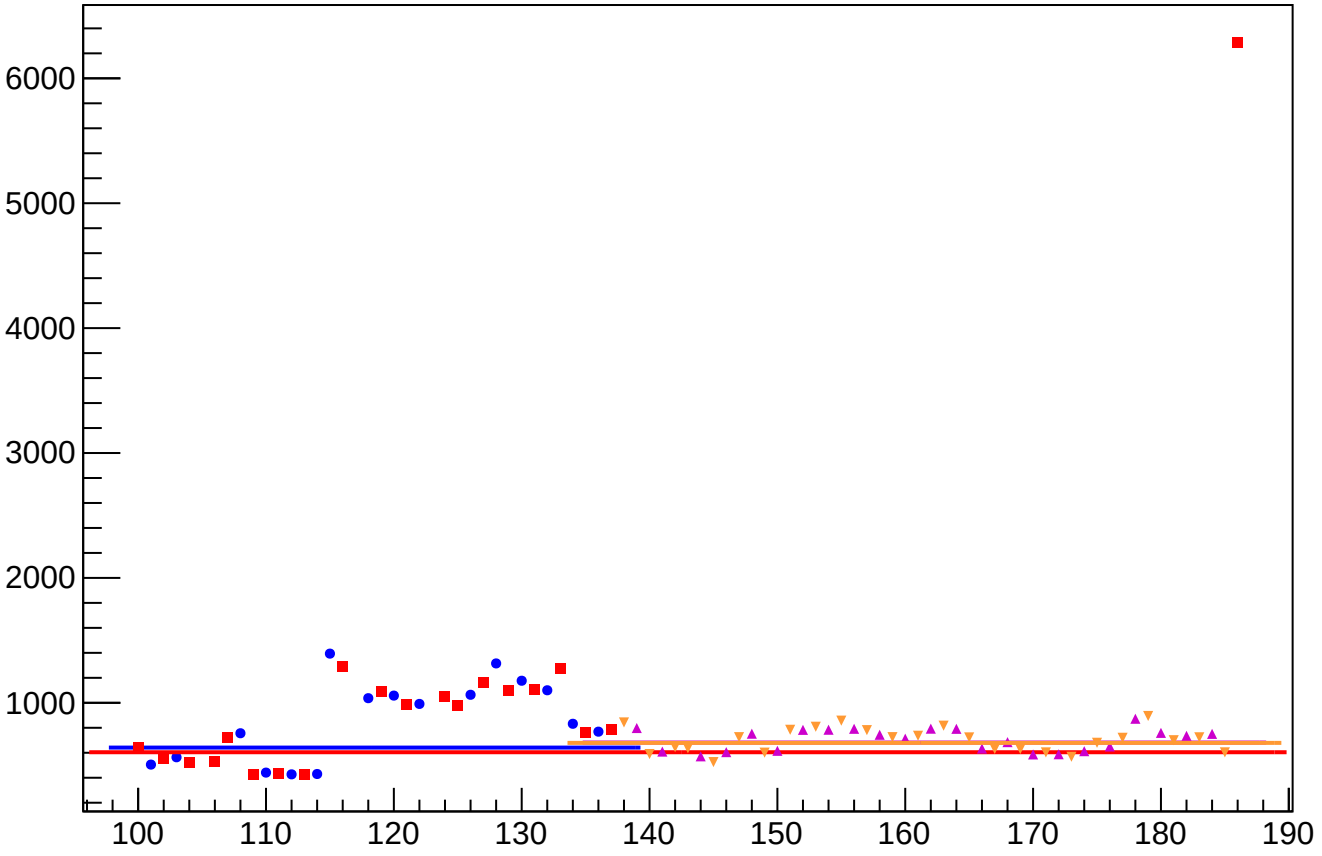
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -547.193+/-133.549 χ^2/NDF: 77.1/40

All: -397.877+/-94.398 χ^2/NDF: 121.9/83

- sign -248.788+/-133.448 χ^2/NDF: 42.3/42

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 604.245+/-0.169 χ^2/NDF: 2730052.2/19

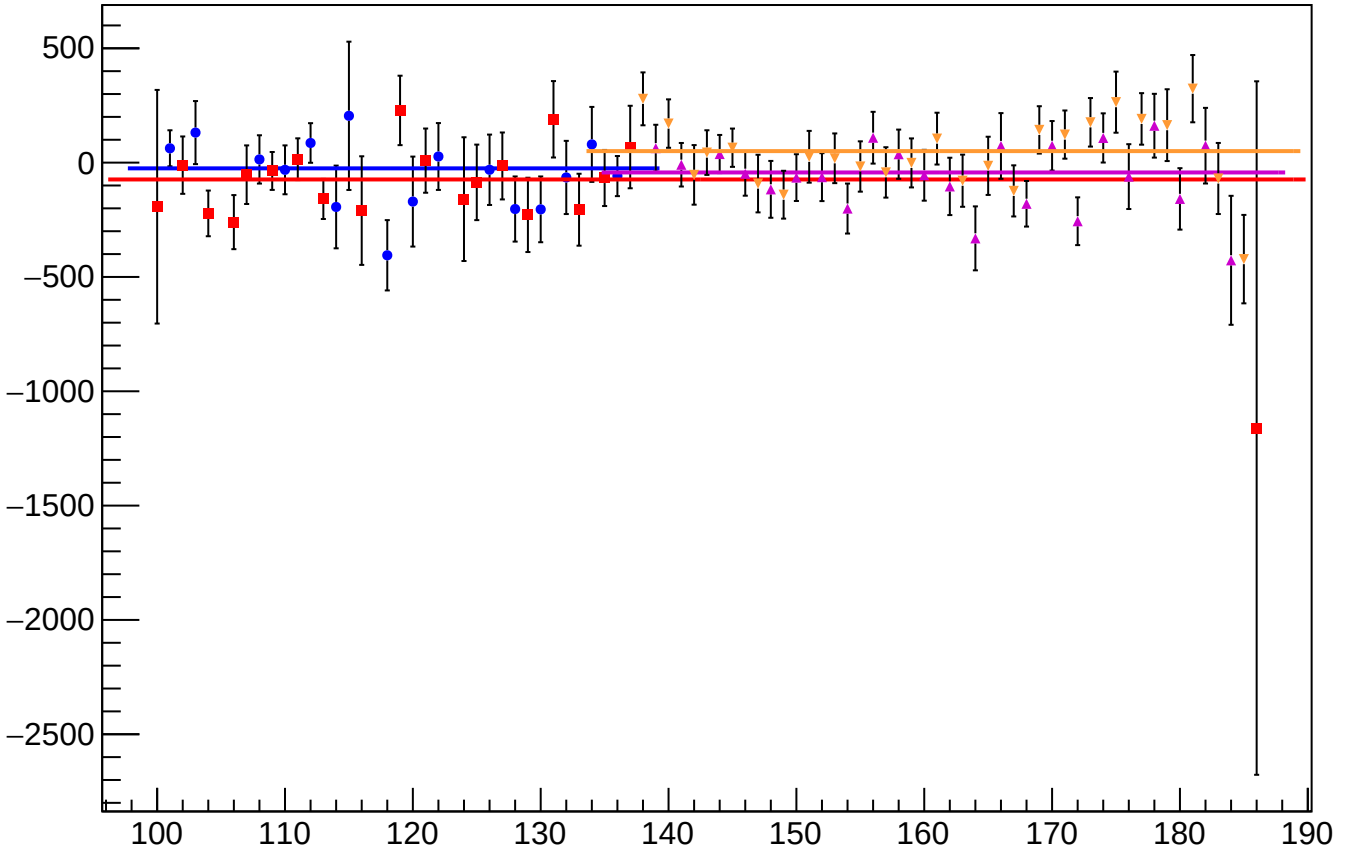
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 668.983+/-0.094 χ^2/NDF: 2643682.3/40

All: 663.286+/-0.067 χ^2/NDF: 6100395.1/83

- sign 657.598+/-0.094 χ^2/NDF: 3449440.1/42

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -73.616+/-29.931 χ^2/NDF: 17.2/19

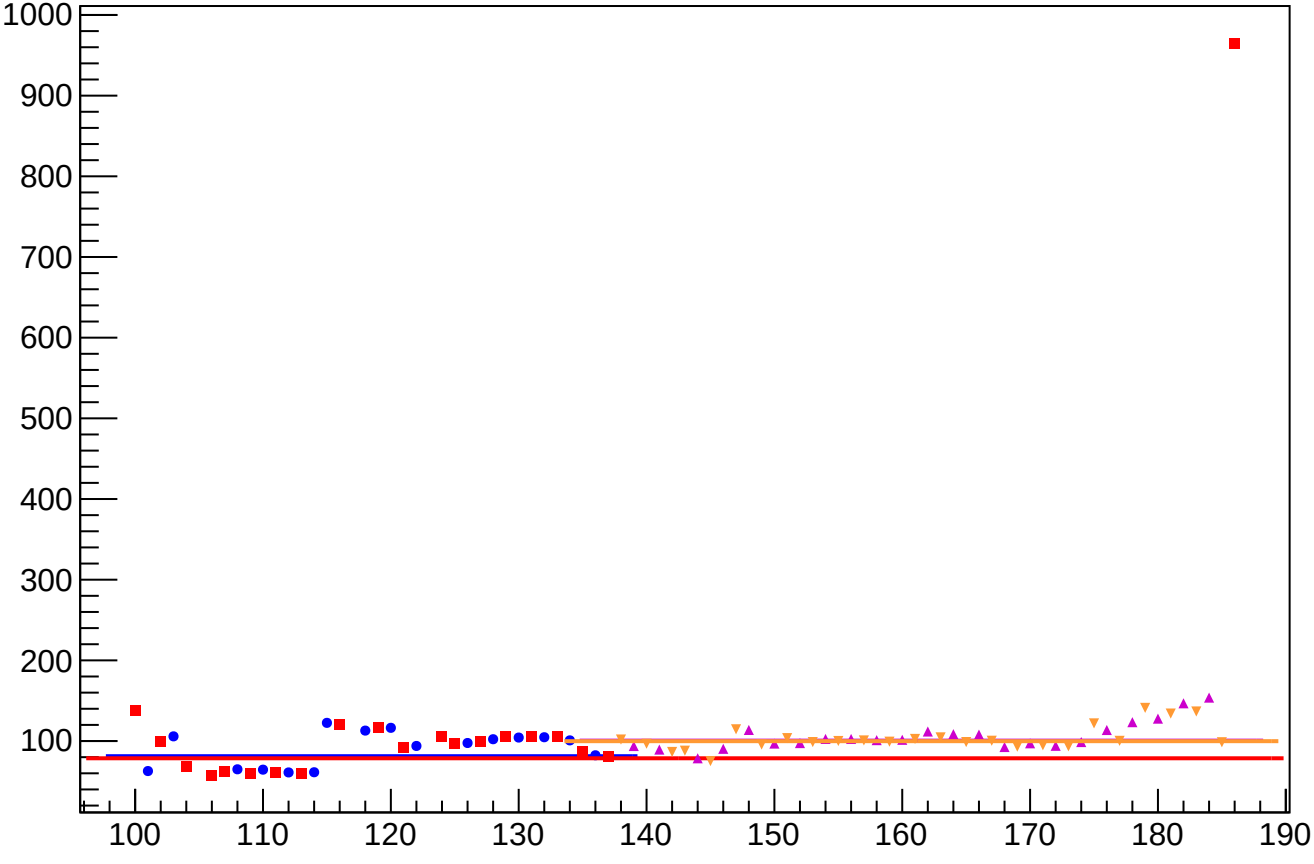
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.871+/-18.497 χ^2/NDF: 53.4/40

All: -15.254+/-13.119 χ^2/NDF: 106.9/83

- sign -54.850+/-18.608 χ^2/NDF: 44.5/42

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 78.625+/-0.021 χ^2/NDF: 1619698.1/19

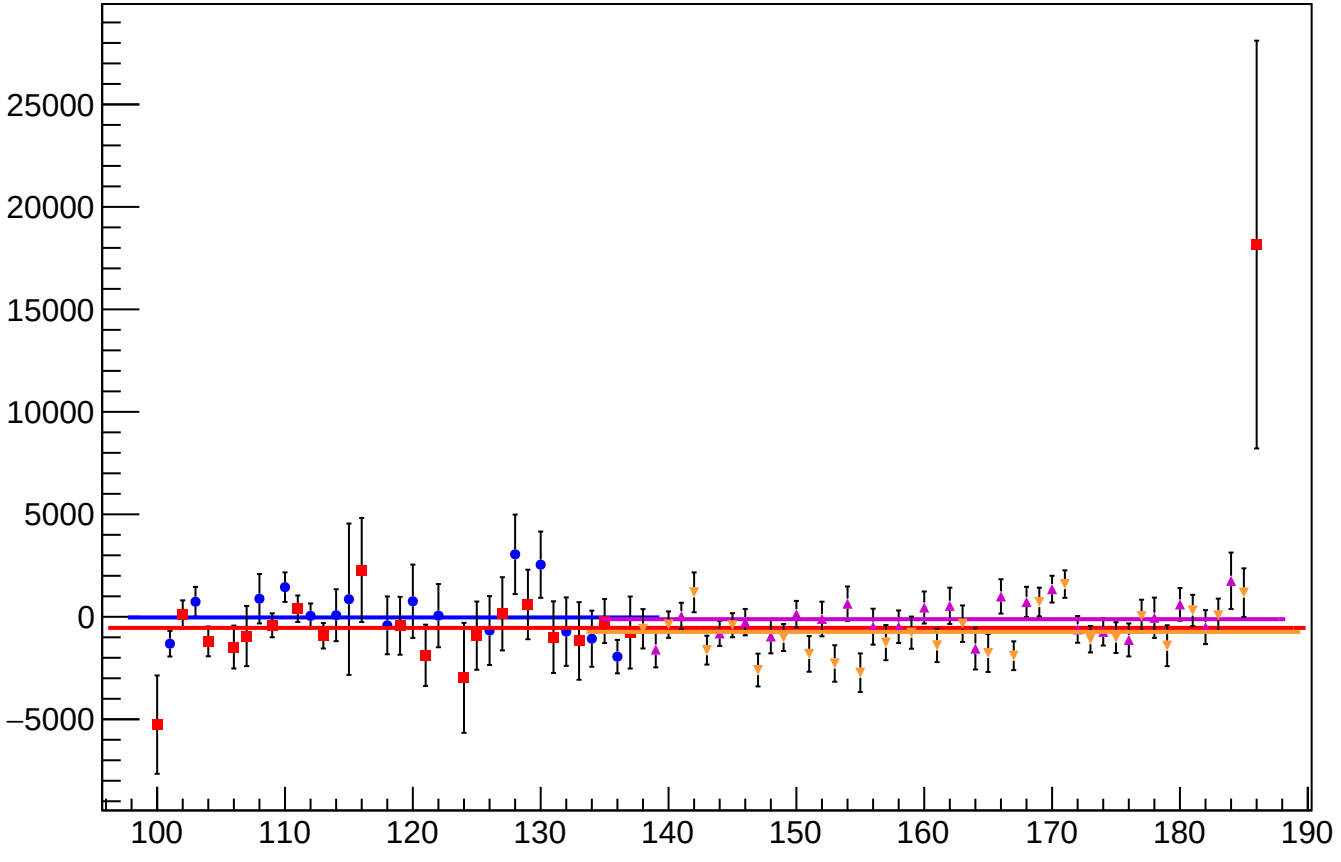
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.303+/-0.013 χ^2/NDF: 1947456.1/40

All: 92.677+/-0.009 χ^2/NDF: 4883885.1/83

- sign 92.043+/-0.013 χ^2/NDF: 2931815.1/42

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -541.186+/-238.571 χ^2/NDF: 16.4/19

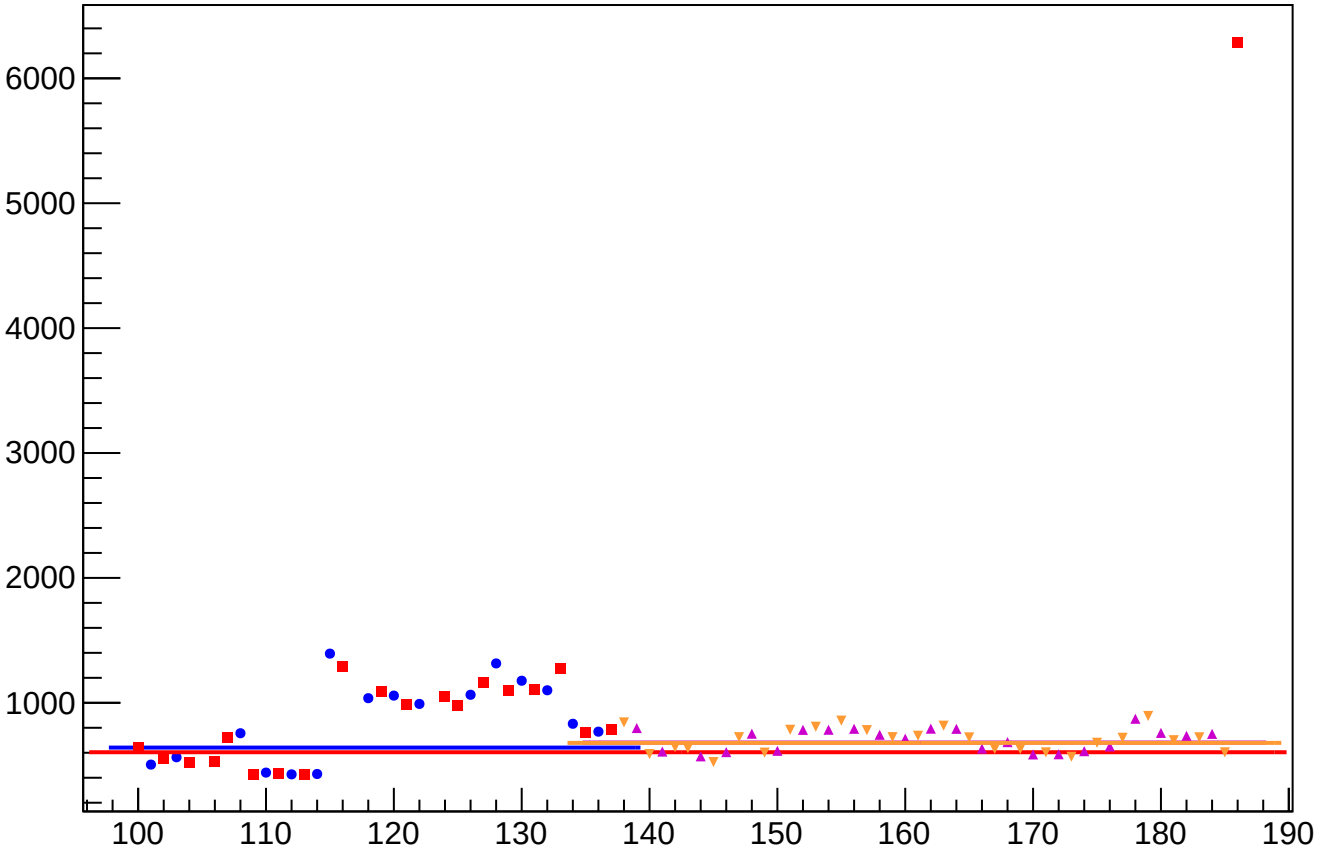
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -547.193+/-133.549 χ^2/NDF: 77.1/40

All: -397.877+/-94.398 χ^2/NDF: 121.9/83

- sign -248.788+/-133.448 χ^2/NDF: 42.3/42

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 604.245+/-0.169 χ^2/NDF: 2730052.2/19

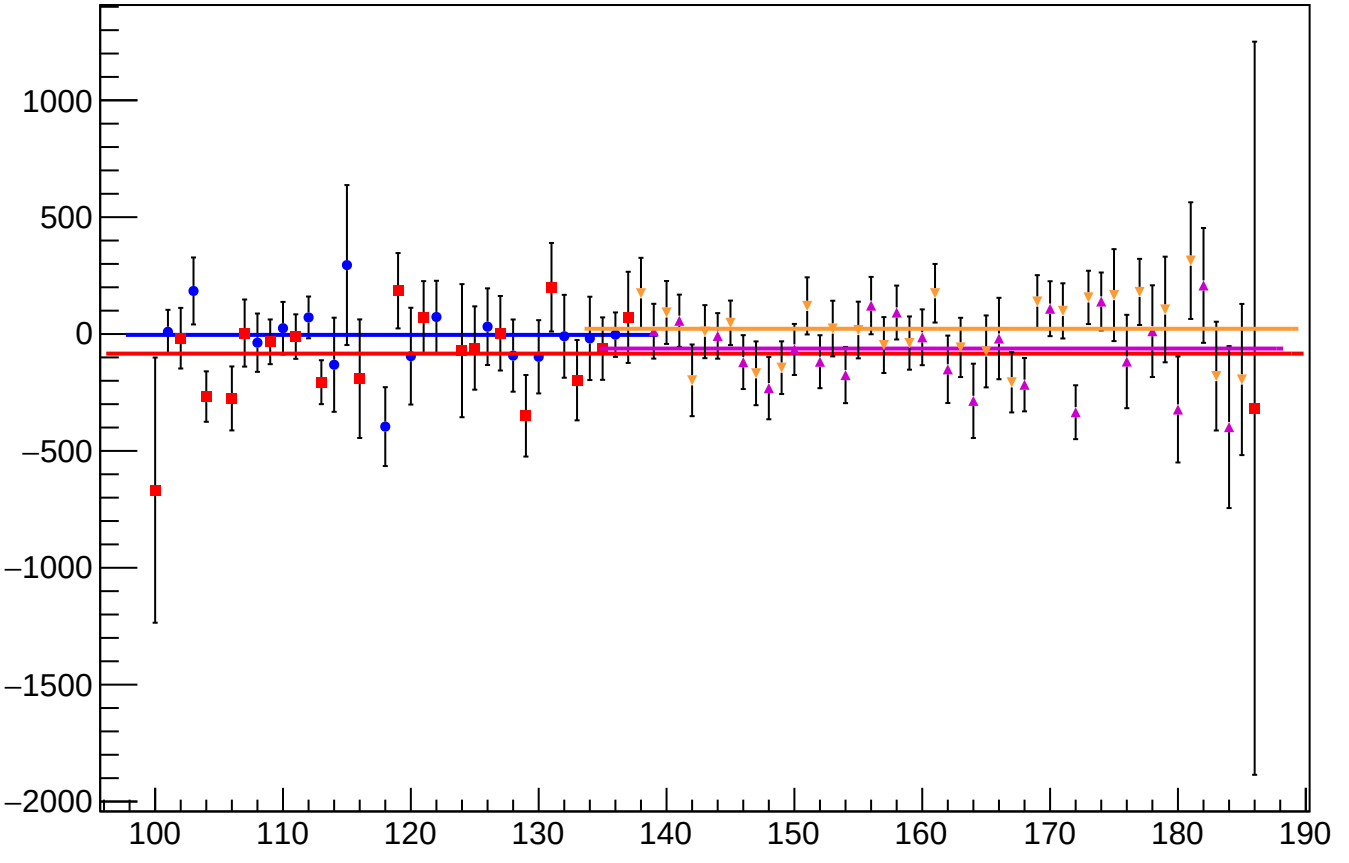
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 668.983+/-0.094 χ^2/NDF: 2643682.3/40

All: 663.286+/-0.067 χ^2/NDF: 6100395.1/83

- sign 657.598+/-0.094 χ^2/NDF: 3449440.1/42

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -83.778+/-32.625 χ^2/NDF: 19.1/19

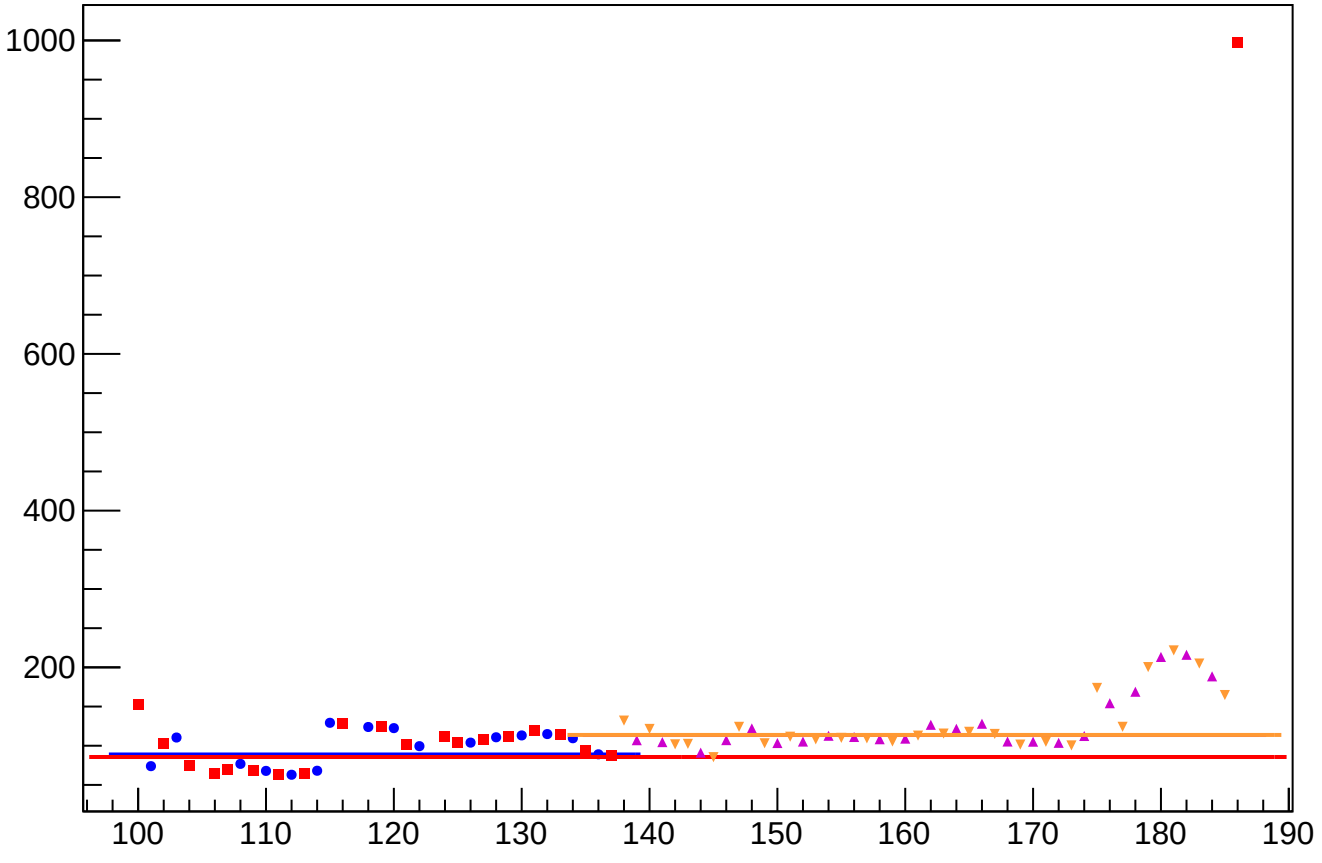
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 12.638+/-21.007 χ^2/NDF: 32.3/40

All: -29.327+/-14.836 χ^2/NDF: 86.9/83

- sign -71.083+/-20.955 χ^2/NDF: 46.7/42

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 85.619+/-0.023 χ^2/NDF: 1560343.9/19

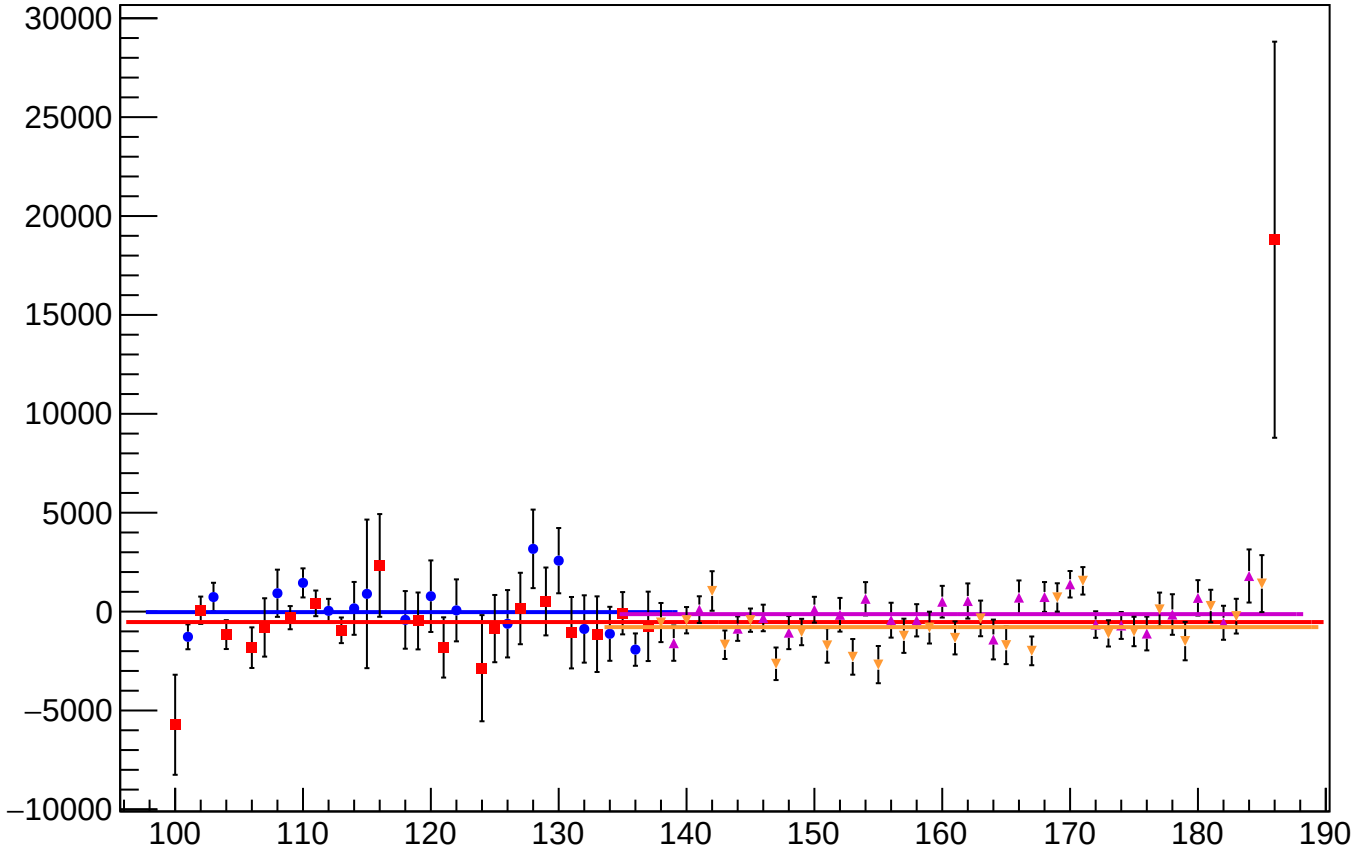
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 104.325+/-0.015 χ^2/NDF: 2968237.6/40

All: 103.211+/-0.010 χ^2/NDF: 6724815.8/83

- sign 102.103+/-0.015 χ^2/NDF: 3745354.1/42

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -528.416+/-241.168 χ^2/NDF: 17.4/19

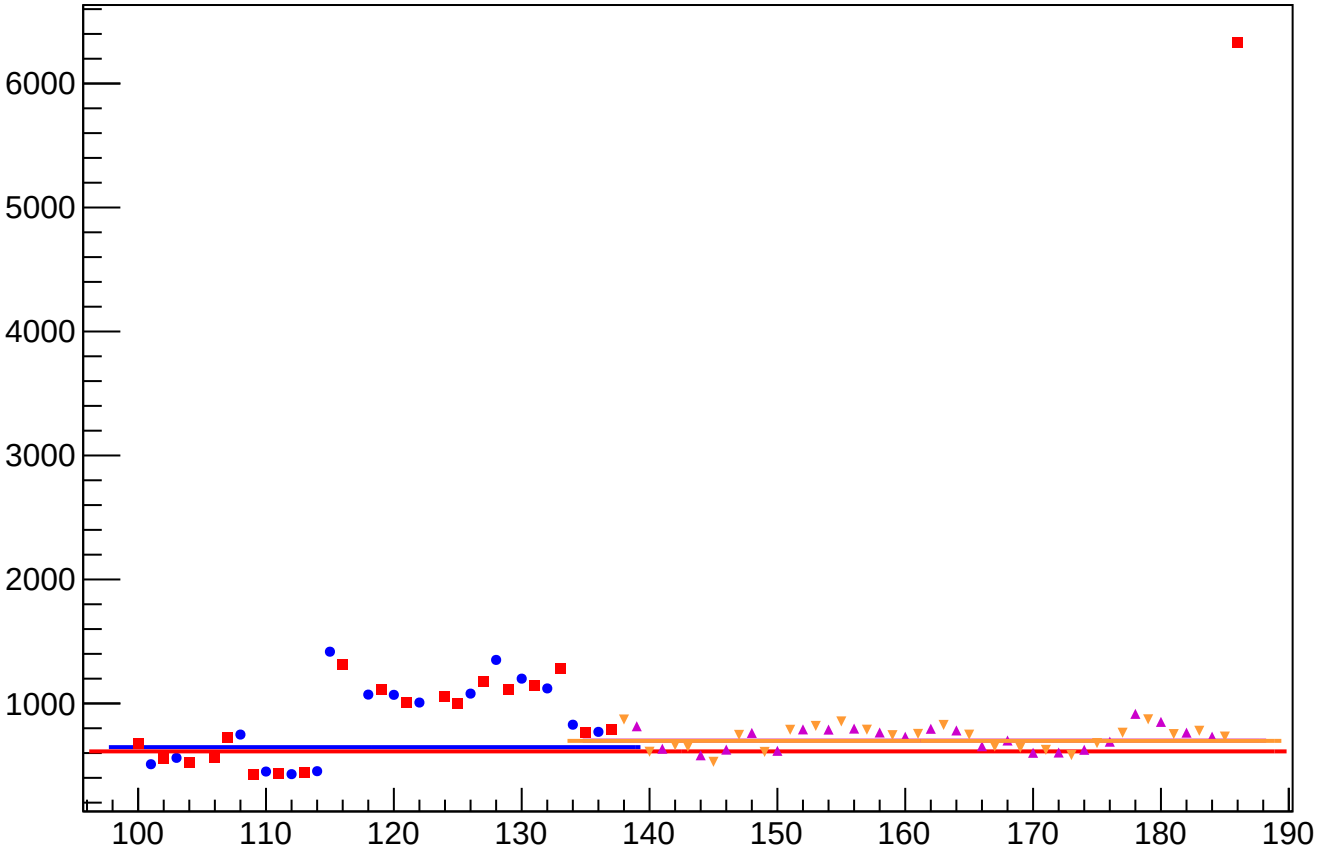
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -574.329+/-136.476 χ^2/NDF: 73.1/40

All: -415.007+/-96.448 χ^2/NDF: 117.8/83

- sign -256.044+/-136.322 χ^2/NDF: 42.0/42

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 613.379+/-0.171 χ^2/NDF: 2726556.5/19

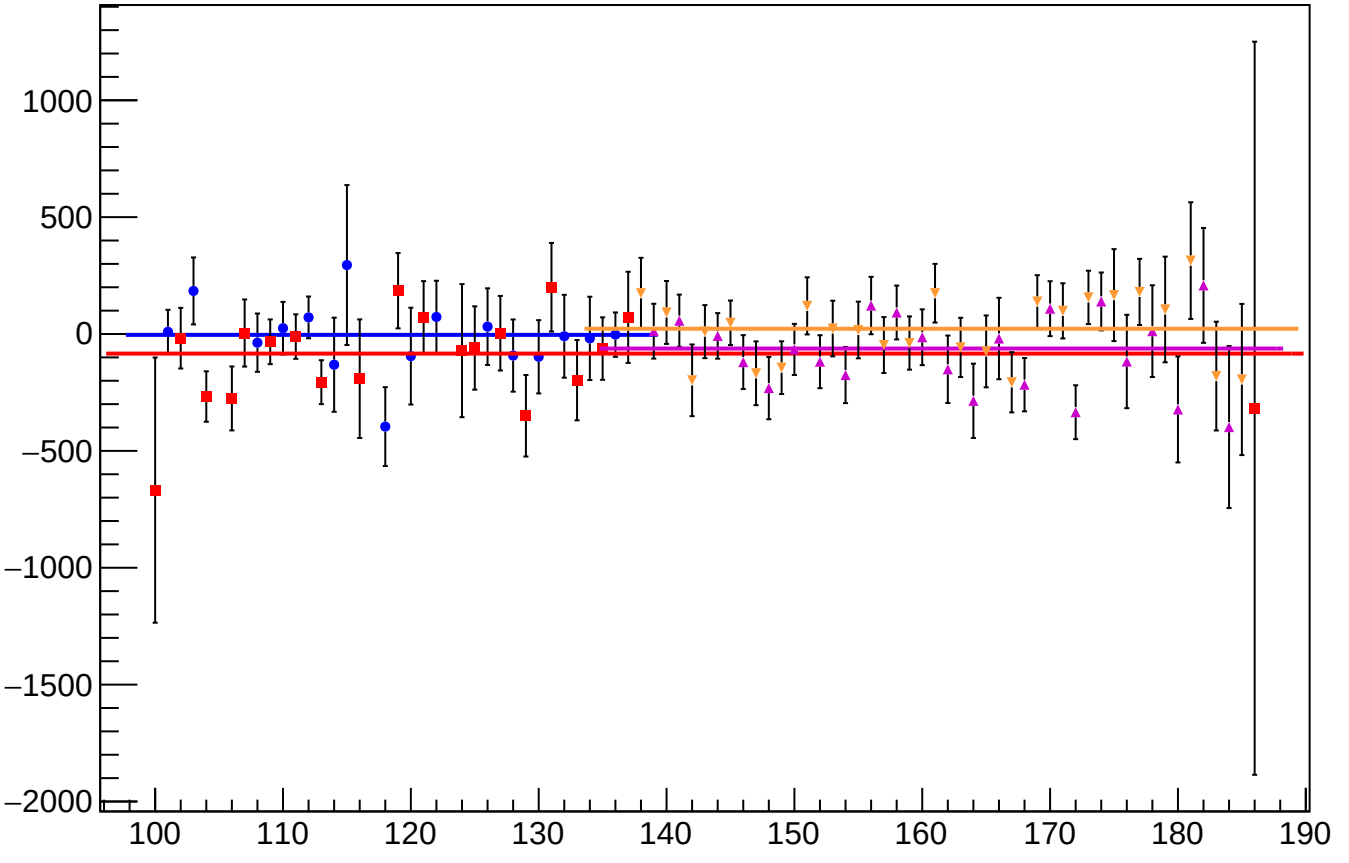
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 684.232+/-0.097 χ^2/NDF: 2657530.8/40

All: 678.298+/-0.068 χ^2/NDF: 6151854.4/83

- sign 672.377+/-0.096 χ^2/NDF: 3486769.9/42

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -83.777+/-32.625 χ^2/NDF: 19.1/19

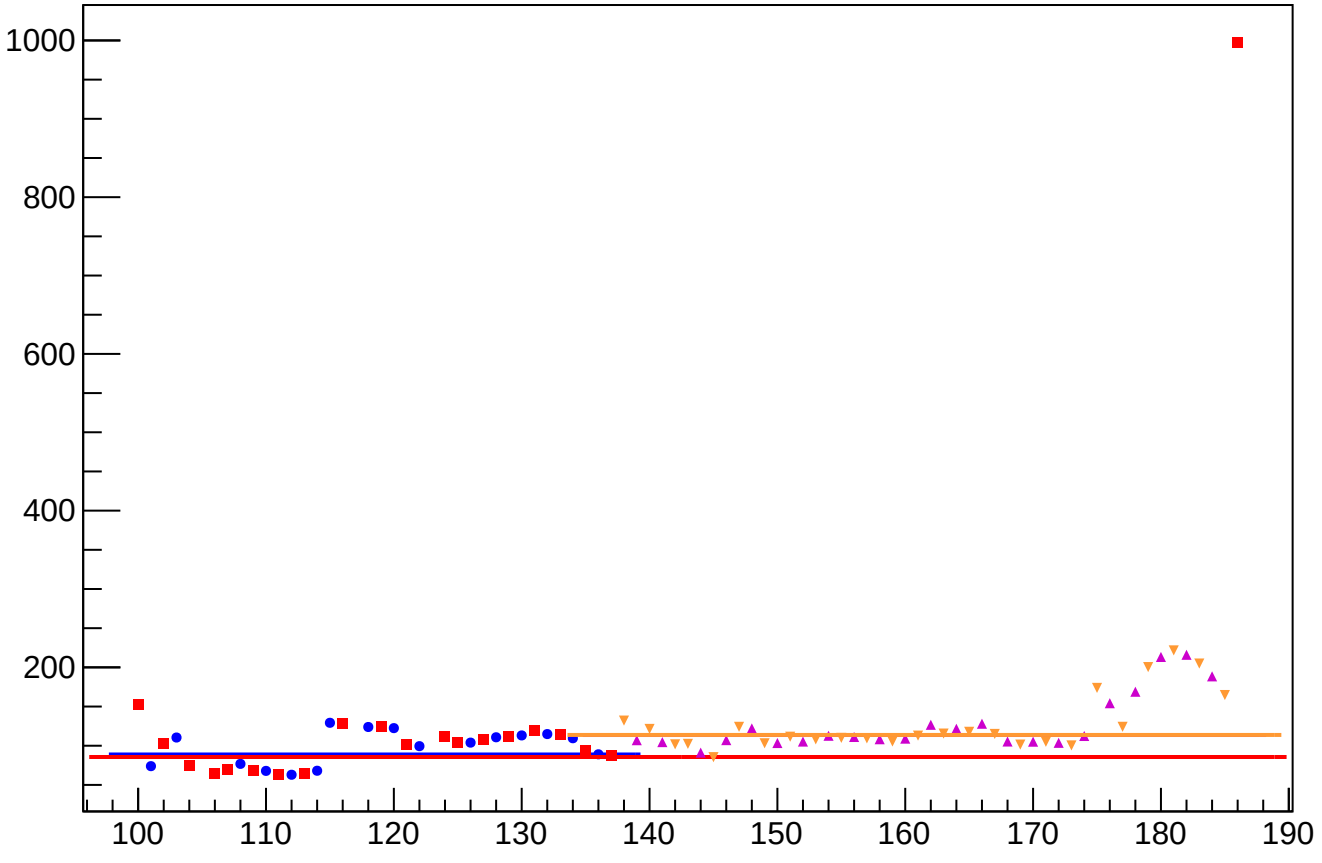
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 12.640+/-21.007 χ^2/NDF: 32.3/40

All: -29.326+/-14.836 χ^2/NDF: 86.9/83

- sign -71.083+/-20.955 χ^2/NDF: 46.7/42

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

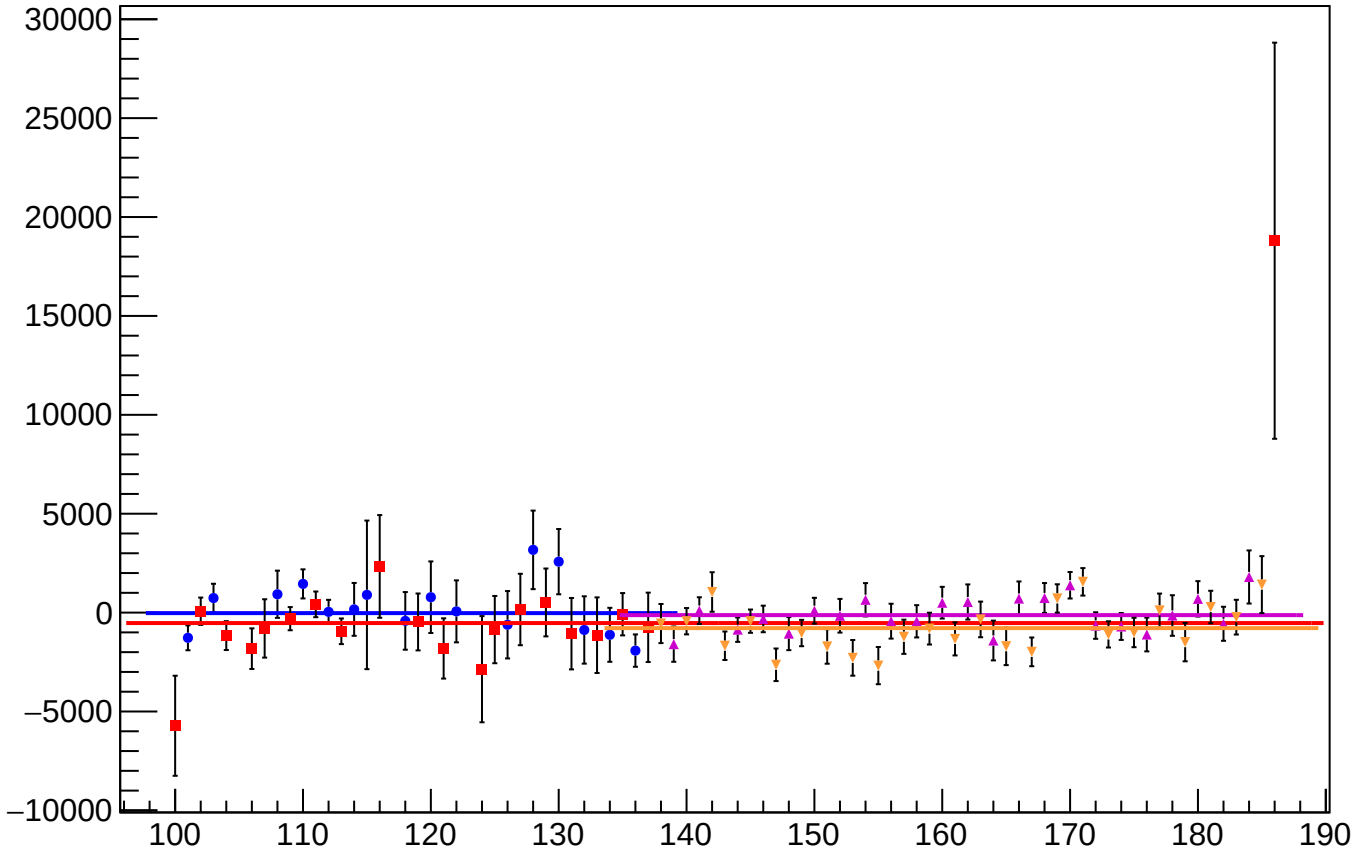
Right Out: 85.619+/-0.023 χ^2/NDF: 1560345.4/19

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 104.325+/-0.015 χ^2/NDF: 2968235.1/40

All: 103.211+/-0.010 χ^2/NDF: 6724805.1/83

- sign 102.103+/-0.015 χ^2/NDF: 3745345.9/42



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

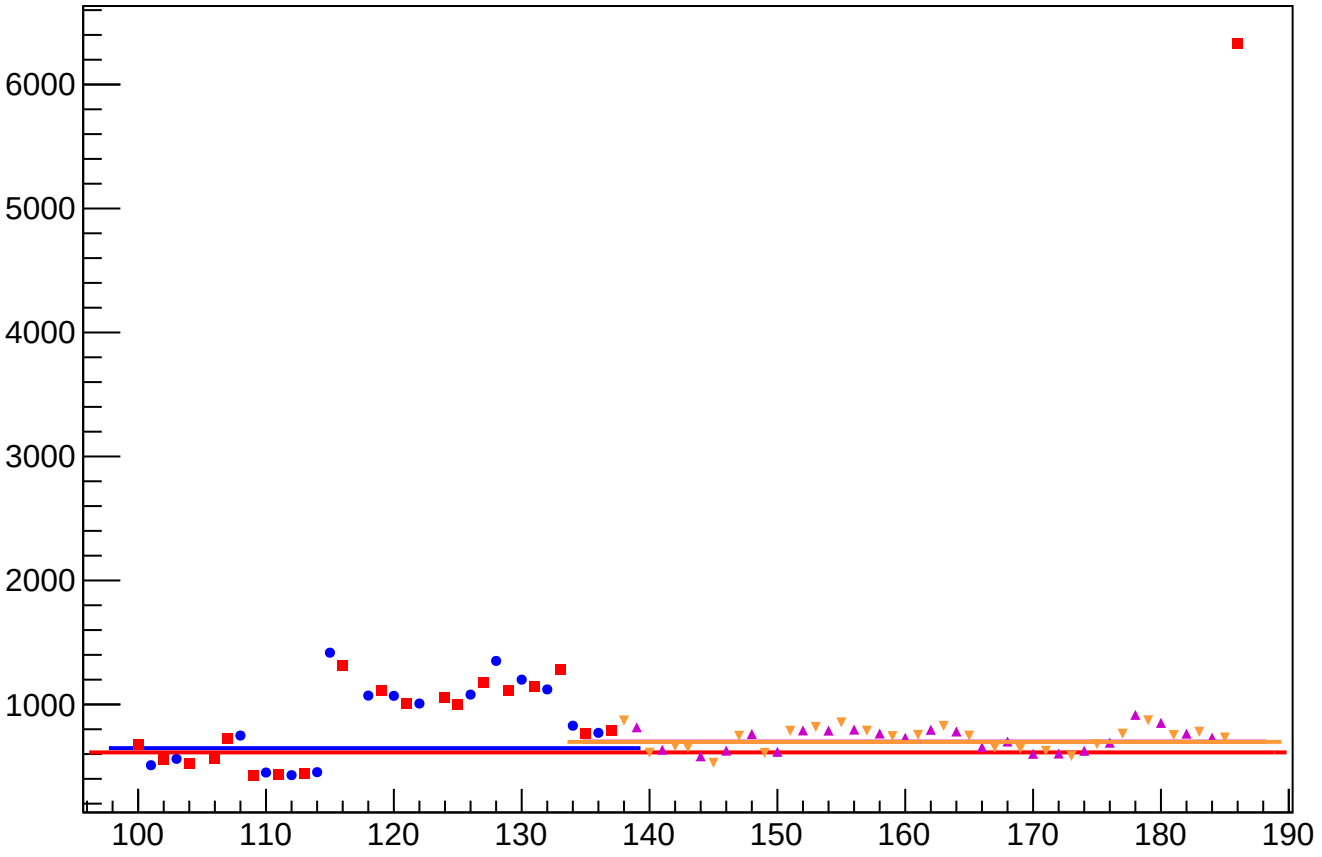
Right Out: -528.415+/-241.168 χ^2/NDF: 17.4/19

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -574.328+/-136.475 χ^2/NDF: 73.1/40

All: -415.006+/-96.448 χ^2/NDF: 117.8/83

- sign -256.043+/-136.322 χ^2/NDF: 42.0/42



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 613.378+/-0.171 χ^2/NDF: 2726558.9/19

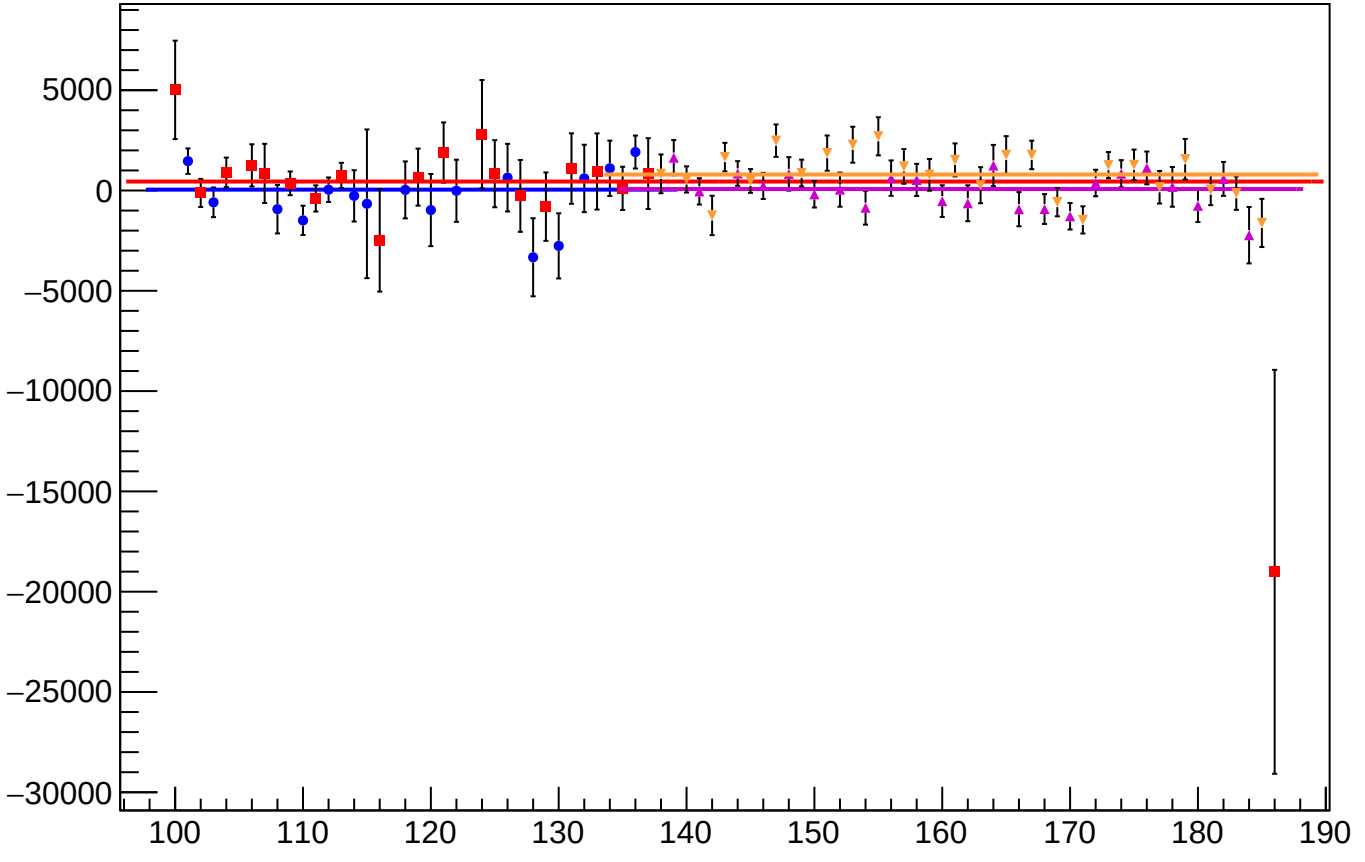
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 684.231+/-0.097 χ^2/NDF: 2657534.0/40

All: 678.297+/-0.068 χ^2/NDF: 6151855.8/83

- sign 672.377+/-0.096 χ^2/NDF: 3486768.2/42

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 446.952+/-241.048 χ^2/NDF: 15.0/19

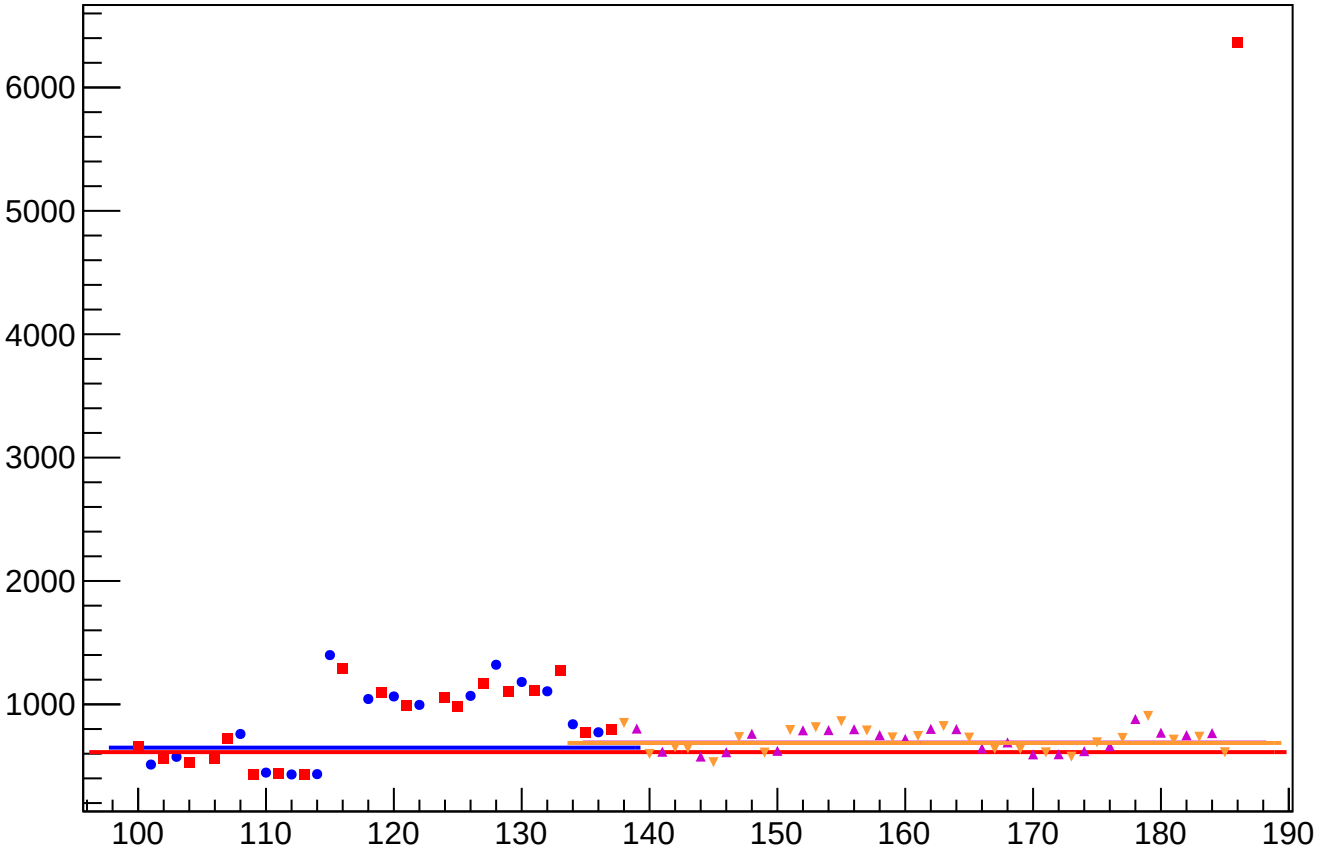
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 593.122+/-135.083 χ^2/NDF: 75.7/40

All: 391.656+/-95.474 χ^2/NDF: 121.7/83

- sign 190.564+/-134.958 χ^2/NDF: 41.5/42

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

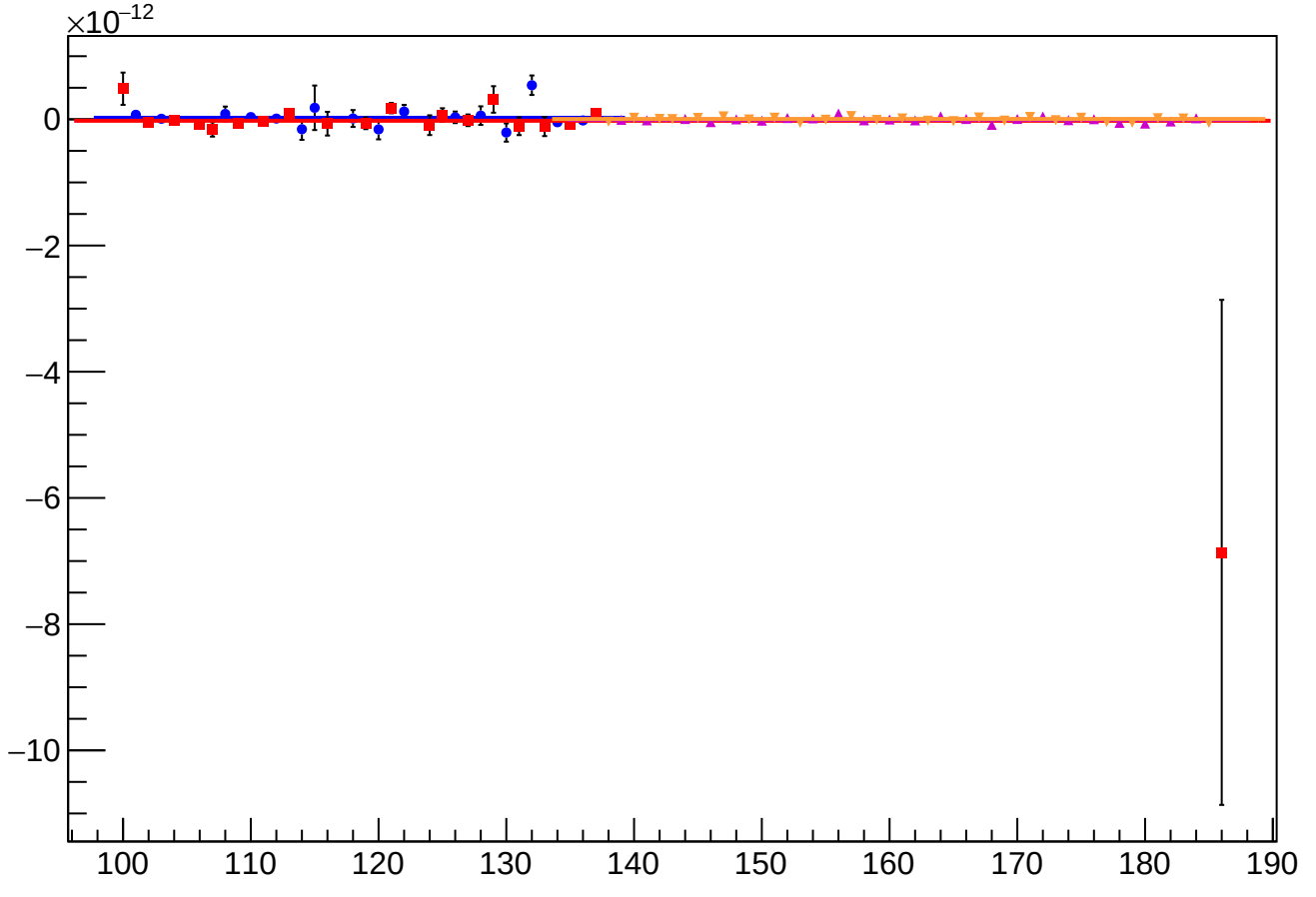
Right Out: 612.815+/-0.170 χ^2/NDF: 2696580.7/19

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 676.928+/-0.096 χ^2/NDF: 2605280.8/40

All: 671.360+/-0.068 χ^2/NDF: 6016511.8/83

- sign 665.803+/-0.095 χ^2/NDF: 3404442.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

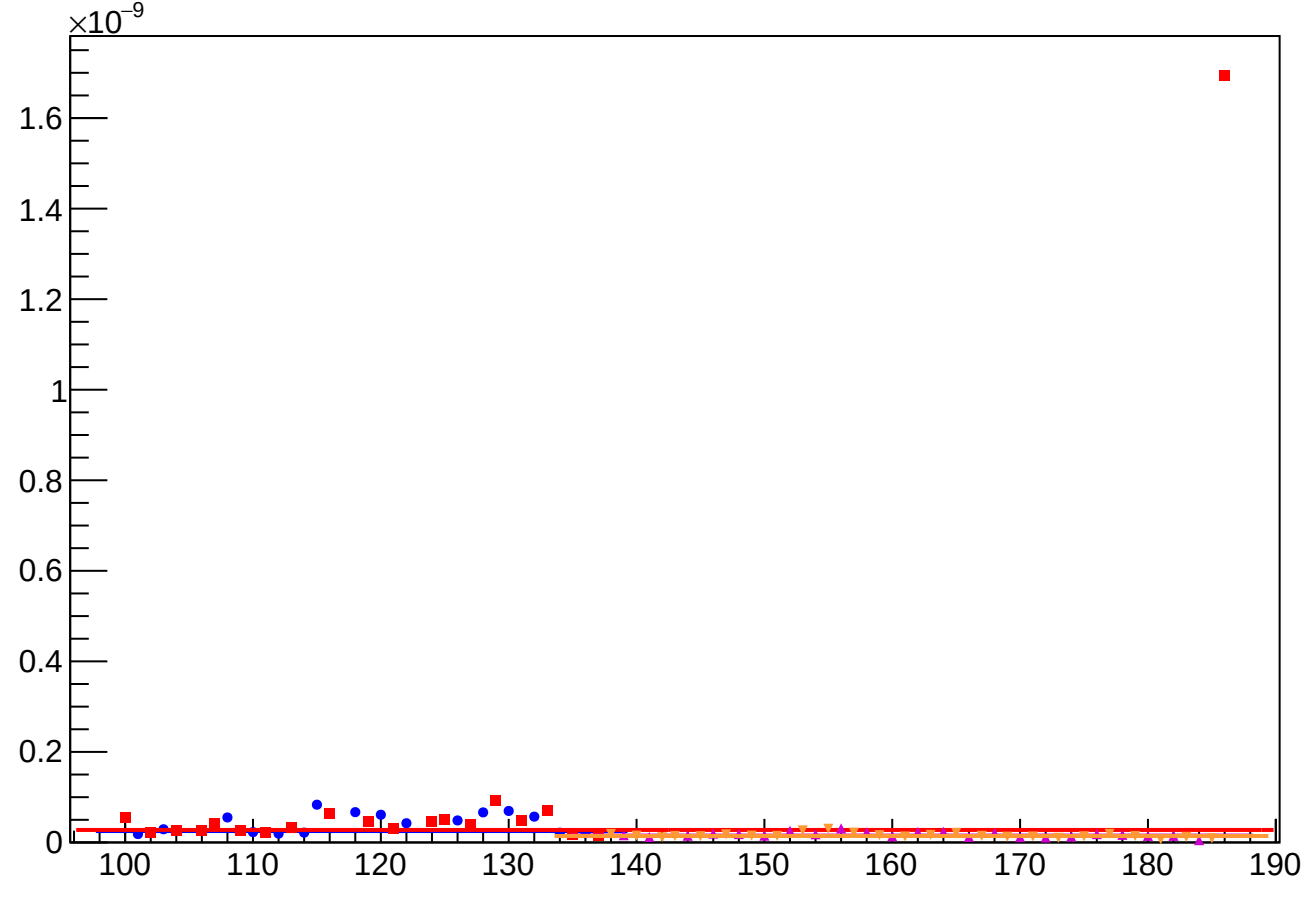
Right Out: -0.000+/-0.000 χ^2/NDF: 28.6/19

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.0/40

All: 0.000+/-0.000 χ^2/NDF: 106.7/83

- sign -0.000+/-0.000 χ^2/NDF: 56.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

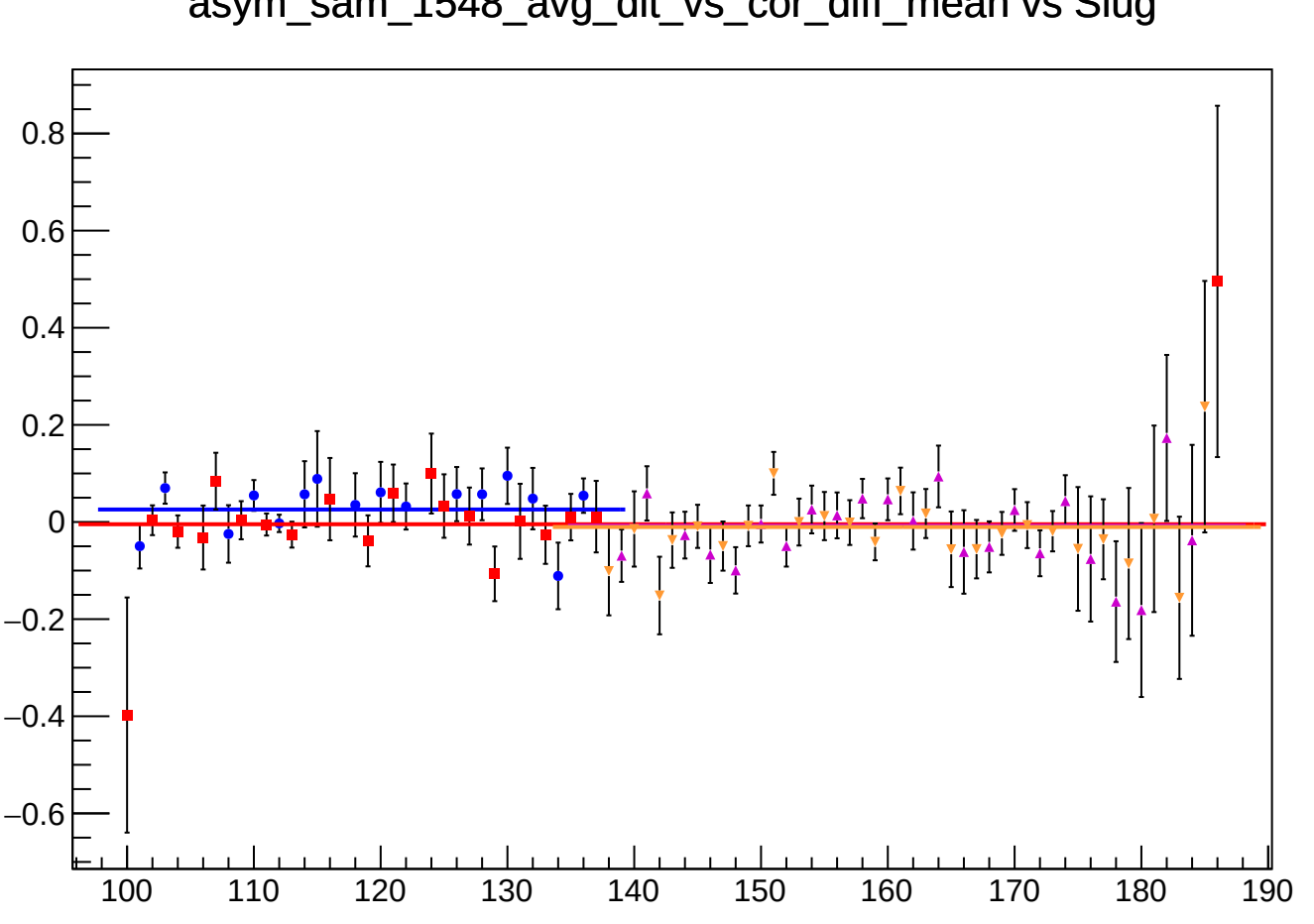
Right Out: 0.000+/-0.000 χ^2/NDF: 1335275.8/19

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3212578.7/40

All: 0.000+/-0.000 χ^2/NDF: 6713925.7/83

- sign 0.000+/-0.000 χ^2/NDF: 3461578.6/42



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.005+/-0.010 χ^2/NDF: 15.5/19

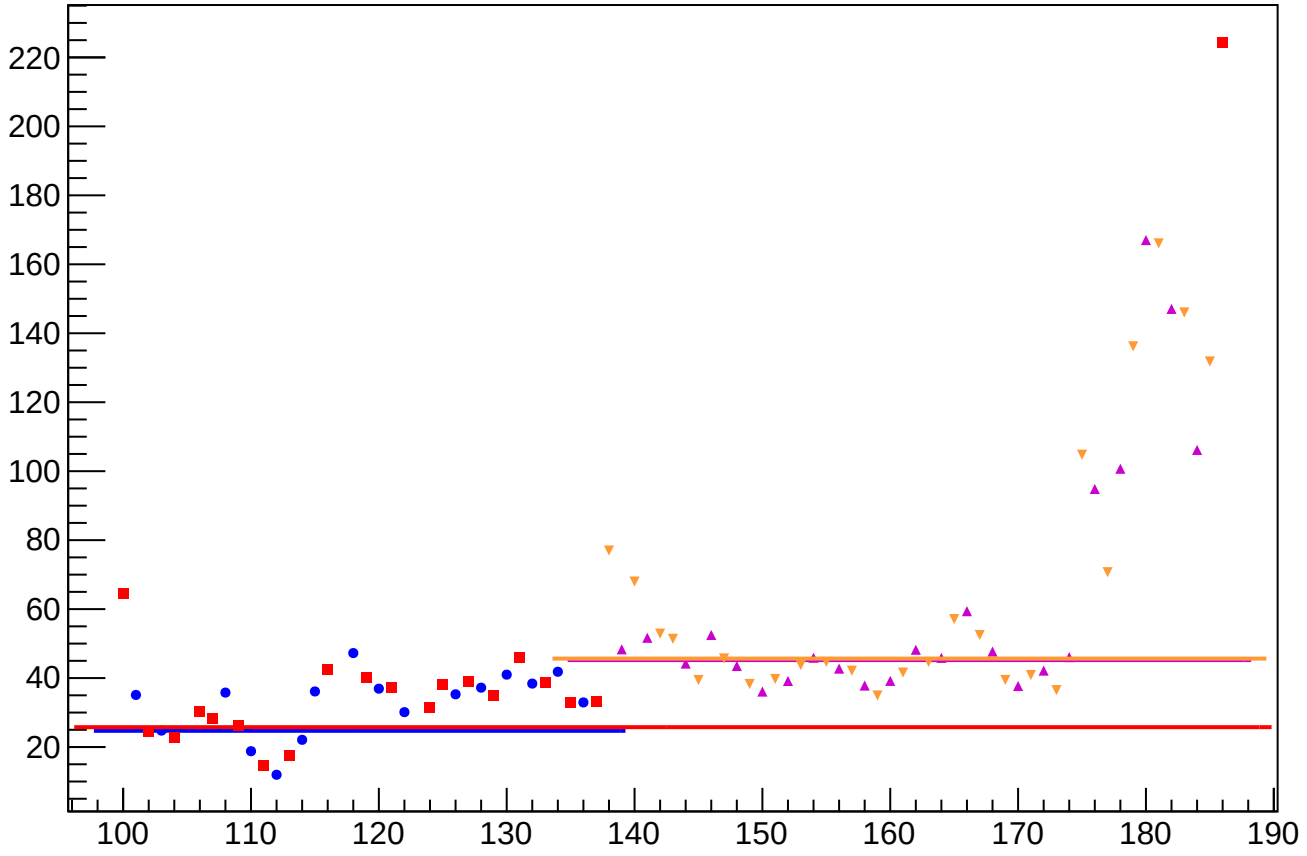
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.008 χ^2/NDF: 40.1/40

All: 0.002+/-0.005 χ^2/NDF: 80.9/83

- sign -0.006+/-0.008 χ^2/NDF: 38.9/42

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

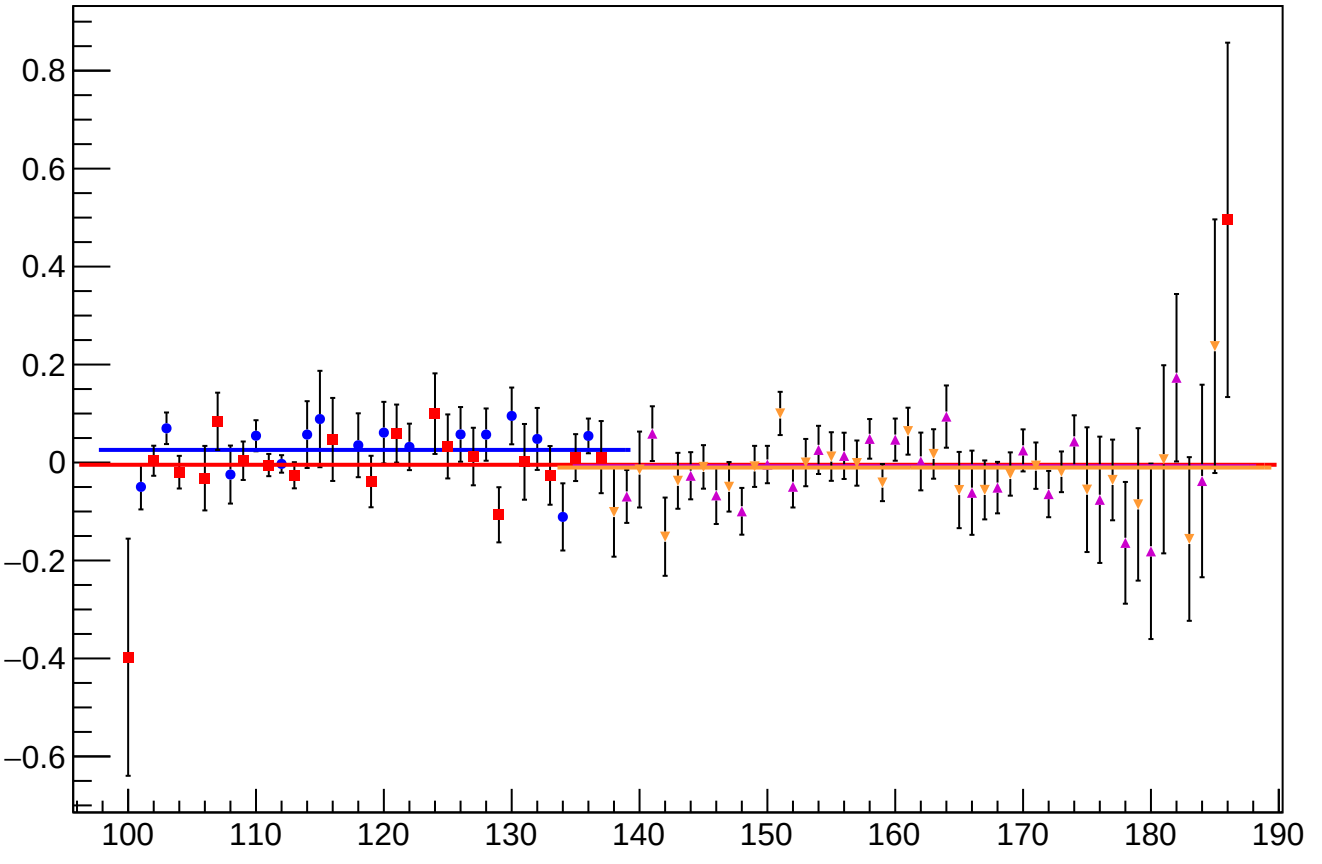
Right Out: 25.760+/-0.007 χ^2/NDF: 2208263.9/19

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

\+ sign 34.294+/-0.005 χ^2/NDF: 10051158.5/40

All: 34.413+/-0.004 χ^2/NDF: 18443516.9/83

\- sign 34.532+/-0.005 χ^2/NDF: 8391389.0/42



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

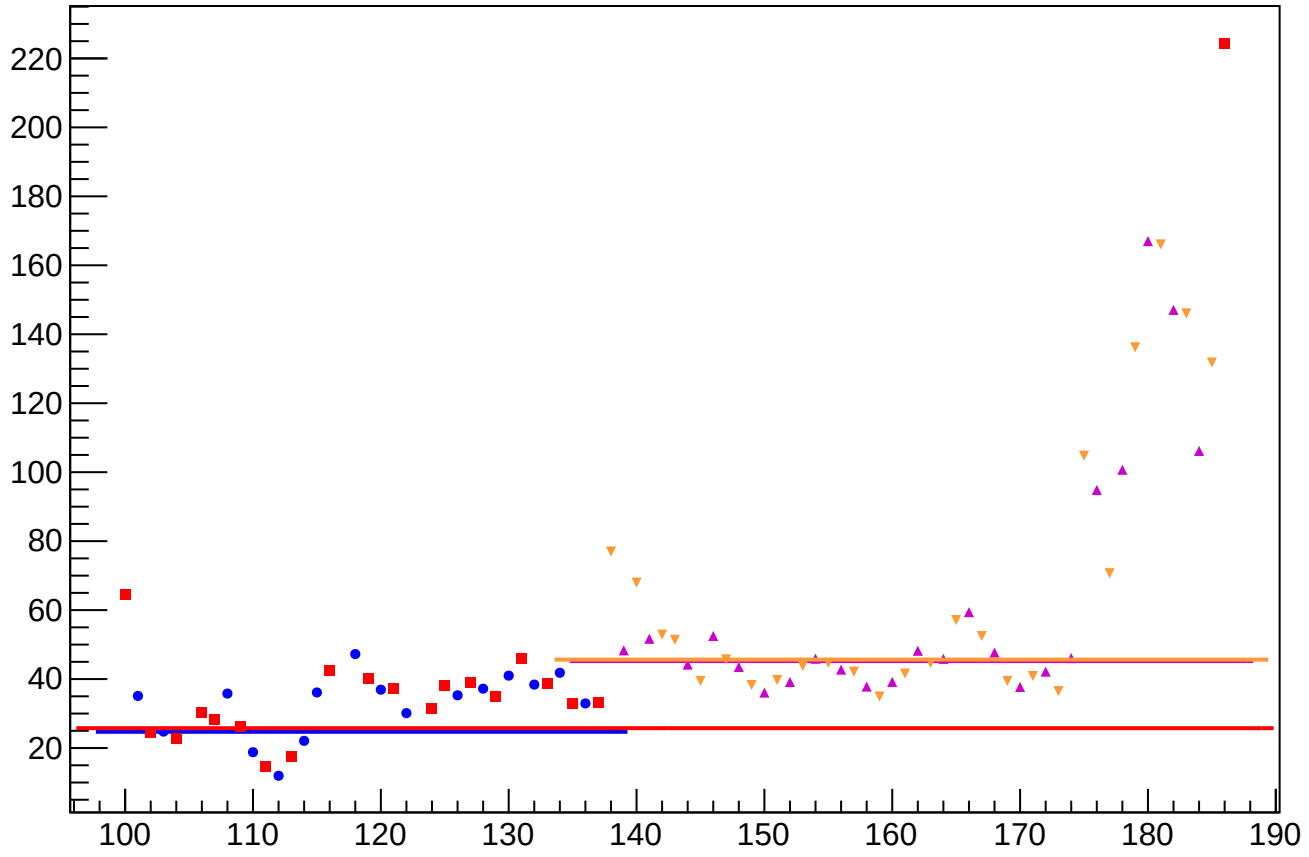
Right Out: -0.005+/-0.010 χ^2/NDF: 15.5/19

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.008 χ^2/NDF: 40.1/40

All: 0.002+/-0.005 χ^2/NDF: 80.9/83

- sign -0.006+/-0.008 χ^2/NDF: 38.9/42



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Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

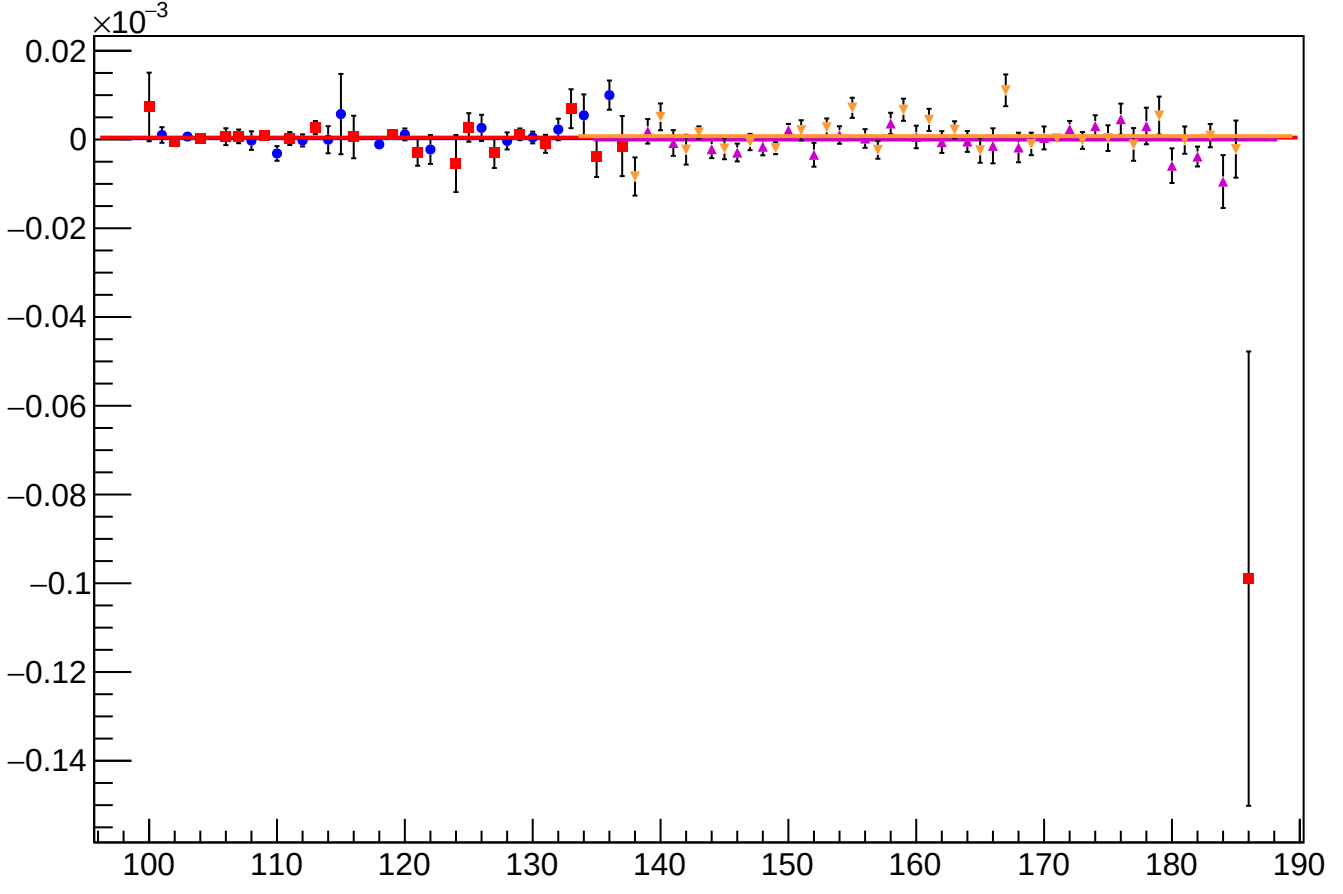
Right Out: 25.760+/-0.007 χ^2/NDF: 2208263.9/19

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 34.294+/-0.005 χ^2/NDF: 10051158.5/40

All: 34.413+/-0.004 χ^2/NDF: 18443516.9/83

- sign 34.532+/-0.005 χ^2/NDF: 8391389.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

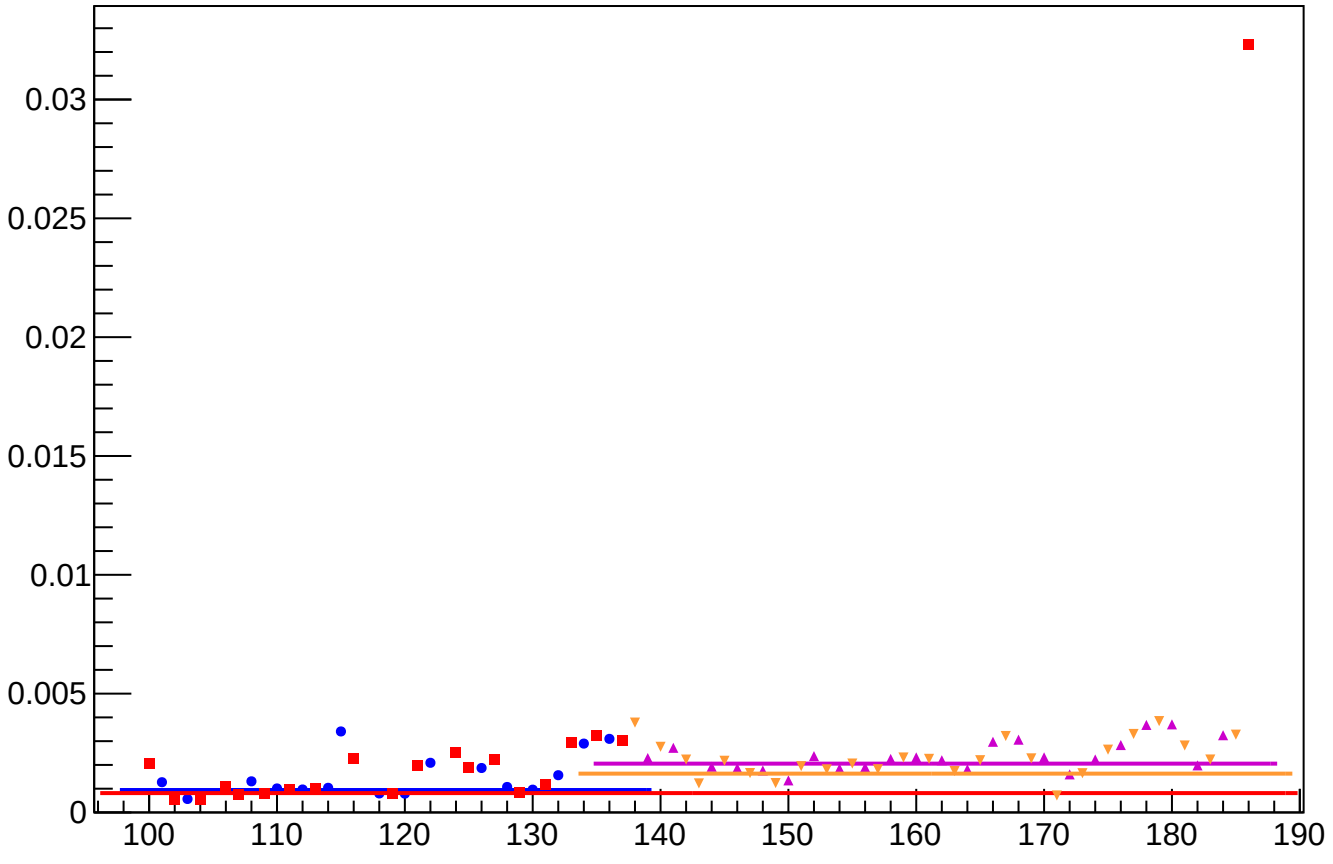
Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/19

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.1/40

All: 0.000+/-0.000 χ^2/NDF: 107.9/83

- sign 0.000+/-0.000 χ^2/NDF: 41.4/42



Right In: 0.001+/-0.000 χ^2/NDF: 2665853.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

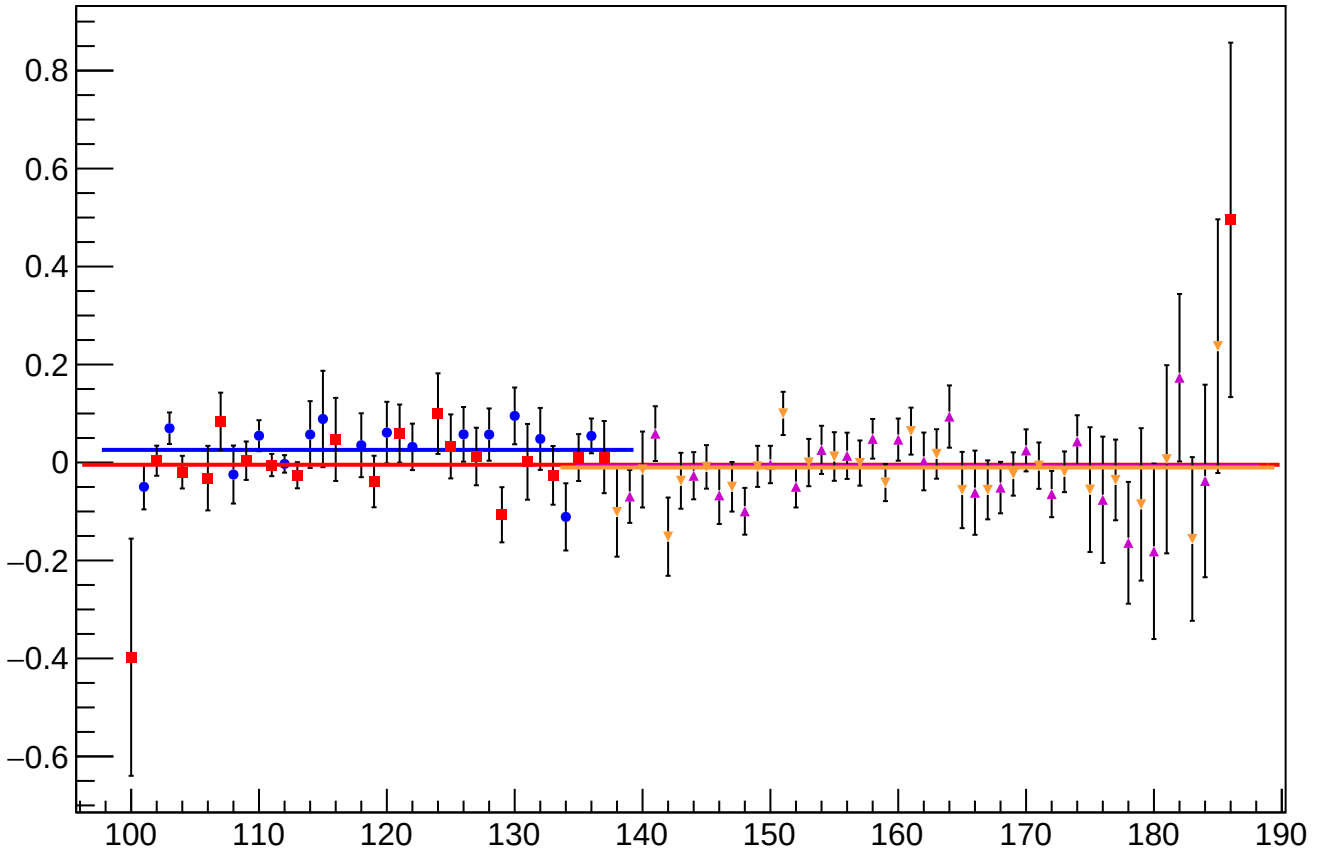
Right Out: 0.001+/-0.000 χ^2/NDF: 4001182.8/19

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 12042254.6/40

All: 0.001+/-0.000 χ^2/NDF: 26569582.3/83

- sign 0.001+/-0.000 χ^2/NDF: 14461950.6/42



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

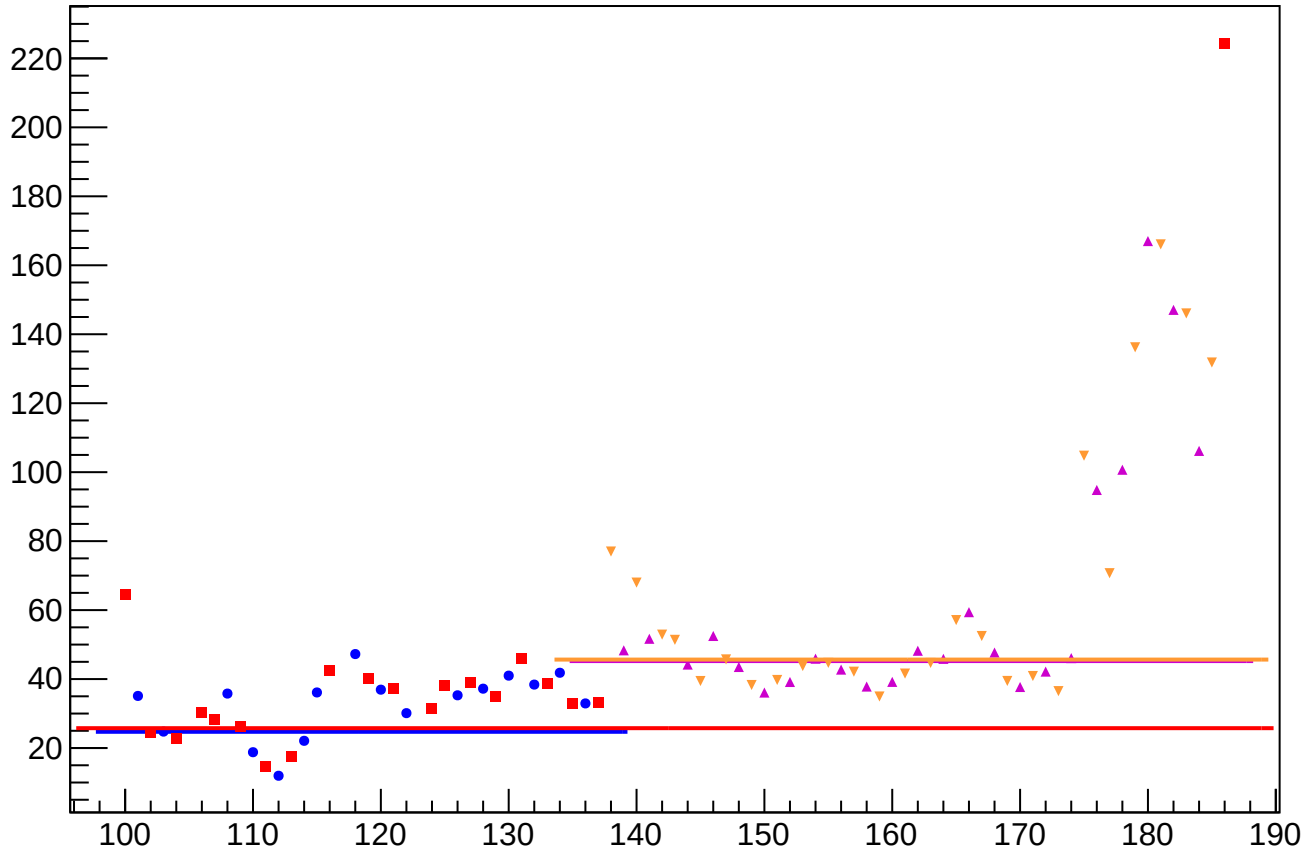
Right Out: -0.005+/-0.010 χ^2/NDF: 15.5/19

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.008 χ^2/NDF: 40.1/40

All: 0.002+/-0.005 χ^2/NDF: 80.9/83

- sign -0.006+/-0.008 χ^2/NDF: 38.9/42



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

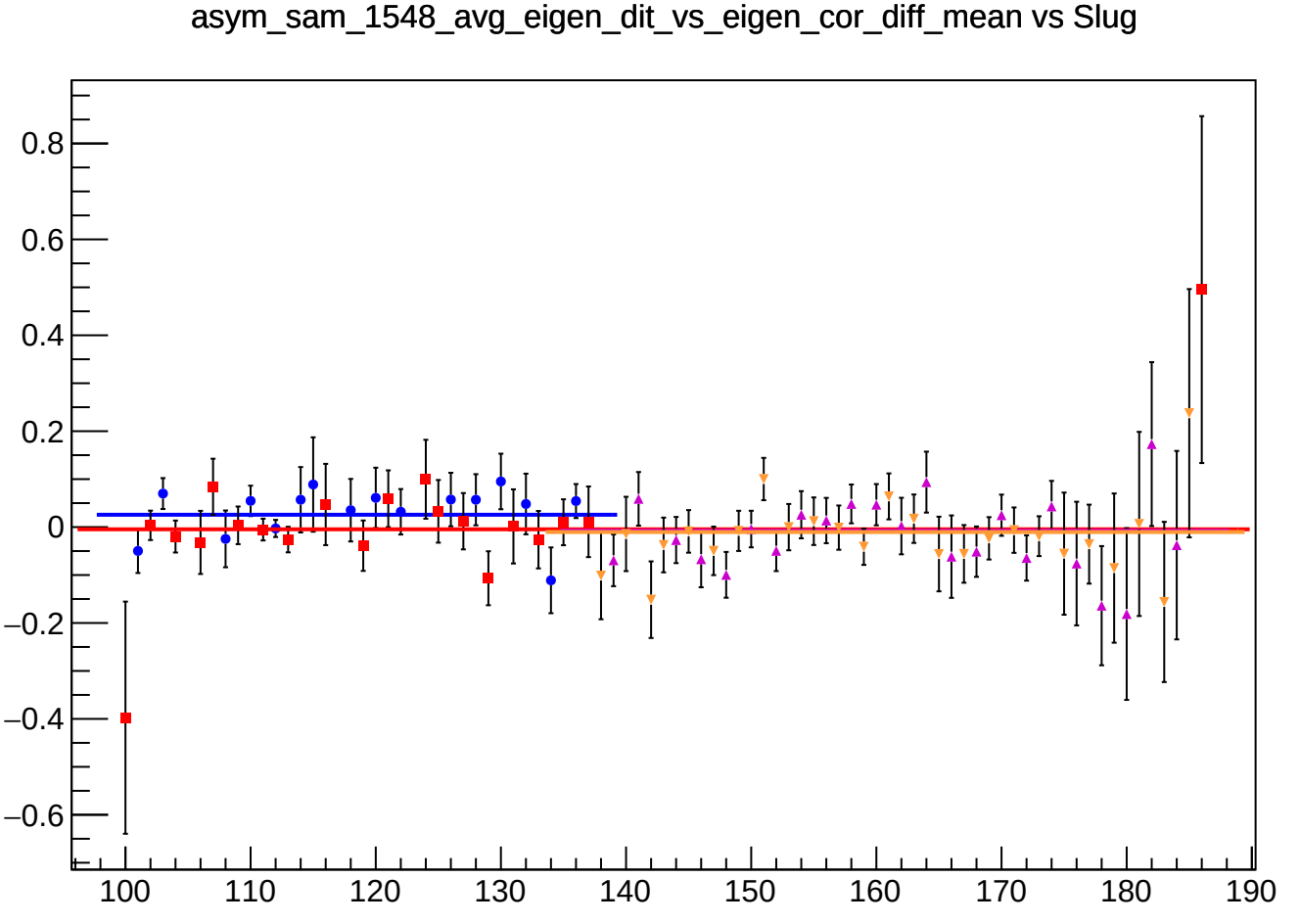
Right Out: 25.759+/-0.007 χ^2/NDF: 2208406.4/19

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.294+/-0.005 χ^2/NDF: 10051619.4/40

All: 34.412+/-0.004 χ^2/NDF: 18444313.5/83

- sign 34.532+/-0.005 χ^2/NDF: 8391723.5/42



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

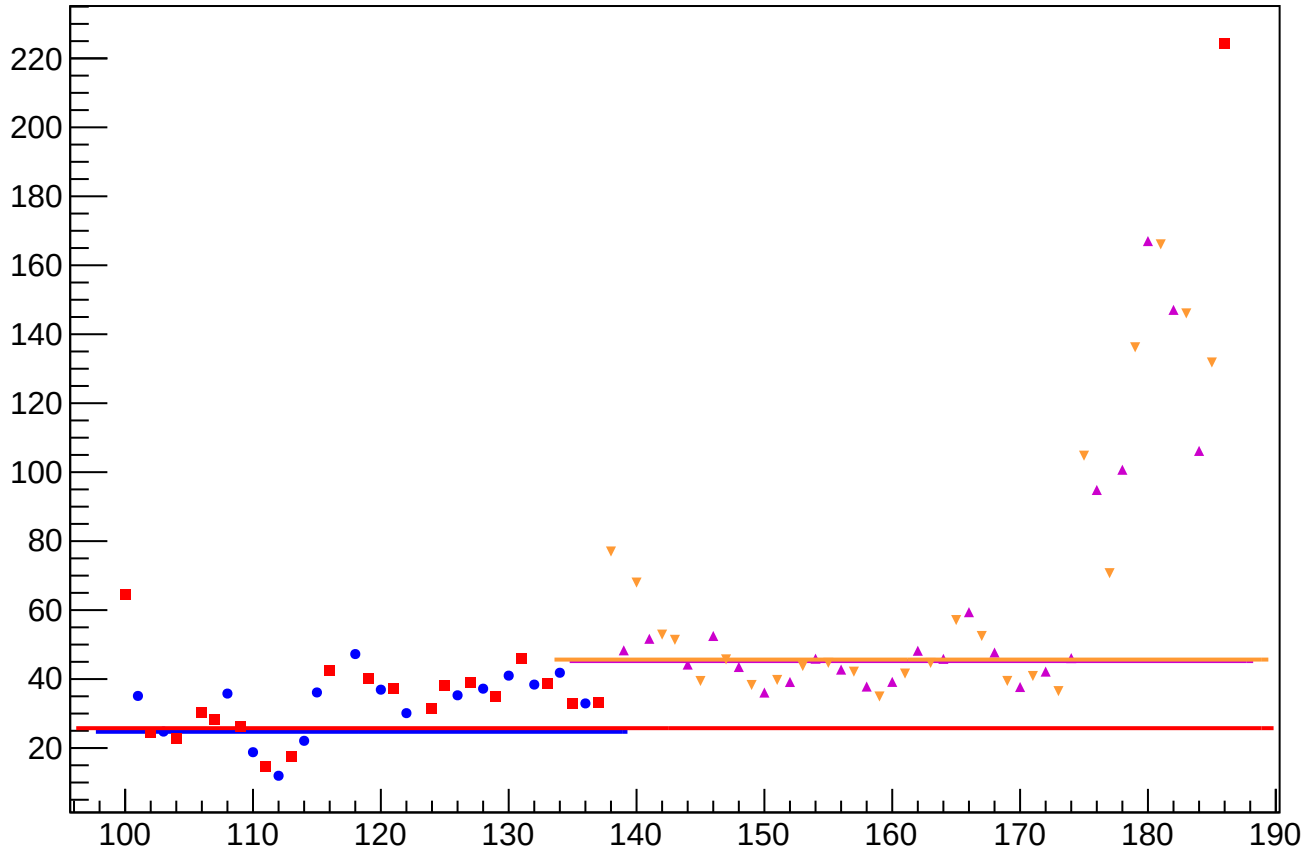
Right Out: -0.005+/-0.010 χ^2/NDF: 15.5/19

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.008 χ^2/NDF: 40.1/40

All: 0.002+/-0.005 χ^2/NDF: 80.9/83

- sign -0.006+/-0.008 χ^2/NDF: 38.9/42



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

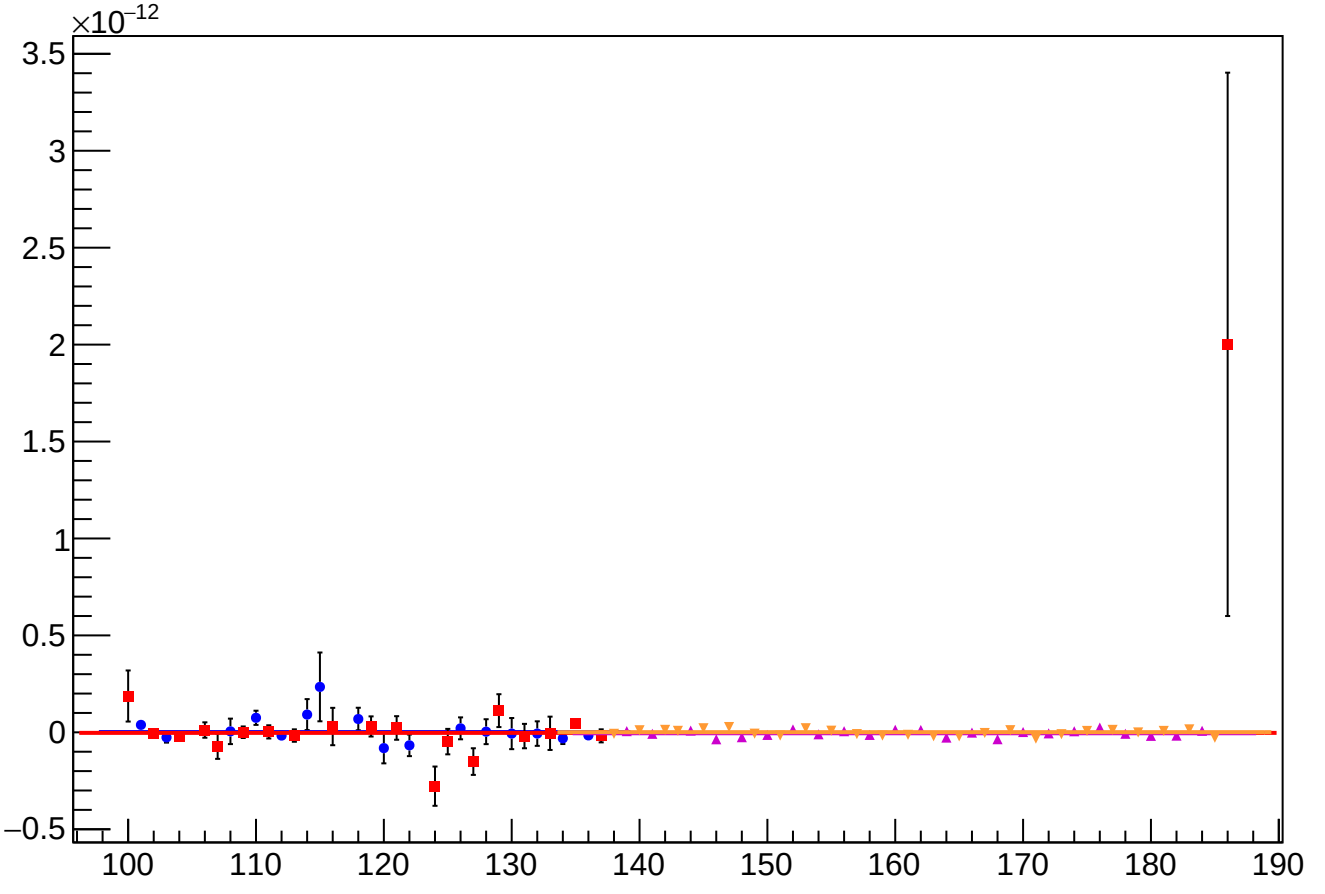
Right Out: 25.759+/-0.007 χ^2/NDF: 2208406.4/19

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.294+/-0.005 χ^2/NDF: 10051619.4/40

All: 34.412+/-0.004 χ^2/NDF: 18444313.5/83

- sign 34.532+/-0.005 χ^2/NDF: 8391723.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

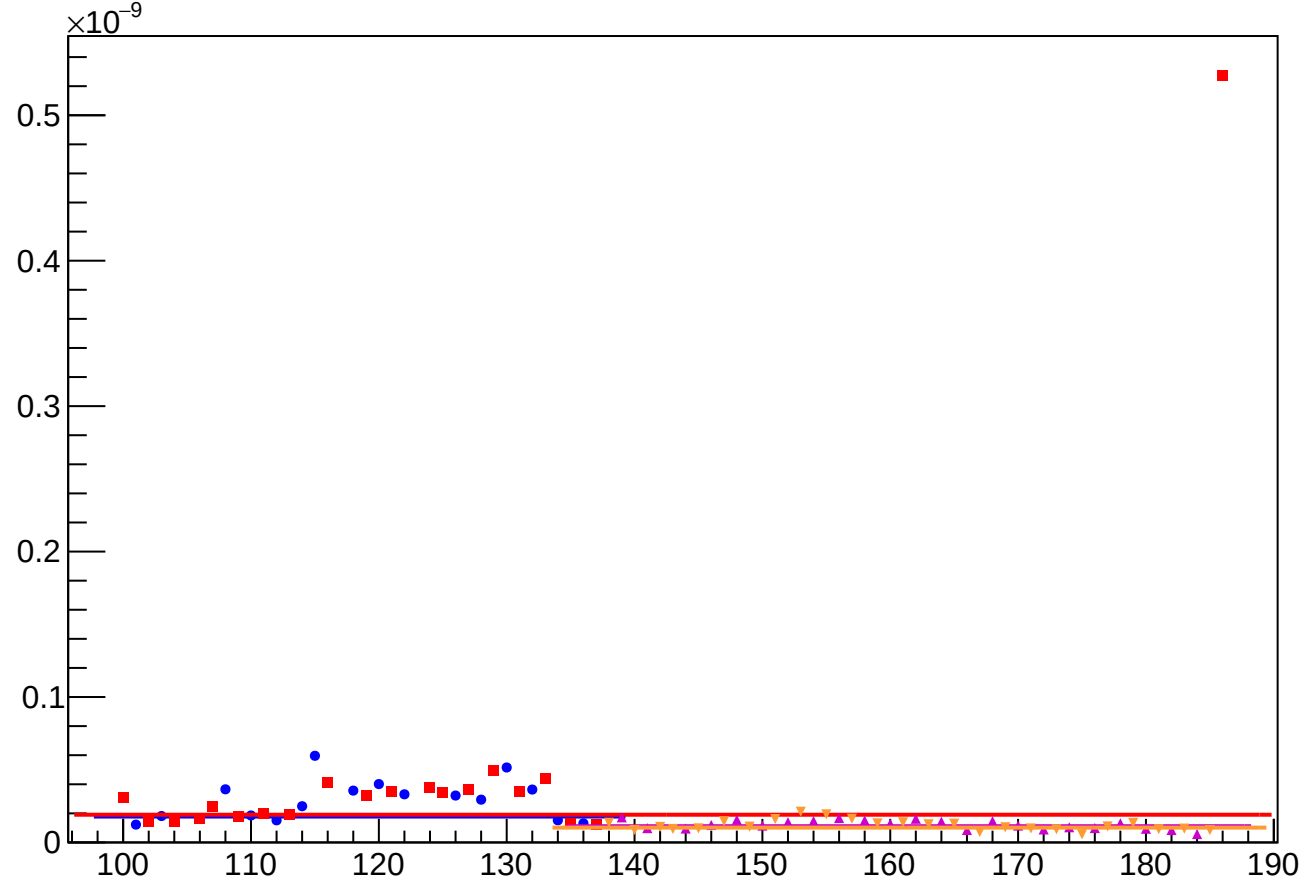
Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/19

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.1/40

All: -0.000+/-0.000 χ^2/NDF: 95.1/83

- sign -0.000+/-0.000 χ^2/NDF: 49.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1883840.3/19

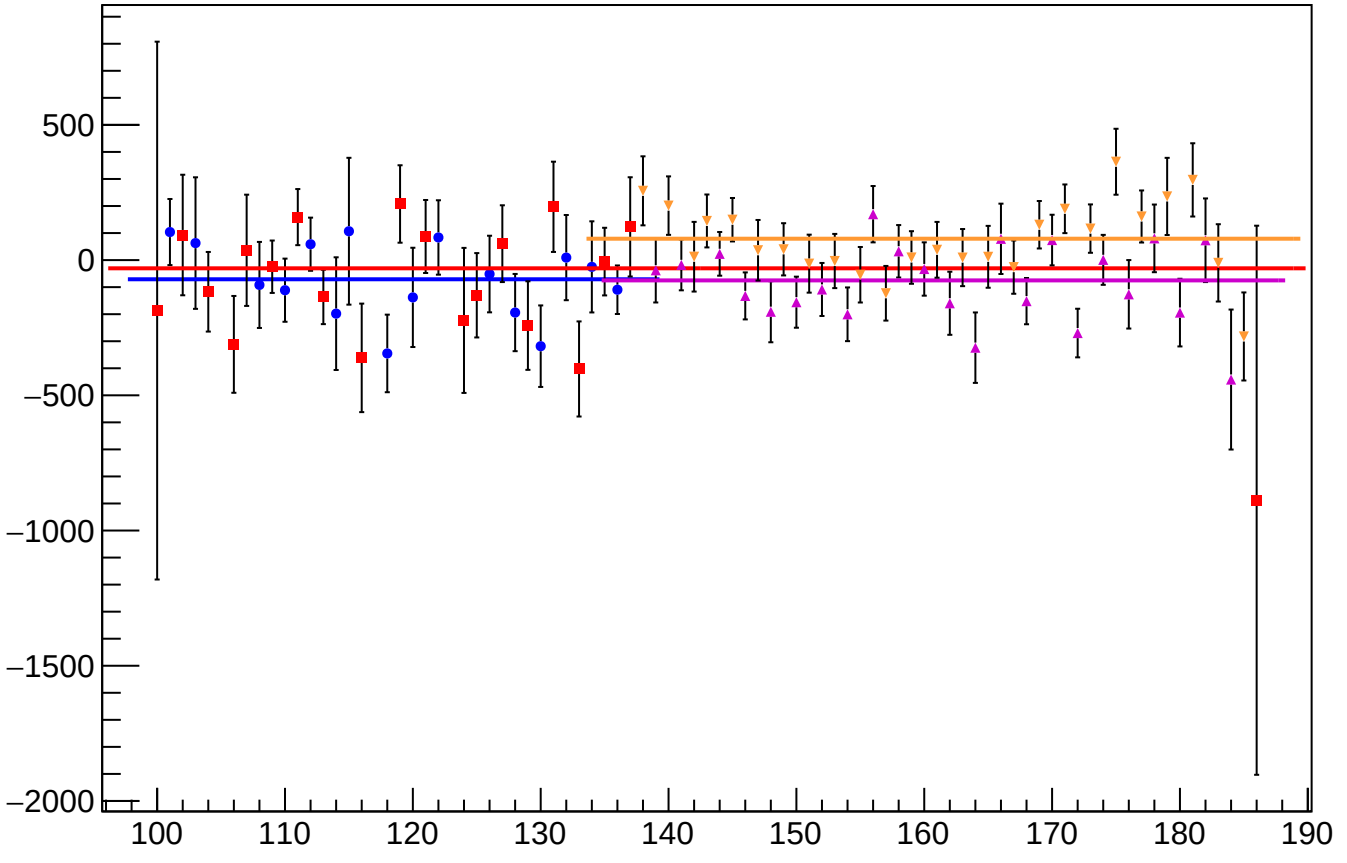
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5510976.4/40

All: 0.000+/-0.000 χ^2/NDF: 10395613.0/83

- sign 0.000+/-0.000 χ^2/NDF: 4753986.0/42

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -30.386+/-34.224 χ^2/NDF: 24.7/19

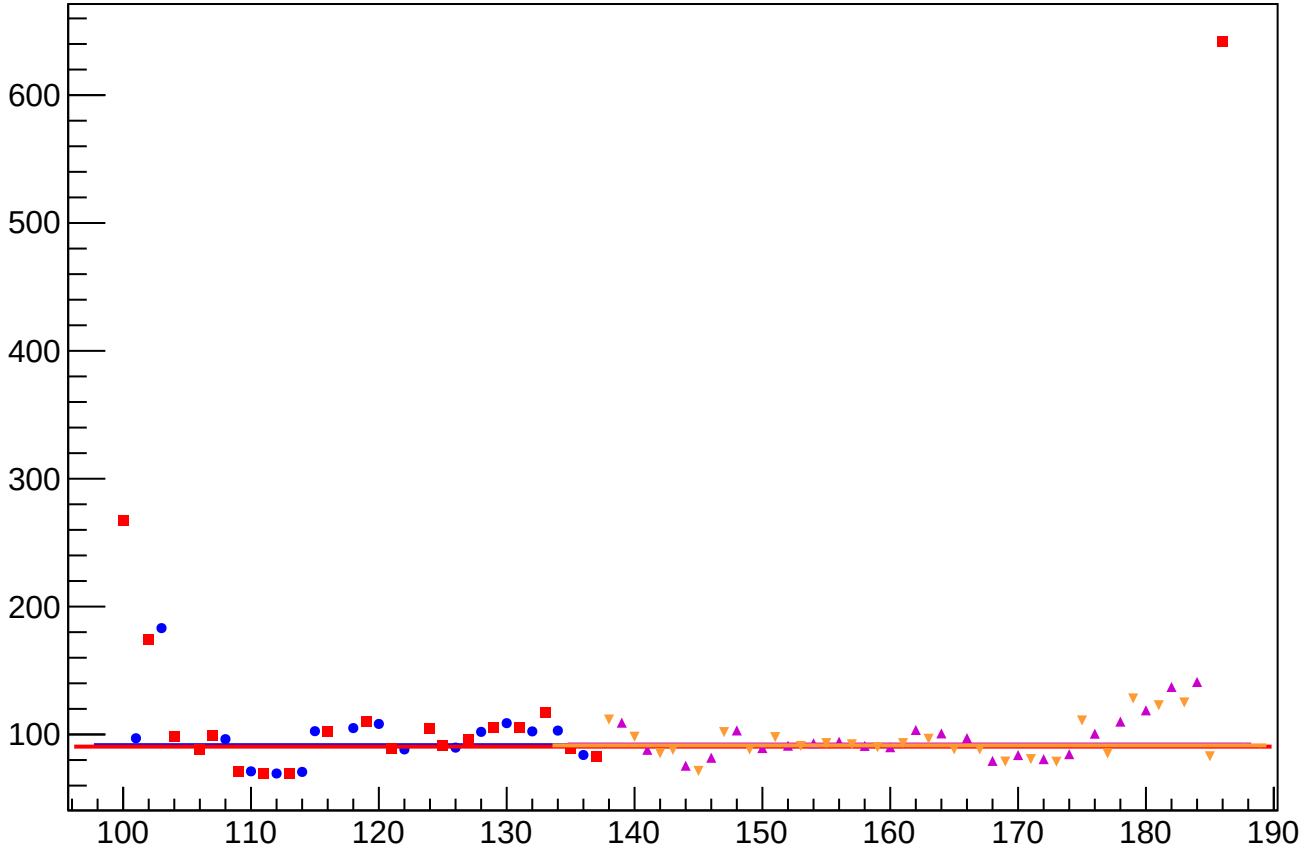
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 39.315+/-18.088 χ^2/NDF: 59.4/40

All: -10.515+/-12.902 χ^2/NDF: 133.5/83

- sign -62.126+/-18.409 χ^2/NDF: 58.6/42

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

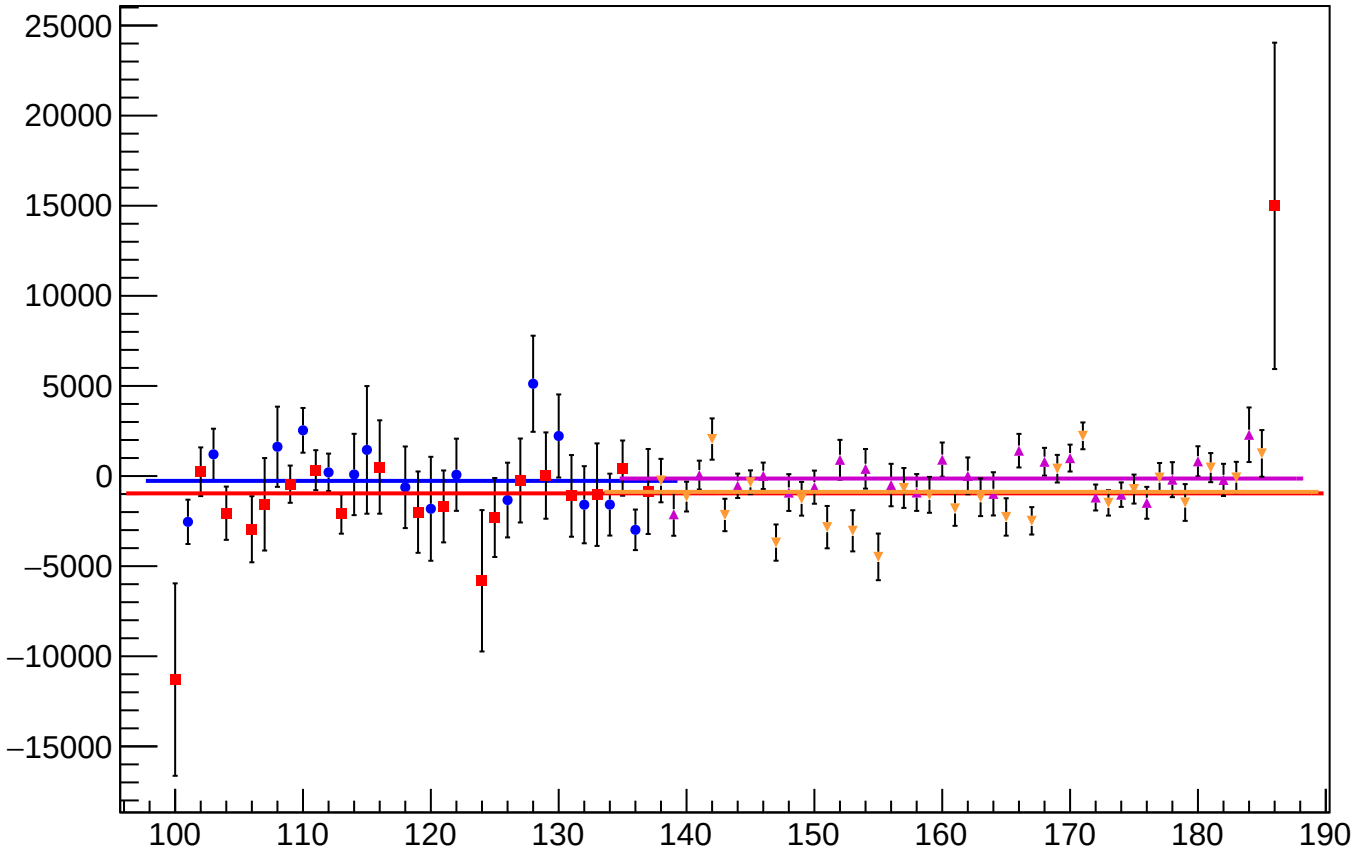
Right Out: 90.482+/-0.024 χ^2/NDF: 1336907.3/19

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 91.500+/-0.013 χ^2/NDF: 1331912.2/40

All: 91.565+/-0.009 χ^2/NDF: 3371641.1/83

- sign 91.632+/-0.013 χ^2/NDF: 2039676.9/42



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -961.411+/-400.432 χ^2/NDF: 15.8/19

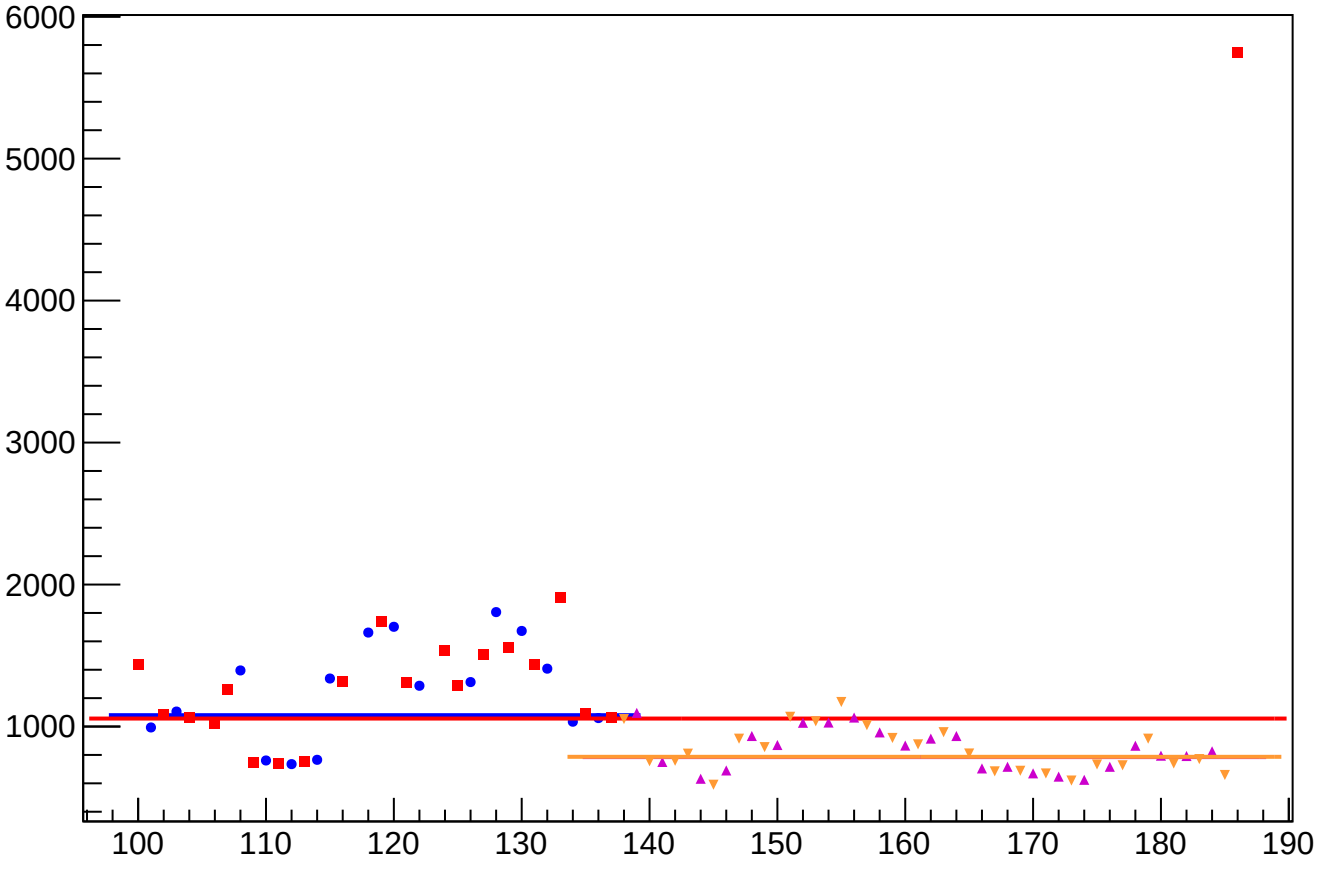
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -781.699+/-167.113 χ^2/NDF: 92.9/40

All: -536.541+/-118.869 χ^2/NDF: 140.7/83

- sign -285.468+/-169.117 χ^2/NDF: 43.4/42

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1056.258+/-0.283 χ^2/NDF: 1736331.2/19

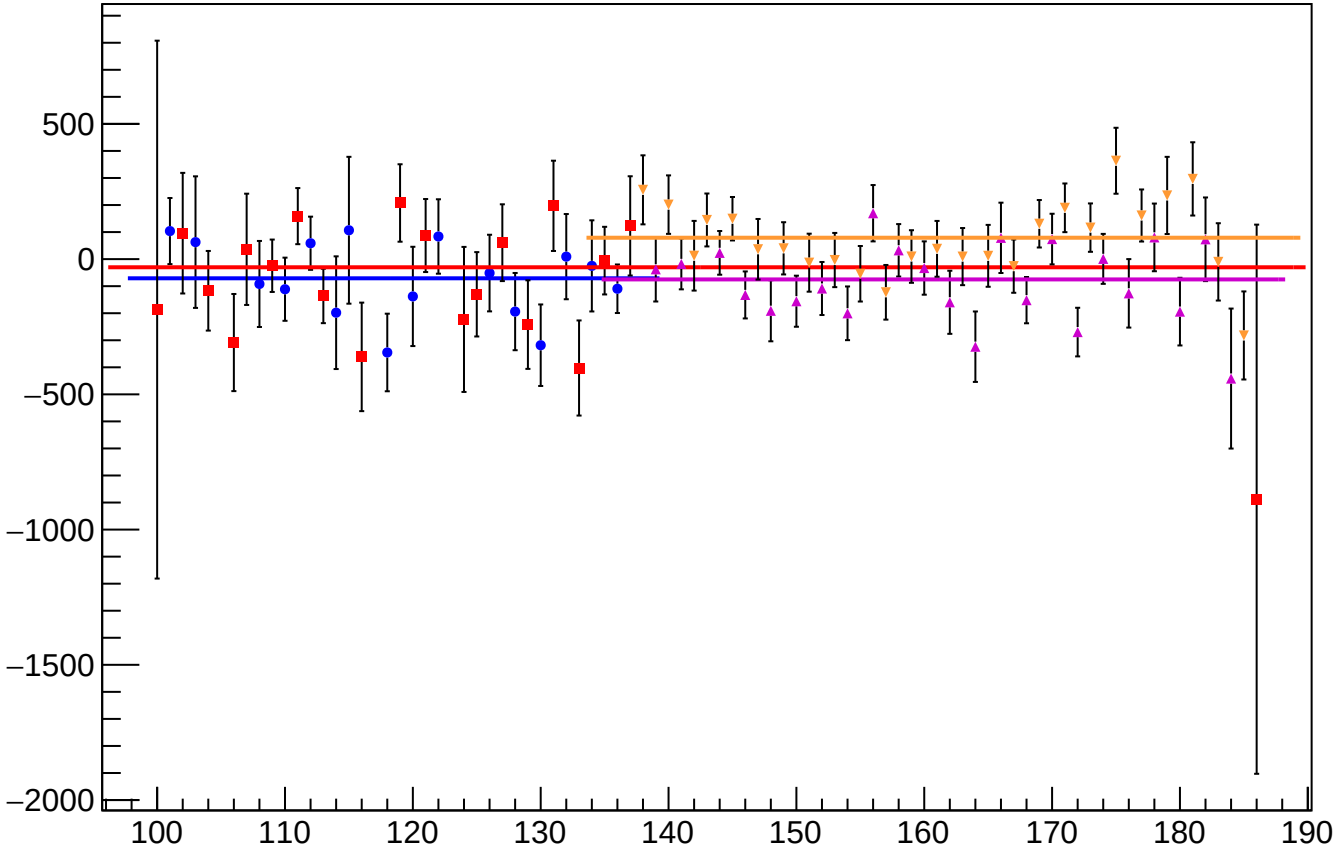
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 833.284+/-0.118 χ^2/NDF: 3086556.6/40

All: 833.266+/-0.084 χ^2/NDF: 6641637.6/83

- sign 833.247+/-0.120 χ^2/NDF: 3555080.9/42

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -30.135+/-34.228 χ^2/NDF: 24.7/19

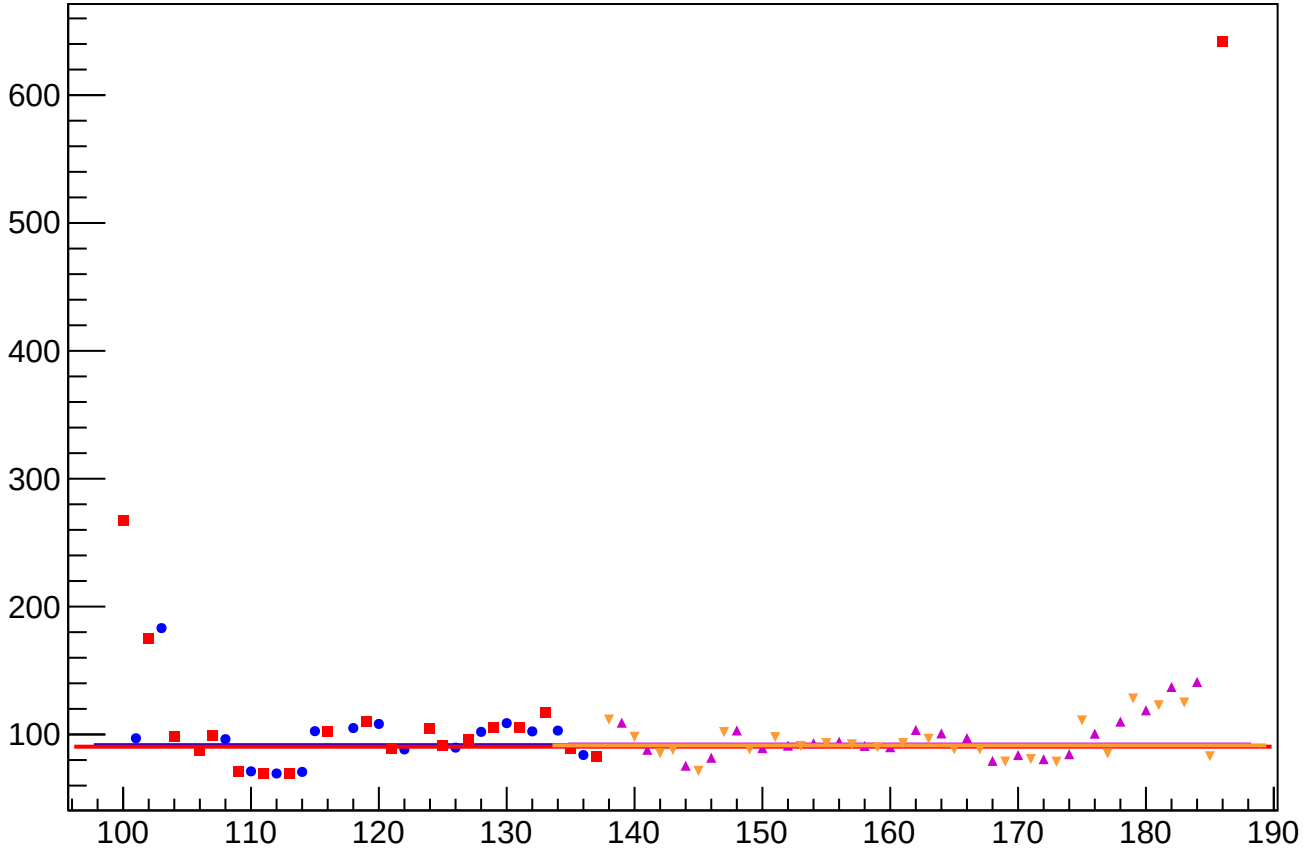
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 39.318+/-18.088 χ^2/NDF: 59.4/40

All: -10.478+/-12.902 χ^2/NDF: 133.4/83

- sign -62.056+/-18.409 χ^2/NDF: 58.5/42

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

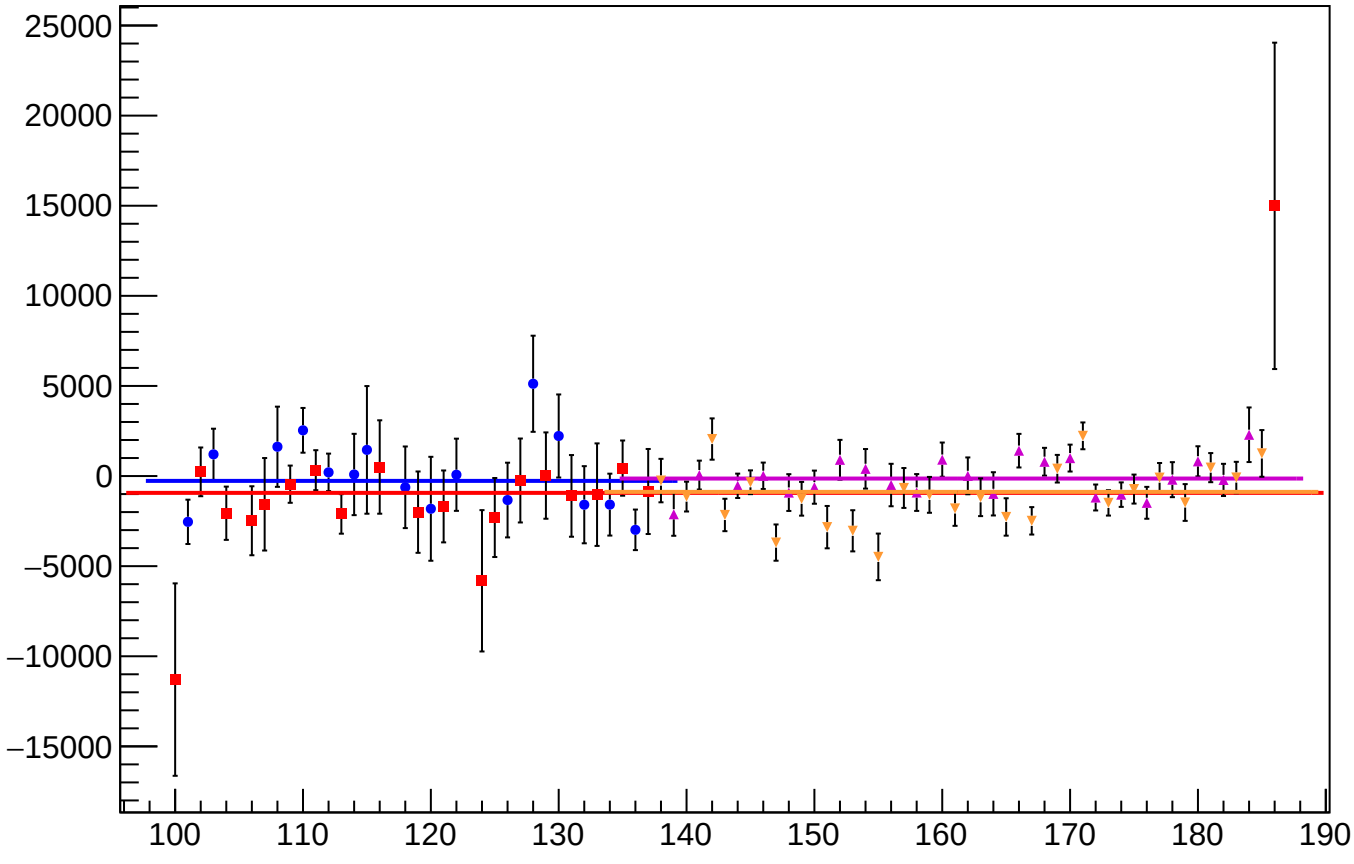
Right Out: 90.435+/-0.024 χ^2/NDF: 1337553.0/19

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 91.500+/-0.013 χ^2/NDF: 1331915.3/40

All: 91.558+/-0.009 χ^2/NDF: 3372467.6/83

- sign 91.619+/-0.013 χ^2/NDF: 2040510.4/42



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -933.655+/-401.238 χ^2/NDF: 15.2/19

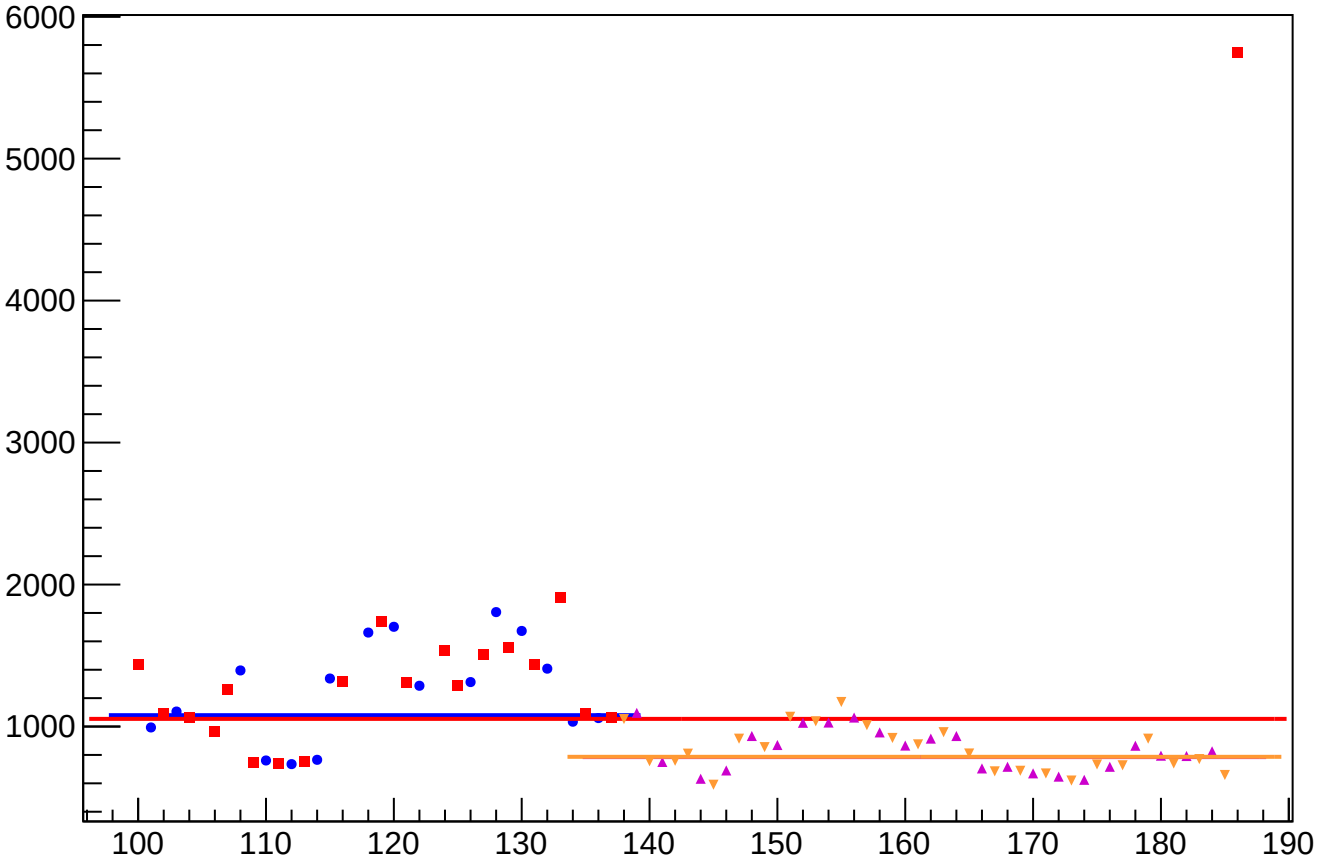
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

\+ sign -781.696+/-167.114 χ^2/NDF: 92.9/40

All: -533.953+/-118.890 χ^2/NDF: 140.0/83

\- sign -280.051+/-169.178 χ^2/NDF: 42.6/42

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1053.949+/-0.284 χ^2/NDF: 1740044.6/19

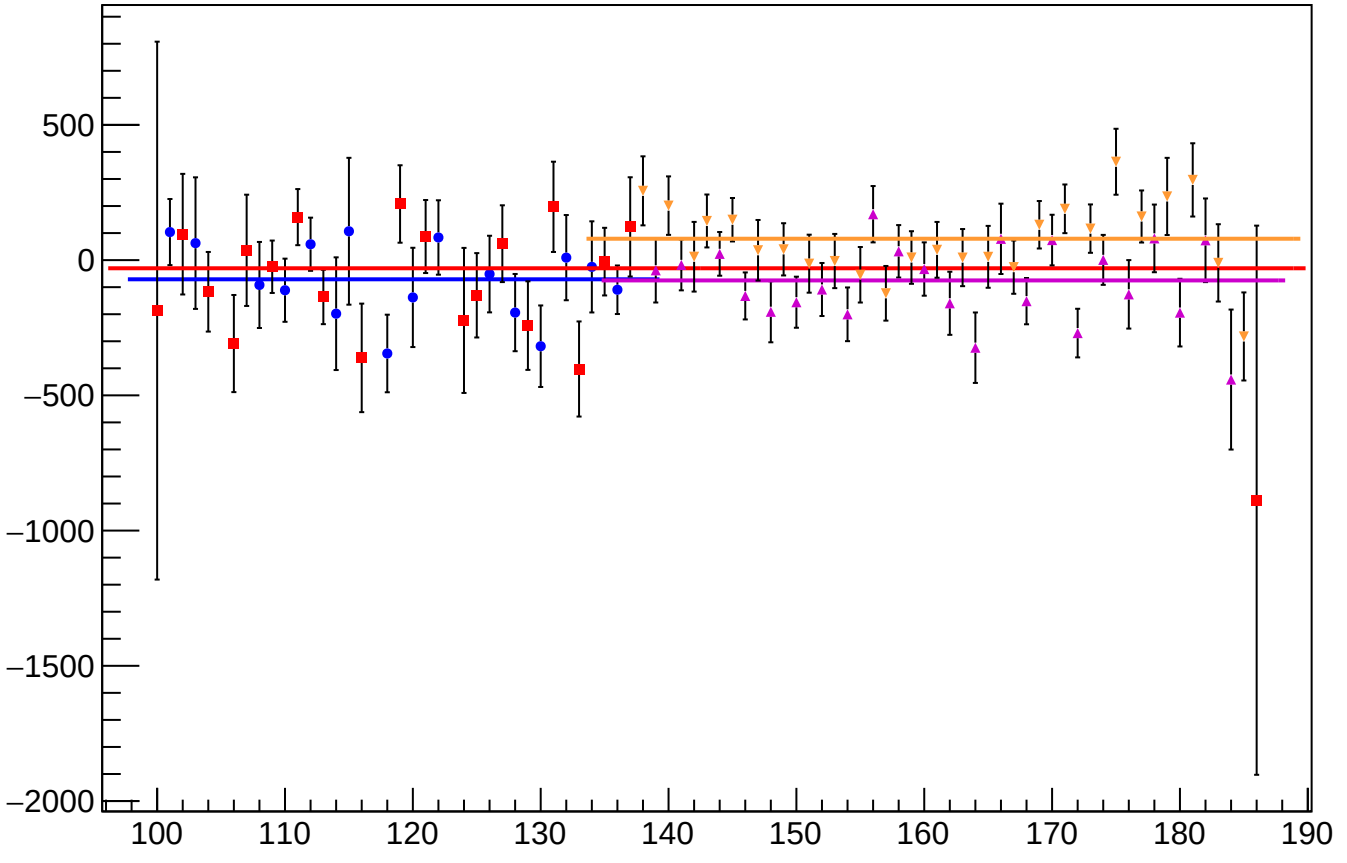
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 833.284+/-0.118 χ^2/NDF: 3086600.9/40

All: 832.984+/-0.084 χ^2/NDF: 6630164.2/83

- sign 832.677+/-0.120 χ^2/NDF: 3543550.3/42

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -30.135+/-34.228 χ^2/NDF: 24.7/19

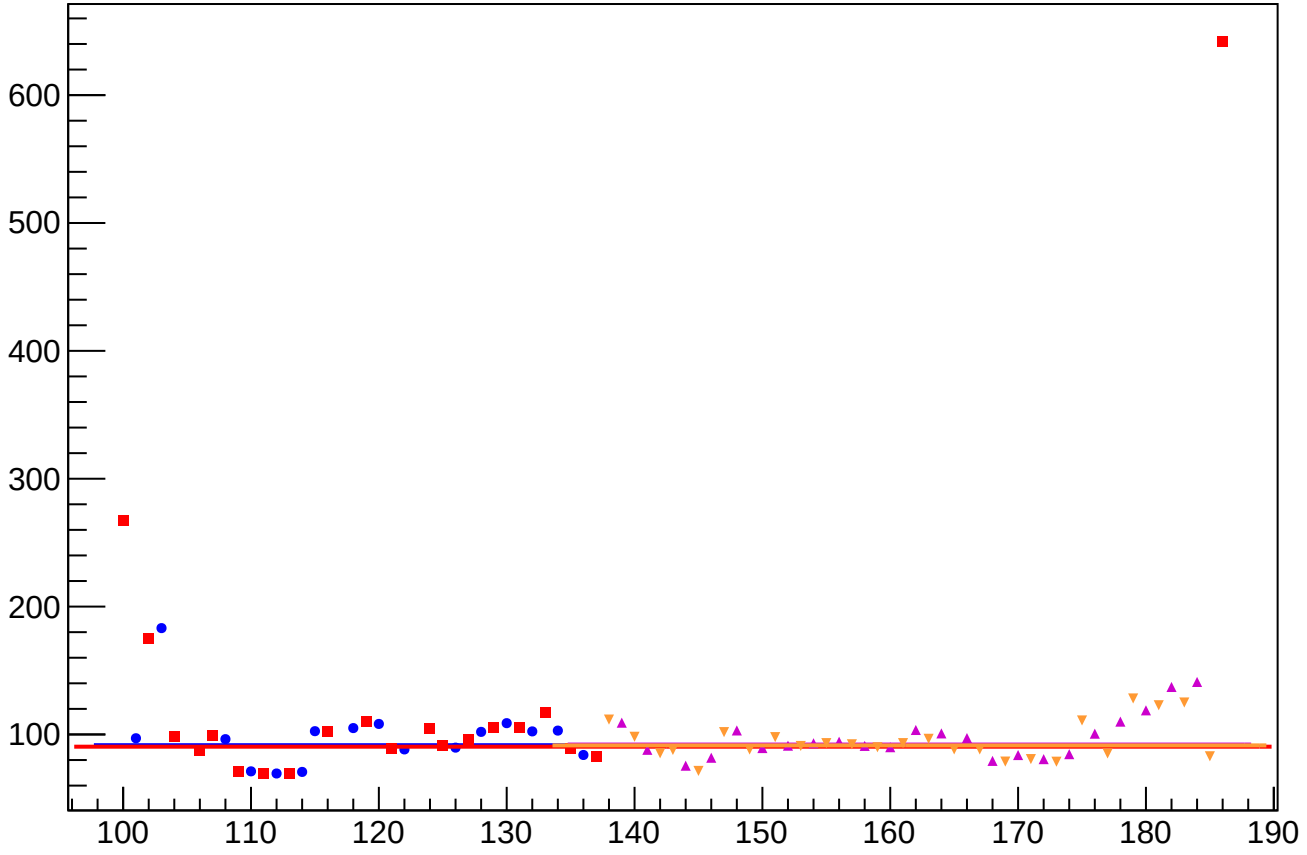
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 39.318+/-18.088 χ^2/NDF: 59.4/40

All: -10.478+/-12.902 χ^2/NDF: 133.4/83

- sign -62.056+/-18.409 χ^2/NDF: 58.5/42

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

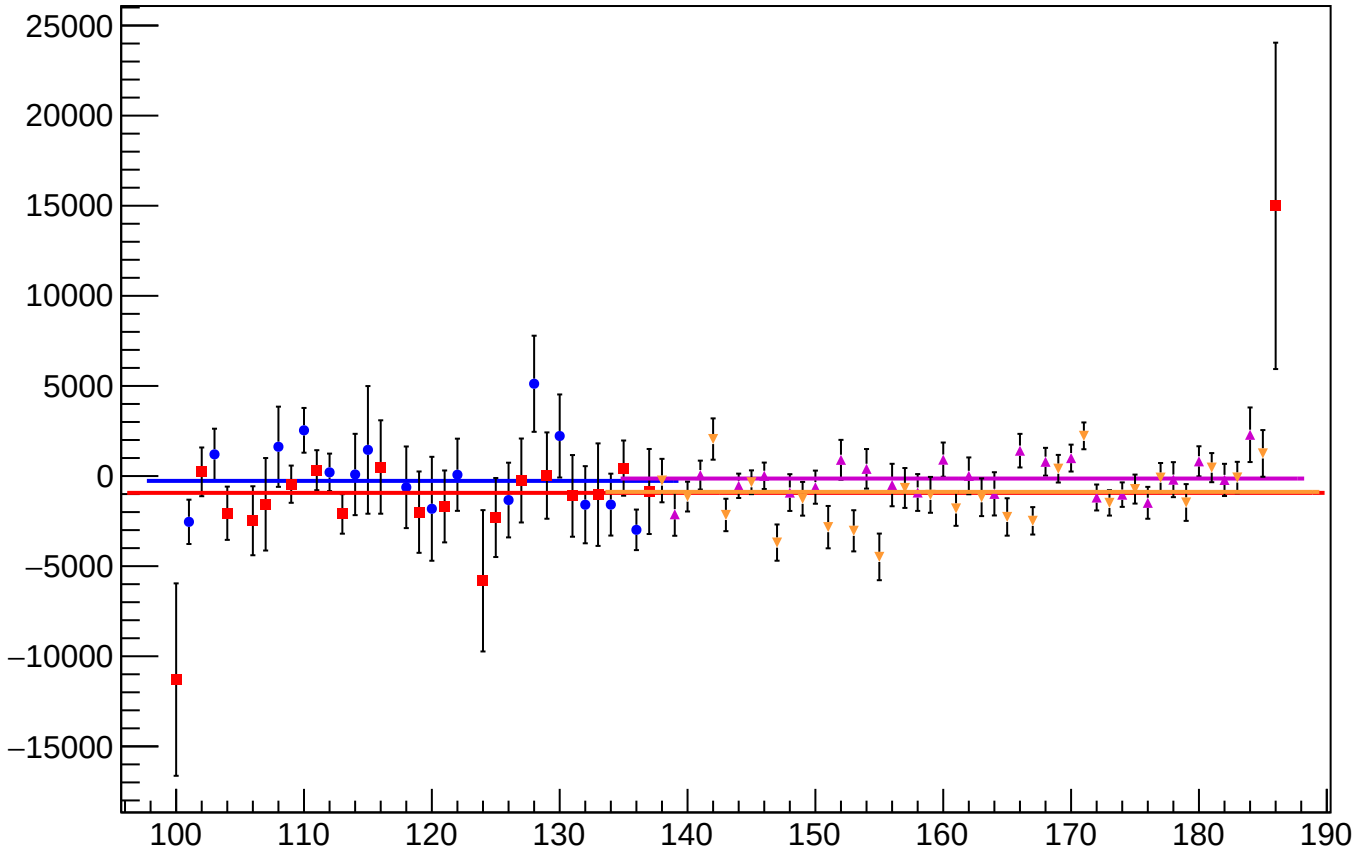
Right Out: 90.435+/-0.024 χ^2/NDF: 1337553.0/19

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 91.500+/-0.013 χ^2/NDF: 1331915.3/40

All: 91.558+/-0.009 χ^2/NDF: 3372467.6/83

- sign 91.619+/-0.013 χ^2/NDF: 2040510.4/42



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

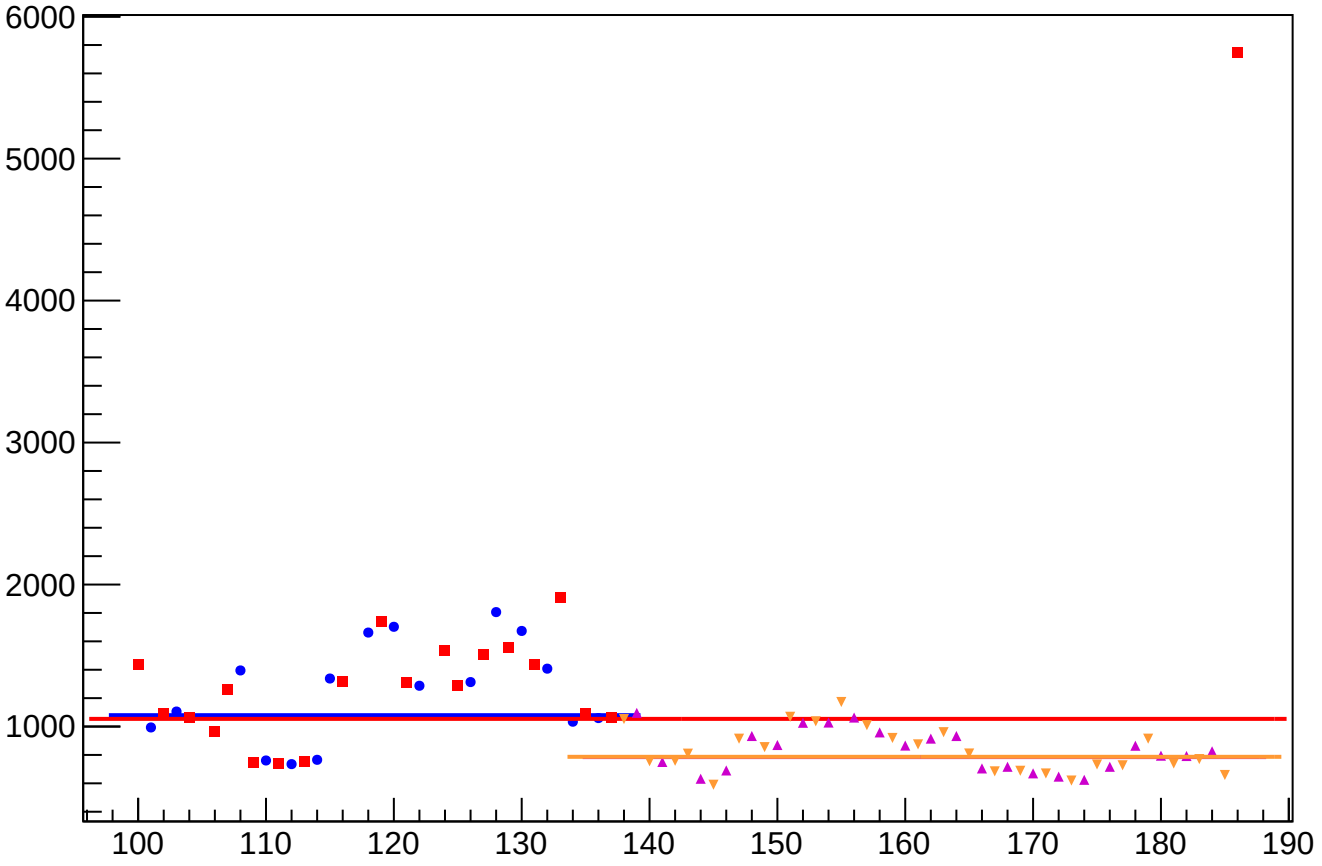
Right Out: -933.655+/-401.238 χ^2/NDF: 15.2/19

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -781.696+/-167.114 χ^2/NDF: 92.9/40

All: -533.953+/-118.890 χ^2/NDF: 140.0/83

- sign -280.051+/-169.178 χ^2/NDF: 42.6/42



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1053.949+/-0.284 χ^2/NDF: 1740044.6/19

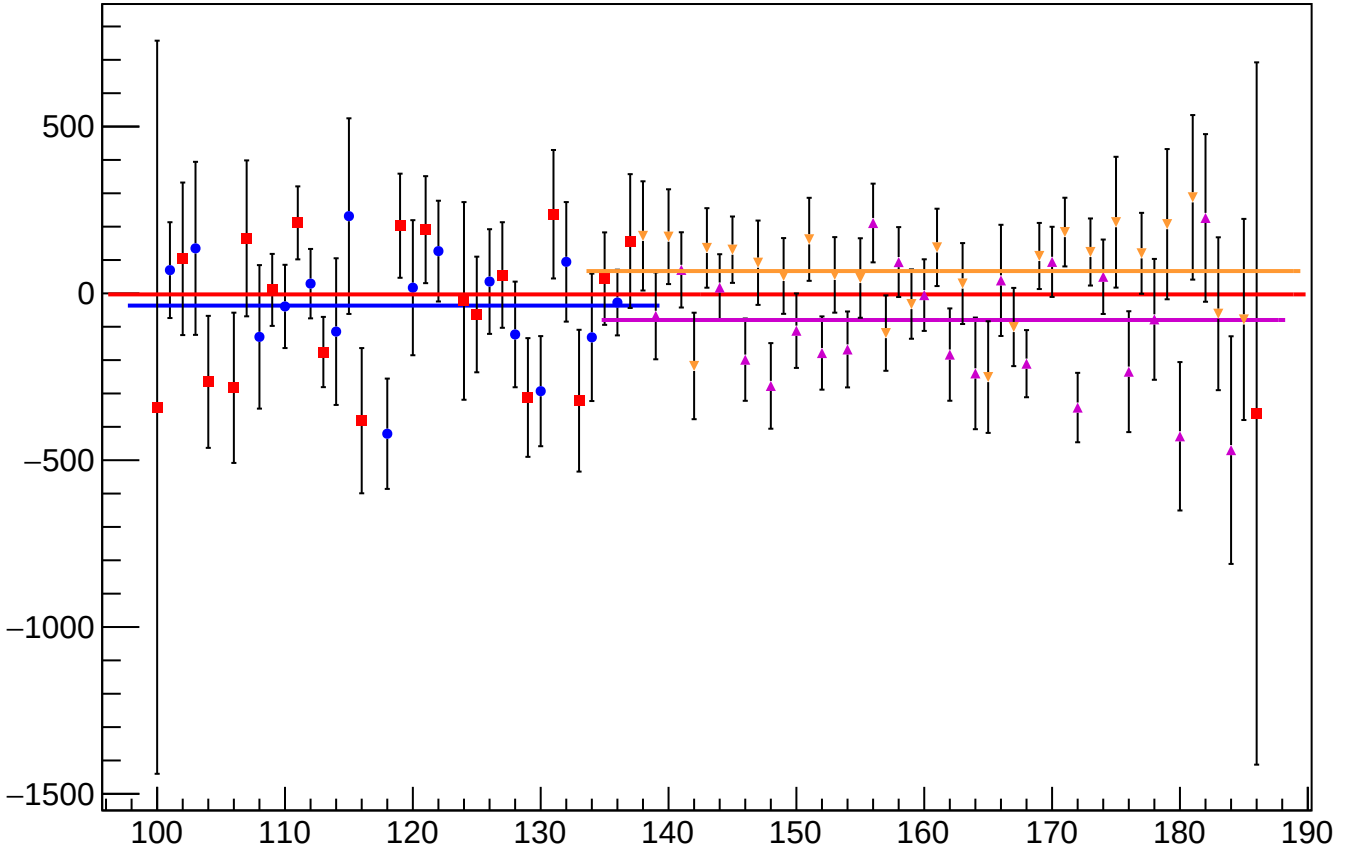
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 833.284+/-0.118 χ^2/NDF: 3086600.9/40

All: 832.984+/-0.084 χ^2/NDF: 6630164.2/83

- sign 832.677+/-0.120 χ^2/NDF: 3543550.3/42

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -3.037+/-38.140 χ^2/NDF: 24.9/19

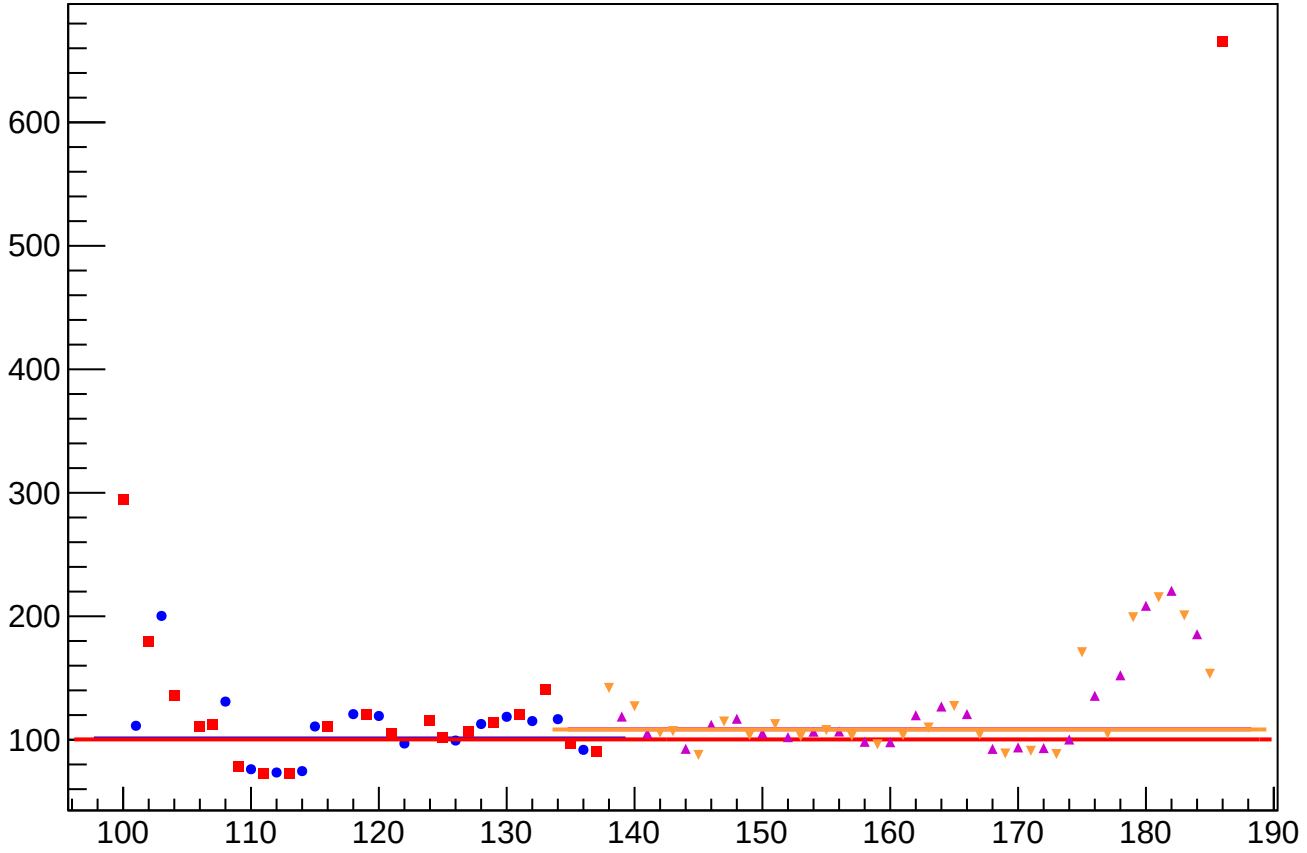
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 35.751+/-21.390 χ^2/NDF: 37.4/40

All: -9.096+/-15.216 χ^2/NDF: 110.8/83

- sign -55.041+/-21.651 χ^2/NDF: 64.5/42

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

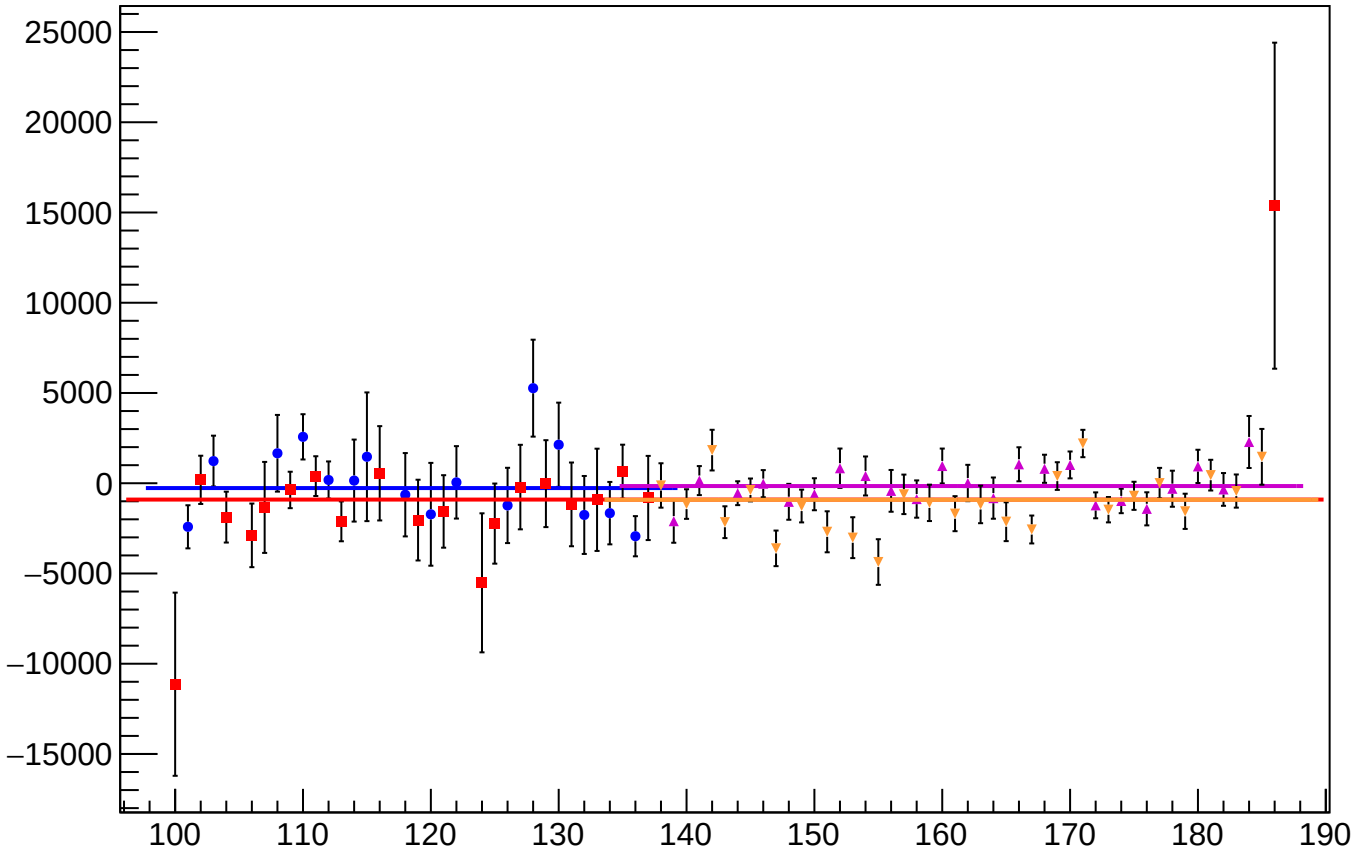
Right Out: 100.290+/-0.027 χ^2/NDF: 1457845.5/19

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 106.133+/-0.015 χ^2/NDF: 2539689.1/40

All: 105.993+/-0.011 χ^2/NDF: 5439800.7/83

- sign 105.849+/-0.015 χ^2/NDF: 2899937.3/42



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -905.396+/-395.854 χ^2/NDF: 16.4/19

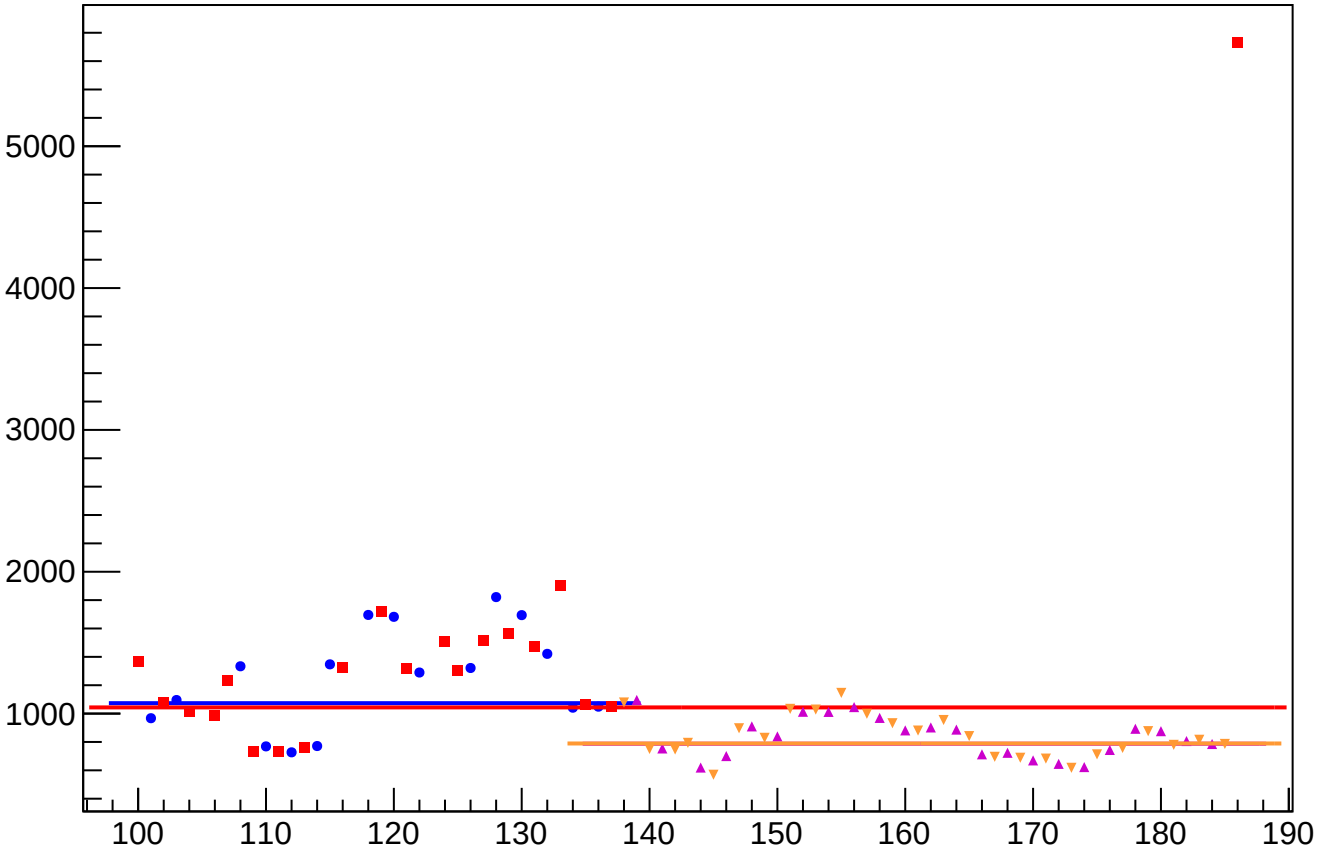
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -814.175+/-167.164 χ^2/NDF: 89.6/40

All: -556.575+/-118.905 χ^2/NDF: 136.8/83

- sign -292.758+/-169.169 χ^2/NDF: 42.4/42

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1043.556+/-0.280 χ^2/NDF: 1769024.0/19

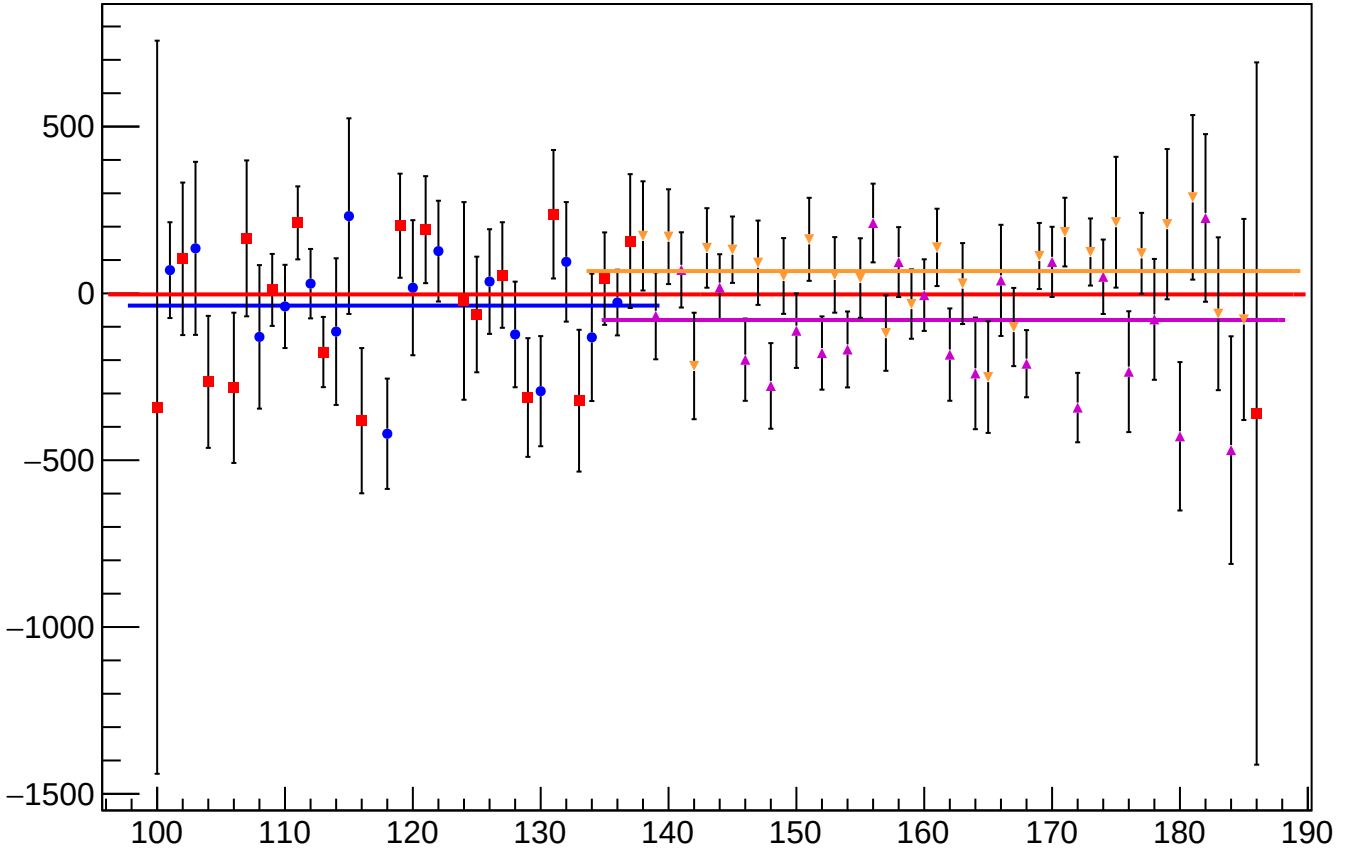
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 834.908+/-0.118 χ^2/NDF: 3033396.3/40

All: 834.545+/-0.084 χ^2/NDF: 6528409.7/83

- sign 834.173+/-0.120 χ^2/NDF: 3494994.2/42

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: -3.035+/-38.140 χ^2/NDF: 24.9/19

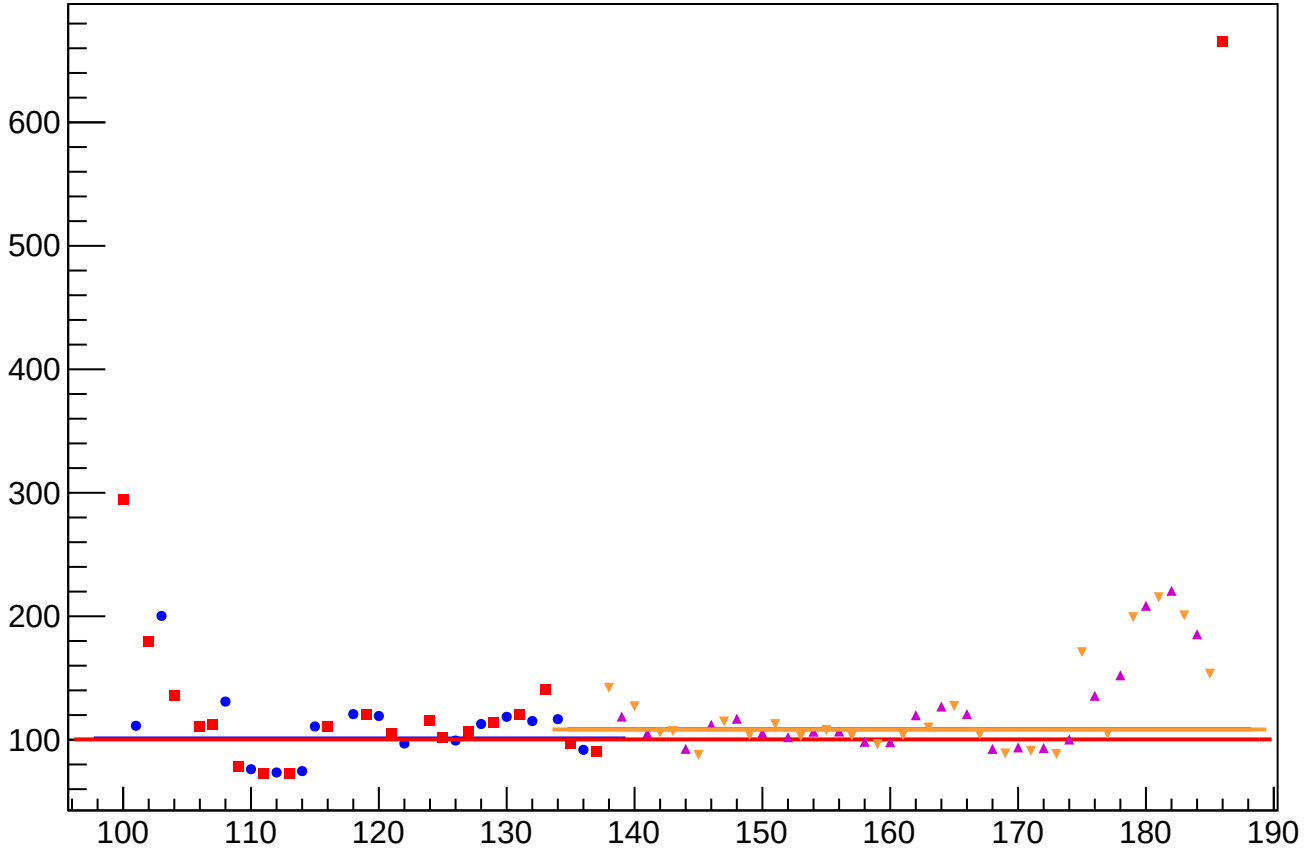
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 35.752+/-21.390 χ^2/NDF: 37.4/40

All: -9.095+/-15.216 χ^2/NDF: 110.8/83

- sign -55.040+/-21.651 χ^2/NDF: 64.5/42

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

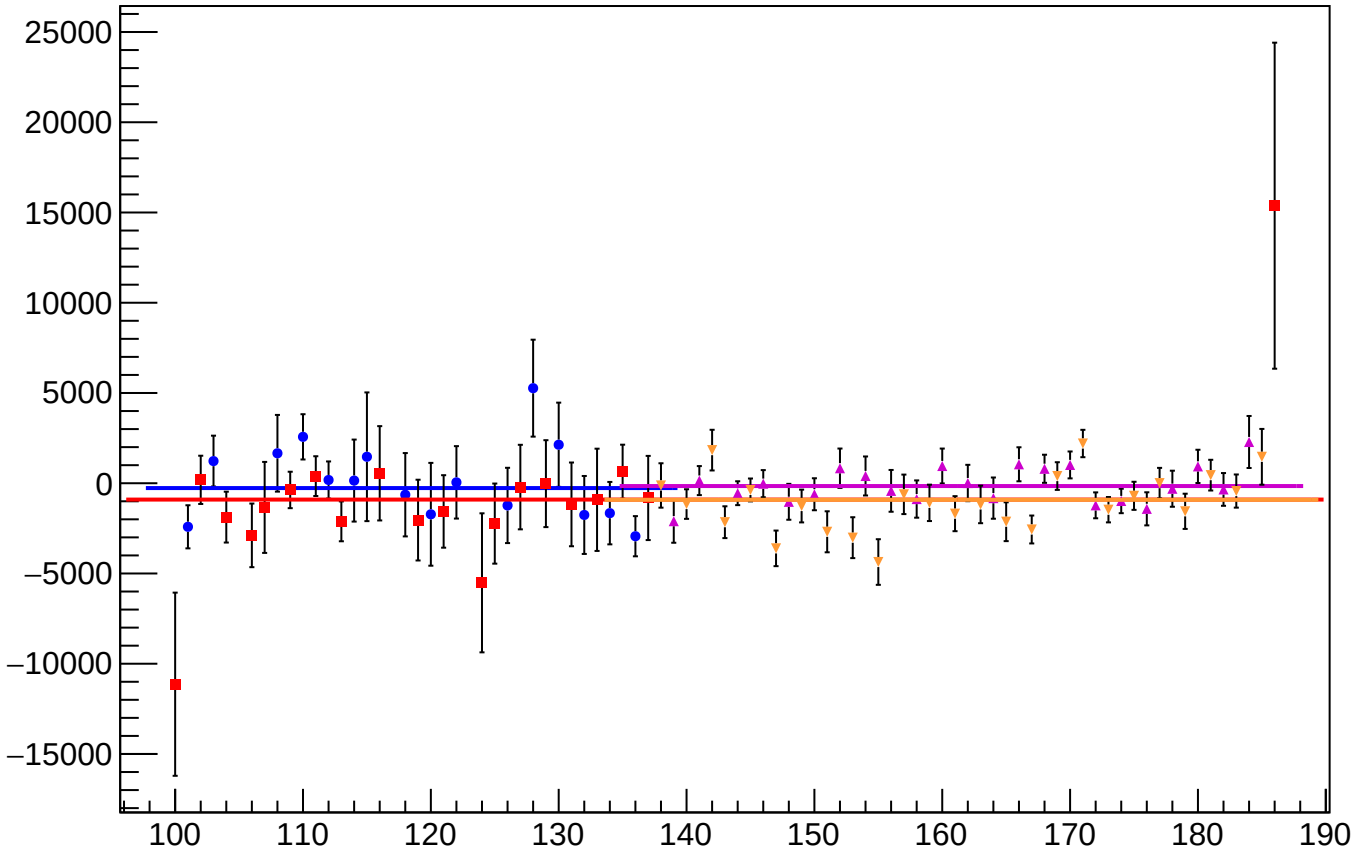
Right Out: 100.290+/-0.027 χ^2/NDF: 1457846.9/19

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 106.134+/-0.015 χ^2/NDF: 2539684.7/40

All: 105.993+/-0.011 χ^2/NDF: 5439781.3/83

- sign 105.850+/-0.015 χ^2/NDF: 2899922.2/42



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

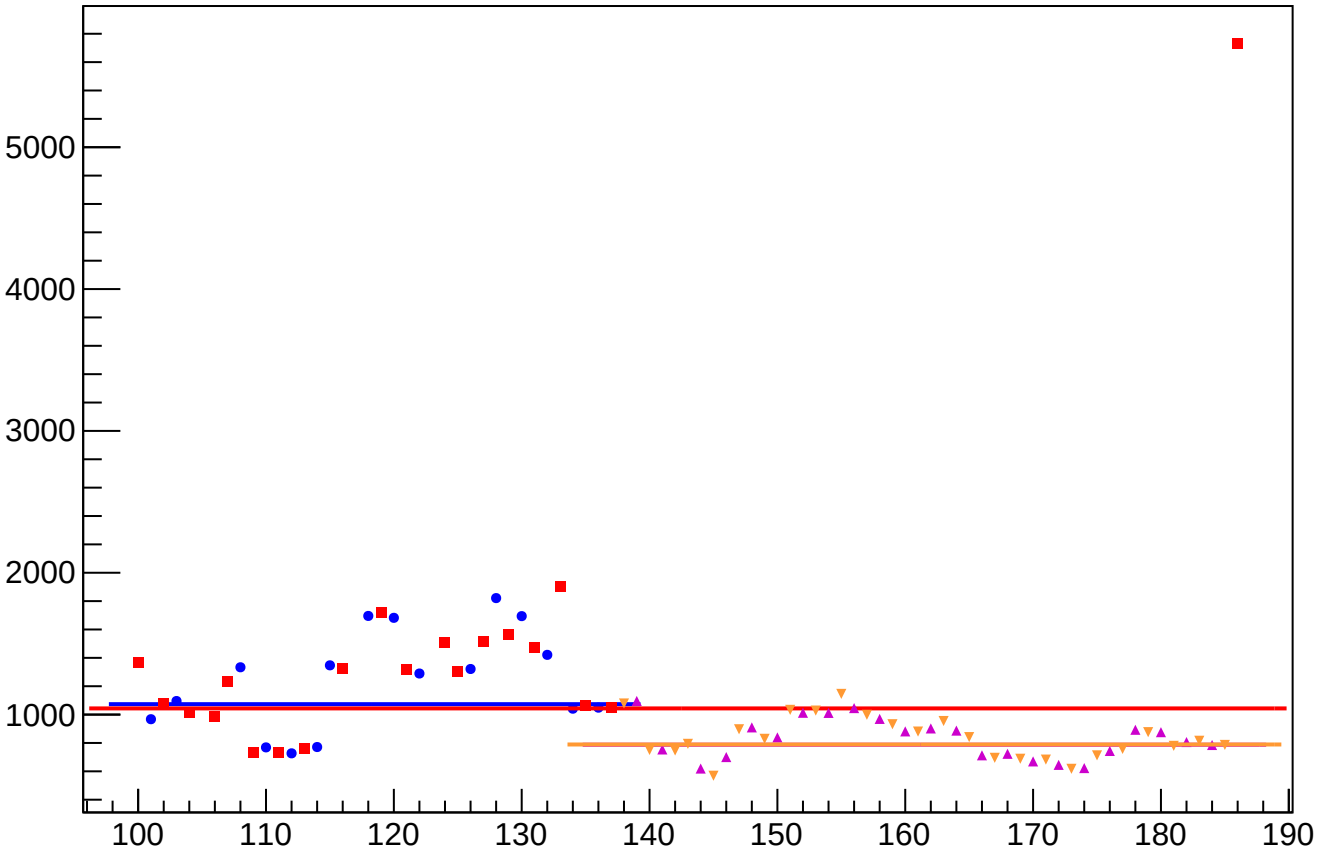
Right Out: -905.395+/-395.853 χ^2/NDF: 16.4/19

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -814.174+/-167.163 χ^2/NDF: 89.6/40

All: -556.574+/-118.905 χ^2/NDF: 136.8/83

- sign -292.757+/-169.168 χ^2/NDF: 42.4/42



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1043.554+/-0.280 χ^2/NDF: 1769026.5/19

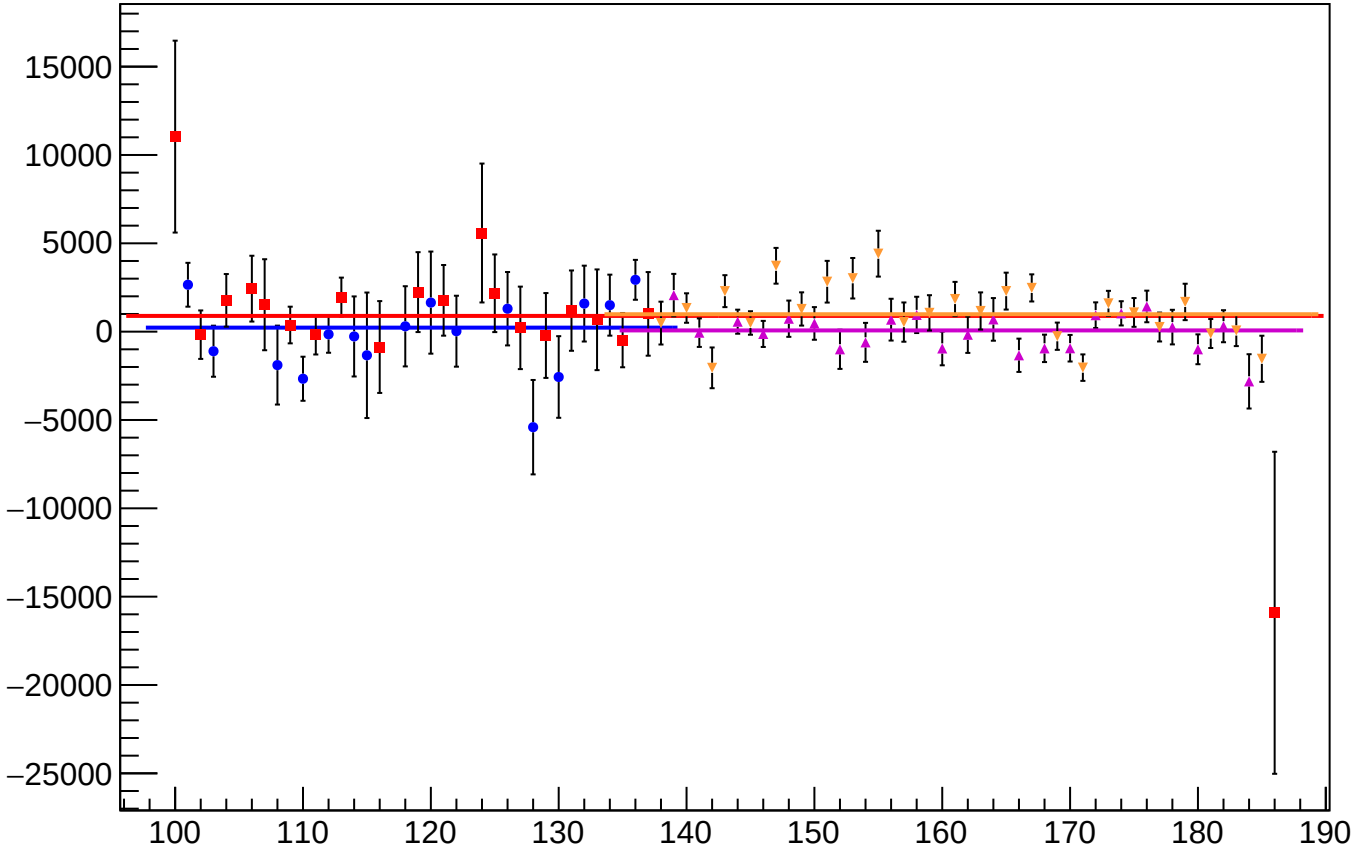
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 834.906+/-0.118 χ^2/NDF: 3033404.5/40

All: 834.543+/-0.084 χ^2/NDF: 6528421.0/83

- sign 834.172+/-0.120 χ^2/NDF: 3494997.4/42

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 890.775+/-402.708 χ^2/NDF: 14.6/19

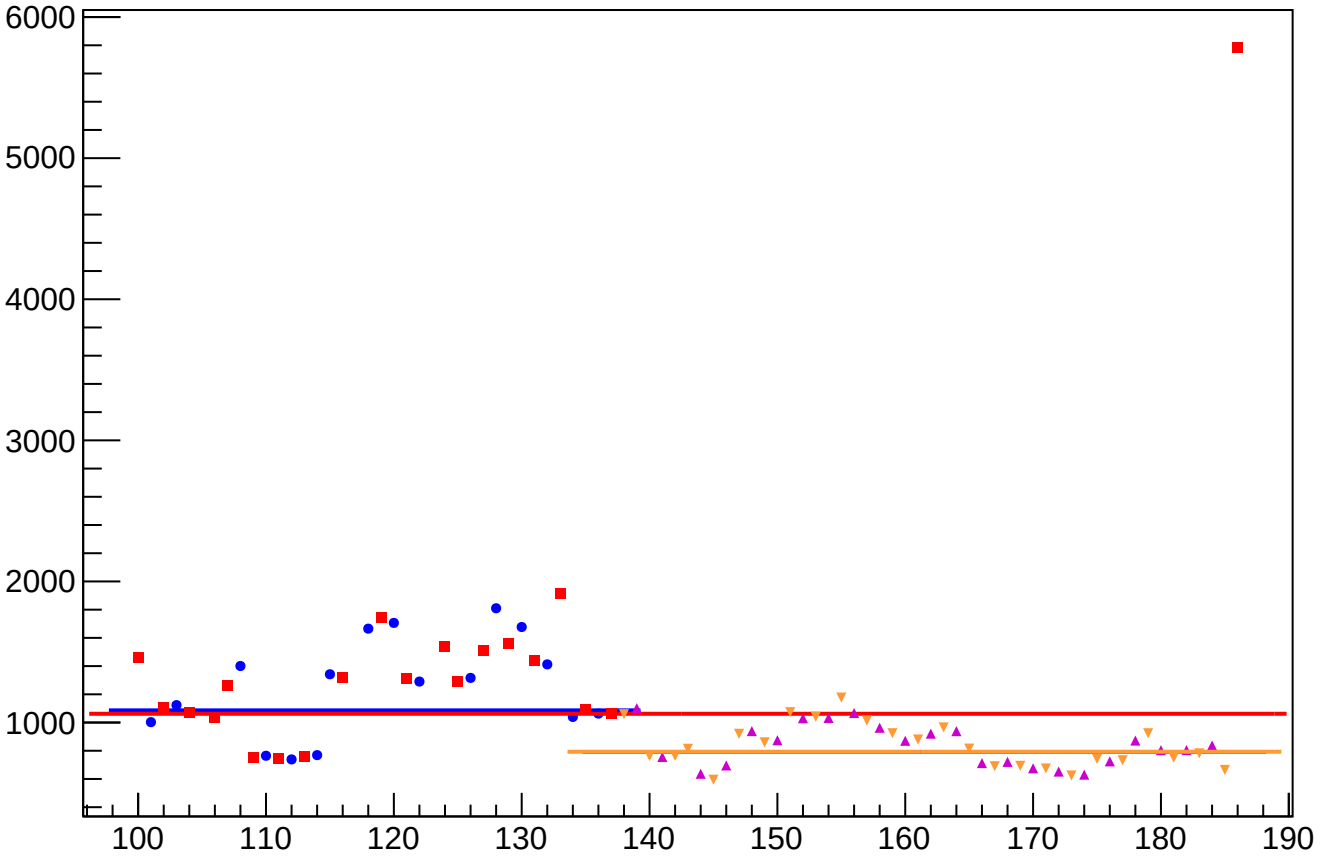
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 864.909+/-168.347 χ^2/NDF: 90.9/40

All: 544.834+/-119.751 χ^2/NDF: 140.6/83

- sign 216.989+/-170.378 χ^2/NDF: 42.4/42

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

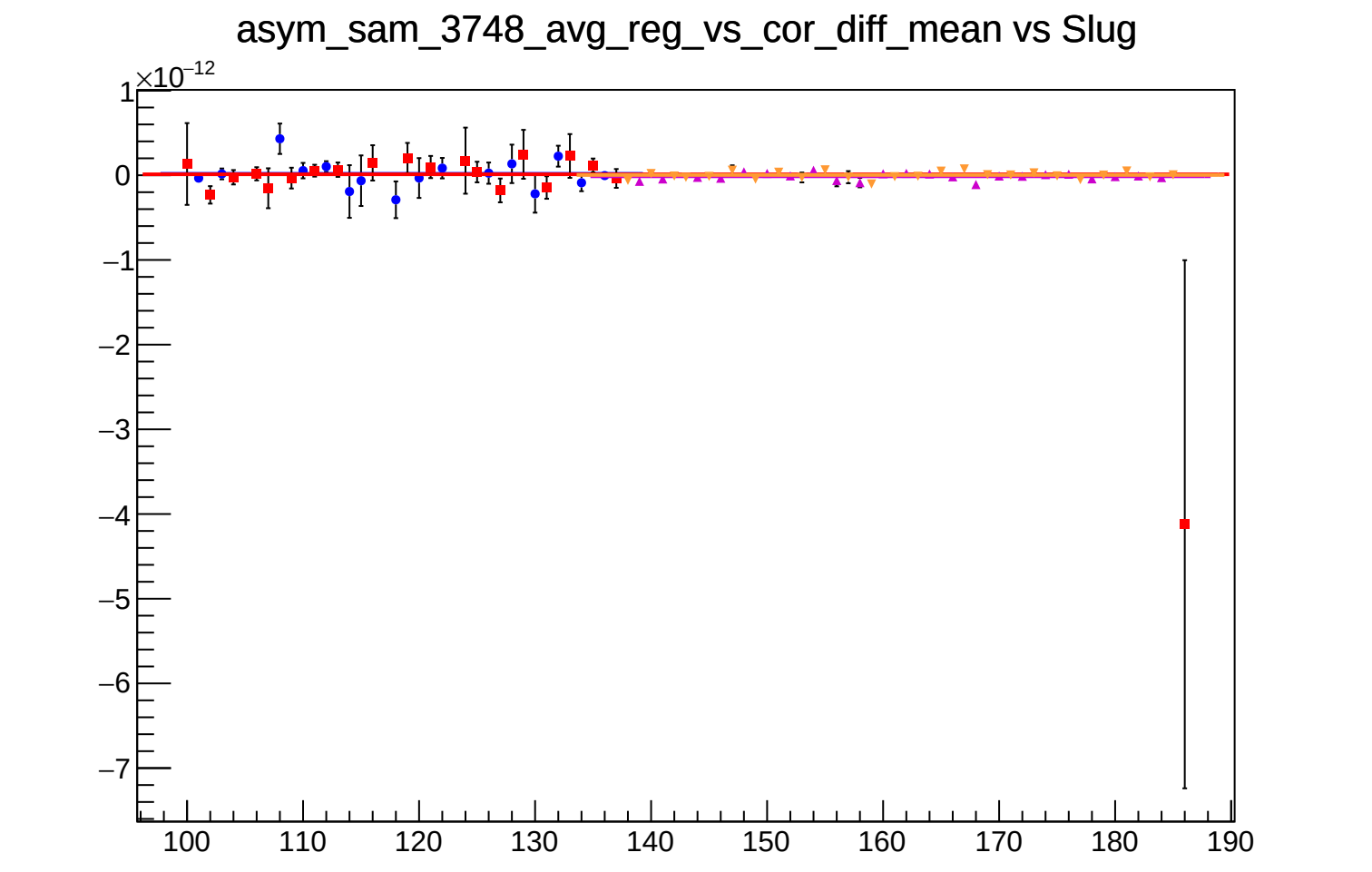
Right Out: 1062.068+/-0.285 χ^2/NDF: 1732319.1/19

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 839.729+/-0.119 χ^2/NDF: 3053140.6/40

All: 839.689+/-0.085 χ^2/NDF: 6577677.2/83

- sign 839.648+/-0.120 χ^2/NDF: 3524536.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

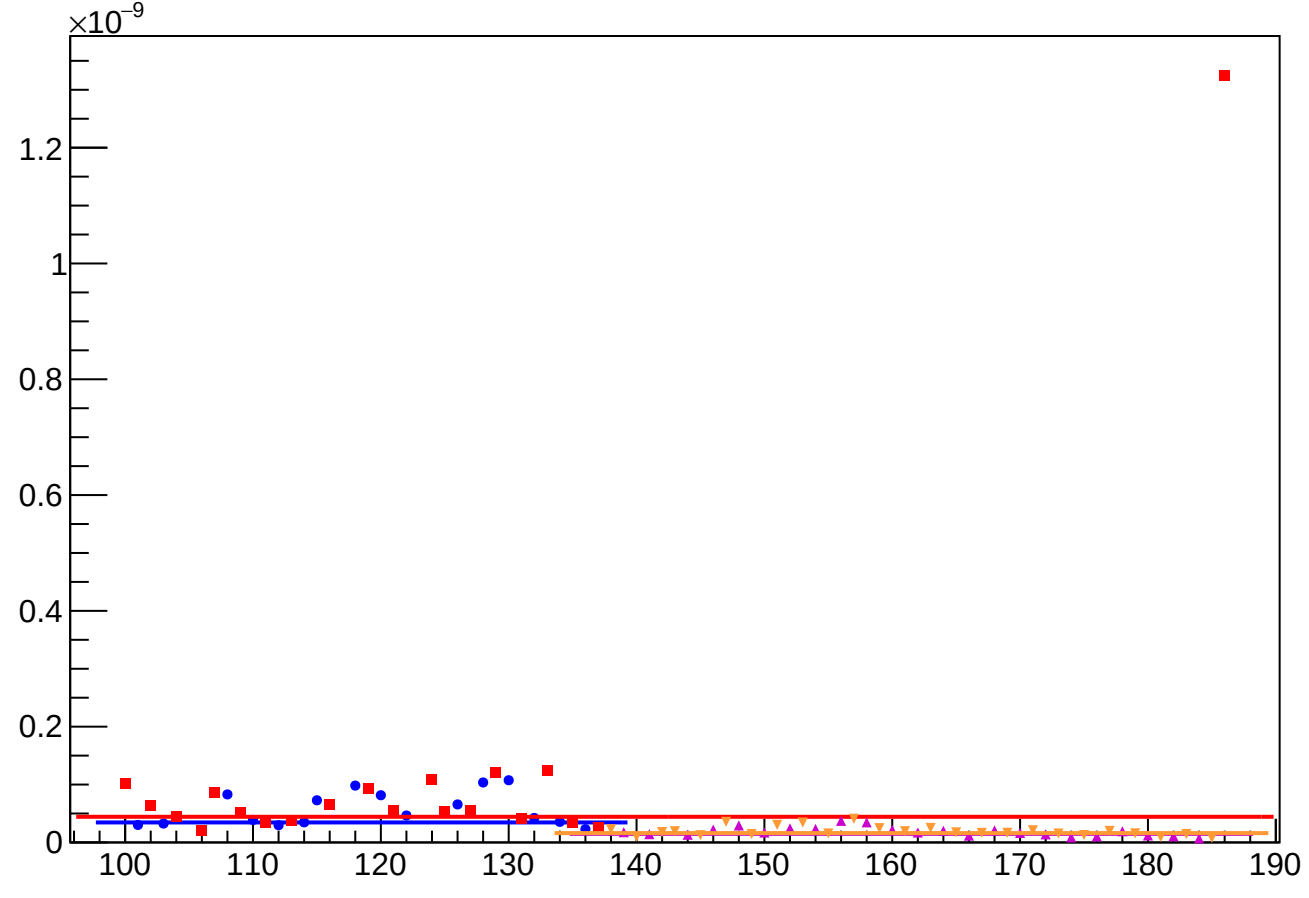
Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/19

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.2/40

All: -0.000+/-0.000 χ^2/NDF: 97.9/83

- sign -0.000+/-0.000 χ^2/NDF: 43.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

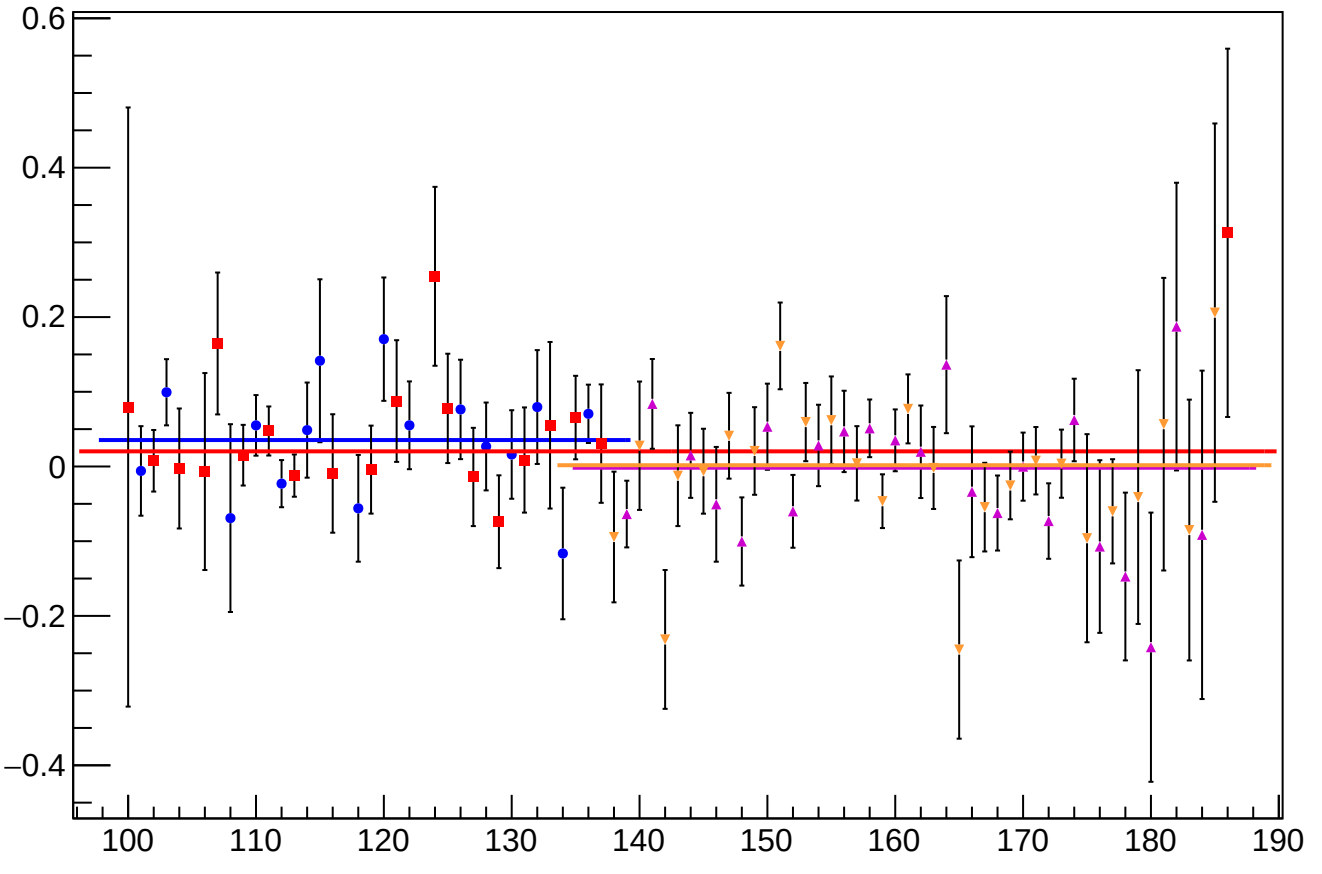
Right Out: 0.000+/-0.000 χ^2/NDF: 1410343.9/19

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4218110.5/40

All: 0.000+/-0.000 χ^2/NDF: 9600068.3/83

- sign 0.000+/-0.000 χ^2/NDF: 5343058.4/42



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.020+/-0.013 χ^2/NDF: 14.8/19

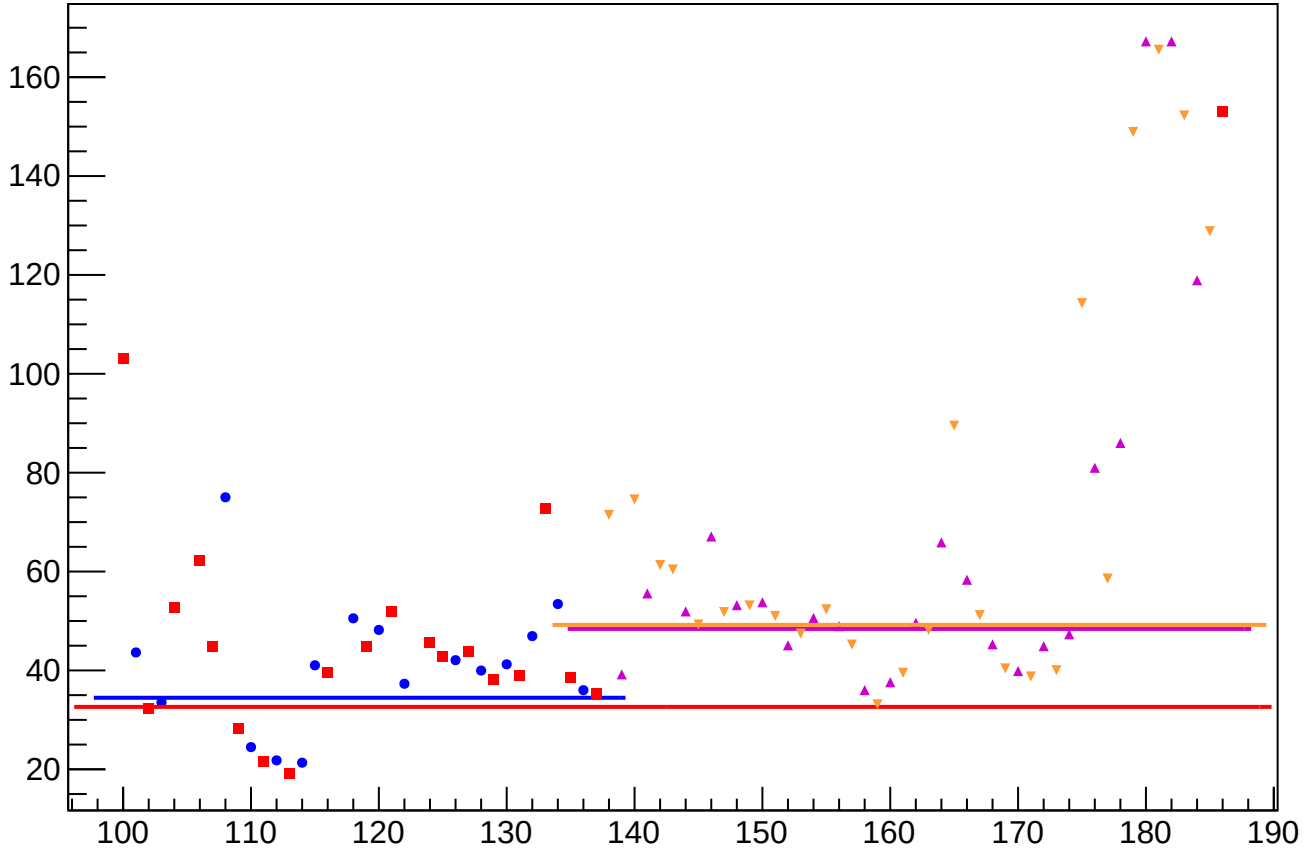
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.016+/-0.009 χ^2/NDF: 50.7/40

All: 0.012+/-0.006 χ^2/NDF: 93.4/83

- sign 0.009+/-0.009 χ^2/NDF: 42.3/42

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

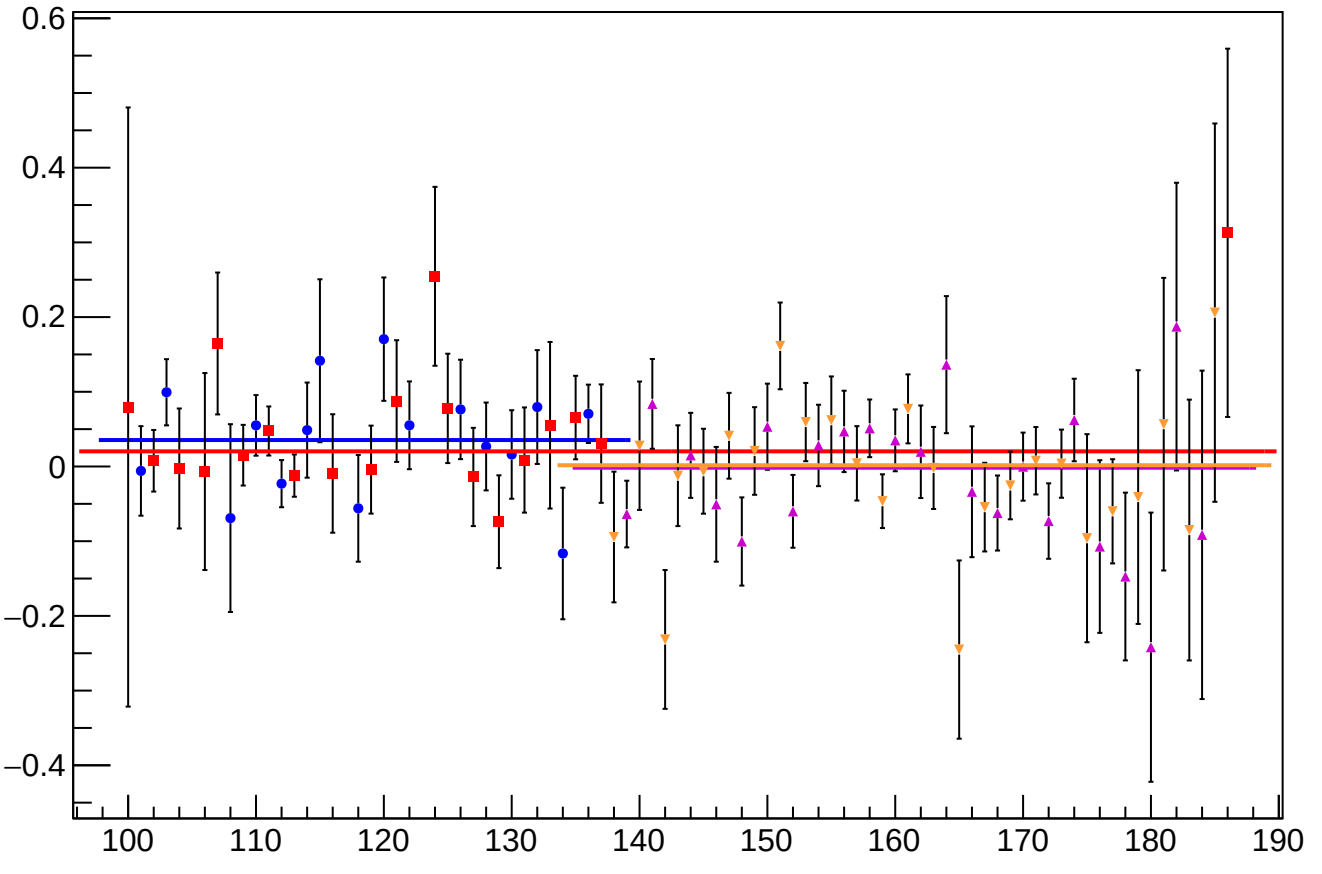
Right Out: 32.626+/-0.009 χ^2/NDF: 2150792.1/19

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 42.736+/-0.007 χ^2/NDF: 6606767.5/40

All: 41.829+/-0.005 χ^2/NDF: 13359640.5/83

- sign 40.963+/-0.006 χ^2/NDF: 6714916.9/42



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

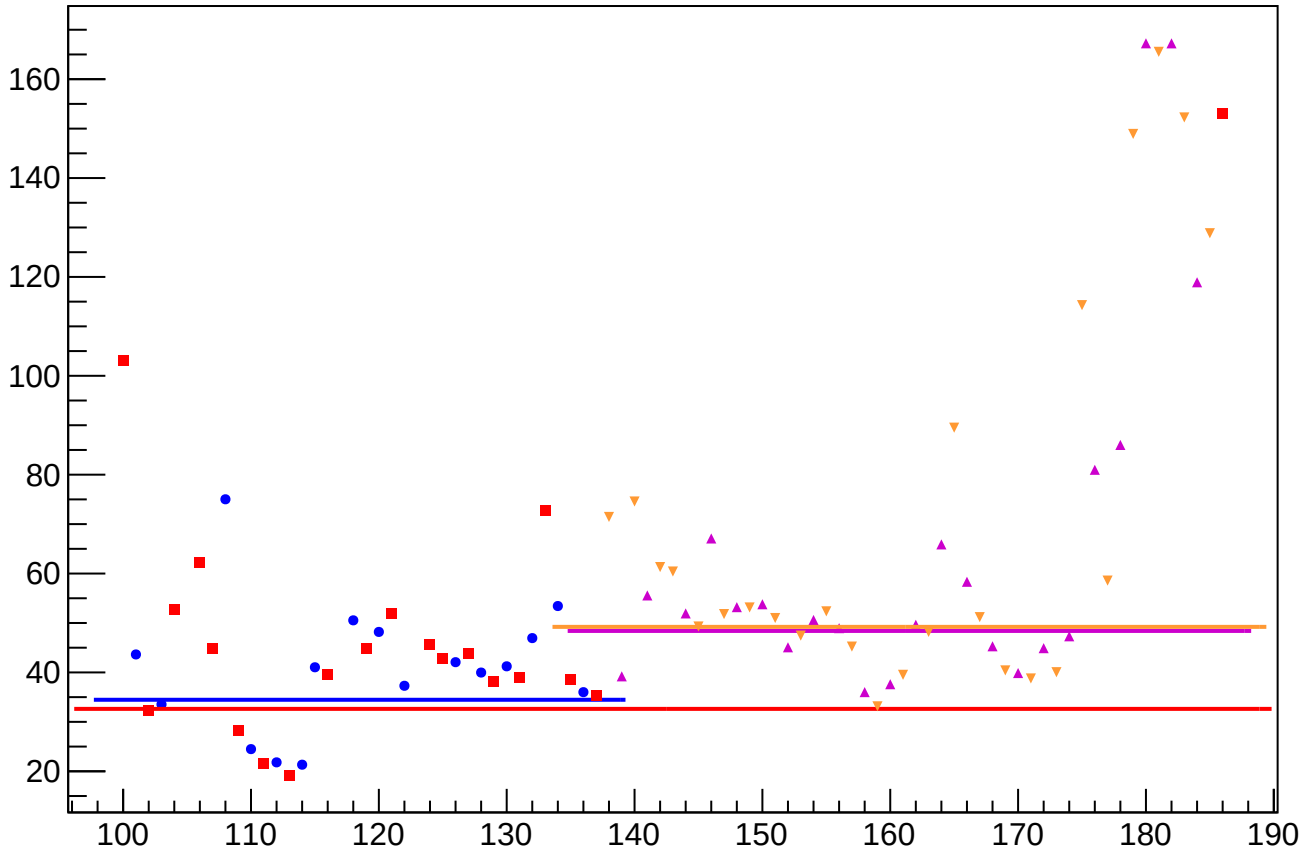
Right Out: 0.020+/-0.013 χ^2/NDF: 14.8/19

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.016+/-0.009 χ^2/NDF: 50.7/40

All: 0.012+/-0.006 χ^2/NDF: 93.4/83

- sign 0.009+/-0.009 χ^2/NDF: 42.3/42



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

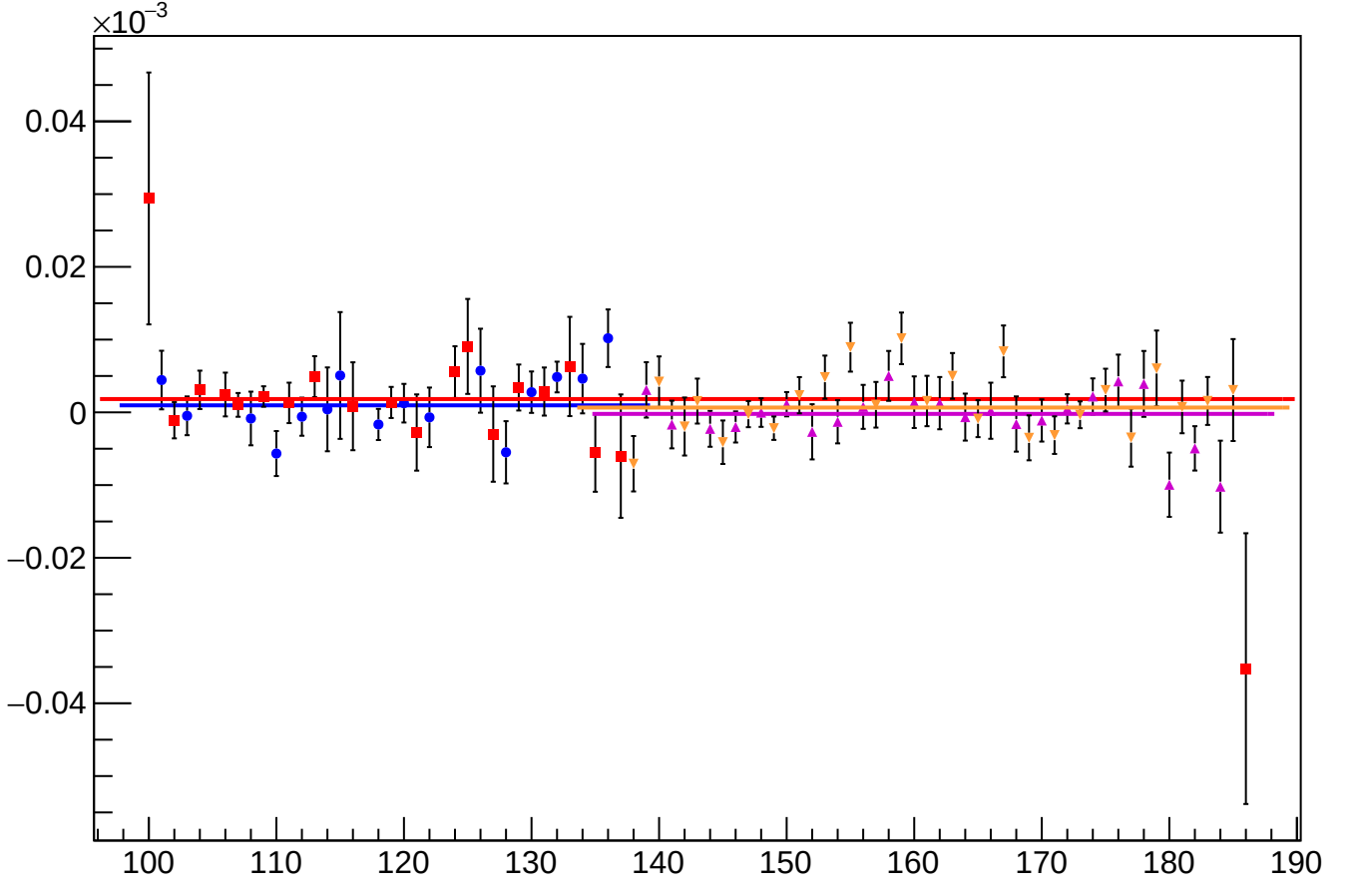
Right Out: 32.626+/-0.009 χ^2/NDF: 2150792.1/19

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 42.736+/-0.007 χ^2/NDF: 6606767.5/40

All: 41.829+/-0.005 χ^2/NDF: 13359640.5/83

- sign 40.963+/-0.006 χ^2/NDF: 6714916.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16.9/19

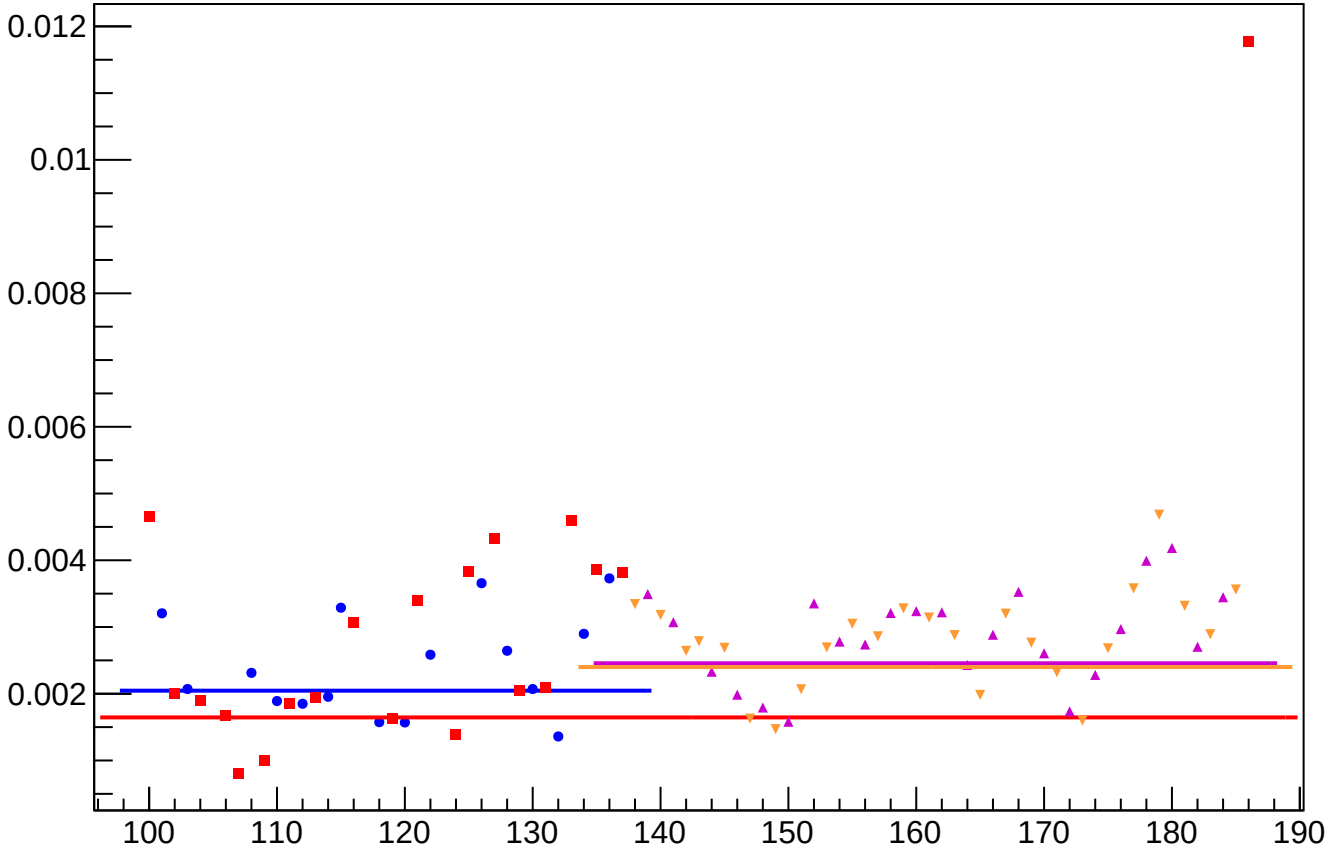
Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.7/40

All: 0.000+/-0.000 χ^2/NDF: 104.5/83

- sign 0.000+/-0.000 χ^2/NDF: 41.7/42

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

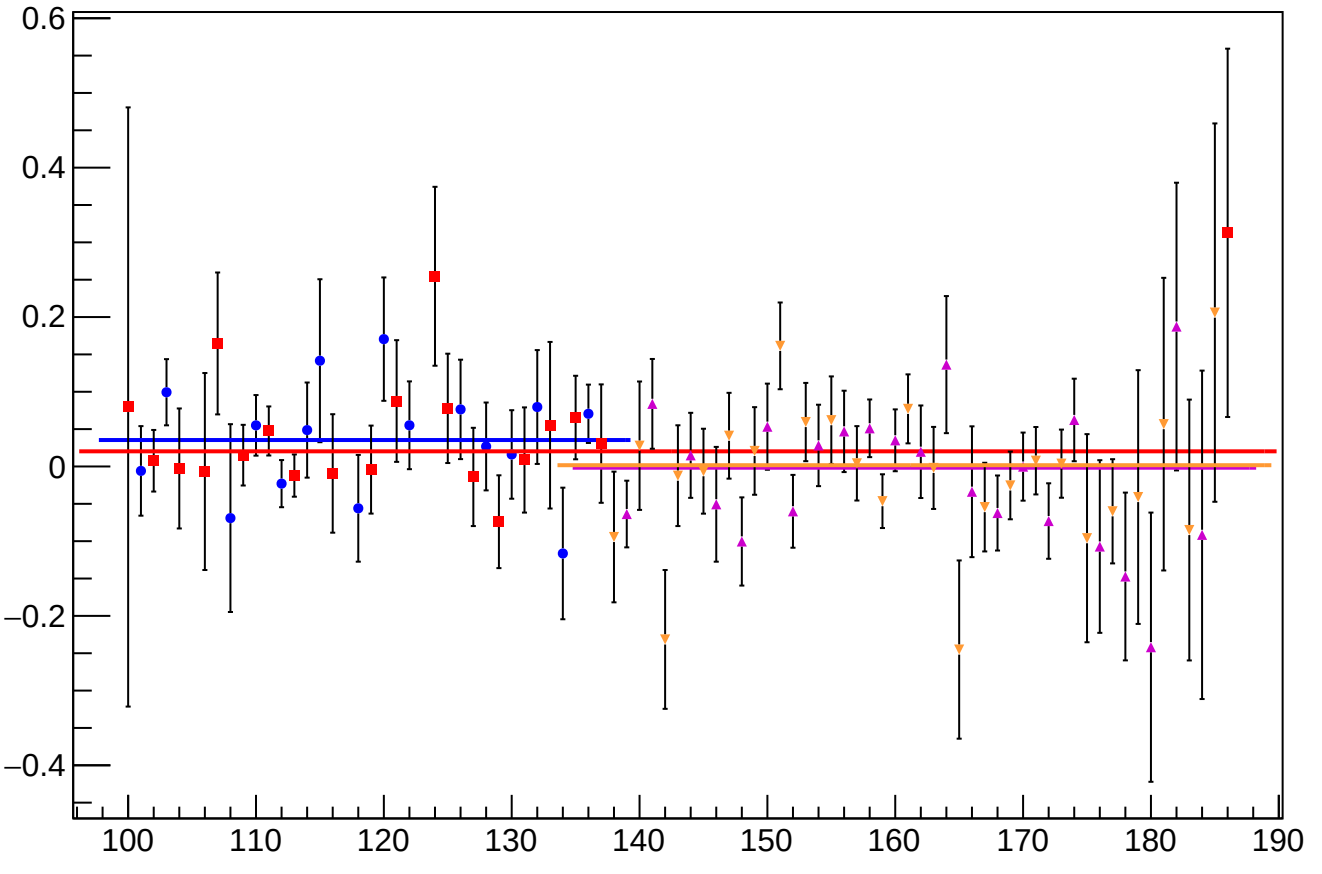
Right Out: 0.002+/-0.000 χ^2/NDF: 3521994.2/19

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 4639512.9/40

All: 0.002+/-0.000 χ^2/NDF: 12582297.0/83

- sign 0.002+/-0.000 χ^2/NDF: 7775634.8/42



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

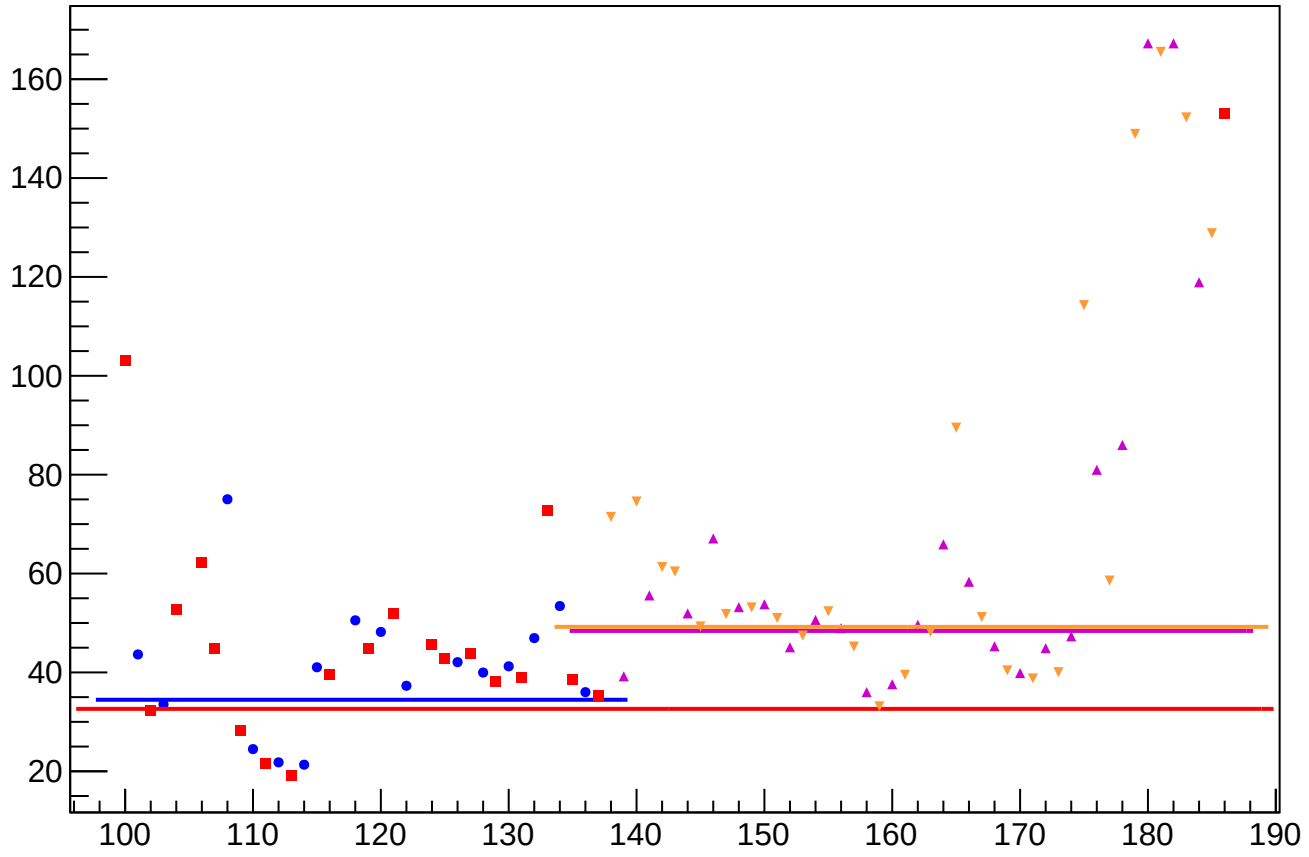
Right Out: 0.020+/-0.013 χ^2/NDF: 14.8/19

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.016+/-0.009 χ^2/NDF: 50.7/40

All: 0.012+/-0.006 χ^2/NDF: 93.4/83

- sign 0.009+/-0.009 χ^2/NDF: 42.3/42



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

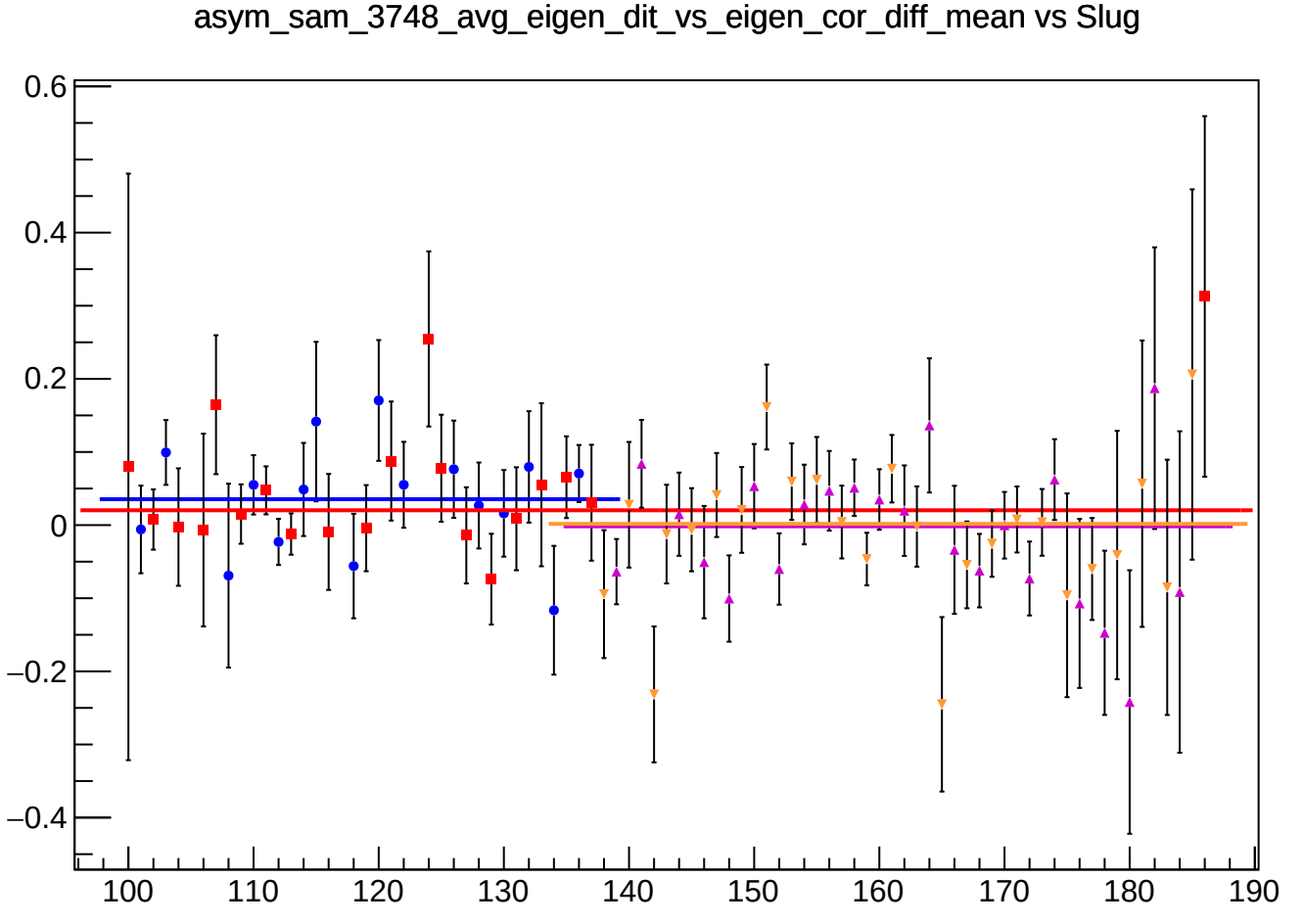
Right Out: 32.626+/-0.009 χ^2/NDF: 2150753.8/19

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 42.737+/-0.007 χ^2/NDF: 6606710.3/40

All: 41.829+/-0.005 χ^2/NDF: 13359514.5/83

- sign 40.963+/-0.006 χ^2/NDF: 6714849.2/42



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

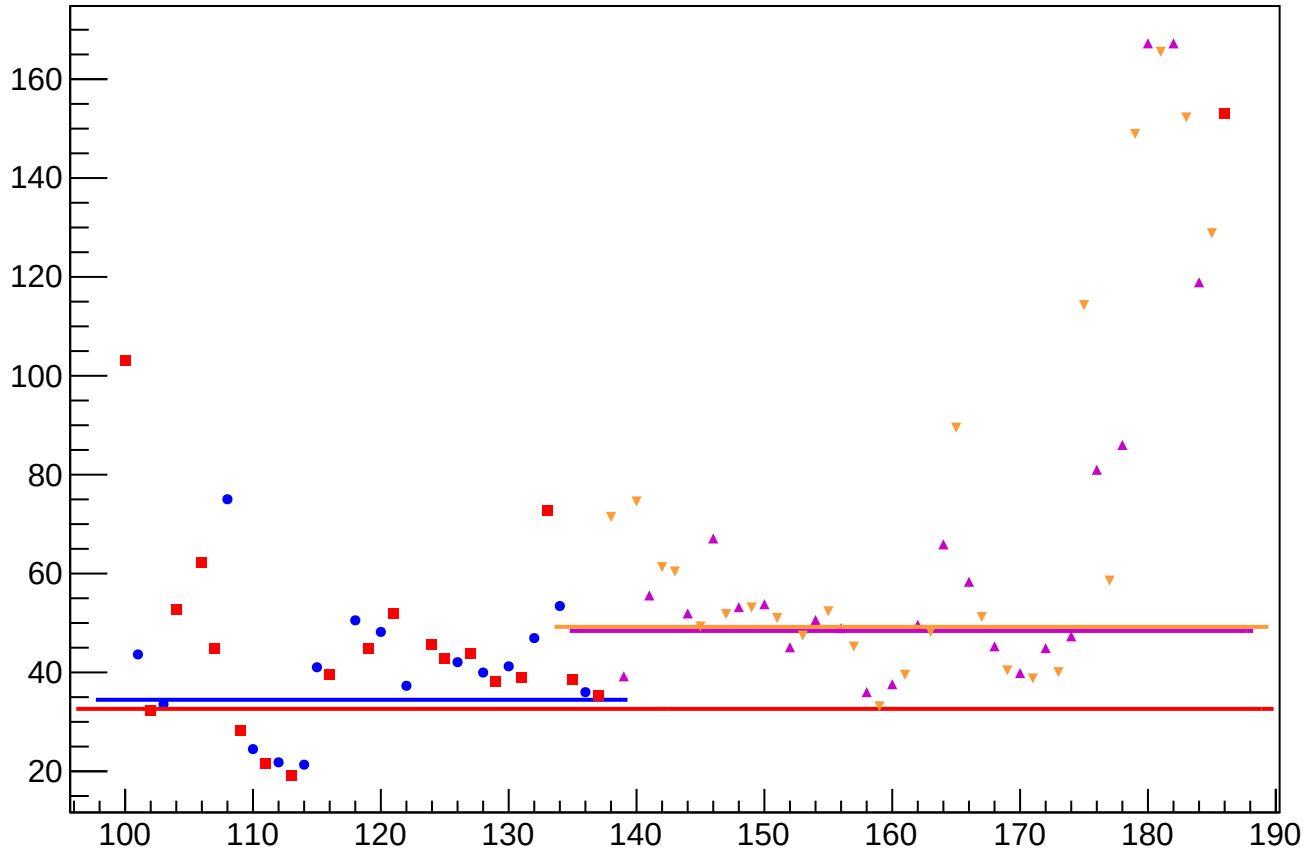
Right Out: 0.020+/-0.013 χ^2/NDF: 14.8/19

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.016+/-0.009 χ^2/NDF: 50.7/40

All: 0.012+/-0.006 χ^2/NDF: 93.4/83

- sign 0.009+/-0.009 χ^2/NDF: 42.3/42



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

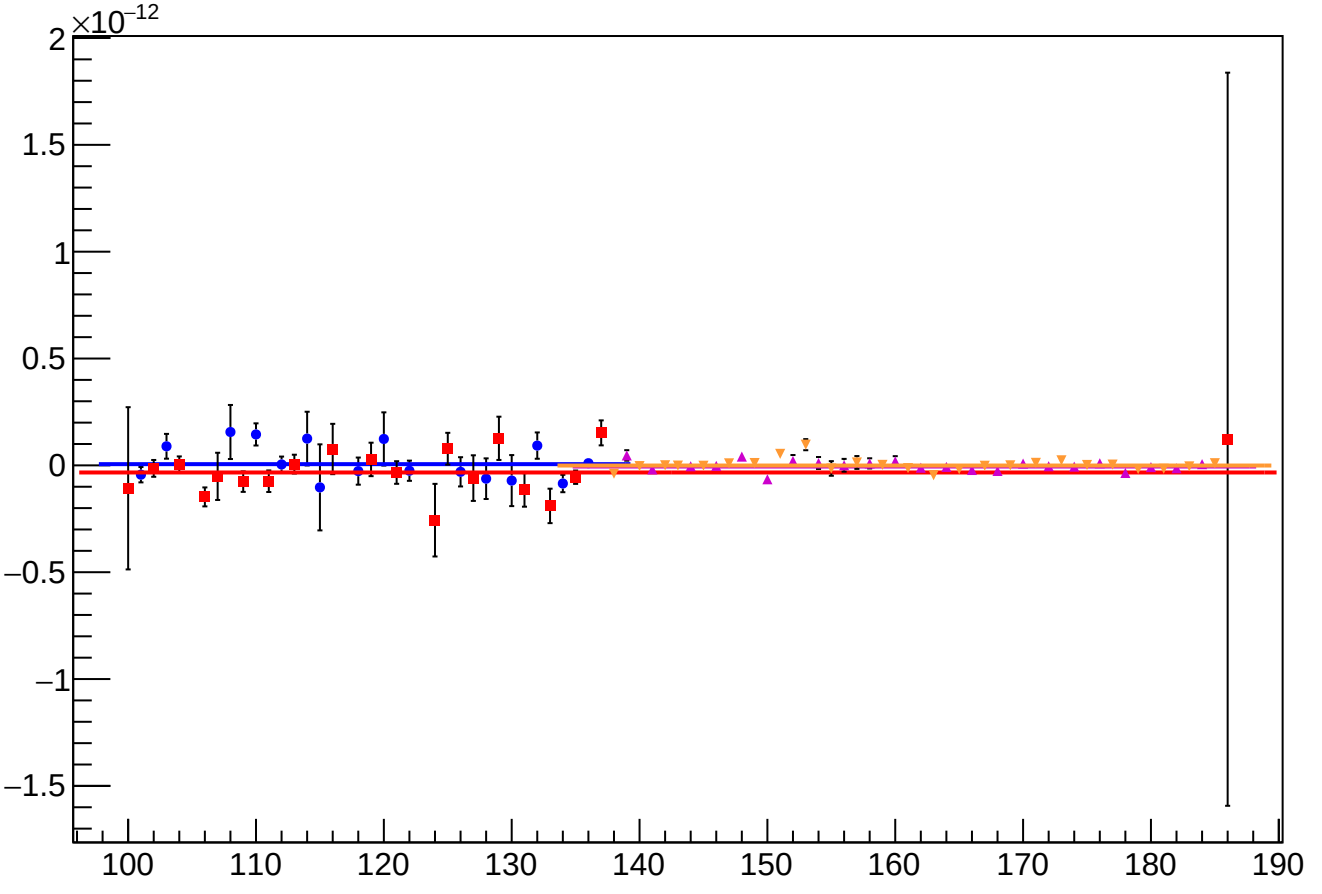
Right Out: 32.626+/-0.009 χ^2/NDF: 2150753.8/19

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 42.737+/-0.007 χ^2/NDF: 6606710.3/40

All: 41.829+/-0.005 χ^2/NDF: 13359514.5/83

- sign 40.963+/-0.006 χ^2/NDF: 6714849.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

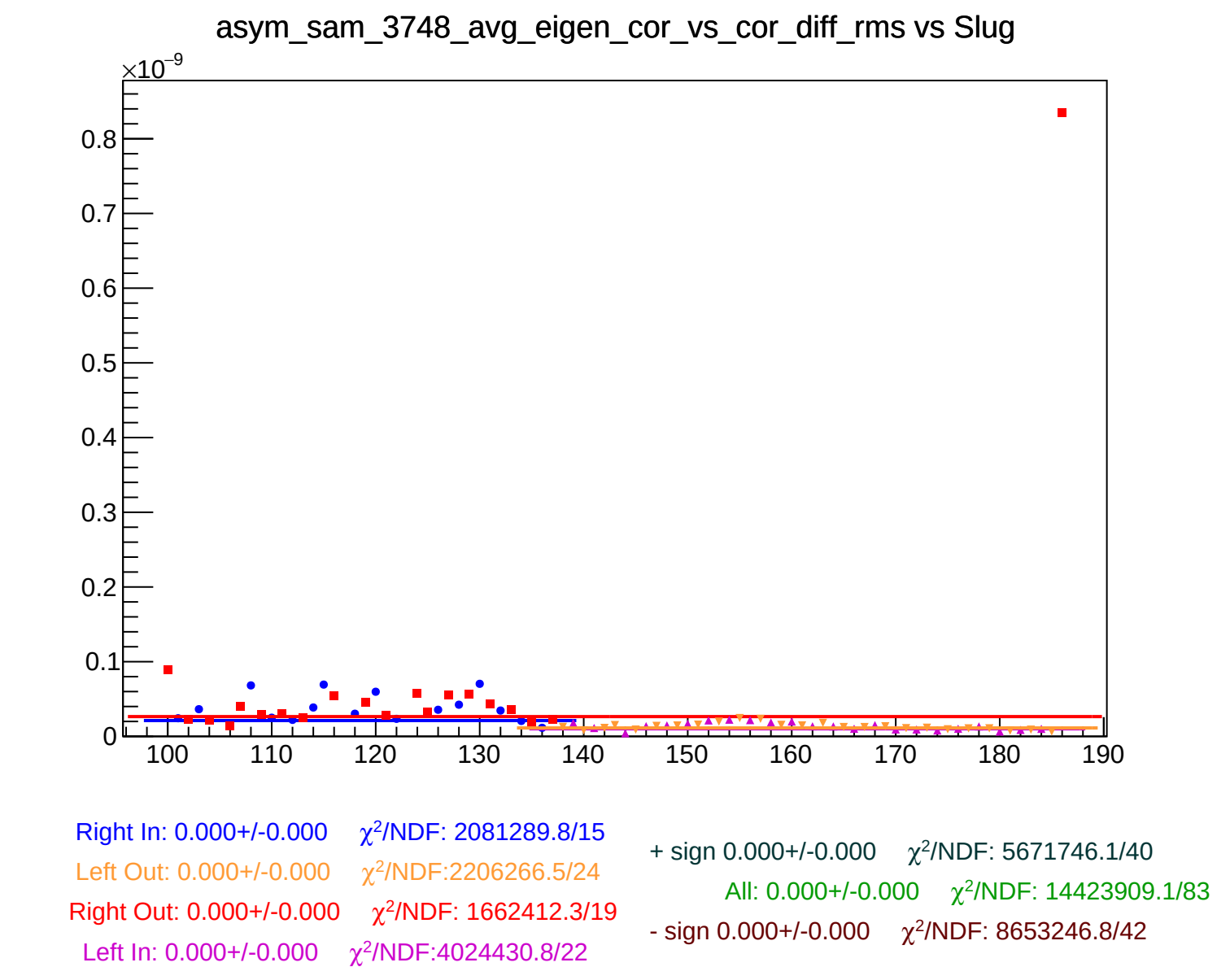
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/19

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

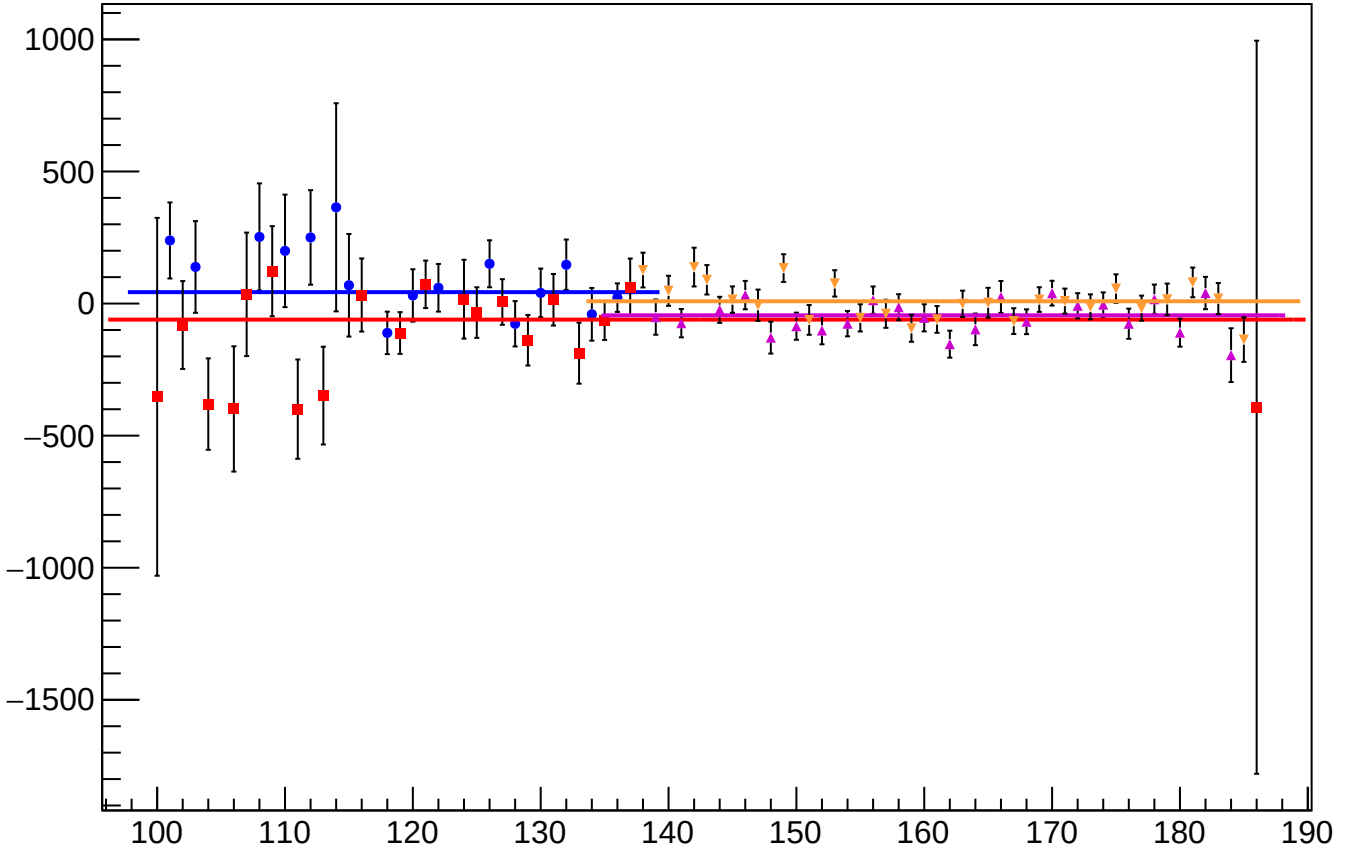
+ sign -0.000+/-0.000 χ^2/NDF: 60.8/40

All: -0.000+/-0.000 χ^2/NDF: 129.4/83

- sign -0.000+/-0.000 χ^2/NDF: 66.2/42


asym_sam_3748_avg_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: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2206266.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 1662412.3/19
Left In: 0.000+/-0.000 χ²/NDF:4024430.8/22
+ sign 0.000+/-0.000 χ²/NDF: 5671746.1/40
All: 0.000+/-0.000 χ²/NDF: 14423909.1/83
- sign 0.000+/-0.000 χ²/NDF: 8653246.8/42

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -60.706+/-26.889 χ^2/NDF: 20.5/19

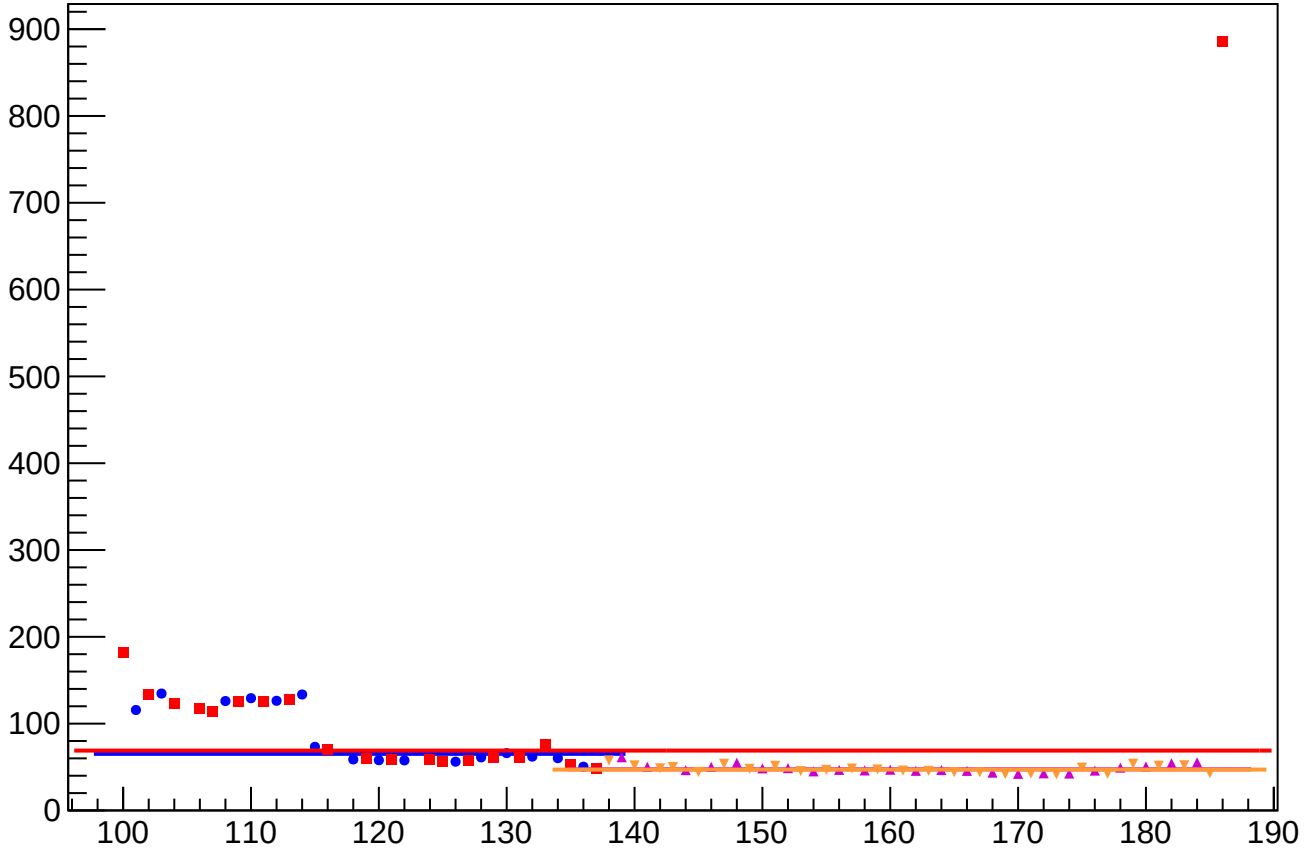
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 13.880+/-9.937 χ^2/NDF: 51.1/40

All: -15.431+/-7.151 χ^2/NDF: 116.9/83

- sign -46.912+/-10.299 χ^2/NDF: 47.8/42

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

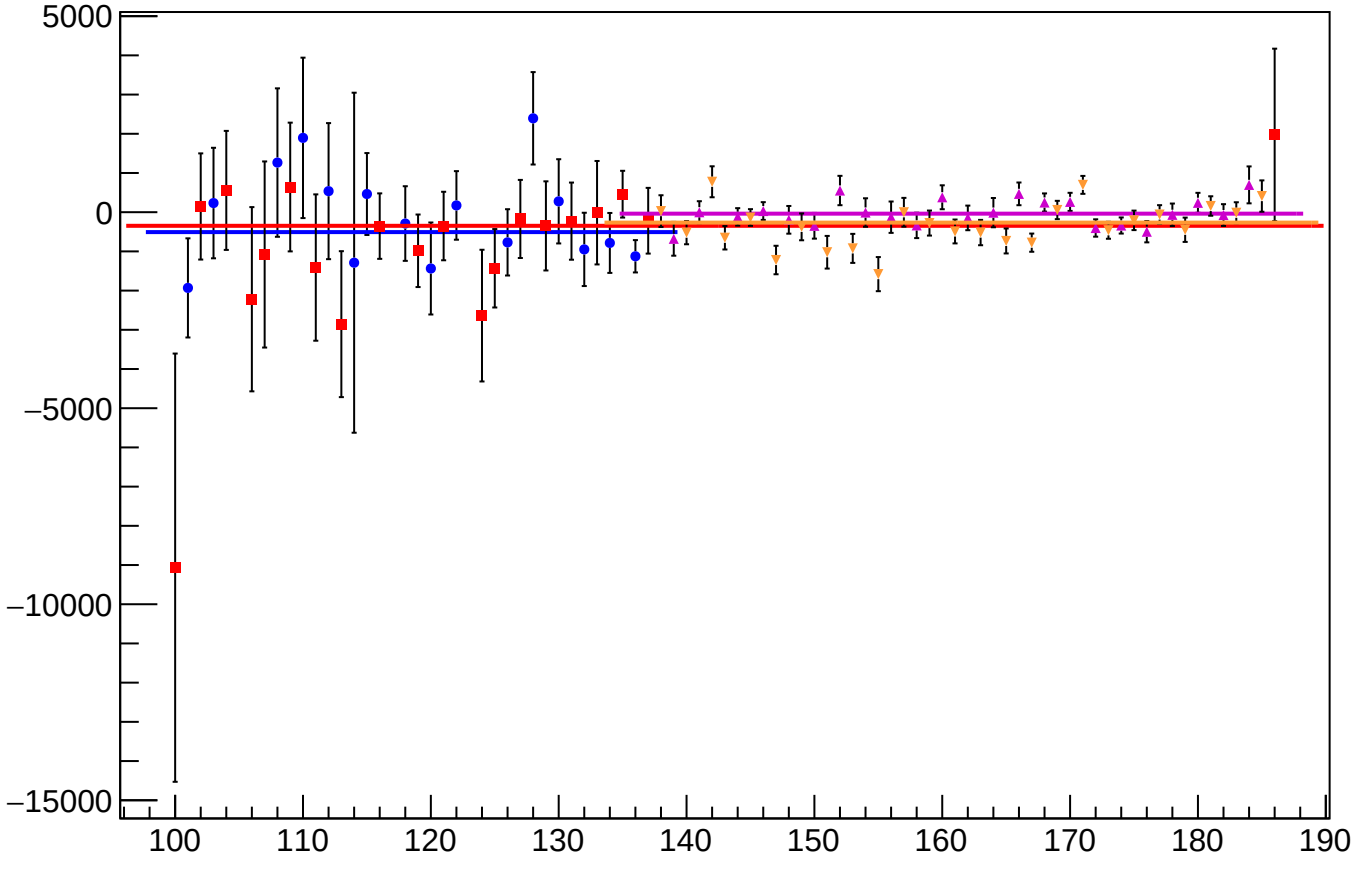
Right Out: 68.963+/-0.019 χ^2/NDF: 2334085.0/19

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 49.761+/-0.007 χ^2/NDF: 2577944.7/40

All: 50.141+/-0.005 χ^2/NDF: 6288312.8/83

- sign 50.549+/-0.007 χ^2/NDF: 3704297.1/42



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -347.415+/-254.684 χ^2/NDF: 12.9/19

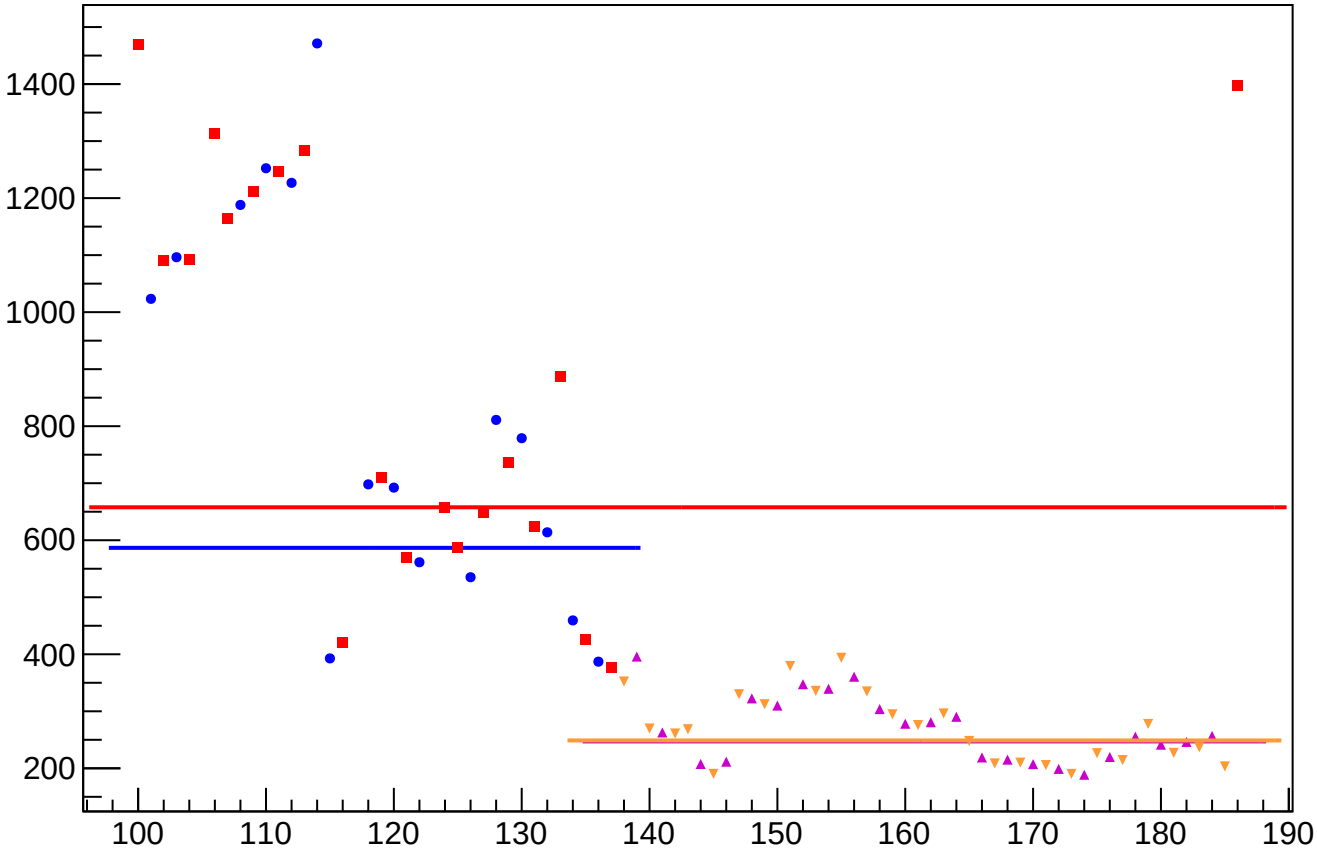
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -279.392+/-56.365 χ^2/NDF: 86.4/40

All: -168.891+/-40.294 χ^2/NDF: 135.1/83

- sign -53.394+/-57.625 χ^2/NDF: 40.9/42

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 657.790+/-0.180 χ^2/NDF: 2335125.4/19

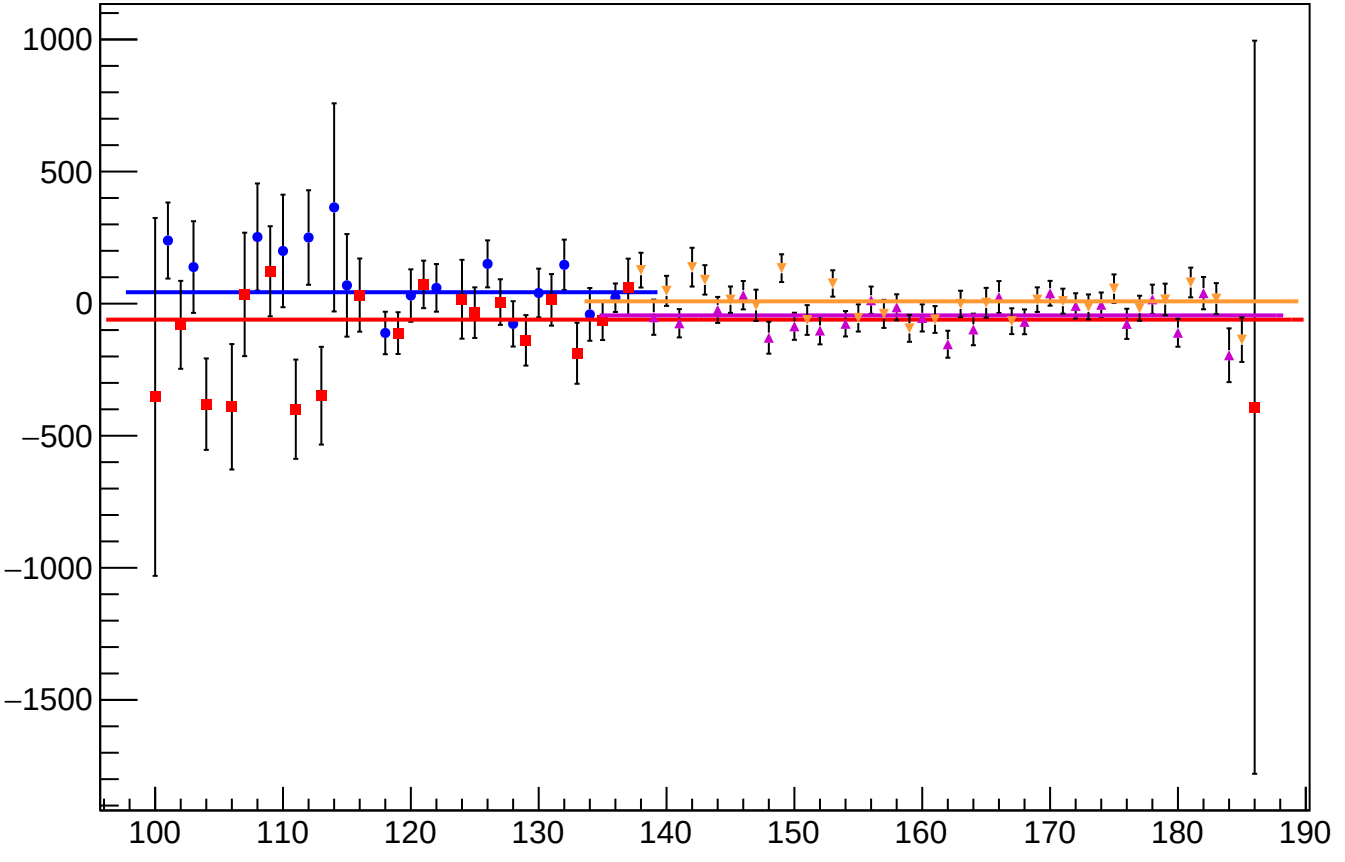
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 268.004+/-0.040 χ^2/NDF: 7550725.0/40

All: 268.067+/-0.028 χ^2/NDF: 16304460.3/83

- sign 268.134+/-0.041 χ^2/NDF: 8753730.1/42

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -60.556+/-26.890 χ^2/NDF: 20.4/19

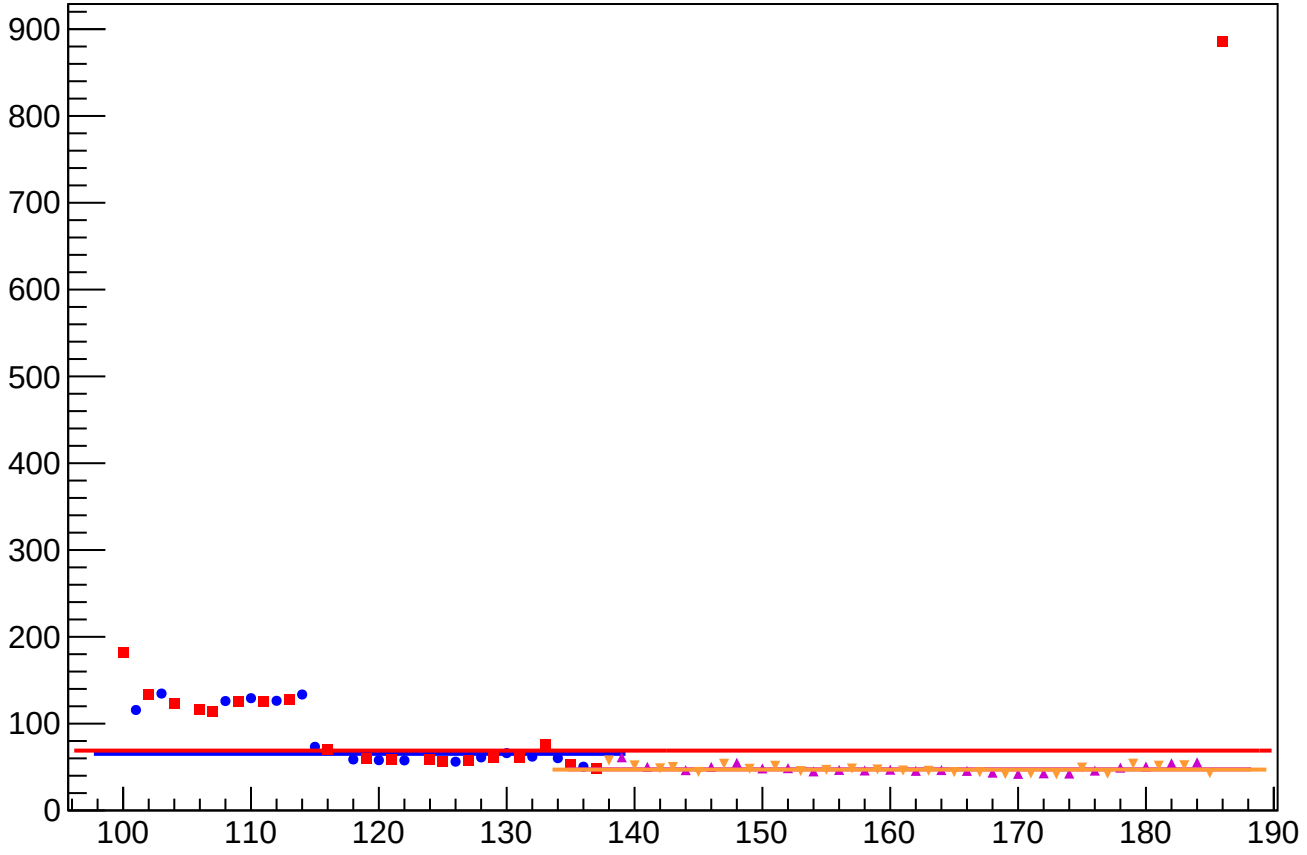
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.881+/-9.937 χ^2/NDF: 51.1/40

All: -15.420+/-7.151 χ^2/NDF: 116.8/83

- sign -46.889+/-10.299 χ^2/NDF: 47.7/42

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

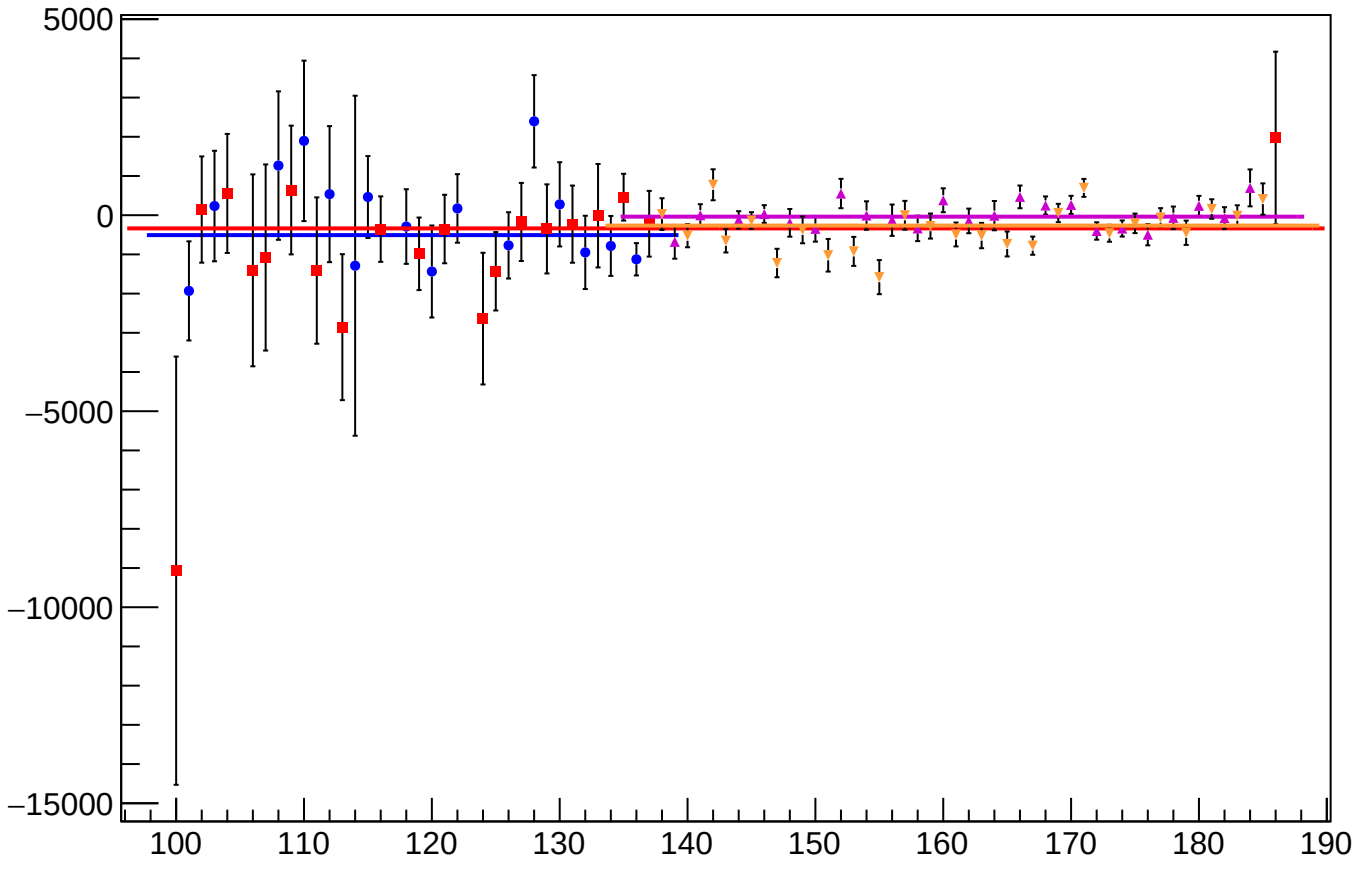
Right Out: 68.949+/-0.019 χ^2/NDF: 2330767.4/19

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 49.761+/-0.007 χ^2/NDF: 2577946.7/40

All: 50.140+/-0.005 χ^2/NDF: 6283441.9/83

- sign 50.547+/-0.007 χ^2/NDF: 3699459.1/42



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

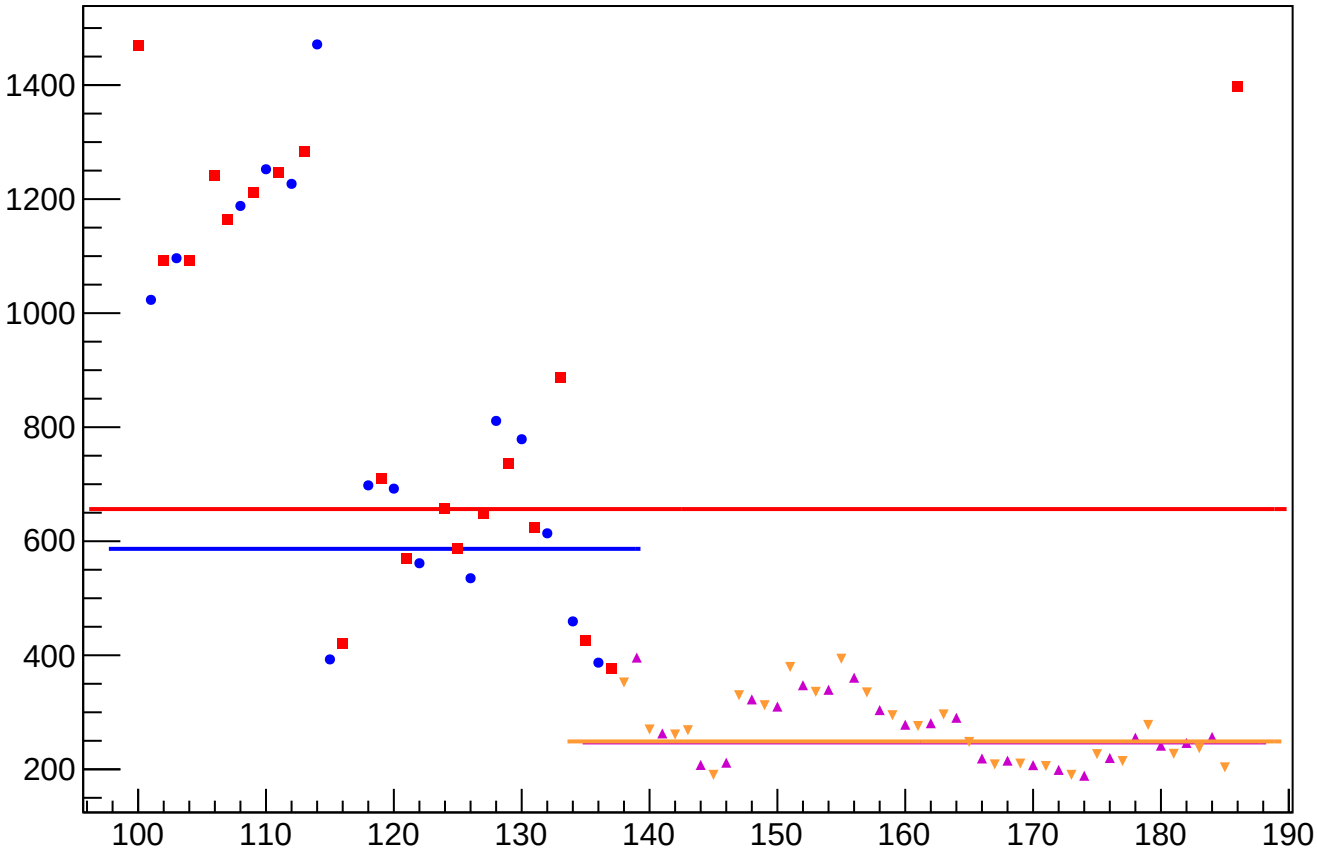
Right Out: -336.966+/-254.808 χ^2/NDF: 12.4/19

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -279.387+/-56.365 χ^2/NDF: 86.4/40

All: -168.621+/-40.295 χ^2/NDF: 134.6/83

- sign -52.842+/-57.627 χ^2/NDF: 40.3/42



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 656.410+/-0.180 χ^2/NDF: 2293530.4/19

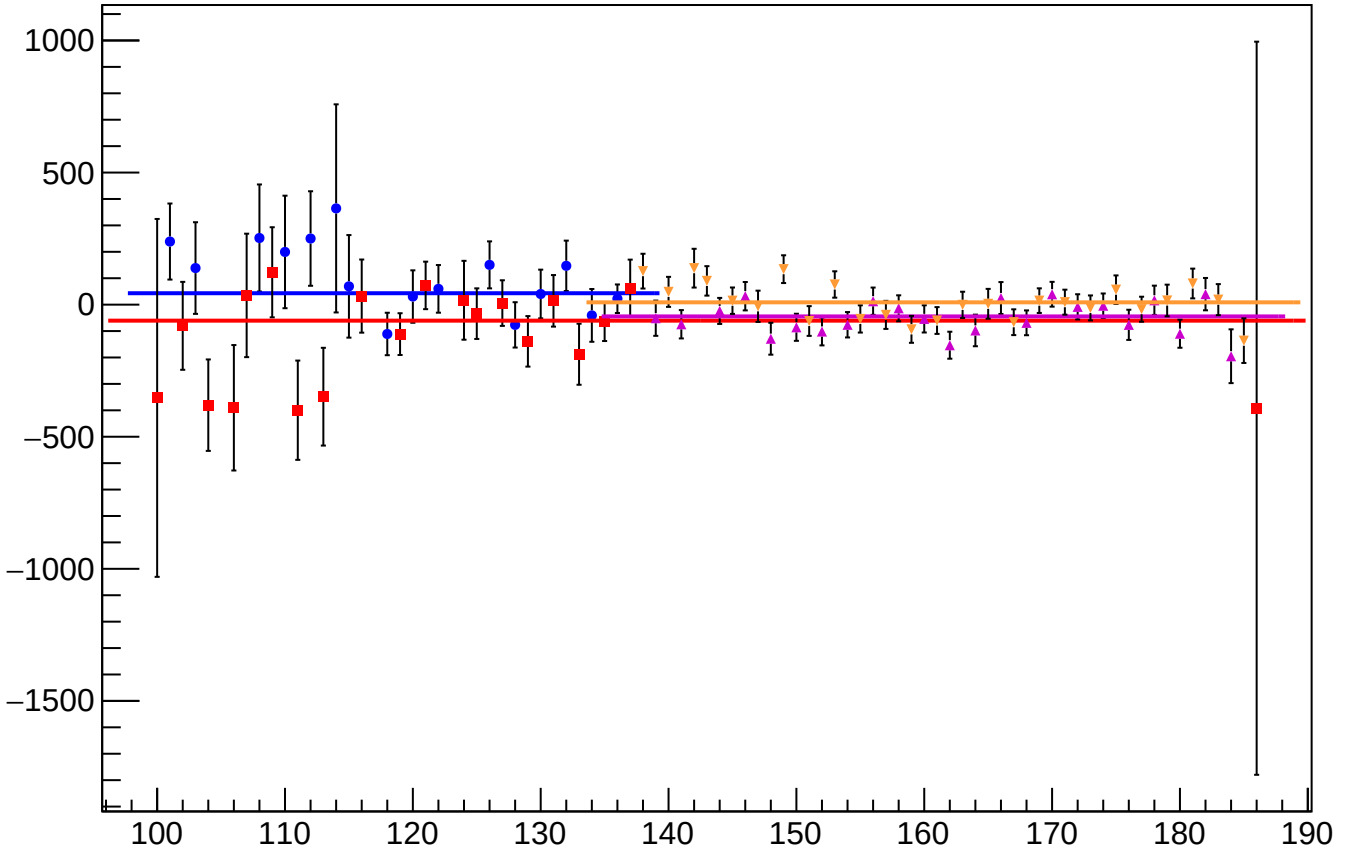
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 268.004+/-0.040 χ^2/NDF: 7550756.6/40

All: 268.023+/-0.028 χ^2/NDF: 16225254.2/83

- sign 268.044+/-0.041 χ^2/NDF: 8674497.1/42

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -60.556+/-26.890 χ^2/NDF: 20.4/19

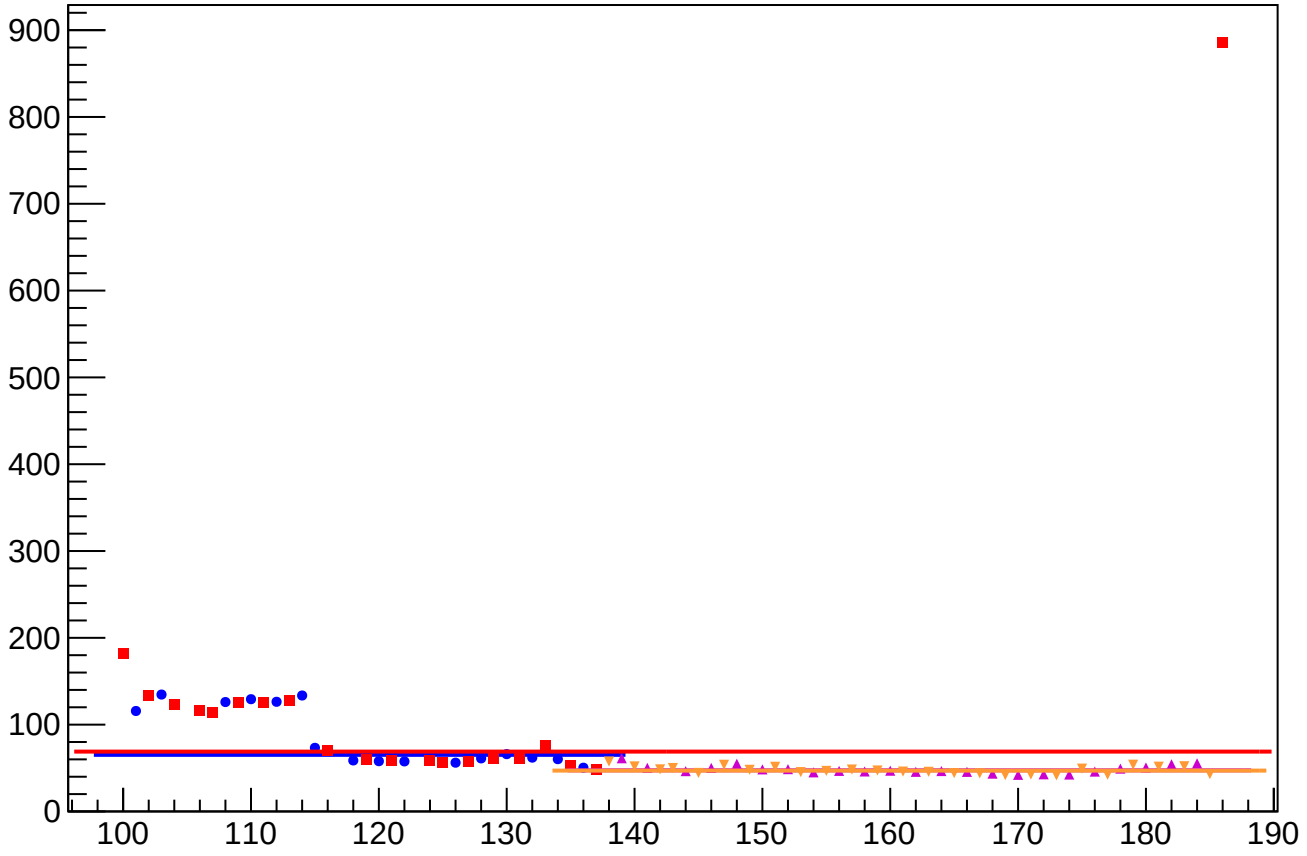
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.881+/-9.937 χ^2/NDF: 51.1/40

All: -15.420+/-7.151 χ^2/NDF: 116.8/83

- sign -46.889+/-10.299 χ^2/NDF: 47.7/42

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

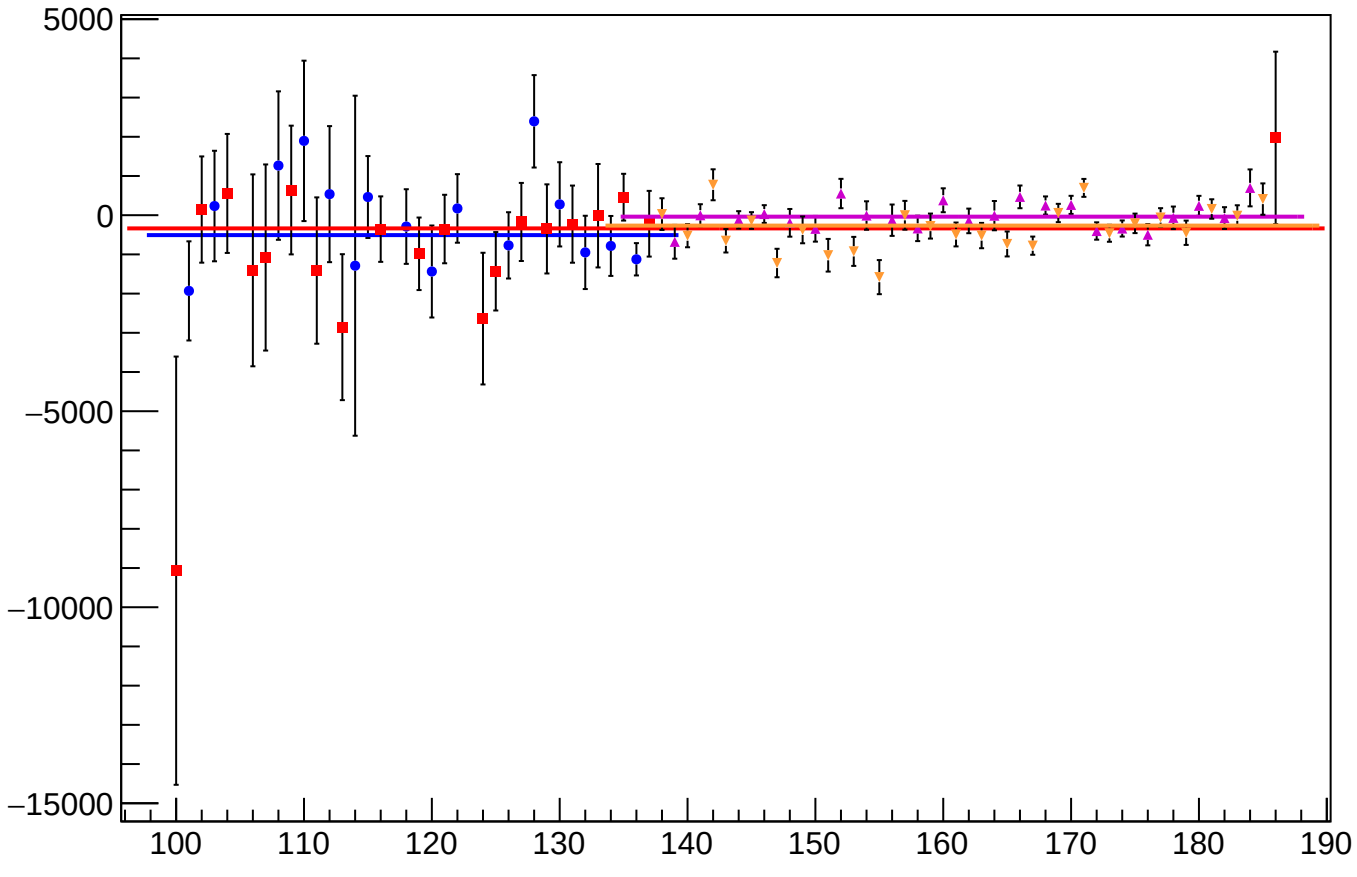
Right Out: 68.949+/-0.019 χ^2/NDF: 2330767.4/19

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 49.761+/-0.007 χ^2/NDF: 2577946.7/40

All: 50.140+/-0.005 χ^2/NDF: 6283441.9/83

- sign 50.547+/-0.007 χ^2/NDF: 3699459.1/42



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

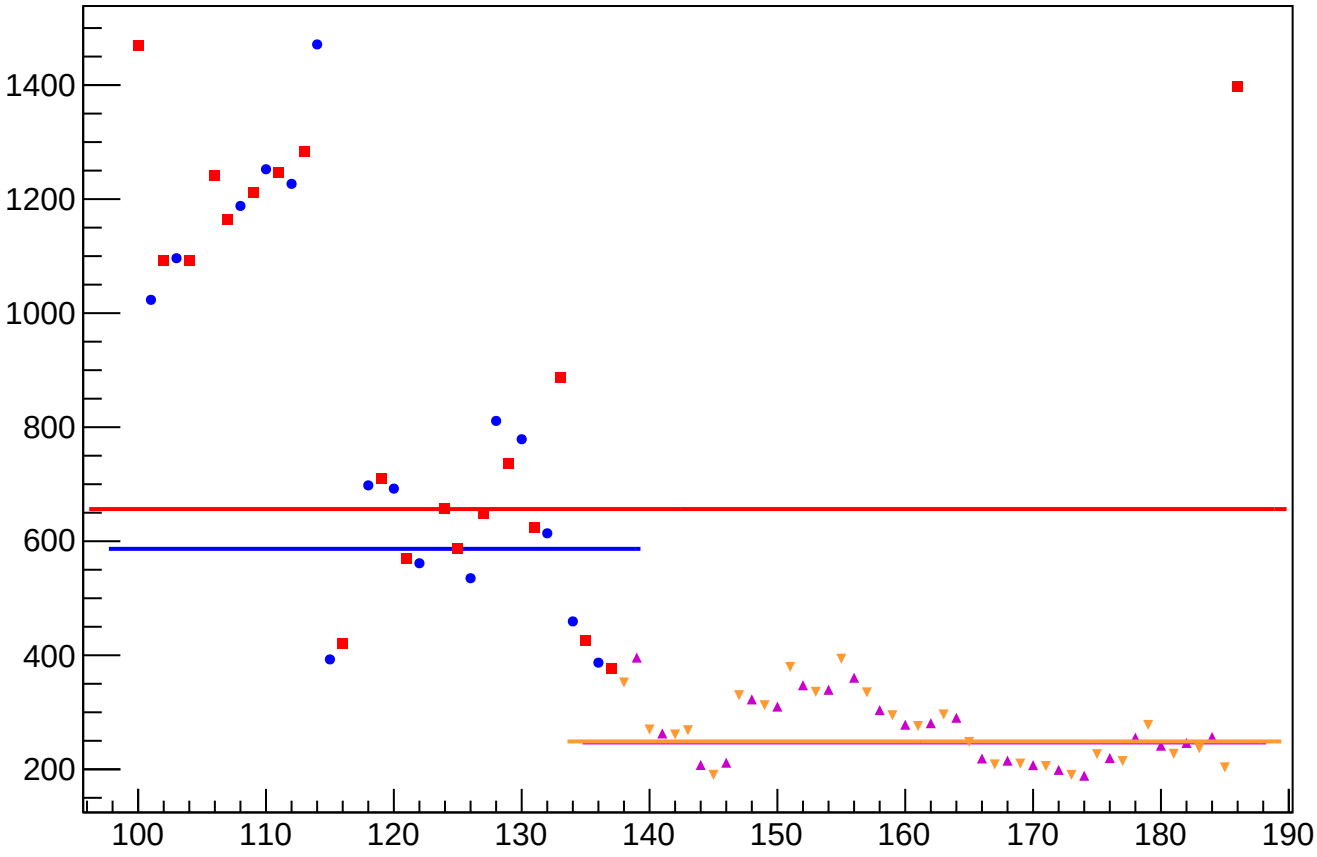
Right Out: -336.966+/-254.808 χ^2/NDF: 12.4/19

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -279.387+/-56.365 χ^2/NDF: 86.4/40

All: -168.621+/-40.295 χ^2/NDF: 134.6/83

- sign -52.842+/-57.627 χ^2/NDF: 40.3/42



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 656.410+/-0.180 χ^2/NDF: 2293530.4/19

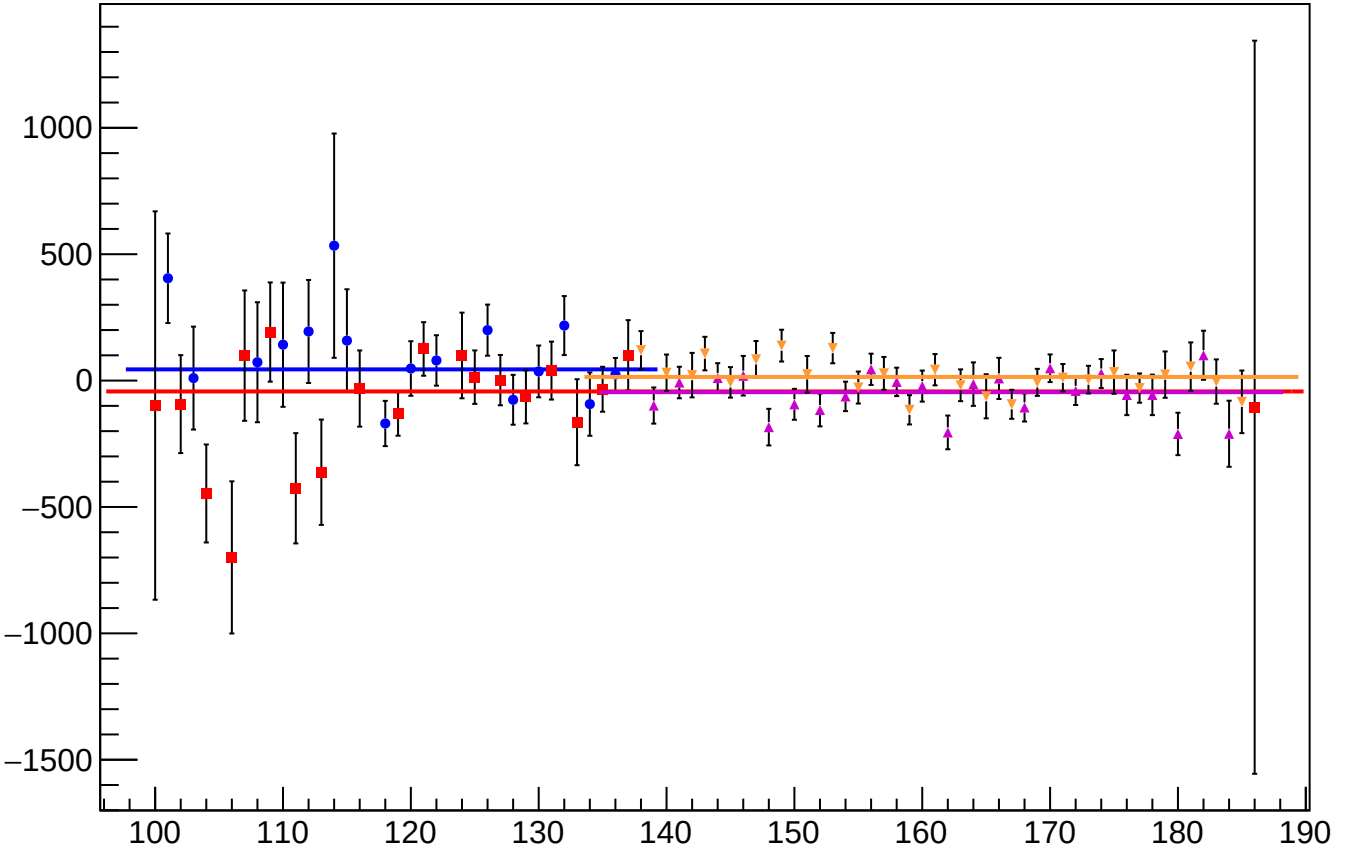
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 268.004+/-0.040 χ^2/NDF: 7550756.6/40

All: 268.023+/-0.028 χ^2/NDF: 16225254.2/83

- sign 268.044+/-0.041 χ^2/NDF: 8674497.1/42

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -42.930+/-31.241 χ^2/NDF: 23.3/19

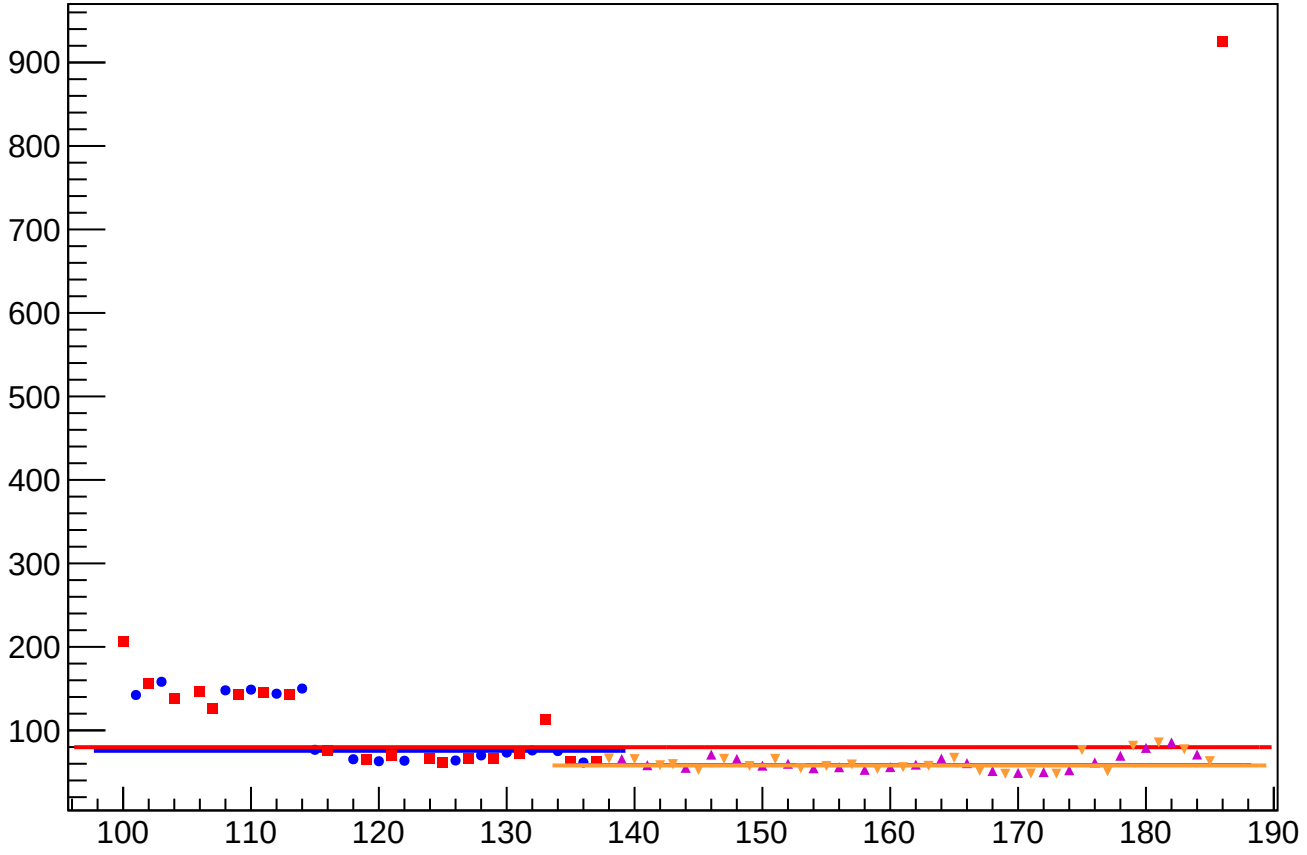
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 19.529+/-12.270 χ^2/NDF: 45.0/40

All: -11.724+/-8.832 χ^2/NDF: 112.5/83

- sign -45.329+/-12.723 χ^2/NDF: 54.0/42

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

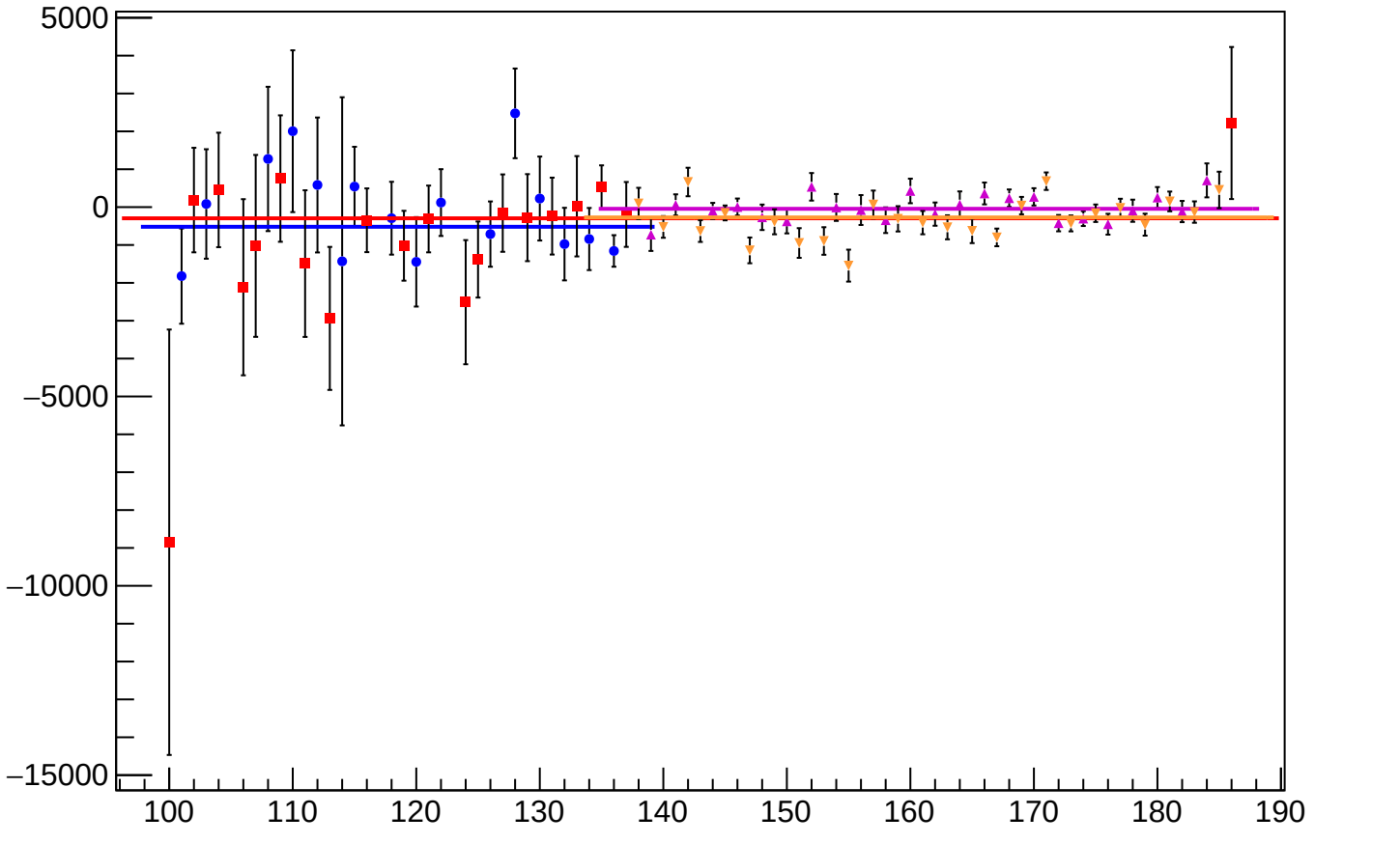
Right Out: 79.858+/-0.022 χ^2/NDF: 2363324.4/19

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 60.924+/-0.009 χ^2/NDF: 2937137.7/40

All: 61.455+/-0.006 χ^2/NDF: 6739379.0/83

- sign 62.025+/-0.009 χ^2/NDF: 3794478.7/42



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -295.622+/-254.547 χ^2/NDF: 13.5/19

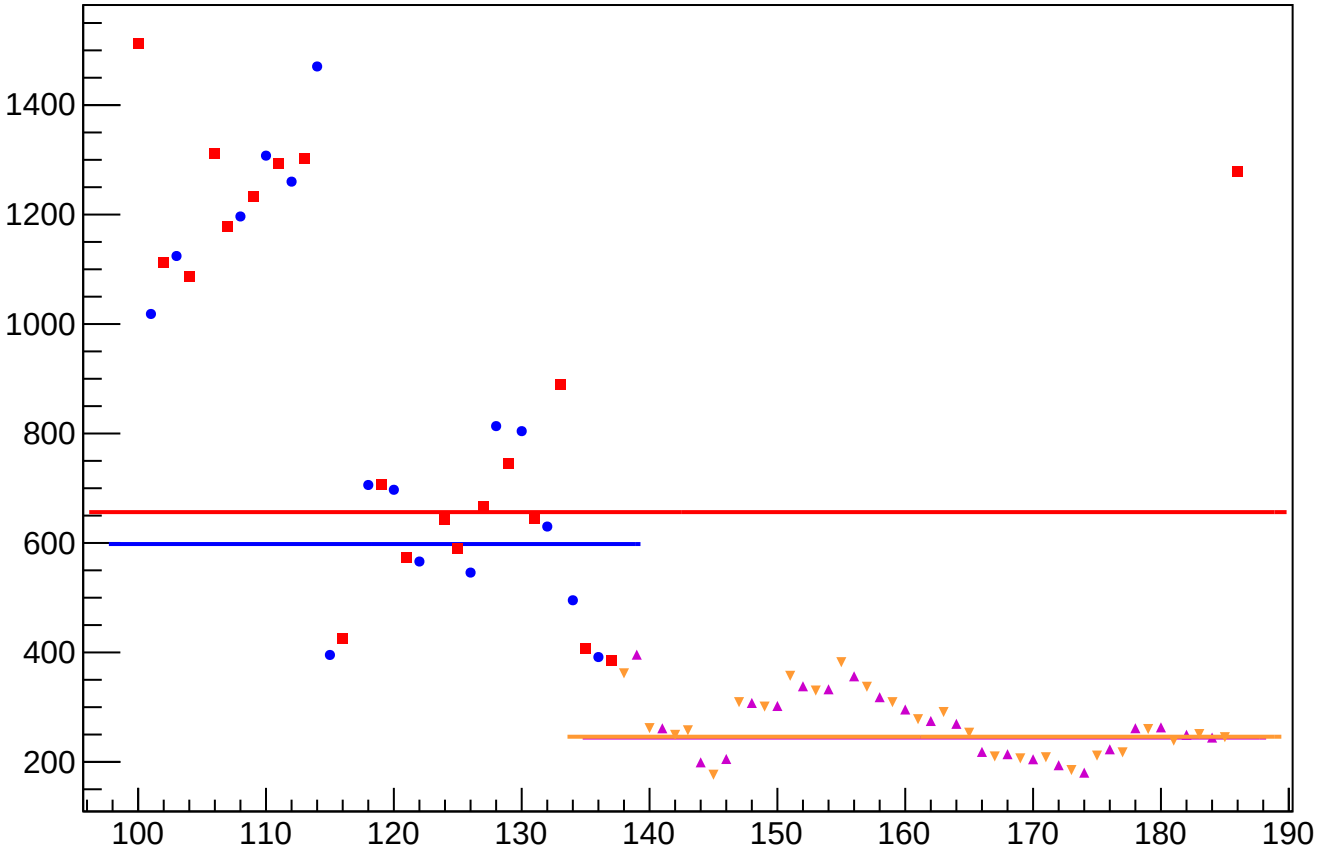
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -285.671+/-55.726 χ^2/NDF: 82.6/40

All: -174.254+/-39.888 χ^2/NDF: 131.7/83

- sign -57.195+/-57.119 χ^2/NDF: 40.9/42

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 656.370+/-0.180 χ^2/NDF: 2401229.1/19

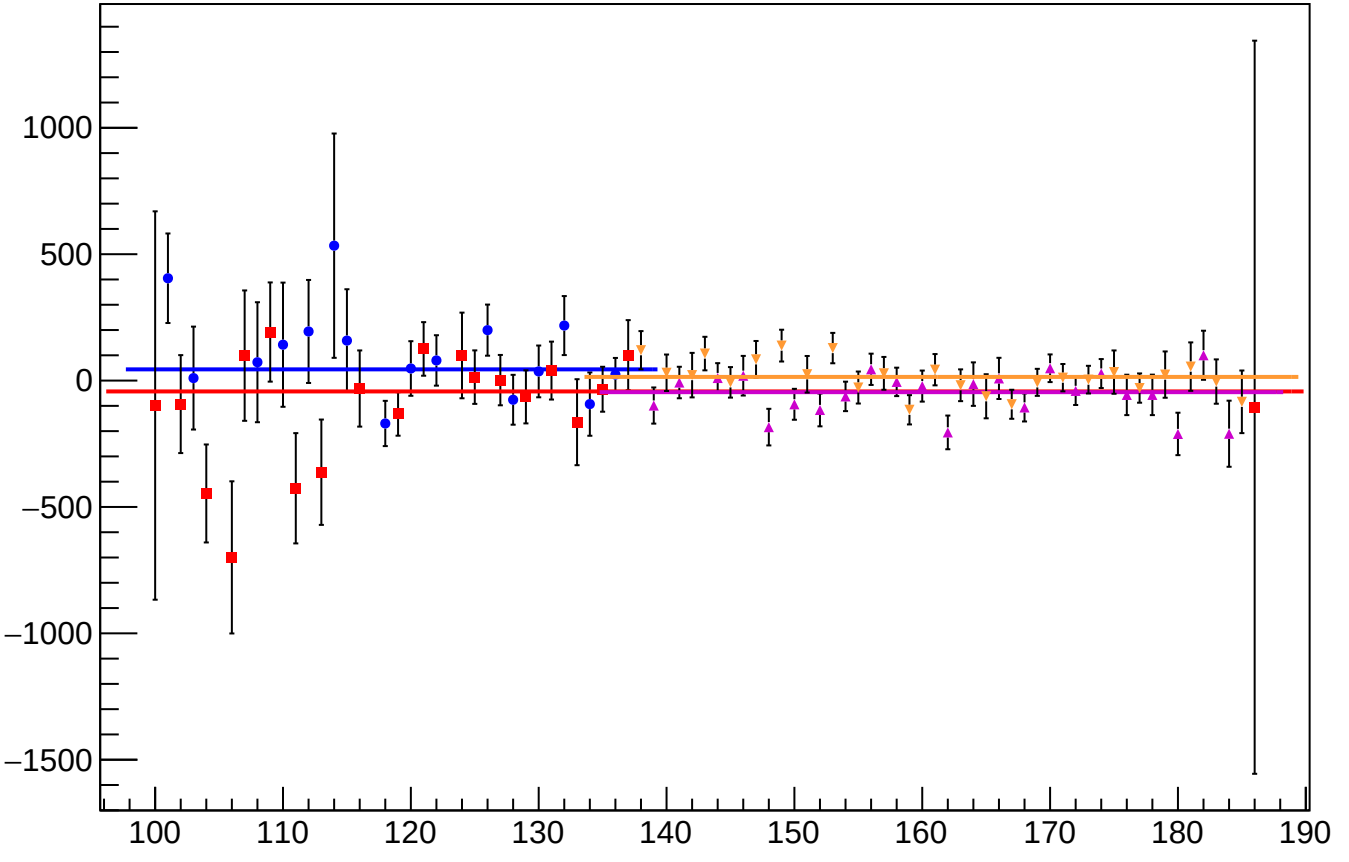
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 264.789+/-0.039 χ^2/NDF: 7757500.3/40

All: 264.985+/-0.028 χ^2/NDF: 16729511.0/83

- sign 265.192+/-0.040 χ^2/NDF: 8971959.7/42

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -42.929+/-31.241 χ^2/NDF: 23.3/19

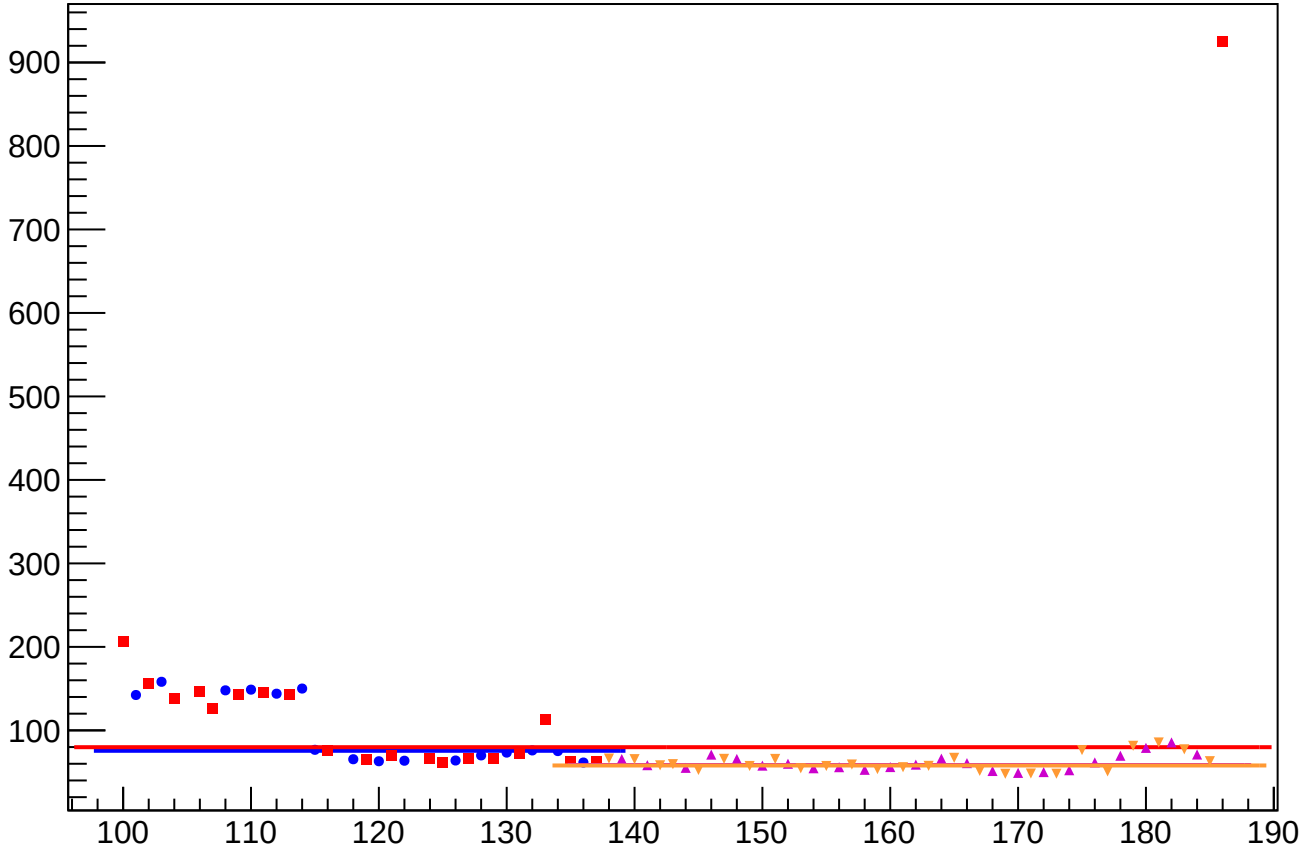
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 19.528+/-12.270 χ^2/NDF: 45.0/40

All: -11.723+/-8.832 χ^2/NDF: 112.5/83

- sign -45.328+/-12.723 χ^2/NDF: 54.0/42

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

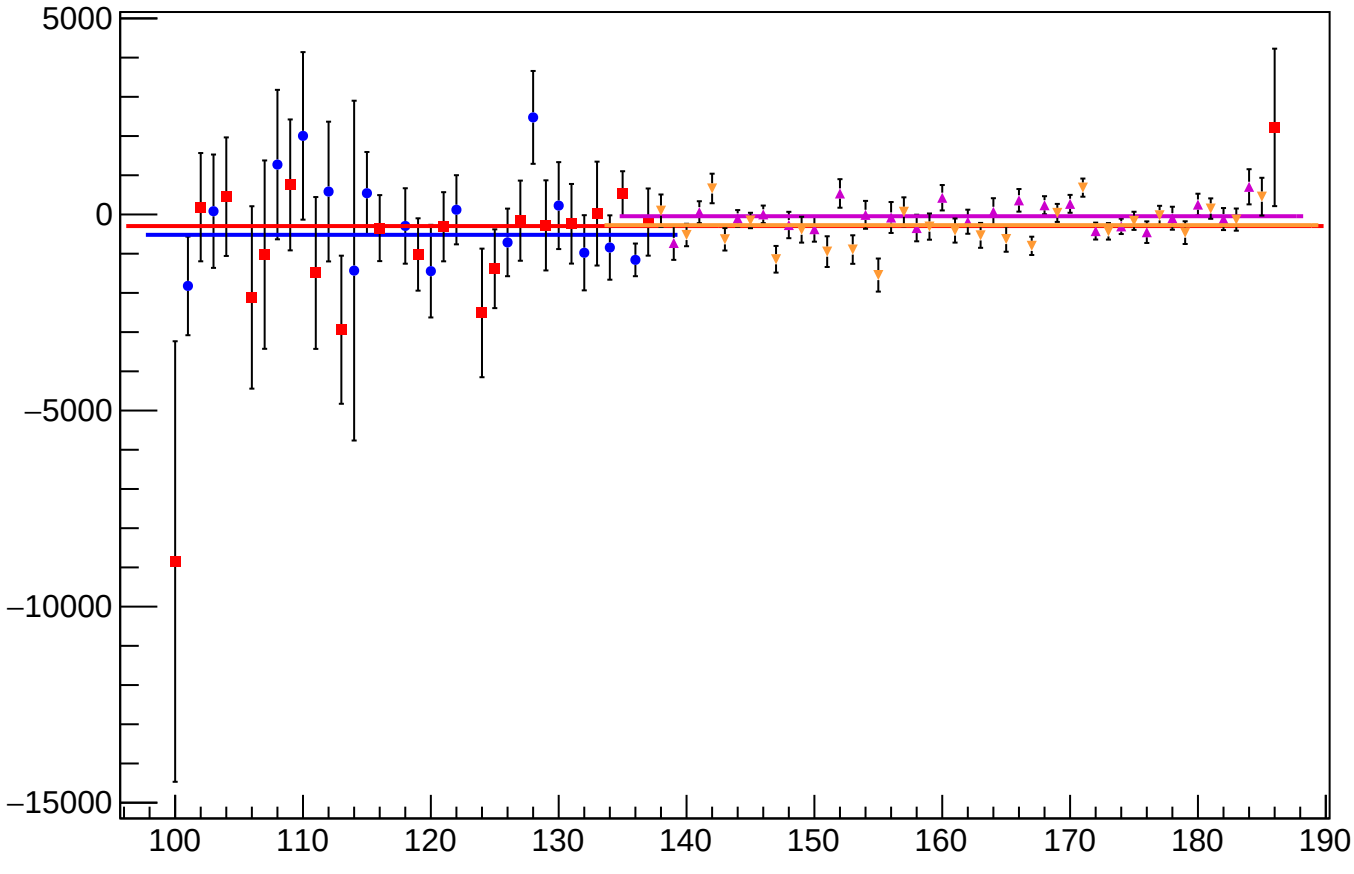
Right Out: 79.858+/-0.022 χ^2/NDF: 2363318.1/19

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 60.924+/-0.009 χ^2/NDF: 2937105.8/40

All: 61.455+/-0.006 χ^2/NDF: 6739304.0/83

- sign 62.025+/-0.009 χ^2/NDF: 3794434.7/42



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

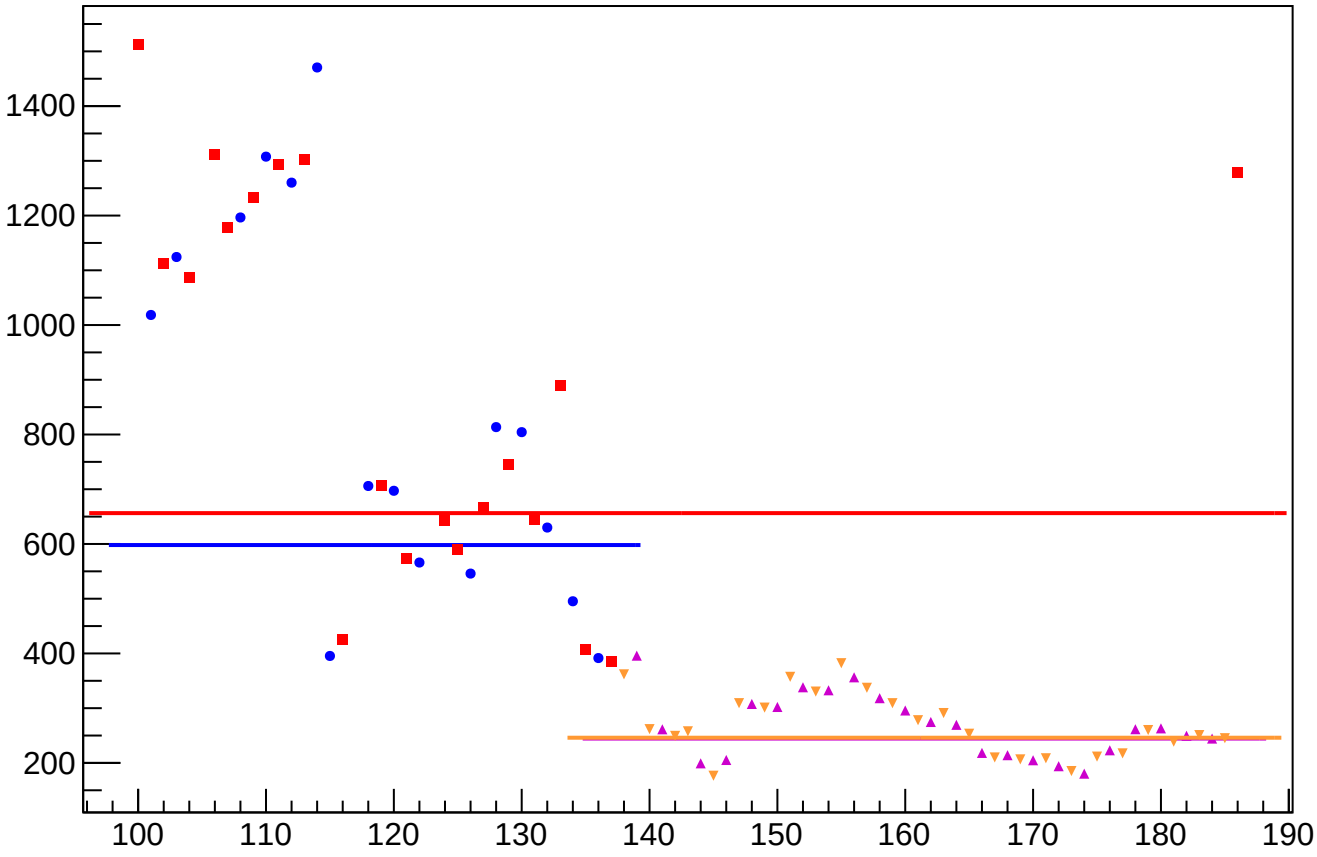
Right Out: -295.622+/-254.546 χ^2/NDF: 13.5/19

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -285.670+/-55.726 χ^2/NDF: 82.6/40

All: -174.253+/-39.888 χ^2/NDF: 131.7/83

- sign -57.195+/-57.119 χ^2/NDF: 40.9/42



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 656.370+/-0.180 χ^2/NDF: 2401210.0/19

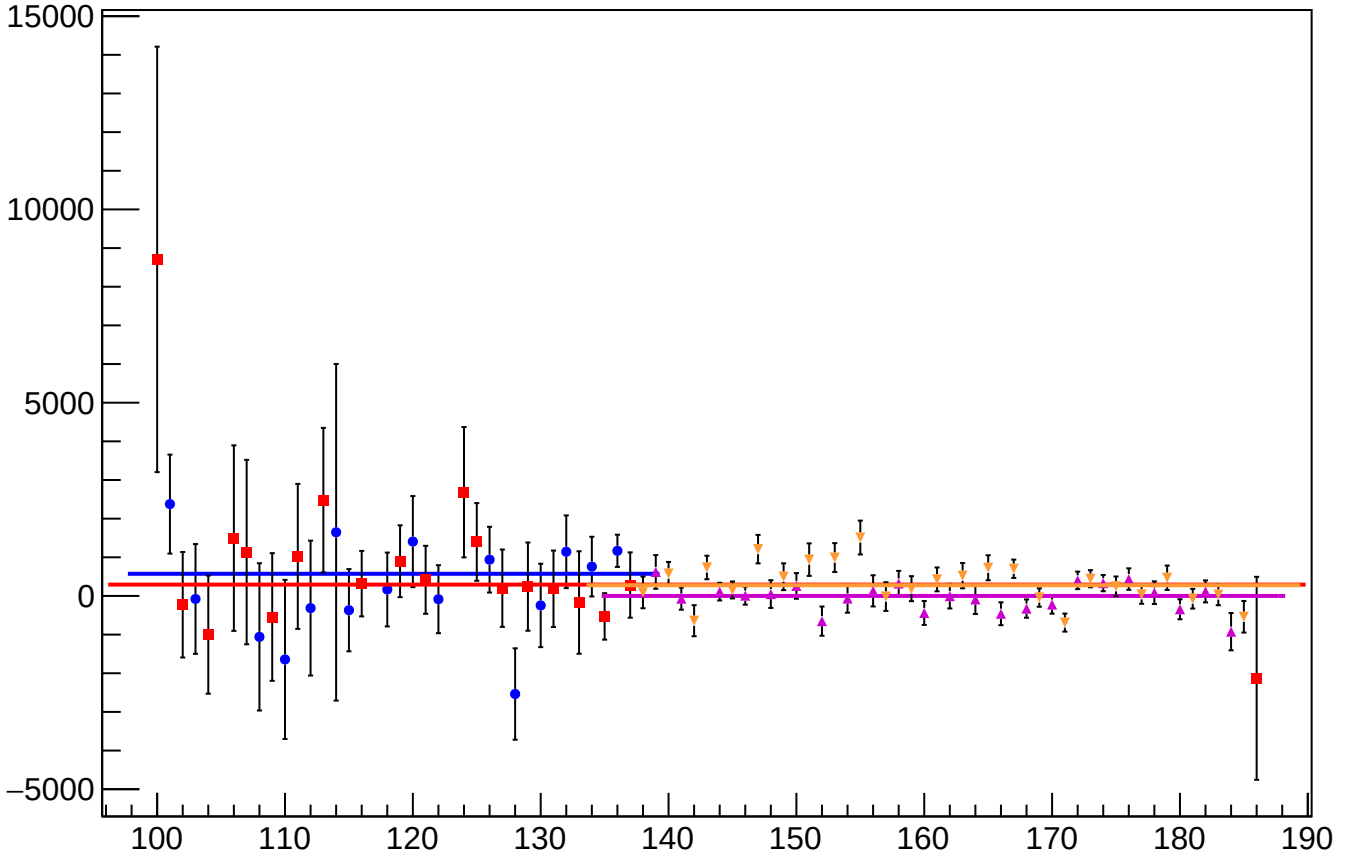
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 264.788+/-0.039 χ^2/NDF: 7757493.7/40

All: 264.985+/-0.028 χ^2/NDF: 16729483.6/83

- sign 265.191+/-0.040 χ^2/NDF: 8971938.9/42

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 293.381+/-256.999 χ^2/NDF: 11.9/19

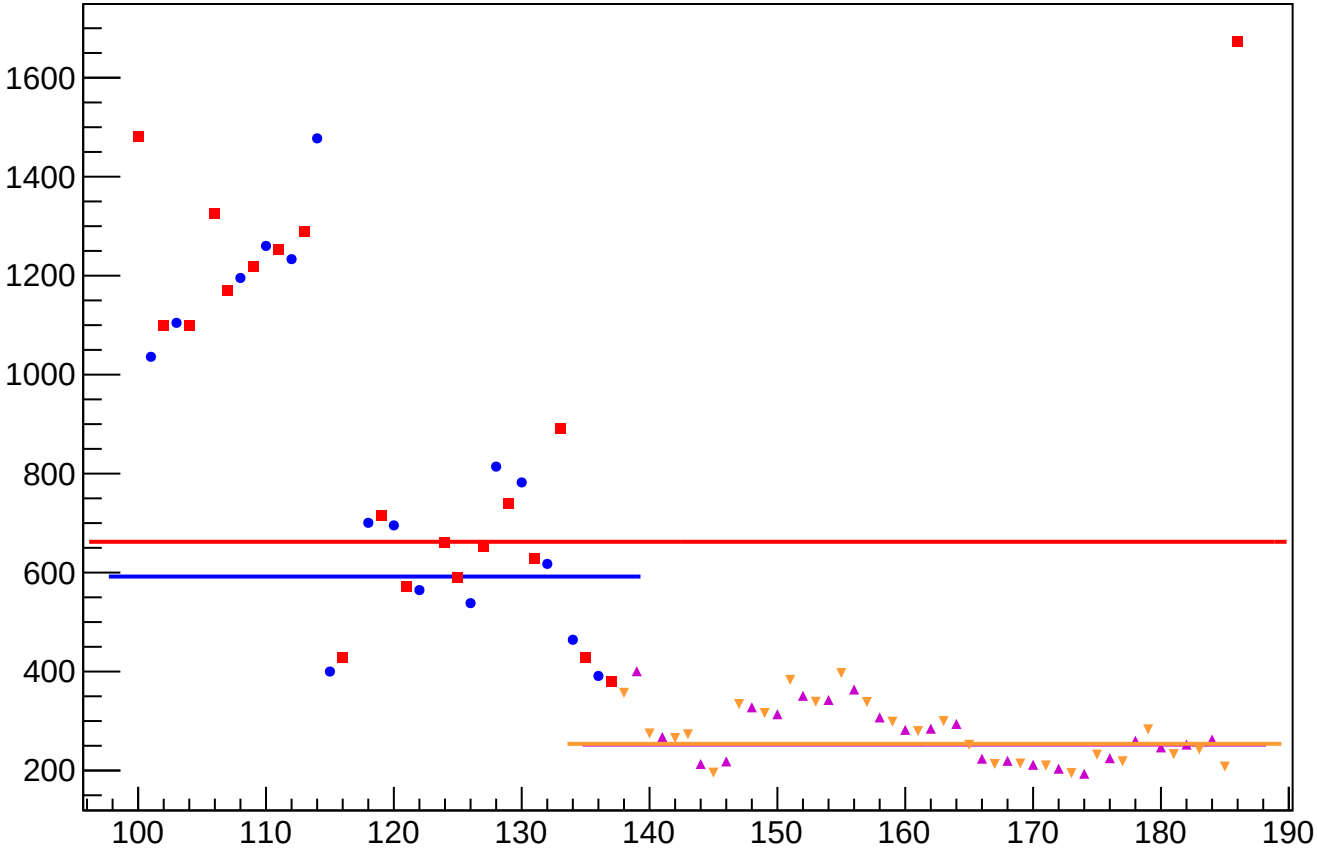
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 294.188+/-57.415 χ^2/NDF: 82.1/40

All: 158.240+/-41.065 χ^2/NDF: 134.8/83

- sign 15.862+/-58.758 χ^2/NDF: 41.2/42

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

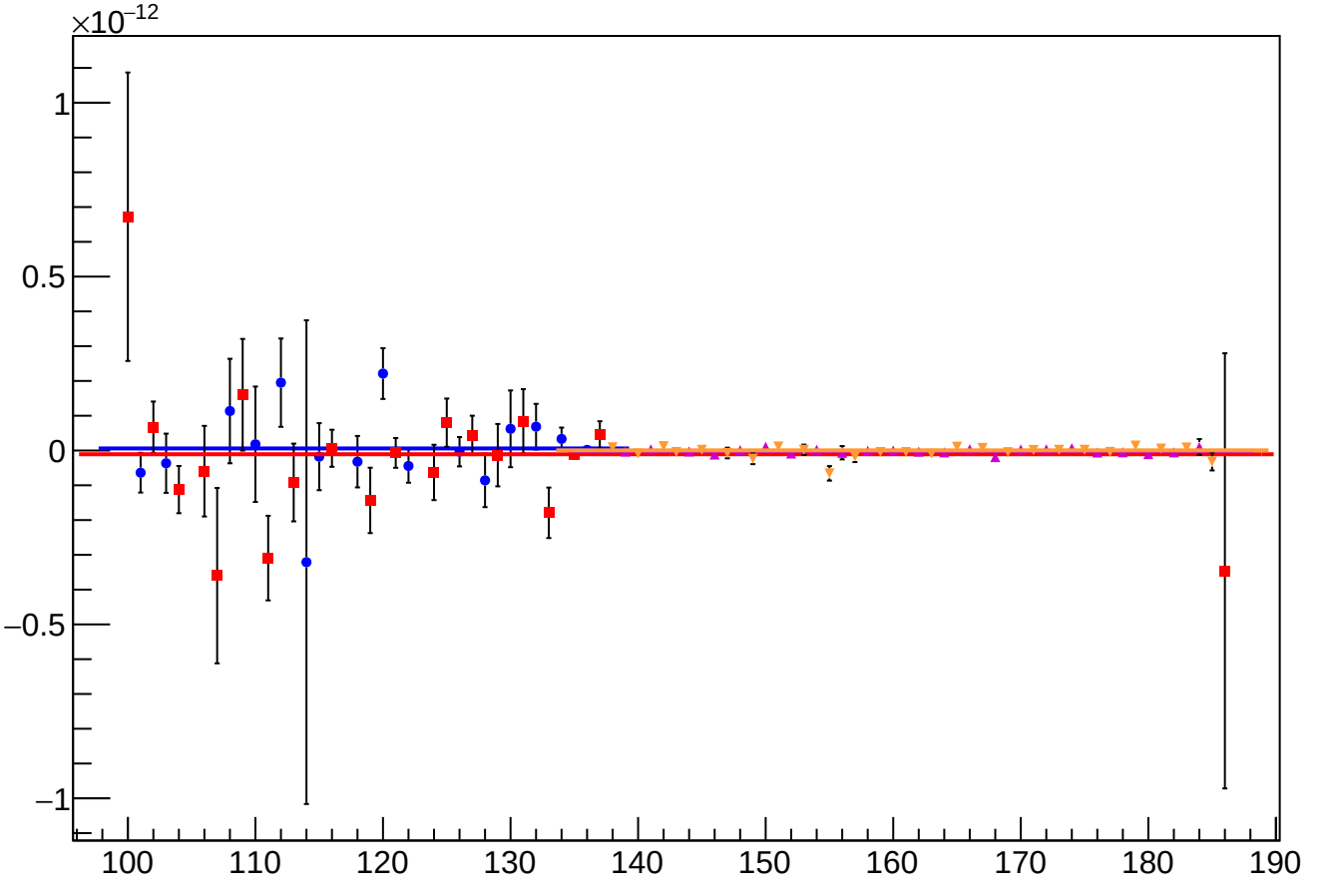
Right Out: 662.236+/-0.182 χ^2/NDF: 2389242.9/19

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 273.474+/-0.041 χ^2/NDF: 7398479.2/40

All: 273.640+/-0.029 χ^2/NDF: 16020453.9/83

- sign 273.813+/-0.042 χ^2/NDF: 8621940.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

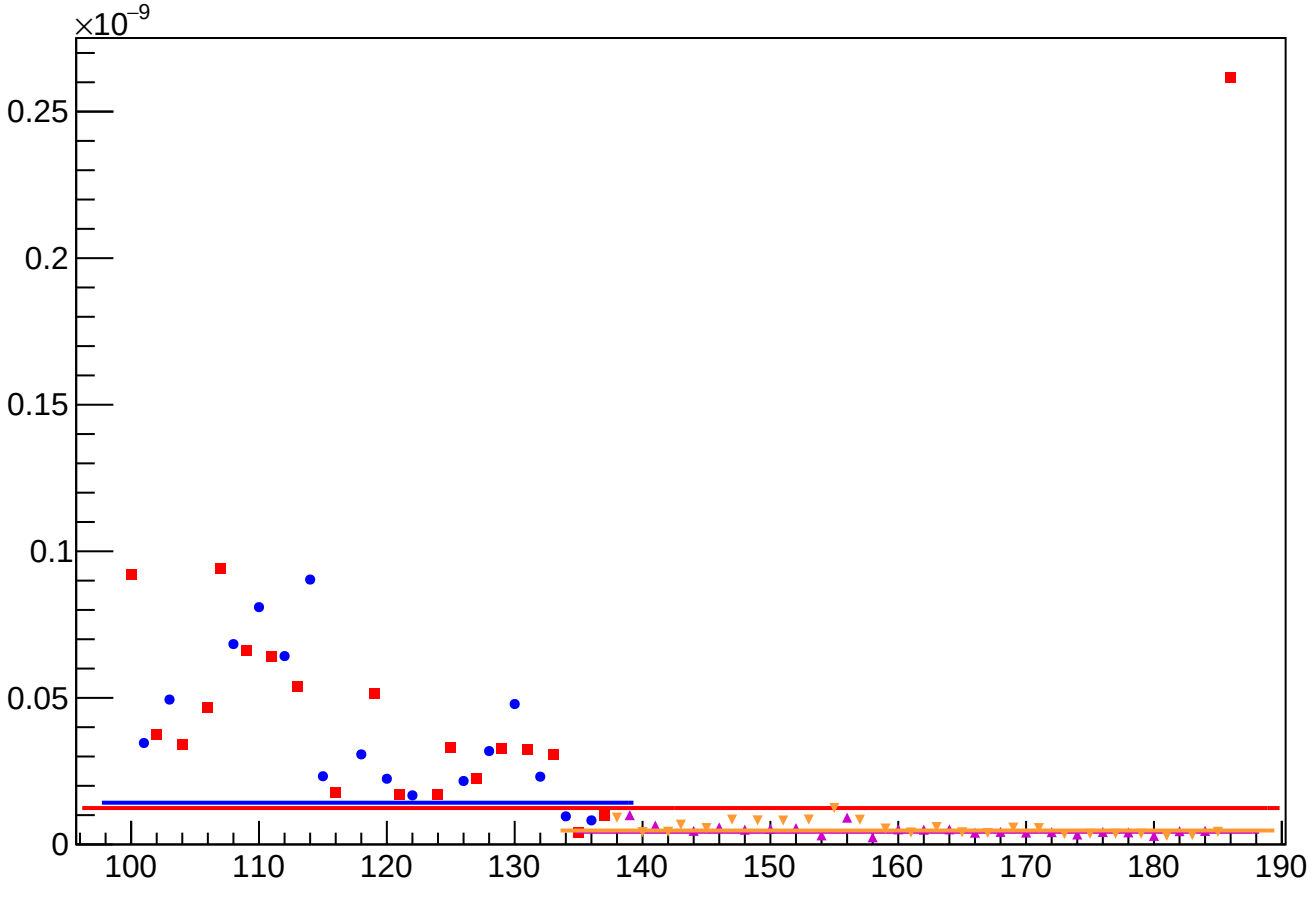
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/19

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.4/40

All: -0.000+/-0.000 χ^2/NDF: 90.8/83

- sign -0.000+/-0.000 χ^2/NDF: 44.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

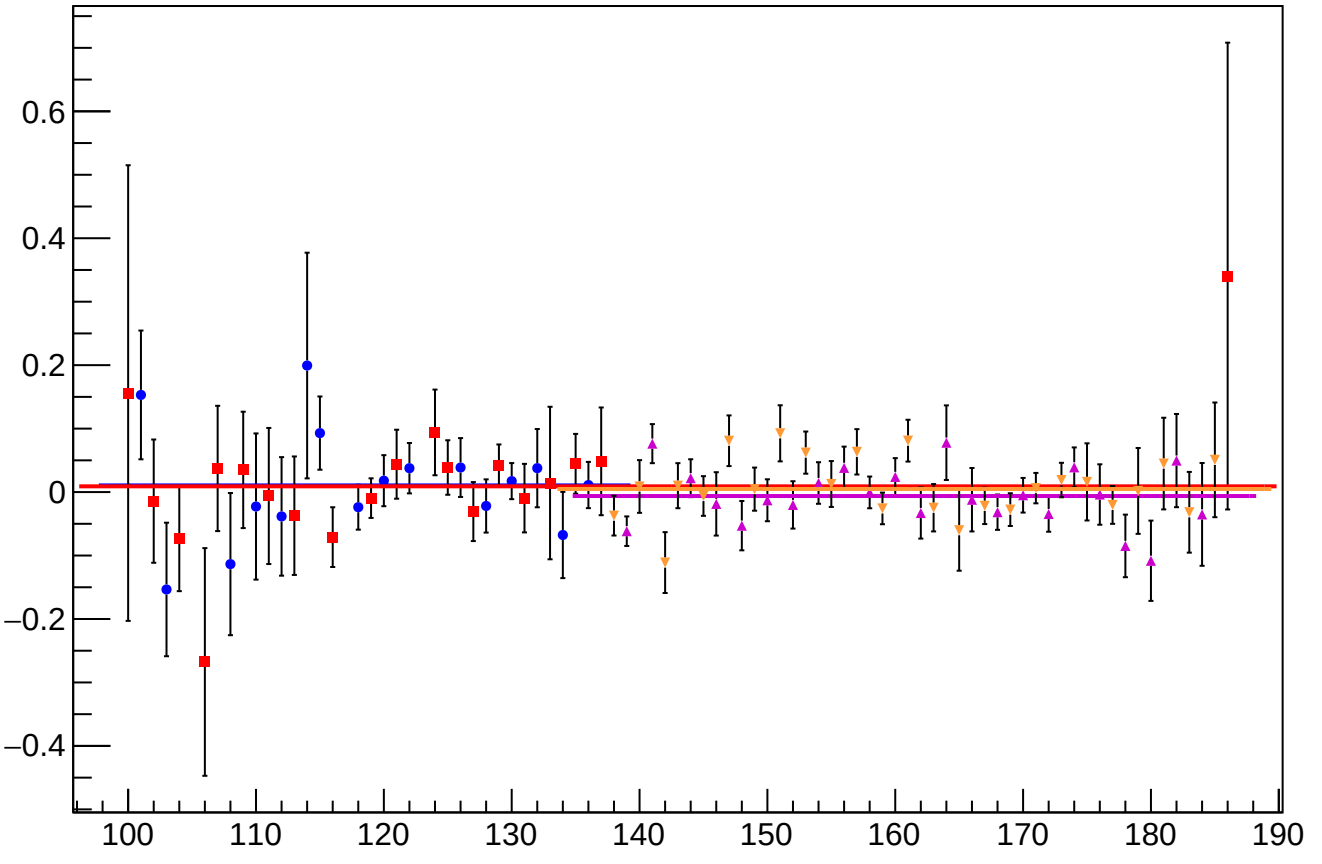
Right Out: 0.000+/-0.000 χ^2/NDF: 3790516.0/19

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5678025.0/40

All: 0.000+/-0.000 χ^2/NDF: 11669626.0/83

- sign 0.000+/-0.000 χ^2/NDF: 5919538.7/42



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.009+/-0.013 χ^2/NDF: 13.2/19

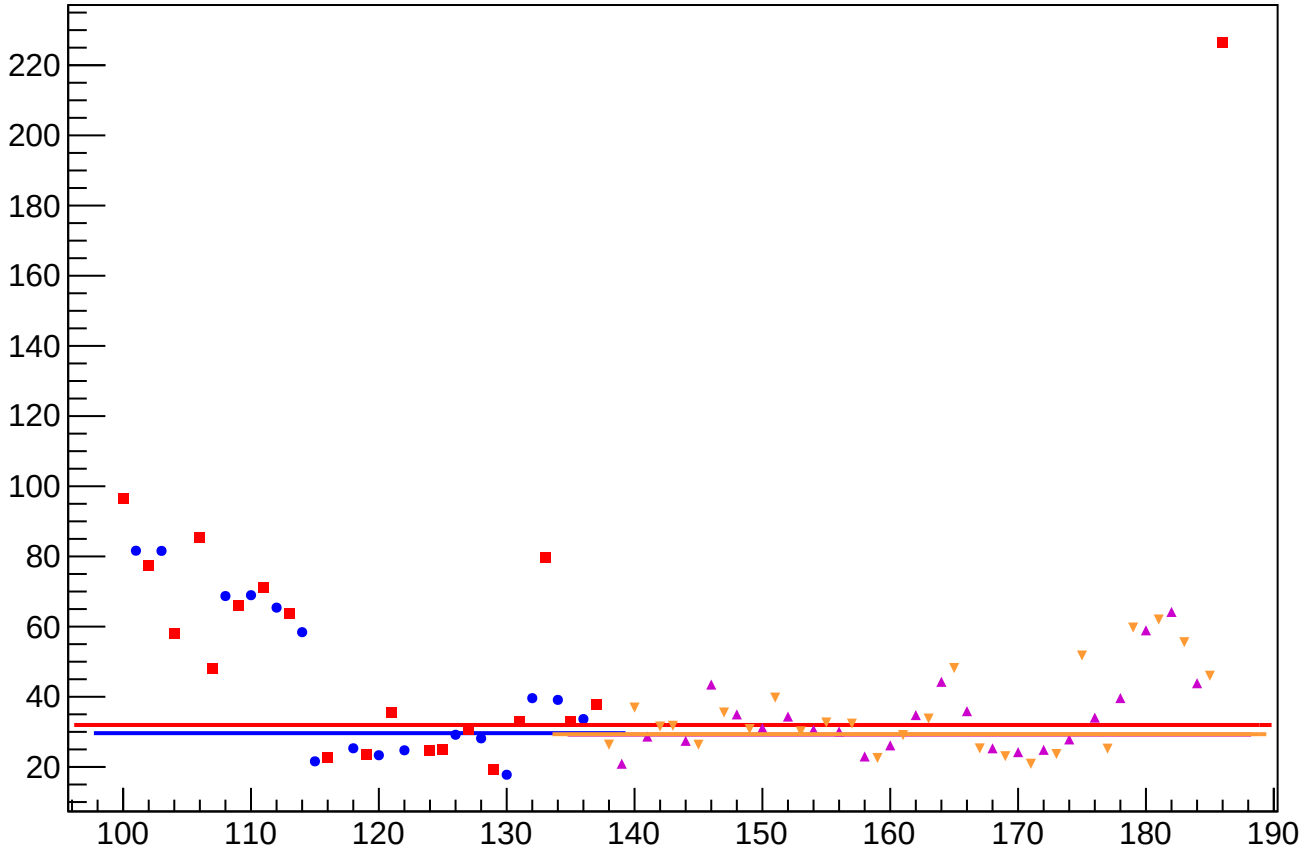
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.3/40

All: 0.002+/-0.004 χ^2/NDF: 93.5/83

- sign -0.003+/-0.006 χ^2/NDF: 45.2/42

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

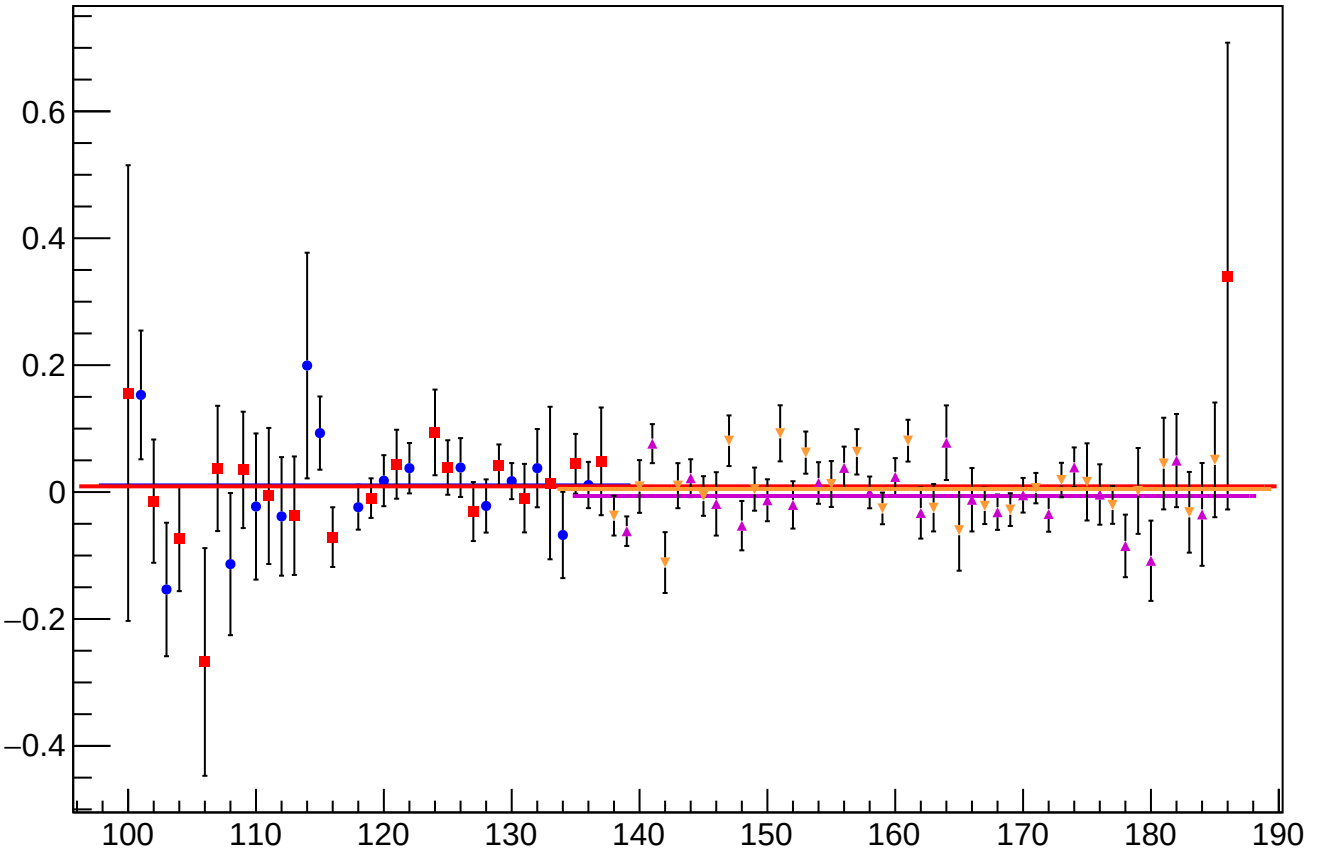
Right Out: 31.964+/-0.009 χ^2/NDF: 3211411.2/19

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

\+ sign 29.410+/-0.004 χ^2/NDF: 5136475.1/40

All: 29.628+/-0.003 χ^2/NDF: 10516504.9/83

\- sign 29.860+/-0.005 χ^2/NDF: 5374878.8/42



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

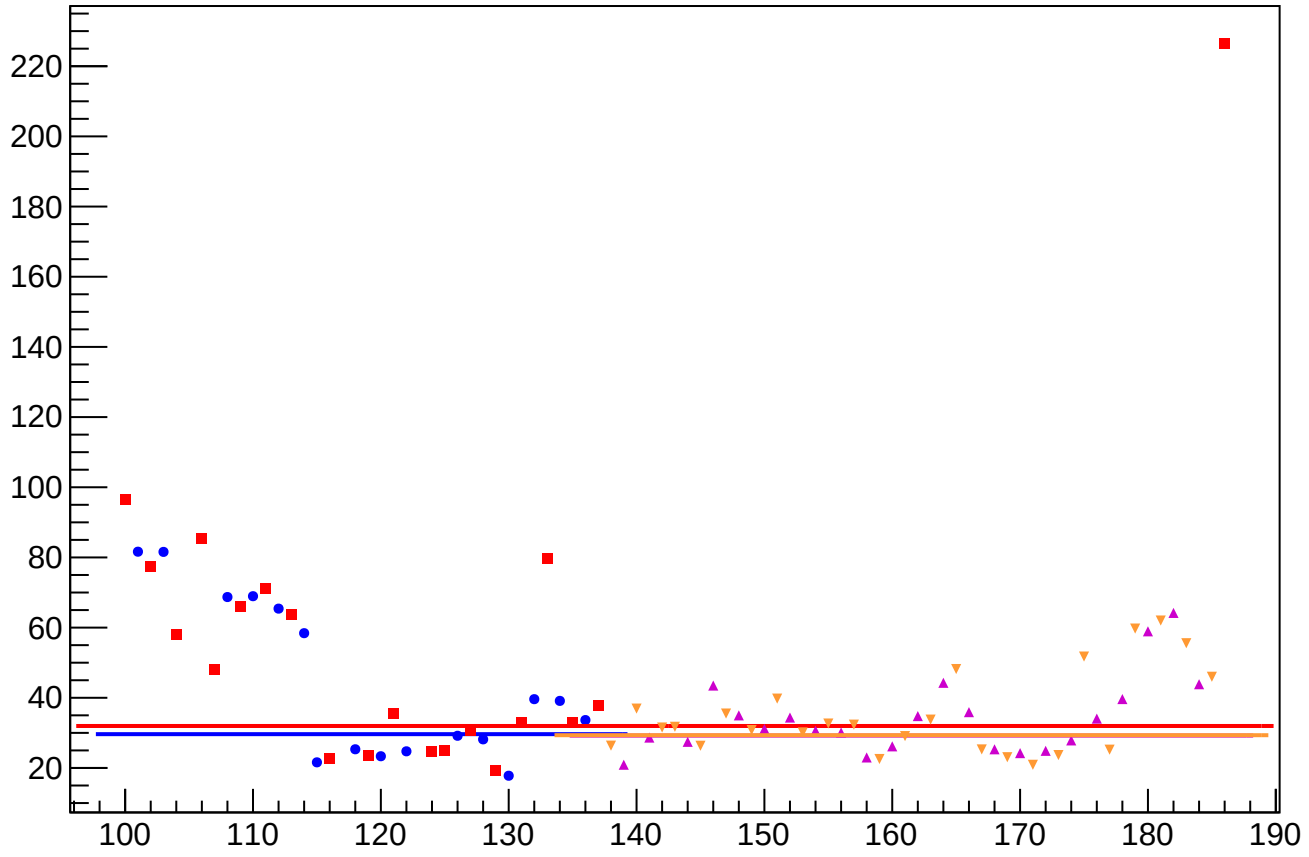
Right Out: 0.009+/-0.013 χ^2/NDF: 13.2/19

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.3/40

All: 0.002+/-0.004 χ^2/NDF: 93.5/83

- sign -0.003+/-0.006 χ^2/NDF: 45.2/42



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

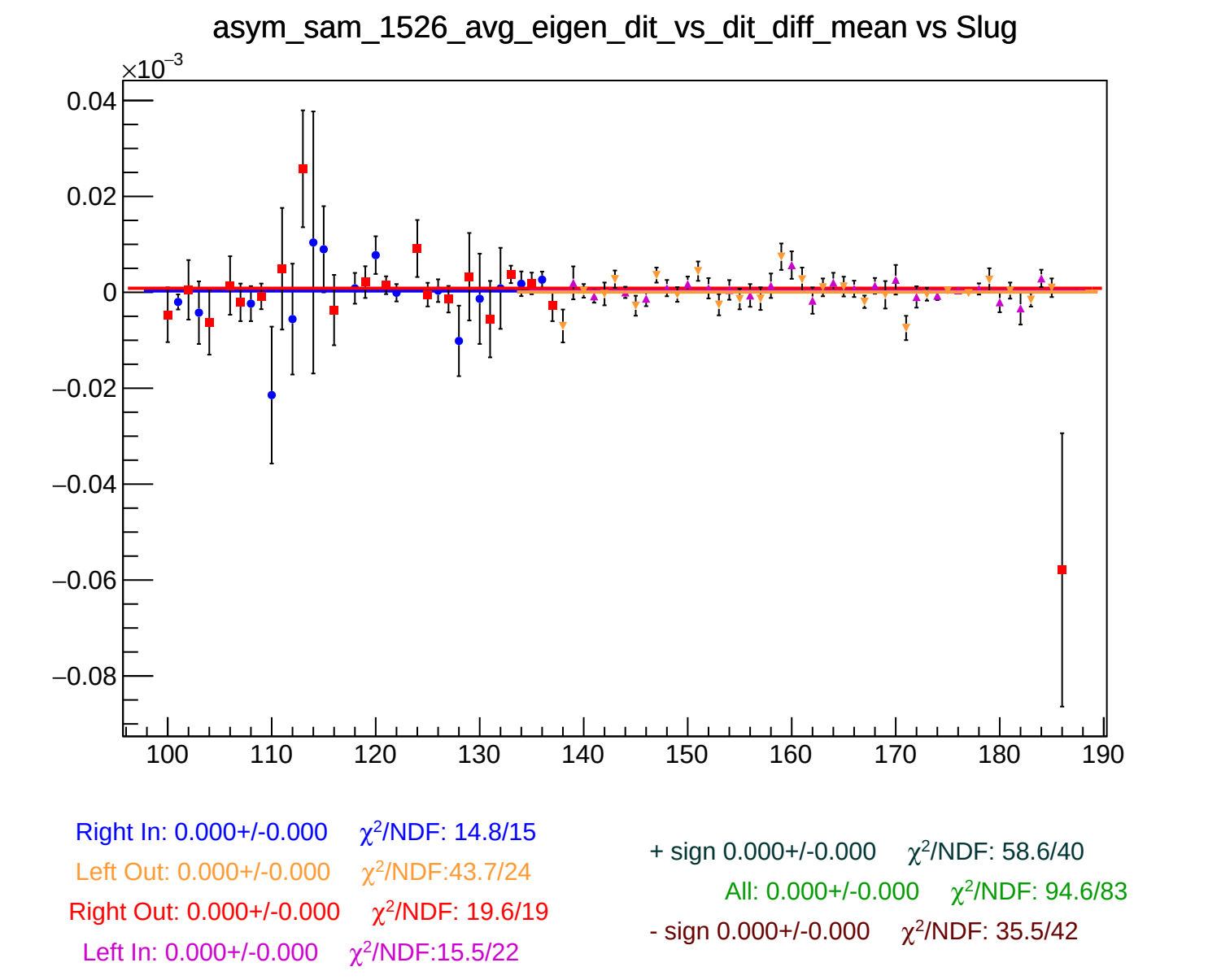
Right Out: 31.964+/-0.009 χ^2/NDF: 3211411.2/19

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

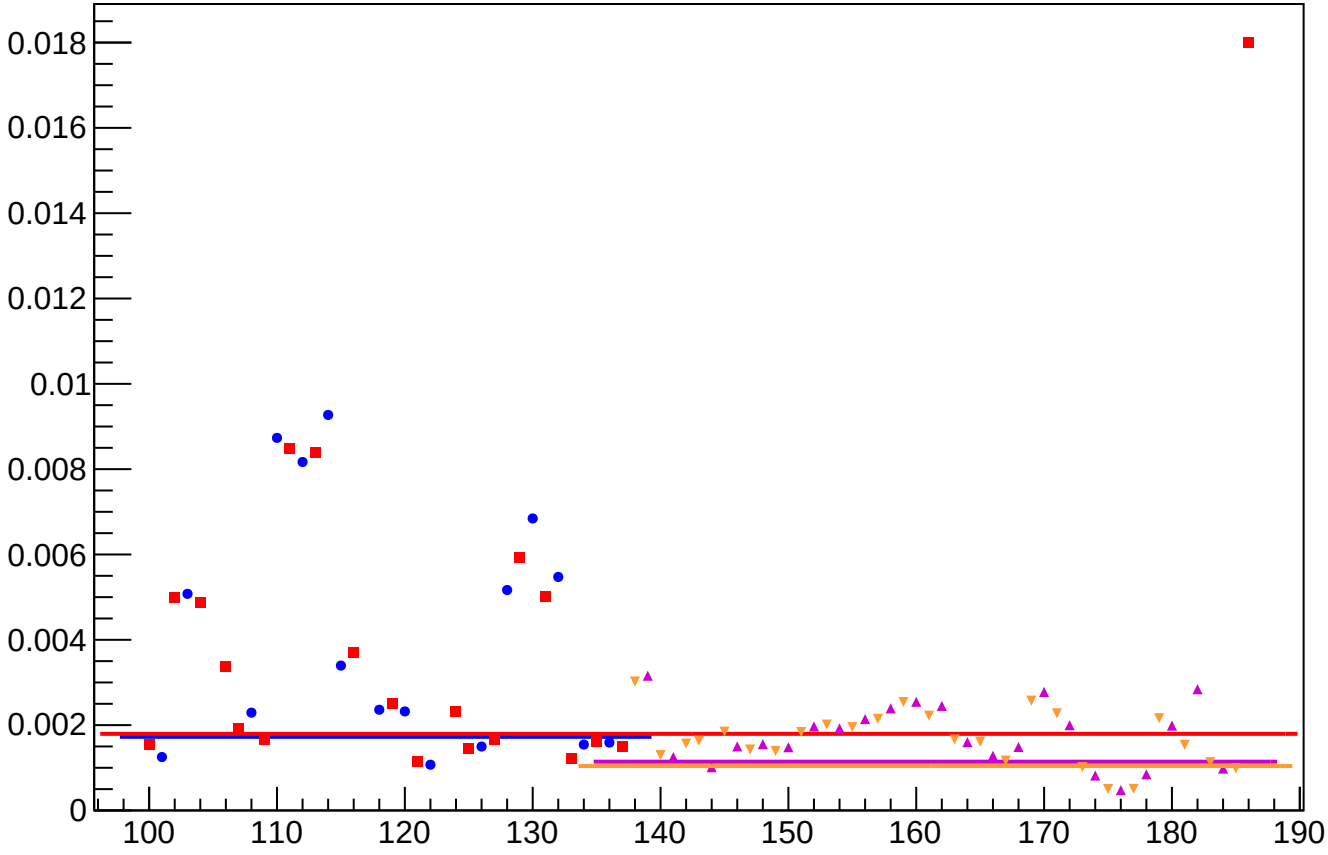
+ sign 29.410+/-0.004 χ^2/NDF: 5136475.1/40

All: 29.628+/-0.003 χ^2/NDF: 10516504.9/83

- sign 29.860+/-0.005 χ^2/NDF: 5374878.8/42


asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
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: 14.8/15
Left Out: 0.000+/-0.000 χ²/NDF:43.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.6/19
Left In: 0.000+/-0.000 χ²/NDF:15.5/22
+ sign 0.000+/-0.000 χ²/NDF: 58.6/40
All: 0.000+/-0.000 χ²/NDF: 94.6/83
- sign 0.000+/-0.000 χ²/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: 3932244.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

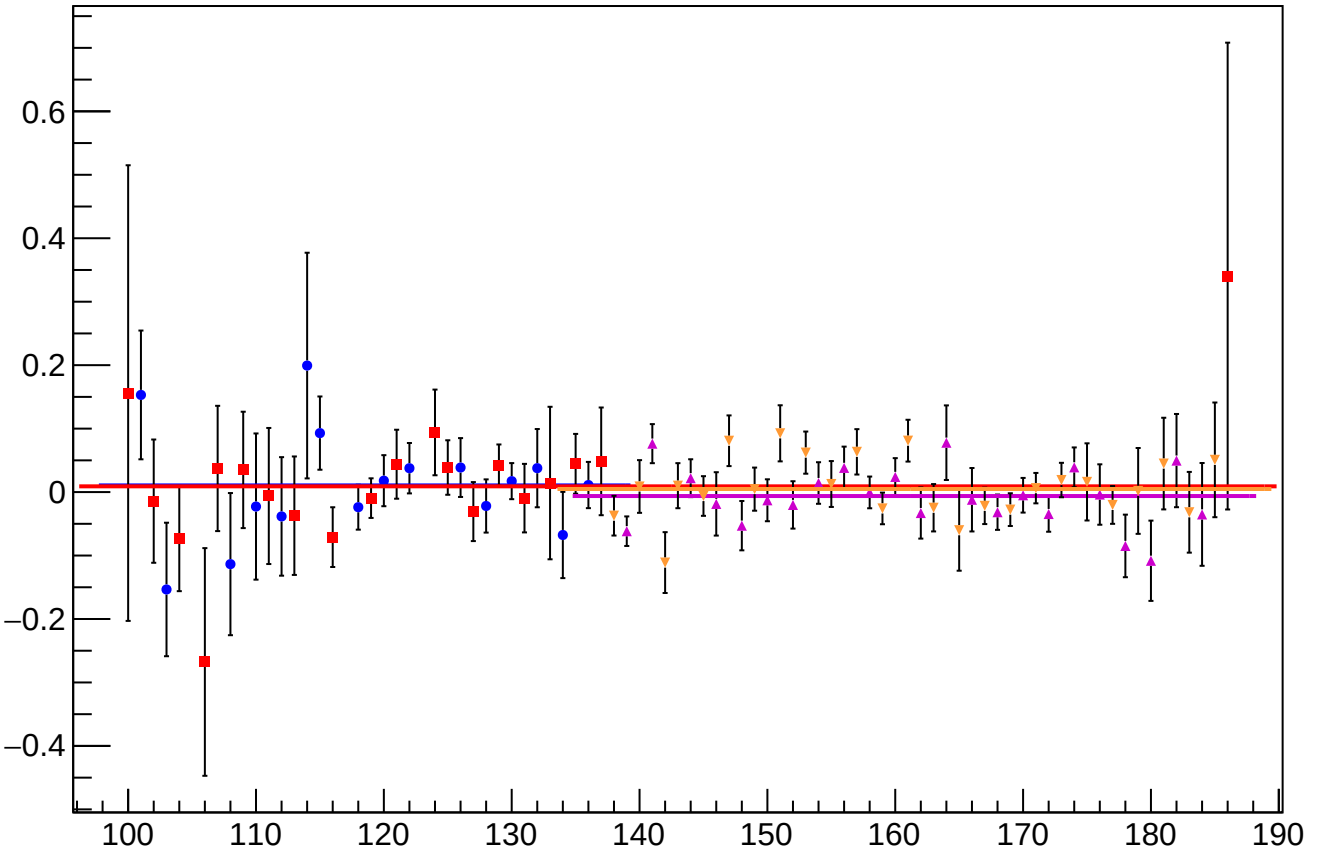
Right Out: 0.002+/-0.000 χ^2/NDF: 4366322.4/19

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 15183733.5/40

All: 0.001+/-0.000 χ^2/NDF: 29225047.2/83

- sign 0.001+/-0.000 χ^2/NDF: 13877928.1/42



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

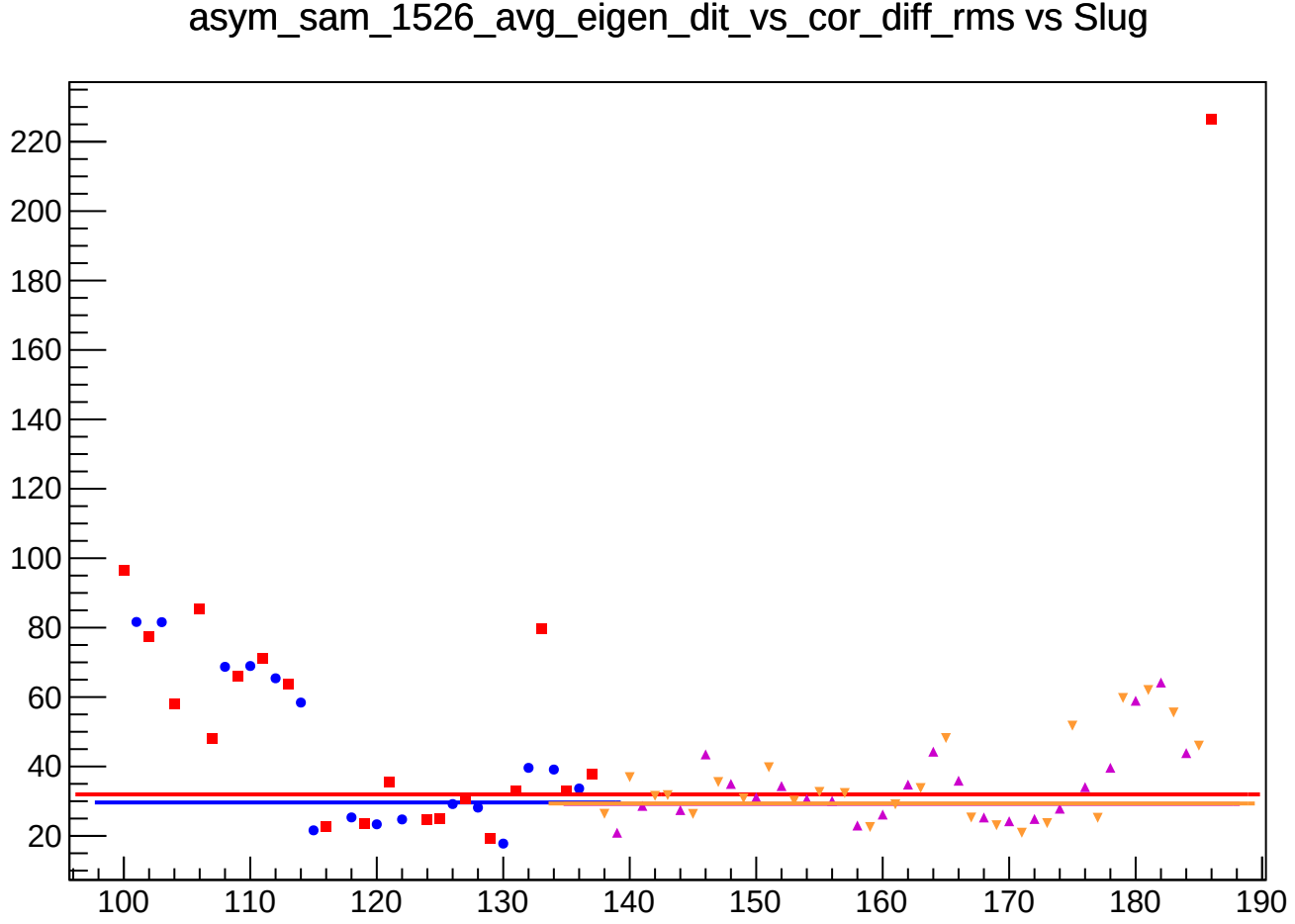
Right Out: 0.009+/-0.013 χ^2/NDF: 13.2/19

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.3/40

All: 0.002+/-0.004 χ^2/NDF: 93.5/83

- sign -0.003+/-0.006 χ^2/NDF: 45.2/42



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

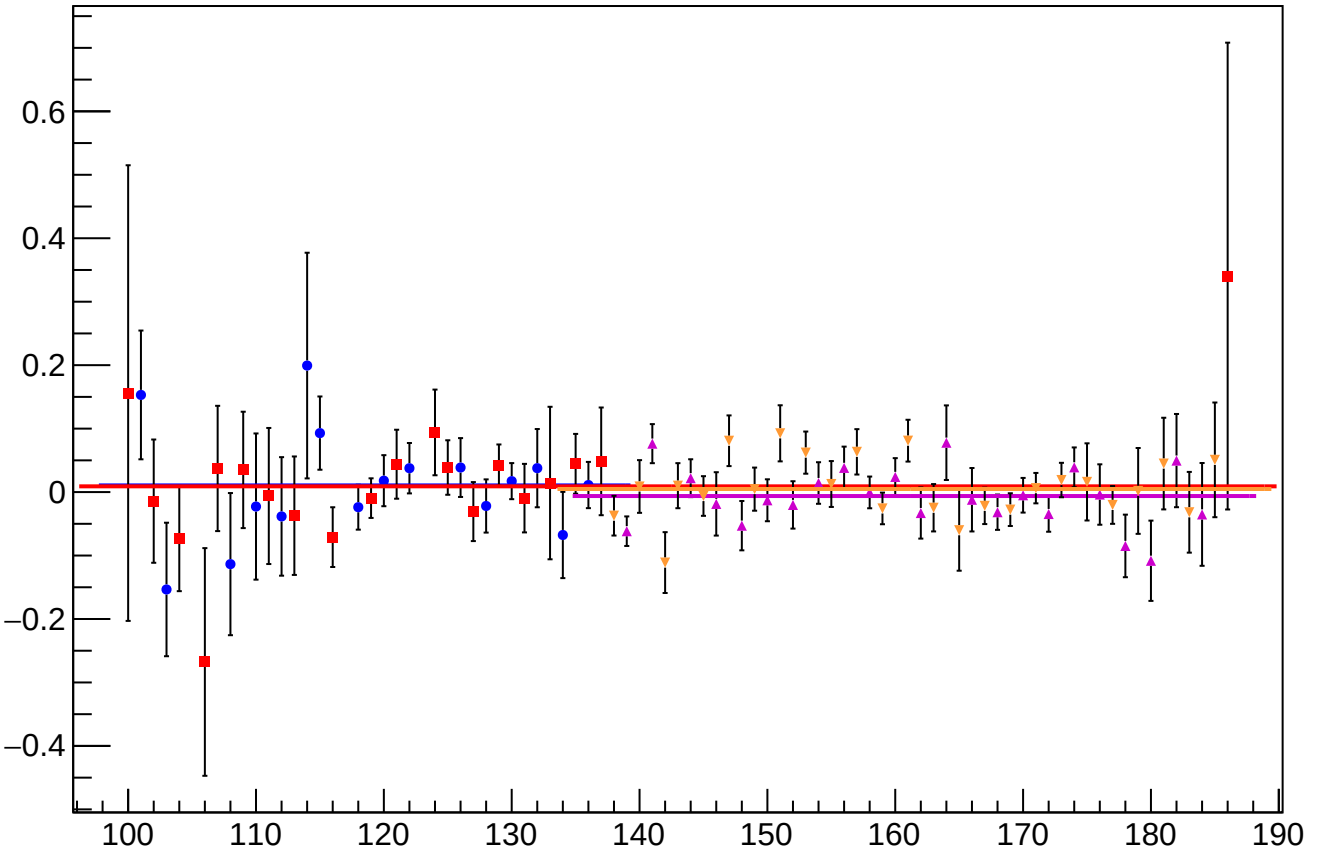
Right Out: 31.963+/-0.009 χ^2/NDF: 3211588.5/19

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

\+ sign 29.409+/-0.004 χ^2/NDF: 5136710.7/40

All: 29.628+/-0.003 χ^2/NDF: 10516808.3/83

\- sign 29.860+/-0.005 χ^2/NDF: 5374941.7/42



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

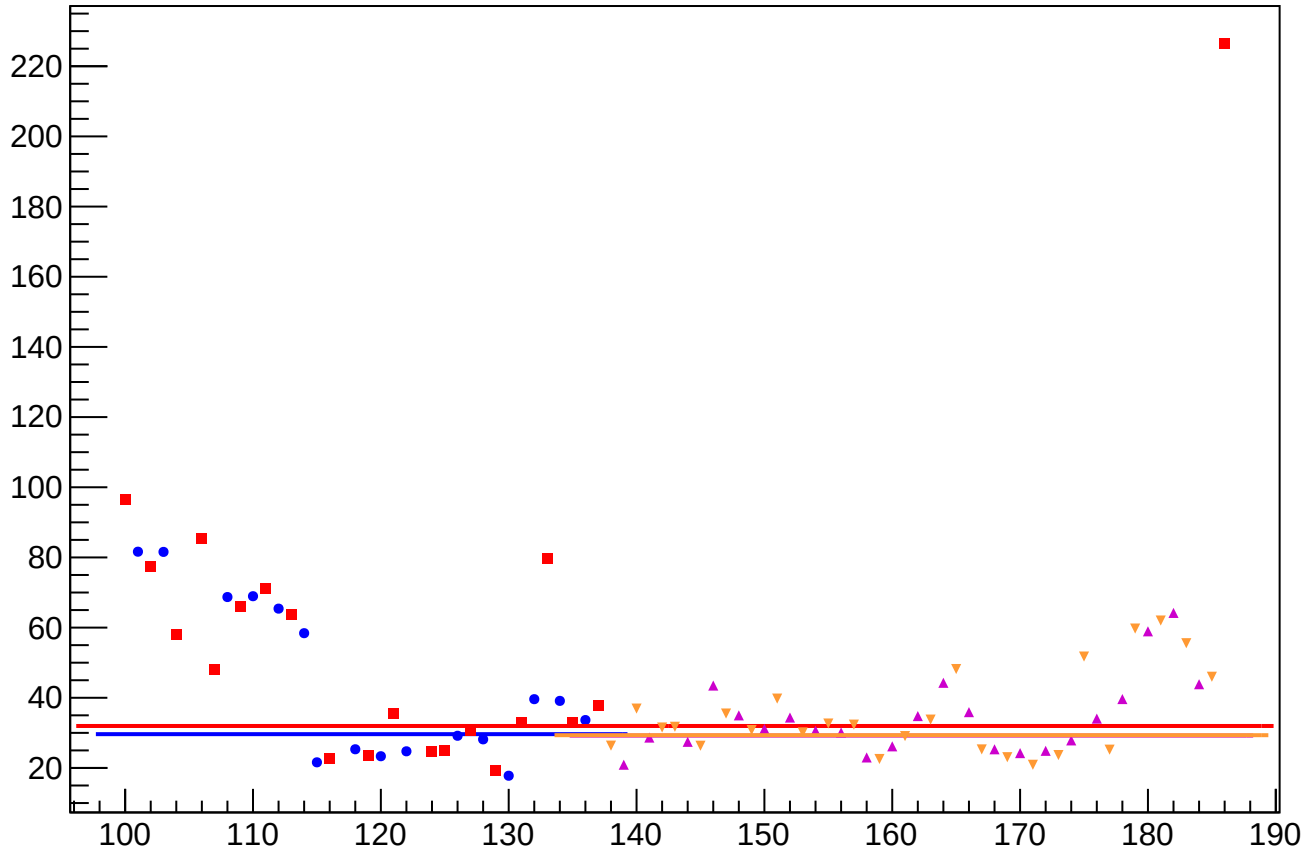
Right Out: 0.009+/-0.013 χ^2/NDF: 13.2/19

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.3/40

All: 0.002+/-0.004 χ^2/NDF: 93.5/83

- sign -0.003+/-0.006 χ^2/NDF: 45.2/42



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

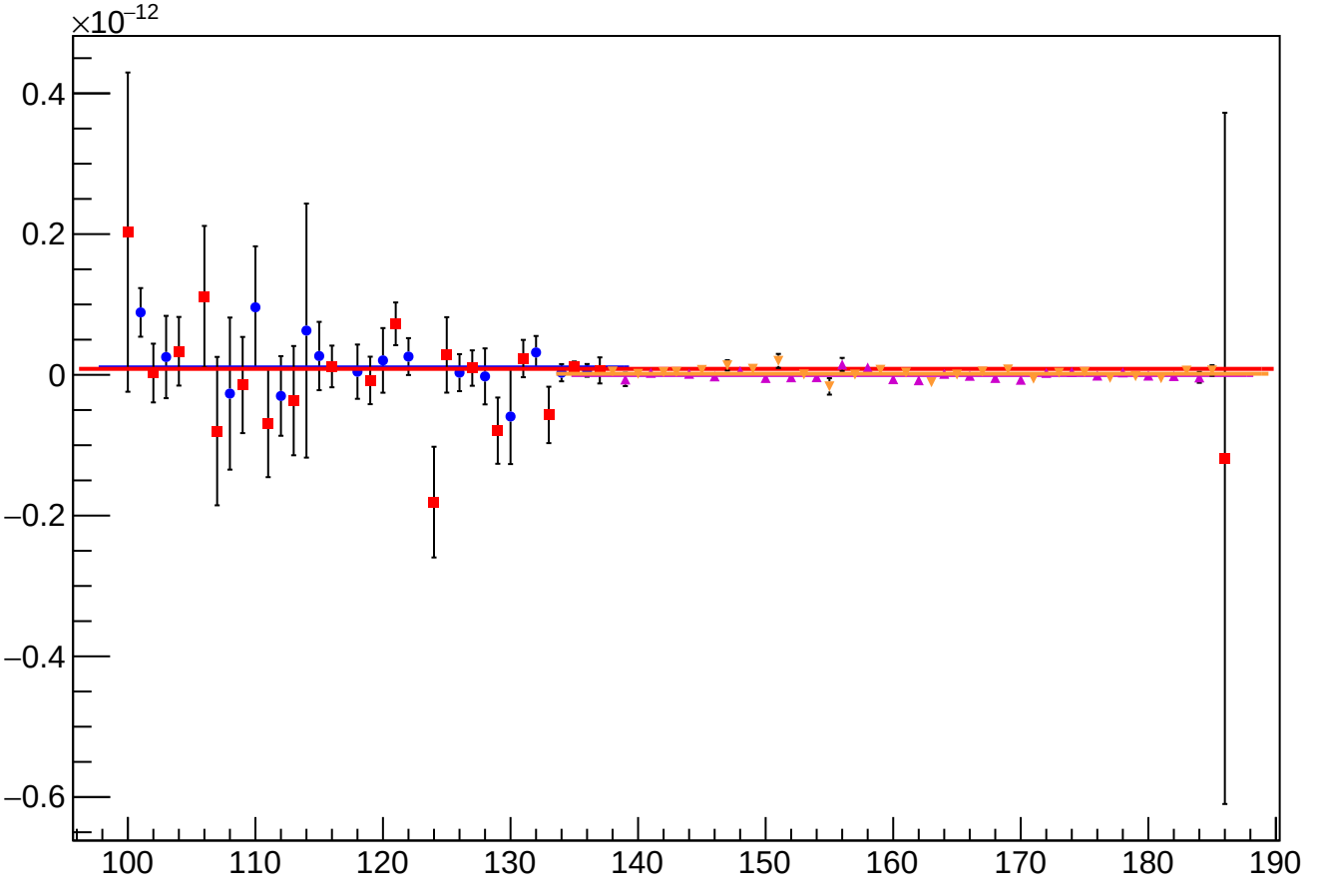
Right Out: 31.963+/-0.009 χ^2/NDF: 3211588.5/19

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.409+/-0.004 χ^2/NDF: 5136710.7/40

All: 29.628+/-0.003 χ^2/NDF: 10516808.3/83

- sign 29.860+/-0.005 χ^2/NDF: 5374941.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

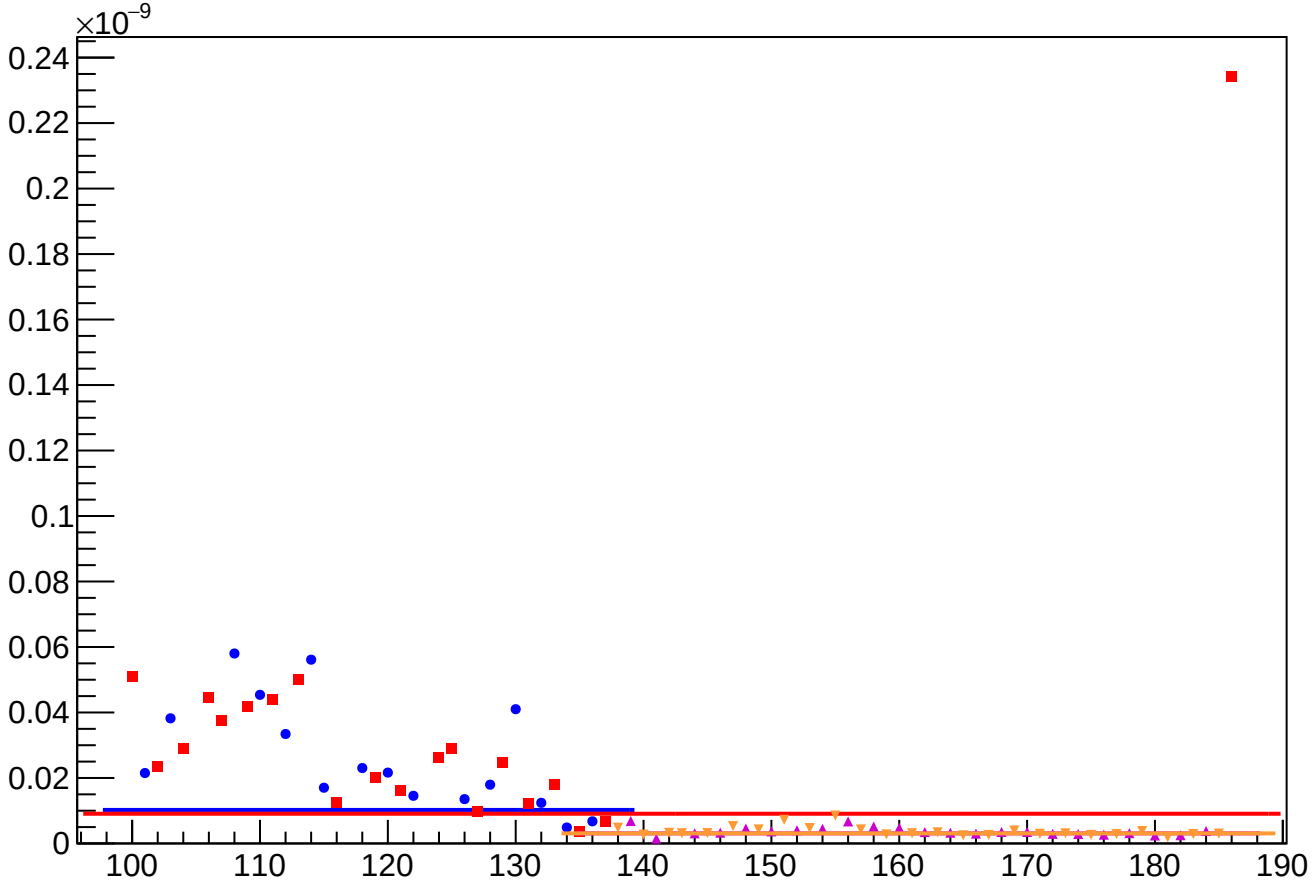
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/19

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.2/40

All: 0.000+/-0.000 χ^2/NDF: 91.2/83

- sign 0.000+/-0.000 χ^2/NDF: 42.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4934960.3/19

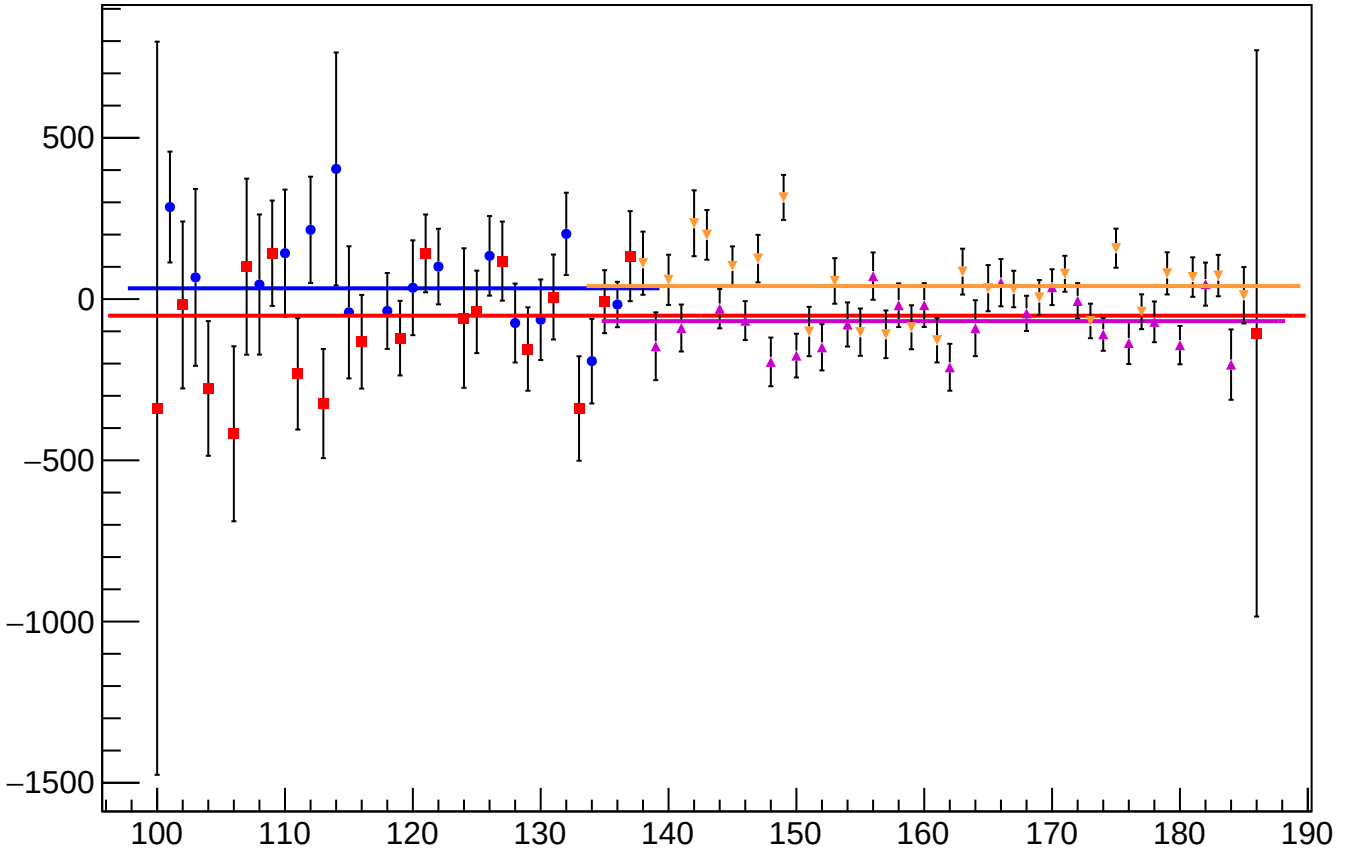
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8323795.7/40

All: 0.000+/-0.000 χ^2/NDF: 17404796.2/83

- sign 0.000+/-0.000 χ^2/NDF: 9080842.7/42

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -51.422+/-34.824 χ^2/NDF: 19.6/19

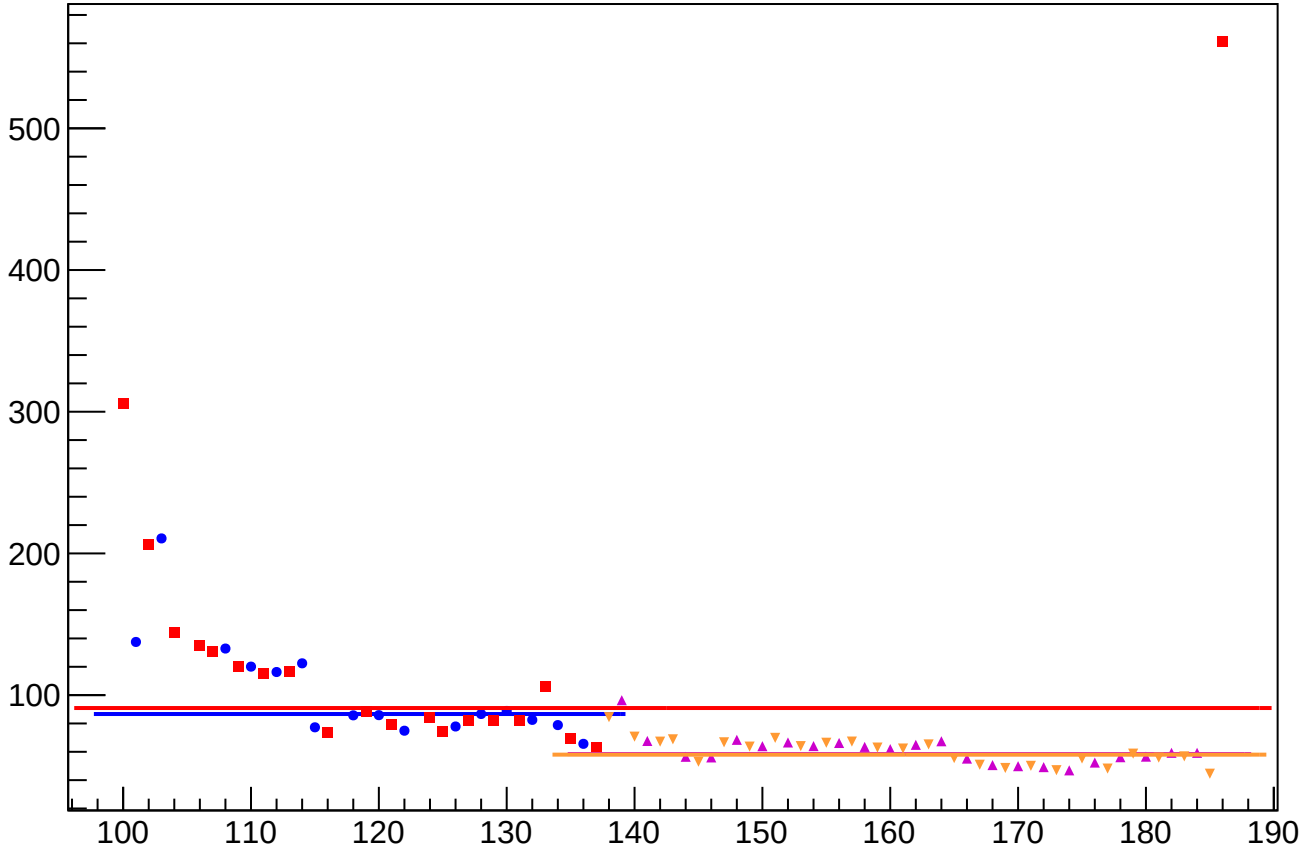
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 39.407+/-12.462 χ^2/NDF: 72.3/40

All: -11.563+/-8.957 χ^2/NDF: 158.4/83

- sign -66.028+/-12.882 χ^2/NDF: 51.5/42

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

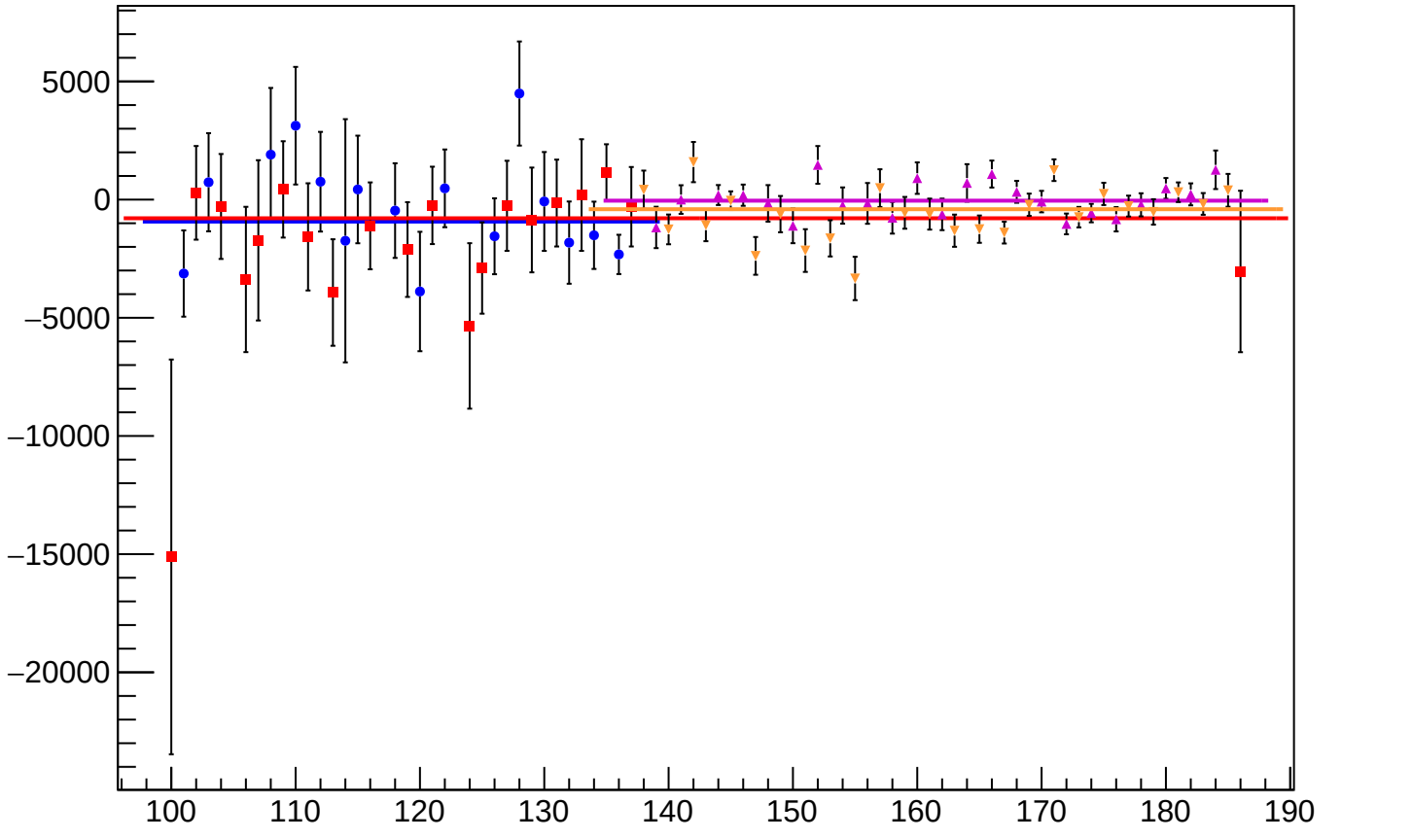
Right Out: 90.894+/-0.025 χ^2/NDF: 1724761.2/19

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 61.875+/-0.009 χ^2/NDF: 3084875.8/40

All: 62.343+/-0.006 χ^2/NDF: 7054045.4/83

- sign 62.844+/-0.009 χ^2/NDF: 3963319.7/42



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -789.453+/-463.572 χ^2/NDF: 13.4/19

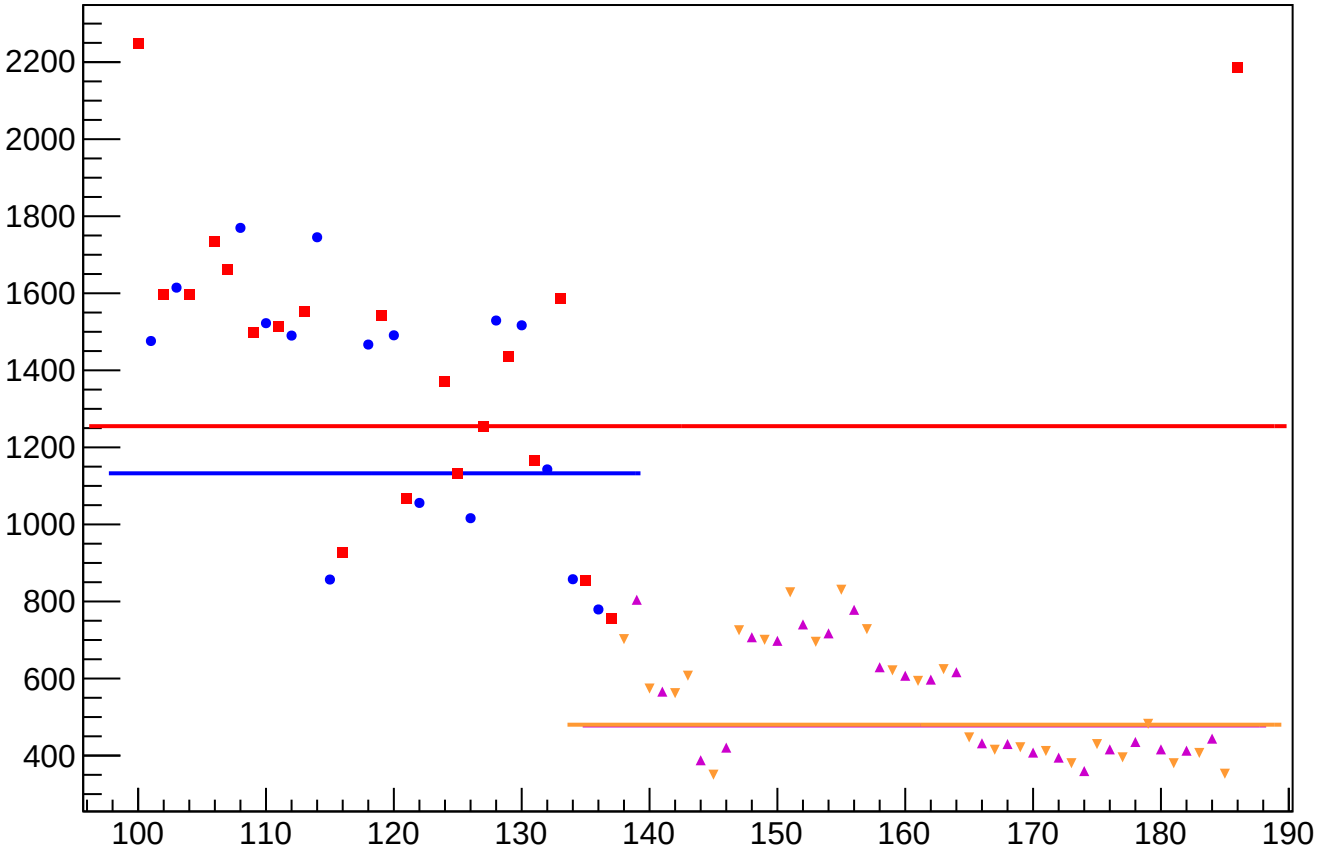
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -438.841+/-109.887 χ^2/NDF: 83.1/40

All: -267.520+/-78.546 χ^2/NDF: 134.9/83

- sign -88.542+/-112.316 χ^2/NDF: 46.9/42

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1255.069+/-0.328 χ^2/NDF: 1046773.2/19

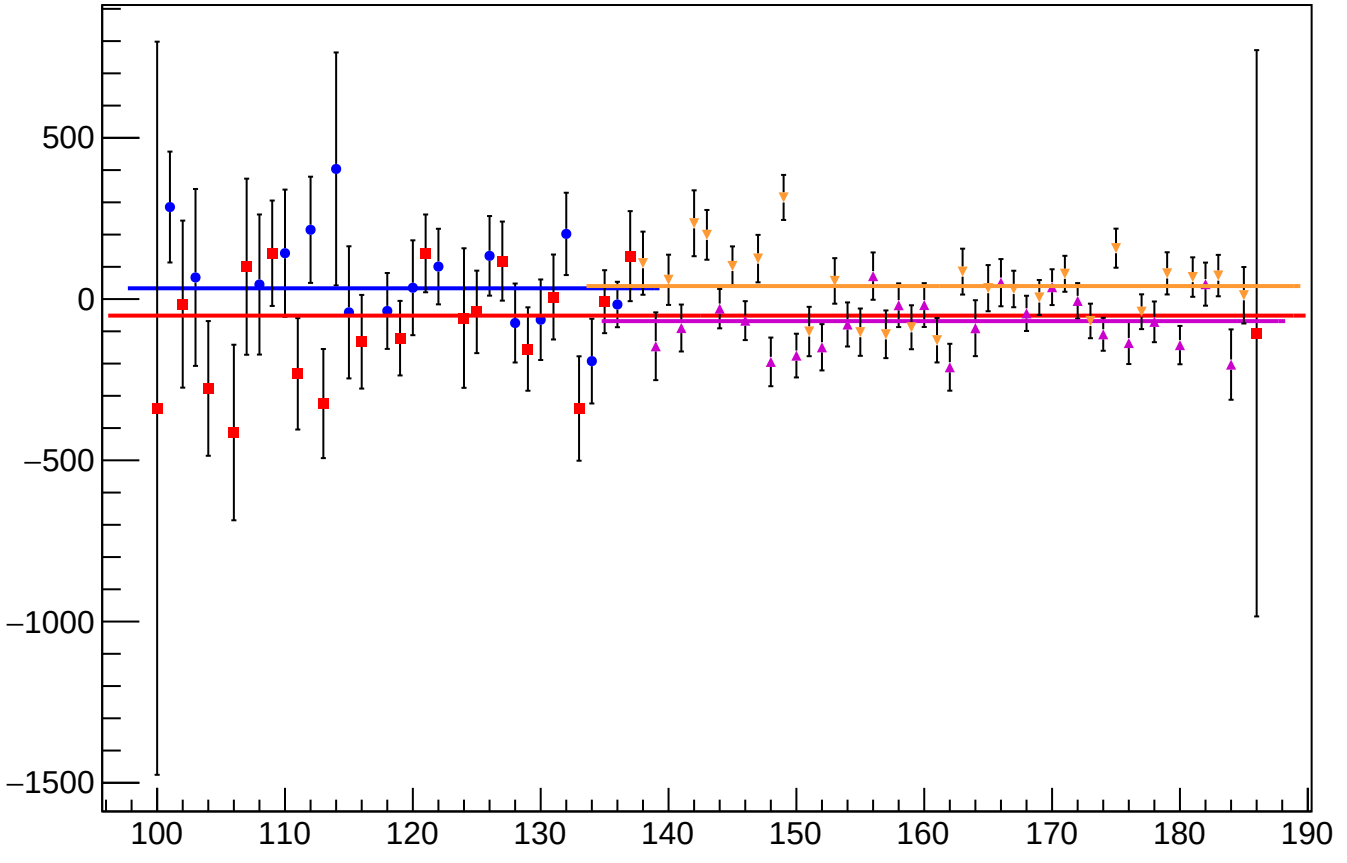
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 520.696+/-0.078 χ^2/NDF: 7815090.5/40

All: 522.162+/-0.056 χ^2/NDF: 16366812.8/83

- sign 523.694+/-0.079 χ^2/NDF: 8550994.5/42

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -51.274+/-34.826 χ^2/NDF: 19.5/19

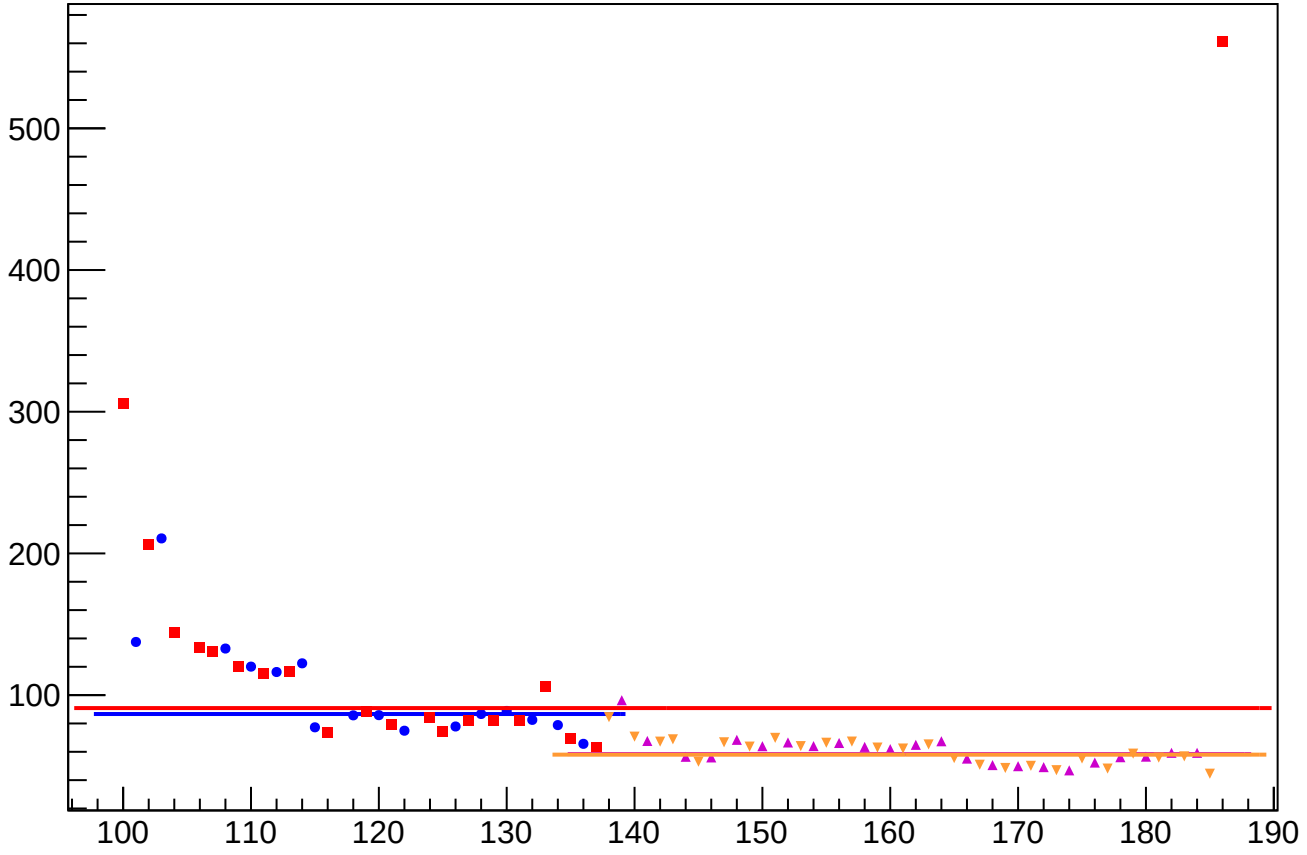
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 39.408+/-12.462 χ^2/NDF: 72.3/40

All: -11.552+/-8.957 χ^2/NDF: 158.3/83

- sign -66.007+/-12.883 χ^2/NDF: 51.5/42

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

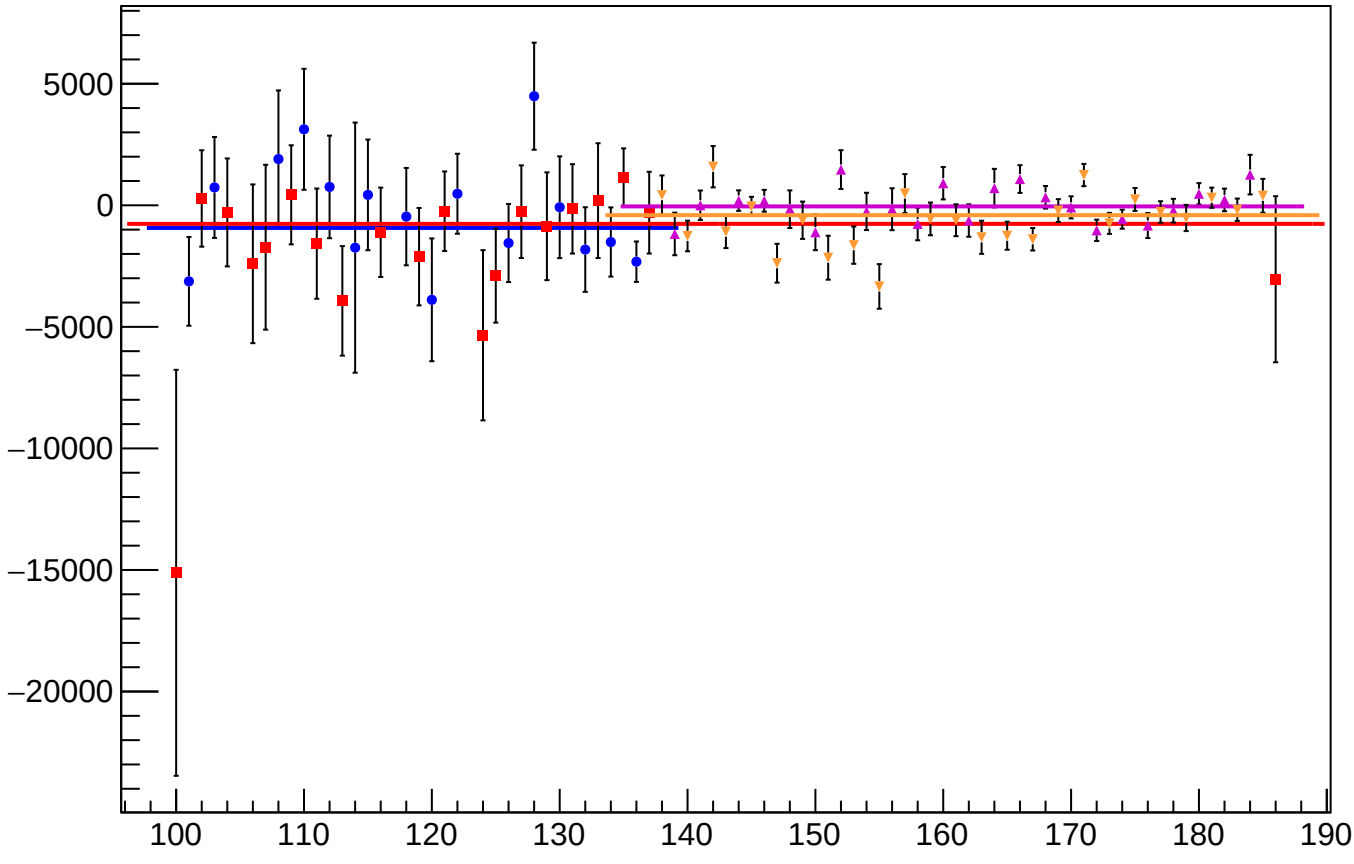
Right Out: 90.857+/-0.025 χ^2/NDF: 1720157.8/19

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 61.875+/-0.009 χ^2/NDF: 3084878.0/40

All: 62.341+/-0.006 χ^2/NDF: 7045804.3/83

- sign 62.839+/-0.009 χ^2/NDF: 3955143.0/42



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -763.455+/-464.192 χ^2/NDF: 13.0/19

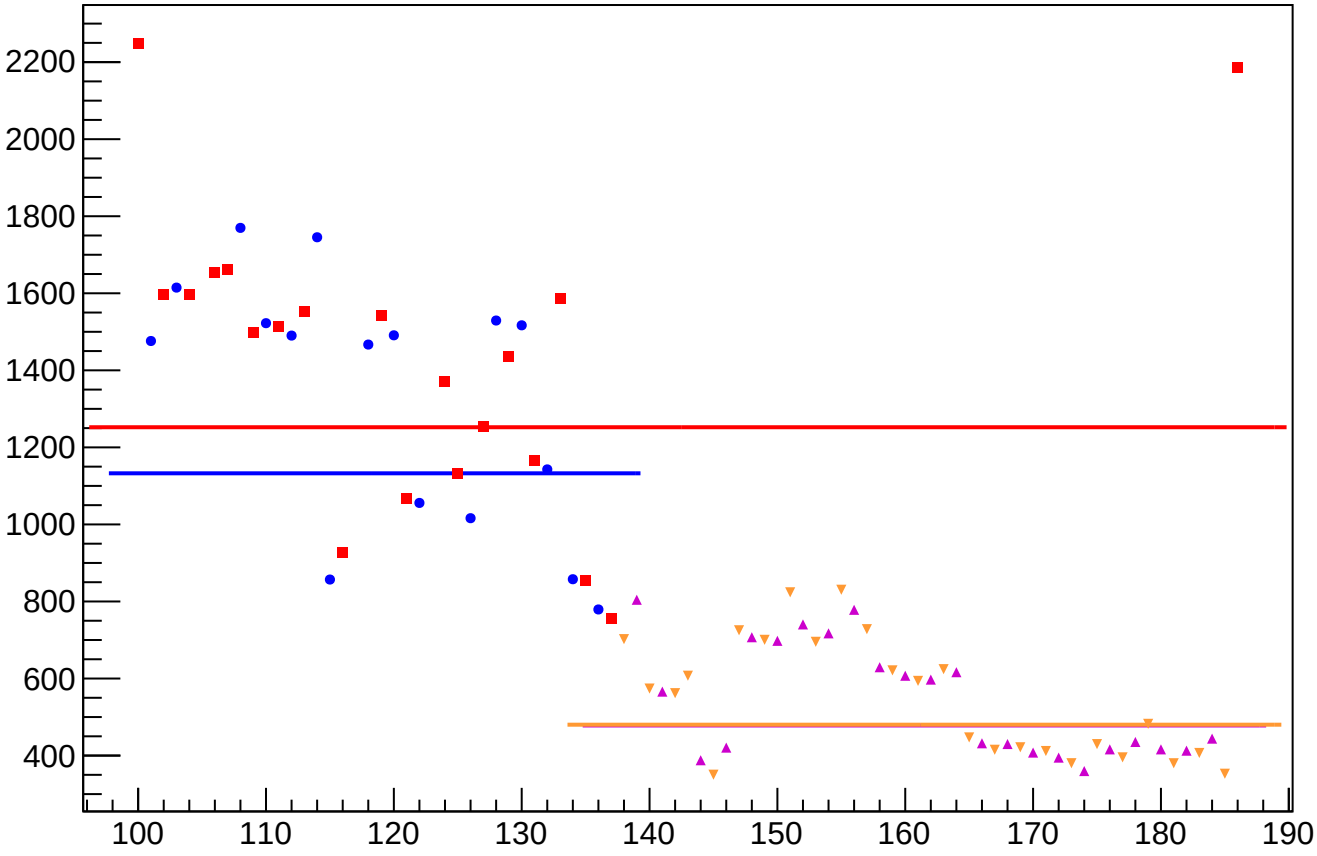
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -438.837+/-109.887 χ^2/NDF: 83.1/40

All: -266.733+/-78.549 χ^2/NDF: 134.3/83

- sign -86.908+/-112.325 χ^2/NDF: 46.3/42

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1252.287+/-0.328 χ^2/NDF: 1028644.5/19

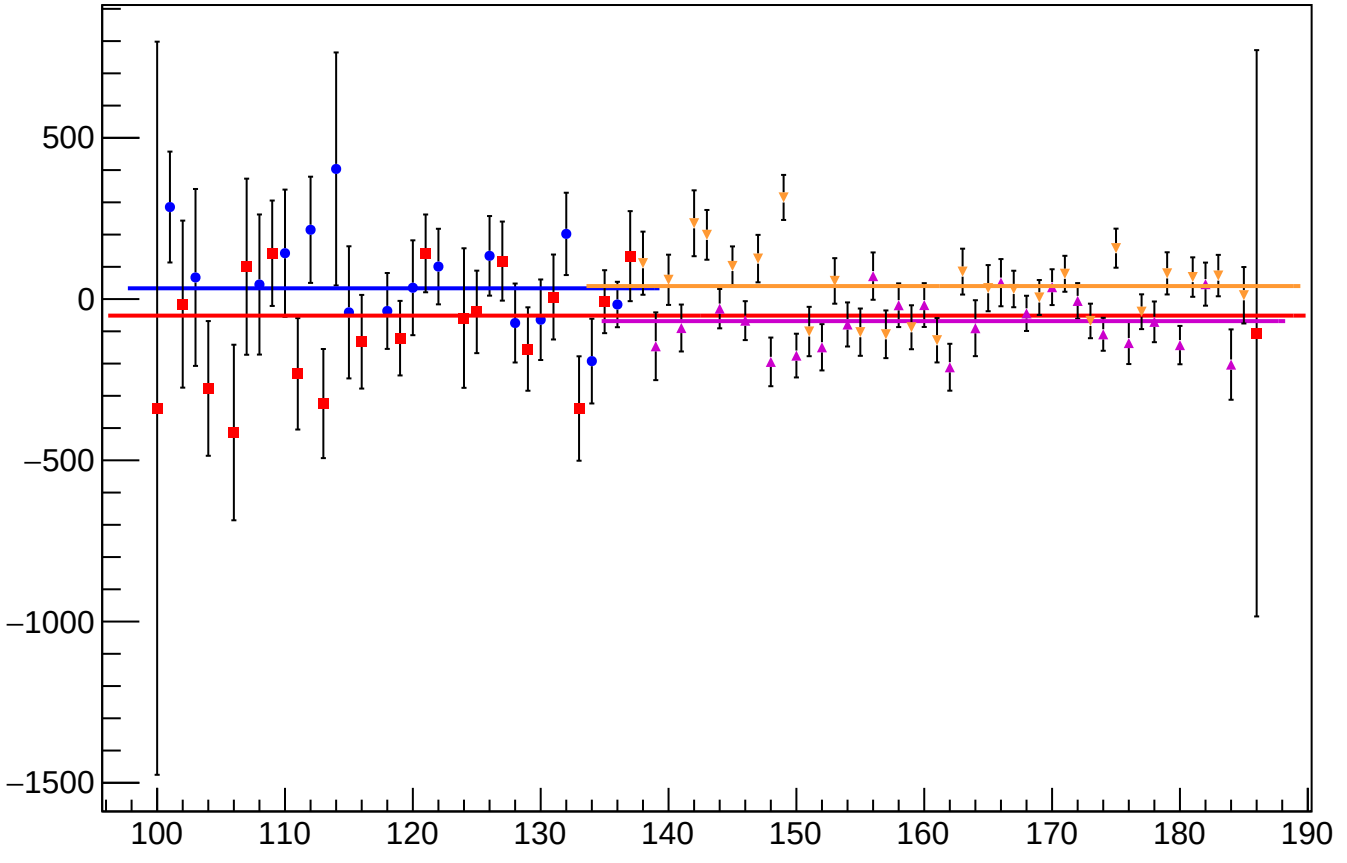
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 520.696+/-0.078 χ^2/NDF: 7815116.7/40

All: 522.026+/-0.056 χ^2/NDF: 16297572.7/83

- sign 523.416+/-0.079 χ^2/NDF: 8481856.7/42

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -51.274+/-34.826 χ^2/NDF: 19.5/19

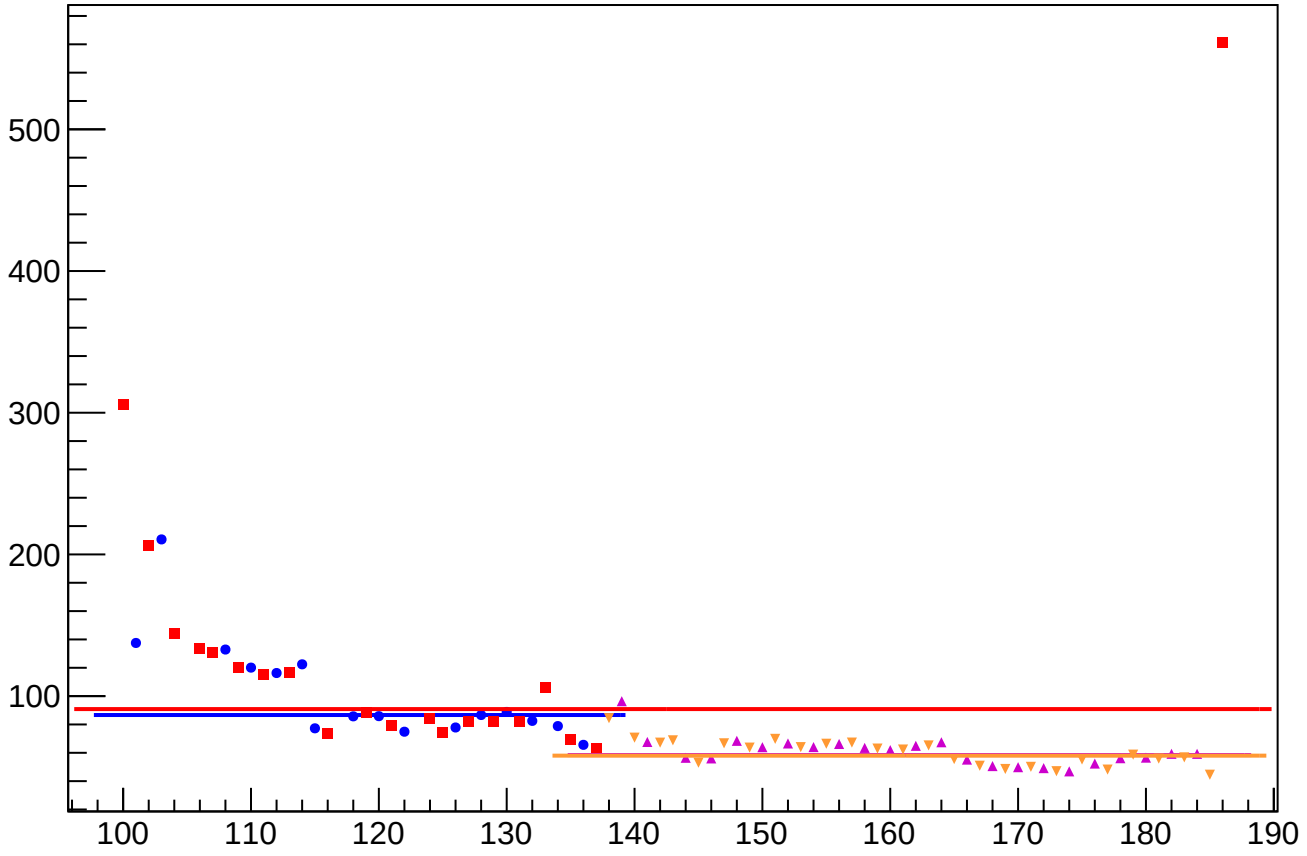
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 39.408+/-12.462 χ^2/NDF: 72.3/40

All: -11.552+/-8.957 χ^2/NDF: 158.3/83

- sign -66.007+/-12.883 χ^2/NDF: 51.5/42

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

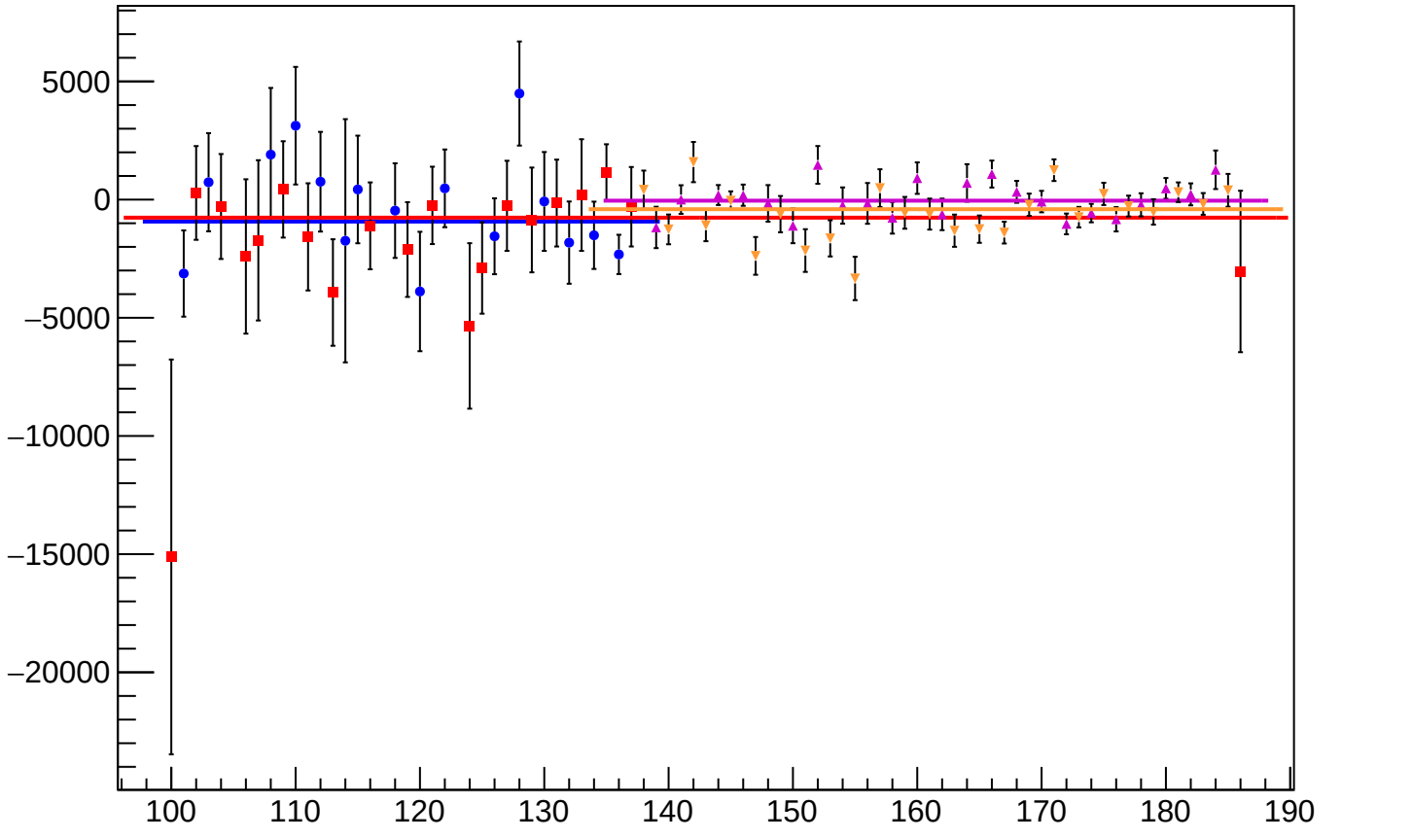
Right Out: 90.857+/-0.025 χ^2/NDF: 1720157.8/19

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 61.875+/-0.009 χ^2/NDF: 3084878.0/40

All: 62.341+/-0.006 χ^2/NDF: 7045804.3/83

- sign 62.839+/-0.009 χ^2/NDF: 3955143.0/42



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

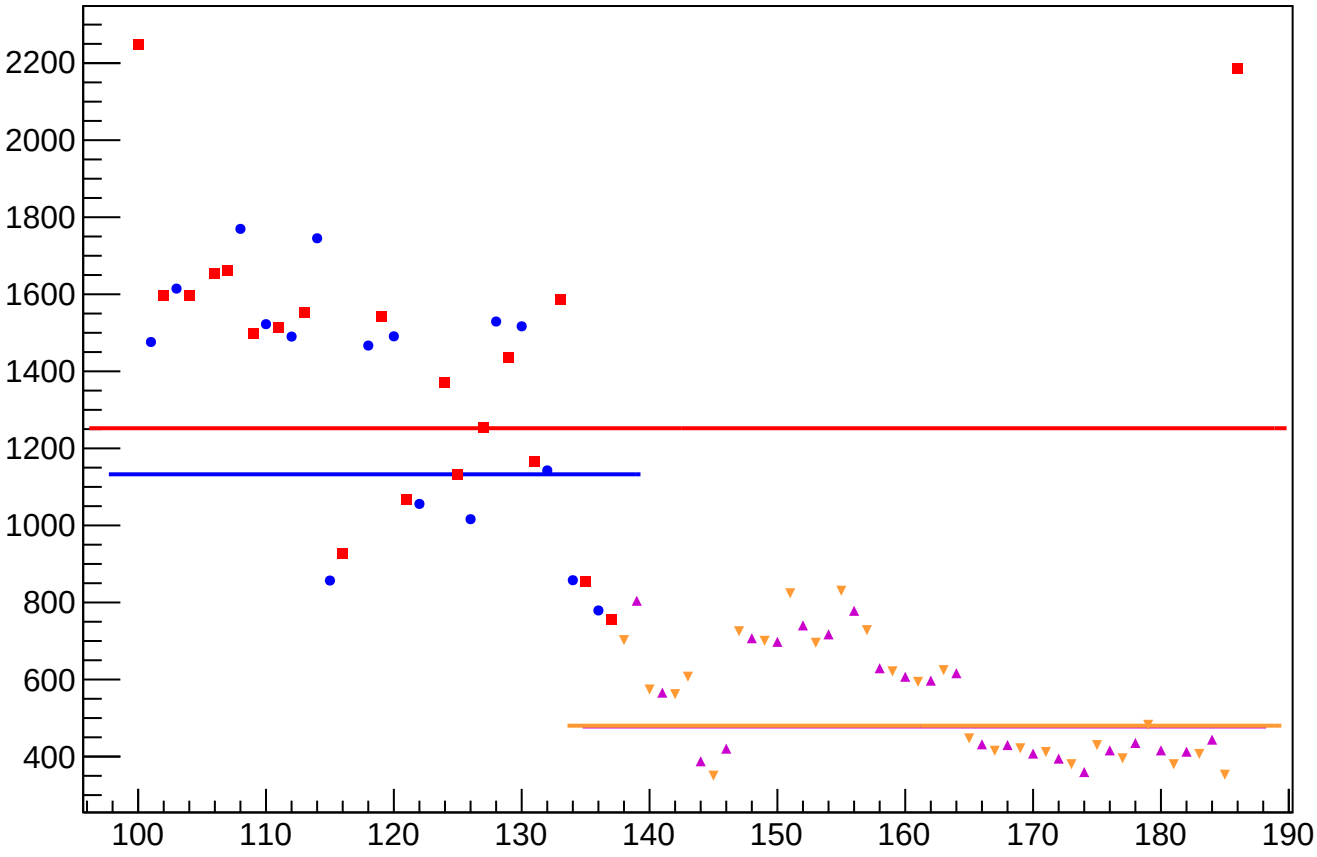
Right Out: -763.455+/-464.192 χ^2/NDF: 13.0/19

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -438.837+/-109.887 χ^2/NDF: 83.1/40

All: -266.733+/-78.549 χ^2/NDF: 134.3/83

- sign -86.908+/-112.325 χ^2/NDF: 46.3/42



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1252.287+/-0.328 χ^2/NDF: 1028644.5/19

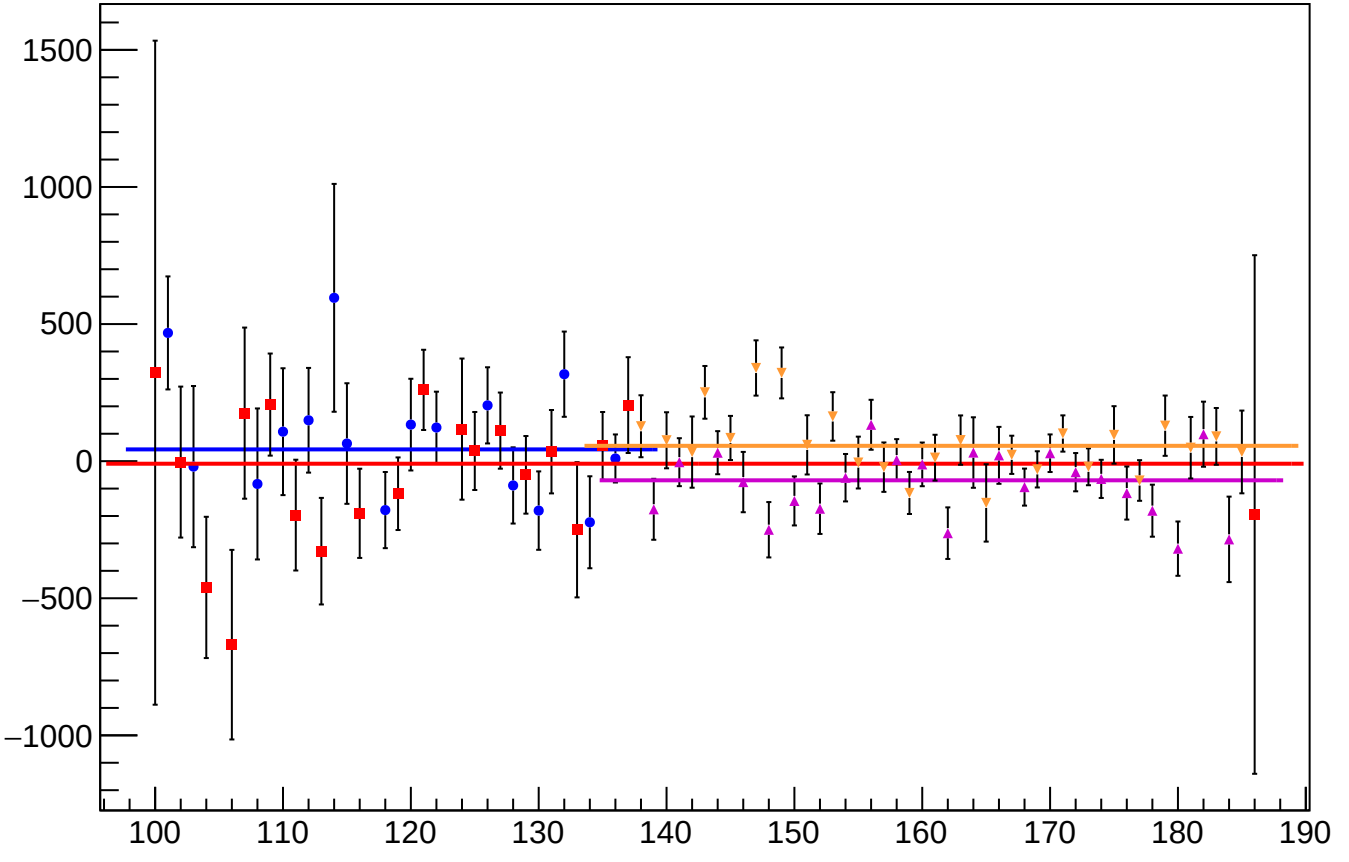
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 520.696+/-0.078 χ^2/NDF: 7815116.7/40

All: 522.026+/-0.056 χ^2/NDF: 16297572.7/83

- sign 523.416+/-0.079 χ^2/NDF: 8481856.7/42

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -9.338+/-41.021 χ^2/NDF: 21.4/19

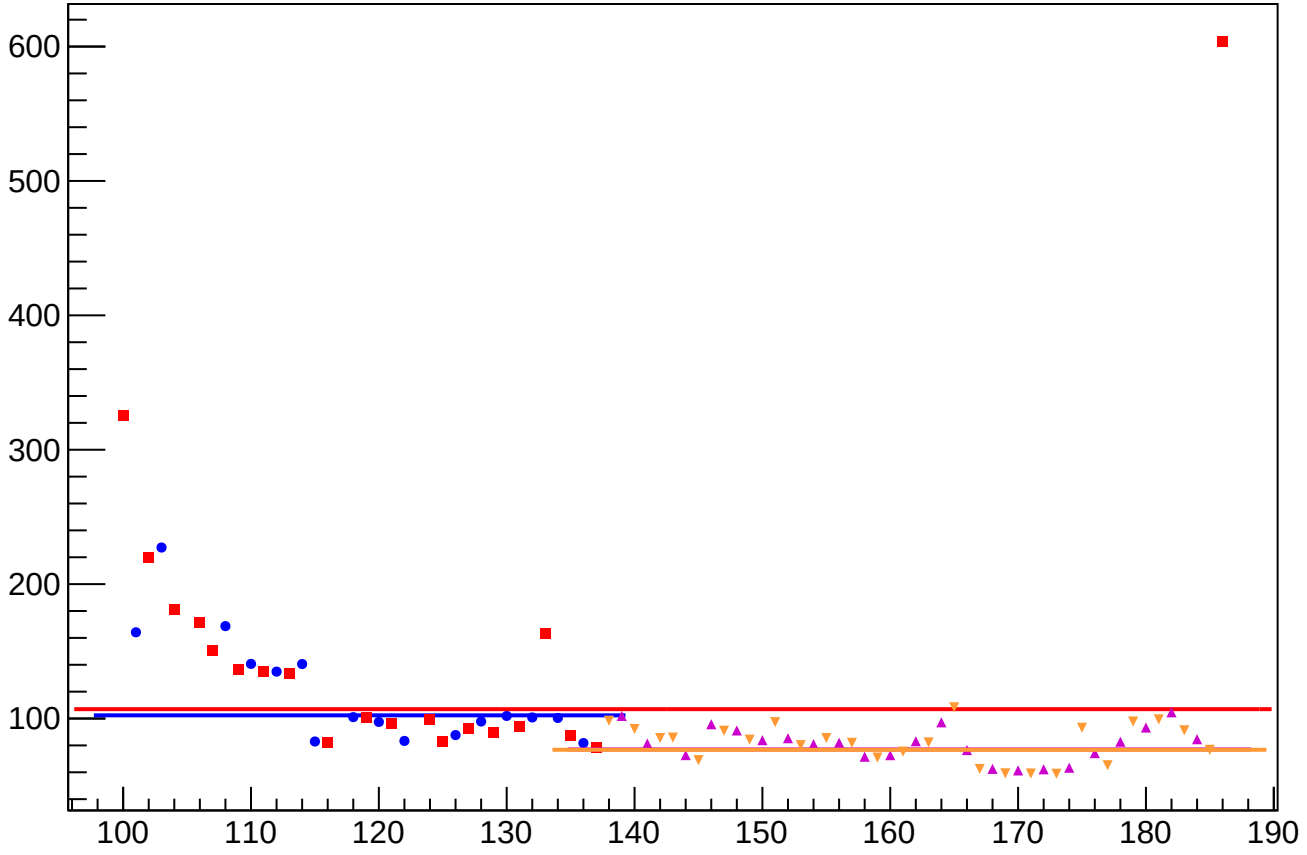
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 53.759+/-16.372 χ^2/NDF: 58.7/40

All: -1.262+/-11.746 χ^2/NDF: 139.7/83

- sign -59.620+/-16.862 χ^2/NDF: 57.7/42

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

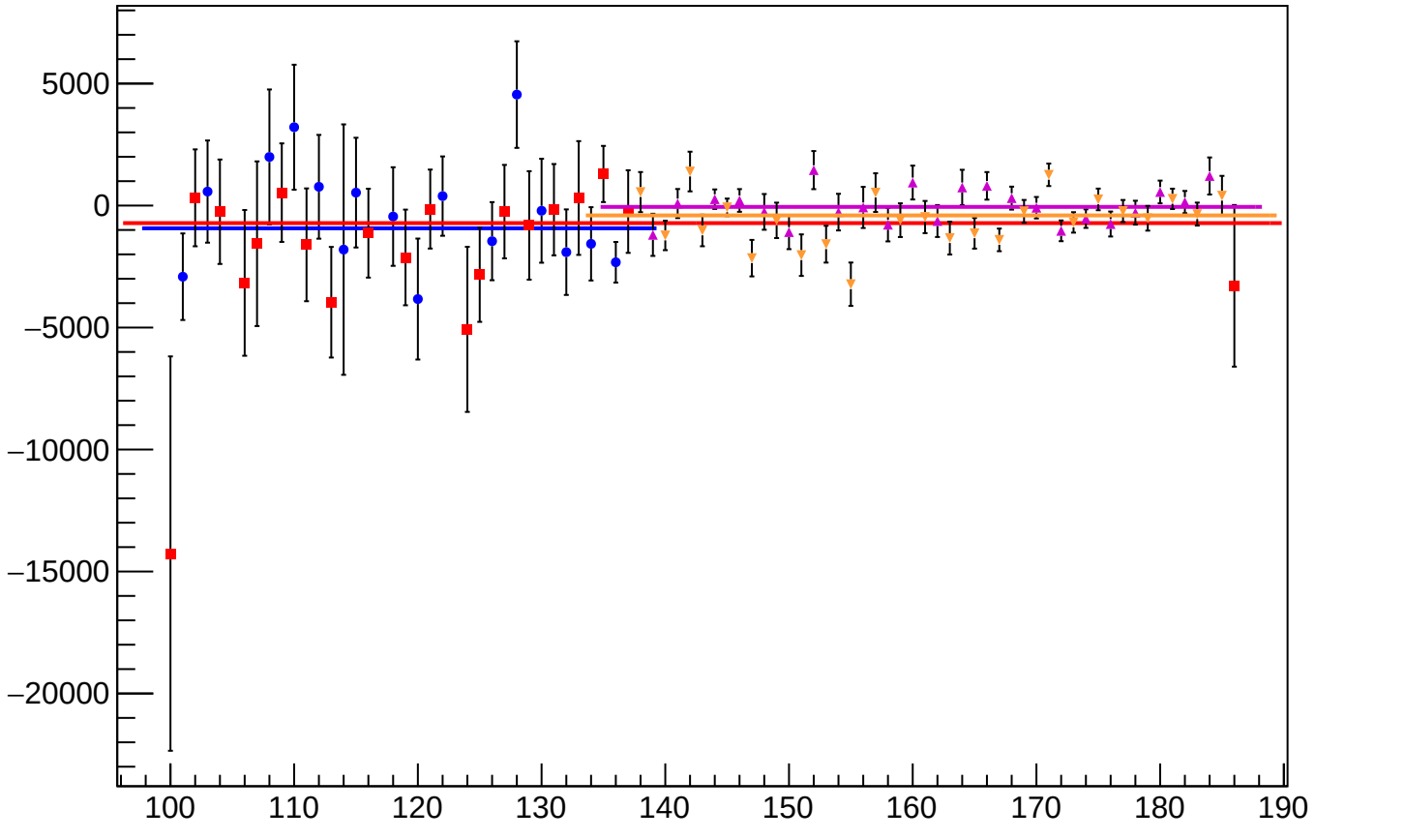
Right Out: 106.969+/-0.029 χ^2/NDF: 1744122.7/19

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 81.050+/-0.012 χ^2/NDF: 2902172.1/40

All: 81.549+/-0.008 χ^2/NDF: 6395039.7/83

- sign 82.079+/-0.012 χ^2/NDF: 3489034.8/42



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -718.801+/-458.749 χ^2/NDF: 14.1/19

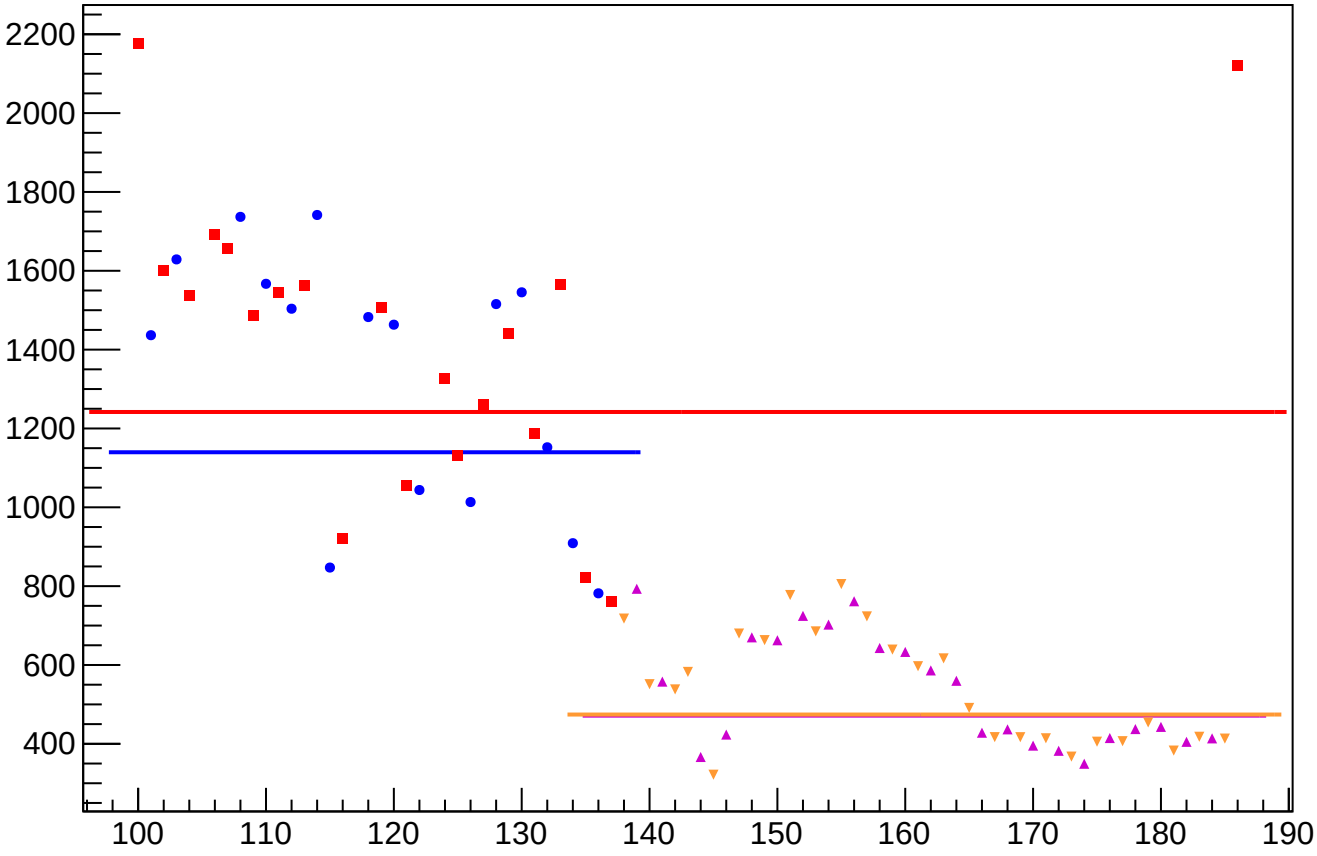
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -435.073+/-108.373 χ^2/NDF: 80.6/40

All: -267.880+/-77.488 χ^2/NDF: 132.2/83

- sign -92.989+/-110.839 χ^2/NDF: 46.7/42

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1241.823+/-0.324 χ^2/NDF: 1065919.5/19

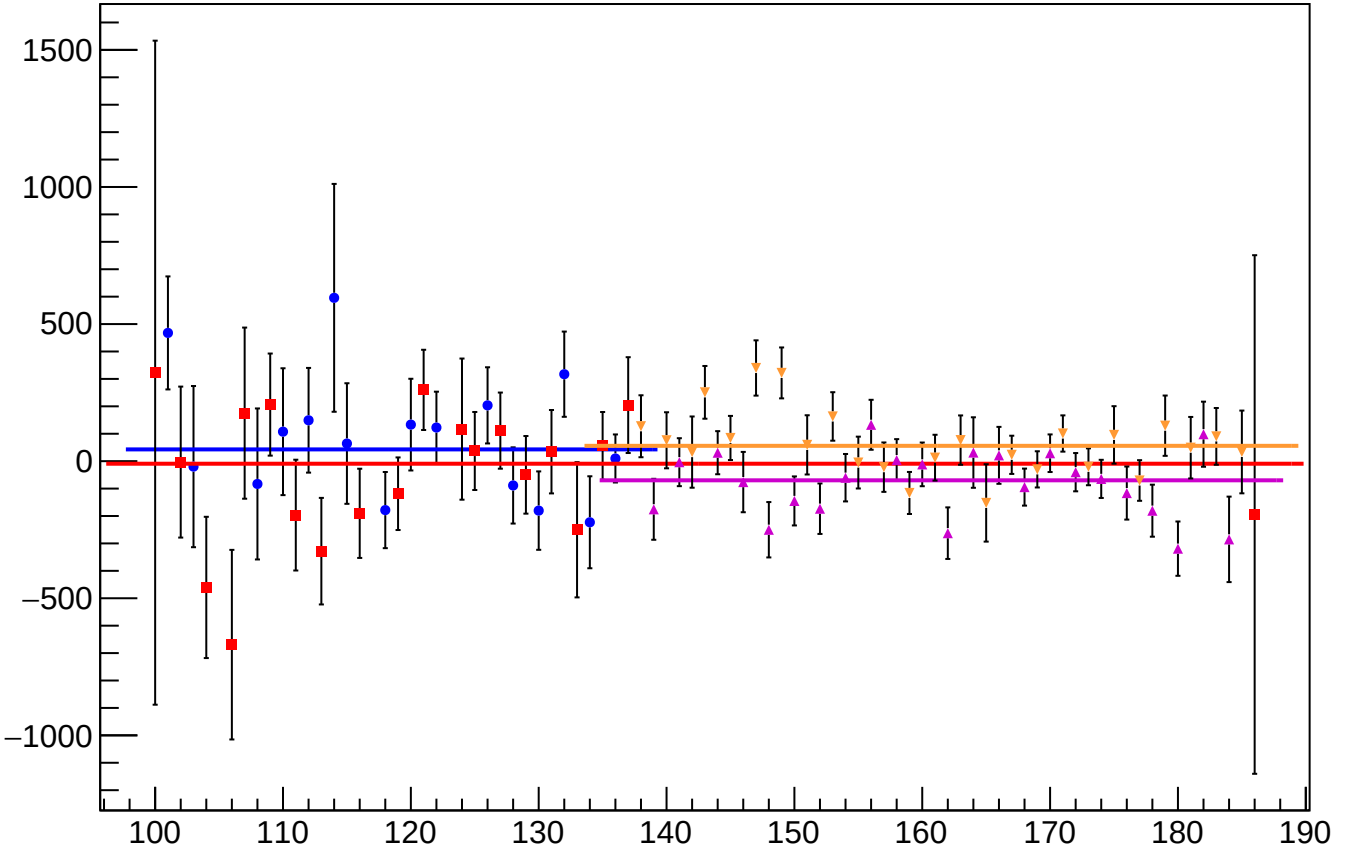
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 514.163+/-0.077 χ^2/NDF: 7879049.0/40

All: 515.269+/-0.055 χ^2/NDF: 16465460.5/83

- sign 516.427+/-0.078 χ^2/NDF: 8585984.7/42

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -9.335+/-41.021 χ^2/NDF: 21.4/19

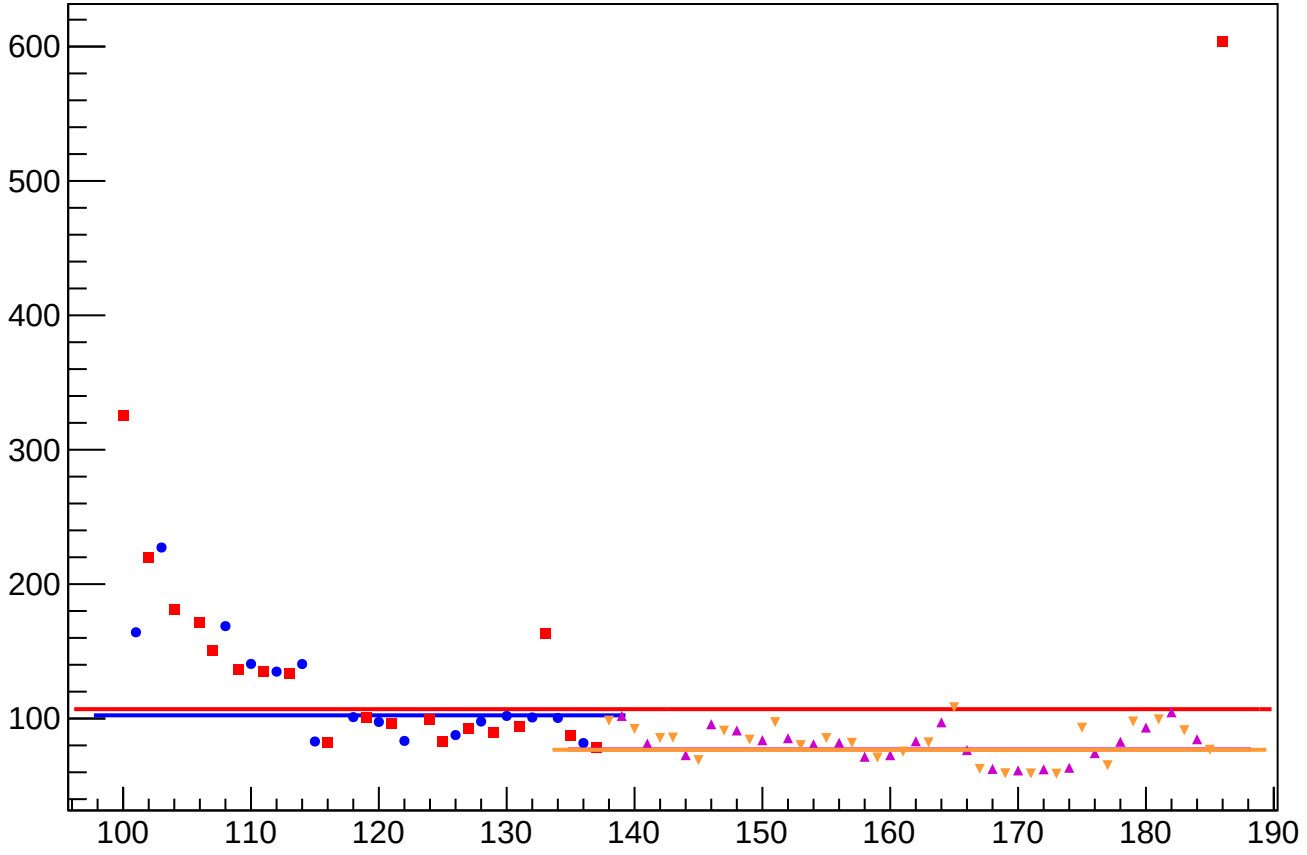
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 53.759+/-16.373 χ^2/NDF: 58.7/40

All: -1.262+/-11.746 χ^2/NDF: 139.7/83

- sign -59.619+/-16.862 χ^2/NDF: 57.7/42

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

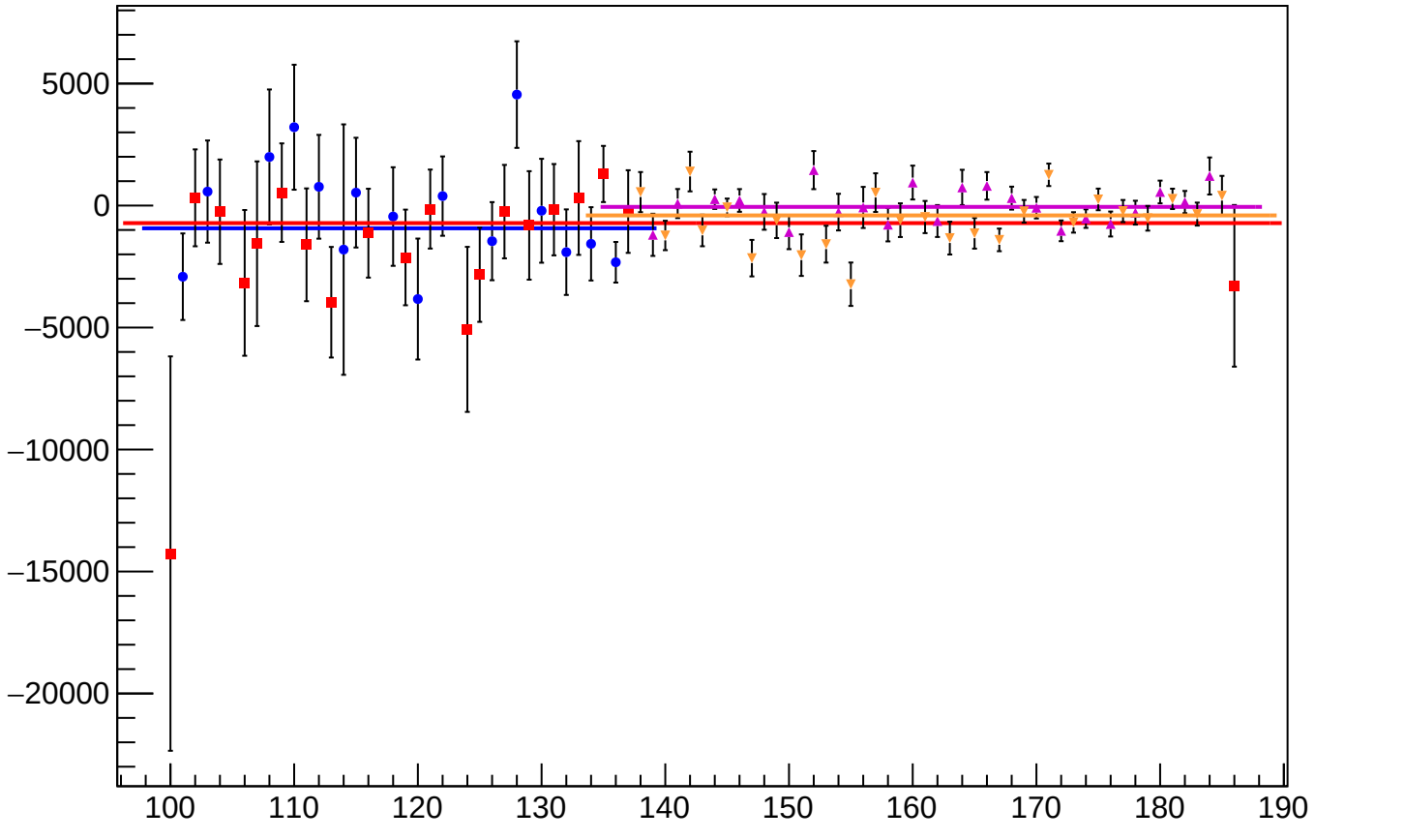
Right Out: 106.969+/-0.029 χ^2/NDF: 1744125.5/19

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 81.050+/-0.012 χ^2/NDF: 2902141.9/40

All: 81.549+/-0.008 χ^2/NDF: 6394981.8/83

- sign 82.079+/-0.012 χ^2/NDF: 3489006.7/42



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -718.801+/-458.748 χ^2/NDF: 14.1/19

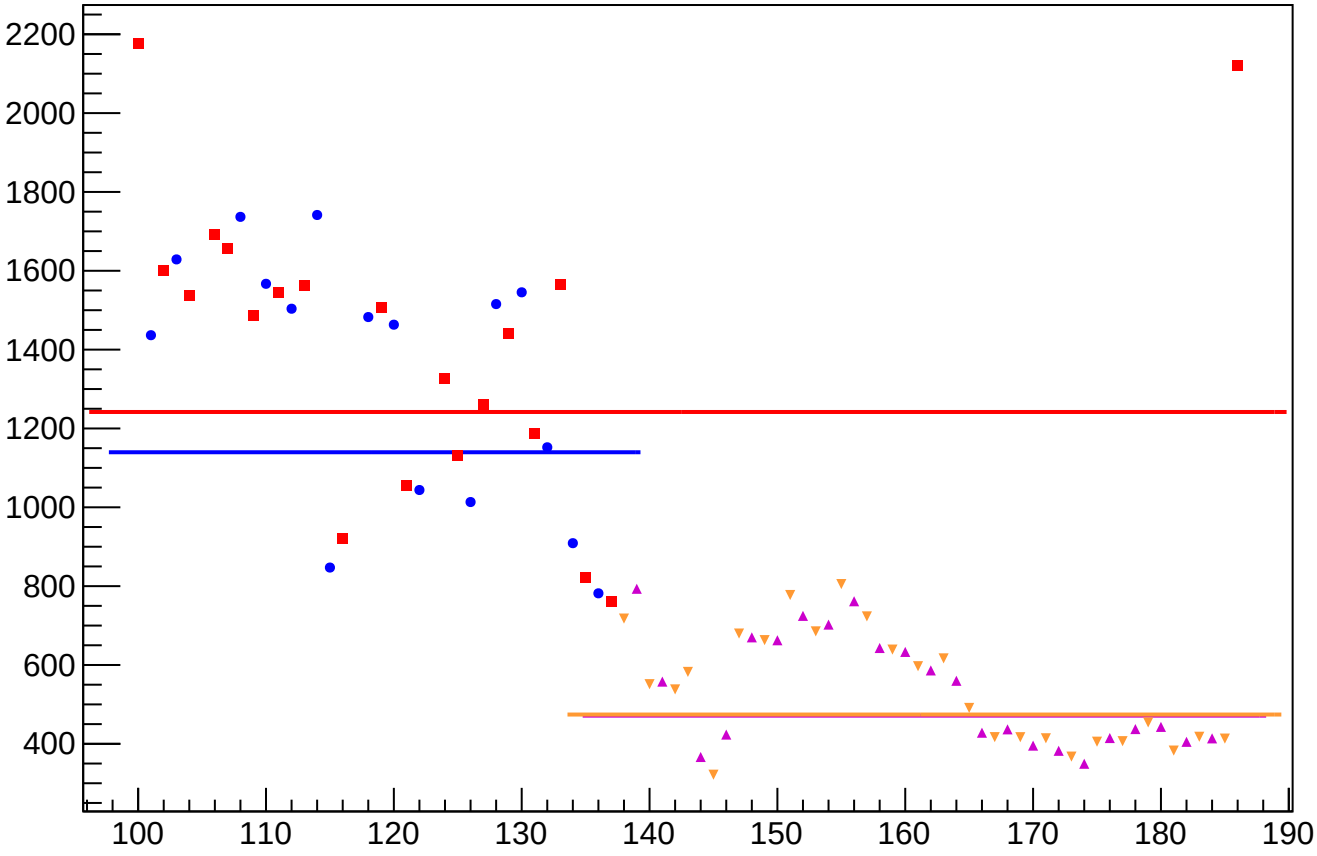
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -435.073+/-108.373 χ^2/NDF: 80.6/40

All: -267.880+/-77.488 χ^2/NDF: 132.2/83

- sign -92.990+/-110.839 χ^2/NDF: 46.7/42

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1241.821+/-0.324 χ^2/NDF: 1065909.4/19

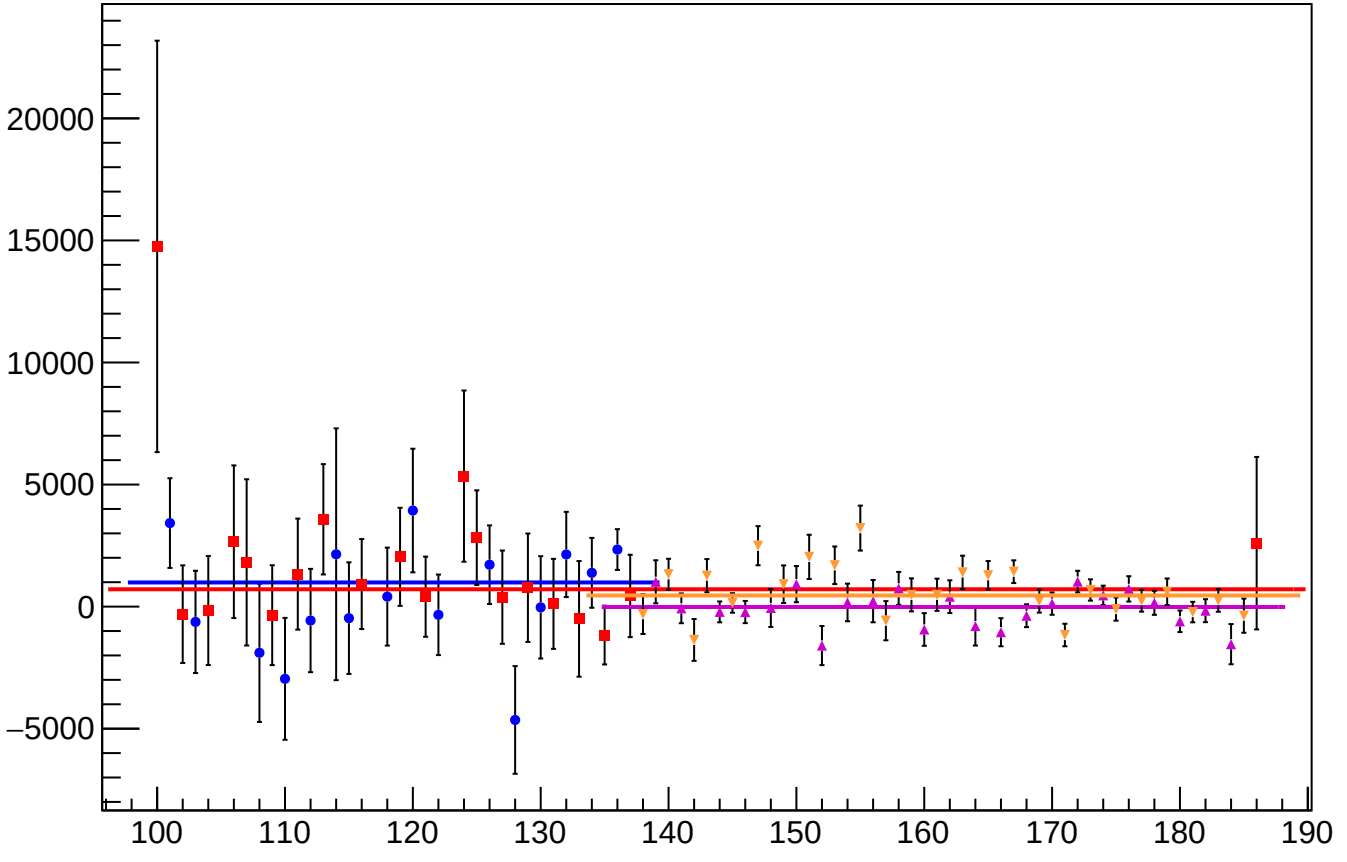
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 514.162+/-0.077 χ^2/NDF: 7879041.1/40

All: 515.269+/-0.055 χ^2/NDF: 16465433.4/83

- sign 516.427+/-0.078 χ^2/NDF: 8585965.4/42

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 710.973+/-465.556 χ^2/NDF: 12.2/19

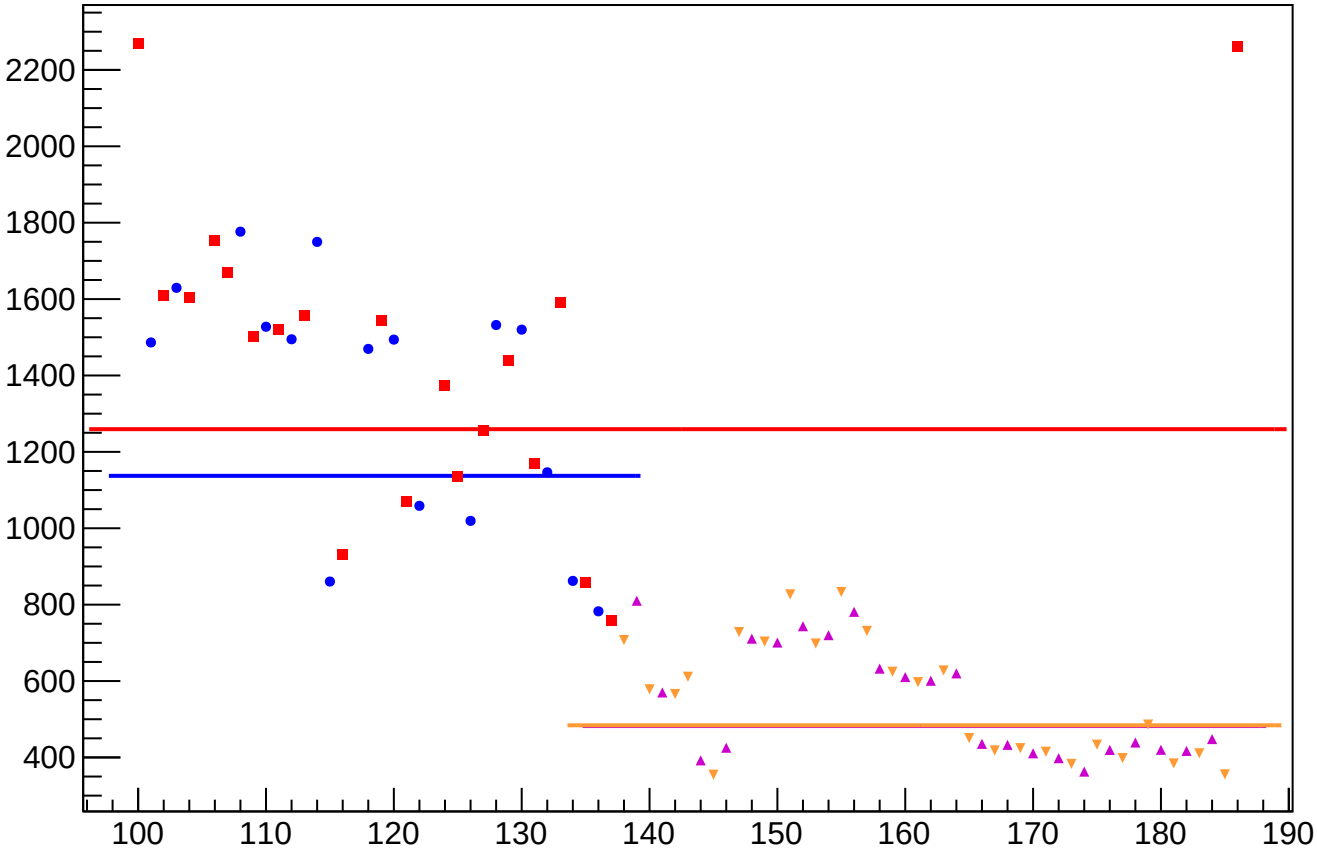
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 490.573+/-110.716 χ^2/NDF: 79.8/40

All: 264.333+/-79.151 χ^2/NDF: 133.1/83

- sign 27.836+/-113.199 χ^2/NDF: 44.8/42

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

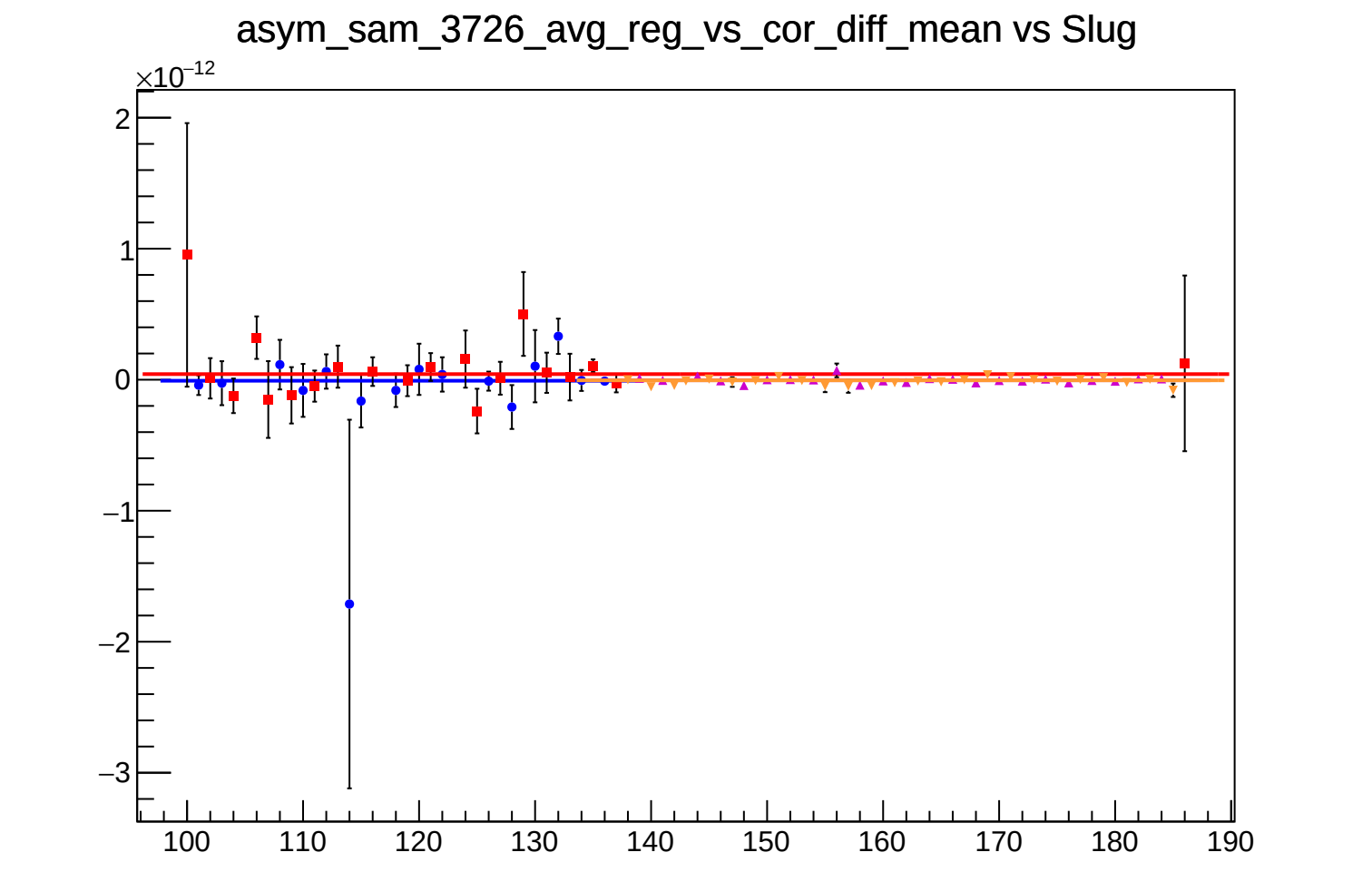
Right Out: 1259.433+/-0.329 χ^2/NDF: 1063443.5/19

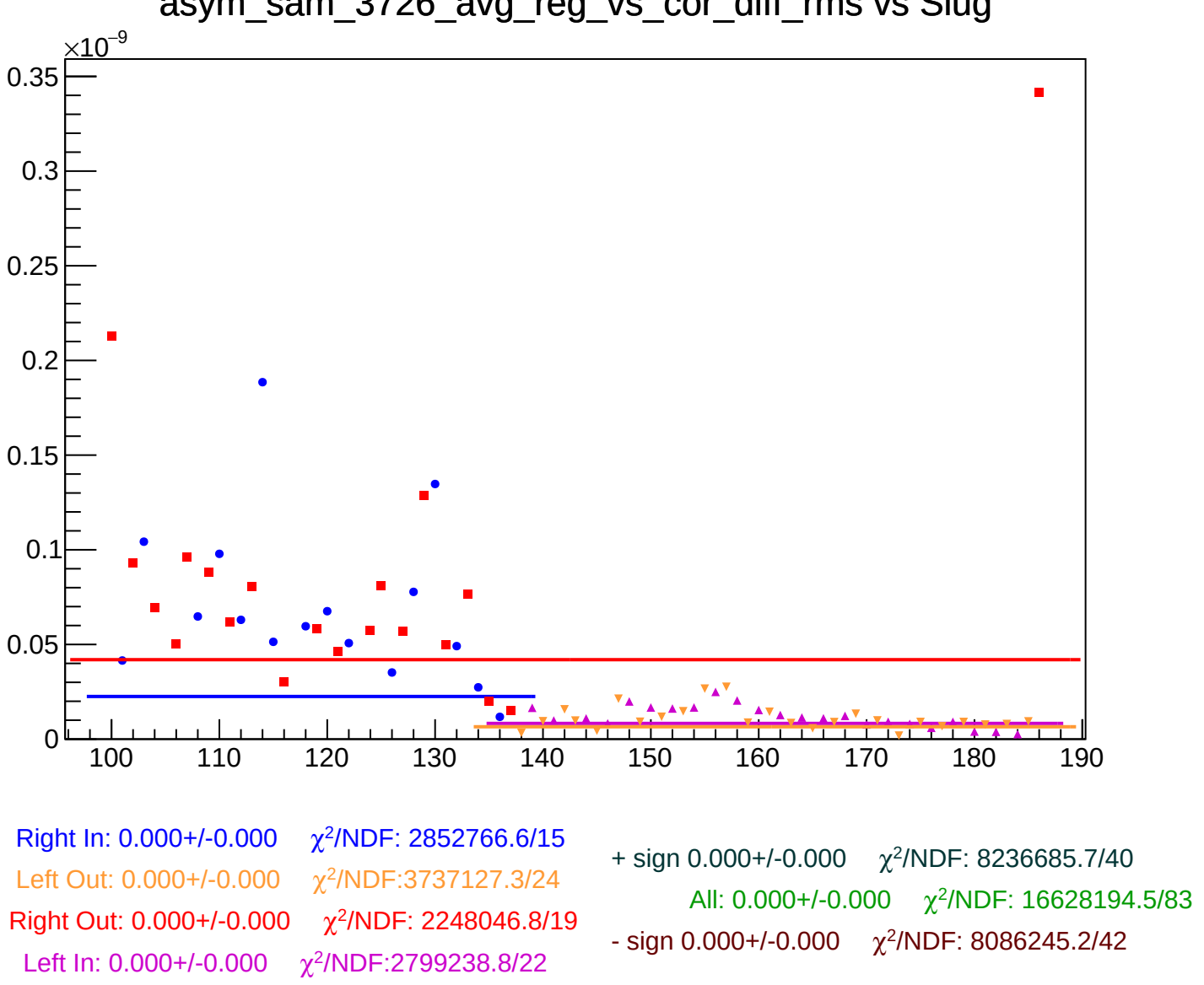
Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 524.989+/-0.078 χ^2/NDF: 7753754.0/40

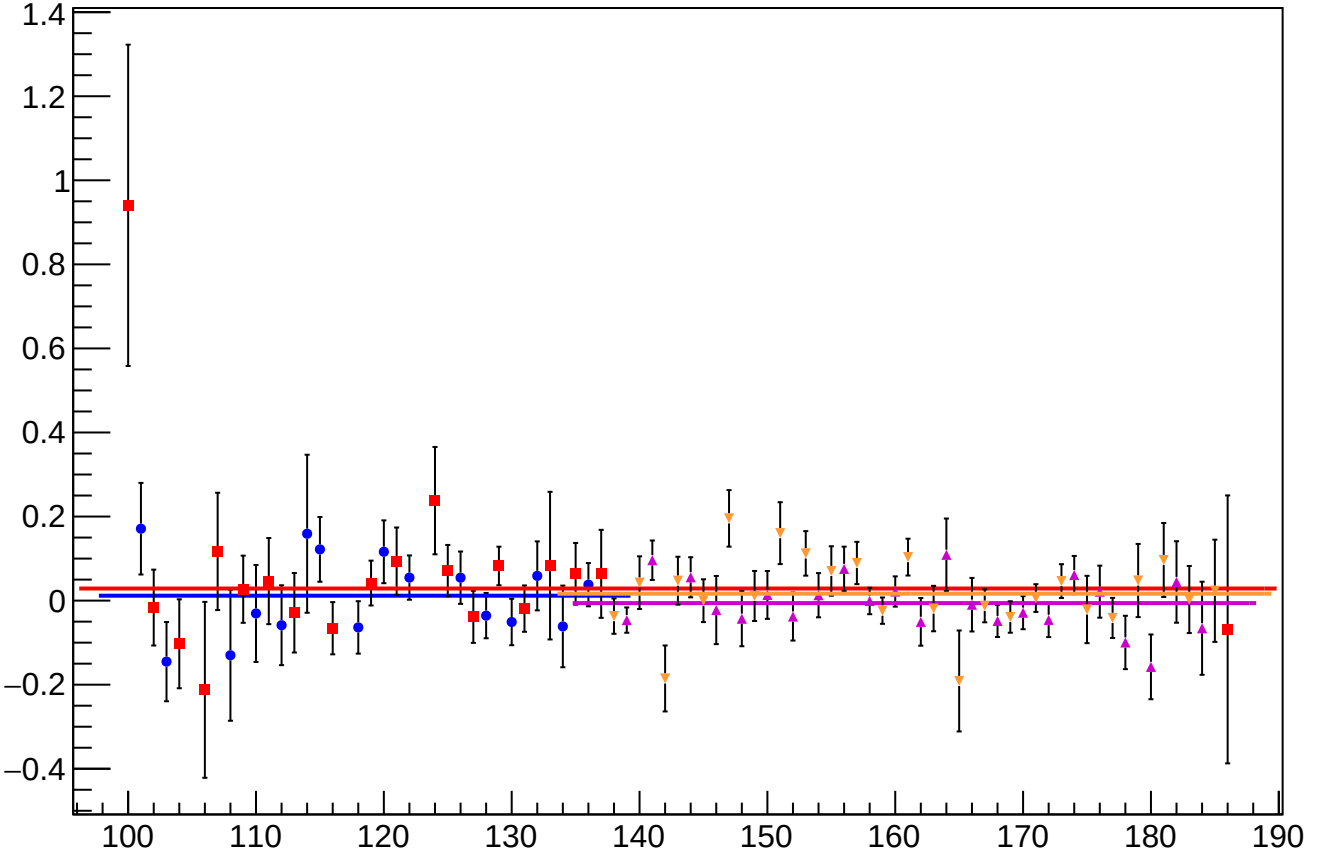
All: 526.516+/-0.056 χ^2/NDF: 16249919.9/83

- 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: 11.7/15
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: 42.8/40
All: -0.000+/-0.000 χ²/NDF: 76.4/83
- sign -0.000+/-0.000 χ²/NDF: 33.5/42


asym_sam_3726_avg_reg_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: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3737127.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 2248046.8/19
Left In: 0.000+/-0.000 χ²/NDF:2799238.8/22
+ sign 0.000+/-0.000 χ²/NDF: 8236685.7/40
All: 0.000+/-0.000 χ²/NDF: 16628194.5/83
- sign 0.000+/-0.000 χ²/NDF: 8086245.2/42

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.029+/-0.018 χ^2/NDF: 19.6/19

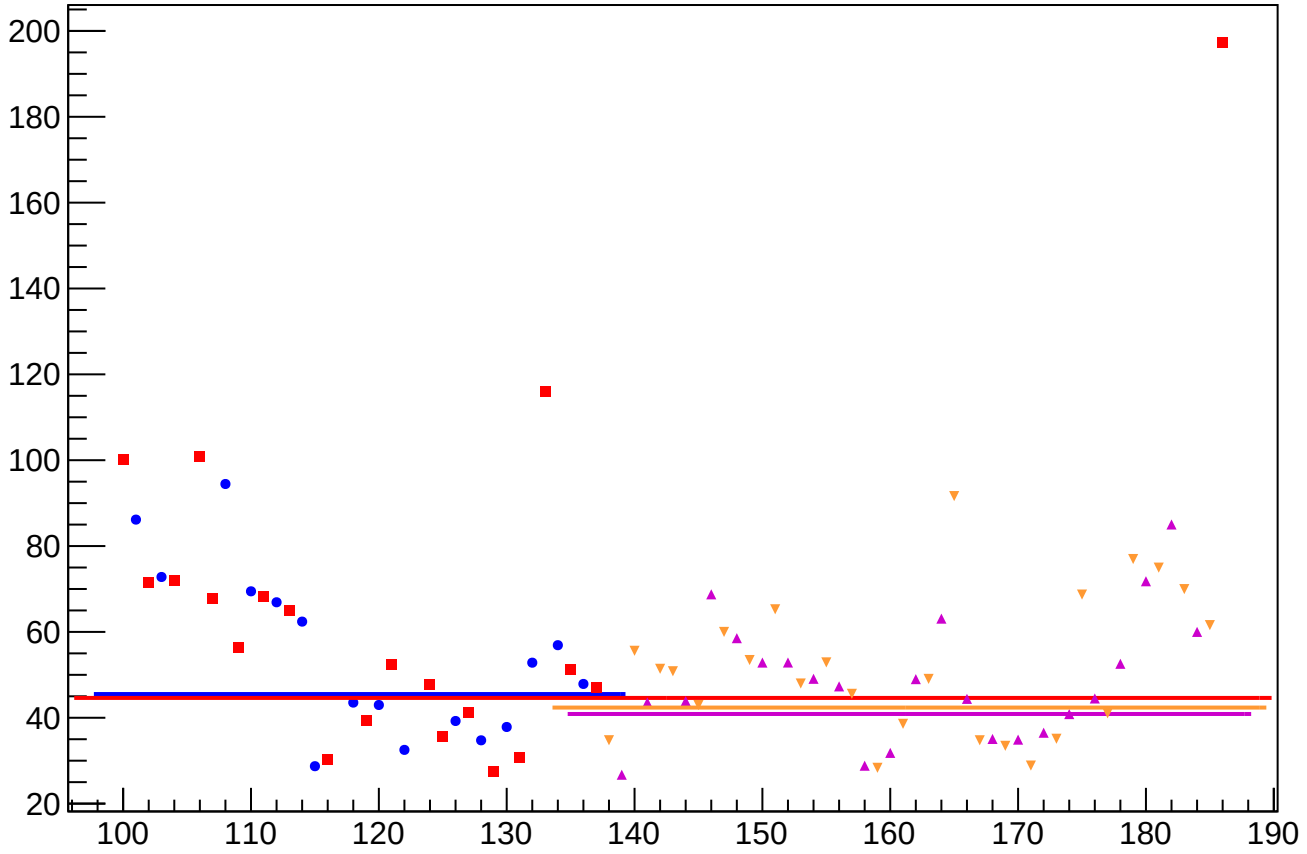
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.015+/-0.009 χ^2/NDF: 58.0/40

All: 0.009+/-0.006 χ^2/NDF: 107.4/83

- sign 0.003+/-0.009 χ^2/NDF: 48.4/42

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

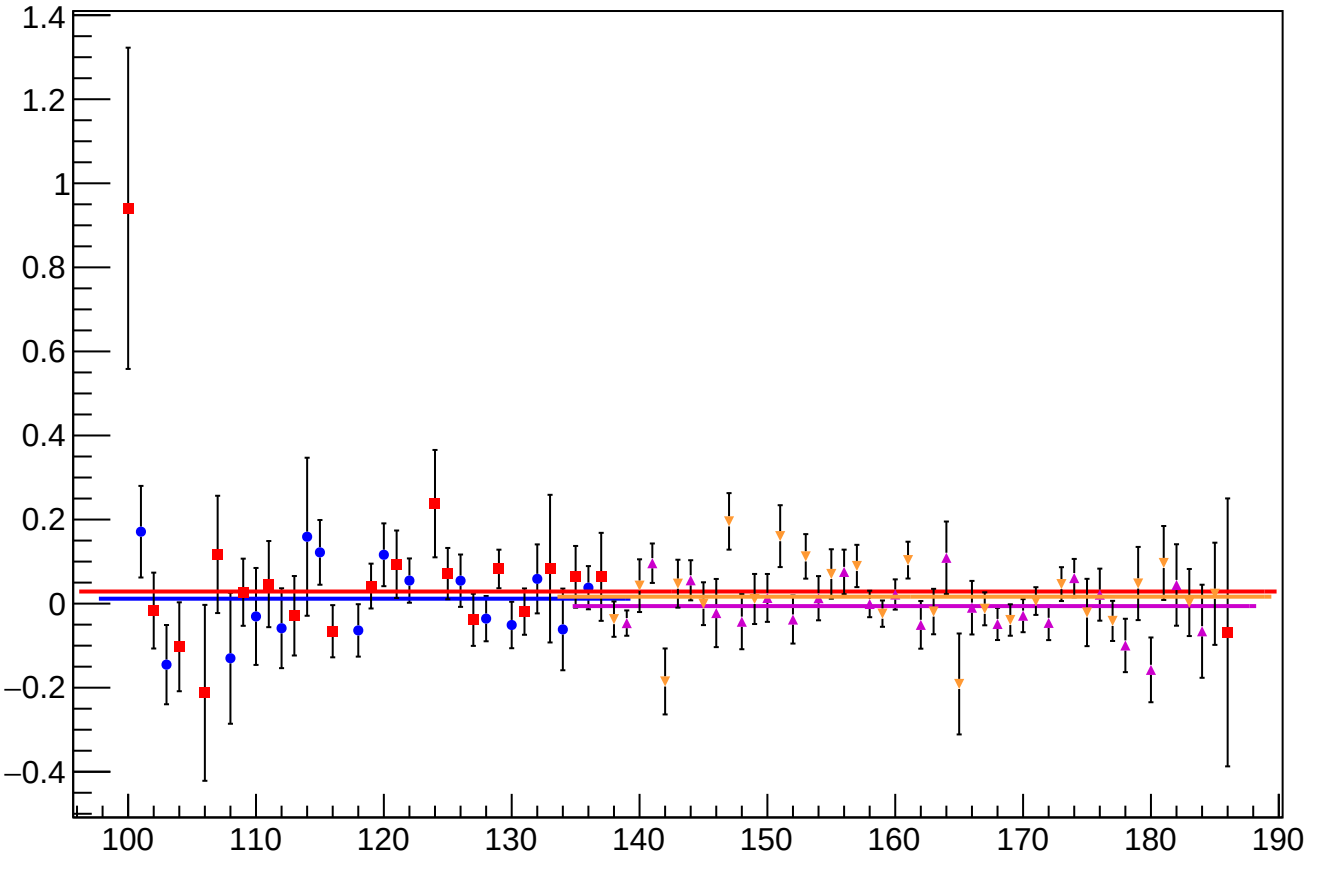
Right Out: 44.621+/-0.013 χ^2/NDF: 2203531.7/19

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.137+/-0.006 χ^2/NDF: 4489768.8/40

All: 42.467+/-0.004 χ^2/NDF: 9459402.2/83

- sign 41.812+/-0.006 χ^2/NDF: 4947777.8/42



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.029+/-0.018 χ^2/NDF: 19.6/19

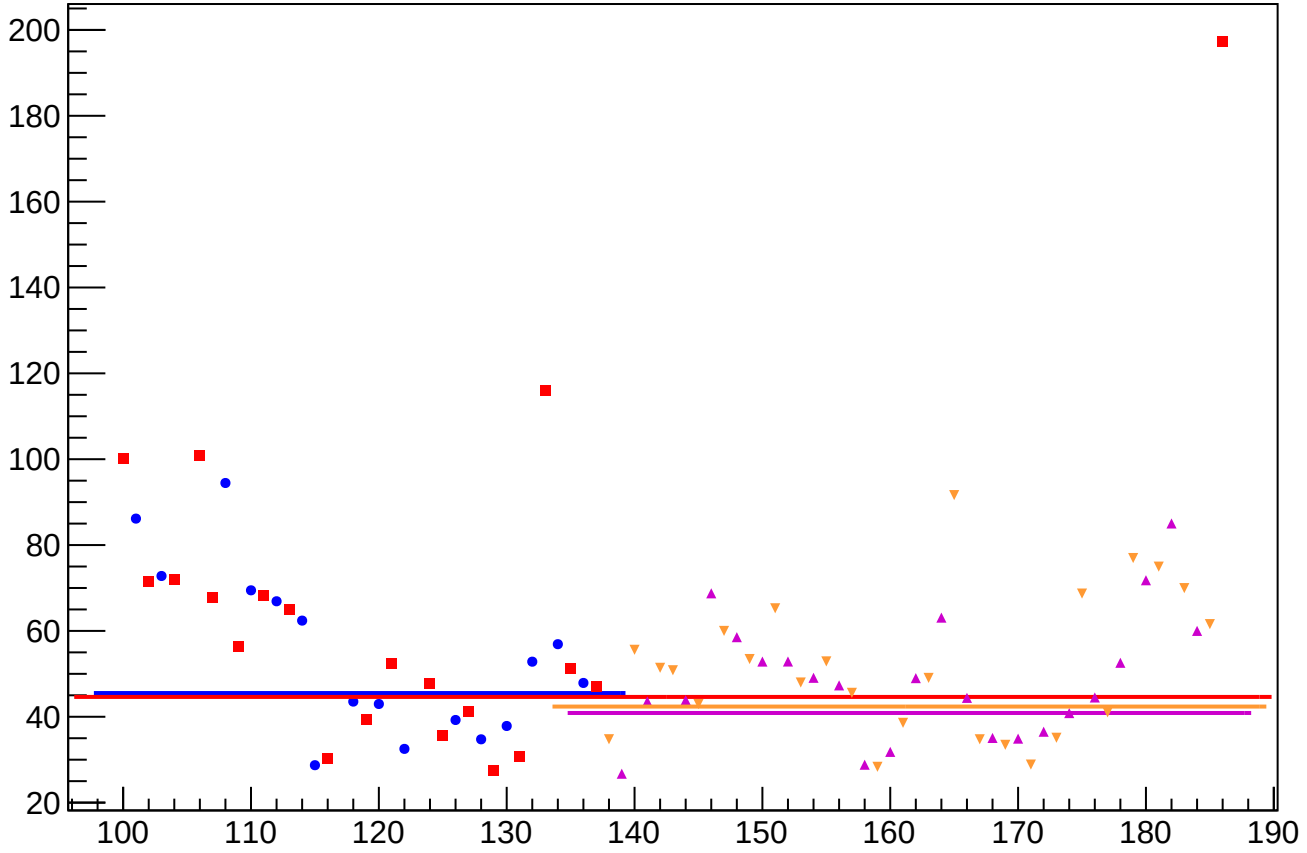
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.015+/-0.009 χ^2/NDF: 58.0/40

All: 0.009+/-0.006 χ^2/NDF: 107.4/83

- 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: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

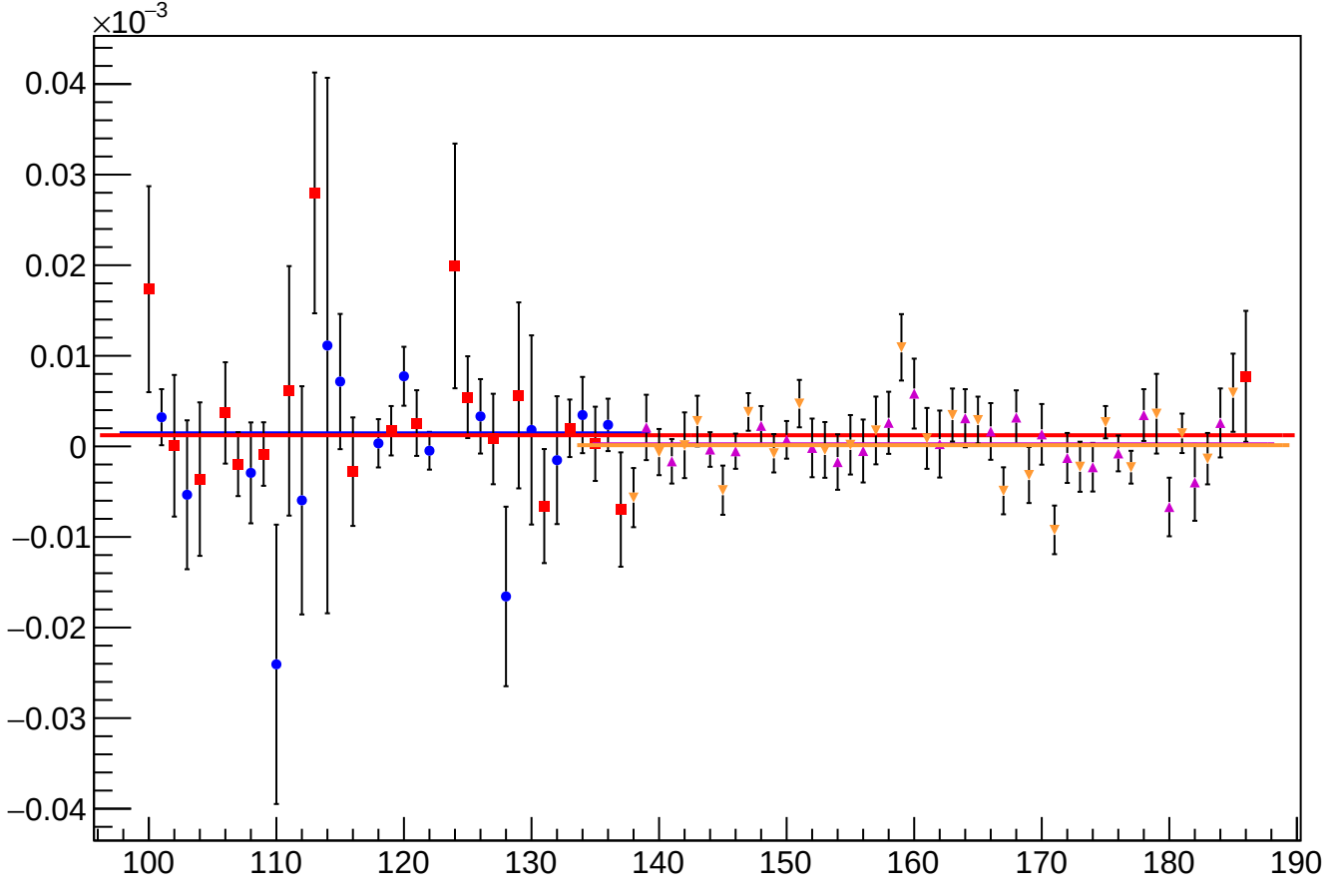
Right Out: 44.621+/-0.013 χ^2/NDF: 2203531.7/19

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.137+/-0.006 χ^2/NDF: 4489768.8/40

All: 42.467+/-0.004 χ^2/NDF: 9459402.2/83

- sign 41.812+/-0.006 χ^2/NDF: 4947777.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

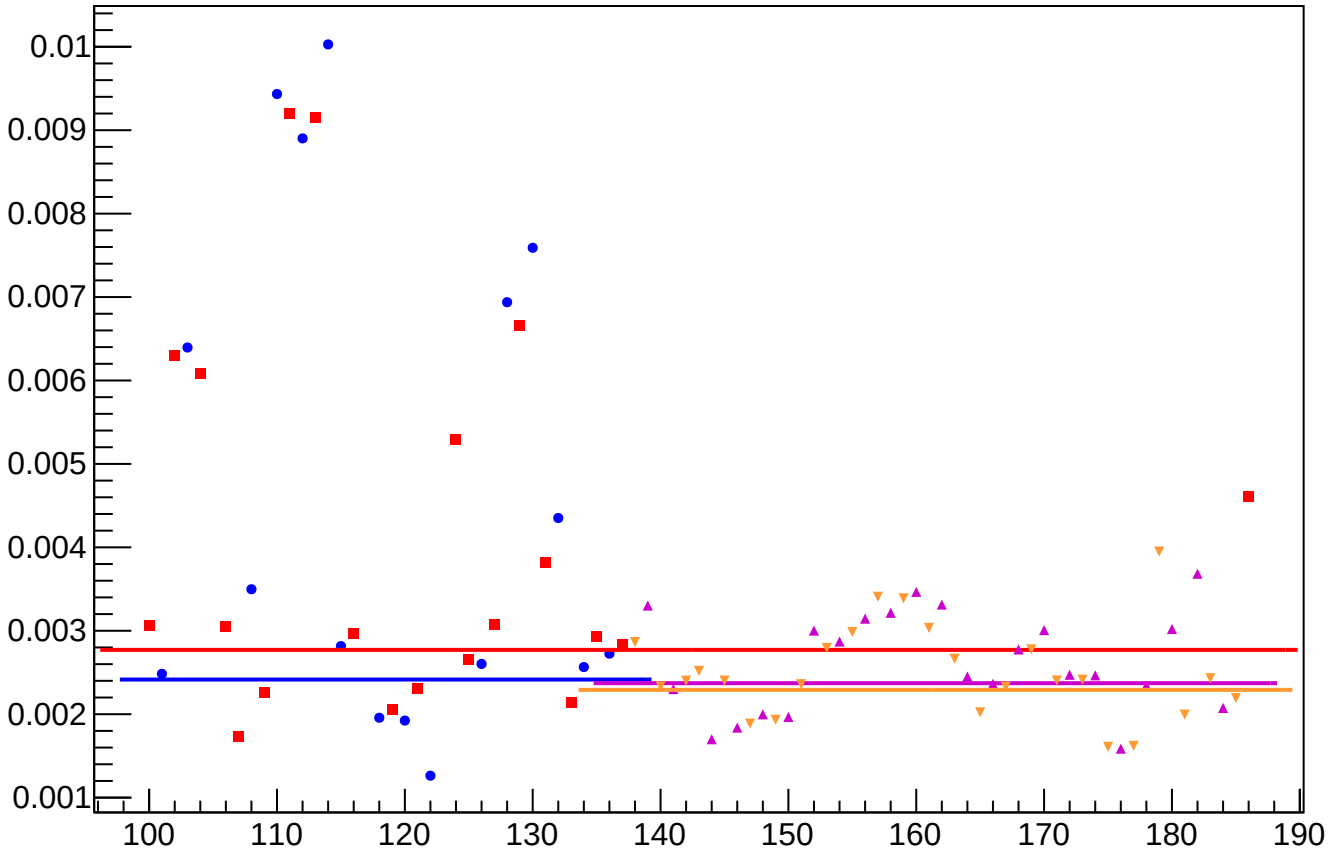
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/19

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.4/40

All: 0.000+/-0.000 χ^2/NDF: 97.5/83

- sign 0.000+/-0.000 χ^2/NDF: 32.1/42



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

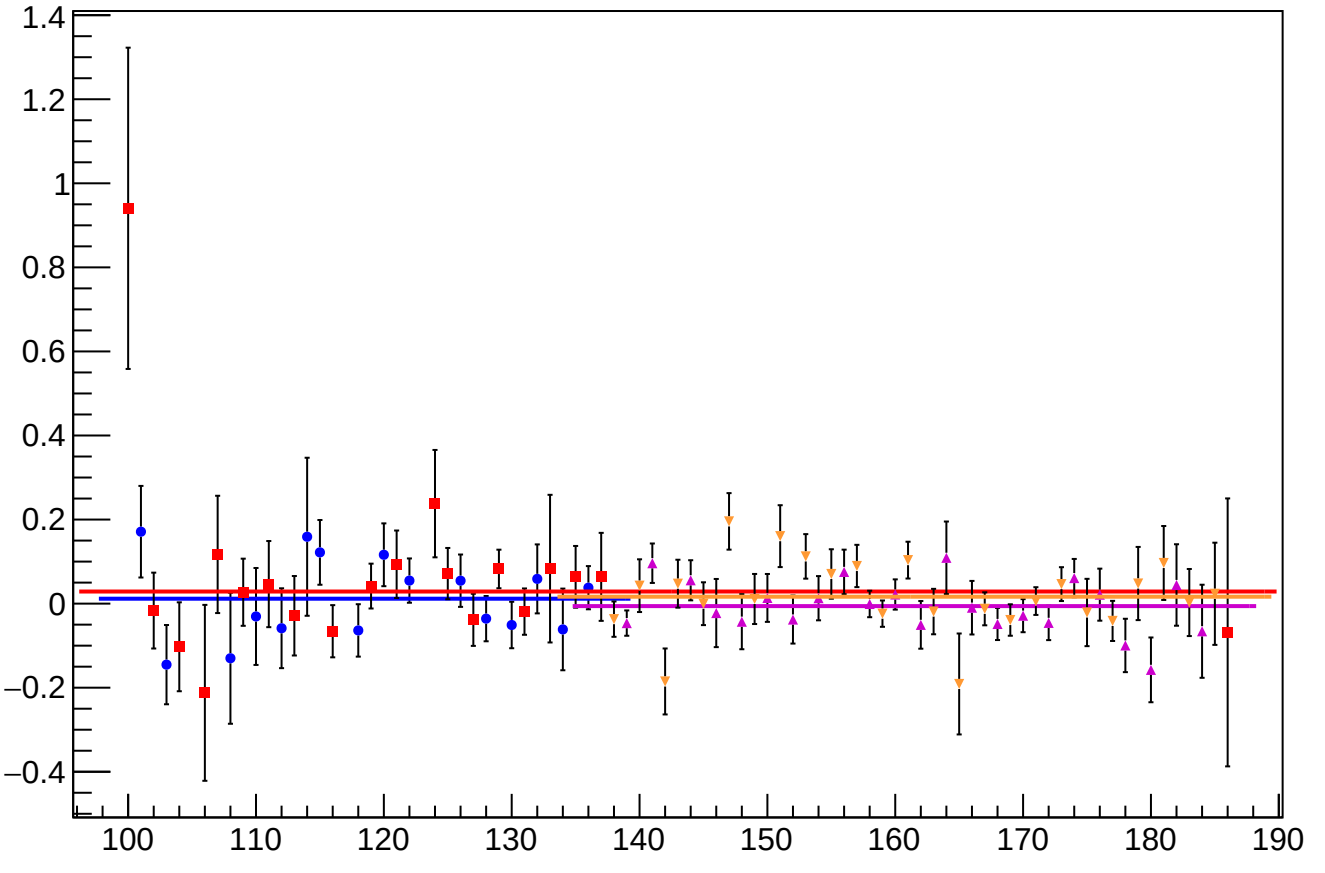
Right Out: 0.003+/-0.000 χ^2/NDF: 2637979.9/19

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5273322.5/40

All: 0.002+/-0.000 χ^2/NDF: 10214704.4/83

- sign 0.002+/-0.000 χ^2/NDF: 4862089.3/42



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

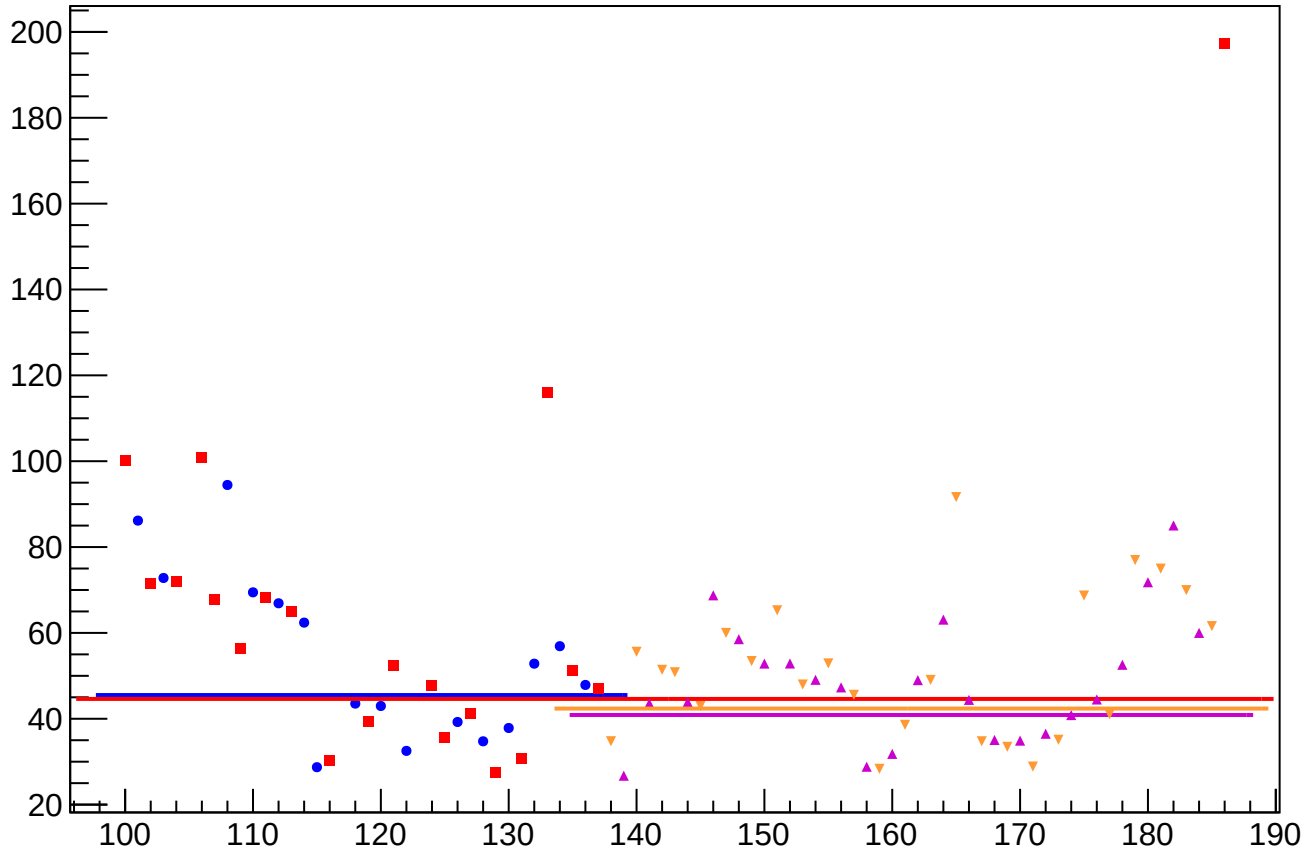
Right Out: 0.029+/-0.018 χ^2/NDF: 19.6/19

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.015+/-0.009 χ^2/NDF: 58.0/40

All: 0.009+/-0.006 χ^2/NDF: 107.4/83

- sign 0.003+/-0.009 χ^2/NDF: 48.4/42



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

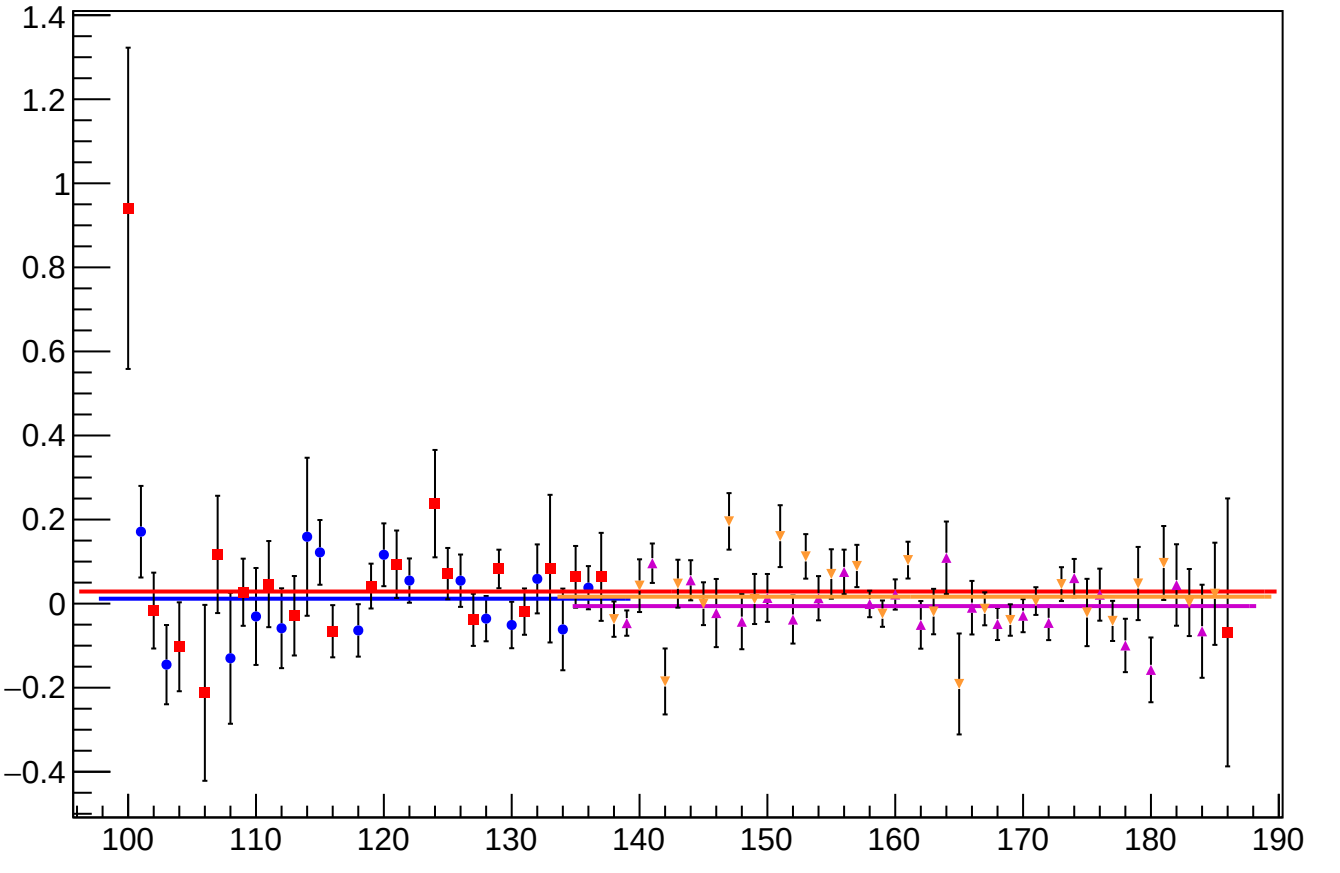
Right Out: 44.622+/-0.013 χ^2/NDF: 2203448.7/19

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.137+/-0.006 χ^2/NDF: 4489742.7/40

All: 42.468+/-0.004 χ^2/NDF: 9459306.4/83

- sign 41.813+/-0.006 χ^2/NDF: 4947712.5/42



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

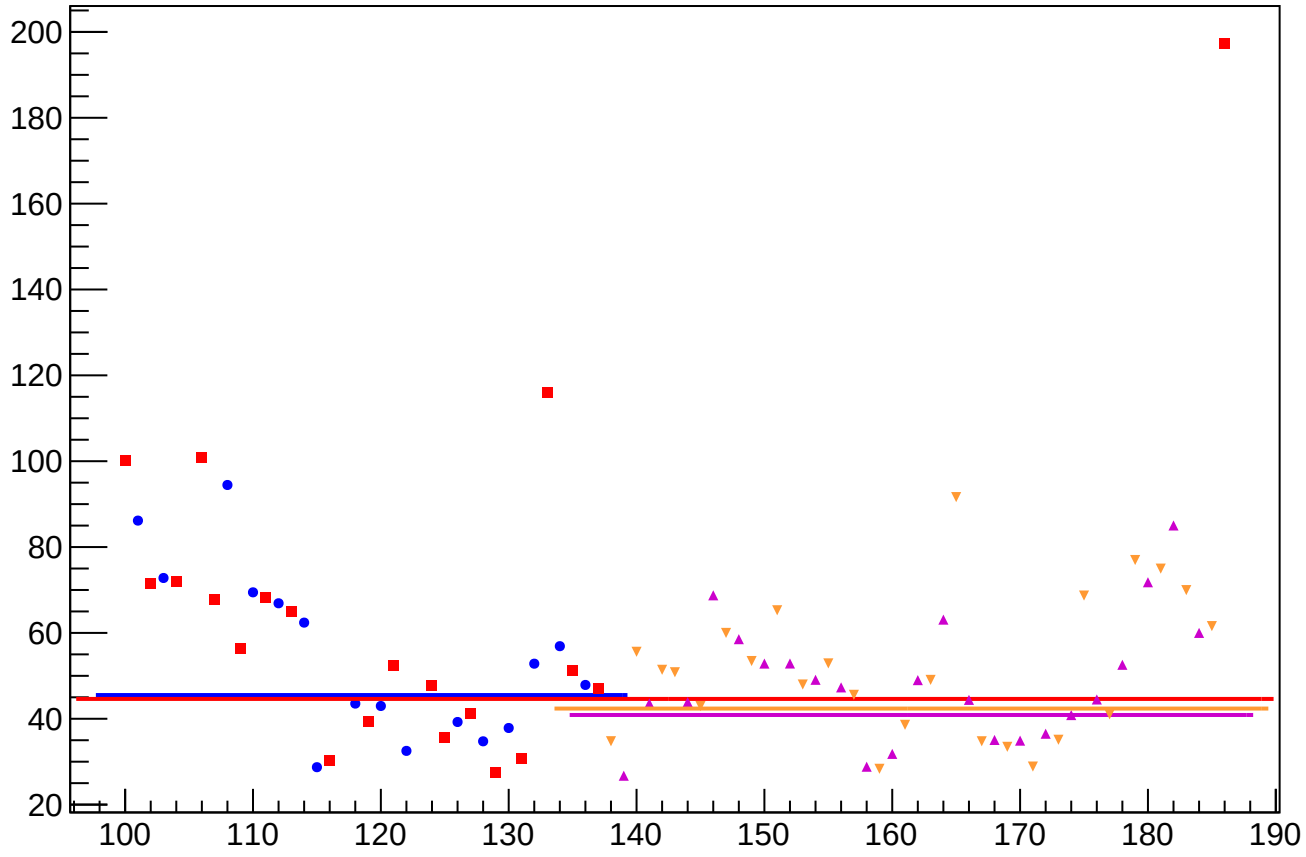
Right Out: 0.029+/-0.018 χ^2/NDF: 19.6/19

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.015+/-0.009 χ^2/NDF: 58.0/40

All: 0.009+/-0.006 χ^2/NDF: 107.4/83

- sign 0.003+/-0.009 χ^2/NDF: 48.4/42



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

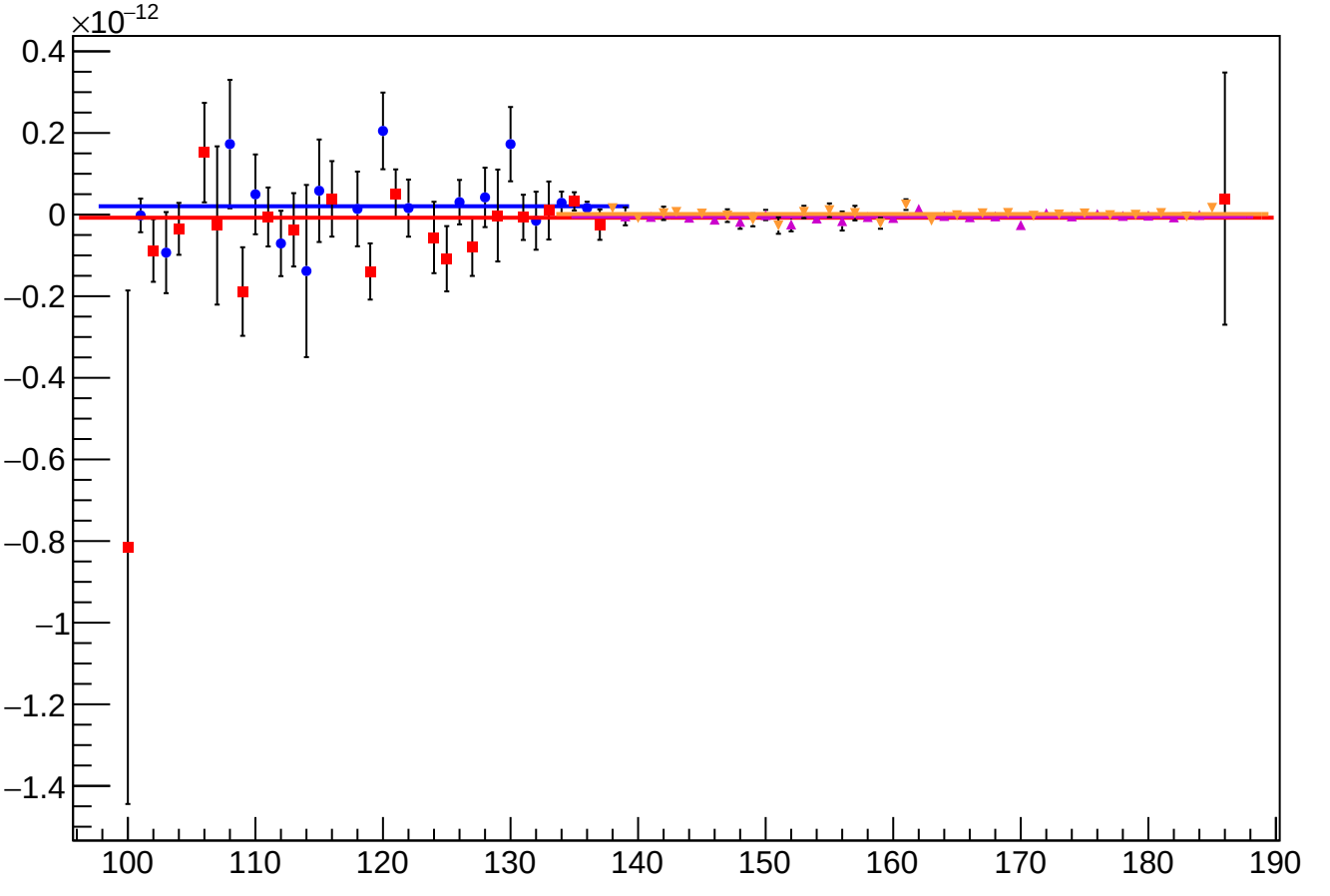
Right Out: 44.622+/-0.013 χ^2/NDF: 2203448.7/19

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.137+/-0.006 χ^2/NDF: 4489742.7/40

All: 42.468+/-0.004 χ^2/NDF: 9459306.4/83

- sign 41.813+/-0.006 χ^2/NDF: 4947712.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

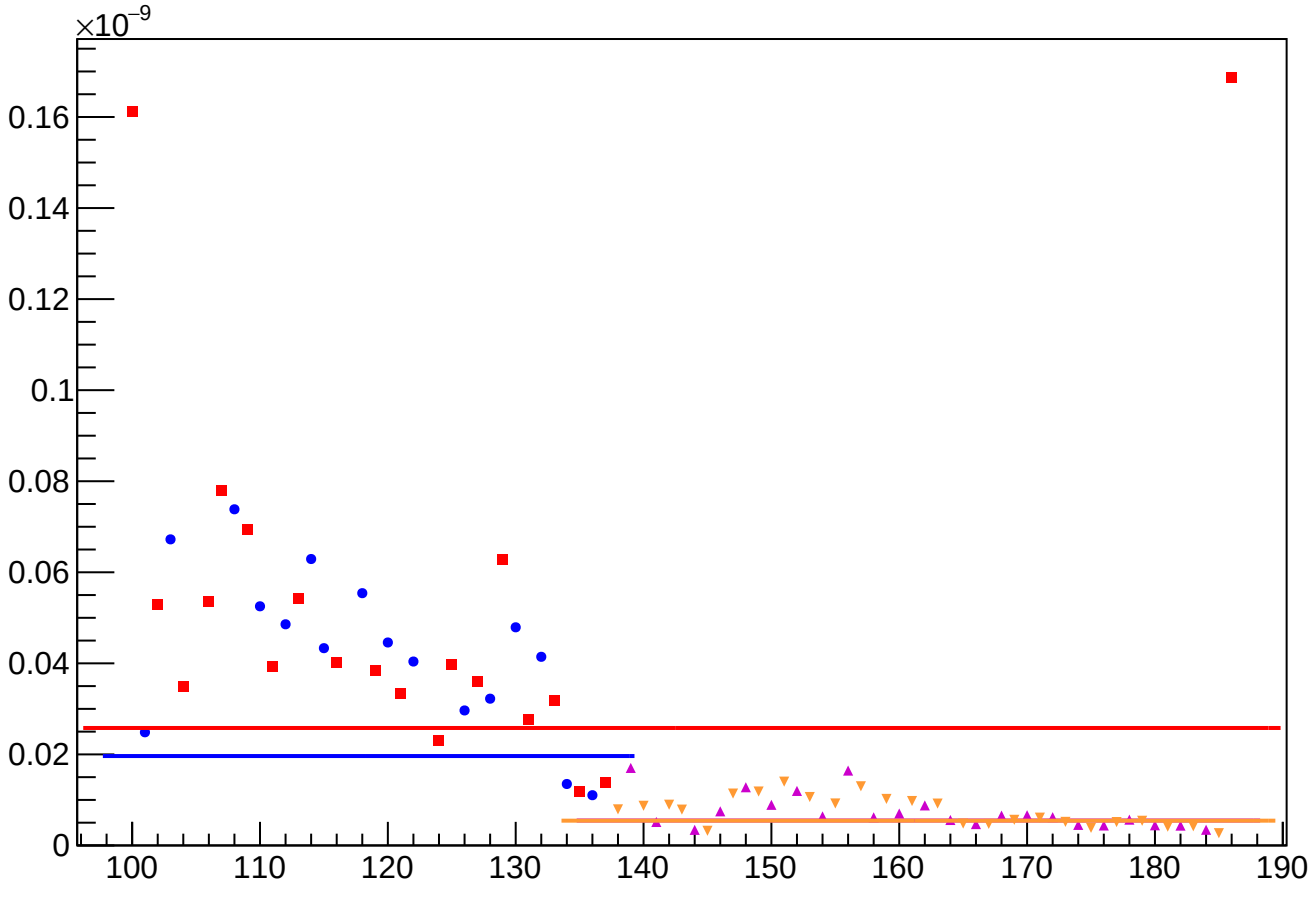
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/19

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.3/40

All: -0.000+/-0.000 χ^2/NDF: 74.4/83

- sign -0.000+/-0.000 χ^2/NDF: 32.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3131909.3/19

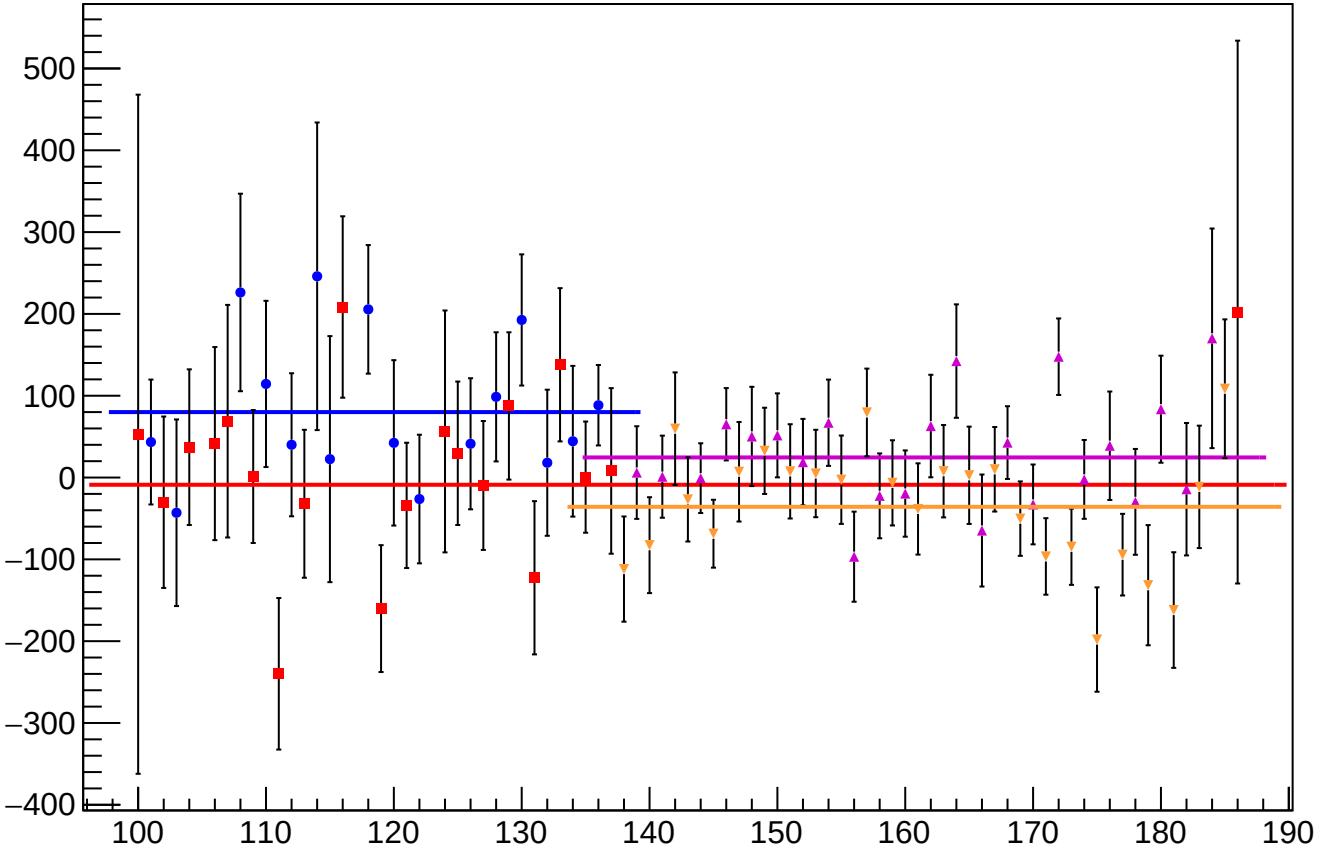
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10178933.9/40

All: 0.000+/-0.000 χ^2/NDF: 20449435.9/83

- sign 0.000+/-0.000 χ^2/NDF: 10269904.2/42

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -8.833+/-21.572 χ^2/NDF: 20.8/19

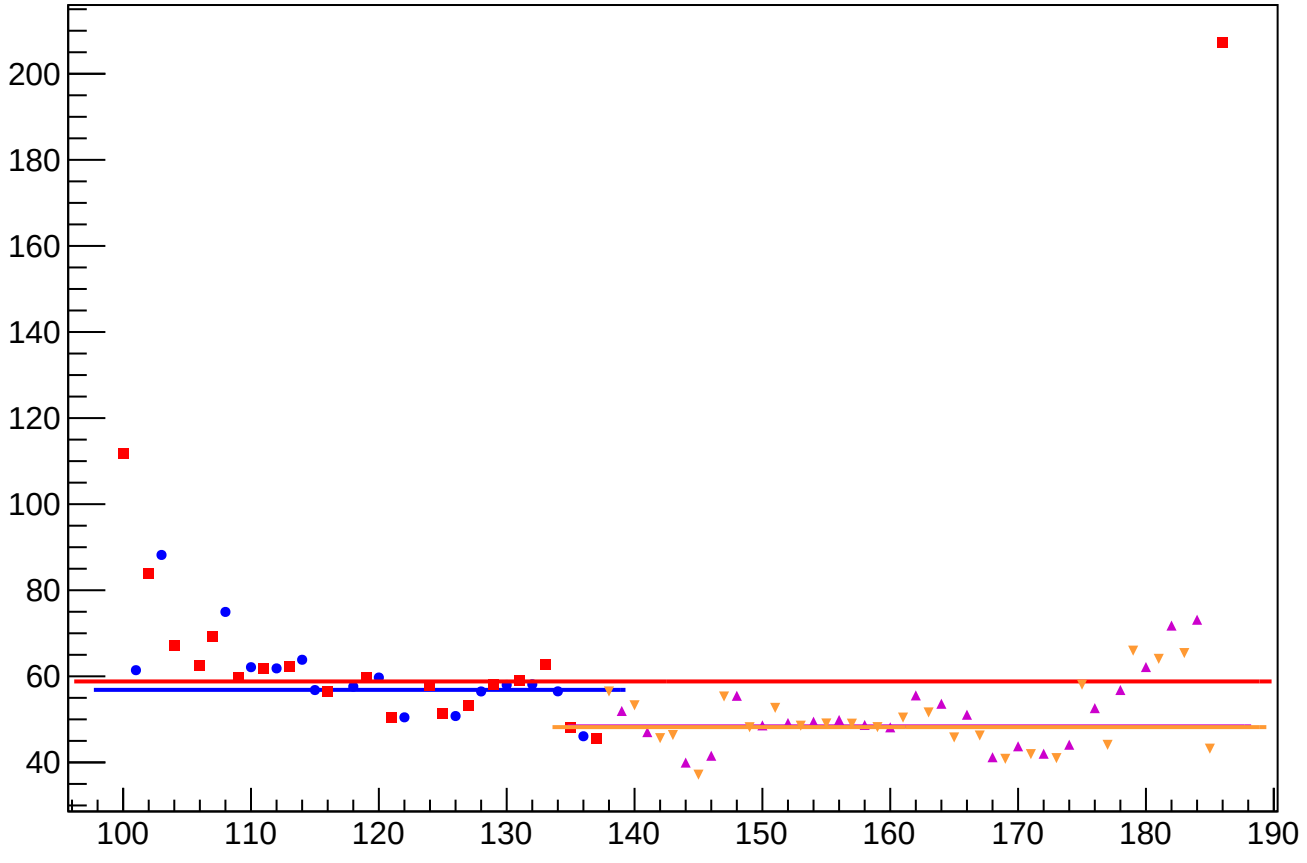
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -11.308+/-9.874 χ^2/NDF: 68.2/40

All: 2.588+/-7.070 χ^2/NDF: 120.6/83

- sign 17.208+/-10.128 χ^2/NDF: 48.4/42

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

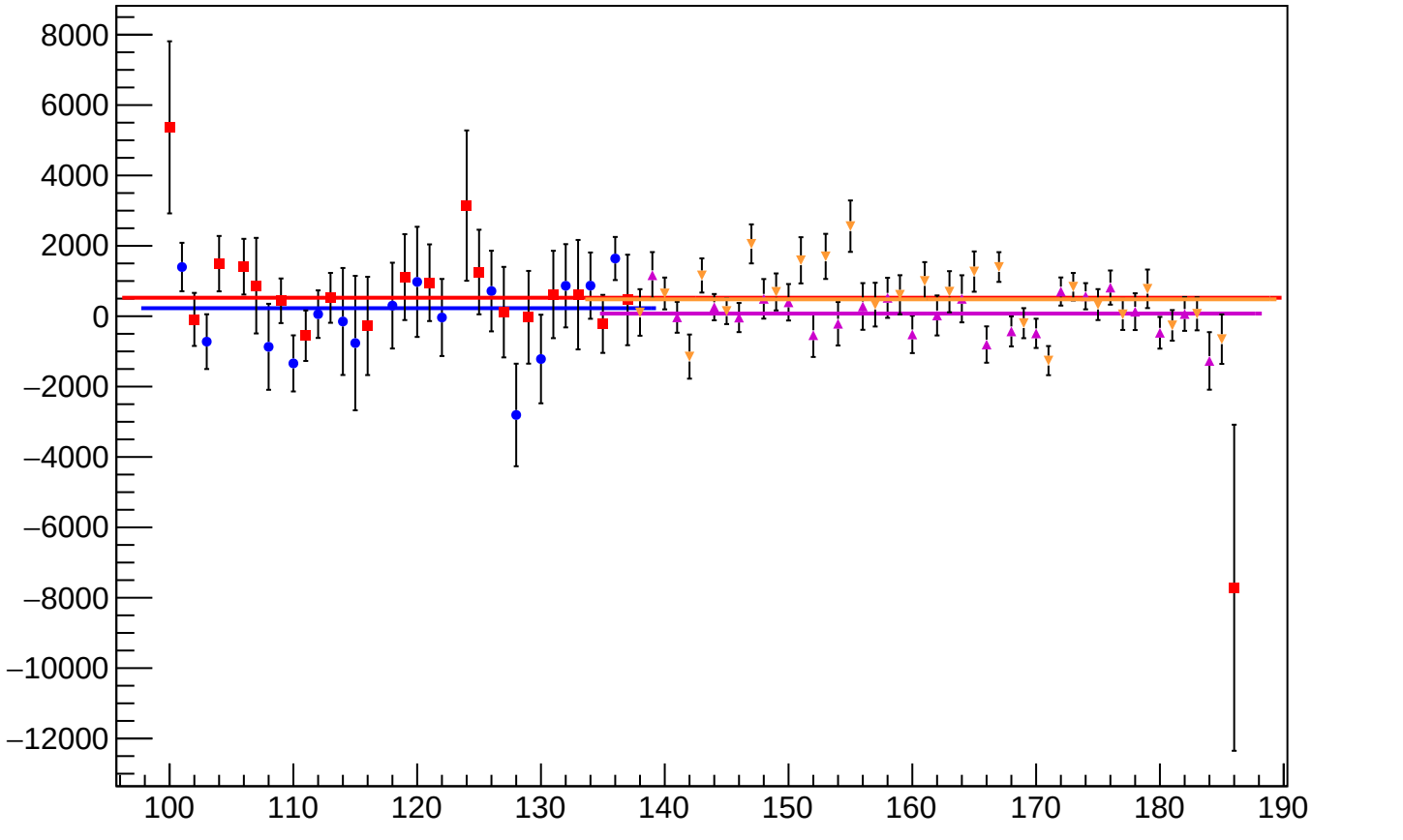
Right Out: 58.812+/-0.015 χ^2/NDF: 716635.5/19

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.028+/-0.007 χ^2/NDF: 1378133.4/40

All: 50.346+/-0.005 χ^2/NDF: 3158955.2/83

- sign 50.680+/-0.007 χ^2/NDF: 1776577.9/42



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 524.943+/-226.970 χ^2/NDF: 16.5/19

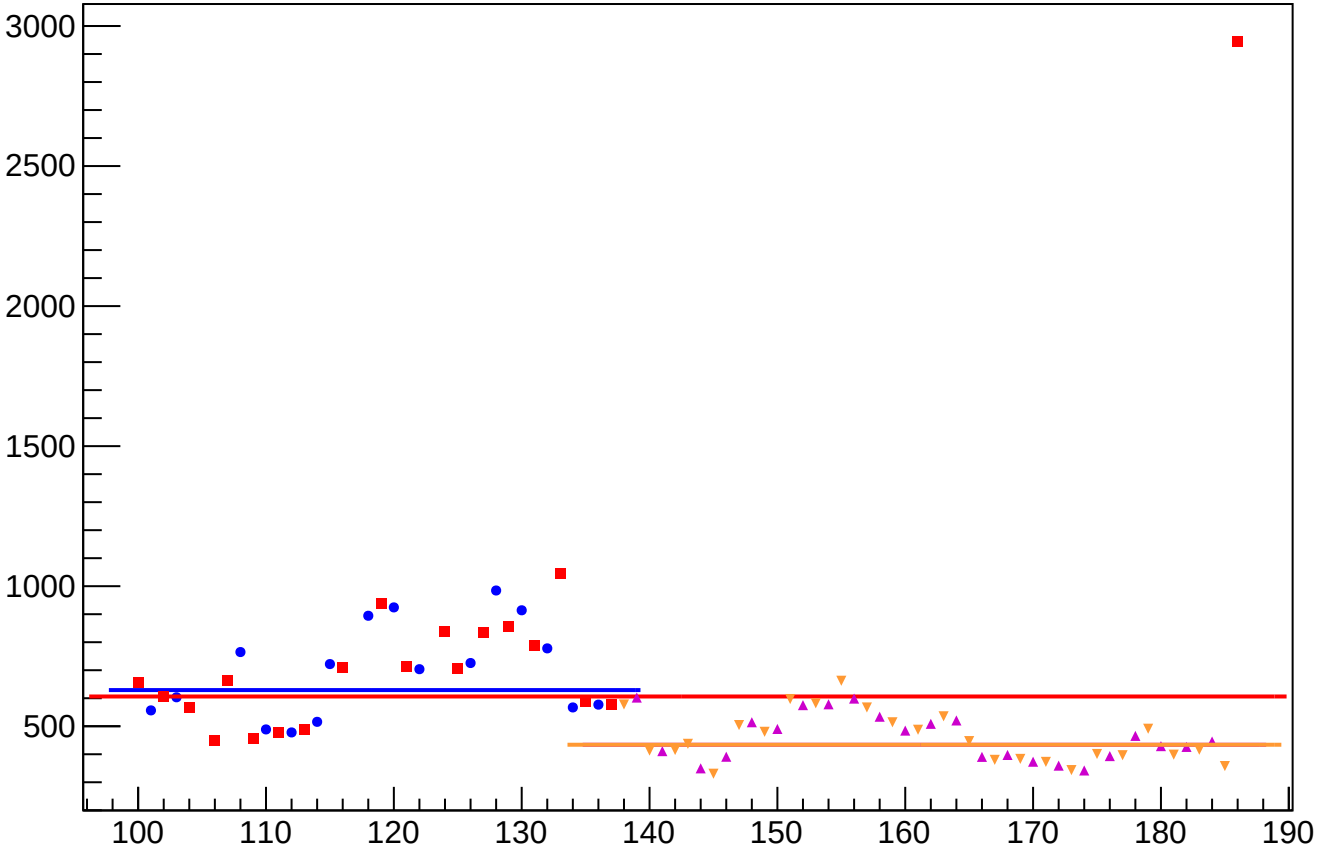
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 442.823+/-92.791 χ^2/NDF: 91.8/40

All: 299.394+/-65.998 χ^2/NDF: 140.9/83

- sign 152.545+/-93.891 χ^2/NDF: 44.3/42

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 606.218+/-0.160 χ^2/NDF: 1385256.1/19

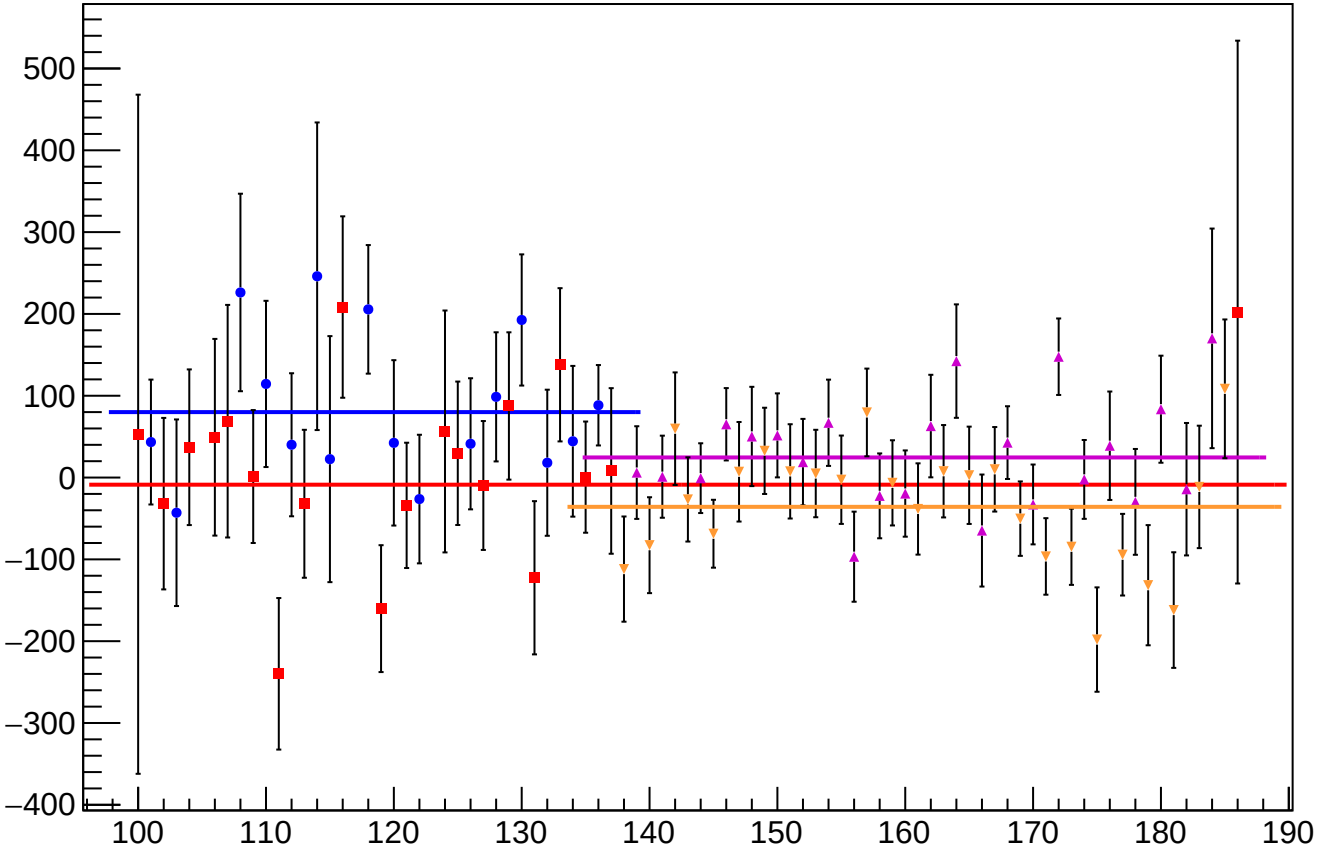
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 462.821+/-0.066 χ^2/NDF: 3051702.4/40

All: 463.028+/-0.047 χ^2/NDF: 6489282.9/83

- sign 463.240+/-0.066 χ^2/NDF: 3437560.4/42

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -8.722+/-21.585 χ^2/NDF: 20.8/19

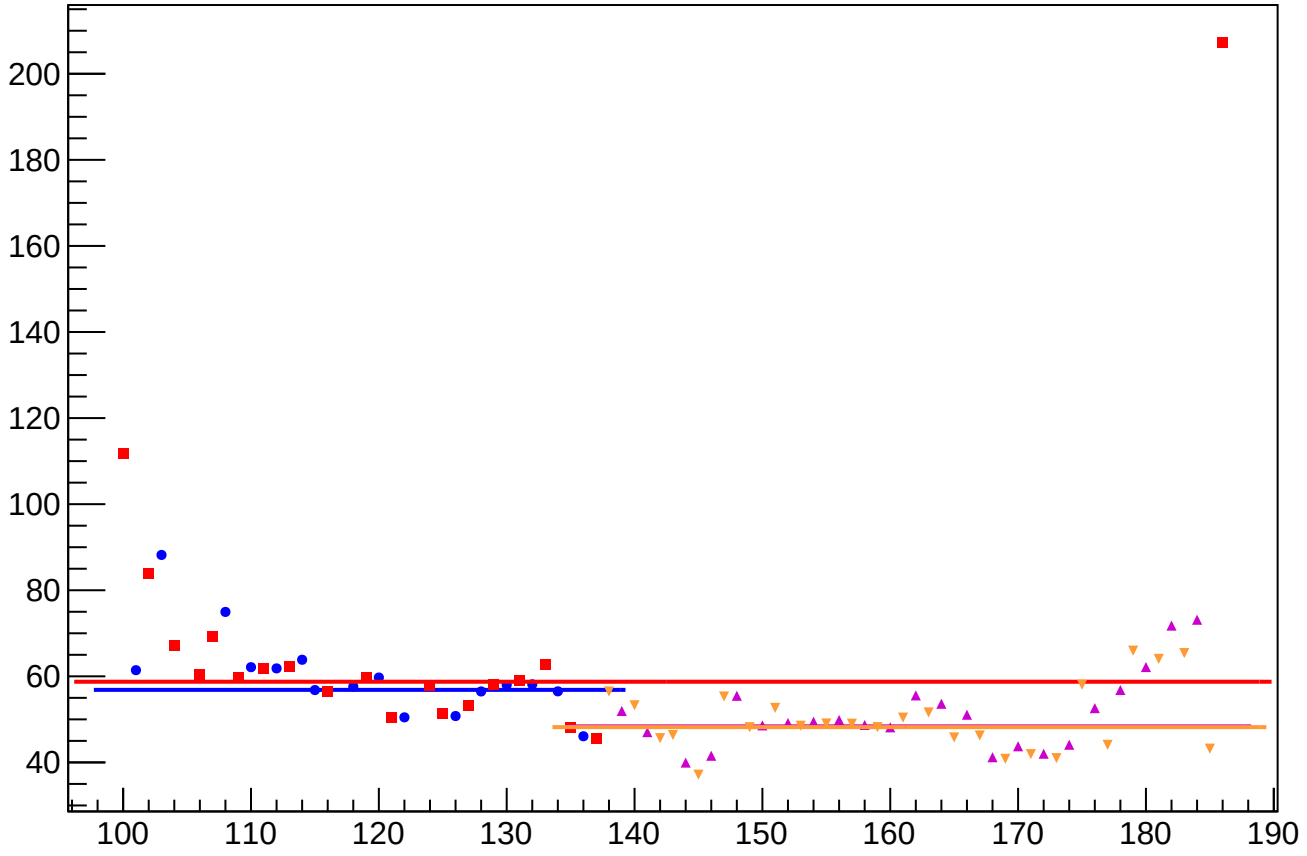
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -11.311+/-9.874 χ^2/NDF: 68.2/40

All: 2.601+/-7.071 χ^2/NDF: 120.7/83

- sign 17.241+/-10.129 χ^2/NDF: 48.4/42

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

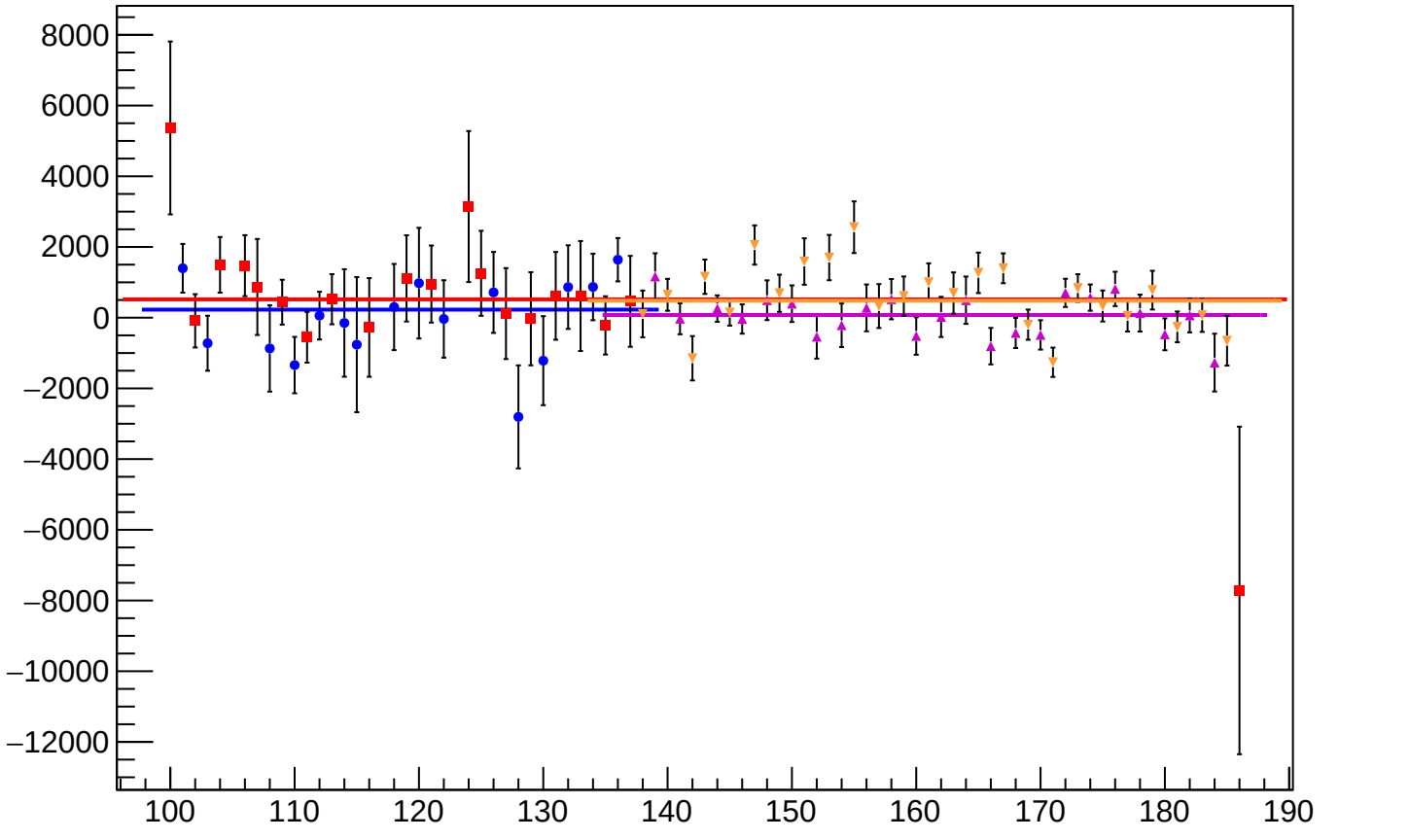
Right Out: 58.742+/-0.015 χ^2/NDF: 715292.8/19

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.028+/-0.007 χ^2/NDF: 1378137.4/40

All: 50.337+/-0.005 χ^2/NDF: 3152188.2/83

- sign 50.662+/-0.007 χ^2/NDF: 1770033.3/42



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 518.042+/-228.476 χ^2/NDF: 16.5/19

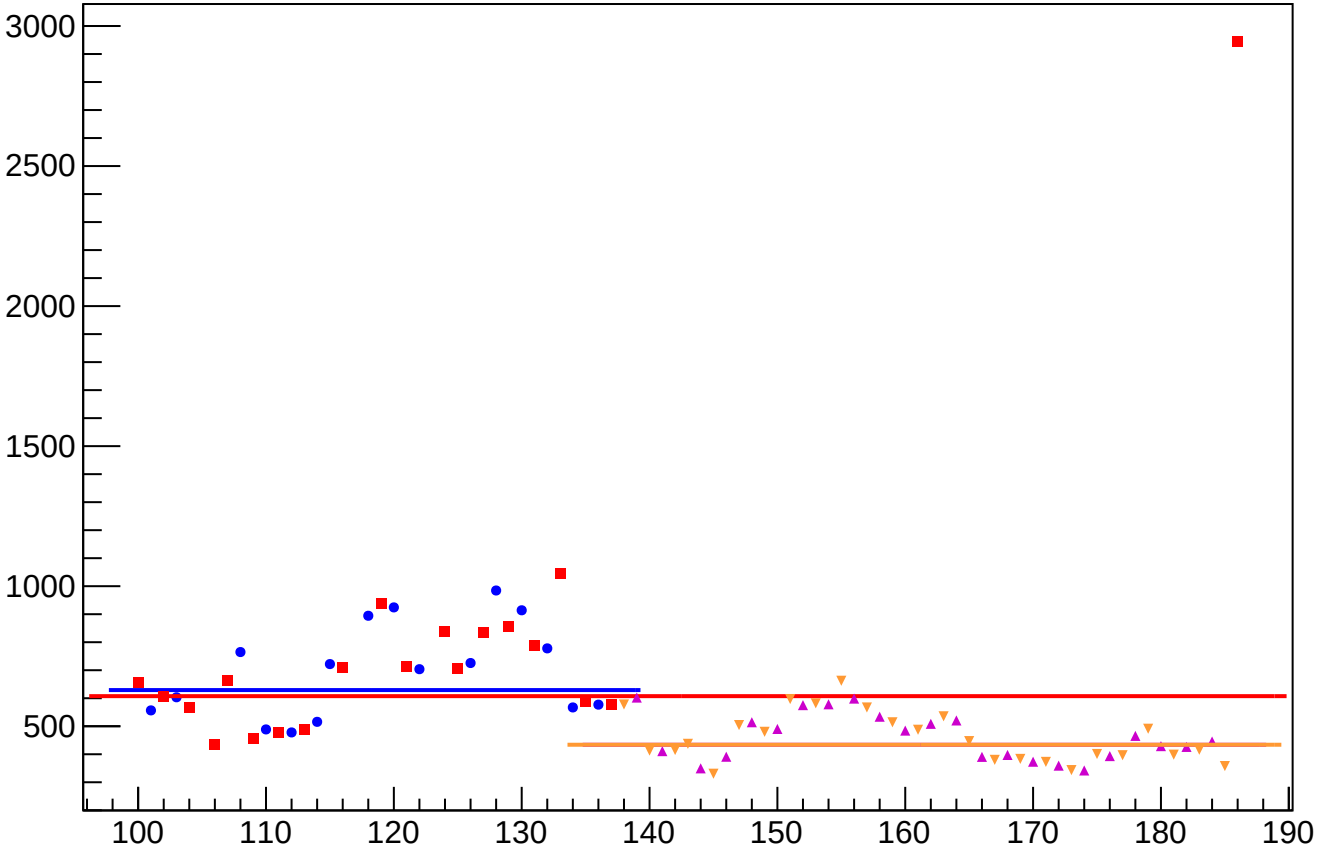
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 442.825+/-92.791 χ^2/NDF: 91.8/40

All: 298.569+/-66.035 χ^2/NDF: 140.8/83

- sign 150.540+/-93.996 χ^2/NDF: 44.1/42

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 607.418+/-0.162 χ^2/NDF: 1384176.7/19

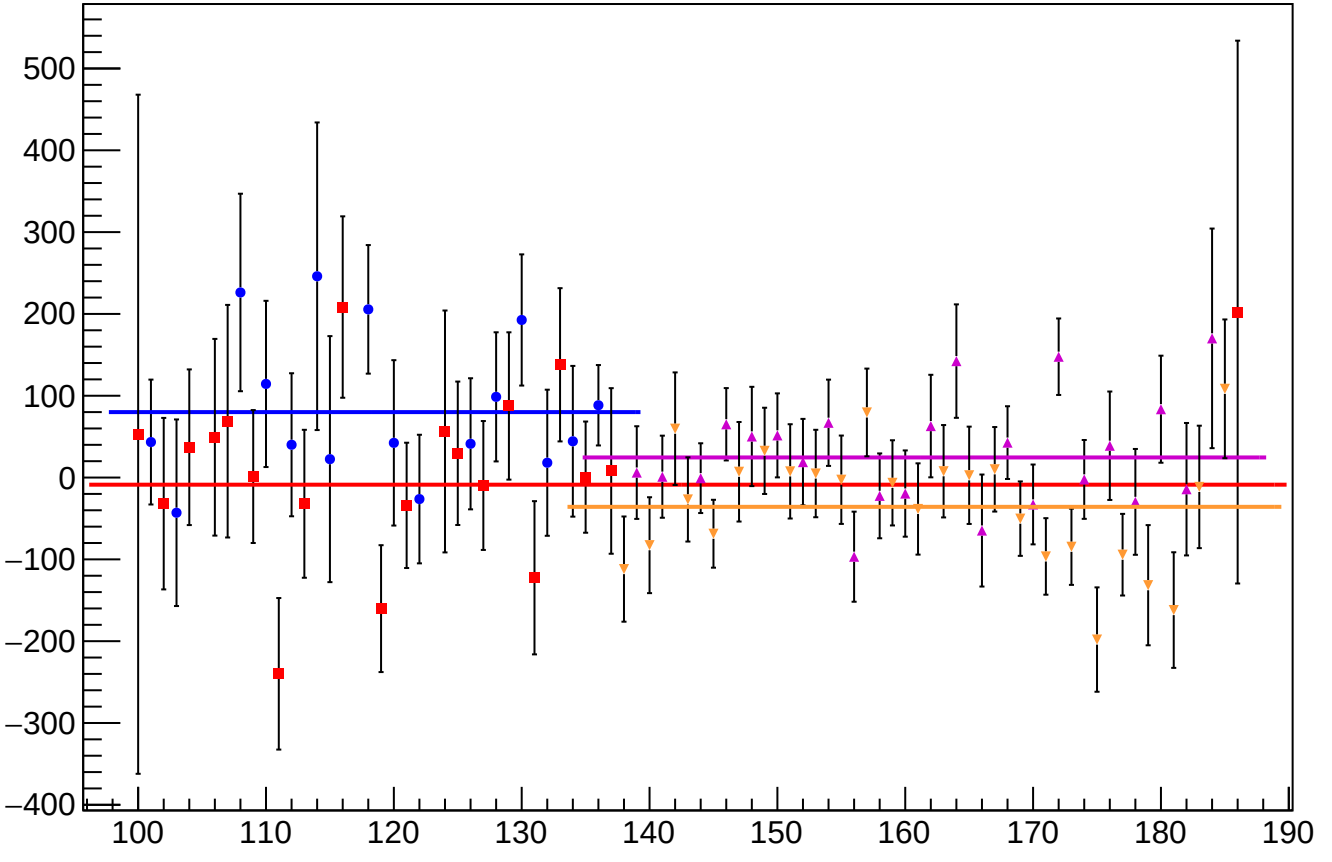
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 462.821+/-0.066 χ^2/NDF: 3051732.4/40

All: 462.969+/-0.047 χ^2/NDF: 6490987.8/83

- sign 463.121+/-0.066 χ^2/NDF: 3439245.1/42

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -8.722+/-21.585 χ^2/NDF: 20.8/19

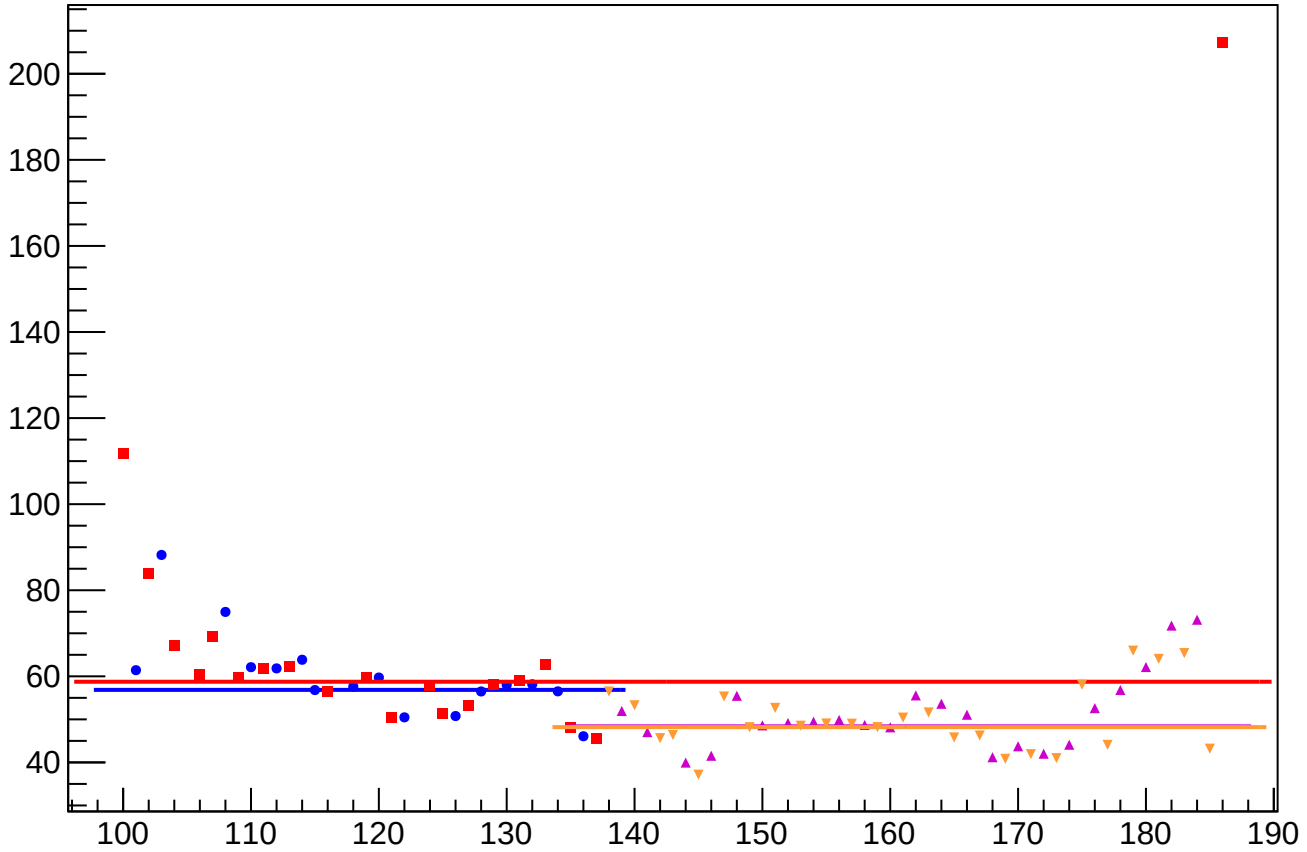
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -11.311+/-9.874 χ^2/NDF: 68.2/40

All: 2.601+/-7.071 χ^2/NDF: 120.7/83

- sign 17.241+/-10.129 χ^2/NDF: 48.4/42

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

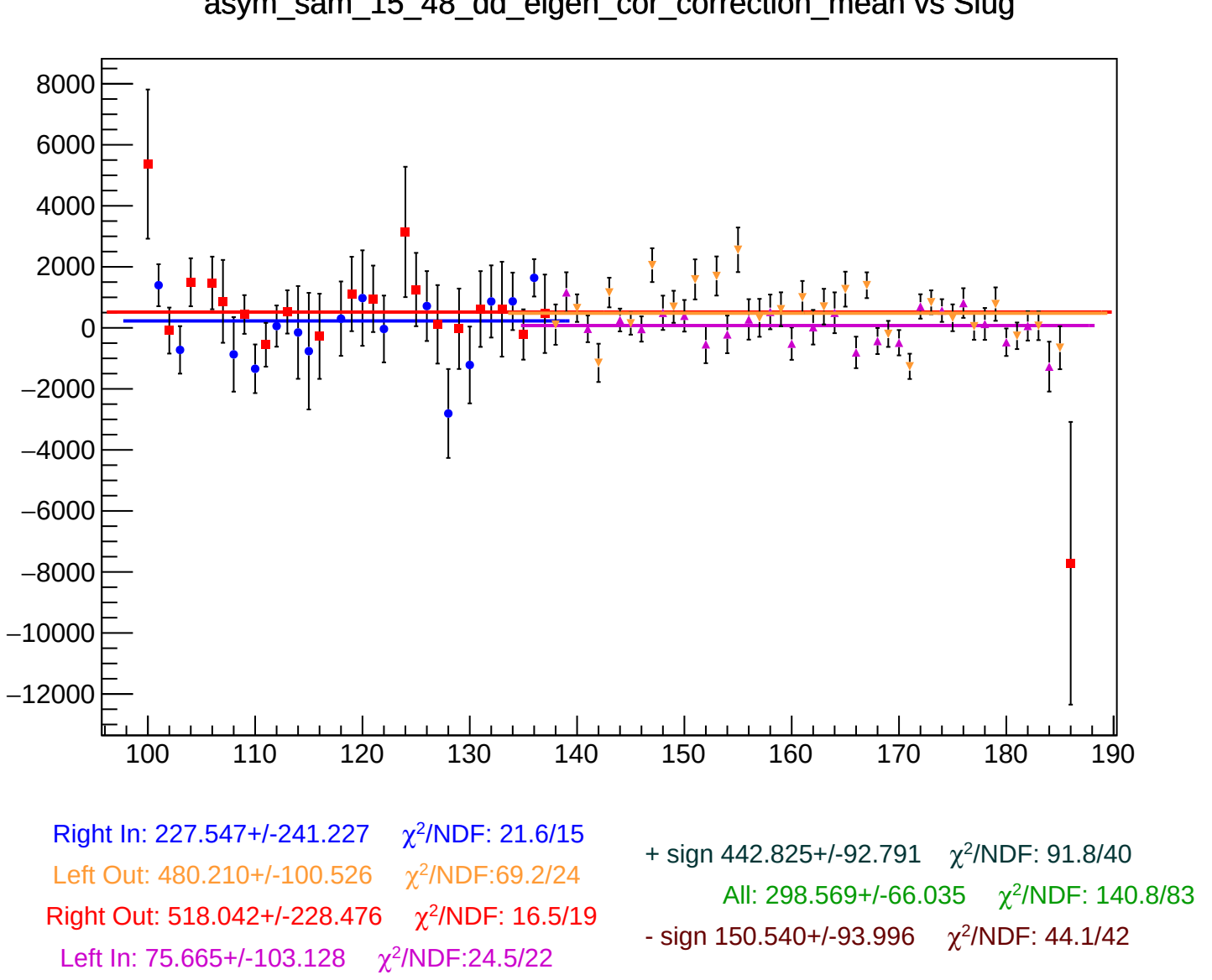
Right Out: 58.742+/-0.015 χ^2/NDF: 715292.8/19

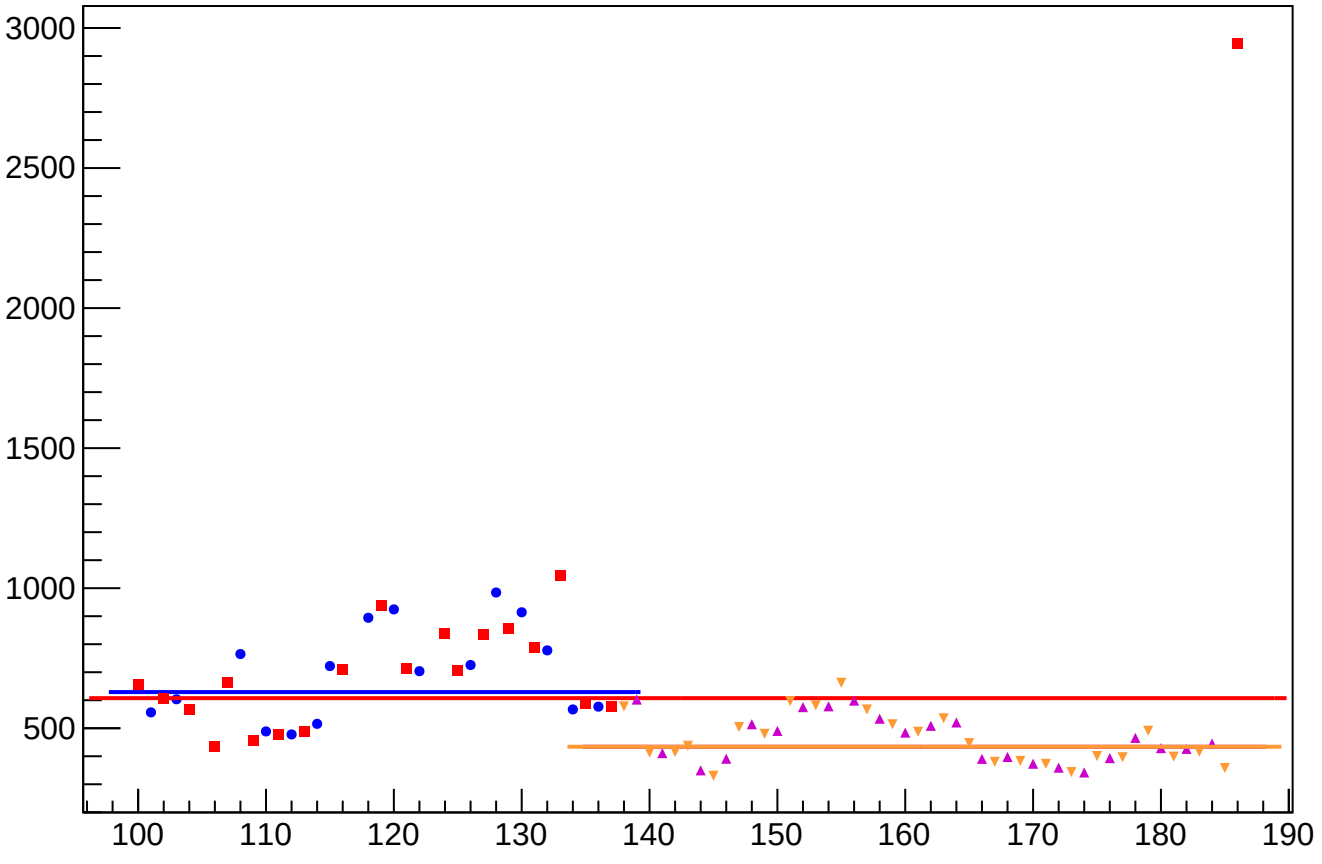
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.028+/-0.007 χ^2/NDF: 1378137.4/40

All: 50.337+/-0.005 χ^2/NDF: 3152188.2/83

- 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: 227.547+/-241.227 χ²/NDF: 21.6/15
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 442.825+/-92.791 χ²/NDF: 91.8/40
All: 298.569+/-66.035 χ²/NDF: 140.8/83
- sign 150.540+/-93.996 χ²/NDF: 44.1/42



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 607.418+/-0.162 χ^2/NDF: 1384176.7/19

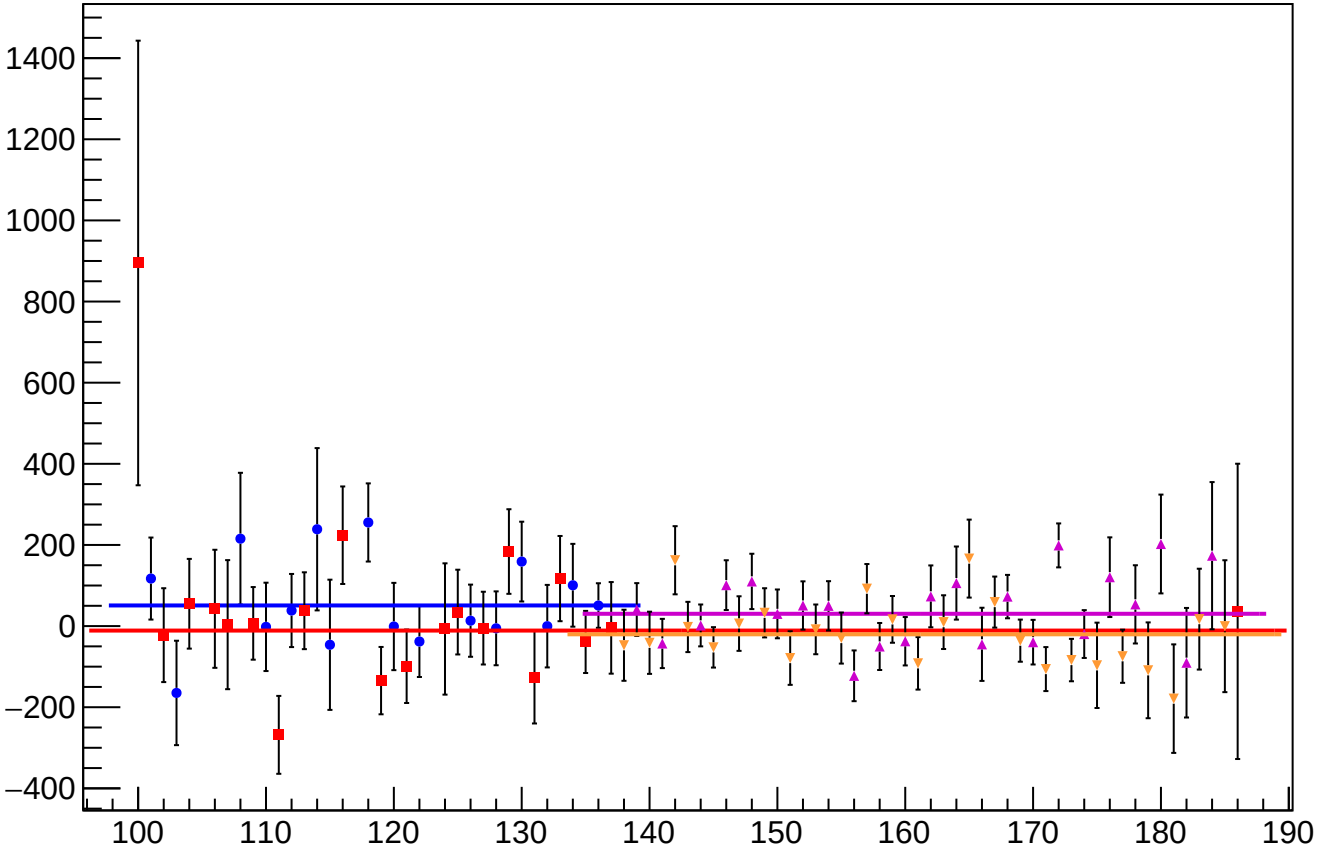
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

\+ sign 462.821+/-0.066 χ^2/NDF: 3051732.4/40

All: 462.969+/-0.047 χ^2/NDF: 6490987.8/83

\- sign 463.121+/-0.066 χ^2/NDF: 3439245.1/42

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -11.050+/-24.270 χ^2/NDF: 24.0/19

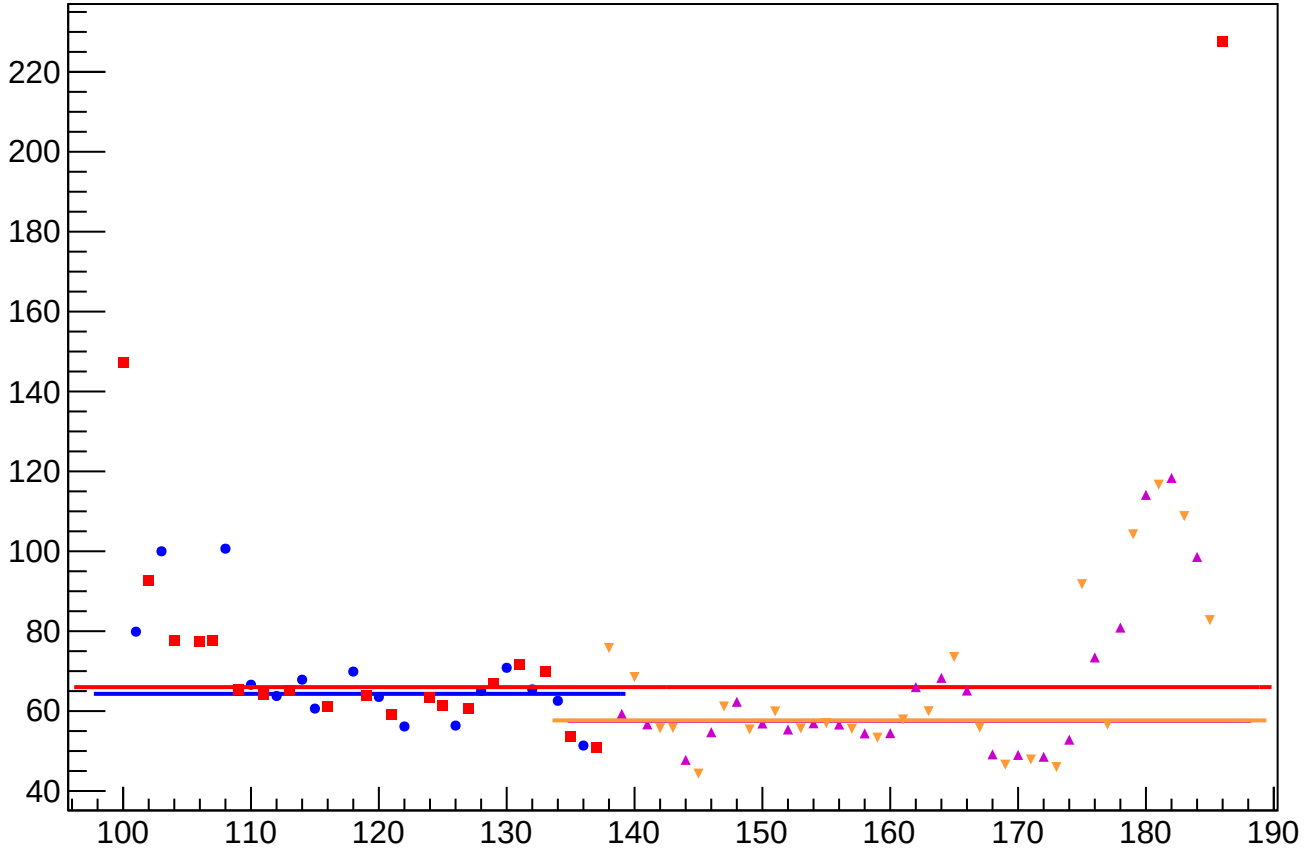
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -3.438+/-11.914 χ^2/NDF: 45.4/40

All: 8.093+/-8.494 χ^2/NDF: 106.1/83

- sign 20.013+/-12.113 χ^2/NDF: 58.8/42

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 65.999+/-0.017 χ^2/NDF: 715004.8/19

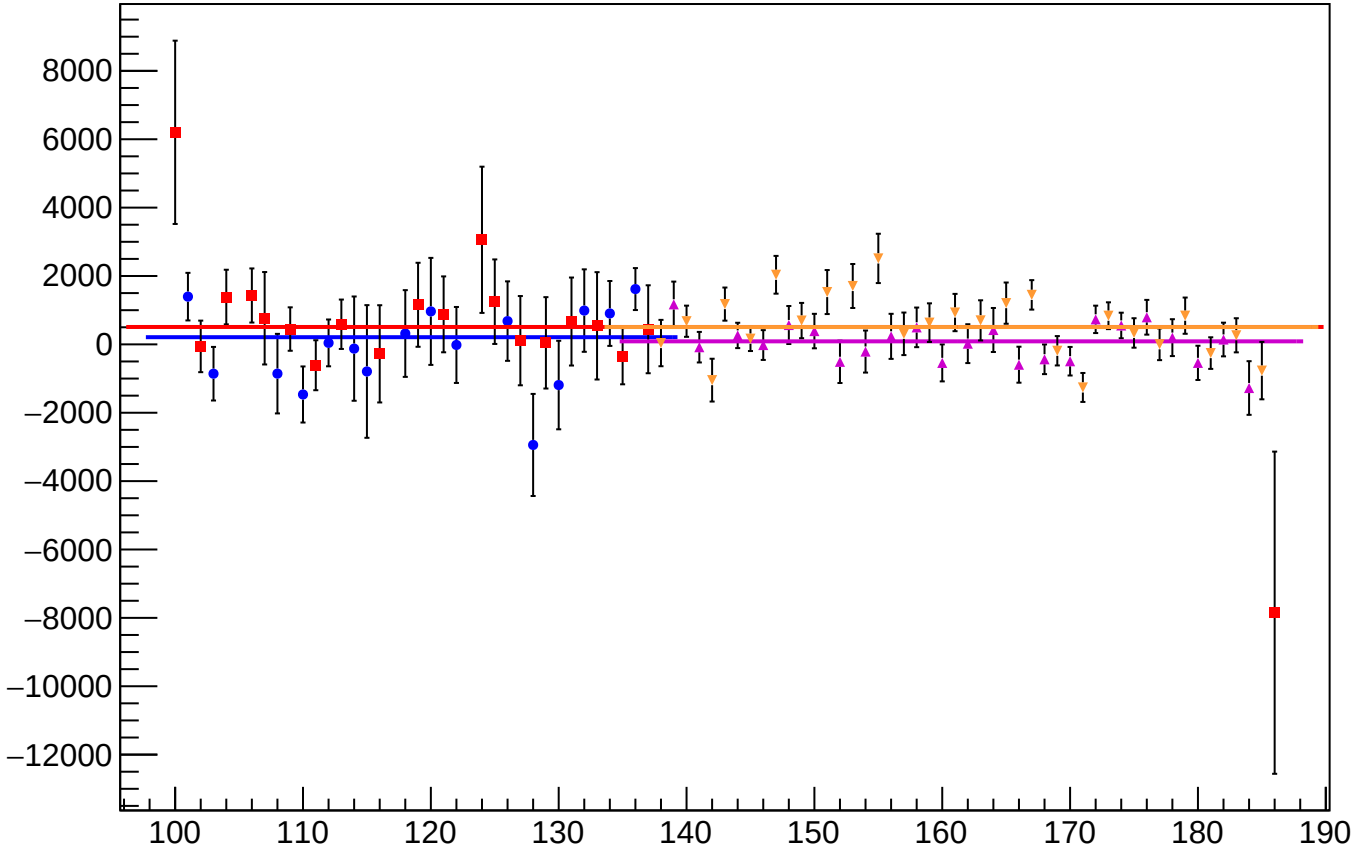
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 59.241+/-0.008 χ^2/NDF: 2487204.6/40

All: 59.441+/-0.006 χ^2/NDF: 4829090.8/83

- sign 59.647+/-0.009 χ^2/NDF: 2340748.4/42

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 508.818+/-229.406 χ^2/NDF: 17.0/19

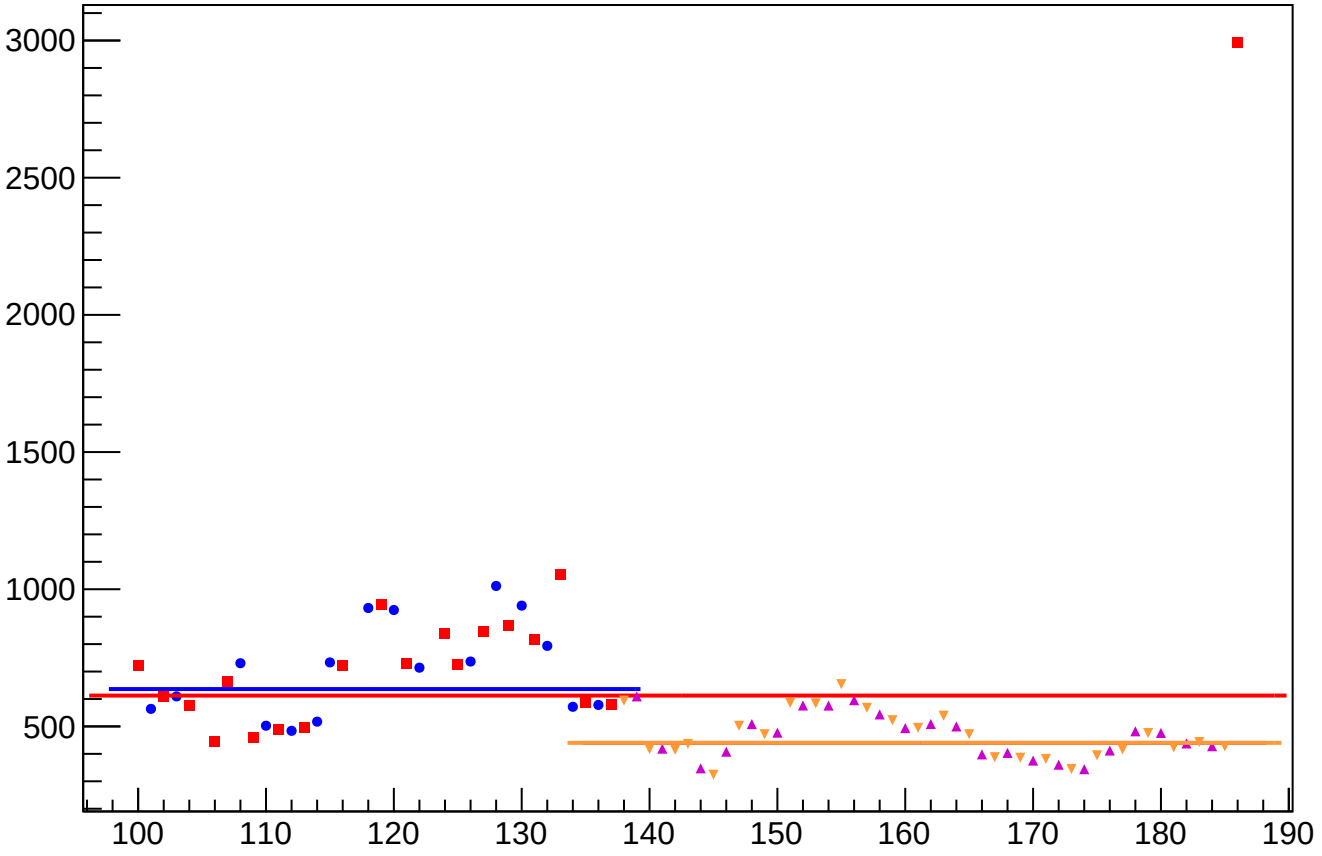
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 463.070+/-93.921 χ^2/NDF: 89.5/40

All: 313.844+/-66.835 χ^2/NDF: 137.7/83

- sign 160.753+/-95.130 χ^2/NDF: 43.0/42

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 612.457+/-0.162 χ^2/NDF: 1405310.5/19

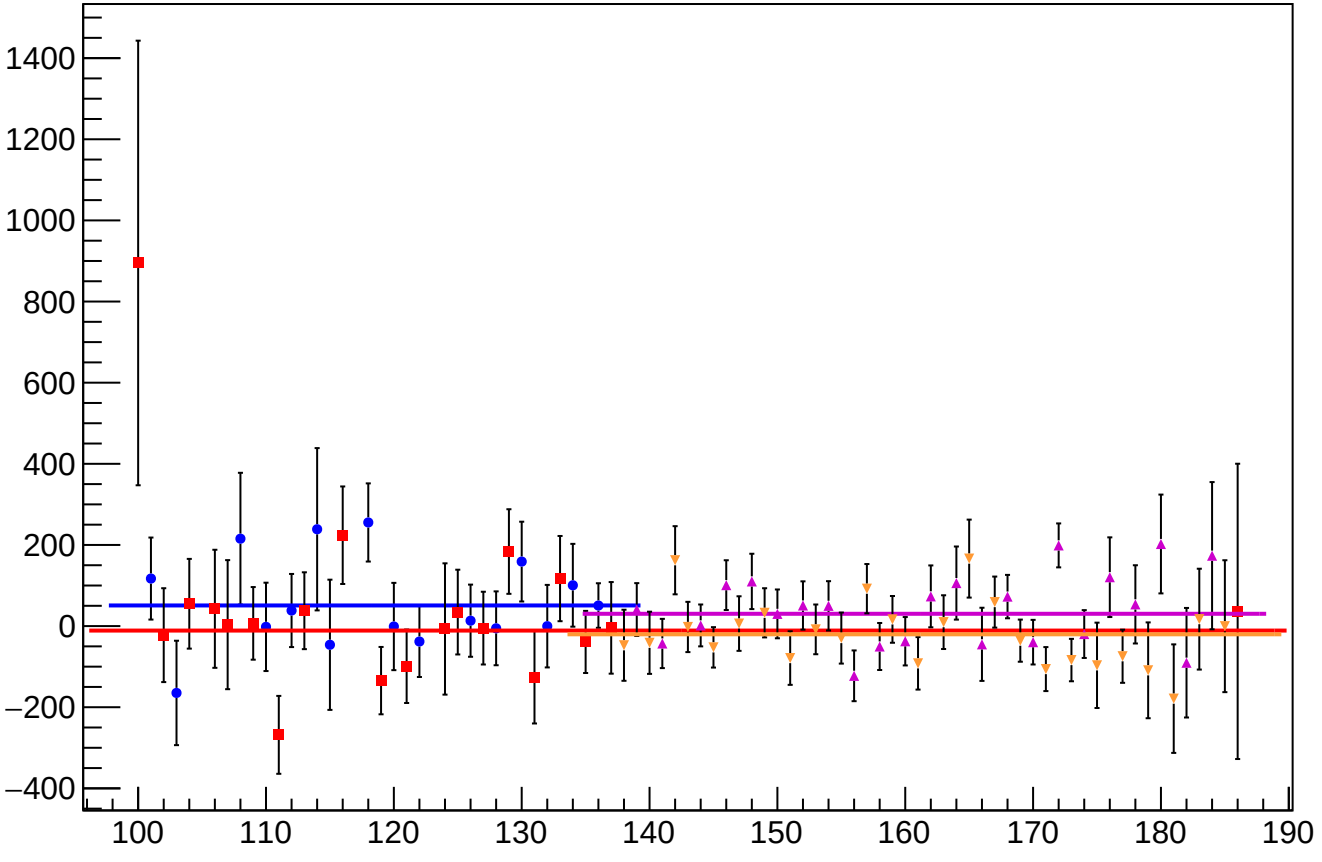
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 469.174+/-0.066 χ^2/NDF: 3003810.7/40

All: 469.361+/-0.047 χ^2/NDF: 6408294.9/83

- sign 469.553+/-0.067 χ^2/NDF: 3404468.1/42

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -11.049+/-24.270 χ^2/NDF: 24.0/19

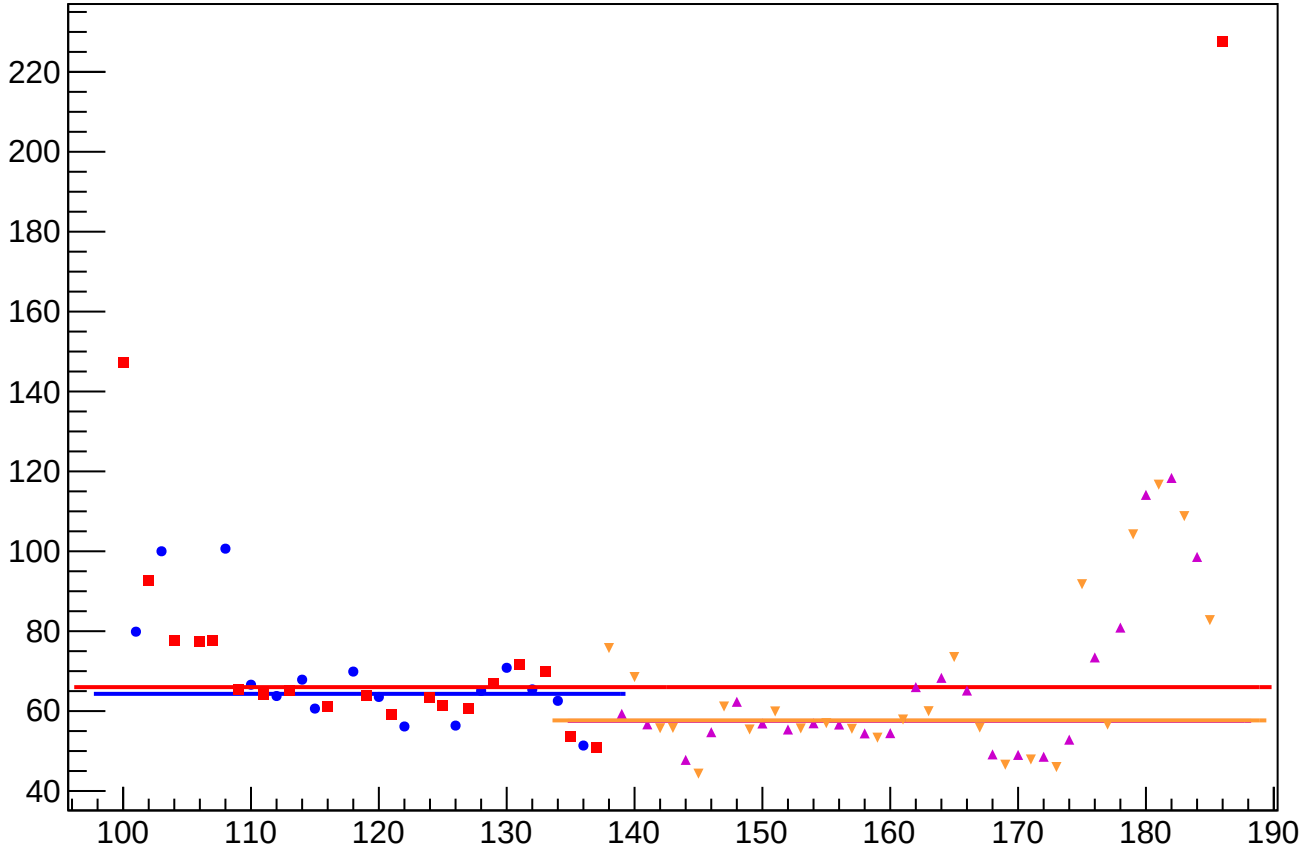
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -3.439+/-11.914 χ^2/NDF: 45.4/40

All: 8.093+/-8.494 χ^2/NDF: 106.1/83

- sign 20.014+/-12.113 χ^2/NDF: 58.8/42

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

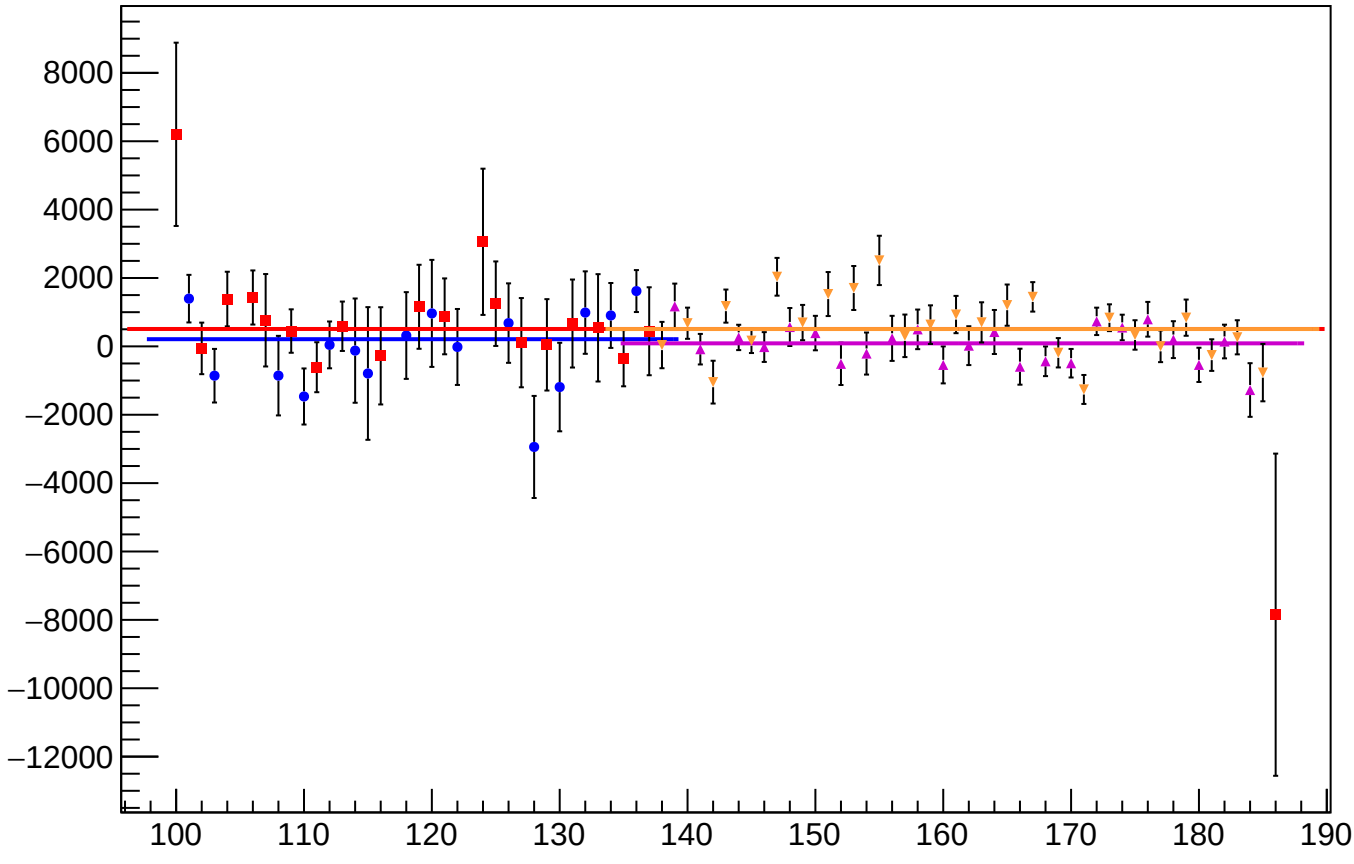
Right Out: 65.999+/-0.017 χ^2/NDF: 715012.4/19

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 59.242+/-0.008 χ^2/NDF: 2487192.4/40

All: 59.441+/-0.006 χ^2/NDF: 4829060.1/83

- sign 59.647+/-0.009 χ^2/NDF: 2340730.4/42



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

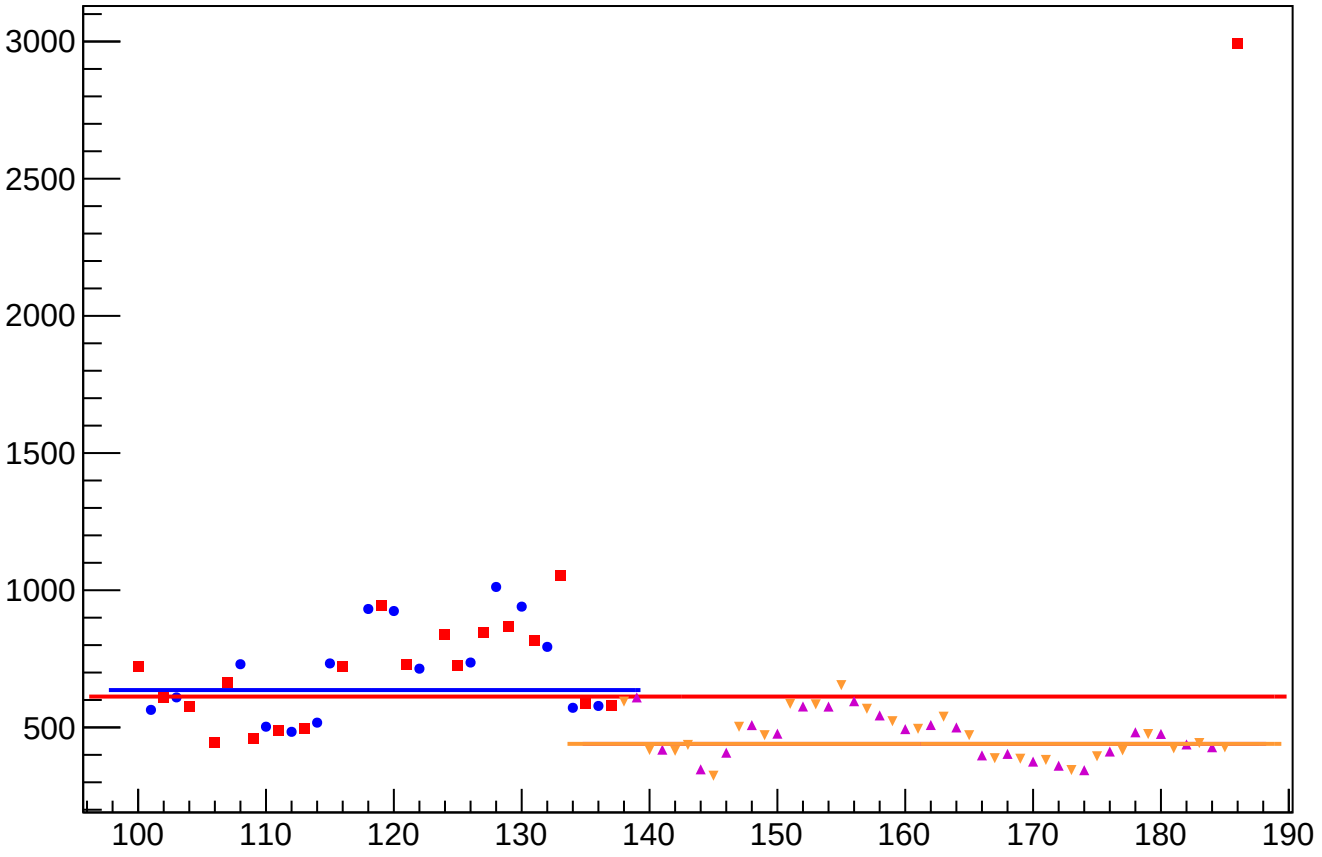
Right Out: 508.818+/-229.406 χ^2/NDF: 17.0/19

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

+ sign 463.069+/-93.921 χ^2/NDF: 89.5/40

All: 313.844+/-66.835 χ^2/NDF: 137.7/83

- sign 160.753+/-95.129 χ^2/NDF: 43.0/42



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 612.457+/-0.162 χ^2/NDF: 1405313.3/19

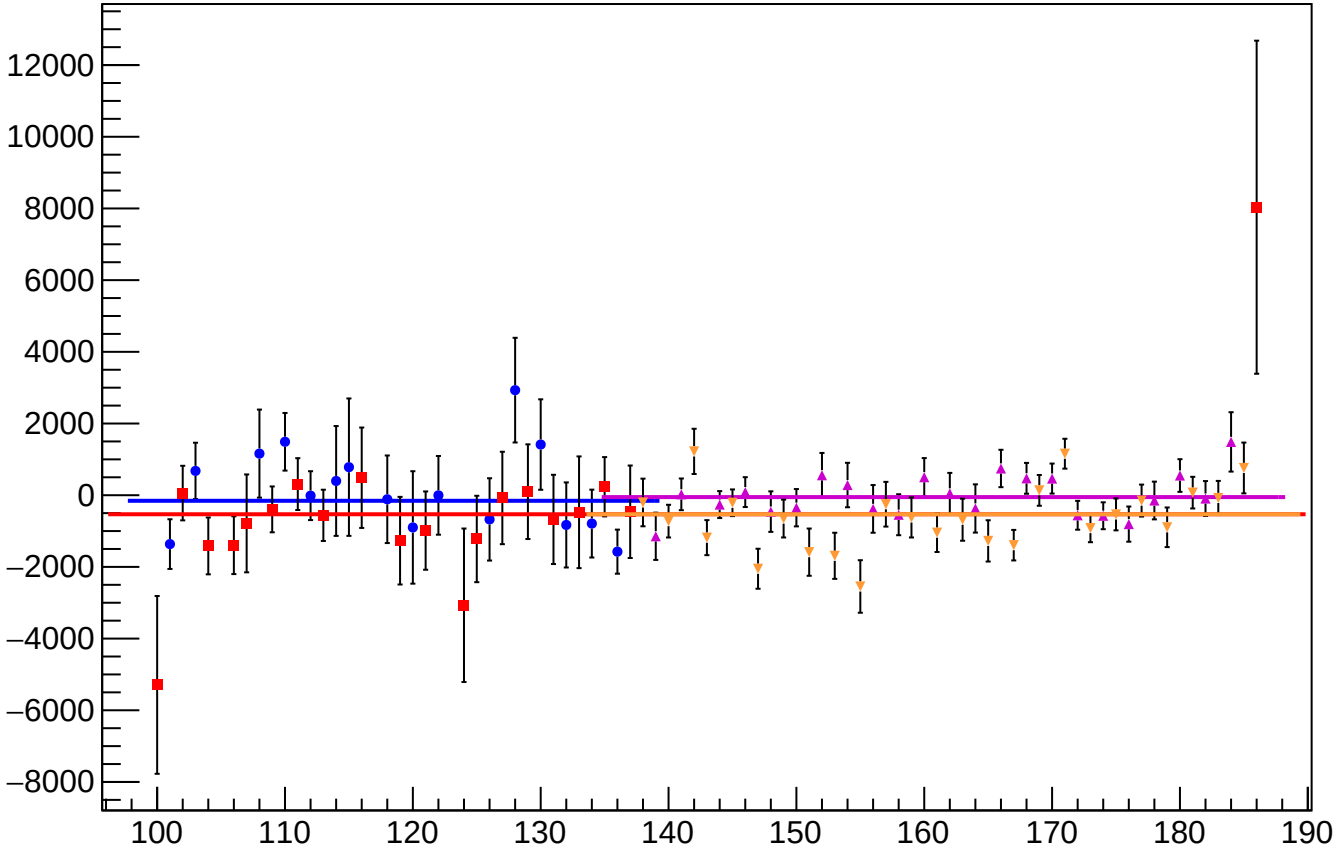
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

\+ sign 469.173+/-0.066 χ^2/NDF: 3003828.5/40

All: 469.360+/-0.047 χ^2/NDF: 6408329.4/83

\- sign 469.552+/-0.067 χ^2/NDF: 3404484.8/42

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -531.386+/-228.613 χ^2/NDF: 15.5/19

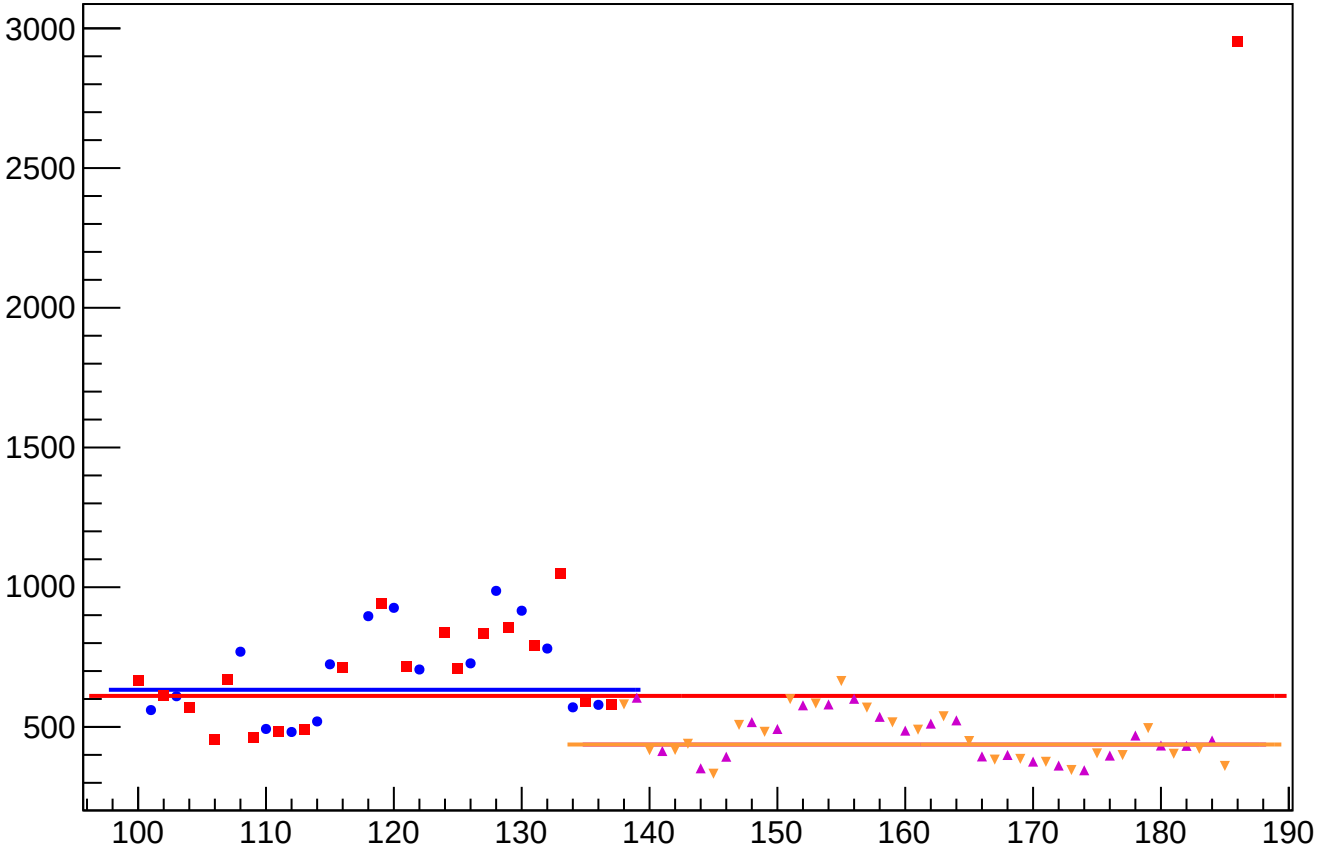
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -475.806+/-93.435 χ^2/NDF: 90.1/40

All: -307.202+/-66.465 χ^2/NDF: 139.9/83

- sign -134.487+/-94.567 χ^2/NDF: 43.3/42

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

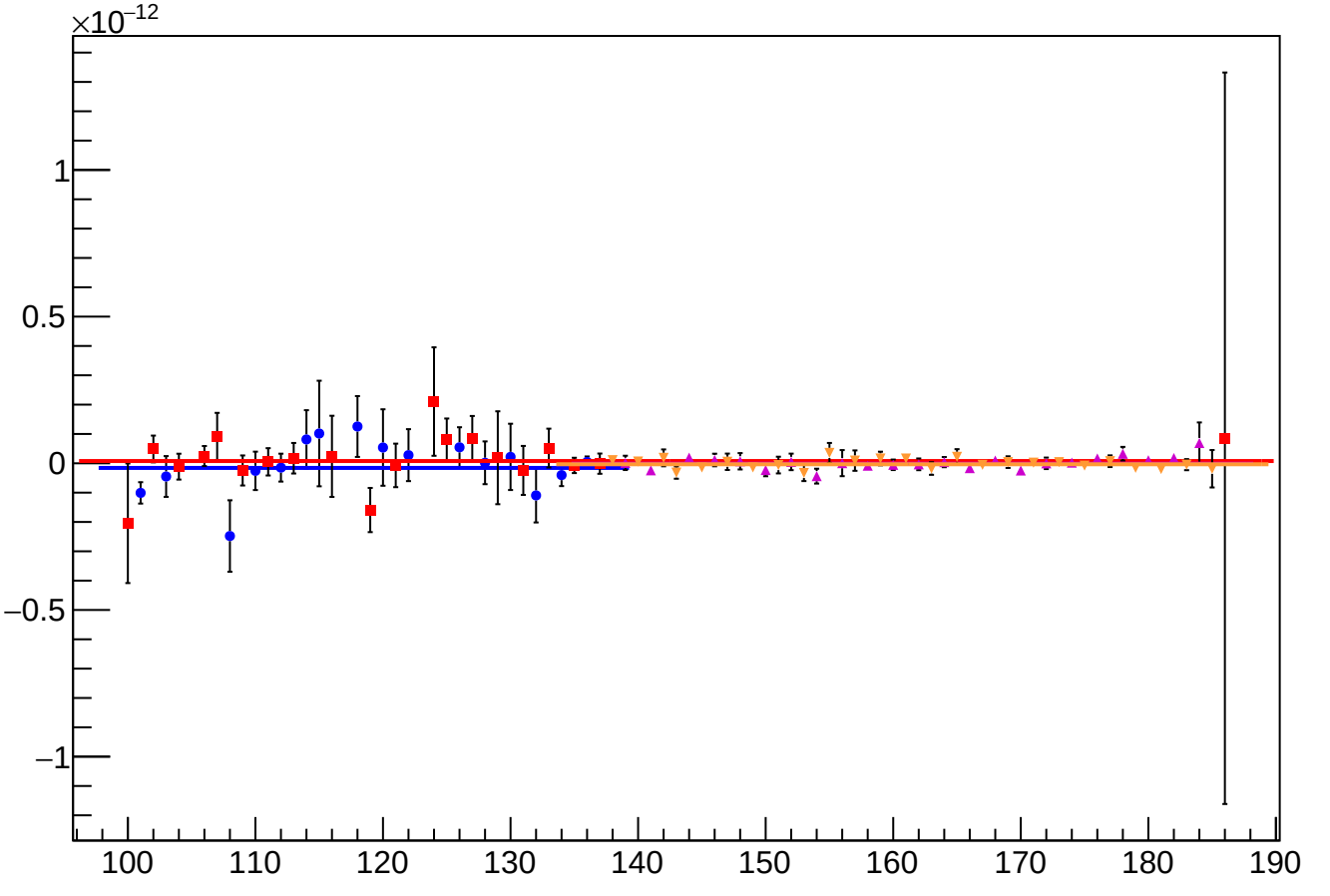
Right Out: 611.056+/-0.162 χ^2/NDF: 1363222.7/19

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 466.203+/-0.066 χ^2/NDF: 3018280.3/40

All: 466.464+/-0.047 χ^2/NDF: 6423223.8/83

- sign 466.731+/-0.067 χ^2/NDF: 3404911.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/19

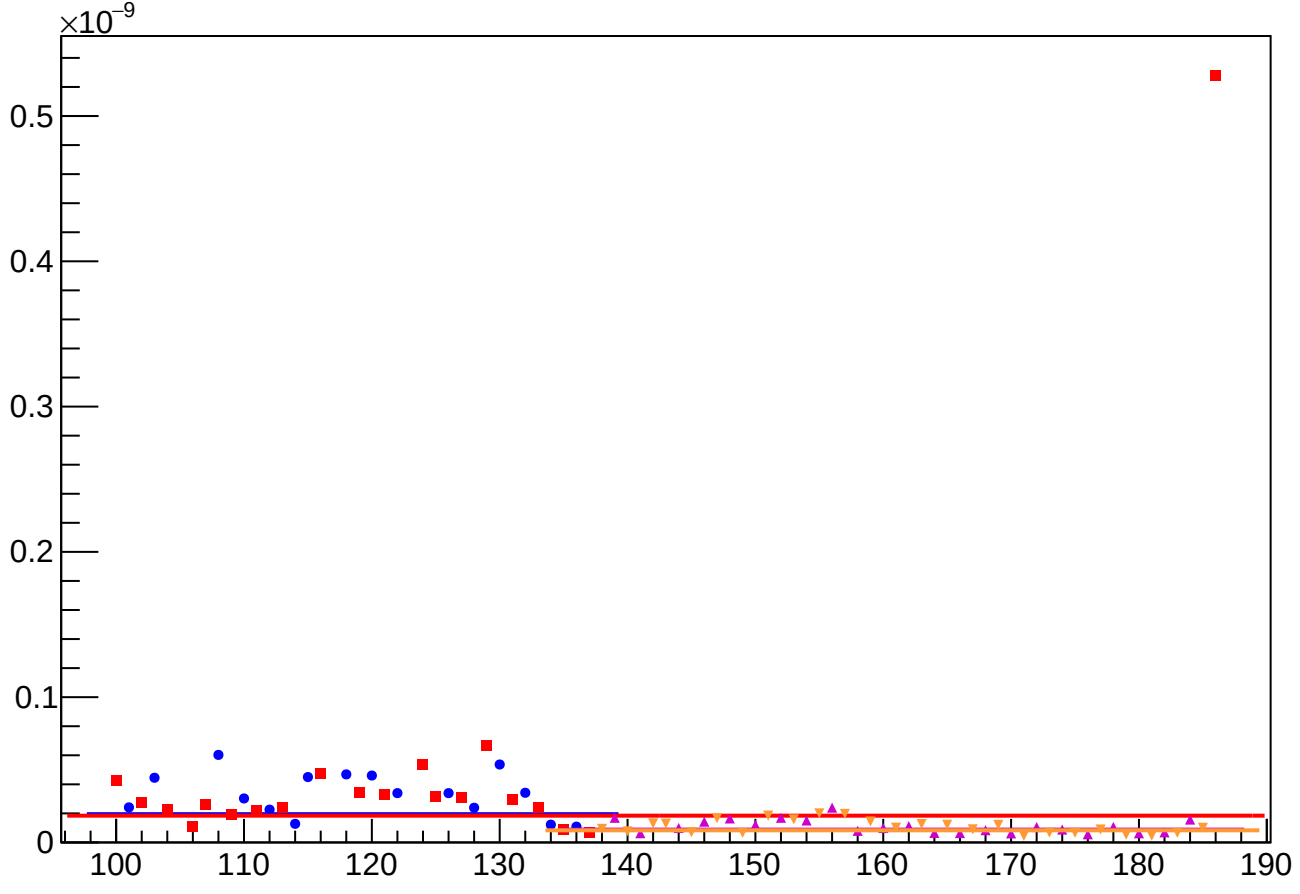
Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.2/40

All: -0.000+/-0.000 χ^2/NDF: 68.2/83

- 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: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1778837.4/19

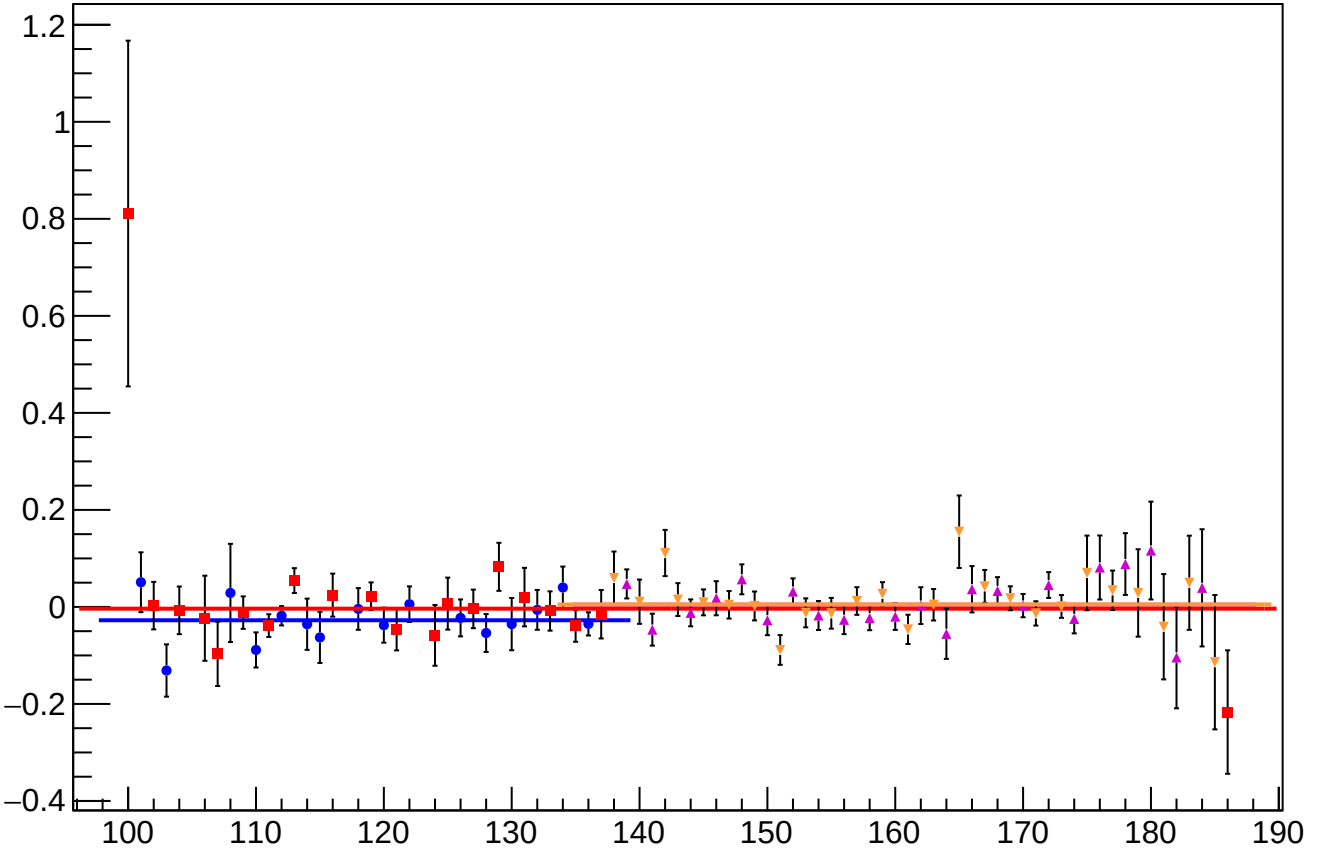
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5389770.8/40

All: 0.000+/-0.000 χ^2/NDF: 9978988.9/83

- 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: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.004+/-0.009 χ^2/NDF: 24.9/19

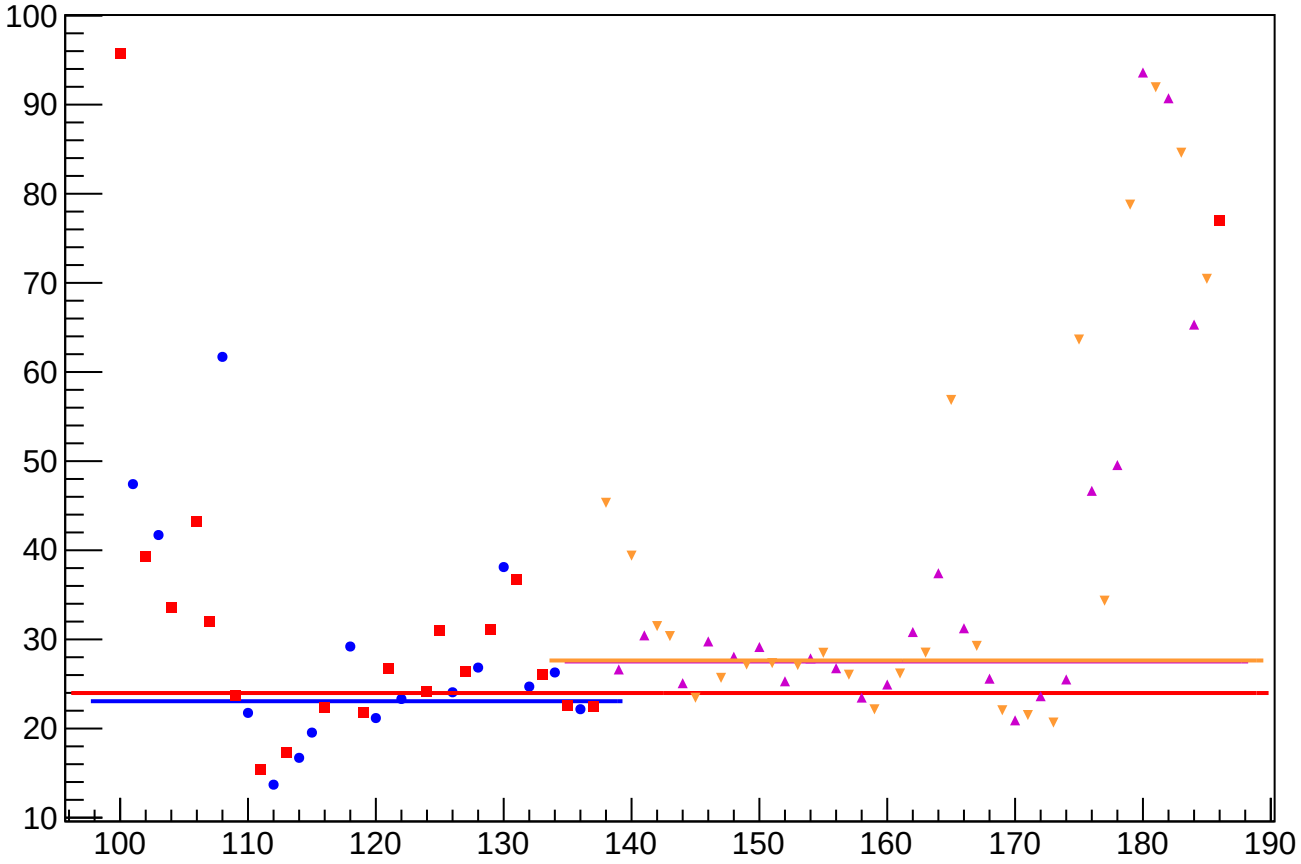
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.006 χ^2/NDF: 49.9/40

All: -0.002+/-0.004 χ^2/NDF: 101.5/83

- 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: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

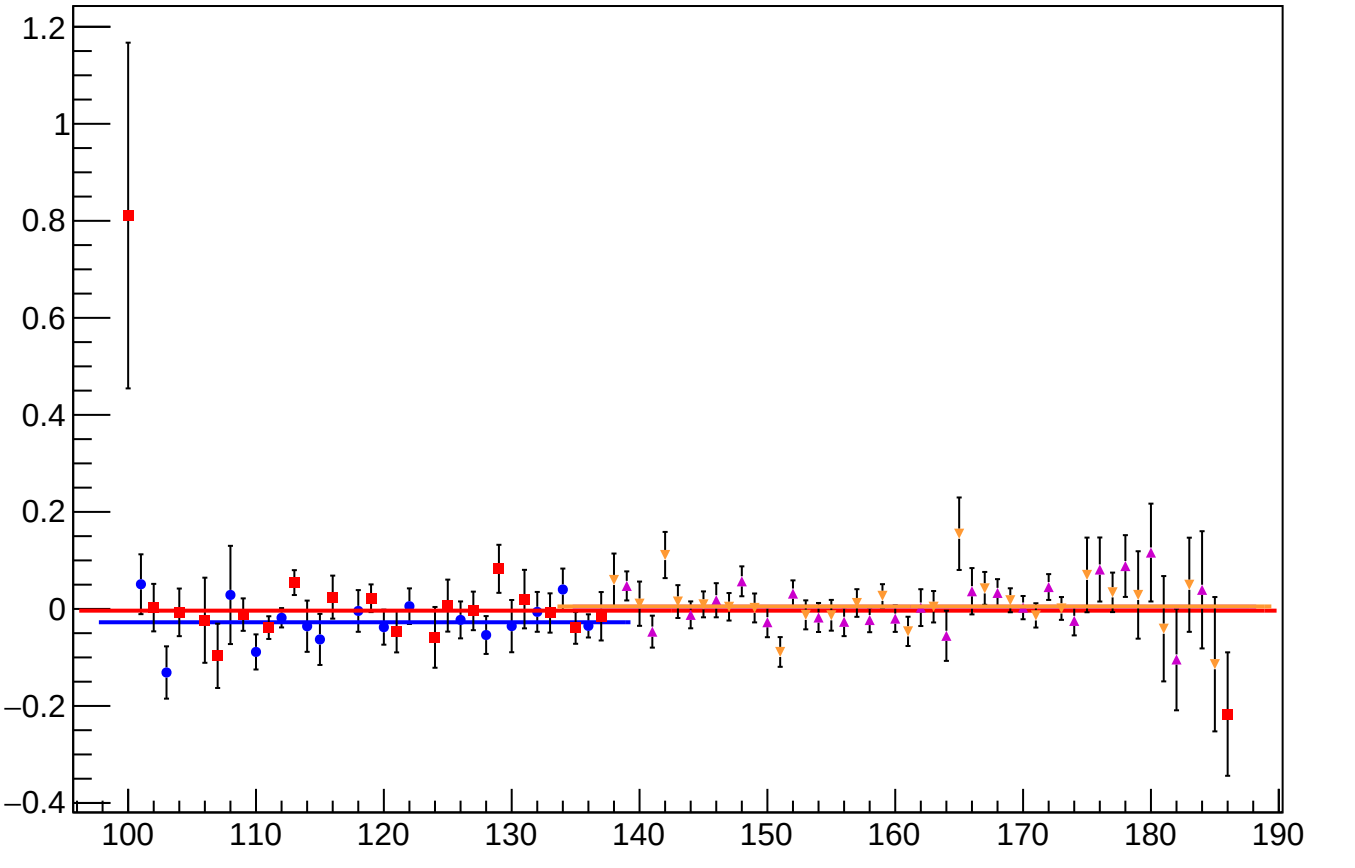
Right Out: 23.985+/-0.007 χ^2/NDF: 1437439.3/19

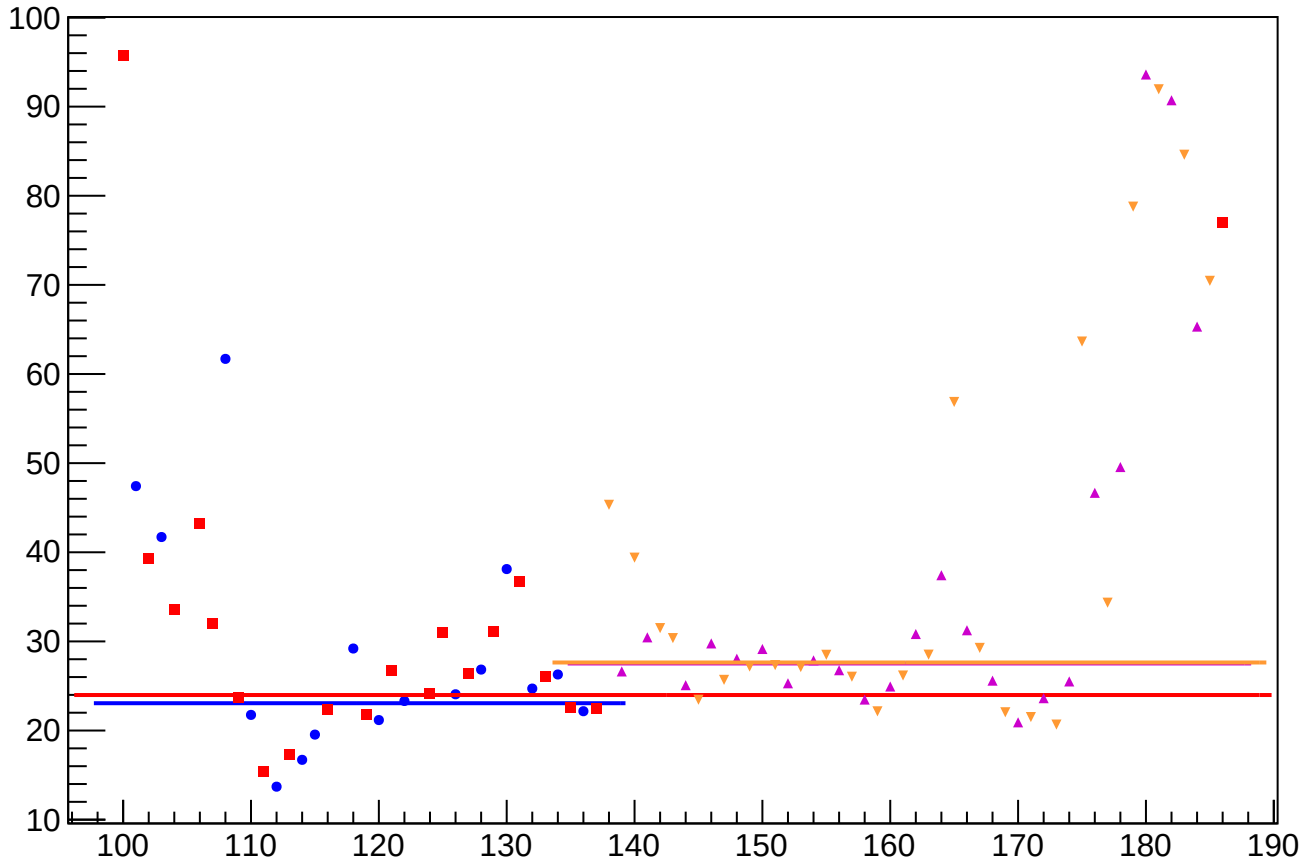
Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.049+/-0.004 χ^2/NDF: 5847511.3/40

All: 26.145+/-0.003 χ^2/NDF: 10106791.7/83

- 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: -0.027+/-0.009 χ²/NDF: 13.7/15
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: 49.9/40
All: -0.002+/-0.004 χ²/NDF: 101.5/83
- sign 0.002+/-0.006 χ²/NDF: 50.5/42



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

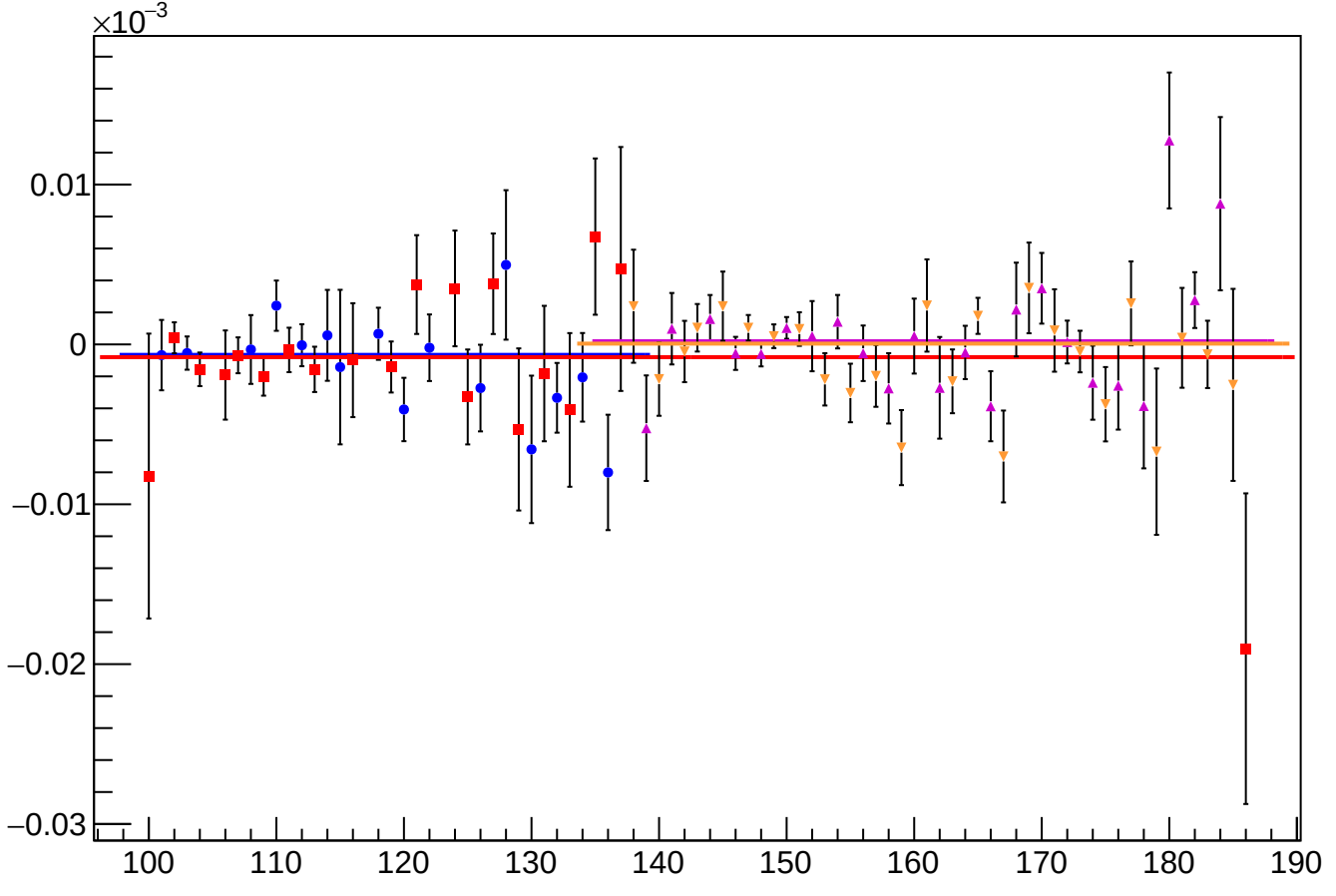
Right Out: 23.985+/-0.007 χ^2/NDF: 1437439.3/19

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.049+/-0.004 χ^2/NDF: 5847511.3/40

All: 26.145+/-0.003 χ^2/NDF: 10106791.7/83

- sign 26.243+/-0.004 χ^2/NDF: 4258066.4/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

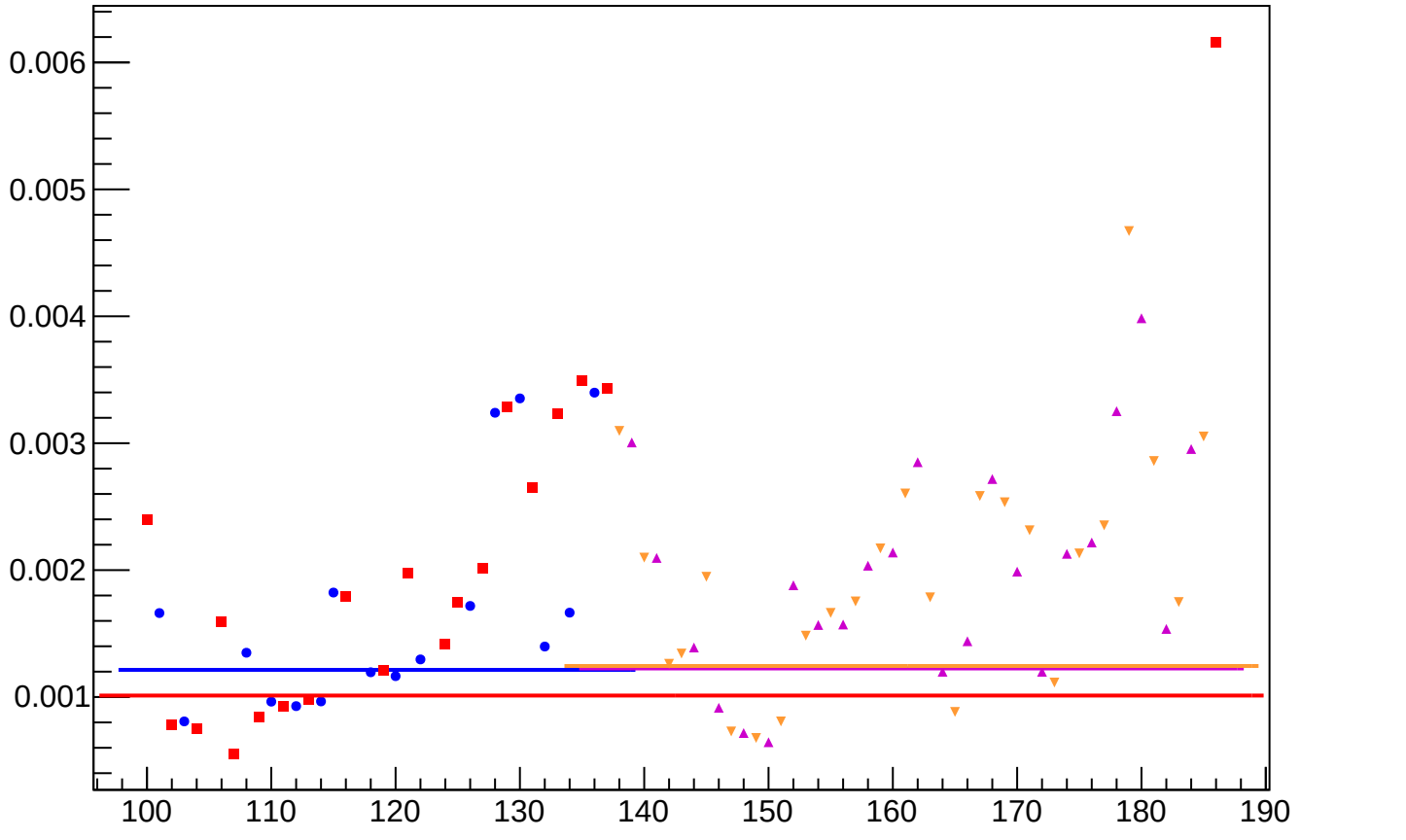
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/19

Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.0/40

All: -0.000+/-0.000 χ^2/NDF: 111.4/83

- sign -0.000+/-0.000 χ^2/NDF: 55.4/42



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

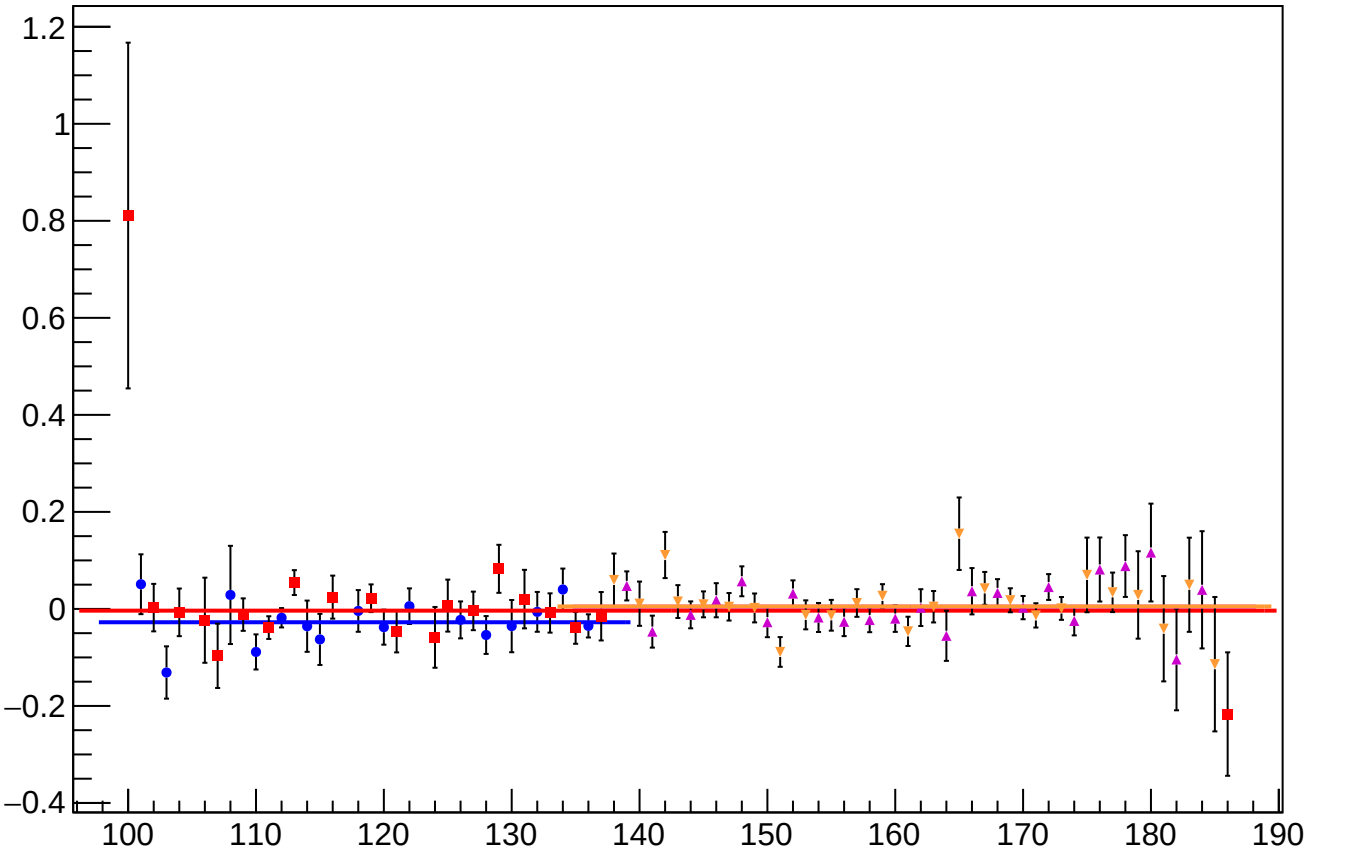
Right Out: 0.001+/-0.000 χ^2/NDF: 3839383.2/19

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 10613675.4/40

All: 0.001+/-0.000 χ^2/NDF: 22716194.5/83

- sign 0.001+/-0.000 χ^2/NDF: 11981843.0/42



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

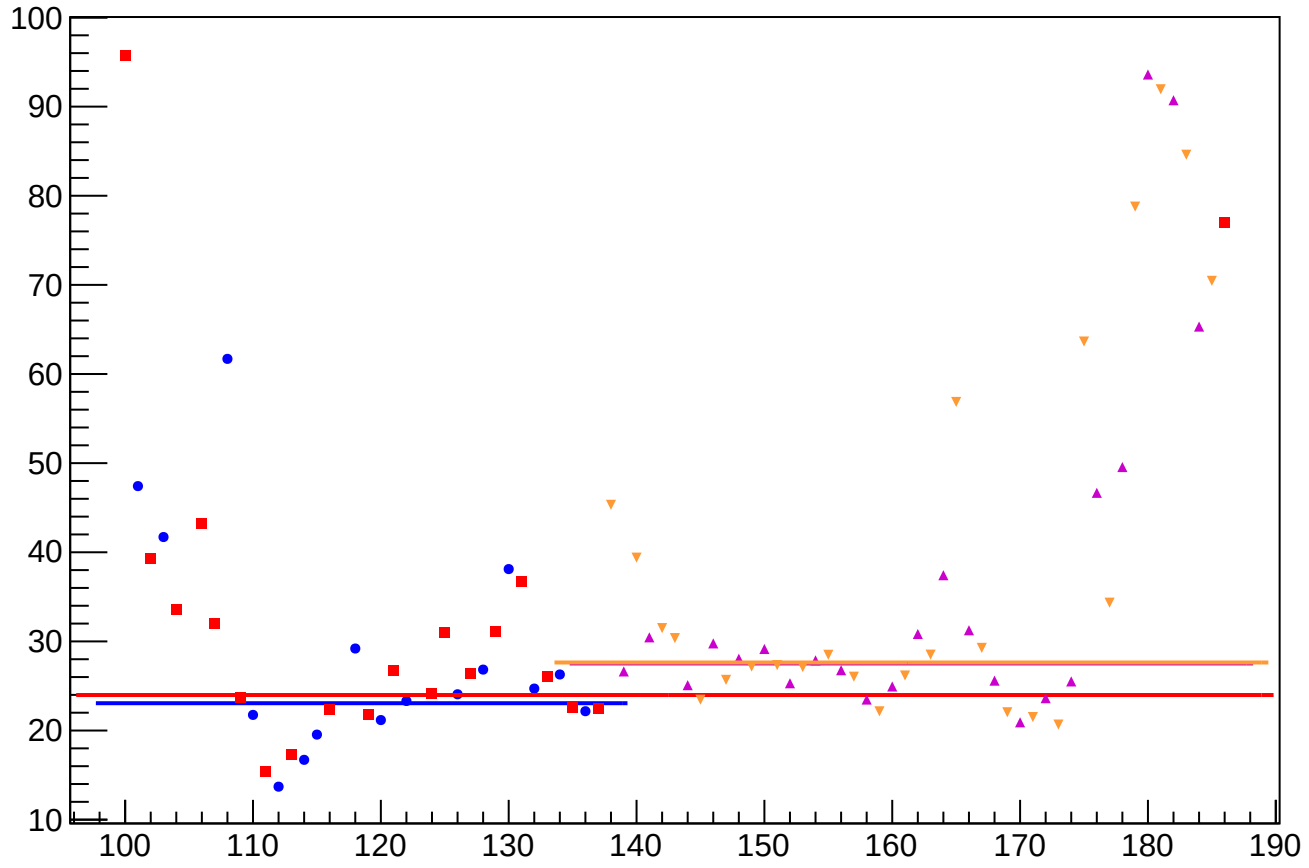
Right Out: -0.004+/-0.009 χ^2/NDF: 24.9/19

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.006 χ^2/NDF: 49.9/40

All: -0.002+/-0.004 χ^2/NDF: 101.5/83

- sign 0.002+/-0.006 χ^2/NDF: 50.5/42



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

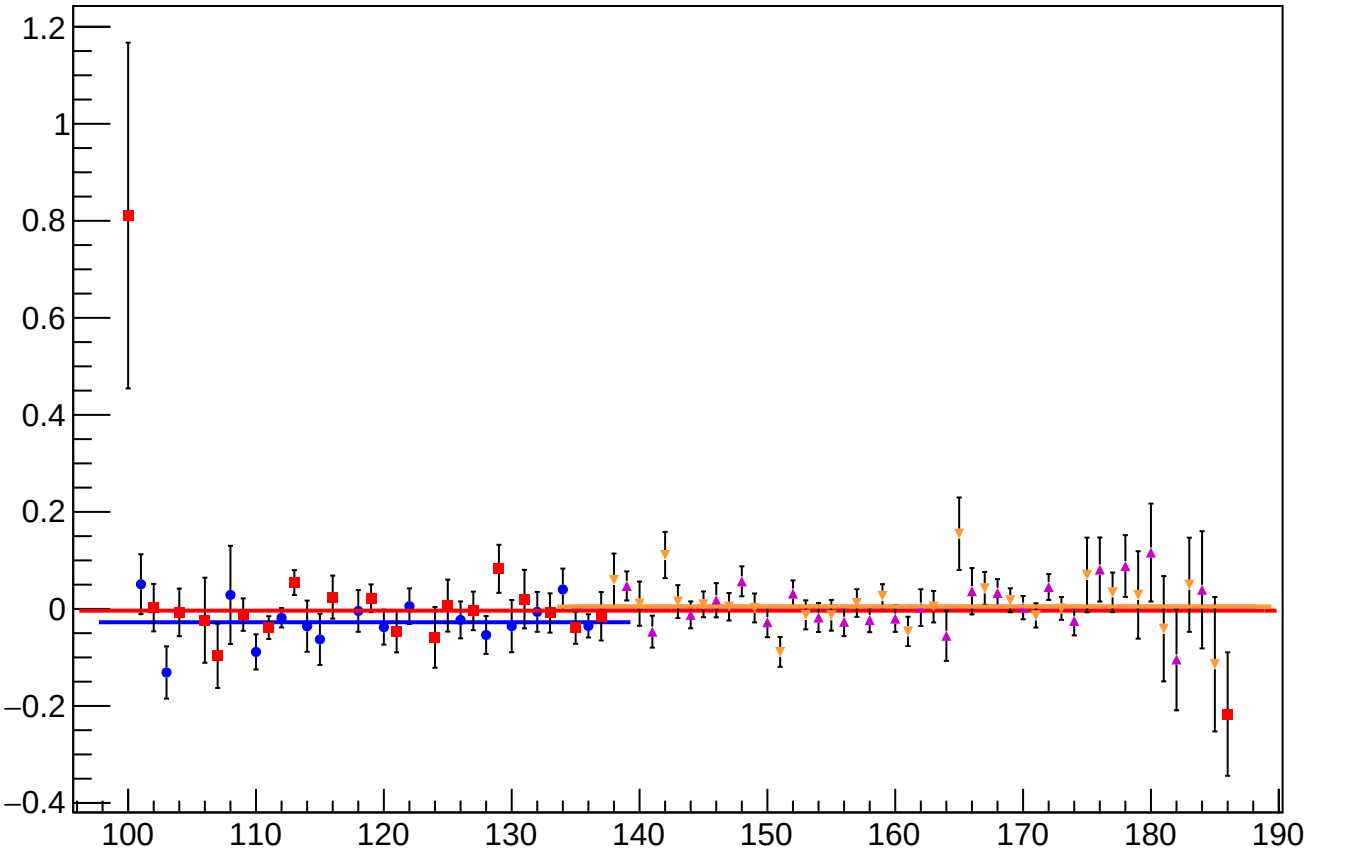
Right Out: 23.985+/-0.007 χ^2/NDF: 1437498.2/19

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.049+/-0.004 χ^2/NDF: 5847538.4/40

All: 26.145+/-0.003 χ^2/NDF: 10106892.3/83

- sign 26.243+/-0.004 χ^2/NDF: 4258141.2/42



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

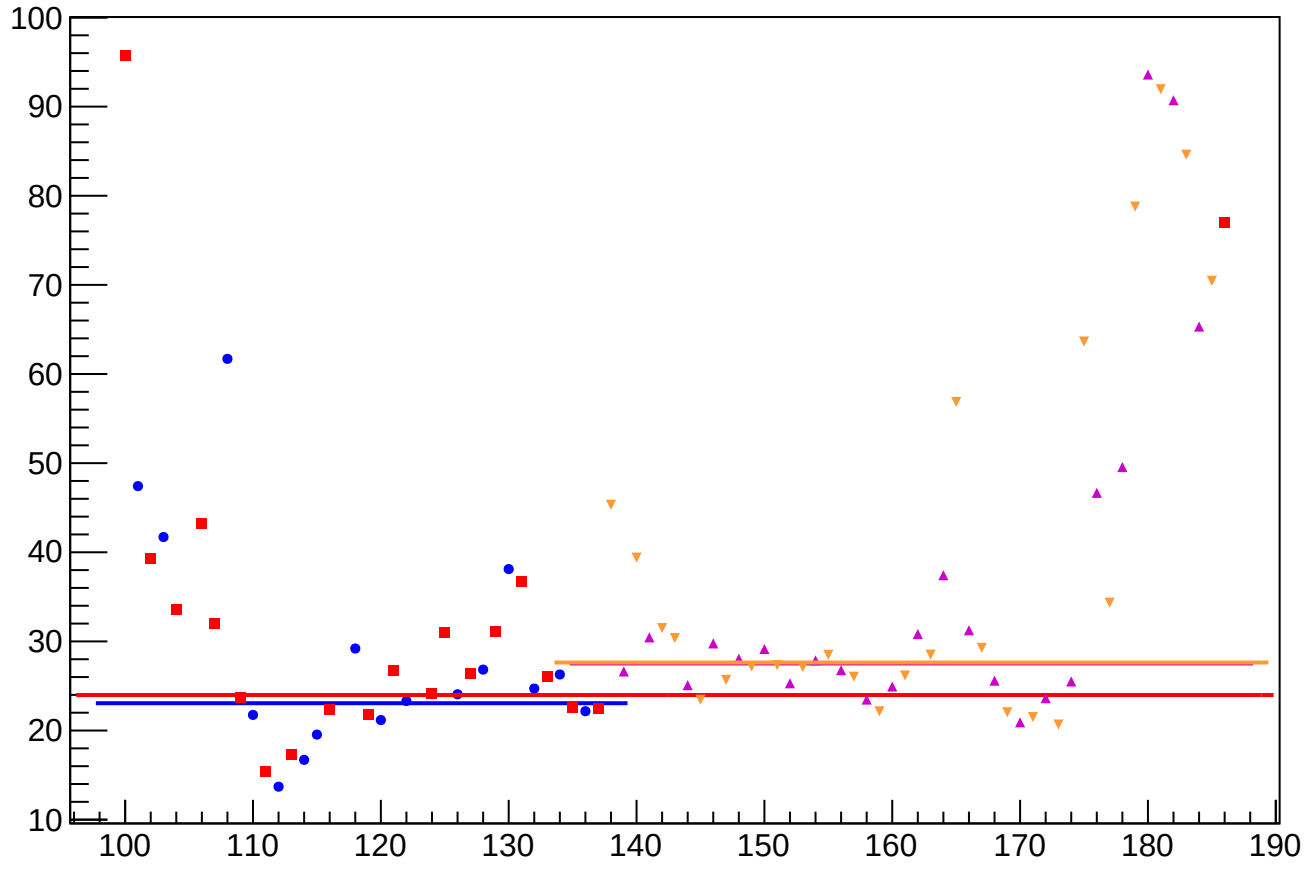
Right Out: -0.004+/-0.009 χ^2/NDF: 24.9/19

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.006 χ^2/NDF: 49.9/40

All: -0.002+/-0.004 χ^2/NDF: 101.5/83

- sign 0.002+/-0.006 χ^2/NDF: 50.5/42



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

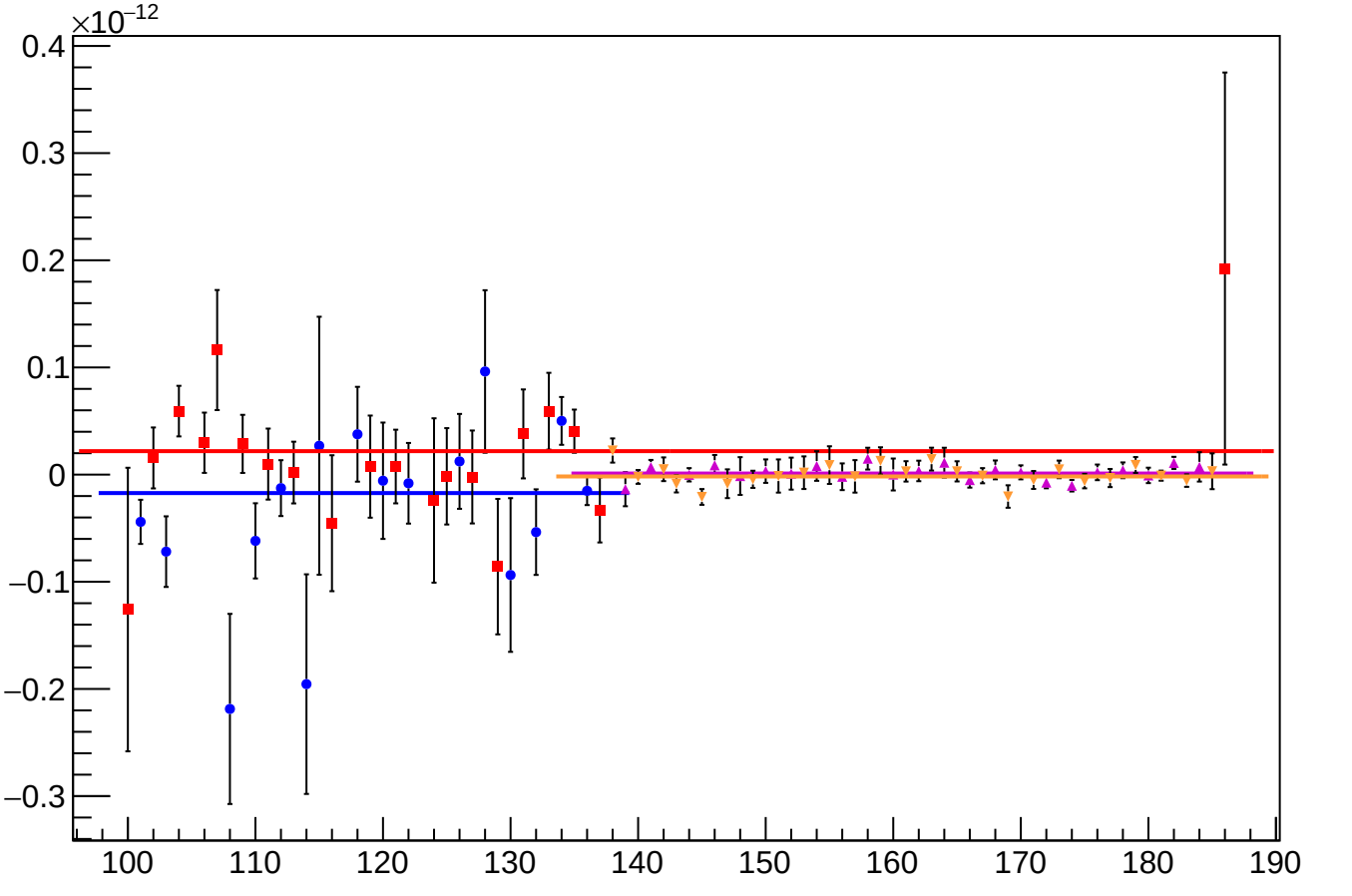
Right Out: 23.985+/-0.007 χ^2/NDF: 1437498.2/19

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.049+/-0.004 χ^2/NDF: 5847538.4/40

All: 26.145+/-0.003 χ^2/NDF: 10106892.3/83

- sign 26.243+/-0.004 χ^2/NDF: 4258141.2/42



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

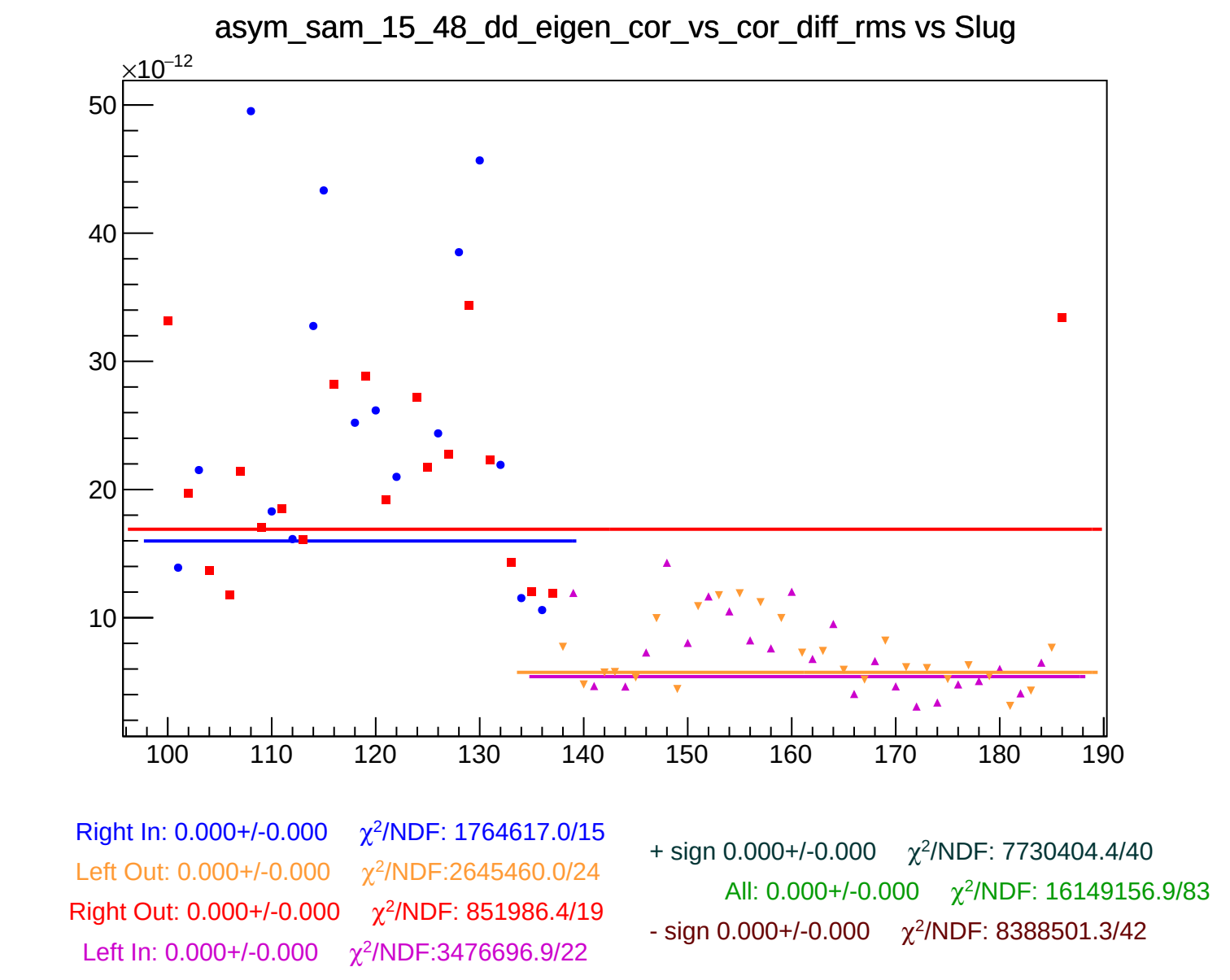
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/19

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

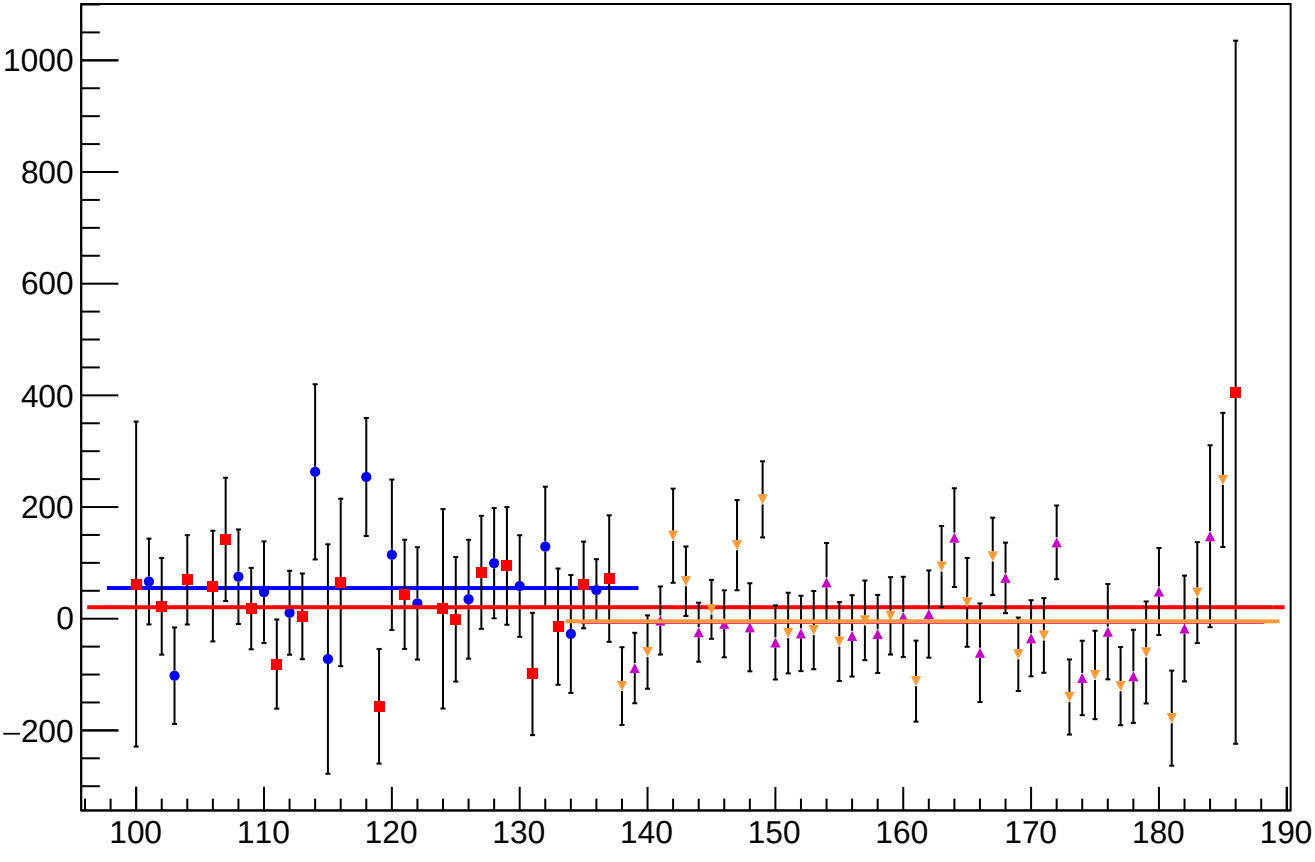
+ sign -0.000+/-0.000 χ^2/NDF: 58.1/40

All: -0.000+/-0.000 χ^2/NDF: 103.6/83

- 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
50
40
30
20
10
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
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: 7730404.4/40
All: 0.000+/-0.000 χ²/NDF: 16149156.9/83
- sign 0.000+/-0.000 χ²/NDF: 8388501.3/42

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 20.515+/-22.557 χ^2/NDF: 9.6/19

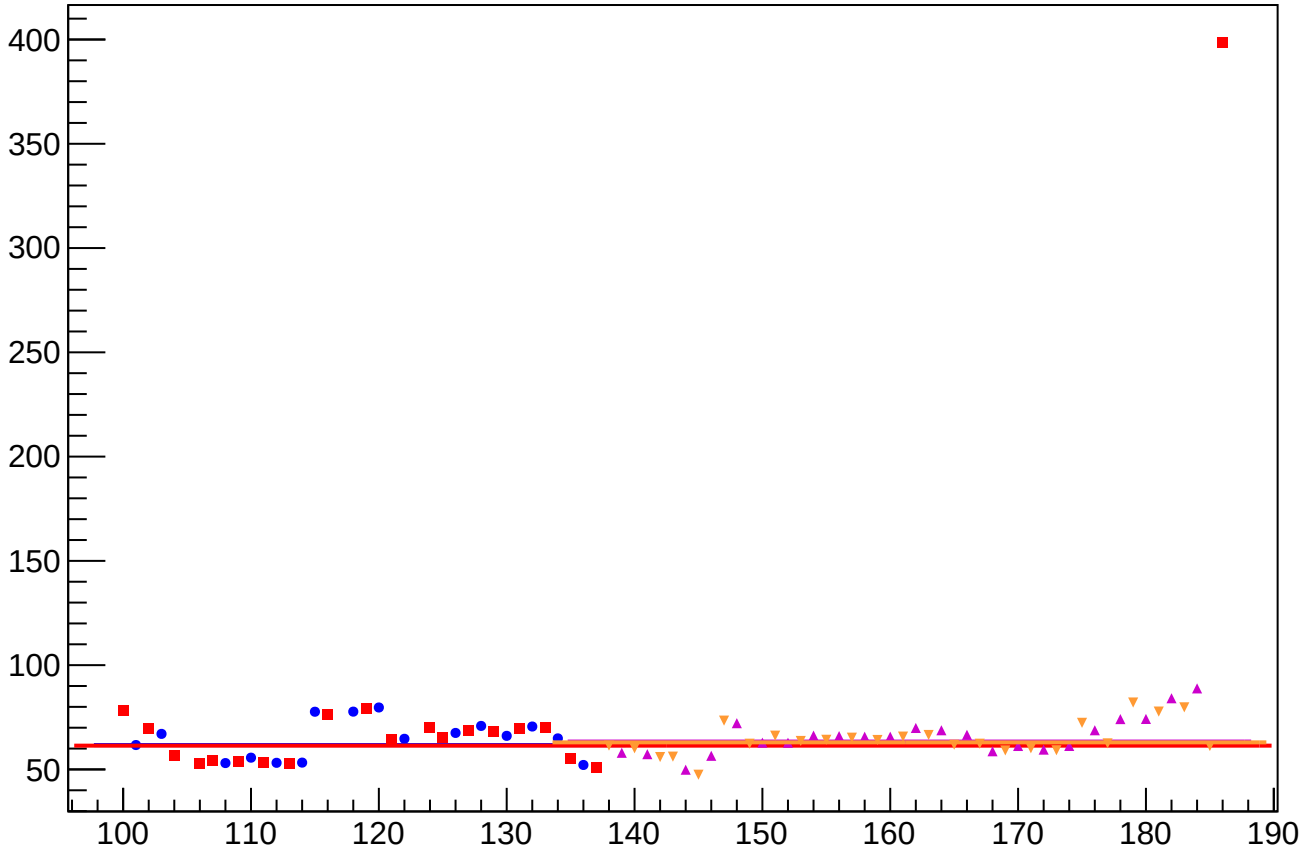
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 11.915+/-12.251 χ^2/NDF: 63.1/40

All: 7.152+/-8.732 χ^2/NDF: 92.3/83

- sign 2.233+/-12.450 χ^2/NDF: 28.8/42

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.400+/-0.016 χ^2/NDF: 858351.1/19

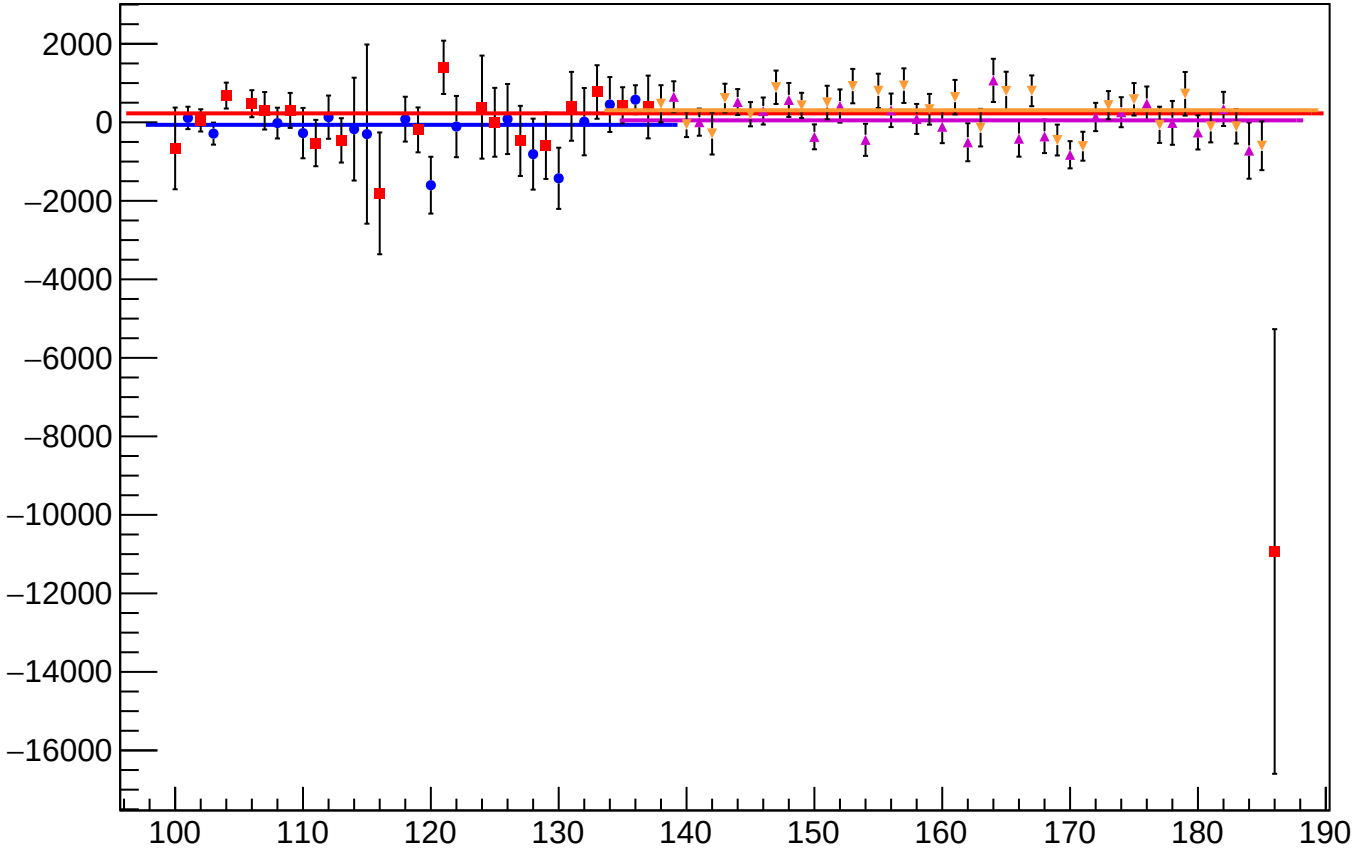
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.612+/-0.009 χ^2/NDF: 798524.3/40

All: 62.688+/-0.006 χ^2/NDF: 2164517.8/83

- sign 62.767+/-0.009 χ^2/NDF: 1365837.1/42

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 227.960+/-122.762 χ^2/NDF: 18.4/19

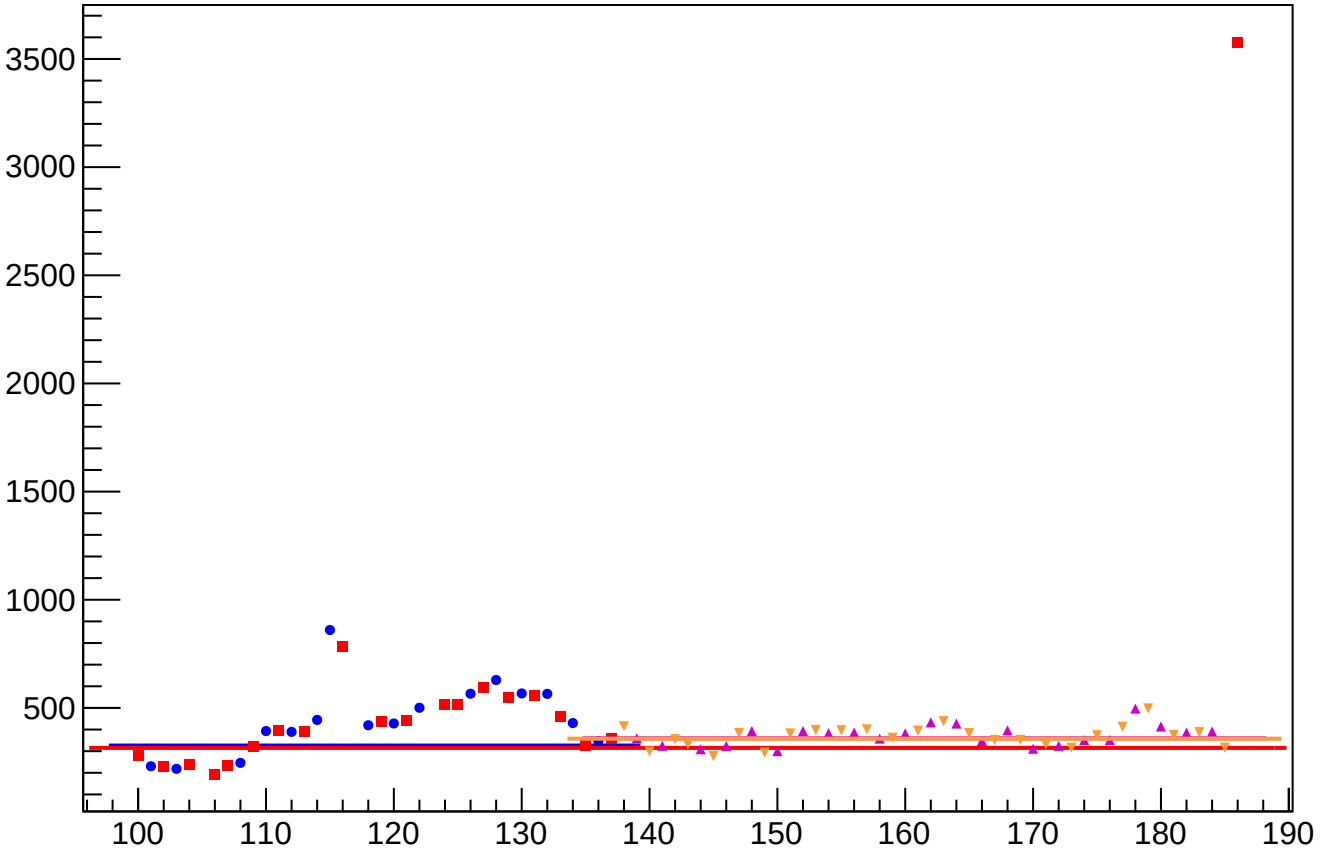
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 200.536+/-69.524 χ^2/NDF: 49.7/40

All: 154.219+/-49.256 χ^2/NDF: 97.7/83

- sign 107.541+/-69.793 χ^2/NDF: 47.1/42

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 315.205+/-0.087 χ^2/NDF: 2450606.0/19

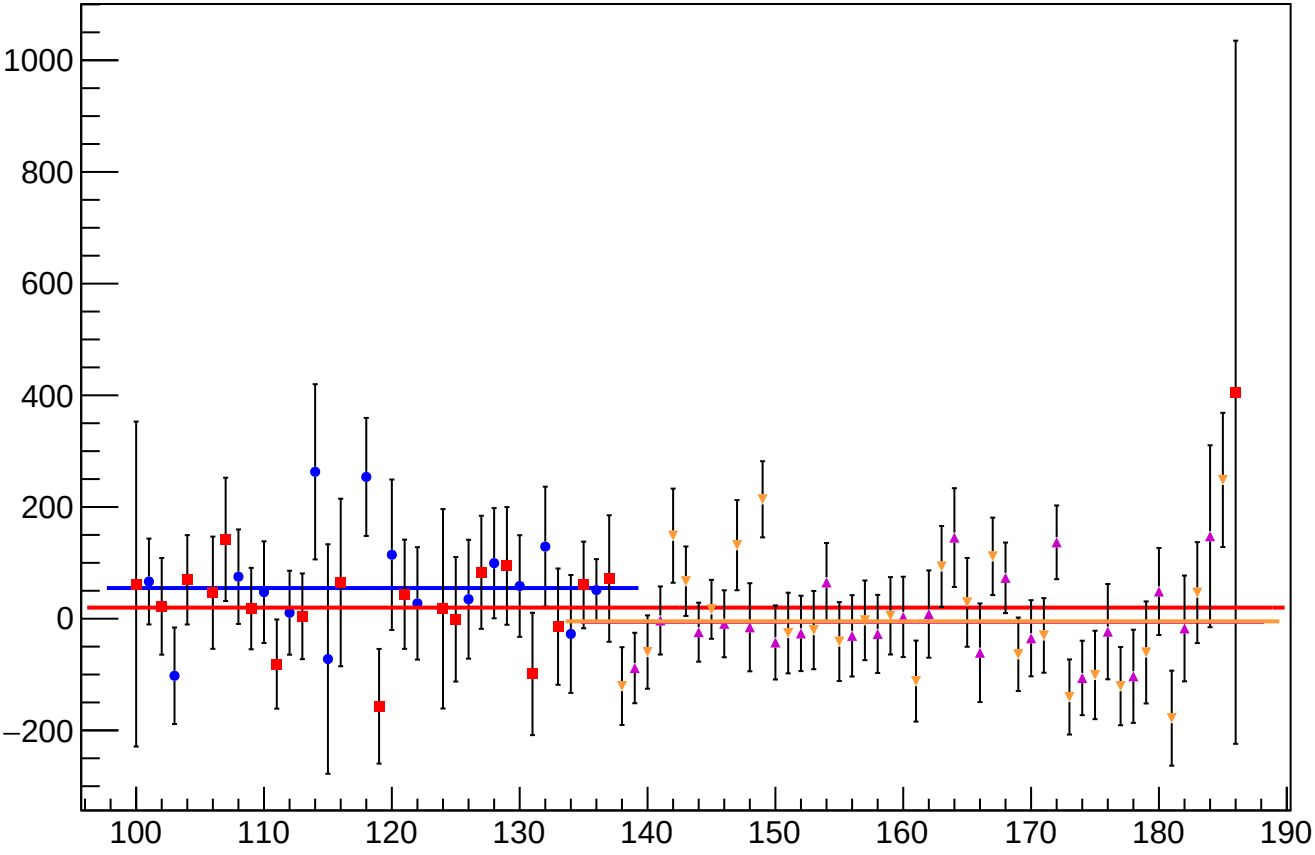
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 348.653+/-0.049 χ^2/NDF: 2502268.4/40

All: 346.874+/-0.035 χ^2/NDF: 5650293.7/83

- sign 345.081+/-0.049 χ^2/NDF: 3145396.7/42

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 19.849+/-22.573 χ^2/NDF: 9.5/19

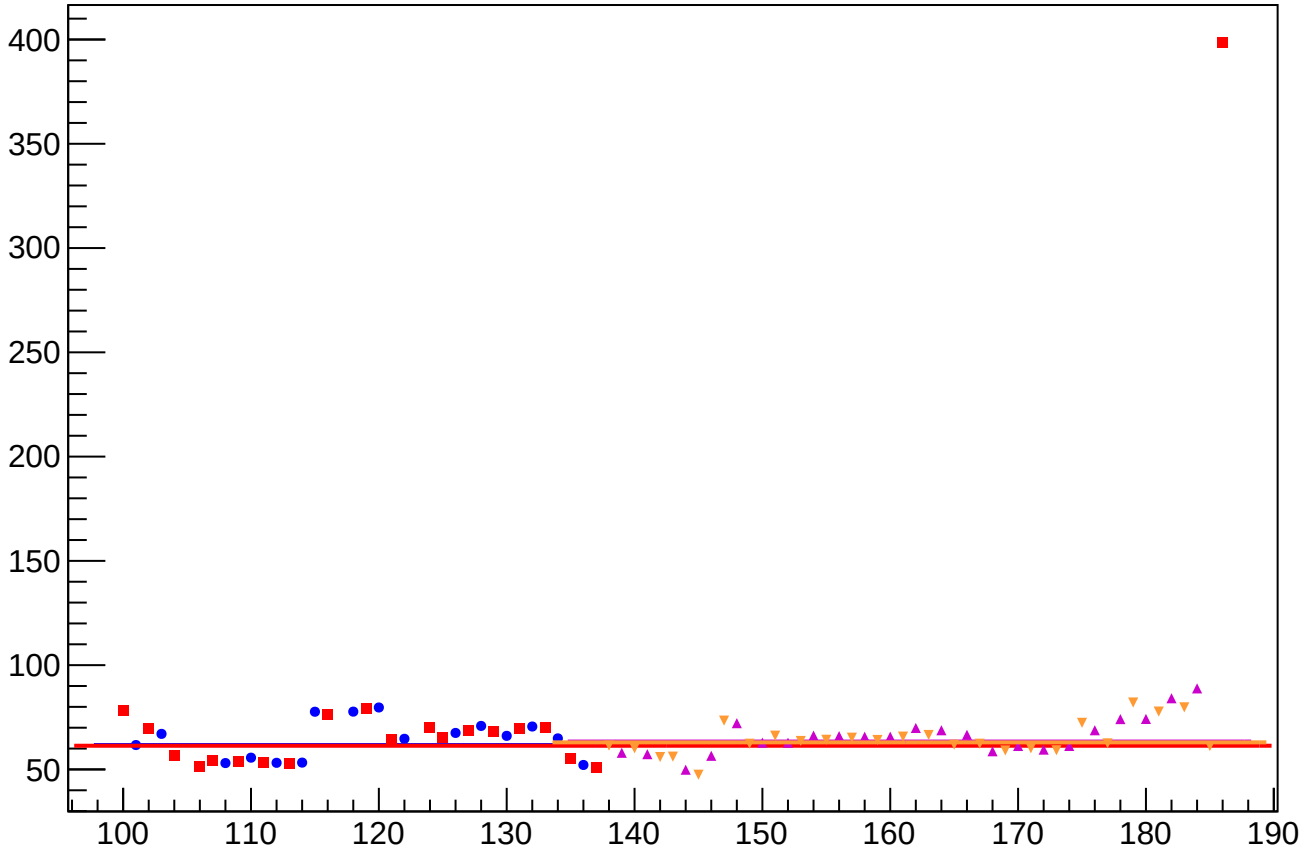
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 11.909+/-12.251 χ^2/NDF: 63.1/40

All: 7.047+/-8.733 χ^2/NDF: 92.2/83

- sign 2.023+/-12.453 χ^2/NDF: 28.7/42

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

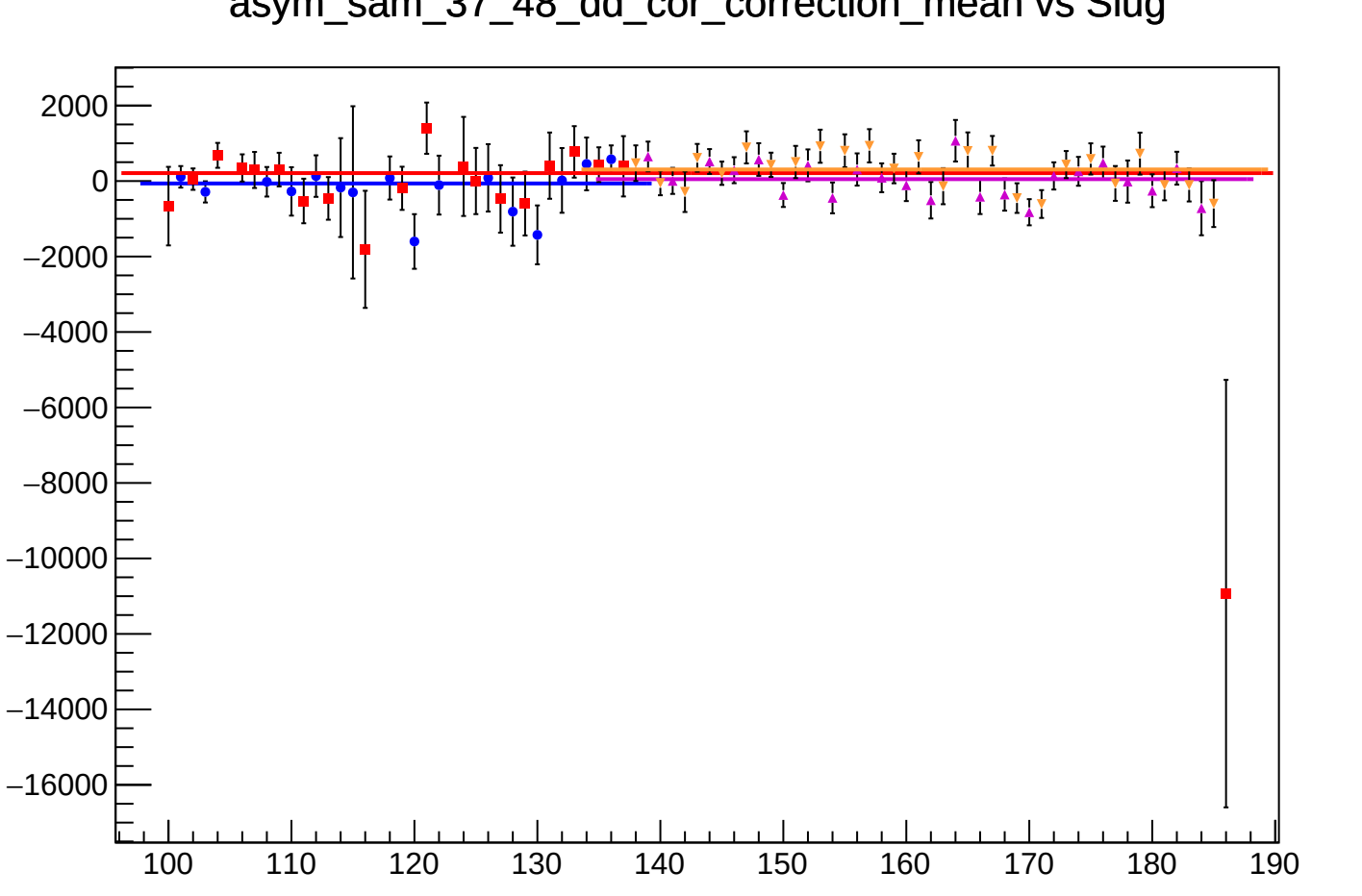
Right Out: 61.360+/-0.016 χ^2/NDF: 861885.2/19

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.612+/-0.009 χ^2/NDF: 798524.5/40

All: 62.682+/-0.006 χ^2/NDF: 2168454.0/83

- sign 62.755+/-0.009 χ^2/NDF: 1369795.8/42



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 210.614+/-123.462 χ^2/NDF: 18.0/19

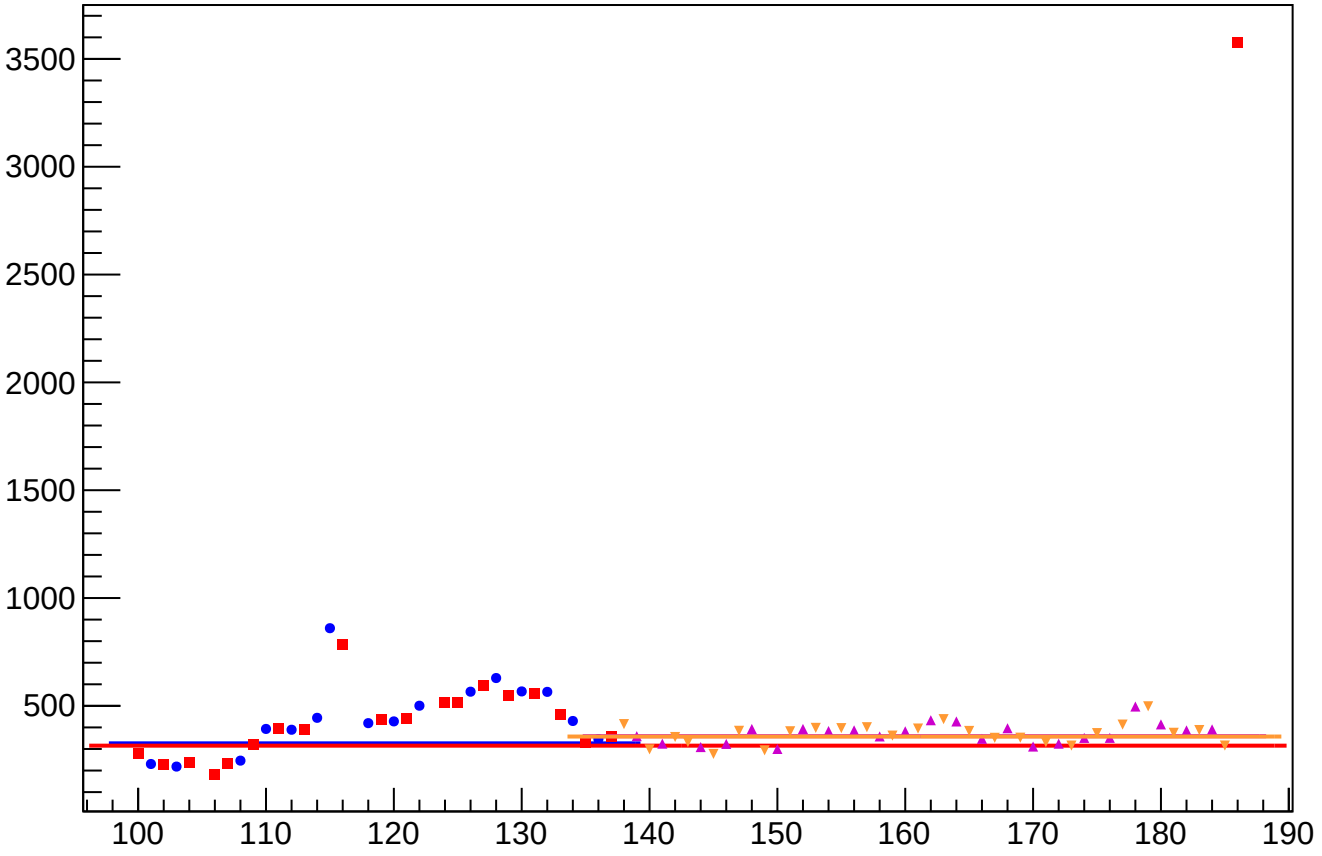
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 200.536+/-69.524 χ^2/NDF: 49.7/40

All: 151.318+/-49.301 χ^2/NDF: 97.1/83

- sign 101.535+/-69.921 χ^2/NDF: 46.4/42

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 315.411+/-0.087 χ^2/NDF: 2468957.7/19

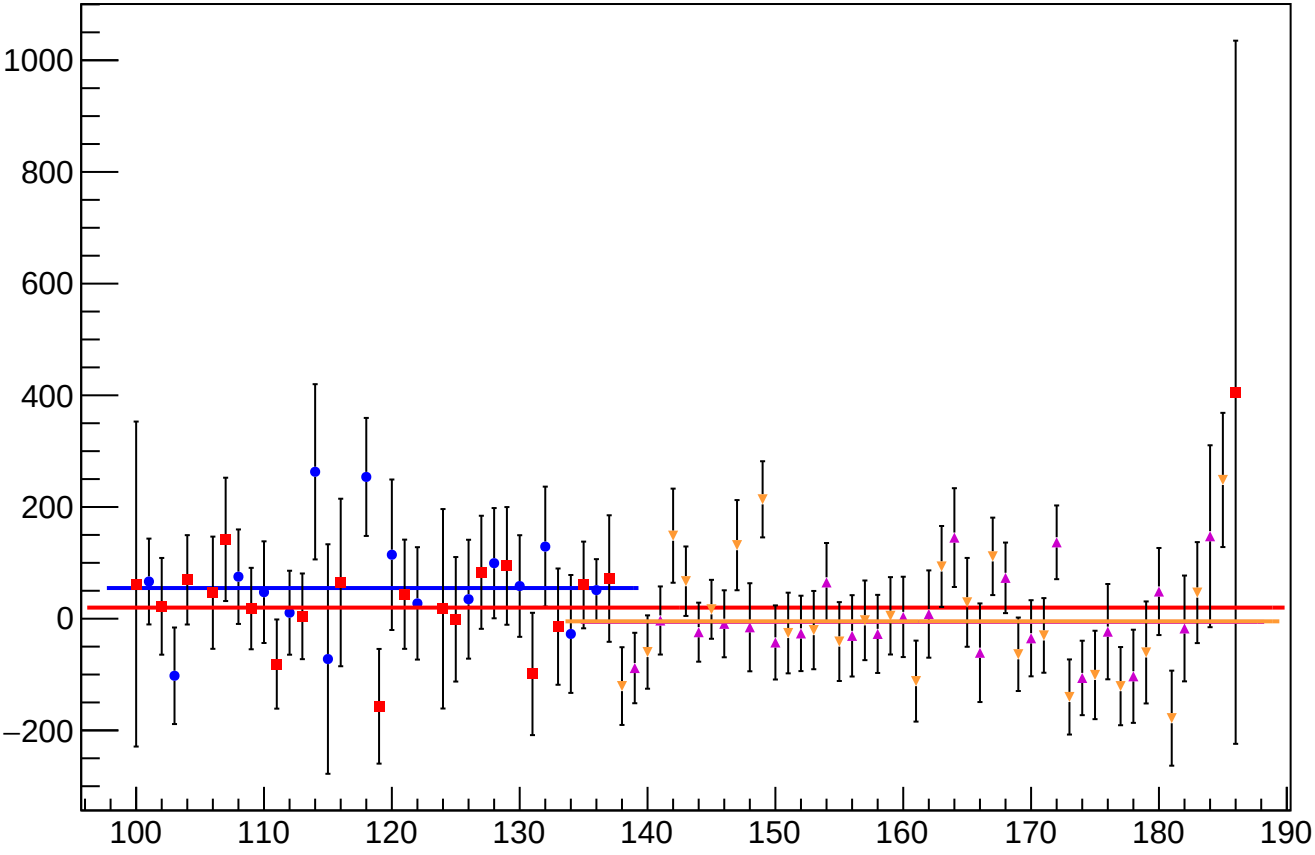
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 348.654+/-0.049 χ^2/NDF: 2502187.9/40

All: 346.965+/-0.035 χ^2/NDF: 5665349.9/83

- sign 345.257+/-0.049 χ^2/NDF: 3160788.6/42

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 19.849+/-22.573 χ^2/NDF: 9.5/19

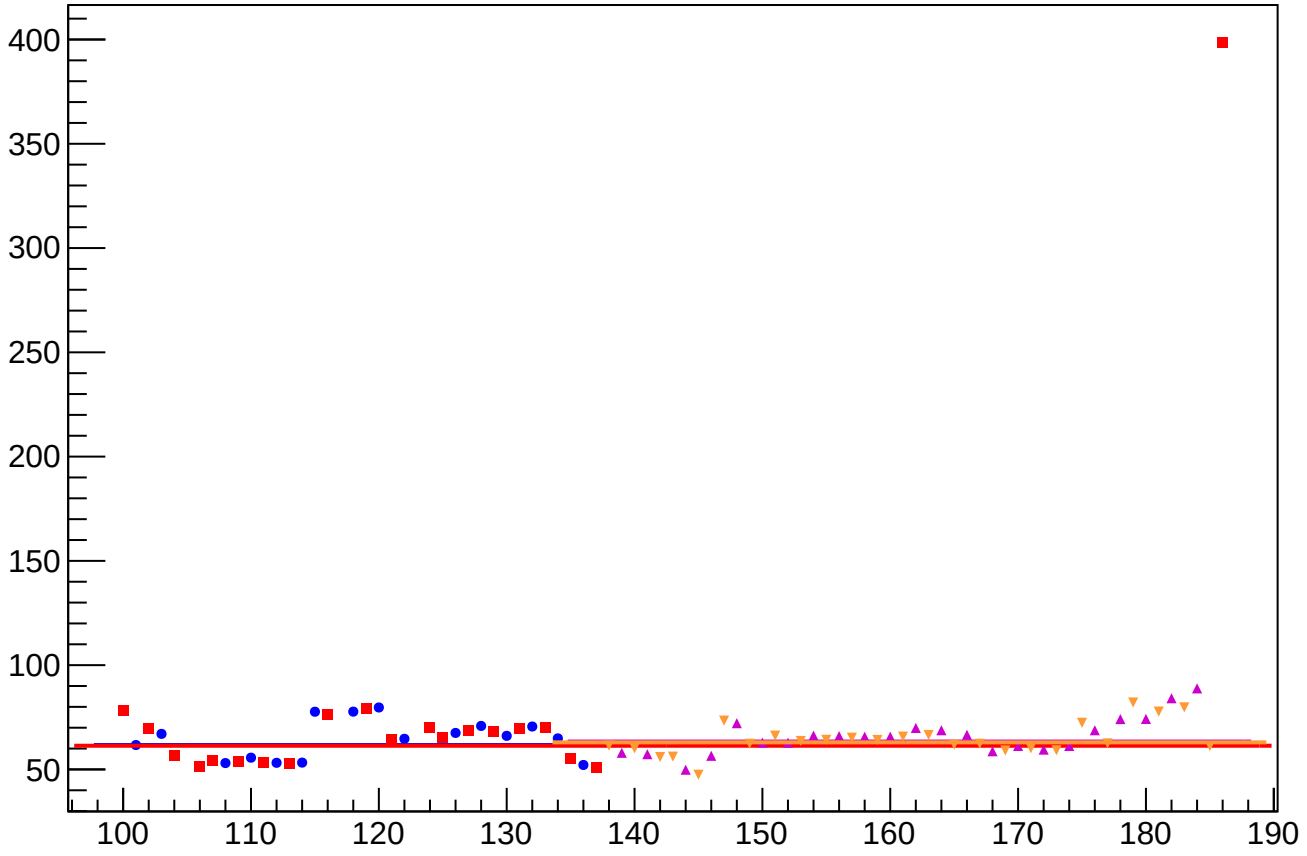
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 11.909+/-12.251 χ^2/NDF: 63.1/40

All: 7.047+/-8.733 χ^2/NDF: 92.2/83

- sign 2.023+/-12.453 χ^2/NDF: 28.7/42

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

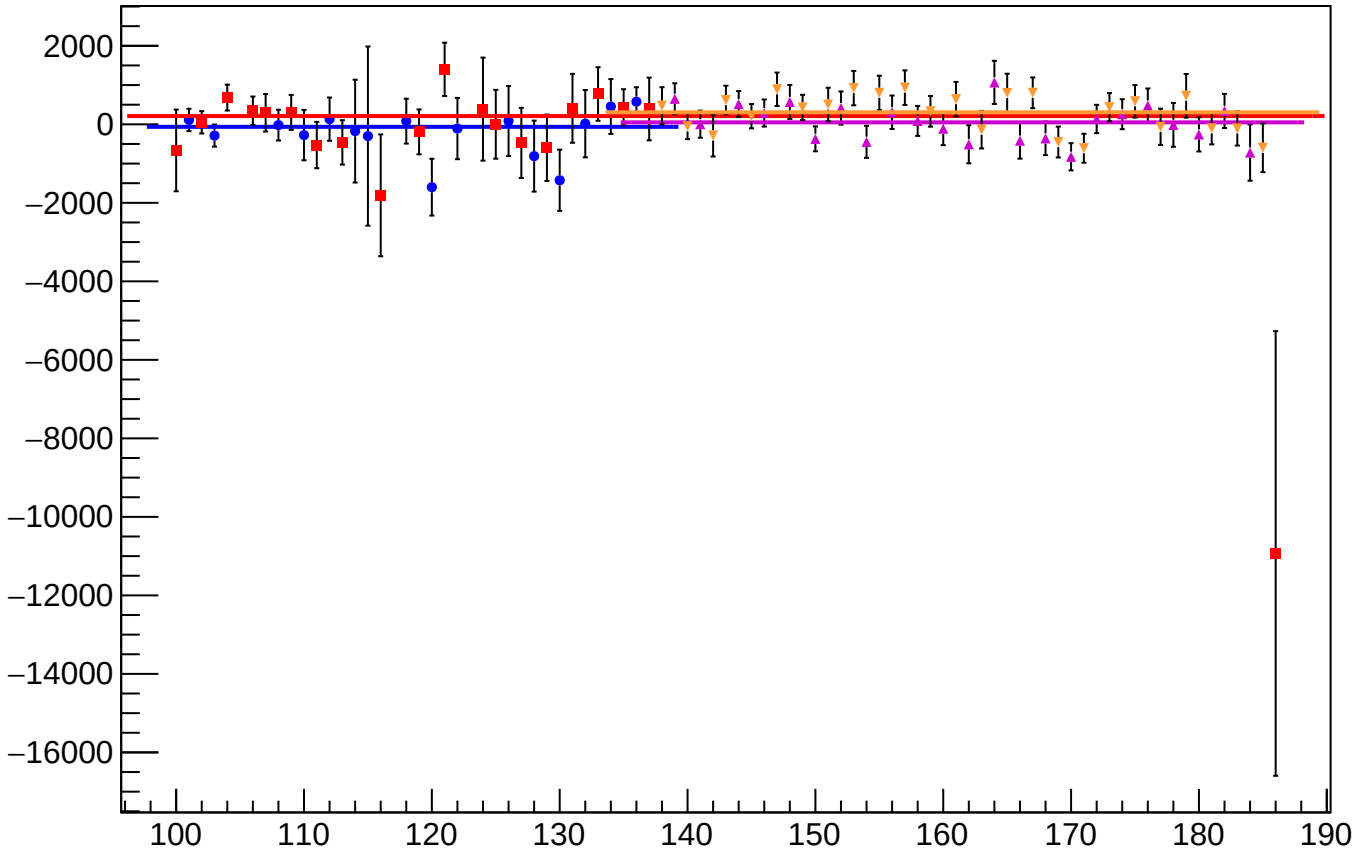
Right Out: 61.360+/-0.016 χ^2/NDF: 861885.2/19

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 62.612+/-0.009 χ^2/NDF: 798524.5/40

All: 62.682+/-0.006 χ^2/NDF: 2168454.0/83

\- sign 62.755+/-0.009 χ^2/NDF: 1369795.8/42



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

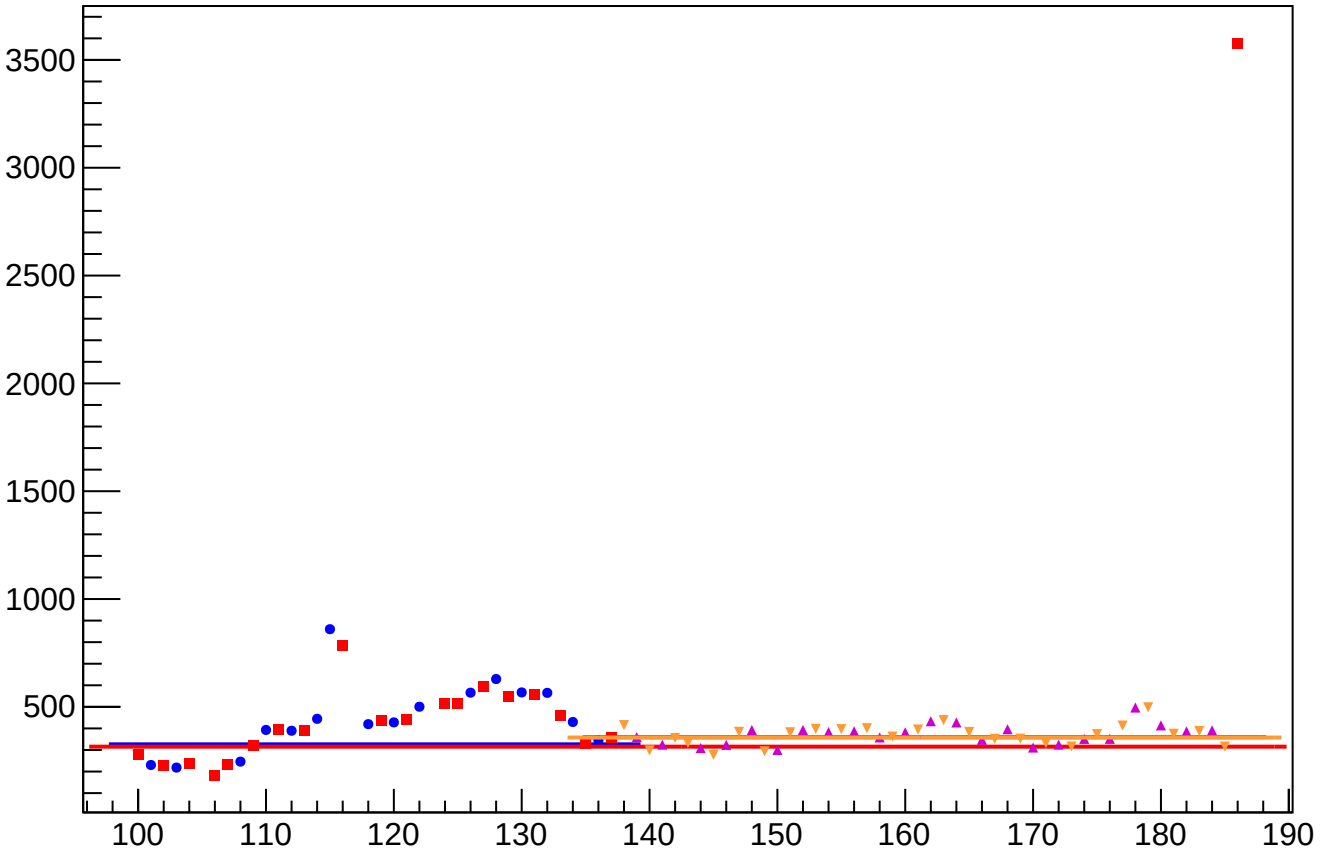
Right Out: 210.614+/-123.462 χ^2/NDF: 18.0/19

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 200.536+/-69.524 χ^2/NDF: 49.7/40

All: 151.318+/-49.301 χ^2/NDF: 97.1/83

- sign 101.535+/-69.921 χ^2/NDF: 46.4/42



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 315.411+/-0.087 χ^2/NDF: 2468957.7/19

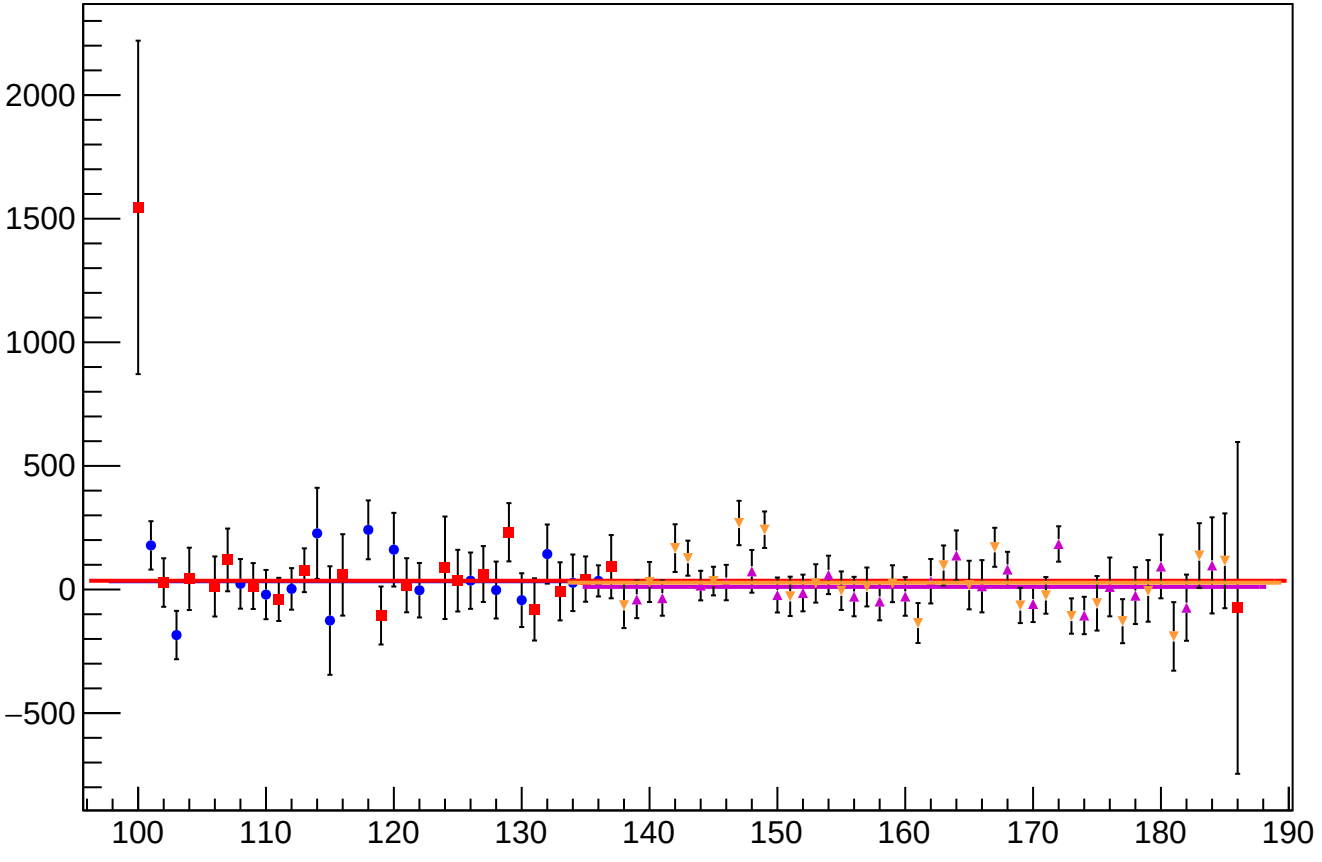
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 348.654+/-0.049 χ^2/NDF: 2502187.9/40

All: 346.965+/-0.035 χ^2/NDF: 5665349.9/83

- sign 345.257+/-0.049 χ^2/NDF: 3160788.6/42

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 35.404+/-26.515 χ^2/NDF: 12.1/19

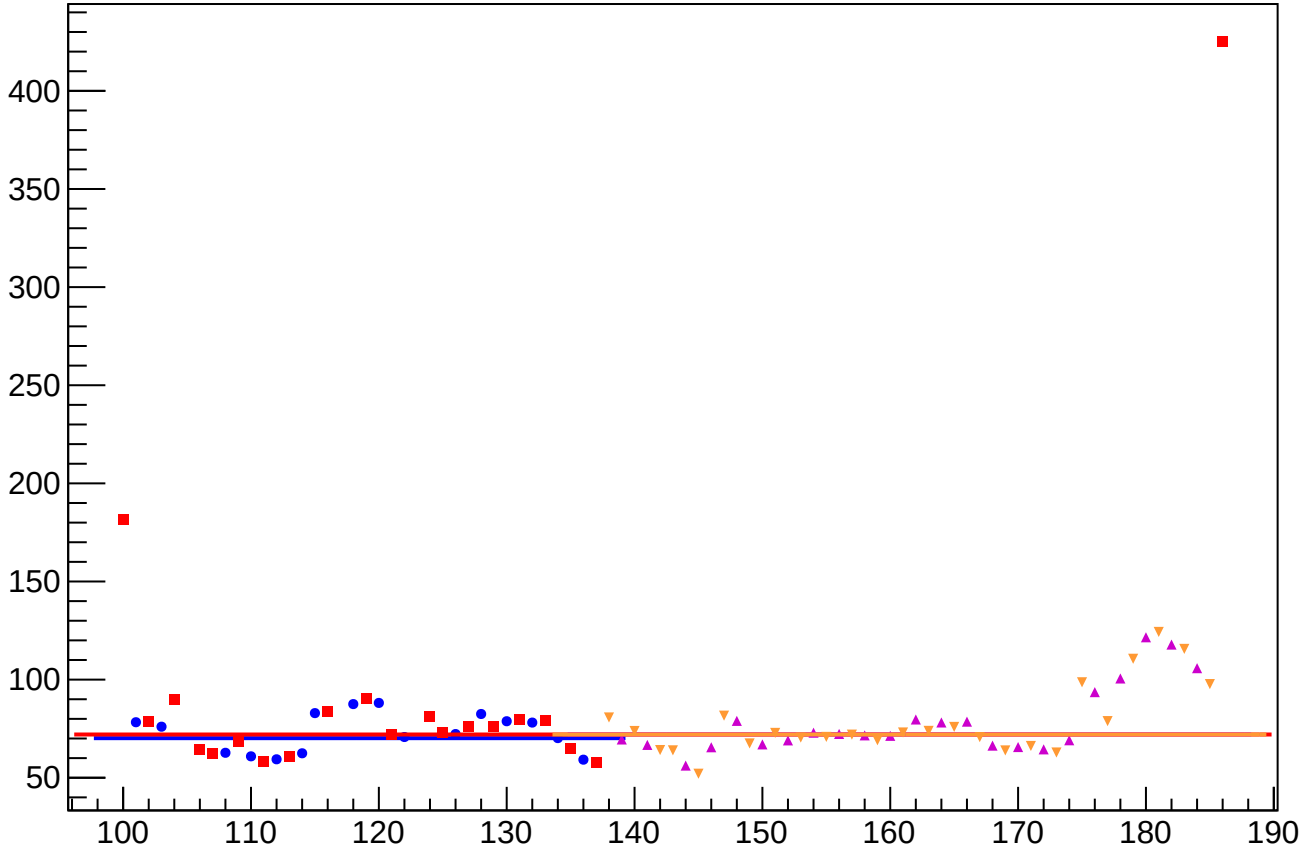
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 29.281+/-14.141 χ^2/NDF: 56.9/40

All: 23.714+/-10.105 χ^2/NDF: 86.1/83

- sign 17.906+/-14.445 χ^2/NDF: 28.8/42

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

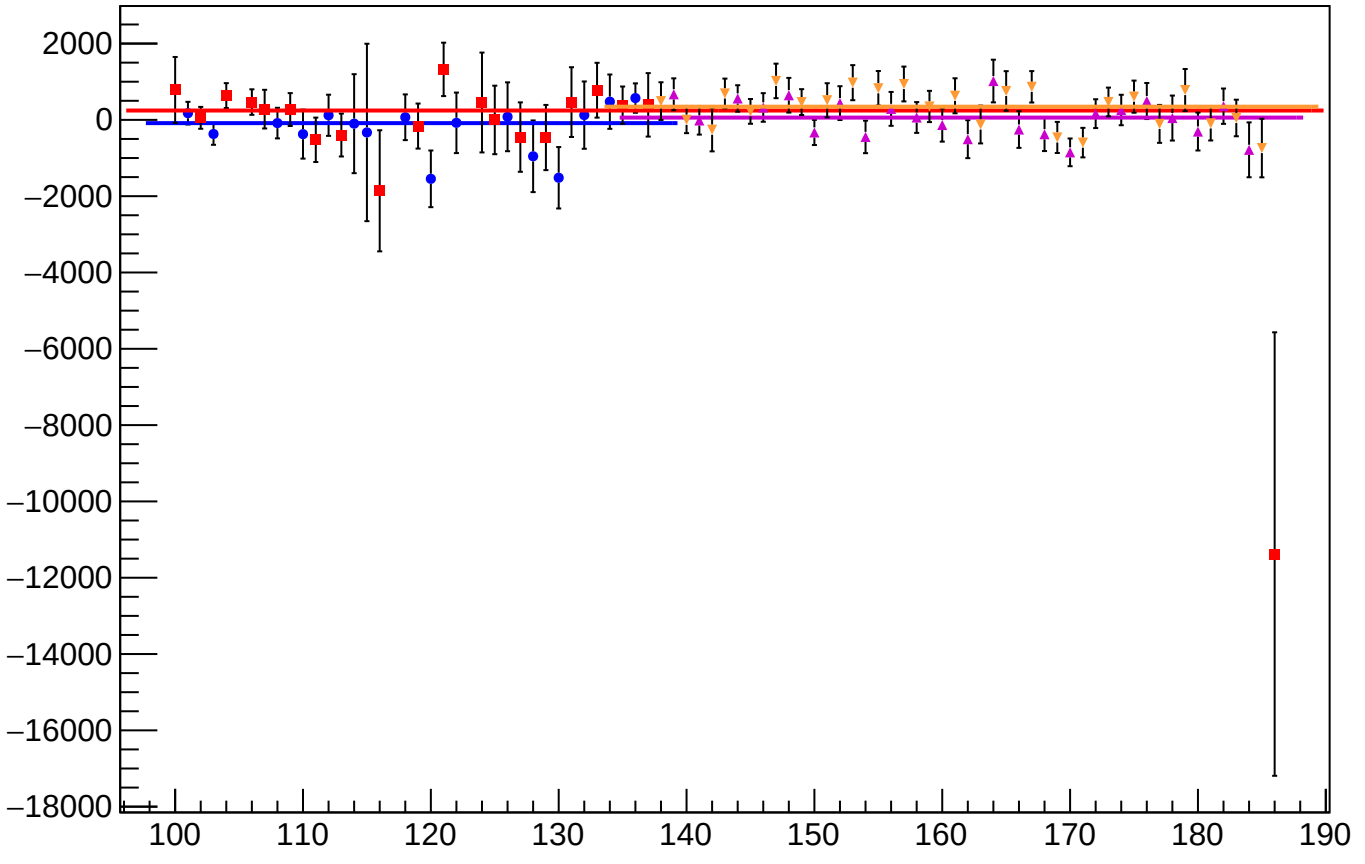
Right Out: 72.035+/-0.019 χ^2/NDF: 880105.2/19

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 71.504+/-0.010 χ^2/NDF: 1545898.4/40

All: 71.783+/-0.007 χ^2/NDF: 3486465.5/83

- sign 72.075+/-0.010 χ^2/NDF: 1938968.9/42



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 245.207+/-123.274 χ^2/NDF: 16.5/19

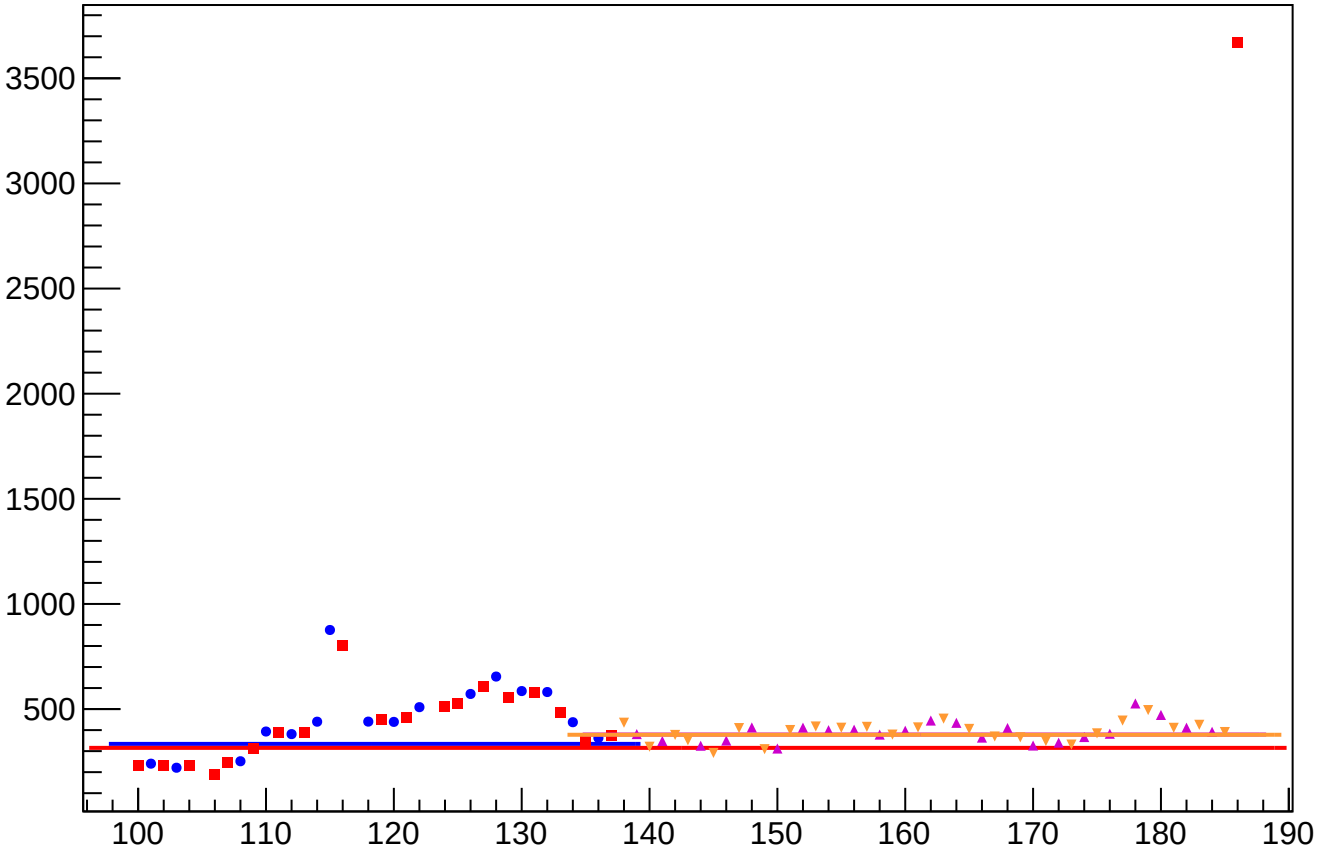
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

\+ sign 216.972+/-72.682 χ^2/NDF: 50.0/40

All: 170.183+/-51.286 χ^2/NDF: 94.6/83

\- sign 123.785+/-72.378 χ^2/NDF: 43.8/42

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 315.481+/-0.087 χ^2/NDF: 2571260.0/19

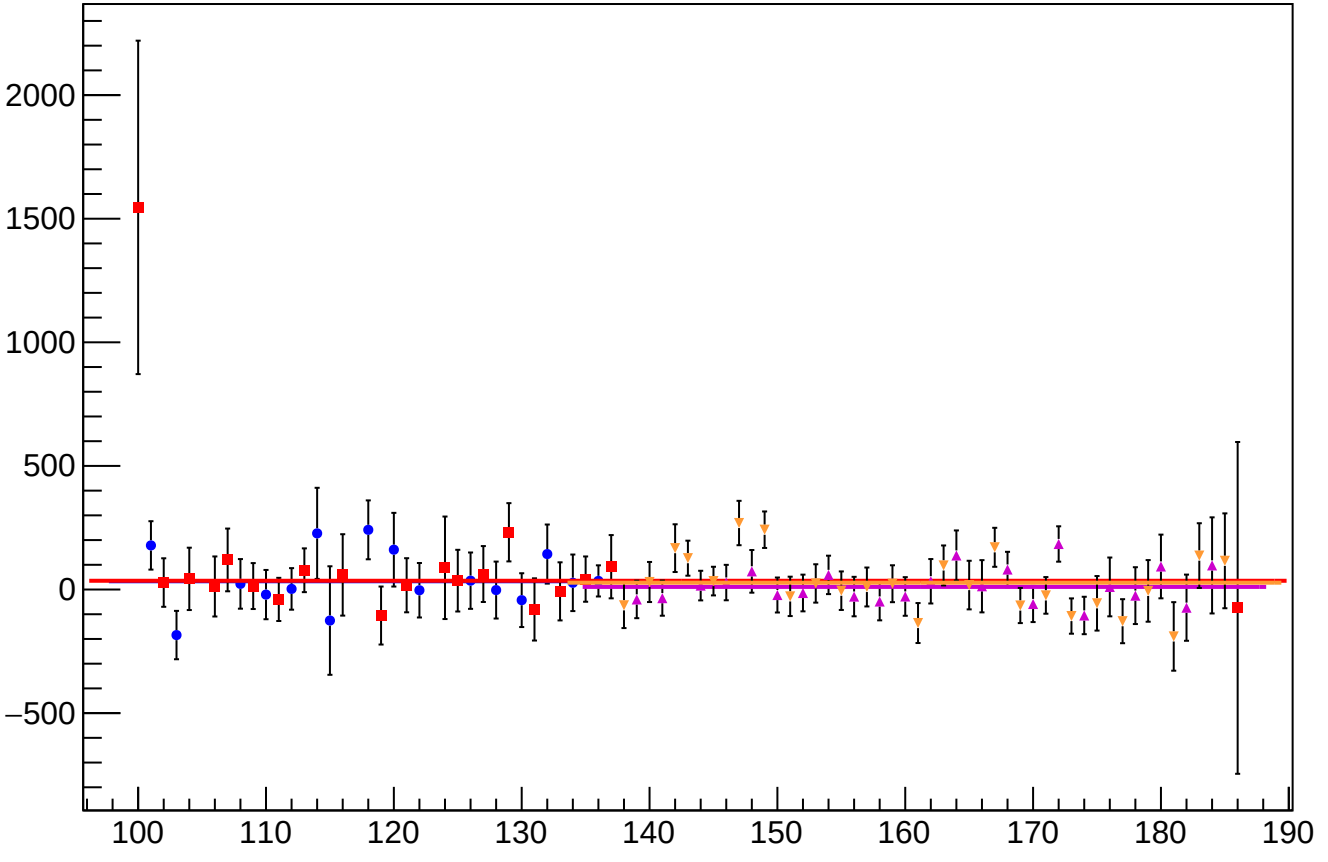
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 364.822+/-0.051 χ^2/NDF: 2516611.7/40

All: 360.903+/-0.036 χ^2/NDF: 5973653.8/83

- sign 357.018+/-0.051 χ^2/NDF: 3445465.9/42

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 35.405+/-26.515 χ^2/NDF: 12.1/19

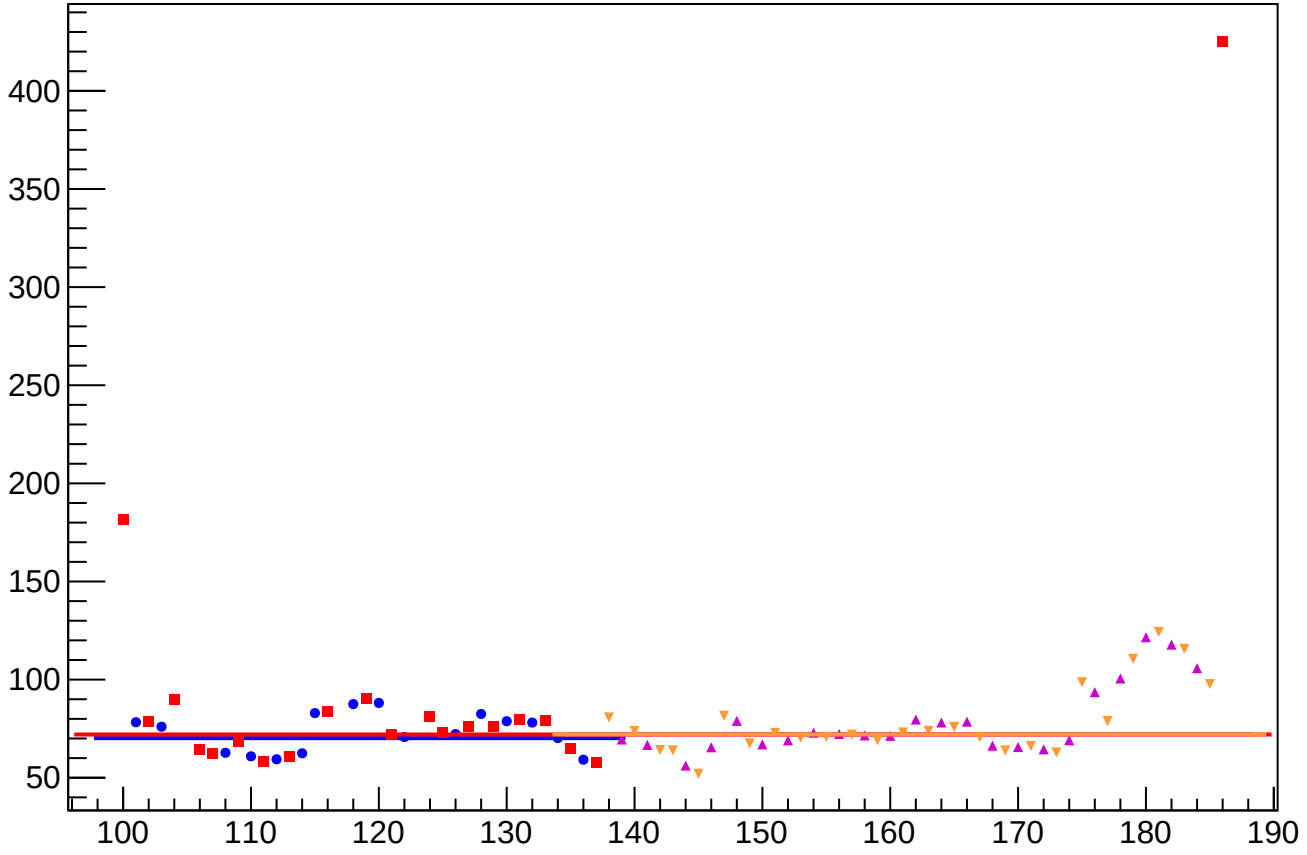
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 29.280+/-14.141 χ^2/NDF: 56.9/40

All: 23.714+/-10.105 χ^2/NDF: 86.1/83

- sign 17.906+/-14.445 χ^2/NDF: 28.8/42

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

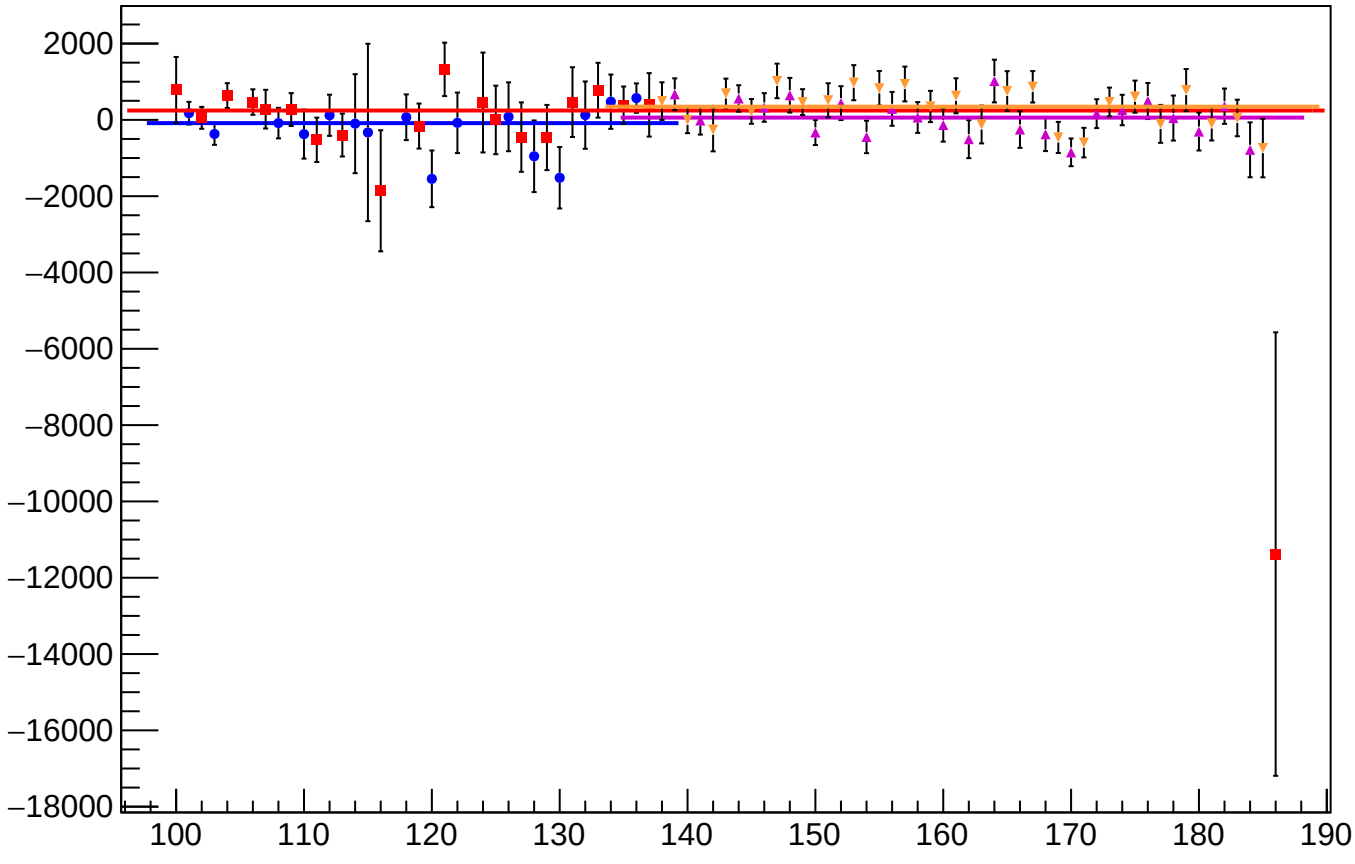
Right Out: 72.035+/-0.019 χ^2/NDF: 880109.5/19

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 71.504+/-0.010 χ^2/NDF: 1545907.7/40

All: 71.783+/-0.007 χ^2/NDF: 3486469.2/83

- sign 72.075+/-0.010 χ^2/NDF: 1938963.4/42



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

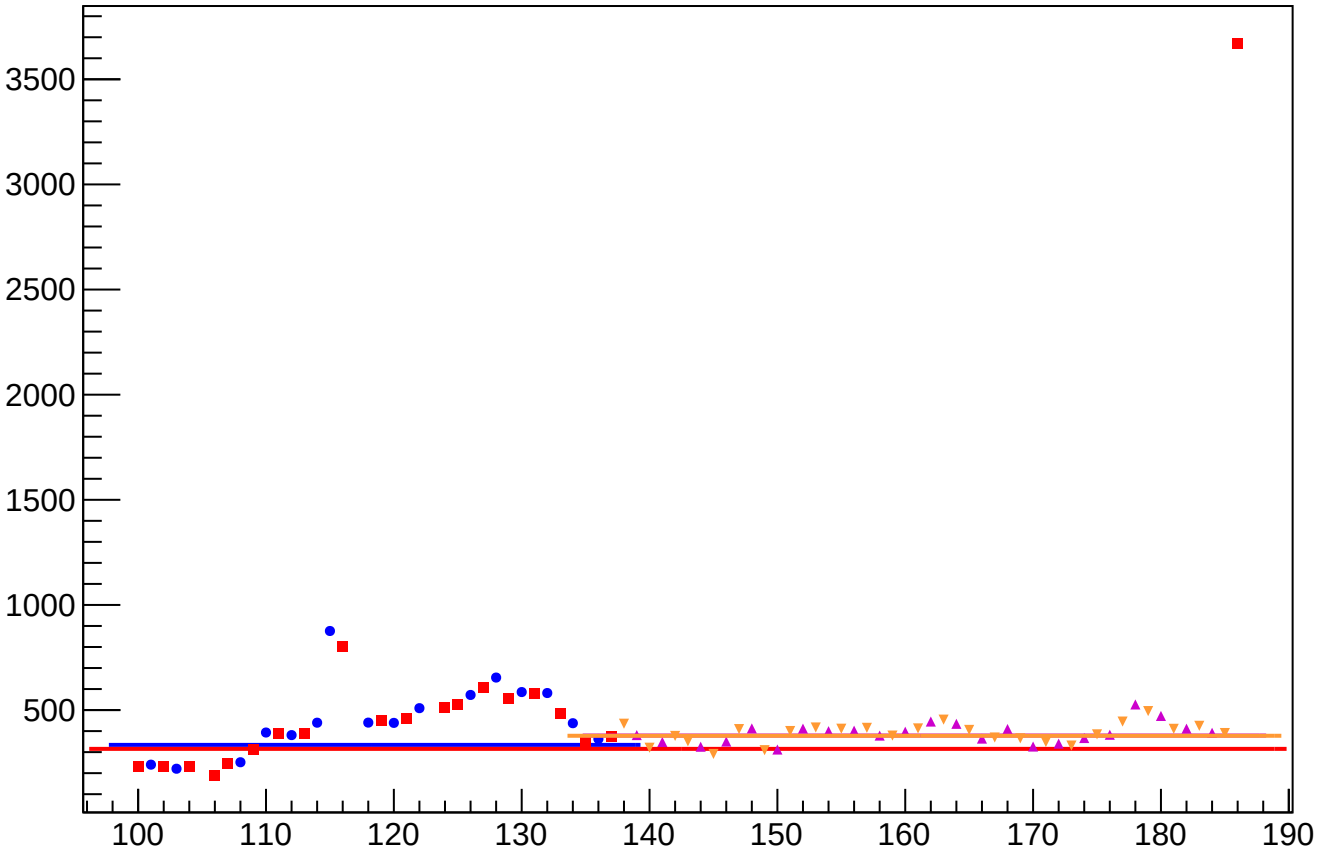
Right Out: 245.208+/-123.274 χ^2/NDF: 16.5/19

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 216.971+/-72.682 χ^2/NDF: 50.0/40

All: 170.182+/-51.286 χ^2/NDF: 94.6/83

- sign 123.784+/-72.378 χ^2/NDF: 43.8/42



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 315.481+/-0.087 χ^2/NDF: 2571258.0/19

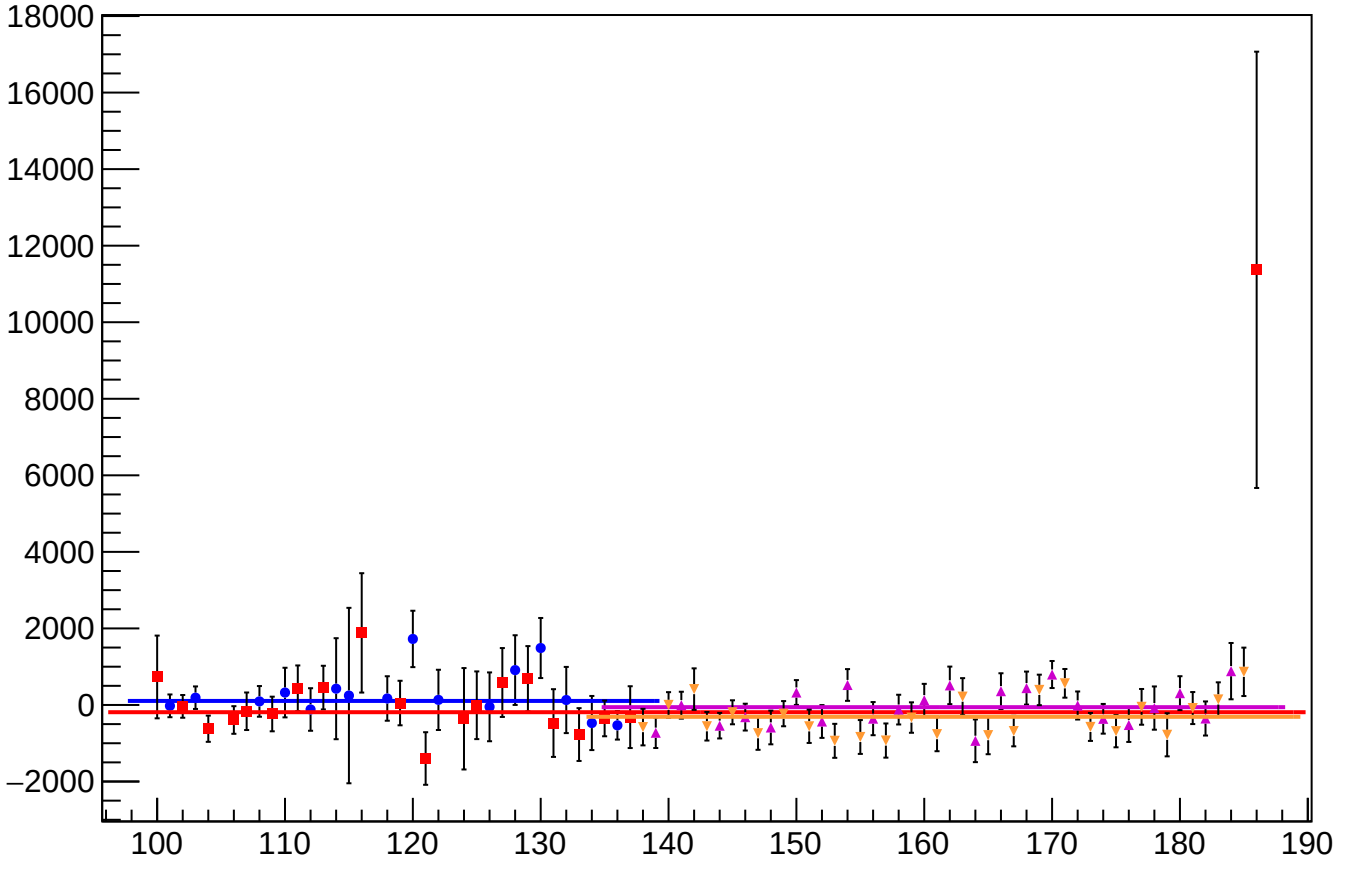
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 364.821+/-0.051 χ^2/NDF: 2516606.9/40

All: 360.903+/-0.036 χ^2/NDF: 5973640.0/83

- sign 357.018+/-0.051 χ^2/NDF: 3445456.8/42

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -189.046+/-126.168 χ^2/NDF: 17.3/19

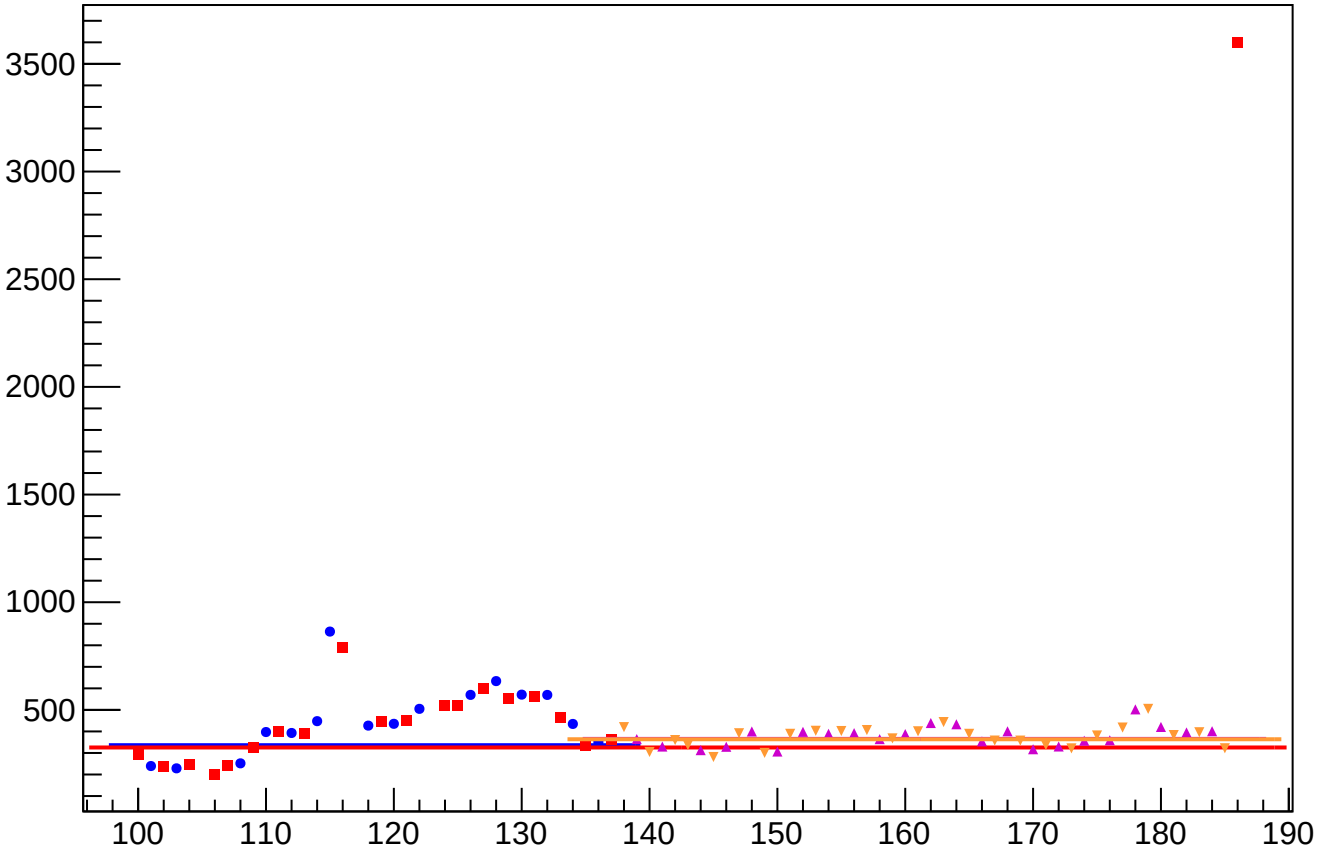
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -191.724+/-70.850 χ^2/NDF: 49.9/40

All: -145.787+/-50.218 χ^2/NDF: 96.7/83

- sign -99.409+/-71.188 χ^2/NDF: 46.0/42

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

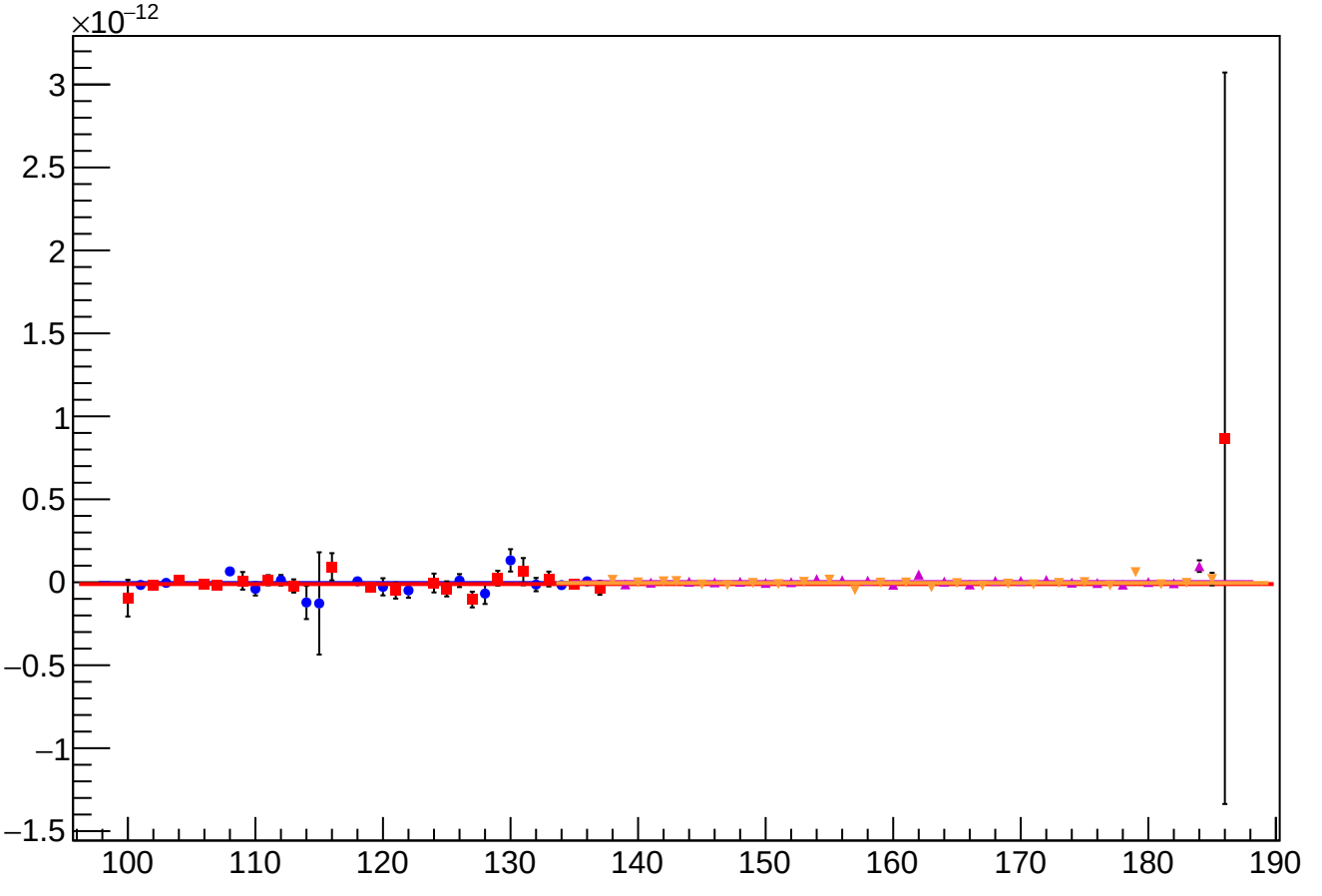
Right Out: 325.490+/-0.089 χ^2/NDF: 2325476.9/19

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 355.881+/-0.050 χ^2/NDF: 2350001.8/40

All: 354.269+/-0.036 χ^2/NDF: 5322946.2/83

- sign 352.642+/-0.050 χ^2/NDF: 2970864.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

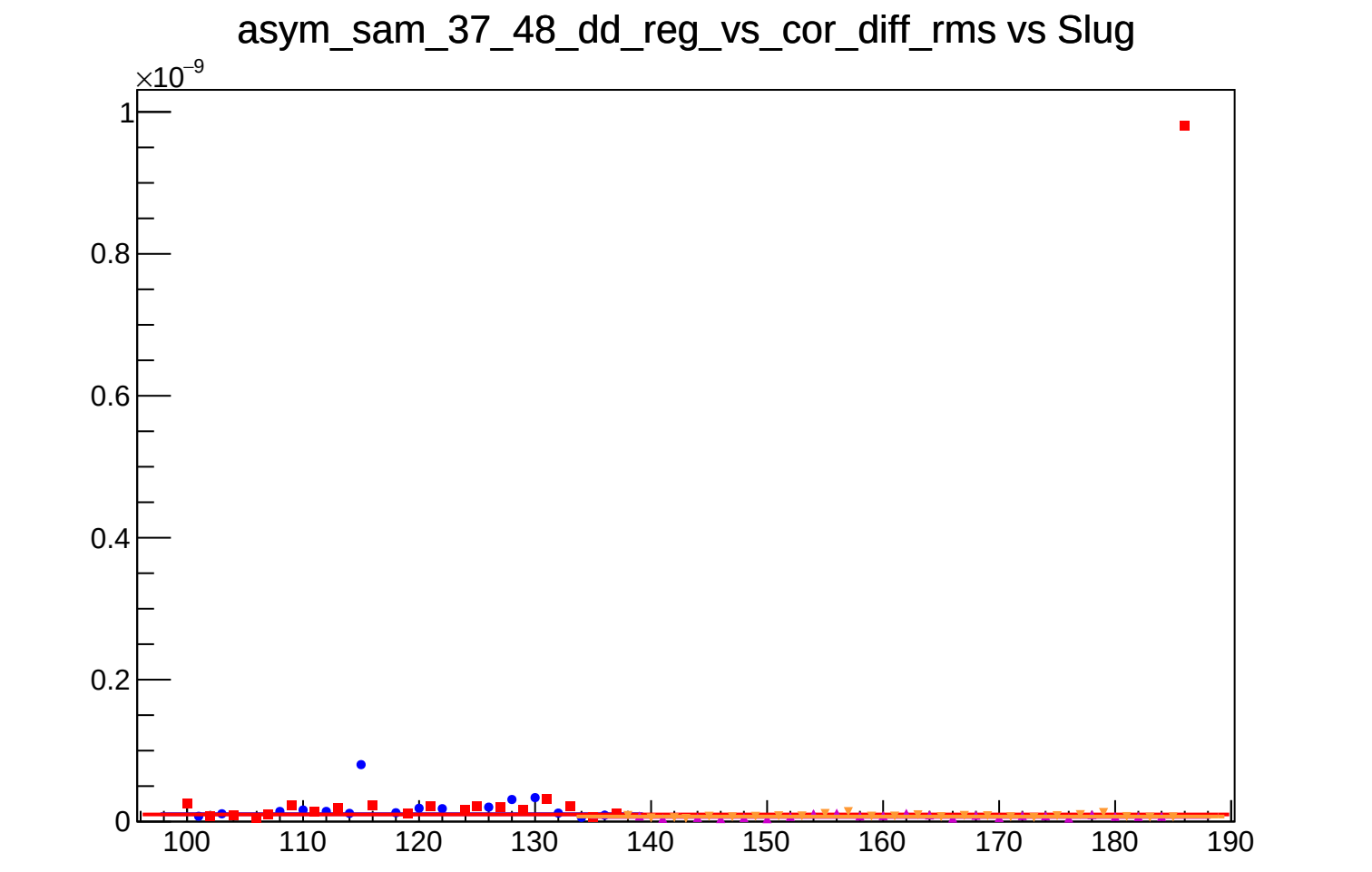
Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/19

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.4/40

All: -0.000+/-0.000 χ^2/NDF: 76.9/83

- sign -0.000+/-0.000 χ^2/NDF: 37.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1803526.2/19

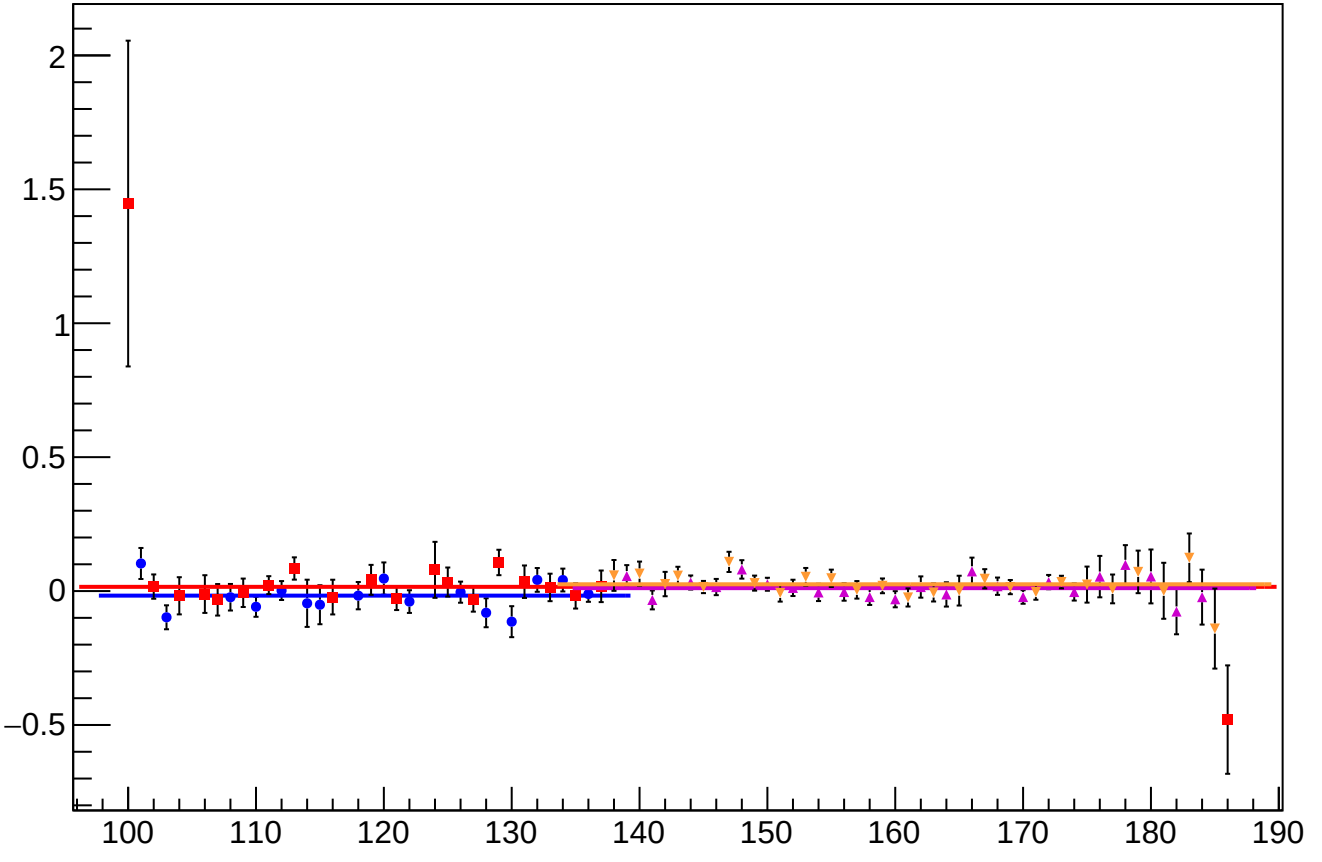
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 2514002.7/40

All: 0.000+/-0.000 χ^2/NDF: 6131915.0/83

- 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: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

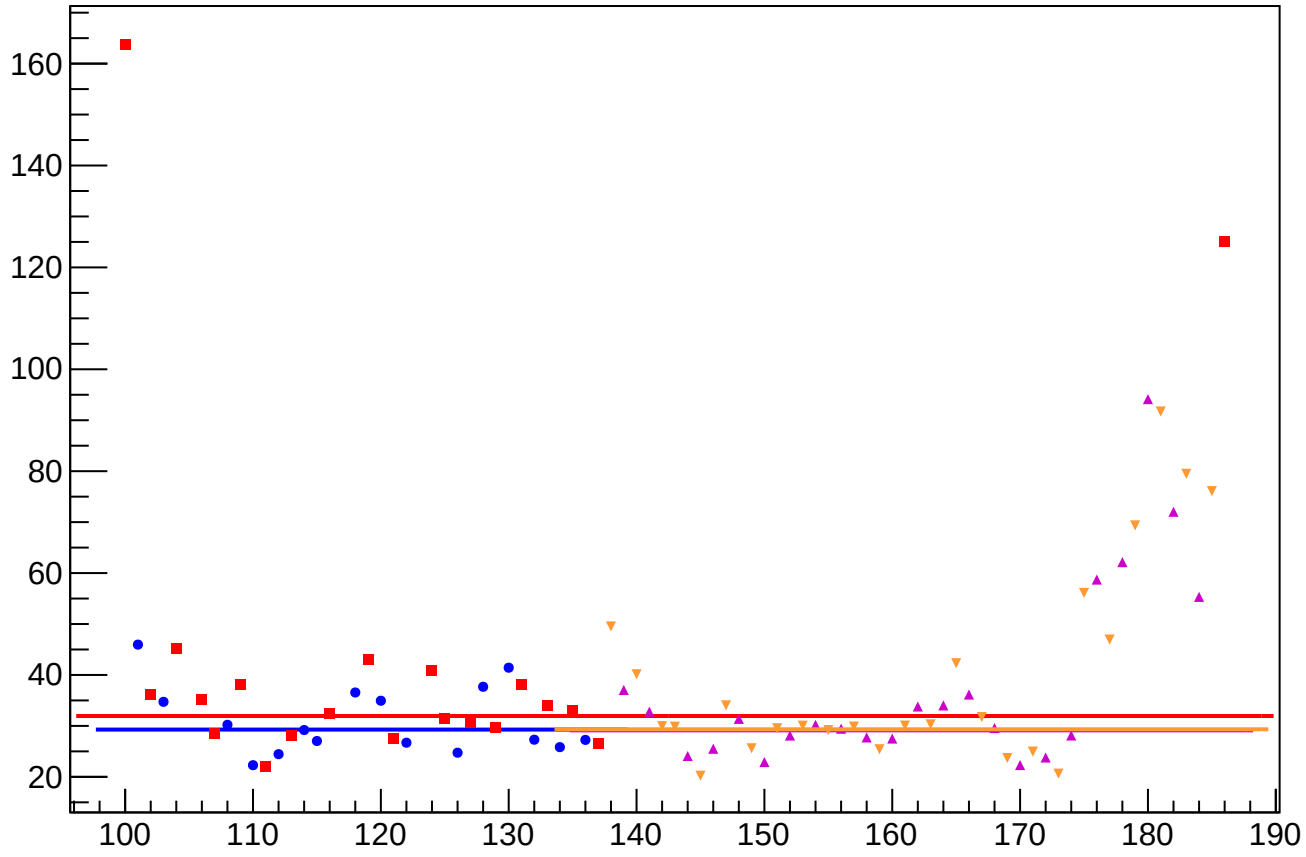
Right Out: 0.016+/-0.012 χ^2/NDF: 22.8/19

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.2/40

All: 0.013+/-0.004 χ^2/NDF: 88.2/83

- sign 0.012+/-0.006 χ^2/NDF: 41.9/42



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

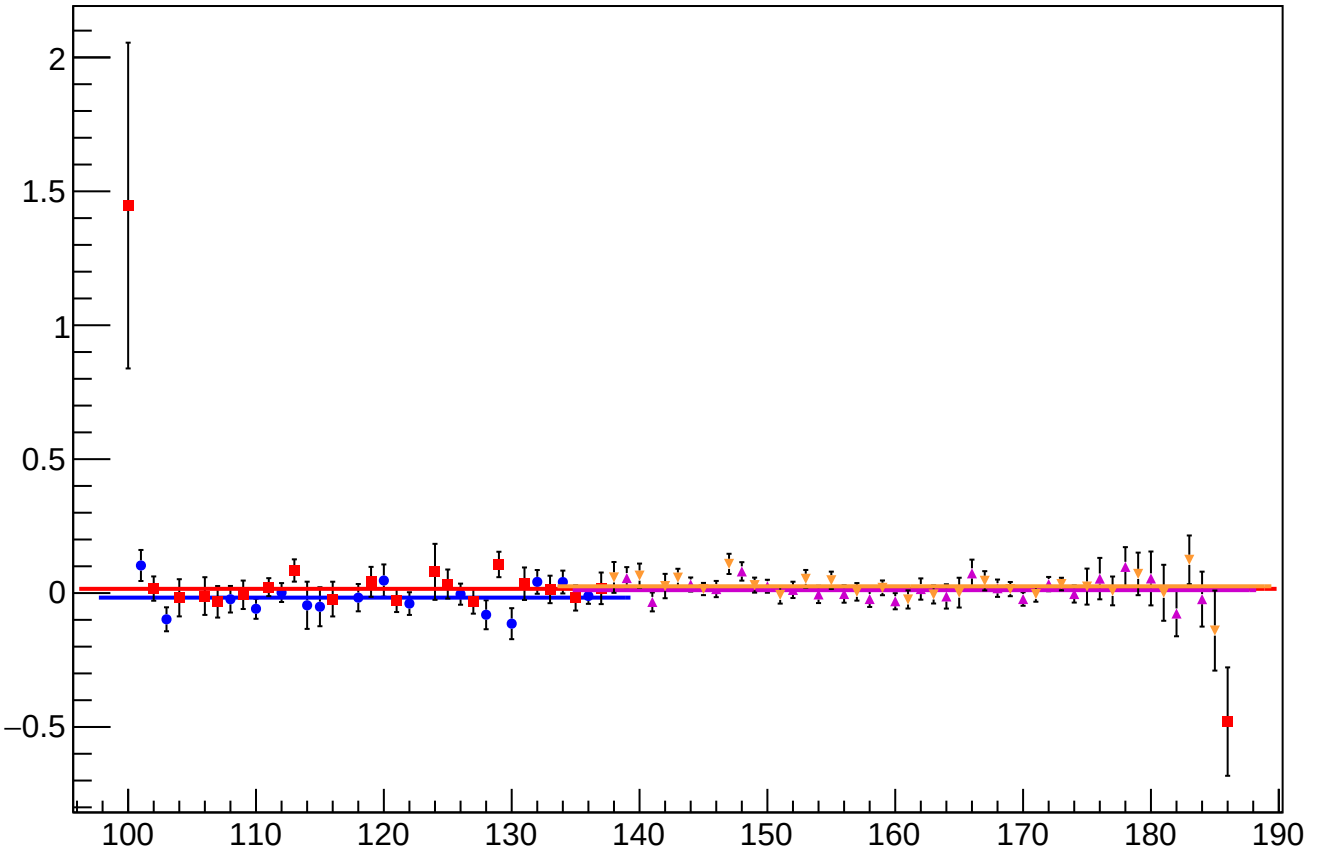
Right Out: 31.946+/-0.009 χ^2/NDF: 996335.9/19

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.318+/-0.004 χ^2/NDF: 4435464.5/40

All: 29.591+/-0.003 χ^2/NDF: 8359145.6/83

- sign 29.879+/-0.004 χ^2/NDF: 3915397.0/42



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

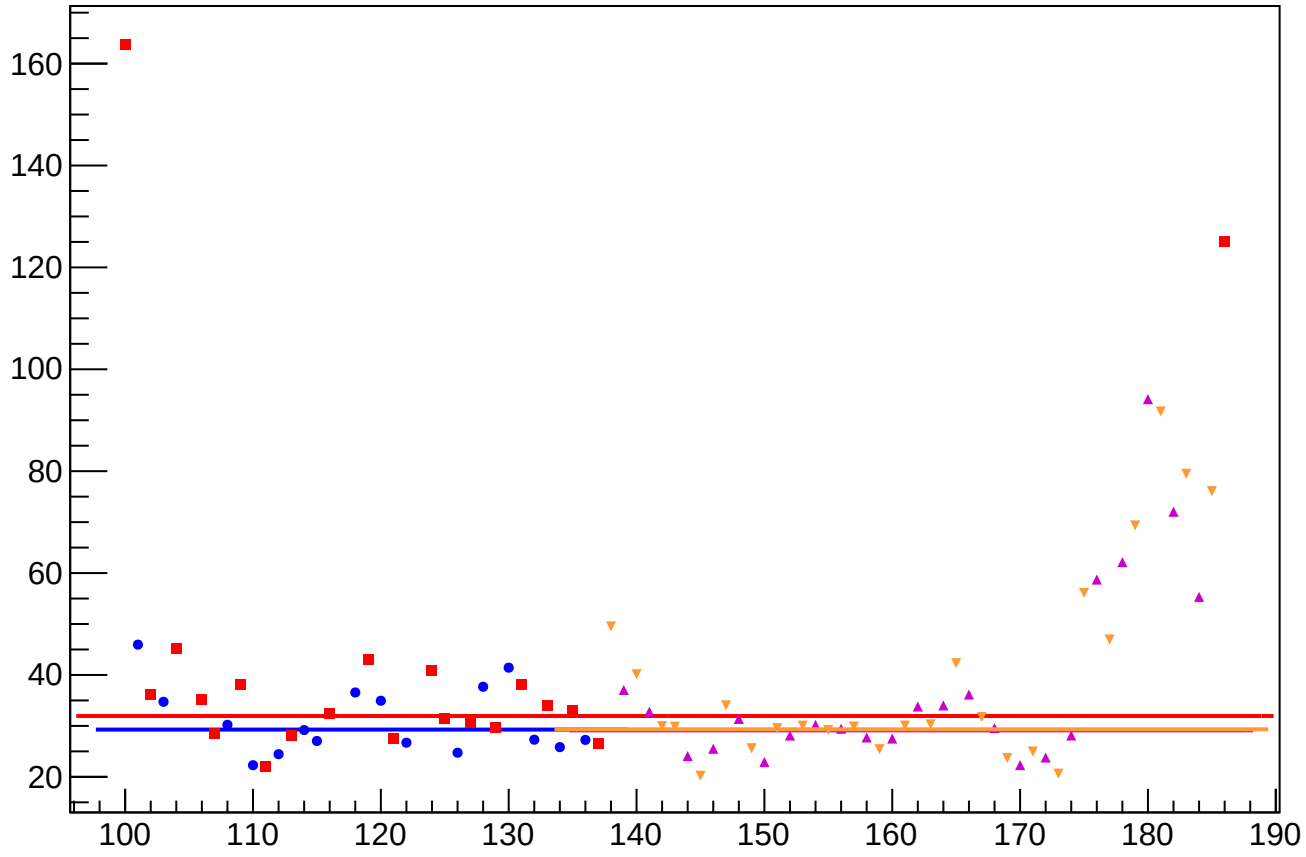
Right Out: 0.016+/-0.012 χ^2/NDF: 22.8/19

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.2/40

All: 0.013+/-0.004 χ^2/NDF: 88.2/83

- sign 0.012+/-0.006 χ^2/NDF: 41.9/42



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

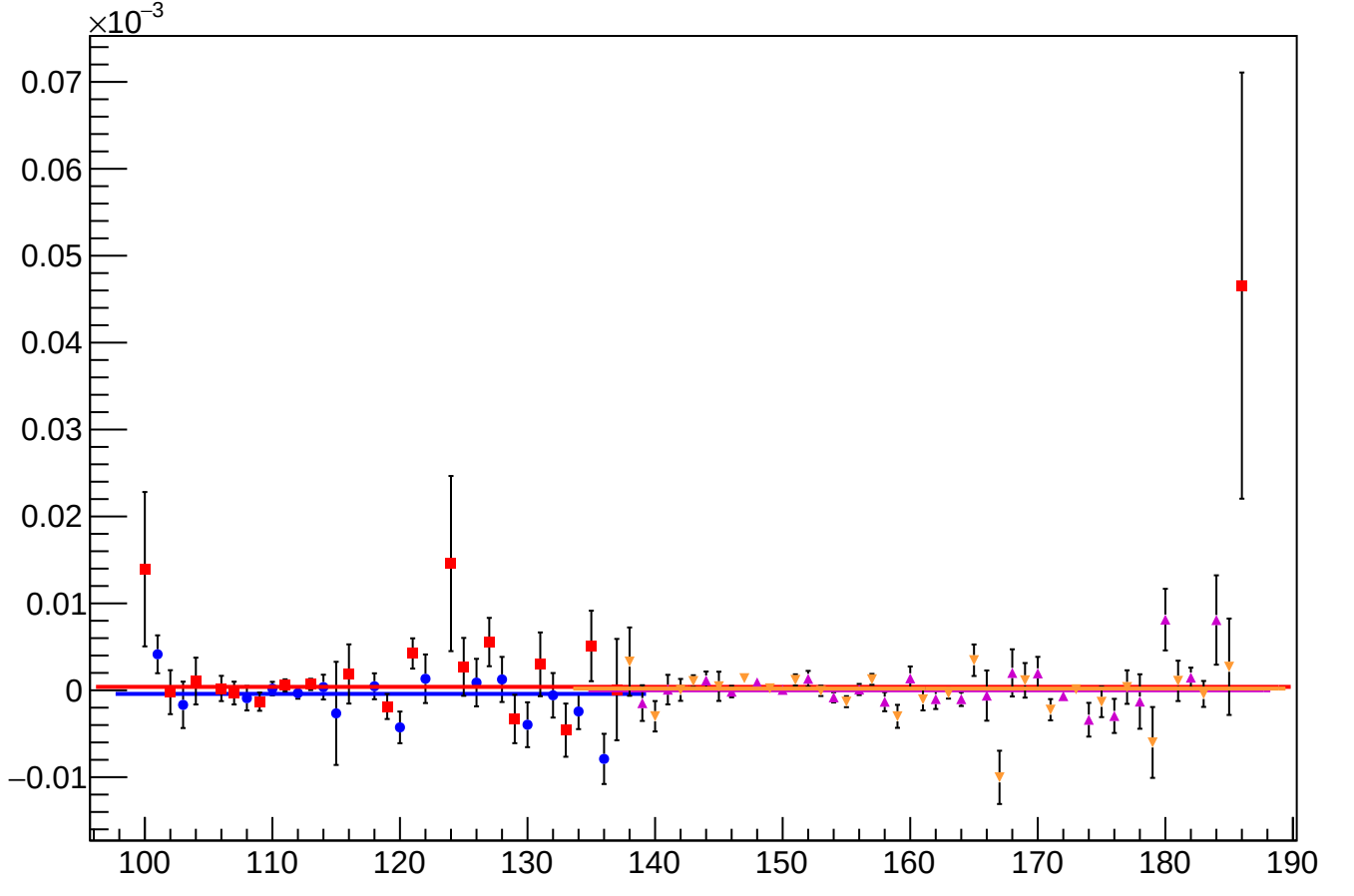
Right Out: 31.946+/-0.009 χ^2/NDF: 996335.9/19

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.318+/-0.004 χ^2/NDF: 4435464.5/40

All: 29.591+/-0.003 χ^2/NDF: 8359145.6/83

- sign 29.879+/-0.004 χ^2/NDF: 3915397.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/19

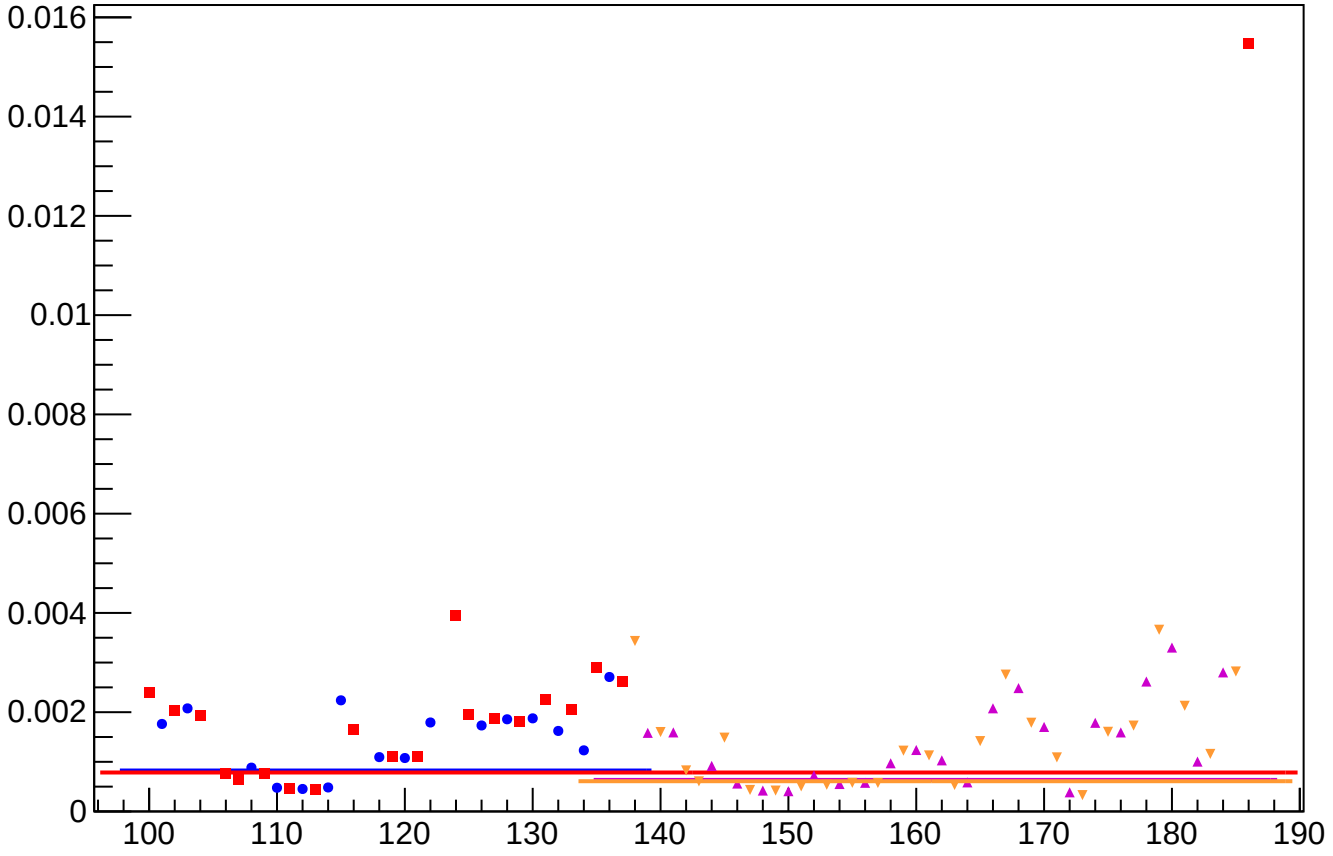
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.1/40

All: 0.000+/-0.000 χ^2/NDF: 138.9/83

- 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: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

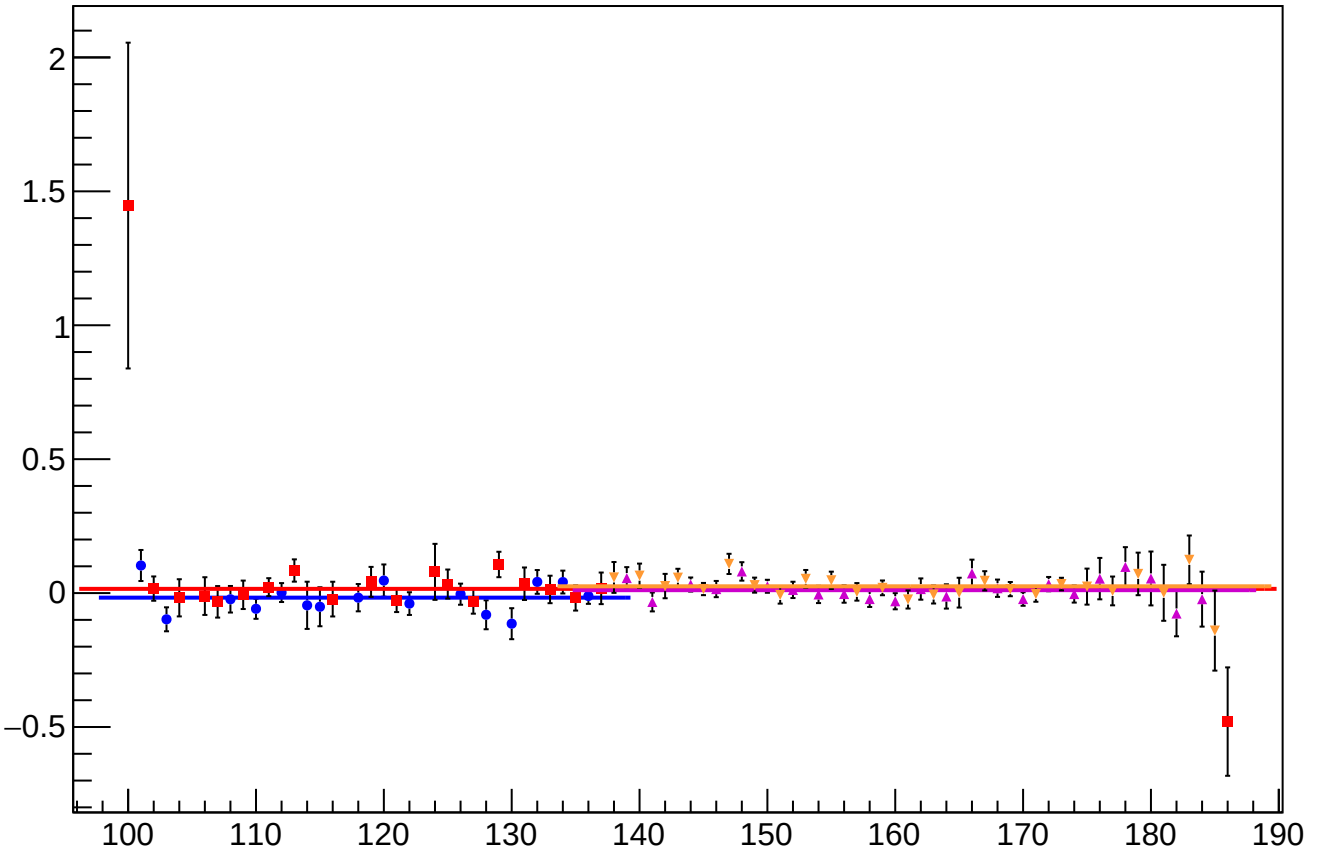
Right Out: 0.001+/-0.000 χ^2/NDF: 5356412.9/19

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 15972790.6/40

All: 0.001+/-0.000 χ^2/NDF: 31013696.9/83

- sign 0.001+/-0.000 χ^2/NDF: 15023290.7/42



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

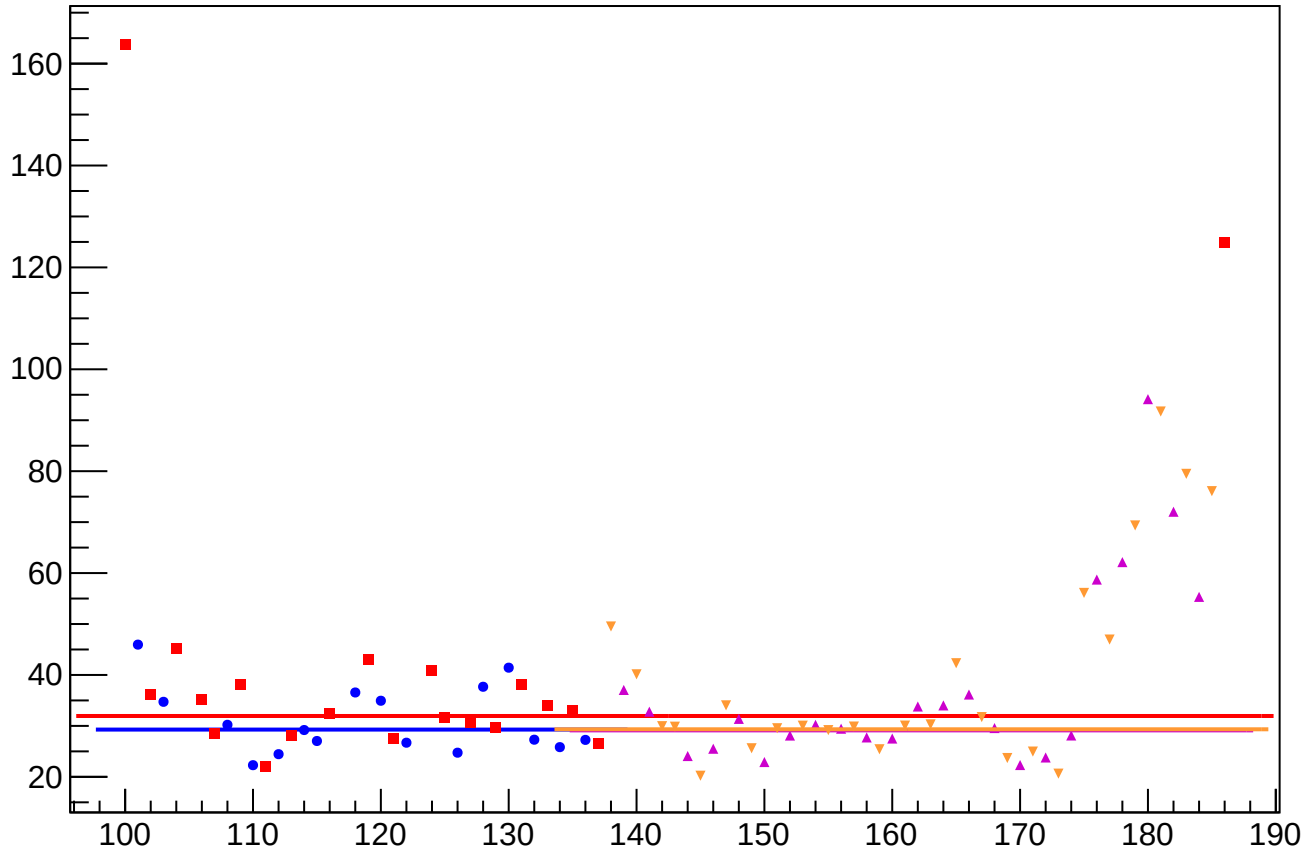
Right Out: 0.016+/-0.012 χ^2/NDF: 22.8/19

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.2/40

All: 0.013+/-0.004 χ^2/NDF: 88.2/83

- sign 0.012+/-0.006 χ^2/NDF: 41.9/42



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 31.946+/-0.009 χ^2/NDF: 996305.2/19

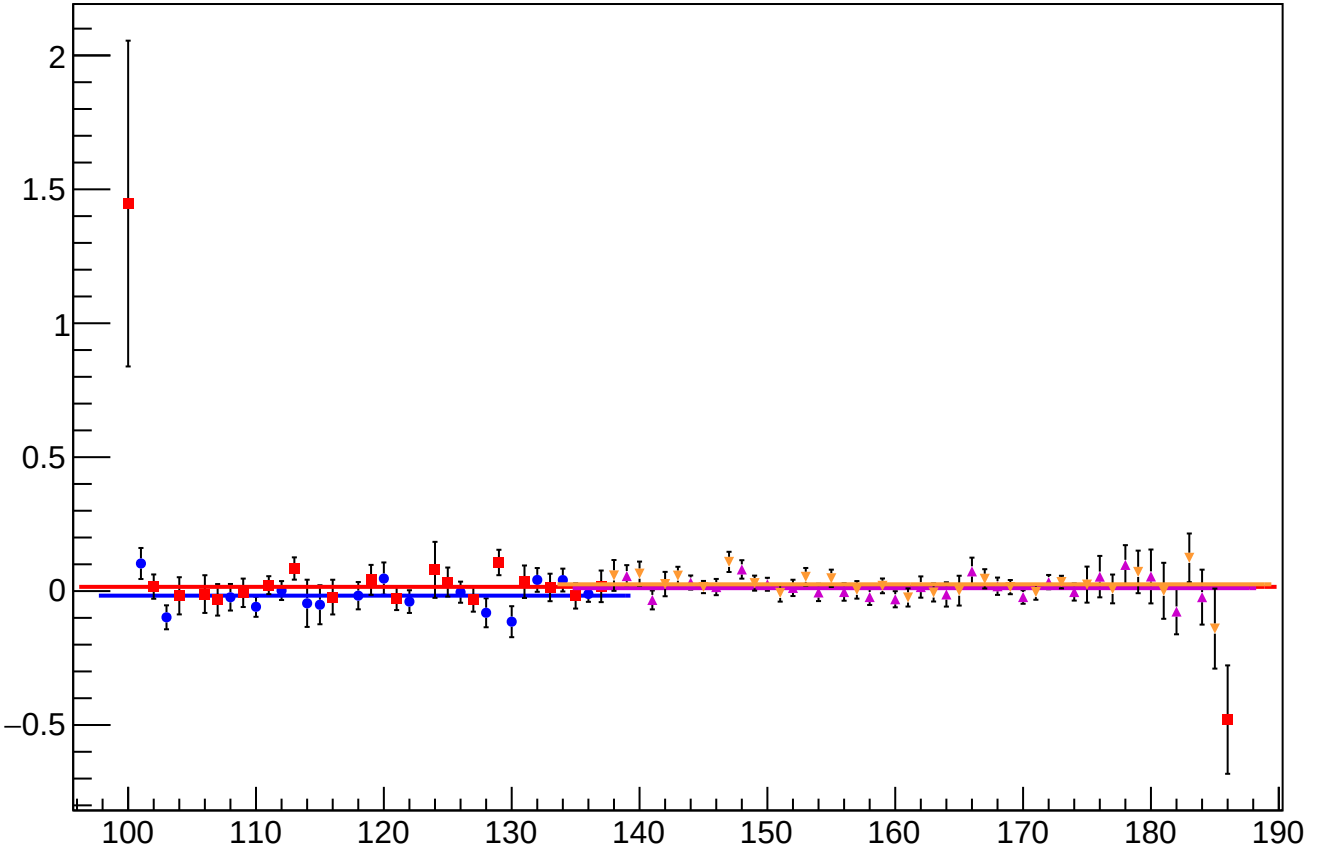
Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.318+/-0.004 χ^2/NDF: 4435527.7/40

All: 29.590+/-0.003 χ^2/NDF: 8359168.2/83

- 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: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

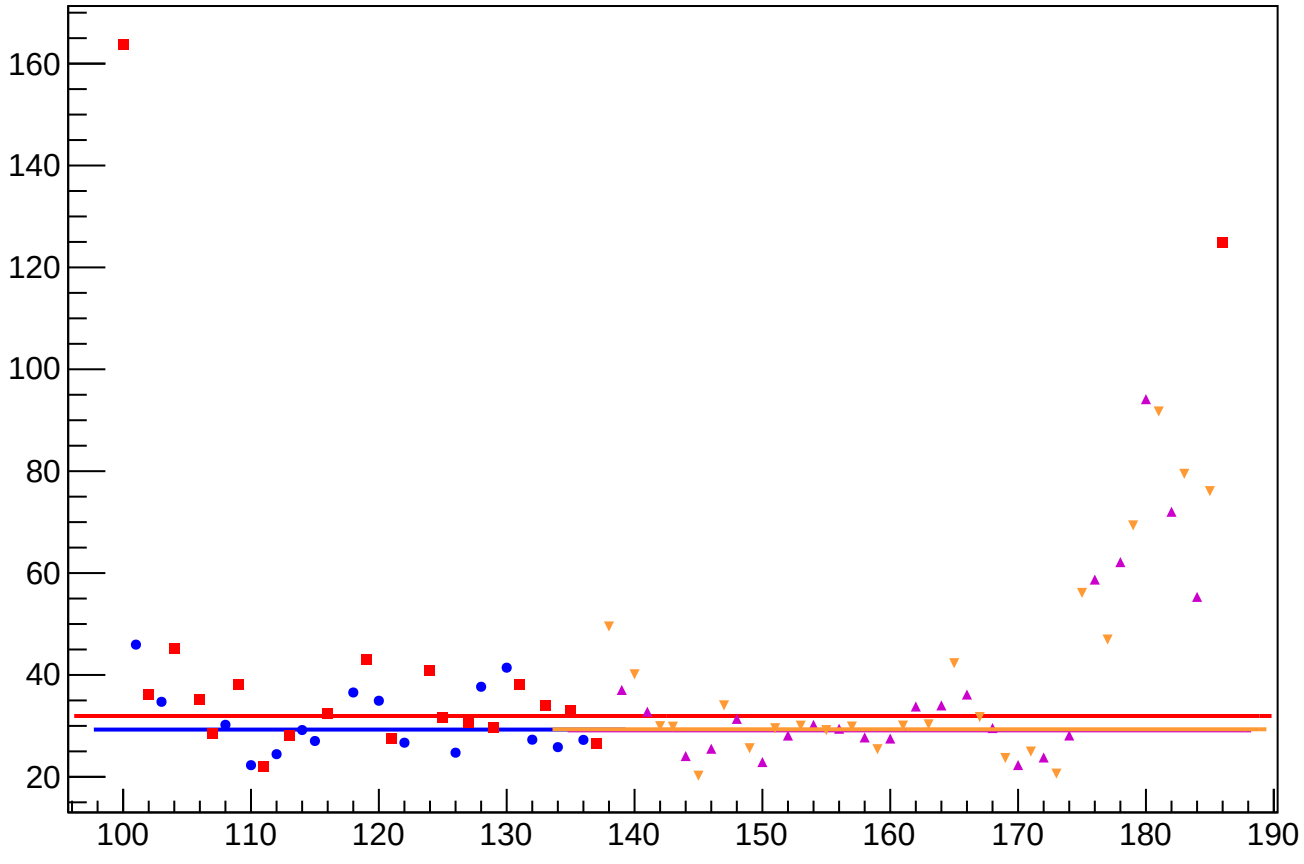
Right Out: 0.016+/-0.012 χ^2/NDF: 22.8/19

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.2/40

All: 0.013+/-0.004 χ^2/NDF: 88.2/83

- sign 0.012+/-0.006 χ^2/NDF: 41.9/42



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

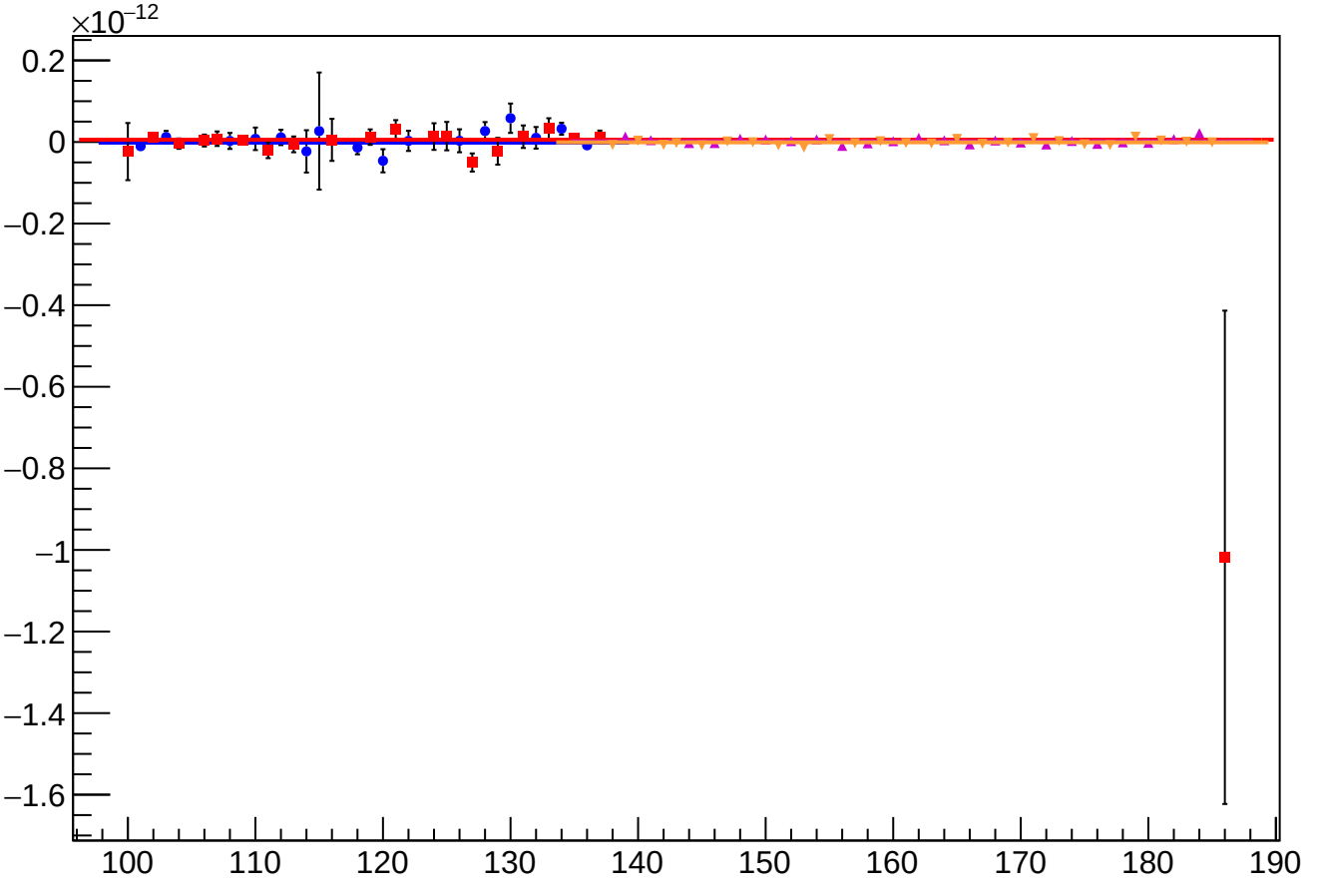
Right Out: 31.946+/-0.009 χ^2/NDF: 996305.2/19

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.318+/-0.004 χ^2/NDF: 4435527.7/40

All: 29.590+/-0.003 χ^2/NDF: 8359168.2/83

- sign 29.879+/-0.004 χ^2/NDF: 3915354.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

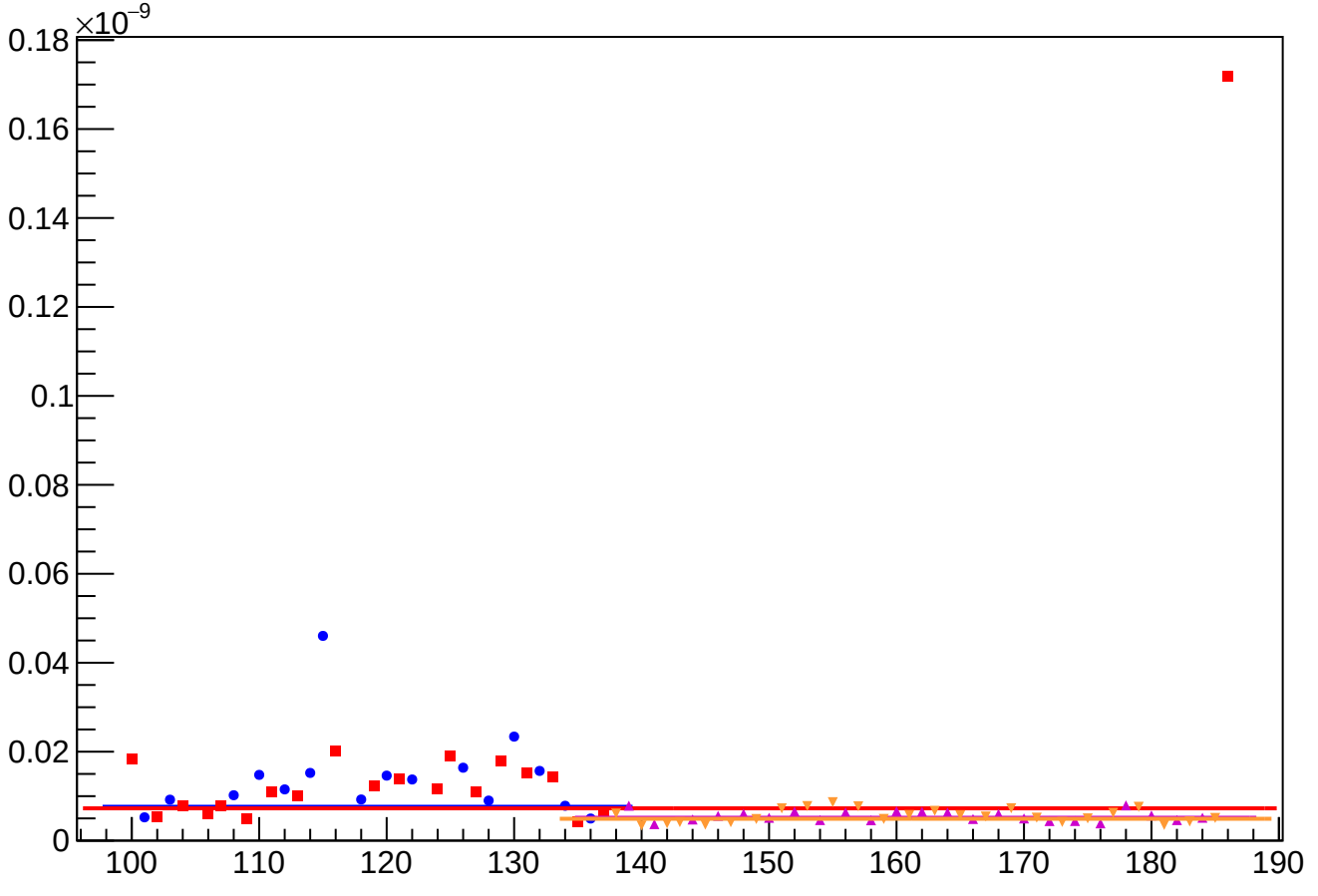
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/19

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.0/40

All: 0.000+/-0.000 χ^2/NDF: 68.2/83

- sign 0.000+/-0.000 χ^2/NDF: 33.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2146395.5/19

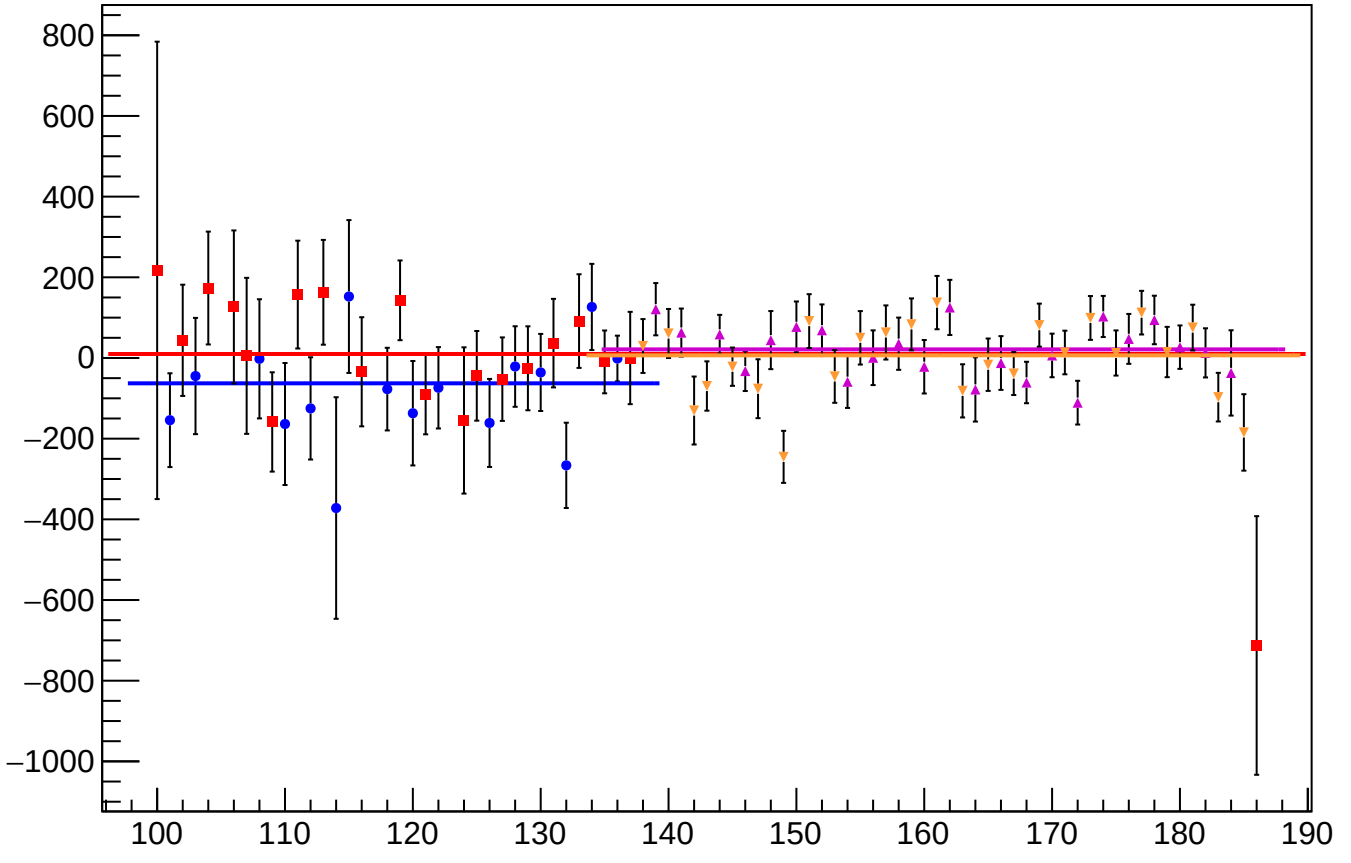
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4771699.1/40

All: 0.000+/-0.000 χ^2/NDF: 8498597.4/83

- sign 0.000+/-0.000 χ^2/NDF: 3703153.1/42

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: 9.865+/-27.666 χ^2/NDF: 16.6/19

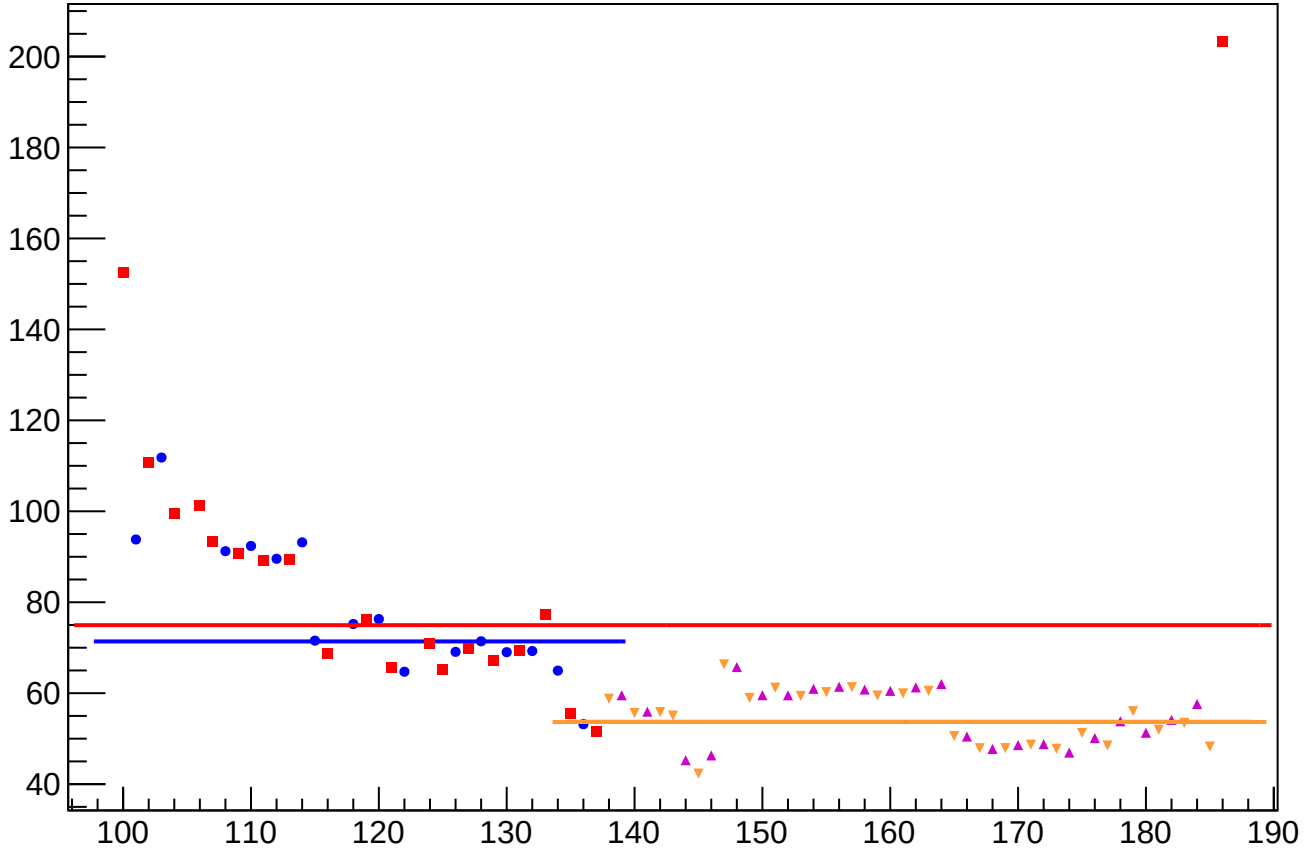
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -5.216+/-11.199 χ^2/NDF: 69.5/40

All: 6.738+/-8.024 χ^2/NDF: 113.9/83

- sign 19.352+/-11.504 χ^2/NDF: 42.1/42

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 74.957+/-0.020 χ^2/NDF: 961255.3/19

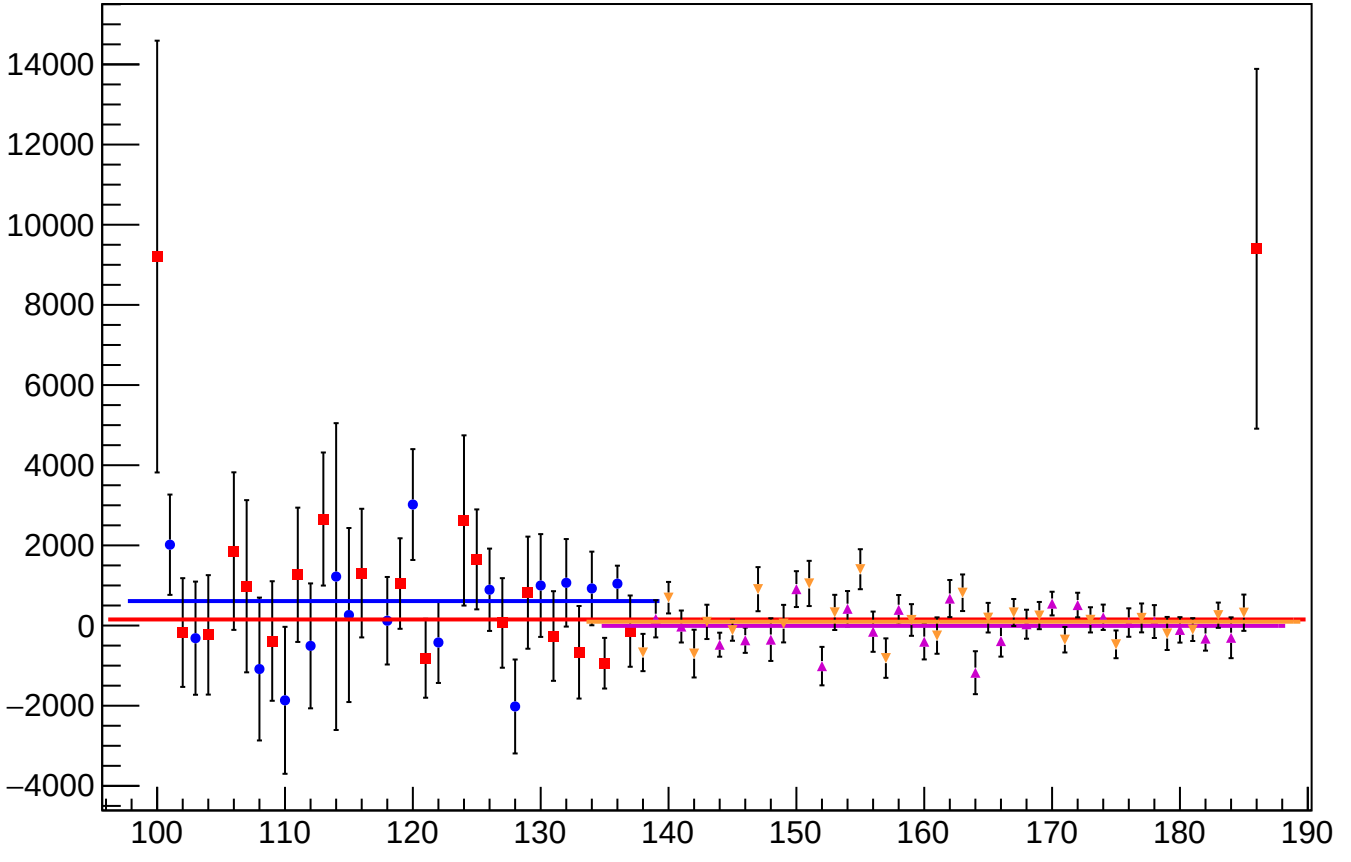
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 56.666+/-0.008 χ^2/NDF: 1767334.3/40

All: 57.009+/-0.006 χ^2/NDF: 4180780.7/83

- sign 57.371+/-0.008 χ^2/NDF: 2409592.4/42

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

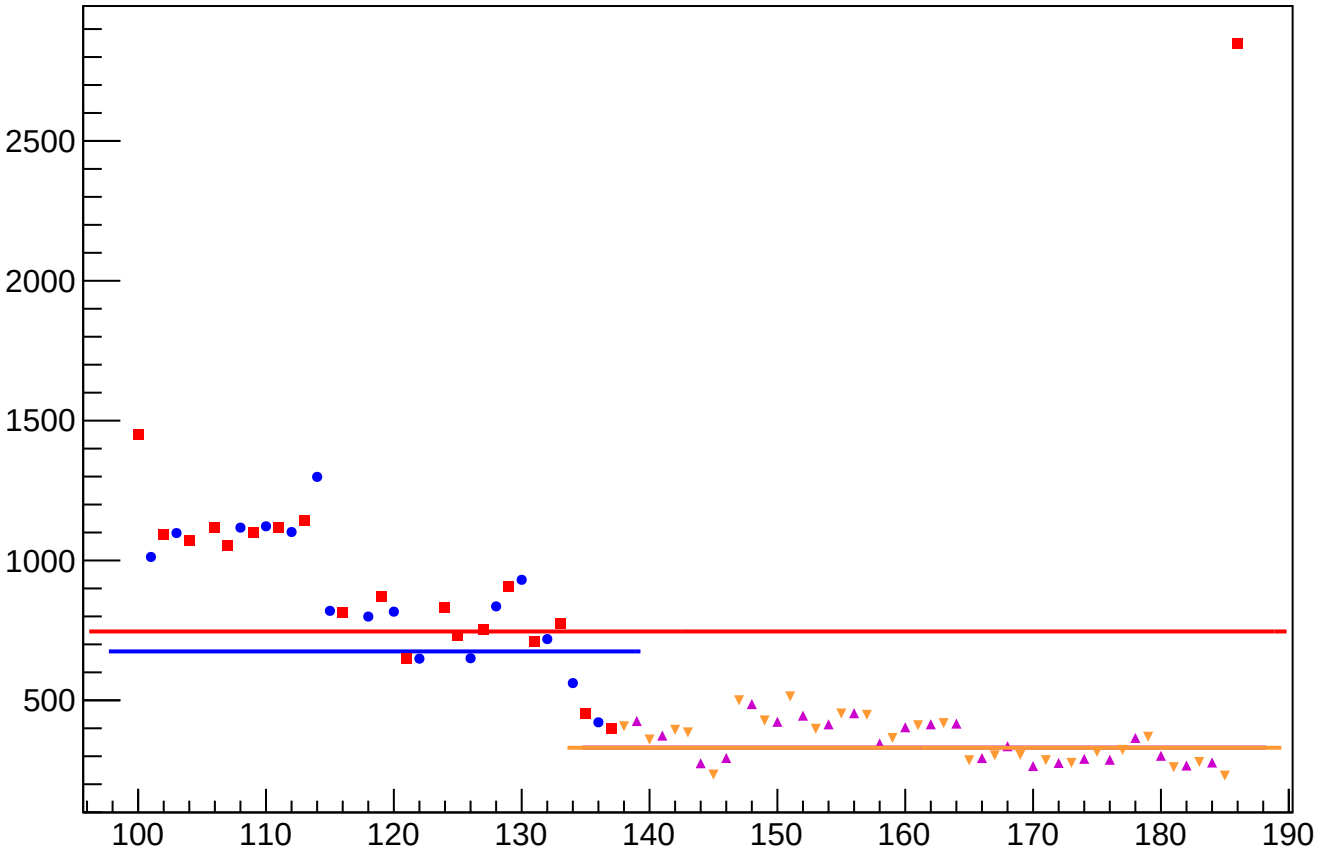
Right Out: 151.741+/-283.743 χ^2/NDF: 19.8/19

Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 135.189+/-74.100 χ^2/NDF: 52.3/40

All: 71.267+/-53.129 χ^2/NDF: 106.3/83

- sign 3.638+/-76.217 χ^2/NDF: 52.4/42



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 746.108+/-0.201 χ^2/NDF: 1957199.7/19

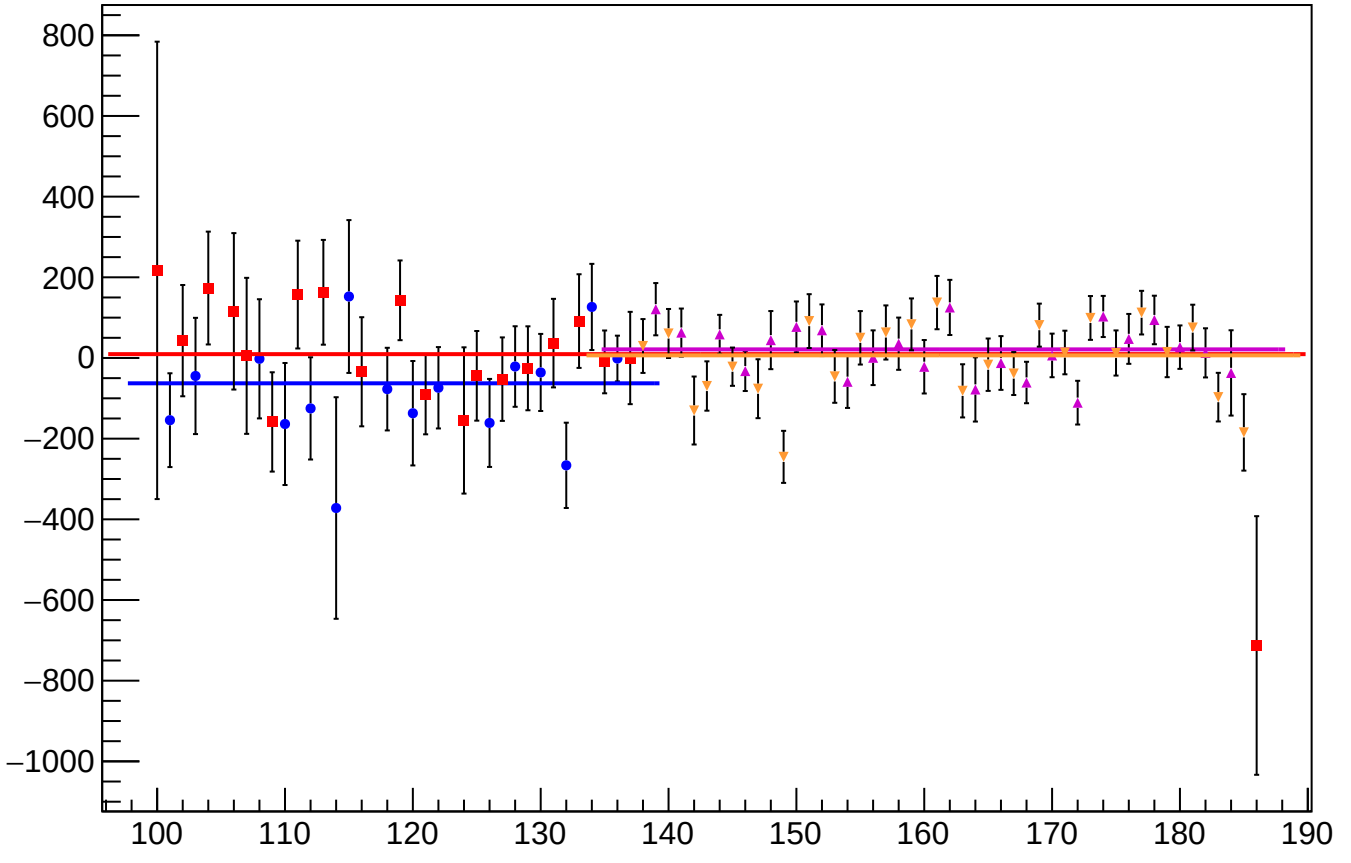
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 356.973+/-0.052 χ^2/NDF: 6446016.6/40

All: 358.932+/-0.038 χ^2/NDF: 13702304.5/83

- sign 361.006+/-0.054 χ^2/NDF: 7253408.7/42

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 9.506+/-27.679 χ^2/NDF: 16.5/19

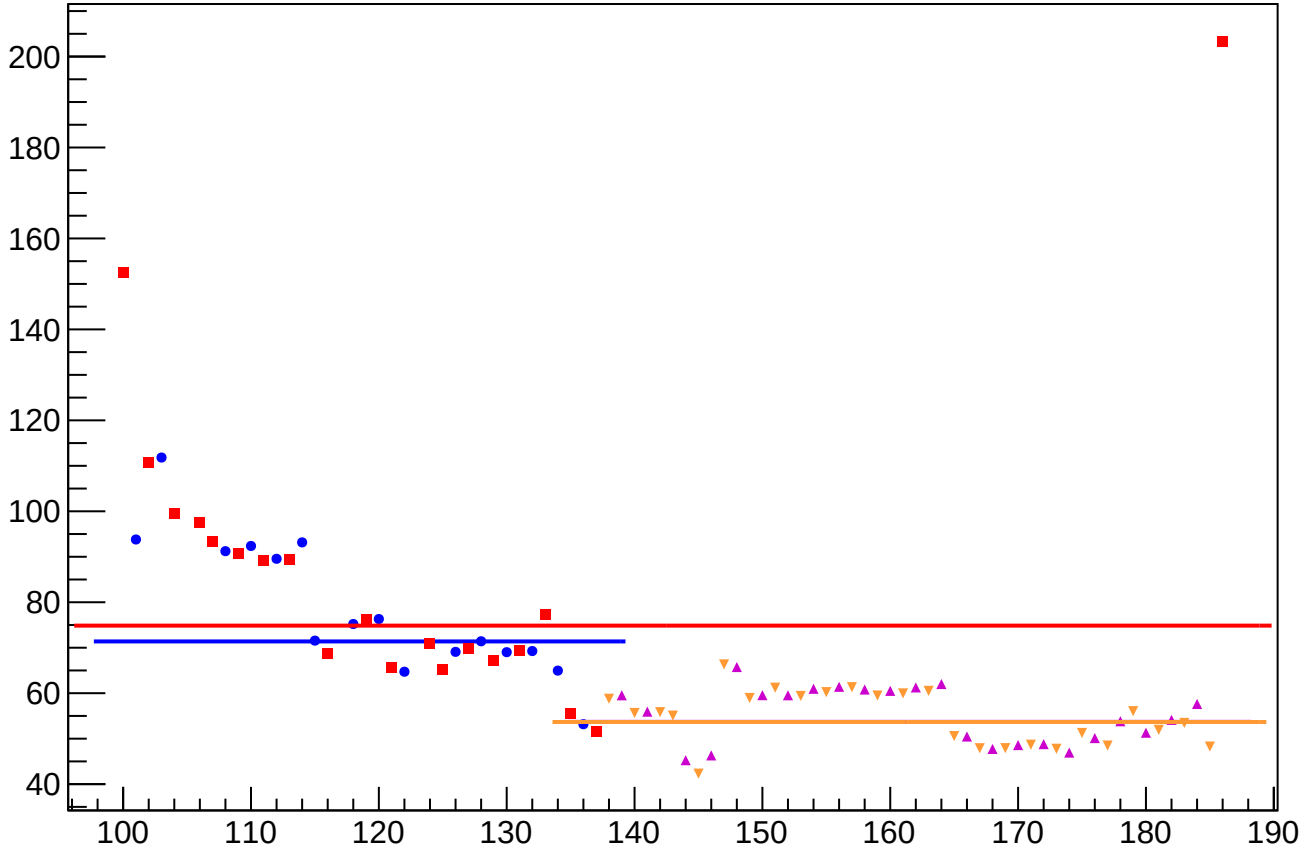
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -5.212+/-11.199 χ^2/NDF: 69.5/40

All: 6.709+/-8.025 χ^2/NDF: 113.8/83

- sign 19.291+/-11.505 χ^2/NDF: 42.0/42

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

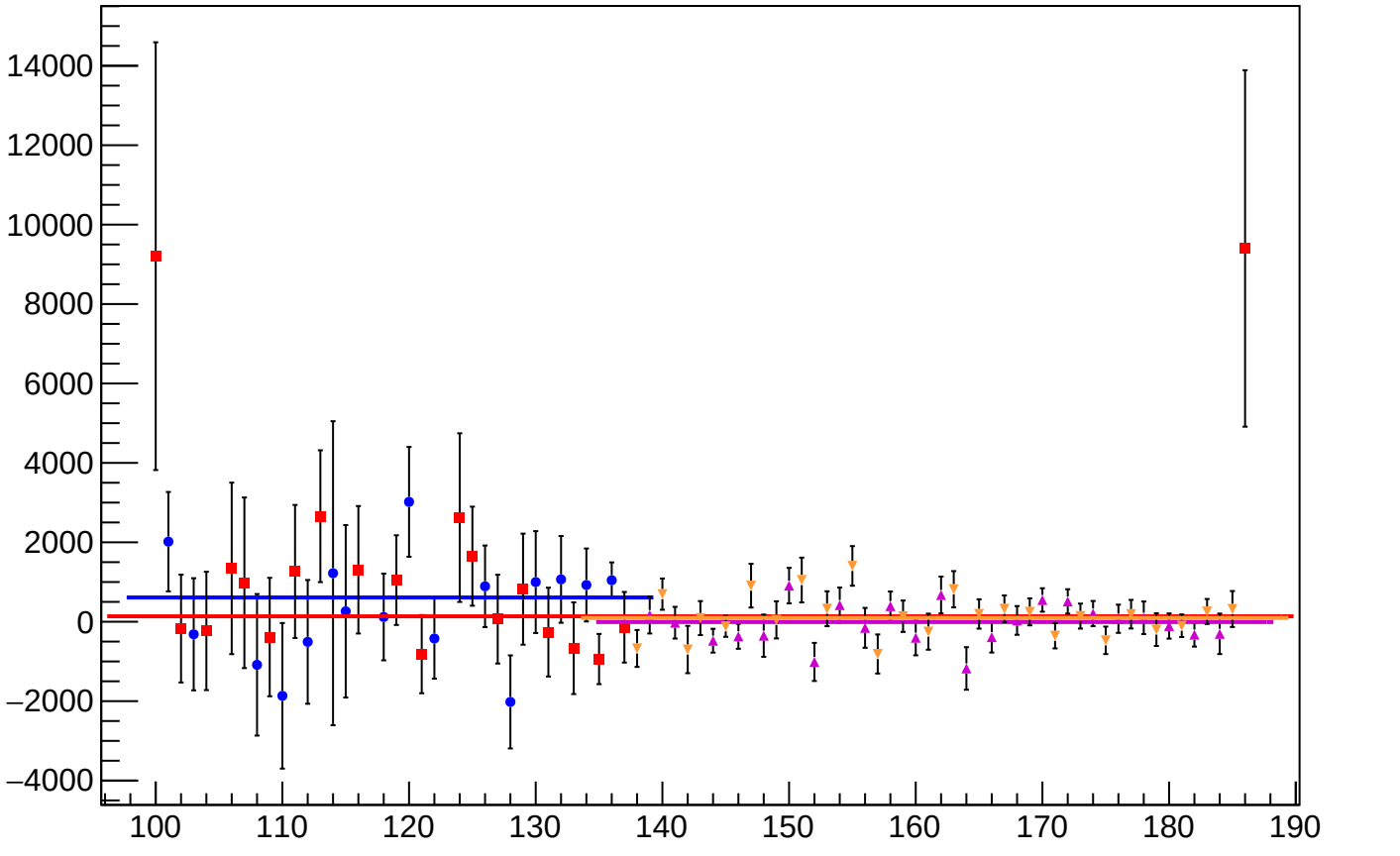
Right Out: 74.858+/-0.020 χ^2/NDF: 950320.2/19

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 56.666+/-0.008 χ^2/NDF: 1767336.8/40

All: 56.999+/-0.006 χ^2/NDF: 4159882.7/83

- sign 57.351+/-0.008 χ^2/NDF: 2388905.9/42



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

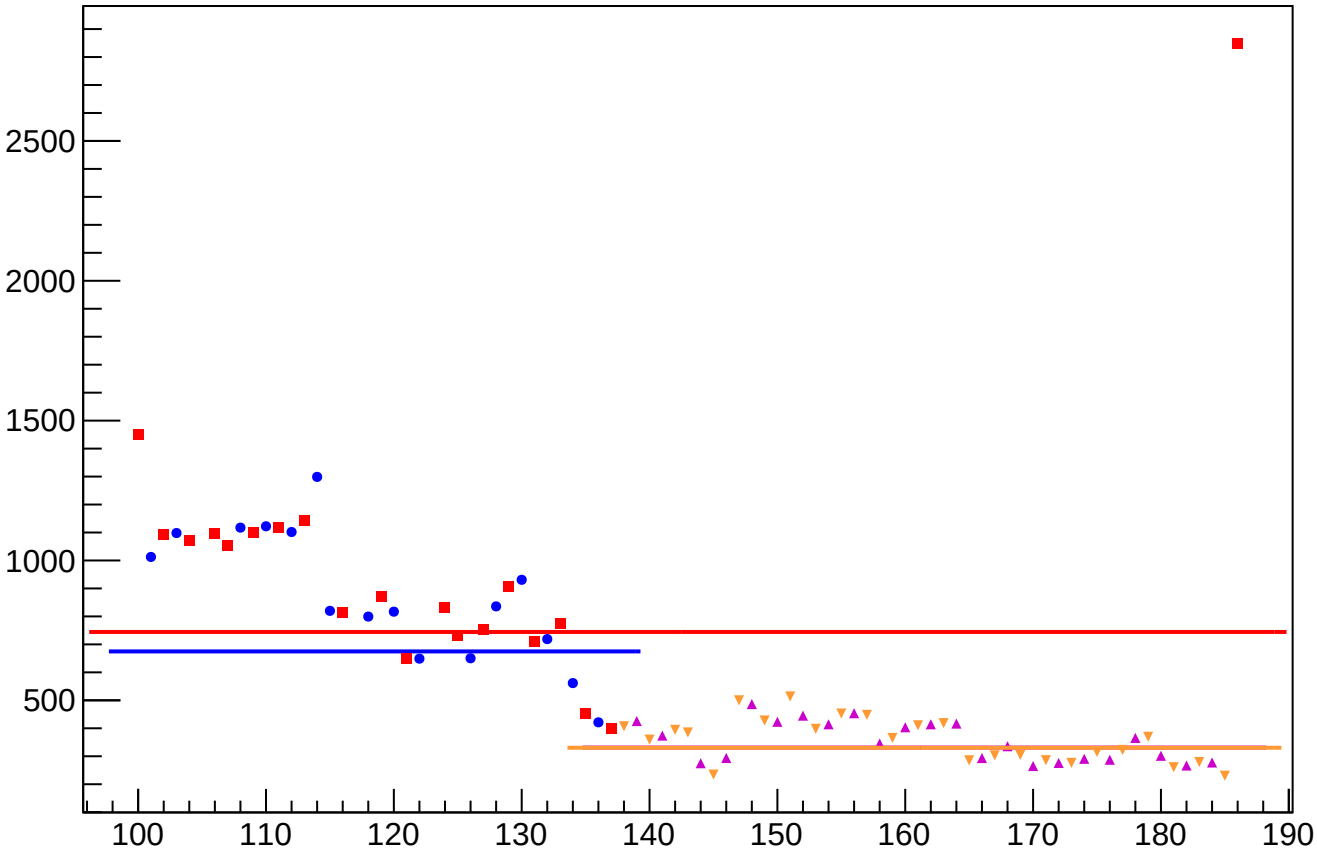
Right Out: 136.860+/-284.259 χ^2/NDF: 19.4/19

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 135.190+/-74.100 χ^2/NDF: 52.3/40

All: 70.739+/-53.133 χ^2/NDF: 105.8/83

- sign 2.533+/-76.227 χ^2/NDF: 51.9/42



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 744.392+/-0.201 χ^2/NDF: 1938154.0/19

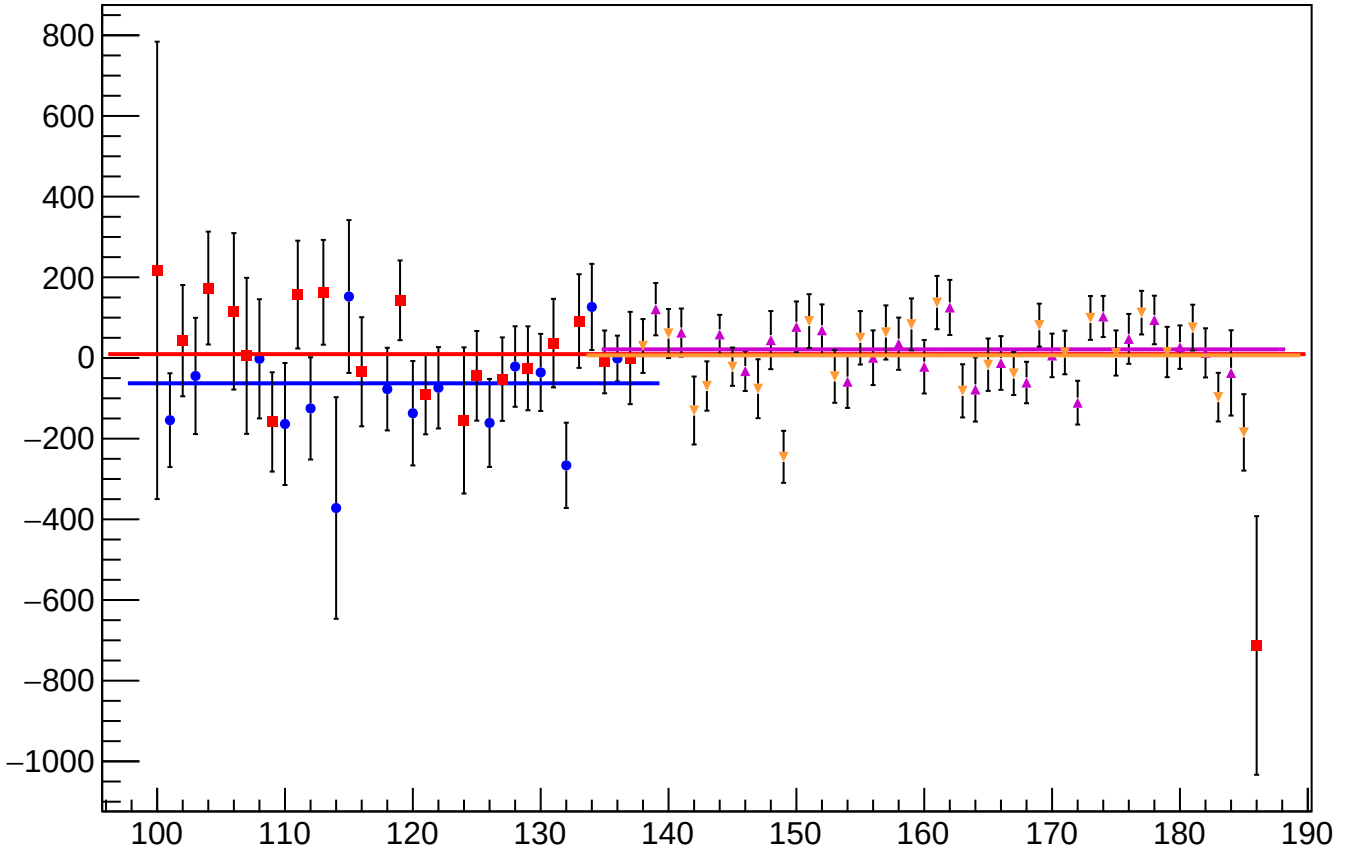
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 356.973+/-0.052 χ^2/NDF: 6446036.2/40

All: 358.823+/-0.038 χ^2/NDF: 13636934.2/83

- sign 360.782+/-0.054 χ^2/NDF: 7188330.6/42

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 9.506+/-27.679 χ^2/NDF: 16.5/19

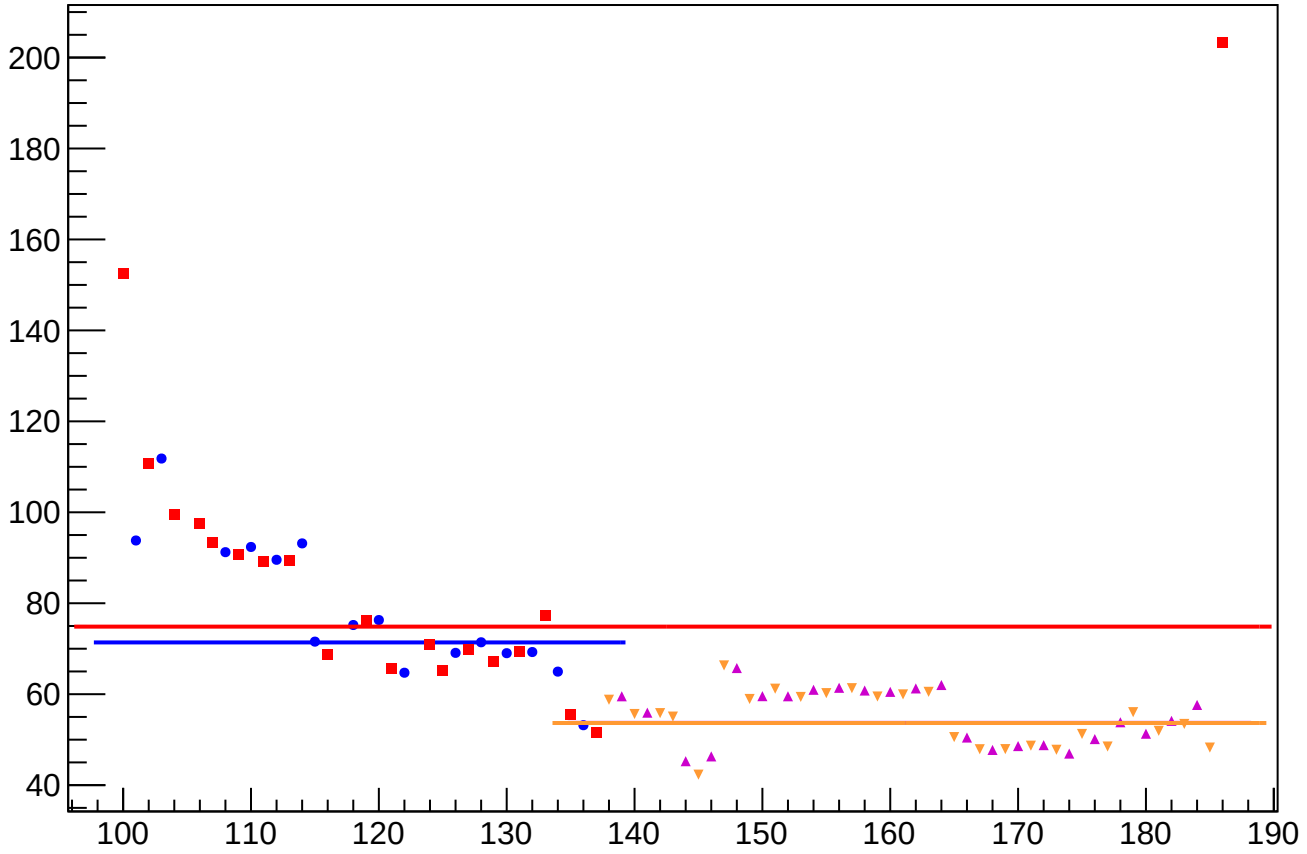
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -5.212+/-11.199 χ^2/NDF: 69.5/40

All: 6.709+/-8.025 χ^2/NDF: 113.8/83

- sign 19.291+/-11.505 χ^2/NDF: 42.0/42

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

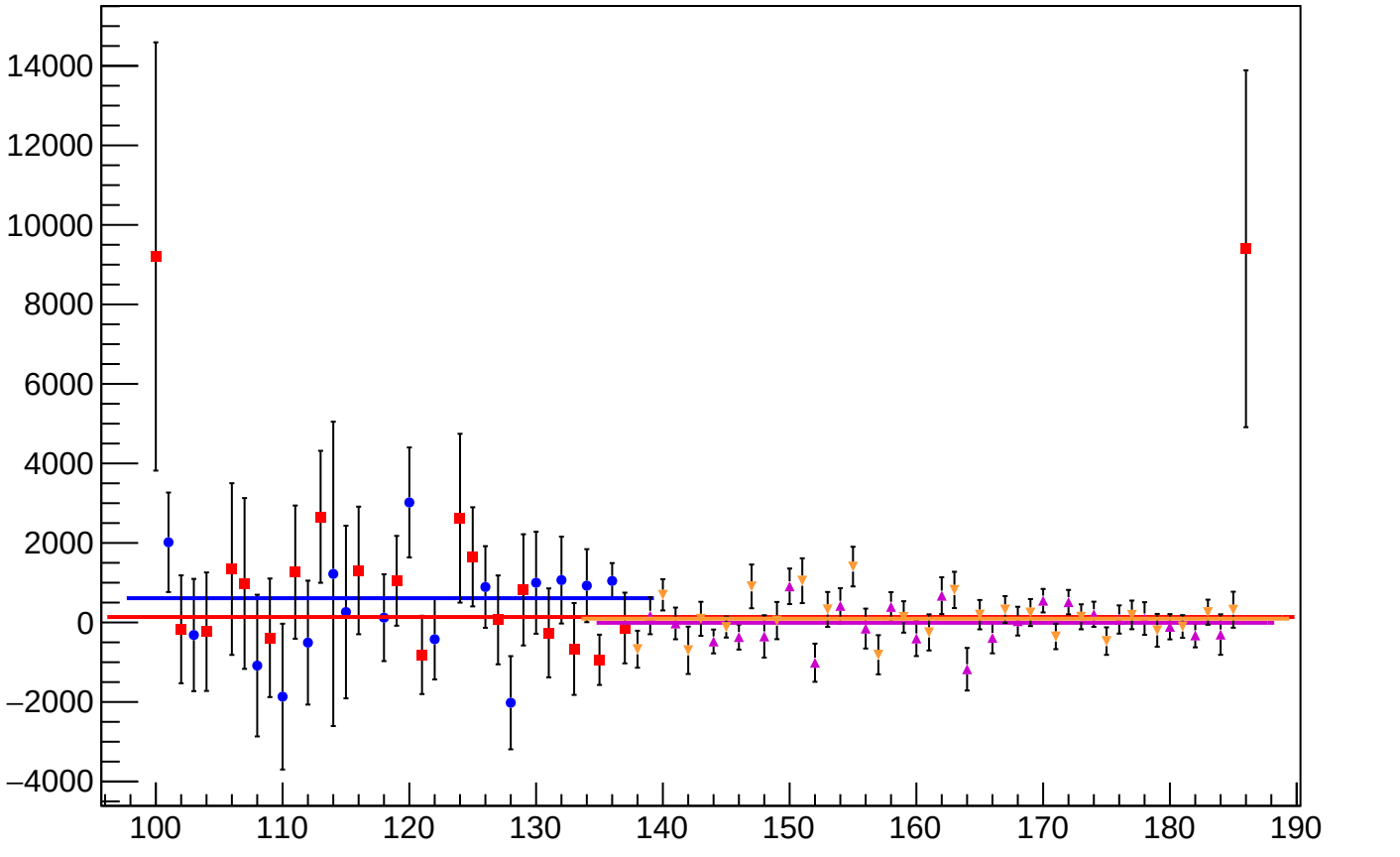
Right Out: 74.858+/-0.020 χ^2/NDF: 950320.2/19

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 56.666+/-0.008 χ^2/NDF: 1767336.8/40

All: 56.999+/-0.006 χ^2/NDF: 4159882.7/83

- sign 57.351+/-0.008 χ^2/NDF: 2388905.9/42



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

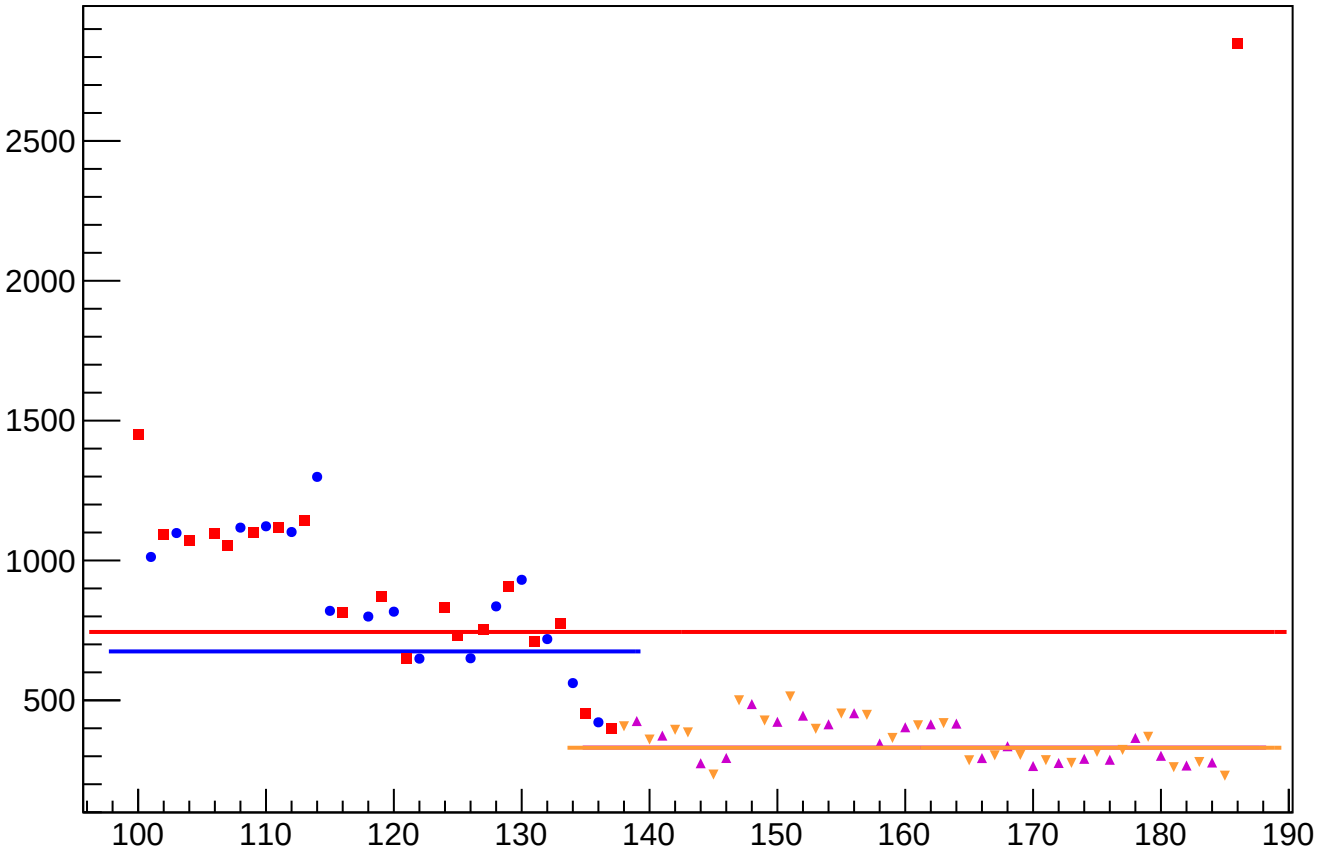
Right Out: 136.860+/-284.259 χ^2/NDF: 19.4/19

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 135.190+/-74.100 χ^2/NDF: 52.3/40

All: 70.739+/-53.133 χ^2/NDF: 105.8/83

- sign 2.533+/-76.227 χ^2/NDF: 51.9/42



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 744.392+/-0.201 χ^2/NDF: 1938154.0/19

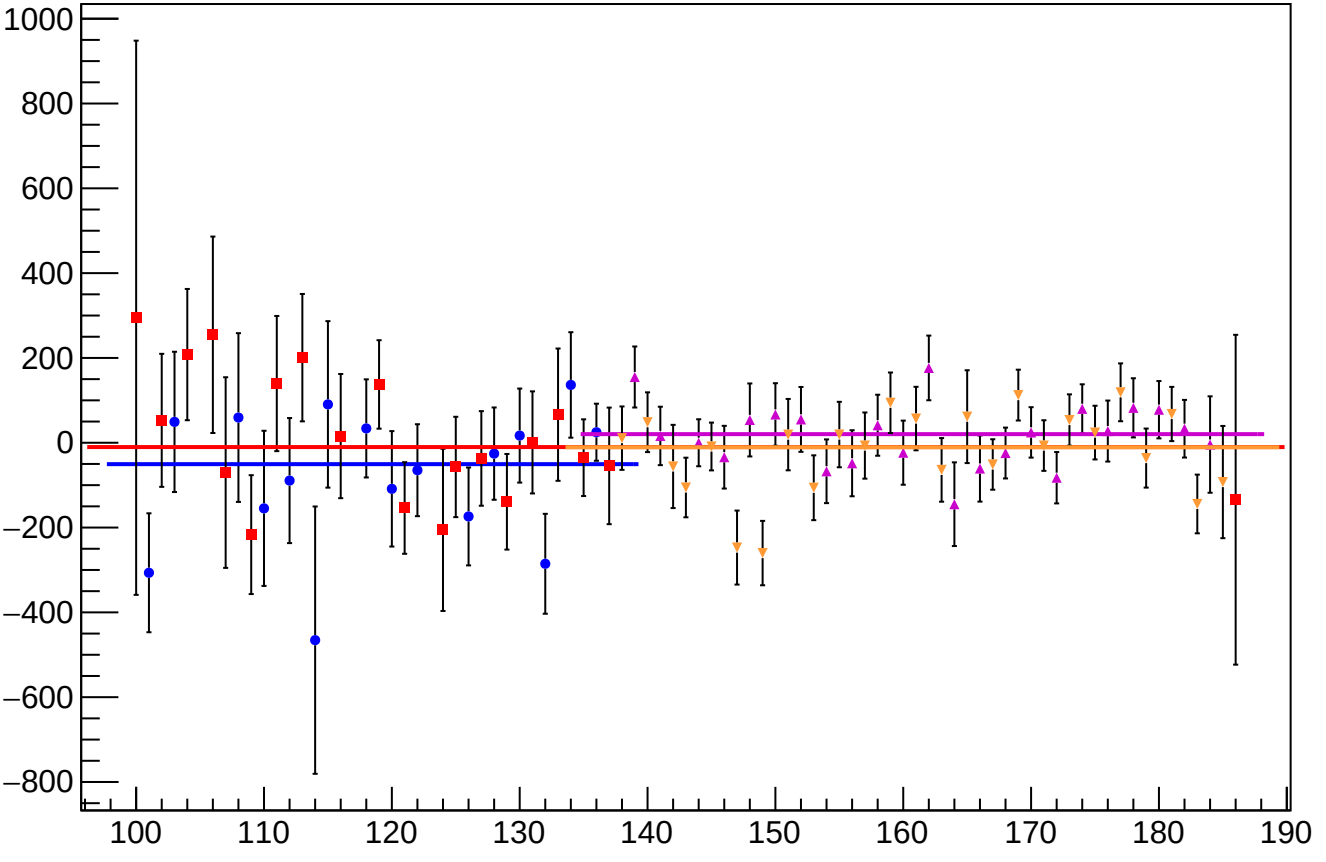
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 356.973+/-0.052 χ^2/NDF: 6446036.2/40

All: 358.823+/-0.038 χ^2/NDF: 13636934.2/83

- sign 360.782+/-0.054 χ^2/NDF: 7188330.6/42

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -10.182+/-31.134 χ^2/NDF: 15.7/19

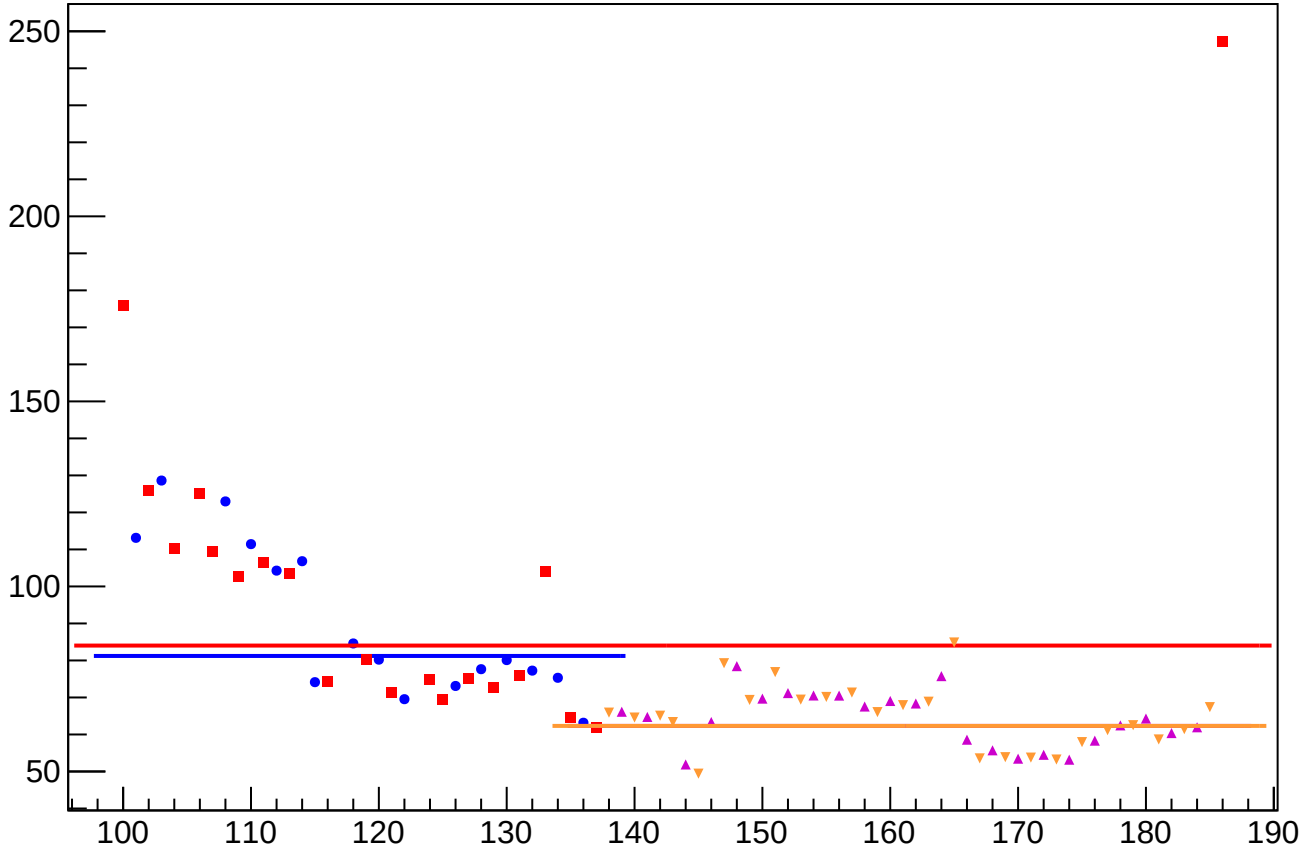
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -17.592+/-12.998 χ^2/NDF: 60.0/40

All: -1.845+/-9.306 χ^2/NDF: 101.1/83

- sign 14.717+/-13.330 χ^2/NDF: 38.1/42

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 84.023+/-0.022 χ^2/NDF: 1084680.4/19

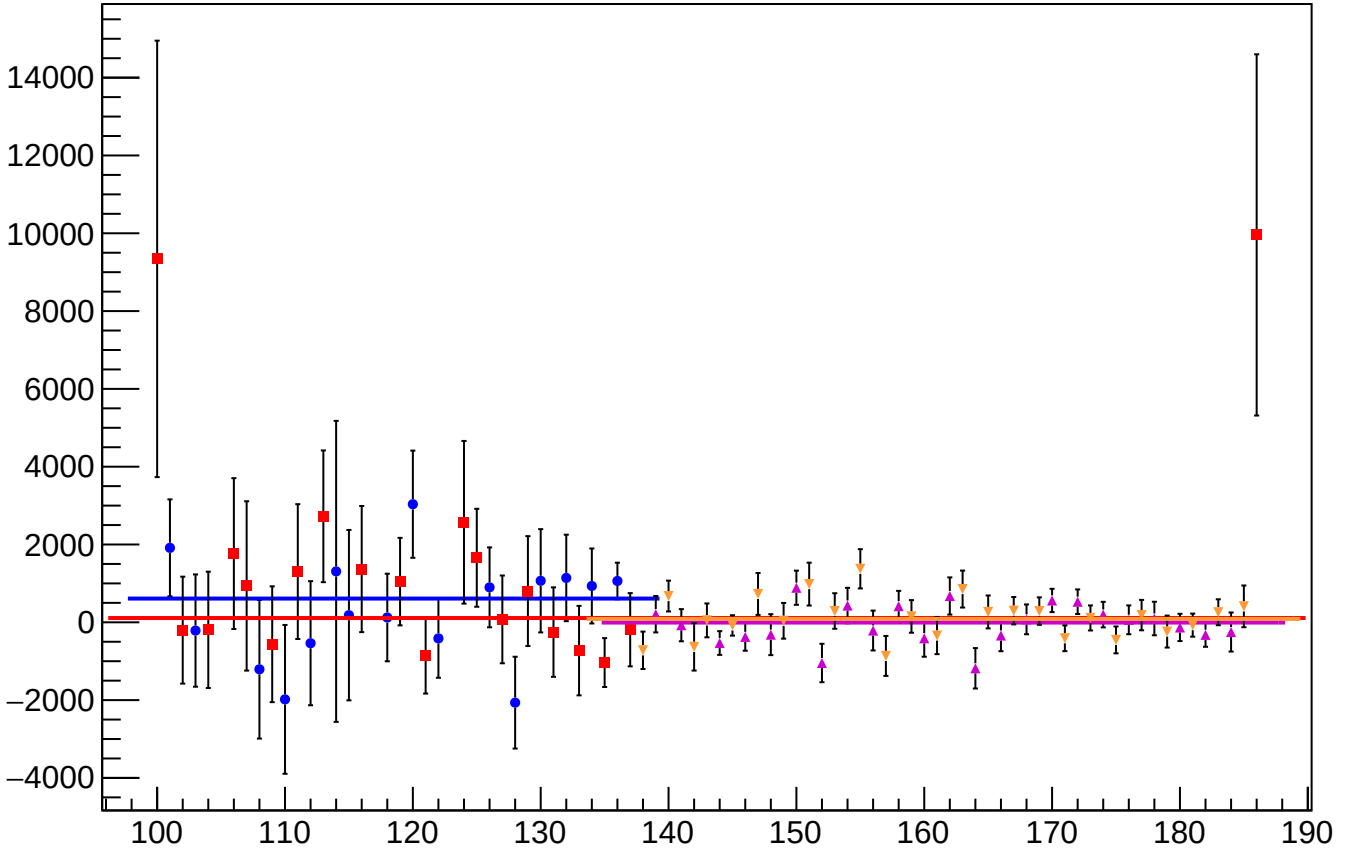
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 65.626+/-0.009 χ^2/NDF: 1910080.4/40

All: 65.950+/-0.007 χ^2/NDF: 4276269.5/83

- sign 66.290+/-0.009 χ^2/NDF: 2363641.9/42

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 109.899+/-286.284 χ^2/NDF: 20.7/19

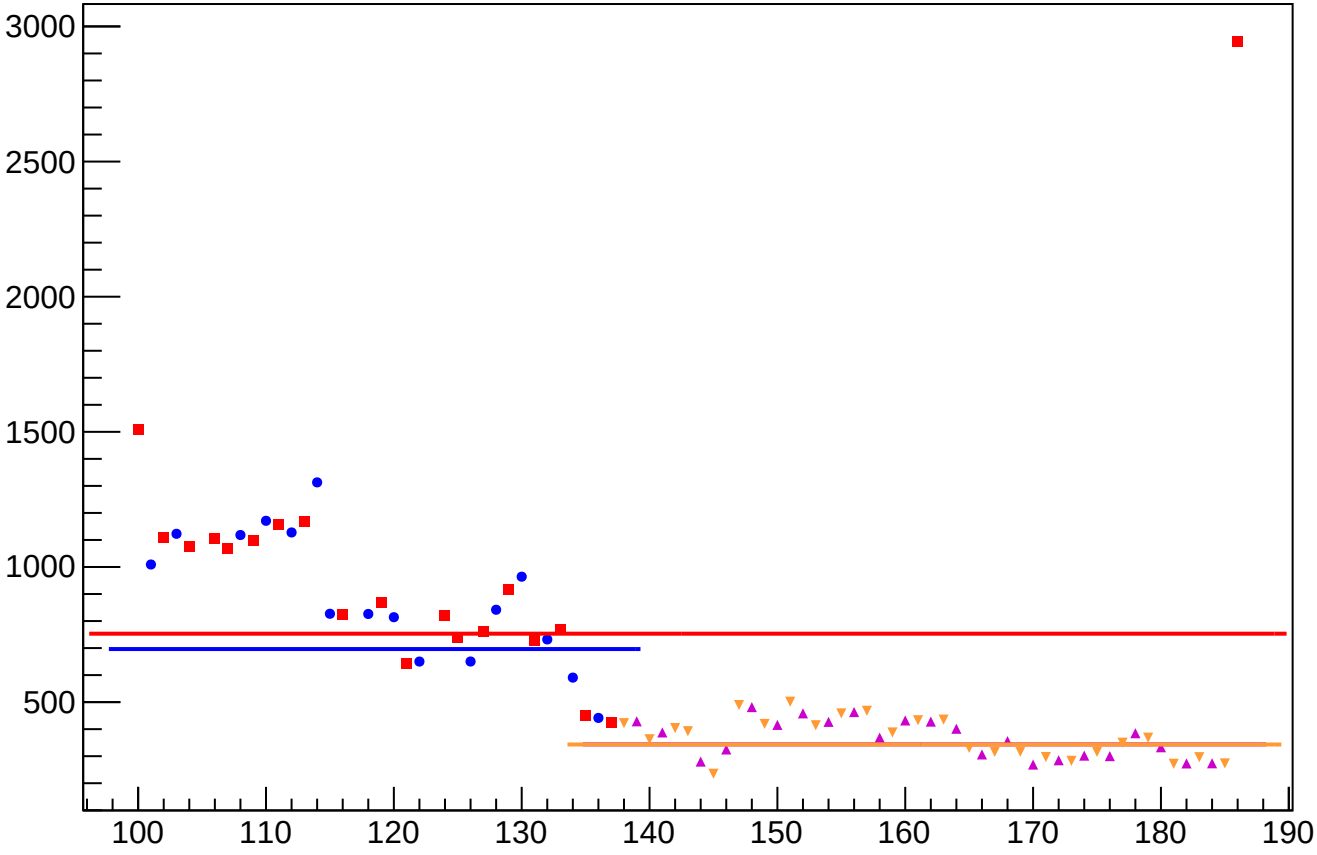
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.948+/-76.649 χ^2/NDF: 50.8/40

All: 66.989+/-54.987 χ^2/NDF: 105.4/83

- sign 2.350+/-78.928 χ^2/NDF: 53.3/42

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 753.237+/-0.202 χ^2/NDF: 1945397.4/19

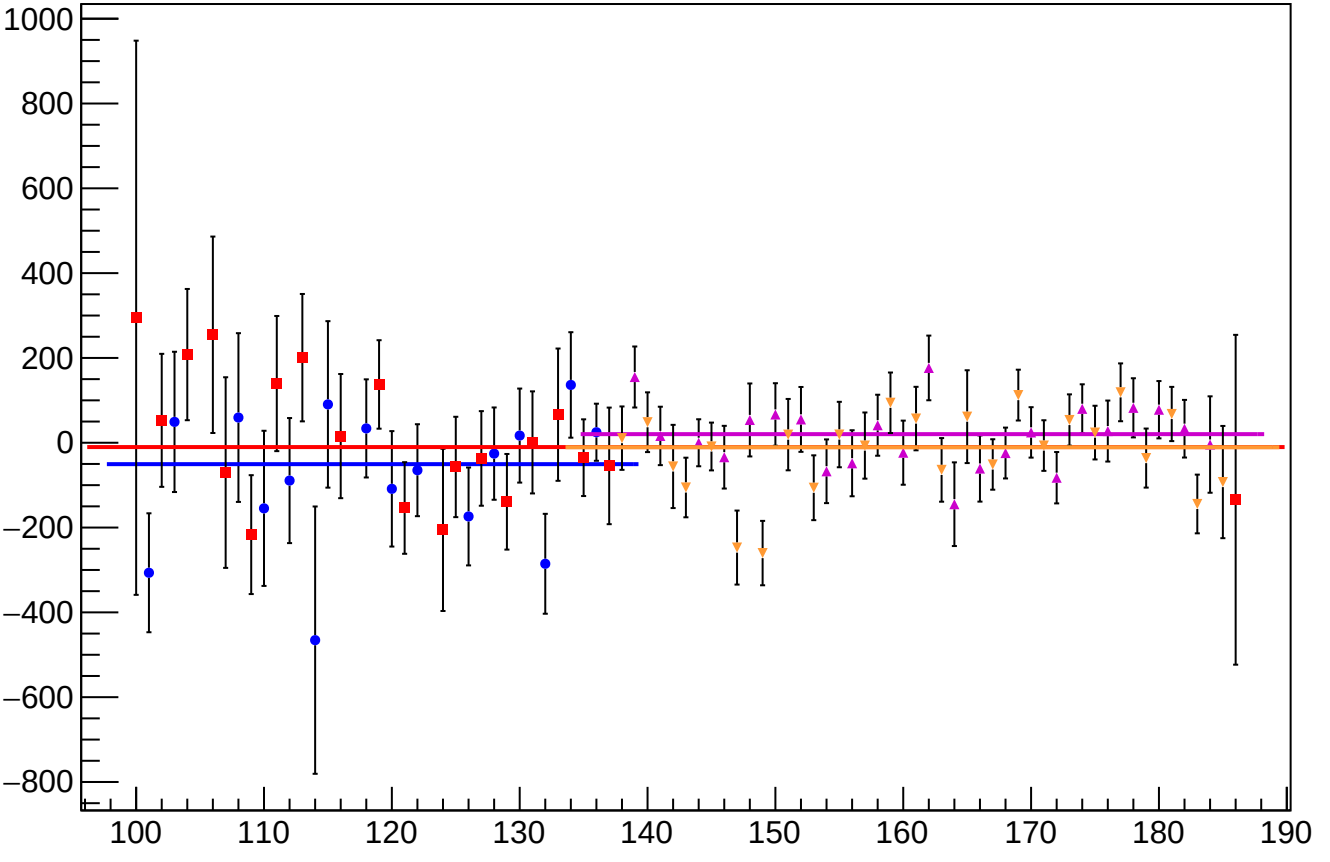
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 370.864+/-0.054 χ^2/NDF: 6173548.6/40

All: 372.796+/-0.039 χ^2/NDF: 13161337.5/83

- sign 374.844+/-0.056 χ^2/NDF: 6985170.8/42

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -10.182+/-31.134 χ^2/NDF: 15.7/19

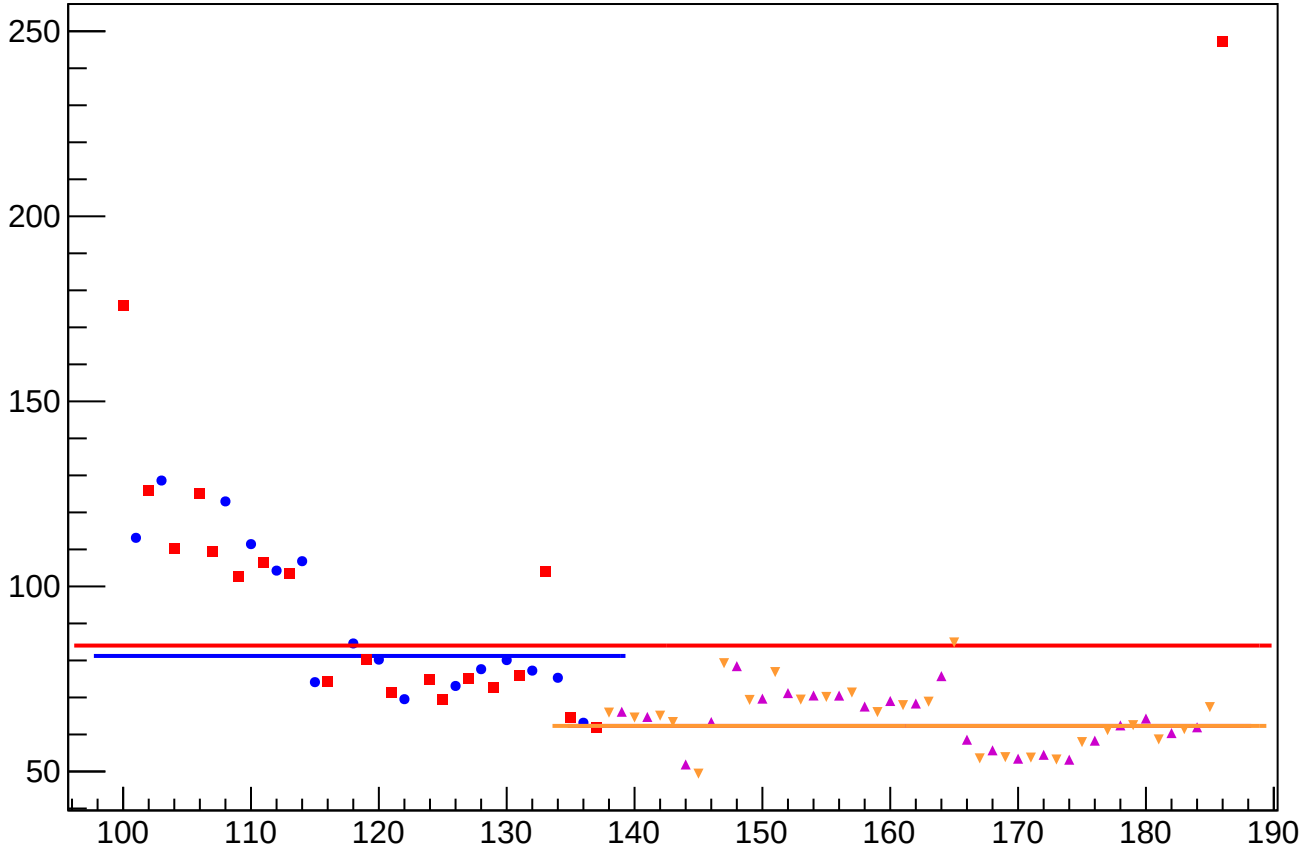
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -17.591+/-12.998 χ^2/NDF: 60.0/40

All: -1.845+/-9.306 χ^2/NDF: 101.1/83

- sign 14.717+/-13.330 χ^2/NDF: 38.1/42

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

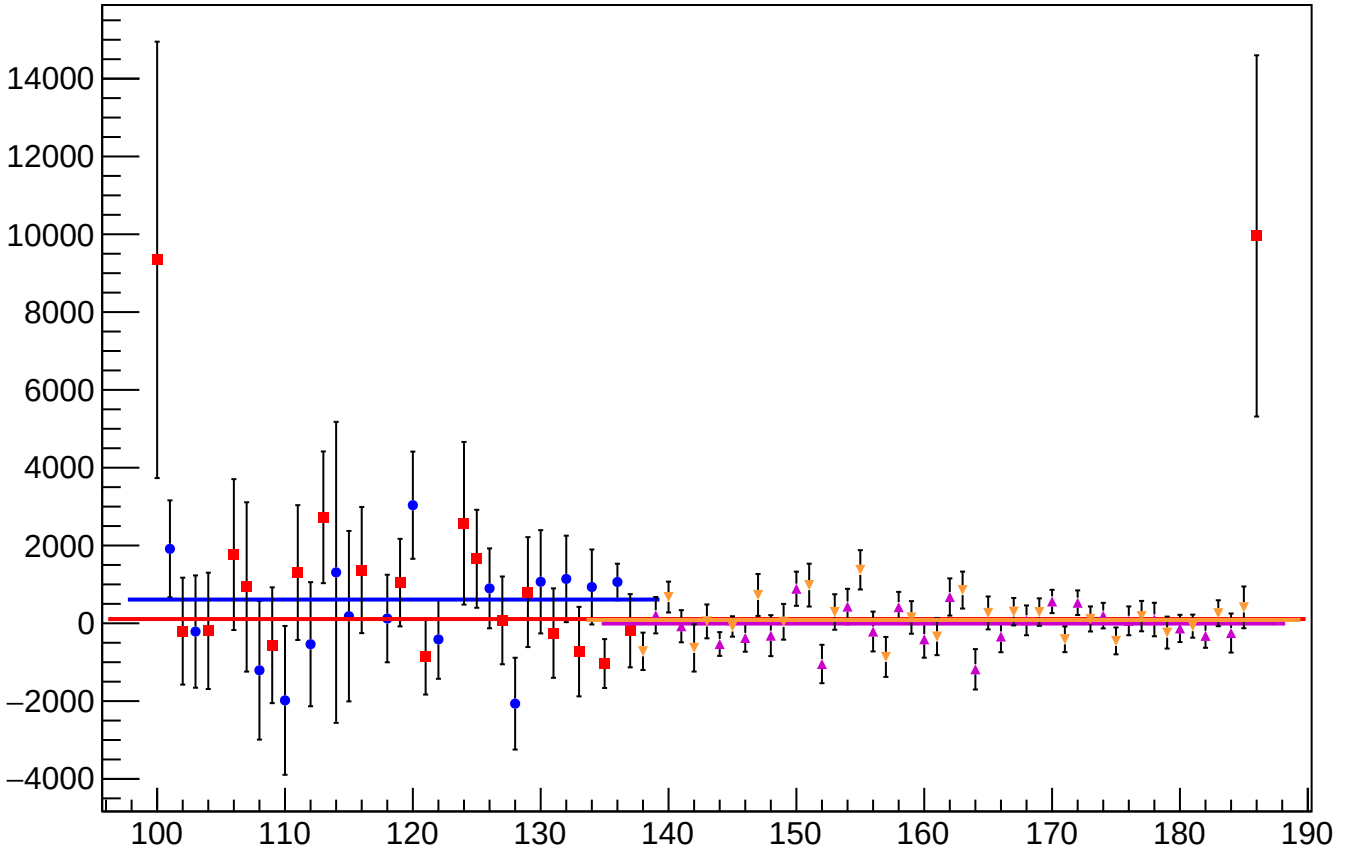
Right Out: 84.023+/-0.022 χ^2/NDF: 1084657.6/19

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 65.626+/-0.009 χ^2/NDF: 1910039.0/40

All: 65.950+/-0.007 χ^2/NDF: 4276170.6/83

- sign 66.291+/-0.009 χ^2/NDF: 2363583.3/42



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

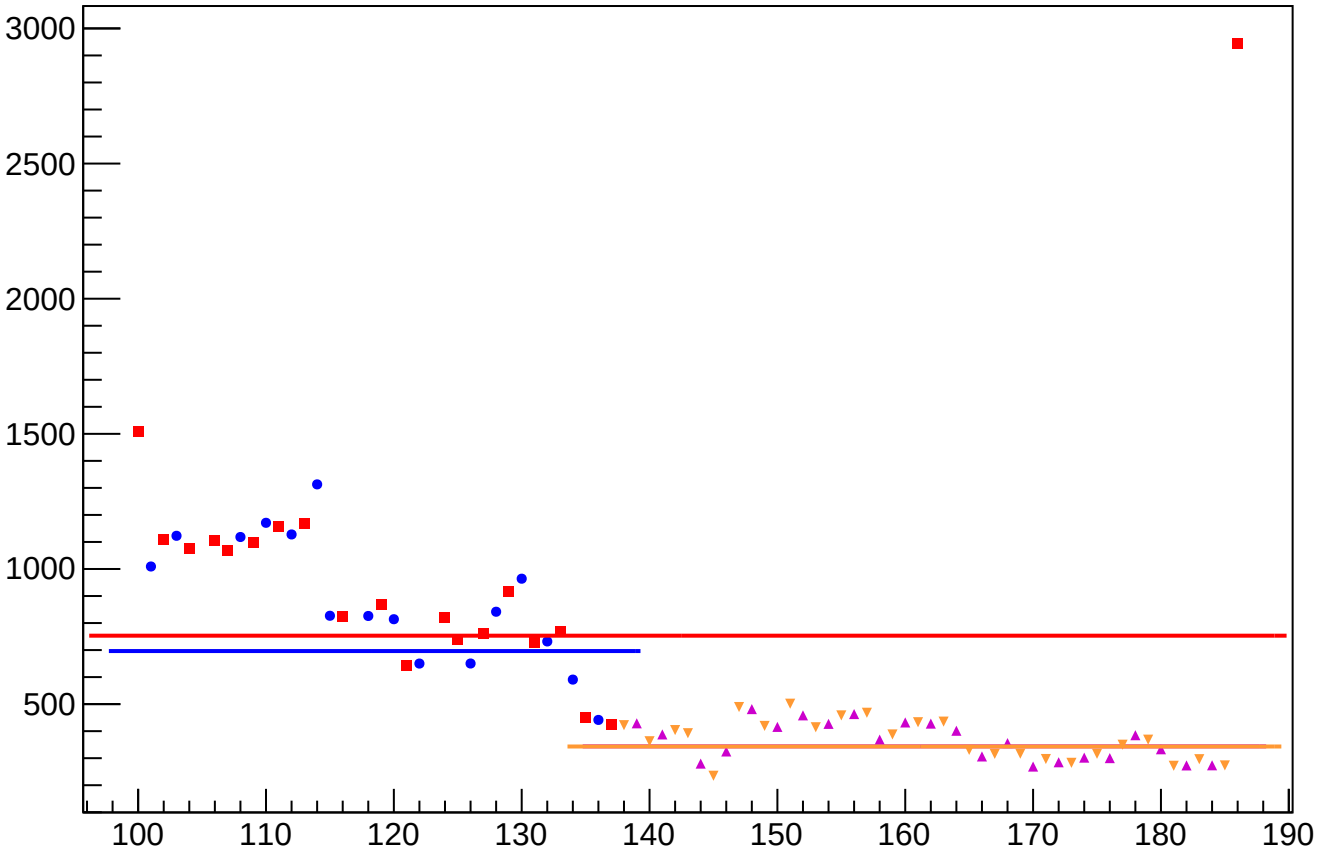
Right Out: 109.901+/-286.284 χ^2/NDF: 20.7/19

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.949+/-76.649 χ^2/NDF: 50.8/40

All: 66.989+/-54.987 χ^2/NDF: 105.4/83

- sign 2.350+/-78.928 χ^2/NDF: 53.3/42



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 753.236+/-0.202 χ^2/NDF: 1945383.8/19

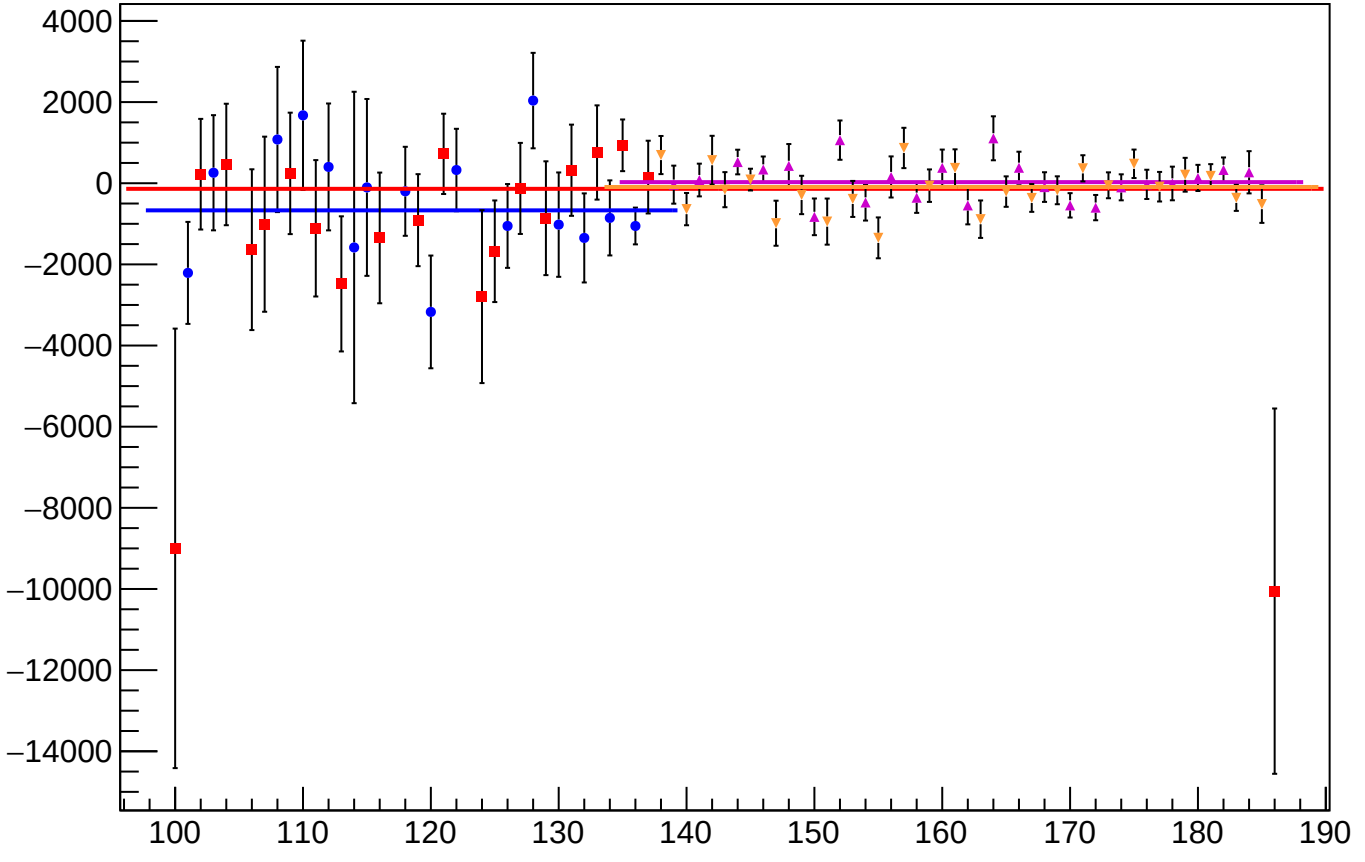
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 370.864+/-0.054 χ^2/NDF: 6173547.3/40

All: 372.796+/-0.039 χ^2/NDF: 13161327.7/83

- sign 374.845+/-0.056 χ^2/NDF: 6985162.1/42

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -137.992+/-285.307 χ^2/NDF: 19.7/19

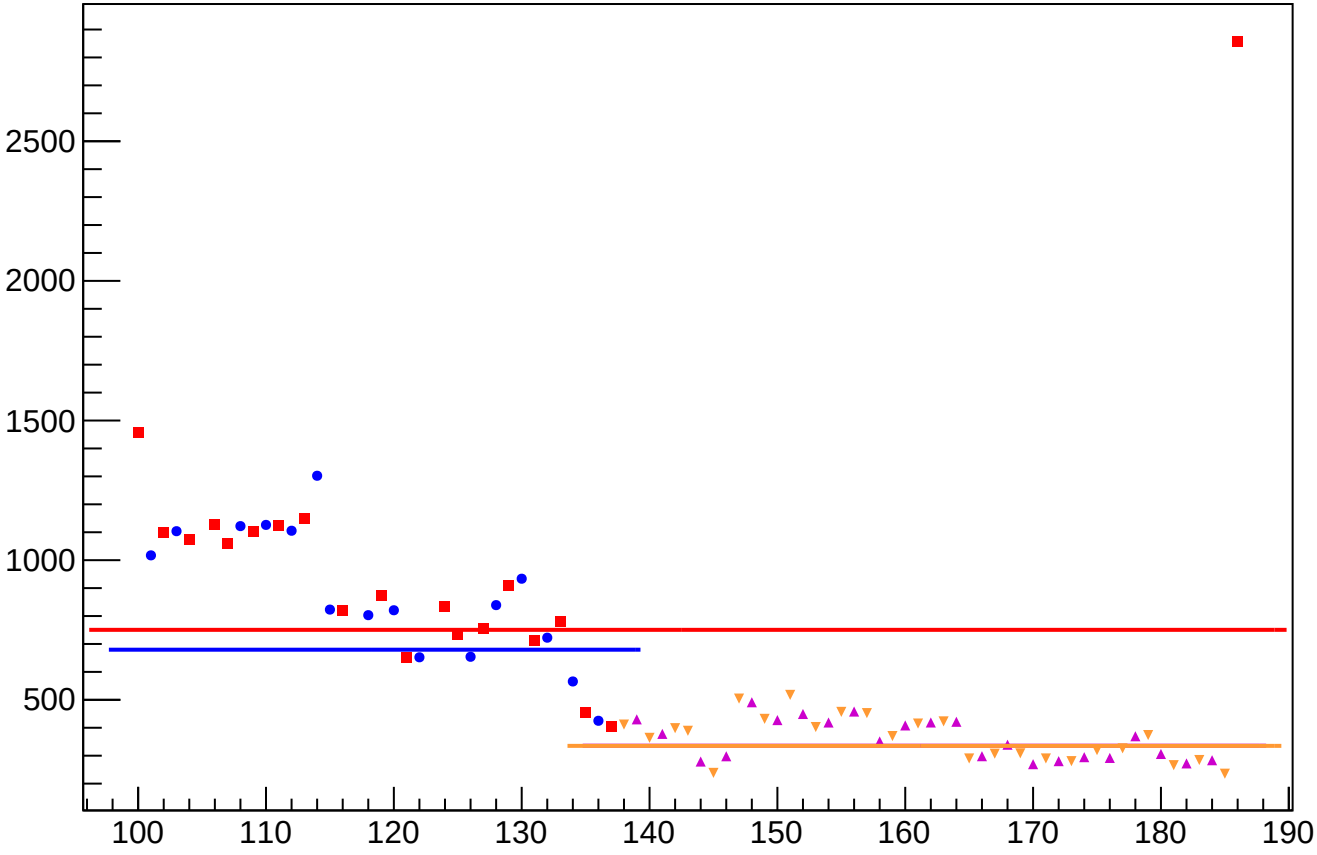
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -137.695+/-75.065 χ^2/NDF: 54.6/40

All: -63.465+/-53.823 χ^2/NDF: 107.5/83

- sign 15.076+/-77.214 χ^2/NDF: 50.9/42

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

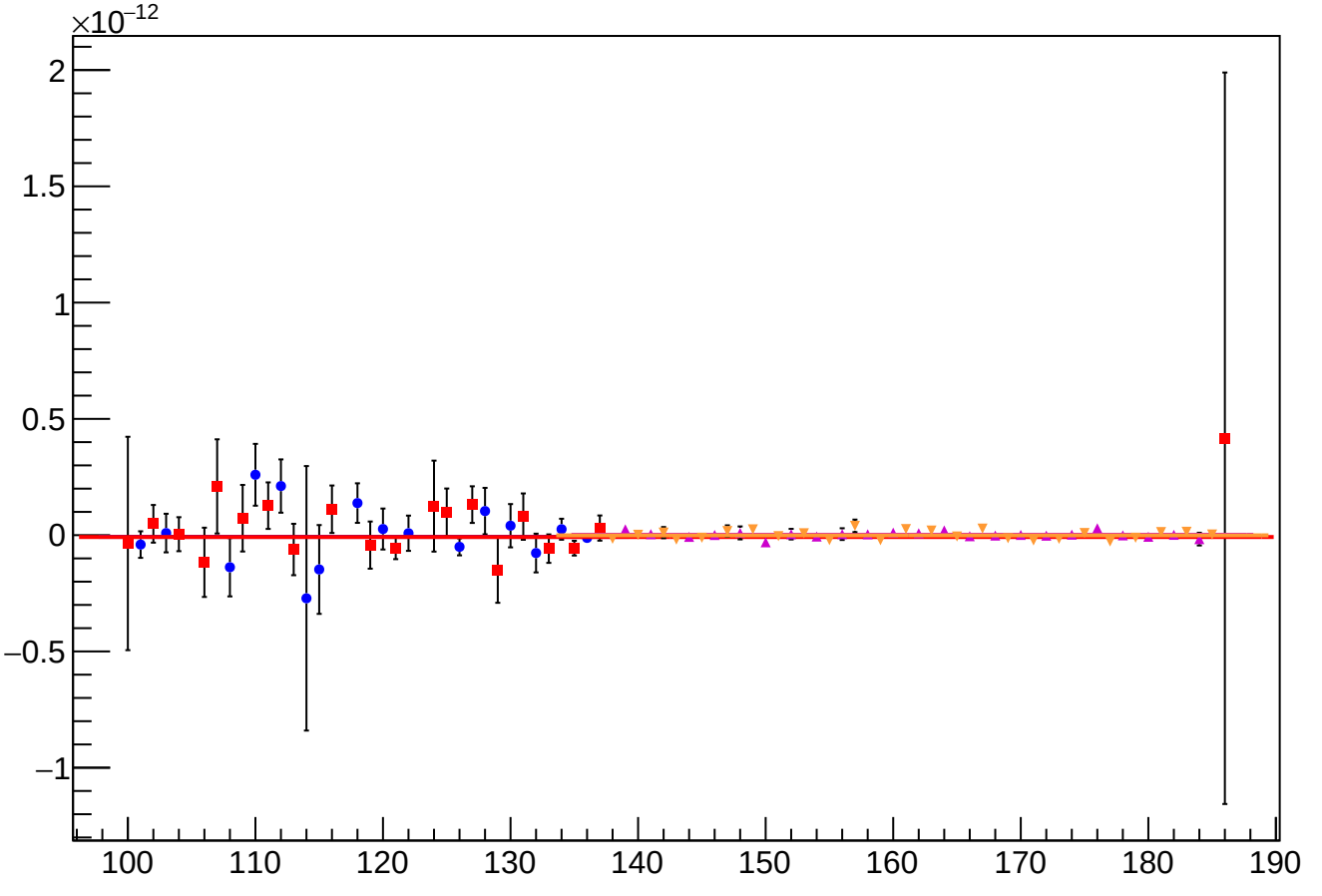
Right Out: 750.575+/-0.202 χ^2/NDF: 1944010.9/19

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 362.072+/-0.053 χ^2/NDF: 6339845.1/40

All: 364.062+/-0.038 χ^2/NDF: 13495761.4/83

- sign 366.168+/-0.055 χ^2/NDF: 7153022.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

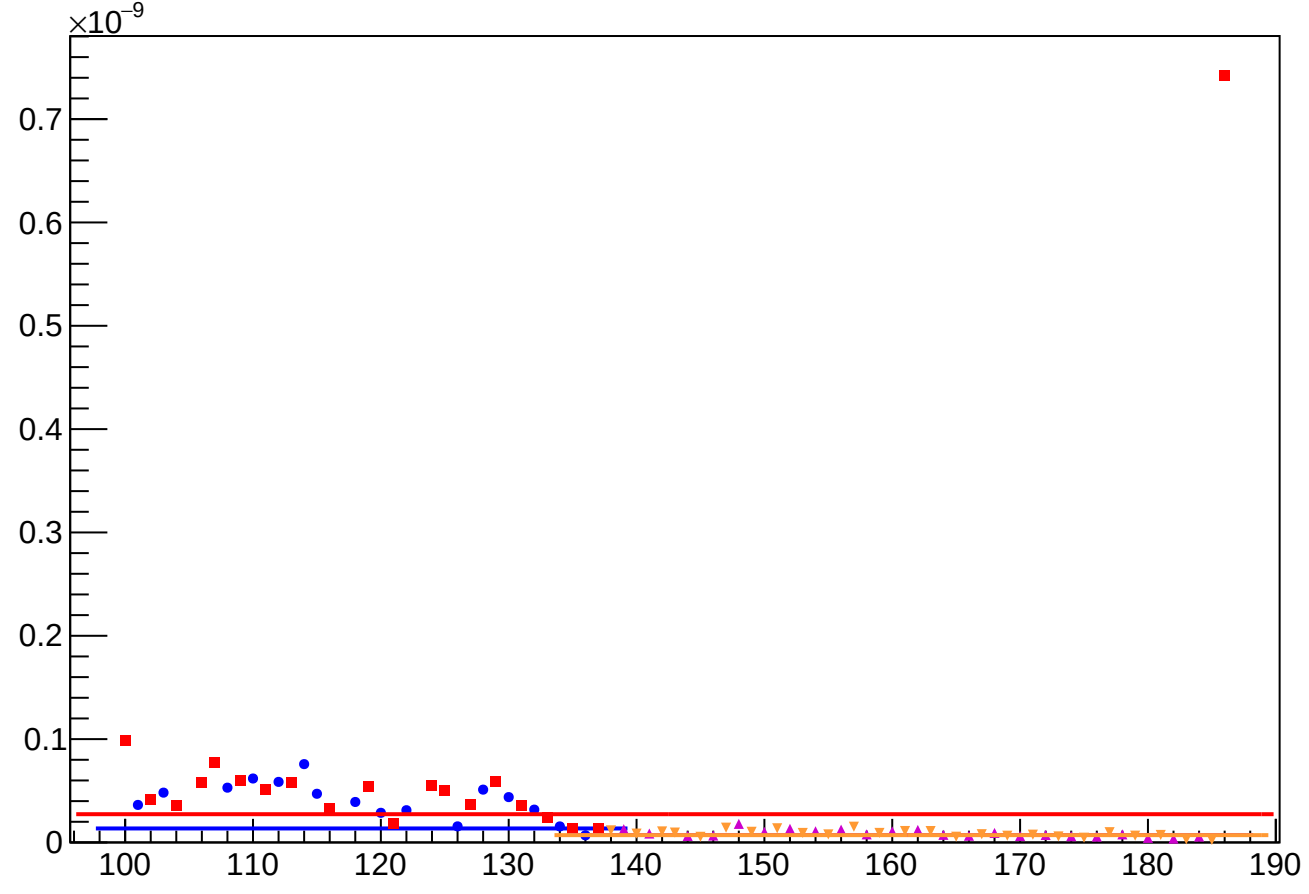
Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/19

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.8/40

All: -0.000+/-0.000 χ^2/NDF: 83.4/83

- sign 0.000+/-0.000 χ^2/NDF: 32.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

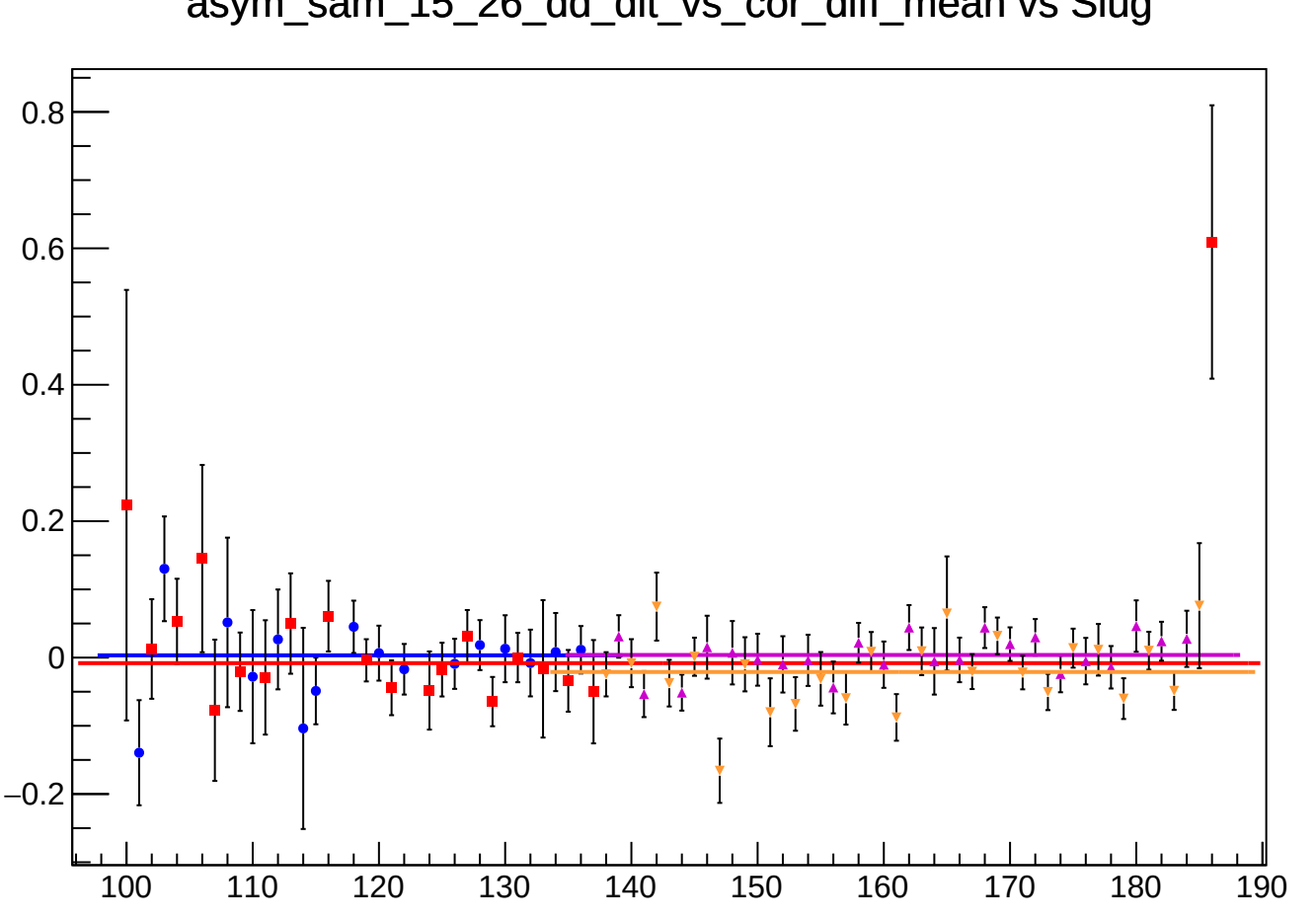
Right Out: 0.000+/-0.000 χ^2/NDF: 2149031.2/19

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5756276.4/40

All: 0.000+/-0.000 χ^2/NDF: 12143396.2/83

- sign 0.000+/-0.000 χ^2/NDF: 6378392.6/42



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

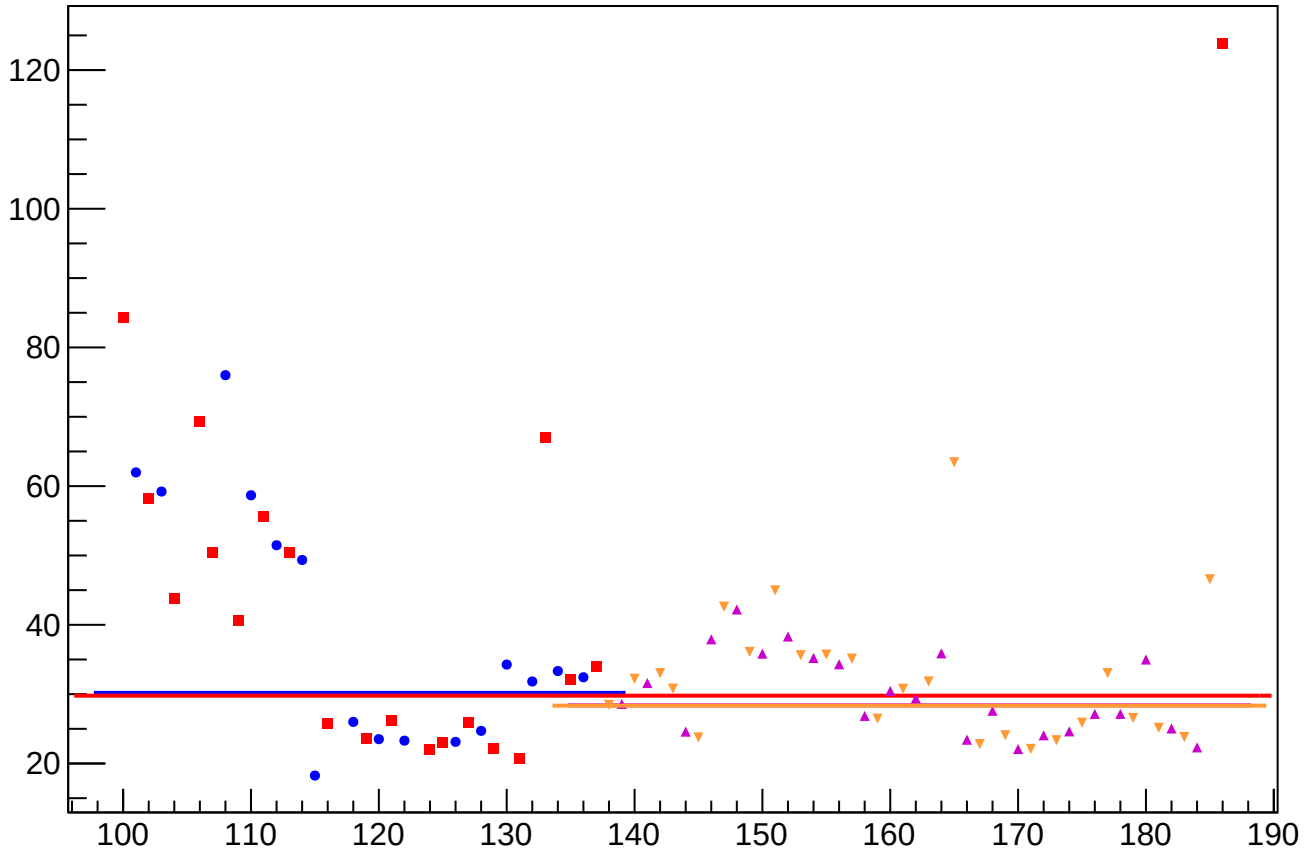
Right Out: -0.008+/-0.012 χ^2/NDF: 20.8/19

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.006 χ^2/NDF: 50.3/40

All: -0.007+/-0.004 χ^2/NDF: 94.4/83

- sign 0.001+/-0.006 χ^2/NDF: 40.2/42



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

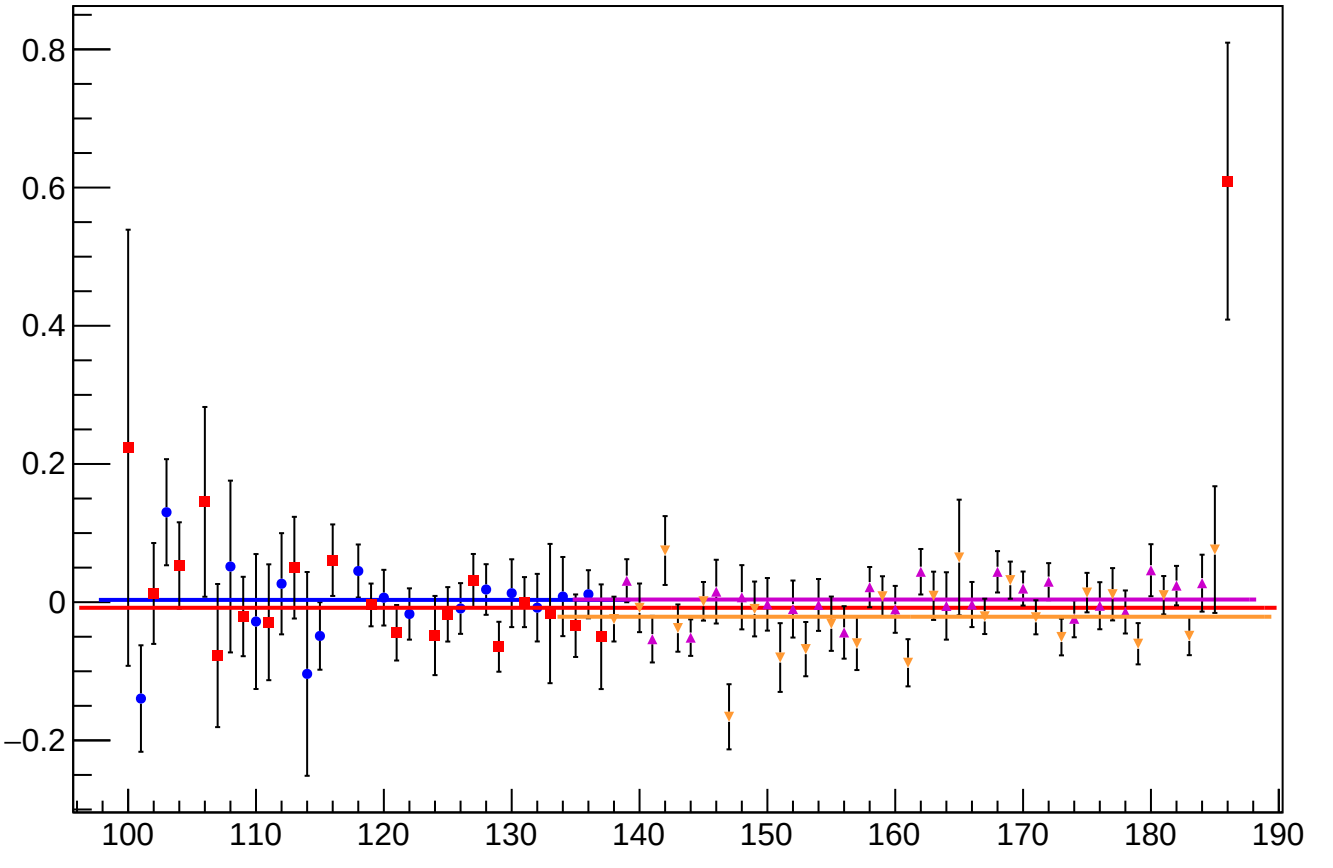
Right Out: 29.778+/-0.008 χ^2/NDF: 2290566.1/19

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 28.762+/-0.004 χ^2/NDF: 3455822.3/40

All: 28.751+/-0.003 χ^2/NDF: 6865981.3/83

- sign 28.740+/-0.004 χ^2/NDF: 3410145.6/42



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

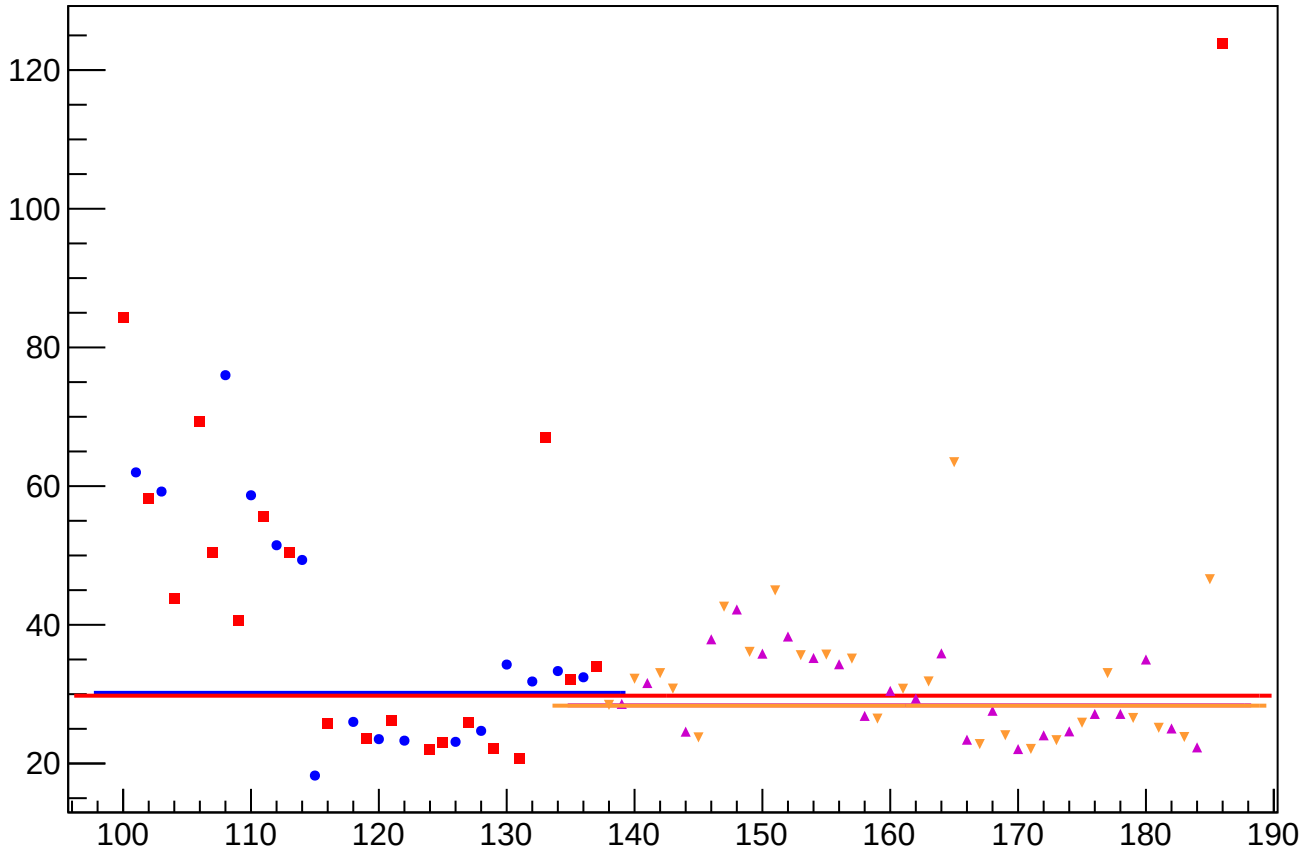
Right Out: -0.008+/-0.012 χ^2/NDF: 20.8/19

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.006 χ^2/NDF: 50.3/40

All: -0.007+/-0.004 χ^2/NDF: 94.4/83

- sign 0.001+/-0.006 χ^2/NDF: 40.2/42



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

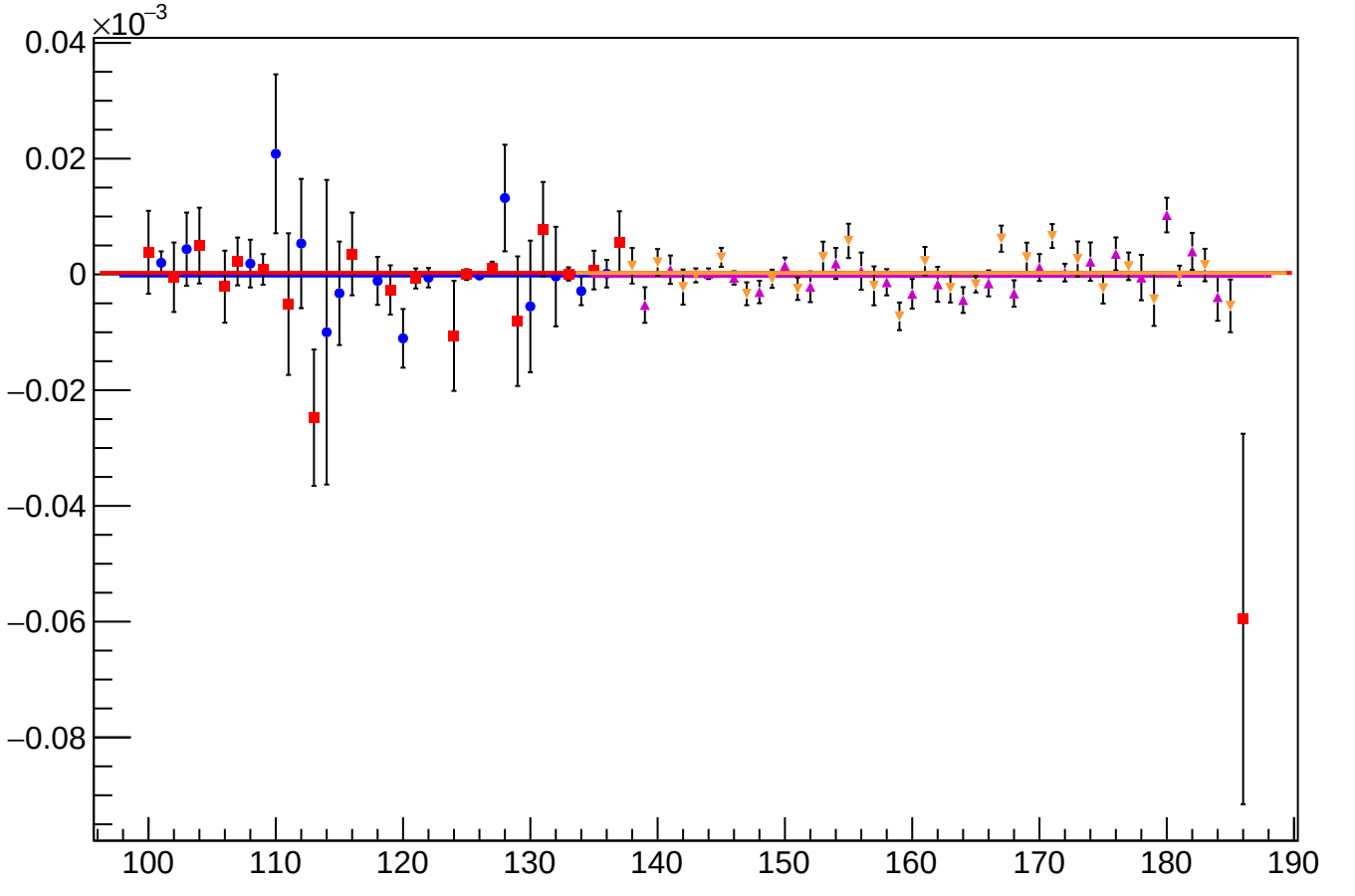
Right Out: 29.778+/-0.008 χ^2/NDF: 2290566.1/19

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 28.762+/-0.004 χ^2/NDF: 3455822.3/40

All: 28.751+/-0.003 χ^2/NDF: 6865981.3/83

- sign 28.740+/-0.004 χ^2/NDF: 3410145.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

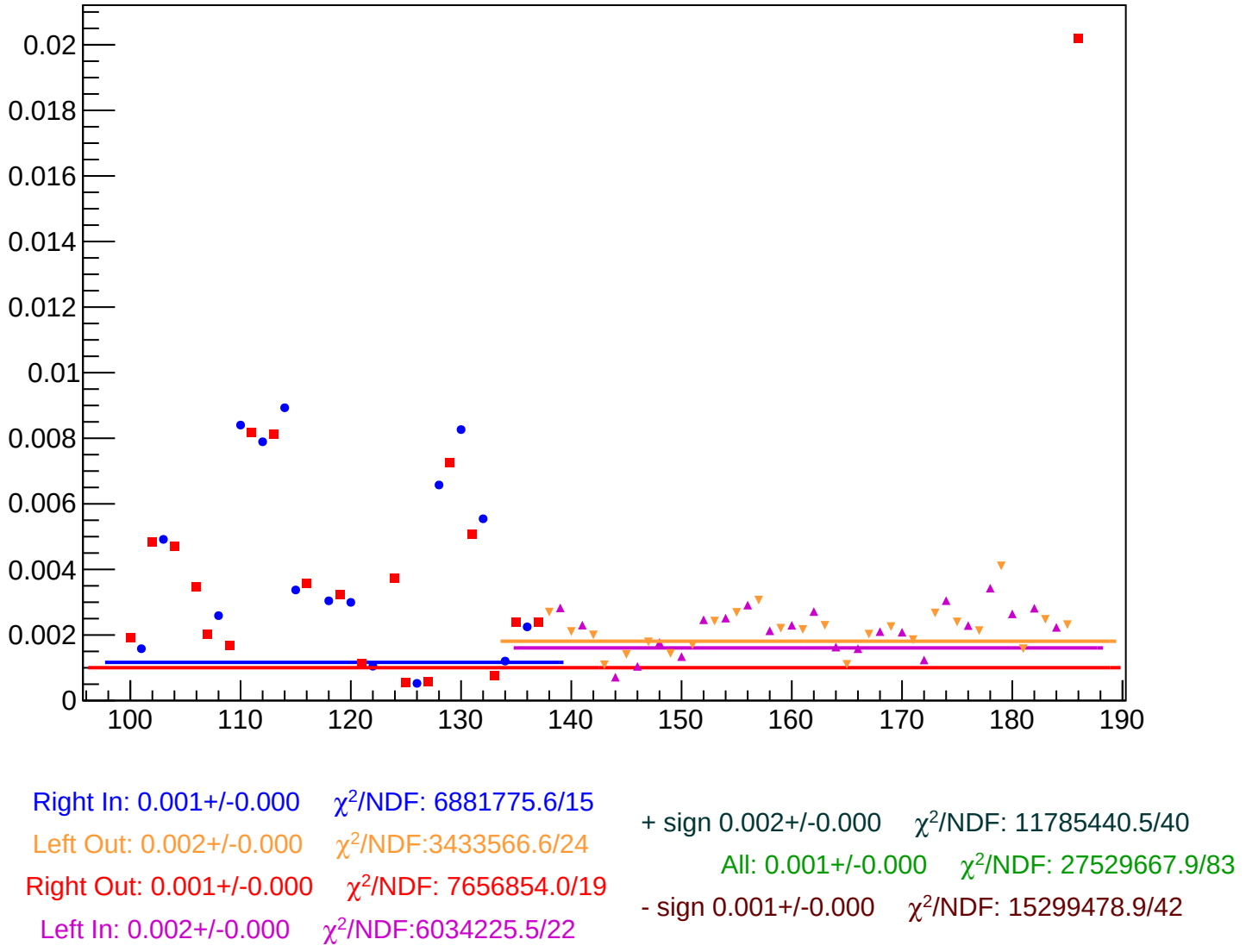
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/19

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.2/40

All: 0.000+/-0.000 χ^2/NDF: 113.1/83

- sign -0.000+/-0.000 χ^2/NDF: 48.7/42


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
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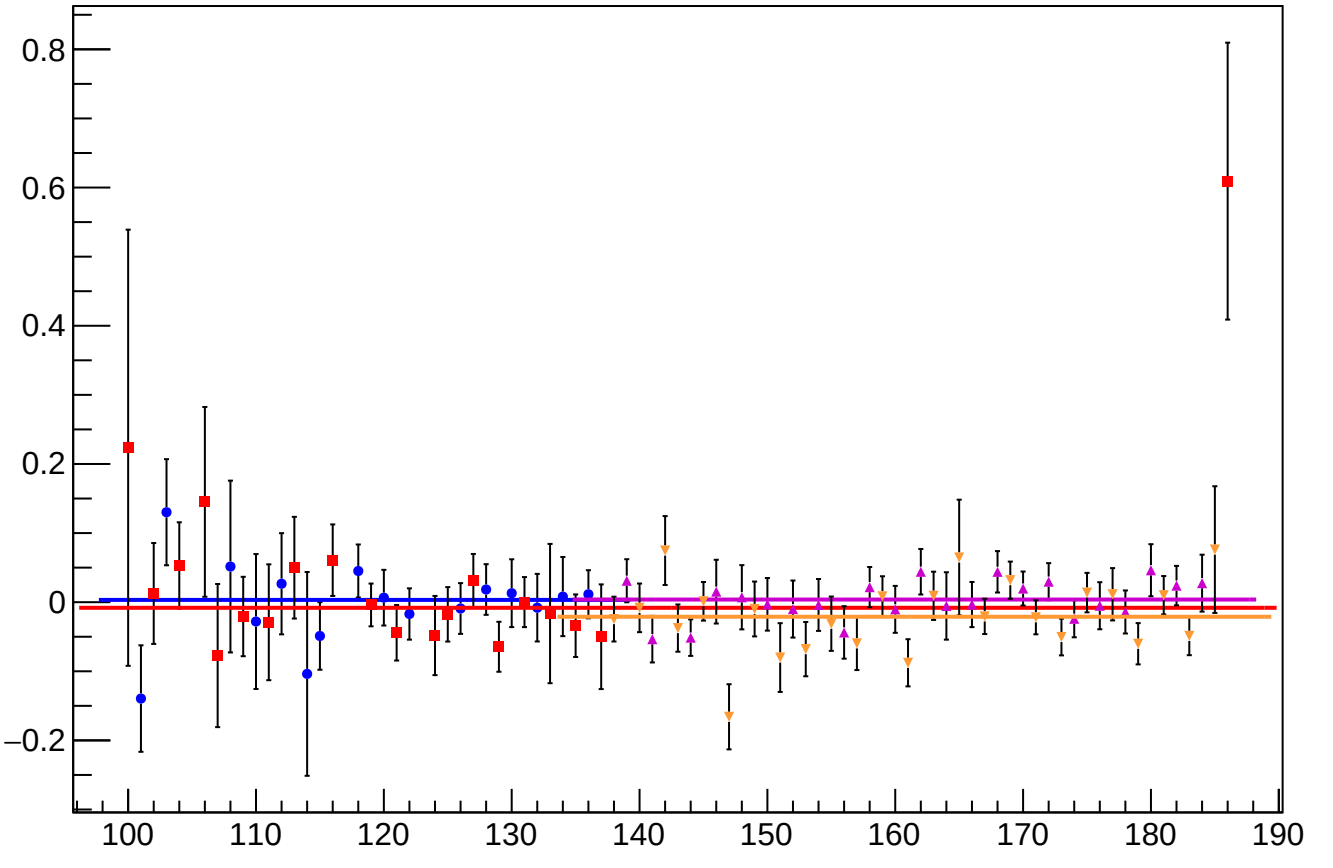
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.002+/-0.000 χ²/NDF:3433566.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 7656854.0/19
Left In: 0.002+/-0.000 χ²/NDF:6034225.5/22
+ sign 0.002+/-0.000 χ²/NDF: 11785440.5/40
All: 0.001+/-0.000 χ²/NDF: 27529667.9/83
- sign 0.001+/-0.000 χ²/NDF: 15299478.9/42



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

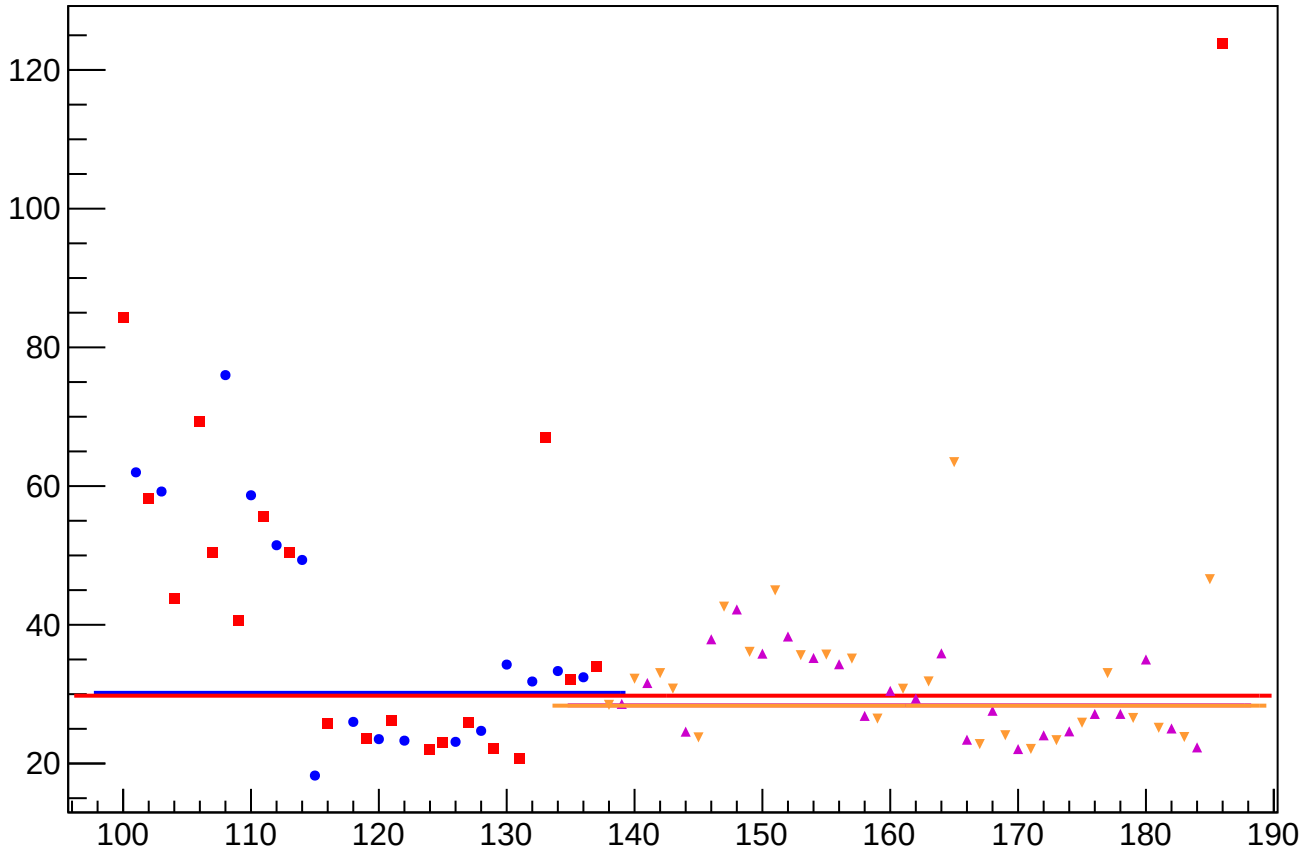
Right Out: -0.008+/-0.012 χ^2/NDF: 20.8/19

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.006 χ^2/NDF: 50.3/40

All: -0.007+/-0.004 χ^2/NDF: 94.4/83

- sign 0.001+/-0.006 χ^2/NDF: 40.2/42



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

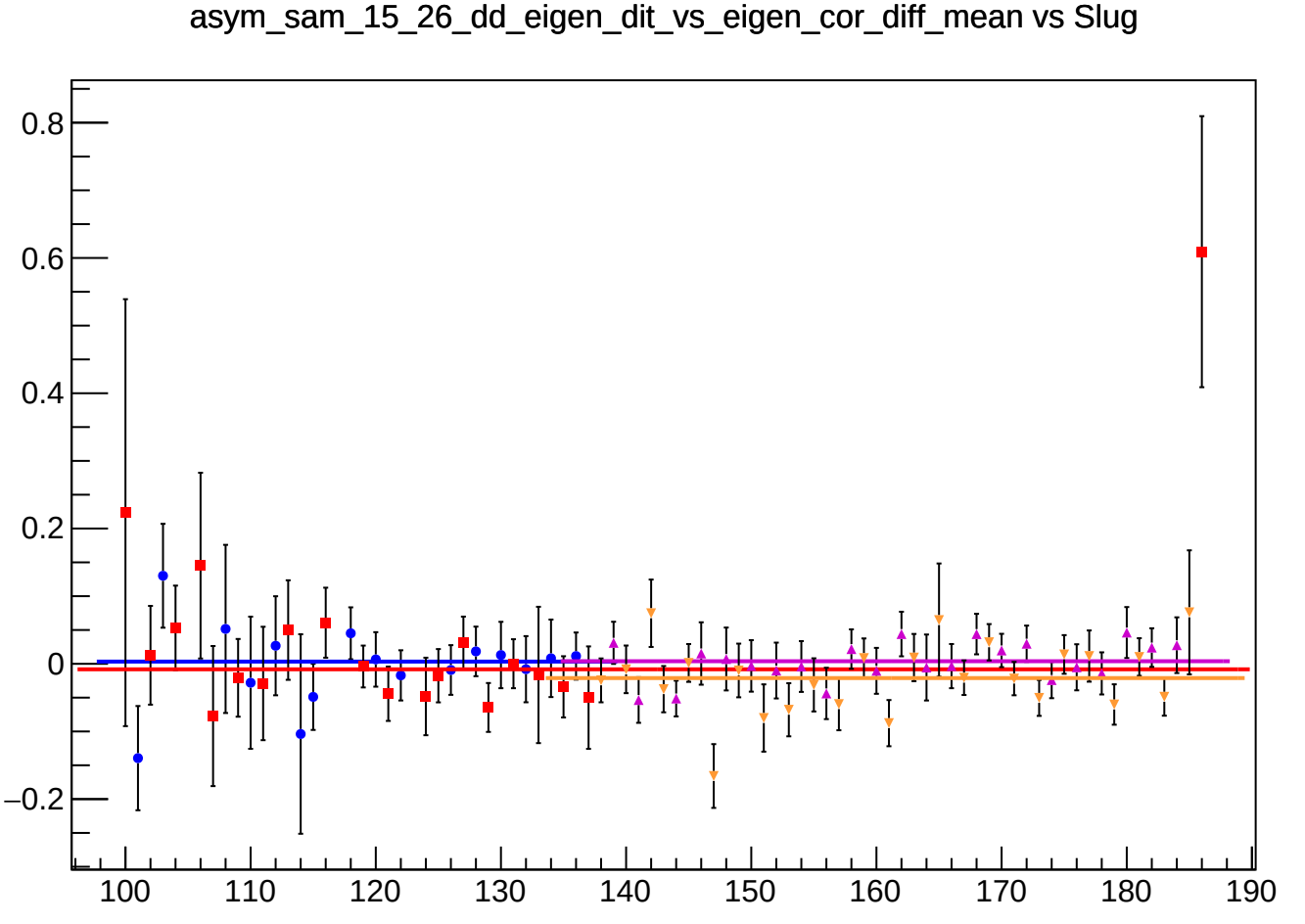
Right Out: 29.778+/-0.008 χ^2/NDF: 2290528.4/19

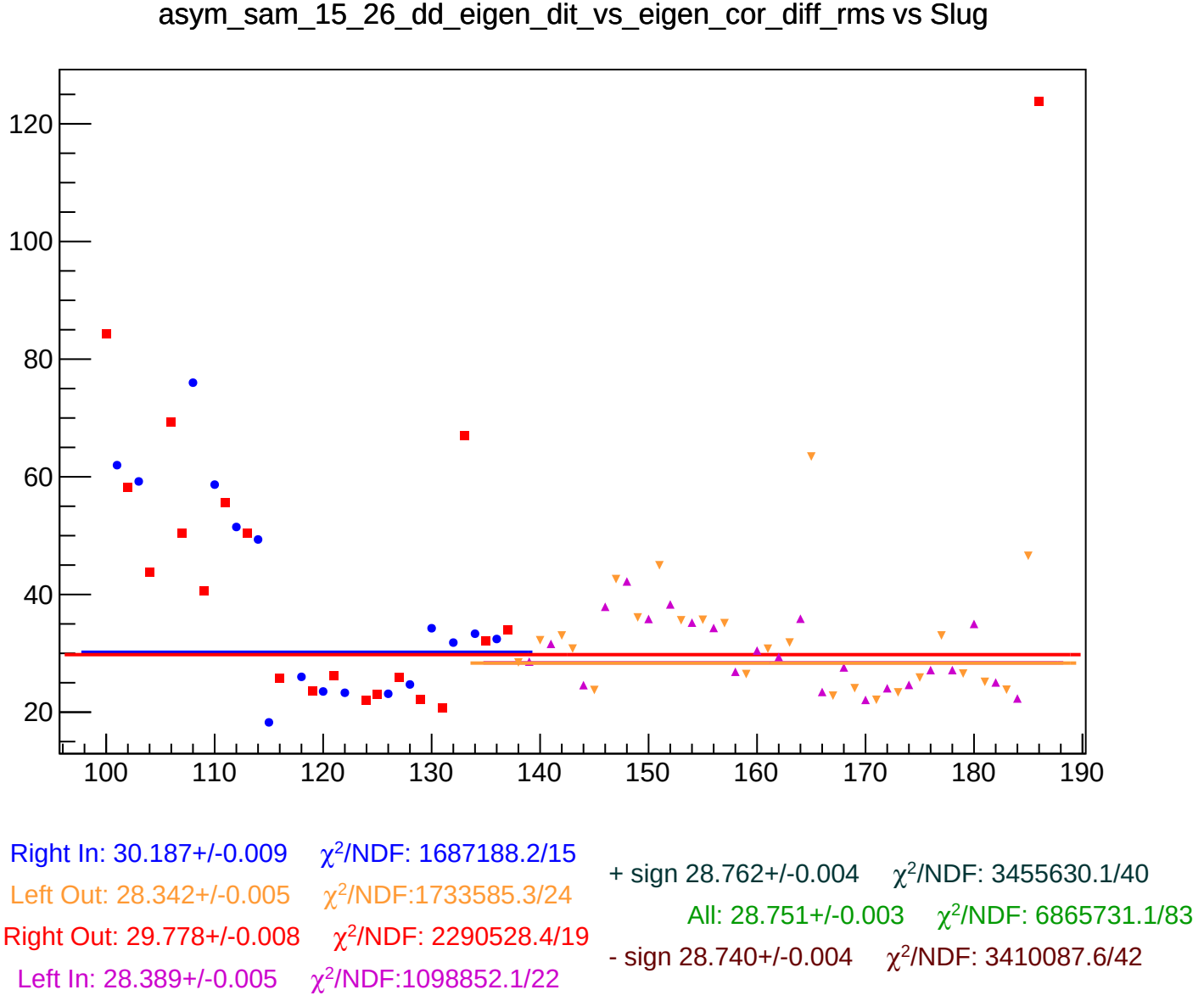
Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 28.762+/-0.004 χ^2/NDF: 3455630.1/40

All: 28.751+/-0.003 χ^2/NDF: 6865731.1/83

- 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: 0.003+/-0.012 χ²/NDF: 10.1/15
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 -0.016+/-0.006 χ²/NDF: 50.3/40
All: -0.007+/-0.004 χ²/NDF: 94.4/83
- sign 0.001+/-0.006 χ²/NDF: 40.2/42


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
120
100
80
60
40
20
100
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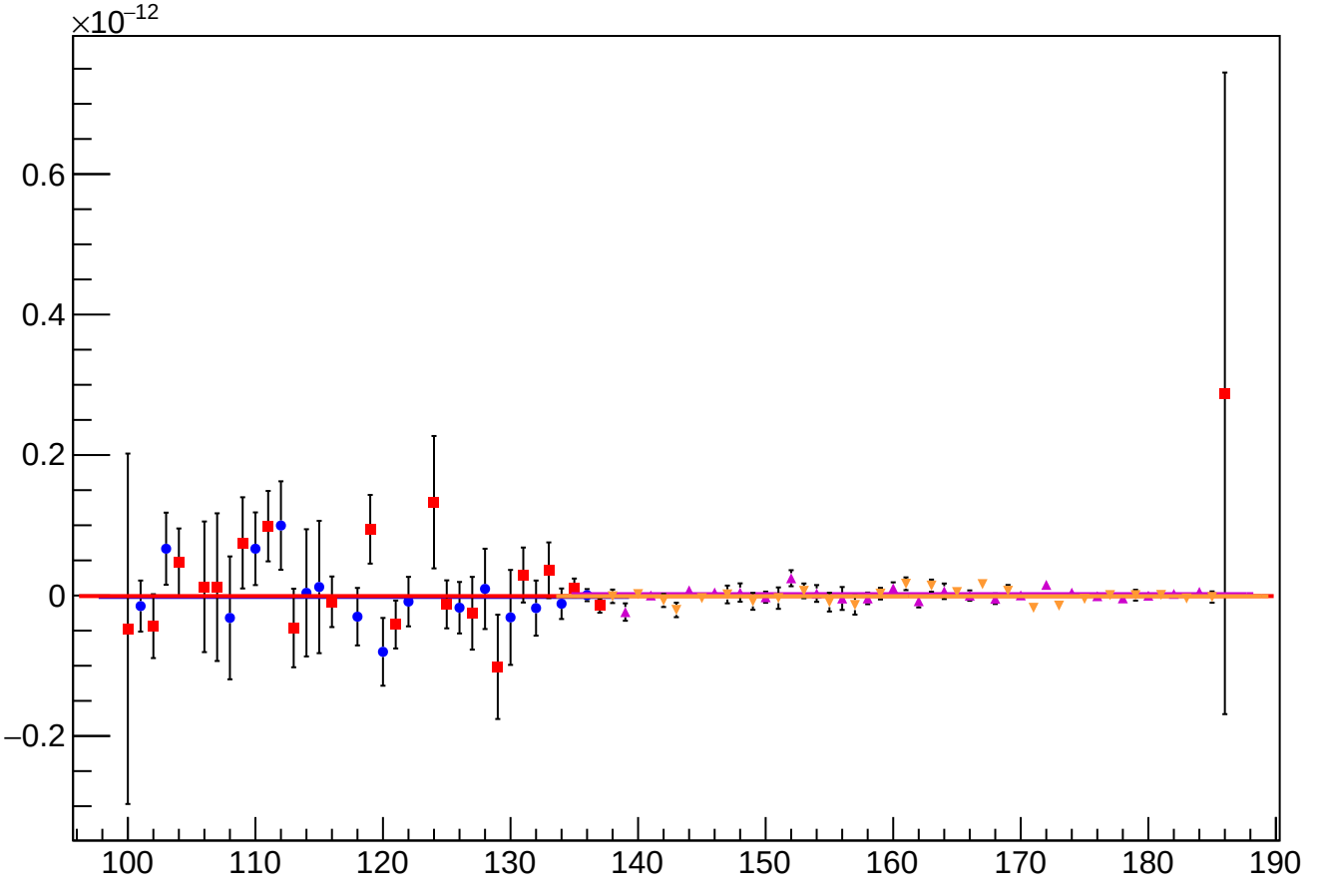
120
130
140
150
160
170
180
190
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 28.342+/-0.005 χ²/NDF:1733585.3/24
Right Out: 29.778+/-0.008 χ²/NDF: 2290528.4/19
Left In: 28.389+/-0.005 χ²/NDF:1098852.1/22
+ sign 28.762+/-0.004 χ²/NDF: 3455630.1/40
All: 28.751+/-0.003 χ²/NDF: 6865731.1/83
- sign 28.740+/-0.004 χ²/NDF: 3410087.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

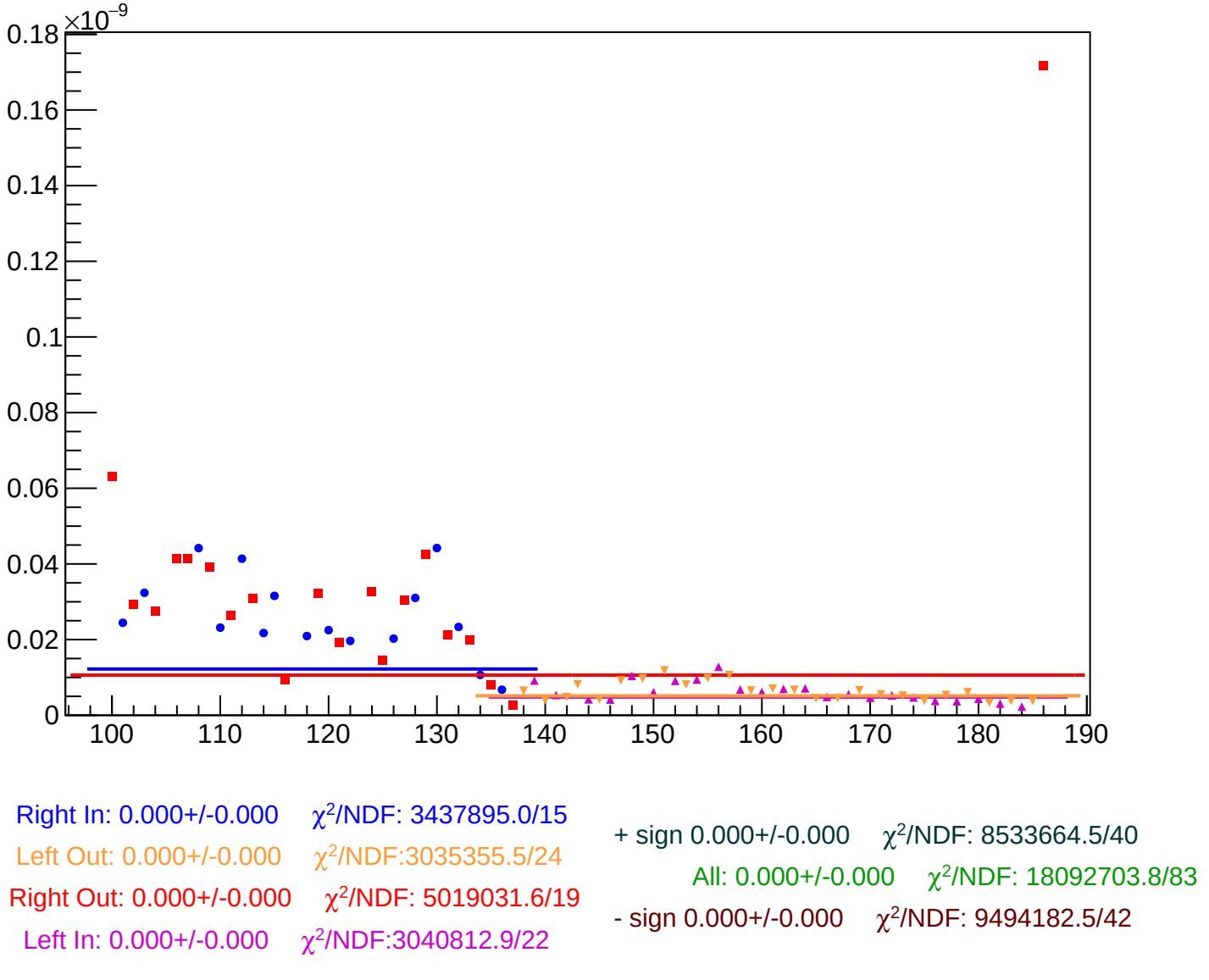
Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/19

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

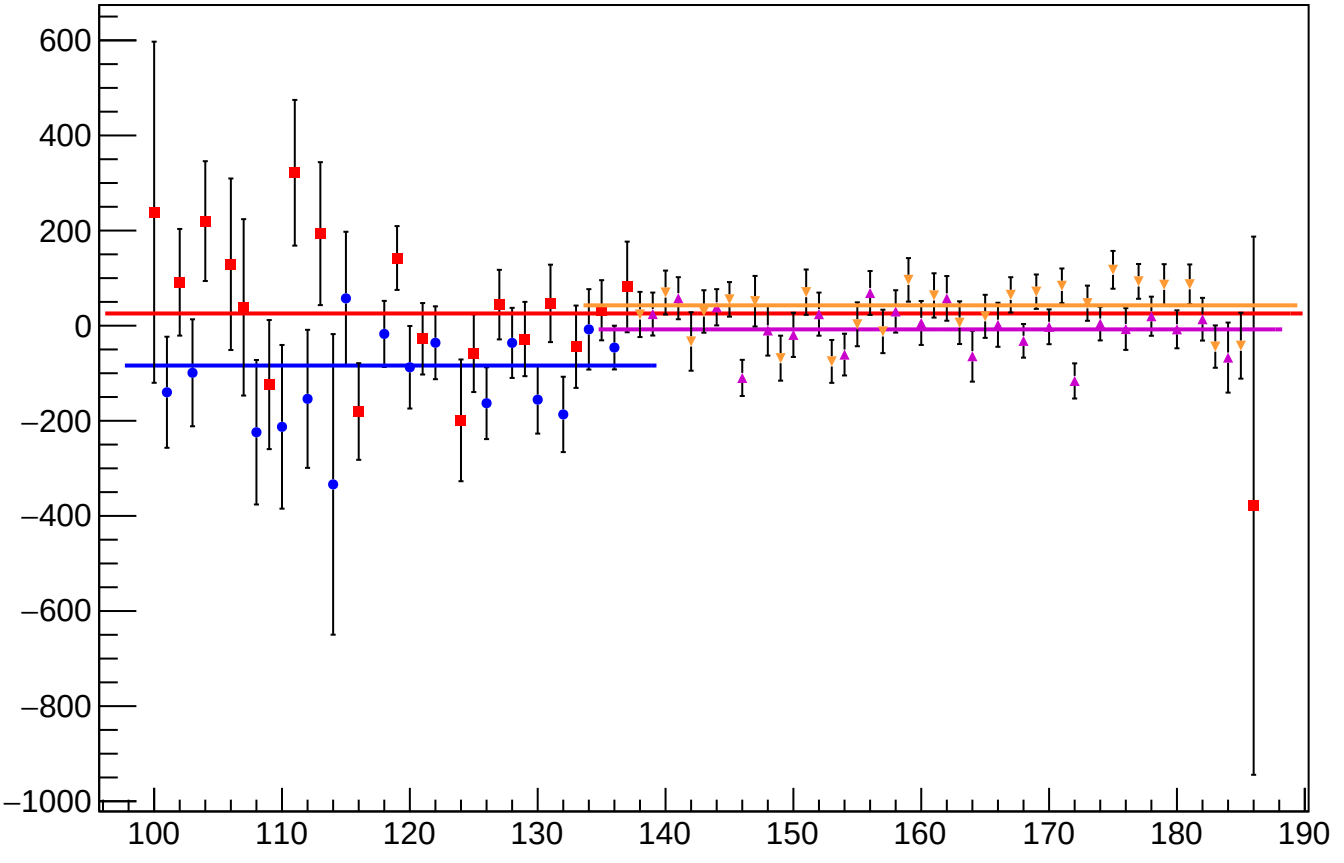
+ sign -0.000+/-0.000 χ^2/NDF: 44.5/40

All: 0.000+/-0.000 χ^2/NDF: 88.0/83

- sign 0.000+/-0.000 χ^2/NDF: 41.5/42


asym_sam_15_26_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: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:3035355.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 5019031.6/19
Left In: 0.000+/-0.000 χ²/NDF:3040812.9/22
+ sign 0.000+/-0.000 χ²/NDF: 8533664.5/40
All: 0.000+/-0.000 χ²/NDF: 18092703.8/83
- sign 0.000+/-0.000 χ²/NDF: 9494182.5/42

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 25.686+/-22.050 χ^2/NDF: 23.5/19

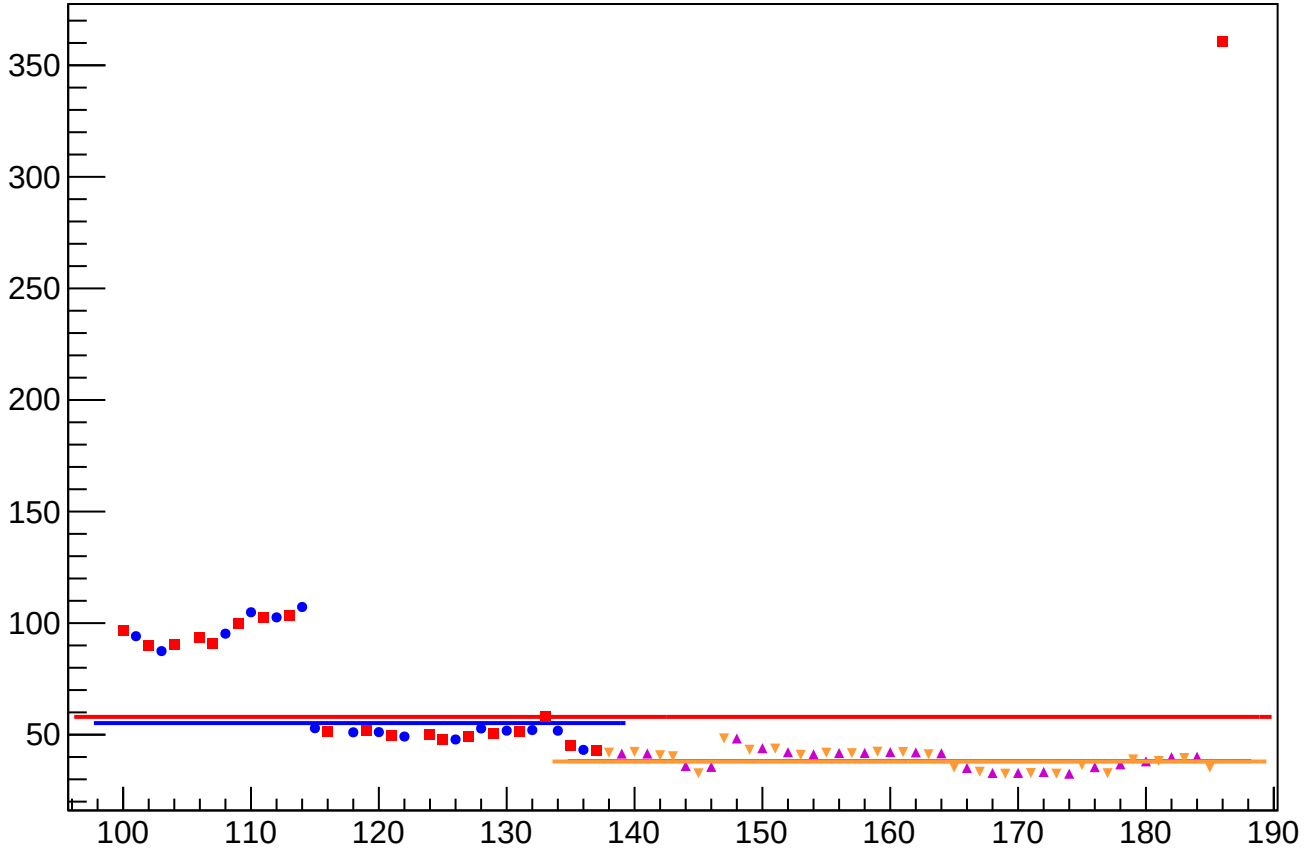
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 24.869+/-8.060 χ^2/NDF: 75.2/40

All: 11.351+/-5.786 χ^2/NDF: 137.1/83

- sign -3.027+/-8.312 χ^2/NDF: 56.1/42

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

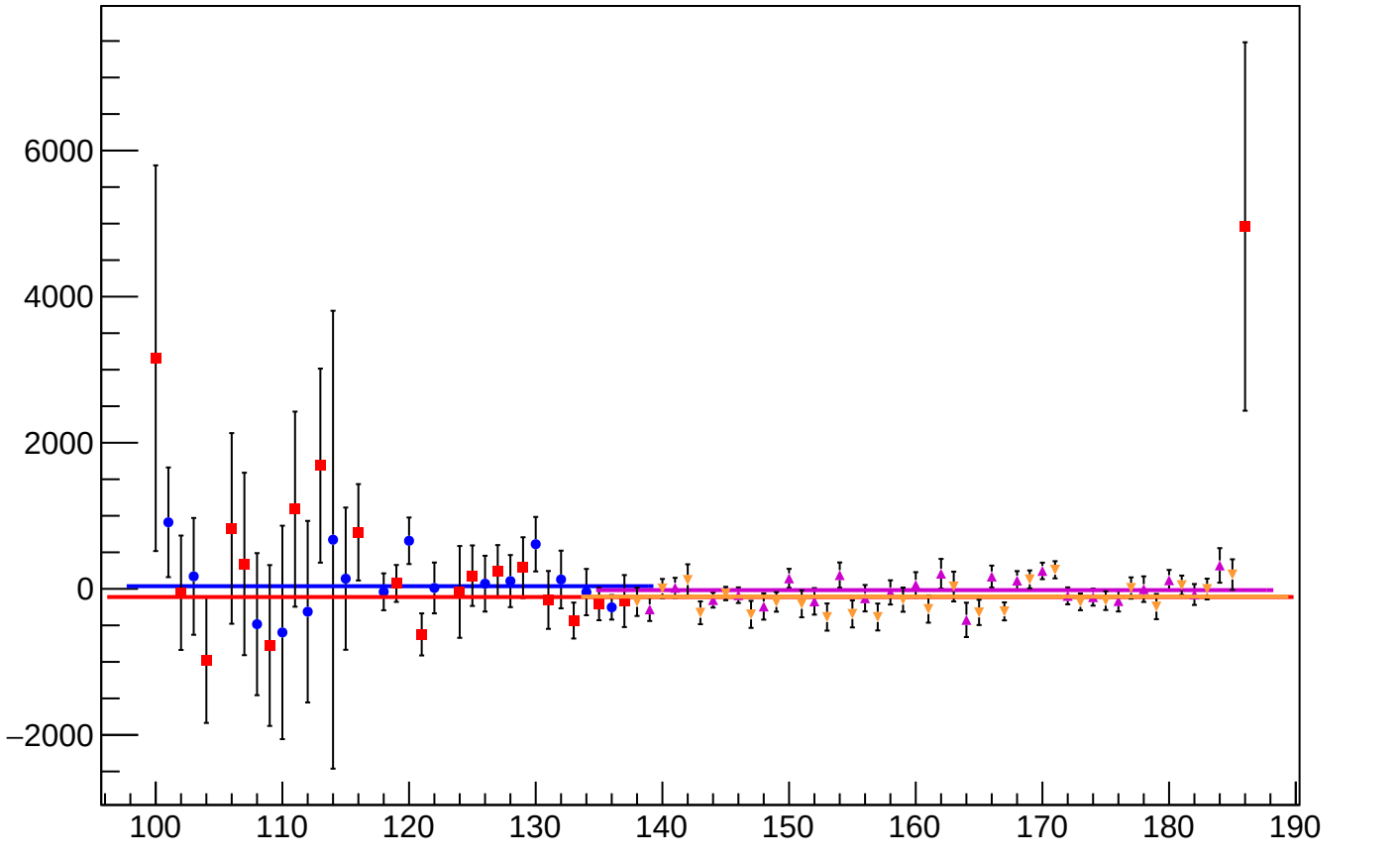
Right Out: 57.979+/-0.016 χ^2/NDF: 1854841.5/19

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.423+/-0.006 χ^2/NDF: 2772950.5/40

All: 40.680+/-0.004 χ^2/NDF: 6450303.8/83

- sign 40.953+/-0.006 χ^2/NDF: 3673158.3/42



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -111.842+/-95.764 χ^2/NDF: 20.1/19

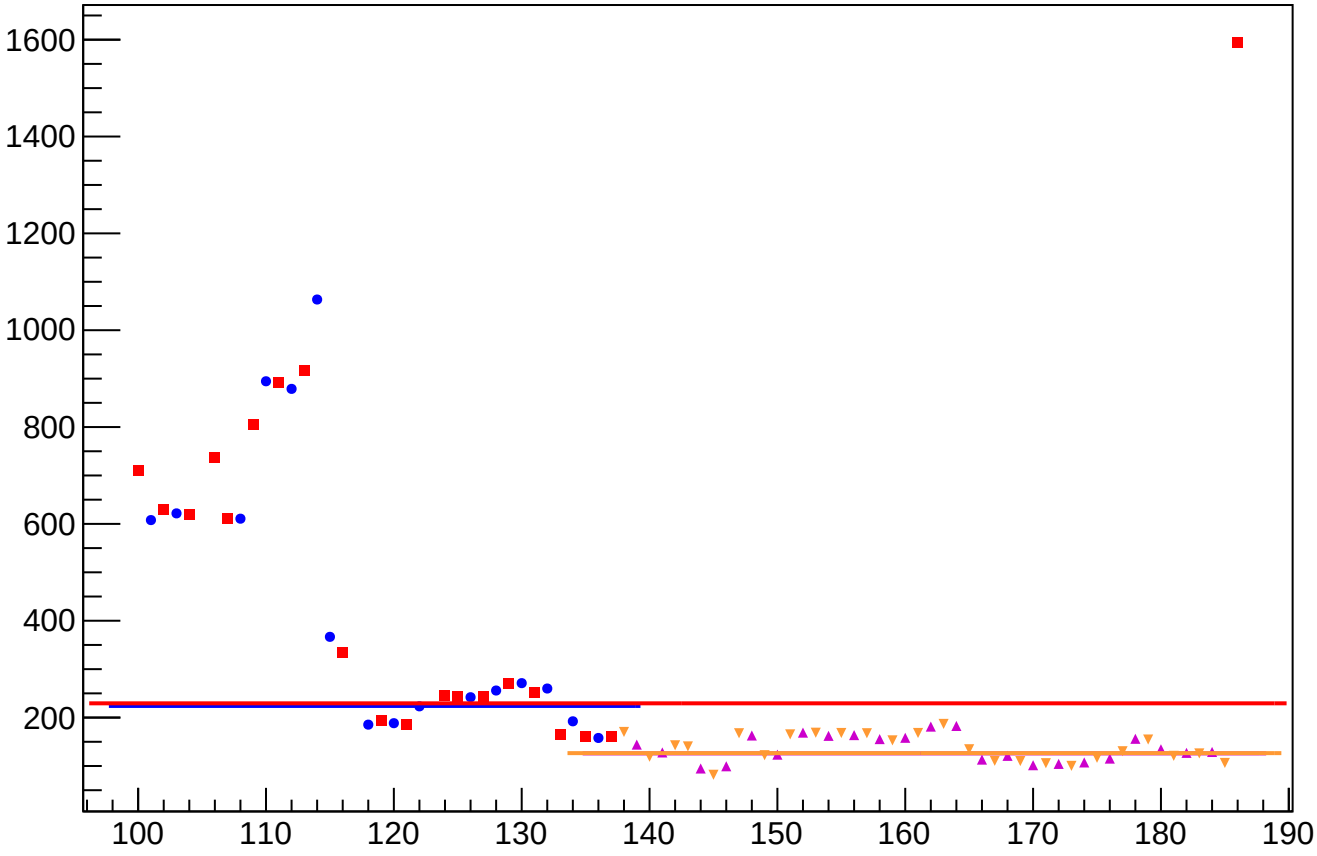
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

\+ sign -93.540+/-28.190 χ^2/NDF: 51.2/40

All: -60.501+/-20.142 χ^2/NDF: 103.2/83

\- sign -26.041+/-28.789 χ^2/NDF: 49.2/42

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 229.421+/-0.068 χ^2/NDF: 4227108.4/19

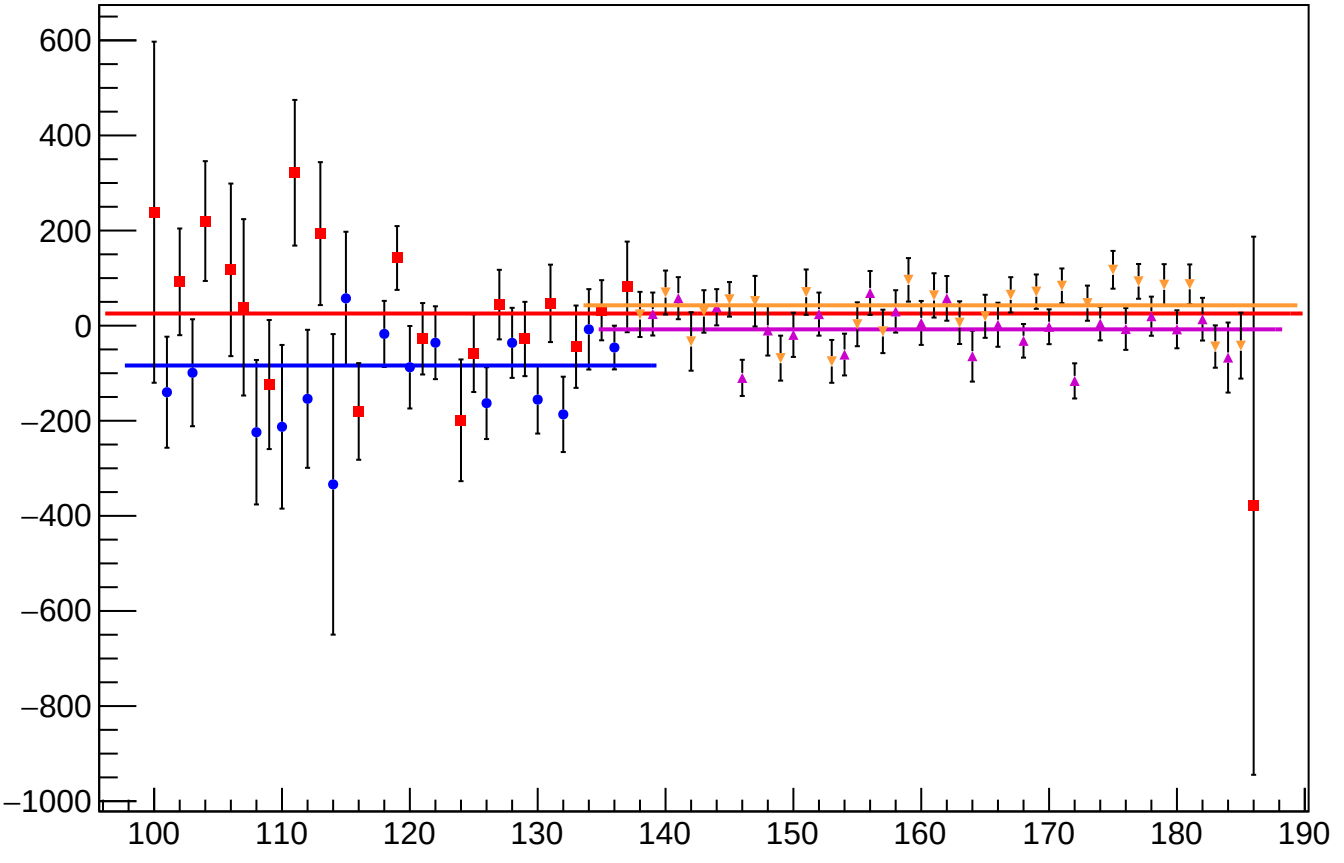
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 135.410+/-0.020 χ^2/NDF: 6700145.5/40

All: 135.385+/-0.014 χ^2/NDF: 14459168.0/83

- sign 135.359+/-0.020 χ^2/NDF: 7759019.4/42

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 25.527+/-22.052 χ^2/NDF: 23.4/19

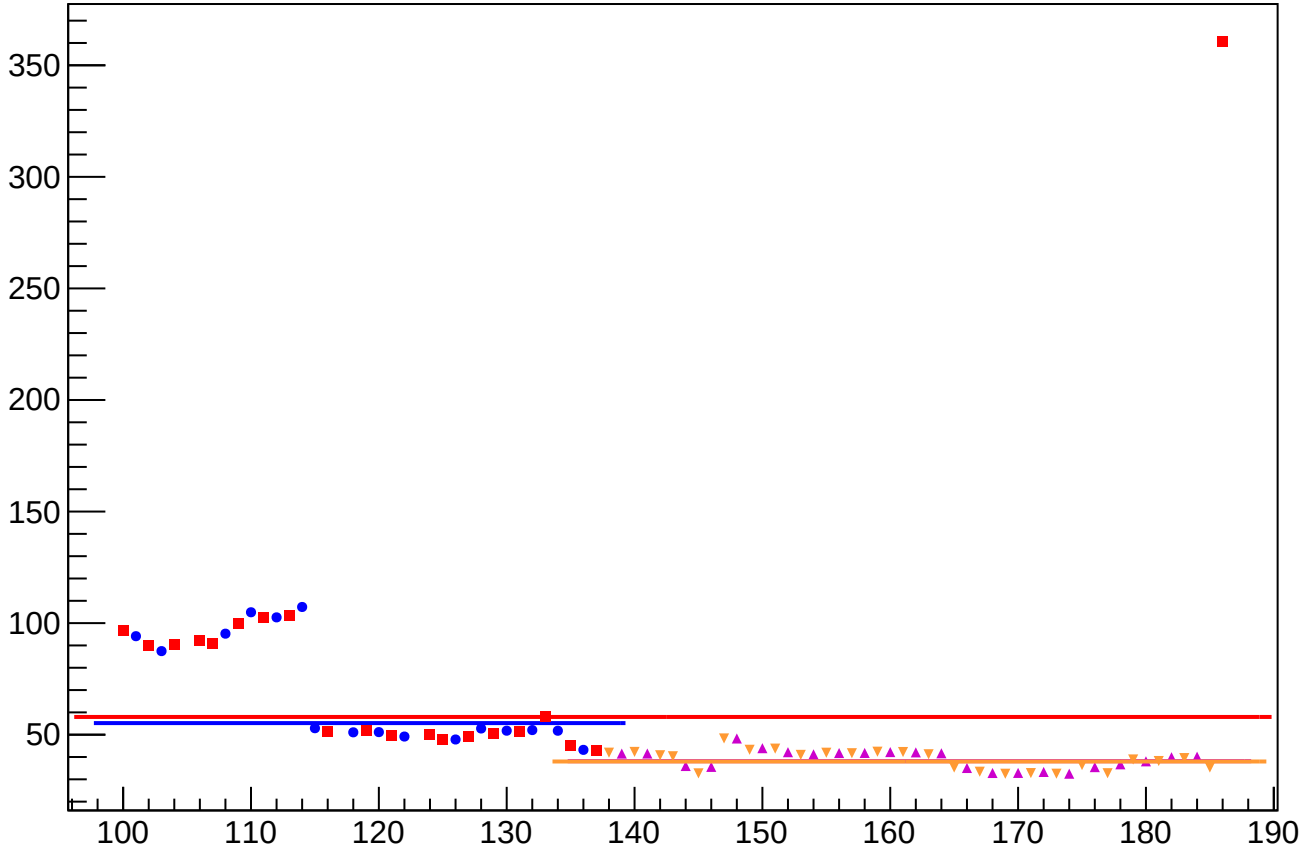
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 24.871+/-8.060 χ^2/NDF: 75.2/40

All: 11.340+/-5.786 χ^2/NDF: 137.0/83

- sign -3.052+/-8.312 χ^2/NDF: 56.0/42

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

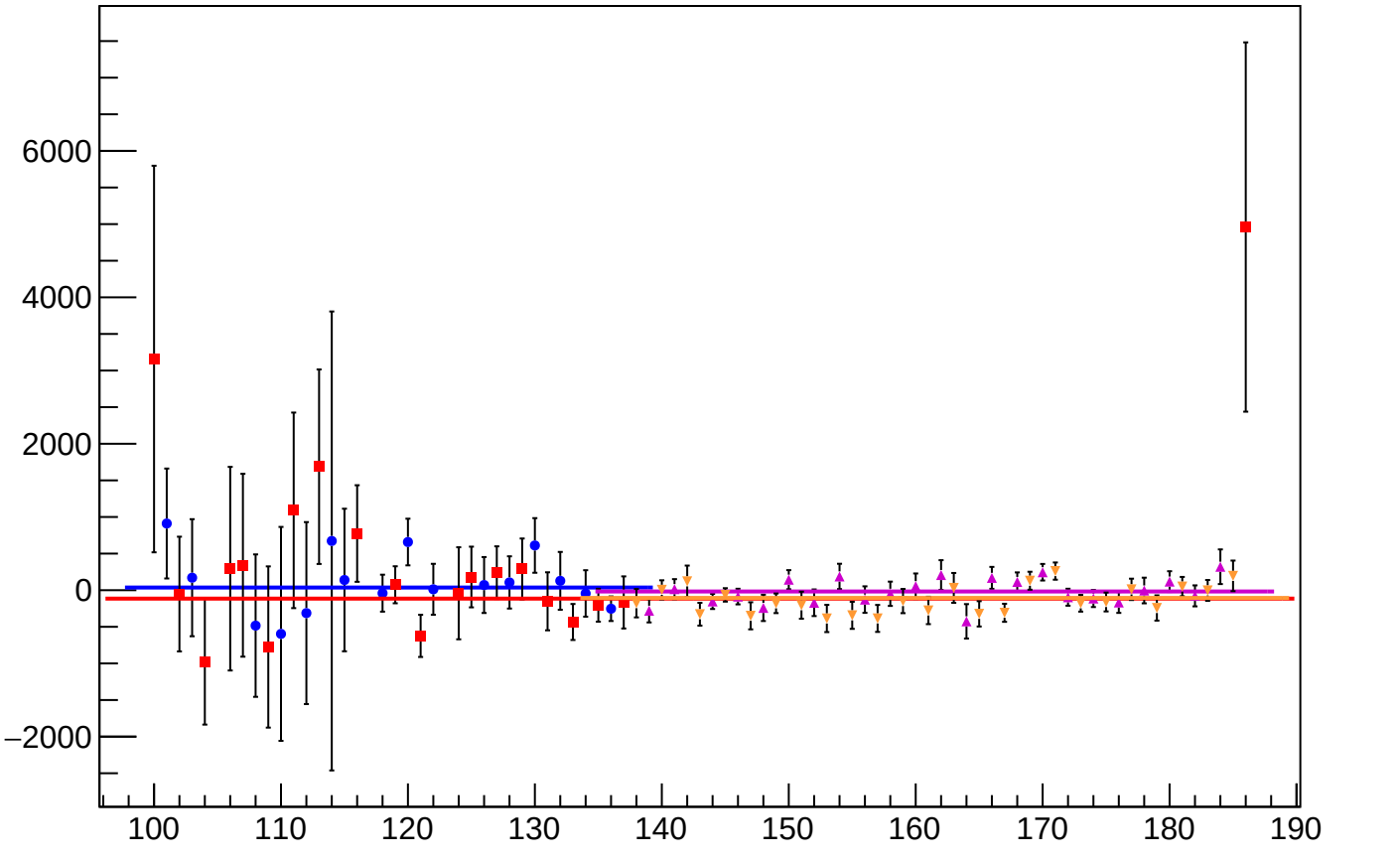
Right Out: 57.951+/-0.016 χ^2/NDF: 1847544.7/19

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.423+/-0.006 χ^2/NDF: 2772950.7/40

All: 40.678+/-0.004 χ^2/NDF: 6438684.2/83

- sign 40.949+/-0.006 χ^2/NDF: 3661610.2/42



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -114.956+/-95.796 χ^2/NDF: 19.6/19

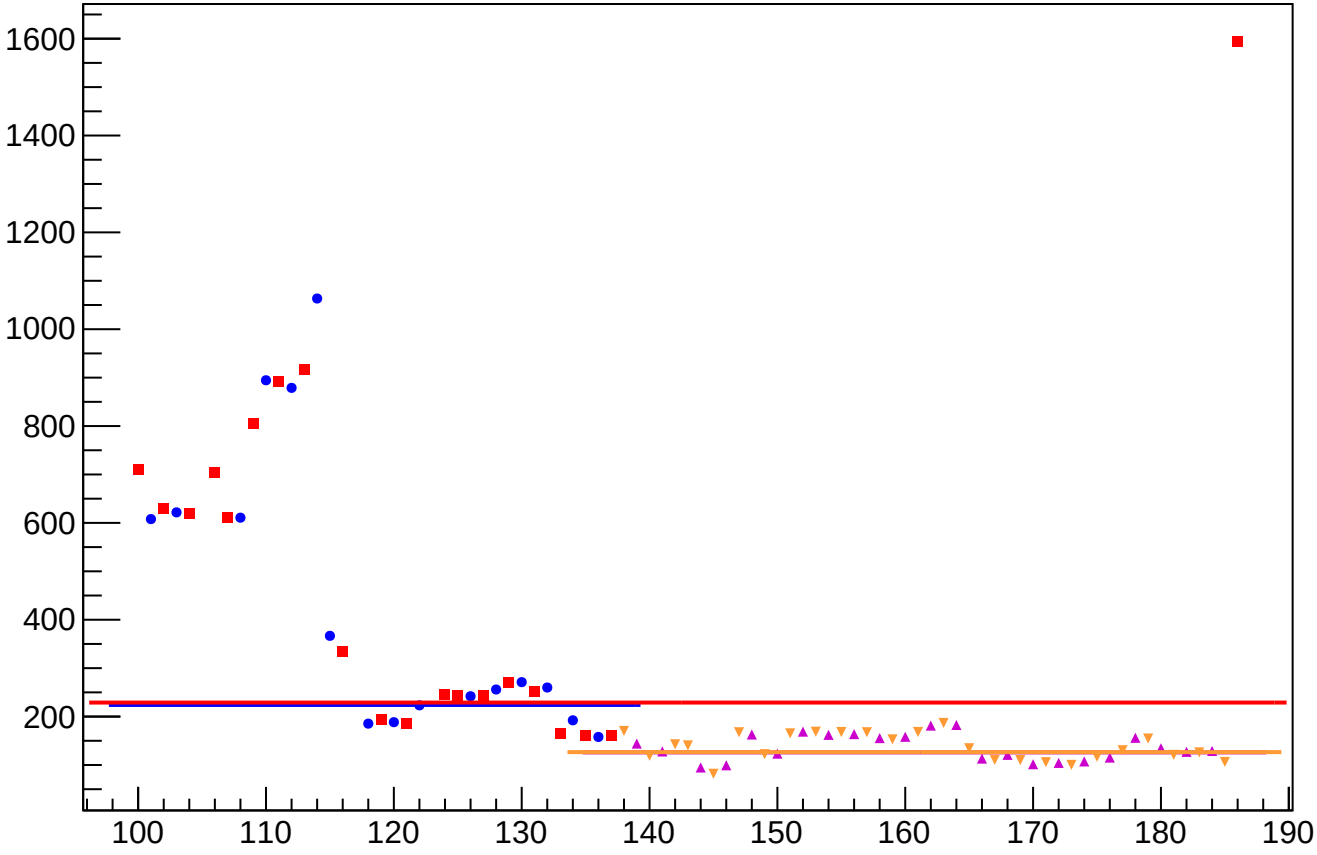
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -93.540+/-28.190 χ^2/NDF: 51.2/40

All: -60.637+/-20.142 χ^2/NDF: 102.8/83

- sign -26.318+/-28.790 χ^2/NDF: 48.8/42

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 228.944+/-0.068 χ^2/NDF: 4158832.0/19

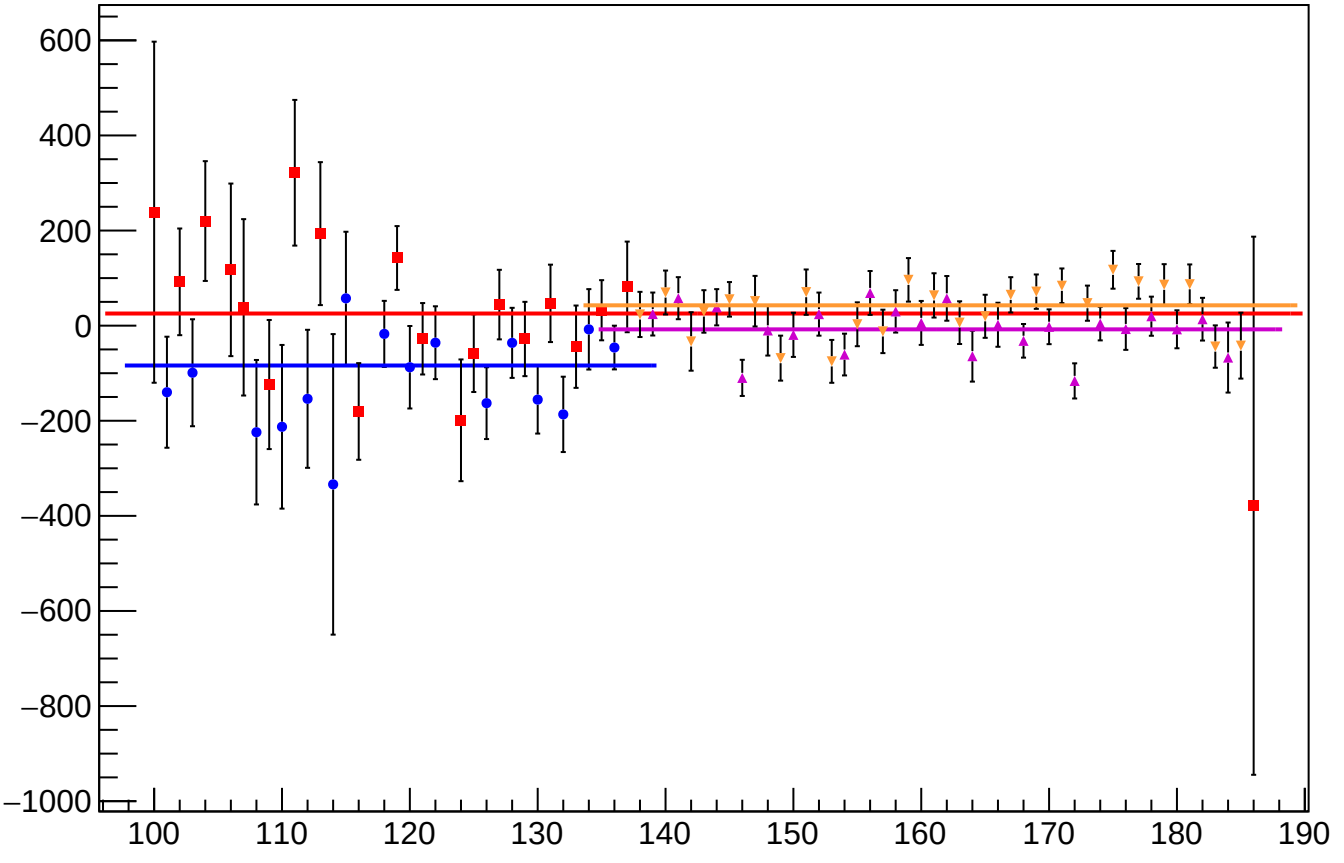
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 135.410+/-0.020 χ^2/NDF: 6700145.2/40

All: 135.361+/-0.014 χ^2/NDF: 14370105.3/83

- sign 135.310+/-0.020 χ^2/NDF: 7669947.8/42

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 25.527+/-22.052 χ^2/NDF: 23.4/19

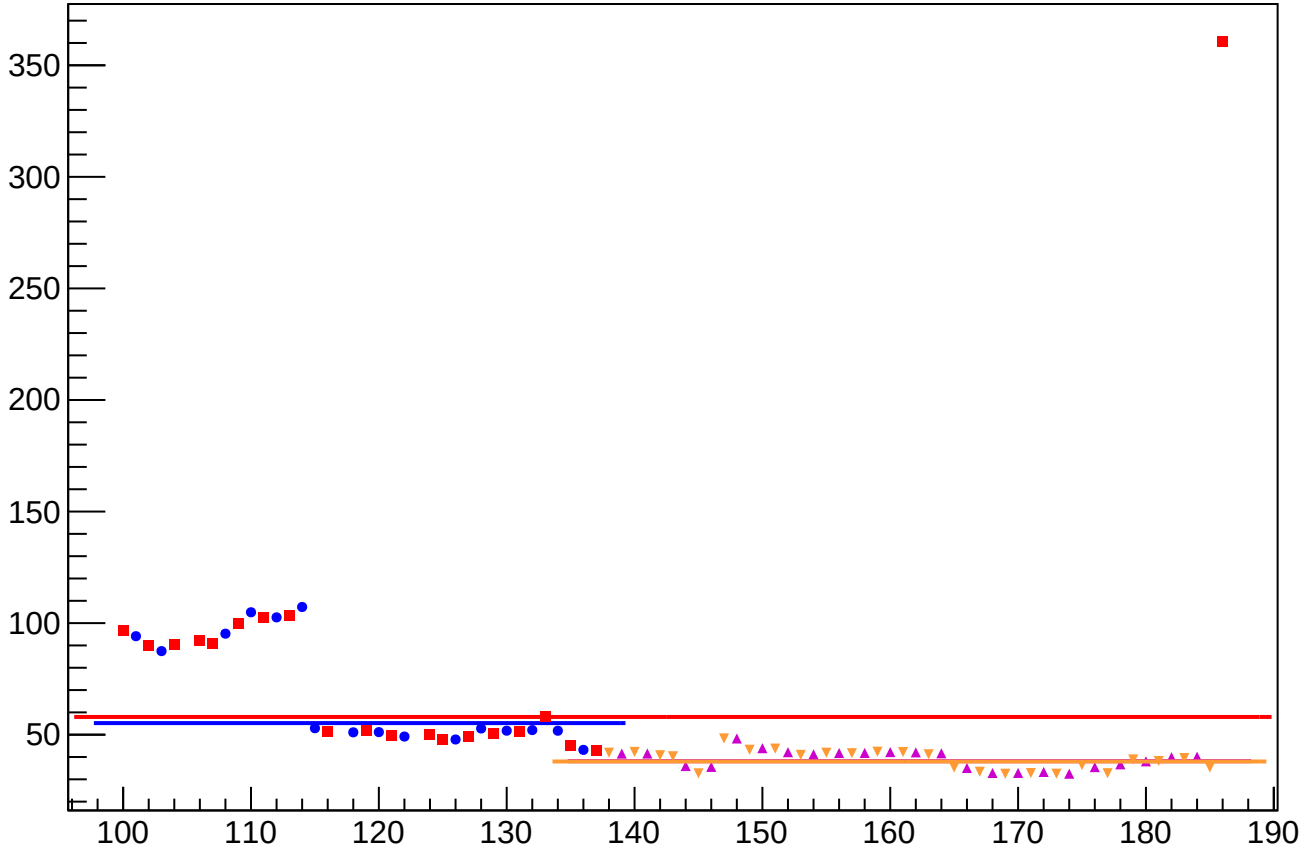
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 24.871+/-8.060 χ^2/NDF: 75.2/40

All: 11.340+/-5.786 χ^2/NDF: 137.0/83

- sign -3.052+/-8.312 χ^2/NDF: 56.0/42

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

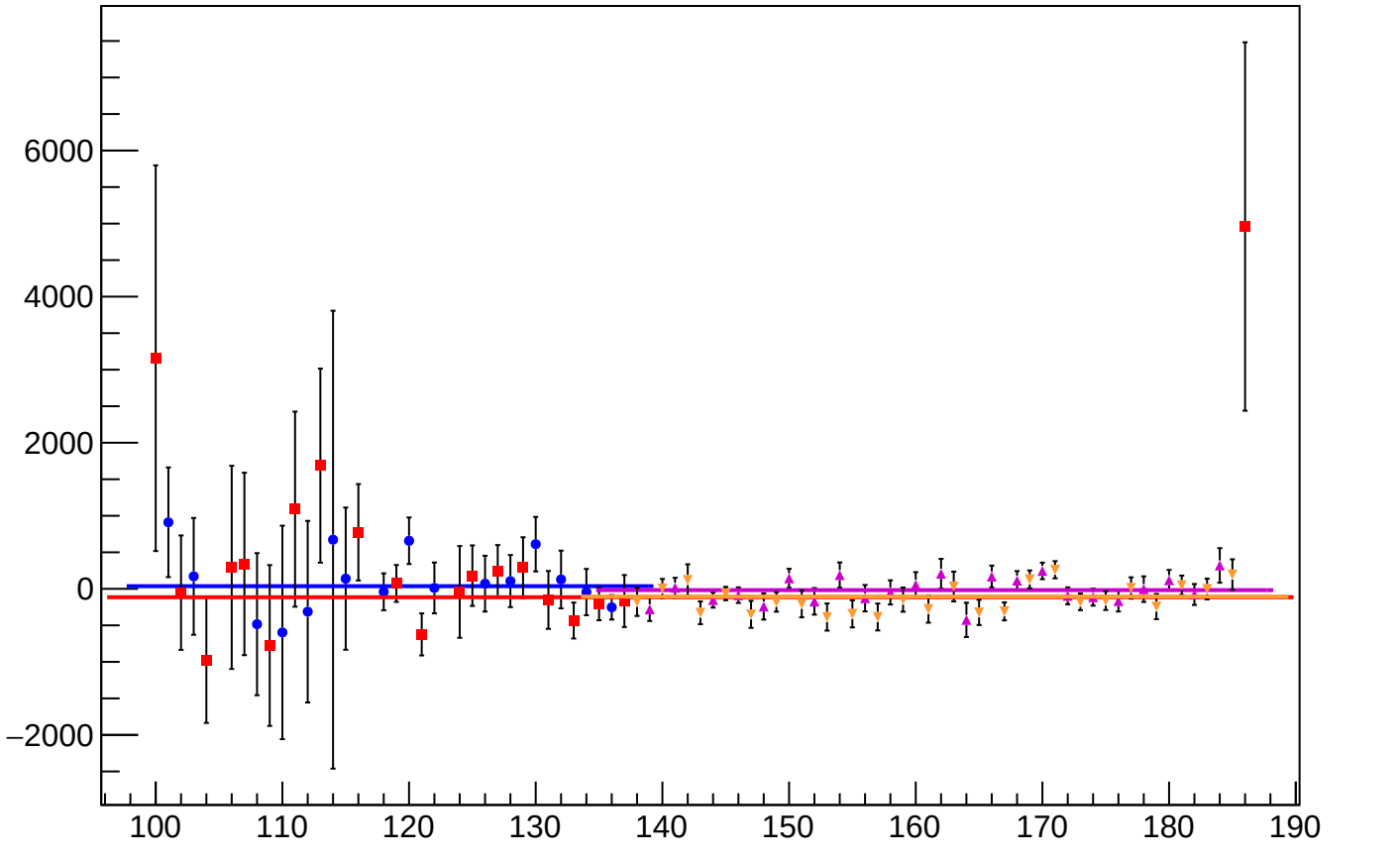
Right Out: 57.951+/-0.016 χ^2/NDF: 1847544.7/19

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.423+/-0.006 χ^2/NDF: 2772950.7/40

All: 40.678+/-0.004 χ^2/NDF: 6438684.2/83

- sign 40.949+/-0.006 χ^2/NDF: 3661610.2/42



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

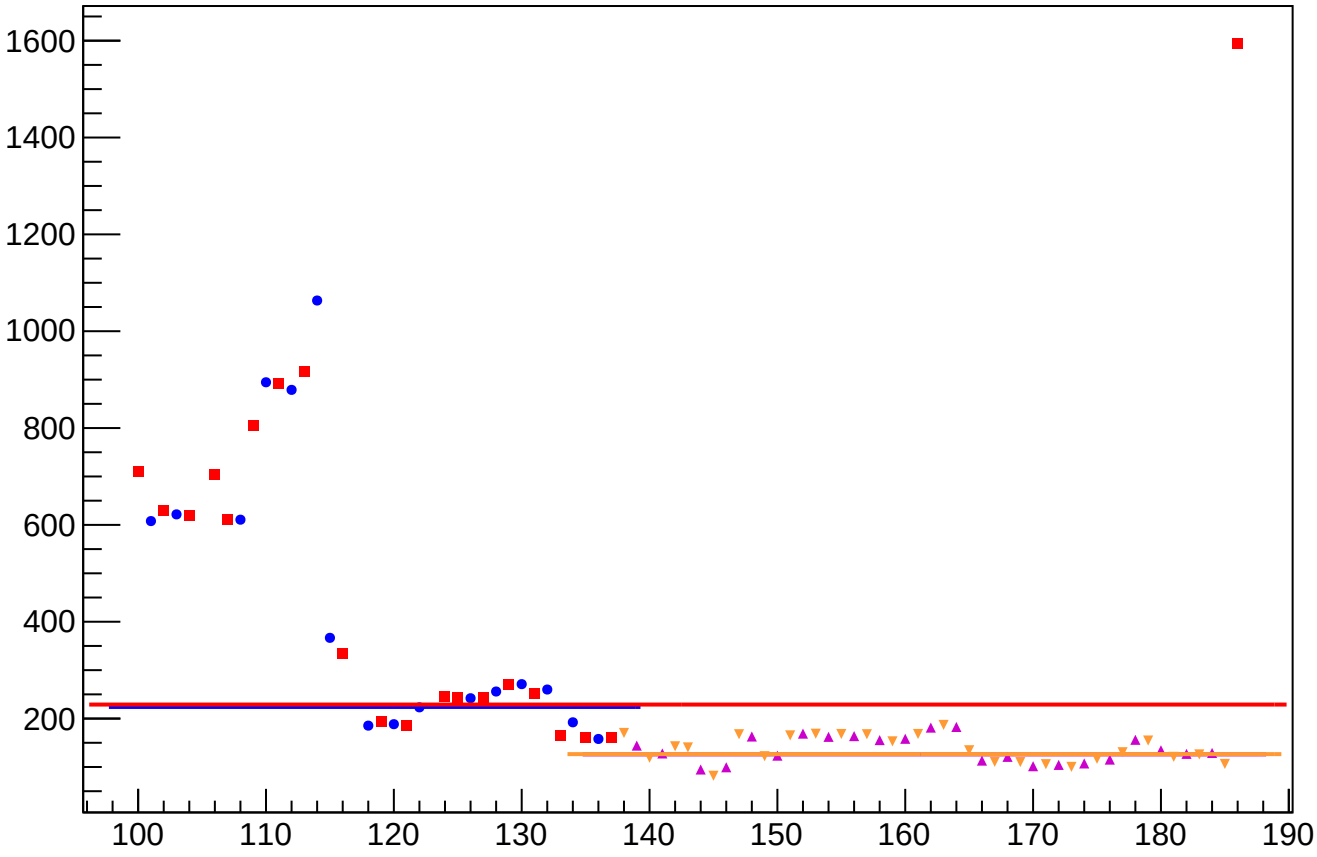
Right Out: -114.956+/-95.796 χ^2/NDF: 19.6/19

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

\+ sign -93.540+/-28.190 χ^2/NDF: 51.2/40

All: -60.637+/-20.142 χ^2/NDF: 102.8/83

\- sign -26.318+/-28.790 χ^2/NDF: 48.8/42



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 228.944+/-0.068 χ^2/NDF: 4158832.0/19

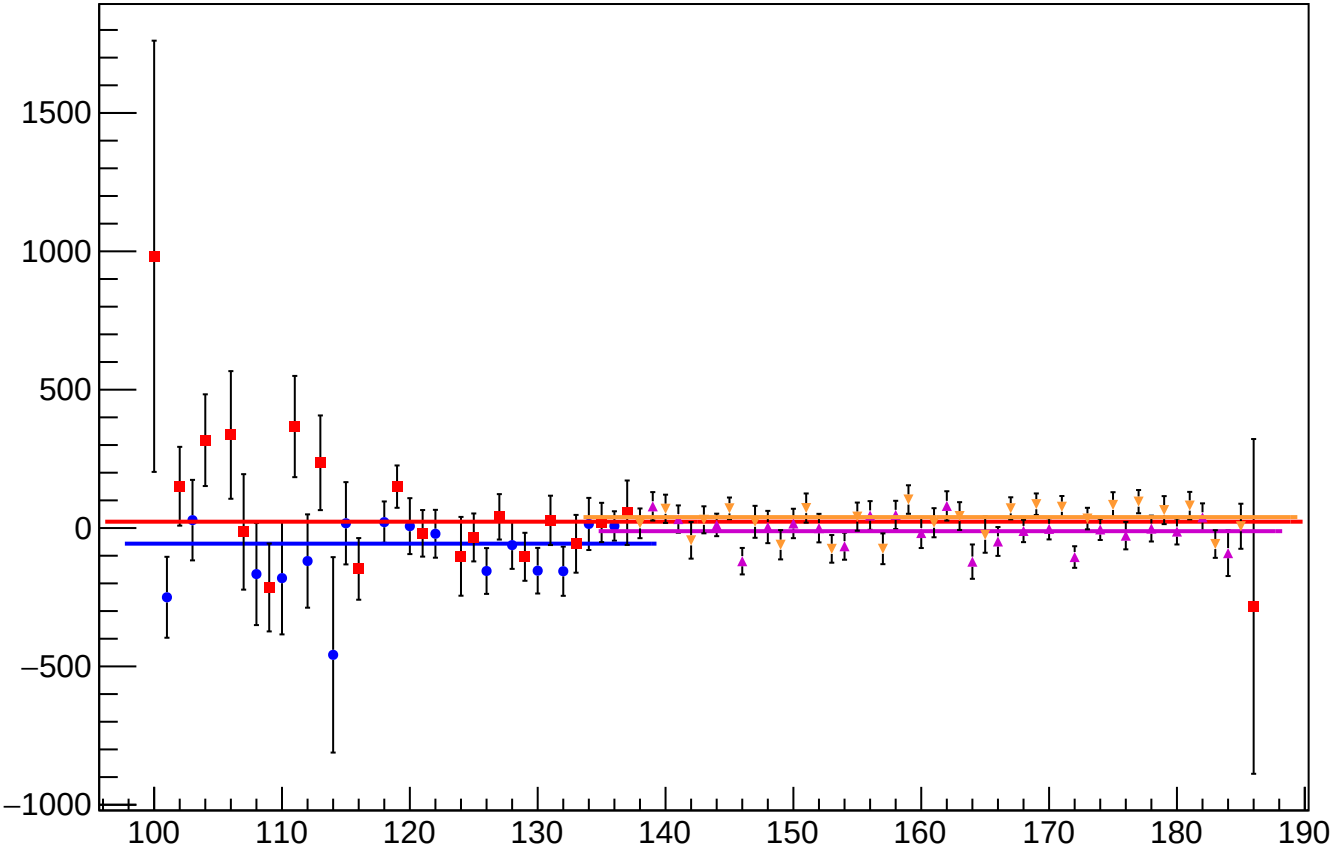
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 135.410+/-0.020 χ^2/NDF: 6700145.2/40

All: 135.361+/-0.014 χ^2/NDF: 14370105.3/83

- sign 135.310+/-0.020 χ^2/NDF: 7669947.8/42

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 22.966+/-25.139 χ^2/NDF: 24.3/19

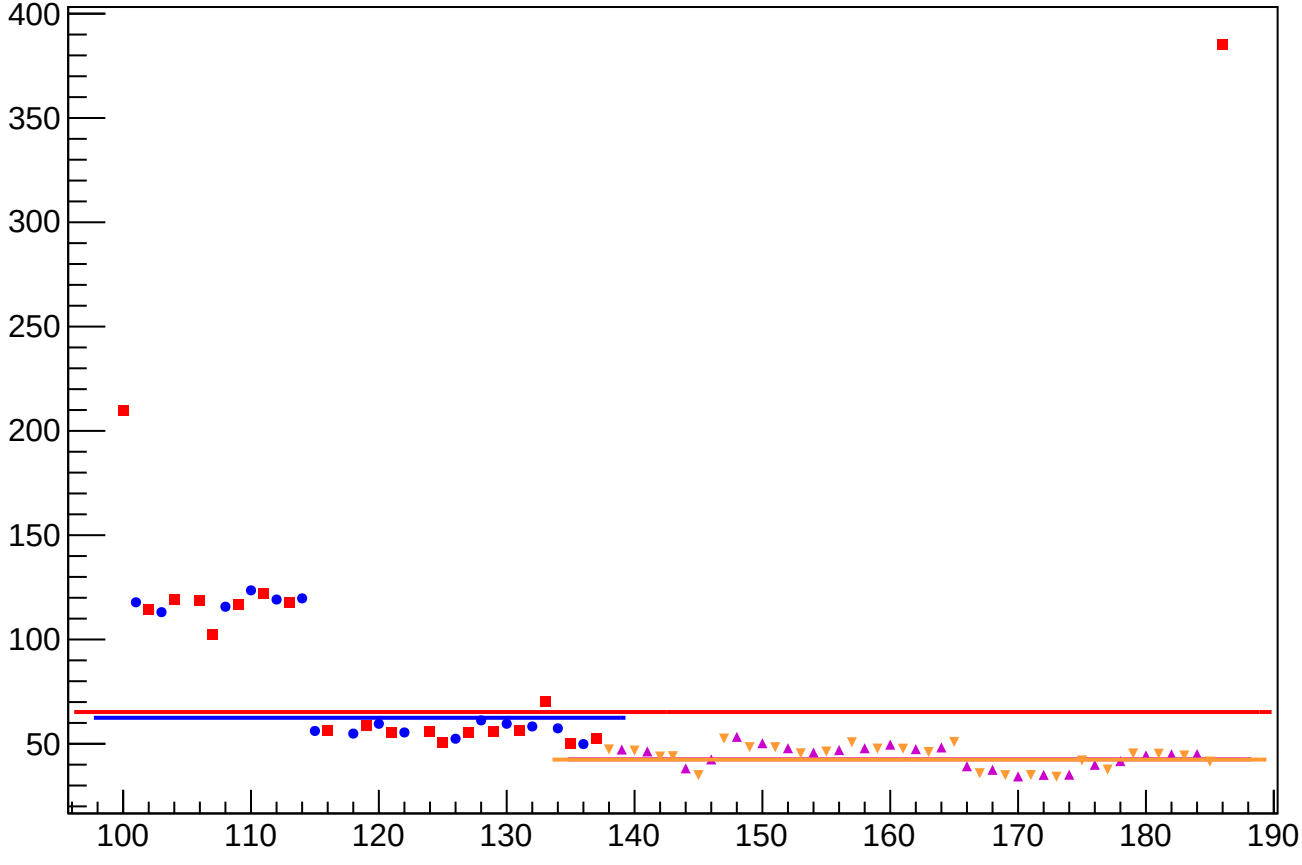
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 26.442+/-9.055 χ^2/NDF: 55.1/40

All: 10.476+/-6.506 χ^2/NDF: 115.4/83

- sign -6.561+/-9.354 χ^2/NDF: 53.9/42

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 65.234+/-0.018 χ^2/NDF: 2150962.1/19

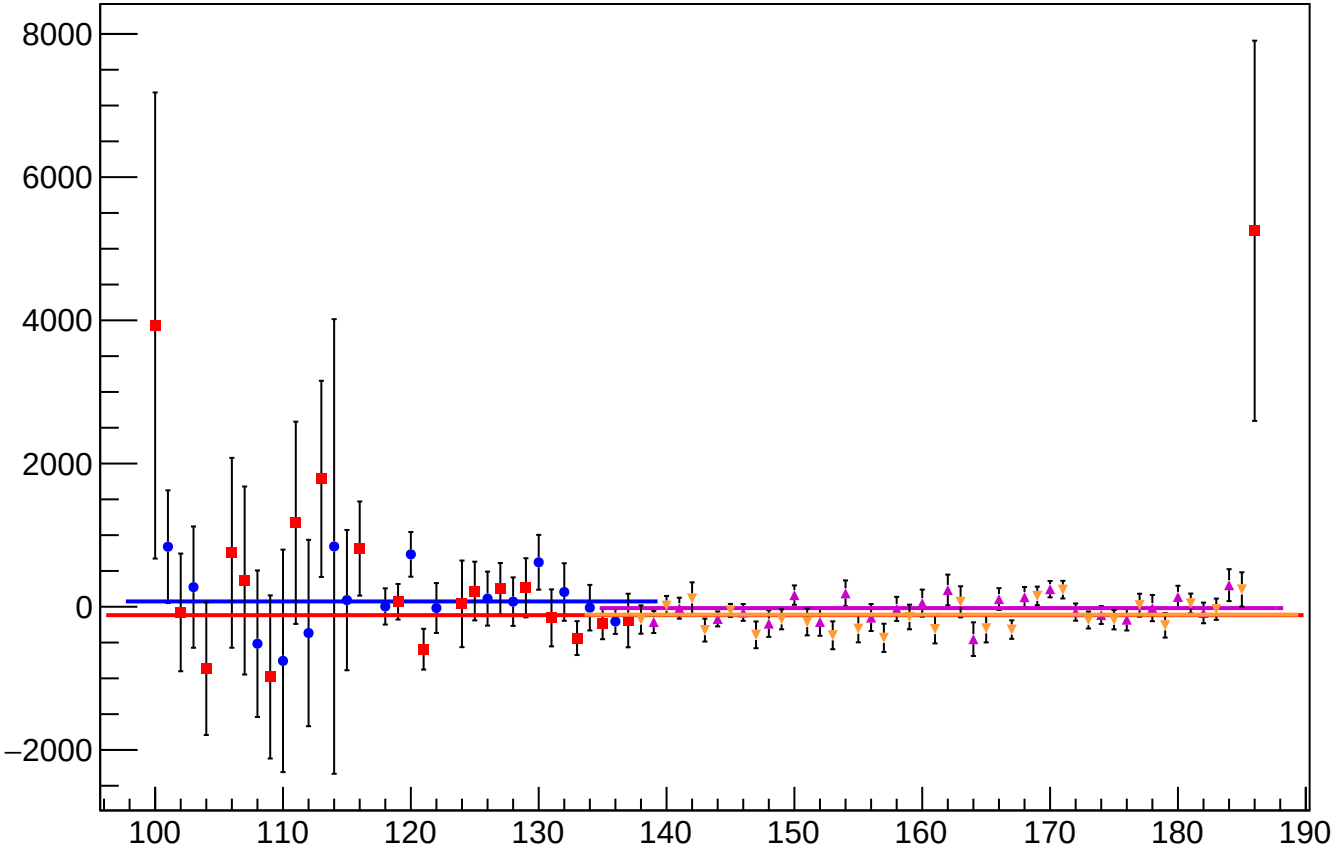
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 45.167+/-0.006 χ^2/NDF: 3204149.1/40

All: 45.432+/-0.005 χ^2/NDF: 7347987.8/83

- sign 45.715+/-0.007 χ^2/NDF: 4140289.8/42

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -117.378+/-94.605 χ^2/NDF: 20.4/19

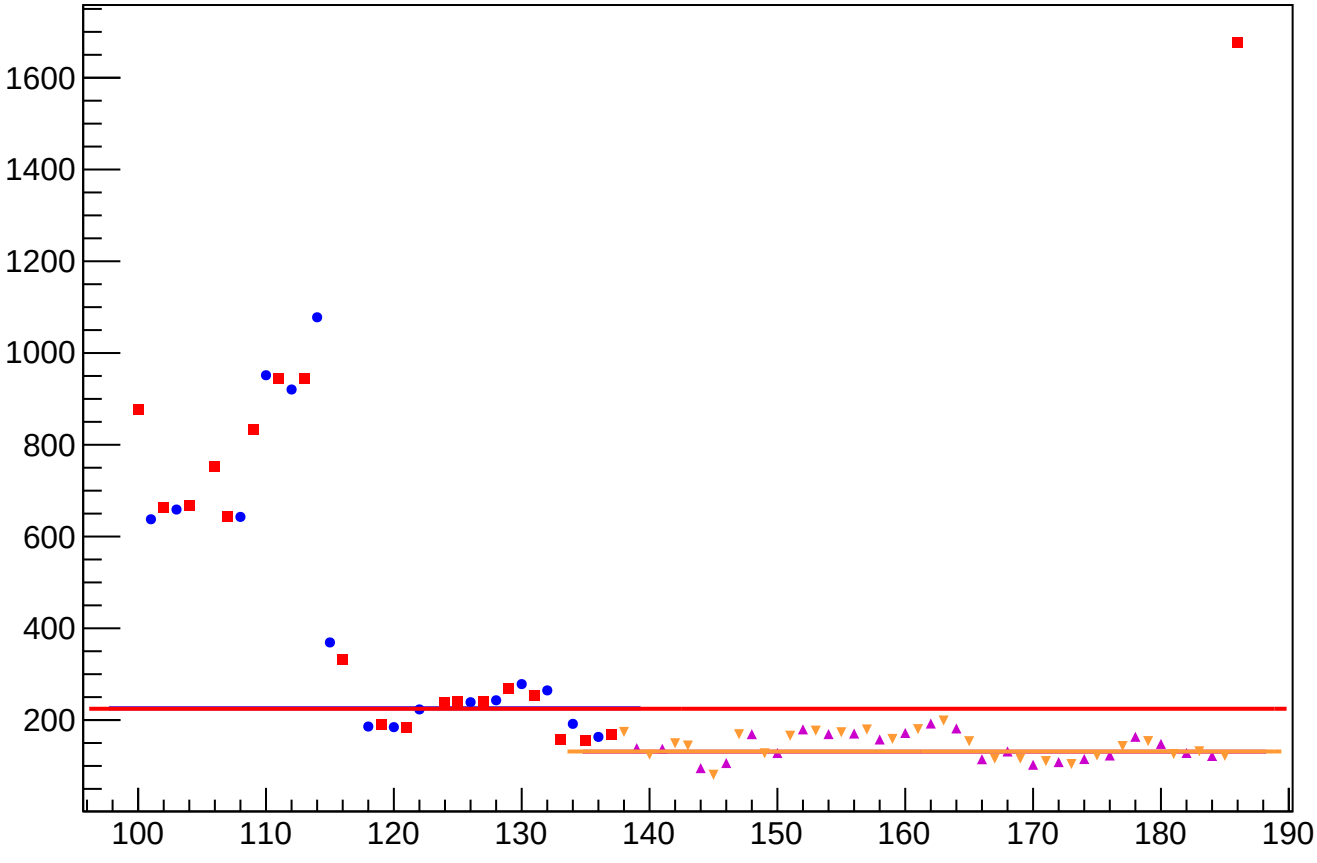
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -92.225+/-29.248 χ^2/NDF: 50.9/40

All: -61.107+/-20.897 χ^2/NDF: 101.8/83

- sign -28.659+/-29.867 χ^2/NDF: 48.6/42

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 224.632+/-0.067 χ^2/NDF: 4447117.4/19

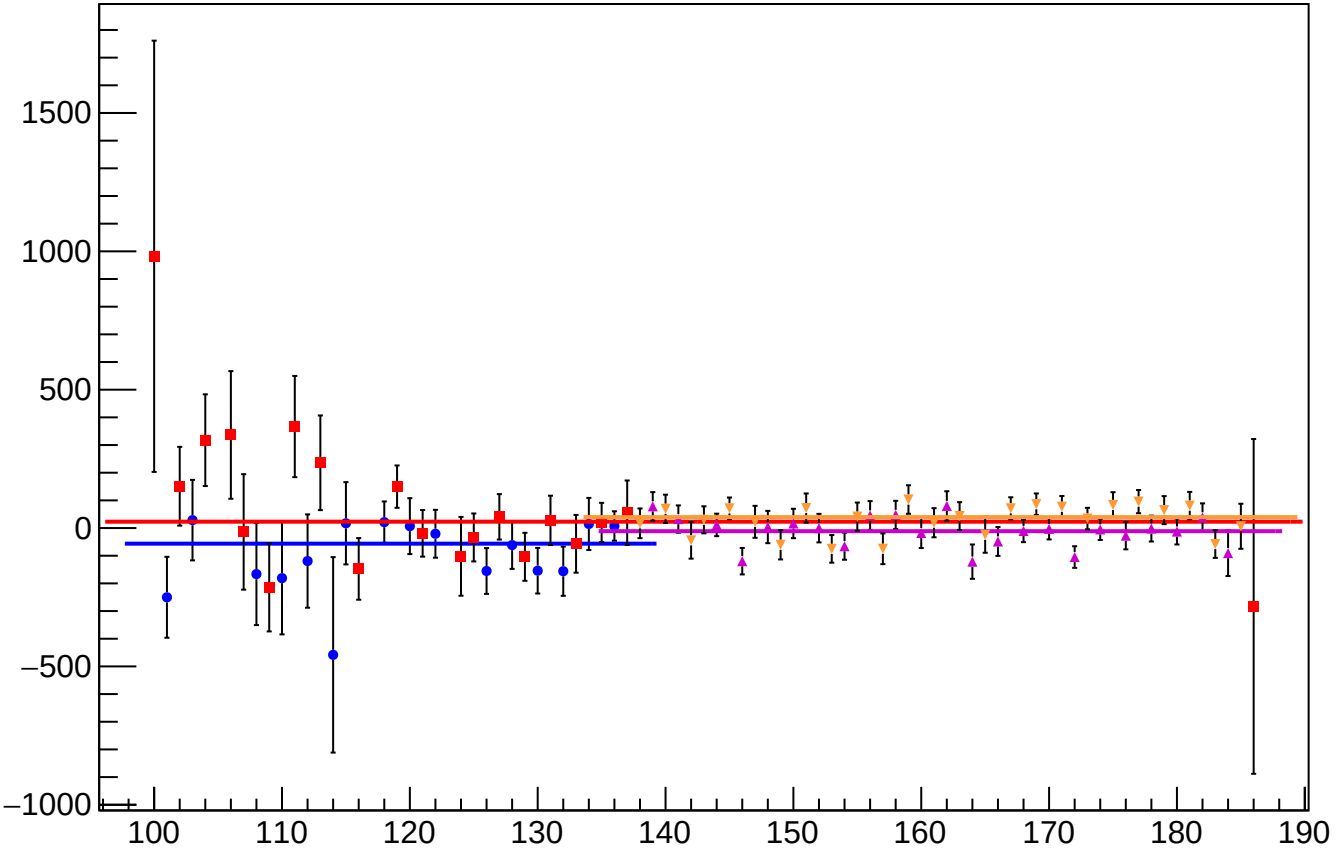
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 140.531+/-0.021 χ^2/NDF: 6722333.2/40

All: 140.466+/-0.015 χ^2/NDF: 14398300.7/83

- sign 140.398+/-0.021 χ^2/NDF: 7675947.6/42

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 22.969+/-25.139 χ^2/NDF: 24.3/19

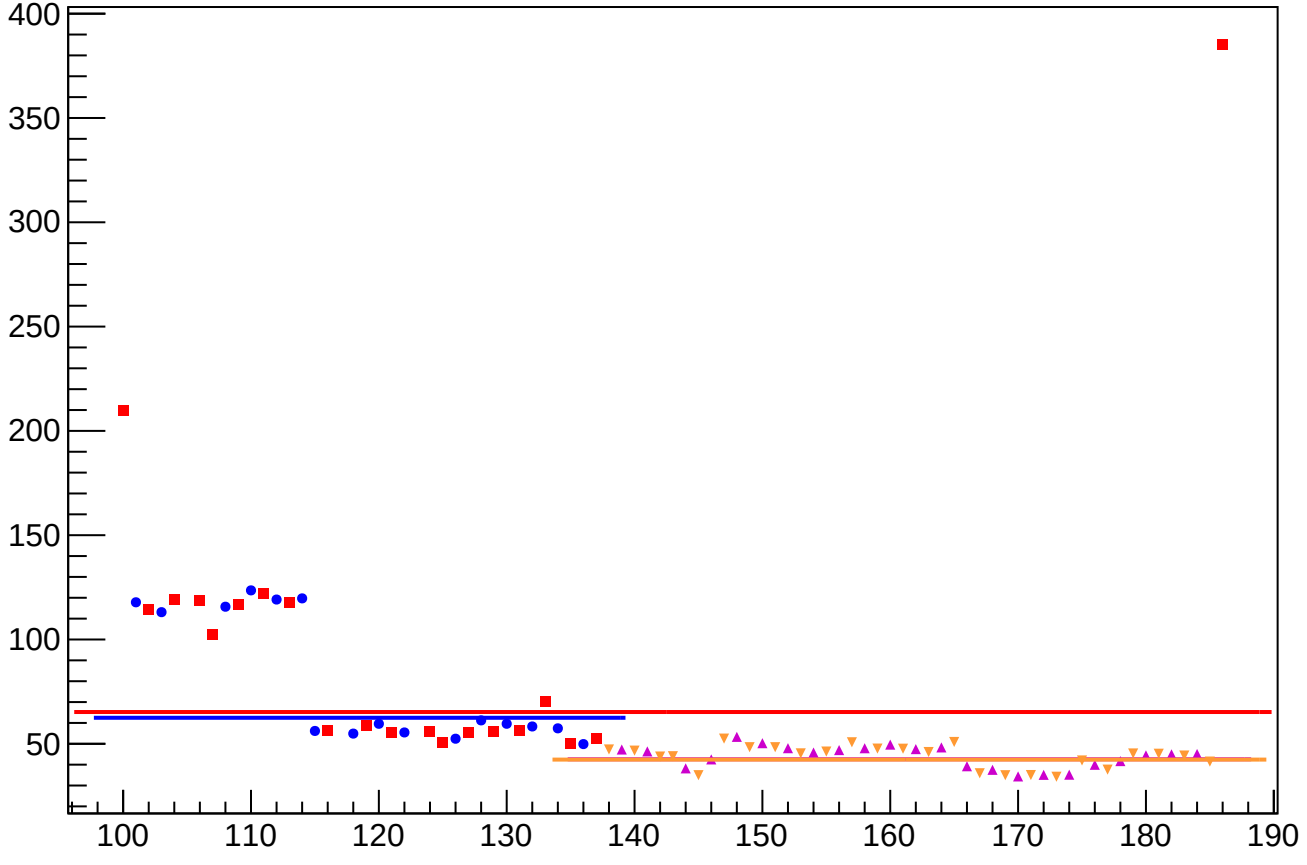
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 26.443+/-9.055 χ^2/NDF: 55.1/40

All: 10.477+/-6.506 χ^2/NDF: 115.4/83

- sign -6.561+/-9.354 χ^2/NDF: 53.9/42

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

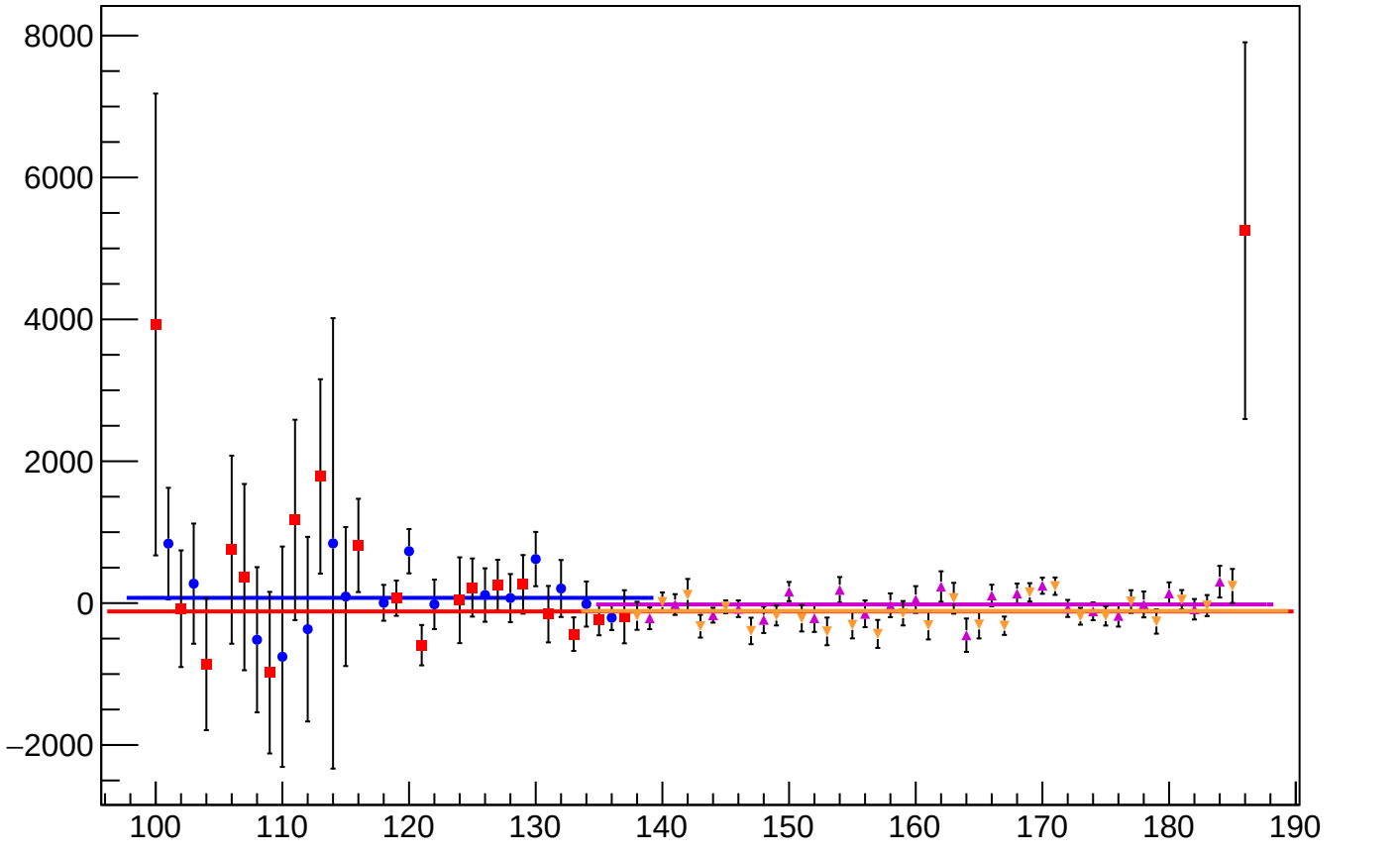
Right Out: 65.234+/-0.018 χ^2/NDF: 2150942.6/19

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 45.167+/-0.006 χ^2/NDF: 3204106.3/40

All: 45.432+/-0.005 χ^2/NDF: 7347898.4/83

- sign 45.715+/-0.007 χ^2/NDF: 4140241.9/42



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

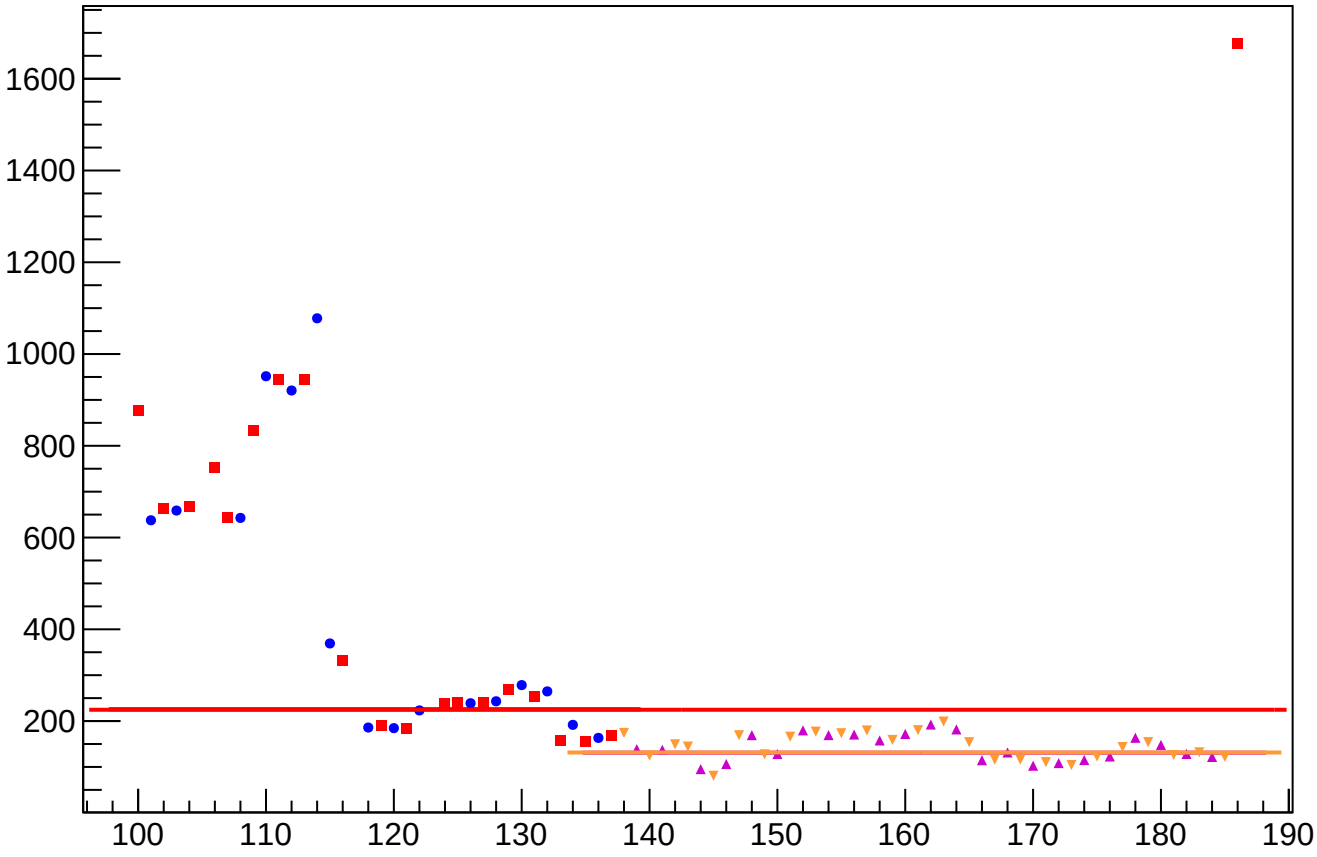
Right Out: -117.376+/-94.605 χ^2/NDF: 20.4/19

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -92.225+/-29.248 χ^2/NDF: 50.9/40

All: -61.107+/-20.897 χ^2/NDF: 101.8/83

- sign -28.659+/-29.867 χ^2/NDF: 48.6/42



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

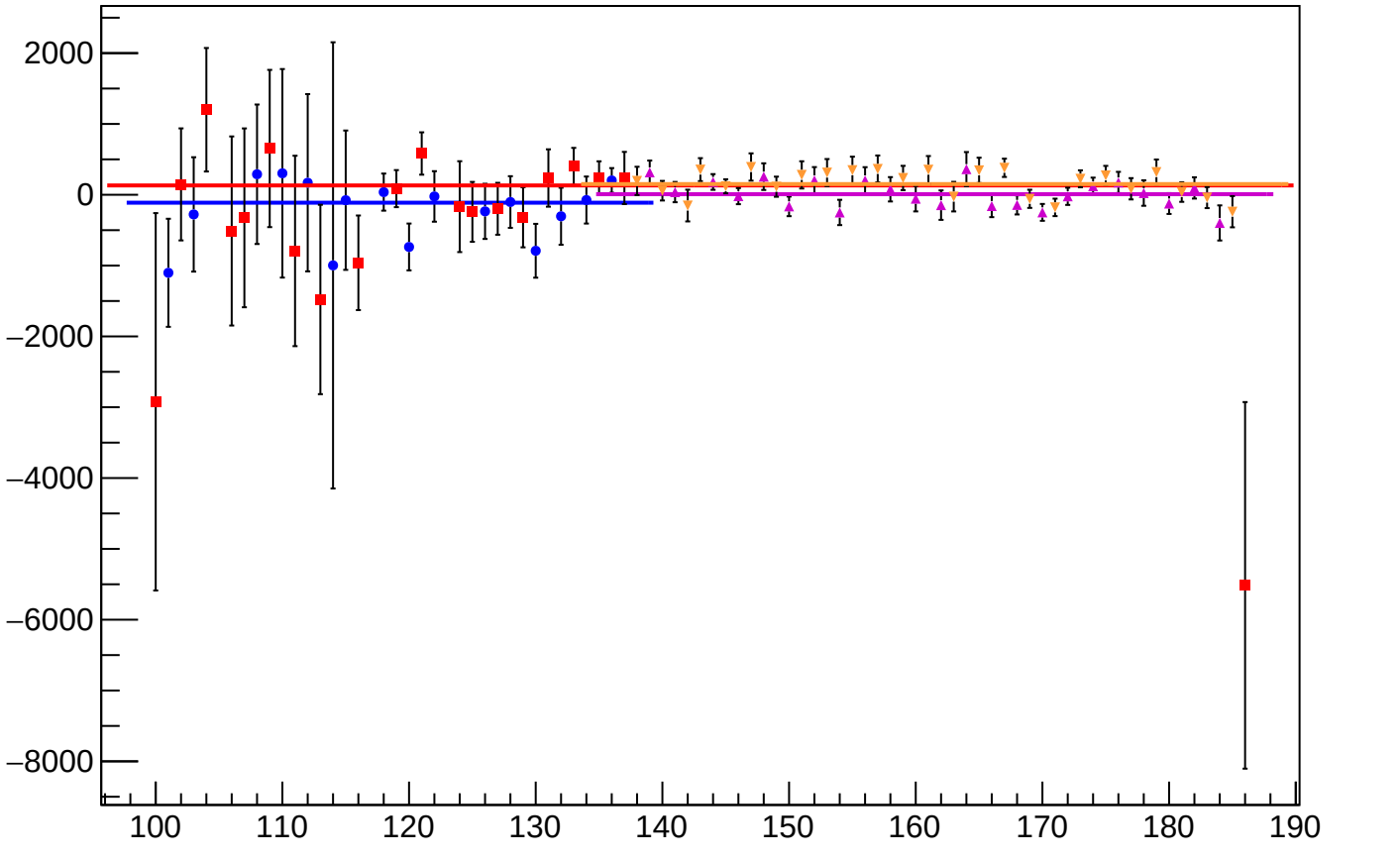
Right Out: 224.632+/-0.067 χ^2/NDF: 4447097.6/19

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 140.531+/-0.021 χ^2/NDF: 6722306.3/40

All: 140.466+/-0.015 χ^2/NDF: 14398265.8/83

- sign 140.399+/-0.021 χ^2/NDF: 7675939.6/42



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 131.682+/-99.101 χ^2/NDF: 19.4/19

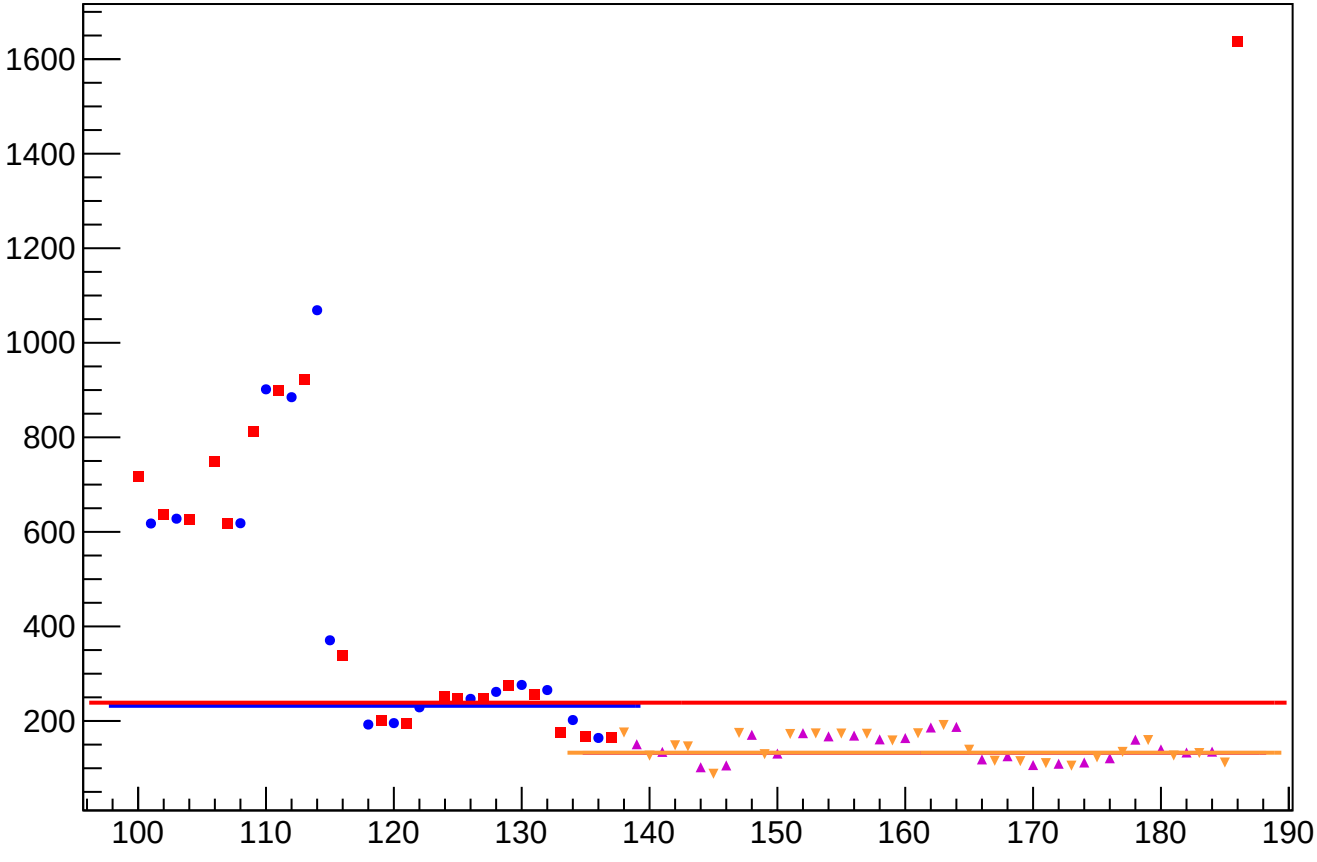
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 126.597+/-29.474 χ^2/NDF: 52.6/40

All: 74.156+/-21.068 χ^2/NDF: 109.4/83

- sign 19.375+/-30.125 χ^2/NDF: 50.3/42

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

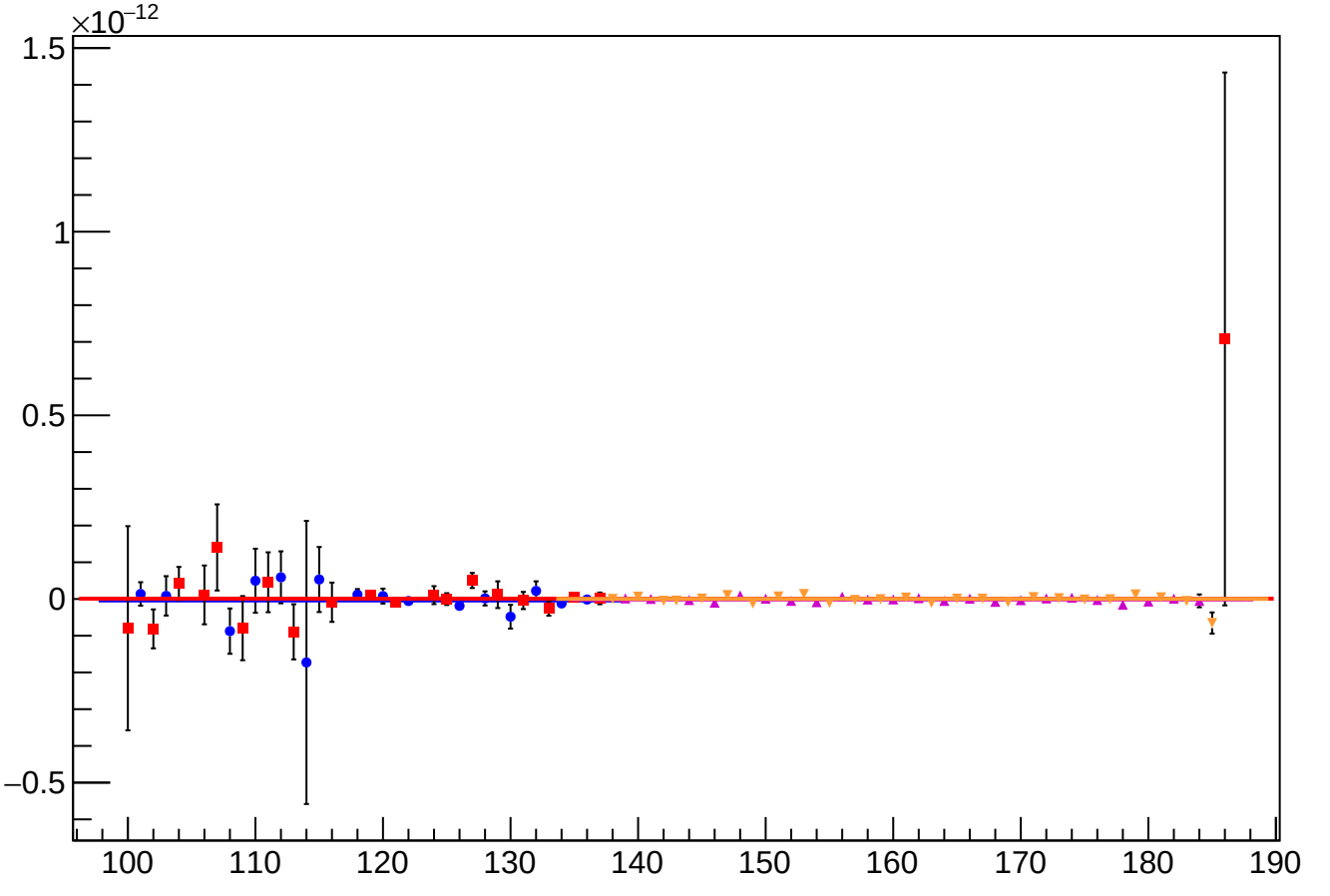
Right Out: 238.700+/-0.070 χ^2/NDF: 4105947.2/19

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 142.123+/-0.021 χ^2/NDF: 6393536.0/40

All: 142.146+/-0.015 χ^2/NDF: 13868046.3/83

- sign 142.170+/-0.021 χ^2/NDF: 7474507.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/19

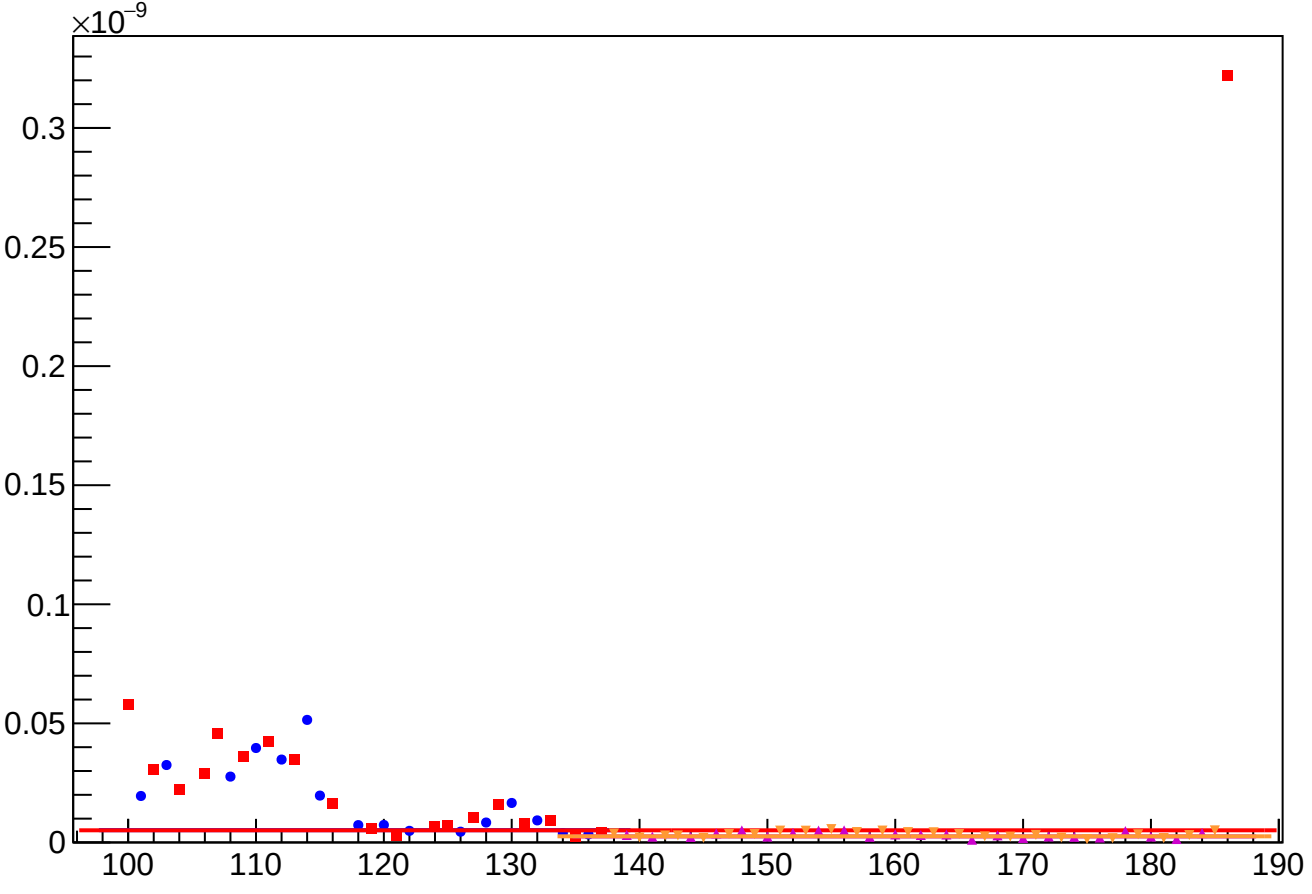
Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.9/40

All: -0.000+/-0.000 χ^2/NDF: 79.7/83

- sign -0.000+/-0.000 χ^2/NDF: 34.2/42

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

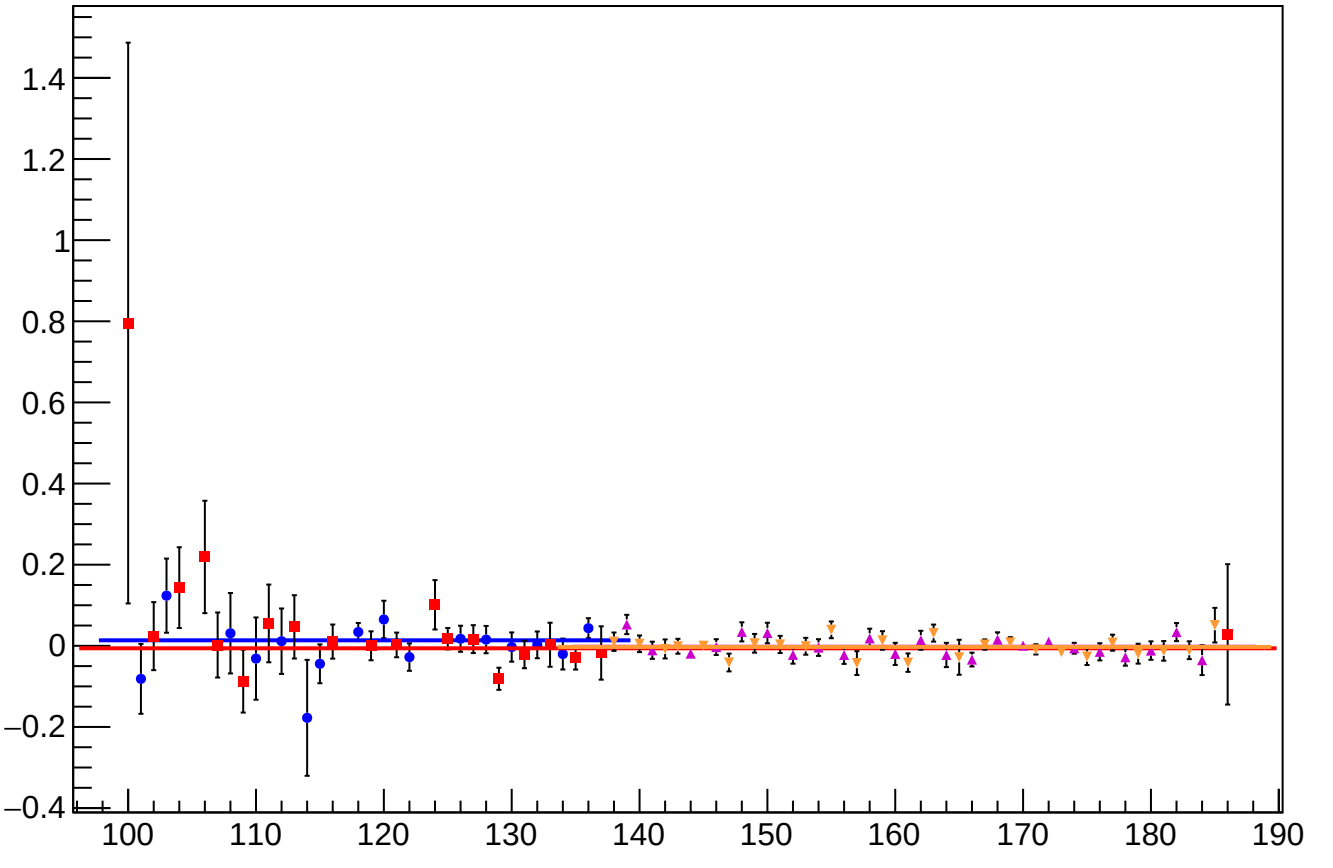
Right Out: 0.000+/-0.000 χ^2/NDF: 3617938.9/19

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5711419.6/40

All: 0.000+/-0.000 χ^2/NDF: 11656090.5/83

- sign 0.000+/-0.000 χ^2/NDF: 5940393.3/42



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

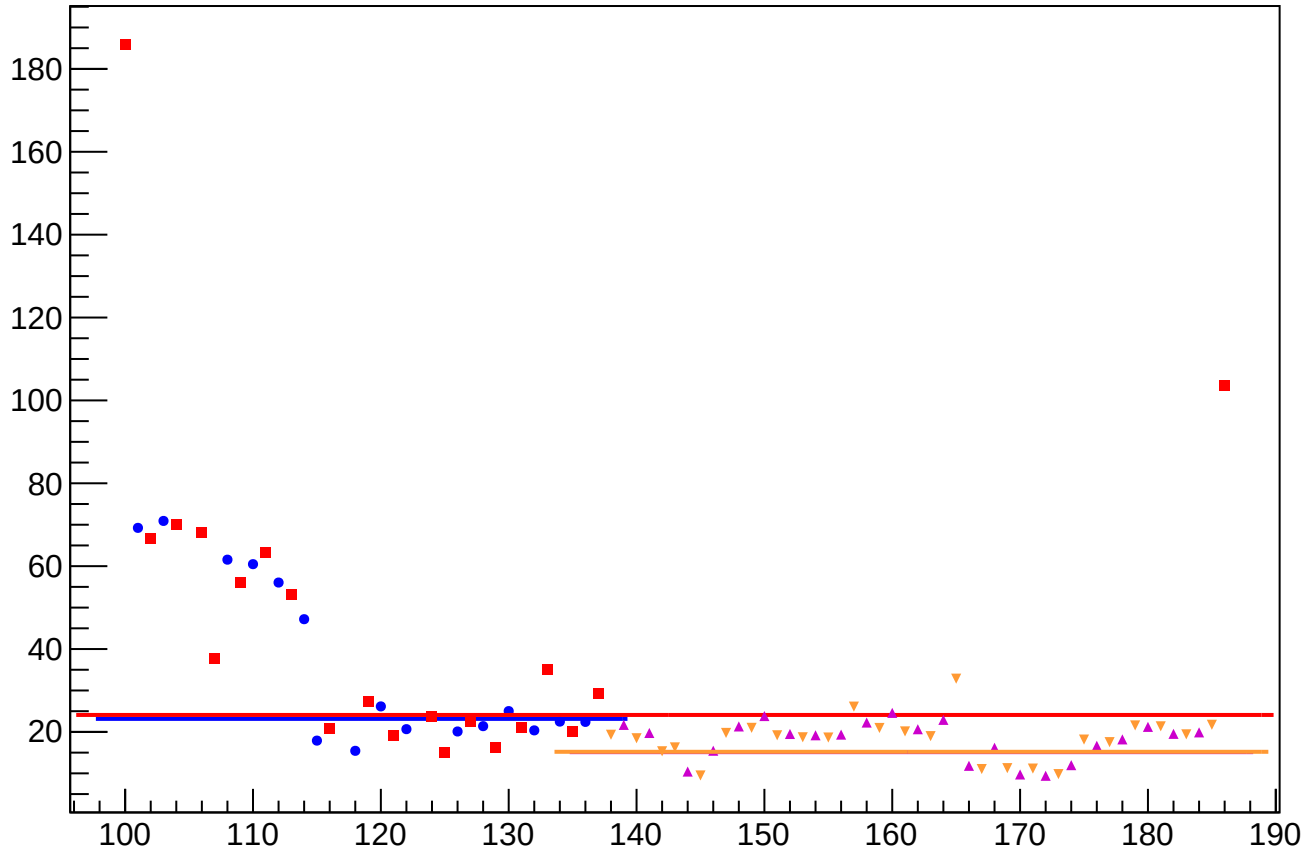
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/19

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 37.4/40

All: -0.002+/-0.002 χ^2/NDF: 86.1/83

- sign -0.003+/-0.004 χ^2/NDF: 48.6/42



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

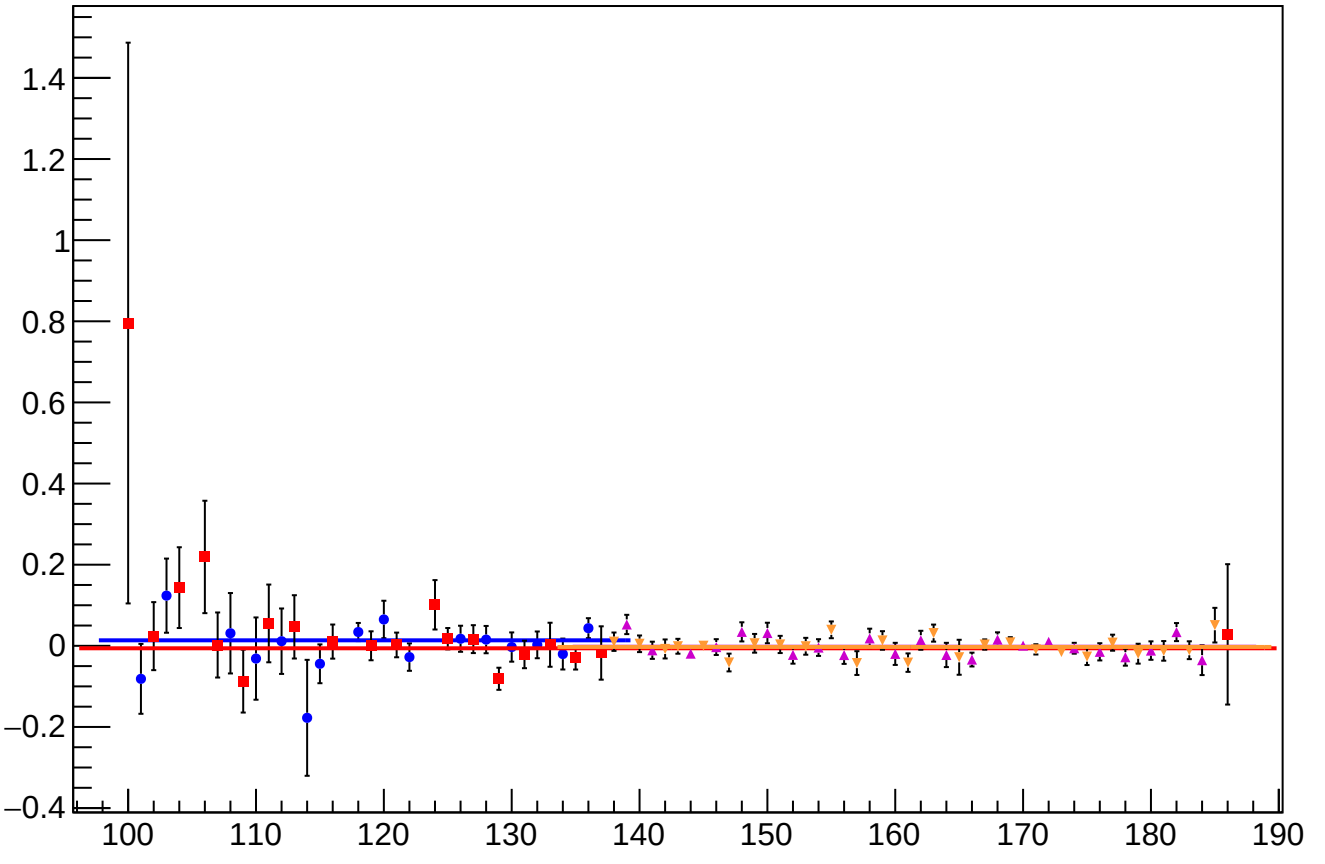
Right Out: 24.094+/-0.007 χ^2/NDF: 3322595.1/19

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.187+/-0.002 χ^2/NDF: 6988486.0/40

All: 16.219+/-0.002 χ^2/NDF: 15107533.5/83

- sign 16.252+/-0.003 χ^2/NDF: 8118701.4/42



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

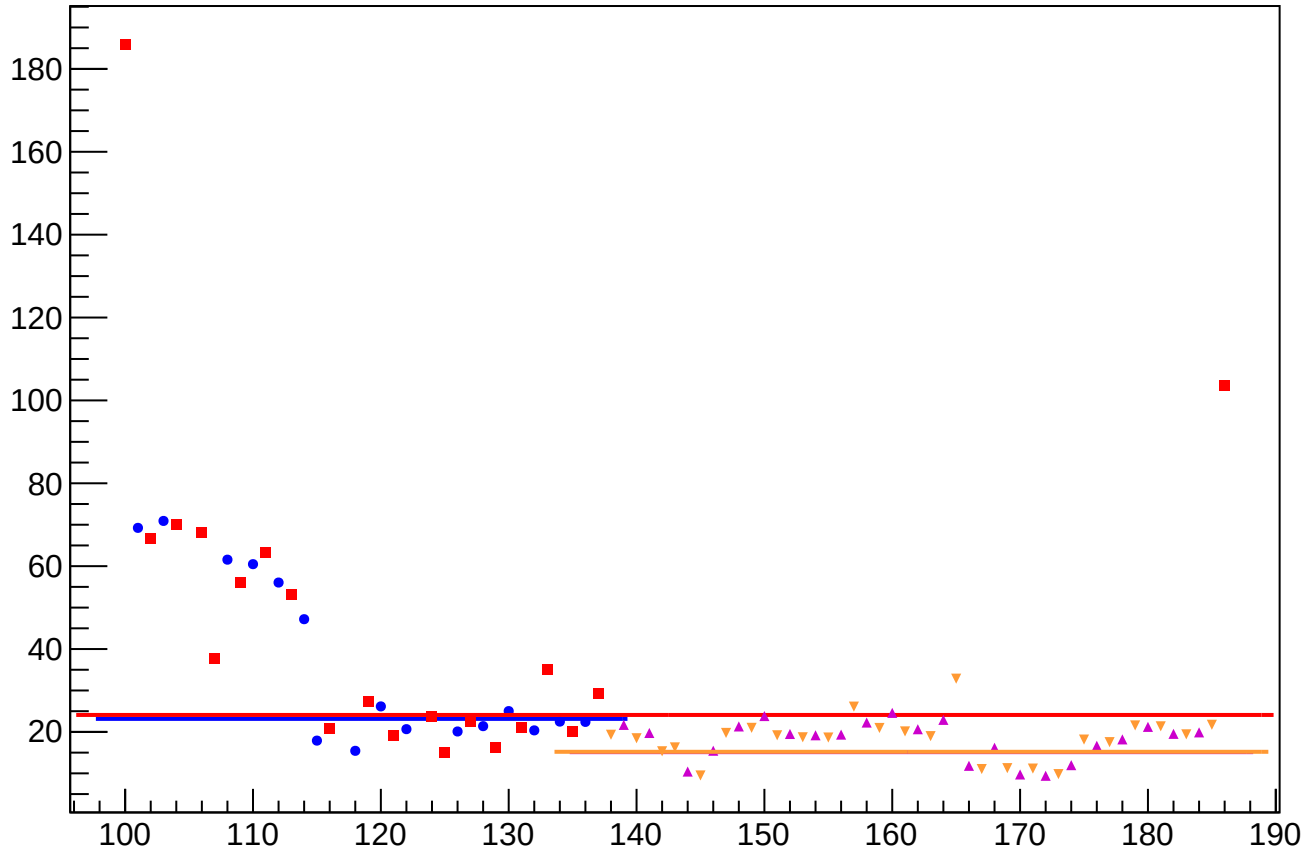
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/19

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 37.4/40

All: -0.002+/-0.002 χ^2/NDF: 86.1/83

- sign -0.003+/-0.004 χ^2/NDF: 48.6/42



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

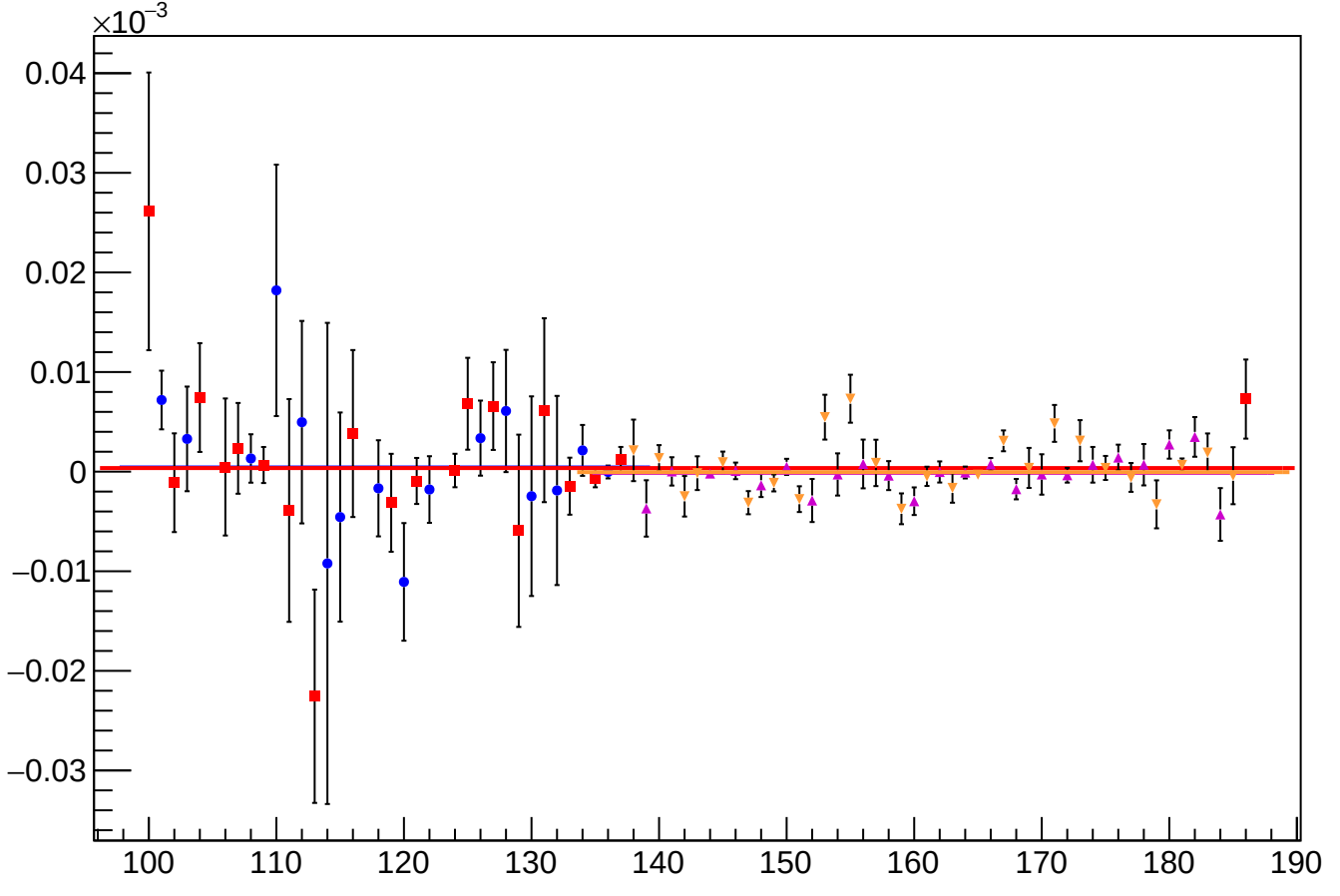
Right Out: 24.094+/-0.007 χ^2/NDF: 3322595.1/19

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.187+/-0.002 χ^2/NDF: 6988486.0/40

All: 16.219+/-0.002 χ^2/NDF: 15107533.5/83

- sign 16.252+/-0.003 χ^2/NDF: 8118701.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

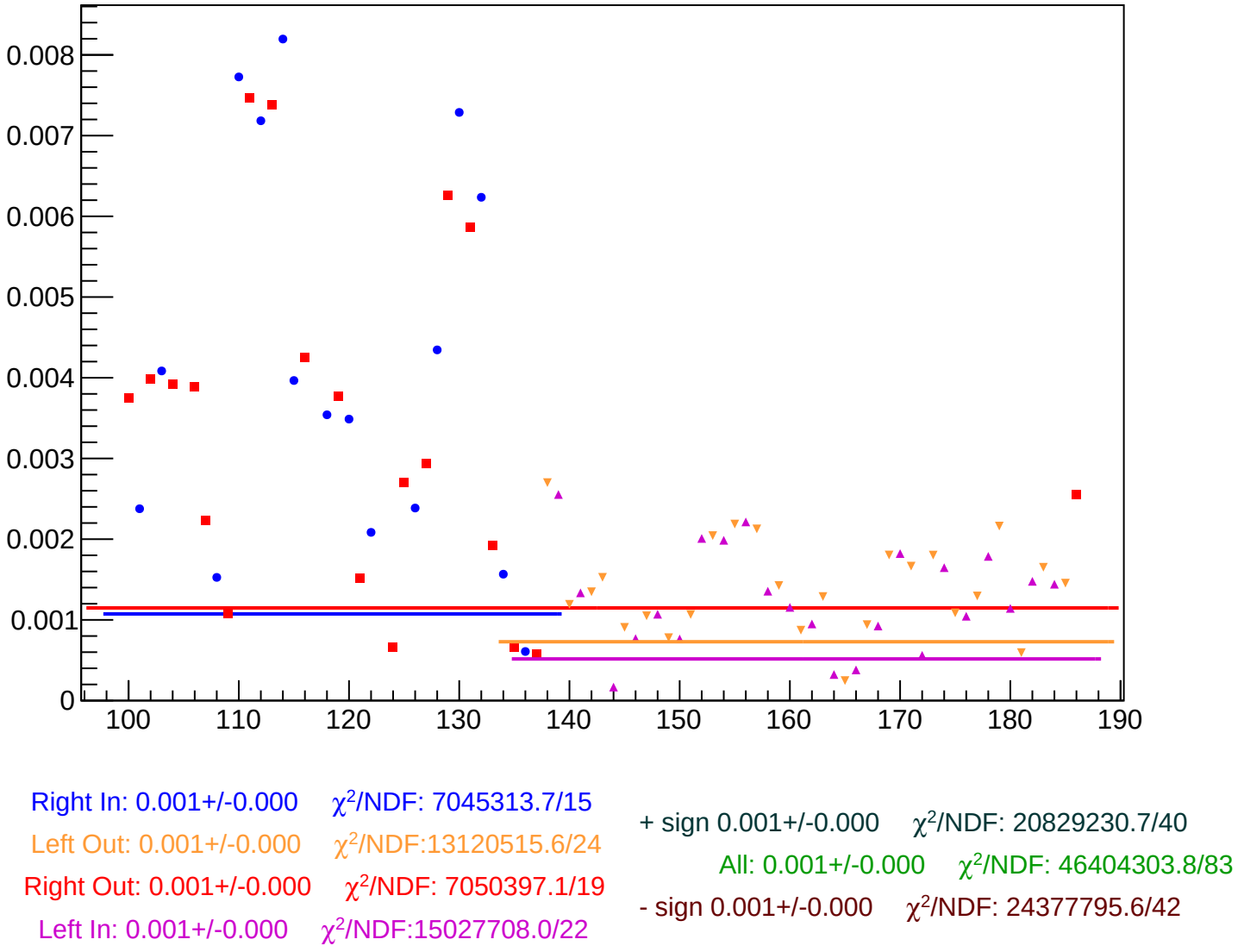
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/19

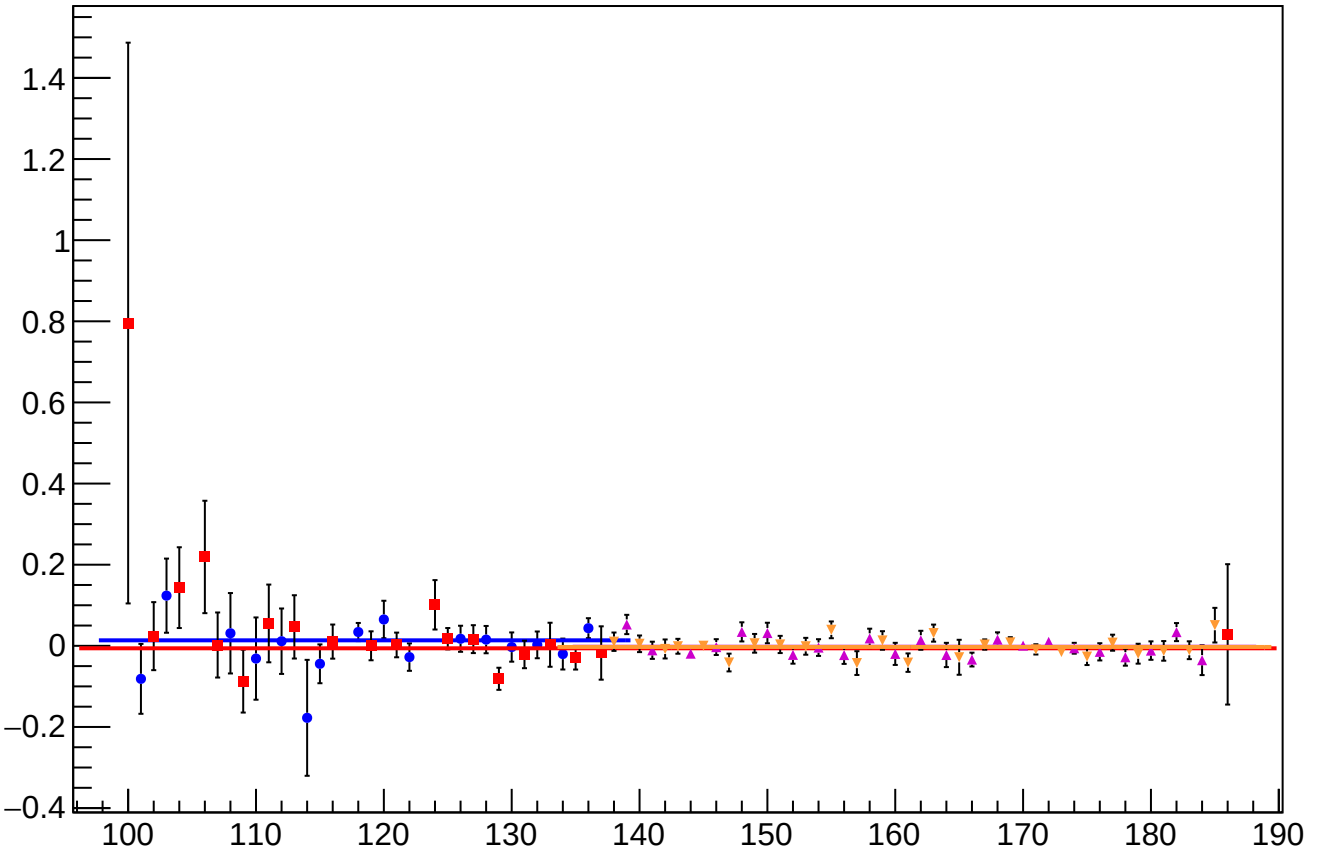
Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.7/40

All: -0.000+/-0.000 χ^2/NDF: 125.9/83

- sign -0.000+/-0.000 χ^2/NDF: 47.1/42


asym_sam_37_26_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: 7045313.7/15
Left Out: 0.001+/-0.000 χ²/NDF:13120515.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 7050397.1/19
Left In: 0.001+/-0.000 χ²/NDF:15027708.0/22
+ sign 0.001+/-0.000 χ²/NDF: 20829230.7/40
All: 0.001+/-0.000 χ²/NDF: 46404303.8/83
- sign 0.001+/-0.000 χ²/NDF: 24377795.6/42



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

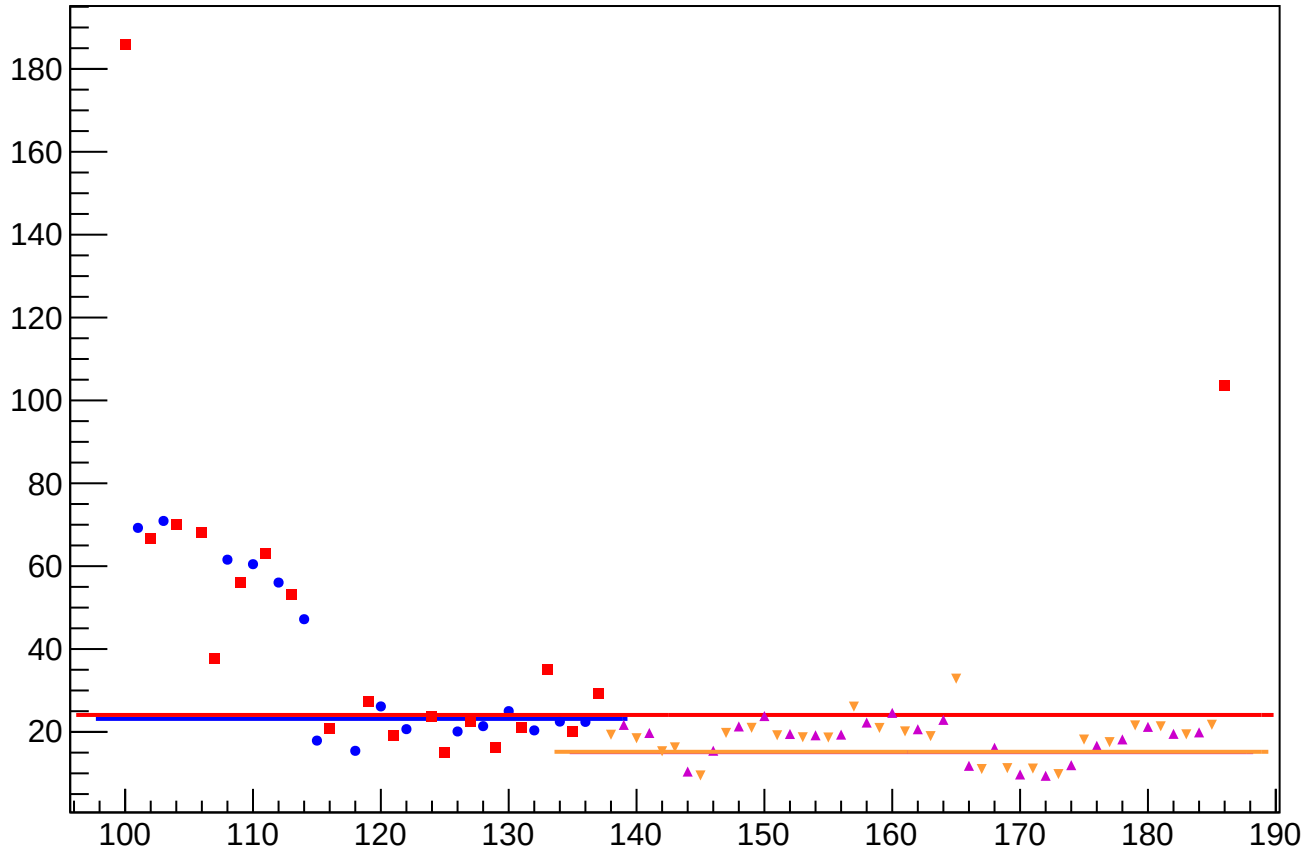
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/19

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 37.4/40

All: -0.002+/-0.002 χ^2/NDF: 86.1/83

- sign -0.003+/-0.004 χ^2/NDF: 48.6/42



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

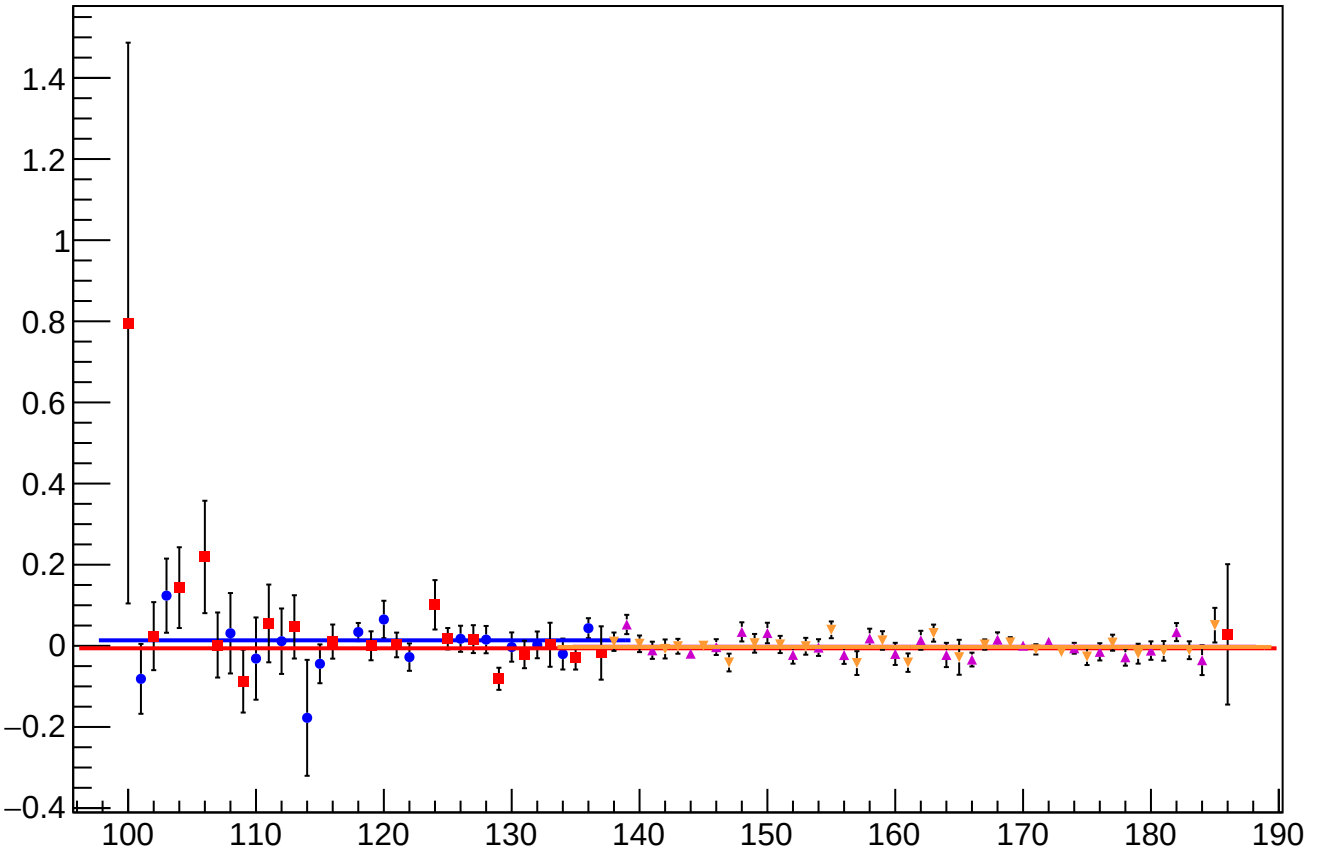
Right Out: 24.093+/-0.007 χ^2/NDF: 3322550.5/19

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.187+/-0.002 χ^2/NDF: 6988325.2/40

All: 16.219+/-0.002 χ^2/NDF: 15107205.3/83

- sign 16.253+/-0.003 χ^2/NDF: 8118533.0/42



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

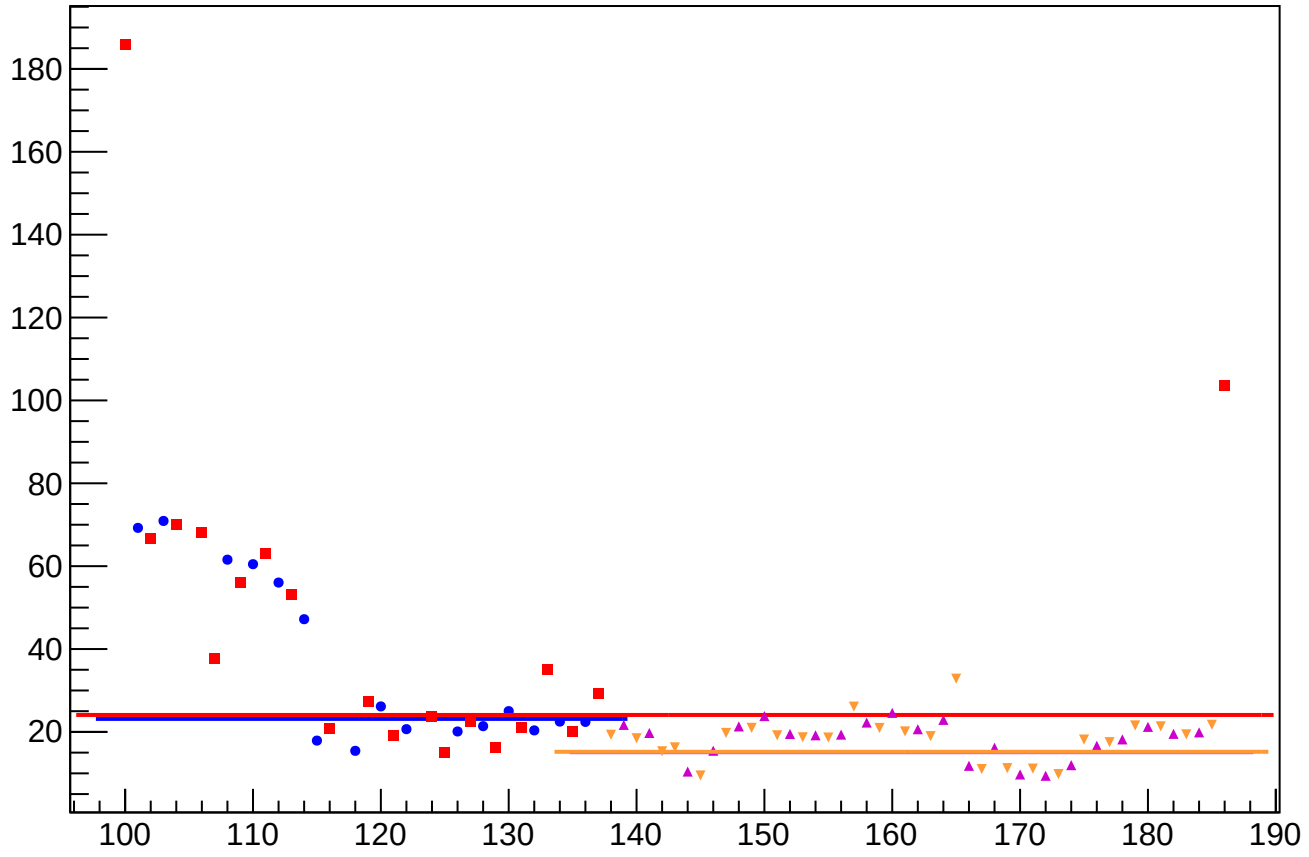
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/19

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 37.4/40

All: -0.002+/-0.002 χ^2/NDF: 86.1/83

- sign -0.003+/-0.004 χ^2/NDF: 48.6/42



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

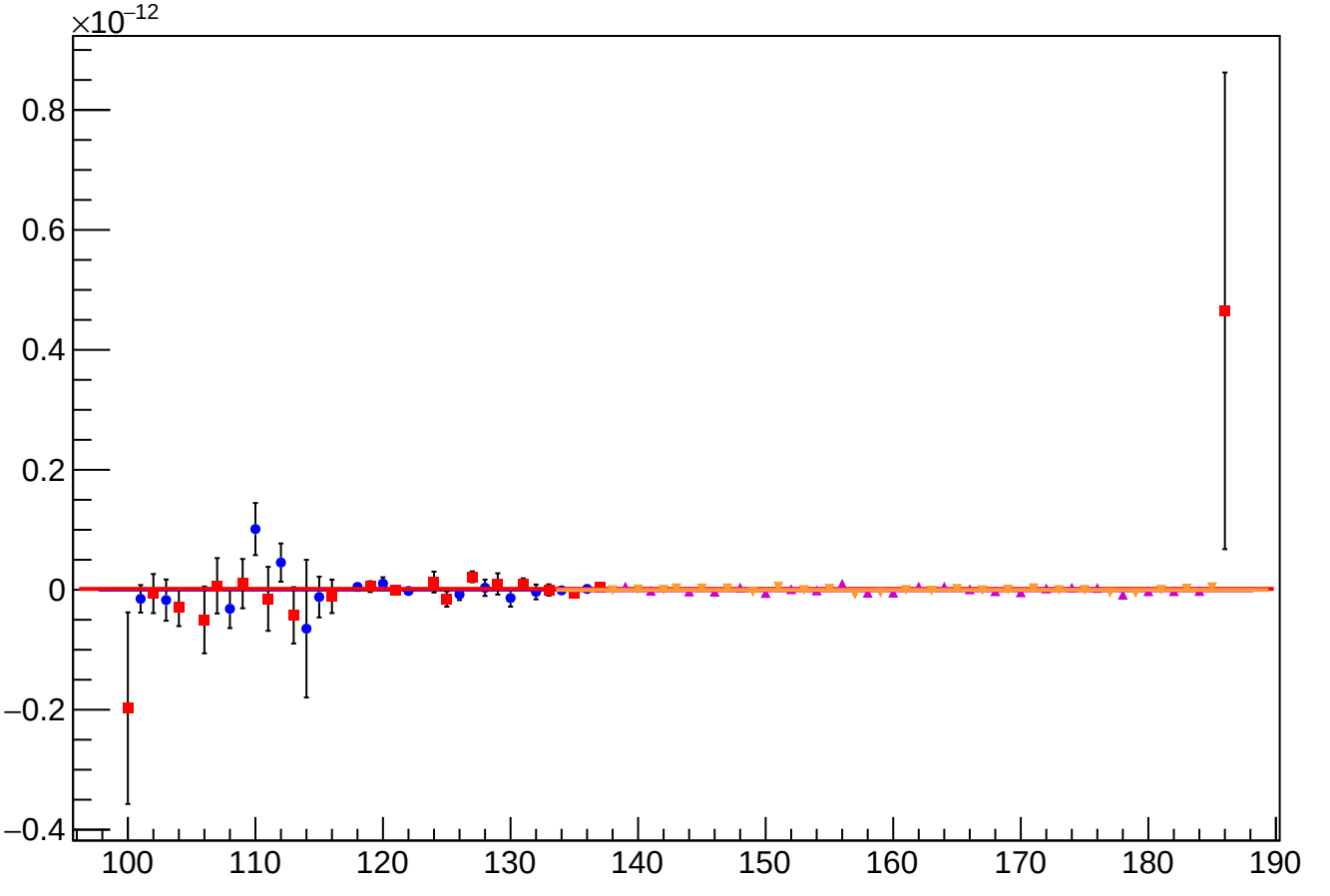
Right Out: 24.093+/-0.007 χ^2/NDF: 3322550.5/19

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.187+/-0.002 χ^2/NDF: 6988325.2/40

All: 16.219+/-0.002 χ^2/NDF: 15107205.3/83

- sign 16.253+/-0.003 χ^2/NDF: 8118533.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

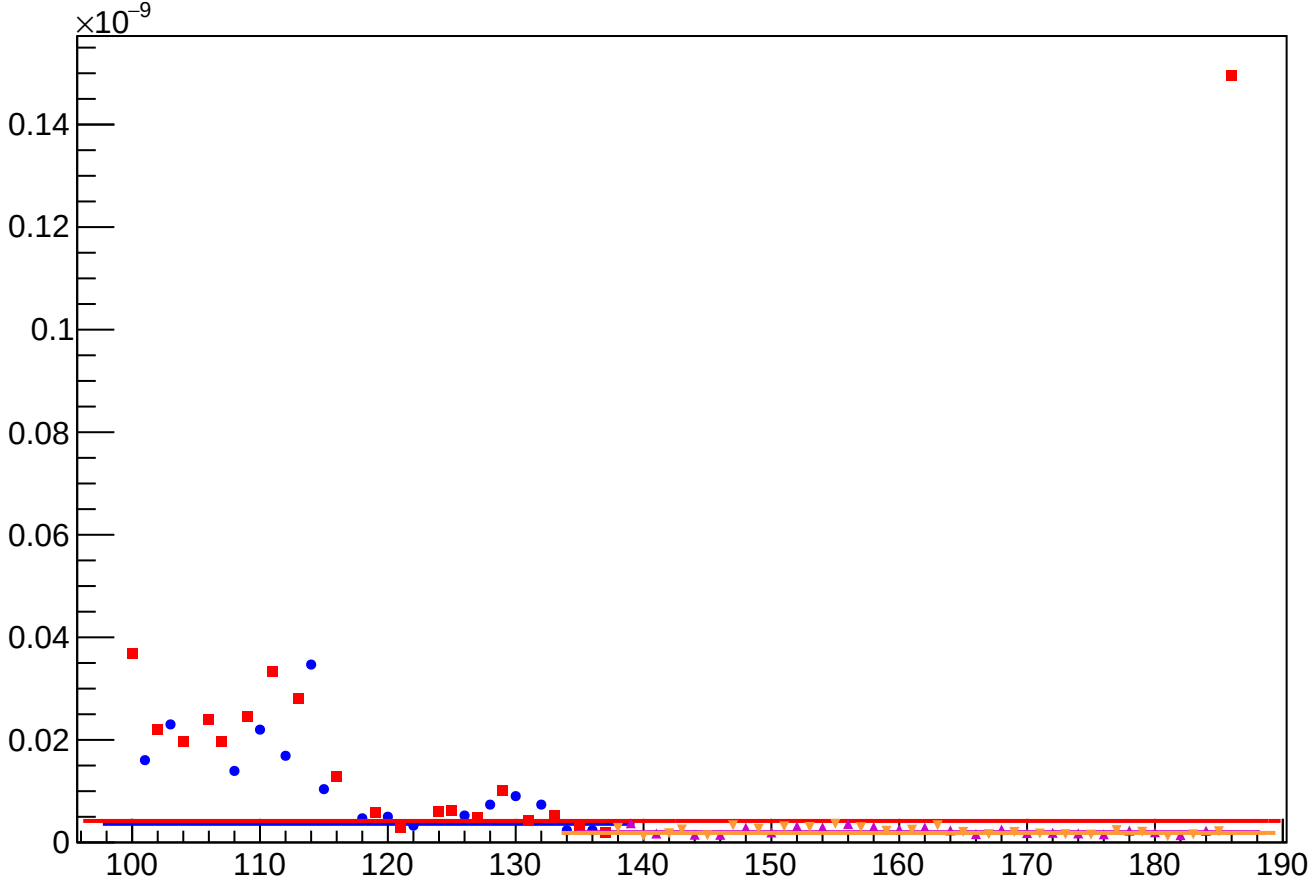
Right Out: 0.000+/-0.000 χ^2/NDF: 16.9/19

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.4/40

All: -0.000+/-0.000 χ^2/NDF: 92.2/83

- sign -0.000+/-0.000 χ^2/NDF: 57.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4722474.4/19

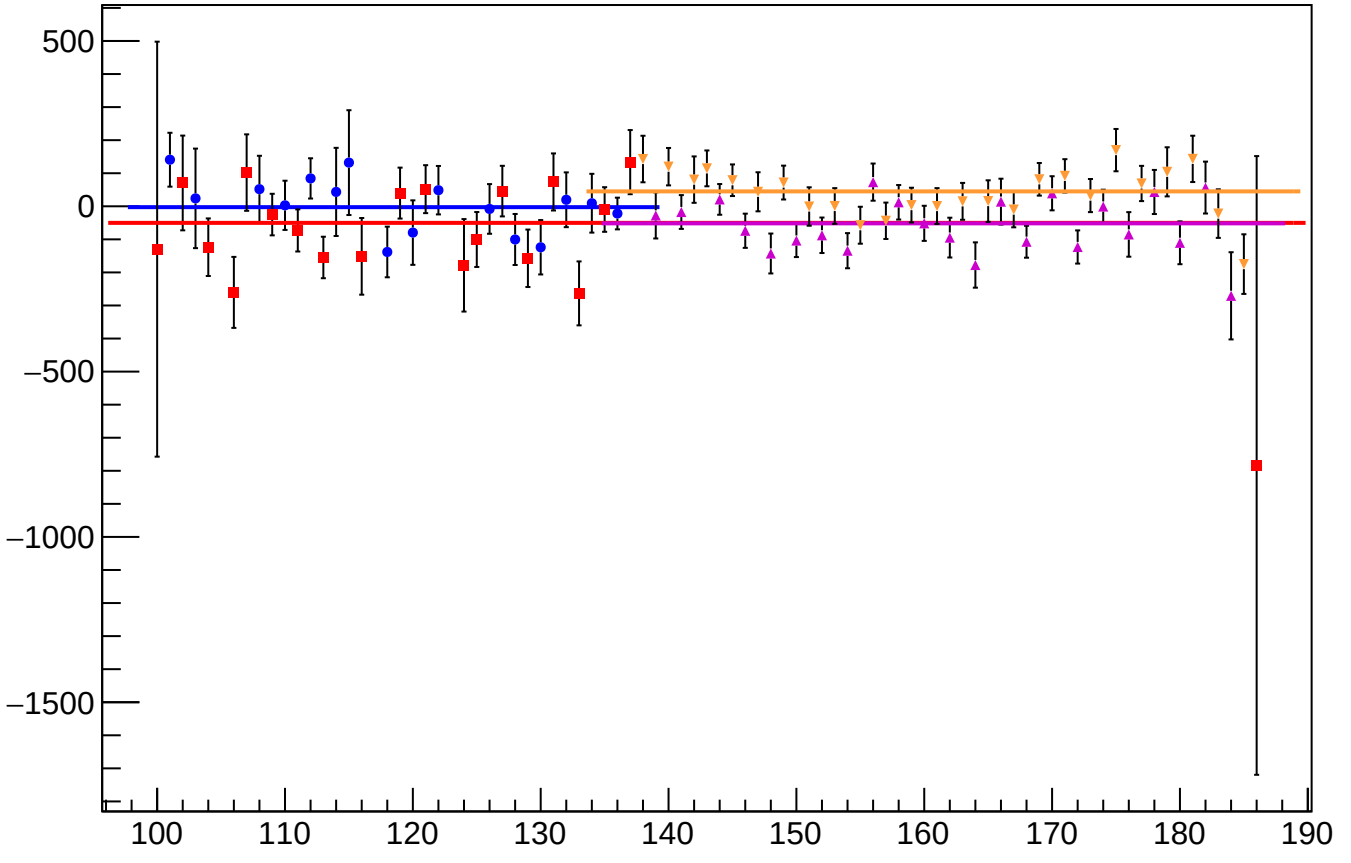
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7632114.2/40

All: 0.000+/-0.000 χ^2/NDF: 16020558.0/83

- sign 0.000+/-0.000 χ^2/NDF: 8303677.3/42

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -50.132+/-19.617 χ^2/NDF: 30.0/19

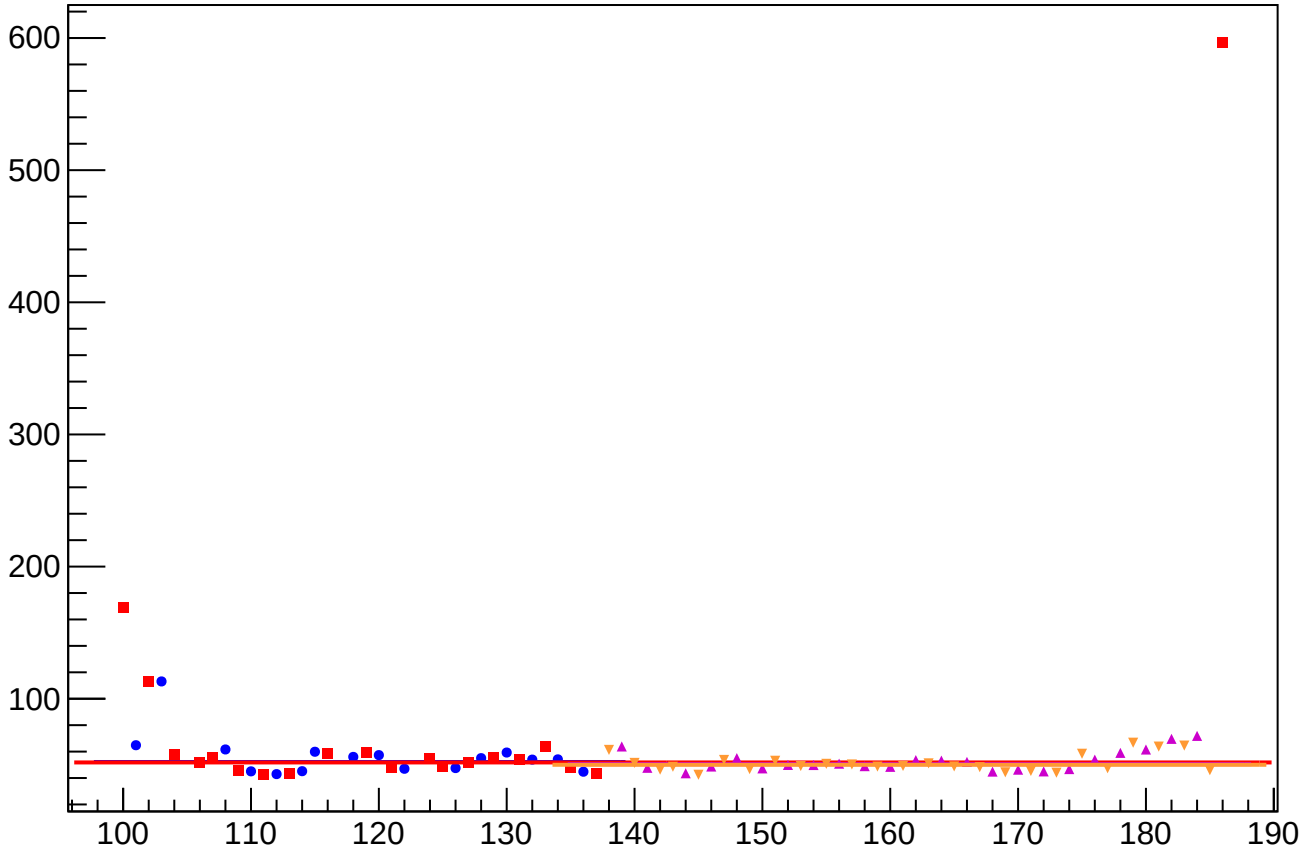
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 33.242+/-9.965 χ^2/NDF: 50.2/40

All: -8.035+/-7.125 χ^2/NDF: 151.1/83

- sign -51.215+/-10.192 χ^2/NDF: 65.8/42

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 51.789+/-0.014 χ^2/NDF: 1317908.0/19

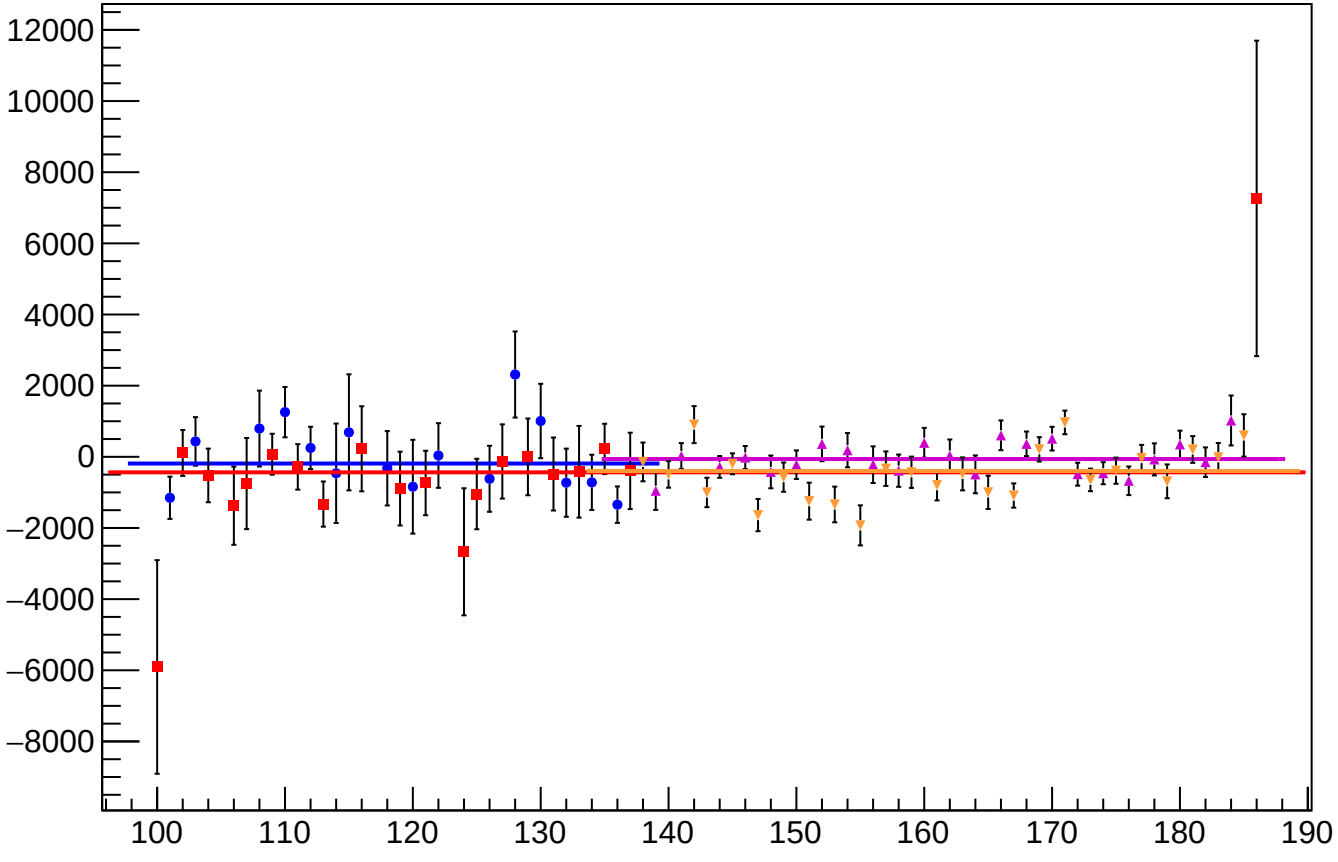
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.545+/-0.007 χ^2/NDF: 1088716.5/40

All: 50.697+/-0.005 χ^2/NDF: 2917184.4/83

- sign 50.857+/-0.007 χ^2/NDF: 1827507.4/42

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -436.255+/-203.702 χ^2/NDF: 14.3/19

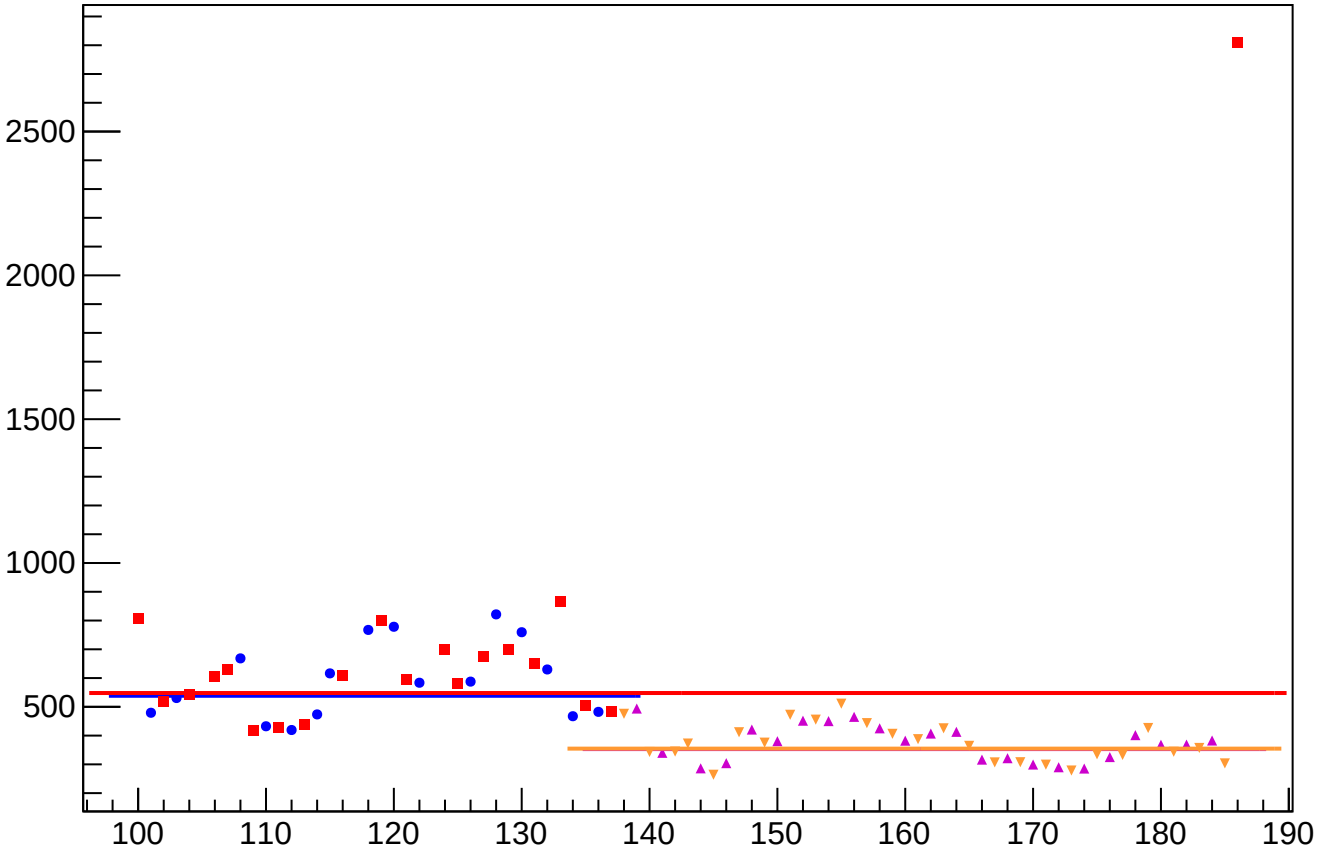
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -370.446+/-76.227 χ^2/NDF: 87.7/40

All: -245.596+/-54.370 χ^2/NDF: 134.3/83

- sign -116.305+/-77.571 χ^2/NDF: 41.1/42

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 548.024+/-0.144 χ^2/NDF: 1158386.0/19

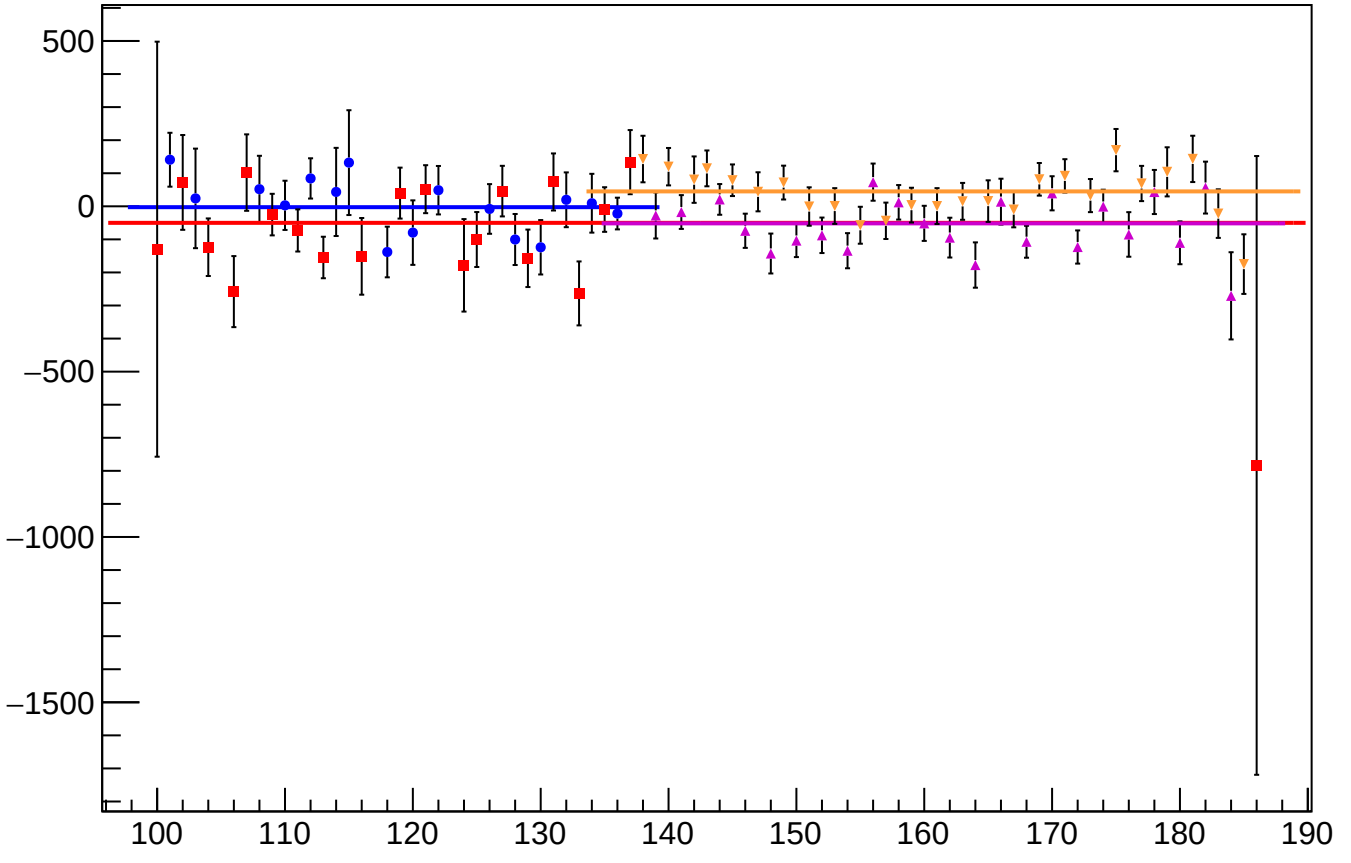
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 379.883+/-0.054 χ^2/NDF: 3135703.6/40

All: 380.616+/-0.038 χ^2/NDF: 6864208.0/83

- sign 381.375+/-0.055 χ^2/NDF: 3728127.8/42

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -50.016+/-19.617 χ^2/NDF: 29.9/19

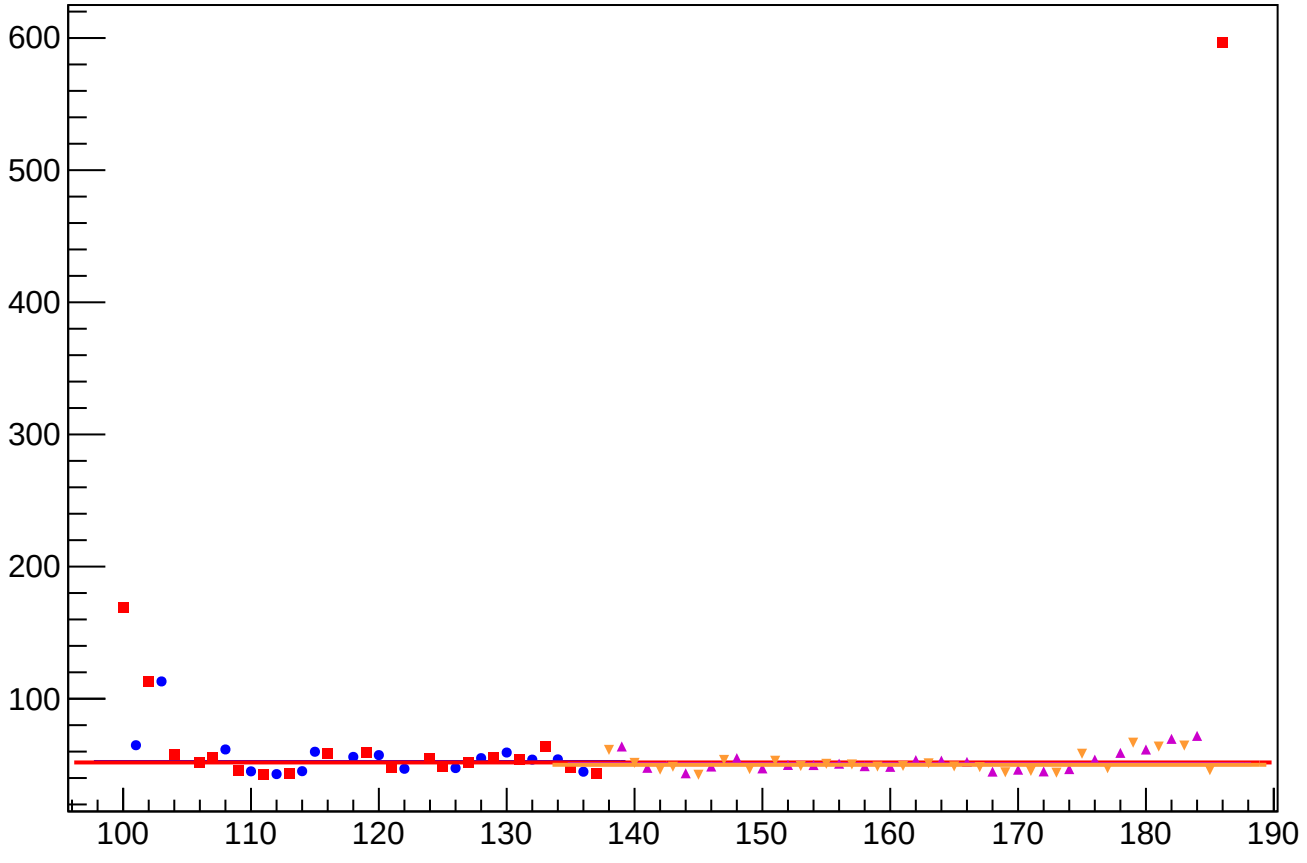
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 33.244+/-9.965 χ^2/NDF: 50.2/40

All: -8.019+/-7.125 χ^2/NDF: 151.0/83

- sign -51.184+/-10.192 χ^2/NDF: 65.7/42

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 51.779+/-0.014 χ^2/NDF: 1318153.4/19

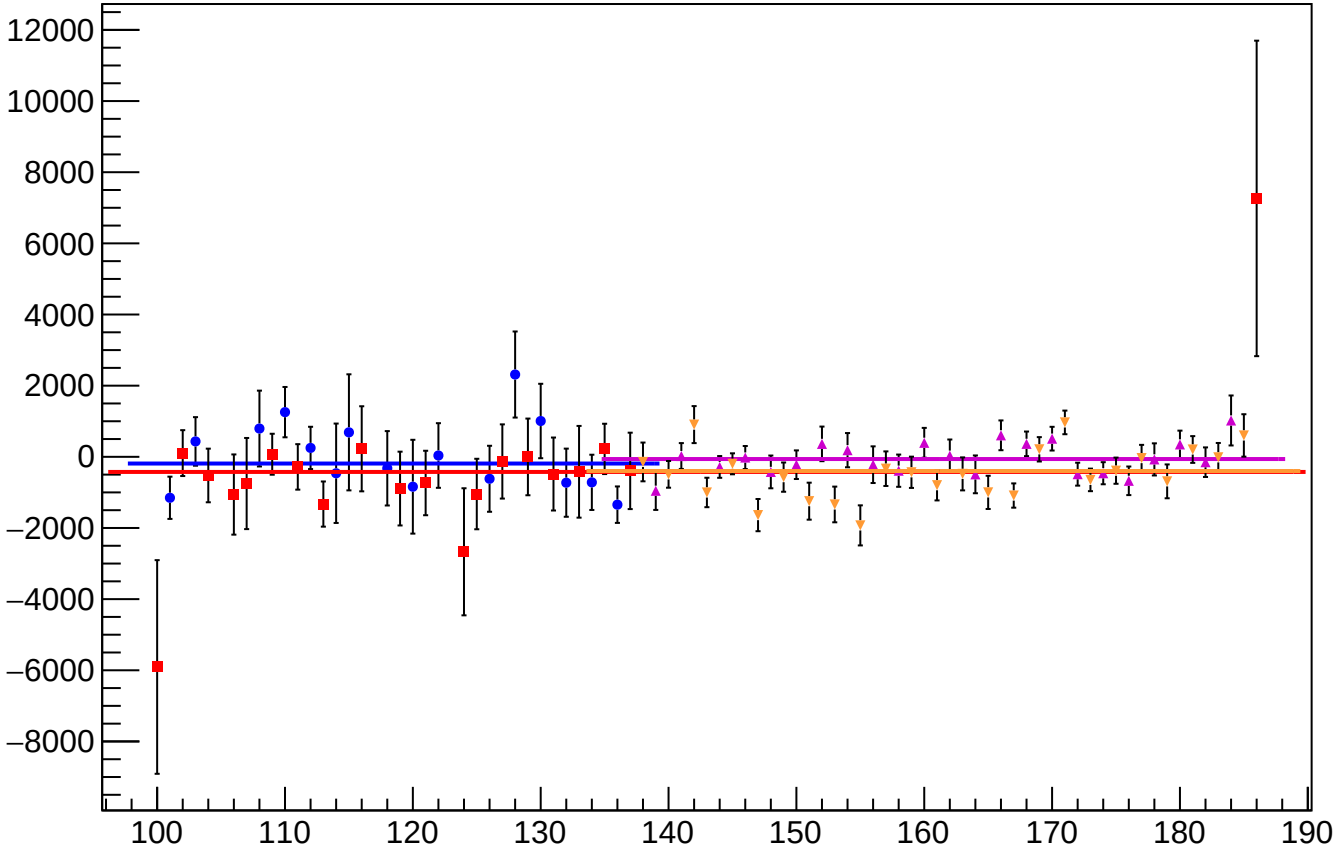
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.545+/-0.007 χ^2/NDF: 1088718.8/40

All: 50.696+/-0.005 χ^2/NDF: 2917315.5/83

- sign 50.854+/-0.007 χ^2/NDF: 1827653.3/42

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -424.879+/-203.895 χ^2/NDF: 13.9/19

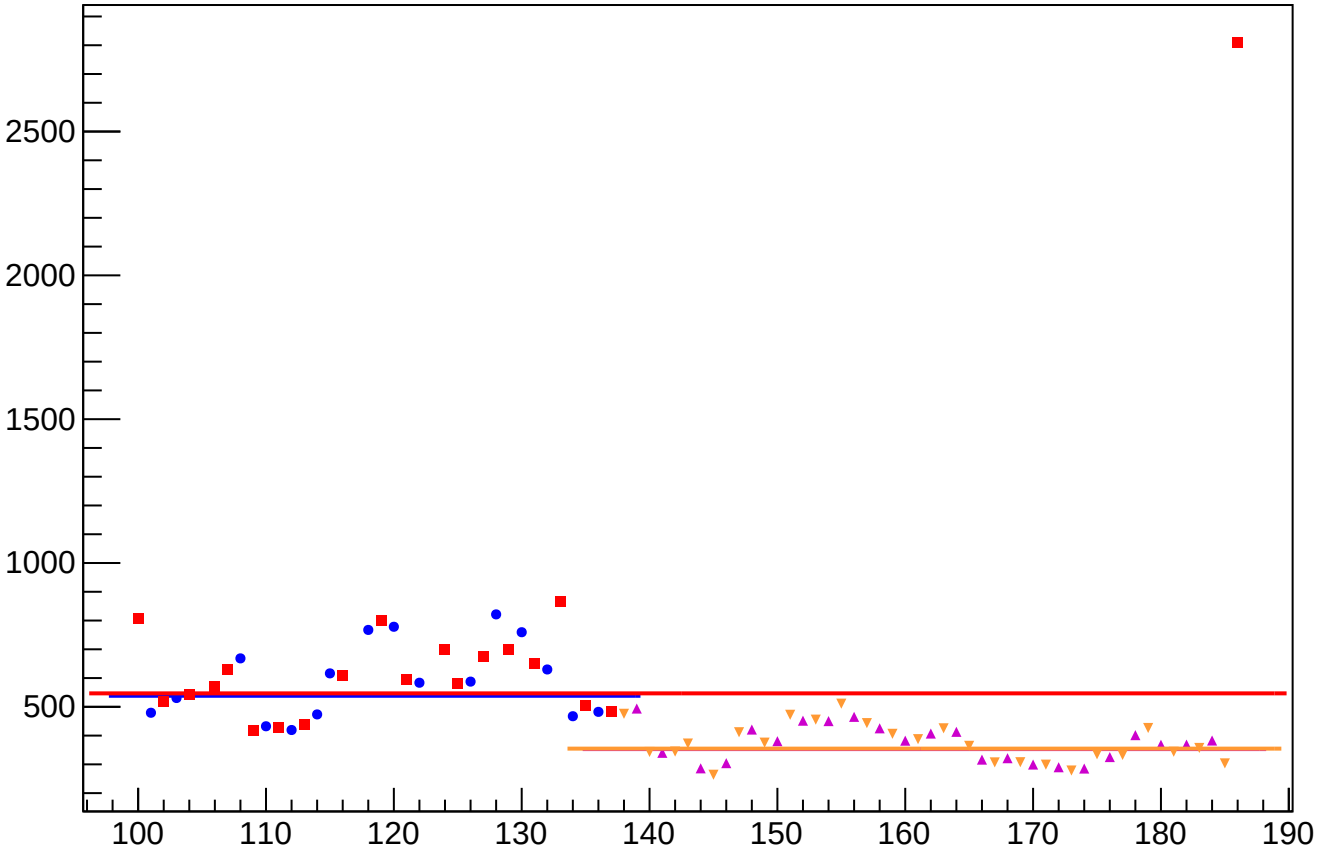
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -370.439+/-76.227 χ^2/NDF: 87.7/40

All: -244.758+/-54.374 χ^2/NDF: 133.7/83

- sign -114.570+/-77.582 χ^2/NDF: 40.5/42

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 546.820+/-0.144 χ^2/NDF: 1153387.7/19

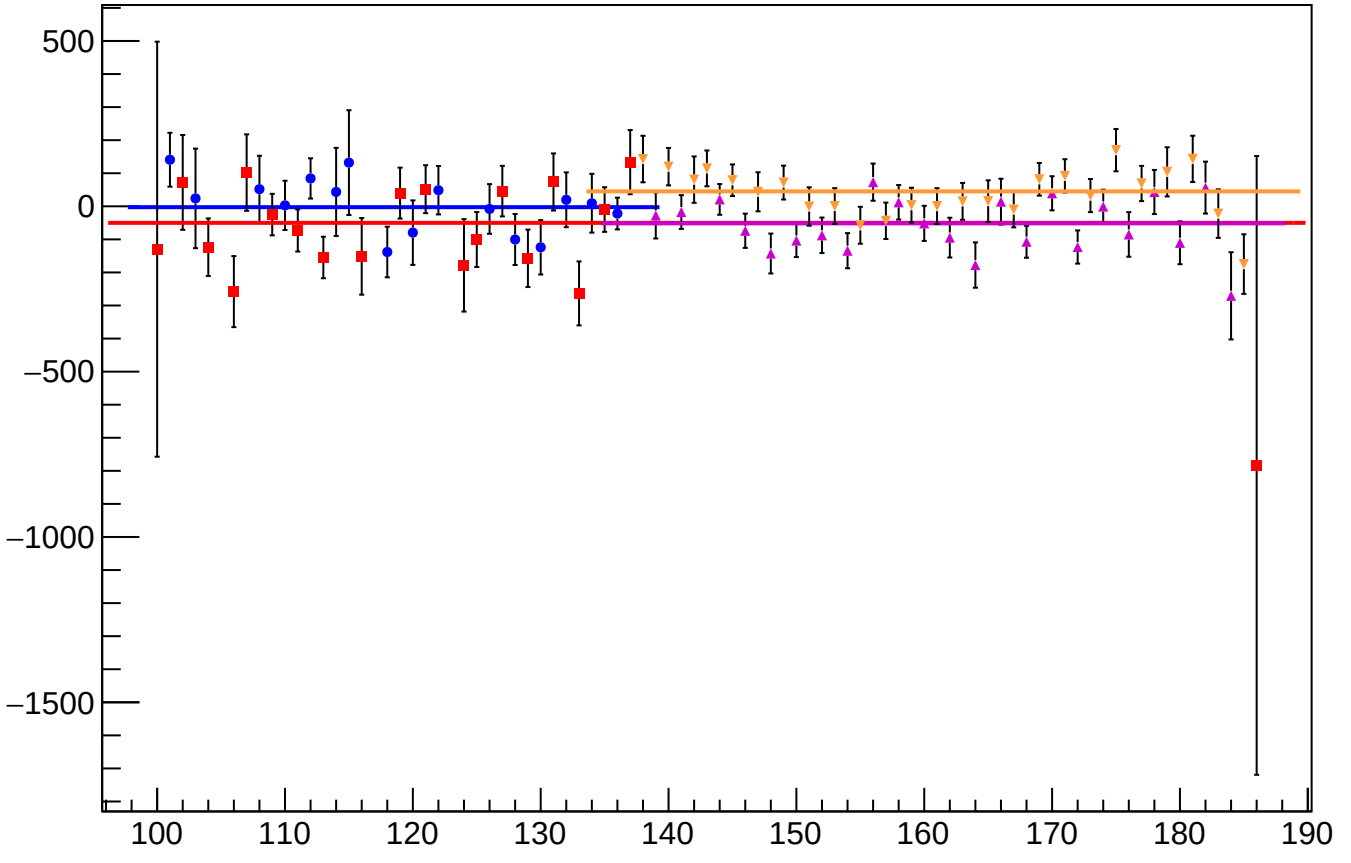
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 379.883+/-0.054 χ^2/NDF: 3135760.5/40

All: 380.508+/-0.038 χ^2/NDF: 6837374.1/83

- sign 381.155+/-0.055 χ^2/NDF: 3701339.9/42

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -50.016+/-19.617 χ^2/NDF: 29.9/19

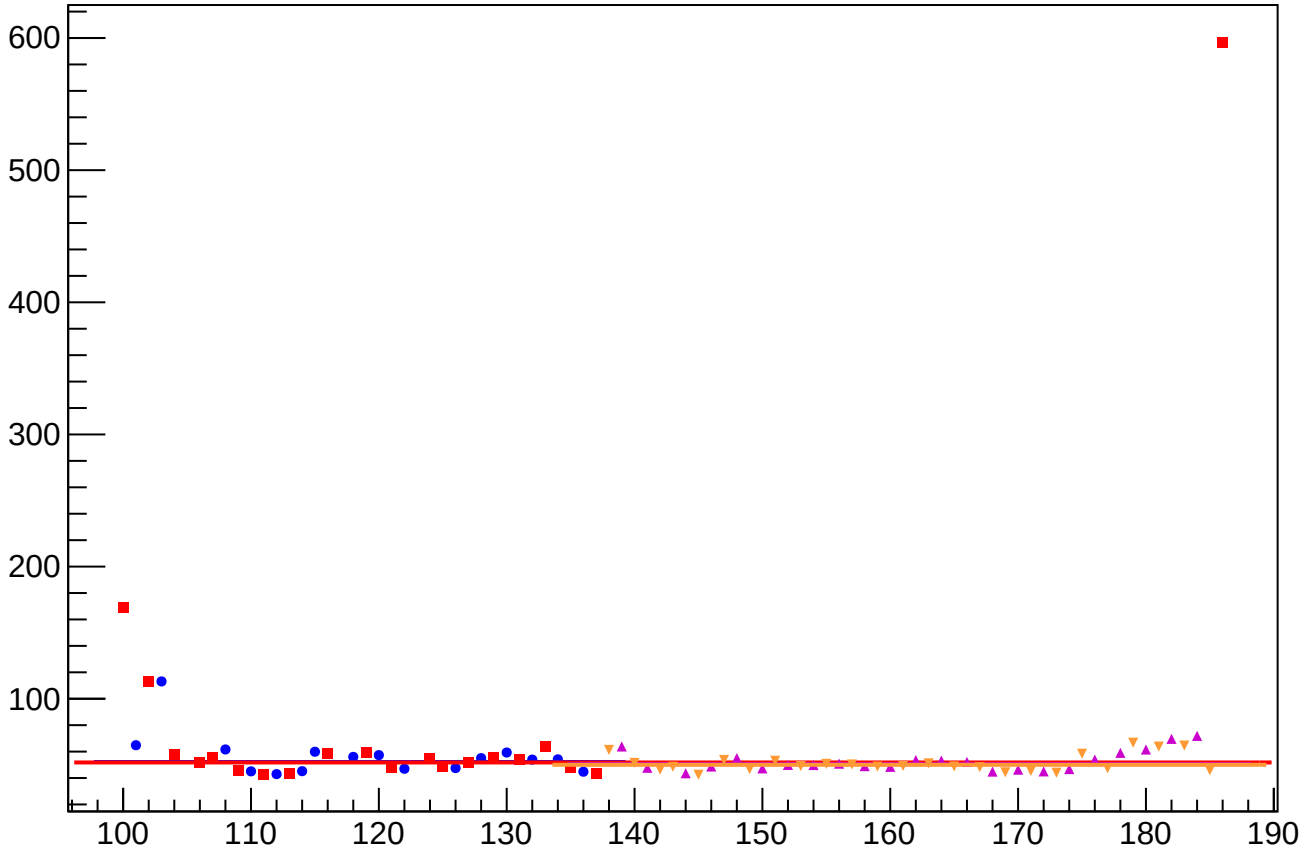
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 33.244+/-9.965 χ^2/NDF: 50.2/40

All: -8.019+/-7.125 χ^2/NDF: 151.0/83

- sign -51.184+/-10.192 χ^2/NDF: 65.7/42

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

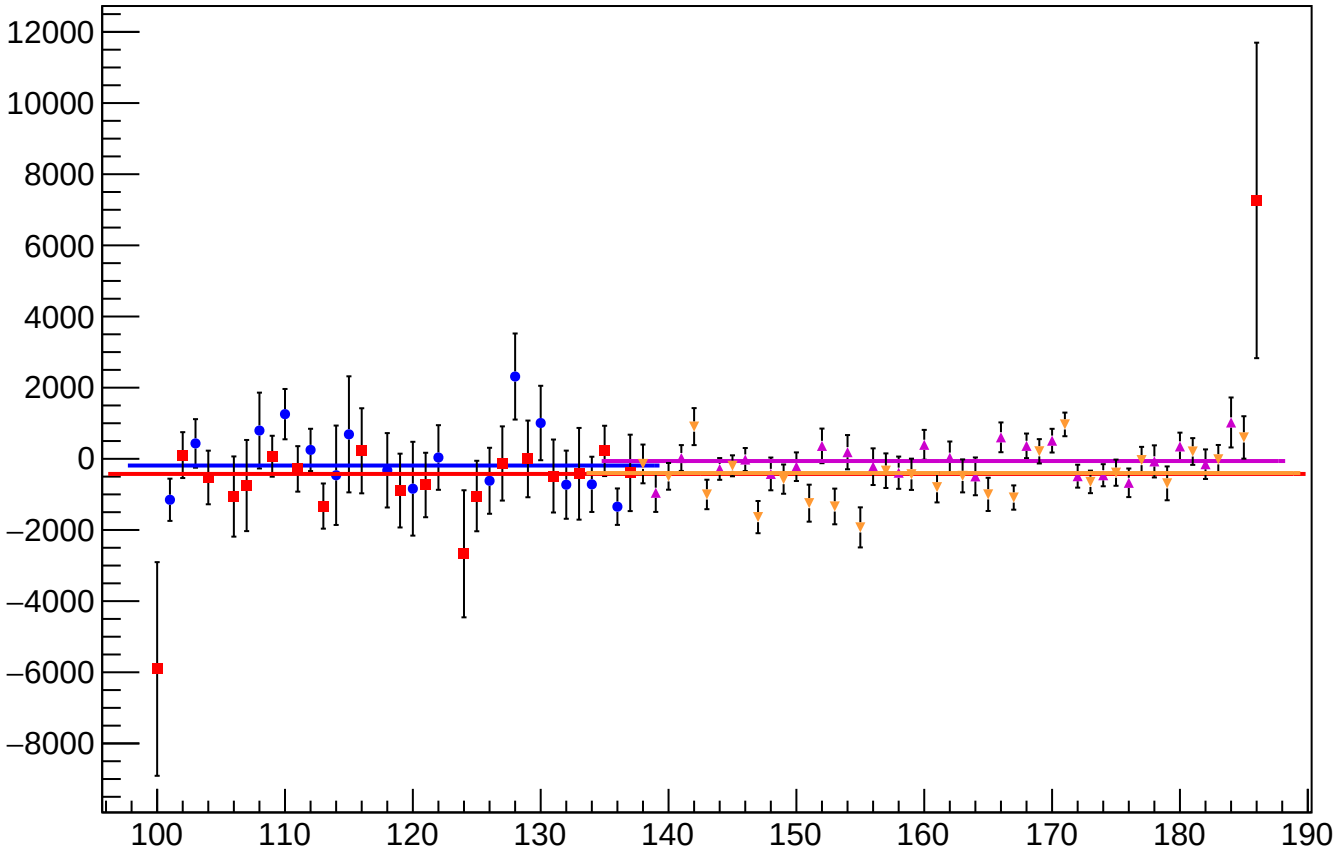
Right Out: 51.779+/-0.014 χ^2/NDF: 1318153.4/19

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.545+/-0.007 χ^2/NDF: 1088718.8/40

All: 50.696+/-0.005 χ^2/NDF: 2917315.5/83

- sign 50.854+/-0.007 χ^2/NDF: 1827653.3/42



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

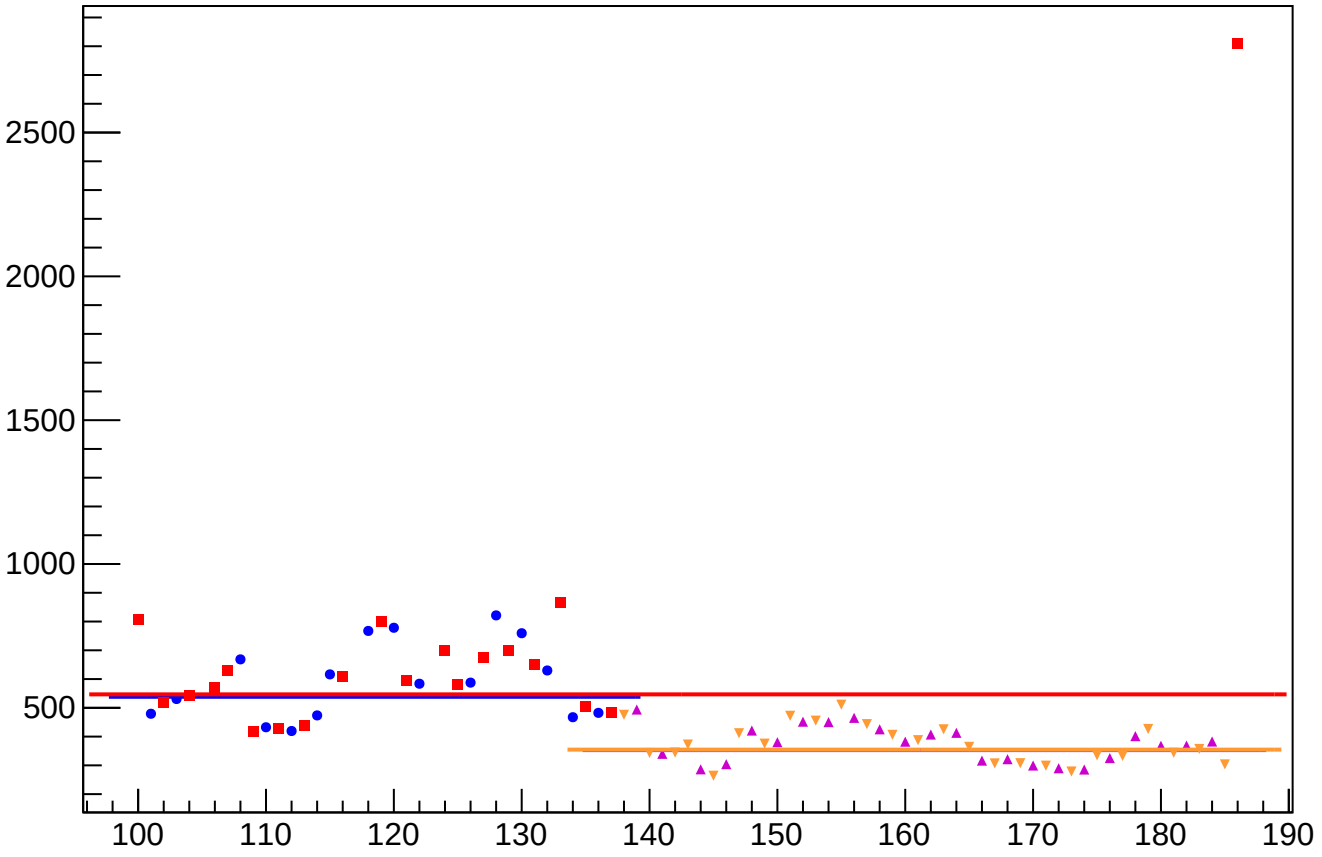
Right Out: -424.879+/-203.895 χ^2/NDF: 13.9/19

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -370.439+/-76.227 χ^2/NDF: 87.7/40

All: -244.758+/-54.374 χ^2/NDF: 133.7/83

- sign -114.570+/-77.582 χ^2/NDF: 40.5/42



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 546.820+/-0.144 χ^2/NDF: 1153387.7/19

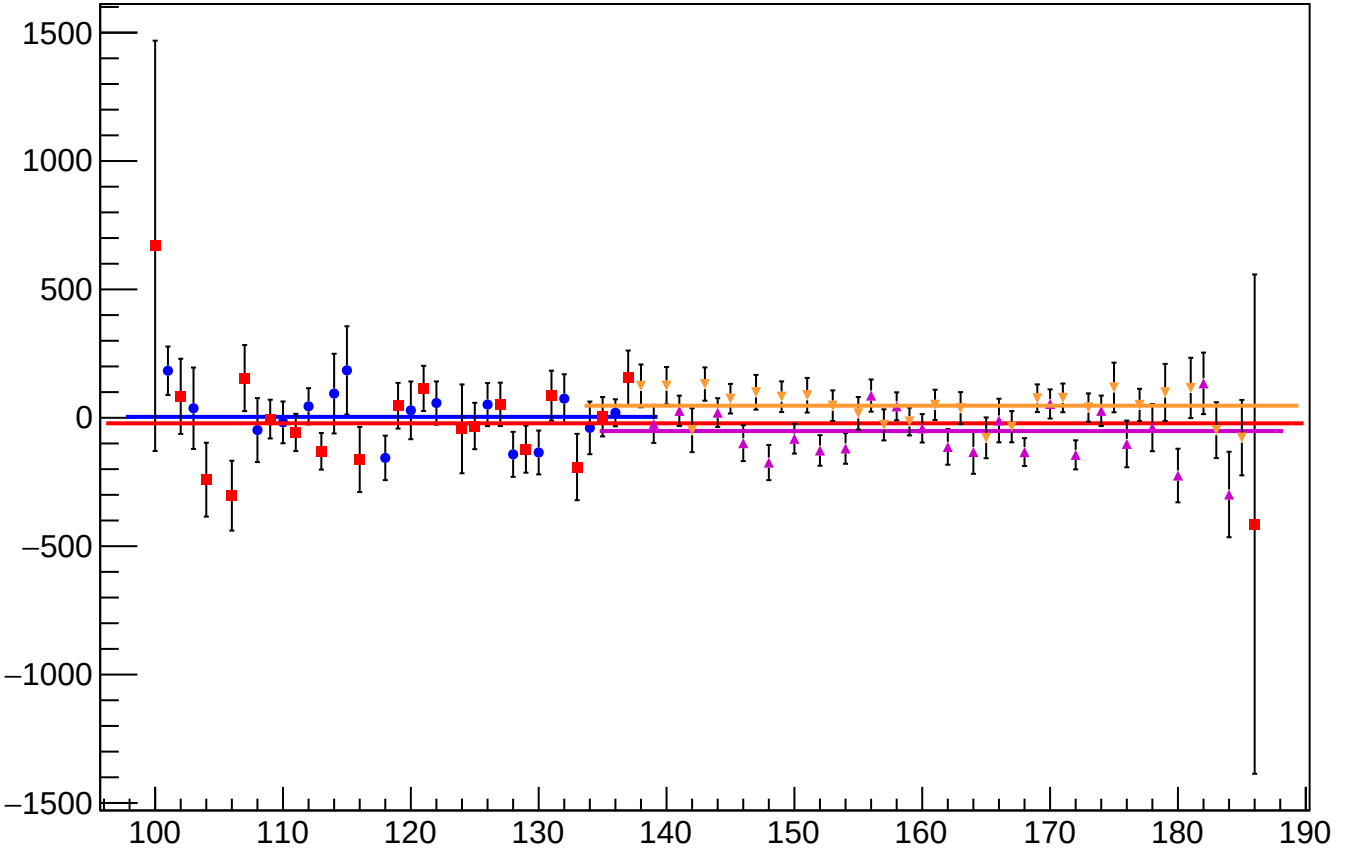
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 379.883+/-0.054 χ^2/NDF: 3135760.5/40

All: 380.508+/-0.038 χ^2/NDF: 6837374.1/83

- sign 381.155+/-0.055 χ^2/NDF: 3701339.9/42

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -21.468+/-22.762 χ^2/NDF: 24.6/19

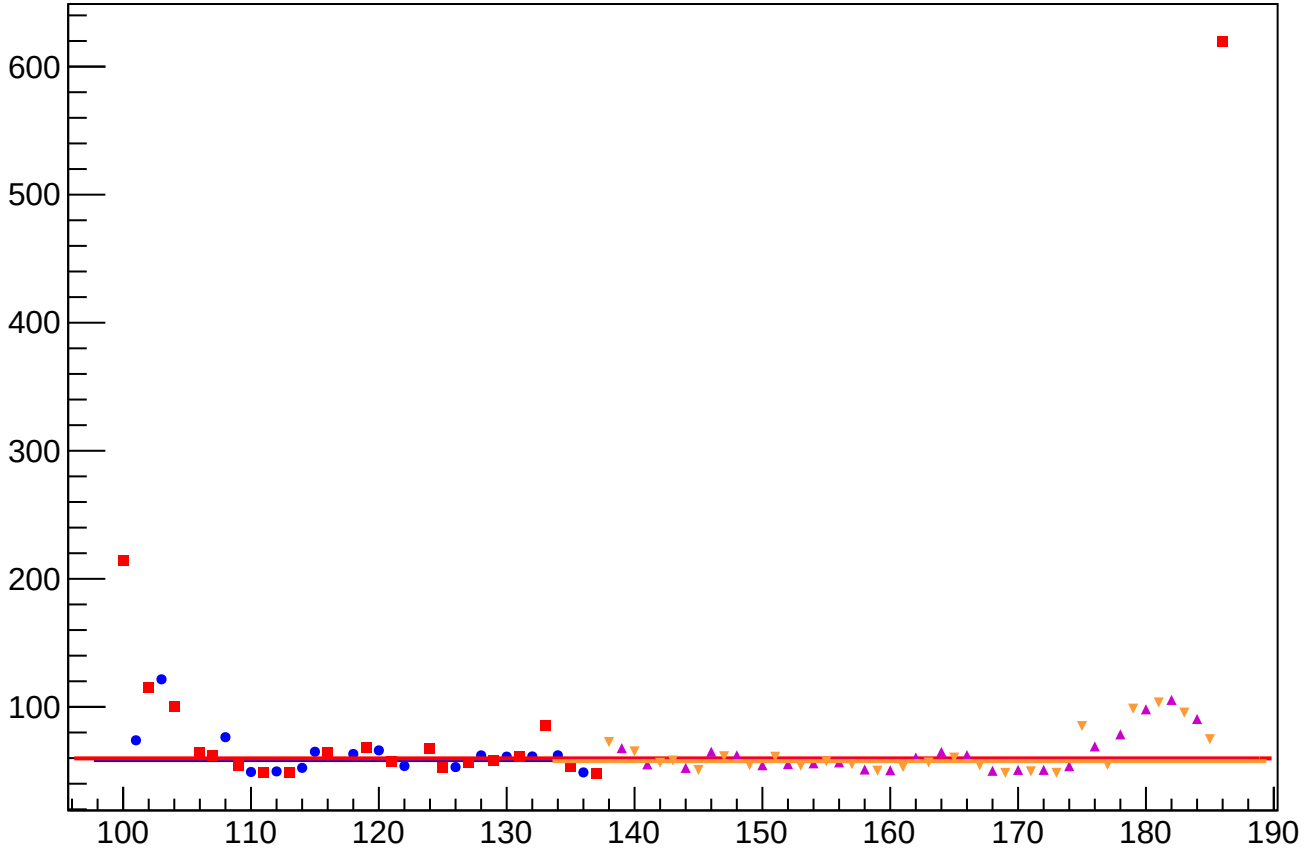
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 35.593+/-11.581 χ^2/NDF: 35.9/40

All: -2.895+/-8.294 χ^2/NDF: 122.6/83

- sign -43.425+/-11.884 χ^2/NDF: 64.1/42

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 59.791+/-0.016 χ^2/NDF: 1448066.9/19

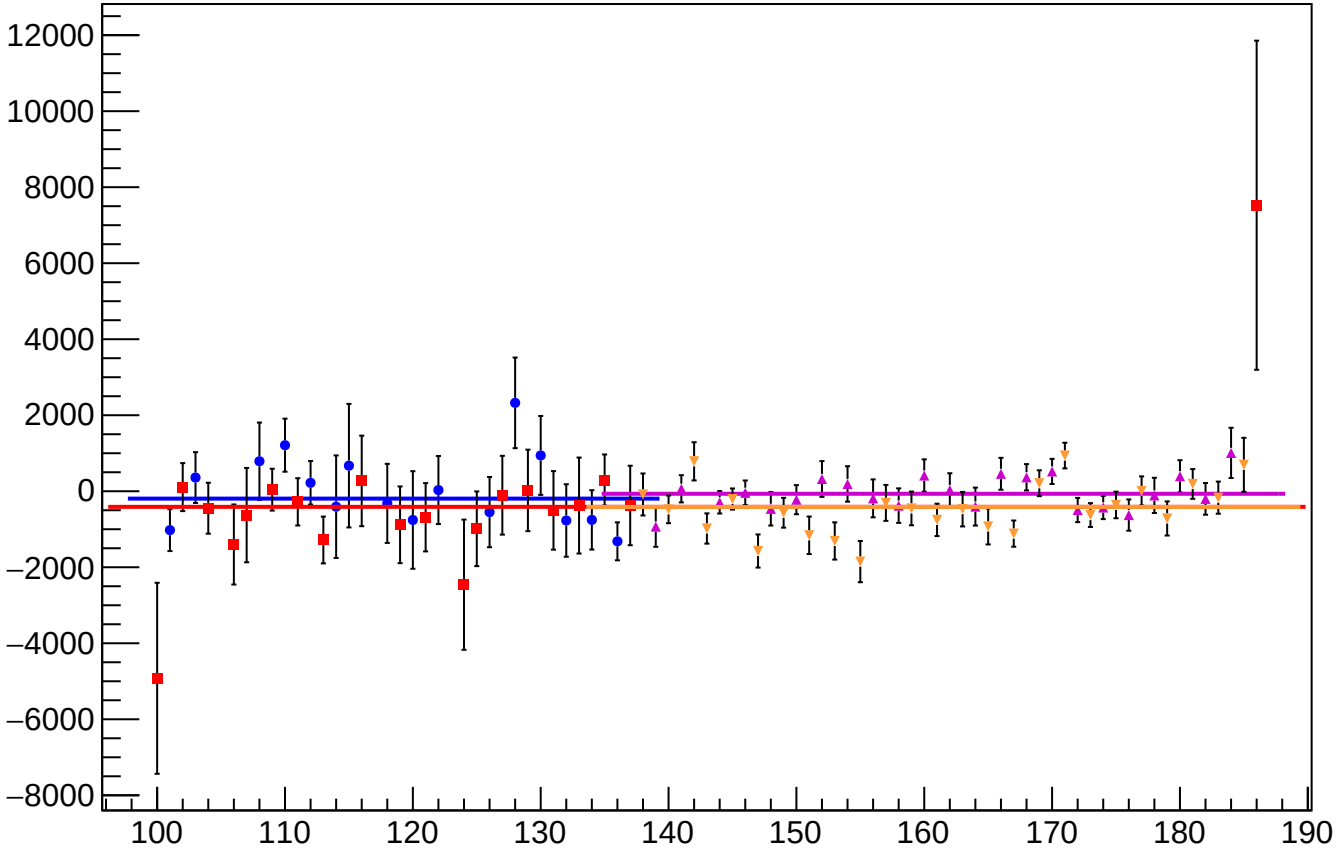
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 57.852+/-0.008 χ^2/NDF: 1950457.5/40

All: 58.141+/-0.006 χ^2/NDF: 4535214.7/83

- sign 58.445+/-0.008 χ^2/NDF: 2582209.7/42

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -410.544+/-196.801 χ^2/NDF: 14.7/19

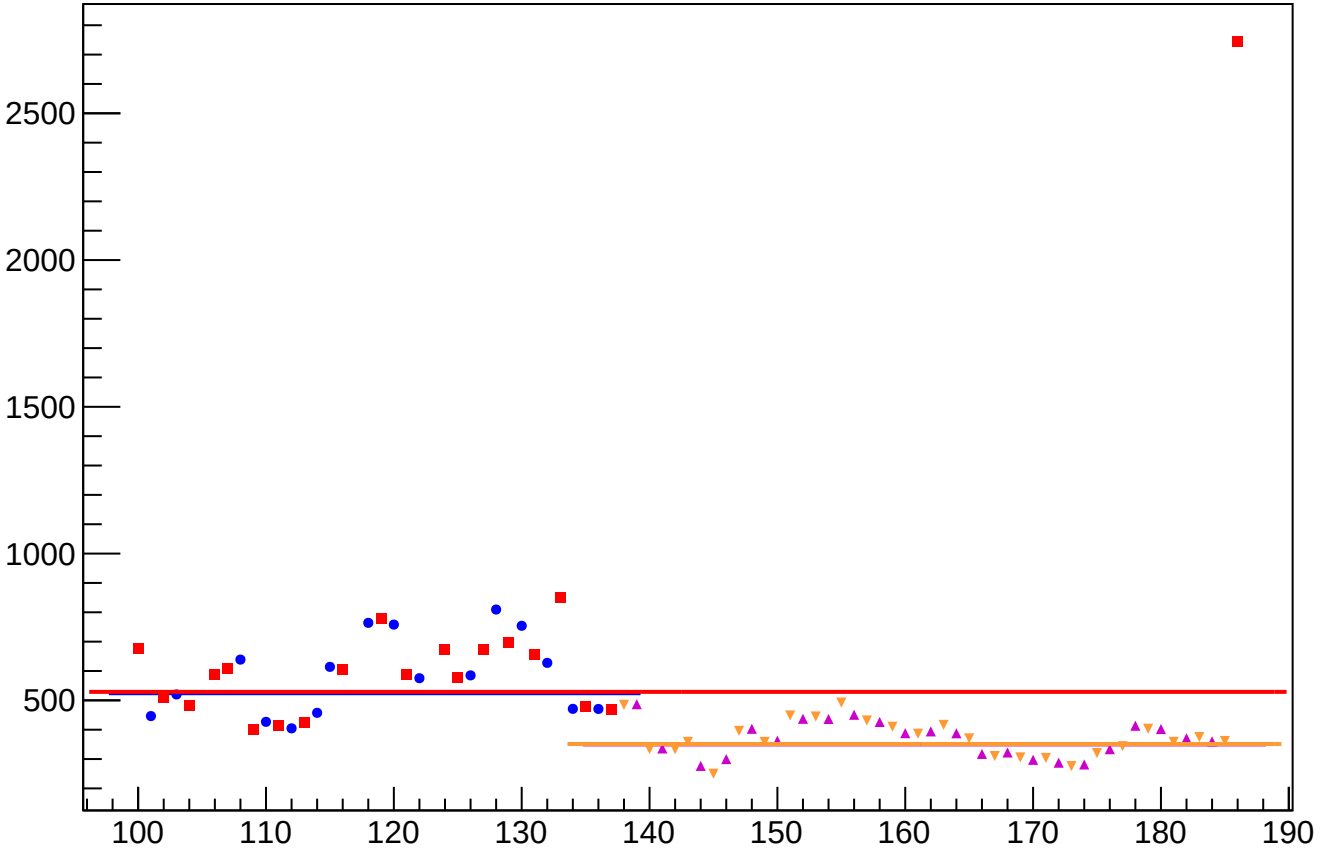
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -382.244+/-75.215 χ^2/NDF: 83.1/40

All: -252.752+/-53.648 χ^2/NDF: 129.3/83

- sign -118.657+/-76.541 χ^2/NDF: 40.2/42

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 528.894+/-0.139 χ^2/NDF: 1210873.7/19

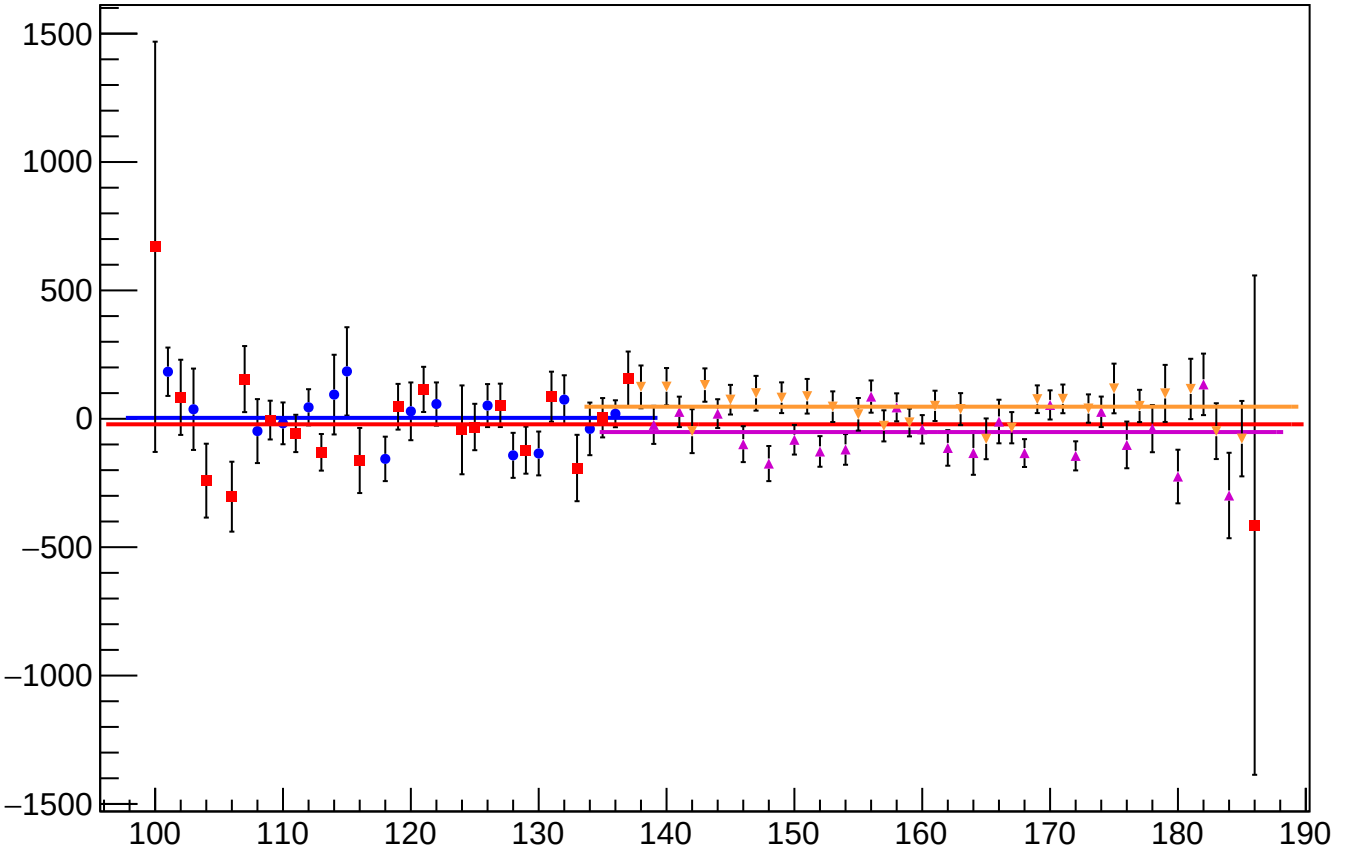
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

\+ sign 375.594+/-0.053 χ^2/NDF: 3056000.1/40

All: 376.236+/-0.038 χ^2/NDF: 6663086.0/83

\- sign 376.901+/-0.054 χ^2/NDF: 3606789.2/42

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -21.467+/-22.762 χ^2/NDF: 24.6/19

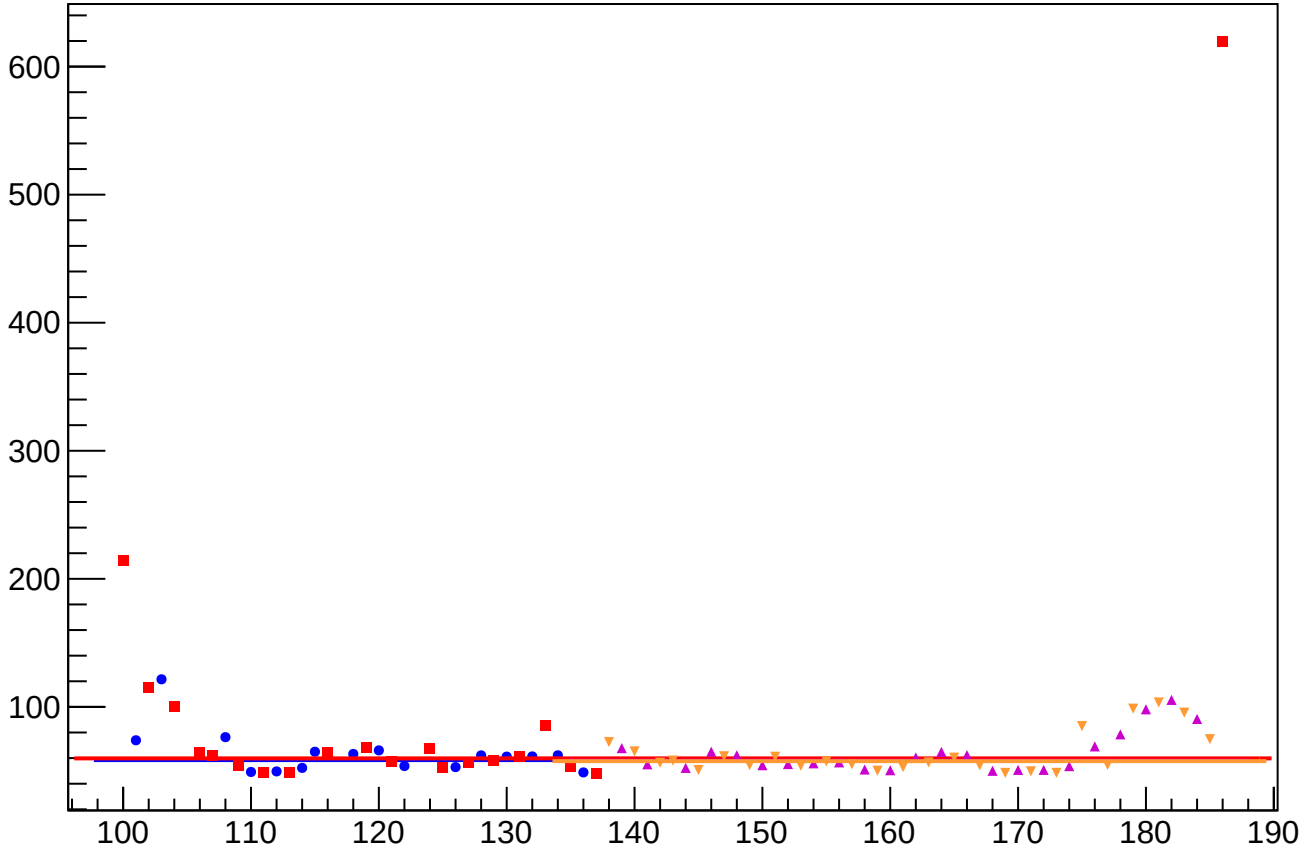
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 35.593+/-11.581 χ^2/NDF: 35.9/40

All: -2.894+/-8.294 χ^2/NDF: 122.6/83

- sign -43.424+/-11.884 χ^2/NDF: 64.1/42

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

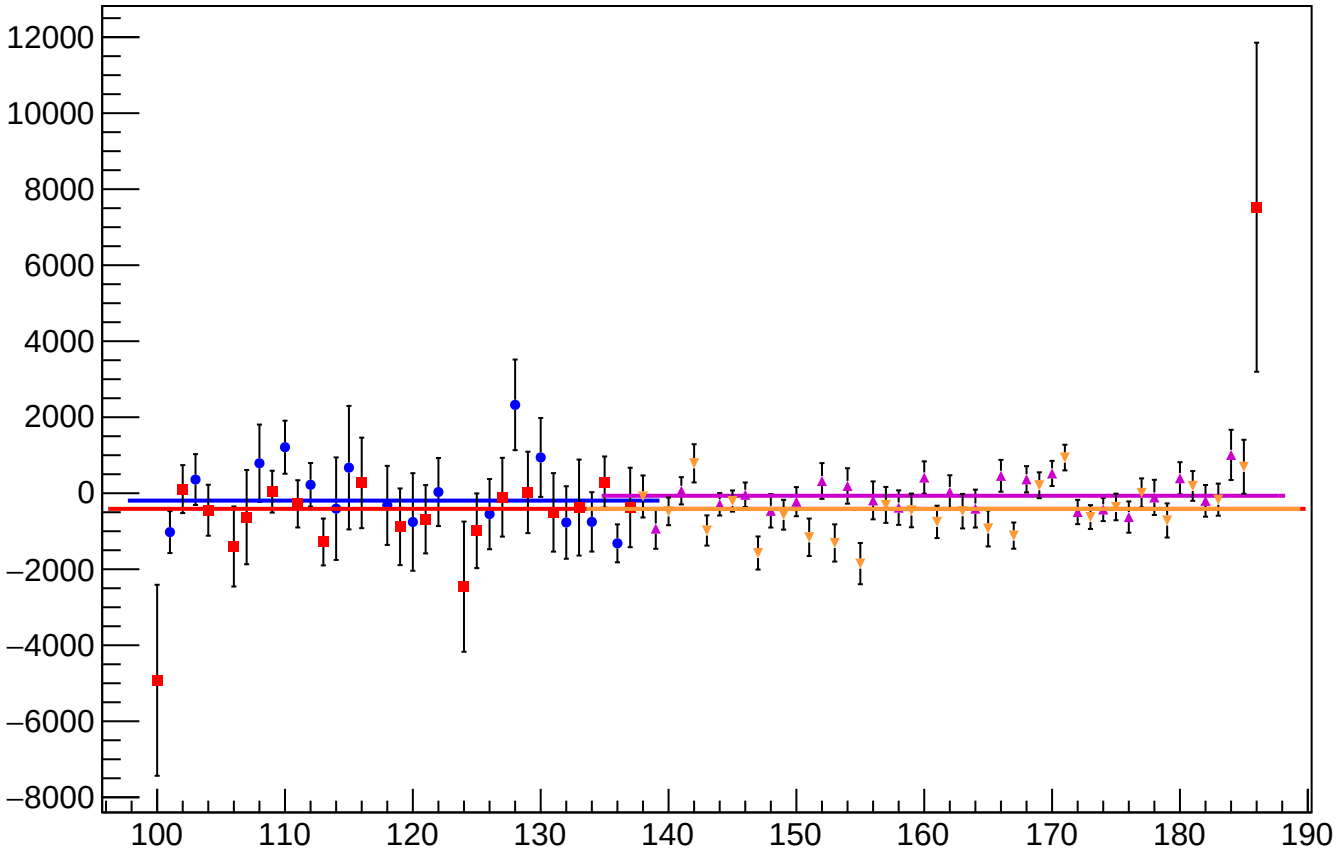
Right Out: 59.791+/-0.016 χ^2/NDF: 1448066.5/19

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 57.852+/-0.008 χ^2/NDF: 1950448.5/40

All: 58.141+/-0.006 χ^2/NDF: 4535192.0/83

- sign 58.445+/-0.008 χ^2/NDF: 2582195.8/42



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

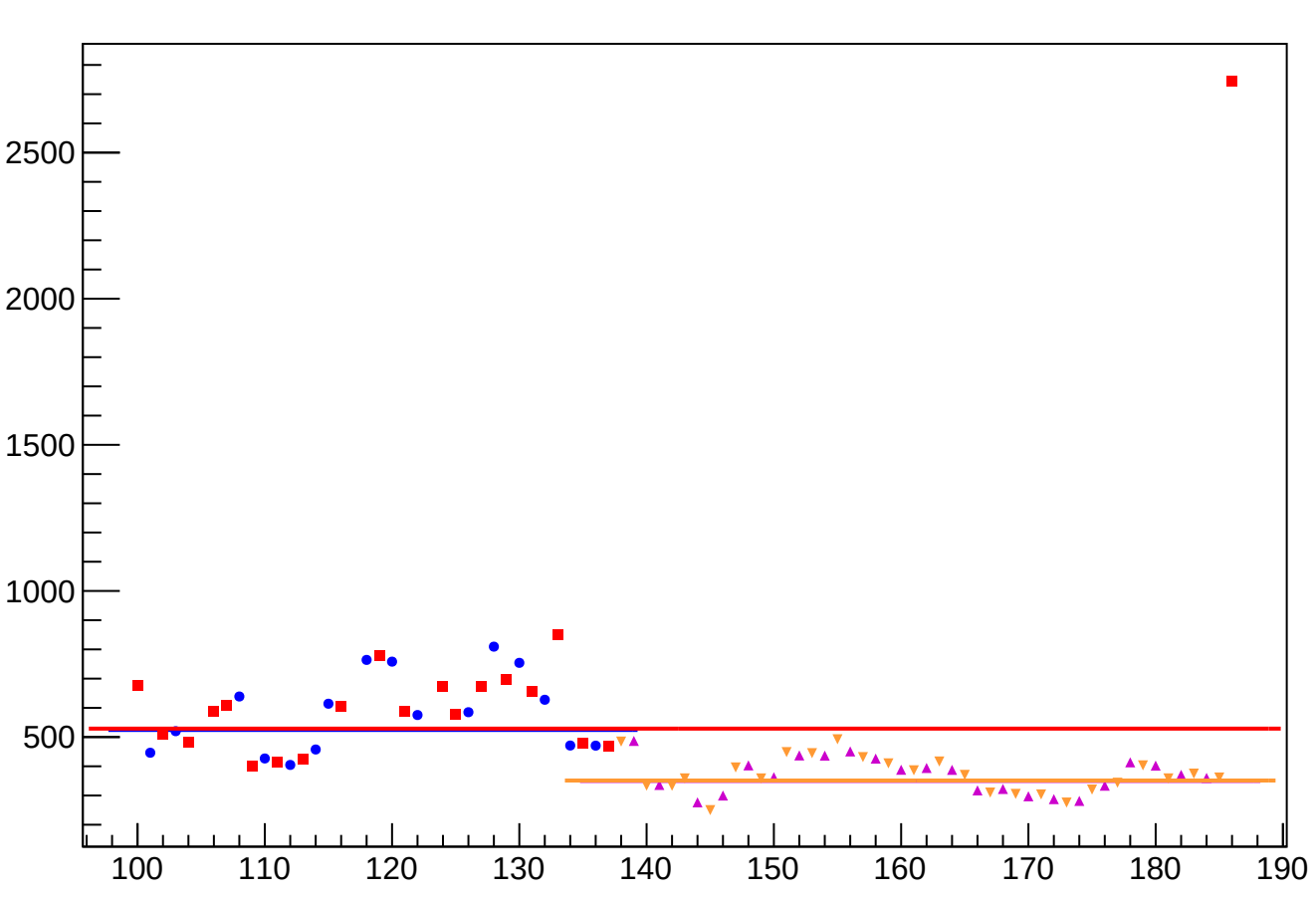
Right Out: -410.543+/-196.801 χ^2/NDF: 14.7/19

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -382.243+/-75.215 χ^2/NDF: 83.1/40

All: -252.752+/-53.648 χ^2/NDF: 129.3/83

- sign -118.657+/-76.541 χ^2/NDF: 40.2/42



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 528.893+/-0.139 χ^2/NDF: 1210875.2/19

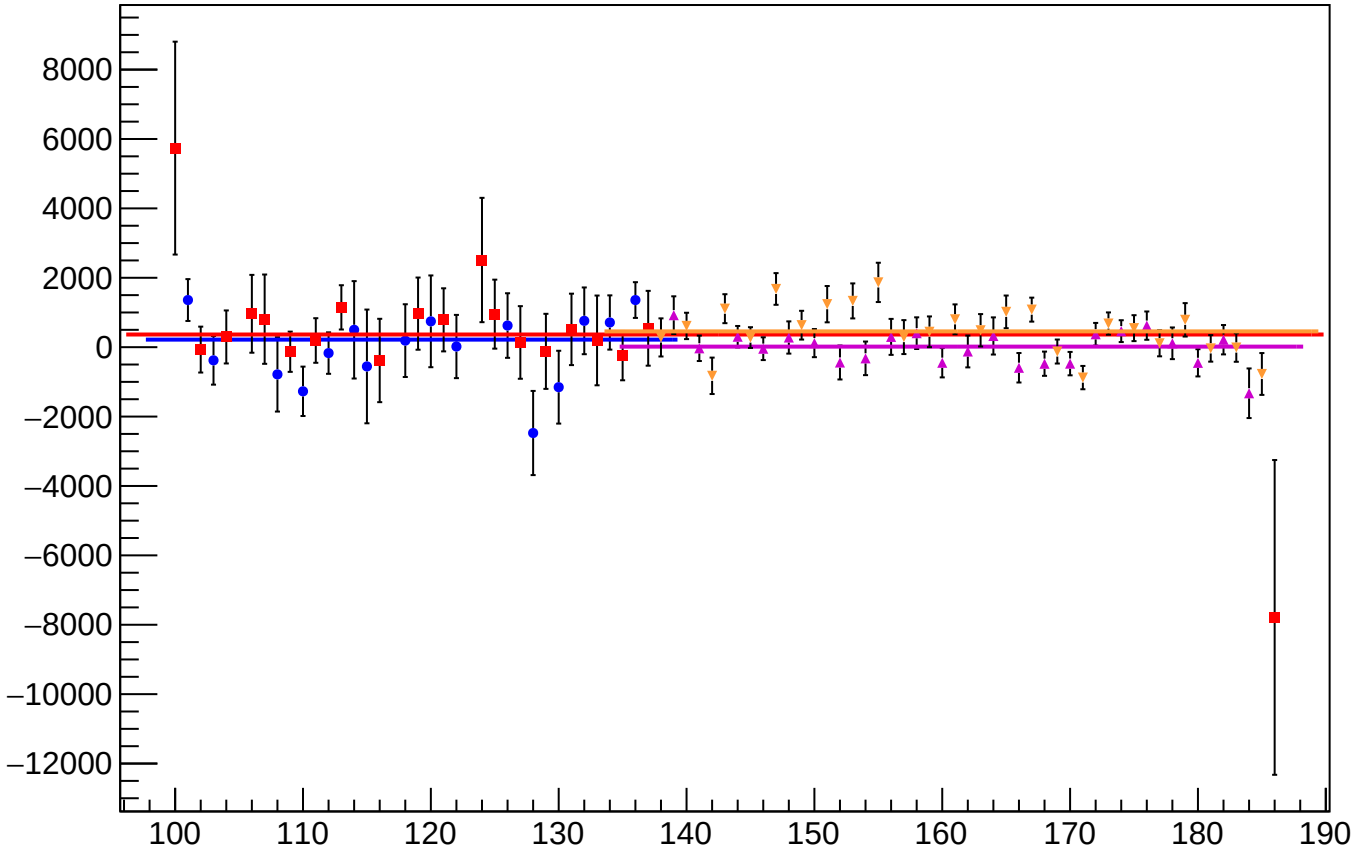
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 375.594+/-0.053 χ^2/NDF: 3055994.1/40

All: 376.236+/-0.038 χ^2/NDF: 6663066.3/83

- sign 376.901+/-0.054 χ^2/NDF: 3606775.3/42

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 365.086+/-205.374 χ^2/NDF: 13.2/19

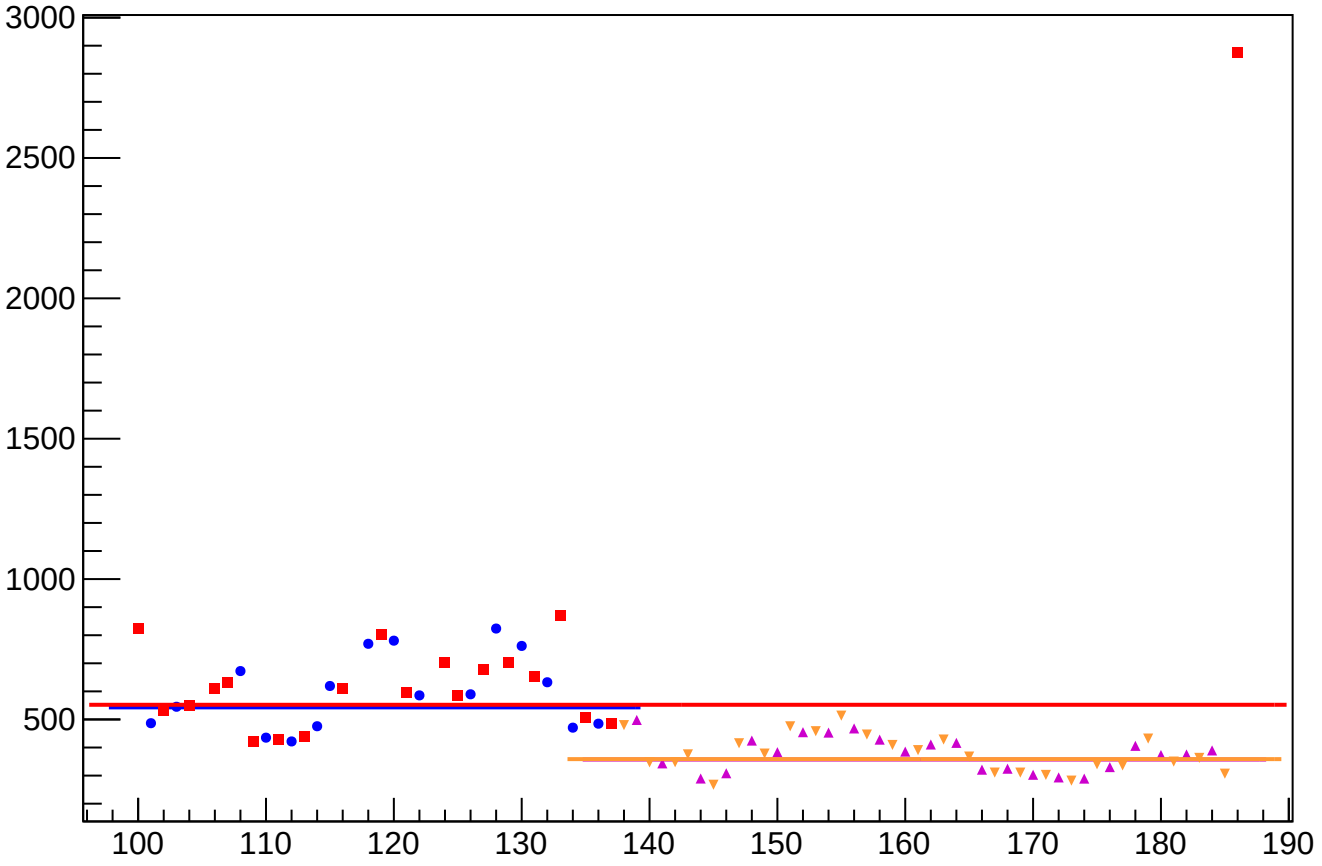
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 422.503+/-77.032 χ^2/NDF: 84.9/40

All: 247.864+/-54.949 χ^2/NDF: 135.9/83

- sign 66.940+/-78.405 χ^2/NDF: 40.5/42

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

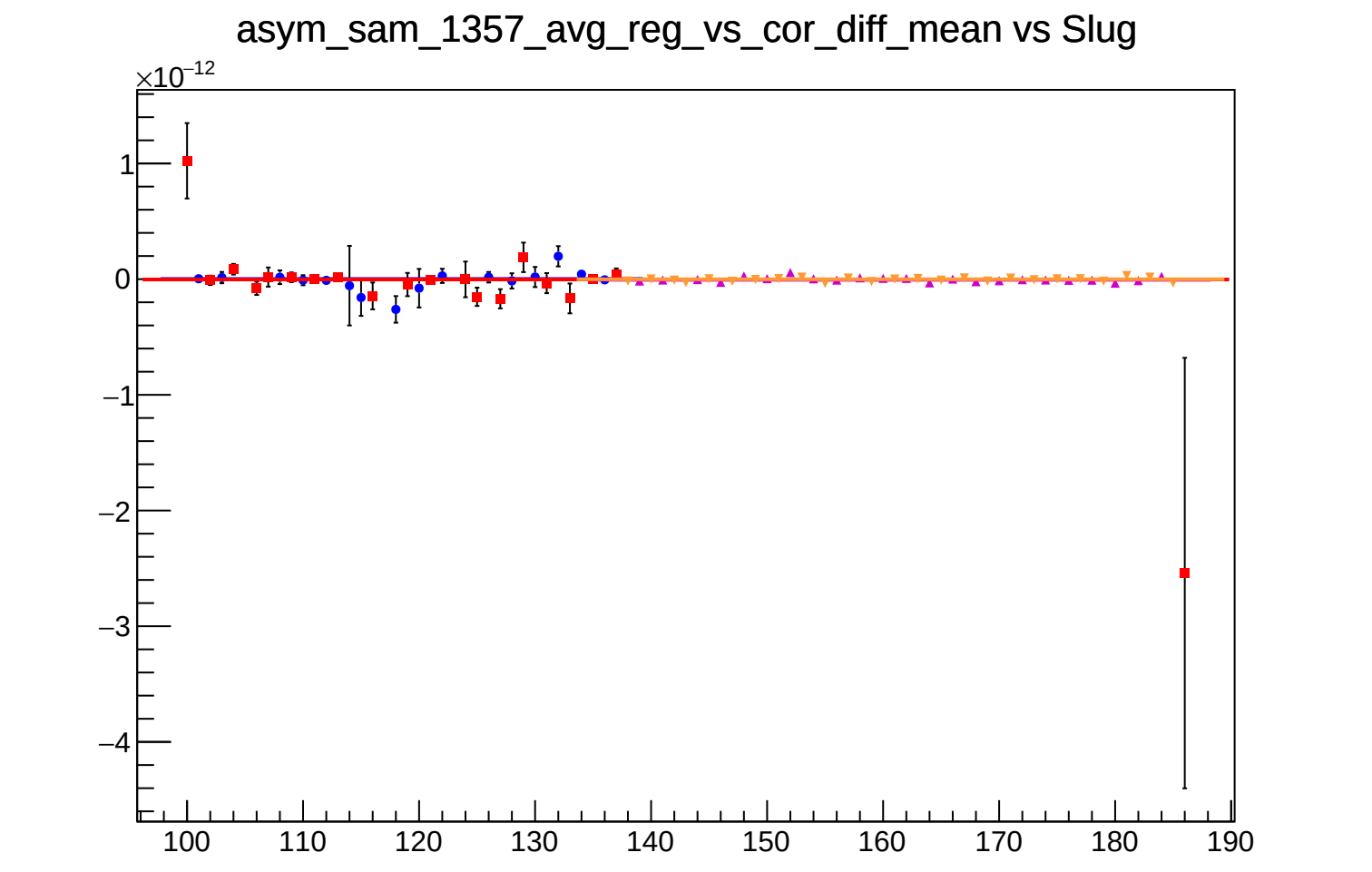
Right Out: 552.237+/-0.145 χ^2/NDF: 1156054.6/19

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 384.081+/-0.054 χ^2/NDF: 3085509.7/40

All: 384.832+/-0.039 χ^2/NDF: 6764722.8/83

- sign 385.611+/-0.055 χ^2/NDF: 3678825.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

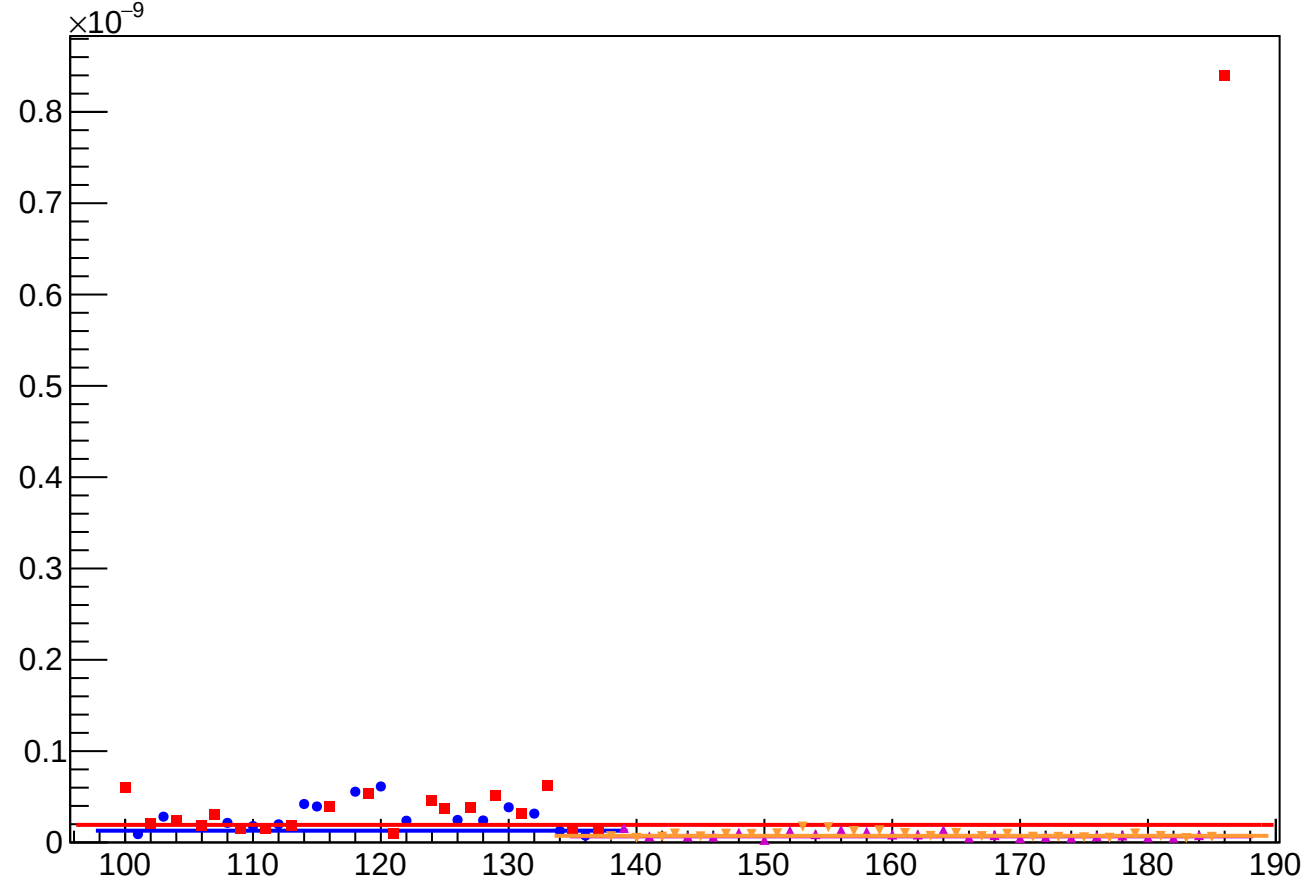
Right Out: -0.000+/-0.000 χ^2/NDF: 31.9/19

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.8/40

All: -0.000+/-0.000 χ^2/NDF: 93.8/83

- sign -0.000+/-0.000 χ^2/NDF: 60.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1756640.1/19

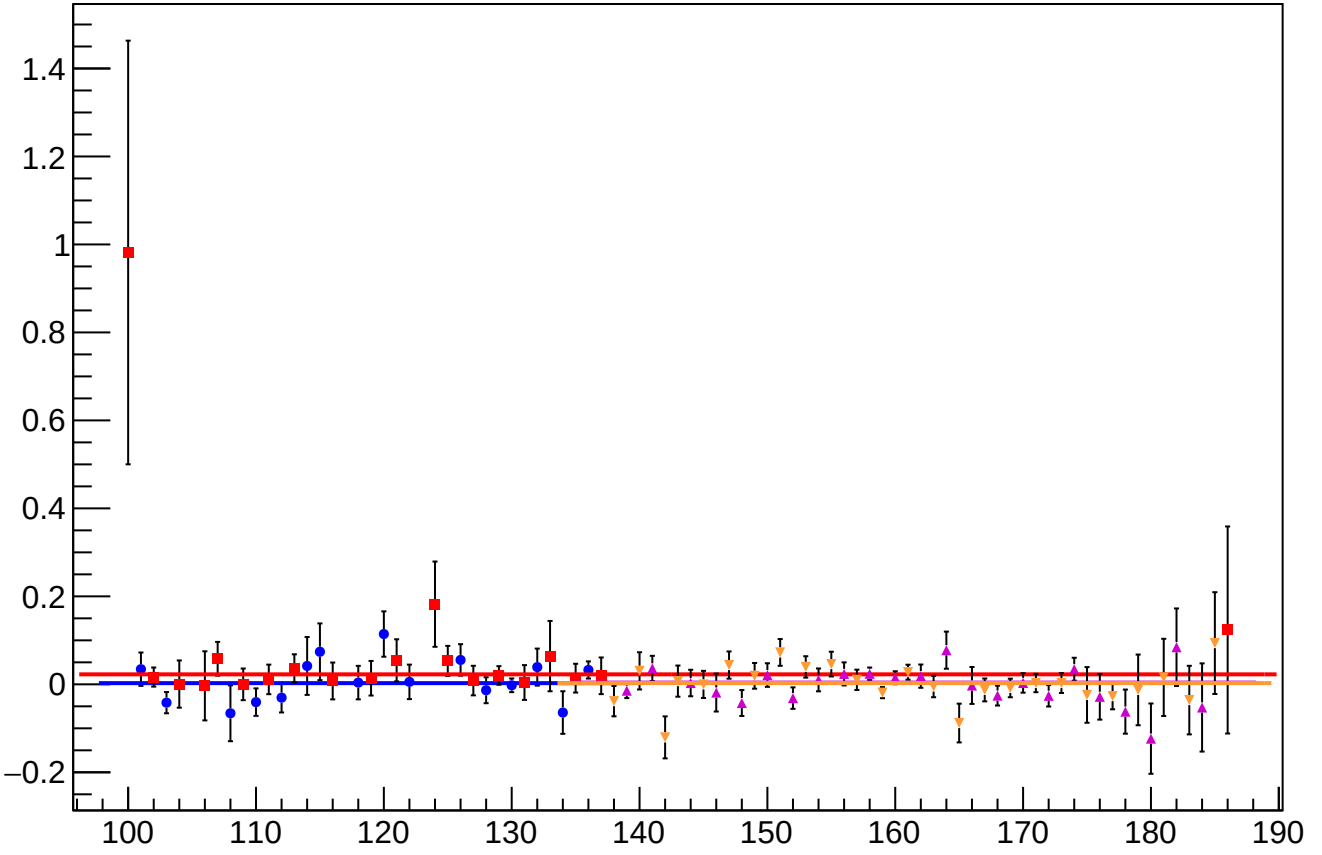
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 3895690.8/40

All: 0.000+/-0.000 χ^2/NDF: 9466179.9/83

- sign 0.000+/-0.000 χ^2/NDF: 5542485.8/42

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.023+/-0.008 χ^2/NDF: 11.0/19

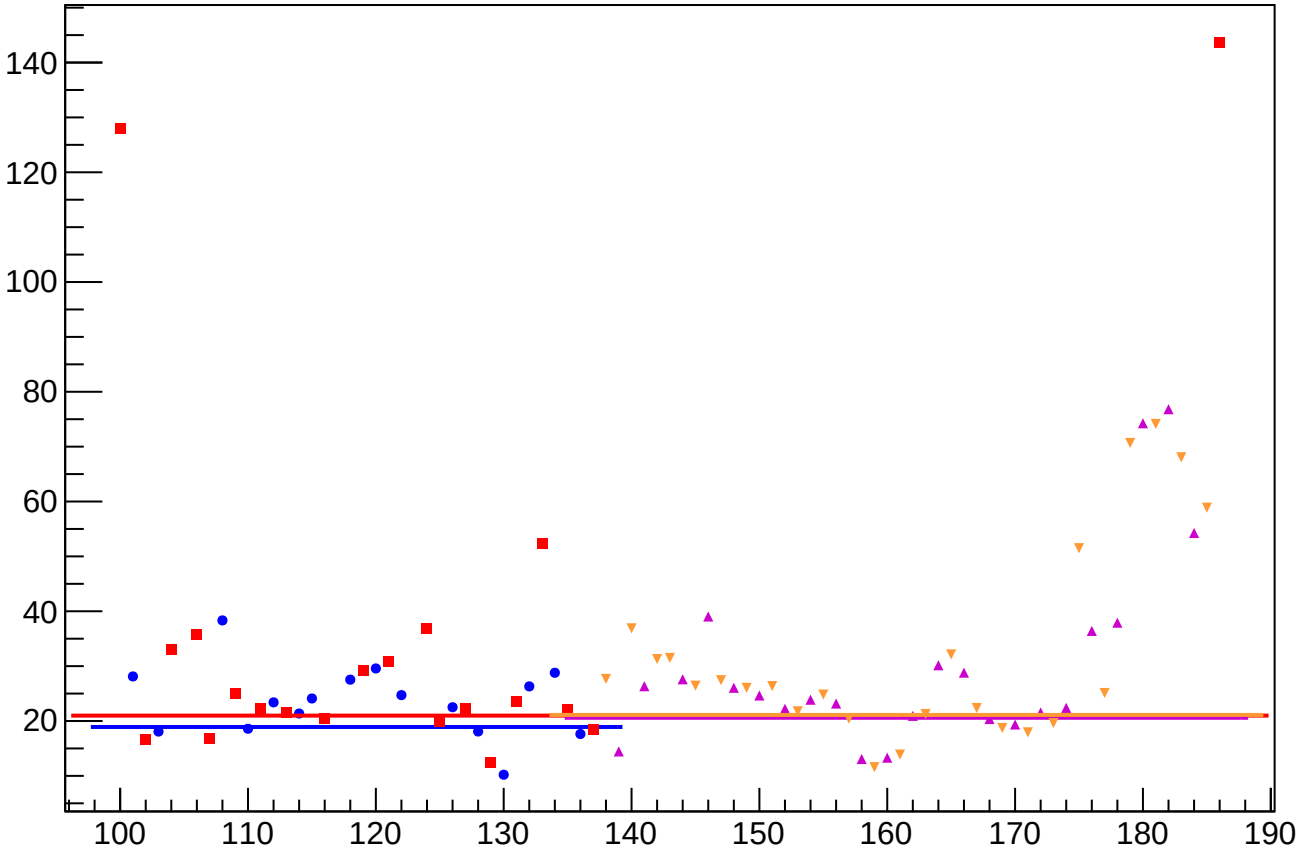
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 54.7/40

All: 0.006+/-0.003 χ^2/NDF: 94.9/83

- sign 0.009+/-0.005 χ^2/NDF: 39.0/42

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 20.985+/-0.006 χ^2/NDF: 1835585.6/19

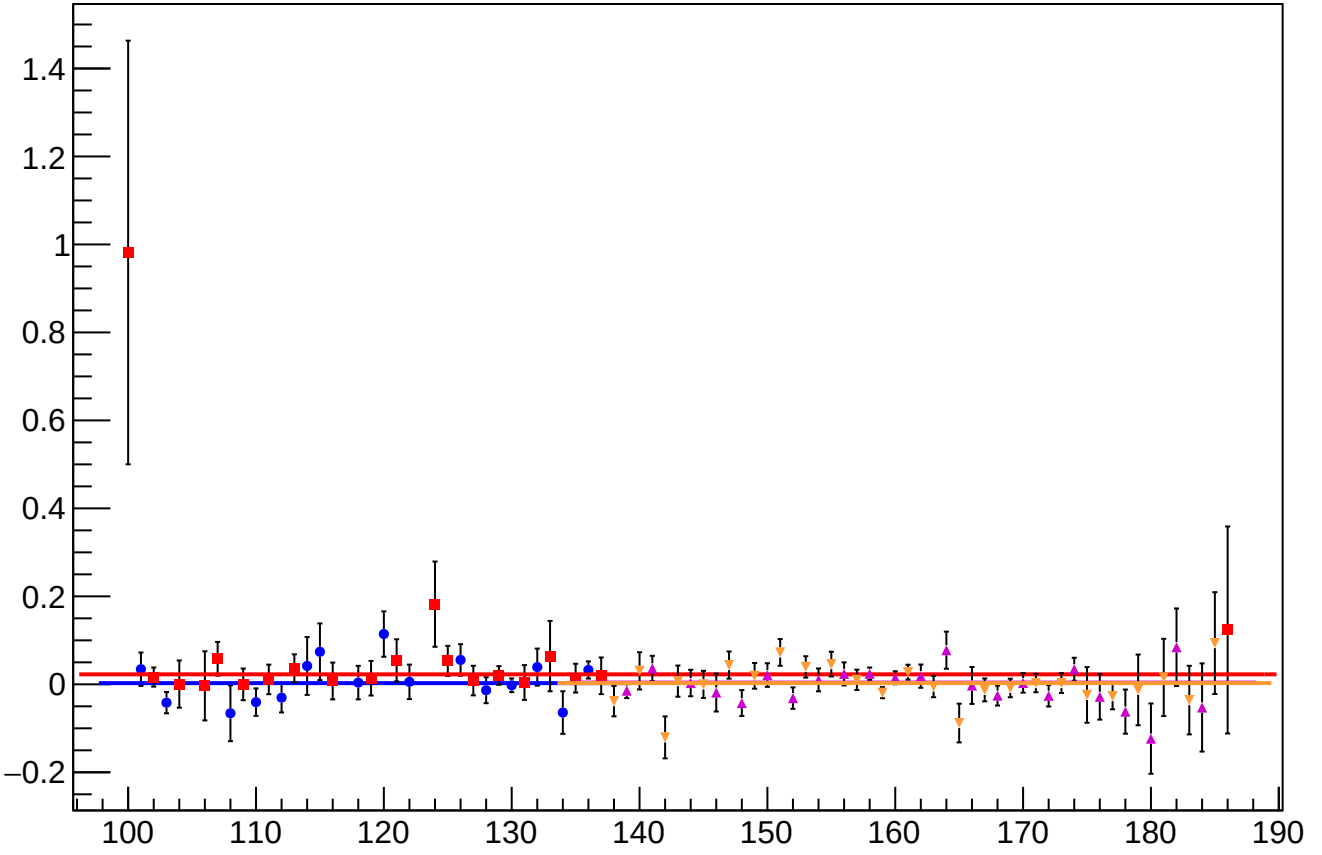
Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.388+/-0.003 χ^2/NDF: 7043410.7/40

All: 20.544+/-0.002 χ^2/NDF: 13486528.6/83

- sign 20.707+/-0.003 χ^2/NDF: 6438144.4/42

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

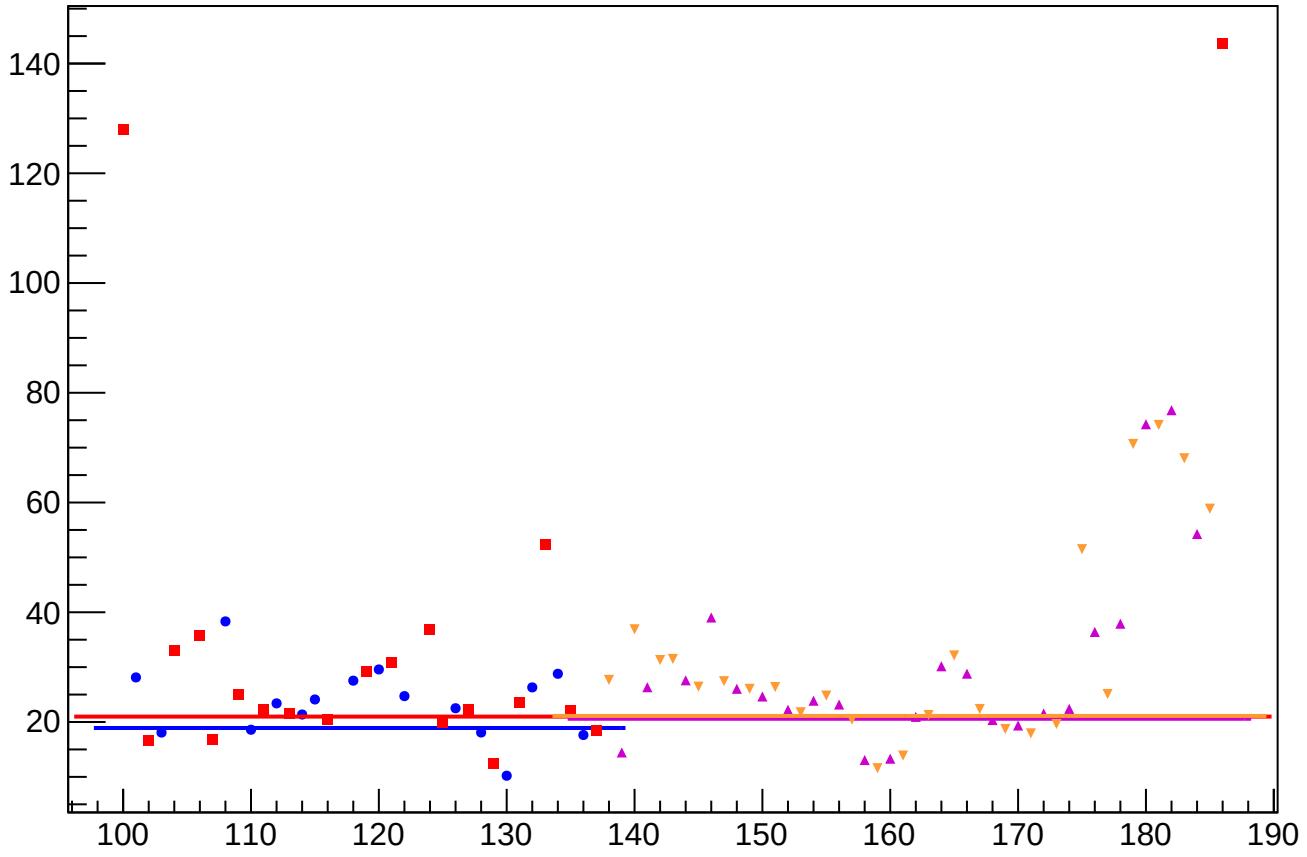
Right Out: 0.023+/-0.008 χ^2/NDF: 11.0/19

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 54.7/40

All: 0.006+/-0.003 χ^2/NDF: 94.9/83

- sign 0.009+/-0.005 χ^2/NDF: 39.0/42



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

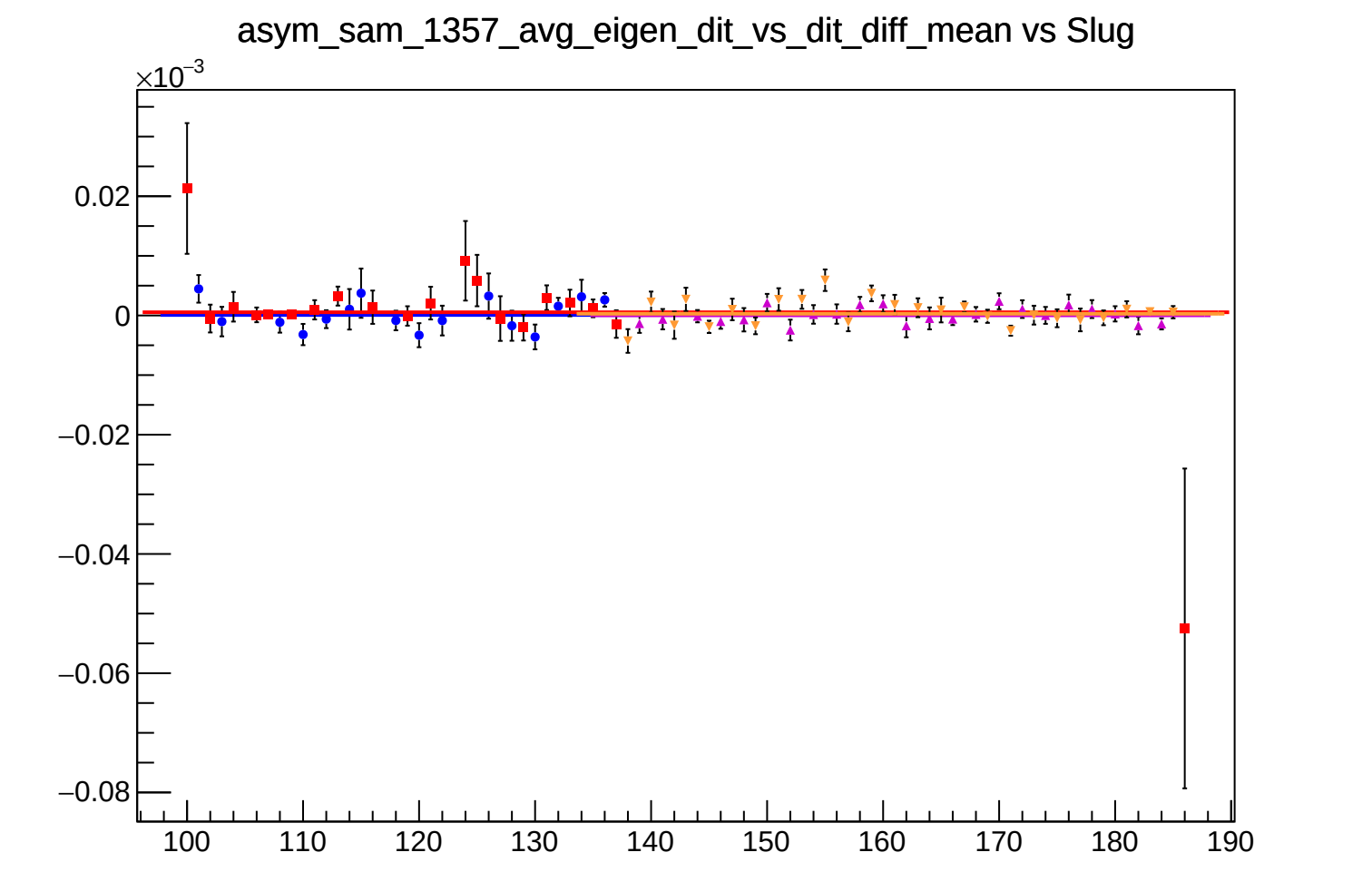
Right Out: 20.985+/-0.006 χ^2/NDF: 1835585.6/19

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.388+/-0.003 χ^2/NDF: 7043410.7/40

All: 20.544+/-0.002 χ^2/NDF: 13486528.6/83

- sign 20.707+/-0.003 χ^2/NDF: 6438144.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

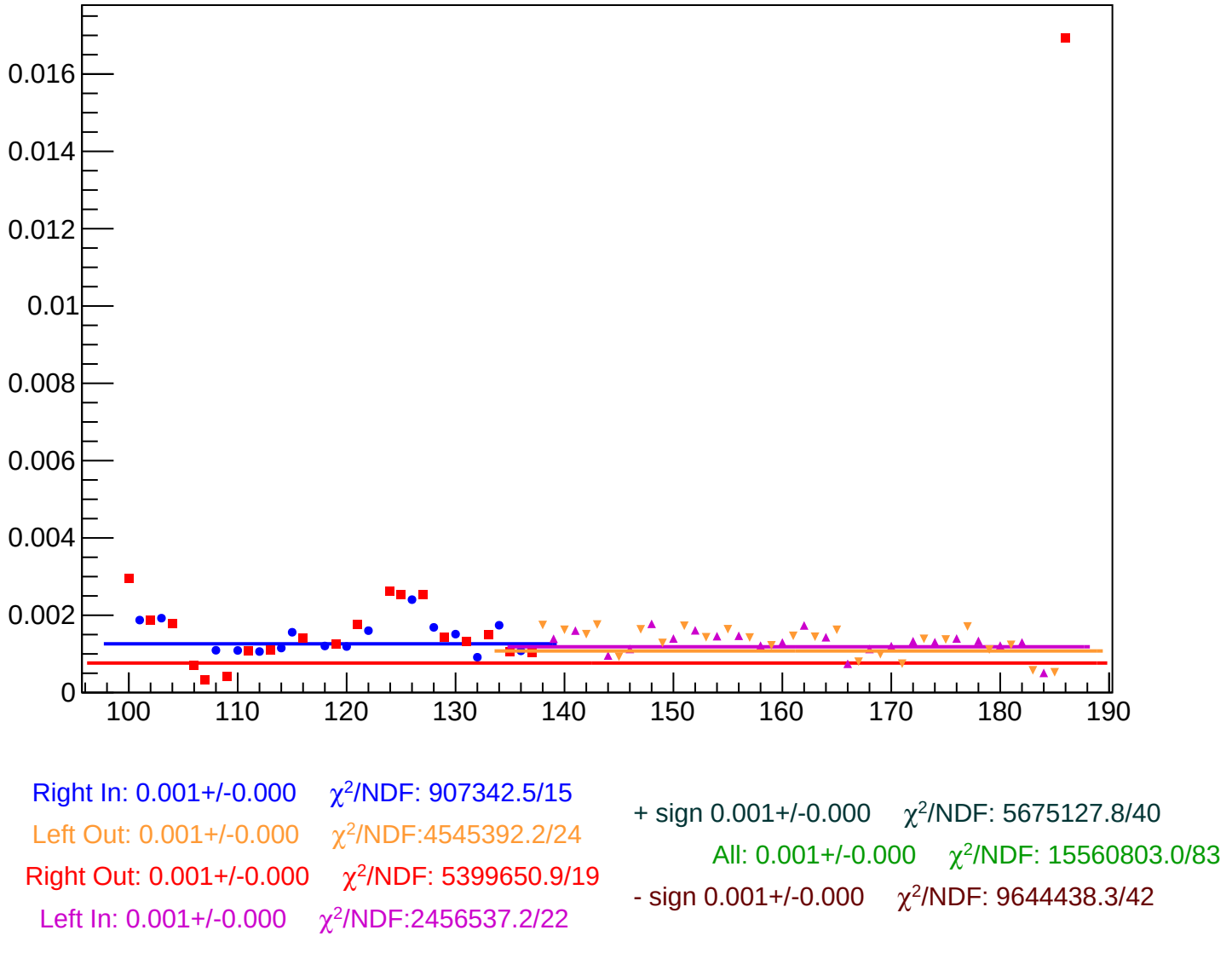
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/19

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

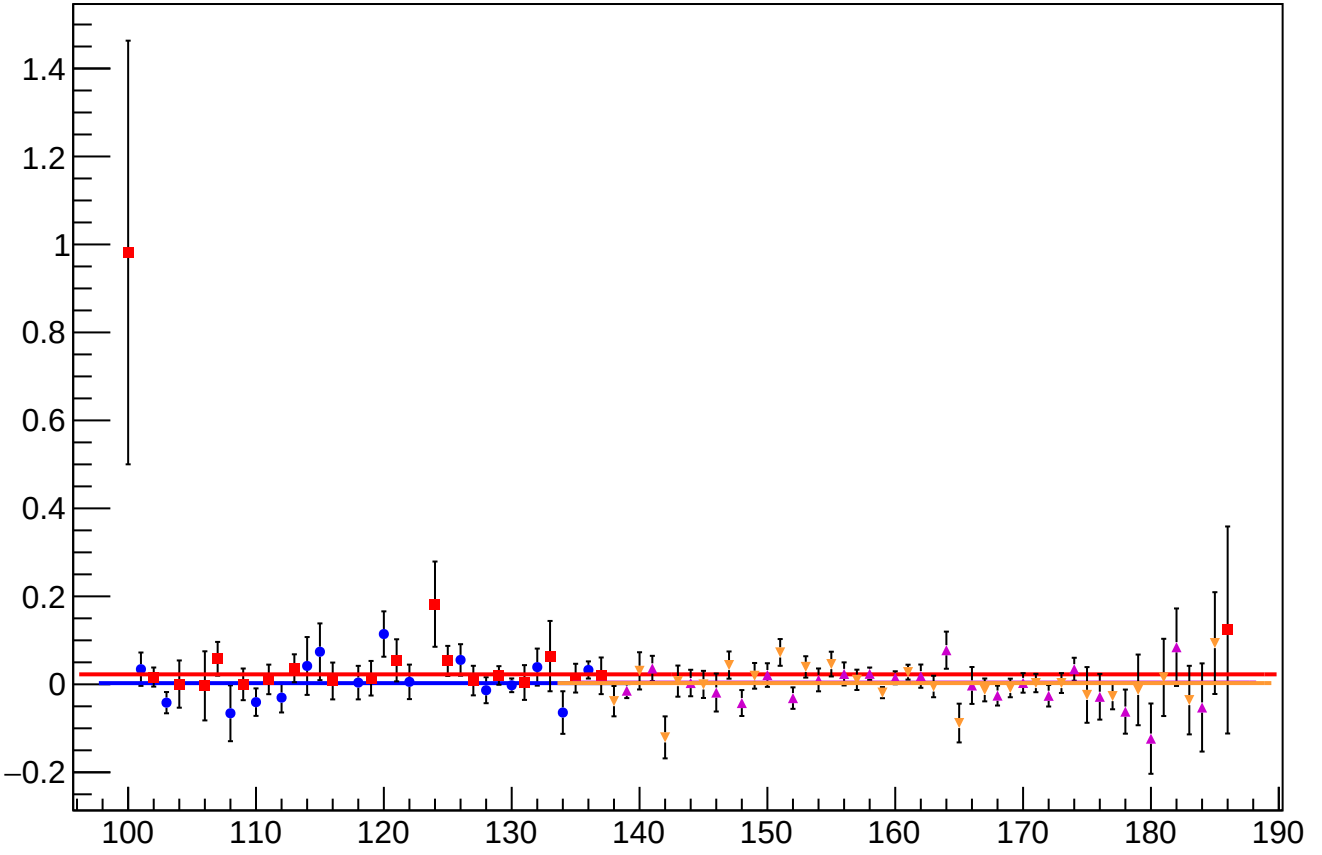
+ sign 0.000+/-0.000 χ^2/NDF: 76.3/40

All: 0.000+/-0.000 χ^2/NDF: 117.0/83

- sign 0.000+/-0.000 χ^2/NDF: 40.7/42


asym_sam_1357_avg_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: 0.001+/-0.000 χ²/NDF: 907342.5/15
Left Out: 0.001+/-0.000 χ²/NDF:4545392.2/24
Right Out: 0.001+/-0.000 χ²/NDF: 5399650.9/19
Left In: 0.001+/-0.000 χ²/NDF:2456537.2/22
+ sign 0.001+/-0.000 χ²/NDF: 5675127.8/40
All: 0.001+/-0.000 χ²/NDF: 15560803.0/83
- sign 0.001+/-0.000 χ²/NDF: 9644438.3/42

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

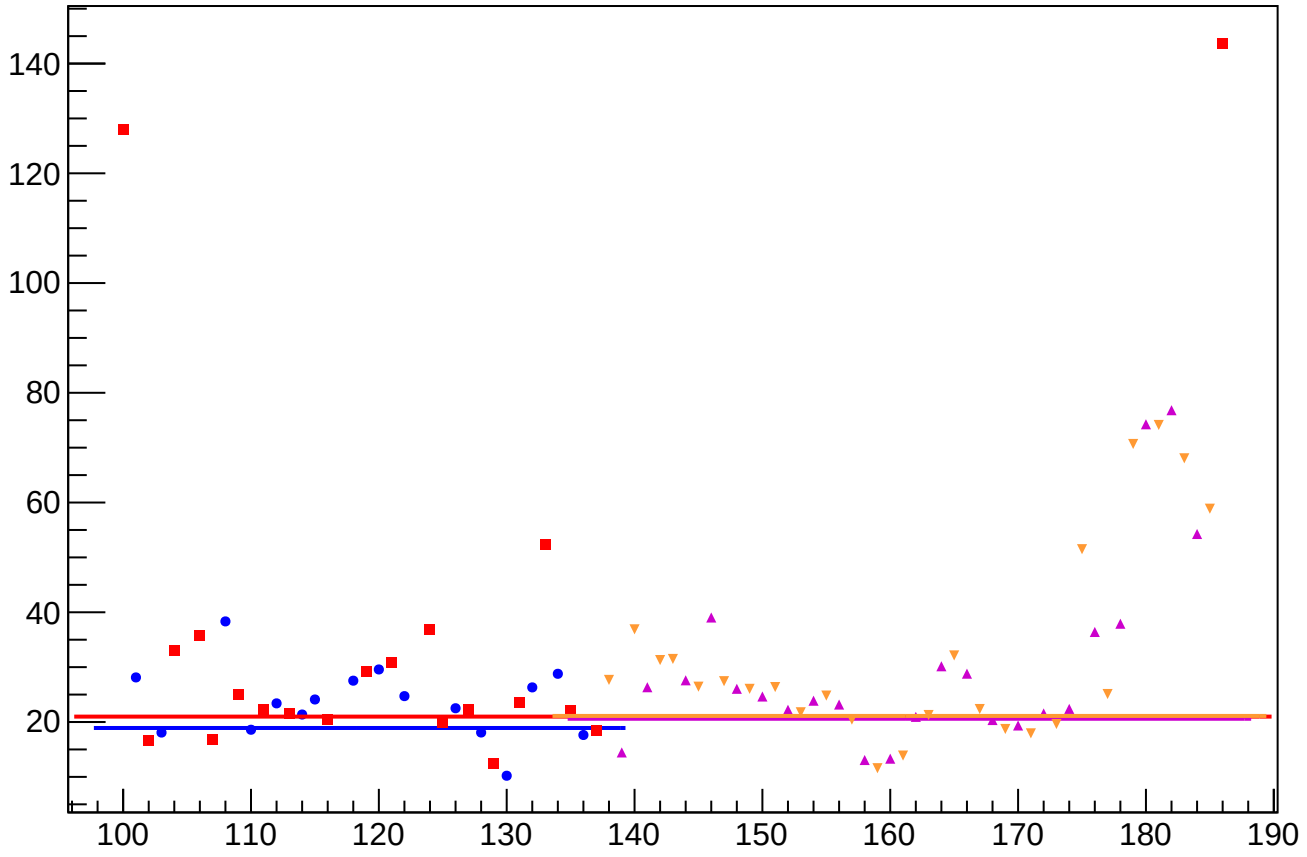
Right Out: 0.023+/-0.008 χ^2/NDF: 11.0/19

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 54.7/40

All: 0.006+/-0.003 χ^2/NDF: 94.9/83

- sign 0.009+/-0.005 χ^2/NDF: 39.0/42



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 20.985+/-0.006 χ^2/NDF: 1835591.7/19

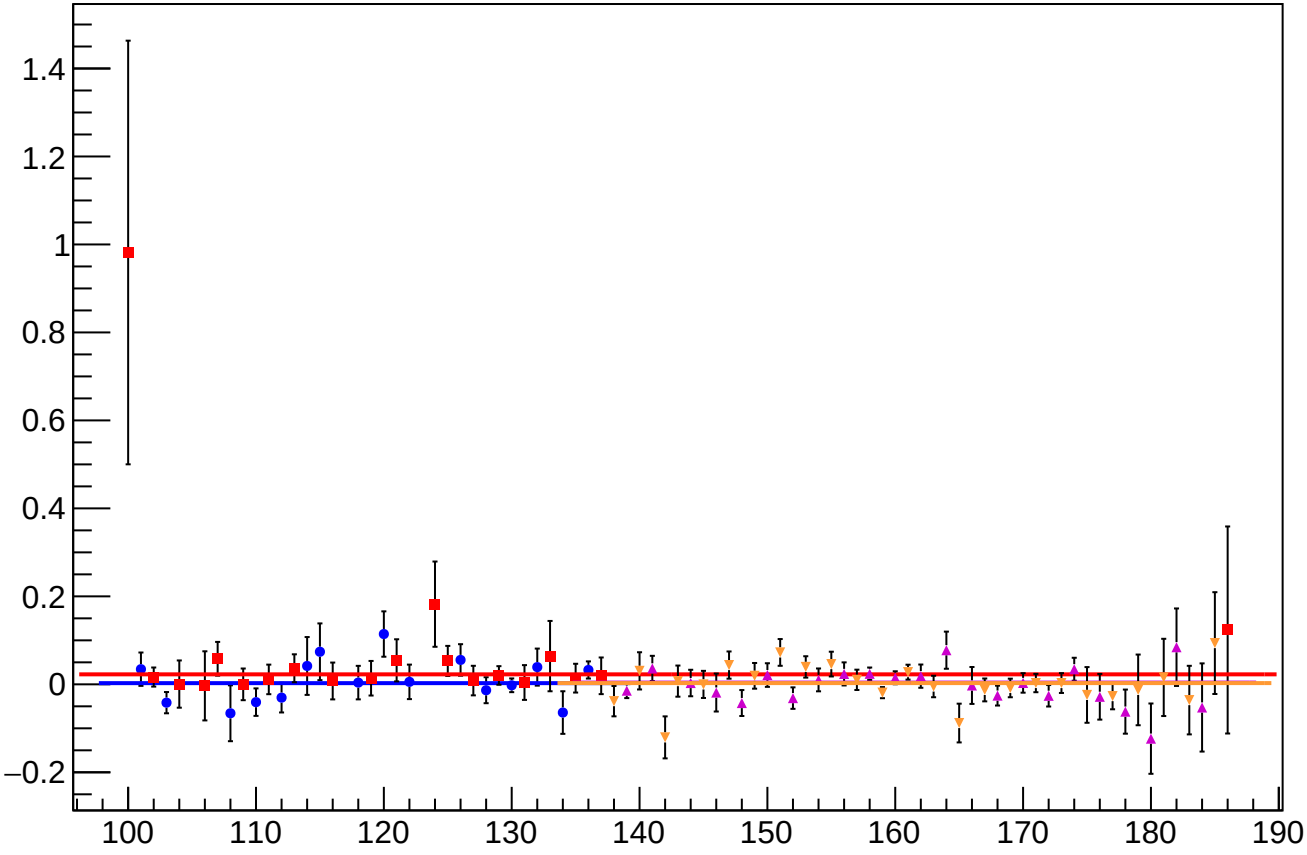
Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.388+/-0.003 χ^2/NDF: 7043392.3/40

All: 20.544+/-0.002 χ^2/NDF: 13486520.0/83

- sign 20.707+/-0.003 χ^2/NDF: 6438153.0/42

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

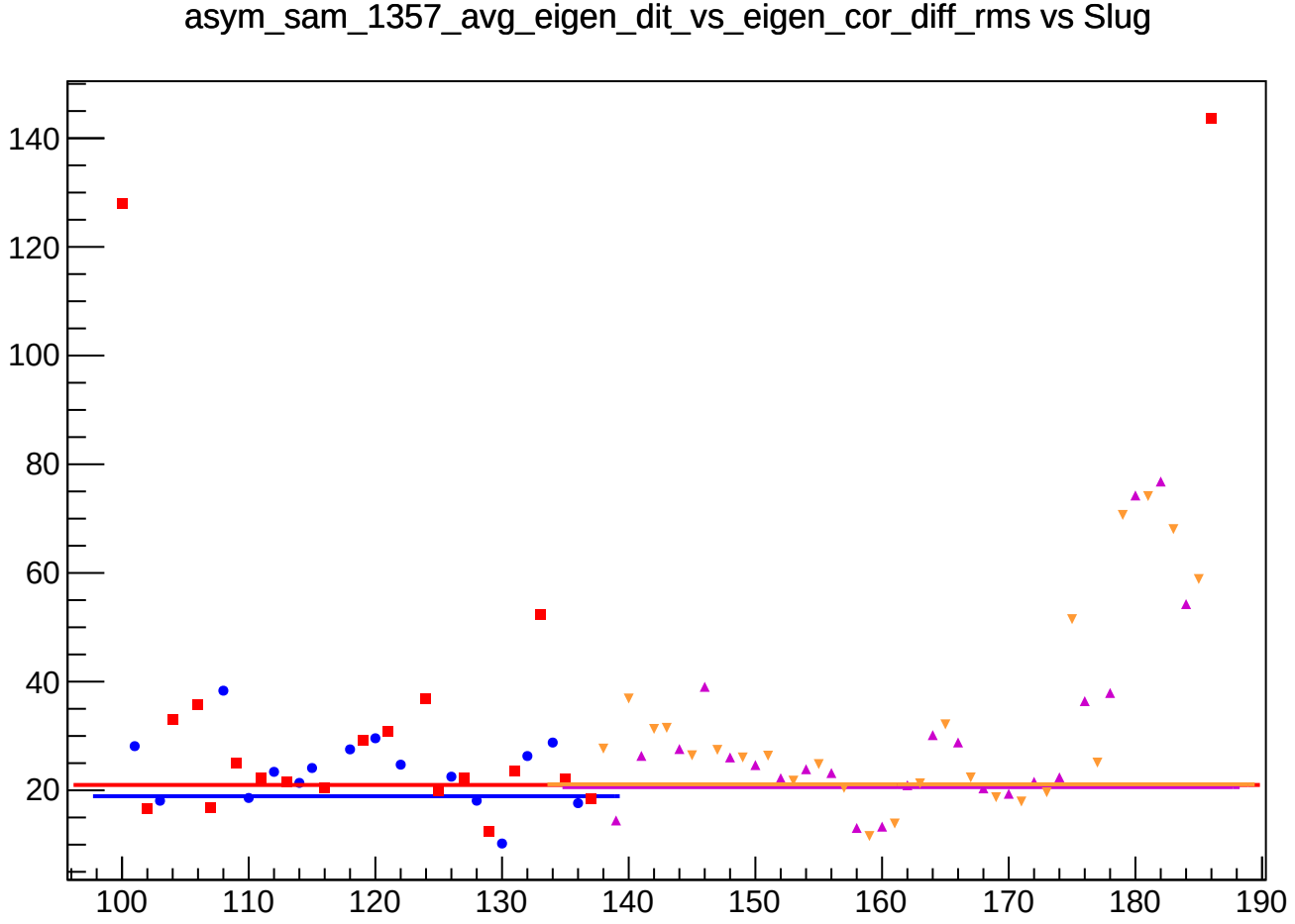
Right Out: 0.023+/-0.008 χ^2/NDF: 11.0/19

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 54.7/40

All: 0.006+/-0.003 χ^2/NDF: 94.9/83

- sign 0.009+/-0.005 χ^2/NDF: 39.0/42



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

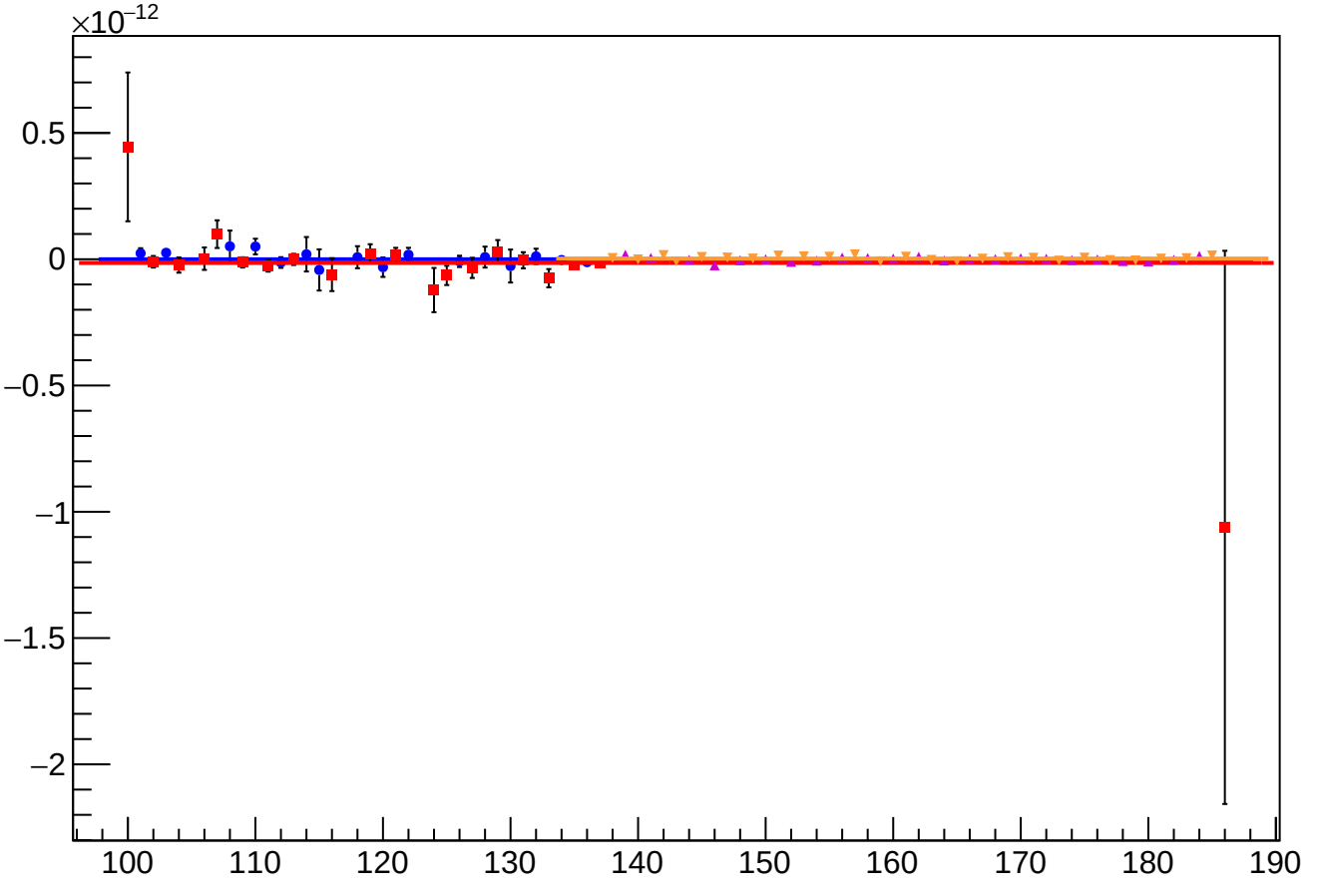
Right Out: 20.985+/-0.006 χ^2/NDF: 1835591.7/19

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.388+/-0.003 χ^2/NDF: 7043392.3/40

All: 20.544+/-0.002 χ^2/NDF: 13486520.0/83

- sign 20.707+/-0.003 χ^2/NDF: 6438153.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

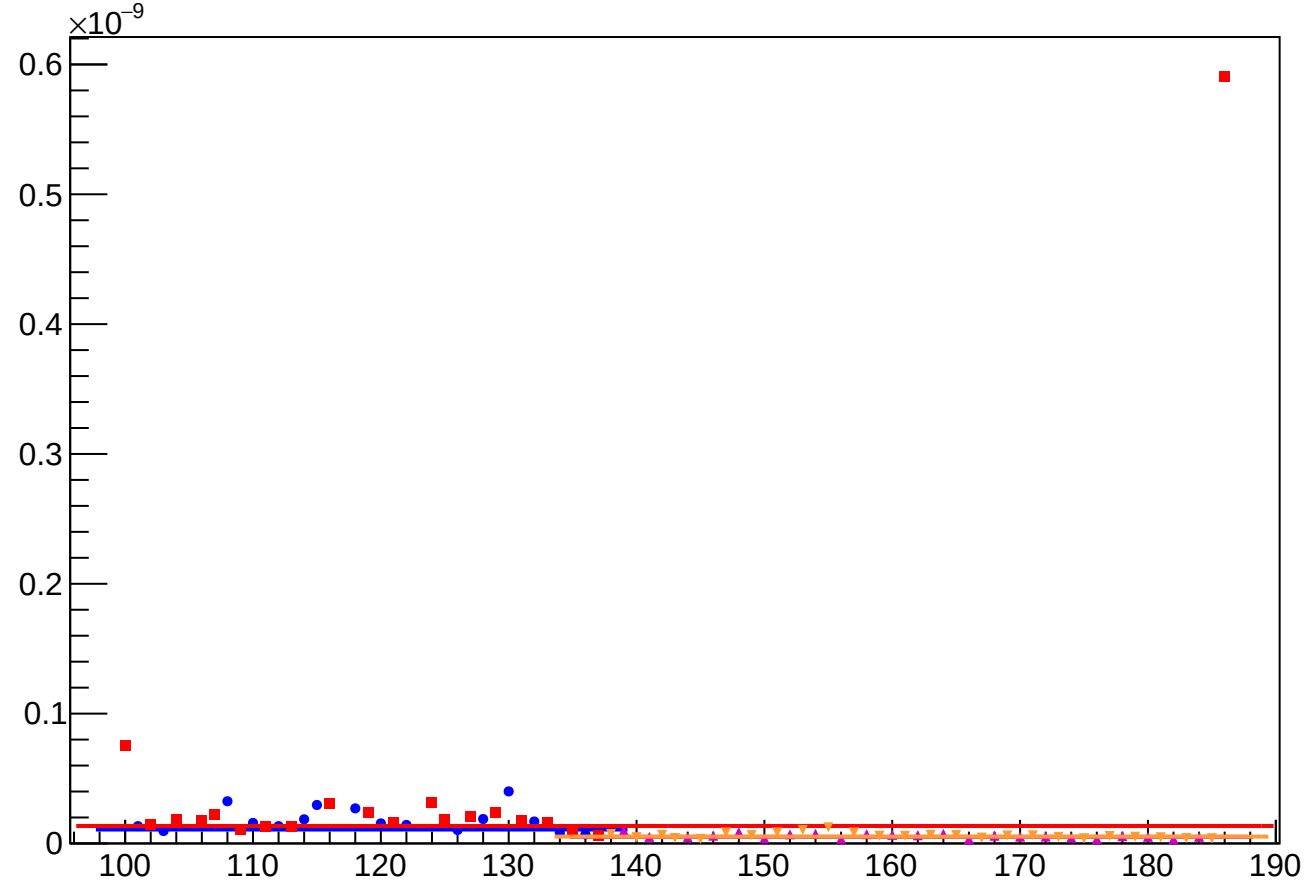
Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/19

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.4/40

All: 0.000+/-0.000 χ^2/NDF: 79.0/83

- sign -0.000+/-0.000 χ^2/NDF: 44.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1958991.5/19

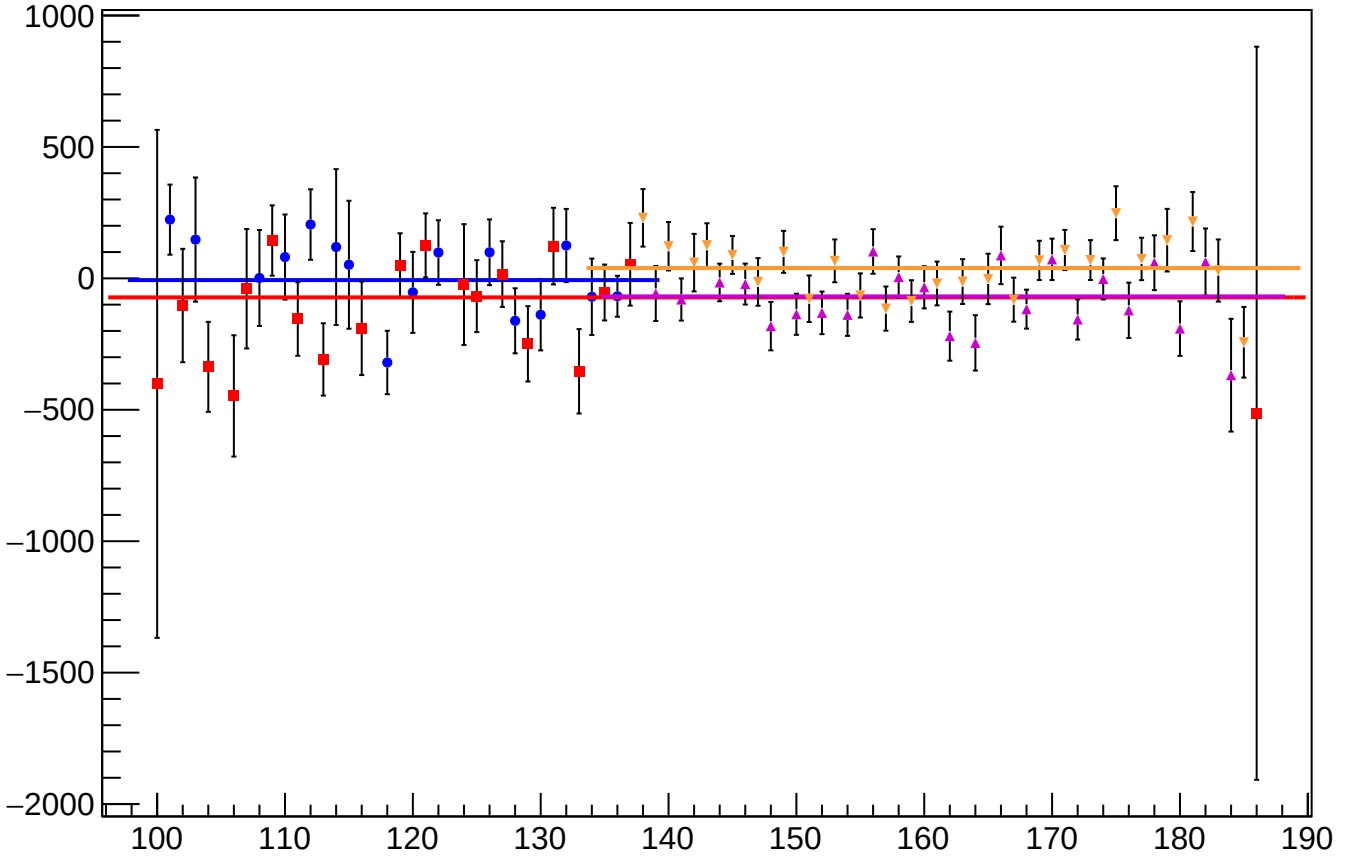
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5653569.1/40

All: 0.000+/-0.000 χ^2/NDF: 12432243.8/83

- sign 0.000+/-0.000 χ^2/NDF: 6771481.3/42

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -72.399+/-34.872 χ^2/NDF: 22.9/19

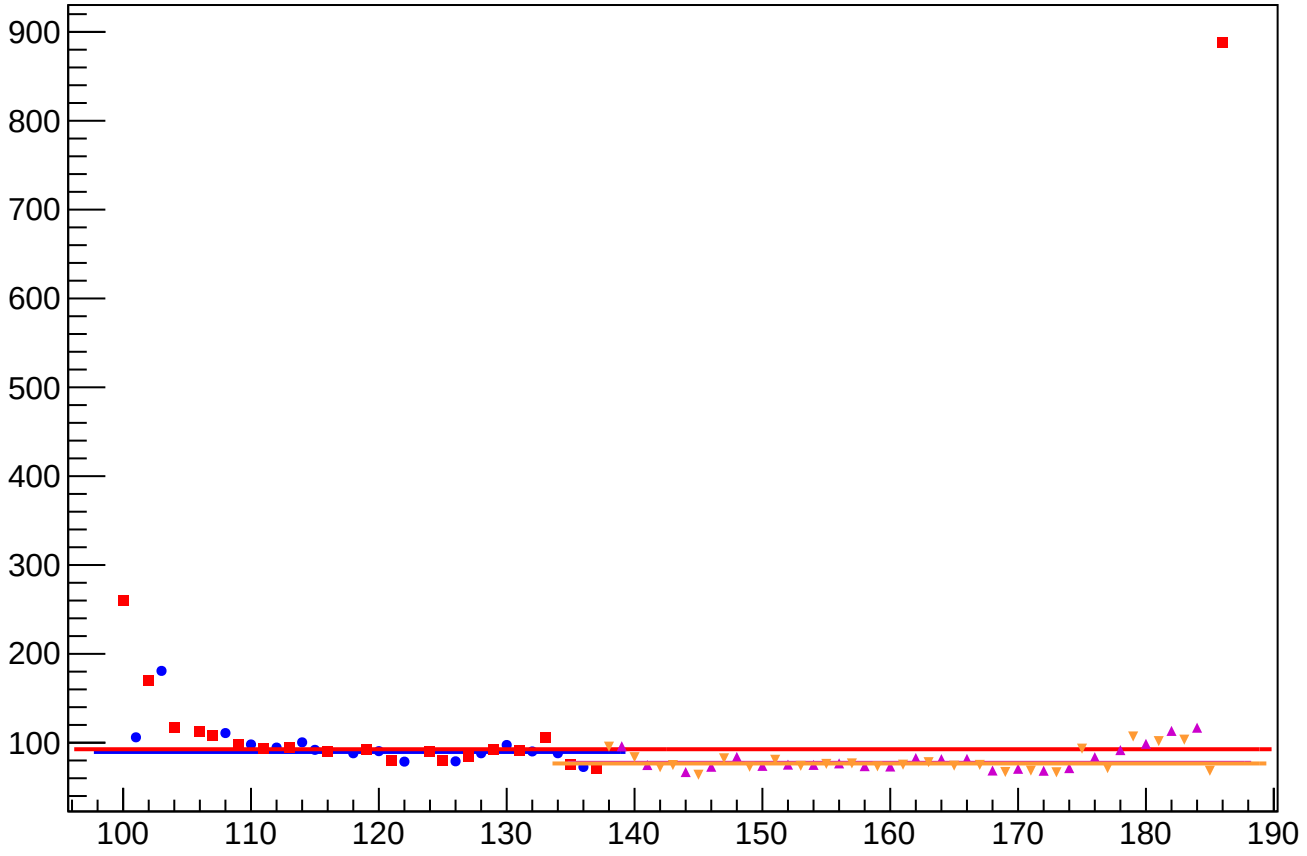
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.819+/-15.704 χ^2/NDF: 52.3/40

All: -18.217+/-11.281 χ^2/NDF: 123.5/83

- sign -69.437+/-16.216 χ^2/NDF: 51.9/42

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 92.659+/-0.025 χ^2/NDF: 1193065.3/19

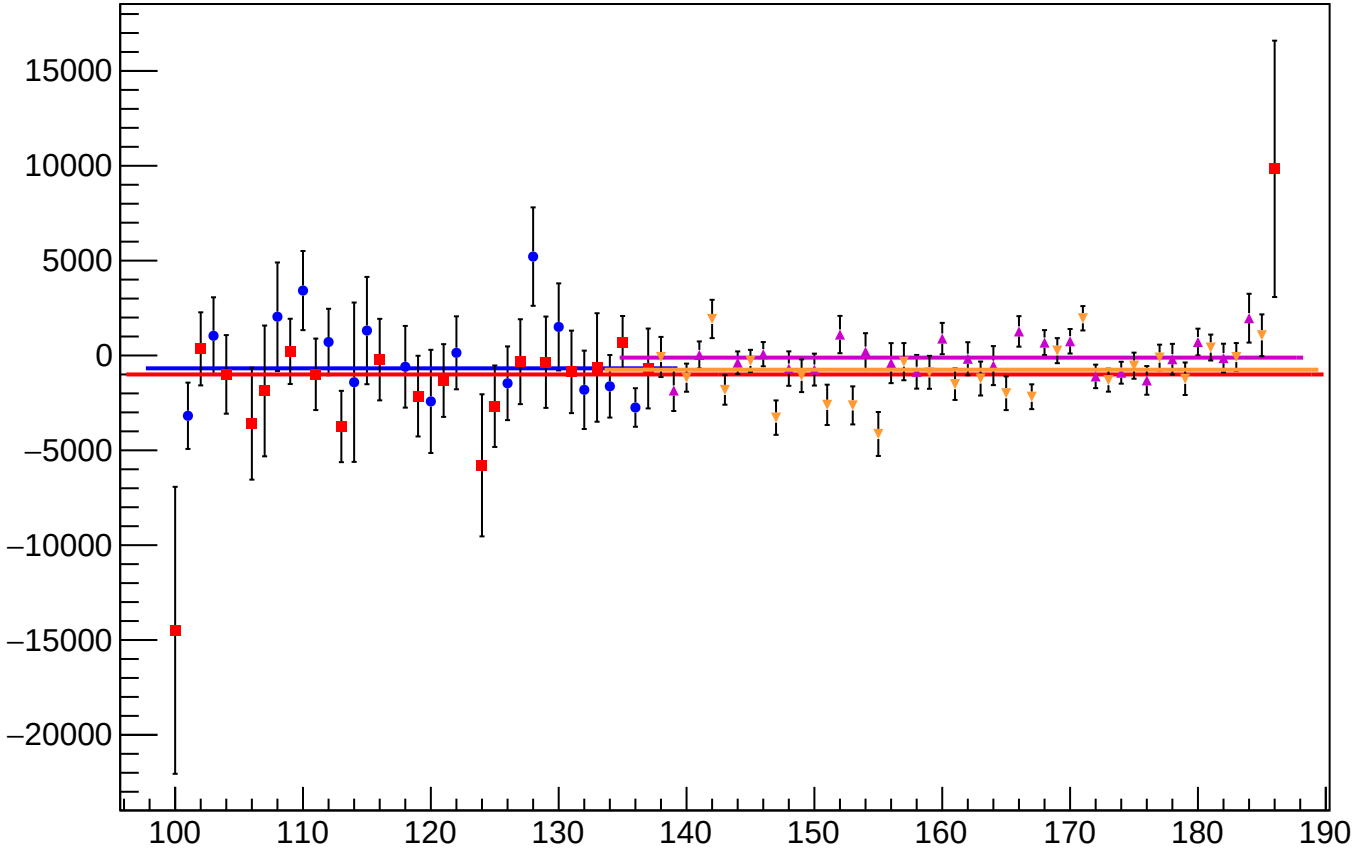
Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.365+/-0.011 χ^2/NDF: 1378704.3/40

All: 79.991+/-0.008 χ^2/NDF: 3470916.0/83

- sign 80.659+/-0.011 χ^2/NDF: 2085636.3/42

asym_sam_2468_avg_reg_correction_mean vs Slug



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -1000.282+/-495.017 χ^2/NDF: 14.0/19

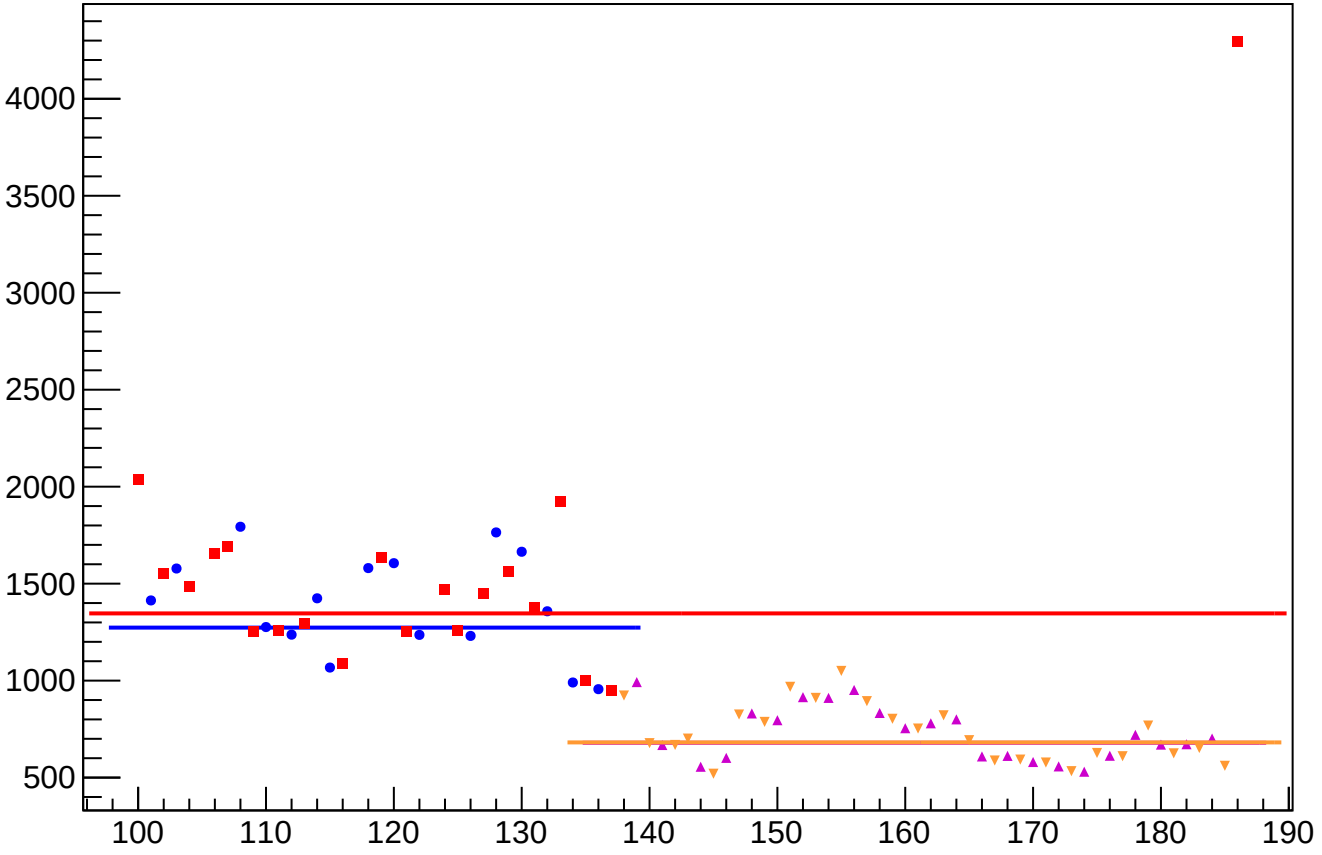
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

\+ sign -742.739+/-150.343 χ^2/NDF: 90.3/40

All: -477.235+/-107.510 χ^2/NDF: 138.6/83

\- sign -199.375+/-153.801 χ^2/NDF: 42.0/42

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1346.590+/-0.350 χ^2/NDF: 853480.8/19

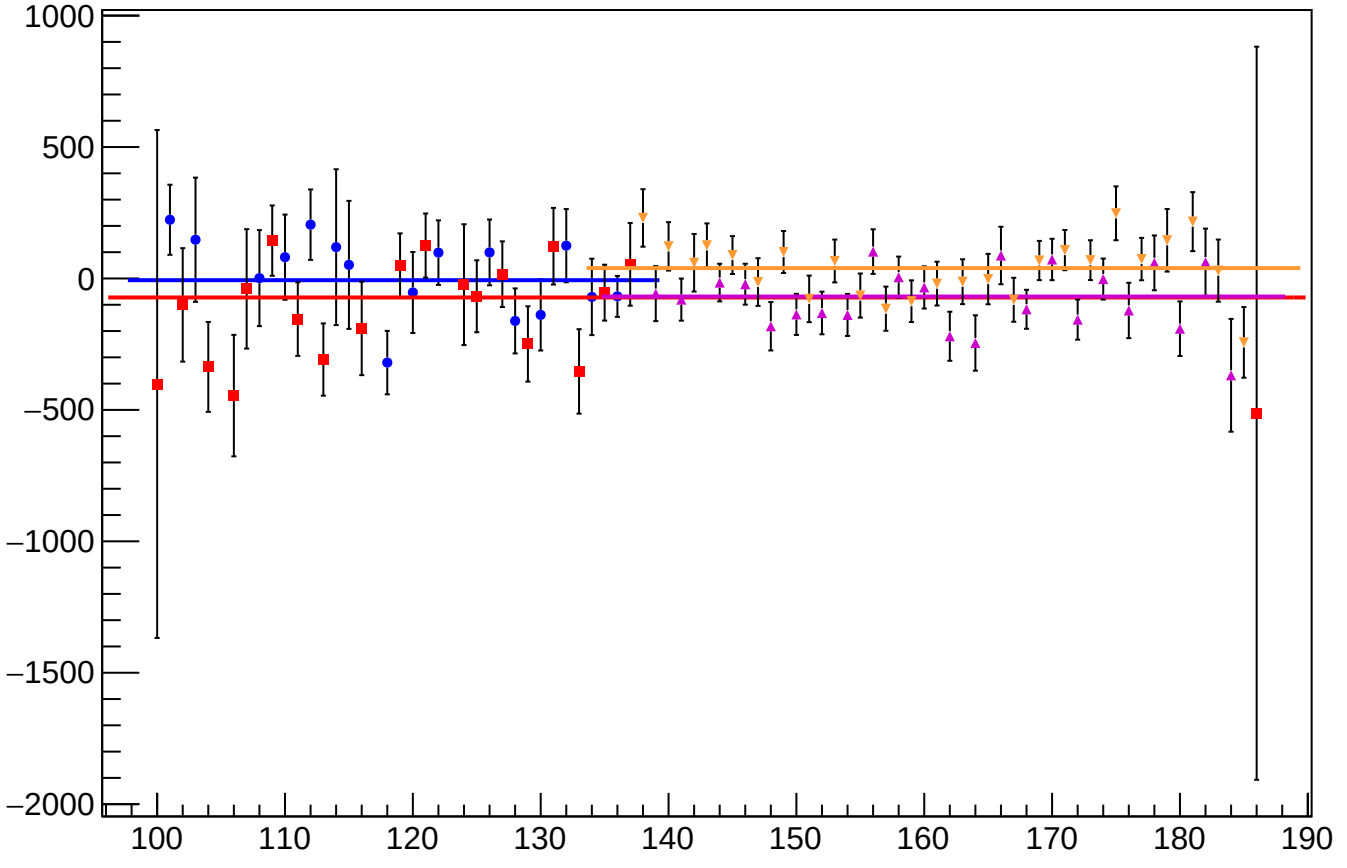
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 737.957+/-0.106 χ^2/NDF: 4609660.7/40

All: 740.821+/-0.076 χ^2/NDF: 9932239.7/83

- sign 743.818+/-0.109 χ^2/NDF: 5321093.5/42

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -72.256+/-34.874 χ^2/NDF: 22.9/19

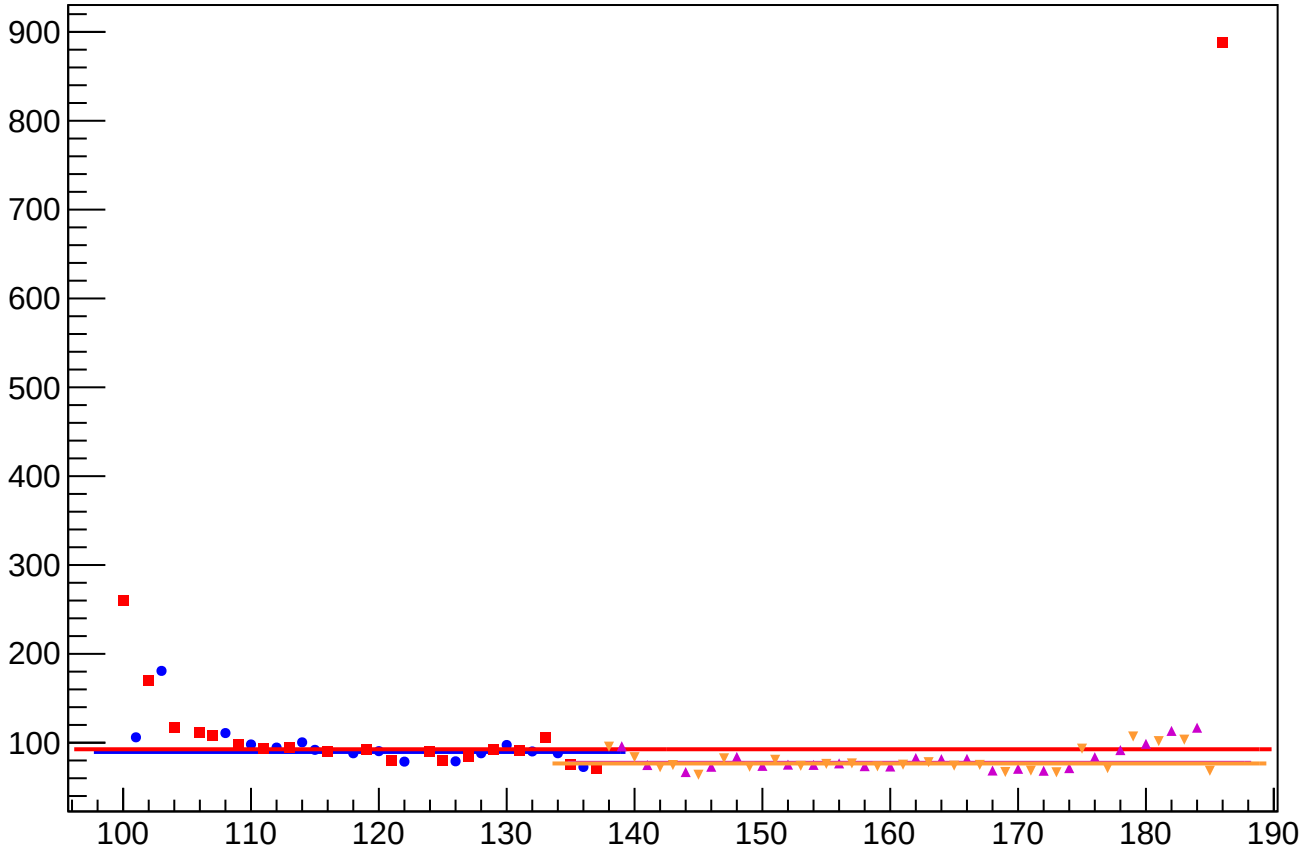
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.823+/-15.704 χ^2/NDF: 52.3/40

All: -18.200+/-11.281 χ^2/NDF: 123.5/83

- sign -69.406+/-16.216 χ^2/NDF: 51.9/42

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 92.627+/-0.025 χ^2/NDF: 1191351.6/19

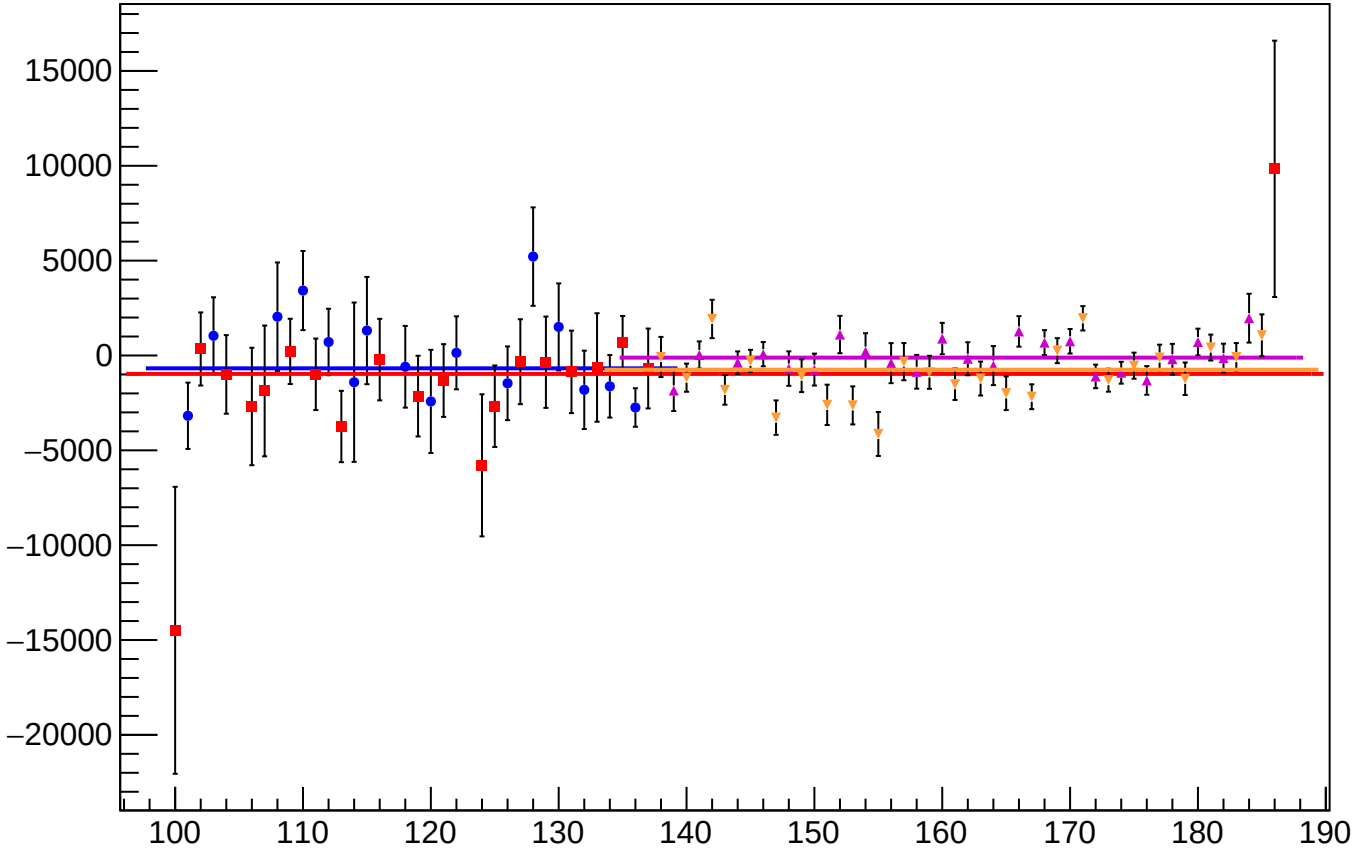
Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.365+/-0.011 χ^2/NDF: 1378707.9/40

All: 79.988+/-0.008 χ^2/NDF: 3467856.6/83

- sign 80.652+/-0.011 χ^2/NDF: 2082645.8/42

asym_sam_2468_avg_cor_correction_mean vs Slug



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -970.916+/-495.679 χ^2/NDF: 13.6/19

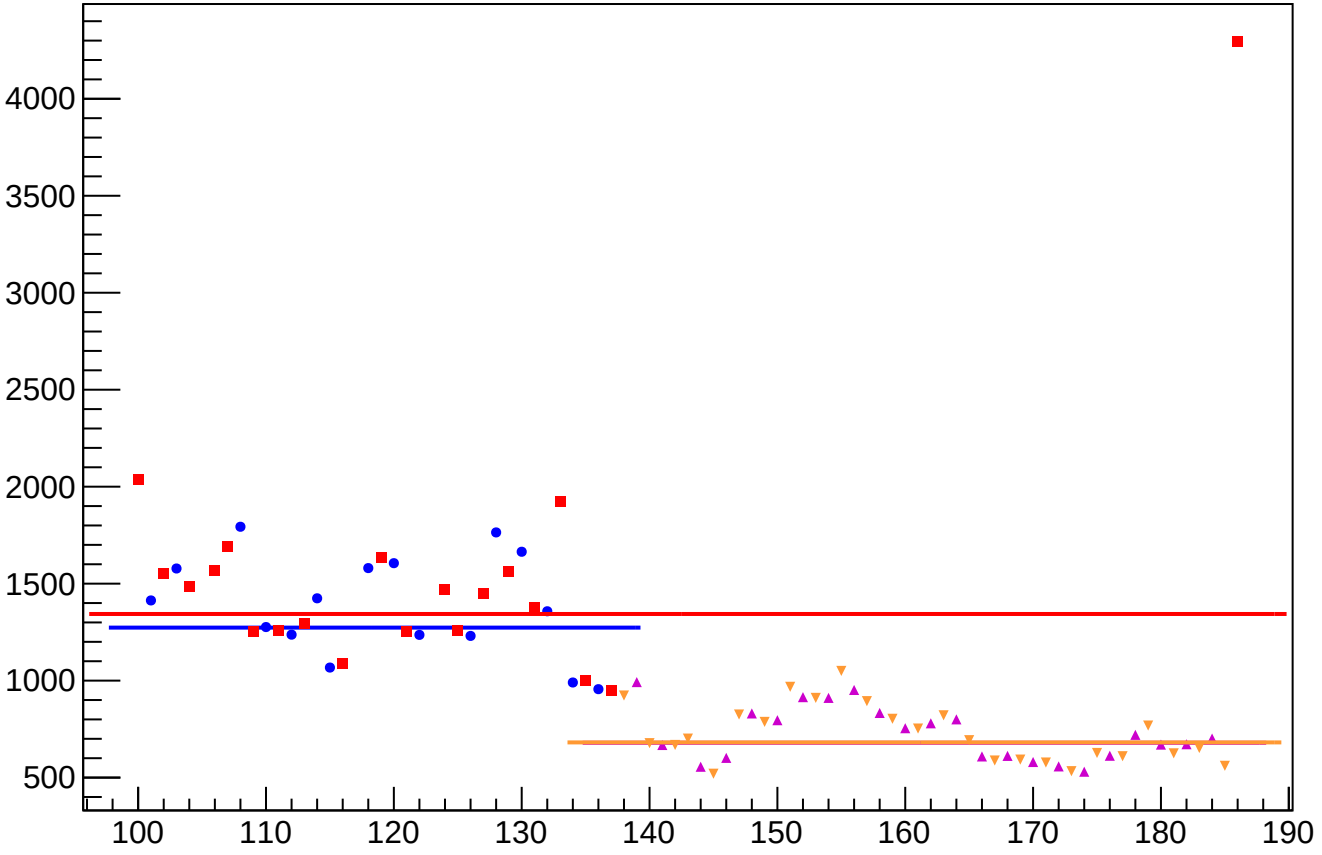
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -742.728+/-150.343 χ^2/NDF: 90.3/40

All: -475.781+/-107.517 χ^2/NDF: 138.0/83

- sign -196.340+/-153.821 χ^2/NDF: 41.3/42

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

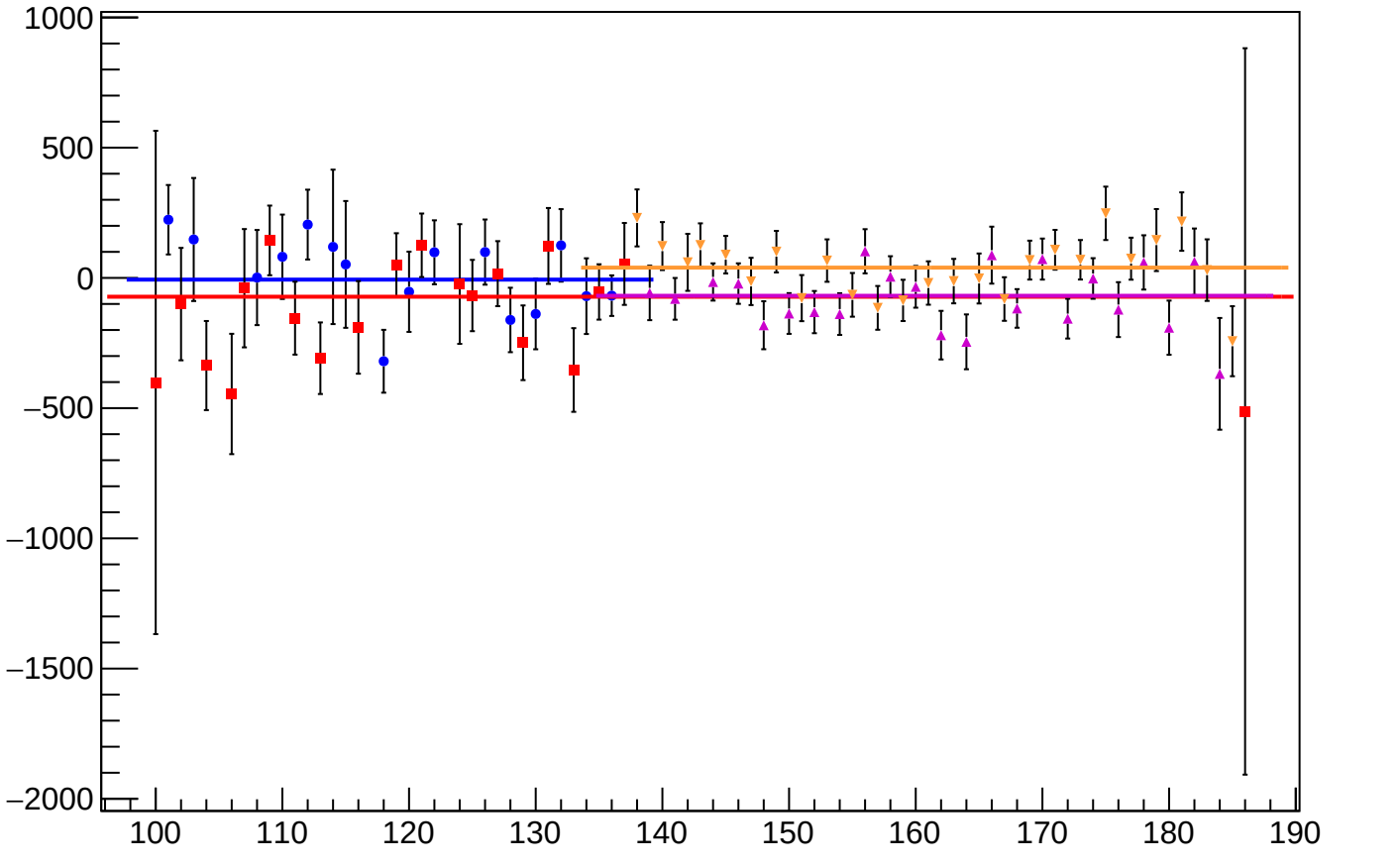
Right Out: 1343.626+/-0.350 χ^2/NDF: 842033.9/19

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 737.957+/-0.106 χ^2/NDF: 4609702.9/40

All: 740.605+/-0.076 χ^2/NDF: 9883669.4/83

- sign 743.378+/-0.109 χ^2/NDF: 5272695.9/42



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -72.256+/-34.874 χ^2/NDF: 22.9/19

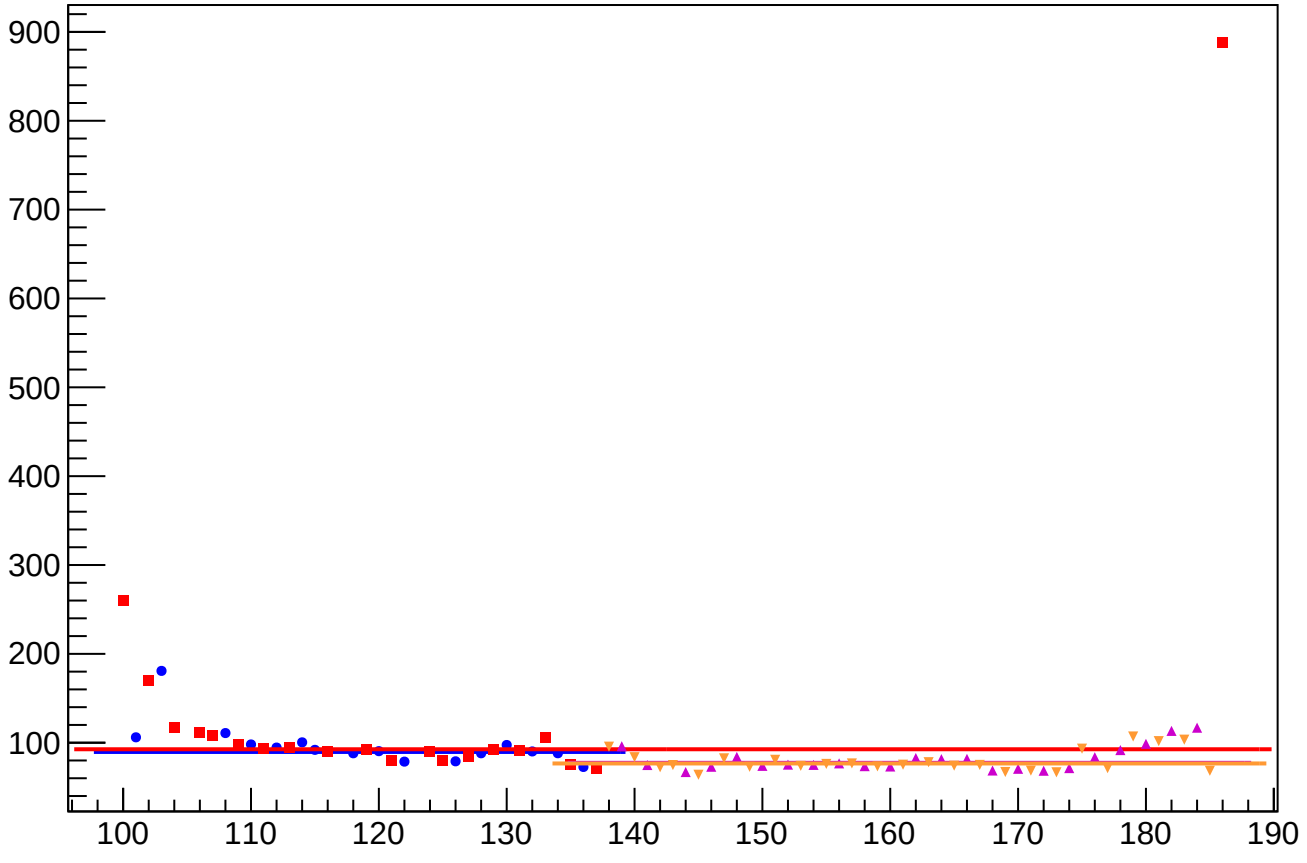
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.823+/-15.704 χ^2/NDF: 52.3/40

All: -18.200+/-11.281 χ^2/NDF: 123.5/83

- sign -69.406+/-16.216 χ^2/NDF: 51.9/42

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

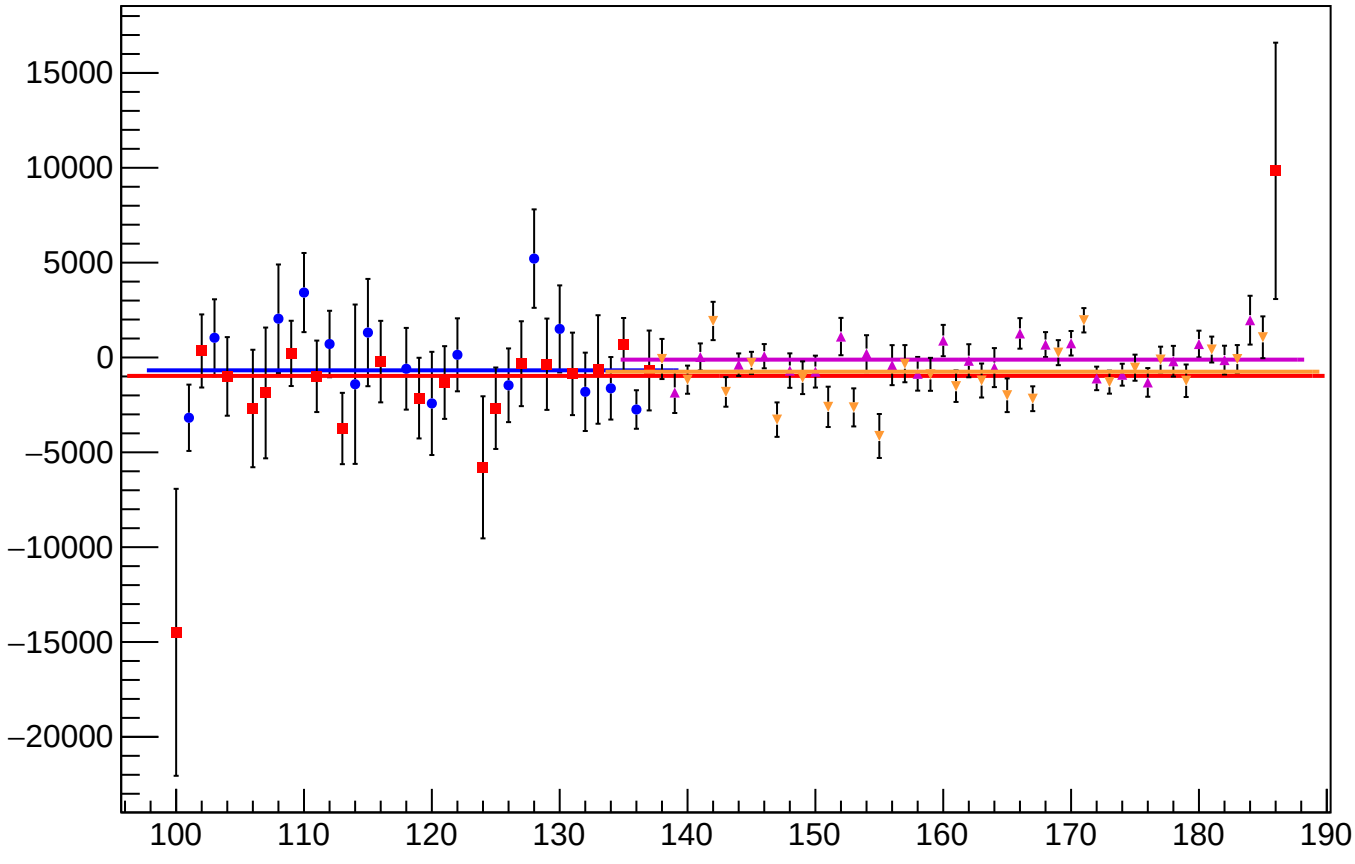
Right Out: 92.627+/-0.025 χ^2/NDF: 1191351.6/19

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.365+/-0.011 χ^2/NDF: 1378707.9/40

All: 79.988+/-0.008 χ^2/NDF: 3467856.6/83

- sign 80.652+/-0.011 χ^2/NDF: 2082645.8/42



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

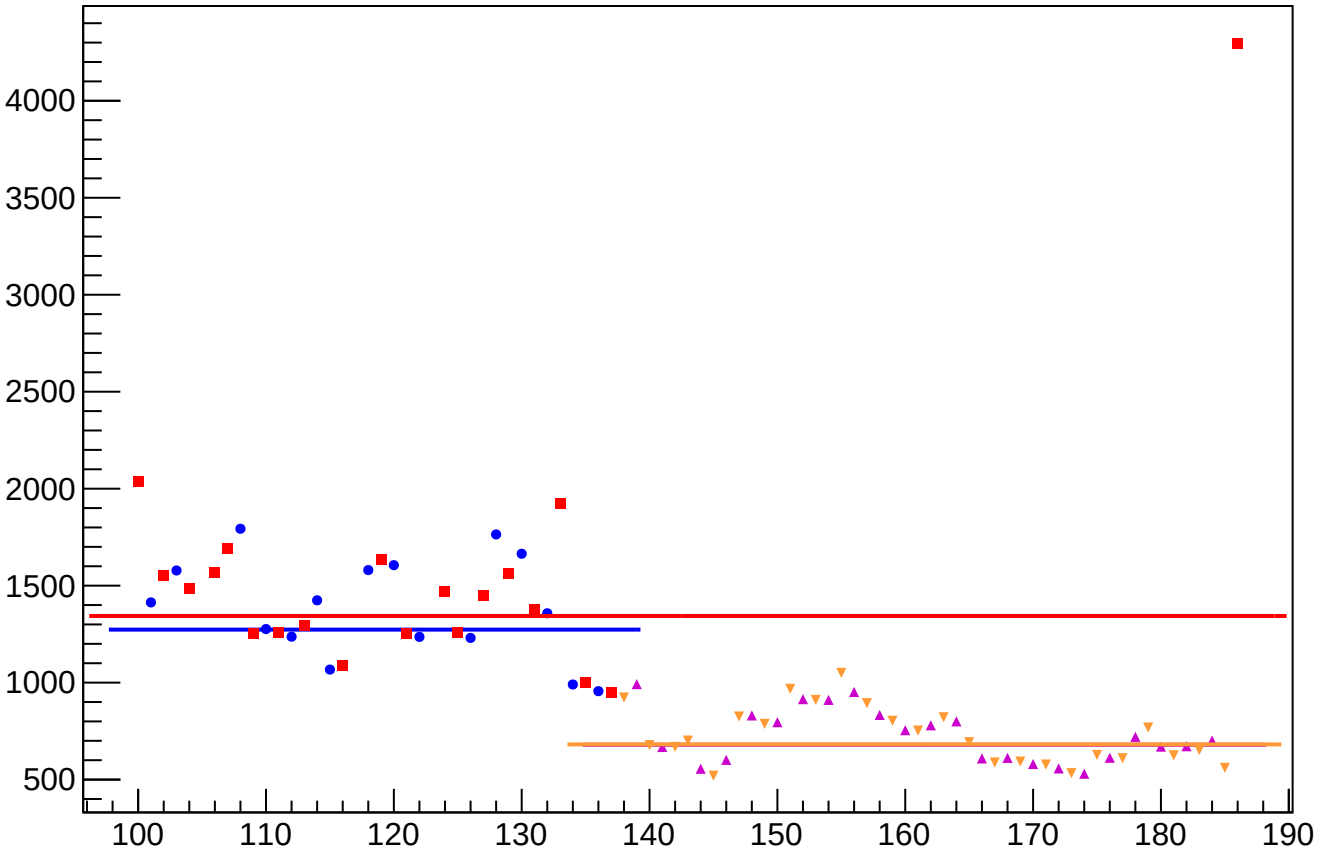
Right Out: -970.916+/-495.679 χ^2/NDF: 13.6/19

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -742.728+/-150.343 χ^2/NDF: 90.3/40

All: -475.781+/-107.517 χ^2/NDF: 138.0/83

- sign -196.340+/-153.821 χ^2/NDF: 41.3/42



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1343.626+/-0.350 χ^2/NDF: 842033.9/19

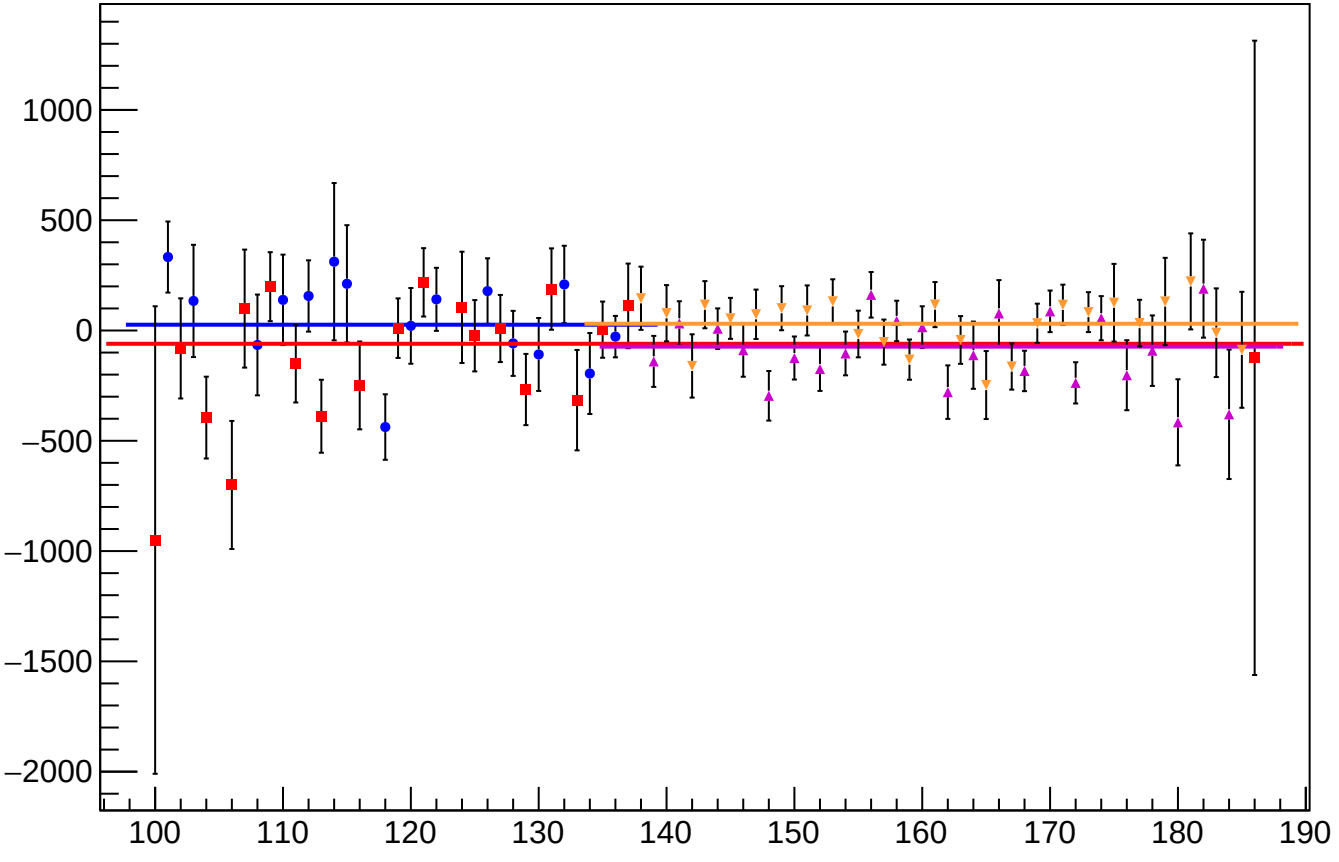
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 737.957+/-0.106 χ^2/NDF: 4609702.9/40

All: 740.605+/-0.076 χ^2/NDF: 9883669.4/83

- sign 743.378+/-0.109 χ^2/NDF: 5272695.9/42

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -60.172+/-41.511 χ^2/NDF: 27.0/19

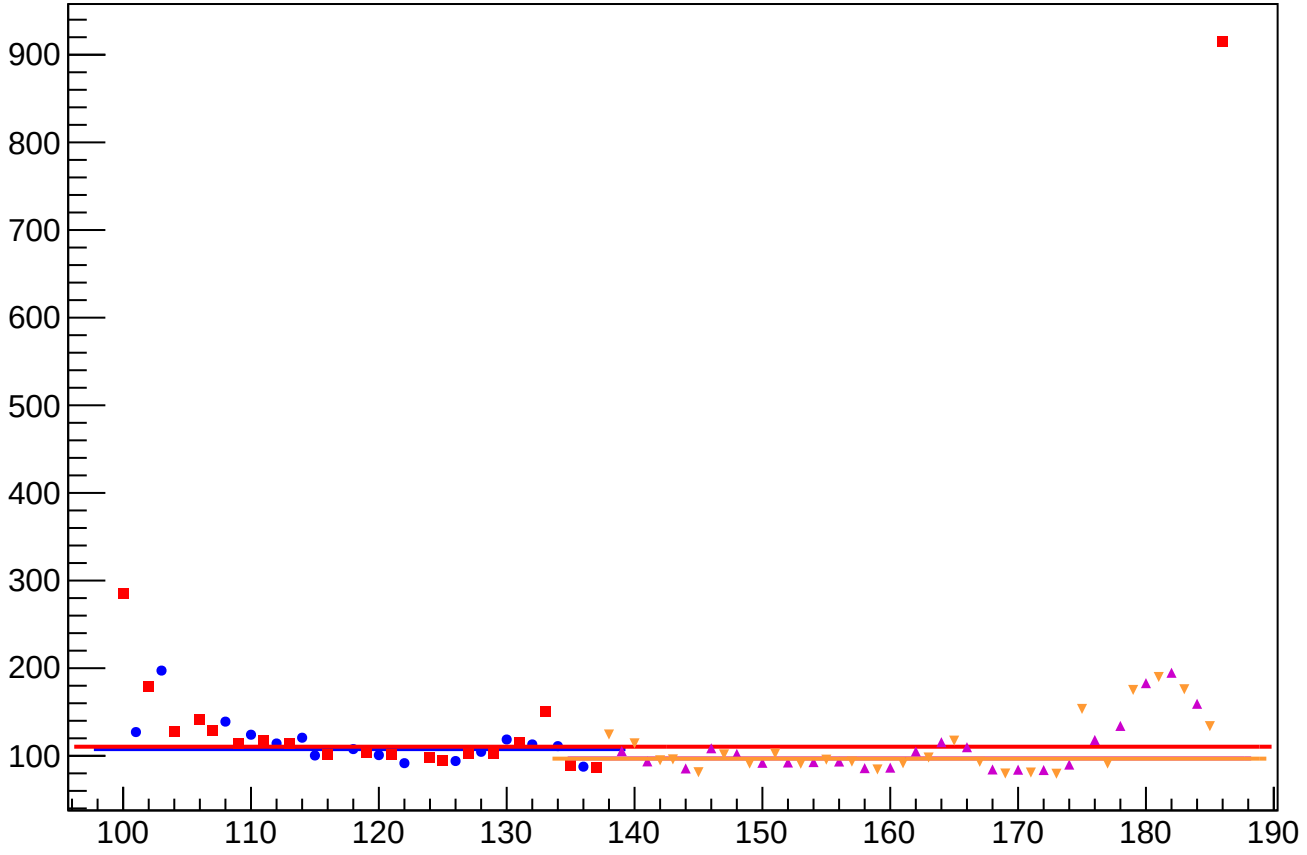
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 29.642+/-19.989 χ^2/NDF: 41.3/40

All: -19.023+/-14.297 χ^2/NDF: 115.0/83

- sign -69.996+/-20.457 χ^2/NDF: 61.6/42

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

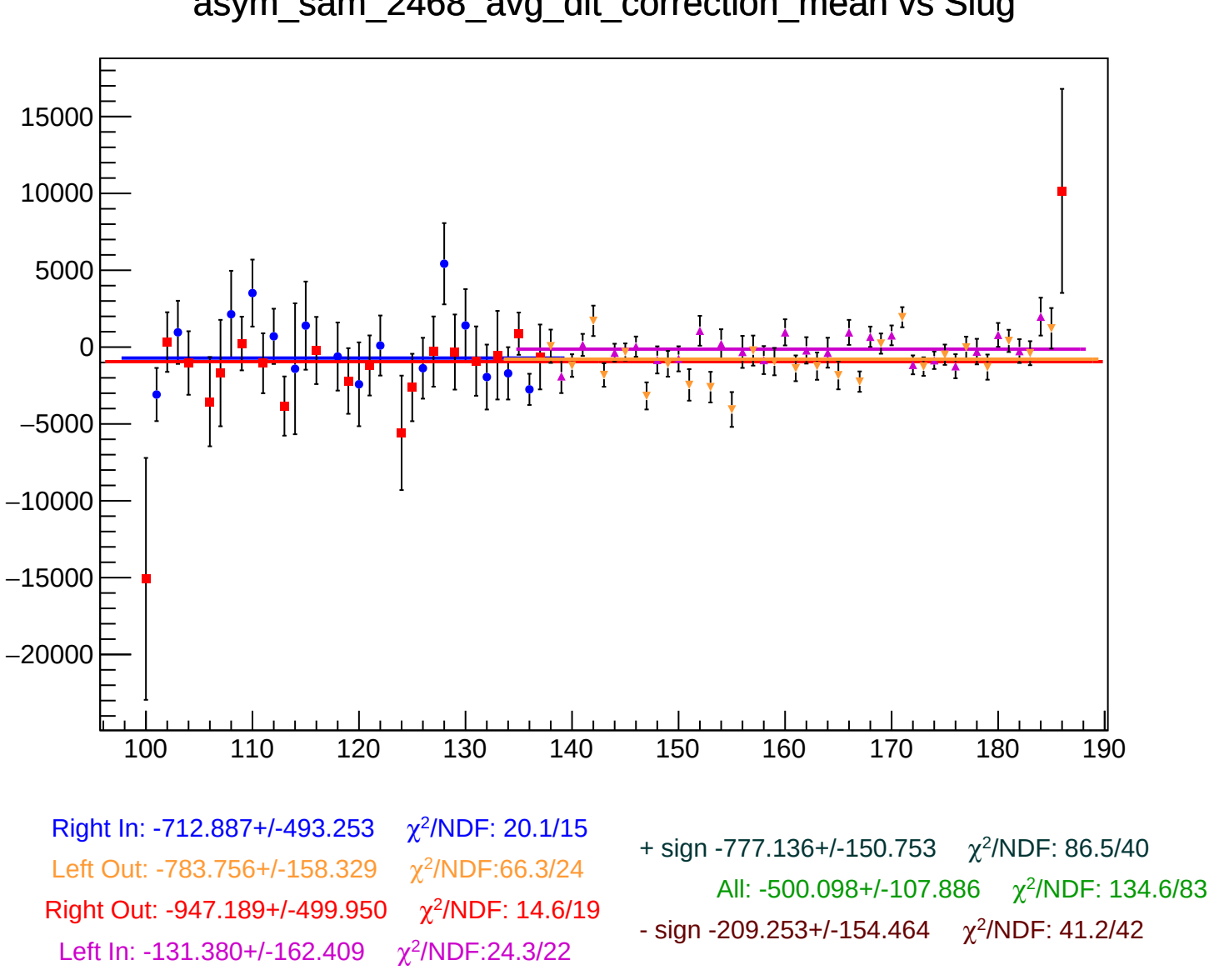
Right Out: 110.411+/-0.029 χ^2/NDF: 1118586.5/19

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

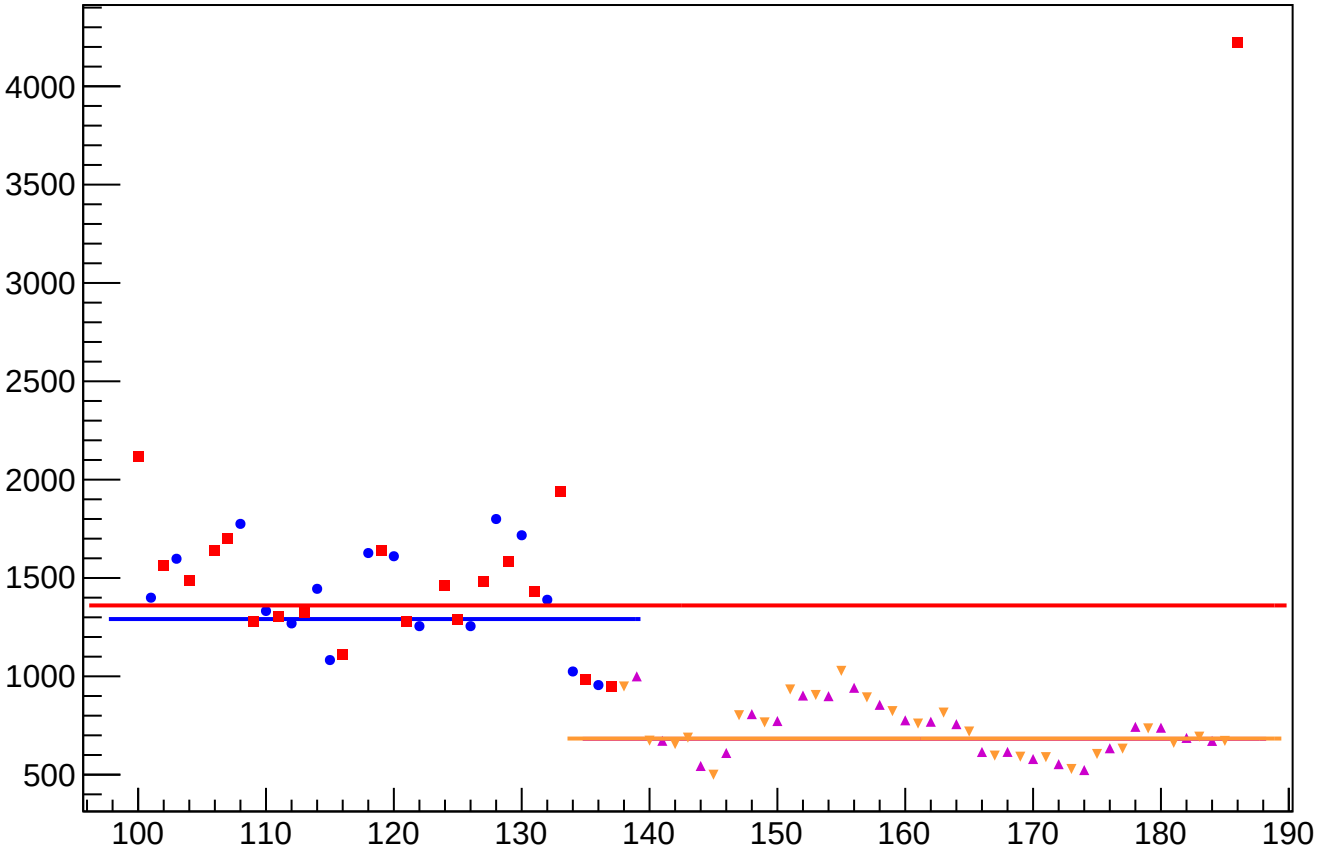
+ sign 99.354+/-0.014 χ^2/NDF: 2310222.0/40

All: 99.801+/-0.010 χ^2/NDF: 4909695.6/83

- sign 100.270+/-0.014 χ^2/NDF: 2597424.9/42


asym_sam_2468_avg_dit_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -712.887+/-493.253 χ²/NDF: 20.1/15
Left Out: -783.756+/-158.329 χ²/NDF:66.3/24
Right Out: -947.189+/-499.950 χ²/NDF: 14.6/19
Left In: -131.380+/-162.409 χ²/NDF:24.3/22
+ sign -777.136+/-150.753 χ²/NDF: 86.5/40
All: -500.098+/-107.886 χ²/NDF: 134.6/83
- sign -209.253+/-154.464 χ²/NDF: 41.2/42

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1360.441+/-0.354 χ^2/NDF: 864719.0/19

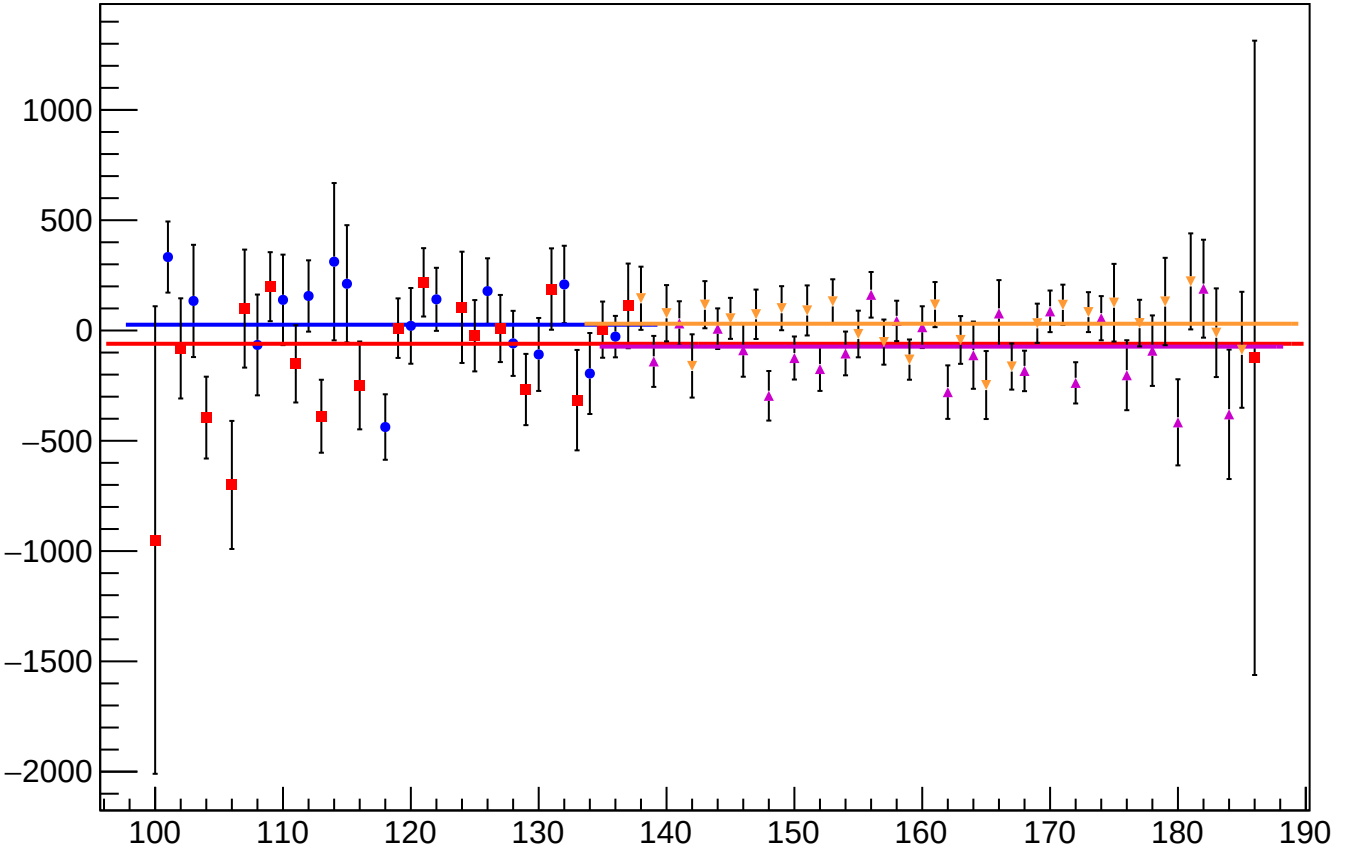
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 740.447+/-0.107 χ^2/NDF: 4659486.0/40

All: 743.510+/-0.076 χ^2/NDF: 10043840.8/83

- sign 746.726+/-0.109 χ^2/NDF: 5382661.9/42

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -60.171+/-41.511 χ^2/NDF: 27.0/19

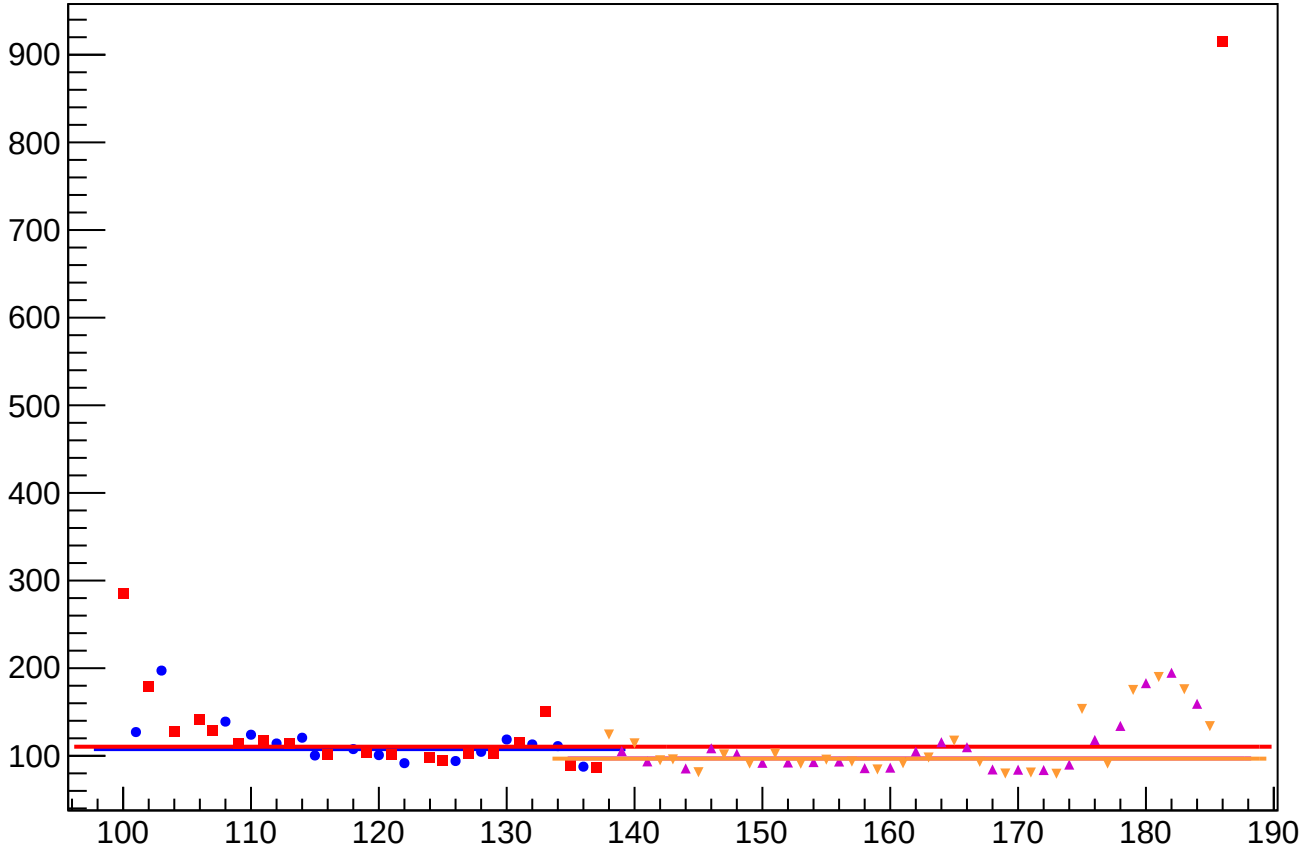
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 29.642+/-19.989 χ^2/NDF: 41.3/40

All: -19.022+/-14.297 χ^2/NDF: 115.0/83

- sign -69.995+/-20.457 χ^2/NDF: 61.6/42

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

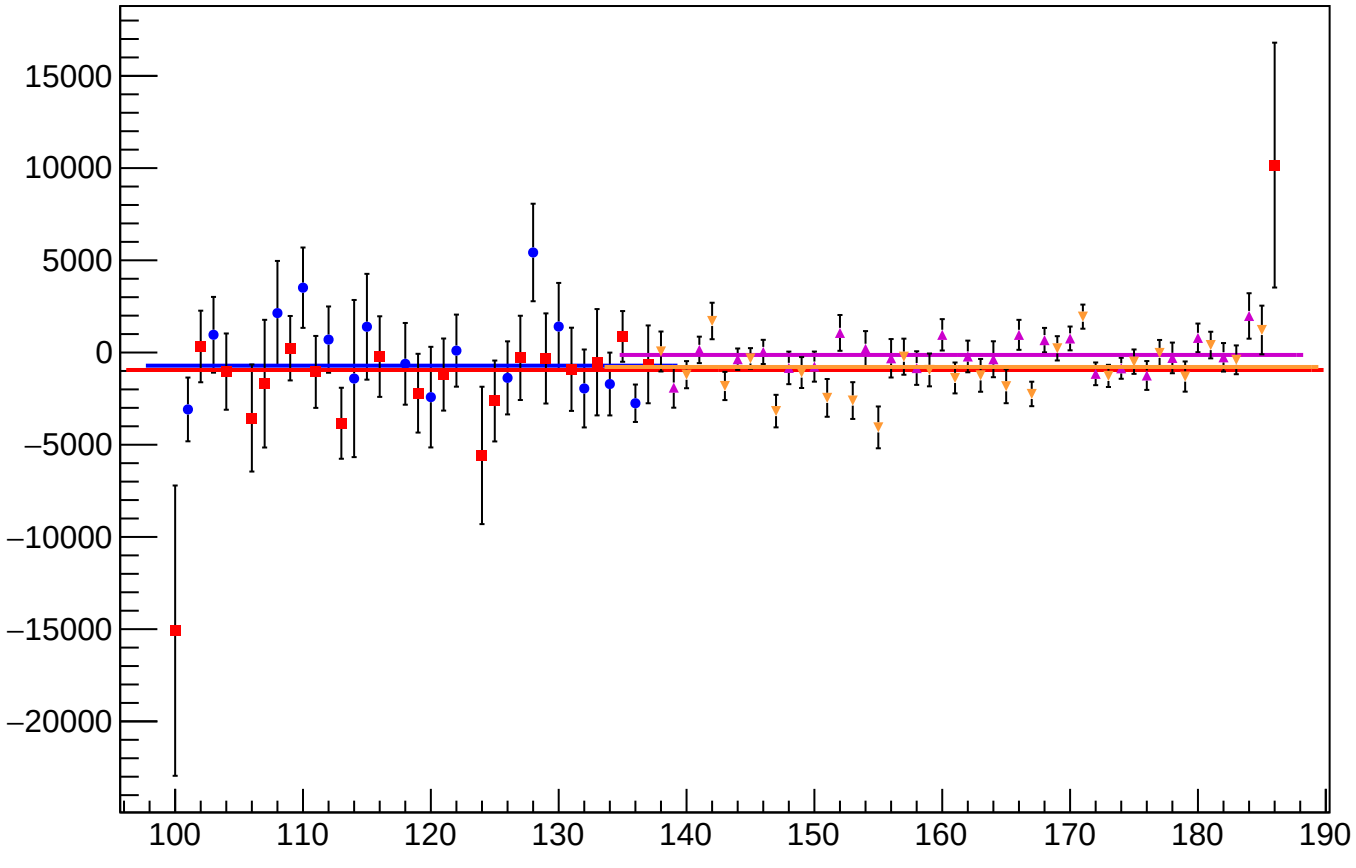
Right Out: 110.410+/-0.029 χ^2/NDF: 1118584.6/19

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 99.354+/-0.014 χ^2/NDF: 2310189.3/40

All: 99.801+/-0.010 χ^2/NDF: 4909623.8/83

- sign 100.270+/-0.014 χ^2/NDF: 2597385.6/42



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: -947.188+/-499.949 χ^2/NDF: 14.6/19

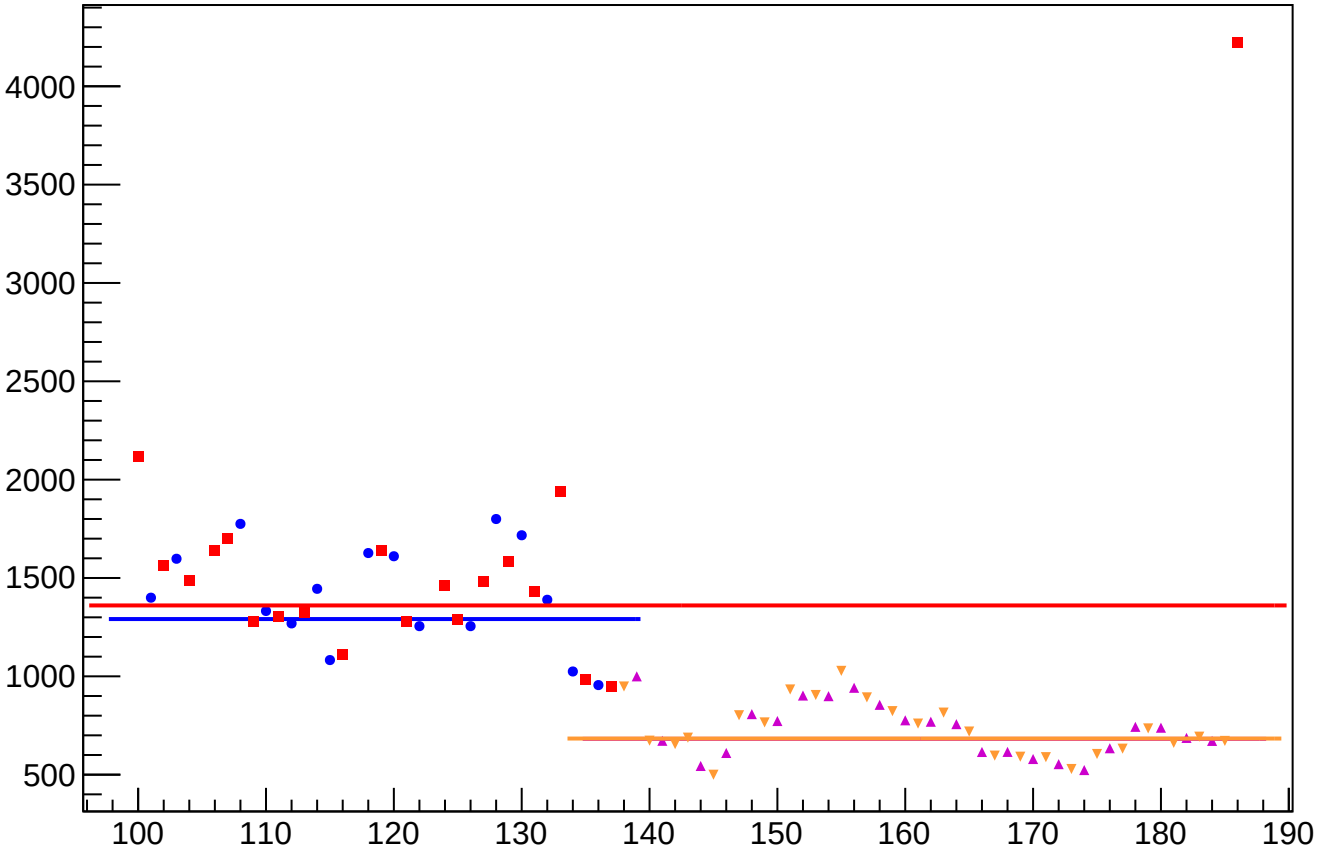
Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -777.134+/-150.752 χ^2/NDF: 86.5/40

All: -500.097+/-107.886 χ^2/NDF: 134.6/83

- sign -209.253+/-154.463 χ^2/NDF: 41.2/42

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1360.437+/-0.354 χ^2/NDF: 864718.7/19

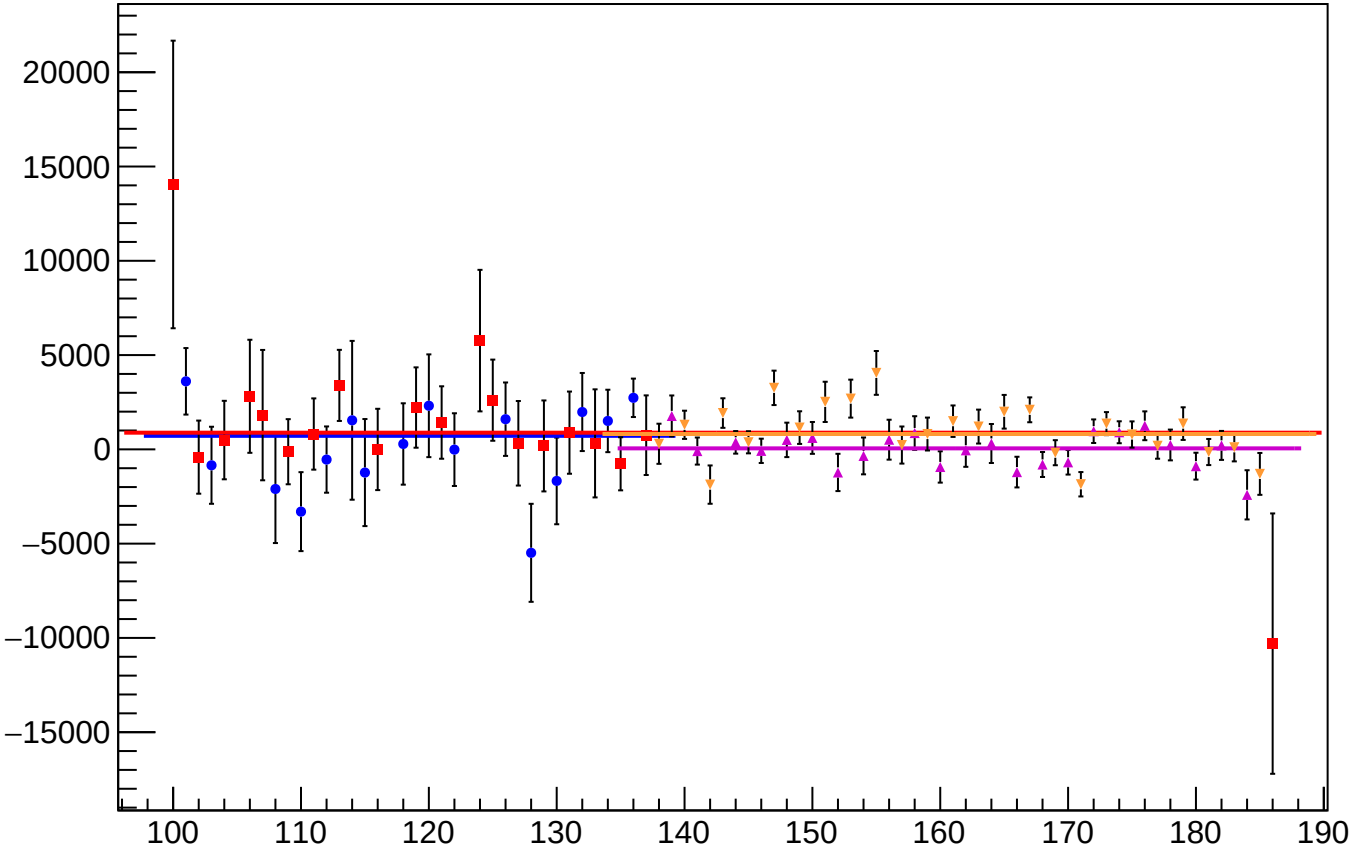
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 740.445+/-0.107 χ^2/NDF: 4659490.2/40

All: 743.508+/-0.076 χ^2/NDF: 10043845.2/83

- sign 746.724+/-0.109 χ^2/NDF: 5382662.3/42

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 884.092+/-496.761 χ^2/NDF: 13.2/19

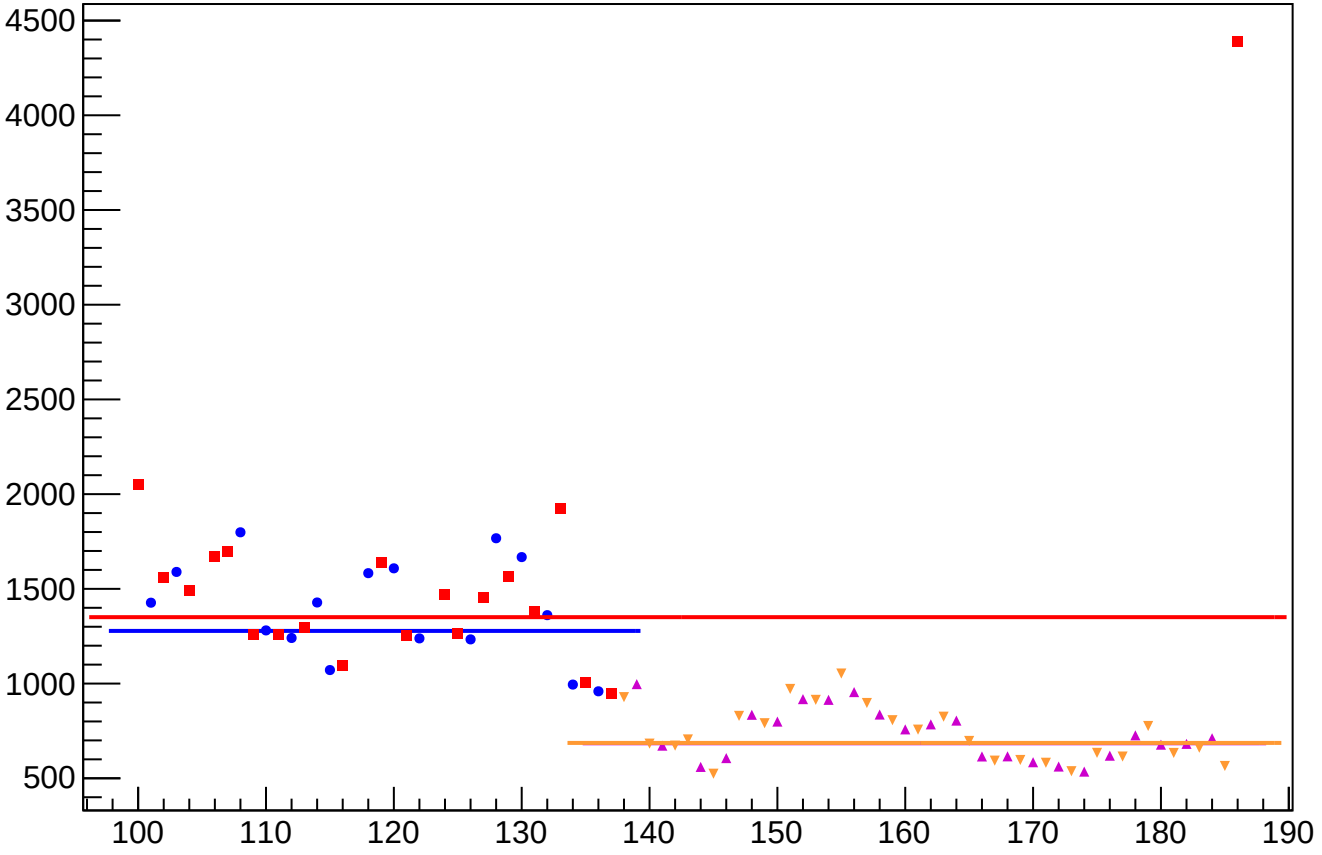
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 804.792+/-151.405 χ^2/NDF: 86.8/40

All: 476.659+/-108.276 χ^2/NDF: 137.5/83

- sign 133.174+/-154.906 χ^2/NDF: 41.1/42

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1350.587+/-0.351 χ^2/NDF: 861277.6/19

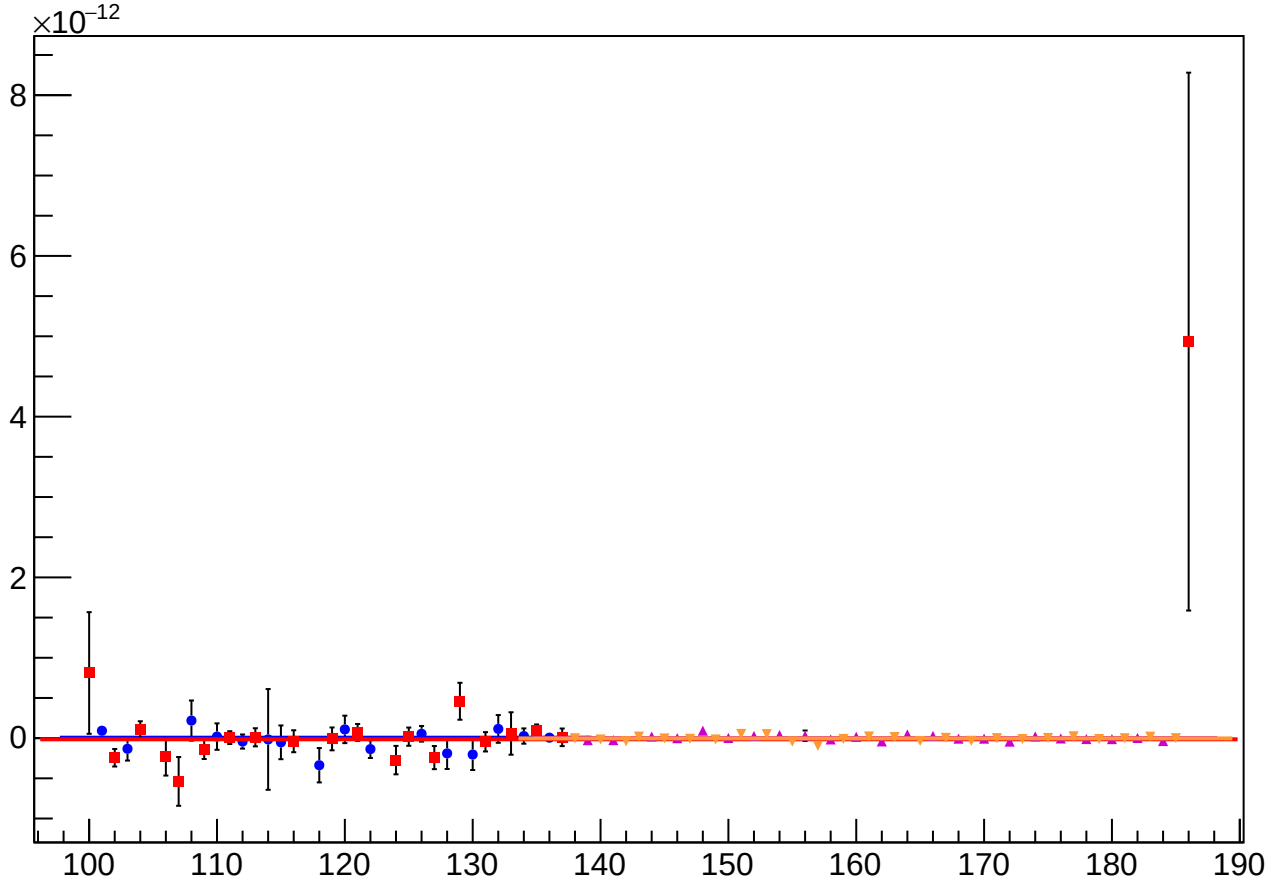
Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 743.560+/-0.107 χ^2/NDF: 4561080.7/40

All: 746.466+/-0.077 χ^2/NDF: 9832666.4/83

- 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: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

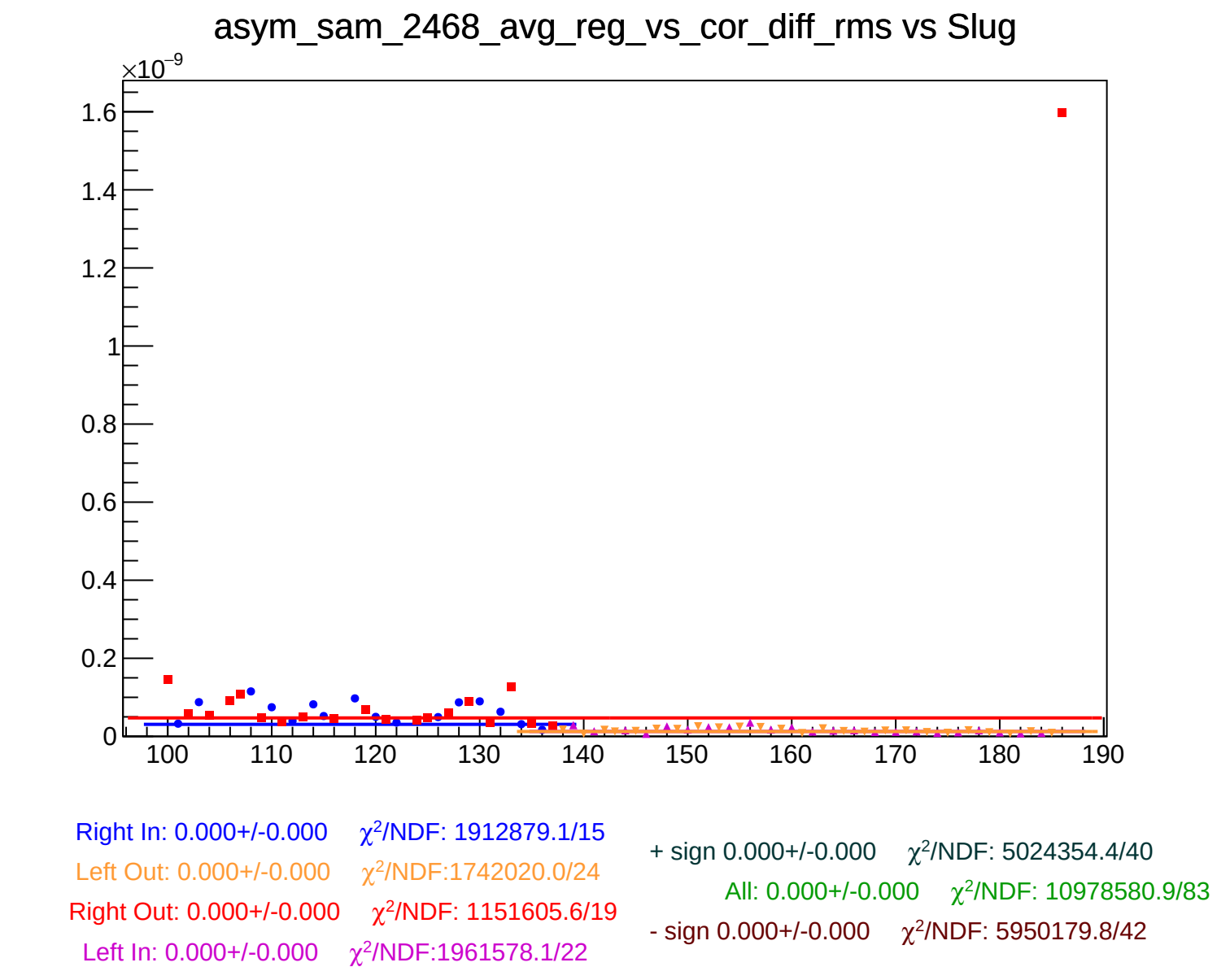
Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/19

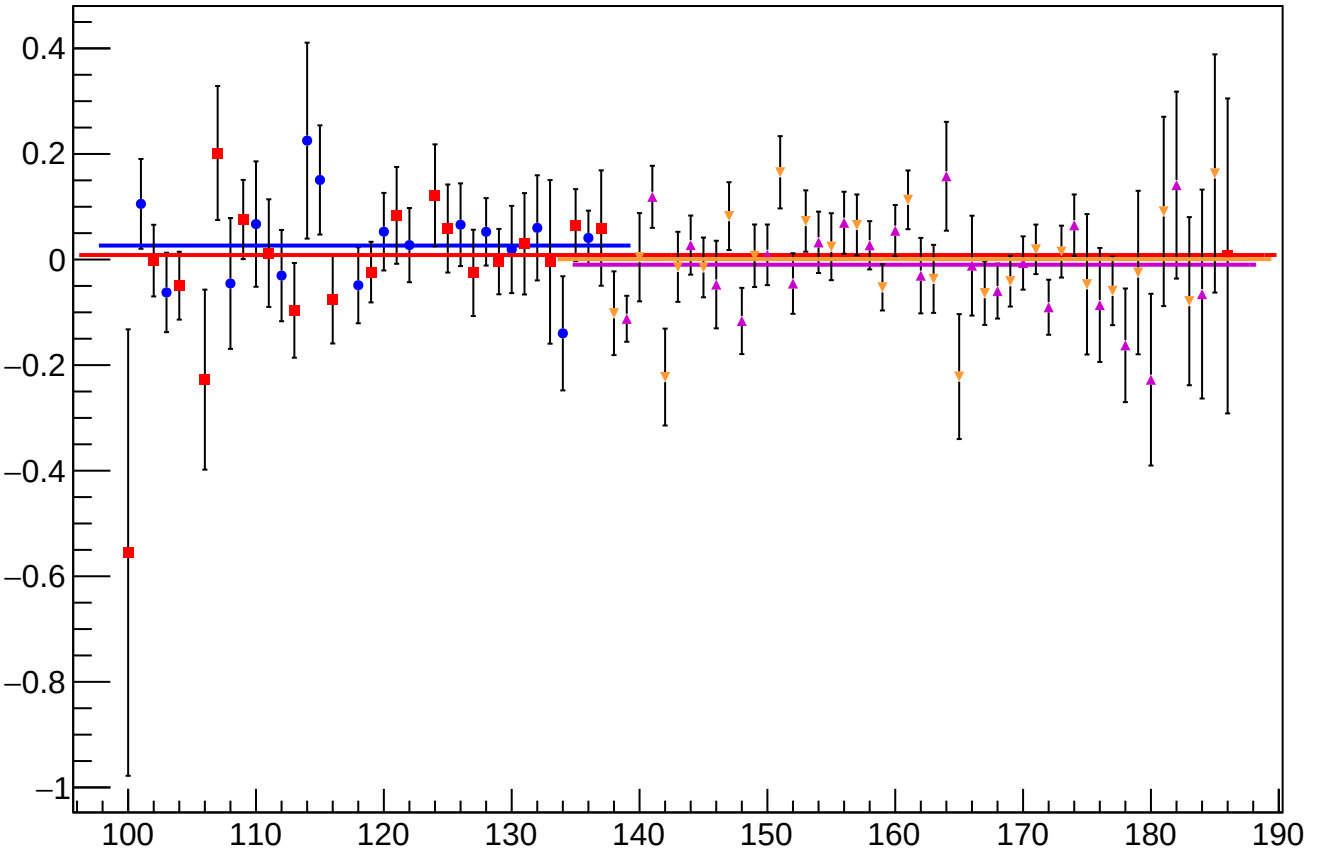
Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 28.3/40

All: -0.000+/-0.000 χ^2/NDF: 75.1/83

- 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: 1912879.1/15
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: 5024354.4/40
All: 0.000+/-0.000 χ²/NDF: 10978580.9/83
- sign 0.000+/-0.000 χ²/NDF: 5950179.8/42



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/19

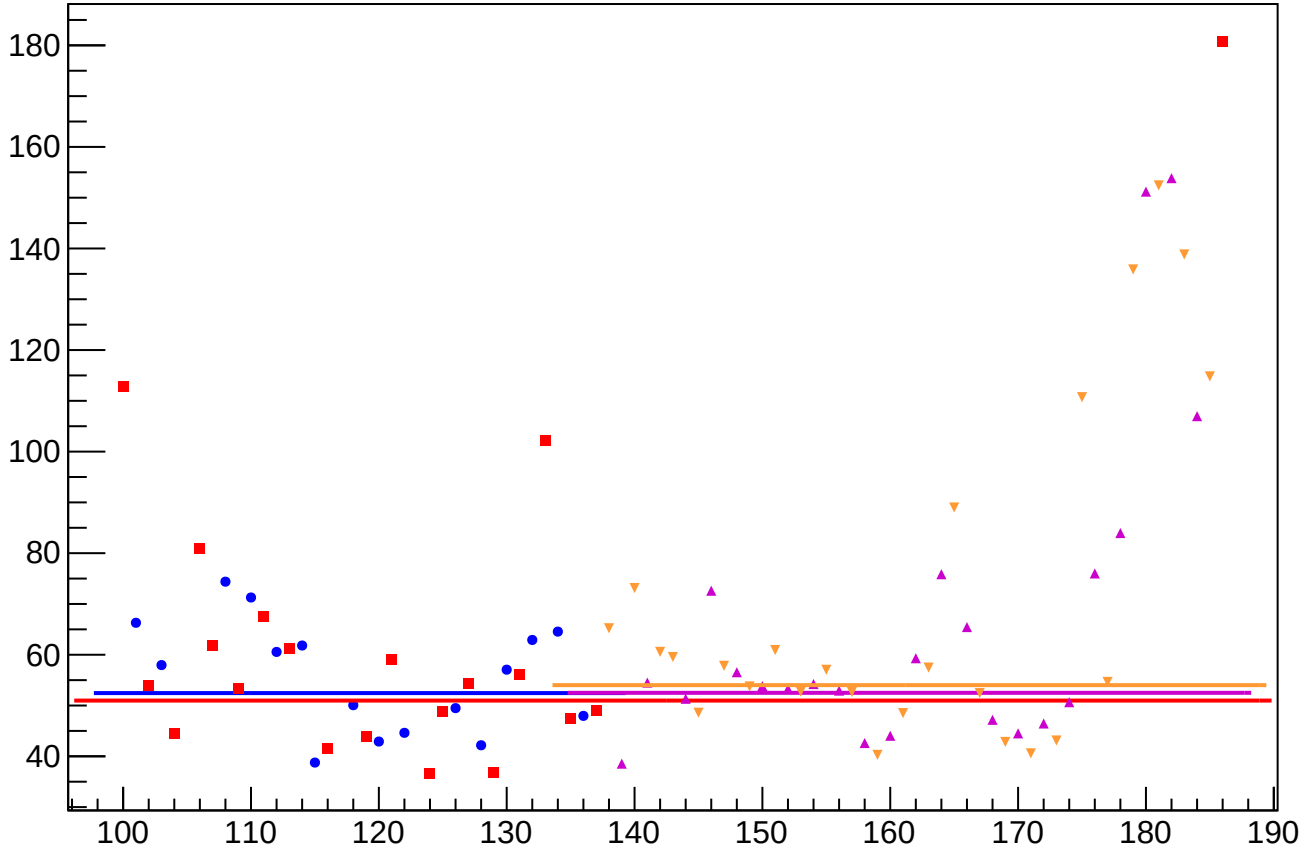
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.008+/-0.011 χ^2/NDF: 42.7/40

All: 0.002+/-0.008 χ^2/NDF: 89.8/83

- sign -0.004+/-0.011 χ^2/NDF: 46.5/42

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

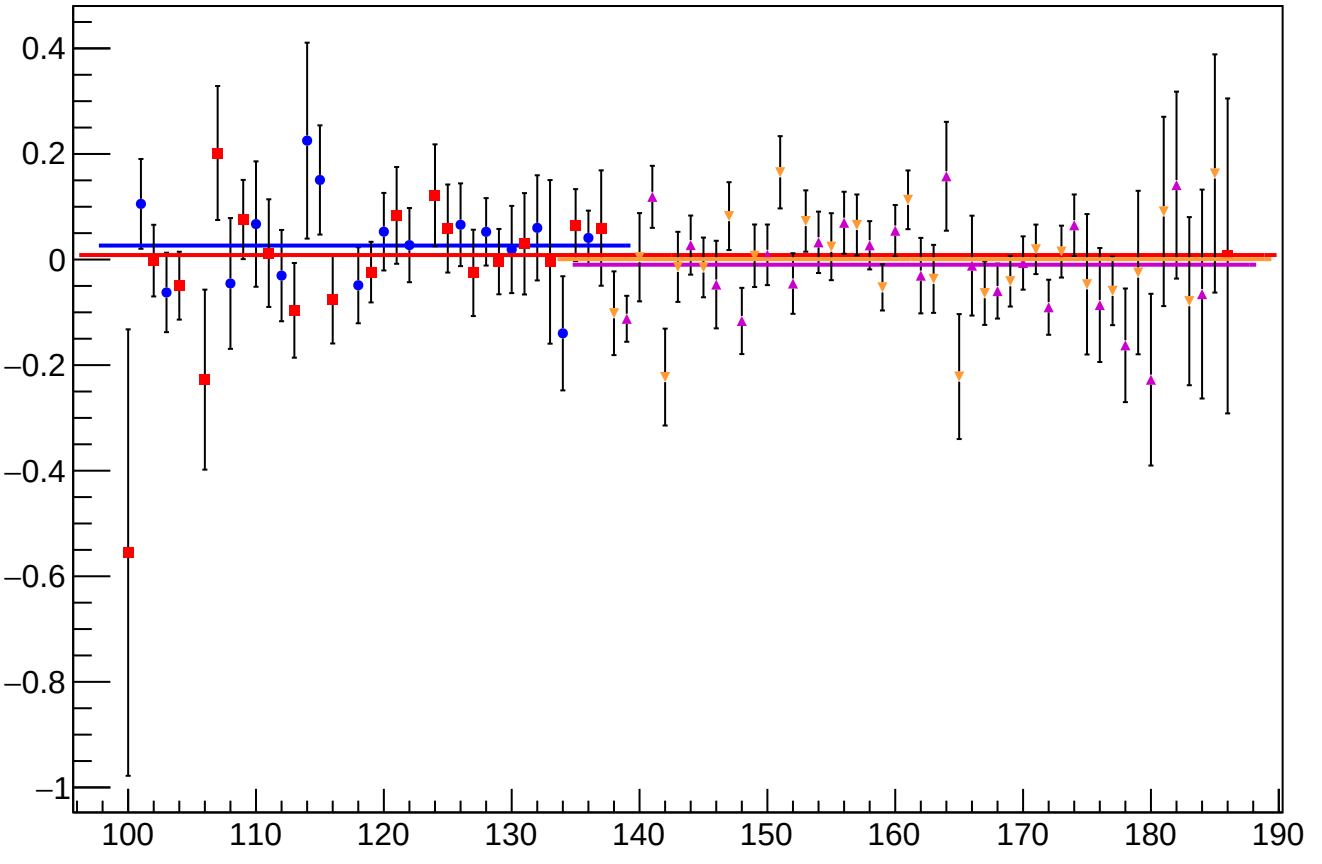
Right Out: 50.976+/-0.014 χ^2/NDF: 1056580.3/19

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.551+/-0.008 χ^2/NDF: 3653829.9/40

All: 52.773+/-0.006 χ^2/NDF: 7295925.3/83

- sign 52.019+/-0.008 χ^2/NDF: 3622773.6/42



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

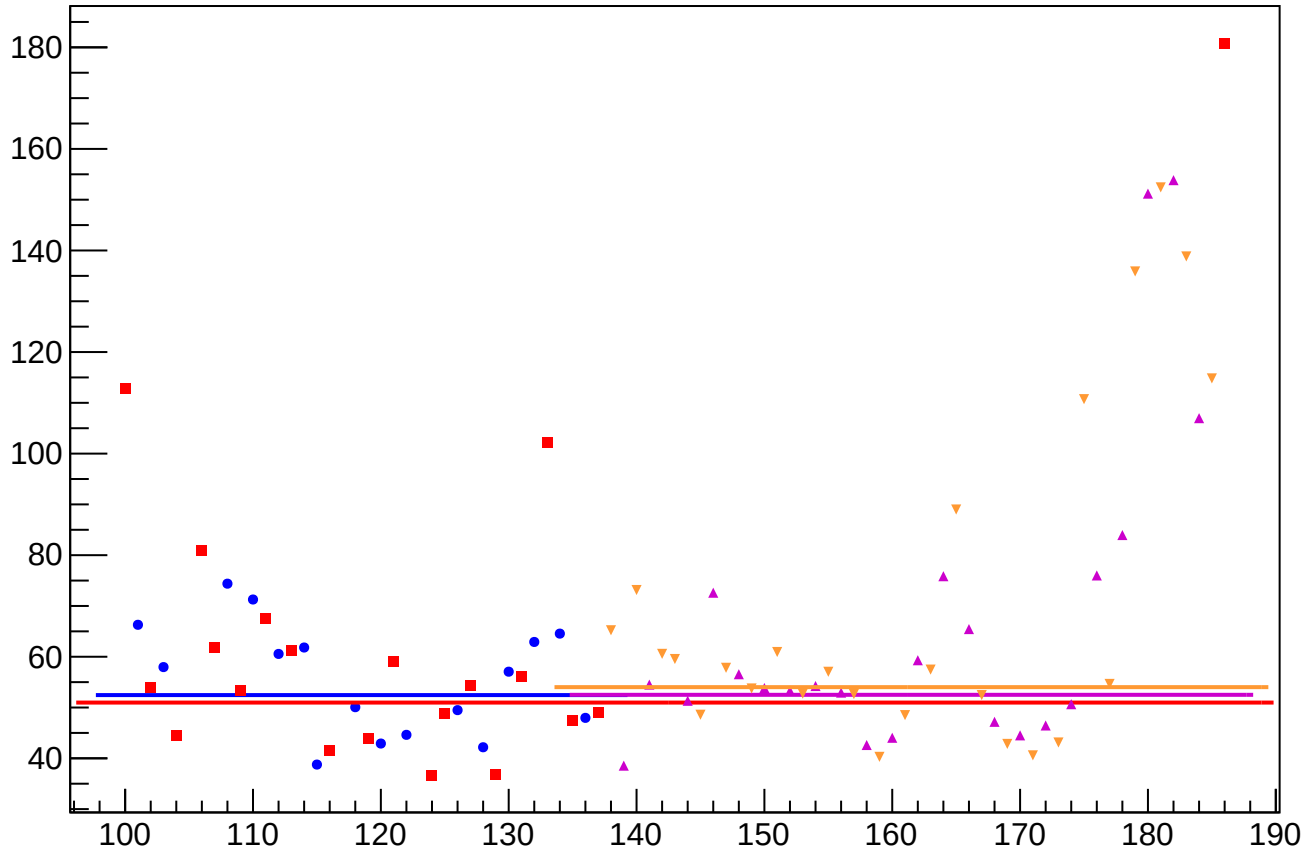
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/19

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.008+/-0.011 χ^2/NDF: 42.7/40

All: 0.002+/-0.008 χ^2/NDF: 89.8/83

- sign -0.004+/-0.011 χ^2/NDF: 46.5/42



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

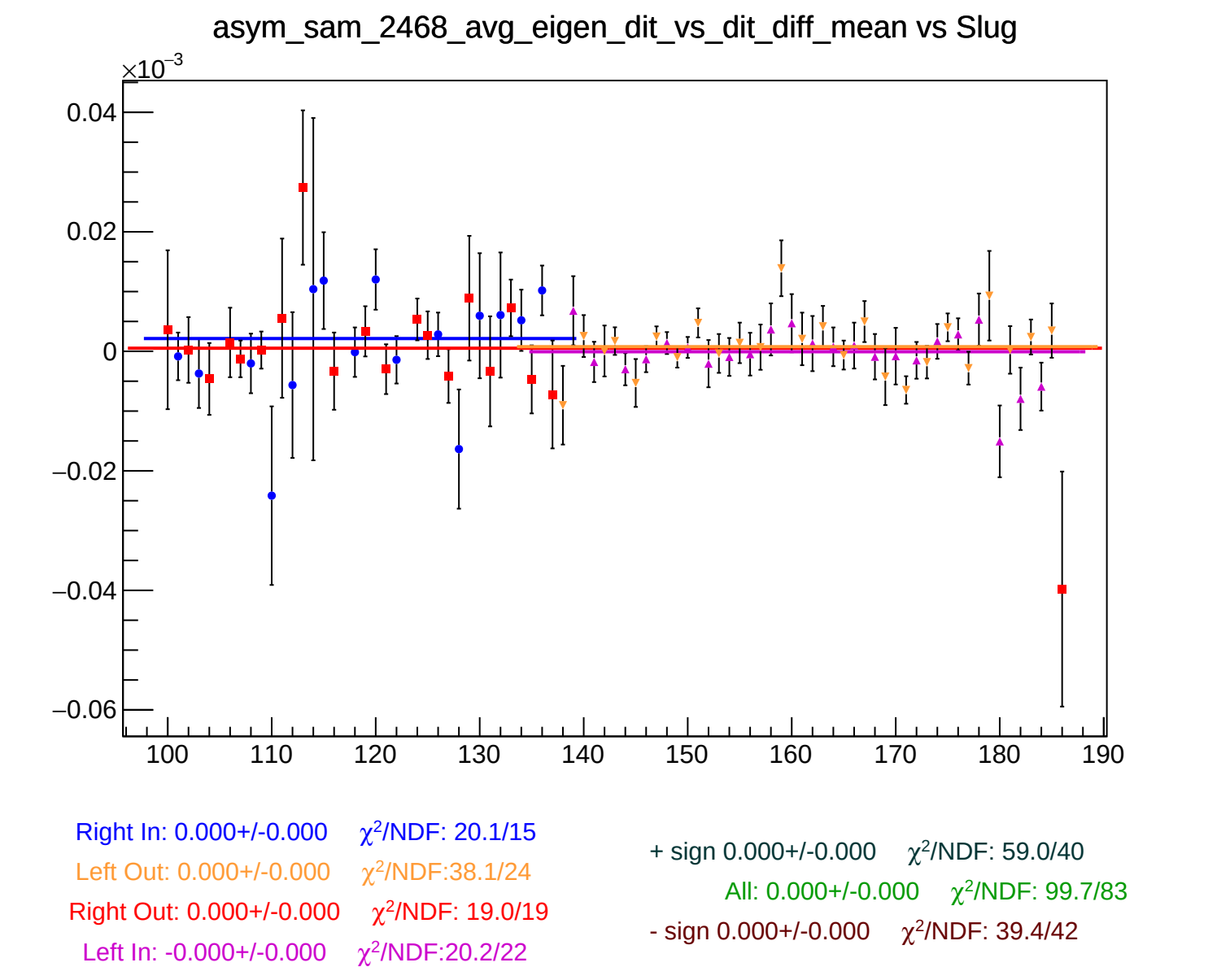
Right Out: 50.976+/-0.014 χ^2/NDF: 1056580.3/19

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

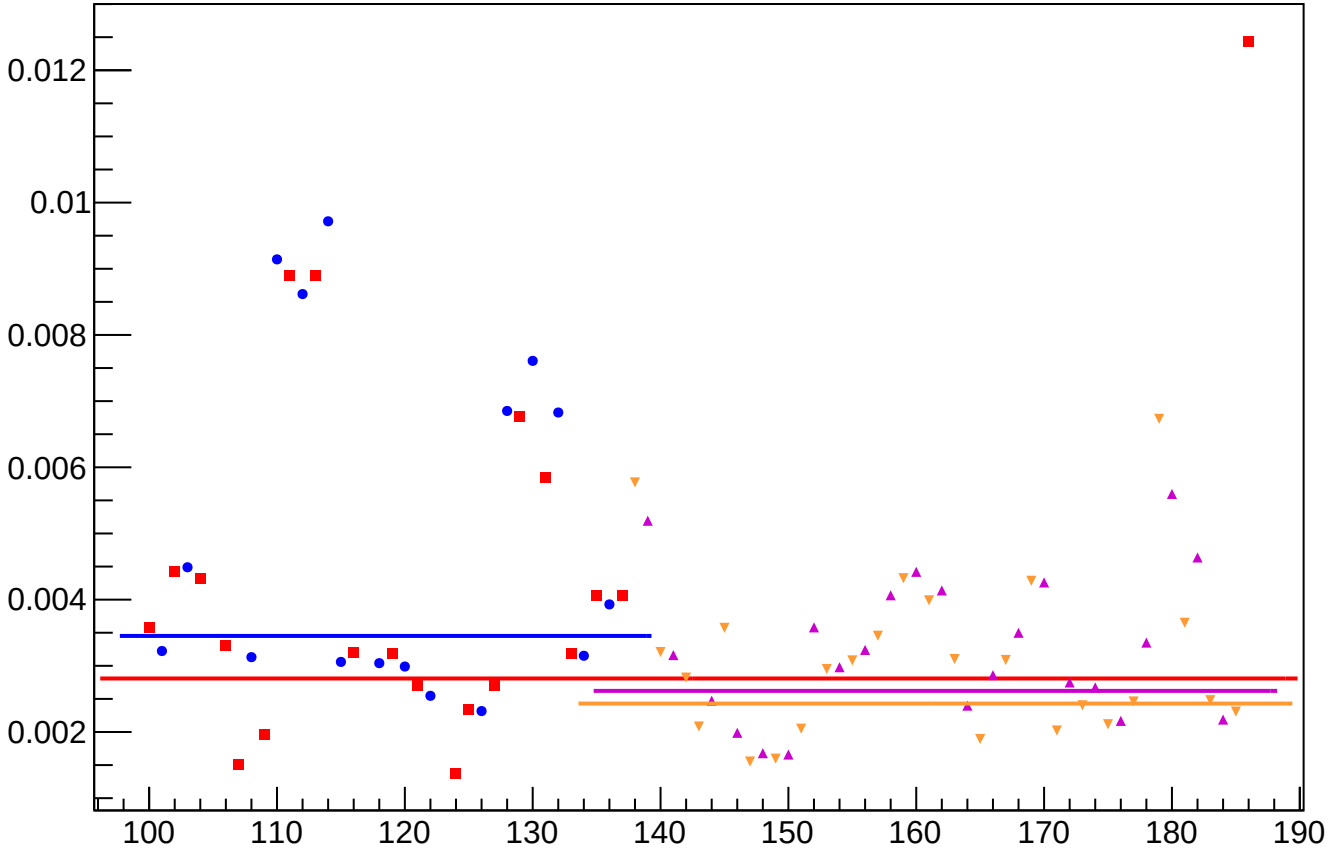
+ sign 53.551+/-0.008 χ^2/NDF: 3653829.9/40

All: 52.773+/-0.006 χ^2/NDF: 7295925.3/83

- sign 52.019+/-0.008 χ^2/NDF: 3622773.6/42


asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
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: 20.1/15
Left Out: 0.000+/-0.000 χ²/NDF:38.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.0/19
Left In: -0.000+/-0.000 χ²/NDF:20.2/22
+ sign 0.000+/-0.000 χ²/NDF: 59.0/40
All: 0.000+/-0.000 χ²/NDF: 99.7/83
- sign 0.000+/-0.000 χ²/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: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

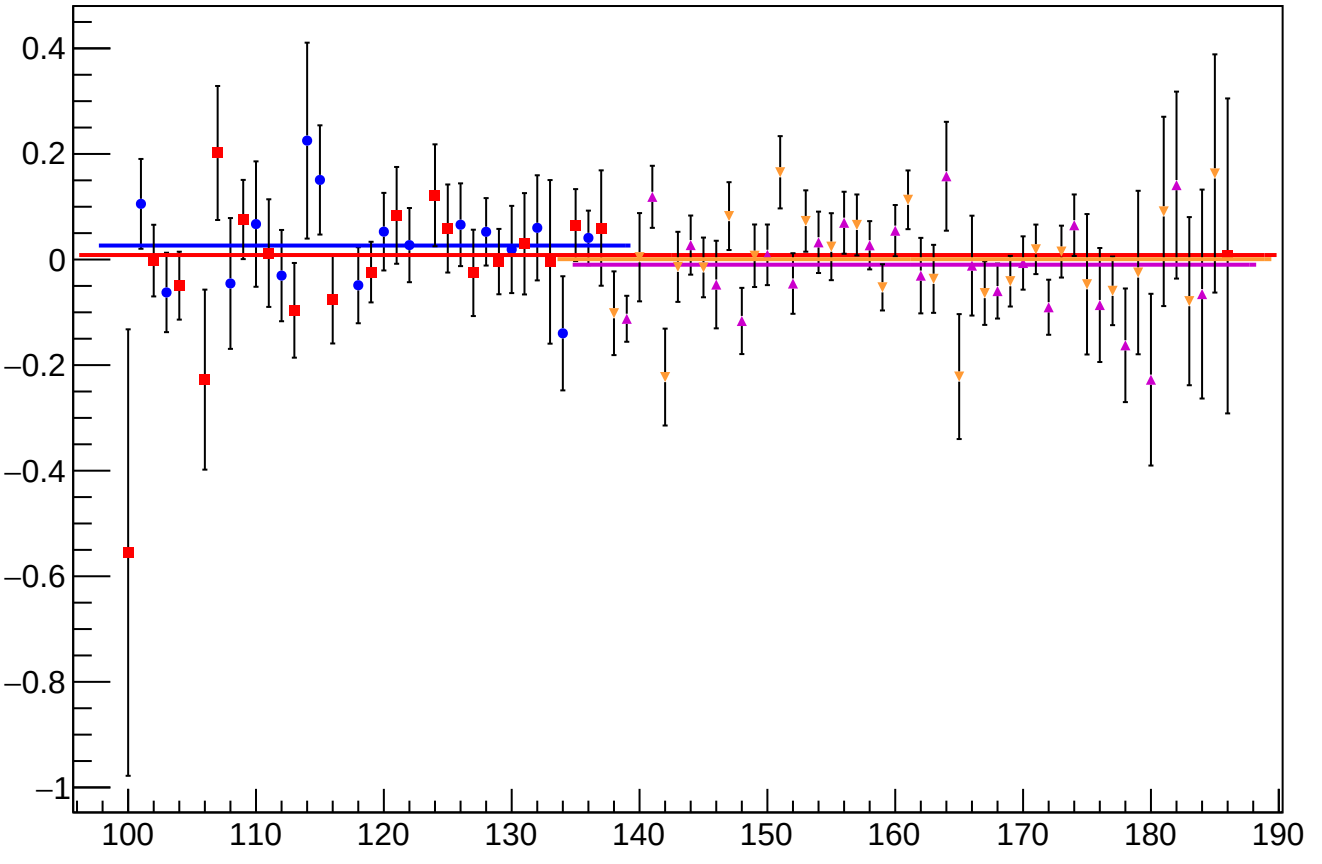
Right Out: 0.003+/-0.000 χ^2/NDF: 3215576.4/19

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 7089953.0/40

All: 0.003+/-0.000 χ^2/NDF: 14322074.6/83

- sign 0.003+/-0.000 χ^2/NDF: 7211008.1/42



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

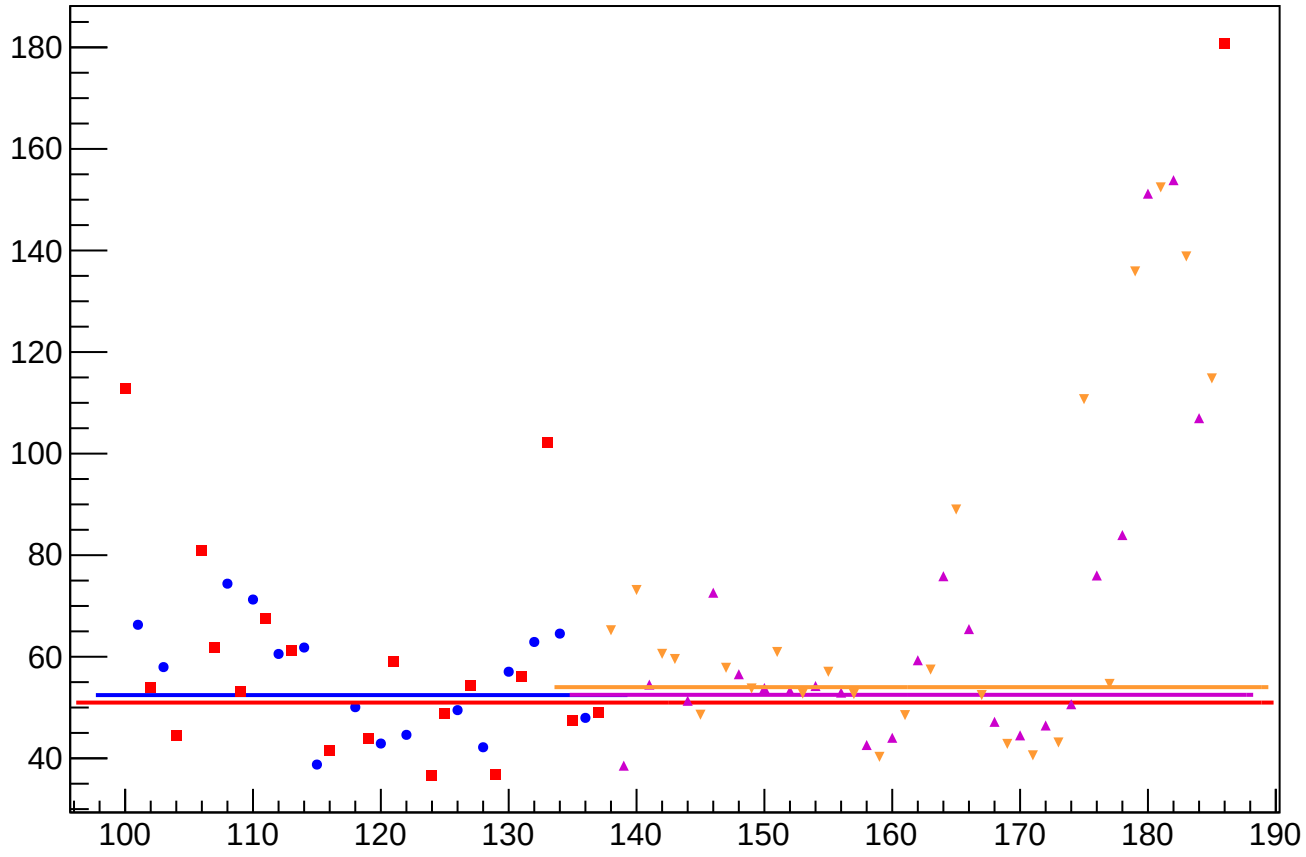
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/19

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.008+/-0.011 χ^2/NDF: 42.7/40

All: 0.002+/-0.008 χ^2/NDF: 89.8/83

- sign -0.004+/-0.011 χ^2/NDF: 46.5/42



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

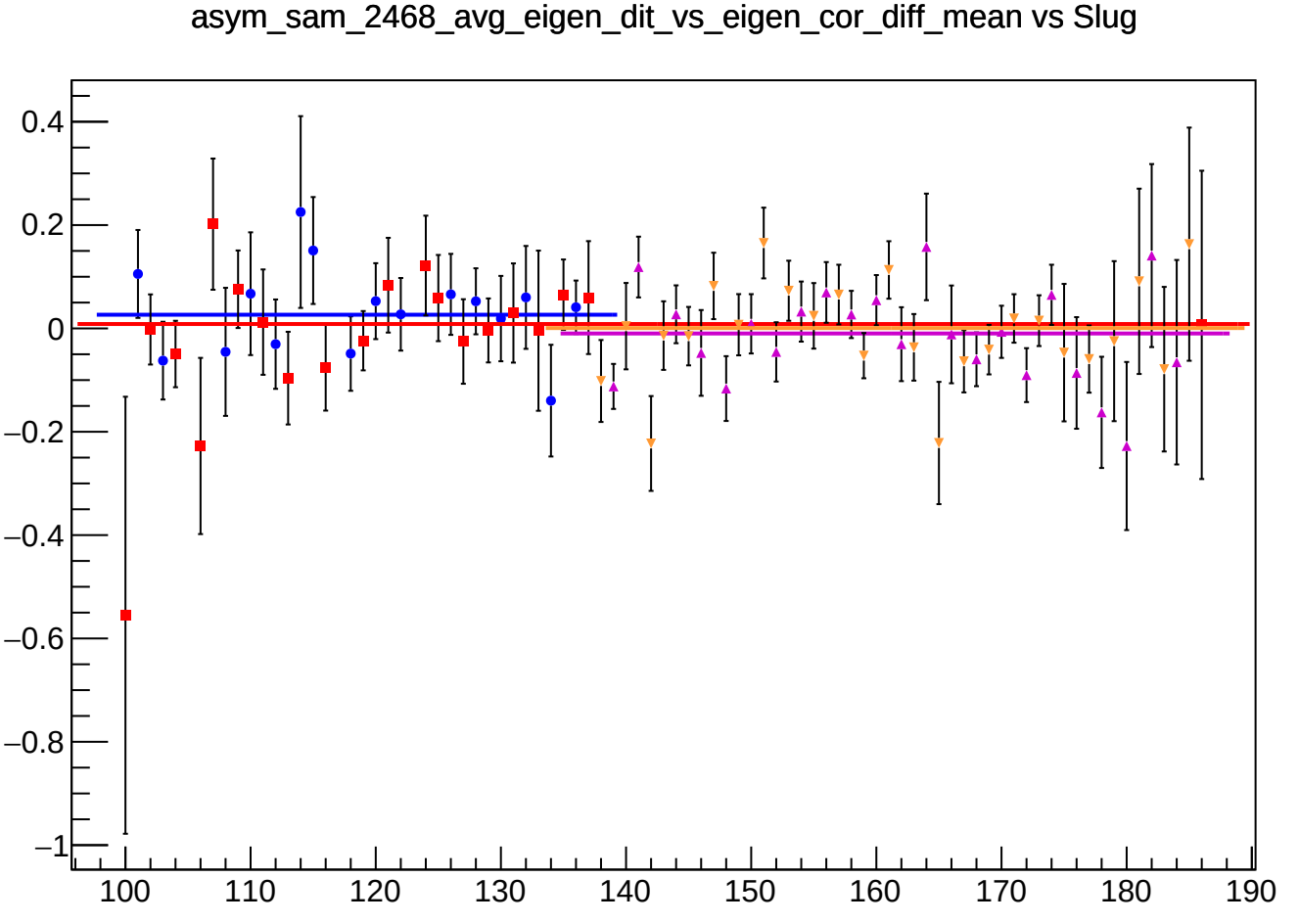
Right Out: 50.975+/-0.014 χ^2/NDF: 1056596.5/19

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.551+/-0.008 χ^2/NDF: 3653817.6/40

All: 52.773+/-0.006 χ^2/NDF: 7295988.8/83

- sign 52.019+/-0.008 χ^2/NDF: 3622847.7/42



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

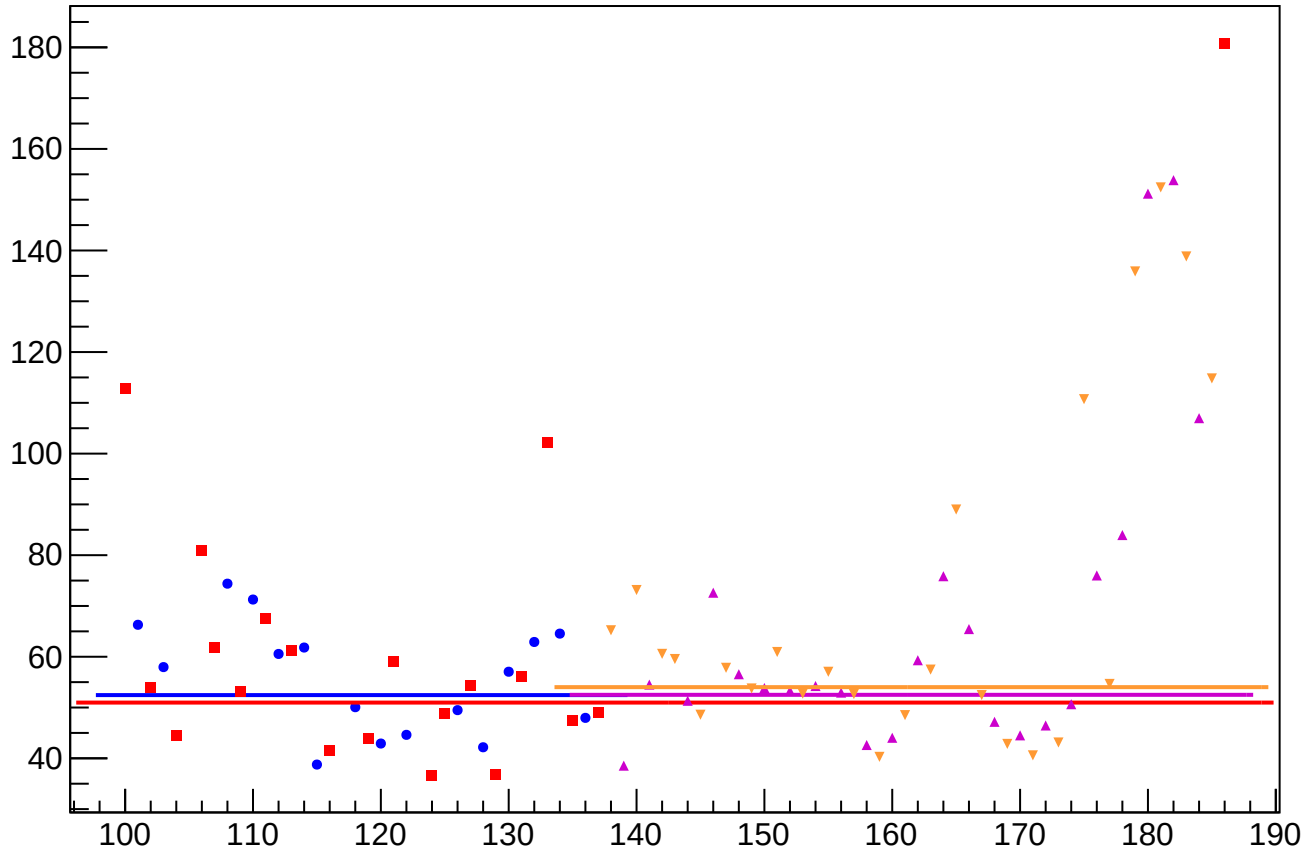
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/19

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.008+/-0.011 χ^2/NDF: 42.7/40

All: 0.002+/-0.008 χ^2/NDF: 89.8/83

- sign -0.004+/-0.011 χ^2/NDF: 46.5/42



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

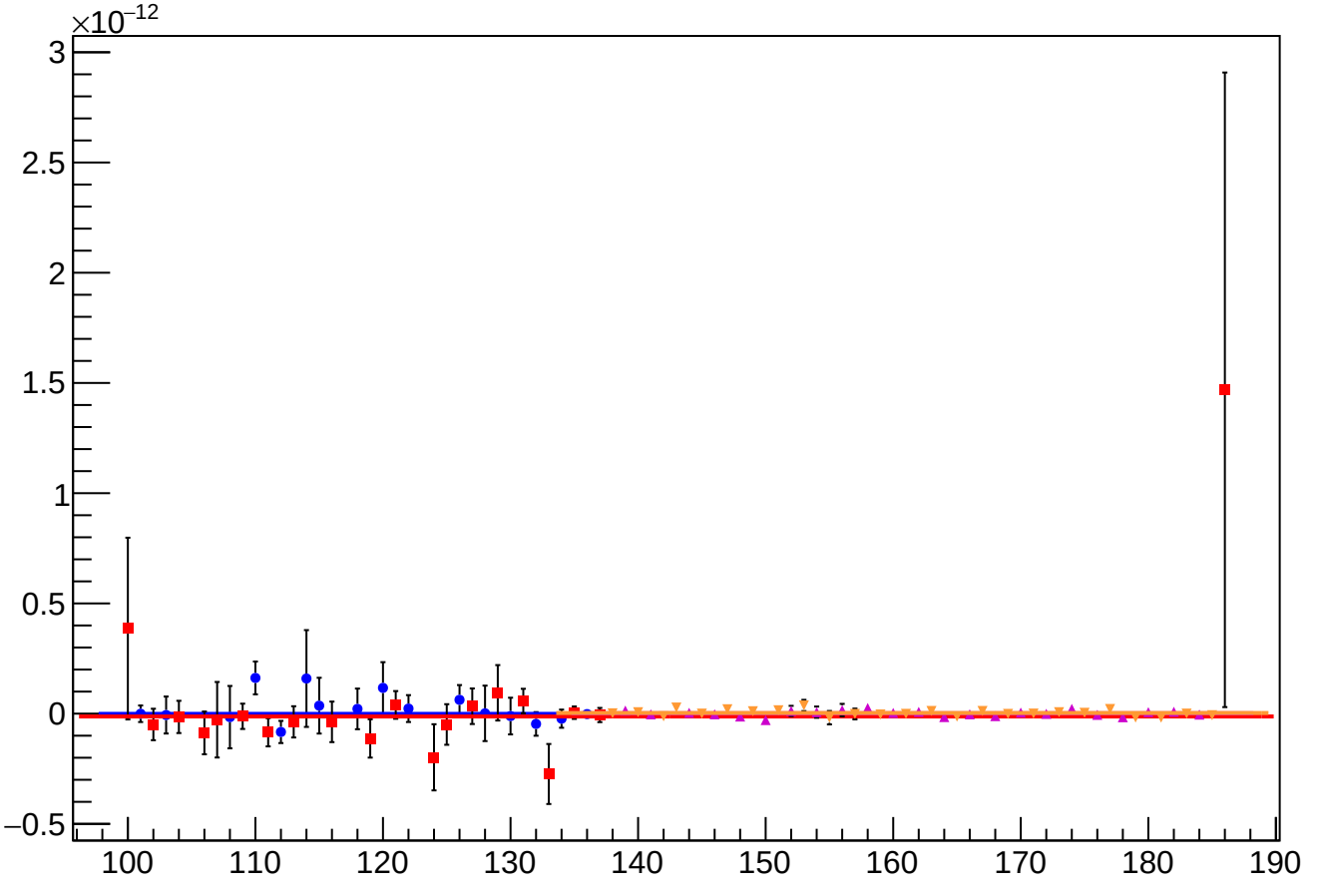
Right Out: 50.975+/-0.014 χ^2/NDF: 1056596.5/19

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.551+/-0.008 χ^2/NDF: 3653817.6/40

All: 52.773+/-0.006 χ^2/NDF: 7295988.8/83

- sign 52.019+/-0.008 χ^2/NDF: 3622847.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

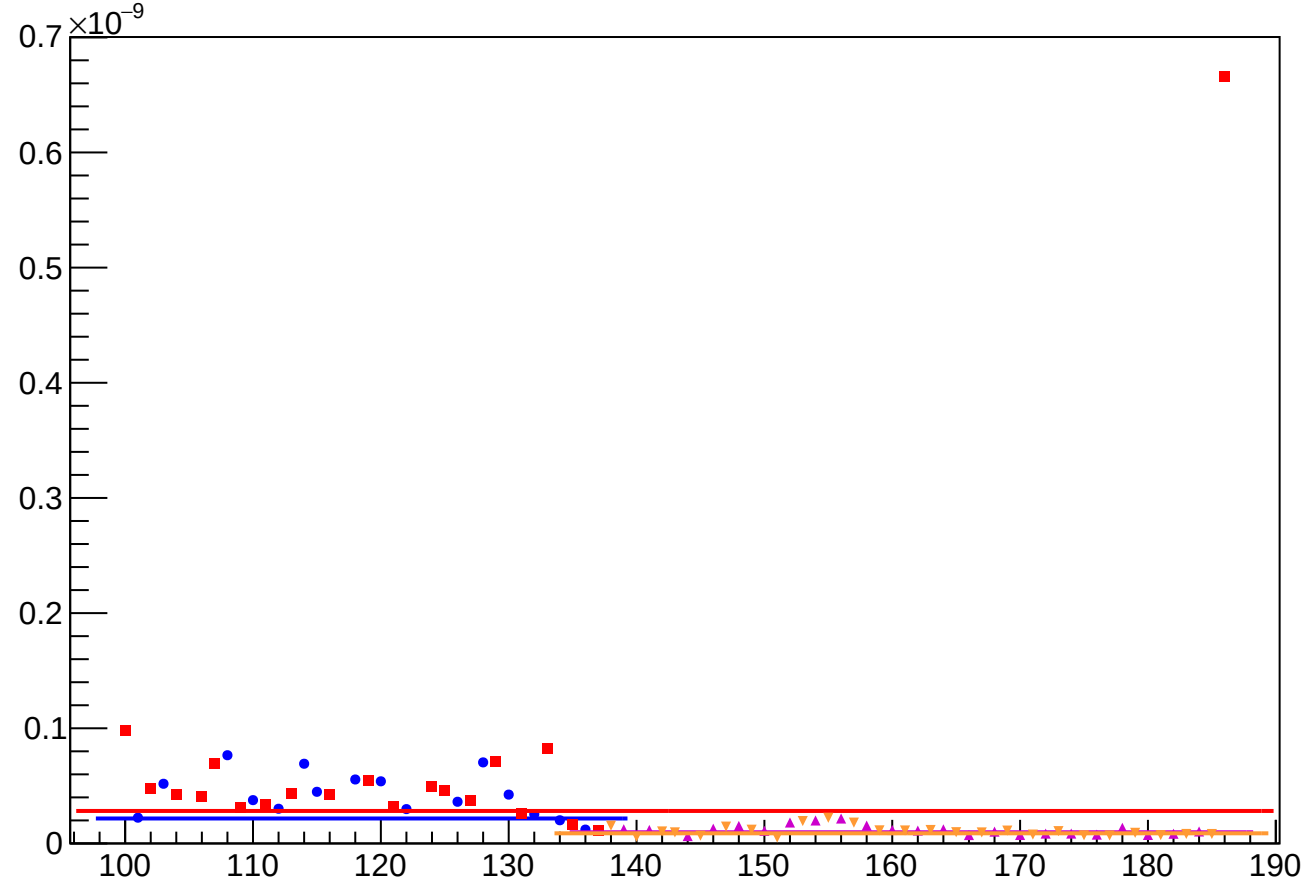
Right Out: -0.000+/-0.000 χ^2/NDF: 14.7/19

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.2/40

All: 0.000+/-0.000 χ^2/NDF: 64.4/83

- sign 0.000+/-0.000 χ^2/NDF: 31.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2774636.5/19

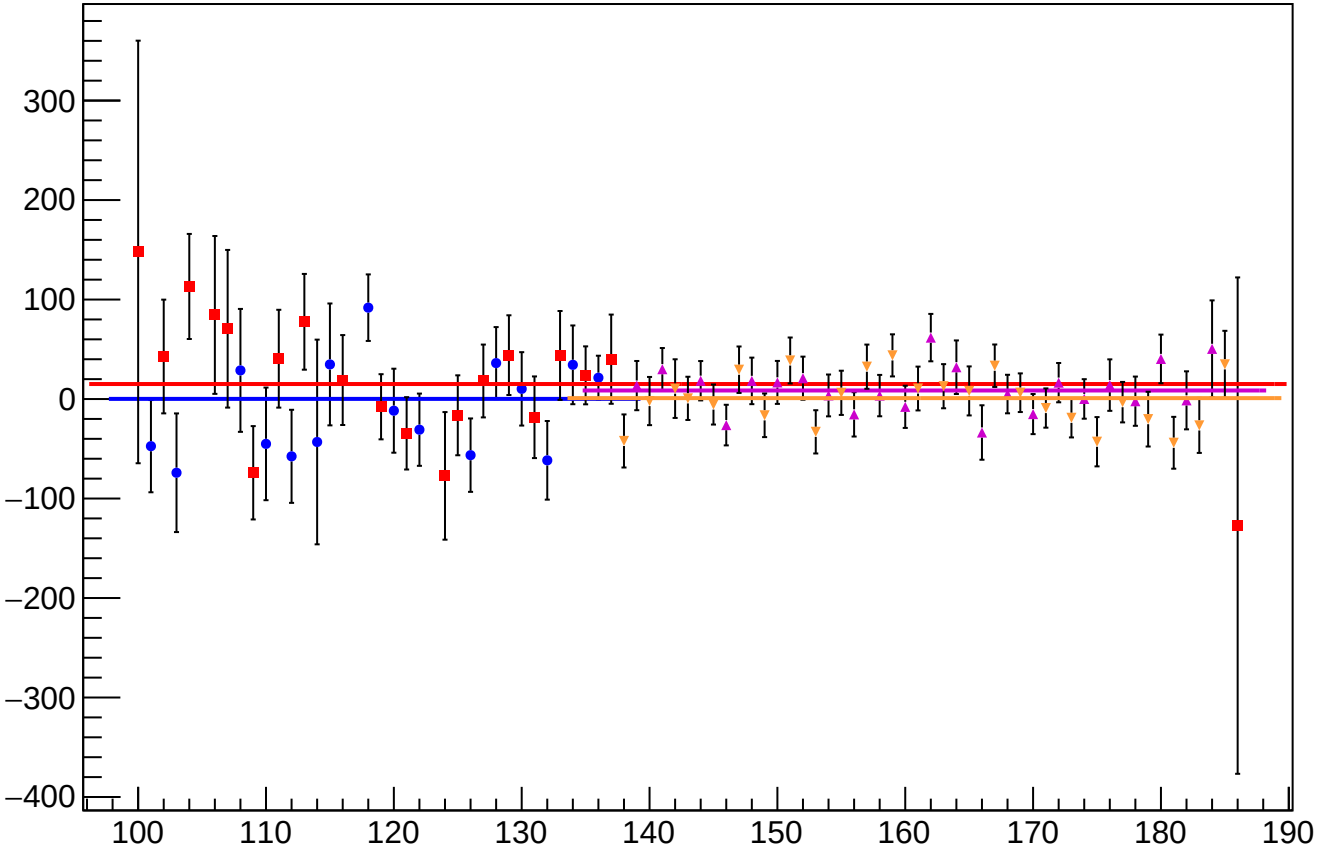
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7241084.6/40

All: 0.000+/-0.000 χ^2/NDF: 15606678.5/83

- sign 0.000+/-0.000 χ^2/NDF: 8222082.6/42

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 15.091+/-10.258 χ^2/NDF: 18.3/19

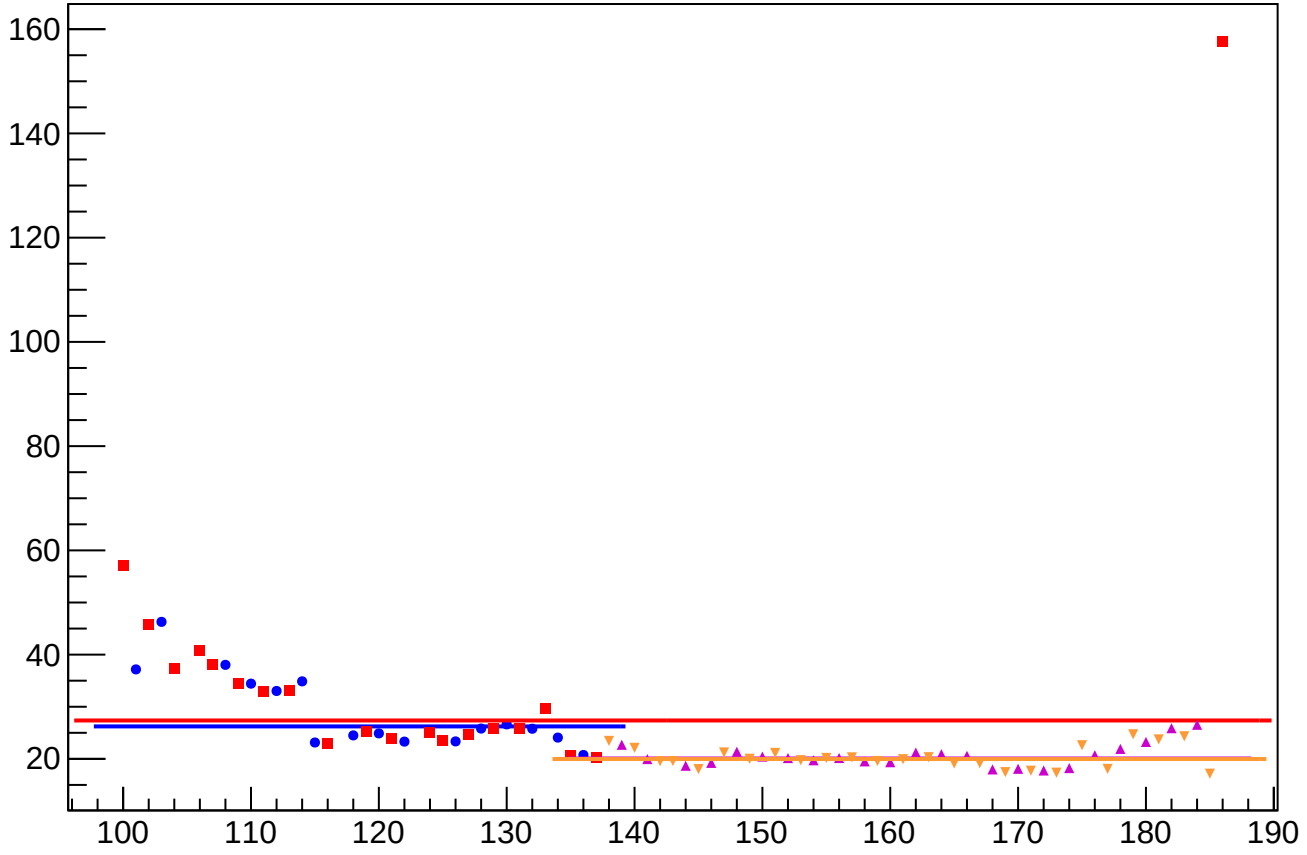
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.786+/-4.163 χ^2/NDF: 50.6/40

All: 5.126+/-2.988 χ^2/NDF: 90.8/83

- sign 9.736+/-4.291 χ^2/NDF: 38.0/42

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

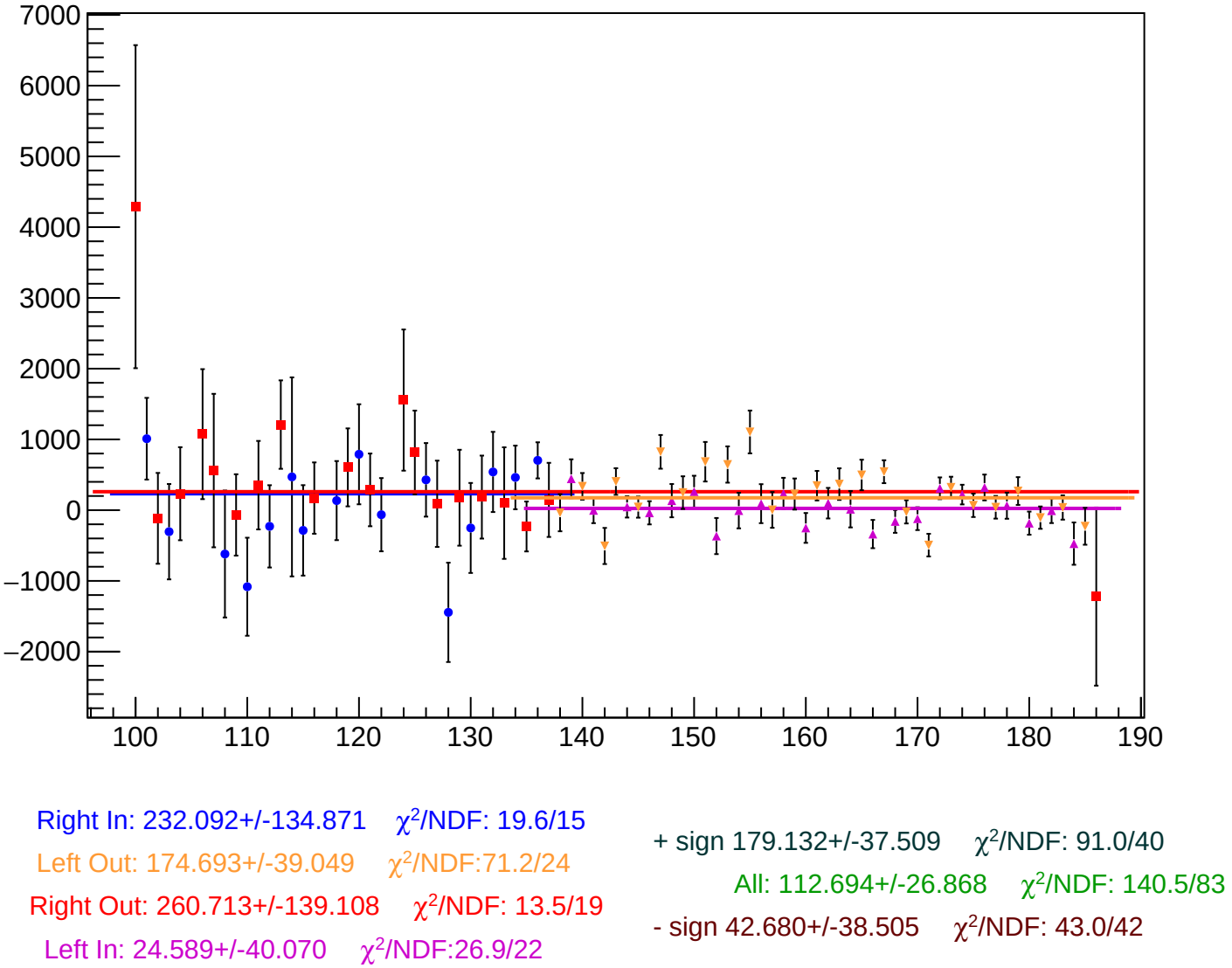
Right Out: 27.366+/-0.007 χ^2/NDF: 1301591.4/19

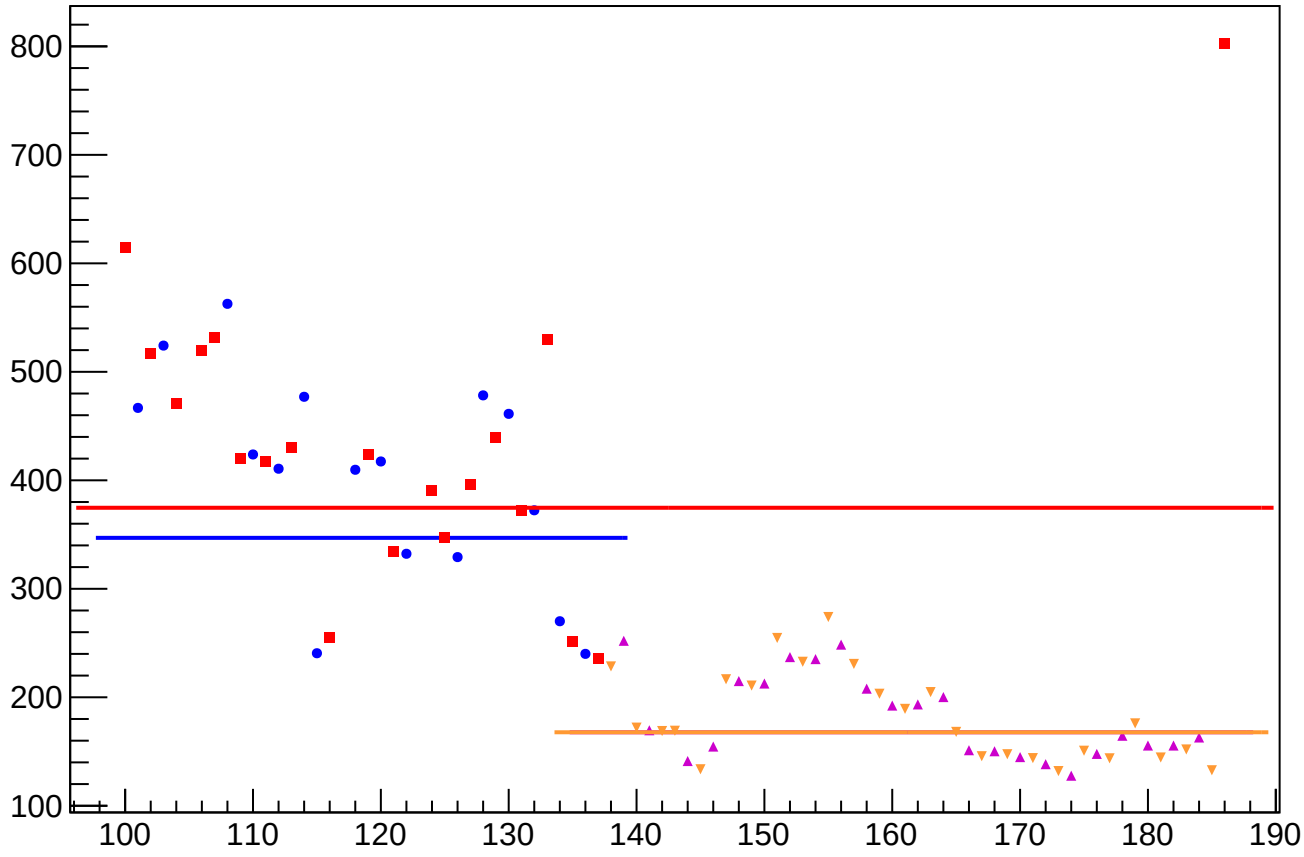
Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.043+/-0.003 χ^2/NDF: 1705529.0/40

All: 21.191+/-0.002 χ^2/NDF: 4148201.6/83

- sign 21.348+/-0.003 χ^2/NDF: 2437450.9/42


asym_sam_1357_2468_dd_reg_correction_mean vs Slug
7000
6000
5000
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 232.092+/-134.871 χ²/NDF: 19.6/15
Left Out: 174.693+/-39.049 χ²/NDF:71.2/24
Right Out: 260.713+/-139.108 χ²/NDF: 13.5/19
Left In: 24.589+/-40.070 χ²/NDF:26.9/22
+ sign 179.132+/-37.509 χ²/NDF: 91.0/40
All: 112.694+/-26.868 χ²/NDF: 140.5/83
- sign 42.680+/-38.505 χ²/NDF: 43.0/42



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 374.700+/-0.098 χ^2/NDF: 1152738.9/19

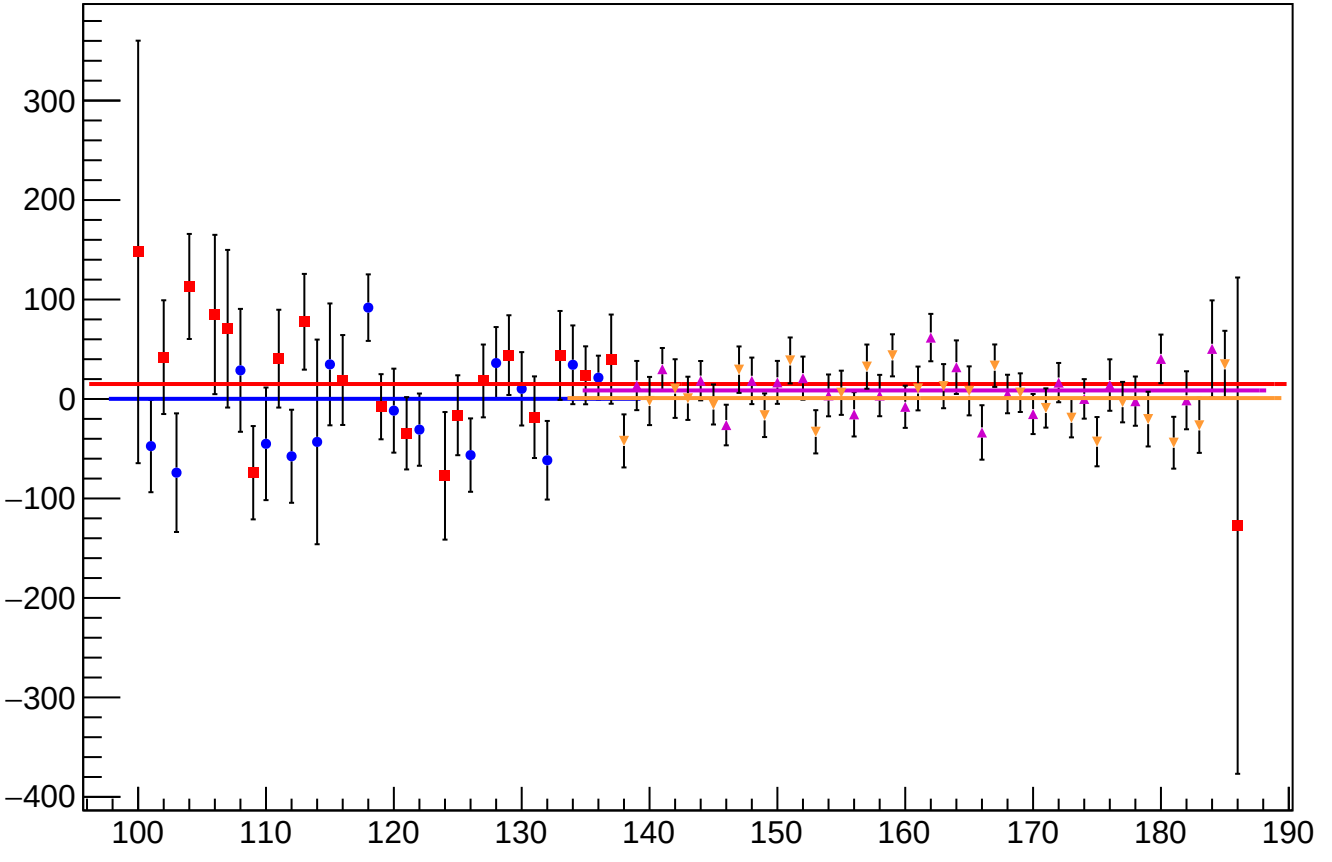
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 181.615+/-0.027 χ^2/NDF: 5894488.0/40

All: 182.584+/-0.019 χ^2/NDF: 12540487.2/83

- sign 183.604+/-0.027 χ^2/NDF: 6643261.8/42

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 15.051+/-10.260 χ^2/NDF: 18.3/19

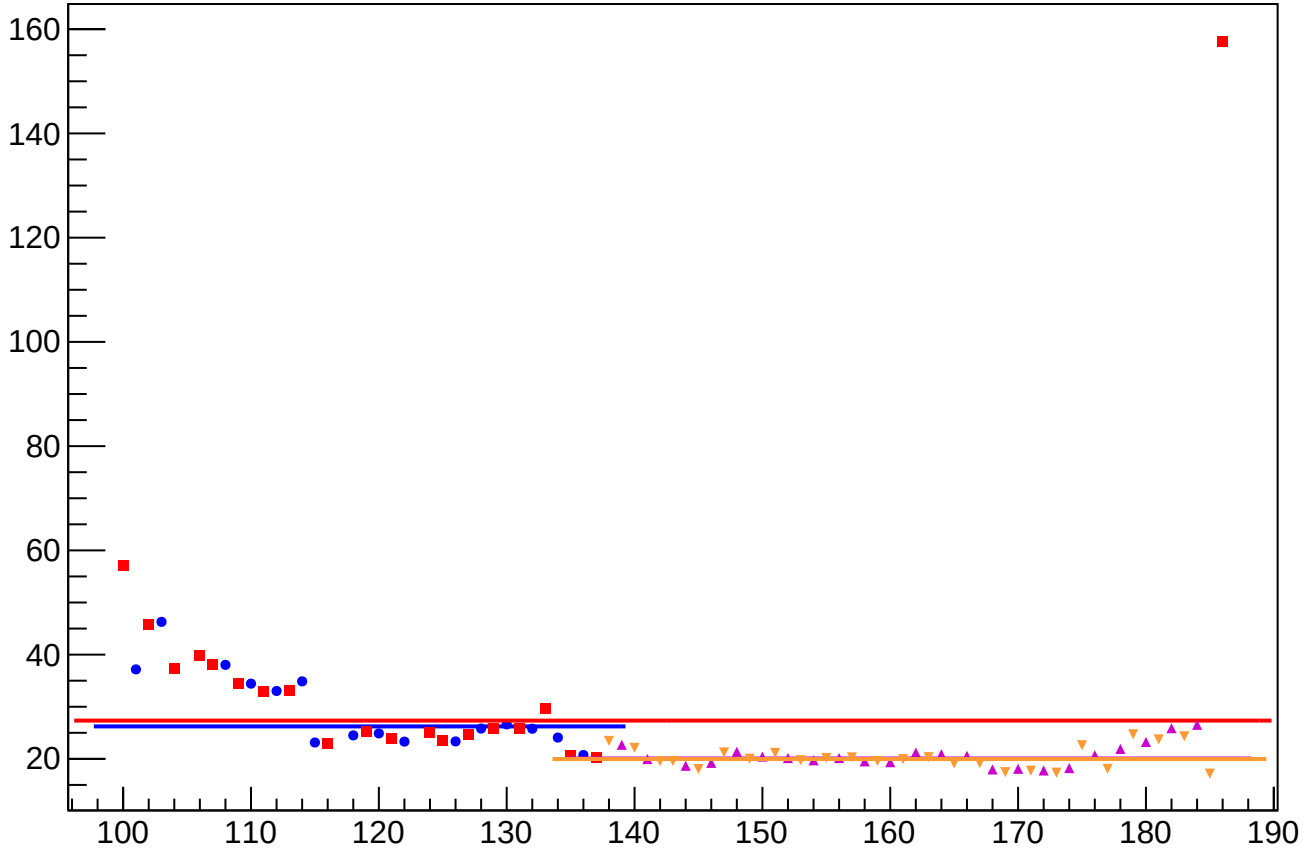
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.785+/-4.163 χ^2/NDF: 50.6/40

All: 5.122+/-2.988 χ^2/NDF: 90.7/83

- sign 9.728+/-4.291 χ^2/NDF: 37.9/42

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

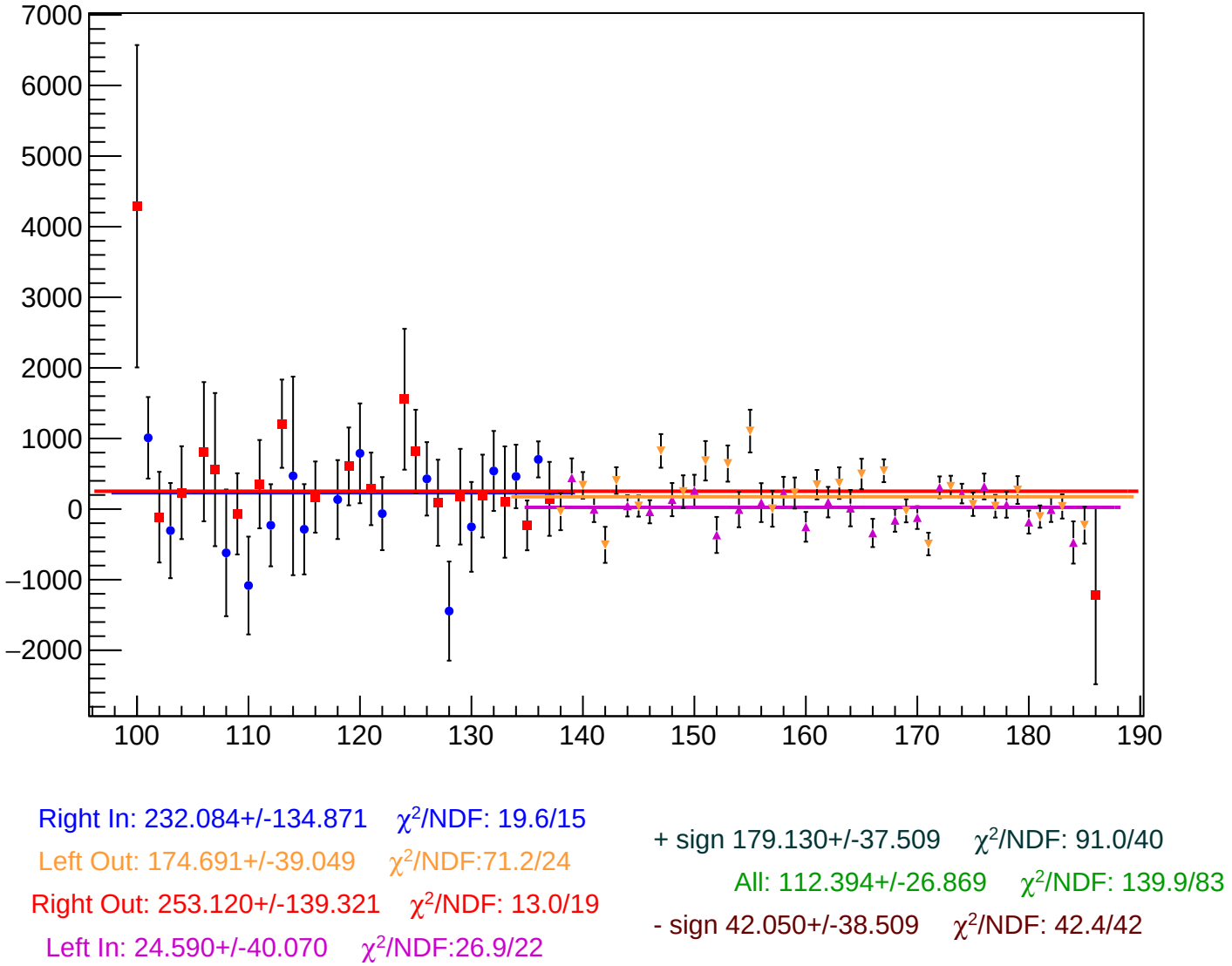
Right Out: 27.344+/-0.007 χ^2/NDF: 1292030.3/19

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

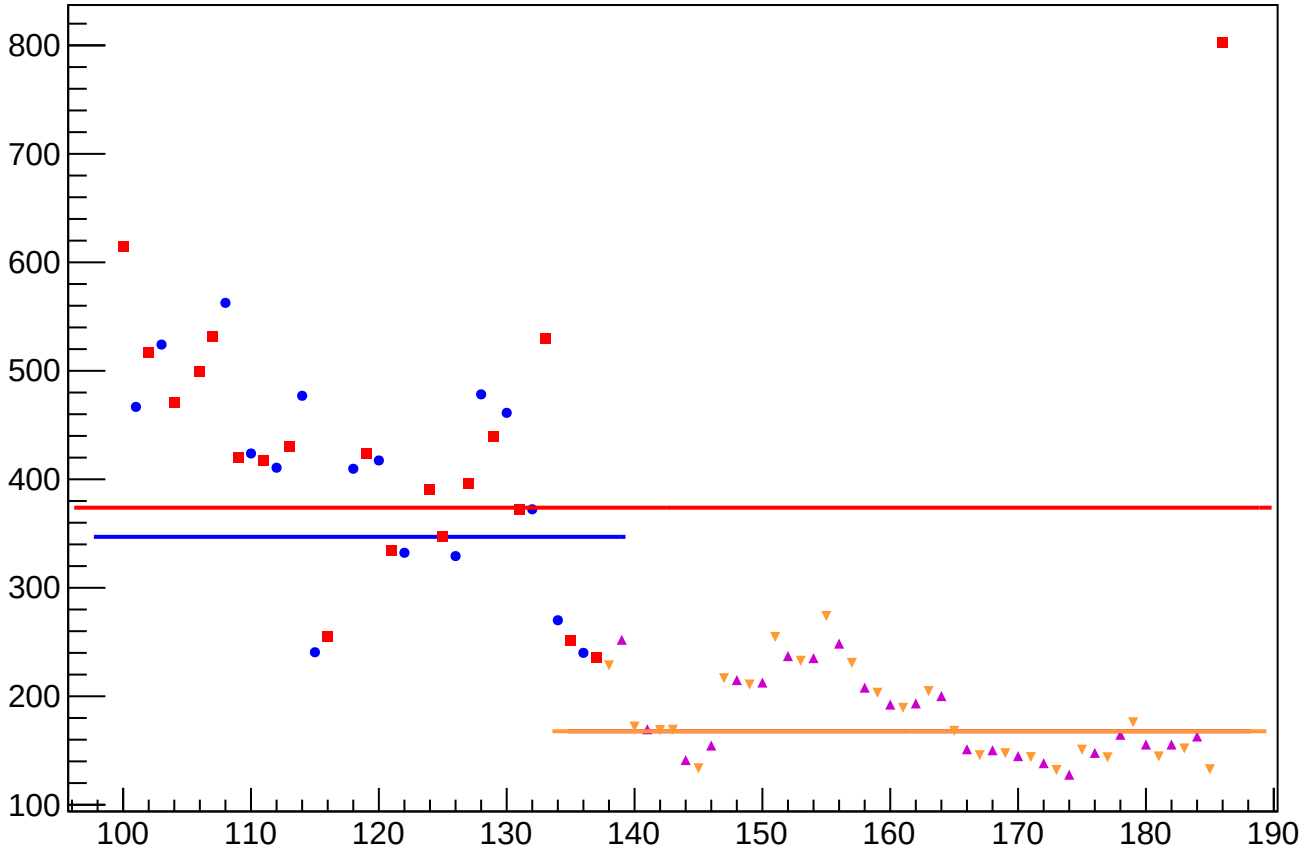
+ sign 21.043+/-0.003 χ^2/NDF: 1705532.3/40

All: 21.189+/-0.002 χ^2/NDF: 4133295.5/83

- sign 21.344+/-0.003 χ^2/NDF: 2422683.0/42


asym_sam_1357_2468_dd_cor_correction_mean vs Slug
7000
6000
5000
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 174.691+/-39.049 χ²/NDF:71.2/24
Right Out: 253.120+/-139.321 χ²/NDF: 13.0/19
Left In: 24.590+/-40.070 χ²/NDF:26.9/22
+ sign 179.130+/-37.509 χ²/NDF: 91.0/40
All: 112.394+/-26.869 χ²/NDF: 139.9/83
- sign 42.050+/-38.509 χ²/NDF: 42.4/42

asym_sam_1357_2468_dd_cor_correction_rms vs Slug



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

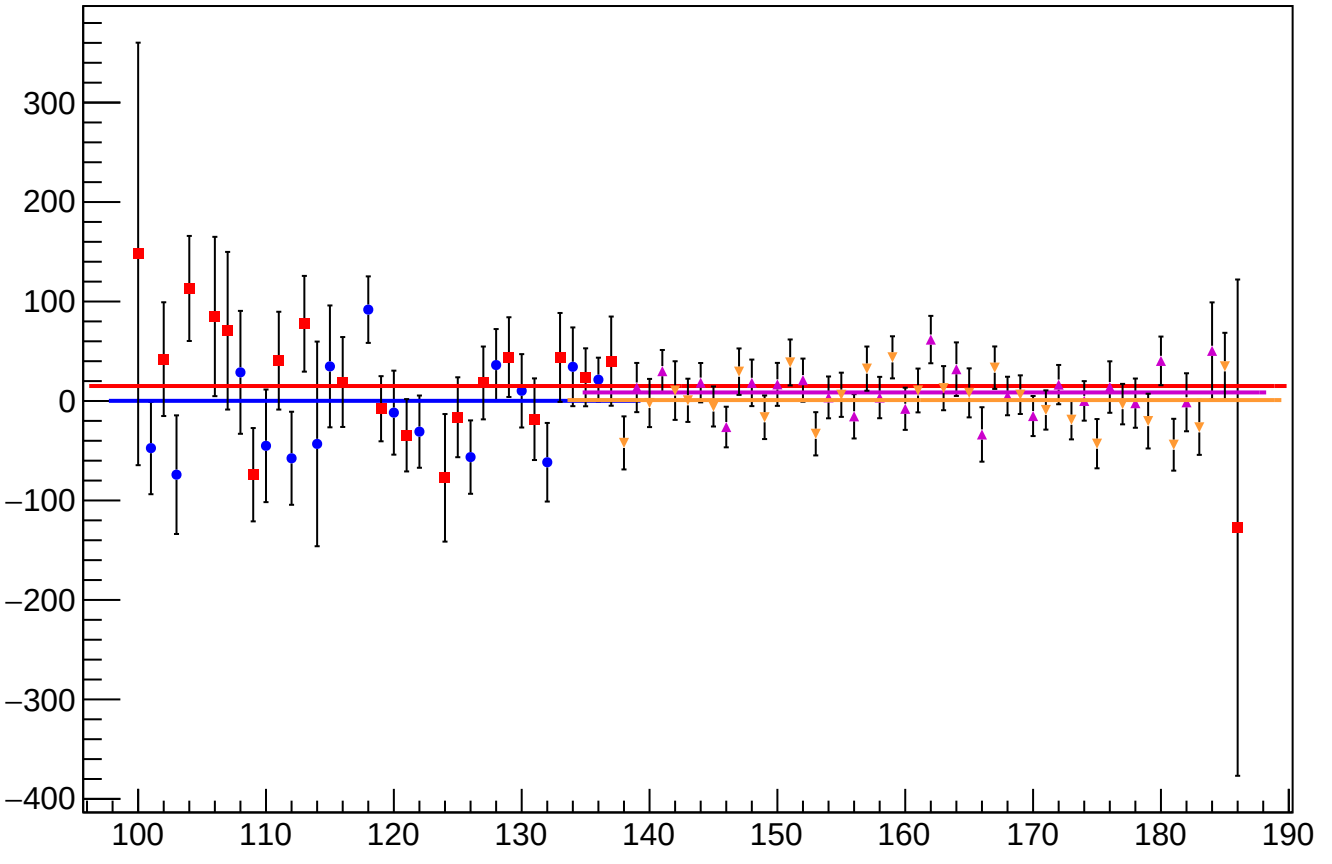
Right Out: 373.860+/-0.099 χ^2/NDF: 1135034.7/19

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 181.615+/-0.027 χ^2/NDF: 5894510.3/40

All: 182.531+/-0.019 χ^2/NDF: 12477915.4/83

- sign 183.495+/-0.027 χ^2/NDF: 6580959.5/42



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 15.051+/-10.260 χ^2/NDF: 18.3/19

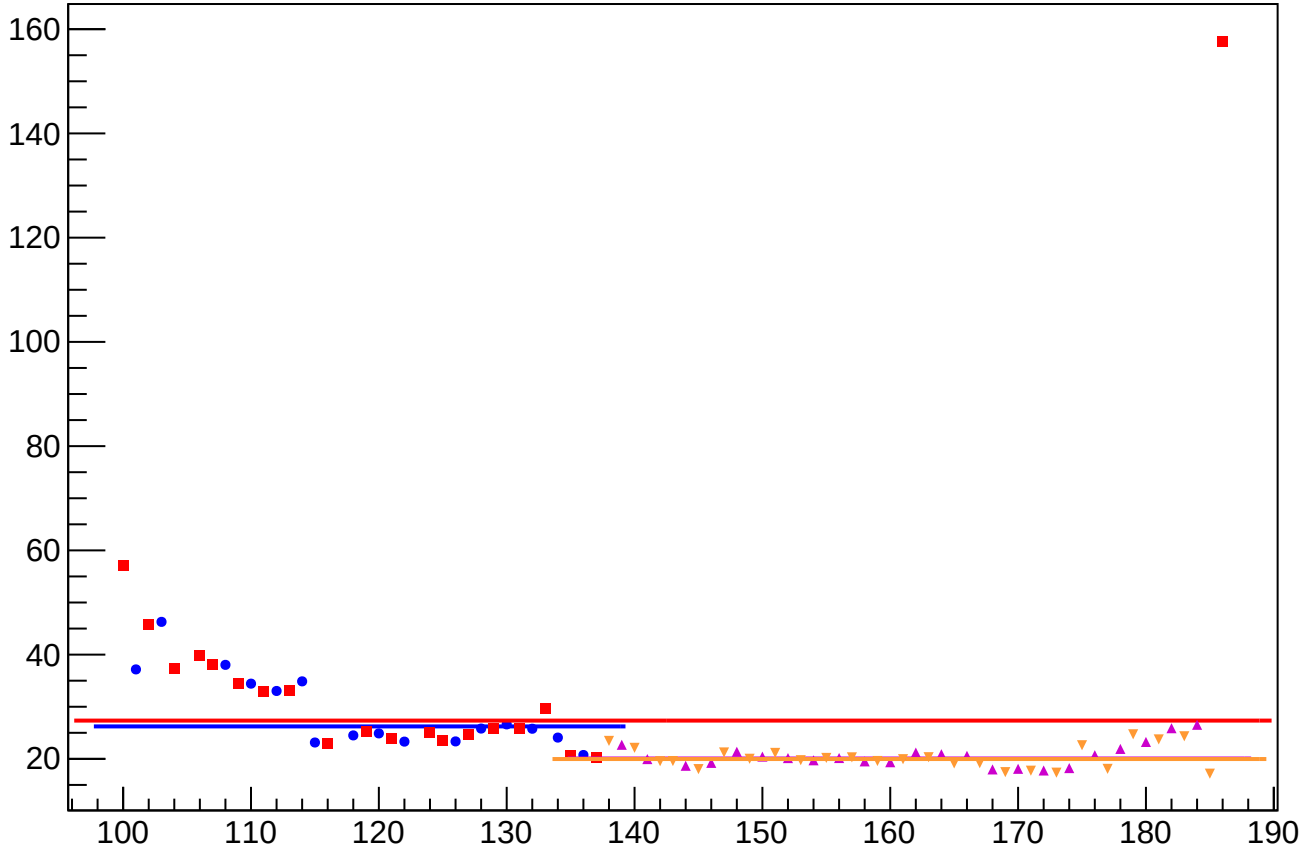
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.785+/-4.163 χ^2/NDF: 50.6/40

All: 5.122+/-2.988 χ^2/NDF: 90.7/83

- sign 9.728+/-4.291 χ^2/NDF: 37.9/42

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

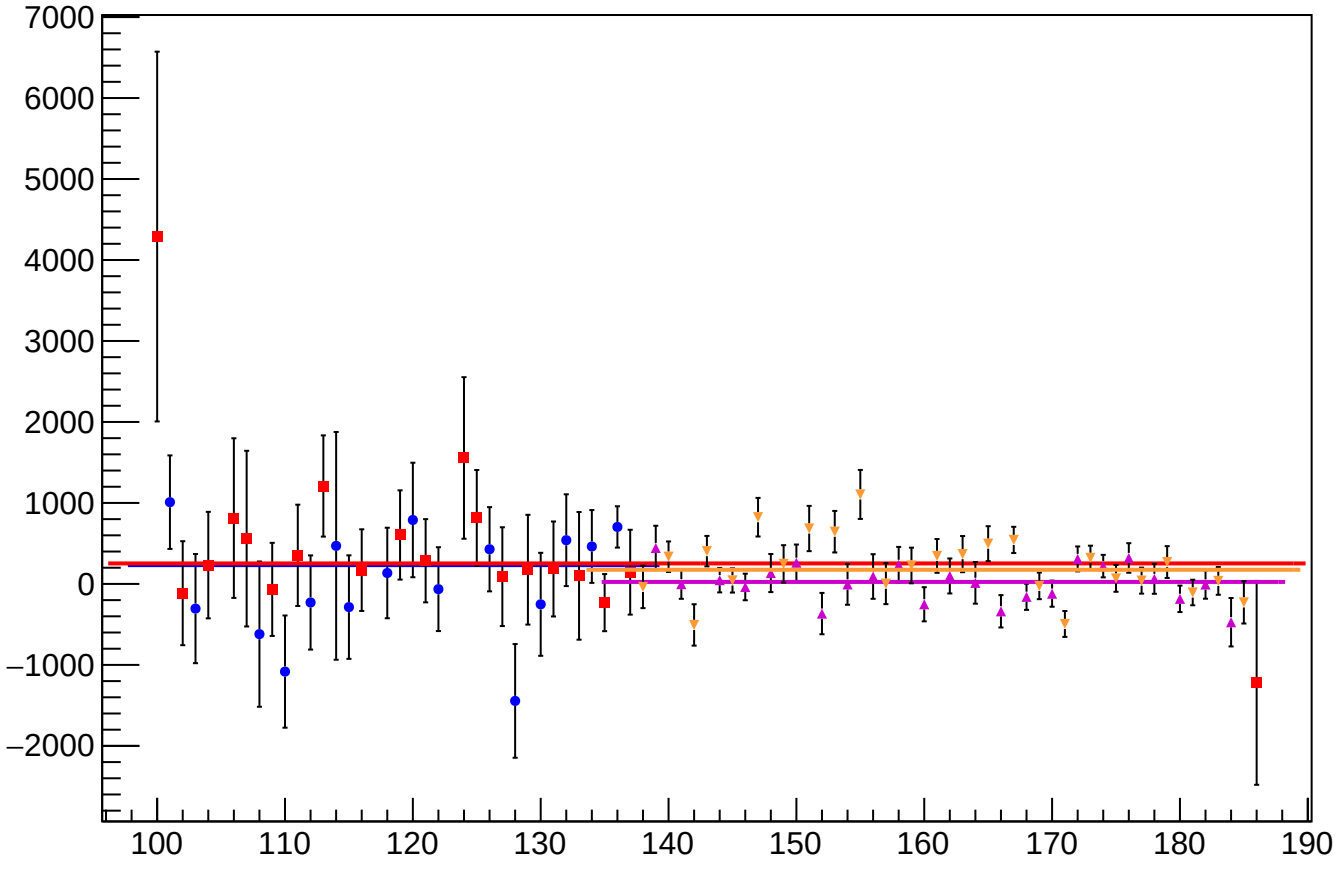
Right Out: 27.344+/-0.007 χ^2/NDF: 1292030.3/19

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.043+/-0.003 χ^2/NDF: 1705532.3/40

All: 21.189+/-0.002 χ^2/NDF: 4133295.5/83

- sign 21.344+/-0.003 χ^2/NDF: 2422683.0/42



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

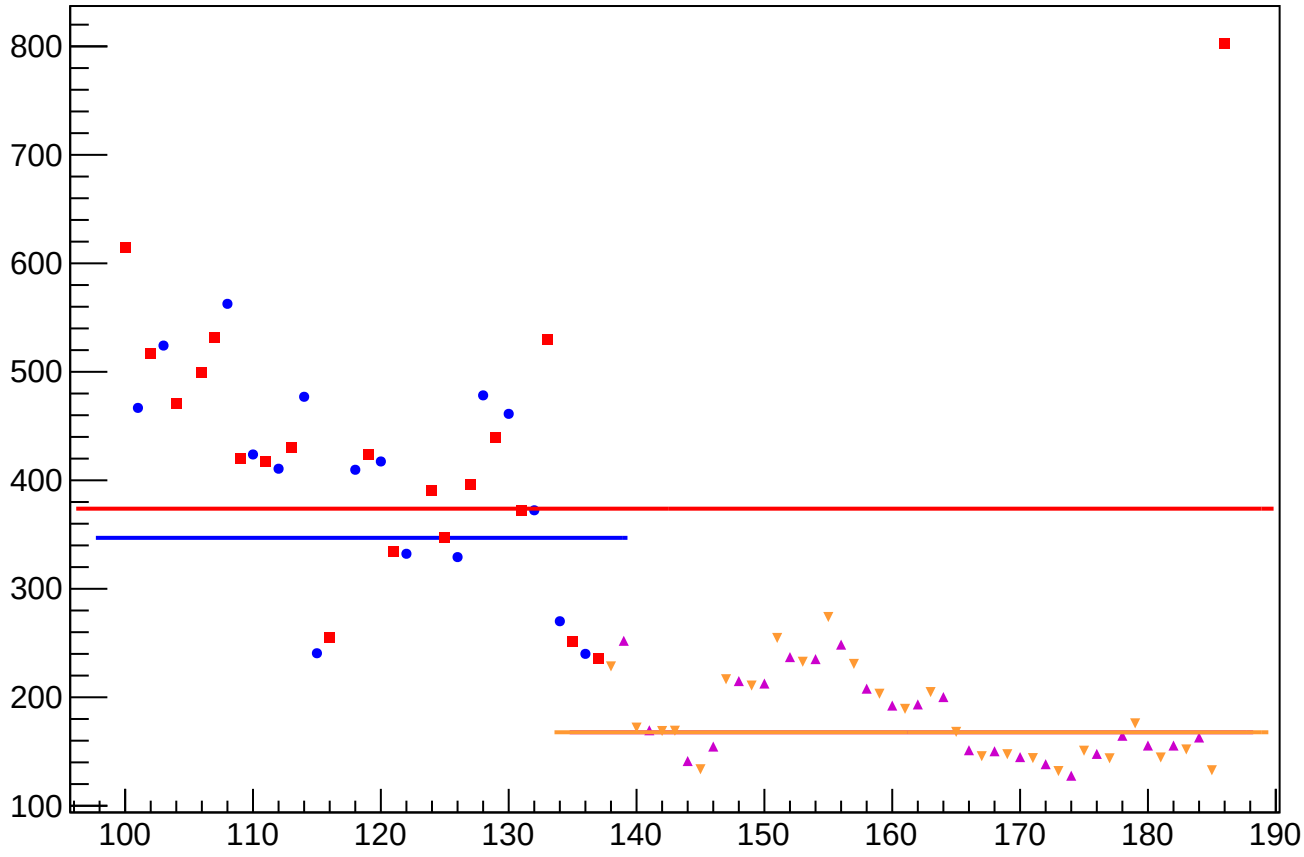
Right Out: 253.120+/-139.321 χ^2/NDF: 13.0/19

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 179.130+/-37.509 χ^2/NDF: 91.0/40

All: 112.394+/-26.869 χ^2/NDF: 139.9/83

- sign 42.050+/-38.509 χ^2/NDF: 42.4/42



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 373.860+/-0.099 χ^2/NDF: 1135034.7/19

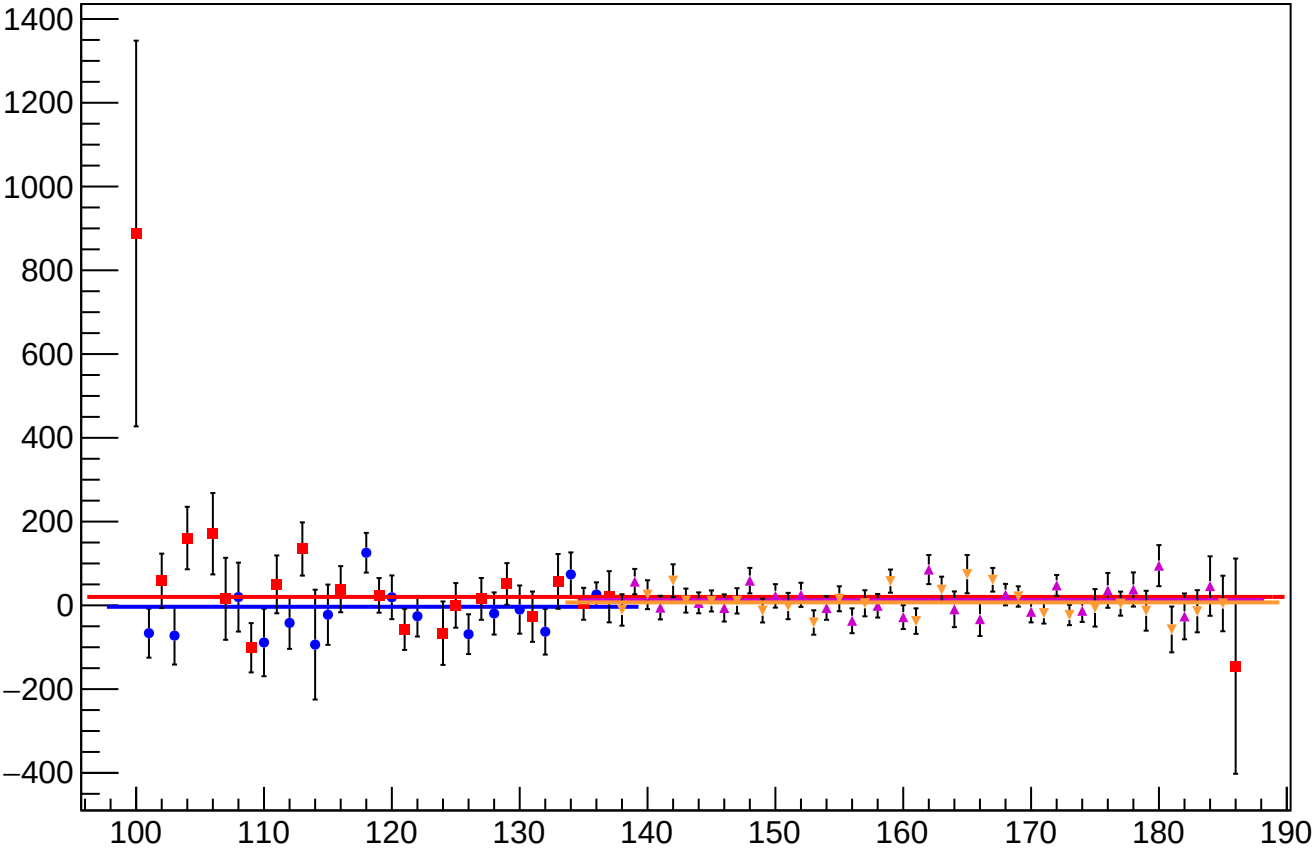
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 181.615+/-0.027 χ^2/NDF: 5894510.3/40

All: 182.531+/-0.019 χ^2/NDF: 12477915.4/83

- sign 183.495+/-0.027 χ^2/NDF: 6580959.5/42

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 20.114+/-13.456 χ^2/NDF: 23.6/19

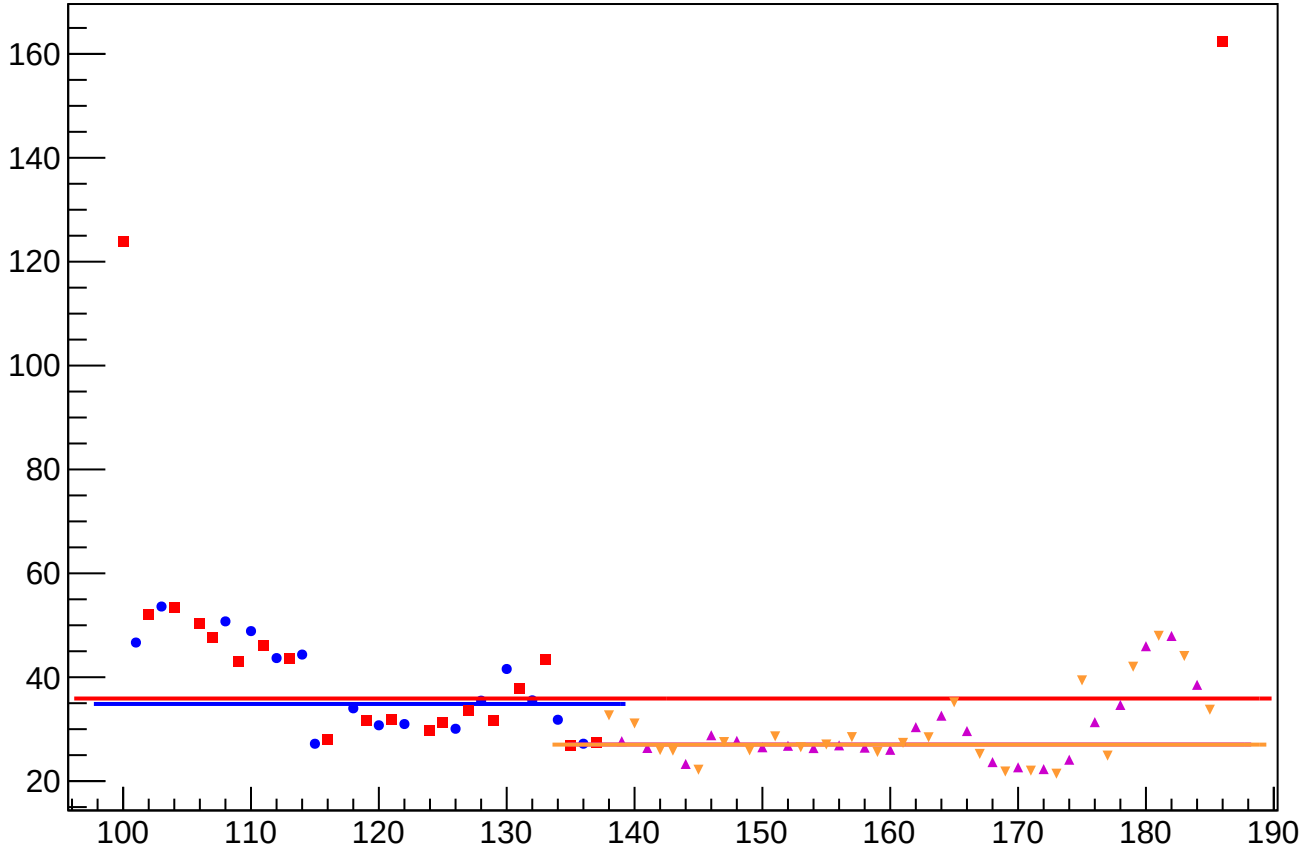
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 5.160+/-5.725 χ^2/NDF: 41.7/40

All: 9.526+/-4.096 χ^2/NDF: 92.3/83

- sign 14.105+/-5.863 χ^2/NDF: 49.4/42

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

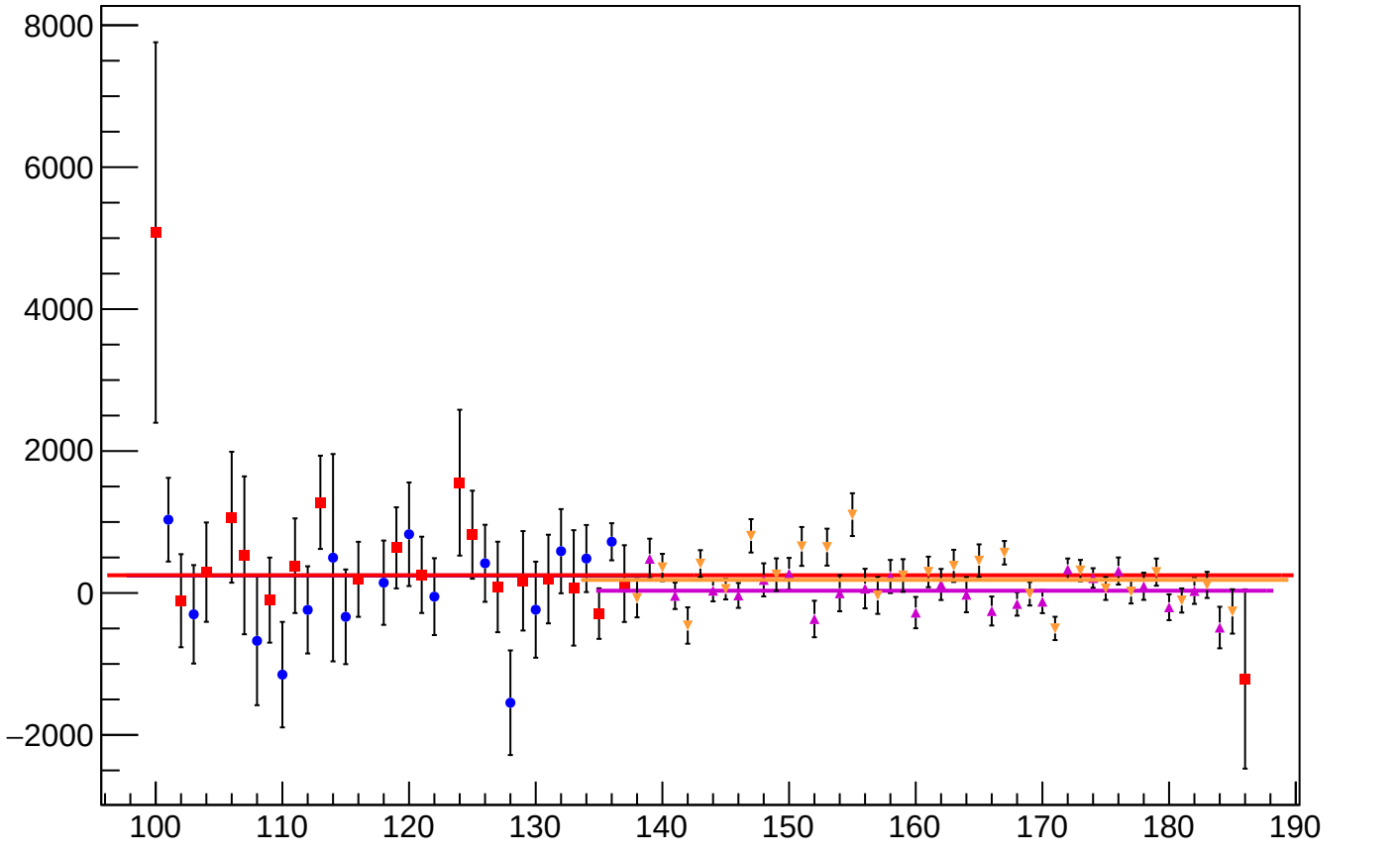
Right Out: 35.901+/-0.010 χ^2/NDF: 1265647.3/19

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 28.456+/-0.004 χ^2/NDF: 2646533.9/40

All: 28.591+/-0.003 χ^2/NDF: 5659468.3/83

- sign 28.732+/-0.004 χ^2/NDF: 3010673.4/42



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

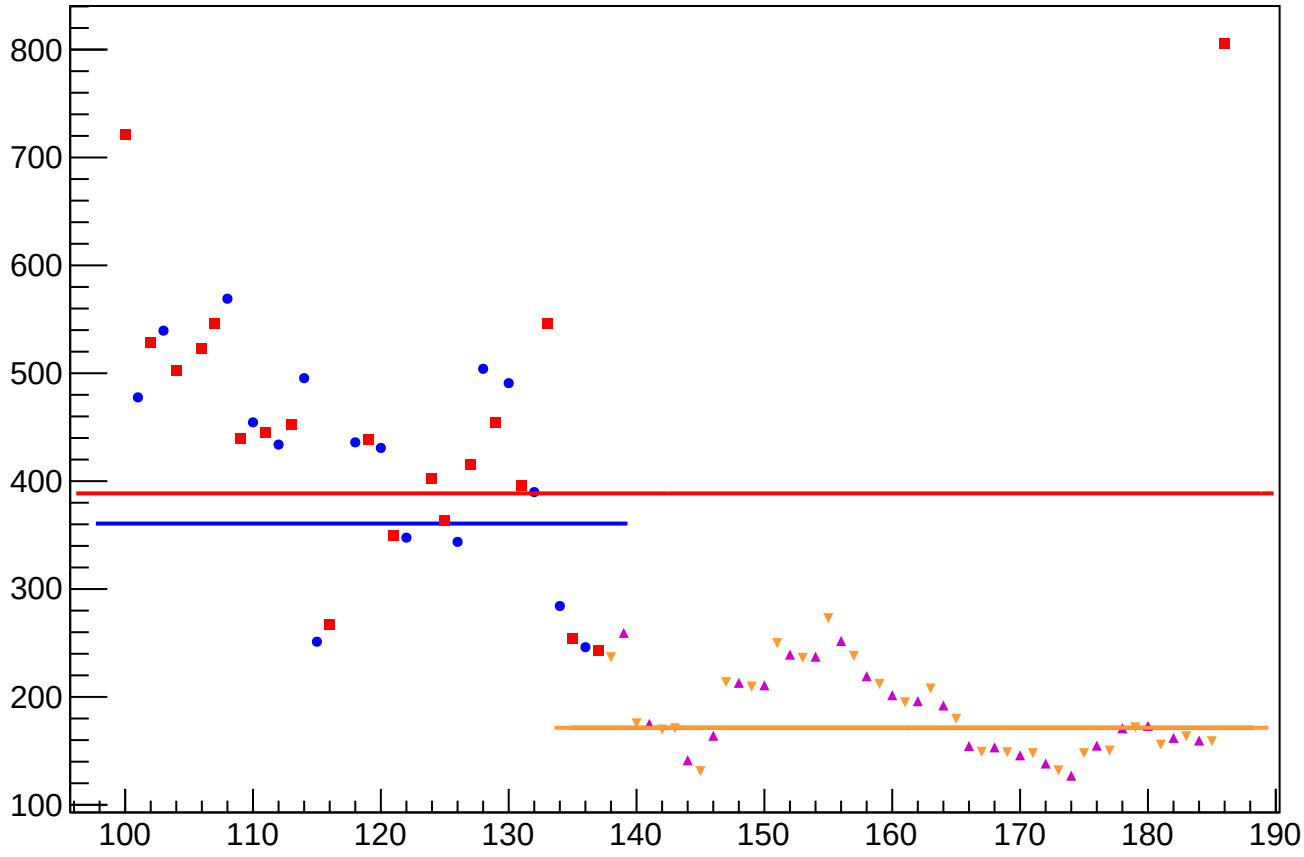
Right Out: 249.561+/-144.343 χ^2/NDF: 14.0/19

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

\+ sign 189.288+/-38.317 χ^2/NDF: 87.6/40

All: 120.704+/-27.475 χ^2/NDF: 136.7/83

\- sign 48.124+/-39.417 χ^2/NDF: 42.5/42



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 388.651+/-0.102 χ^2/NDF: 1183983.2/19

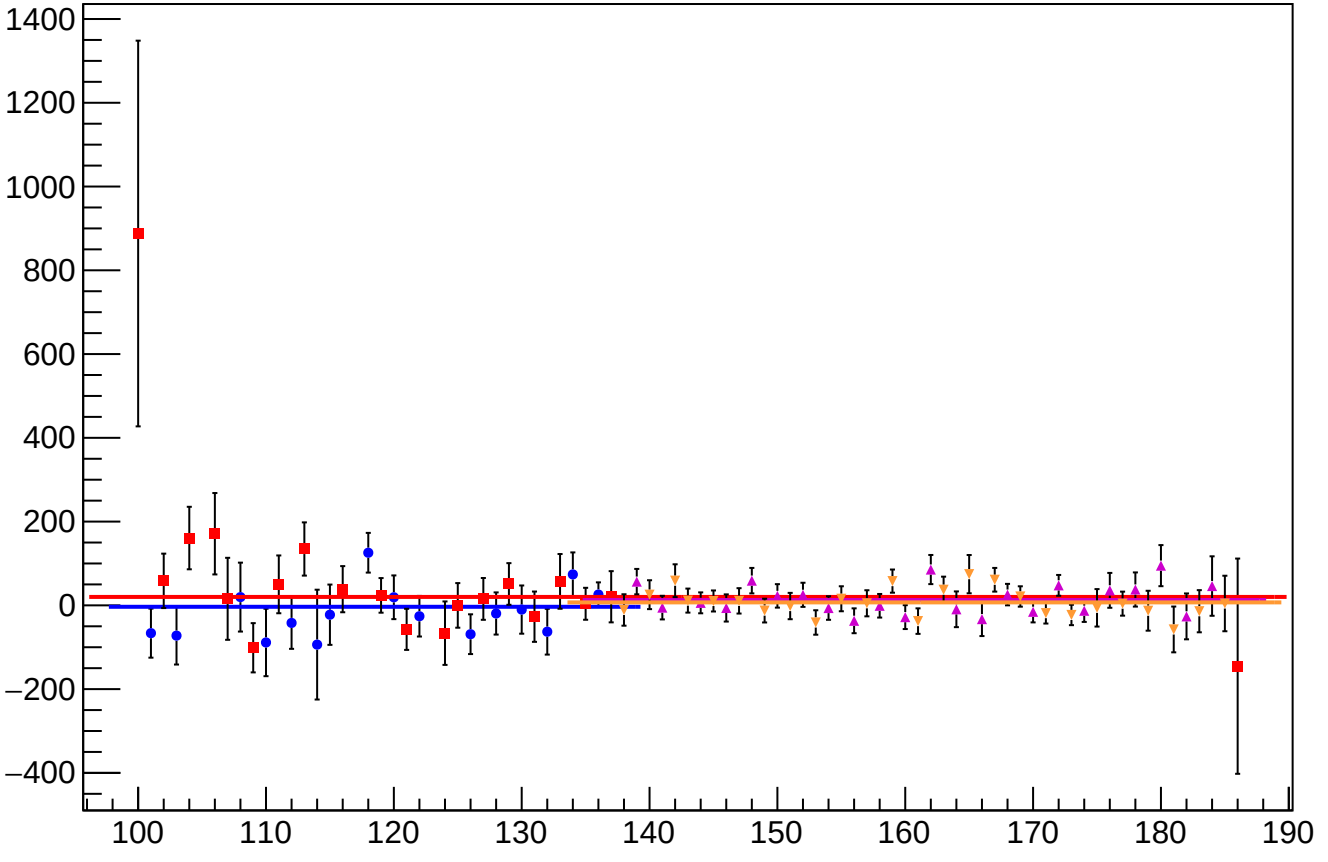
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 185.549+/-0.027 χ^2/NDF: 5988885.9/40

All: 186.586+/-0.019 χ^2/NDF: 12780987.4/83

- sign 187.684+/-0.028 χ^2/NDF: 6789083.2/42

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 20.114+/-13.456 χ^2/NDF: 23.6/19

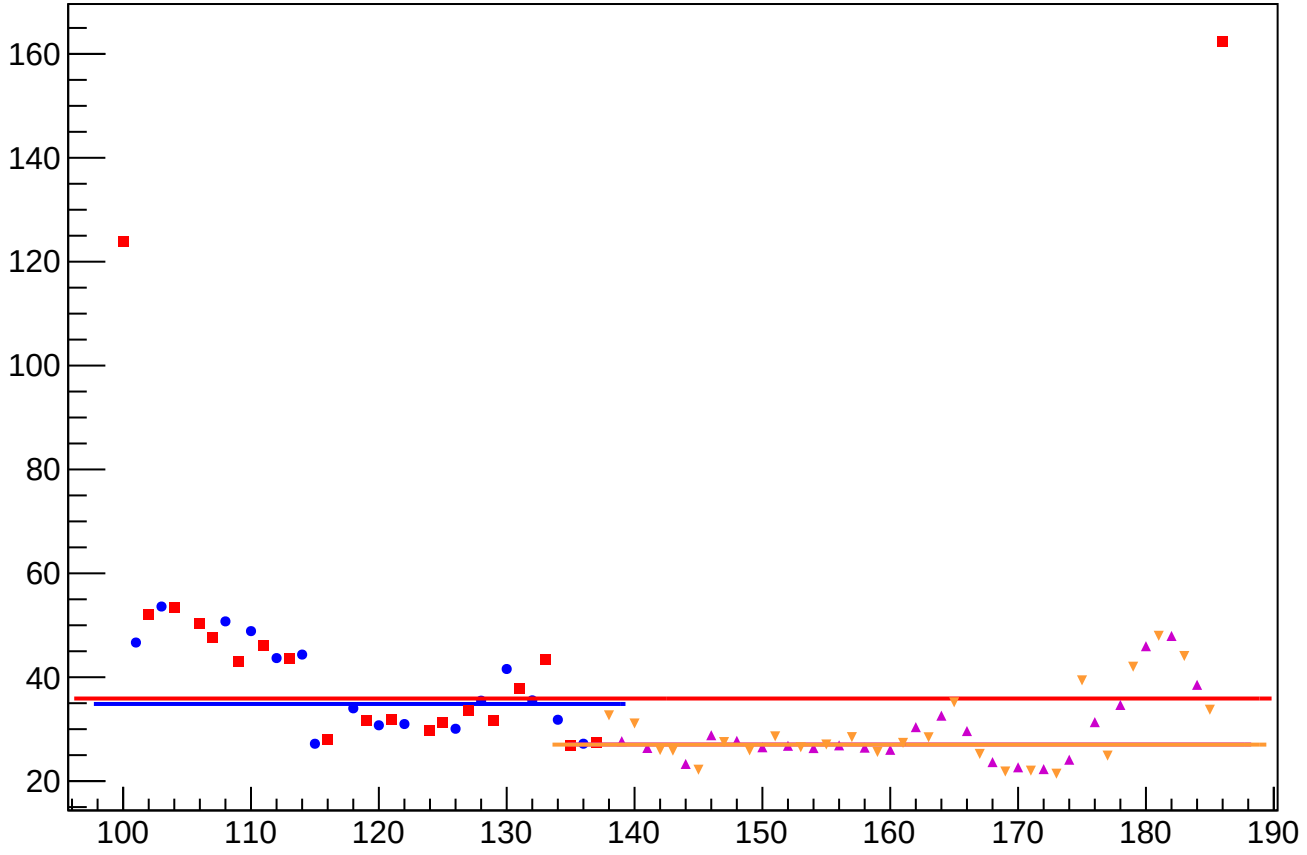
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 5.160+/-5.725 χ^2/NDF: 41.7/40

All: 9.526+/-4.096 χ^2/NDF: 92.3/83

- sign 14.105+/-5.863 χ^2/NDF: 49.4/42

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 35.900+/-0.010 χ^2/NDF: 1265619.5/19

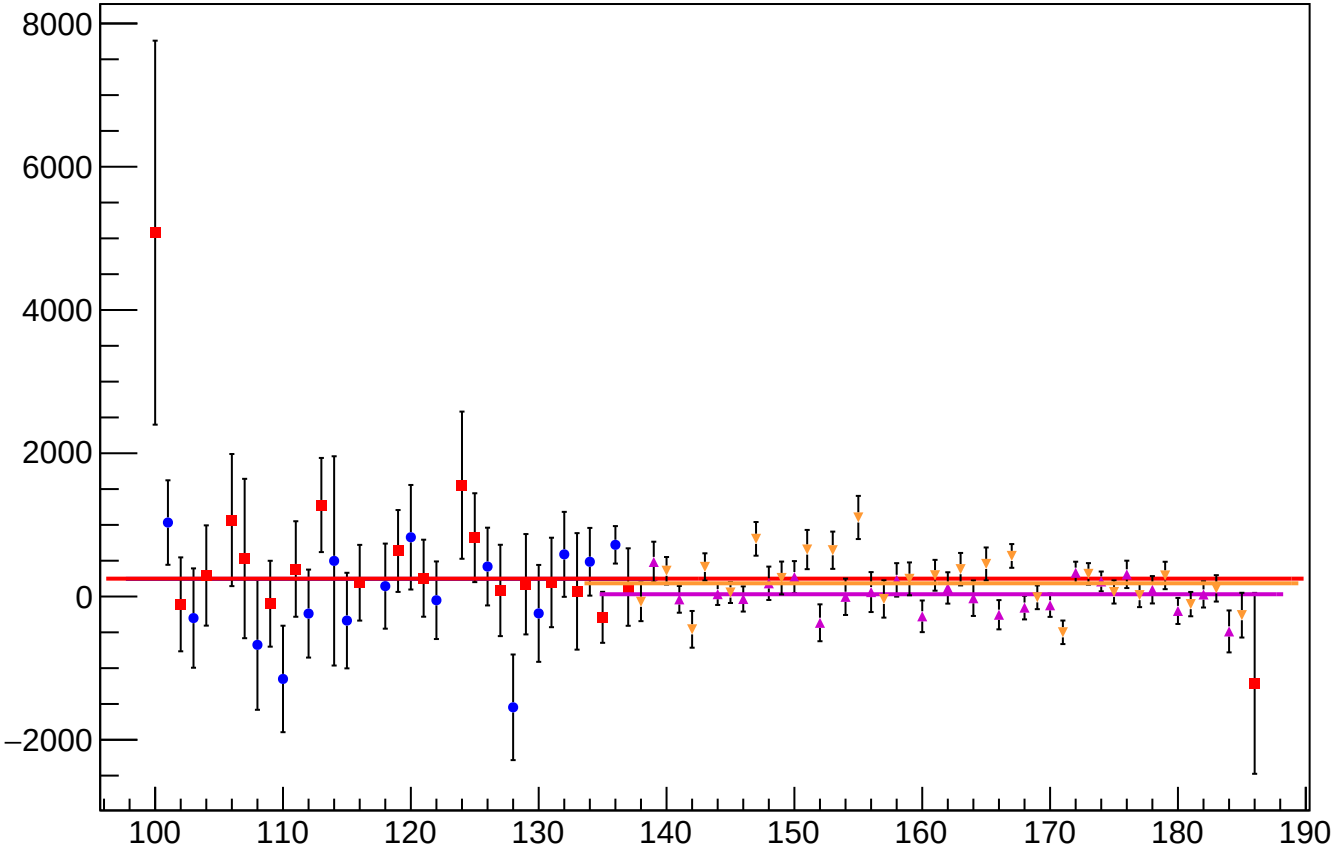
Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 28.456+/-0.004 χ^2/NDF: 2646422.6/40

All: 28.591+/-0.003 χ^2/NDF: 5659246.7/83

- sign 28.732+/-0.004 χ^2/NDF: 3010563.2/42

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

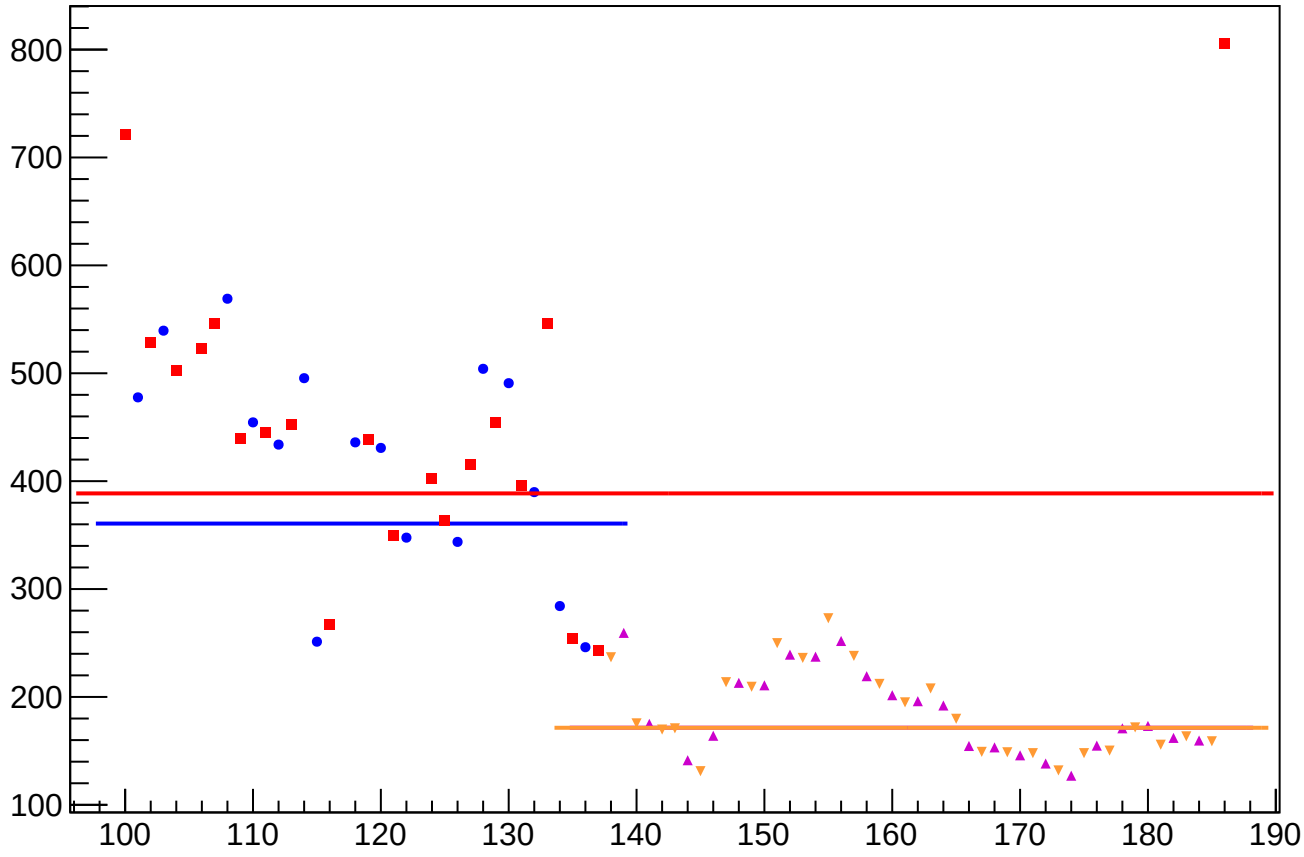
Right Out: 249.561+/-144.343 χ^2/NDF: 14.0/19

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 189.288+/-38.317 χ^2/NDF: 87.6/40

All: 120.703+/-27.475 χ^2/NDF: 136.7/83

- sign 48.124+/-39.417 χ^2/NDF: 42.5/42



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 388.650+/-0.102 χ^2/NDF: 1183980.8/19

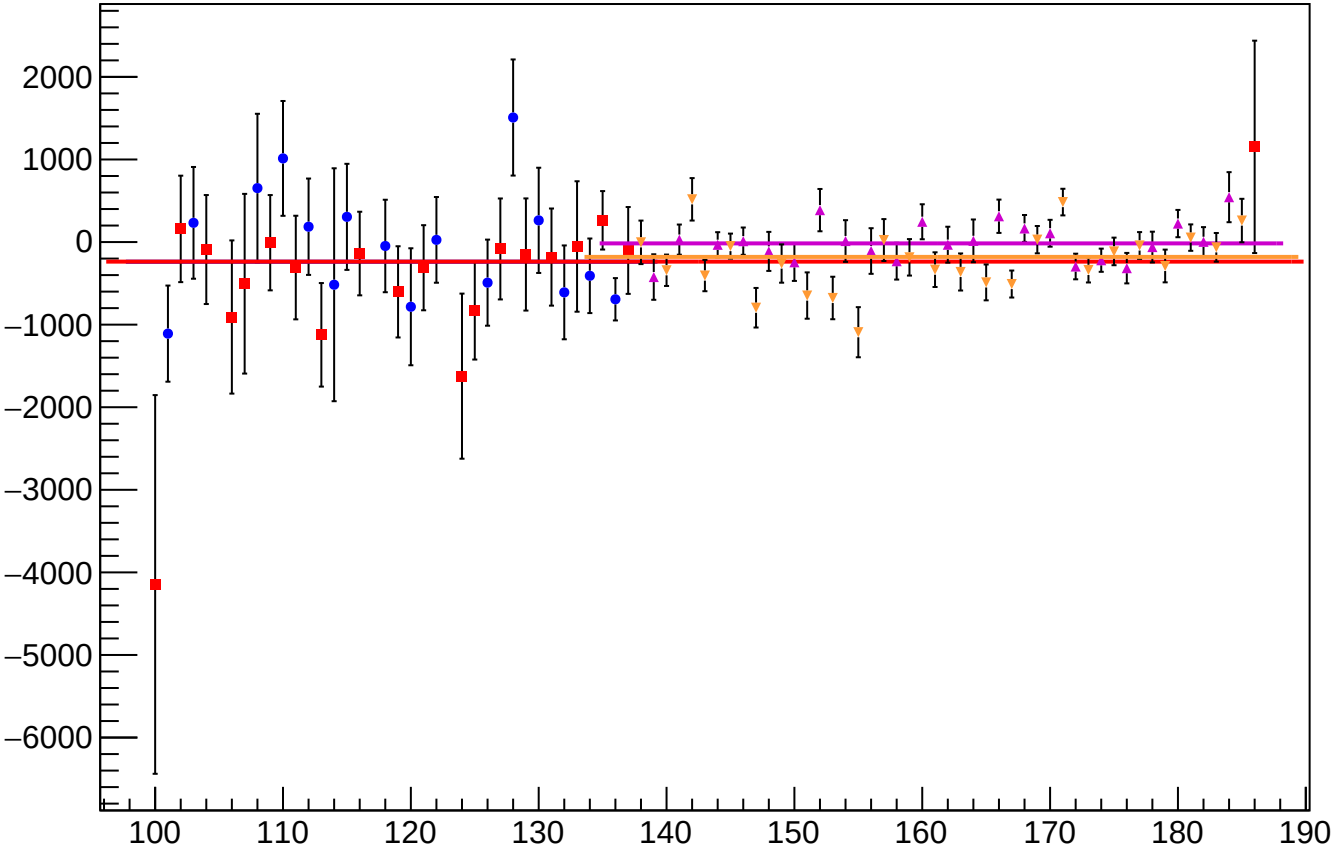
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 185.548+/-0.027 χ^2/NDF: 5988901.5/40

All: 186.586+/-0.019 χ^2/NDF: 12781023.6/83

- sign 187.684+/-0.028 χ^2/NDF: 6789104.0/42

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -236.877+/-139.584 χ^2/NDF: 12.9/19

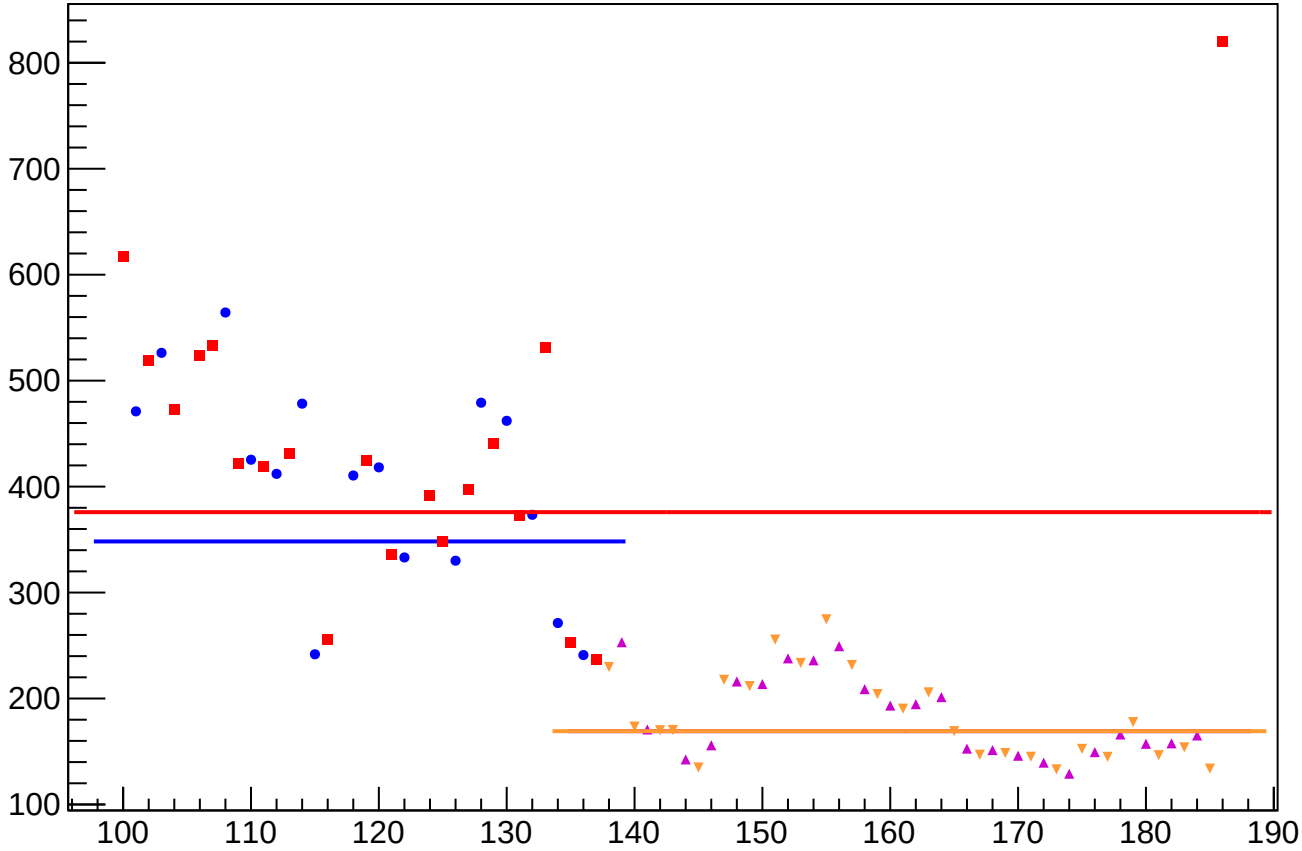
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -184.209+/-37.797 χ^2/NDF: 87.2/40

All: -110.650+/-27.076 χ^2/NDF: 136.8/83

- sign -33.122+/-38.804 χ^2/NDF: 41.8/42

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

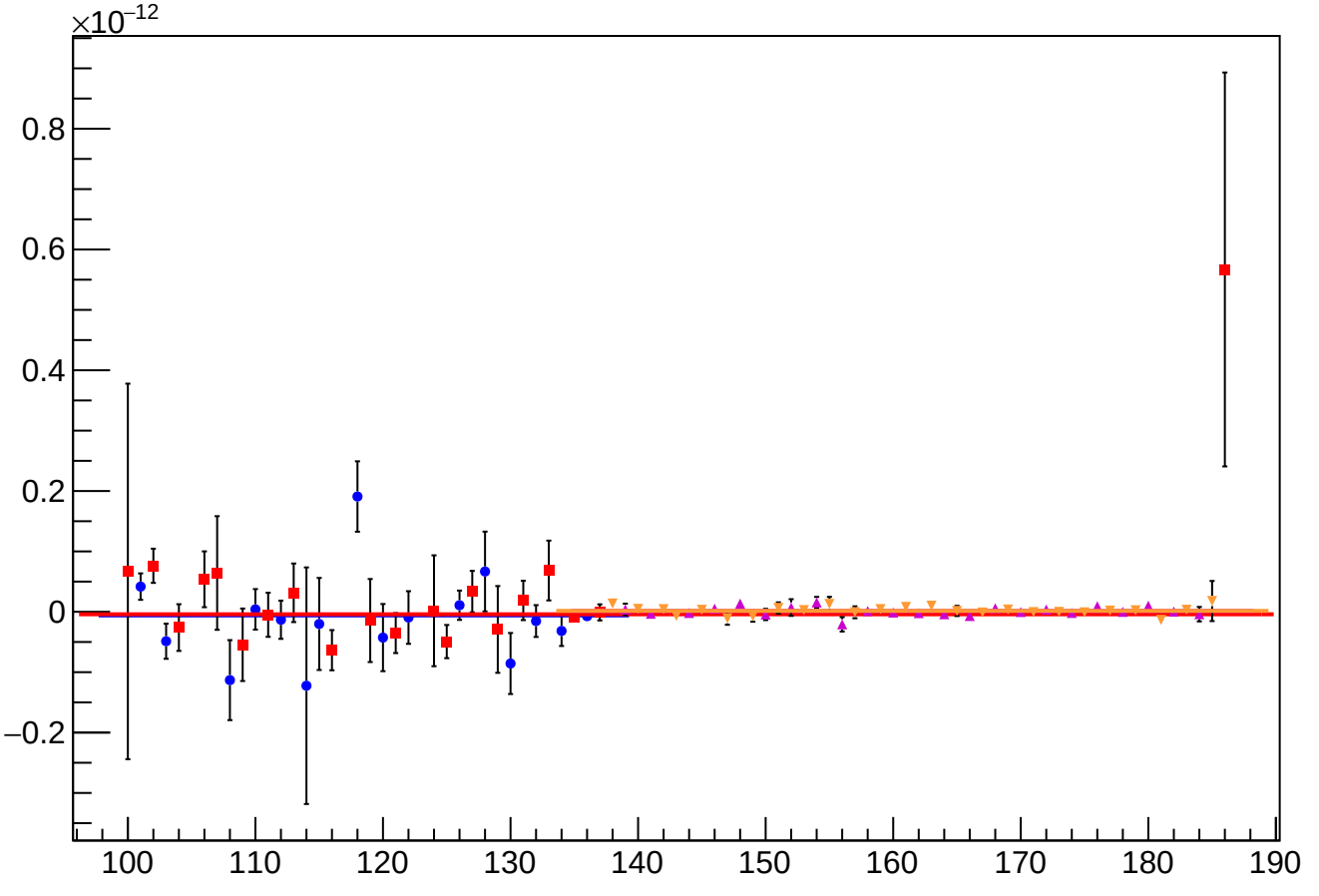
Right Out: 375.880+/-0.099 χ^2/NDF: 1159264.2/19

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 183.147+/-0.027 χ^2/NDF: 5832379.8/40

All: 184.127+/-0.019 χ^2/NDF: 12415327.5/83

- sign 185.161+/-0.027 χ^2/NDF: 6580183.5/42



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

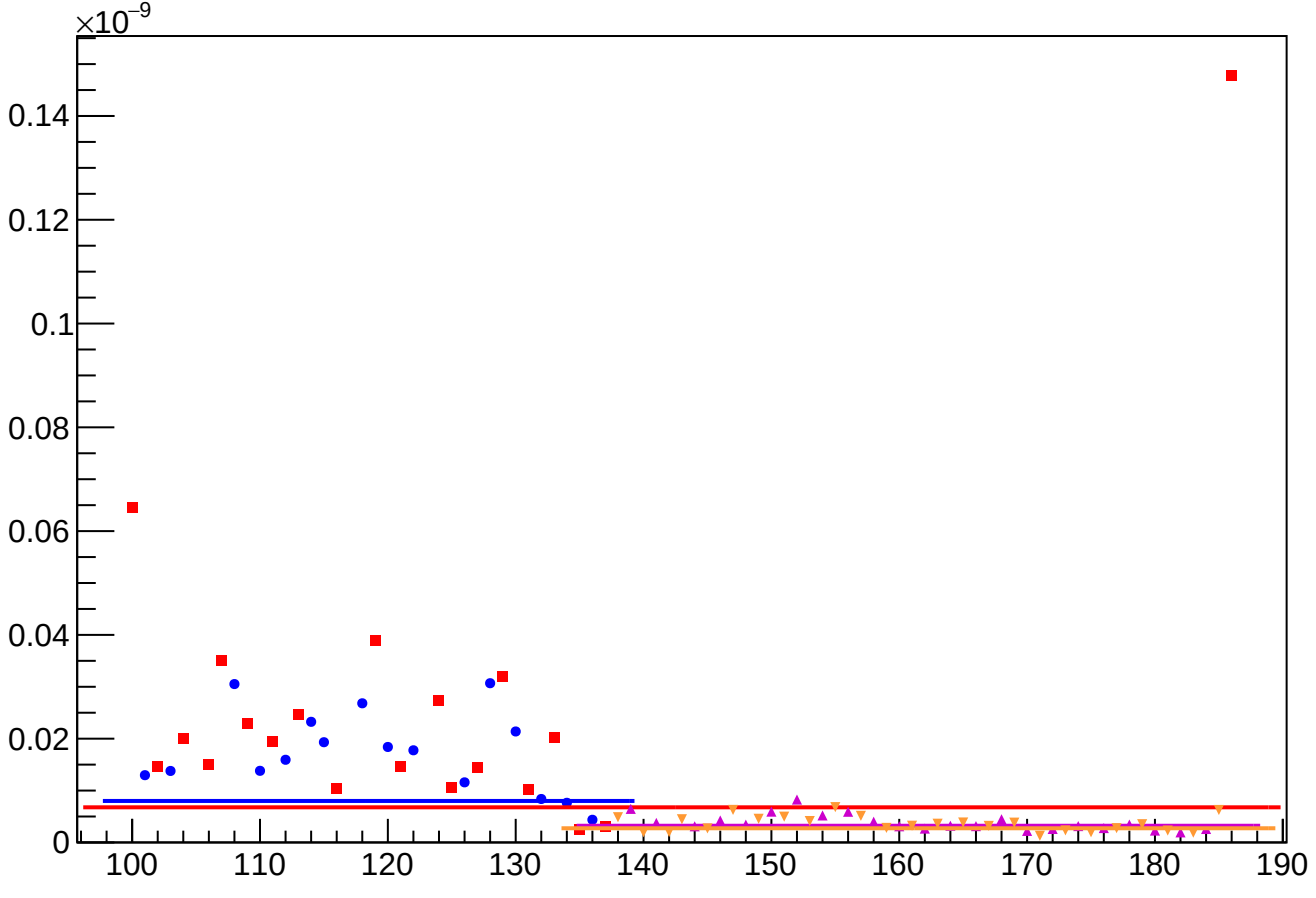
Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/19

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.7/40

All: 0.000+/-0.000 χ^2/NDF: 94.4/83

- sign 0.000+/-0.000 χ^2/NDF: 46.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

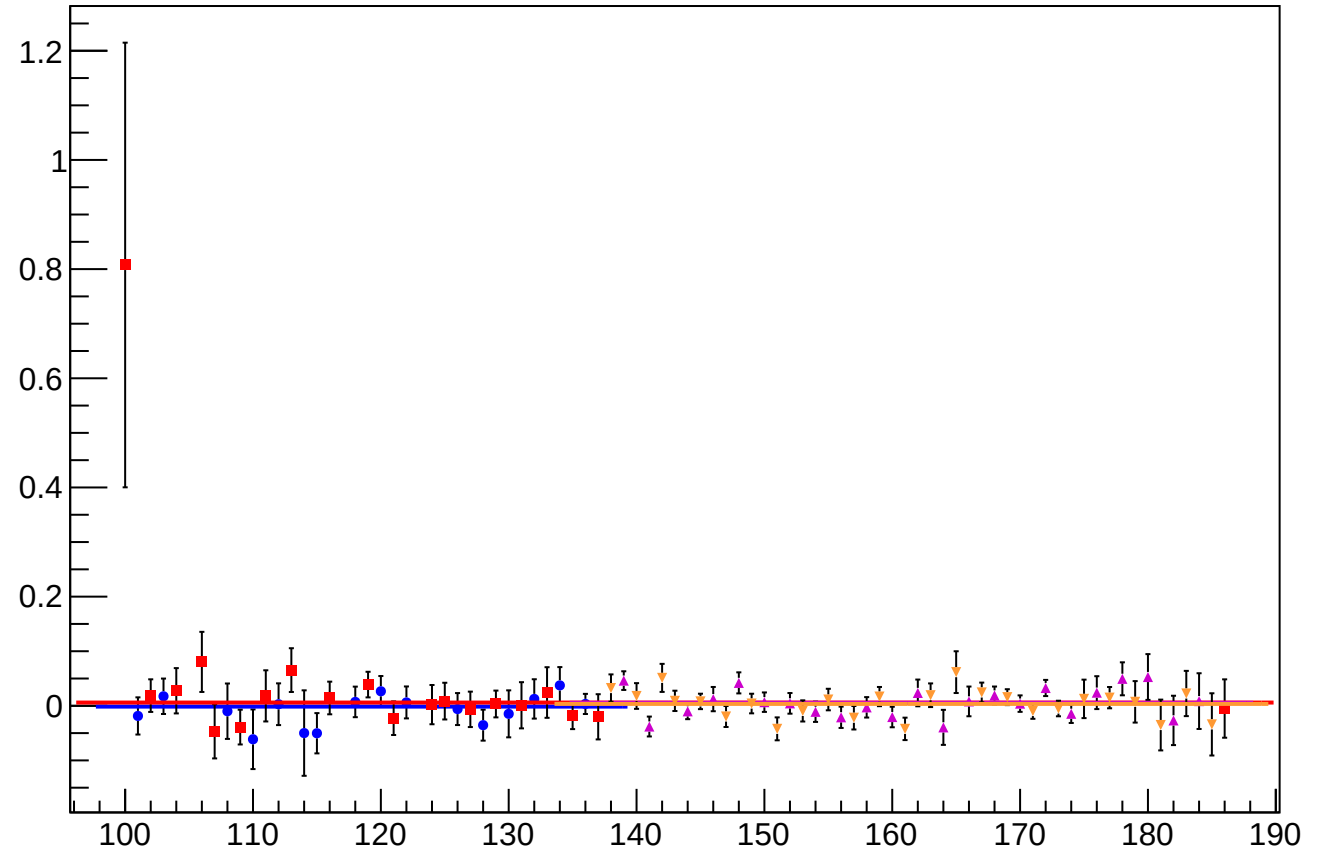
Right Out: 0.000+/-0.000 χ^2/NDF: 3753780.4/19

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5516514.3/40

All: 0.000+/-0.000 χ^2/NDF: 11543915.9/83

- sign 0.000+/-0.000 χ^2/NDF: 5882111.1/42



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

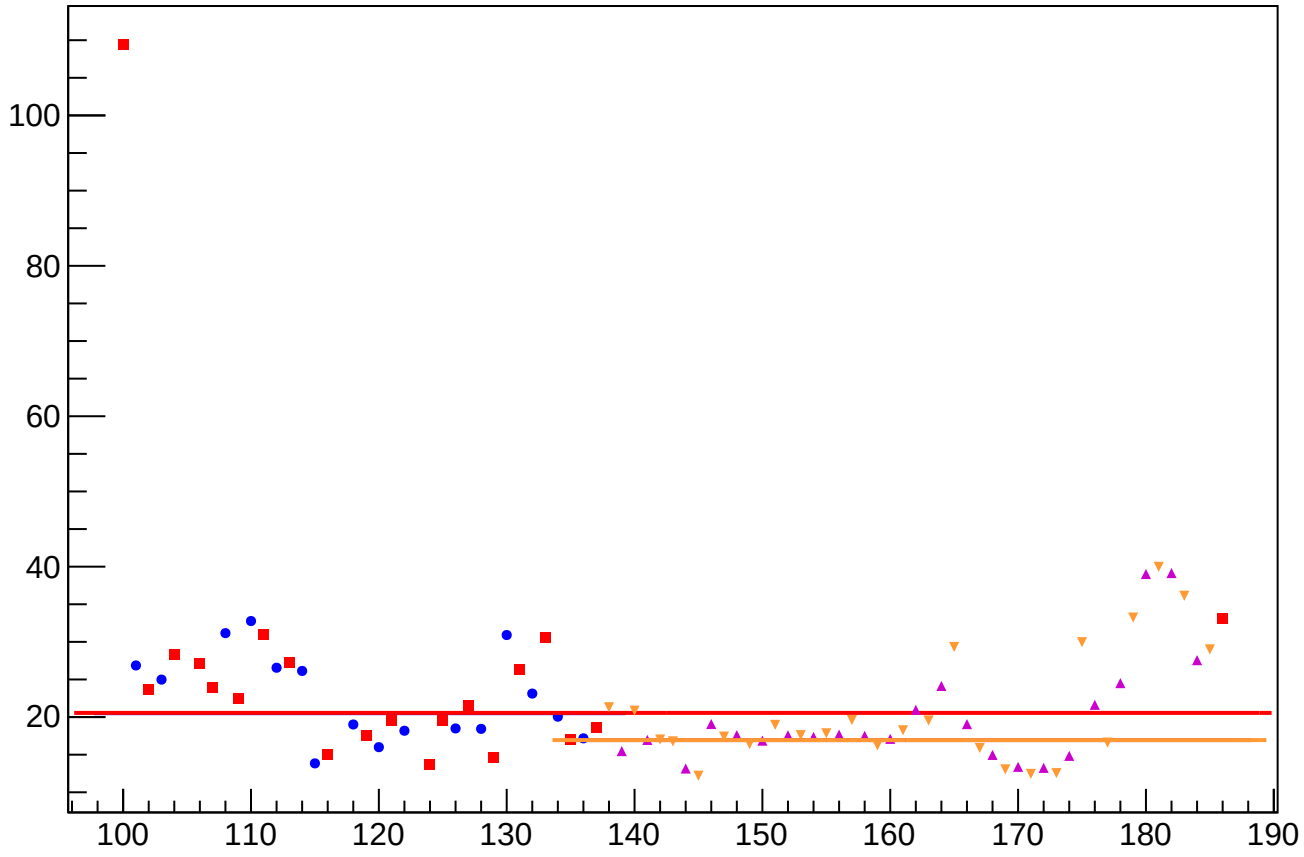
Right Out: 0.006+/-0.008 χ^2/NDF: 16.3/19

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.002+/-0.004 χ^2/NDF: 35.5/40

All: 0.004+/-0.003 χ^2/NDF: 85.4/83

- sign 0.006+/-0.004 χ^2/NDF: 49.5/42



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

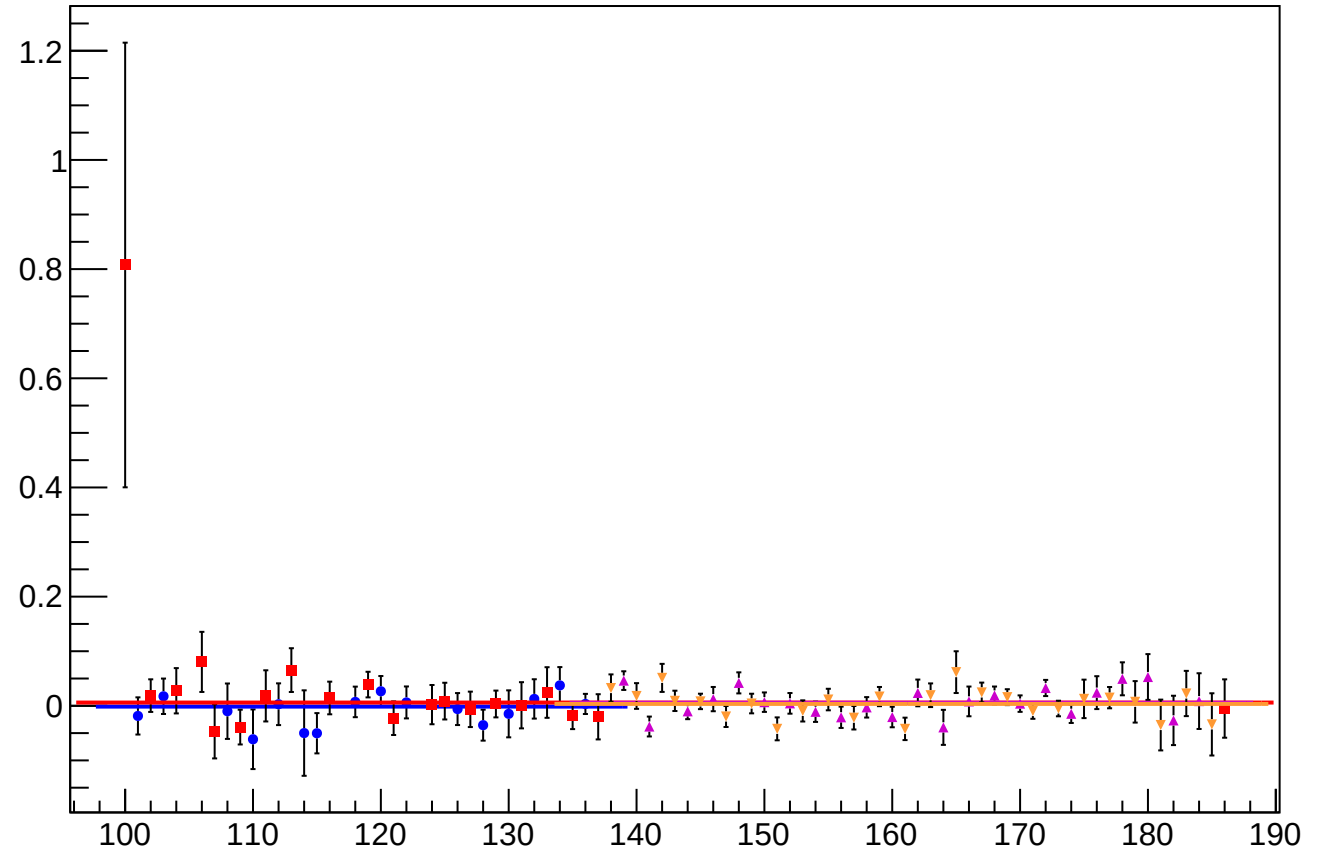
Right Out: 20.555+/-0.006 χ^2/NDF: 977247.7/19

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 17.673+/-0.003 χ^2/NDF: 3857095.0/40

All: 17.712+/-0.002 χ^2/NDF: 7109493.0/83

\- sign 17.752+/-0.003 χ^2/NDF: 3251928.5/42



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

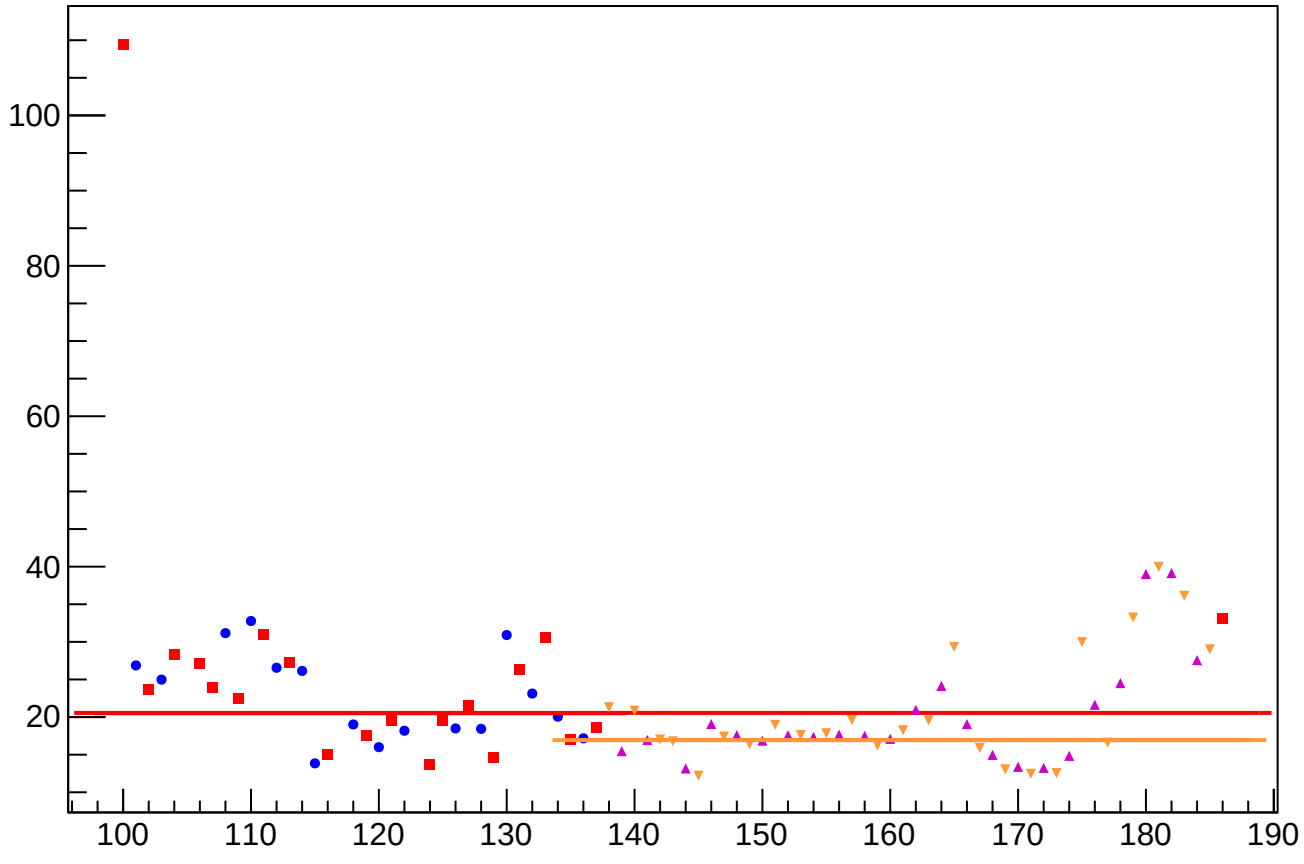
Right Out: 0.006+/-0.008 χ^2/NDF: 16.3/19

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.002+/-0.004 χ^2/NDF: 35.5/40

All: 0.004+/-0.003 χ^2/NDF: 85.4/83

- sign 0.006+/-0.004 χ^2/NDF: 49.5/42



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

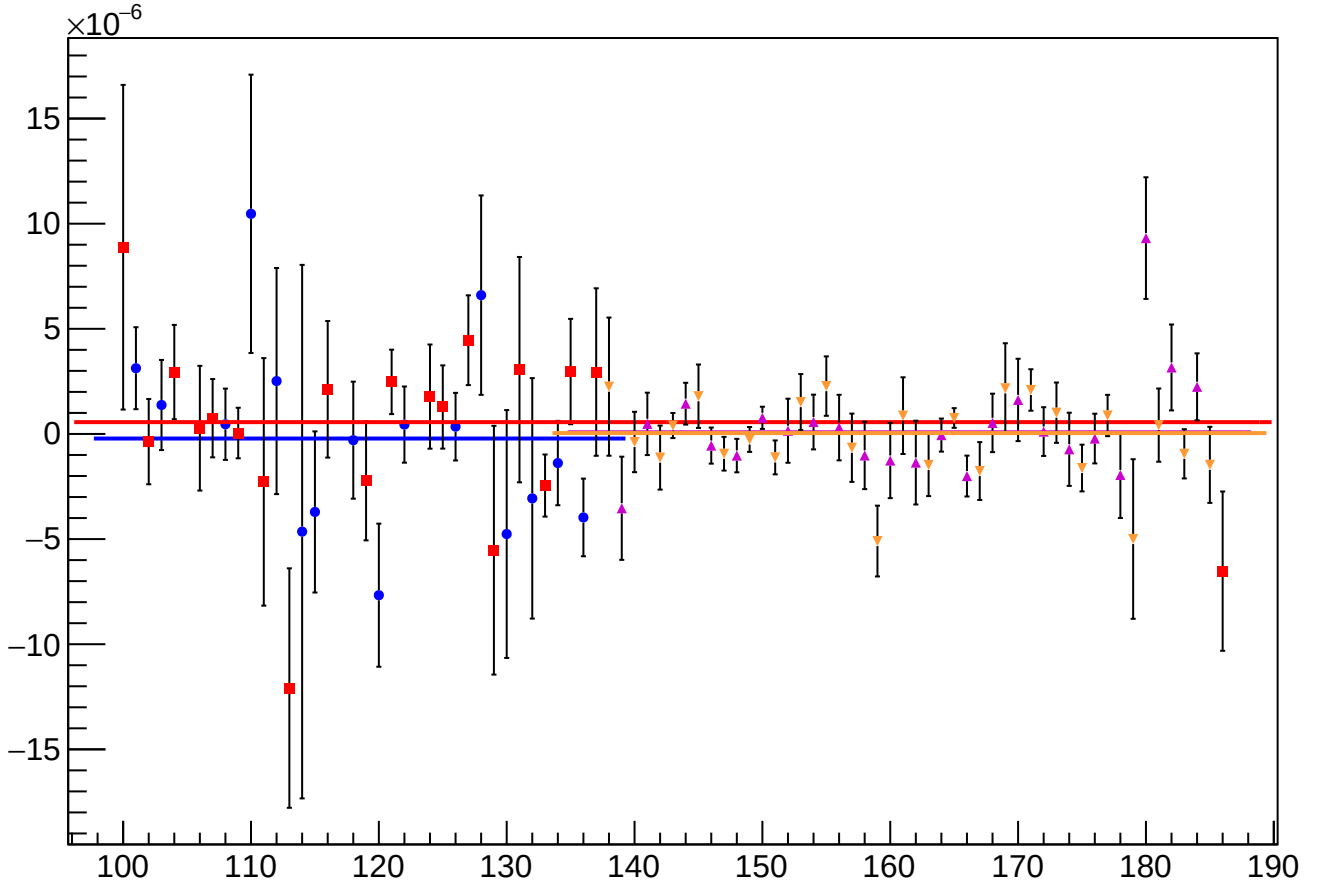
Right Out: 20.555+/-0.006 χ^2/NDF: 977247.7/19

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.673+/-0.003 χ^2/NDF: 3857095.0/40

All: 17.712+/-0.002 χ^2/NDF: 7109493.0/83

- sign 17.752+/-0.003 χ^2/NDF: 3251928.5/42



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

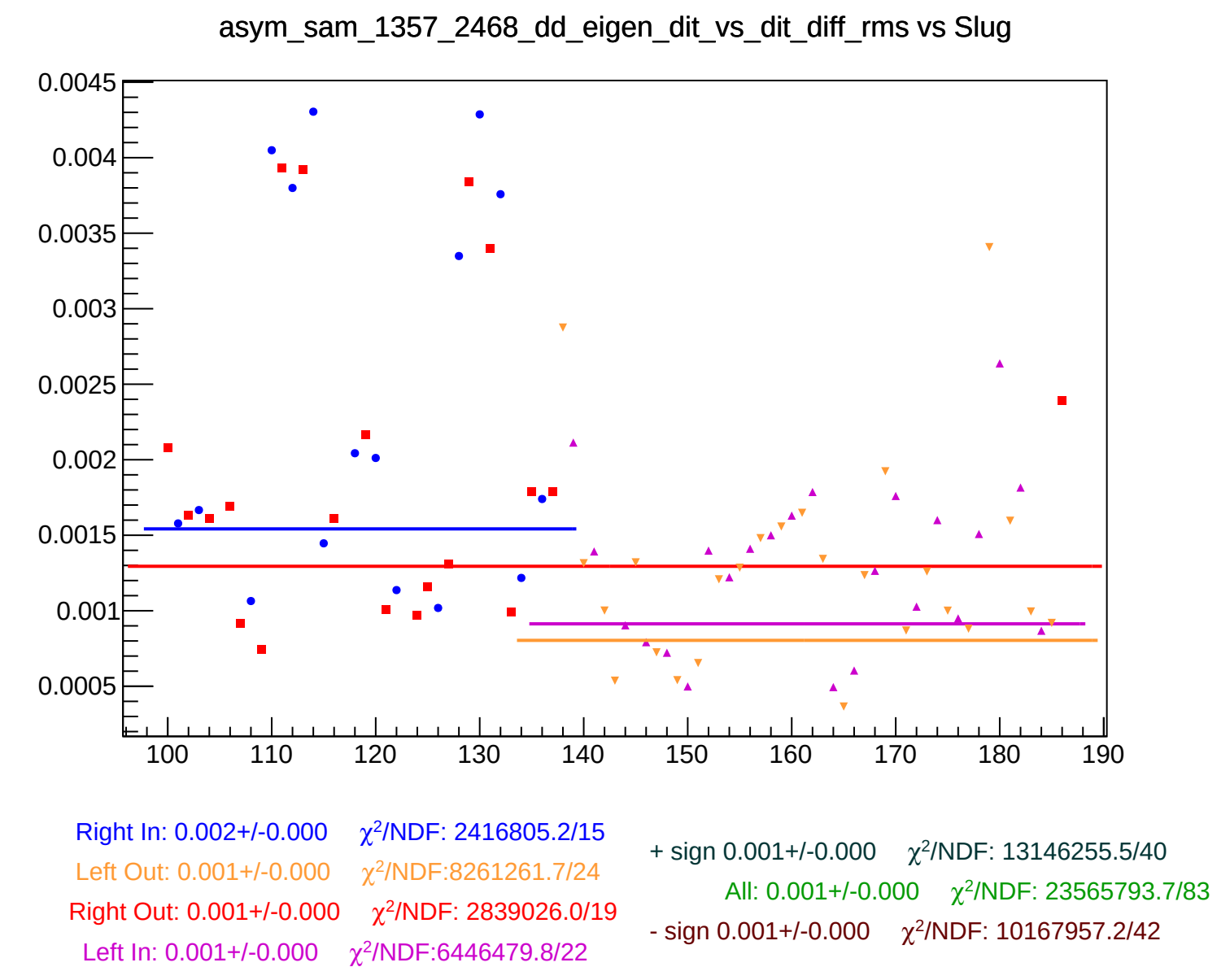
Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/19

Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.2/40

All: 0.000+/-0.000 χ^2/NDF: 113.7/83

- sign 0.000+/-0.000 χ^2/NDF: 56.2/42


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
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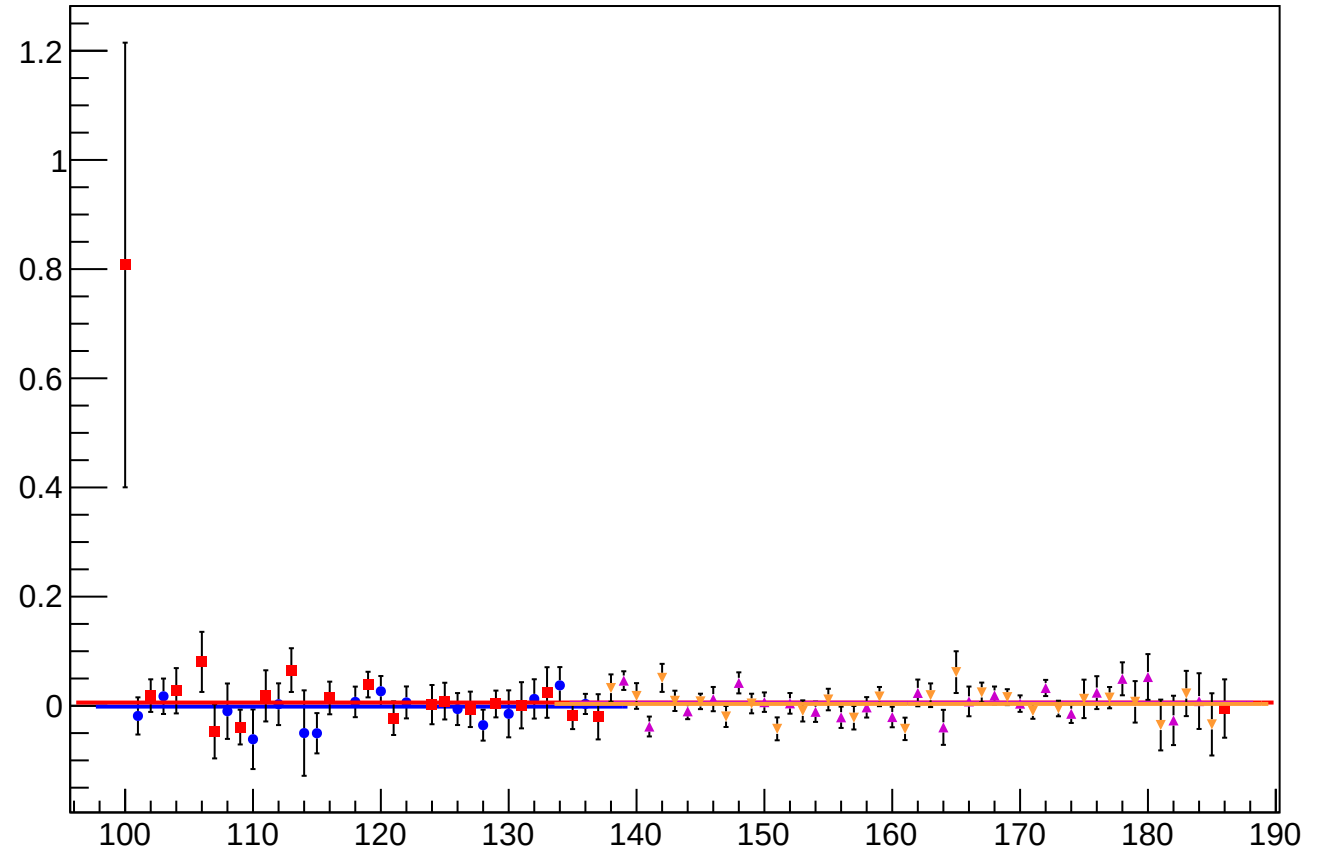
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 2839026.0/19
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 13146255.5/40
All: 0.001+/-0.000 χ²/NDF: 23565793.7/83
- sign 0.001+/-0.000 χ²/NDF: 10167957.2/42



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

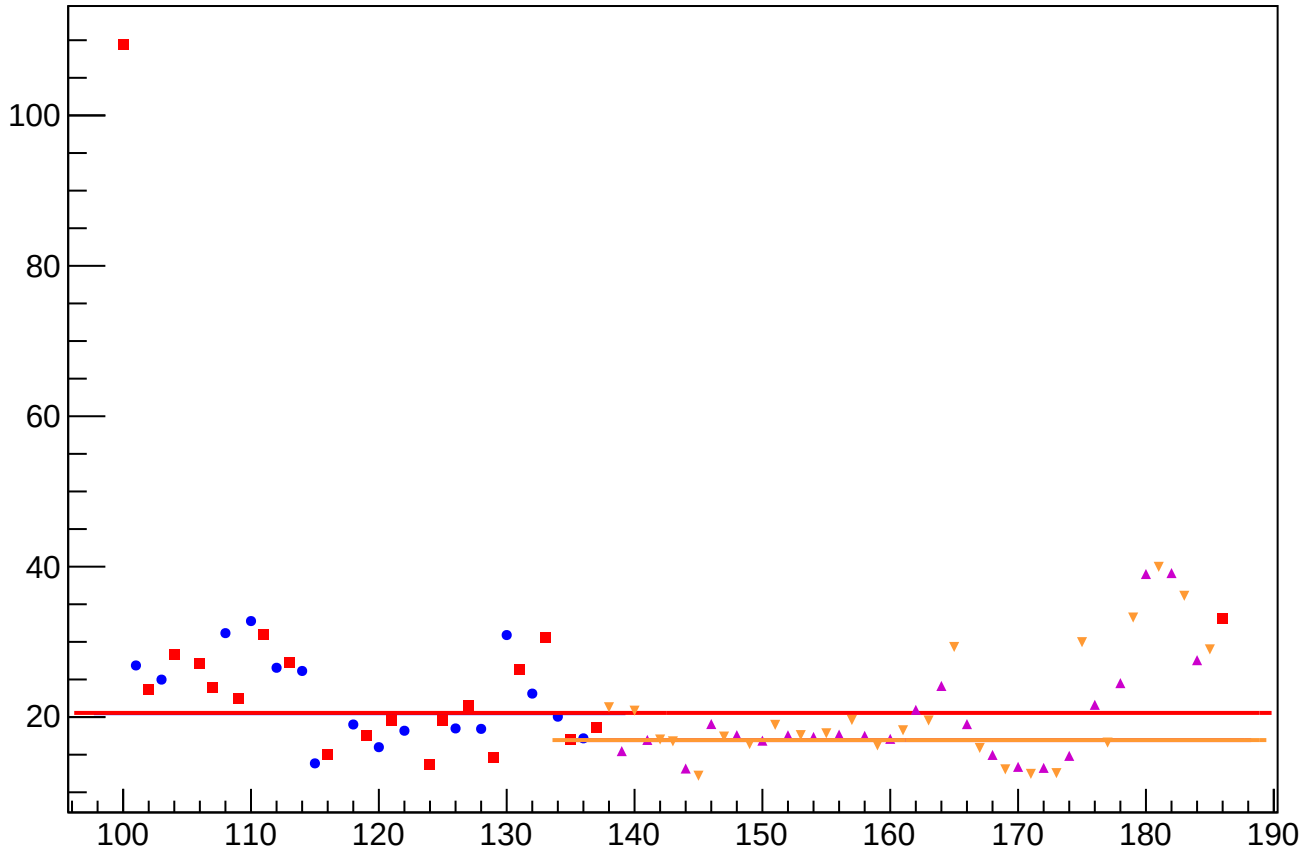
Right Out: 0.006+/-0.008 χ^2/NDF: 16.3/19

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.002+/-0.004 χ^2/NDF: 35.5/40

All: 0.004+/-0.003 χ^2/NDF: 85.4/83

- sign 0.006+/-0.004 χ^2/NDF: 49.5/42



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

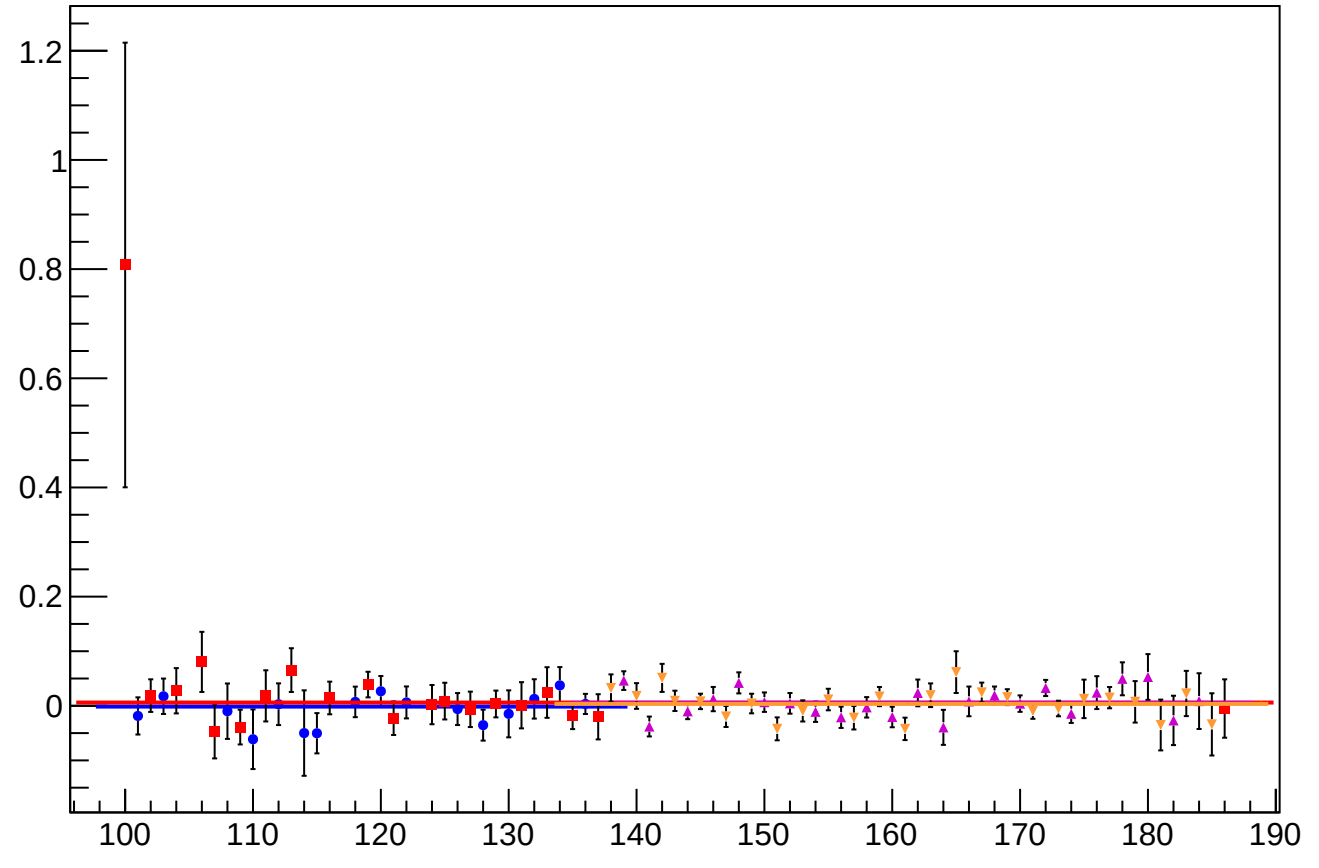
Right Out: 20.554+/-0.006 χ^2/NDF: 977272.2/19

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

\+ sign 17.673+/-0.003 χ^2/NDF: 3856838.3/40

All: 17.712+/-0.002 χ^2/NDF: 7109110.5/83

\- sign 17.752+/-0.003 χ^2/NDF: 3251803.8/42



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

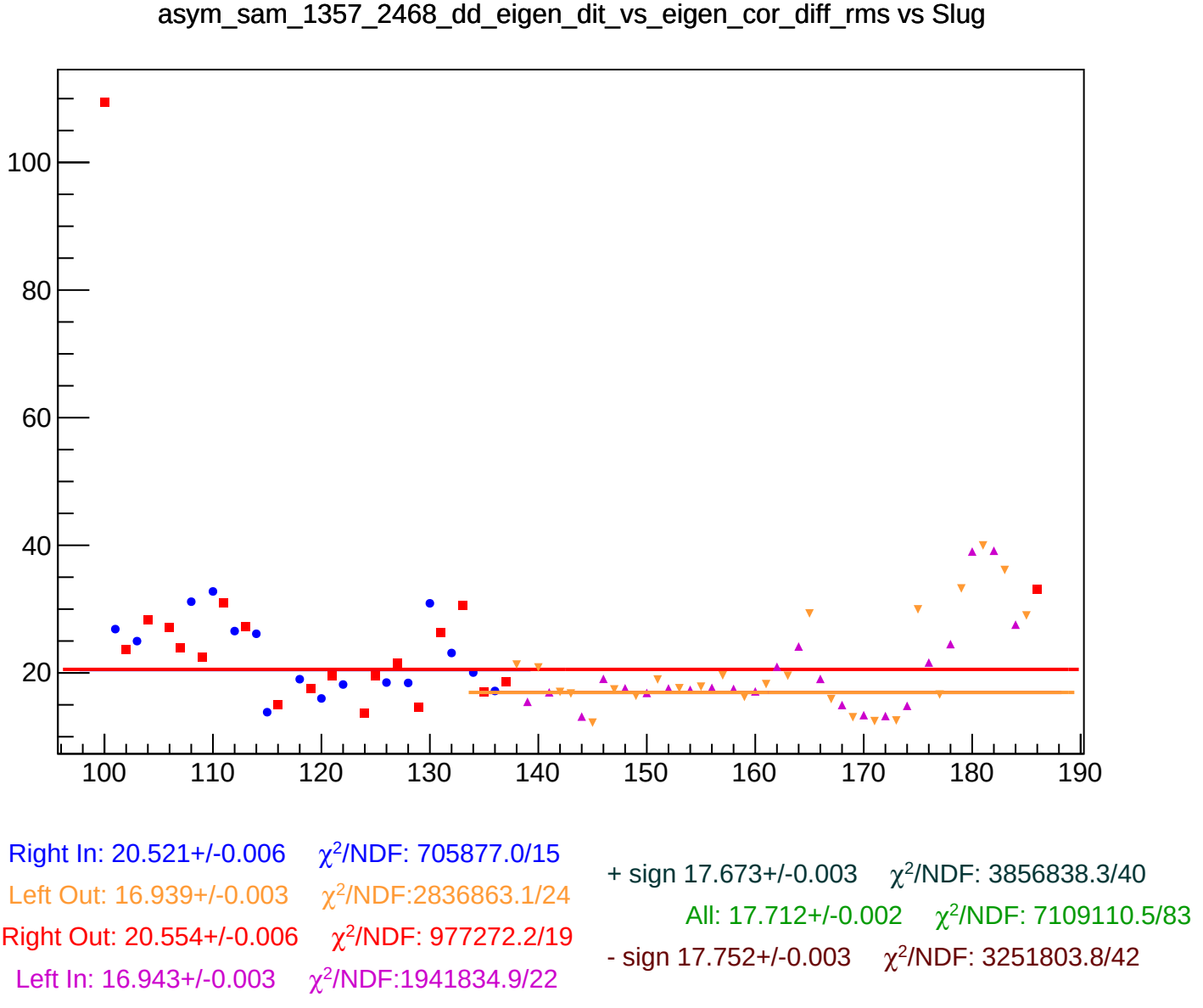
Right Out: 0.006+/-0.008 χ^2/NDF: 16.3/19

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.002+/-0.004 χ^2/NDF: 35.5/40

All: 0.004+/-0.003 χ^2/NDF: 85.4/83

- sign 0.006+/-0.004 χ^2/NDF: 49.5/42


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
80
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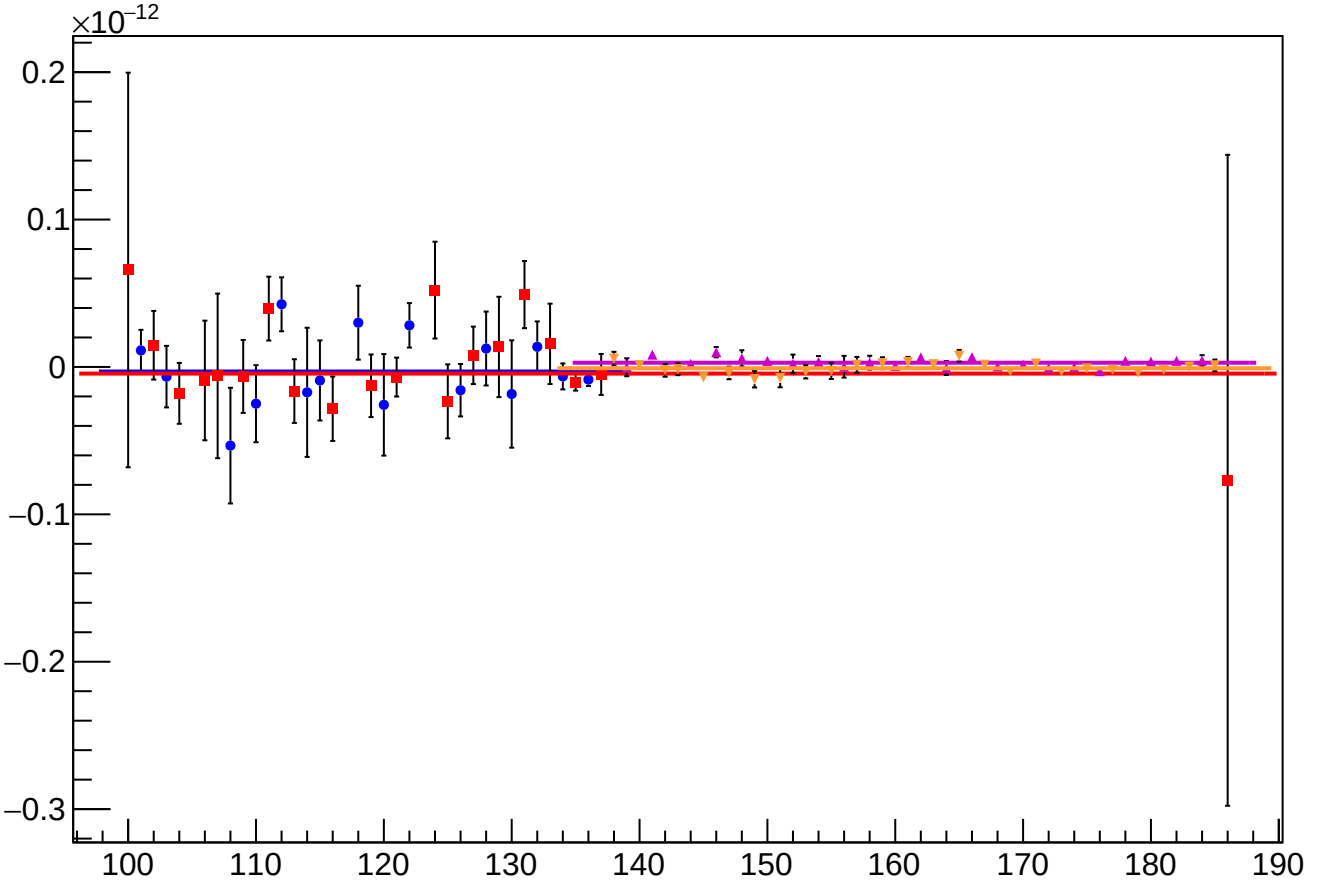
140
150
160
170
180
190
Right In: 20.521+/-0.006 χ²/NDF: 705877.0/15
Left Out: 16.939+/-0.003 χ²/NDF:2836863.1/24
Right Out: 20.554+/-0.006 χ²/NDF: 977272.2/19
Left In: 16.943+/-0.003 χ²/NDF:1941834.9/22
+ sign 17.673+/-0.003 χ²/NDF: 3856838.3/40
All: 17.712+/-0.002 χ²/NDF: 7109110.5/83
- sign 17.752+/-0.003 χ²/NDF: 3251803.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

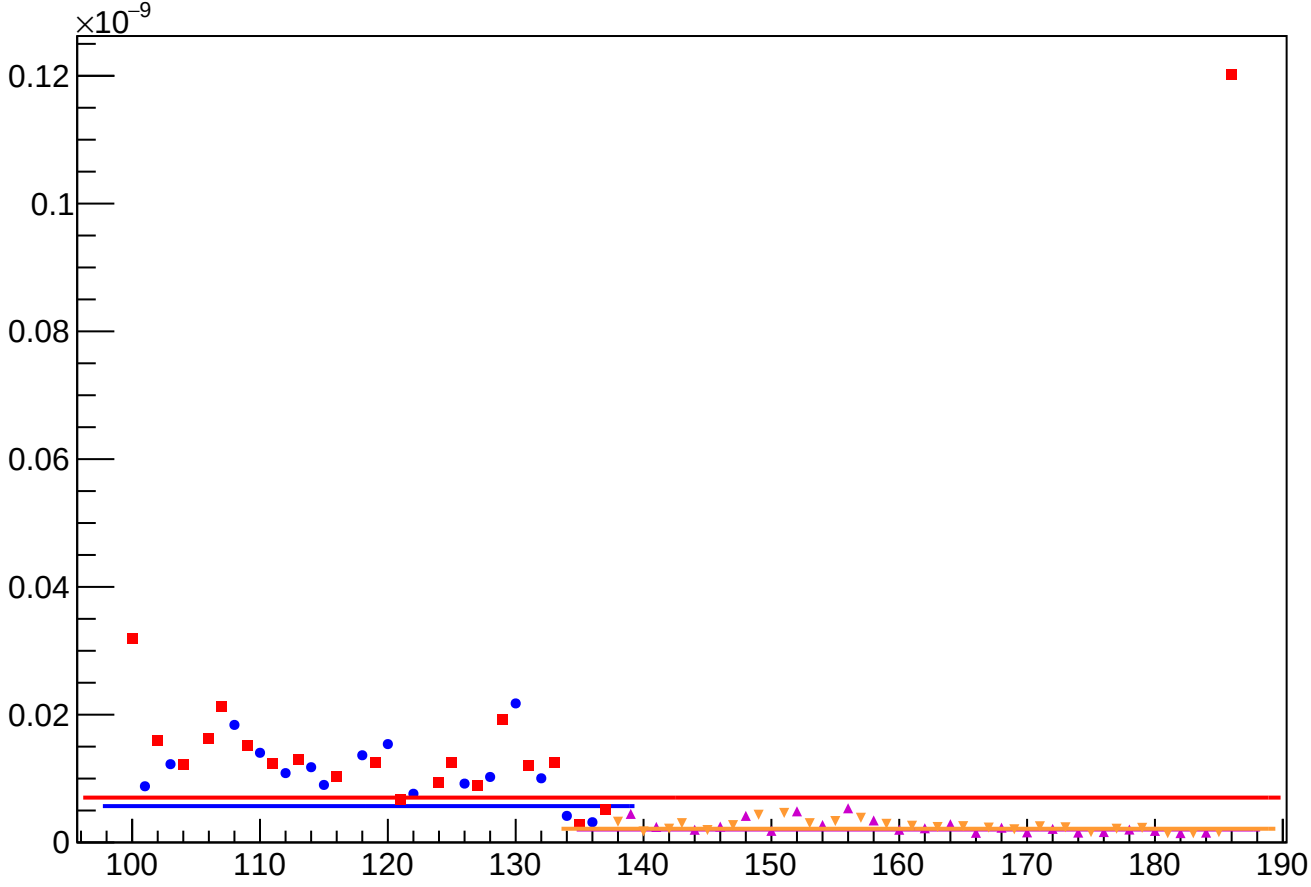
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/19

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.0/40

All: 0.000+/-0.000 χ^2/NDF: 106.2/83

- sign 0.000+/-0.000 χ^2/NDF: 45.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3632919.0/19

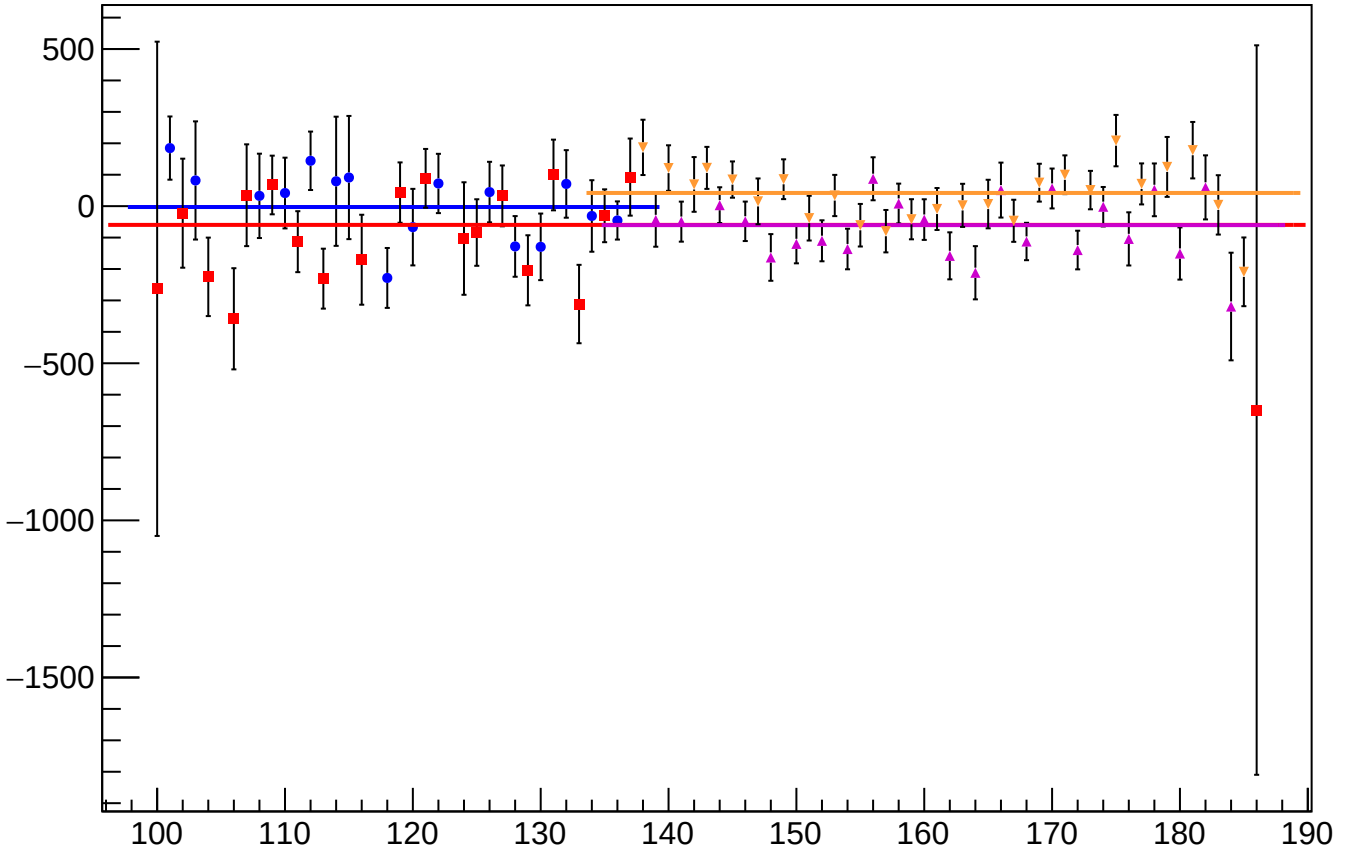
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7171370.8/40

All: 0.000+/-0.000 χ^2/NDF: 16478976.3/83

- sign 0.000+/-0.000 χ^2/NDF: 9268306.5/42

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -59.653+/-26.376 χ^2/NDF: 26.0/19

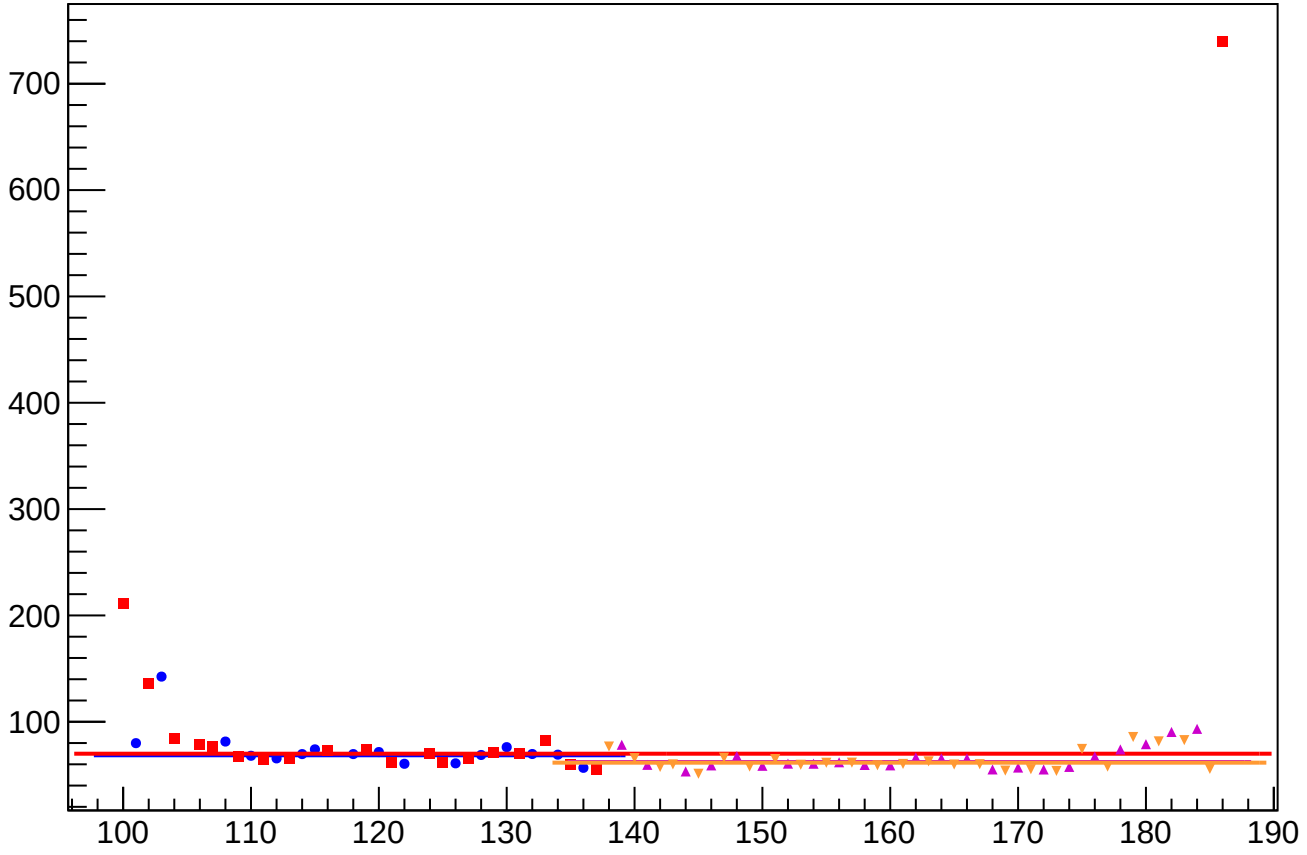
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.874+/-12.473 χ^2/NDF: 52.0/40

All: -12.796+/-8.950 χ^2/NDF: 136.6/83

- sign -60.205+/-12.850 χ^2/NDF: 58.2/42

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 69.966+/-0.019 χ^2/NDF: 1186523.5/19

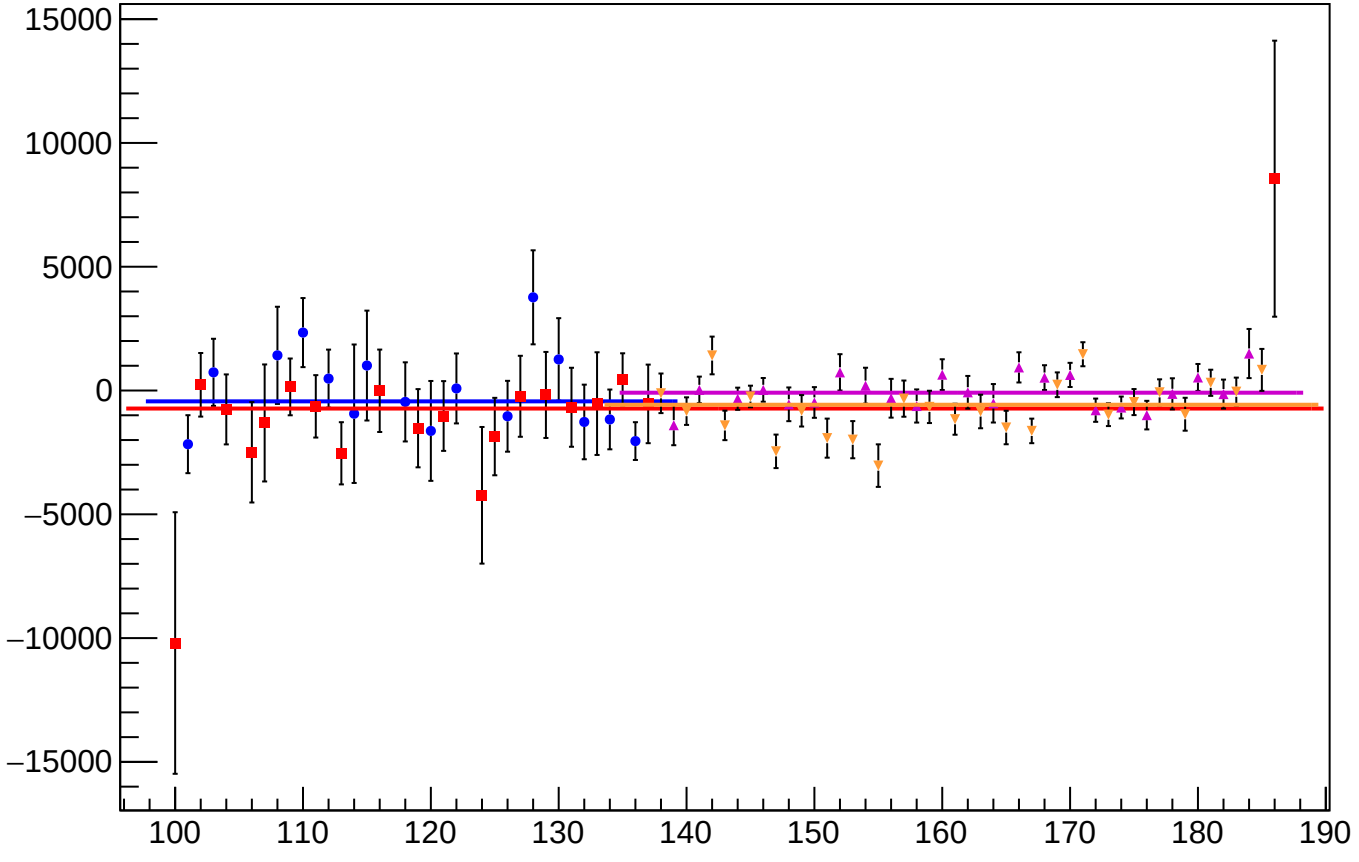
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.119+/-0.009 χ^2/NDF: 1218602.9/40

All: 63.547+/-0.006 χ^2/NDF: 3140857.7/83

- sign 64.001+/-0.009 χ^2/NDF: 1917401.8/42

asym_sam_12345678_avg_reg_correction_mean vs Slug



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

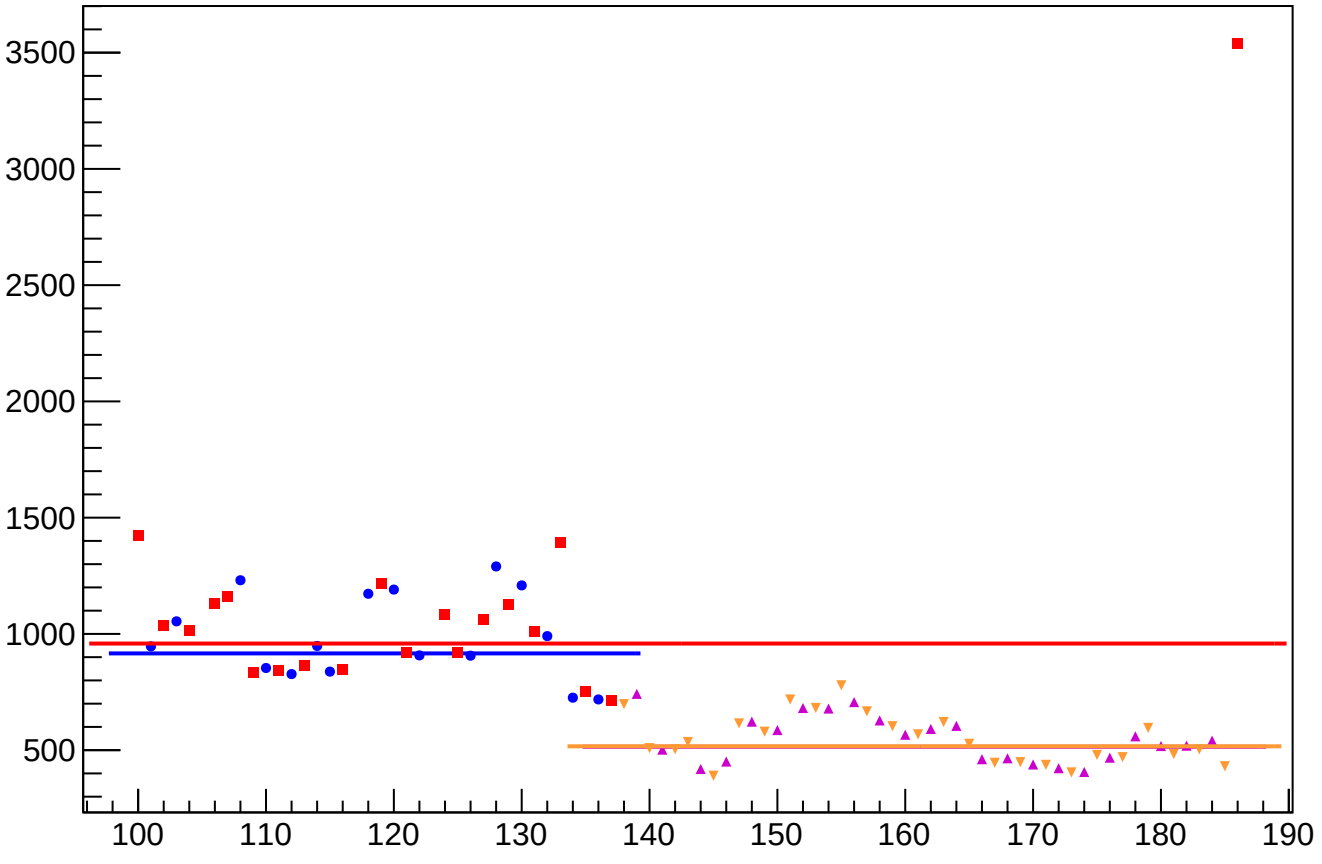
Right Out: -728.102+/-352.346 χ^2/NDF: 14.1/19

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -560.342+/-113.252 χ^2/NDF: 89.5/40

All: -363.139+/-80.933 χ^2/NDF: 137.3/83

- sign -157.318+/-115.700 χ^2/NDF: 41.6/42



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 958.585+/-0.249 χ^2/NDF: 845424.2/19

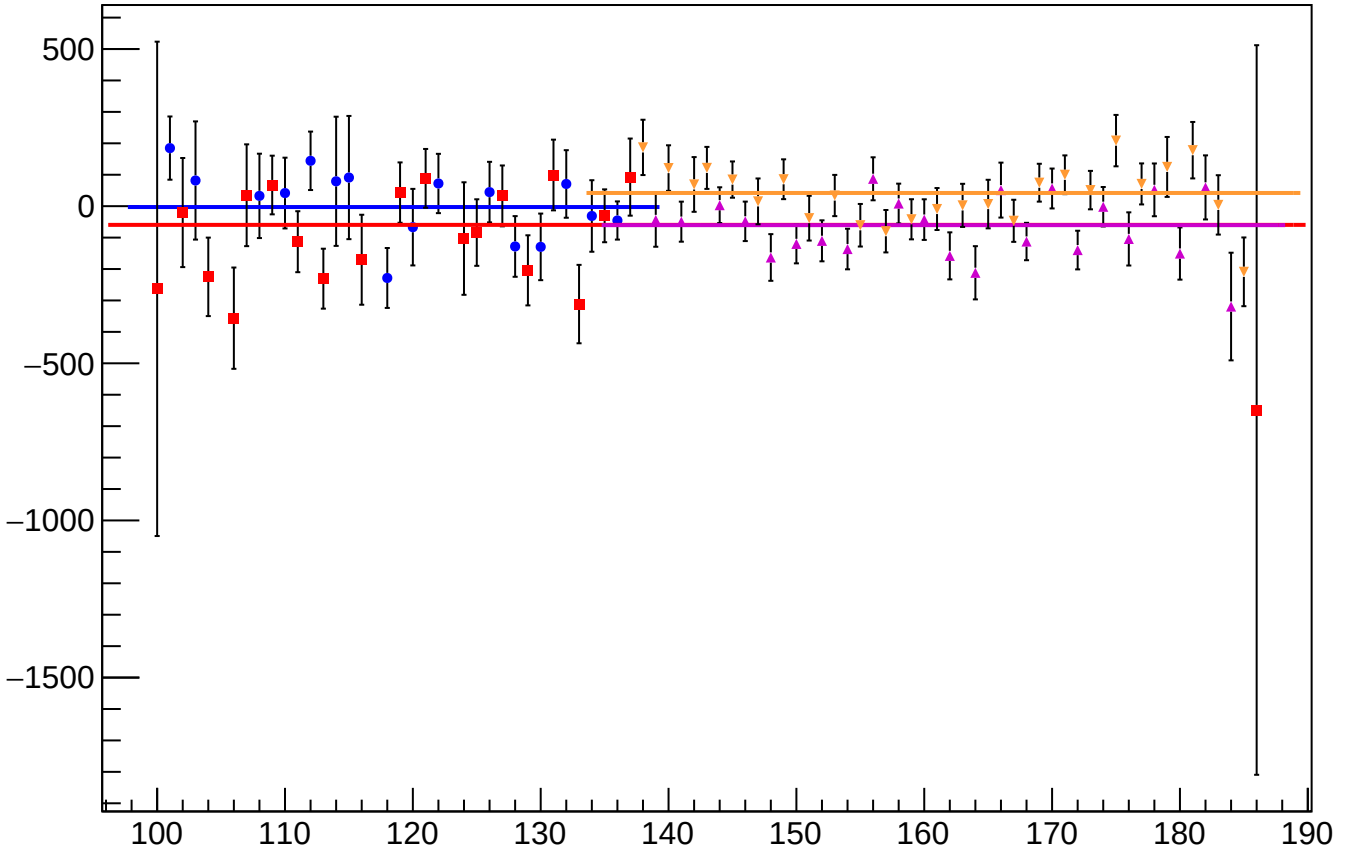
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

\+ sign 558.737+/-0.080 χ^2/NDF: 4120835.3/40

All: 560.644+/-0.057 χ^2/NDF: 8918742.1/83

\- sign 562.635+/-0.082 χ^2/NDF: 4796747.3/42

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -59.531+/-26.377 χ^2/NDF: 25.9/19

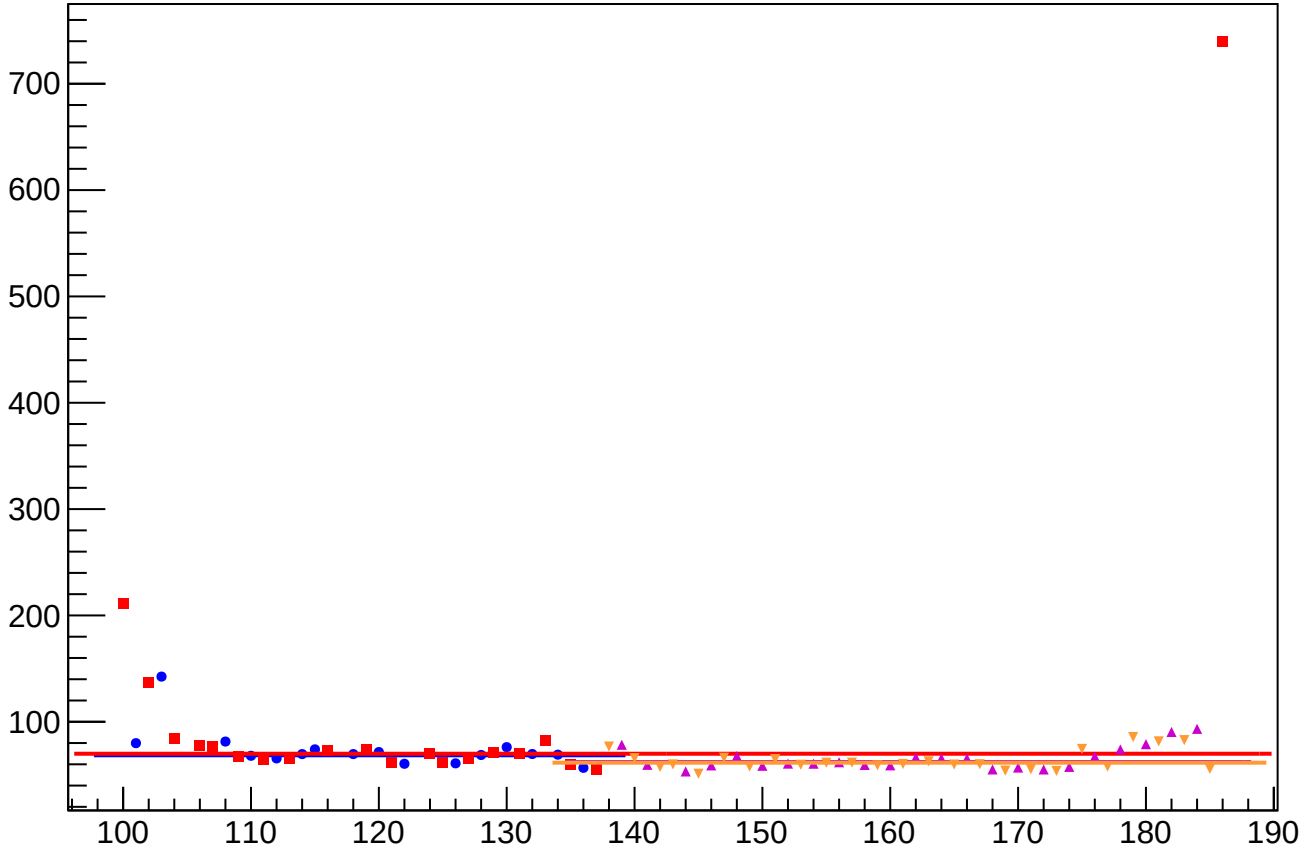
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.876+/-12.473 χ^2/NDF: 52.0/40

All: -12.780+/-8.950 χ^2/NDF: 136.5/83

- sign -60.175+/-12.850 χ^2/NDF: 58.1/42

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

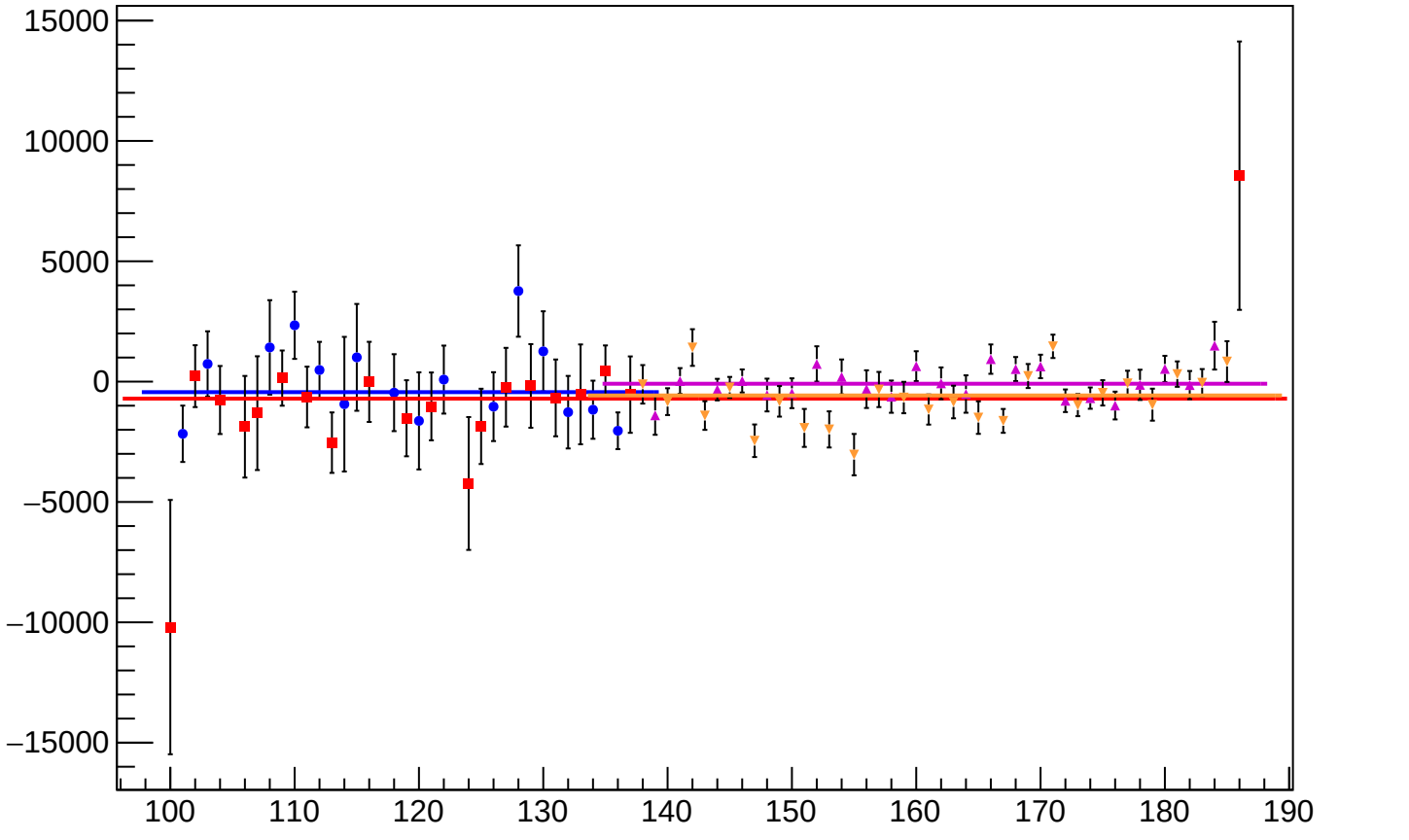
Right Out: 69.946+/-0.019 χ^2/NDF: 1185946.8/19

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.119+/-0.009 χ^2/NDF: 1218605.9/40

All: 63.544+/-0.006 χ^2/NDF: 3139566.1/83

- sign 63.996+/-0.009 χ^2/NDF: 1916158.5/42



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: -707.141+/-352.780 χ^2/NDF: 13.6/19

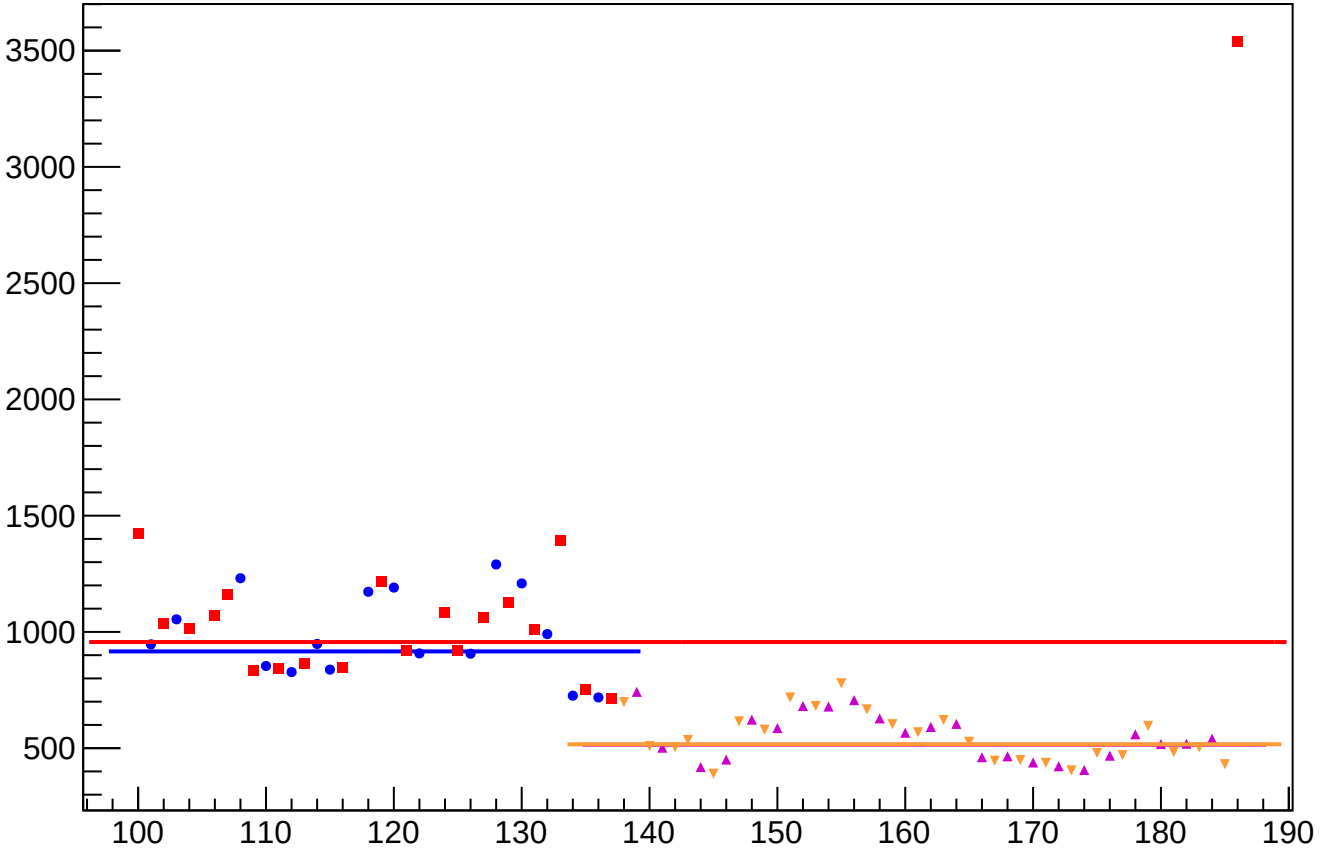
Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -560.333+/-113.252 χ^2/NDF: 89.5/40

All: -361.983+/-80.938 χ^2/NDF: 136.7/83

- sign -154.911+/-115.715 χ^2/NDF: 41.0/42

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

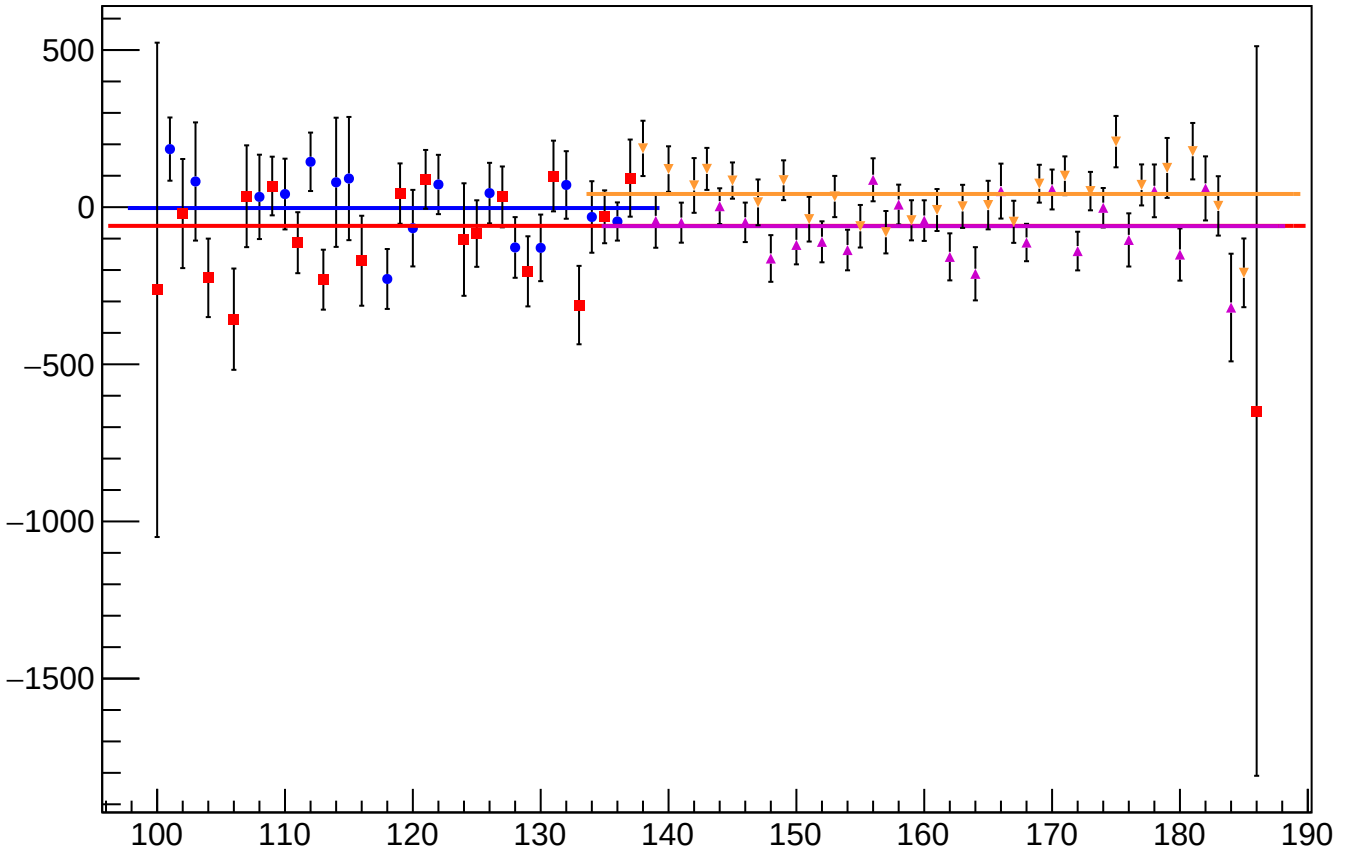
Right Out: 956.476+/-0.249 χ^2/NDF: 836351.0/19

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

\+ sign 558.736+/-0.080 χ^2/NDF: 4120884.8/40

All: 560.482+/-0.057 χ^2/NDF: 8876545.3/83

\- sign 562.304+/-0.082 χ^2/NDF: 4754689.8/42



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -59.531+/-26.377 χ^2/NDF: 25.9/19

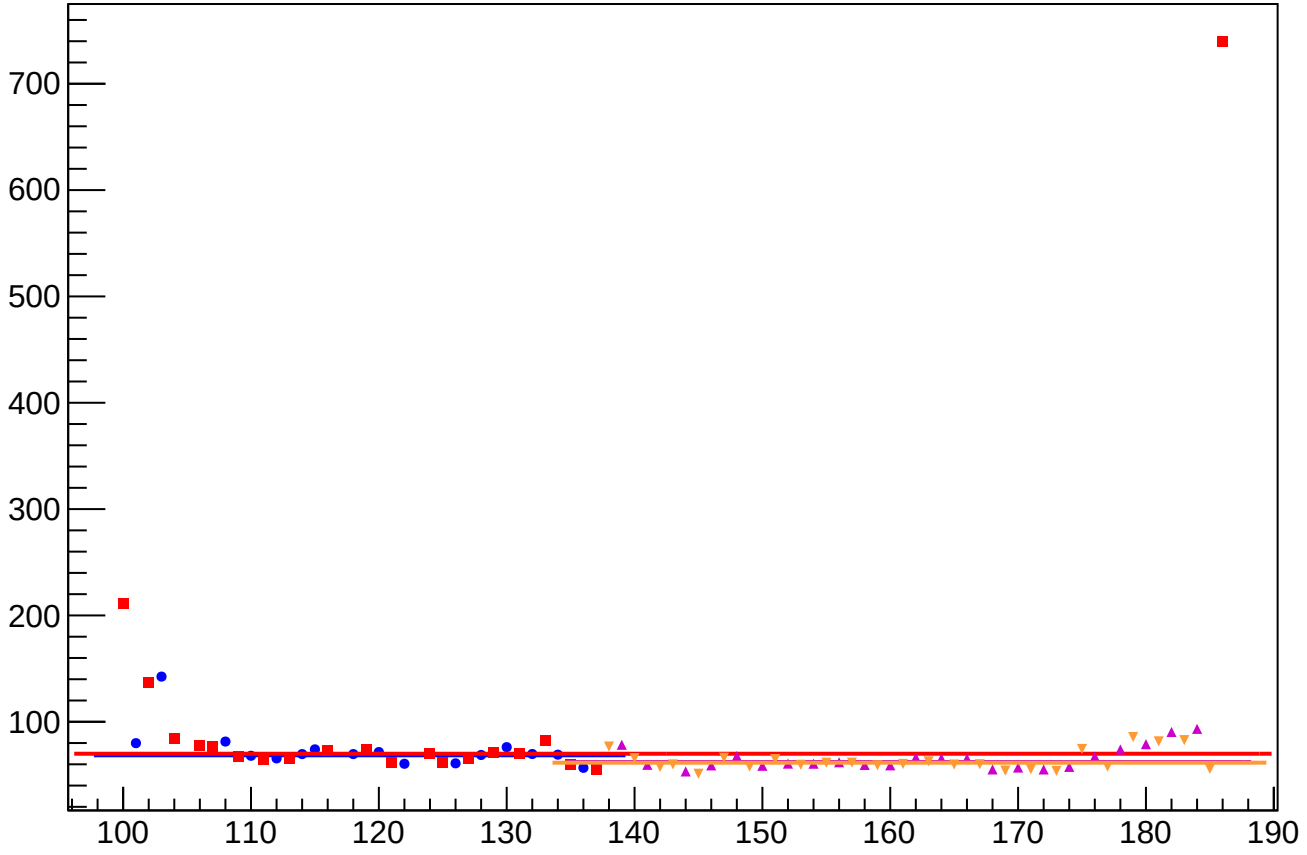
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.876+/-12.473 χ^2/NDF: 52.0/40

All: -12.780+/-8.950 χ^2/NDF: 136.5/83

- sign -60.175+/-12.850 χ^2/NDF: 58.1/42

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

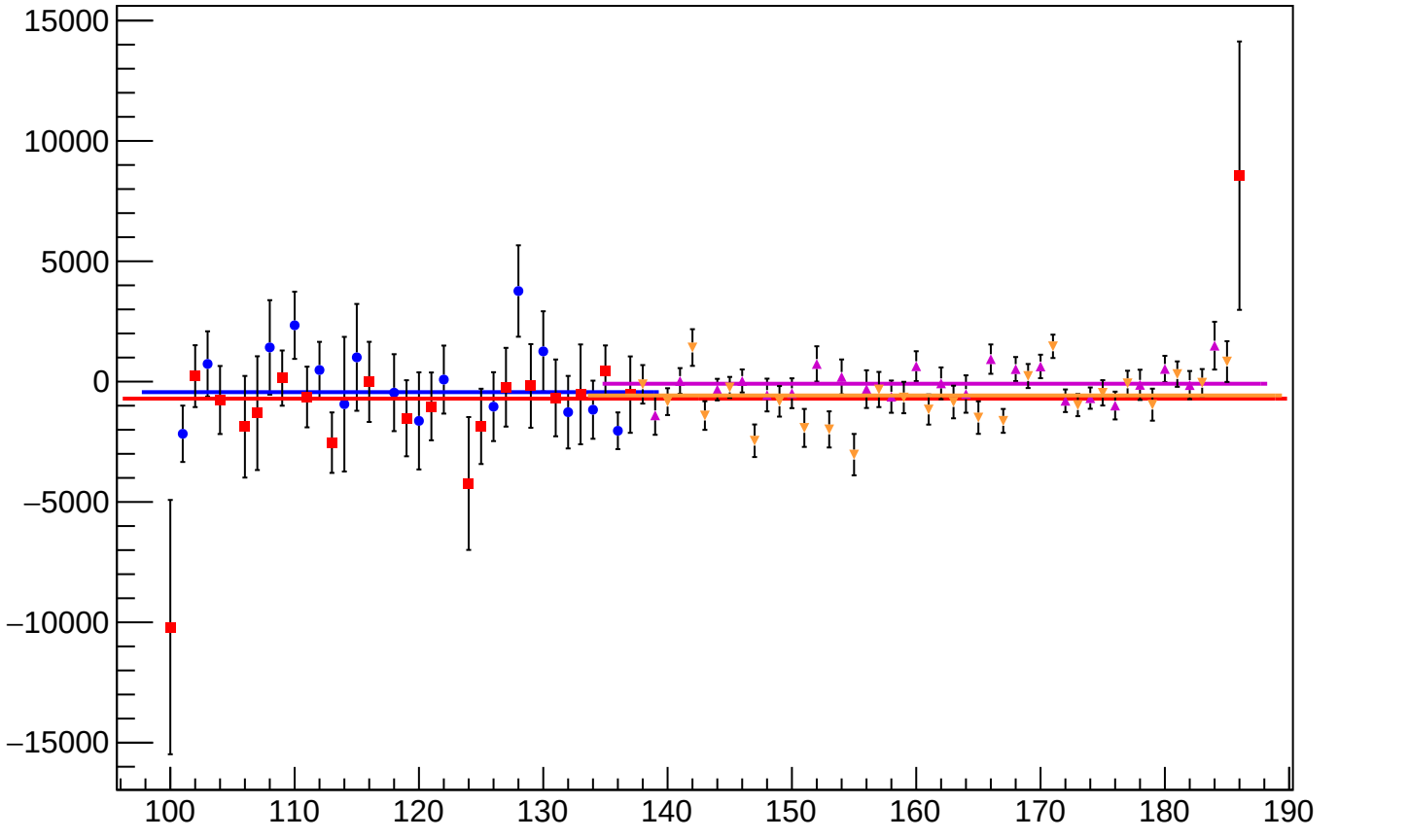
Right Out: 69.946+/-0.019 χ^2/NDF: 1185946.8/19

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.119+/-0.009 χ^2/NDF: 1218605.9/40

All: 63.544+/-0.006 χ^2/NDF: 3139566.1/83

- sign 63.996+/-0.009 χ^2/NDF: 1916158.5/42



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

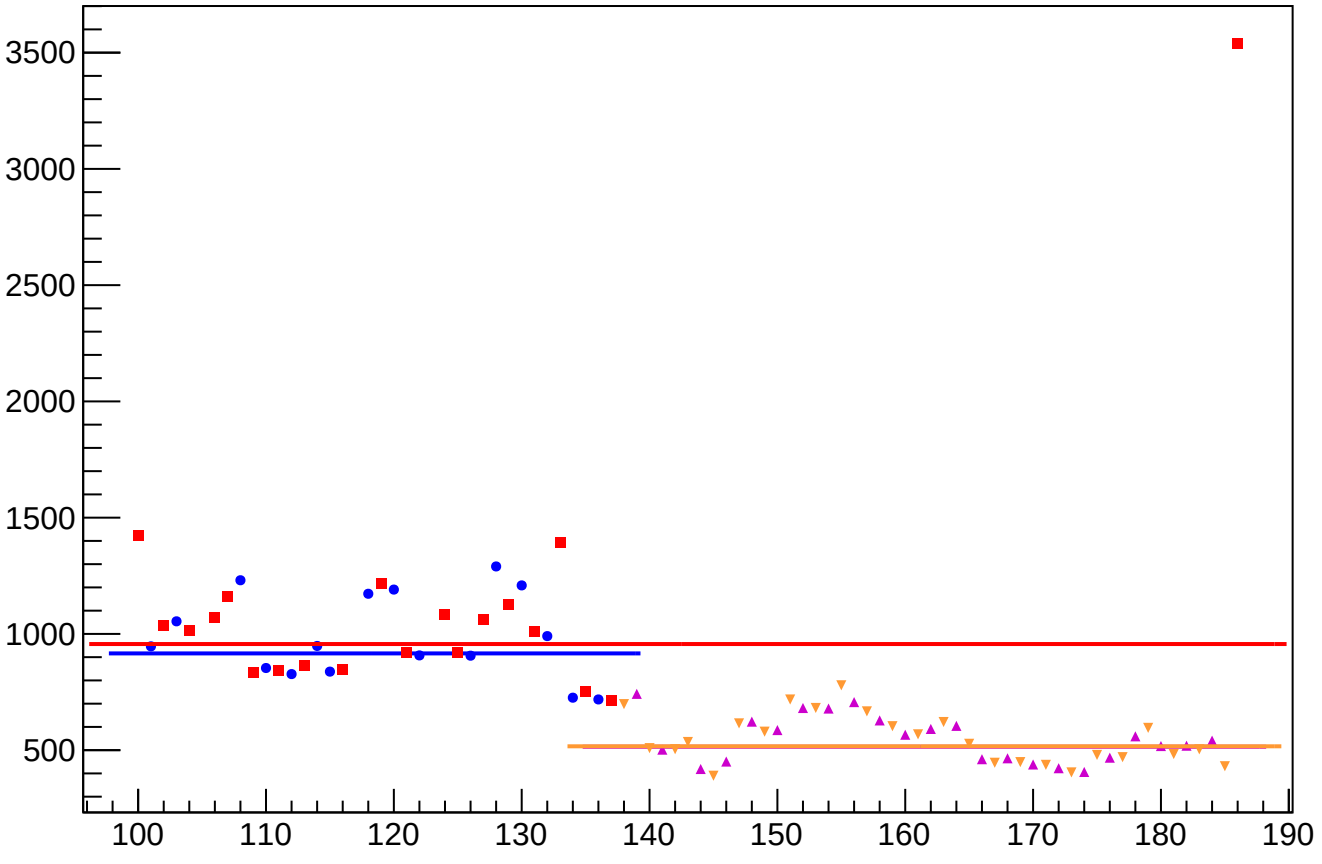
Right Out: -707.141+/-352.780 χ^2/NDF: 13.6/19

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -560.333+/-113.252 χ^2/NDF: 89.5/40

All: -361.983+/-80.938 χ^2/NDF: 136.7/83

- sign -154.911+/-115.715 χ^2/NDF: 41.0/42



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 956.476+/-0.249 χ^2/NDF: 836351.0/19

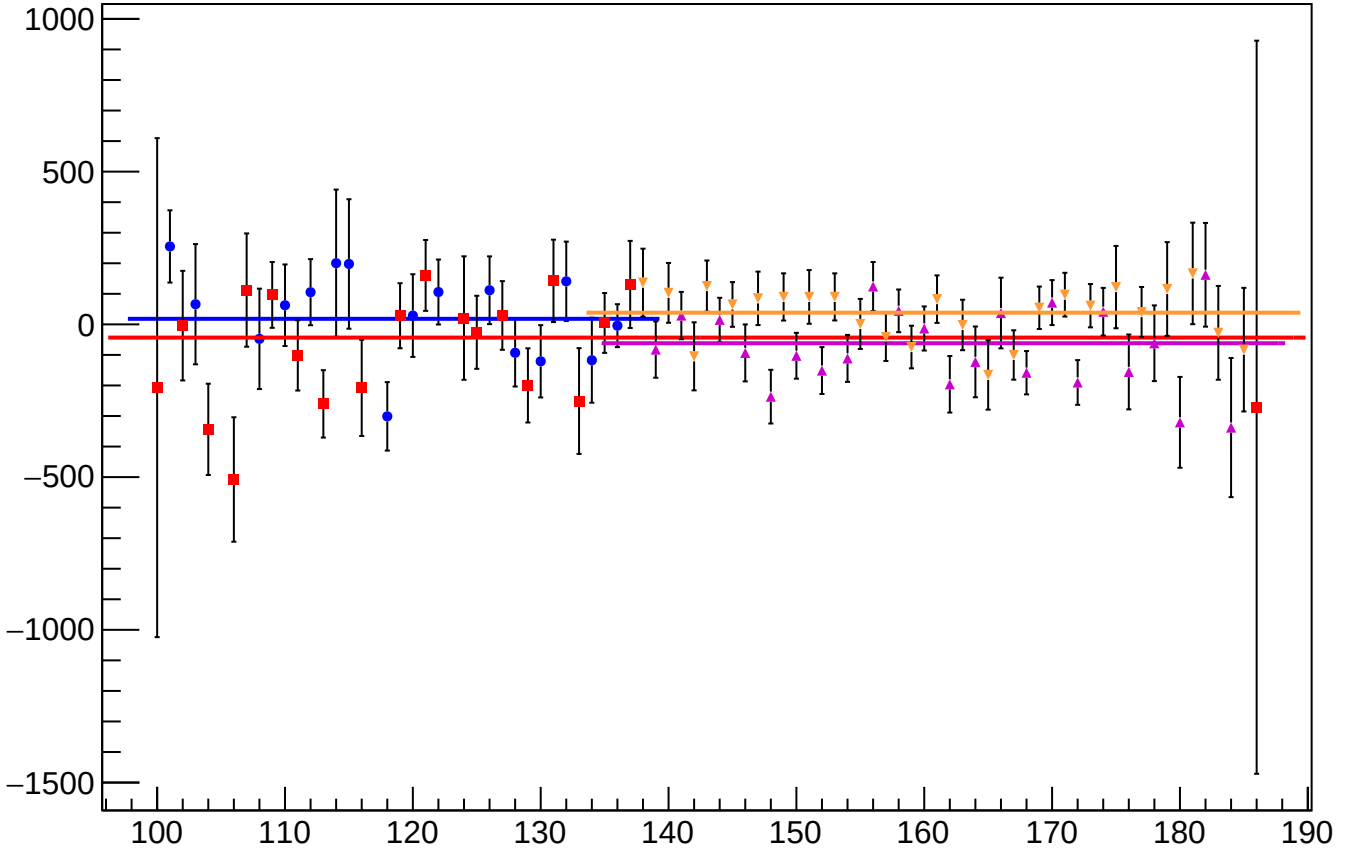
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

\+ sign 558.736+/-0.080 χ^2/NDF: 4120884.8/40

All: 560.482+/-0.057 χ^2/NDF: 8876545.3/83

\- sign 562.304+/-0.082 χ^2/NDF: 4754689.8/42

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -43.295+/-30.697 χ^2/NDF: 27.8/19

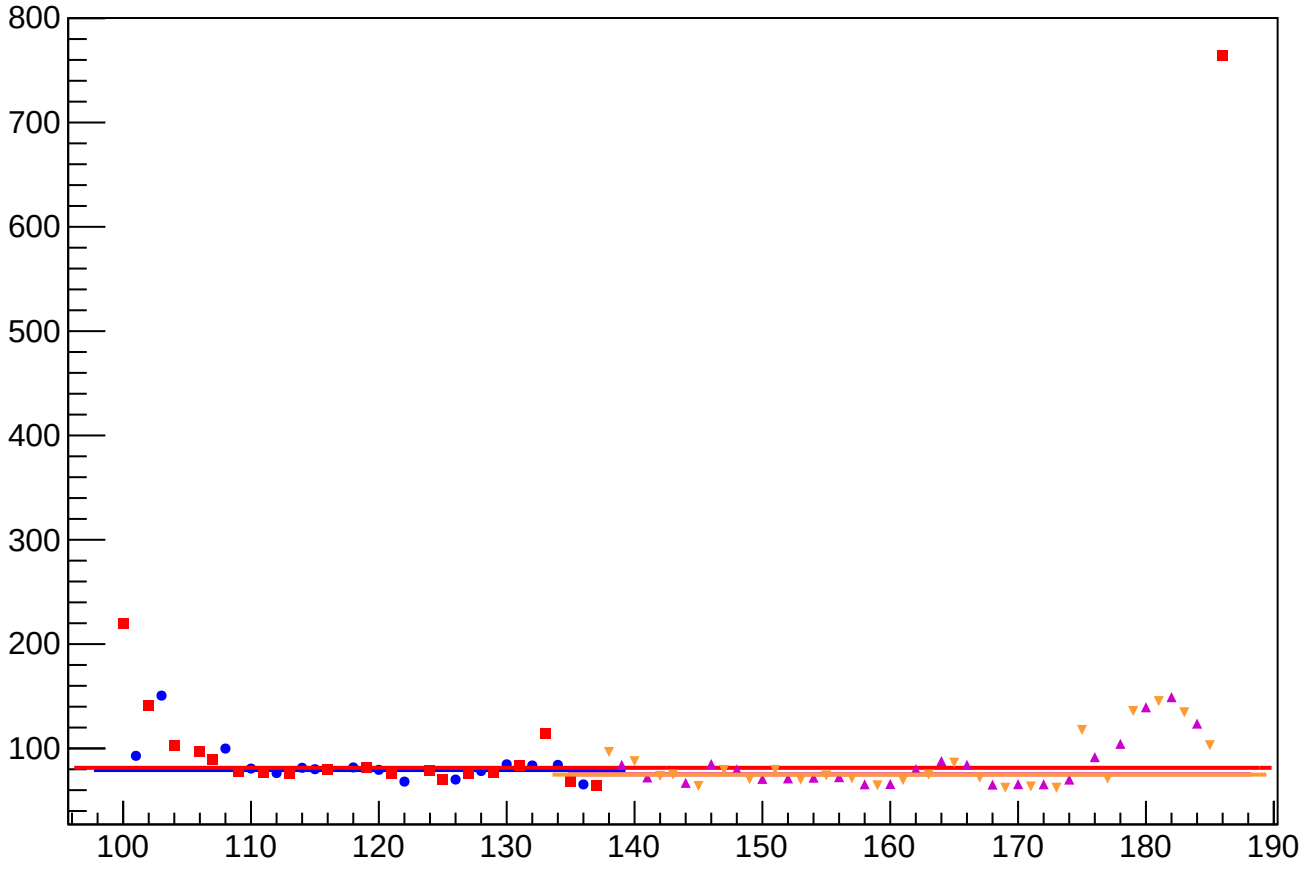
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 33.191+/-15.270 χ^2/NDF: 39.3/40

All: -10.763+/-10.929 χ^2/NDF: 121.0/83

- sign -56.934+/-15.650 χ^2/NDF: 64.8/42

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

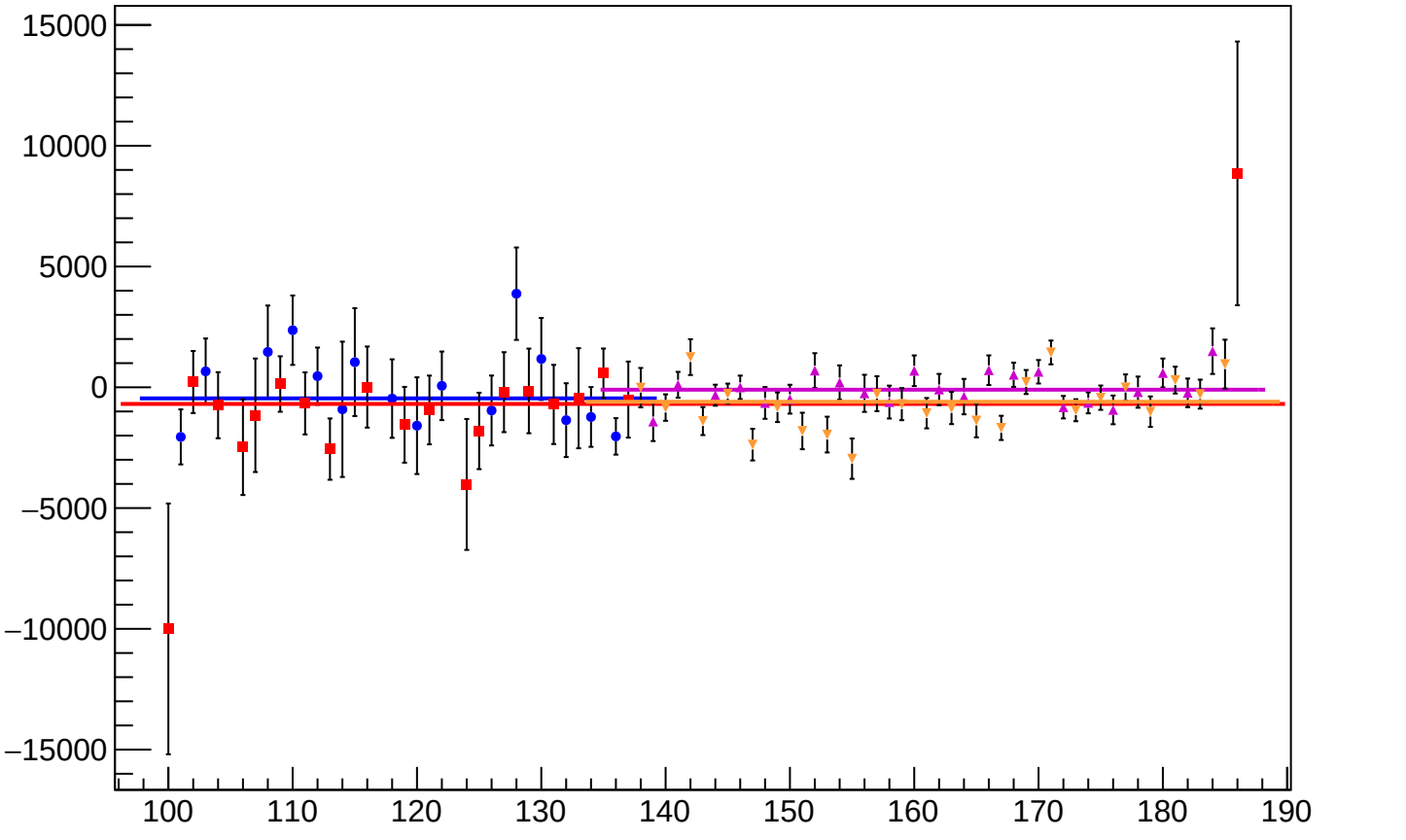
Right Out: 81.405+/-0.022 χ^2/NDF: 1162060.1/19

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 76.007+/-0.011 χ^2/NDF: 2137339.4/40

All: 76.384+/-0.008 χ^2/NDF: 4675799.1/83

- sign 76.780+/-0.011 χ^2/NDF: 2535958.4/42



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: -688.946+/-351.841 χ^2/NDF: 14.6/19

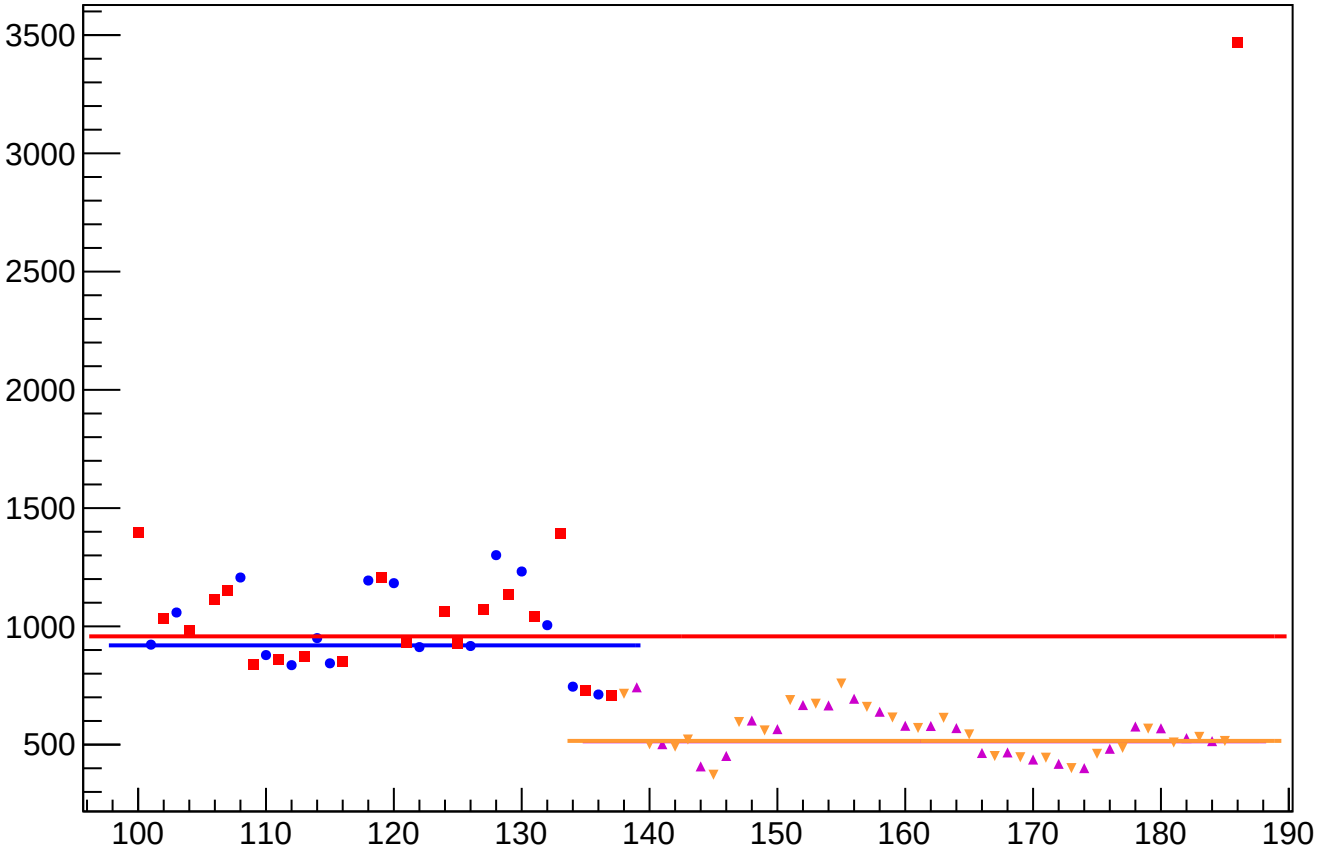
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -584.179+/-112.943 χ^2/NDF: 85.5/40

All: -378.208+/-80.762 χ^2/NDF: 133.1/83

- sign -162.697+/-115.529 χ^2/NDF: 40.8/42

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 957.740+/-0.249 χ^2/NDF: 850168.8/19

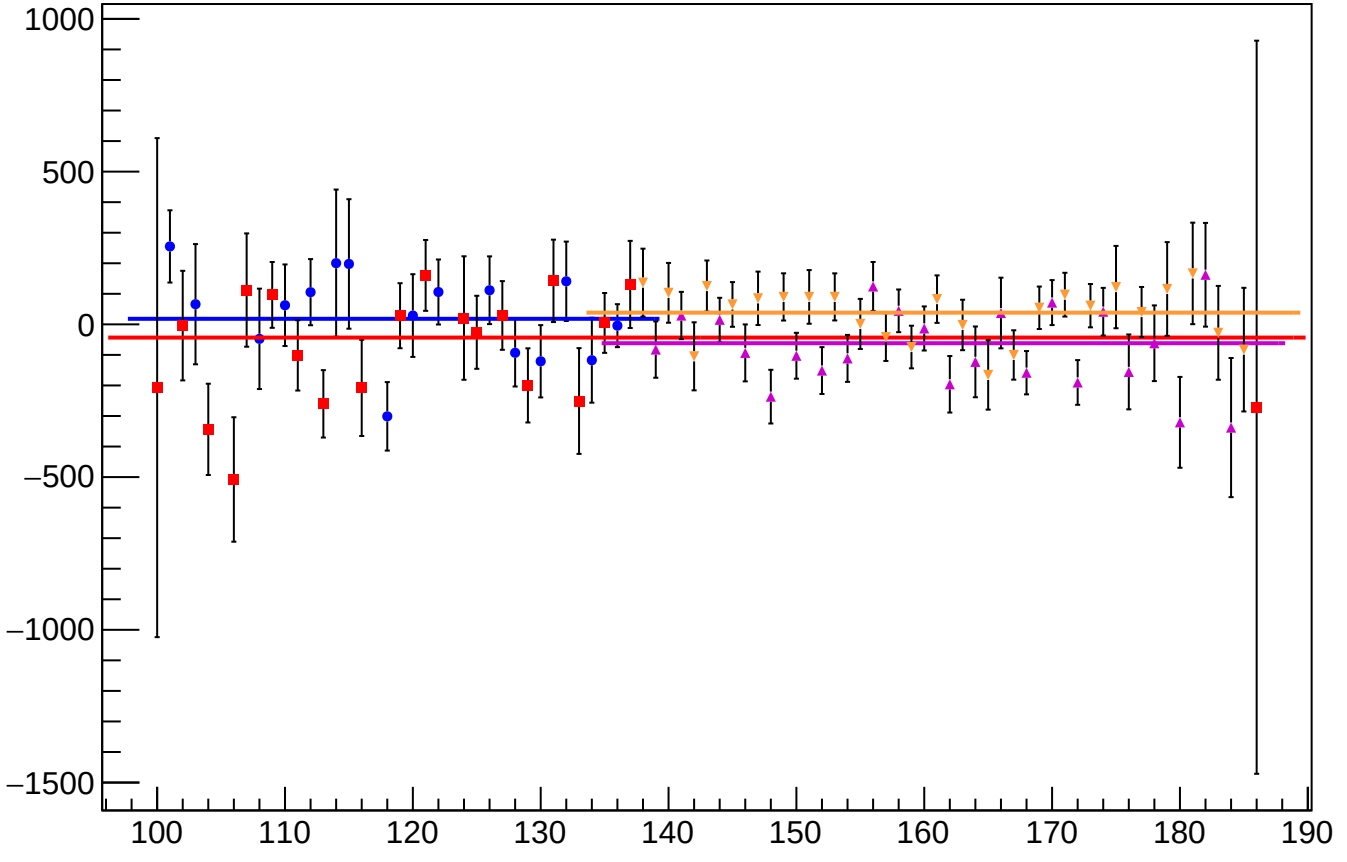
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 557.800+/-0.080 χ^2/NDF: 4132828.4/40

All: 559.814+/-0.057 χ^2/NDF: 8938299.0/83

- sign 561.921+/-0.082 χ^2/NDF: 4804169.4/42

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -43.293+/-30.697 χ^2/NDF: 27.8/19

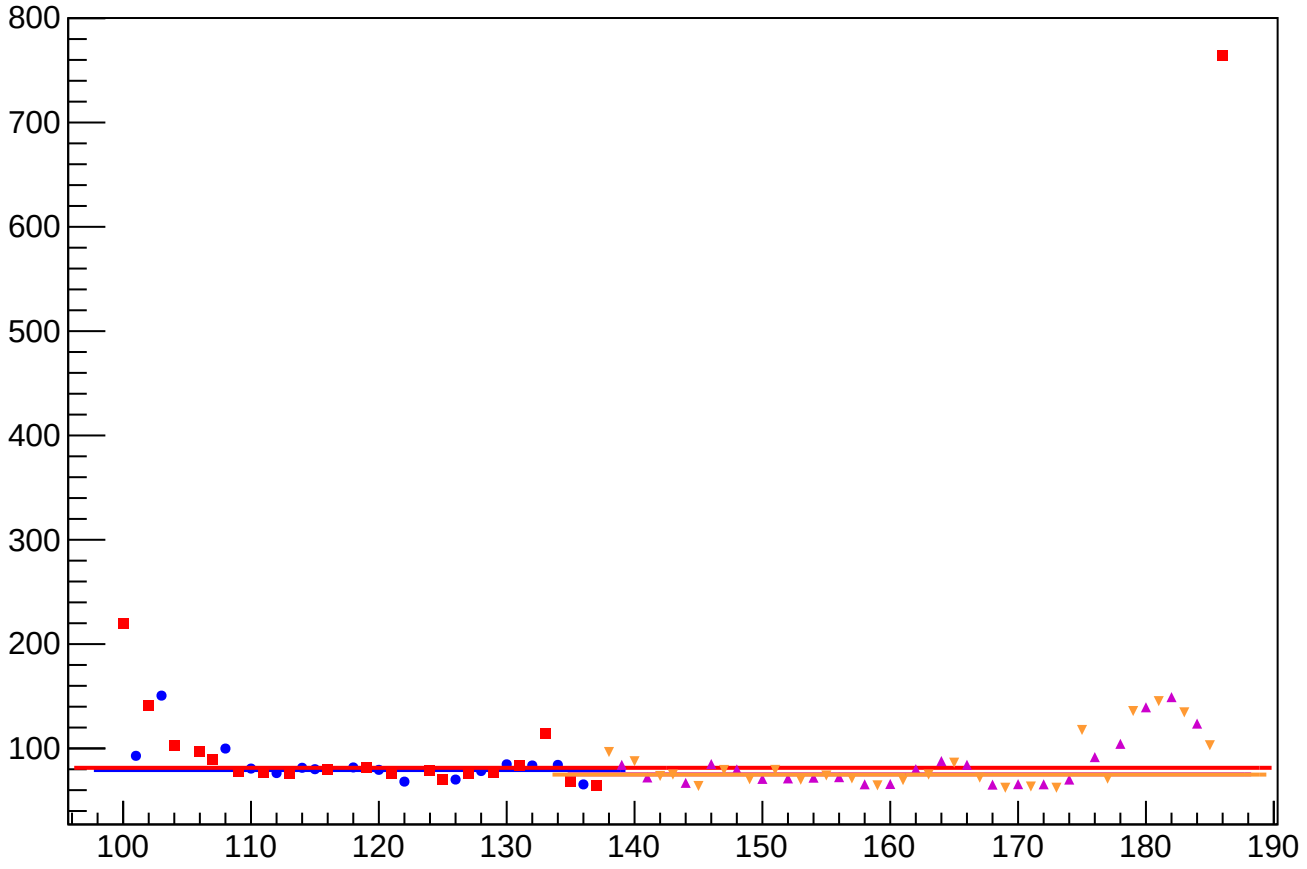
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 33.191+/-15.270 χ^2/NDF: 39.3/40

All: -10.763+/-10.929 χ^2/NDF: 121.0/83

- sign -56.933+/-15.650 χ^2/NDF: 64.8/42

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

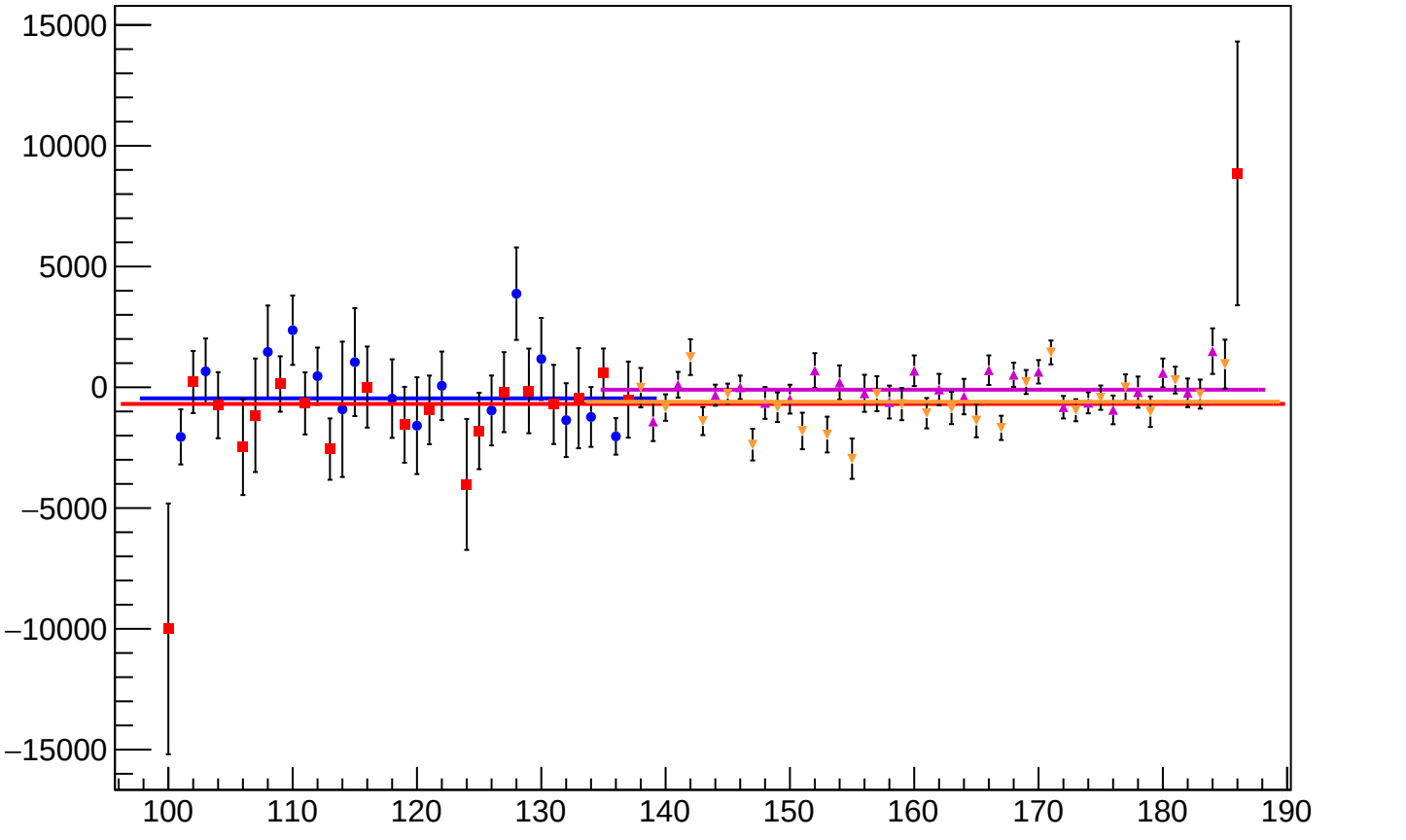
Right Out: 81.405+/-0.022 χ^2/NDF: 1162069.2/19

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 76.007+/-0.011 χ^2/NDF: 2137328.5/40

All: 76.384+/-0.008 χ^2/NDF: 4675773.7/83

- sign 76.780+/-0.011 χ^2/NDF: 2535943.6/42



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

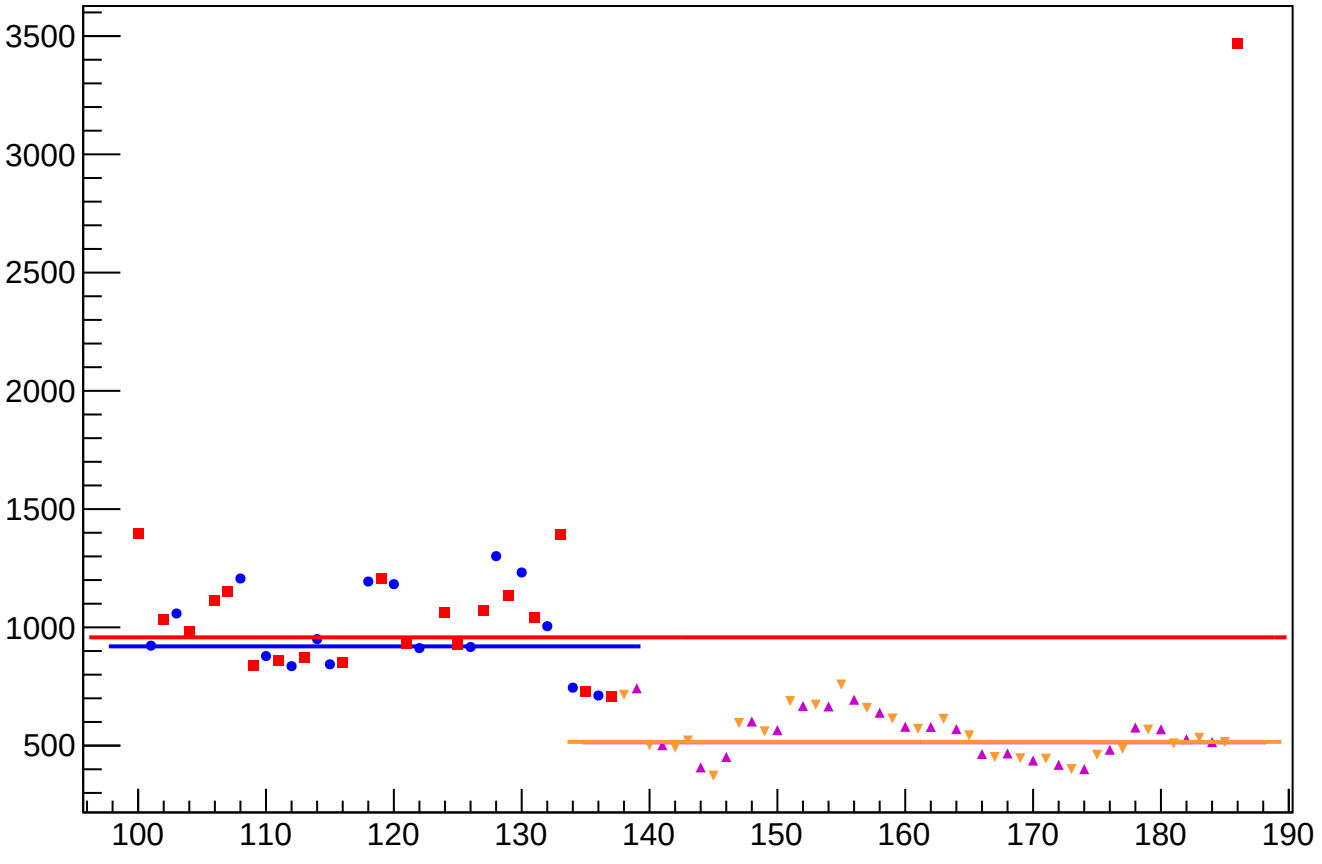
Right Out: -688.945+/-351.840 χ^2/NDF: 14.6/19

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -584.178+/-112.943 χ^2/NDF: 85.5/40

All: -378.207+/-80.761 χ^2/NDF: 133.1/83

- sign -162.697+/-115.529 χ^2/NDF: 40.8/42



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 957.738+/-0.249 χ^2/NDF: 850169.8/19

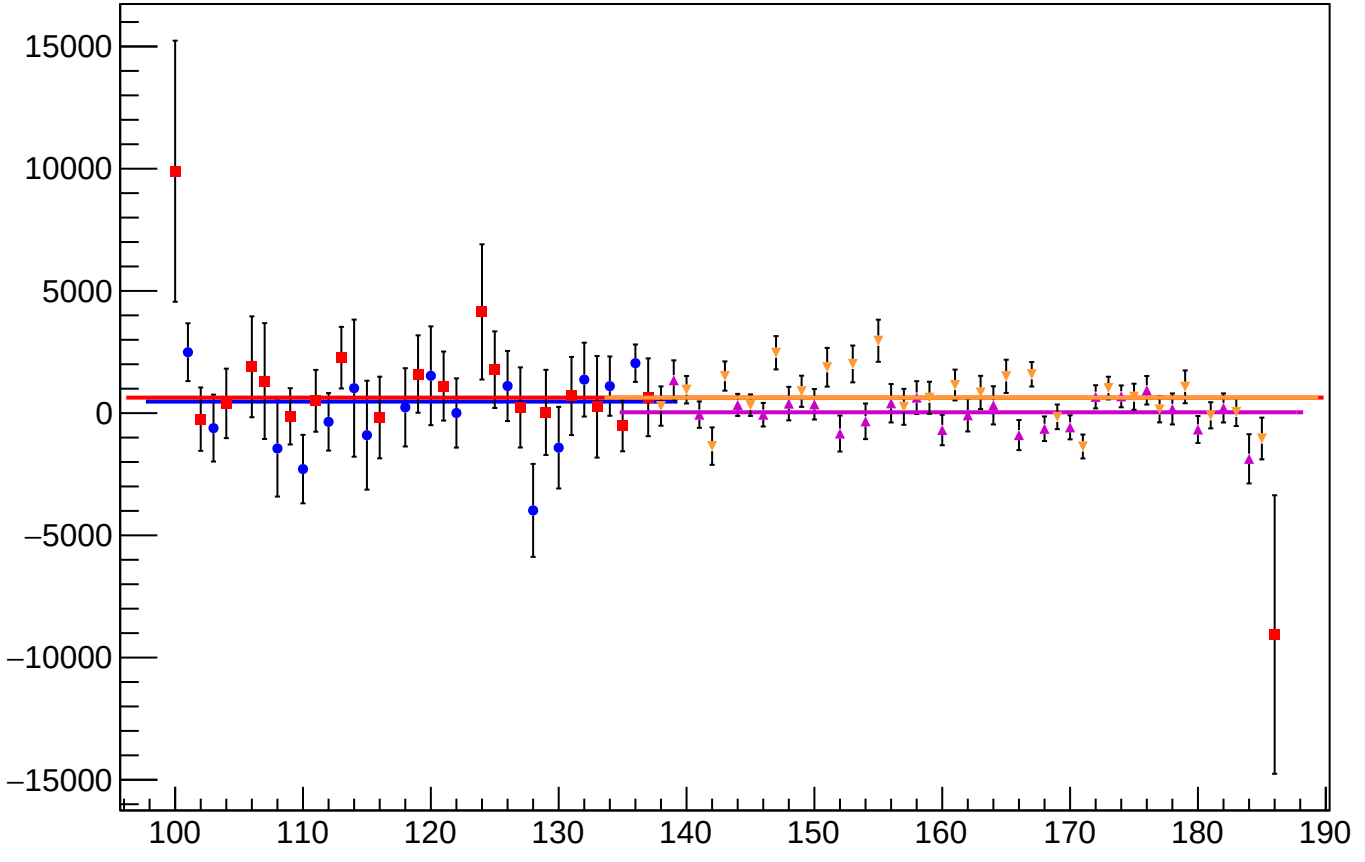
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 557.799+/-0.080 χ^2/NDF: 4132828.6/40

All: 559.813+/-0.057 χ^2/NDF: 8938293.7/83

- sign 561.920+/-0.082 χ^2/NDF: 4804163.7/42

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 635.015+/-353.828 χ^2/NDF: 13.2/19

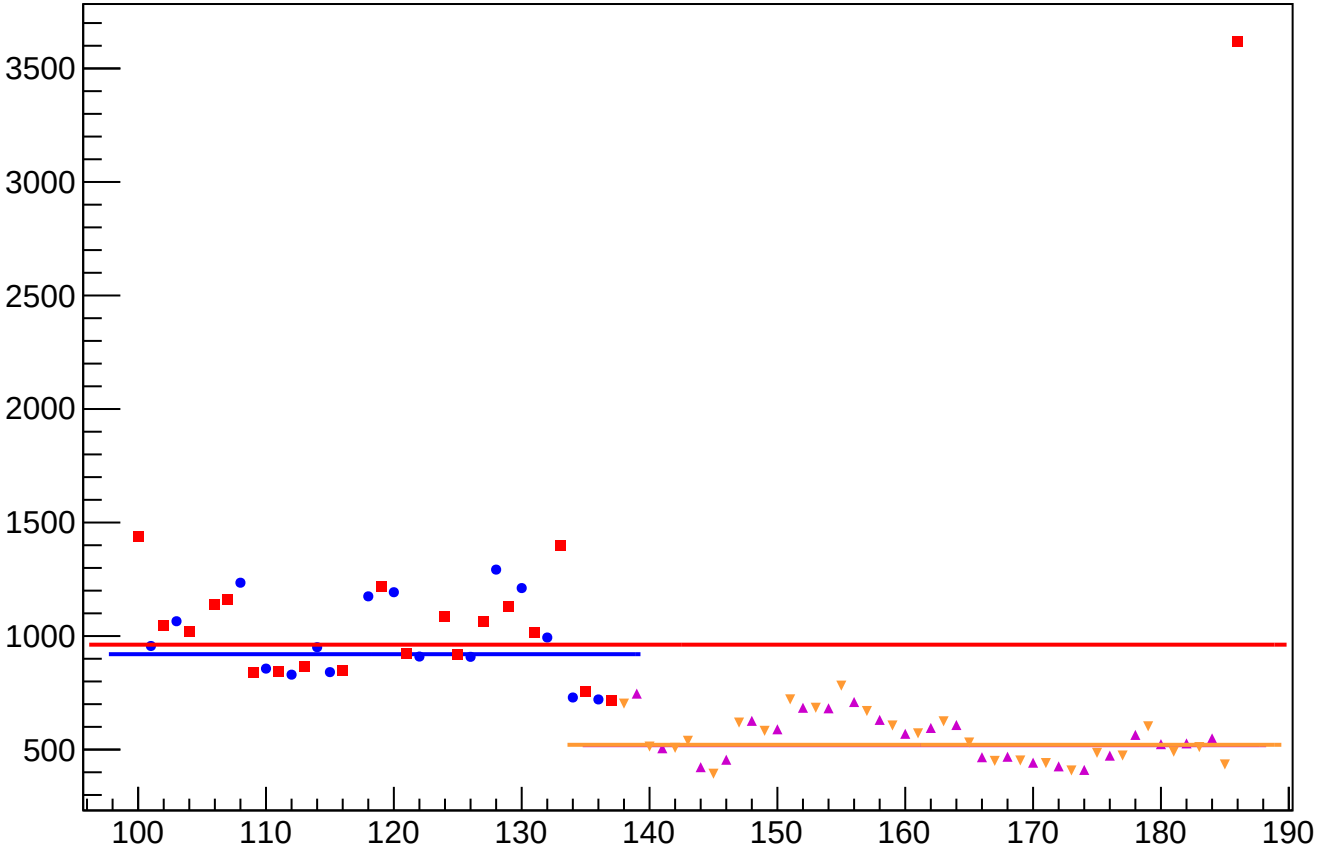
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 617.512+/-114.133 χ^2/NDF: 86.2/40

All: 364.328+/-81.568 χ^2/NDF: 137.1/83

- sign 100.006+/-116.616 χ^2/NDF: 40.9/42

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

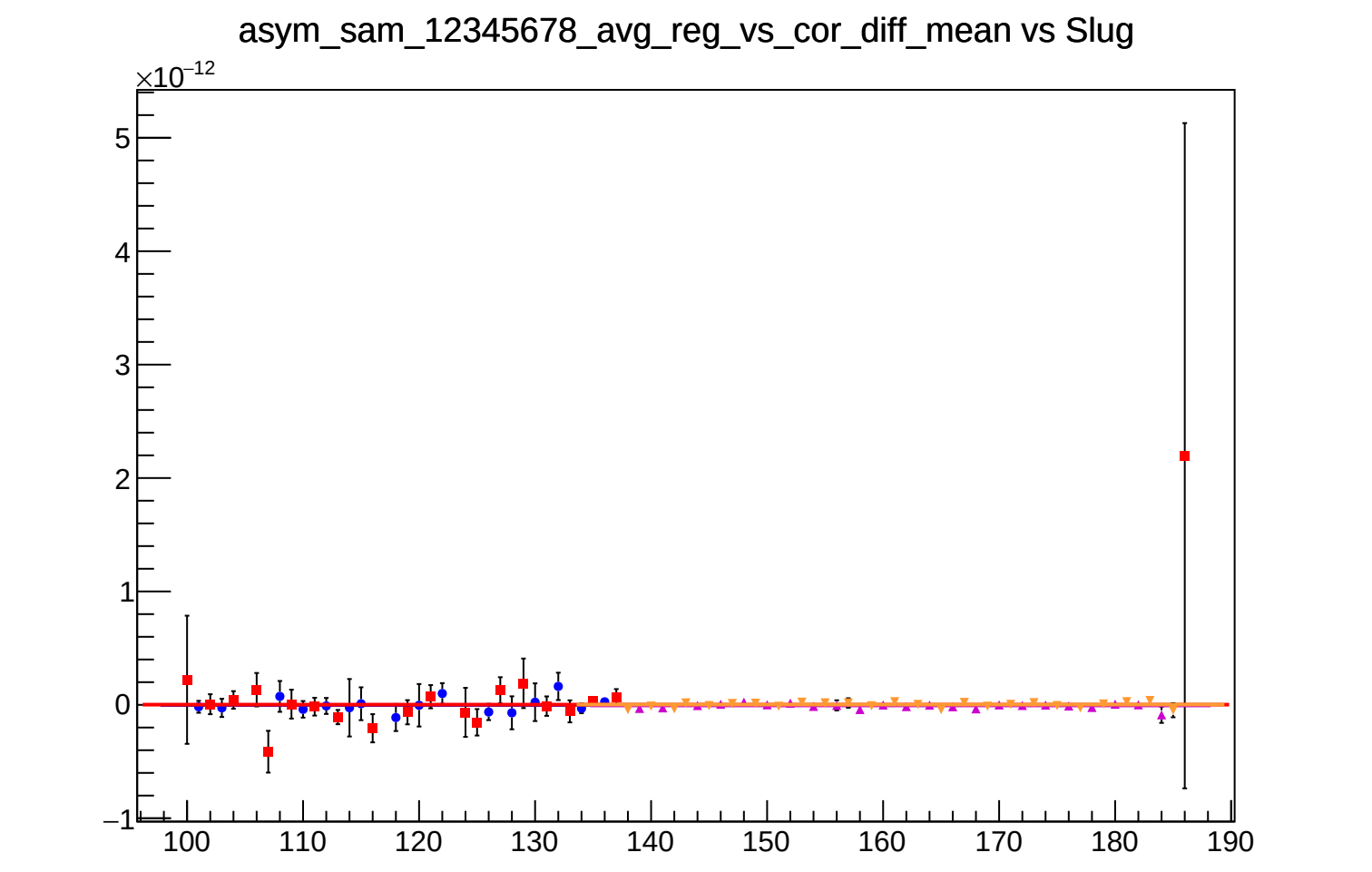
Right Out: 962.010+/-0.250 χ^2/NDF: 852496.3/19

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 563.373+/-0.081 χ^2/NDF: 4071269.7/40

All: 565.312+/-0.058 χ^2/NDF: 8817159.4/83

- sign 567.336+/-0.082 χ^2/NDF: 4744710.4/42



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

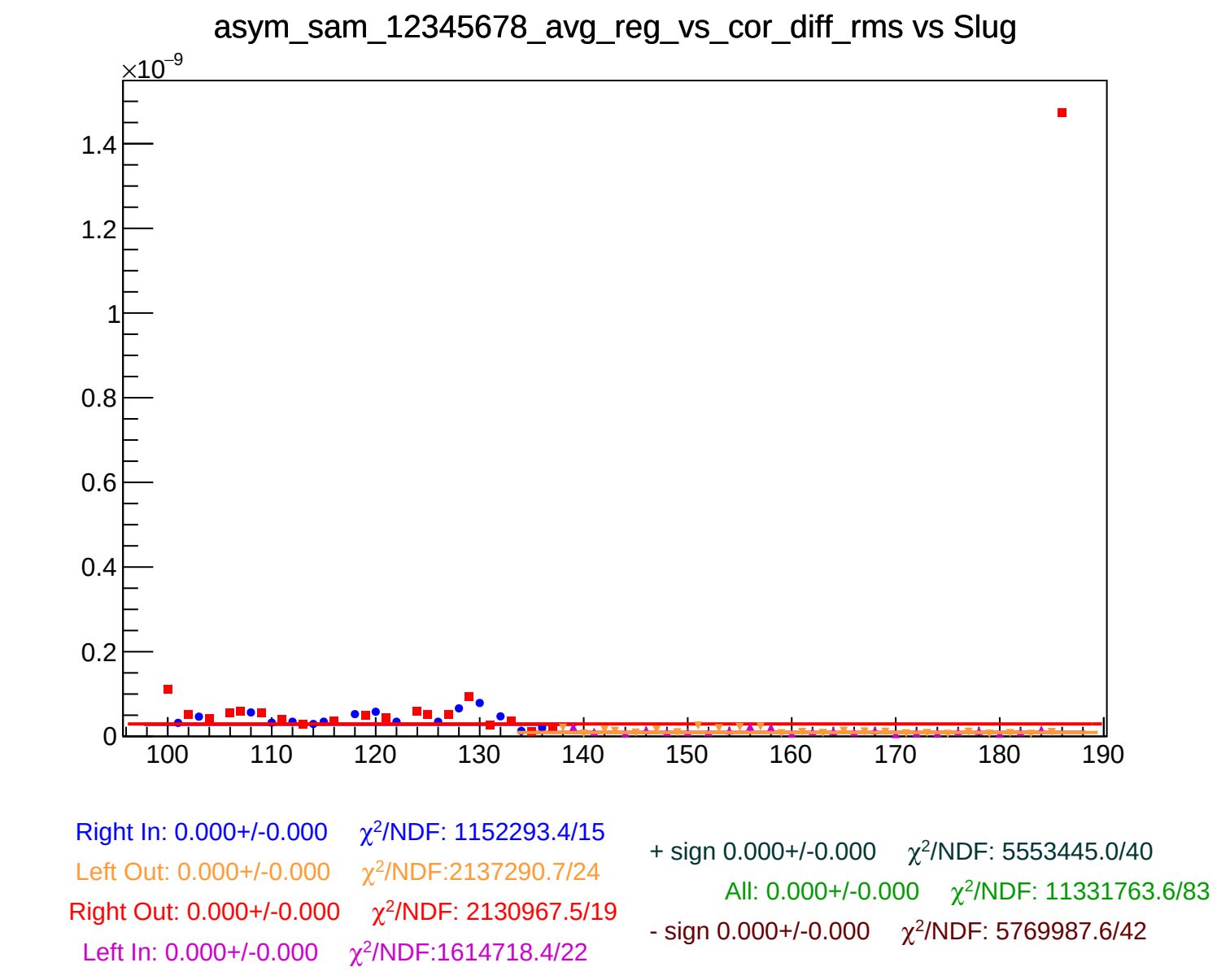
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/19

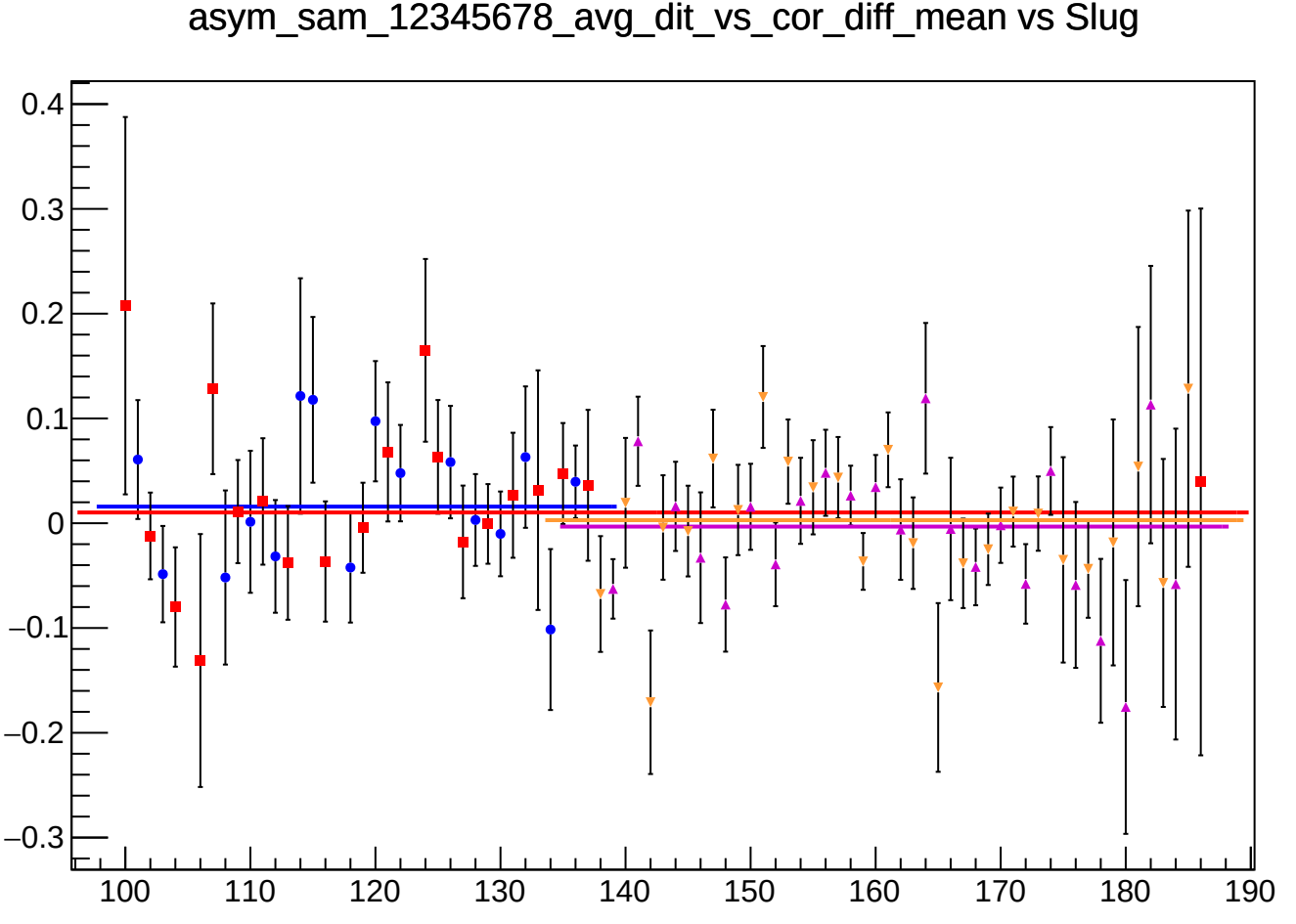
Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.5/40

All: -0.000+/-0.000 χ^2/NDF: 62.0/83

- sign -0.000+/-0.000 χ^2/NDF: 30.9/42


asym_sam_12345678_avg_reg_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: 1152293.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2137290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 2130967.5/19
Left In: 0.000+/-0.000 χ²/NDF:1614718.4/22
+ sign 0.000+/-0.000 χ²/NDF: 5553445.0/40
All: 0.000+/-0.000 χ²/NDF: 11331763.6/83
- sign 0.000+/-0.000 χ²/NDF: 5769987.6/42



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

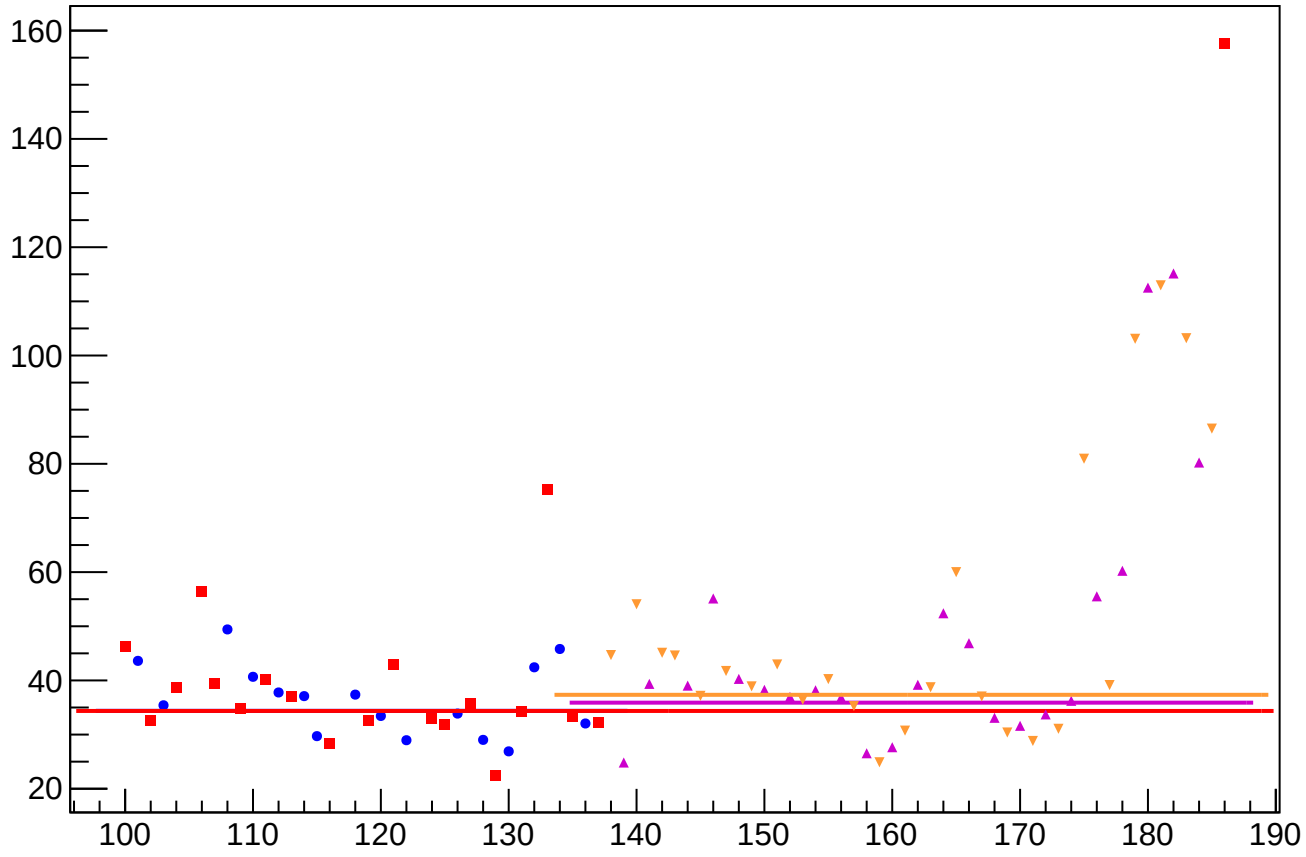
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/19

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.008 χ^2/NDF: 48.3/40

All: 0.004+/-0.005 χ^2/NDF: 94.2/83

- sign 0.001+/-0.008 χ^2/NDF: 45.7/42



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

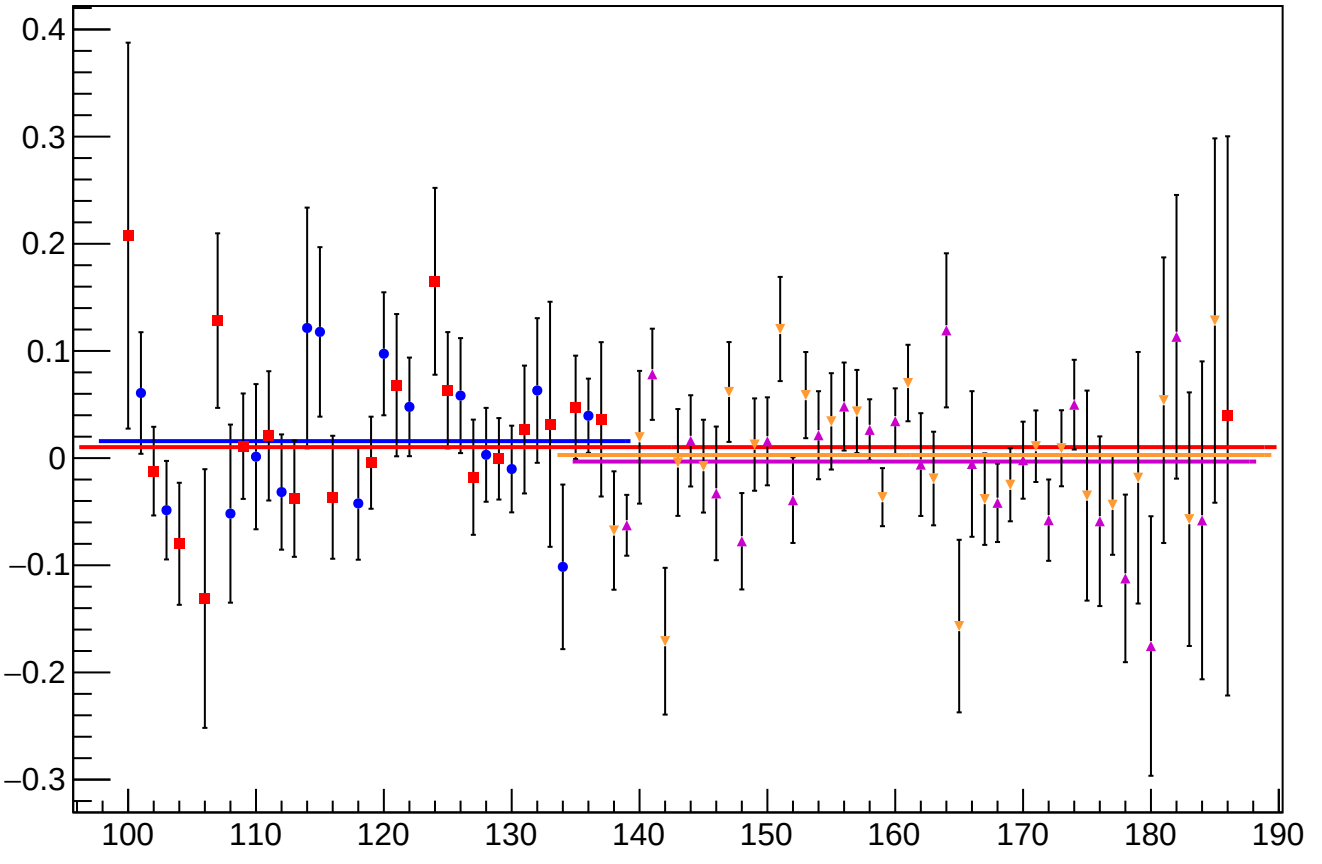
Right Out: 34.363+/-0.009 χ^2/NDF: 1089908.4/19

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.386+/-0.005 χ^2/NDF: 4130707.8/40

All: 35.886+/-0.004 χ^2/NDF: 8394197.9/83

- sign 35.397+/-0.005 χ^2/NDF: 4246424.0/42



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

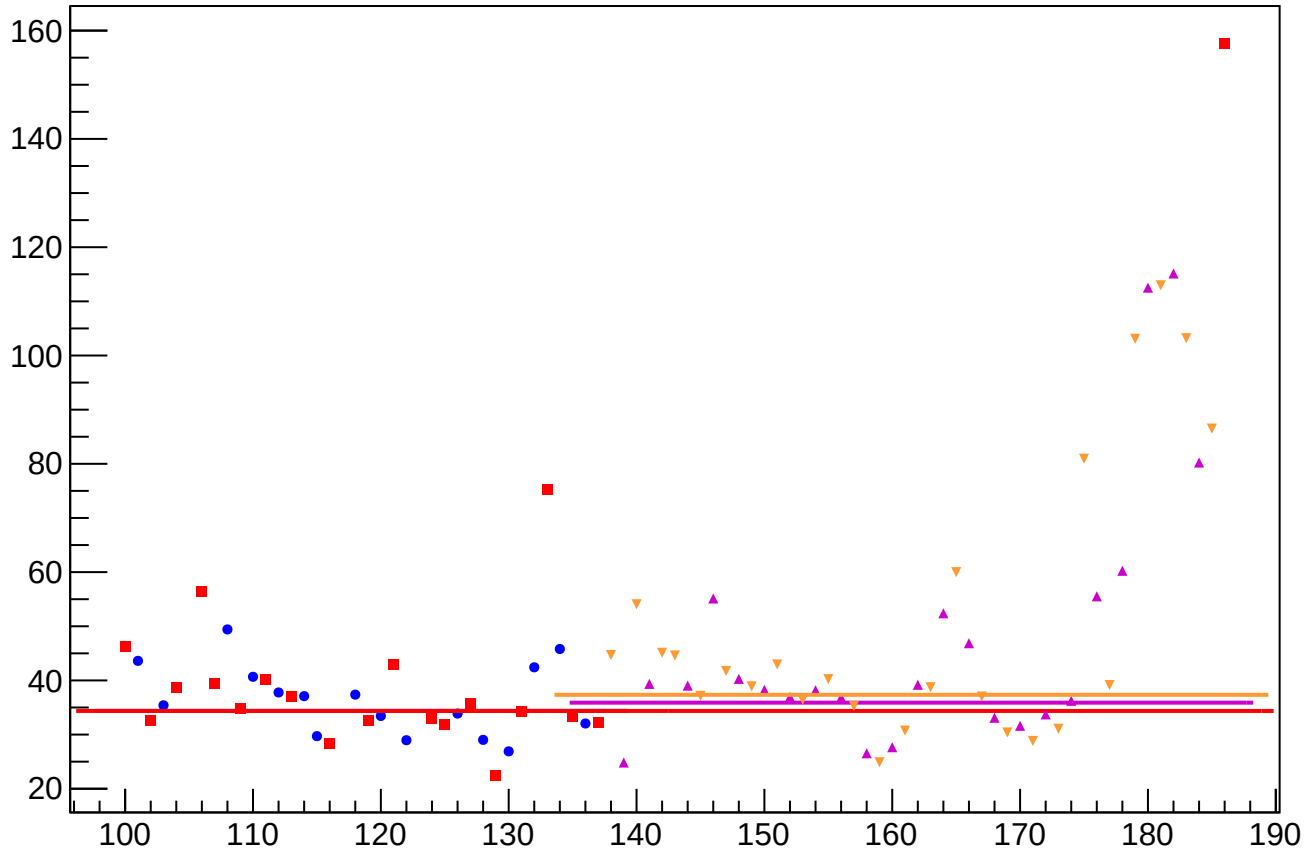
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/19

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.008 χ^2/NDF: 48.3/40

All: 0.004+/-0.005 χ^2/NDF: 94.2/83

- sign 0.001+/-0.008 χ^2/NDF: 45.7/42



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

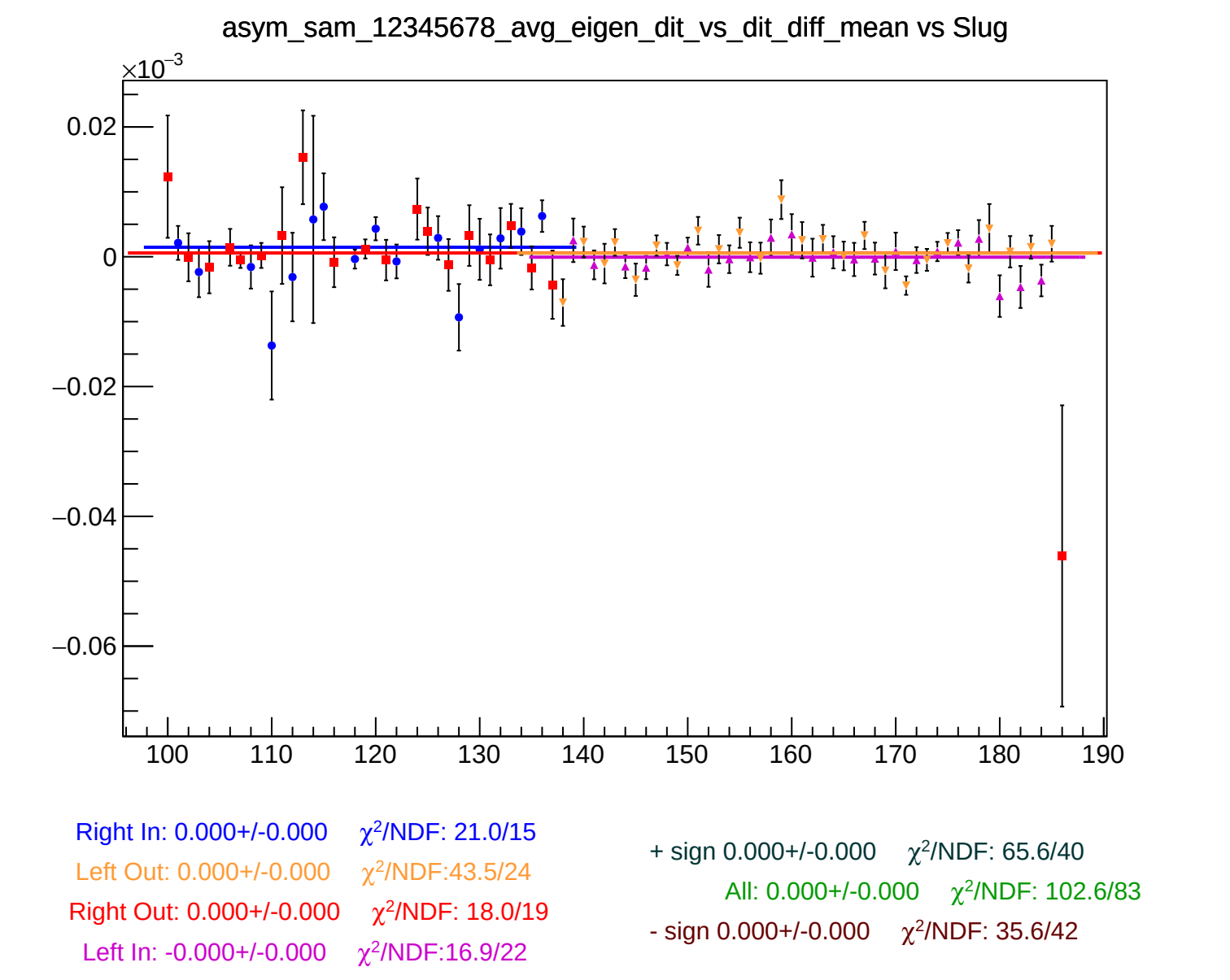
Right Out: 34.363+/-0.009 χ^2/NDF: 1089908.4/19

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.386+/-0.005 χ^2/NDF: 4130707.8/40

All: 35.886+/-0.004 χ^2/NDF: 8394197.9/83

- sign 35.397+/-0.005 χ^2/NDF: 4246424.0/42


asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
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−0.02
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−0.06
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110
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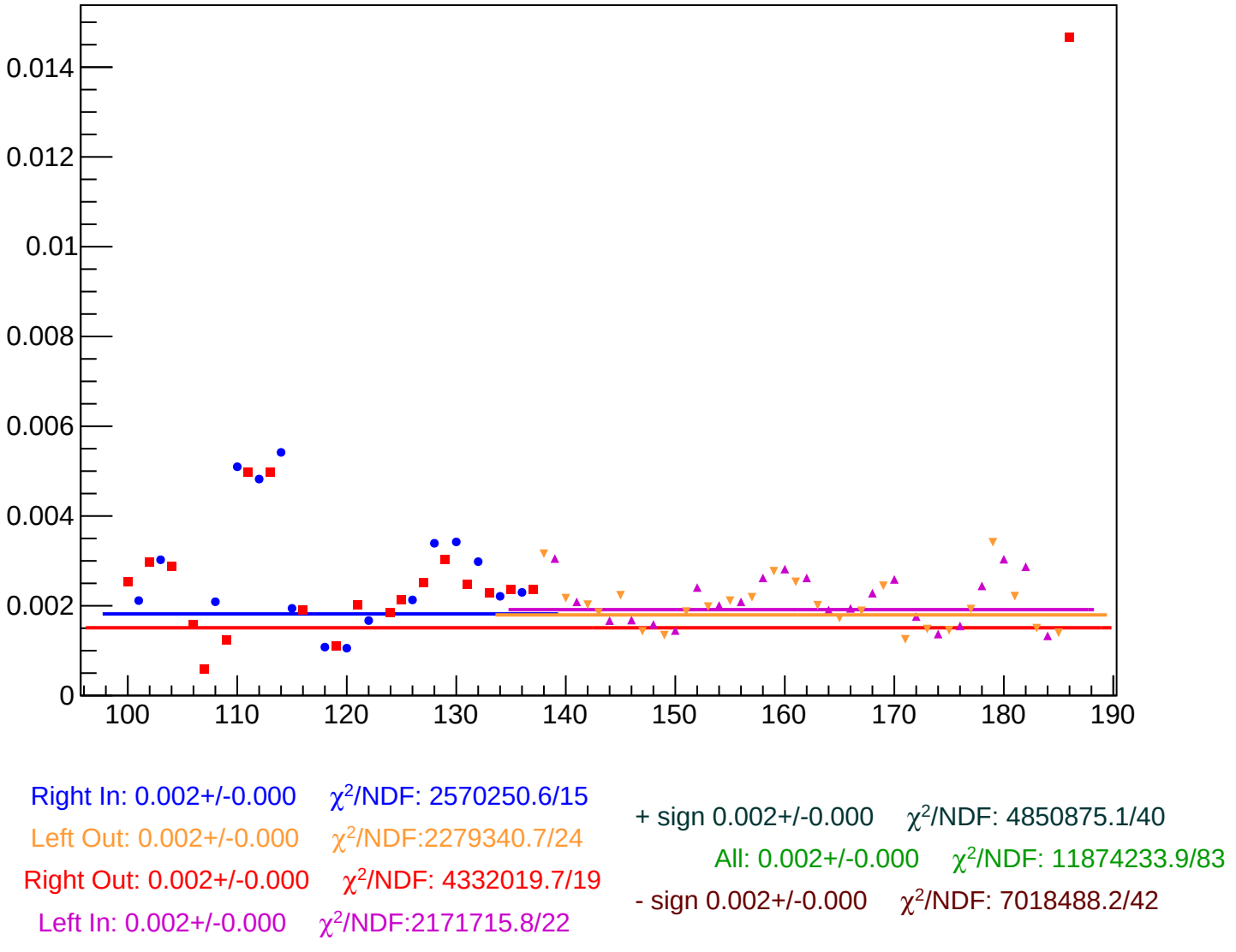
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 21.0/15
Left Out: 0.000+/-0.000 χ²/NDF:43.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 18.0/19
Left In: -0.000+/-0.000 χ²/NDF:16.9/22
+ sign 0.000+/-0.000 χ²/NDF: 65.6/40
All: 0.000+/-0.000 χ²/NDF: 102.6/83
- sign 0.000+/-0.000 χ²/NDF: 35.6/42


asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
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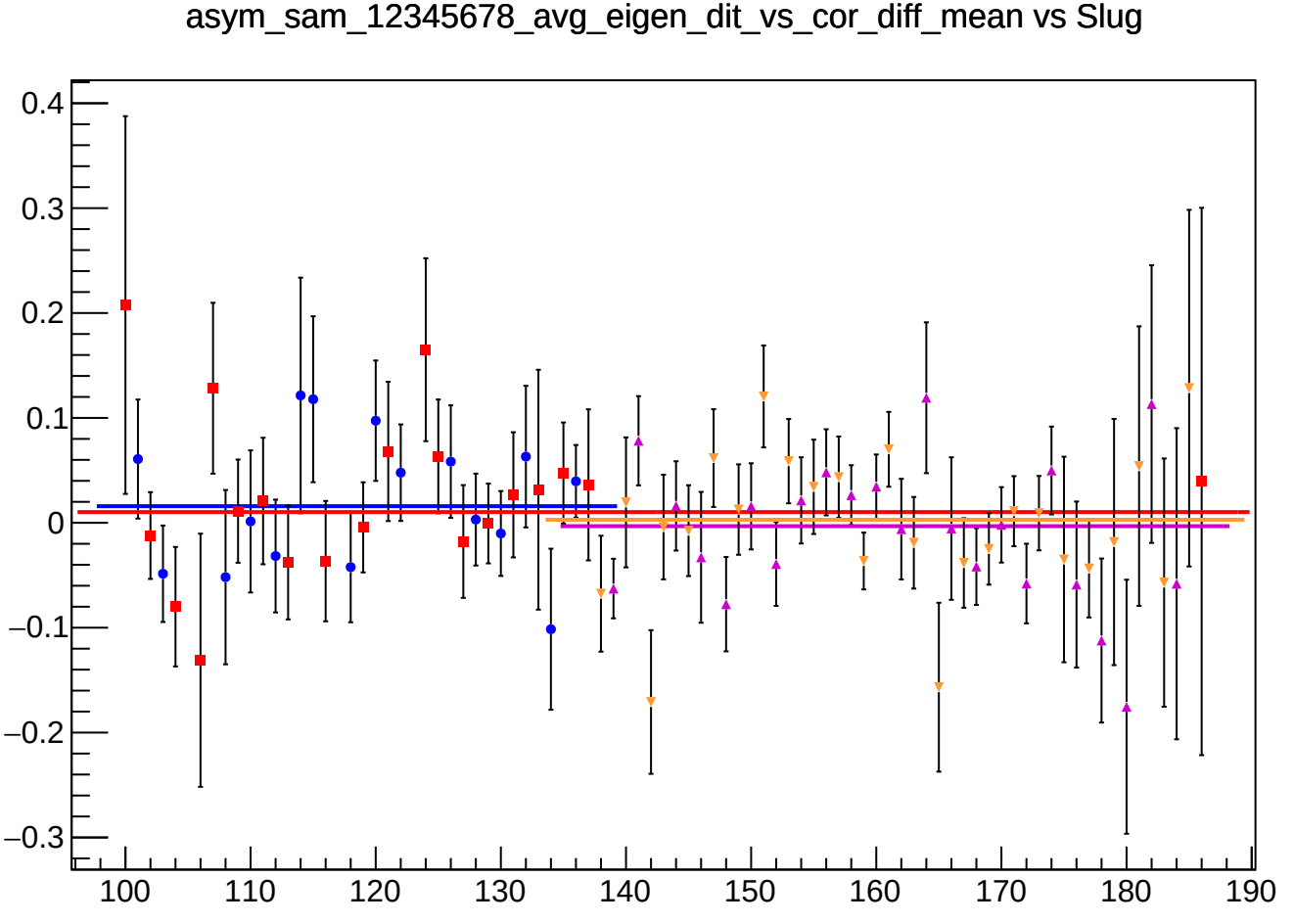
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 2570250.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2279340.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 4332019.7/19
Left In: 0.002+/-0.000 χ²/NDF:2171715.8/22
+ sign 0.002+/-0.000 χ²/NDF: 4850875.1/40
All: 0.002+/-0.000 χ²/NDF: 11874233.9/83
- sign 0.002+/-0.000 χ²/NDF: 7018488.2/42



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

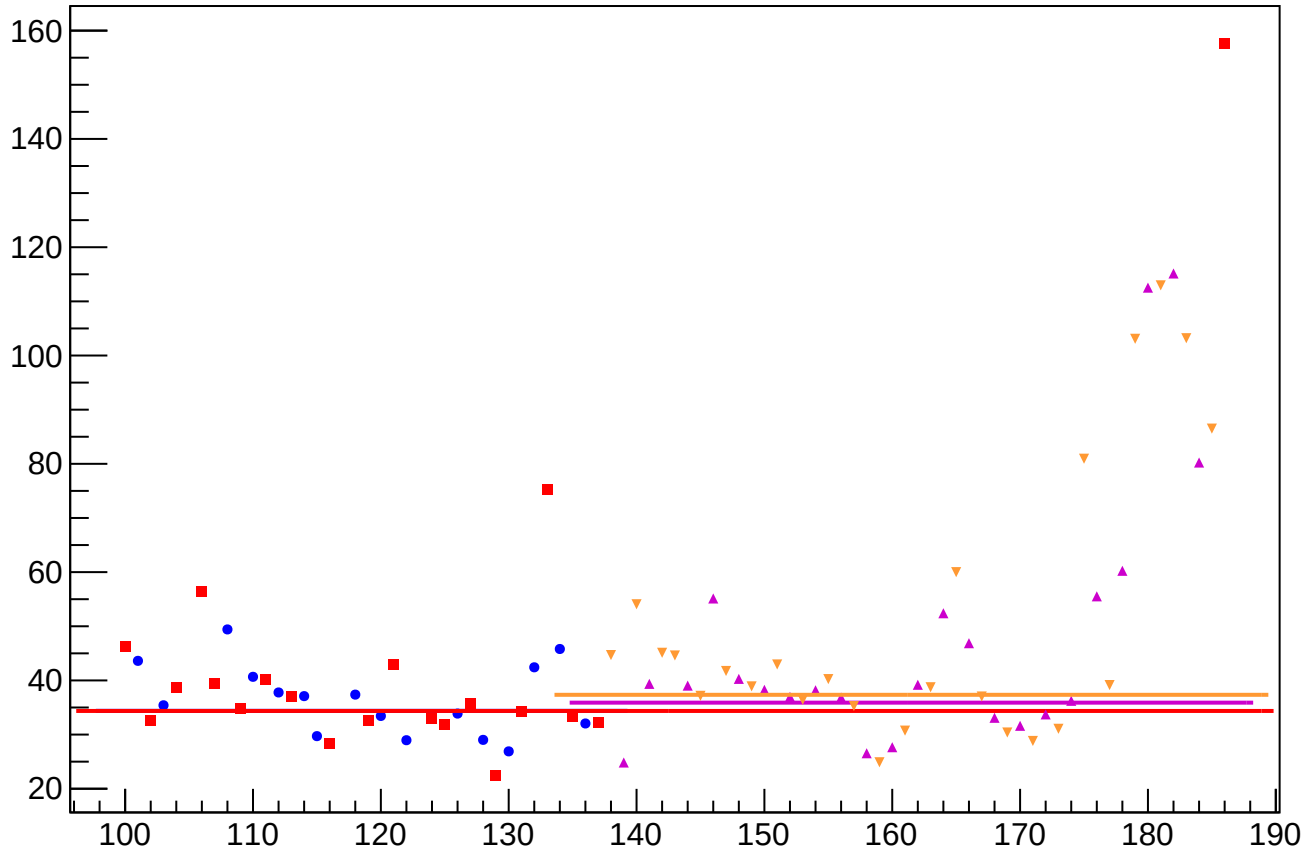
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/19

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.008 χ^2/NDF: 48.3/40

All: 0.004+/-0.005 χ^2/NDF: 94.2/83

- sign 0.001+/-0.008 χ^2/NDF: 45.7/42



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

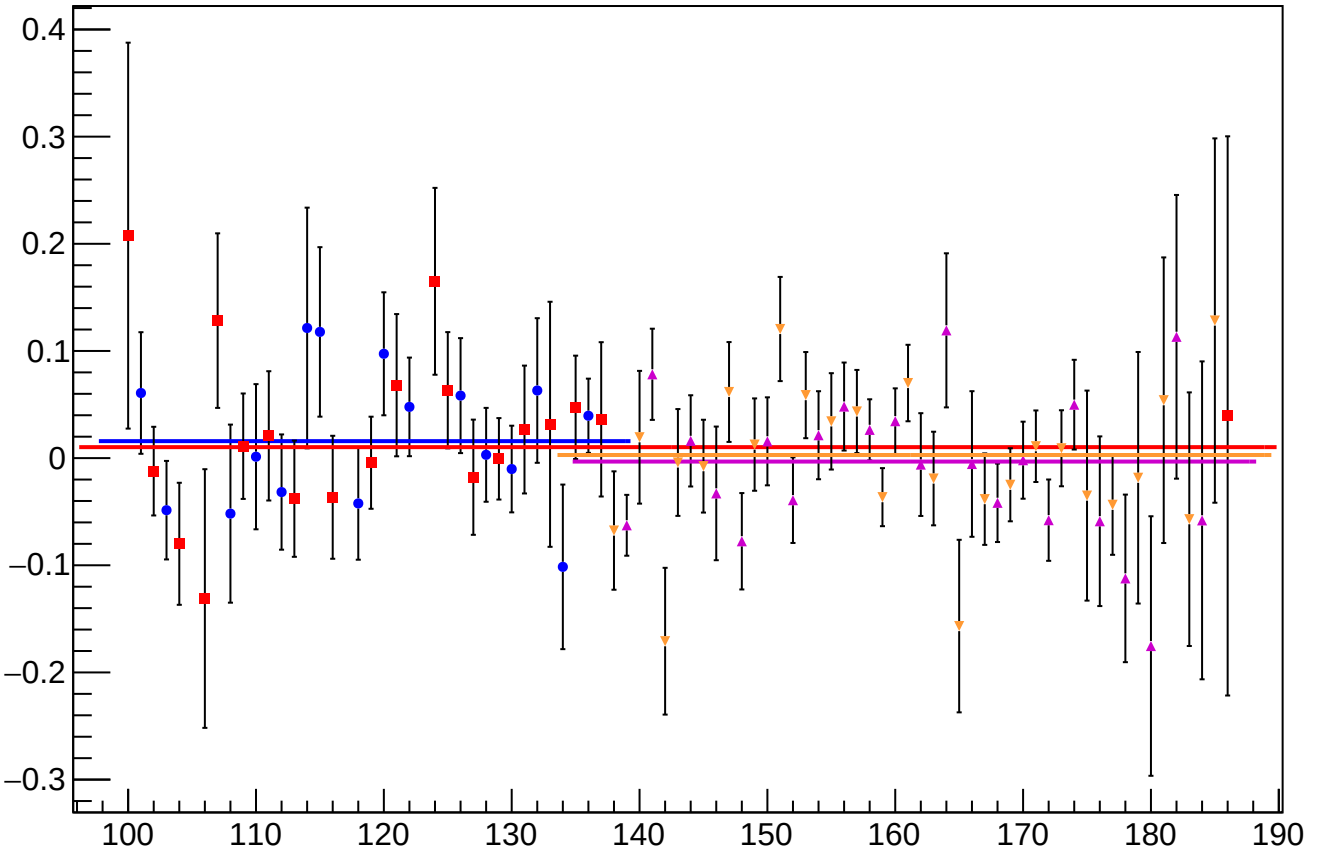
Right Out: 34.363+/-0.009 χ^2/NDF: 1089964.8/19

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.386+/-0.005 χ^2/NDF: 4130859.4/40

All: 35.886+/-0.004 χ^2/NDF: 8394436.5/83

- sign 35.397+/-0.005 χ^2/NDF: 4246516.4/42



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

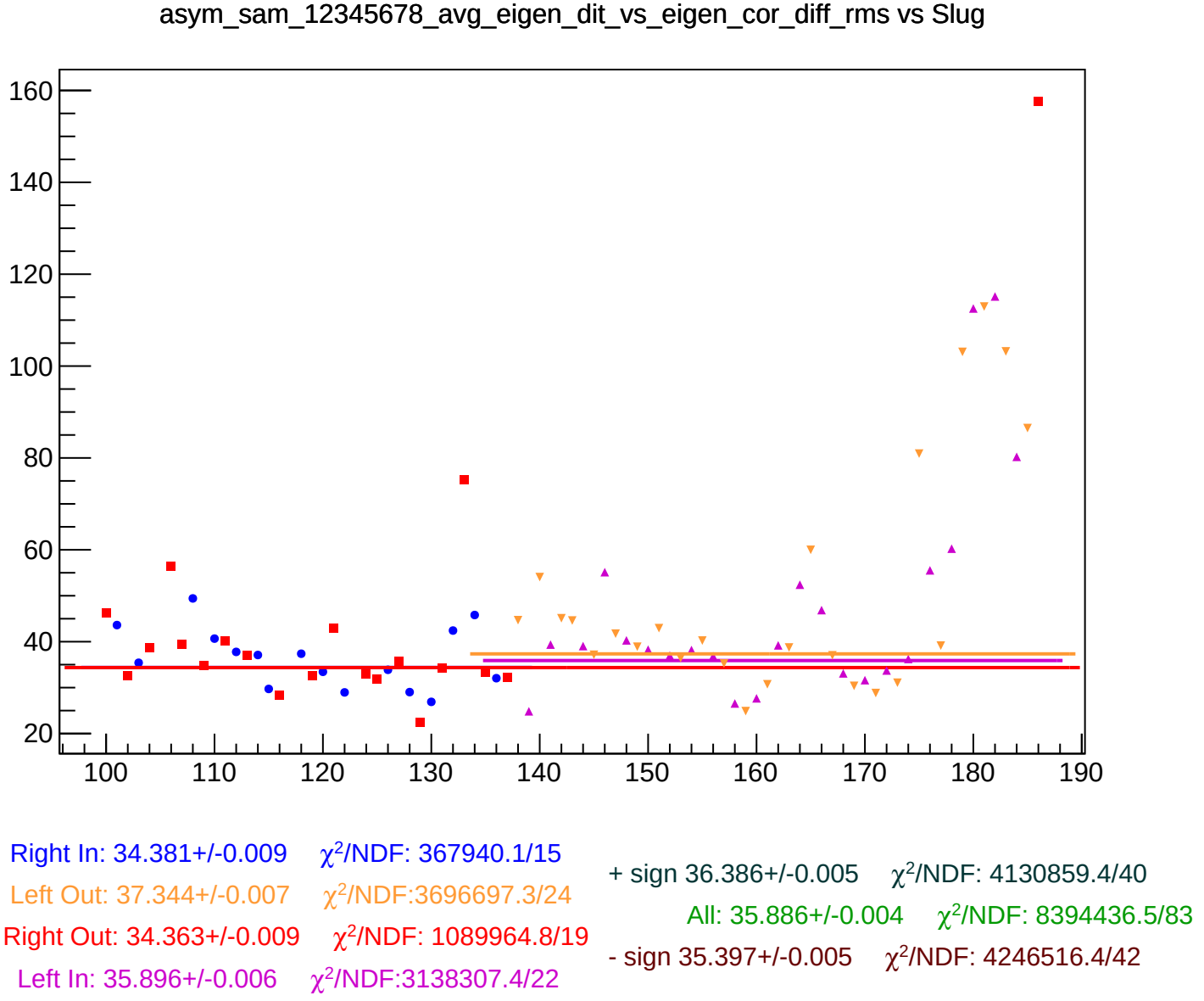
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/19

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.008 χ^2/NDF: 48.3/40

All: 0.004+/-0.005 χ^2/NDF: 94.2/83

- sign 0.001+/-0.008 χ^2/NDF: 45.7/42


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
160
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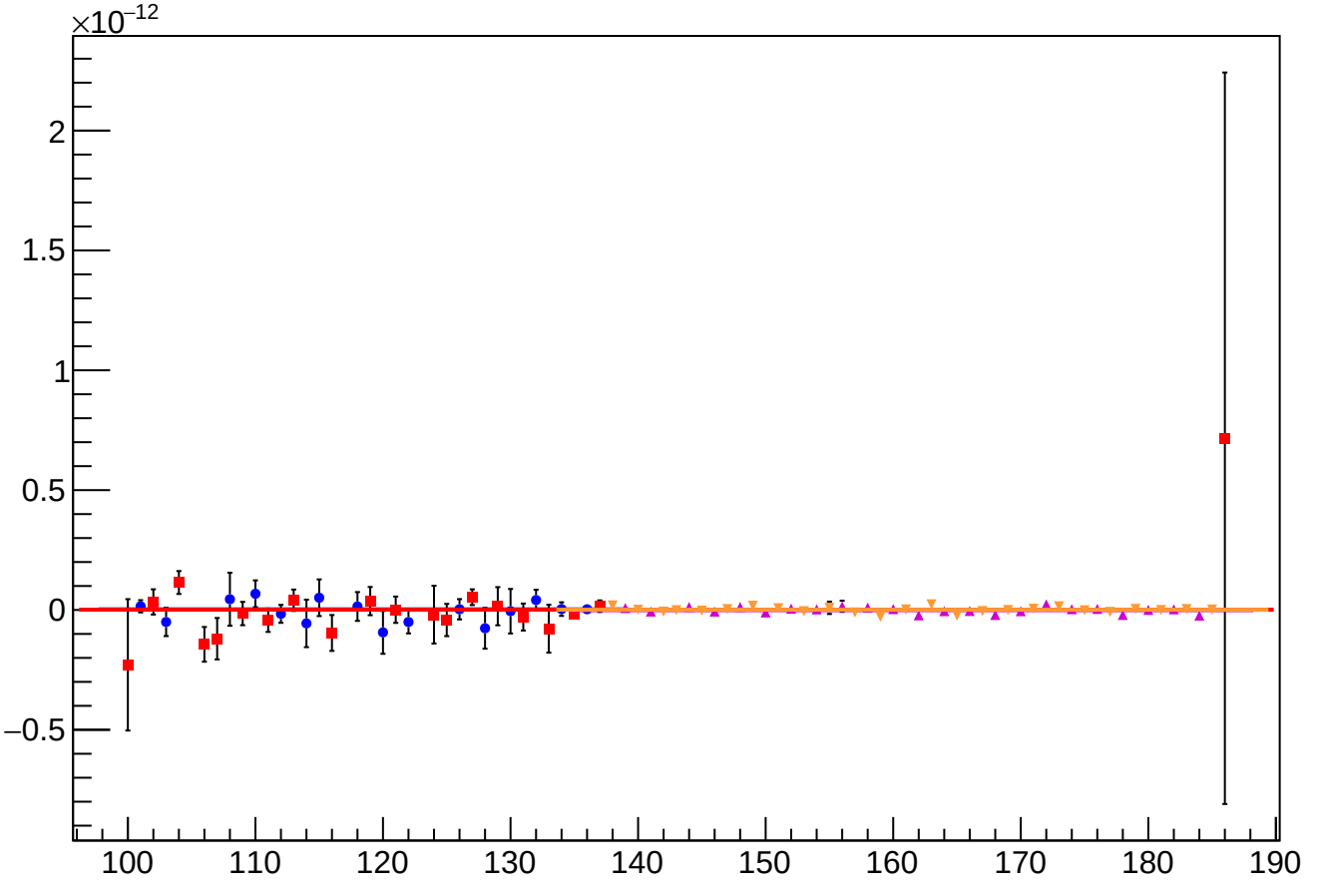
140
150
160
170
180
190
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 37.344+/-0.007 χ²/NDF:3696697.3/24
Right Out: 34.363+/-0.009 χ²/NDF: 1089964.8/19
Left In: 35.896+/-0.006 χ²/NDF:3138307.4/22
+ sign 36.386+/-0.005 χ²/NDF: 4130859.4/40
All: 35.886+/-0.004 χ²/NDF: 8394436.5/83
- sign 35.397+/-0.005 χ²/NDF: 4246516.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

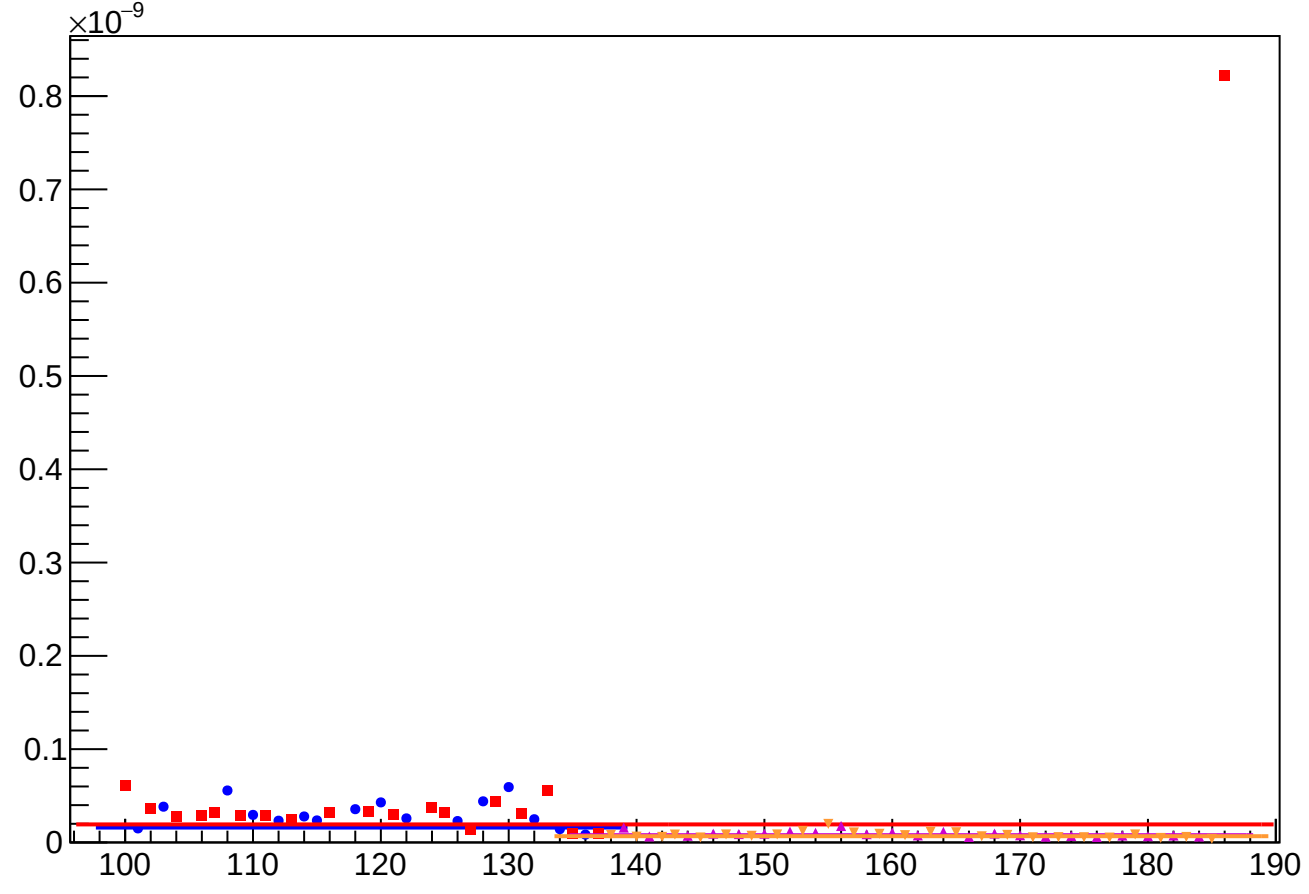
Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/19

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.1/40

All: 0.000+/-0.000 χ^2/NDF: 80.4/83

- sign -0.000+/-0.000 χ^2/NDF: 51.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2994556.9/19

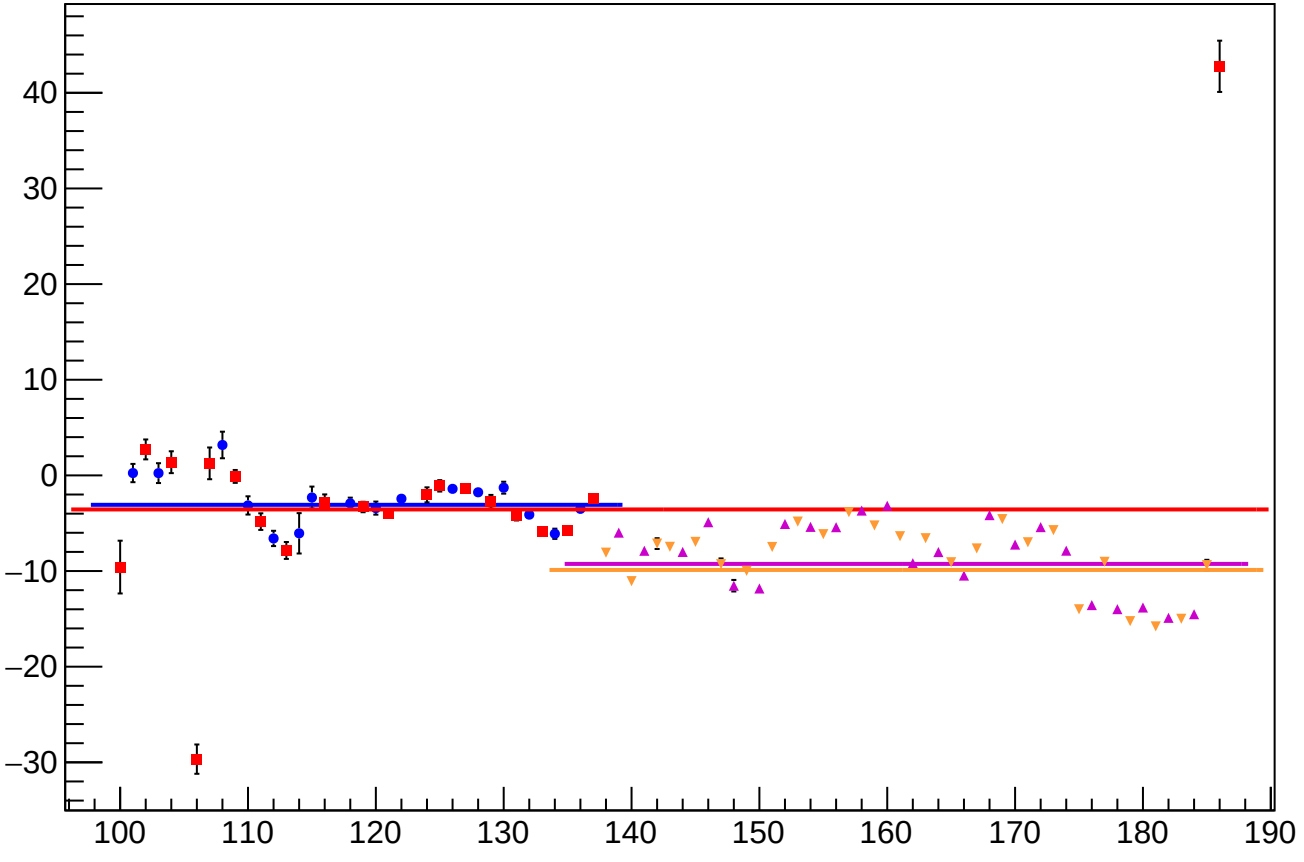
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7159266.2/40

All: 0.000+/-0.000 χ^2/NDF: 14485924.8/83

- sign 0.000+/-0.000 χ^2/NDF: 7023983.3/42

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -3.560+/-0.140 χ^2/NDF: 834.4/19

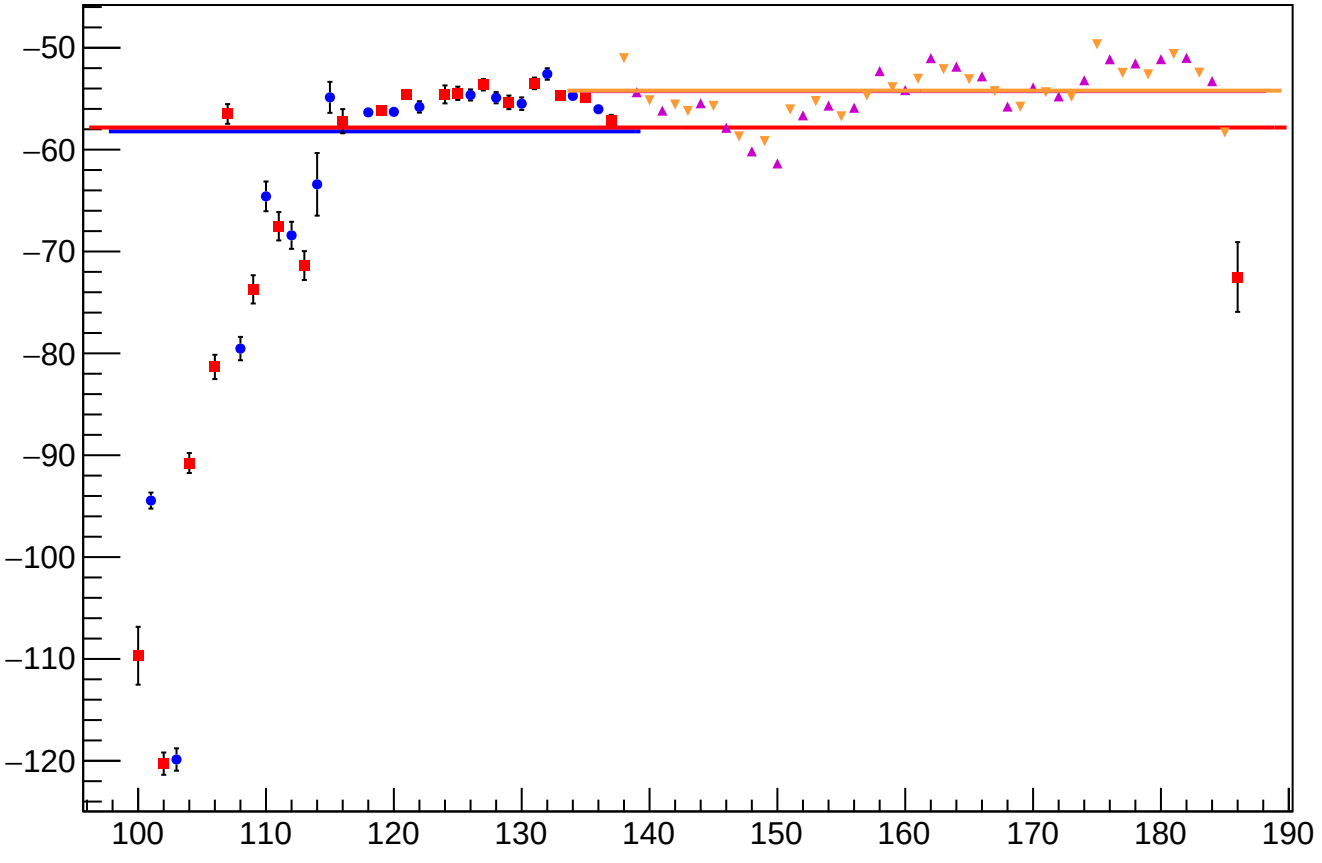
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.463+/-0.062 χ^2/NDF: 5346.2/40

All: -8.274+/-0.044 χ^2/NDF: 10578.6/83

- sign -8.073+/-0.064 χ^2/NDF: 5213.3/42

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -57.828+/-0.138 χ^2/NDF: 5811.1/19

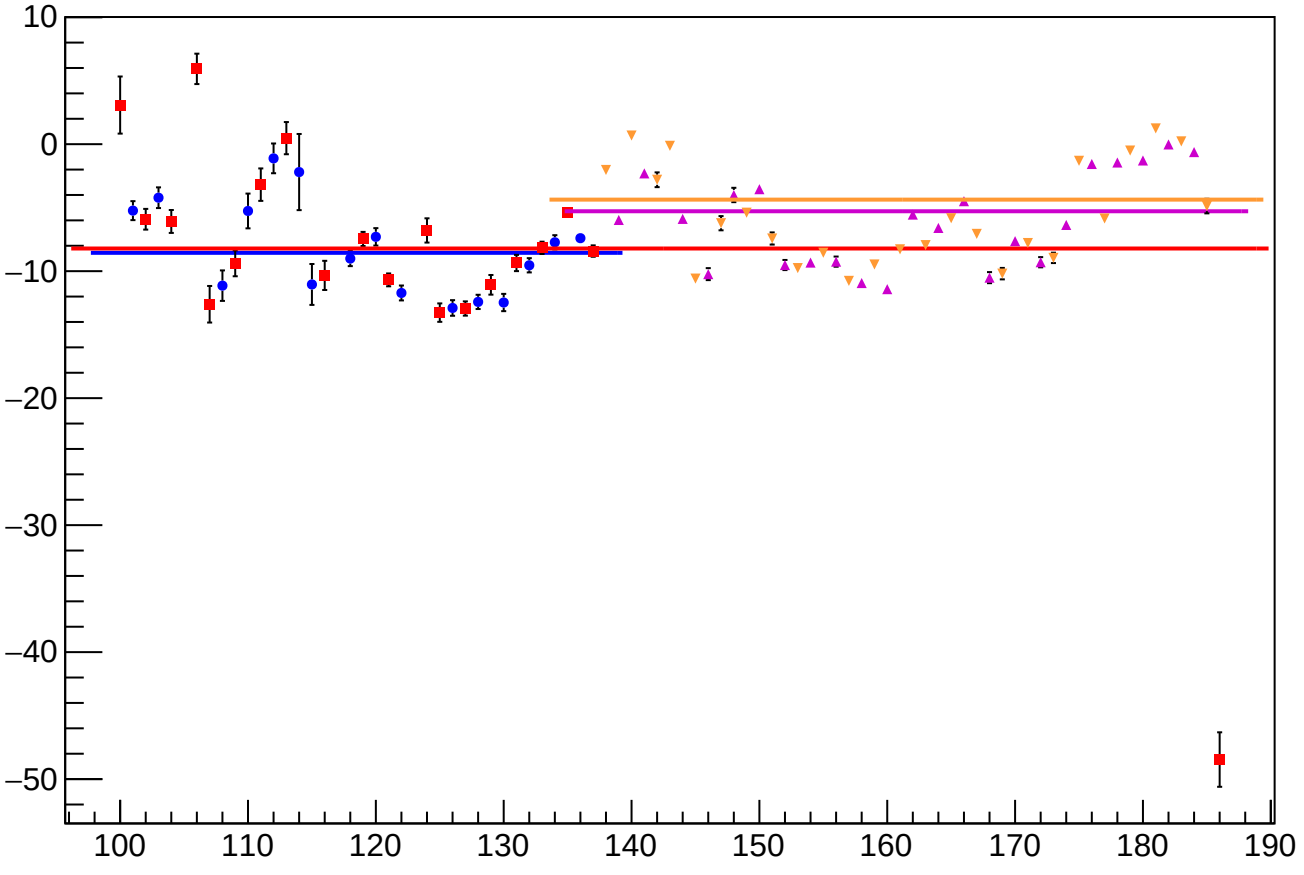
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -54.786+/-0.052 χ^2/NDF: 8728.1/40

All: -54.791+/-0.037 χ^2/NDF: 17594.8/83

- sign -54.796+/-0.054 χ^2/NDF: 8866.6/42

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -8.216+/-0.153 χ^2/NDF: 843.0/19

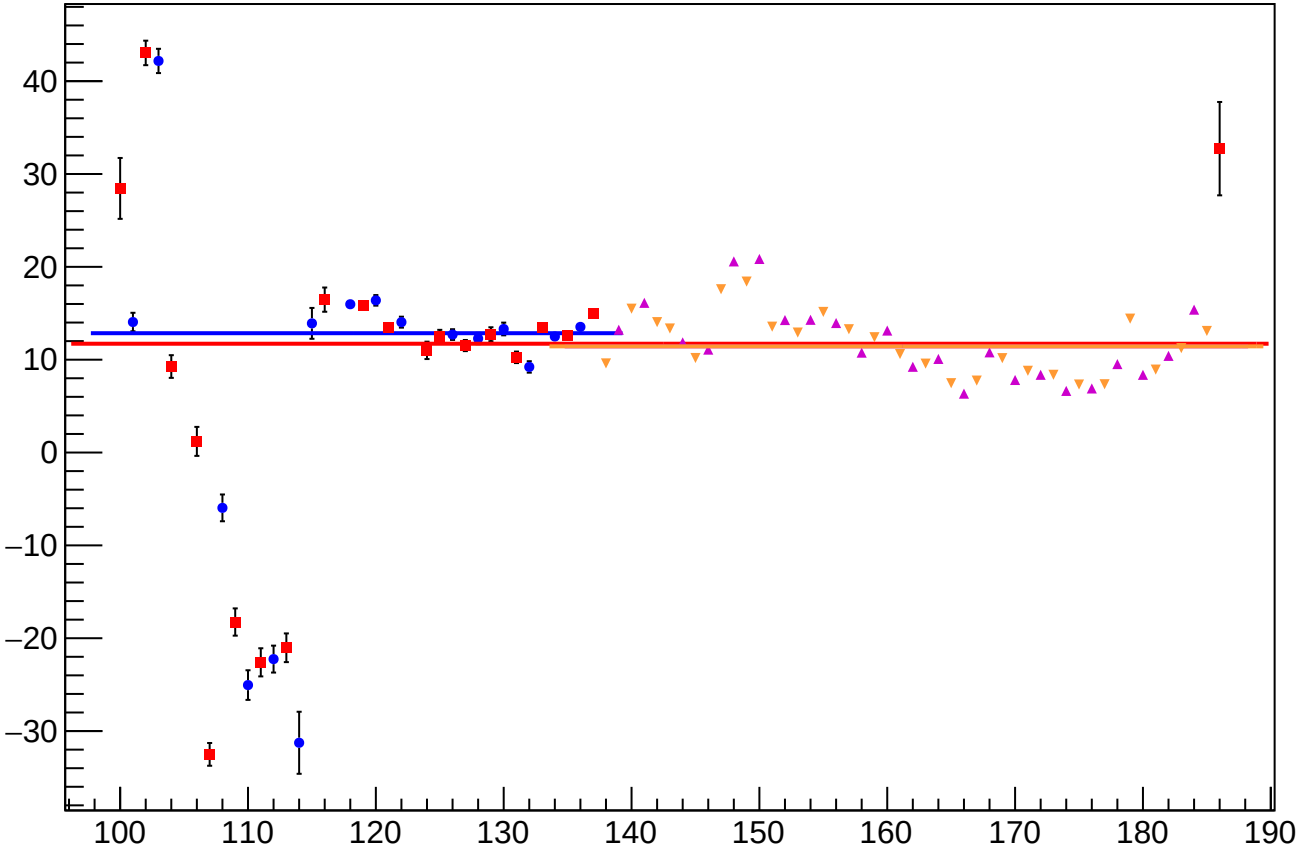
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -5.147+/-0.062 χ^2/NDF: 4683.8/40

All: -5.466+/-0.045 χ^2/NDF: 8634.6/83

- sign -5.806+/-0.064 χ^2/NDF: 3896.9/42

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 11.719+/-0.155 χ^2/NDF: 3516.3/19

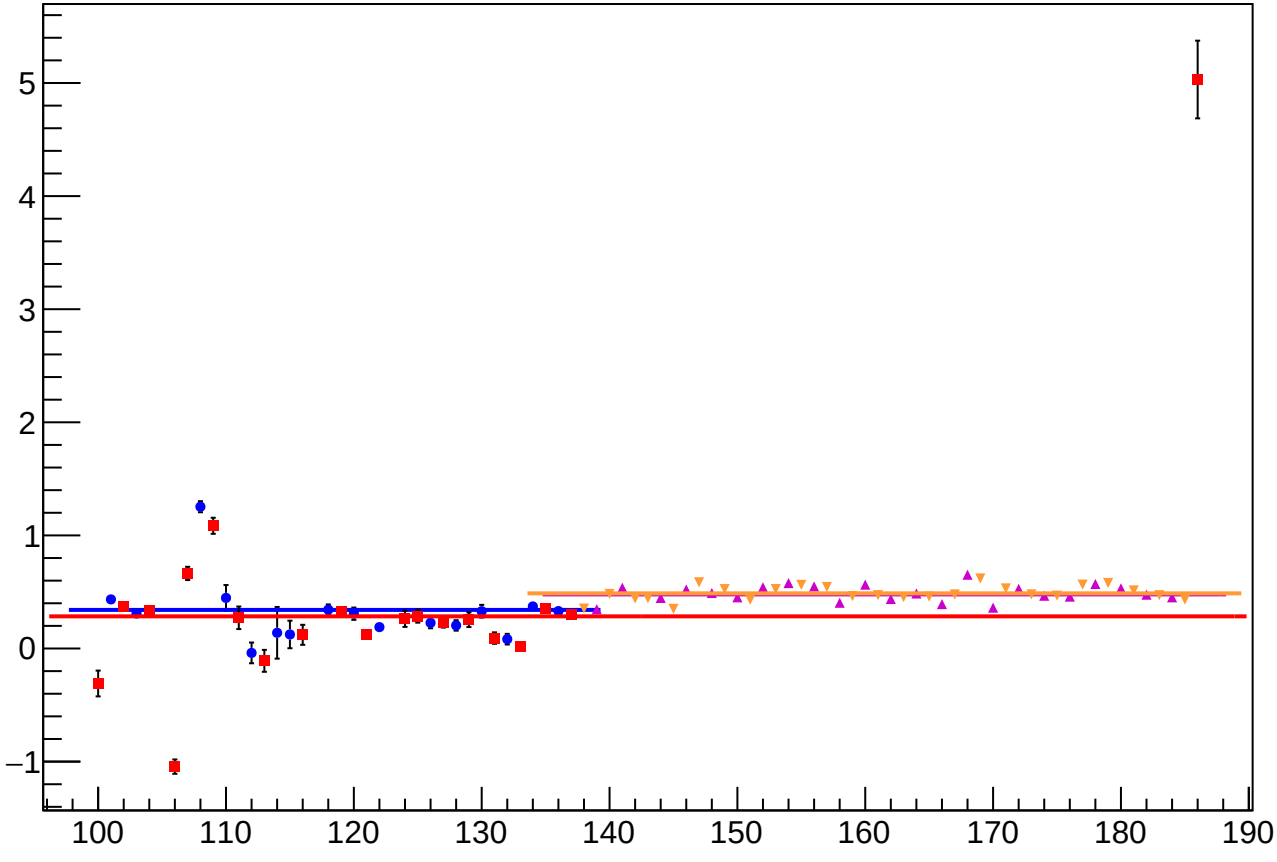
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 11.643+/-0.057 χ^2/NDF: 4639.8/40

All: 11.565+/-0.041 χ^2/NDF: 11521.1/83

\- 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: 434.8/15

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.284+/-0.008 χ^2/NDF: 968.7/19

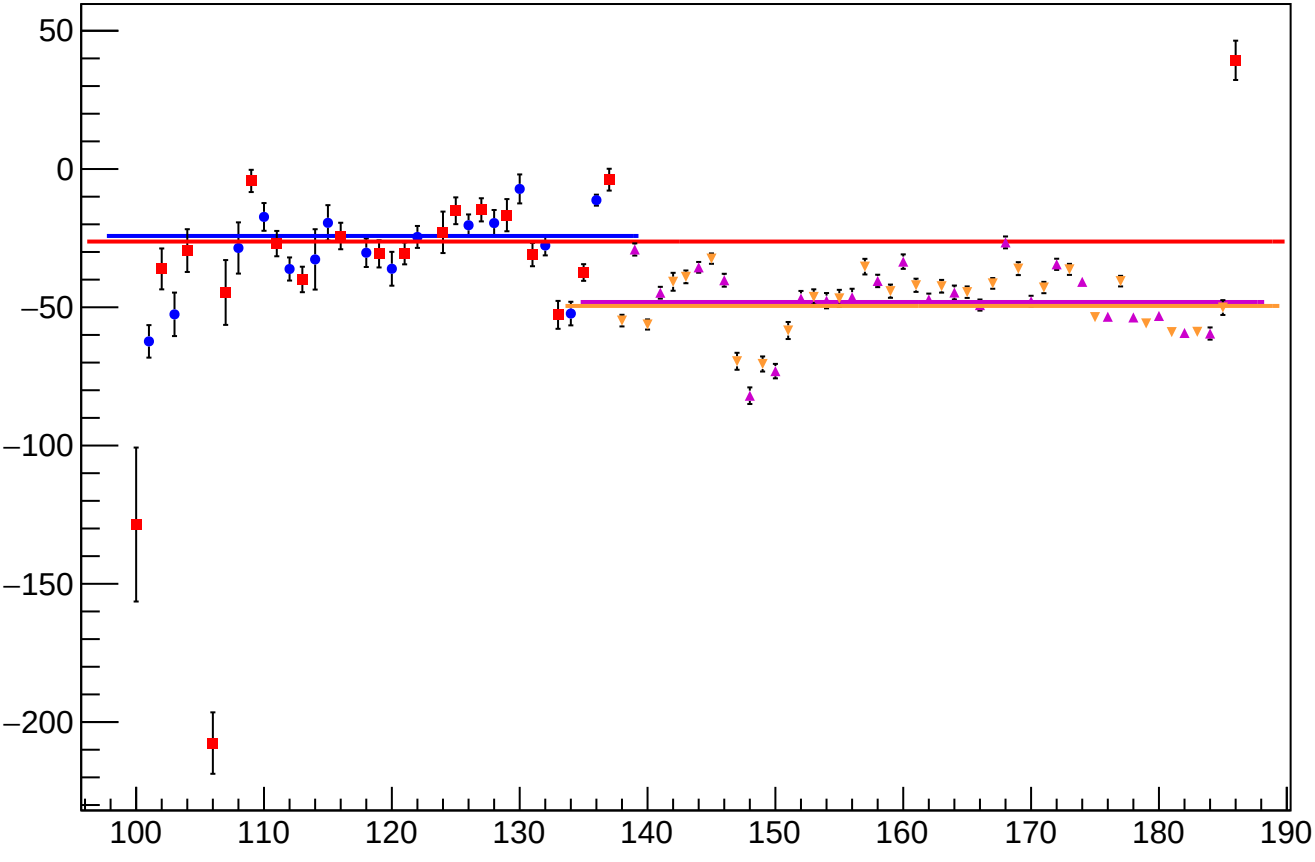
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

\+ sign 0.472+/-0.003 χ^2/NDF: 1283.0/40

All: 0.466+/-0.002 χ^2/NDF: 3536.1/83

\- sign 0.460+/-0.003 χ^2/NDF: 2242.0/42

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -26.229+/-1.123 χ^2/NDF: 500.6/19

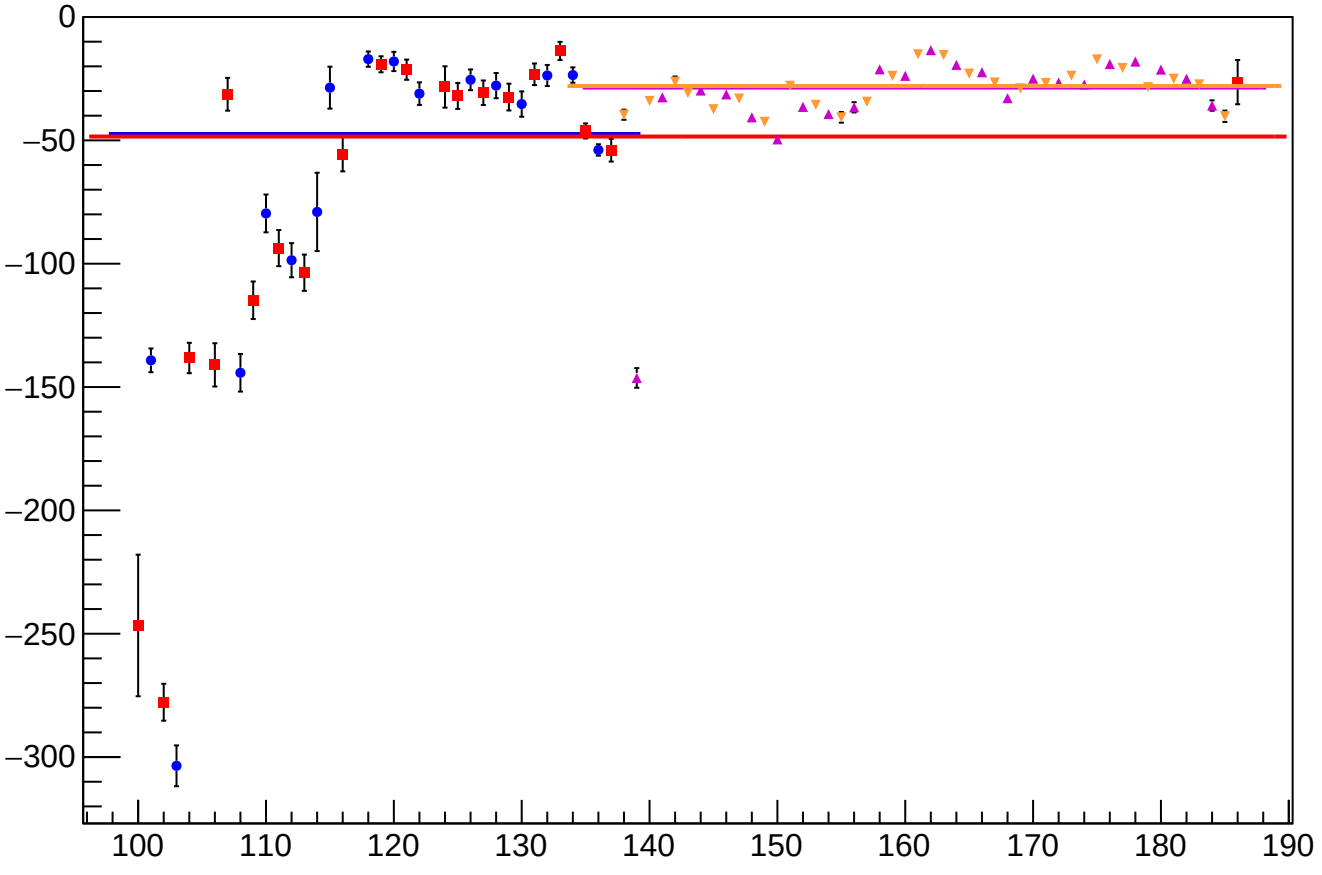
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.463+/-0.377 χ^2/NDF: 1224.4/40

All: -45.961+/-0.272 χ^2/NDF: 2767.7/83

- sign -45.420+/-0.392 χ^2/NDF: 1539.6/42

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -48.448+/-1.172 χ^2/NDF: 1780.8/19

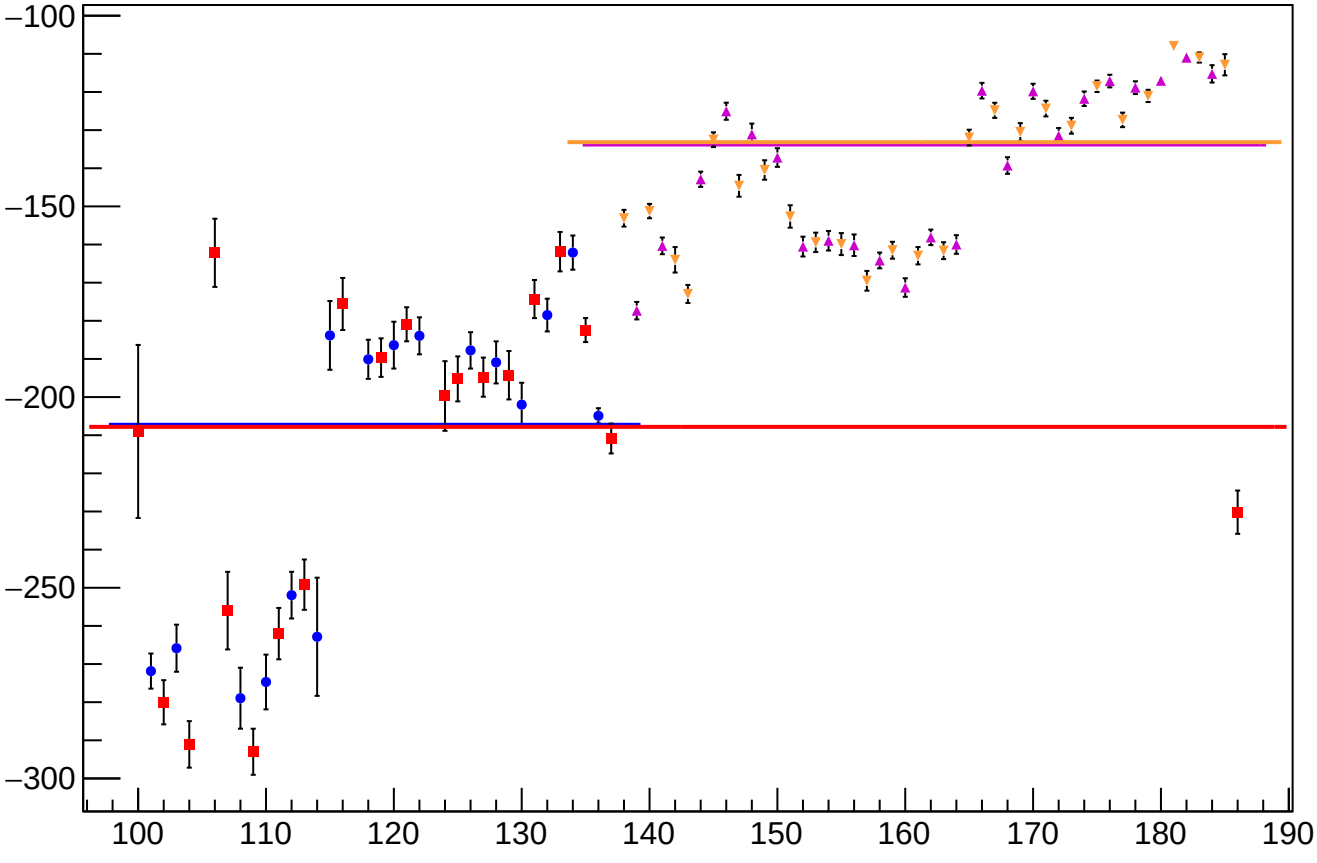
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

+ sign -29.483+/-0.308 χ^2/NDF: 2659.2/40

All: -29.770+/-0.222 χ^2/NDF: 6187.8/83

- sign -30.080+/-0.321 χ^2/NDF: 3526.8/42

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -207.810+/-1.248 χ^2/NDF: 985.8/19

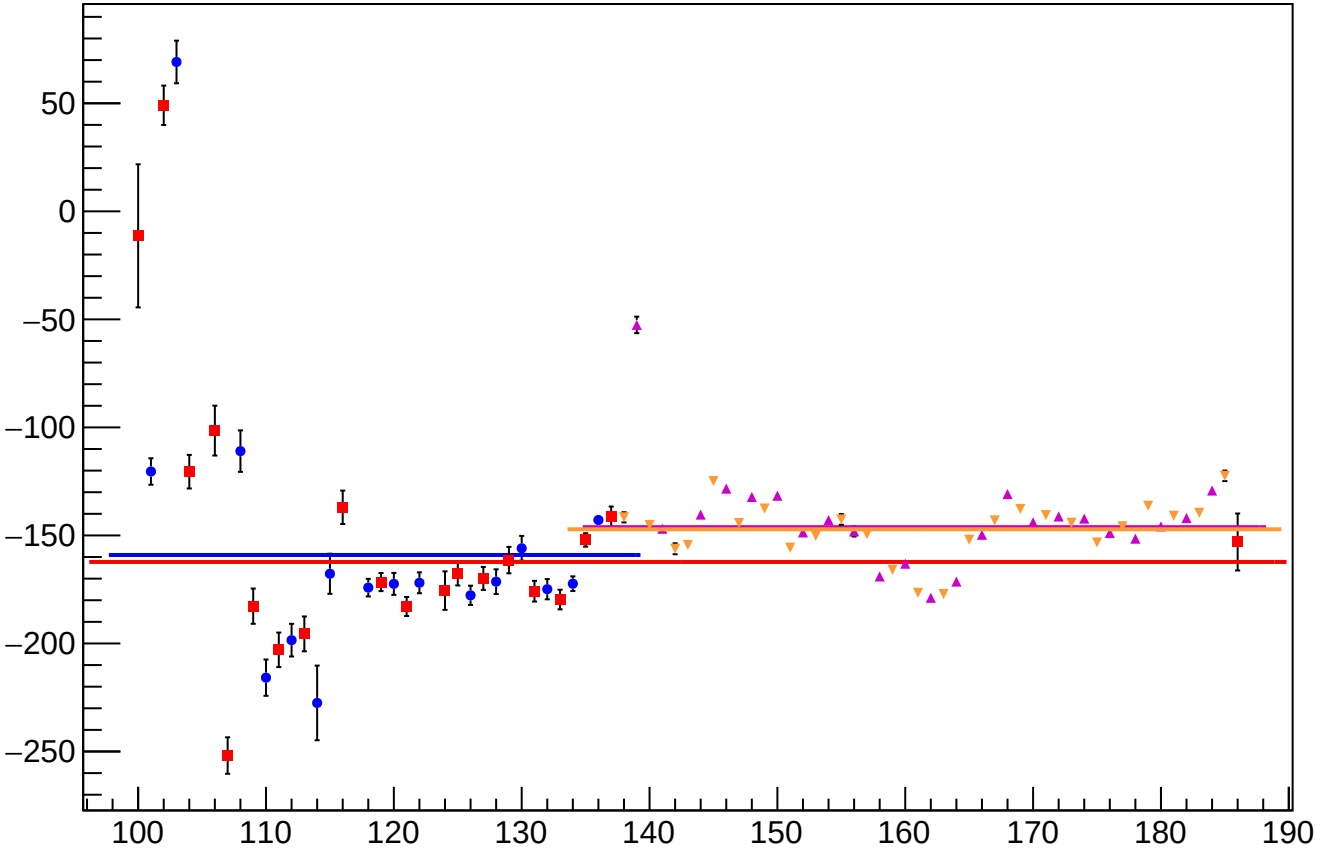
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -140.913+/-0.381 χ^2/NDF: 6820.9/40

All: -141.056+/-0.274 χ^2/NDF: 13412.6/83

- sign -141.210+/-0.395 χ^2/NDF: 6591.4/42

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -162.276+/-1.317 χ^2/NDF: 873.1/19

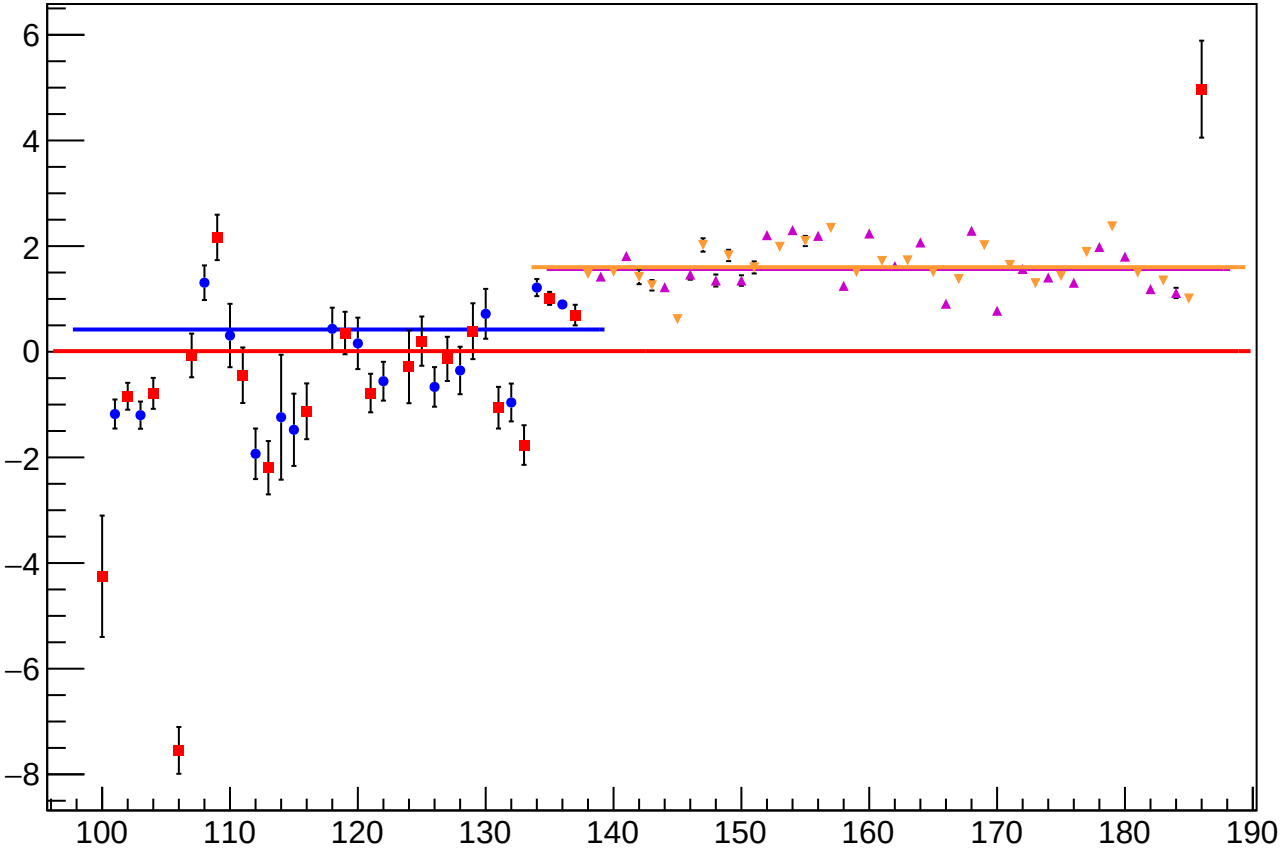
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -148.101+/-0.344 χ^2/NDF: 2148.0/40

All: -147.741+/-0.248 χ^2/NDF: 4955.6/83

- sign -147.354+/-0.357 χ^2/NDF: 2805.3/42

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.012+/-0.072 χ^2/NDF: 517.6/19

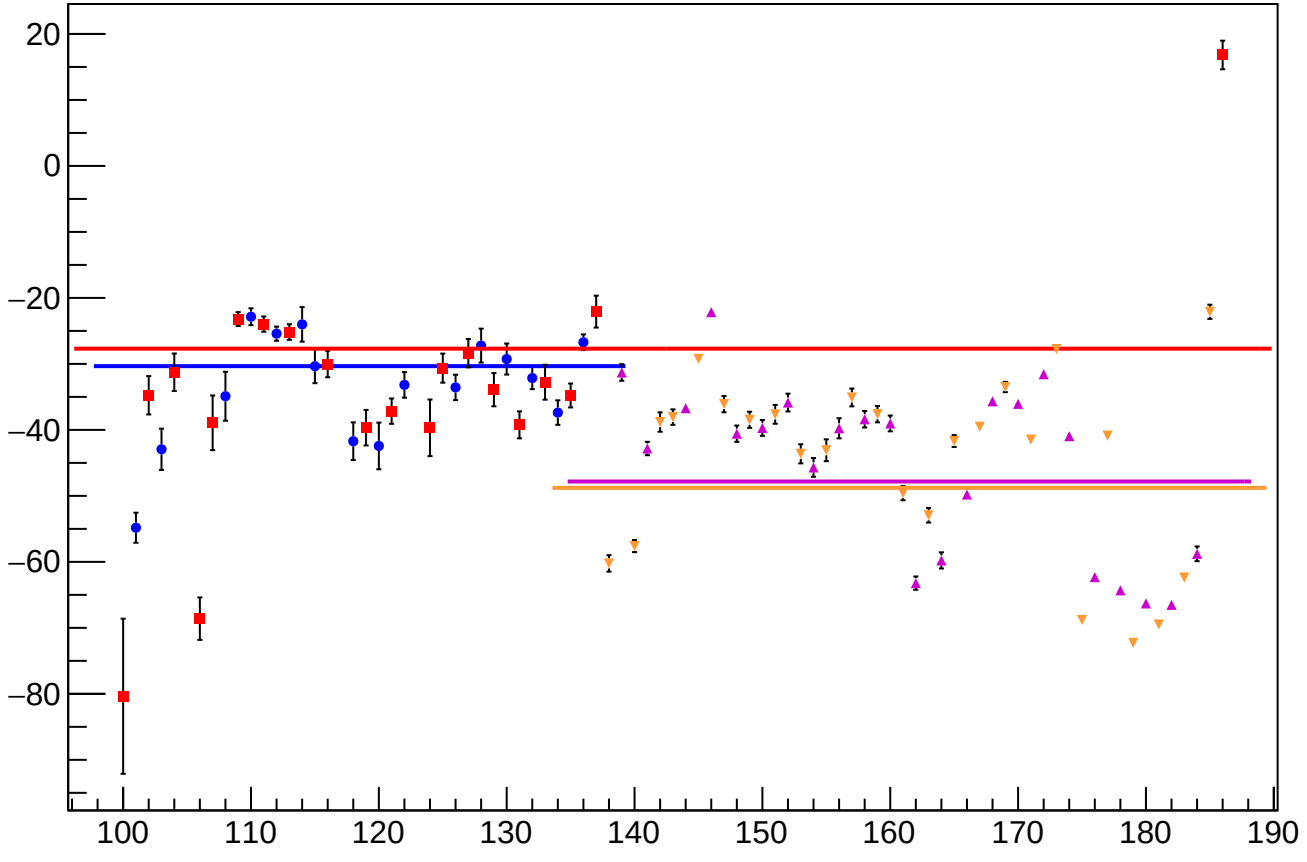
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.533+/-0.016 χ^2/NDF: 1091.6/40

All: 1.513+/-0.011 χ^2/NDF: 2790.6/83

- sign 1.491+/-0.016 χ^2/NDF: 1695.4/42

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -27.692+/-0.441 χ^2/NDF: 768.7/19

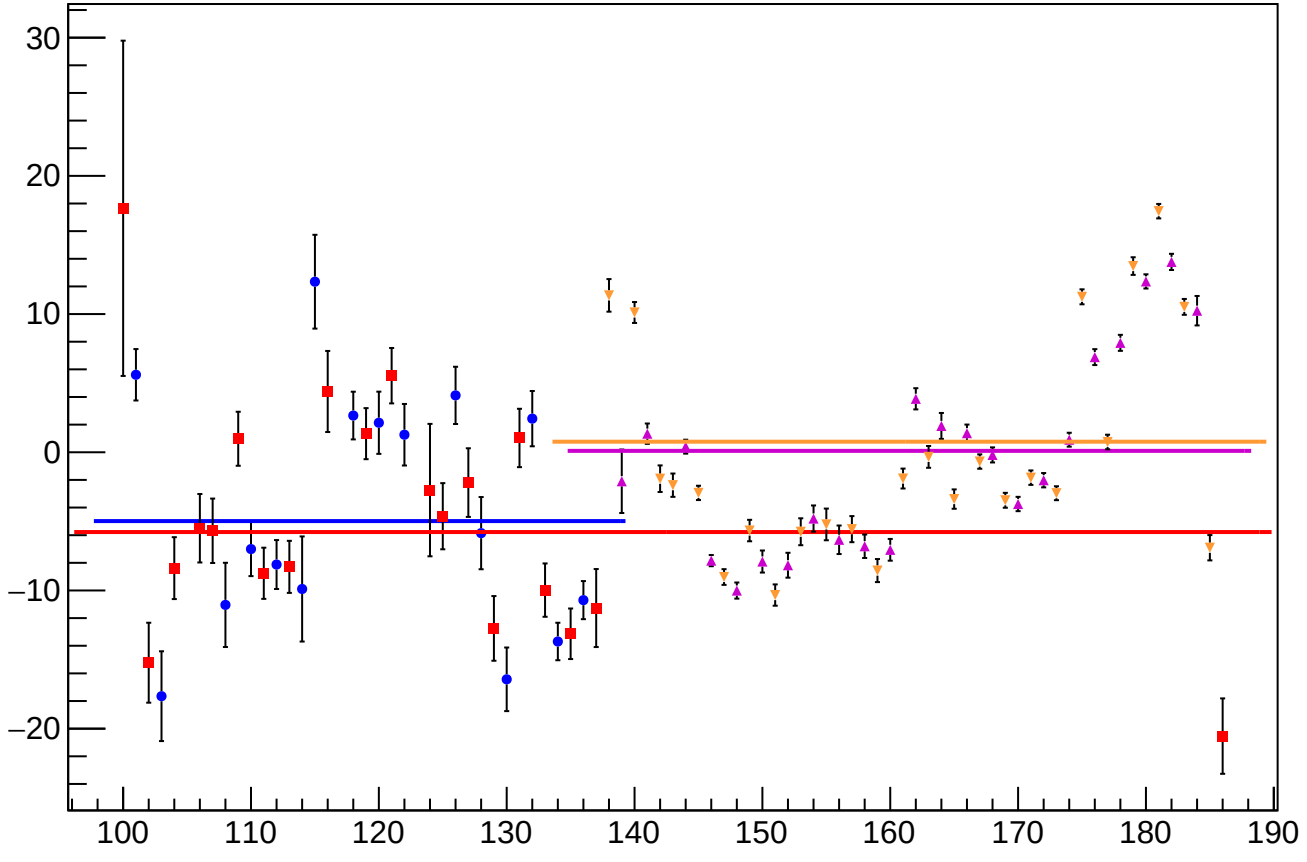
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.704+/-0.157 χ^2/NDF: 10586.1/40

All: -45.969+/-0.112 χ^2/NDF: 20435.9/83

- sign -45.219+/-0.159 χ^2/NDF: 9805.5/42

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.772+/-0.514 χ^2/NDF: 166.8/19

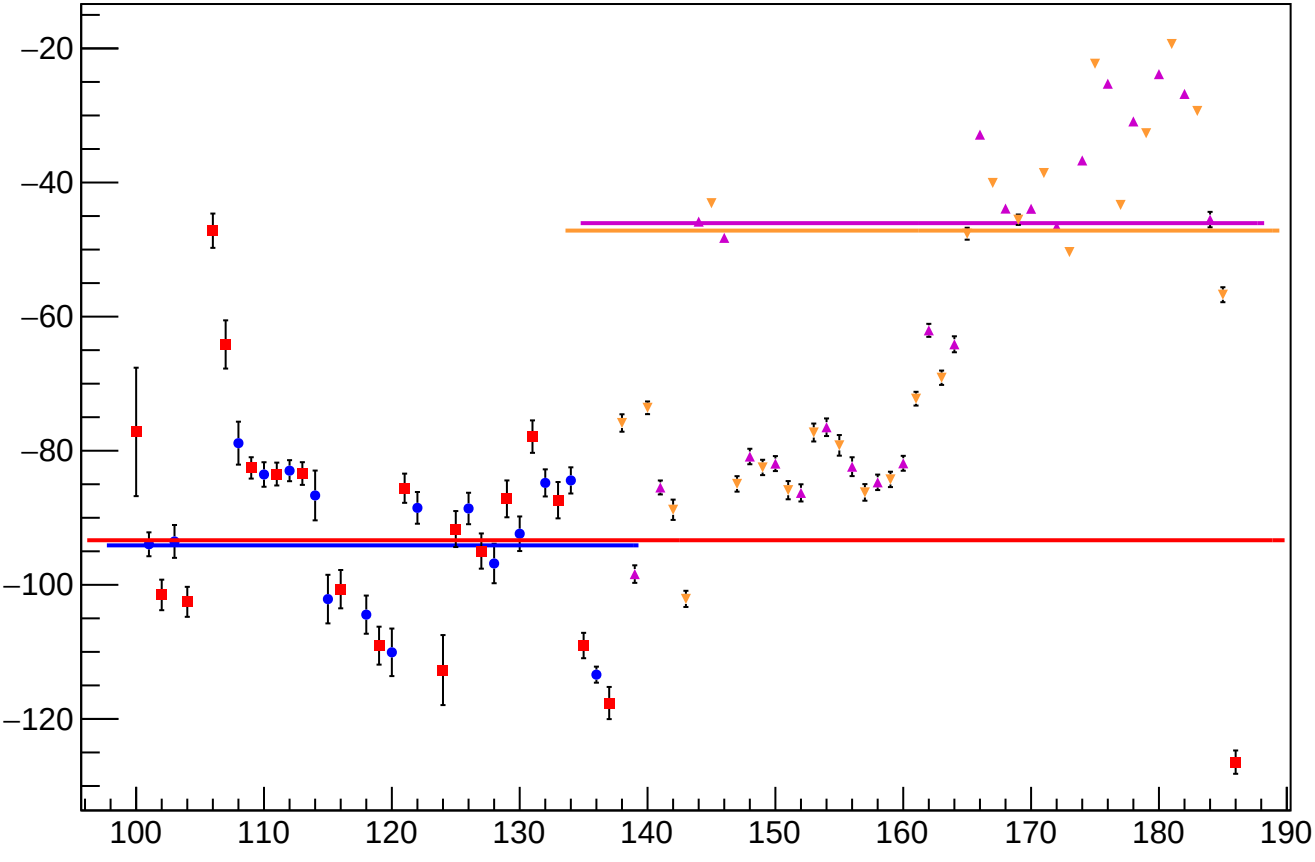
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.403+/-0.128 χ^2/NDF: 3823.6/40

All: 0.070+/-0.091 χ^2/NDF: 6848.2/83

- sign -0.266+/-0.129 χ^2/NDF: 3011.0/42

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -93.350+/-0.518 χ^2/NDF: 1186.5/19

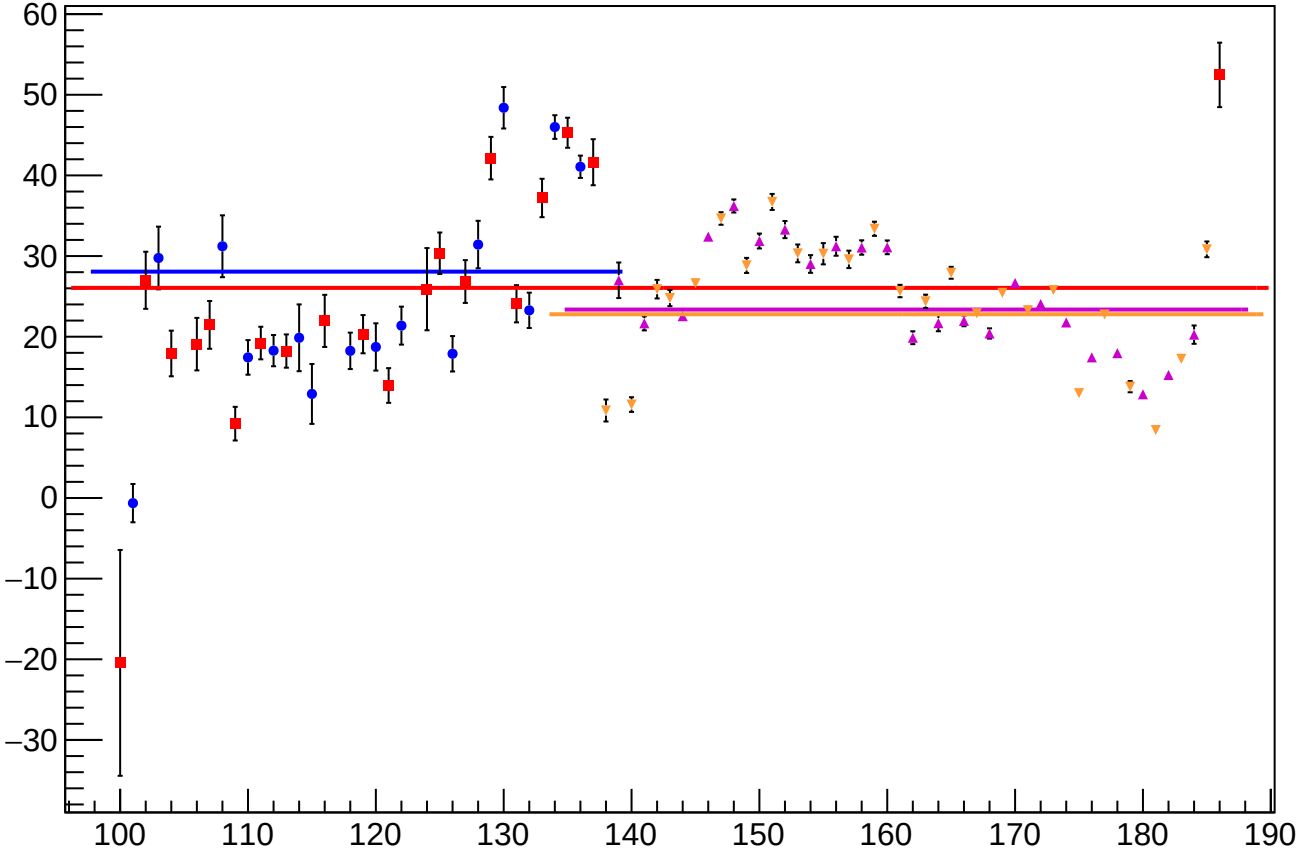
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

\+ sign -51.331+/-0.160 χ^2/NDF: 25089.9/40

All: -50.999+/-0.114 χ^2/NDF: 48571.0/83

\- sign -50.660+/-0.162 χ^2/NDF: 23472.4/42

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 26.053+/-0.584 χ^2/NDF: 399.2/19

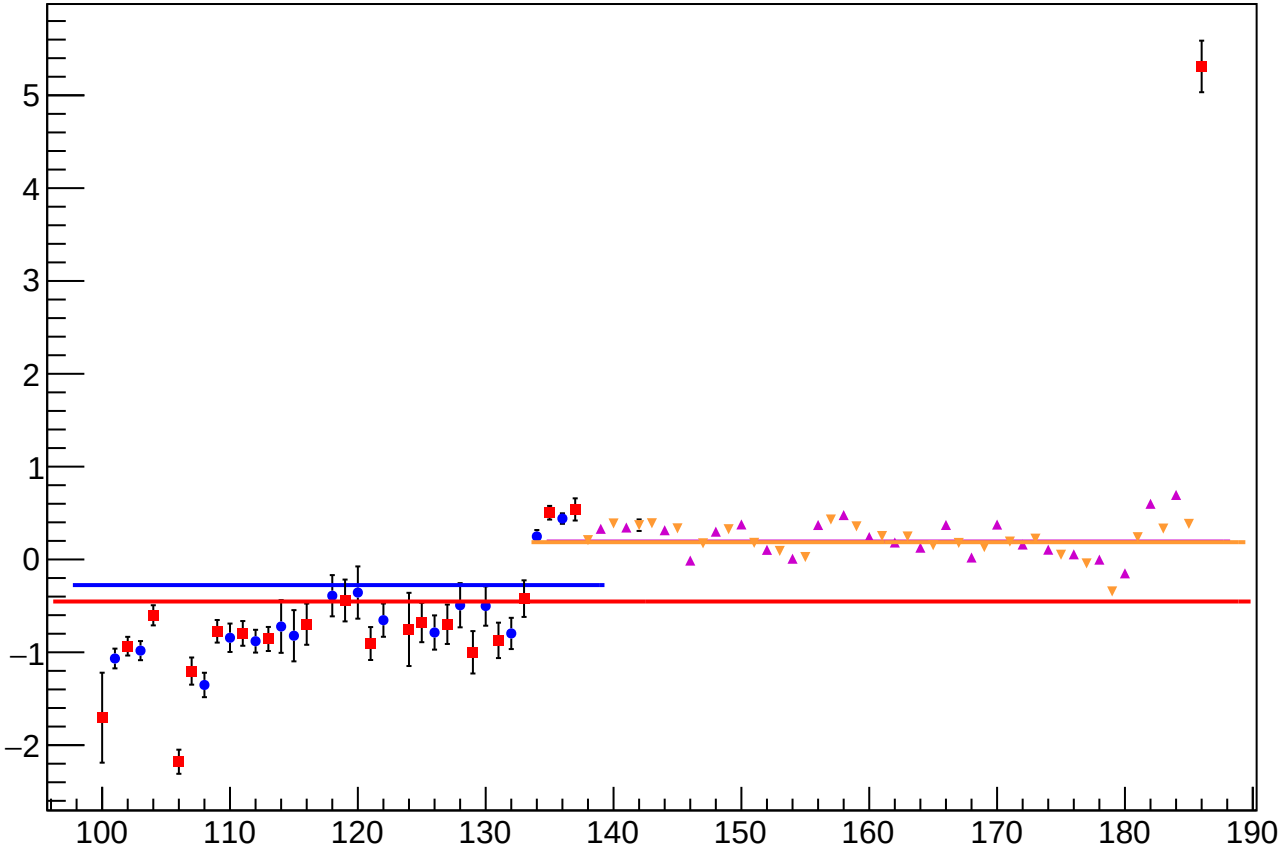
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.114+/-0.143 χ^2/NDF: 3077.0/40

All: 23.320+/-0.101 χ^2/NDF: 5285.7/83

- sign 23.529+/-0.144 χ^2/NDF: 2204.5/42

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.453+/-0.033 χ^2/NDF: 947.4/19

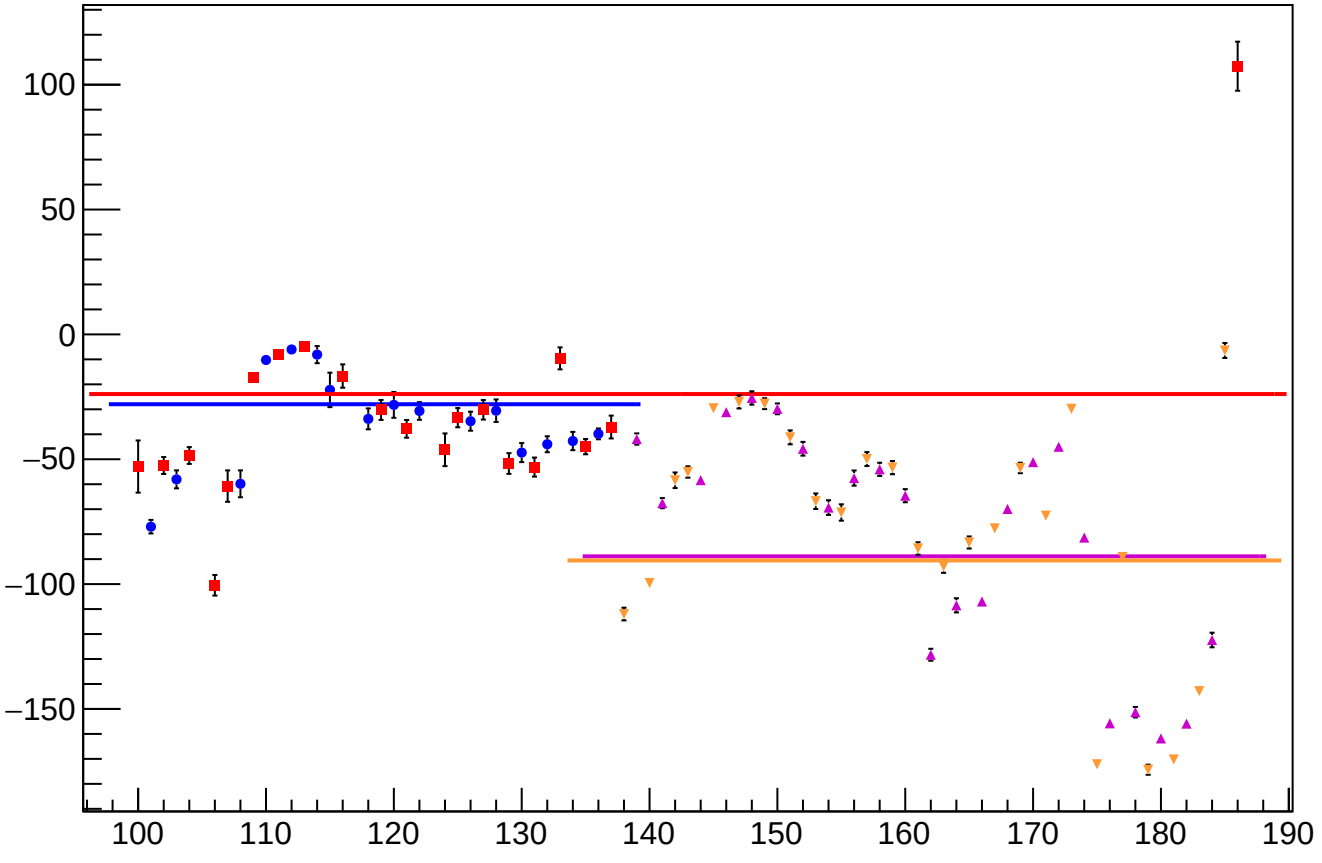
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.166+/-0.006 χ^2/NDF: 1318.9/40

All: 0.167+/-0.005 χ^2/NDF: 3581.0/83

- sign 0.167+/-0.007 χ^2/NDF: 2262.1/42

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -23.888+/-0.661 χ^2/NDF: 1168.8/19

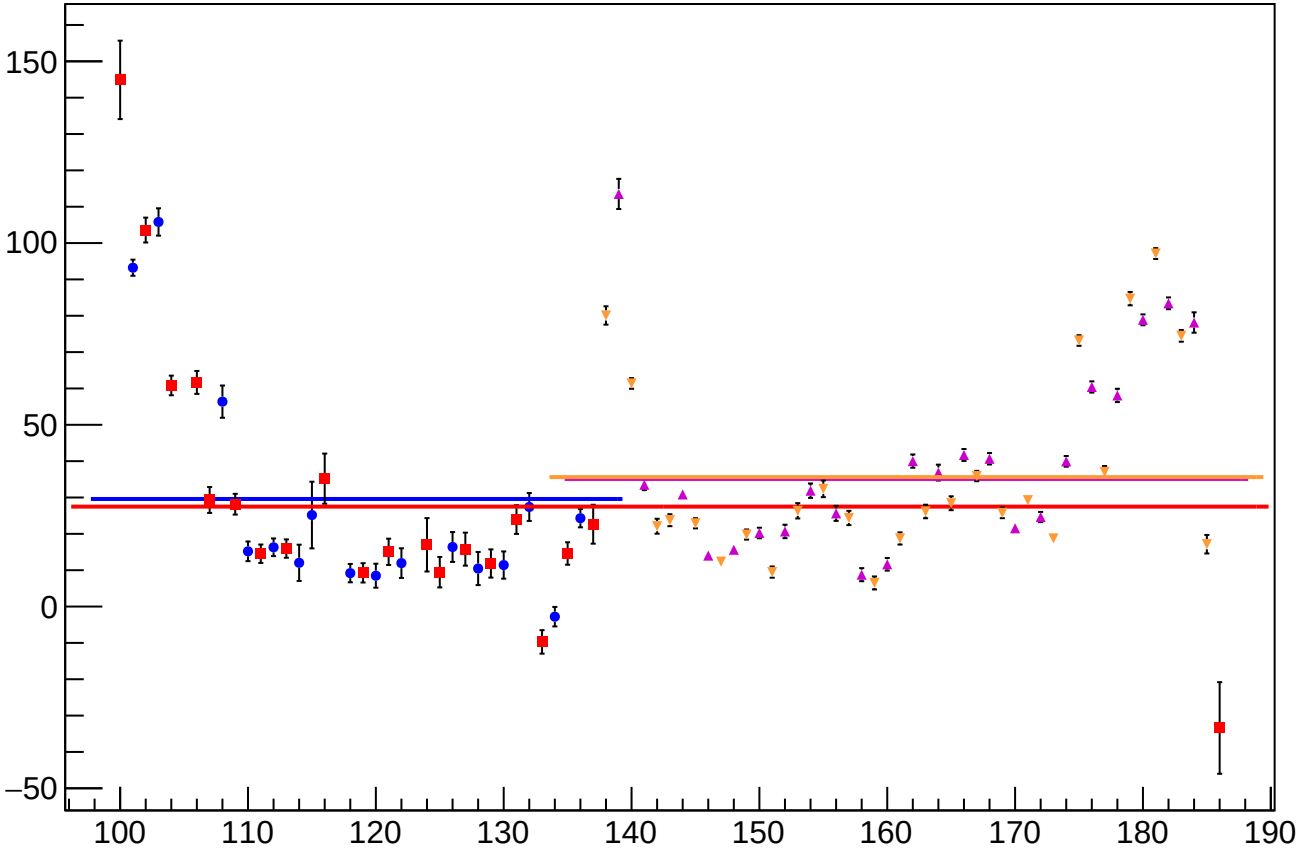
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -74.824+/-0.365 χ^2/NDF: 21791.3/40

All: -72.047+/-0.257 χ^2/NDF: 41638.5/83

- sign -69.291+/-0.363 χ^2/NDF: 19731.6/42

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 27.492+/-0.795 χ^2/NDF: 1208.5/19

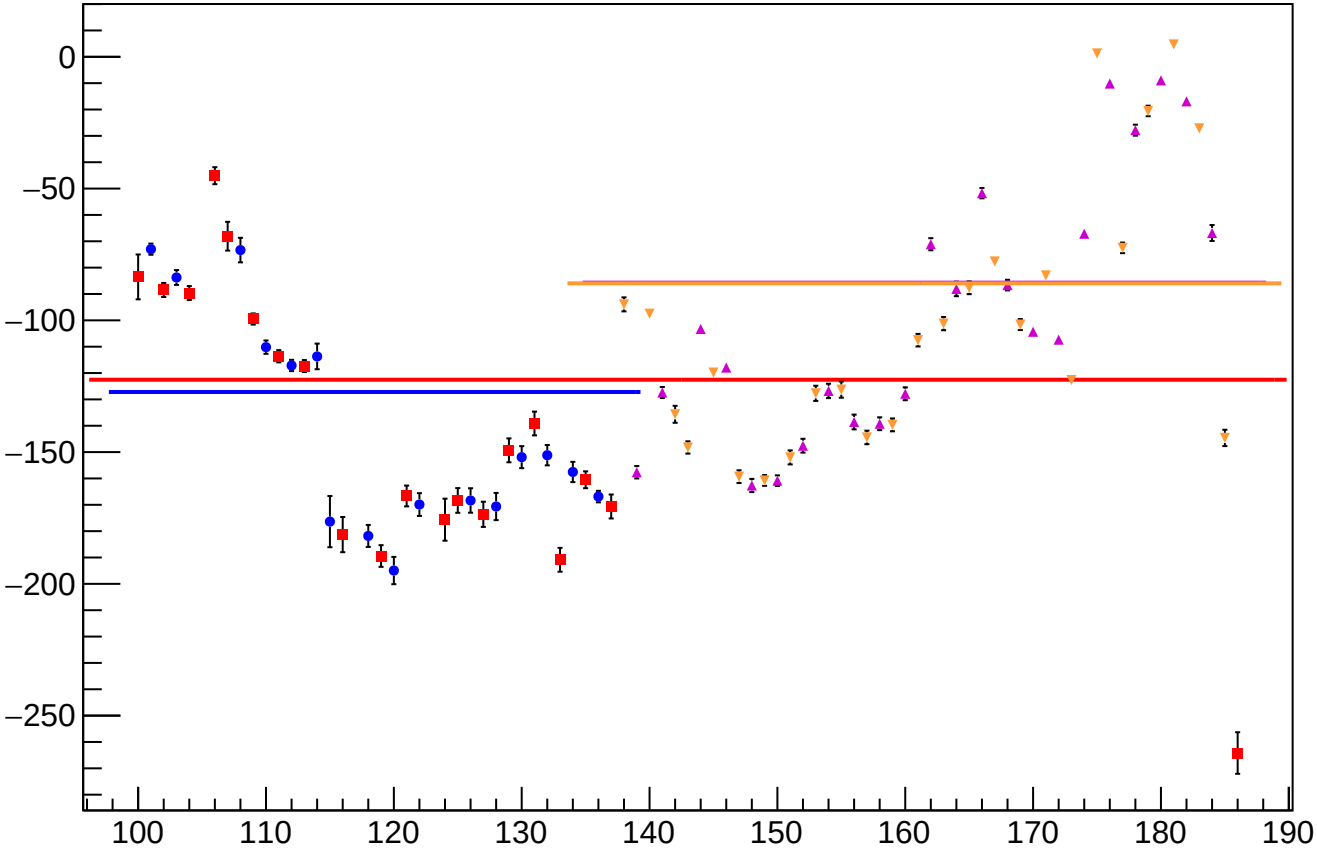
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 34.769+/-0.302 χ^2/NDF: 7686.5/40

All: 34.373+/-0.216 χ^2/NDF: 13120.8/83

- sign 33.956+/-0.310 χ^2/NDF: 5430.8/42

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -122.537+/-0.794 χ^2/NDF: 2723.5/19

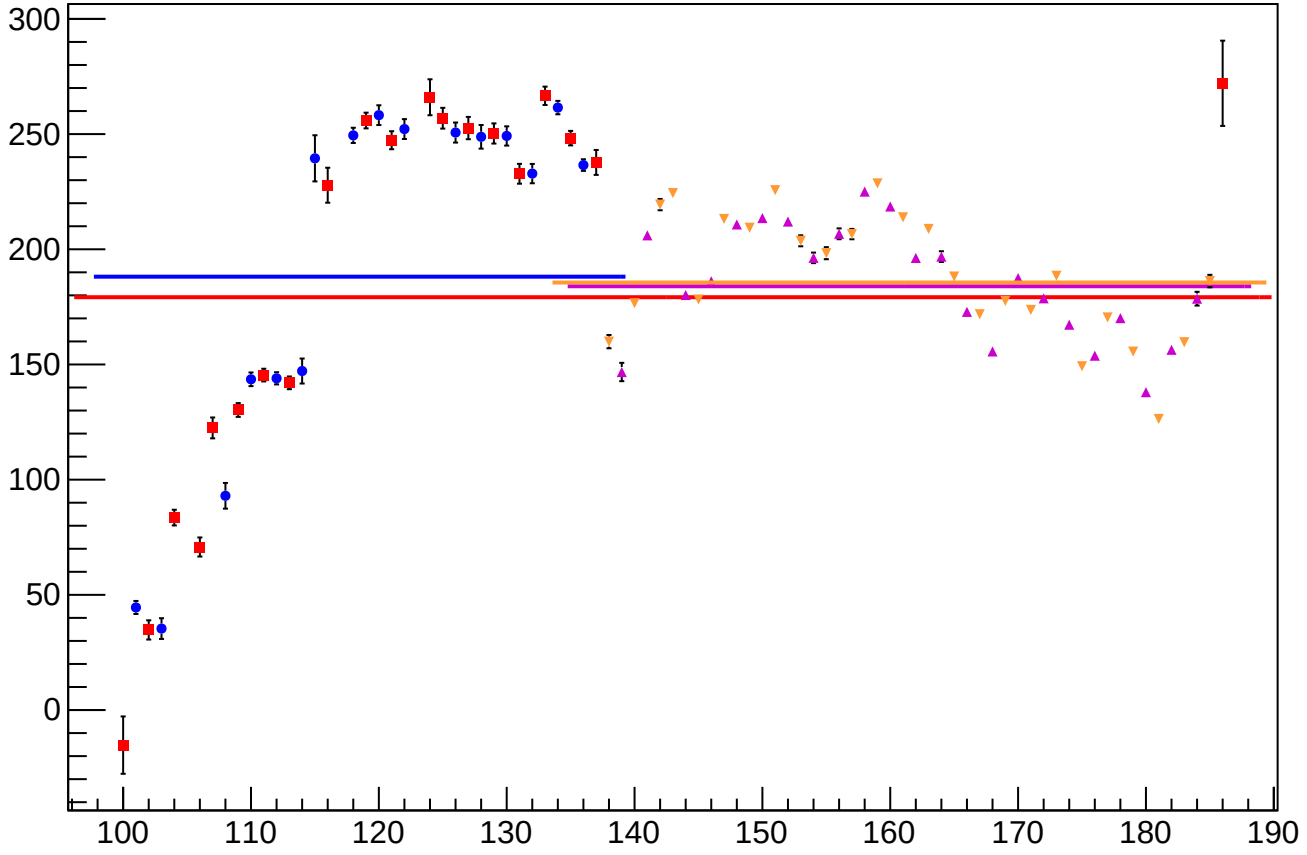
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -94.408+/-0.375 χ^2/NDF: 20375.3/40

All: -94.275+/-0.267 χ^2/NDF: 38518.4/83

- sign -94.138+/-0.380 χ^2/NDF: 18142.9/42

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 179.194+/-0.907 χ^2/NDF: 6694.1/19

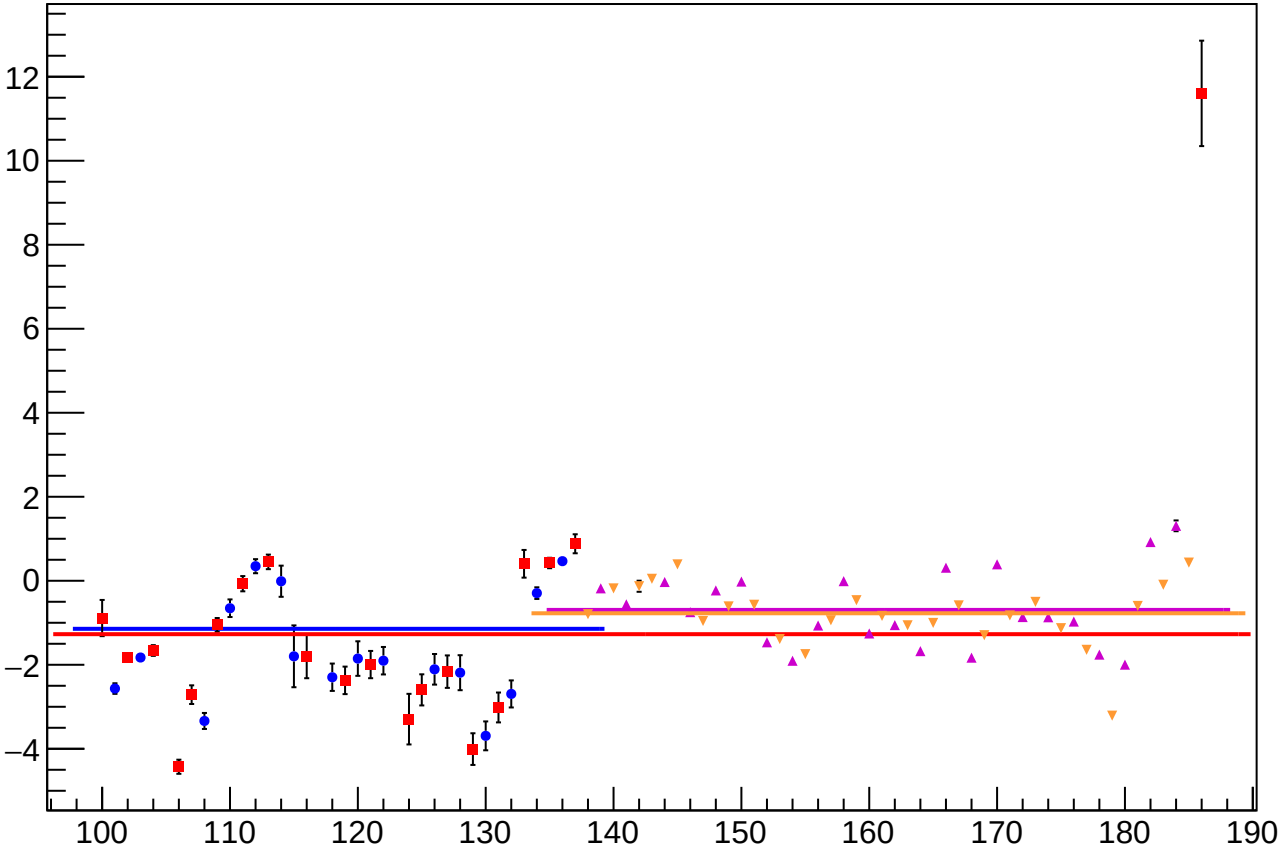
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 185.931+/-0.341 χ^2/NDF: 12479.8/40

All: 184.616+/-0.244 χ^2/NDF: 23101.3/83

- sign 183.239+/-0.349 χ^2/NDF: 10590.9/42

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.272+/-0.047 χ^2/NDF: 1103.6/19

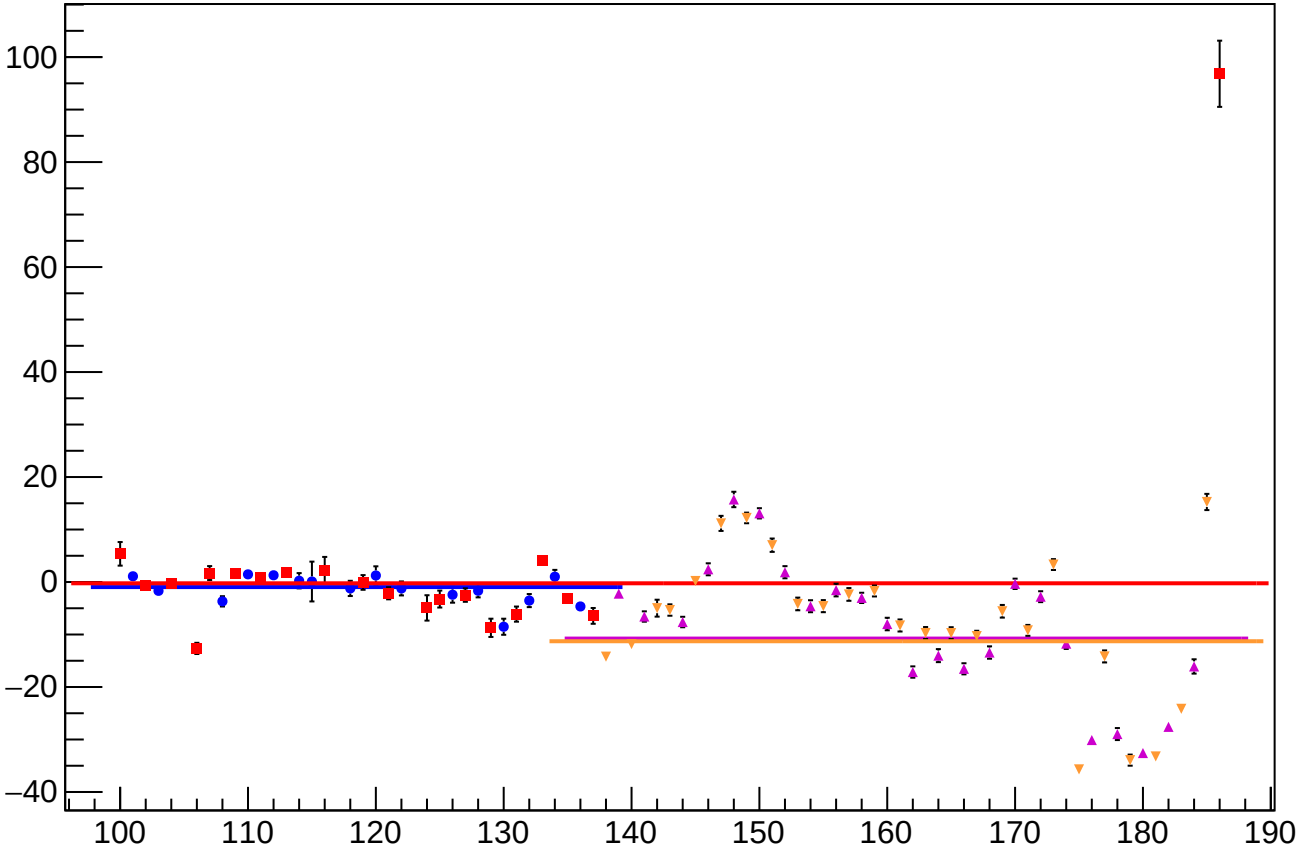
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.813+/-0.016 χ^2/NDF: 2663.4/40

All: -0.786+/-0.011 χ^2/NDF: 6470.5/83

- sign -0.758+/-0.016 χ^2/NDF: 3800.9/42

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.243+/-0.224 χ^2/NDF: 517.8/19

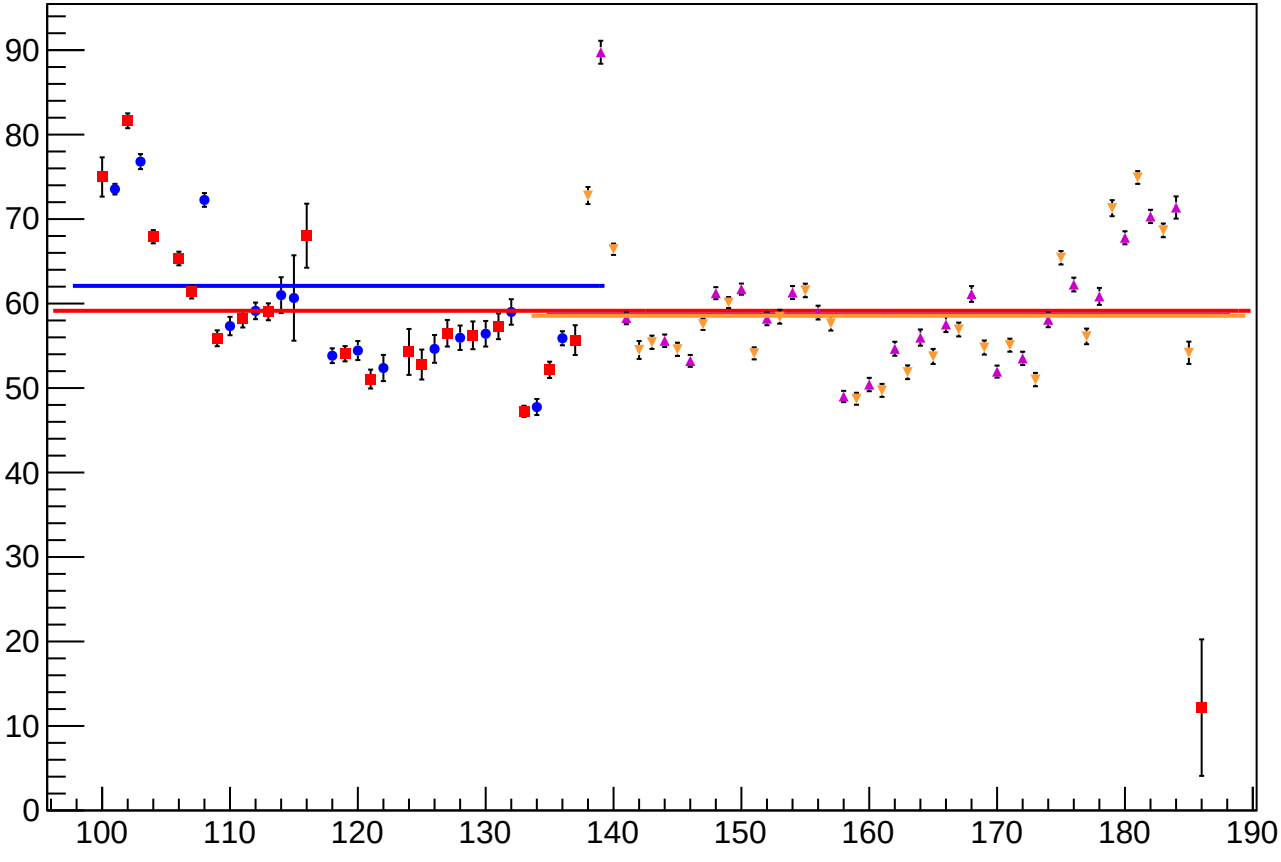
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -7.126+/-0.161 χ^2/NDF: 5595.4/40

All: -6.413+/-0.111 χ^2/NDF: 11011.7/83

- sign -5.756+/-0.154 χ^2/NDF: 5378.5/42

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 59.145+/-0.244 χ^2/NDF: 1436.0/19

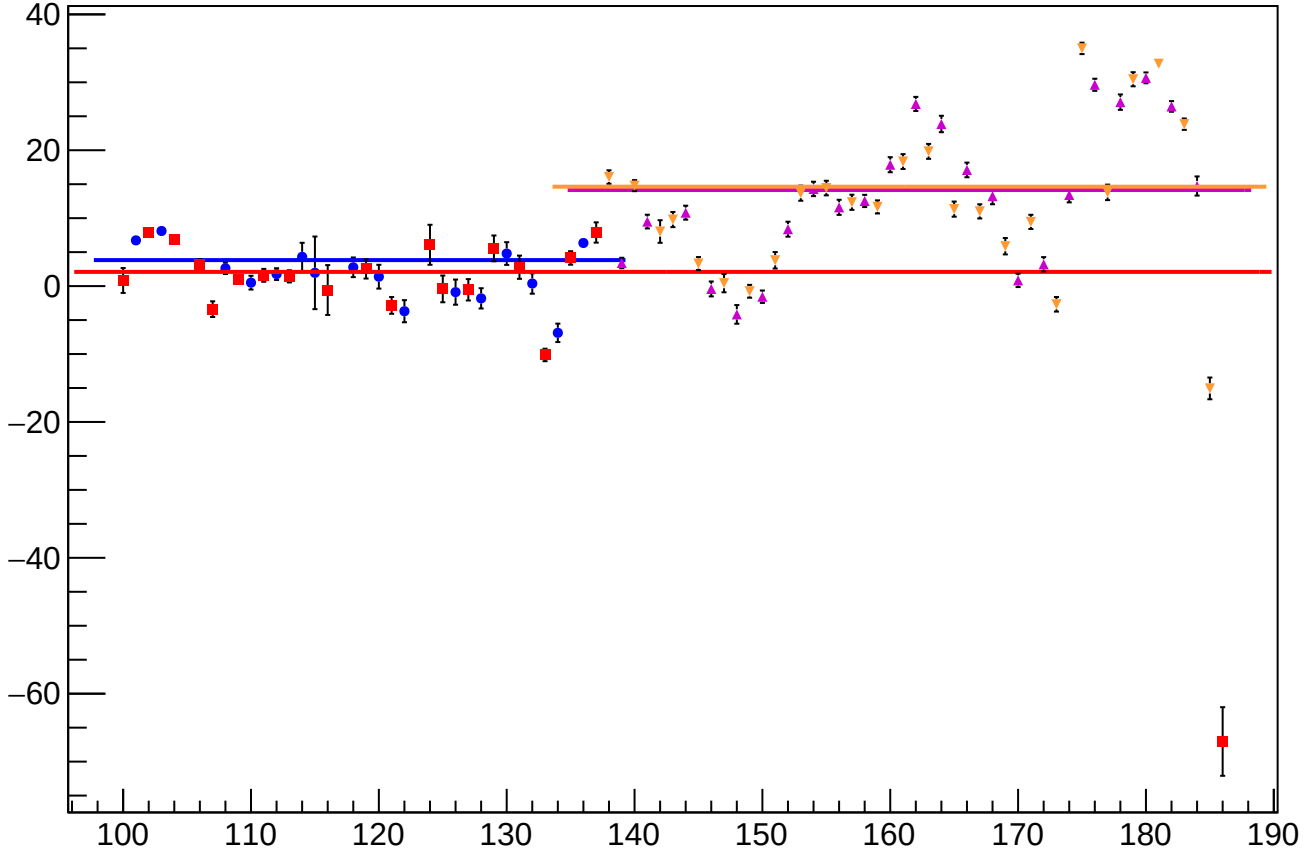
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 59.505+/-0.138 χ^2/NDF: 3334.1/40

All: 59.169+/-0.098 χ^2/NDF: 6397.9/83

- sign 58.829+/-0.139 χ^2/NDF: 3051.9/42

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 2.092+/-0.246 χ^2/NDF: 559.7/19

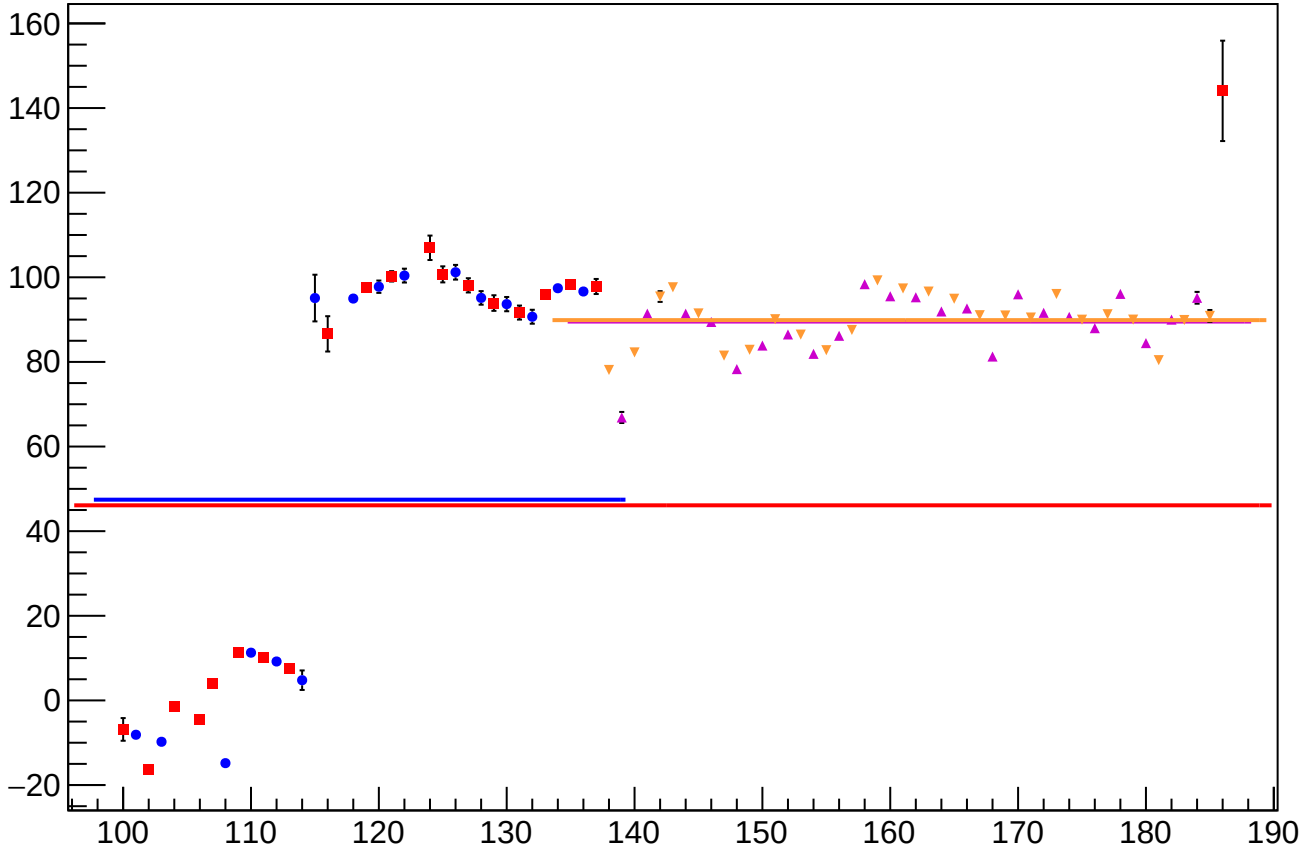
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.552+/-0.163 χ^2/NDF: 4203.2/40

All: 9.780+/-0.114 χ^2/NDF: 8728.9/83

- sign 9.033+/-0.160 χ^2/NDF: 4481.6/42

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 46.109+/-0.284 χ^2/NDF: 28966.0/19

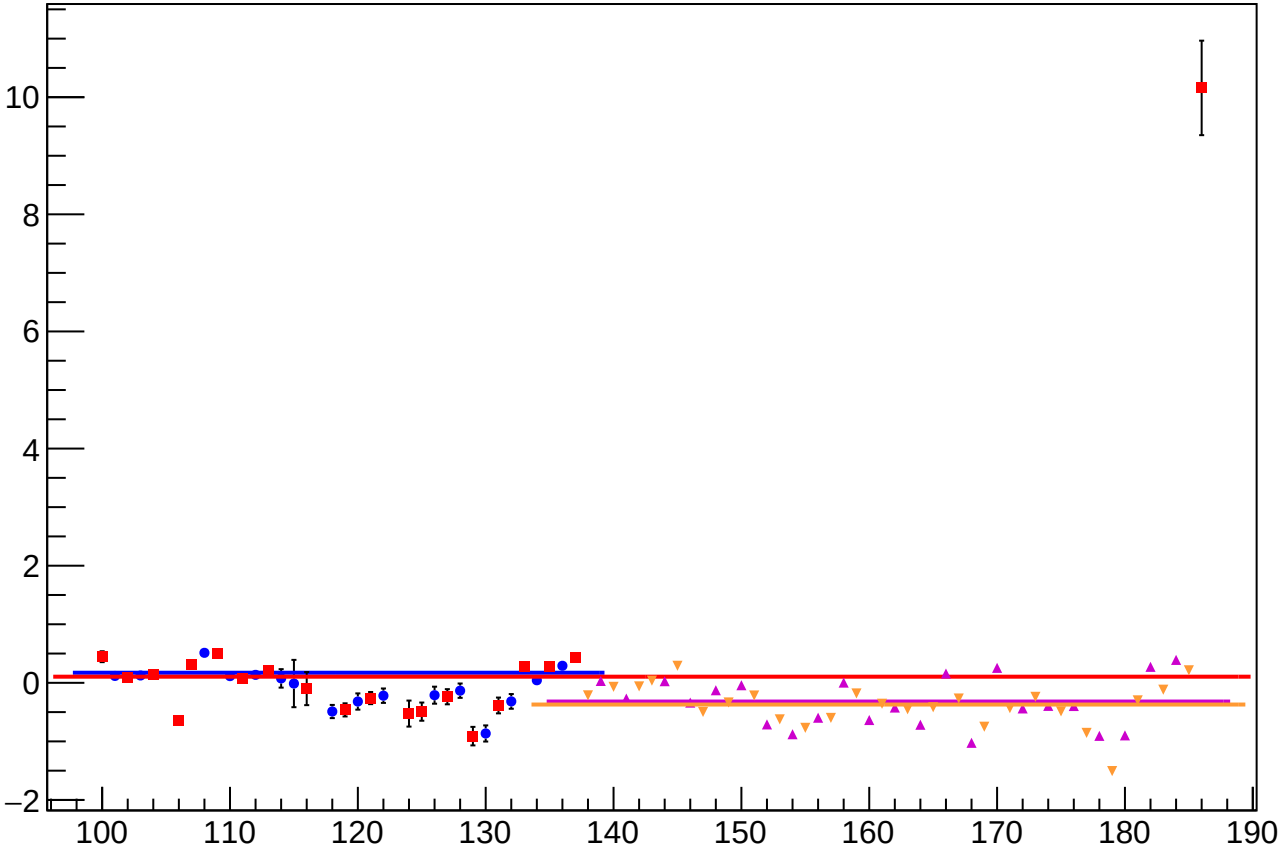
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 78.984+/-0.156 χ^2/NDF: 42055.0/40

All: 77.684+/-0.111 χ^2/NDF: 88513.5/83

- 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: 265.0/15

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: 0.105+/-0.013 χ^2/NDF: 714.1/19

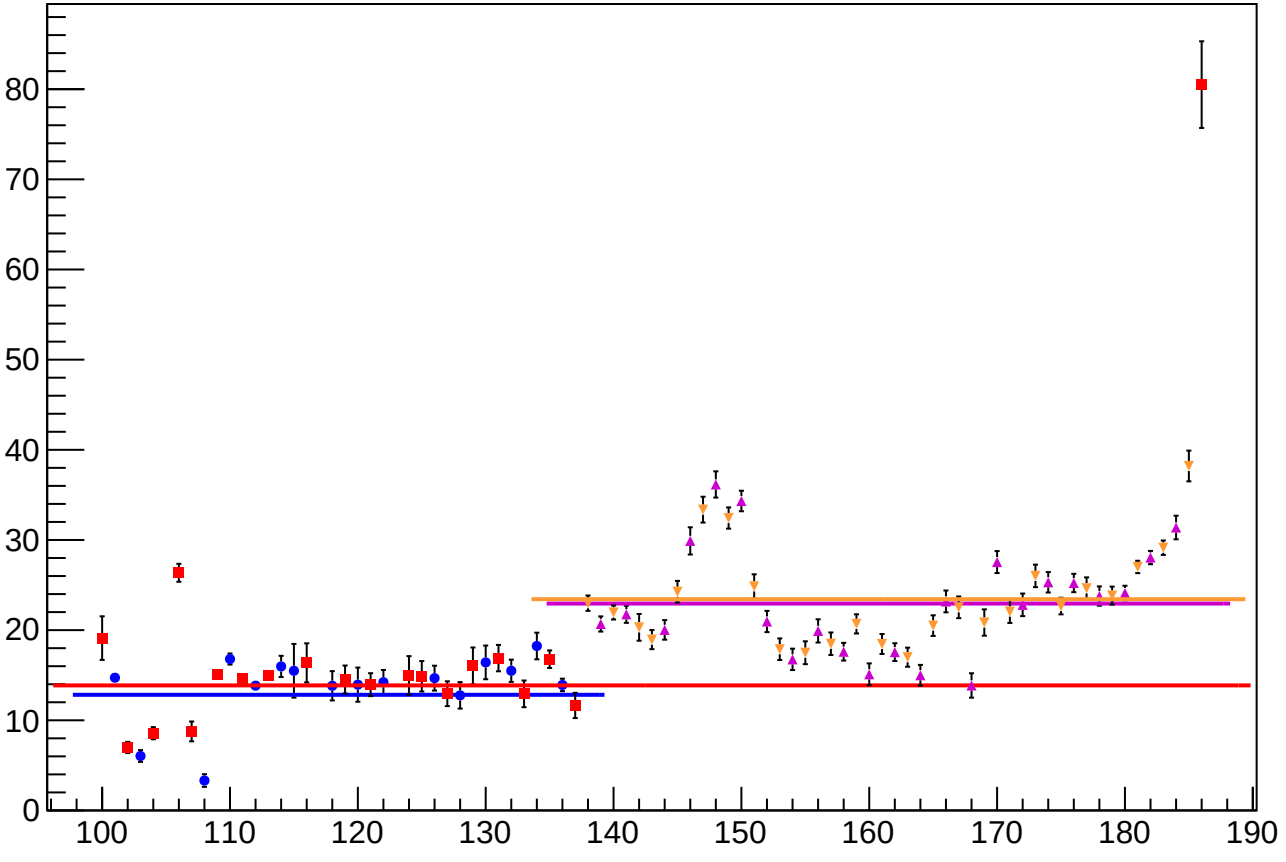
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.238+/-0.007 χ^2/NDF: 3148.8/40

All: -0.222+/-0.005 χ^2/NDF: 7044.7/83

- sign -0.207+/-0.007 χ^2/NDF: 3885.3/42

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.870+/-0.204 χ^2/NDF: 596.5/19

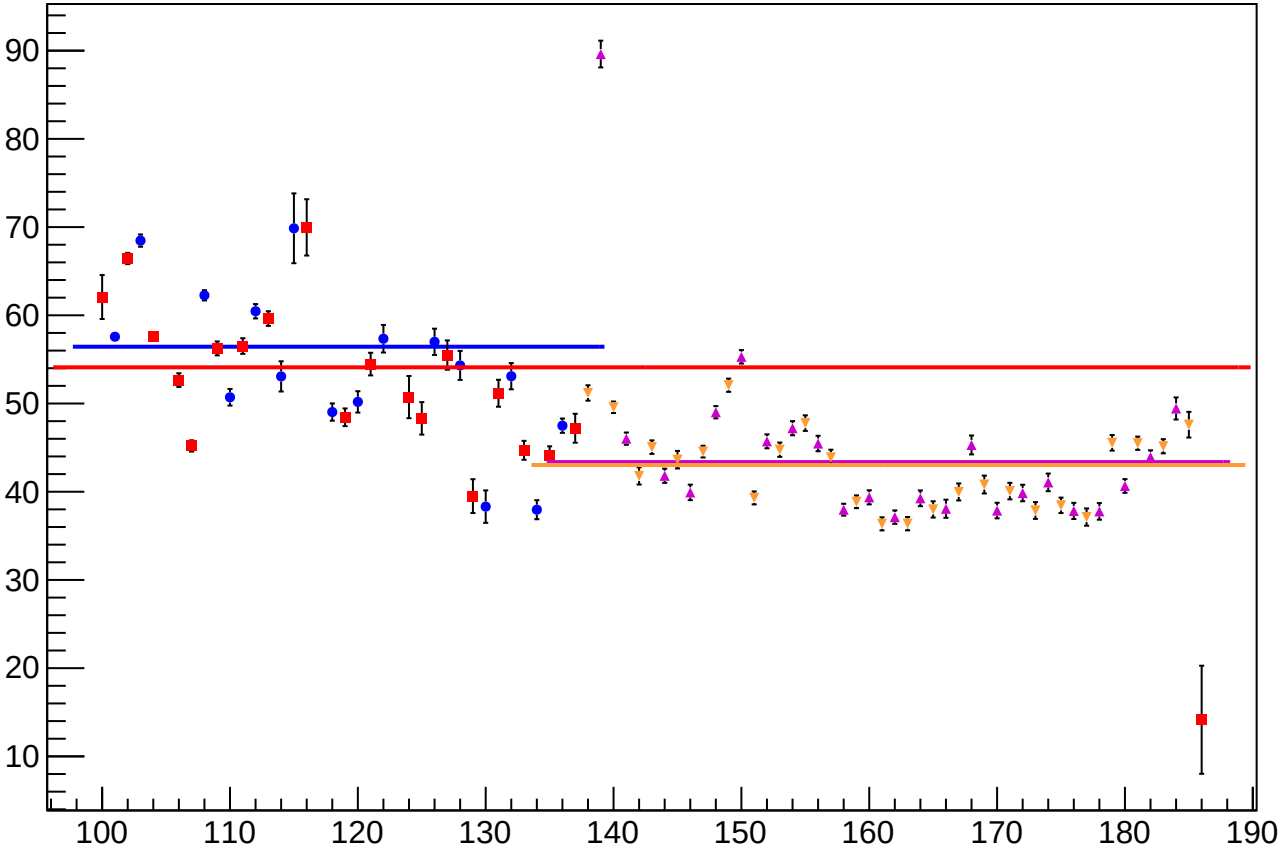
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 18.085+/-0.152 χ^2/NDF: 2032.7/40

All: 18.021+/-0.107 χ^2/NDF: 4087.0/83

- sign 17.958+/-0.151 χ^2/NDF: 2053.9/42

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 54.103+/-0.224 χ^2/NDF: 1049.2/19

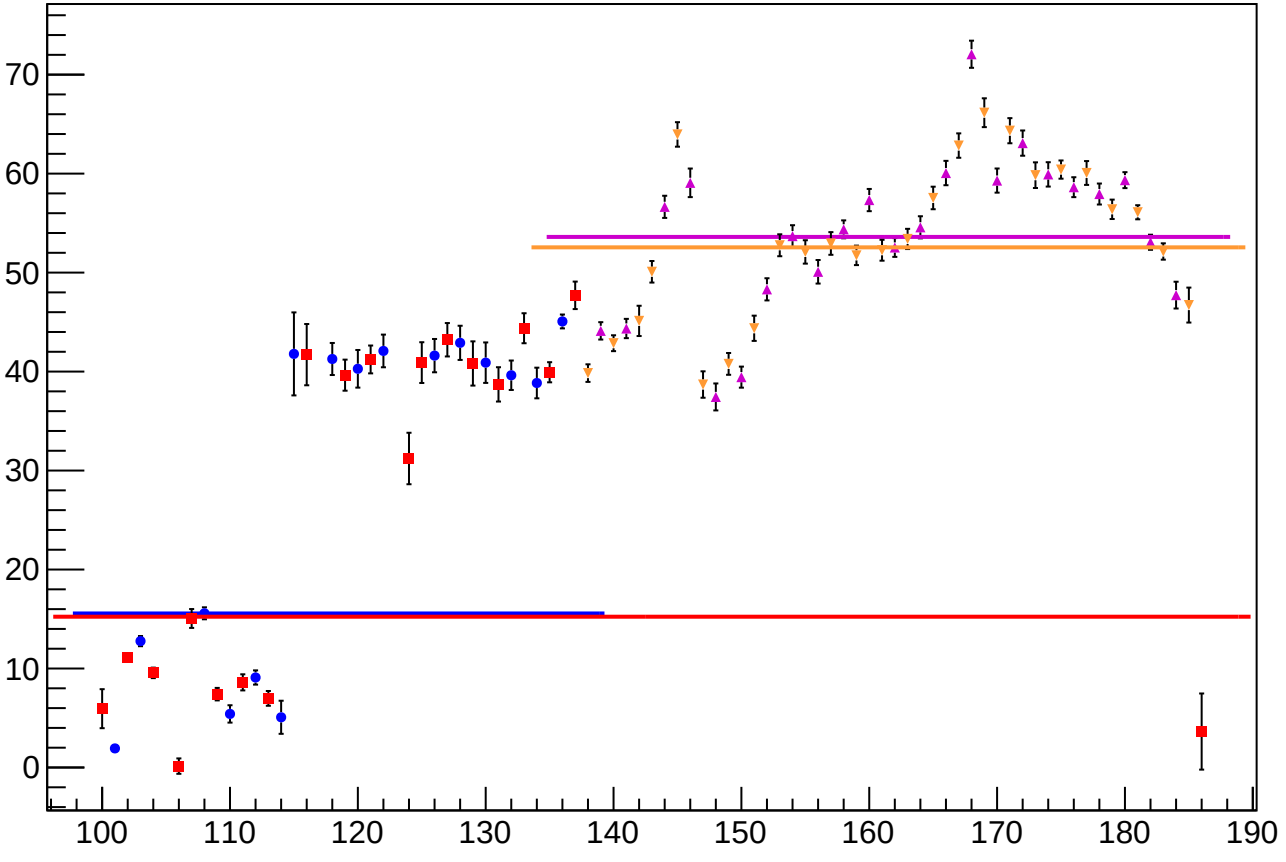
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 47.891+/-0.134 χ^2/NDF: 4198.1/40

All: 47.695+/-0.096 χ^2/NDF: 8347.3/83

- sign 47.483+/-0.139 χ^2/NDF: 4144.7/42

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 15.234+/-0.219 χ^2/NDF: 3882.2/19

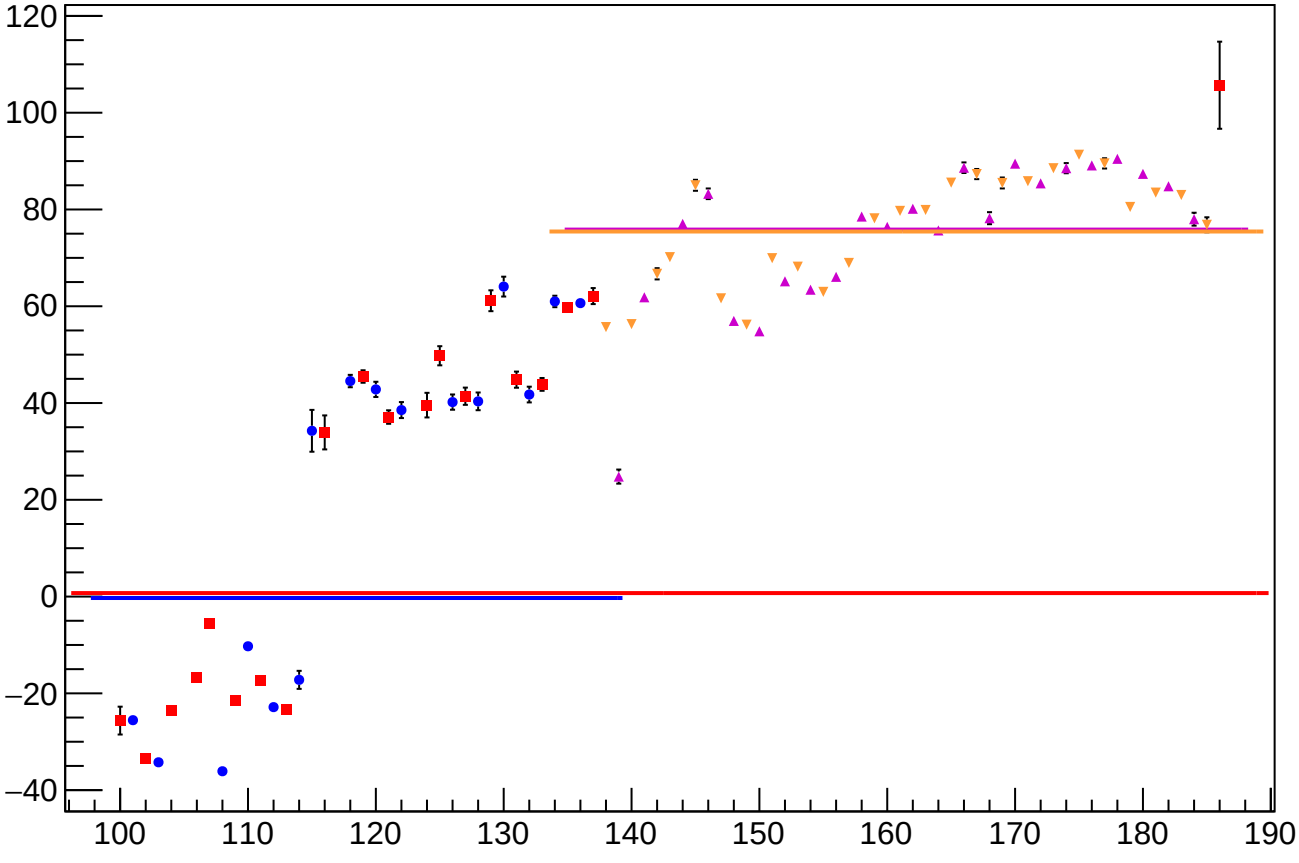
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 34.004+/-0.152 χ^2/NDF: 21260.2/40

All: 34.032+/-0.109 χ^2/NDF: 41251.4/83

- sign 34.062+/-0.156 χ^2/NDF: 19991.2/42

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.723+/-0.263 χ^2/NDF: 16164.2/19

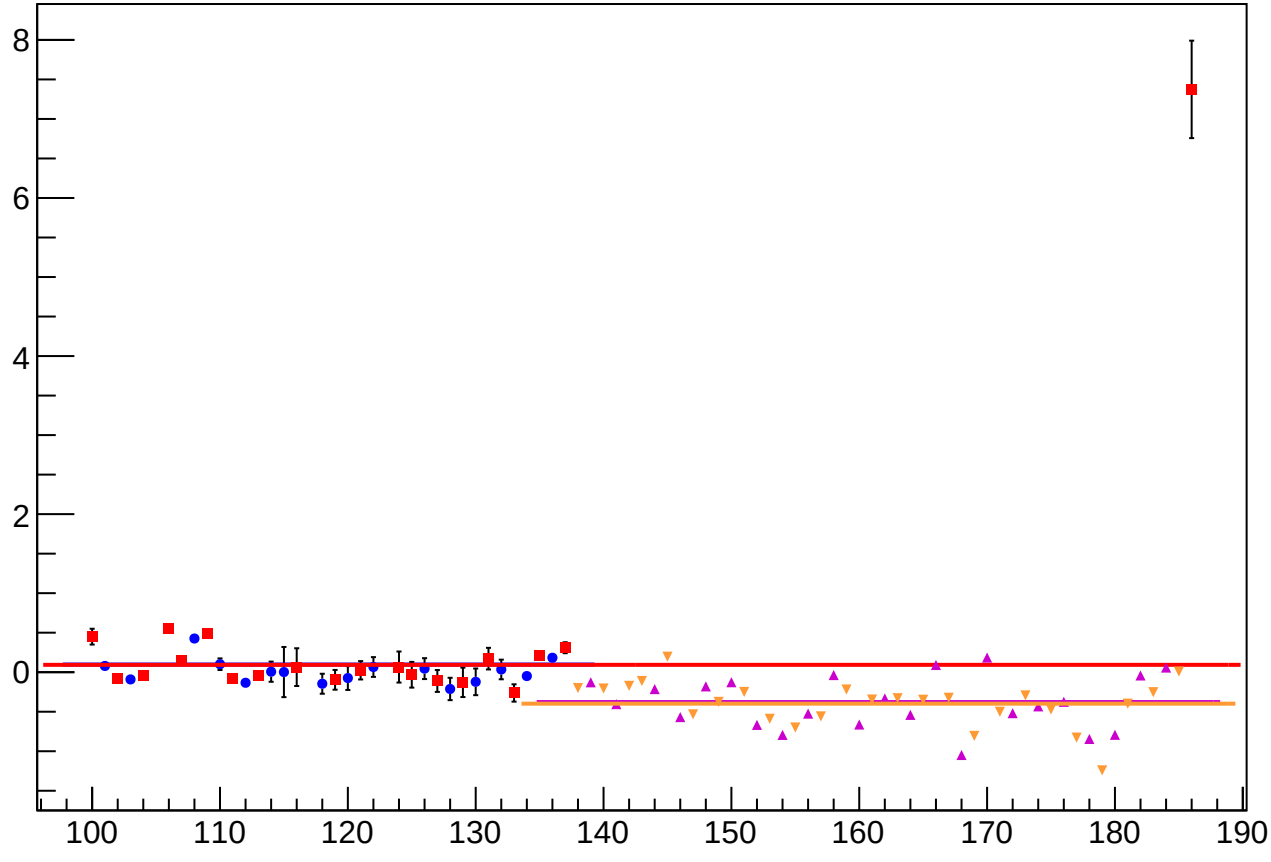
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 49.564+/-0.153 χ^2/NDF: 79770.5/40

All: 49.226+/-0.110 χ^2/NDF: 152297.4/83

- 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: 299.1/15

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.093+/-0.011 χ^2/NDF: 539.0/19

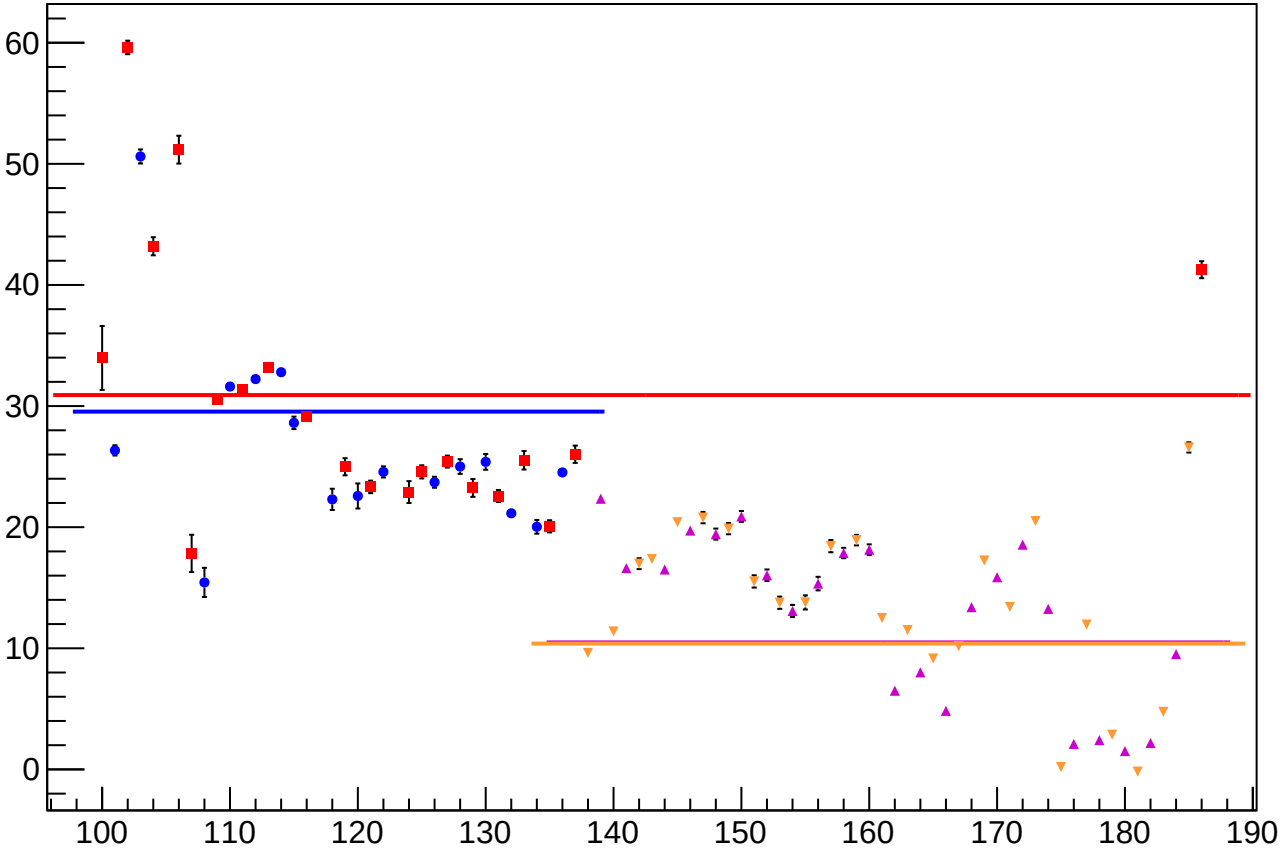
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.220+/-0.007 χ^2/NDF: 2577.9/40

All: -0.214+/-0.005 χ^2/NDF: 5558.2/83

- sign -0.207+/-0.007 χ^2/NDF: 2978.5/42

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.910+/-0.080 χ^2/NDF: 5301.2/19

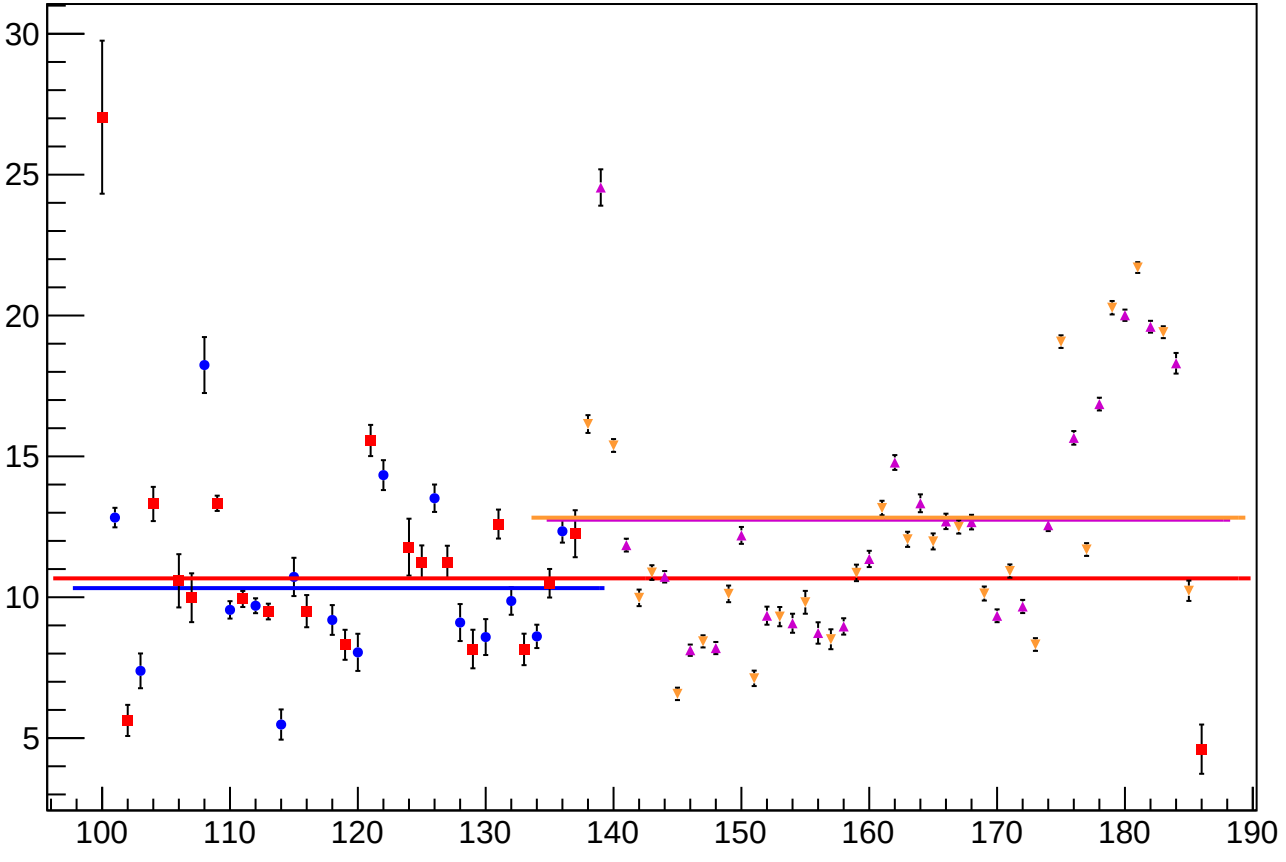
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.656+/-0.053 χ^2/NDF: 46350.2/40

All: 17.820+/-0.037 χ^2/NDF: 102713.8/83

- sign 18.921+/-0.051 χ^2/NDF: 55411.1/42

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.670+/-0.112 χ^2/NDF: 464.7/19

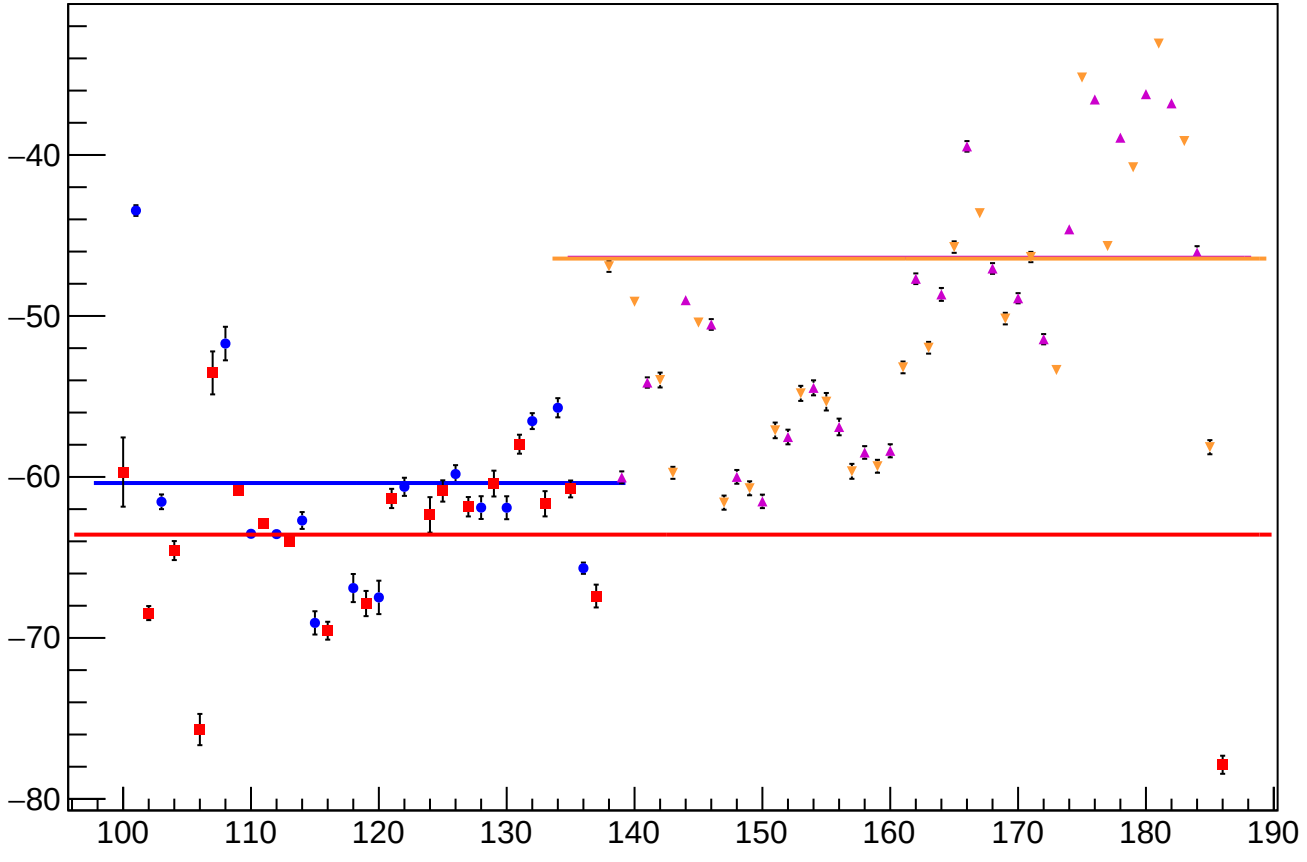
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.407+/-0.047 χ^2/NDF: 8820.2/40

All: 12.390+/-0.033 χ^2/NDF: 15070.4/83

- sign 12.372+/-0.048 χ^2/NDF: 6250.0/42

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.583+/-0.105 χ^2/NDF: 1516.0/19

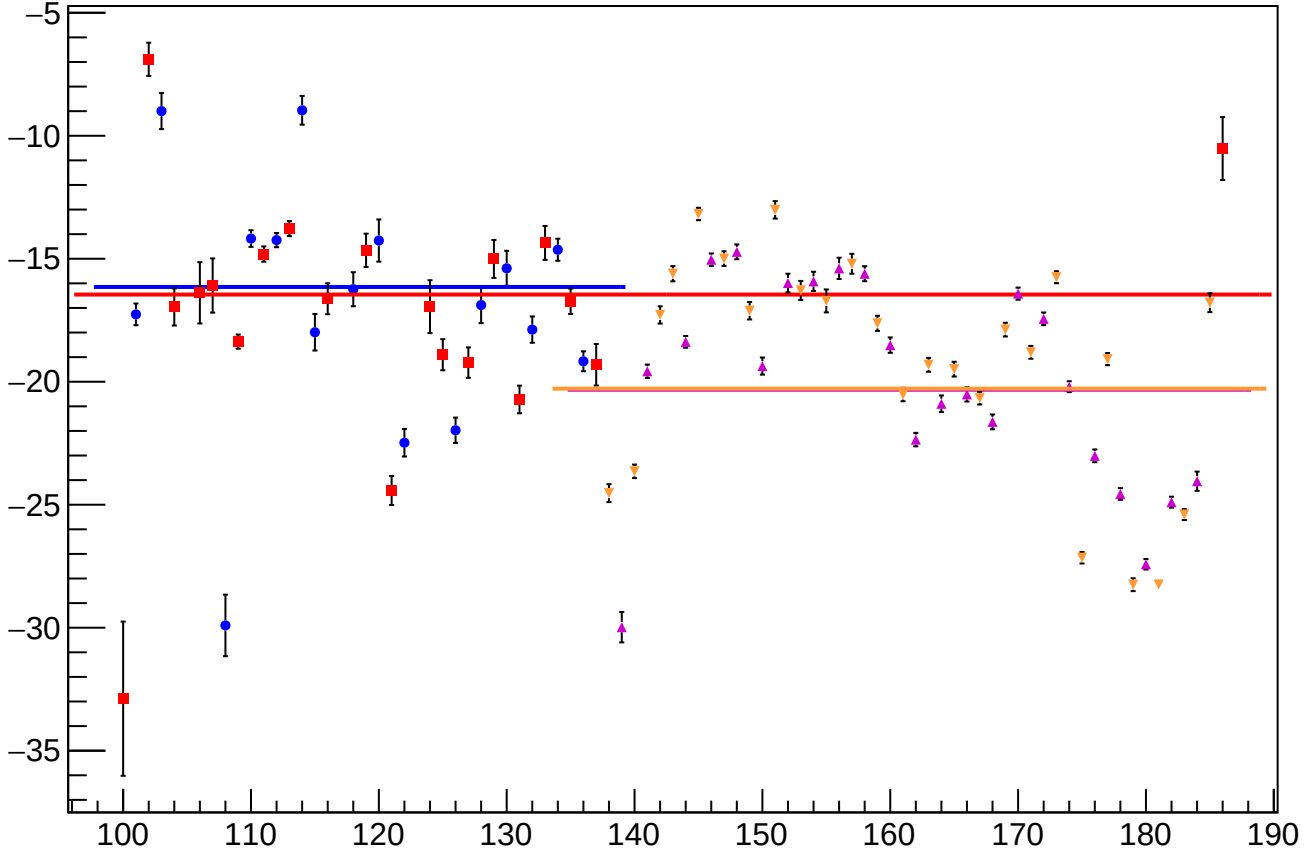
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -49.855+/-0.056 χ^2/NDF: 33256.0/40

All: -50.579+/-0.040 χ^2/NDF: 69203.0/83

- sign -51.315+/-0.056 χ^2/NDF: 35609.3/42

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.456+/-0.124 χ^2/NDF: 706.4/19

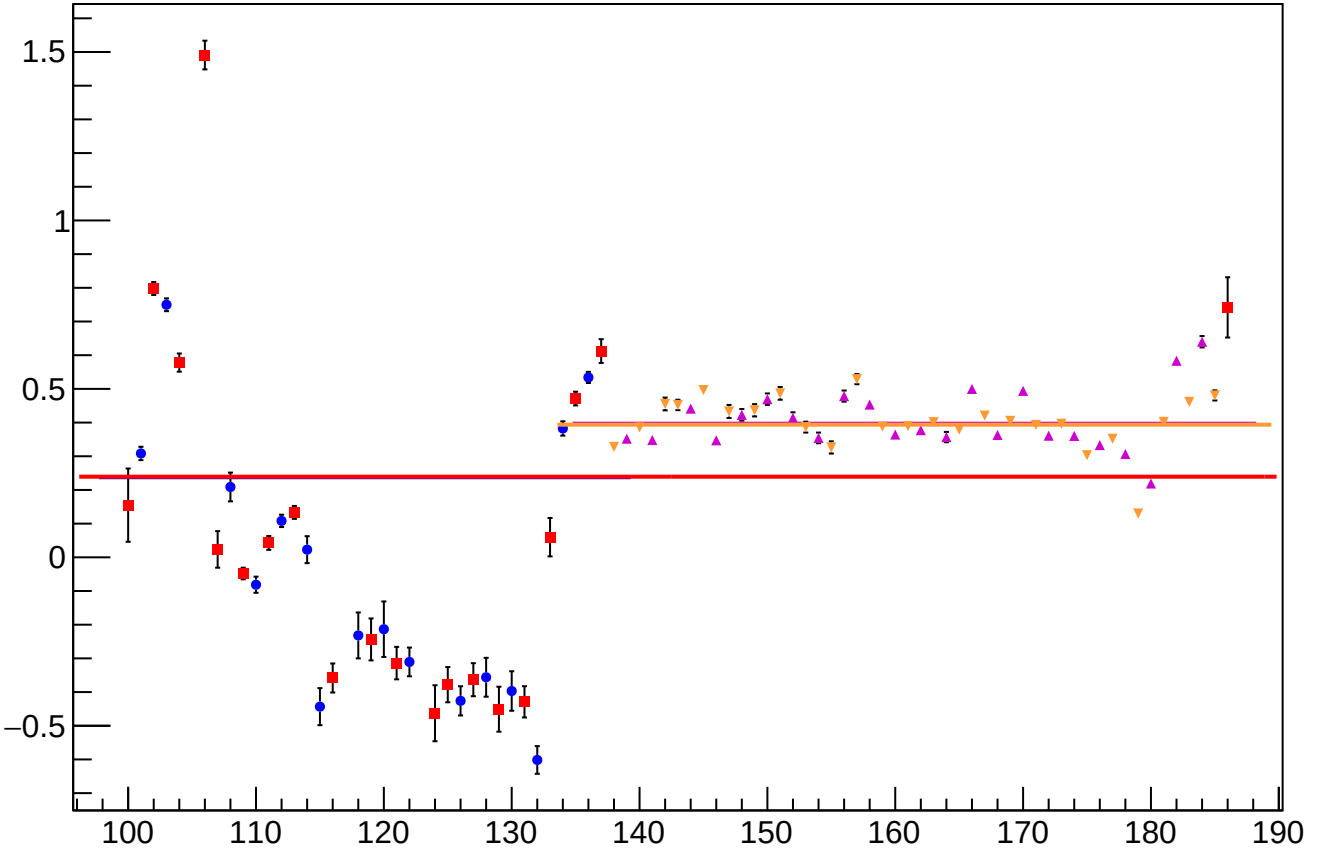
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.588+/-0.052 χ^2/NDF: 8696.3/40

All: -19.598+/-0.037 χ^2/NDF: 14468.1/83

- 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: 2632.9/15

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.239+/-0.007 χ^2/NDF: 3626.8/19

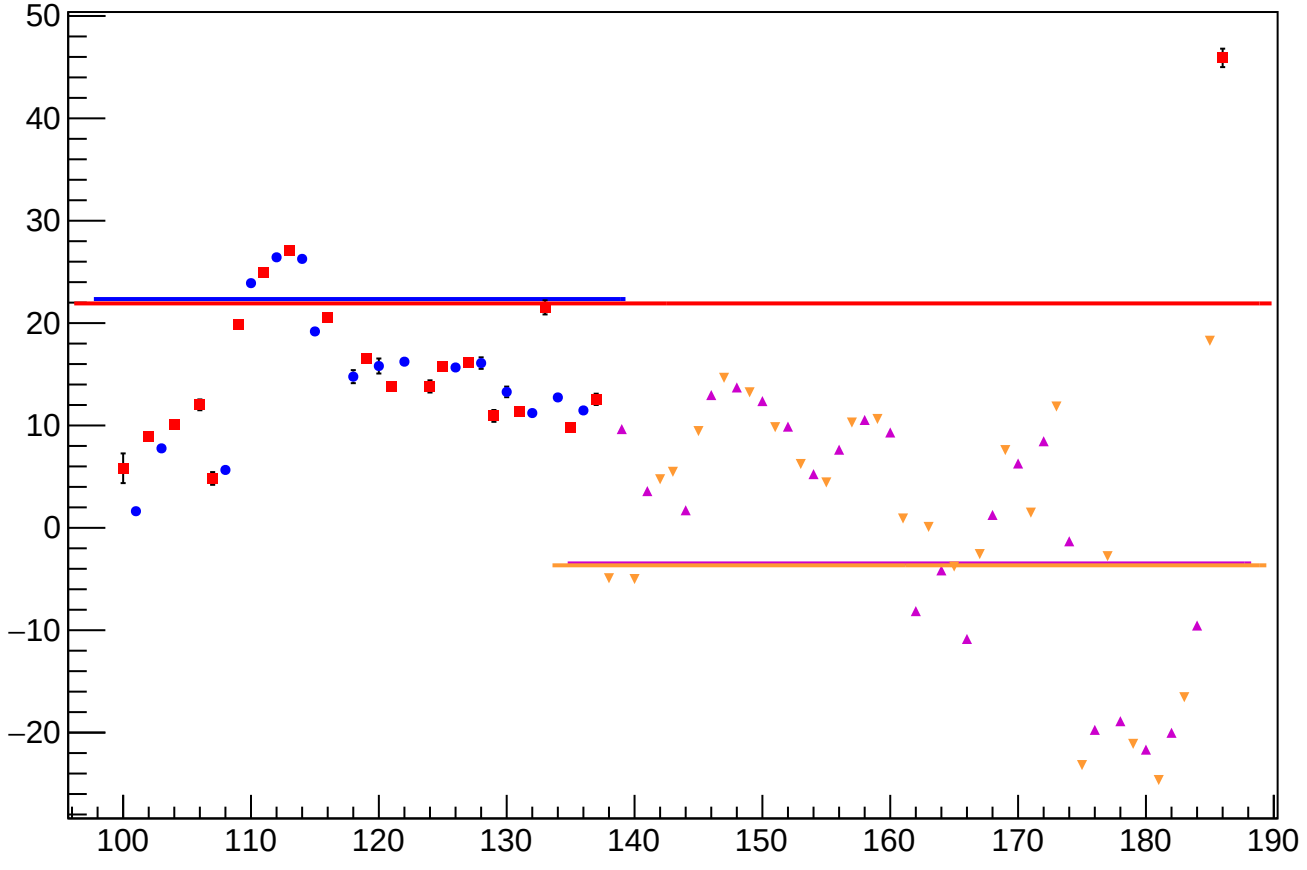
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

\+ sign 0.376+/-0.002 χ^2/NDF: 4011.0/40

All: 0.377+/-0.002 χ^2/NDF: 9369.0/83

\- sign 0.378+/-0.002 χ^2/NDF: 5357.7/42

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.923+/-0.046 χ^2/NDF: 11403.4/19

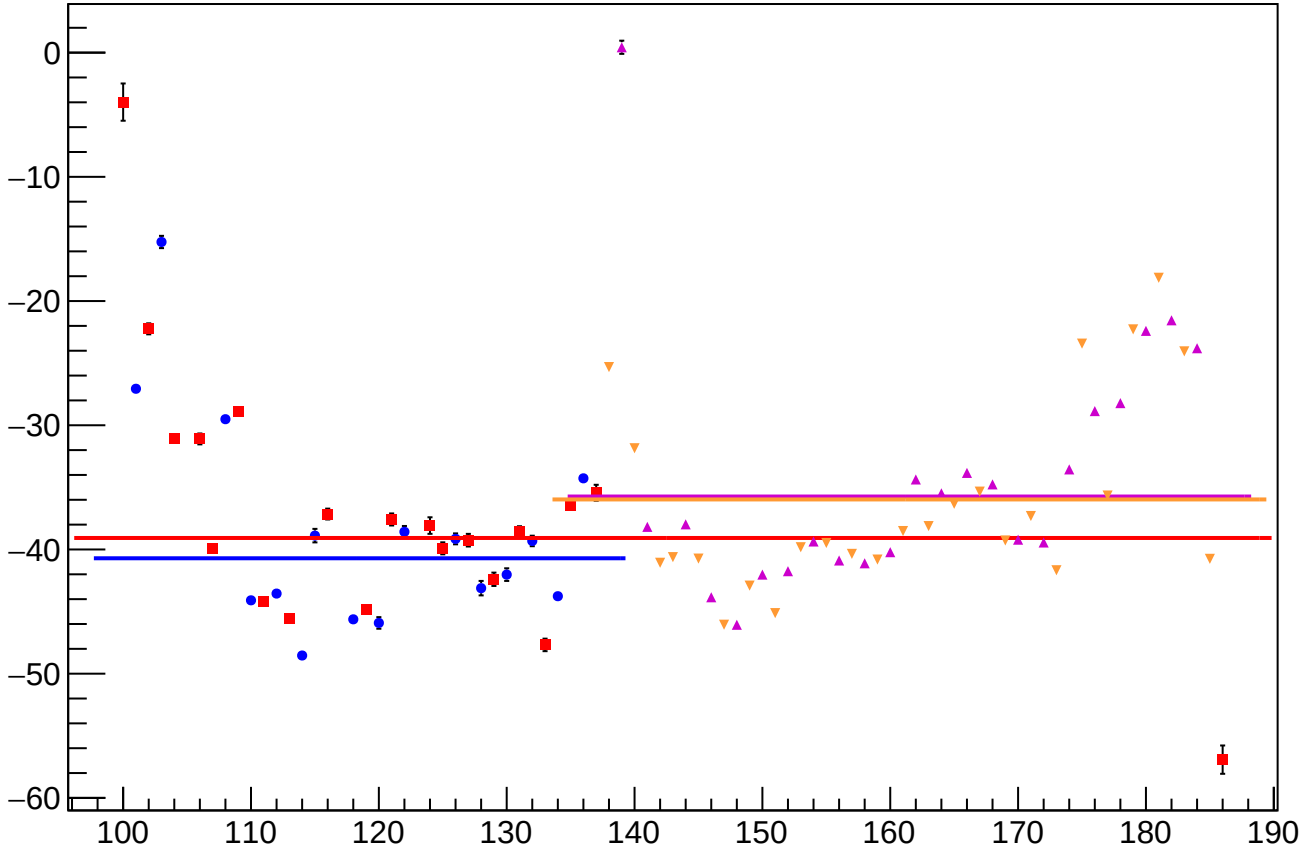
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.873+/-0.039 χ^2/NDF: 178677.0/40

All: 10.535+/-0.027 χ^2/NDF: 357207.3/83

- sign 11.934+/-0.036 χ^2/NDF: 175228.6/42

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -39.074+/-0.071 χ^2/NDF: 10347.4/19

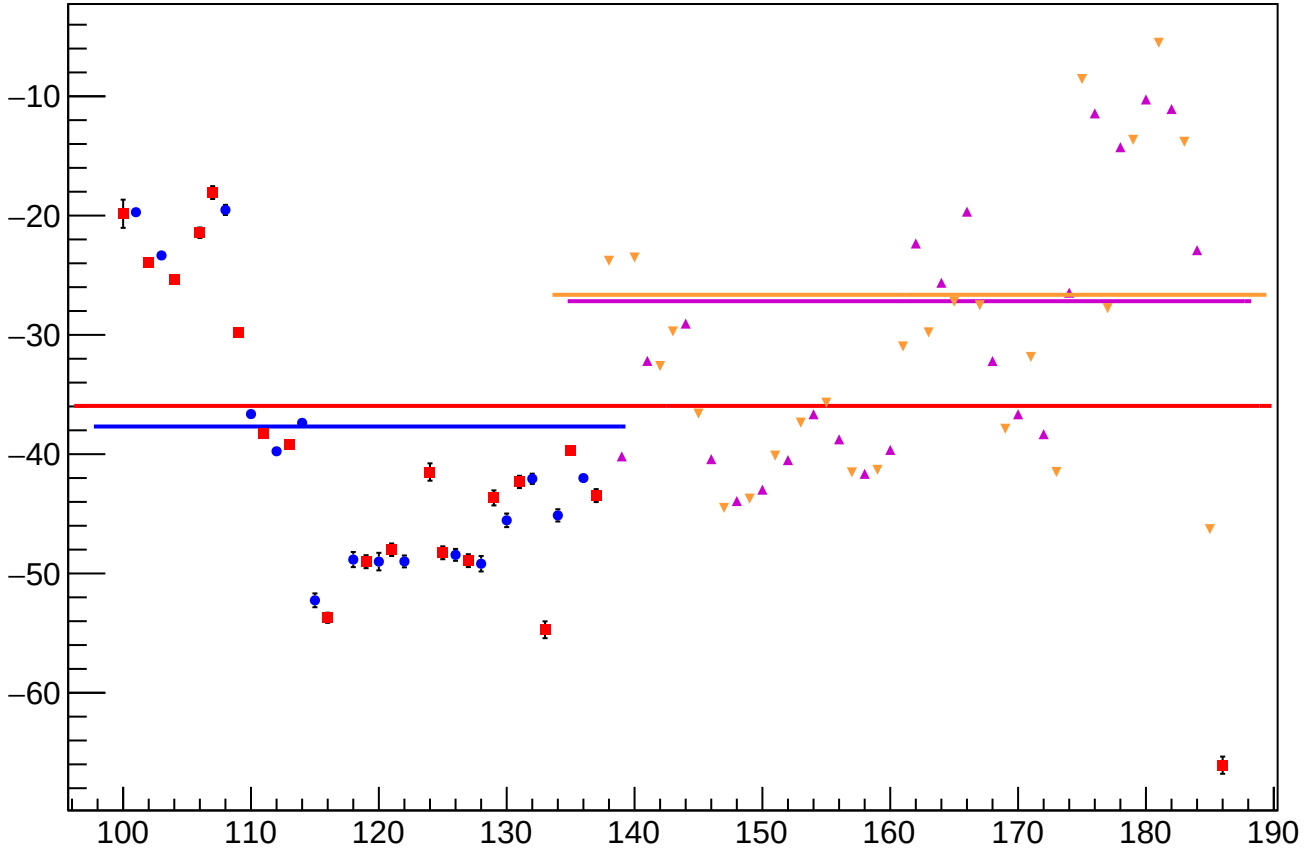
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -37.087+/-0.037 χ^2/NDF: 44321.4/40

All: -36.895+/-0.027 χ^2/NDF: 83459.1/83

- sign -36.693+/-0.038 χ^2/NDF: 39082.7/42

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.953+/-0.064 χ^2/NDF: 15034.8/19

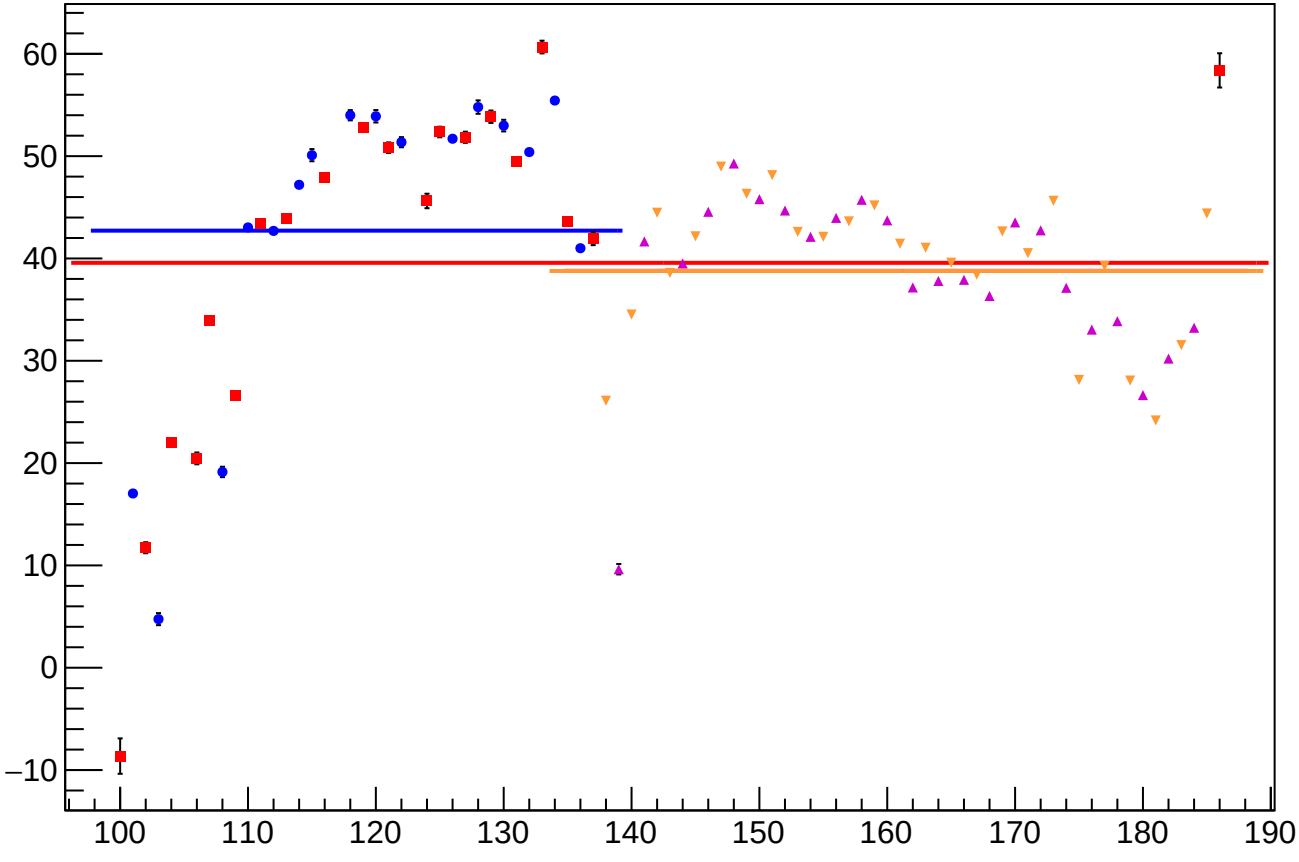
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.547+/-0.044 χ^2/NDF: 75389.3/40

All: -30.816+/-0.031 χ^2/NDF: 141927.7/83

- sign -31.071+/-0.043 χ^2/NDF: 66465.1/42

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 39.574+/-0.078 χ^2/NDF: 18104.7/19

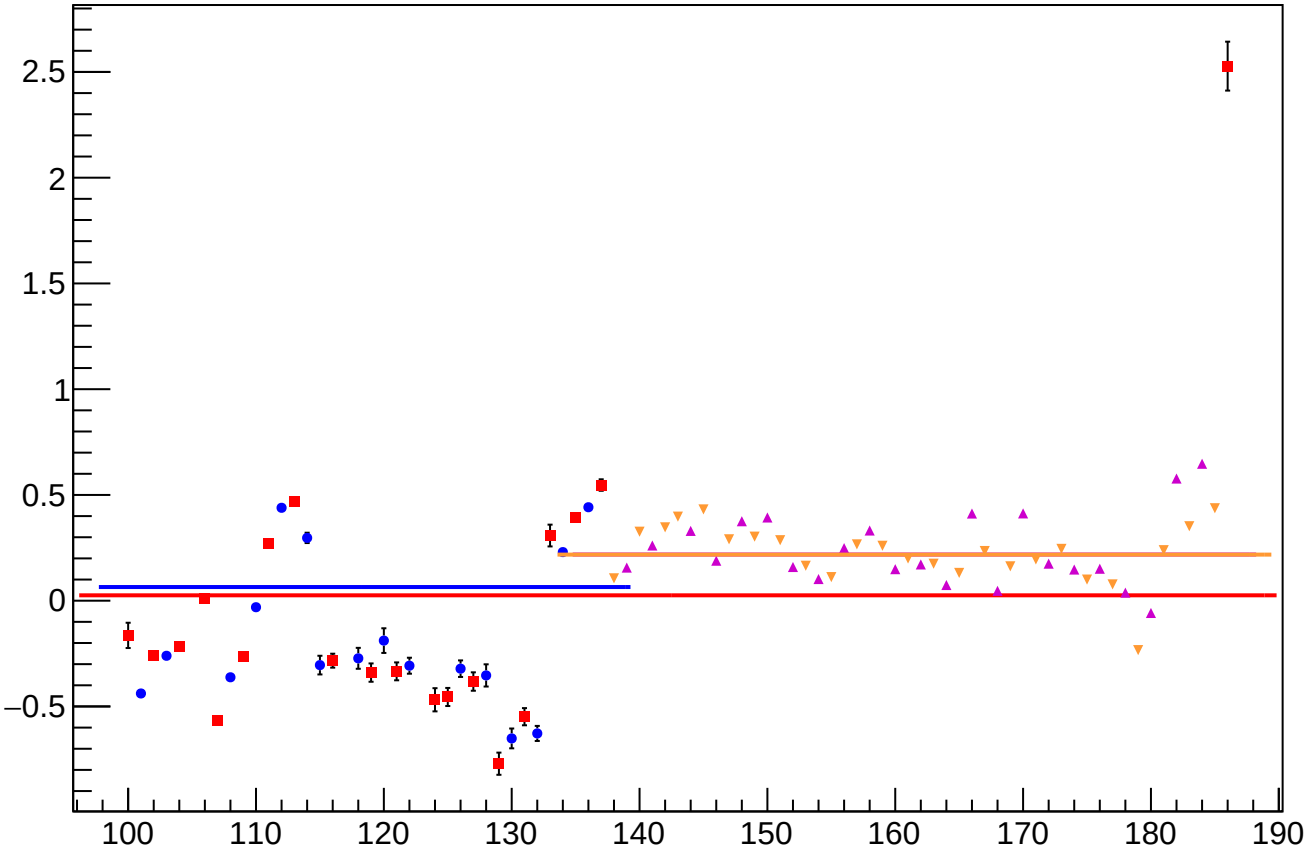
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.721+/-0.042 χ^2/NDF: 37468.3/40

All: 39.375+/-0.030 χ^2/NDF: 72024.4/83

- 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: 5497.5/15

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: 0.025+/-0.004 χ^2/NDF: 6874.0/19

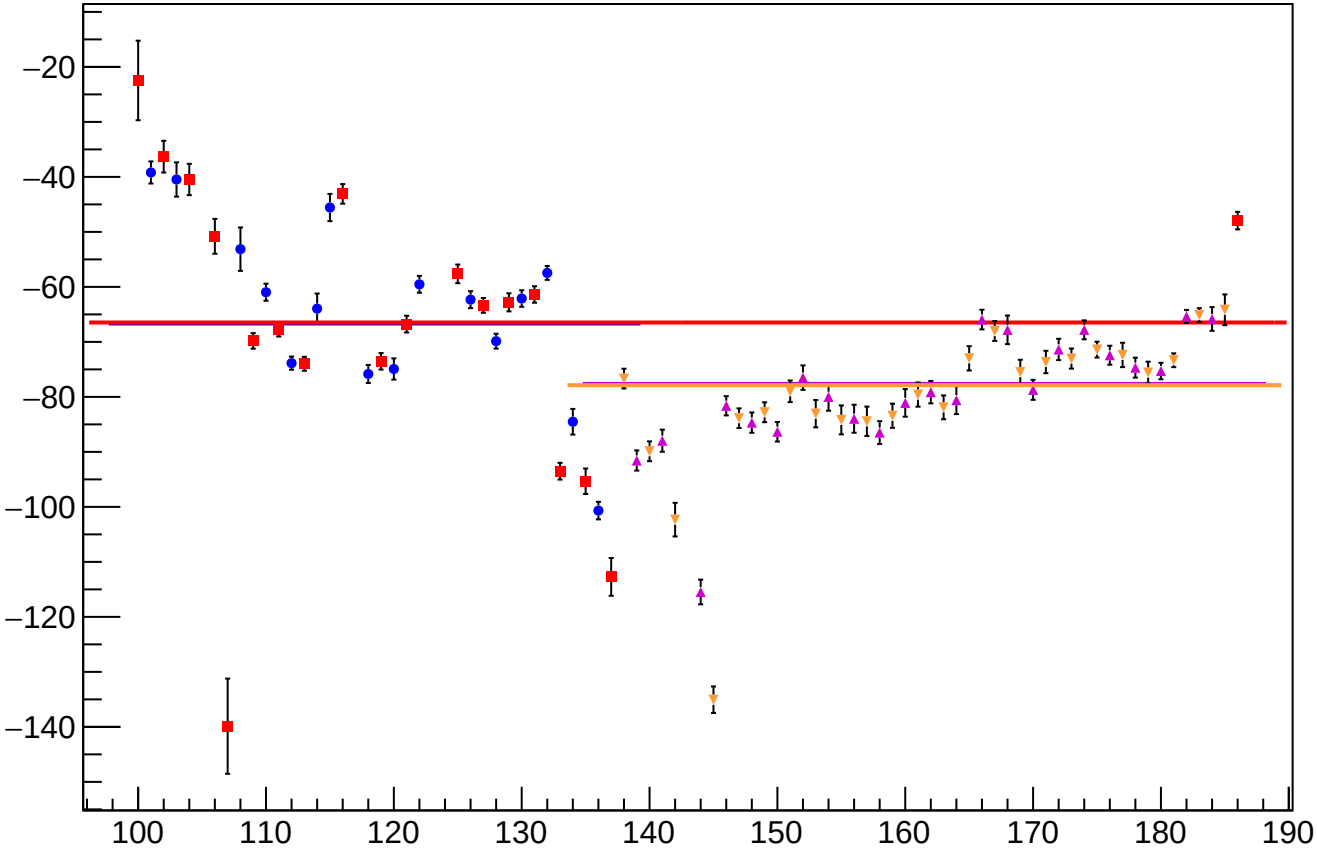
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.193+/-0.002 χ^2/NDF: 10410.0/40

All: 0.186+/-0.001 χ^2/NDF: 24159.0/83

- sign 0.179+/-0.002 χ^2/NDF: 13723.9/42

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -66.472+/-0.406 χ^2/NDF: 1399.7/18

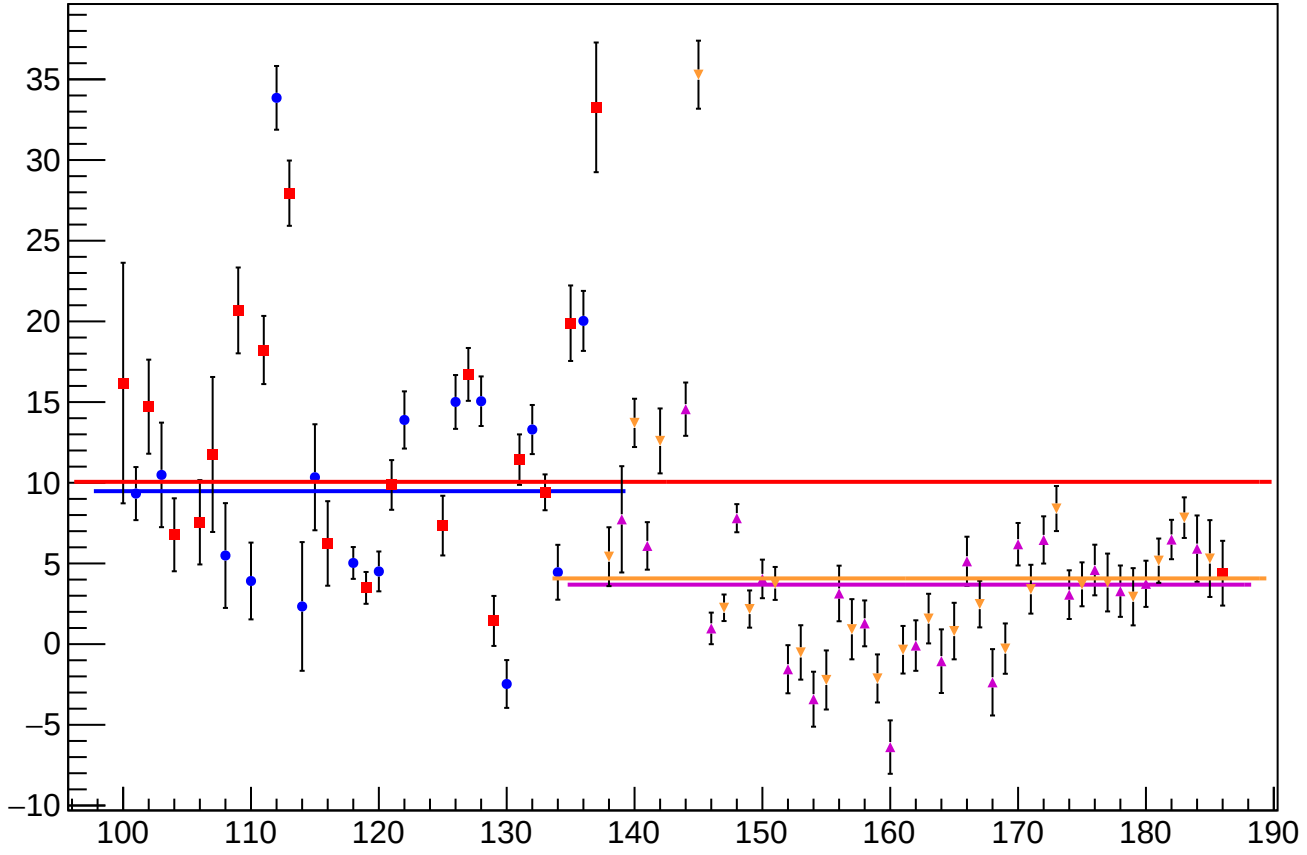
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -72.695+/-0.289 χ^2/NDF: 2358.4/39

All: -72.435+/-0.203 χ^2/NDF: 4840.8/81

- sign -72.186+/-0.284 χ^2/NDF: 2480.8/41

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 10.057+/-0.426 χ^2/NDF: 271.7/18

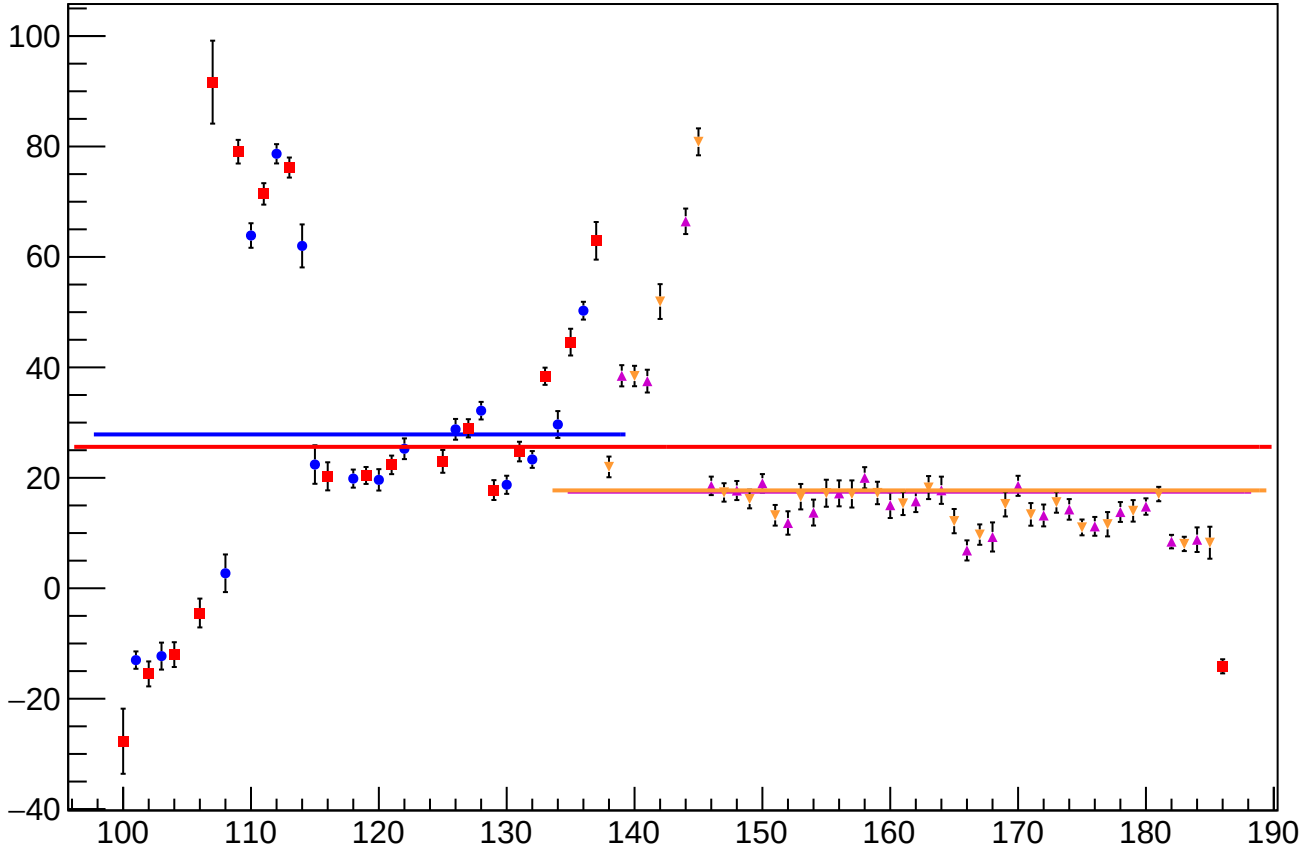
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 5.827+/-0.244 χ^2/NDF: 820.2/39

All: 5.822+/-0.173 χ^2/NDF: 1423.7/81

- sign 5.816+/-0.246 χ^2/NDF: 603.5/41

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 25.610+/-0.456 χ^2/NDF: 4119.1/18

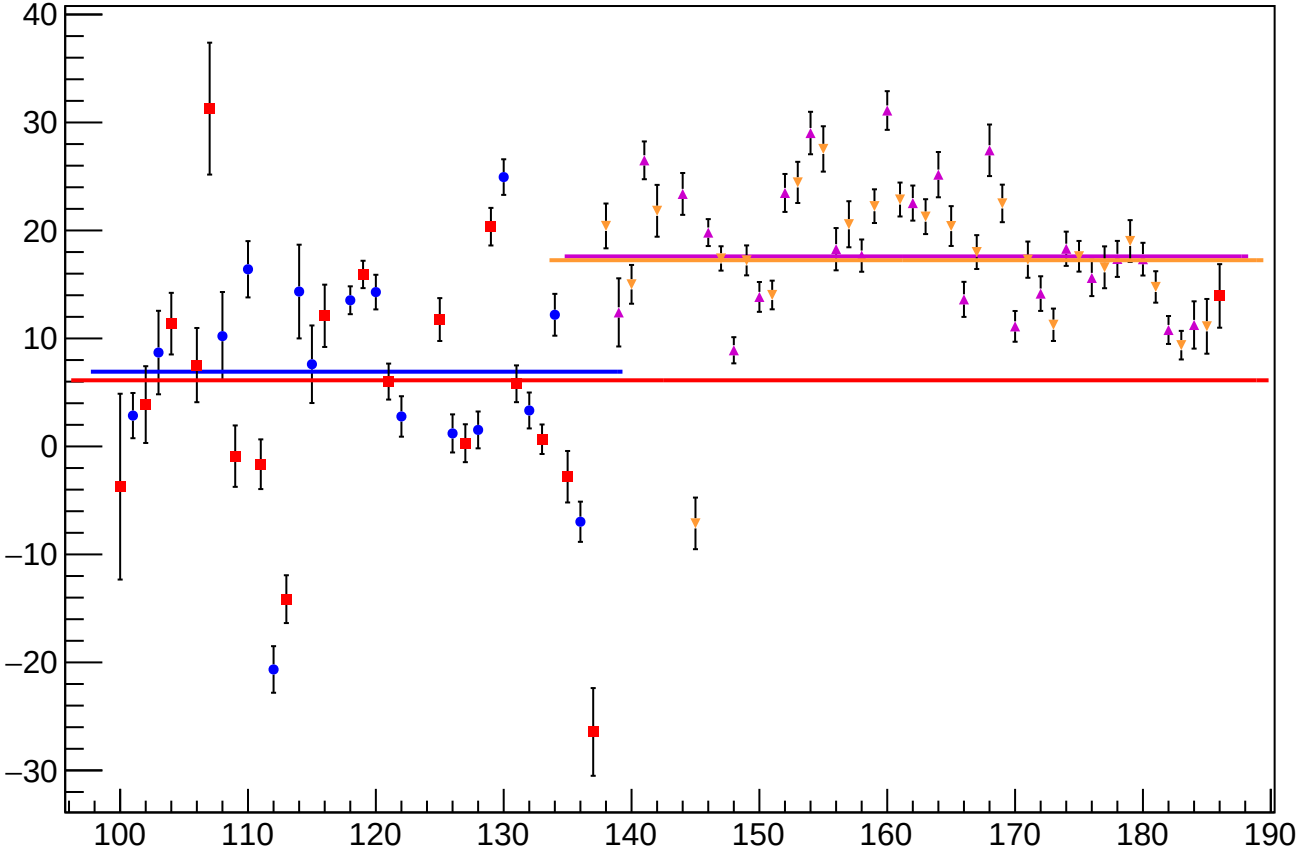
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 21.743+/-0.304 χ^2/NDF: 3798.7/39

All: 21.340+/-0.213 χ^2/NDF: 8924.1/81

- sign 20.953+/-0.297 χ^2/NDF: 5122.0/41

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 6.124+/-0.495 χ^2/NDF: 374.9/18

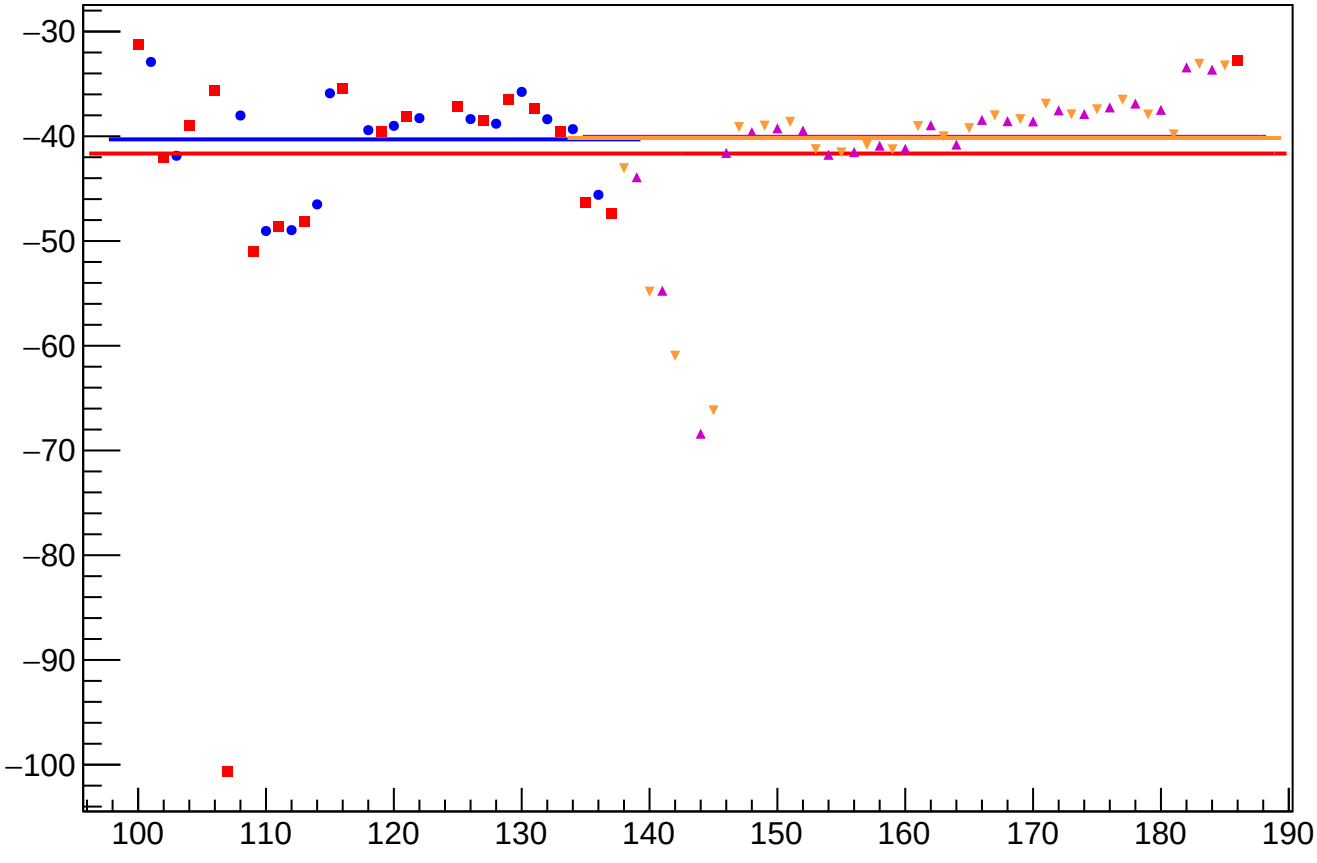
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.966+/-0.279 χ^2/NDF: 1001.3/39

All: 13.924+/-0.198 χ^2/NDF: 2049.8/81

- sign 13.882+/-0.281 χ^2/NDF: 1048.5/41

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -41.648+/-0.032 χ^2/NDF: 60668.5/18

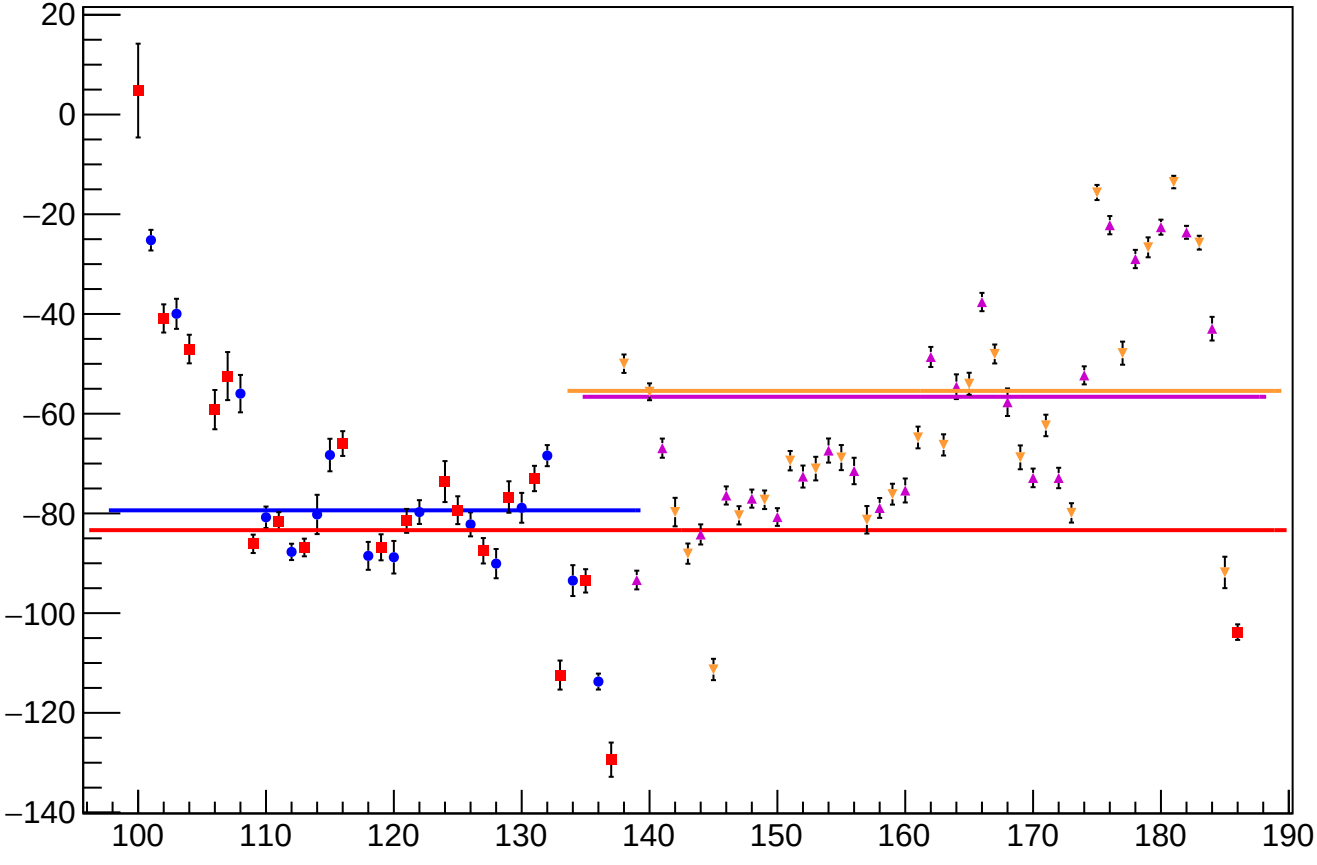
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.190+/-0.014 χ^2/NDF: 184012.9/39

All: -40.272+/-0.010 χ^2/NDF: 383245.9/81

- sign -40.354+/-0.014 χ^2/NDF: 199162.4/41

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -83.356+/-0.563 χ^2/NDF: 1112.0/19

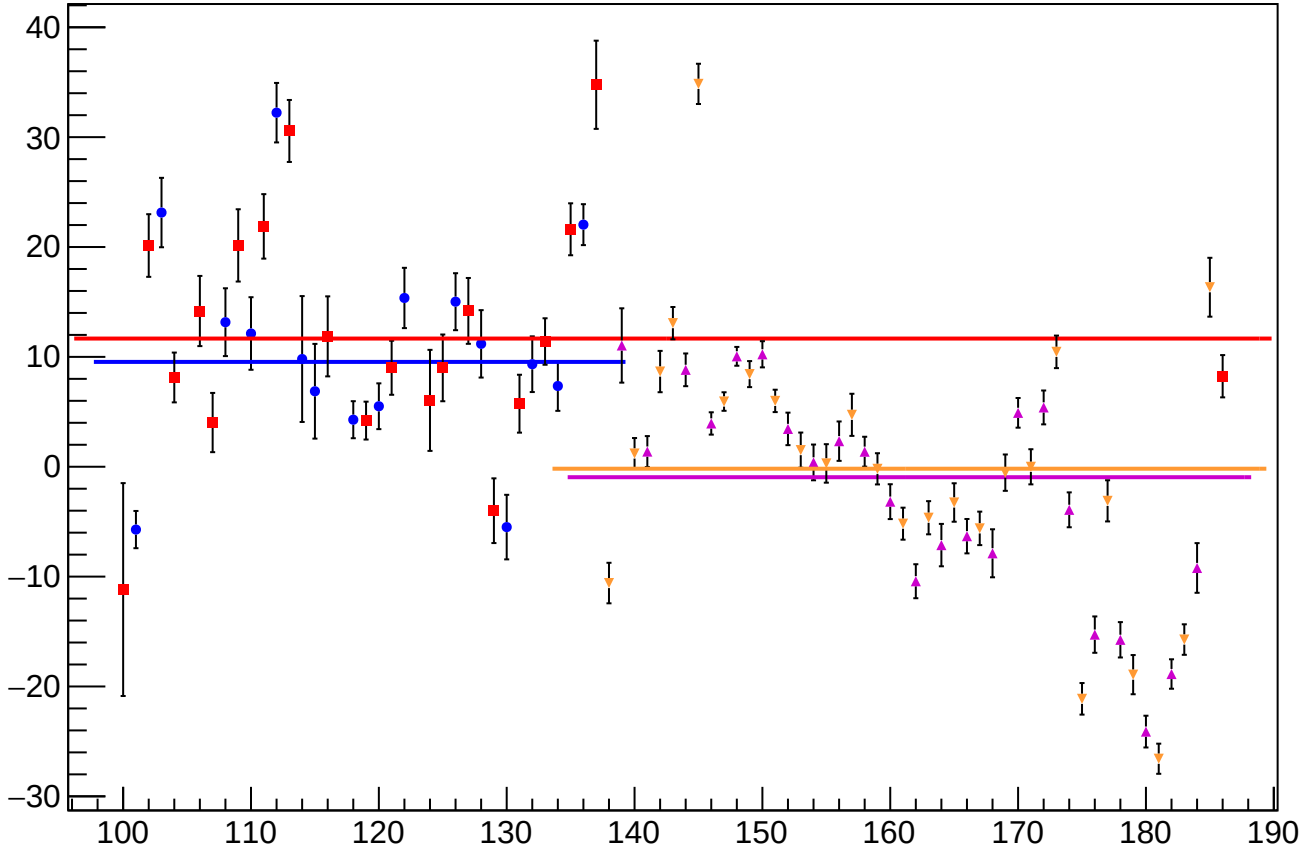
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -62.441+/-0.331 χ^2/NDF: 7088.1/40

All: -64.076+/-0.233 χ^2/NDF: 13088.2/83

- sign -65.686+/-0.328 χ^2/NDF: 5951.6/42

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 11.668+/-0.605 χ^2/NDF: 199.4/19

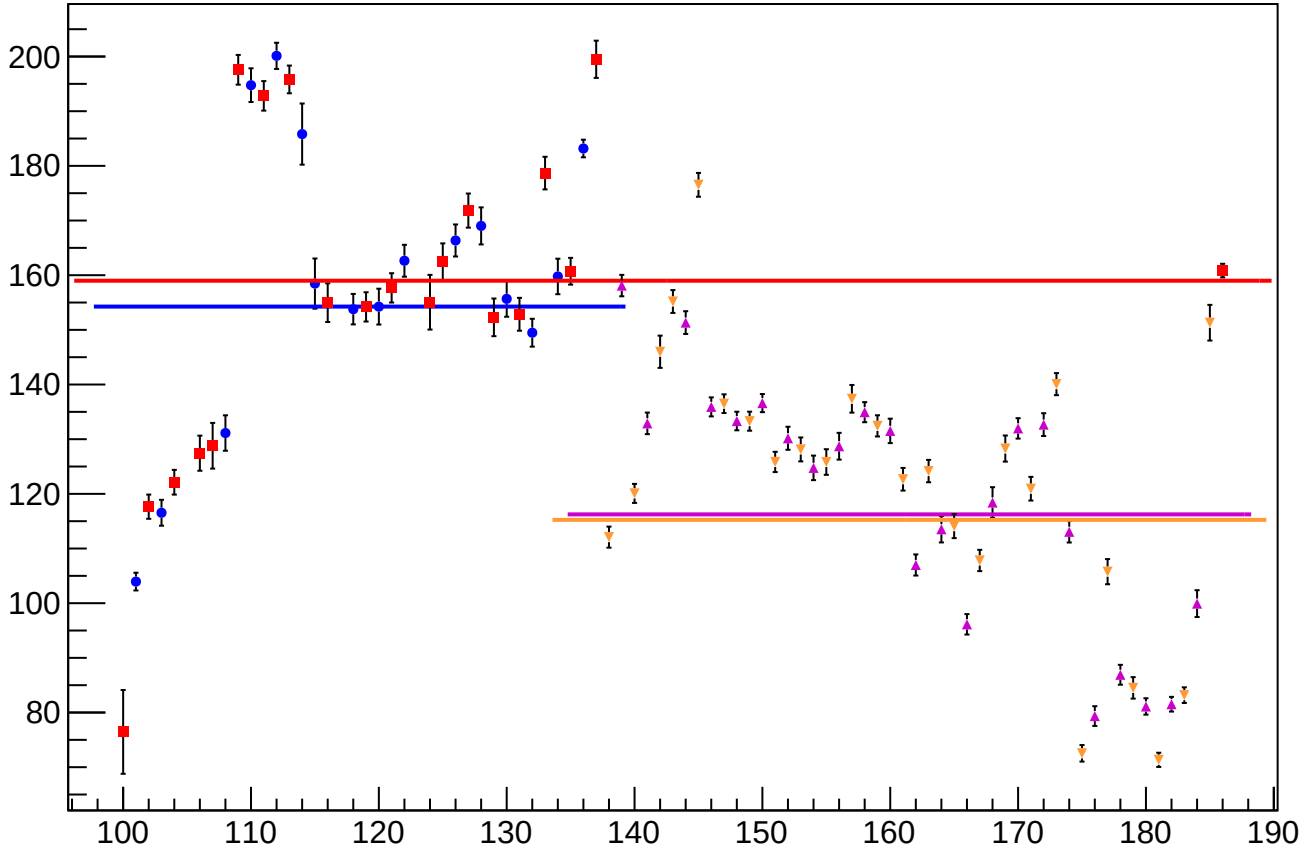
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 1.601+/-0.266 χ^2/NDF: 2065.7/40

All: 1.598+/-0.190 χ^2/NDF: 3682.4/83

- sign 1.595+/-0.272 χ^2/NDF: 1616.7/42

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 158.990+/-0.599 χ^2/NDF: 1667.1/19

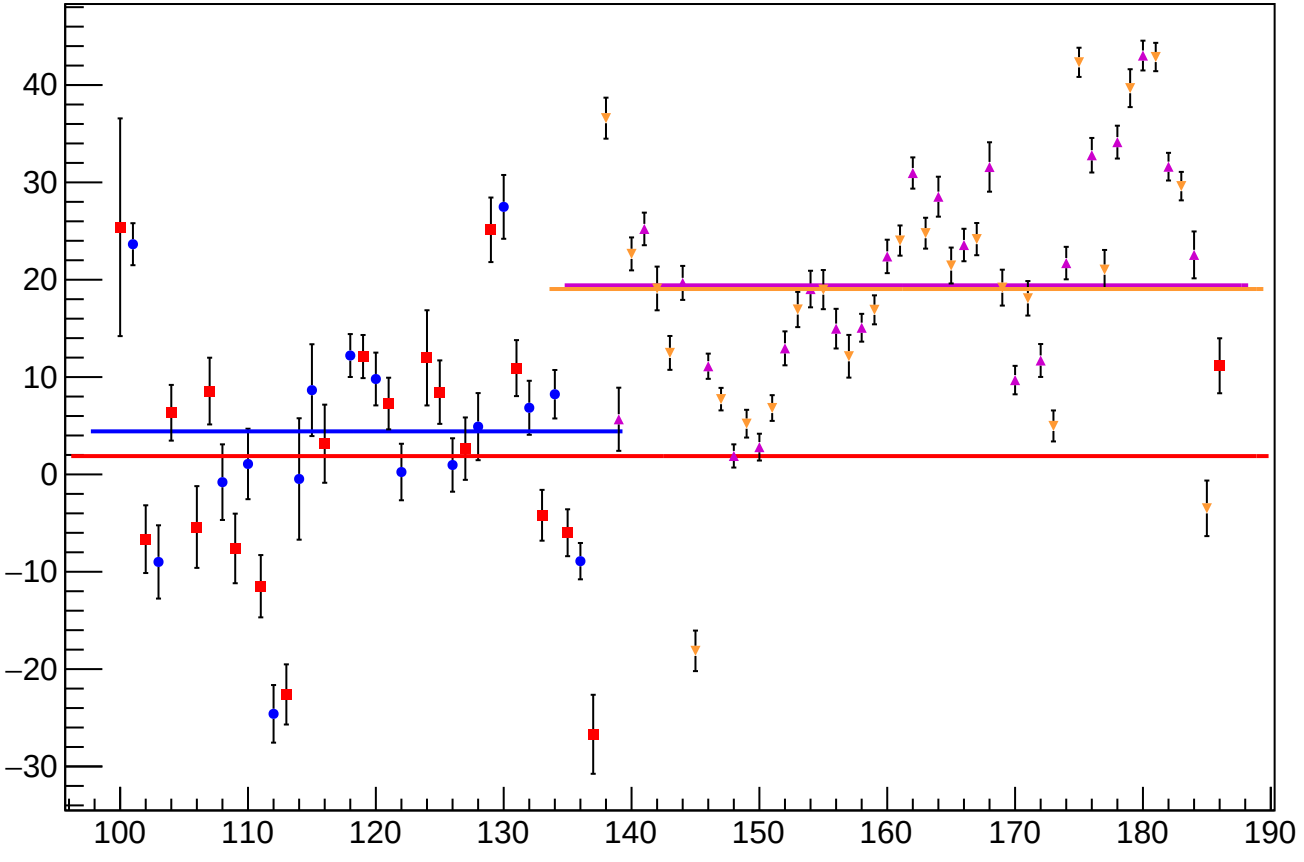
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 125.315+/-0.336 χ^2/NDF: 9629.3/40

All: 127.380+/-0.236 χ^2/NDF: 18535.9/83

- sign 129.396+/-0.332 χ^2/NDF: 8832.0/42

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

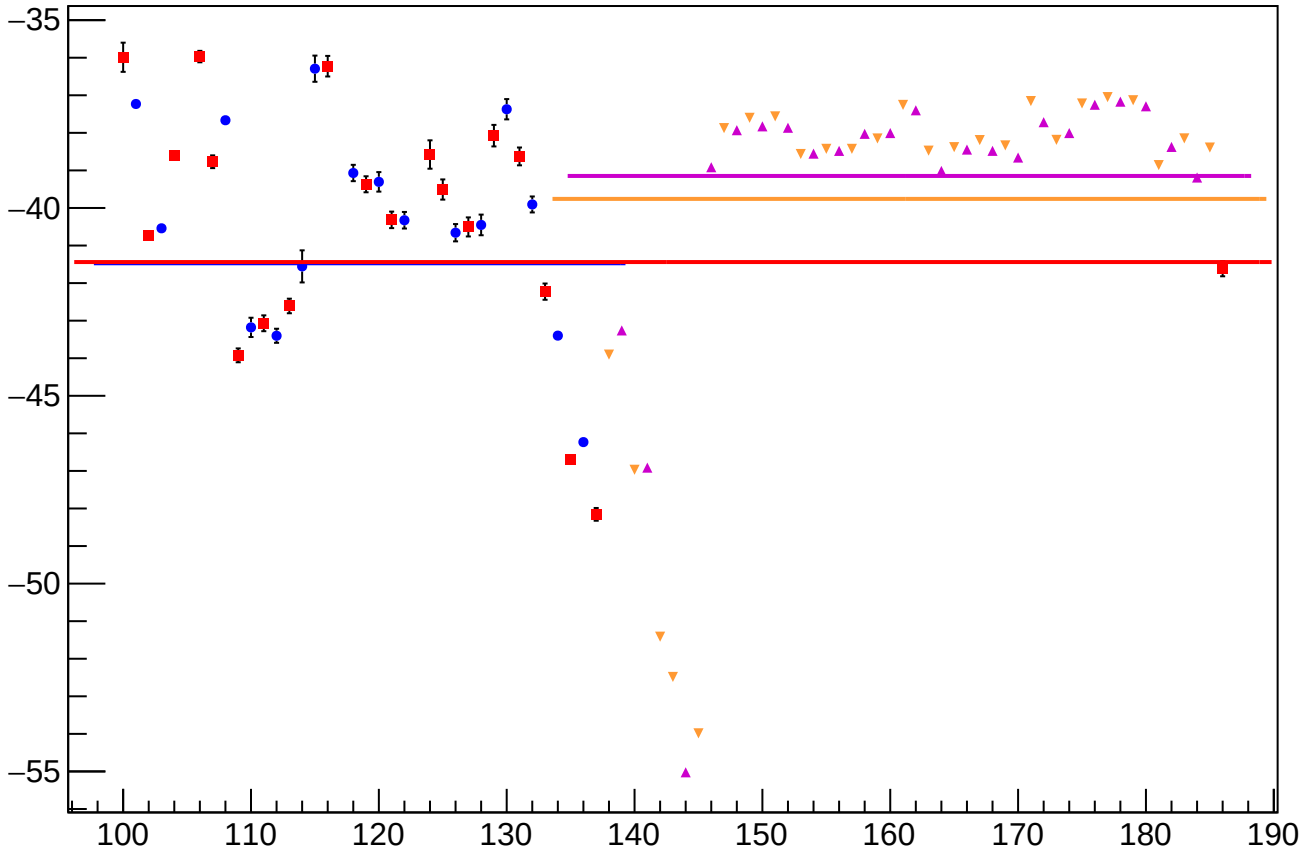
Right Out: 1.883+/-0.708 χ^2/NDF: 276.4/19

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 16.393+/-0.304 χ^2/NDF: 2205.2/40

All: 16.225+/-0.217 χ^2/NDF: 4054.8/83

- sign 16.050+/-0.311 χ^2/NDF: 1849.0/42



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.440+/-0.039 χ^2/NDF: 8226.2/19

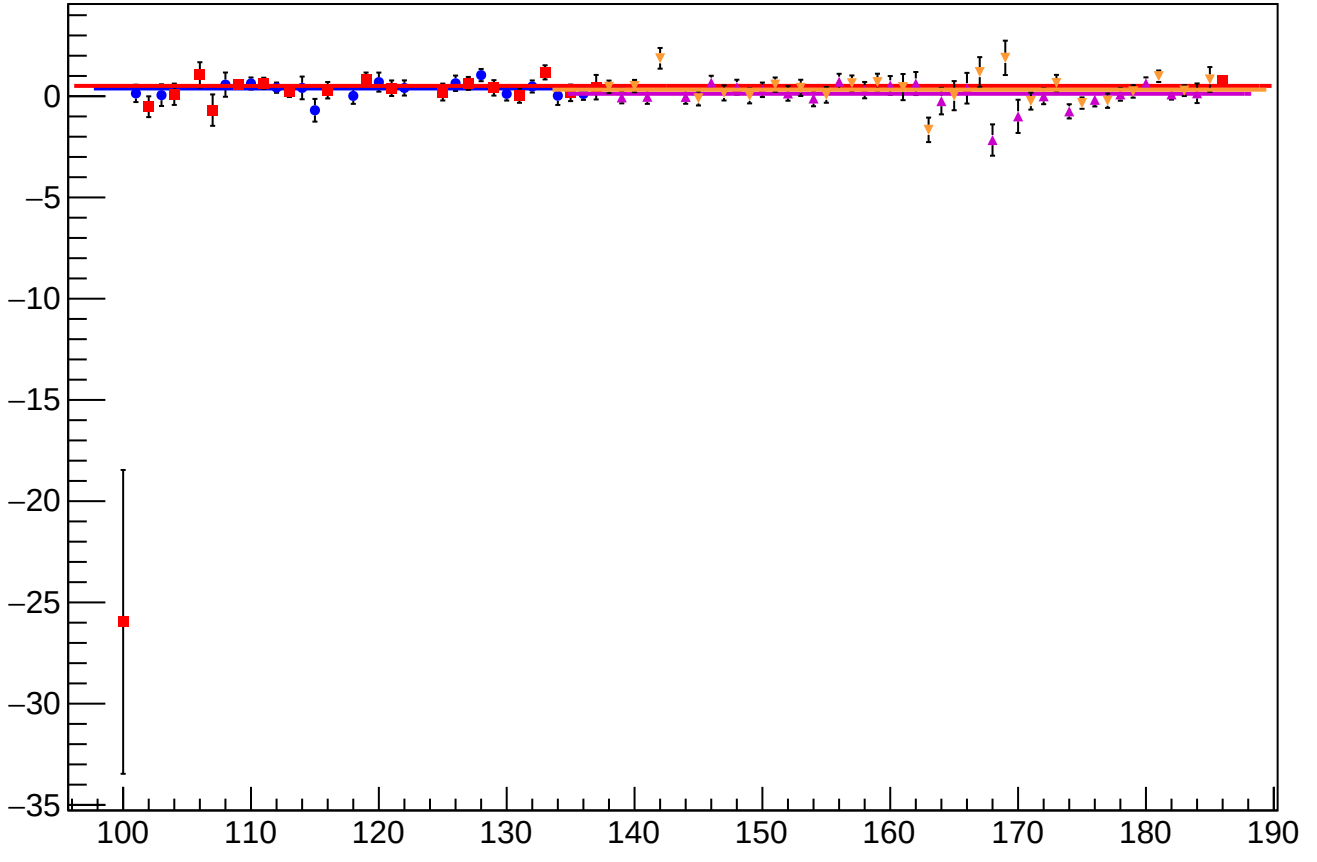
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.000+/-0.014 χ^2/NDF: 91514.0/40

All: -39.737+/-0.010 χ^2/NDF: 150339.4/83

- sign -39.467+/-0.014 χ^2/NDF: 58140.3/42

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.509+/-0.080 χ^2/NDF: 32.0/18

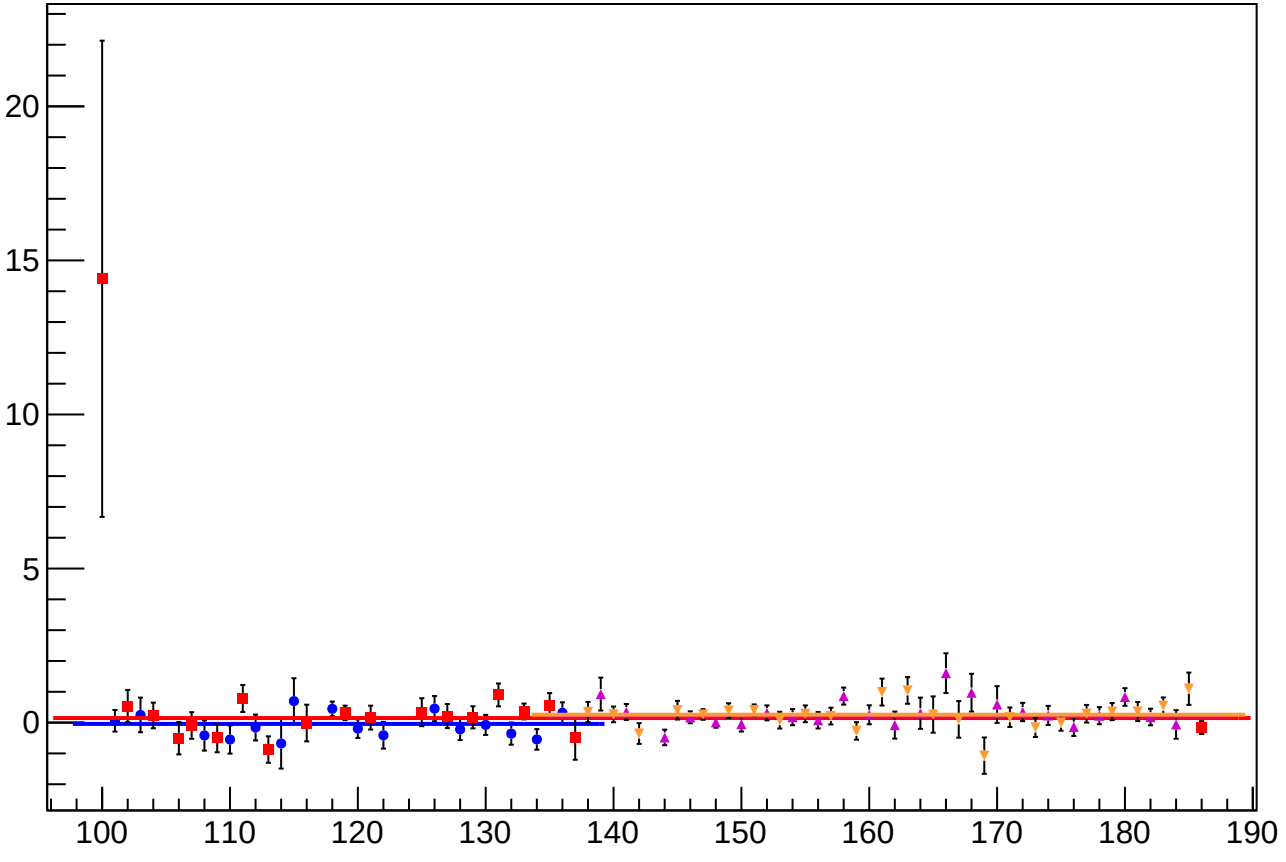
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.347+/-0.060 χ^2/NDF: 61.1/39

All: 0.330+/-0.041 χ^2/NDF: 135.2/81

- sign 0.314+/-0.056 χ^2/NDF: 73.9/41

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.148+/-0.086 χ^2/NDF: 25.1/18

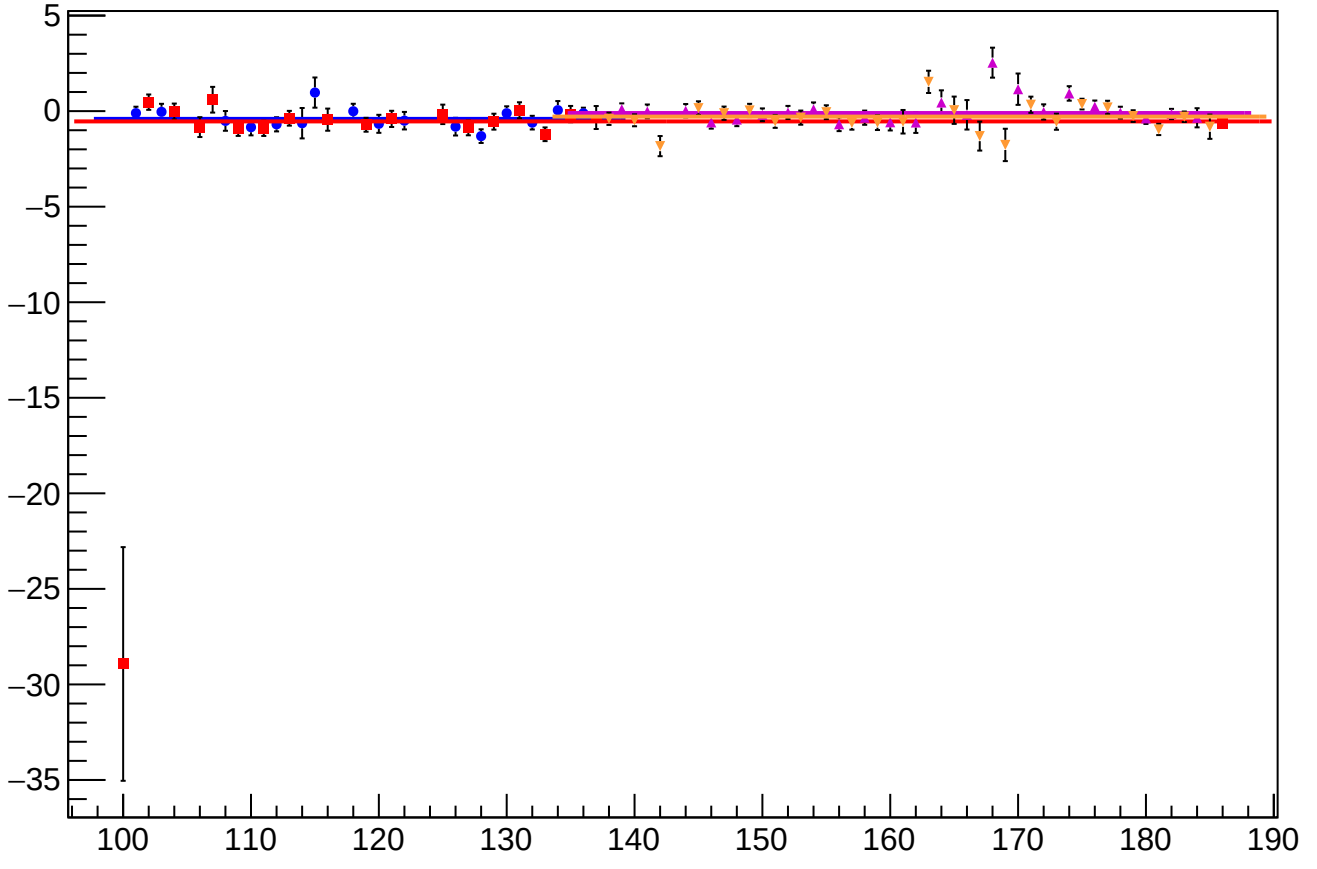
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.172+/-0.050 χ^2/NDF: 48.8/39

All: 0.180+/-0.035 χ^2/NDF: 106.1/81

- sign 0.188+/-0.050 χ^2/NDF: 57.3/41

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.538+/-0.083 χ^2/NDF: 43.1/18

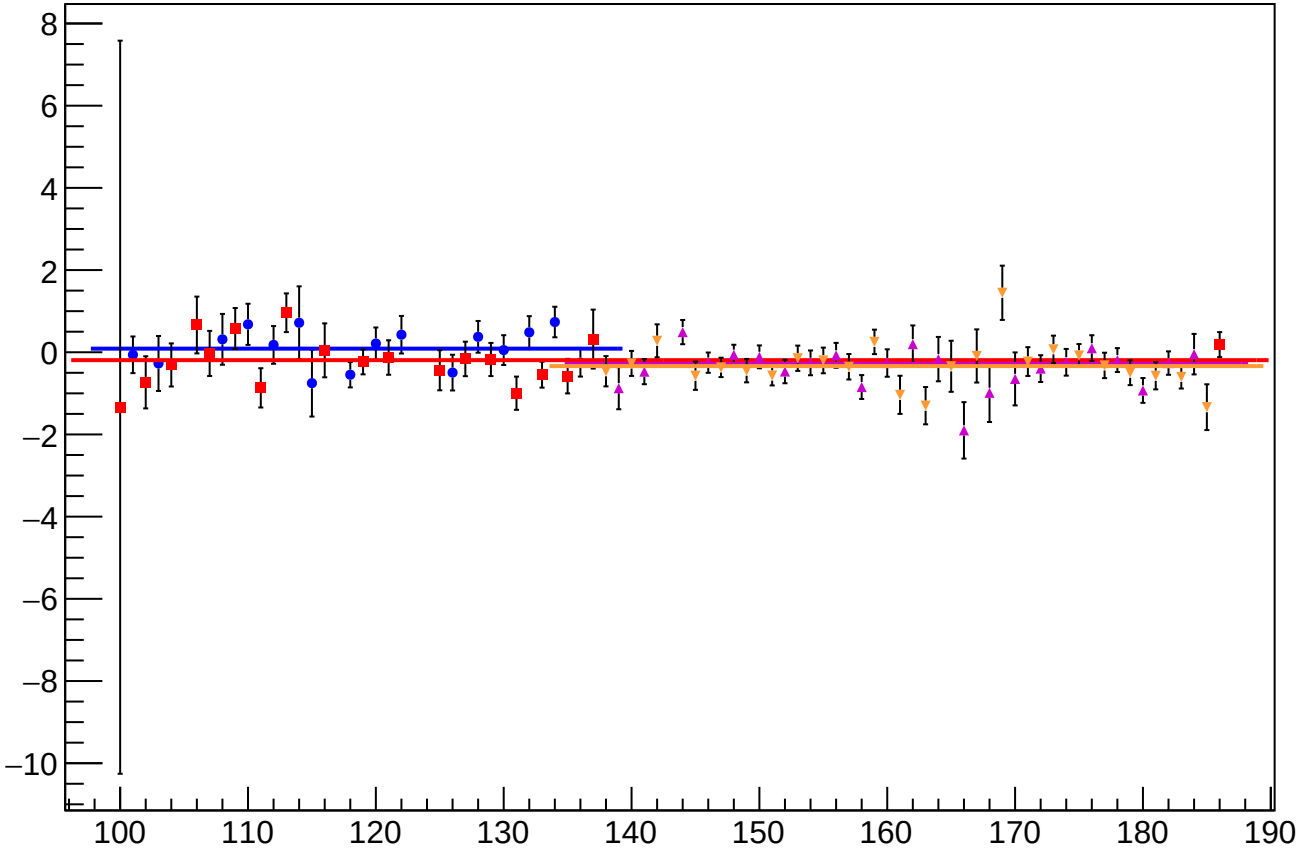
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.329+/-0.062 χ^2/NDF: 63.7/39

All: -0.318+/-0.042 χ^2/NDF: 154.9/81

- sign -0.308+/-0.057 χ^2/NDF: 91.2/41

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.192+/-0.103 χ^2/NDF: 21.4/18

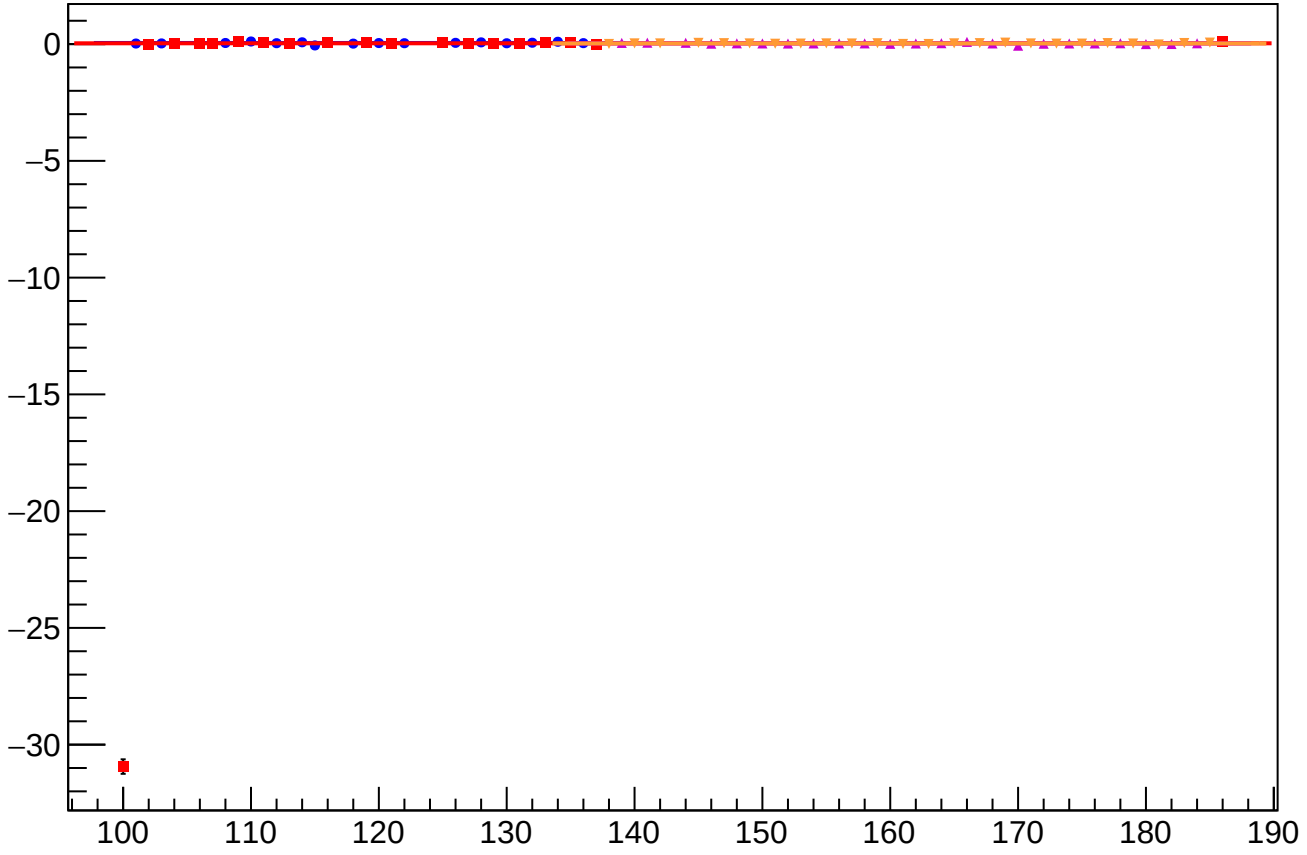
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.217+/-0.058 χ^2/NDF: 57.0/39

All: -0.236+/-0.041 χ^2/NDF: 108.1/81

- 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: 19.2/15

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.035+/-0.006 χ^2/NDF: 10036.0/18

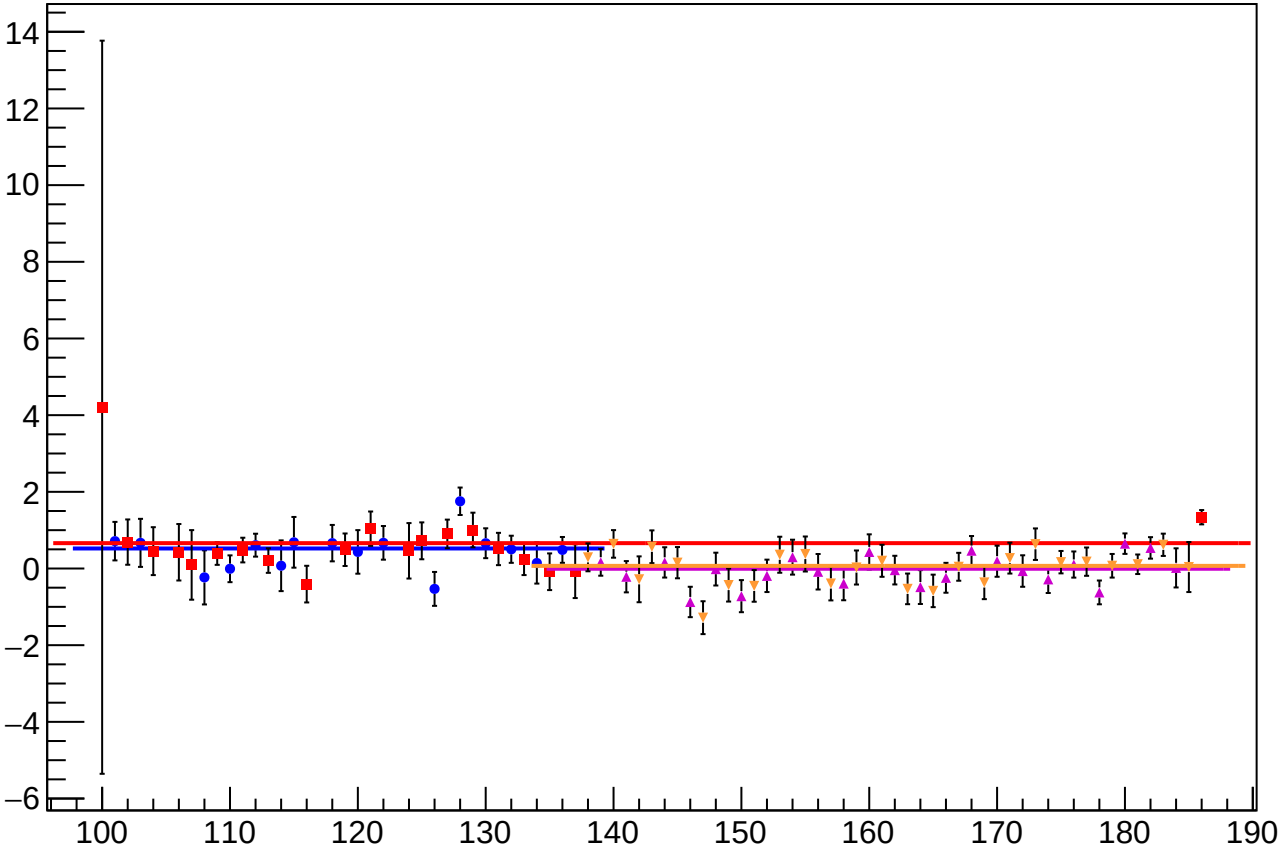
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.032+/-0.003 χ^2/NDF: 55.5/39

All: 0.031+/-0.002 χ^2/NDF: 10131.1/81

- sign 0.031+/-0.003 χ^2/NDF: 10075.5/41

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.662+/-0.092 χ^2/NDF: 28.6/19

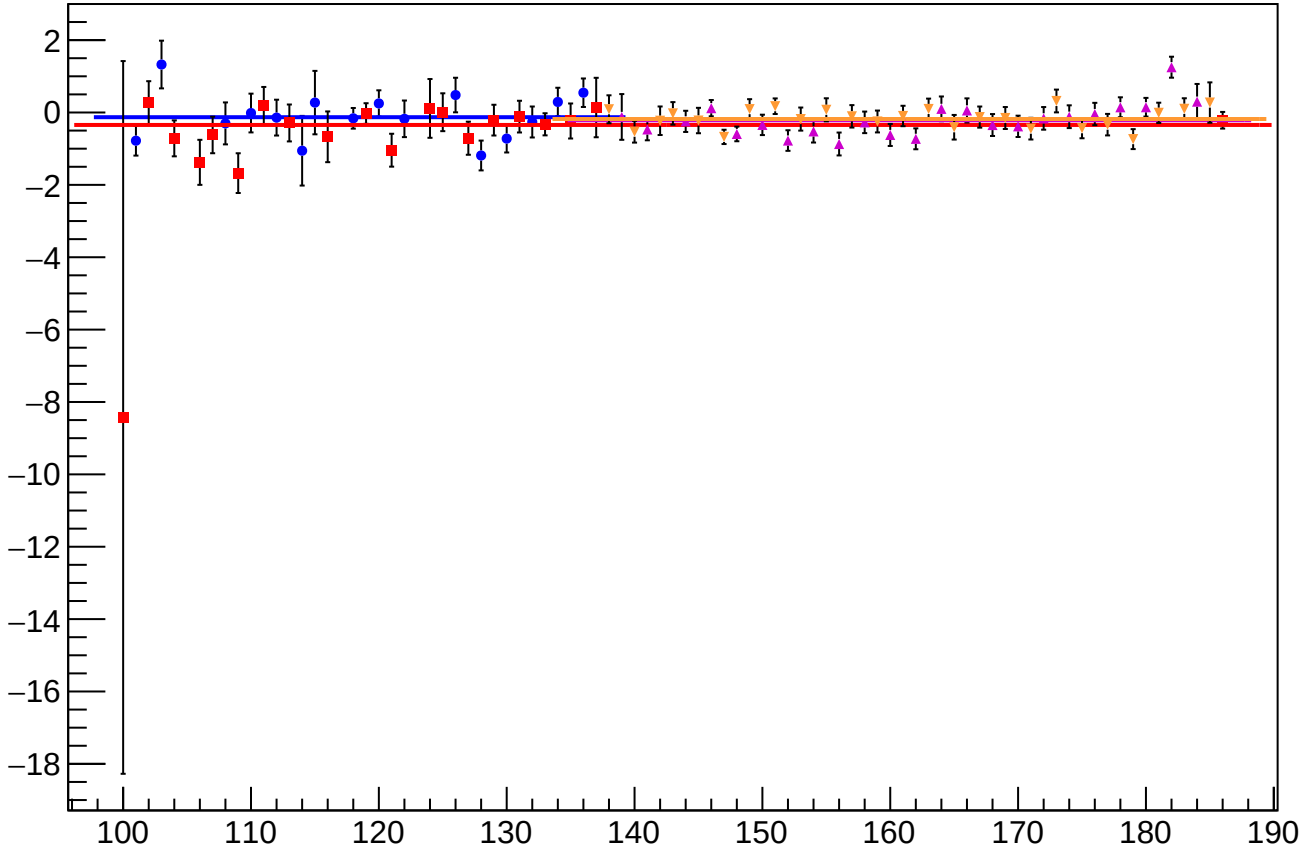
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.221+/-0.063 χ^2/NDF: 65.4/40

All: 0.252+/-0.043 χ^2/NDF: 153.3/83

- sign 0.280+/-0.060 χ^2/NDF: 87.5/42

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.344+/-0.100 χ^2/NDF: 18.6/19

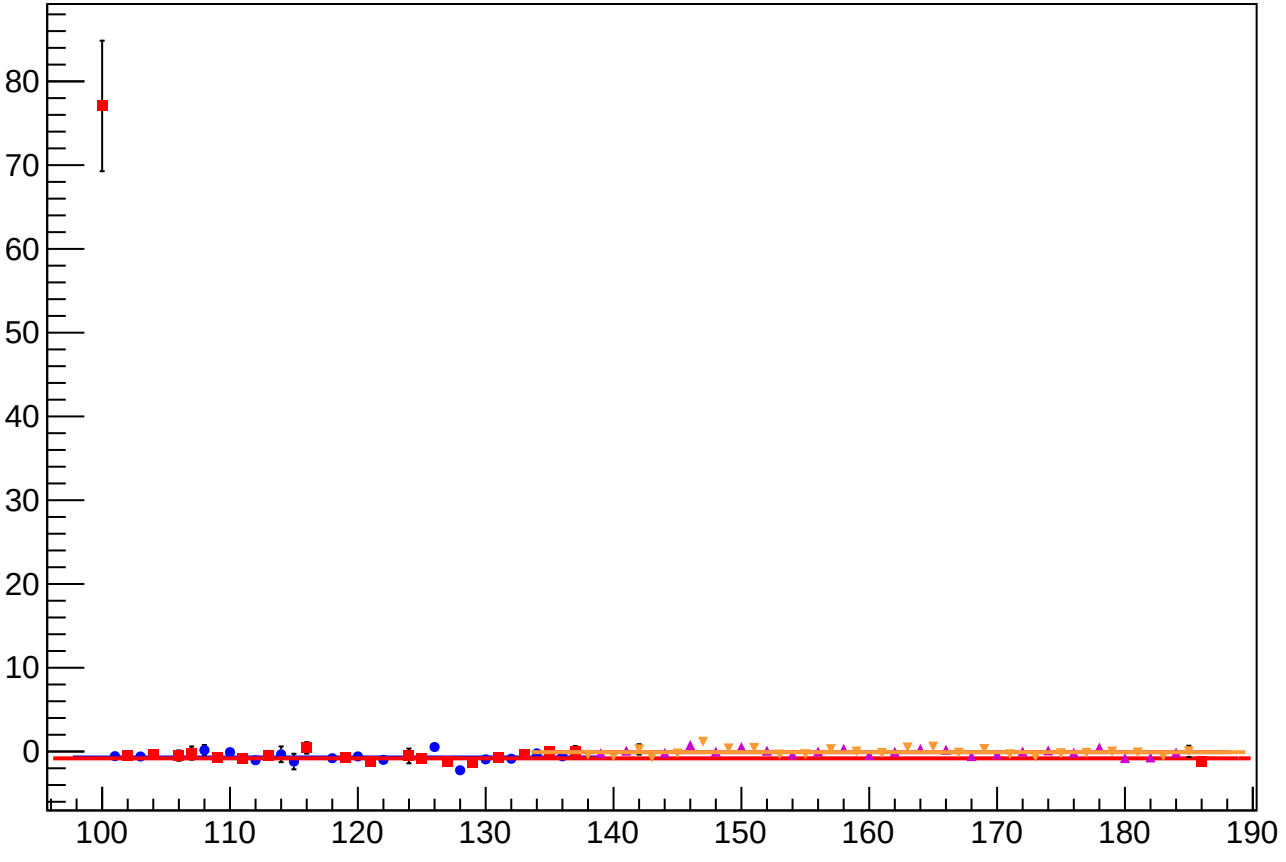
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.169+/-0.052 χ^2/NDF: 49.5/40

All: -0.210+/-0.037 χ^2/NDF: 124.1/83

- sign -0.251+/-0.052 χ^2/NDF: 73.4/42

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.816+/-0.094 χ^2/NDF: 119.0/19

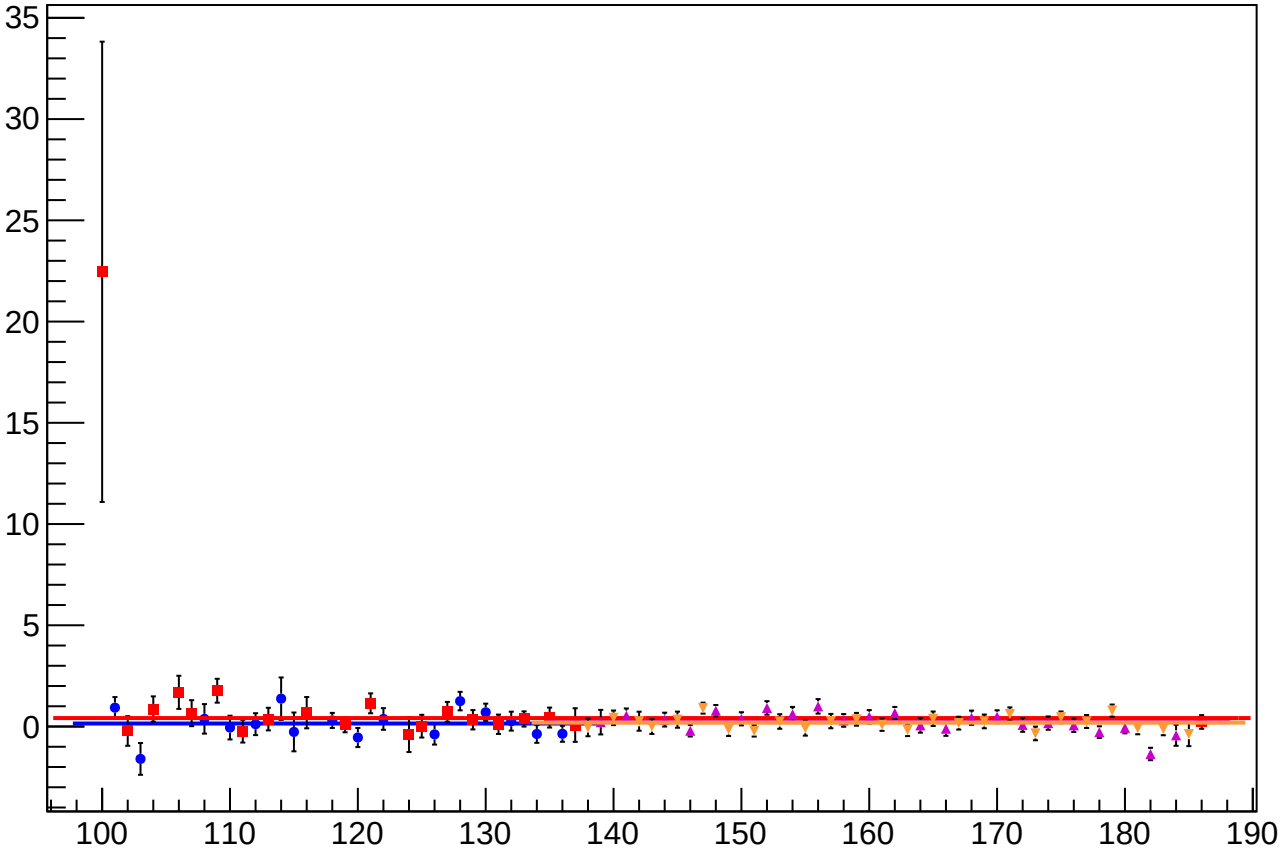
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.258+/-0.065 χ^2/NDF: 74.4/40

All: -0.323+/-0.044 χ^2/NDF: 259.9/83

- sign -0.379+/-0.060 χ^2/NDF: 183.6/42

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.417+/-0.120 χ^2/NDF: 20.1/19

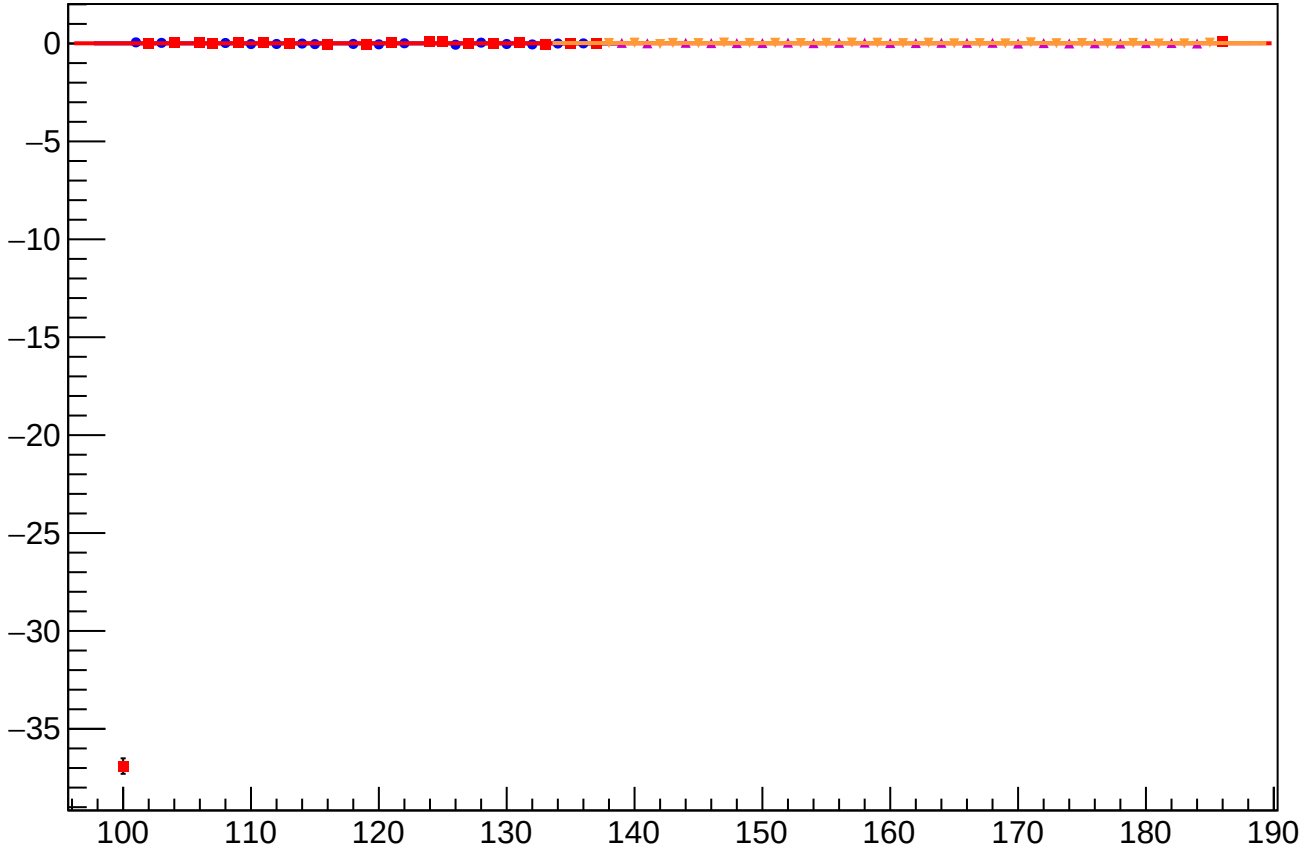
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.184+/-0.059 χ^2/NDF: 49.2/40

All: 0.224+/-0.042 χ^2/NDF: 127.5/83

- sign 0.266+/-0.060 χ^2/NDF: 77.3/42

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.011+/-0.007 χ^2/NDF: 8769.8/19

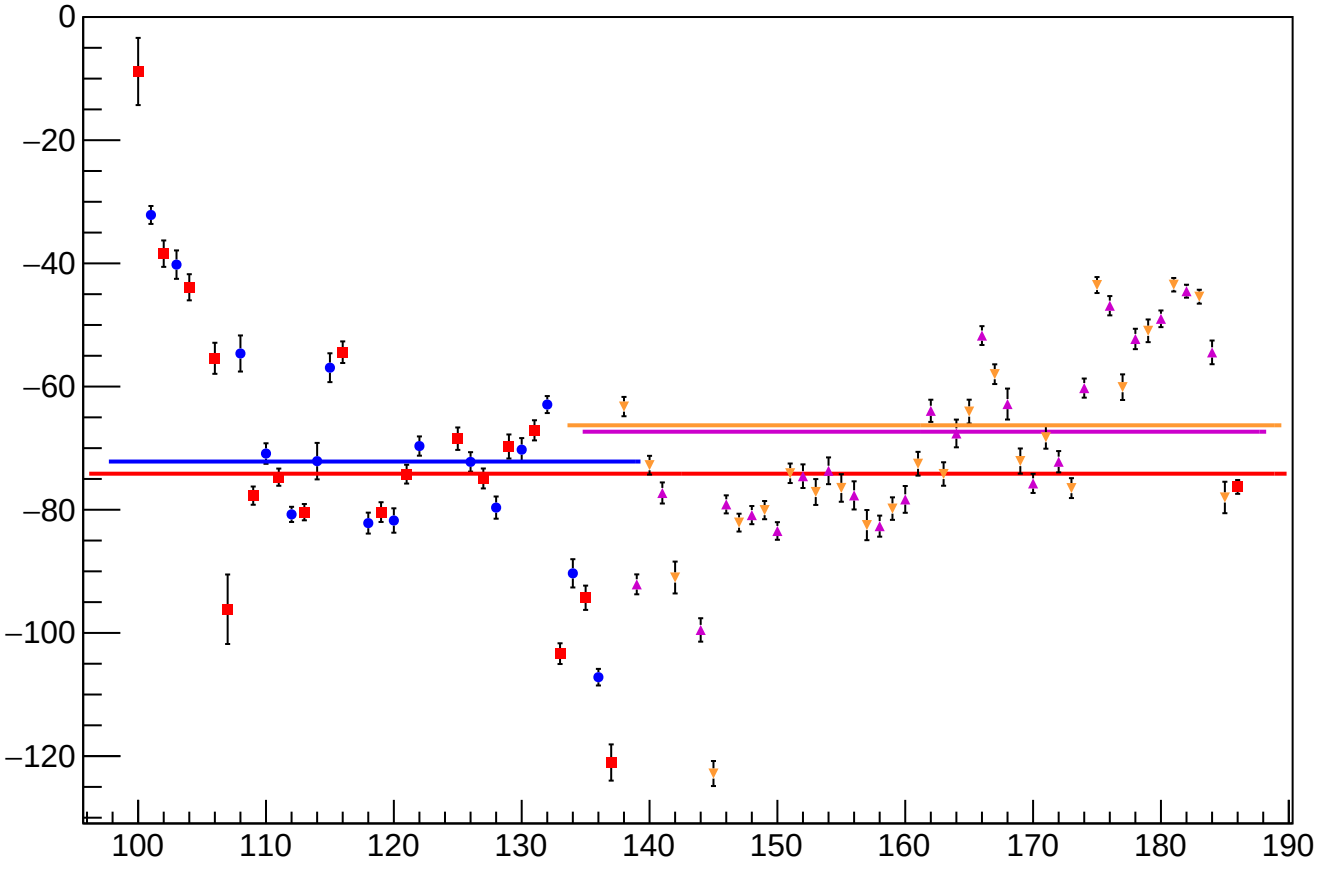
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

\+ sign 0.022+/-0.003 χ^2/NDF: 52.8/40

All: 0.022+/-0.002 χ^2/NDF: 8843.6/83

\- sign 0.022+/-0.003 χ^2/NDF: 8790.7/42

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -74.147+/-0.402 χ^2/NDF: 1561.9/18

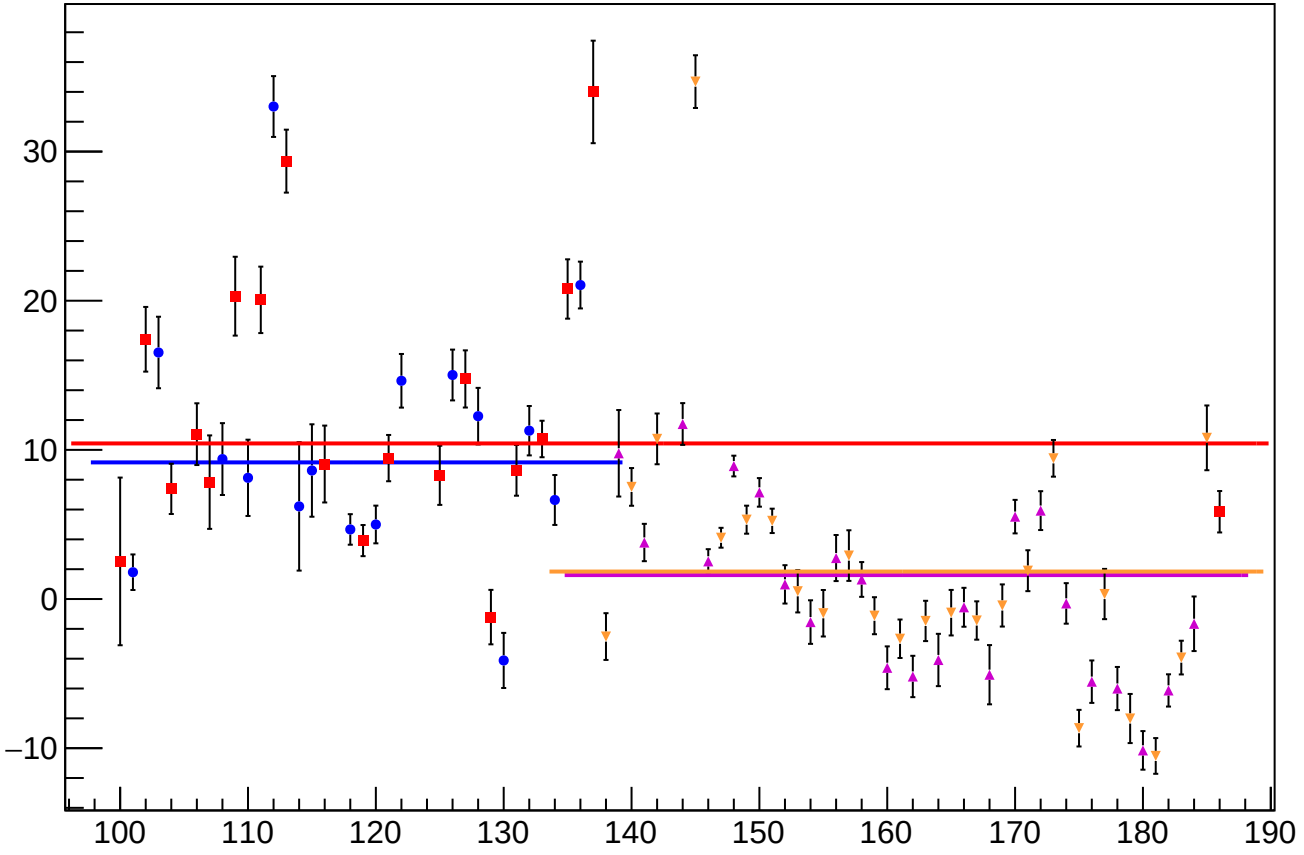
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -68.571+/-0.269 χ^2/NDF: 4599.9/39

All: -69.419+/-0.188 χ^2/NDF: 8449.3/81

- sign -70.223+/-0.262 χ^2/NDF: 3830.0/41

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.432+/-0.420 χ^2/NDF: 302.2/18

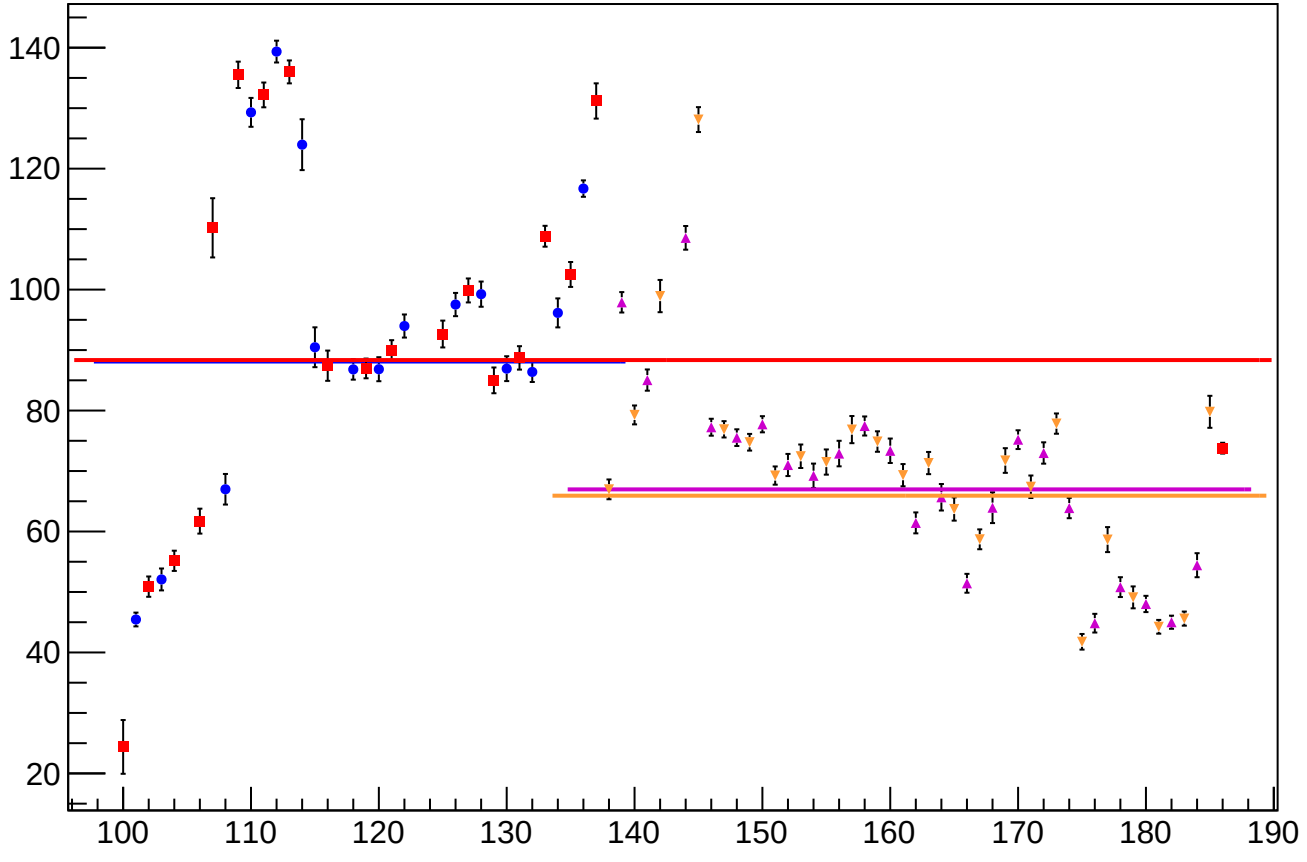
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

\+ sign 3.773+/-0.218 χ^2/NDF: 1351.8/39

All: 3.902+/-0.155 χ^2/NDF: 2472.1/81

\- sign 4.033+/-0.220 χ^2/NDF: 1119.6/41

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 88.349+/-0.425 χ^2/NDF: 3553.4/18

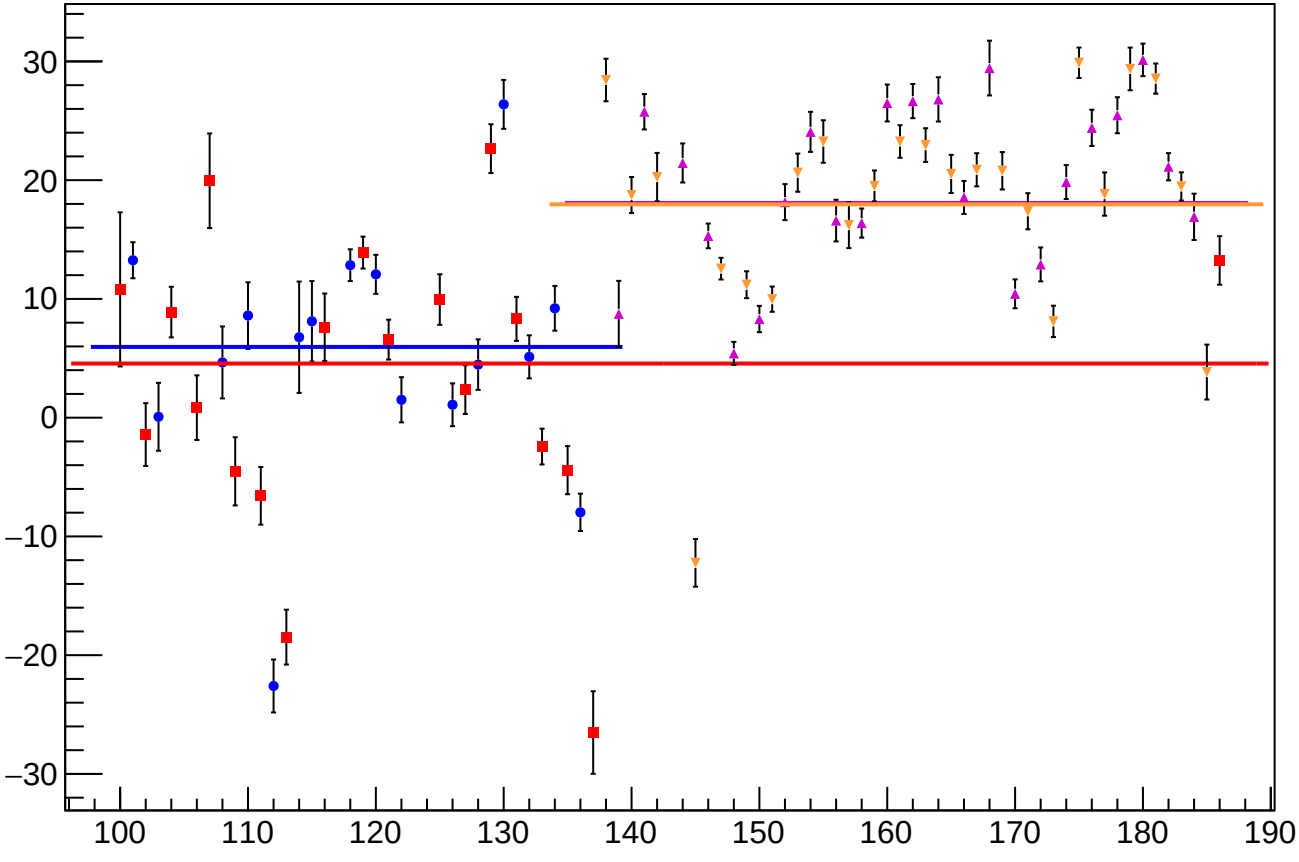
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 73.590+/-0.275 χ^2/NDF: 7584.3/39

All: 74.497+/-0.191 χ^2/NDF: 14918.9/81

- sign 75.343+/-0.266 χ^2/NDF: 7313.6/41

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 4.558+/-0.494 χ^2/NDF: 436.9/18

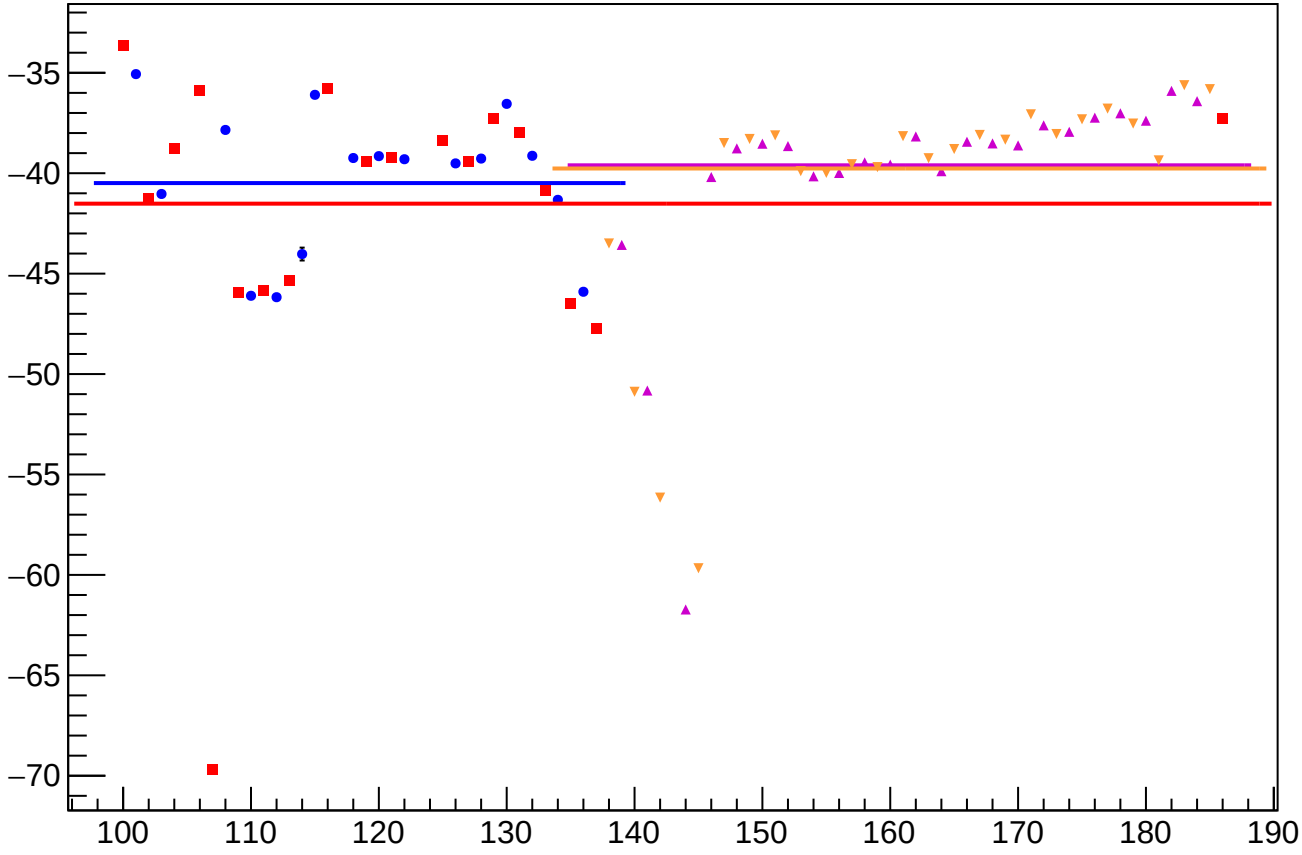
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.862+/-0.251 χ^2/NDF: 1595.7/39

All: 14.698+/-0.178 χ^2/NDF: 3190.2/81

- sign 14.532+/-0.253 χ^2/NDF: 1593.6/41

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.516+/-0.029 χ^2/NDF: 37710.6/18

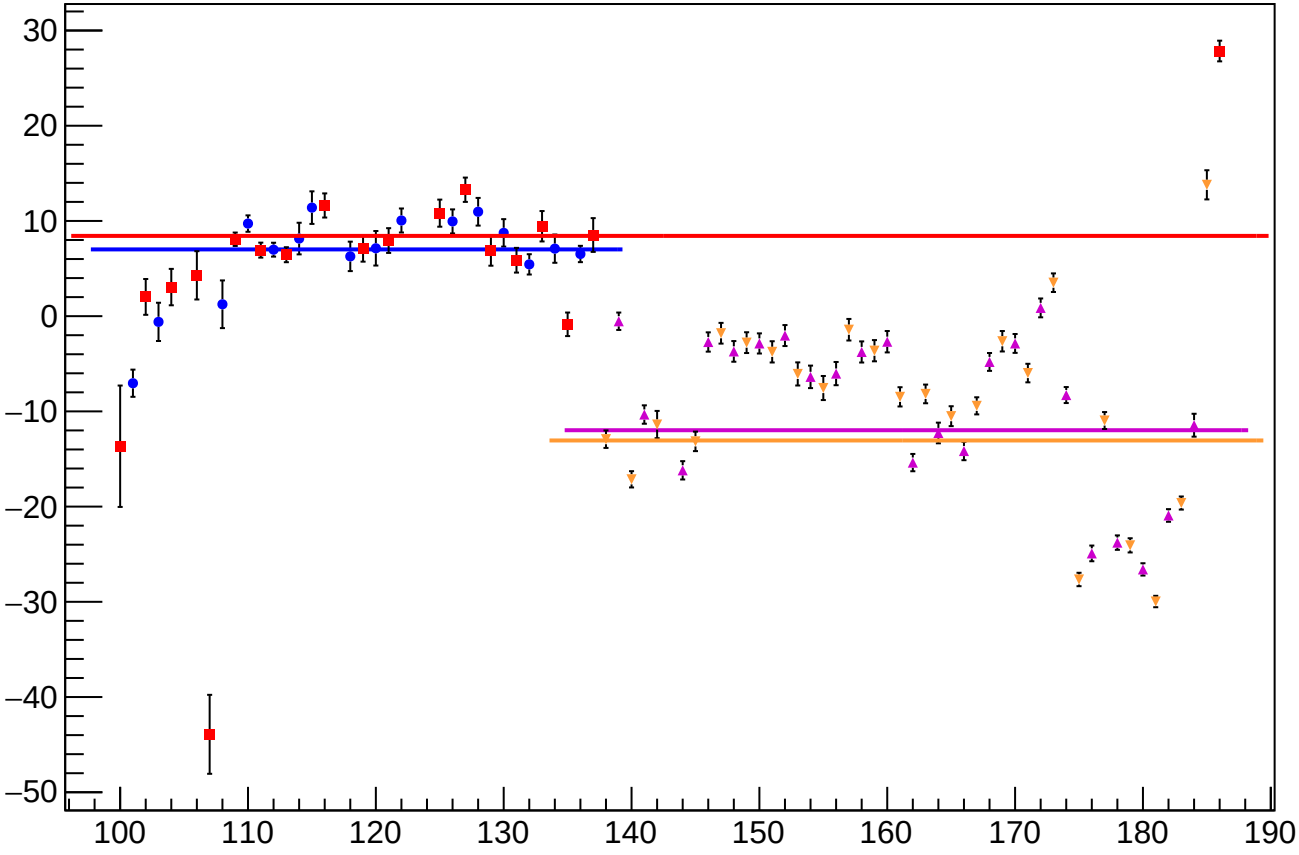
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.899+/-0.012 χ^2/NDF: 148556.5/39

All: -39.923+/-0.009 χ^2/NDF: 296554.5/81

- sign -39.947+/-0.012 χ^2/NDF: 147990.2/41

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 8.430+/-0.288 χ^2/NDF: 609.5/18

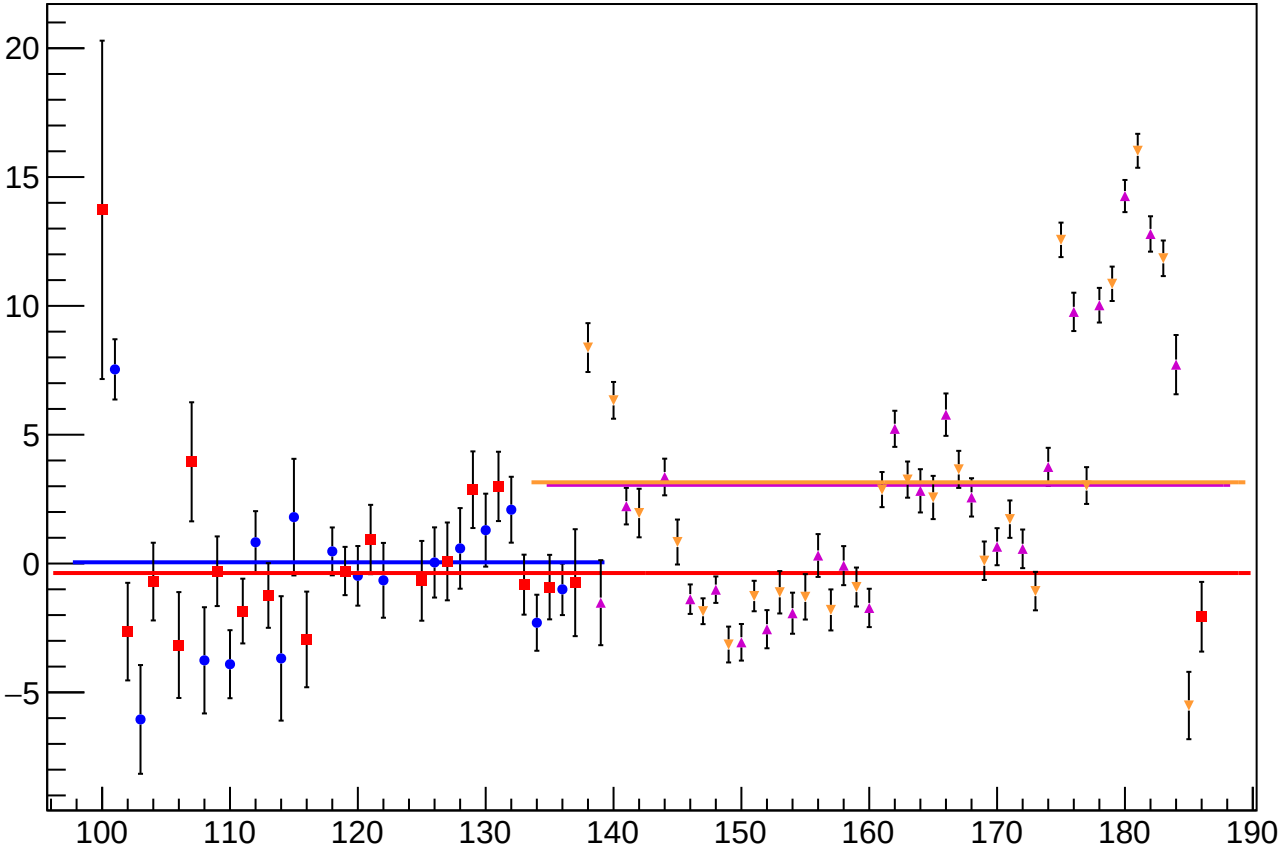
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -7.439+/-0.164 χ^2/NDF: 6056.2/39

All: -6.472+/-0.115 χ^2/NDF: 12356.5/81

- sign -5.527+/-0.162 χ^2/NDF: 6231.2/41

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.369+/-0.334 χ^2/NDF: 29.2/18

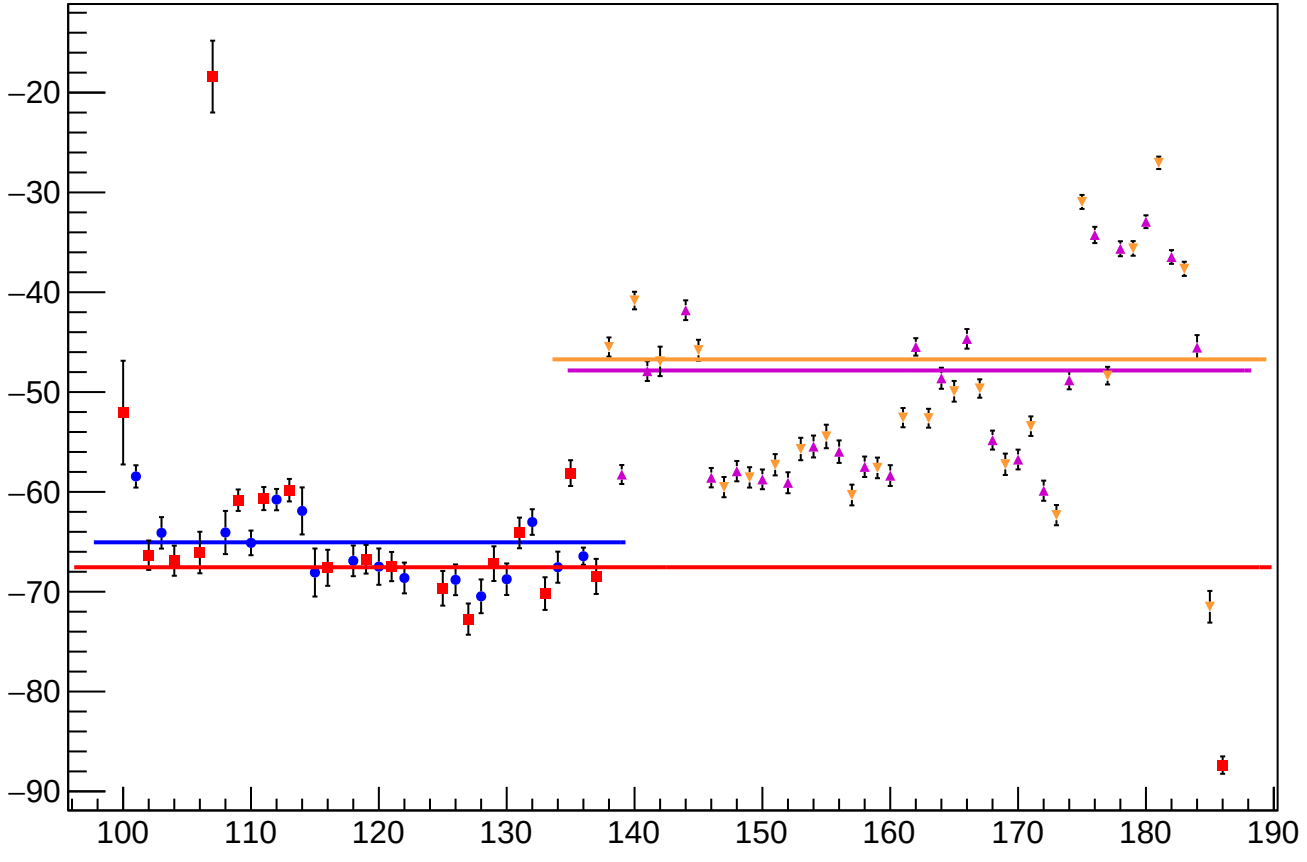
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.630+/-0.136 χ^2/NDF: 1533.0/39

All: 2.550+/-0.097 χ^2/NDF: 2795.1/81

- sign 2.467+/-0.138 χ^2/NDF: 1261.4/41

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -67.546+/-0.333 χ^2/NDF: 909.5/18

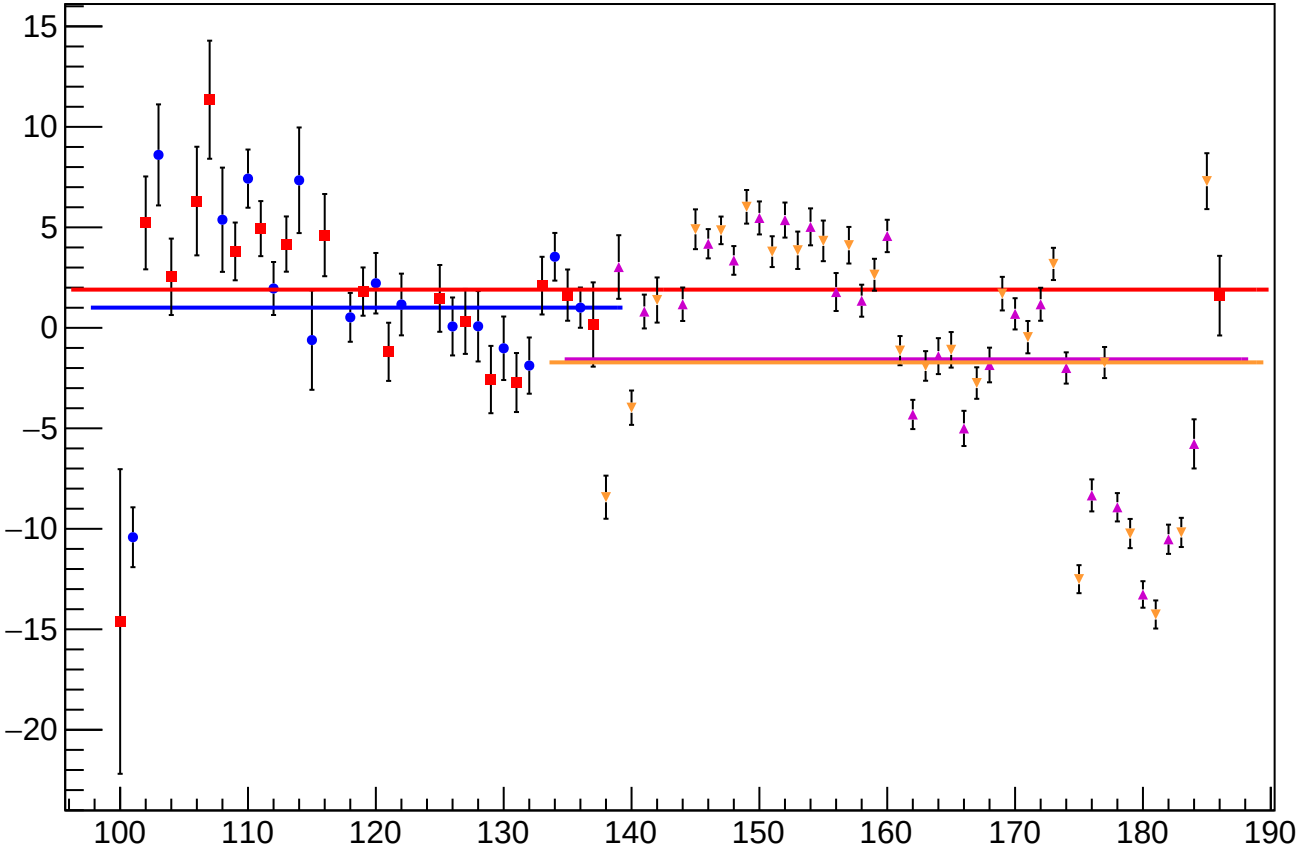
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -50.875+/-0.168 χ^2/NDF: 5612.1/39

All: -51.854+/-0.119 χ^2/NDF: 11762.5/81

- sign -52.822+/-0.168 χ^2/NDF: 6083.2/41

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 1.902+/-0.382 χ^2/NDF: 54.5/18

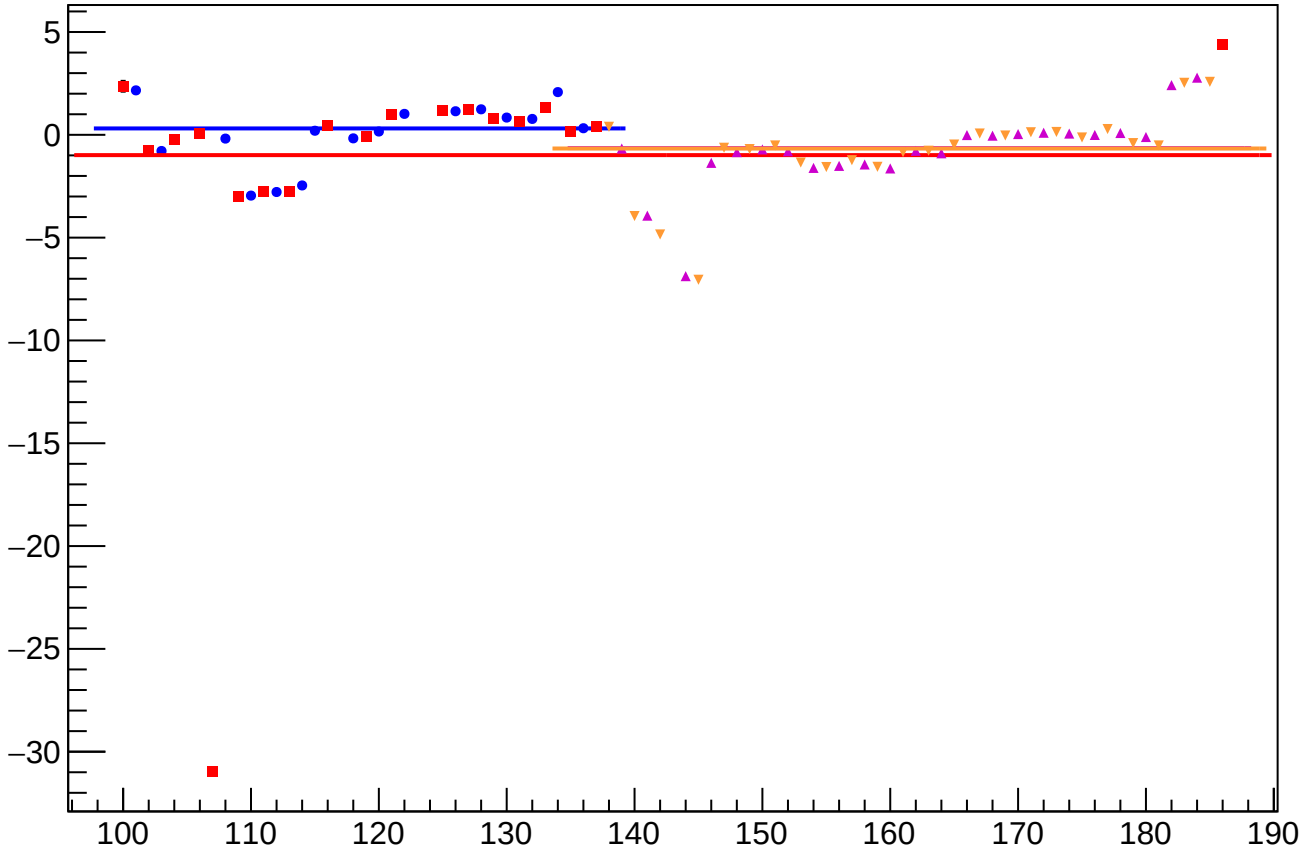
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.265+/-0.153 χ^2/NDF: 1559.2/39

All: -1.130+/-0.109 χ^2/NDF: 2801.6/81

- sign -0.991+/-0.156 χ^2/NDF: 1240.9/41

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.987+/-0.022 χ^2/NDF: 47873.1/18

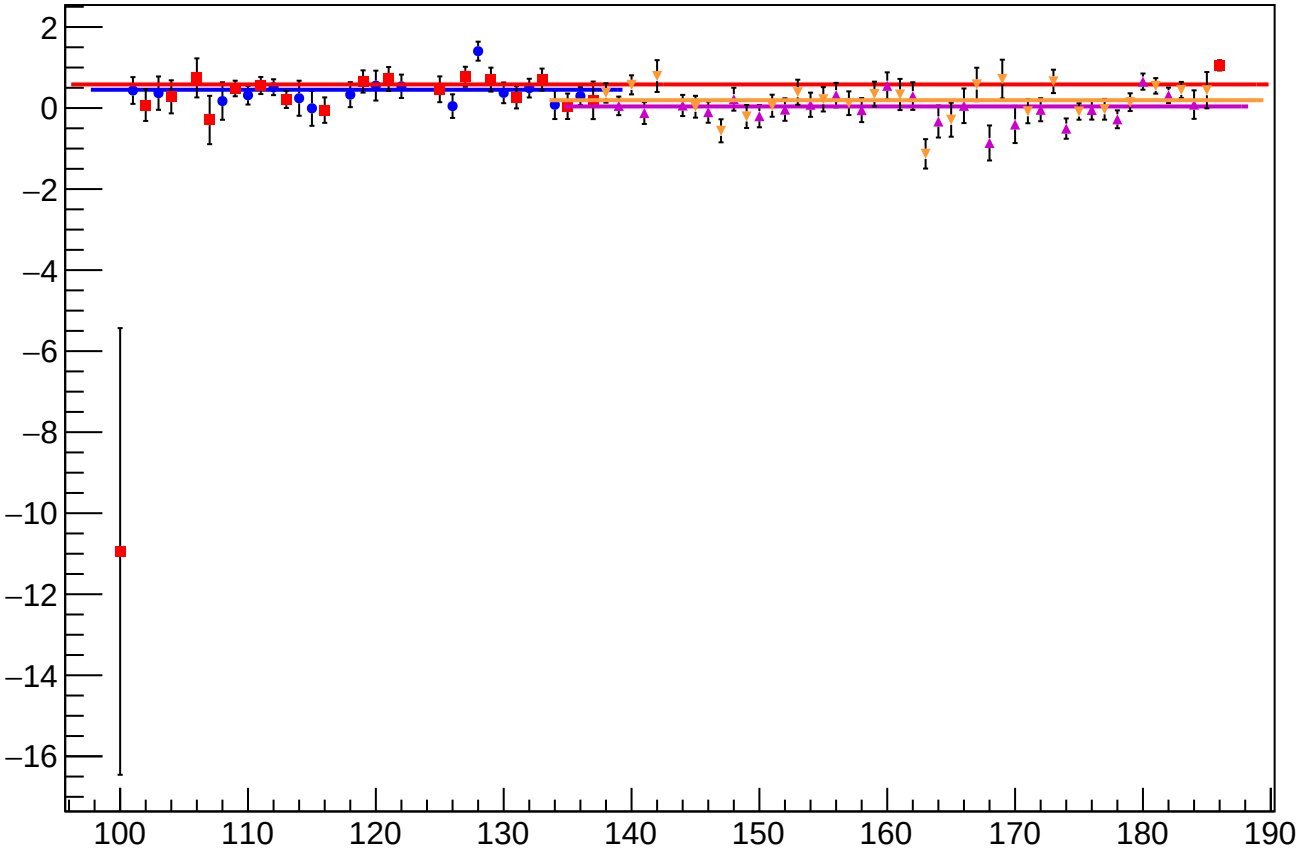
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.556+/-0.007 χ^2/NDF: 62029.7/39

All: -0.618+/-0.005 χ^2/NDF: 155847.7/81

- sign -0.682+/-0.007 χ^2/NDF: 93658.8/41

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.583+/-0.061 χ^2/NDF: 36.6/18

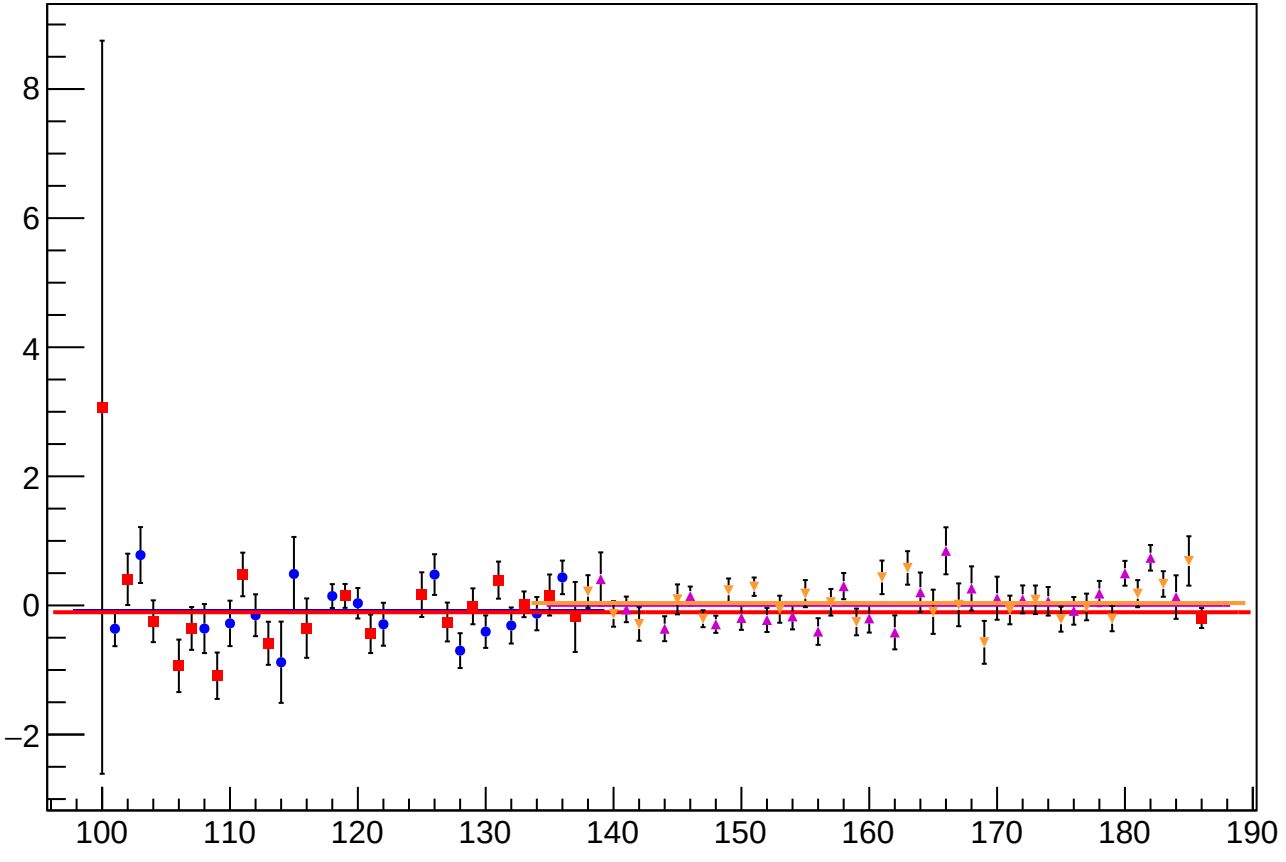
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.294+/-0.044 χ^2/NDF: 74.9/39

All: 0.295+/-0.030 χ^2/NDF: 184.0/81

- sign 0.296+/-0.042 χ^2/NDF: 109.1/41

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.105+/-0.066 χ^2/NDF: 28.3/18

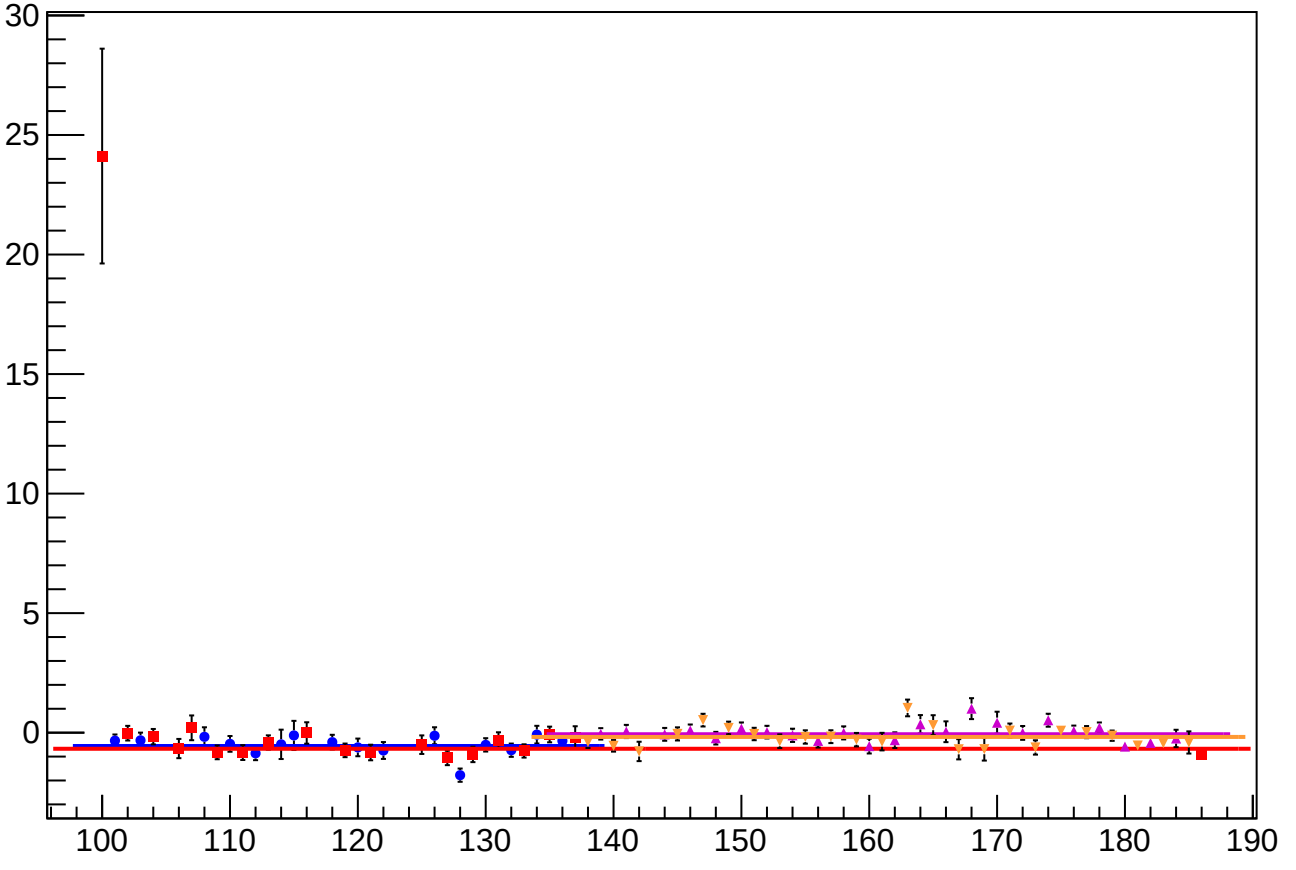
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.006+/-0.037 χ^2/NDF: 60.3/39

All: -0.011+/-0.026 χ^2/NDF: 142.4/81

- sign -0.027+/-0.037 χ^2/NDF: 81.7/41

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.673+/-0.063 χ^2/NDF: 56.9/18

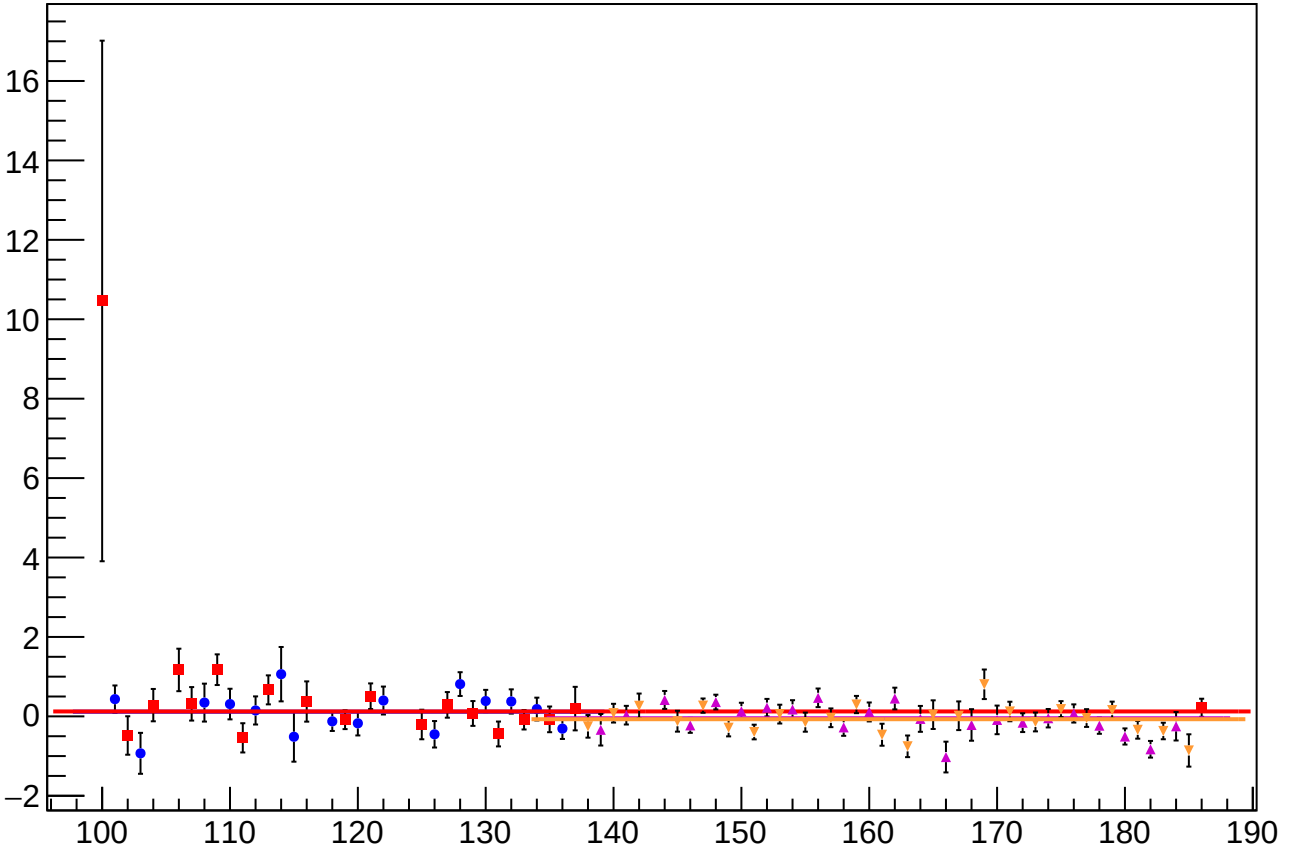
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.304+/-0.046 χ^2/NDF: 85.7/39

All: -0.323+/-0.031 χ^2/NDF: 225.5/81

- sign -0.339+/-0.042 χ^2/NDF: 139.6/41

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.124+/-0.079 χ^2/NDF: 29.2/18

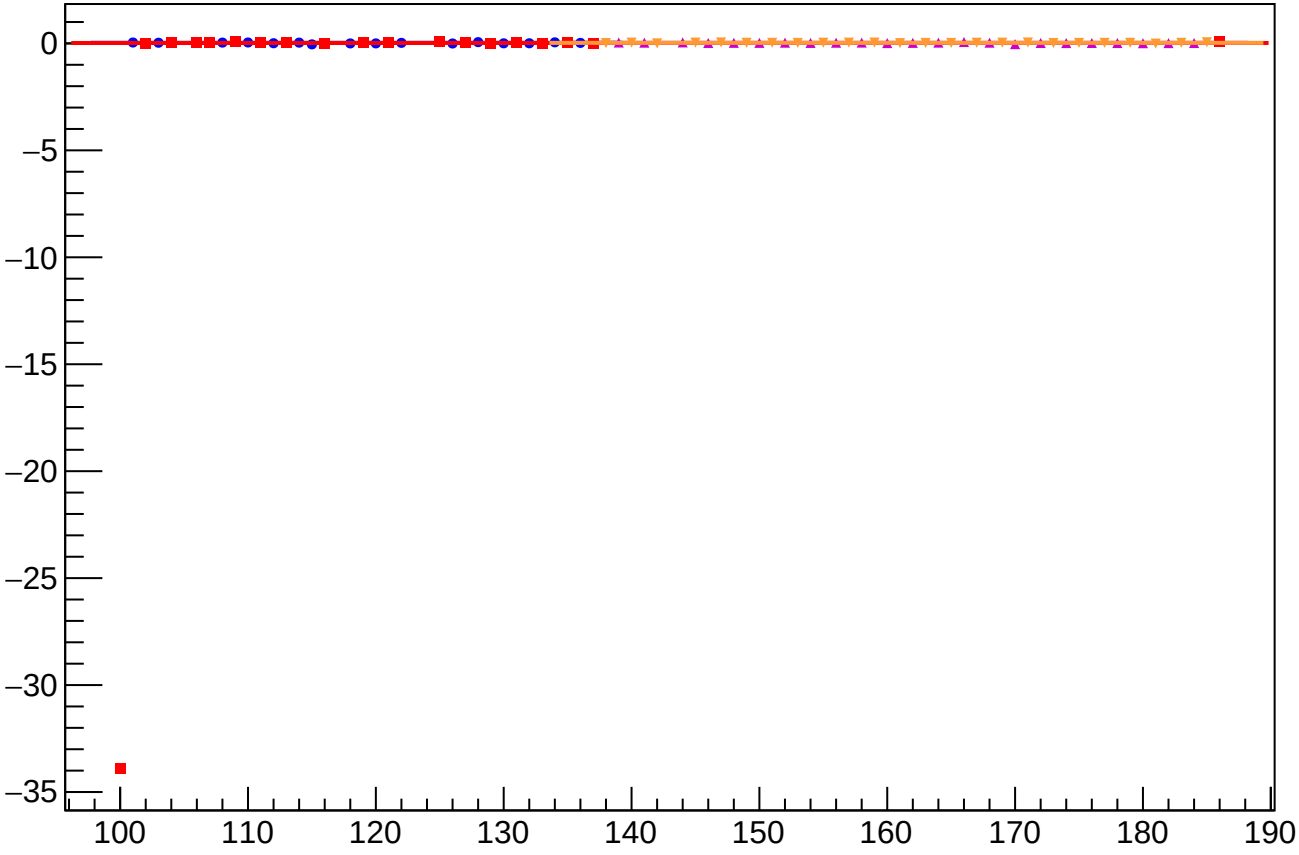
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.023+/-0.043 χ^2/NDF: 65.1/39

All: -0.011+/-0.030 χ^2/NDF: 148.3/81

- sign 0.002+/-0.042 χ^2/NDF: 83.0/41

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.020+/-0.005 χ^2/NDF: 22295.8/18

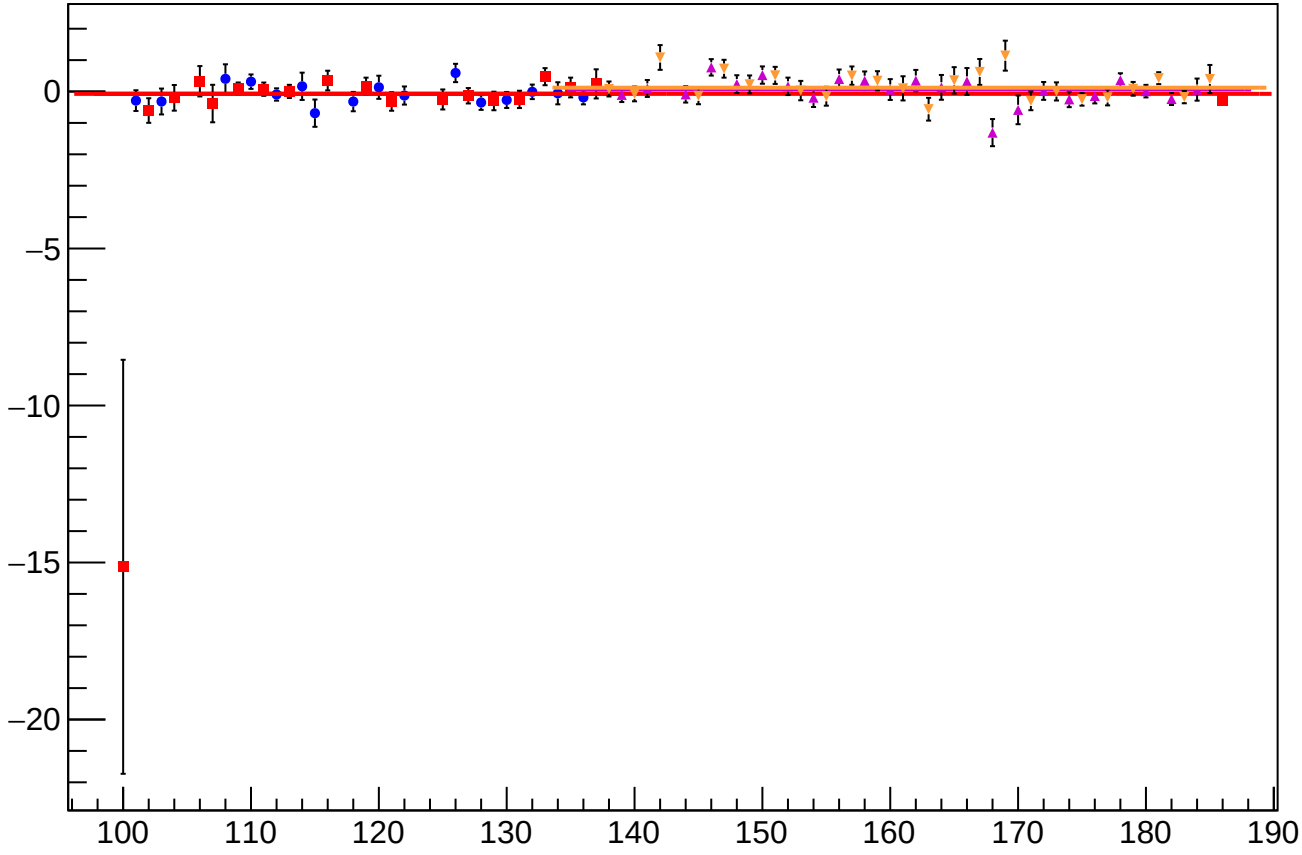
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.026+/-0.002 χ^2/NDF: 46.1/39

All: 0.026+/-0.001 χ^2/NDF: 22383.2/81

- sign 0.025+/-0.002 χ^2/NDF: 22336.8/41

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.074+/-0.061 χ^2/NDF: 22.1/18

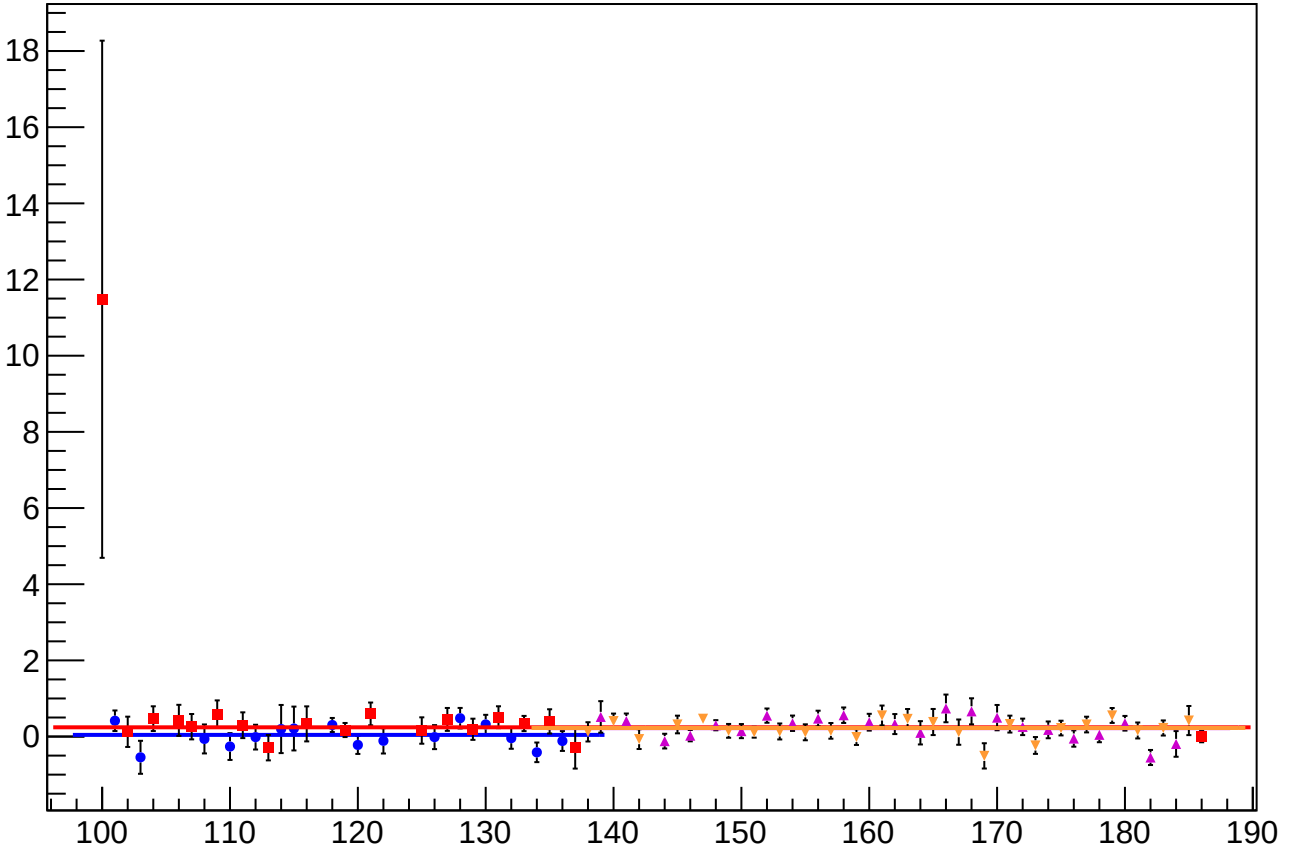
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.047+/-0.044 χ^2/NDF: 59.6/39

All: 0.021+/-0.030 χ^2/NDF: 119.3/81

- sign -0.002+/-0.042 χ^2/NDF: 59.1/41

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.243+/-0.067 χ^2/NDF: 13.9/18

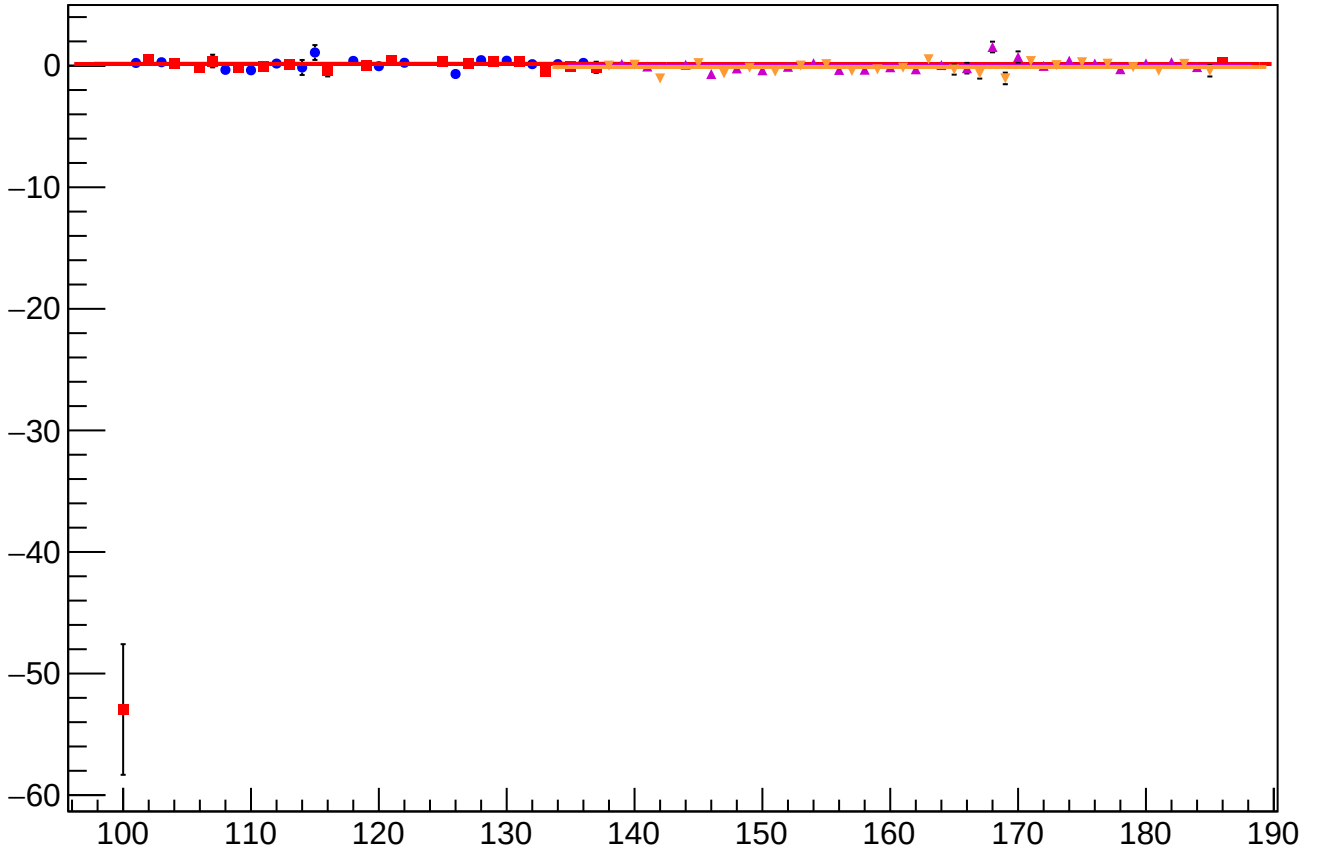
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.178+/-0.037 χ^2/NDF: 44.4/39

All: 0.203+/-0.026 χ^2/NDF: 98.6/81

- sign 0.228+/-0.037 χ^2/NDF: 53.3/41

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.142+/-0.063 χ^2/NDF: 111.6/18

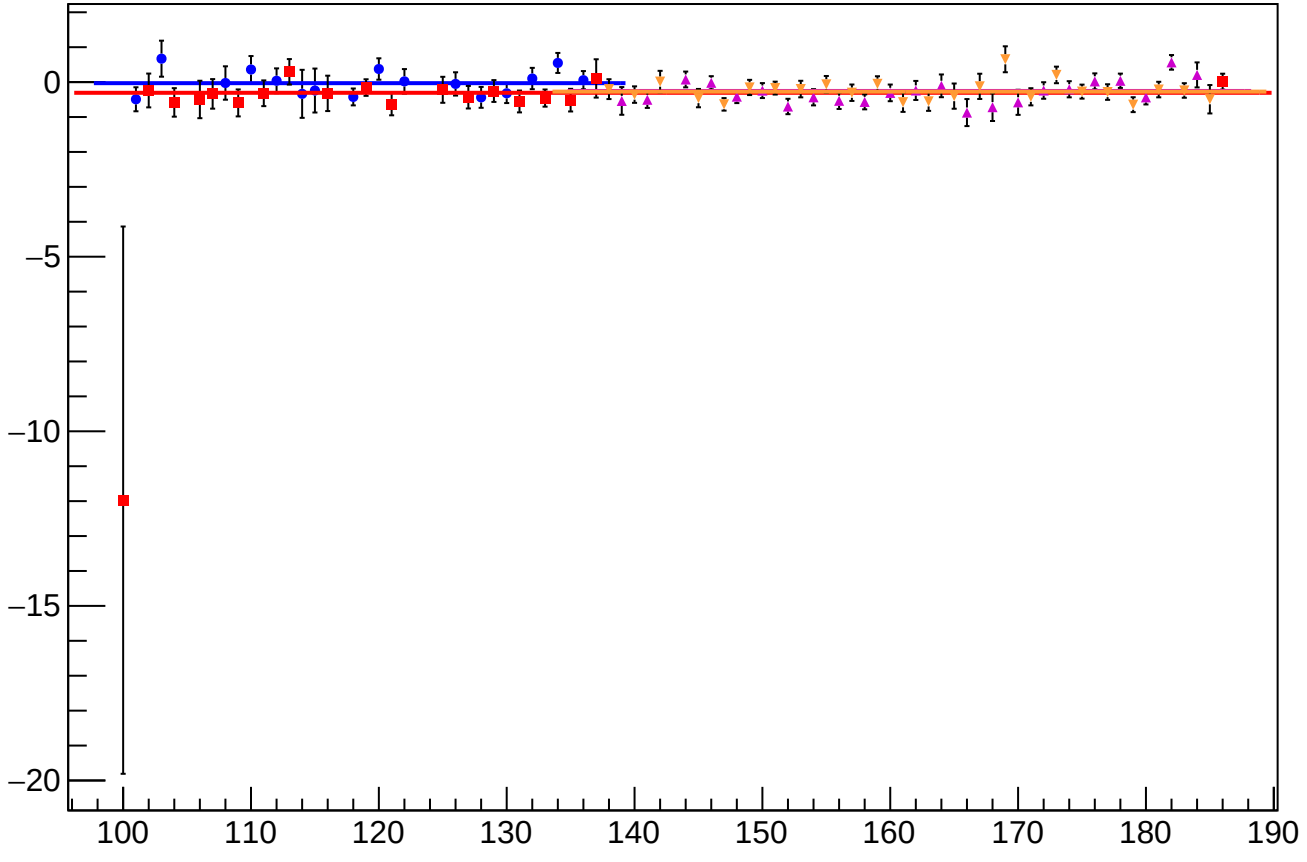
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign -0.019+/-0.046 χ^2/NDF: 60.2/39

All: 0.023+/-0.031 χ^2/NDF: 214.5/81

- sign 0.059+/-0.042 χ^2/NDF: 152.7/41

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.306+/-0.080 χ^2/NDF: 11.7/18

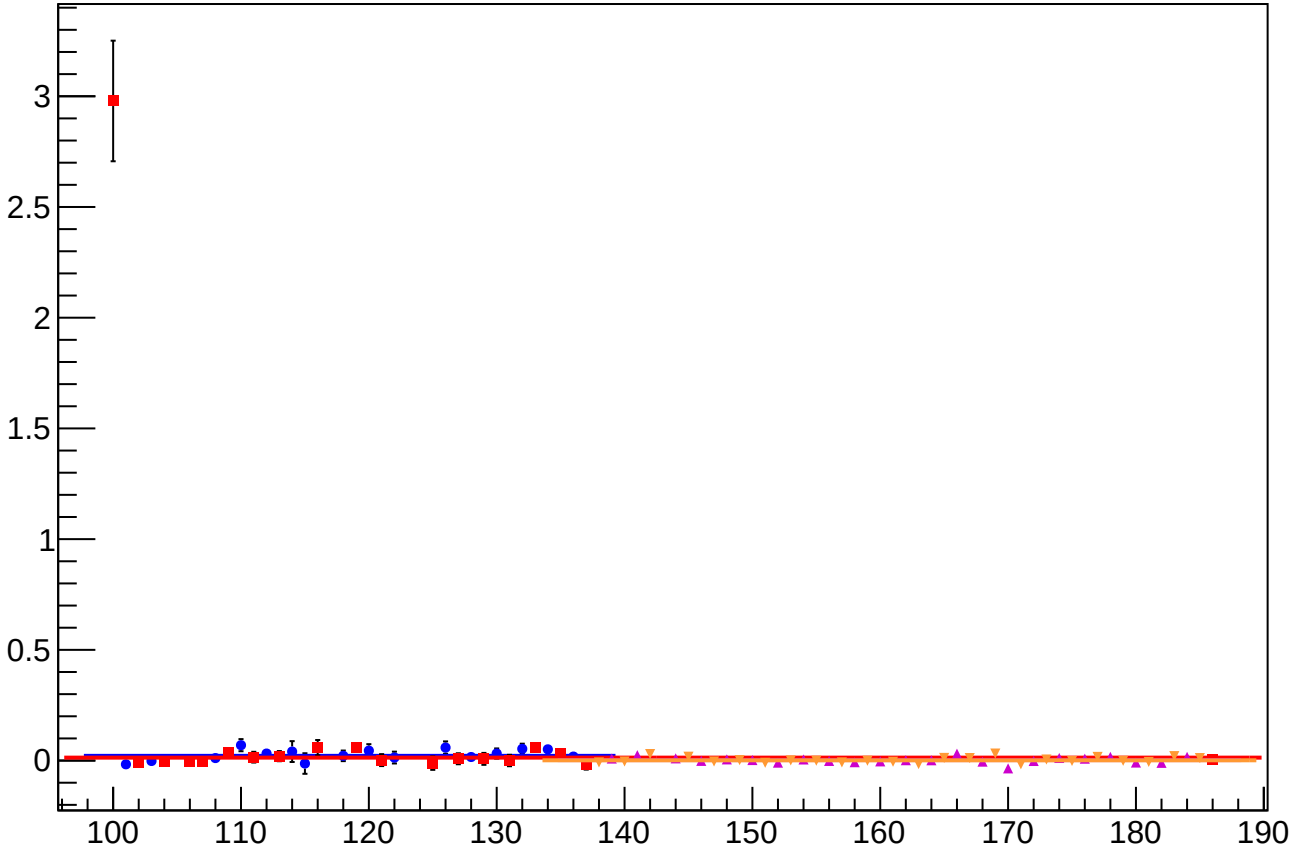
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.210+/-0.043 χ^2/NDF: 47.8/39

All: -0.239+/-0.030 χ^2/NDF: 101.3/81

- 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: 22.5/15

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.013+/-0.005 χ^2/NDF: 141.3/18

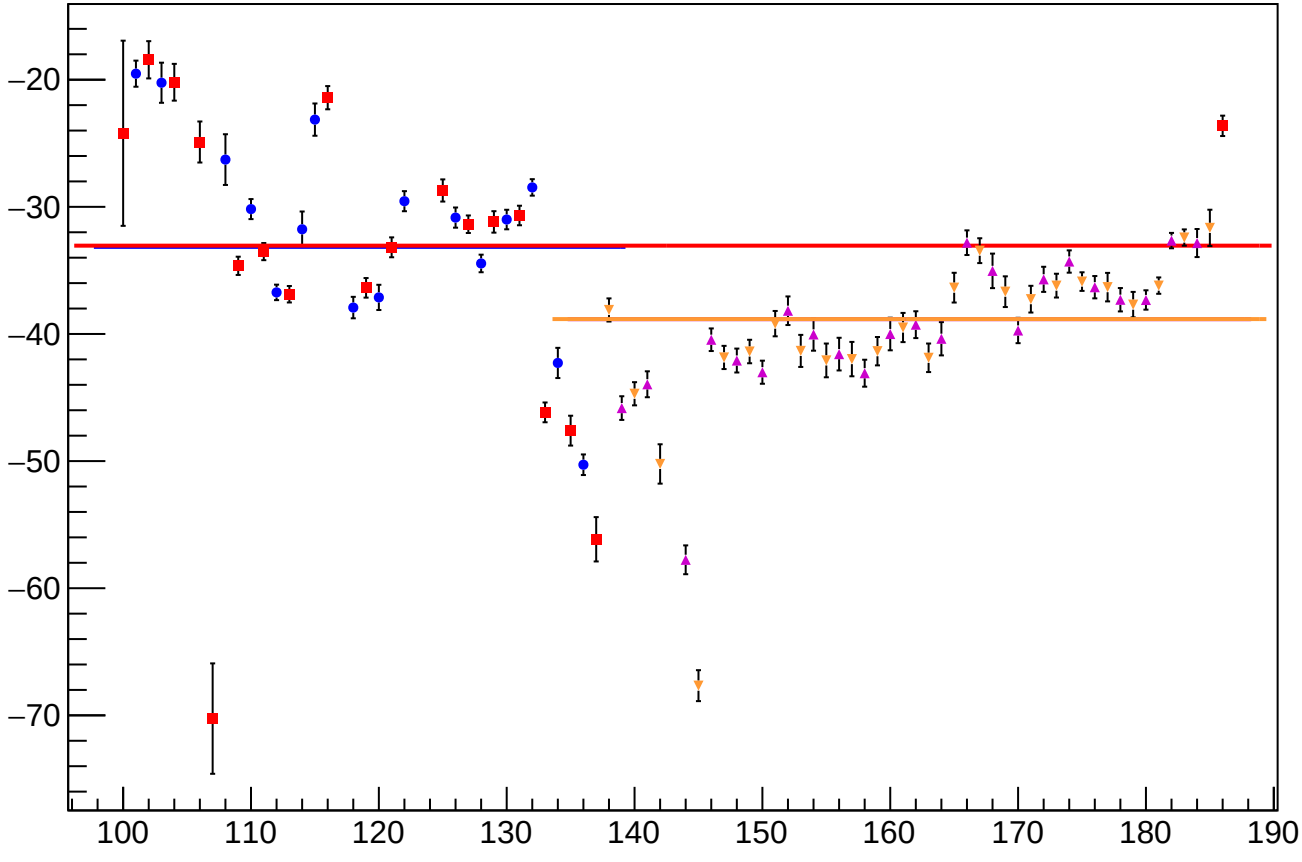
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 63.5/39

All: 0.005+/-0.001 χ^2/NDF: 233.9/81

- sign 0.004+/-0.002 χ^2/NDF: 170.3/41

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -33.053+/-0.208 χ^2/NDF: 1296.6/18

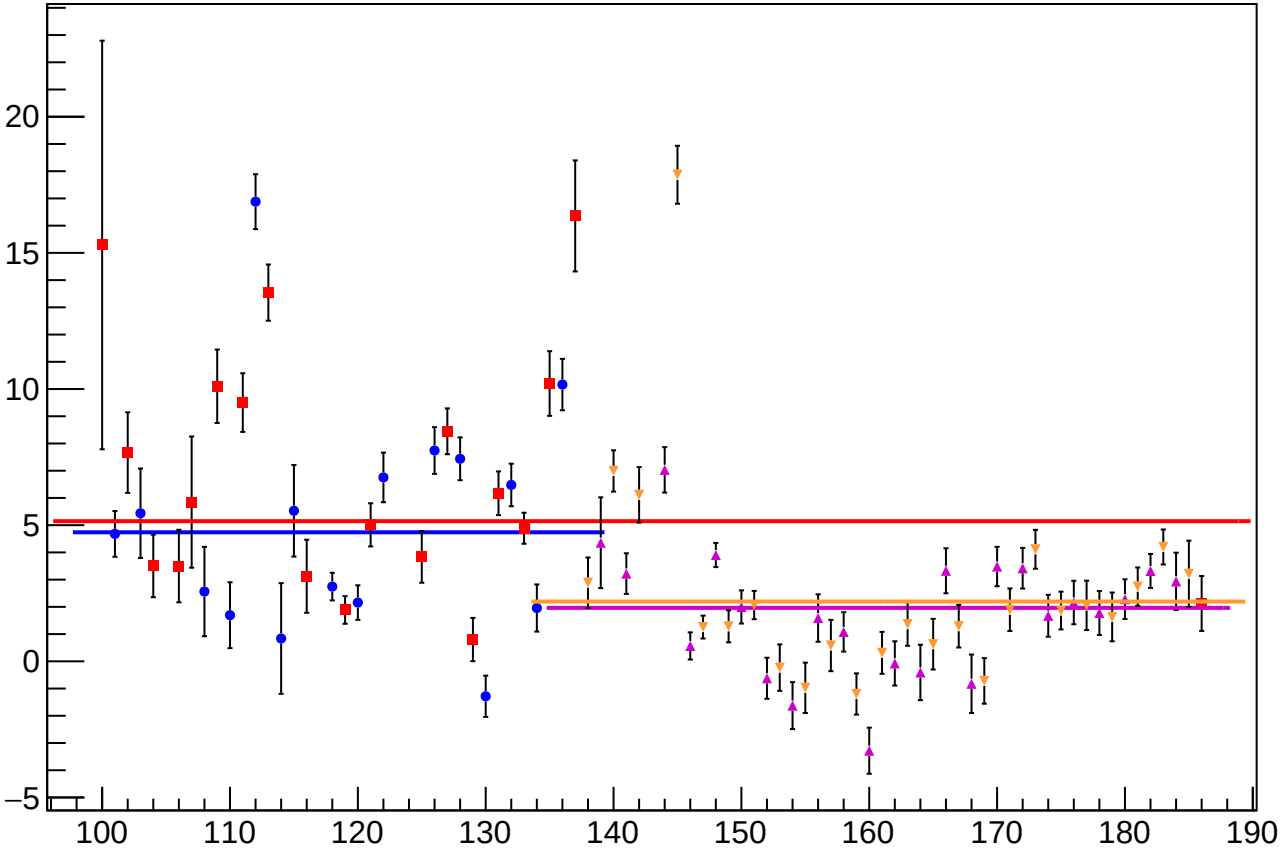
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -36.204+/-0.148 χ^2/NDF: 2296.3/39

All: -36.101+/-0.104 χ^2/NDF: 4643.3/81

- sign -36.003+/-0.145 χ^2/NDF: 2346.1/41

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.147+/-0.218 χ^2/NDF: 254.4/18

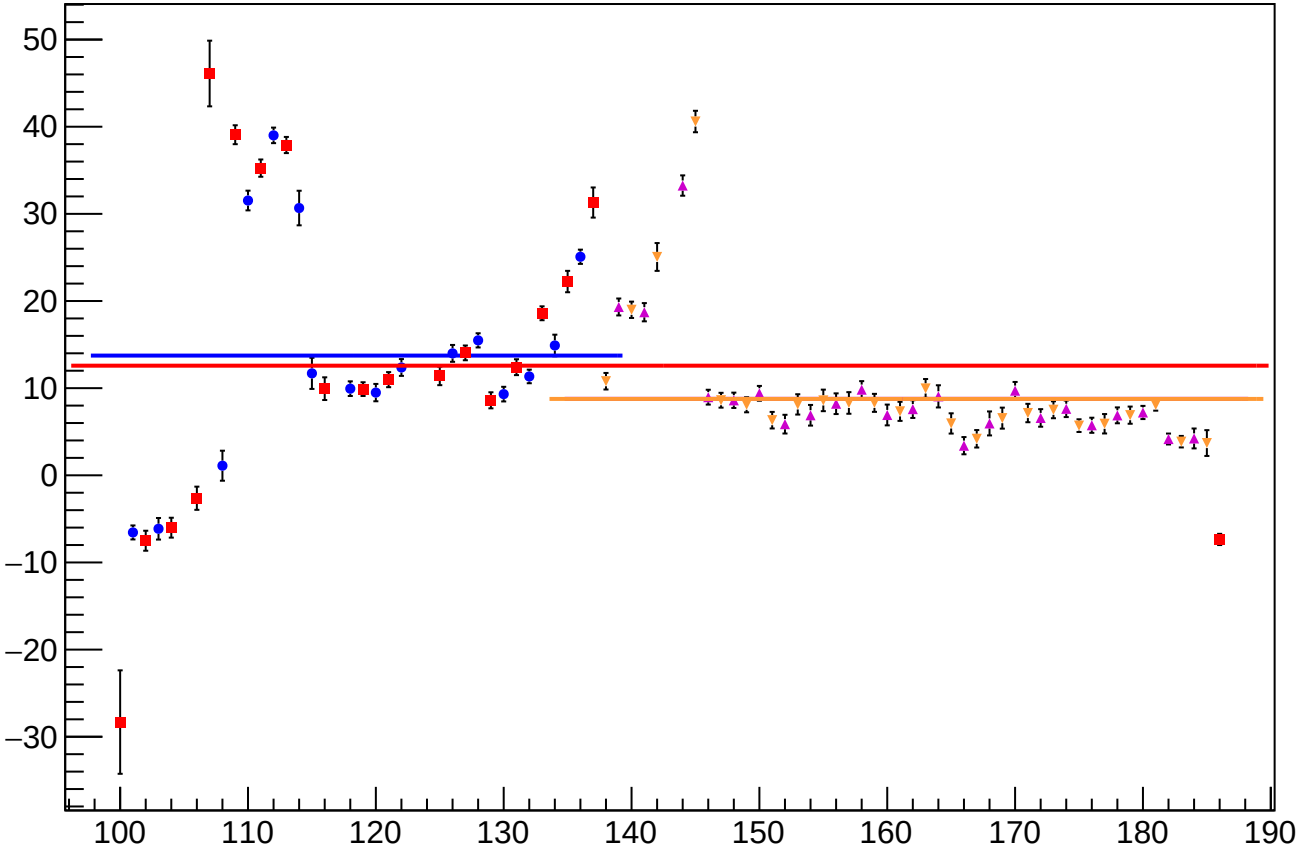
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.022+/-0.125 χ^2/NDF: 785.5/39

All: 3.026+/-0.089 χ^2/NDF: 1354.9/81

- sign 3.030+/-0.126 χ^2/NDF: 569.4/41

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 12.580+/-0.233 χ^2/NDF: 3934.8/18

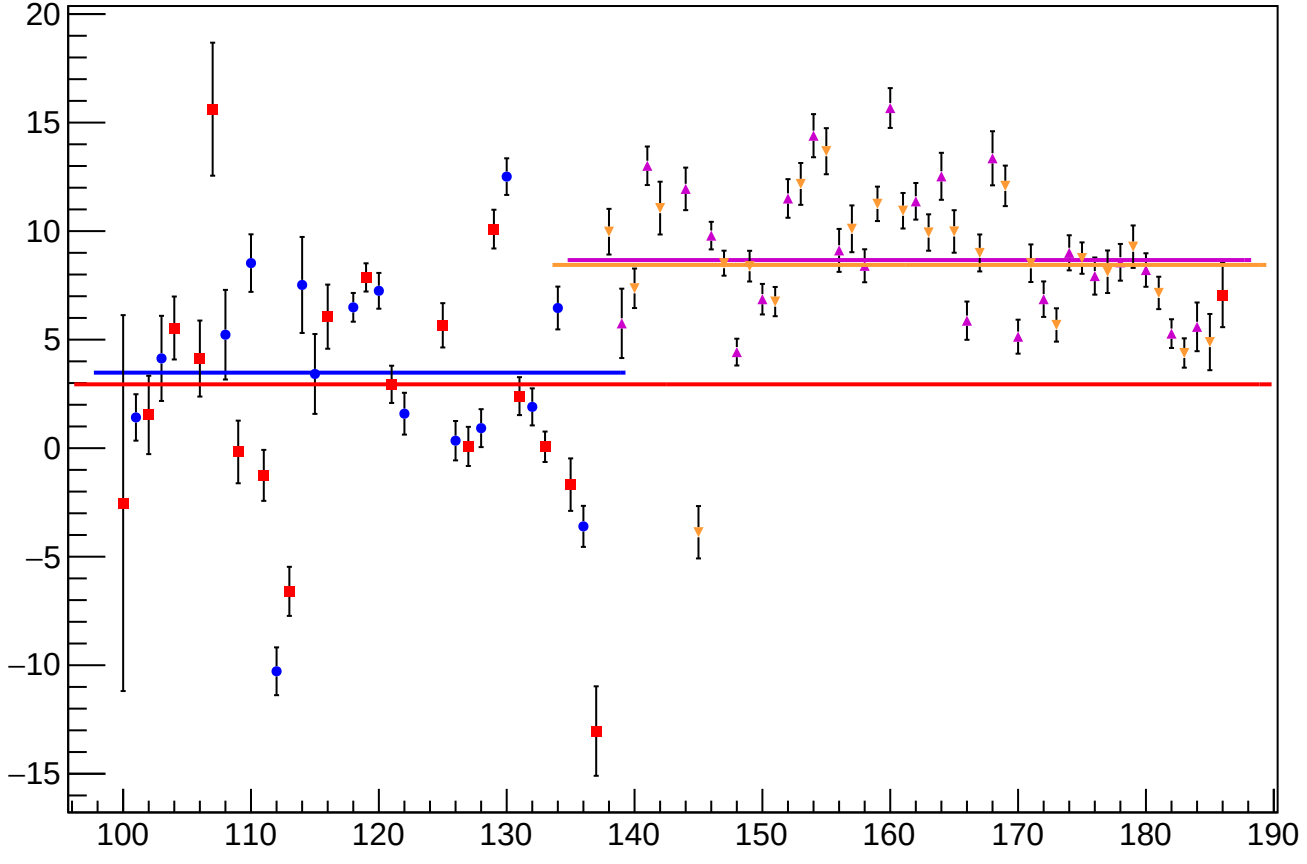
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

\+ sign 10.743+/-0.156 χ^2/NDF: 3629.9/39

All: 10.569+/-0.109 χ^2/NDF: 8514.9/81

\- sign 10.401+/-0.152 χ^2/NDF: 4882.6/41

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 2.941+/-0.253 χ^2/NDF: 353.2/18

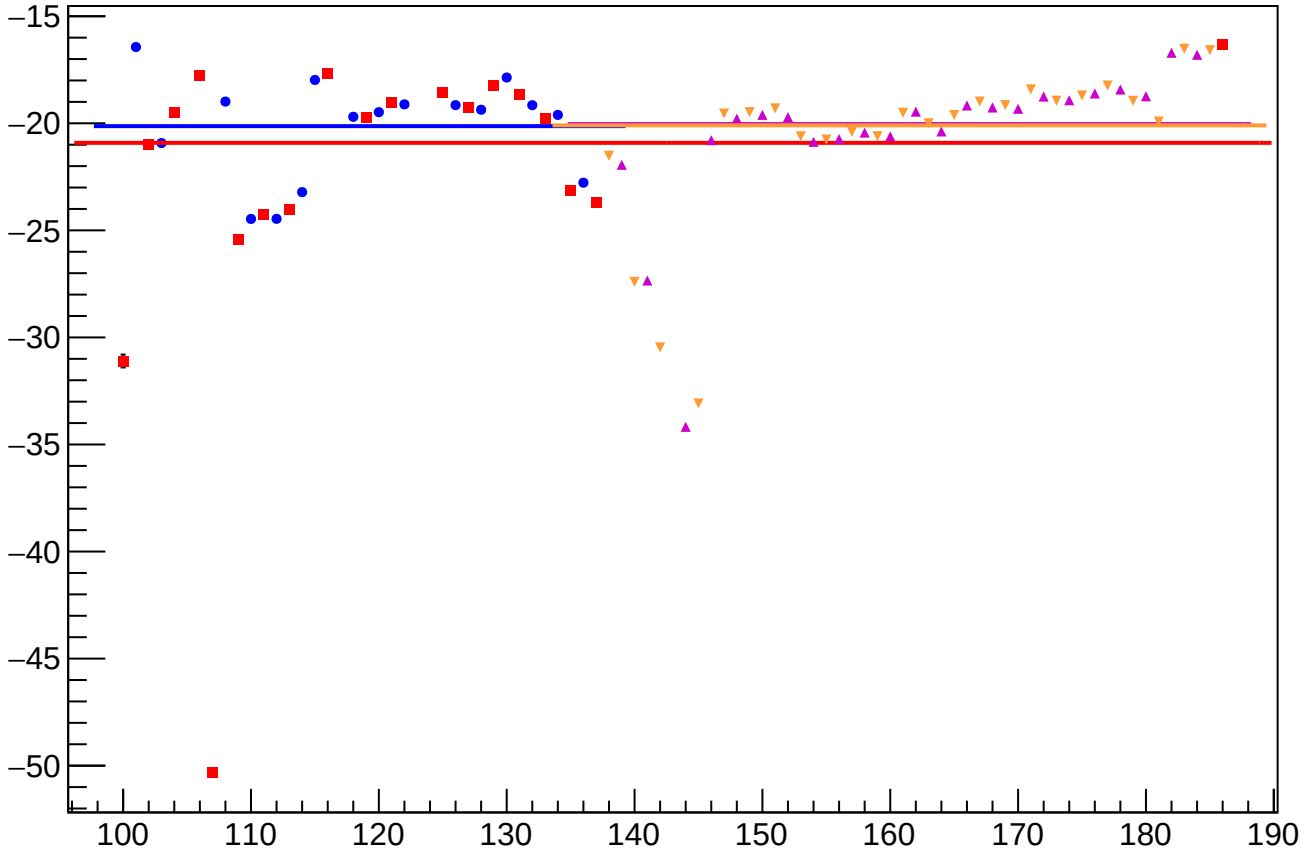
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.860+/-0.143 χ^2/NDF: 952.6/39

All: 6.834+/-0.102 χ^2/NDF: 1955.4/81

\- sign 6.809+/-0.144 χ^2/NDF: 1002.7/41

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.913+/-0.016 χ^2/NDF: 59561.0/18

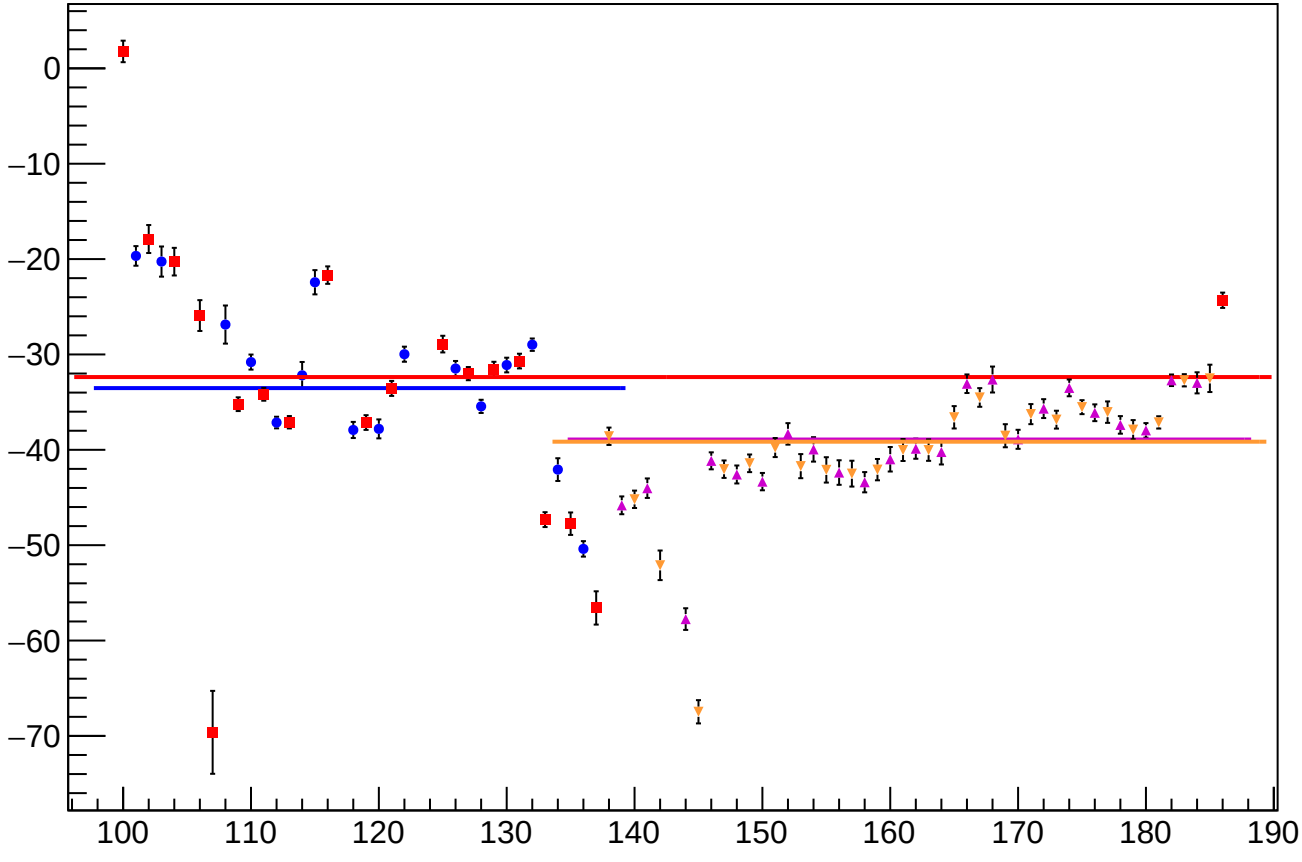
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.103+/-0.007 χ^2/NDF: 179128.5/39

All: -20.154+/-0.005 χ^2/NDF: 373433.0/81

- sign -20.205+/-0.007 χ^2/NDF: 194202.4/41

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -32.370+/-0.205 χ^2/NDF: 2277.8/18

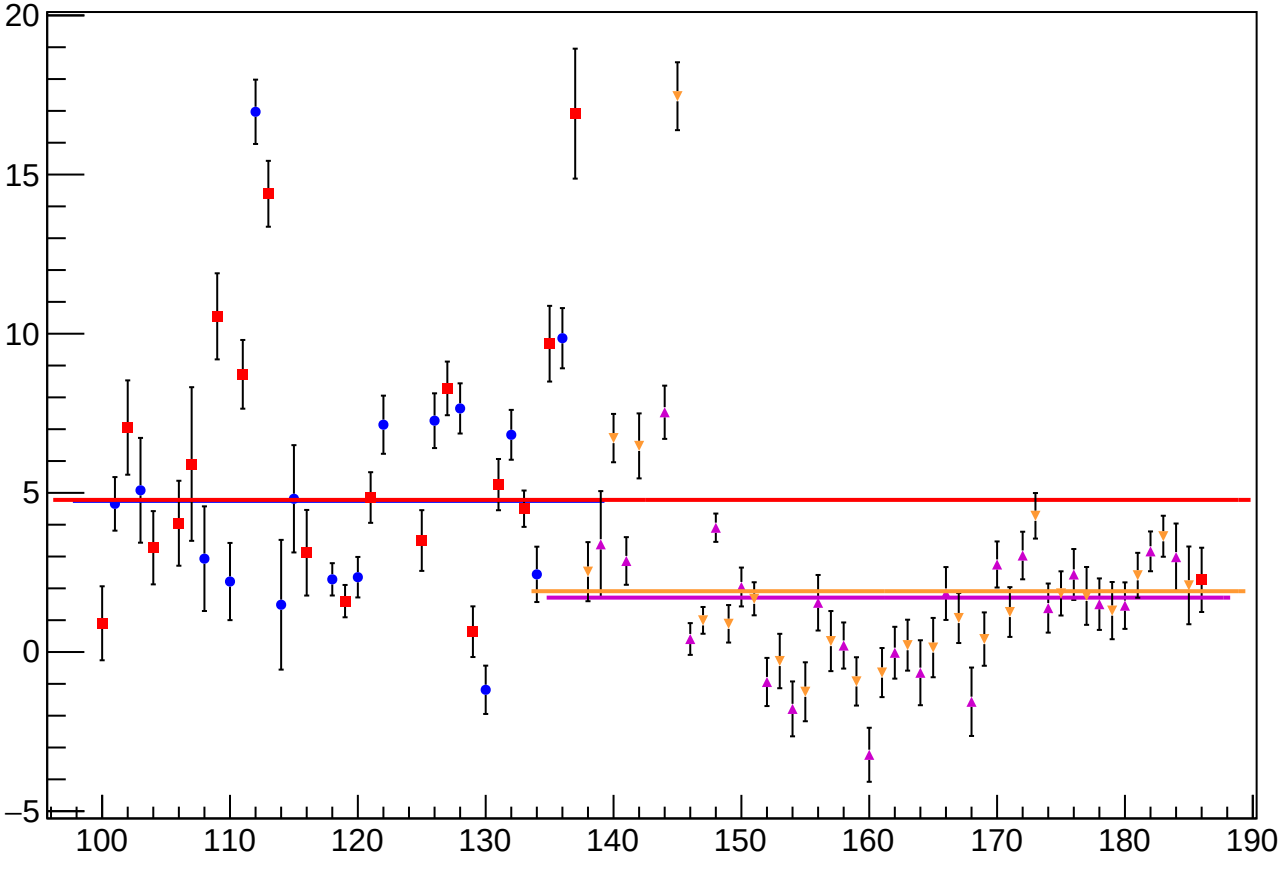
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

\+ sign -36.551+/-0.148 χ^2/NDF: 2263.5/39

All: -36.093+/-0.104 χ^2/NDF: 5758.9/81

\- sign -35.659+/-0.144 χ^2/NDF: 3476.8/41

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.779+/-0.215 χ^2/NDF: 279.5/18

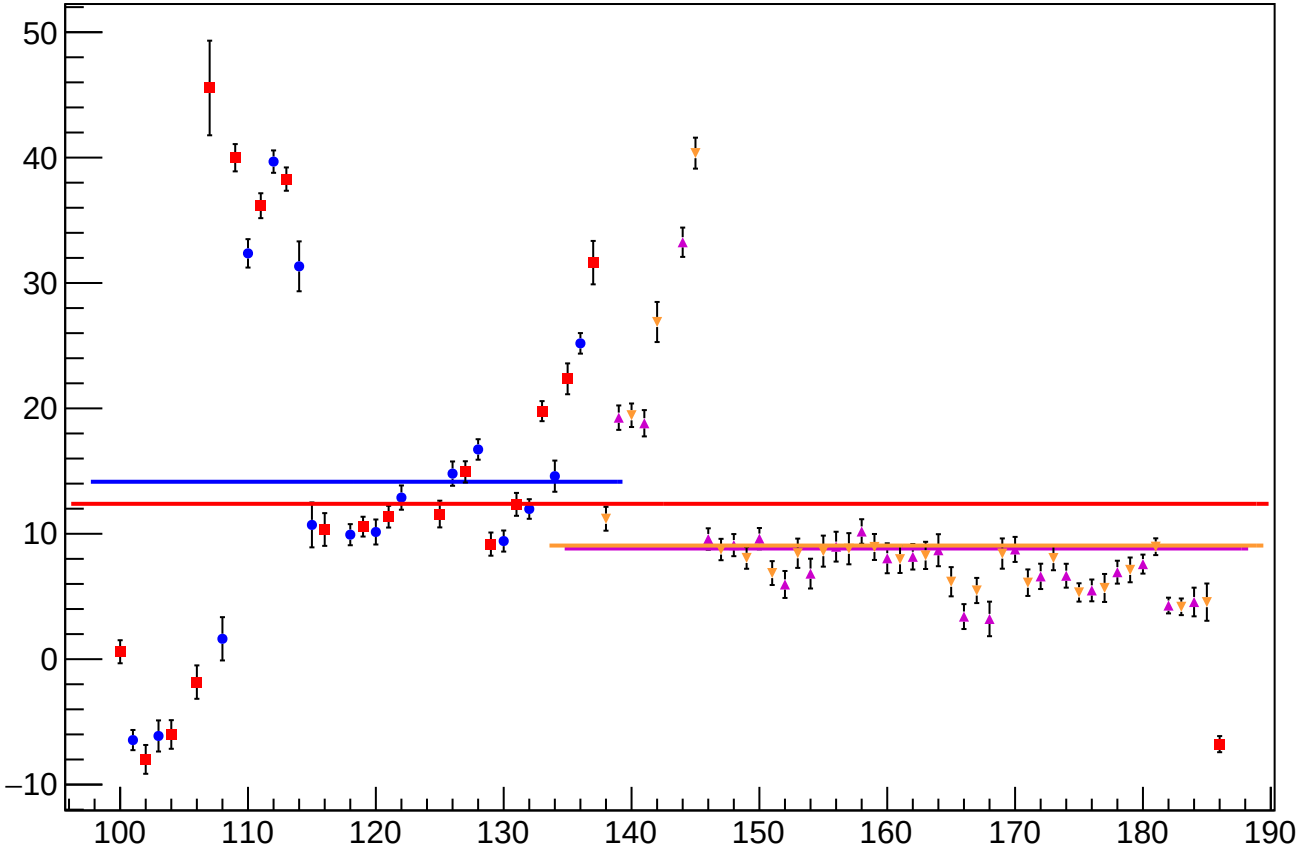
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.833+/-0.125 χ^2/NDF: 797.6/39

All: 2.797+/-0.089 χ^2/NDF: 1394.2/81

- sign 2.760+/-0.126 χ^2/NDF: 596.4/41

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 12.389+/-0.226 χ^2/NDF: 4116.2/18

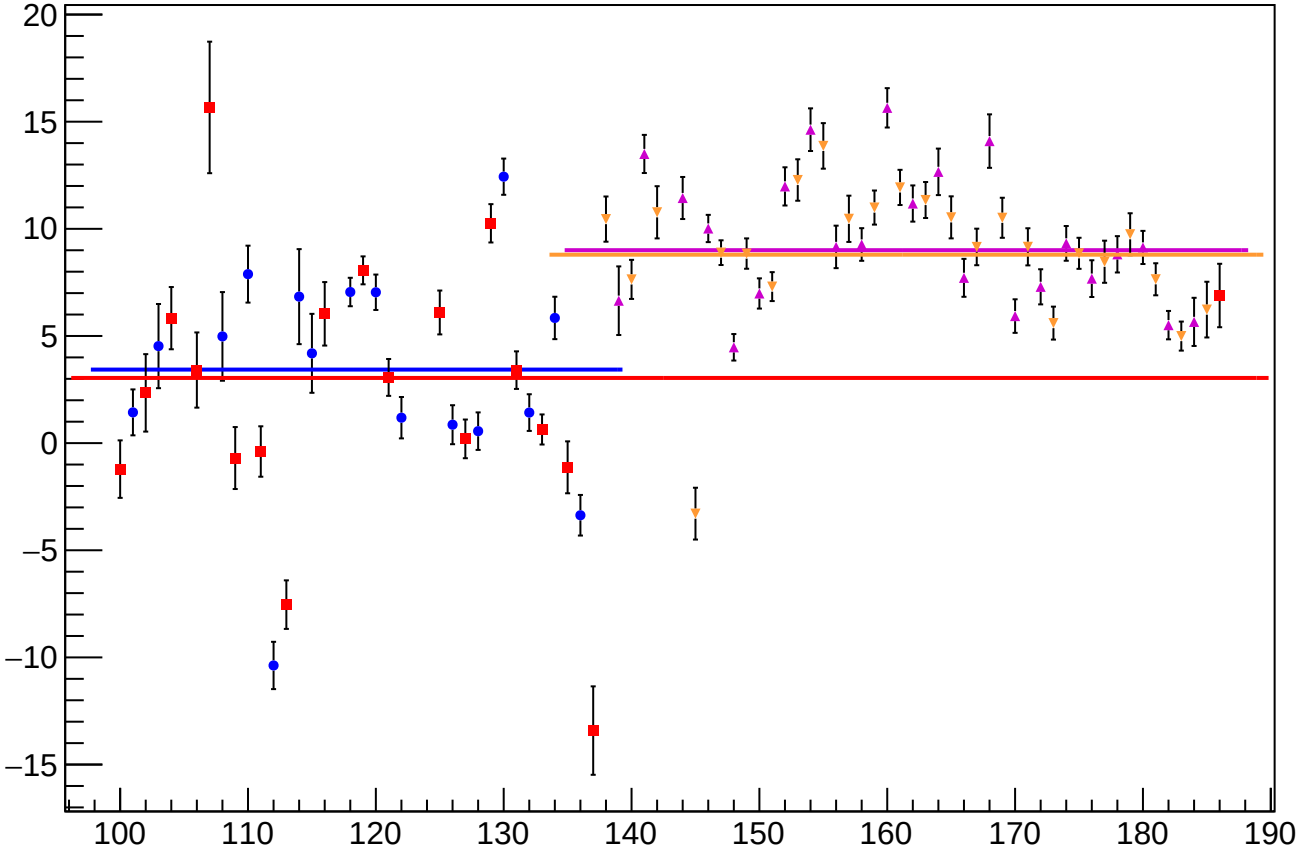
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 11.084+/-0.156 χ^2/NDF: 3690.9/39

All: 10.732+/-0.108 χ^2/NDF: 8756.4/81

- sign 10.403+/-0.151 χ^2/NDF: 5055.6/41

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.042+/-0.250 χ^2/NDF: 374.7/18

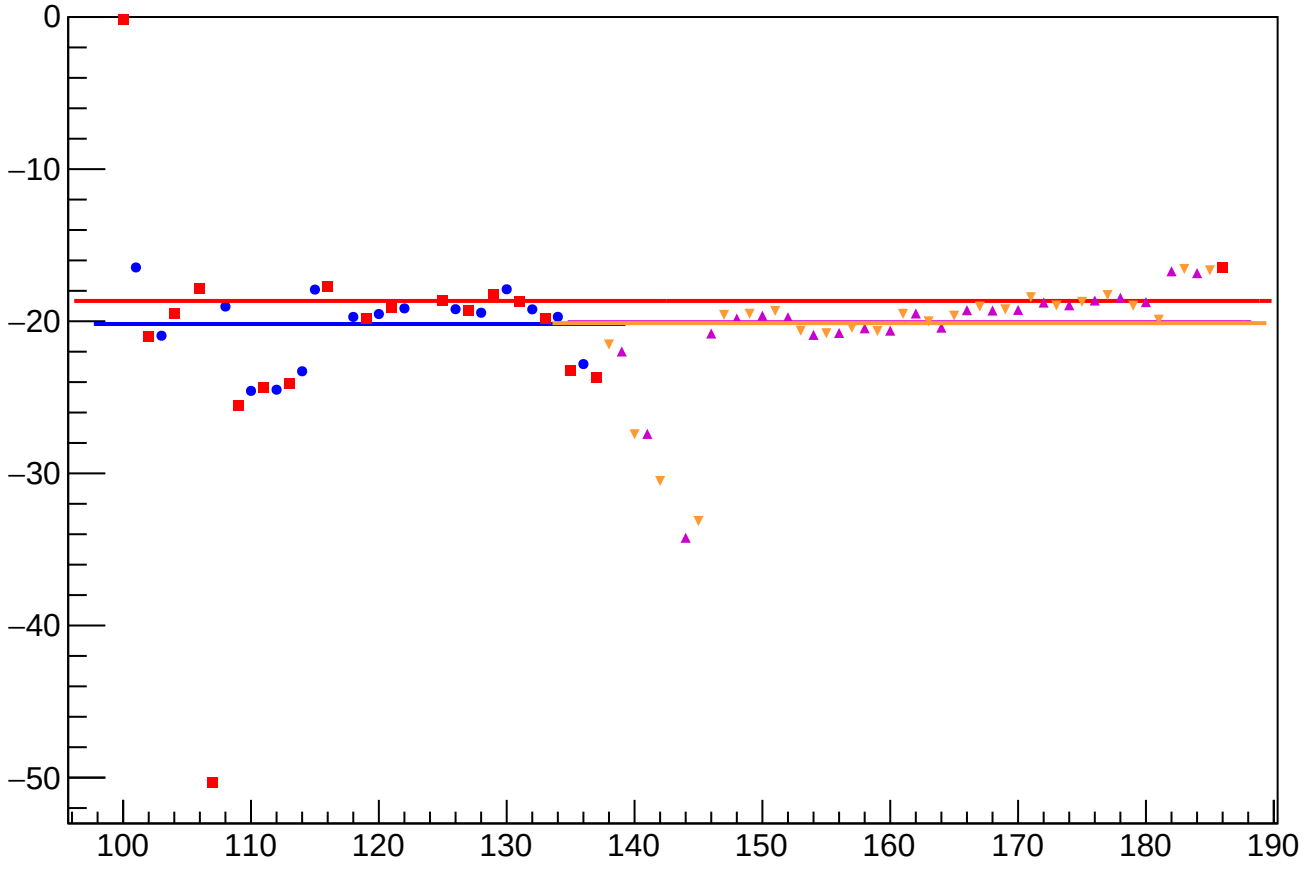
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.084+/-0.144 χ^2/NDF: 971.1/39

All: 7.055+/-0.102 χ^2/NDF: 2016.4/81

- sign 7.025+/-0.144 χ^2/NDF: 1045.2/41

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -18.663+/-0.015 χ^2/NDF: 235145.1/18

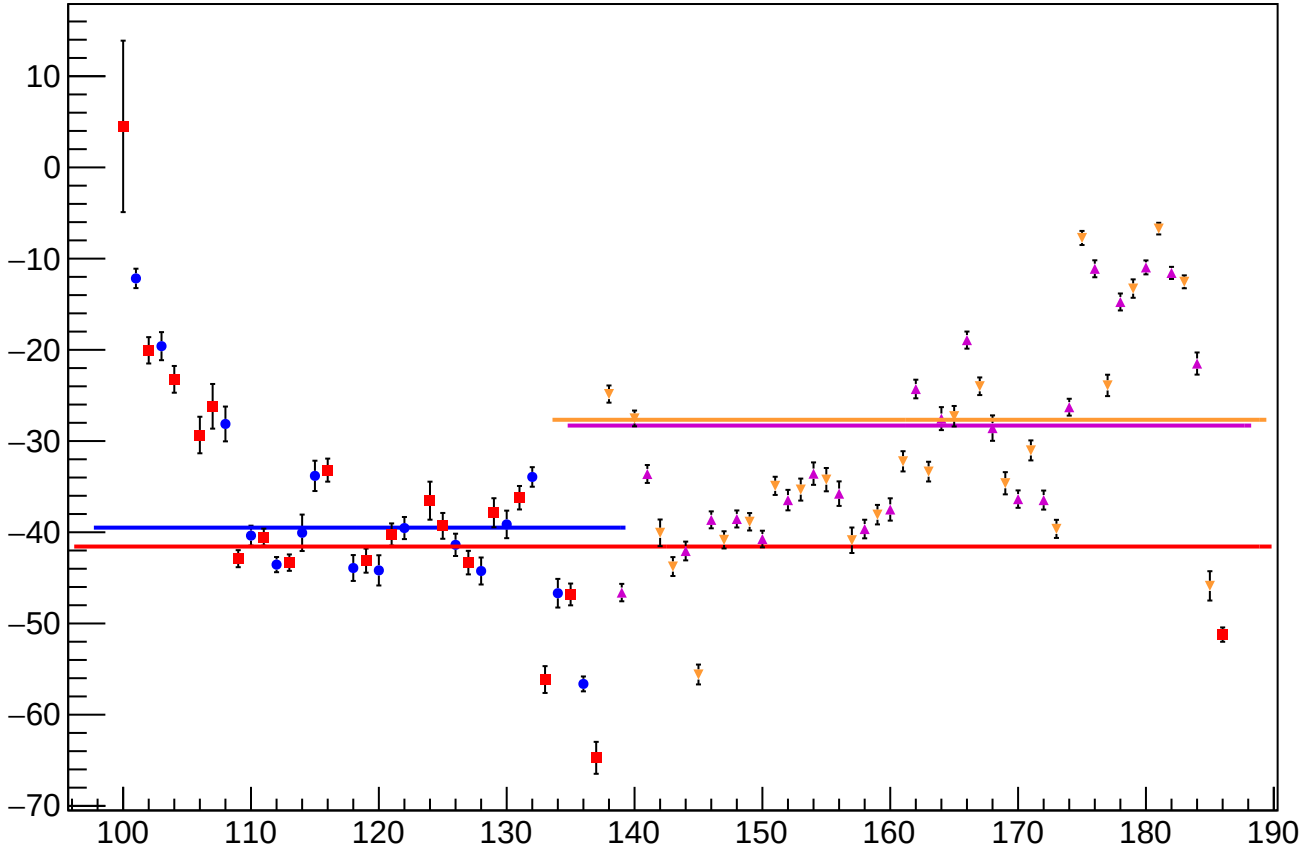
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.135+/-0.007 χ^2/NDF: 178445.8/39

All: -19.950+/-0.005 χ^2/NDF: 554149.1/81

- sign -19.771+/-0.007 χ^2/NDF: 374380.0/41

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -41.565+/-0.286 χ^2/NDF: 1009.0/19

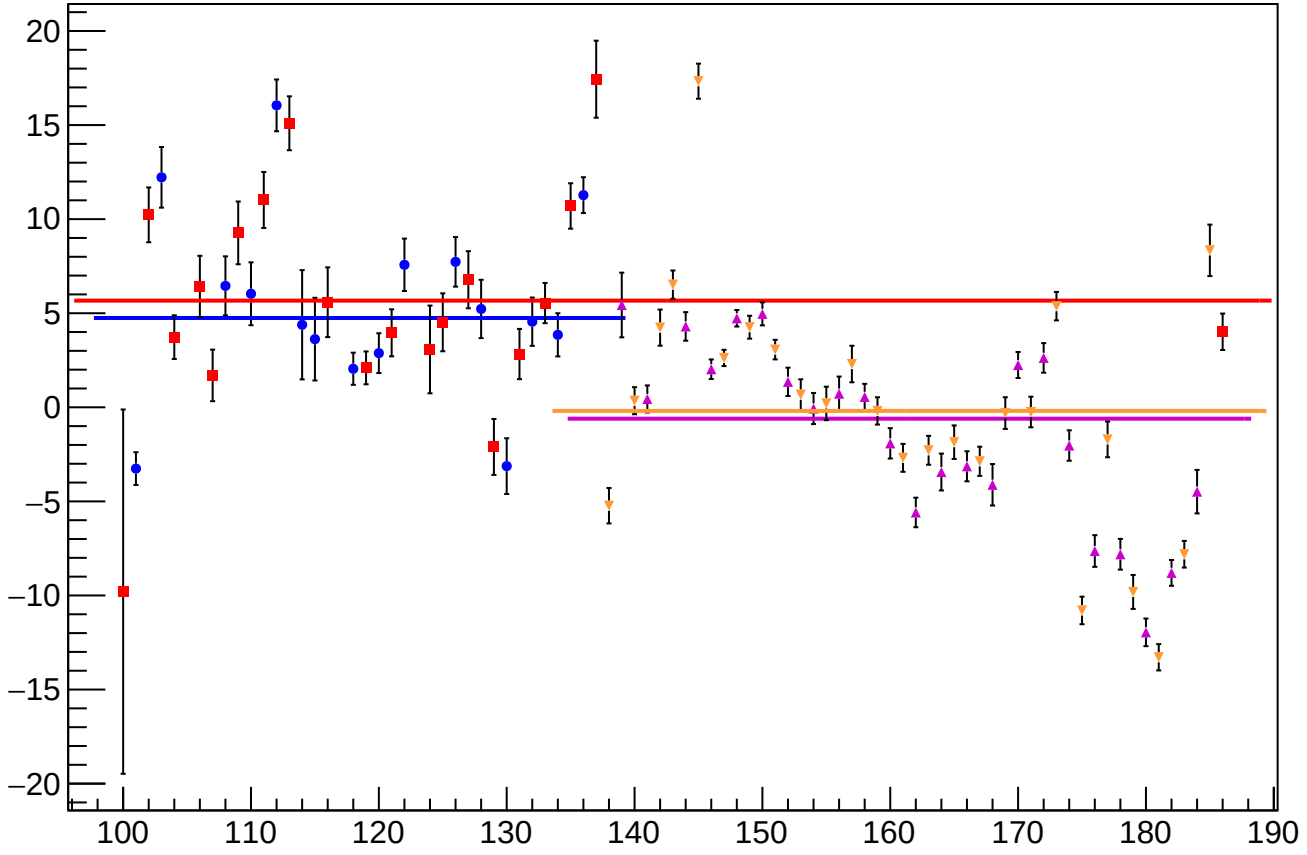
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -31.144+/-0.168 χ^2/NDF: 6836.9/40

All: -31.992+/-0.119 χ^2/NDF: 12586.4/83

- sign -32.826+/-0.167 χ^2/NDF: 5699.3/42

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.669+/-0.307 χ^2/NDF: 190.9/19

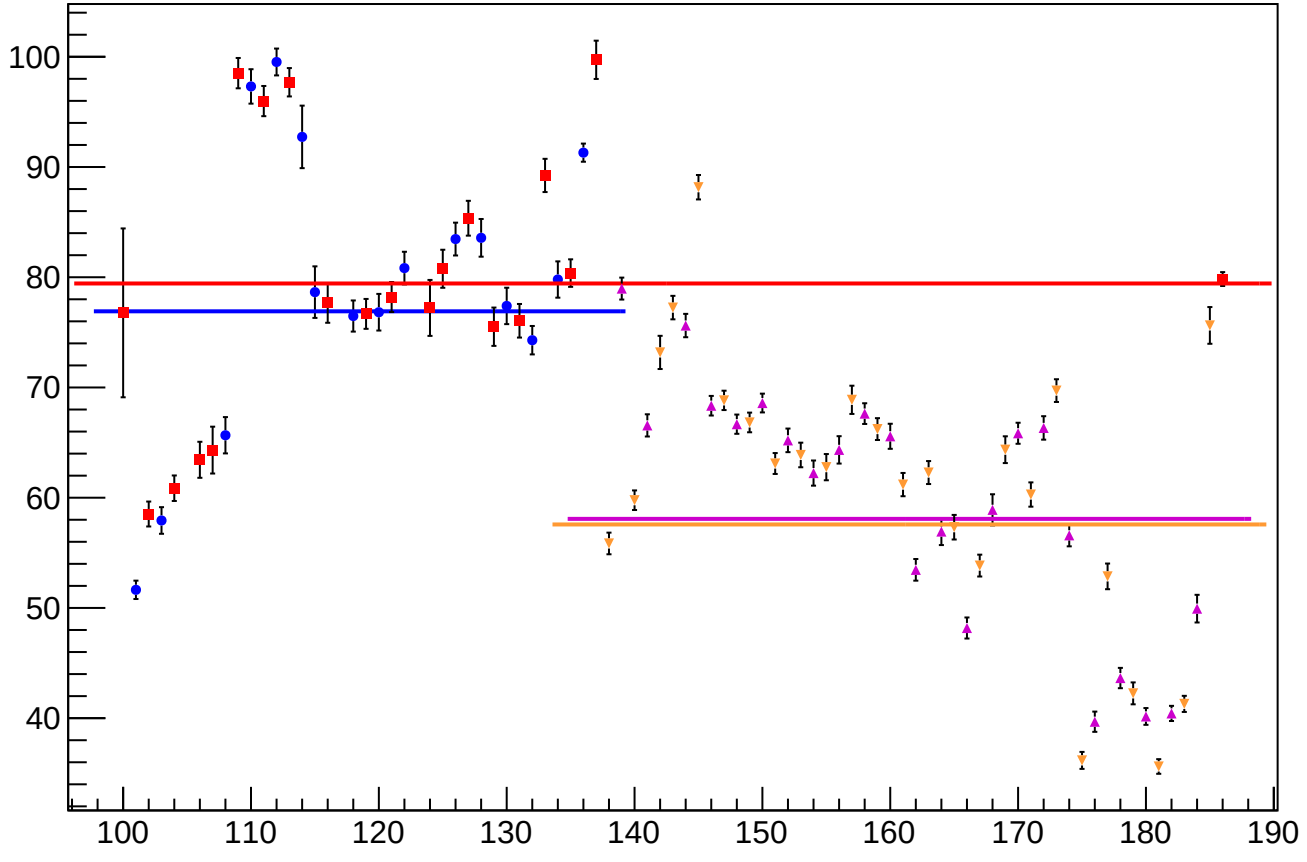
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 0.718+/-0.136 χ^2/NDF: 2018.5/40

All: 0.695+/-0.097 χ^2/NDF: 3516.4/83

- sign 0.671+/-0.138 χ^2/NDF: 1497.8/42

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 79.434+/-0.304 χ^2/NDF: 1496.9/19

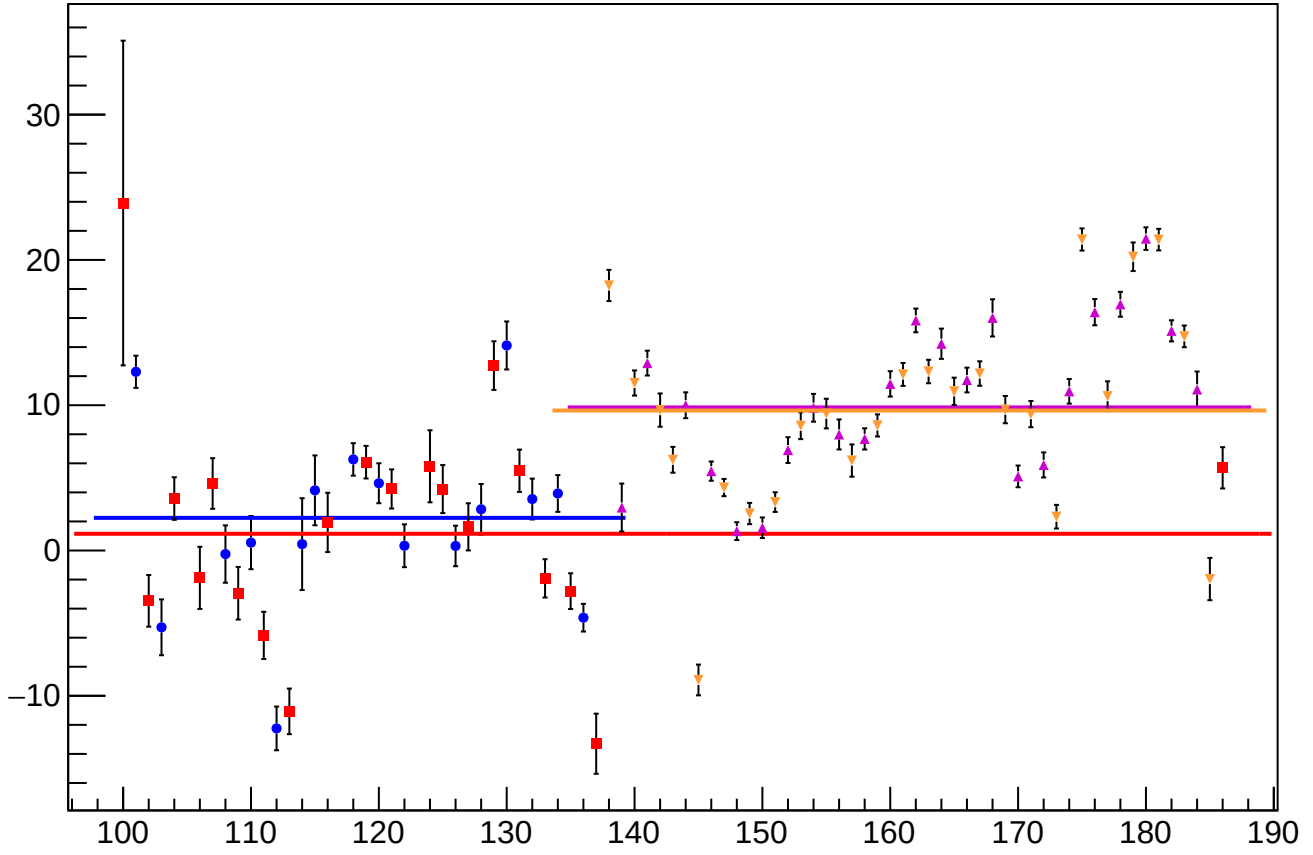
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

\+ sign 62.574+/-0.171 χ^2/NDF: 9244.1/40

All: 63.640+/-0.120 χ^2/NDF: 17779.4/83

\- sign 64.678+/-0.169 χ^2/NDF: 8459.0/42

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.151+/-0.360 χ^2/NDF: 267.1/19

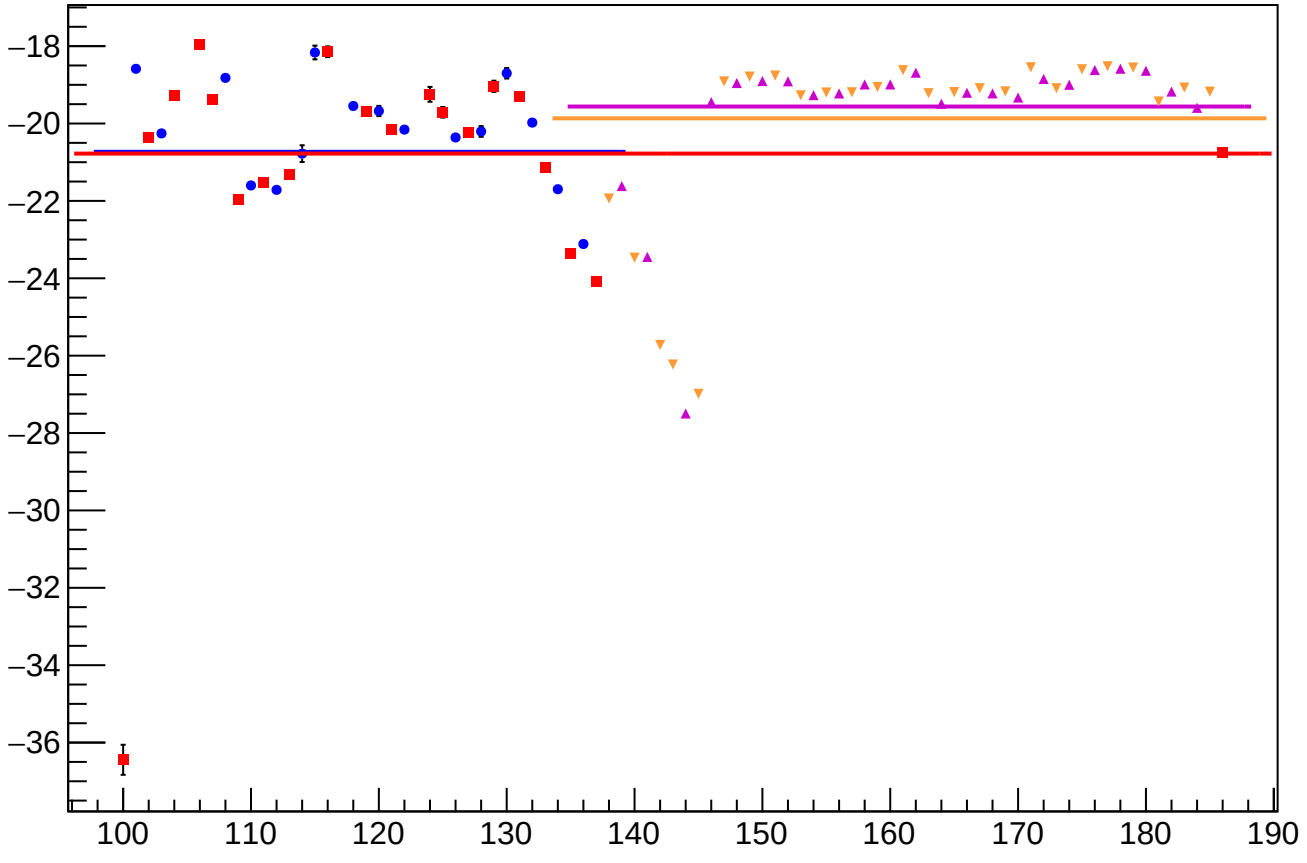
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 8.289+/-0.155 χ^2/NDF: 2149.8/40

All: 8.229+/-0.111 χ^2/NDF: 3881.1/83

- sign 8.166+/-0.158 χ^2/NDF: 1731.0/42

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.777+/-0.020 χ^2/NDF: 9426.7/19

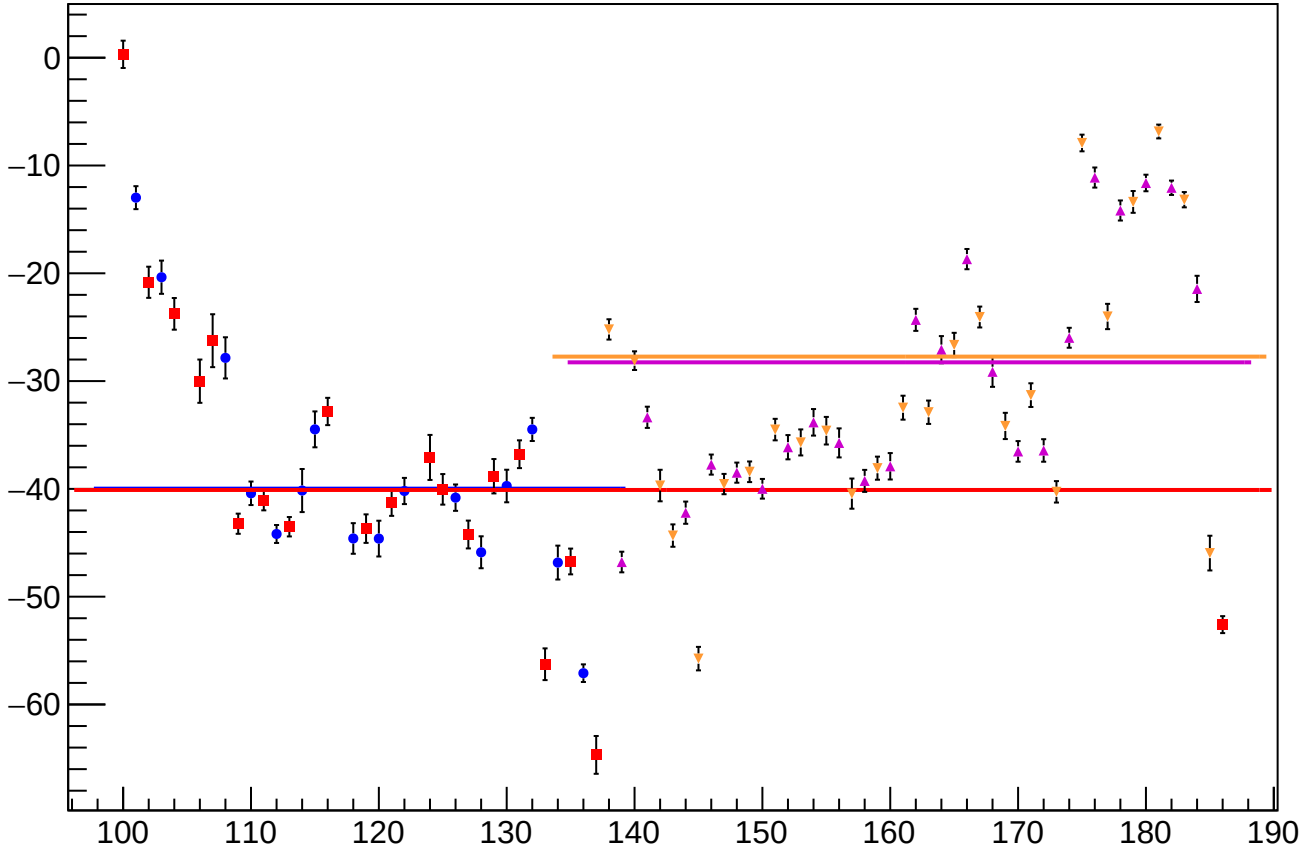
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -19.988+/-0.007 χ^2/NDF: 88238.5/40

All: -19.861+/-0.005 χ^2/NDF: 146699.5/83

- sign -19.731+/-0.007 χ^2/NDF: 57844.8/42

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -40.101+/-0.280 χ^2/NDF: 2062.4/19

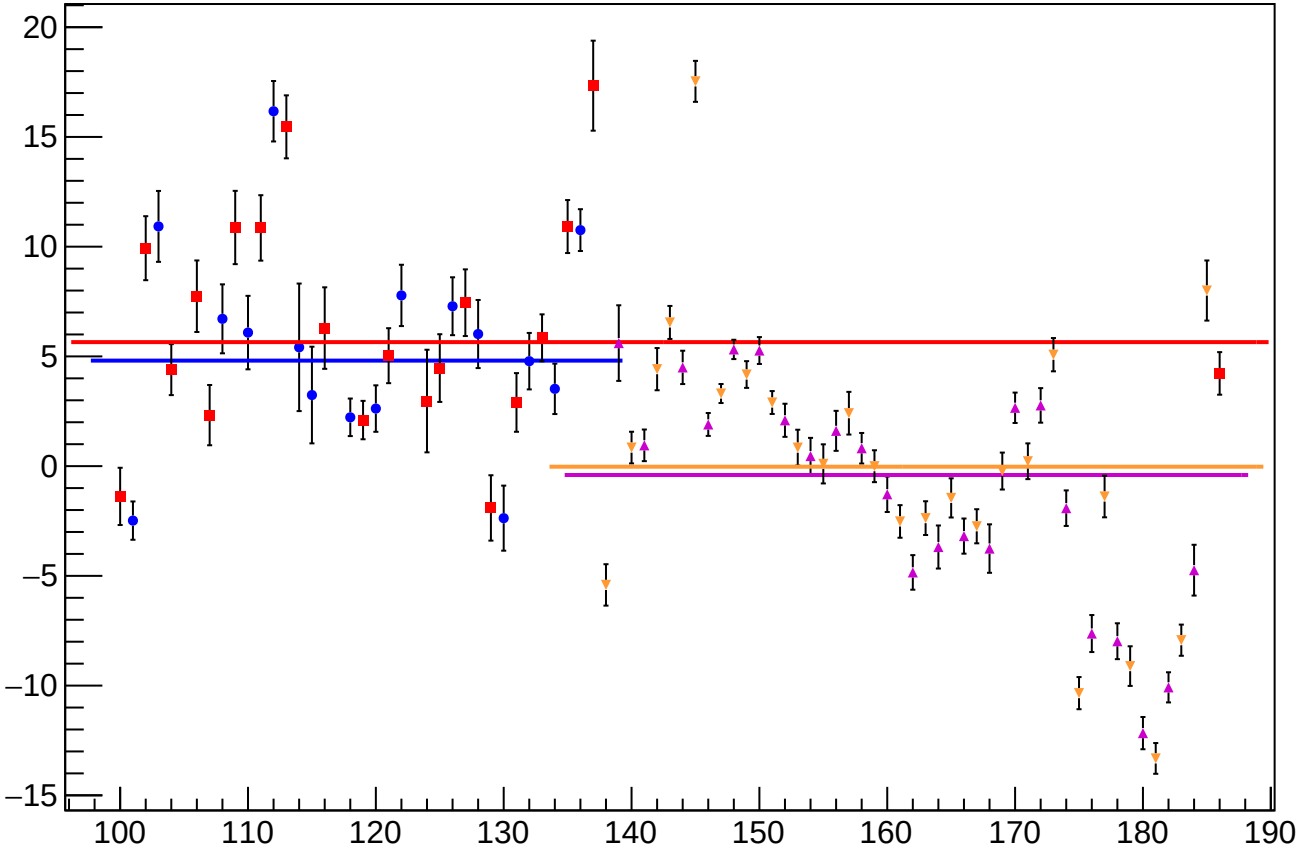
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -31.331+/-0.169 χ^2/NDF: 6792.8/40

All: -31.890+/-0.118 χ^2/NDF: 13211.5/83

- sign -32.431+/-0.166 χ^2/NDF: 6397.0/42

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.651+/-0.300 χ^2/NDF: 218.8/19

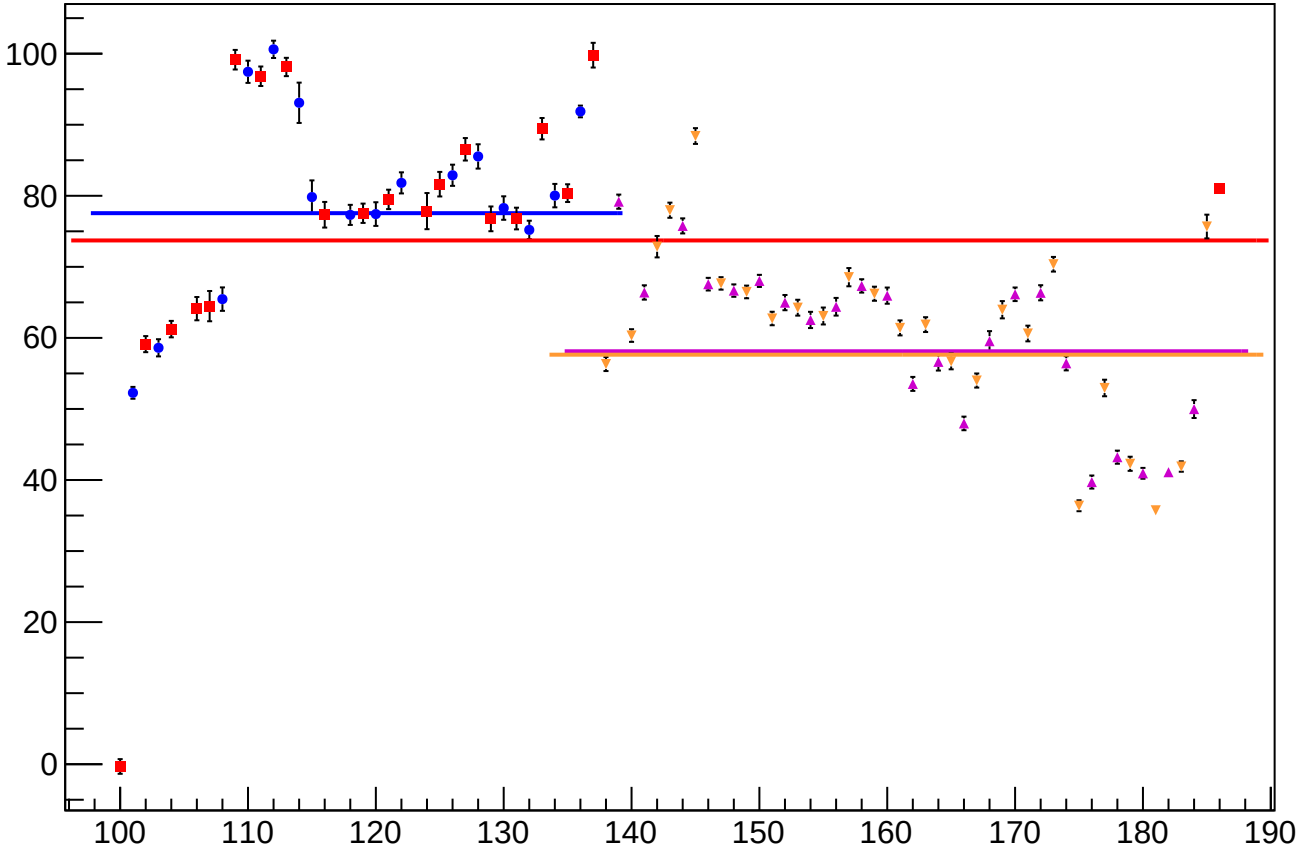
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 0.864+/-0.136 χ^2/NDF: 1962.7/40

All: 0.872+/-0.097 χ^2/NDF: 3587.4/83

- sign 0.880+/-0.138 χ^2/NDF: 1624.7/42

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 73.714+/-0.292 χ^2/NDF: 7075.4/19

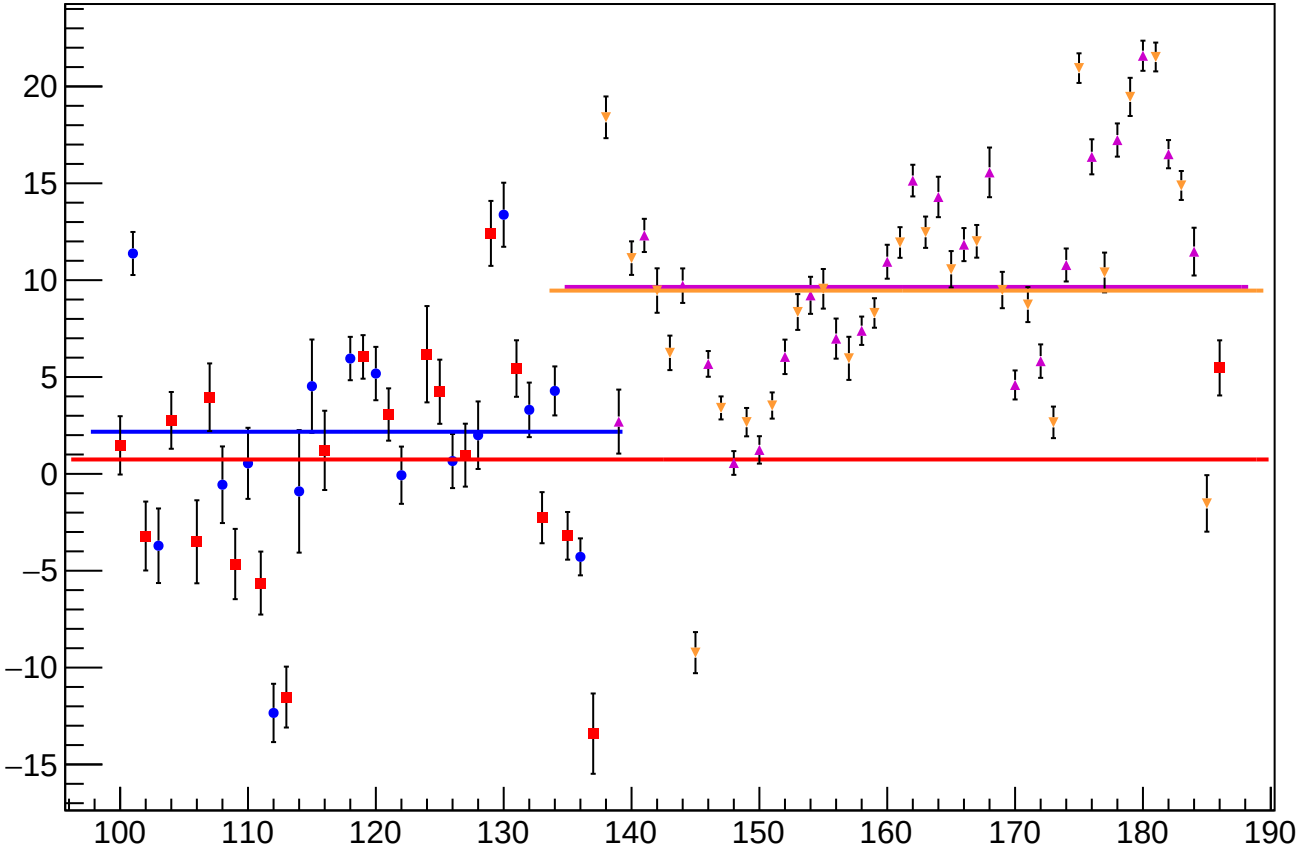
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

\+ sign 62.789+/-0.172 χ^2/NDF: 9314.3/40

All: 63.008+/-0.120 χ^2/NDF: 21750.7/83

\- sign 63.216+/-0.167 χ^2/NDF: 12433.2/42

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.743+/-0.351 χ^2/NDF: 265.9/19

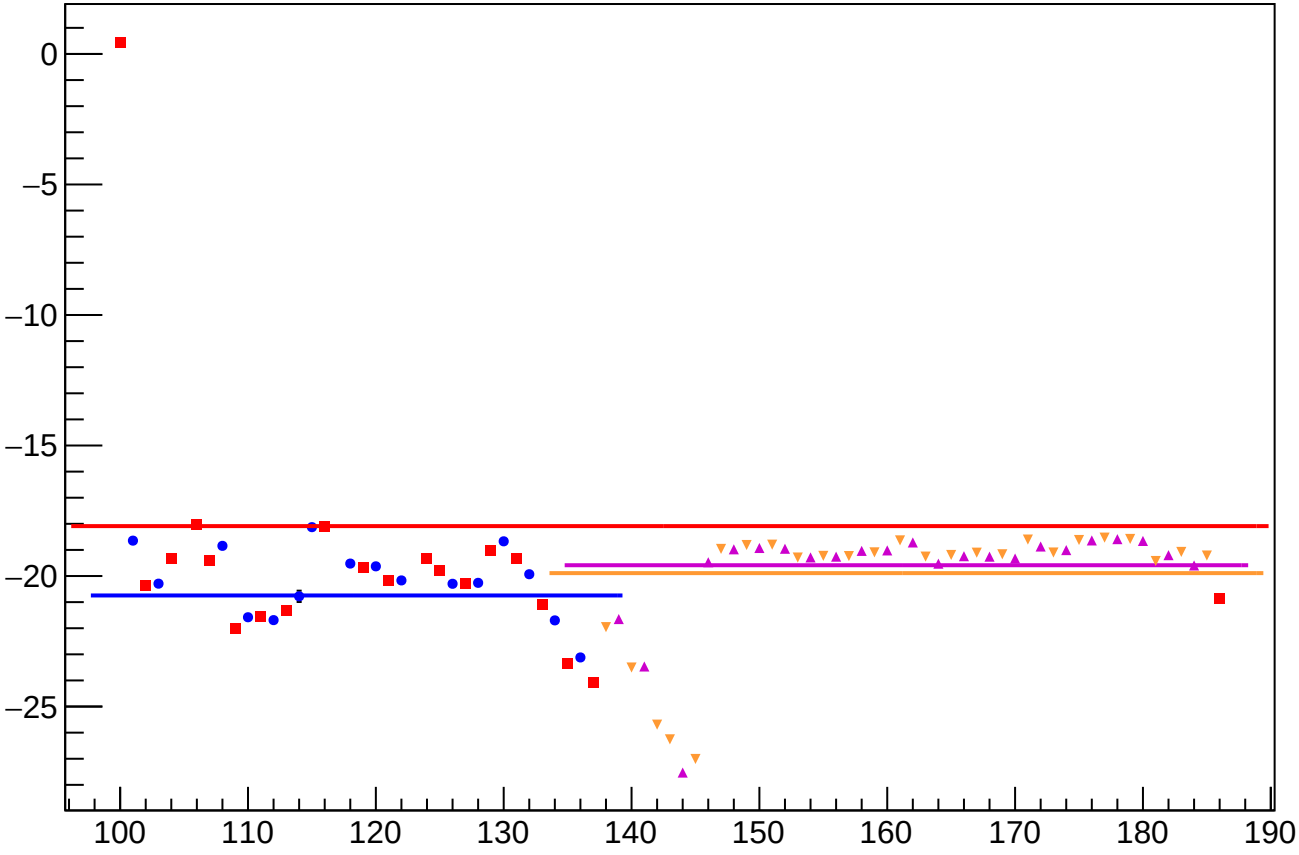
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 8.133+/-0.155 χ^2/NDF: 2101.8/40

All: 7.993+/-0.111 χ^2/NDF: 3962.3/83

- sign 7.849+/-0.158 χ^2/NDF: 1858.8/42

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -18.088+/-0.019 χ^2/NDF: 151344.8/19

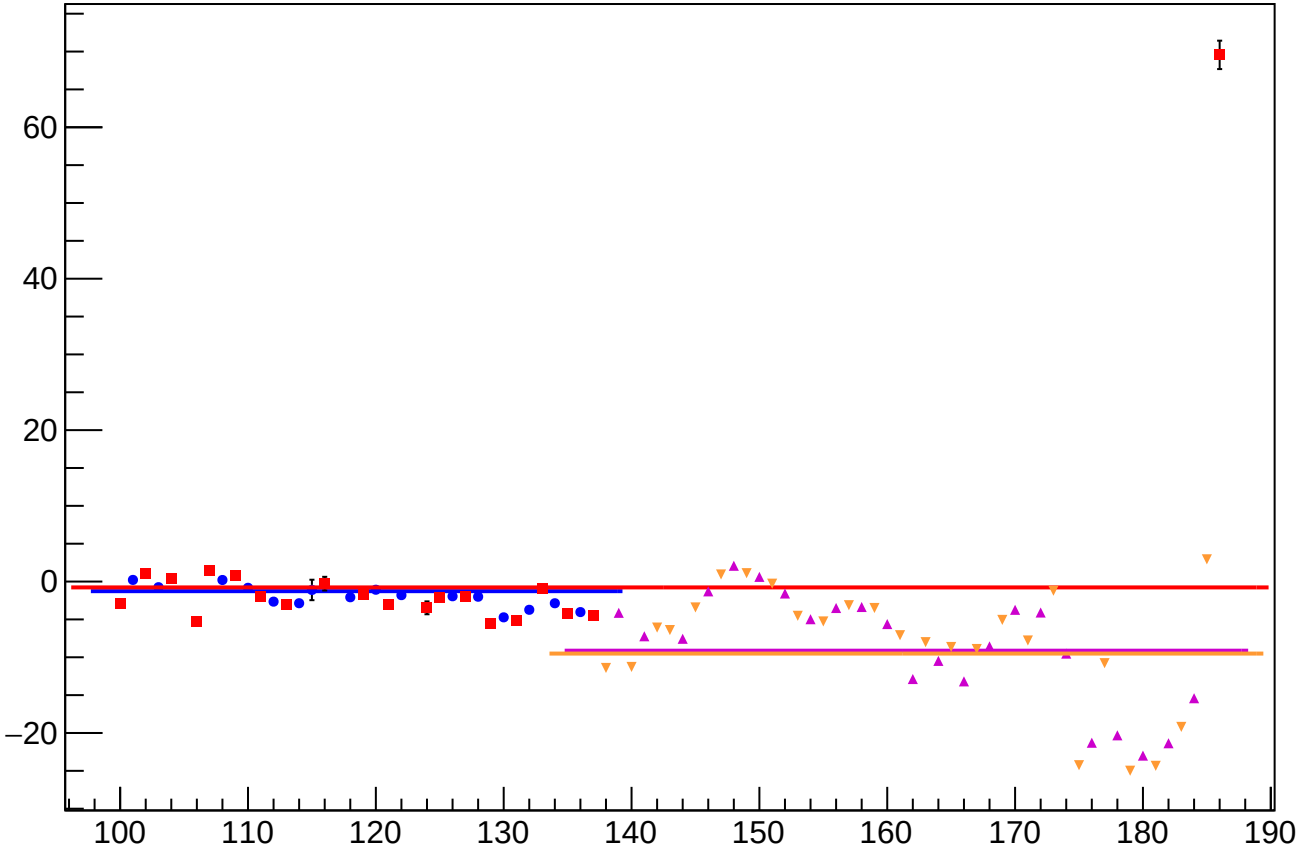
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.009+/-0.007 χ^2/NDF: 87689.4/40

All: -19.682+/-0.005 χ^2/NDF: 293647.7/83

- sign -19.353+/-0.007 χ^2/NDF: 201931.7/42

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -0.773+/-0.051 χ^2/NDF: 2790.5/19

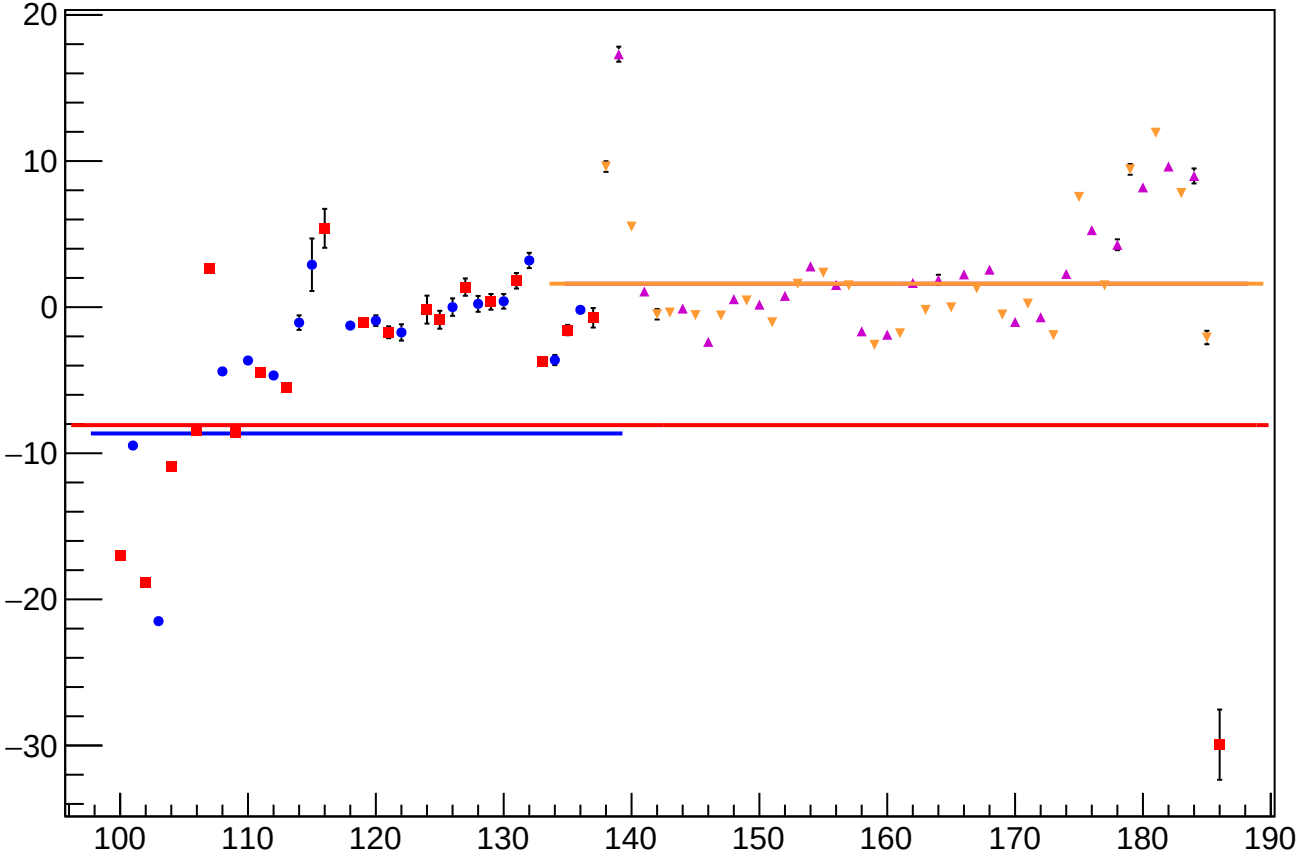
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.240+/-0.044 χ^2/NDF: 21768.4/40

All: -3.820+/-0.030 χ^2/NDF: 43654.6/83

- sign -3.428+/-0.042 χ^2/NDF: 21706.8/42

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

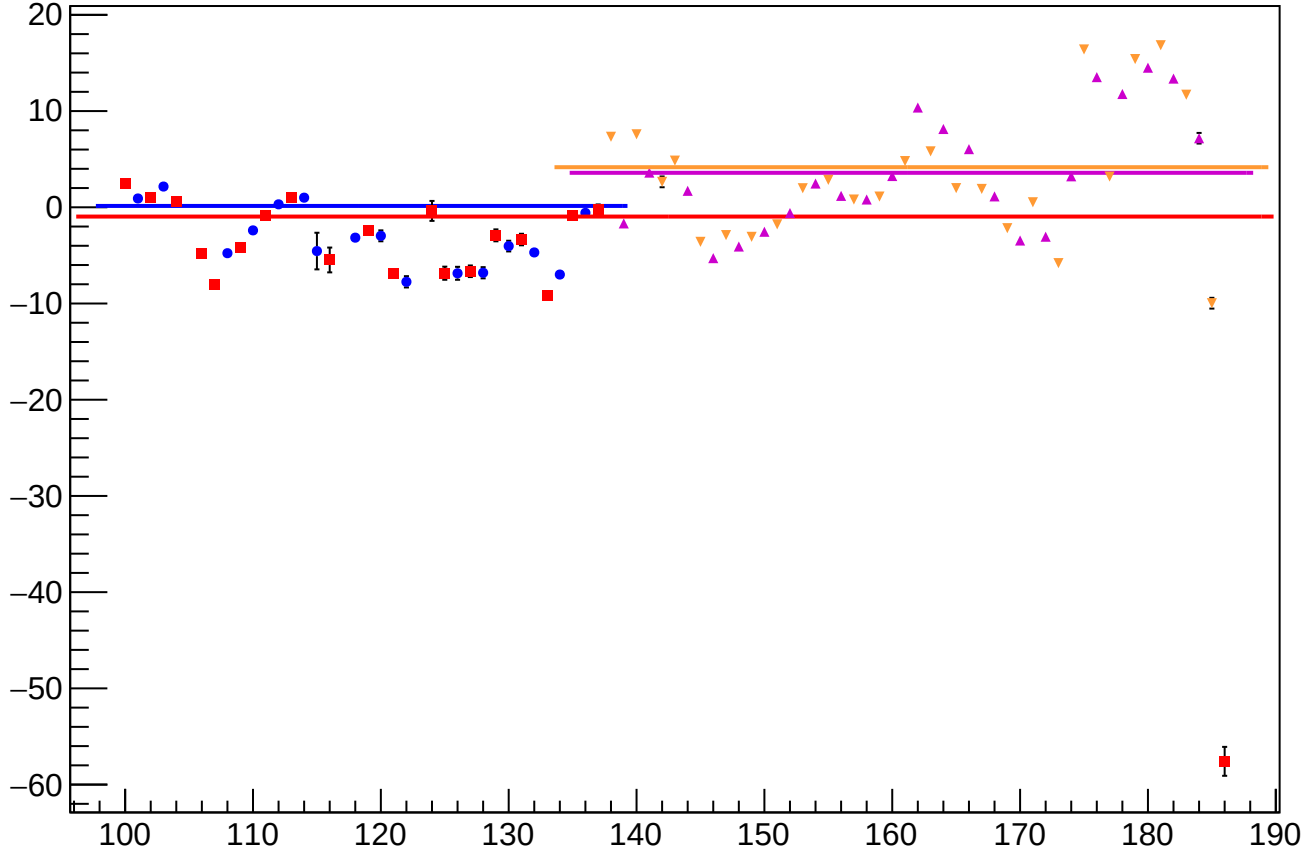
Right Out: -8.075+/-0.057 χ^2/NDF: 14510.7/19

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -3.359+/-0.040 χ^2/NDF: 35220.2/40

All: -3.306+/-0.028 χ^2/NDF: 67522.7/83

- sign -3.251+/-0.041 χ^2/NDF: 32298.9/42



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.963+/-0.054 χ^2/NDF: 4406.3/19

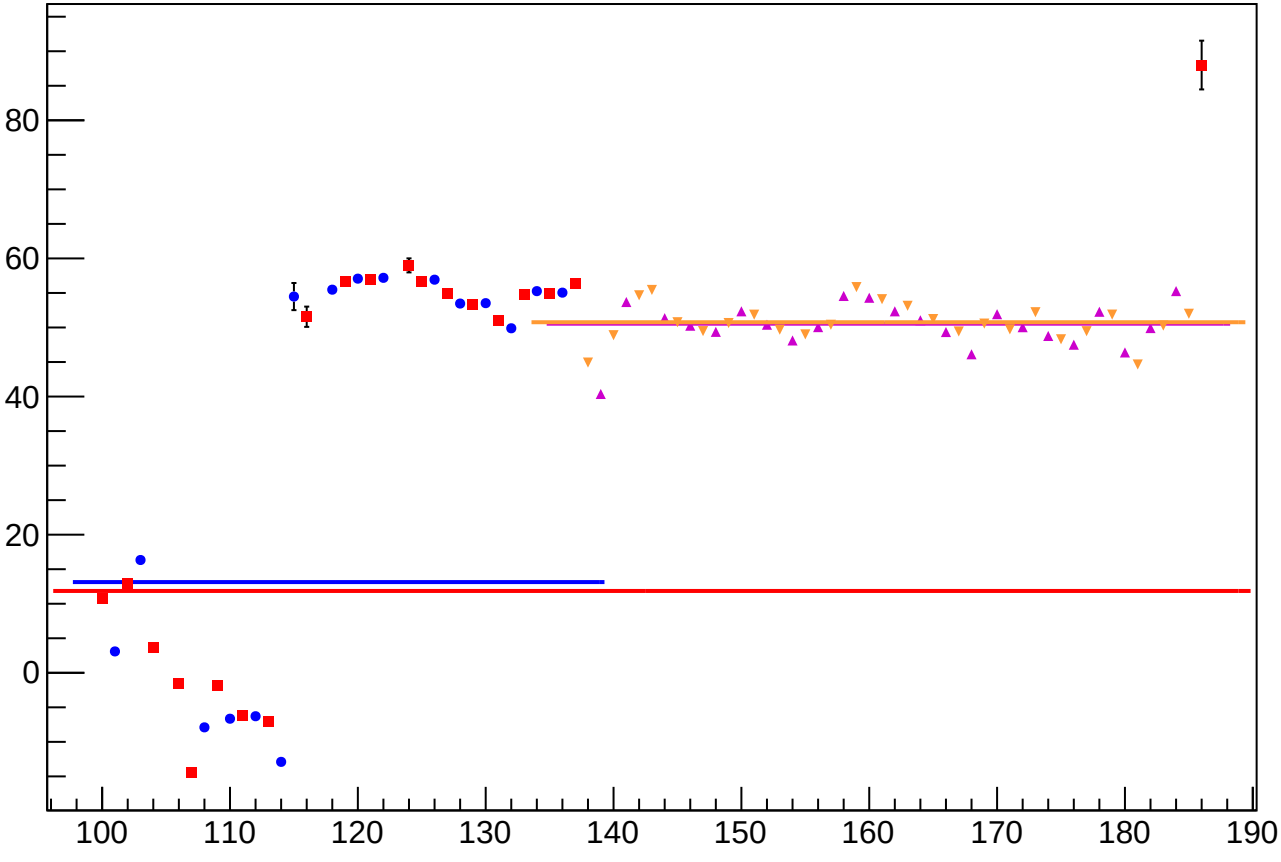
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.552+/-0.043 χ^2/NDF: 13231.3/40

All: 1.085+/-0.030 χ^2/NDF: 27588.3/83

- sign 0.602+/-0.043 χ^2/NDF: 14113.8/42

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 11.851+/-0.068 χ^2/NDF: 118634.1/19

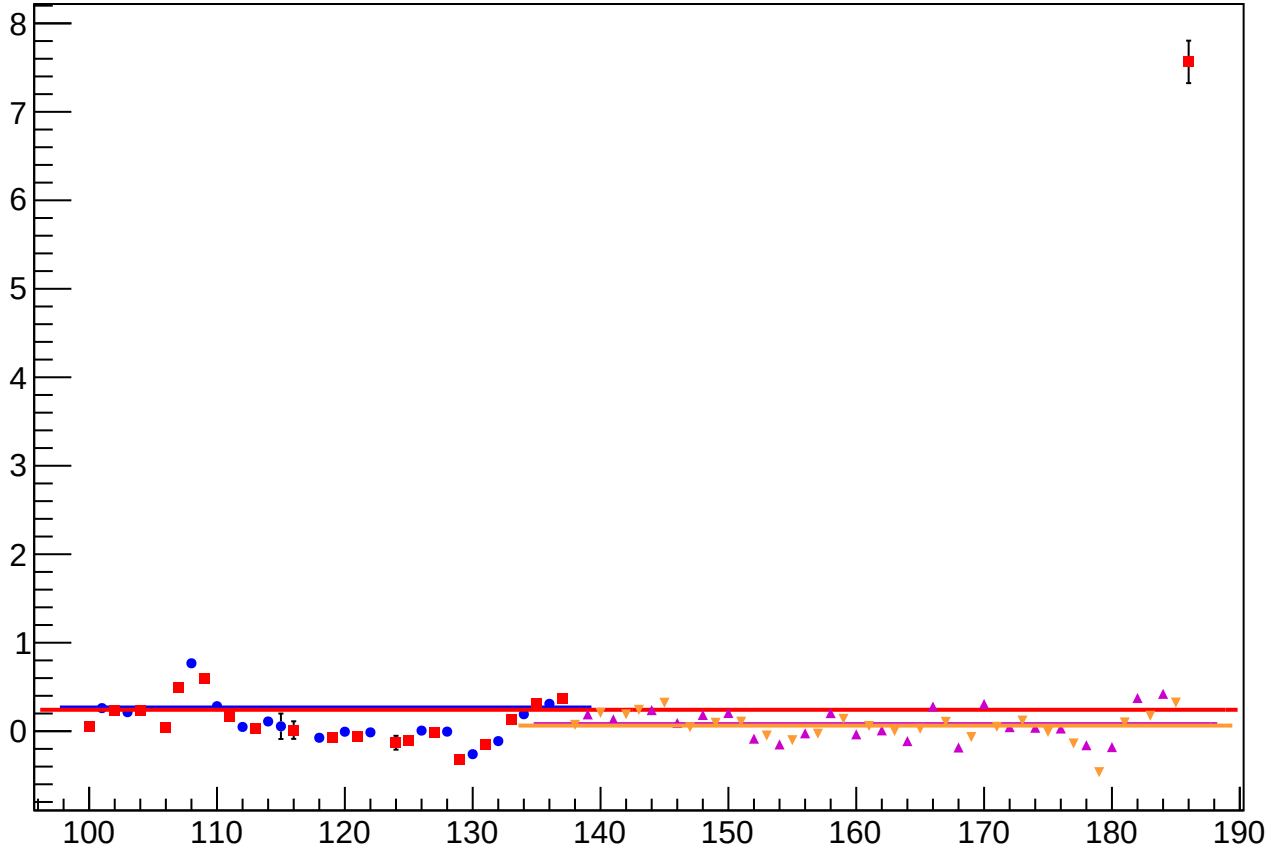
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

\+ sign 33.534+/-0.046 χ^2/NDF: 276578.4/40

All: 32.828+/-0.033 χ^2/NDF: 567665.5/83

\- 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: 3720.4/15

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

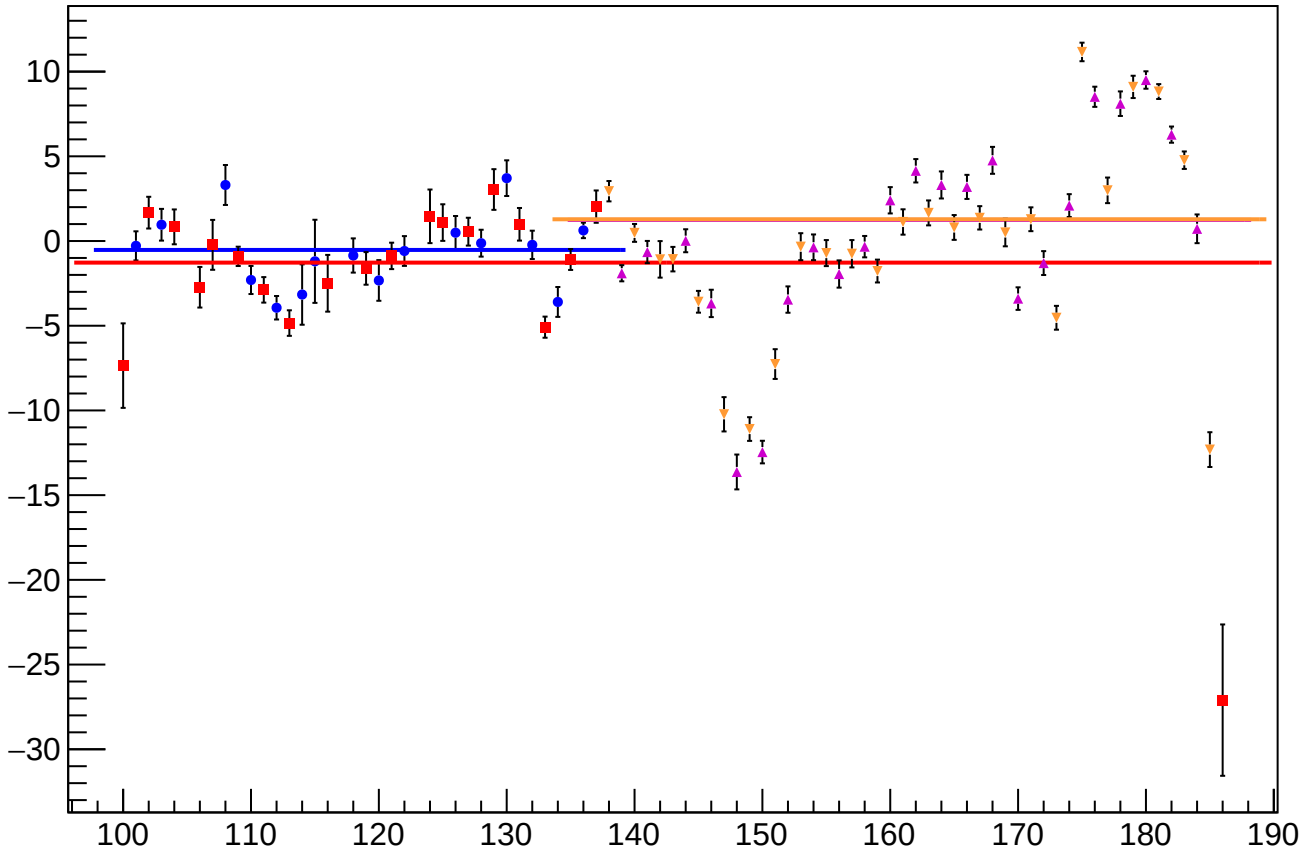
Right Out: 0.242+/-0.003 χ^2/NDF: 3270.9/19

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.165+/-0.002 χ^2/NDF: 8963.9/40

All: 0.164+/-0.001 χ^2/NDF: 17376.7/83

- sign 0.163+/-0.002 χ^2/NDF: 8412.1/42



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.275+/-0.204 χ^2/NDF: 164.4/19

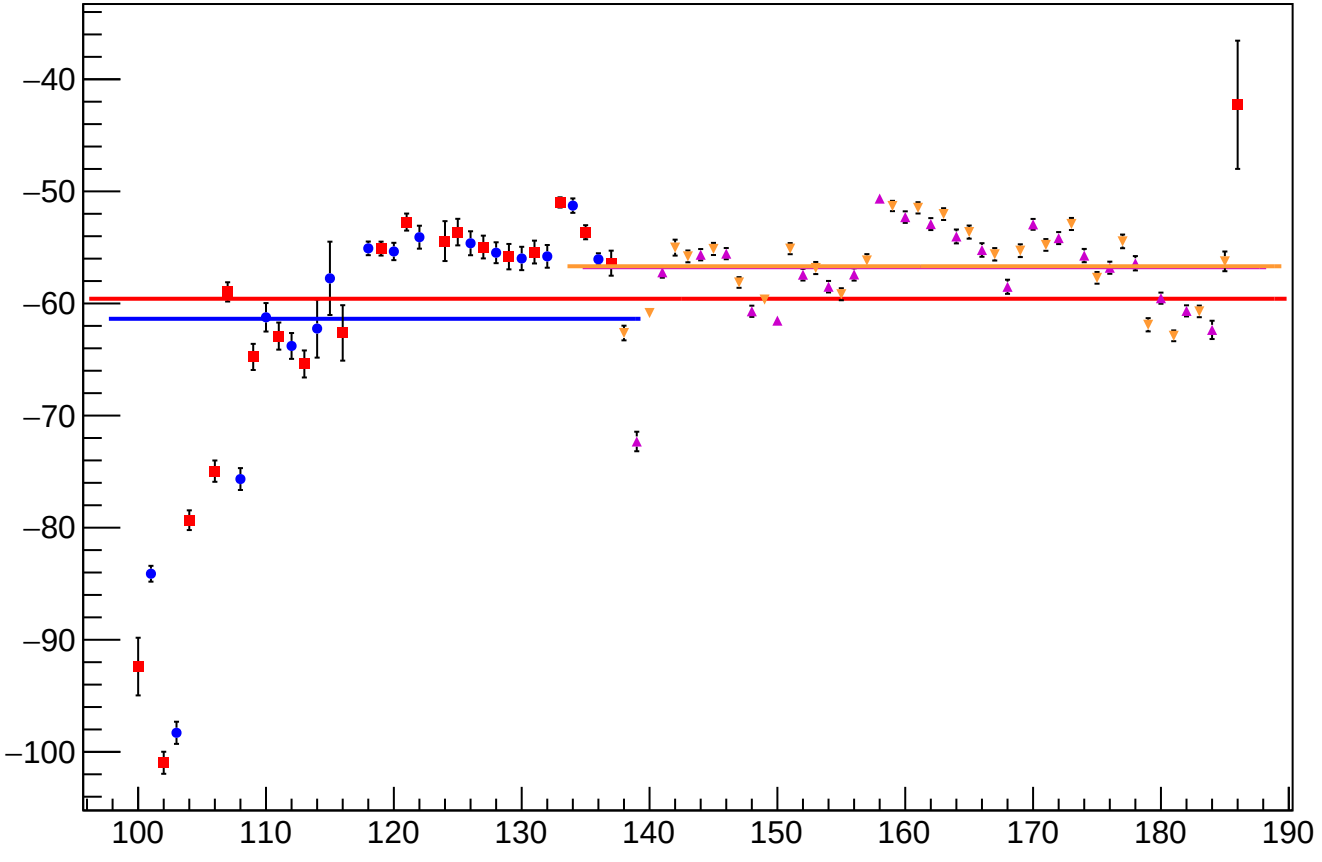
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

\+ sign 0.768+/-0.116 χ^2/NDF: 1848.0/40

All: 0.603+/-0.082 χ^2/NDF: 3632.3/83

\- sign 0.438+/-0.116 χ^2/NDF: 1780.2/42

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -59.579+/-0.206 χ^2/NDF: 3430.5/19

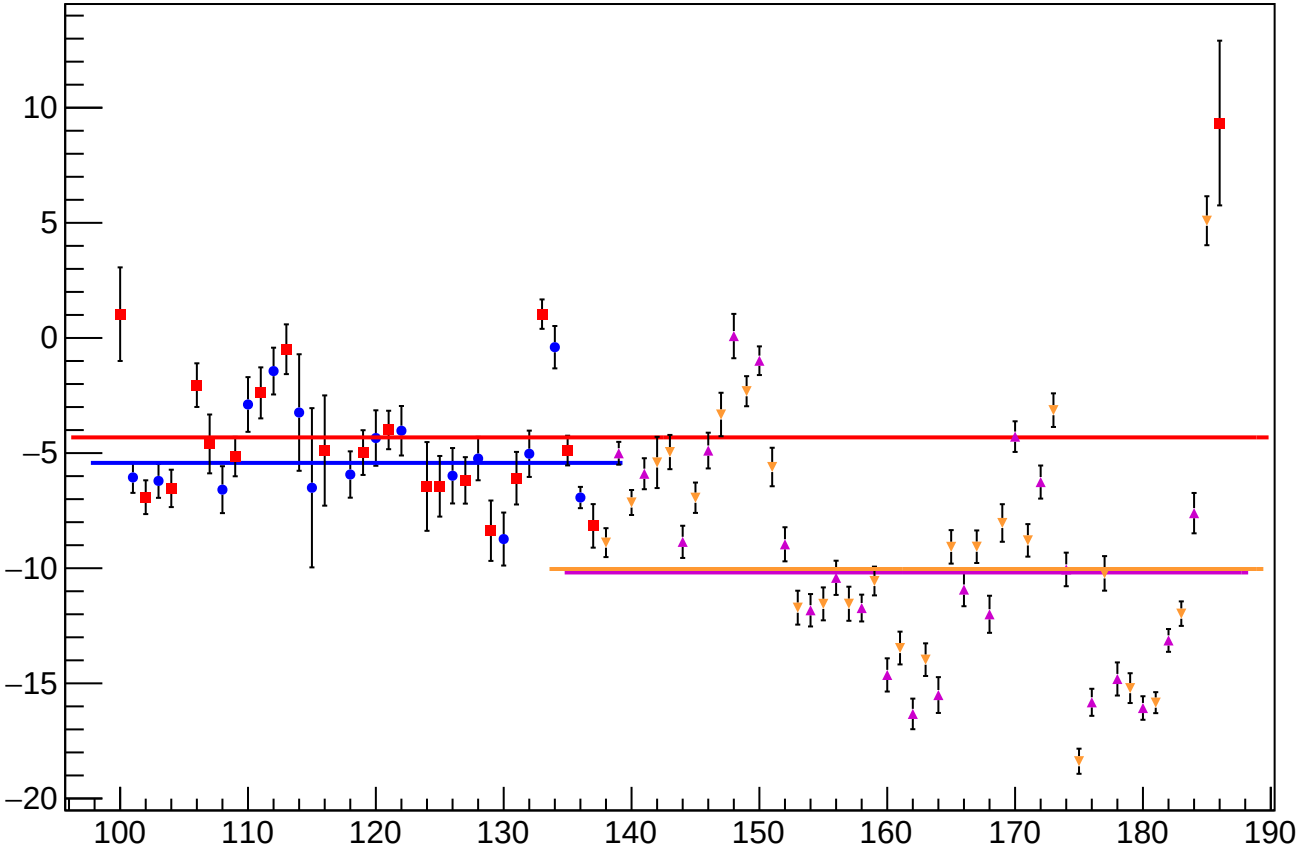
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -57.586+/-0.096 χ^2/NDF: 4735.0/40

All: -57.497+/-0.069 χ^2/NDF: 9419.6/83

- sign -57.404+/-0.098 χ^2/NDF: 4682.8/42

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -4.318+/-0.222 χ^2/NDF: 171.2/19

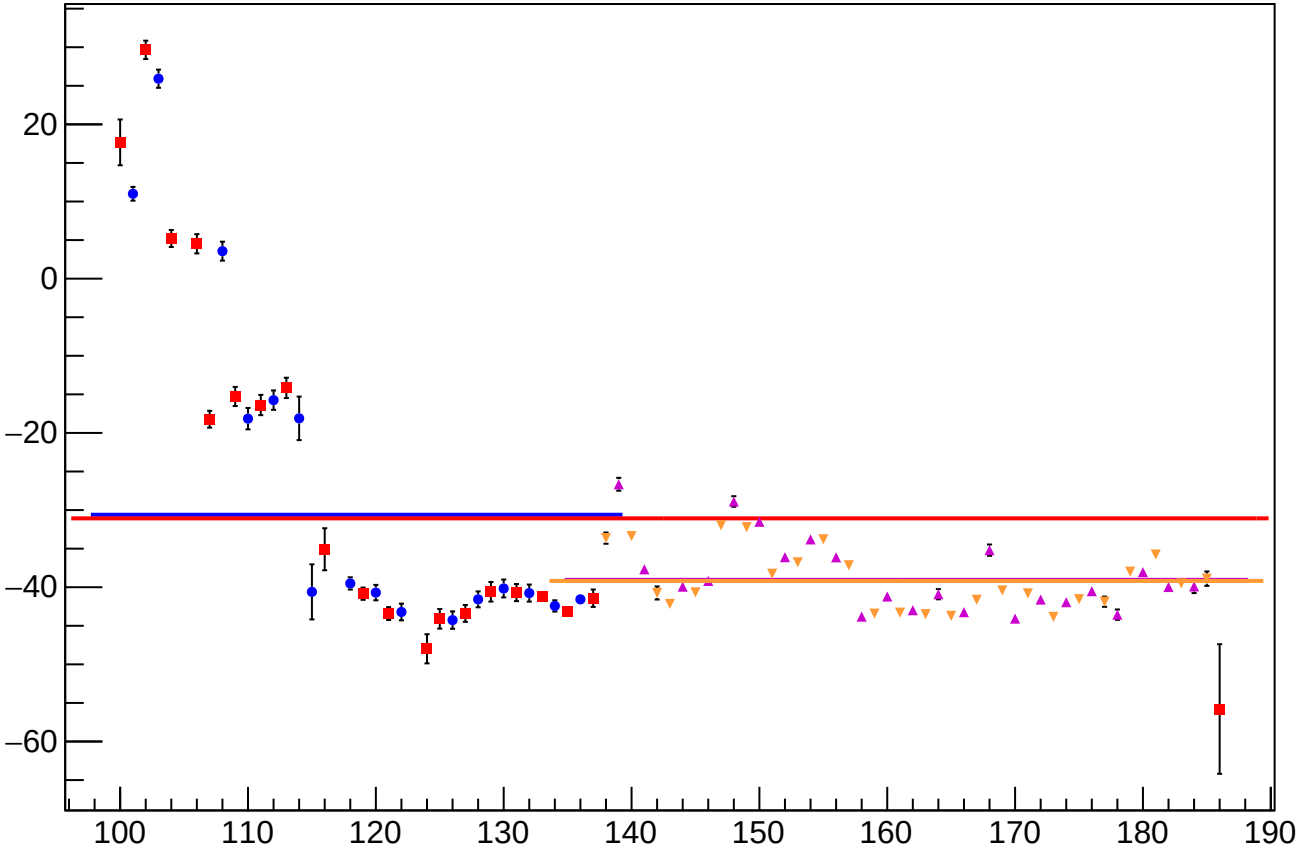
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.837+/-0.117 χ^2/NDF: 1555.7/40

All: -8.685+/-0.083 χ^2/NDF: 3374.0/83

- sign -8.531+/-0.118 χ^2/NDF: 1815.0/42

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -31.076+/-0.238 χ^2/NDF: 6985.1/19

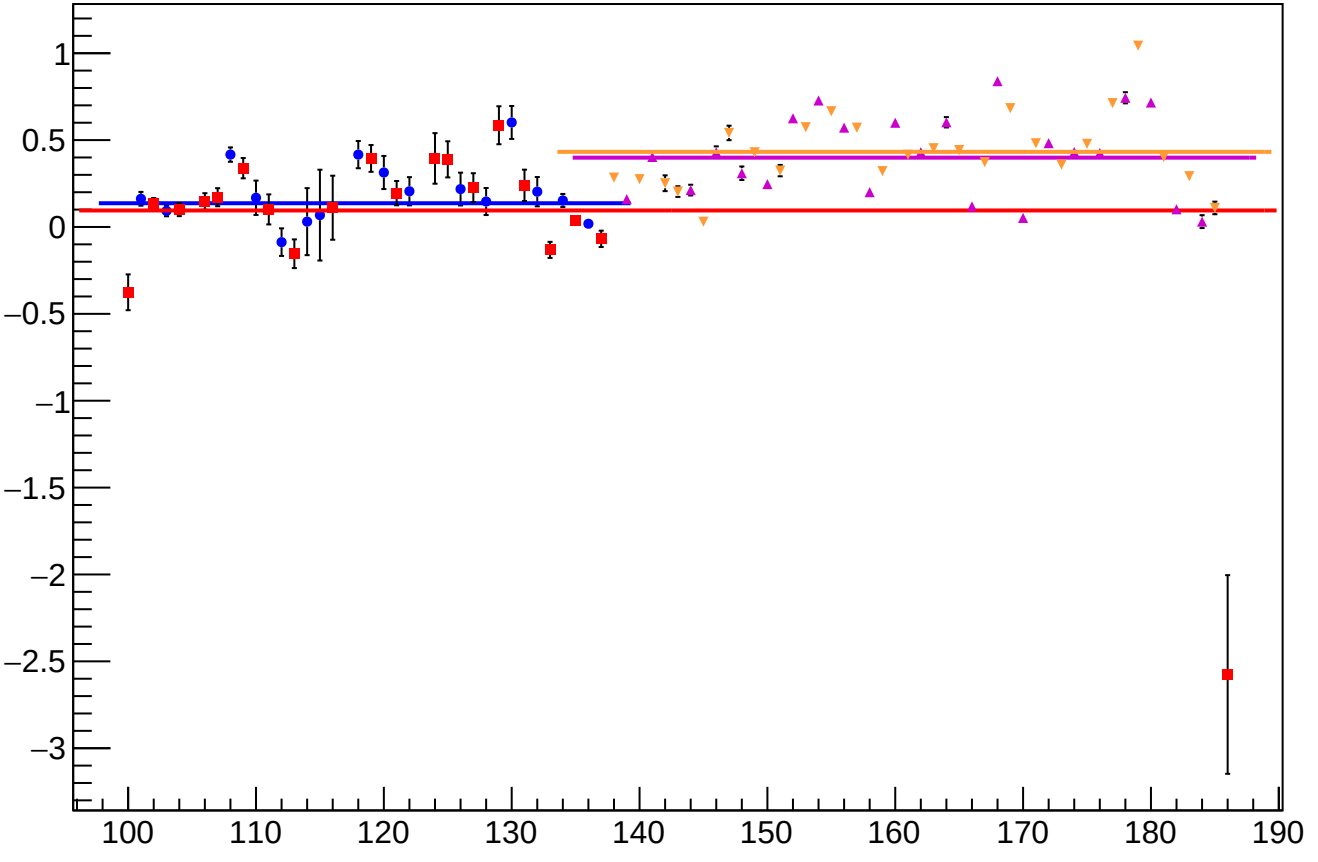
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

\+ sign -37.570+/-0.108 χ^2/NDF: 8932.7/40

All: -37.454+/-0.077 χ^2/NDF: 18029.3/83

\- sign -37.334+/-0.110 χ^2/NDF: 9094.3/42

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.095+/-0.012 χ^2/NDF: 169.6/19

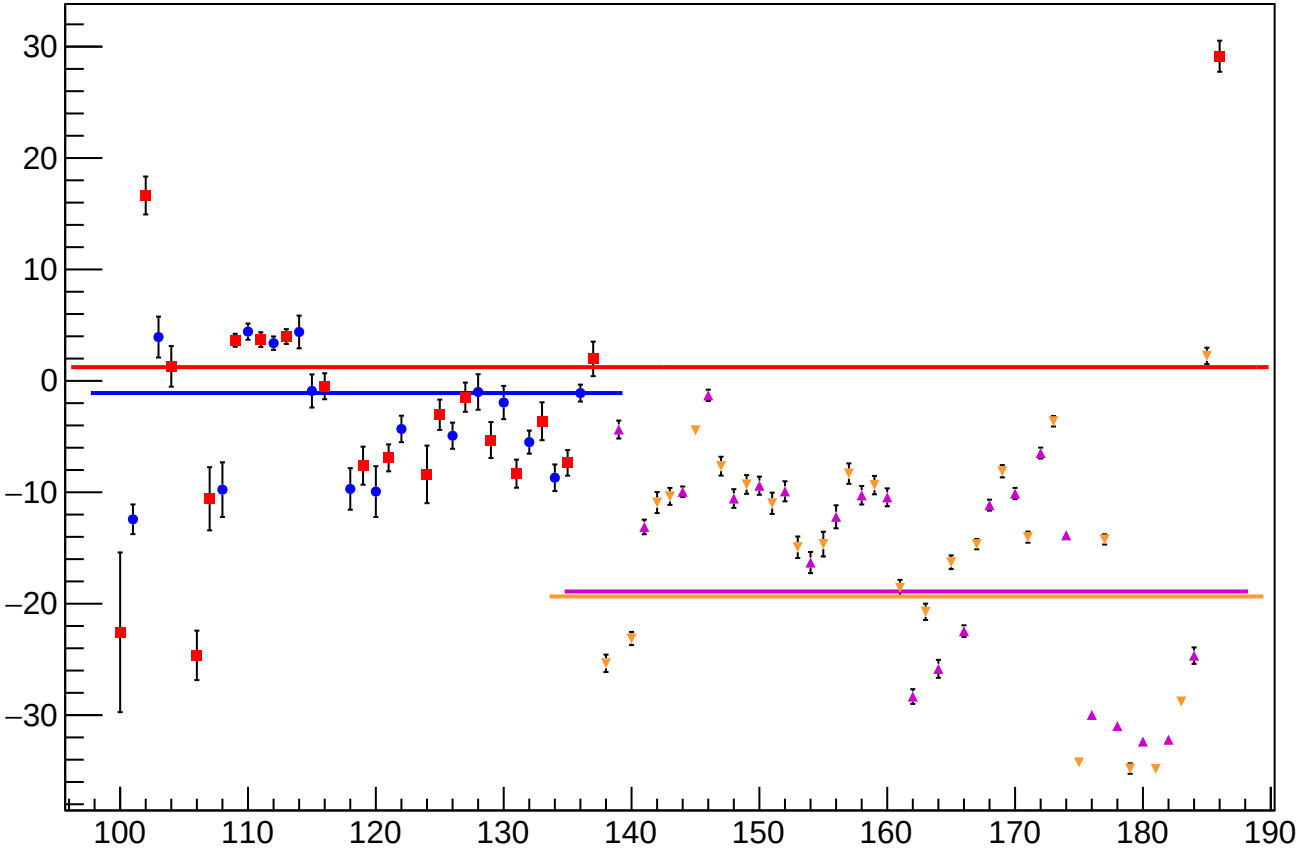
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.387+/-0.005 χ^2/NDF: 1972.0/40

All: 0.369+/-0.003 χ^2/NDF: 4603.6/83

- sign 0.351+/-0.005 χ^2/NDF: 2604.2/42

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 1.232+/-0.261 χ^2/NDF: 935.3/19

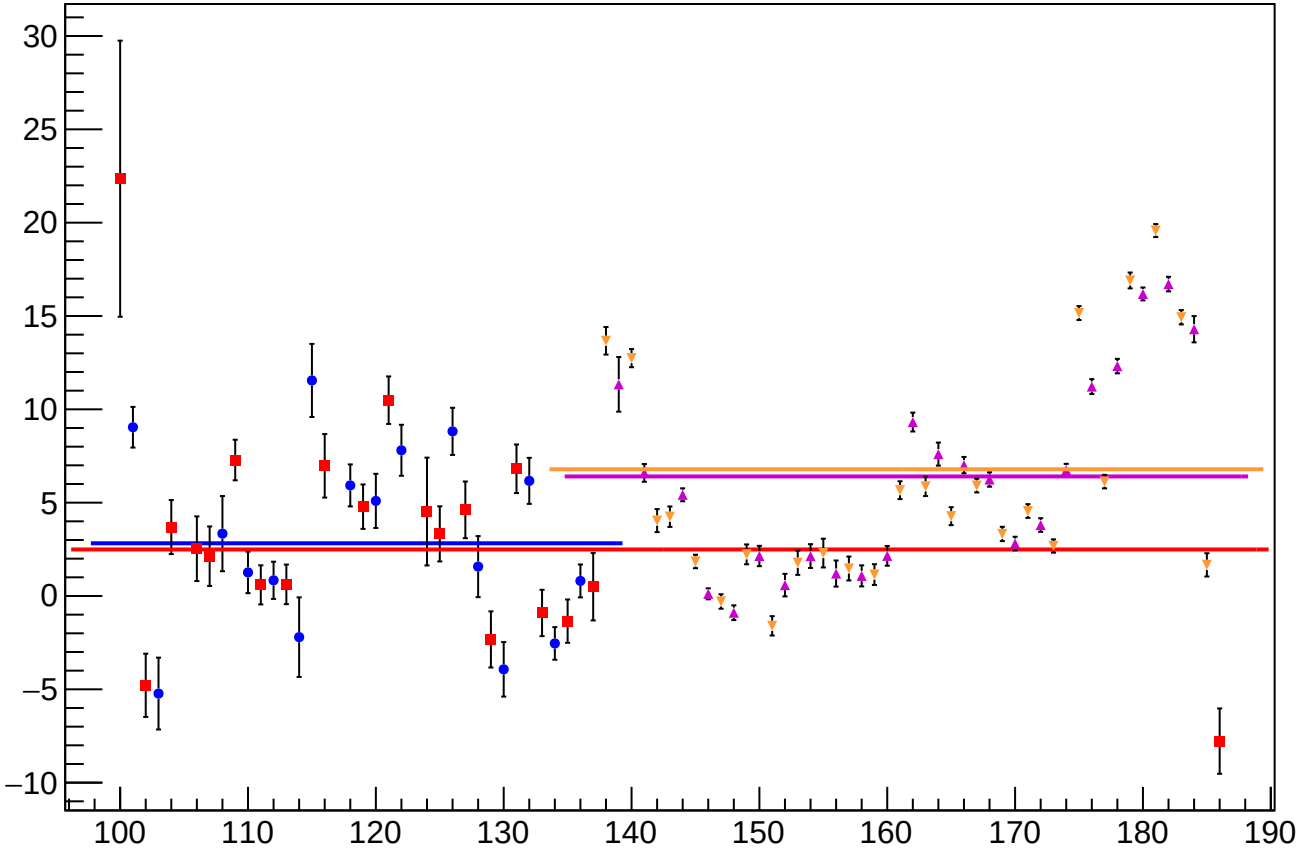
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.785+/-0.105 χ^2/NDF: 14365.7/40

All: -16.191+/-0.075 χ^2/NDF: 28604.2/83

- sign -15.584+/-0.106 χ^2/NDF: 14173.8/42

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

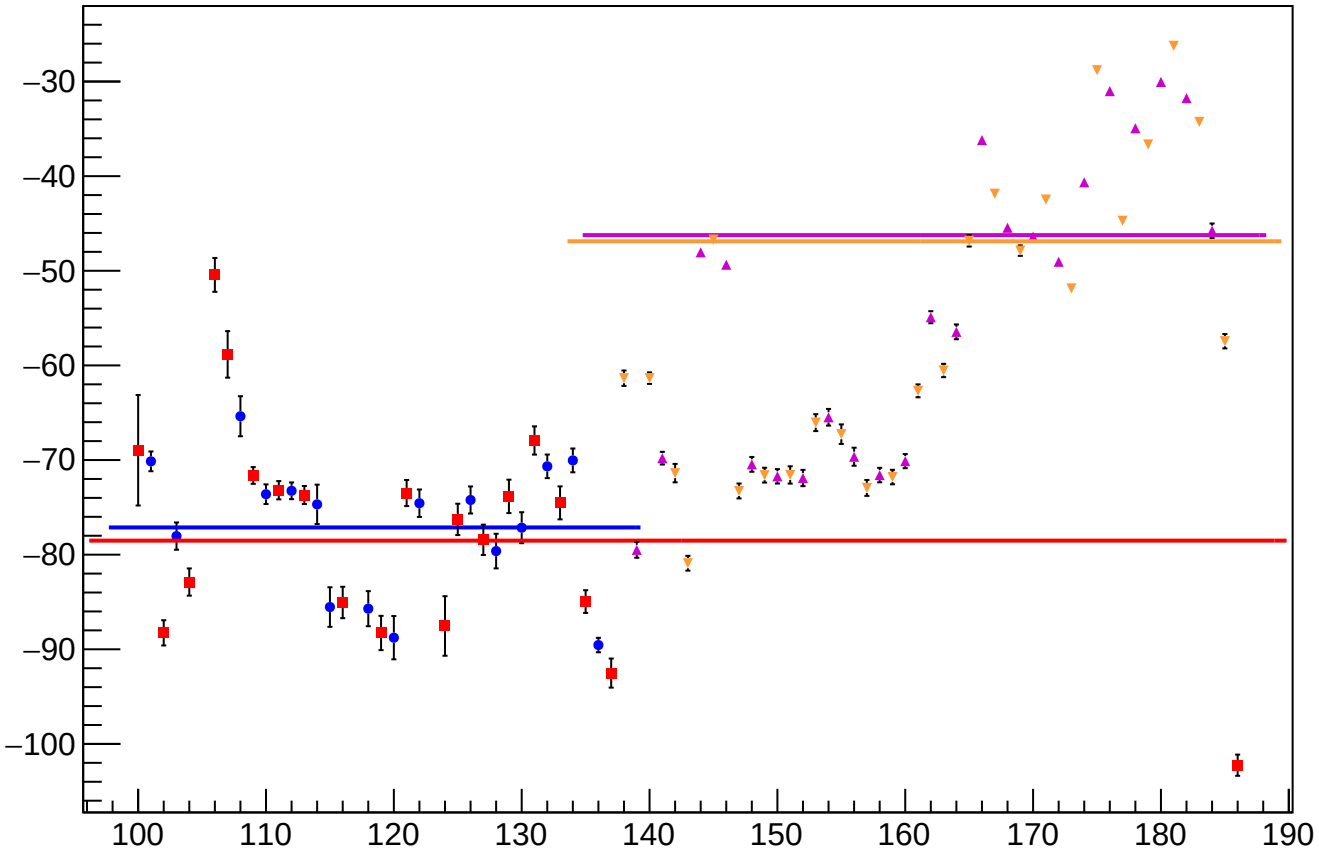
Right Out: 2.492+/-0.317 χ^2/NDF: 180.5/19

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.485+/-0.087 χ^2/NDF: 4979.9/40

All: 6.297+/-0.062 χ^2/NDF: 8721.0/83

- sign 6.105+/-0.088 χ^2/NDF: 3731.6/42



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -78.516+/-0.315 χ^2/NDF: 1183.5/19

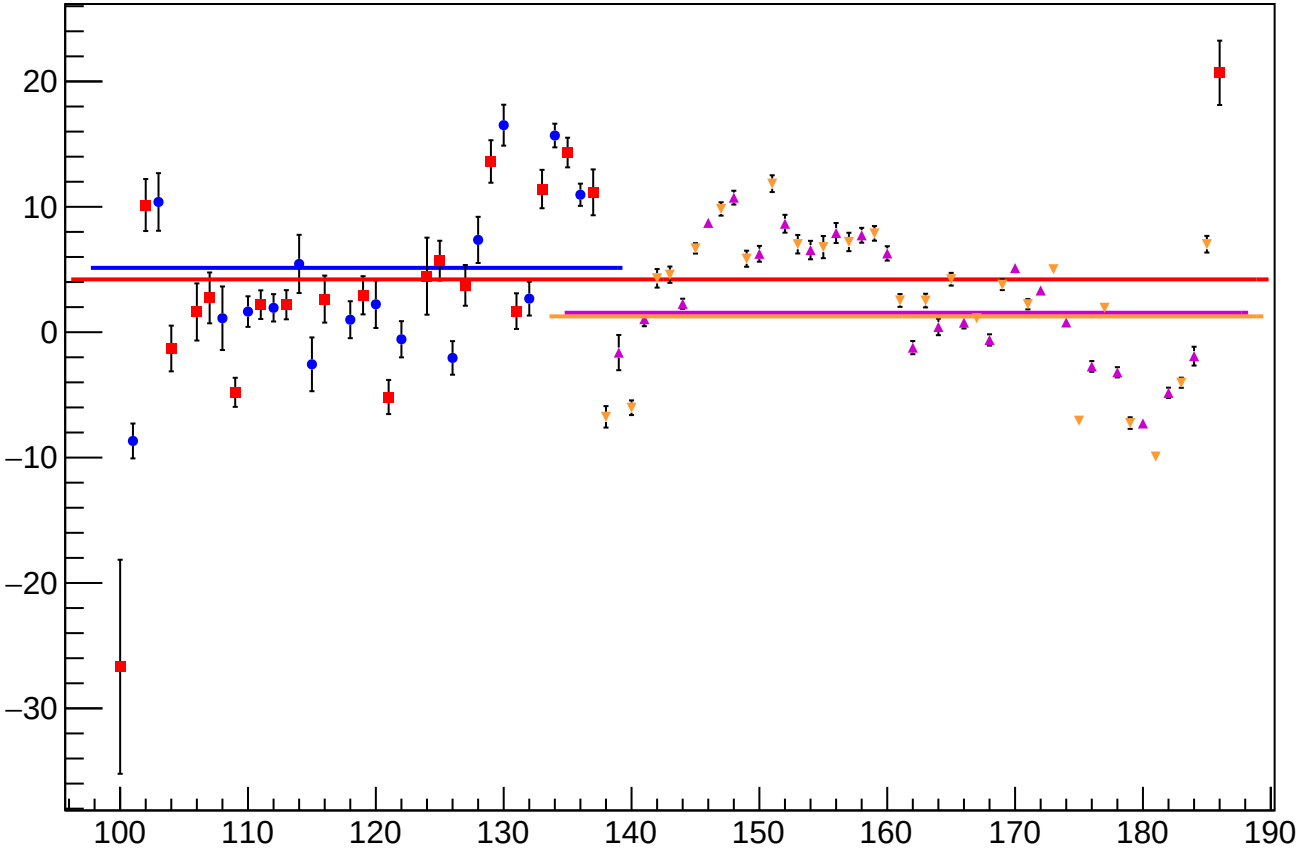
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.167+/-0.108 χ^2/NDF: 26134.5/40

All: -50.133+/-0.077 χ^2/NDF: 51722.4/83

- sign -50.098+/-0.109 χ^2/NDF: 25587.7/42

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 4.212+/-0.358 χ^2/NDF: 333.5/19

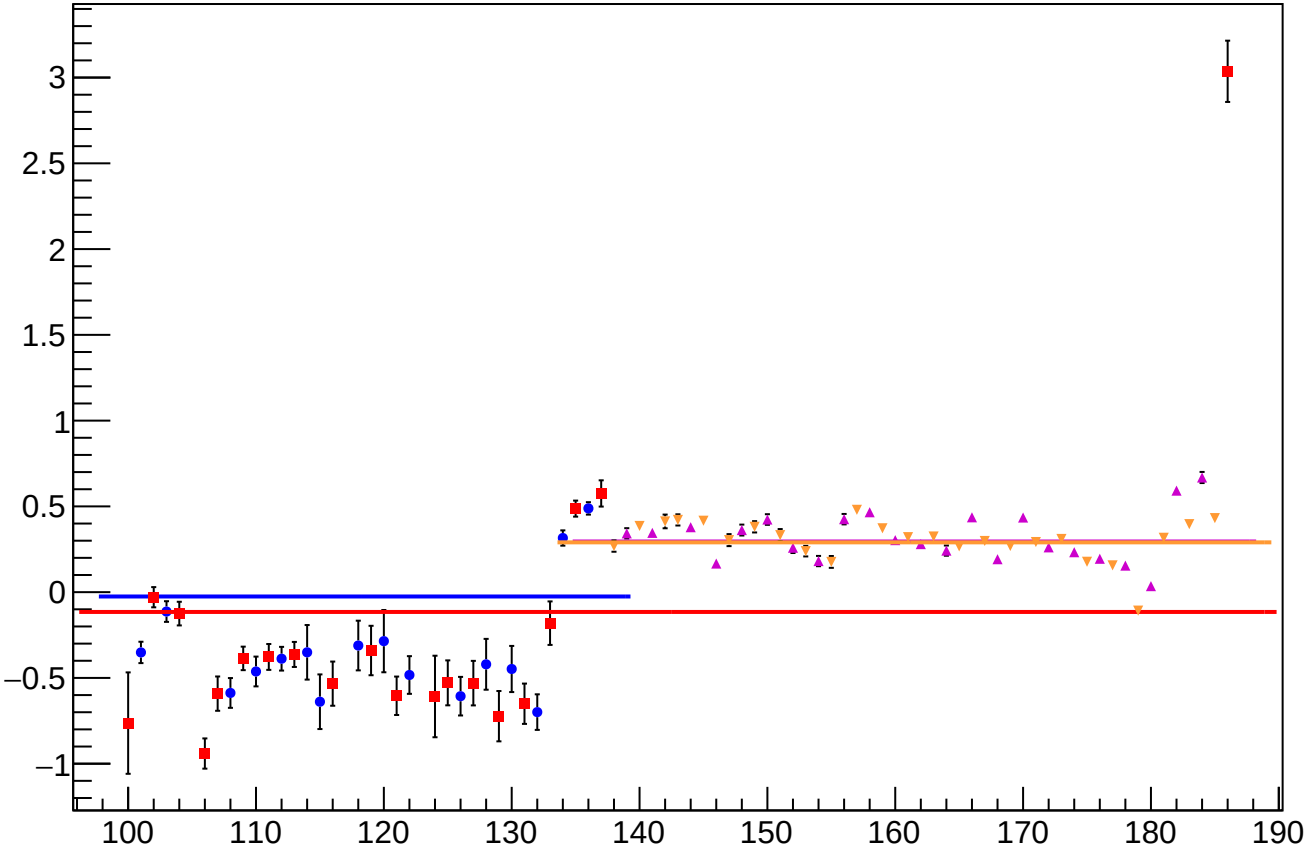
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.556+/-0.096 χ^2/NDF: 3971.2/40

All: 1.652+/-0.069 χ^2/NDF: 6693.5/83

- sign 1.751+/-0.098 χ^2/NDF: 2720.3/42

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.115+/-0.020 χ^2/NDF: 810.1/19

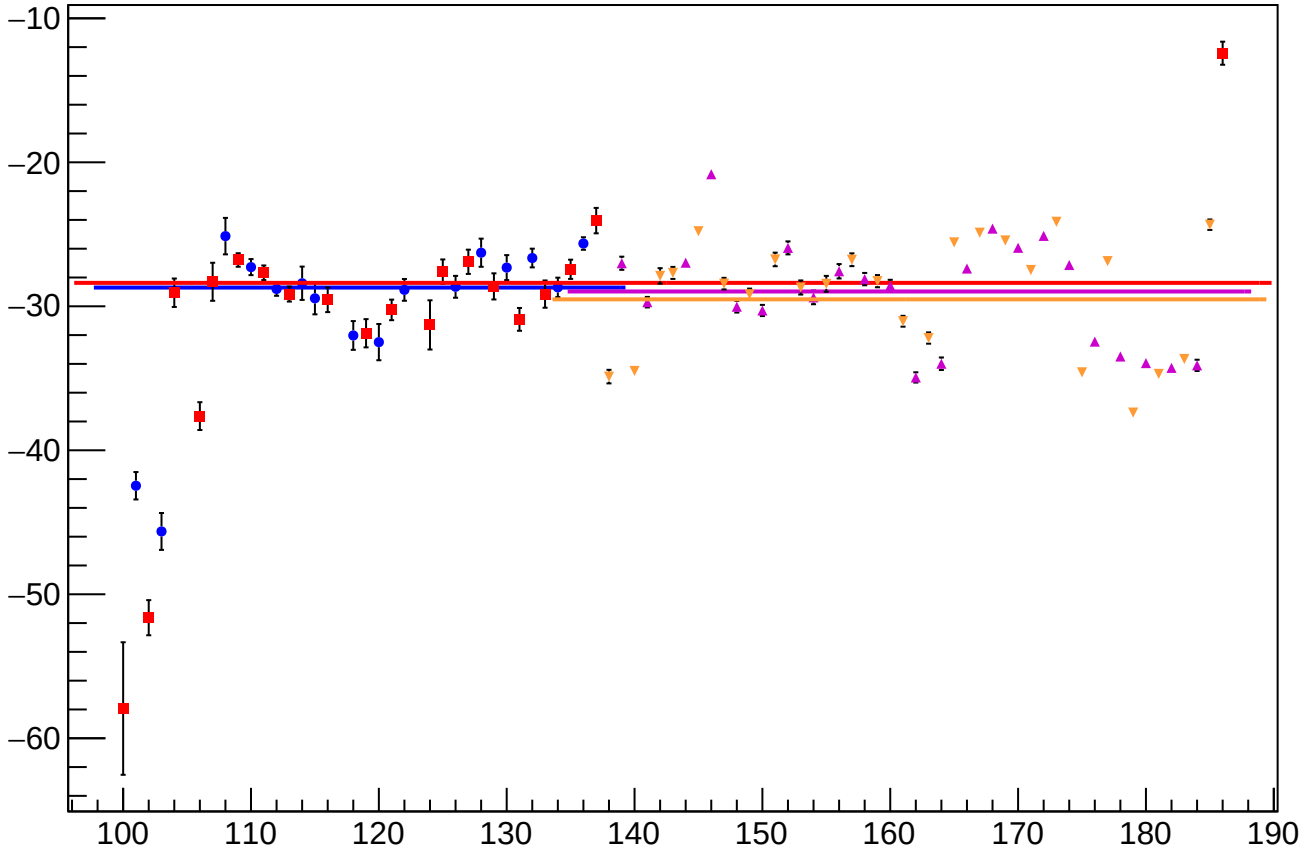
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.274+/-0.004 χ^2/NDF: 1494.6/40

All: 0.274+/-0.003 χ^2/NDF: 3737.9/83

- sign 0.275+/-0.004 χ^2/NDF: 2243.3/42

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -28.373+/-0.177 χ^2/NDF: 974.0/19

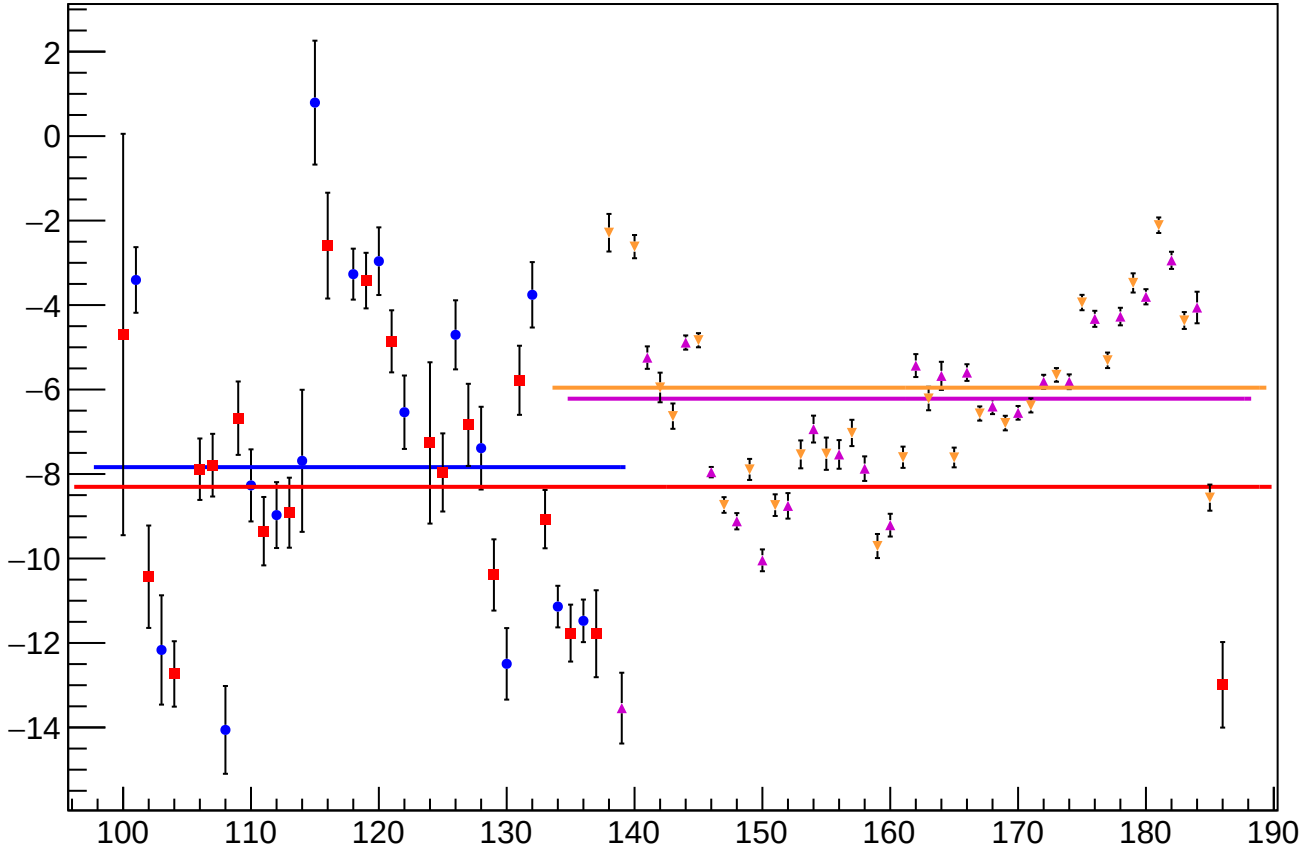
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.447+/-0.054 χ^2/NDF: 6593.5/40

All: -29.183+/-0.038 χ^2/NDF: 12975.0/83

- sign -28.915+/-0.054 χ^2/NDF: 6332.9/42

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.304+/-0.193 χ^2/NDF: 219.6/19

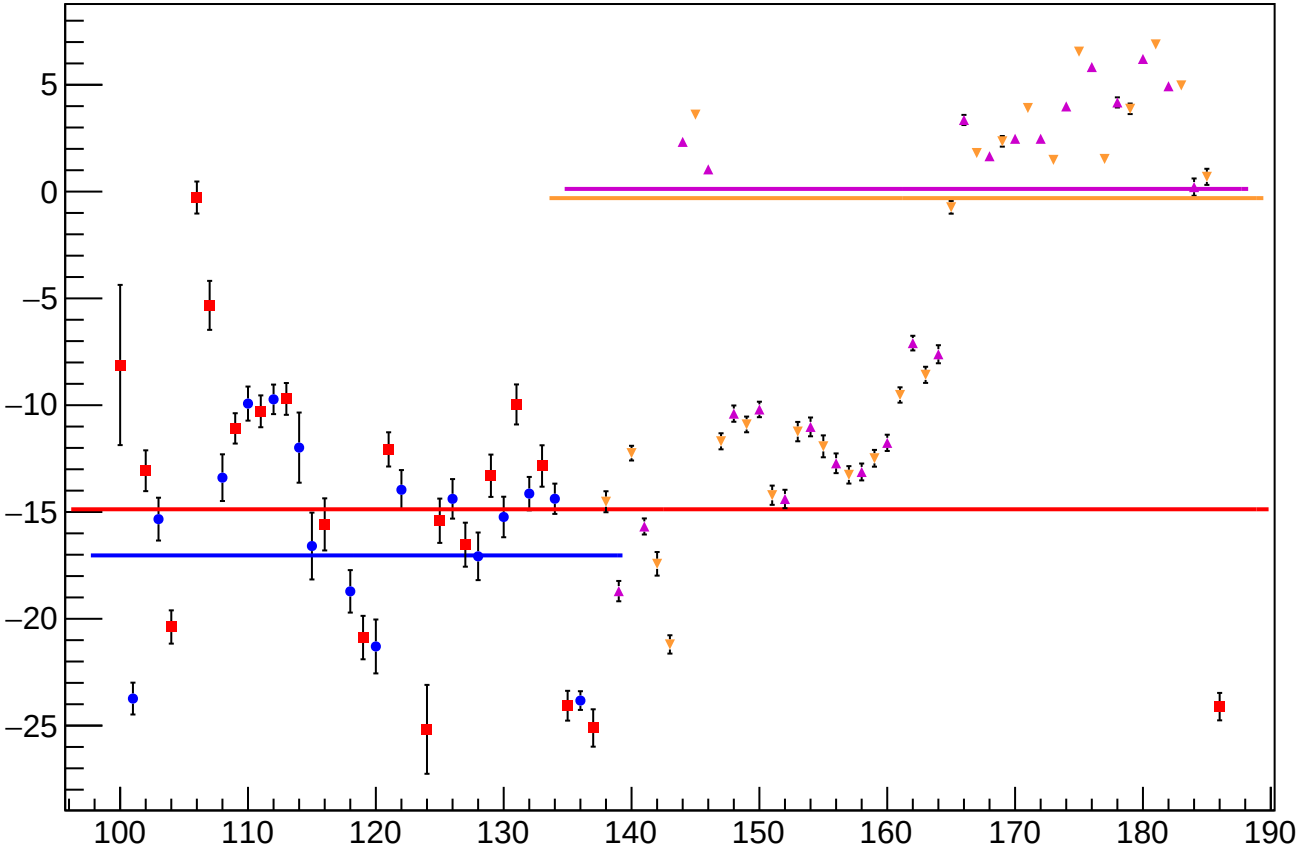
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.049+/-0.043 χ^2/NDF: 2329.5/40

All: -6.186+/-0.031 χ^2/NDF: 4421.6/83

- sign -6.321+/-0.043 χ^2/NDF: 2072.3/42

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -14.873+/-0.199 χ^2/NDF: 1246.3/19

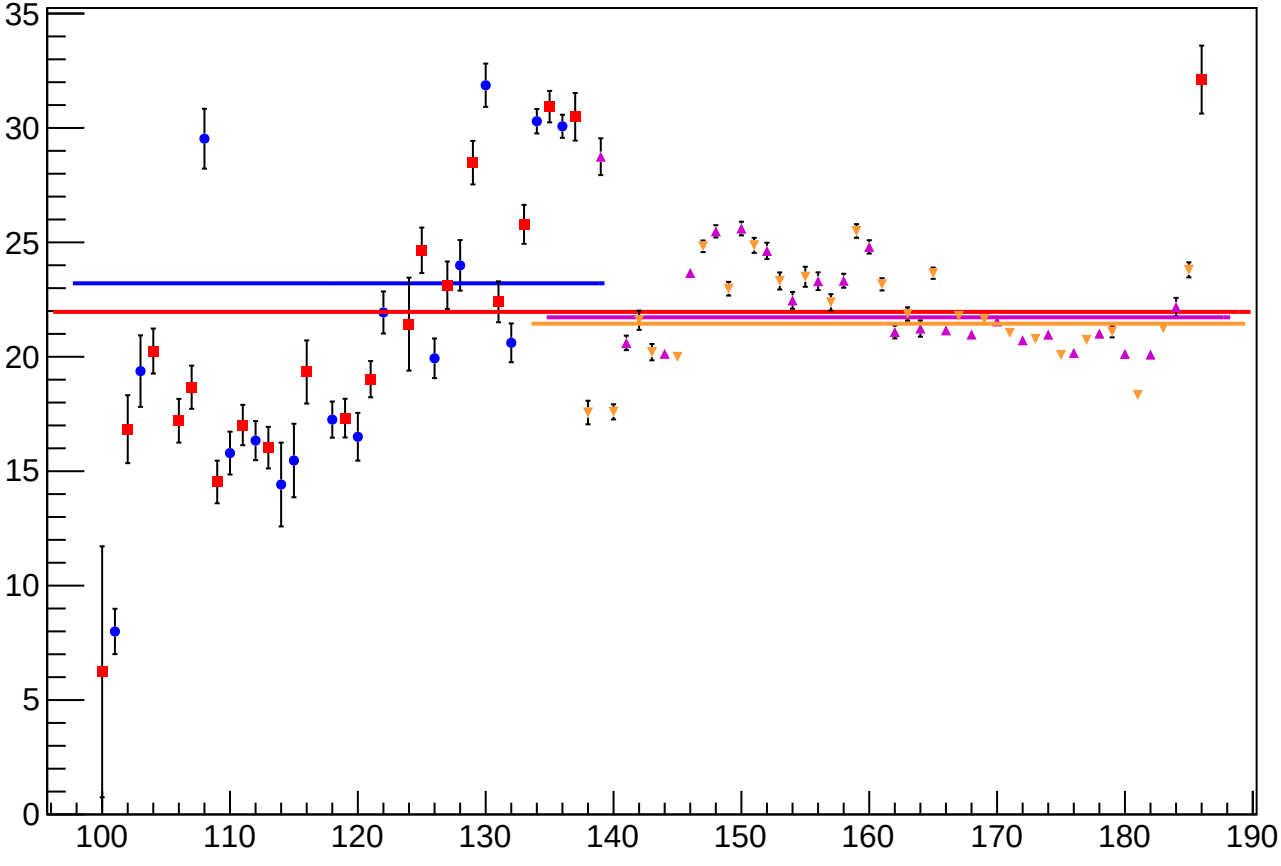
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.444+/-0.055 χ^2/NDF: 23731.1/40

All: -1.229+/-0.039 χ^2/NDF: 44095.9/83

- sign -1.012+/-0.055 χ^2/NDF: 20333.7/42

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.963+/-0.222 χ^2/NDF: 606.0/19

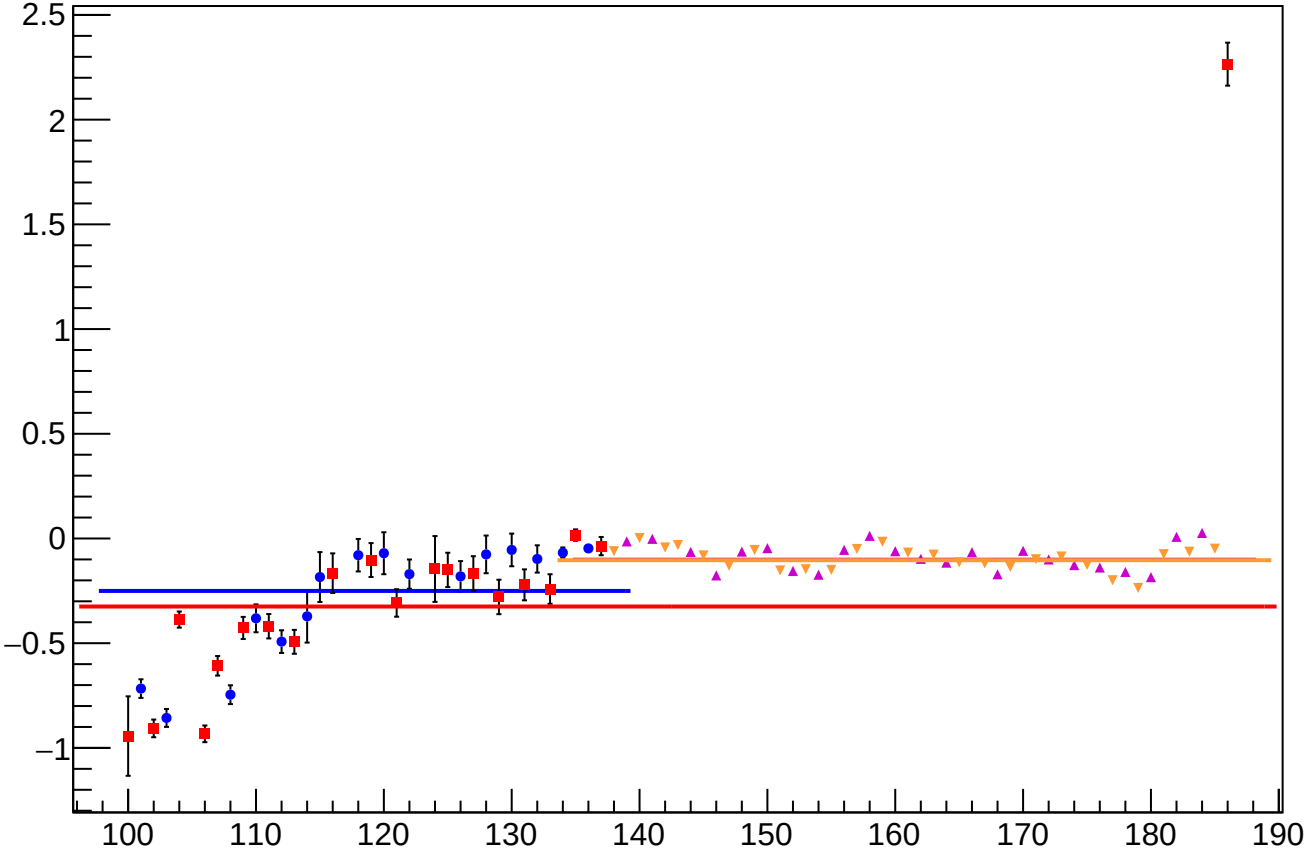
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.533+/-0.048 χ^2/NDF: 2395.7/40

All: 21.635+/-0.034 χ^2/NDF: 4185.3/83

- sign 21.737+/-0.048 χ^2/NDF: 1780.8/42

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.325+/-0.012 χ^2/NDF: 1350.2/19

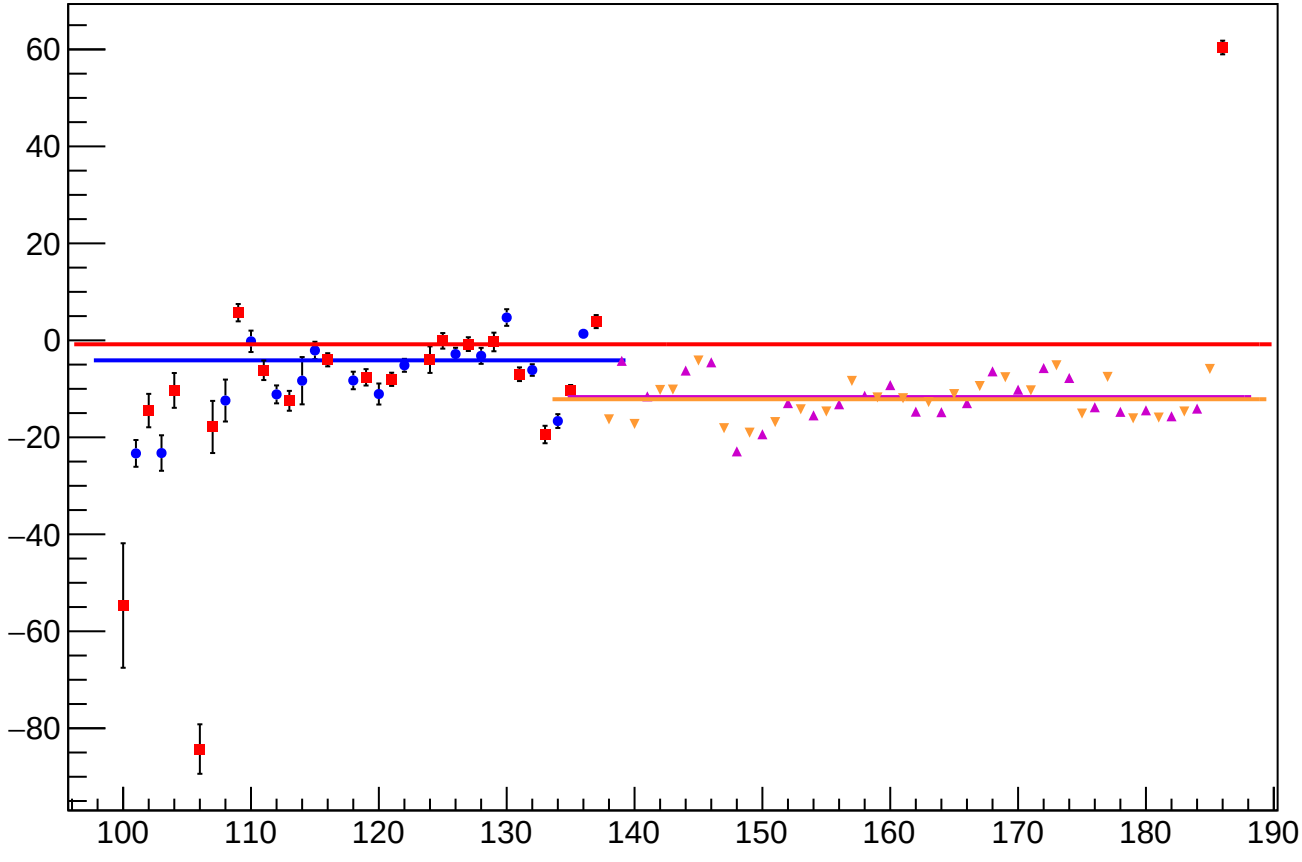
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.109+/-0.002 χ^2/NDF: 1333.7/40

All: -0.109+/-0.002 χ^2/NDF: 3763.5/83

- sign -0.108+/-0.002 χ^2/NDF: 2429.8/42

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

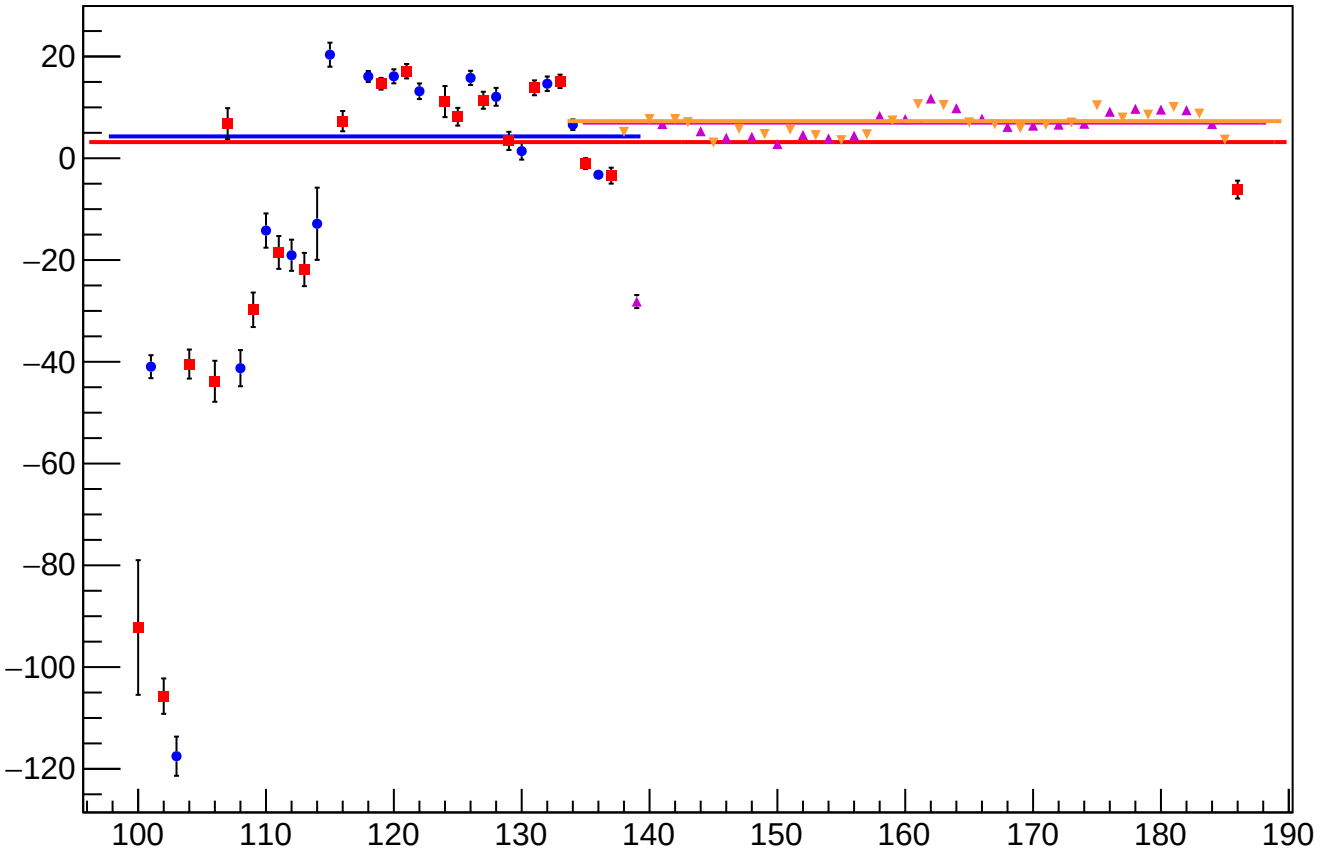
Right Out: -0.811+/-0.392 χ^2/NDF: 2524.7/19

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.707+/-0.089 χ^2/NDF: 2835.6/40

All: -11.413+/-0.064 χ^2/NDF: 8064.1/83

- sign -11.102+/-0.092 χ^2/NDF: 5206.0/42



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

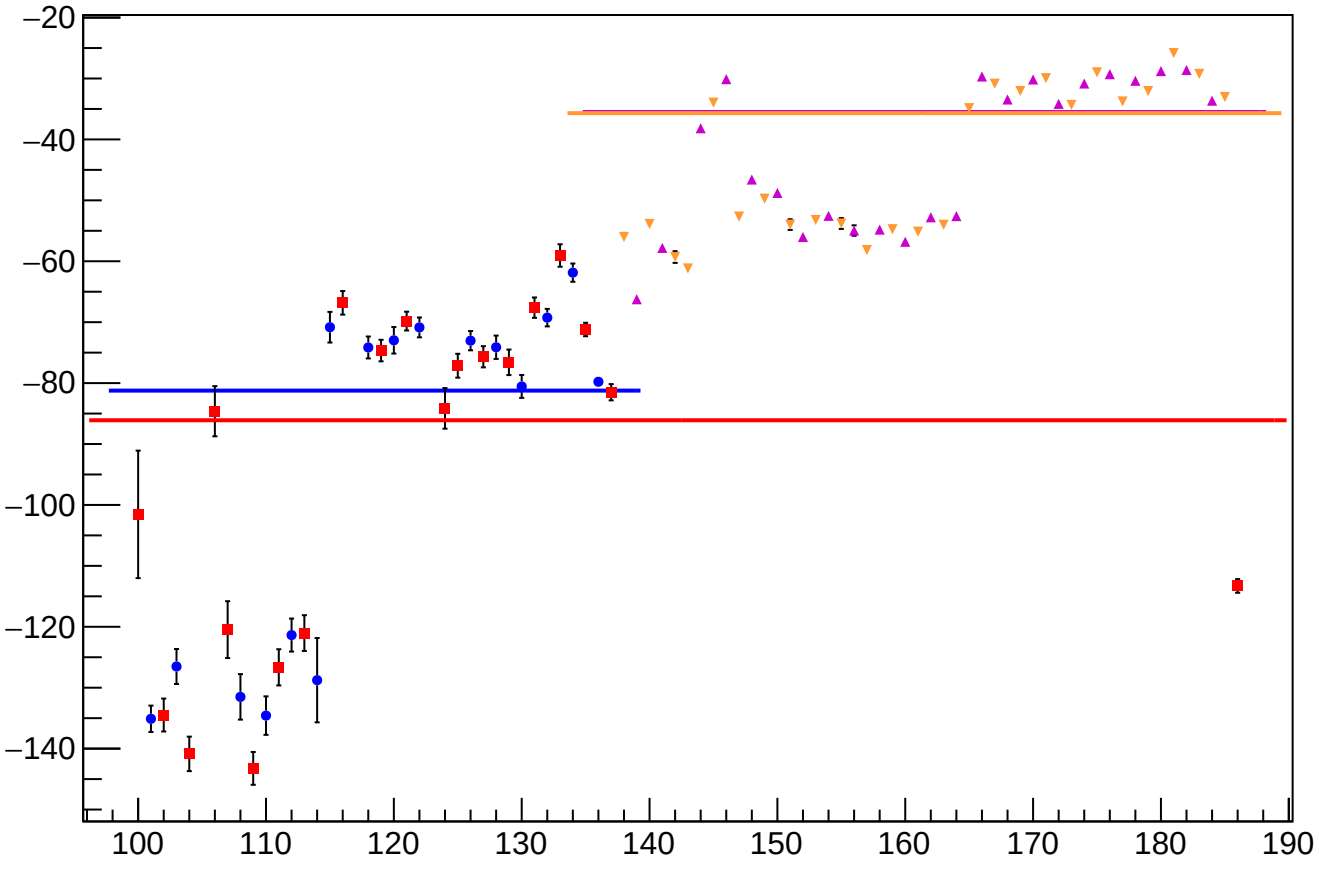
Right Out: 3.177+/-0.411 χ^2/NDF: 2037.1/19

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.187+/-0.074 χ^2/NDF: 3050.6/40

All: 7.035+/-0.052 χ^2/NDF: 6756.3/83

- sign 6.878+/-0.075 χ^2/NDF: 3697.0/42



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -86.100+/-0.427 χ^2/NDF: 2975.6/19

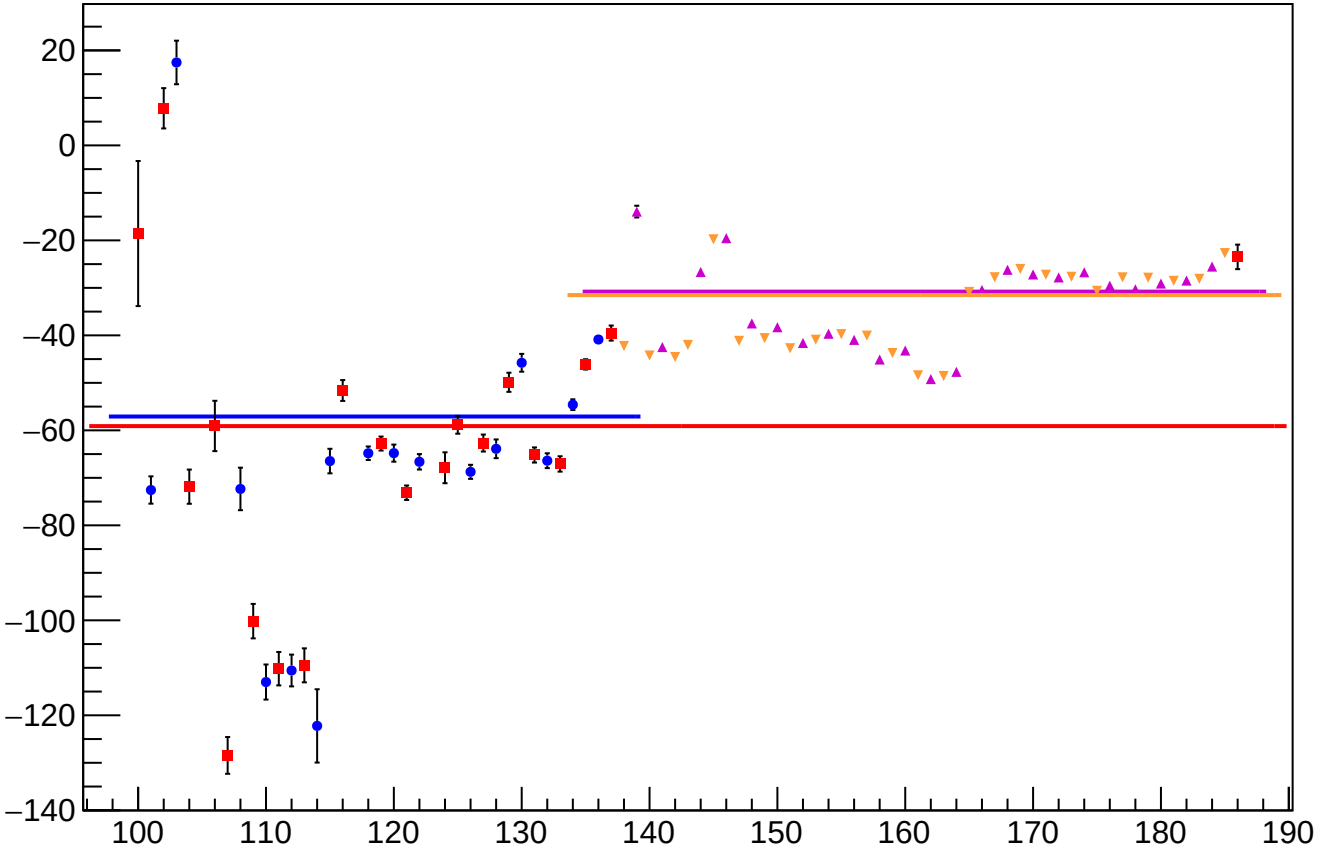
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -37.816+/-0.090 χ^2/NDF: 26128.8/40

All: -37.839+/-0.064 χ^2/NDF: 53650.6/83

- sign -37.863+/-0.092 χ^2/NDF: 27521.6/42

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -59.107+/-0.462 χ^2/NDF: 1784.5/19

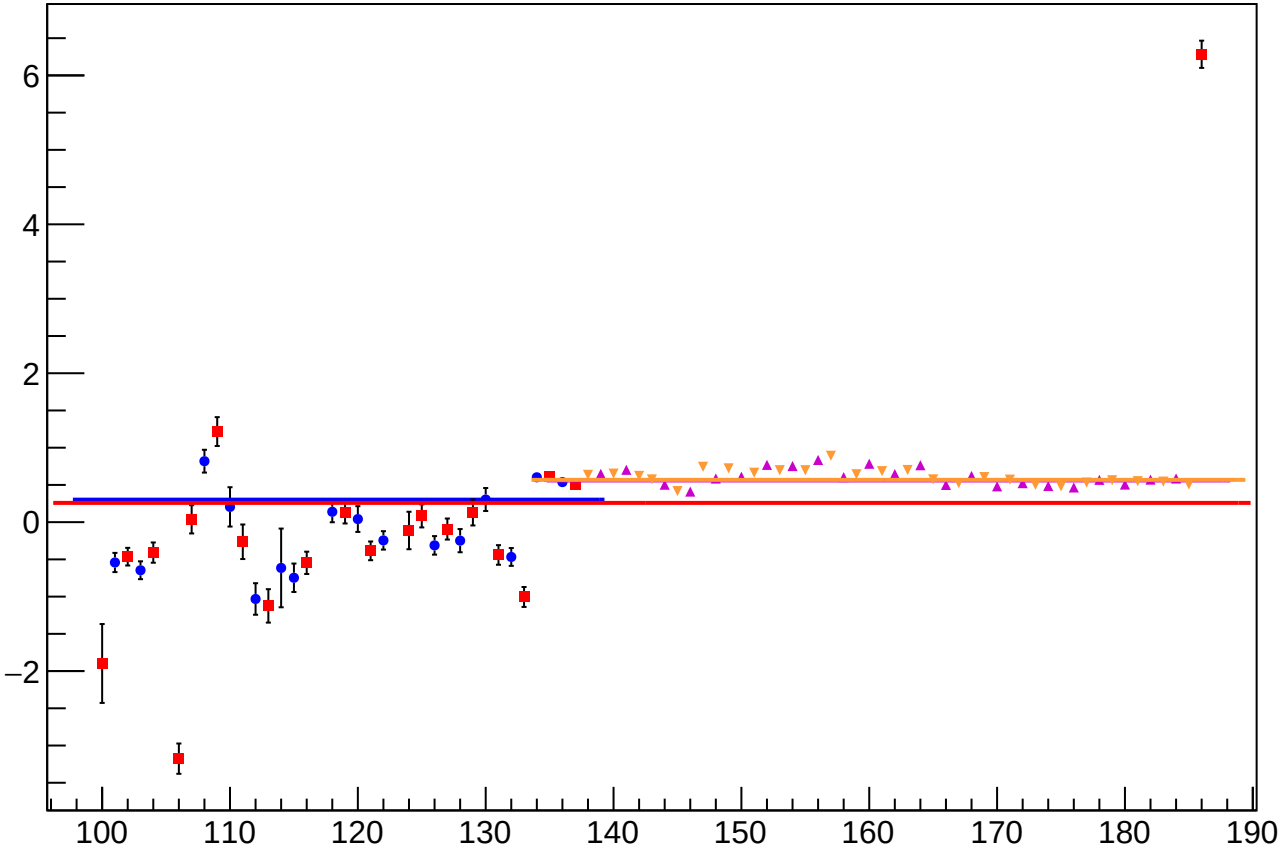
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.452+/-0.081 χ^2/NDF: 13460.2/40

All: -32.083+/-0.058 χ^2/NDF: 26464.8/83

- sign -31.700+/-0.083 χ^2/NDF: 12962.7/42

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

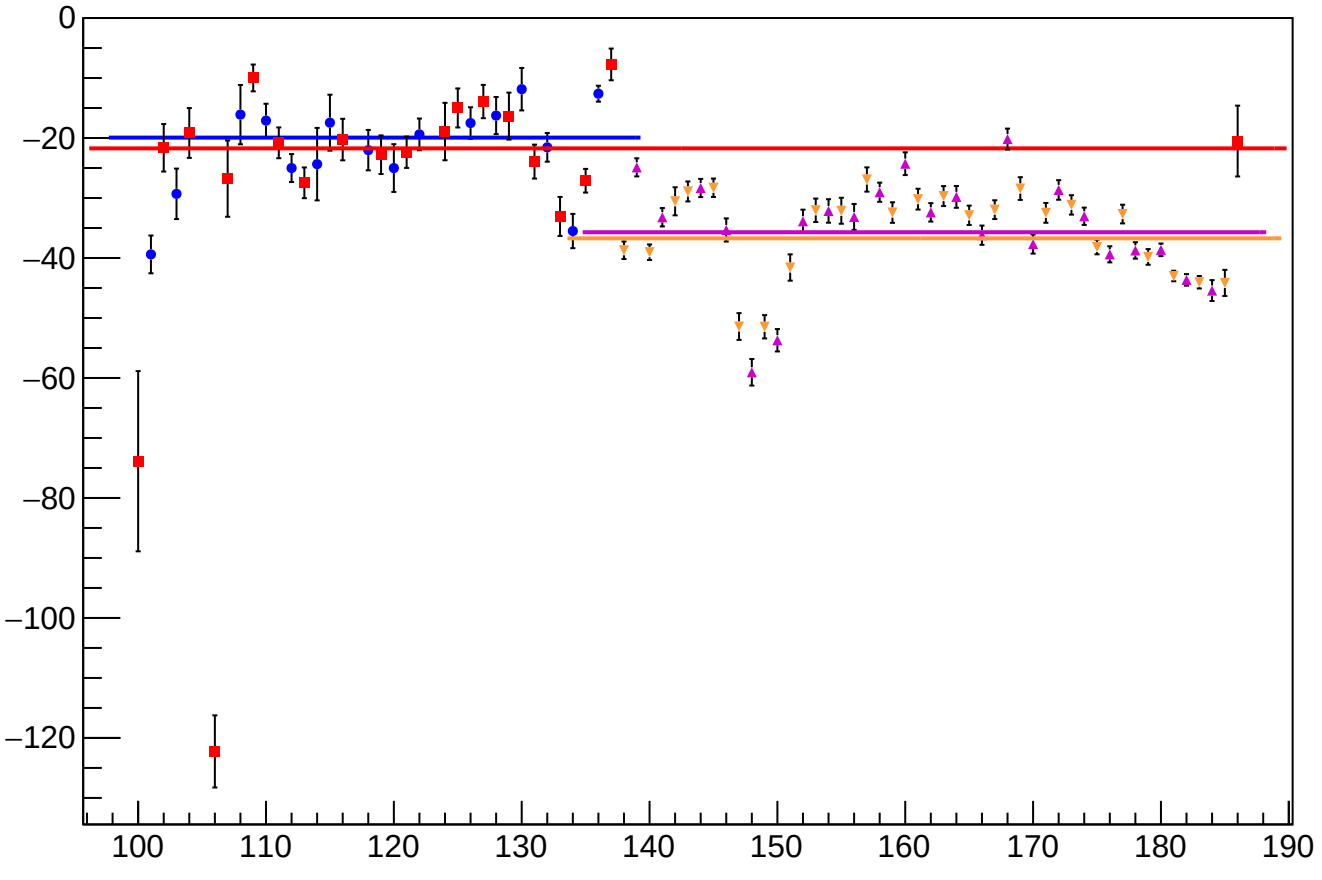
Right Out: 0.259+/-0.026 χ^2/NDF: 1780.9/19

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.562+/-0.004 χ^2/NDF: 1060.4/40

All: 0.558+/-0.003 χ^2/NDF: 3644.2/83

- sign 0.554+/-0.004 χ^2/NDF: 2581.6/42



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -21.728+/-0.709 χ^2/NDF: 388.4/19

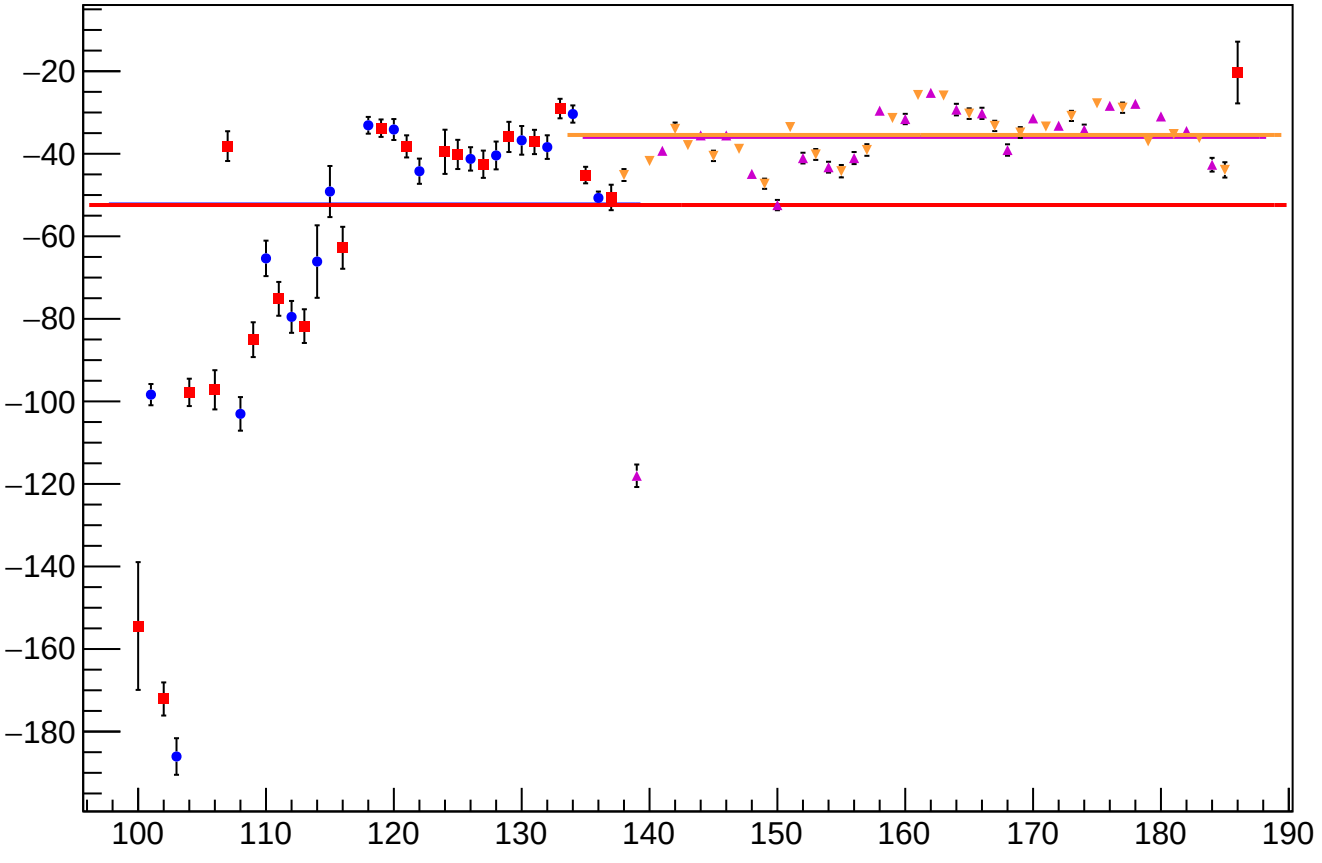
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.934+/-0.283 χ^2/NDF: 1028.2/40

All: -33.628+/-0.204 χ^2/NDF: 2319.8/83

- sign -33.299+/-0.294 χ^2/NDF: 1289.2/42

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -52.416+/-0.745 χ^2/NDF: 1681.2/19

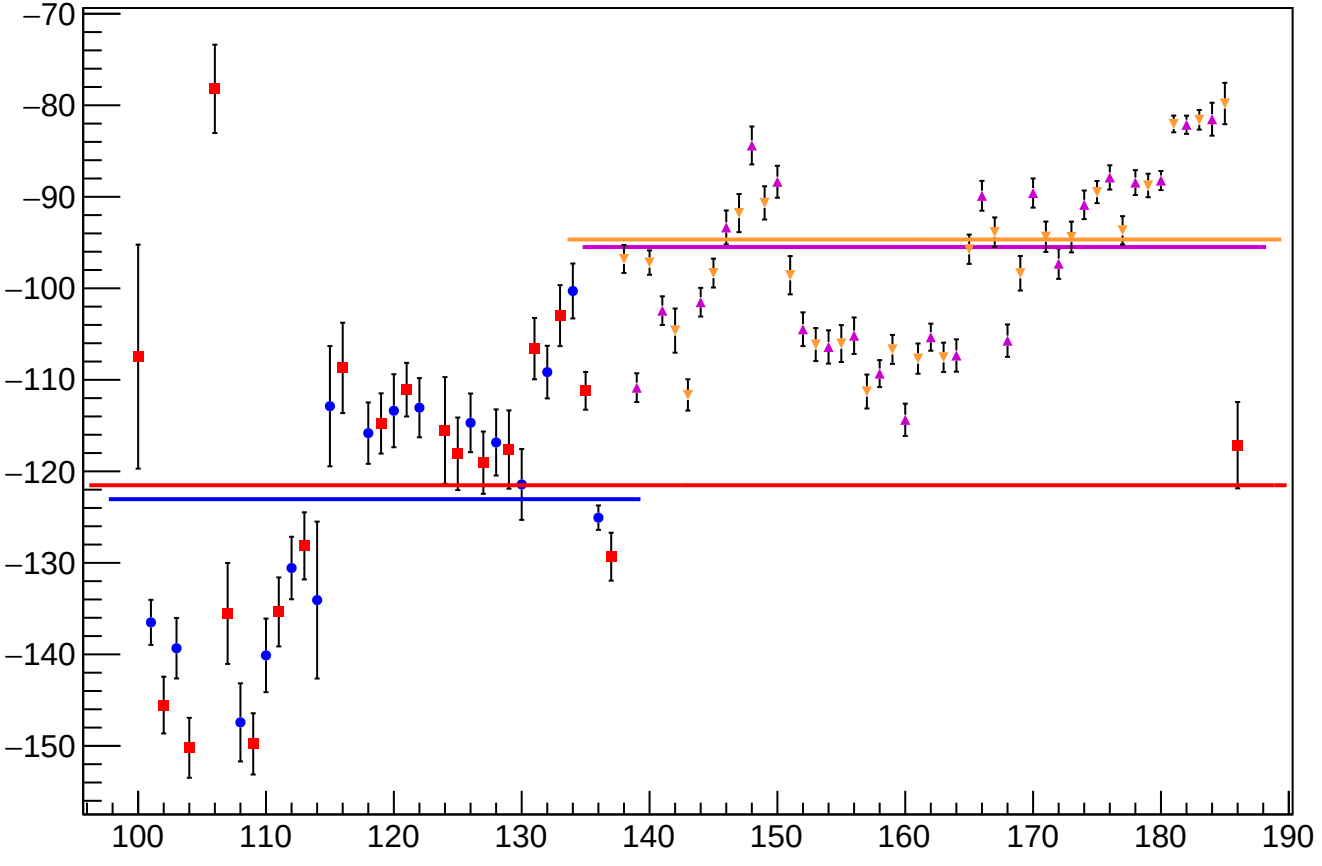
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -37.243+/-0.231 χ^2/NDF: 2822.0/40

All: -37.442+/-0.167 χ^2/NDF: 6487.1/83

- sign -37.659+/-0.242 χ^2/NDF: 3663.5/42

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -121.519+/-0.790 χ^2/NDF: 425.4/19

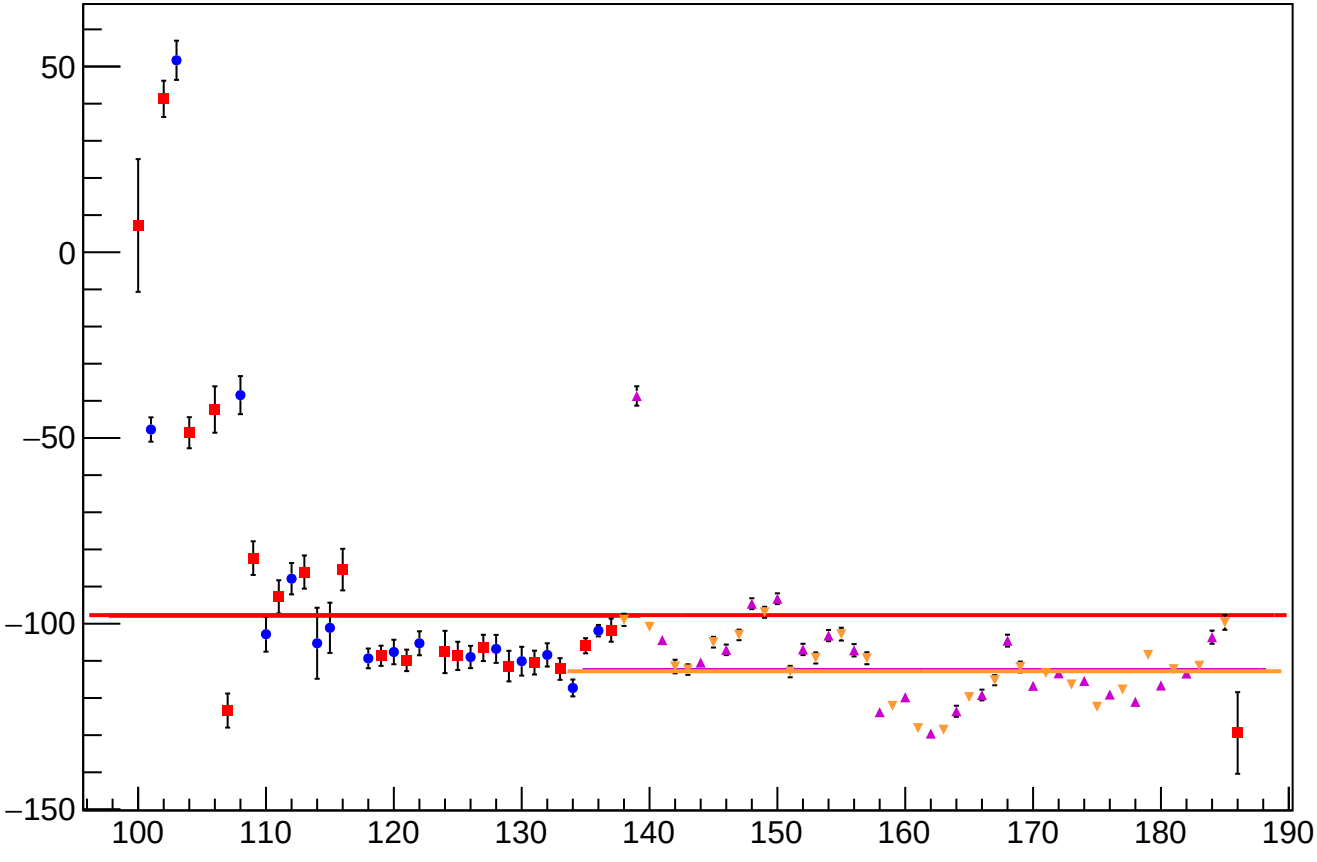
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -98.799+/-0.286 χ^2/NDF: 2349.7/40

All: -98.983+/-0.206 χ^2/NDF: 4677.9/83

- sign -99.182+/-0.298 χ^2/NDF: 2327.3/42

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -97.690+/-0.840 χ^2/NDF: 1244.8/19

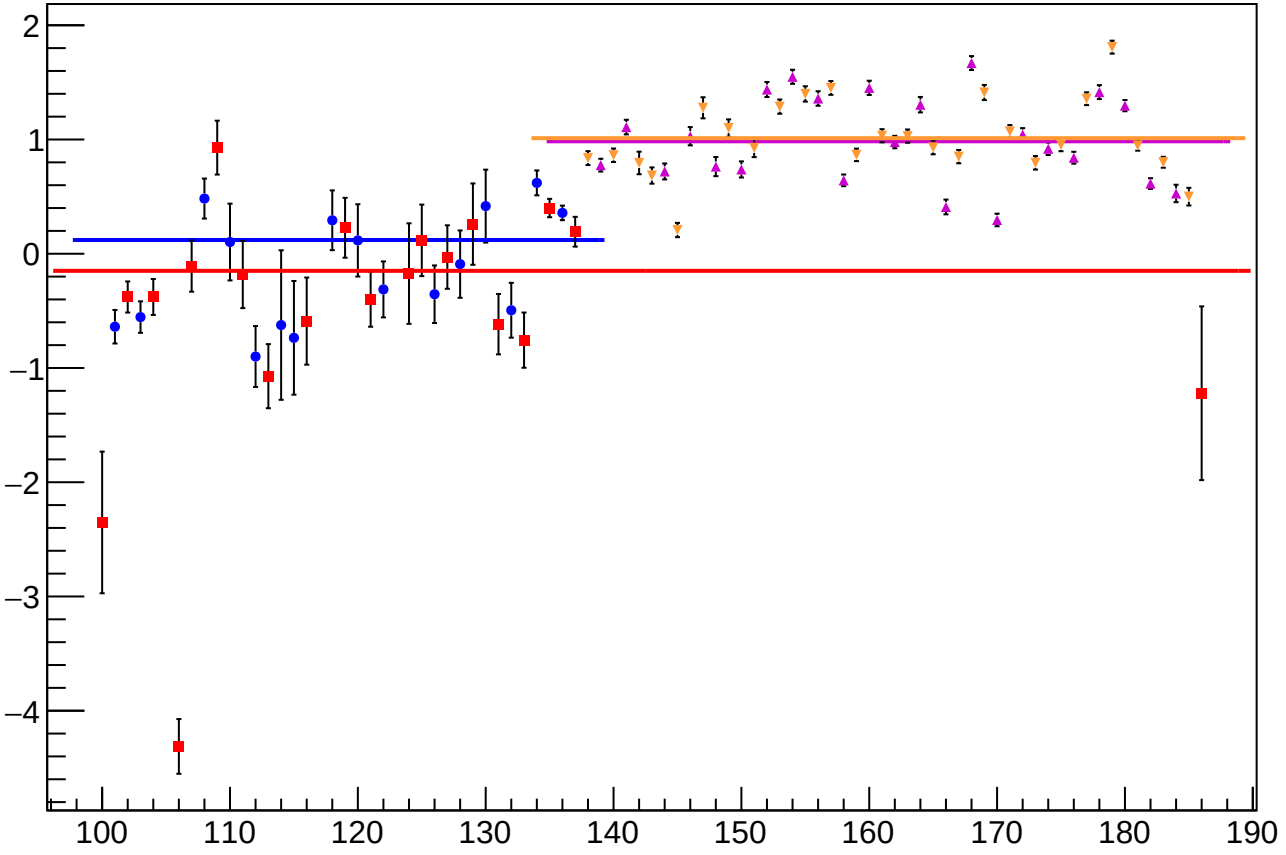
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -111.196+/-0.259 χ^2/NDF: 2586.0/40

All: -111.074+/-0.187 χ^2/NDF: 5897.2/83

- 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: 123.9/15

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: -0.150+/-0.045 χ^2/NDF: 423.0/19

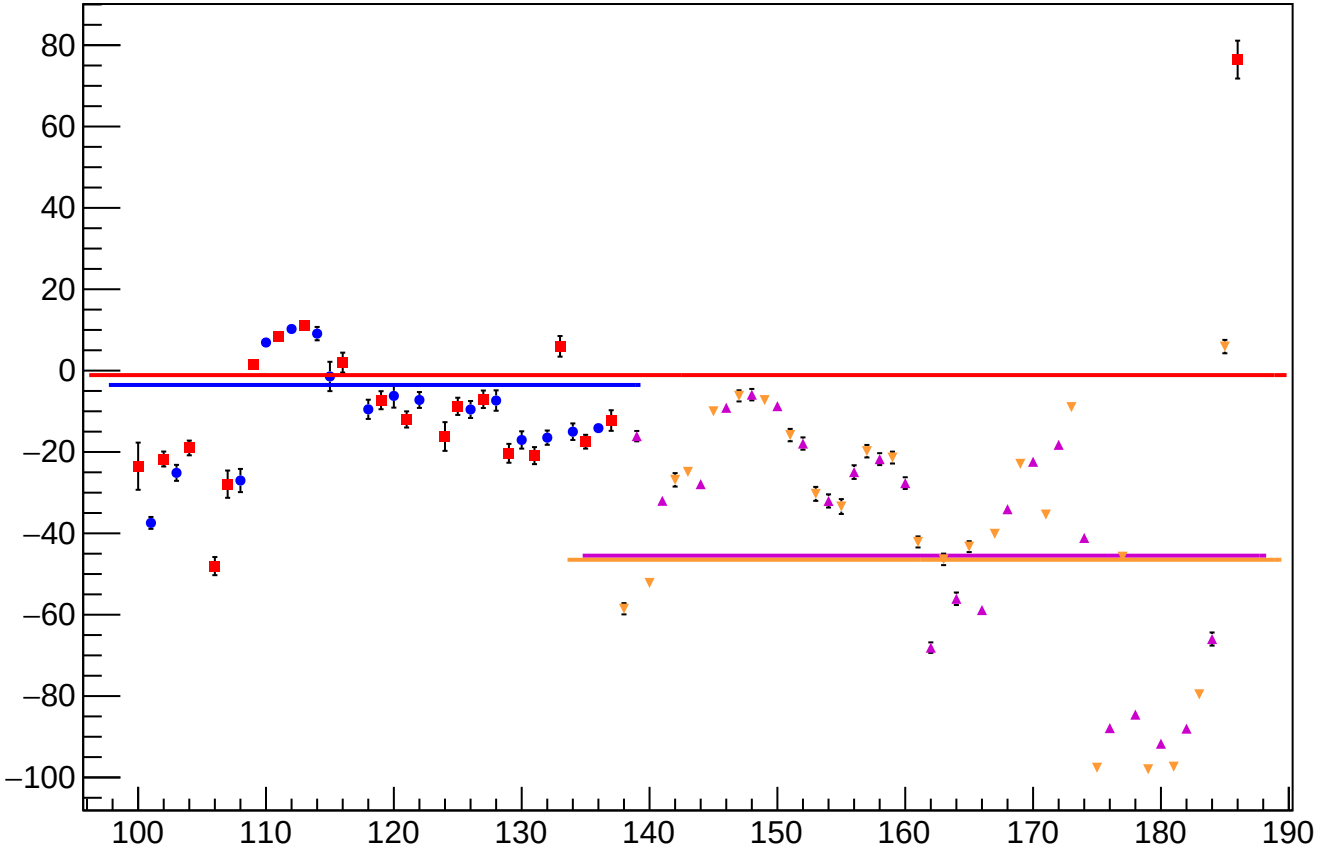
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.939+/-0.012 χ^2/NDF: 1244.9/40

All: 0.921+/-0.008 χ^2/NDF: 3166.8/83

- sign 0.902+/-0.012 χ^2/NDF: 1917.0/42

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -1.103+/-0.338 χ^2/NDF: 1803.8/19

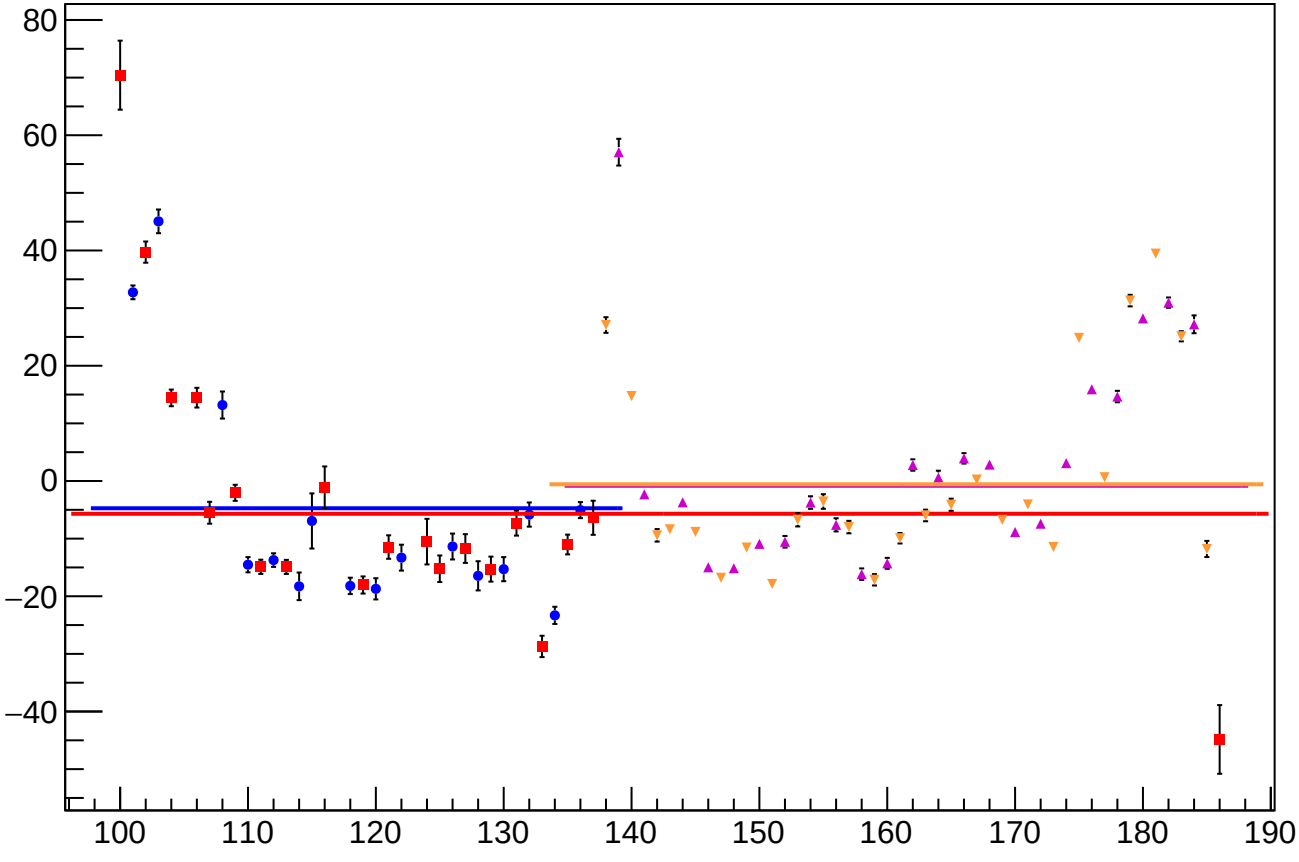
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.822+/-0.196 χ^2/NDF: 31048.1/40

All: -32.778+/-0.138 χ^2/NDF: 60195.4/83

- sign -30.775+/-0.194 χ^2/NDF: 28932.8/42

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -5.687+/-0.421 χ^2/NDF: 1551.9/19

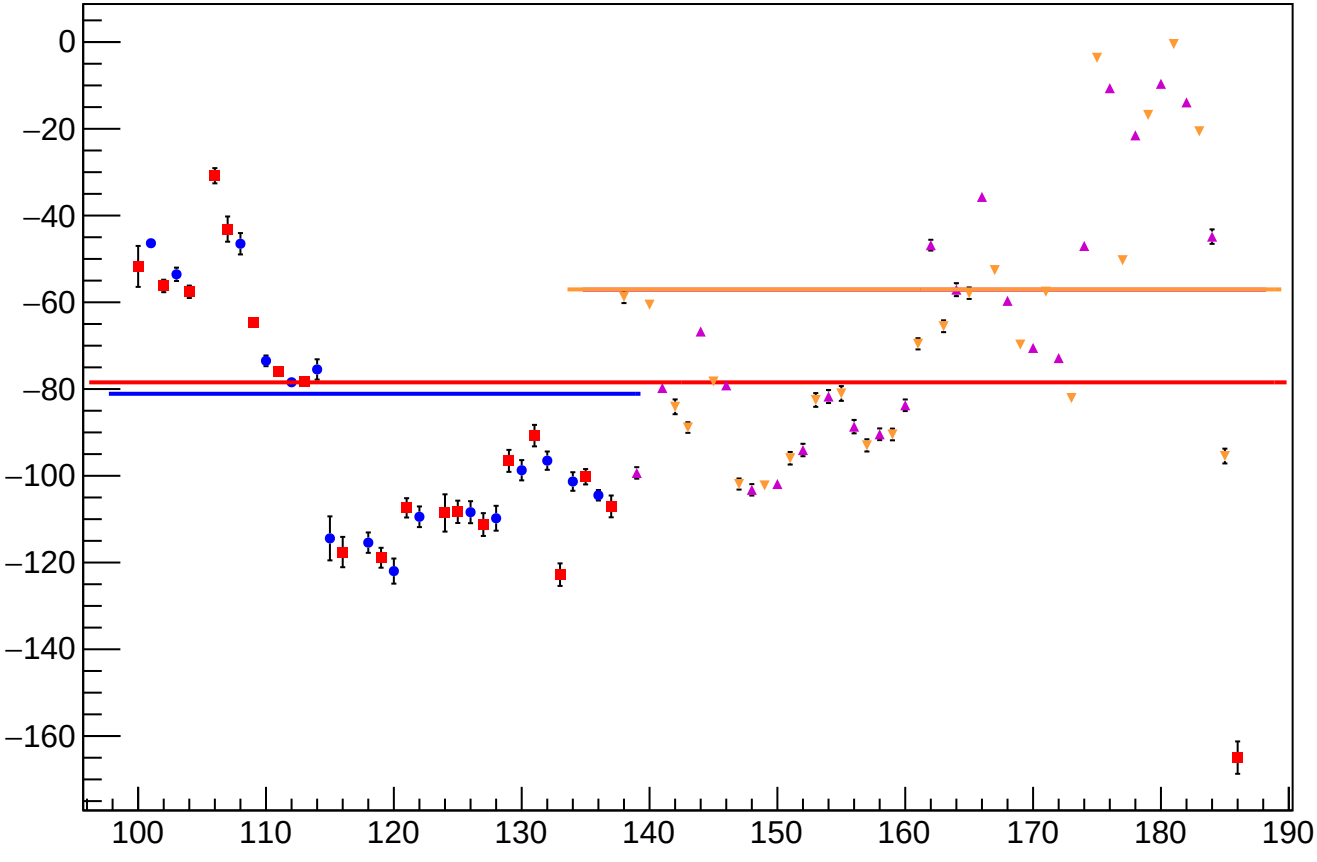
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -1.174+/-0.164 χ^2/NDF: 10679.1/40

All: -1.382+/-0.117 χ^2/NDF: 18462.9/83

- sign -1.600+/-0.168 χ^2/NDF: 7780.5/42

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -78.458+/-0.414 χ^2/NDF: 3673.7/19

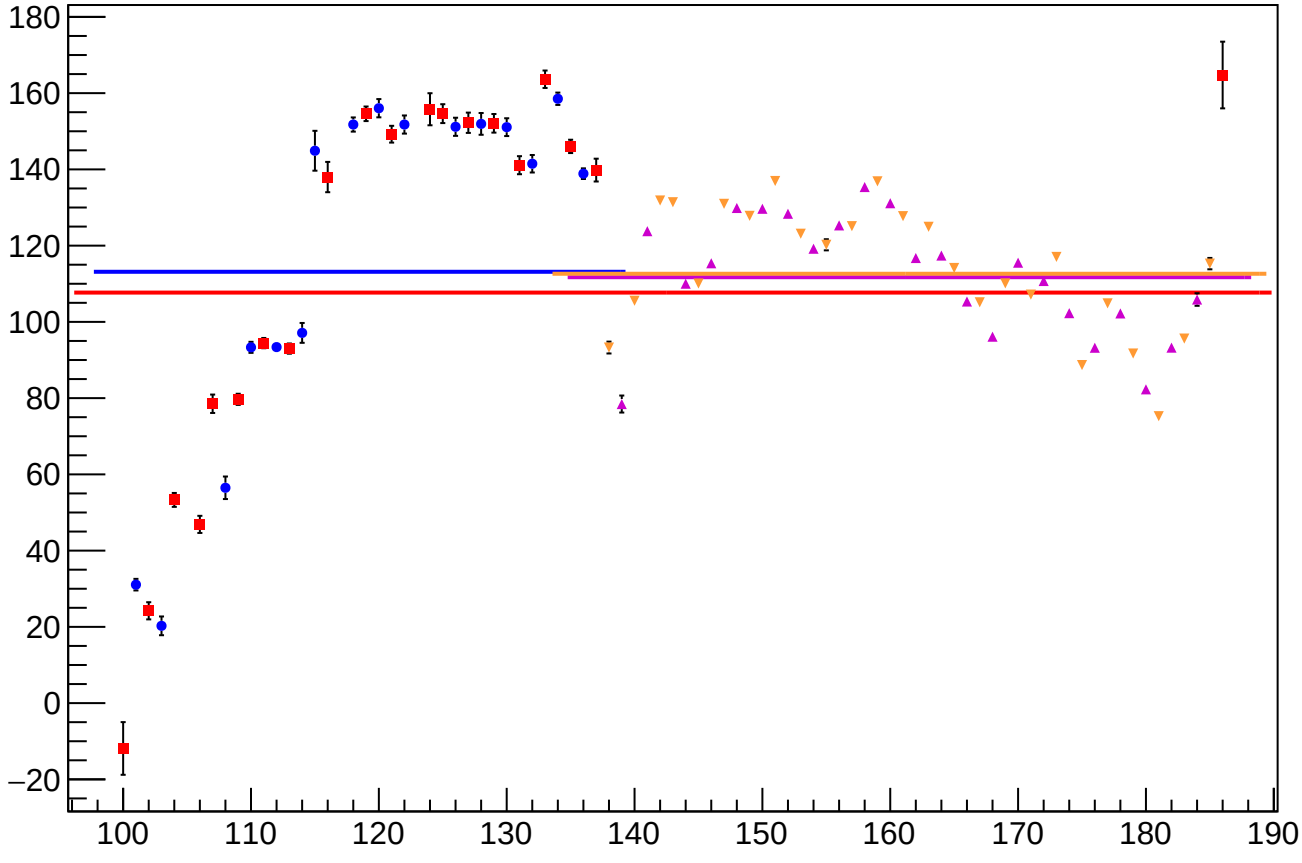
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

\+ sign -62.218+/-0.204 χ^2/NDF: 25542.7/40

All: -62.282+/-0.145 χ^2/NDF: 48390.4/83

\- sign -62.346+/-0.205 χ^2/NDF: 22847.6/42

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 107.686+/-0.479 χ^2/NDF: 7586.7/19

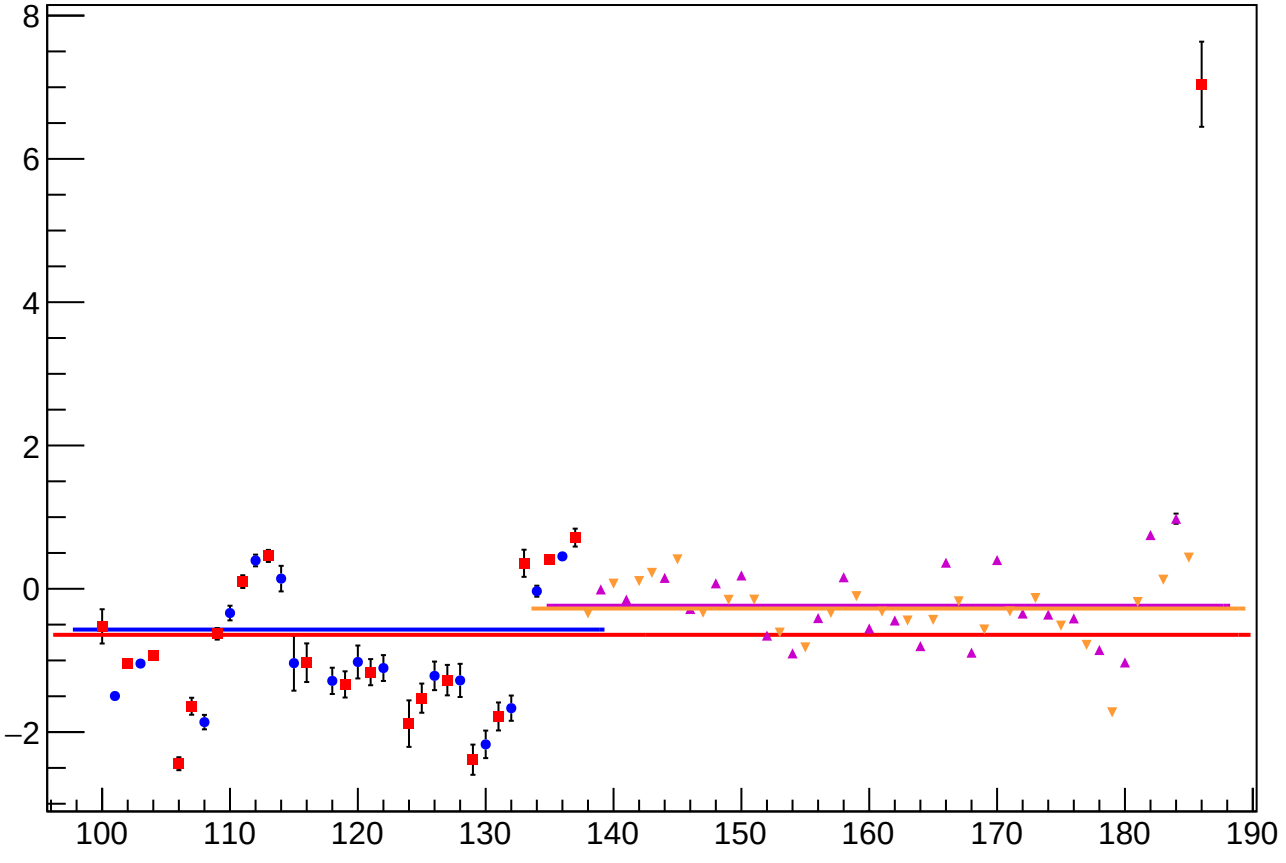
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.699+/-0.185 χ^2/NDF: 14913.0/40

All: 111.912+/-0.132 χ^2/NDF: 27493.4/83

- sign 111.089+/-0.189 χ^2/NDF: 12543.4/42

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.643+/-0.025 χ^2/NDF: 1482.8/19

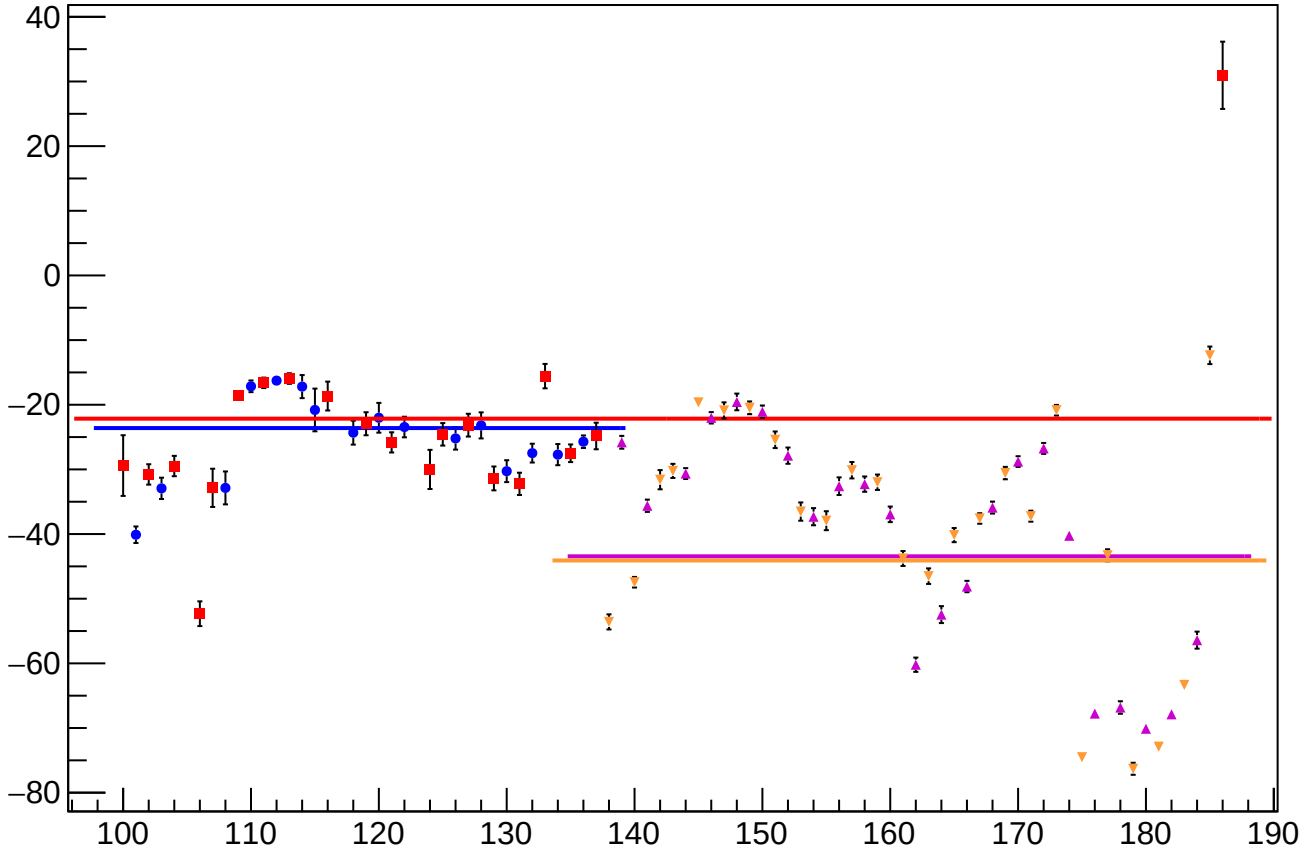
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.308+/-0.008 χ^2/NDF: 3335.1/40

All: -0.296+/-0.006 χ^2/NDF: 8012.5/83

- sign -0.284+/-0.009 χ^2/NDF: 4673.6/42

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -22.151+/-0.321 χ^2/NDF: 656.4/19

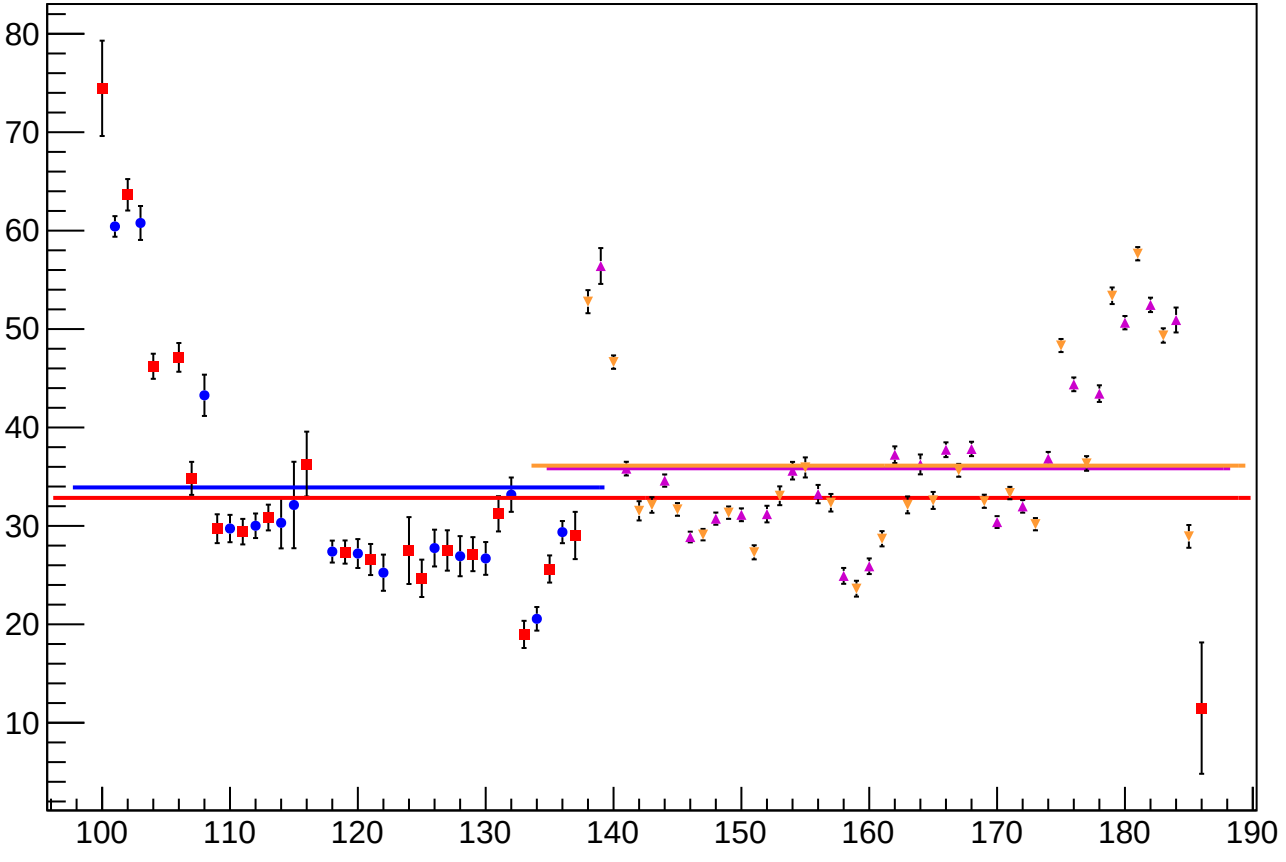
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -39.275+/-0.169 χ^2/NDF: 13391.9/40

All: -38.413+/-0.119 χ^2/NDF: 25100.0/83

- sign -37.549+/-0.169 χ^2/NDF: 11655.9/42

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 32.845+/-0.372 χ^2/NDF: 885.2/19

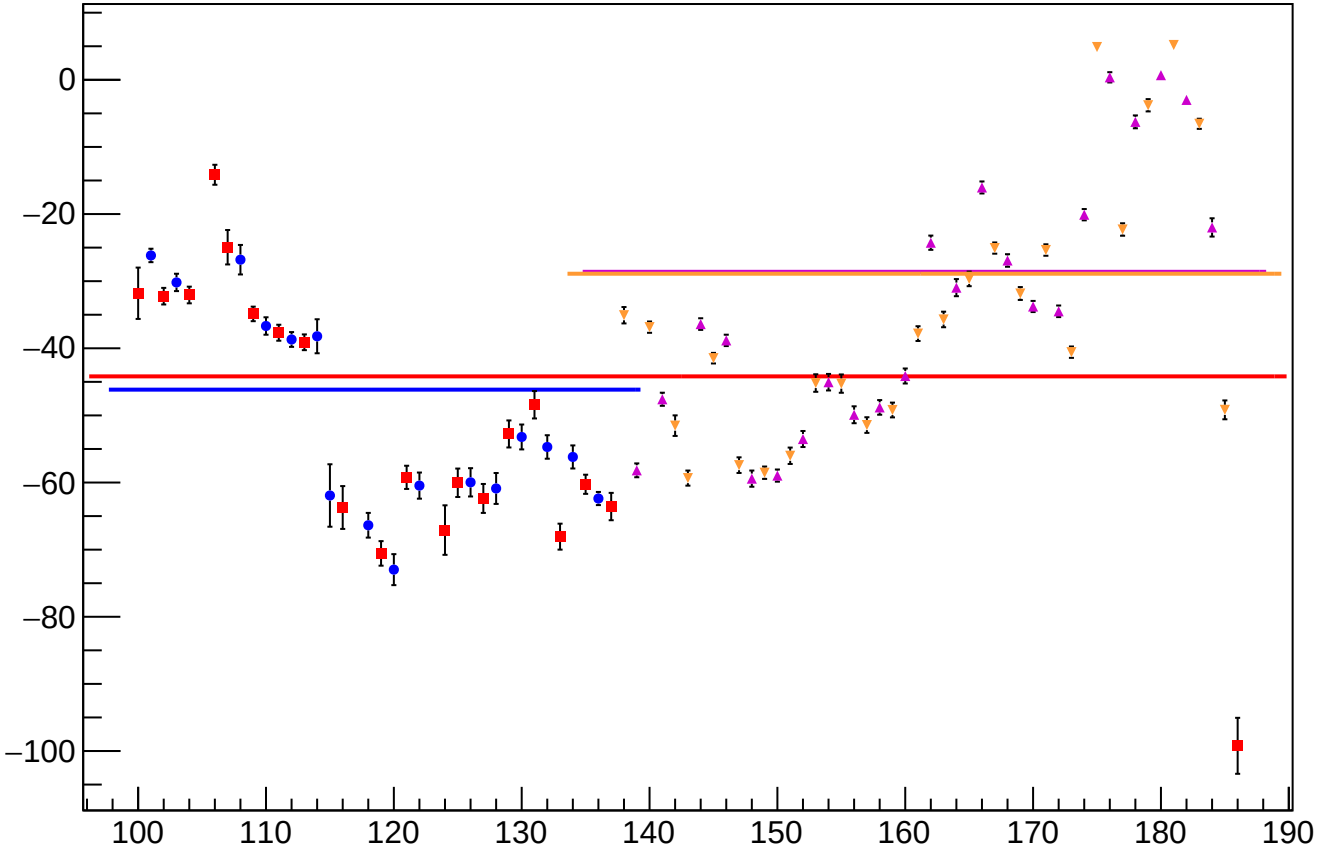
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

\+ sign 35.818+/-0.139 χ^2/NDF: 4773.0/40

All: 35.618+/-0.100 χ^2/NDF: 8011.6/83

\- sign 35.408+/-0.143 χ^2/NDF: 3234.4/42

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -44.183+/-0.377 χ^2/NDF: 1839.0/19

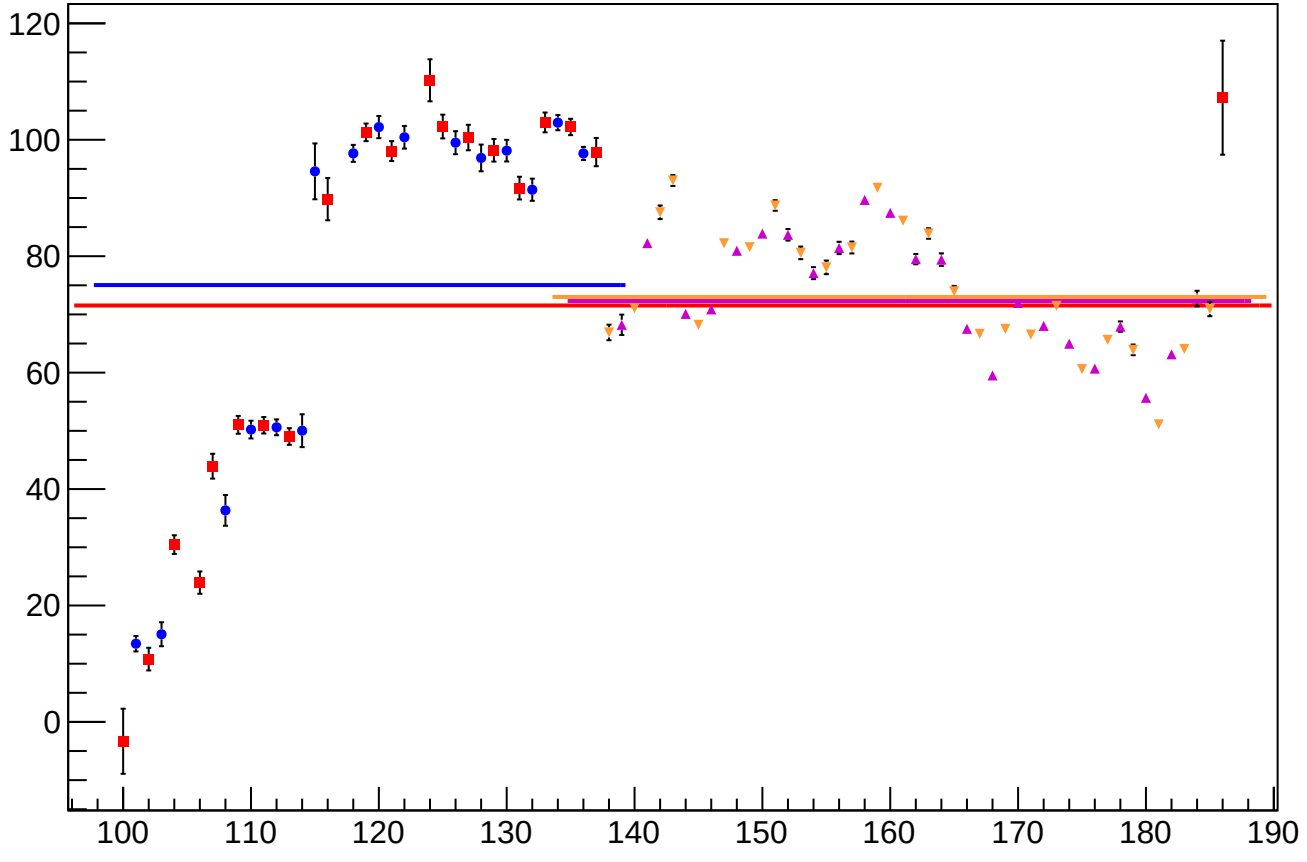
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

\+ sign -32.284+/-0.173 χ^2/NDF: 14865.0/40

All: -32.129+/-0.123 χ^2/NDF: 28060.8/83

\- sign -31.970+/-0.175 χ^2/NDF: 13194.2/42

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 71.536+/-0.425 χ^2/NDF: 5641.5/19

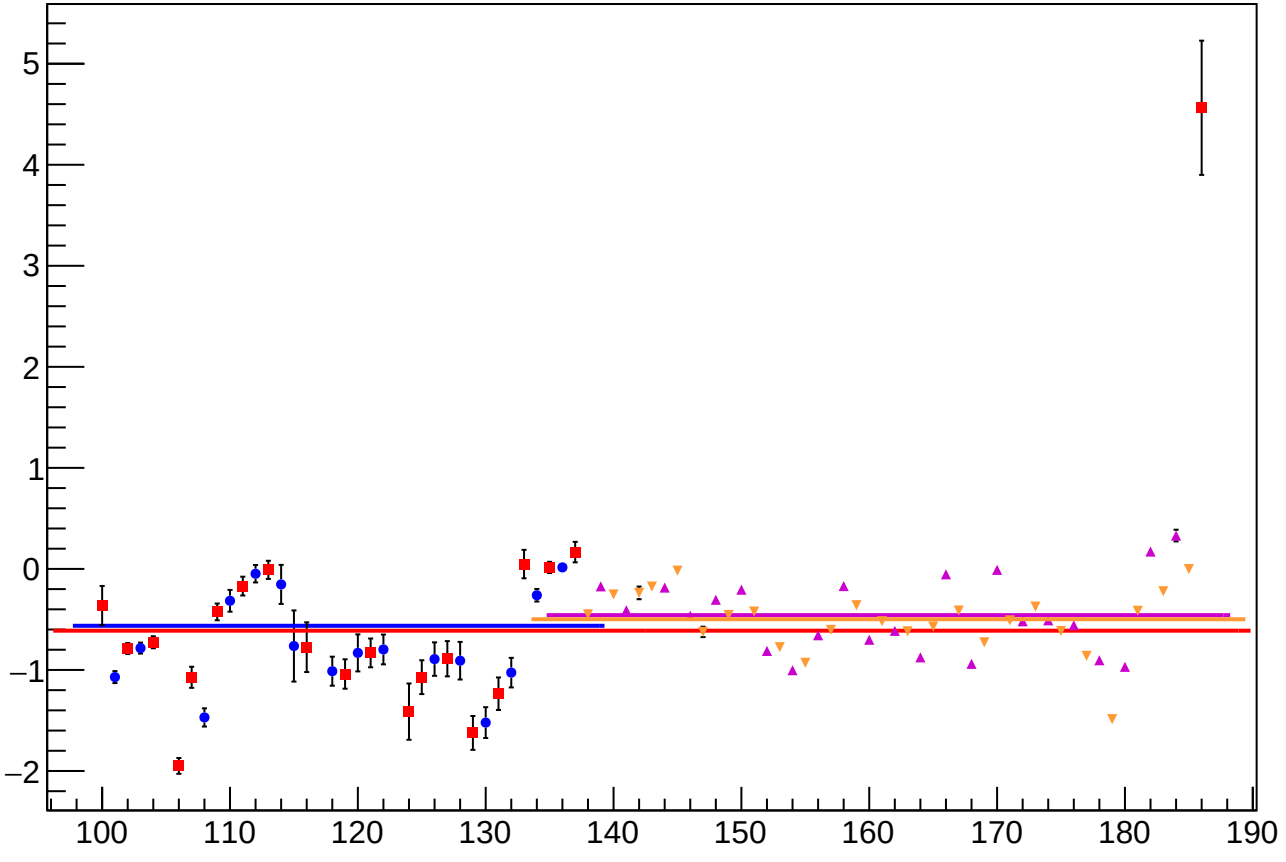
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 73.276+/-0.157 χ^2/NDF: 9900.4/40

All: 72.748+/-0.112 χ^2/NDF: 18480.6/83

- sign 72.193+/-0.161 χ^2/NDF: 8556.8/42

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.611+/-0.022 χ^2/NDF: 750.8/19

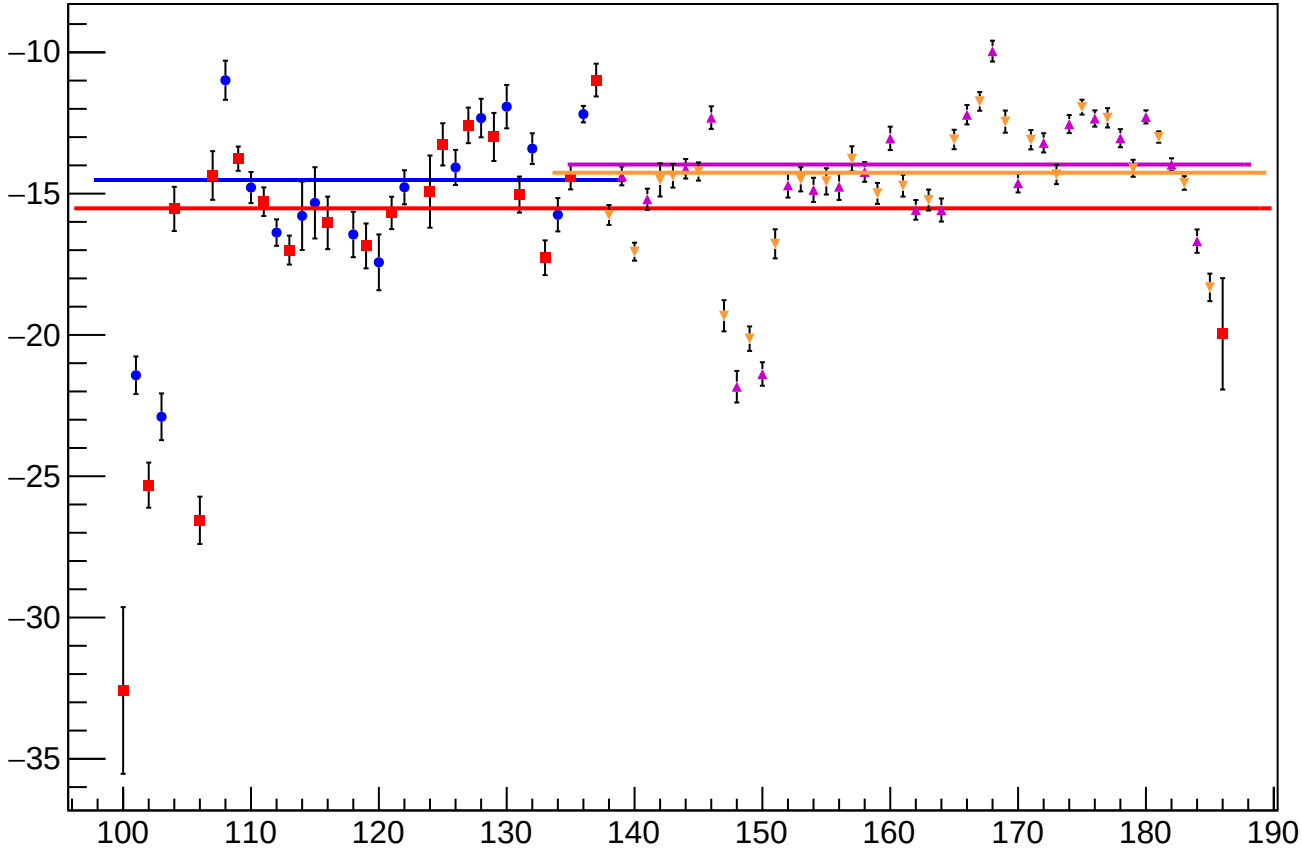
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.505+/-0.007 χ^2/NDF: 1983.5/40

All: -0.490+/-0.005 χ^2/NDF: 4889.6/83

- sign -0.474+/-0.007 χ^2/NDF: 2896.9/42

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -15.520+/-0.150 χ^2/NDF: 509.0/19

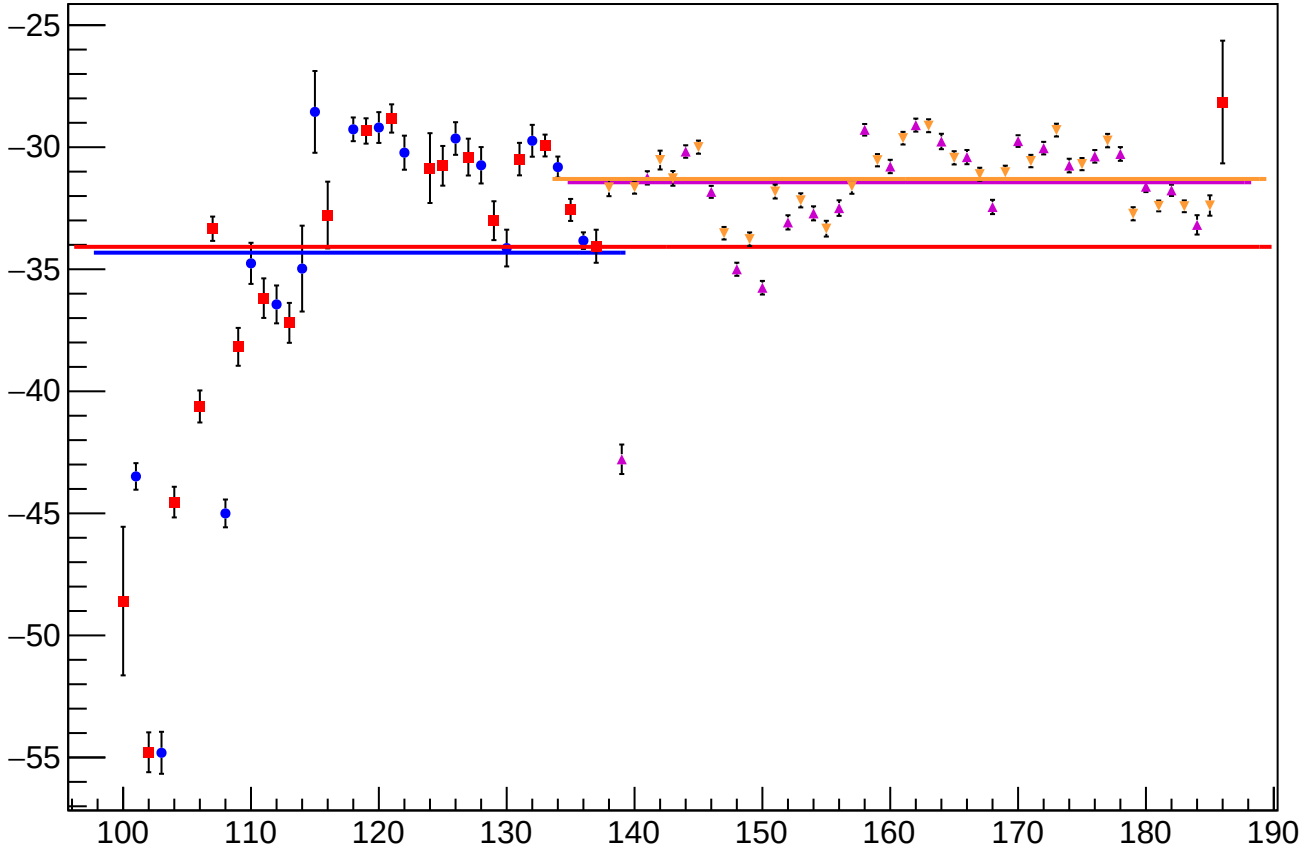
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.307+/-0.063 χ^2/NDF: 1089.8/40

All: -14.284+/-0.045 χ^2/NDF: 2594.0/83

- sign -14.261+/-0.065 χ^2/NDF: 1503.9/42

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -34.081+/-0.154 χ^2/NDF: 1440.4/19

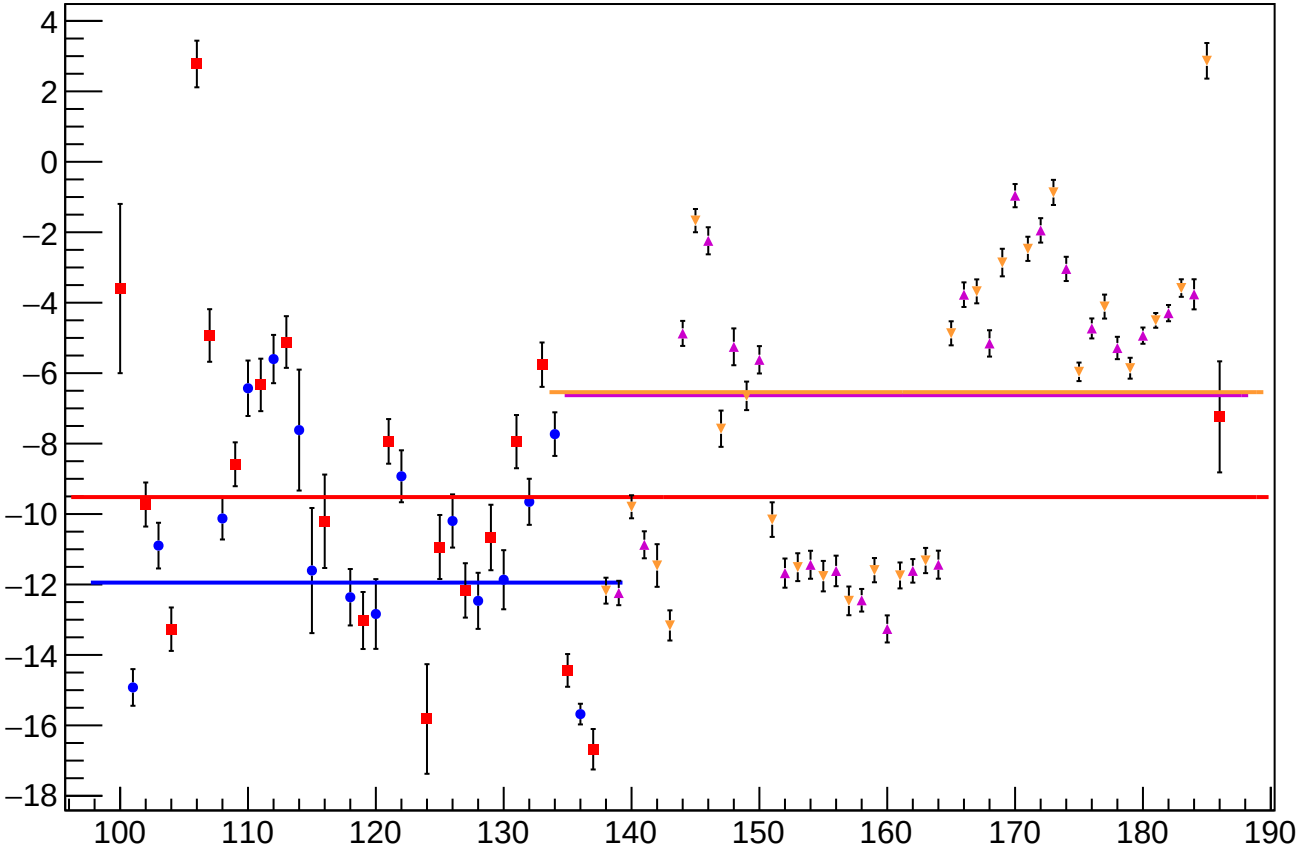
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.648+/-0.052 χ^2/NDF: 2517.3/40

All: -31.701+/-0.037 χ^2/NDF: 5434.4/83

- sign -31.758+/-0.054 χ^2/NDF: 2914.9/42

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.519+/-0.164 χ^2/NDF: 849.2/19

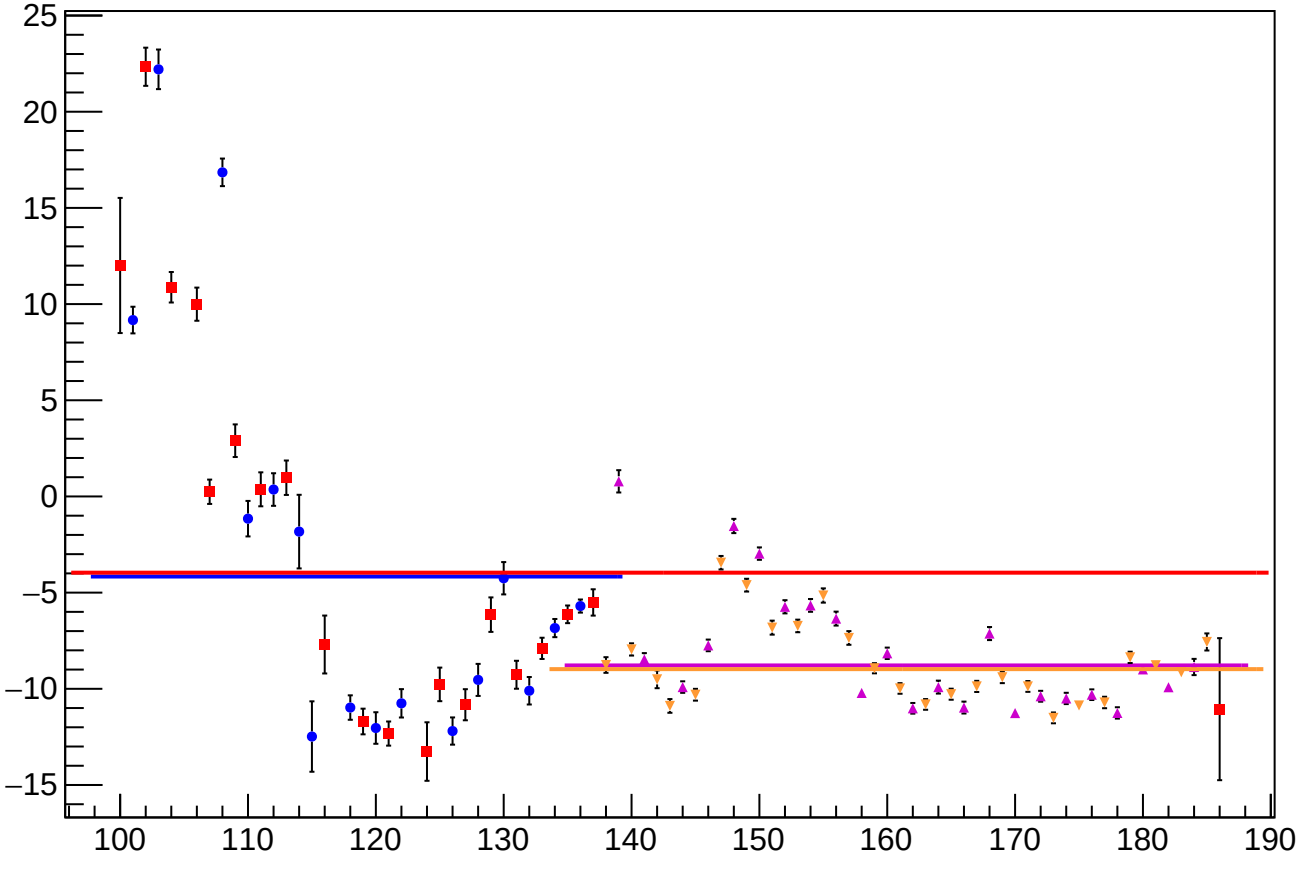
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.397+/-0.064 χ^2/NDF: 4631.6/40

All: -7.245+/-0.046 χ^2/NDF: 8661.4/83

- sign -7.085+/-0.065 χ^2/NDF: 4018.1/42

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

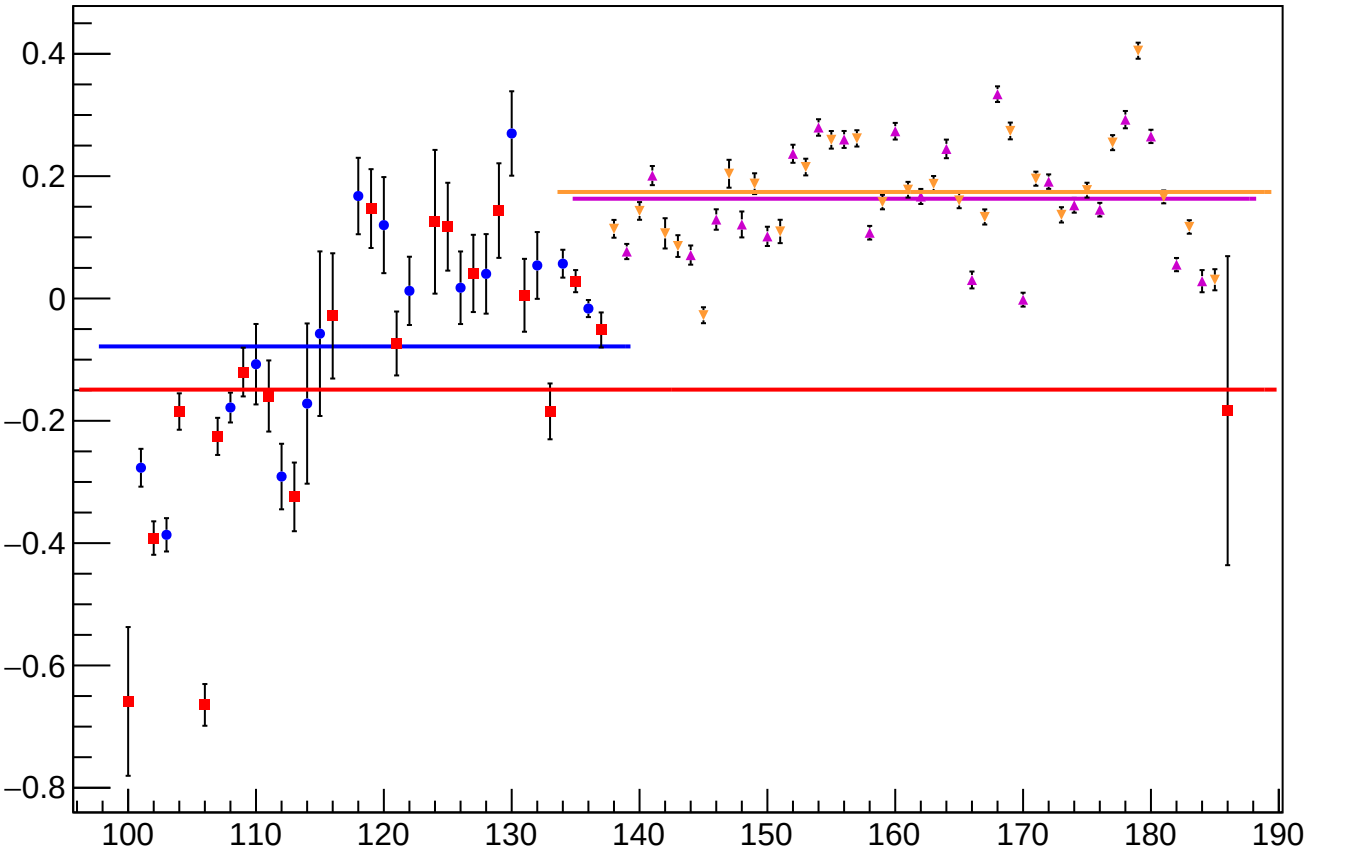
Right Out: -3.963+/-0.176 χ^2/NDF: 2113.9/19

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.432+/-0.058 χ^2/NDF: 4192.3/40

All: -8.334+/-0.042 χ^2/NDF: 8662.7/83

- sign -8.230+/-0.060 χ^2/NDF: 4464.6/42



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

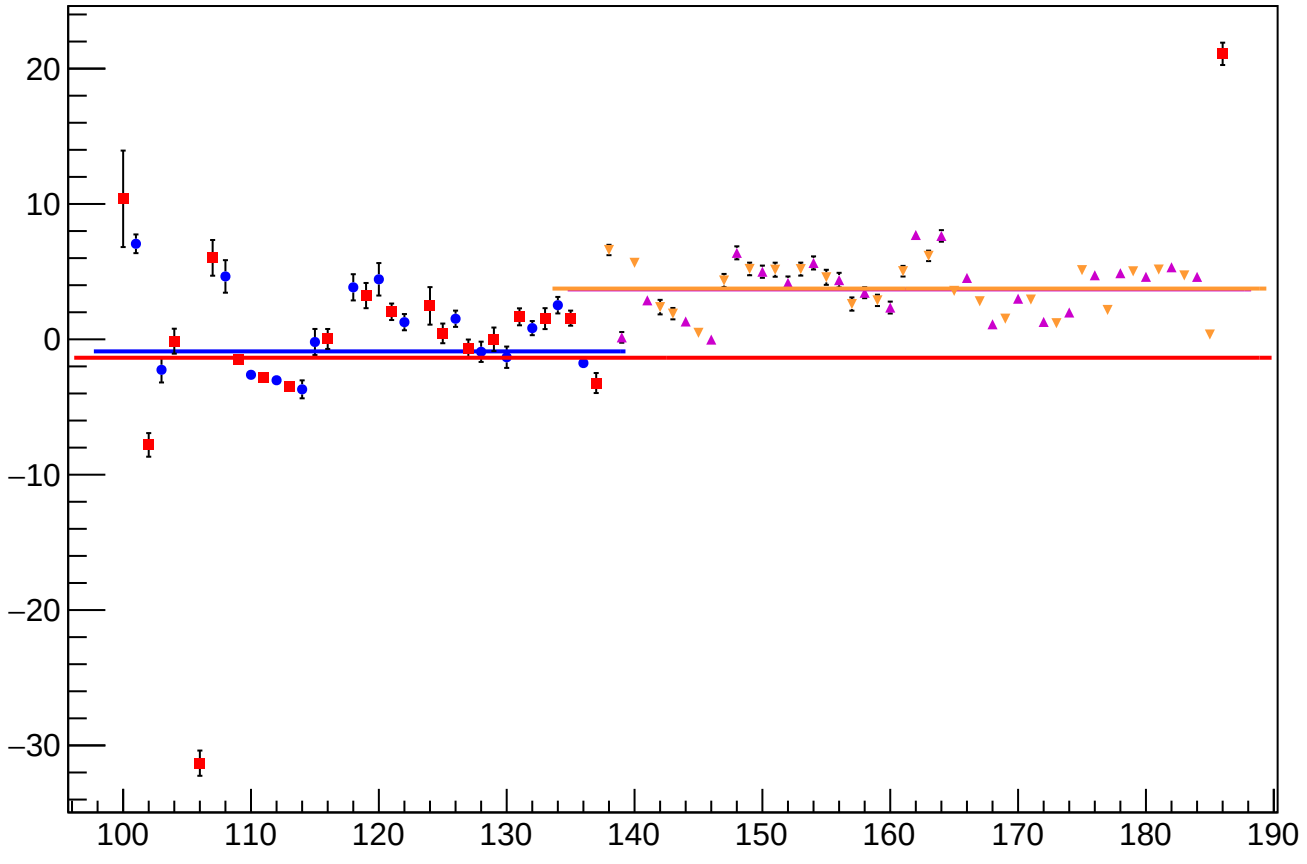
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/19

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.151+/-0.003 χ^2/NDF: 2030.5/40

All: 0.144+/-0.002 χ^2/NDF: 4849.1/83

- sign 0.136+/-0.003 χ^2/NDF: 2803.2/42



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

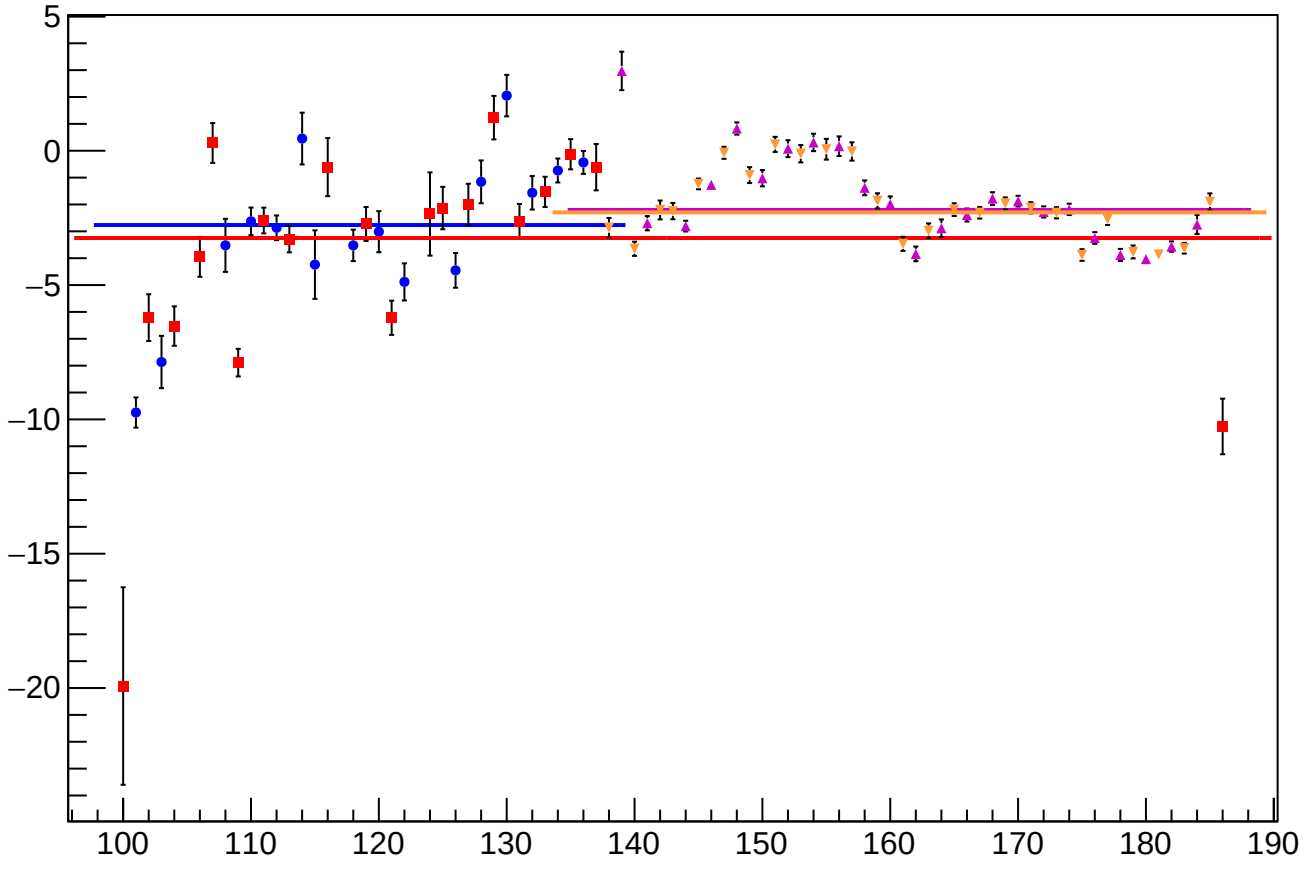
Right Out: -1.360+/-0.127 χ^2/NDF: 2089.3/19

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 2.958+/-0.056 χ^2/NDF: 2146.7/40

All: 2.814+/-0.040 χ^2/NDF: 6465.8/83

- sign 2.666+/-0.057 χ^2/NDF: 4306.0/42



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -3.249+/-0.156 χ^2/NDF: 319.5/19

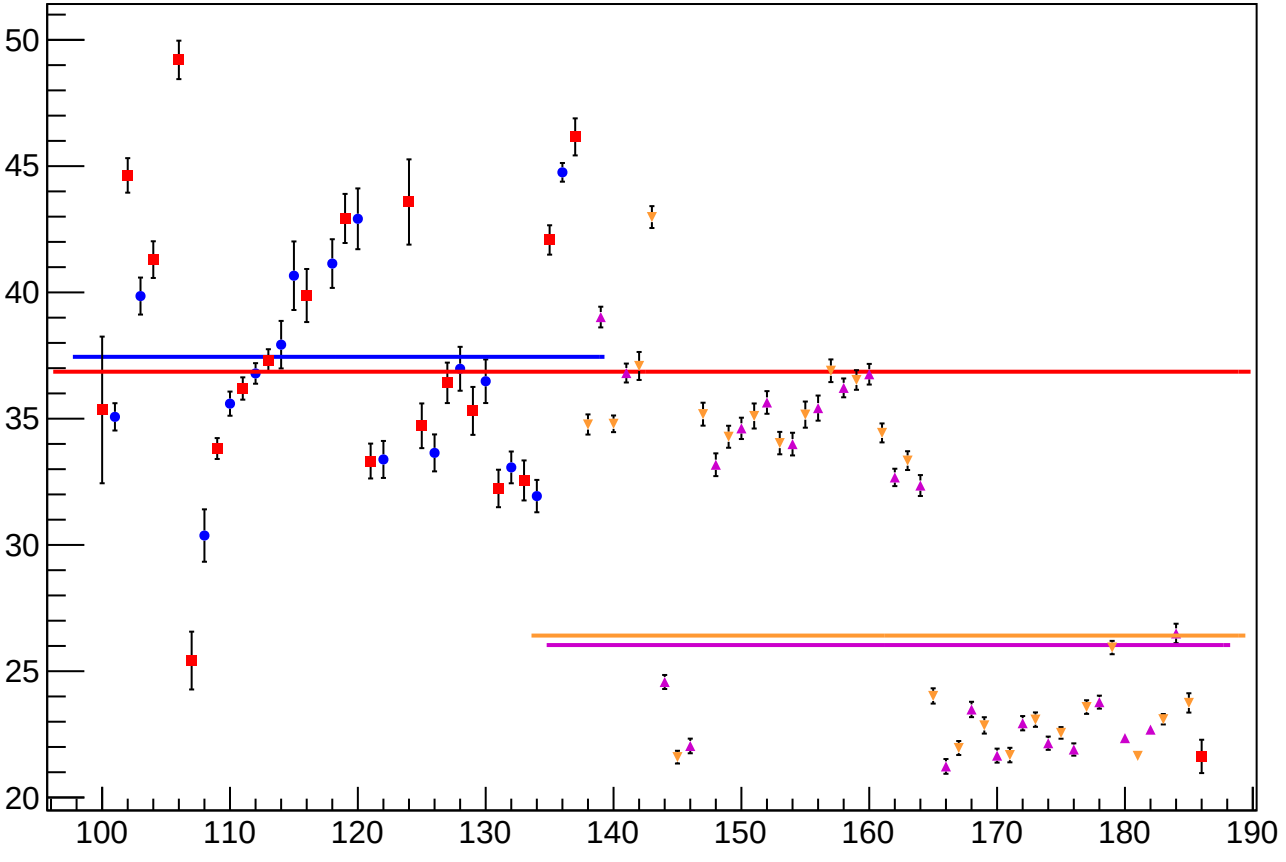
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.338+/-0.047 χ^2/NDF: 949.8/40

All: -2.321+/-0.034 χ^2/NDF: 2034.9/83

- sign -2.304+/-0.048 χ^2/NDF: 1084.8/42

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.860+/-0.155 χ^2/NDF: 1527.7/19

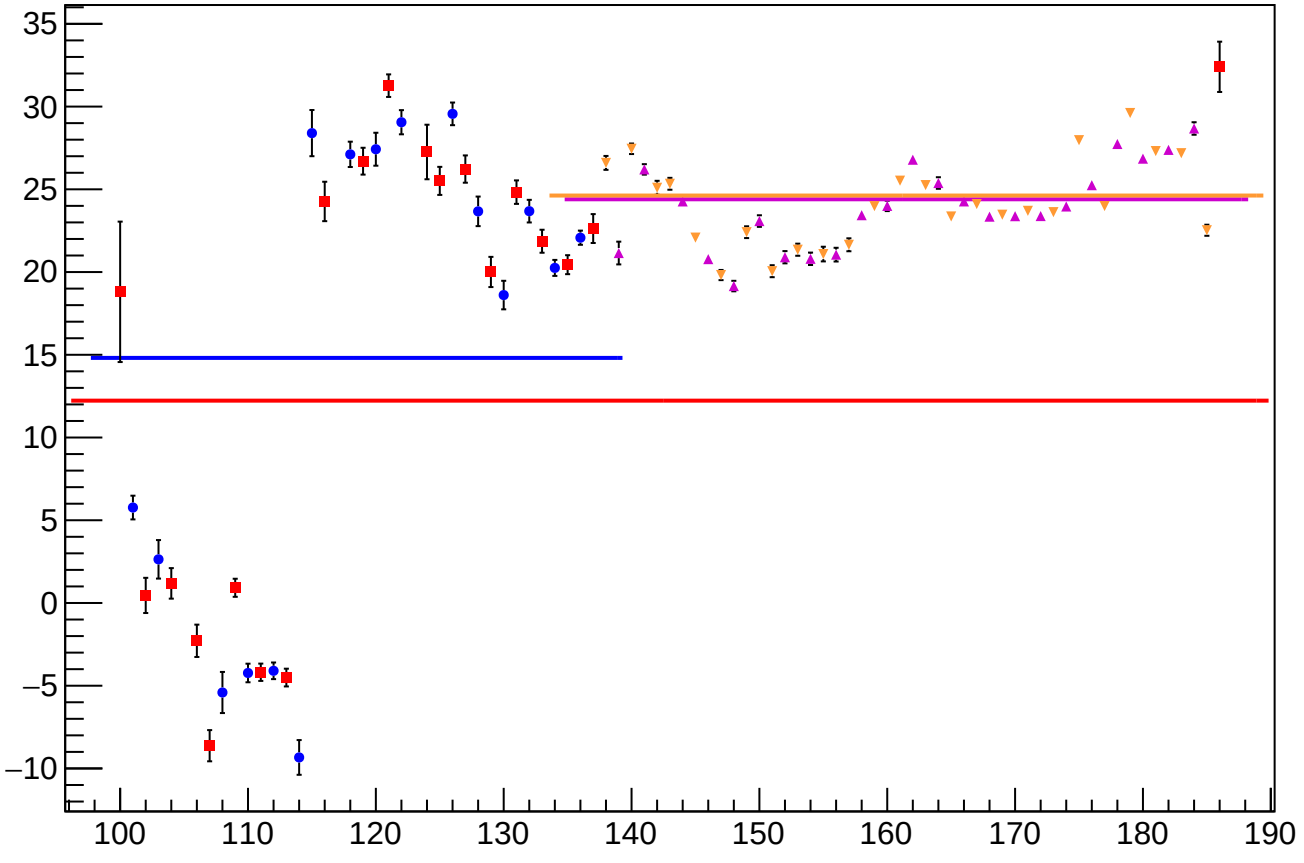
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.852+/-0.058 χ^2/NDF: 14029.8/40

All: 27.732+/-0.041 χ^2/NDF: 27579.7/83

- sign 27.608+/-0.059 χ^2/NDF: 13541.2/42

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

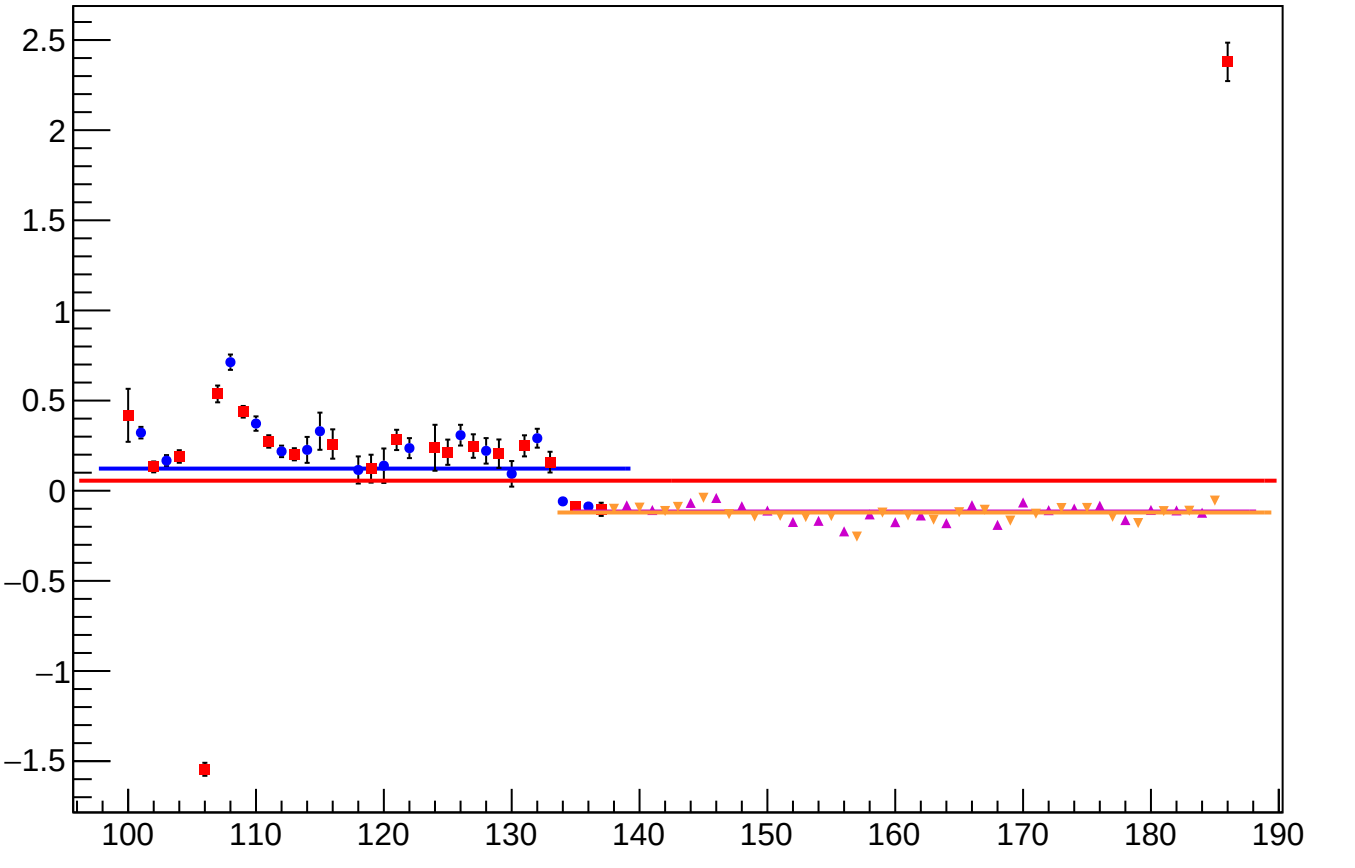
Right Out: 12.228+/-0.176 χ^2/NDF: 6284.1/19

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.727+/-0.053 χ^2/NDF: 10530.3/40

All: 23.497+/-0.038 χ^2/NDF: 22919.8/83

- sign 23.258+/-0.054 χ^2/NDF: 12350.6/42



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.056+/-0.010 χ^2/NDF: 2894.3/19

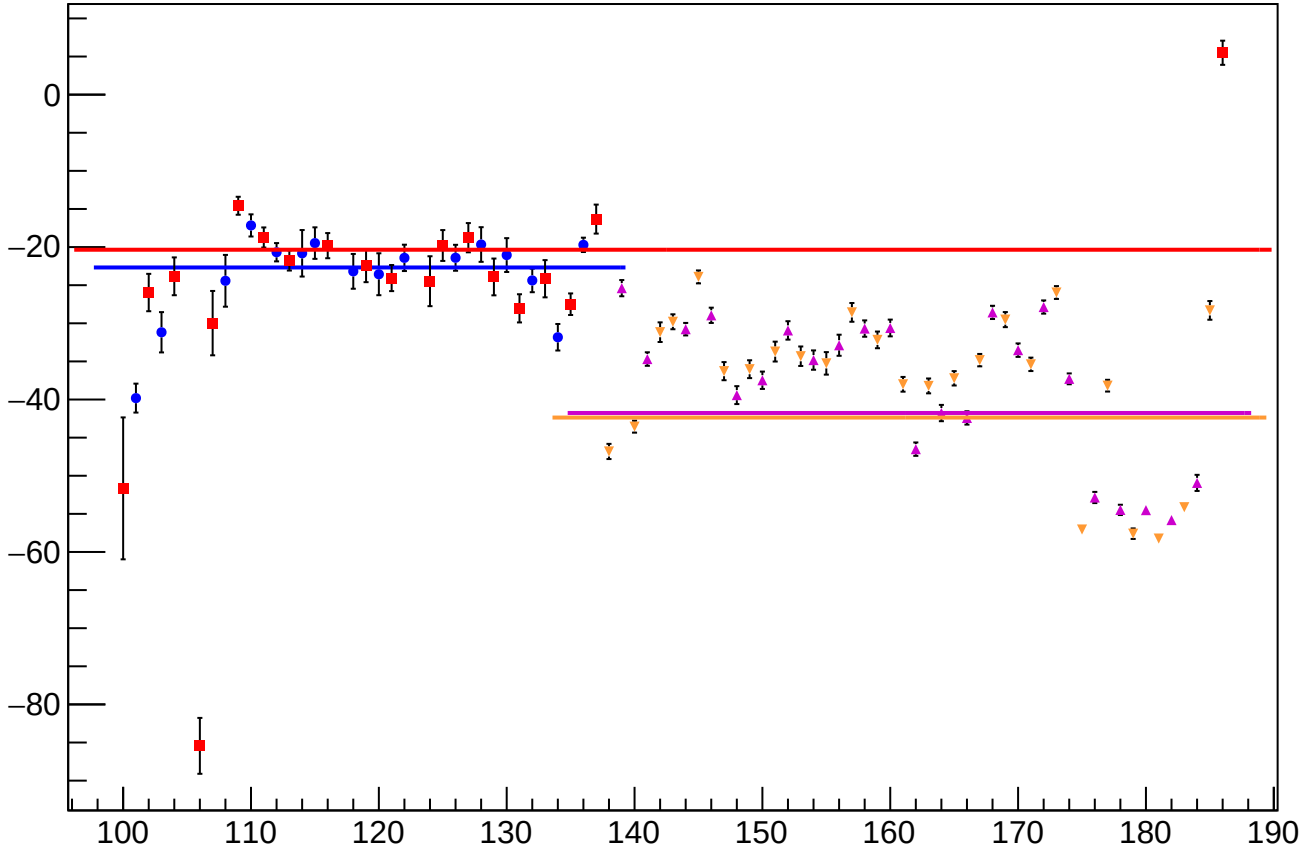
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

+ sign -0.105+/-0.002 χ^2/NDF: 1409.8/40

All: -0.105+/-0.002 χ^2/NDF: 4884.2/83

- sign -0.105+/-0.002 χ^2/NDF: 3474.4/42

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

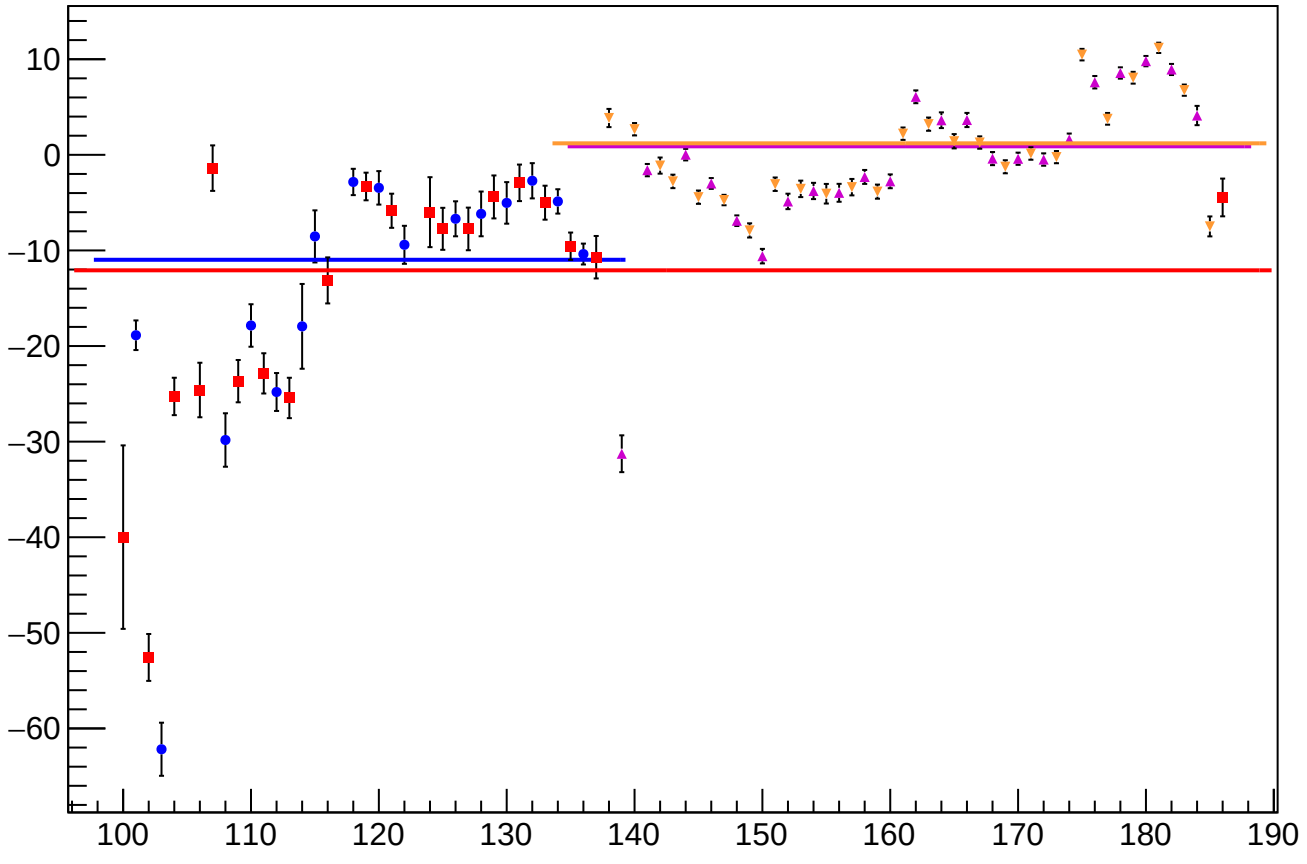
Right Out: -20.348+/-0.420 χ^2/NDF: 691.1/19

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.612+/-0.162 χ^2/NDF: 6398.0/40

All: -39.013+/-0.116 χ^2/NDF: 12769.2/83

- sign -38.383+/-0.167 χ^2/NDF: 6343.3/42



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -12.081+/-0.467 χ^2/NDF: 588.1/19

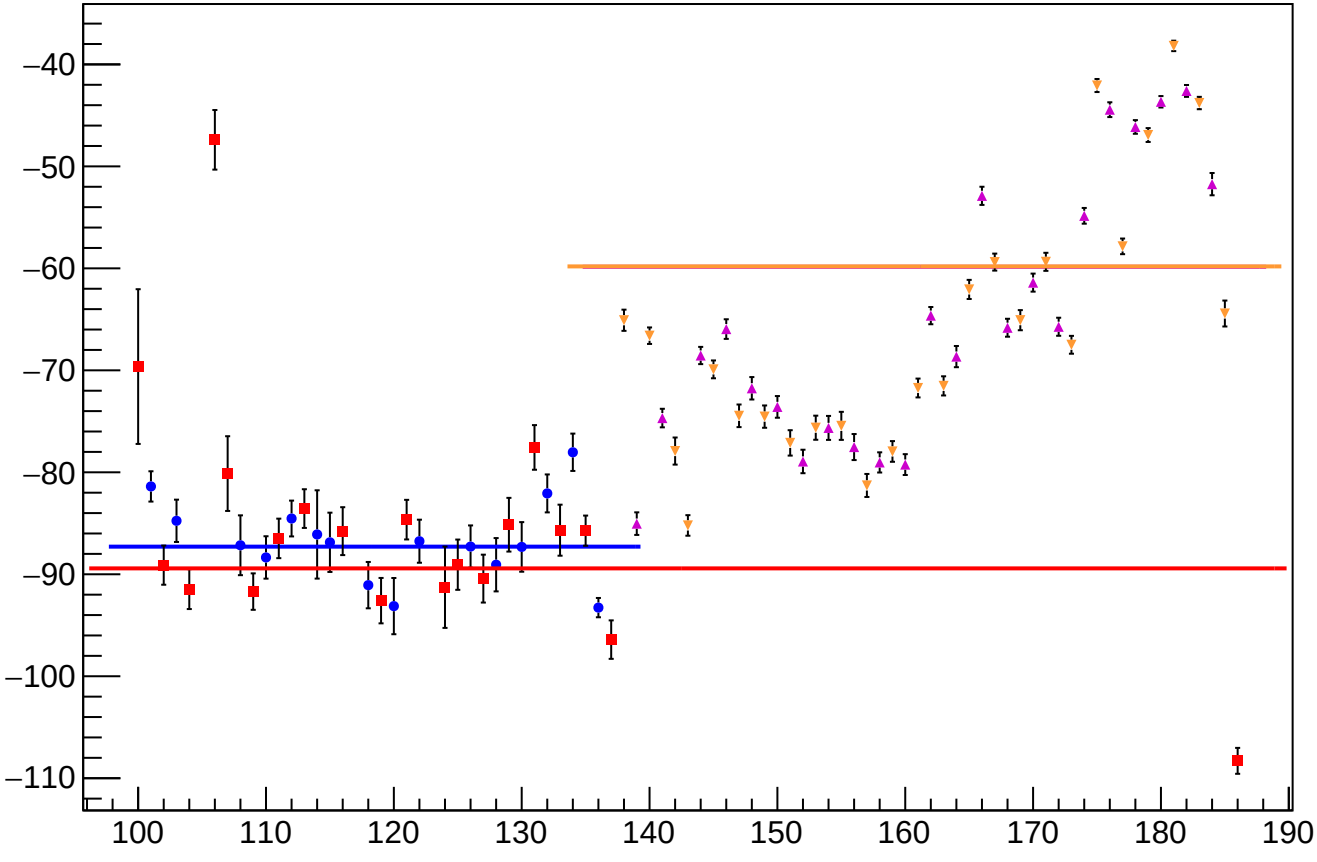
Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

\+ sign 0.168+/-0.132 χ^2/NDF: 2711.5/40

All: -0.019+/-0.095 χ^2/NDF: 5771.6/83

\- sign -0.220+/-0.137 χ^2/NDF: 3055.9/42

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

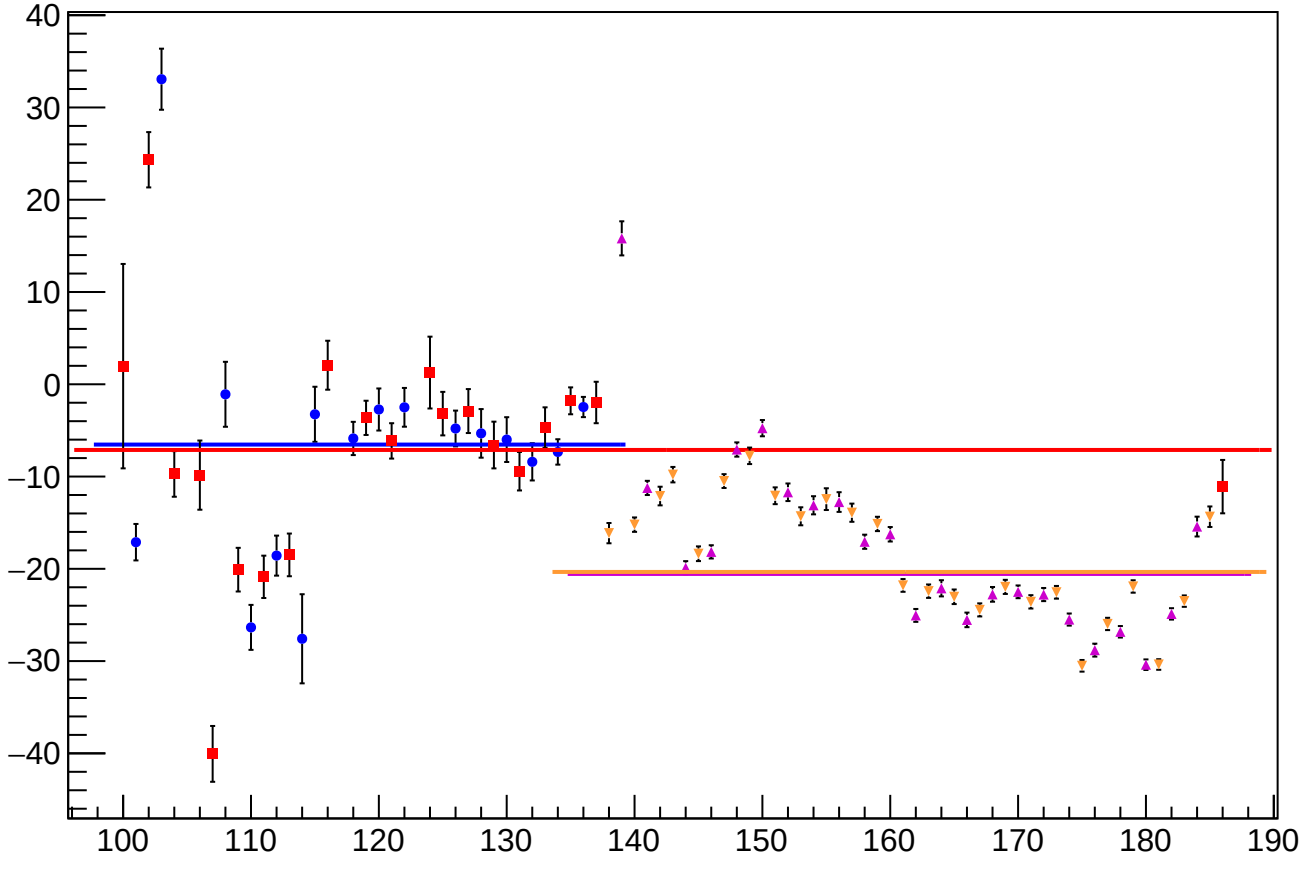
Right Out: -89.423+/-0.470 χ^2/NDF: 520.4/19

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.036+/-0.165 χ^2/NDF: 9632.3/40

All: -63.344+/-0.118 χ^2/NDF: 19141.6/83

- sign -63.668+/-0.169 χ^2/NDF: 9502.2/42



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -7.118+/-0.532 χ^2/NDF: 370.3/19

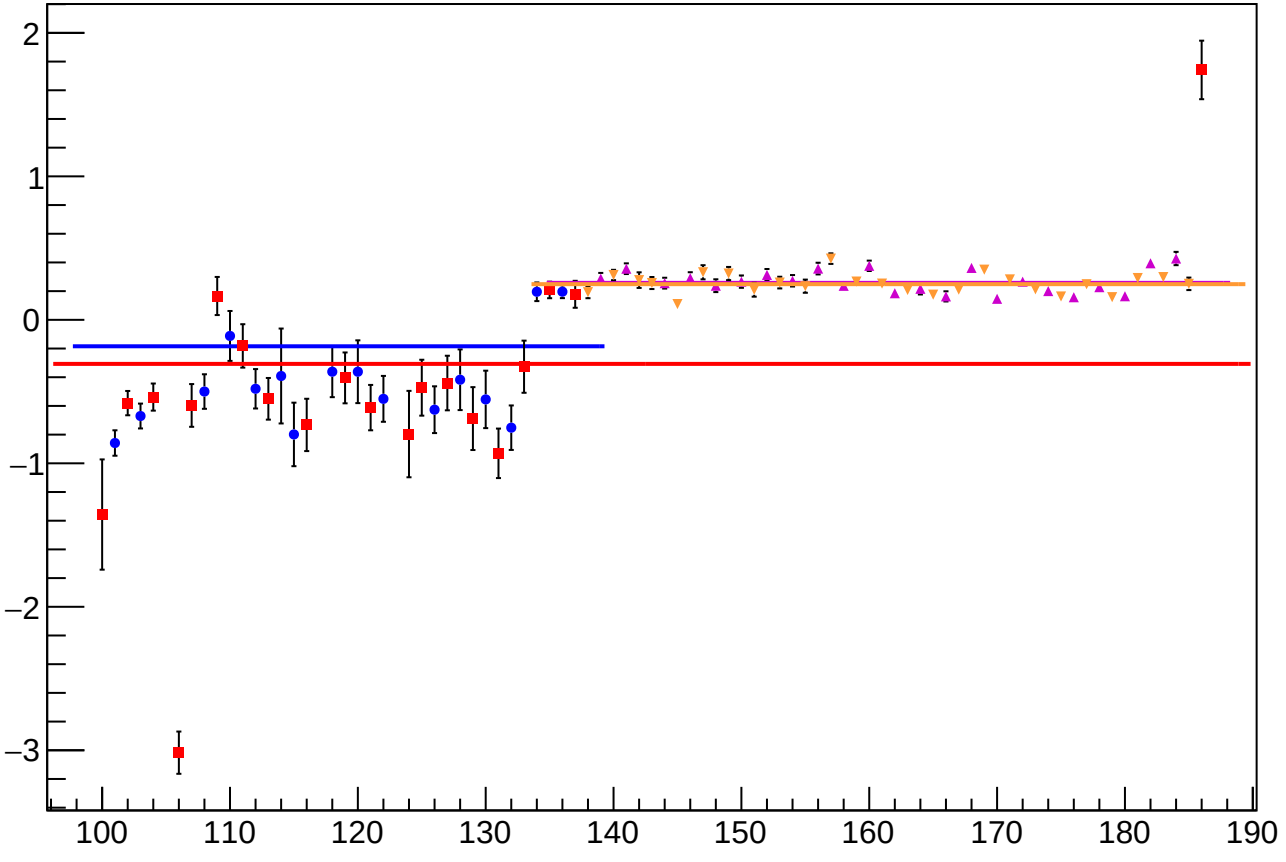
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

\+ sign -19.168+/-0.148 χ^2/NDF: 2691.1/40

All: -19.303+/-0.106 χ^2/NDF: 5841.3/83

\- 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: 247.3/15

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.307+/-0.029 χ^2/NDF: 619.5/19

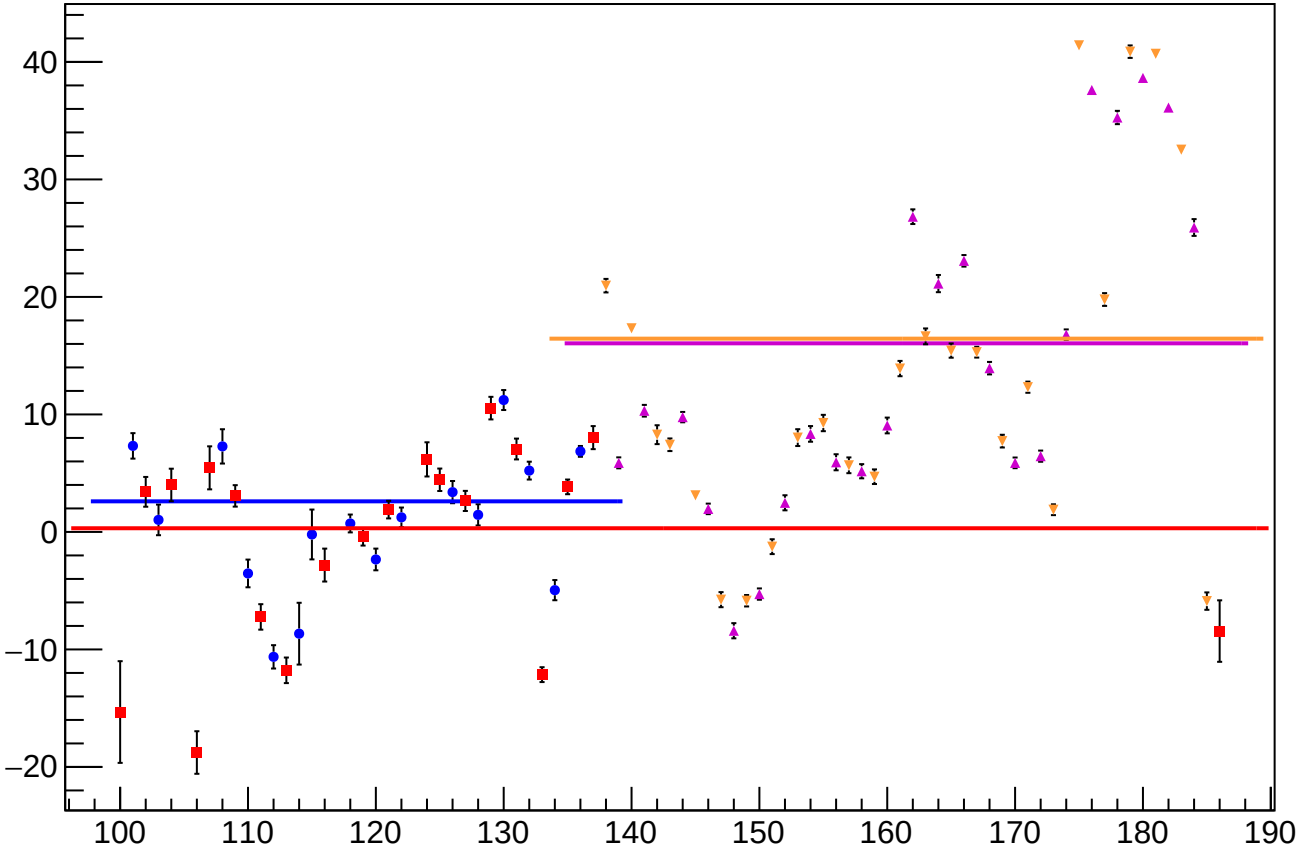
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.221+/-0.007 χ^2/NDF: 585.6/40

All: 0.223+/-0.005 χ^2/NDF: 1696.7/83

- sign 0.226+/-0.007 χ^2/NDF: 1110.9/42

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.314+/-0.221 χ^2/NDF: 1042.1/19

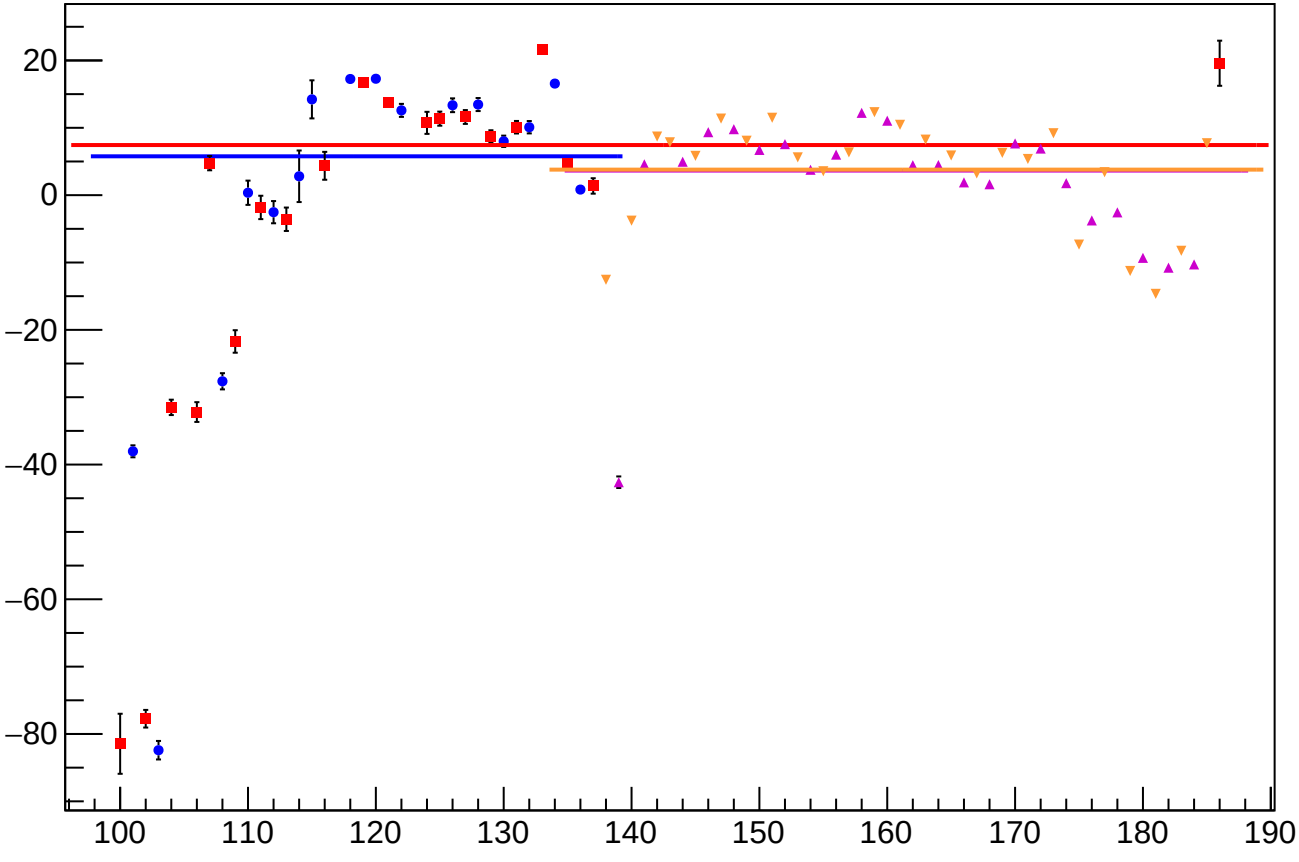
Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

\+ sign 13.995+/-0.094 χ^2/NDF: 25113.8/40

All: 13.539+/-0.067 χ^2/NDF: 47919.9/83

\- sign 13.062+/-0.097 χ^2/NDF: 22758.3/42

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: 7.441+/-0.208 χ^2/NDF: 8403.8/19

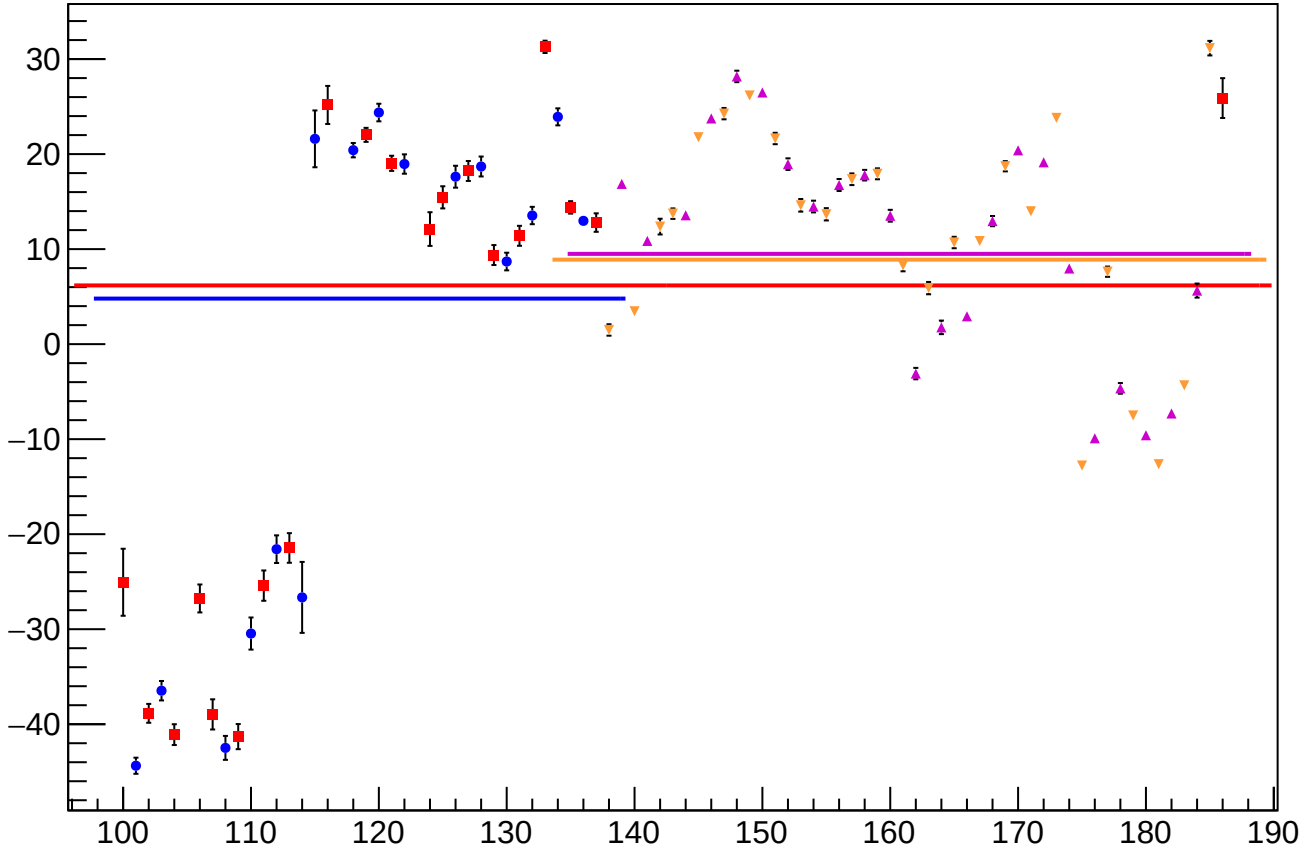
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 4.042+/-0.075 χ^2/NDF: 18112.0/40

All: 4.103+/-0.054 χ^2/NDF: 35113.7/83

- sign 4.168+/-0.077 χ^2/NDF: 17000.3/42

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

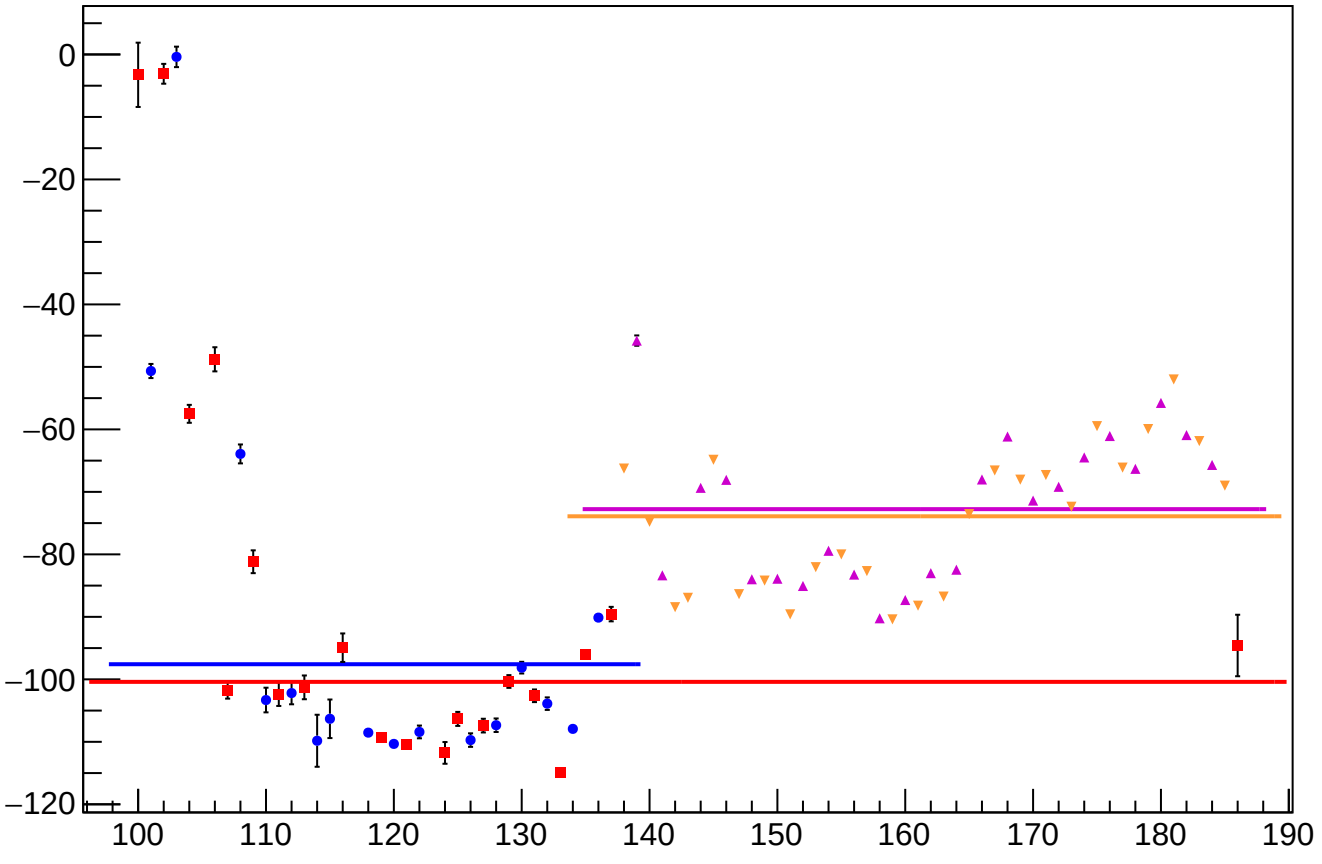
Right Out: 6.180+/-0.238 χ^2/NDF: 10149.1/19

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 8.235+/-0.095 χ^2/NDF: 25175.1/40

All: 8.583+/-0.068 χ^2/NDF: 48554.4/83

- sign 8.947+/-0.097 χ^2/NDF: 23351.8/42



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -100.404+/-0.241 χ^2/NDF: 7117.1/19

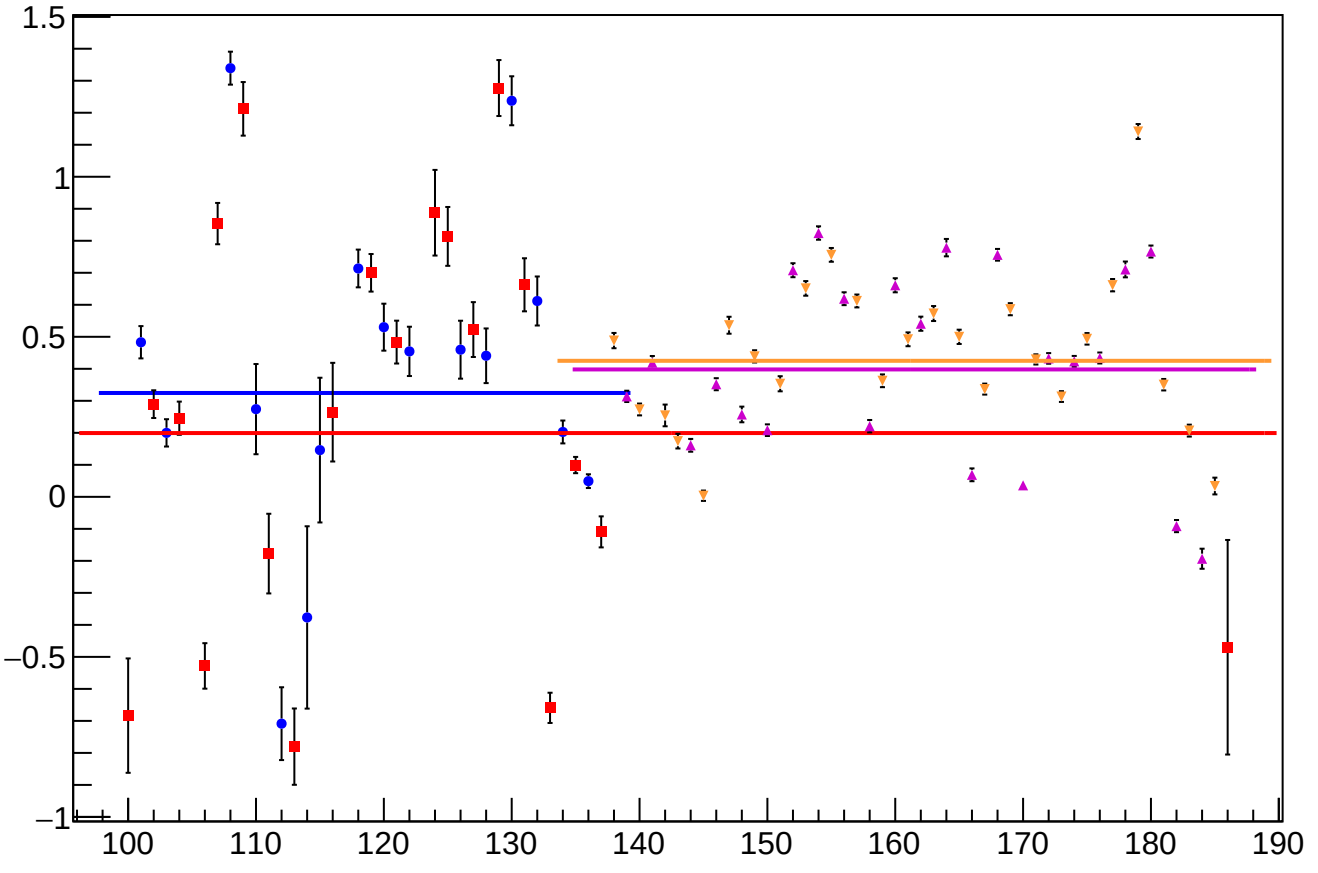
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -76.816+/-0.085 χ^2/NDF: 31127.1/40

All: -76.602+/-0.061 χ^2/NDF: 62334.8/83

- sign -76.376+/-0.087 χ^2/NDF: 31194.6/42

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.199+/-0.014 χ^2/NDF: 1210.3/19

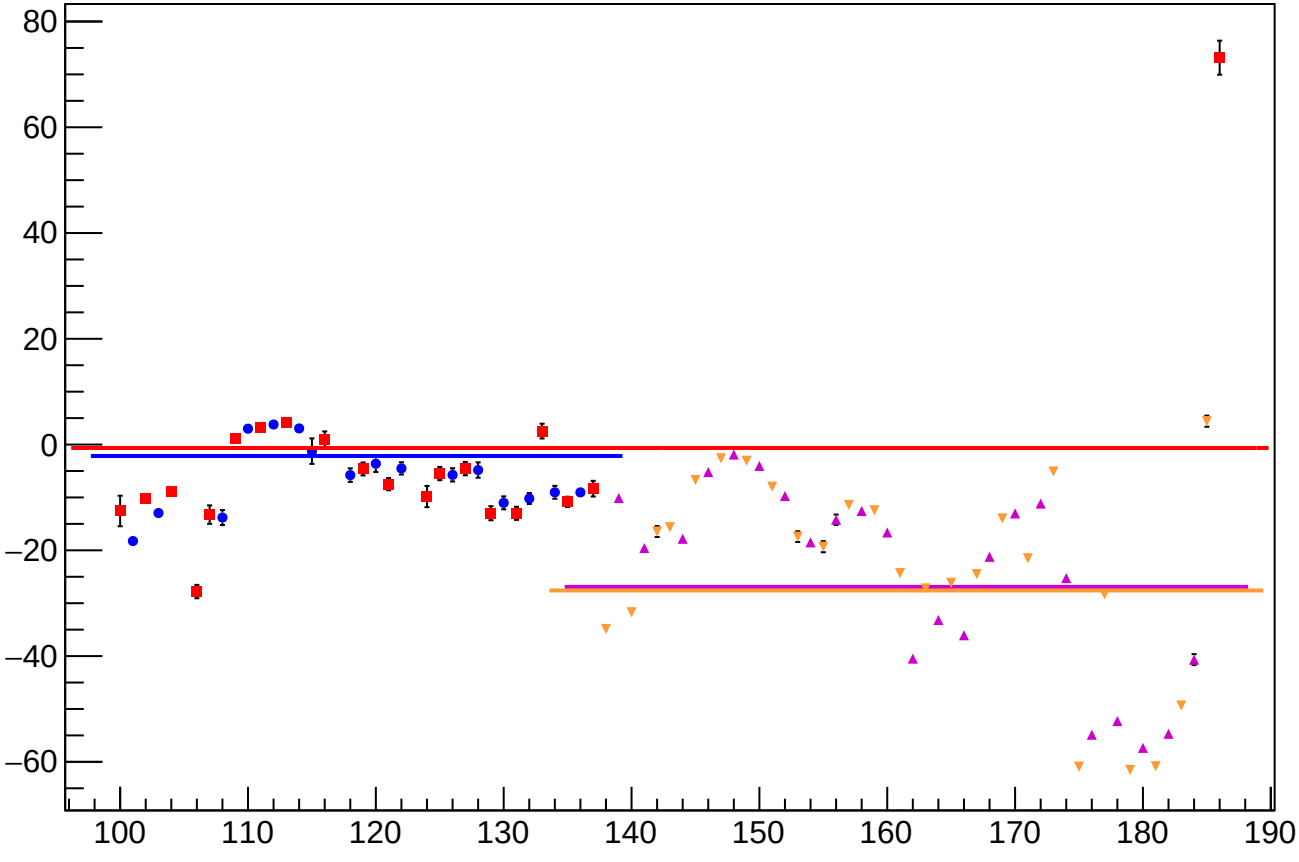
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.416+/-0.004 χ^2/NDF: 3974.3/40

All: 0.399+/-0.003 χ^2/NDF: 9684.3/83

- sign 0.382+/-0.004 χ^2/NDF: 5670.9/42

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -0.642+/-0.170 χ^2/NDF: 1992.2/19

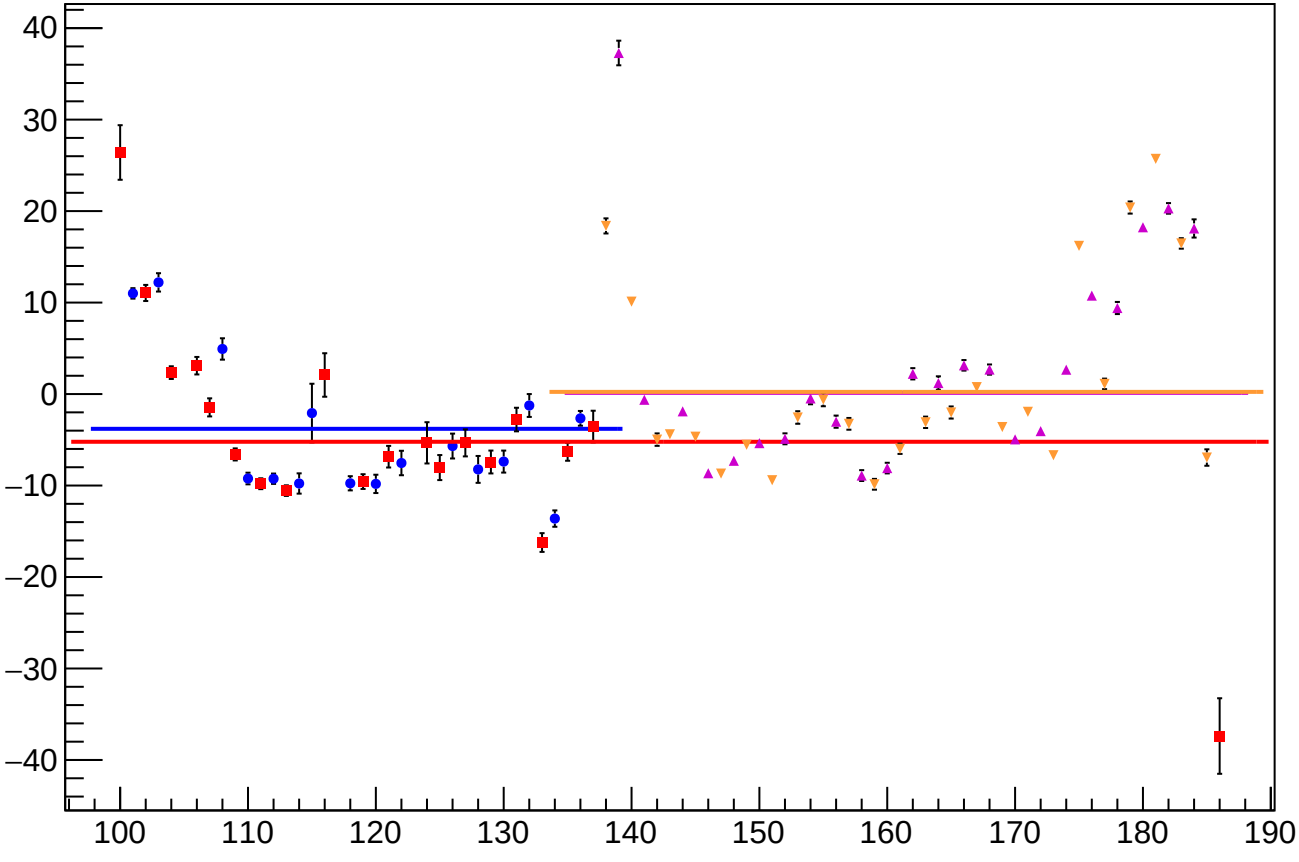
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.411+/-0.115 χ^2/NDF: 32467.8/40

All: -16.913+/-0.080 χ^2/NDF: 63805.5/83

- sign -15.496+/-0.112 χ^2/NDF: 31009.4/42

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

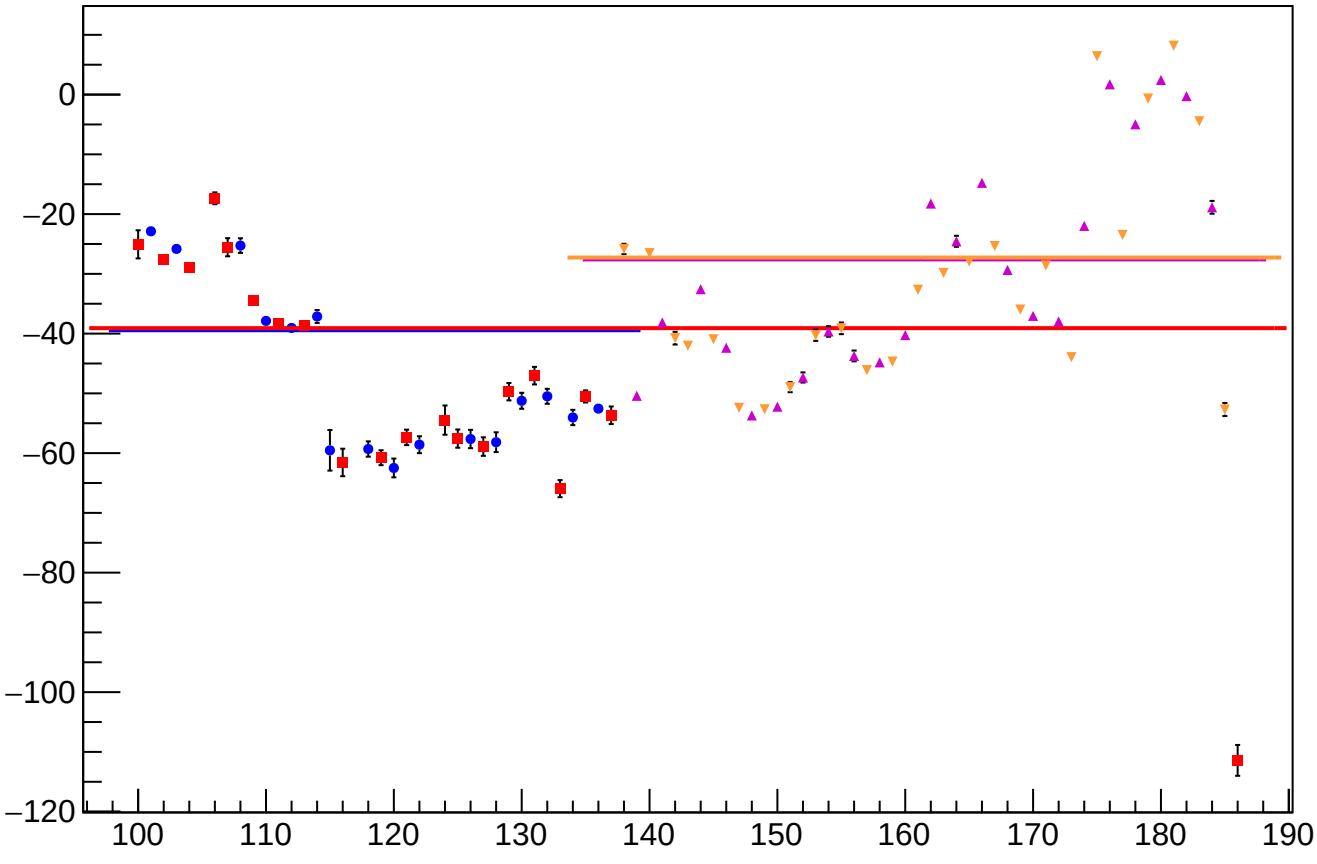
Right Out: -5.216+/-0.218 χ^2/NDF: 1041.4/19

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign -0.541+/-0.099 χ^2/NDF: 9719.6/40

All: -0.775+/-0.071 χ^2/NDF: 17080.1/83

- sign -1.021+/-0.101 χ^2/NDF: 7349.0/42



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -39.083+/-0.212 χ^2/NDF: 3562.6/19

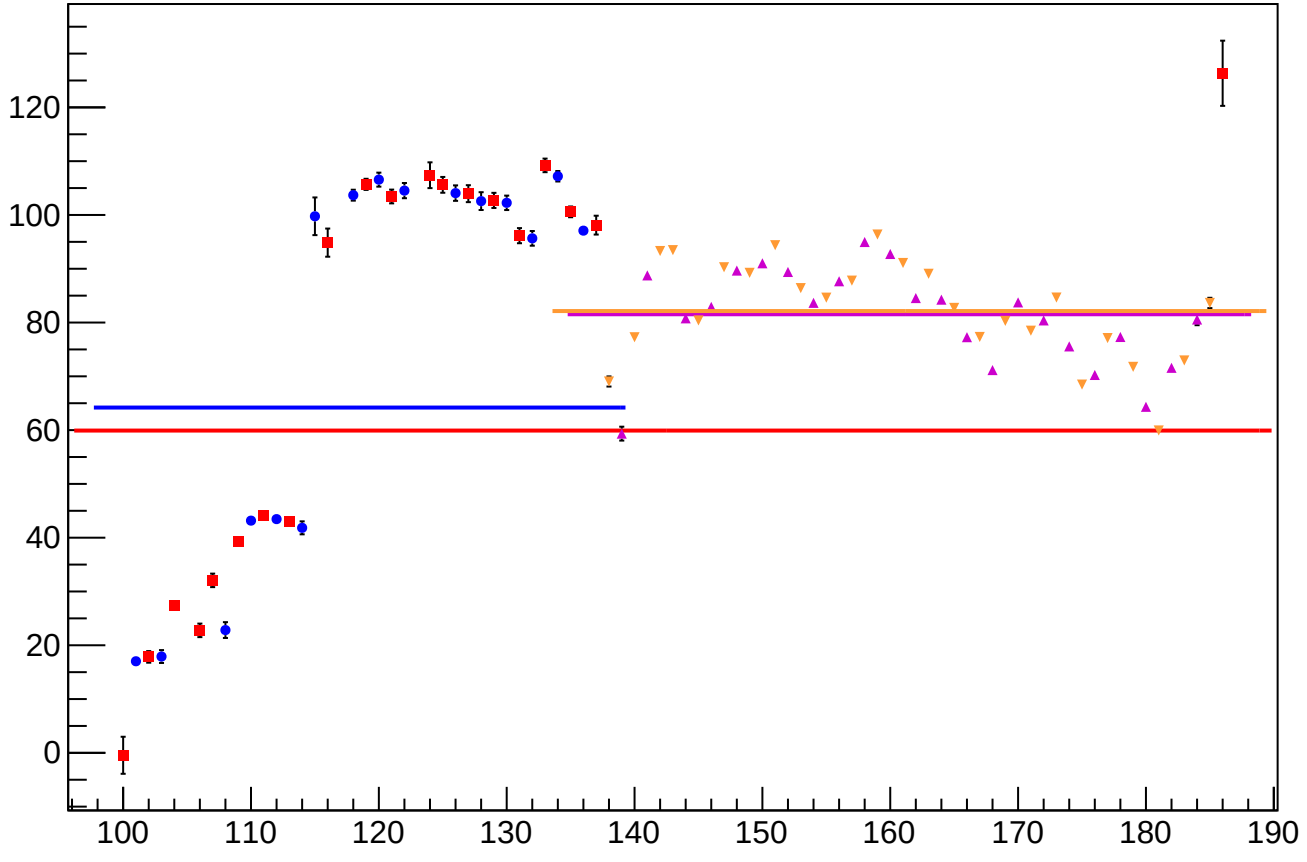
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -30.791+/-0.121 χ^2/NDF: 23552.2/40

All: -31.076+/-0.086 χ^2/NDF: 44753.2/83

- sign -31.362+/-0.121 χ^2/NDF: 21190.0/42

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 59.917+/-0.249 χ^2/NDF: 17551.5/19

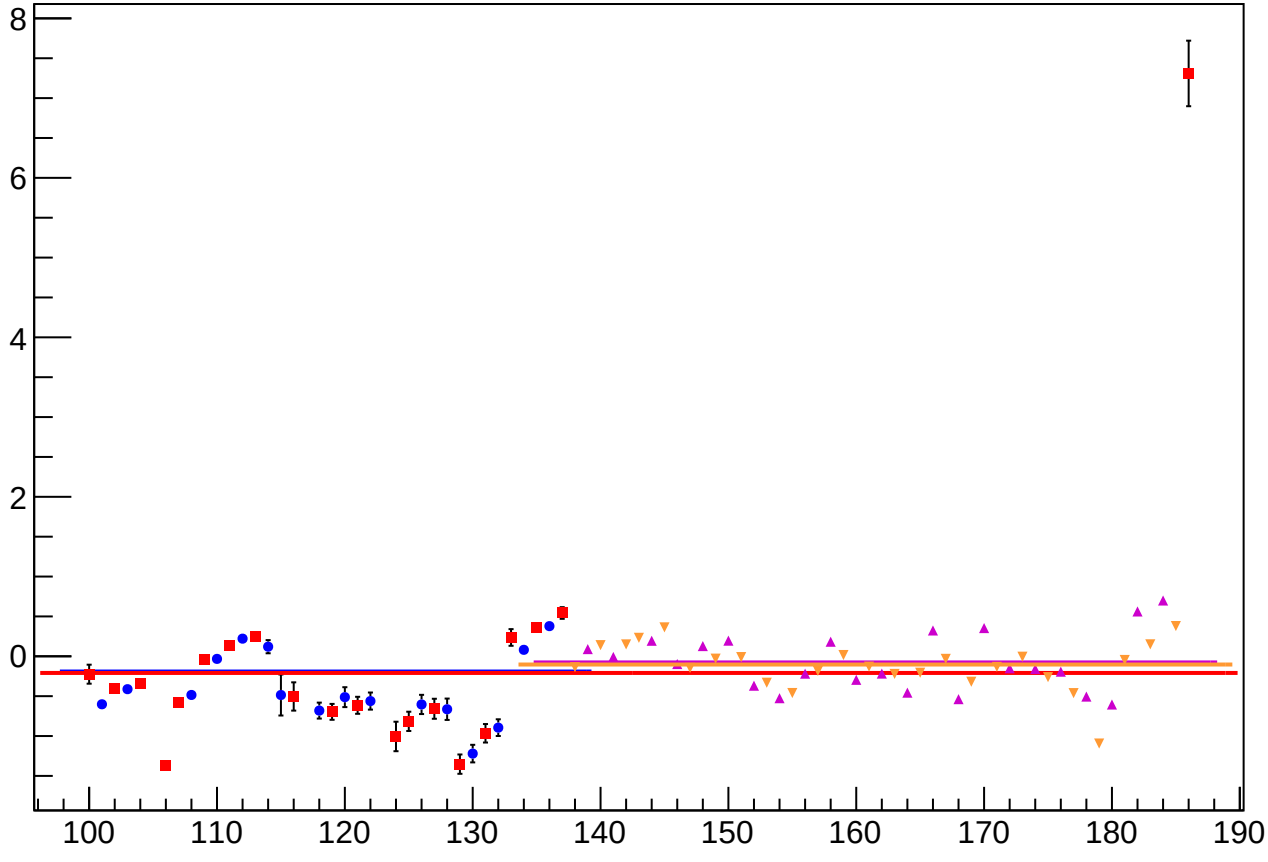
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.724+/-0.112 χ^2/NDF: 27902.6/40

All: 77.855+/-0.080 χ^2/NDF: 55582.7/83

- sign 76.953+/-0.114 χ^2/NDF: 27558.0/42

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.209+/-0.013 χ^2/NDF: 1703.0/19

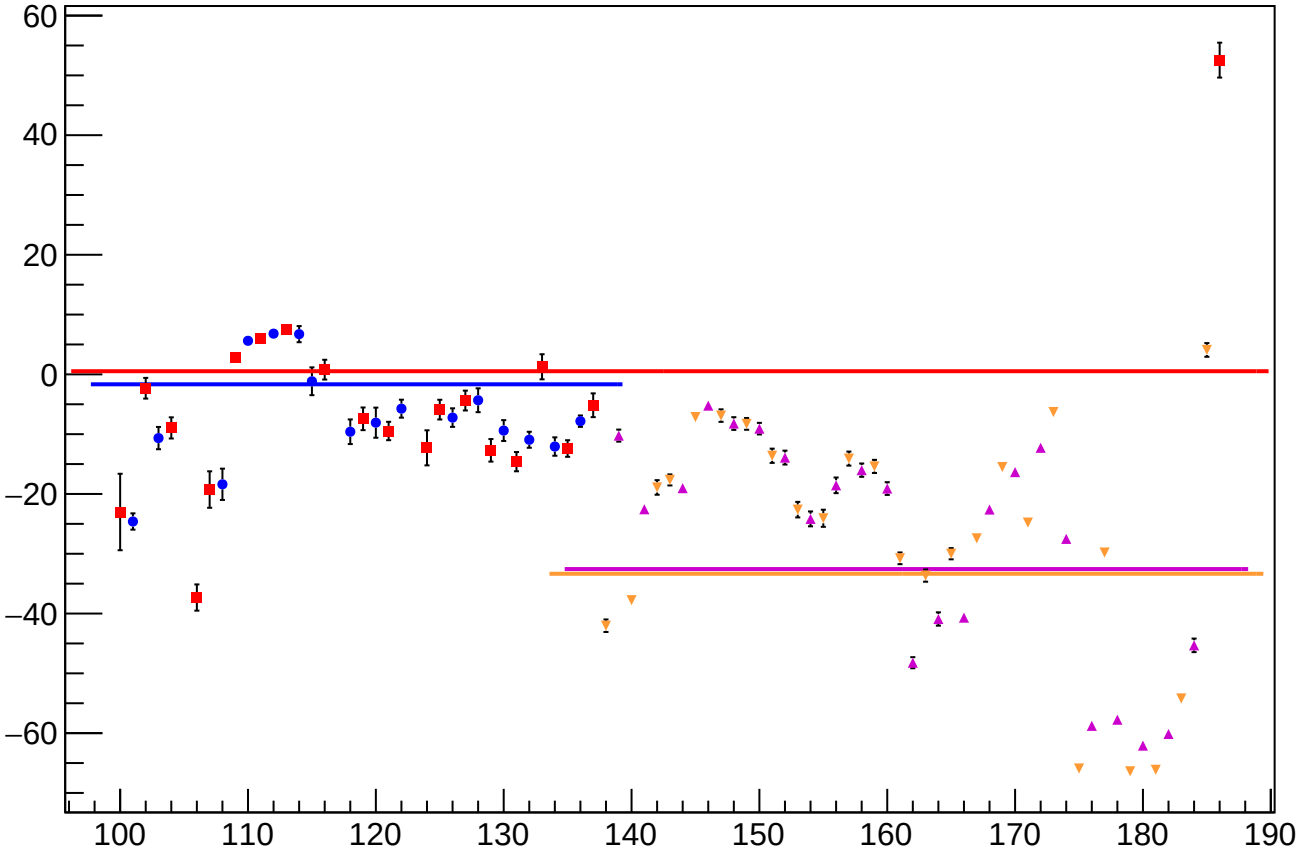
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.116+/-0.005 χ^2/NDF: 3363.0/40

All: -0.108+/-0.004 χ^2/NDF: 8479.3/83

- sign -0.099+/-0.005 χ^2/NDF: 5110.7/42

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: 0.528+/-0.281 χ^2/NDF: 1251.7/19

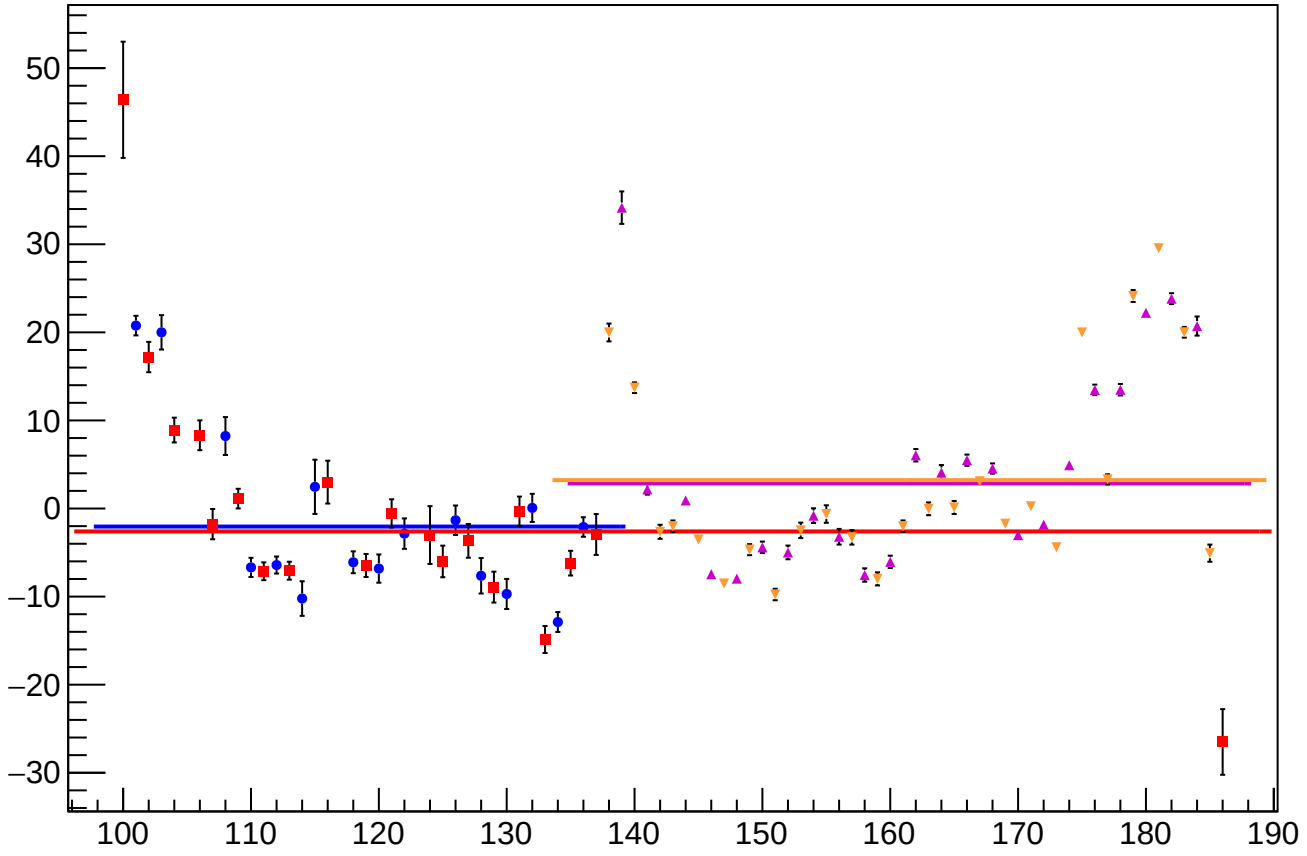
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.309+/-0.145 χ^2/NDF: 27118.6/40

All: -25.013+/-0.103 χ^2/NDF: 52614.2/83

- sign -23.719+/-0.145 χ^2/NDF: 25336.3/42

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

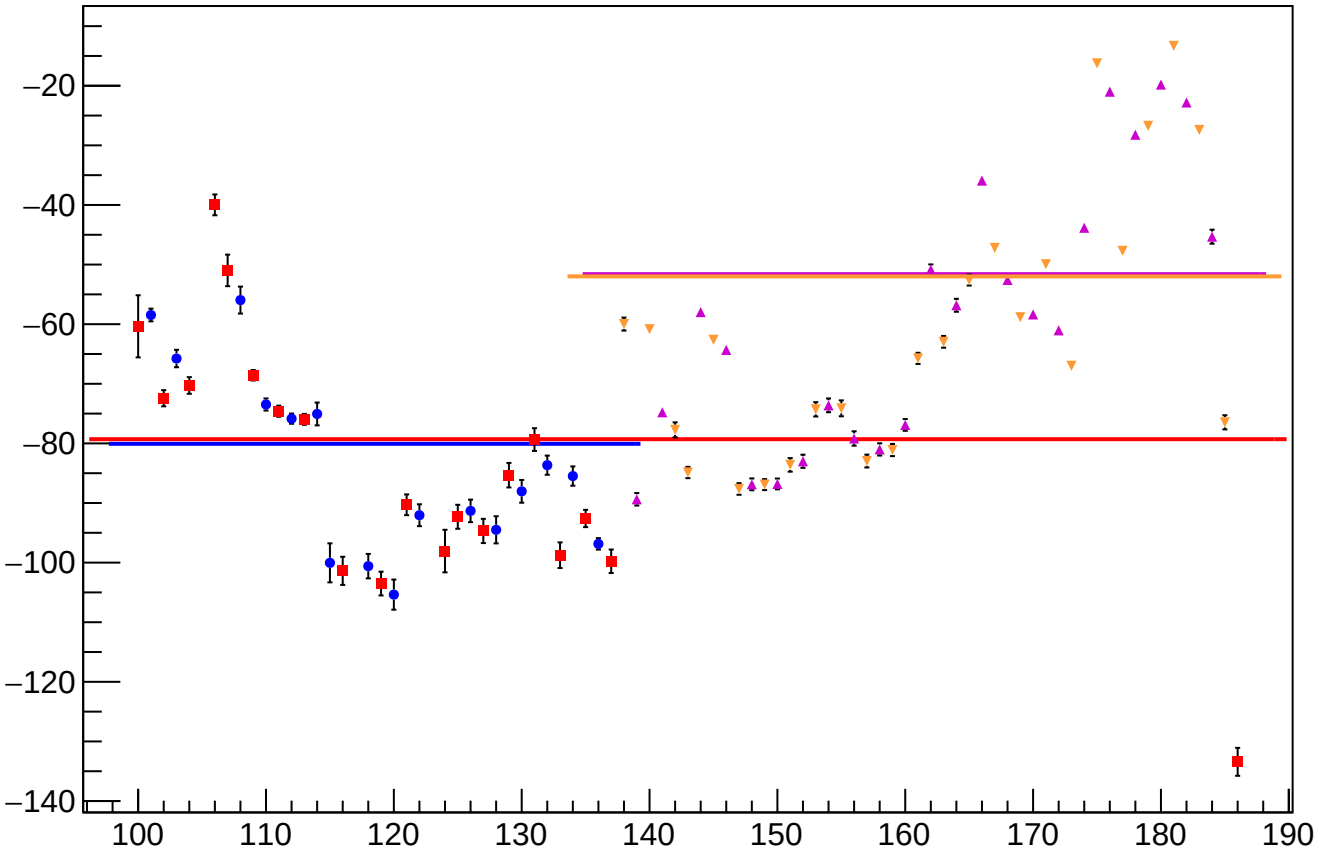
Right Out: -2.603+/-0.354 χ^2/NDF: 492.4/19

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.620+/-0.121 χ^2/NDF: 8641.7/40

All: 2.407+/-0.086 χ^2/NDF: 14804.5/83

- sign 2.186+/-0.123 χ^2/NDF: 6156.5/42



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -79.292+/-0.350 χ^2/NDF: 2107.5/19

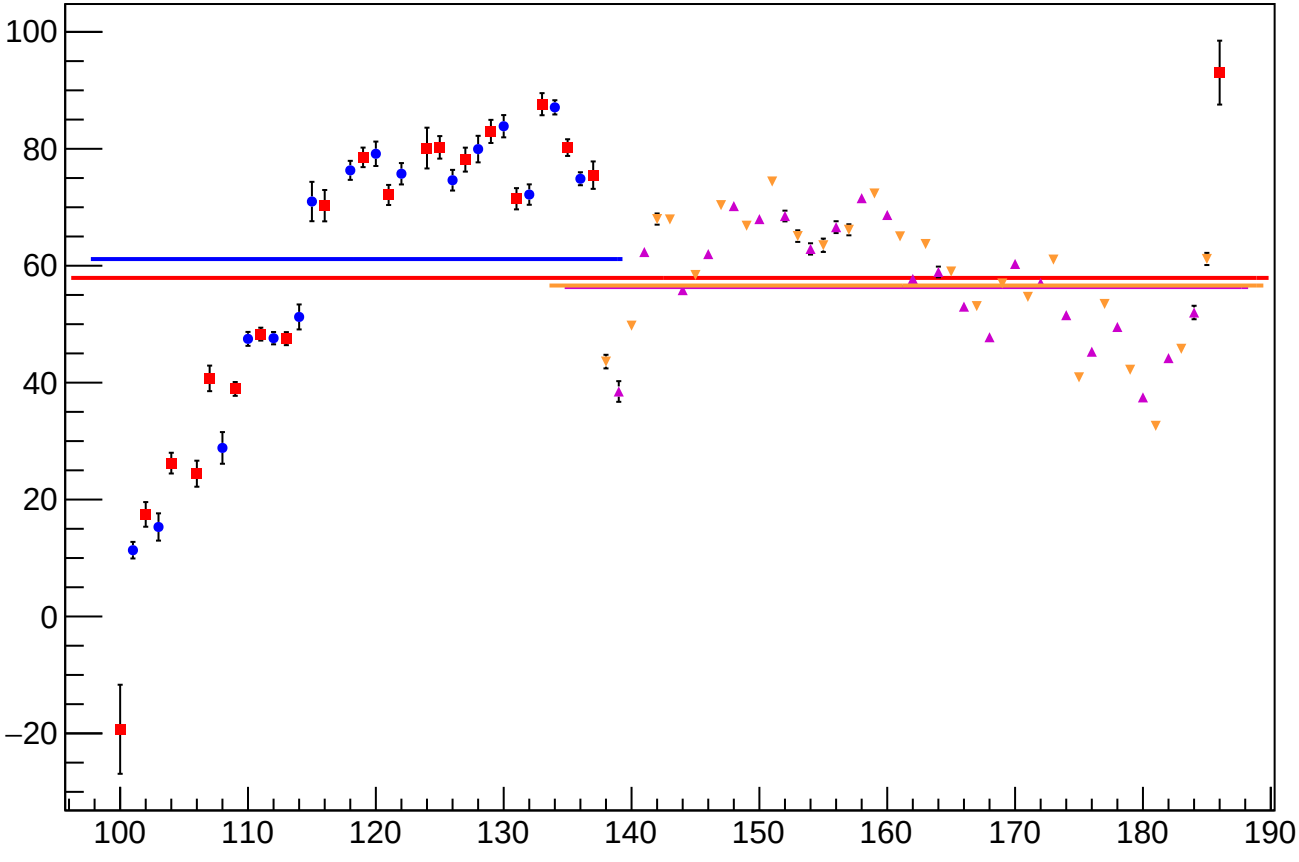
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -56.752+/-0.150 χ^2/NDF: 27206.5/40

All: -56.805+/-0.107 χ^2/NDF: 52020.2/83

- sign -56.860+/-0.152 χ^2/NDF: 24813.4/42

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 57.916+/-0.399 χ^2/NDF: 2817.1/19

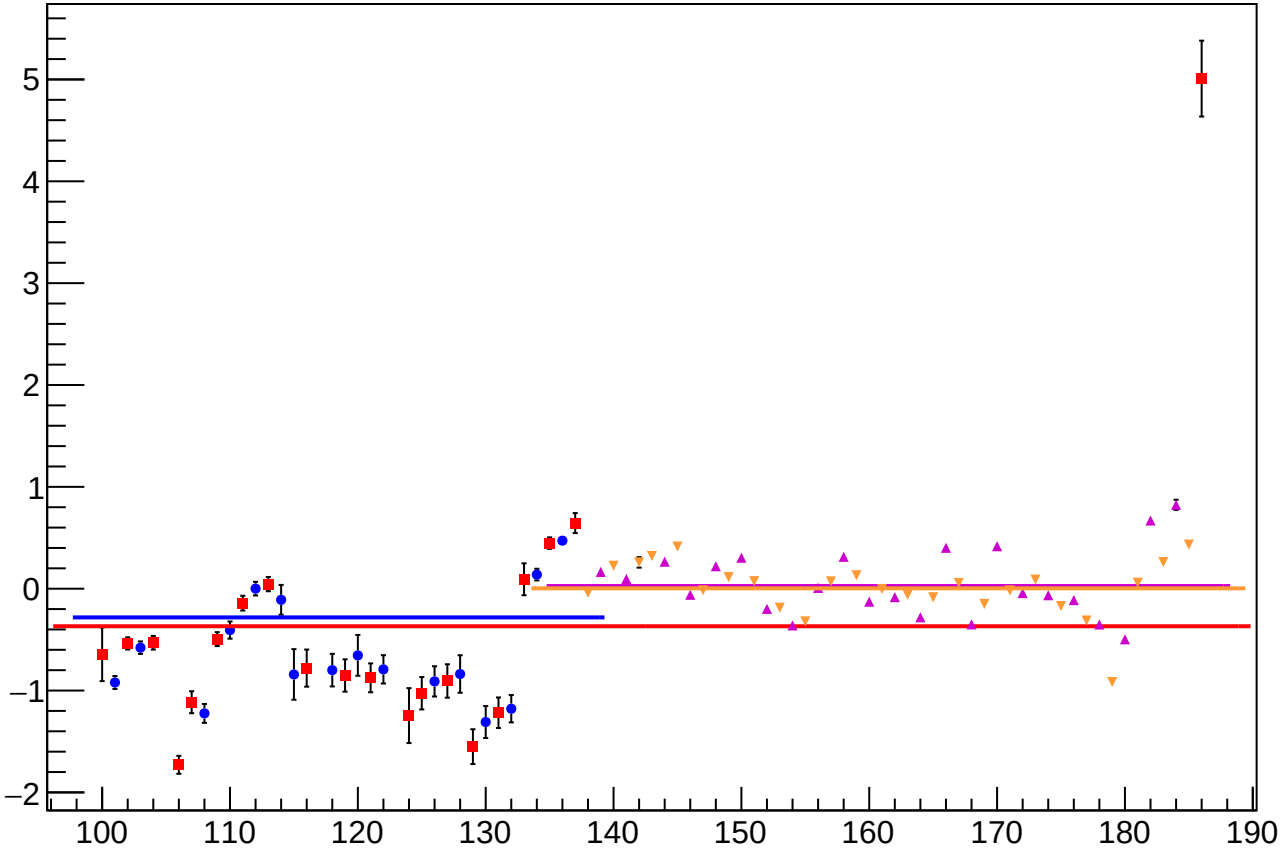
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 57.129+/-0.135 χ^2/NDF: 9008.5/40

All: 56.839+/-0.097 χ^2/NDF: 15817.3/83

- sign 56.536+/-0.138 χ^2/NDF: 6799.4/42

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

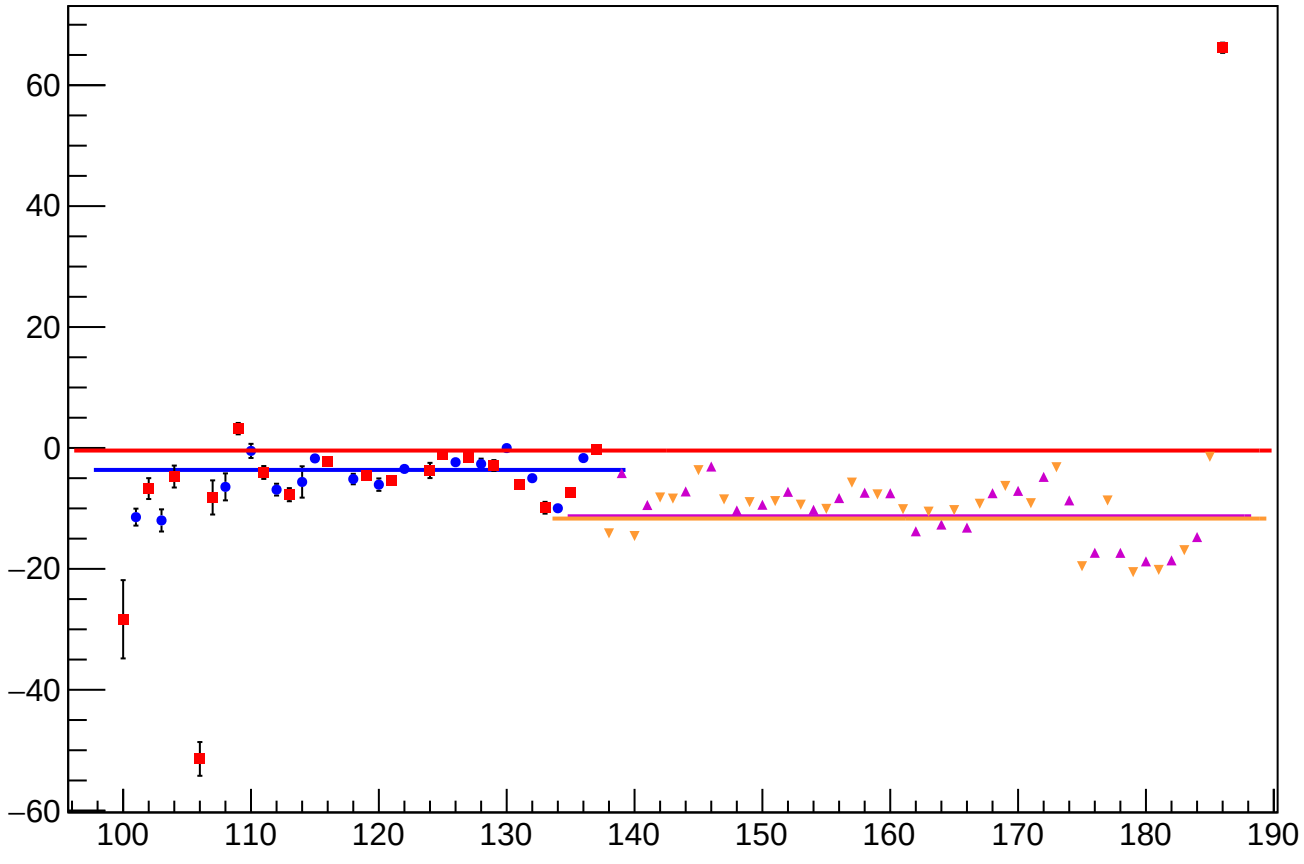
Right Out: -0.369+/-0.022 χ^2/NDF: 1027.8/19

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.020+/-0.006 χ^2/NDF: 2589.0/40

All: -0.013+/-0.004 χ^2/NDF: 6267.1/83

- sign -0.007+/-0.006 χ^2/NDF: 3676.0/42



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -0.429+/-0.194 χ^2/NDF: 7140.1/19

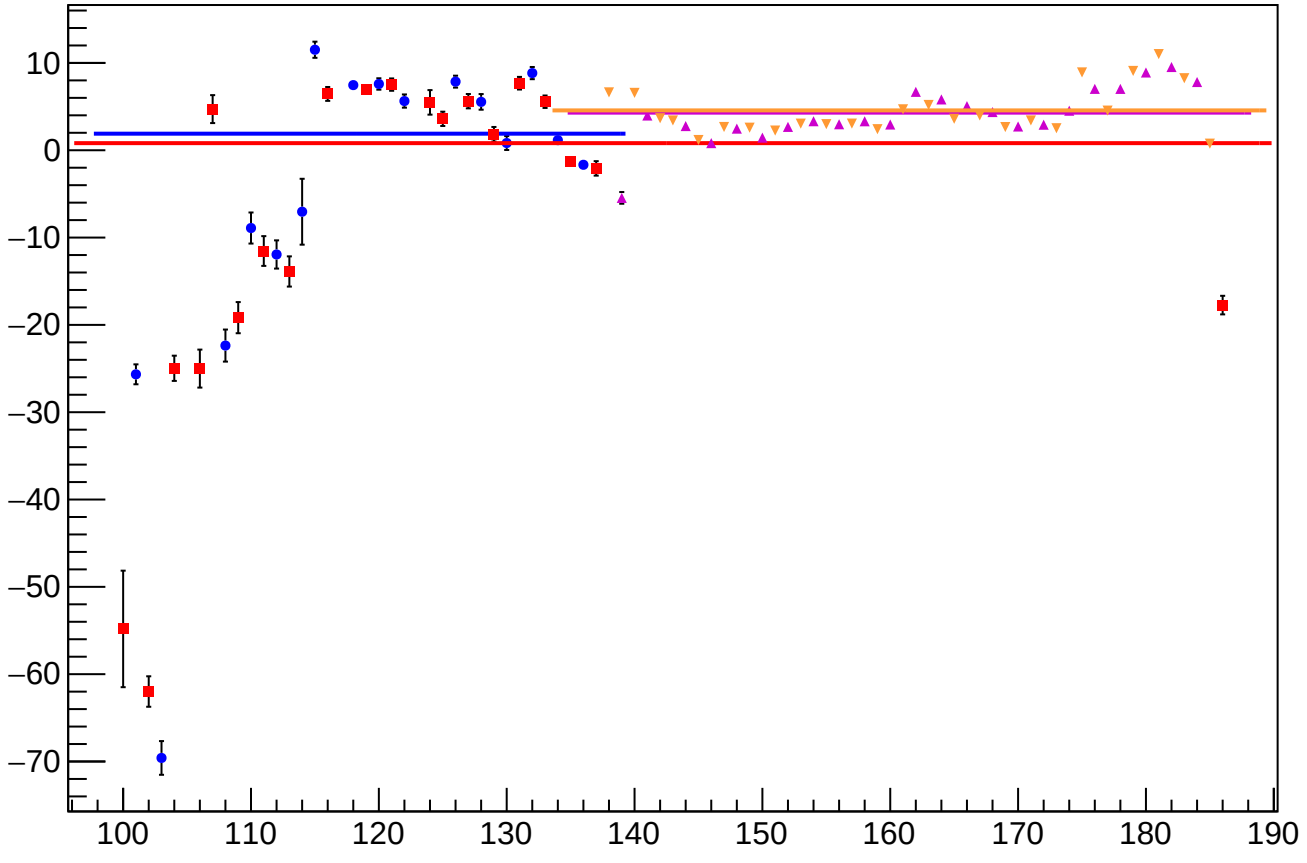
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.101+/-0.051 χ^2/NDF: 14518.3/40

All: -10.818+/-0.036 χ^2/NDF: 33863.9/83

- sign -10.521+/-0.052 χ^2/NDF: 19281.8/42

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

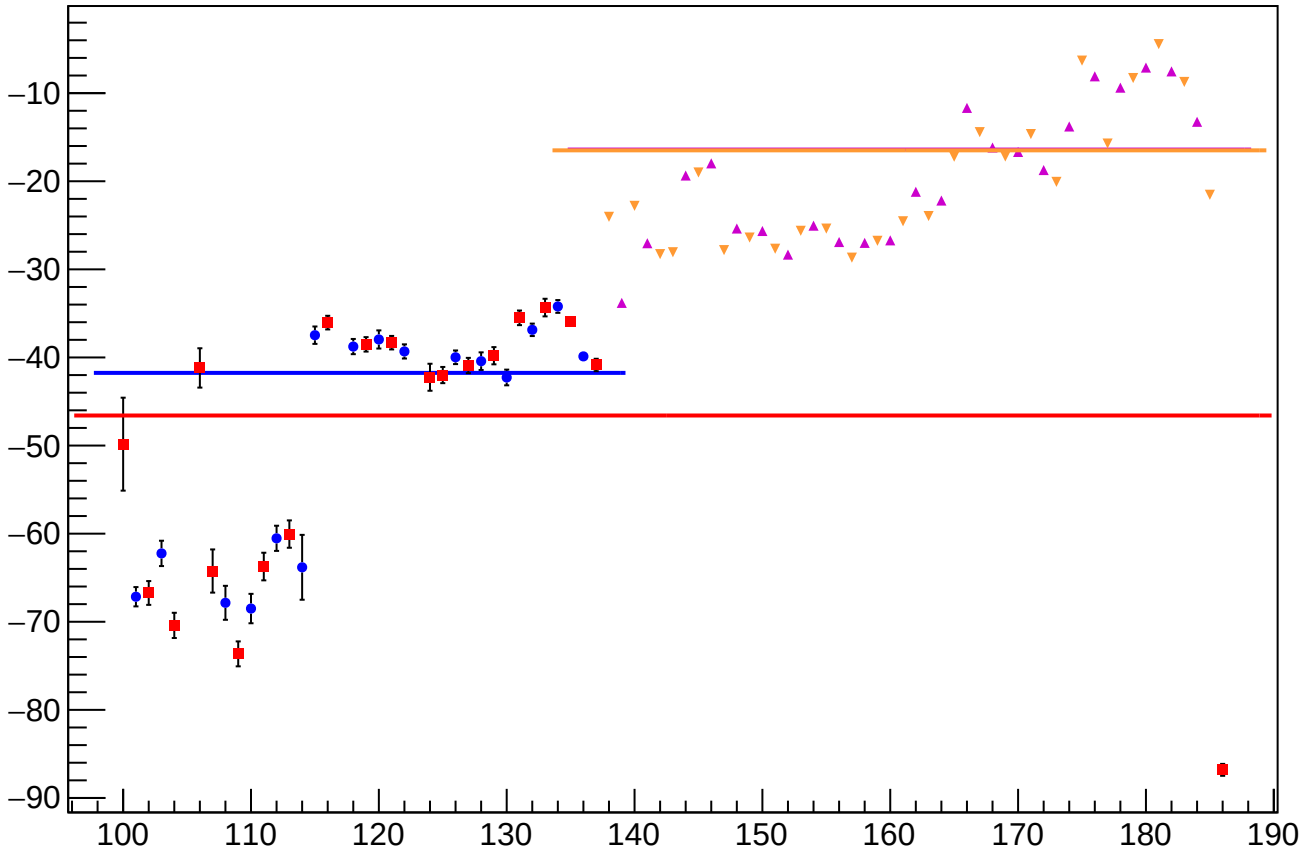
Right Out: 0.815+/-0.204 χ^2/NDF: 2875.4/19

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.442+/-0.040 χ^2/NDF: 7384.3/40

All: 4.307+/-0.029 χ^2/NDF: 14171.8/83

- sign 4.166+/-0.041 χ^2/NDF: 6764.7/42



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

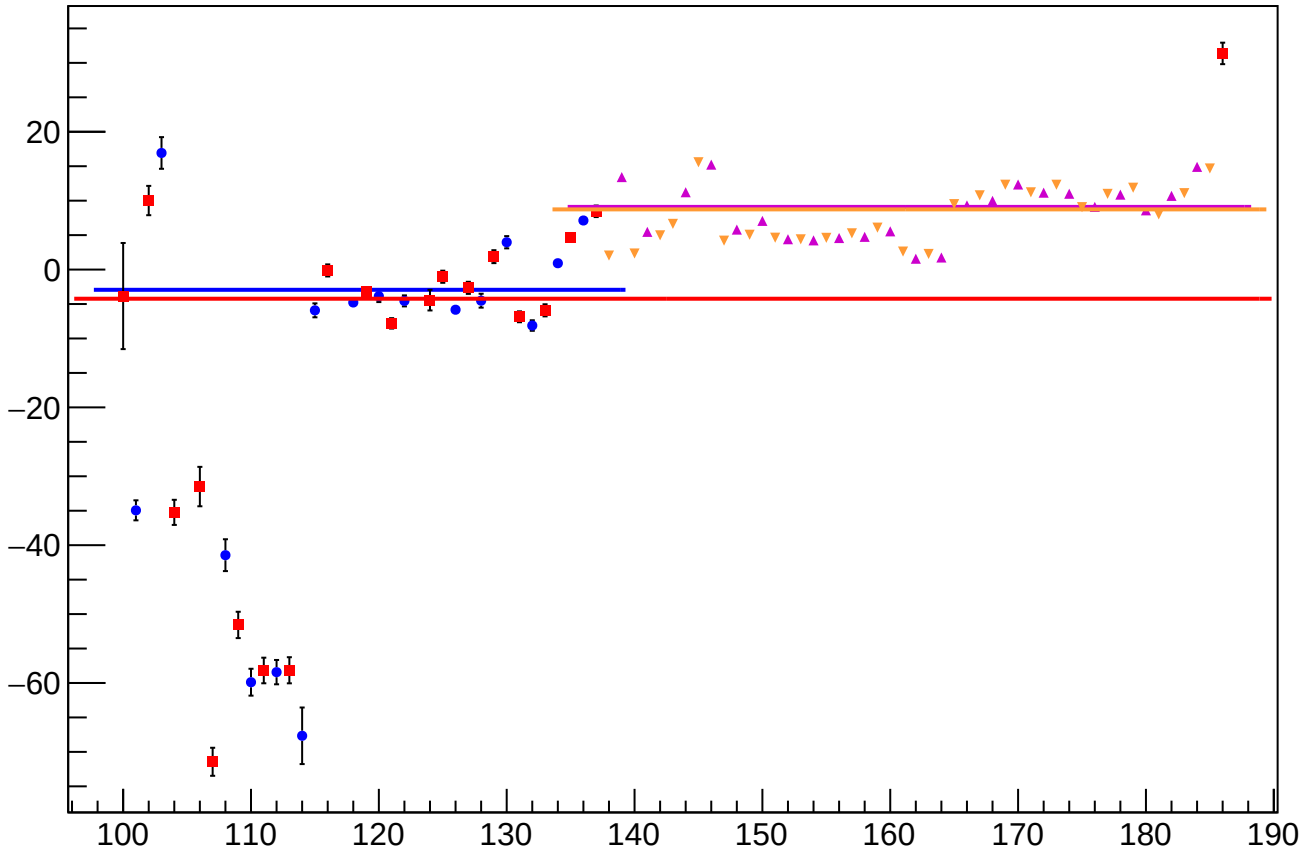
Right Out: -46.589+/-0.216 χ^2/NDF: 5932.6/19

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.026+/-0.051 χ^2/NDF: 37517.8/40

All: -18.096+/-0.037 χ^2/NDF: 79830.1/83

- sign -18.169+/-0.052 χ^2/NDF: 42308.4/42



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -4.231+/-0.229 χ^2/NDF: 4910.1/19

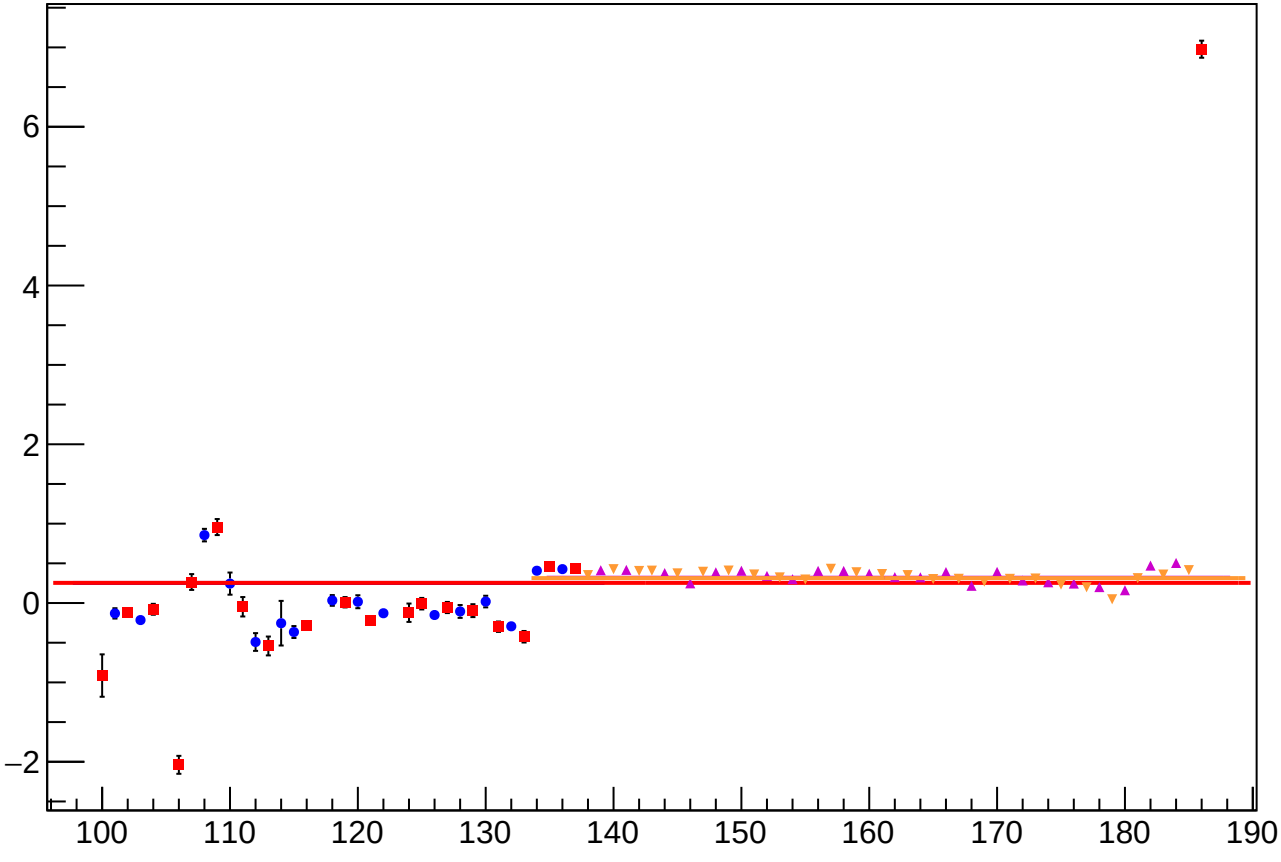
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.194+/-0.045 χ^2/NDF: 13556.3/40

All: 8.371+/-0.032 χ^2/NDF: 27479.6/83

- sign 8.557+/-0.046 χ^2/NDF: 13891.7/42

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

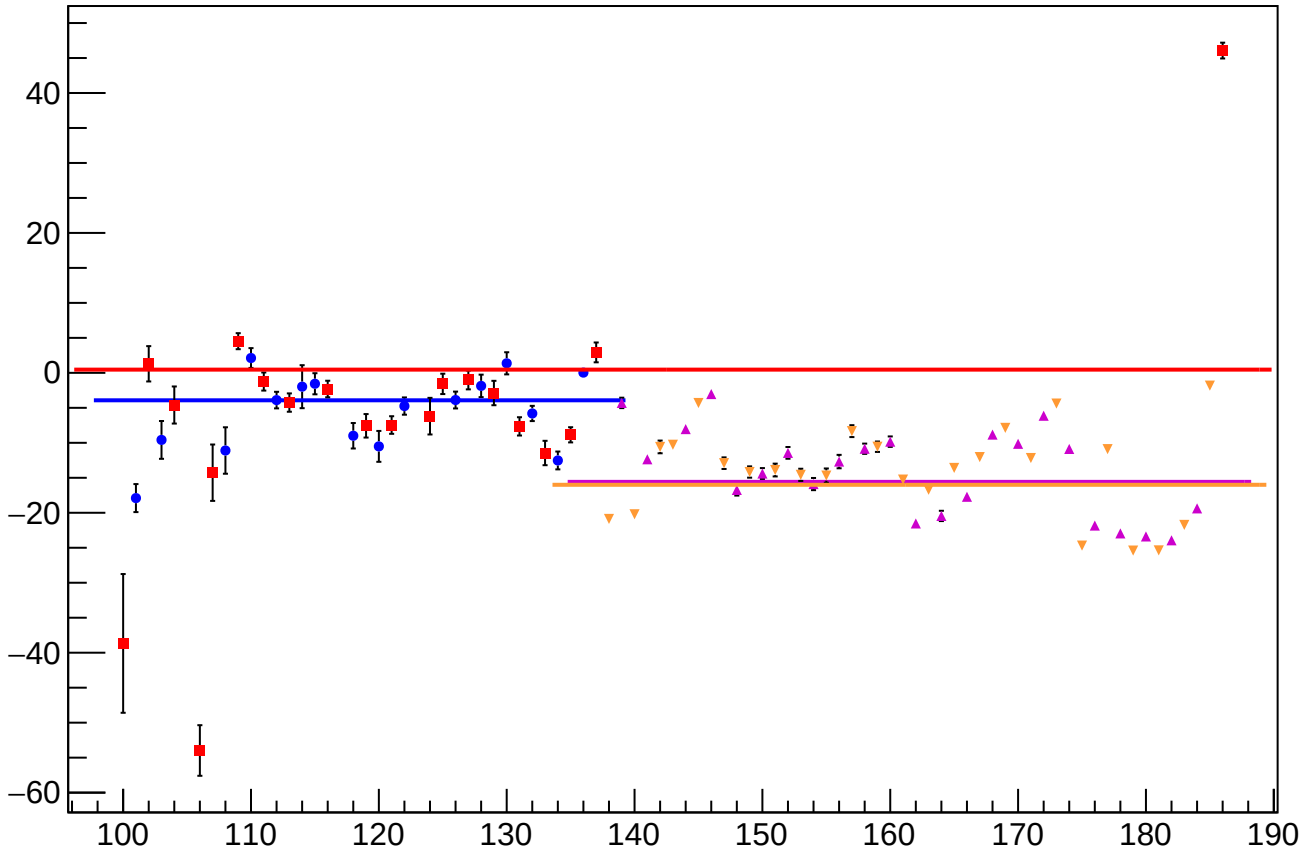
Right Out: 0.254+/-0.013 χ^2/NDF: 4984.3/19

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.312+/-0.002 χ^2/NDF: 2260.5/40

All: 0.314+/-0.001 χ^2/NDF: 9058.9/83

- sign 0.317+/-0.002 χ^2/NDF: 6795.4/42



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: 0.460+/-0.340 χ^2/NDF: 2161.8/19

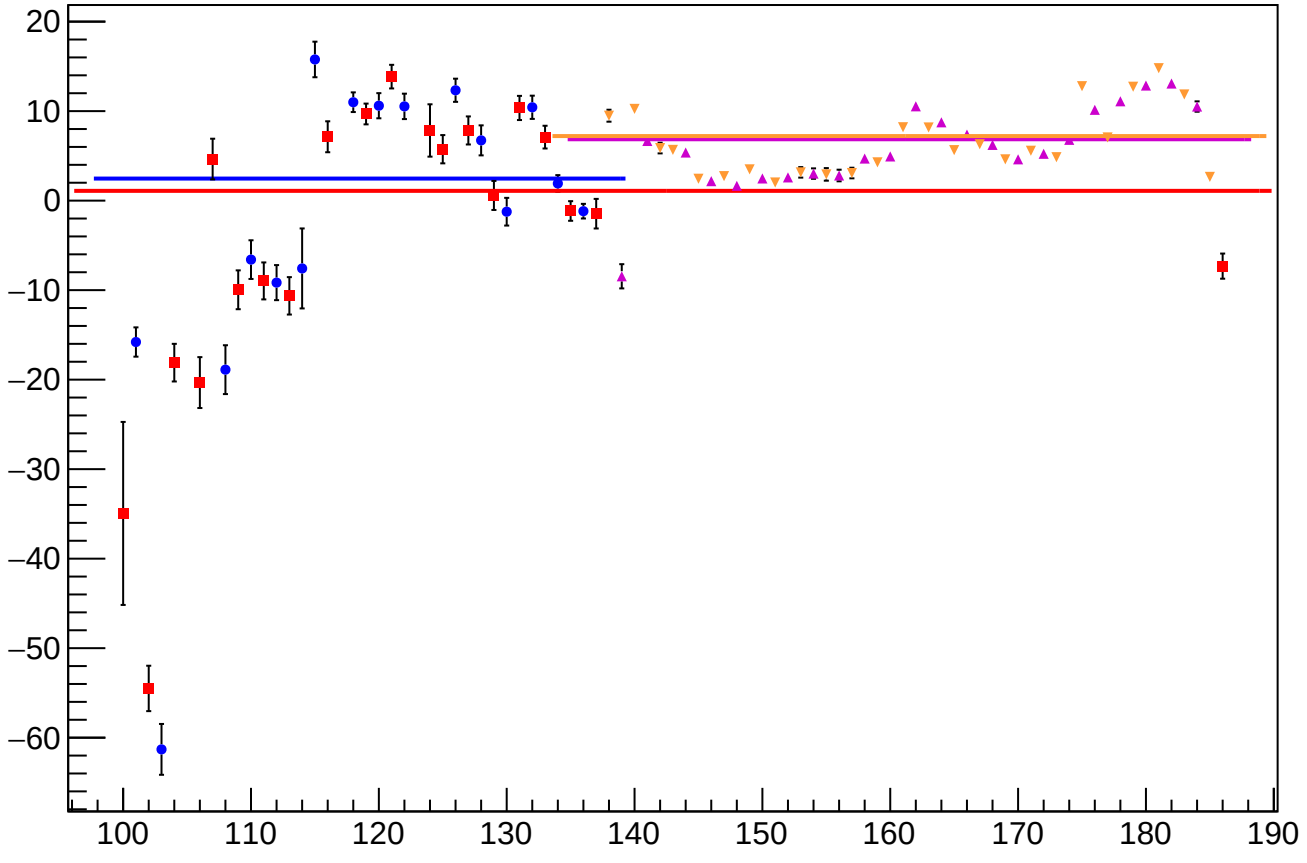
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.080+/-0.096 χ^2/NDF: 7276.8/40

All: -14.679+/-0.068 χ^2/NDF: 16274.5/83

- sign -14.260+/-0.098 χ^2/NDF: 8961.7/42

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 1.092+/-0.372 χ^2/NDF: 1021.7/19

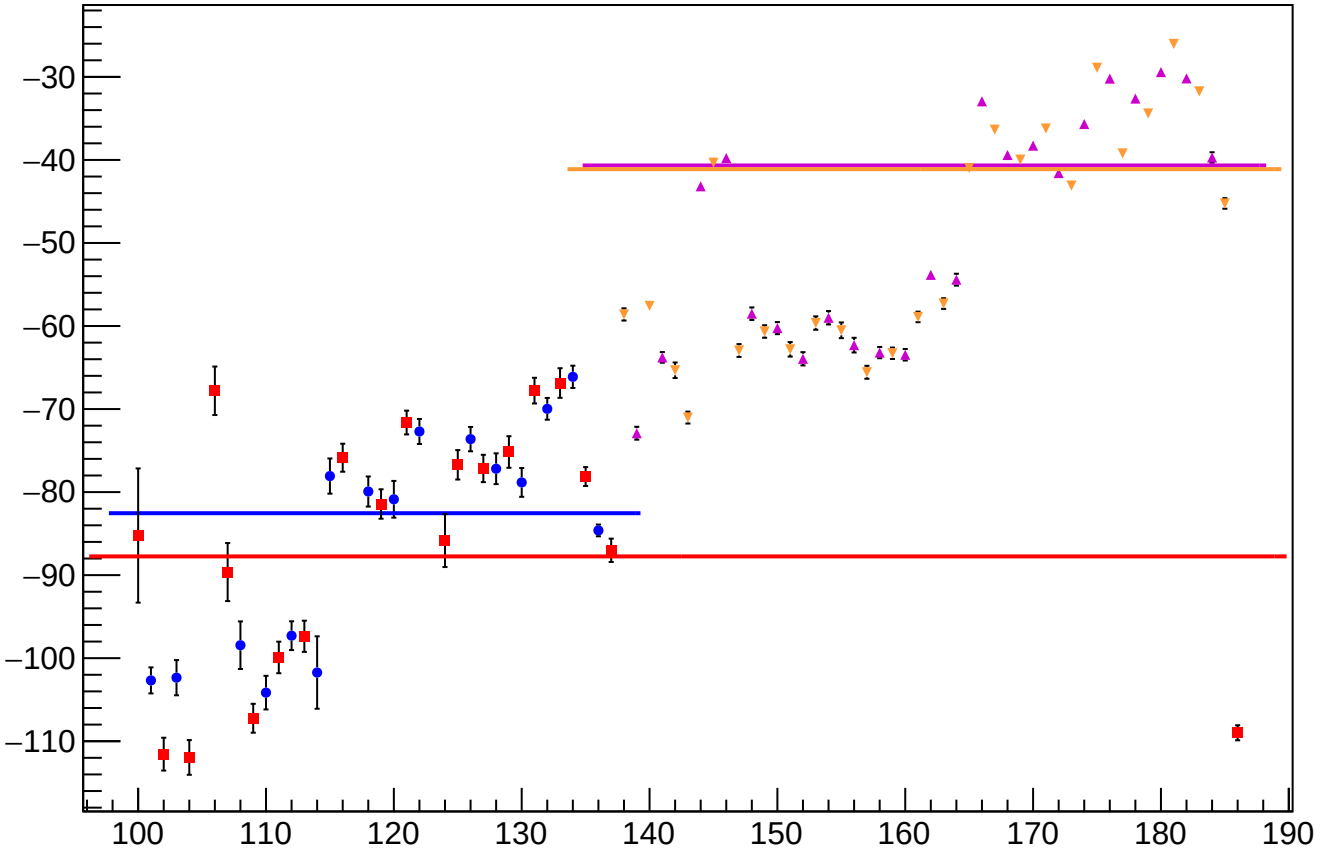
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.984+/-0.078 χ^2/NDF: 3671.2/40

All: 6.792+/-0.056 χ^2/NDF: 7090.3/83

- sign 6.595+/-0.079 χ^2/NDF: 3406.9/42

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -87.744+/-0.377 χ^2/NDF: 1759.5/19

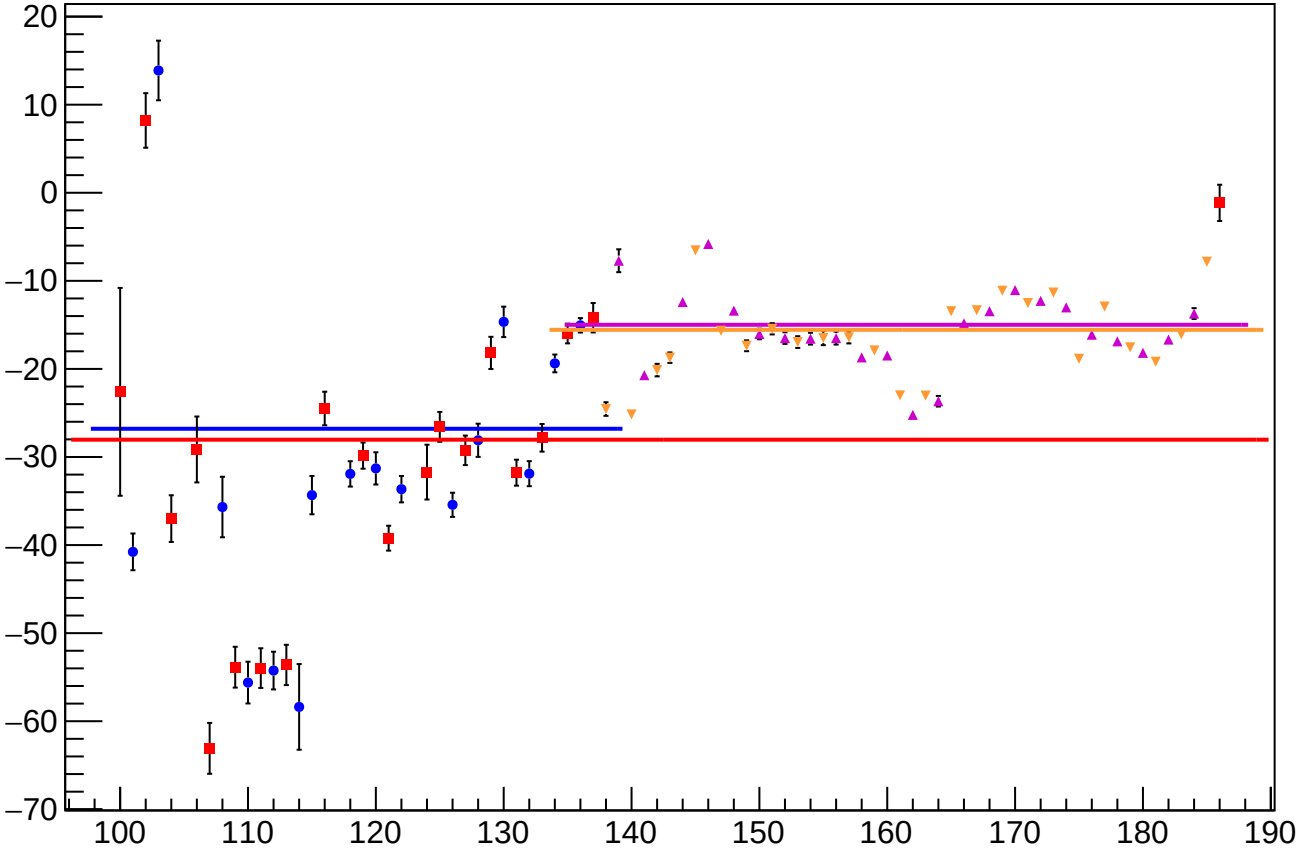
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -43.738+/-0.097 χ^2/NDF: 27724.7/40

All: -43.815+/-0.069 χ^2/NDF: 57579.1/83

- sign -43.895+/-0.099 χ^2/NDF: 29853.1/42

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -28.036+/-0.422 χ^2/NDF: 1138.9/19

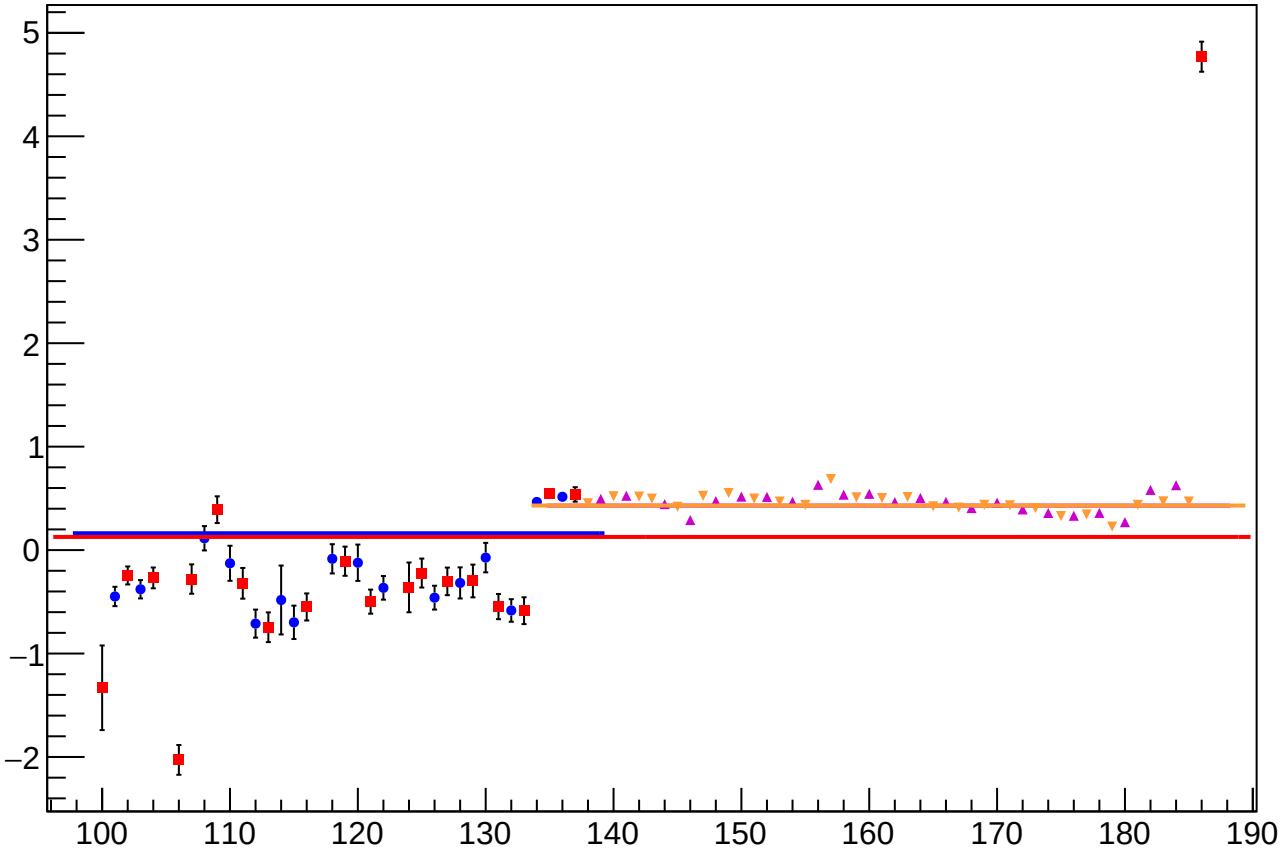
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.102+/-0.087 χ^2/NDF: 4280.6/40

All: -15.836+/-0.062 χ^2/NDF: 8503.6/83

- sign -15.561+/-0.088 χ^2/NDF: 4203.9/42

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.127+/-0.024 χ^2/NDF: 1623.1/19

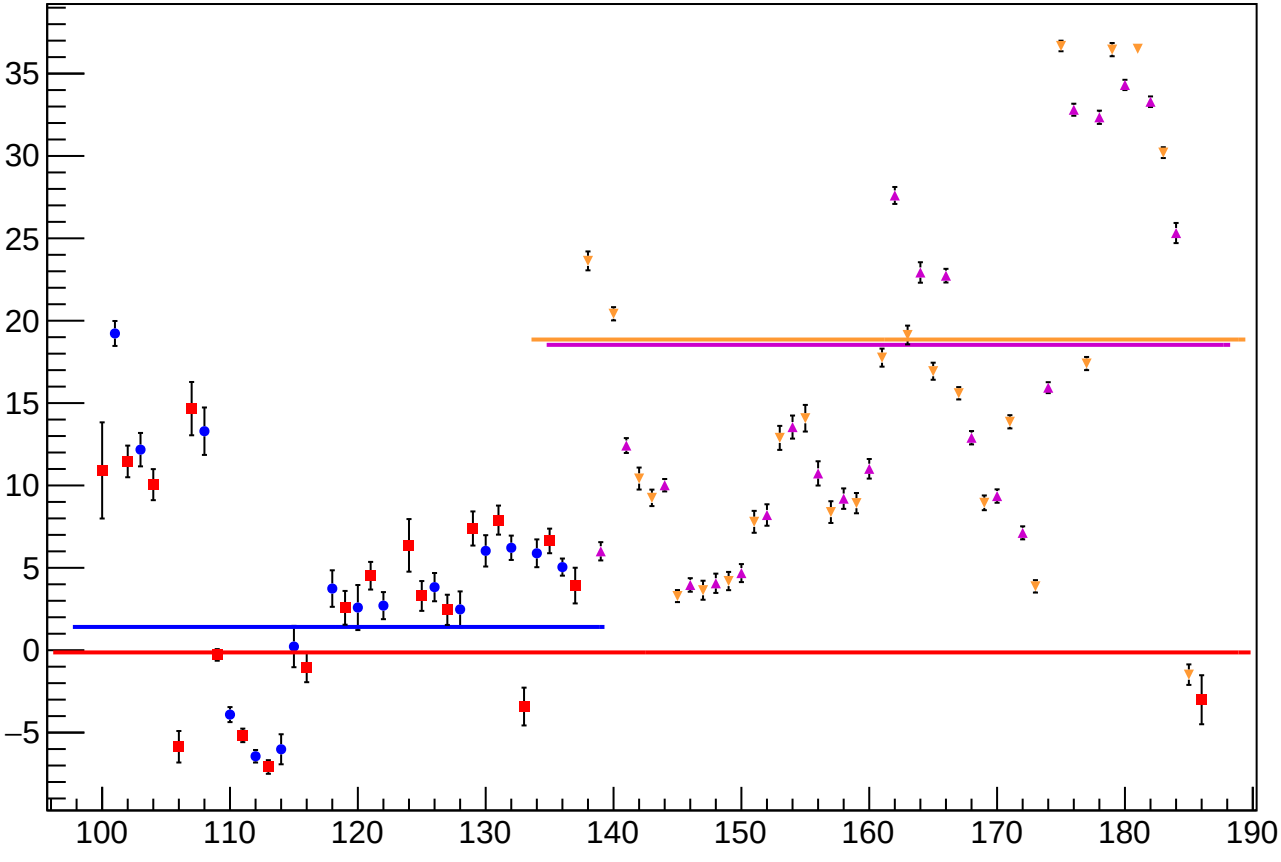
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.422+/-0.004 χ^2/NDF: 992.4/40

All: 0.422+/-0.003 χ^2/NDF: 3353.1/83

- sign 0.422+/-0.004 χ^2/NDF: 2360.7/42

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

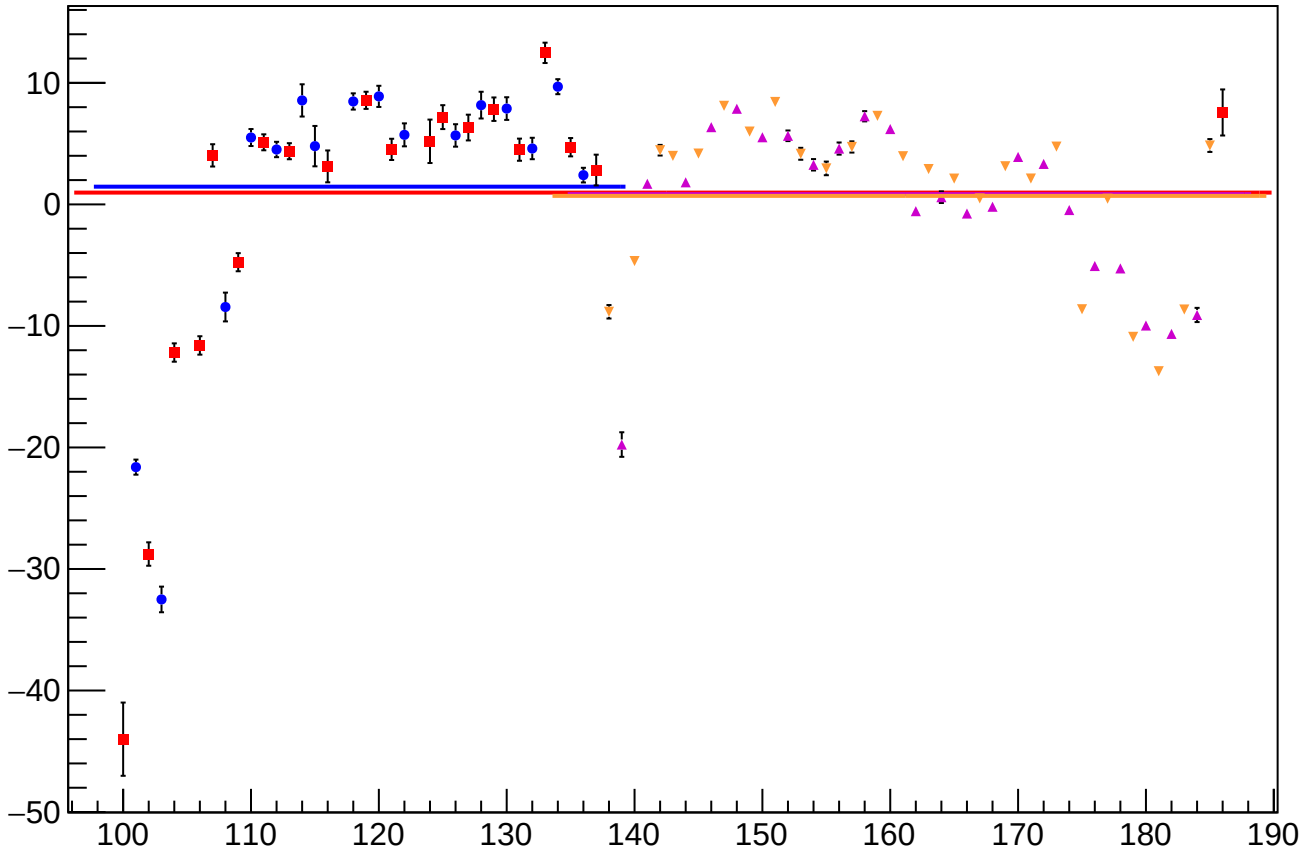
Right Out: -0.135+/-0.166 χ^2/NDF: 1151.0/19

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.438+/-0.081 χ^2/NDF: 27195.2/40

All: 14.757+/-0.057 χ^2/NDF: 52138.8/83

- sign 14.072+/-0.081 χ^2/NDF: 24802.1/42



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 0.971+/-0.201 χ^2/NDF: 2389.3/19

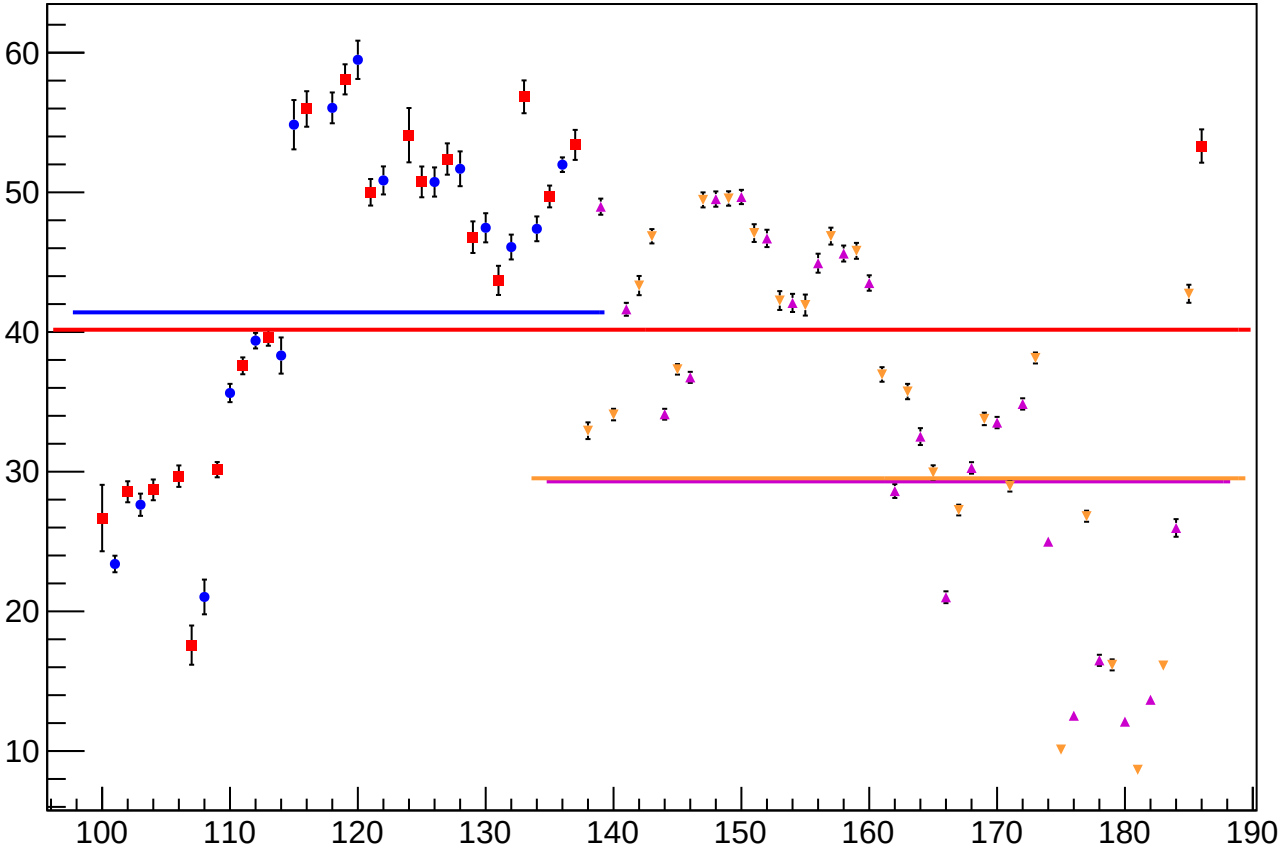
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.783+/-0.067 χ^2/NDF: 11330.4/40

All: 0.821+/-0.048 χ^2/NDF: 19766.1/83

- sign 0.861+/-0.068 χ^2/NDF: 8435.0/42

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 40.164+/-0.200 χ^2/NDF: 2778.8/19

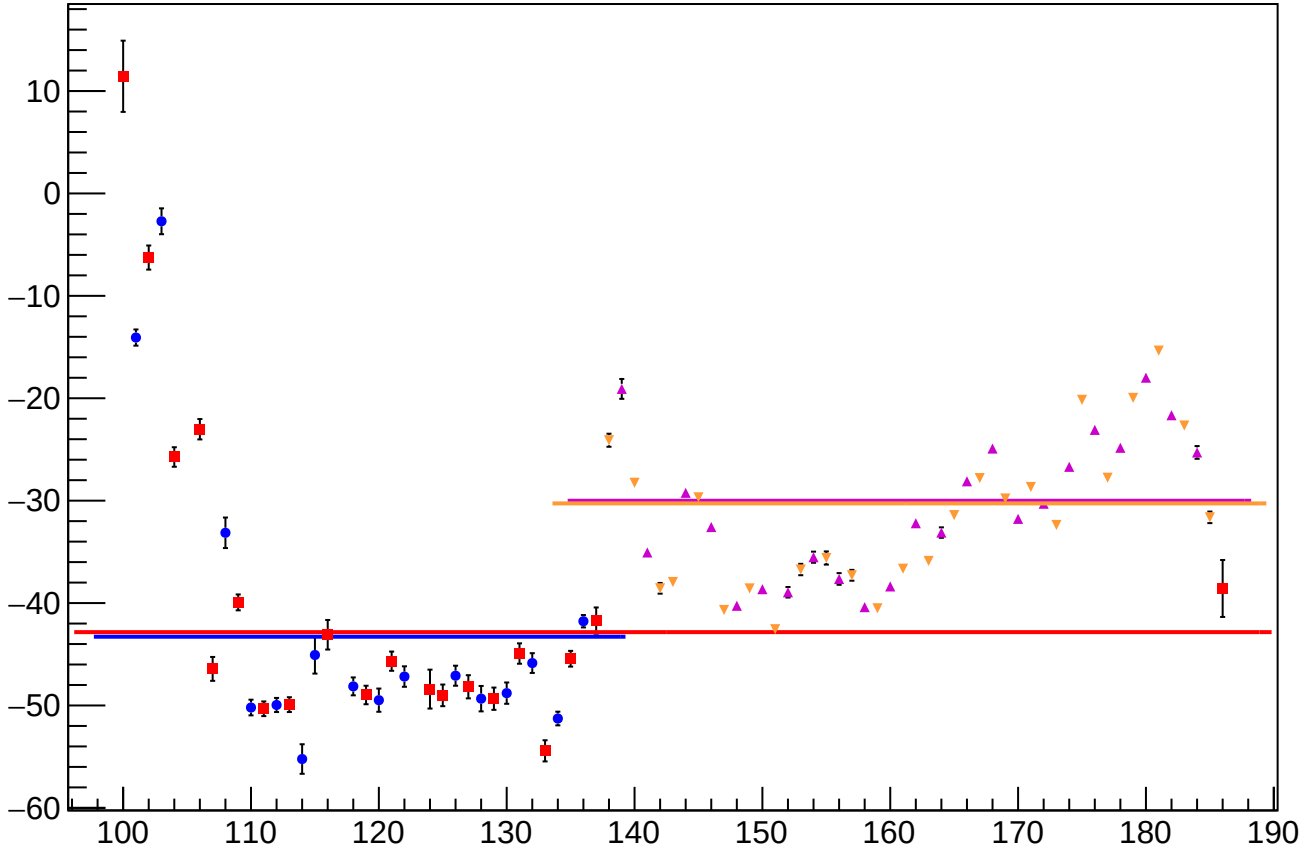
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.380+/-0.083 χ^2/NDF: 26514.6/40

All: 31.311+/-0.059 χ^2/NDF: 49587.8/83

- sign 31.239+/-0.084 χ^2/NDF: 23071.8/42

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -42.838+/-0.228 χ^2/NDF: 2456.6/19

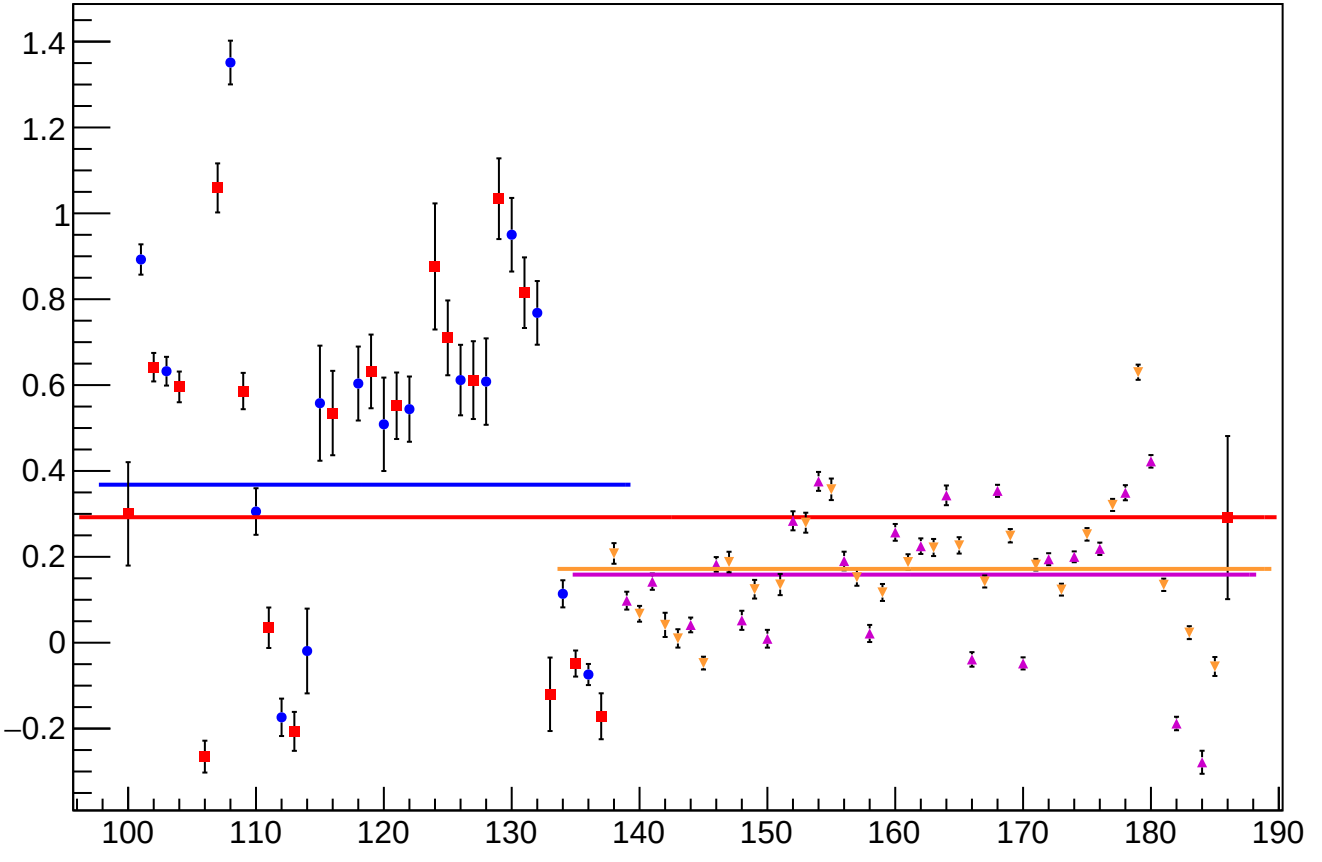
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.657+/-0.075 χ^2/NDF: 14363.5/40

All: -31.559+/-0.054 χ^2/NDF: 25708.8/83

- sign -31.456+/-0.077 χ^2/NDF: 11341.8/42

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/19

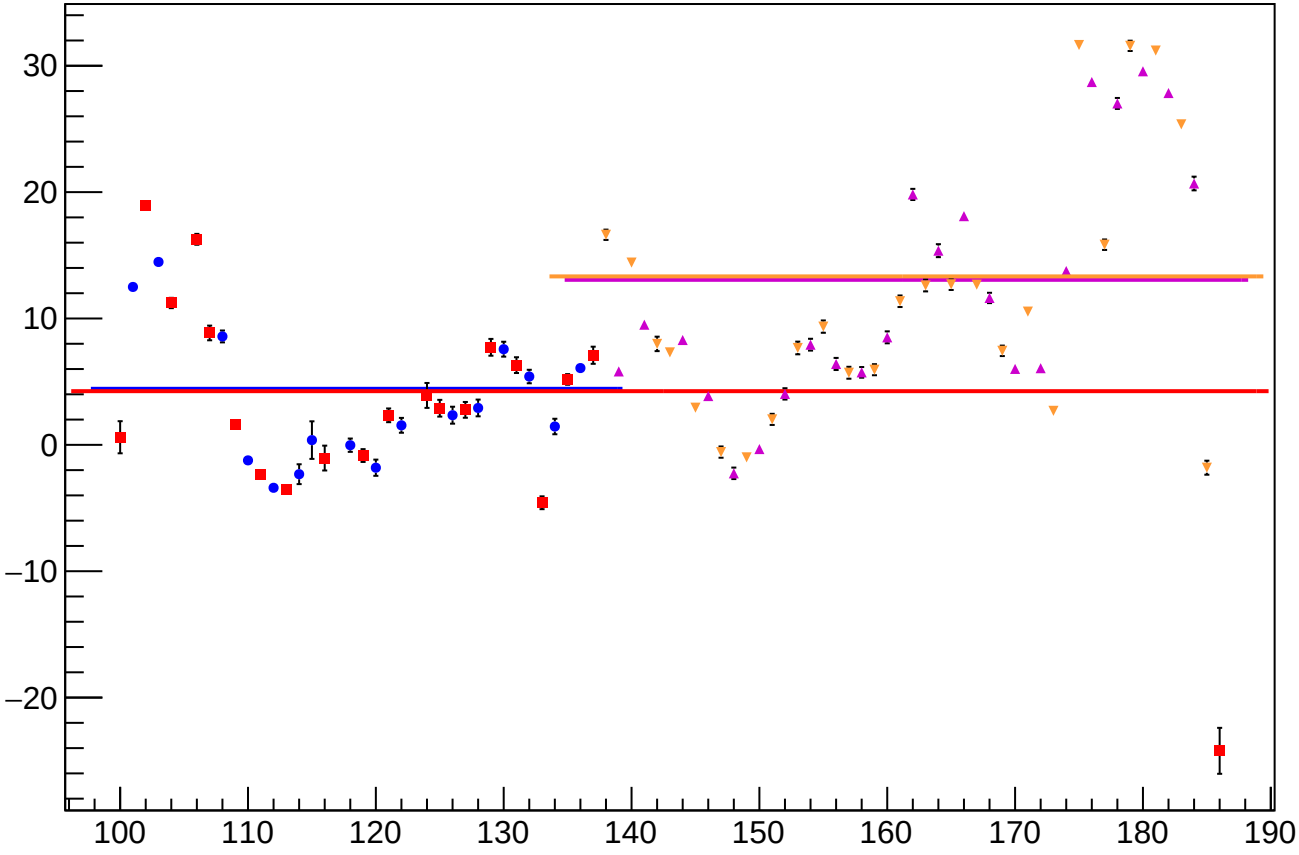
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.187+/-0.003 χ^2/NDF: 3060.4/40

All: 0.179+/-0.002 χ^2/NDF: 6572.4/83

- sign 0.170+/-0.003 χ^2/NDF: 3499.0/42

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

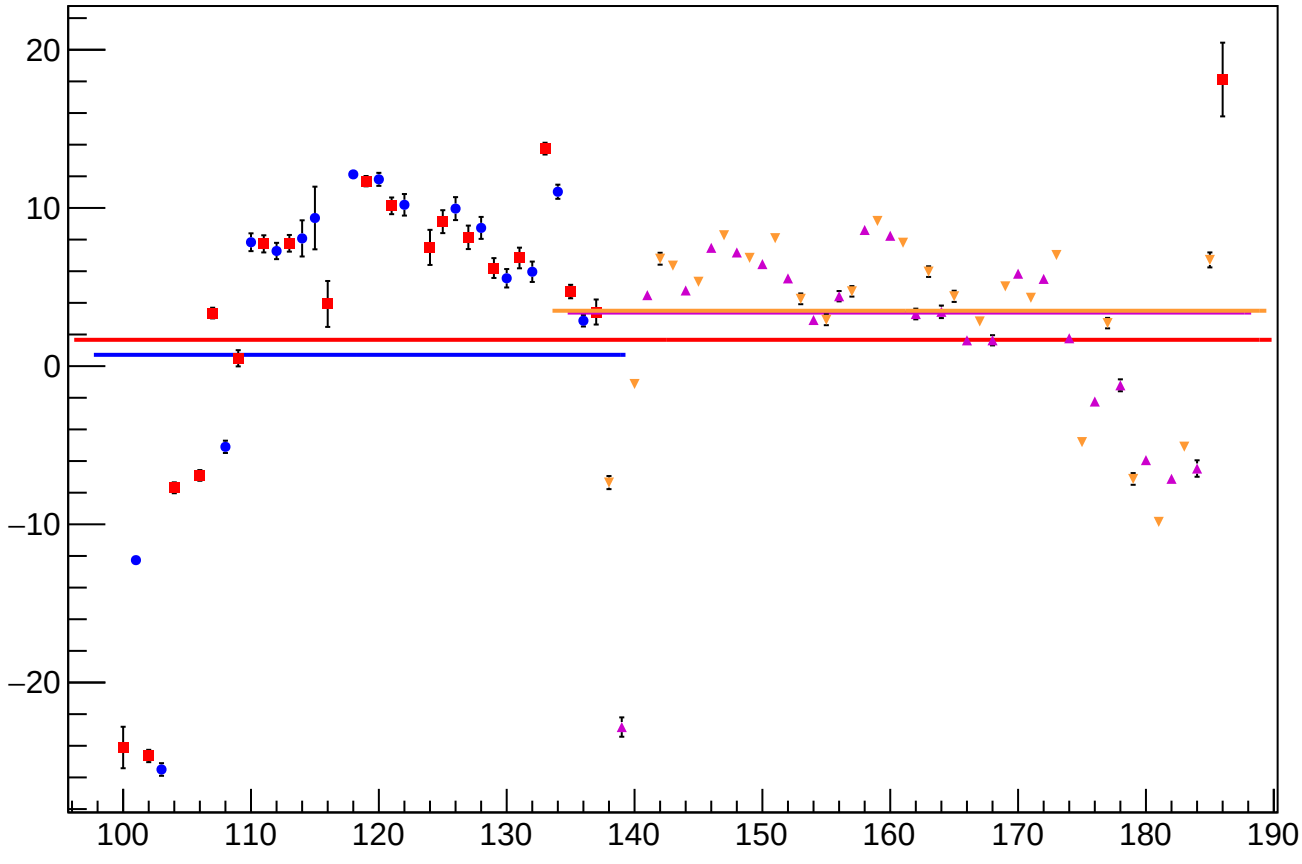
Right Out: 4.248+/-0.109 χ^2/NDF: 4451.2/19

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 10.652+/-0.064 χ^2/NDF: 26097.6/40

All: 10.329+/-0.045 χ^2/NDF: 50437.8/83

- sign 10.006+/-0.064 χ^2/NDF: 24289.5/42



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

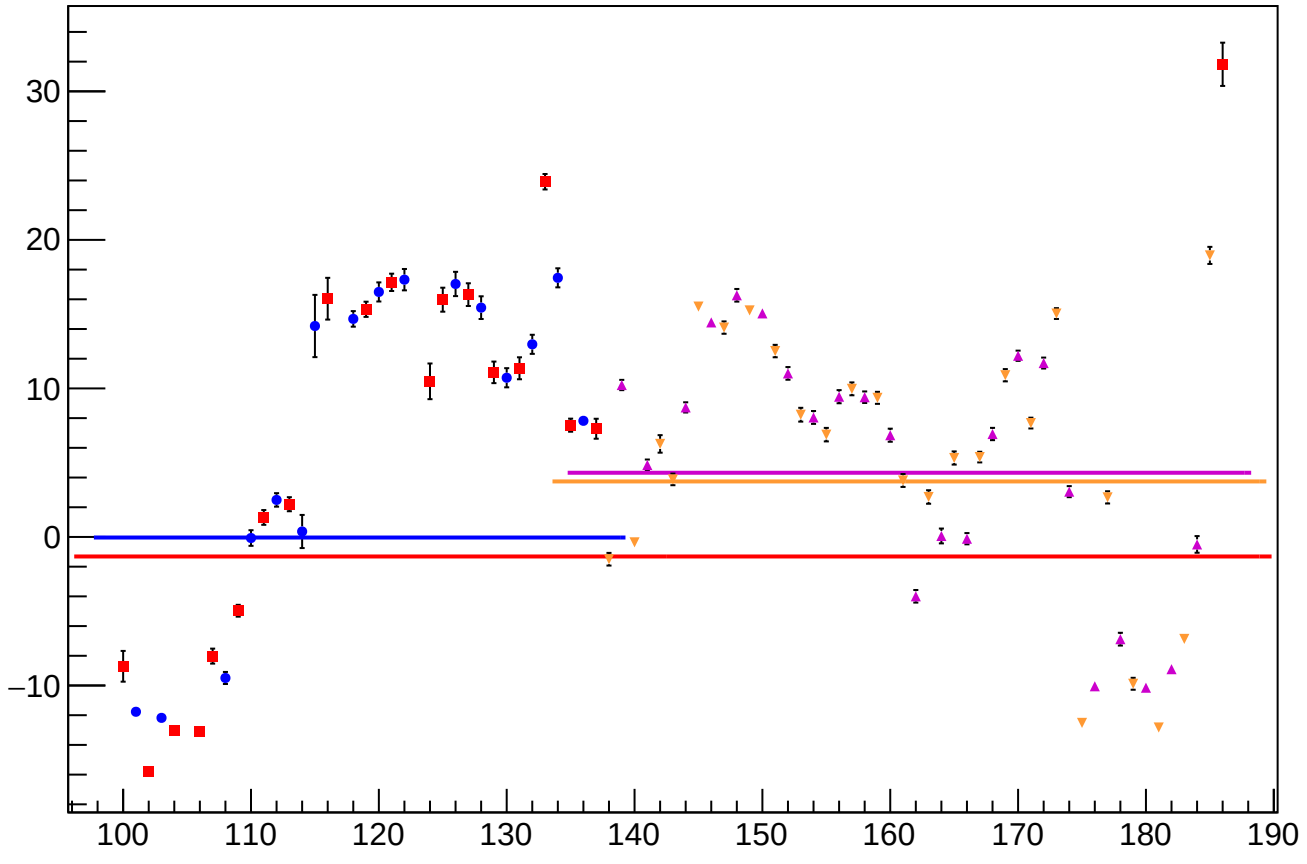
Right Out: 1.664+/-0.111 χ^2/NDF: 9305.5/19

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 2.935+/-0.052 χ^2/NDF: 18826.2/40

All: 2.960+/-0.037 χ^2/NDF: 35024.6/83

- sign 2.985+/-0.053 χ^2/NDF: 16197.9/42



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: -1.314+/-0.115 χ^2/NDF: 12651.1/19

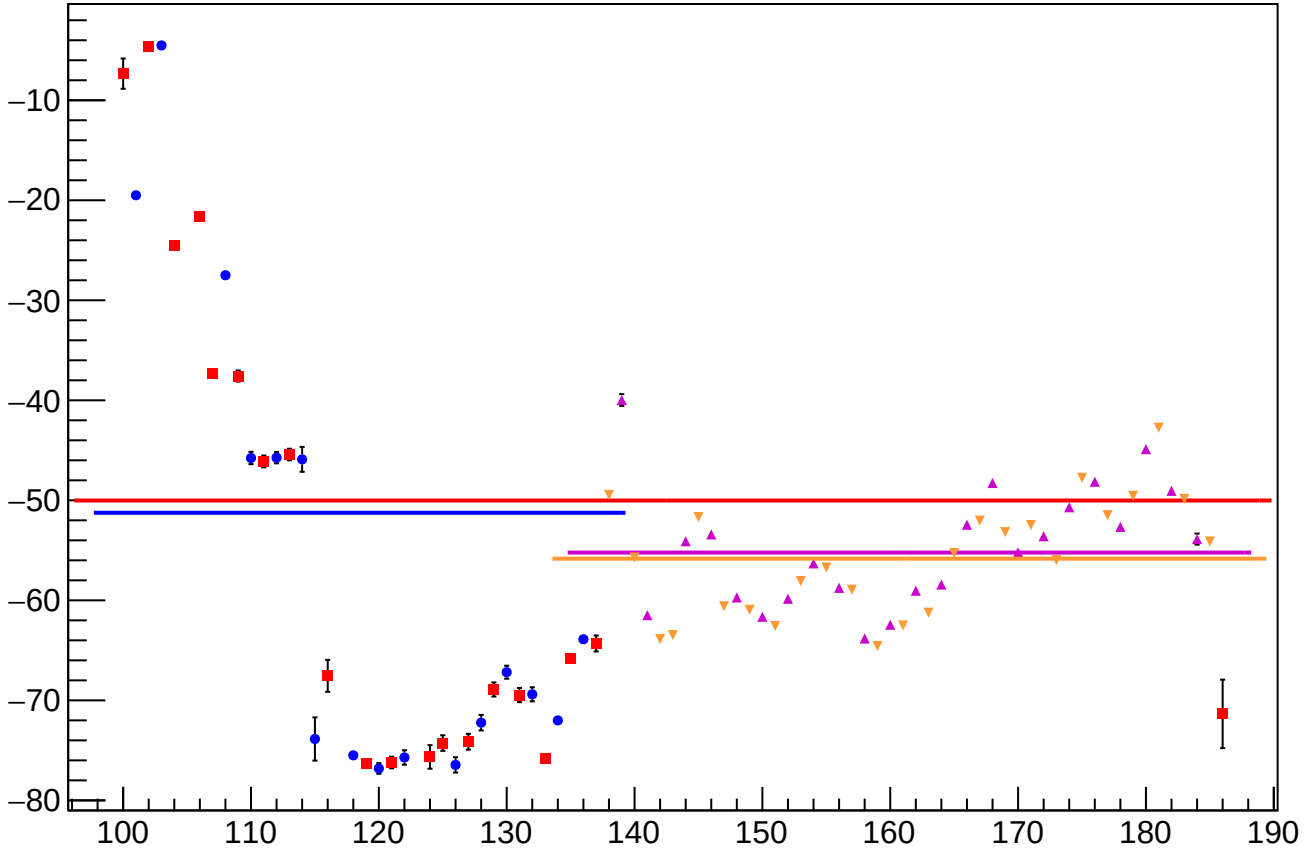
Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 2.640+/-0.064 χ^2/NDF: 25570.9/40

All: 2.581+/-0.046 χ^2/NDF: 52349.6/83

- sign 2.522+/-0.065 χ^2/NDF: 26777.0/42

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -50.014+/-0.131 χ^2/NDF: 33931.5/19

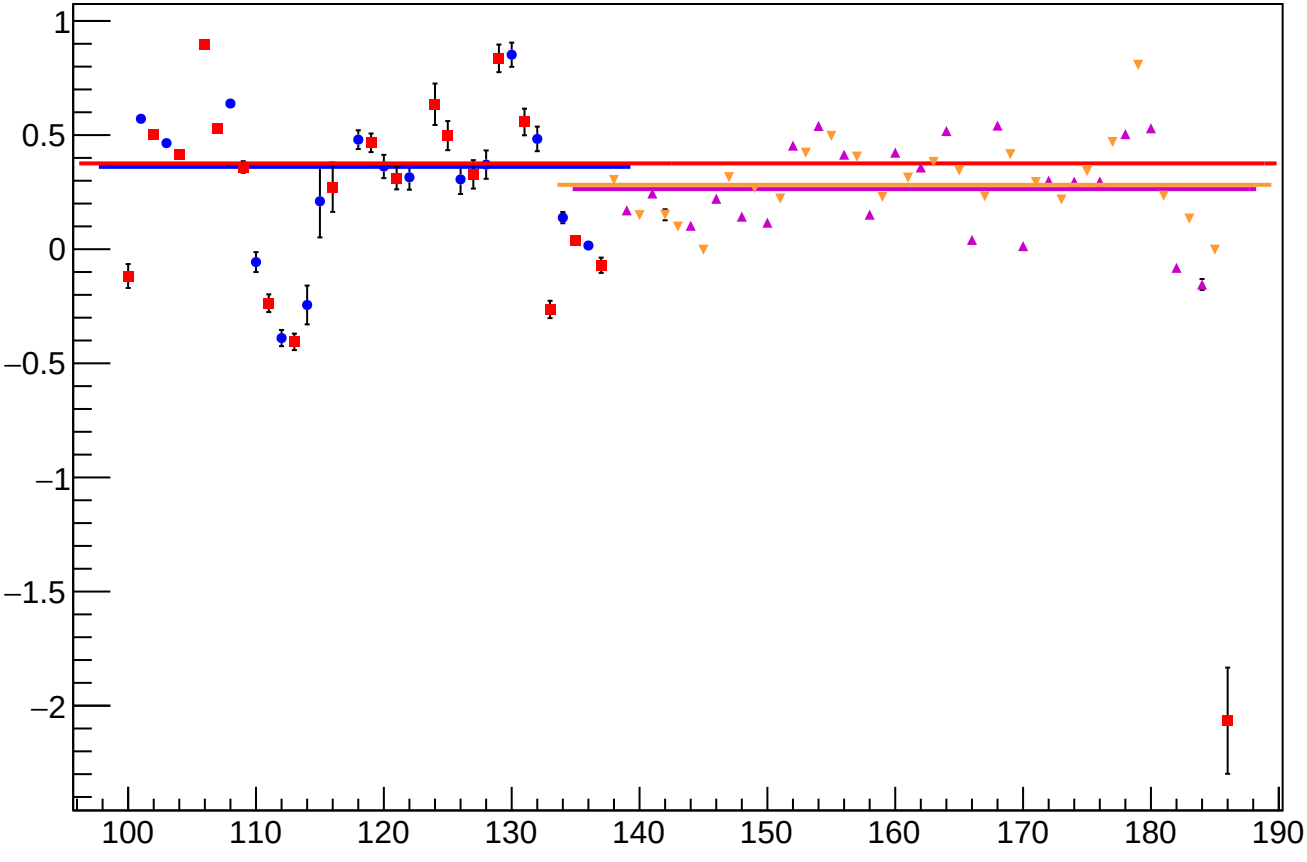
Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -54.948+/-0.060 χ^2/NDF: 42278.8/40

All: -54.529+/-0.043 χ^2/NDF: 83899.8/83

- sign -54.093+/-0.061 χ^2/NDF: 41520.2/42

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.376+/-0.006 χ^2/NDF: 2900.7/19

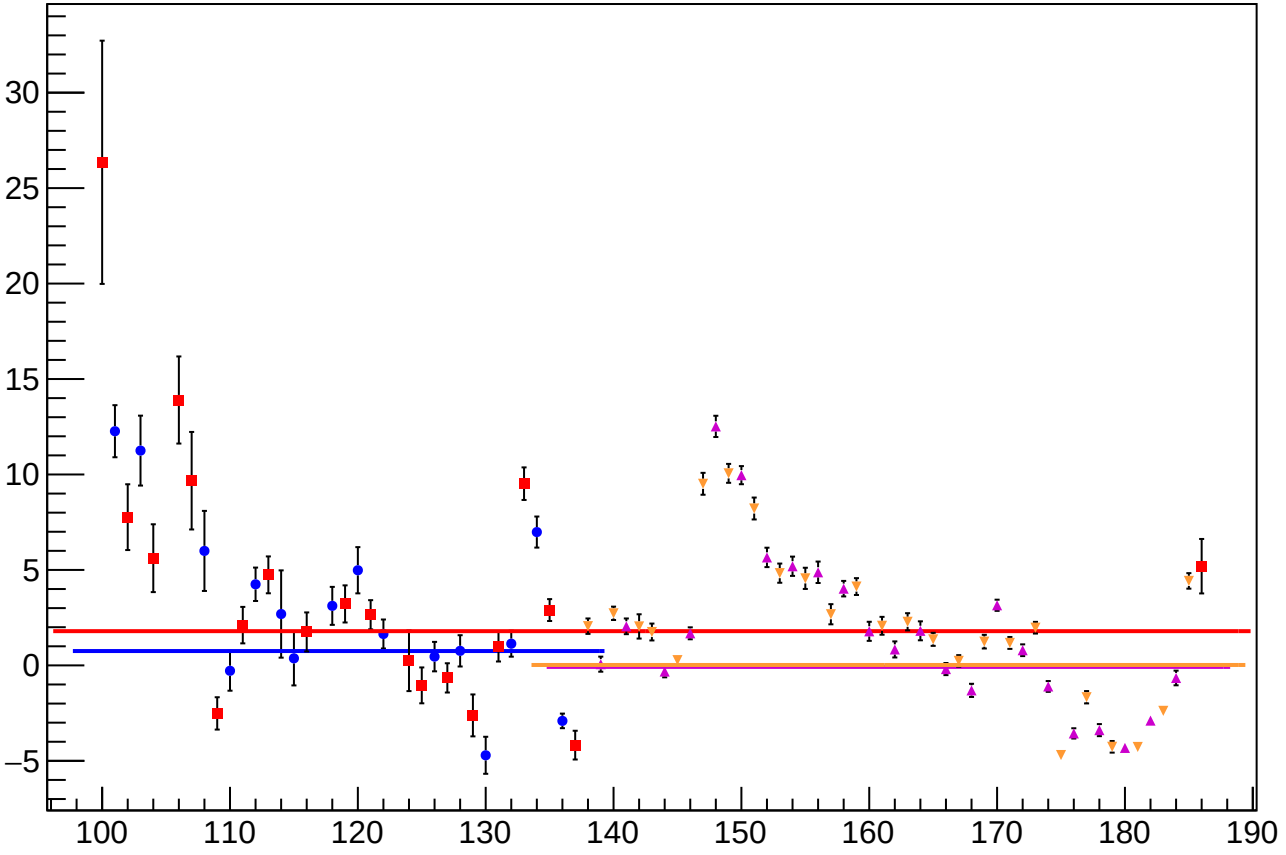
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.296+/-0.003 χ^2/NDF: 4698.1/40

All: 0.291+/-0.002 χ^2/NDF: 11715.1/83

- sign 0.286+/-0.003 χ^2/NDF: 7009.0/42

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 1.793+/-0.220 χ^2/NDF: 299.7/19

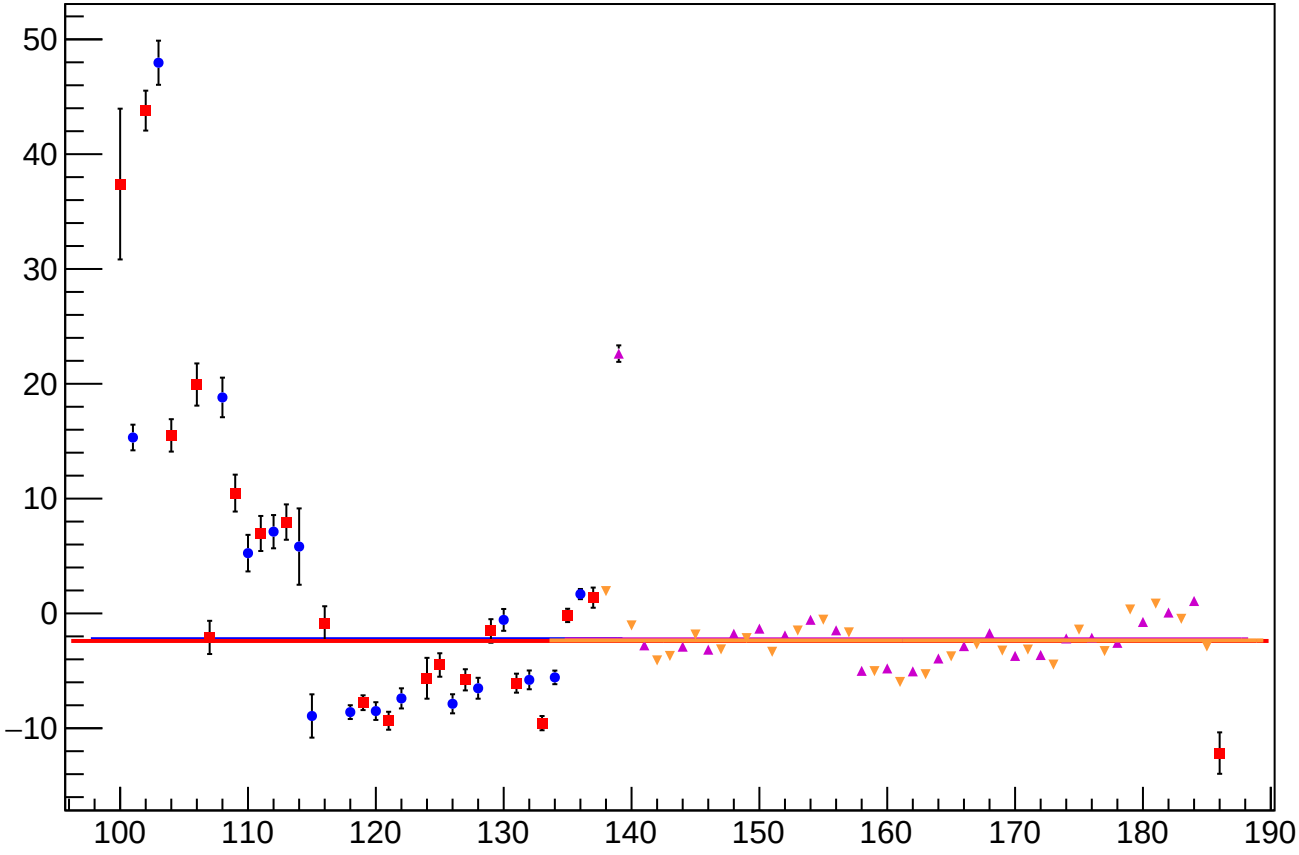
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

\+ sign 0.091+/-0.065 χ^2/NDF: 3100.1/40

All: 0.093+/-0.047 χ^2/NDF: 5929.9/83

\- sign 0.095+/-0.067 χ^2/NDF: 2829.8/42

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: -2.399+/-0.227 χ^2/NDF: 1585.4/19

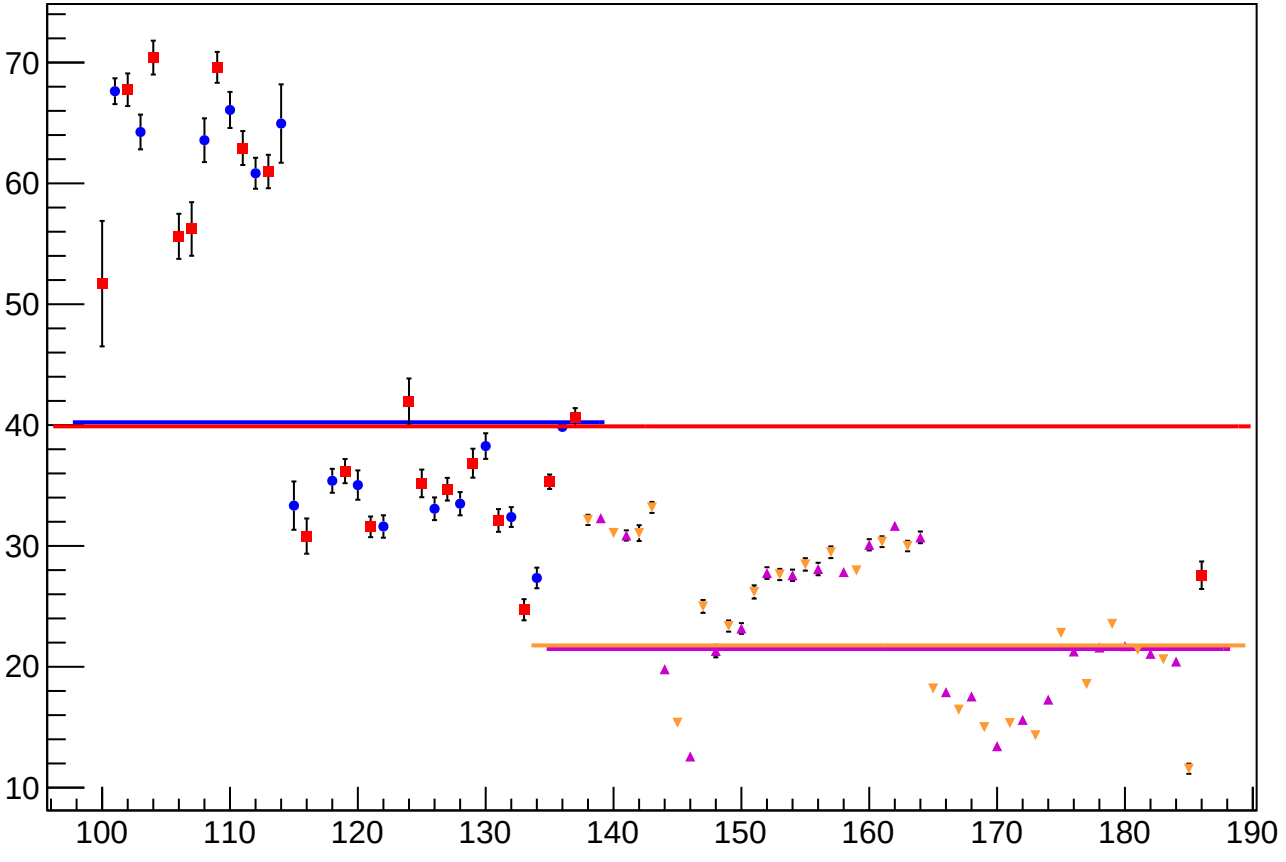
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -2.346+/-0.053 χ^2/NDF: 2698.4/40

All: -2.306+/-0.038 χ^2/NDF: 6162.5/83

- sign -2.265+/-0.055 χ^2/NDF: 3463.0/42

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

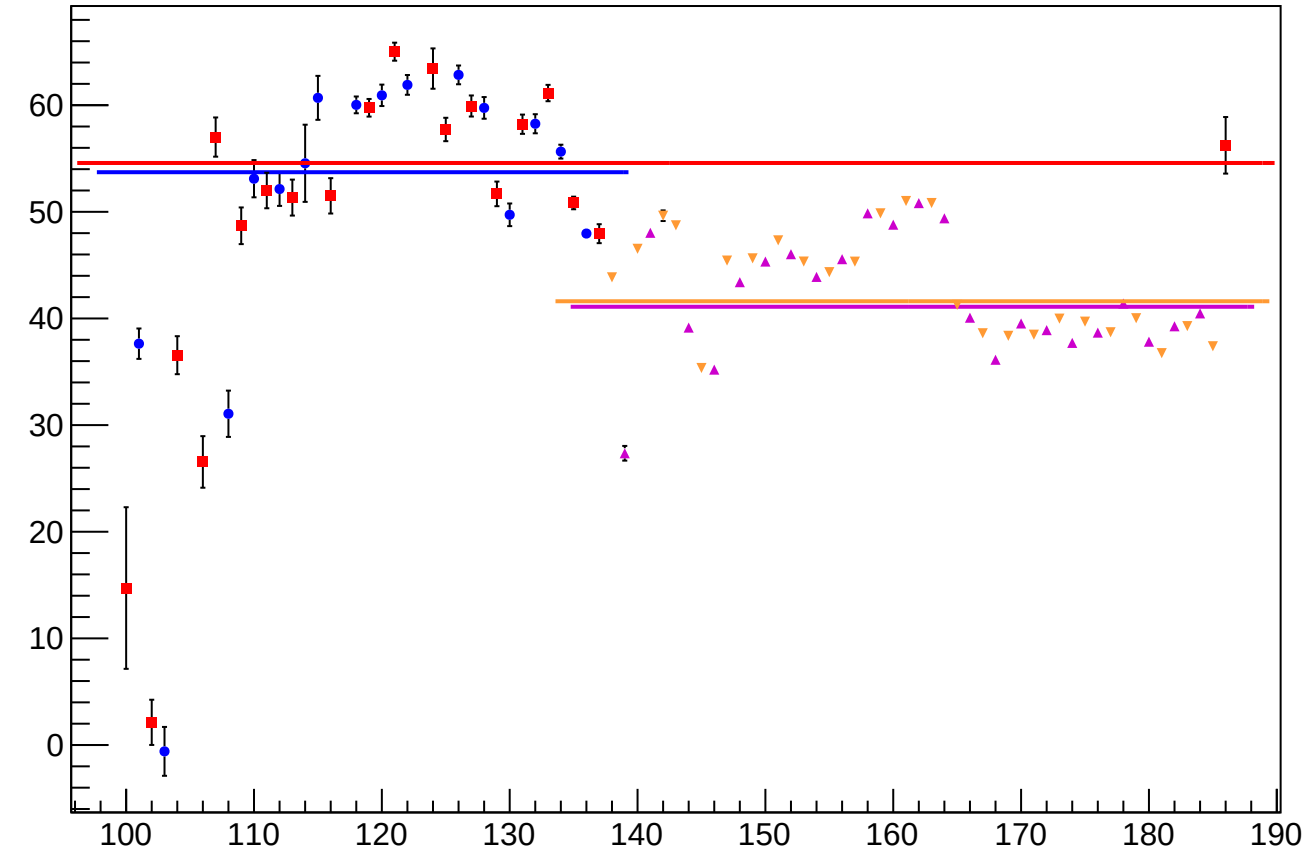
Right Out: 39.895+/-0.245 χ^2/NDF: 2820.6/19

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.270+/-0.066 χ^2/NDF: 14952.5/40

All: 23.085+/-0.047 χ^2/NDF: 28813.4/83

- sign 22.889+/-0.068 χ^2/NDF: 13844.7/42



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 54.580+/-0.255 χ^2/NDF: 1343.0/19

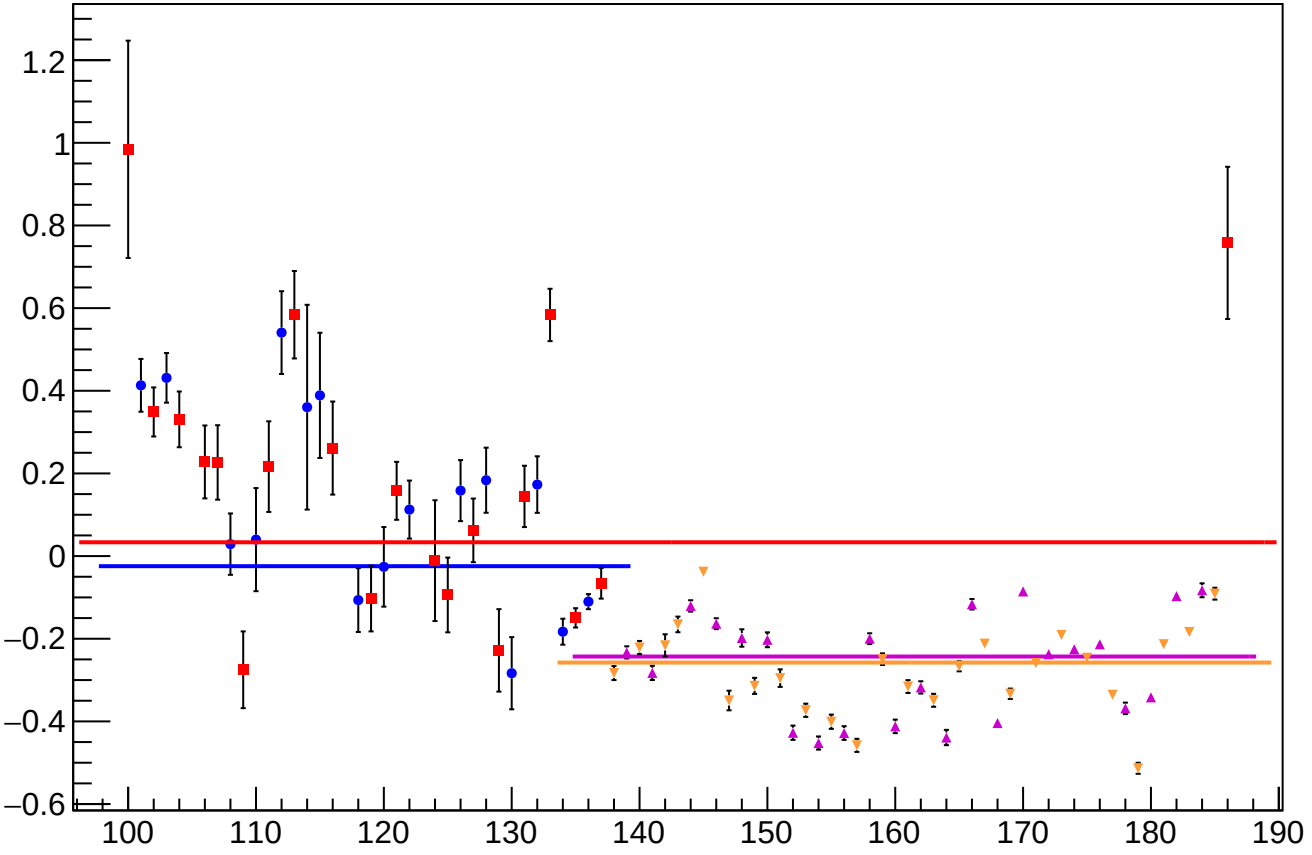
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.359+/-0.059 χ^2/NDF: 9544.5/40

All: 42.119+/-0.042 χ^2/NDF: 19036.6/83

- sign 41.866+/-0.061 χ^2/NDF: 9458.4/42

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

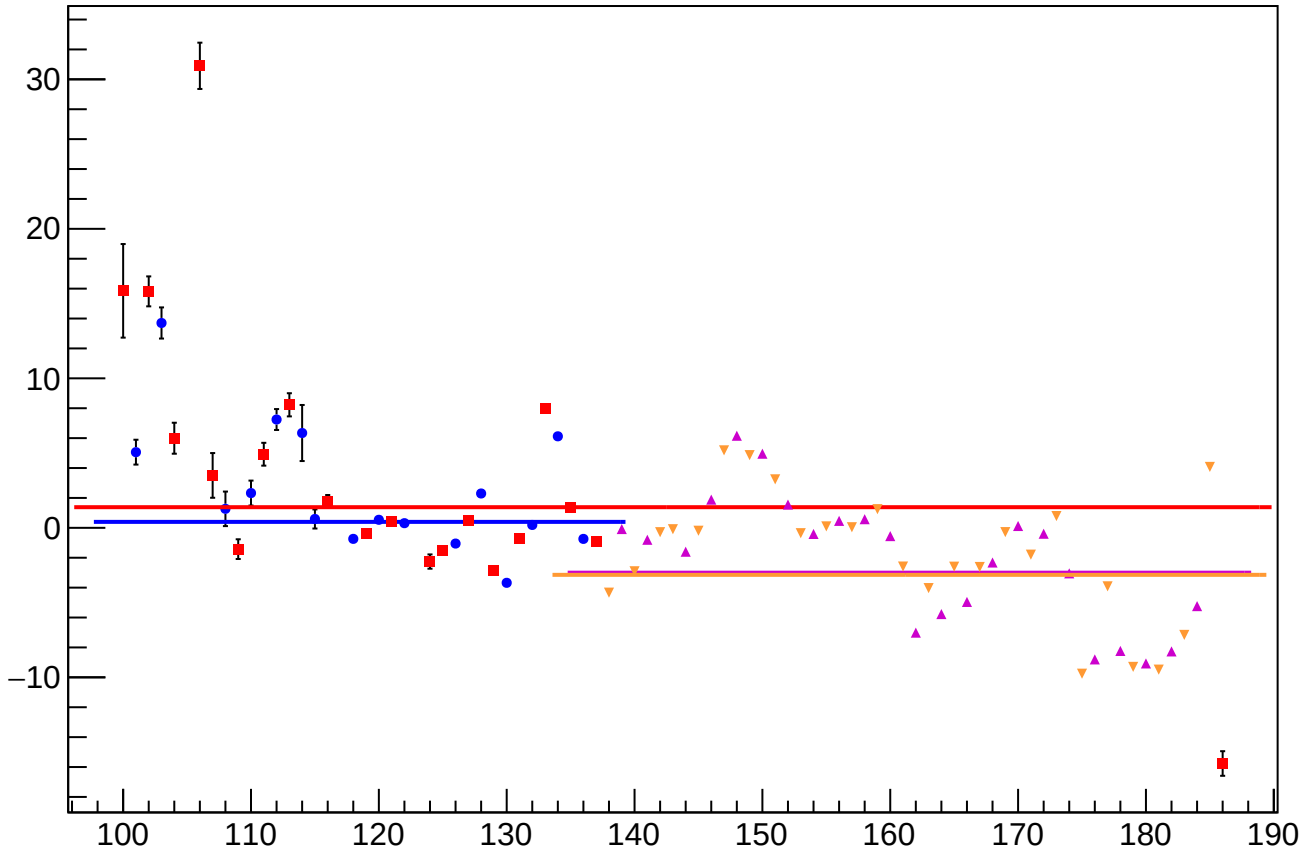
Right Out: 0.033+/-0.014 χ^2/NDF: 292.0/19

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.248+/-0.003 χ^2/NDF: 2062.1/40

All: -0.240+/-0.002 χ^2/NDF: 4545.6/83

- sign -0.233+/-0.003 χ^2/NDF: 2468.7/42



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

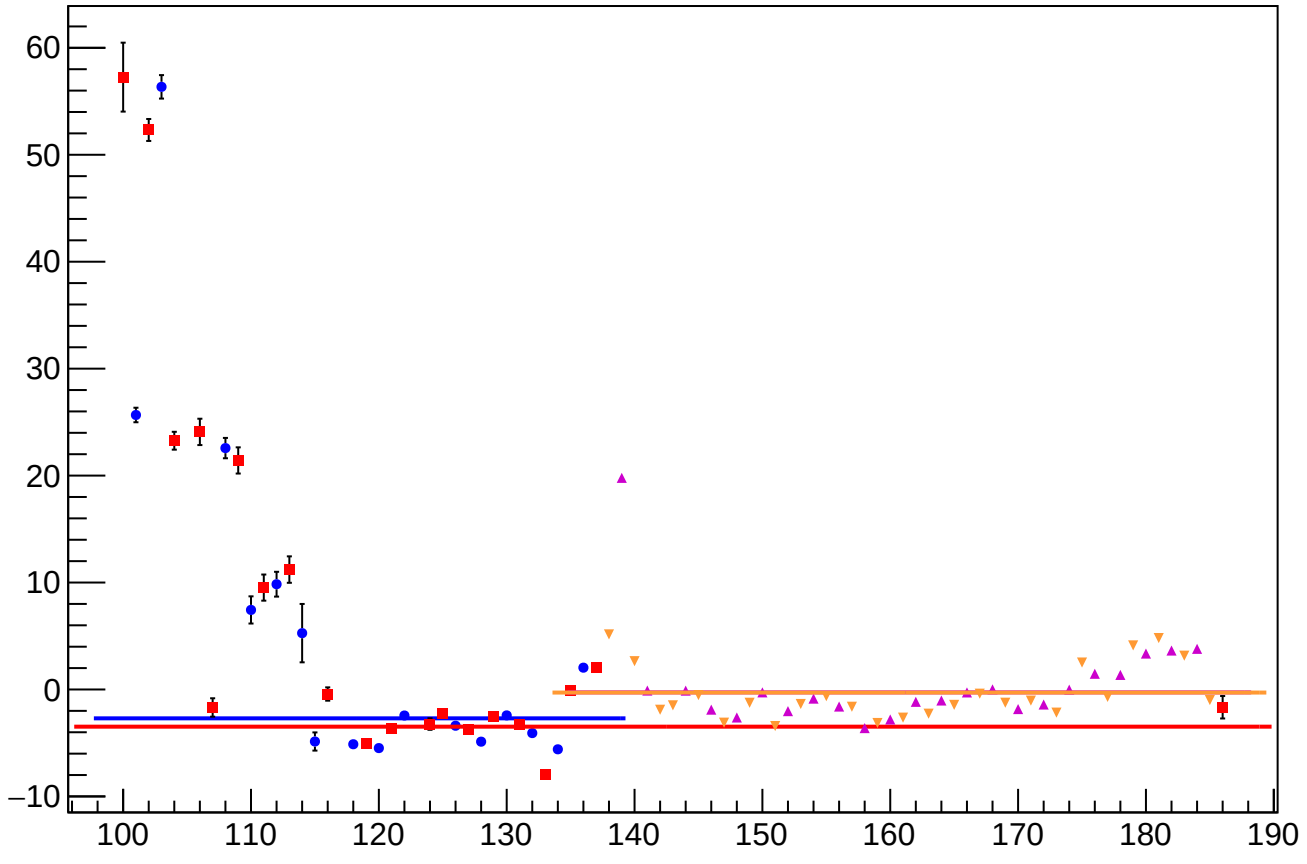
Right Out: 1.381+/-0.078 χ^2/NDF: 2849.2/19

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.738+/-0.026 χ^2/NDF: 28326.6/40

All: -2.614+/-0.019 χ^2/NDF: 56441.7/83

- sign -2.483+/-0.027 χ^2/NDF: 28068.2/42



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: -3.477+/-0.071 χ^2/NDF: 7162.9/19

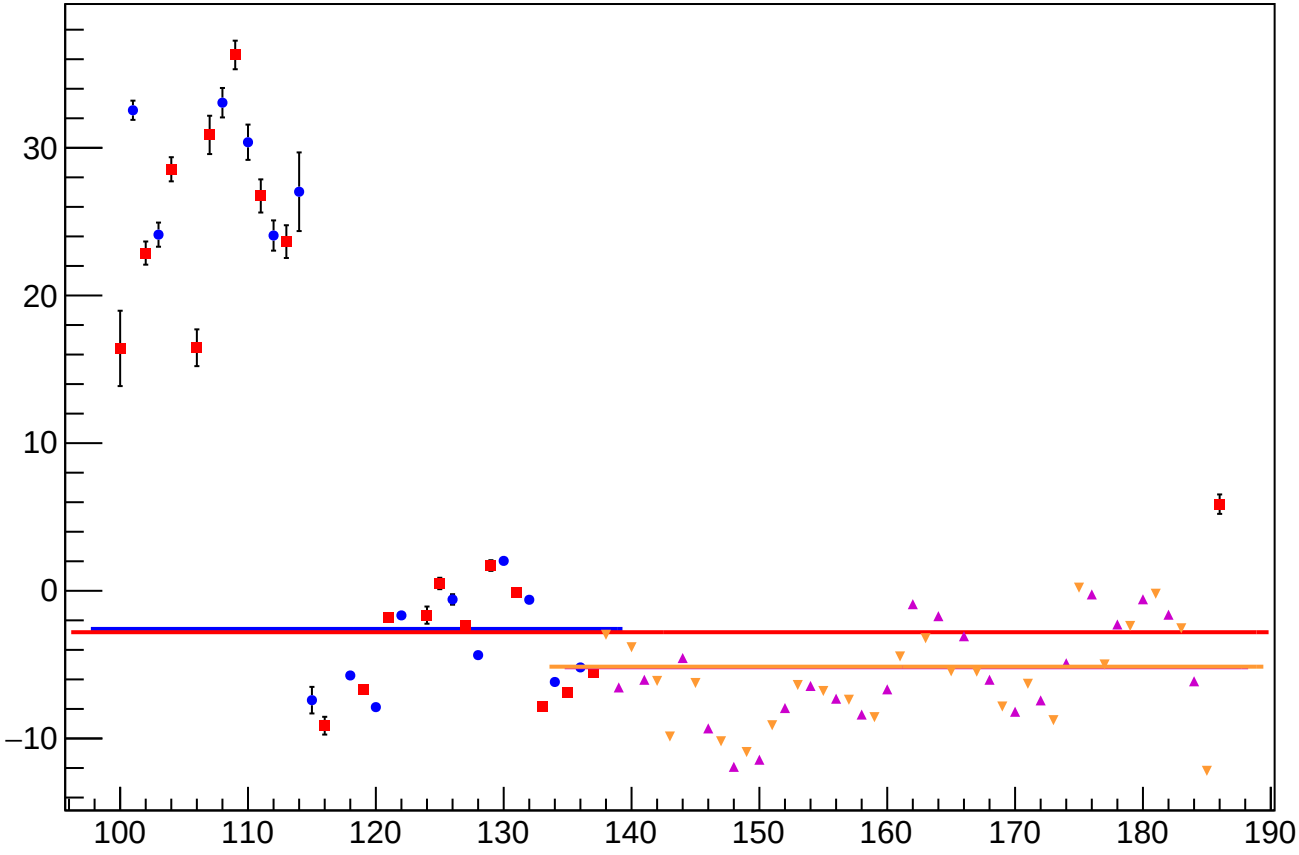
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign -0.497+/-0.021 χ^2/NDF: 20363.1/40

All: -0.528+/-0.015 χ^2/NDF: 42622.4/83

- sign -0.561+/-0.021 χ^2/NDF: 22254.6/42

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -2.804+/-0.084 χ^2/NDF: 8372.9/19

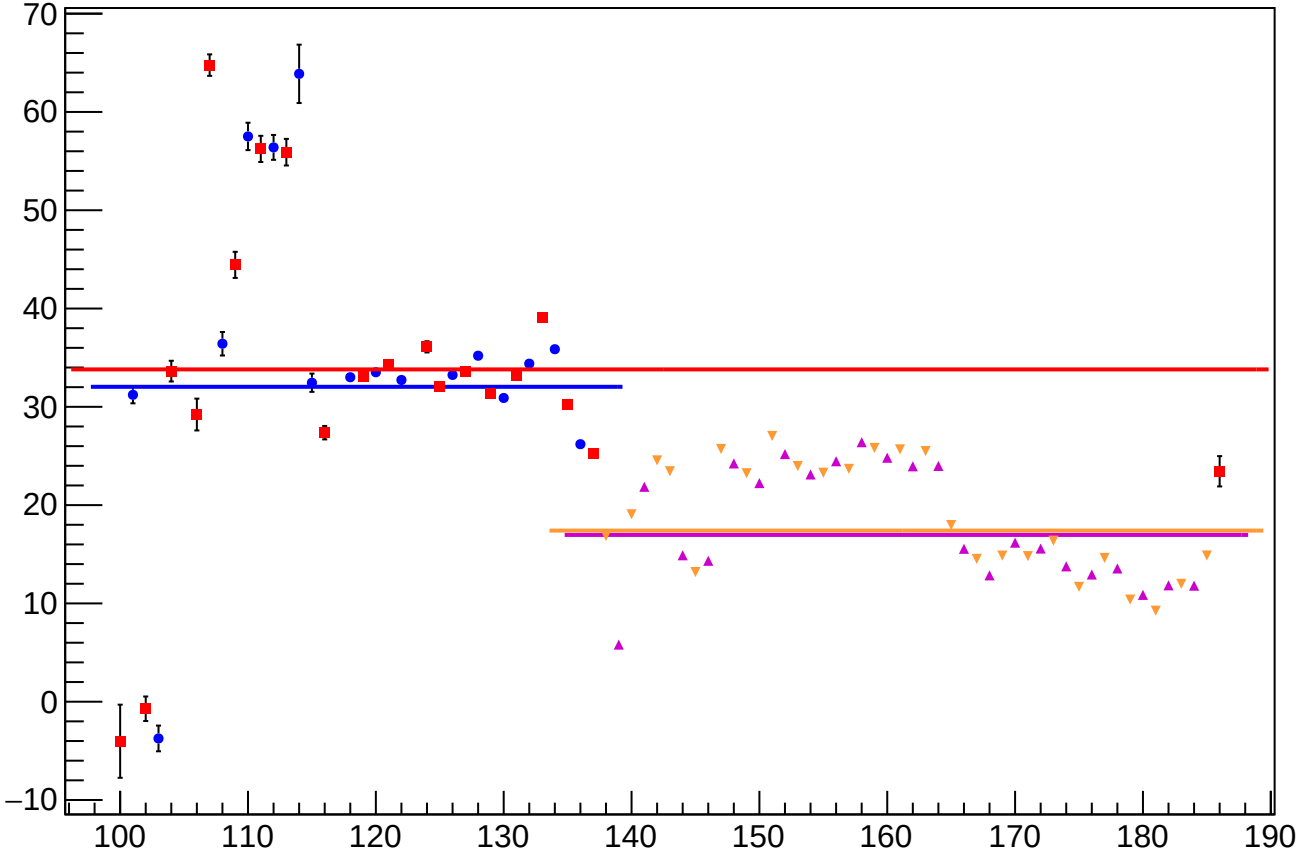
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.881+/-0.026 χ^2/NDF: 23637.1/40

All: -4.907+/-0.019 χ^2/NDF: 46688.4/83

- sign -4.935+/-0.027 χ^2/NDF: 23049.3/42

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 33.808+/-0.082 χ^2/NDF: 4283.1/19

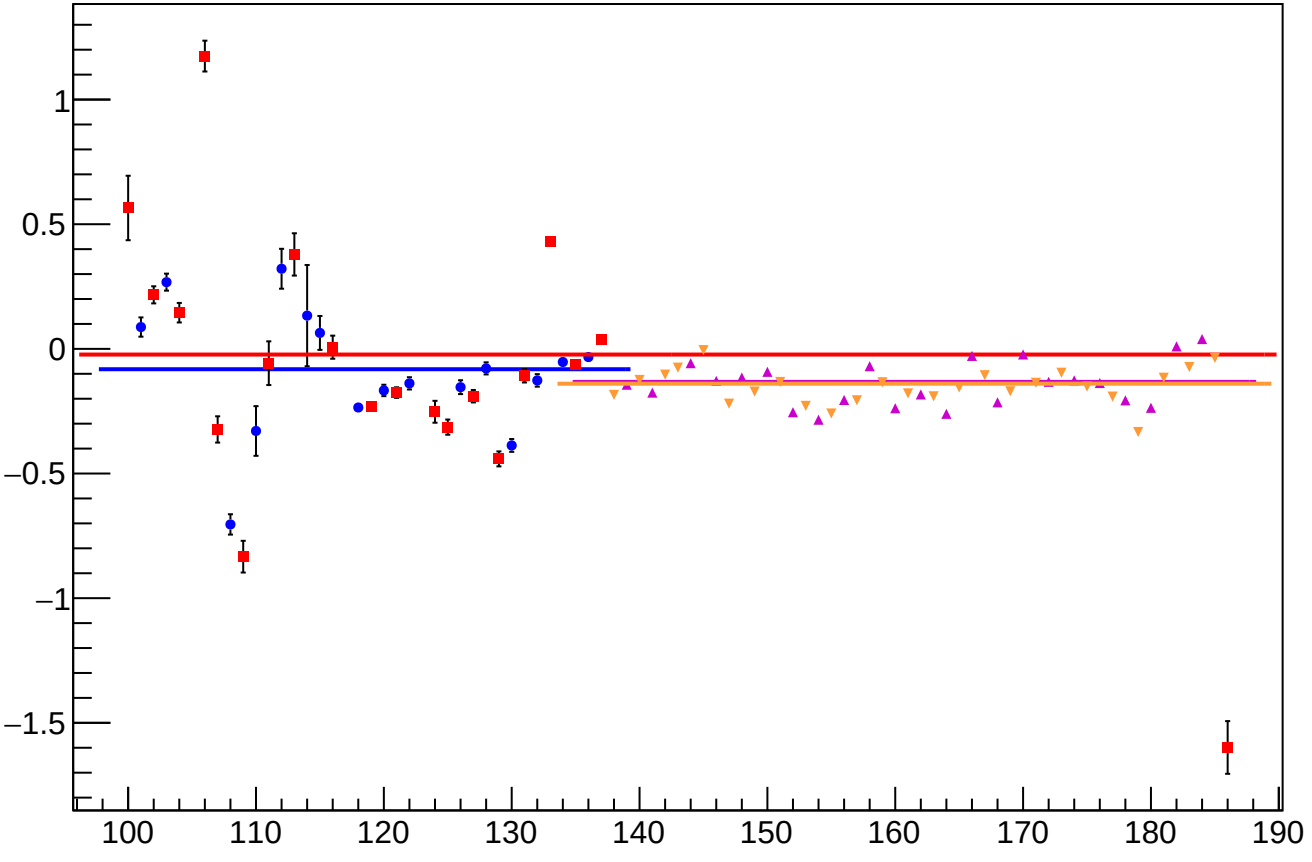
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

\+ sign 18.623+/-0.023 χ^2/NDF: 83587.2/40

All: 18.522+/-0.017 χ^2/NDF: 166867.9/83

\- sign 18.416+/-0.024 χ^2/NDF: 83242.7/42

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

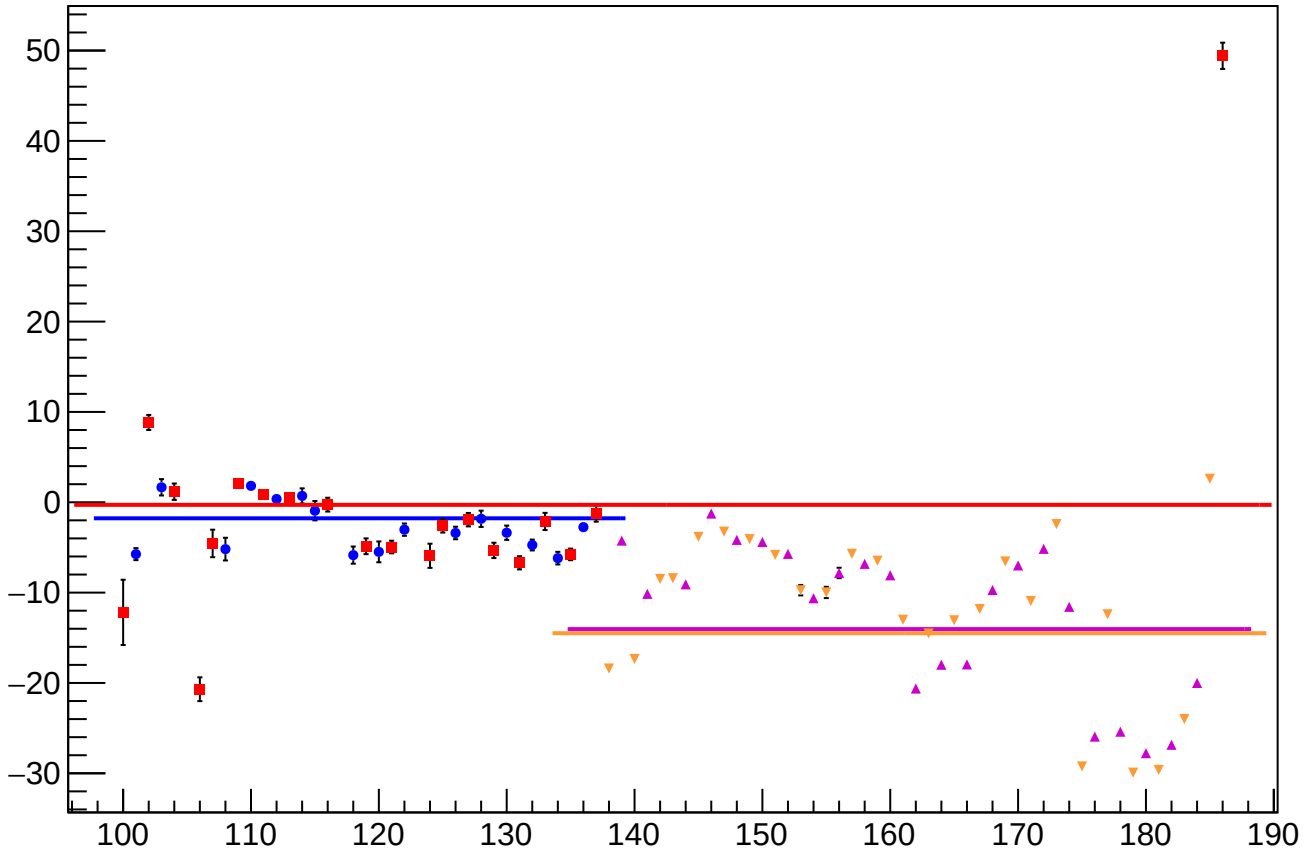
Right Out: -0.023+/-0.005 χ^2/NDF: 2496.6/19

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.137+/-0.001 χ^2/NDF: 4934.7/40

All: -0.132+/-0.001 χ^2/NDF: 13424.1/83

- sign -0.128+/-0.001 χ^2/NDF: 8453.3/42



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -0.286+/-0.148 χ^2/NDF: 1915.2/19

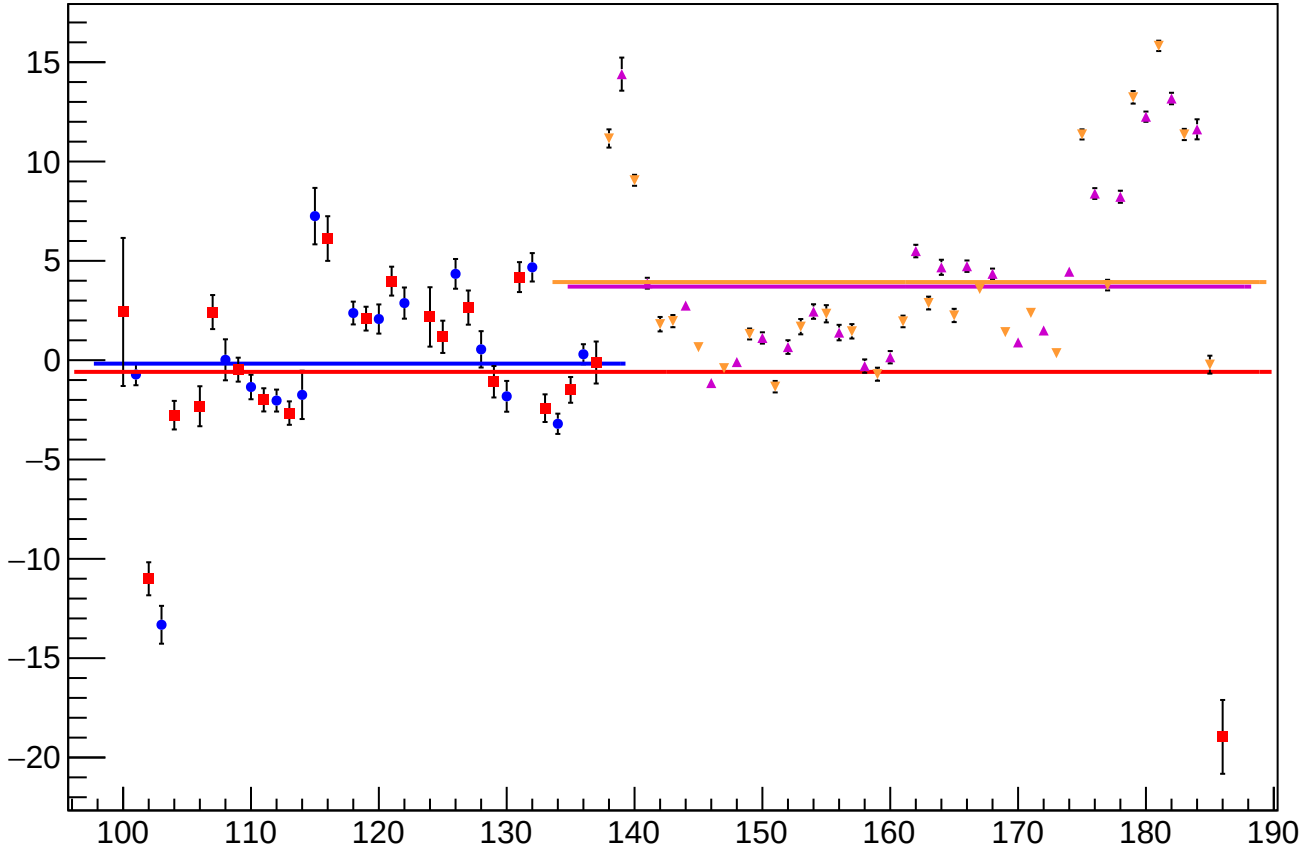
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.146+/-0.068 χ^2/NDF: 22873.2/40

All: -11.631+/-0.048 χ^2/NDF: 45223.0/83

- sign -11.106+/-0.068 χ^2/NDF: 22232.2/42

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: -0.589+/-0.176 χ^2/NDF: 465.0/19

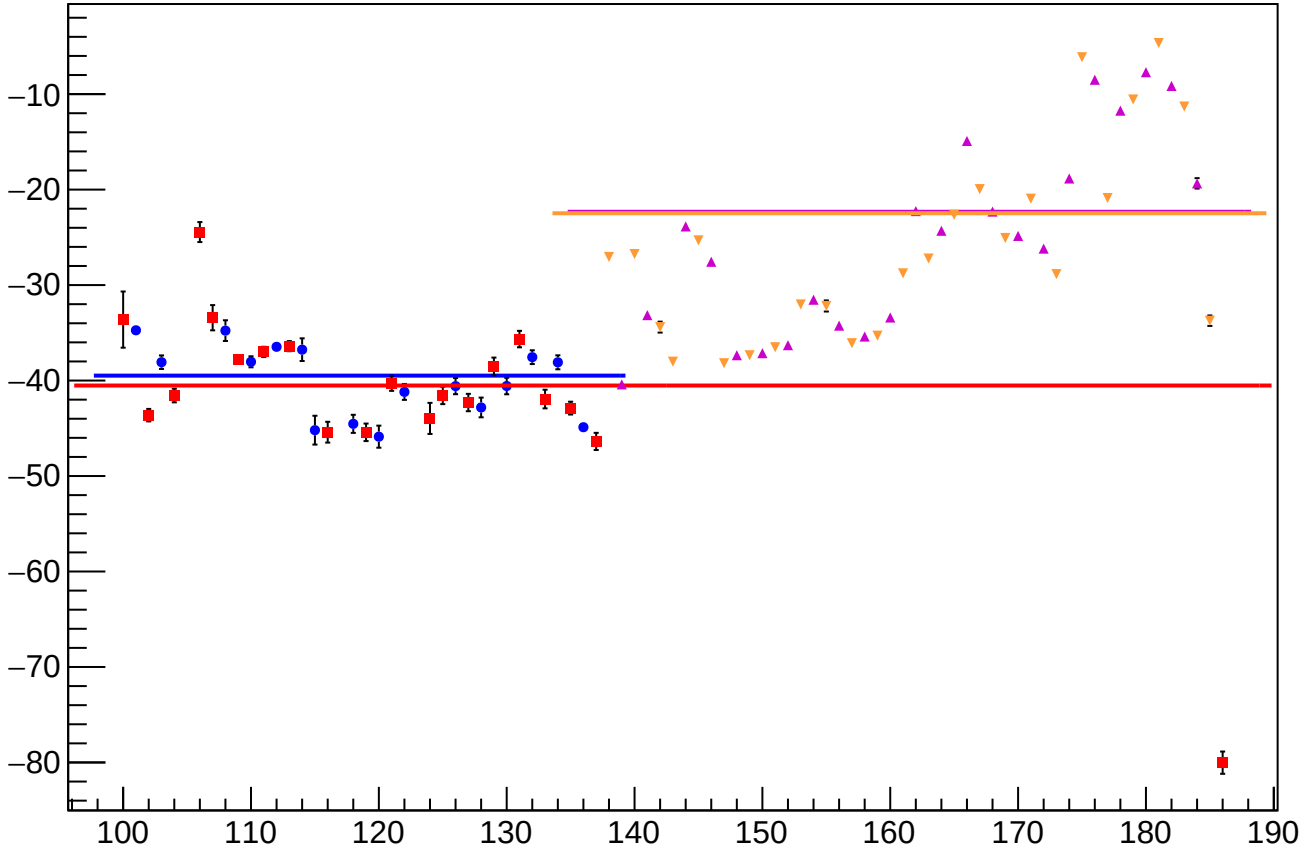
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.518+/-0.055 χ^2/NDF: 7888.8/40

All: 3.396+/-0.039 χ^2/NDF: 13684.2/83

- sign 3.268+/-0.056 χ^2/NDF: 5785.2/42

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -40.521+/-0.179 χ^2/NDF: 1728.2/19

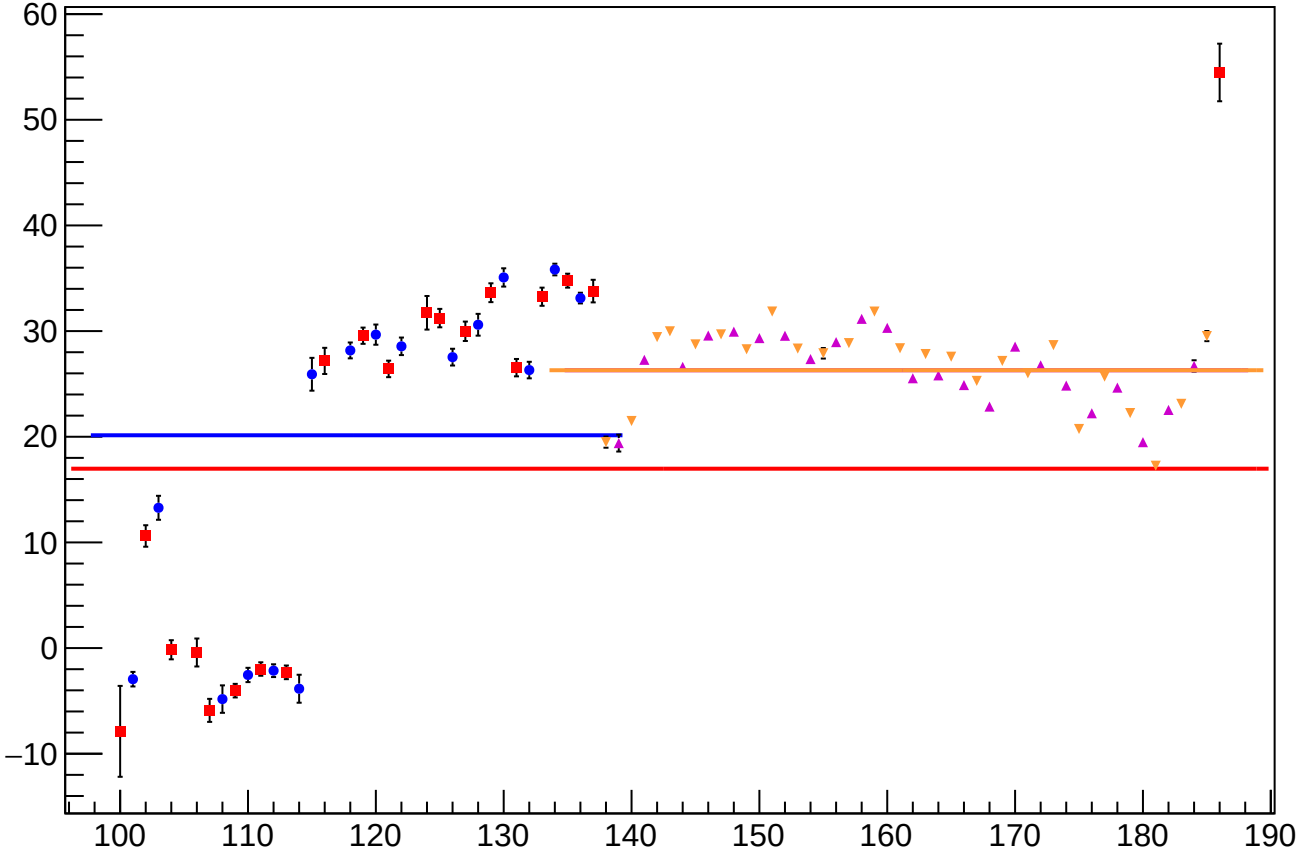
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -24.976+/-0.069 χ^2/NDF: 28422.5/40

All: -25.057+/-0.049 χ^2/NDF: 56038.0/83

- sign -25.142+/-0.070 χ^2/NDF: 27612.6/42

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.976+/-0.199 χ^2/NDF: 6929.4/19

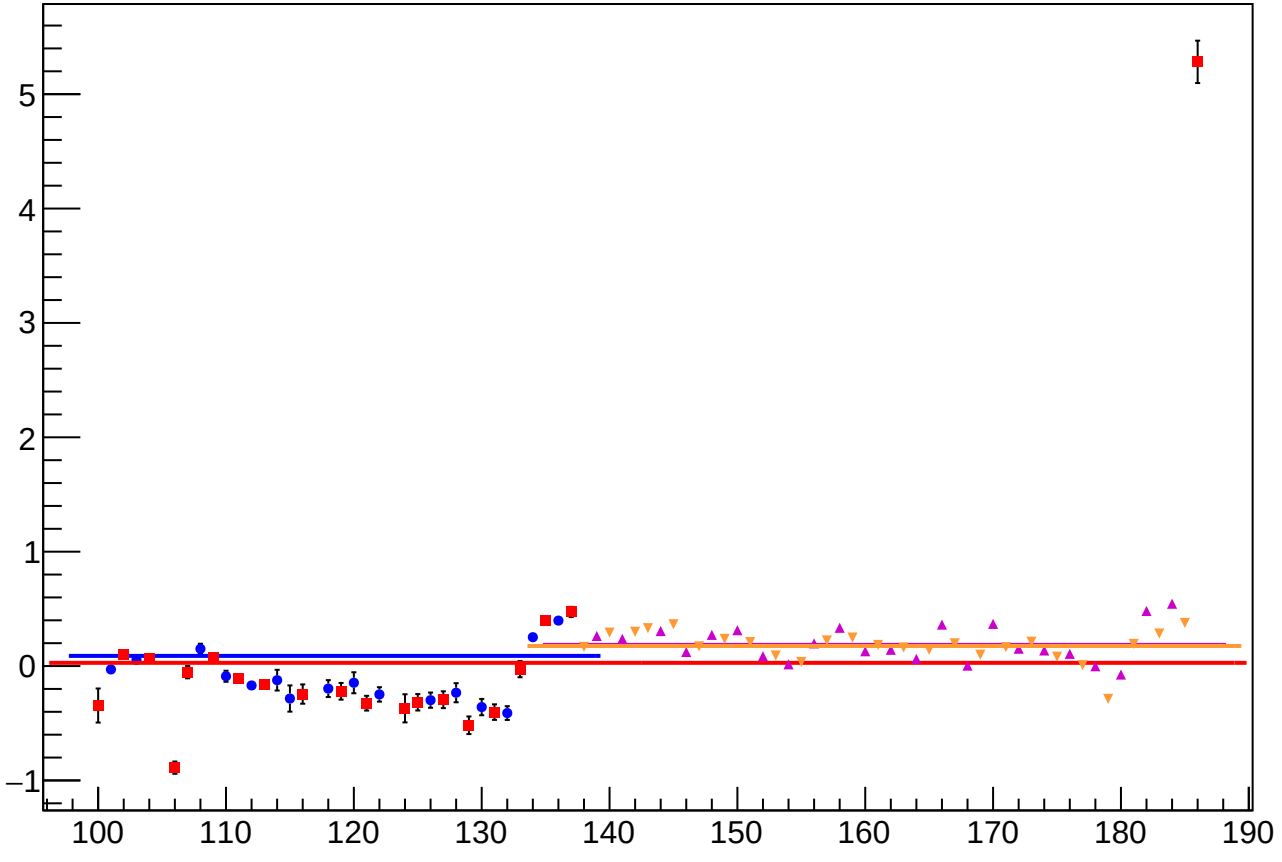
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.677+/-0.062 χ^2/NDF: 10891.5/40

All: 25.520+/-0.044 χ^2/NDF: 21987.5/83

- sign 25.354+/-0.063 χ^2/NDF: 11082.7/42

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: 0.028+/-0.011 χ^2/NDF: 1641.4/19

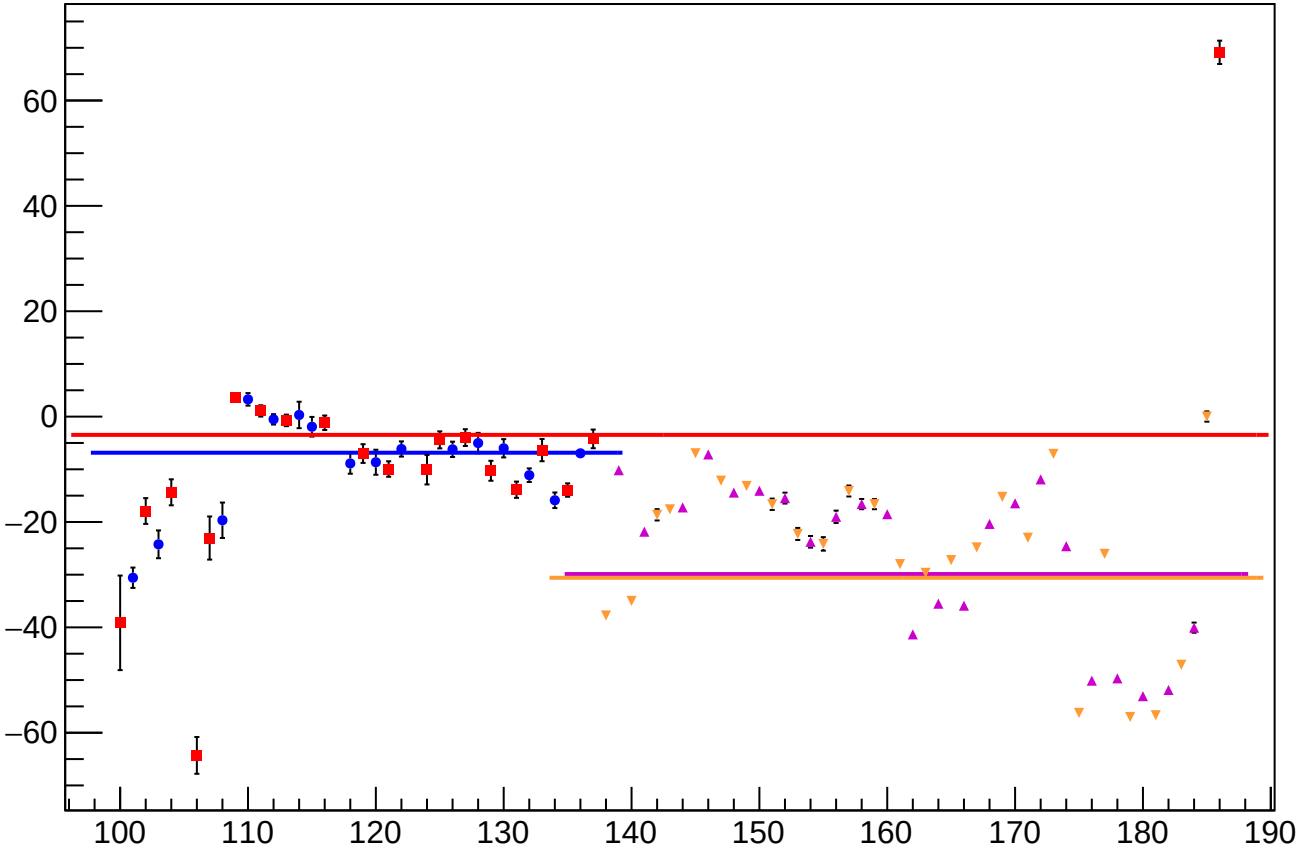
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.169+/-0.003 χ^2/NDF: 2563.8/40

All: 0.172+/-0.002 χ^2/NDF: 6934.7/83

- sign 0.174+/-0.003 χ^2/NDF: 4369.3/42

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -3.466+/-0.364 χ^2/NDF: 1711.6/19

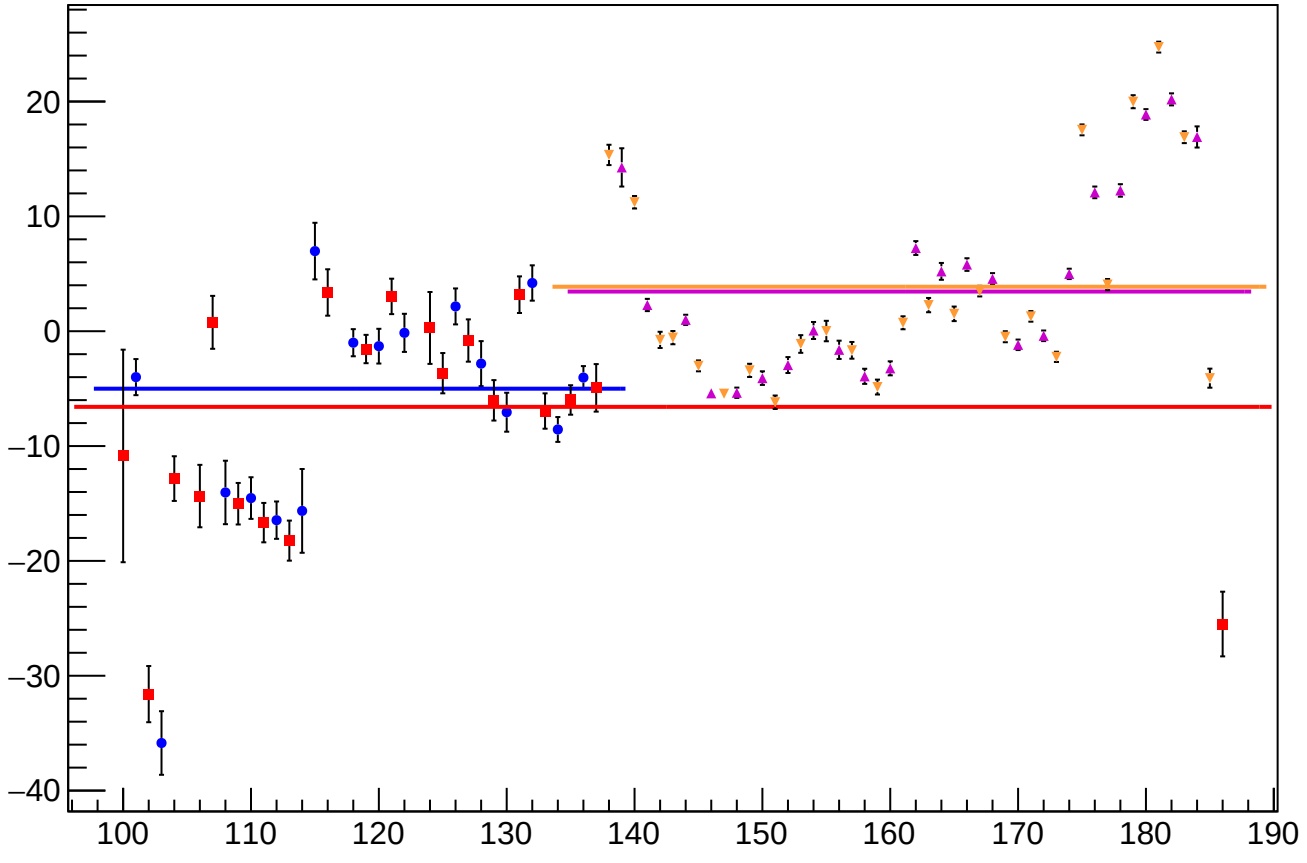
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -27.614+/-0.133 χ^2/NDF: 19928.8/40

All: -26.925+/-0.095 χ^2/NDF: 38263.8/83

- sign -26.208+/-0.136 χ^2/NDF: 18280.1/42

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -6.586+/-0.412 χ^2/NDF: 415.2/19

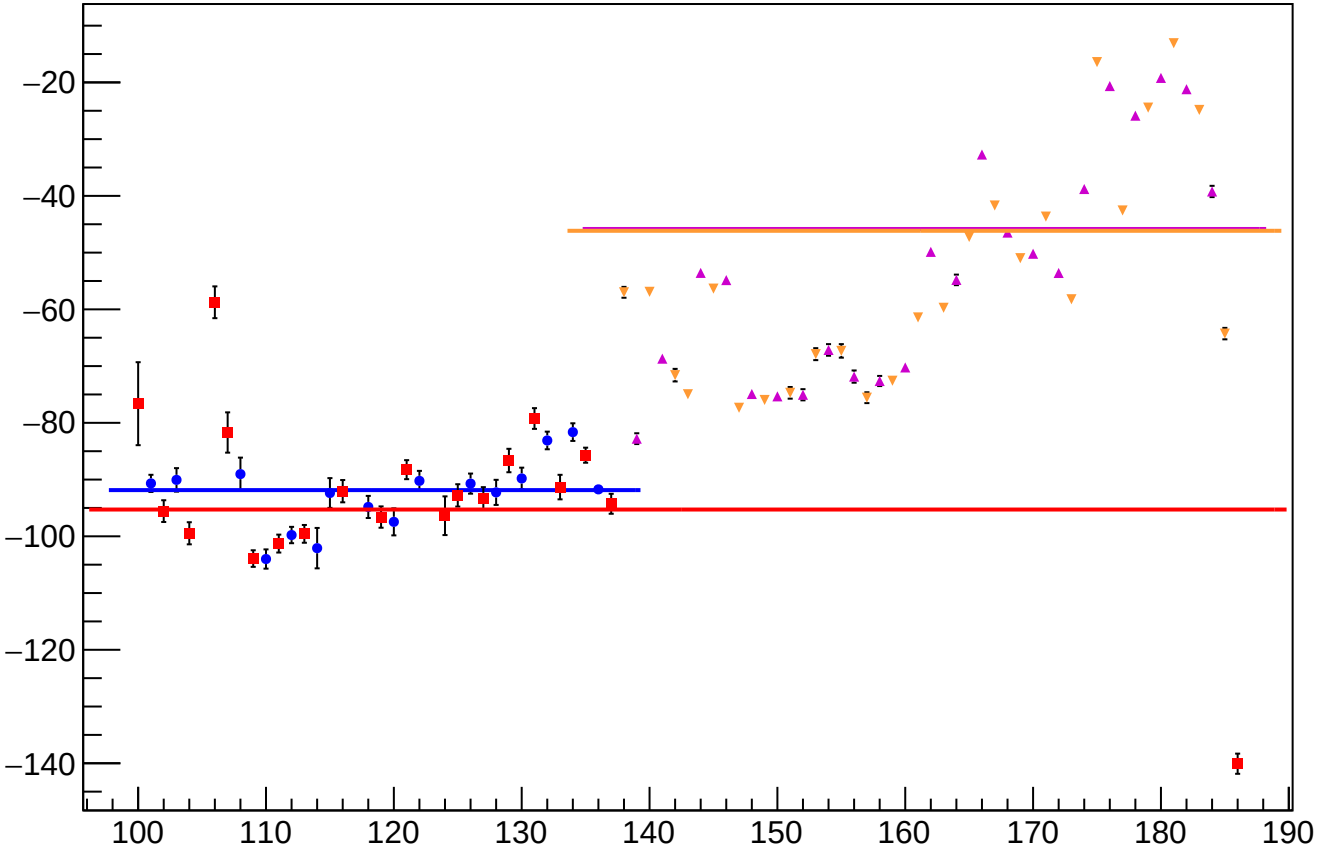
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.222+/-0.107 χ^2/NDF: 7351.1/40

All: 2.988+/-0.077 χ^2/NDF: 13021.4/83

- sign 2.743+/-0.110 χ^2/NDF: 5660.6/42

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -95.280+/-0.426 χ^2/NDF: 1062.0/19

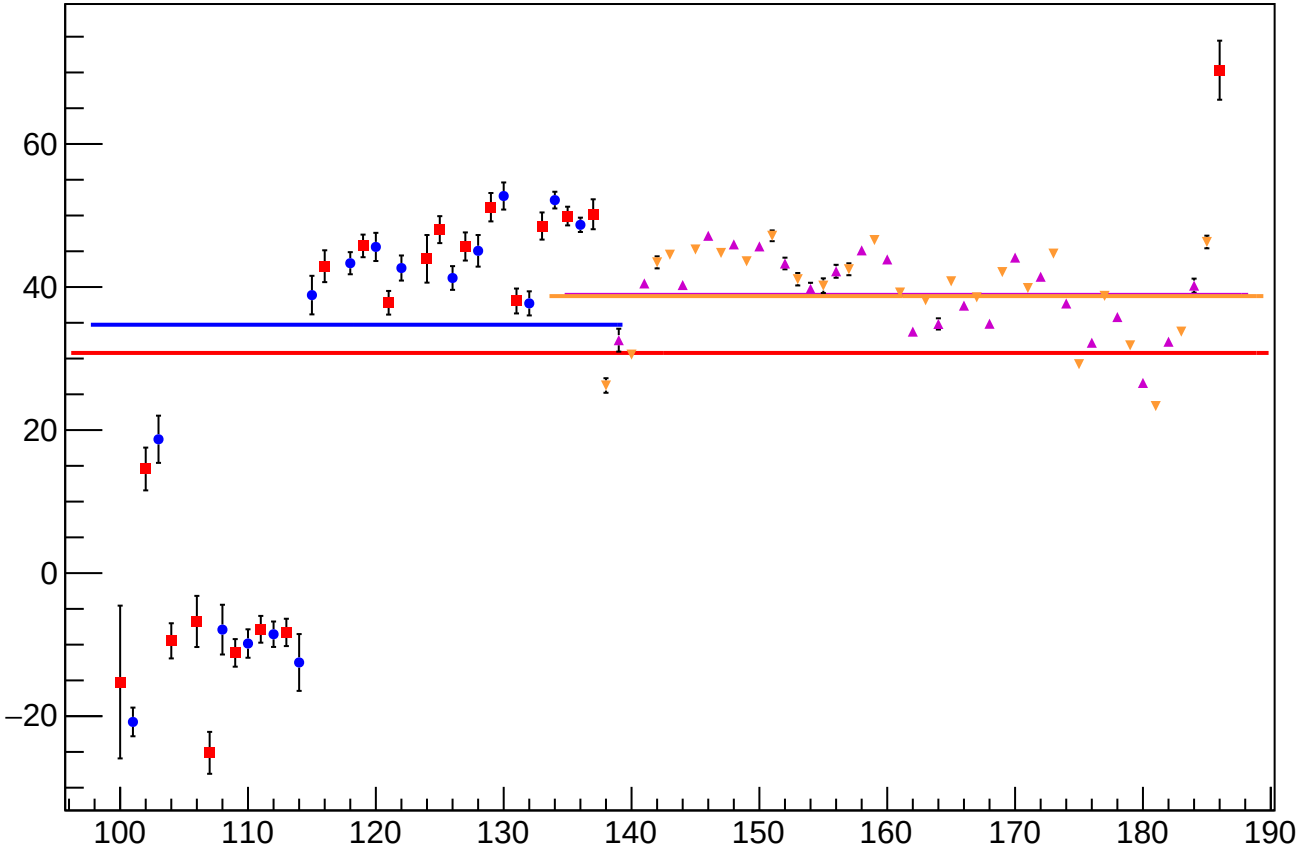
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -50.785+/-0.135 χ^2/NDF: 32072.2/40

All: -50.901+/-0.097 χ^2/NDF: 63095.9/83

- sign -51.023+/-0.138 χ^2/NDF: 31022.2/42

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.785+/-0.464 χ^2/NDF: 3004.1/19

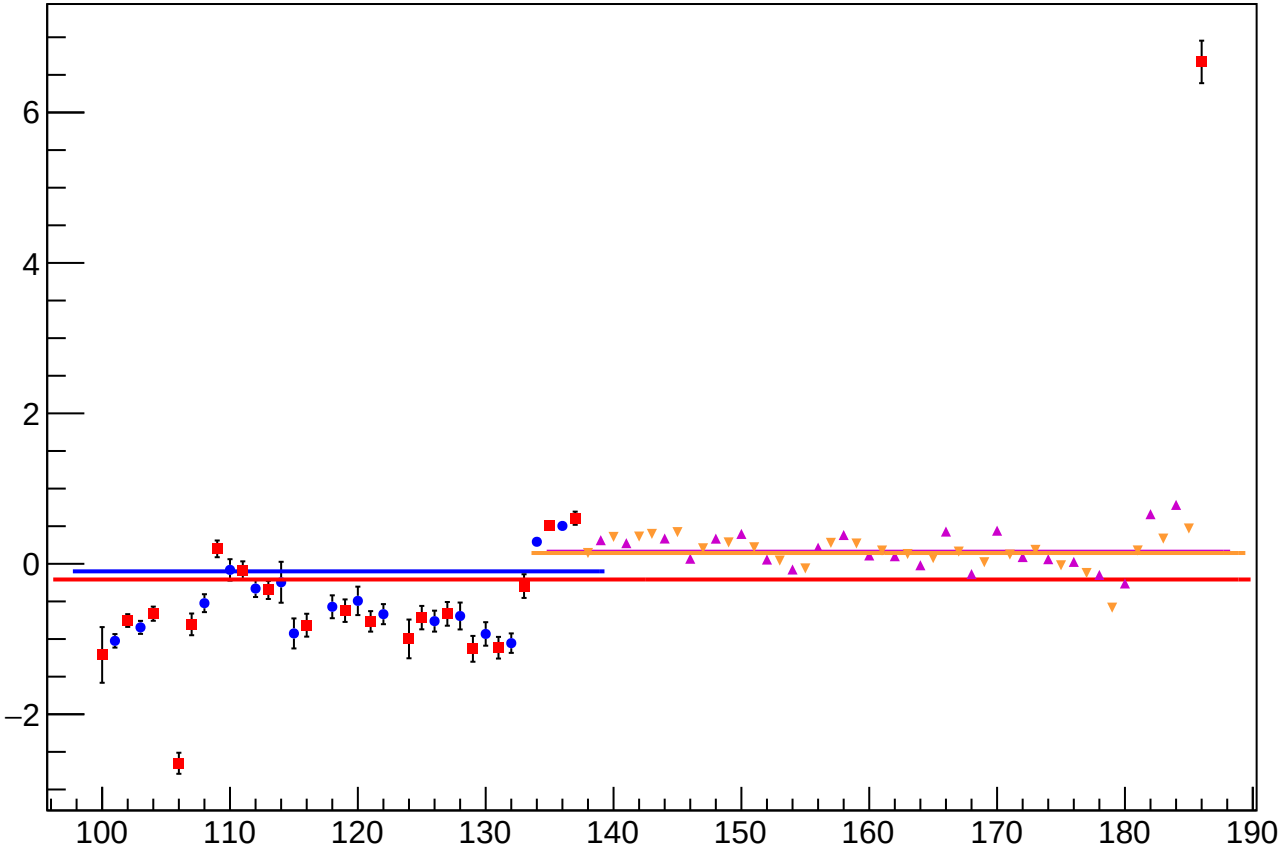
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.436+/-0.120 χ^2/NDF: 5666.8/40

All: 38.387+/-0.086 χ^2/NDF: 10927.4/83

- sign 38.336+/-0.123 χ^2/NDF: 5260.3/42

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

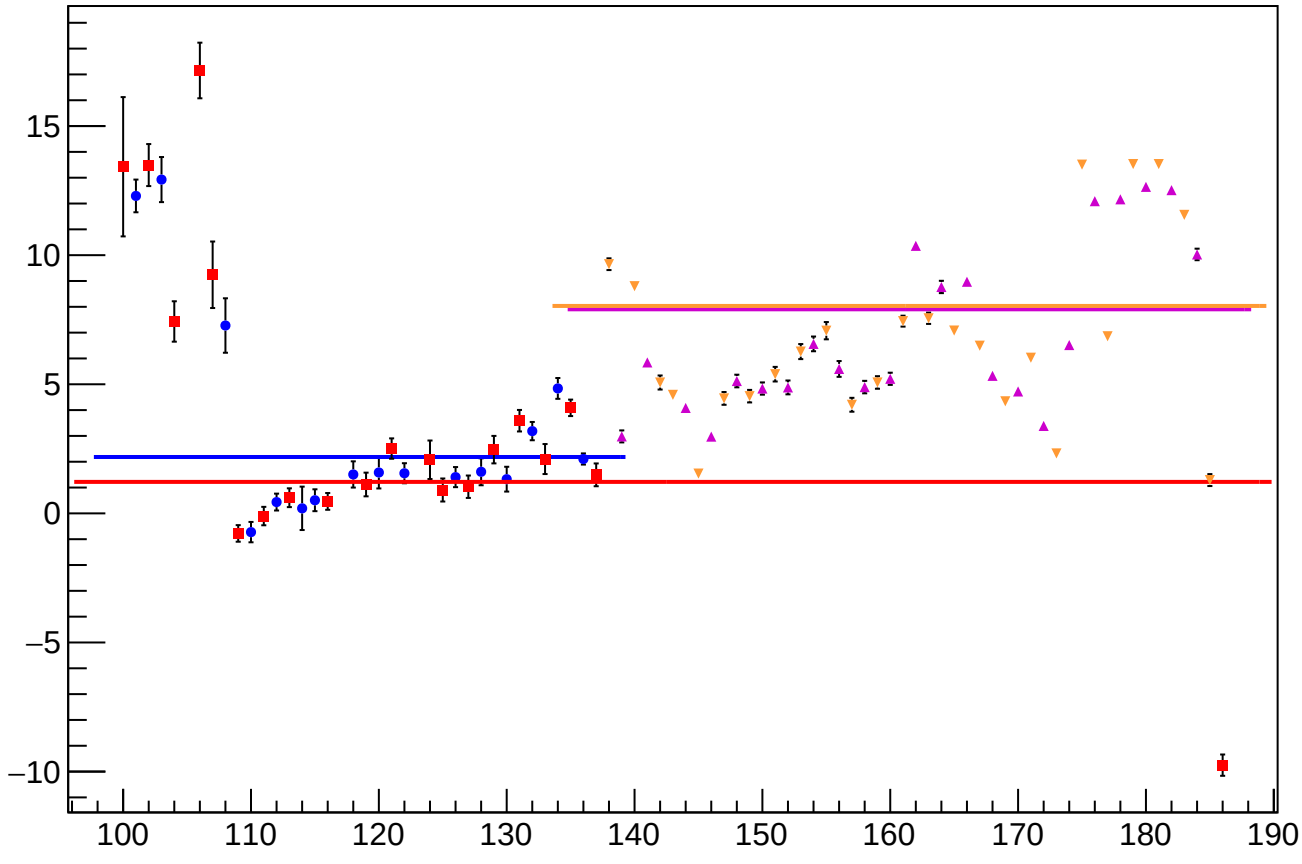
Right Out: -0.208+/-0.026 χ^2/NDF: 1420.8/19

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.131+/-0.005 χ^2/NDF: 2172.0/40

All: 0.138+/-0.004 χ^2/NDF: 5704.5/83

- sign 0.145+/-0.006 χ^2/NDF: 3529.4/42



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.219+/-0.102 χ^2/NDF: 1470.3/19

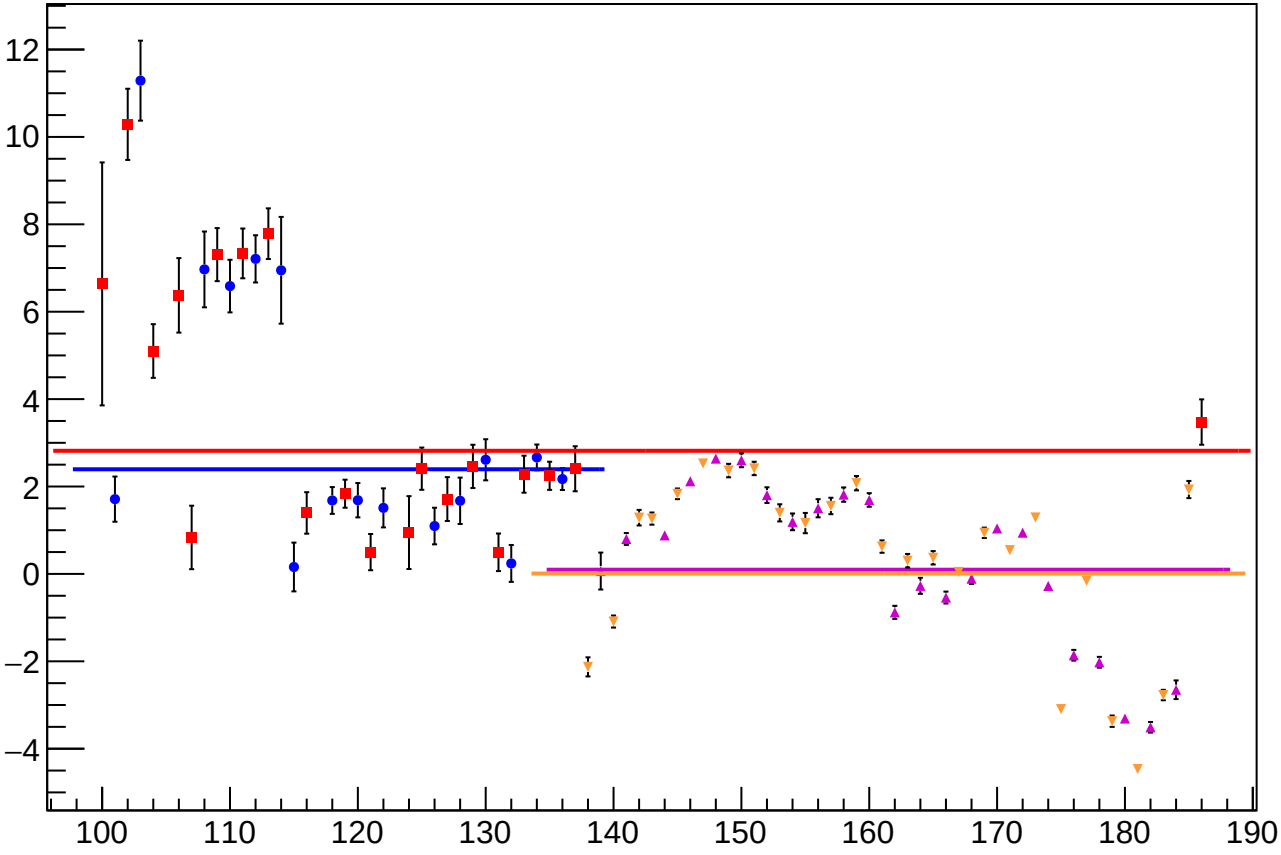
Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.457+/-0.033 χ^2/NDF: 17322.3/40

All: 7.318+/-0.024 χ^2/NDF: 32656.8/83

- sign 7.172+/-0.034 χ^2/NDF: 15298.1/42

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

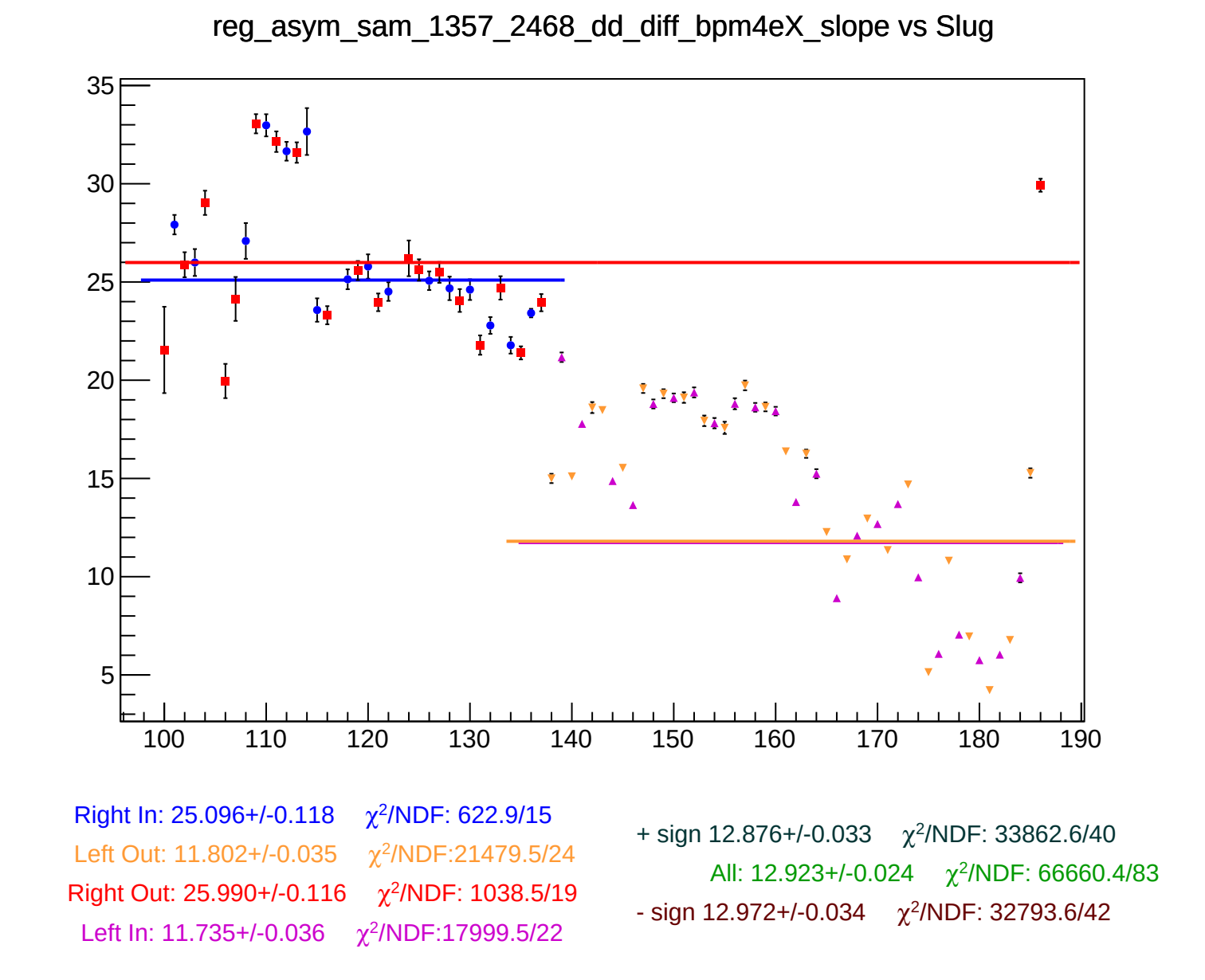
Right Out: 2.818+/-0.113 χ^2/NDF: 412.6/19

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.153+/-0.027 χ^2/NDF: 6550.7/40

All: 0.203+/-0.019 χ^2/NDF: 11948.9/83

- sign 0.255+/-0.027 χ^2/NDF: 5391.1/42


reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug
35
30
25
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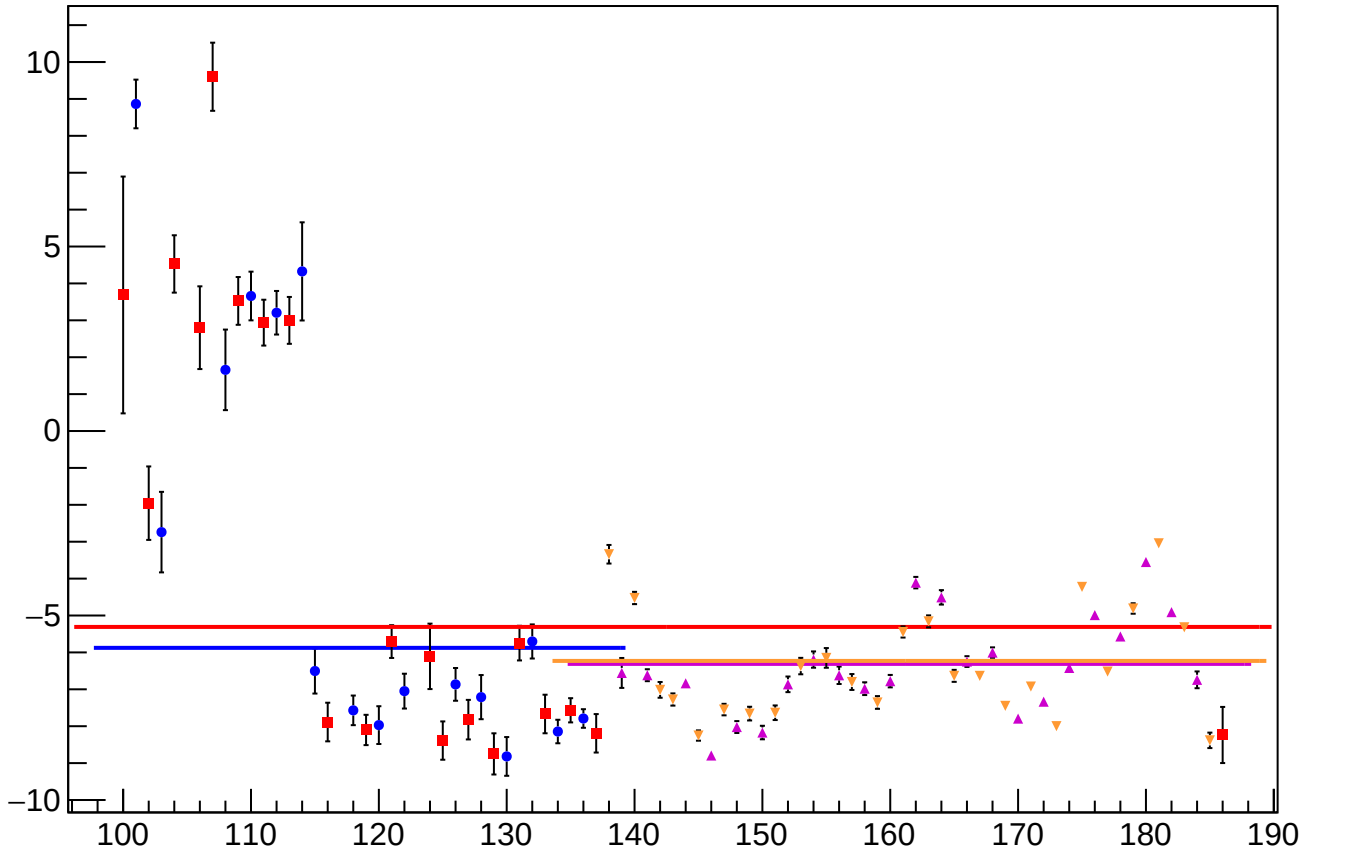
150
160
170
180
190
Right In: 25.096+/-0.118 χ²/NDF: 622.9/15
Left Out: 11.802+/-0.035 χ²/NDF:21479.5/24
Right Out: 25.990+/-0.116 χ²/NDF: 1038.5/19
Left In: 11.735+/-0.036 χ²/NDF:17999.5/22
+ sign 12.876+/-0.033 χ²/NDF: 33862.6/40
All: 12.923+/-0.024 χ²/NDF: 66660.4/83
- sign 12.972+/-0.034 χ²/NDF: 32793.6/42



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.309+/-0.128 χ^2/NDF: 1307.2/19

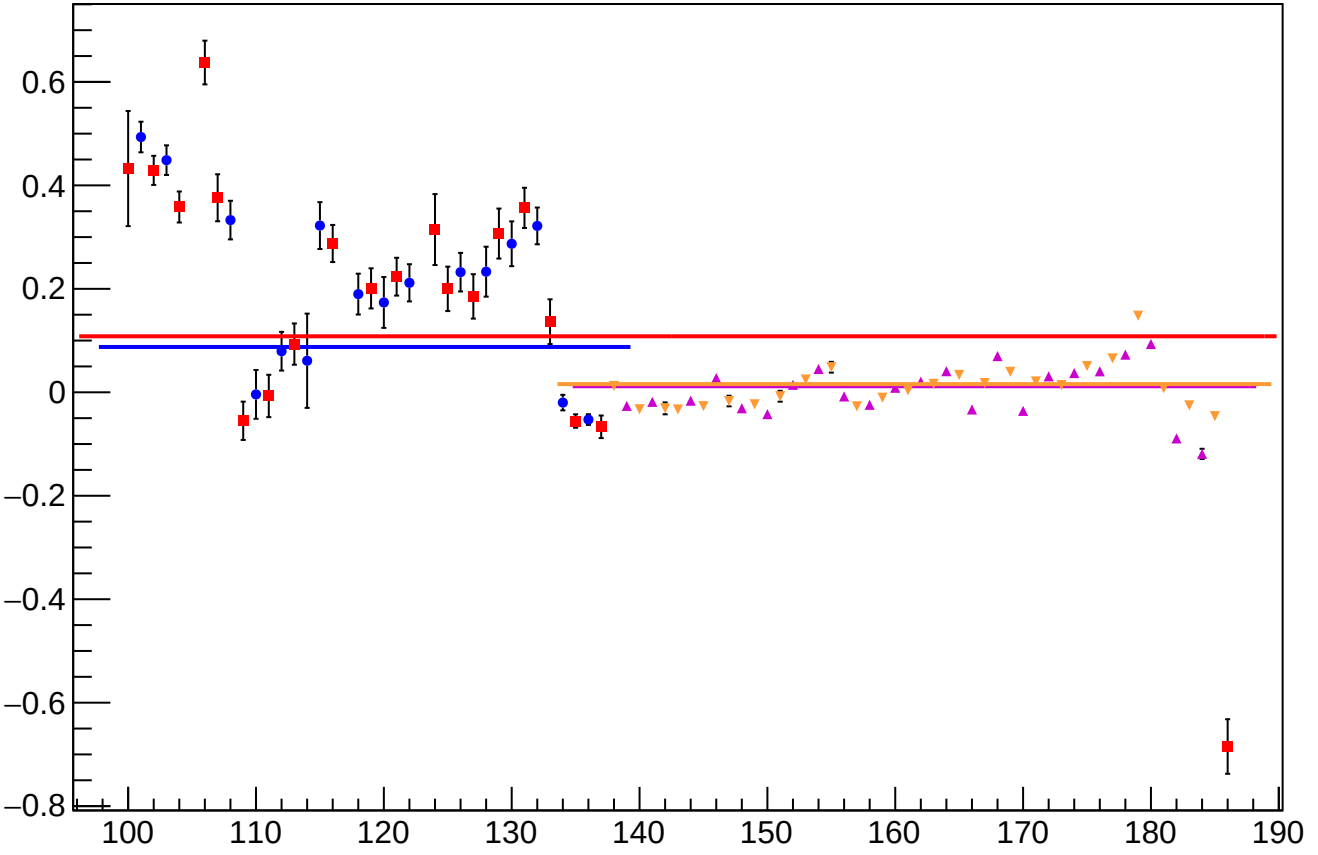
Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

\+ sign -6.209+/-0.030 χ^2/NDF: 3709.6/40

All: -6.231+/-0.021 χ^2/NDF: 7106.2/83

\- sign -6.254+/-0.031 χ^2/NDF: 3395.5/42

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.108+/-0.007 χ^2/NDF: 992.5/19

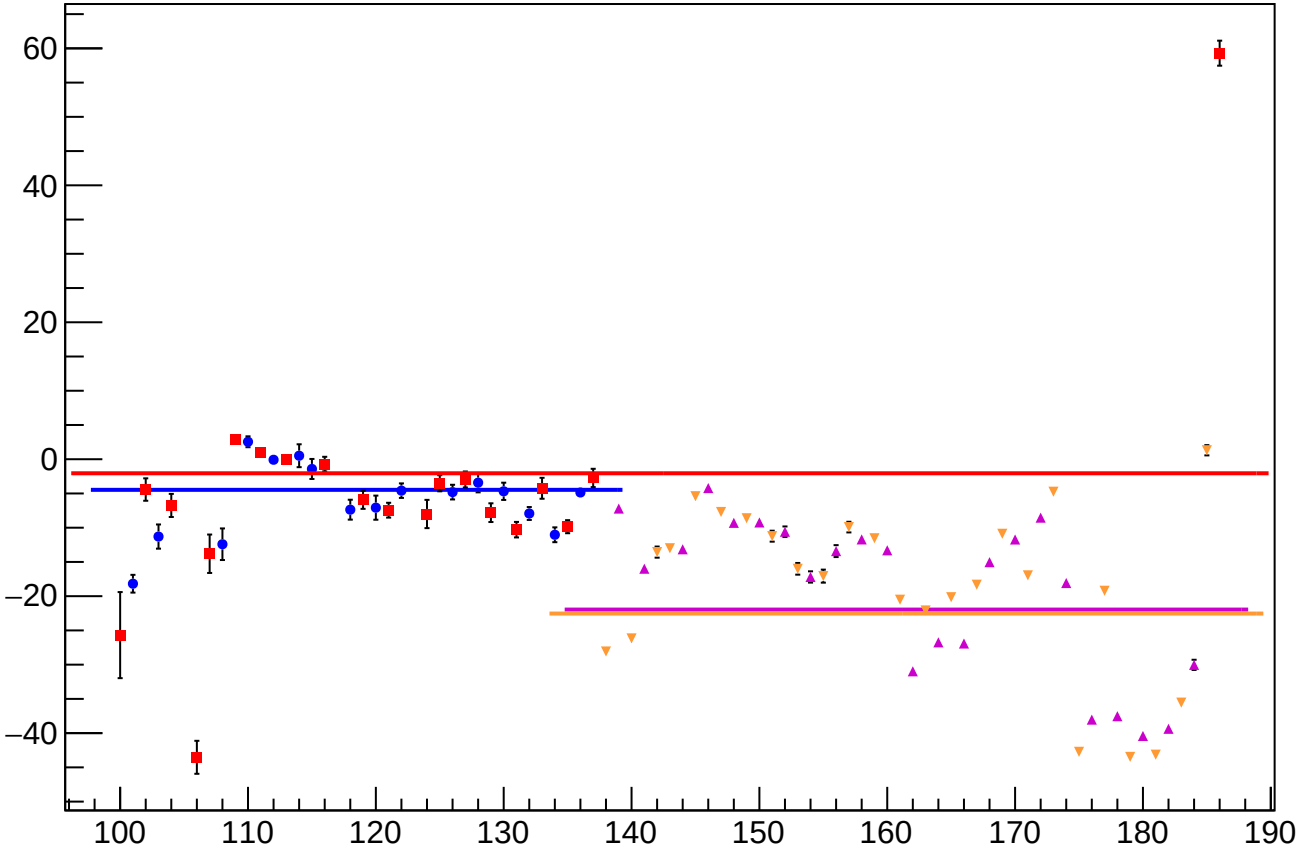
Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.019+/-0.001 χ^2/NDF: 1815.2/40

All: 0.017+/-0.001 χ^2/NDF: 4279.3/83

- sign 0.015+/-0.001 χ^2/NDF: 2460.6/42

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -2.051+/-0.258 χ^2/NDF: 1735.2/19

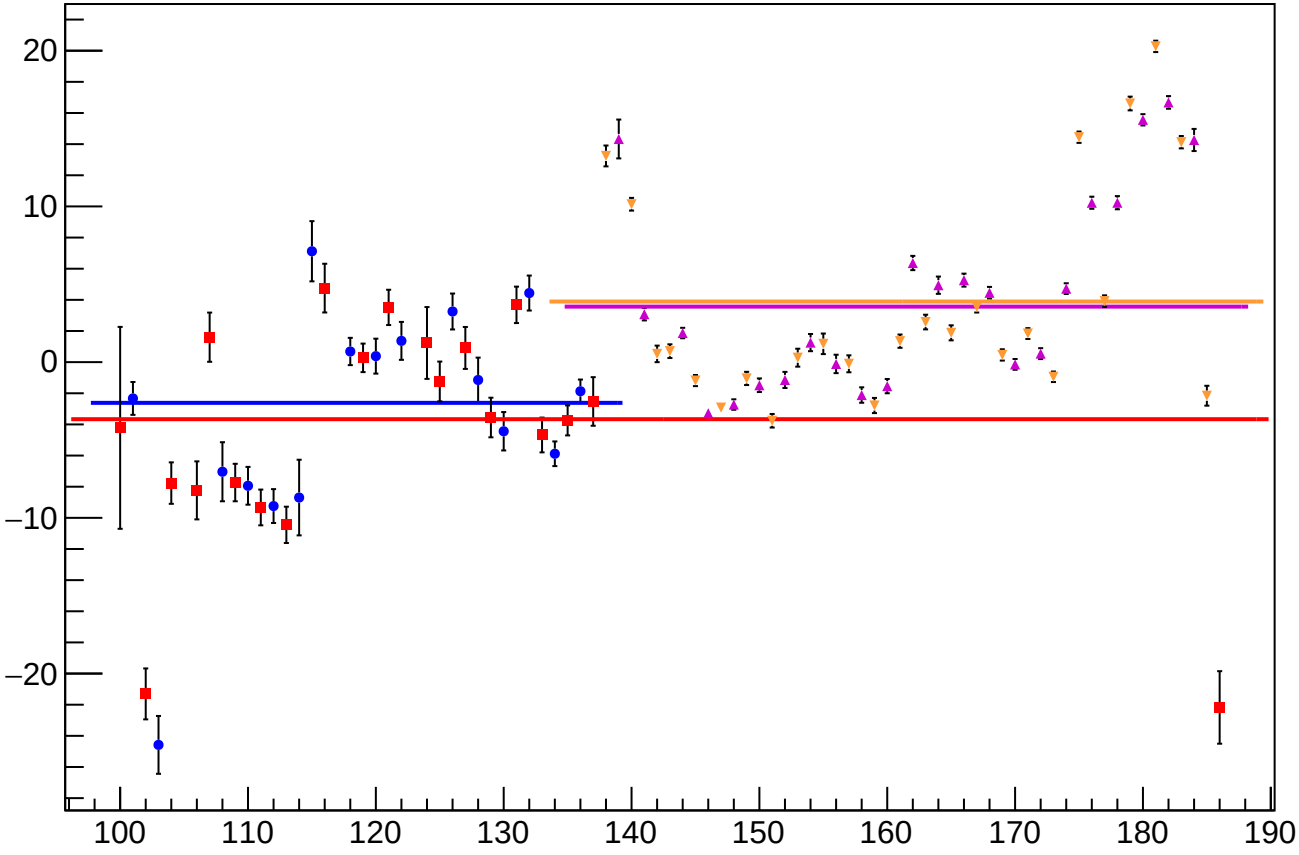
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -20.017+/-0.100 χ^2/NDF: 20770.5/40

All: -19.441+/-0.072 χ^2/NDF: 40171.6/83

- sign -18.844+/-0.102 χ^2/NDF: 19334.0/42

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

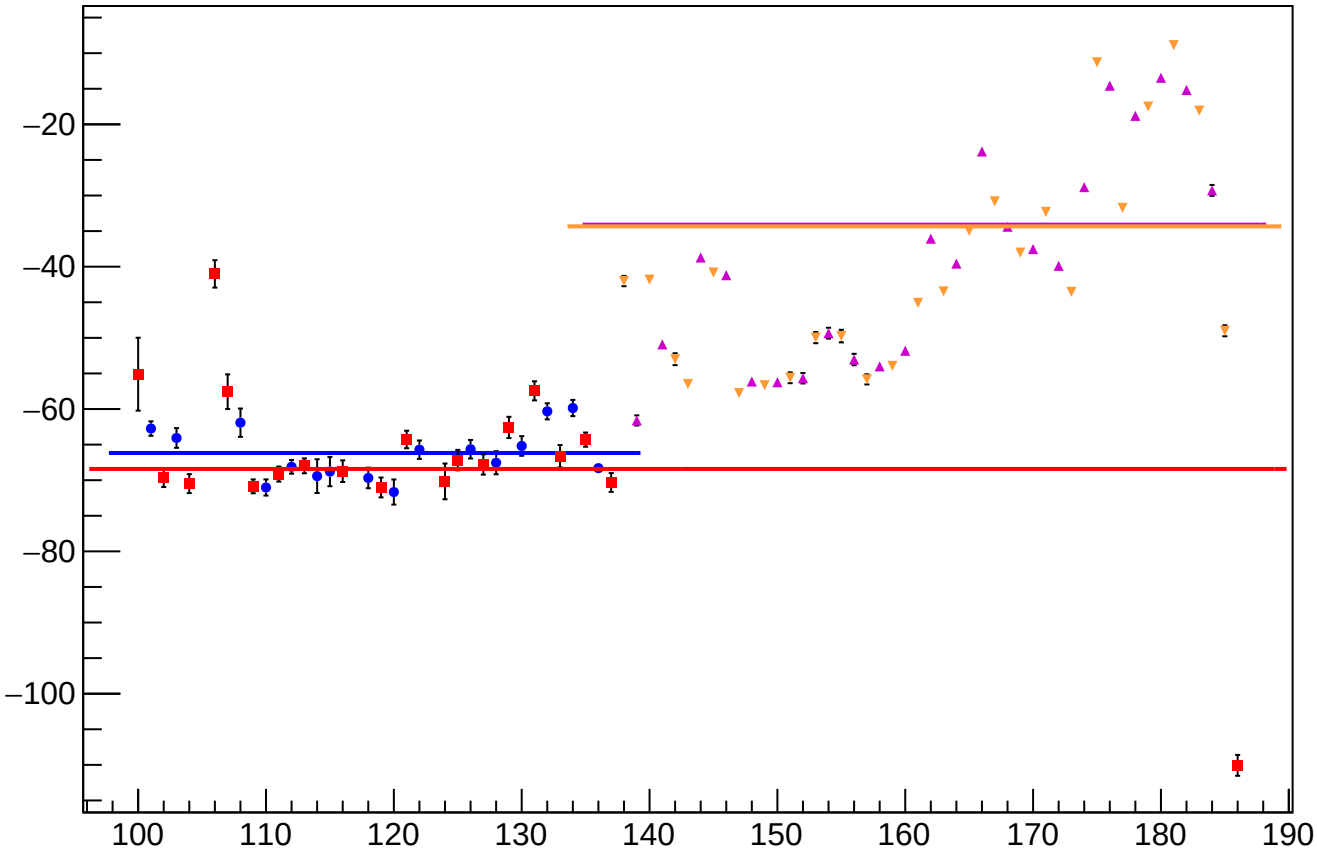
Right Out: -3.664+/-0.296 χ^2/NDF: 423.8/19

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.371+/-0.081 χ^2/NDF: 7553.0/40

All: 3.190+/-0.058 χ^2/NDF: 13275.2/83

- sign 3.002+/-0.083 χ^2/NDF: 5712.0/42



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -68.418+/-0.306 χ^2/NDF: 1165.3/19

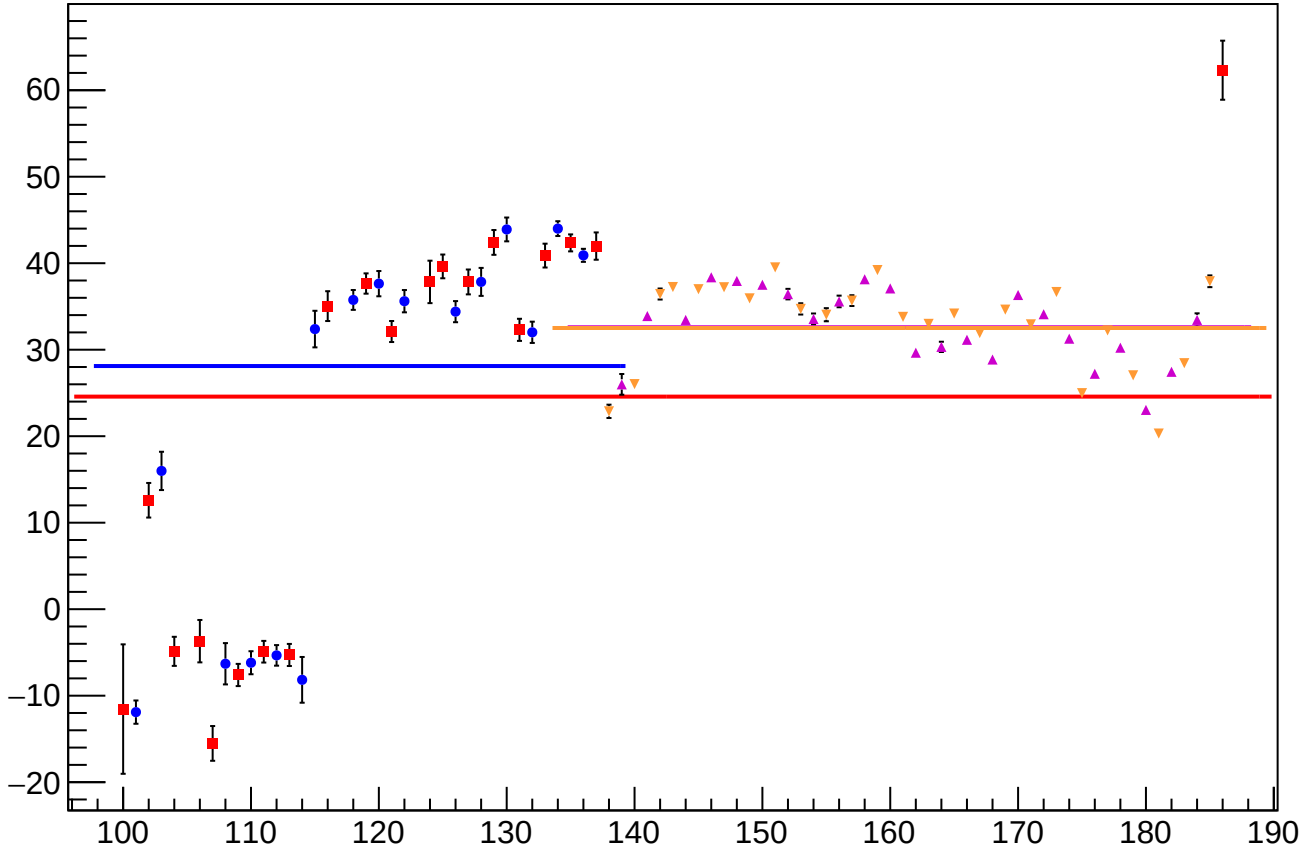
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -37.912+/-0.102 χ^2/NDF: 31048.0/40

All: -37.998+/-0.073 χ^2/NDF: 61088.4/83

- sign -38.088+/-0.104 χ^2/NDF: 30039.0/42

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.577+/-0.334 χ^2/NDF: 3965.0/19

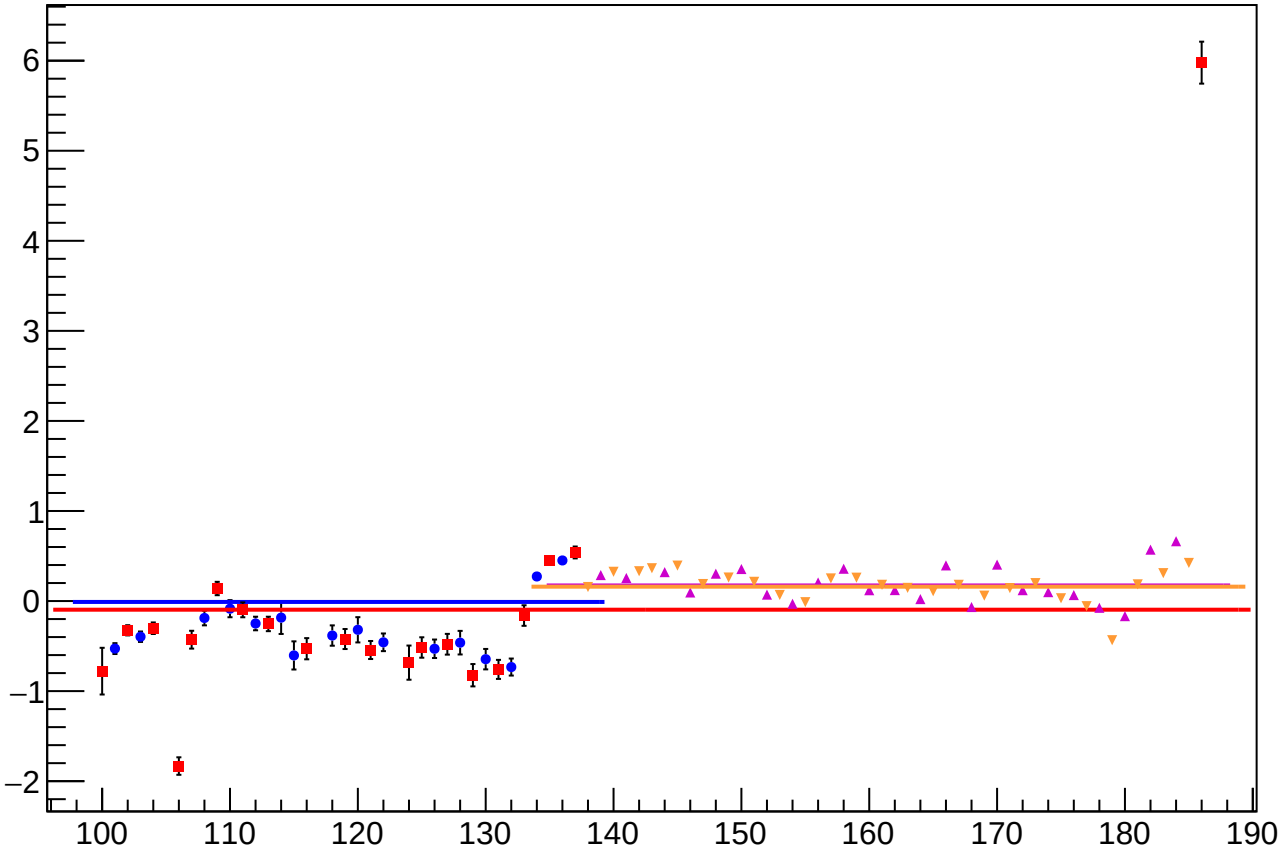
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.158+/-0.091 χ^2/NDF: 6839.5/40

All: 32.070+/-0.065 χ^2/NDF: 13351.5/83

- sign 31.977+/-0.093 χ^2/NDF: 6510.1/42

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.096+/-0.019 χ^2/NDF: 1502.6/19

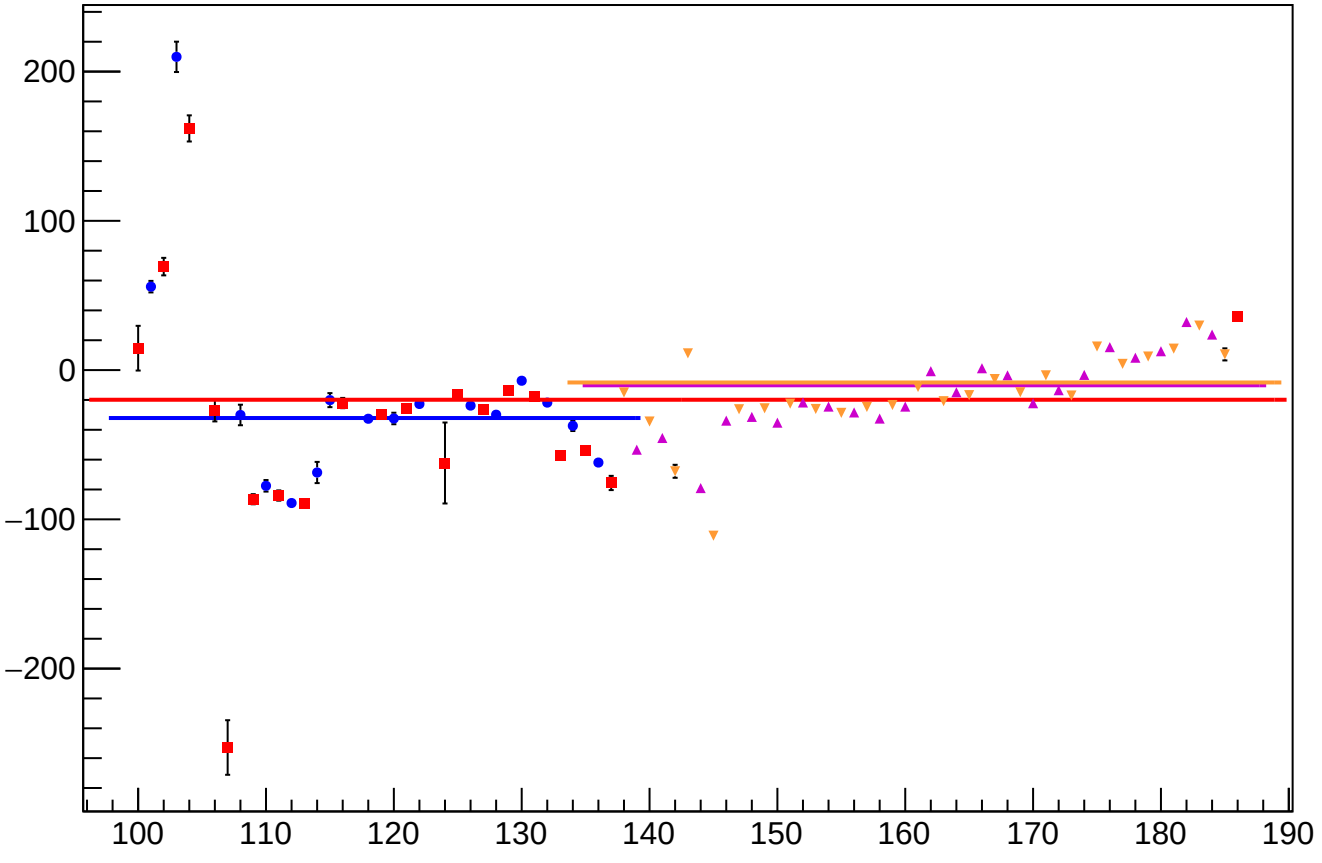
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

\+ sign 0.150+/-0.004 χ^2/NDF: 2290.8/40

All: 0.155+/-0.003 χ^2/NDF: 6121.2/83

\- sign 0.160+/-0.004 χ^2/NDF: 3827.8/42

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -19.872+/-0.749 χ^2/NDF: 3826.7/19

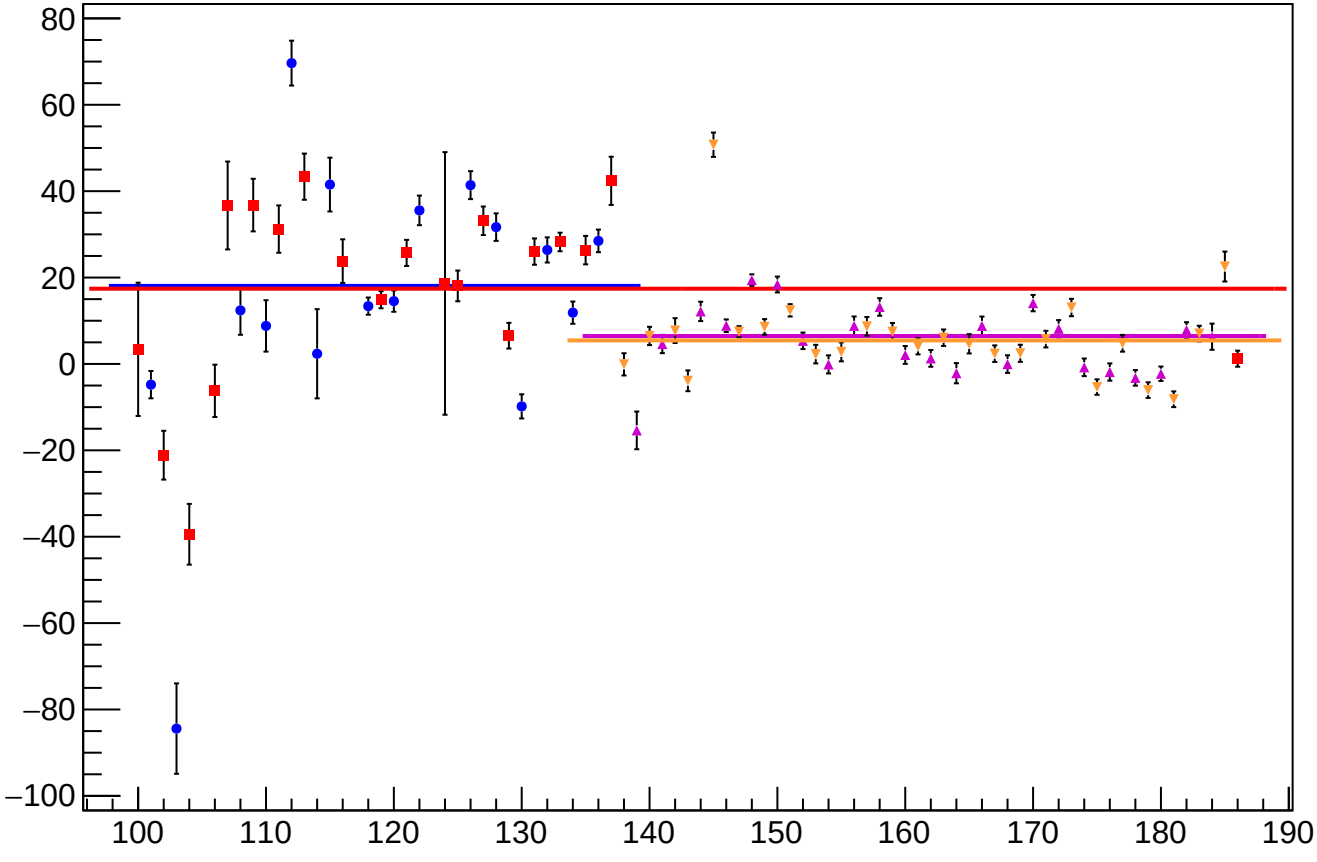
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -14.750+/-0.439 χ^2/NDF: 5019.6/40

All: -14.055+/-0.307 χ^2/NDF: 11481.7/83

- sign -13.385+/-0.431 χ^2/NDF: 6457.2/42

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 17.416+/-0.787 χ^2/NDF: 355.4/19

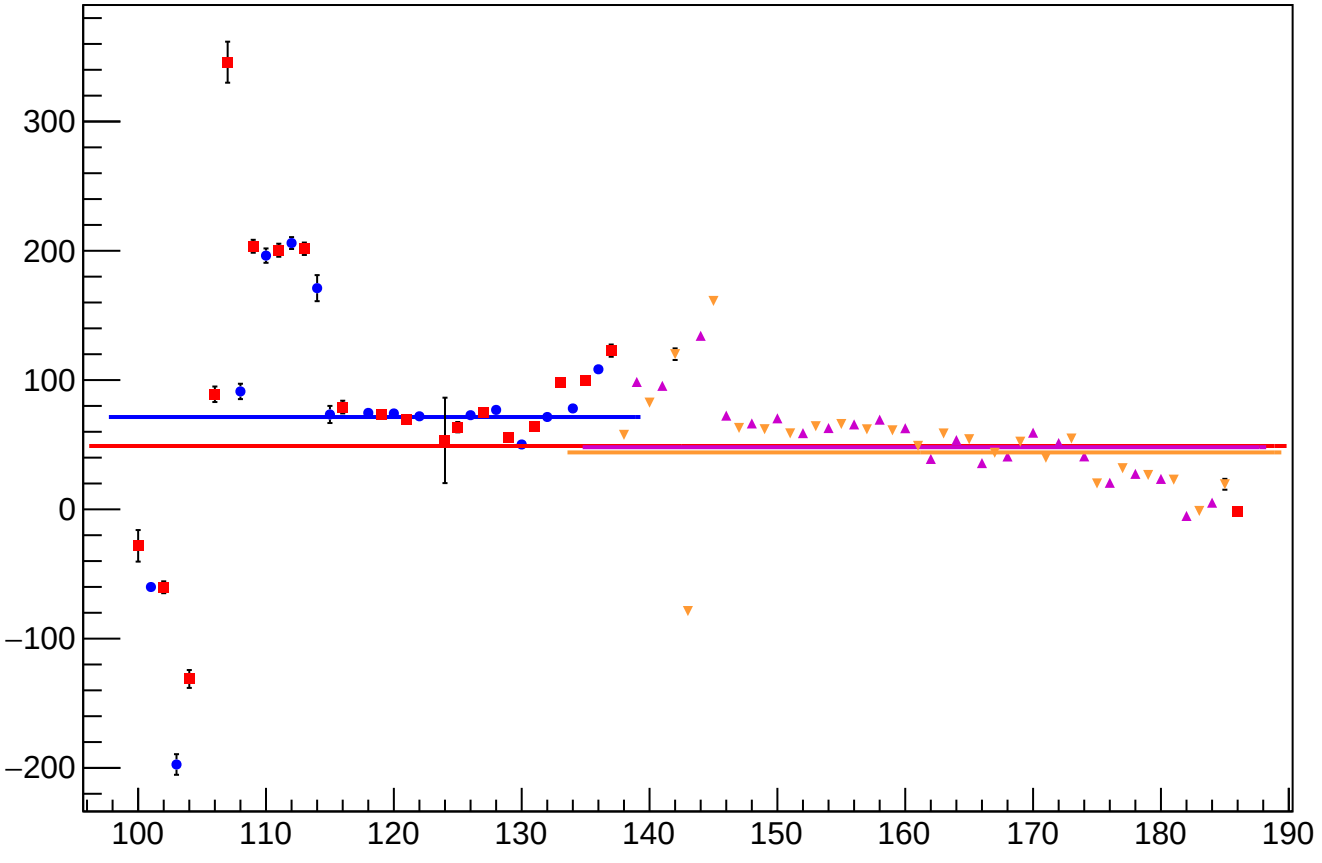
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 7.800+/-0.355 χ^2/NDF: 1184.8/40

All: 8.282+/-0.254 χ^2/NDF: 2032.7/83

- sign 8.783+/-0.362 χ^2/NDF: 844.2/42

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 49.005+/-0.761 χ^2/NDF: 7317.6/19

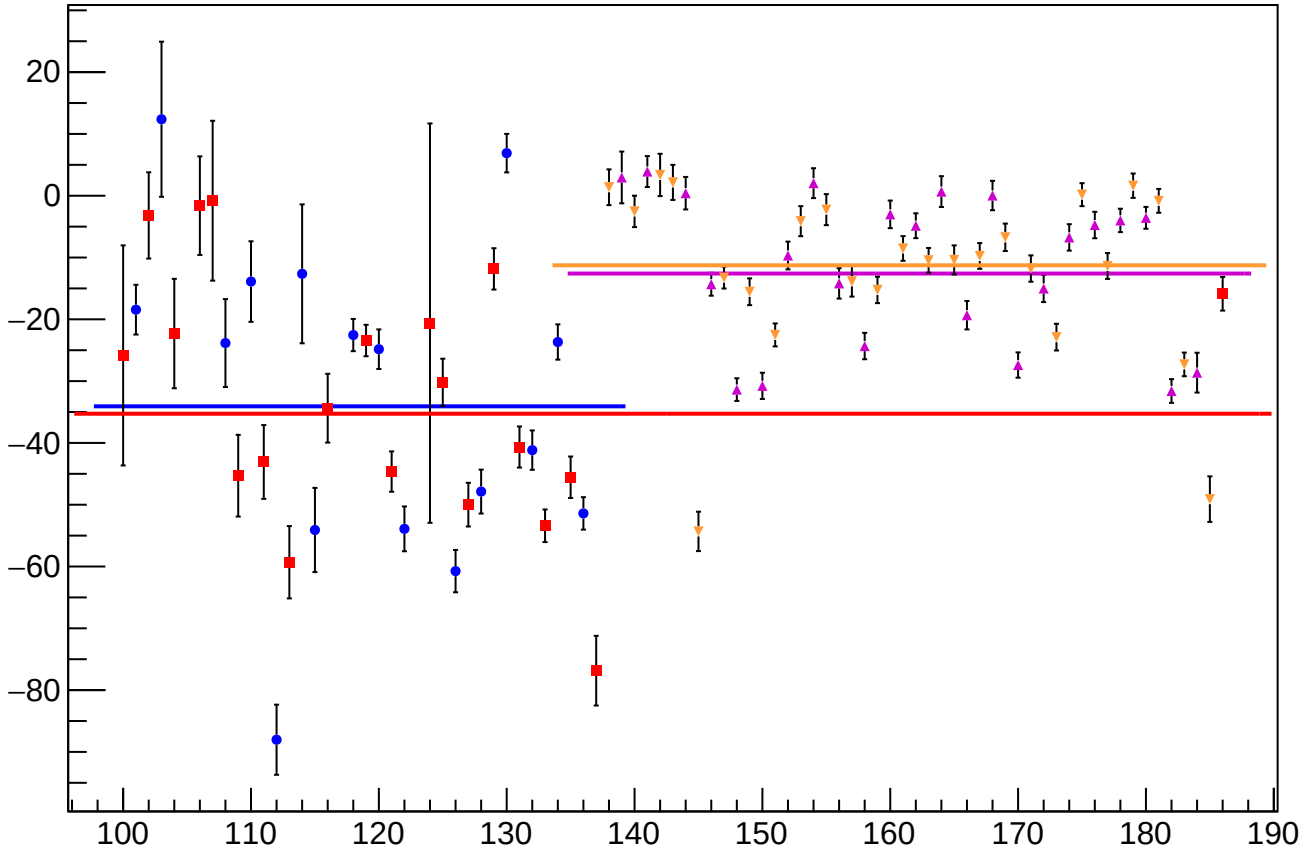
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 50.356+/-0.447 χ^2/NDF: 10048.6/40

All: 49.326+/-0.310 χ^2/NDF: 20753.9/83

- sign 48.373+/-0.430 χ^2/NDF: 10695.1/42

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -35.275+/-0.934 χ^2/NDF: 332.1/19

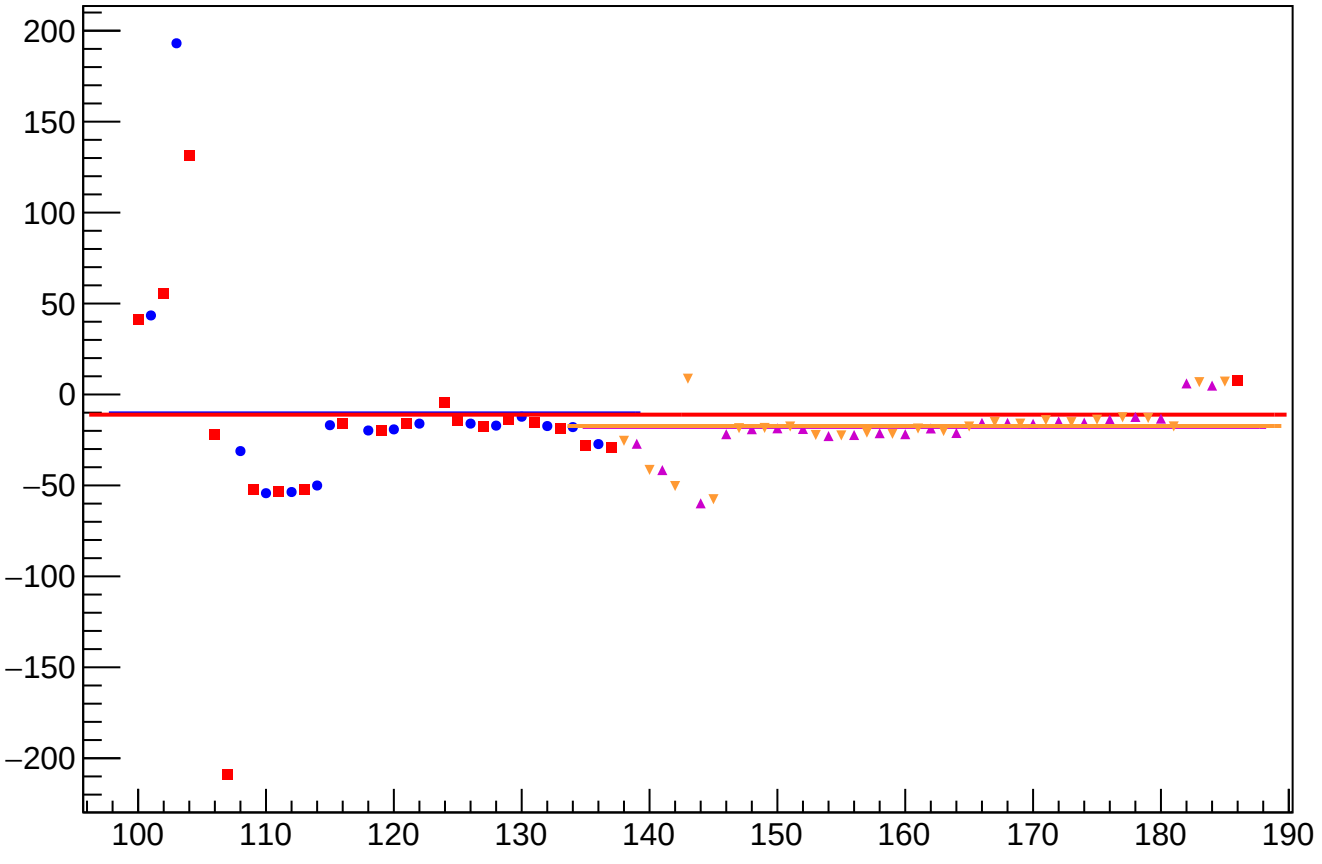
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -15.420+/-0.402 χ^2/NDF: 1634.0/40

All: -16.192+/-0.288 χ^2/NDF: 3121.0/83

- sign -17.002+/-0.412 χ^2/NDF: 1479.4/42

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -11.094+/-0.060 χ^2/NDF: 460212.2/19

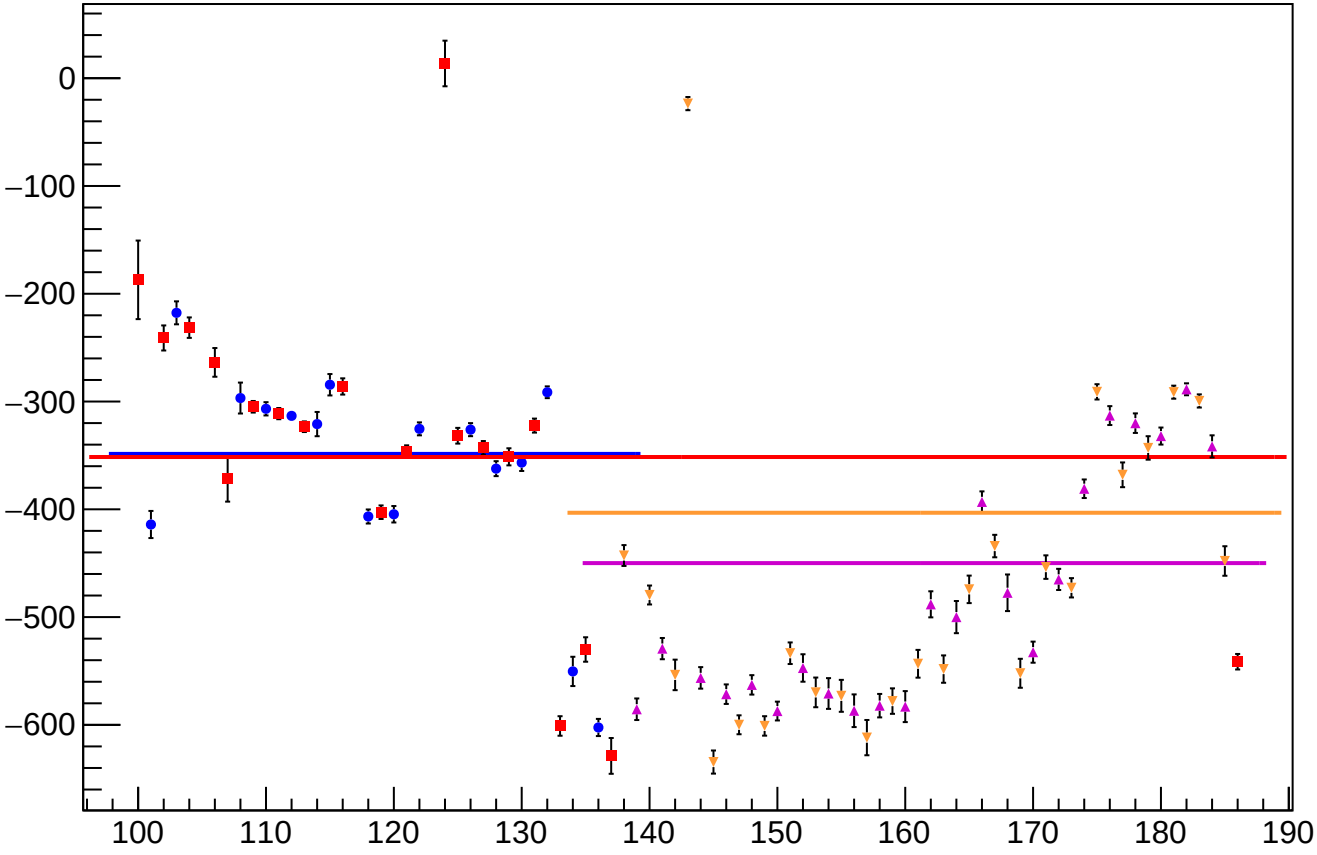
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -16.568+/-0.019 χ^2/NDF: 883365.9/40

All: -16.843+/-0.013 χ^2/NDF: 1622885.5/83

- sign -17.130+/-0.019 χ^2/NDF: 739084.1/42

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -351.476+/-1.709 χ^2/NDF: 2933.9/19

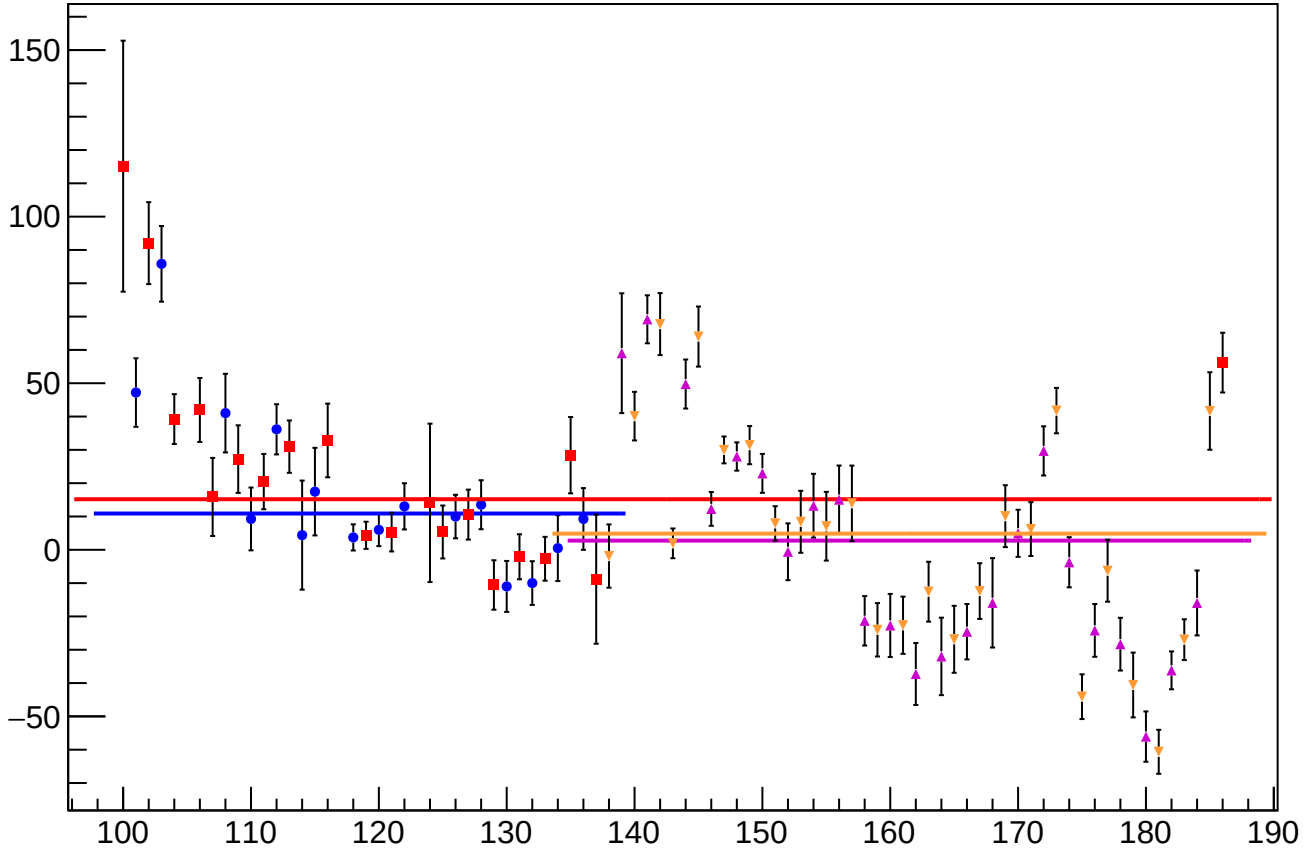
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -374.394+/-1.325 χ^2/NDF: 10031.8/40

All: -383.291+/-0.932 χ^2/NDF: 17639.4/83

- sign -392.000+/-1.311 χ^2/NDF: 7518.4/42

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 15.180+/-1.816 χ^2/NDF: 134.2/19

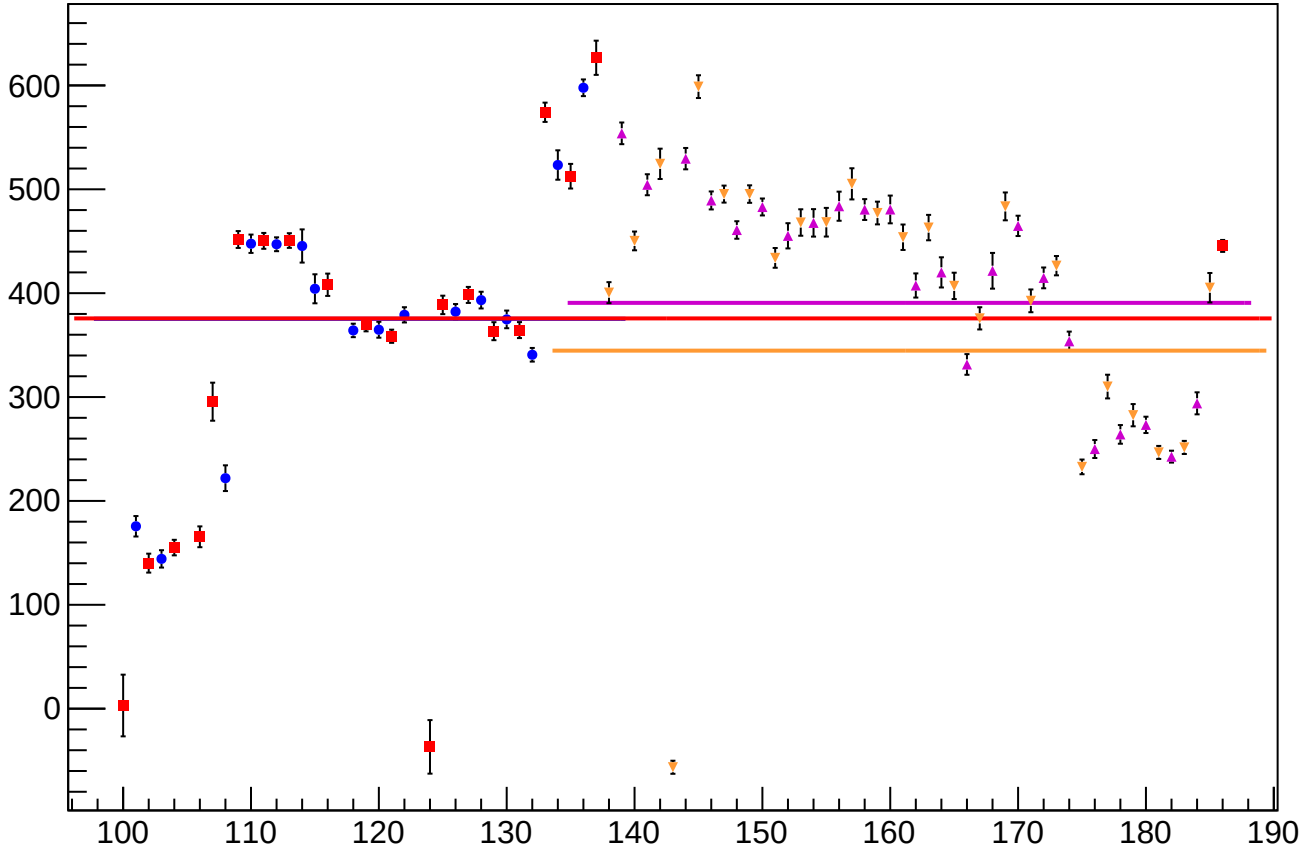
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

\+ sign 7.158+/-1.138 χ^2/NDF: 562.0/40

All: 7.568+/-0.819 χ^2/NDF: 1123.2/83

\- sign 8.009+/-1.181 χ^2/NDF: 560.8/42

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 375.700+/-1.930 χ^2/NDF: 3707.3/19

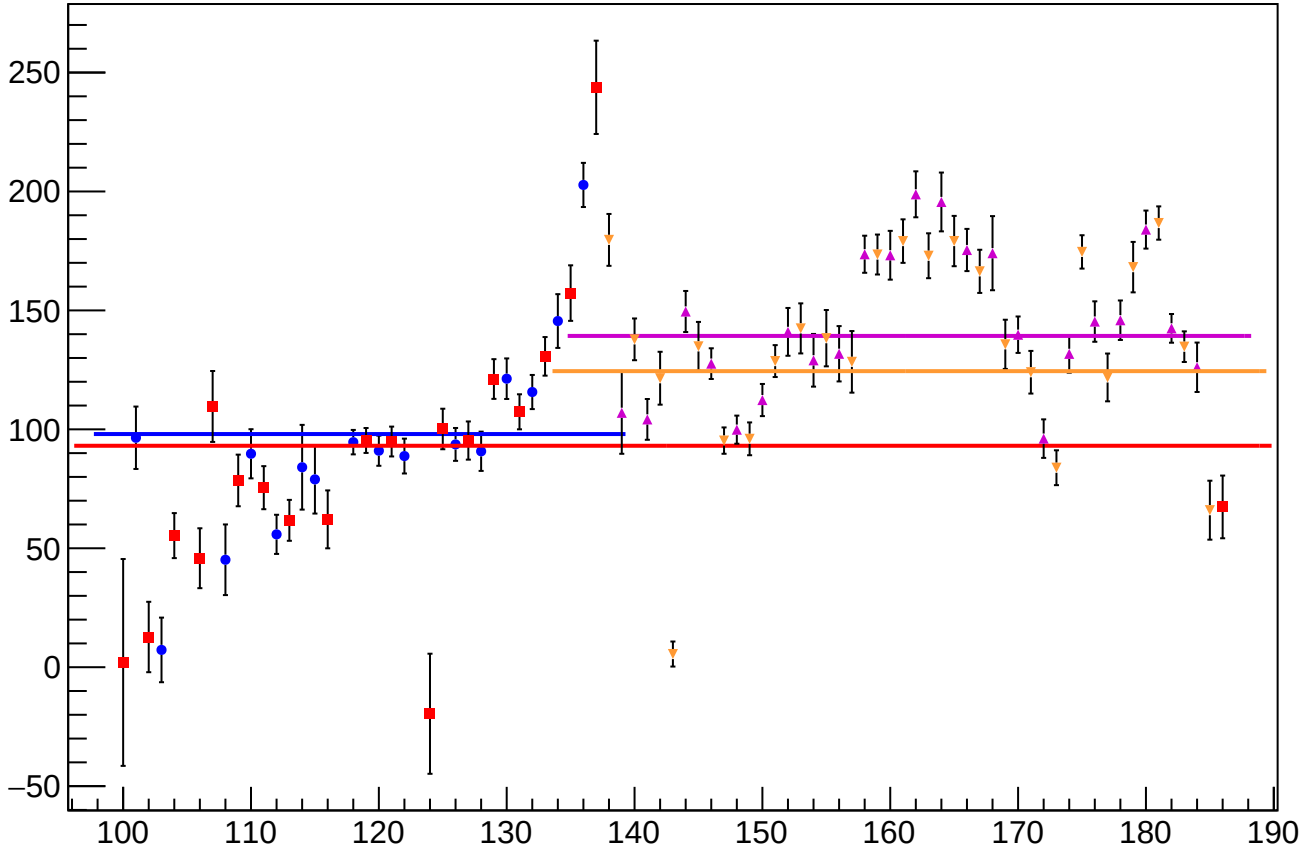
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 358.643+/-1.420 χ^2/NDF: 9843.2/40

All: 370.906+/-0.996 χ^2/NDF: 16398.9/83

- sign 382.812+/-1.399 χ^2/NDF: 6408.6/42

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 93.095+/-2.111 χ^2/NDF: 241.0/19

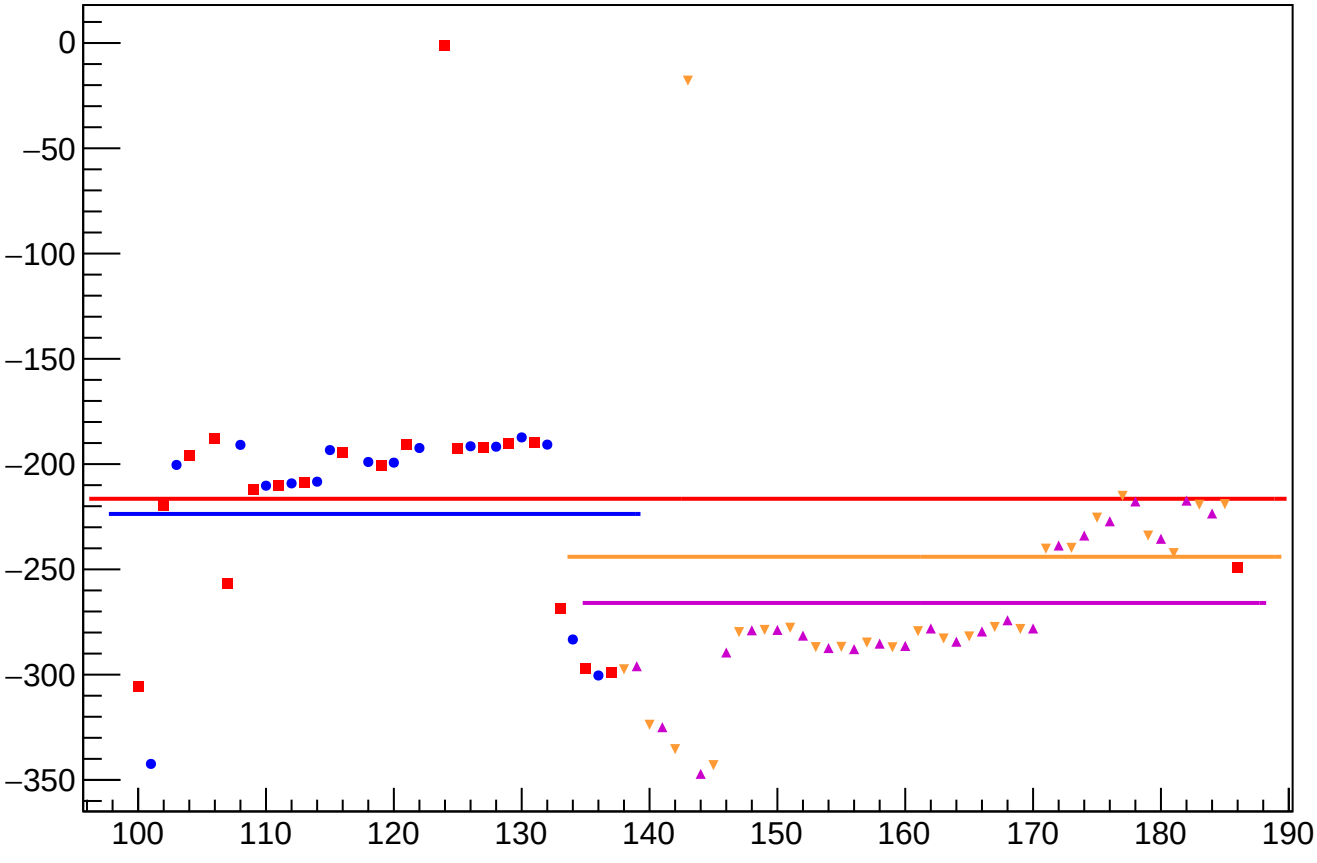
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 114.542+/-1.314 χ^2/NDF: 1282.1/40

All: 117.289+/-0.943 χ^2/NDF: 2074.1/83

- sign 120.217+/-1.356 χ^2/NDF: 783.0/42

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -216.470+/-0.133 χ^2/NDF: 82755.7/19

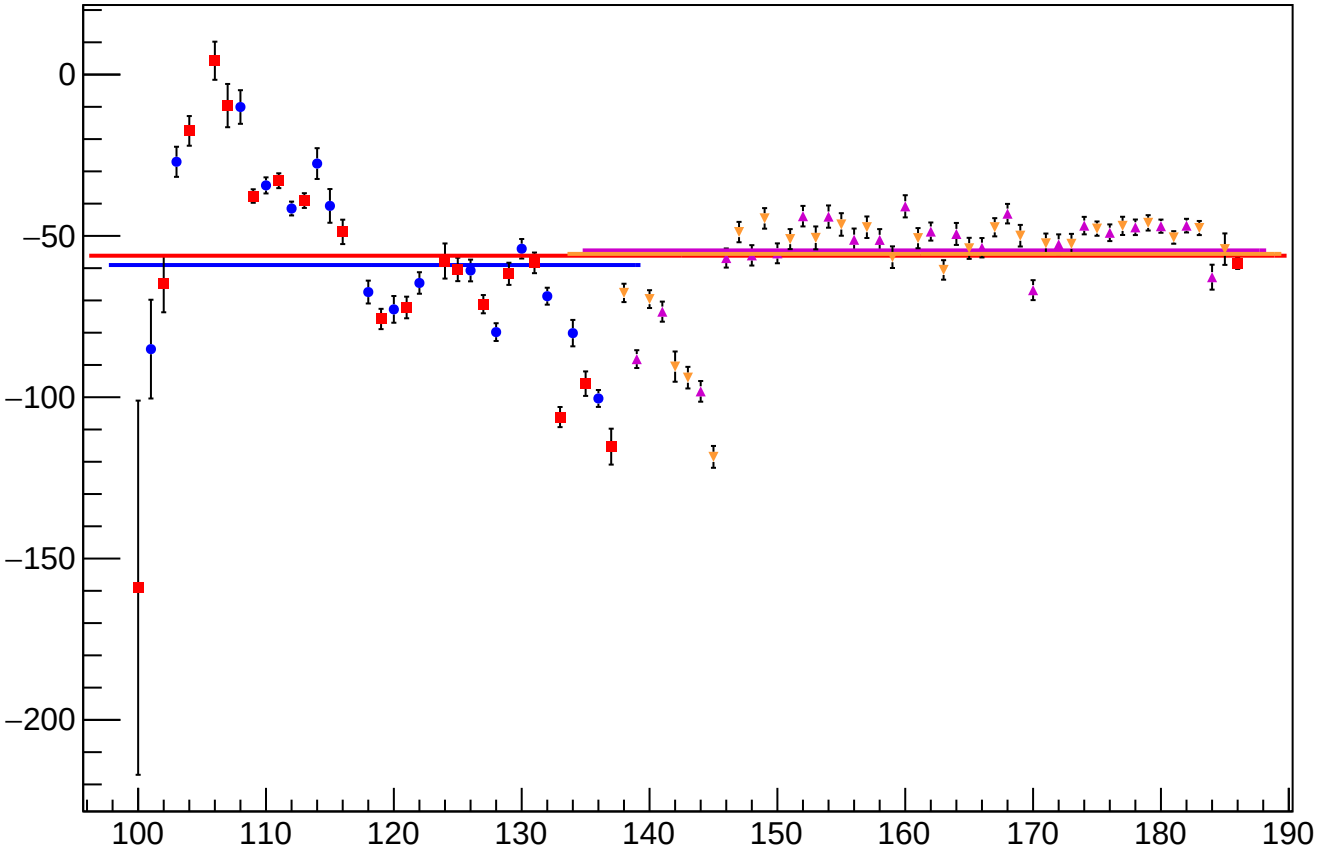
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -239.172+/-0.067 χ^2/NDF: 1135992.0/40

All: -245.785+/-0.048 χ^2/NDF: 1509638.7/83

- sign -252.669+/-0.069 χ^2/NDF: 354052.0/42

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -56.141+/-0.723 χ^2/NDF: 1043.1/19

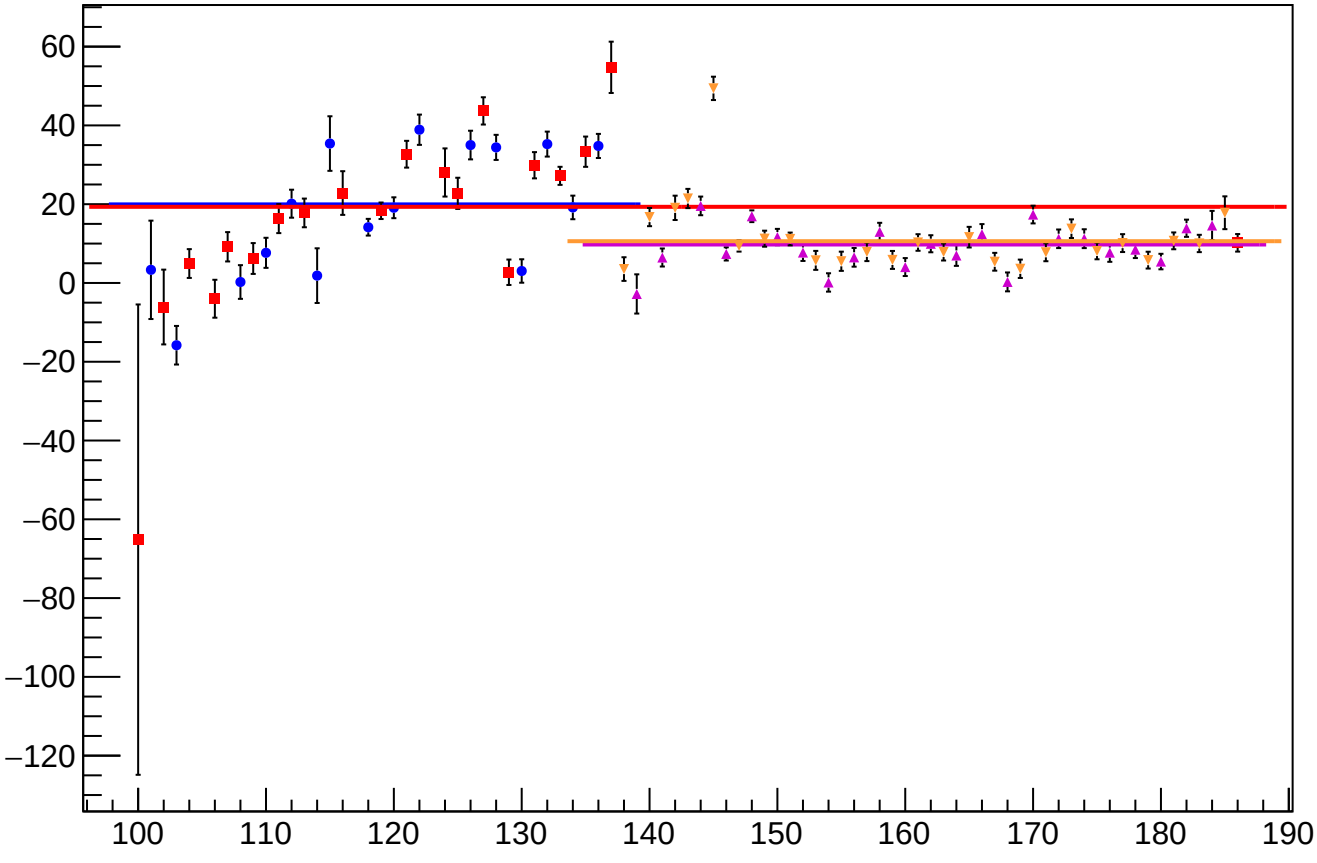
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

+ sign -56.736+/-0.481 χ^2/NDF: 1425.3/40

All: -55.930+/-0.334 χ^2/NDF: 2977.2/83

- sign -55.177+/-0.465 χ^2/NDF: 1546.5/42

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 19.332+/-0.789 χ^2/NDF: 244.0/19

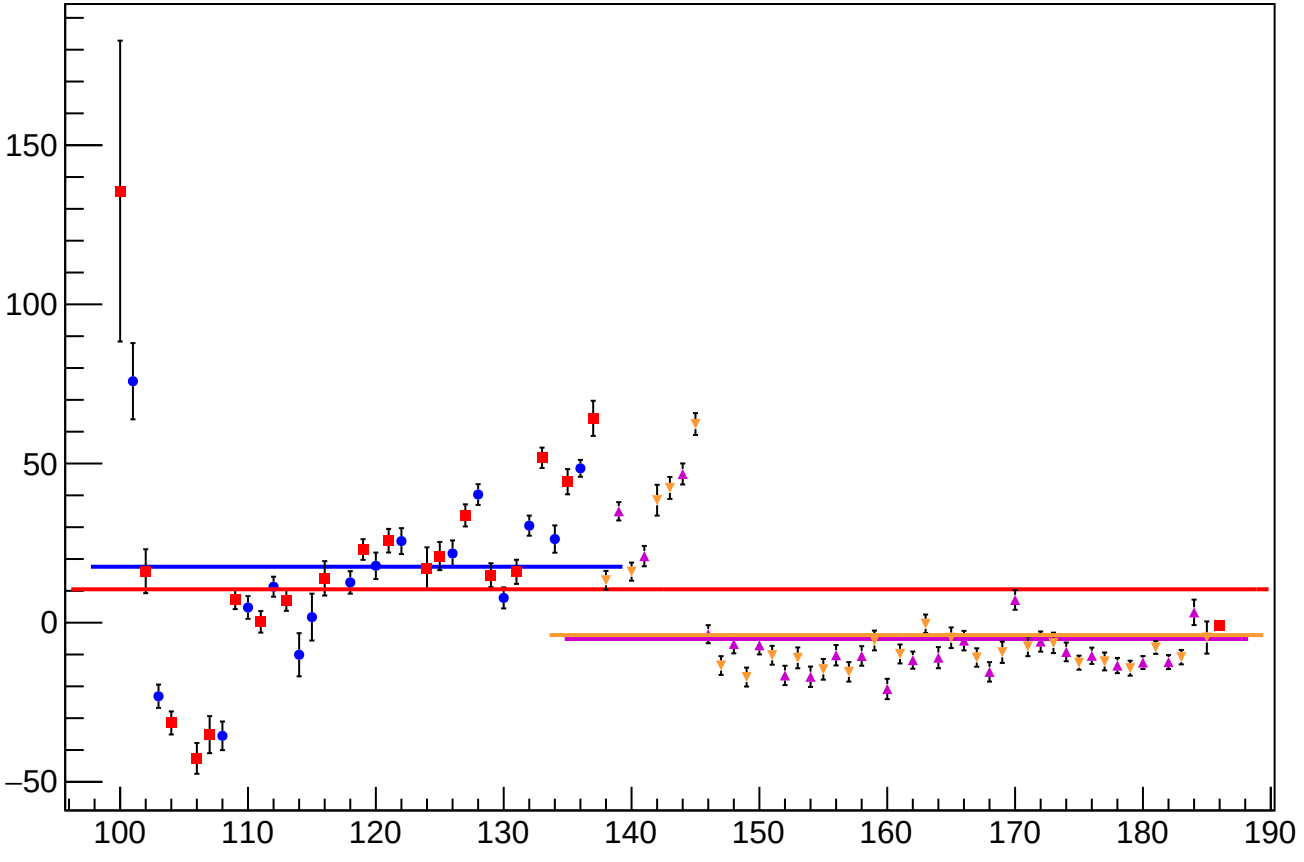
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.580+/-0.399 χ^2/NDF: 593.8/40

All: 12.414+/-0.283 χ^2/NDF: 1068.0/83

- sign 12.246+/-0.402 χ^2/NDF: 473.9/42

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 10.488+/-0.784 χ^2/NDF: 819.1/19

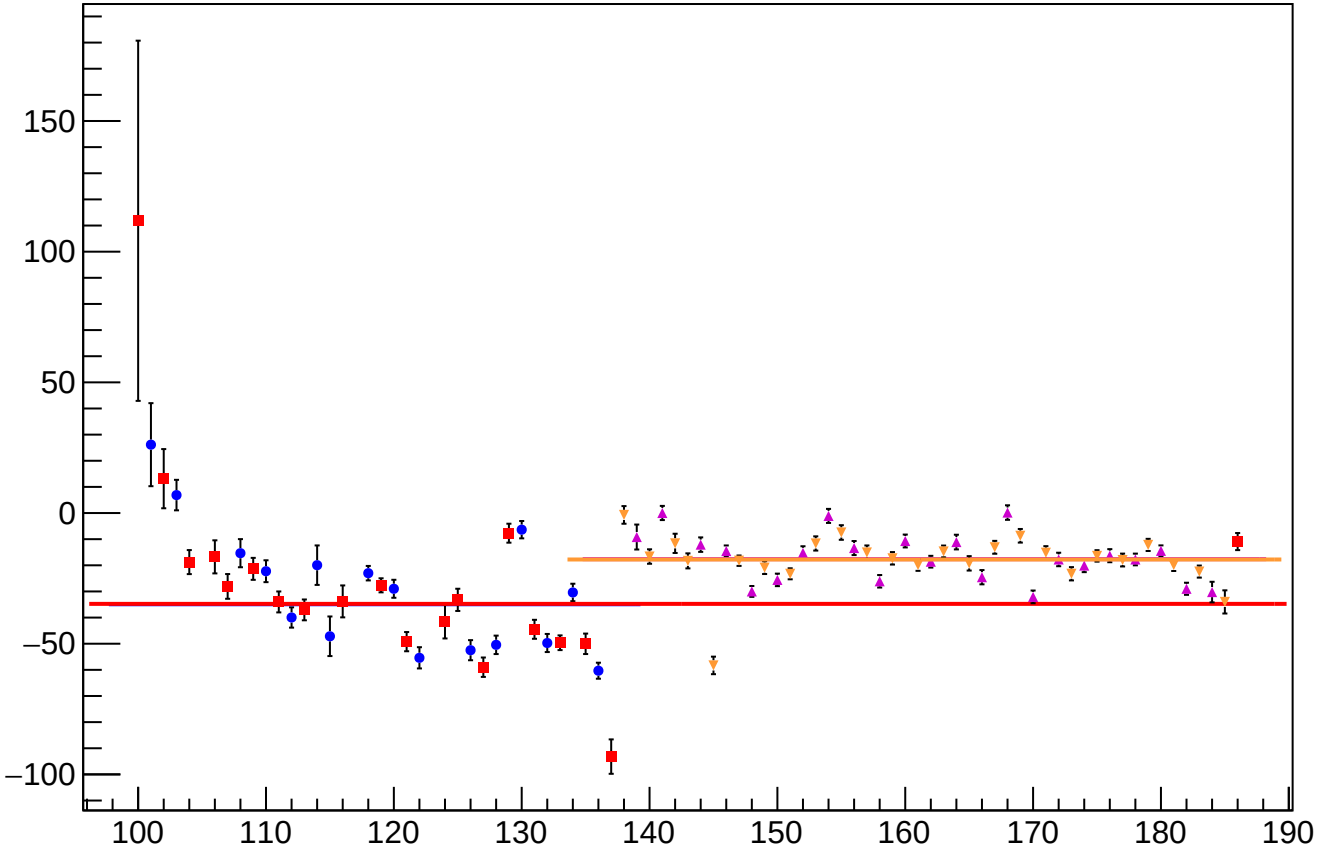
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

\+ sign 1.950+/-0.499 χ^2/NDF: 1762.9/40

All: 1.265+/-0.345 χ^2/NDF: 3485.6/83

\- sign 0.641+/-0.476 χ^2/NDF: 1719.1/42

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -34.756+/-0.929 χ^2/NDF: 359.3/19

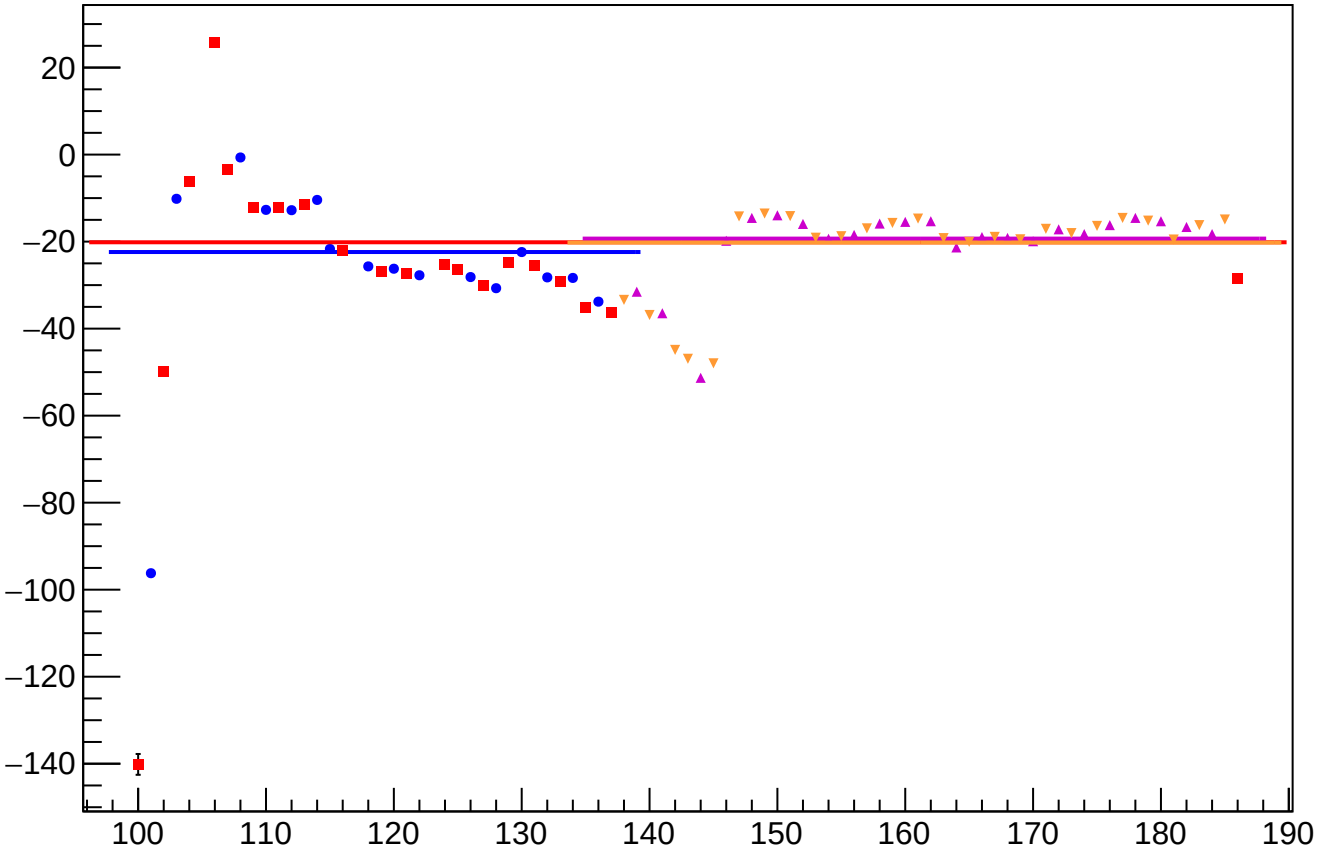
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -21.352+/-0.453 χ^2/NDF: 834.7/40

All: -21.570+/-0.322 χ^2/NDF: 1737.2/83

- sign -21.794+/-0.458 χ^2/NDF: 902.0/42

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -20.154+/-0.058 χ^2/NDF: 85256.6/19

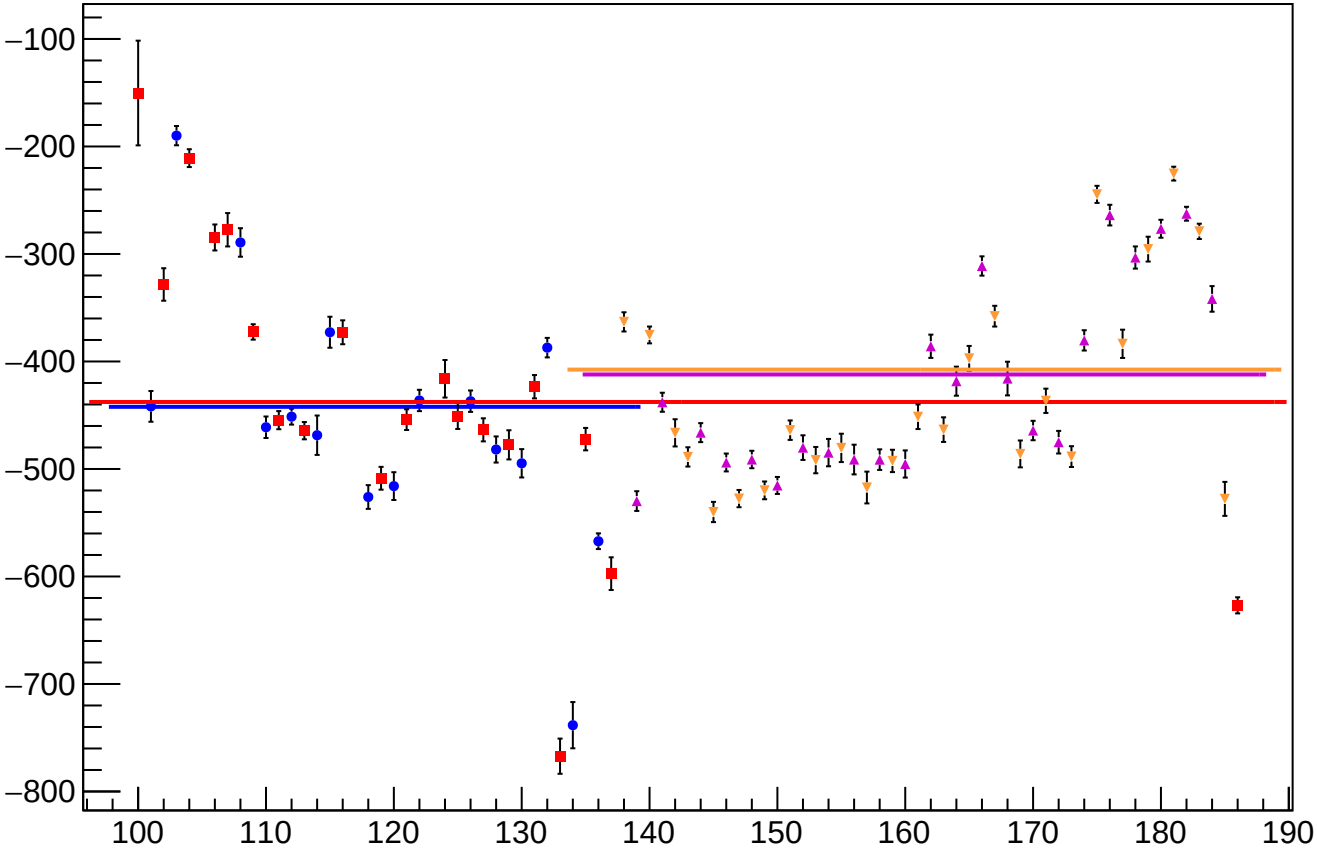
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -20.516+/-0.021 χ^2/NDF: 195070.4/40

All: -19.979+/-0.015 χ^2/NDF: 374890.4/83

- sign -19.428+/-0.022 χ^2/NDF: 178532.4/42

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -437.674+/-2.391 χ^2/NDF: 2462.6/19

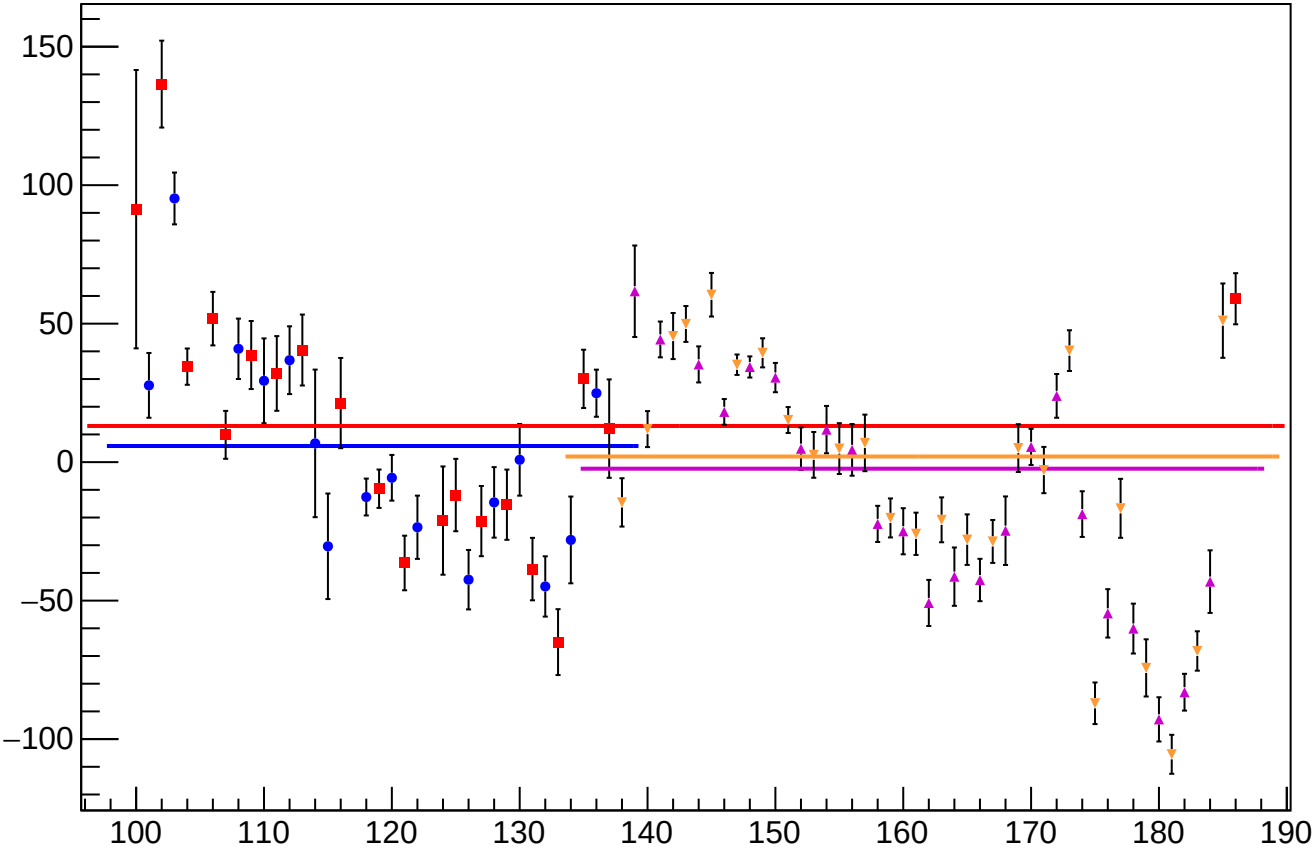
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -419.539+/-1.578 χ^2/NDF: 4570.7/40

All: -421.150+/-1.101 χ^2/NDF: 9284.7/83

- sign -422.681+/-1.538 χ^2/NDF: 4712.0/42

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 13.059+/-2.464 χ^2/NDF: 248.8/19

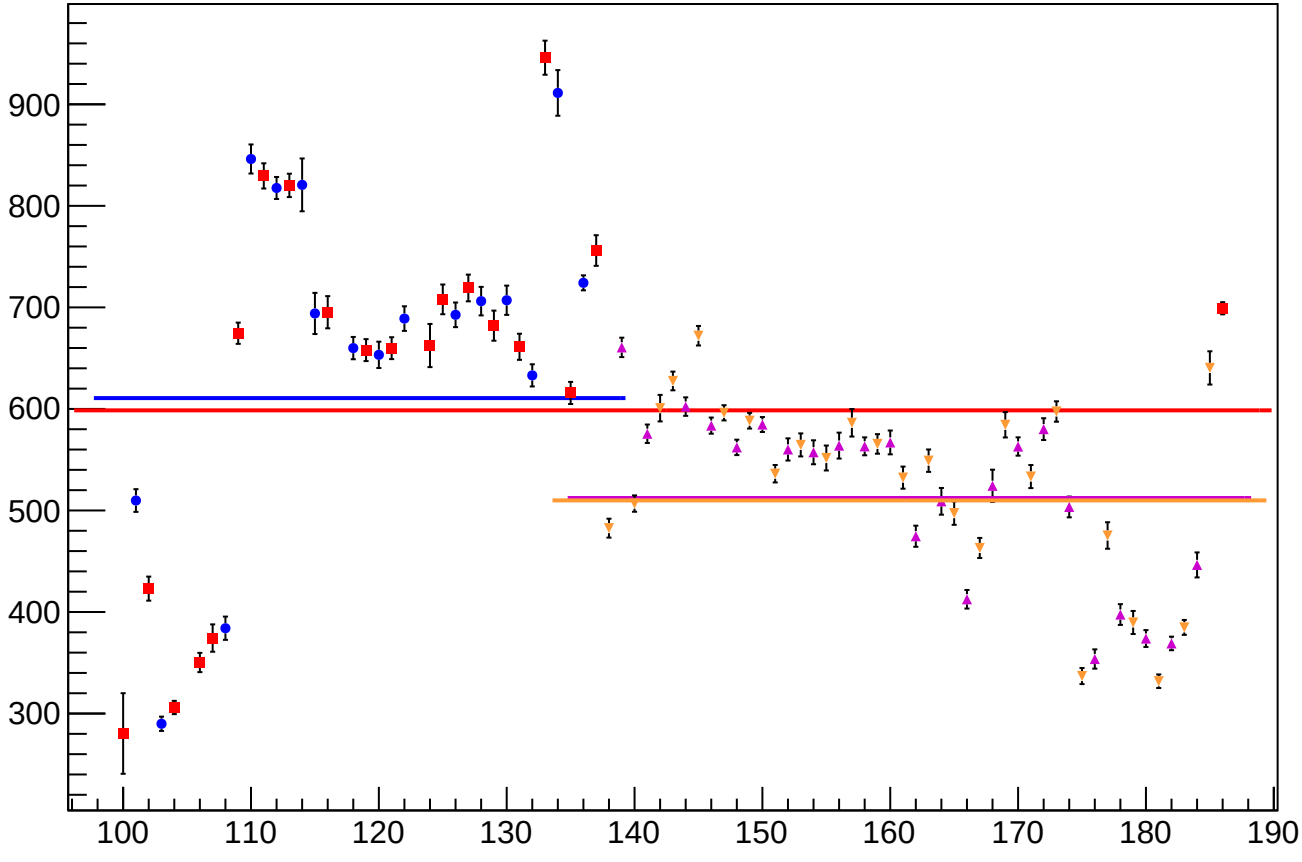
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 2.848+/-1.264 χ^2/NDF: 1100.4/40

All: 2.294+/-0.896 χ^2/NDF: 2111.7/83

- sign 1.735+/-1.270 χ^2/NDF: 1011.0/42

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 598.600+/-2.502 χ^2/NDF: 5144.0/19

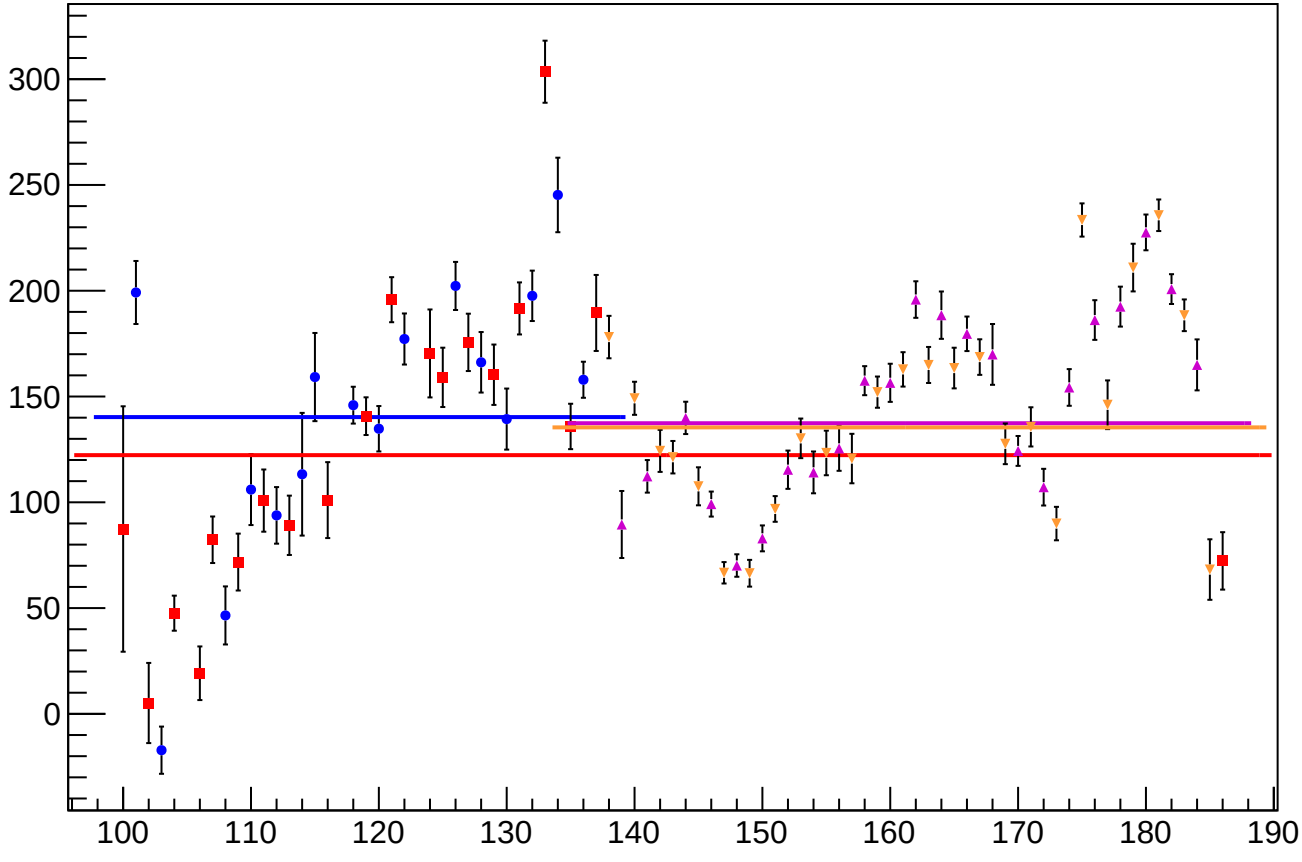
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 541.078+/-1.609 χ^2/NDF: 7393.2/40

All: 543.417+/-1.118 χ^2/NDF: 15360.1/83

- sign 545.600+/-1.554 χ^2/NDF: 7962.7/42

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 122.290+/-2.909 χ^2/NDF: 522.8/19

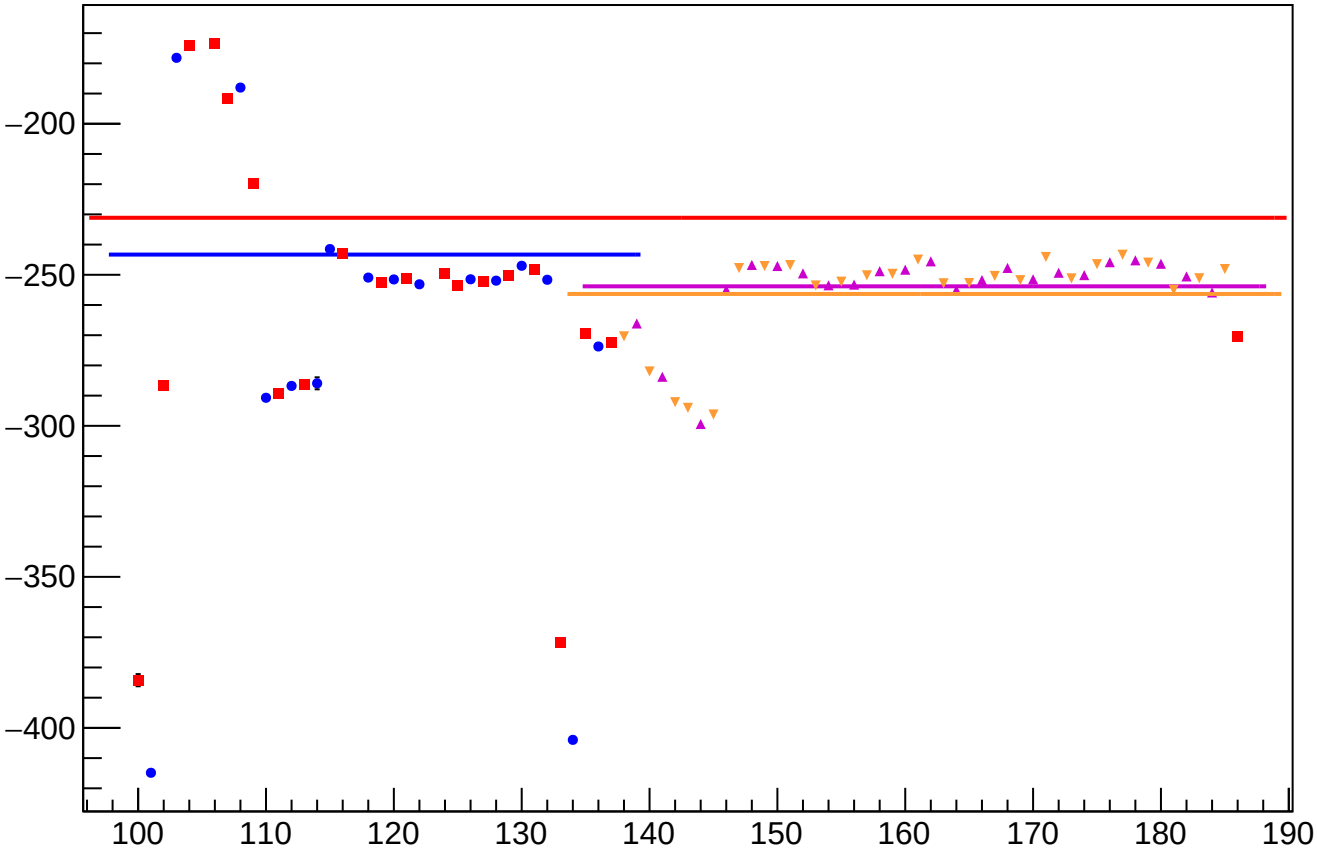
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 136.454+/-1.461 χ^2/NDF: 1310.4/40

All: 134.999+/-1.036 χ^2/NDF: 2561.1/83

- sign 133.527+/-1.469 χ^2/NDF: 1248.7/42

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -231.124+/-0.155 χ^2/NDF: 104102.1/19

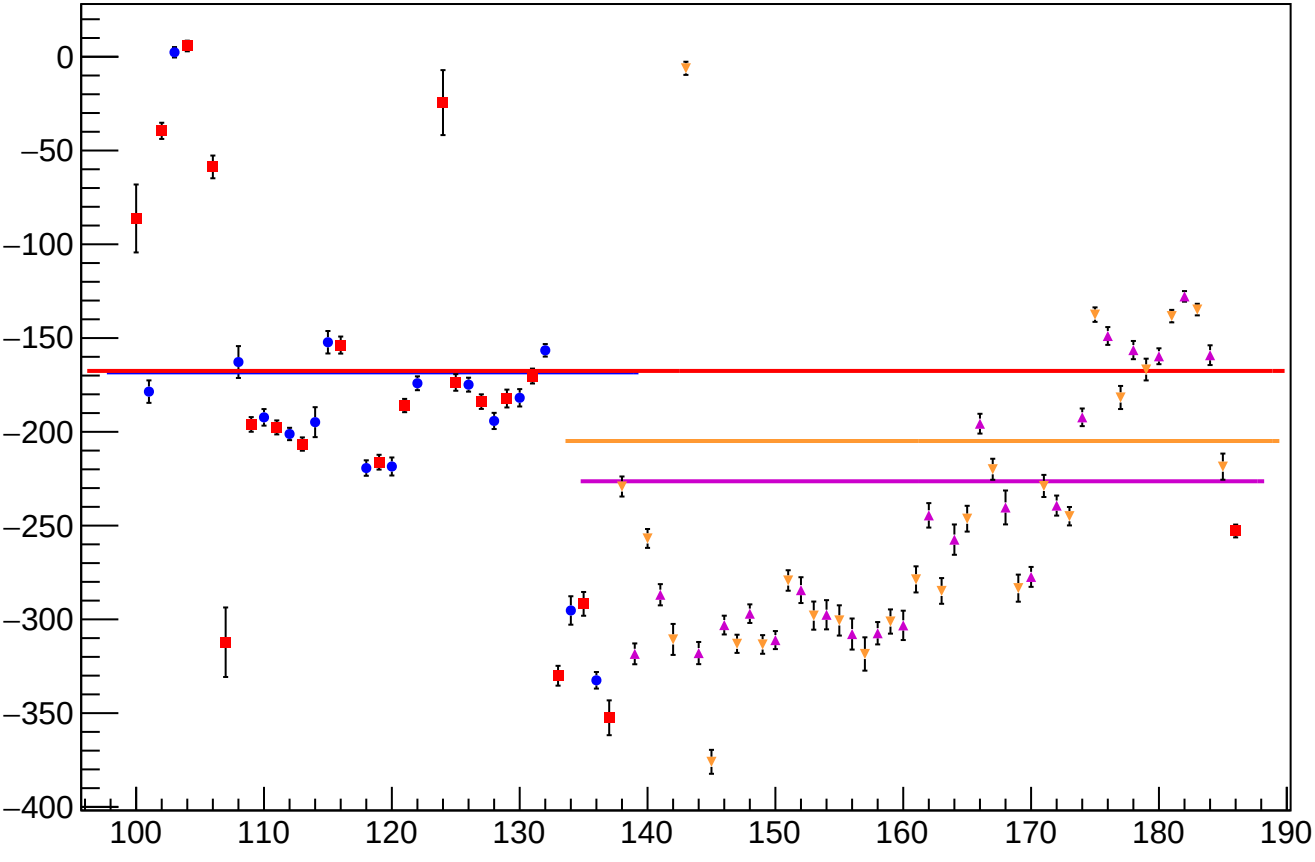
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -253.954+/-0.070 χ^2/NDF: 218256.1/40

All: -251.610+/-0.049 χ^2/NDF: 365758.0/83

- sign -249.265+/-0.070 χ^2/NDF: 145231.9/42

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -167.525+/-0.997 χ^2/NDF: 7878.1/19

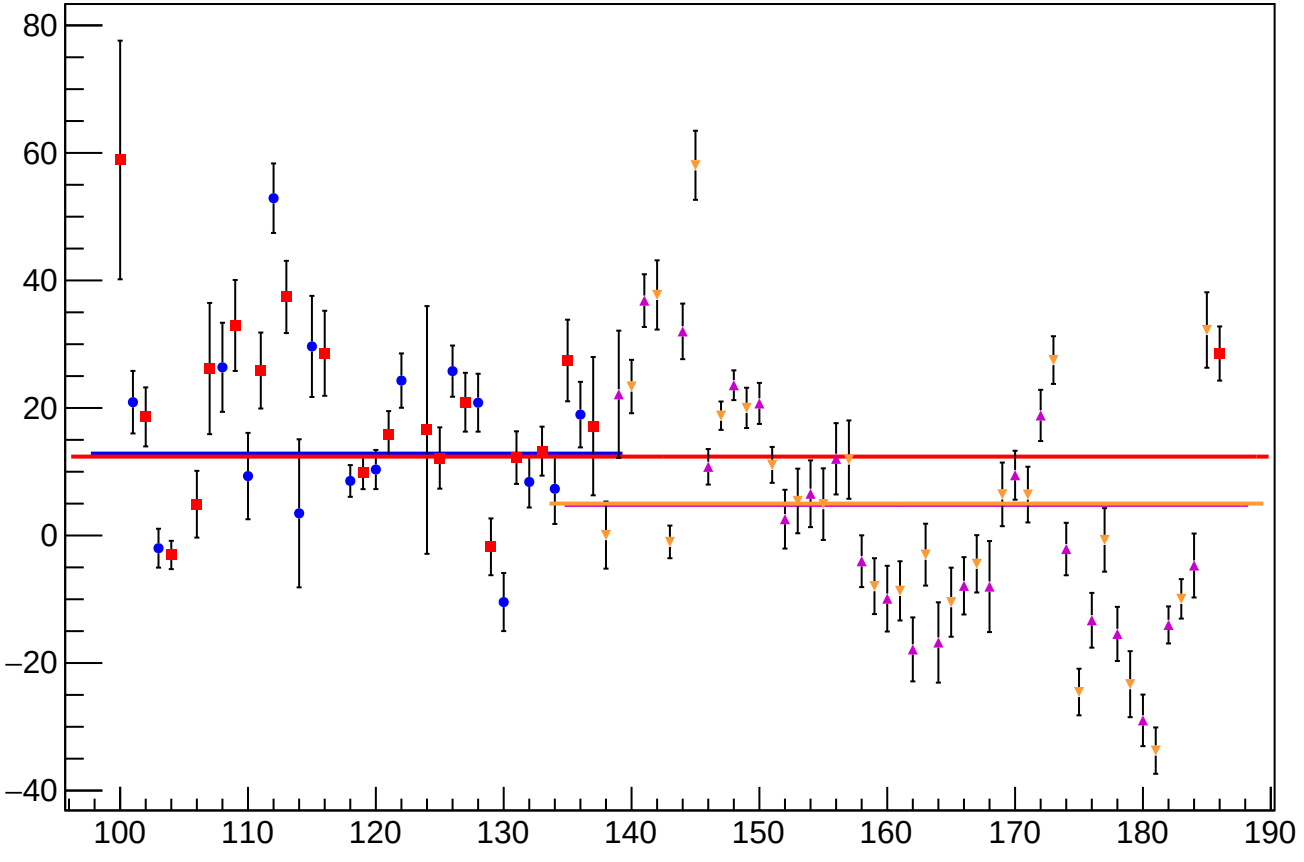
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -187.000+/-0.752 χ^2/NDF: 14325.6/40

All: -190.522+/-0.528 χ^2/NDF: 28028.8/83

- sign -193.933+/-0.740 χ^2/NDF: 13660.1/42

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 12.374+/-1.006 χ^2/NDF: 134.9/19

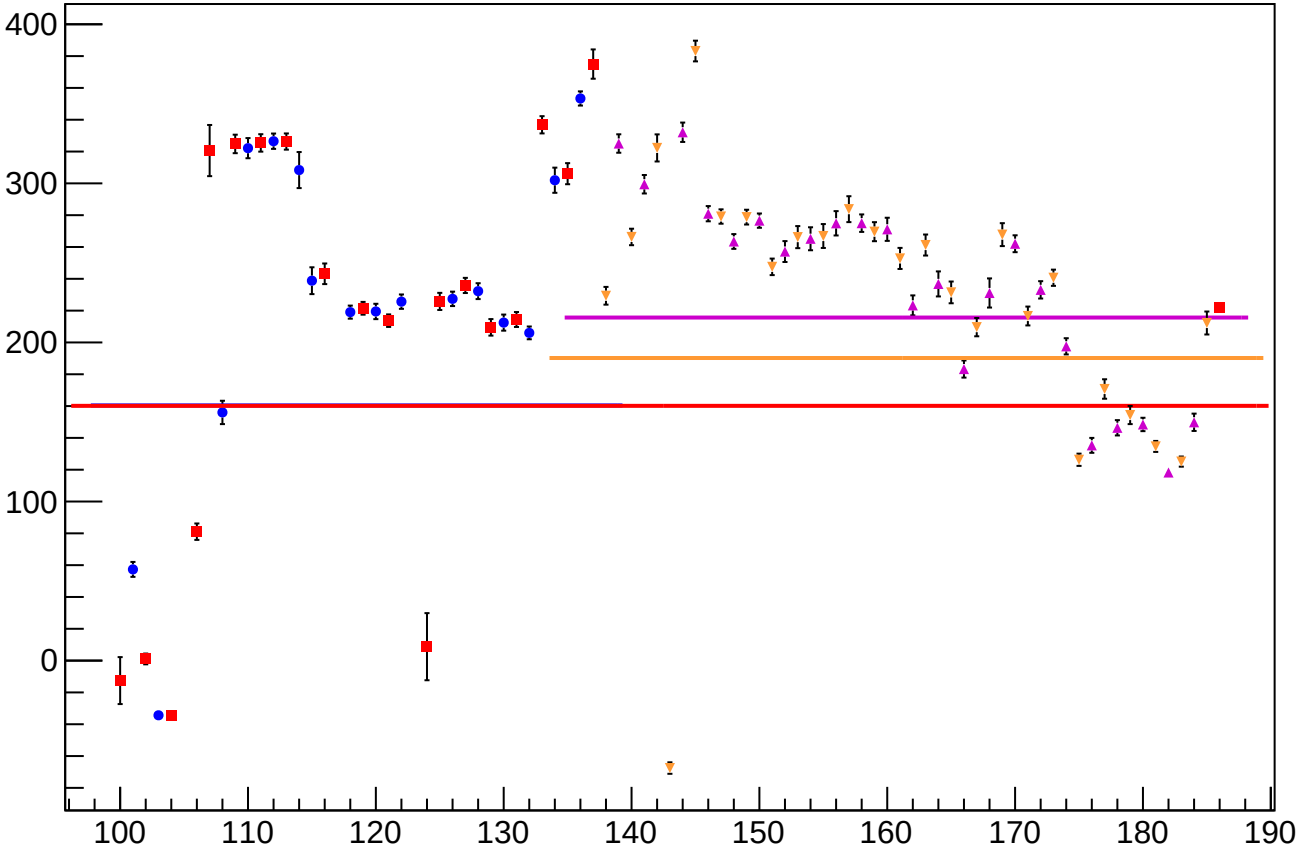
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 7.764+/-0.639 χ^2/NDF: 726.5/40

All: 7.850+/-0.455 χ^2/NDF: 1321.0/83

- sign 7.939+/-0.648 χ^2/NDF: 594.4/42

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 160.144+/-1.026 χ^2/NDF: 16863.2/19

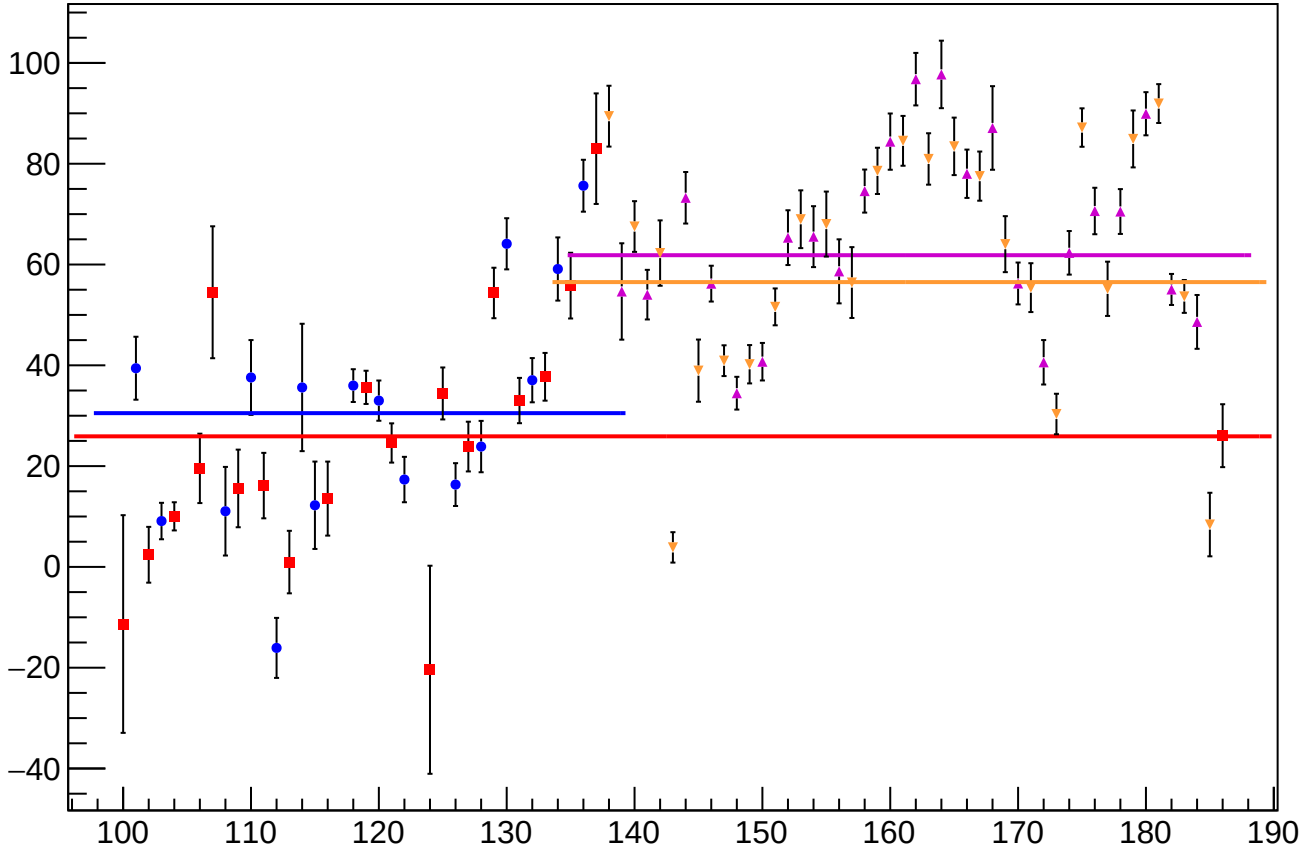
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 176.523+/-0.772 χ^2/NDF: 23704.1/40

All: 181.402+/-0.538 χ^2/NDF: 45895.3/83

- sign 186.001+/-0.750 χ^2/NDF: 22113.6/42

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

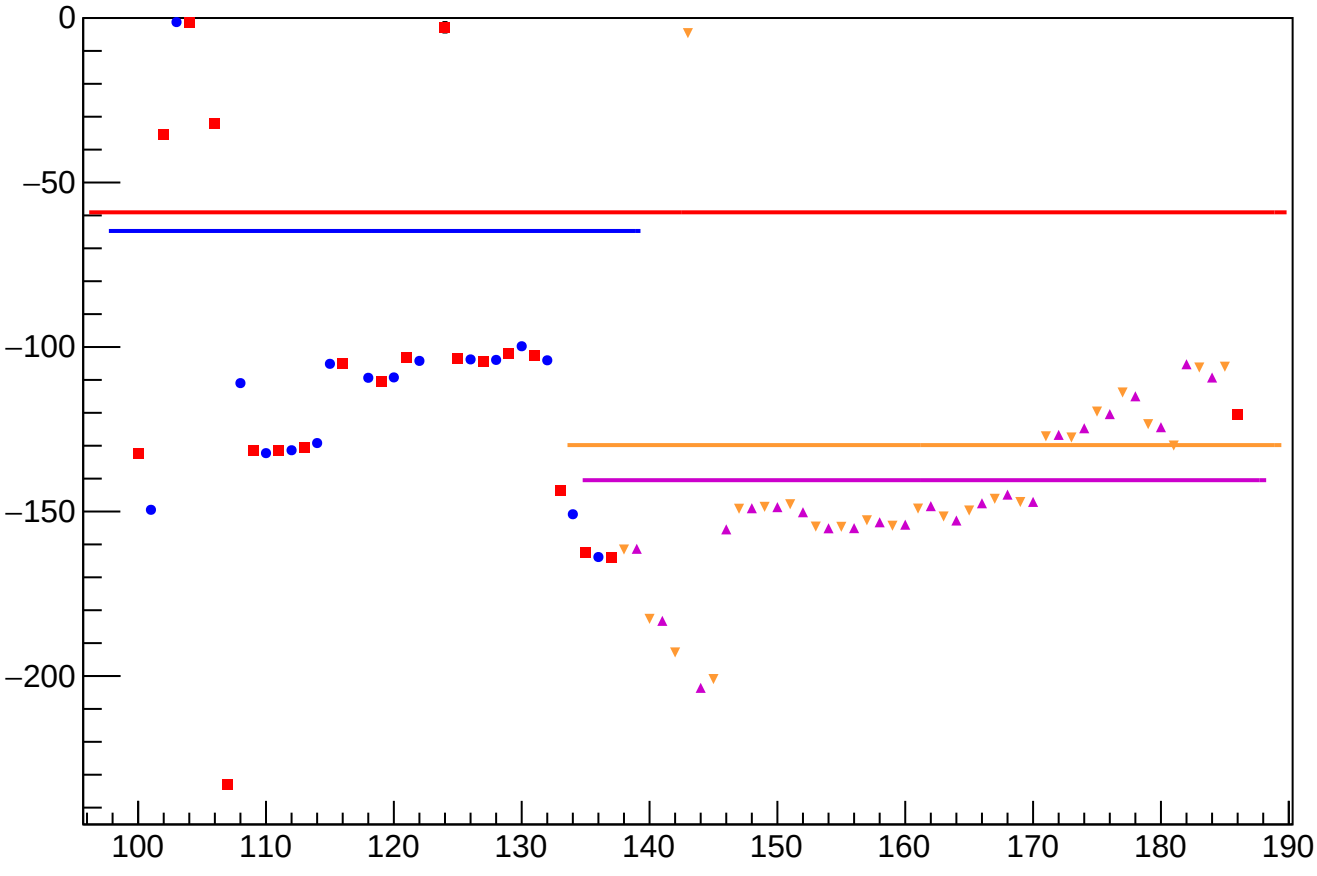
Right Out: 25.908+/-1.191 χ^2/NDF: 187.8/19

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 47.562+/-0.736 χ^2/NDF: 1357.5/40

All: 47.613+/-0.525 χ^2/NDF: 2417.6/83

- sign 47.666+/-0.748 χ^2/NDF: 1060.0/42



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -59.061+/-0.062 χ^2/NDF: 895372.3/19

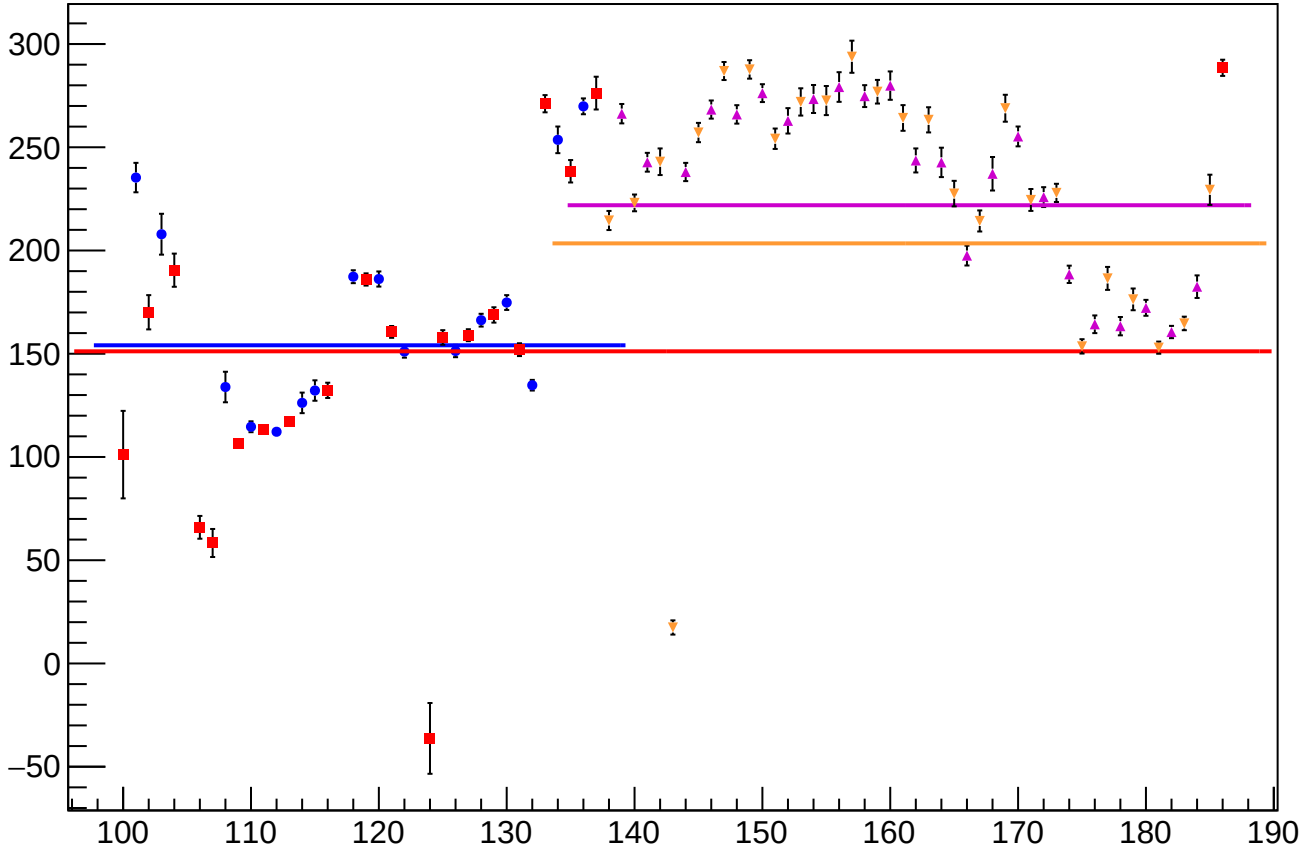
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -110.021+/-0.035 χ^2/NDF: 2794022.7/40

All: -111.599+/-0.025 χ^2/NDF: 5112040.2/83

- sign -113.216+/-0.036 χ^2/NDF: 2313943.1/42

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 151.176+/-0.808 χ^2/NDF: 4238.8/19

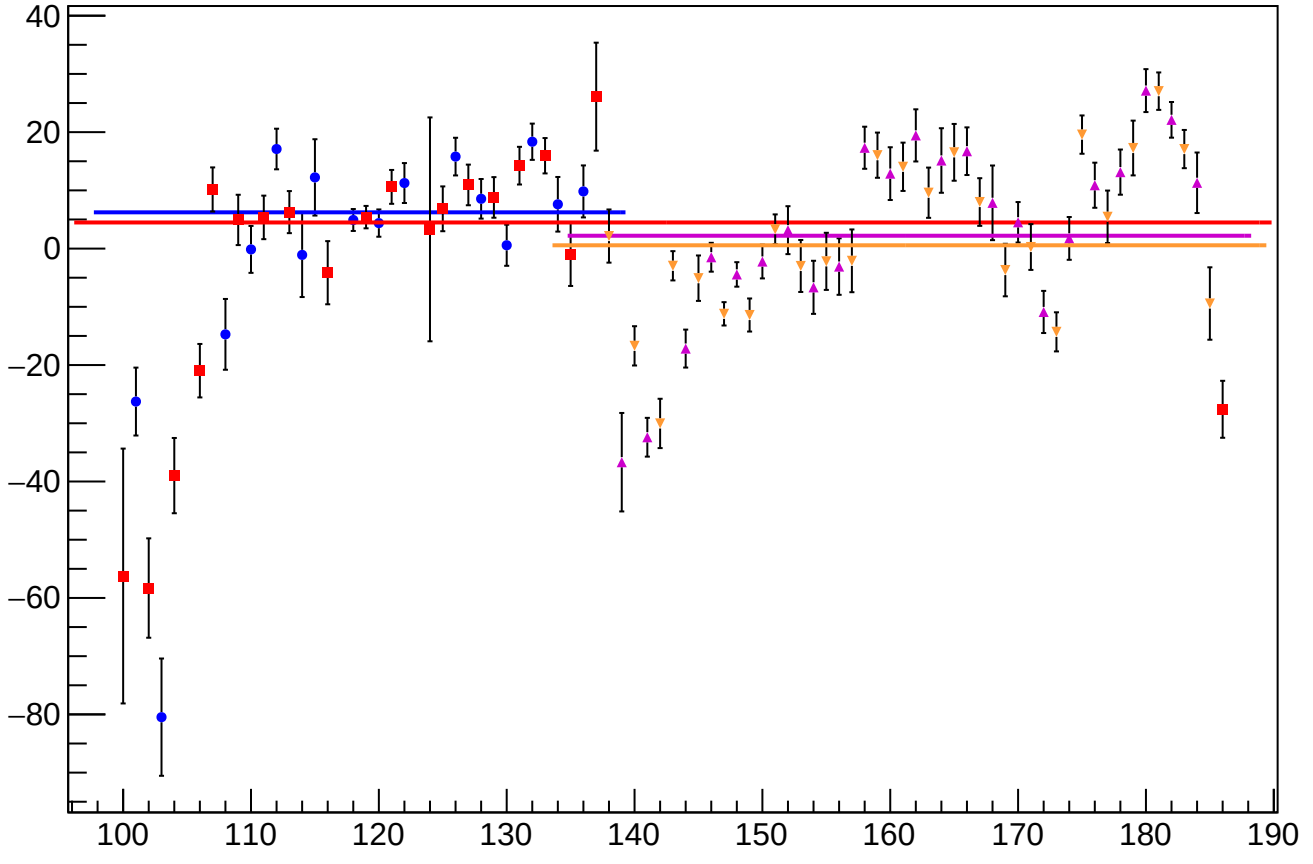
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 176.507+/-0.642 χ^2/NDF: 9237.1/40

All: 177.796+/-0.449 χ^2/NDF: 18487.2/83

- sign 179.033+/-0.629 χ^2/NDF: 9242.2/42

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: 4.487+/-0.875 χ^2/NDF: 225.6/19

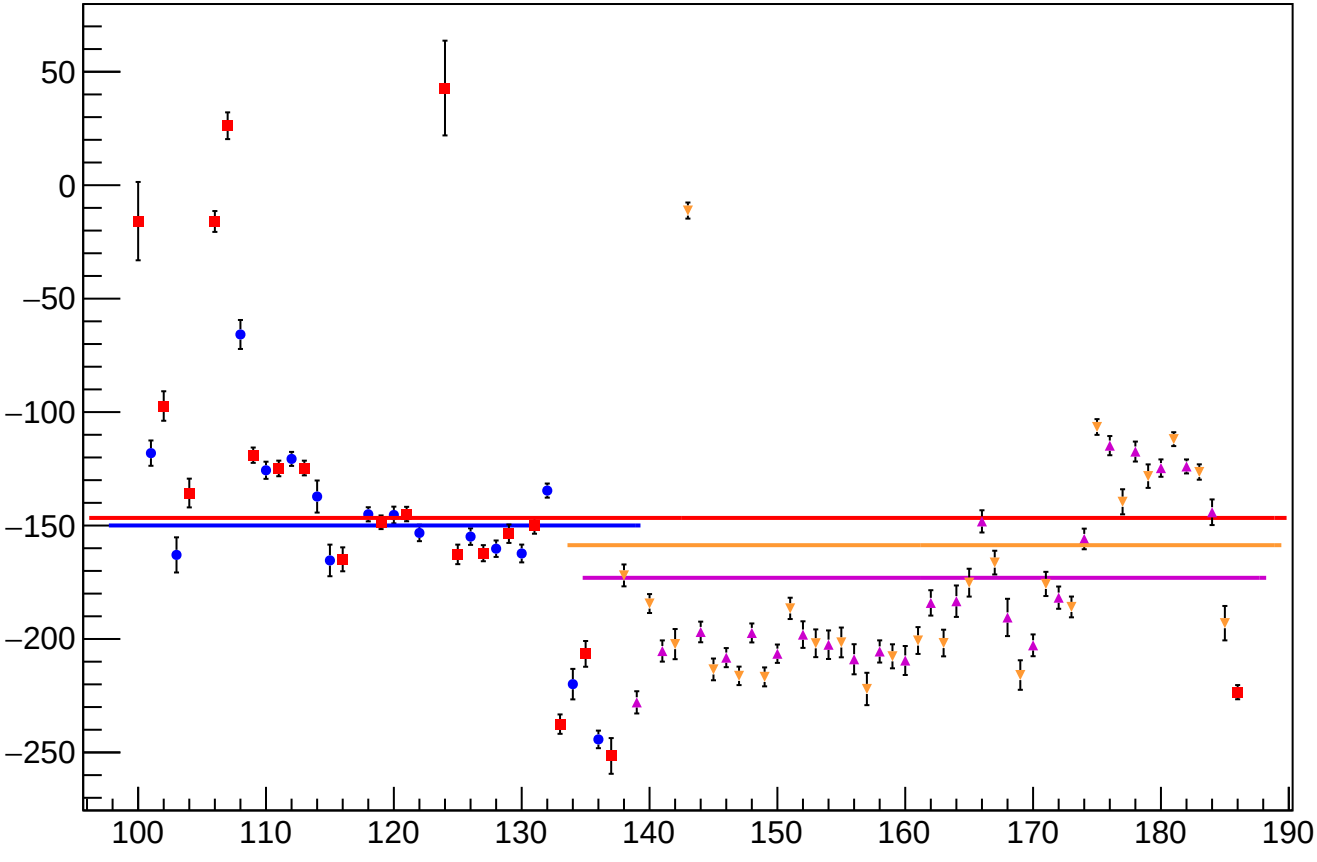
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 2.791+/-0.558 χ^2/NDF: 532.1/40

All: 2.984+/-0.400 χ^2/NDF: 1119.9/83

- sign 3.189+/-0.574 χ^2/NDF: 587.6/42

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -146.645+/-0.947 χ^2/NDF: 3413.2/19

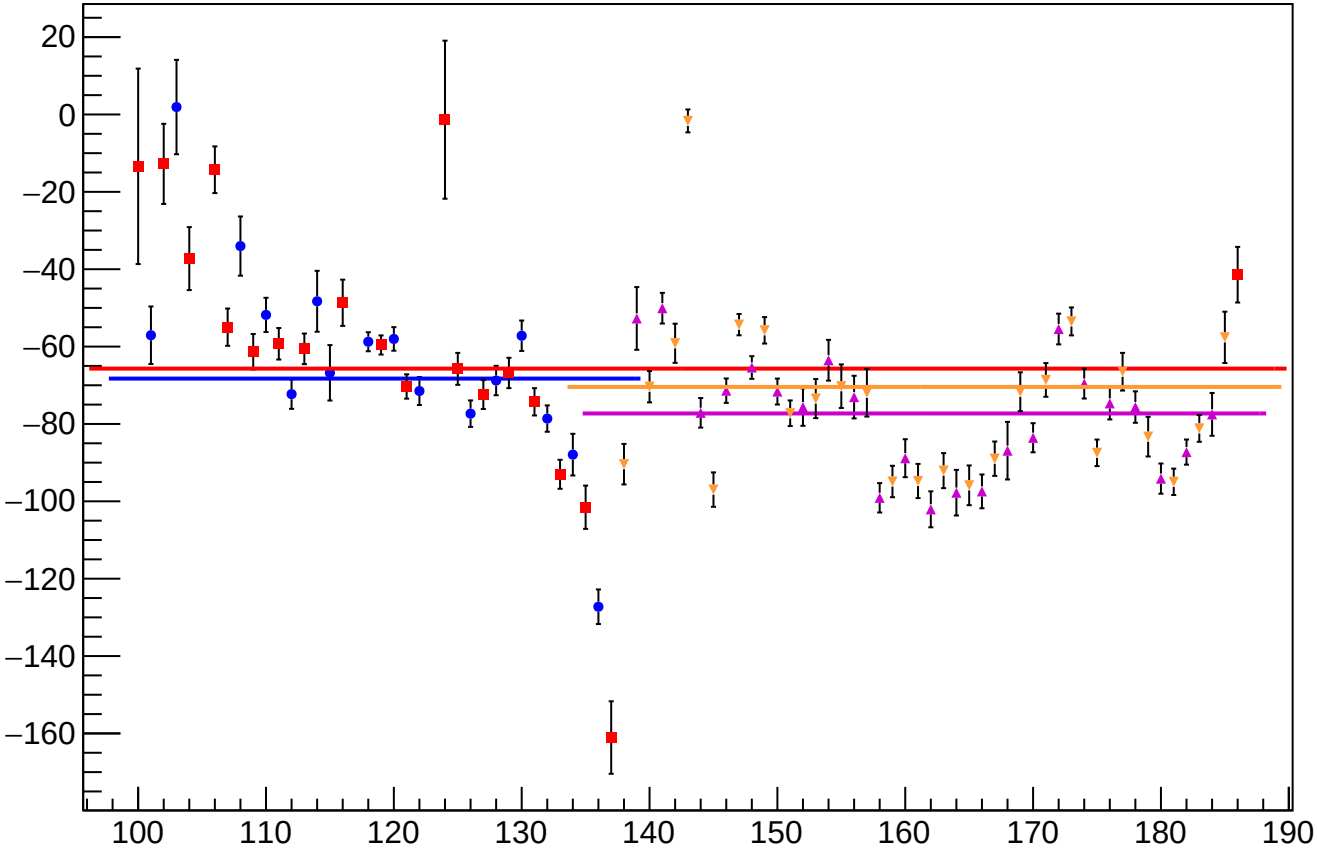
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -154.644+/-0.697 χ^2/NDF: 4629.8/40

All: -156.950+/-0.489 χ^2/NDF: 9833.6/83

- sign -159.184+/-0.686 χ^2/NDF: 5182.3/42

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -65.693+/-1.014 χ^2/NDF: 370.0/19

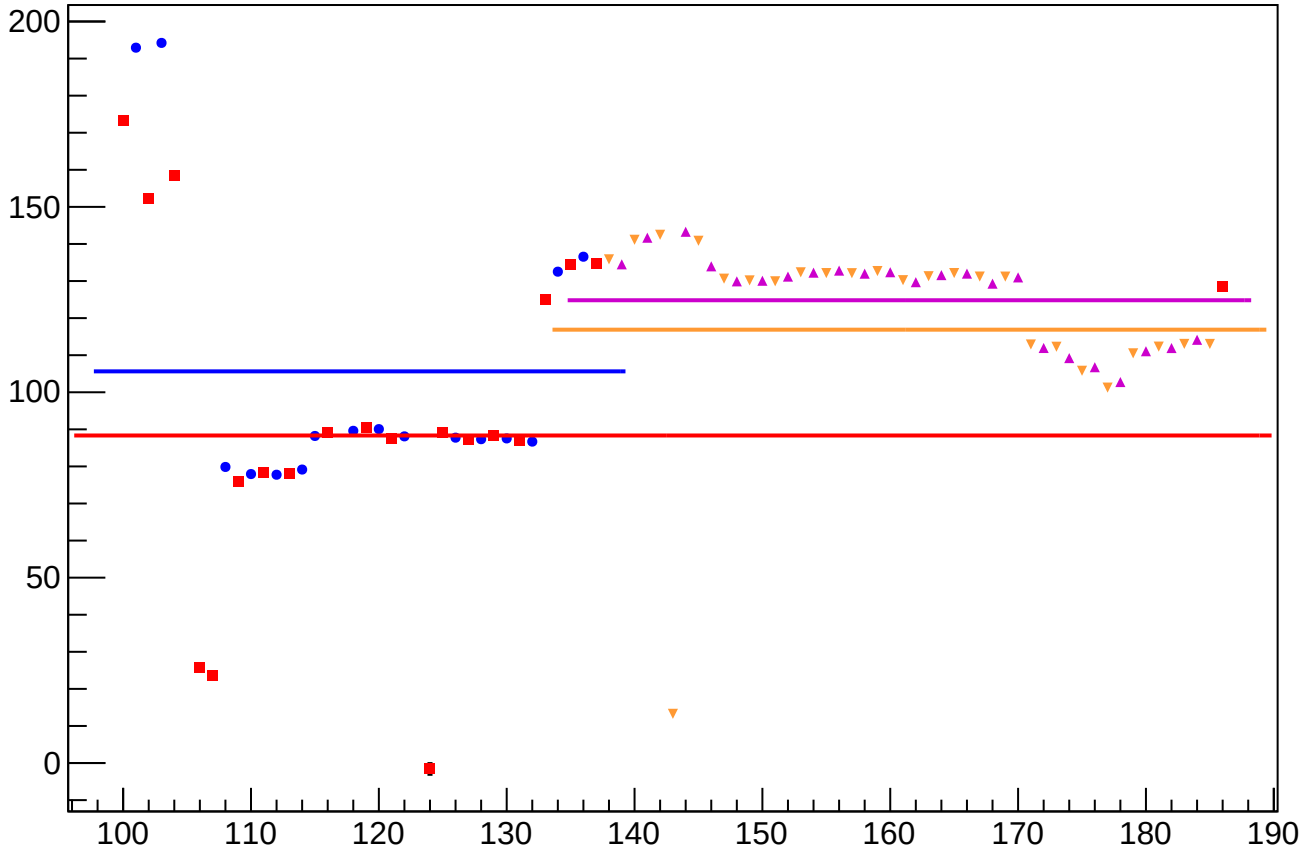
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -69.593+/-0.643 χ^2/NDF: 1219.7/40

All: -70.962+/-0.460 χ^2/NDF: 1928.9/83

- sign -72.398+/-0.658 χ^2/NDF: 699.9/42

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 88.343+/-0.065 χ^2/NDF: 380799.6/19

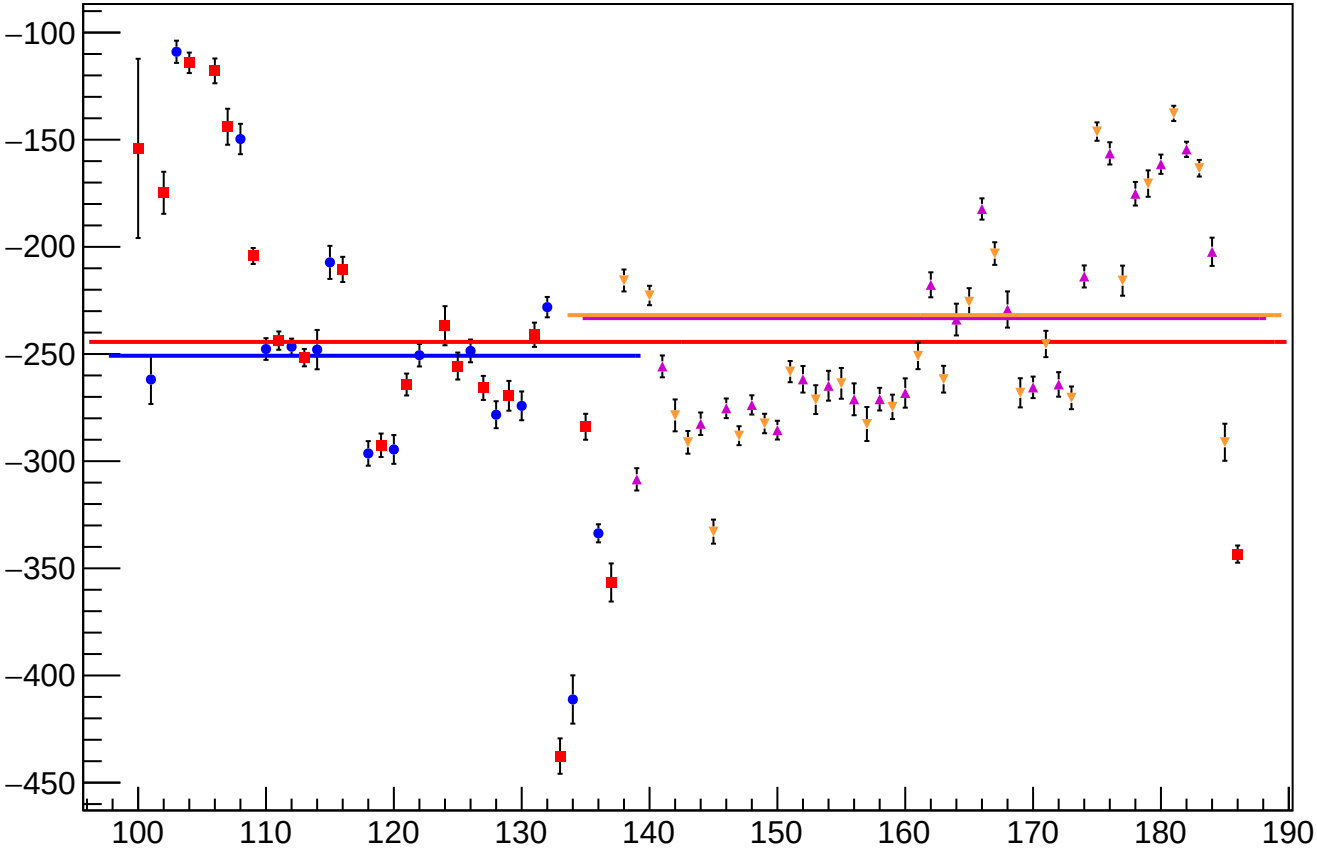
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

\+ sign 114.359+/-0.034 χ^2/NDF: 882259.5/40

All: 114.710+/-0.024 χ^2/NDF: 1581466.8/83

\- sign 115.063+/-0.034 χ^2/NDF: 698987.7/42

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -244.353+/-1.265 χ^2/NDF: 3056.3/19

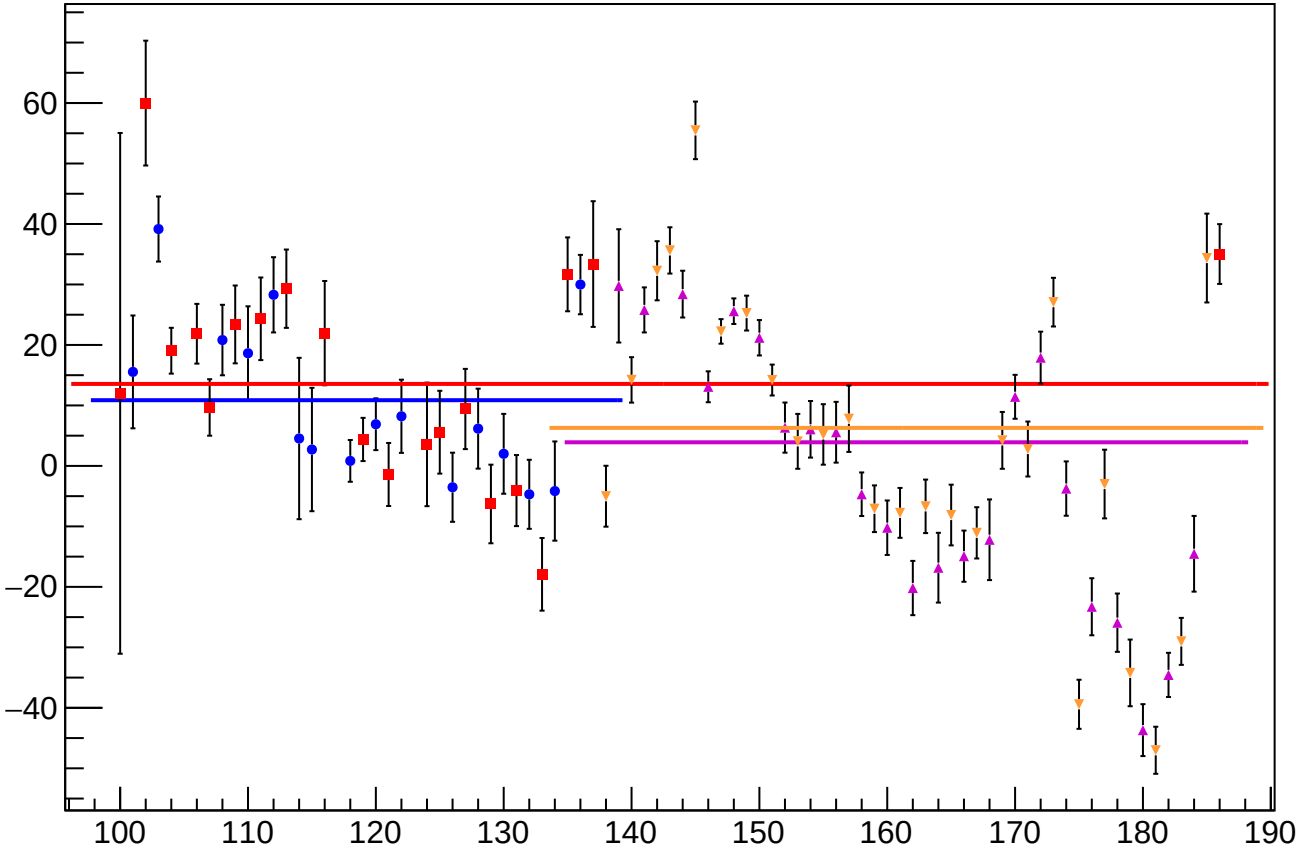
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -238.687+/-0.864 χ^2/NDF: 4523.5/40

All: -238.369+/-0.600 χ^2/NDF: 9690.6/83

- sign -238.072+/-0.833 χ^2/NDF: 5166.8/42

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 13.556+/-1.318 χ^2/NDF: 132.3/19

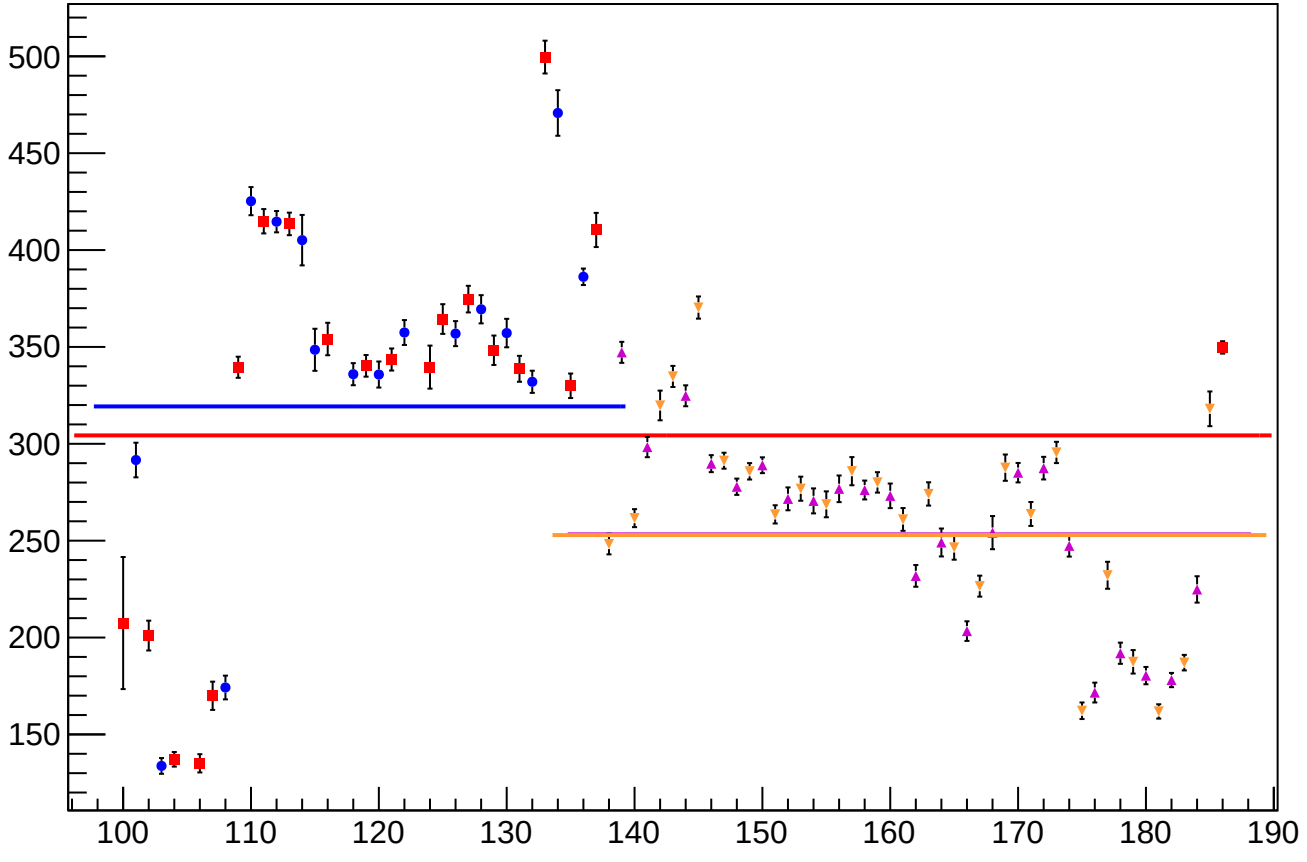
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 7.311+/-0.695 χ^2/NDF: 963.6/40

All: 6.951+/-0.492 χ^2/NDF: 1785.4/83

- sign 6.590+/-0.695 χ^2/NDF: 821.2/42

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 304.337+/-1.344 χ^2/NDF: 5748.8/19

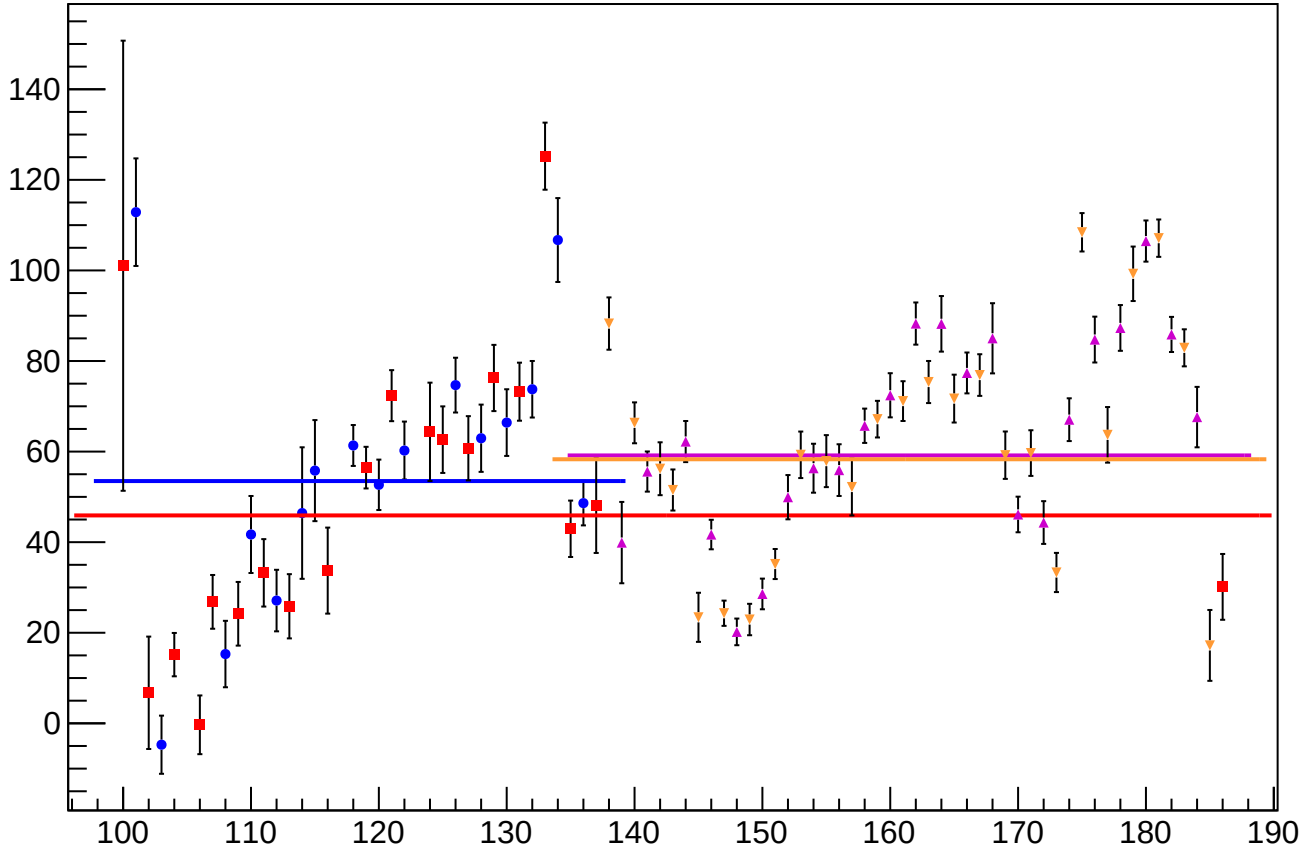
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 273.668+/-0.887 χ^2/NDF: 7576.3/40

All: 273.630+/-0.613 χ^2/NDF: 16254.4/83

- sign 273.596+/-0.848 χ^2/NDF: 8678.1/42

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 45.907+/-1.556 χ^2/NDF: 330.6/19

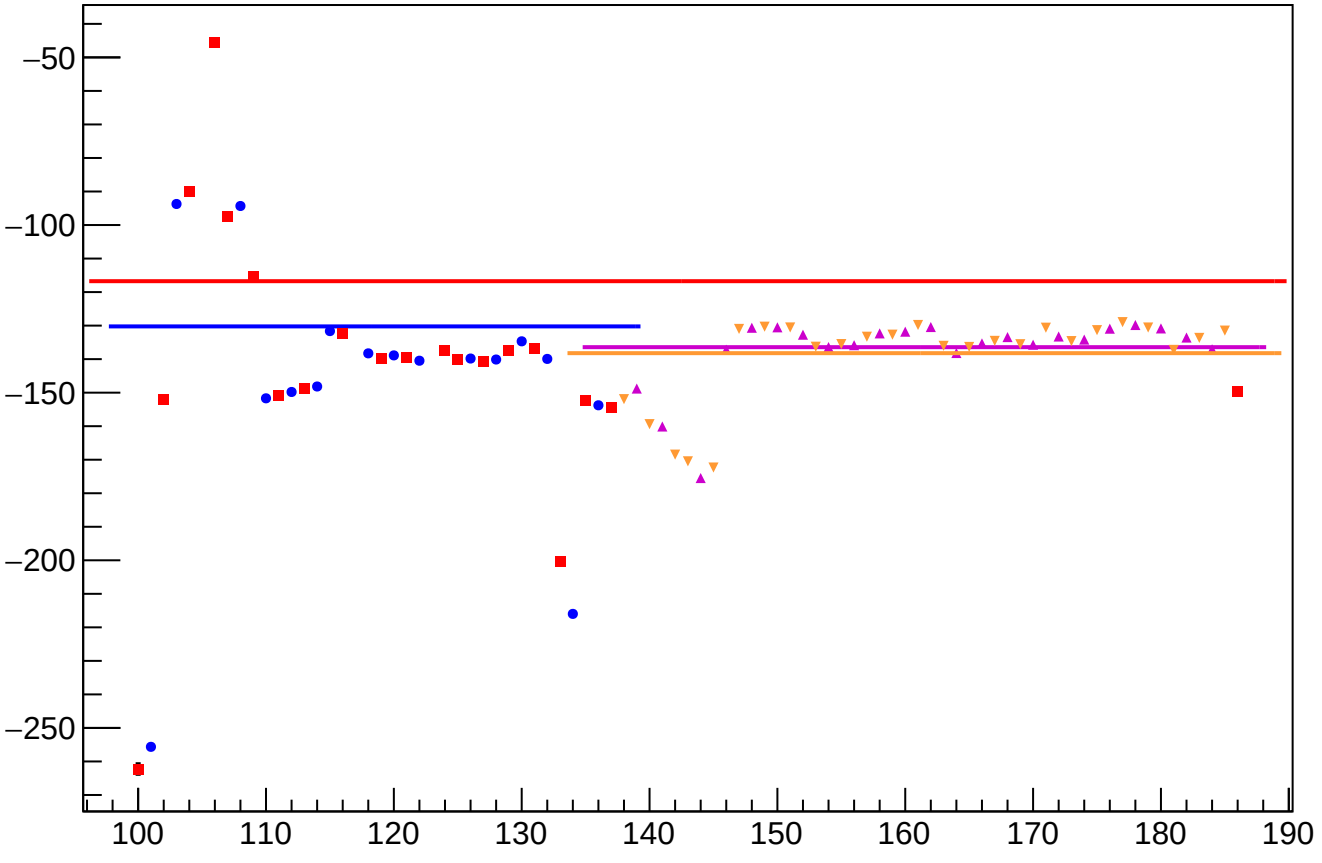
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 57.230+/-0.803 χ^2/NDF: 1073.7/40

All: 56.426+/-0.568 χ^2/NDF: 2091.8/83

- sign 55.620+/-0.804 χ^2/NDF: 1016.1/42

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -116.749+/-0.085 χ^2/NDF: 209953.1/19

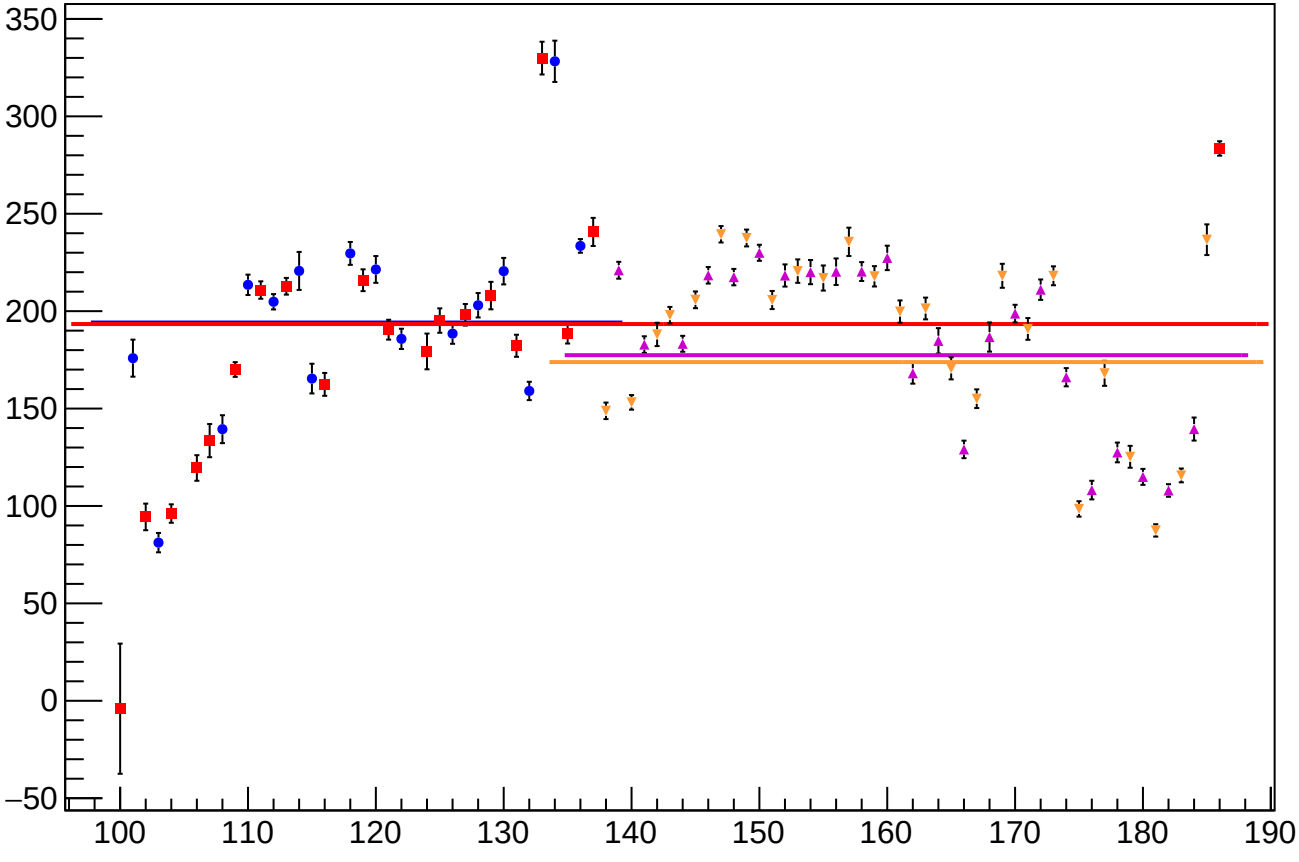
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -136.791+/-0.039 χ^2/NDF: 262342.9/40

All: -134.584+/-0.027 χ^2/NDF: 571682.5/83

- sign -132.409+/-0.038 χ^2/NDF: 302820.7/42

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 193.384+/-1.245 χ^2/NDF: 1870.9/19

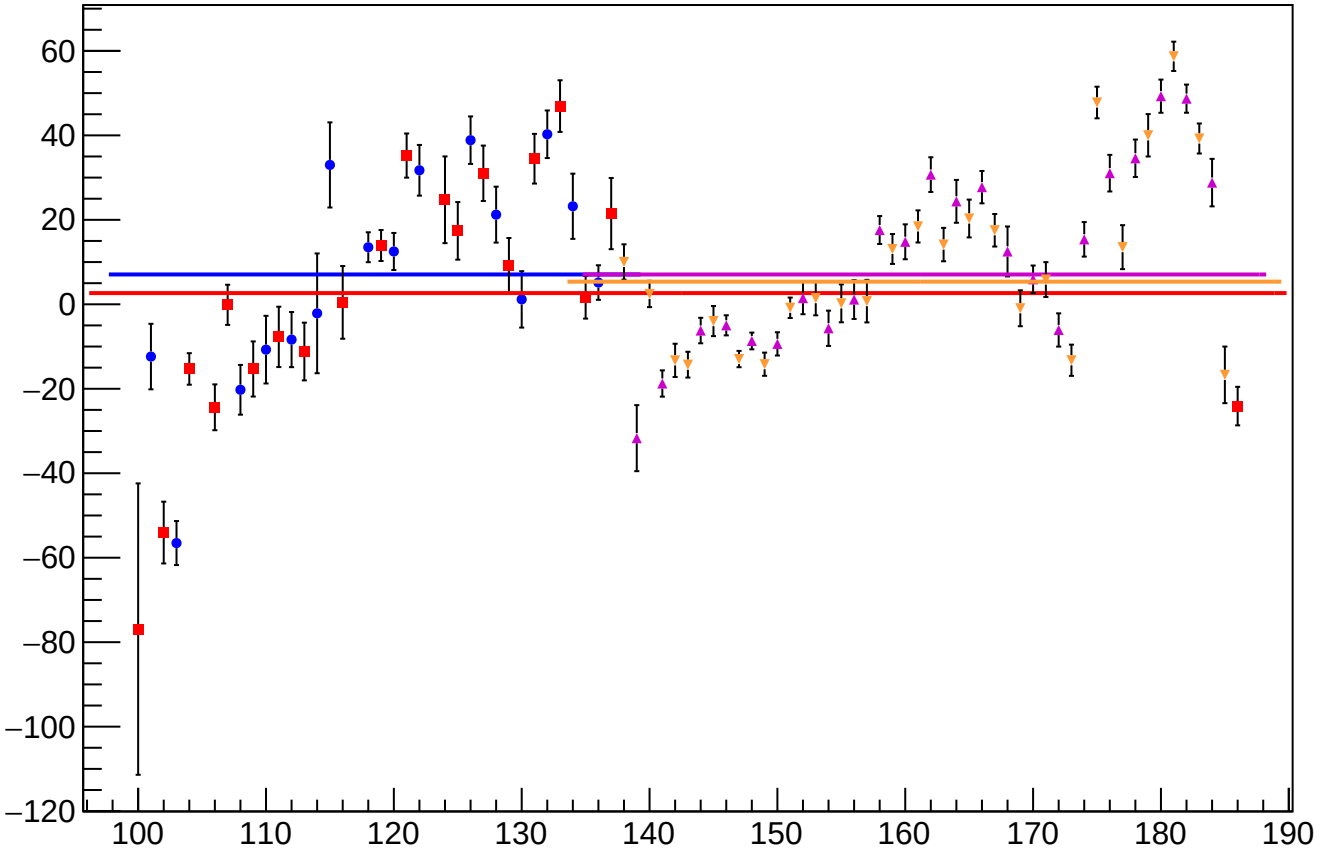
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 180.333+/-0.794 χ^2/NDF: 3804.7/40

All: 182.019+/-0.556 χ^2/NDF: 7747.9/83

- sign 183.635+/-0.778 χ^2/NDF: 3934.4/42

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: 2.656+/-1.299 χ^2/NDF: 326.0/19

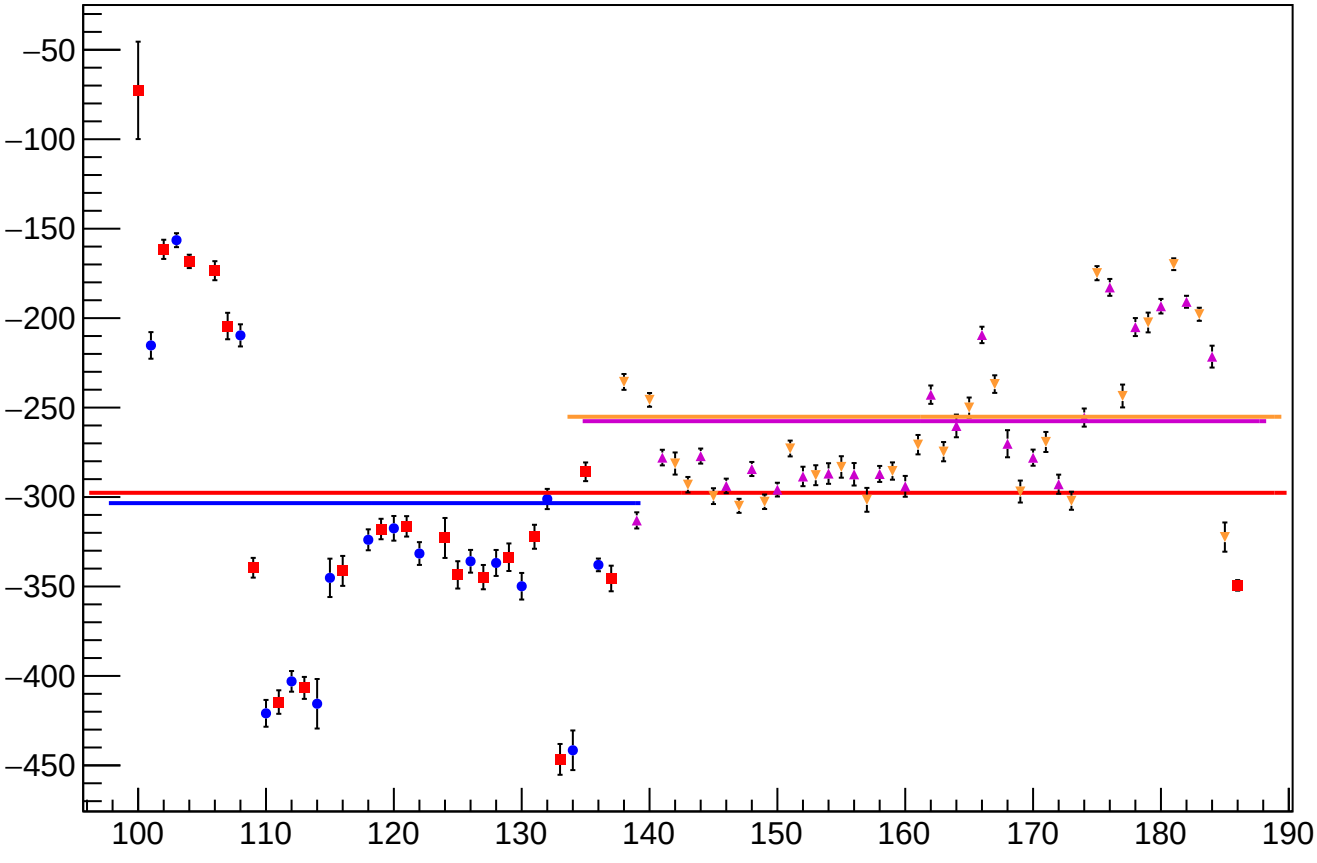
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 5.695+/-0.637 χ^2/NDF: 1103.7/40

All: 5.835+/-0.453 χ^2/NDF: 2148.0/83

- sign 5.978+/-0.644 χ^2/NDF: 1044.3/42

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -297.633+/-1.302 χ^2/NDF: 4135.7/19

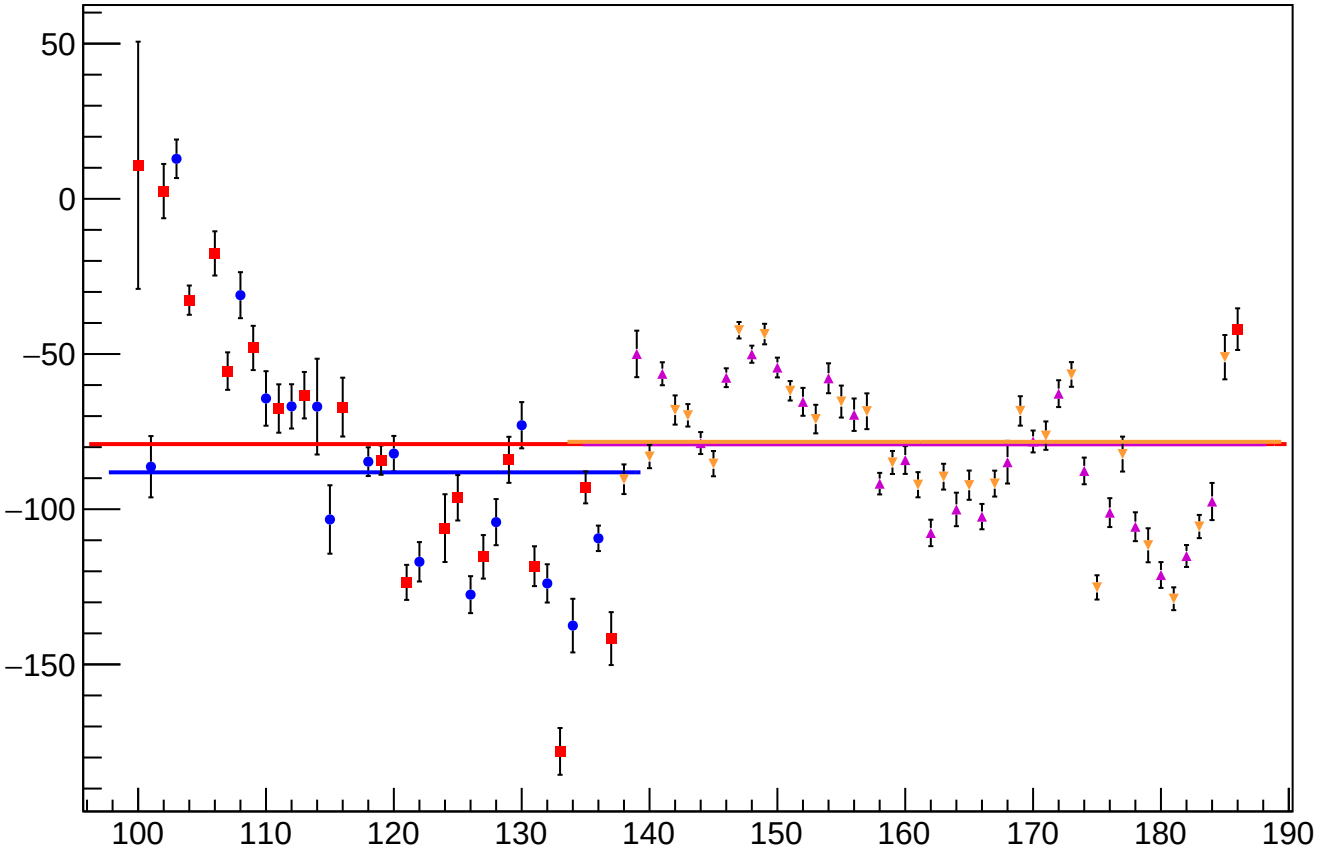
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -268.686+/-0.811 χ^2/NDF: 5846.5/40

All: -270.481+/-0.564 χ^2/NDF: 12401.0/83

- sign -272.165+/-0.786 χ^2/NDF: 6545.0/42

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -79.020+/-1.528 χ^2/NDF: 709.7/19

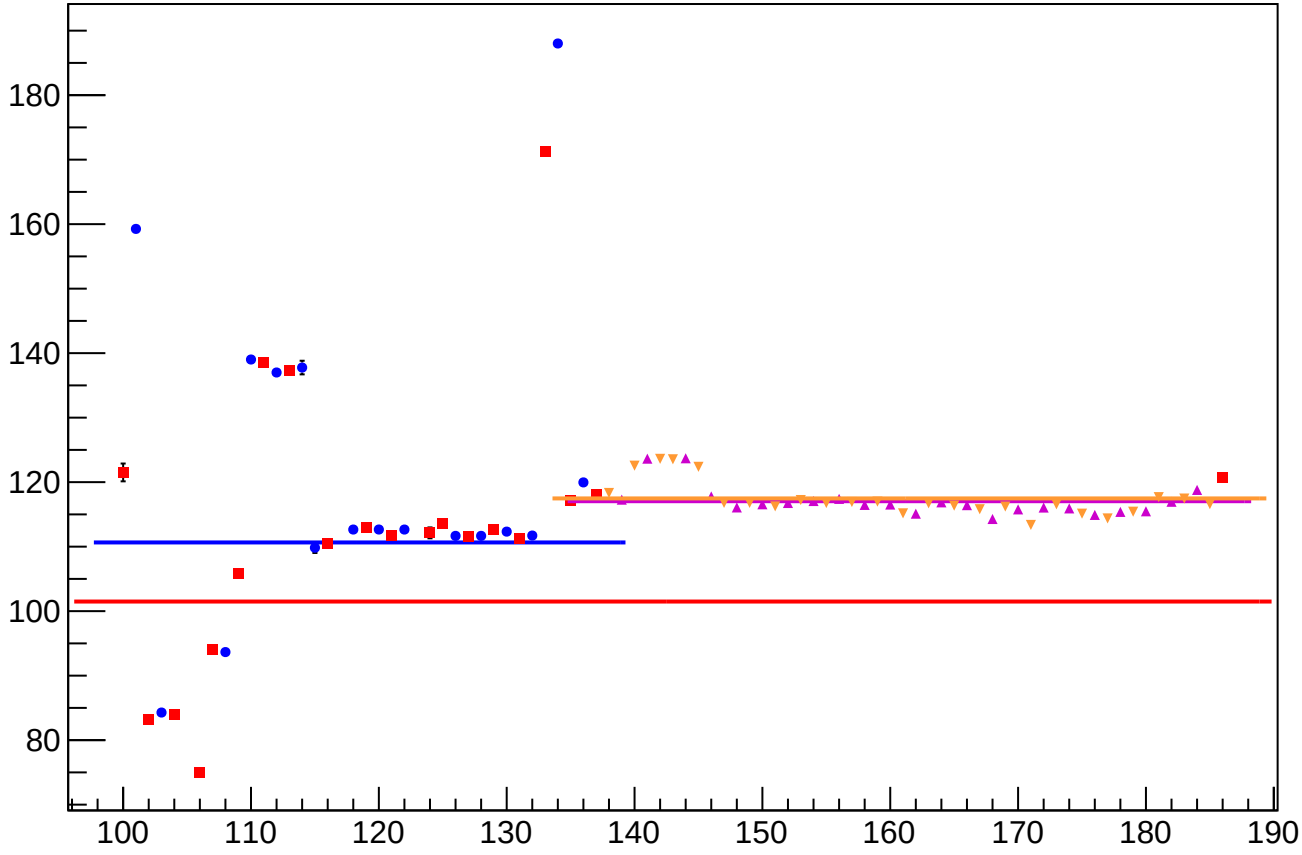
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -80.224+/-0.734 χ^2/NDF: 1408.4/40

All: -79.646+/-0.522 χ^2/NDF: 2822.0/83

- sign -79.055+/-0.742 χ^2/NDF: 1412.3/42

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 101.489+/-0.080 χ^2/NDF: 63636.1/19

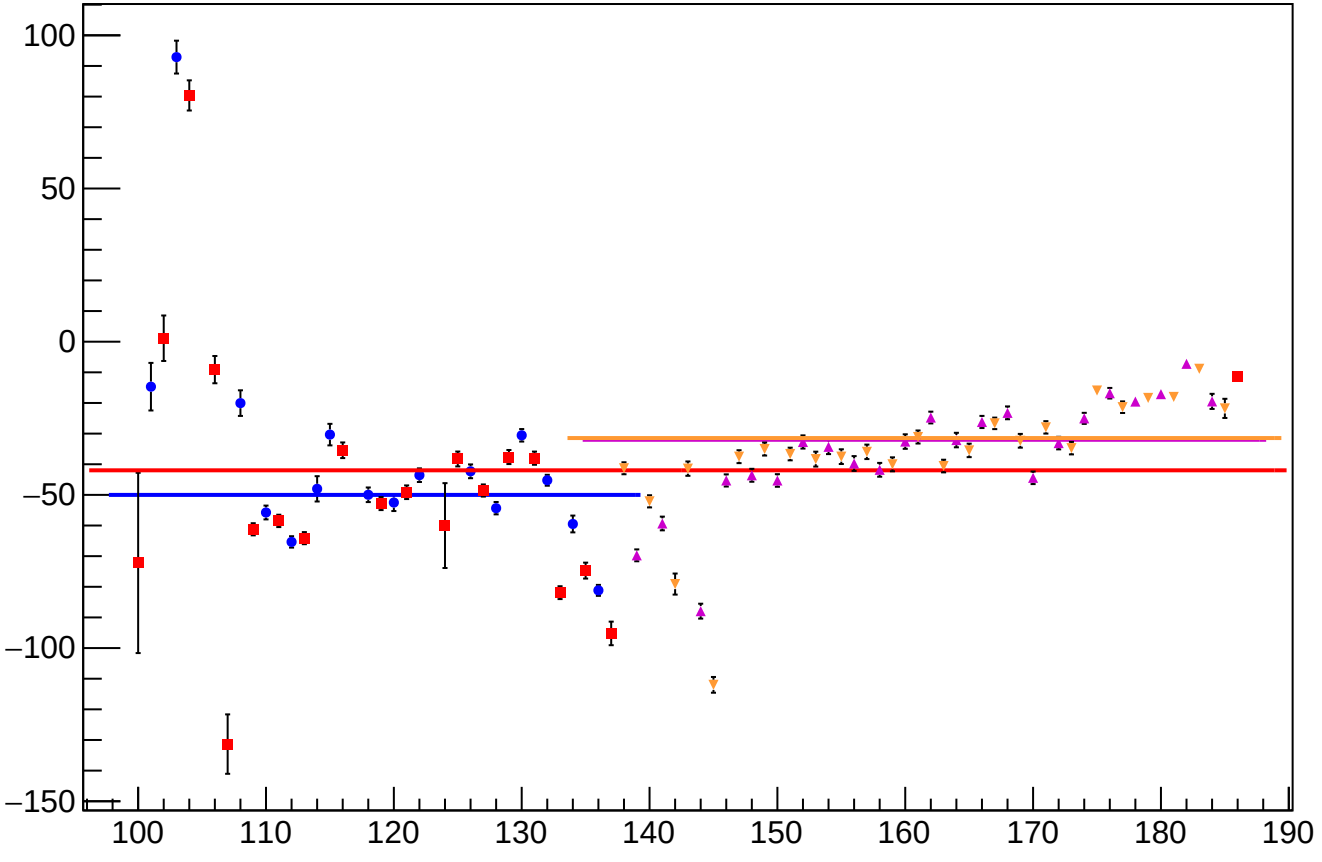
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.358+/-0.035 χ^2/NDF: 93550.2/40

All: 115.228+/-0.025 χ^2/NDF: 193398.8/83

- sign 114.099+/-0.035 χ^2/NDF: 97736.9/42

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -41.982+/-0.524 χ^2/NDF: 2712.8/19

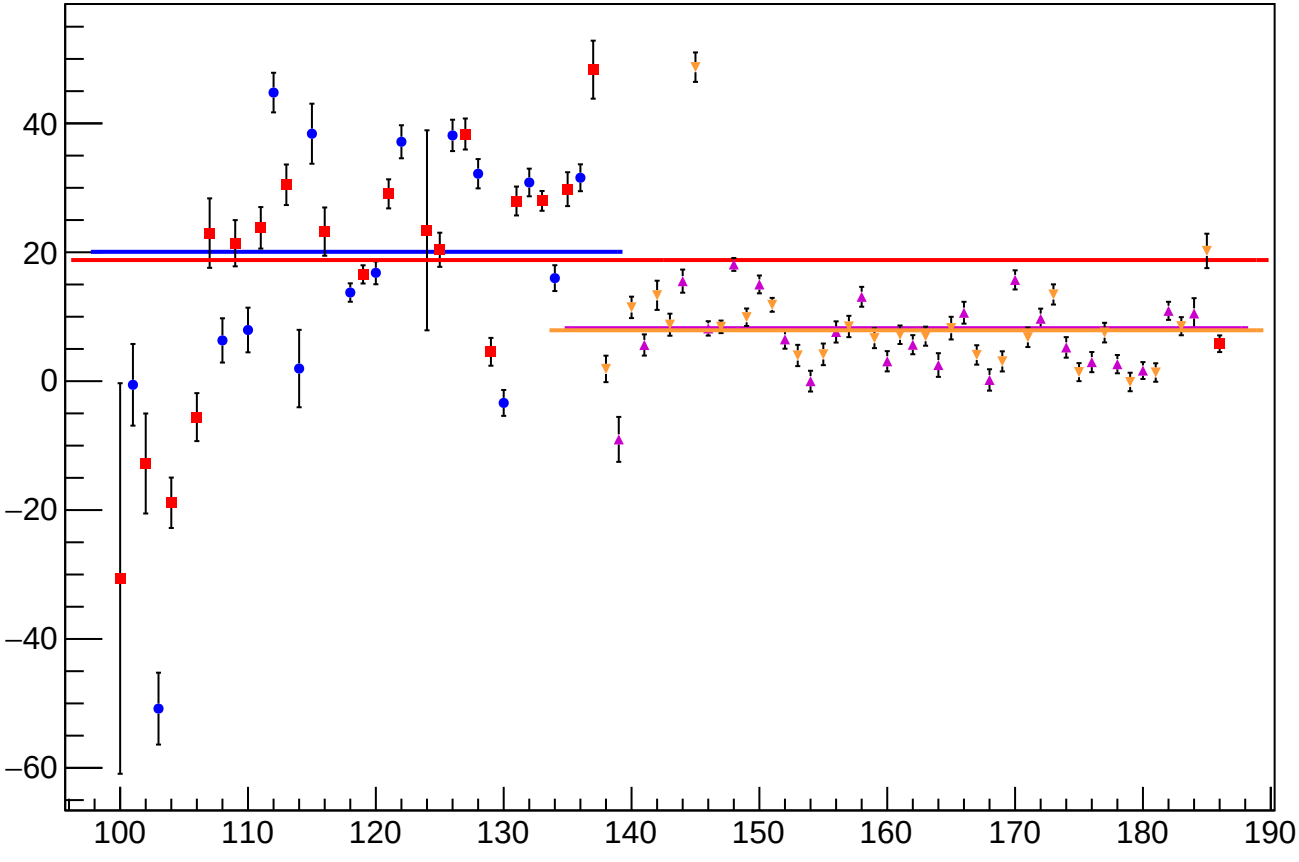
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

\+ sign -37.011+/-0.334 χ^2/NDF: 3967.8/40

All: -36.379+/-0.232 χ^2/NDF: 8825.8/83

\- sign -35.790+/-0.322 χ^2/NDF: 4851.0/42

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 18.793+/-0.560 χ^2/NDF: 520.6/19

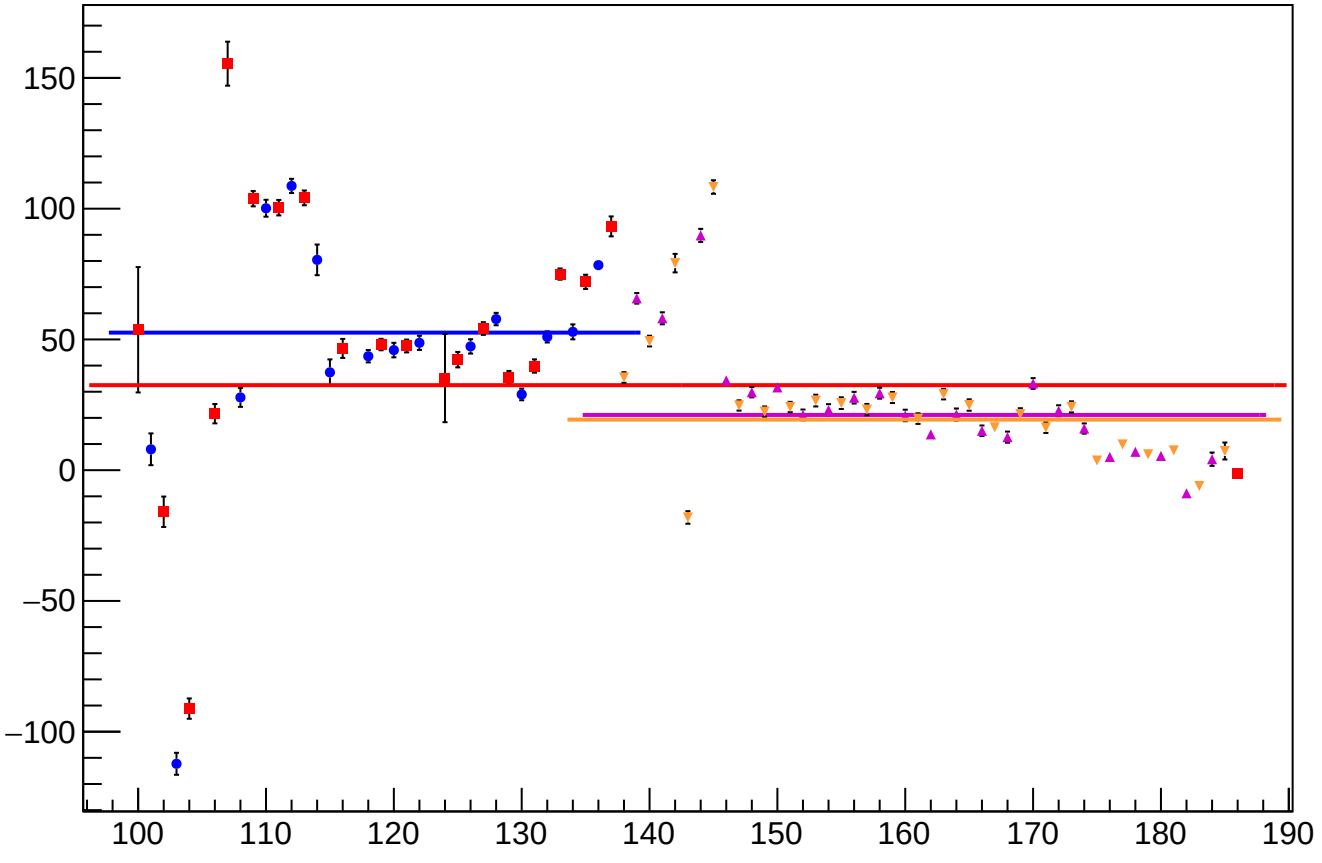
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

\+ sign 10.305+/-0.272 χ^2/NDF: 1444.3/40

All: 10.534+/-0.193 χ^2/NDF: 2575.2/83

\- sign 10.766+/-0.275 χ^2/NDF: 1129.5/42

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 32.512+/-0.539 χ^2/NDF: 5750.4/19

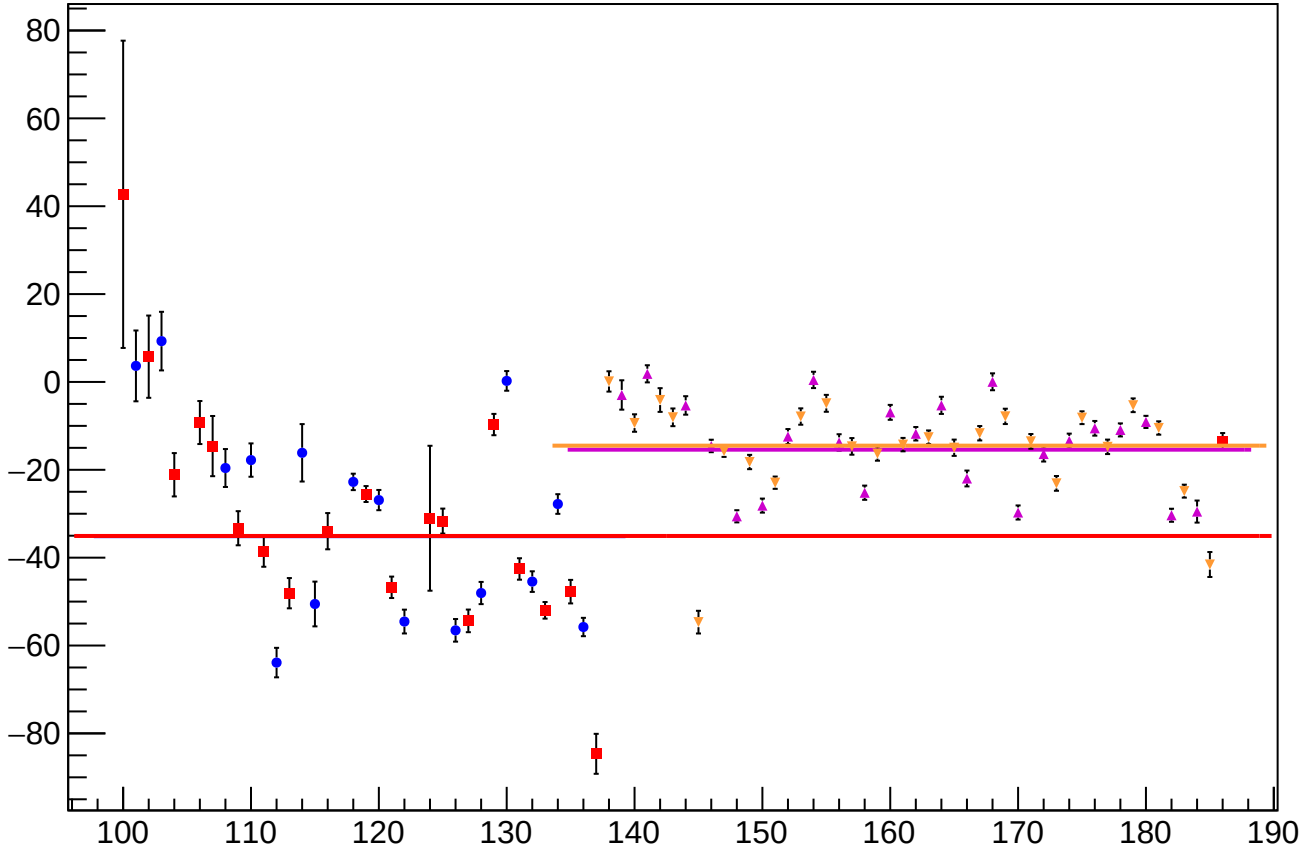
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

\+ sign 27.455+/-0.344 χ^2/NDF: 7067.2/40

All: 26.273+/-0.236 χ^2/NDF: 15629.7/83

\- sign 25.226+/-0.324 χ^2/NDF: 8540.3/42

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -35.061+/-0.668 χ^2/NDF: 661.6/19

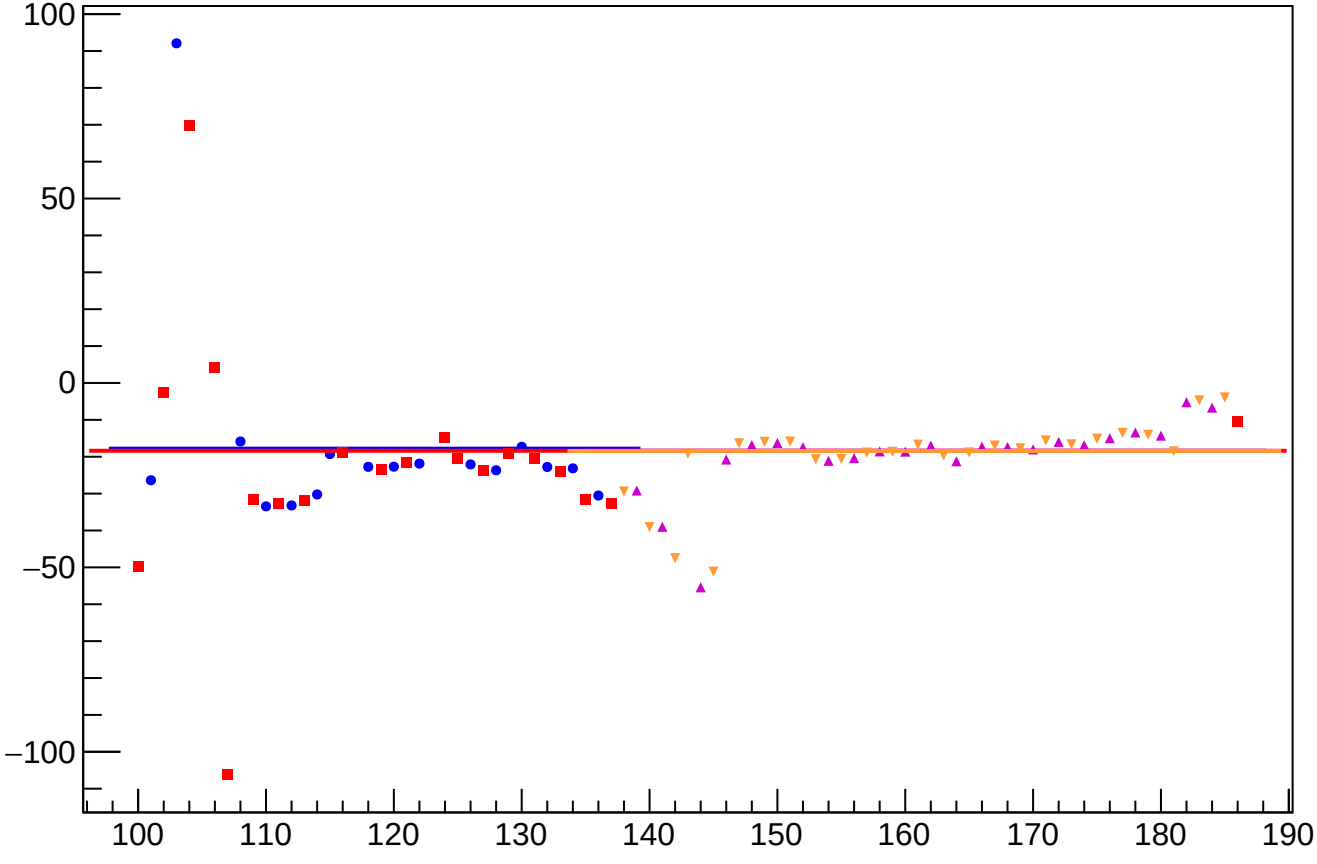
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -18.508+/-0.309 χ^2/NDF: 2111.8/40

All: -19.118+/-0.220 χ^2/NDF: 4253.9/83

- sign -19.748+/-0.314 χ^2/NDF: 2134.2/42

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -18.385+/-0.044 χ^2/NDF: 348535.3/19

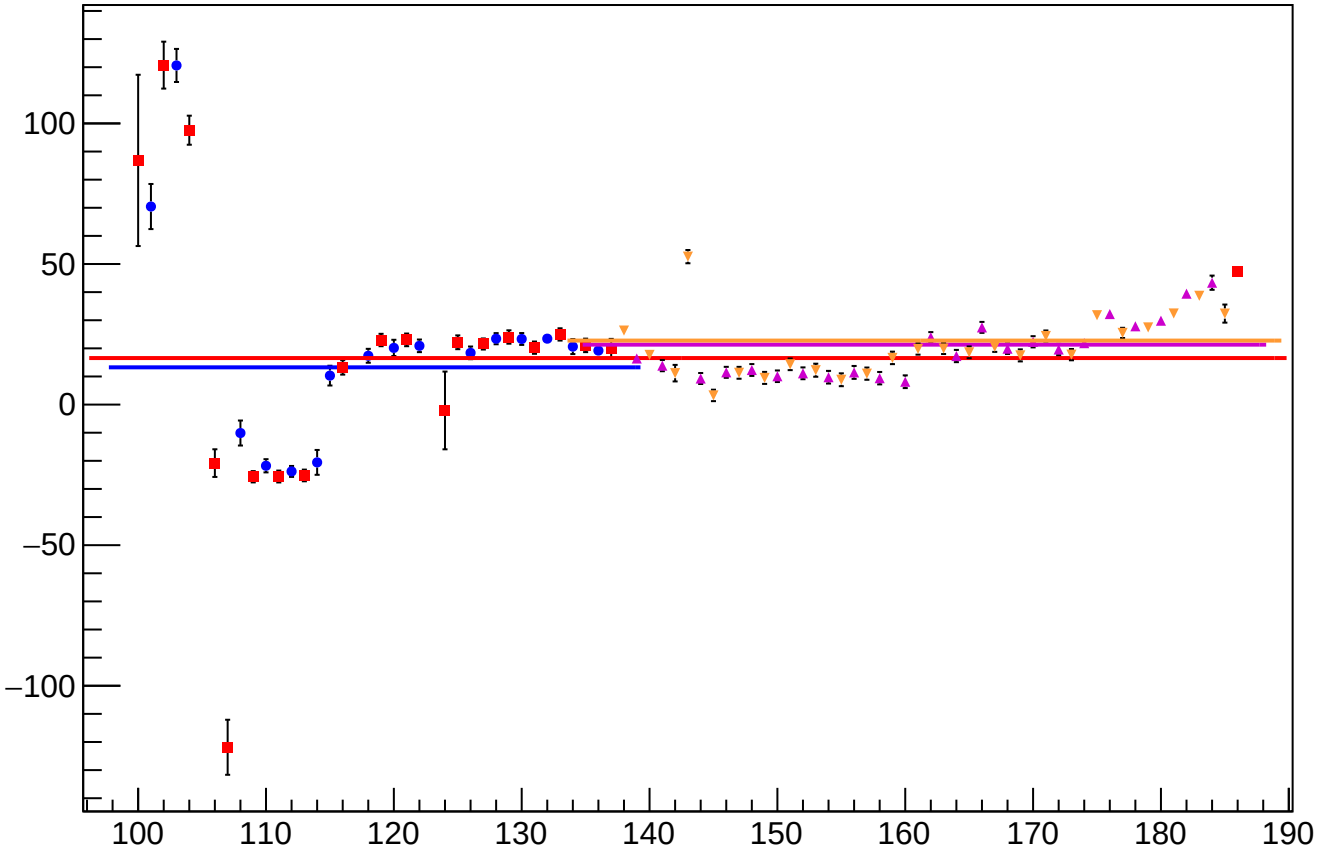
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -18.378+/-0.015 χ^2/NDF: 721654.1/40

All: -18.378+/-0.010 χ^2/NDF: 1320230.4/83

- sign -18.379+/-0.015 χ^2/NDF: 598576.3/42

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 16.552+/-0.555 χ^2/NDF: 2549.8/19

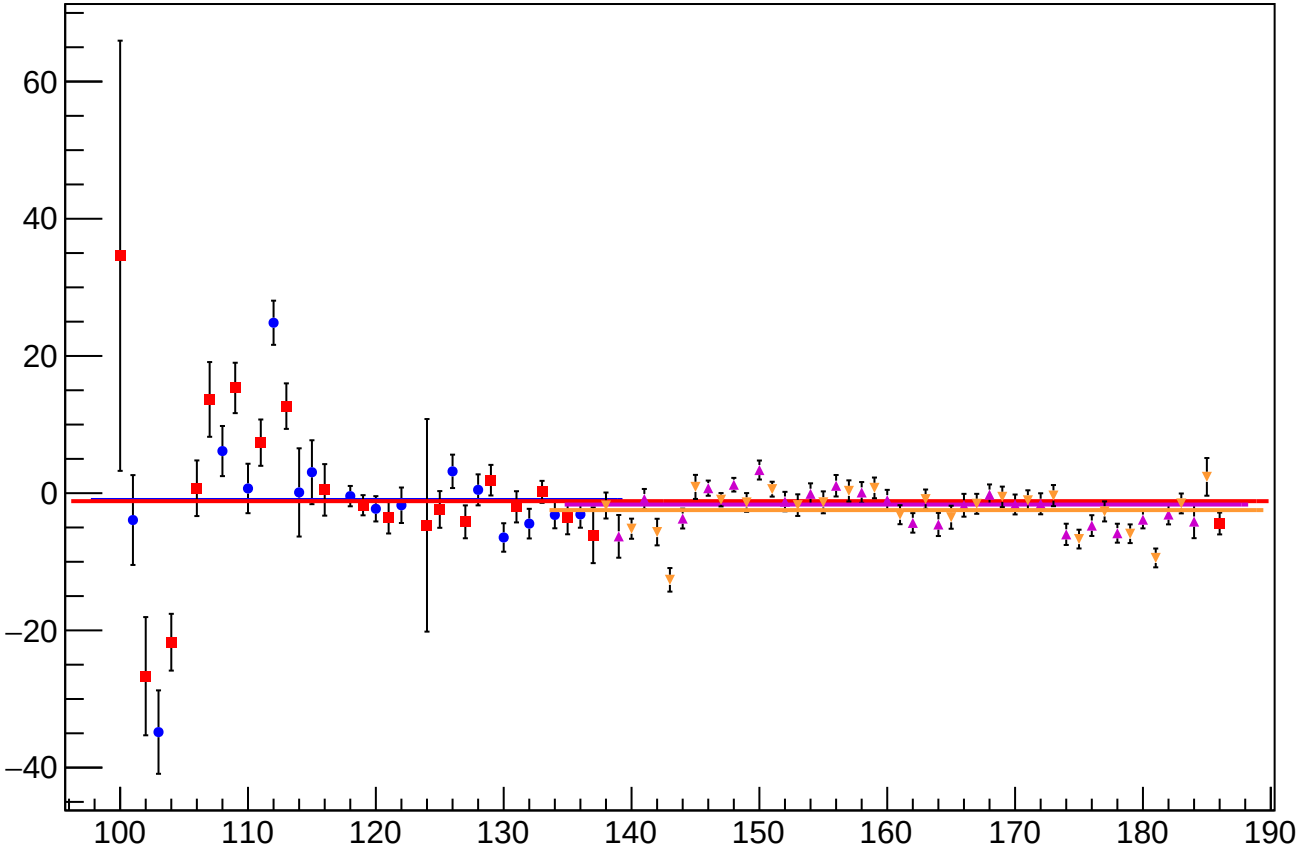
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 20.109+/-0.325 χ^2/NDF: 2078.0/40

All: 19.917+/-0.228 χ^2/NDF: 5307.7/83

- sign 19.730+/-0.321 χ^2/NDF: 3229.0/42

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.163+/-0.590 χ^2/NDF: 99.1/19

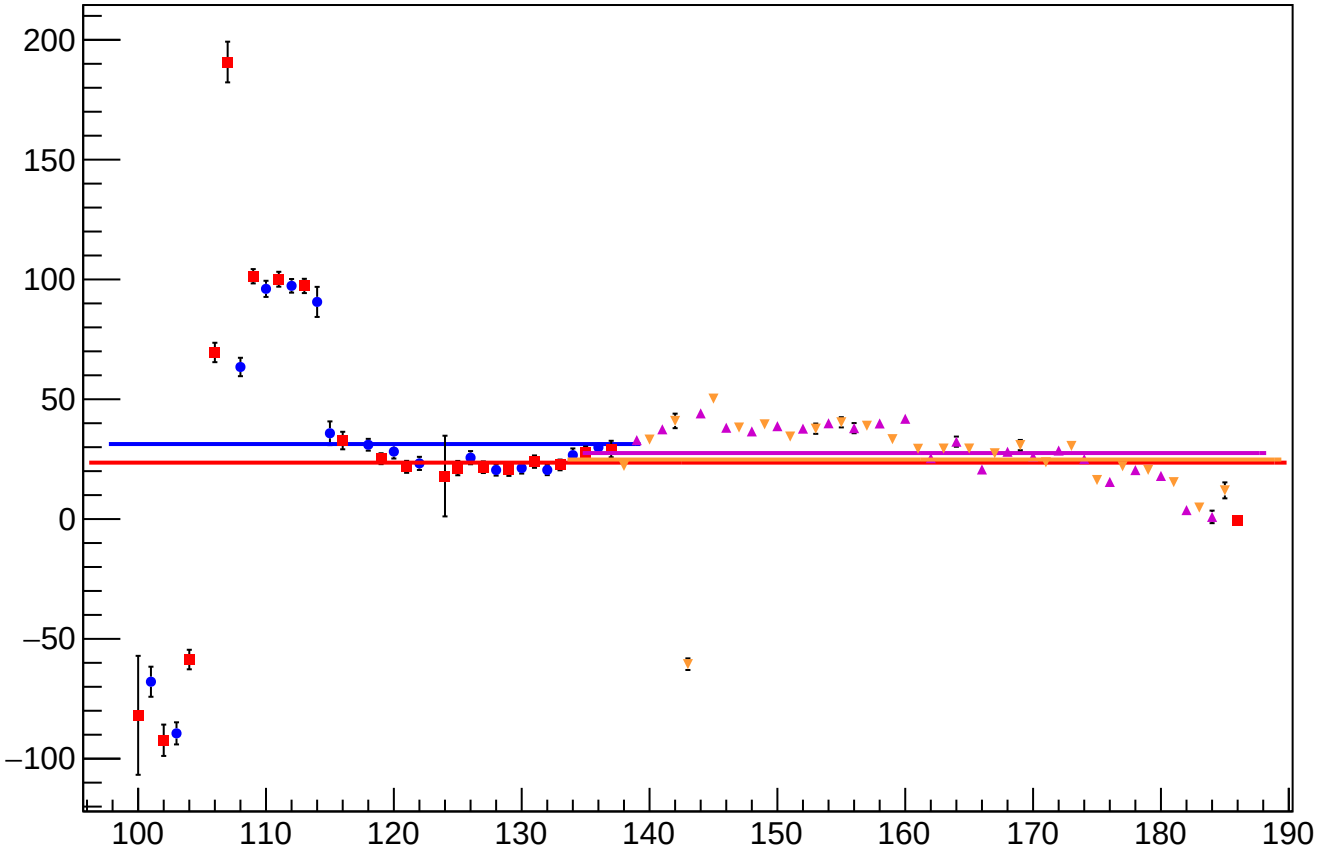
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.198+/-0.265 χ^2/NDF: 237.7/40

All: -1.883+/-0.189 χ^2/NDF: 410.4/83

- sign -1.555+/-0.270 χ^2/NDF: 169.9/42

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 23.549+/-0.588 χ^2/NDF: 3725.0/19

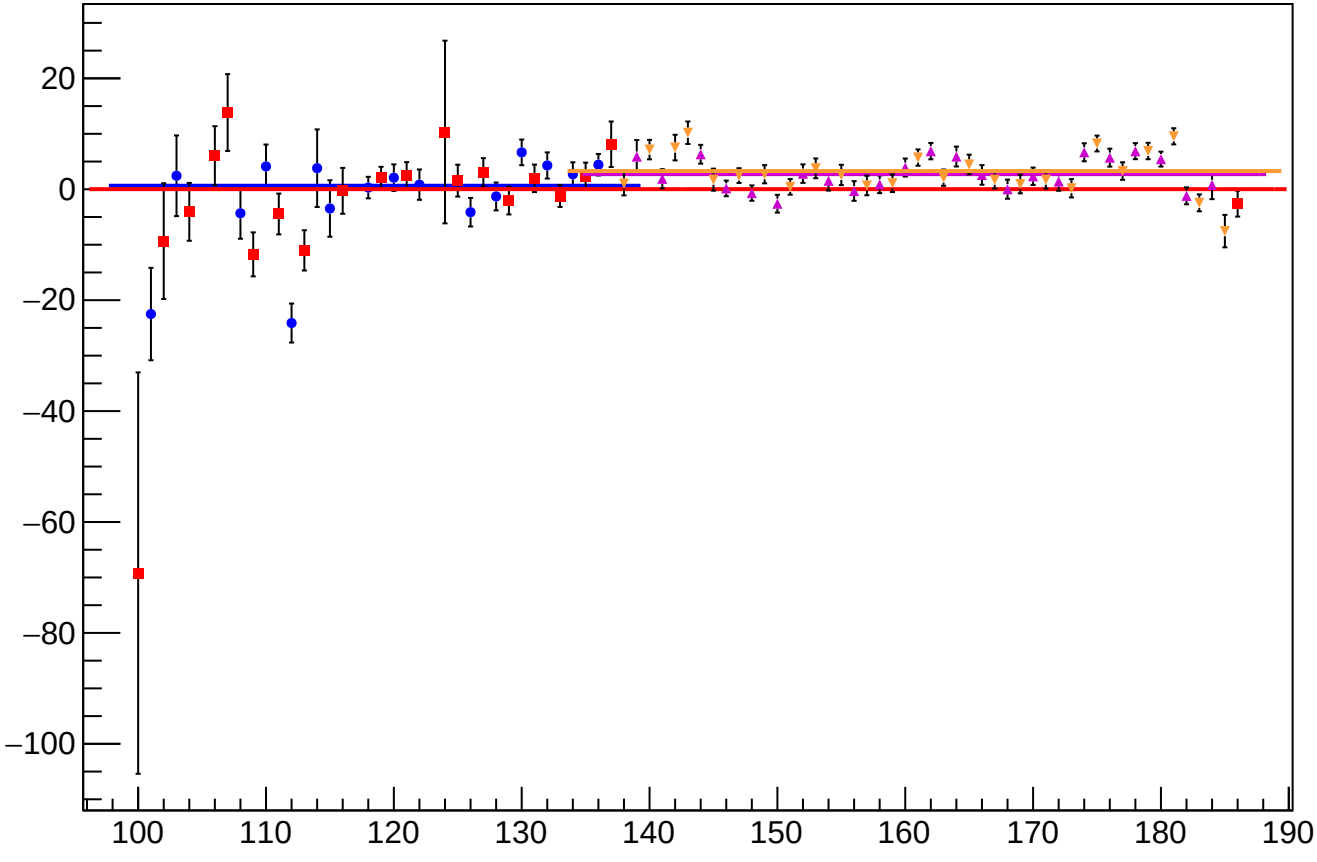
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 26.318+/-0.334 χ^2/NDF: 4200.4/40

All: 26.326+/-0.233 χ^2/NDF: 8839.5/83

- sign 26.333+/-0.324 χ^2/NDF: 4639.1/42

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: 0.021+/-0.693 χ^2/NDF: 41.8/19

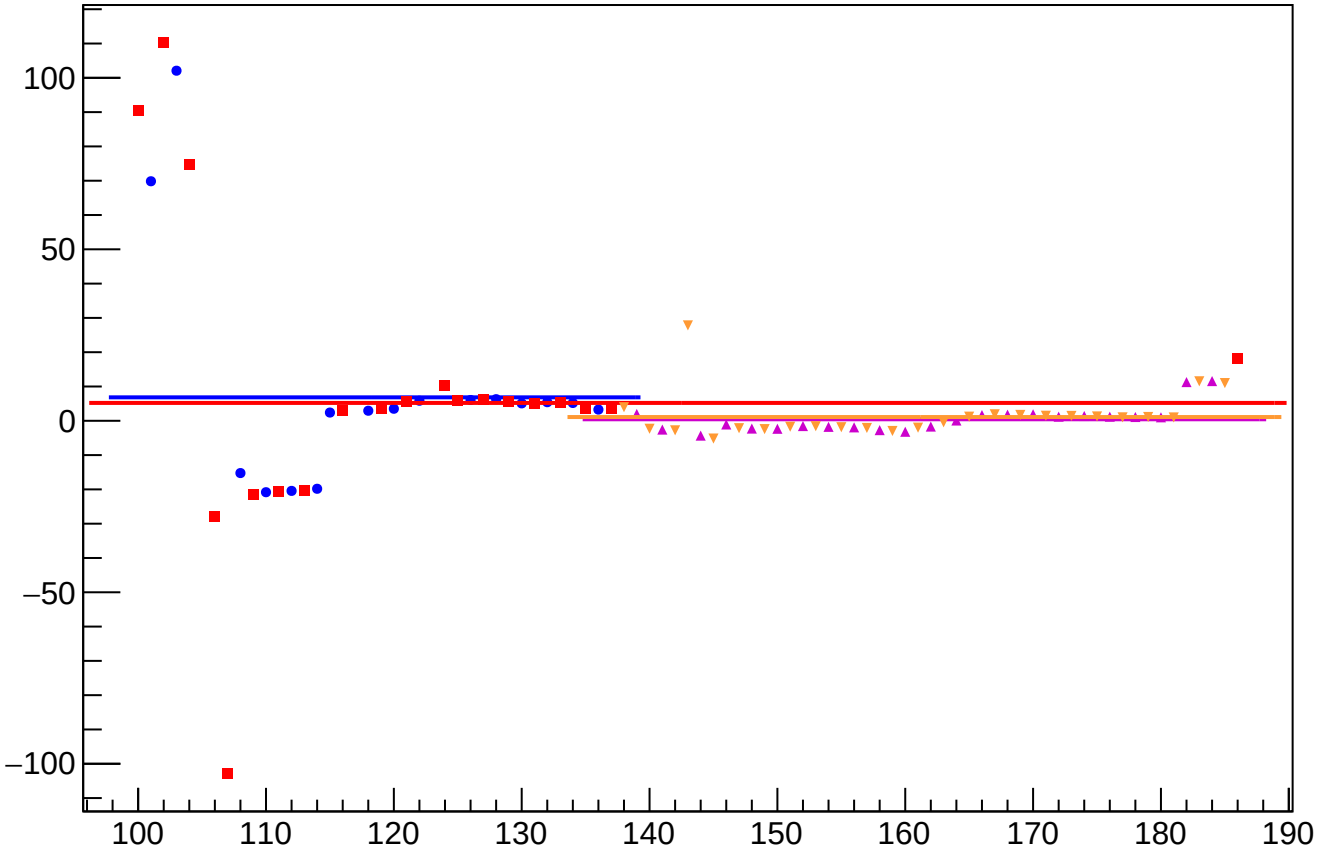
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.806+/-0.300 χ^2/NDF: 196.3/40

All: 2.510+/-0.214 χ^2/NDF: 326.9/83

- sign 2.199+/-0.307 χ^2/NDF: 128.6/42

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 5.212+/-0.045 χ^2/NDF: 441254.6/19

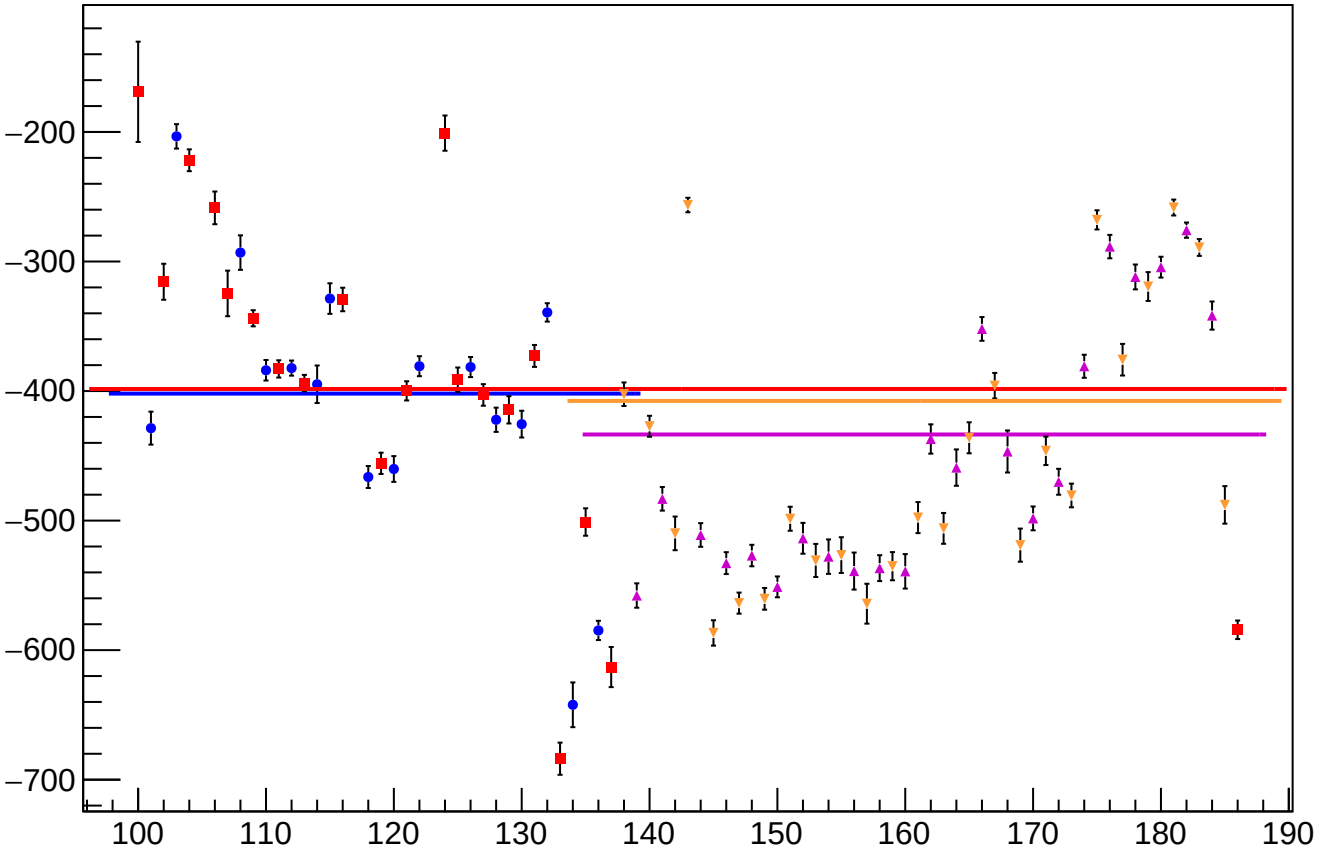
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 1.709+/-0.014 χ^2/NDF: 465804.1/40

All: 1.328+/-0.010 χ^2/NDF: 972274.5/83

- sign 0.933+/-0.014 χ^2/NDF: 504966.1/42

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -398.395+/-2.036 χ^2/NDF: 2554.8/19

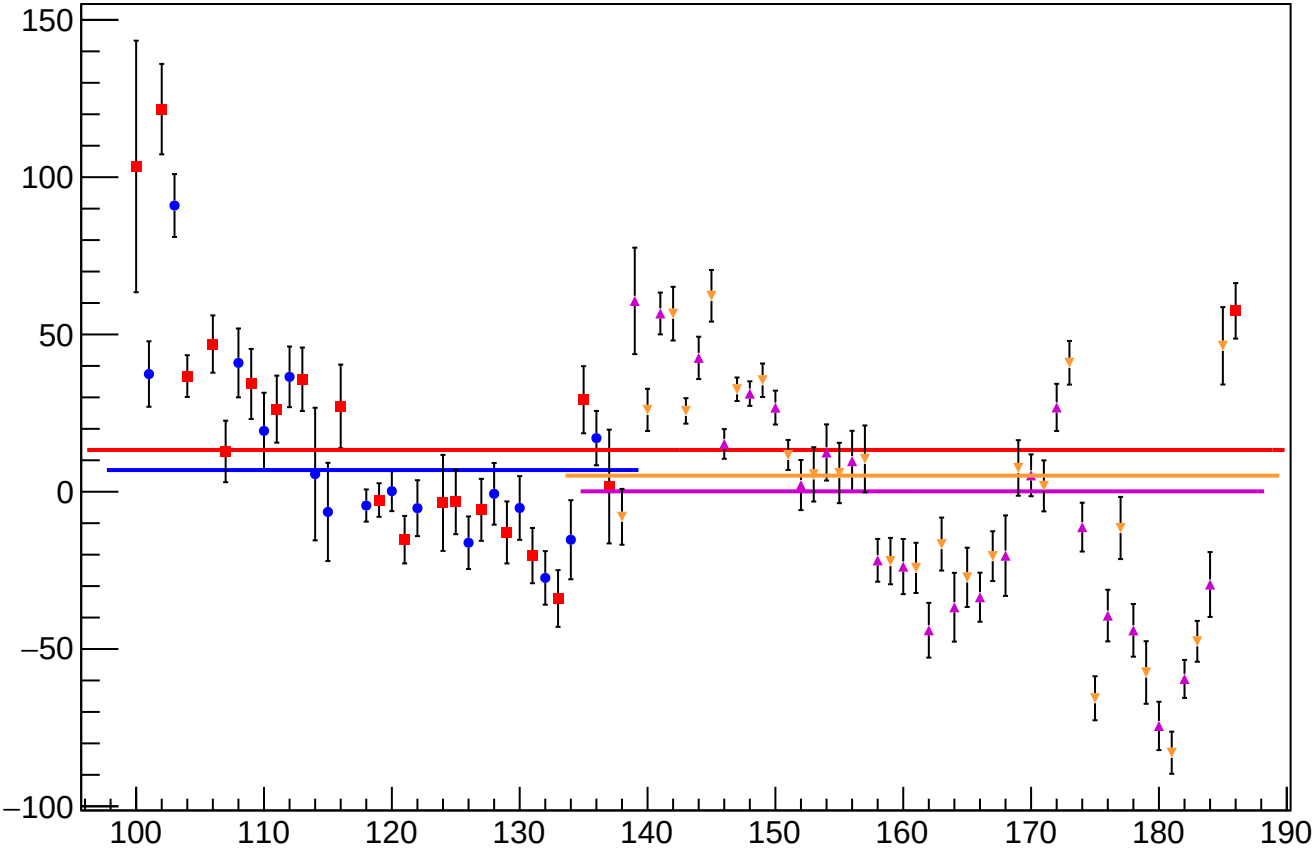
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -405.294+/-1.434 χ^2/NDF: 5572.7/40

All: -410.851+/-1.010 χ^2/NDF: 11033.9/83

- sign -416.338+/-1.424 χ^2/NDF: 5431.4/42

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 13.280+/-2.132 χ^2/NDF: 206.7/19

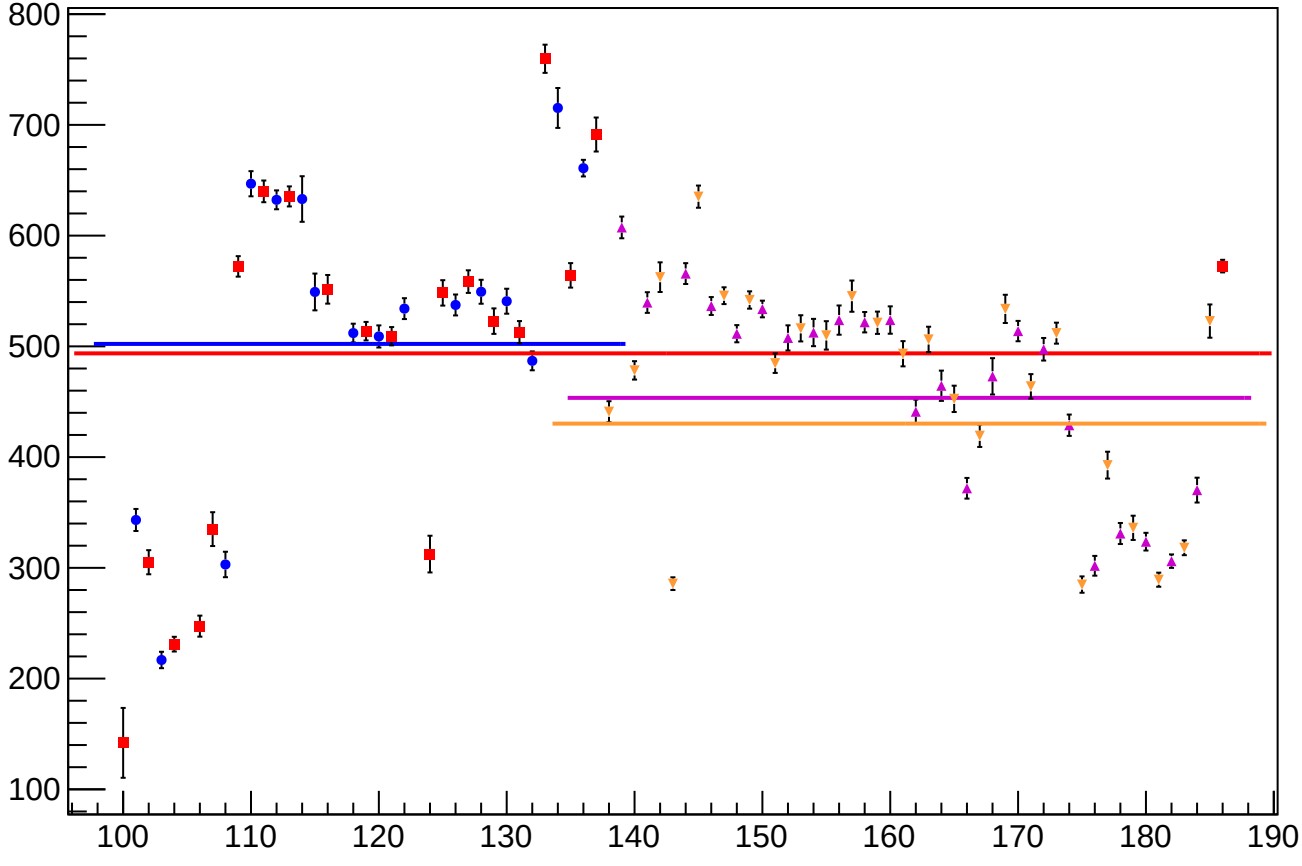
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 5.602+/-1.177 χ^2/NDF: 828.1/40

All: 5.041+/-0.848 χ^2/NDF: 1629.3/83

- sign 4.438+/-1.221 χ^2/NDF: 800.8/42

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 493.679+/-2.211 χ^2/NDF: 4364.2/19

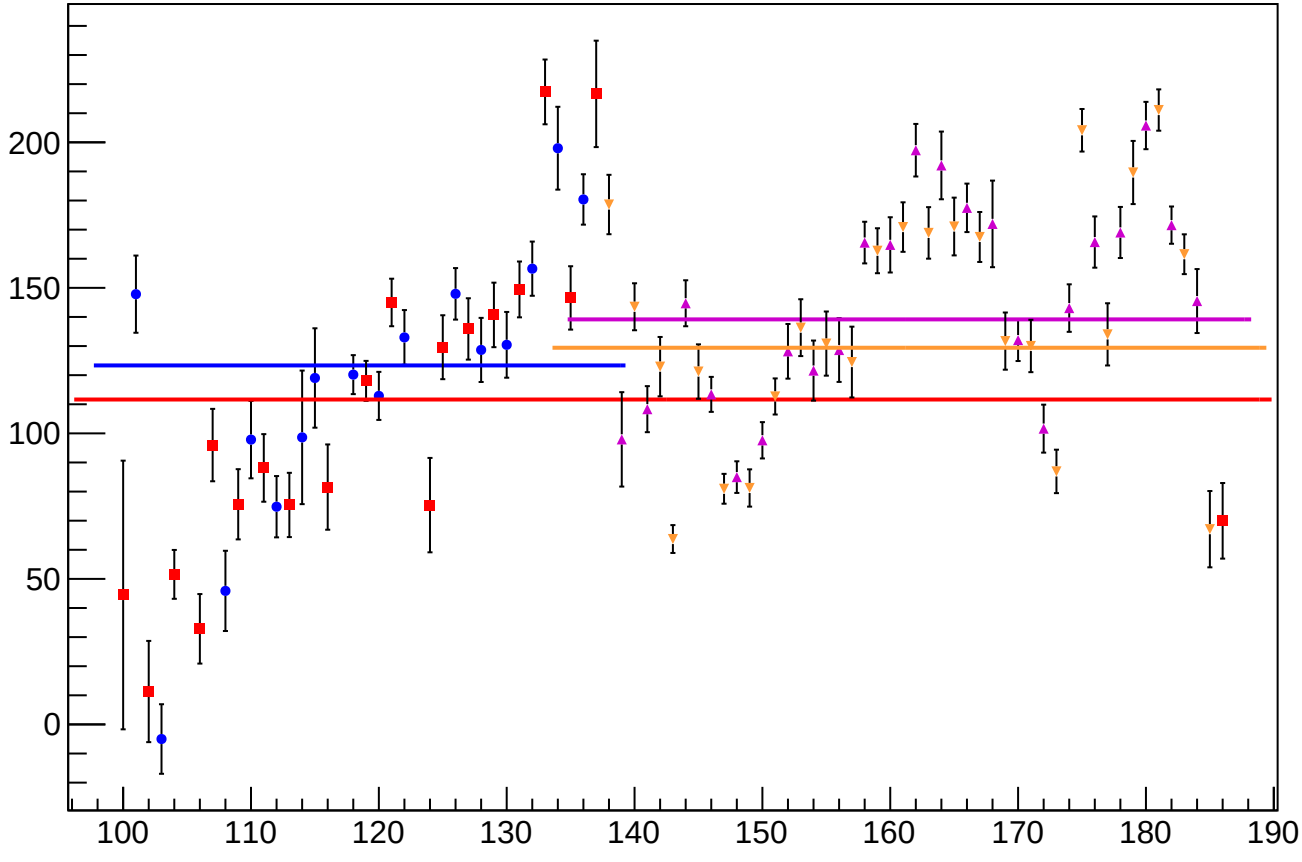
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 455.997+/-1.491 χ^2/NDF: 7075.5/40

All: 463.755+/-1.048 χ^2/NDF: 14096.7/83

- sign 471.318+/-1.472 χ^2/NDF: 6967.7/42

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 111.635+/-2.497 χ^2/NDF: 356.4/19

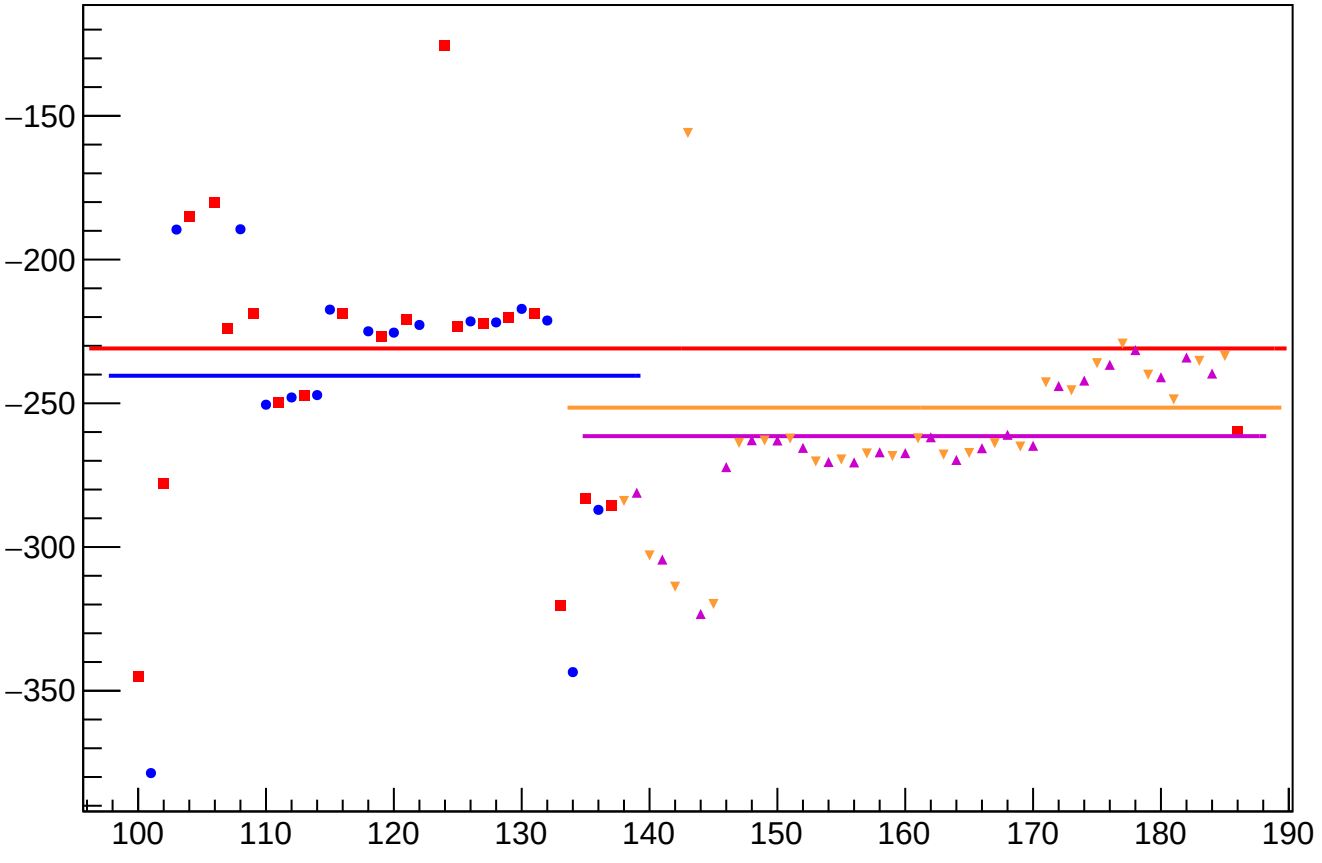
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 127.786+/-1.362 χ^2/NDF: 1089.5/40

All: 129.055+/-0.979 χ^2/NDF: 1964.8/83

- sign 130.412+/-1.408 χ^2/NDF: 873.5/42

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -230.922+/-0.145 χ^2/NDF: 84416.5/19

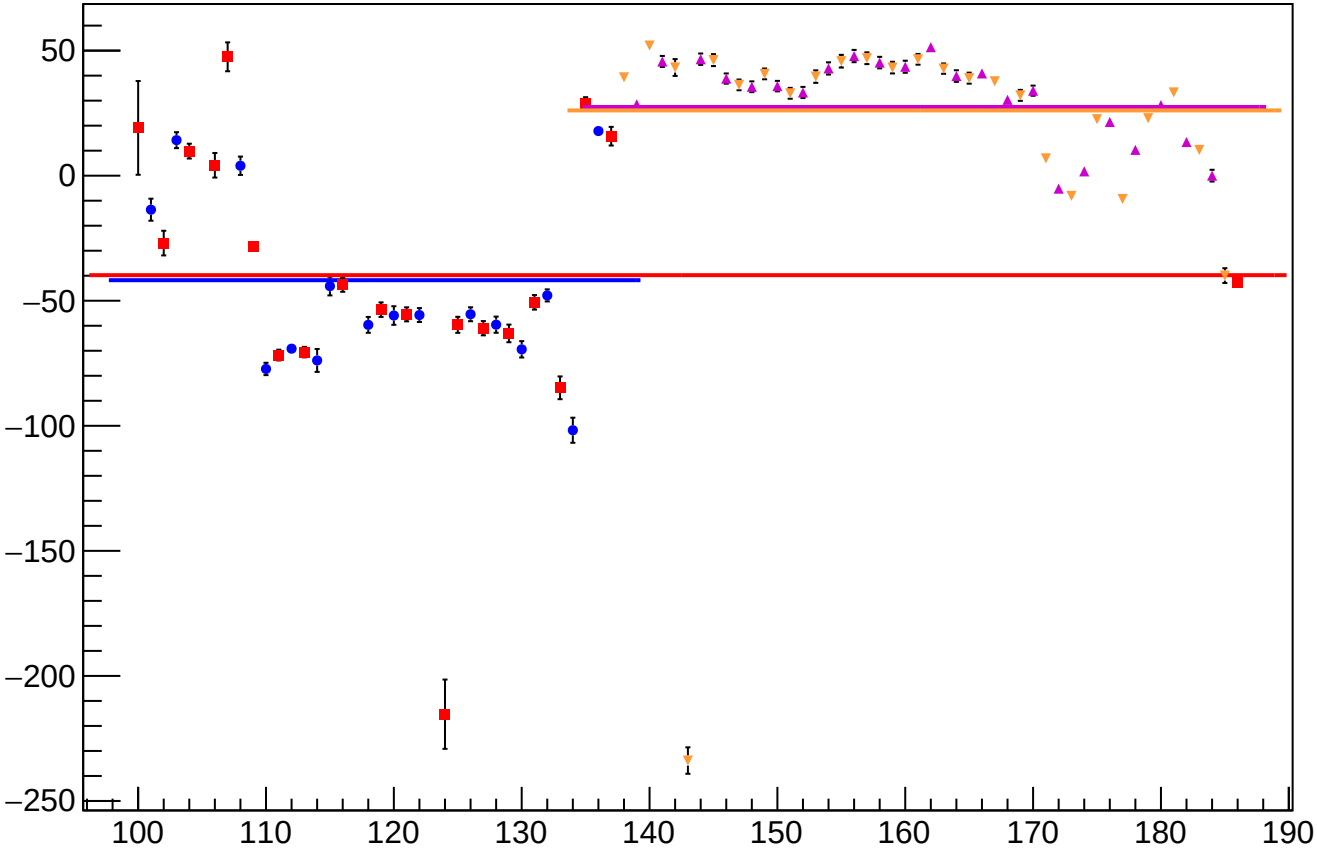
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -249.323+/-0.067 χ^2/NDF: 393435.7/40

All: -251.882+/-0.048 χ^2/NDF: 584870.2/83

- sign -254.575+/-0.069 χ^2/NDF: 188426.1/42

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -39.777+/-0.630 χ^2/NDF: 2482.3/19

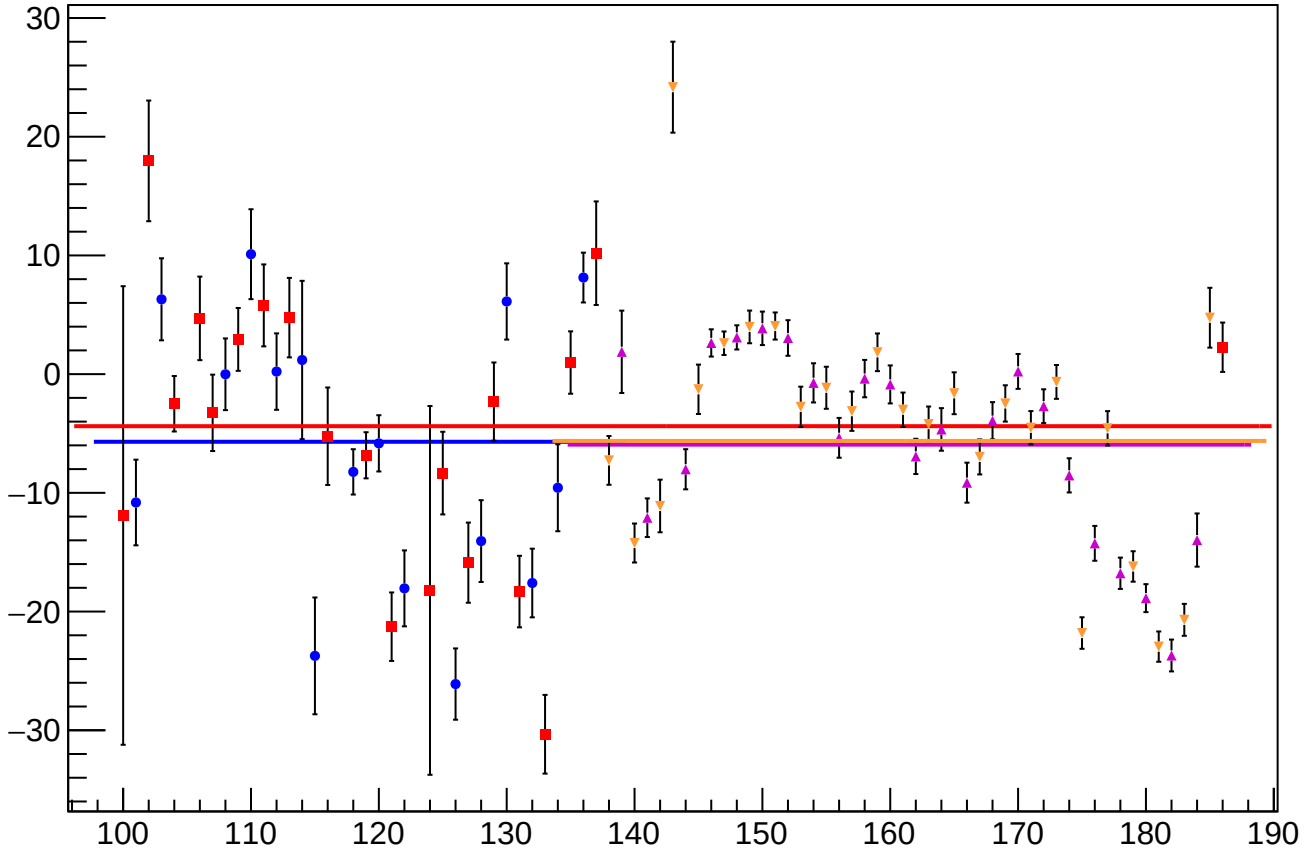
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 10.812+/-0.343 χ^2/NDF: 14018.1/40

All: 9.590+/-0.240 χ^2/NDF: 26307.9/83

- sign 8.425+/-0.335 χ^2/NDF: 12265.1/42

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -4.384+/-0.697 χ^2/NDF: 208.9/19

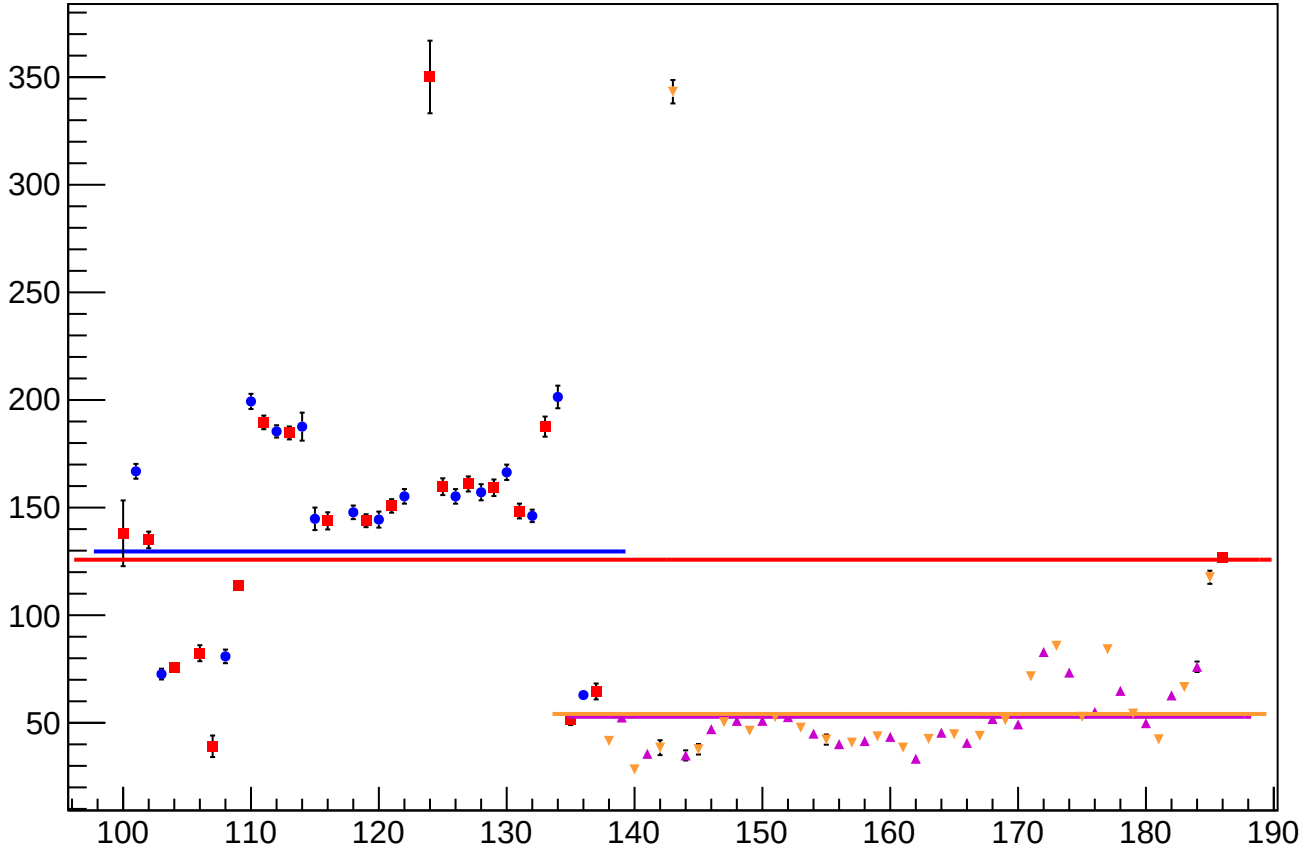
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -5.635+/-0.280 χ^2/NDF: 1090.0/40

All: -5.660+/-0.199 χ^2/NDF: 2015.3/83

- sign -5.684+/-0.283 χ^2/NDF: 925.3/42

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 125.796+/-0.681 χ^2/NDF: 3504.0/19

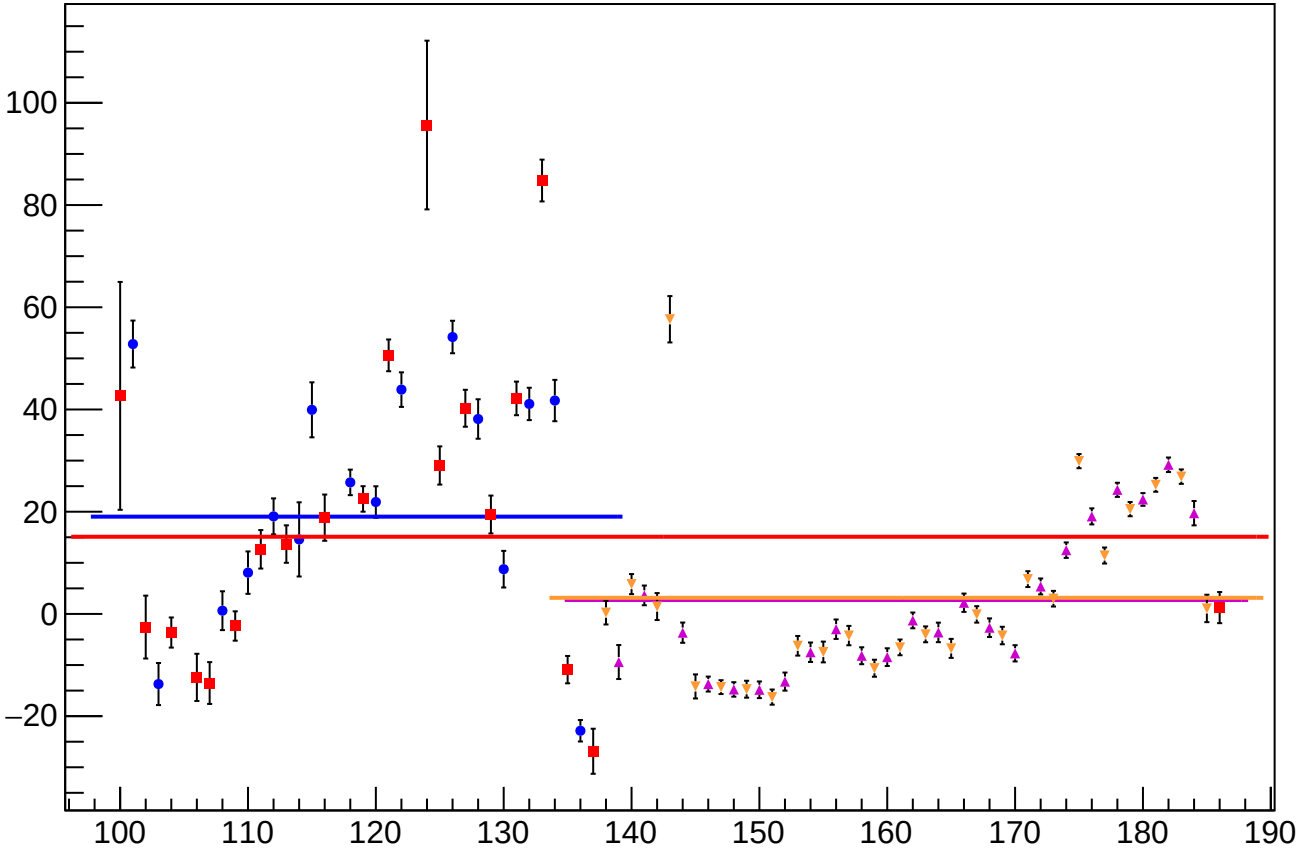
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 68.439+/-0.349 χ^2/NDF: 15422.4/40

All: 69.761+/-0.243 χ^2/NDF: 28563.1/83

- sign 71.020+/-0.340 χ^2/NDF: 13112.6/42

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 15.103+/-0.815 χ^2/NDF: 963.6/19

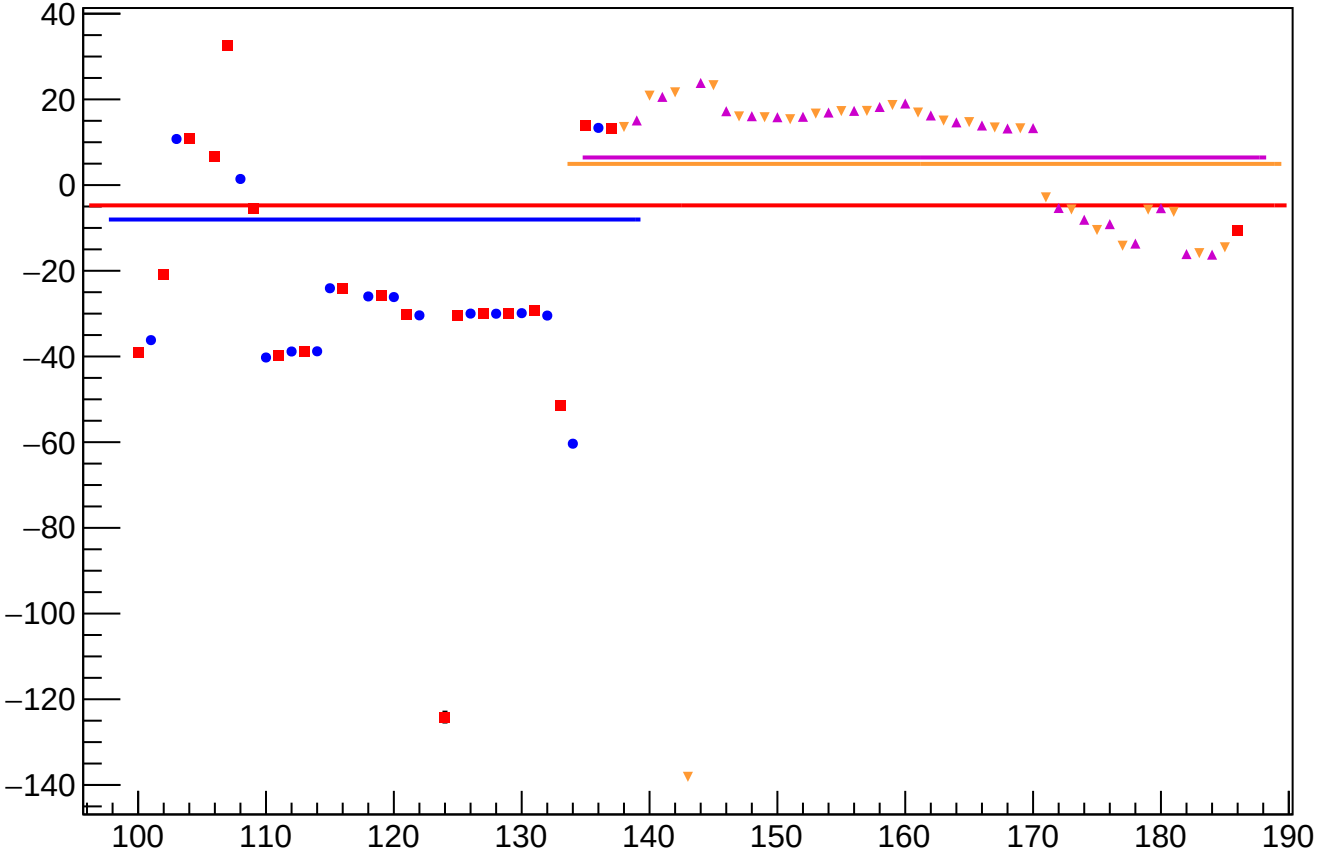
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

\+ sign 5.301+/-0.316 χ^2/NDF: 3165.4/40

All: 4.963+/-0.225 χ^2/NDF: 6061.9/83

\- sign 4.619+/-0.319 χ^2/NDF: 2894.1/42

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -4.736+/-0.046 χ^2/NDF: 229189.0/19

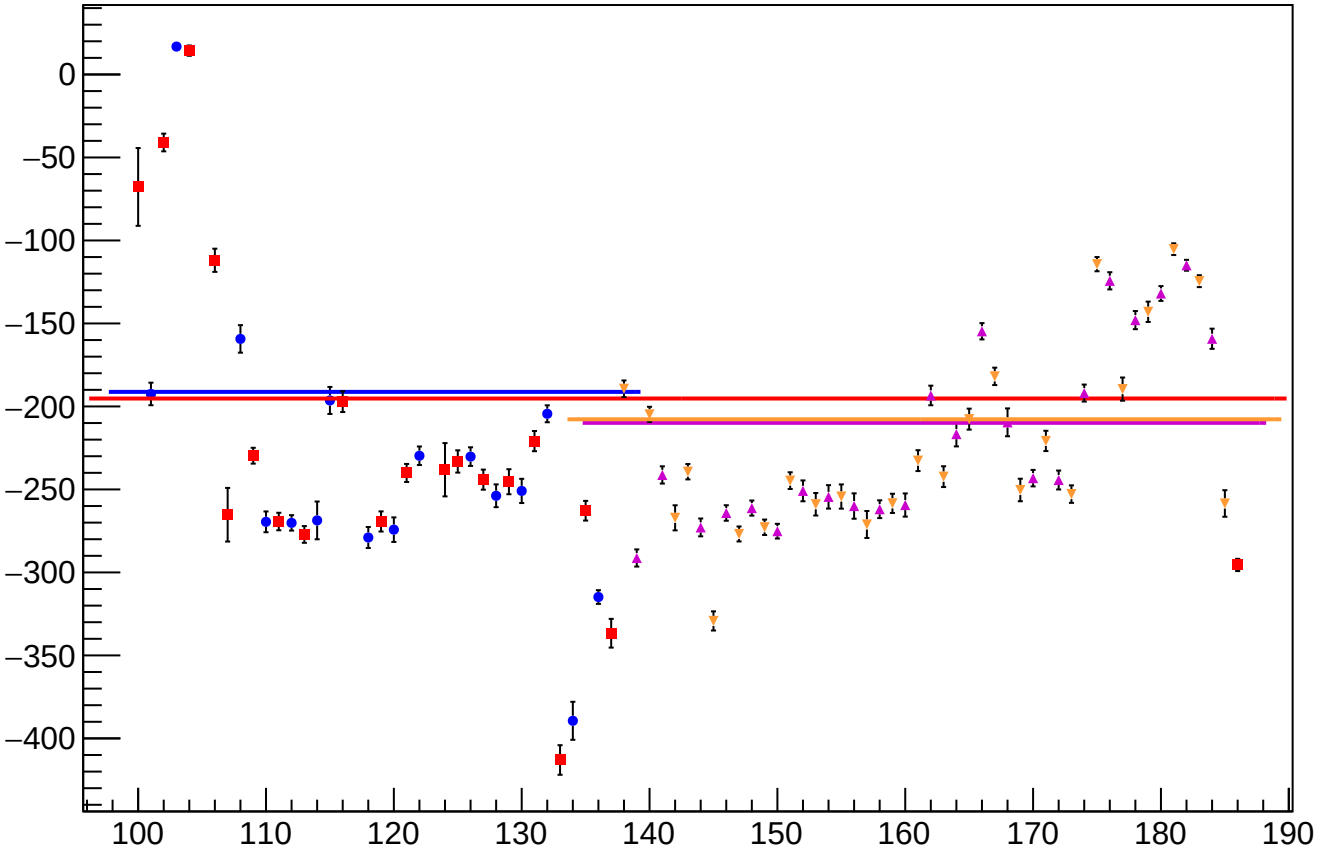
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 3.656+/-0.014 χ^2/NDF: 1476684.1/40

All: 4.479+/-0.010 χ^2/NDF: 2495832.1/83

- sign 5.314+/-0.015 χ^2/NDF: 1012606.9/42

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -195.230+/-1.294 χ^2/NDF: 8221.0/19

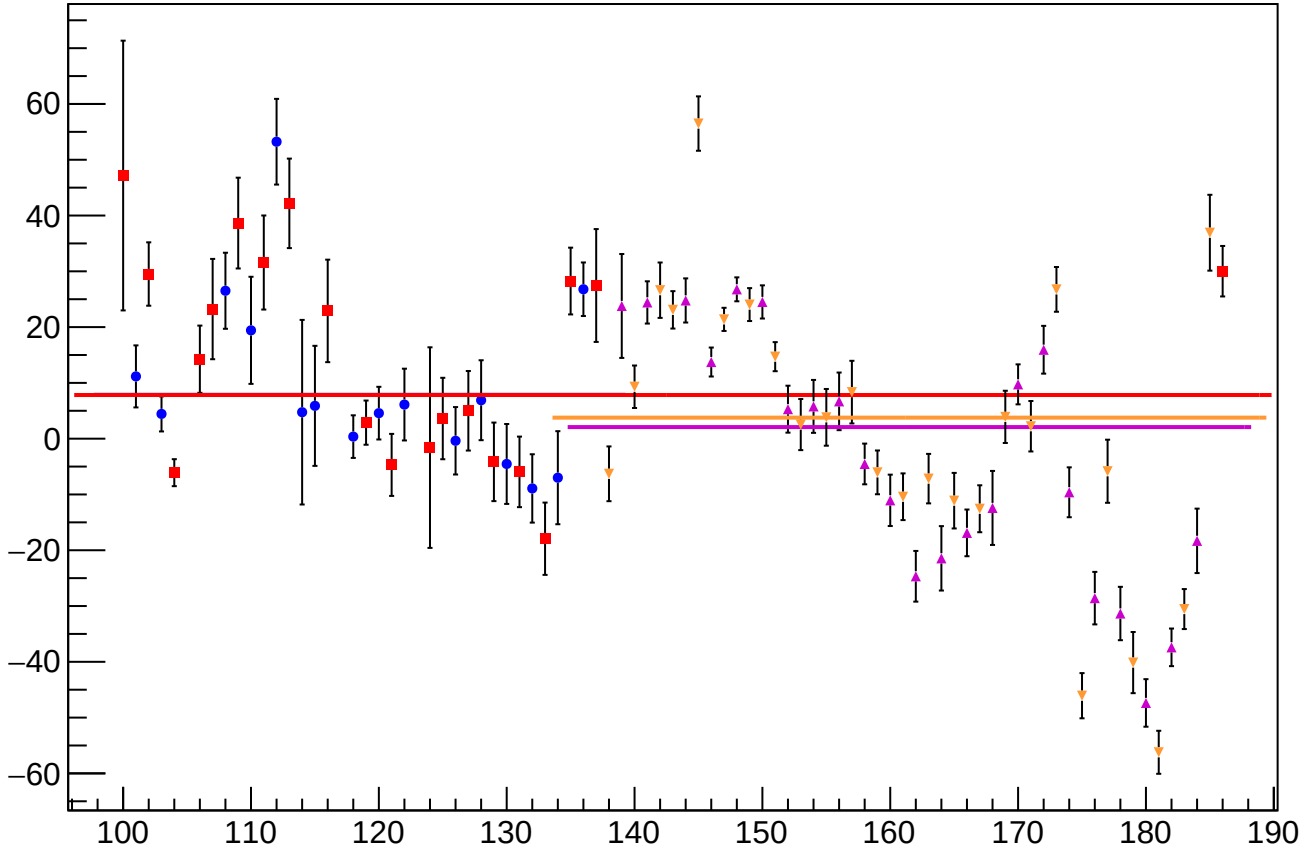
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -201.756+/-0.854 χ^2/NDF: 10798.3/40

All: -202.758+/-0.598 χ^2/NDF: 22108.2/83

- sign -203.724+/-0.839 χ^2/NDF: 11307.2/42

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 7.828+/-1.298 χ^2/NDF: 168.0/19

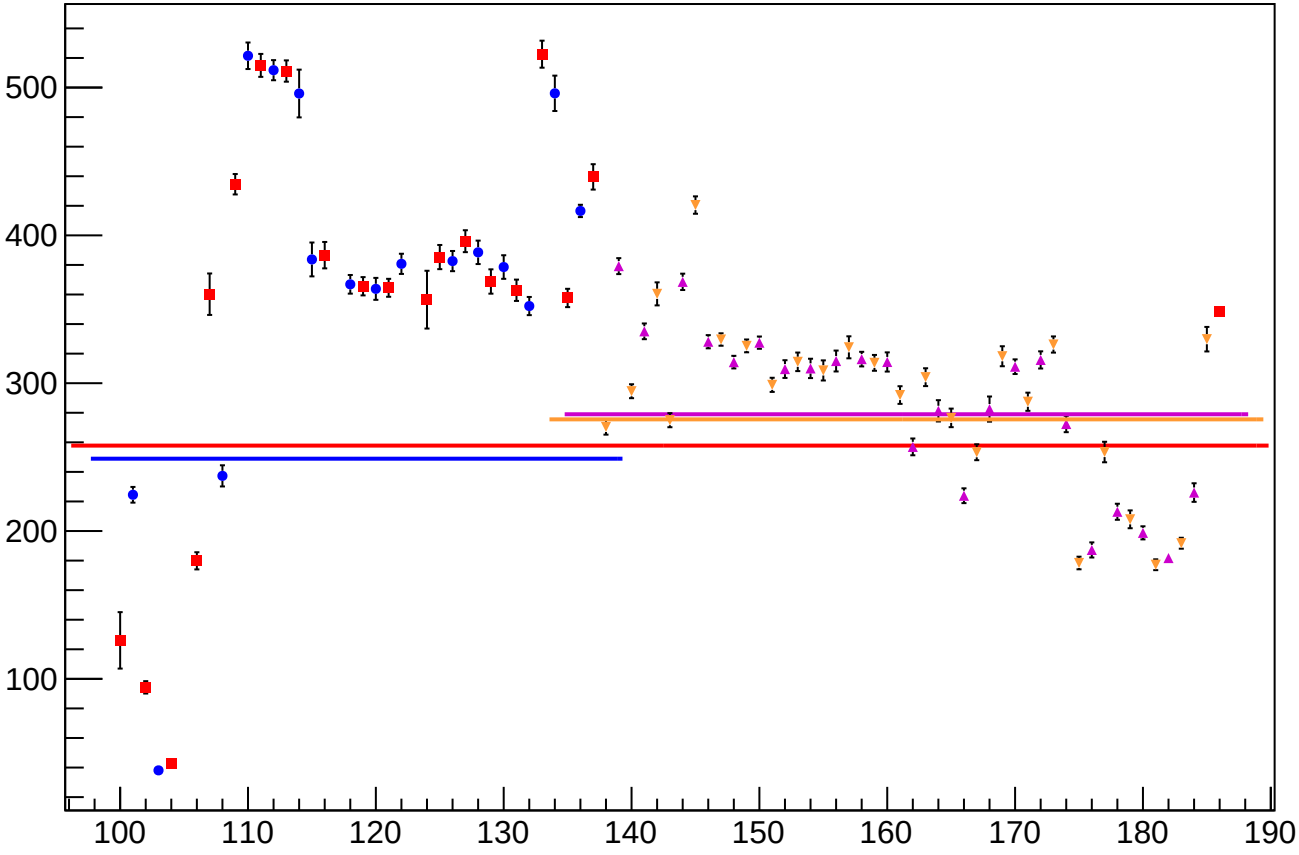
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

+ sign 4.713+/-0.691 χ^2/NDF: 1059.2/40

All: 4.217+/-0.489 χ^2/NDF: 2012.5/83

- sign 3.718+/-0.693 χ^2/NDF: 952.2/42

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 257.789+/-1.268 χ^2/NDF: 16839.9/19

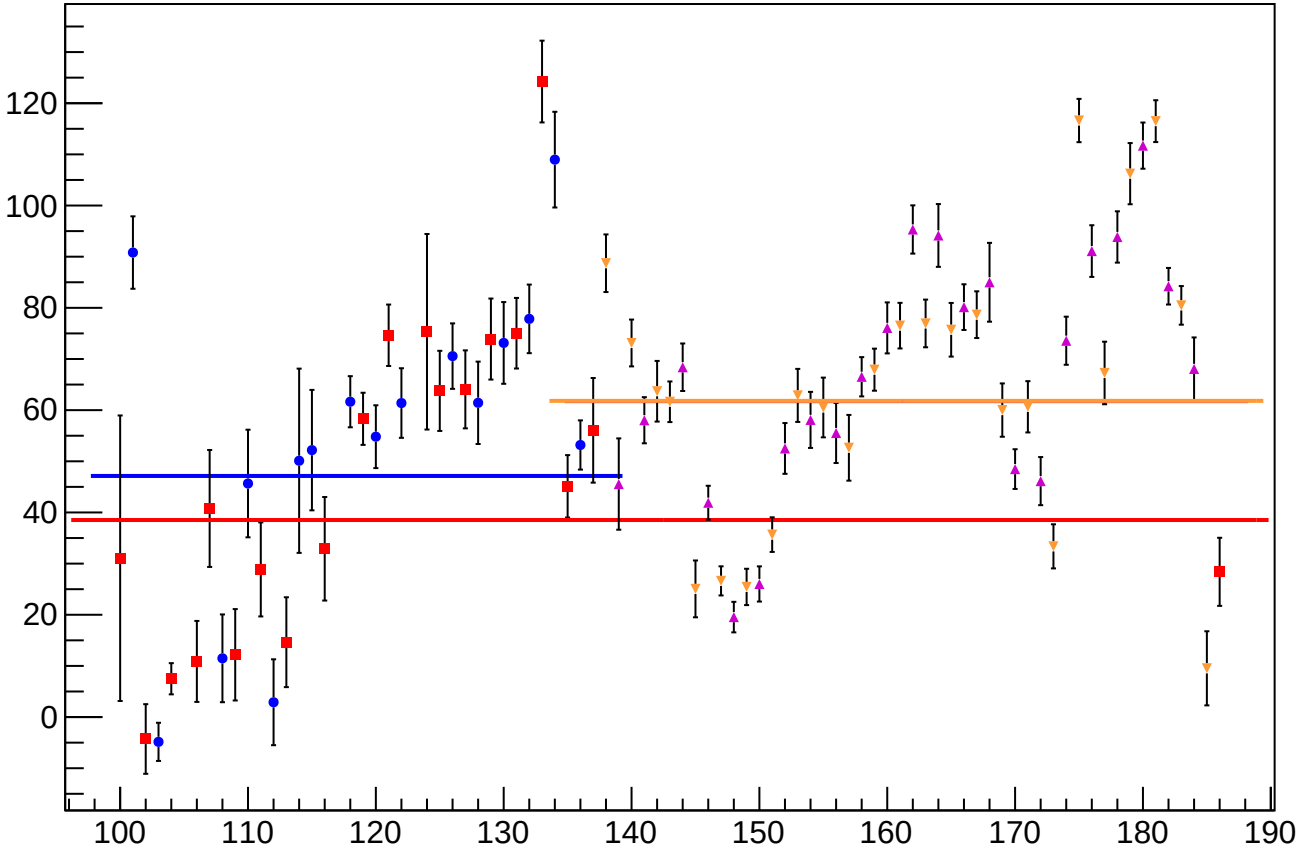
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 266.008+/-0.851 χ^2/NDF: 18850.1/40

All: 268.060+/-0.593 χ^2/NDF: 38976.8/83

- sign 269.994+/-0.826 χ^2/NDF: 20115.4/42

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 38.523+/-1.552 χ^2/NDF: 418.9/19

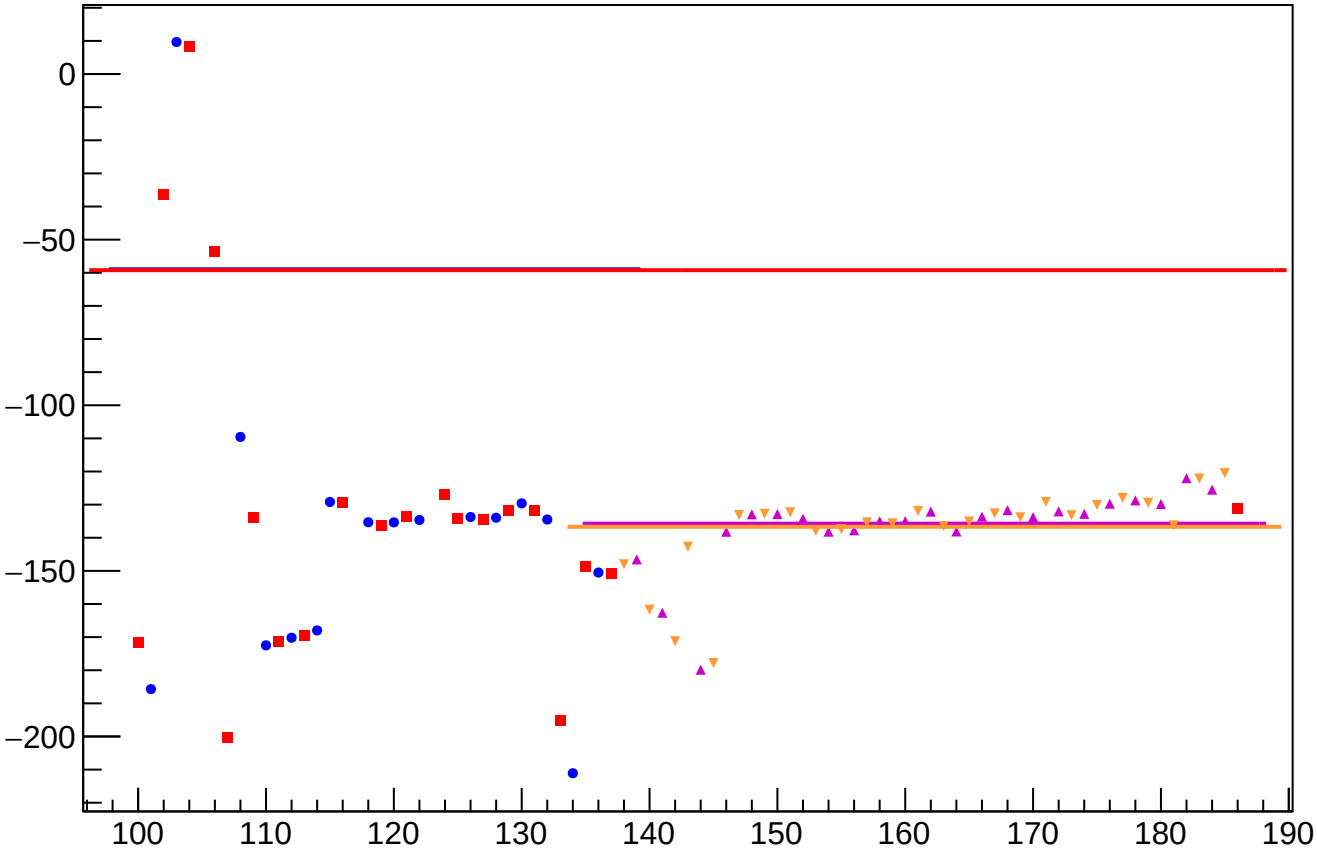
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 58.464+/-0.797 χ^2/NDF: 1404.6/40

All: 57.012+/-0.566 χ^2/NDF: 2730.4/83

- sign 55.538+/-0.803 χ^2/NDF: 1319.1/42

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -59.219+/-0.073 χ^2/NDF: 894323.3/19

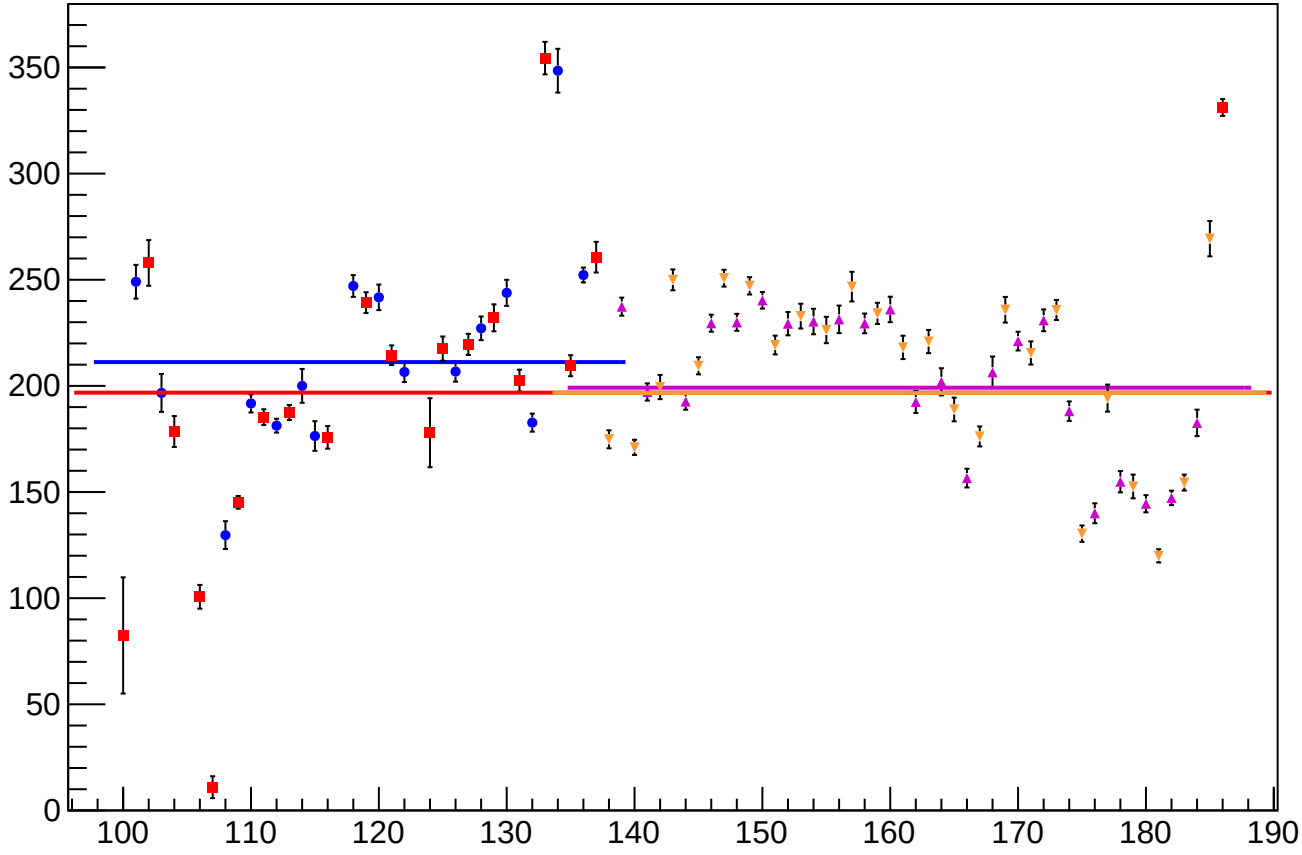
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -117.033+/-0.037 χ^2/NDF: 2162503.0/40

All: -116.681+/-0.026 χ^2/NDF: 3932027.5/83

- sign -116.320+/-0.037 χ^2/NDF: 1769336.6/42

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 196.820+/-1.143 χ^2/NDF: 3795.5/19

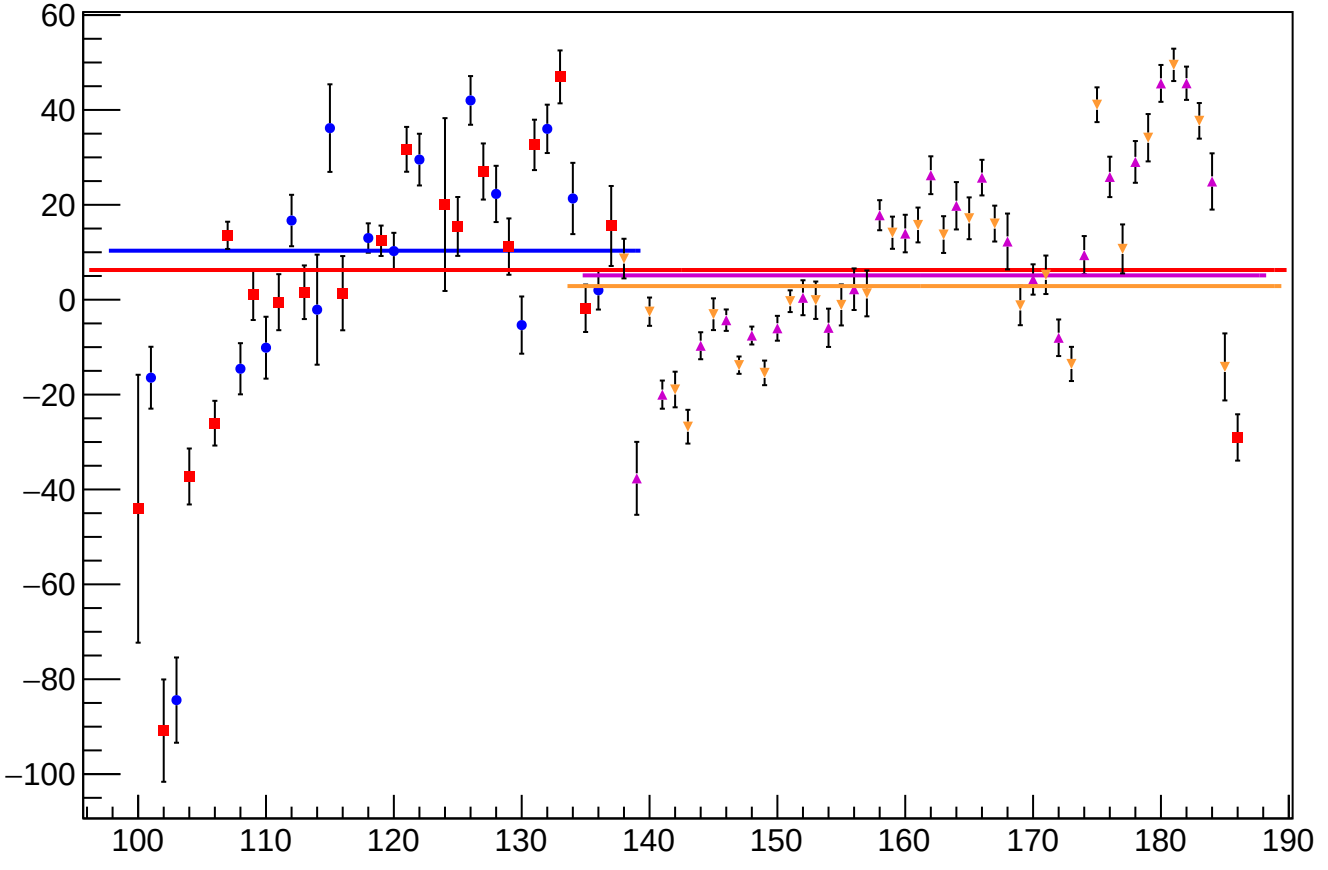
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 201.692+/-0.764 χ^2/NDF: 2941.2/40

All: 199.878+/-0.532 χ^2/NDF: 8044.6/83

- sign 198.173+/-0.741 χ^2/NDF: 5092.5/42

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: 6.260+/-1.188 χ^2/NDF: 377.9/19

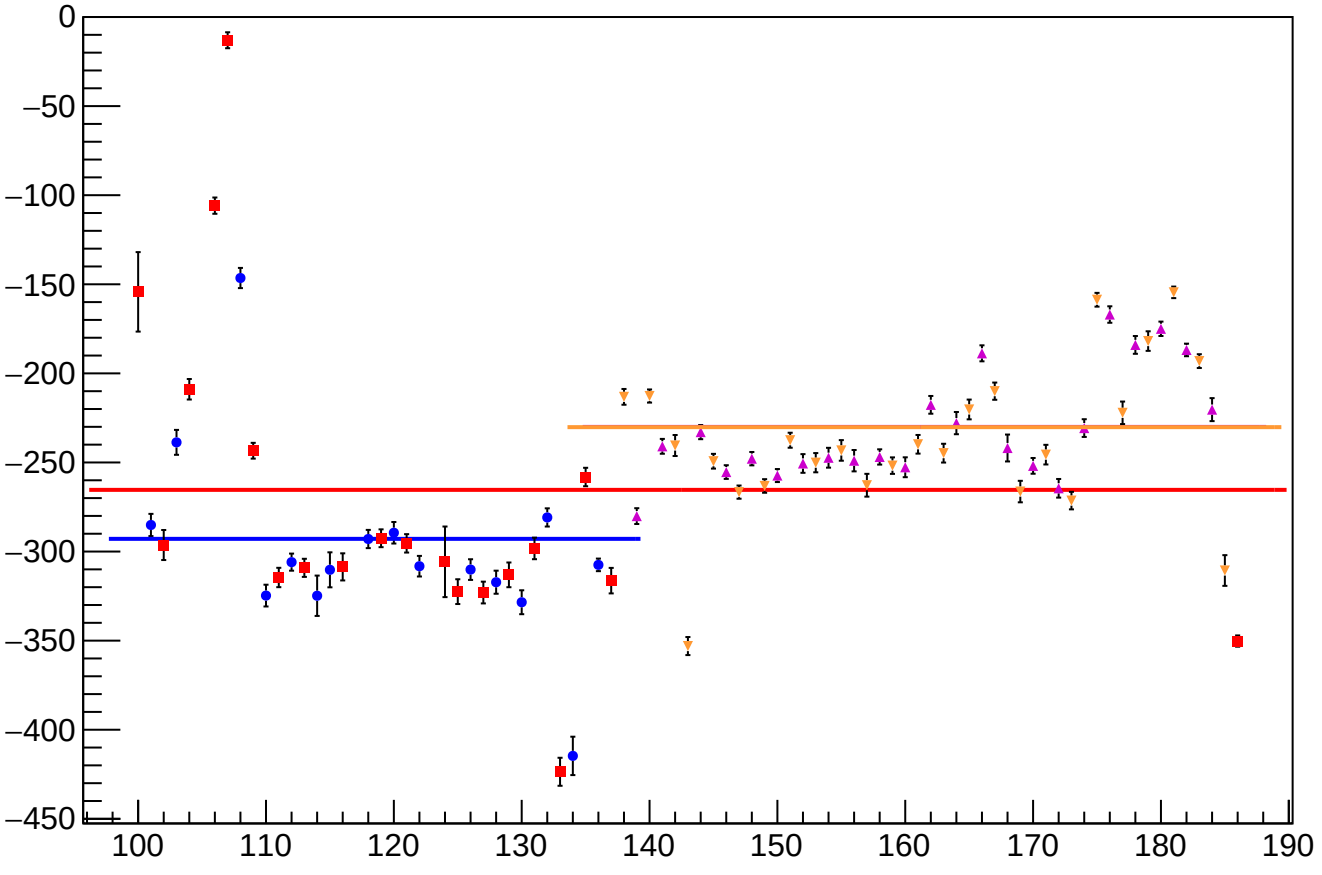
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 4.458+/-0.615 χ^2/NDF: 1040.7/40

All: 4.944+/-0.435 χ^2/NDF: 2049.1/83

- sign 5.429+/-0.614 χ^2/NDF: 1007.1/42

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -265.379+/-1.256 χ^2/NDF: 6228.0/19

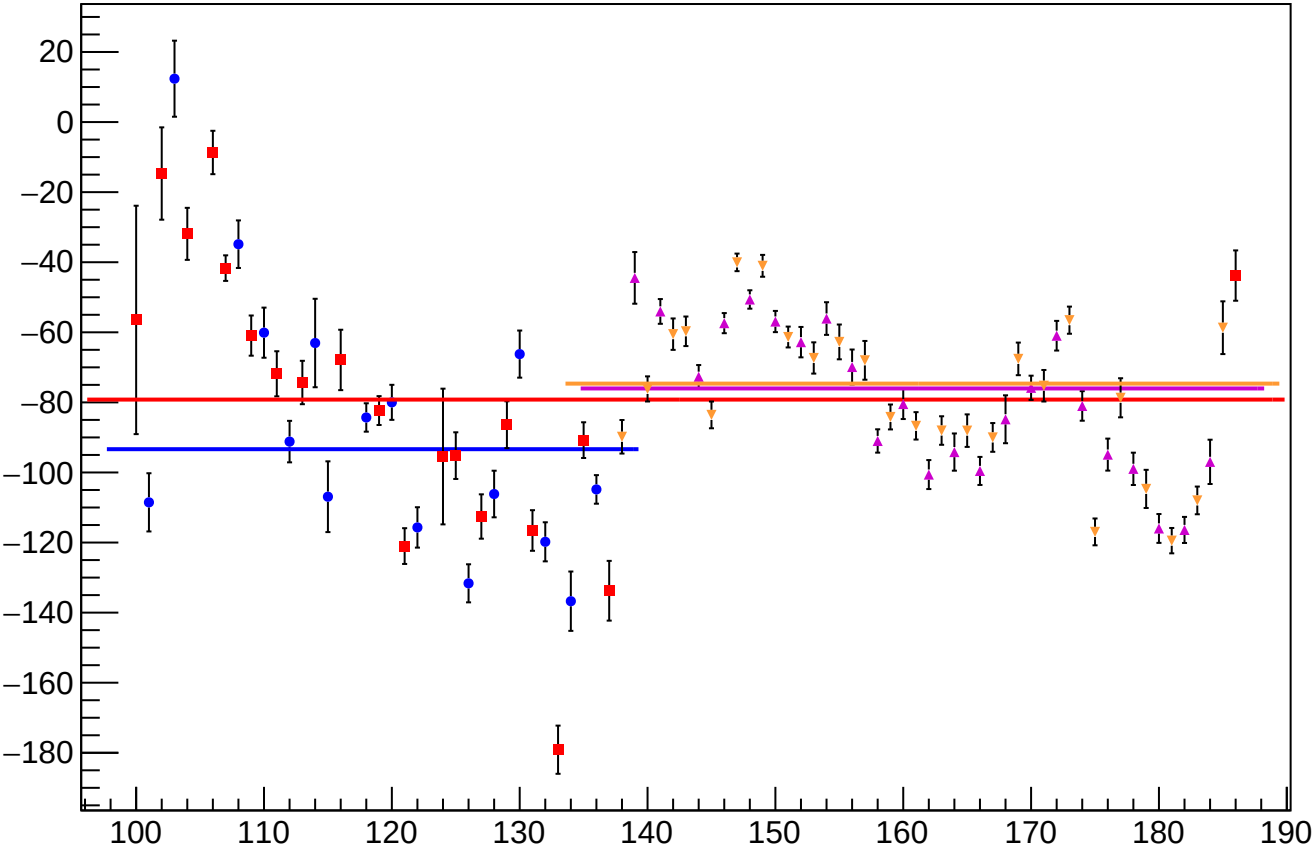
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -248.393+/-0.791 χ^2/NDF: 4460.2/40

All: -245.650+/-0.549 χ^2/NDF: 12304.7/83

- sign -243.098+/-0.763 χ^2/NDF: 7821.3/42

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -79.201+/-1.397 χ^2/NDF: 740.6/19

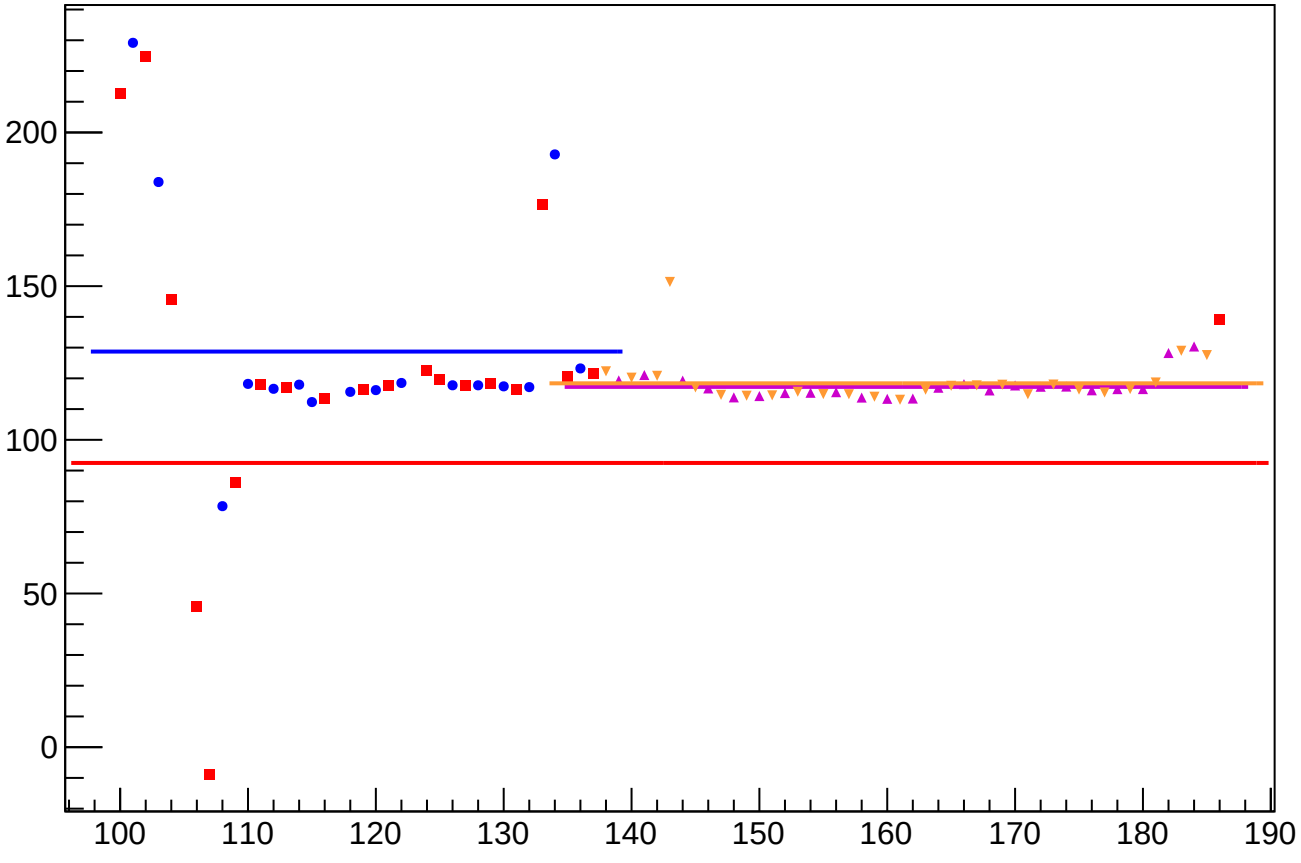
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -78.649+/-0.710 χ^2/NDF: 1303.2/40

All: -77.747+/-0.502 χ^2/NDF: 2696.9/83

- sign -76.845+/-0.710 χ^2/NDF: 1390.4/42

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 92.477+/-0.078 χ^2/NDF: 613253.6/19

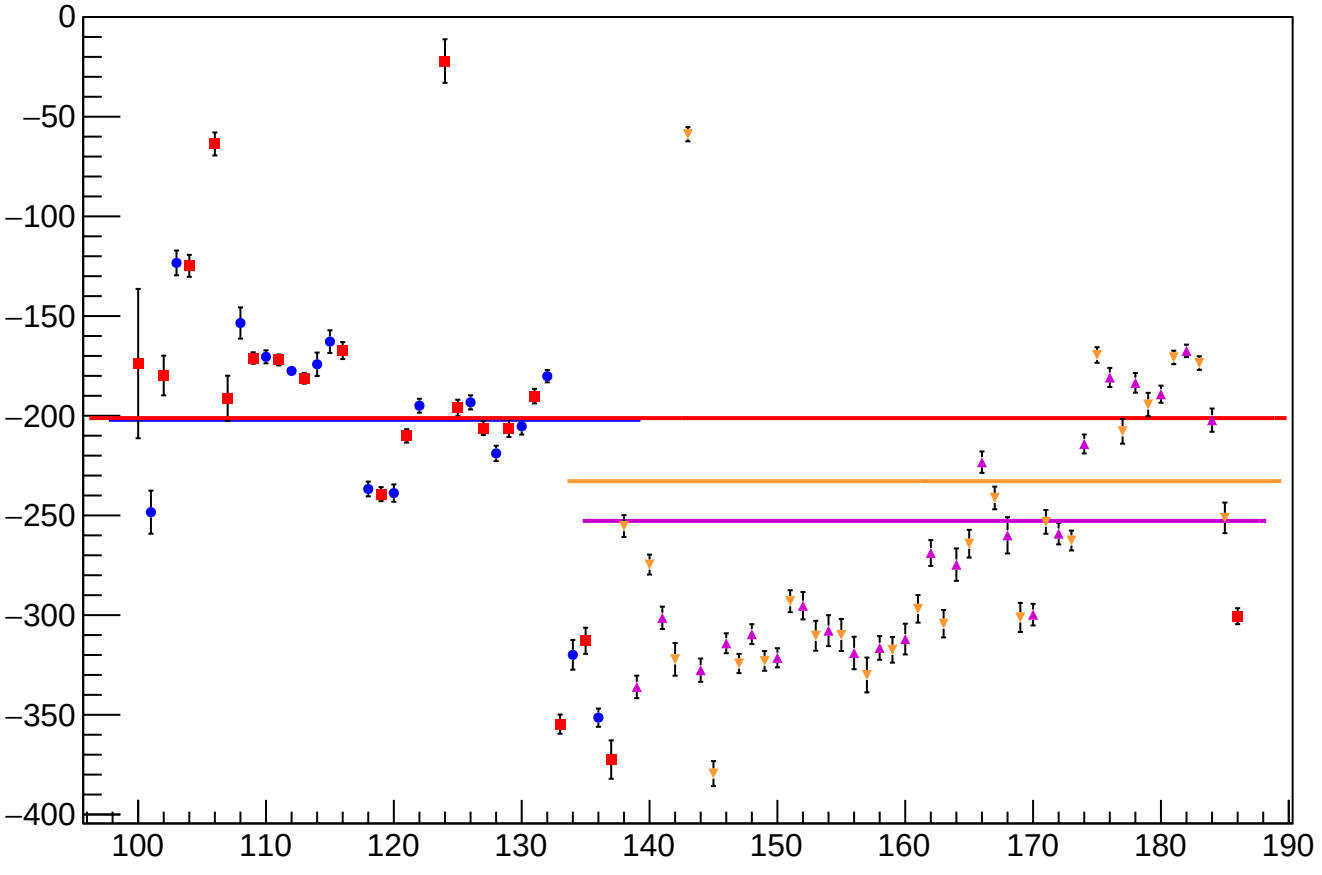
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 119.920+/-0.034 χ^2/NDF: 229899.1/40

All: 116.192+/-0.024 χ^2/NDF: 957972.0/83

- sign 112.573+/-0.034 χ^2/NDF: 704912.2/42

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -201.173+/-0.947 χ^2/NDF: 3750.8/19

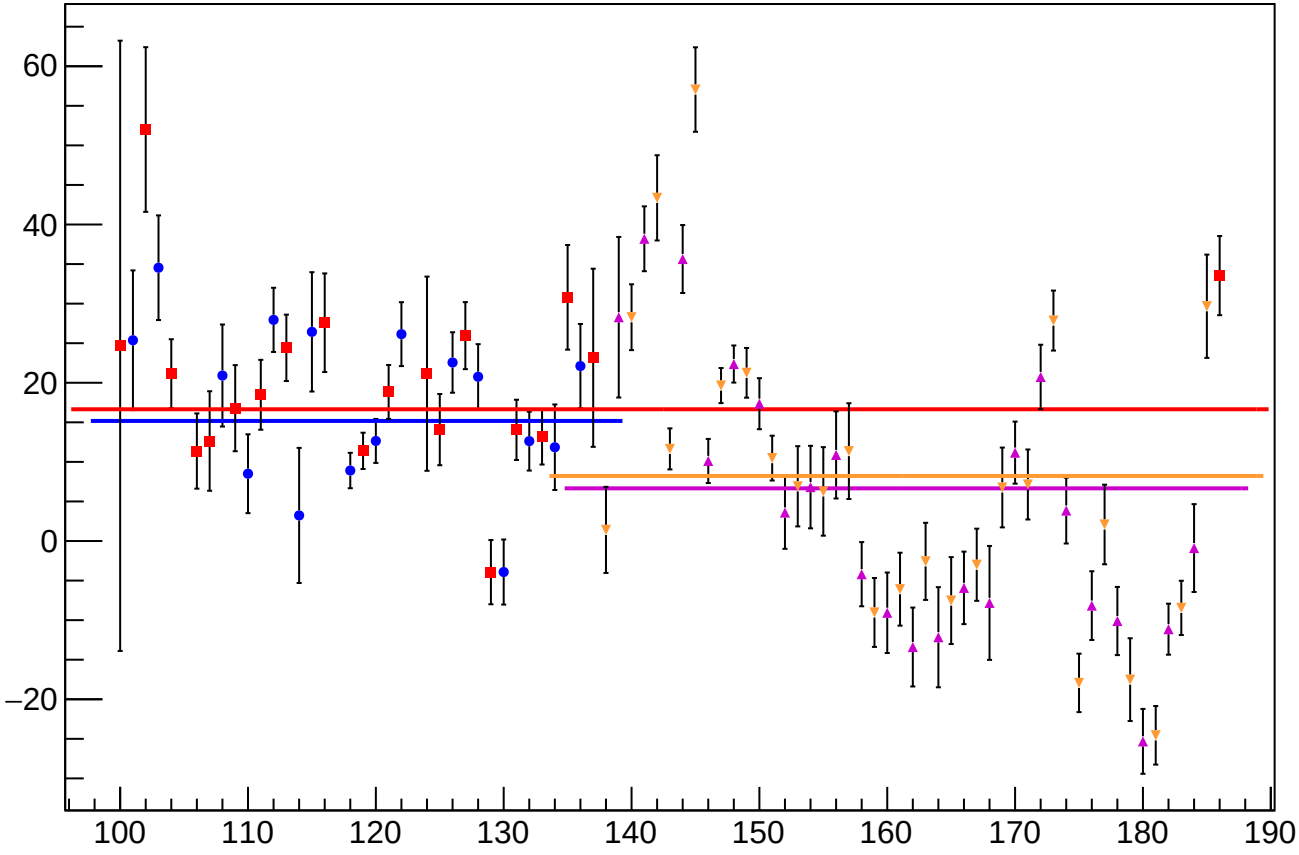
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -216.707+/-0.740 χ^2/NDF: 8235.4/40

All: -219.620+/-0.518 χ^2/NDF: 16153.2/83

- sign -222.419+/-0.726 χ^2/NDF: 7887.5/42

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 16.651+/-1.015 χ^2/NDF: 75.4/19

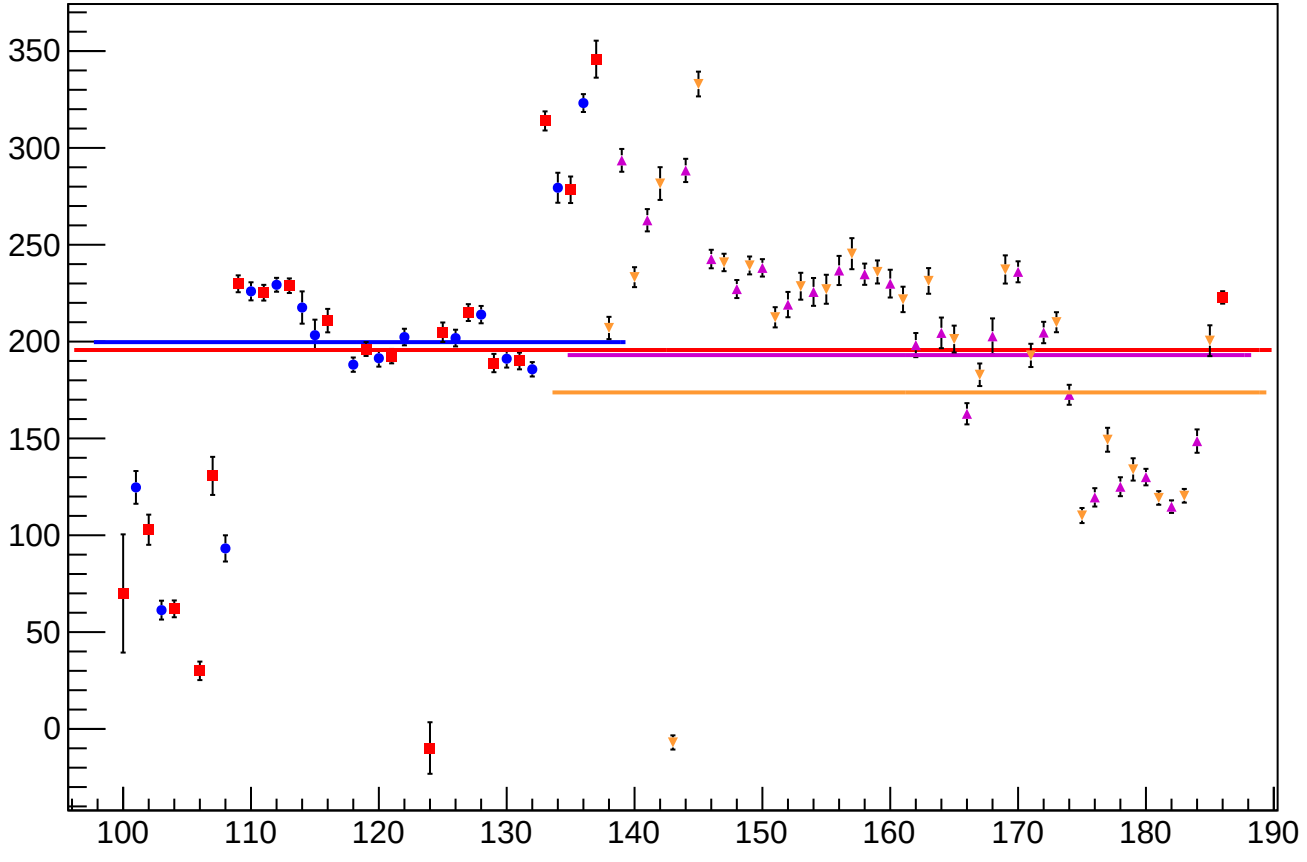
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 10.795+/-0.637 χ^2/NDF: 558.0/40

All: 10.808+/-0.457 χ^2/NDF: 1044.8/83

- sign 10.823+/-0.655 χ^2/NDF: 486.8/42

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 195.657+/-1.083 χ^2/NDF: 3858.2/19

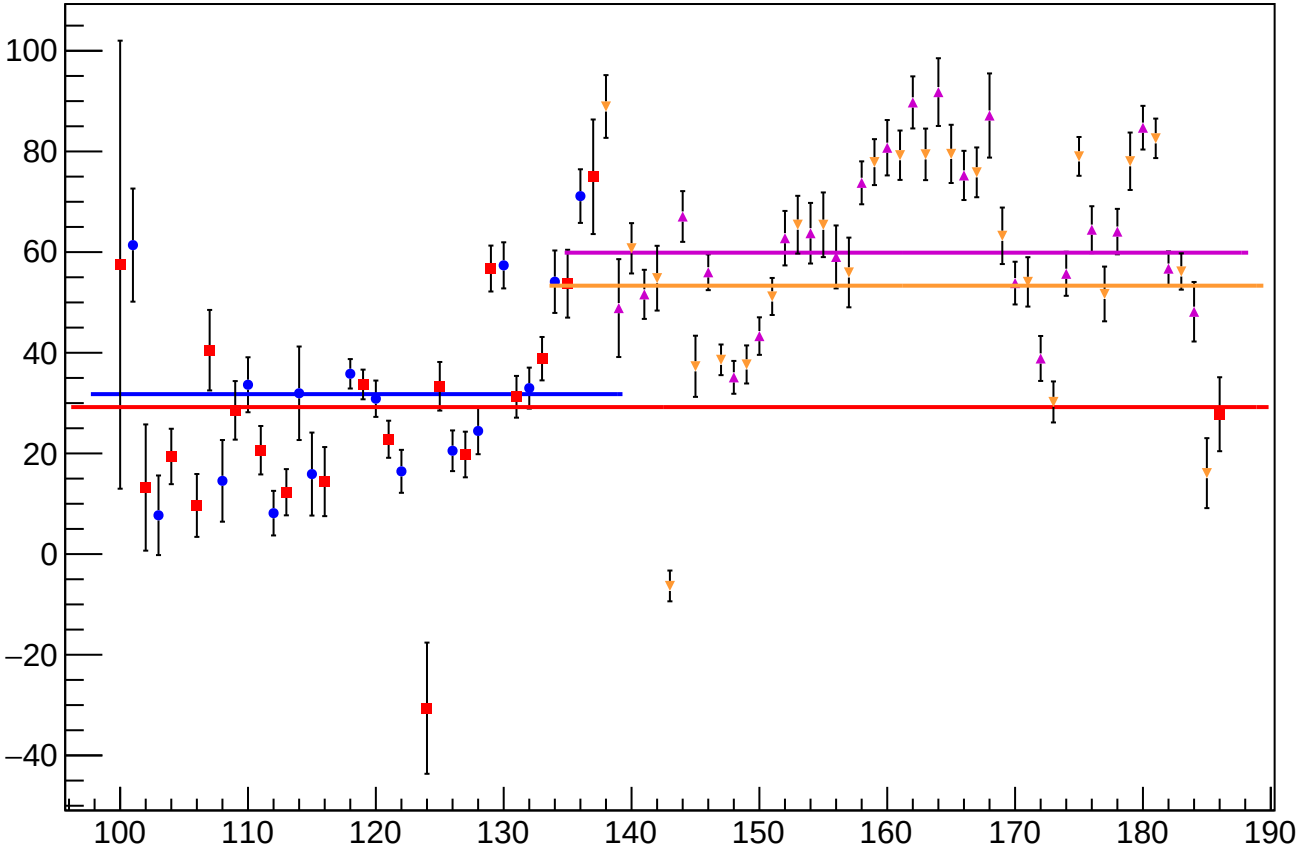
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 185.283+/-0.797 χ^2/NDF: 7624.6/40

All: 189.938+/-0.557 χ^2/NDF: 14064.4/83

- sign 194.389+/-0.779 χ^2/NDF: 6373.0/42

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 29.207+/-1.181 χ^2/NDF: 140.9/19

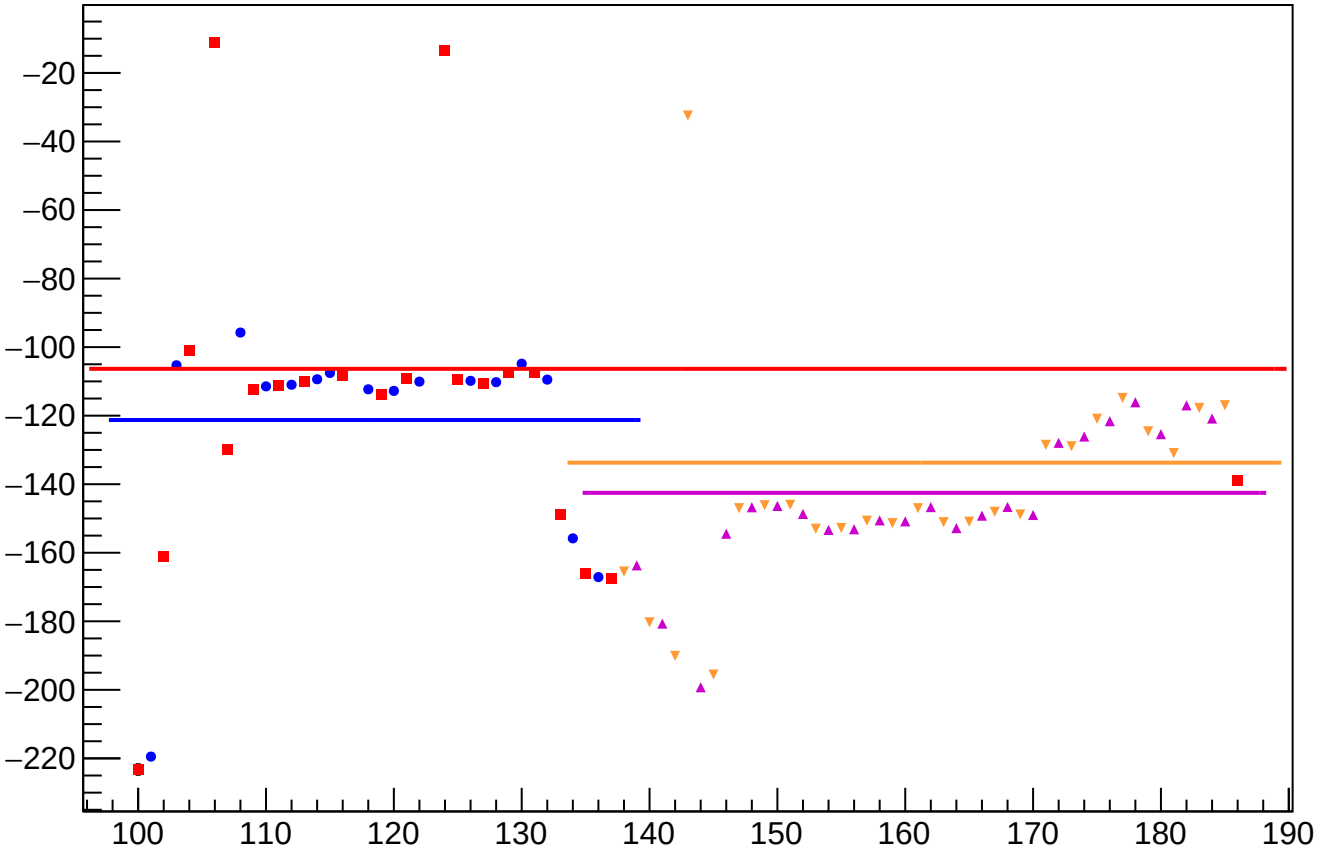
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 45.473+/-0.735 χ^2/NDF: 1155.2/40

All: 46.425+/-0.526 χ^2/NDF: 1951.5/83

- sign 47.425+/-0.753 χ^2/NDF: 792.8/42

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -106.335+/-0.074 χ^2/NDF: 359102.2/19

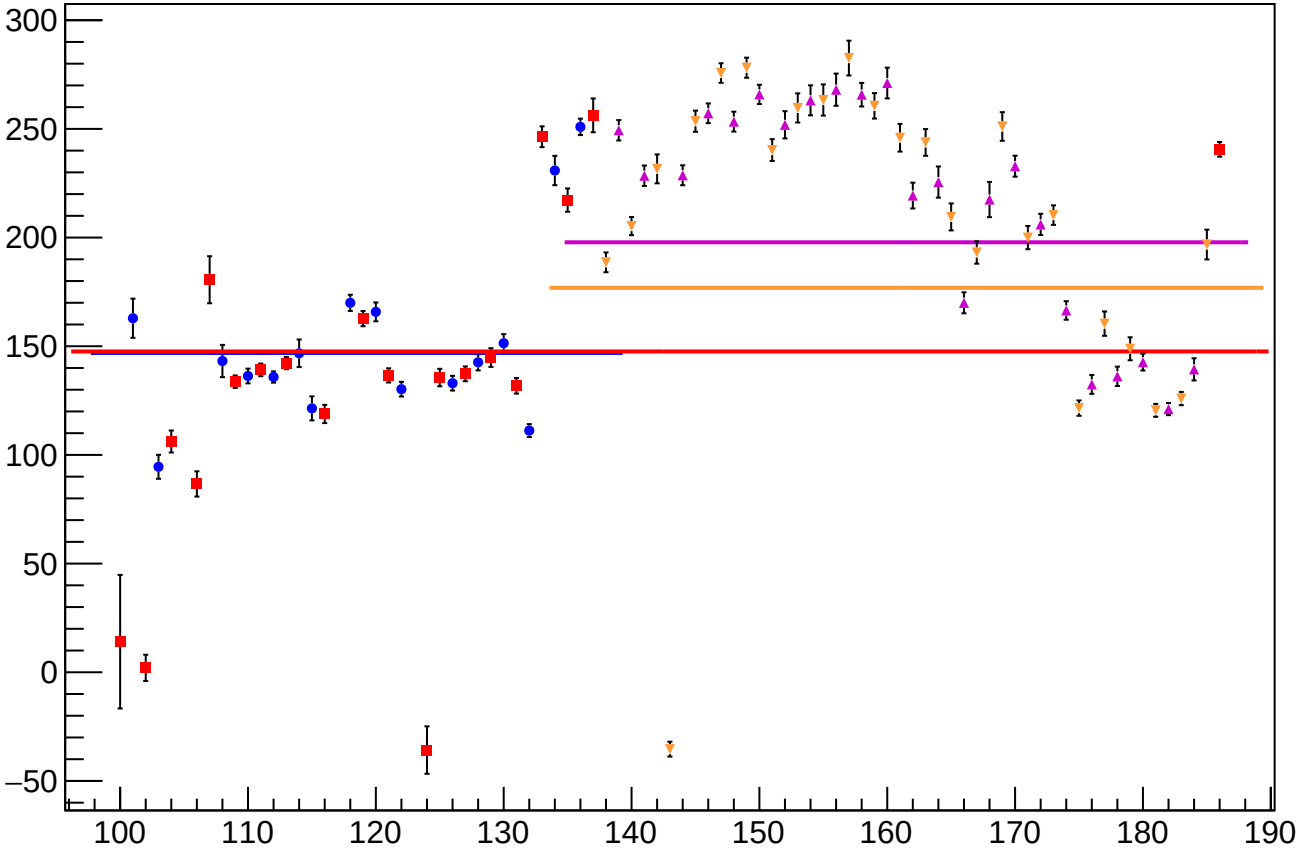
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -130.895+/-0.038 χ^2/NDF: 814407.2/40

All: -131.899+/-0.027 χ^2/NDF: 1529401.2/83

- sign -132.924+/-0.038 χ^2/NDF: 713559.6/42

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 147.602+/-0.924 χ^2/NDF: 2762.4/19

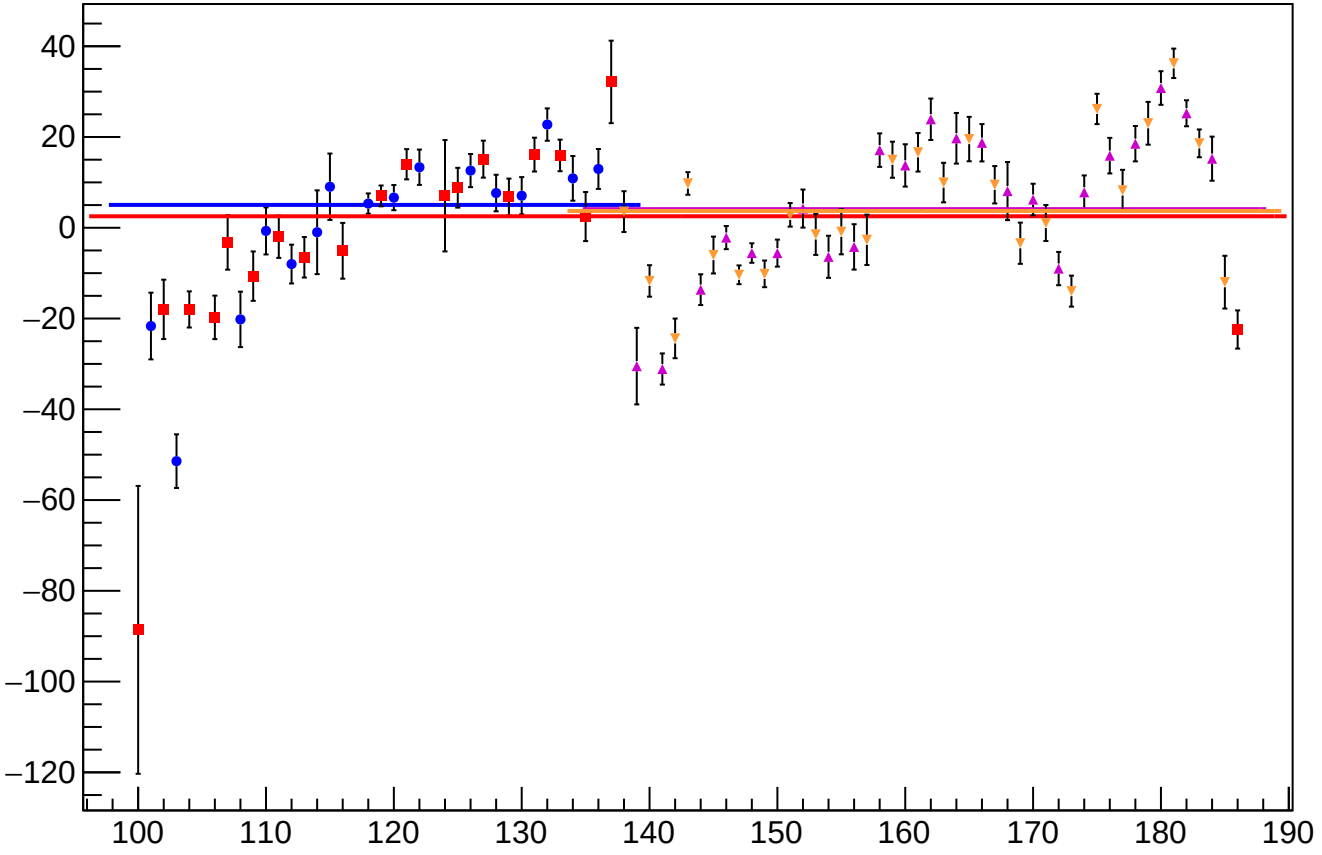
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

\+ sign 162.594+/-0.693 χ^2/NDF: 9194.0/40

All: 166.656+/-0.485 χ^2/NDF: 16344.2/83

\- sign 170.575+/-0.680 χ^2/NDF: 7082.6/42

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: 2.533+/-0.984 χ^2/NDF: 182.0/19

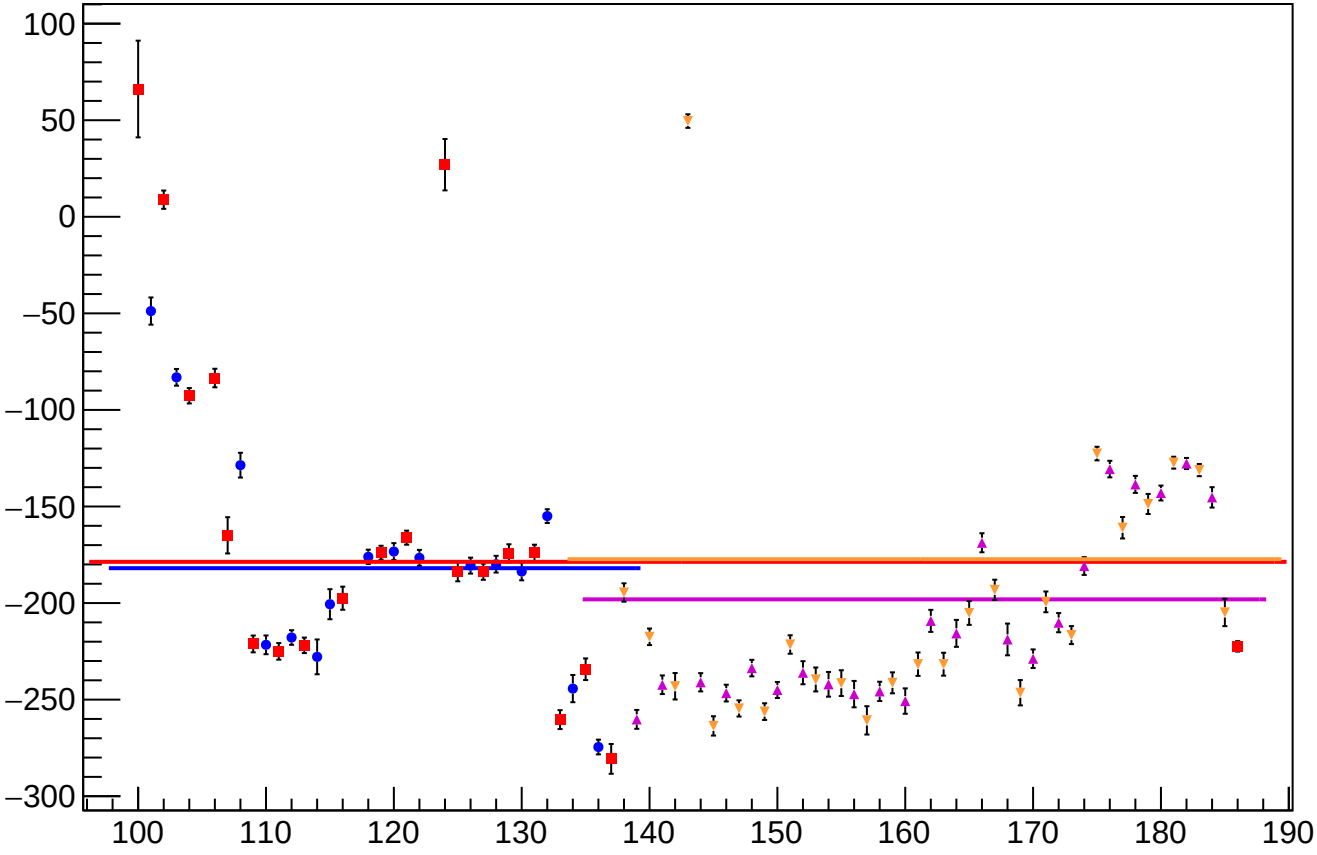
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 4.152+/-0.590 χ^2/NDF: 573.9/40

All: 3.838+/-0.423 χ^2/NDF: 1157.1/83

- sign 3.507+/-0.606 χ^2/NDF: 582.5/42

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -178.650+/-1.028 χ^2/NDF: 3934.4/19

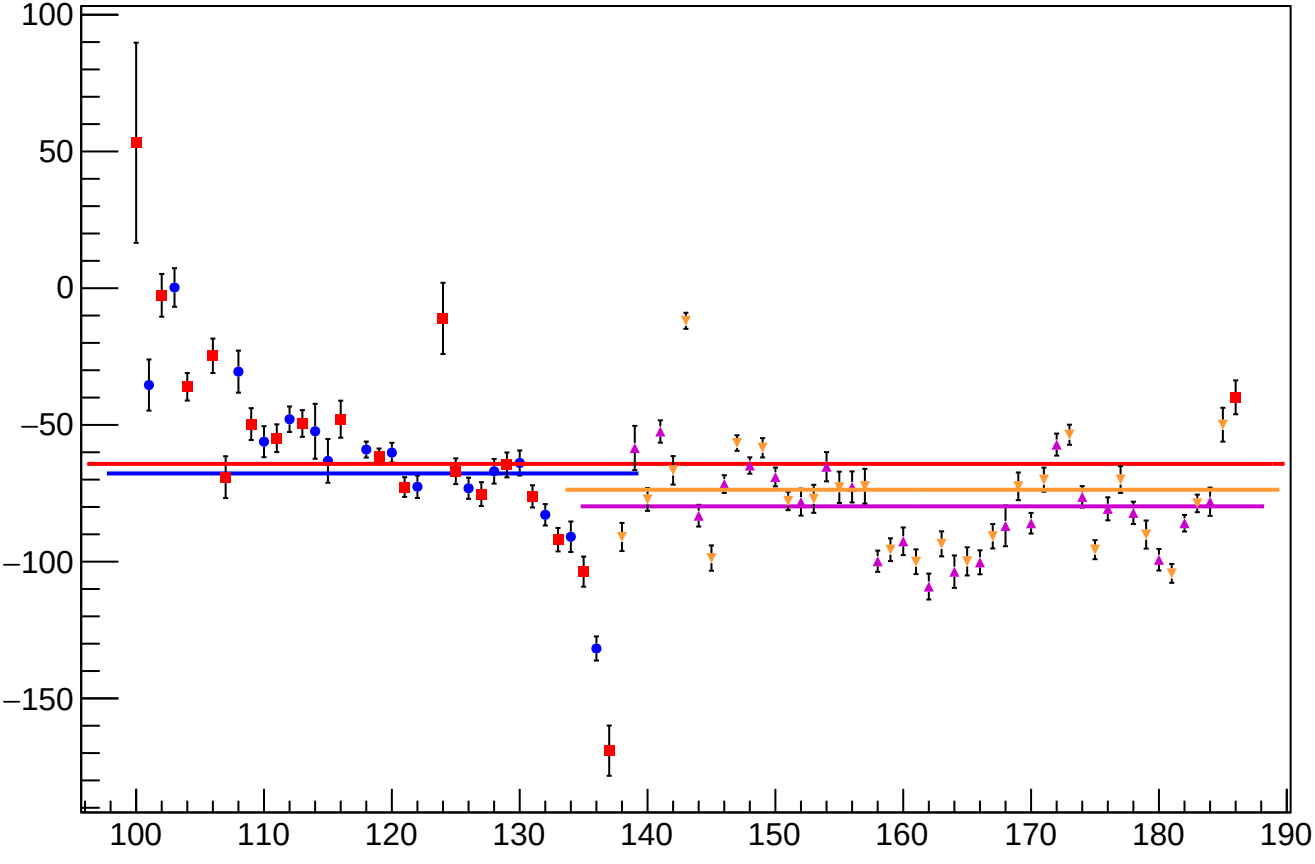
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -179.181+/-0.736 χ^2/NDF: 8920.1/40

All: -184.035+/-0.514 χ^2/NDF: 15509.2/83

- sign -188.635+/-0.717 χ^2/NDF: 6504.4/42

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -64.240+/-1.146 χ^2/NDF: 445.0/19

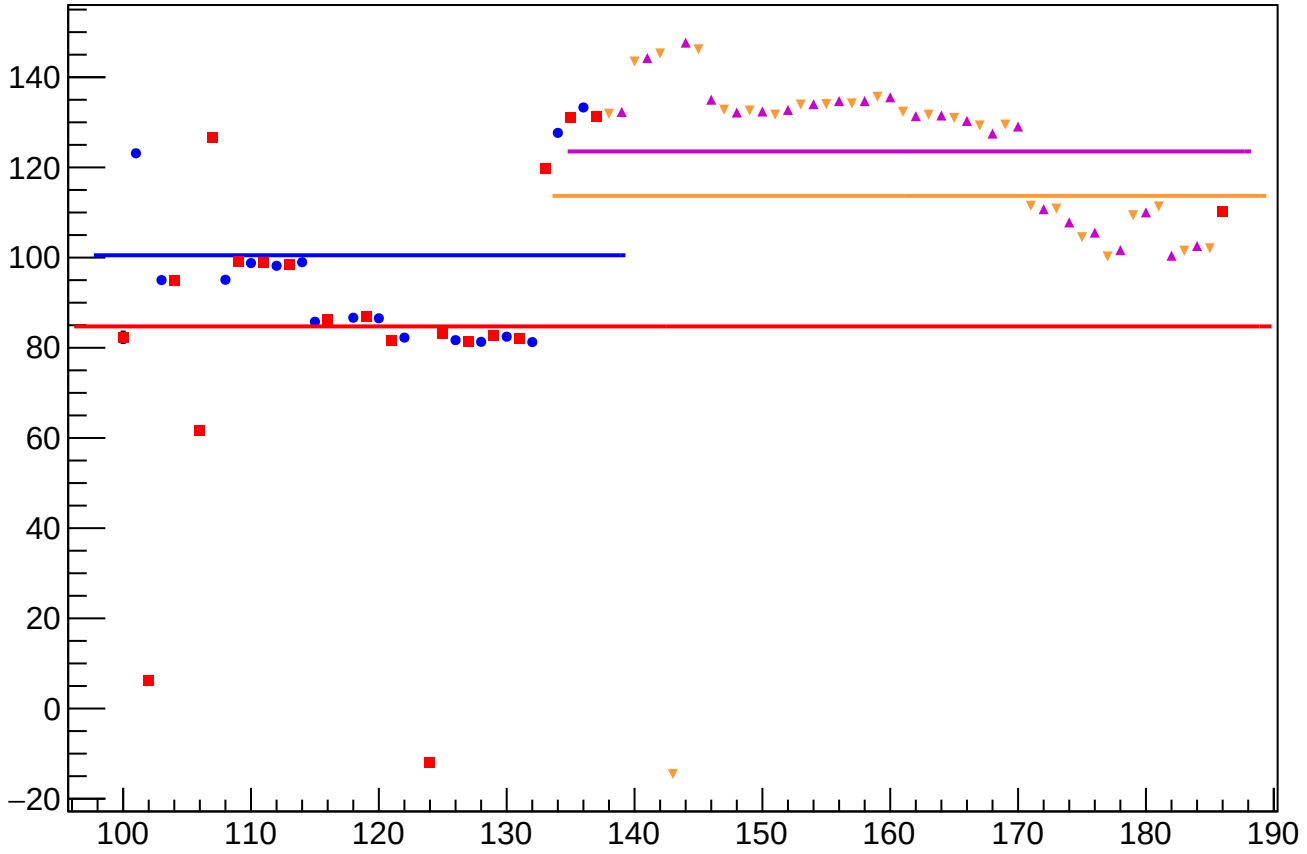
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -71.739+/-0.678 χ^2/NDF: 1270.7/40

All: -72.874+/-0.485 χ^2/NDF: 2114.7/83

- sign -74.066+/-0.695 χ^2/NDF: 838.3/42

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 84.742+/-0.068 χ^2/NDF: 267185.3/19

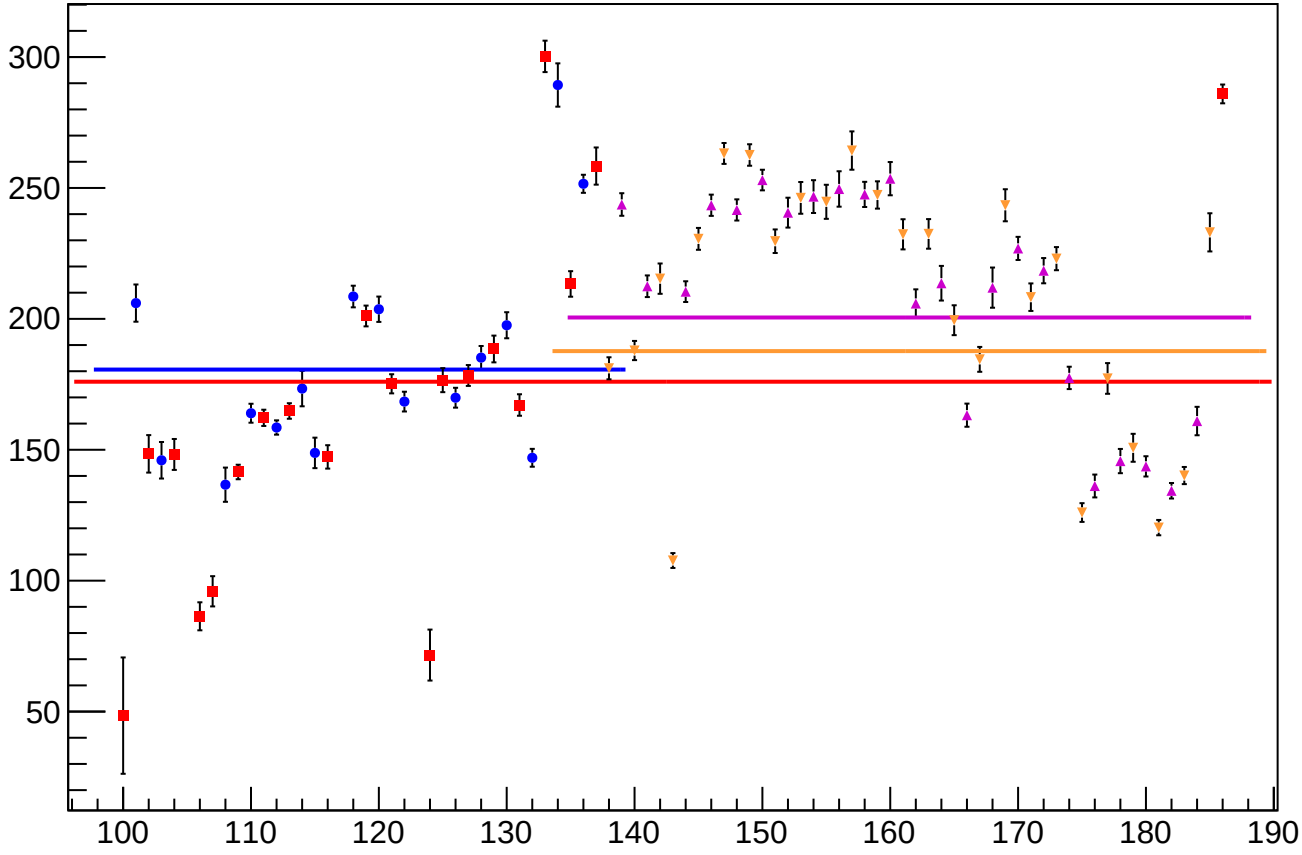
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 110.896+/-0.034 χ^2/NDF: 1055607.1/40

All: 112.331+/-0.024 χ^2/NDF: 1702050.8/83

- 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: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

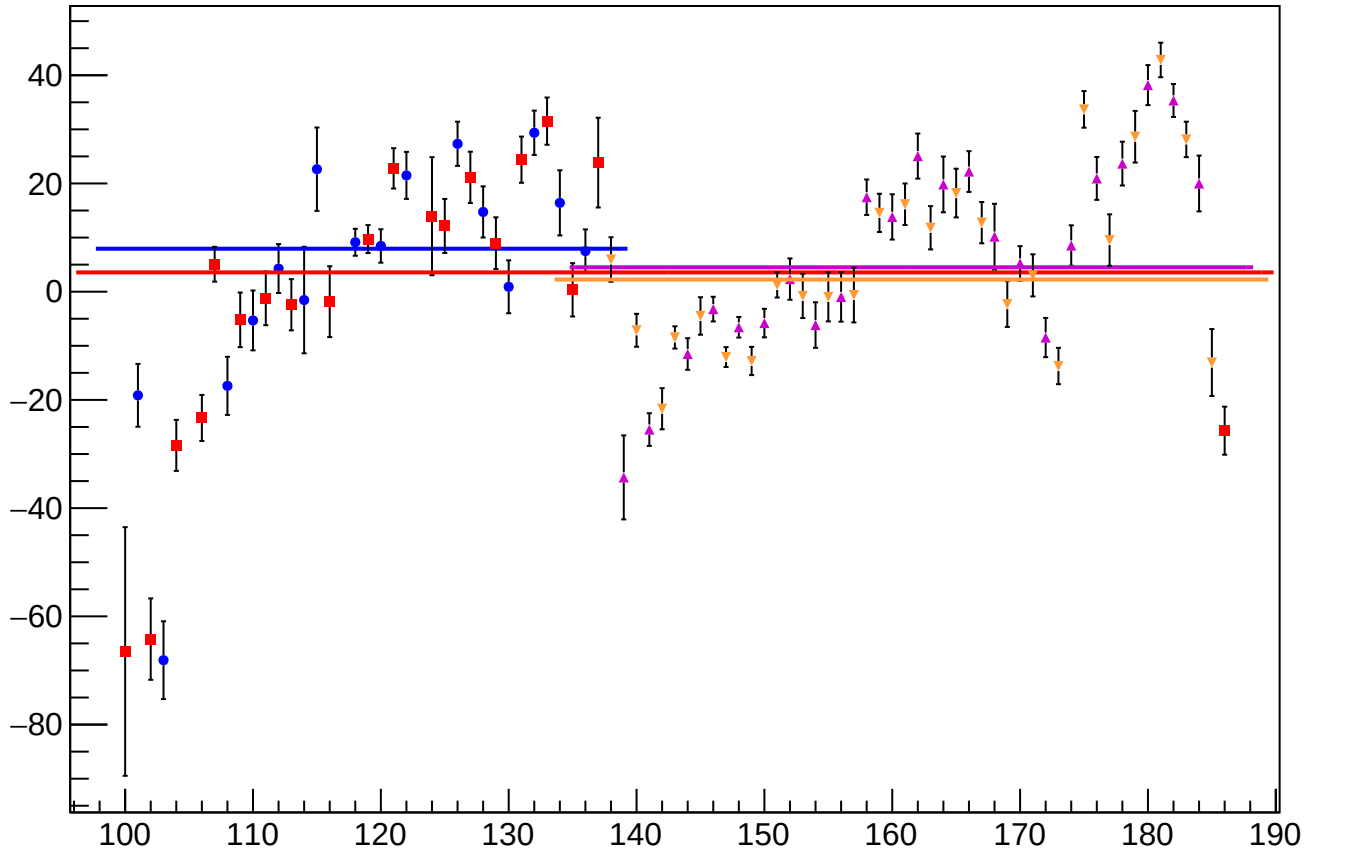
Right Out: 175.993+/-0.982 χ^2/NDF: 2498.3/19

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 184.832+/-0.693 χ^2/NDF: 4546.6/40

All: 186.737+/-0.487 χ^2/NDF: 9492.0/83

- sign 188.597+/-0.685 χ^2/NDF: 4930.4/42



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: 3.568+/-1.033 χ^2/NDF: 348.9/19

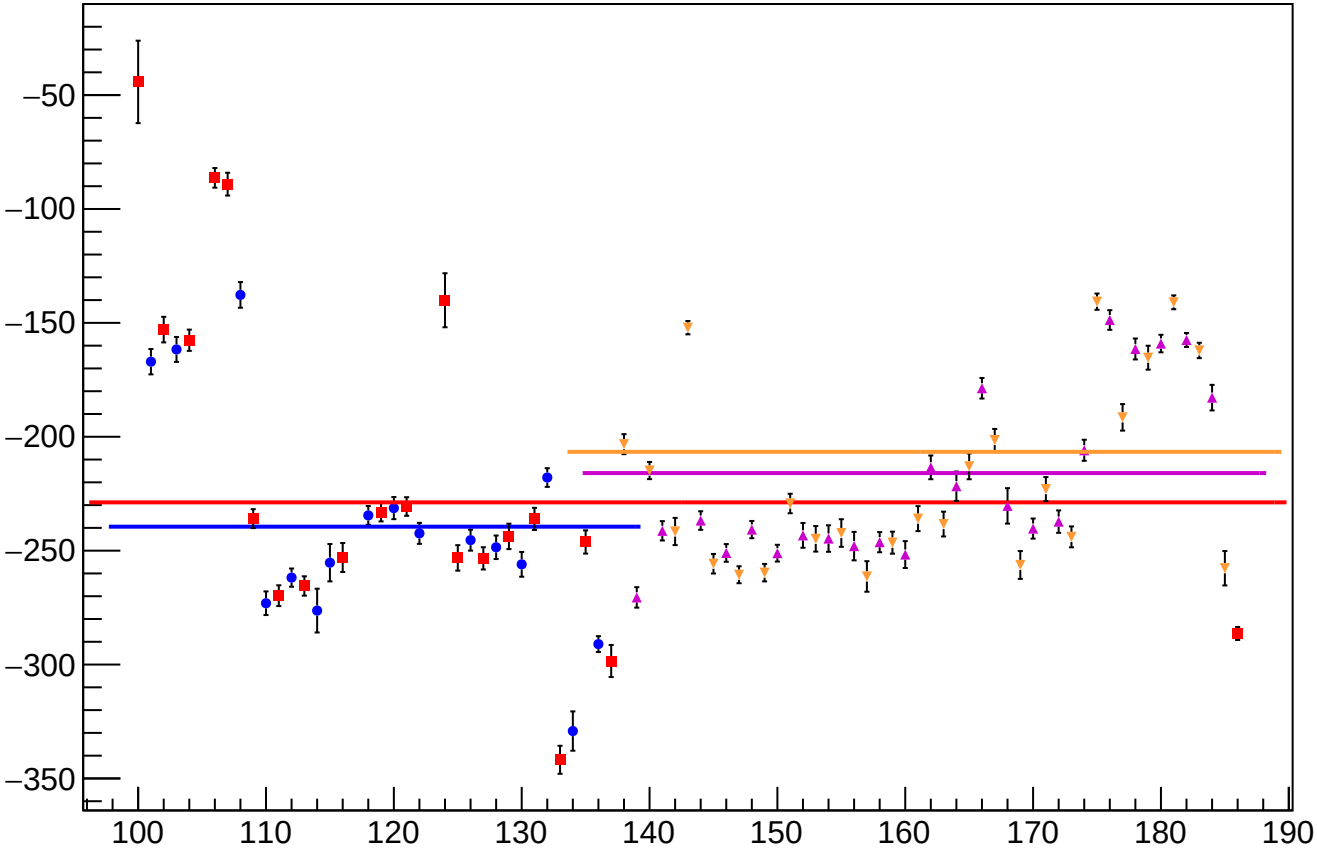
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 3.742+/-0.571 χ^2/NDF: 853.1/40

All: 3.968+/-0.409 χ^2/NDF: 1750.0/83

- 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: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -228.792+/-1.088 χ^2/NDF: 3523.0/19

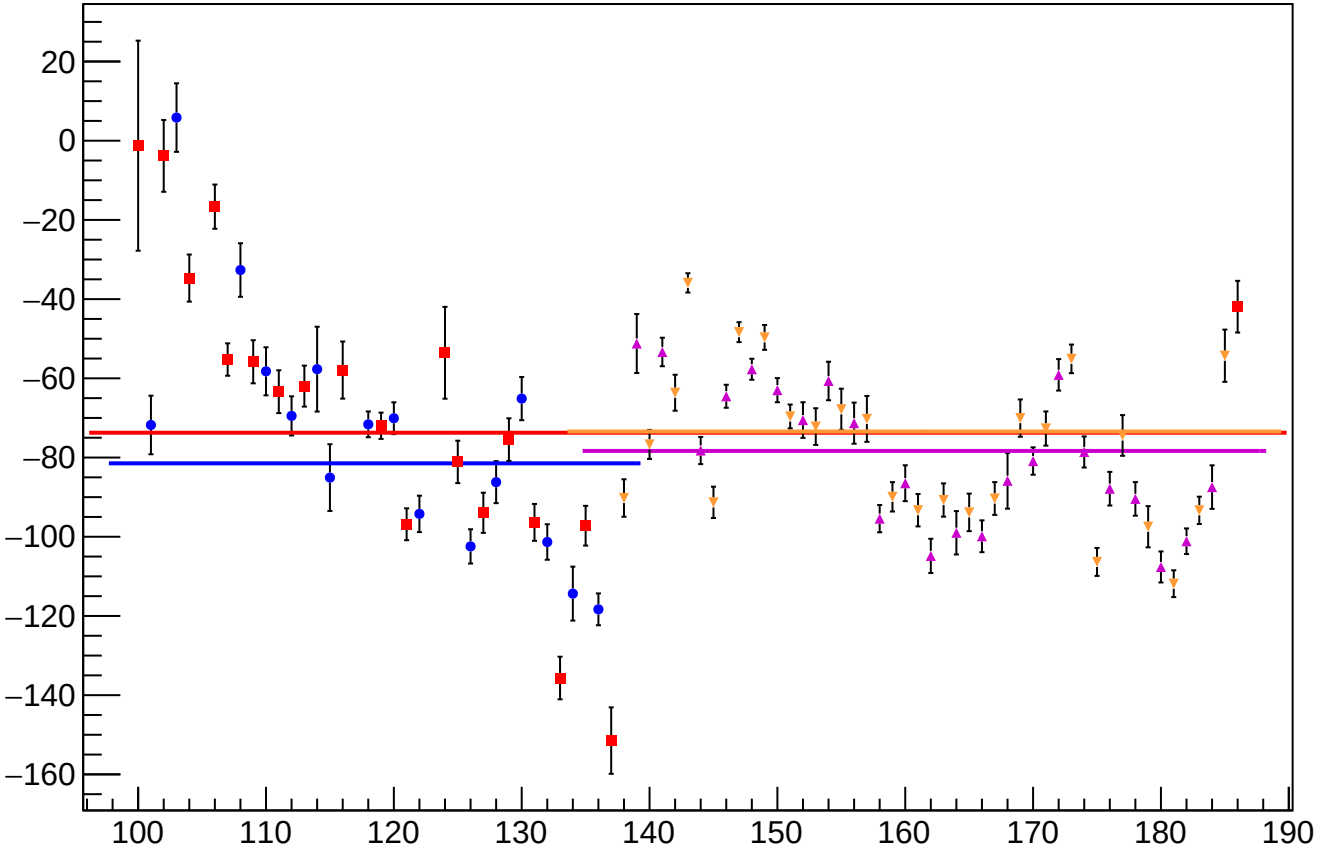
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

\+ sign -217.800+/-0.727 χ^2/NDF: 4088.9/40

All: -219.669+/-0.509 χ^2/NDF: 9416.4/83

\- sign -221.474+/-0.714 χ^2/NDF: 5314.5/42

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

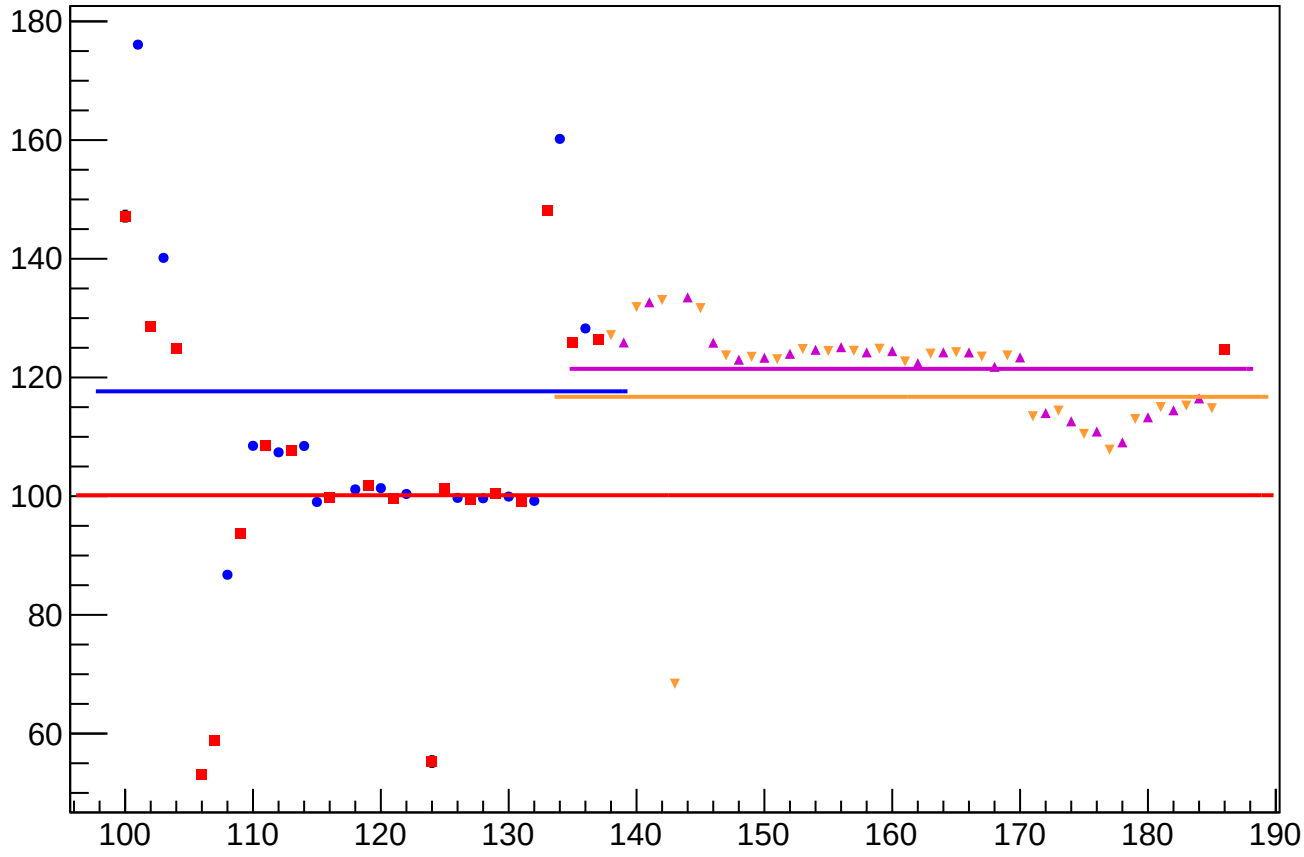
Right Out: -73.731+/-1.209 χ^2/NDF: 601.2/19

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -75.533+/-0.659 χ^2/NDF: 1231.8/40

All: -76.191+/-0.472 χ^2/NDF: 2288.3/83

- sign -76.887+/-0.677 χ^2/NDF: 1054.4/42



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 100.158+/-0.070 χ^2/NDF: 169038.4/19

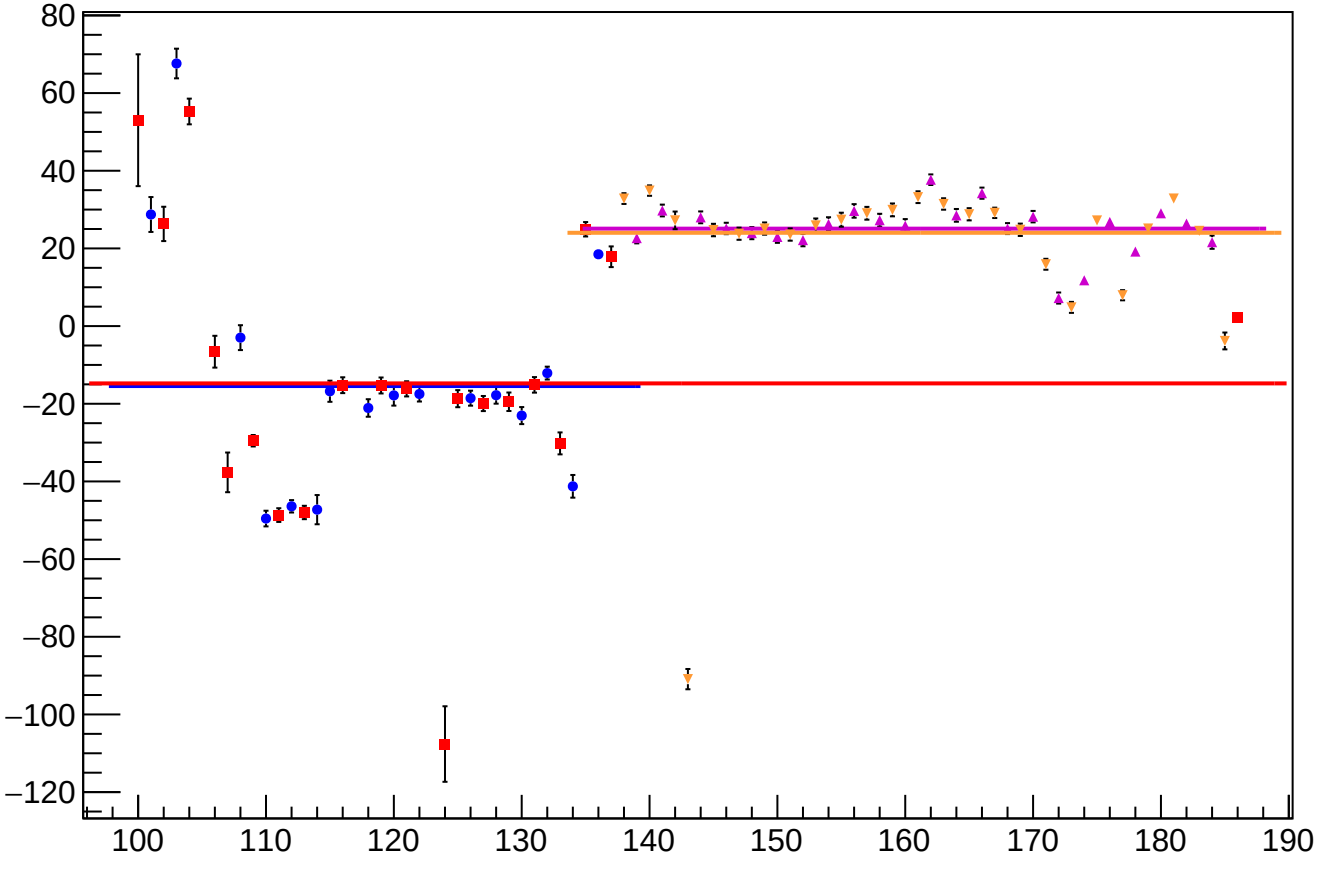
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 116.901+/-0.033 χ^2/NDF: 299163.8/40

All: 116.802+/-0.023 χ^2/NDF: 569915.2/83

- 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: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

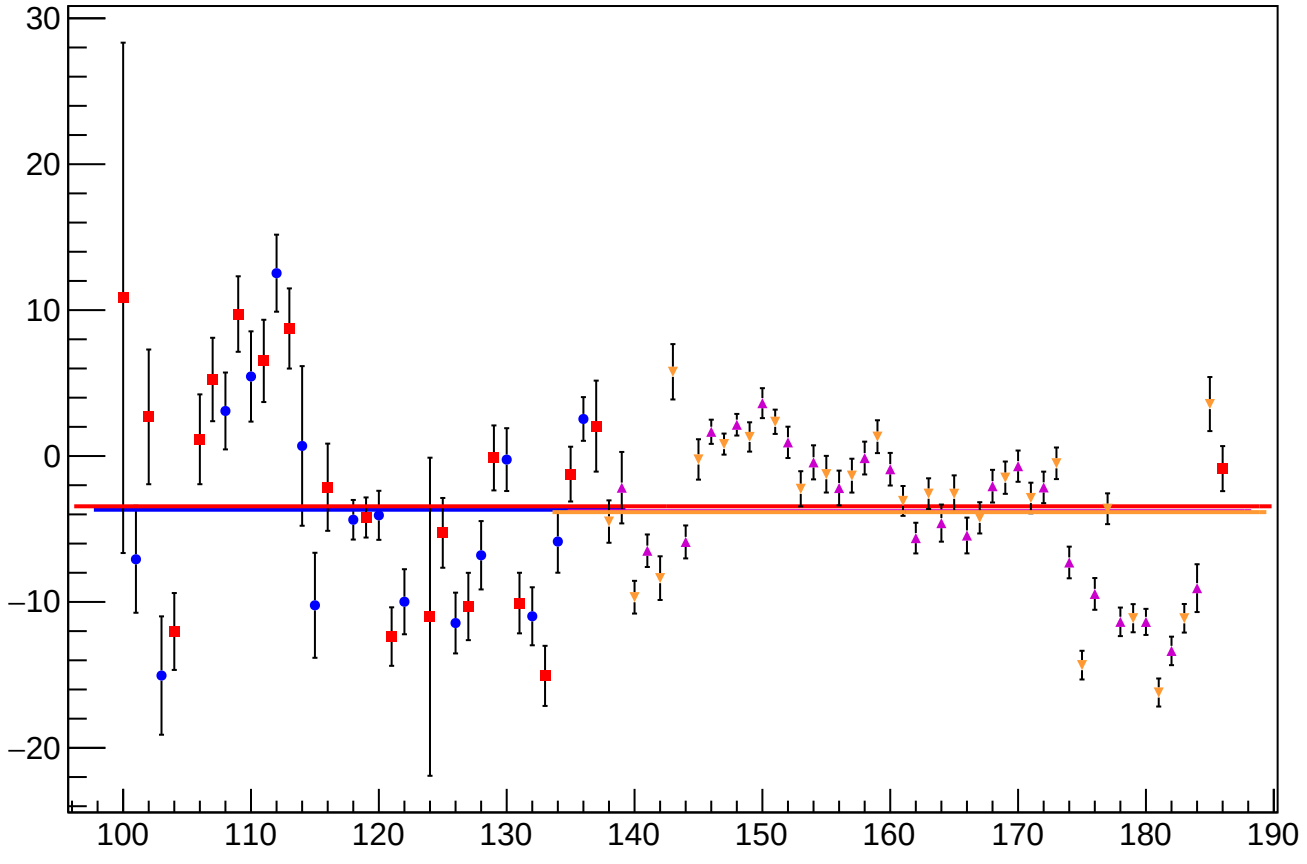
Right Out: -14.757+/-0.487 χ^2/NDF: 2345.9/19

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.545+/-0.250 χ^2/NDF: 9134.2/40

All: 15.173+/-0.176 χ^2/NDF: 16946.0/83

- sign 14.808+/-0.247 χ^2/NDF: 7807.4/42



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -3.446+/-0.530 χ^2/NDF: 164.4/19

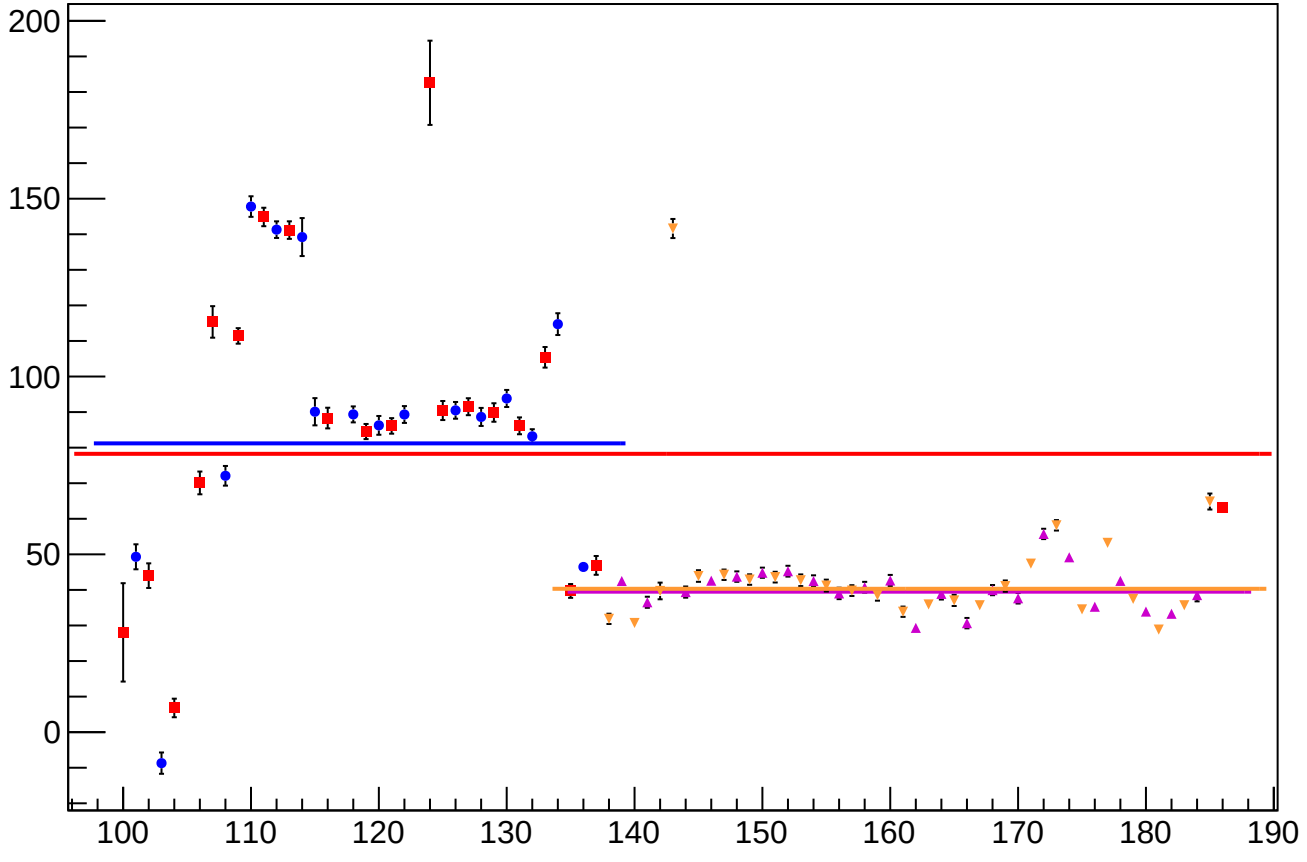
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.823+/-0.203 χ^2/NDF: 773.4/40

All: -3.777+/-0.144 χ^2/NDF: 1448.1/83

- 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: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 78.264+/-0.524 χ^2/NDF: 3525.5/19

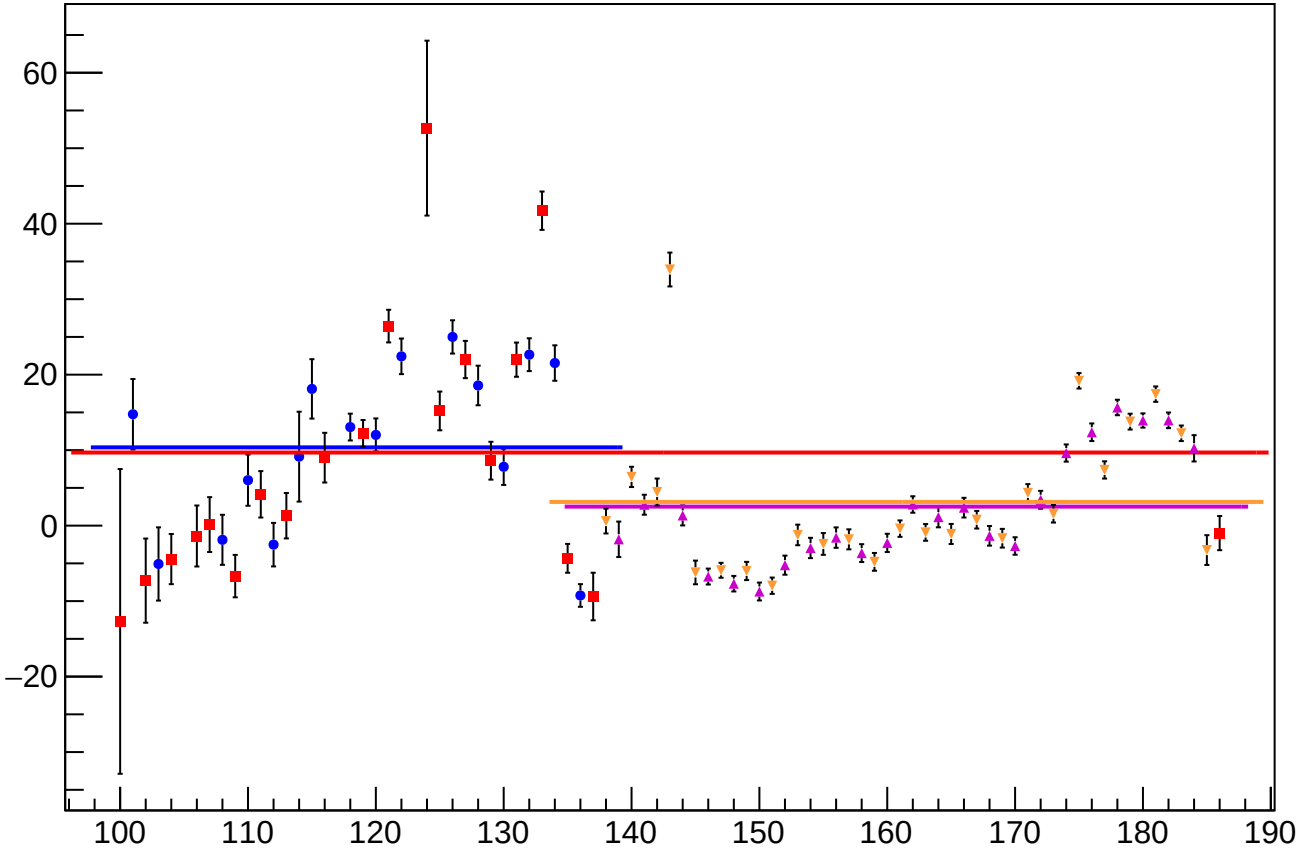
Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 47.494+/-0.254 χ^2/NDF: 9153.4/40

All: 47.927+/-0.178 χ^2/NDF: 17344.1/83

- 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: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

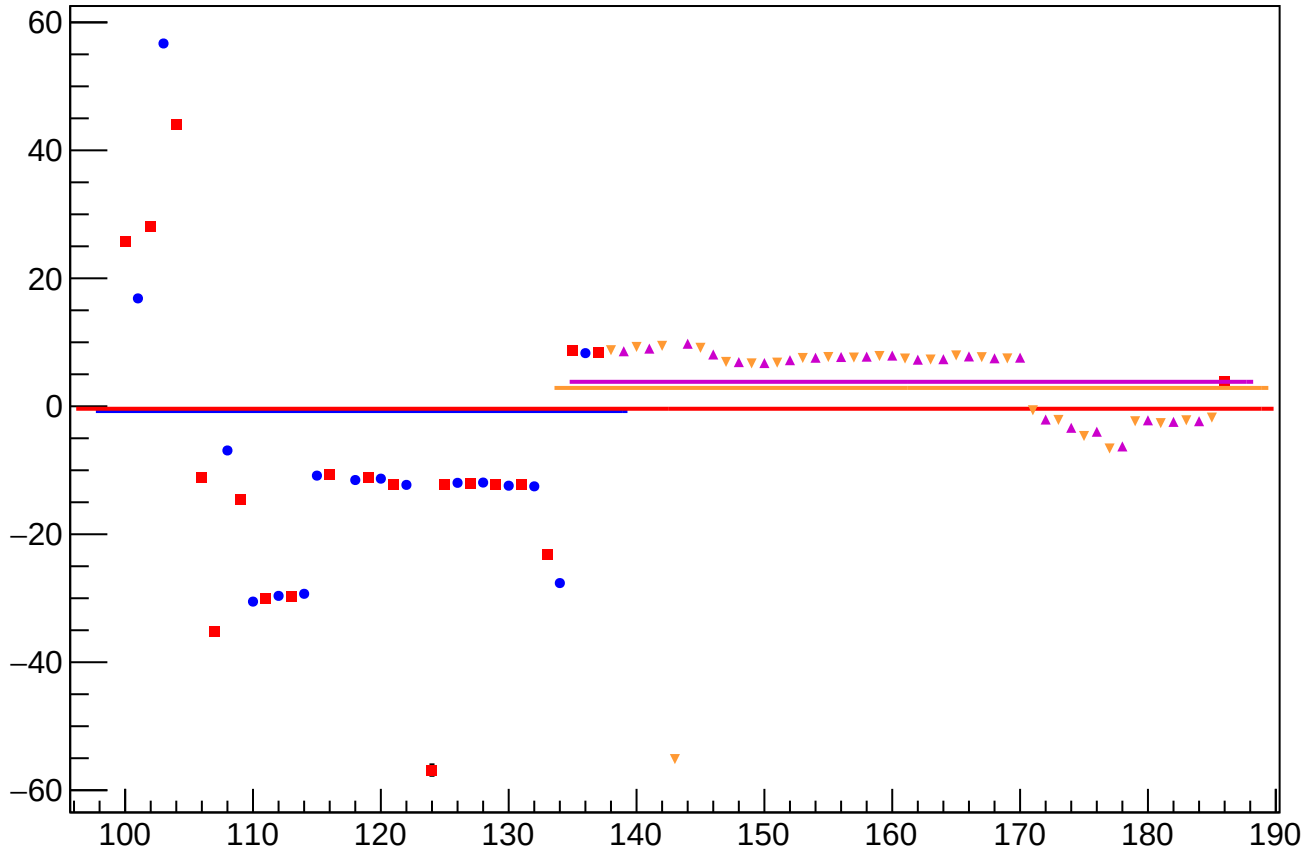
Right Out: 9.684+/-0.616 χ^2/NDF: 494.8/19

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

\+ sign 4.103+/-0.229 χ^2/NDF: 1742.1/40

All: 3.826+/-0.163 χ^2/NDF: 3324.0/83

\- sign 3.539+/-0.232 χ^2/NDF: 1579.0/42



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

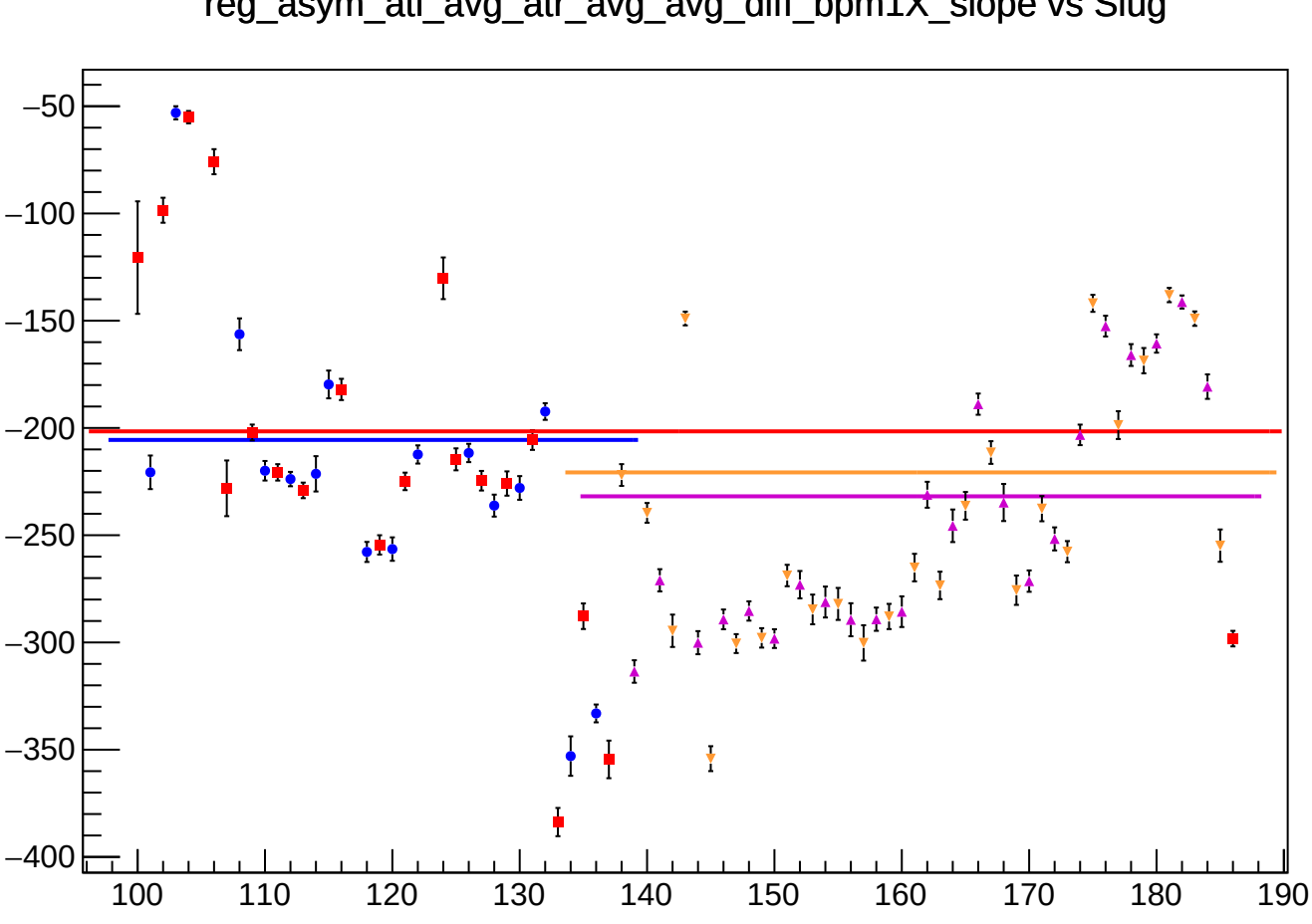
Right Out: -0.386+/-0.036 χ^2/NDF: 317232.9/19

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.560+/-0.011 χ^2/NDF: 889606.3/40

All: 3.008+/-0.007 χ^2/NDF: 1456019.3/83

- sign 3.466+/-0.011 χ^2/NDF: 562737.0/42



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

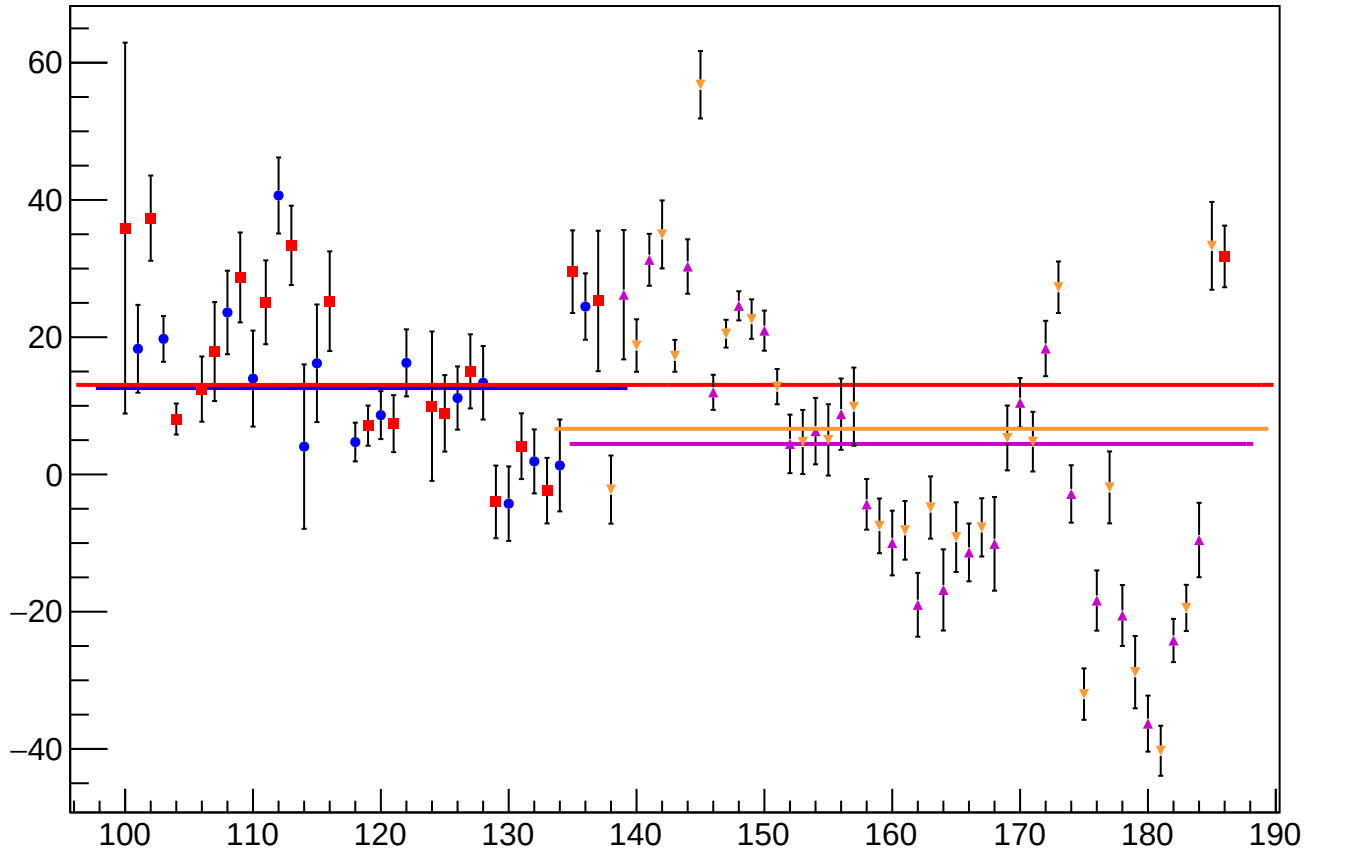
Right Out: -201.582+/-1.072 χ^2/NDF: 5746.0/19

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -214.289+/-0.772 χ^2/NDF: 8202.3/40

All: -215.495+/-0.542 χ^2/NDF: 17510.6/83

- sign -216.663+/-0.760 χ^2/NDF: 9303.5/42



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

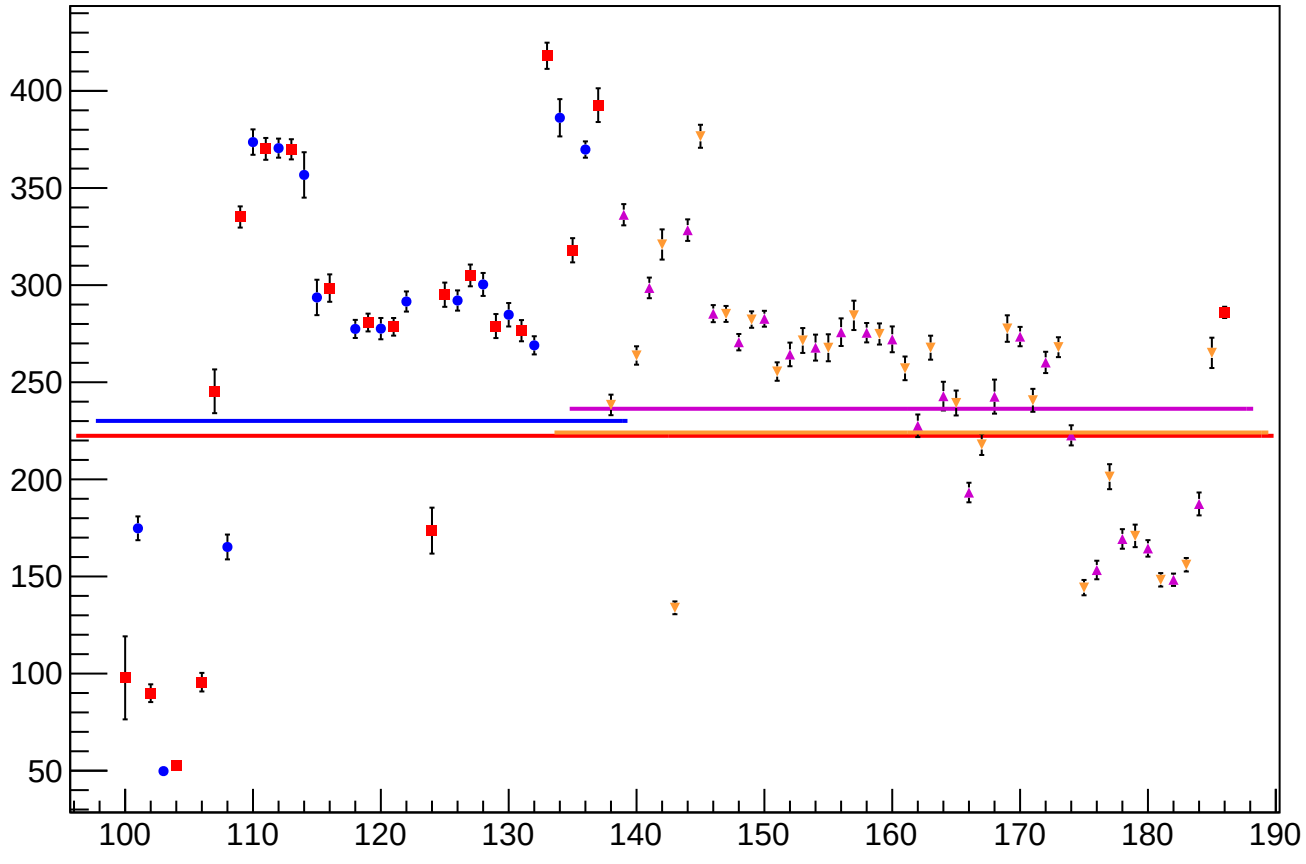
Right Out: 13.048+/-1.088 χ^2/NDF: 103.4/19

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 8.317+/-0.638 χ^2/NDF: 821.0/40

All: 7.914+/-0.455 χ^2/NDF: 1532.6/83

- sign 7.499+/-0.648 χ^2/NDF: 710.8/42



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

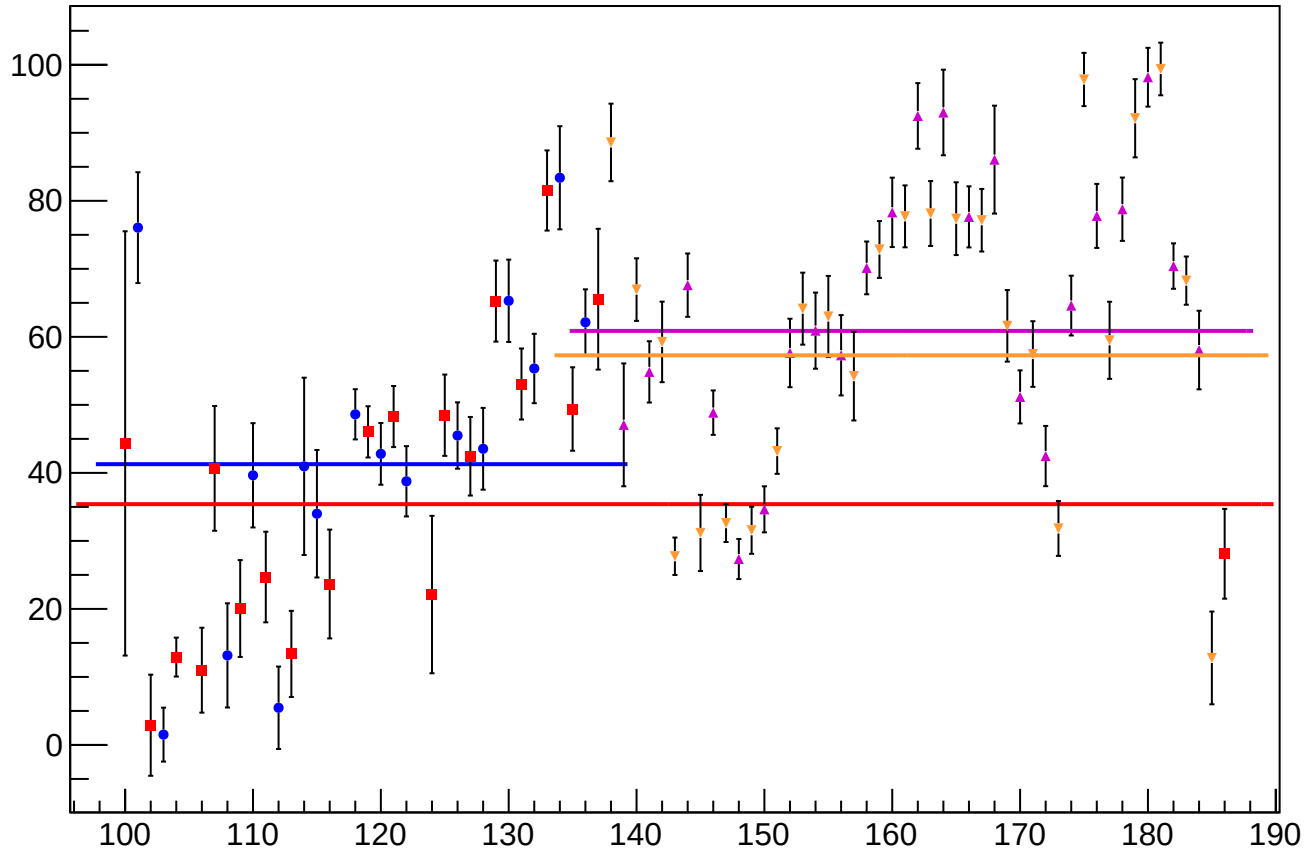
Right Out: 222.423+/-1.105 χ^2/NDF: 12036.2/19

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 226.470+/-0.790 χ^2/NDF: 13355.9/40

All: 228.095+/-0.550 χ^2/NDF: 28475.5/83

- sign 229.628+/-0.767 χ^2/NDF: 15111.3/42



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 35.402+/-1.292 χ^2/NDF: 254.5/19

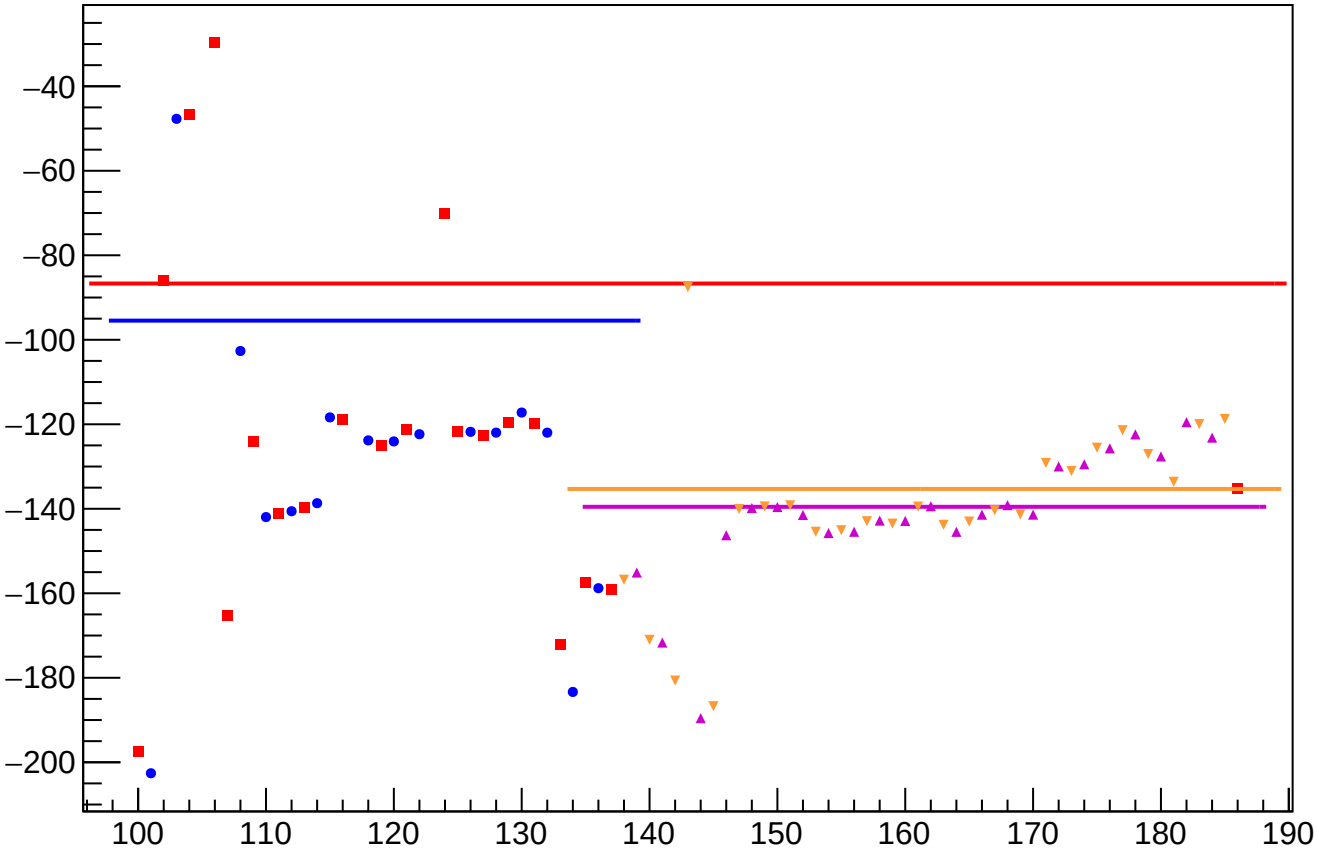
Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 52.832+/-0.737 χ^2/NDF: 1108.3/40

All: 52.556+/-0.526 χ^2/NDF: 2075.4/83

- sign 52.270+/-0.751 χ^2/NDF: 966.8/42

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

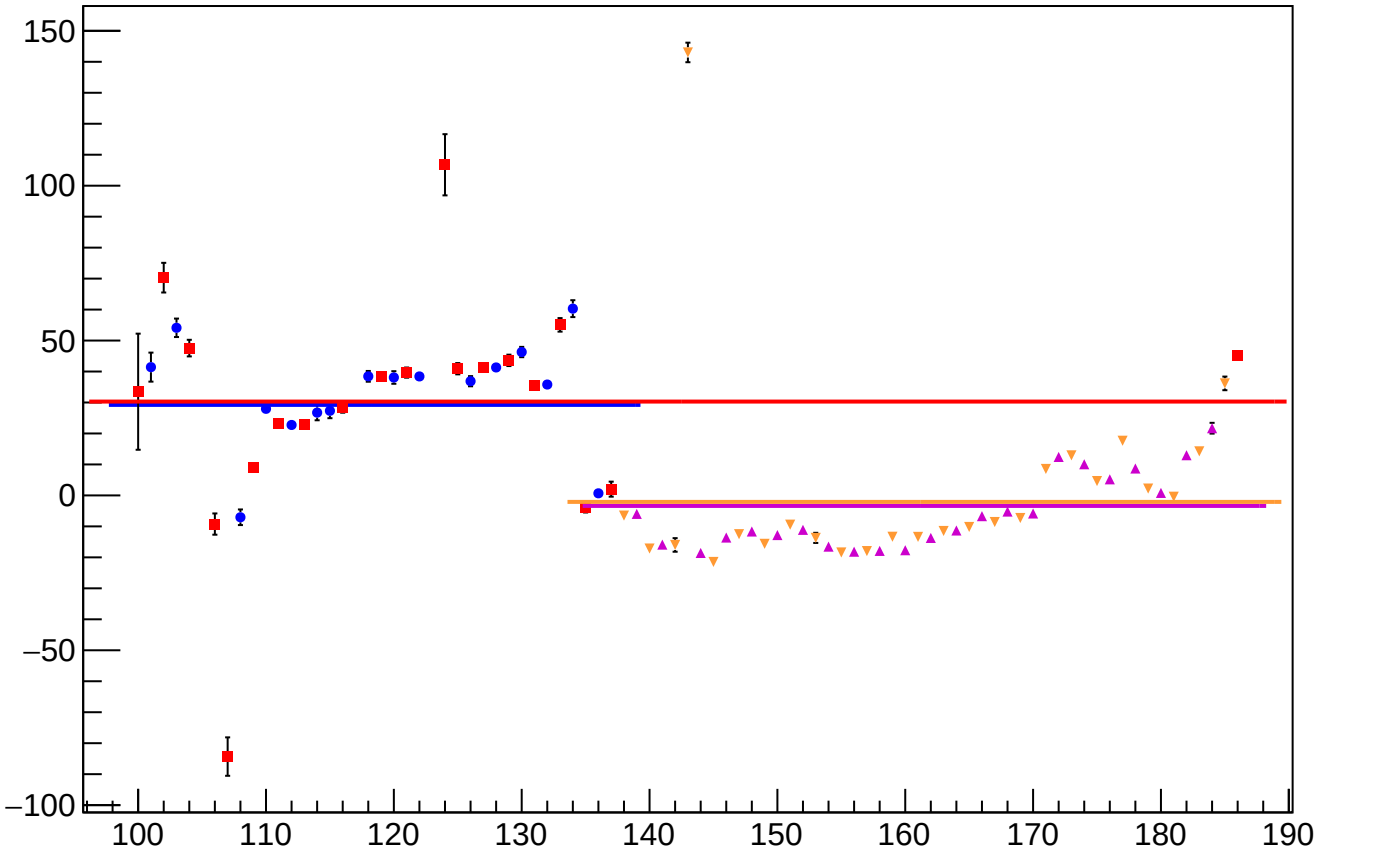
Right Out: -86.688+/-0.066 χ^2/NDF: 493312.9/19

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -125.168+/-0.035 χ^2/NDF: 1028112.9/40

All: -124.759+/-0.025 χ^2/NDF: 2088986.5/83

- sign -124.339+/-0.036 χ^2/NDF: 1060597.5/42



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

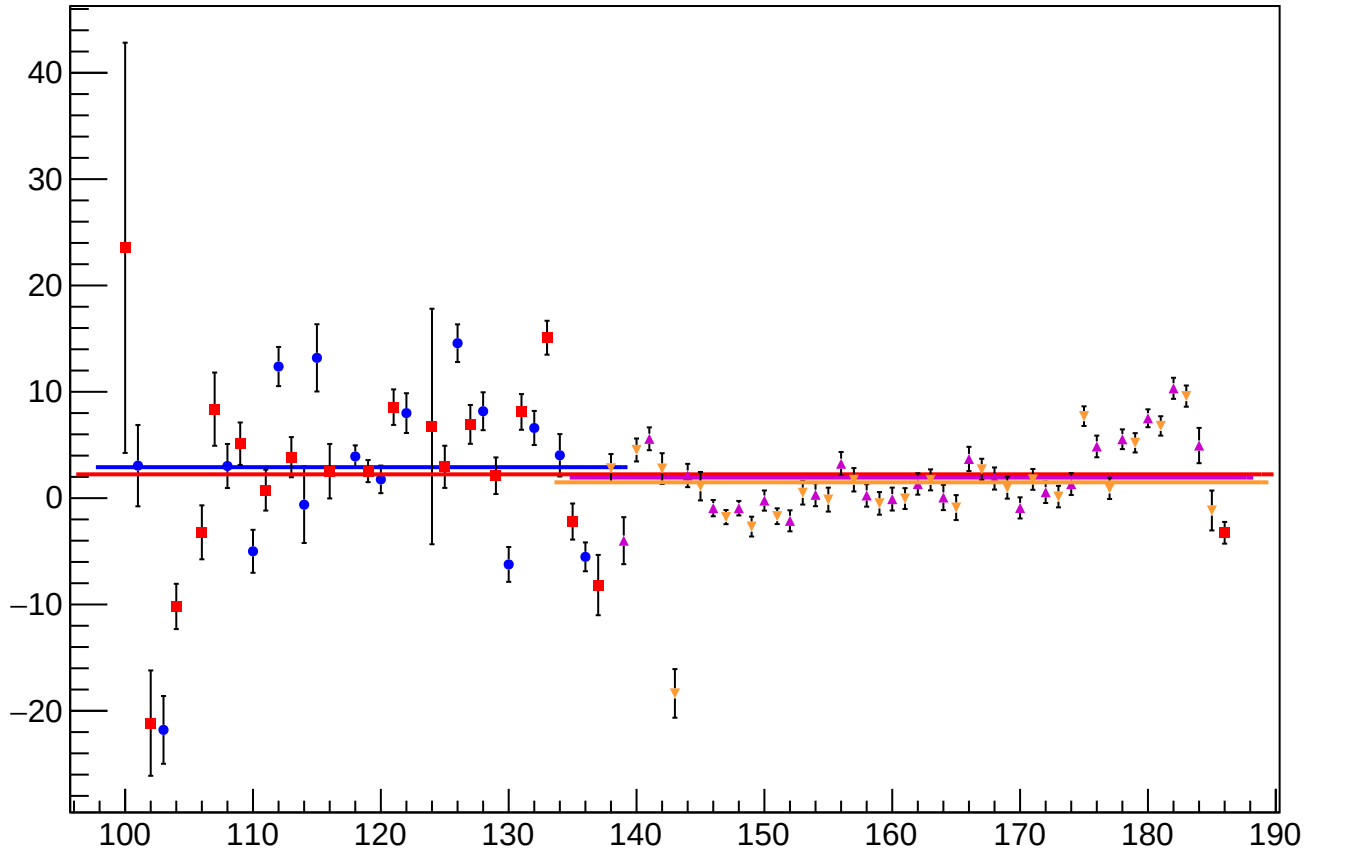
Right Out: 30.300+/-0.370 χ^2/NDF: 2317.9/19

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 6.783+/-0.226 χ^2/NDF: 9449.6/40

All: 7.603+/-0.157 χ^2/NDF: 18931.1/83

\- sign 8.373+/-0.219 χ^2/NDF: 9455.9/42



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

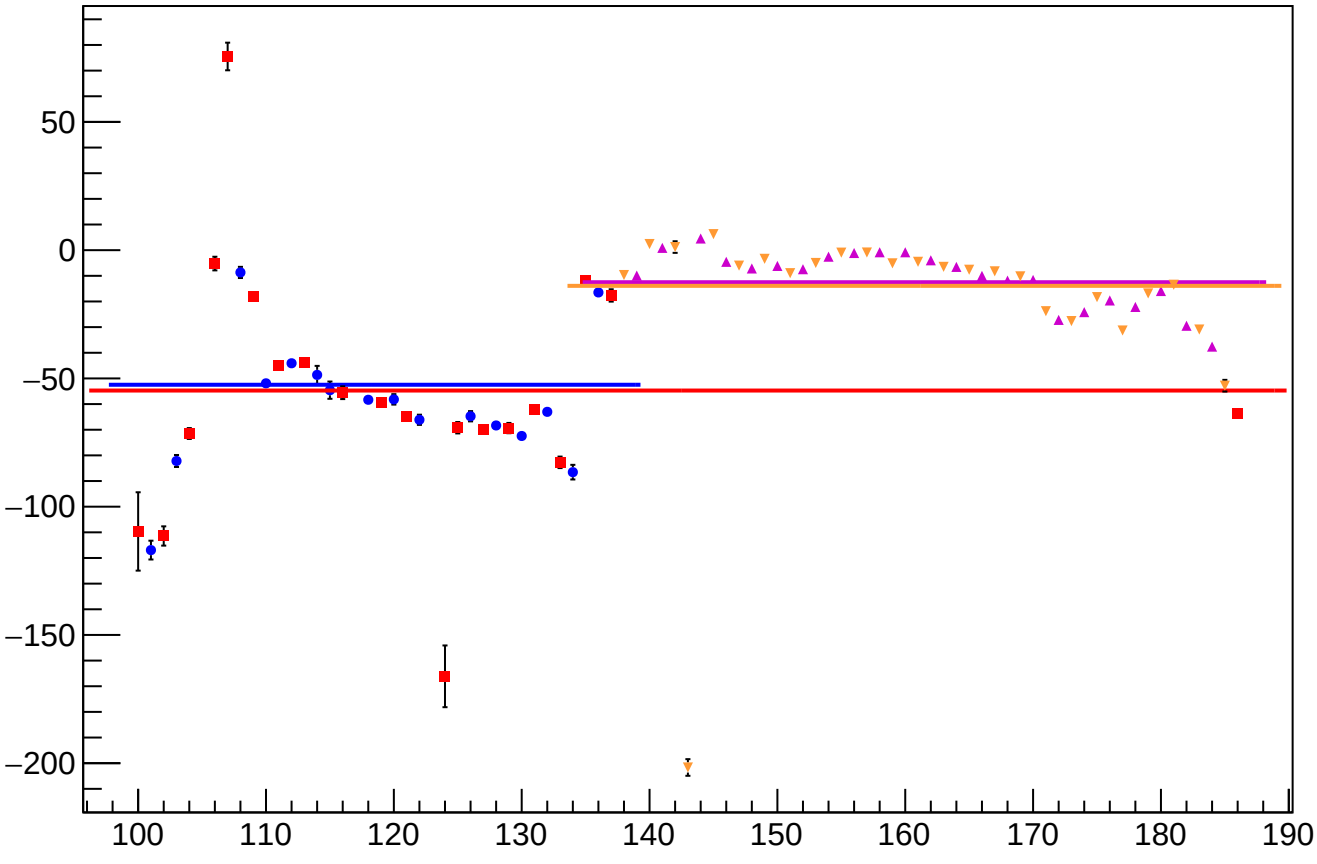
Right Out: 2.240+/-0.414 χ^2/NDF: 216.5/19

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.740+/-0.186 χ^2/NDF: 587.0/40

All: 1.867+/-0.132 χ^2/NDF: 1045.6/83

- sign 1.996+/-0.188 χ^2/NDF: 457.6/42



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

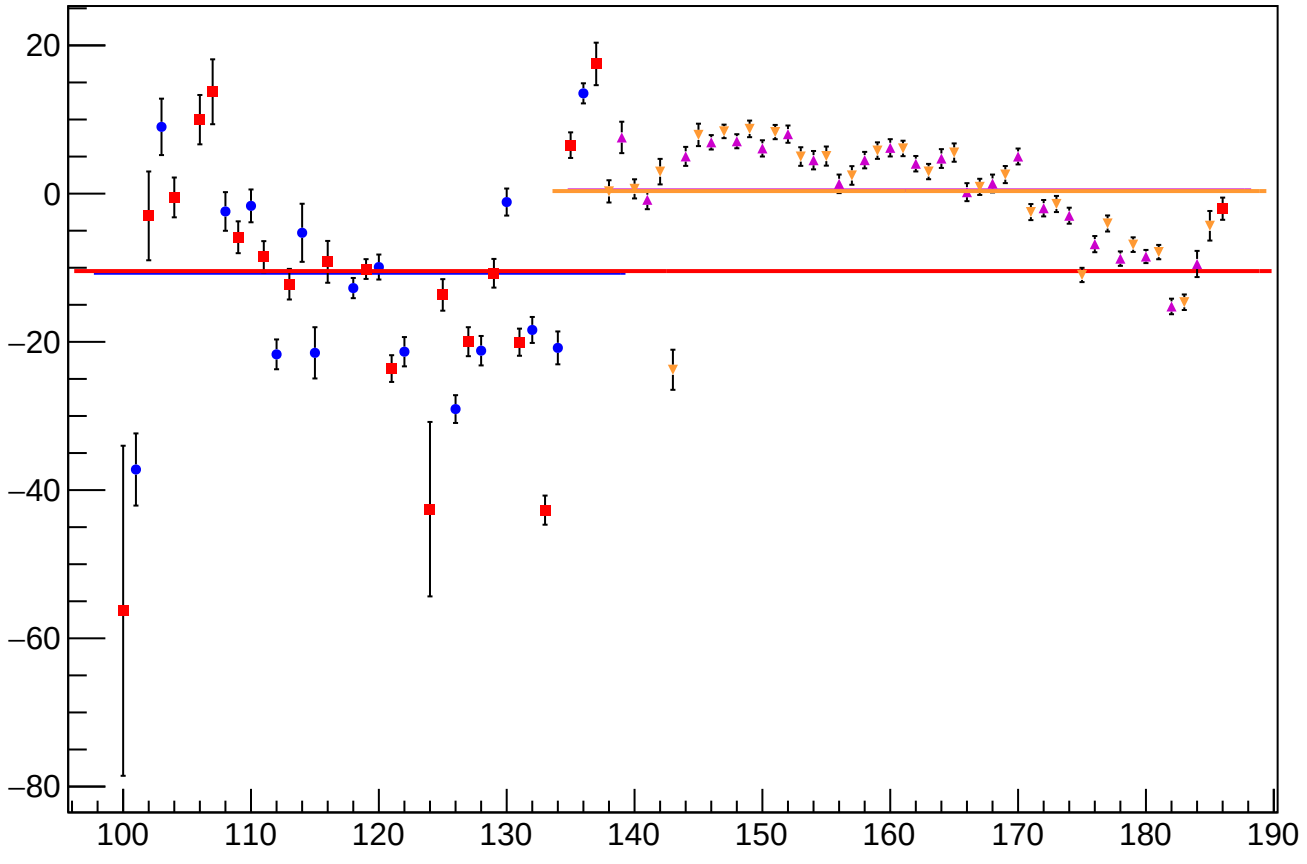
Right Out: -54.722+/-0.396 χ^2/NDF: 3294.6/19

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -22.680+/-0.233 χ^2/NDF: 12285.7/40

All: -24.316+/-0.161 χ^2/NDF: 24893.3/83

- sign -25.810+/-0.222 χ^2/NDF: 12513.0/42



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

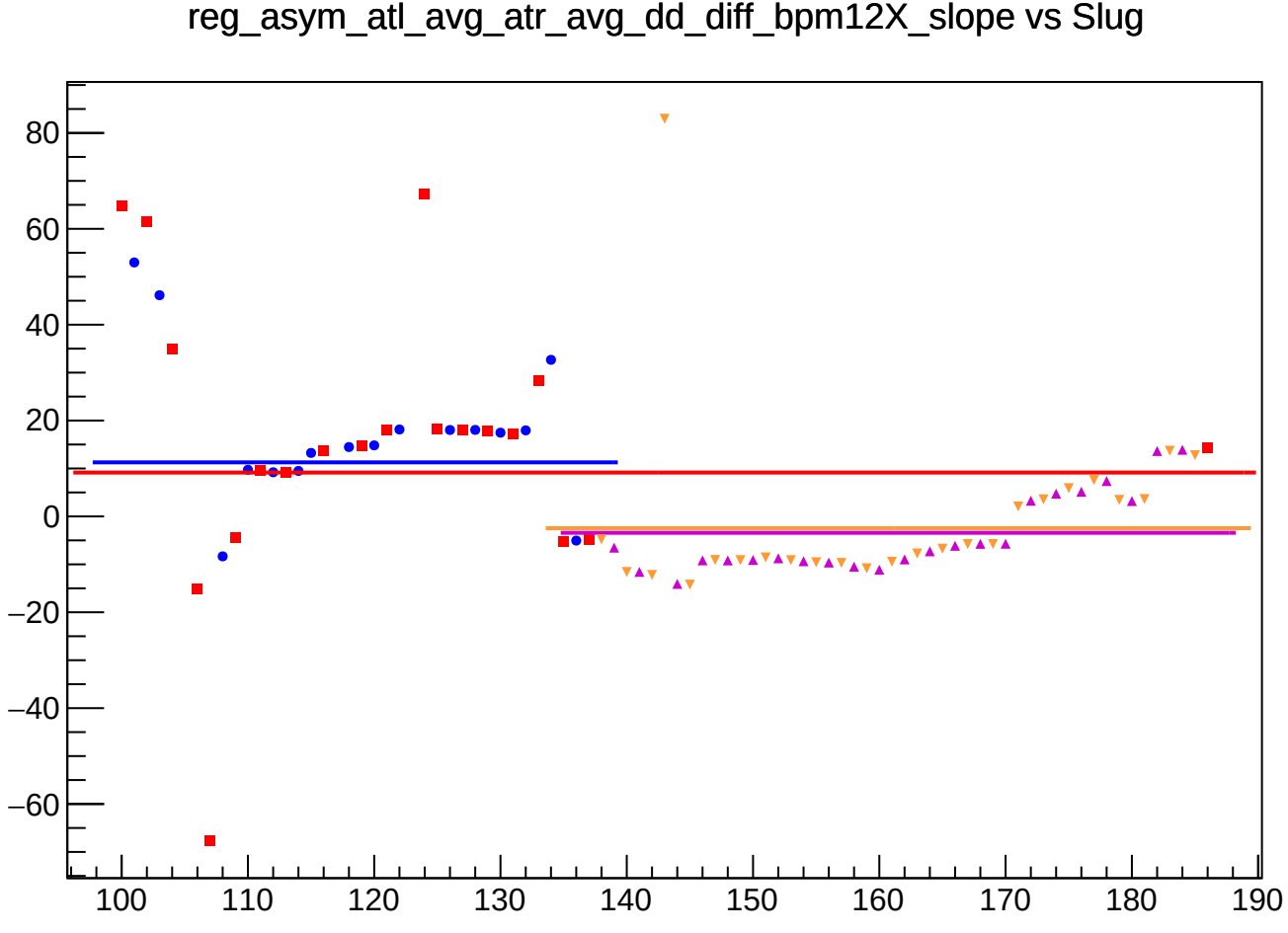
Right Out: -10.450+/-0.488 χ^2/NDF: 701.1/19

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.564+/-0.210 χ^2/NDF: 1981.3/40

All: -1.601+/-0.150 χ^2/NDF: 3867.3/83

\- sign -1.640+/-0.213 χ^2/NDF: 1886.0/42



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

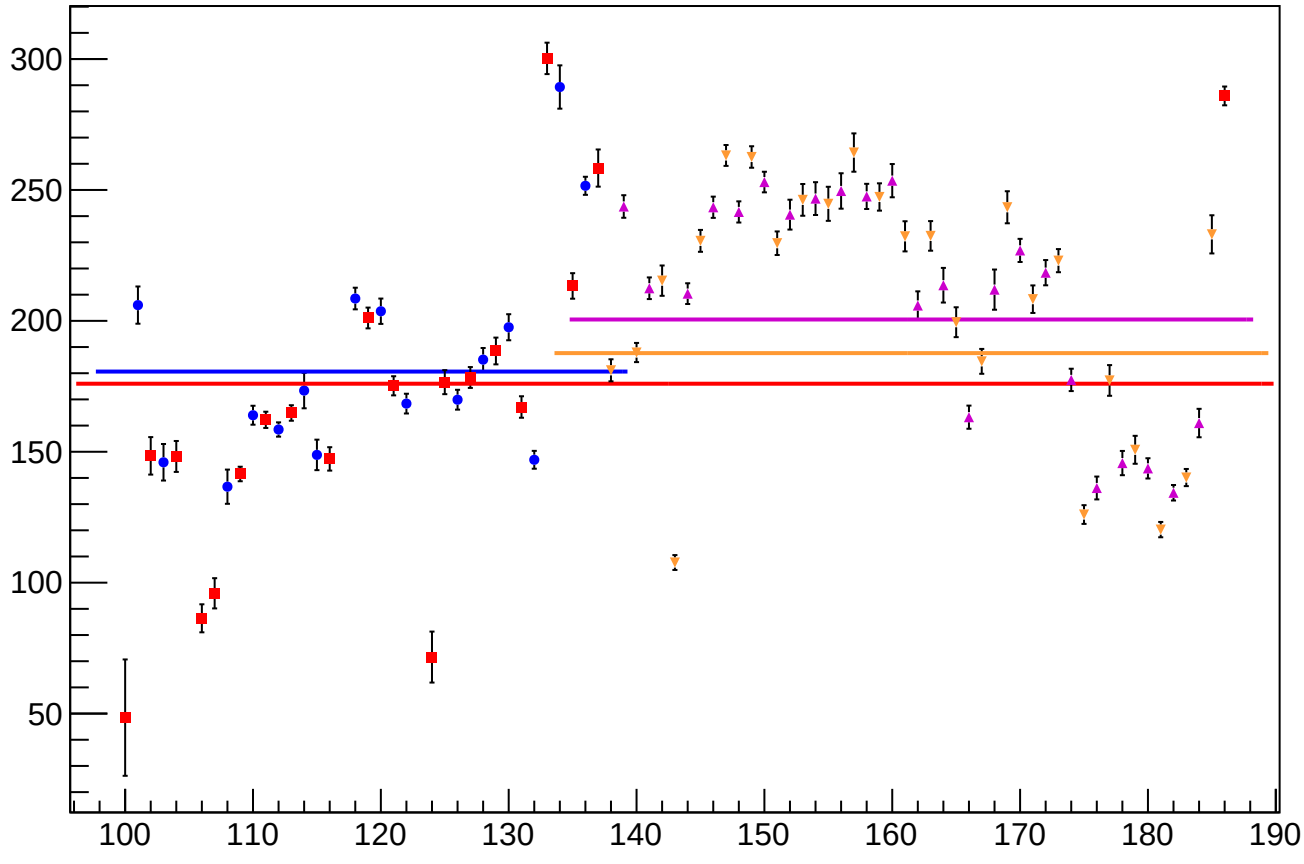
Right Out: 9.149+/-0.030 χ^2/NDF: 438769.4/19

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

\+ sign -0.984+/-0.010 χ^2/NDF: 1499193.4/40

All: -1.524+/-0.007 χ^2/NDF: 2645990.0/83

\- sign -2.073+/-0.010 χ^2/NDF: 1140656.7/42



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

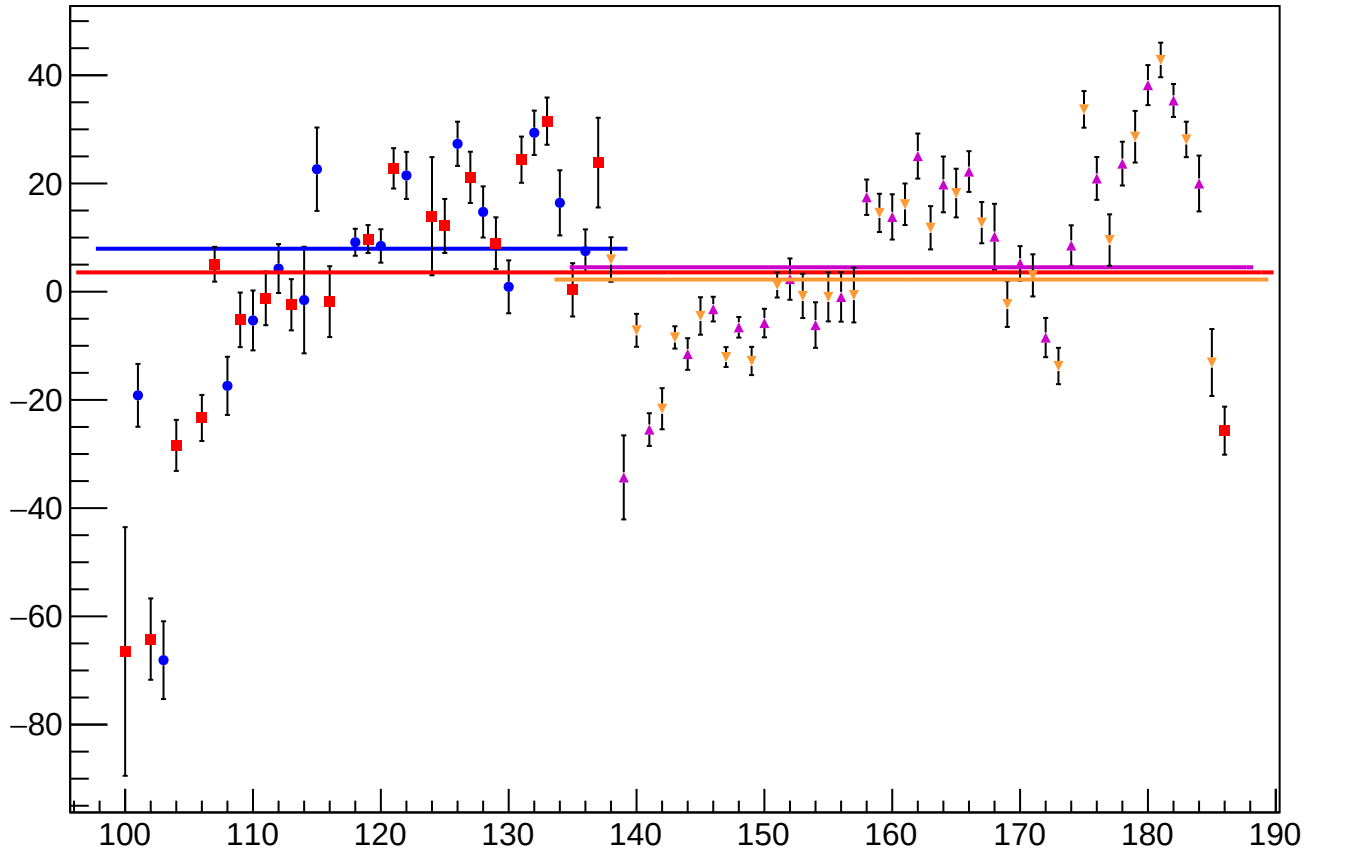
Right Out: 175.993+/-0.982 χ^2/NDF: 2498.3/19

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 184.832+/-0.693 χ^2/NDF: 4546.6/40

All: 186.737+/-0.487 χ^2/NDF: 9492.0/83

- sign 188.597+/-0.685 χ^2/NDF: 4930.4/42



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: 3.568+/-1.033 χ^2/NDF: 348.9/19

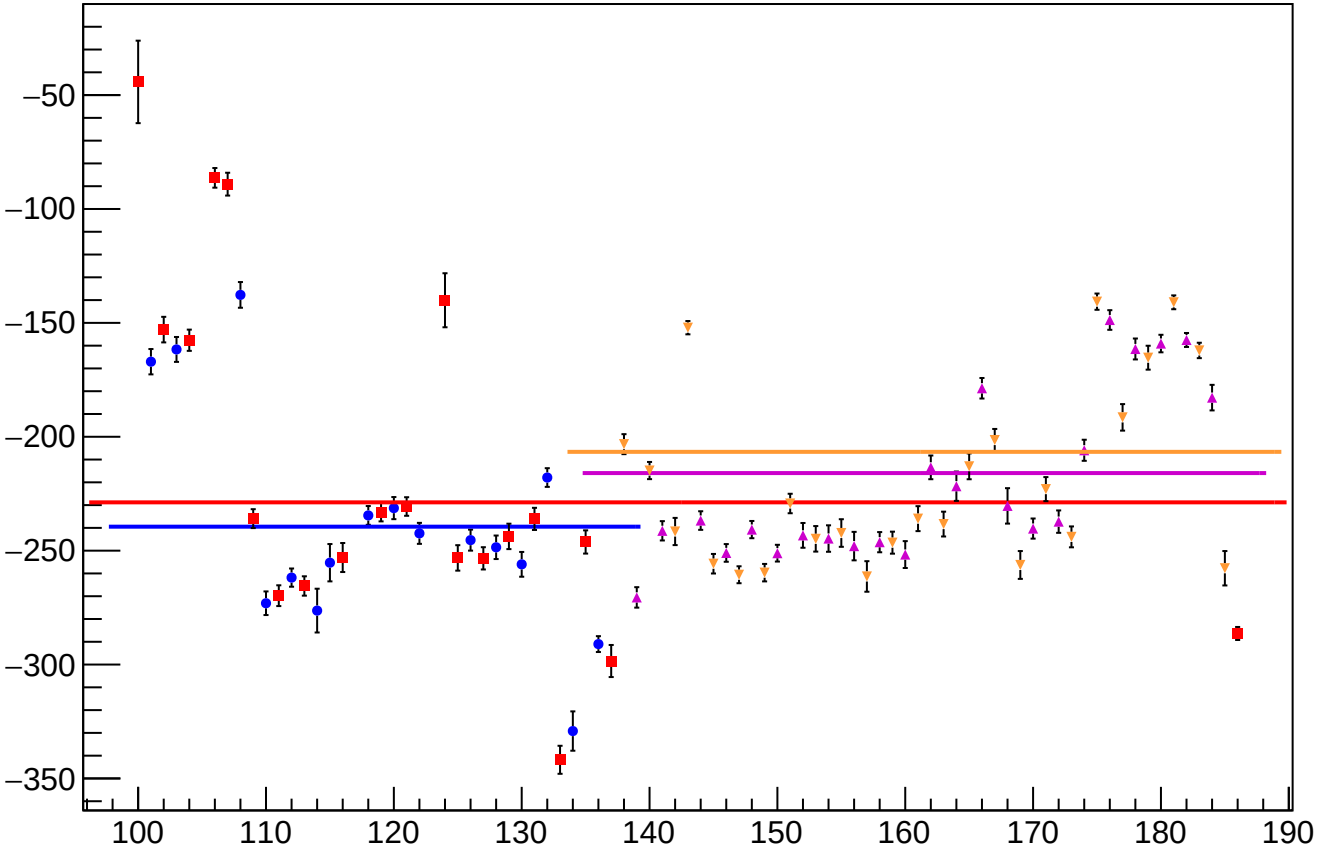
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 3.742+/-0.571 χ^2/NDF: 853.1/40

All: 3.968+/-0.409 χ^2/NDF: 1750.0/83

- sign 4.207+/-0.587 χ^2/NDF: 896.6/42

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

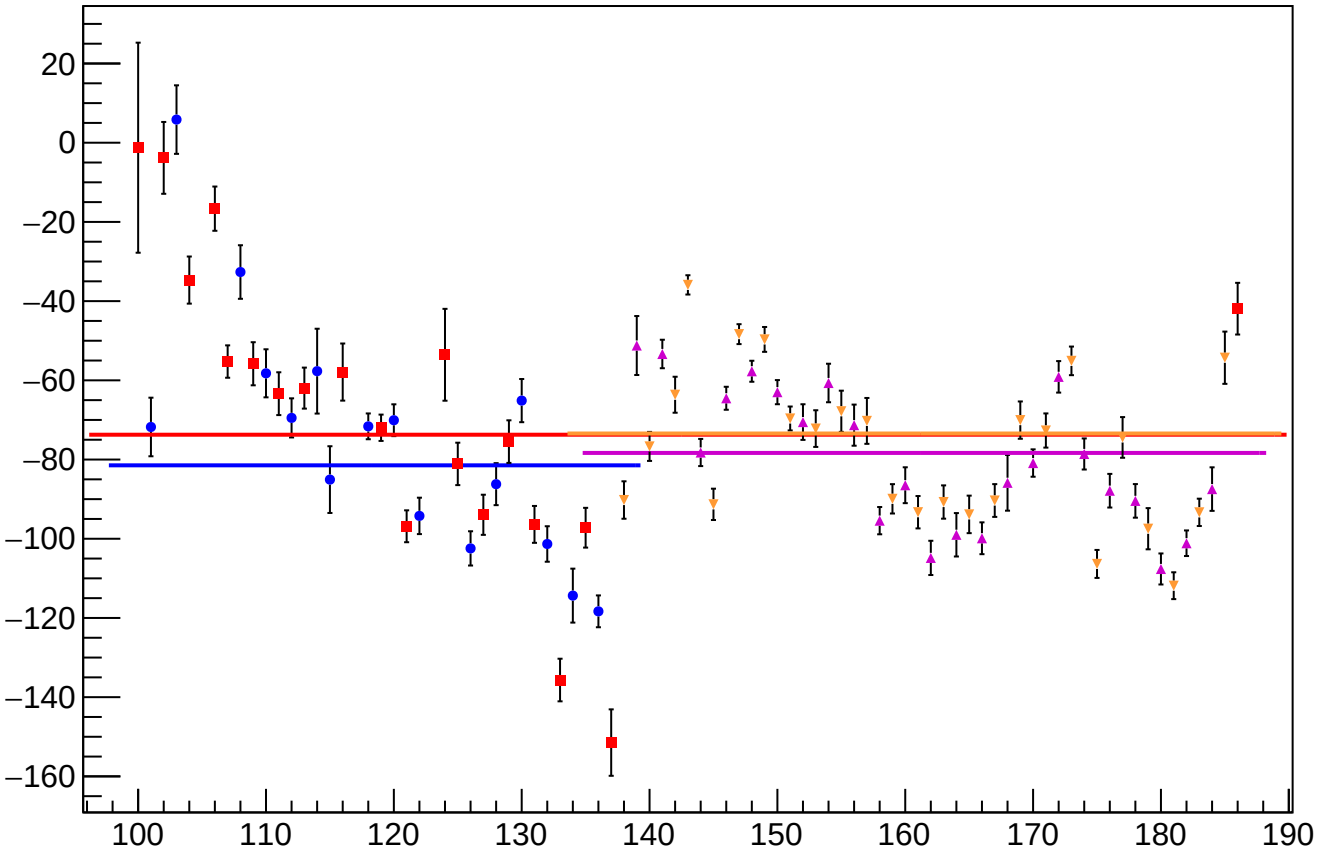
Right Out: -228.792+/-1.088 χ^2/NDF: 3523.0/19

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -217.800+/-0.727 χ^2/NDF: 4088.9/40

All: -219.669+/-0.509 χ^2/NDF: 9416.4/83

- sign -221.474+/-0.714 χ^2/NDF: 5314.5/42



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

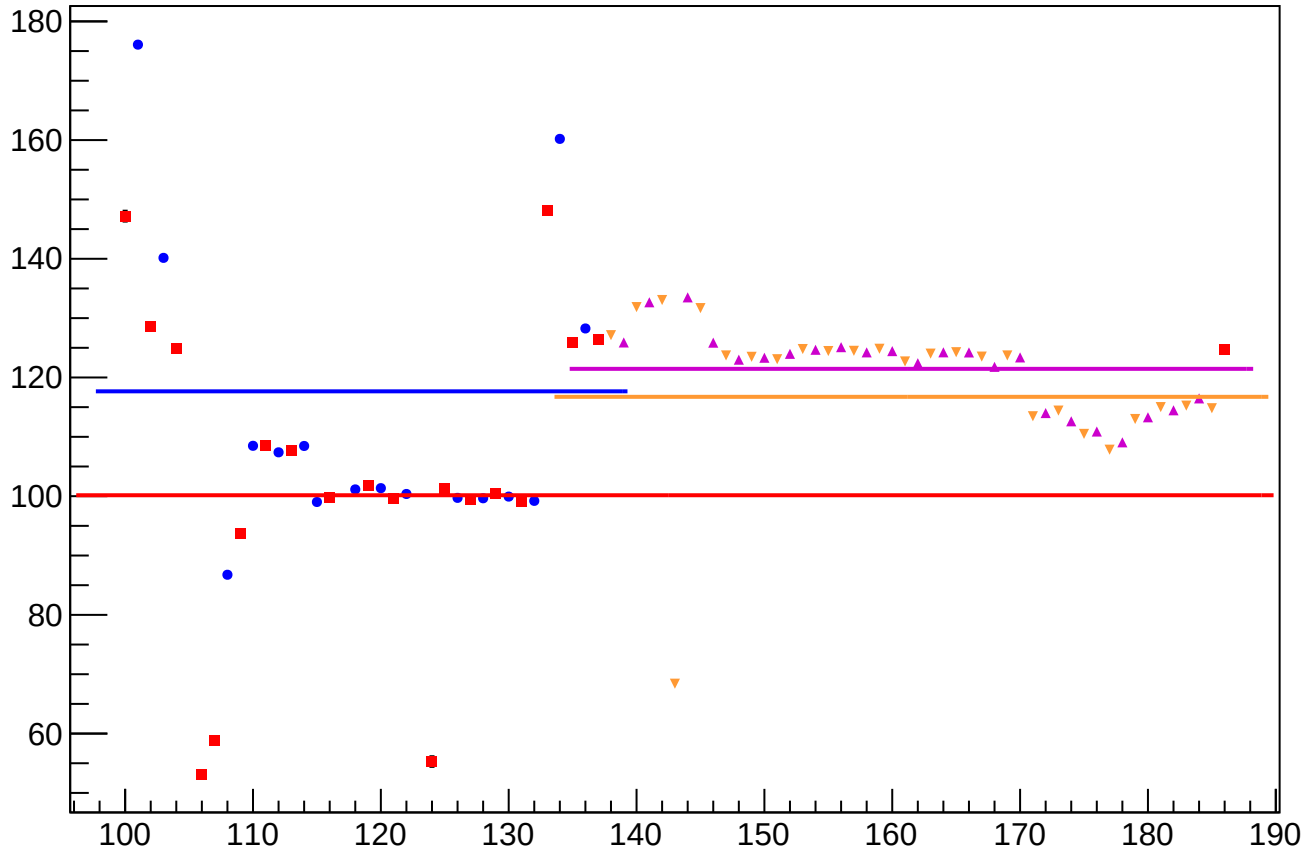
Right Out: -73.731+/-1.209 χ^2/NDF: 601.2/19

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -75.533+/-0.659 χ^2/NDF: 1231.8/40

All: -76.191+/-0.472 χ^2/NDF: 2288.3/83

- sign -76.887+/-0.677 χ^2/NDF: 1054.4/42



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 100.158+/-0.070 χ^2/NDF: 169038.4/19

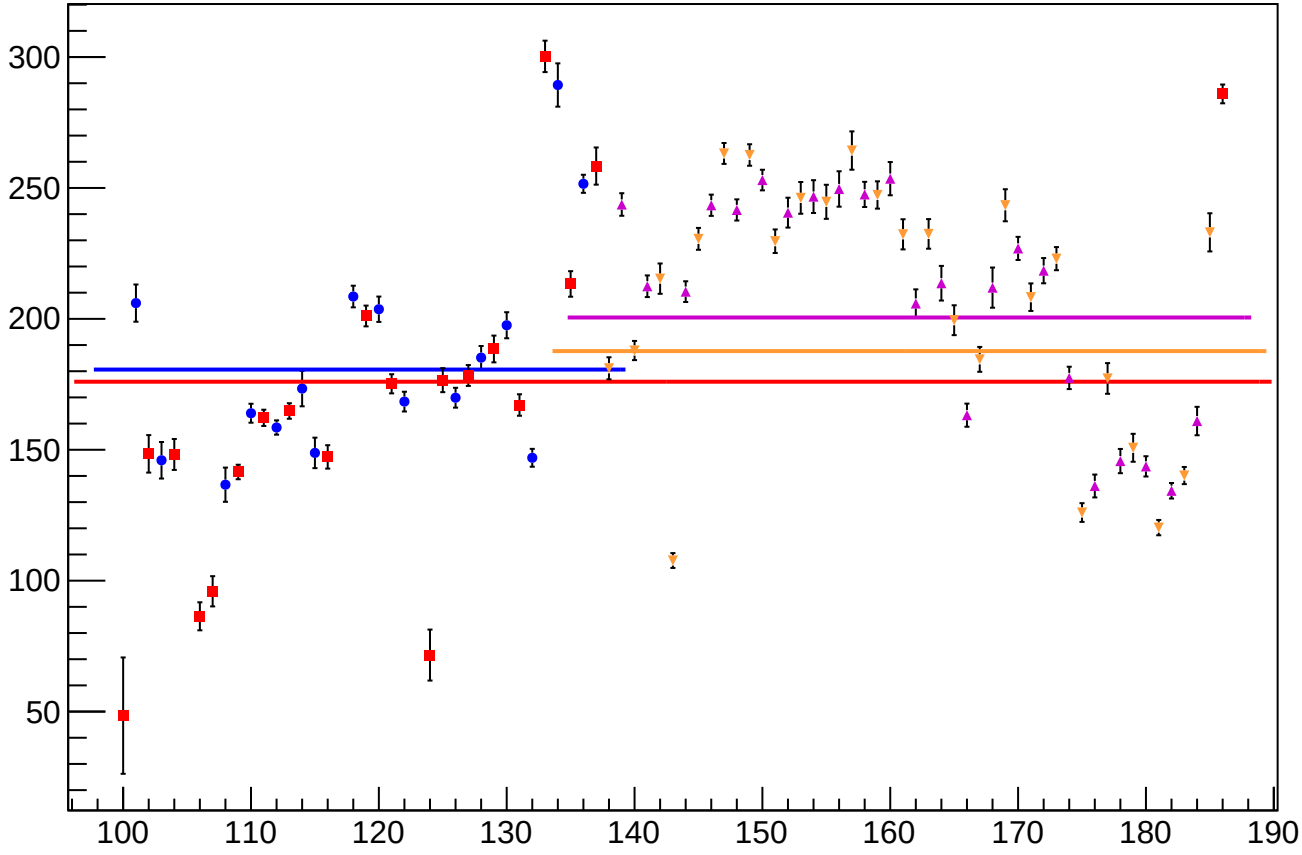
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 116.901+/-0.033 χ^2/NDF: 299163.8/40

All: 116.802+/-0.023 χ^2/NDF: 569915.2/83

- sign 116.701+/-0.033 χ^2/NDF: 270732.8/42

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

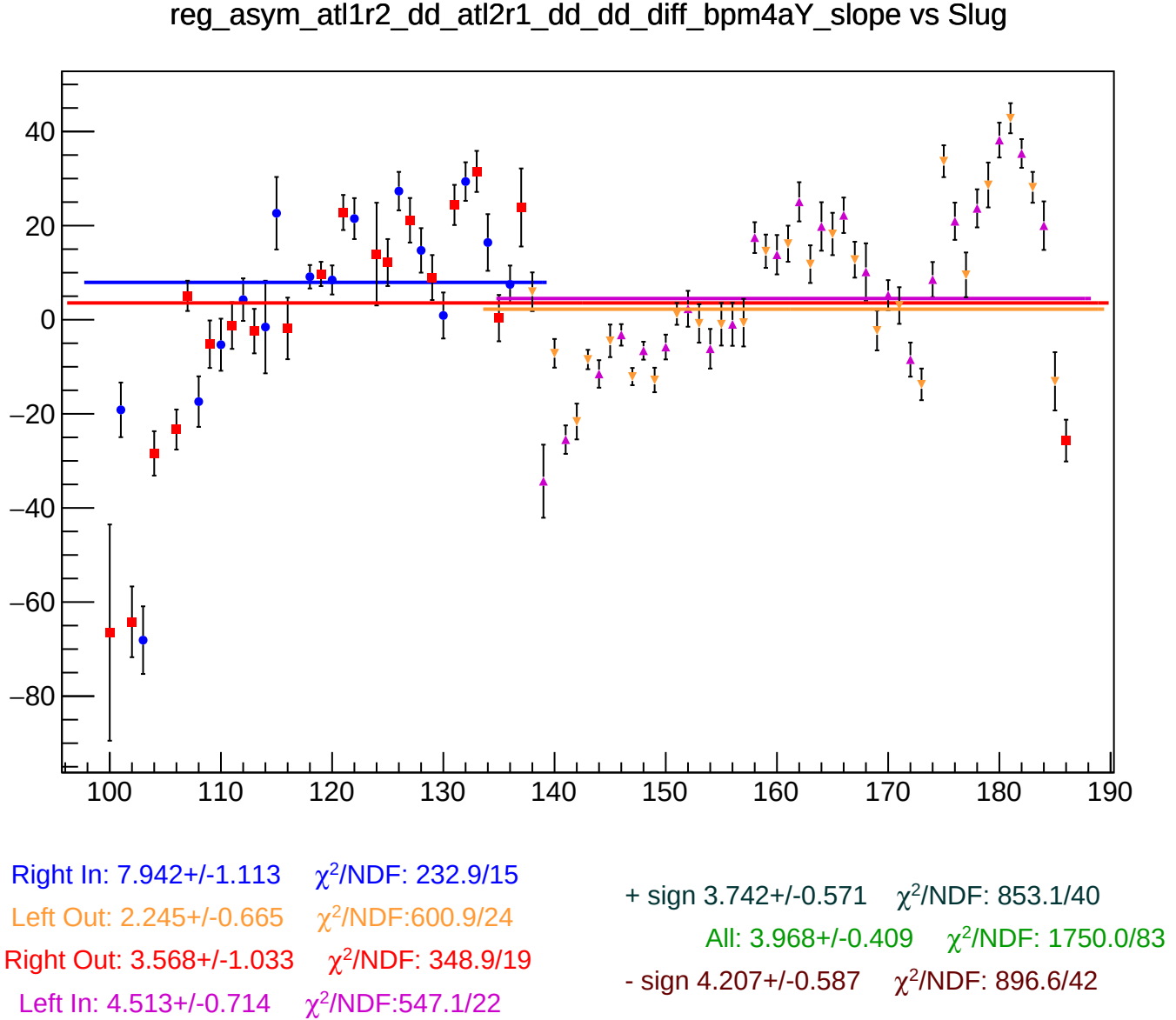
Right Out: 175.993+/-0.982 χ^2/NDF: 2498.3/19

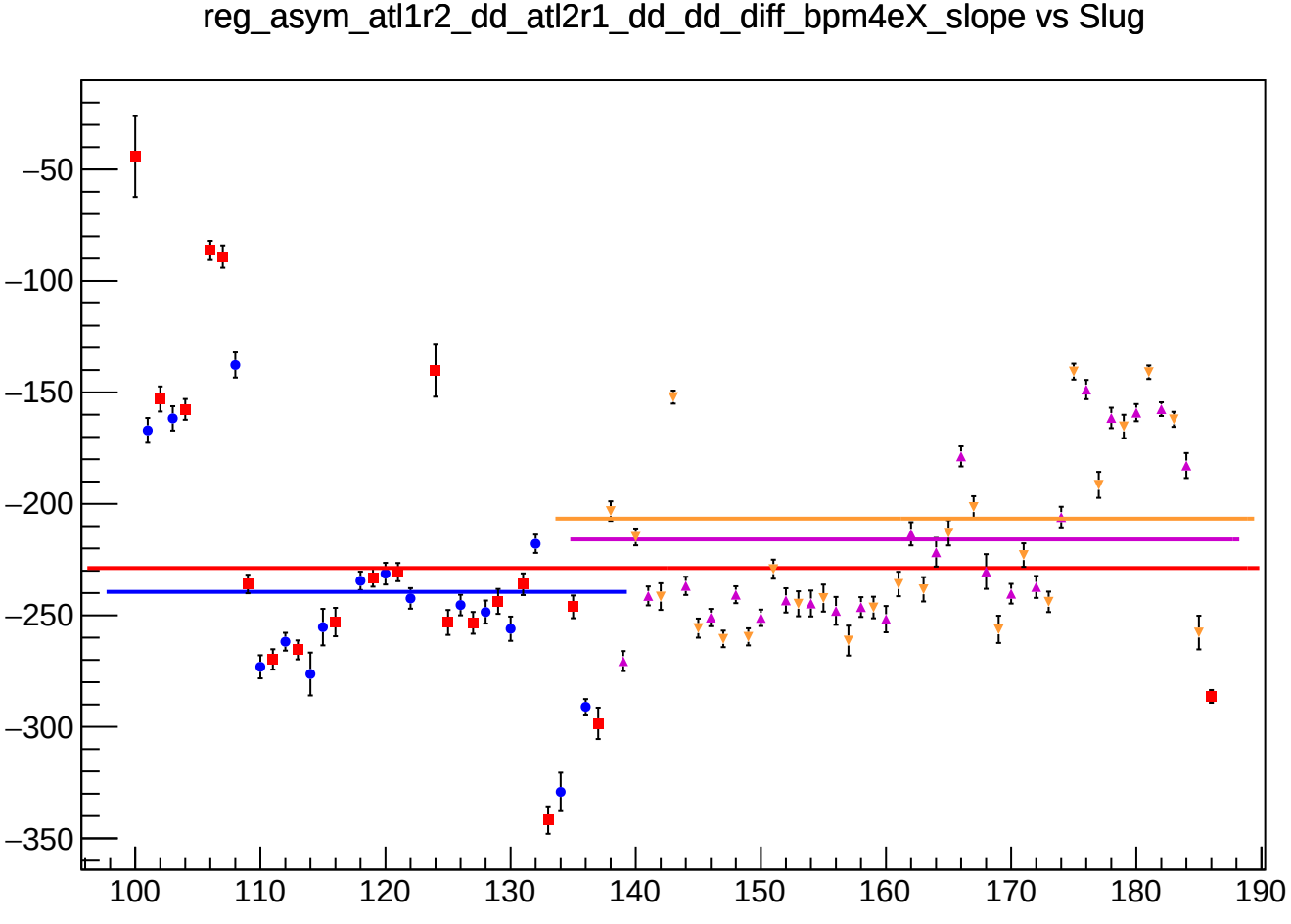
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 184.832+/-0.693 χ^2/NDF: 4546.6/40

All: 186.737+/-0.487 χ^2/NDF: 9492.0/83

- 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: 7.942+/-1.113 χ²/NDF: 232.9/15
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 3.742+/-0.571 χ²/NDF: 853.1/40
All: 3.968+/-0.409 χ²/NDF: 1750.0/83
- sign 4.207+/-0.587 χ²/NDF: 896.6/42



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

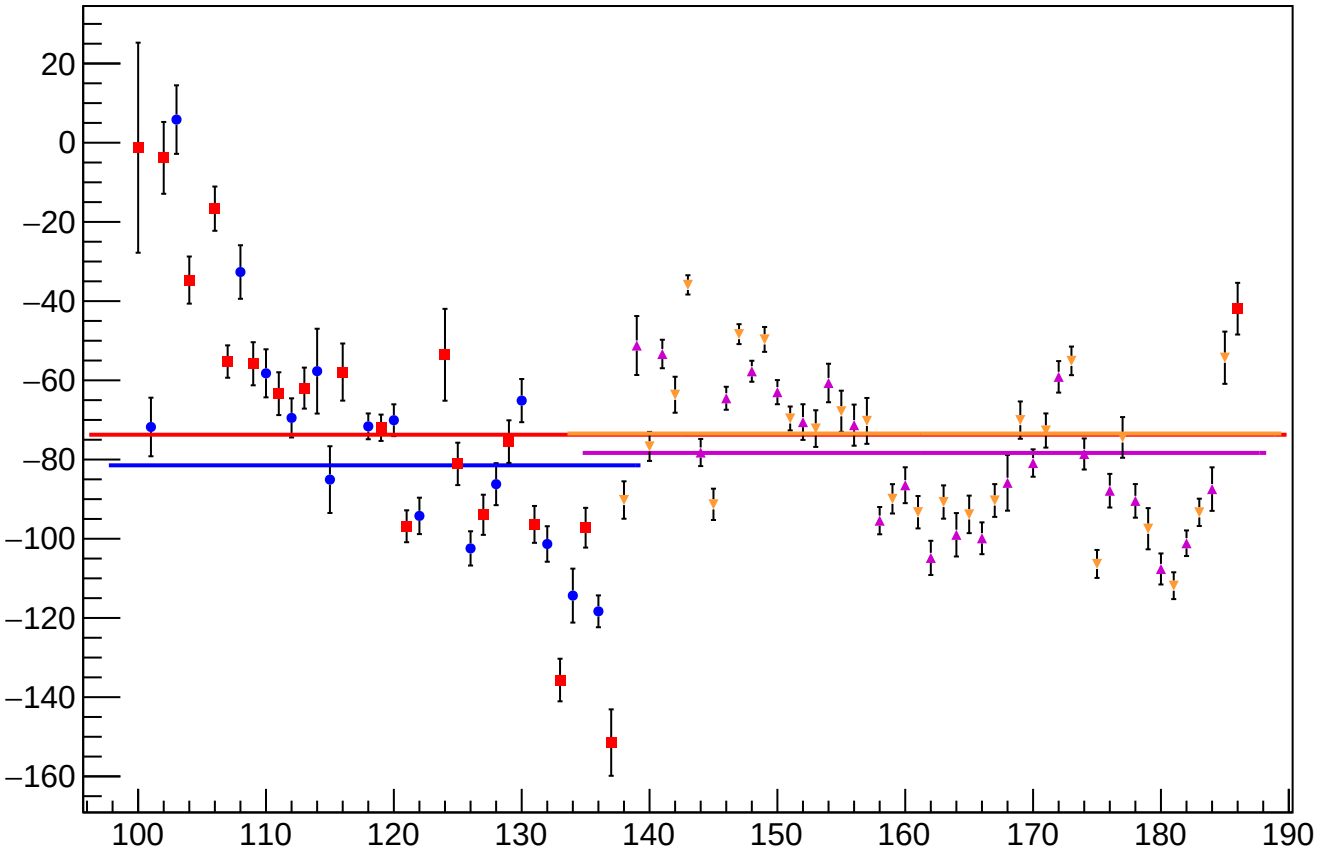
Right Out: -228.792+/-1.088 χ^2/NDF: 3523.0/19

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -217.800+/-0.727 χ^2/NDF: 4088.9/40

All: -219.669+/-0.509 χ^2/NDF: 9416.4/83

- sign -221.474+/-0.714 χ^2/NDF: 5314.5/42



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

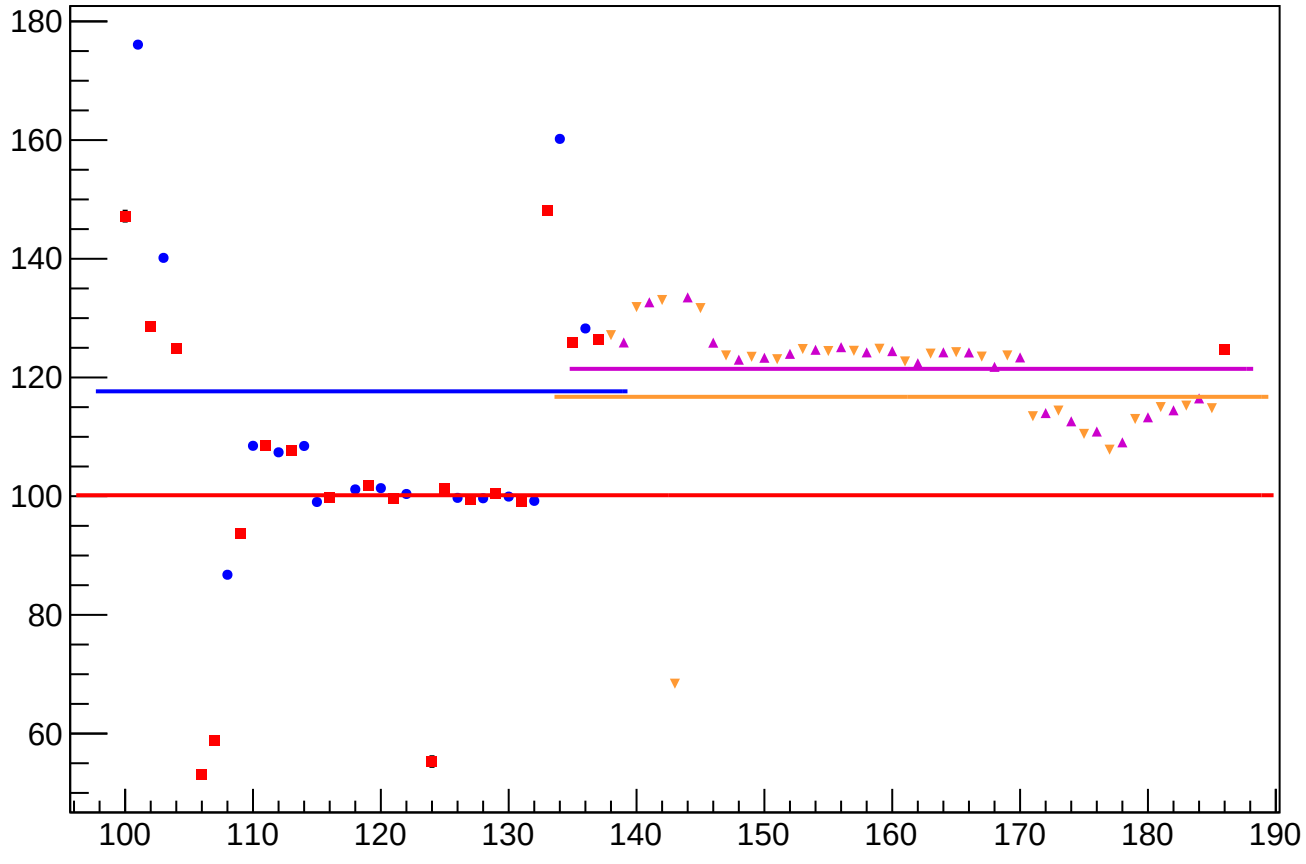
Right Out: -73.731+/-1.209 χ^2/NDF: 601.2/19

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -75.533+/-0.659 χ^2/NDF: 1231.8/40

All: -76.191+/-0.472 χ^2/NDF: 2288.3/83

- sign -76.887+/-0.677 χ^2/NDF: 1054.4/42



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

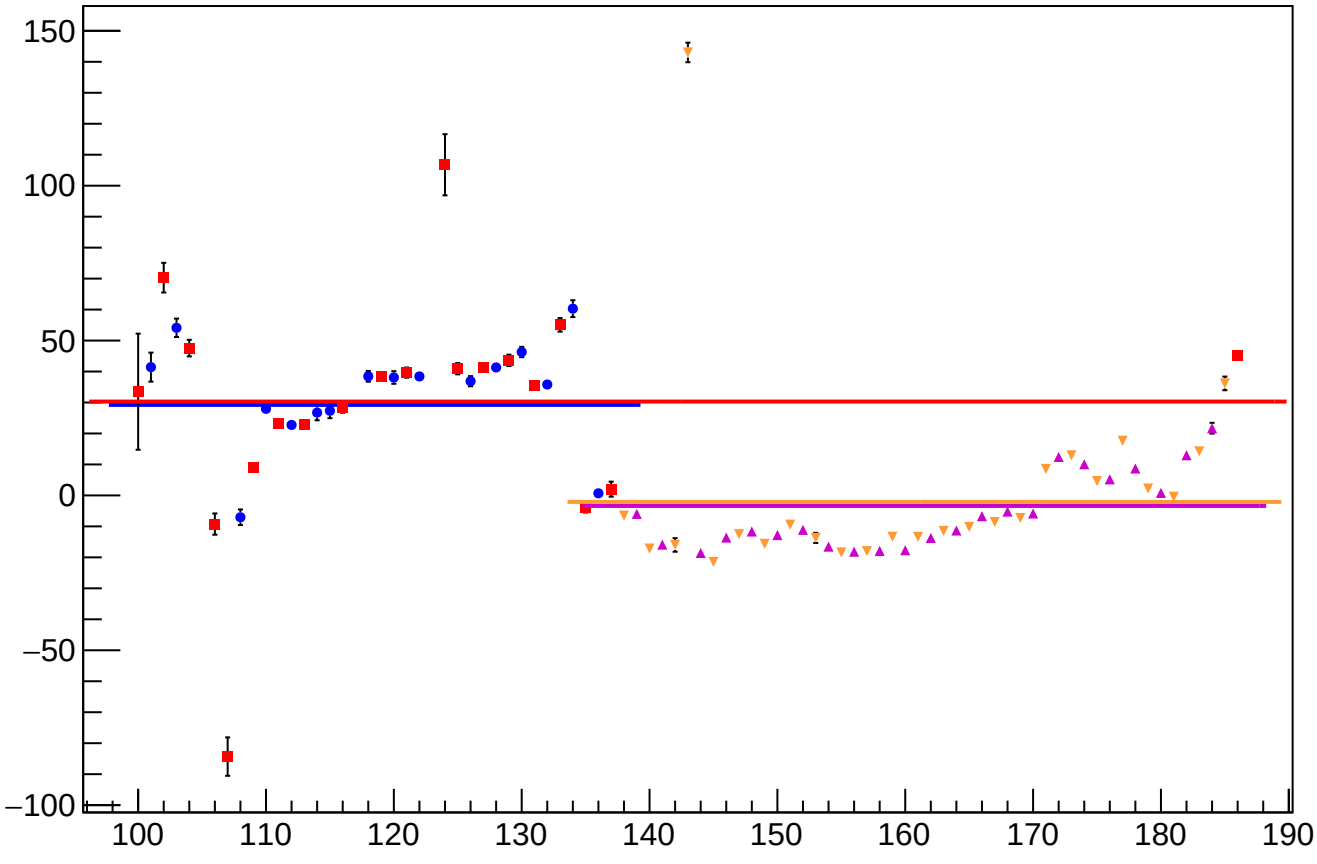
Right Out: 100.158+/-0.070 χ^2/NDF: 169038.4/19

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 116.901+/-0.033 χ^2/NDF: 299163.8/40

All: 116.802+/-0.023 χ^2/NDF: 569915.2/83

- sign 116.701+/-0.033 χ^2/NDF: 270732.8/42



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

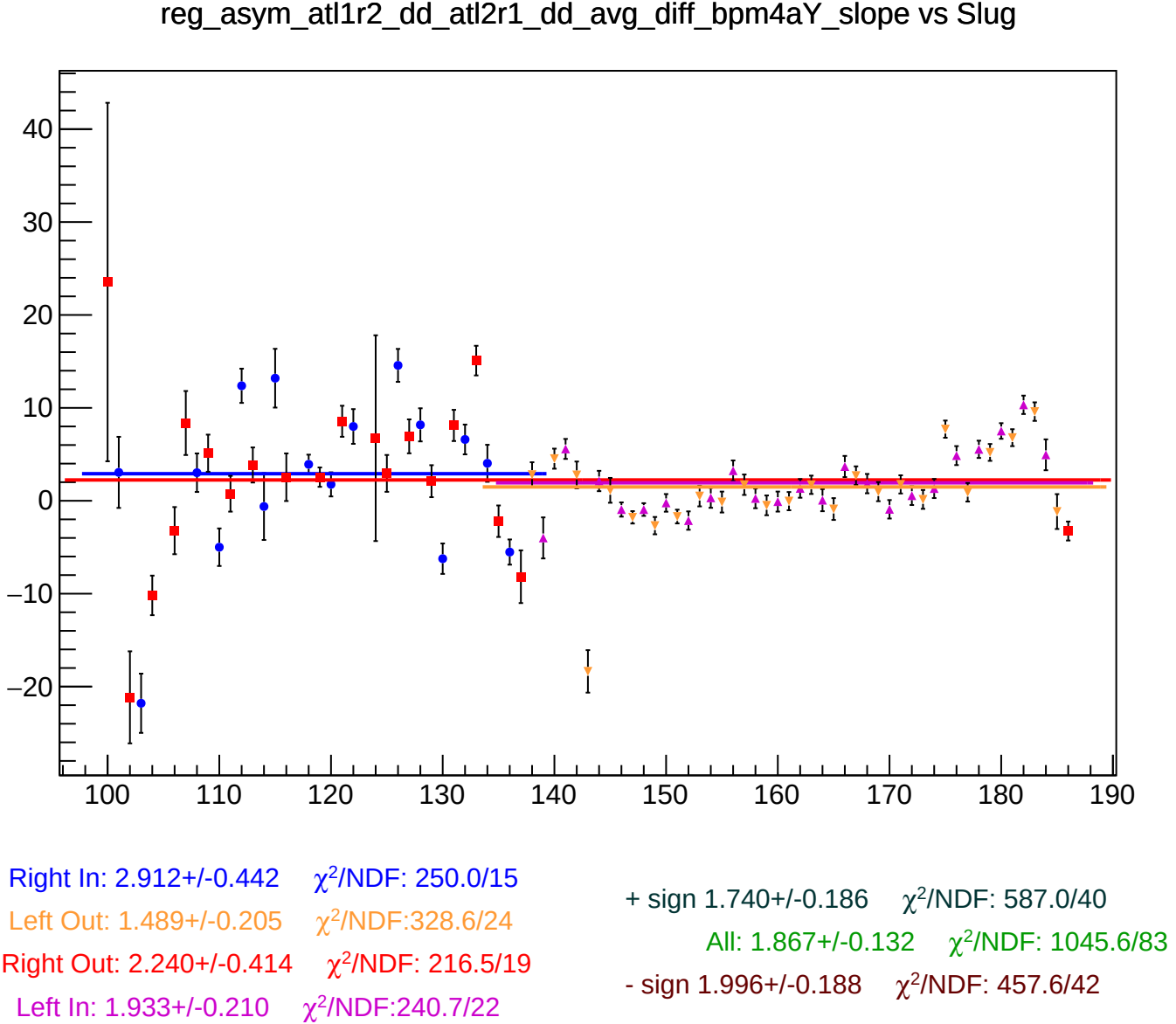
Right Out: 30.300+/-0.370 χ^2/NDF: 2317.9/19

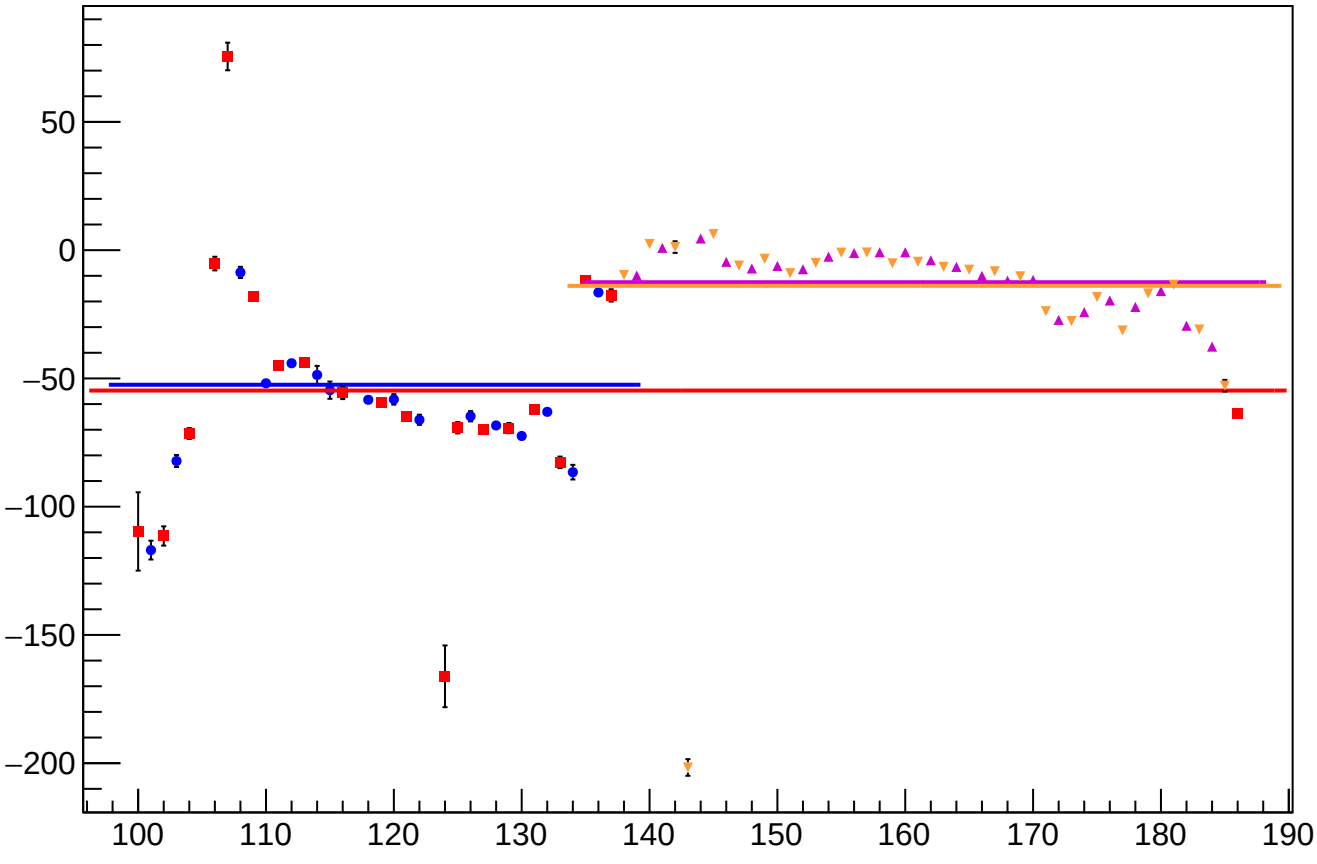
Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 6.783+/-0.226 χ^2/NDF: 9449.6/40

All: 7.603+/-0.157 χ^2/NDF: 18931.1/83

- sign 8.373+/-0.219 χ^2/NDF: 9455.9/42


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
190
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: 1.489+/-0.205 χ²/NDF:328.6/24
Right Out: 2.240+/-0.414 χ²/NDF: 216.5/19
Left In: 1.933+/-0.210 χ²/NDF:240.7/22
+ sign 1.740+/-0.186 χ²/NDF: 587.0/40
All: 1.867+/-0.132 χ²/NDF: 1045.6/83
- sign 1.996+/-0.188 χ²/NDF: 457.6/42



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

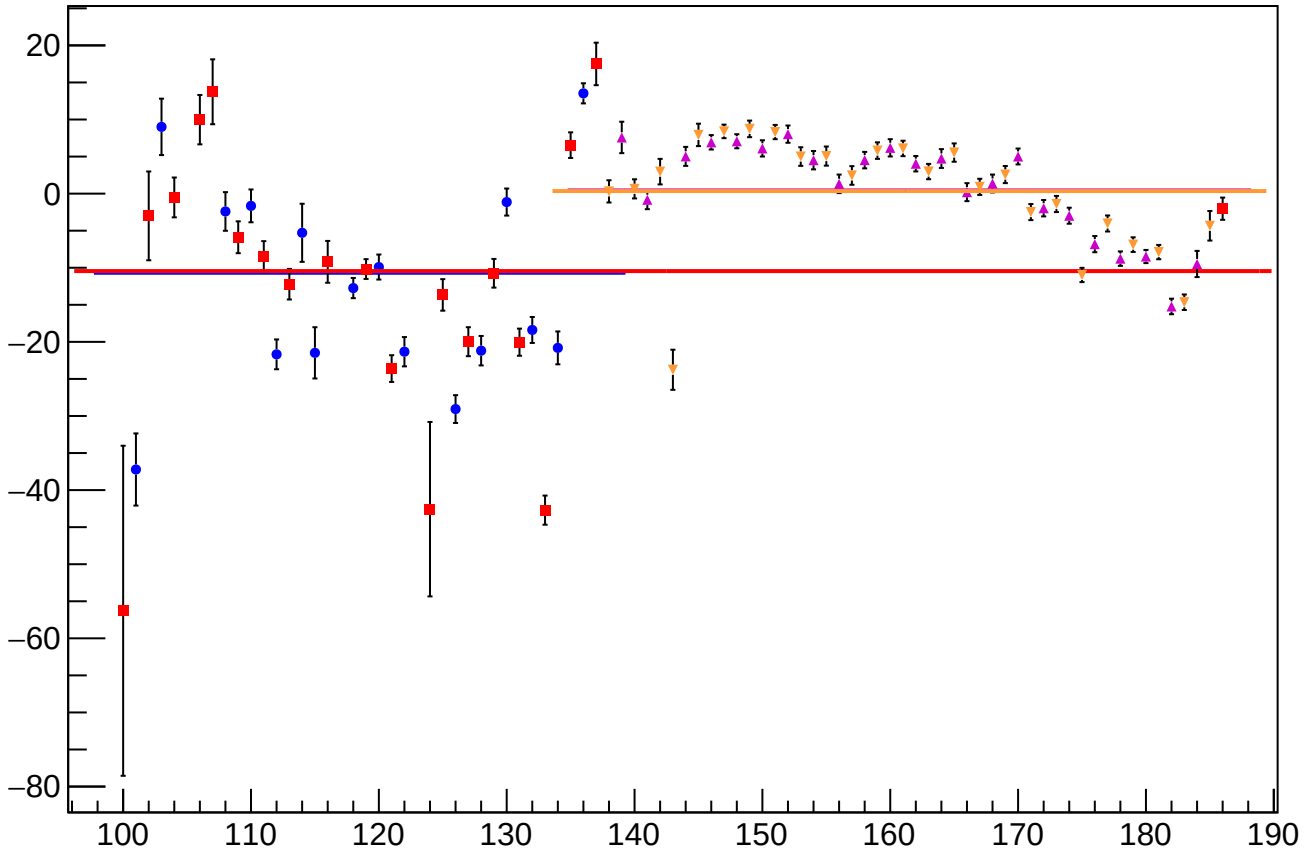
Right Out: -54.722+/-0.396 χ^2/NDF: 3294.6/19

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -22.680+/-0.233 χ^2/NDF: 12285.7/40

All: -24.316+/-0.161 χ^2/NDF: 24893.3/83

- sign -25.810+/-0.222 χ^2/NDF: 12513.0/42



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

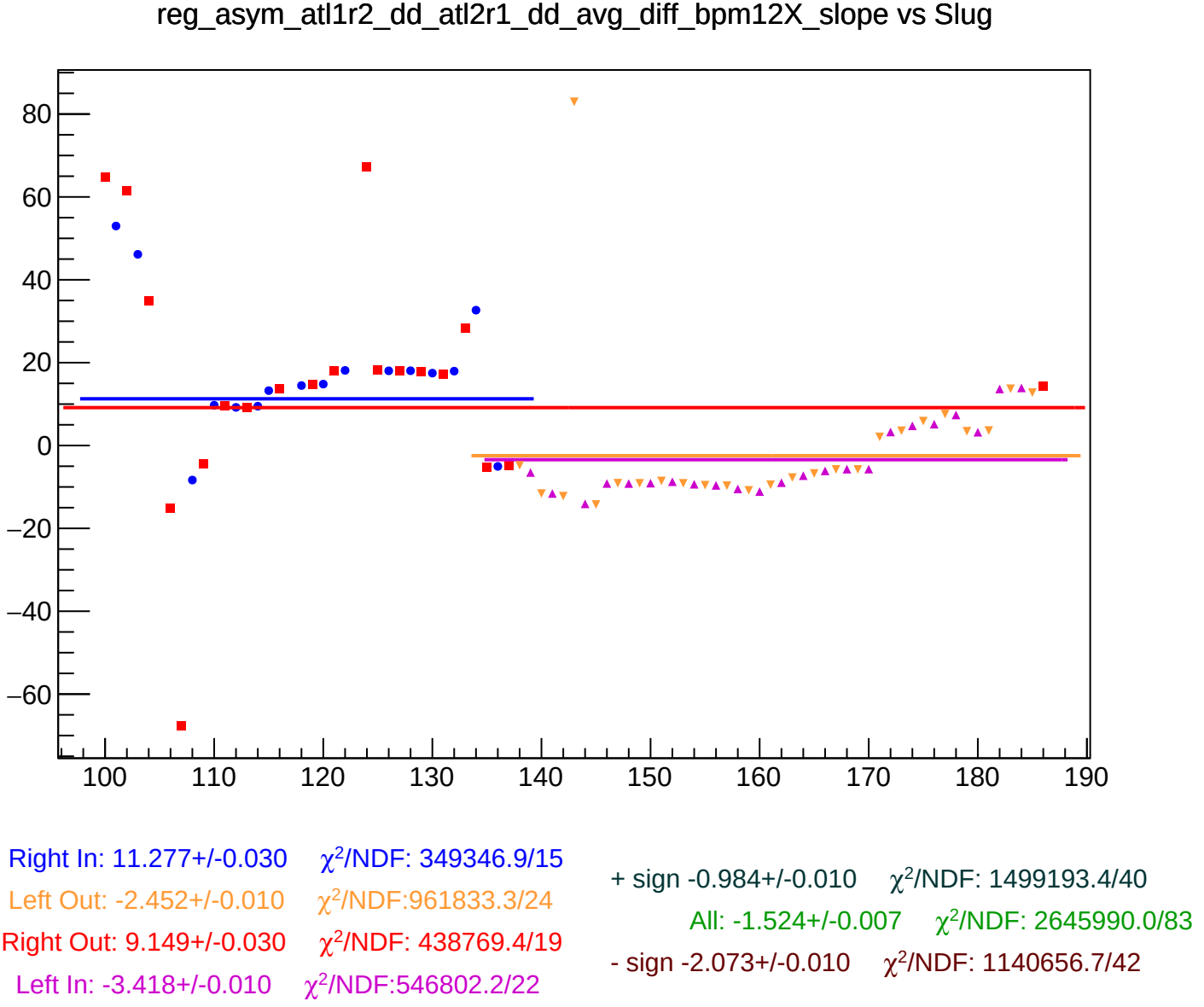
Right Out: -10.450+/-0.488 χ^2/NDF: 701.1/19

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.564+/-0.210 χ^2/NDF: 1981.3/40

All: -1.601+/-0.150 χ^2/NDF: 3867.3/83

\- sign -1.640+/-0.213 χ^2/NDF: 1886.0/42


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug
80
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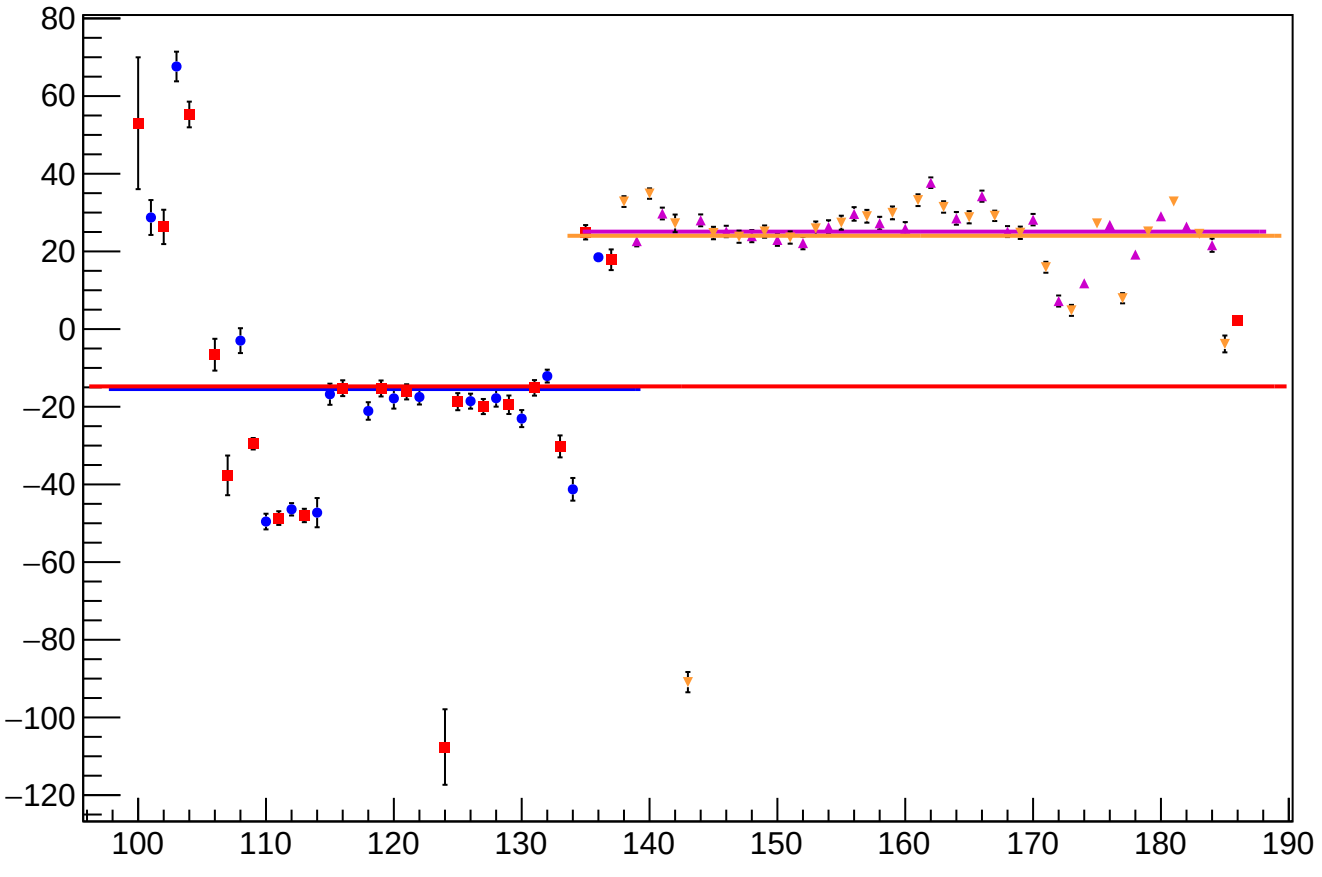
160
170
180
190
Right In: 11.277+/-0.030 χ²/NDF: 349346.9/15
Left Out: -2.452+/-0.010 χ²/NDF:961833.3/24
Right Out: 9.149+/-0.030 χ²/NDF: 438769.4/19
Left In: -3.418+/-0.010 χ²/NDF:546802.2/22
+ sign -0.984+/-0.010 χ²/NDF: 1499193.4/40
All: -1.524+/-0.007 χ²/NDF: 2645990.0/83
- sign -2.073+/-0.010 χ²/NDF: 1140656.7/42



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

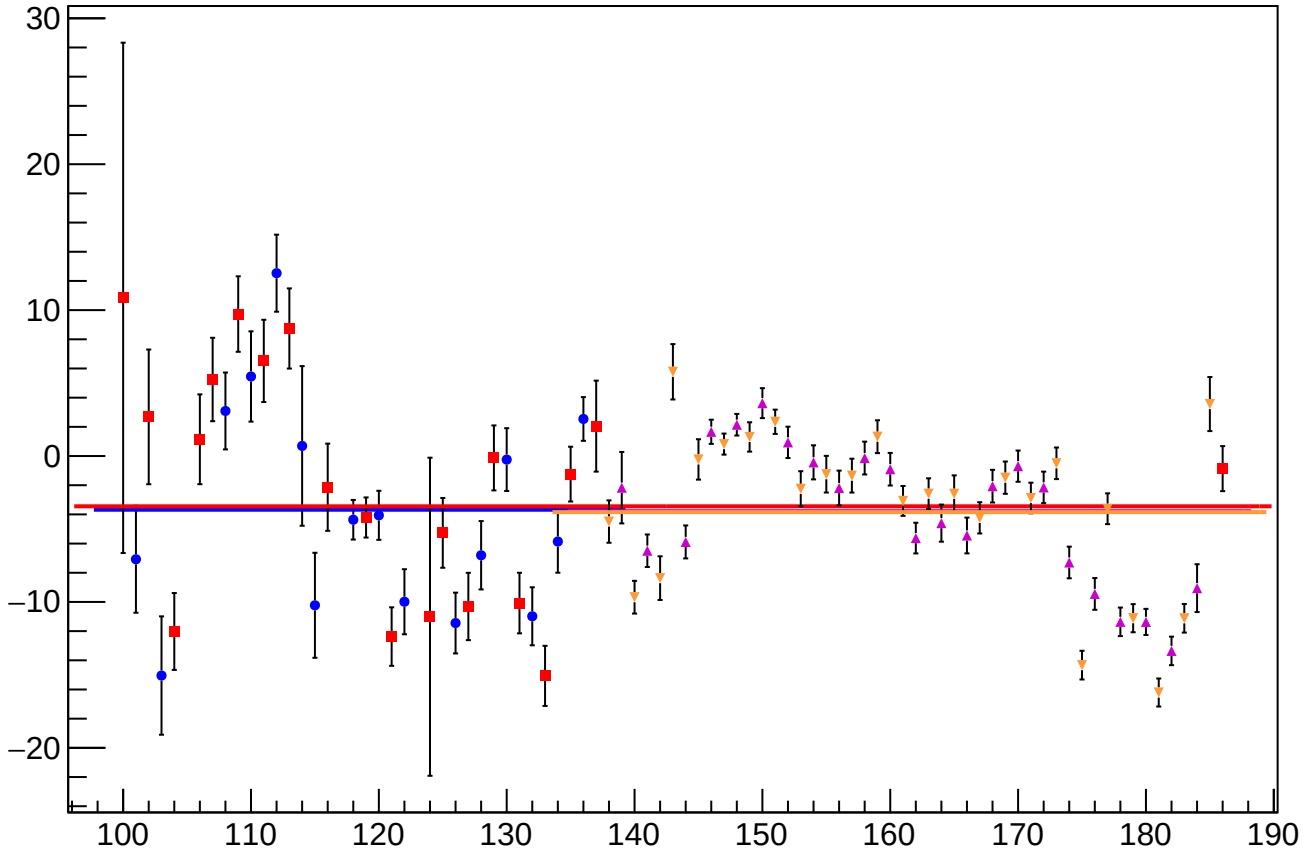
Right Out: -14.757+/-0.487 χ^2/NDF: 2345.9/19

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.545+/-0.250 χ^2/NDF: 9134.2/40

All: 15.173+/-0.176 χ^2/NDF: 16946.0/83

- sign 14.808+/-0.247 χ^2/NDF: 7807.4/42



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

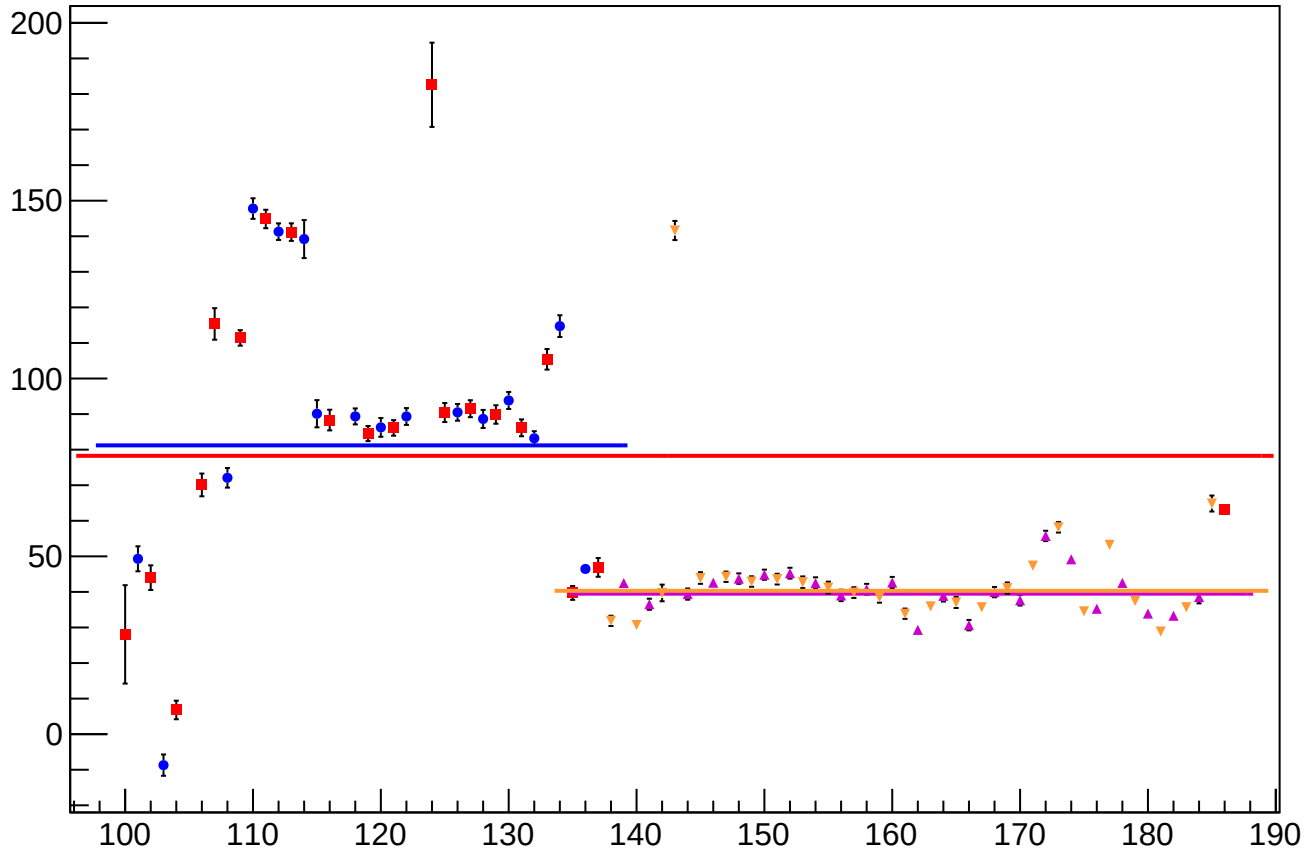
Right Out: -3.446+/-0.530 χ^2/NDF: 164.4/19

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.823+/-0.203 χ^2/NDF: 773.4/40

All: -3.777+/-0.144 χ^2/NDF: 1448.1/83

- sign -3.729+/-0.206 χ^2/NDF: 674.6/42



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

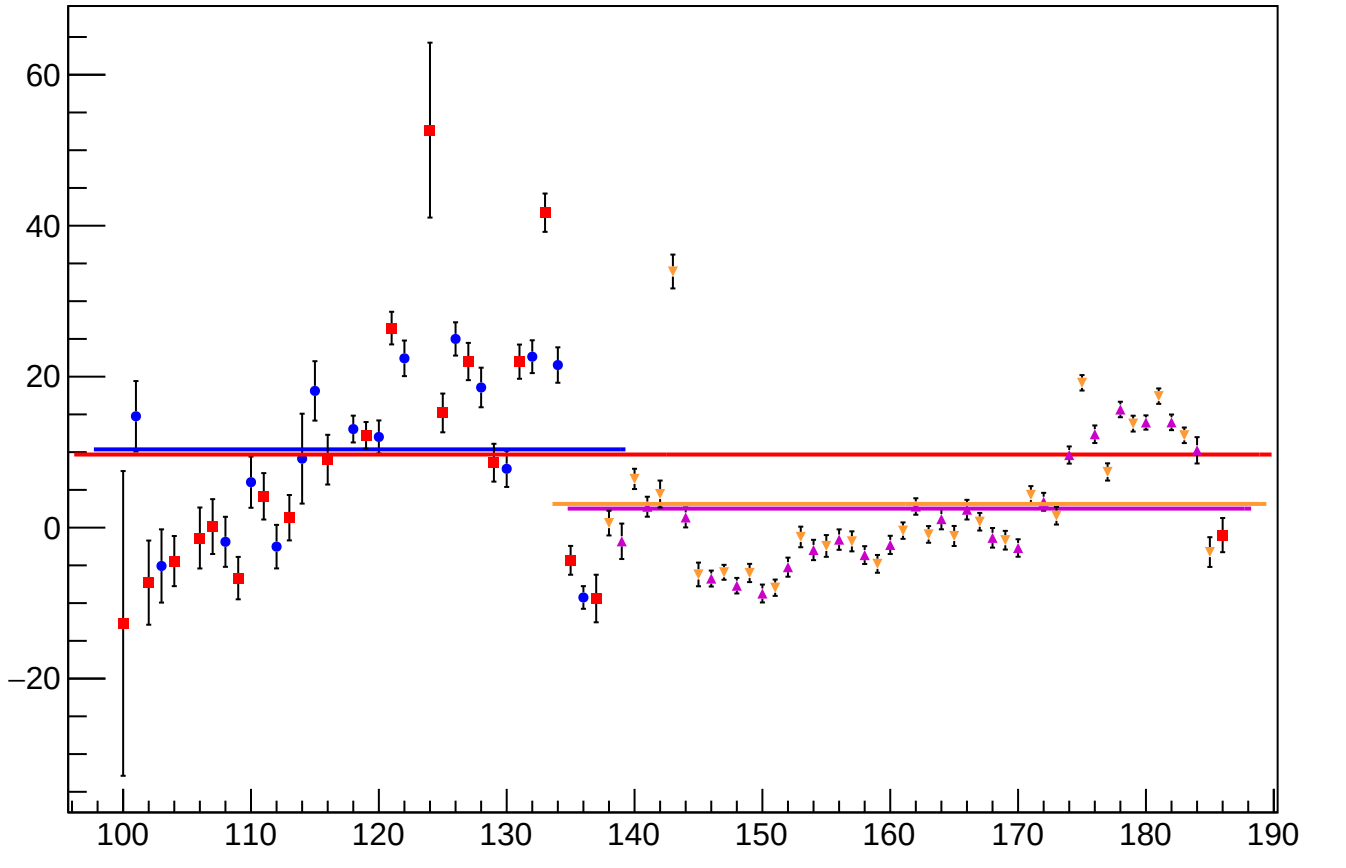
Right Out: 78.264+/-0.524 χ^2/NDF: 3525.5/19

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 47.494+/-0.254 χ^2/NDF: 9153.4/40

All: 47.927+/-0.178 χ^2/NDF: 17344.1/83

- sign 48.345+/-0.250 χ^2/NDF: 8185.0/42


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug
60
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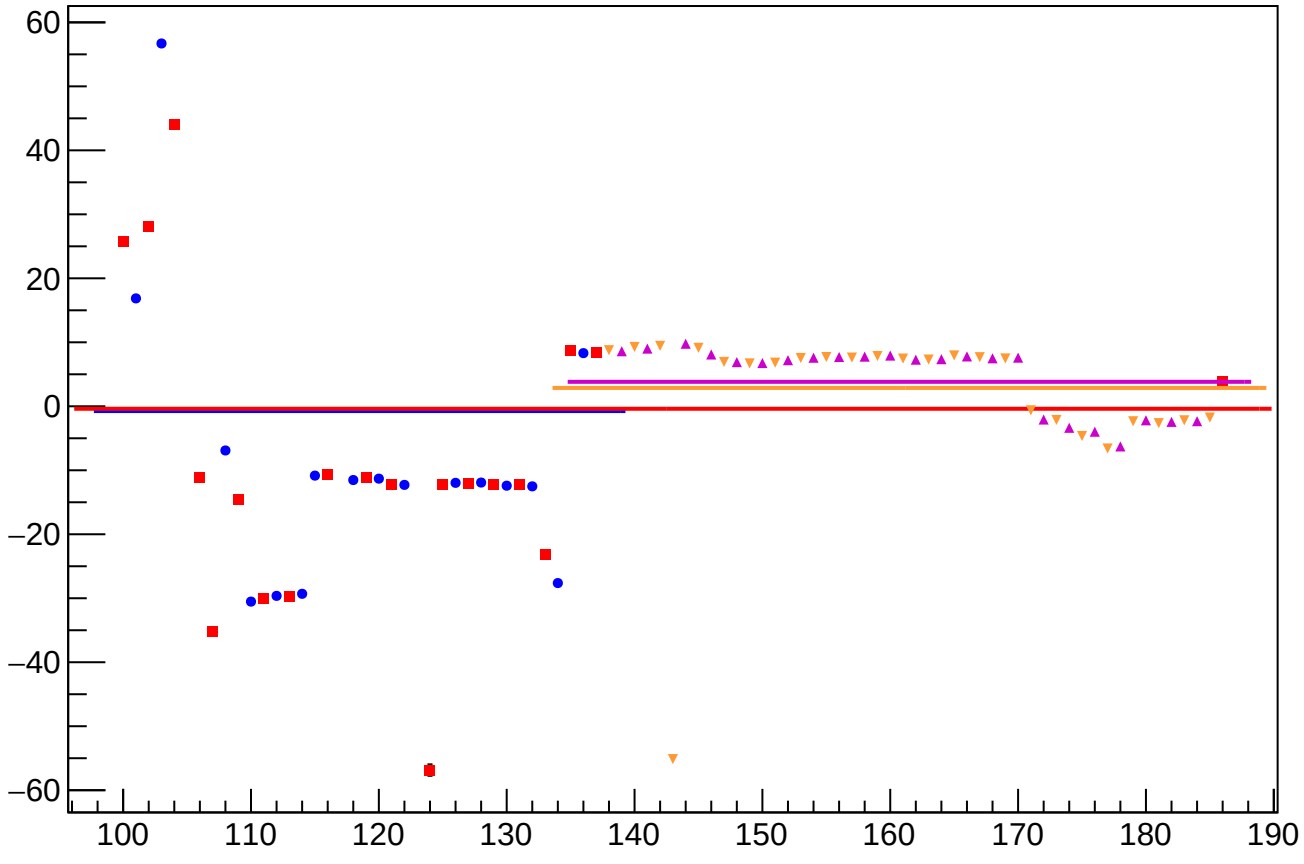
130
140
150
160
170
180
190
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: 3.142+/-0.245 χ²/NDF:1267.0/24
Right Out: 9.684+/-0.616 χ²/NDF: 494.8/19
Left In: 2.519+/-0.251 χ²/NDF:968.2/22
+ sign 4.103+/-0.229 χ²/NDF: 1742.1/40
All: 3.826+/-0.163 χ²/NDF: 3324.0/83
- sign 3.539+/-0.232 χ²/NDF: 1579.0/42



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: -0.386+/-0.036 χ^2/NDF: 317232.9/19

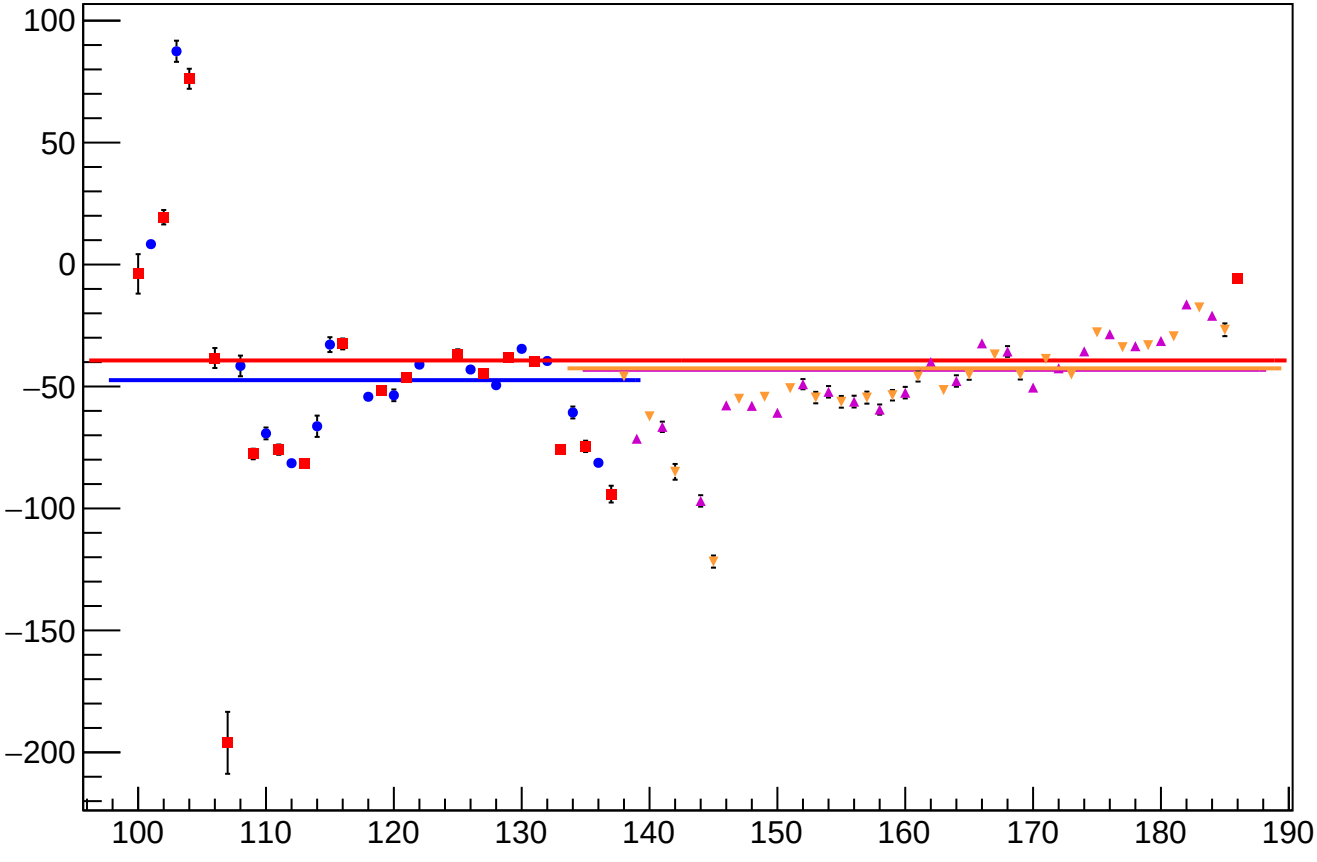
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.560+/-0.011 χ^2/NDF: 889606.3/40

All: 3.008+/-0.007 χ^2/NDF: 1456019.3/83

- sign 3.466+/-0.011 χ^2/NDF: 562737.0/42

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

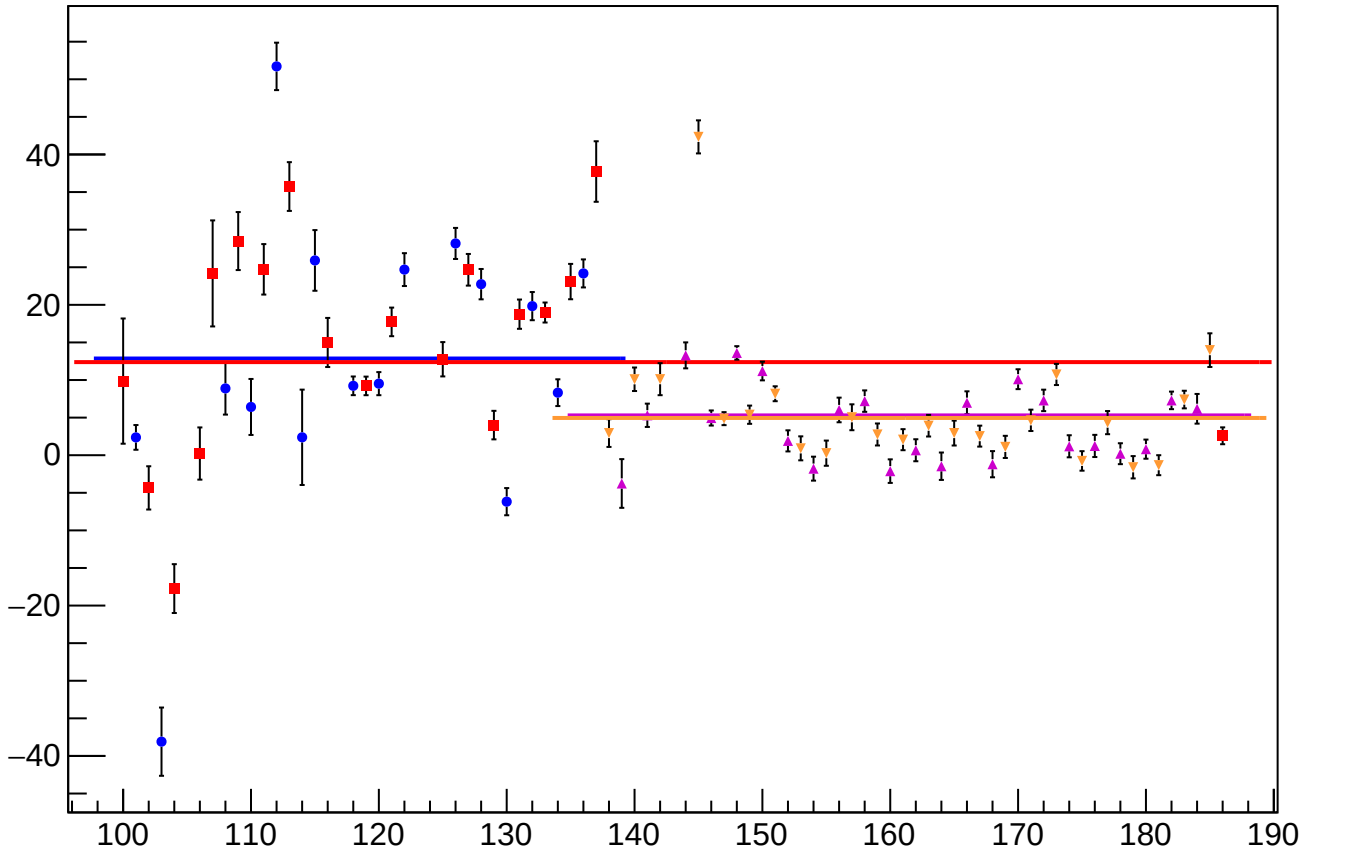
Right Out: -39.322+/-0.467 χ^2/NDF: 4734.0/18

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

+ sign -44.173+/-0.309 χ^2/NDF: 5150.0/39

All: -42.840+/-0.214 χ^2/NDF: 12166.5/81

- sign -41.620+/-0.296 χ^2/NDF: 6980.9/41



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 12.383+/-0.490 χ^2/NDF: 458.5/18

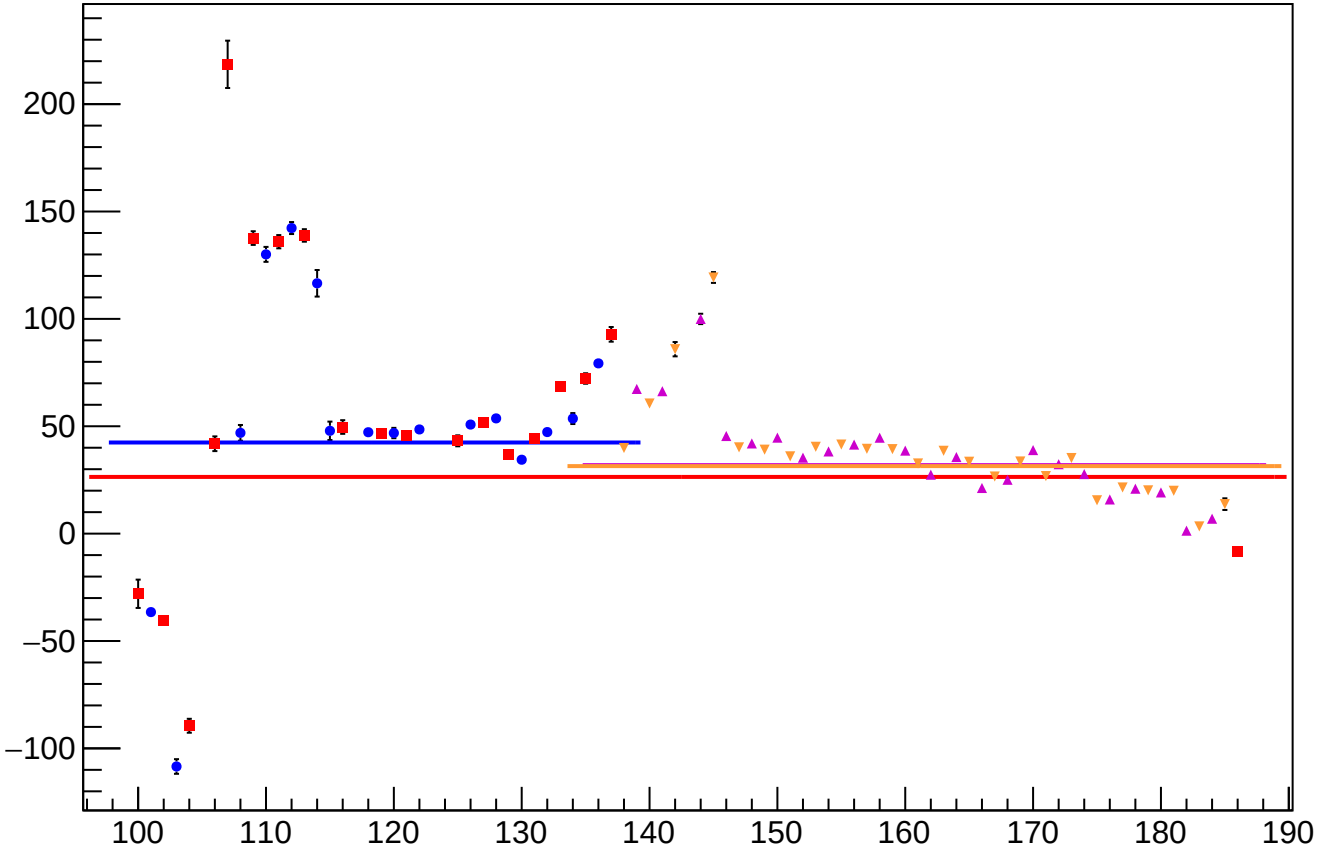
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.822+/-0.252 χ^2/NDF: 1252.0/39

All: 6.998+/-0.178 χ^2/NDF: 2151.9/81

- sign 7.173+/-0.252 χ^2/NDF: 898.9/41

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

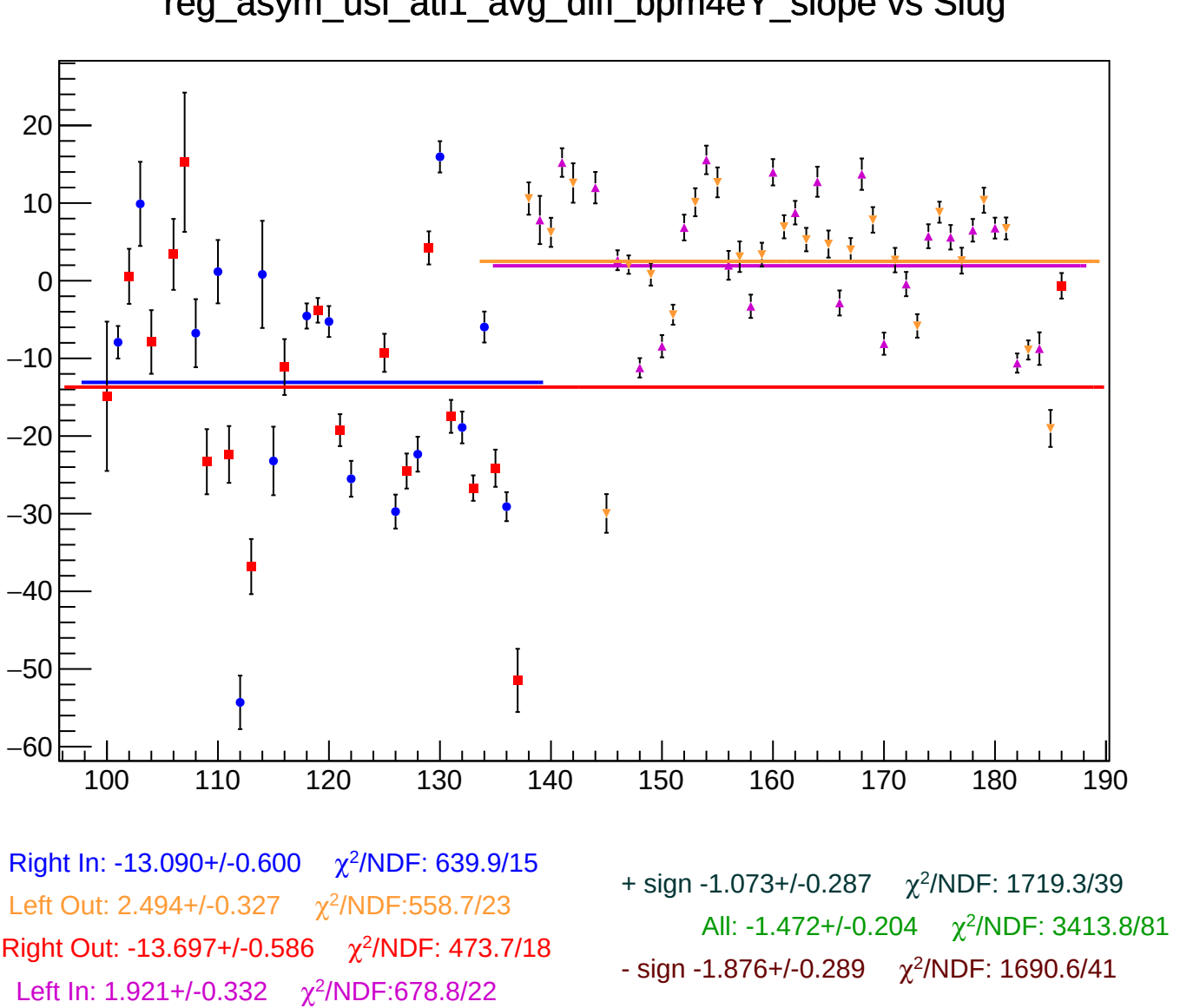
Right Out: 26.406+/-0.469 χ^2/NDF: 10507.4/18

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

+ sign 34.653+/-0.316 χ^2/NDF: 10181.6/39

All: 32.019+/-0.215 χ^2/NDF: 23669.2/81

- sign 29.732+/-0.294 χ^2/NDF: 13357.7/41


reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug
20
10
0
−10
−20
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−40
−50
−60
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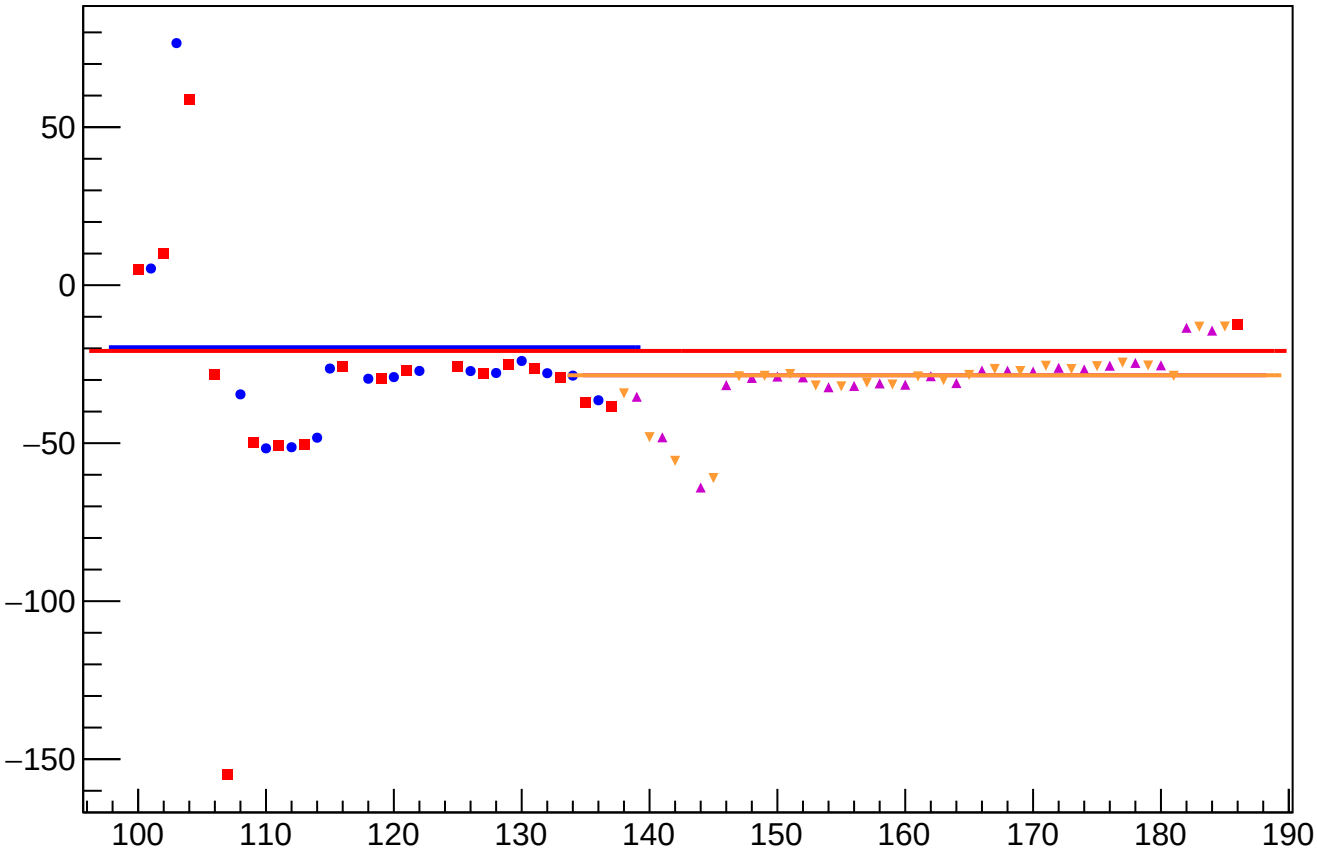
110
120
130
140
150
160
170
180
190
Right In: -13.090+/-0.600 χ²/NDF: 639.9/15
Left Out: 2.494+/-0.327 χ²/NDF:558.7/23
Right Out: -13.697+/-0.586 χ²/NDF: 473.7/18
Left In: 1.921+/-0.332 χ²/NDF:678.8/22
+ sign -1.073+/-0.287 χ²/NDF: 1719.3/39
All: -1.472+/-0.204 χ²/NDF: 3413.8/81
- sign -1.876+/-0.289 χ²/NDF: 1690.6/41



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -20.808+/-0.037 χ^2/NDF: 552337.2/18

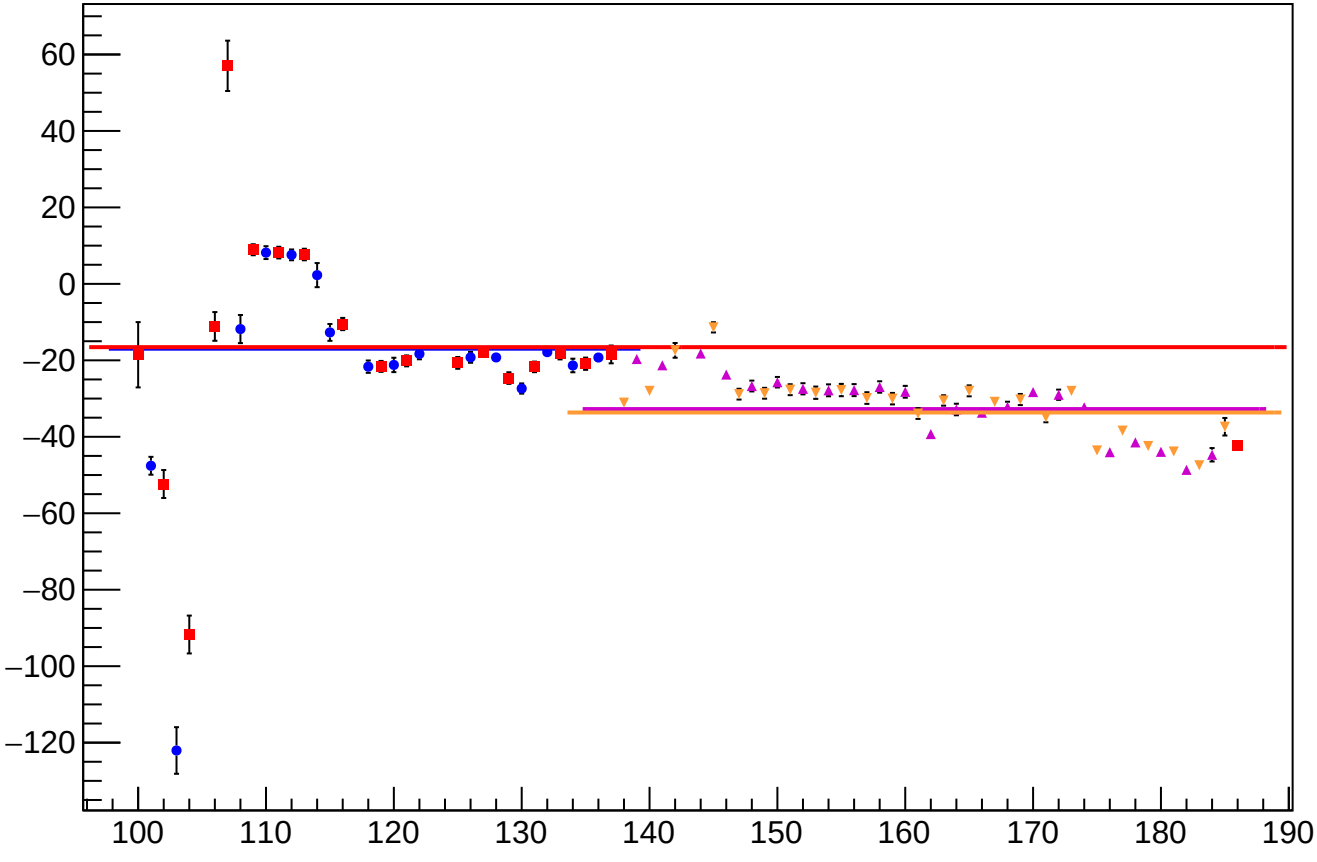
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -27.243+/-0.014 χ^2/NDF: 1032380.9/39

All: -27.336+/-0.010 χ^2/NDF: 1909928.6/81

- sign -27.429+/-0.014 χ^2/NDF: 877454.8/41

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -16.552+/-0.389 χ^2/NDF: 1792.3/18

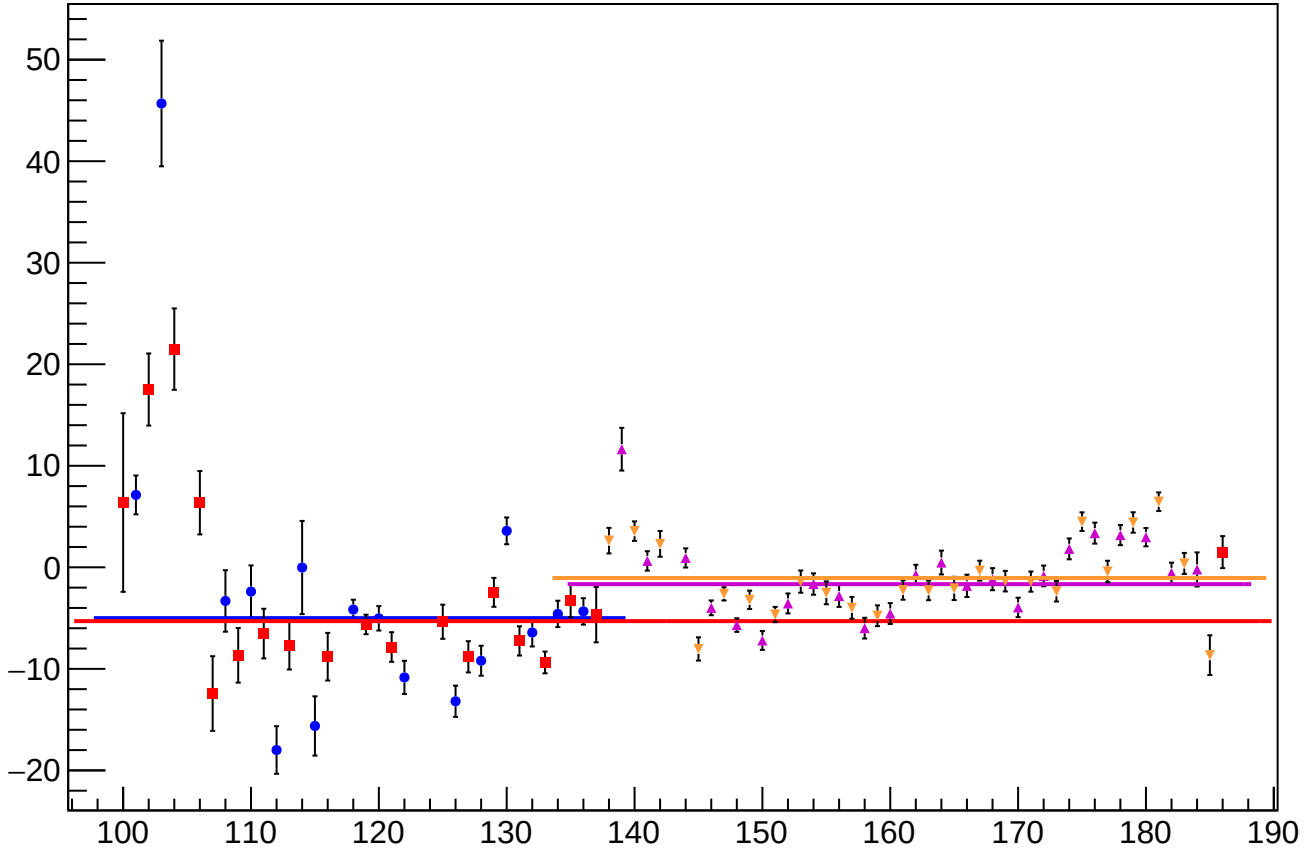
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -28.615+/-0.222 χ^2/NDF: 3338.2/39

All: -28.068+/-0.157 χ^2/NDF: 7460.0/81

- sign -27.524+/-0.221 χ^2/NDF: 4109.6/41

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -5.299+/-0.405 χ^2/NDF: 159.2/18

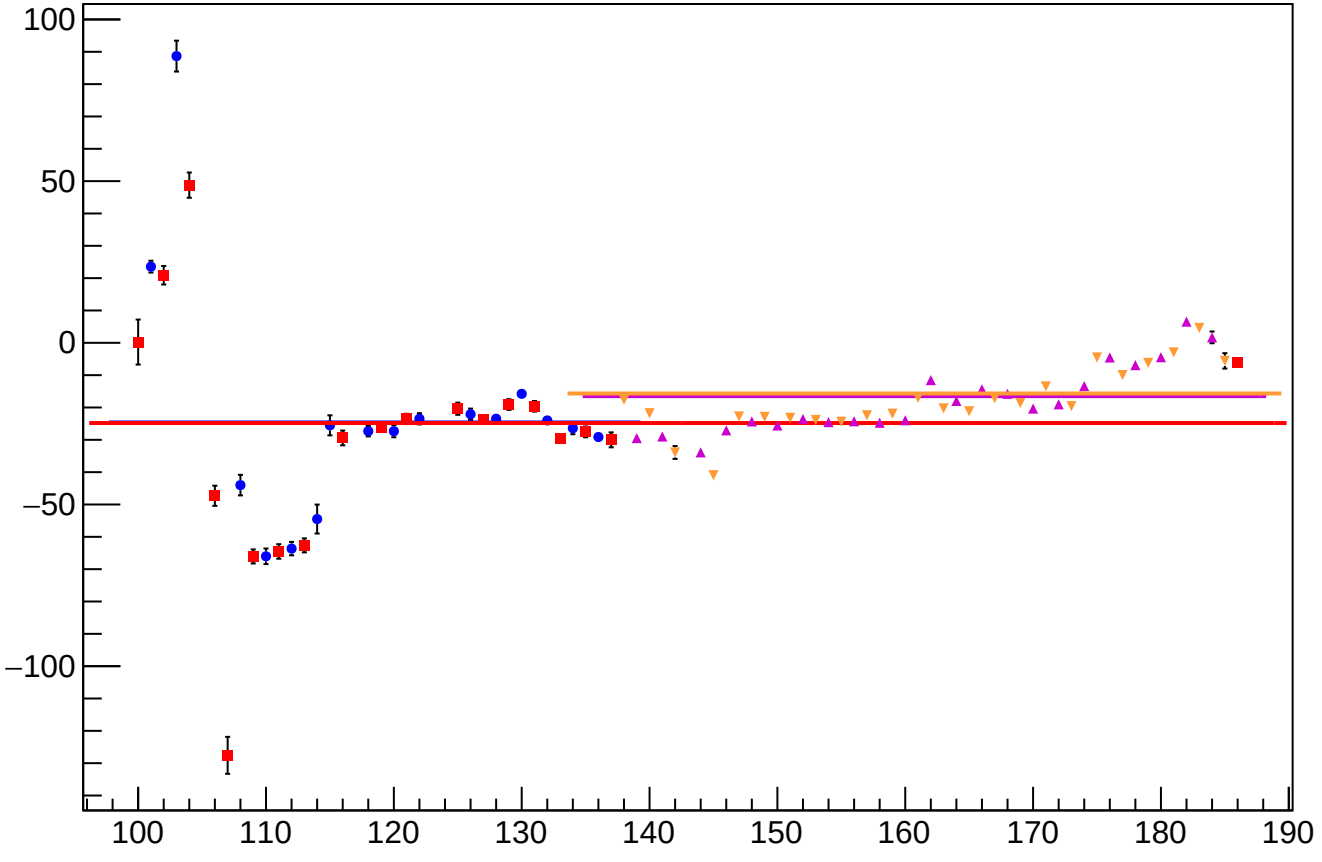
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.855+/-0.181 χ^2/NDF: 614.5/39

All: -2.128+/-0.129 χ^2/NDF: 1106.7/81

- sign -2.410+/-0.184 χ^2/NDF: 487.6/41

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -24.808+/-0.430 χ^2/NDF: 2379.7/18

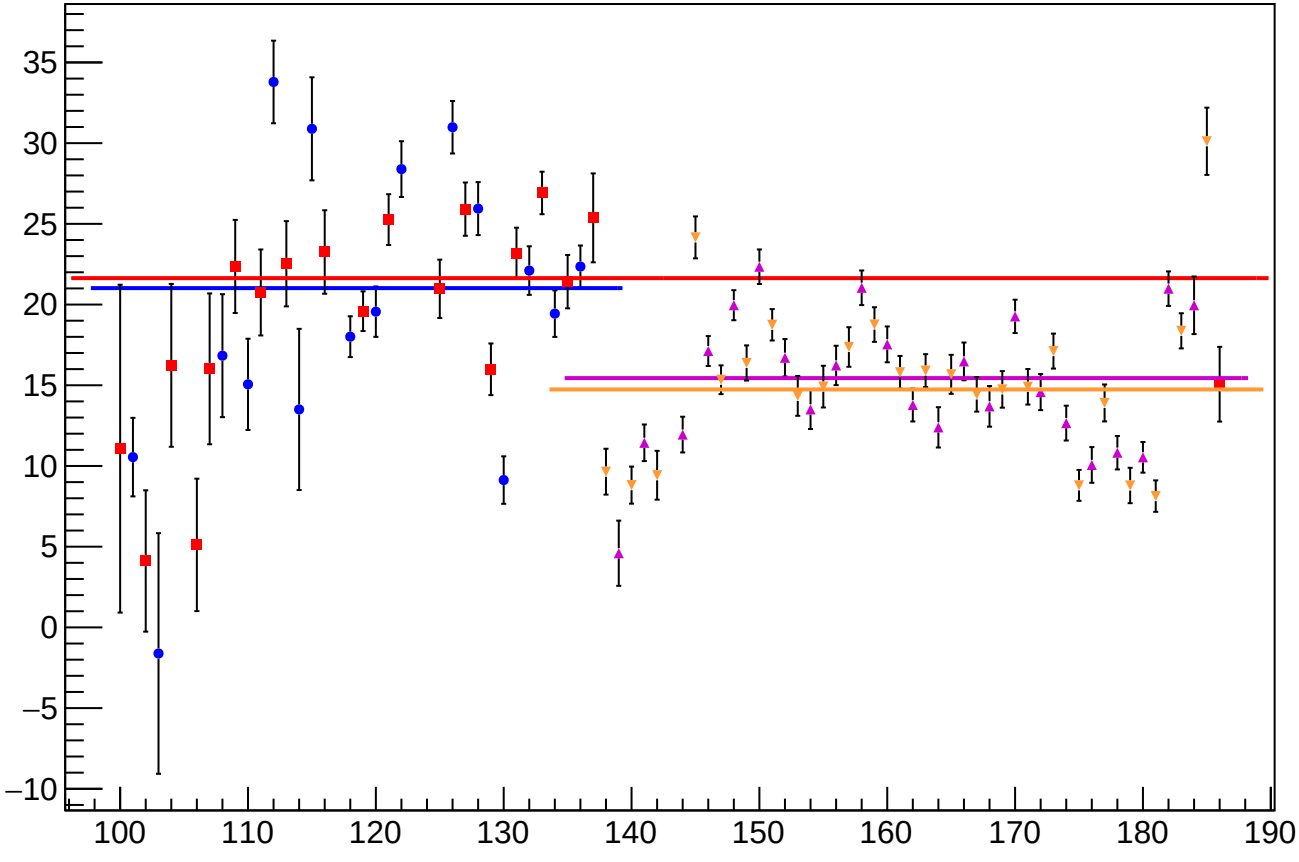
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

+ sign -17.921+/-0.228 χ^2/NDF: 3863.8/39

All: -18.357+/-0.160 χ^2/NDF: 8220.2/81

- sign -18.786+/-0.226 χ^2/NDF: 4349.1/41

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 21.637+/-0.468 χ^2/NDF: 91.0/18

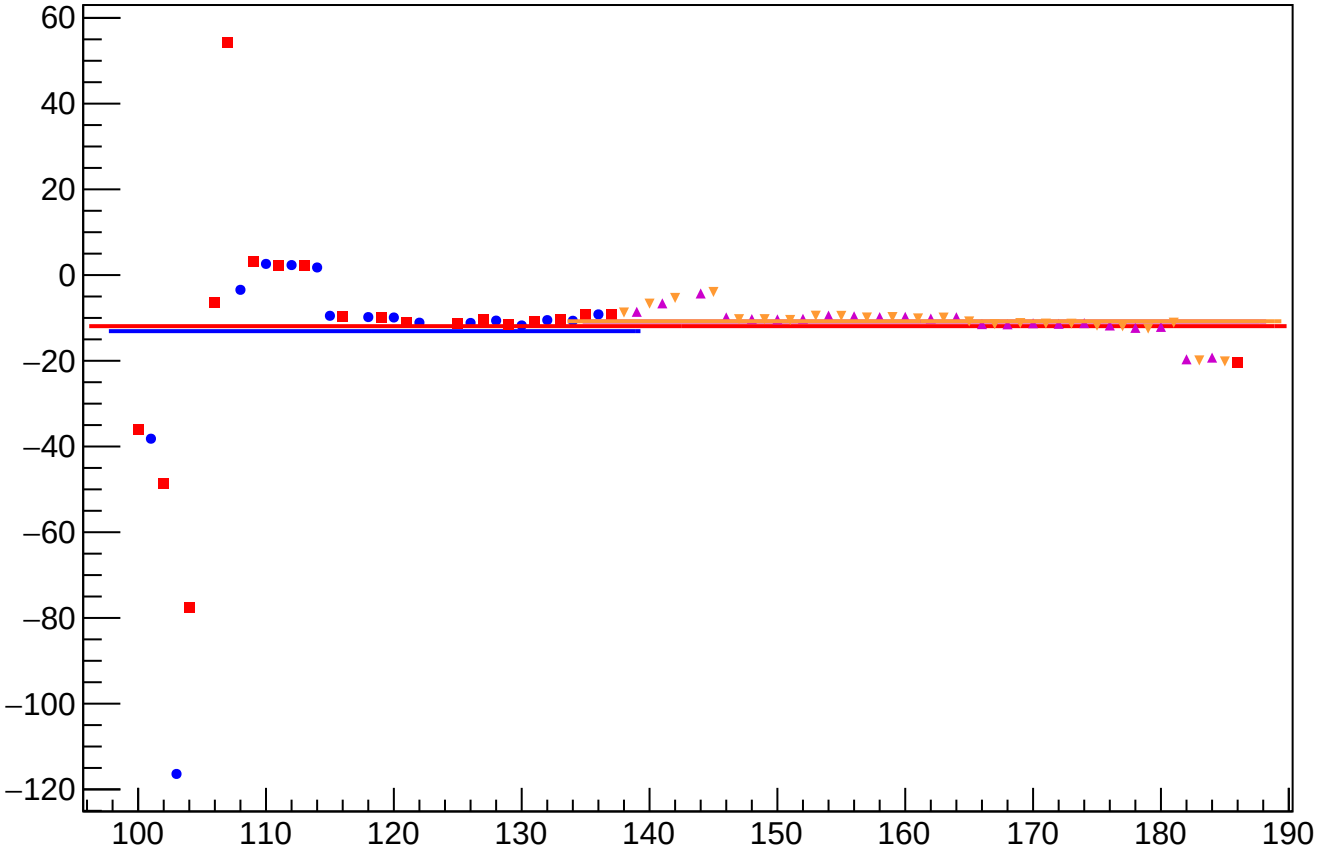
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.999+/-0.205 χ^2/NDF: 690.7/39

All: 16.330+/-0.146 χ^2/NDF: 1217.5/81

- sign 16.673+/-0.209 χ^2/NDF: 521.4/41

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -11.920+/-0.030 χ^2/NDF: 317038.1/18

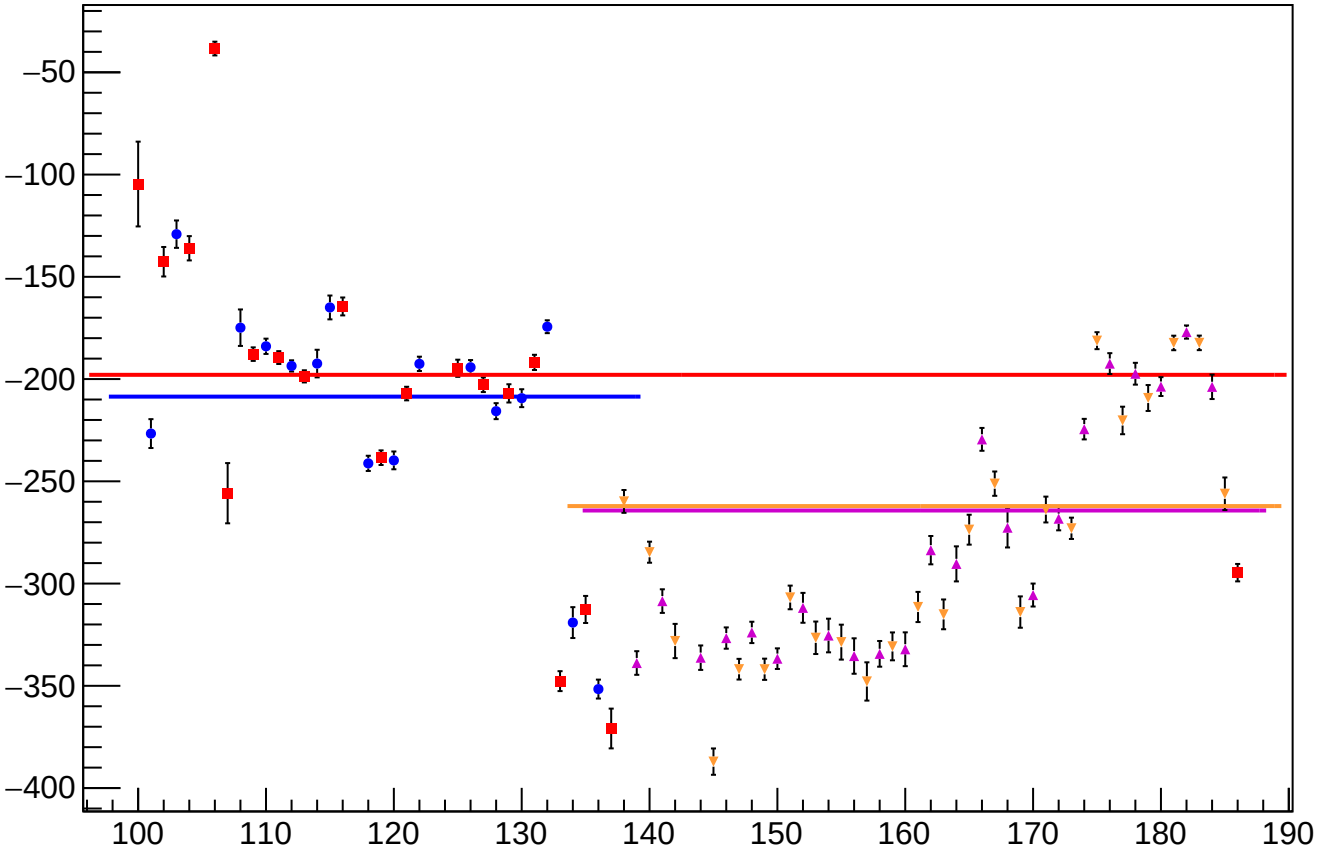
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -11.045+/-0.010 χ^2/NDF: 435532.6/39

All: -10.996+/-0.007 χ^2/NDF: 827885.0/81

- sign -10.947+/-0.010 χ^2/NDF: 392300.9/41

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

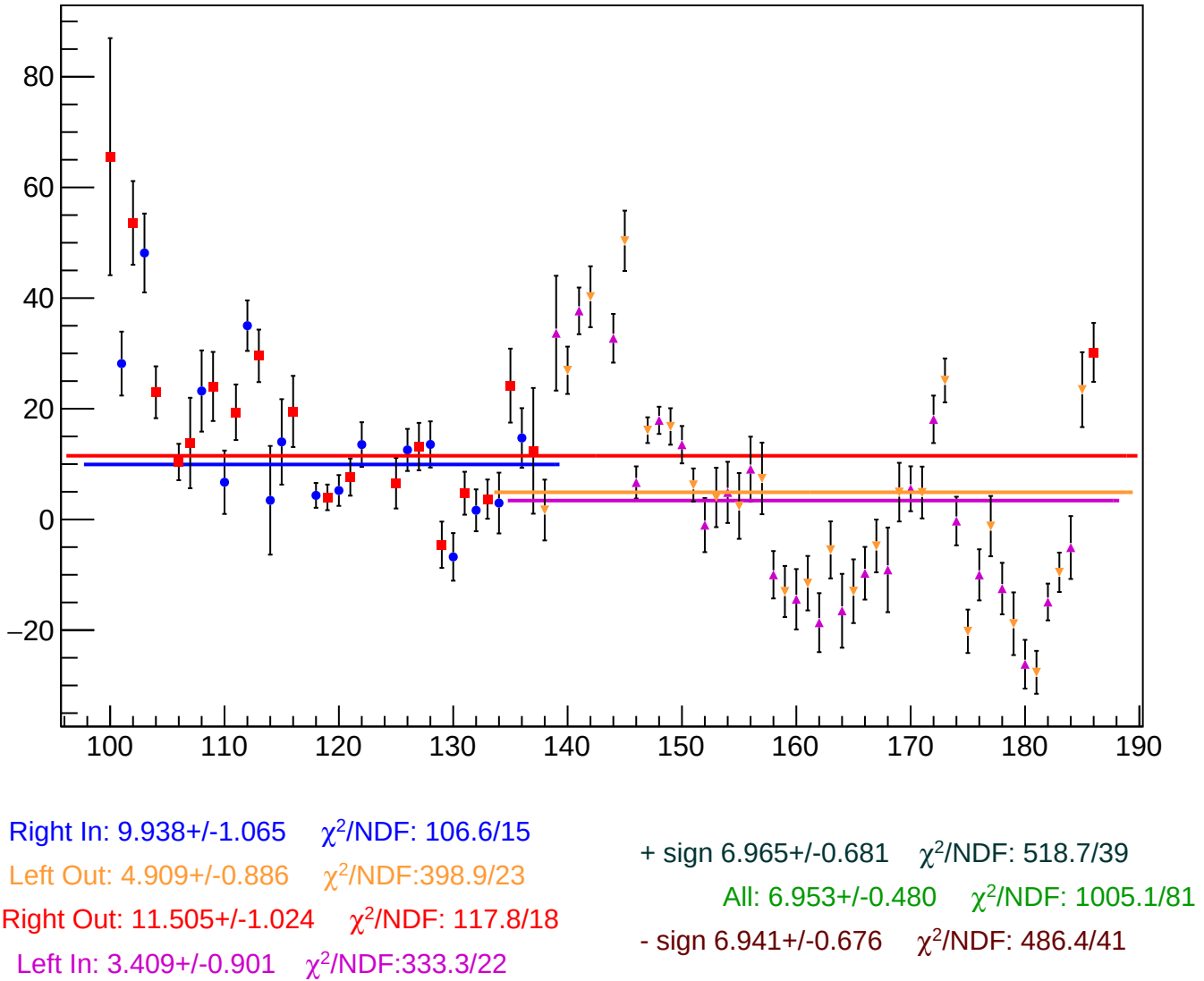
Right Out: -197.928+/-0.973 χ^2/NDF: 4750.3/18

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

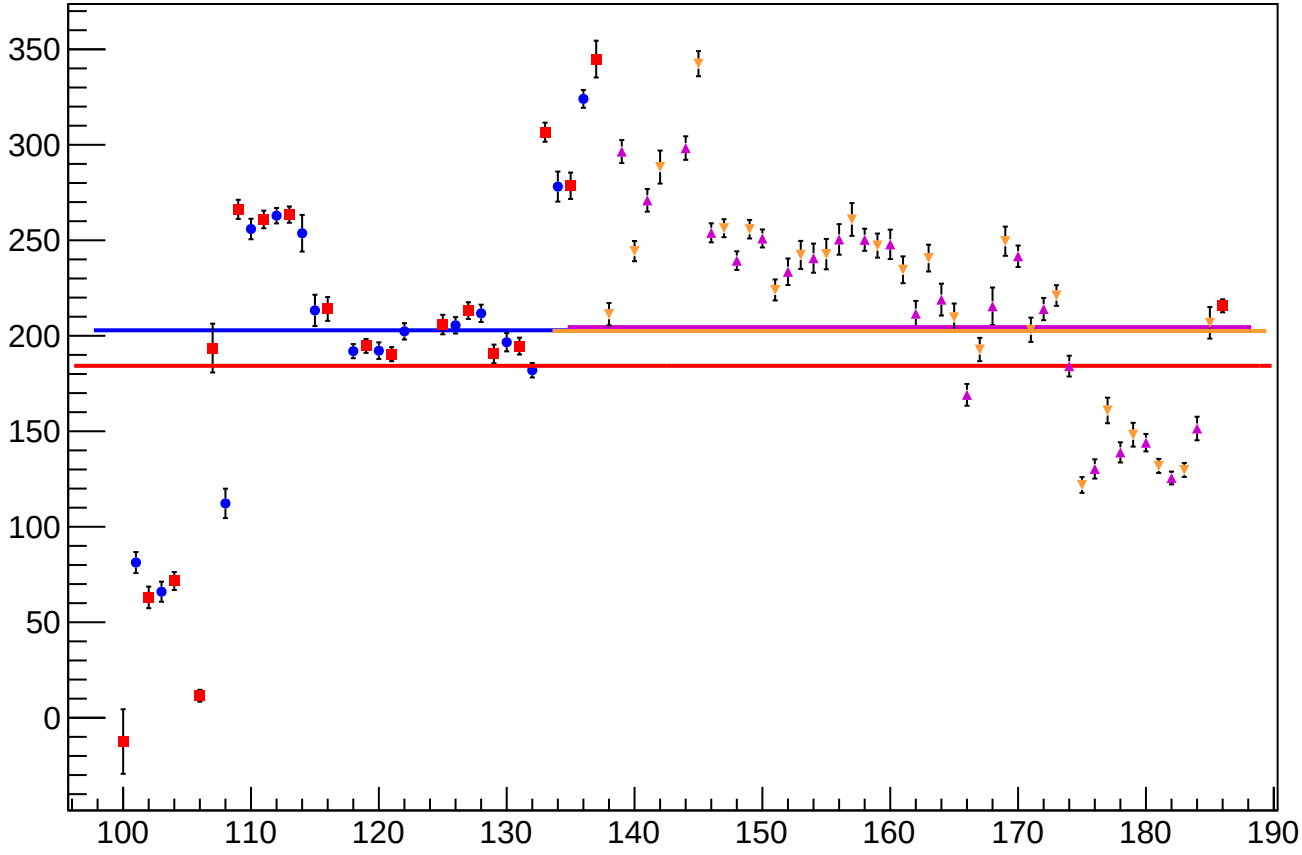
+ sign -232.665+/-0.791 χ^2/NDF: 5848.8/39

All: -228.435+/-0.545 χ^2/NDF: 15267.3/81

- sign -224.612+/-0.752 χ^2/NDF: 9364.0/41


reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
190
Right In: 9.938+/-1.065 χ²/NDF: 106.6/15
Left Out: 4.909+/-0.886 χ²/NDF:398.9/23
Right Out: 11.505+/-1.024 χ²/NDF: 117.8/18
Left In: 3.409+/-0.901 χ²/NDF:333.3/22
+ sign 6.965+/-0.681 χ²/NDF: 518.7/39
All: 6.953+/-0.480 χ²/NDF: 1005.1/81
- sign 6.941+/-0.676 χ²/NDF: 486.4/41

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 184.273+/-1.084 χ^2/NDF: 6442.5/18

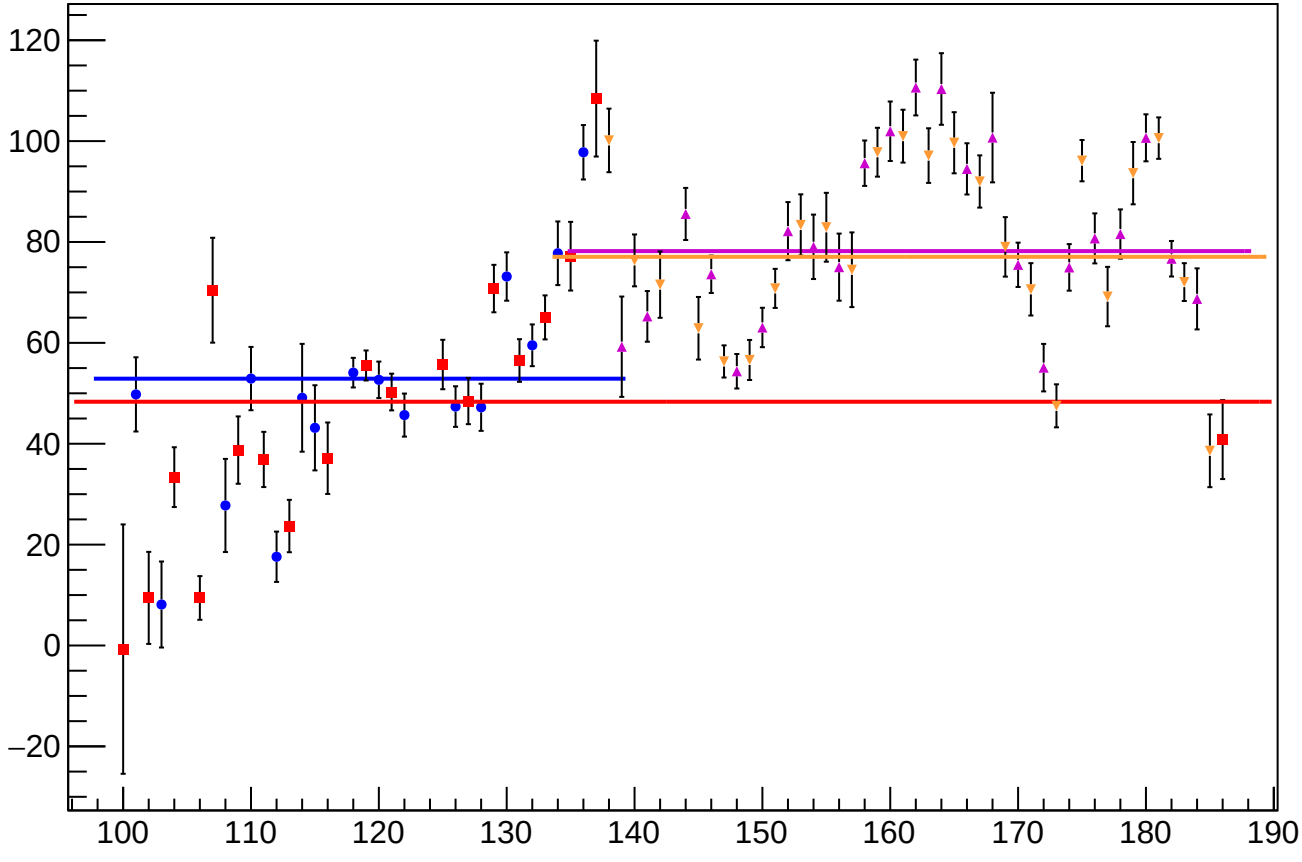
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 202.685+/-0.847 χ^2/NDF: 4857.8/39

All: 197.858+/-0.581 χ^2/NDF: 13807.9/81

- sign 193.583+/-0.797 χ^2/NDF: 8888.9/41

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 48.330+/-1.200 χ^2/NDF: 240.9/18

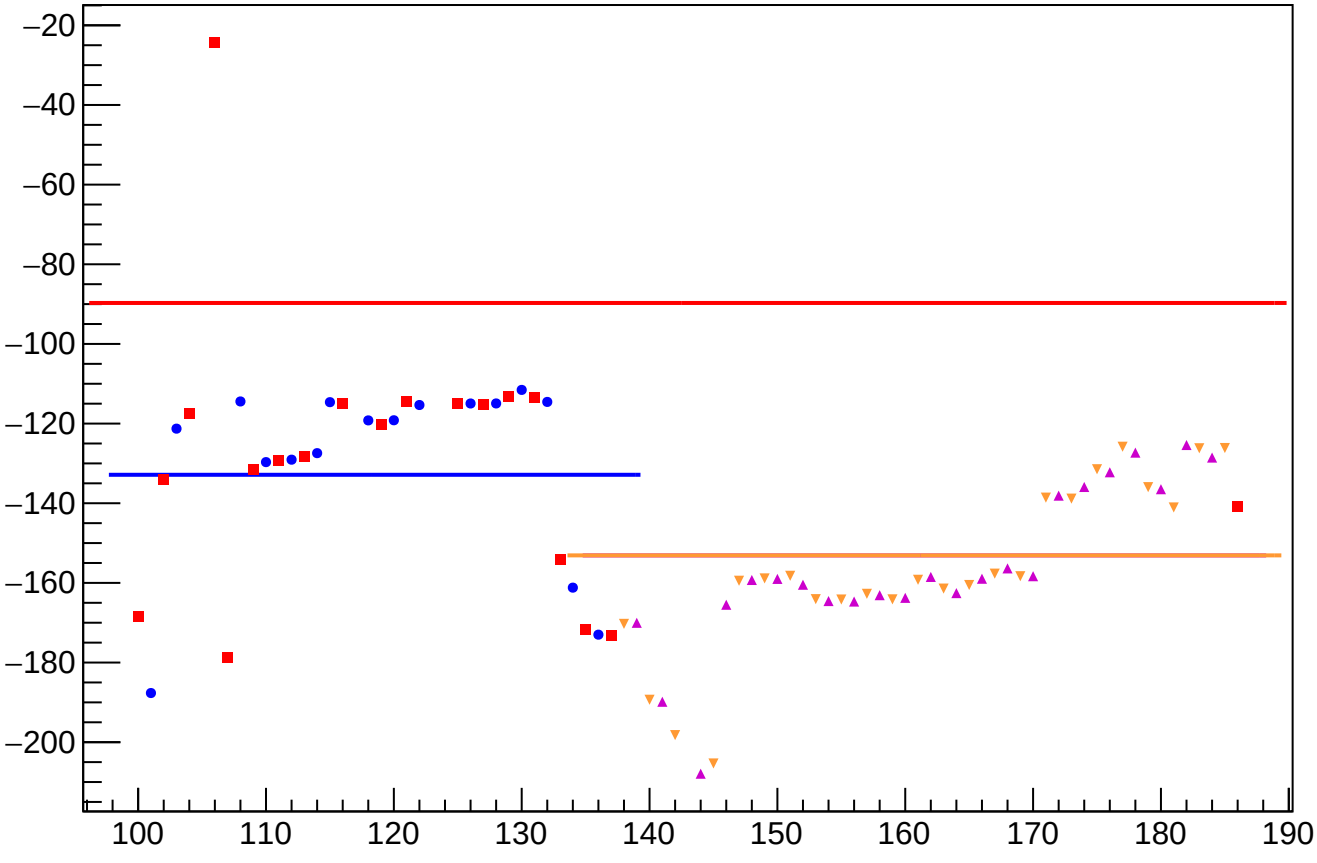
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 67.379+/-0.786 χ^2/NDF: 736.6/39

All: 66.474+/-0.553 χ^2/NDF: 1570.5/81

- sign 65.584+/-0.780 χ^2/NDF: 831.3/41

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -89.714+/-0.064 χ^2/NDF: 736848.9/18

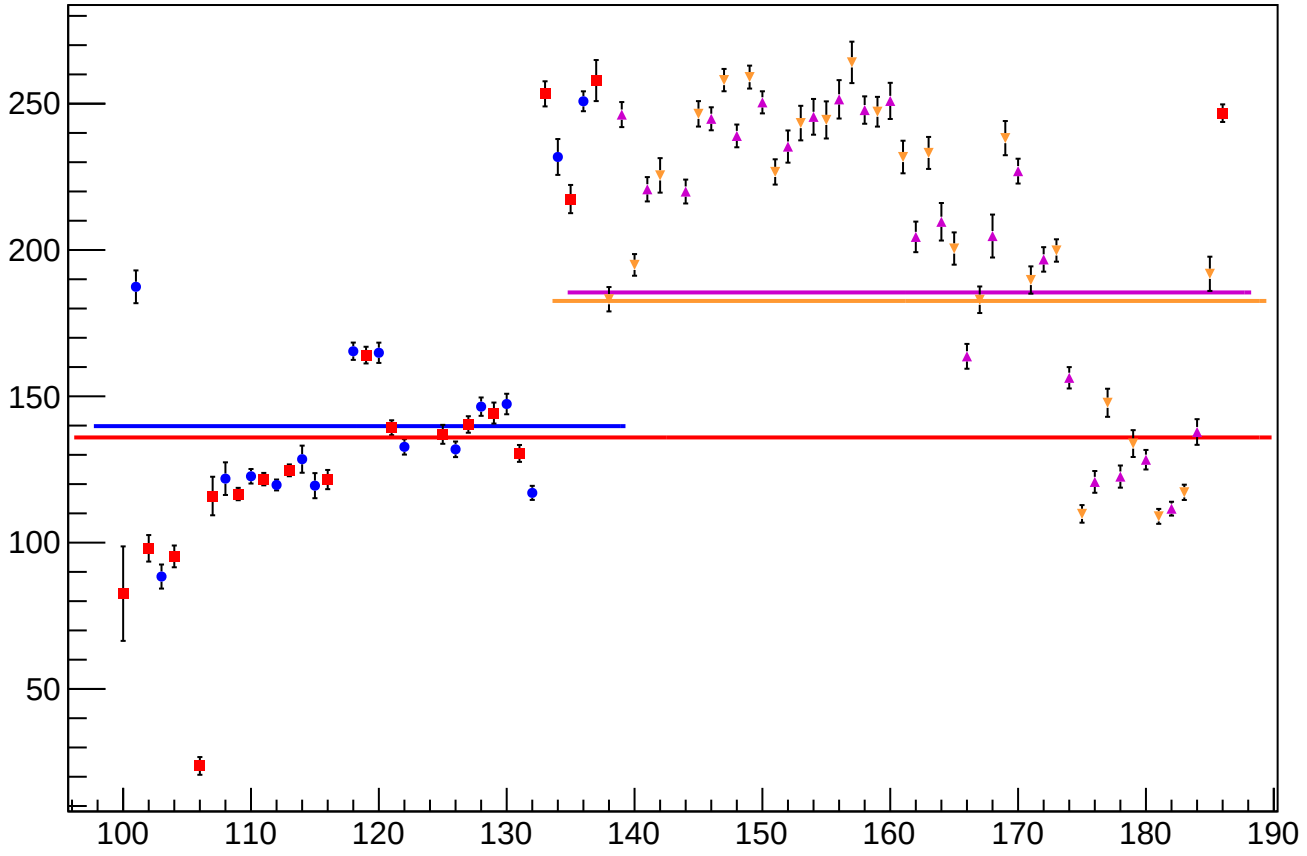
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -148.040+/-0.041 χ^2/NDF: 317472.1/39

All: -138.866+/-0.028 χ^2/NDF: 1959812.4/81

- sign -131.001+/-0.038 χ^2/NDF: 1547718.8/41

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 135.945+/-0.713 χ^2/NDF: 4561.1/18

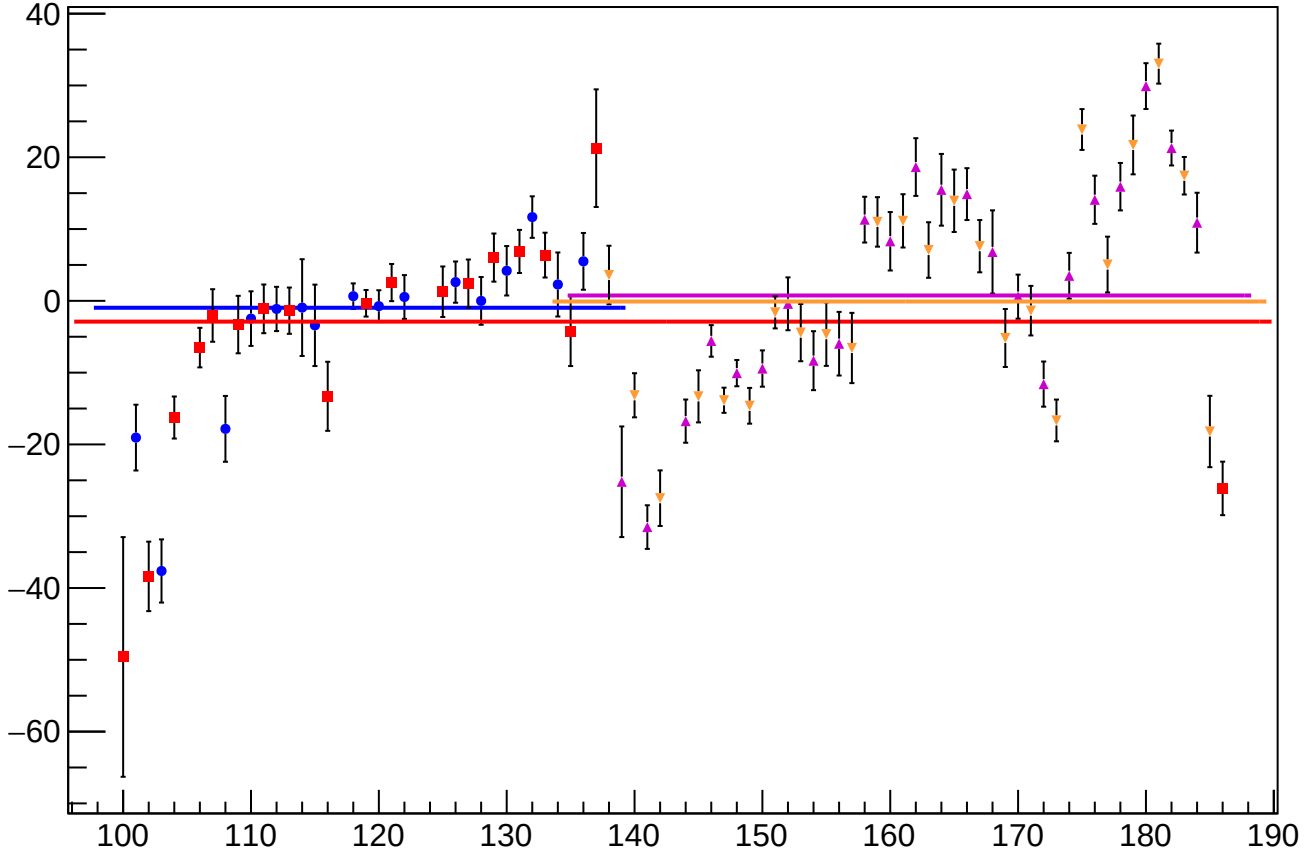
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 159.097+/-0.581 χ^2/NDF: 7457.7/39

All: 157.363+/-0.400 χ^2/NDF: 17791.4/81

- sign 155.799+/-0.552 χ^2/NDF: 10316.8/41

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -2.896+/-0.767 χ^2/NDF: 173.8/18

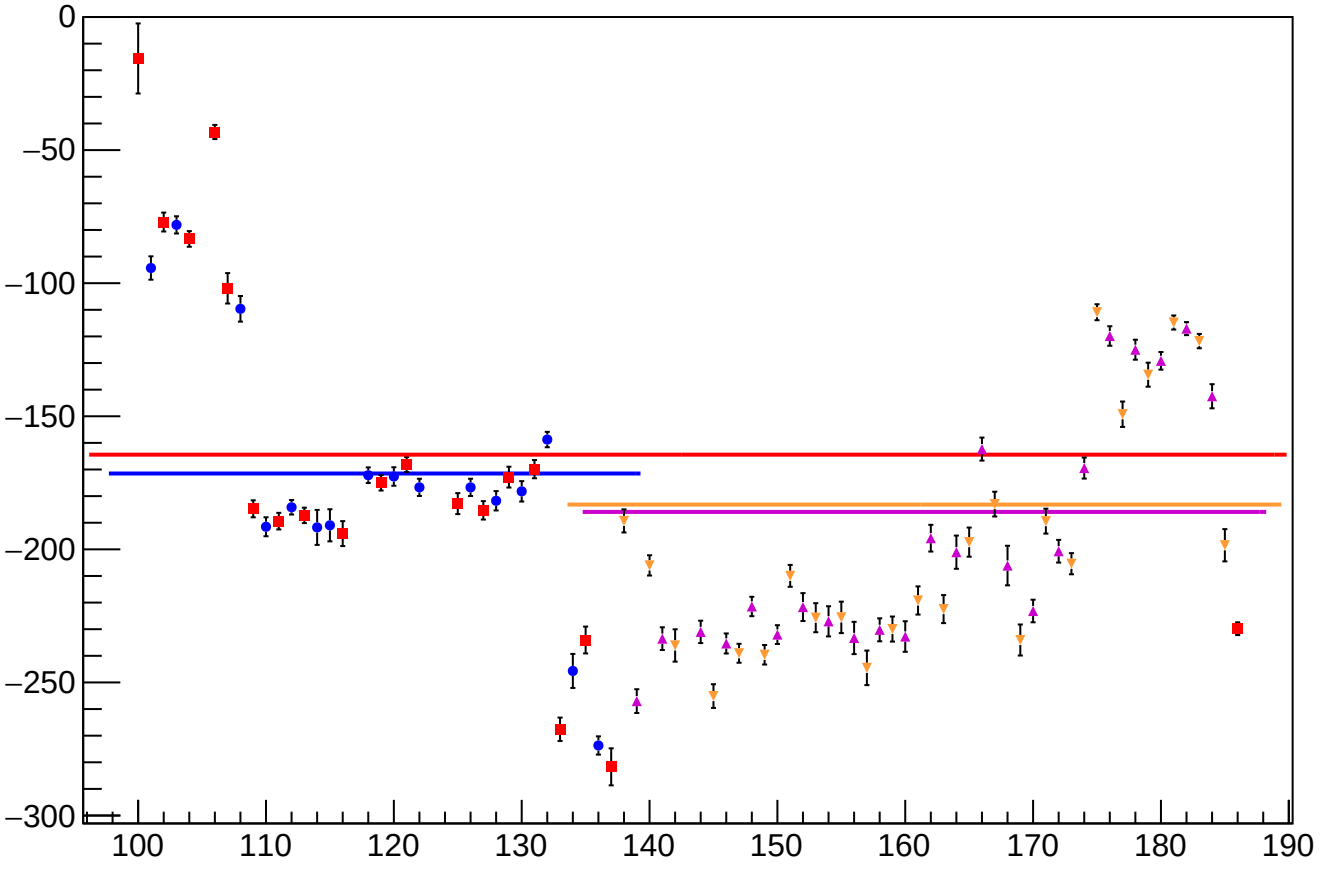
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -0.437+/-0.509 χ^2/NDF: 682.1/39

All: -0.630+/-0.358 χ^2/NDF: 1366.8/81

- sign -0.817+/-0.503 χ^2/NDF: 684.4/41

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -164.422+/-0.799 χ^2/NDF: 5740.5/18

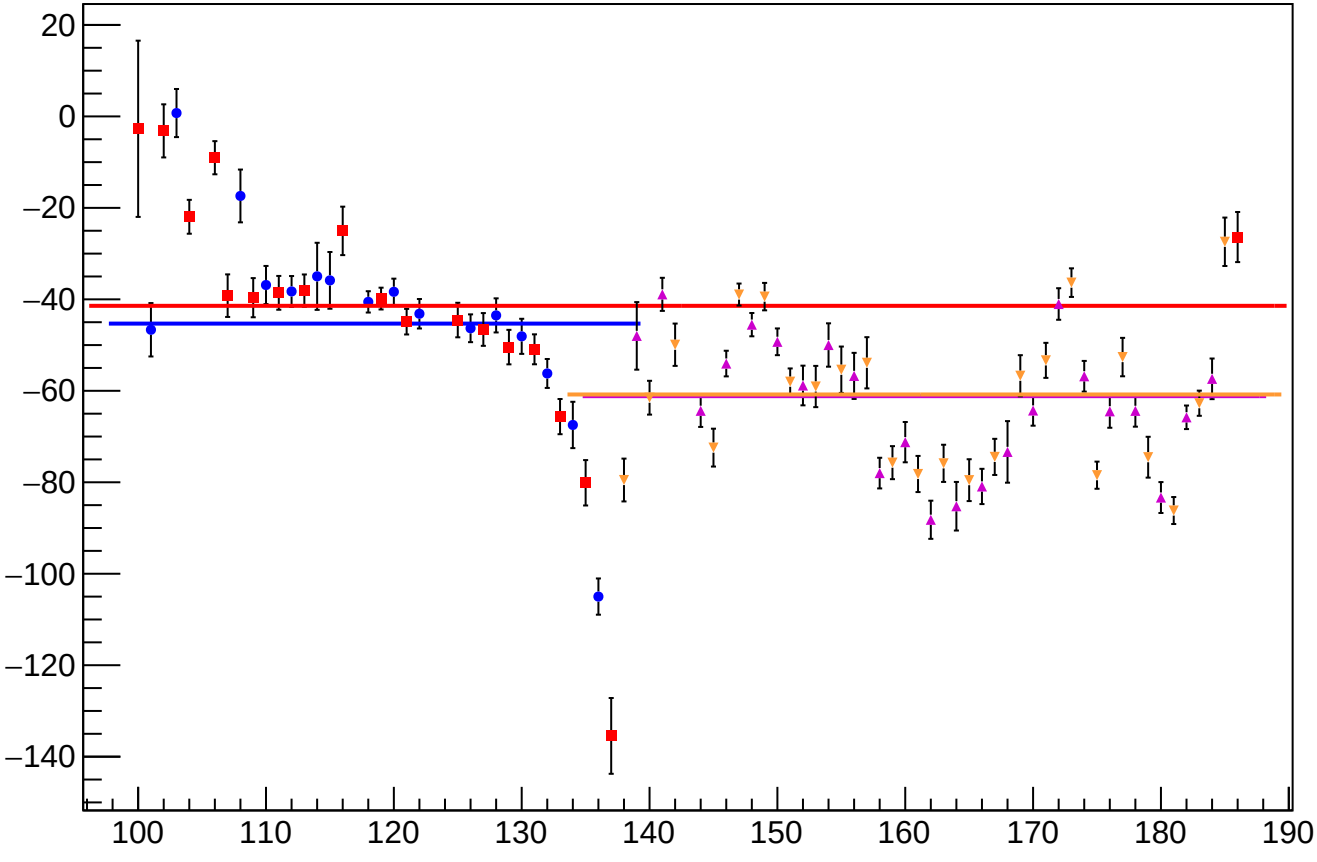
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -177.634+/-0.625 χ^2/NDF: 5890.9/39

All: -175.865+/-0.428 χ^2/NDF: 15161.0/81

- sign -174.301+/-0.588 χ^2/NDF: 9255.0/41

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -41.418+/-0.897 χ^2/NDF: 422.0/18

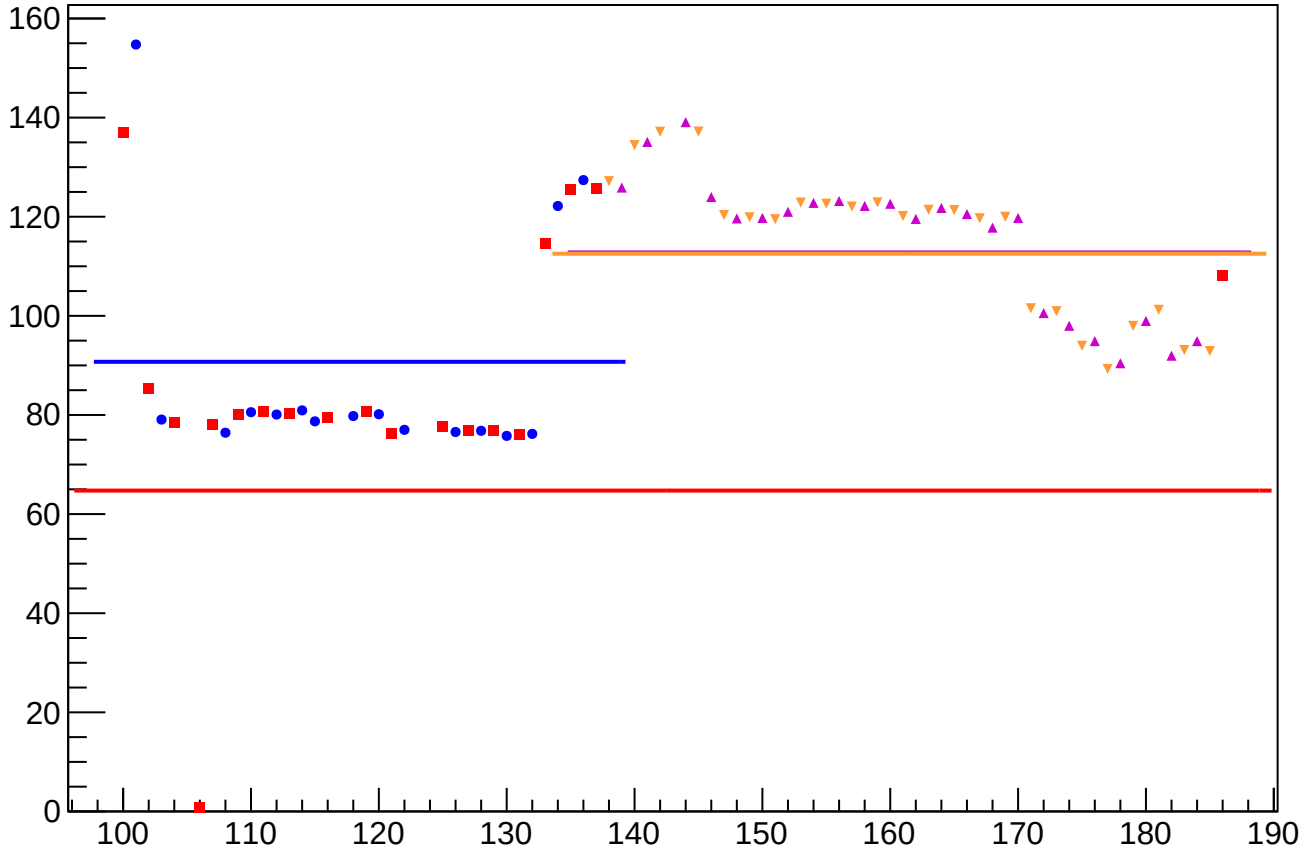
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -54.765+/-0.585 χ^2/NDF: 1022.8/39

All: -53.851+/-0.411 χ^2/NDF: 2049.9/81

- sign -52.958+/-0.578 χ^2/NDF: 1022.2/41

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 64.748+/-0.049 χ^2/NDF: 673423.1/18

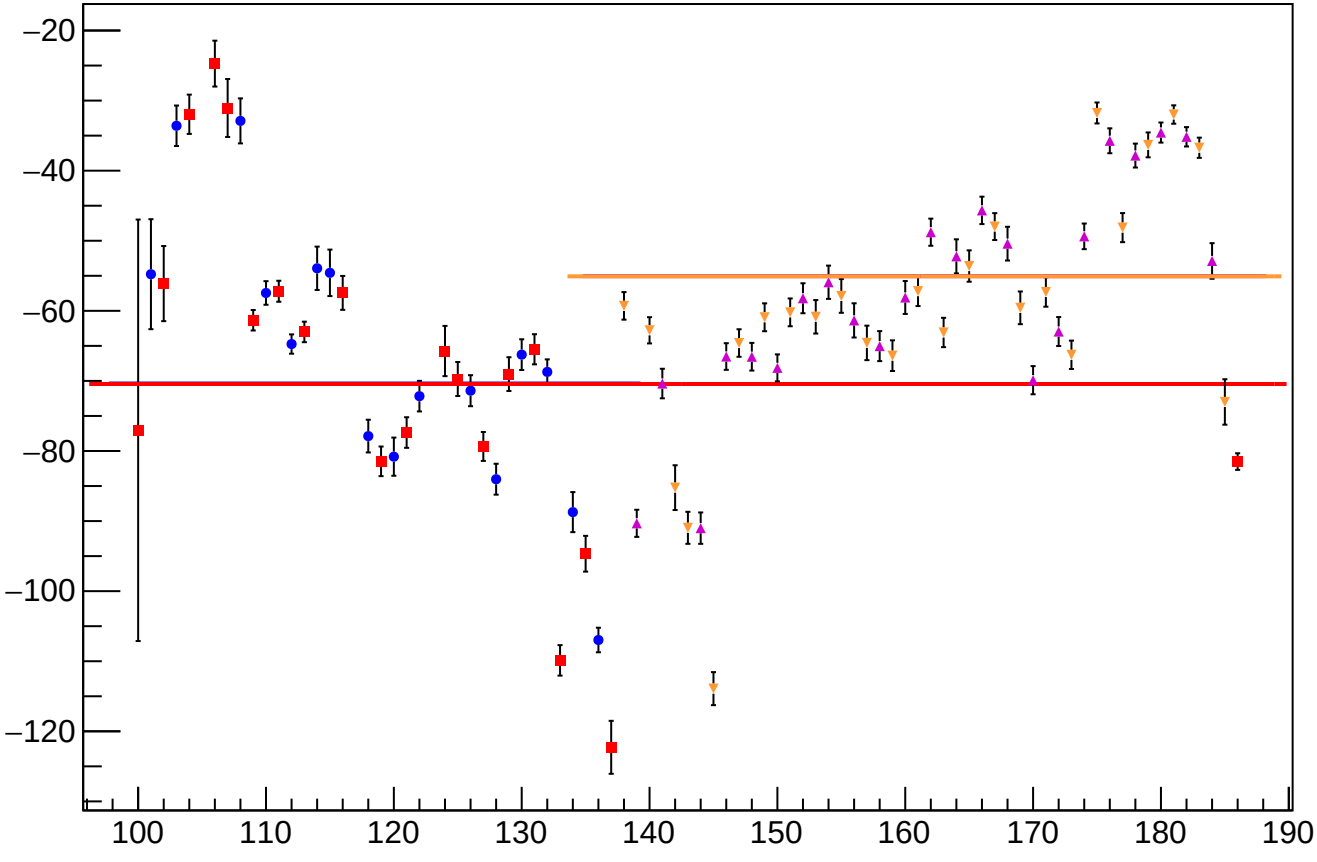
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

\+ sign 106.888+/-0.030 χ^2/NDF: 438739.0/39

All: 101.602+/-0.020 χ^2/NDF: 1988821.8/81

\- sign 96.873+/-0.028 χ^2/NDF: 1490340.2/41

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -70.441+/-0.481 χ^2/NDF: 1410.6/19

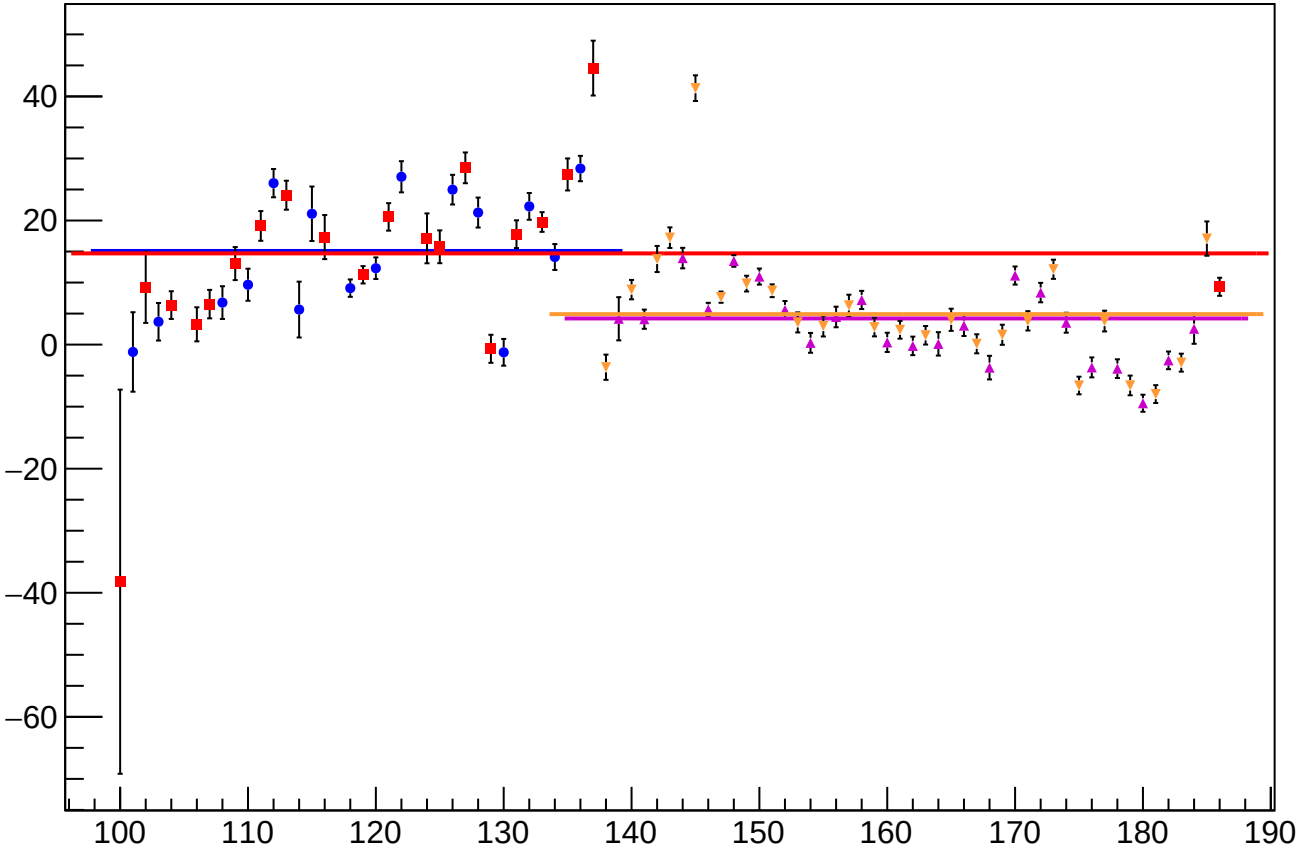
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

\+ sign -60.282+/-0.325 χ^2/NDF: 3474.0/40

All: -60.932+/-0.225 χ^2/NDF: 7026.2/83

\- sign -61.532+/-0.312 χ^2/NDF: 3544.6/42

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.701+/-0.521 χ^2/NDF: 254.9/19

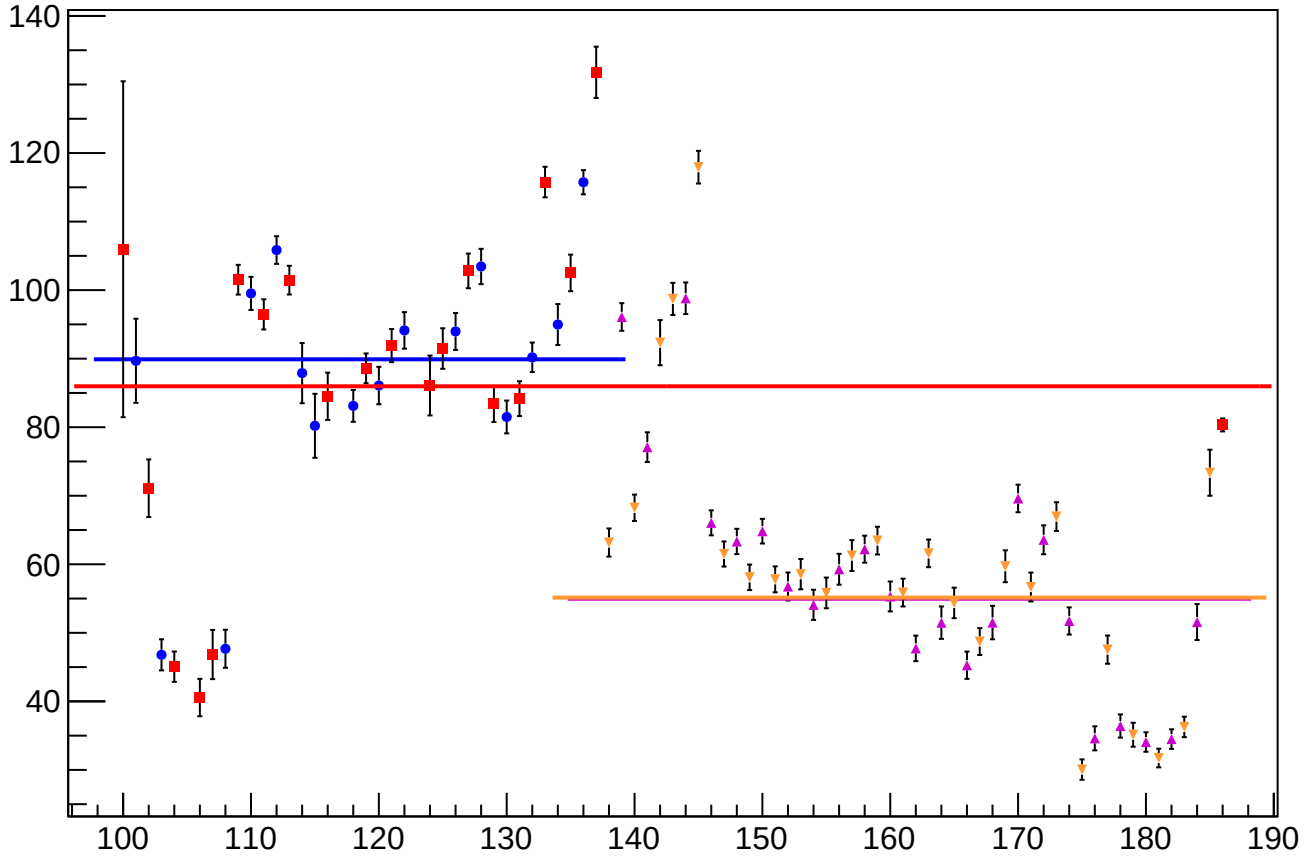
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.070+/-0.268 χ^2/NDF: 1226.0/40

All: 7.028+/-0.189 χ^2/NDF: 2193.8/83

- sign 6.986+/-0.268 χ^2/NDF: 967.8/42

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 85.970+/-0.517 χ^2/NDF: 1339.6/19

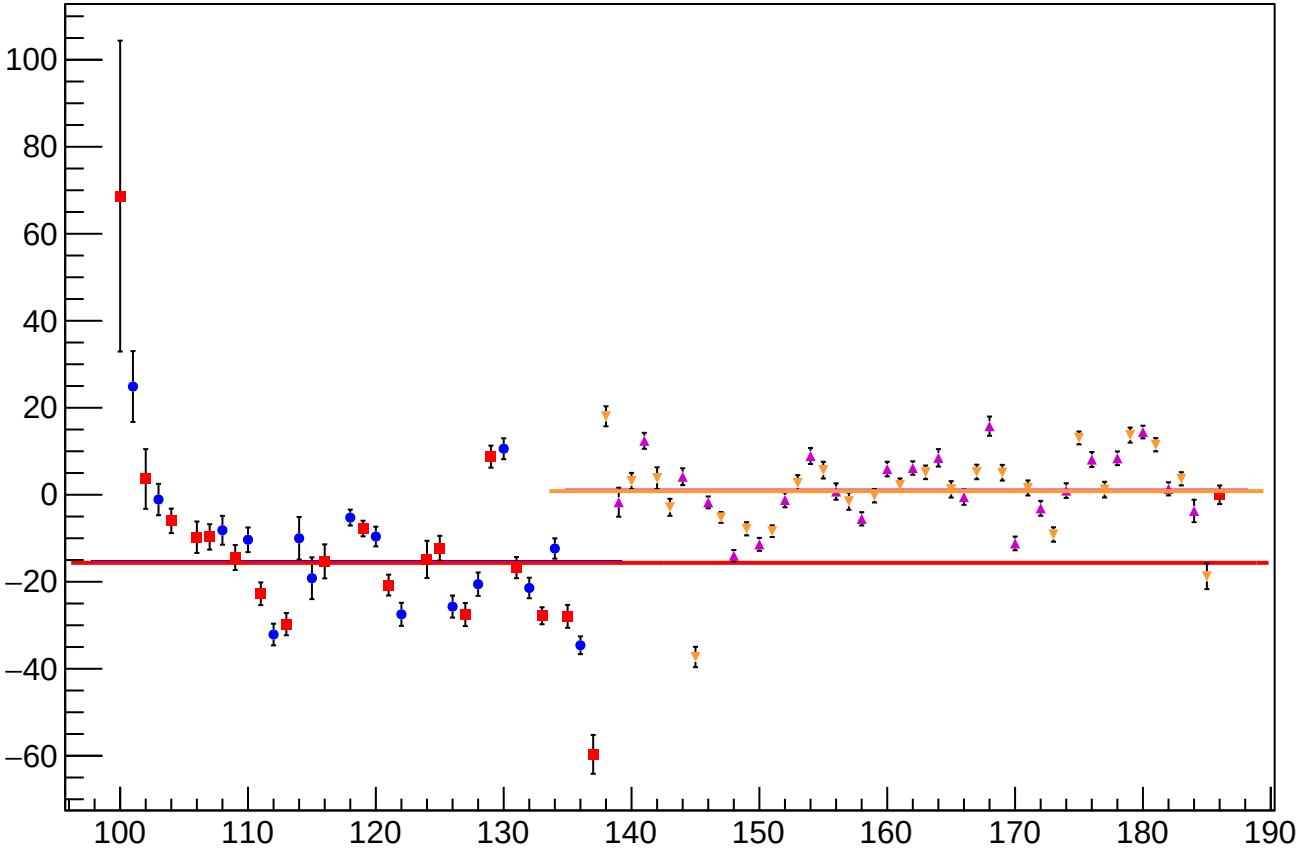
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

\+ sign 64.784+/-0.337 χ^2/NDF: 5317.9/40

All: 65.840+/-0.232 χ^2/NDF: 10682.3/83

\- sign 66.784+/-0.319 χ^2/NDF: 5345.9/42

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -15.650+/-0.616 χ^2/NDF: 419.4/19

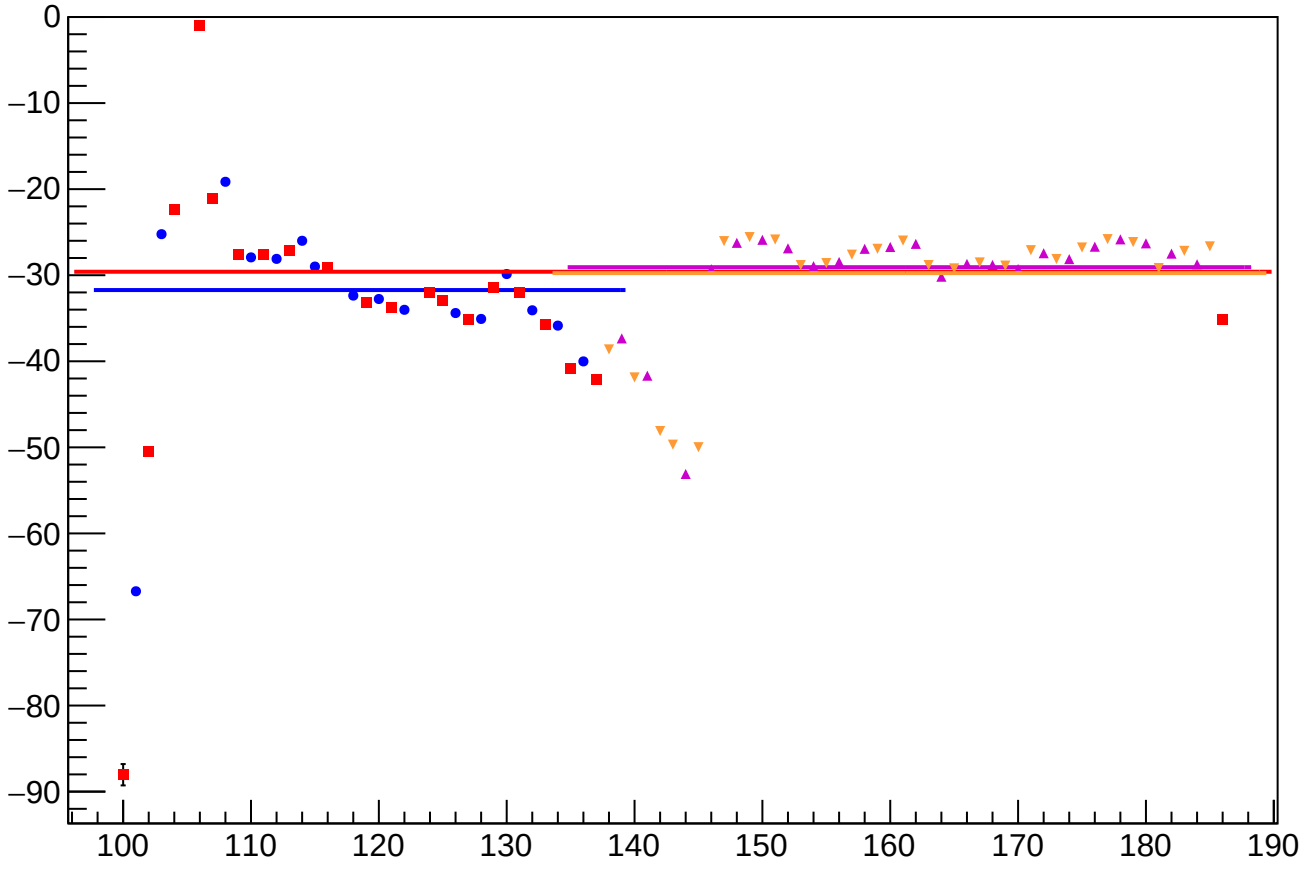
Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

+ sign -2.578+/-0.305 χ^2/NDF: 1577.5/40

All: -2.854+/-0.216 χ^2/NDF: 3104.9/83

- sign -3.134+/-0.307 χ^2/NDF: 1525.8/42

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -29.597+/-0.037 χ^2/NDF: 96621.4/19

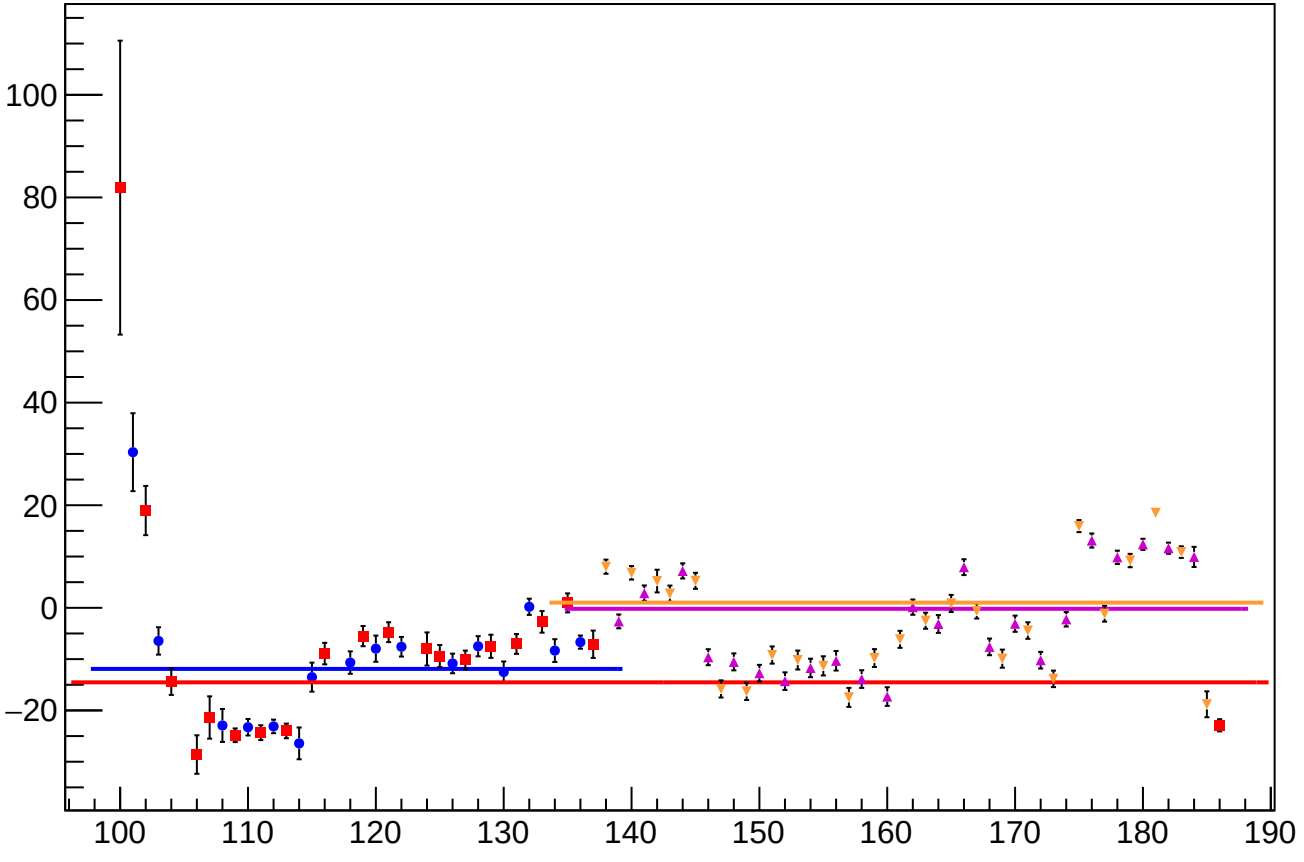
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -30.031+/-0.014 χ^2/NDF: 205439.4/40

All: -29.593+/-0.010 χ^2/NDF: 405634.5/83

- sign -29.148+/-0.015 χ^2/NDF: 198338.0/42

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -14.527+/-0.445 χ^2/NDF: 478.8/19

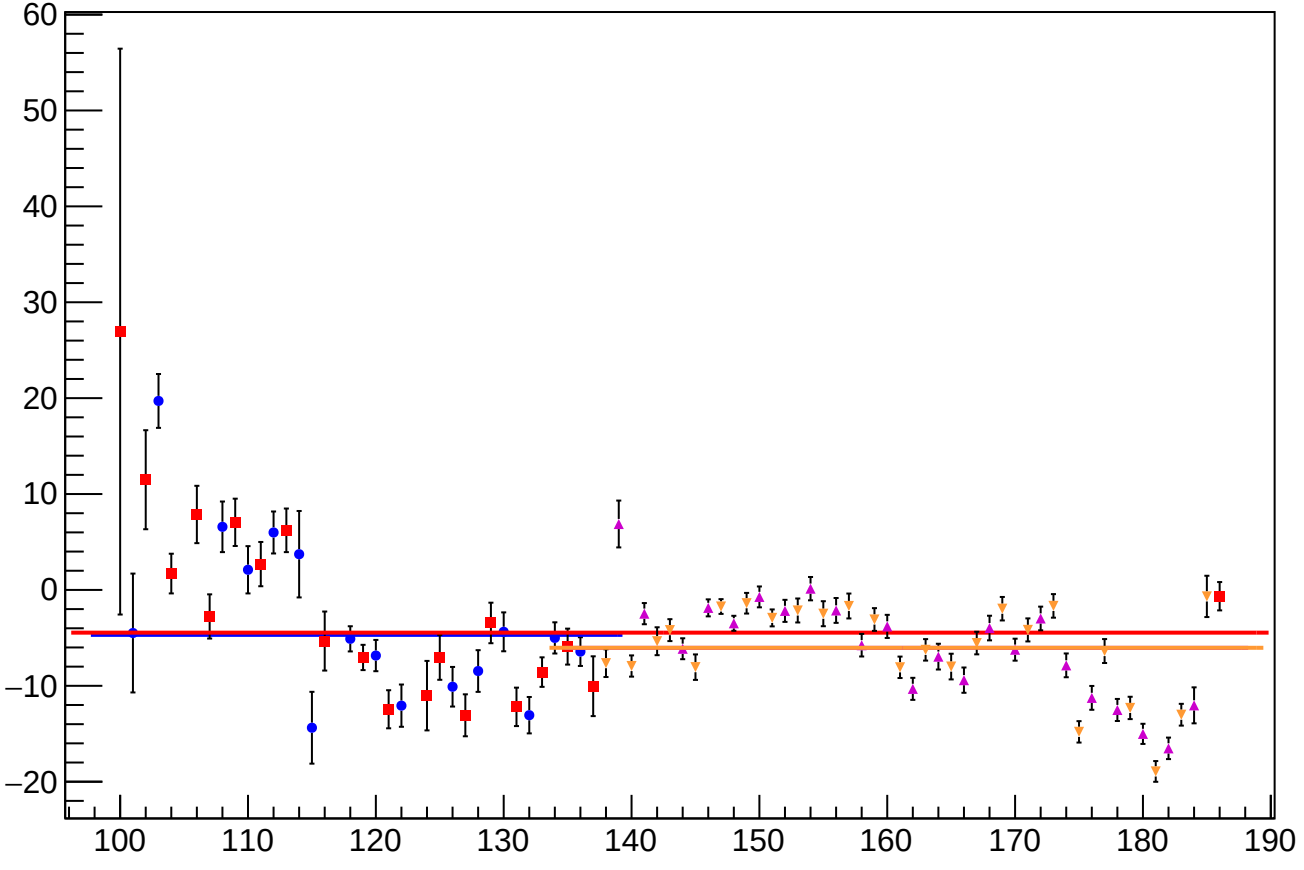
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

\+ sign -2.519+/-0.260 χ^2/NDF: 2108.8/40

All: -3.754+/-0.183 χ^2/NDF: 4306.2/83

\- sign -4.962+/-0.257 χ^2/NDF: 2152.7/42

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -4.456+/-0.484 χ^2/NDF: 163.3/19

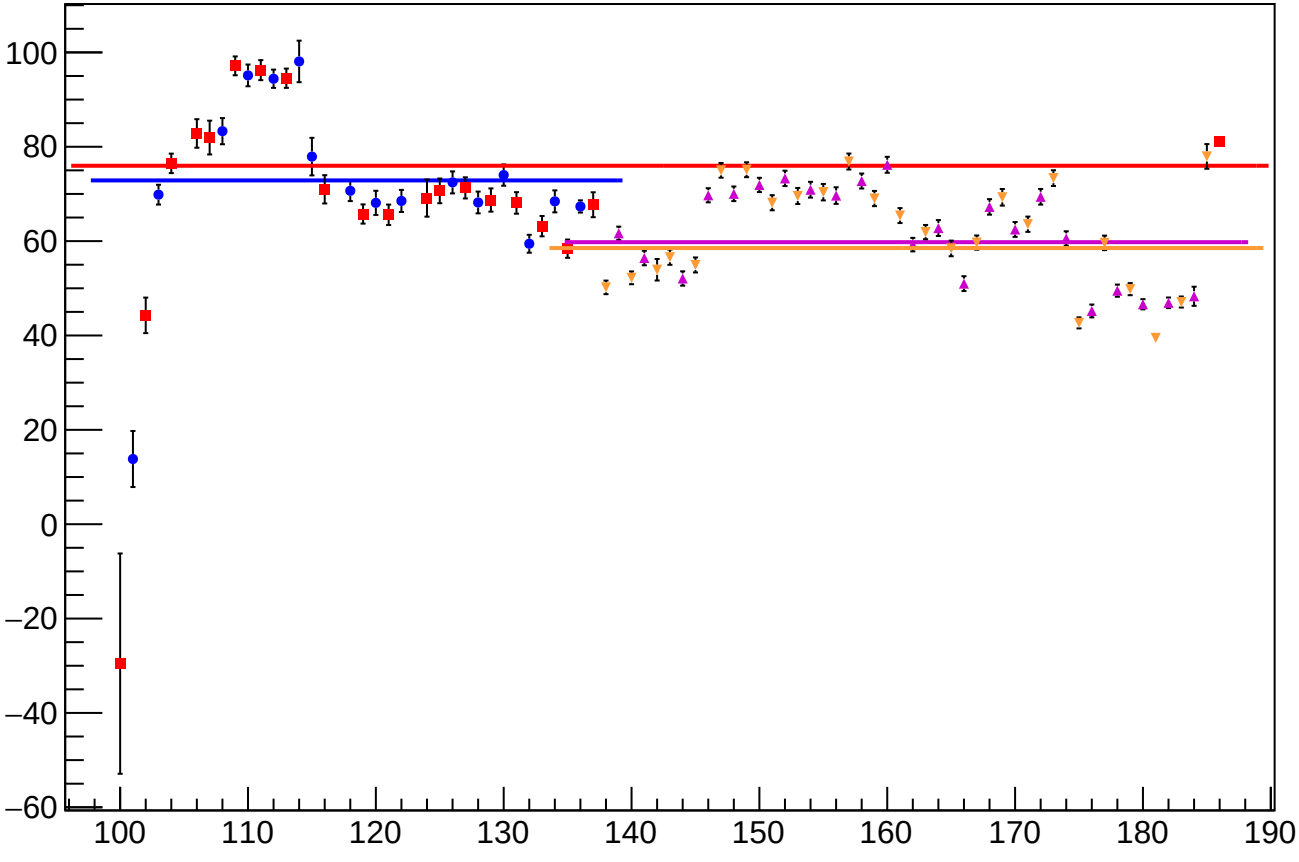
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.807+/-0.213 χ^2/NDF: 599.6/40

All: -5.767+/-0.152 χ^2/NDF: 1167.8/83

- sign -5.725+/-0.217 χ^2/NDF: 568.1/42

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 75.973+/-0.484 χ^2/NDF: 624.1/19

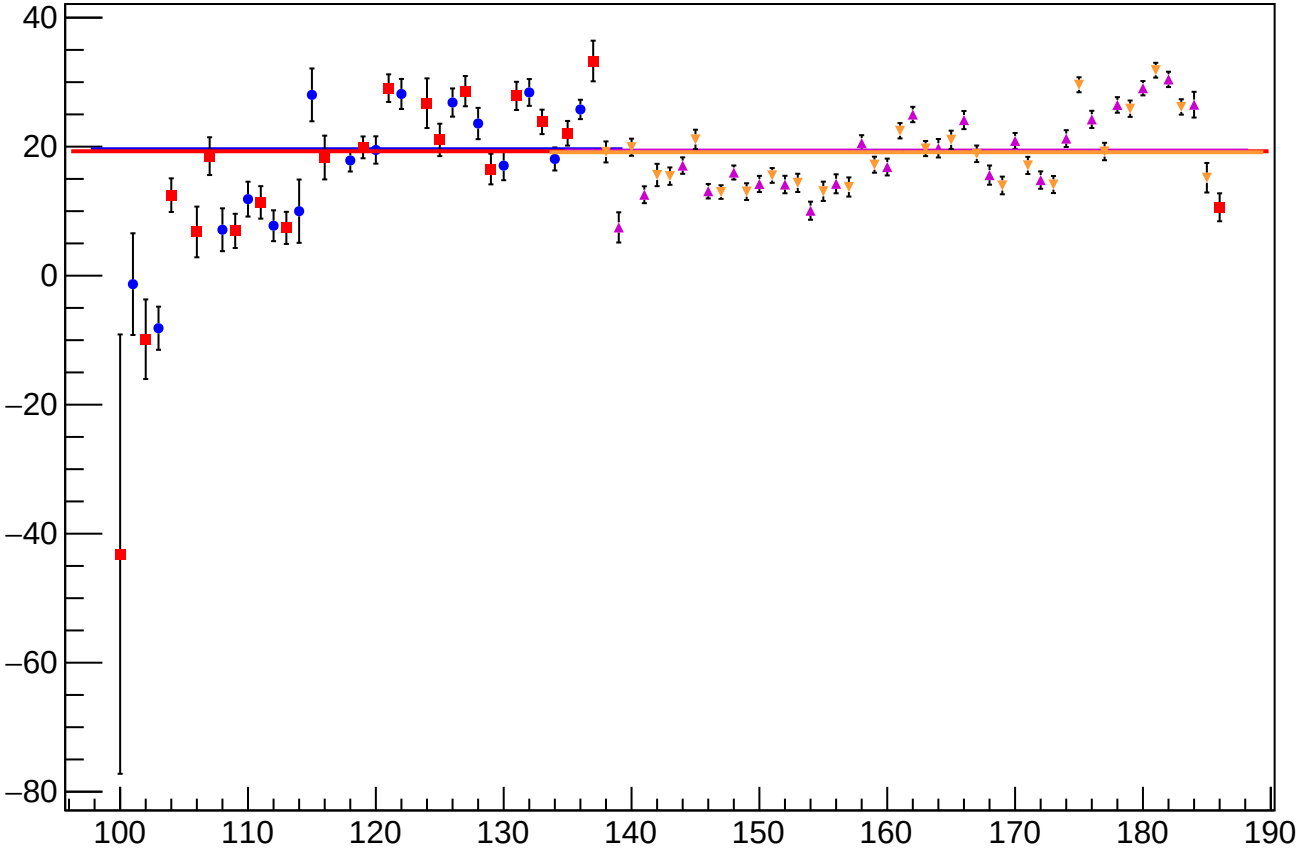
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

\+ sign 61.732+/-0.267 χ^2/NDF: 2399.1/40

All: 63.150+/-0.187 χ^2/NDF: 4939.8/83

\- sign 64.516+/-0.262 χ^2/NDF: 2485.3/42

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 19.285+/-0.565 χ^2/NDF: 198.6/19

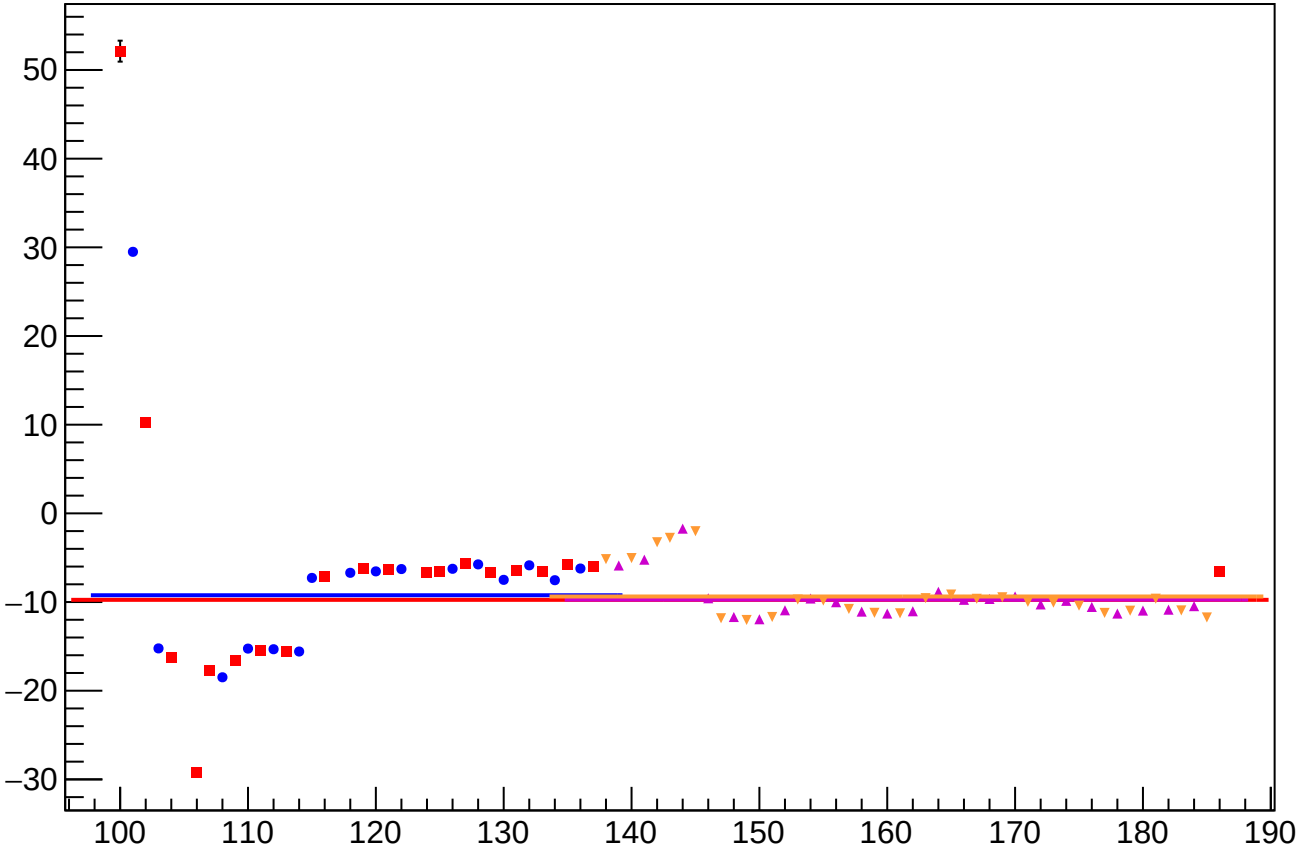
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 19.216+/-0.241 χ^2/NDF: 630.2/40

All: 19.291+/-0.172 χ^2/NDF: 1296.7/83

- sign 19.370+/-0.246 χ^2/NDF: 666.3/42

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -9.752+/-0.034 χ^2/NDF: 54316.9/19

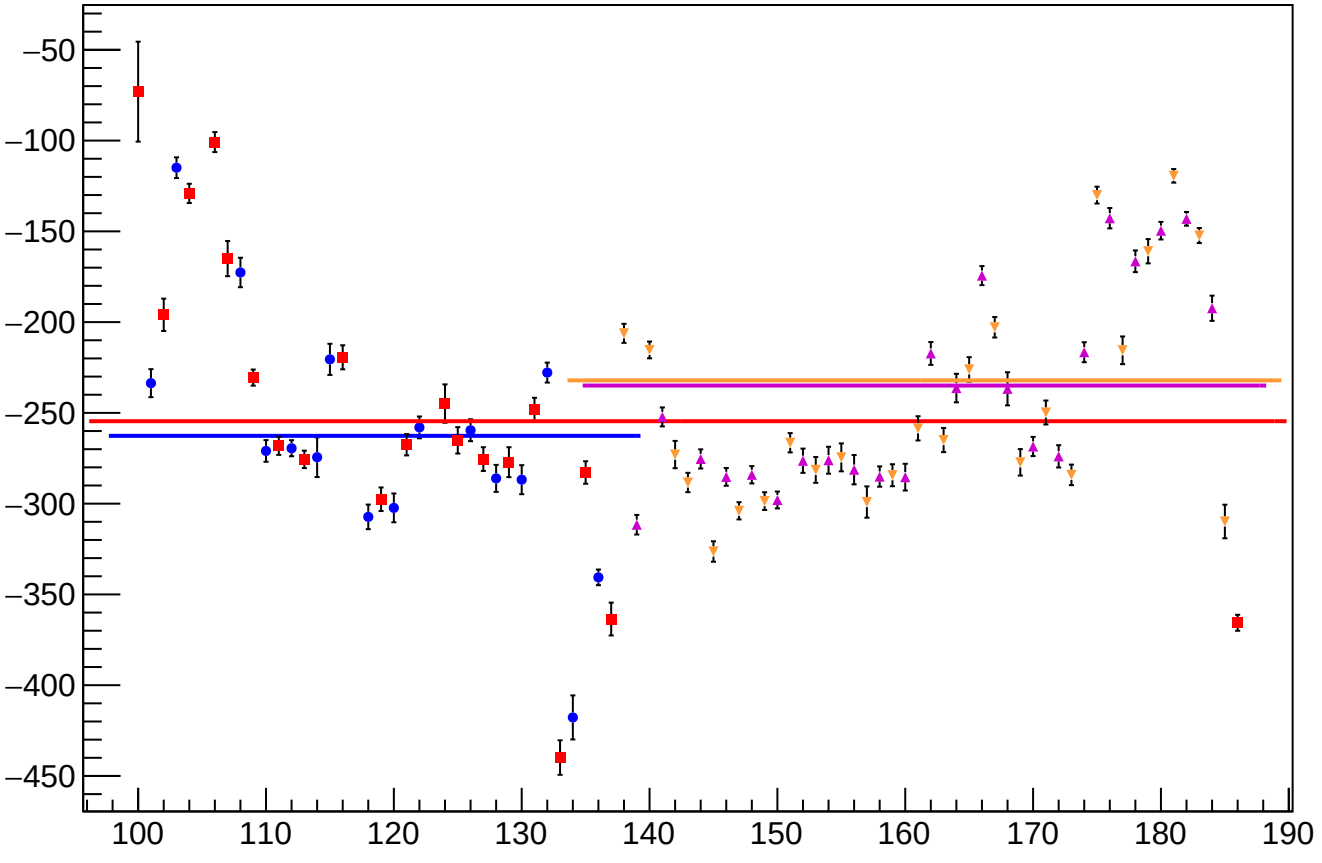
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -9.358+/-0.011 χ^2/NDF: 81109.6/40

All: -9.540+/-0.008 χ^2/NDF: 167917.5/83

- sign -9.729+/-0.011 χ^2/NDF: 86269.1/42

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

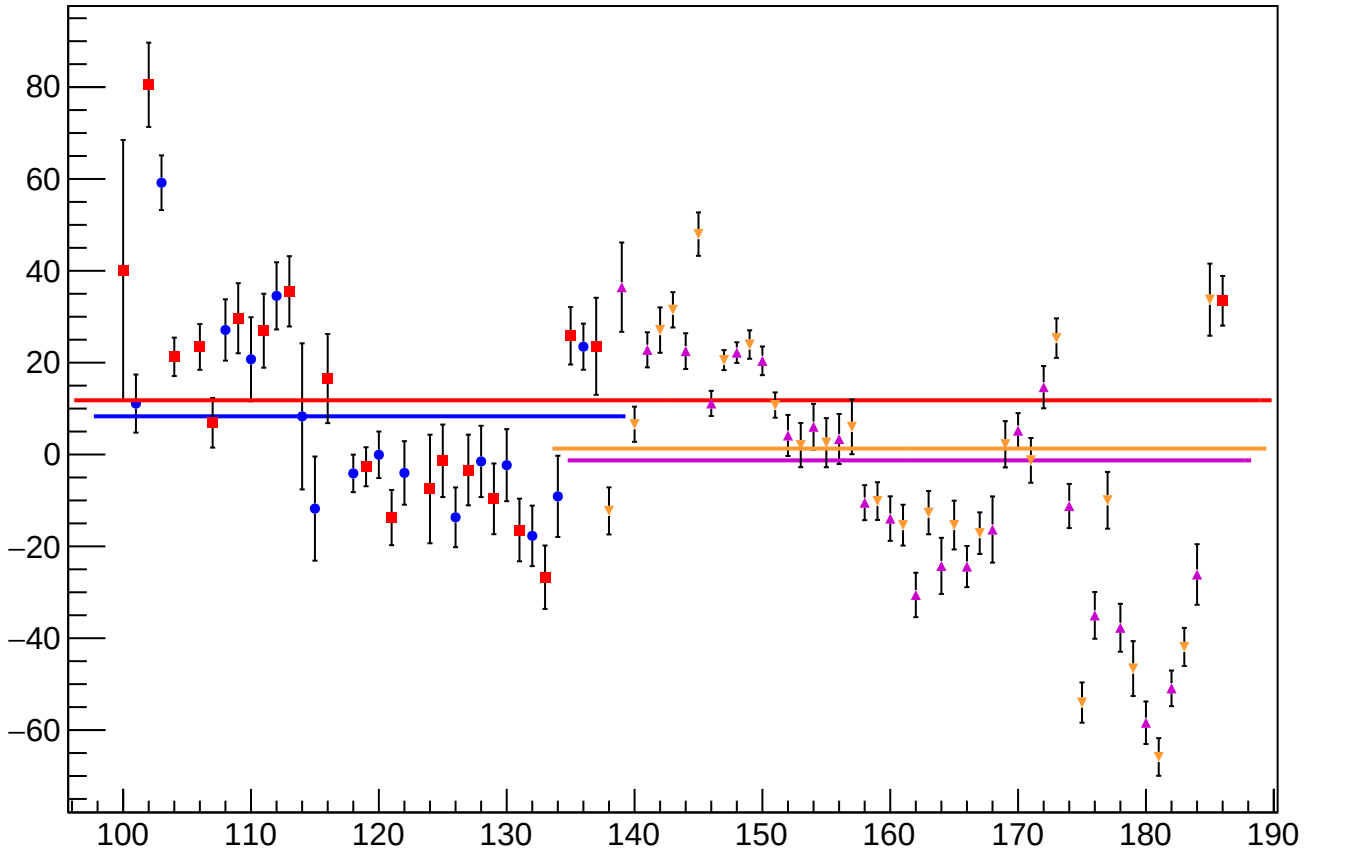
Right Out: -254.580+/-1.425 χ^2/NDF: 2851.3/19

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -242.298+/-0.933 χ^2/NDF: 4962.9/40

All: -242.609+/-0.650 χ^2/NDF: 10397.6/83

- sign -242.902+/-0.907 χ^2/NDF: 5434.4/42



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 11.807+/-1.480 χ^2/NDF: 204.8/19

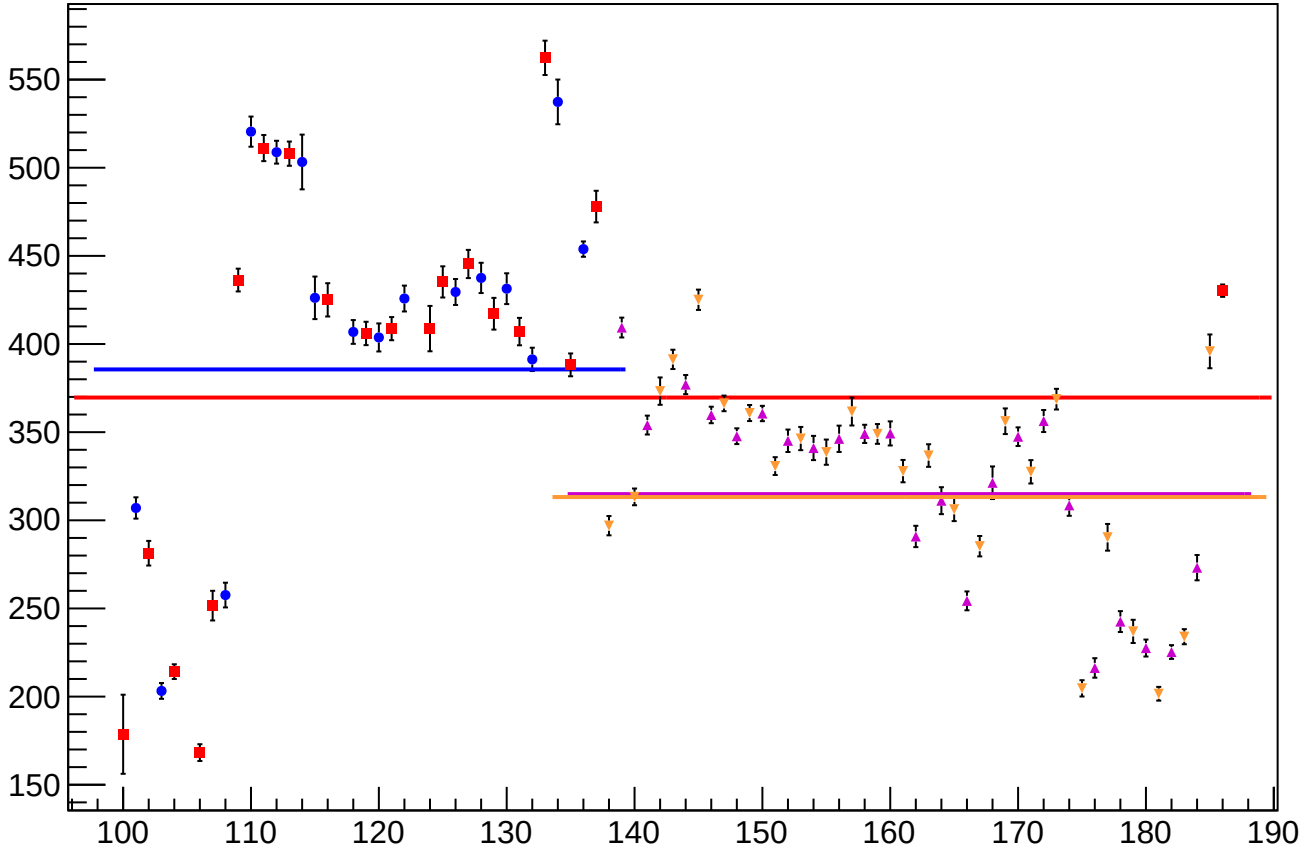
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

+ sign 2.741+/-0.746 χ^2/NDF: 1221.6/40

All: 2.409+/-0.529 χ^2/NDF: 2296.1/83

- sign 2.074+/-0.749 χ^2/NDF: 1074.1/42

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 369.643+/-1.490 χ^2/NDF: 5636.0/19

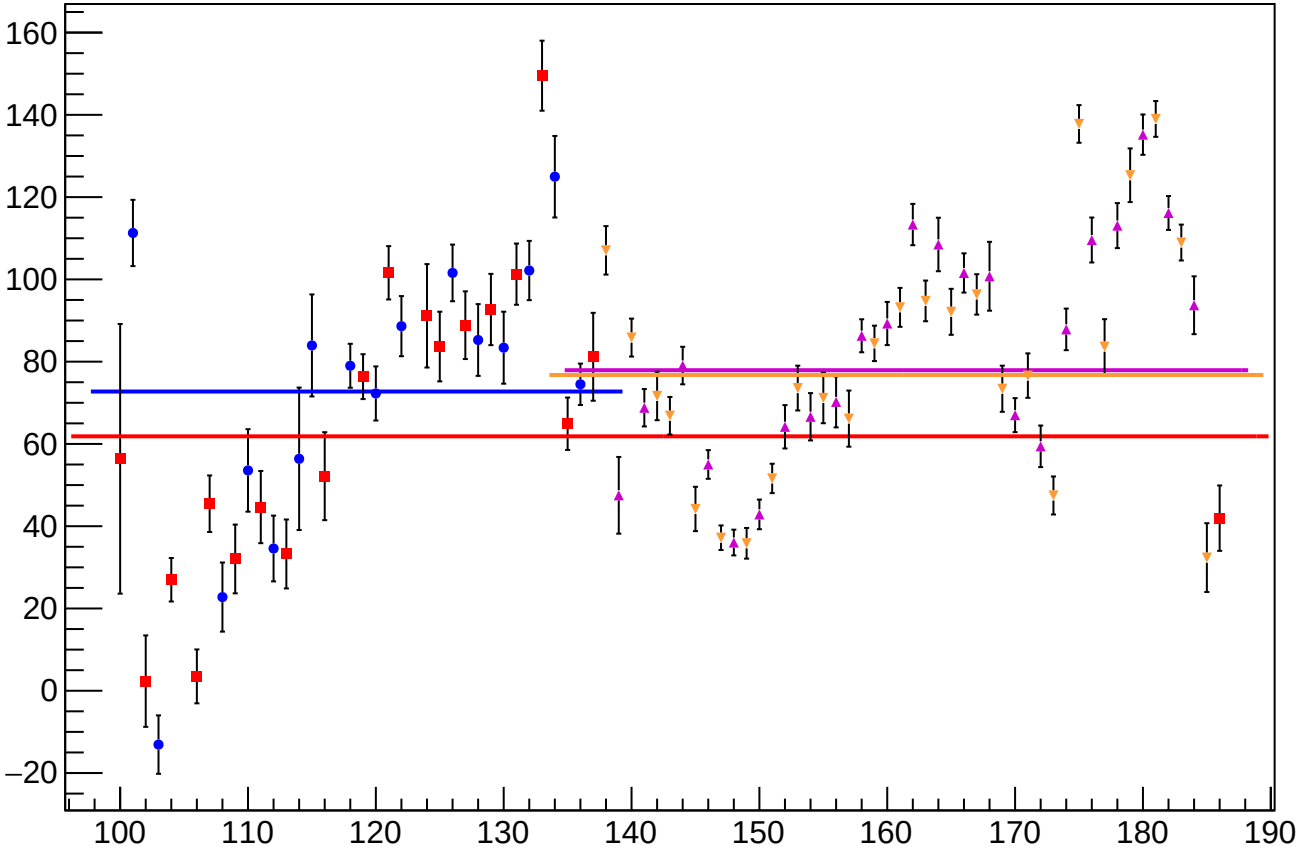
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 334.738+/-0.950 χ^2/NDF: 7721.6/40

All: 335.166+/-0.660 χ^2/NDF: 16627.8/83

- sign 335.564+/-0.916 χ^2/NDF: 8905.8/42

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 61.849+/-1.751 χ^2/NDF: 410.2/19

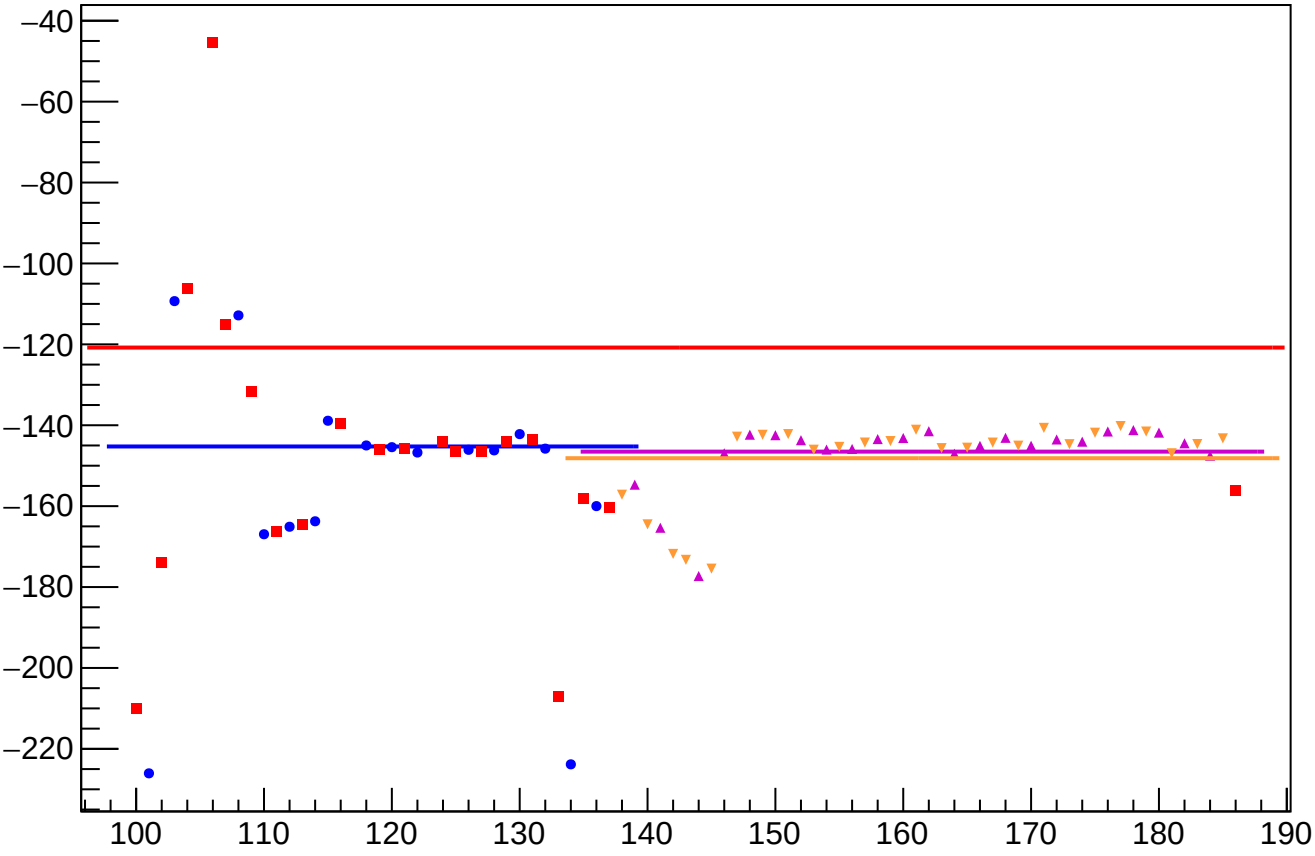
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 75.930+/-0.861 χ^2/NDF: 1343.2/40

All: 74.964+/-0.611 χ^2/NDF: 2603.4/83

- sign 73.988+/-0.866 χ^2/NDF: 1257.7/42

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -120.794+/-0.088 χ^2/NDF: 274217.5/19

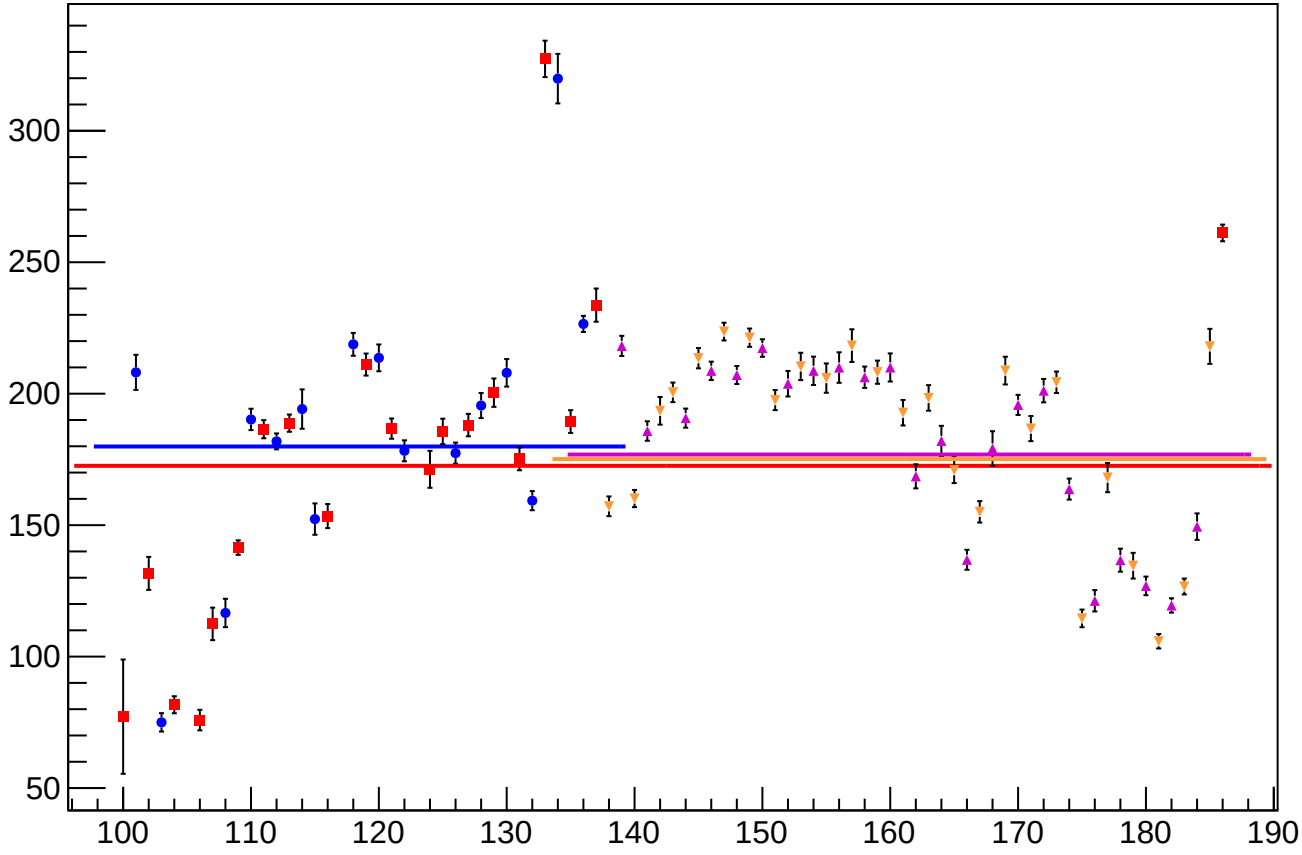
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -147.644+/-0.041 χ^2/NDF: 181687.1/40

All: -144.317+/-0.029 χ^2/NDF: 565593.2/83

- sign -141.078+/-0.040 χ^2/NDF: 370904.2/42

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 172.562+/-0.954 χ^2/NDF: 3277.2/19

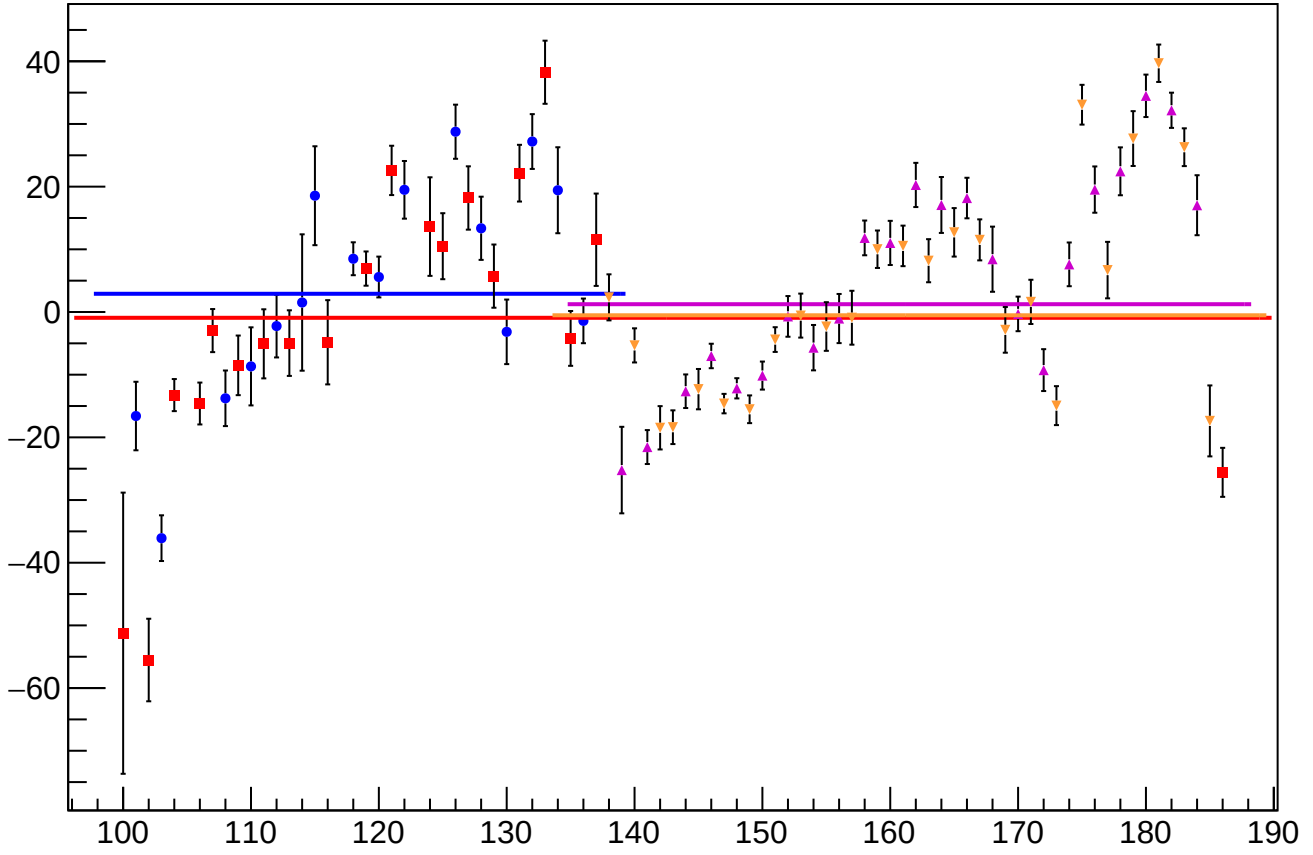
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 176.866+/-0.656 χ^2/NDF: 4040.2/40

All: 175.883+/-0.456 χ^2/NDF: 9089.2/83

- sign 174.967+/-0.633 χ^2/NDF: 5044.7/42

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -0.924+/-0.980 χ^2/NDF: 316.0/19

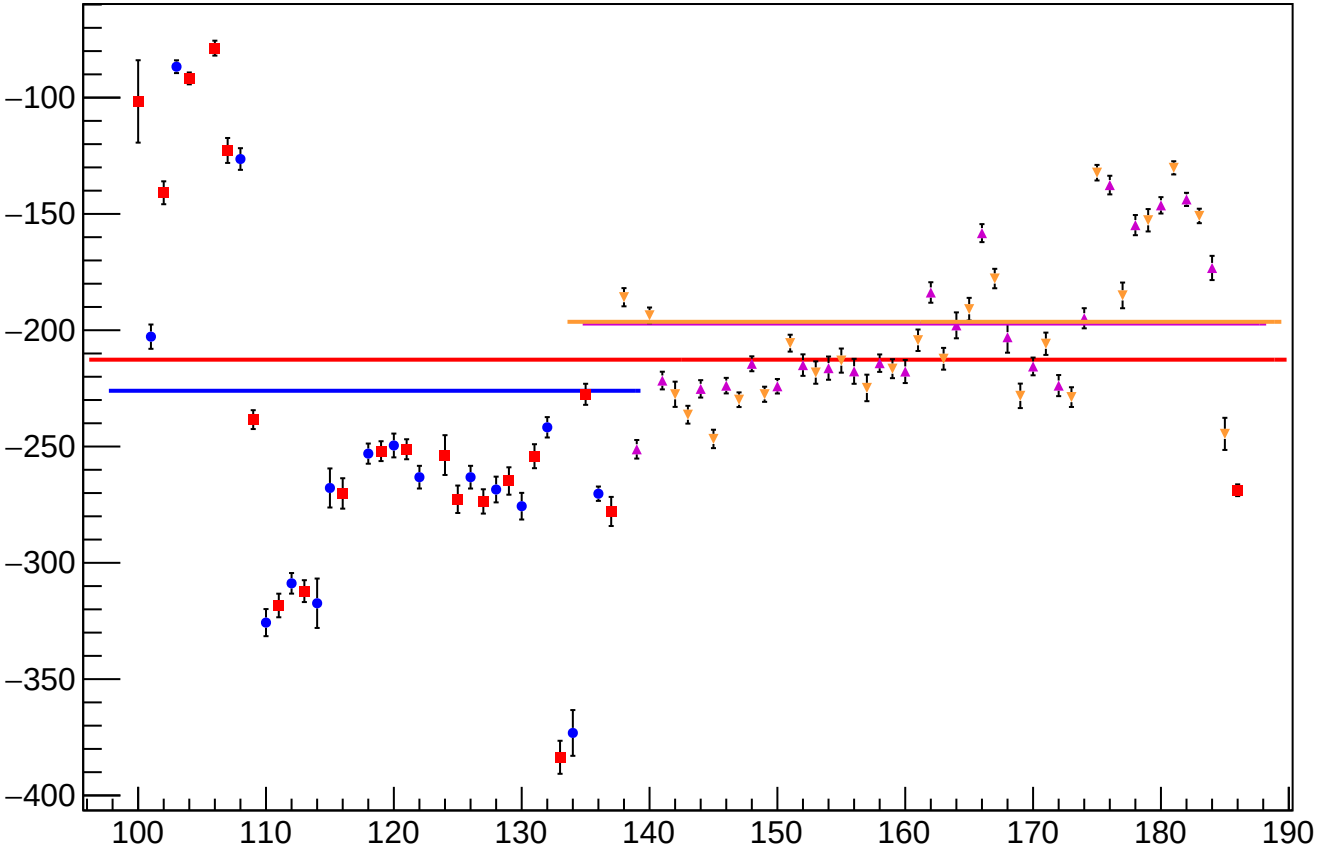
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign 0.260+/-0.528 χ^2/NDF: 979.4/40

All: 0.438+/-0.373 χ^2/NDF: 1919.7/83

- sign 0.616+/-0.527 χ^2/NDF: 940.1/42

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -212.662+/-0.998 χ^2/NDF: 7277.3/19

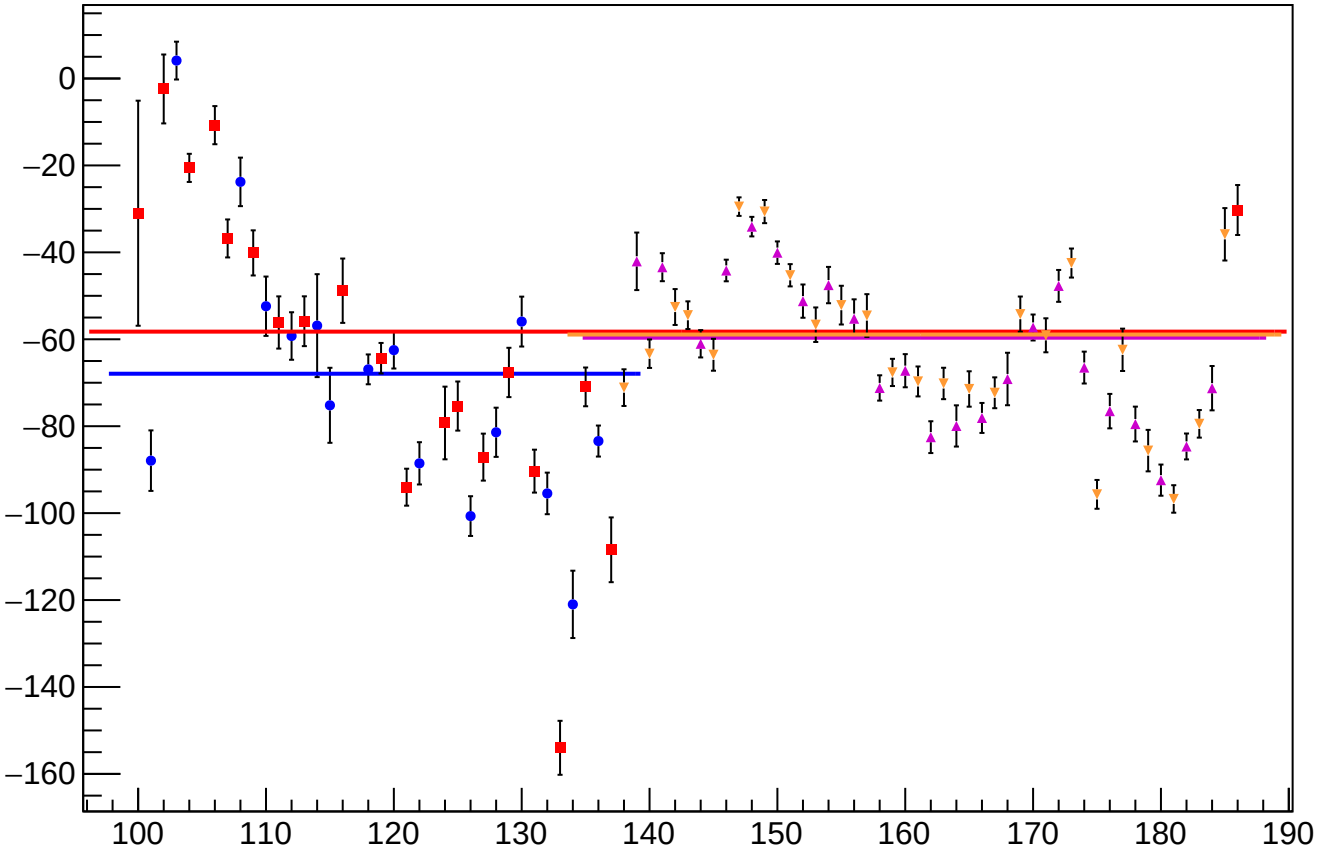
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -206.022+/-0.670 χ^2/NDF: 6966.3/40

All: -204.726+/-0.463 χ^2/NDF: 15994.5/83

- sign -203.538+/-0.641 χ^2/NDF: 9021.0/42

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -58.241+/-1.160 χ^2/NDF: 819.6/19

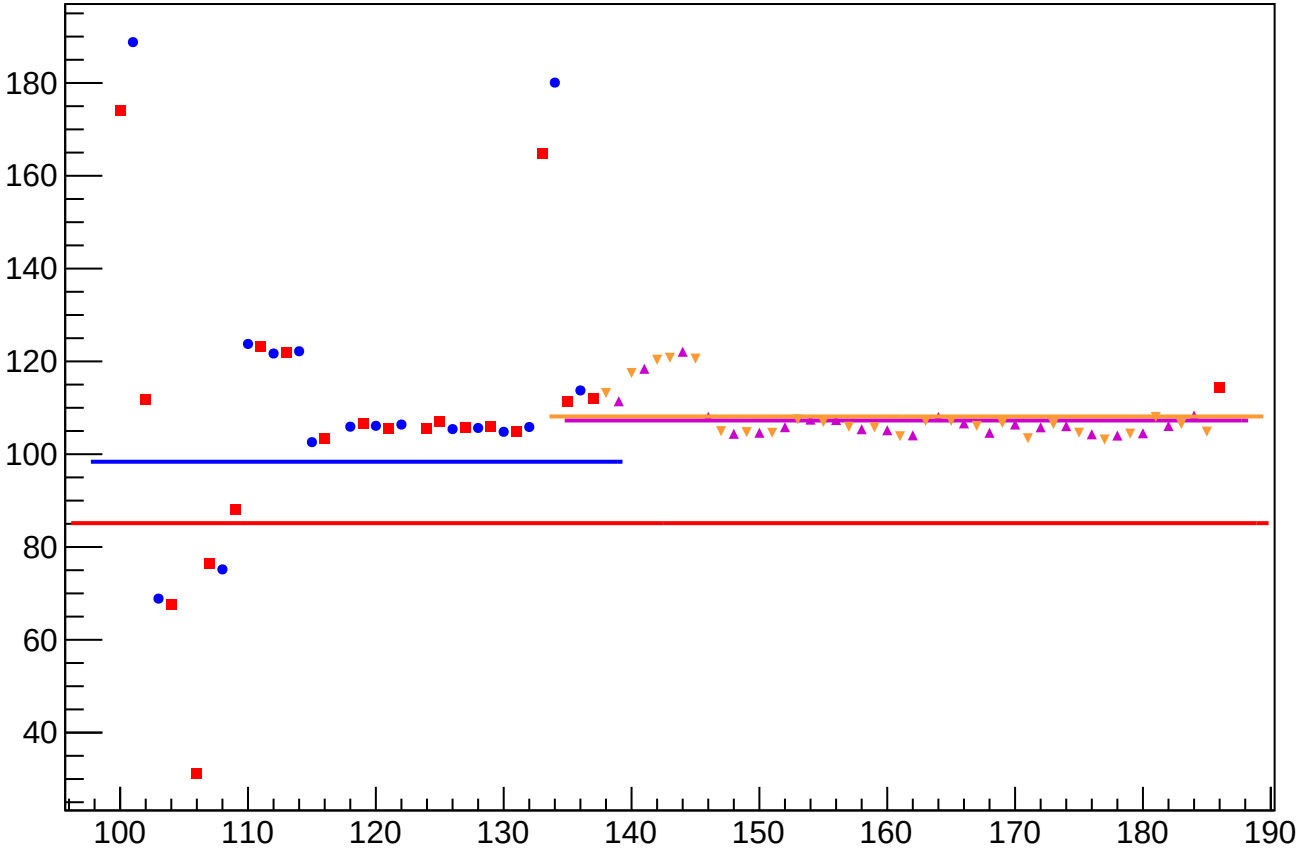
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -60.967+/-0.610 χ^2/NDF: 1355.0/40

All: -60.109+/-0.432 χ^2/NDF: 2776.5/83

- sign -59.250+/-0.611 χ^2/NDF: 1417.6/42

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

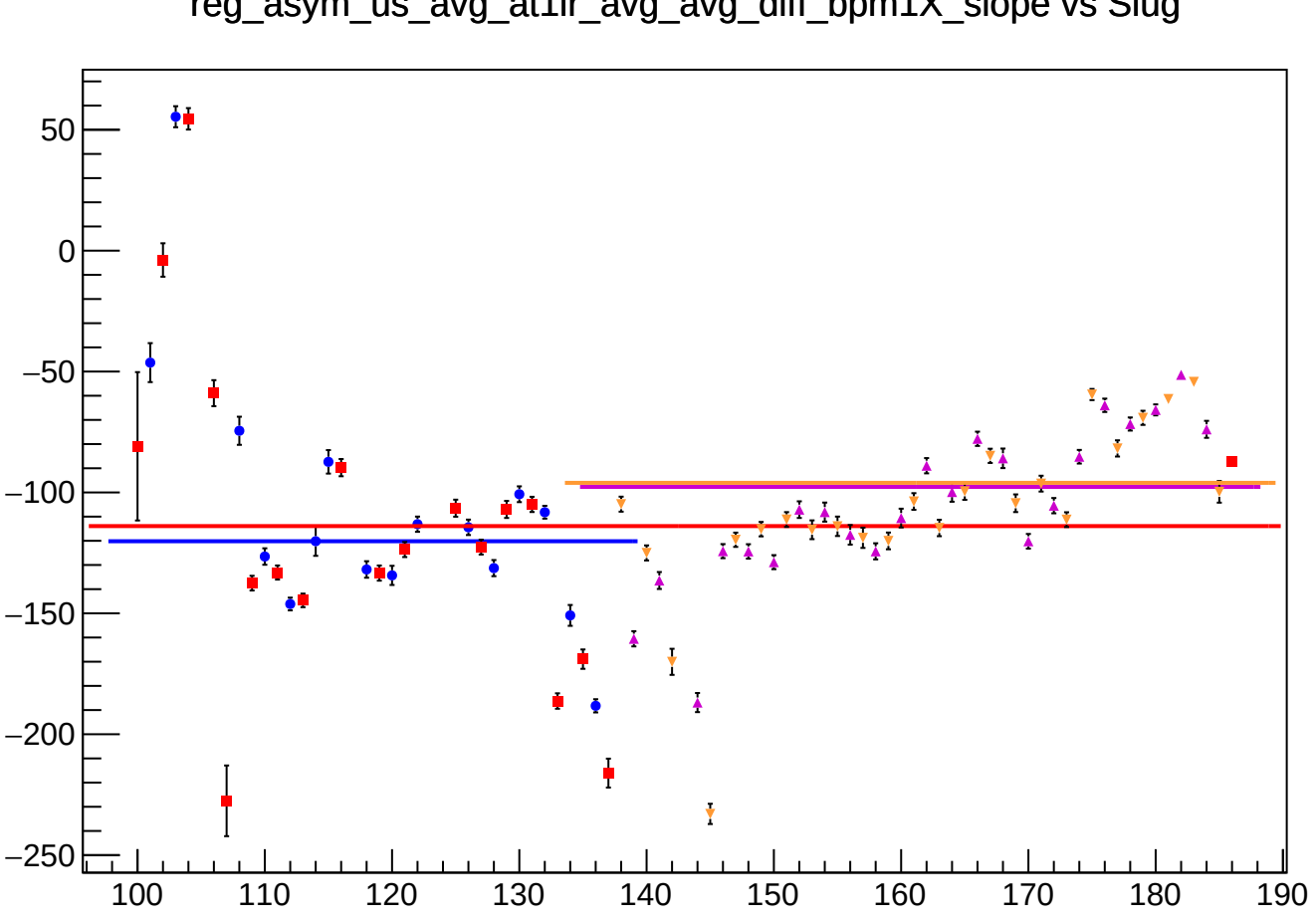
Right Out: 85.141+/-0.060 χ^2/NDF: 274009.7/19

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 106.238+/-0.029 χ^2/NDF: 272428.7/40

All: 104.178+/-0.020 χ^2/NDF: 677875.3/83

- sign 102.165+/-0.029 χ^2/NDF: 395561.1/42



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

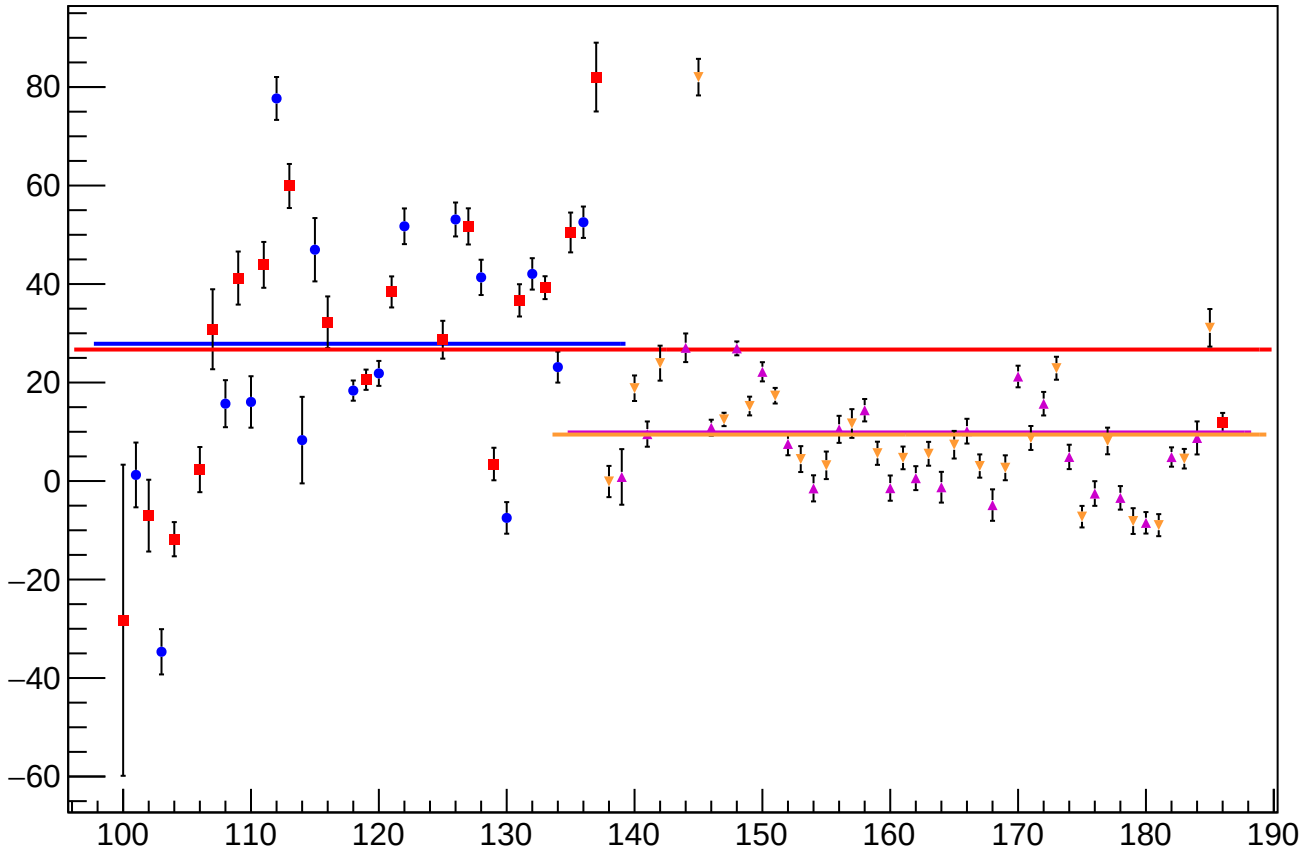
Right Out: -113.918+/-0.773 χ^2/NDF: 3459.5/18

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

\+ sign -104.164+/-0.517 χ^2/NDF: 5949.7/39

All: -104.229+/-0.356 χ^2/NDF: 12311.4/81

\- sign -104.287+/-0.492 χ^2/NDF: 6361.7/41



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 26.700+/-0.815 χ^2/NDF: 561.5/18

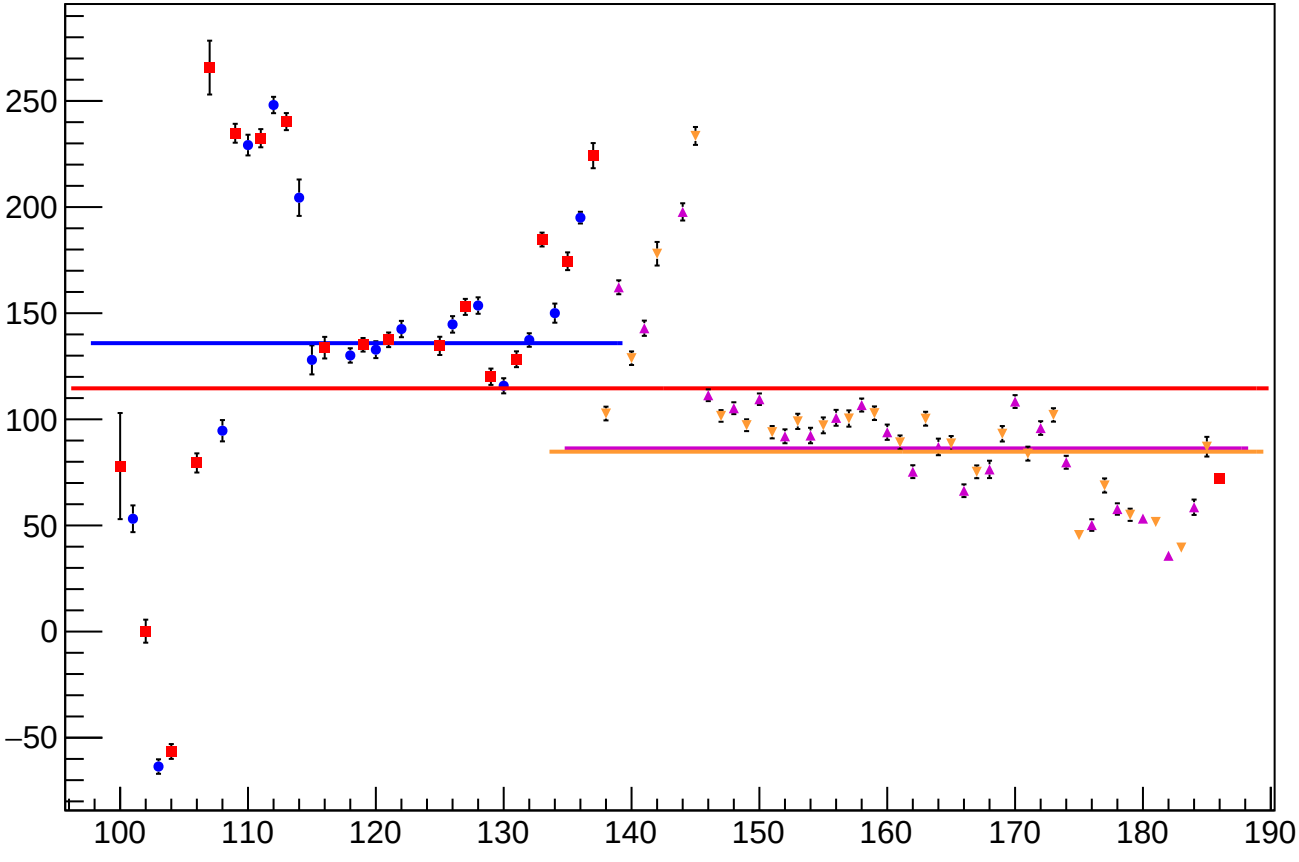
Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

\+ sign 13.578+/-0.421 χ^2/NDF: 1770.0/39

All: 13.935+/-0.297 χ^2/NDF: 3132.8/81

\- sign 14.288+/-0.418 χ^2/NDF: 1361.4/41

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

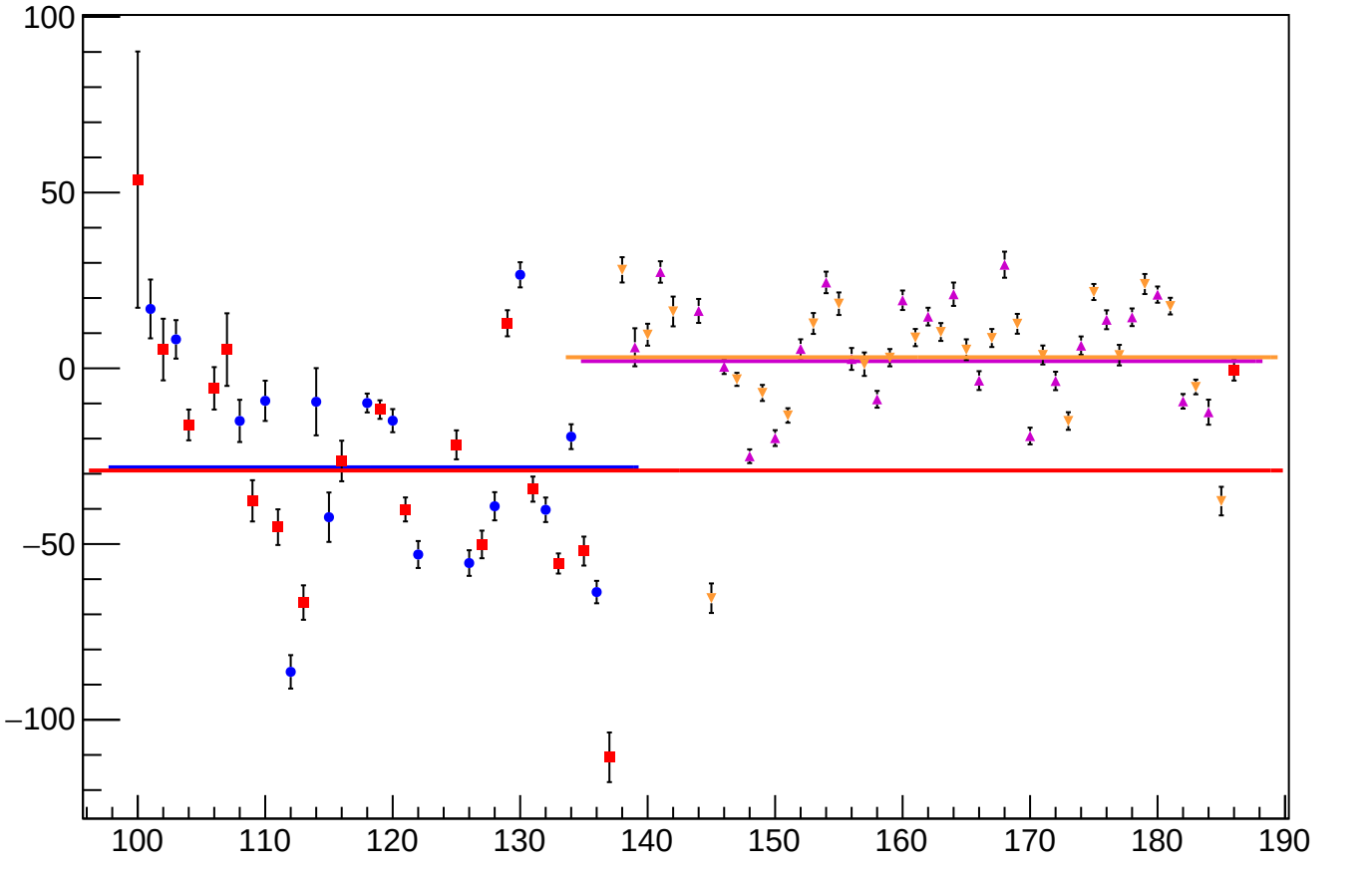
Right Out: 114.601+/-0.795 χ^2/NDF: 7788.4/18

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

+ sign 99.287+/-0.532 χ^2/NDF: 10450.6/39

All: 98.196+/-0.362 χ^2/NDF: 22176.2/81

- sign 97.253+/-0.495 χ^2/NDF: 11717.7/41



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

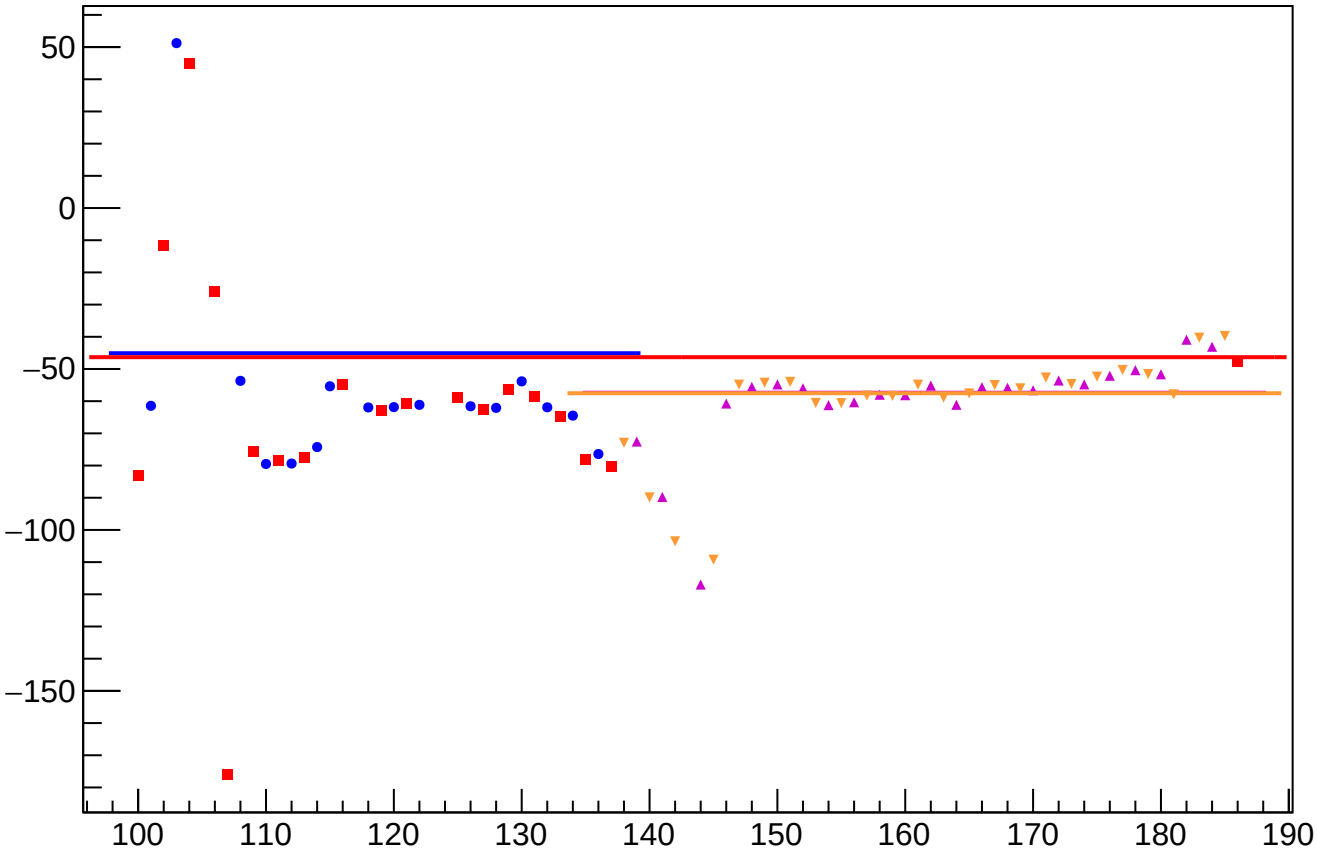
Right Out: -29.074+/-0.971 χ^2/NDF: 683.3/18

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

+ sign -3.758+/-0.480 χ^2/NDF: 2337.1/39

All: -4.643+/-0.339 χ^2/NDF: 4654.7/81

- sign -5.526+/-0.479 χ^2/NDF: 2310.8/41



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -46.335+/-0.060 χ^2/NDF: 493653.0/18

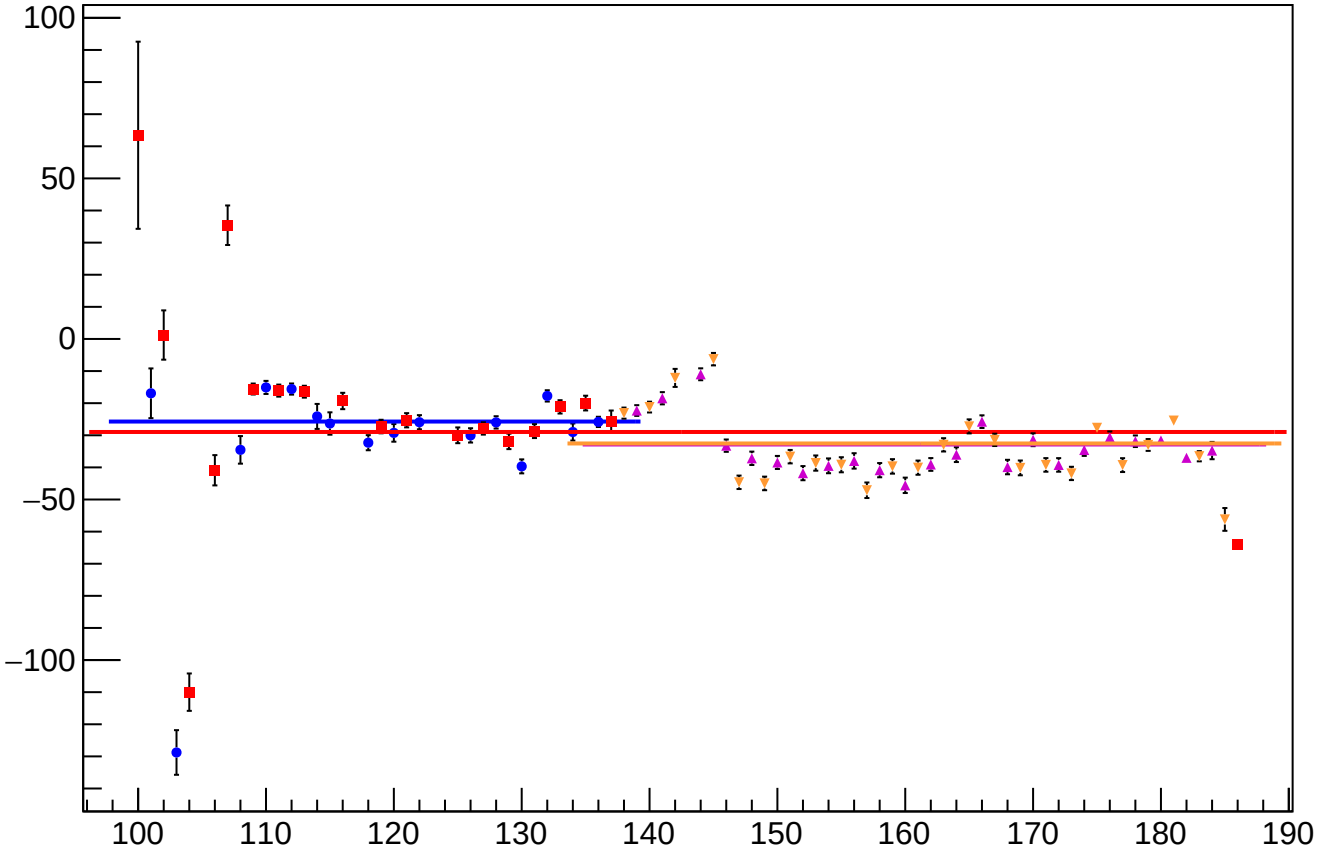
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -55.730+/-0.023 χ^2/NDF: 878724.9/39

All: -55.752+/-0.016 χ^2/NDF: 1628407.1/81

- 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: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

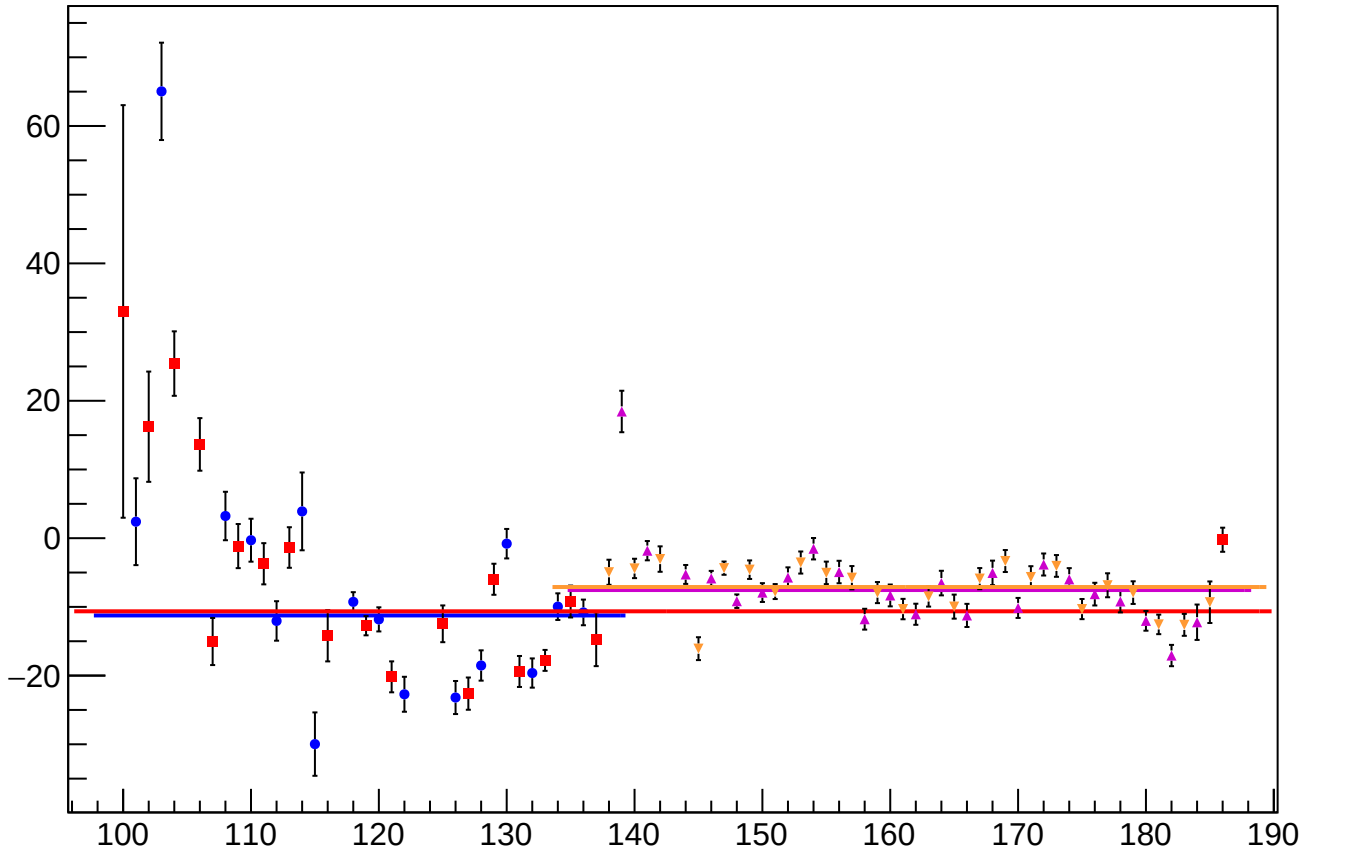
Right Out: -28.970+/-0.538 χ^2/NDF: 1149.3/18

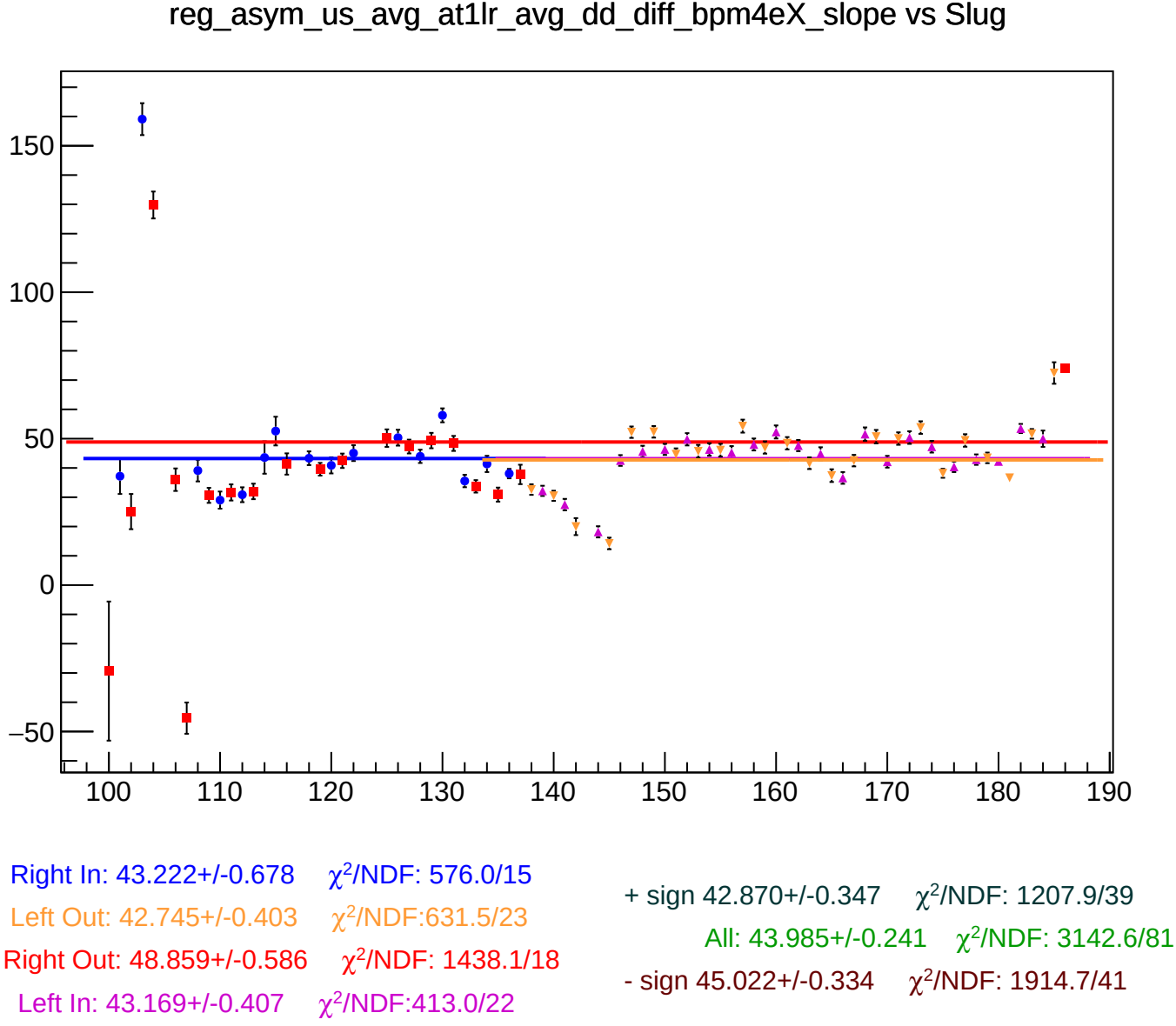
Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

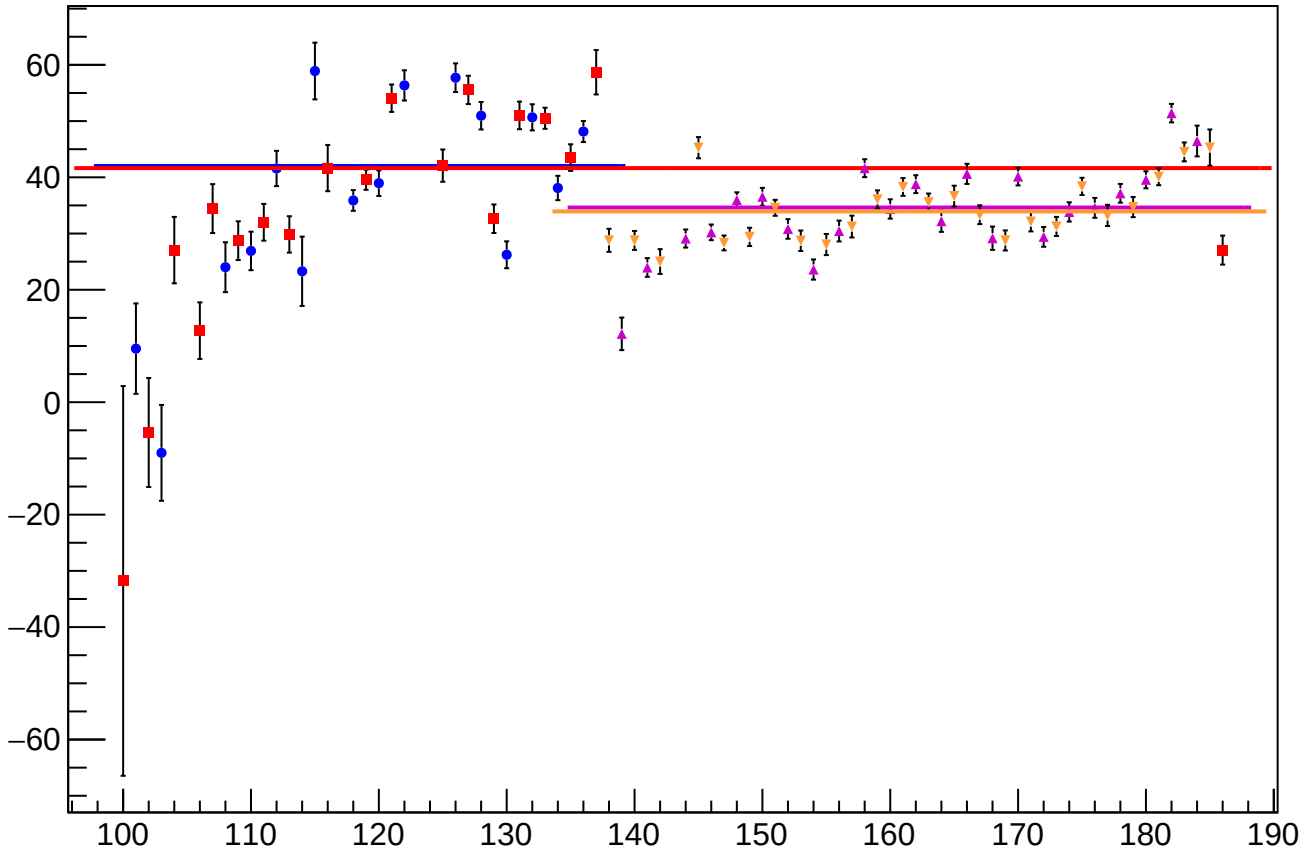
+ sign -30.352+/-0.335 χ^2/NDF: 1057.3/39

All: -30.904+/-0.234 χ^2/NDF: 2618.3/81

- sign -31.431+/-0.327 χ^2/NDF: 1555.6/41


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
190
Right In: -11.246+/-0.600 χ²/NDF: 271.1/15
Left Out: -7.110+/-0.309 χ²/NDF:109.5/23
Right Out: -10.643+/-0.574 χ²/NDF: 263.9/18
Left In: -7.547+/-0.315 χ²/NDF:199.7/22
+ sign -7.978+/-0.275 χ²/NDF: 418.1/39
All: -8.120+/-0.195 χ²/NDF: 904.7/81
- sign -8.265+/-0.276 χ²/NDF: 486.1/41


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
190
Right In: 43.222+/-0.678 χ²/NDF: 576.0/15
Left Out: 42.745+/-0.403 χ²/NDF:631.5/23
Right Out: 48.859+/-0.586 χ²/NDF: 1438.1/18
Left In: 43.169+/-0.407 χ²/NDF:413.0/22
+ sign 42.870+/-0.347 χ²/NDF: 1207.9/39
All: 43.985+/-0.241 χ²/NDF: 3142.6/81
- sign 45.022+/-0.334 χ²/NDF: 1914.7/41



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

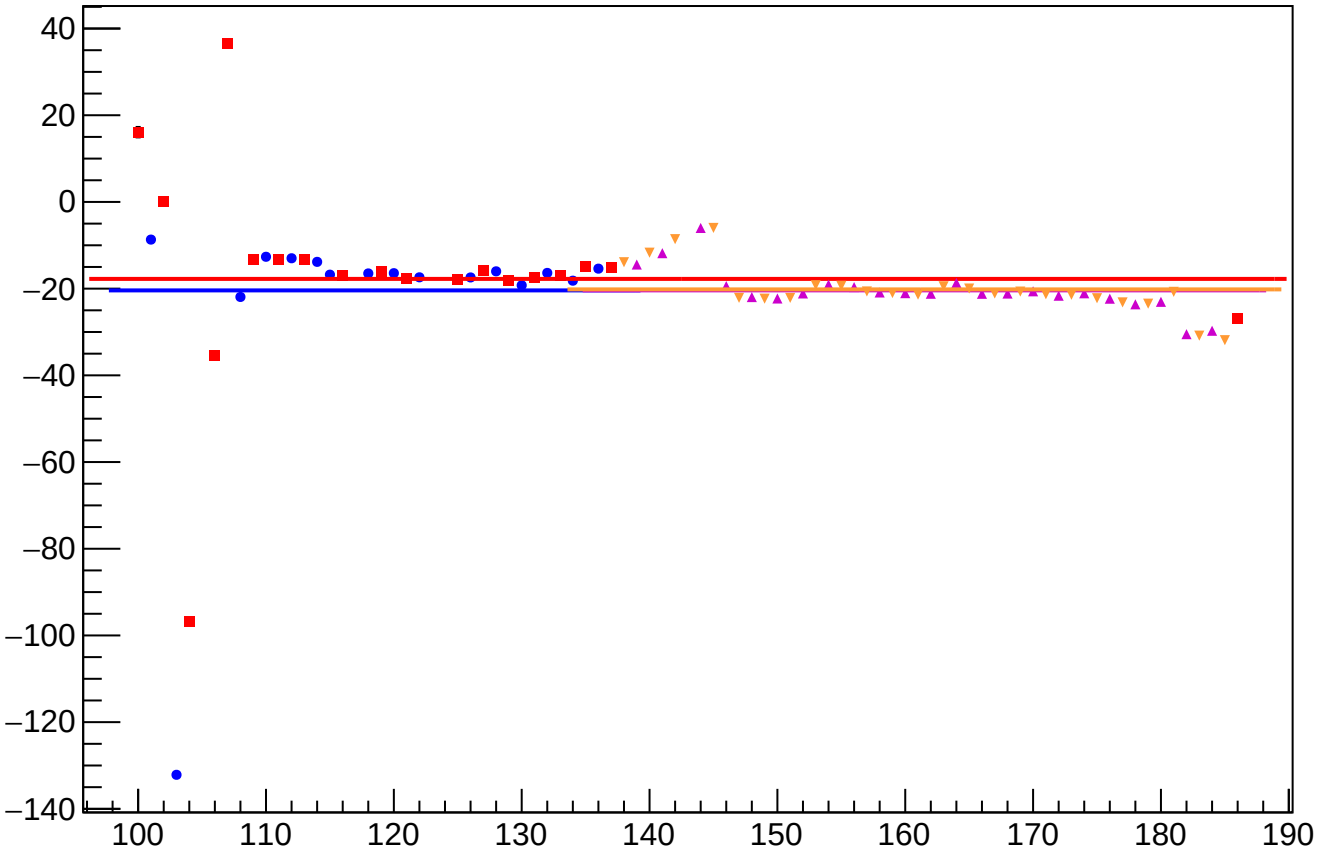
Right Out: 41.638+/-0.671 χ^2/NDF: 264.6/18

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

+ sign 35.613+/-0.312 χ^2/NDF: 599.7/39

All: 35.887+/-0.222 χ^2/NDF: 1327.2/81

- sign 36.166+/-0.315 χ^2/NDF: 725.9/41



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

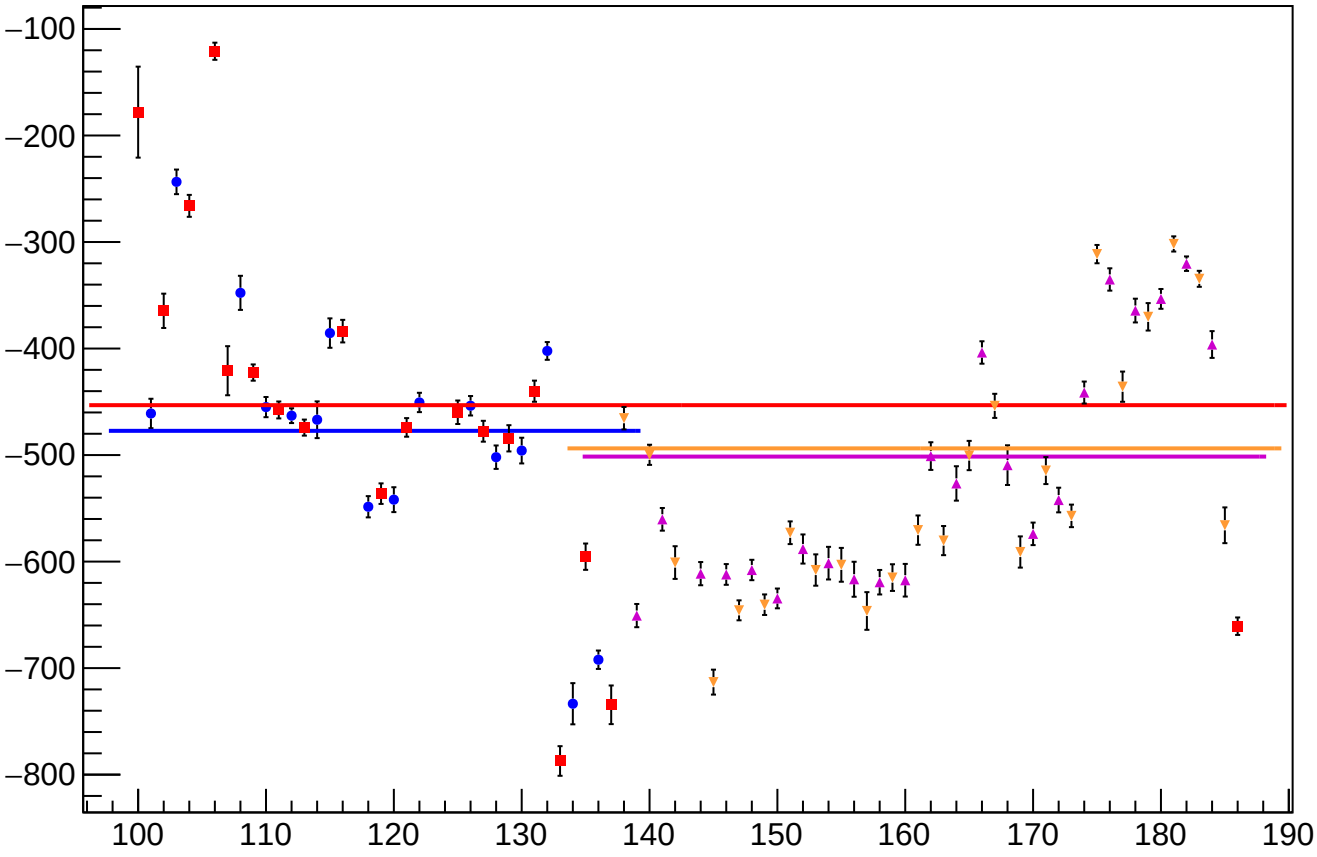
Right Out: -17.753+/-0.043 χ^2/NDF: 207200.9/18

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

\+ sign -20.202+/-0.015 χ^2/NDF: 345585.7/39

All: -20.142+/-0.010 χ^2/NDF: 637320.7/81

\- sign -20.081+/-0.015 χ^2/NDF: 291701.2/41



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

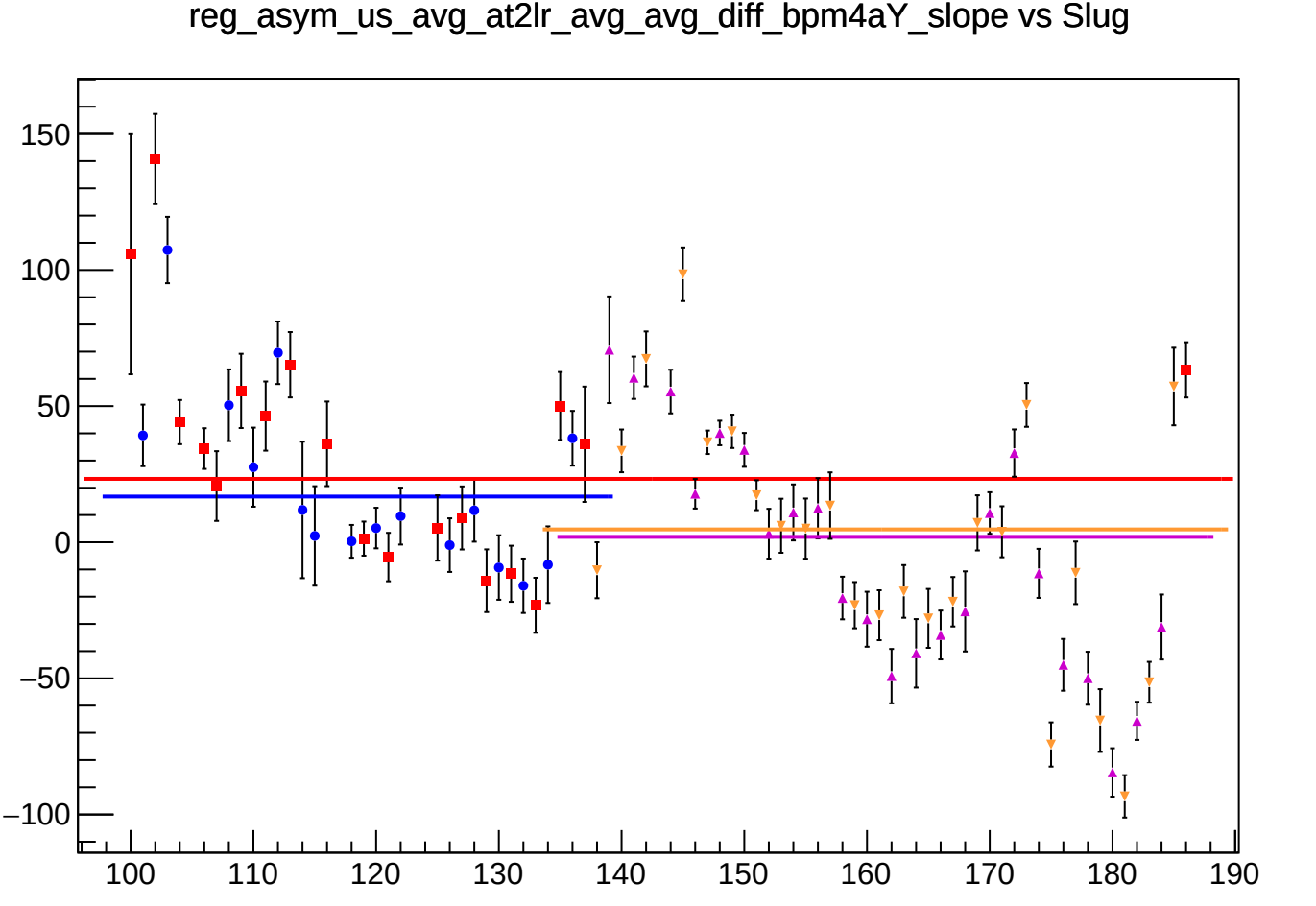
Right Out: -453.159+/-2.360 χ^2/NDF: 3859.6/18

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

\+ sign -486.613+/-1.730 χ^2/NDF: 4683.0/39

All: -482.019+/-1.194 χ^2/NDF: 11459.3/81

\- sign -477.844+/-1.649 χ^2/NDF: 6762.8/41



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 23.274+/-2.472 χ^2/NDF: 174.5/18

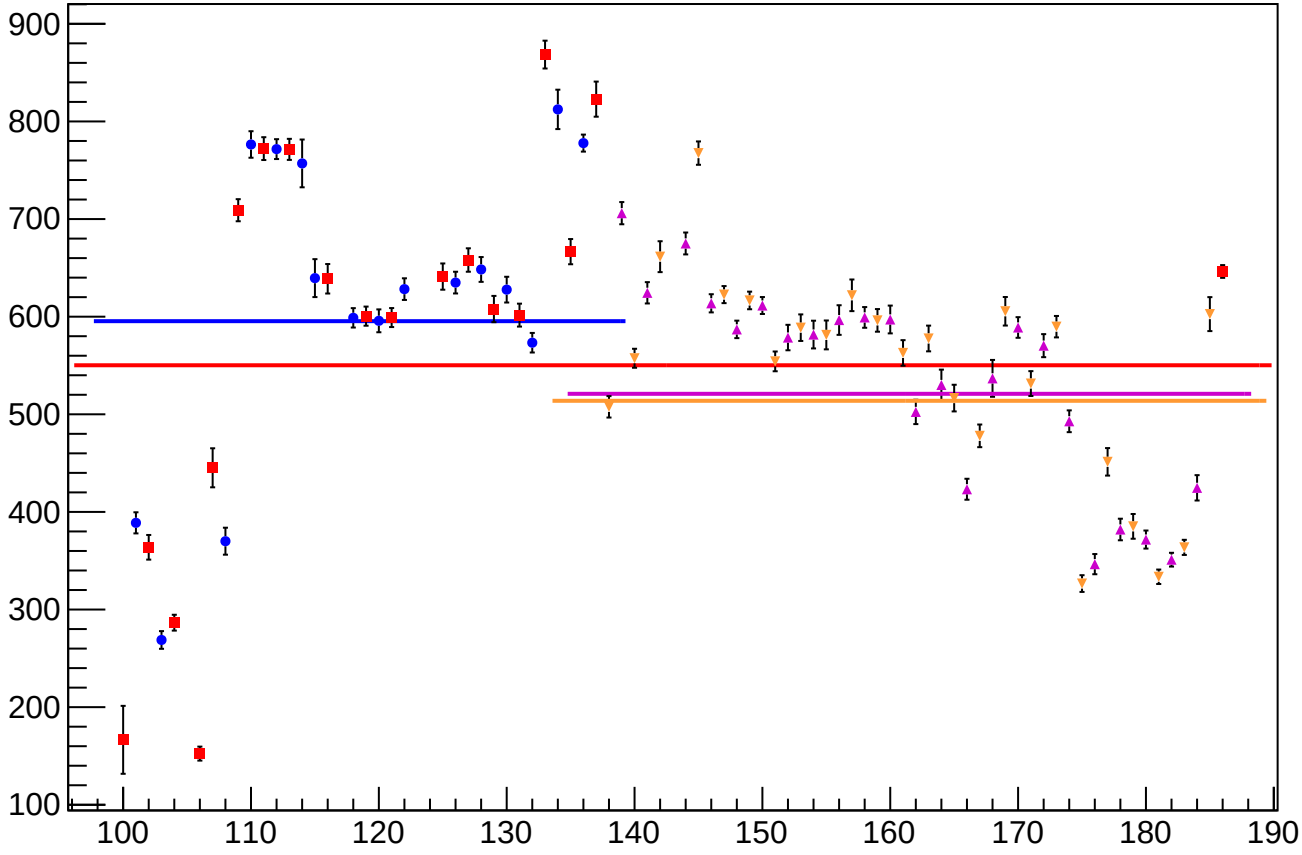
Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

+ sign 8.207+/-1.429 χ^2/NDF: 820.0/39

All: 8.574+/-1.005 χ^2/NDF: 1605.4/81

- sign 8.932+/-1.413 χ^2/NDF: 785.3/41

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

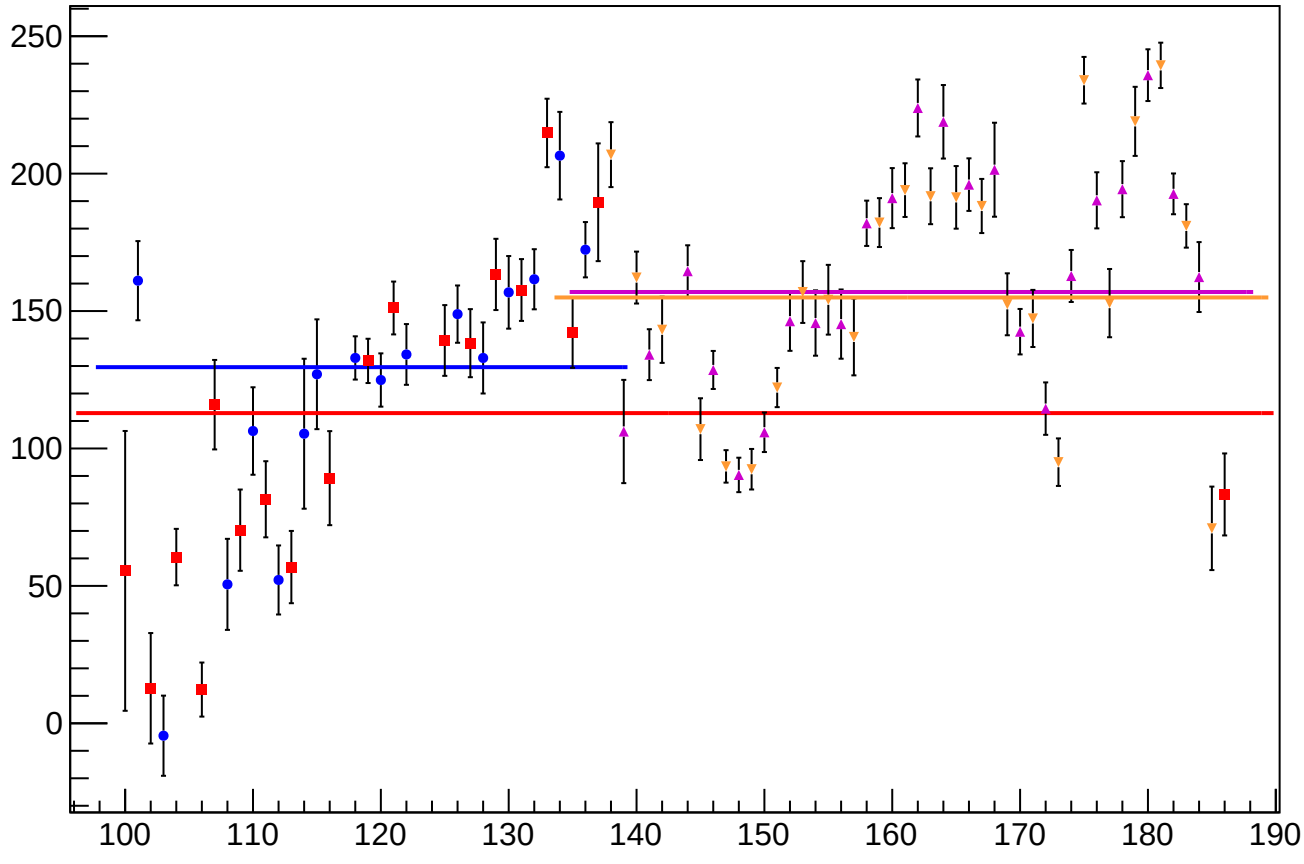
Right Out: 550.236+/-2.532 χ^2/NDF: 6757.0/18

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

\+ sign 544.551+/-1.798 χ^2/NDF: 6278.6/39

All: 539.024+/-1.233 χ^2/NDF: 15569.8/81

\- sign 534.108+/-1.696 χ^2/NDF: 9273.4/41



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

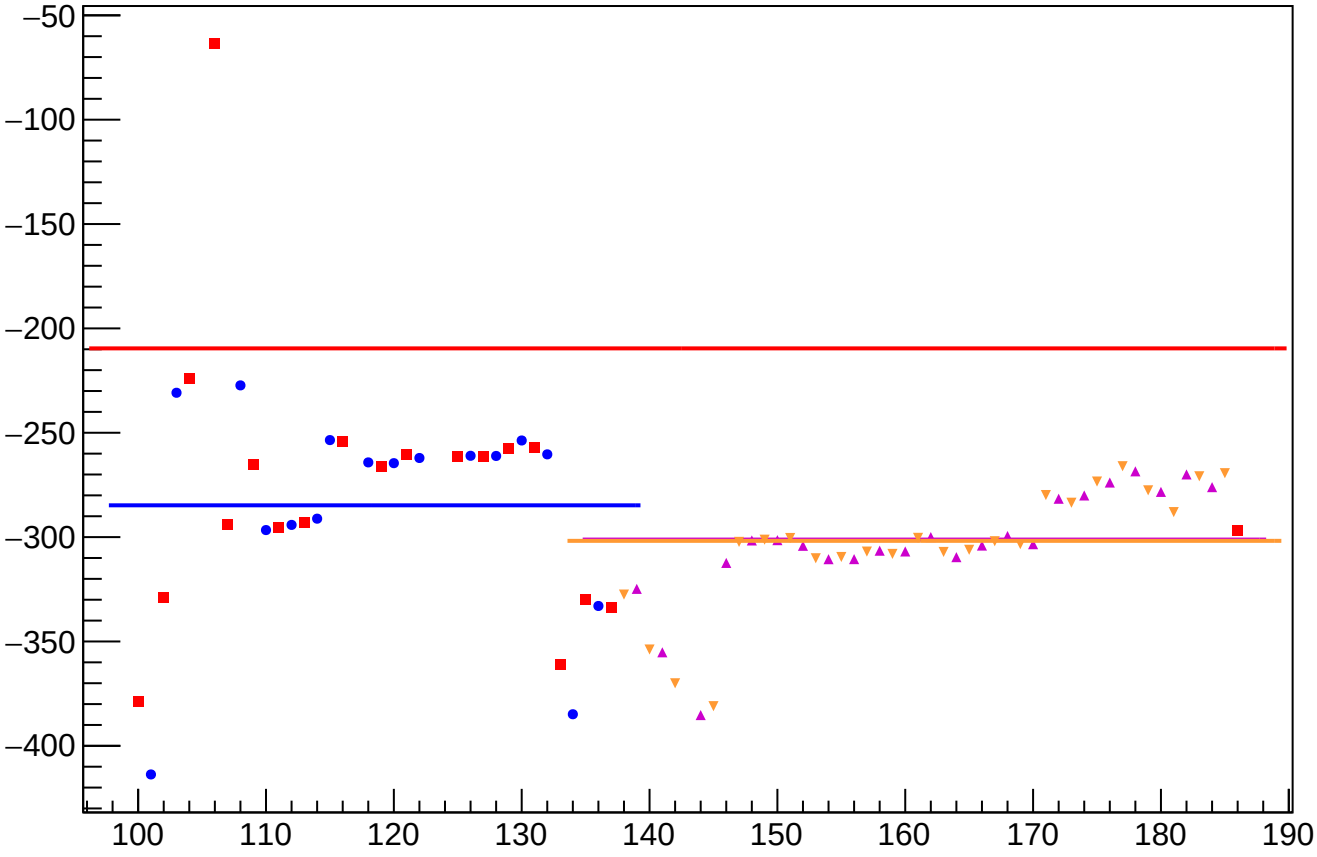
Right Out: 112.870+/-2.919 χ^2/NDF: 340.0/18

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 147.674+/-1.650 χ^2/NDF: 868.6/39

All: 145.380+/-1.161 χ^2/NDF: 1812.1/81

- sign 143.131+/-1.634 χ^2/NDF: 939.7/41



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -209.575+/-0.147 χ^2/NDF: 543550.2/18

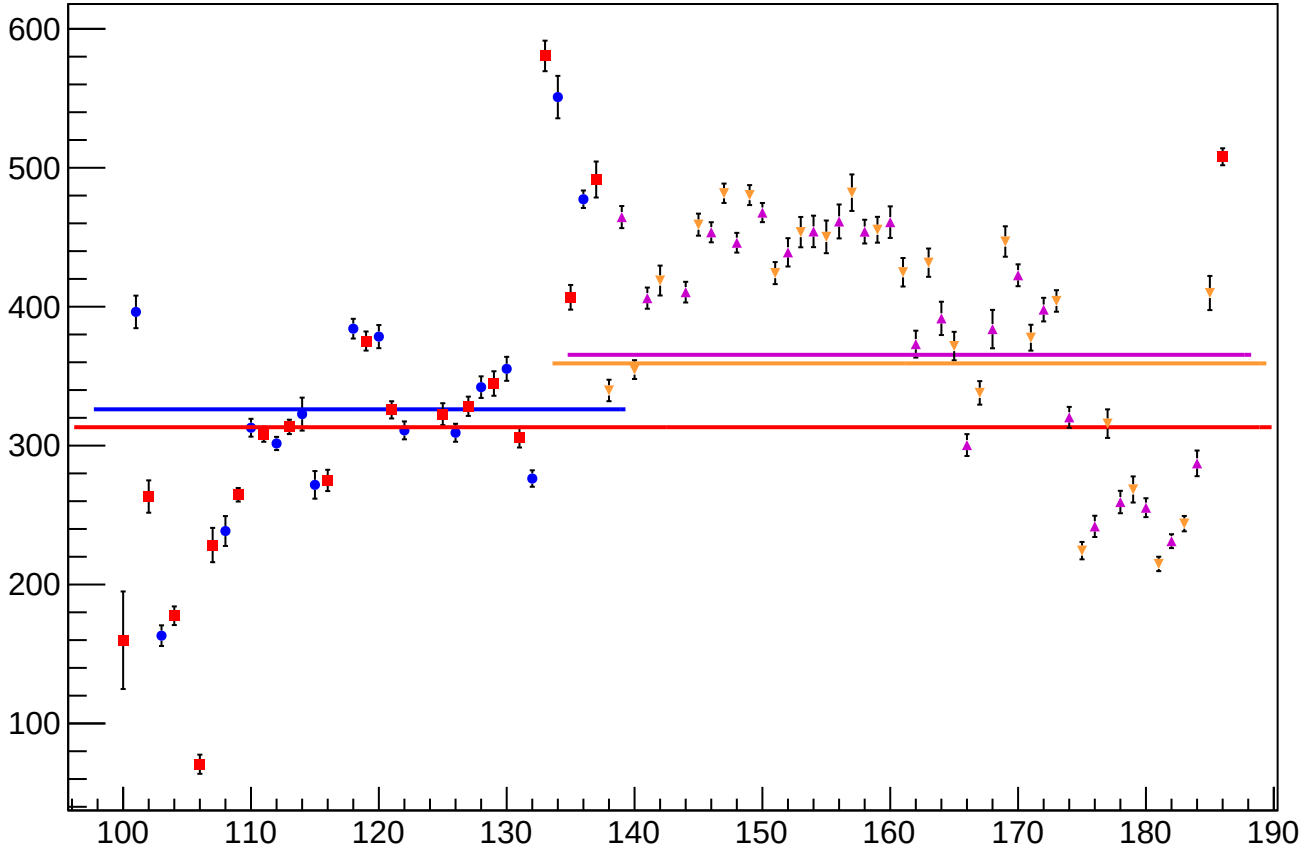
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -298.257+/-0.081 χ^2/NDF: 198374.5/39

All: -286.719+/-0.056 χ^2/NDF: 1137268.3/81

- 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: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

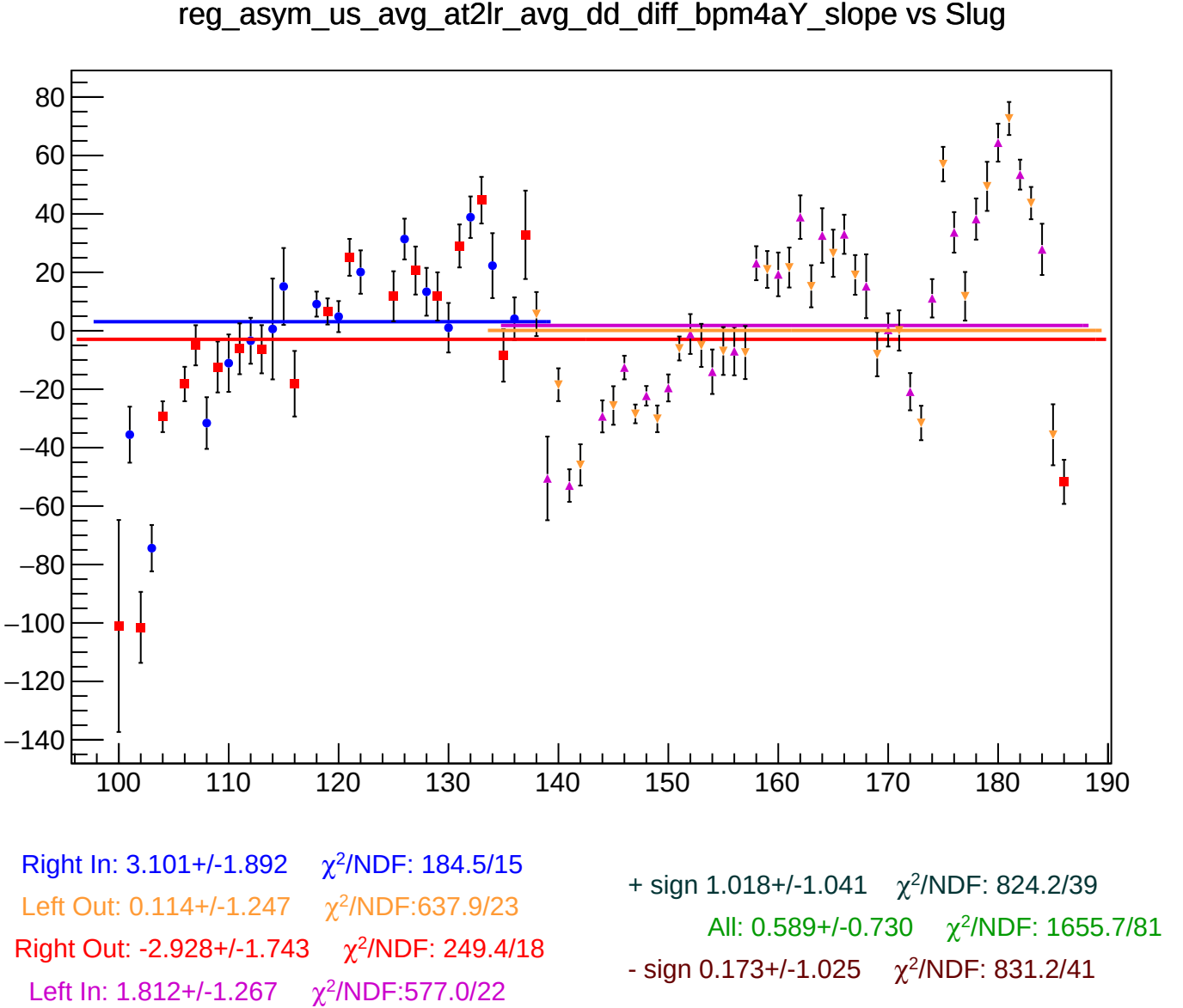
Right Out: 313.255+/-1.669 χ^2/NDF: 3874.4/18

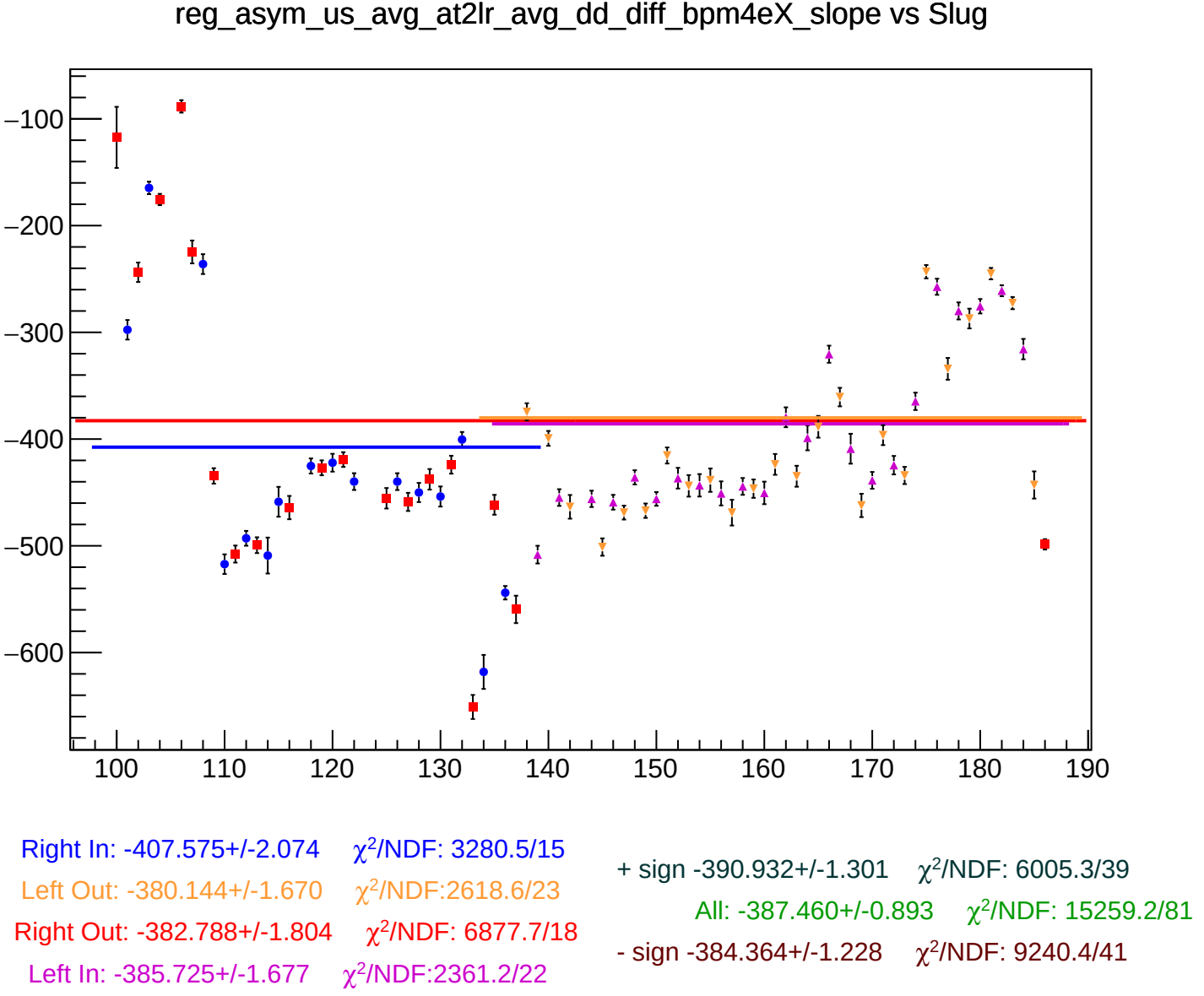
Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

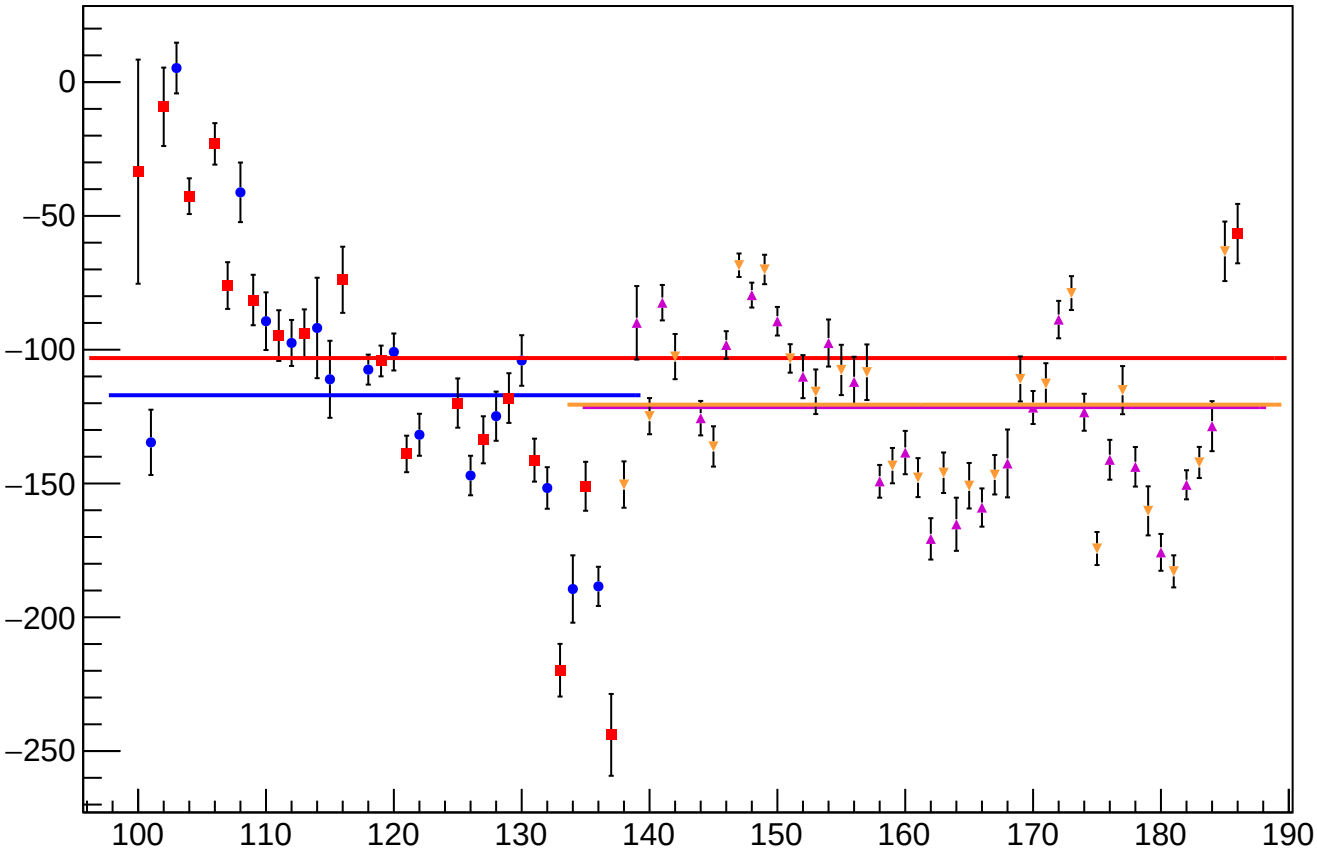
+ sign 344.297+/-1.246 χ^2/NDF: 5005.0/39

All: 341.490+/-0.860 χ^2/NDF: 12109.3/81

- 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: 3.101+/-1.892 χ²/NDF: 184.5/15
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 1.018+/-1.041 χ²/NDF: 824.2/39
All: 0.589+/-0.730 χ²/NDF: 1655.7/81
- 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: -407.575+/-2.074 χ²/NDF: 3280.5/15
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 -390.932+/-1.301 χ²/NDF: 6005.3/39
All: -387.460+/-0.893 χ²/NDF: 15259.2/81
- sign -384.364+/-1.228 χ²/NDF: 9240.4/41



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

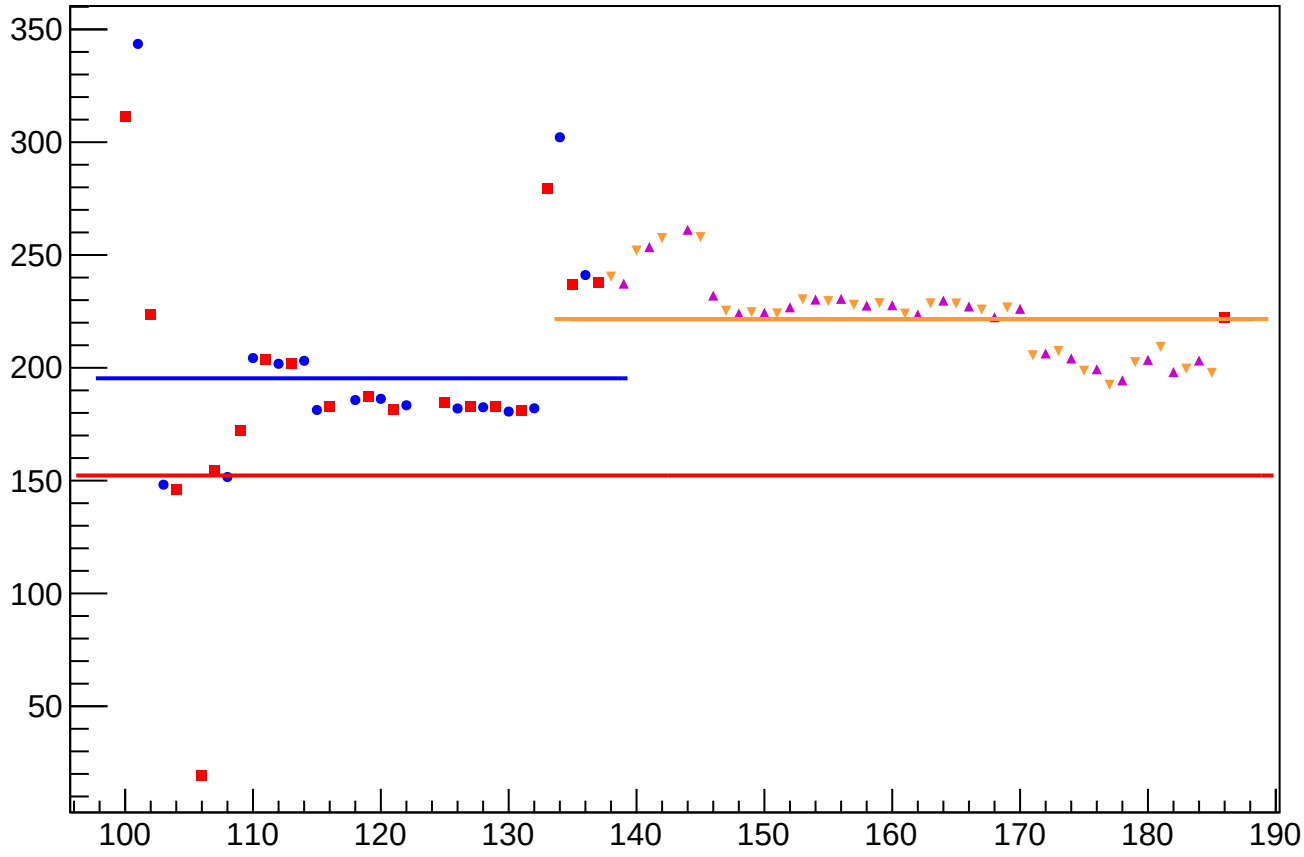
Right Out: -103.129+/-2.055 χ^2/NDF: 593.3/18

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -119.487+/-1.201 χ^2/NDF: 1021.1/39

All: -117.396+/-0.843 χ^2/NDF: 2106.1/81

- sign -115.363+/-1.185 χ^2/NDF: 1079.0/41



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

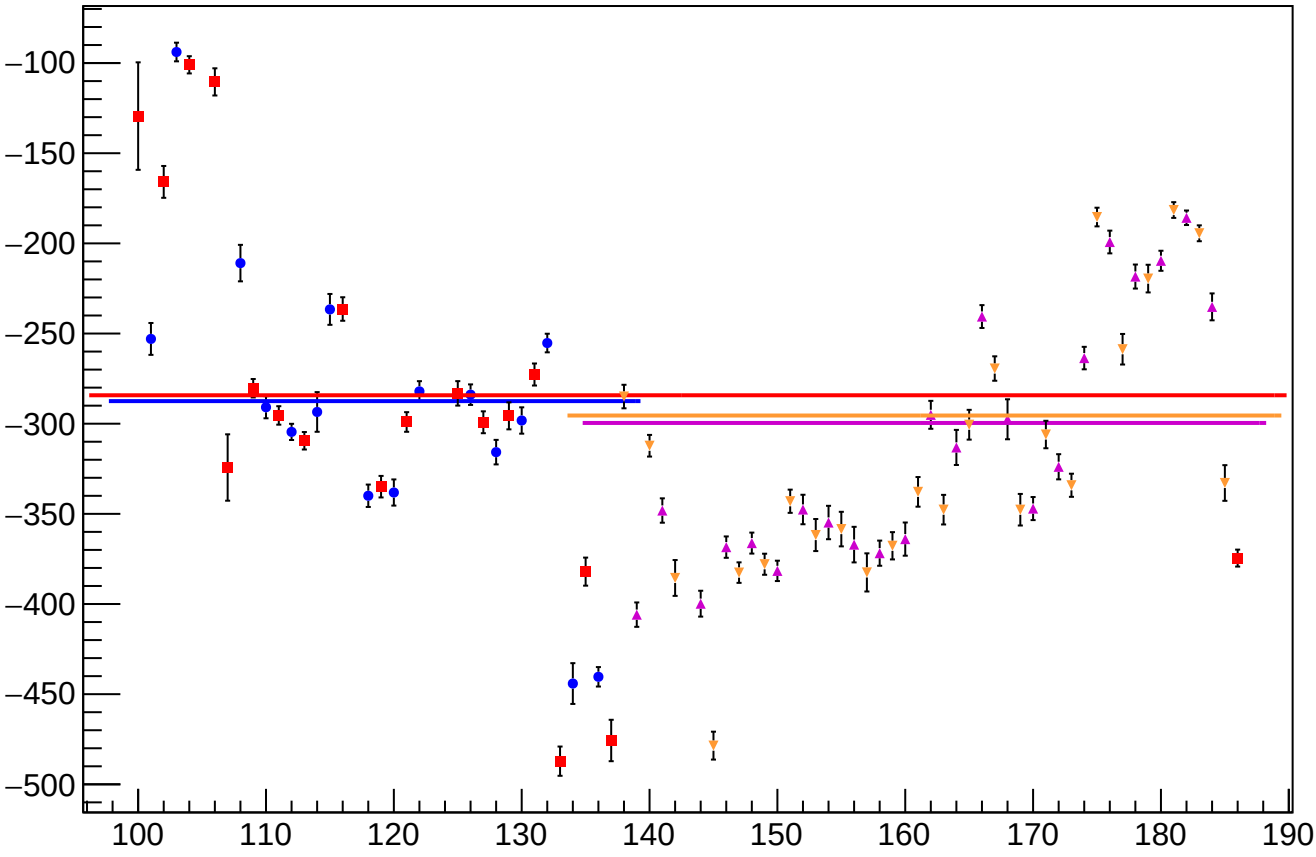
Right Out: 152.279+/-0.109 χ^2/NDF: 507172.7/18

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 215.799+/-0.059 χ^2/NDF: 278812.2/39

All: 209.120+/-0.041 χ^2/NDF: 1167695.2/81

- sign 202.928+/-0.057 χ^2/NDF: 864012.5/41



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

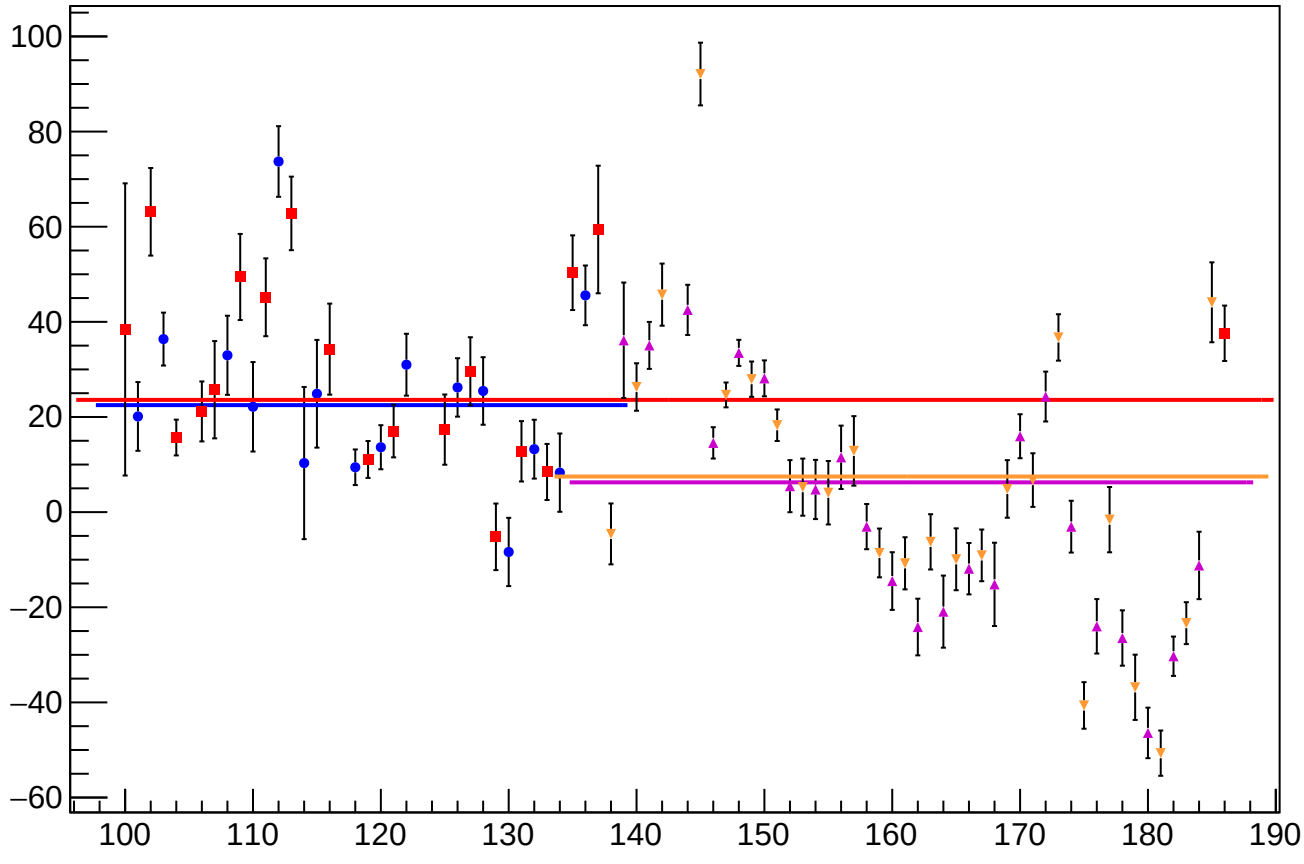
Right Out: -284.237+/-1.473 χ^2/NDF: 3821.9/18

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -292.048+/-1.054 χ^2/NDF: 6056.9/39

All: -292.190+/-0.731 χ^2/NDF: 12907.7/81

- sign -292.321+/-1.014 χ^2/NDF: 6850.8/41



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 23.598+/-1.516 χ^2/NDF: 129.5/18

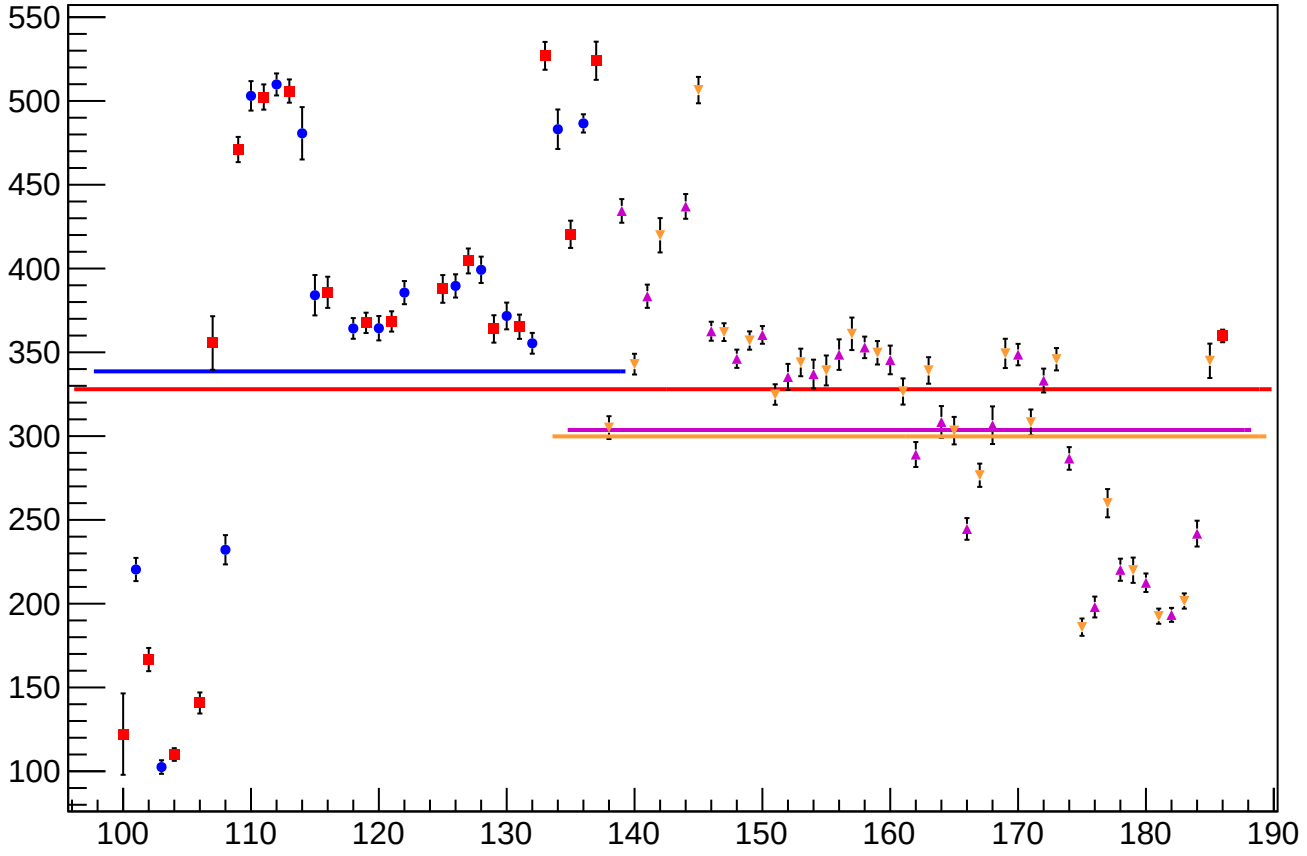
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

+ sign 11.800+/-0.869 χ^2/NDF: 911.0/39

All: 11.823+/-0.611 χ^2/NDF: 1688.7/81

- 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: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

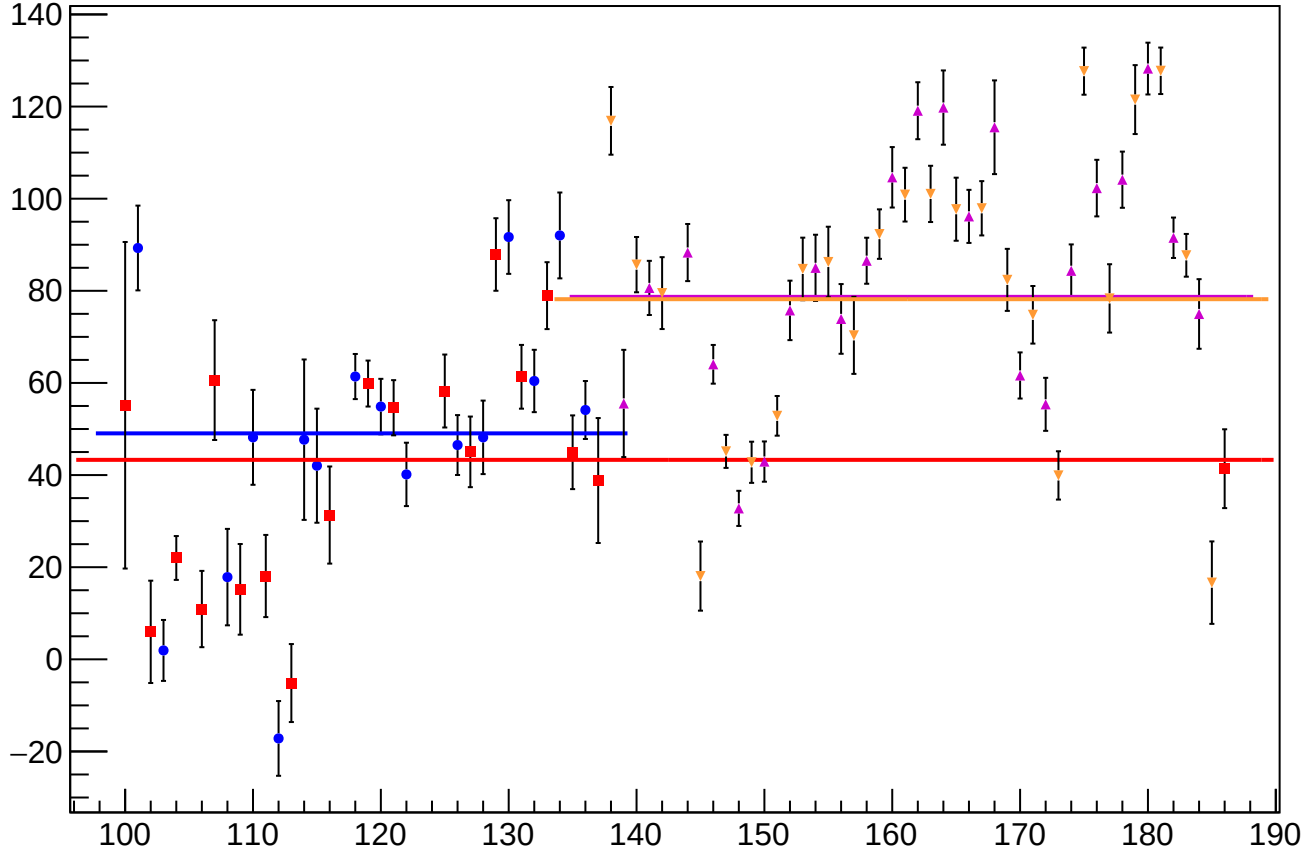
Right Out: 327.985+/-1.544 χ^2/NDF: 7807.3/18

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 314.736+/-1.084 χ^2/NDF: 9422.2/39

All: 314.602+/-0.747 χ^2/NDF: 20239.9/81

- sign 314.481+/-1.030 χ^2/NDF: 10817.7/41



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

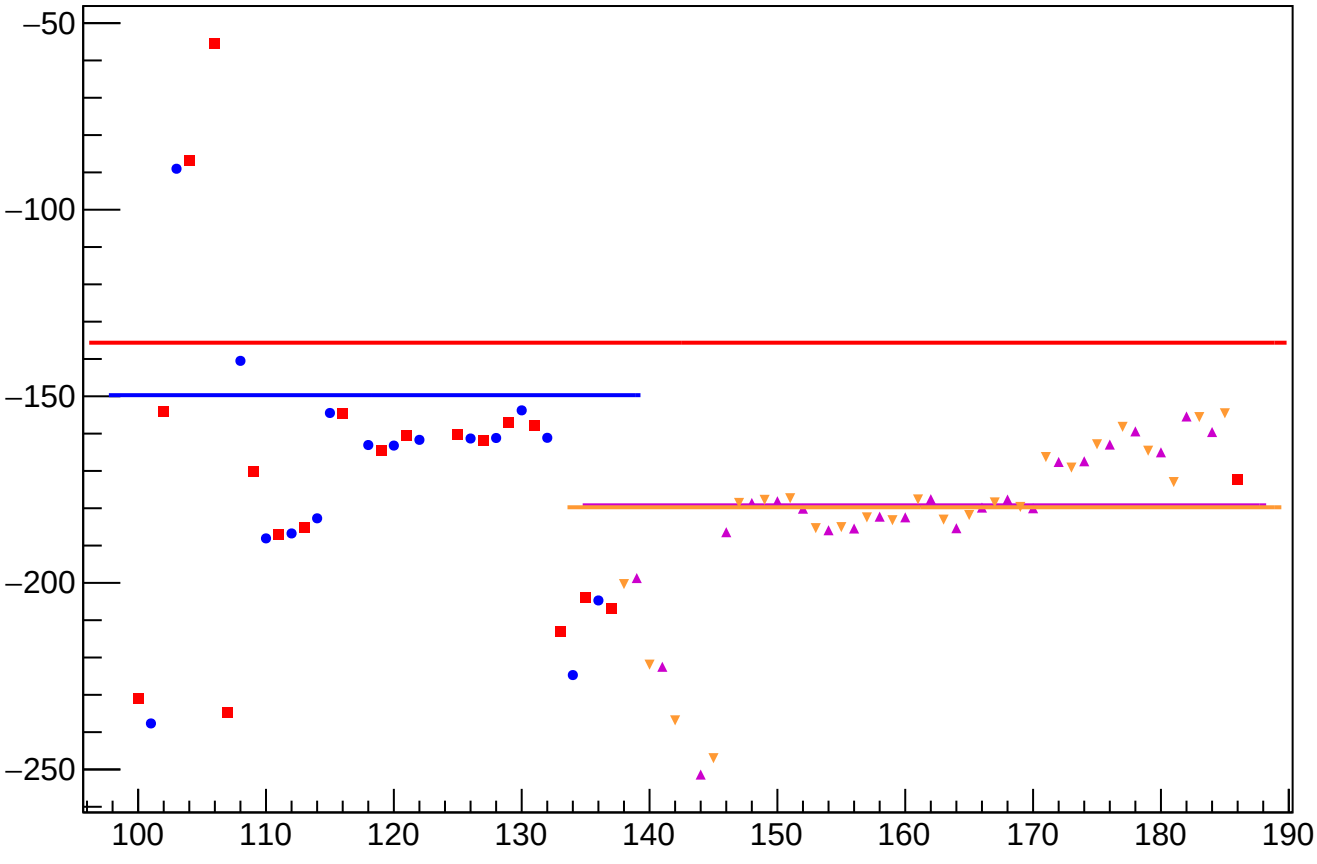
Right Out: 43.304+/-1.793 χ^2/NDF: 180.0/18

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 69.919+/-1.003 χ^2/NDF: 1042.8/39

All: 68.854+/-0.706 χ^2/NDF: 1983.4/81

- sign 67.808+/-0.994 χ^2/NDF: 938.3/41



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

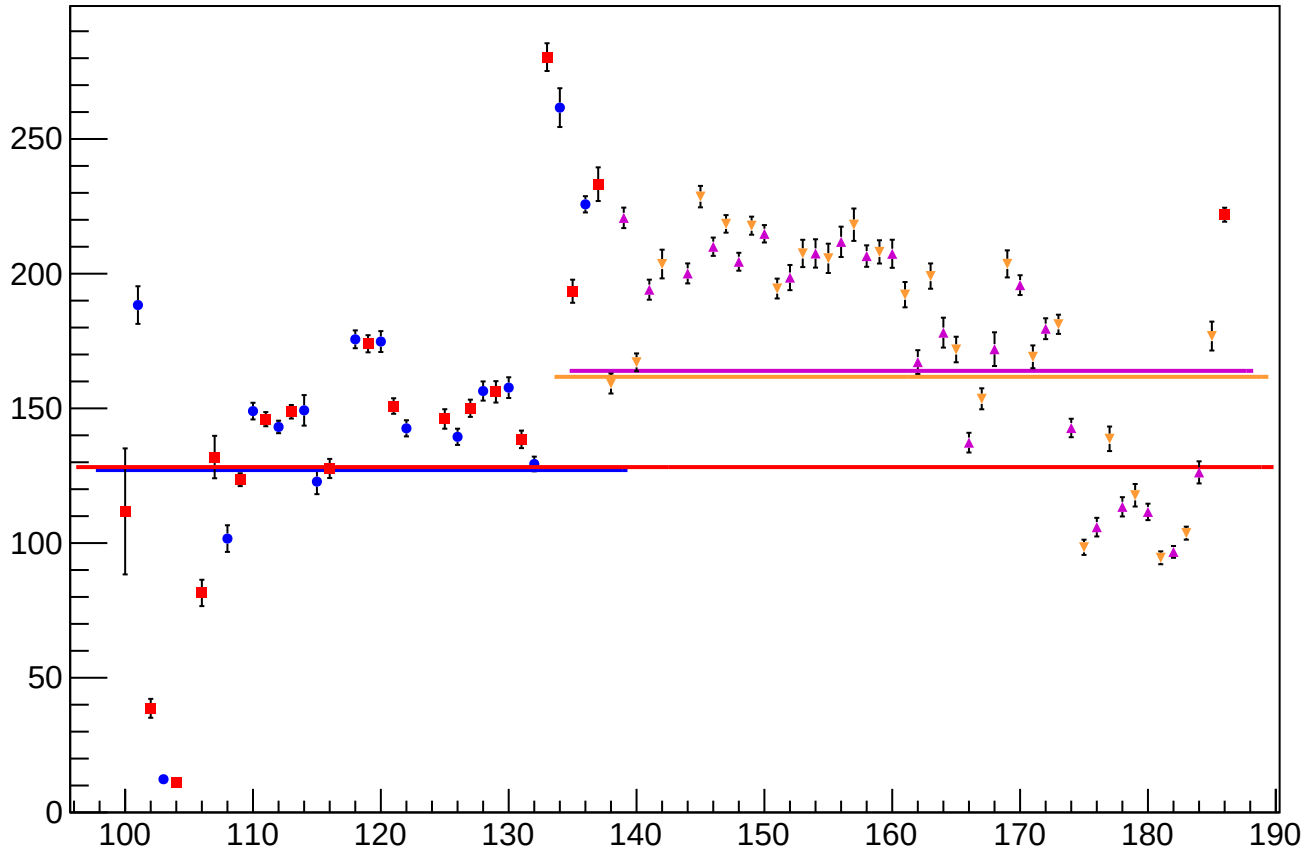
Right Out: -135.638+/-0.096 χ^2/NDF: 316335.3/18

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -172.849+/-0.048 χ^2/NDF: 457089.6/39

All: -170.664+/-0.034 χ^2/NDF: 1047299.0/81

- sign -168.559+/-0.047 χ^2/NDF: 586187.8/41



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

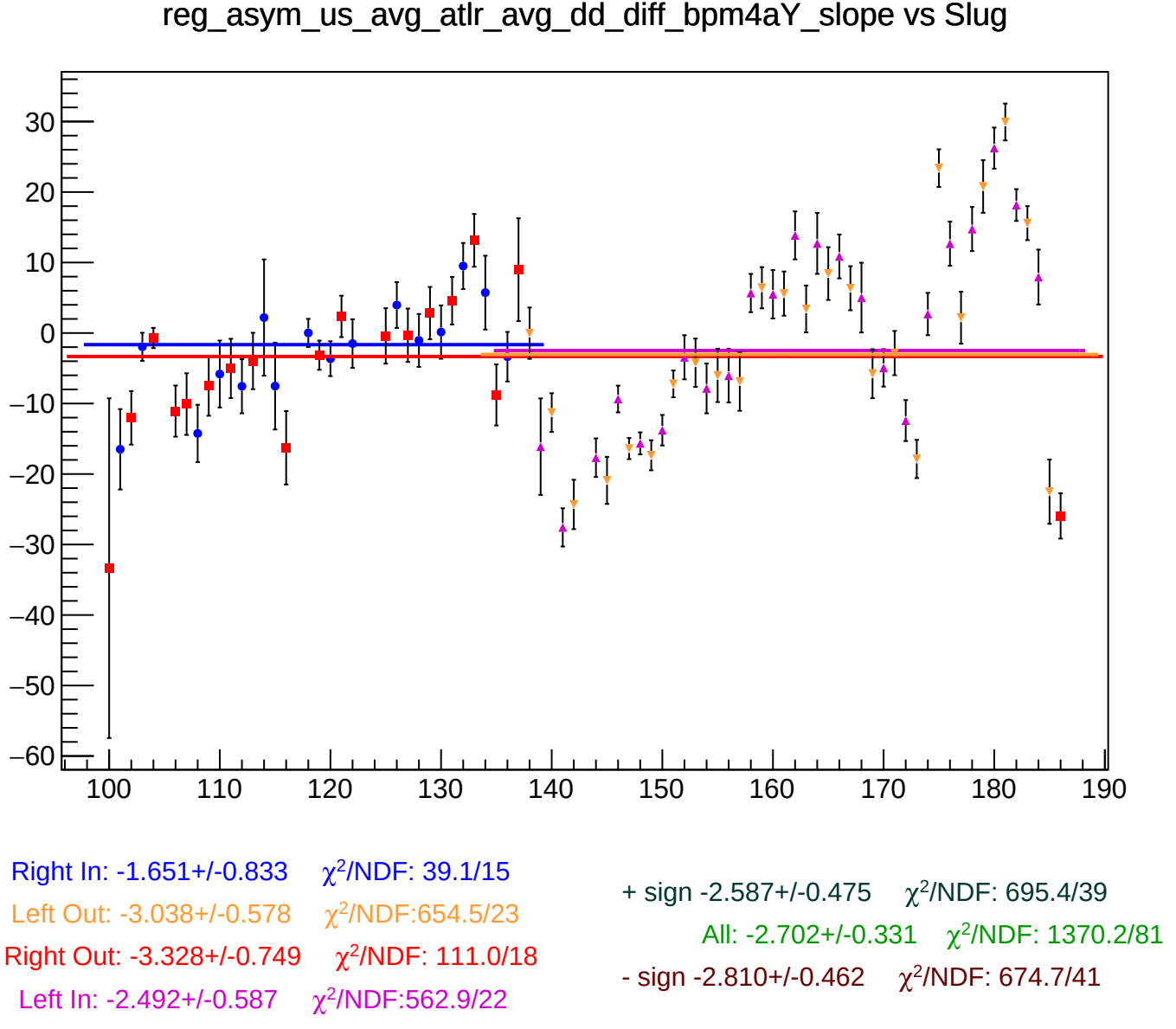
Right Out: 128.205+/-0.742 χ^2/NDF: 8065.3/18

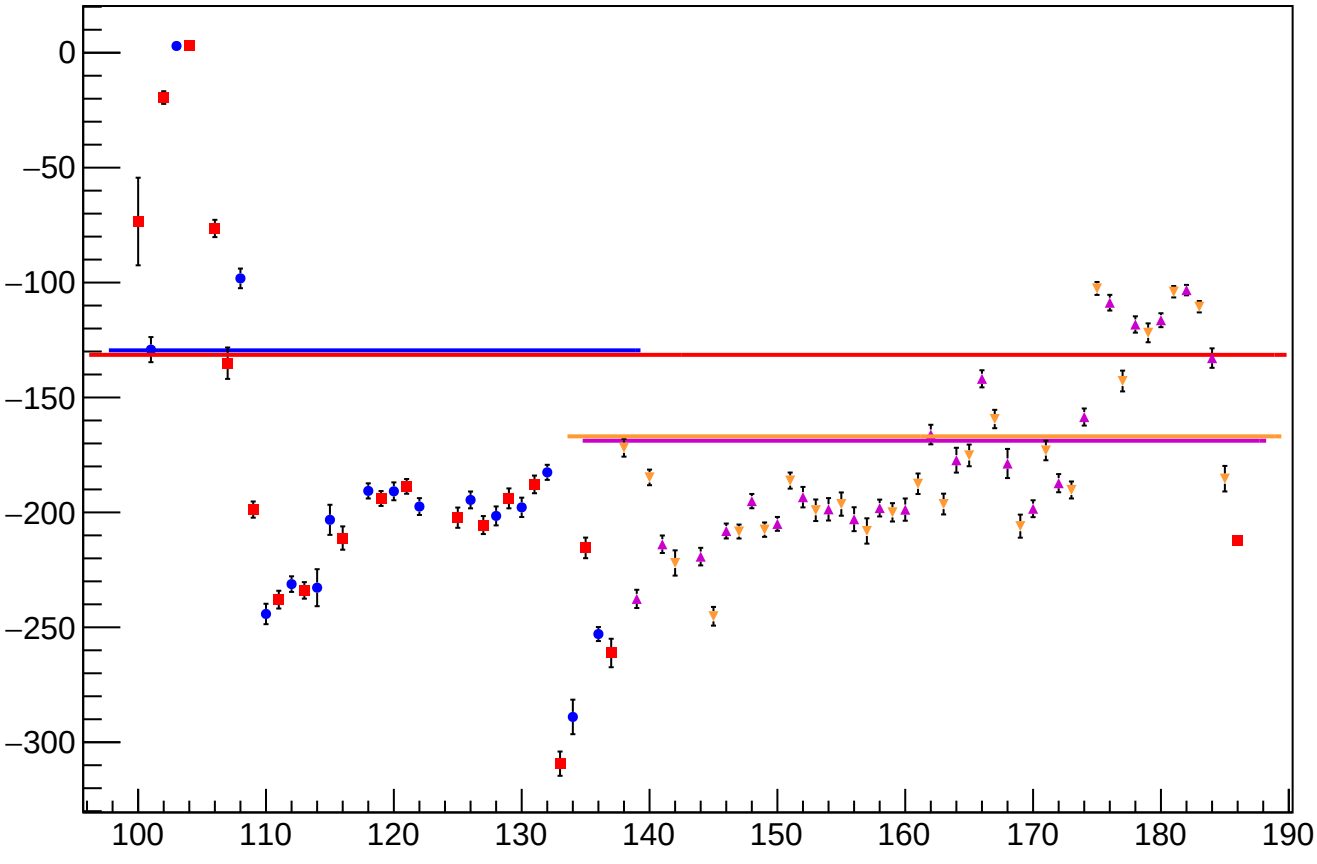
Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

\+ sign 145.158+/-0.561 χ^2/NDF: 10701.2/39

All: 145.175+/-0.388 χ^2/NDF: 23204.1/81

\- sign 145.191+/-0.537 χ^2/NDF: 12503.0/41


reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
170
180
190
Right In: -1.651+/-0.833 χ²/NDF: 39.1/15
Left Out: -3.038+/-0.578 χ²/NDF:654.5/23
Right Out: -3.328+/-0.749 χ²/NDF: 111.0/18
Left In: -2.492+/-0.587 χ²/NDF:562.9/22
+ sign -2.587+/-0.475 χ²/NDF: 695.4/39
All: -2.702+/-0.331 χ²/NDF: 1370.2/81
- sign -2.810+/-0.462 χ²/NDF: 674.7/41



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

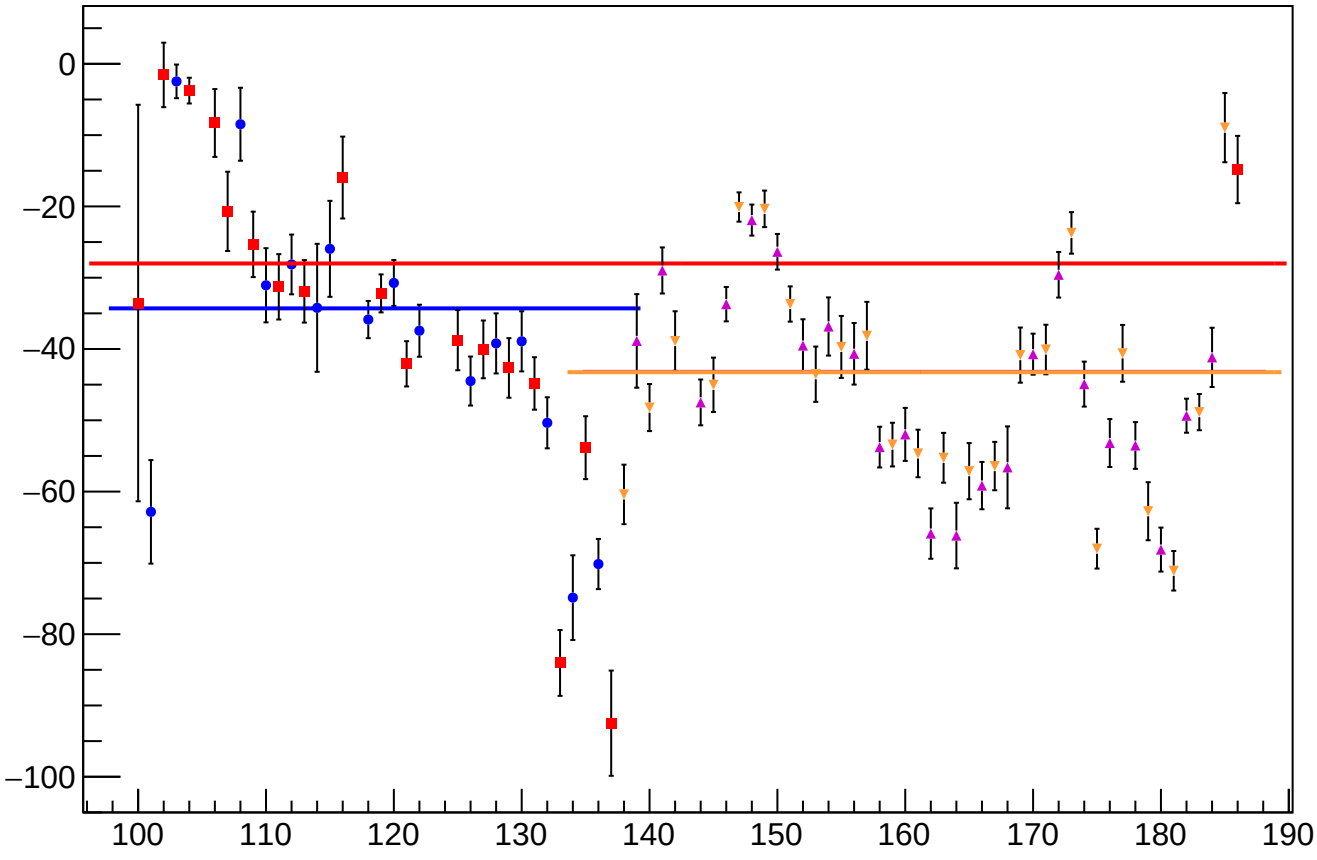
Right Out: -131.448+/-0.757 χ^2/NDF: 17929.0/18

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -149.948+/-0.570 χ^2/NDF: 18852.2/39

All: -149.840+/-0.392 χ^2/NDF: 41034.8/81

- sign -149.743+/-0.541 χ^2/NDF: 22182.5/41



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

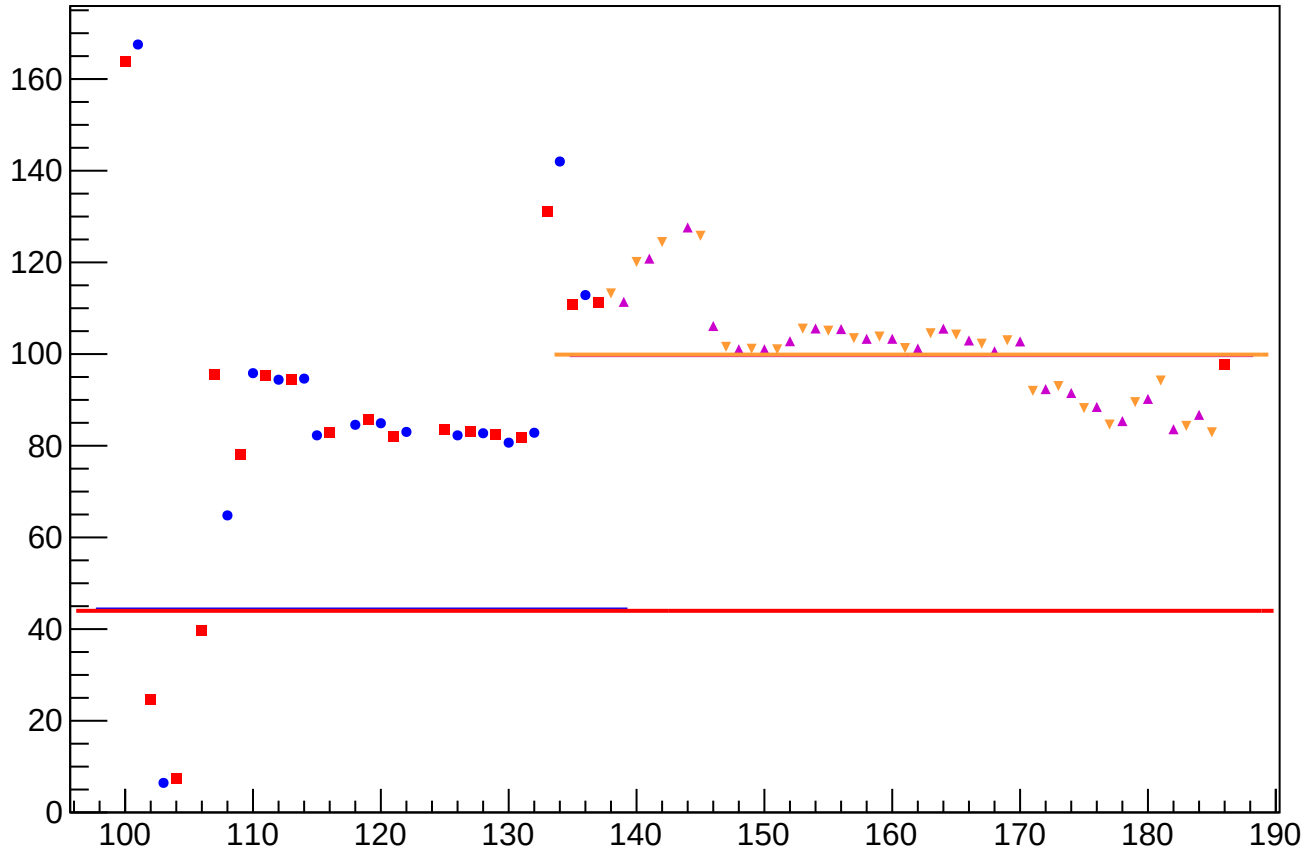
Right Out: -28.002+/-0.891 χ^2/NDF: 576.1/18

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -40.386+/-0.548 χ^2/NDF: 1079.6/39

All: -39.019+/-0.383 χ^2/NDF: 2259.8/81

- sign -37.712+/-0.535 χ^2/NDF: 1168.1/41



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

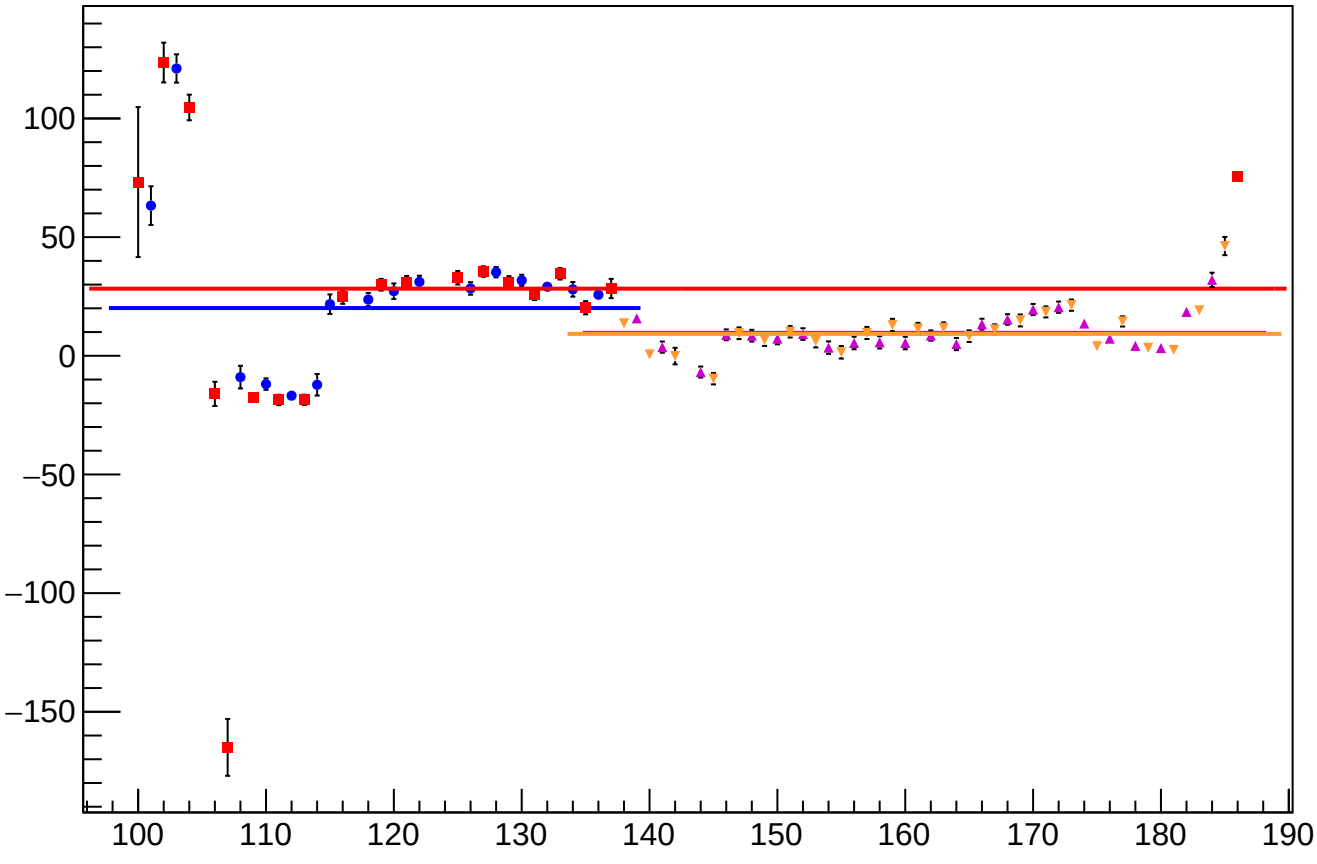
Right Out: 43.989+/-0.045 χ^2/NDF: 830874.8/18

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 82.135+/-0.025 χ^2/NDF: 2251072.8/39

All: 82.055+/-0.018 χ^2/NDF: 4258719.8/81

- sign 81.976+/-0.025 χ^2/NDF: 2007627.2/41



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

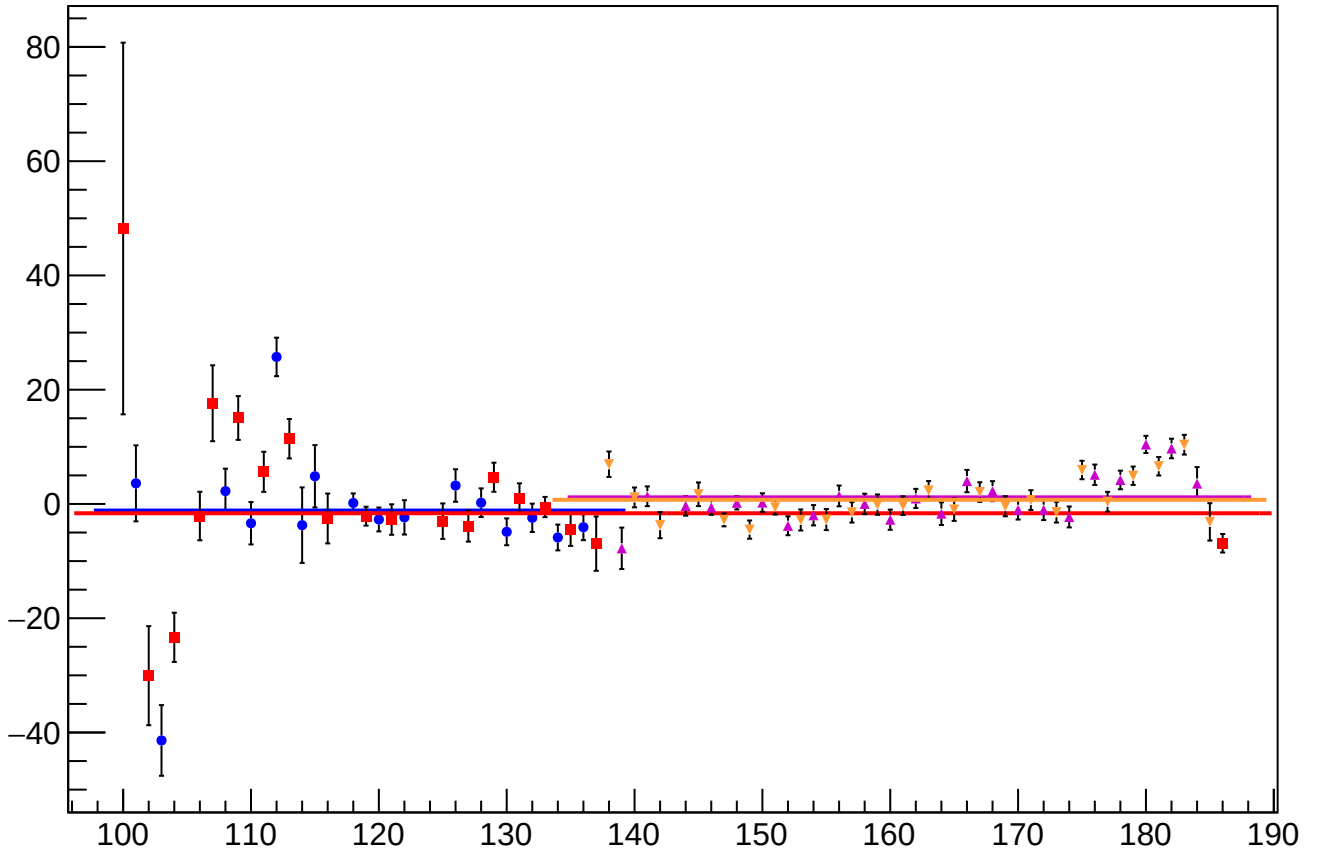
Right Out: 28.299+/-0.606 χ^2/NDF: 3393.1/18

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

\+ sign 12.562+/-0.380 χ^2/NDF: 1549.9/39

All: 14.612+/-0.264 χ^2/NDF: 5842.9/81

\- sign 16.529+/-0.368 χ^2/NDF: 4236.8/41



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

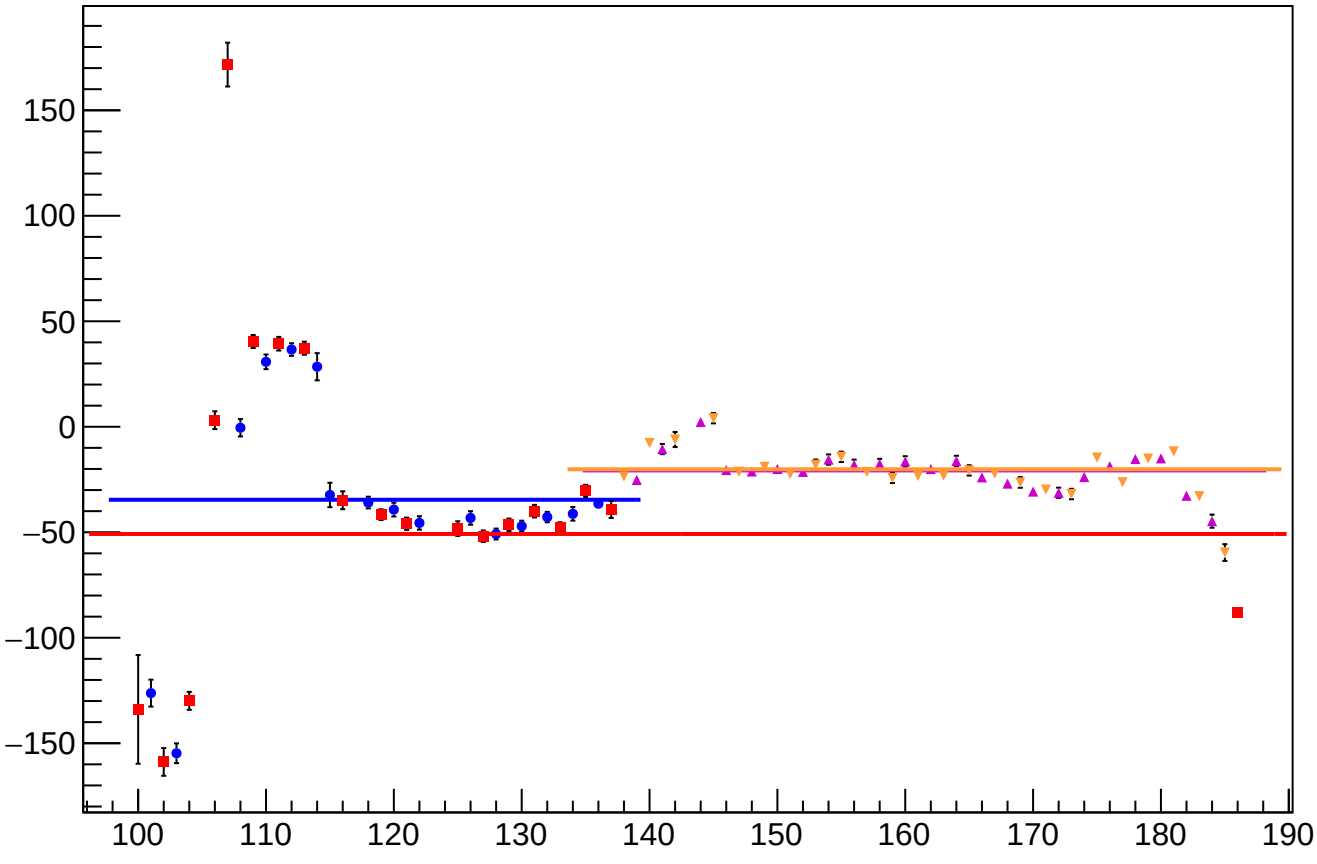
Right Out: -1.627+/-0.653 χ^2/NDF: 105.8/18

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign 0.354+/-0.313 χ^2/NDF: 237.3/39

All: 0.434+/-0.221 χ^2/NDF: 467.7/81

\- sign 0.515+/-0.314 χ^2/NDF: 230.2/41



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

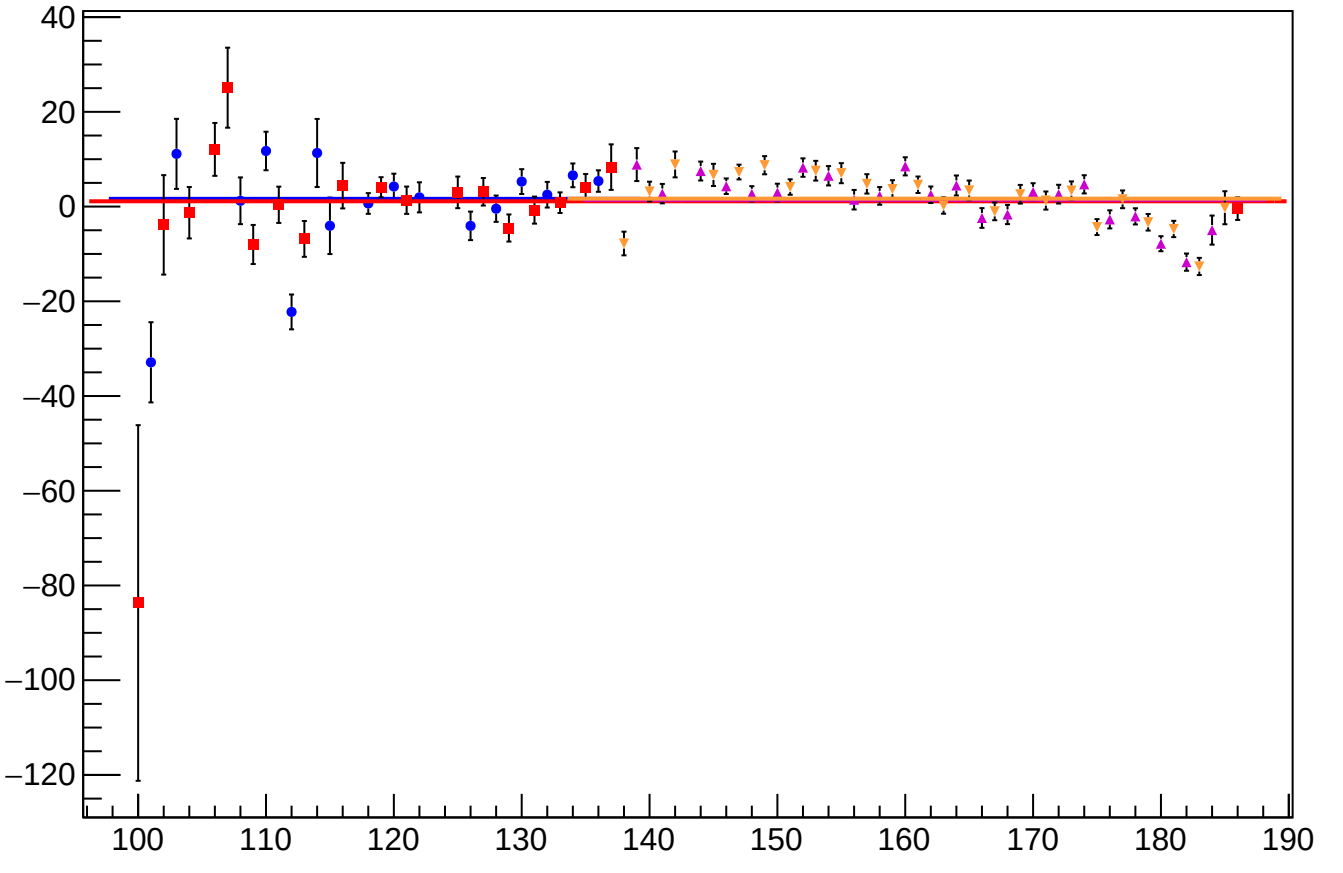
Right Out: -50.810+/-0.637 χ^2/NDF: 5065.5/18

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -23.745+/-0.392 χ^2/NDF: 2732.4/39

All: -27.532+/-0.270 χ^2/NDF: 9760.3/81

\- sign -30.935+/-0.372 χ^2/NDF: 6850.9/41



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

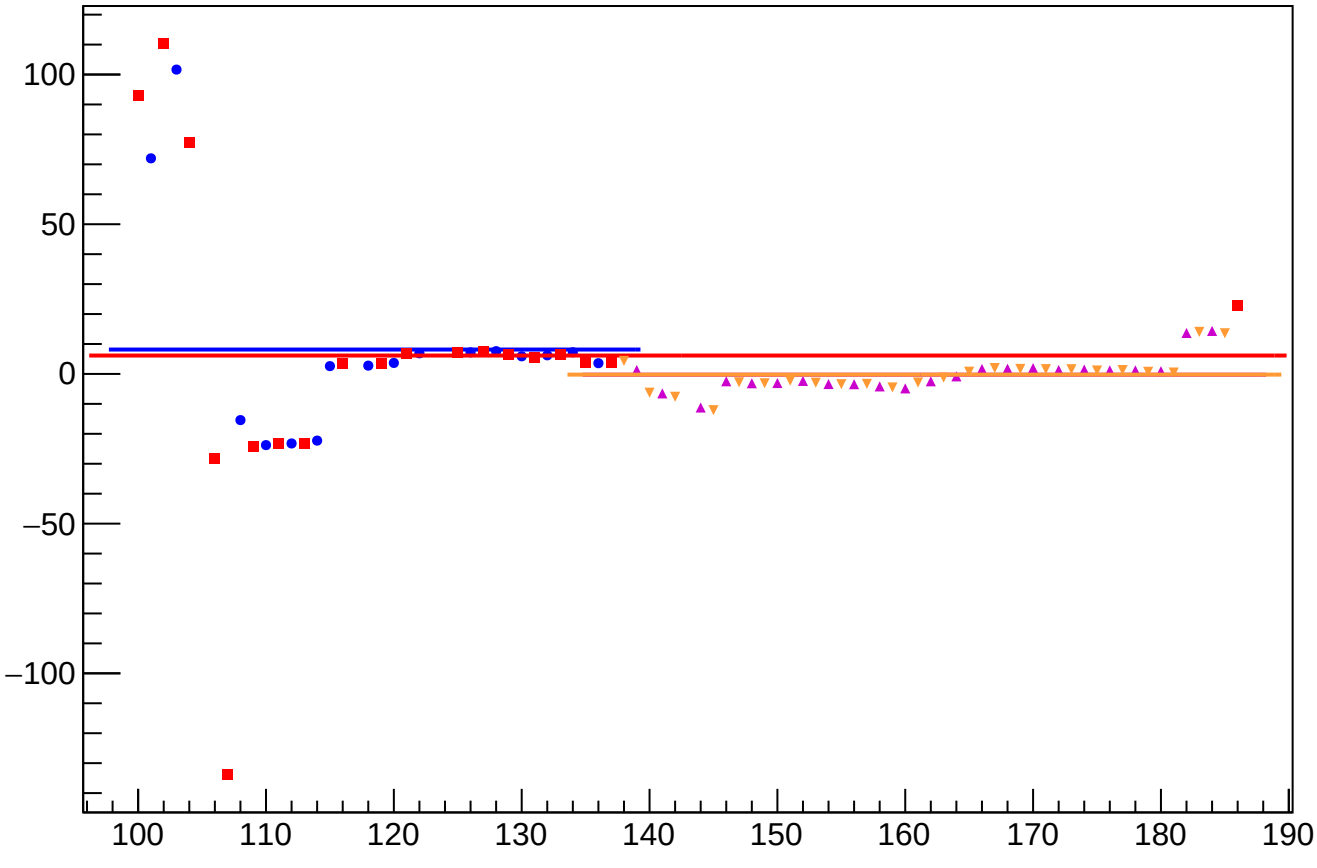
Right Out: 1.116+/-0.772 χ^2/NDF: 38.0/18

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.663+/-0.354 χ^2/NDF: 261.3/39

All: 1.513+/-0.251 χ^2/NDF: 462.5/81

- sign 1.361+/-0.357 χ^2/NDF: 200.9/41



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

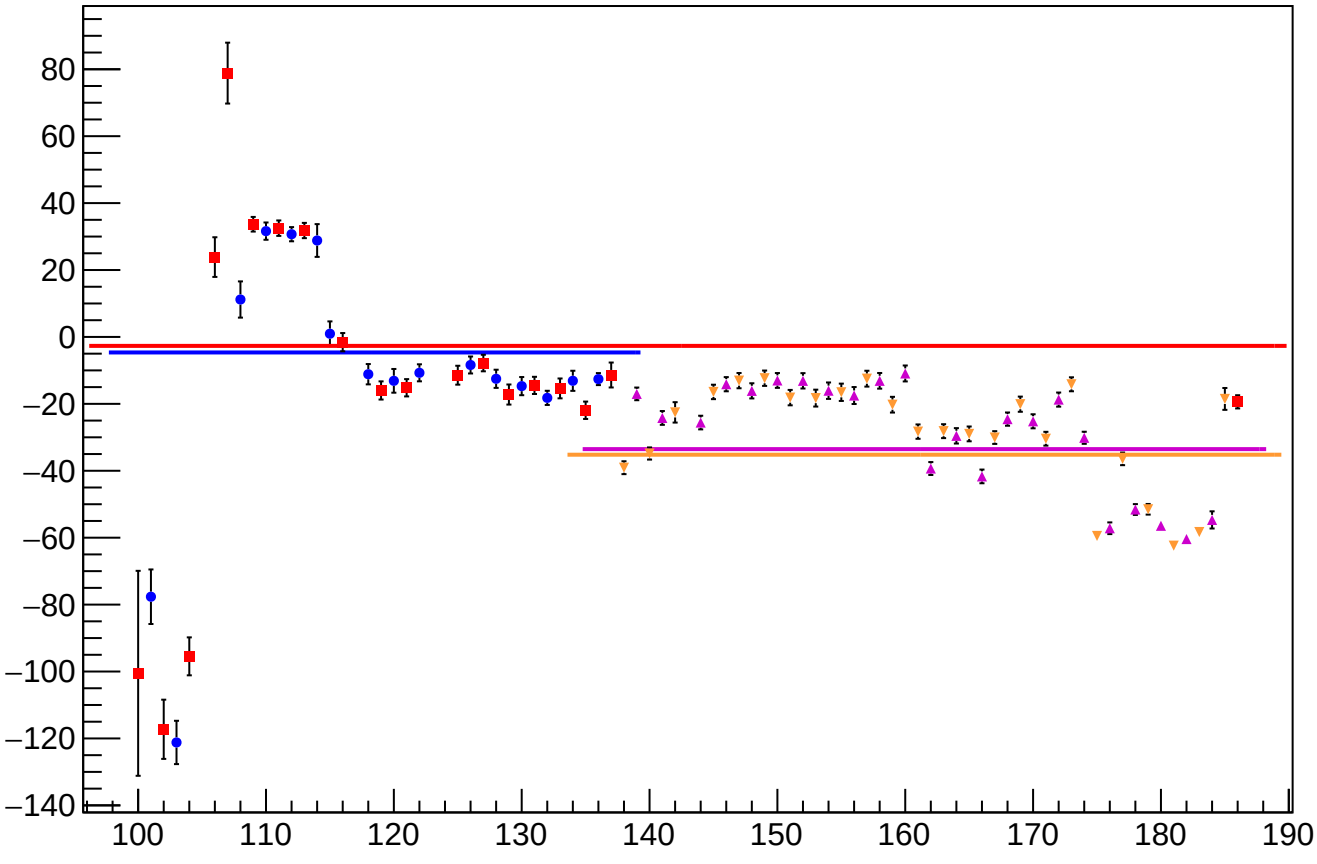
Right Out: 6.143+/-0.049 χ^2/NDF: 456974.2/18

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

\+ sign 0.754+/-0.017 χ^2/NDF: 420785.1/39

All: 0.608+/-0.012 χ^2/NDF: 965579.2/81

\- sign 0.460+/-0.017 χ^2/NDF: 544638.1/41



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

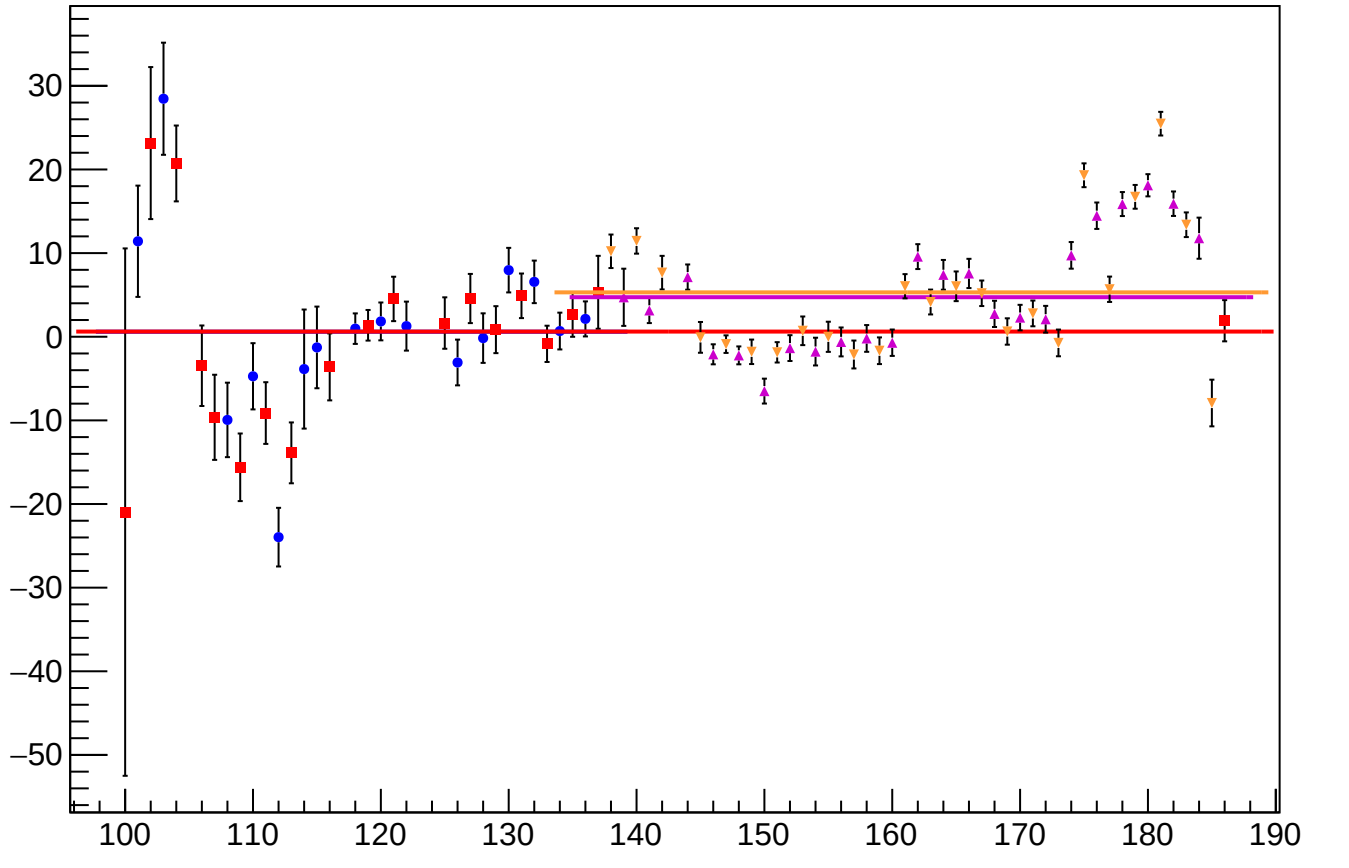
Right Out: -2.673+/-0.669 χ^2/NDF: 1538.9/18

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -27.635+/-0.354 χ^2/NDF: 4285.0/39

All: -26.304+/-0.250 χ^2/NDF: 9197.4/81

- sign -24.990+/-0.352 χ^2/NDF: 4884.4/41



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

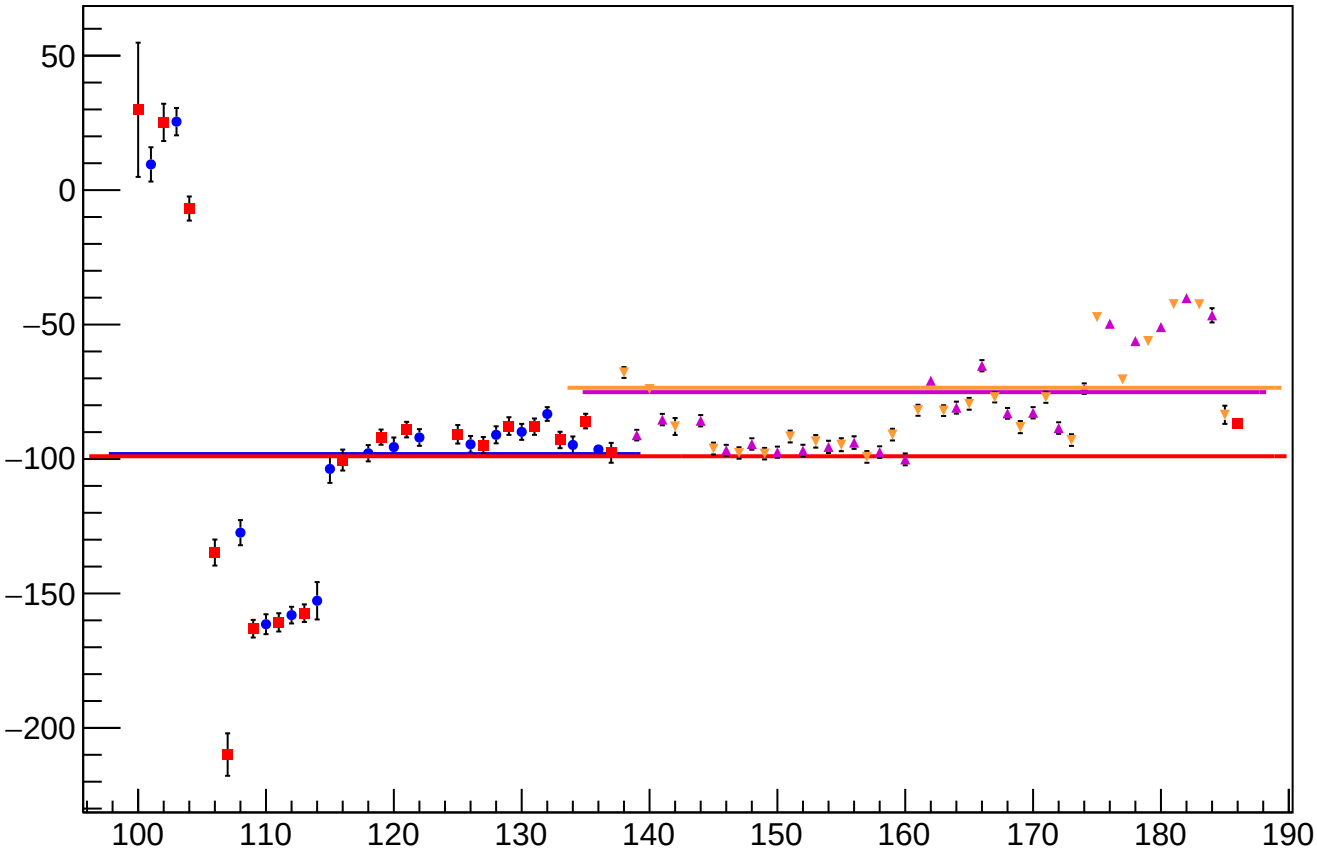
Right Out: 0.618+/-0.722 χ^2/NDF: 80.5/18

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.563+/-0.289 χ^2/NDF: 752.5/39

All: 4.310+/-0.206 χ^2/NDF: 1357.6/81

- sign 4.048+/-0.293 χ^2/NDF: 603.5/41



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

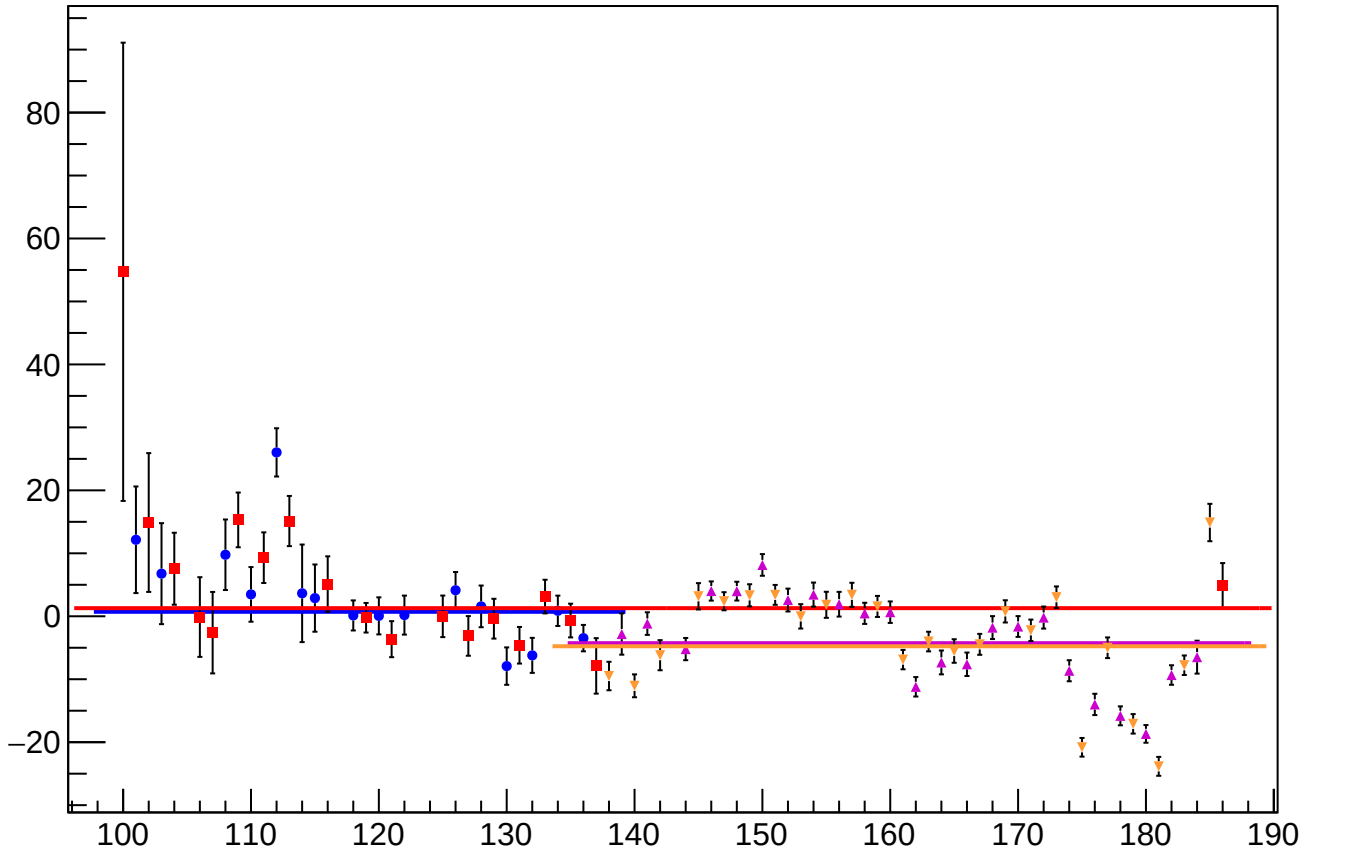
Right Out: -98.973+/-0.740 χ^2/NDF: 2192.0/18

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

\+ sign -78.418+/-0.363 χ^2/NDF: 4829.3/39

All: -79.589+/-0.255 χ^2/NDF: 10198.1/81

\- sign -80.734+/-0.359 χ^2/NDF: 5348.2/41



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

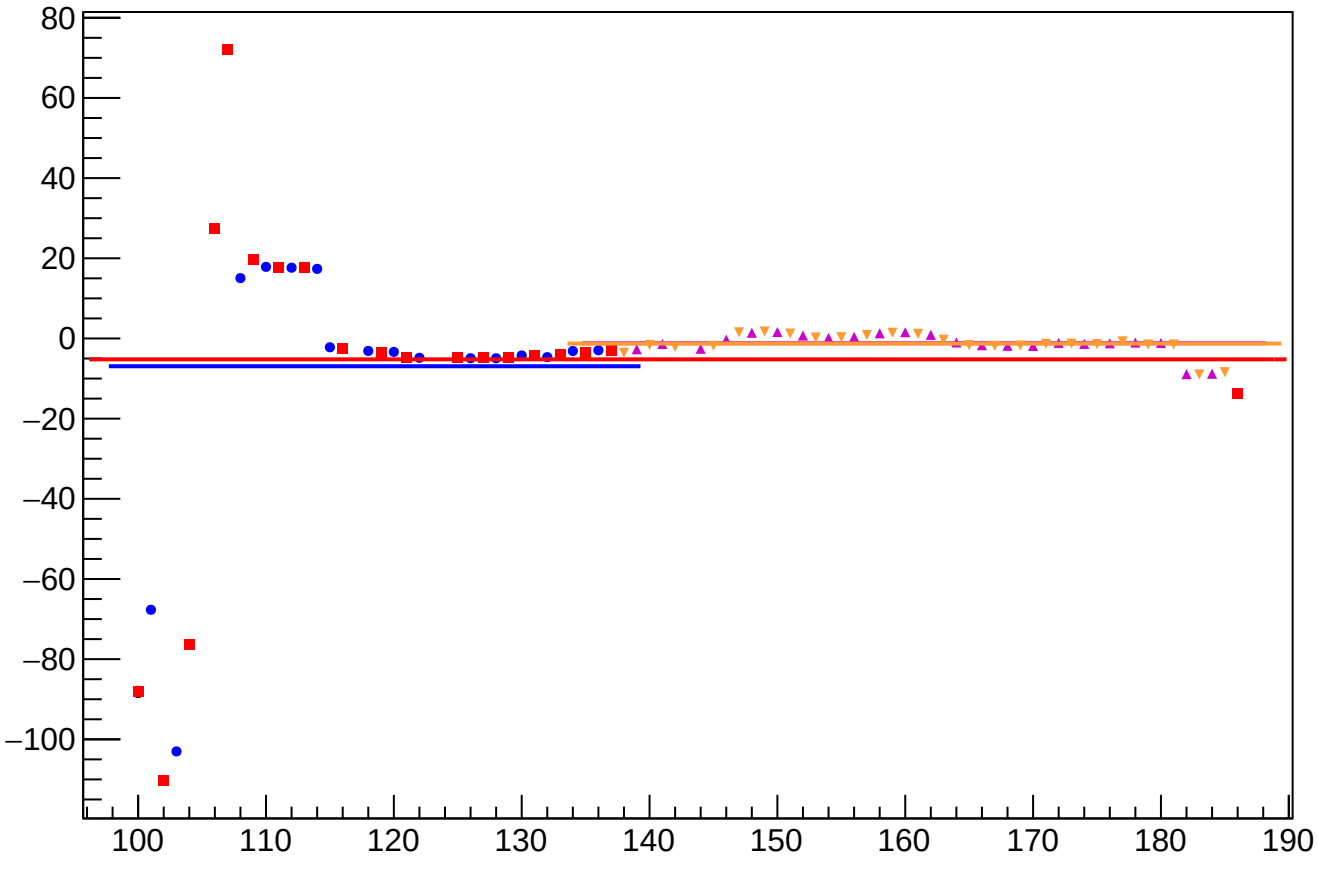
Right Out: 1.288+/-0.833 χ^2/NDF: 48.7/18

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

+ sign -3.901+/-0.326 χ^2/NDF: 684.0/39

All: -3.654+/-0.232 χ^2/NDF: 1195.5/81

- sign -3.399+/-0.331 χ^2/NDF: 510.4/41



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

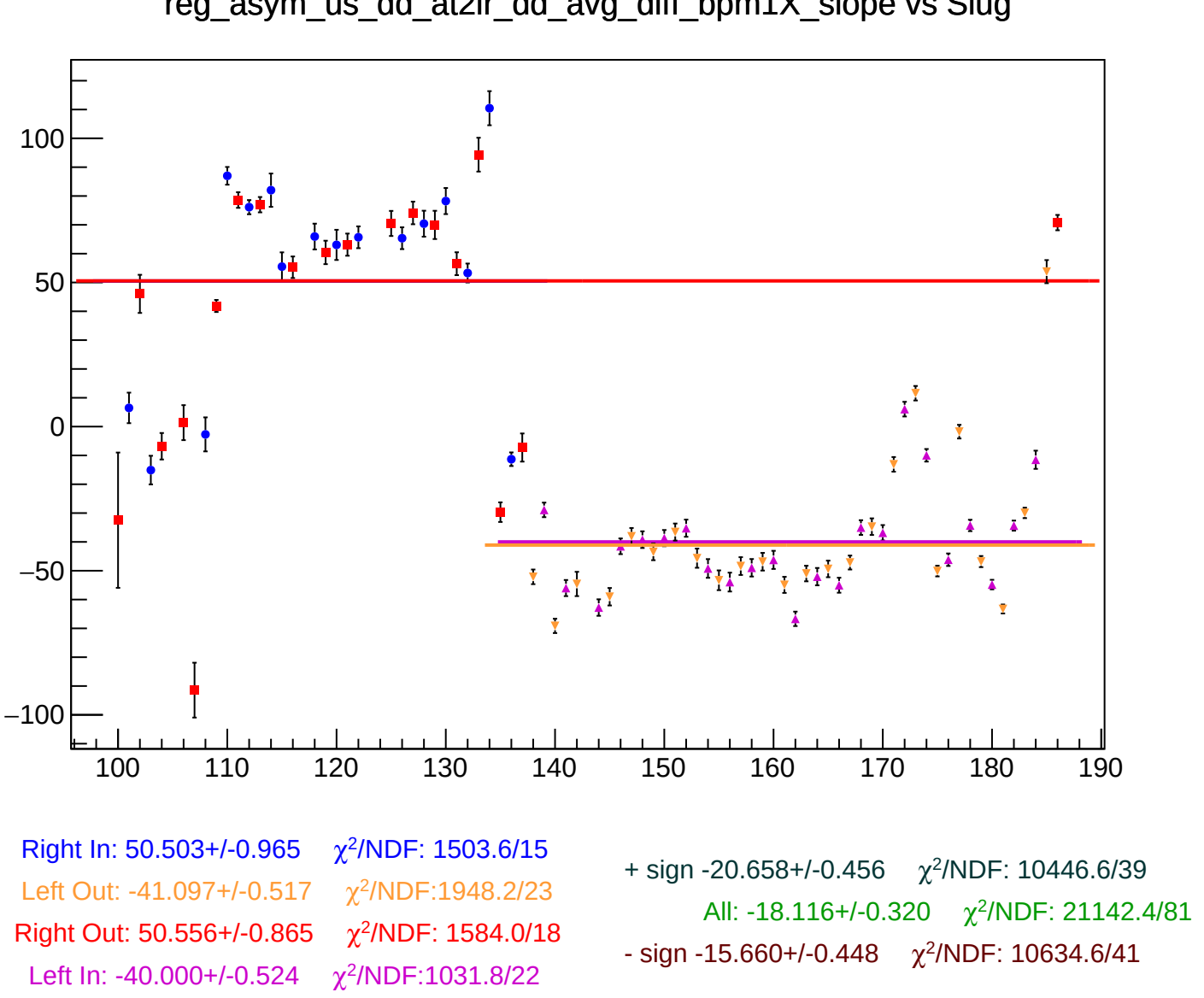
Right Out: -5.208+/-0.052 χ^2/NDF: 340575.1/18

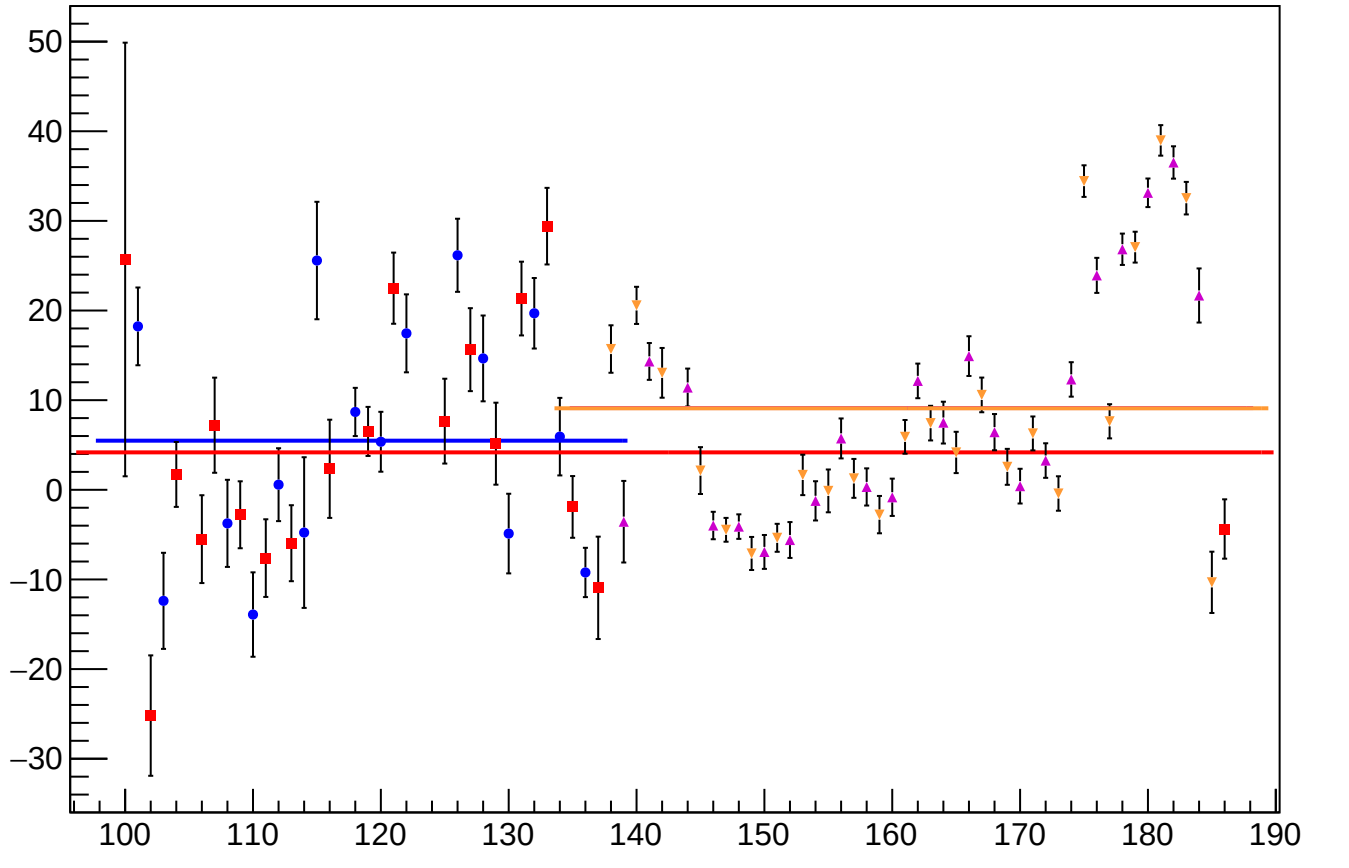
Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -1.814+/-0.015 χ^2/NDF: 302567.0/39

All: -1.674+/-0.011 χ^2/NDF: 673613.1/81

- sign -1.531+/-0.015 χ^2/NDF: 370872.0/41


reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
190
Right In: 50.503+/-0.965 χ²/NDF: 1503.6/15
Left Out: -41.097+/-0.517 χ²/NDF:1948.2/23
Right Out: 50.556+/-0.865 χ²/NDF: 1584.0/18
Left In: -40.000+/-0.524 χ²/NDF:1031.8/22
+ sign -20.658+/-0.456 χ²/NDF: 10446.6/39
All: -18.116+/-0.320 χ²/NDF: 21142.4/81
- sign -15.660+/-0.448 χ²/NDF: 10634.6/41



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

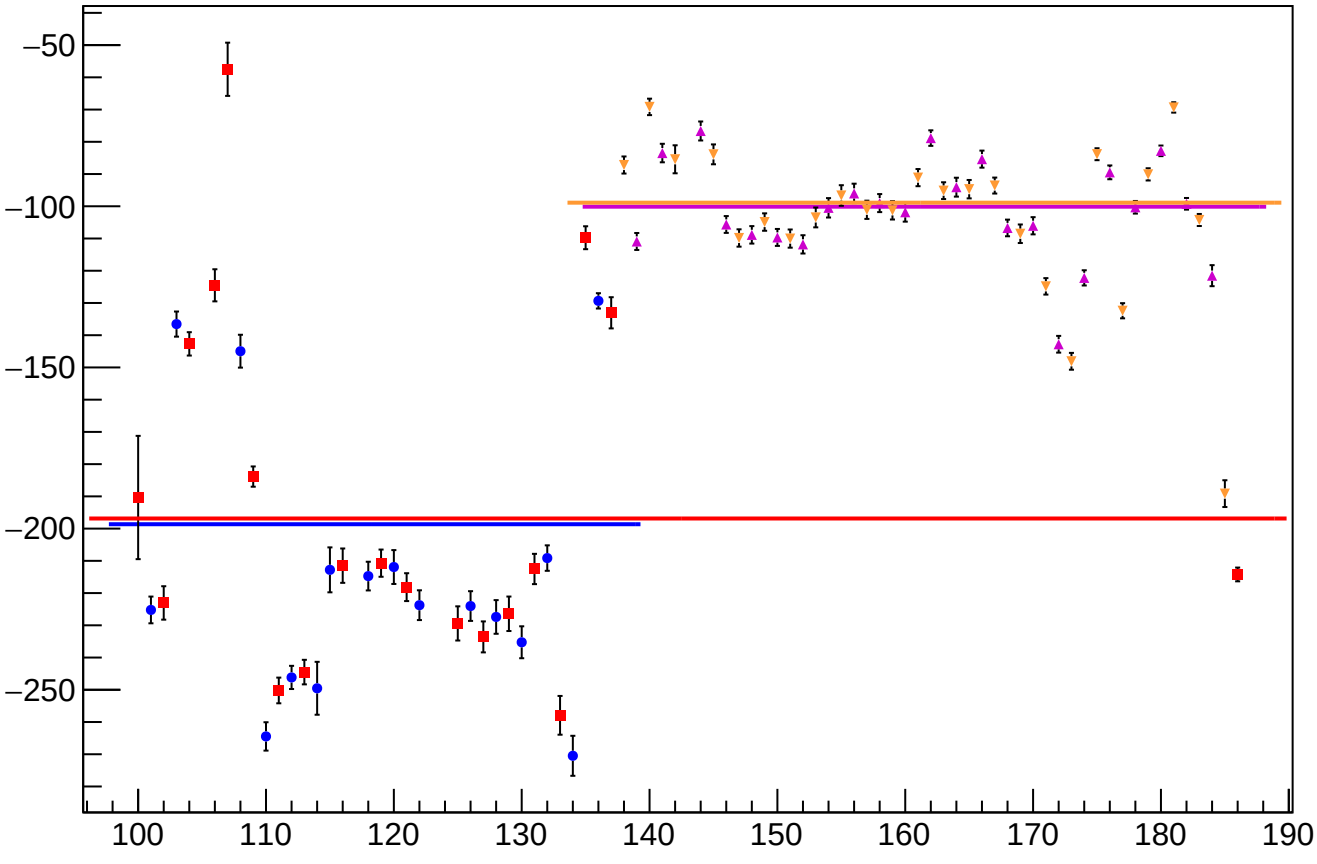
Right Out: 4.176+/-0.977 χ^2/NDF: 139.1/18

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 8.611+/-0.373 χ^2/NDF: 1402.7/39

All: 8.498+/-0.265 χ^2/NDF: 2615.6/81

- sign 8.384+/-0.377 χ^2/NDF: 1212.7/41



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

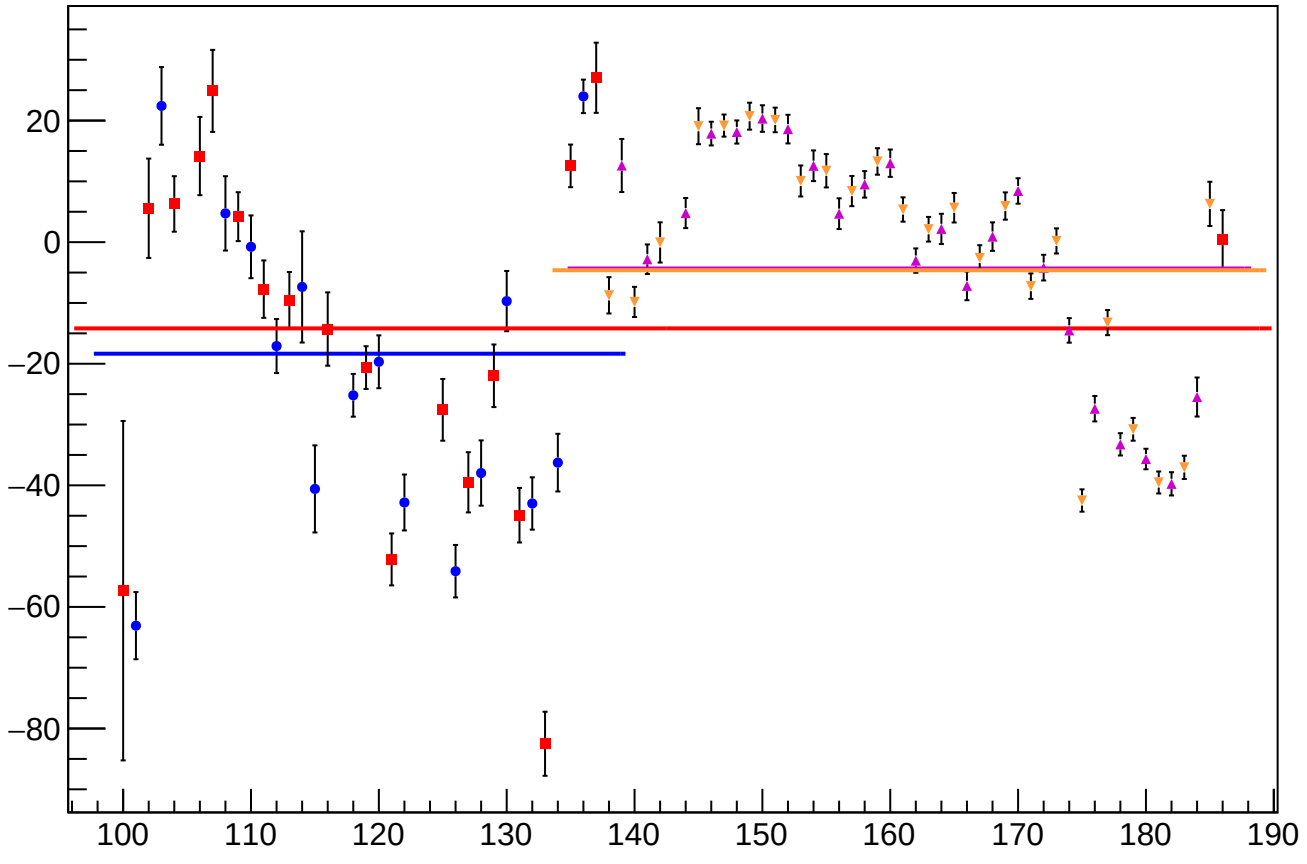
Right Out: -196.864+/-0.964 χ^2/NDF: 2222.0/18

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -117.220+/-0.464 χ^2/NDF: 10746.9/39

All: -119.621+/-0.326 χ^2/NDF: 21650.1/81

- sign -121.951+/-0.458 χ^2/NDF: 10850.6/41



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

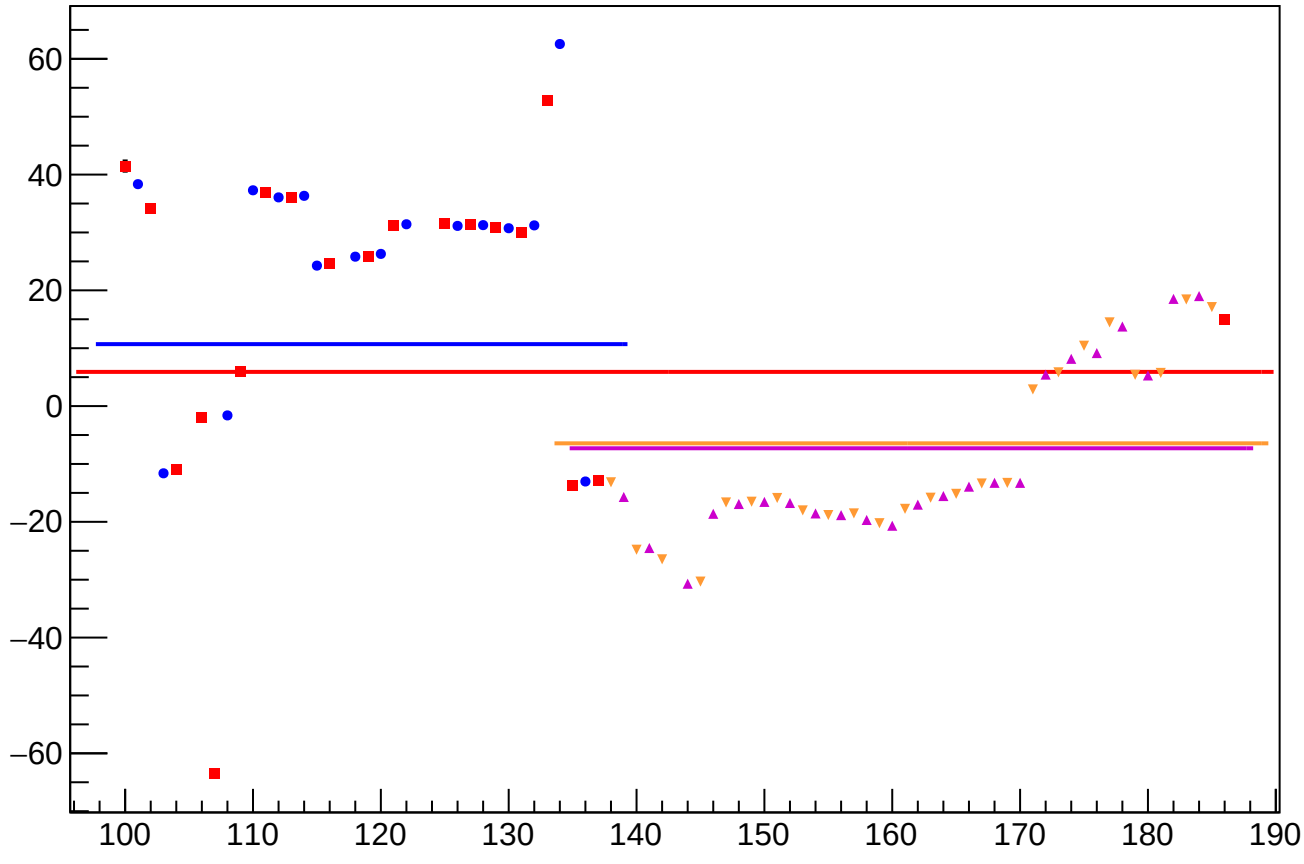
Right Out: -14.183+/-1.130 χ^2/NDF: 556.0/18

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -6.425+/-0.421 χ^2/NDF: 2744.0/39

All: -6.078+/-0.299 χ^2/NDF: 5220.9/81

- sign -5.723+/-0.425 χ^2/NDF: 2475.5/41



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 5.908+/-0.063 χ^2/NDF: 155689.8/18

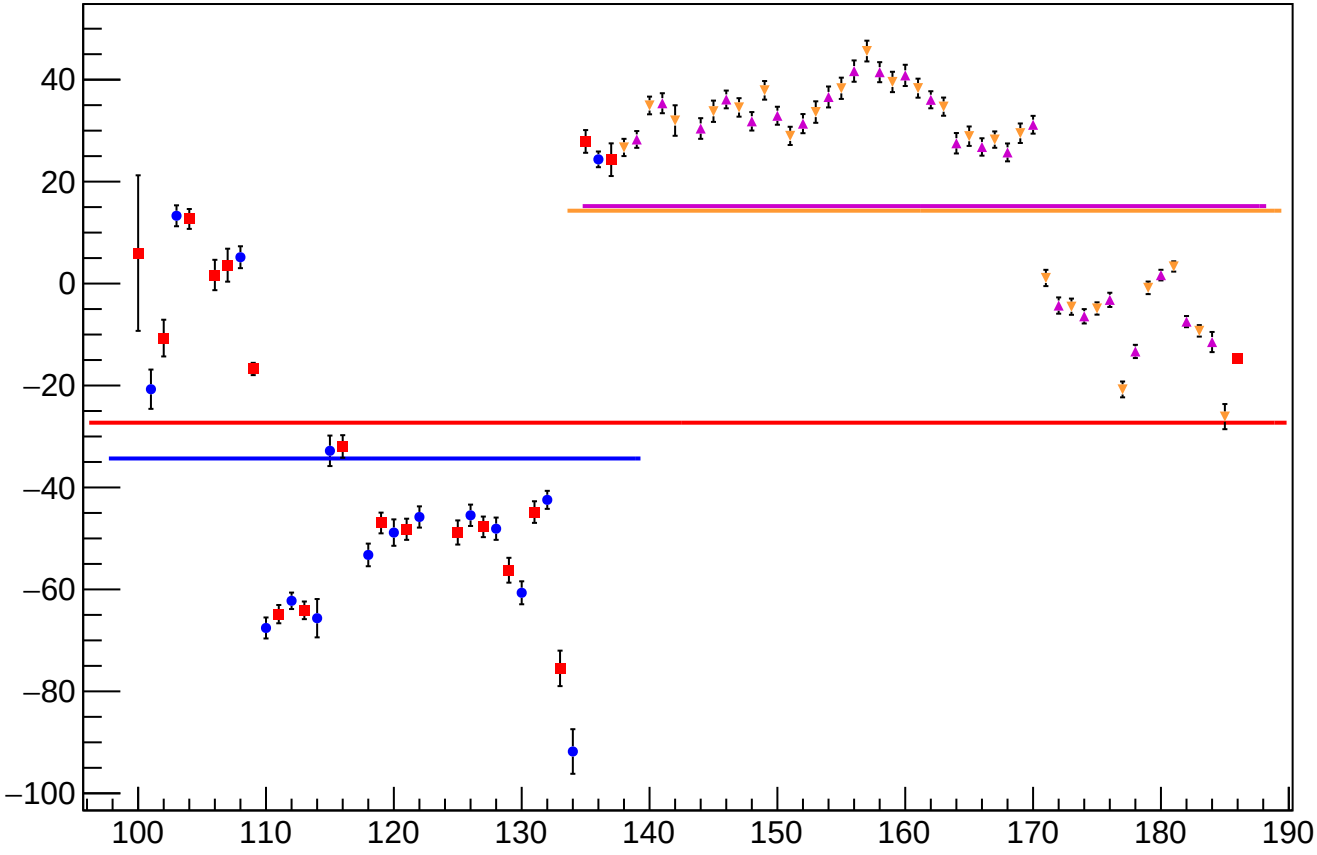
Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

\+ sign -4.836+/-0.019 χ^2/NDF: 728894.4/39

All: -5.432+/-0.014 χ^2/NDF: 1415074.8/81

\- 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: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

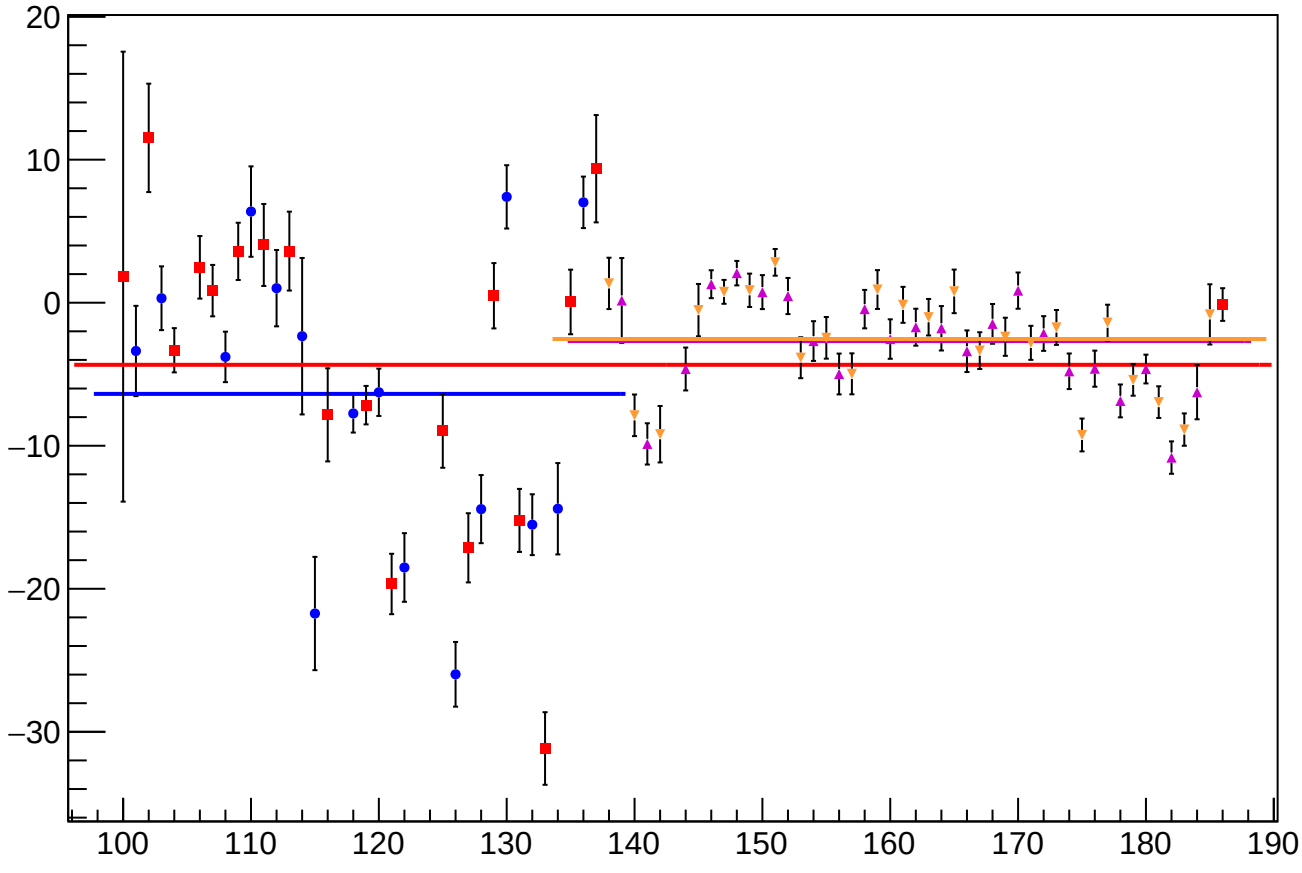
Right Out: -27.294+/-0.451 χ^2/NDF: 3439.7/18

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign 1.052+/-0.286 χ^2/NDF: 12956.0/39

All: 0.400+/-0.197 χ^2/NDF: 25484.6/81

- sign -0.186+/-0.271 χ^2/NDF: 12518.7/41



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -4.341+/-0.483 χ^2/NDF: 329.5/18

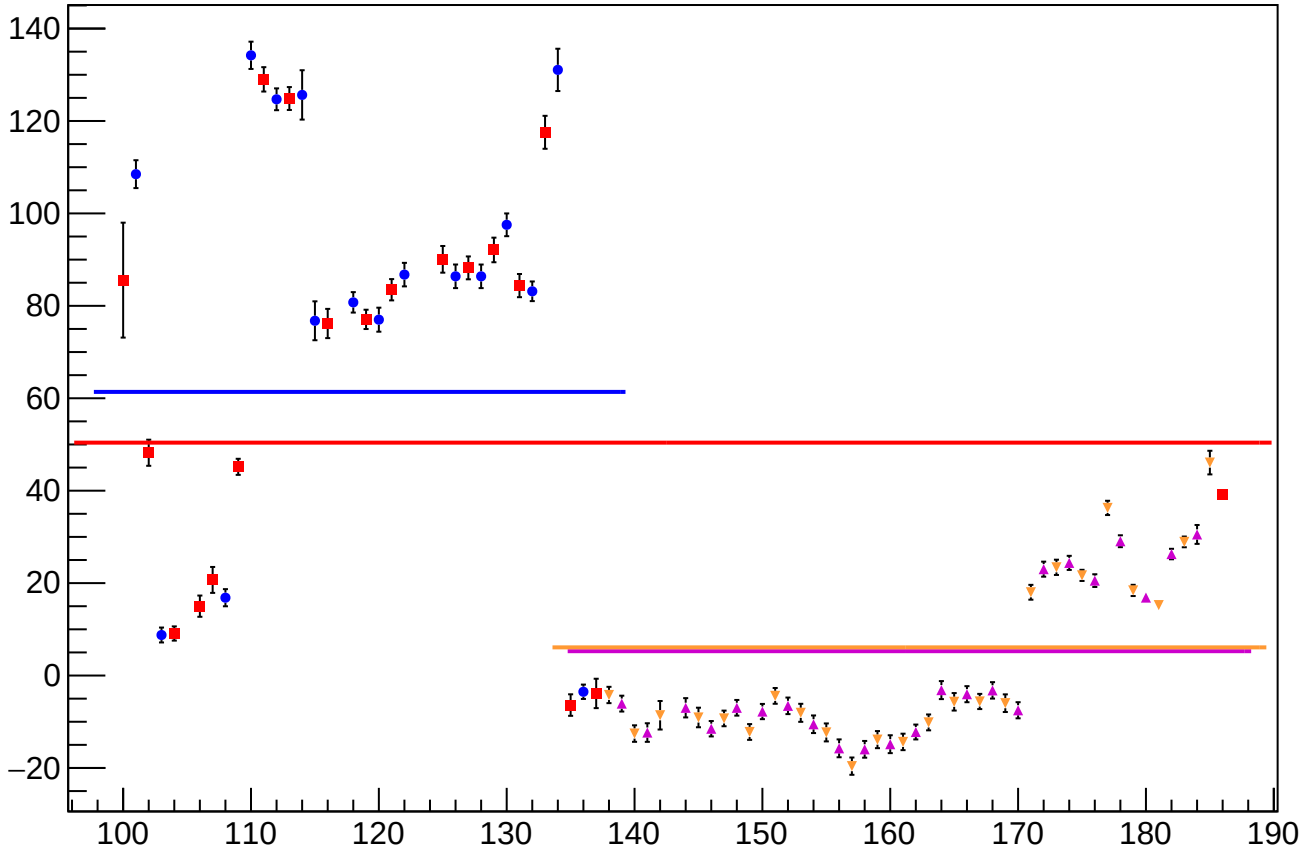
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -3.227+/-0.235 χ^2/NDF: 521.4/39

All: -3.145+/-0.165 χ^2/NDF: 1042.3/81

- sign -3.065+/-0.232 χ^2/NDF: 520.6/41

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

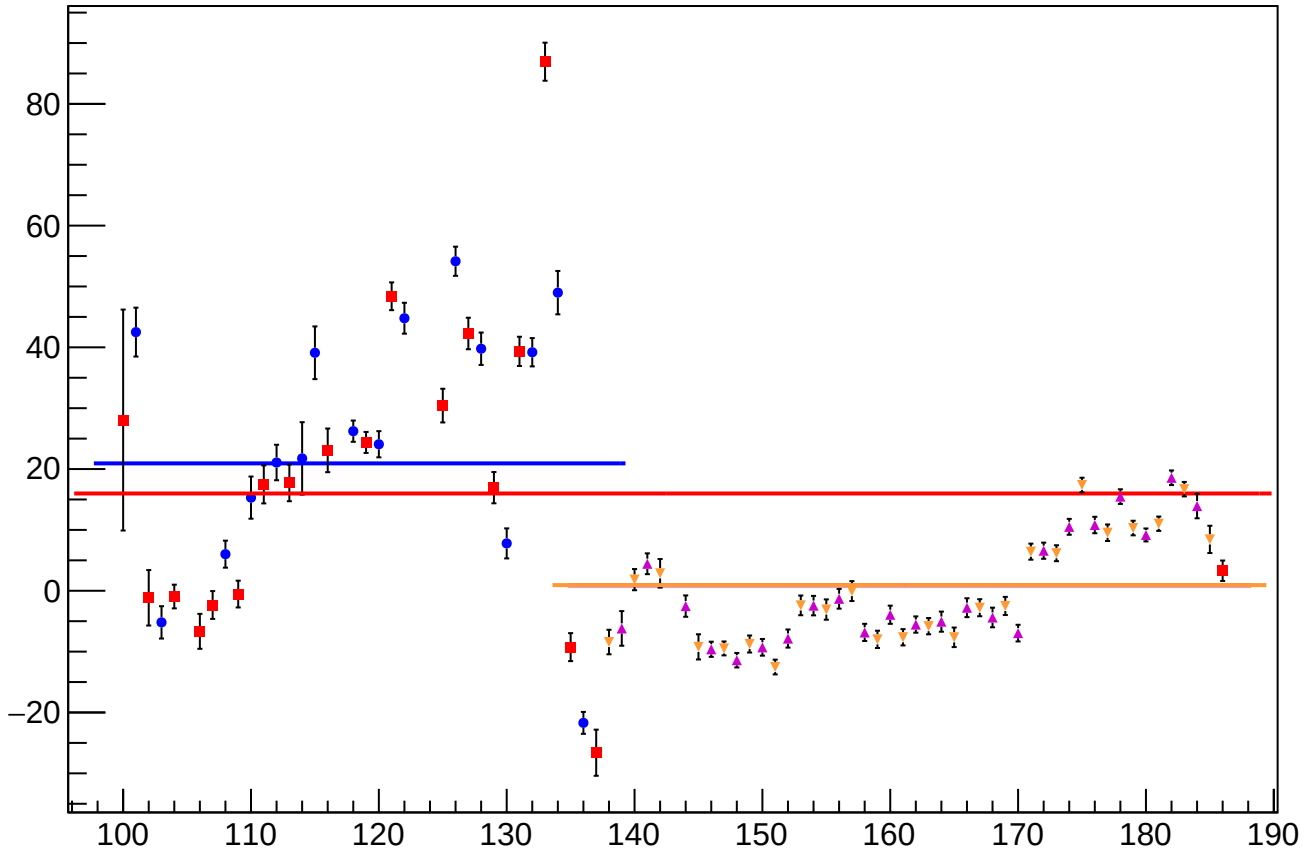
Right Out: 50.397+/-0.457 χ^2/NDF: 5633.1/18

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

\+ sign 19.296+/-0.290 χ^2/NDF: 15427.0/39

All: 20.287+/-0.198 χ^2/NDF: 29861.0/81

\- sign 21.149+/-0.271 χ^2/NDF: 14412.2/41



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

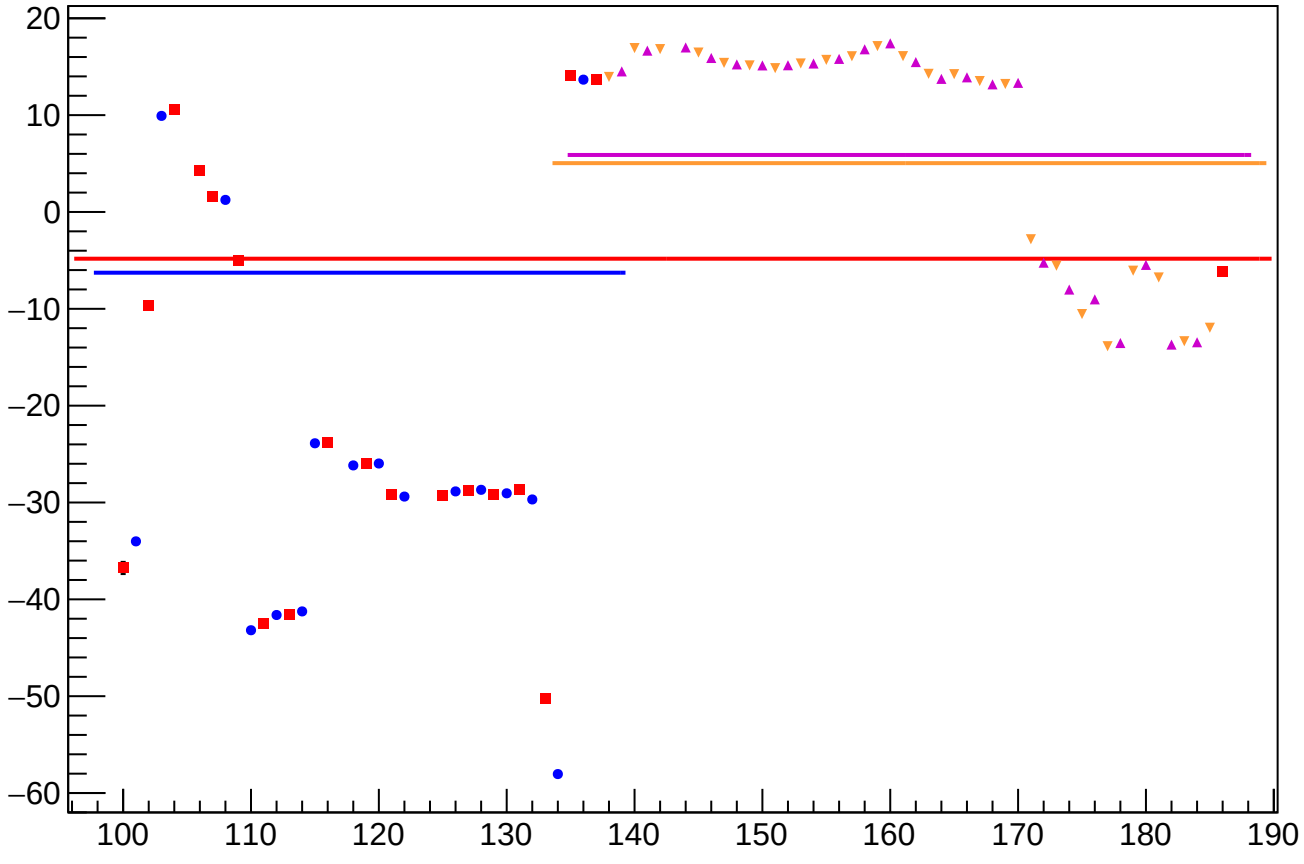
Right Out: 15.985+/-0.580 χ^2/NDF: 1547.1/18

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

\+ sign 4.370+/-0.266 χ^2/NDF: 3095.4/39

All: 4.195+/-0.187 χ^2/NDF: 6186.7/81

\- sign 4.021+/-0.265 χ^2/NDF: 3090.4/41



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

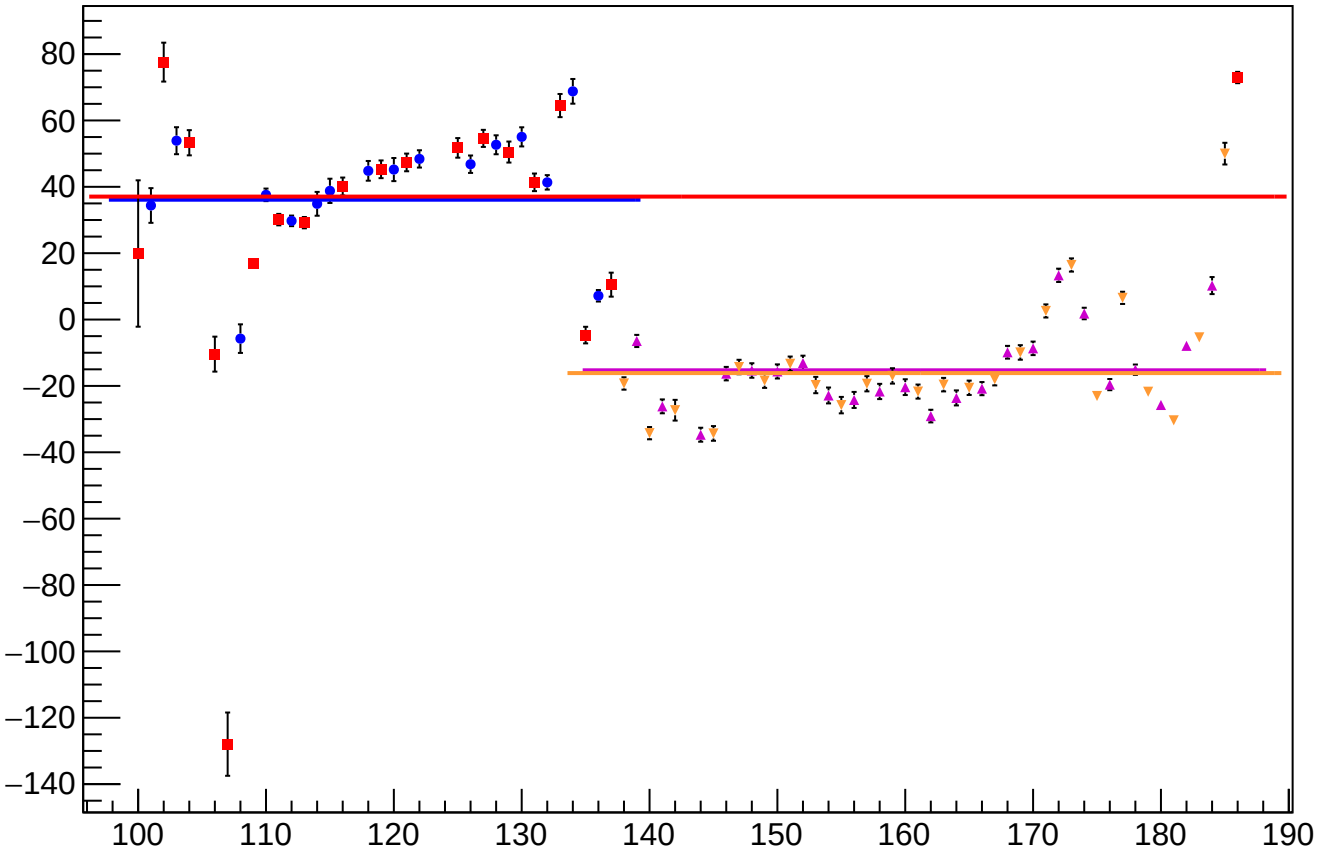
Right Out: -4.825+/-0.032 χ^2/NDF: 306797.0/18

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 3.543+/-0.012 χ^2/NDF: 1365453.4/39

All: 3.958+/-0.009 χ^2/NDF: 2614613.0/81

- sign 4.375+/-0.012 χ^2/NDF: 1246825.1/41



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

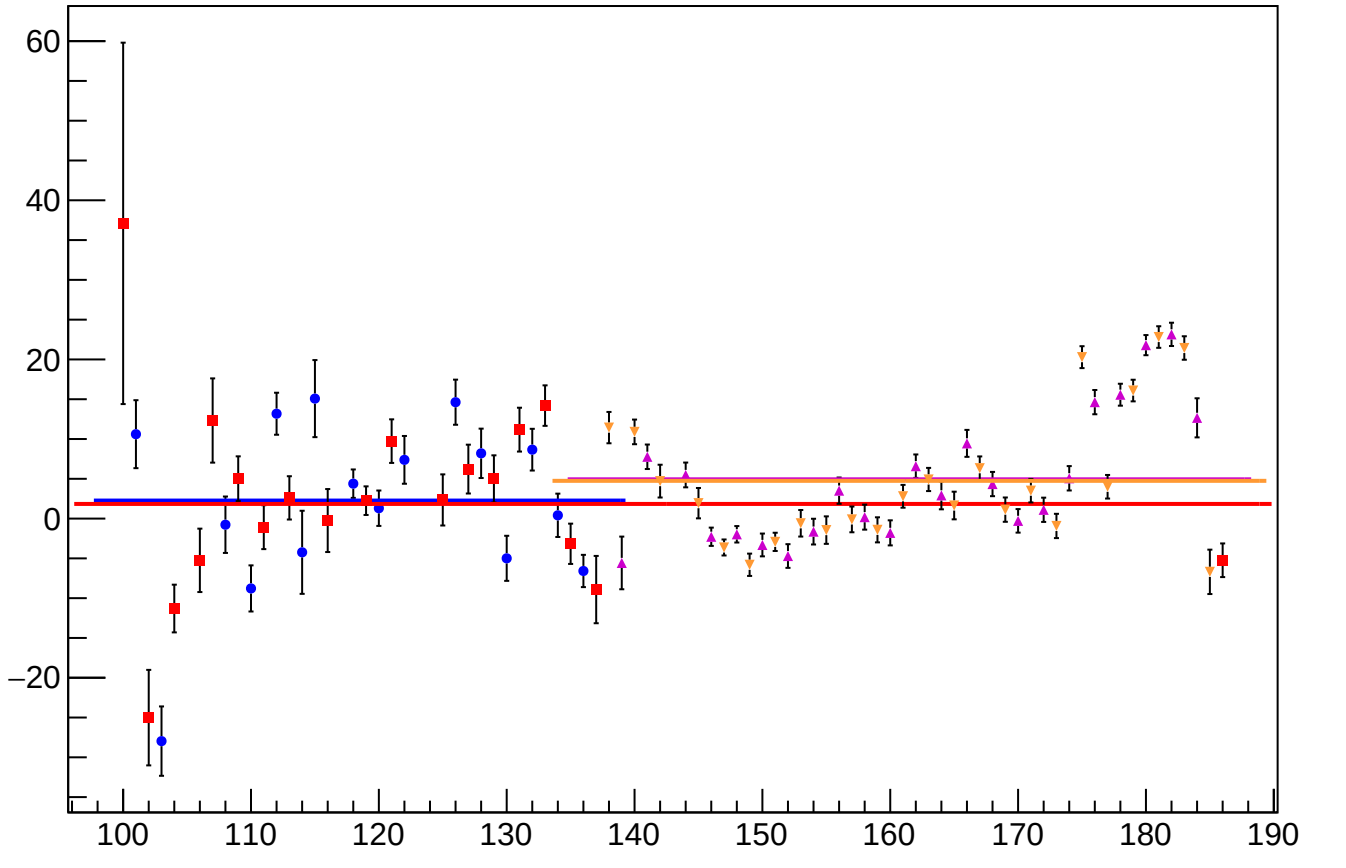
Right Out: 37.054+/-0.592 χ^2/NDF: 1617.5/18

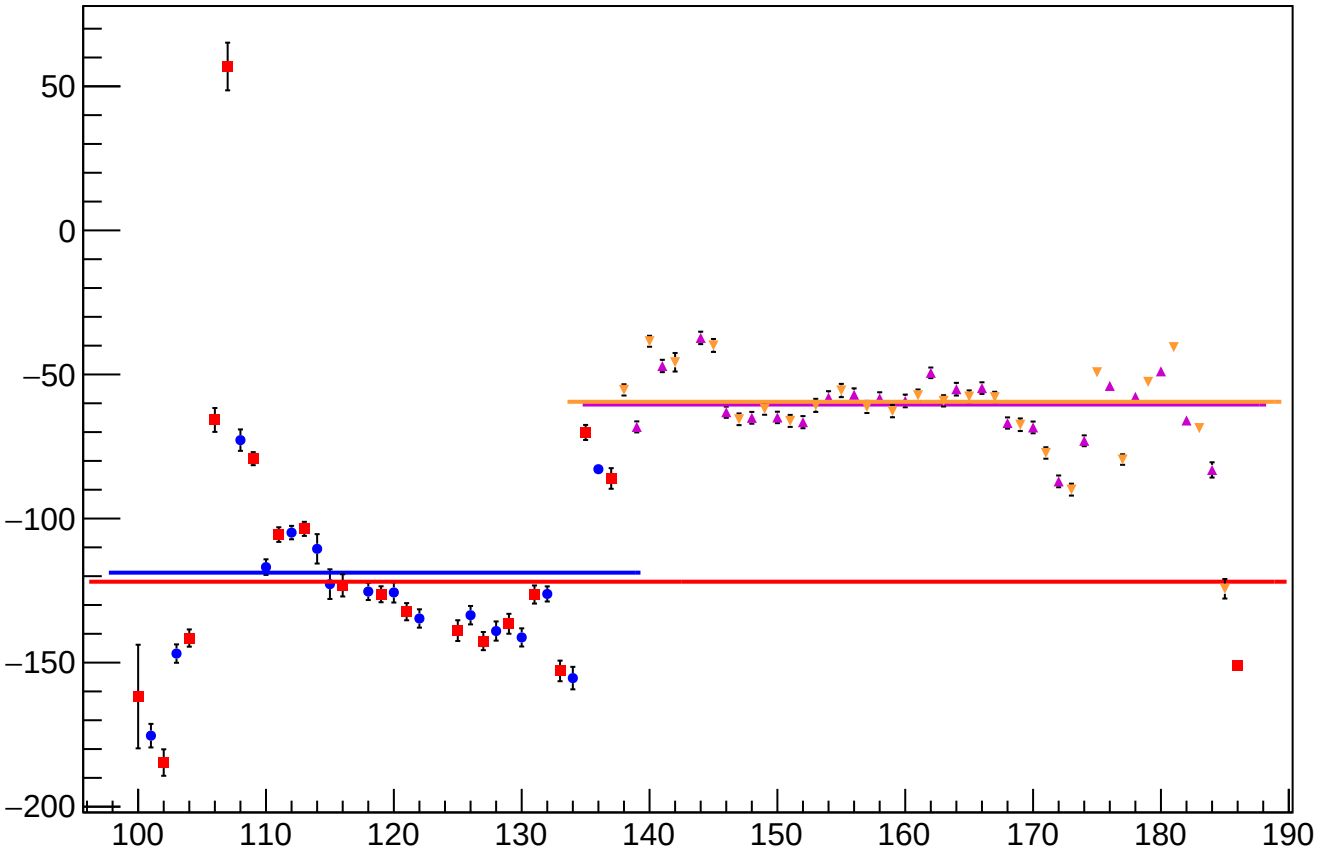
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign -2.092+/-0.340 χ^2/NDF: 6621.1/39

All: -0.354+/-0.238 χ^2/NDF: 14398.3/81

- sign 1.313+/-0.333 χ^2/NDF: 7726.0/41


reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
190
Right In: 2.265+/-0.701 χ²/NDF: 152.0/15
Left Out: 4.745+/-0.307 χ²/NDF:793.8/23
Right Out: 1.842+/-0.678 χ²/NDF: 119.7/18
Left In: 4.935+/-0.313 χ²/NDF:688.4/22
+ sign 4.347+/-0.281 χ²/NDF: 956.3/39
All: 4.369+/-0.200 χ²/NDF: 1781.5/81
- sign 4.391+/-0.284 χ²/NDF: 825.2/41



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

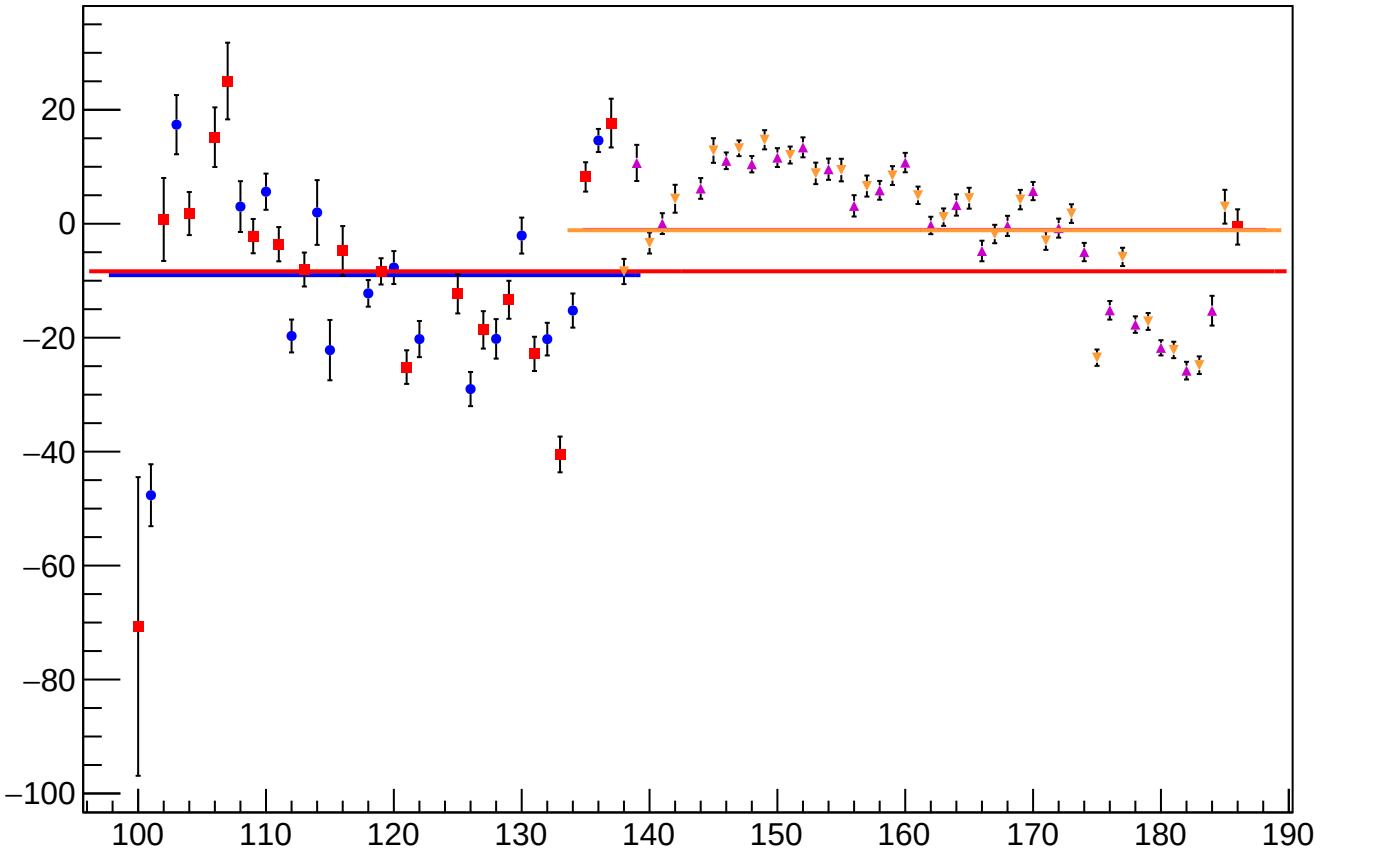
Right Out: -121.923+/-0.665 χ^2/NDF: 2457.4/18

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -72.171+/-0.350 χ^2/NDF: 7316.8/39

All: -74.509+/-0.245 χ^2/NDF: 16813.2/81

\- sign -76.745+/-0.342 χ^2/NDF: 9409.1/41



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

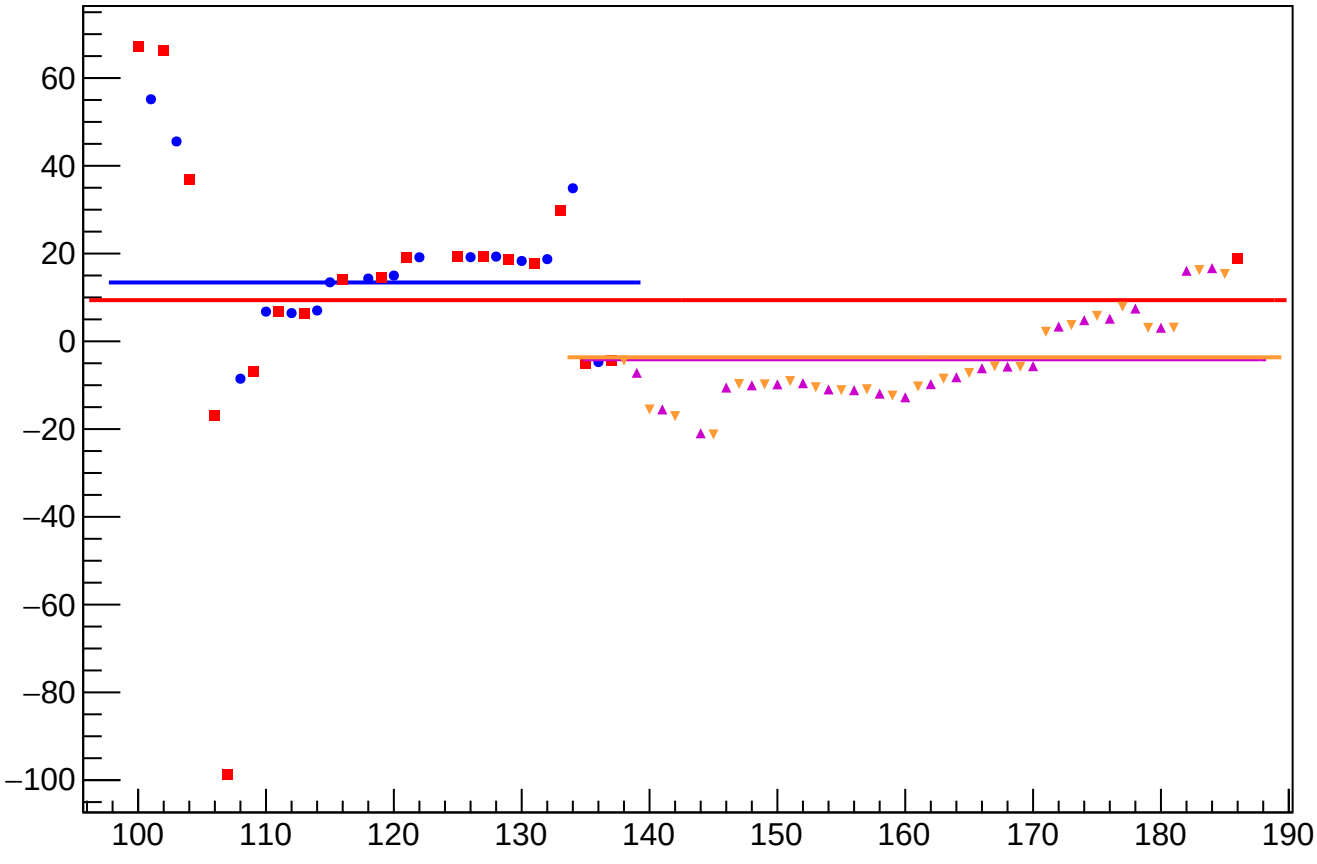
Right Out: -8.346+/-0.784 χ^2/NDF: 325.5/18

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -2.394+/-0.317 χ^2/NDF: 1743.4/39

All: -2.347+/-0.226 χ^2/NDF: 3297.8/81

- sign -2.299+/-0.321 χ^2/NDF: 1554.3/41



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 9.381+/-0.046 χ^2/NDF: 293046.2/18

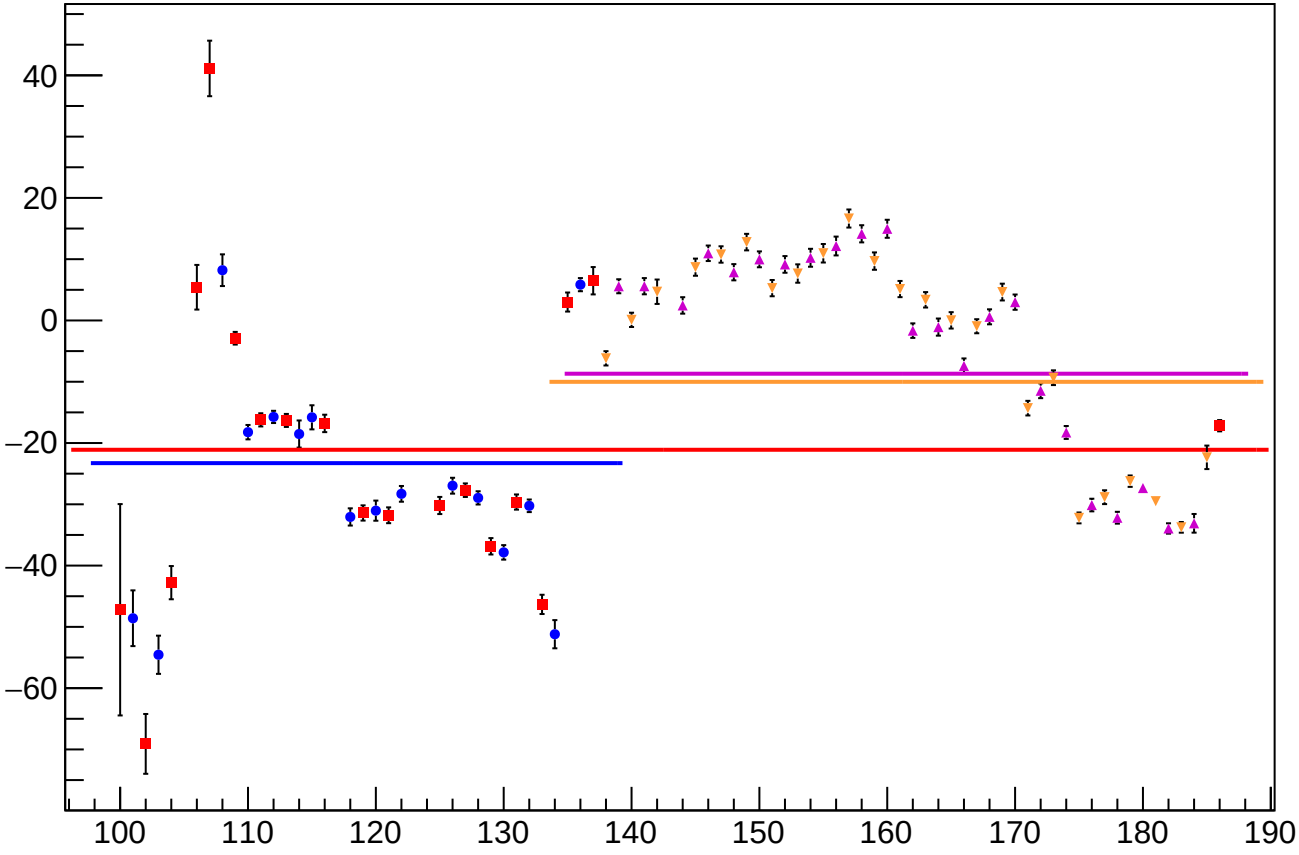
Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -1.861+/-0.015 χ^2/NDF: 656570.8/39

All: -2.292+/-0.010 χ^2/NDF: 1360662.2/81

- sign -2.730+/-0.015 χ^2/NDF: 702335.6/41

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

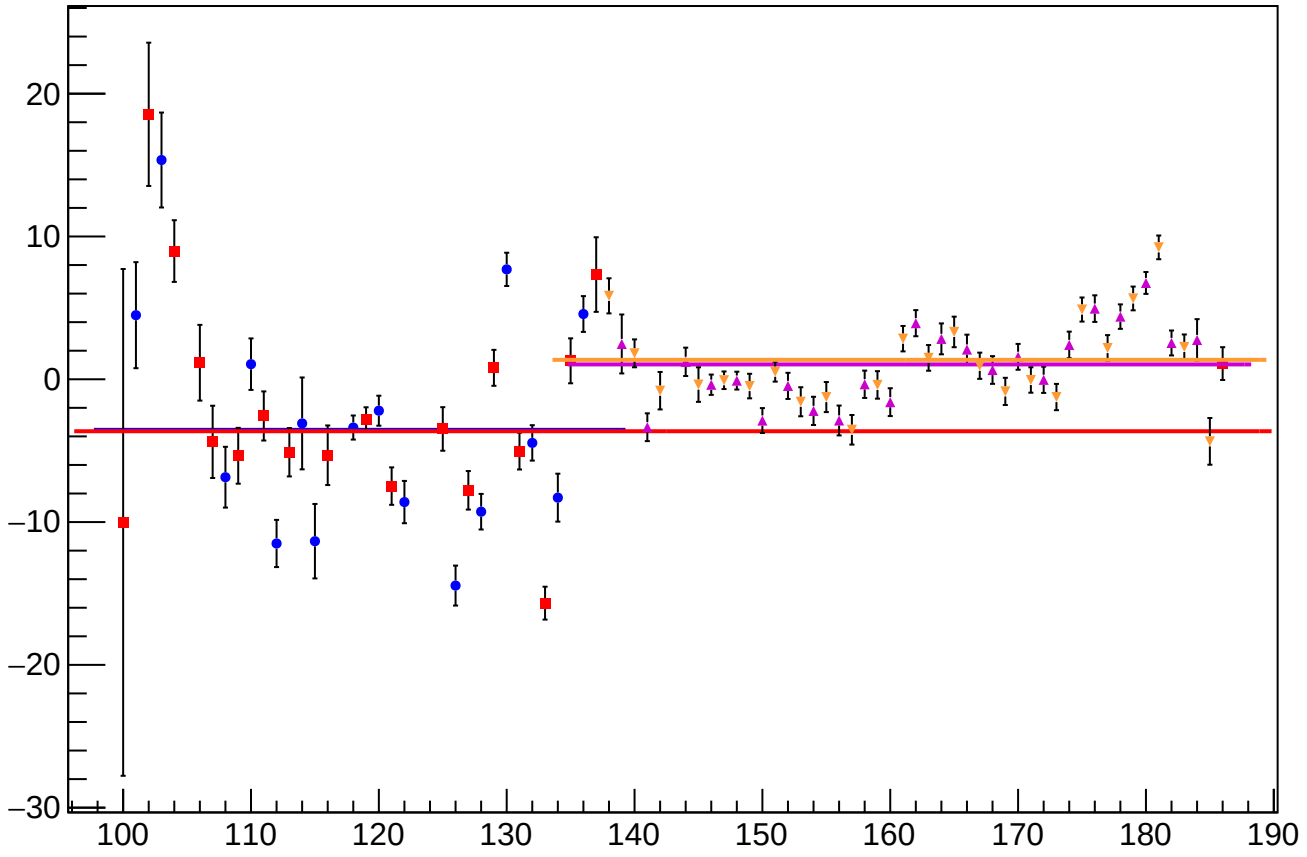
Right Out: -21.101+/-0.325 χ^2/NDF: 1834.4/18

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -14.353+/-0.200 χ^2/NDF: 7510.1/39

All: -13.792+/-0.140 χ^2/NDF: 15304.3/81

- sign -13.249+/-0.197 χ^2/NDF: 7778.8/41



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

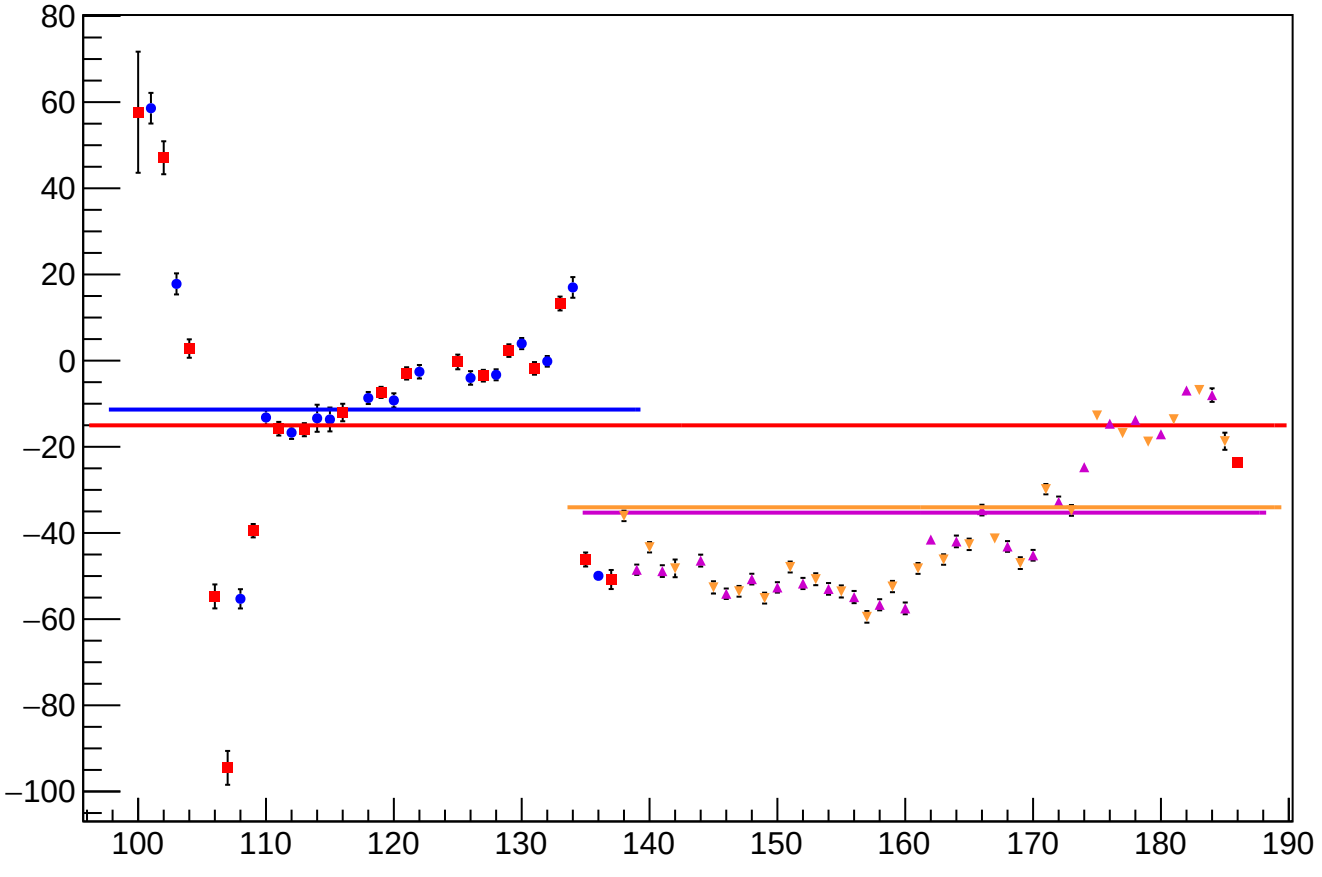
Right Out: -3.639+/-0.353 χ^2/NDF: 246.2/18

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.320+/-0.167 χ^2/NDF: 701.0/39

All: 0.146+/-0.119 χ^2/NDF: 1281.1/81

- sign -0.032+/-0.169 χ^2/NDF: 577.9/41



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

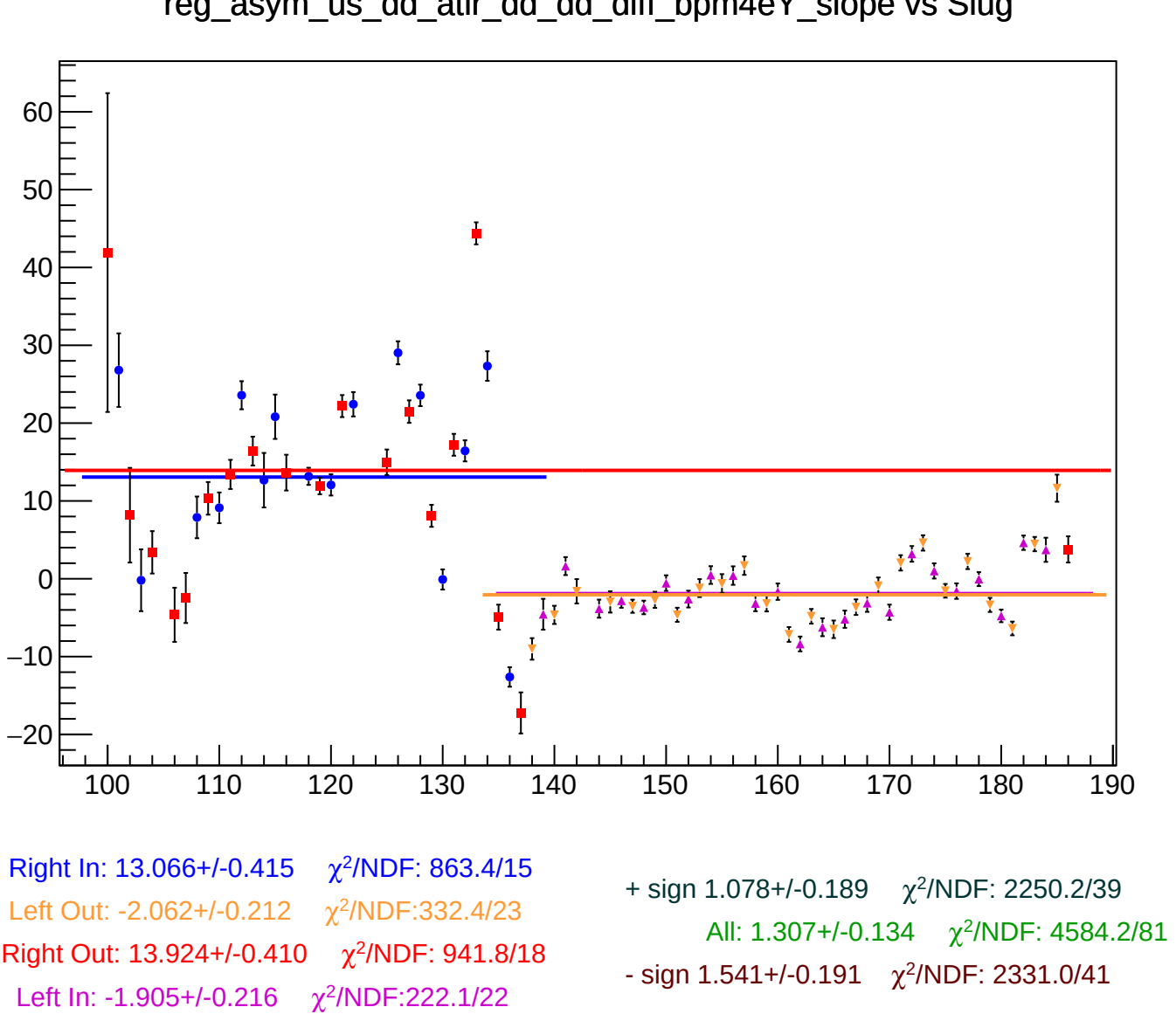
Right Out: -15.020+/-0.360 χ^2/NDF: 2774.6/18

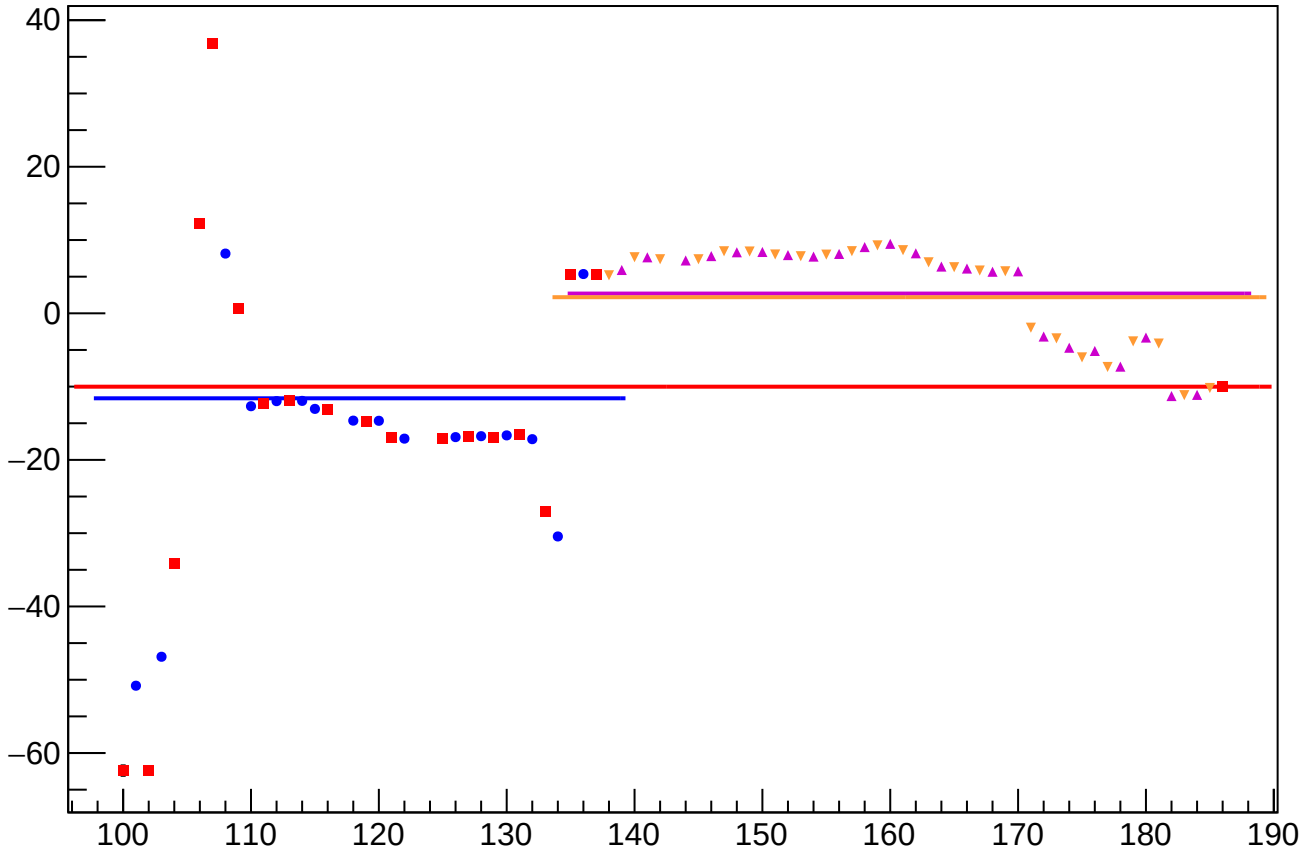
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

+ sign -28.064+/-0.208 χ^2/NDF: 9930.2/39

All: -28.476+/-0.145 χ^2/NDF: 19869.6/81

- 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: 13.066+/-0.415 χ²/NDF: 863.4/15
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 1.078+/-0.189 χ²/NDF: 2250.2/39
All: 1.307+/-0.134 χ²/NDF: 4584.2/81
- sign 1.541+/-0.191 χ²/NDF: 2331.0/41



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -10.011+/-0.027 χ^2/NDF: 396286.9/18

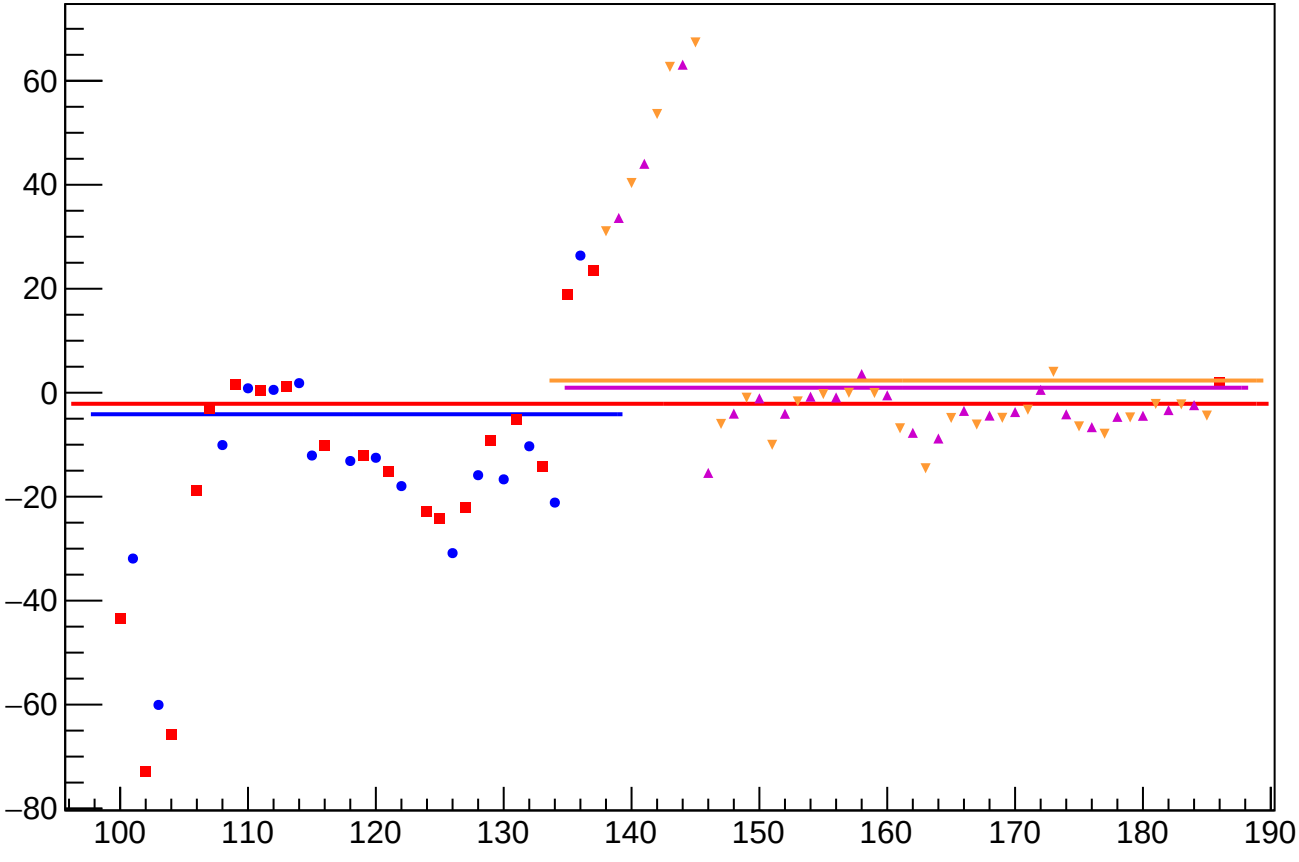
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

+ sign 0.609+/-0.009 χ^2/NDF: 1112225.6/39

All: 0.930+/-0.006 χ^2/NDF: 2210219.3/81

- sign 1.256+/-0.009 χ^2/NDF: 1095386.7/41

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -2.131+/-0.045 χ^2/NDF: 81257.9/19

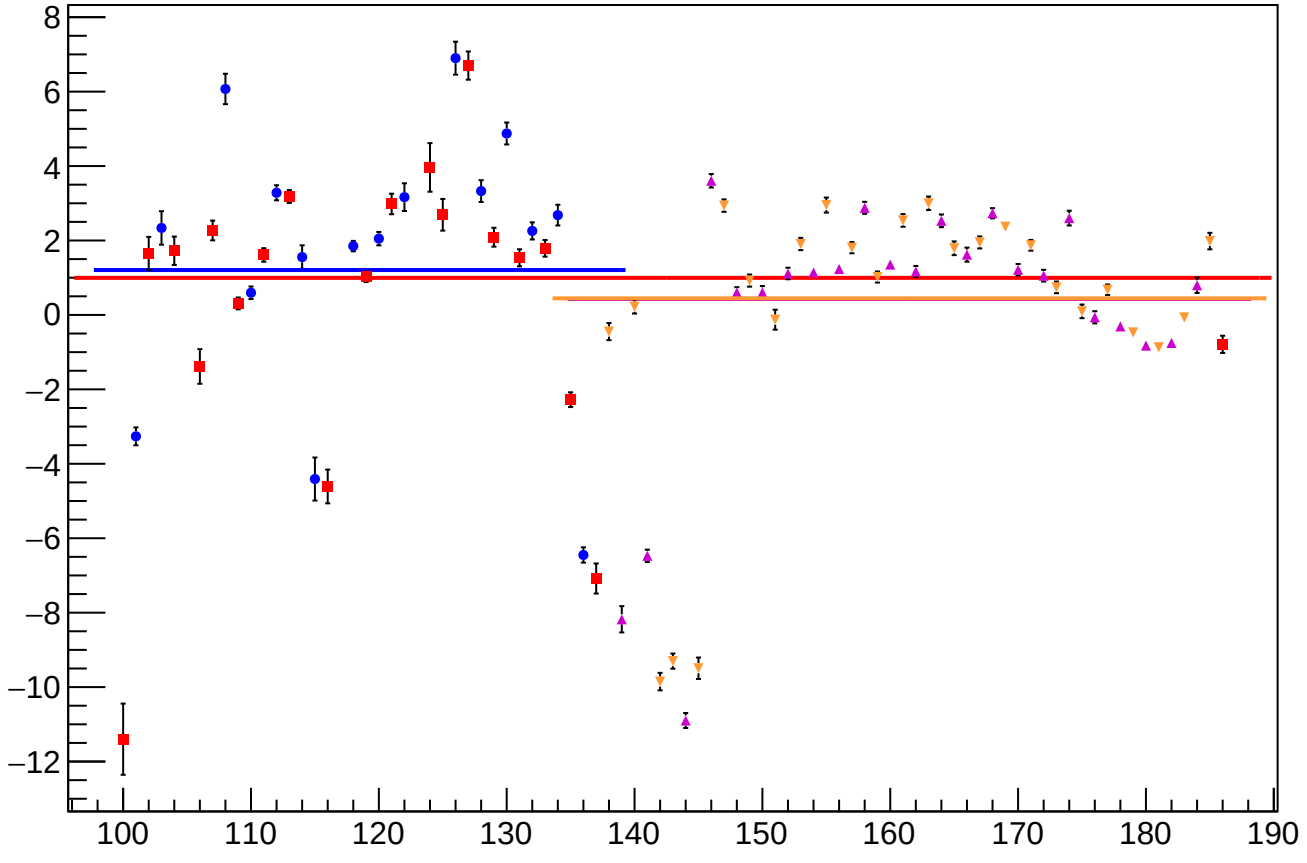
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 0.061+/-0.032 χ^2/NDF: 261372.7/40

All: -0.195+/-0.022 χ^2/NDF: 477914.8/83

- 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: 2584.4/15

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.996+/-0.056 χ^2/NDF: 1650.7/19

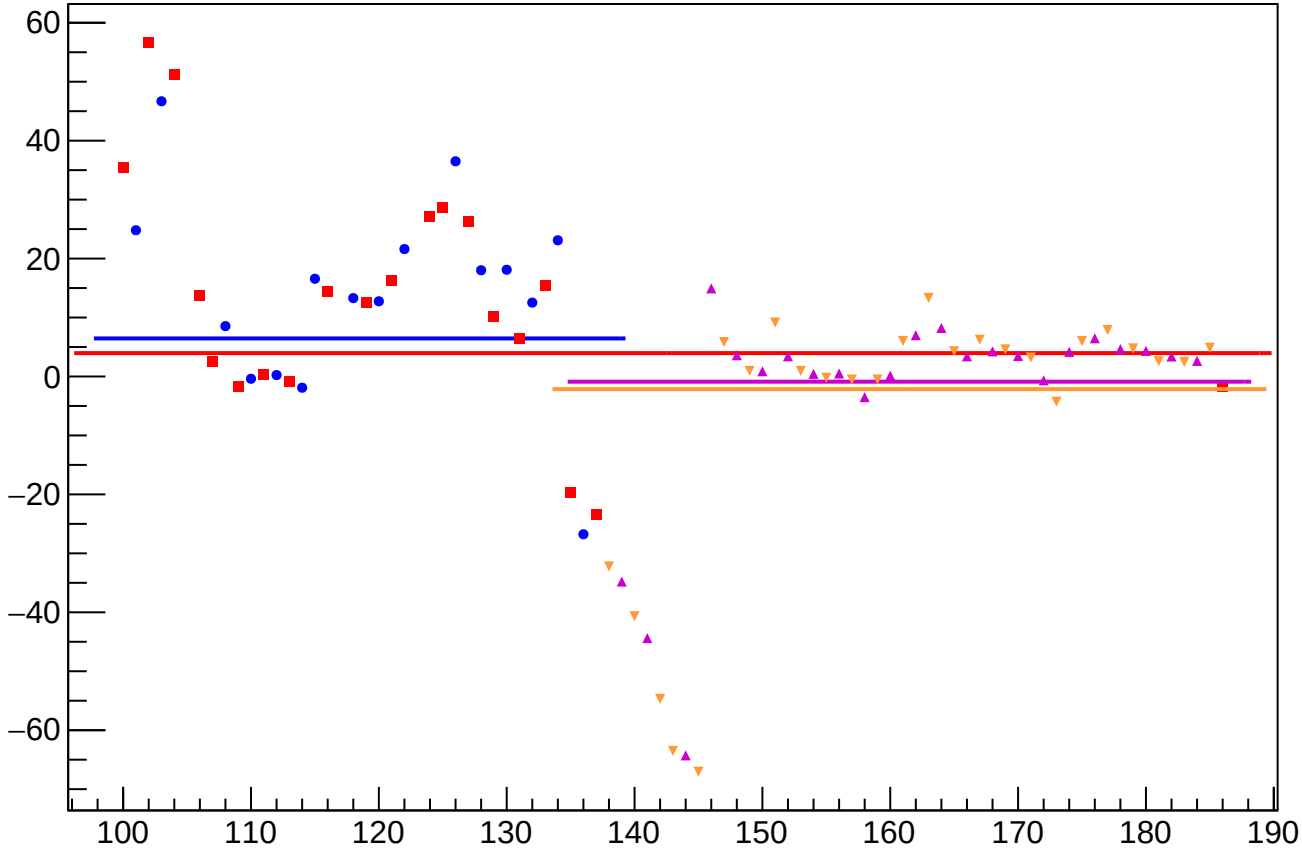
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.619+/-0.029 χ^2/NDF: 9750.9/40

All: 0.591+/-0.020 χ^2/NDF: 18585.2/83

- sign 0.565+/-0.027 χ^2/NDF: 8832.5/42

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: 3.966+/-0.055 χ^2/NDF: 76913.9/19

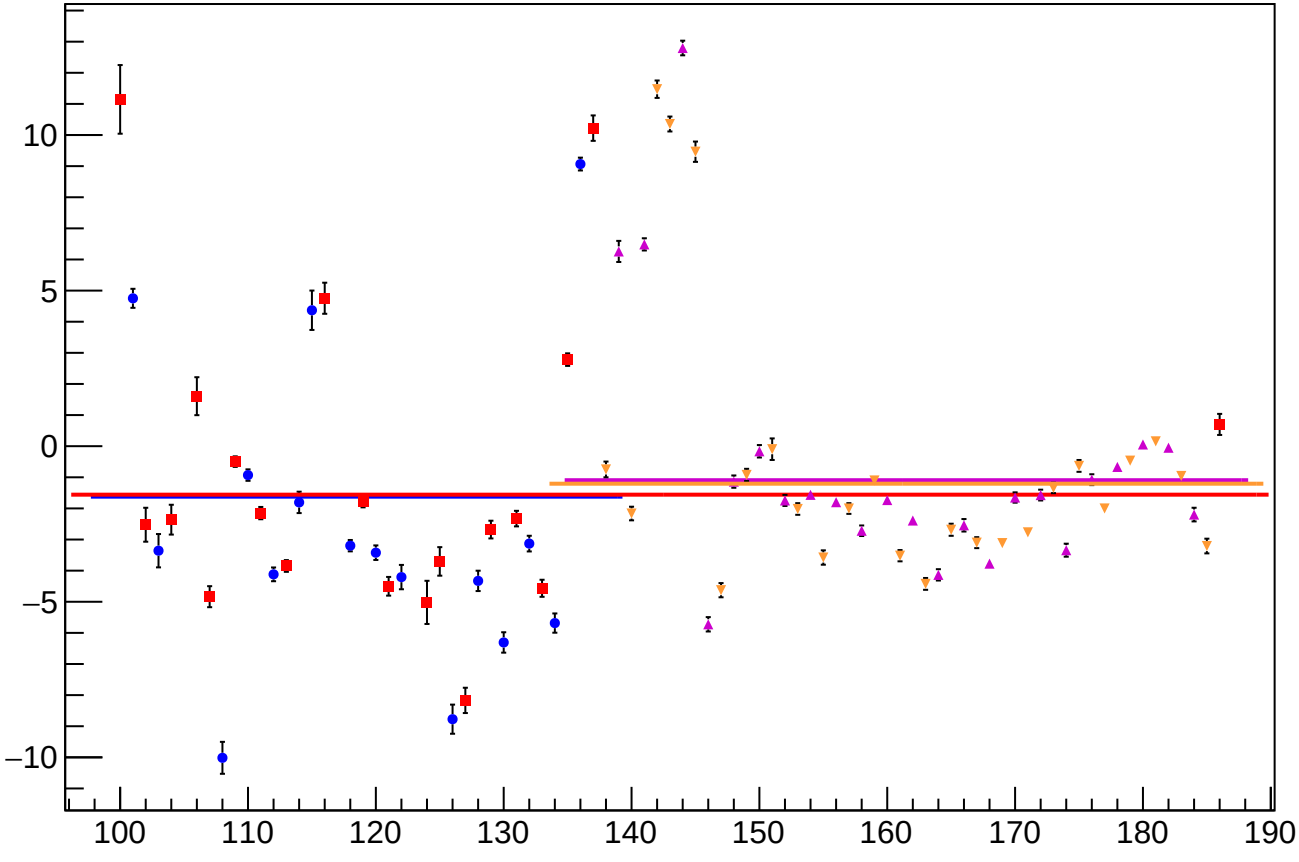
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign 0.229+/-0.034 χ^2/NDF: 254523.5/40

All: 0.513+/-0.023 χ^2/NDF: 465907.0/83

- sign 0.761+/-0.032 χ^2/NDF: 211254.5/42

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -1.558+/-0.063 χ^2/NDF: 2508.2/19

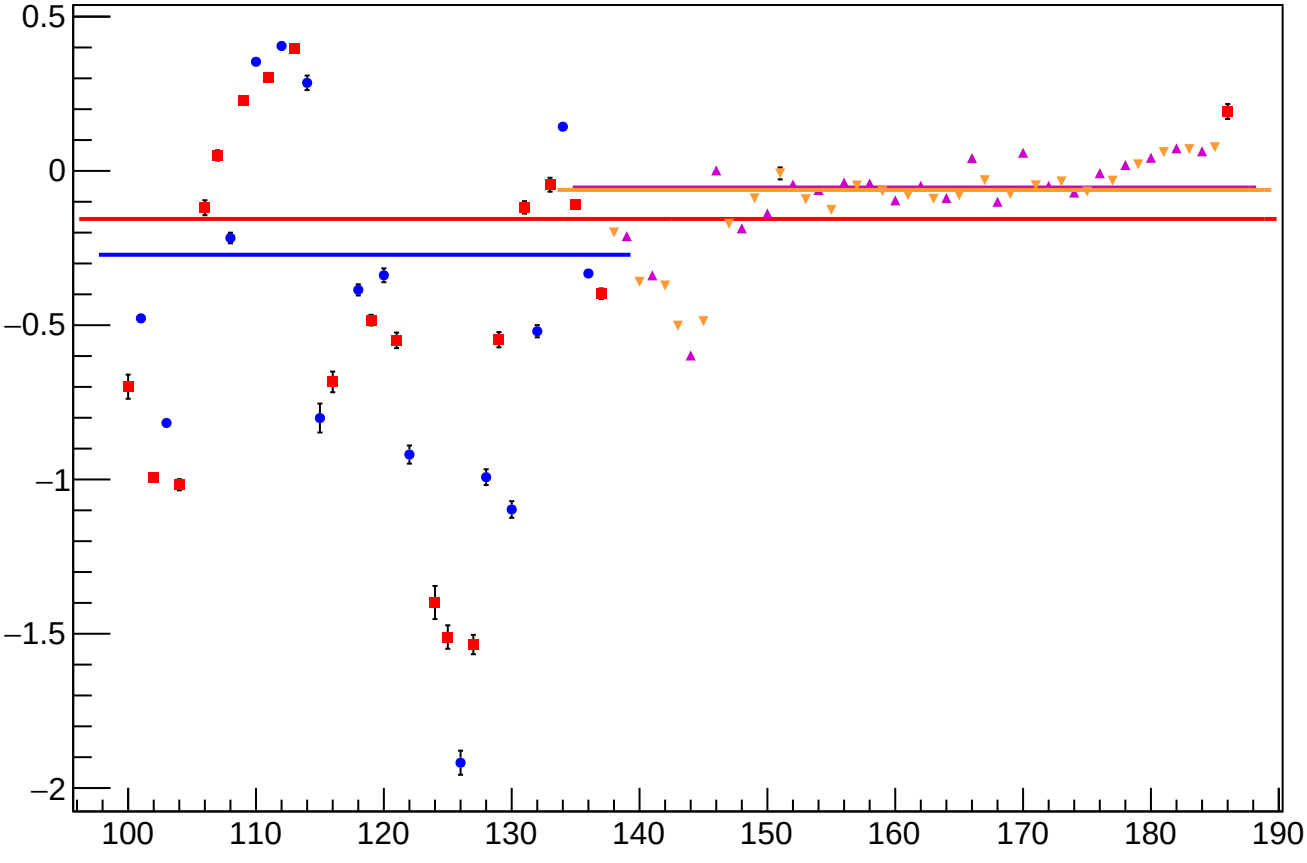
Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.295+/-0.032 χ^2/NDF: 11556.3/40

All: -1.246+/-0.022 χ^2/NDF: 21139.4/83

- sign -1.201+/-0.031 χ^2/NDF: 9578.6/42

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: -0.156+/-0.004 χ^2/NDF: 15711.1/19

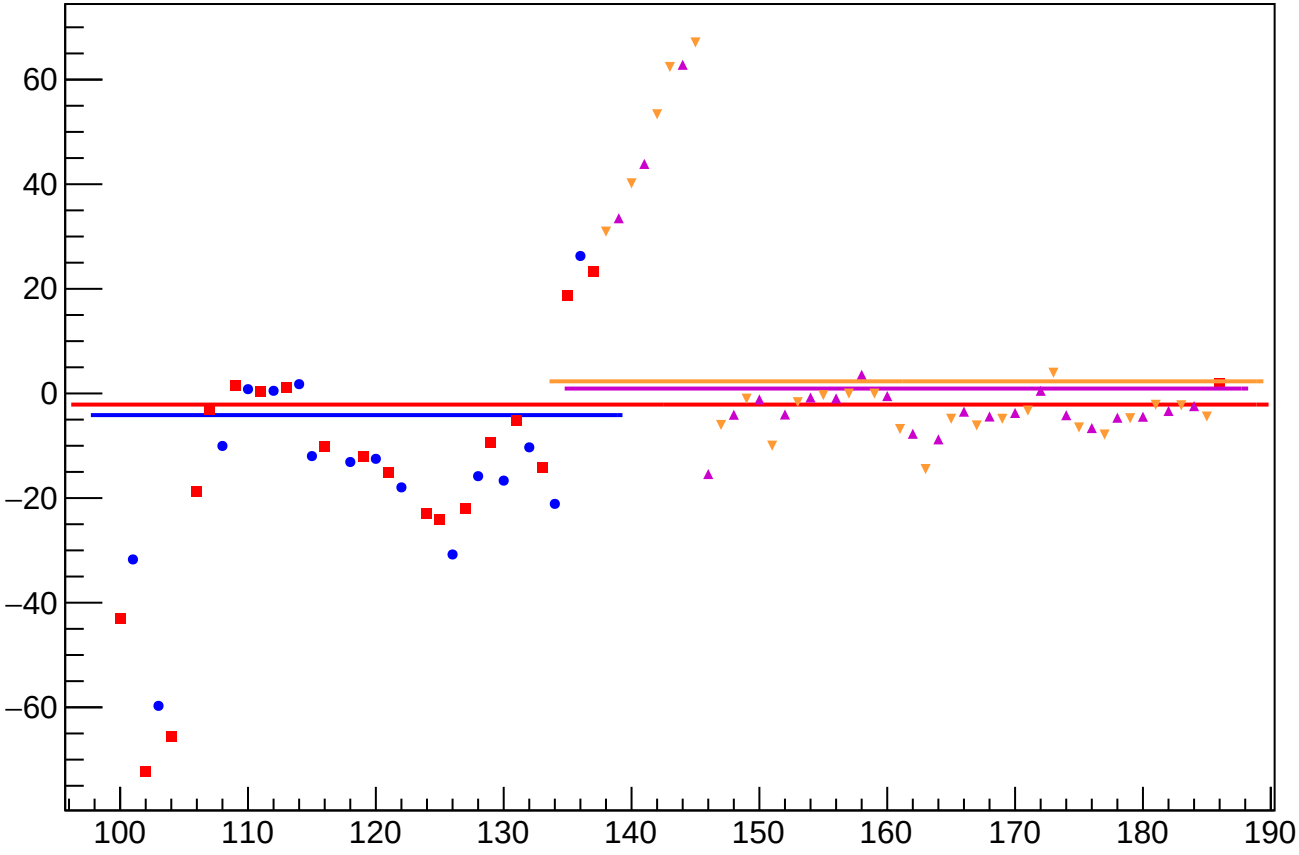
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.088+/-0.001 χ^2/NDF: 19991.7/40

All: -0.077+/-0.001 χ^2/NDF: 41470.8/83

- sign -0.068+/-0.001 χ^2/NDF: 21376.5/42

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: -2.126+/-0.044 χ^2/NDF: 81190.7/19

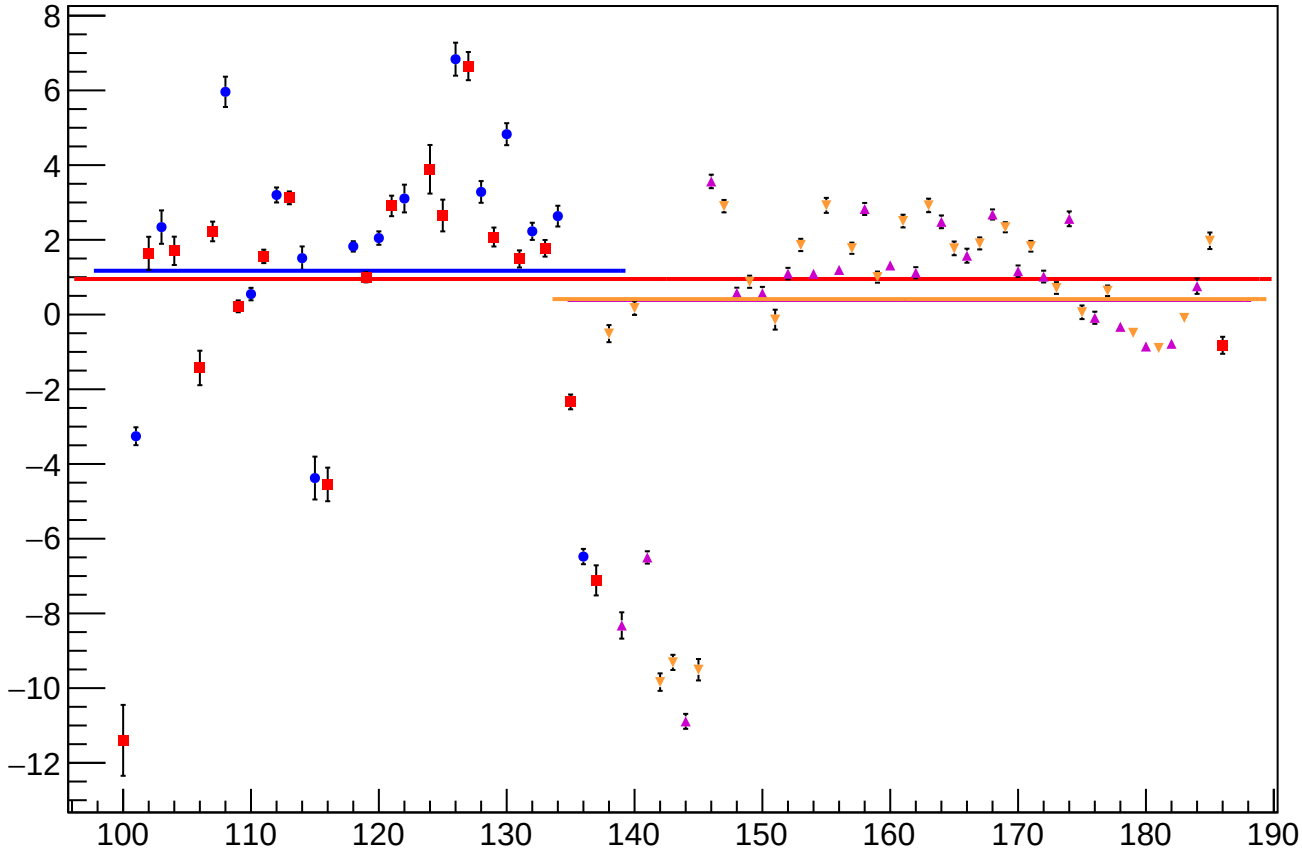
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 0.039+/-0.032 χ^2/NDF: 261120.9/40

All: -0.213+/-0.022 χ^2/NDF: 477460.1/83

- sign -0.427+/-0.030 χ^2/NDF: 216226.1/42

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.952+/-0.055 χ^2/NDF: 1661.1/19

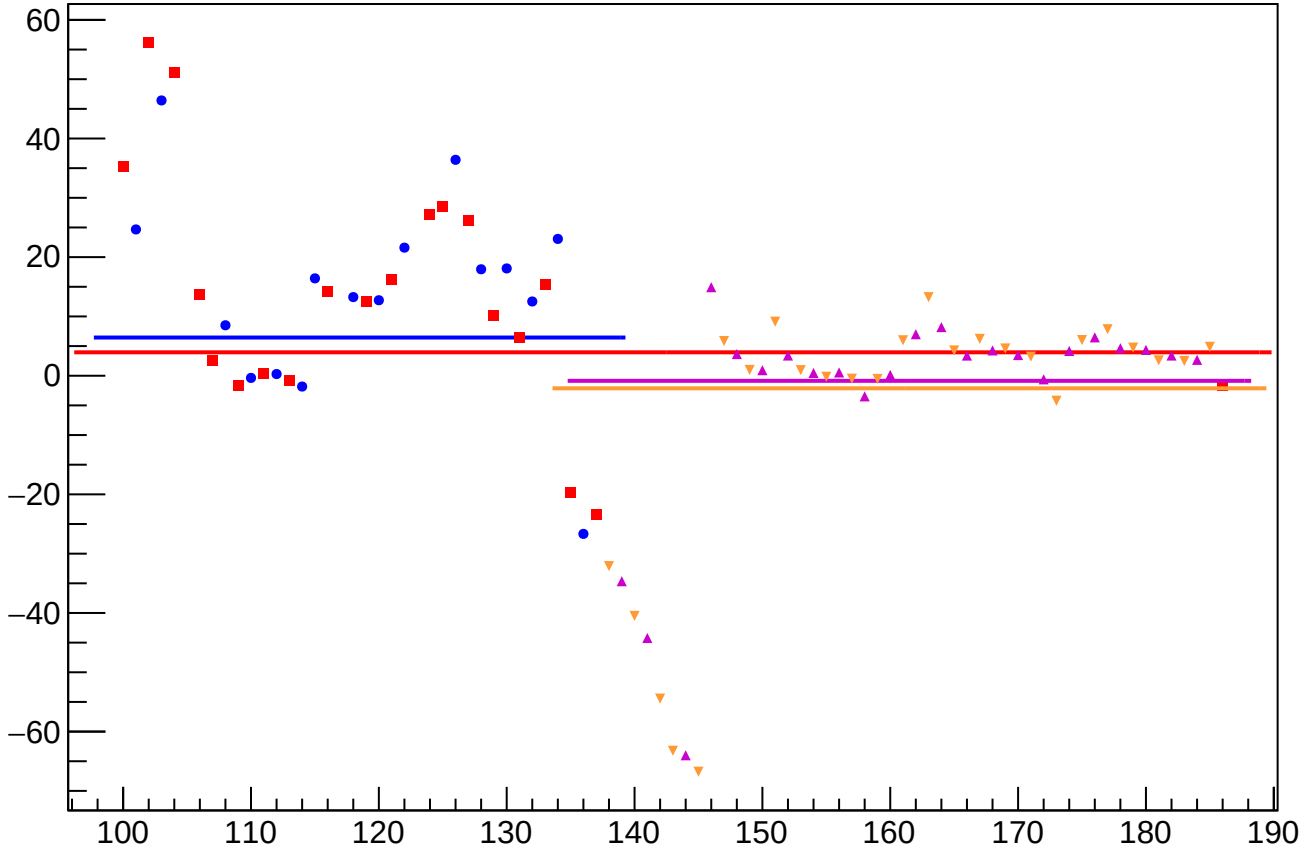
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.587+/-0.029 χ^2/NDF: 9754.5/40

All: 0.555+/-0.020 χ^2/NDF: 18610.7/83

- sign 0.526+/-0.027 χ^2/NDF: 8853.8/42

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: 3.950+/-0.055 χ^2/NDF: 76845.5/19

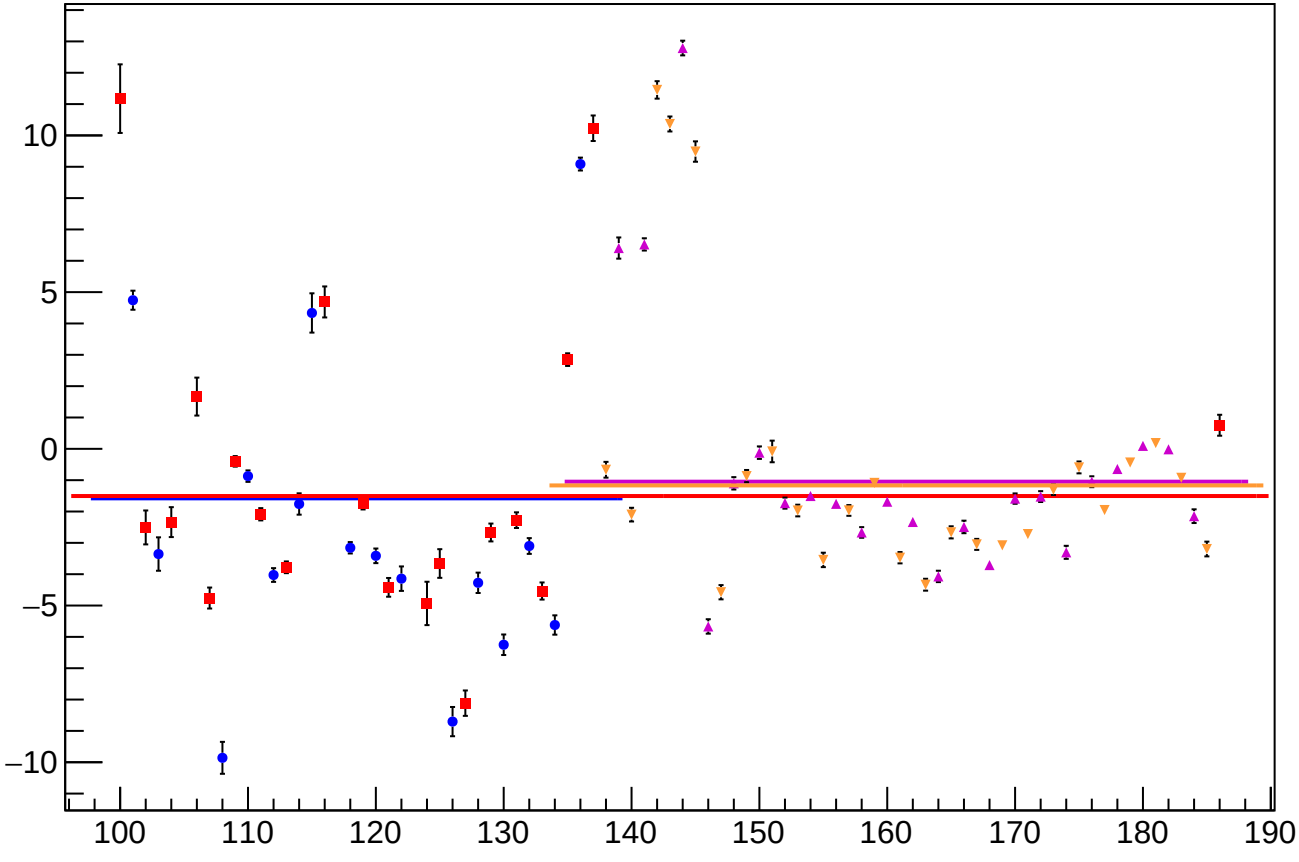
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign 0.250+/-0.034 χ^2/NDF: 254273.3/40

All: 0.533+/-0.023 χ^2/NDF: 465446.2/83

- sign 0.779+/-0.032 χ^2/NDF: 211044.7/42

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -1.506+/-0.063 χ^2/NDF: 2519.6/19

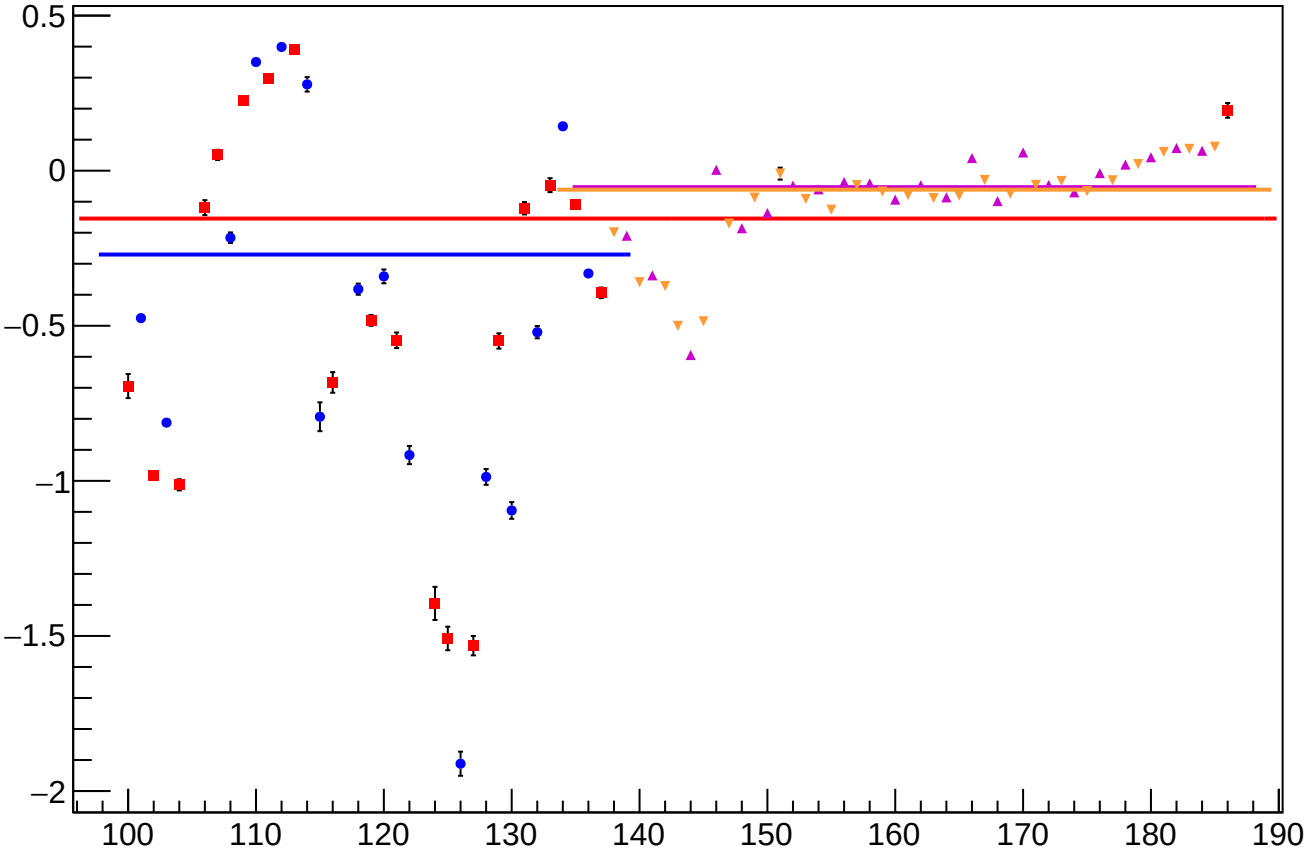
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.256+/-0.032 χ^2/NDF: 11553.5/40

All: -1.203+/-0.022 χ^2/NDF: 21159.4/83

- sign -1.155+/-0.030 χ^2/NDF: 9600.7/42

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: -0.154+/-0.004 χ^2/NDF: 15730.6/19

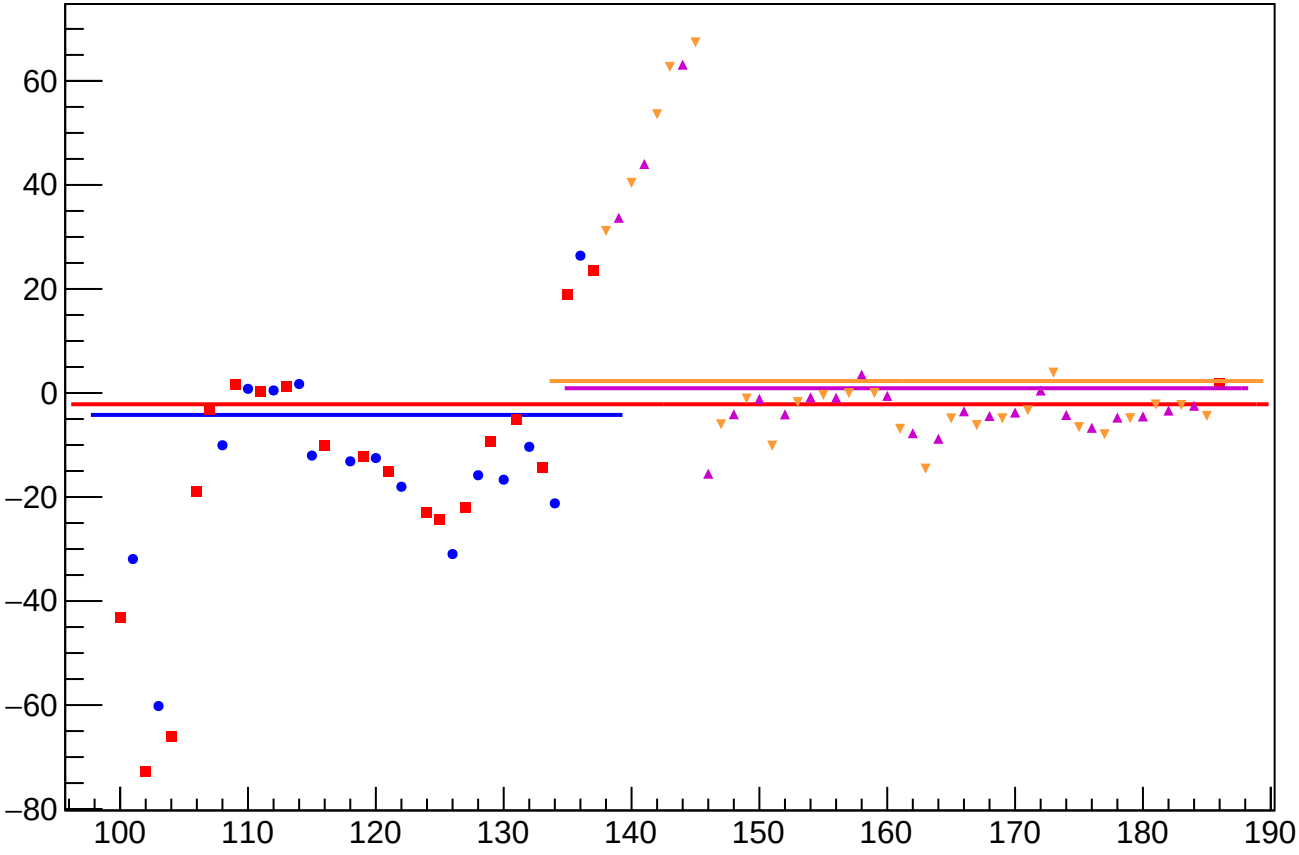
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.088+/-0.001 χ^2/NDF: 19998.6/40

All: -0.077+/-0.001 χ^2/NDF: 41476.8/83

- sign -0.067+/-0.001 χ^2/NDF: 21371.8/42

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -2.170+/-0.045 χ^2/NDF: 81243.8/19

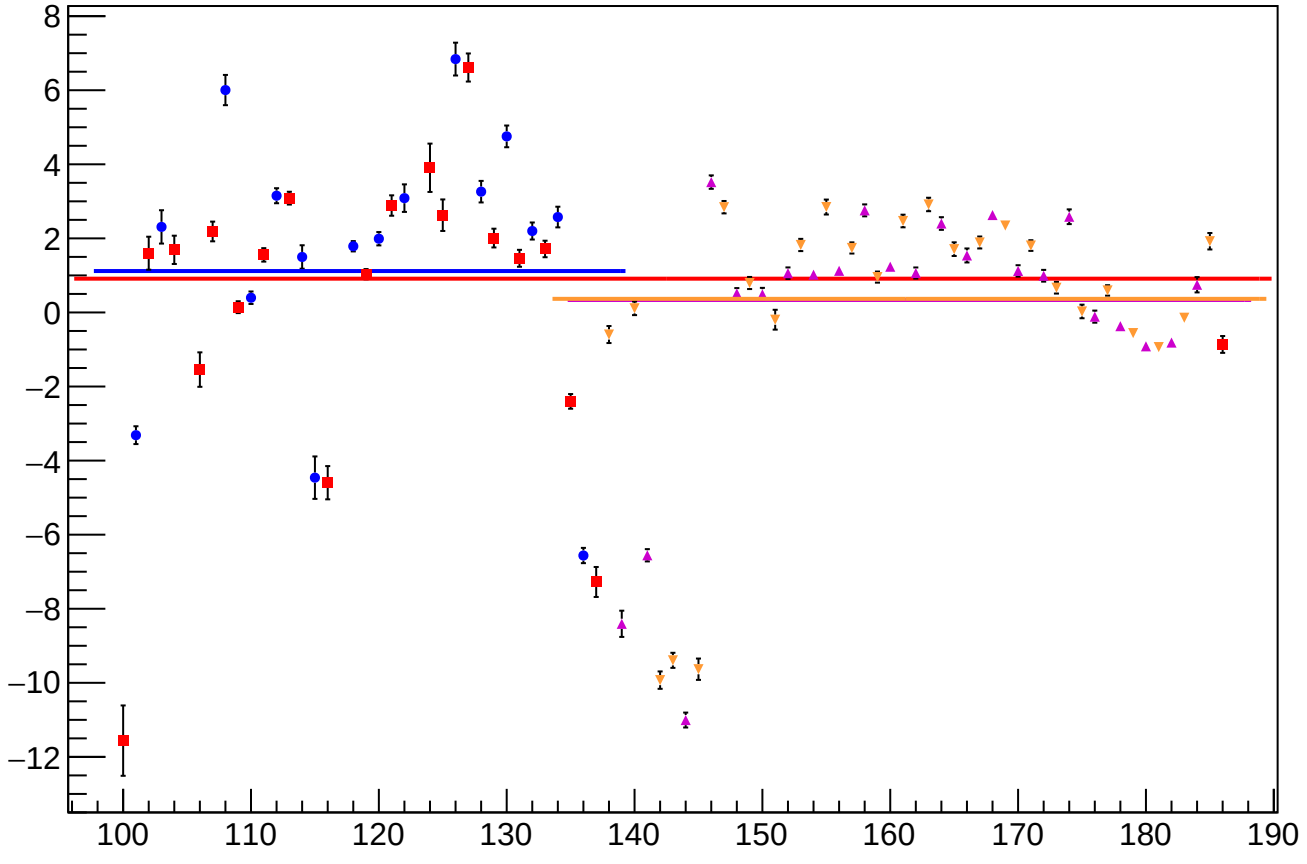
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 0.006+/-0.032 χ^2/NDF: 261581.3/40

All: -0.244+/-0.022 χ^2/NDF: 478145.6/83

- 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: 2591.7/15

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.912+/-0.056 χ^2/NDF: 1676.9/19

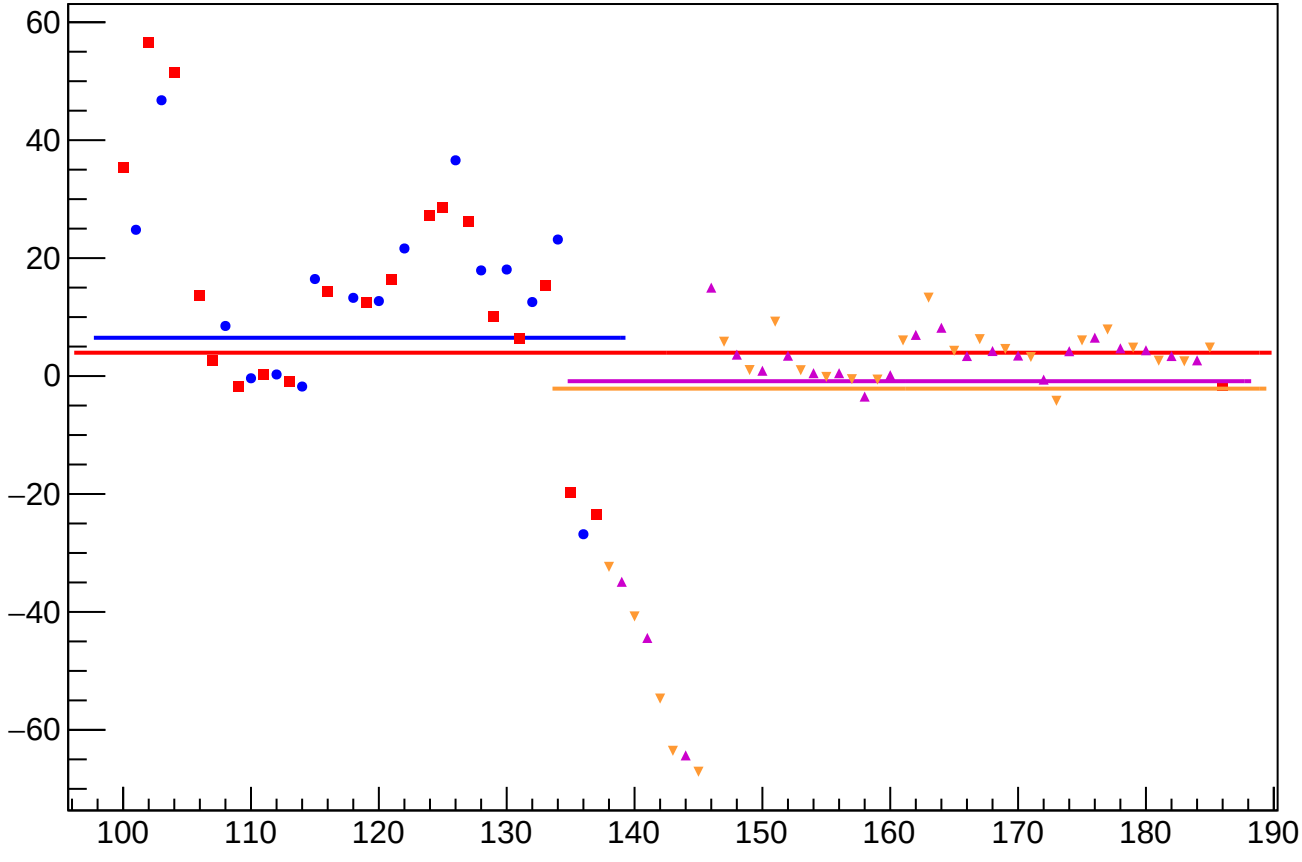
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.539+/-0.029 χ^2/NDF: 9778.7/40

All: 0.506+/-0.020 χ^2/NDF: 18633.7/83

- sign 0.476+/-0.027 χ^2/NDF: 8852.5/42

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: 3.959+/-0.055 χ^2/NDF: 76949.4/19

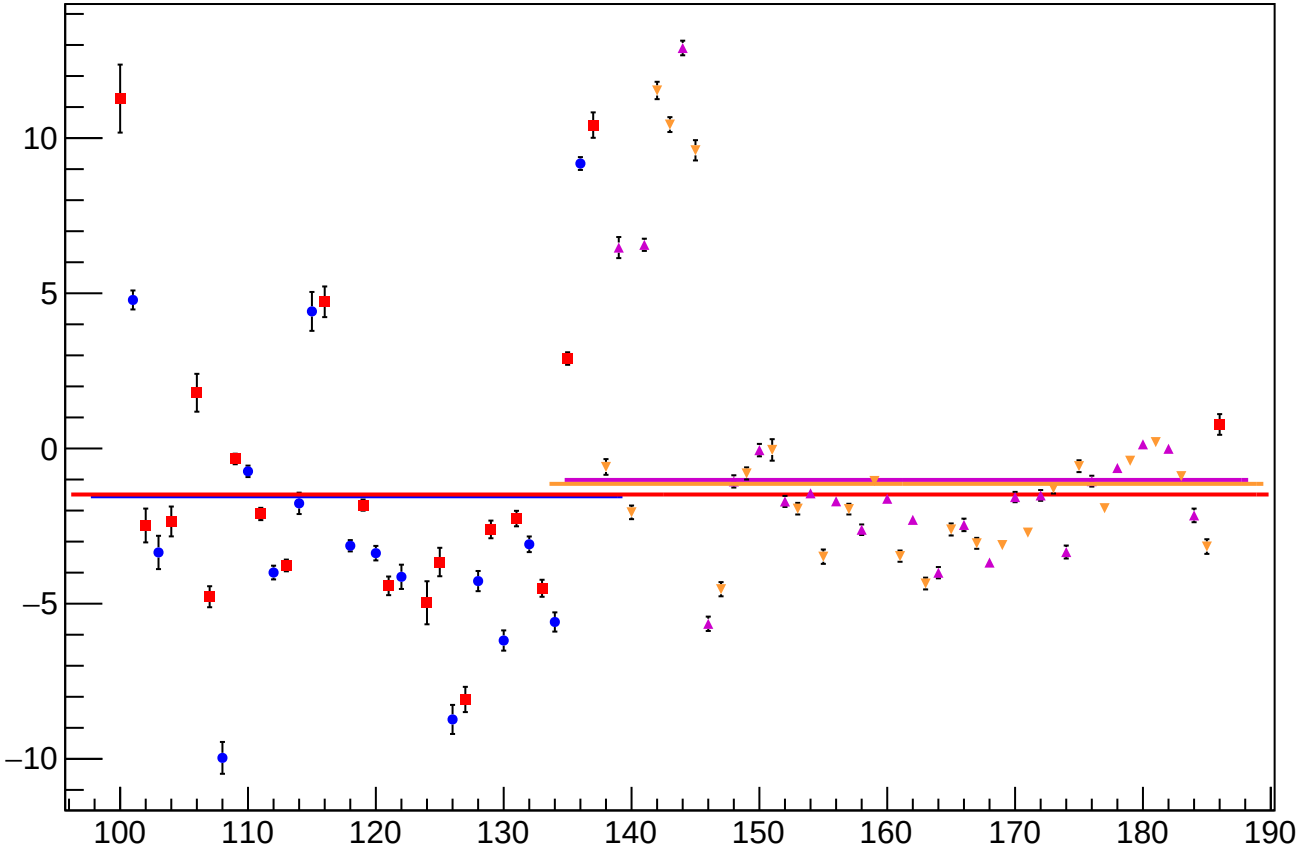
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign 0.249+/-0.034 χ^2/NDF: 254748.6/40

All: 0.527+/-0.023 χ^2/NDF: 466197.6/83

- sign 0.770+/-0.032 χ^2/NDF: 211325.4/42

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -1.483+/-0.063 χ^2/NDF: 2544.5/19

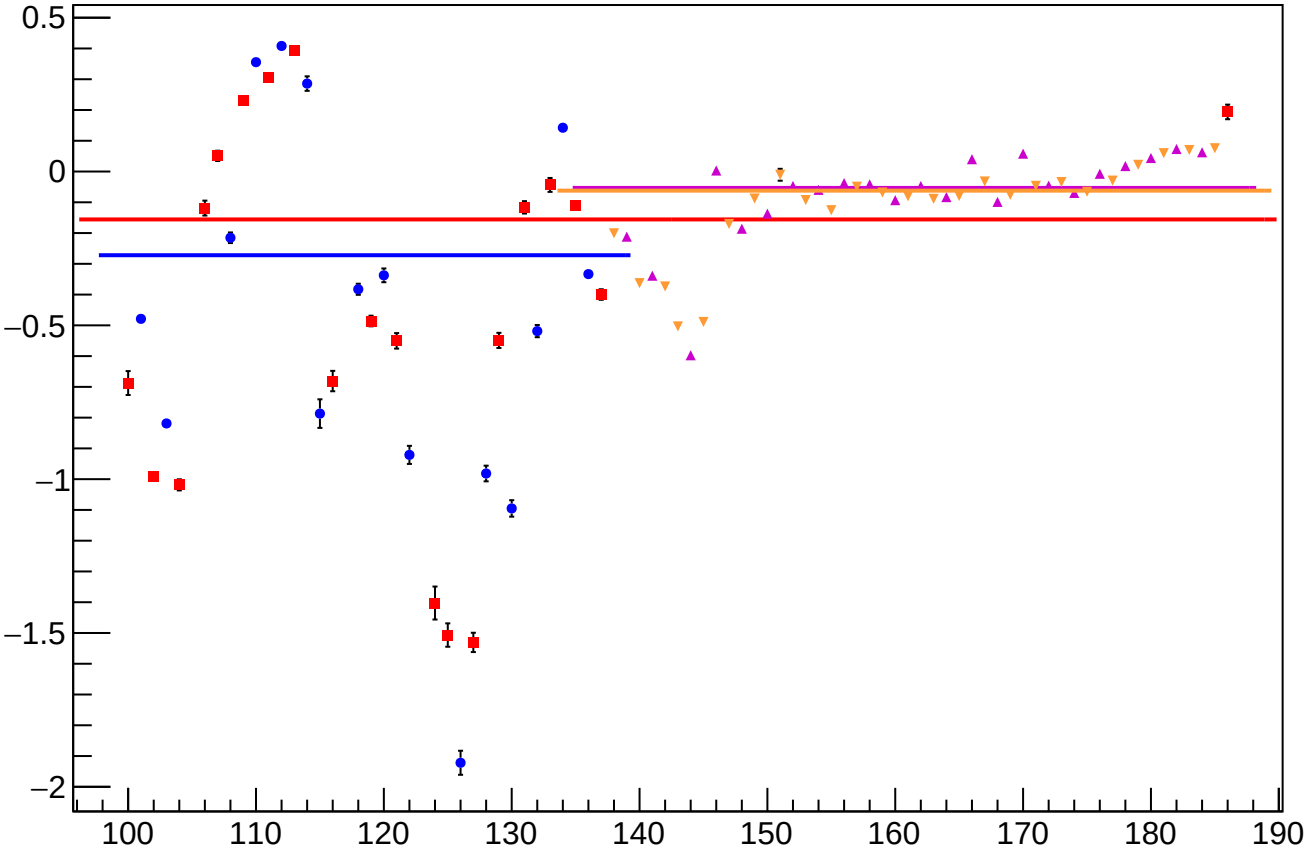
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.225+/-0.032 χ^2/NDF: 11584.8/40

All: -1.171+/-0.022 χ^2/NDF: 21204.0/83

- sign -1.122+/-0.031 χ^2/NDF: 9613.7/42

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

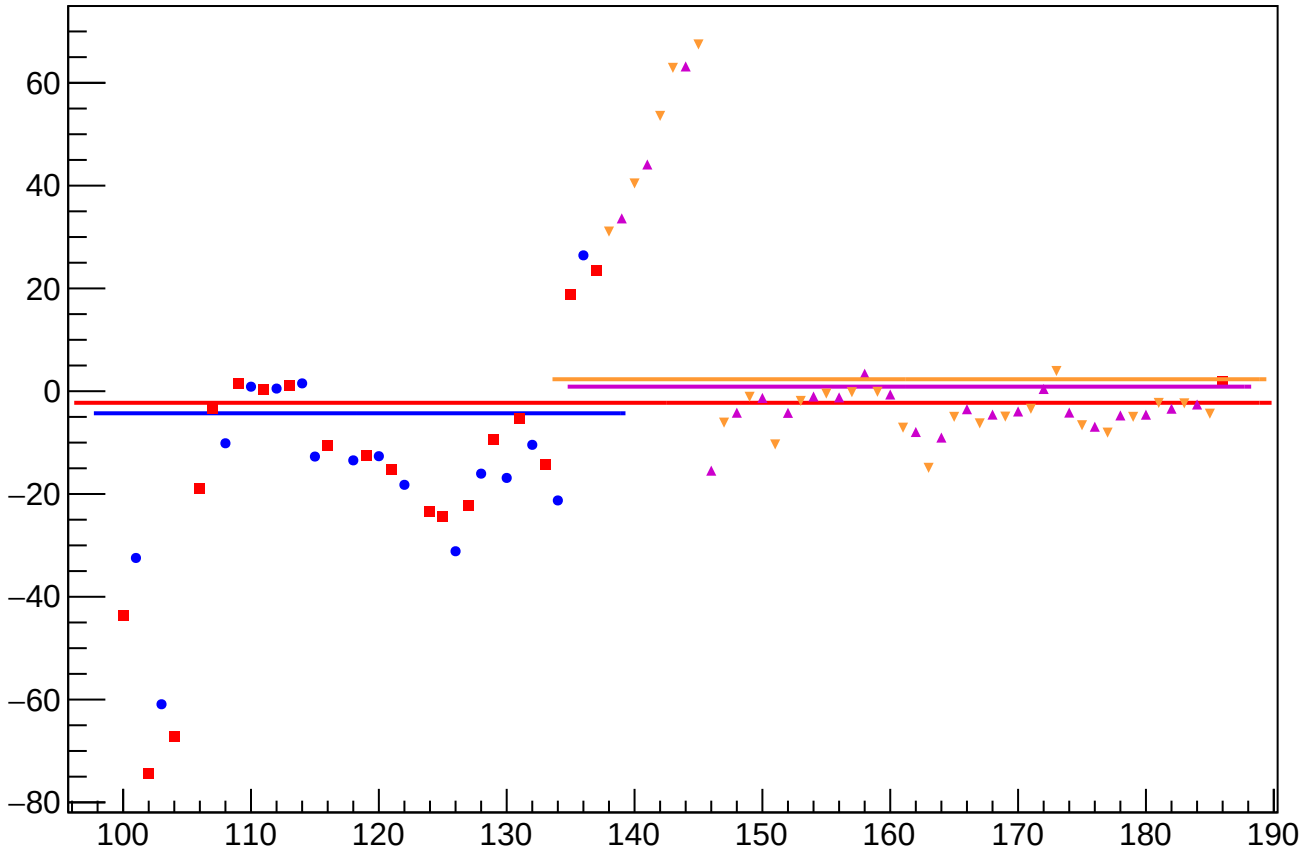
Right Out: -0.156+/-0.004 χ^2/NDF: 15712.8/19

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.089+/-0.001 χ^2/NDF: 20025.1/40

All: -0.077+/-0.001 χ^2/NDF: 41486.0/83

- sign -0.067+/-0.001 χ^2/NDF: 21349.0/42



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: -2.255+/-0.046 χ^2/NDF: 80412.3/19

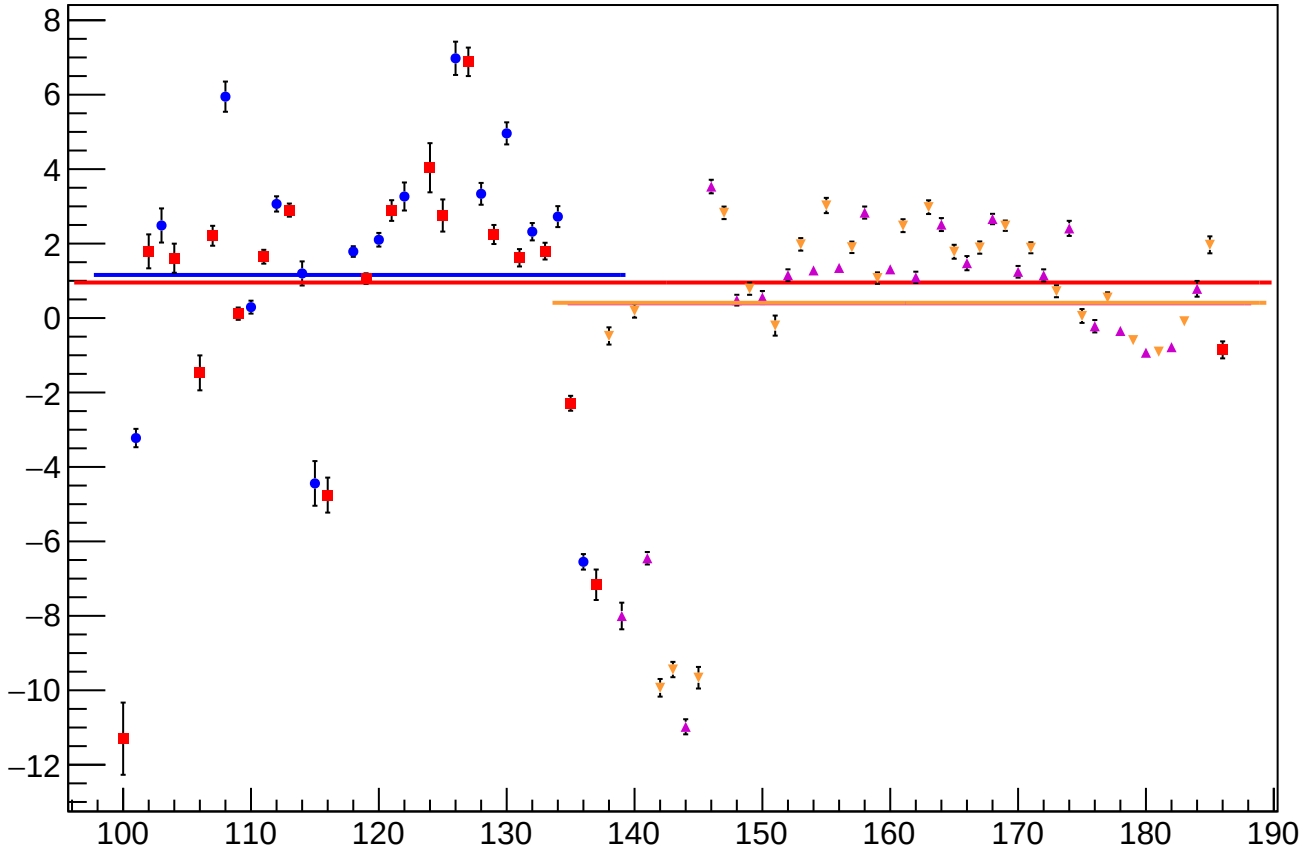
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign -0.003+/-0.033 χ^2/NDF: 258020.3/40

All: -0.274+/-0.022 χ^2/NDF: 471602.9/83

- 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+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.954+/-0.057 χ^2/NDF: 1618.3/19

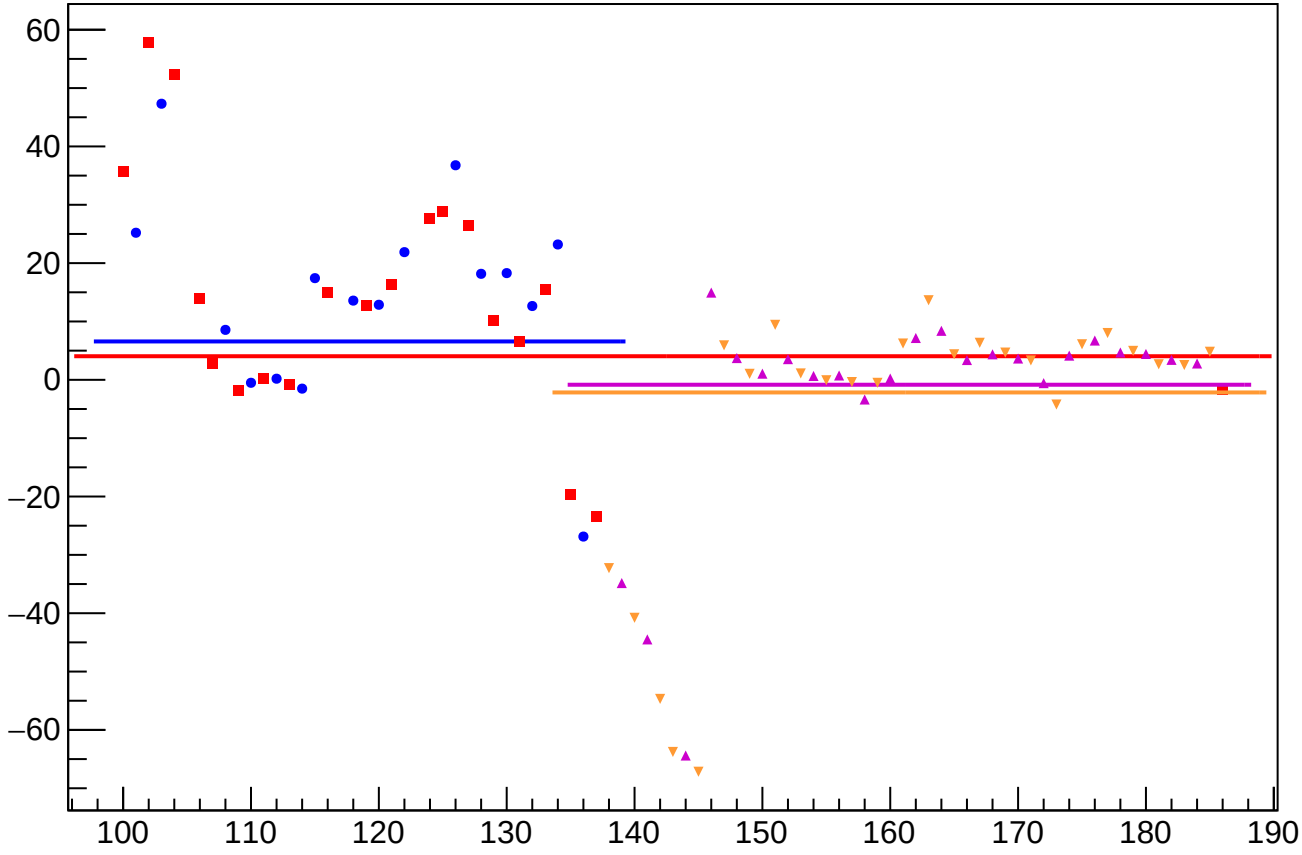
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.581+/-0.029 χ^2/NDF: 9711.9/40

All: 0.555+/-0.020 χ^2/NDF: 18337.2/83

- sign 0.532+/-0.028 χ^2/NDF: 8623.8/42

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: 4.044+/-0.056 χ^2/NDF: 76169.8/19

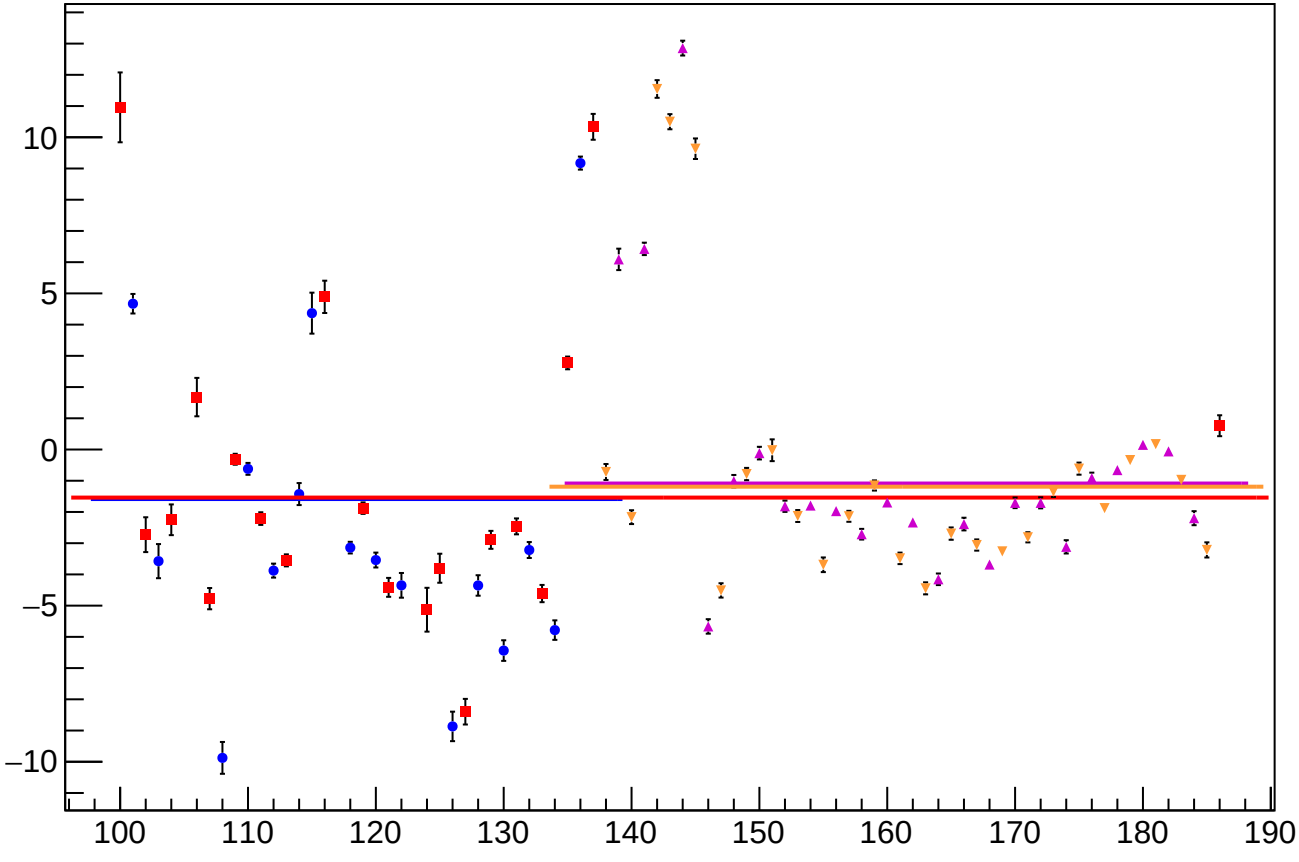
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign 0.255+/-0.035 χ^2/NDF: 251259.9/40

All: 0.558+/-0.024 χ^2/NDF: 459744.7/83

- sign 0.822+/-0.033 χ^2/NDF: 208343.8/42

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -1.539+/-0.065 χ^2/NDF: 2471.2/19

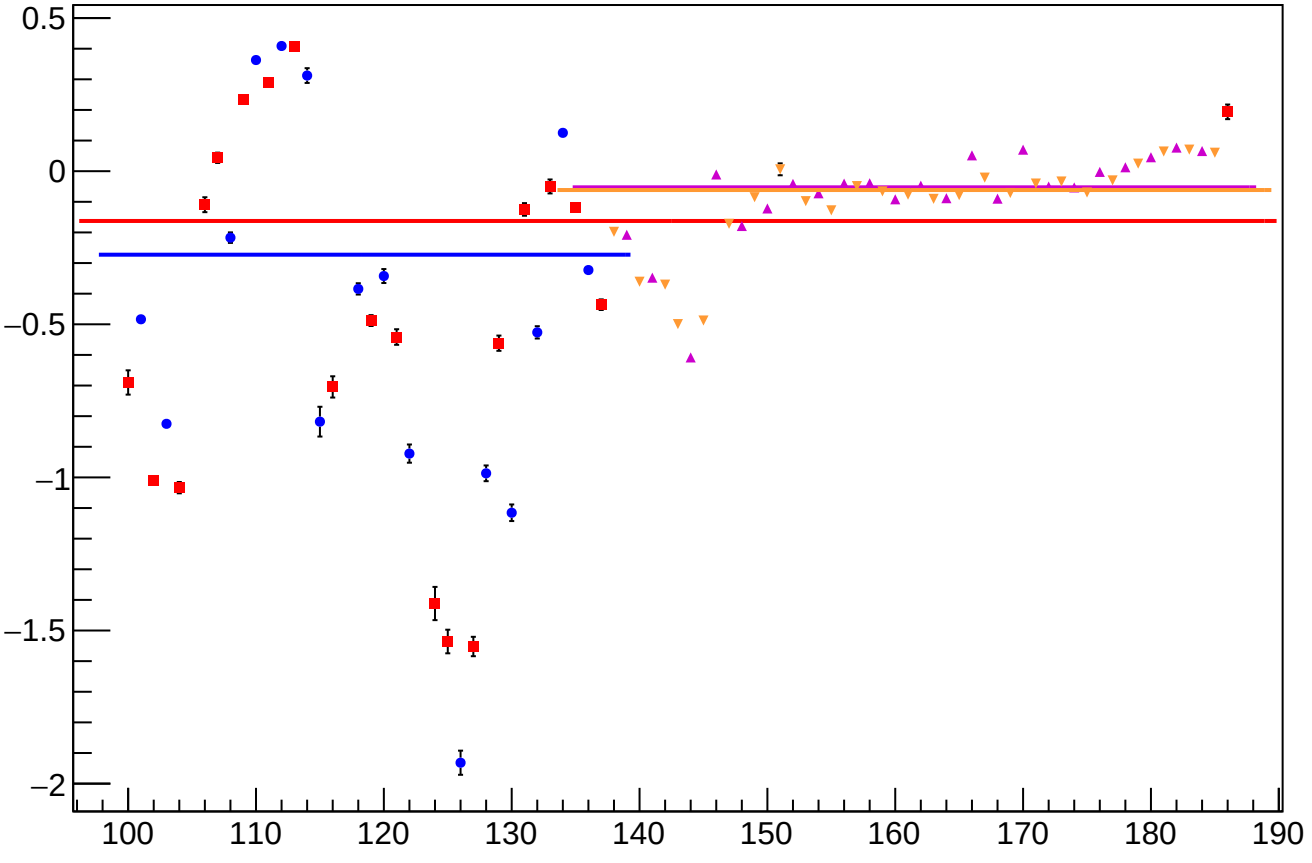
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.275+/-0.033 χ^2/NDF: 11493.0/40

All: -1.232+/-0.023 χ^2/NDF: 20845.5/83

- sign -1.194+/-0.031 χ^2/NDF: 9349.2/42

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

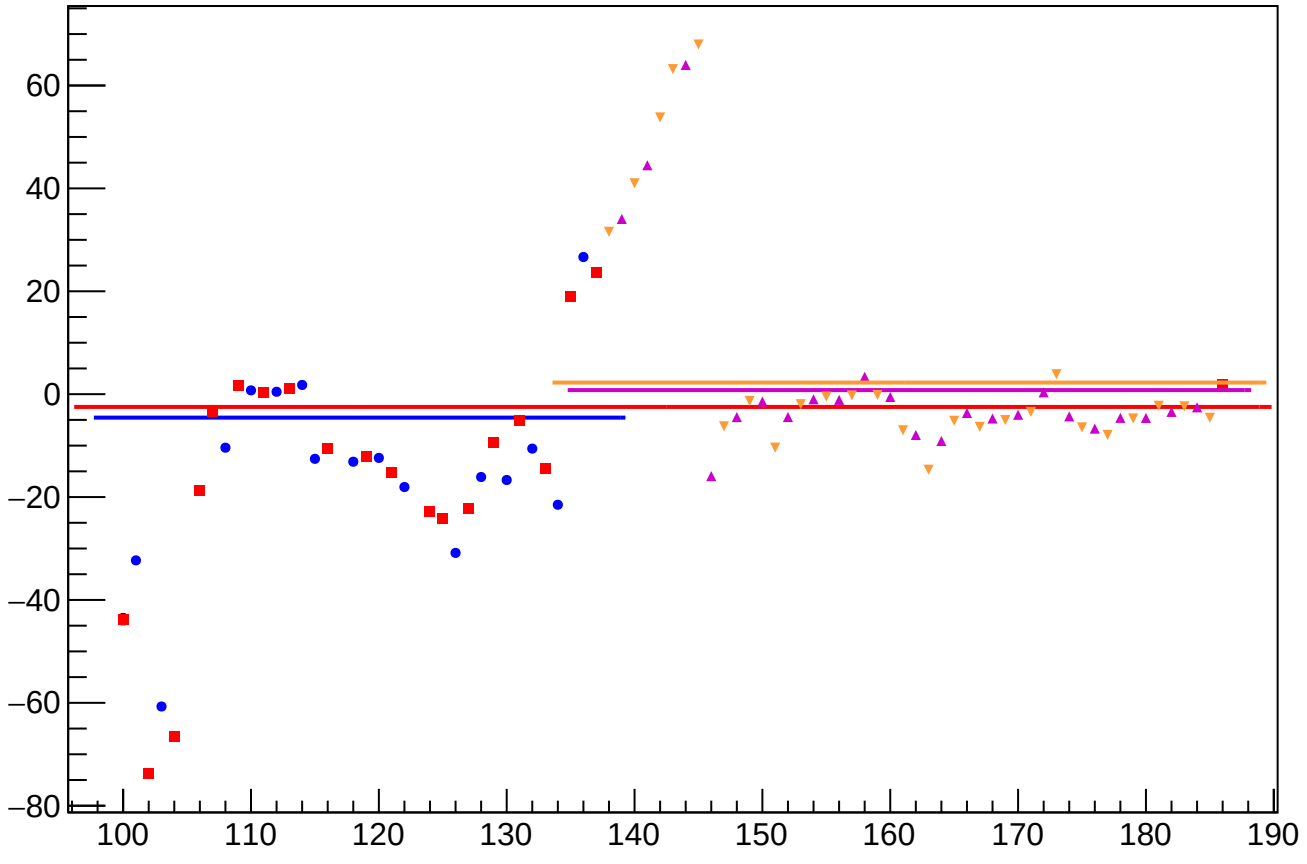
Right Out: -0.163+/-0.004 χ^2/NDF: 15550.9/19

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.089+/-0.002 χ^2/NDF: 19601.1/40

All: -0.078+/-0.001 χ^2/NDF: 41001.3/83

- sign -0.068+/-0.001 χ^2/NDF: 21300.8/42



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -2.481+/-0.047 χ^2/NDF: 78498.1/19

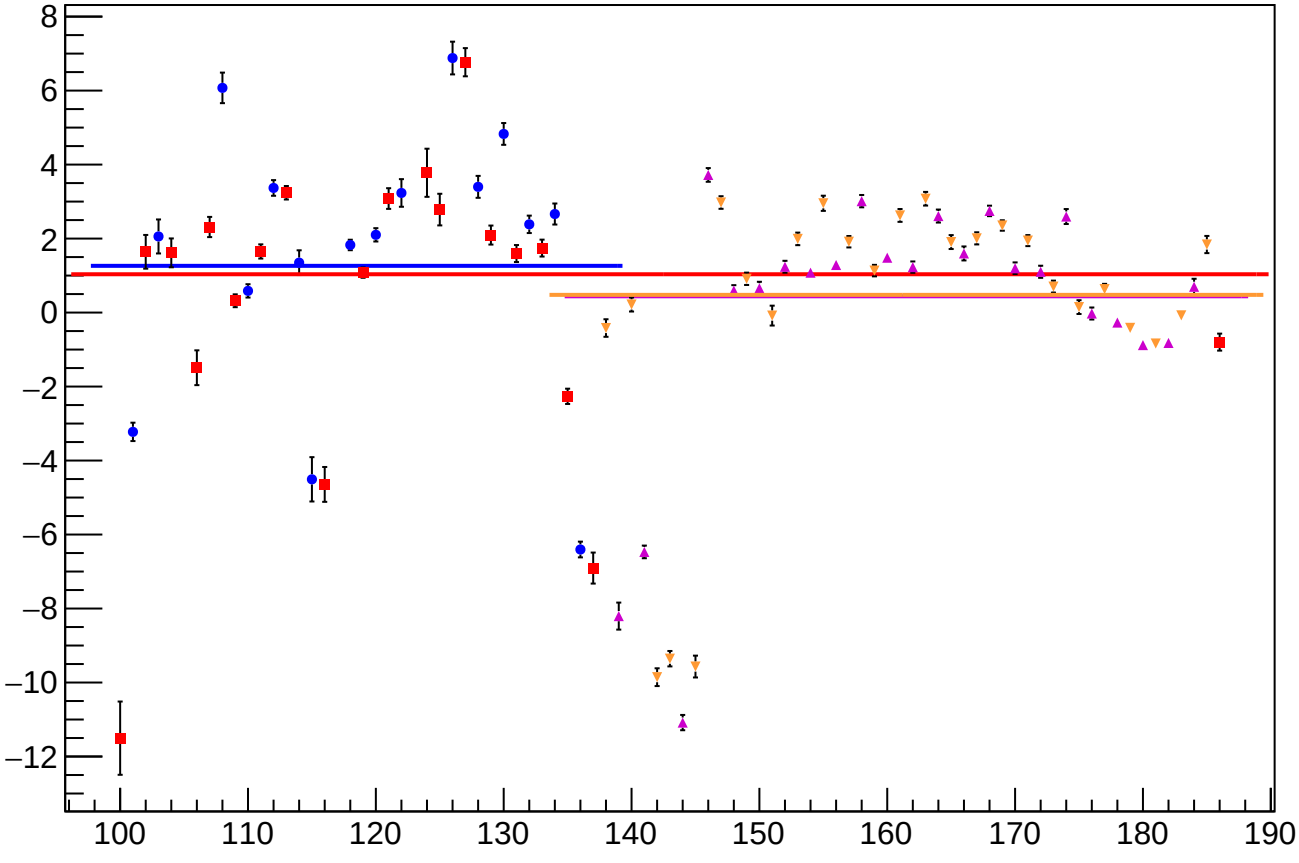
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign -0.116+/-0.034 χ^2/NDF: 253683.7/40

All: -0.393+/-0.023 χ^2/NDF: 463889.1/83

- sign -0.630+/-0.031 χ^2/NDF: 210078.2/42

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 1.036+/-0.057 χ^2/NDF: 1558.6/19

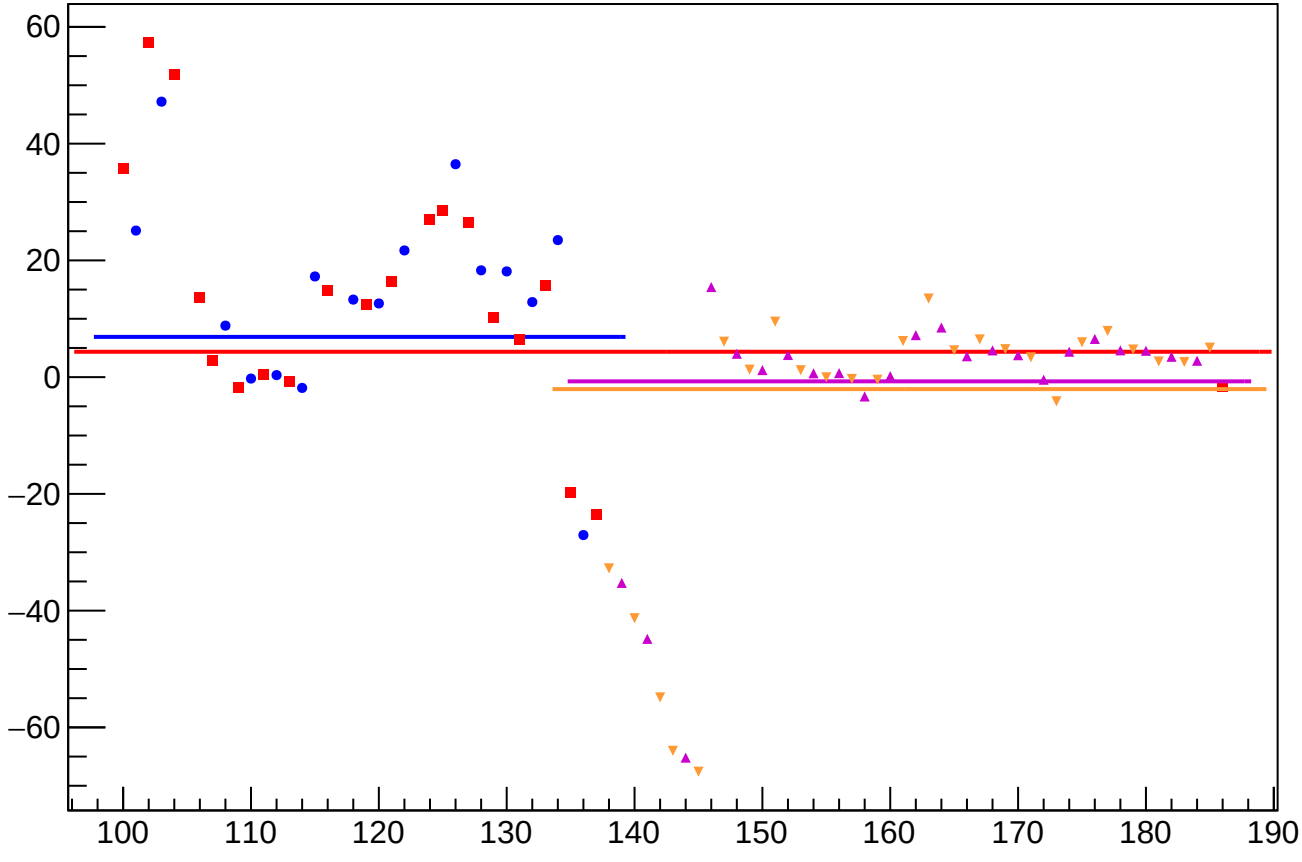
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.658+/-0.030 χ^2/NDF: 9375.3/40

All: 0.619+/-0.020 χ^2/NDF: 17912.9/83

- sign 0.584+/-0.028 χ^2/NDF: 8534.4/42

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: 4.348+/-0.057 χ^2/NDF: 74123.9/19

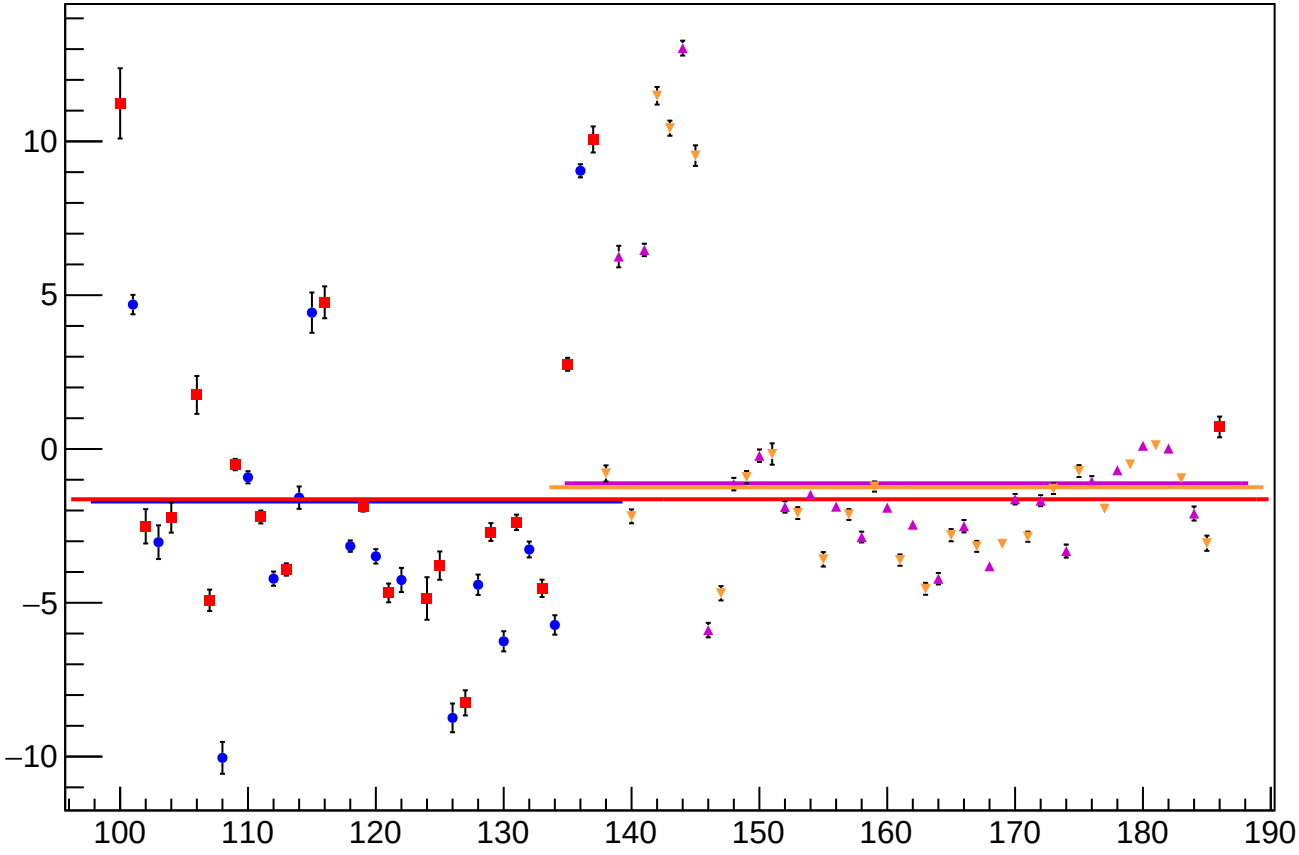
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign 0.407+/-0.035 χ^2/NDF: 246847.6/40

All: 0.716+/-0.024 χ^2/NDF: 451901.6/83

- sign 0.987+/-0.033 χ^2/NDF: 204910.1/42

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -1.635+/-0.066 χ^2/NDF: 2360.2/19

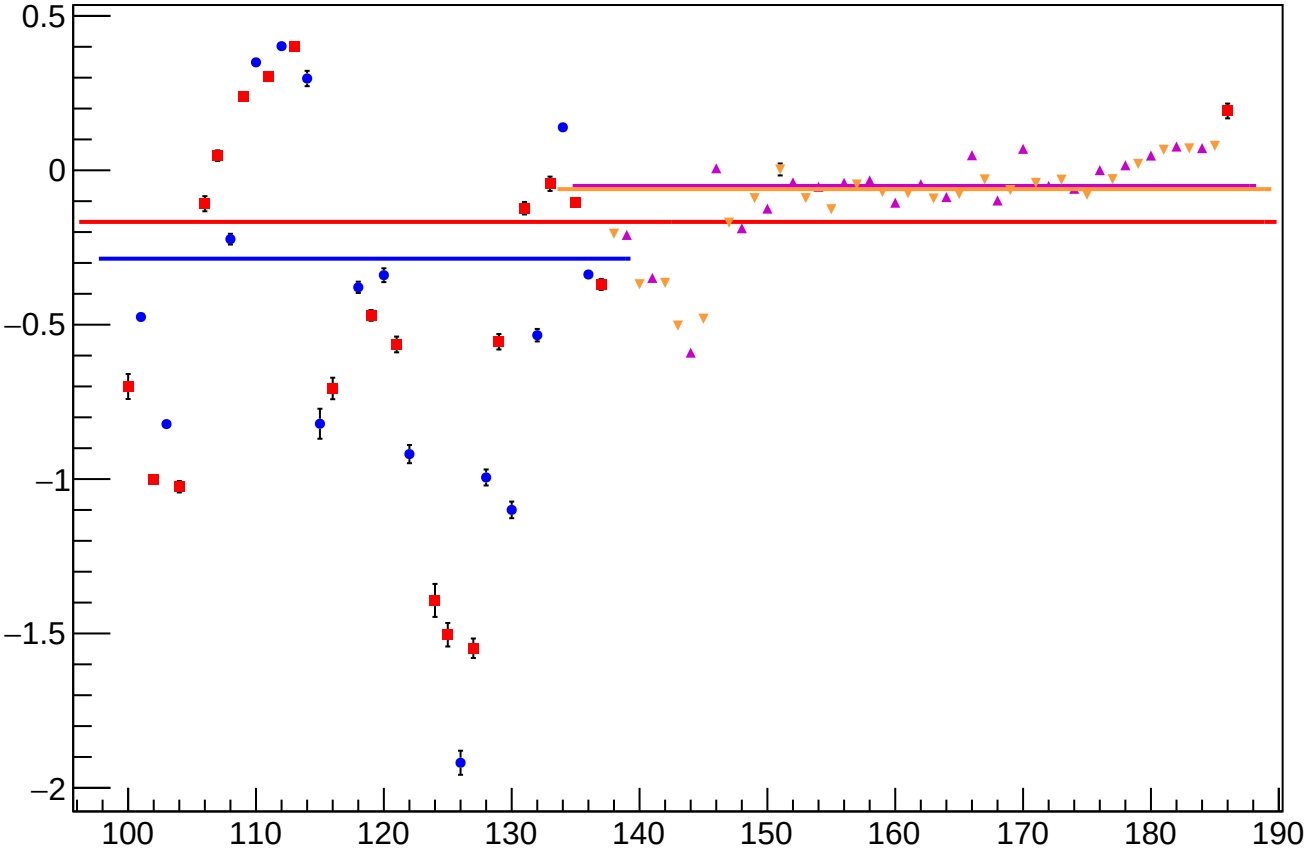
Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

\+ sign -1.343+/-0.033 χ^2/NDF: 11091.5/40

All: -1.287+/-0.023 χ^2/NDF: 20345.4/83

\- sign -1.236+/-0.032 χ^2/NDF: 9248.4/42

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

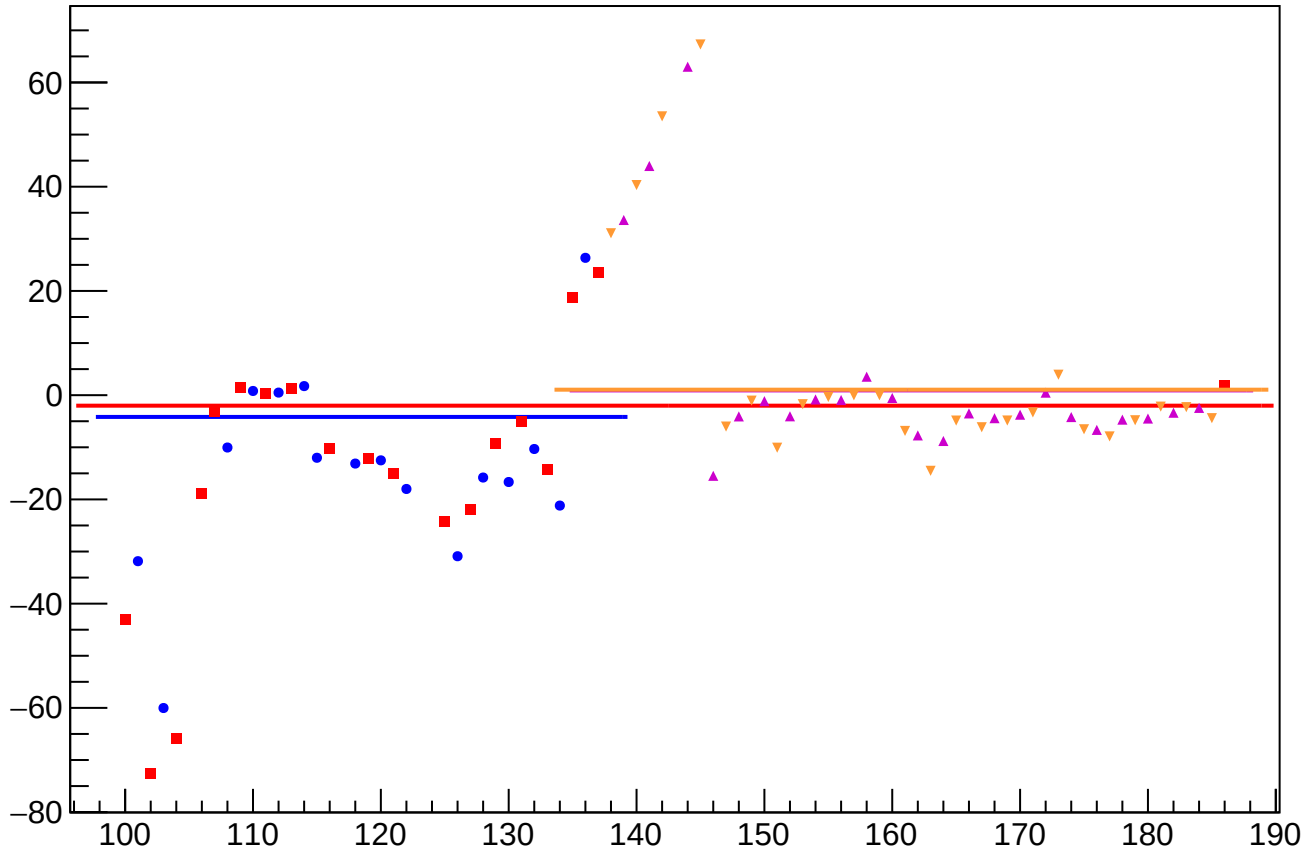
Right Out: -0.167+/-0.004 χ^2/NDF: 14998.4/19

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.090+/-0.002 χ^2/NDF: 19259.0/40

All: -0.077+/-0.001 χ^2/NDF: 40027.1/83

- sign -0.067+/-0.001 χ^2/NDF: 20647.6/42



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

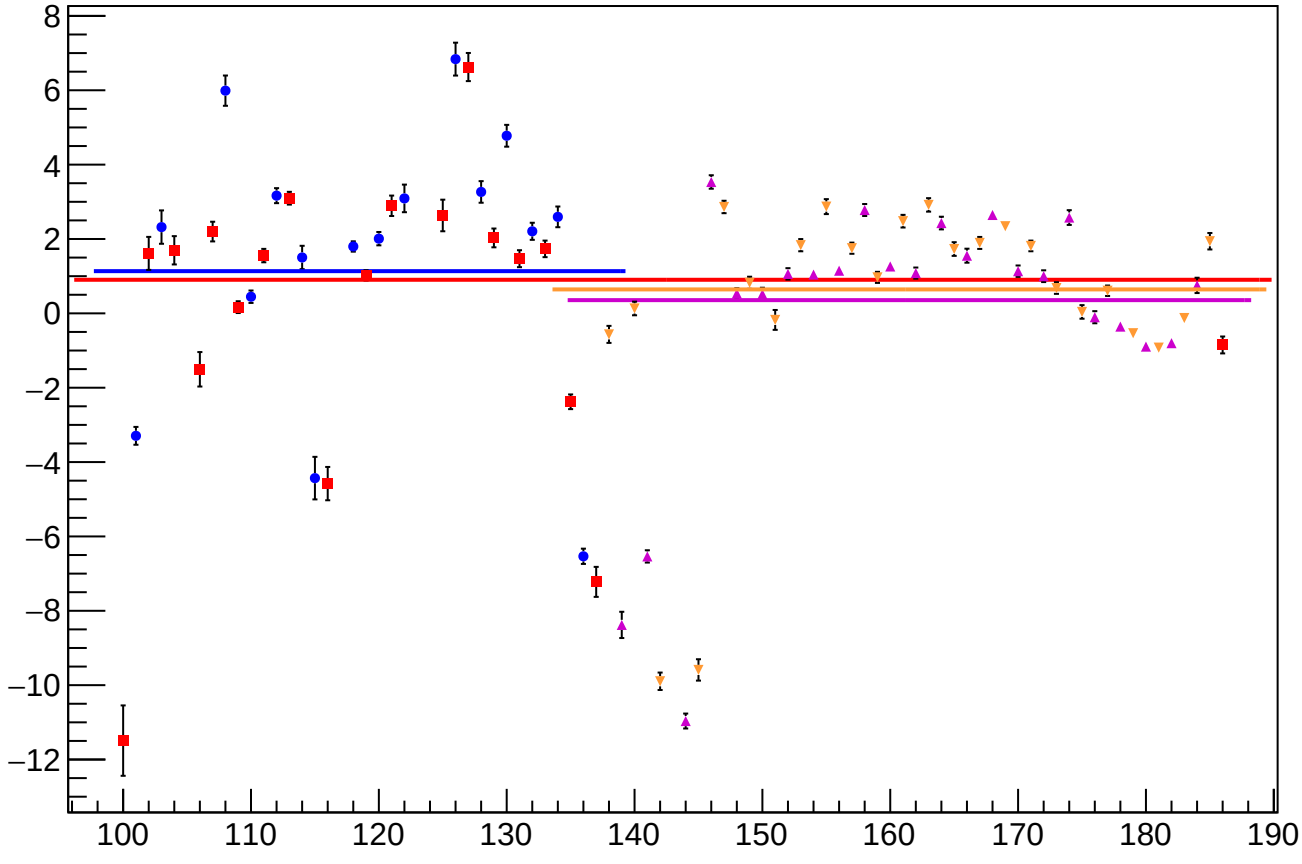
Right Out: -2.014+/-0.045 χ^2/NDF: 80109.6/18

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign -0.812+/-0.033 χ^2/NDF: 212350.1/39

All: -0.579+/-0.022 χ^2/NDF: 427755.0/81

- sign -0.384+/-0.030 χ^2/NDF: 215310.3/41



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

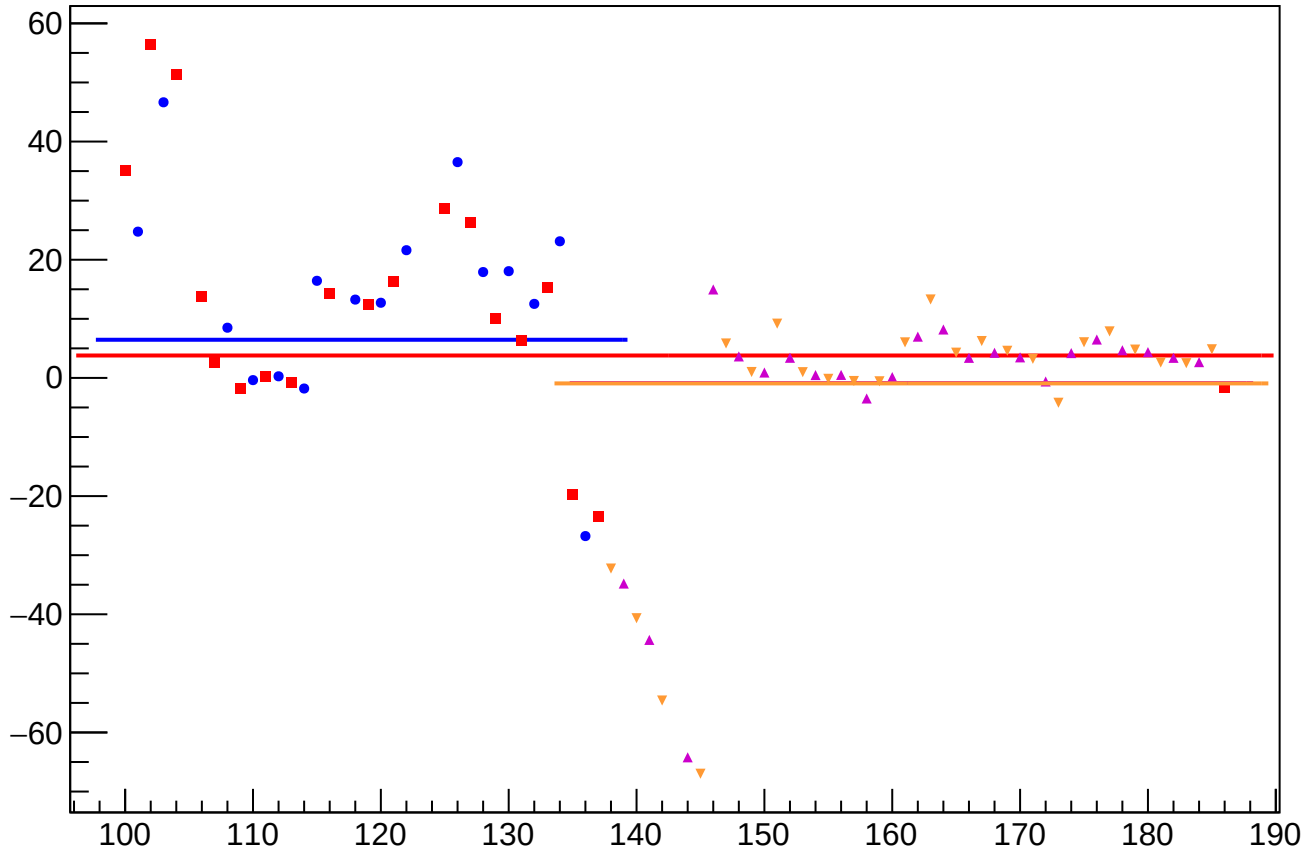
Right Out: 0.903+/-0.055 χ^2/NDF: 1656.3/18

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.758+/-0.029 χ^2/NDF: 7357.8/39

All: 0.615+/-0.020 χ^2/NDF: 16251.2/81

- sign 0.488+/-0.027 χ^2/NDF: 8847.2/41



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

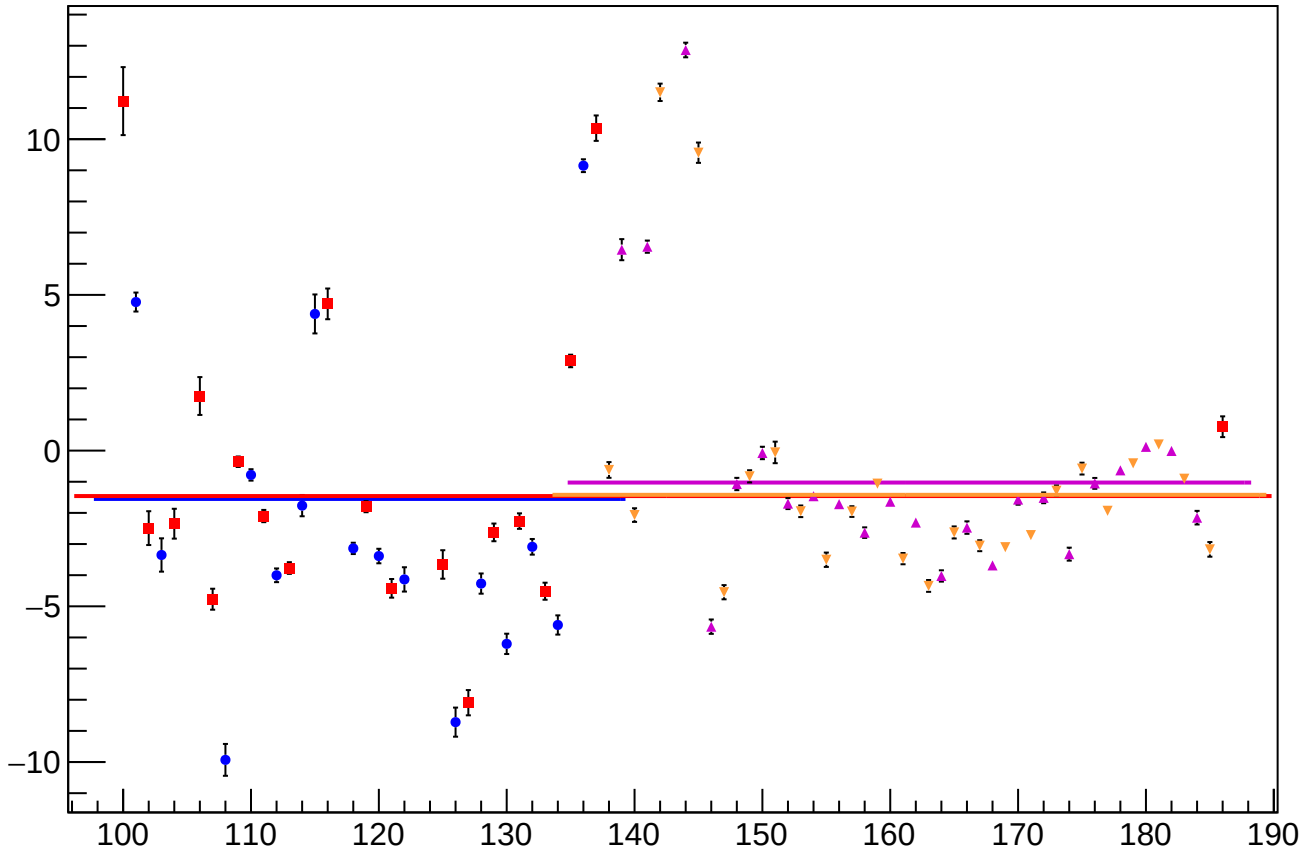
Right Out: 3.795+/-0.055 χ^2/NDF: 76005.7/18

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign 1.141+/-0.034 χ^2/NDF: 206477.6/39

All: 0.913+/-0.023 χ^2/NDF: 416821.6/81

- sign 0.717+/-0.032 χ^2/NDF: 210262.4/41



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

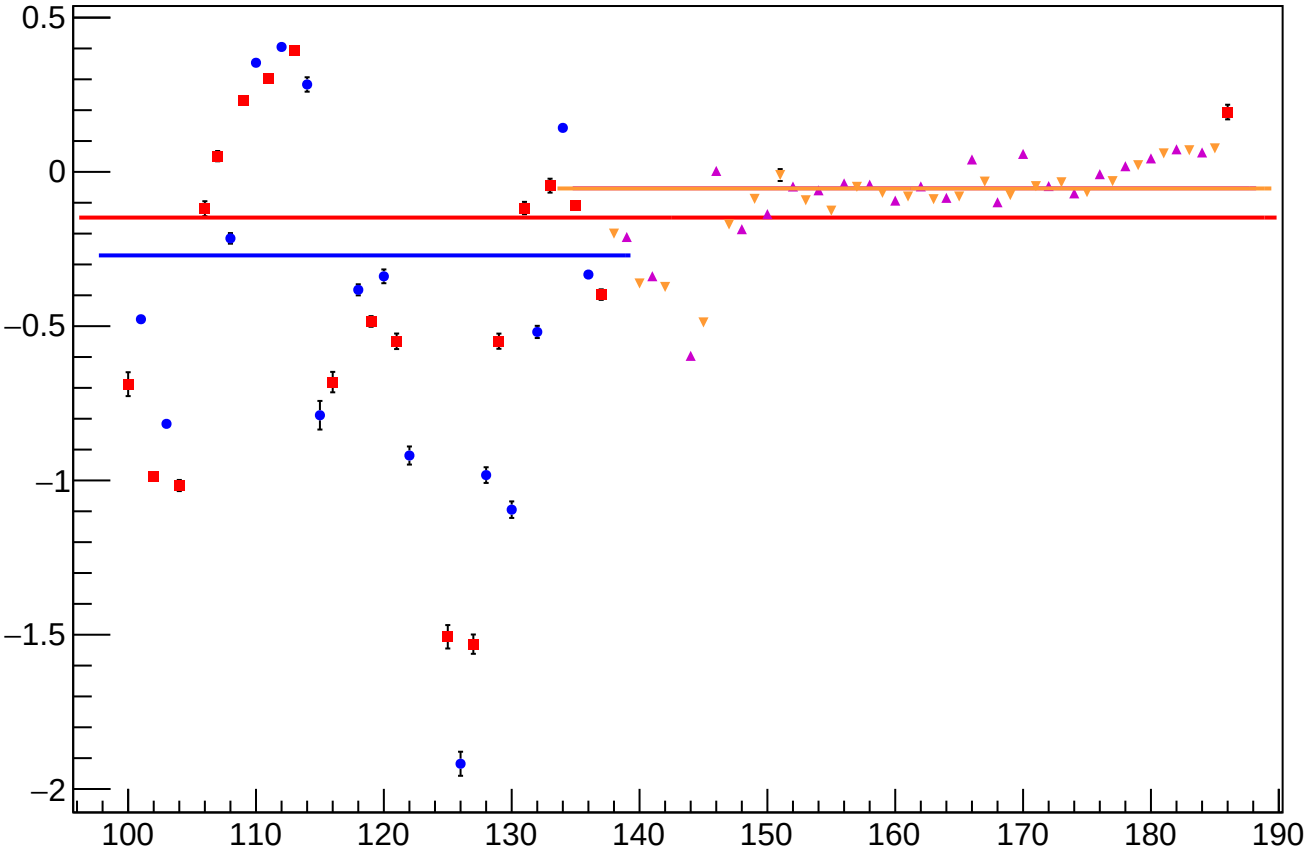
Right Out: -1.460+/-0.063 χ^2/NDF: 2519.3/18

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.449+/-0.032 χ^2/NDF: 9188.4/39

All: -1.277+/-0.022 χ^2/NDF: 18843.4/81

- sign -1.126+/-0.030 χ^2/NDF: 9602.3/41



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

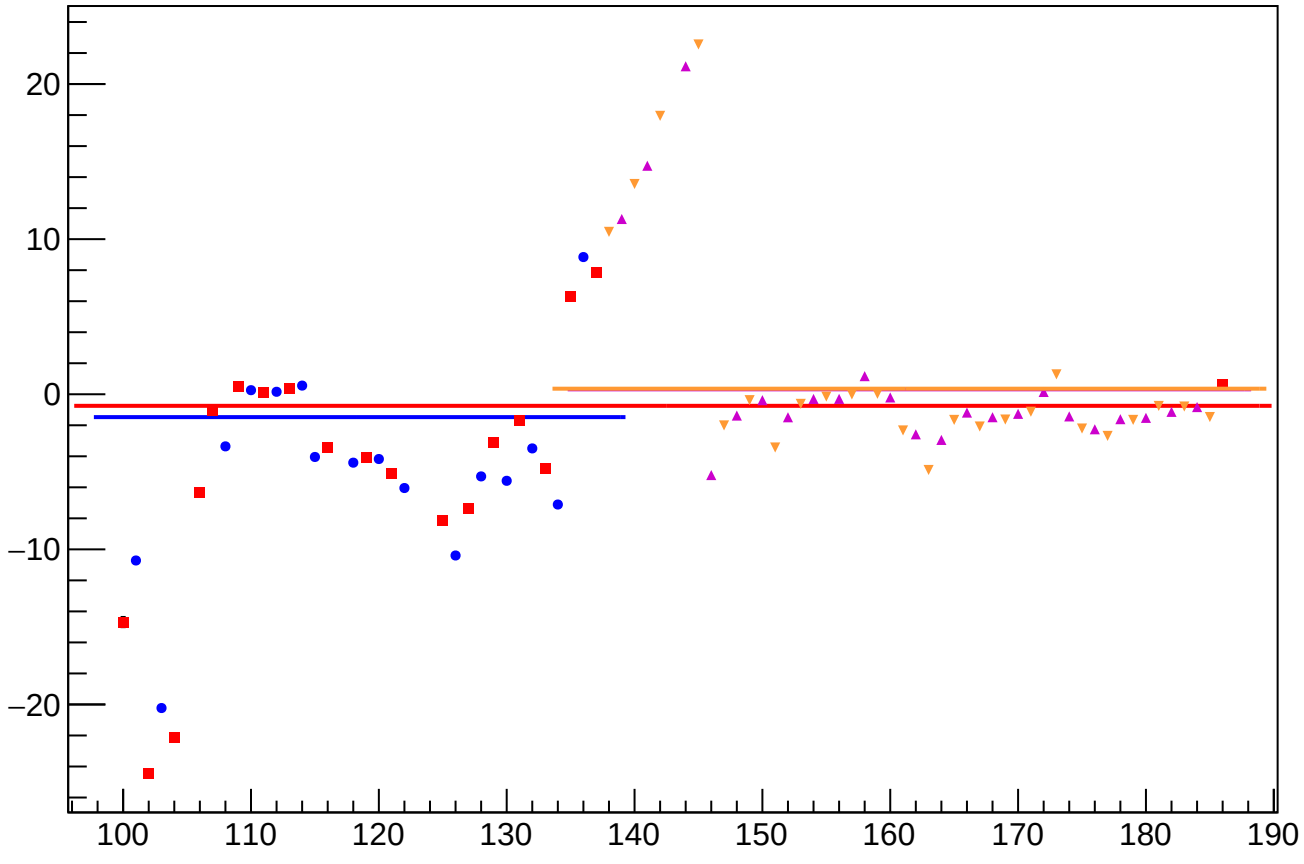
Right Out: -0.148+/-0.004 χ^2/NDF: 15231.9/18

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.082+/-0.001 χ^2/NDF: 18826.2/39

All: -0.073+/-0.001 χ^2/NDF: 39681.4/81

- sign -0.066+/-0.001 χ^2/NDF: 20796.0/41



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: -0.746+/-0.016 χ^2/NDF: 78532.1/18

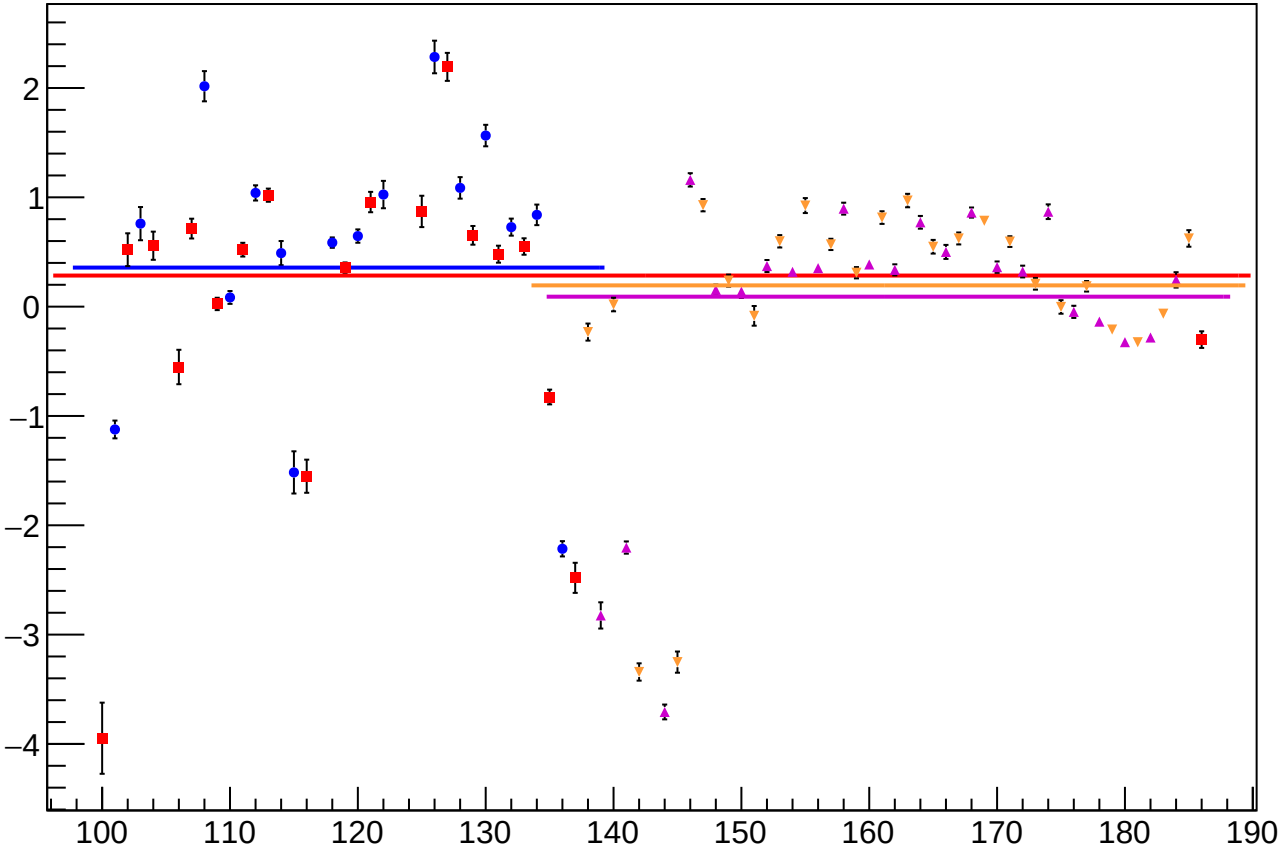
Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign -0.290+/-0.011 χ^2/NDF: 208732.4/39

All: -0.212+/-0.008 χ^2/NDF: 420228.3/81

- sign -0.146+/-0.010 χ^2/NDF: 211406.4/41

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

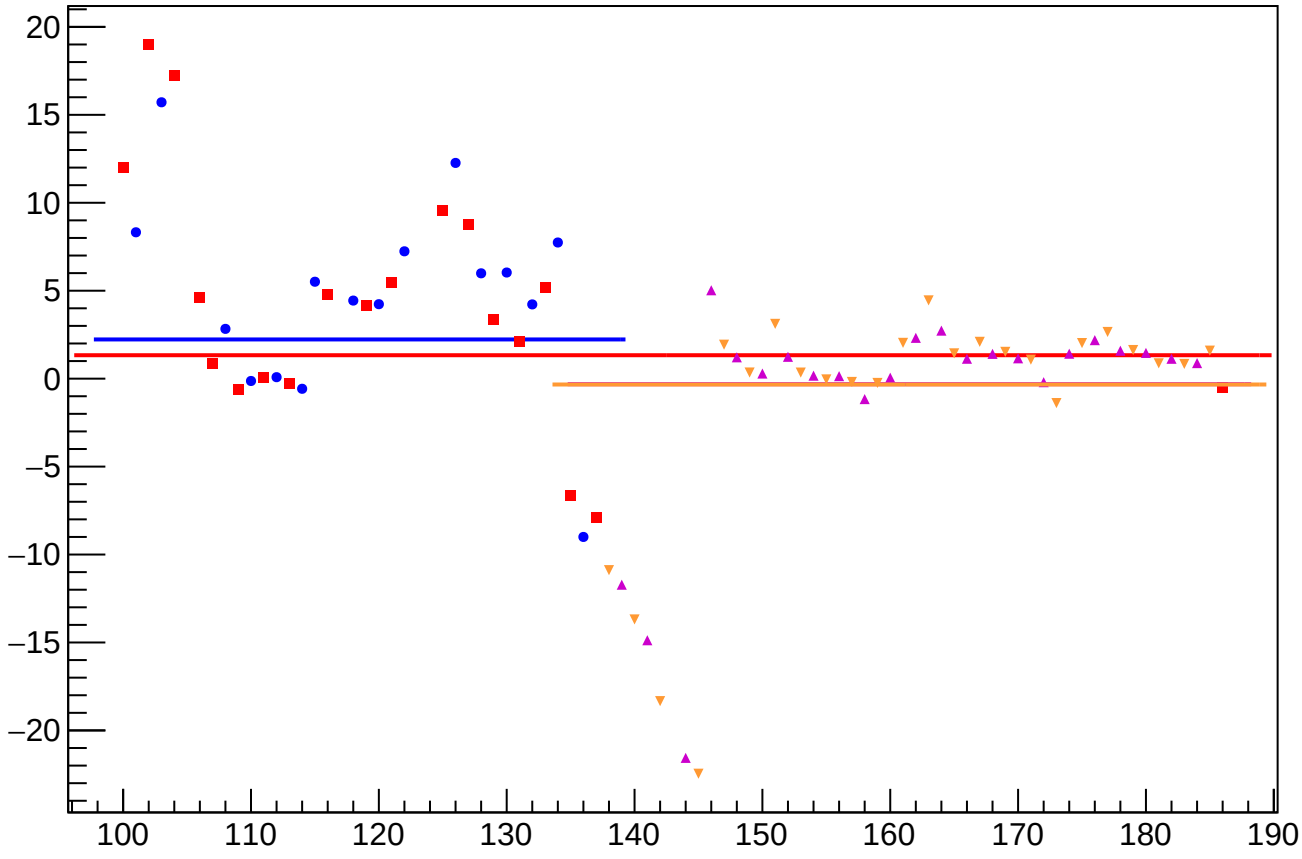
Right Out: 0.284+/-0.019 χ^2/NDF: 1622.4/18

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.232+/-0.010 χ^2/NDF: 7236.0/39

All: 0.182+/-0.007 χ^2/NDF: 15920.8/81

- sign 0.138+/-0.009 χ^2/NDF: 8636.7/41



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

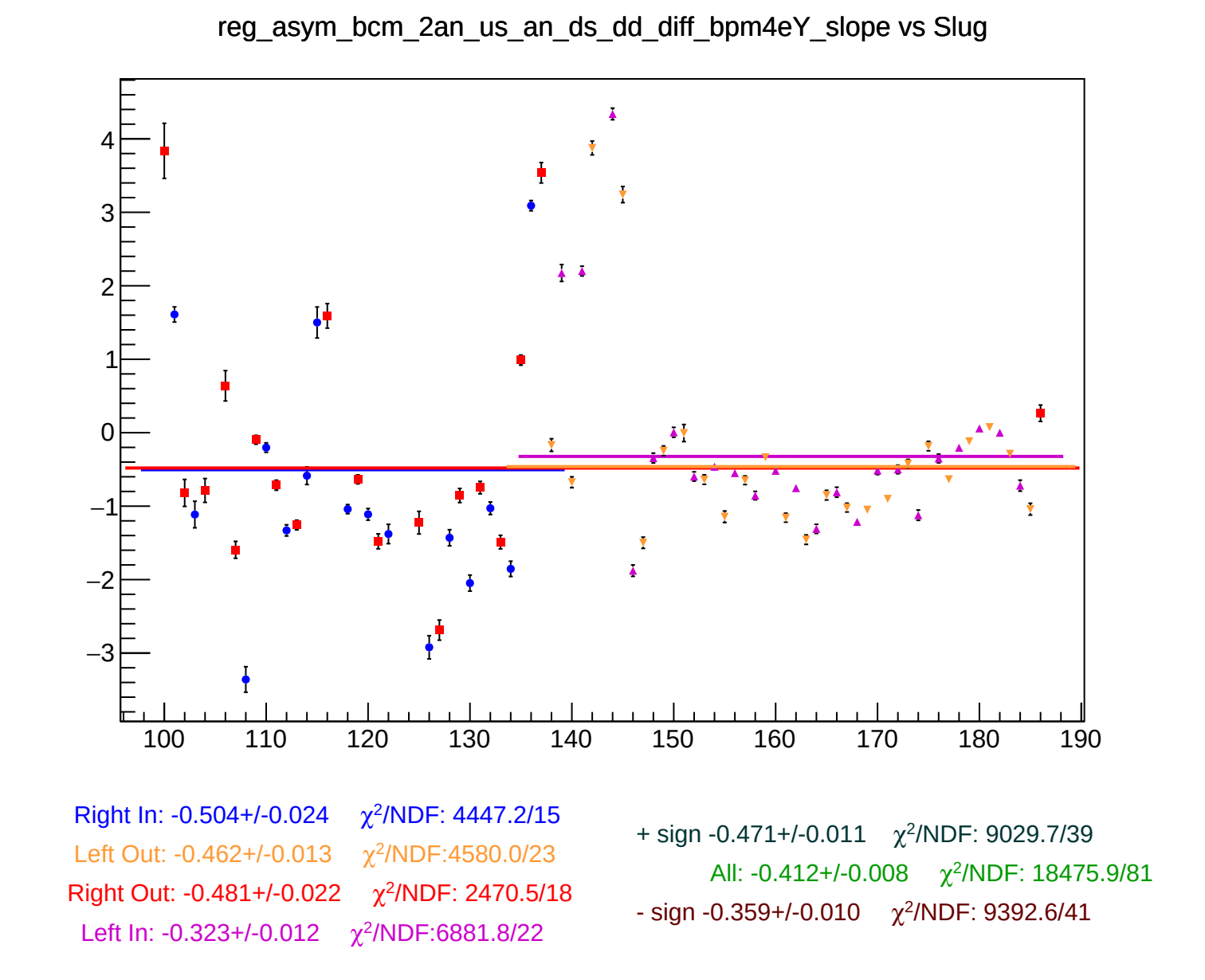
Right Out: 1.333+/-0.019 χ^2/NDF: 74492.2/18

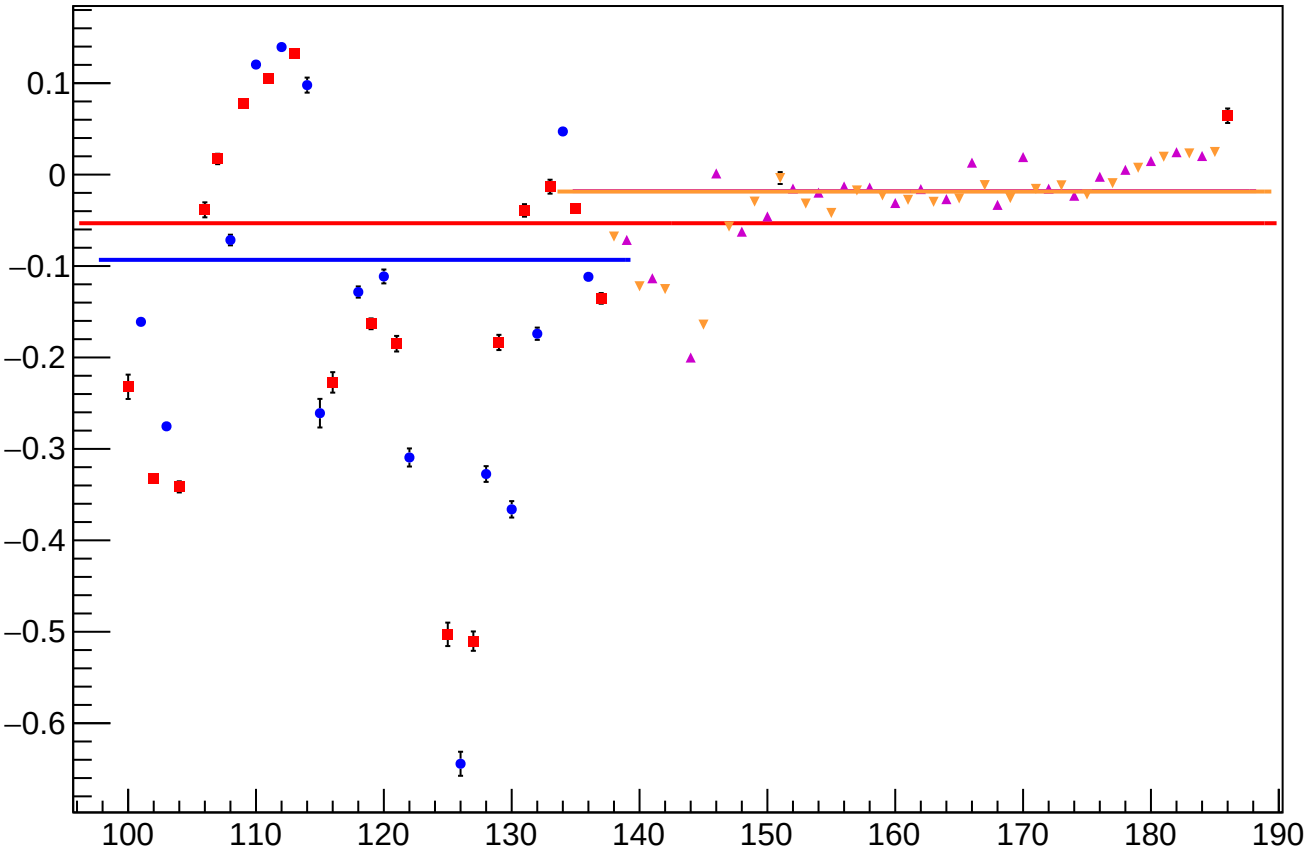
Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign 0.383+/-0.012 χ^2/NDF: 202965.8/39

All: 0.307+/-0.008 χ^2/NDF: 409582.9/81

- sign 0.241+/-0.011 χ^2/NDF: 206538.7/41


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.504+/-0.024 χ²/NDF: 4447.2/15
Left Out: -0.462+/-0.013 χ²/NDF:4580.0/23
Right Out: -0.481+/-0.022 χ²/NDF: 2470.5/18
Left In: -0.323+/-0.012 χ²/NDF:6881.8/22
+ sign -0.471+/-0.011 χ²/NDF: 9029.7/39
All: -0.412+/-0.008 χ²/NDF: 18475.9/81
- sign -0.359+/-0.010 χ²/NDF: 9392.6/41



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

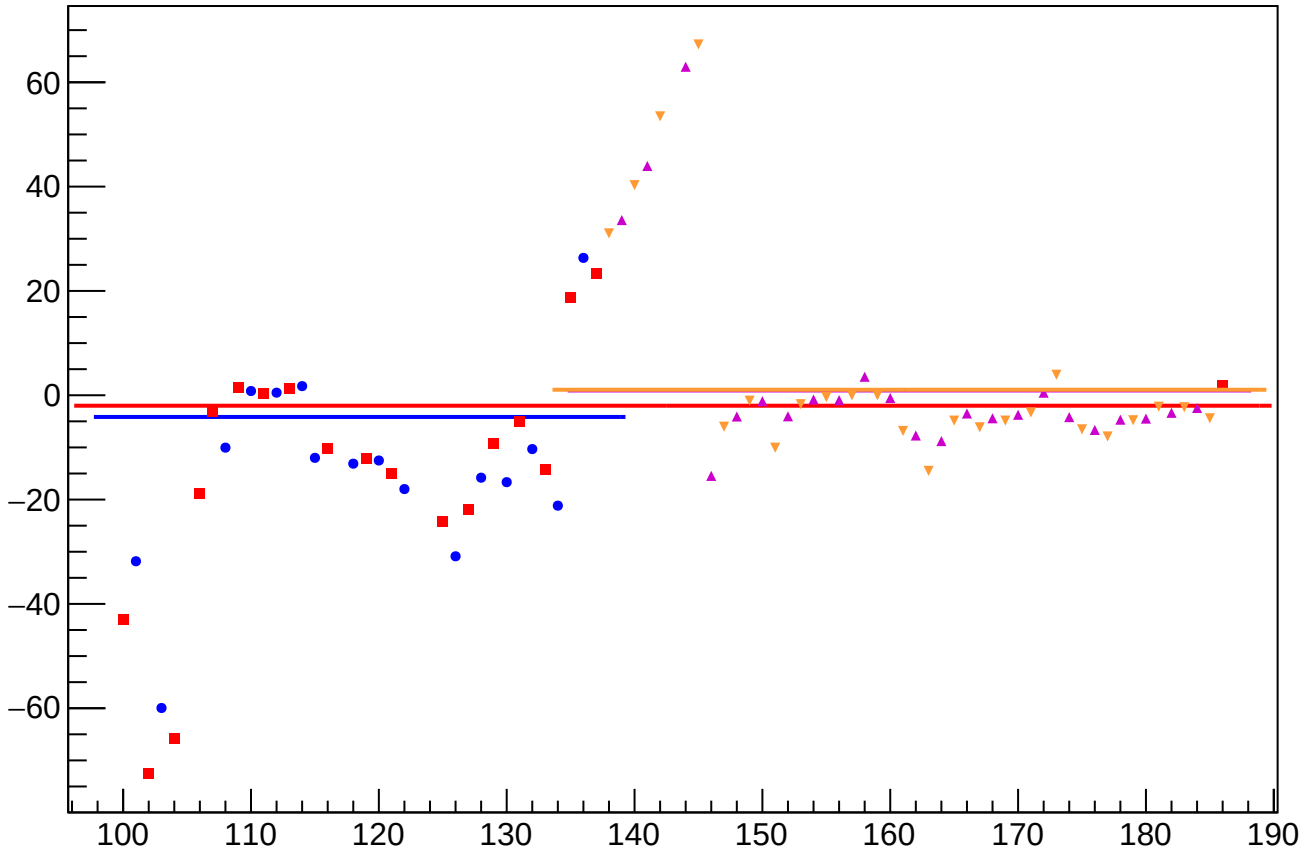
Right Out: -0.053+/-0.001 χ^2/NDF: 14682.7/18

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.028+/-0.001 χ^2/NDF: 18398.5/39

All: -0.025+/-0.000 χ^2/NDF: 38664.0/81

- sign -0.023+/-0.000 χ^2/NDF: 20205.2/41



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

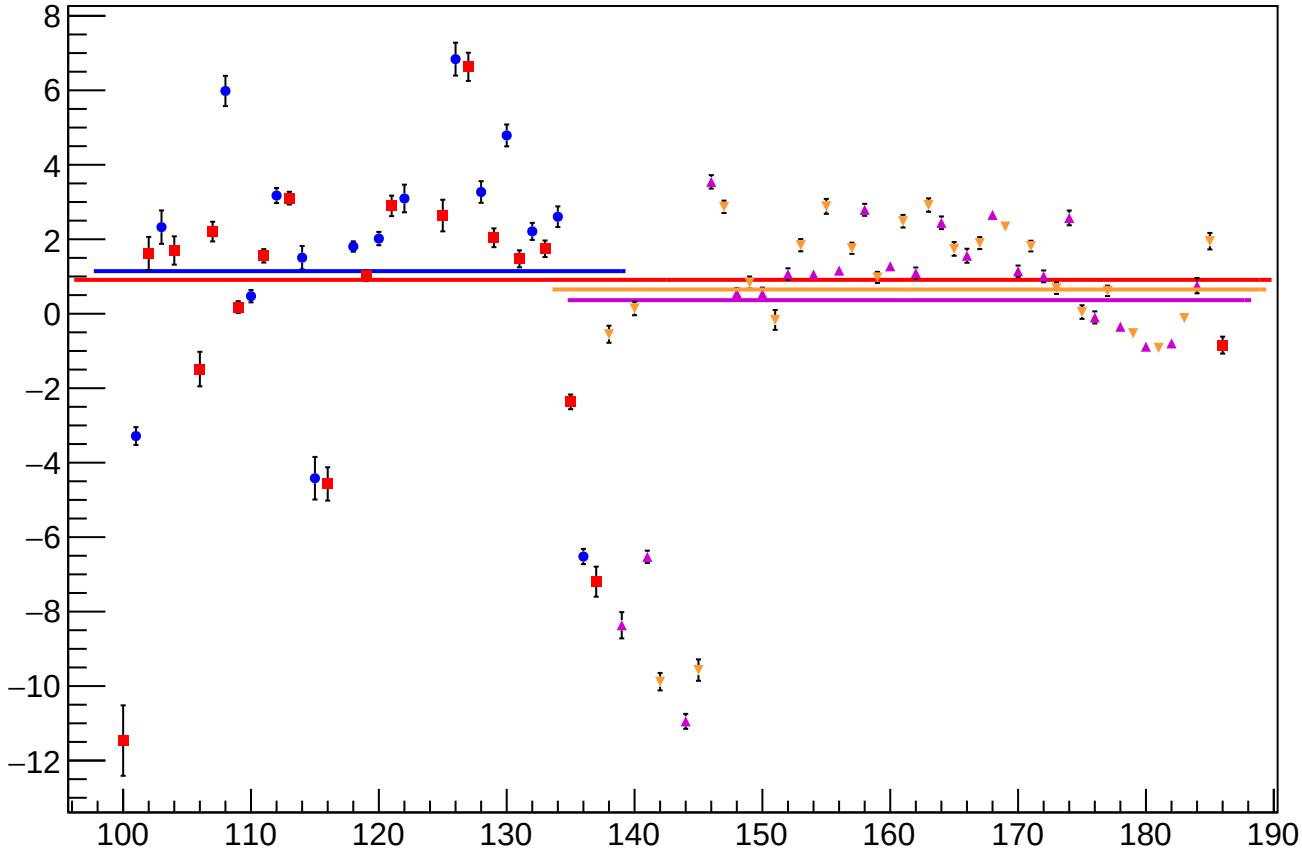
Right Out: -2.005+/-0.045 χ^2/NDF: 80122.8/18

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign -0.806+/-0.032 χ^2/NDF: 212346.6/39

All: -0.573+/-0.022 χ^2/NDF: 427768.3/81

- sign -0.379+/-0.030 χ^2/NDF: 215327.7/41



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

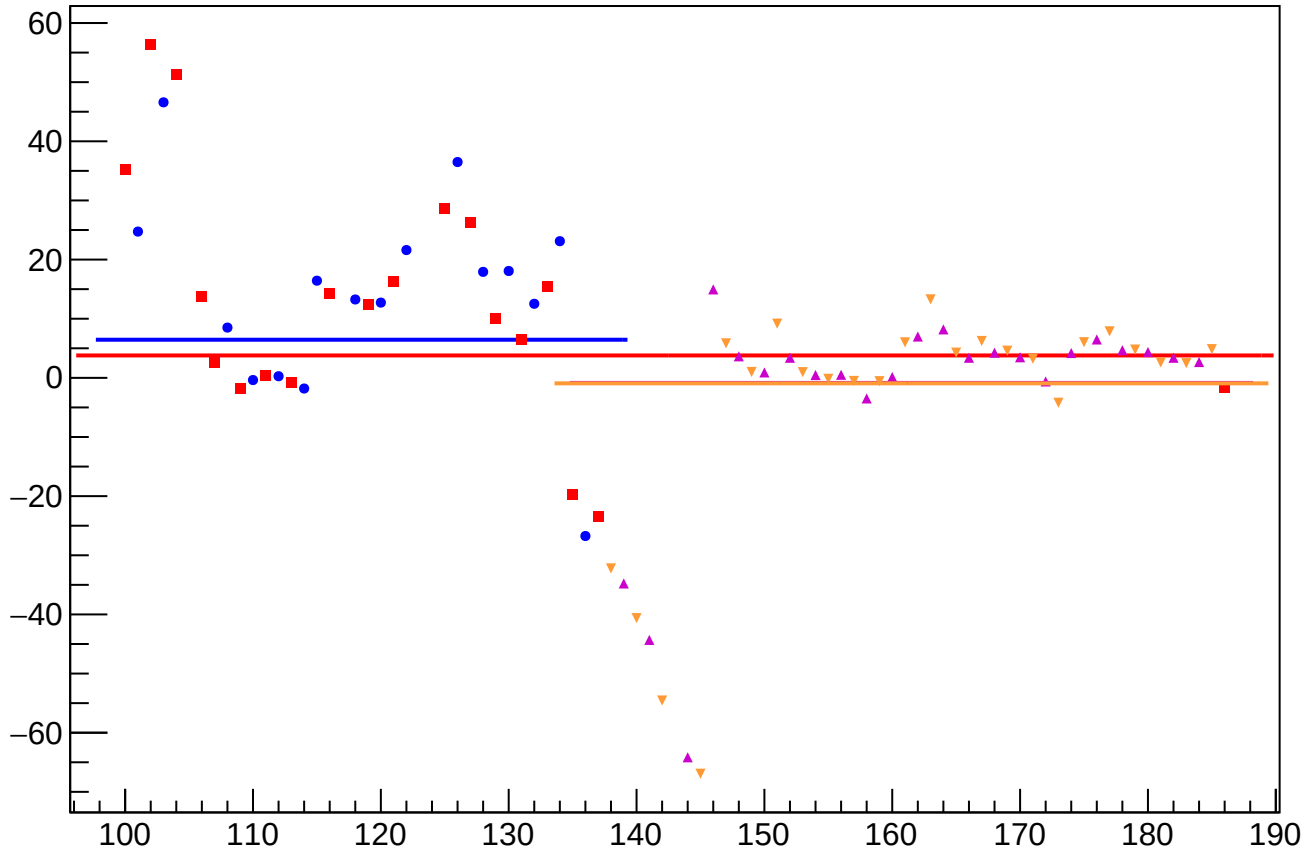
Right Out: 0.910+/-0.055 χ^2/NDF: 1654.4/18

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.766+/-0.029 χ^2/NDF: 7355.6/39

All: 0.623+/-0.020 χ^2/NDF: 16252.0/81

- sign 0.496+/-0.027 χ^2/NDF: 8850.3/41



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: 3.791+/-0.055 χ^2/NDF: 76010.5/18

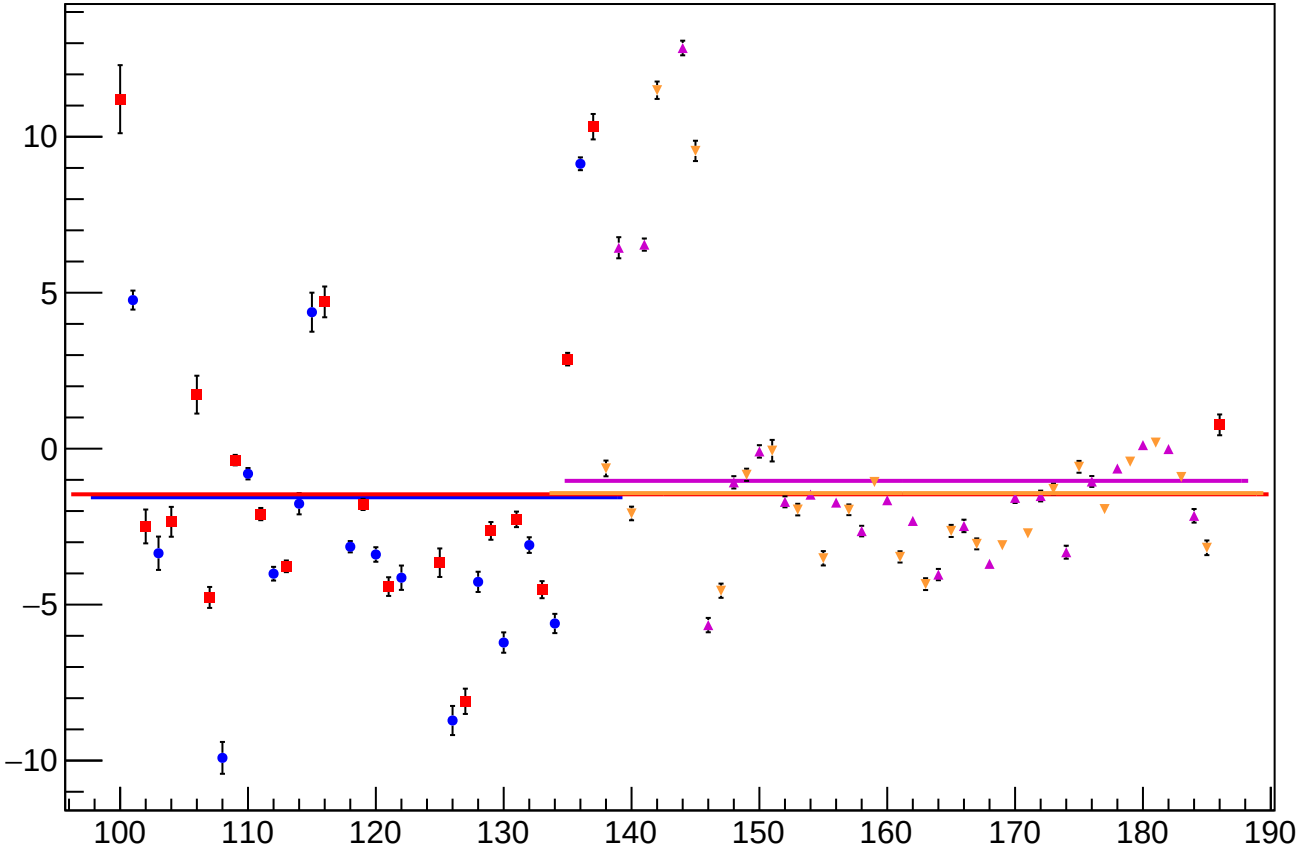
Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

\+ sign 1.141+/-0.034 χ^2/NDF: 206471.2/39

All: 0.914+/-0.023 χ^2/NDF: 416821.8/81

\- sign 0.719+/-0.032 χ^2/NDF: 210269.6/41

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

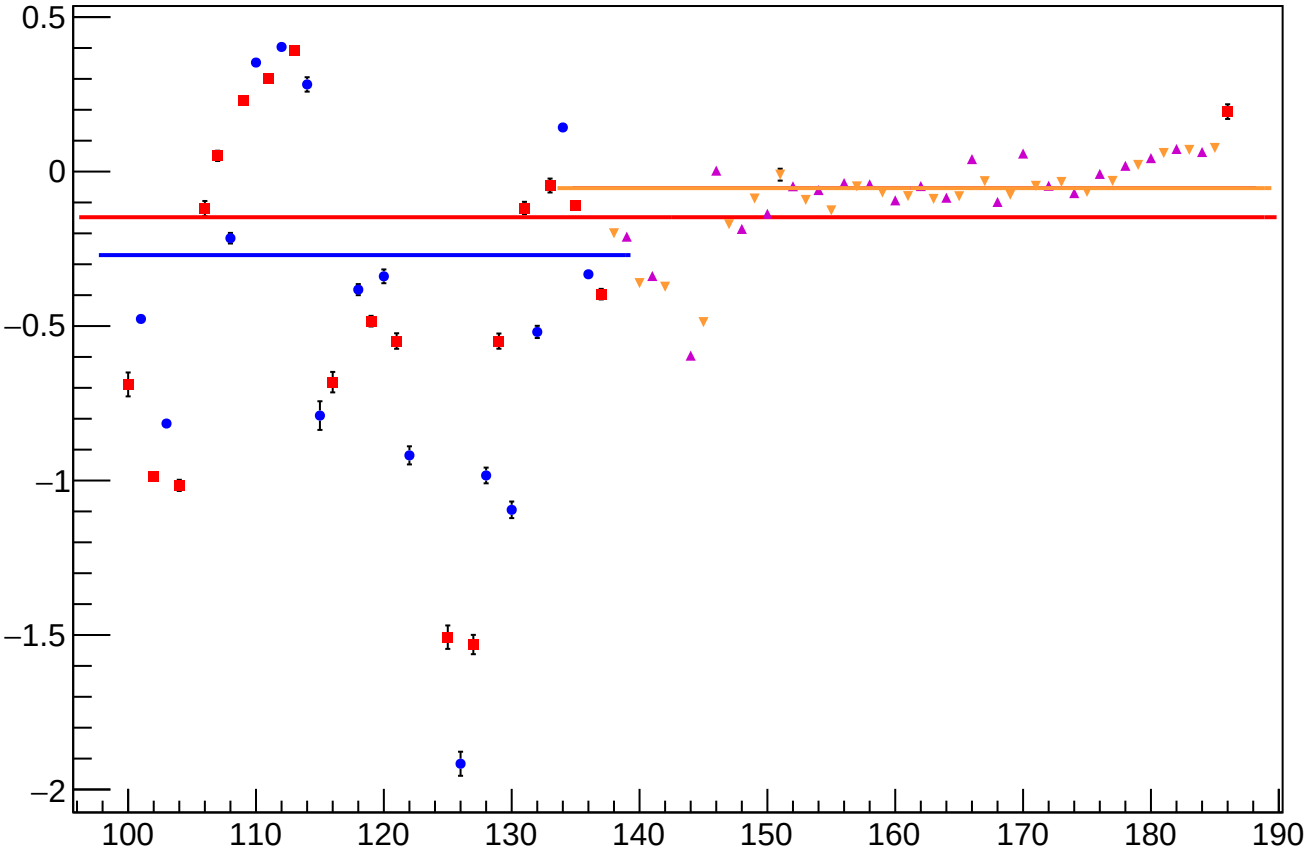
Right Out: -1.463+/-0.063 χ^2/NDF: 2516.3/18

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.454+/-0.032 χ^2/NDF: 9185.6/39

All: -1.283+/-0.022 χ^2/NDF: 18841.5/81

- sign -1.132+/-0.030 χ^2/NDF: 9603.3/41



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

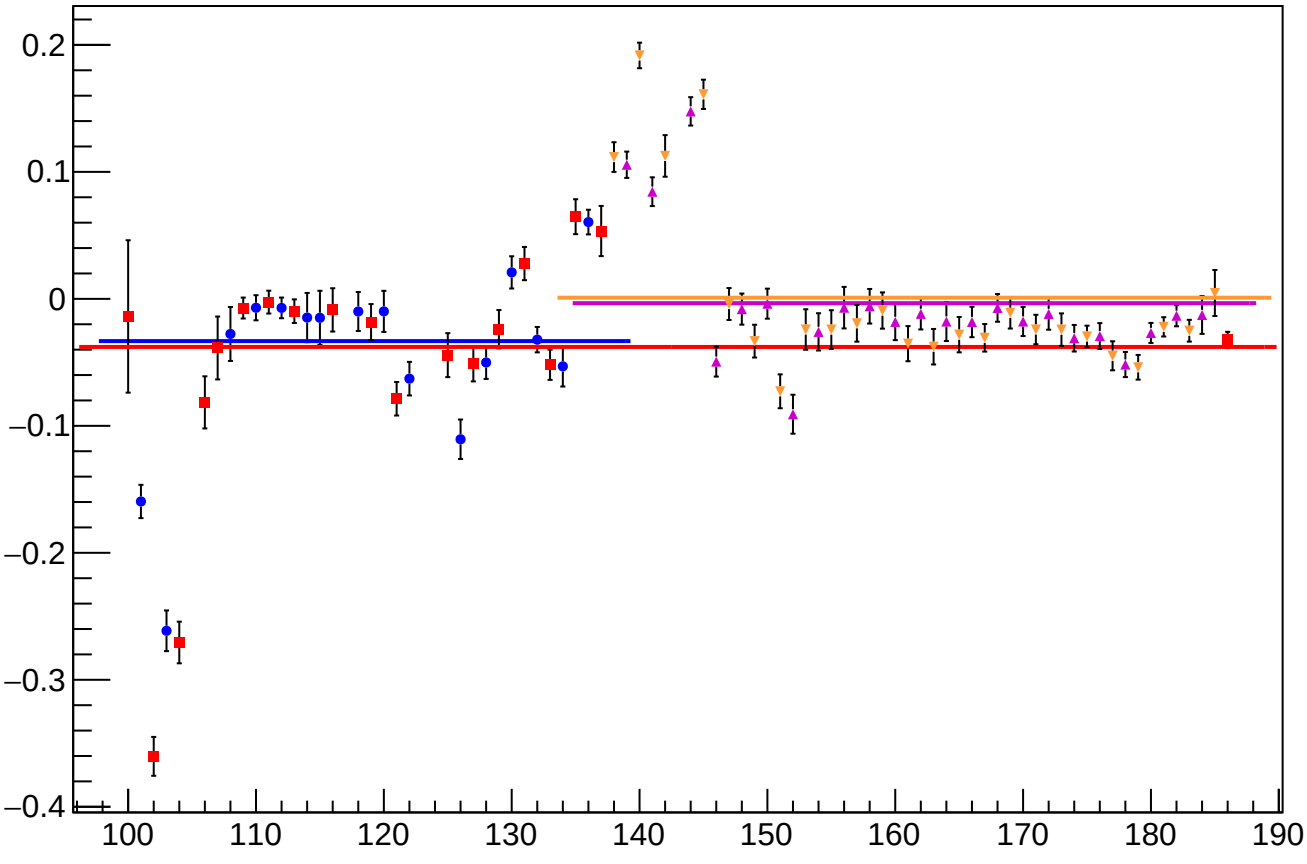
Right Out: -0.148+/-0.004 χ^2/NDF: 15242.6/18

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.082+/-0.001 χ^2/NDF: 18828.6/39

All: -0.073+/-0.001 χ^2/NDF: 39695.3/81

- sign -0.066+/-0.001 χ^2/NDF: 20808.0/41



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

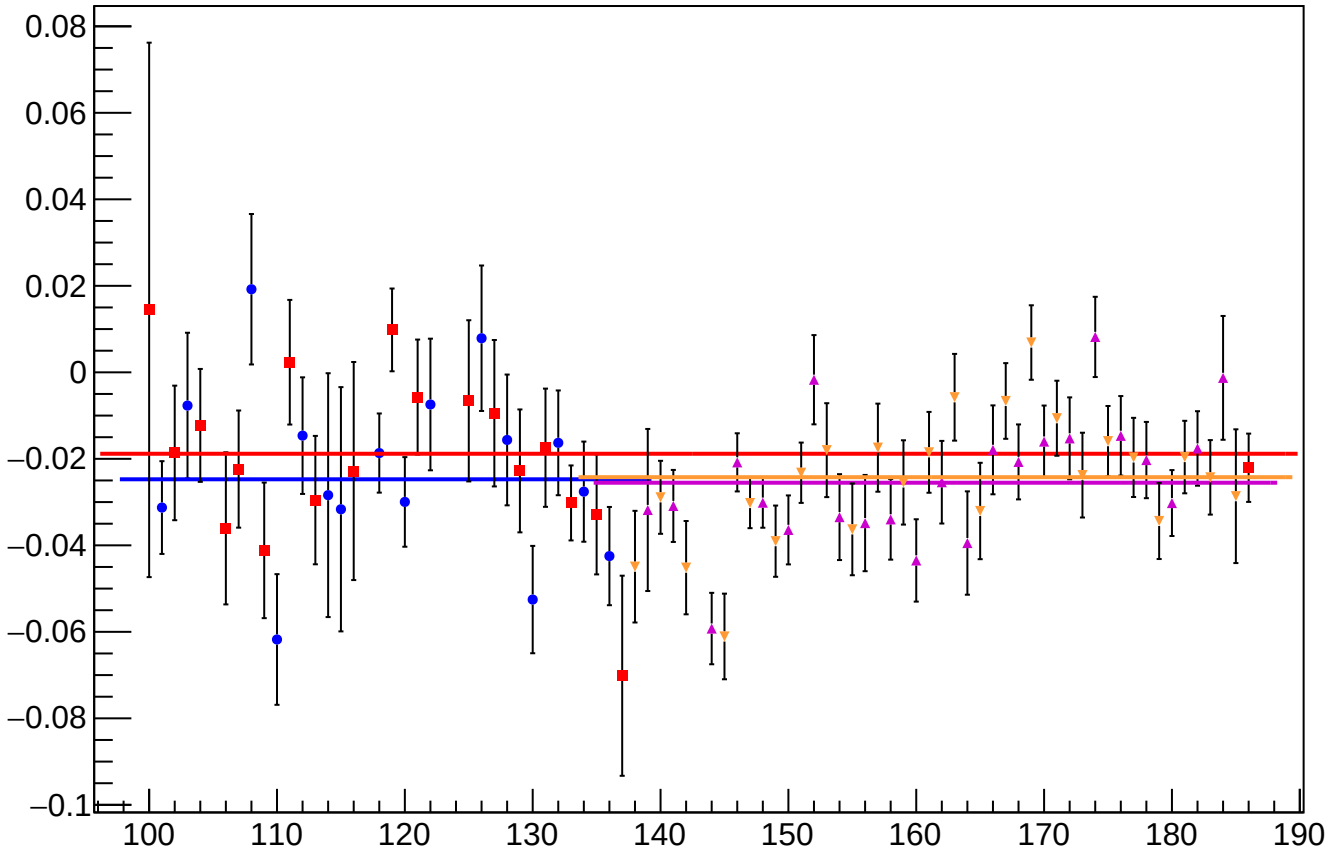
Right Out: -0.038+/-0.003 χ^2/NDF: 808.5/18

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.011+/-0.002 χ^2/NDF: 1385.9/39

All: -0.015+/-0.001 χ^2/NDF: 2743.6/81

- sign -0.018+/-0.002 χ^2/NDF: 1351.9/41



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

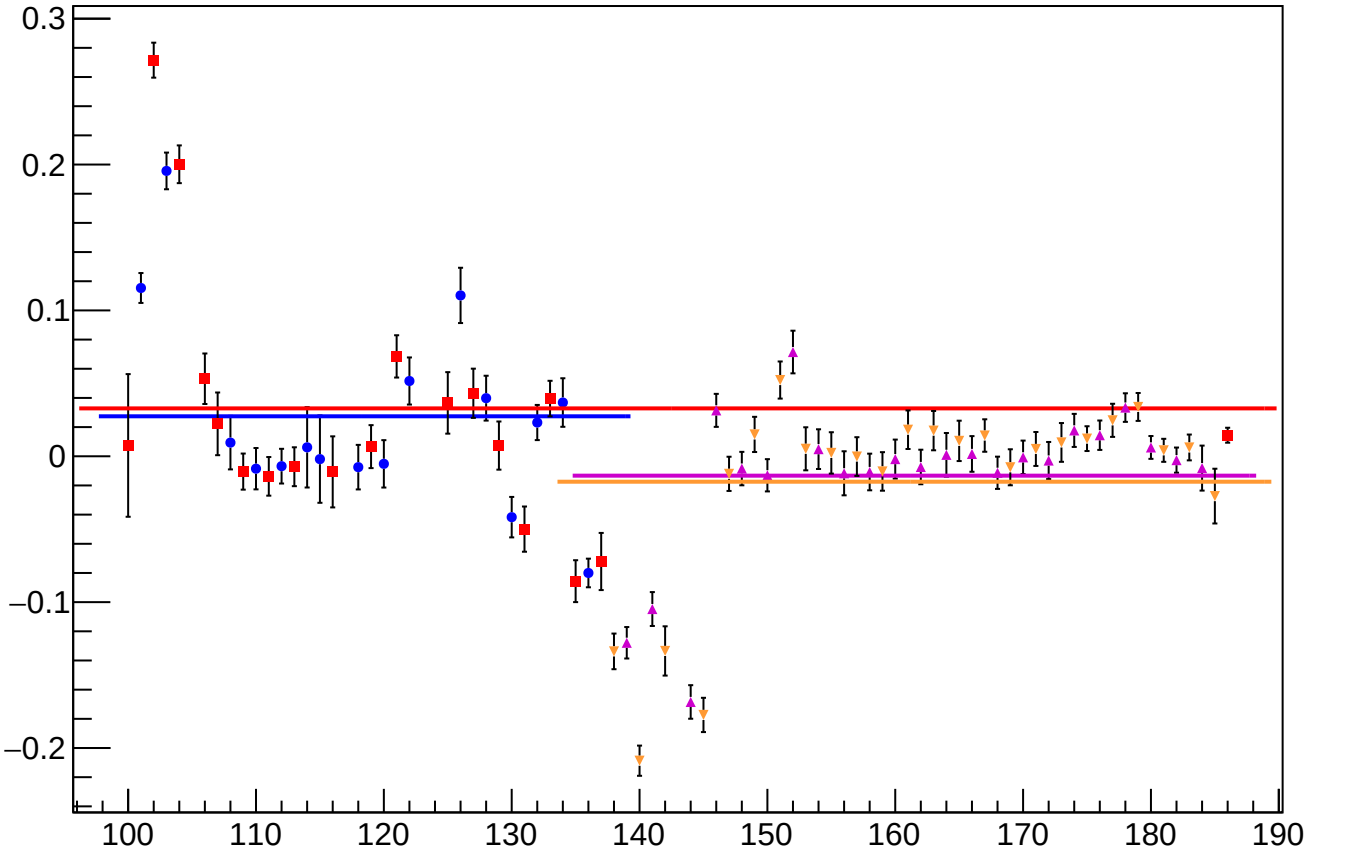
Right Out: -0.019+/-0.003 χ^2/NDF: 24.9/18

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 82.3/39

All: -0.024+/-0.001 χ^2/NDF: 165.7/81

- sign -0.024+/-0.002 χ^2/NDF: 83.3/41



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

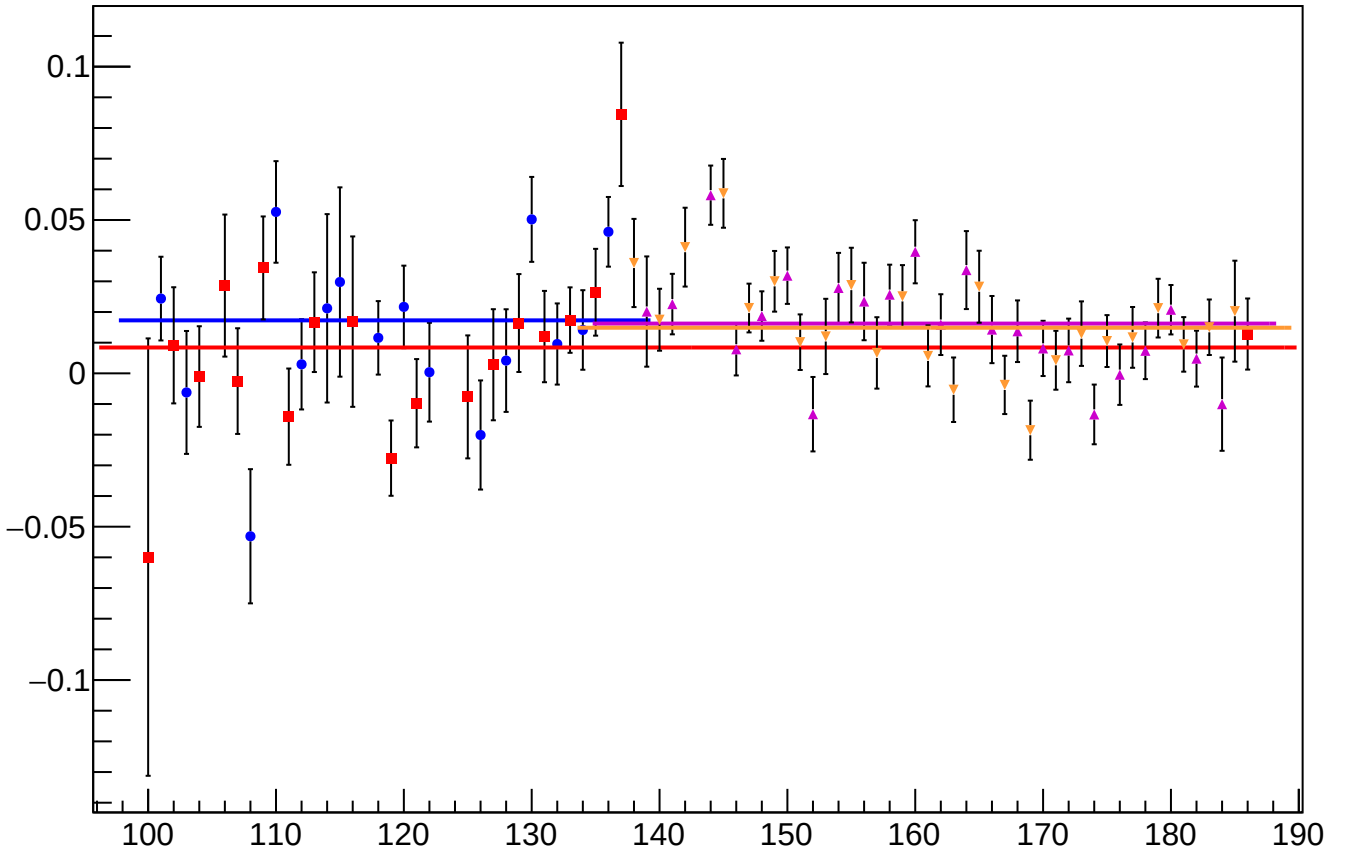
Right Out: 0.033+/-0.003 χ^2/NDF: 752.6/18

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

\+ sign -0.004+/-0.002 χ^2/NDF: 1367.2/39

All: 0.001+/-0.001 χ^2/NDF: 2734.8/81

\- sign 0.005+/-0.002 χ^2/NDF: 1357.9/41



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

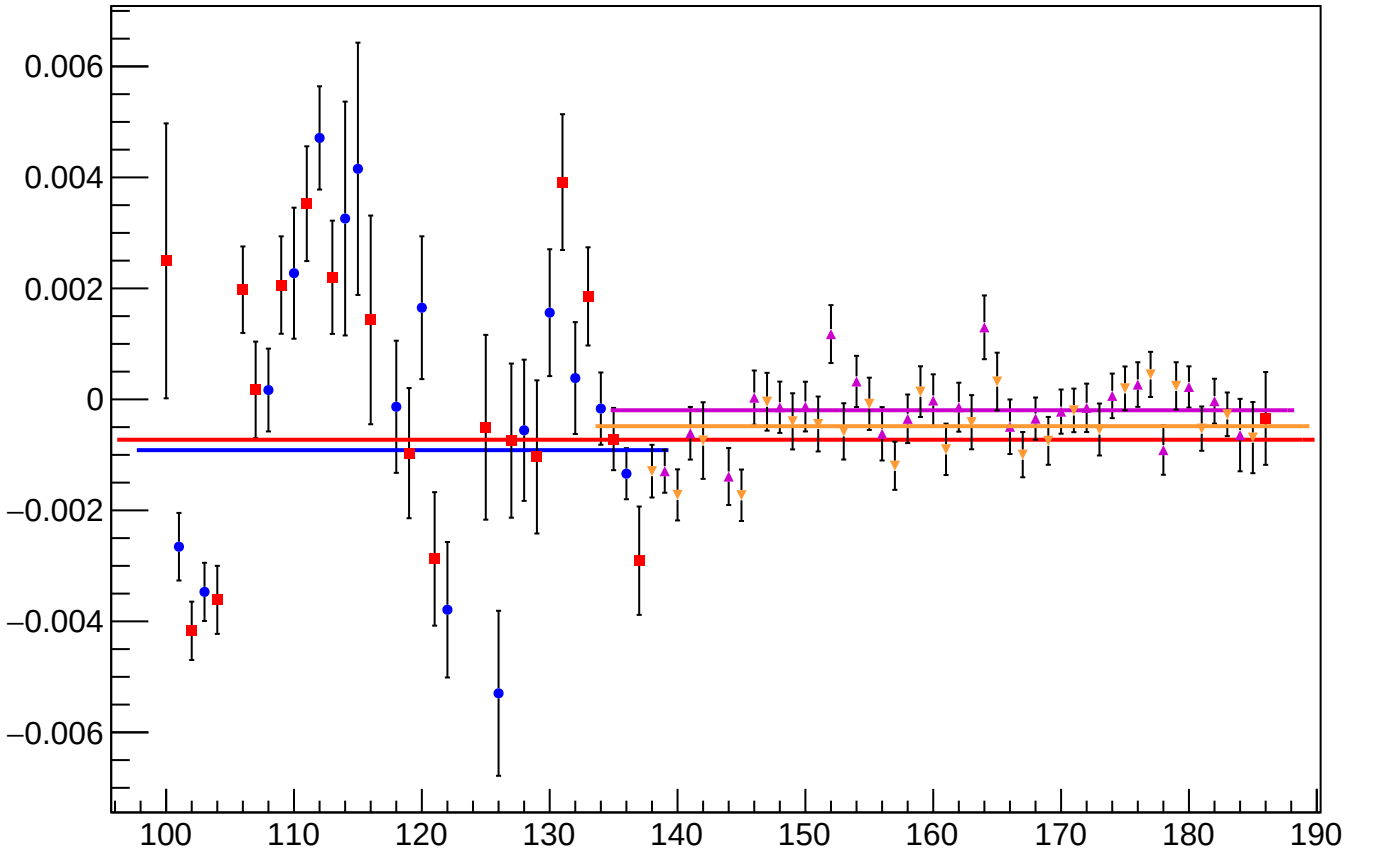
Right Out: 0.008+/-0.004 χ^2/NDF: 31.5/18

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.015+/-0.002 χ^2/NDF: 89.0/39

All: 0.015+/-0.001 χ^2/NDF: 182.1/81

- sign 0.014+/-0.002 χ^2/NDF: 92.9/41



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: -0.001+/-0.000 χ^2/NDF: 147.8/18

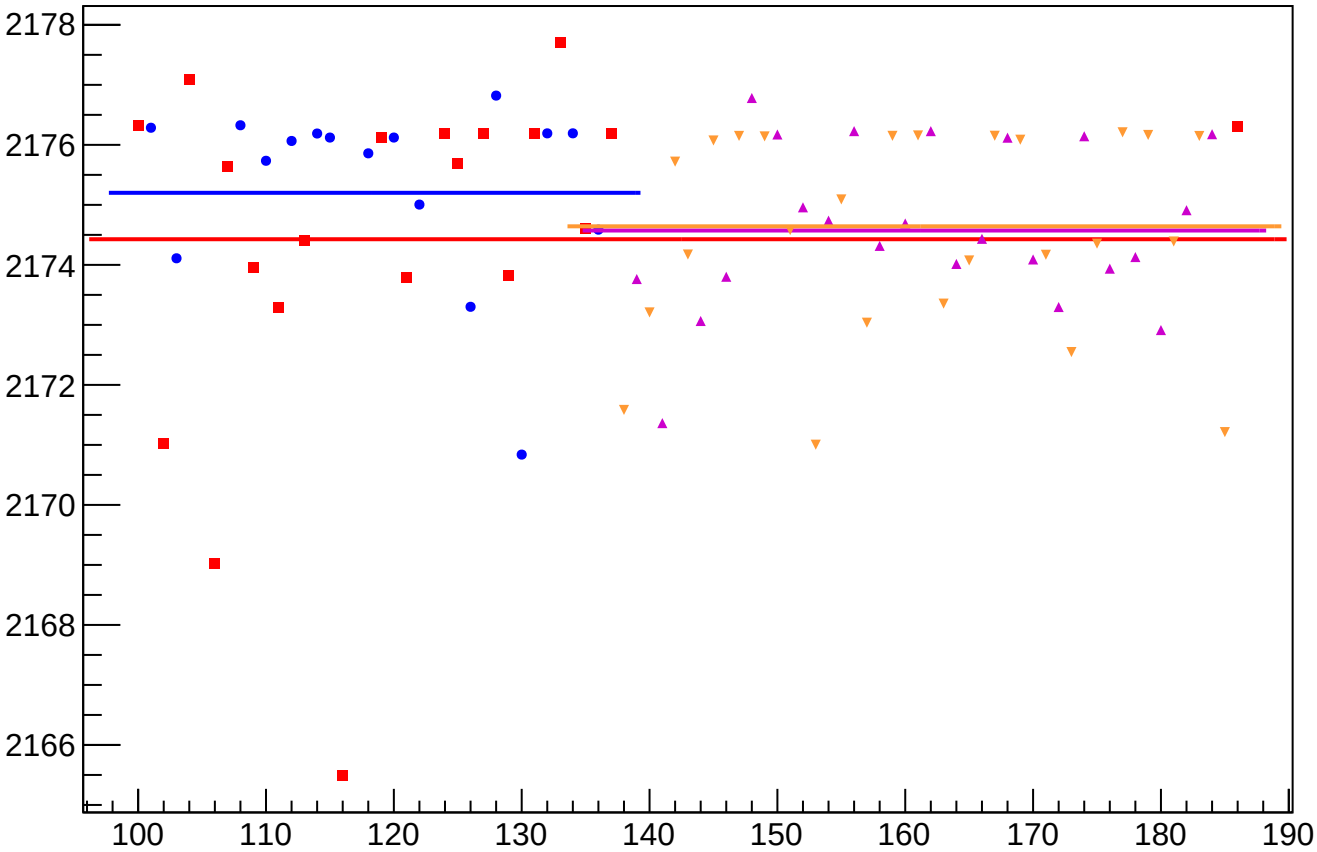
Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.001+/-0.000 χ^2/NDF: 158.4/39

All: -0.000+/-0.000 χ^2/NDF: 353.8/81

- sign -0.000+/-0.000 χ^2/NDF: 190.5/41

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

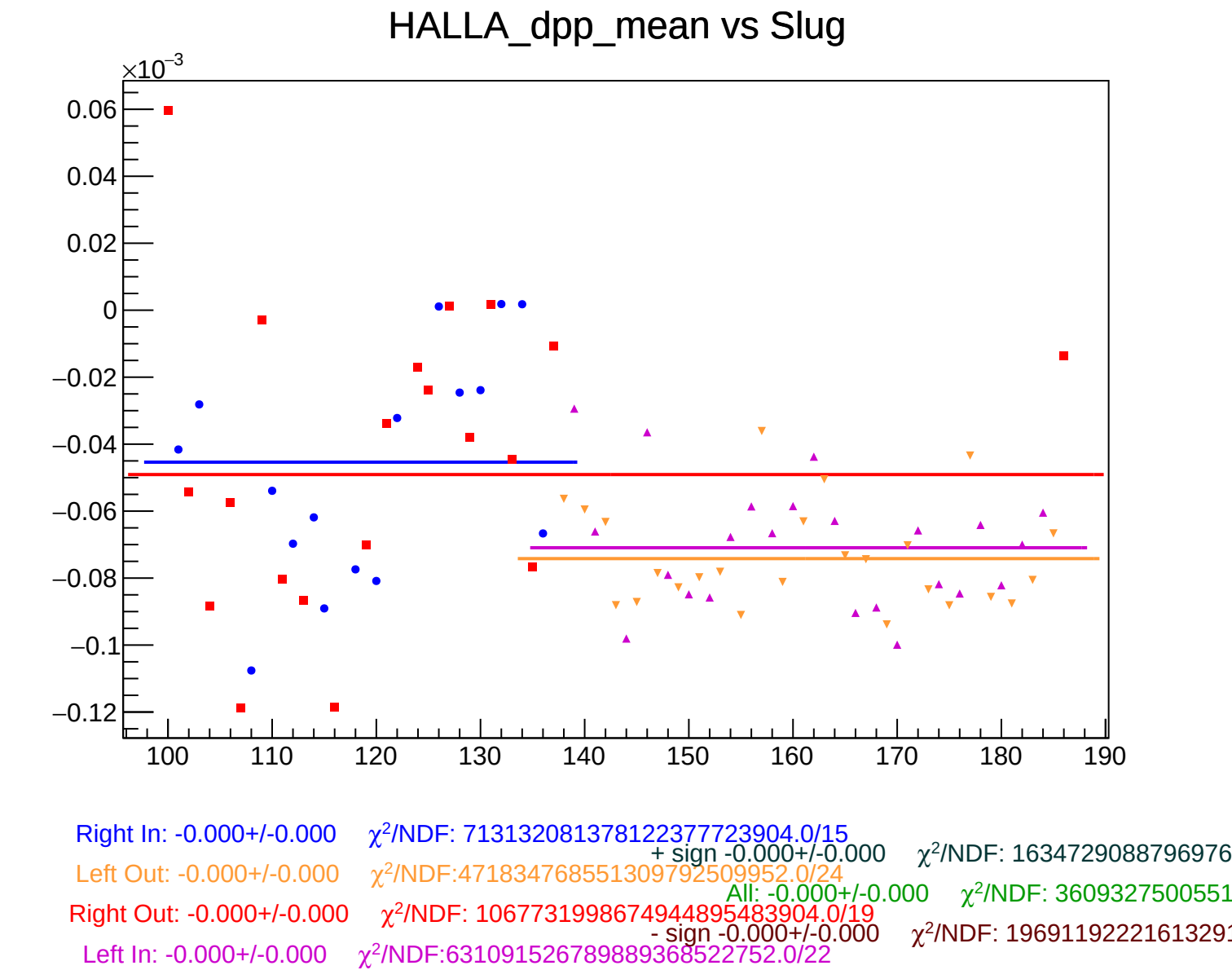
Right Out: 2174.427+/-0.000 χ^2/NDF: 56989416152240237595273342473994 24.0/19

Left In: 2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291 52.0/22

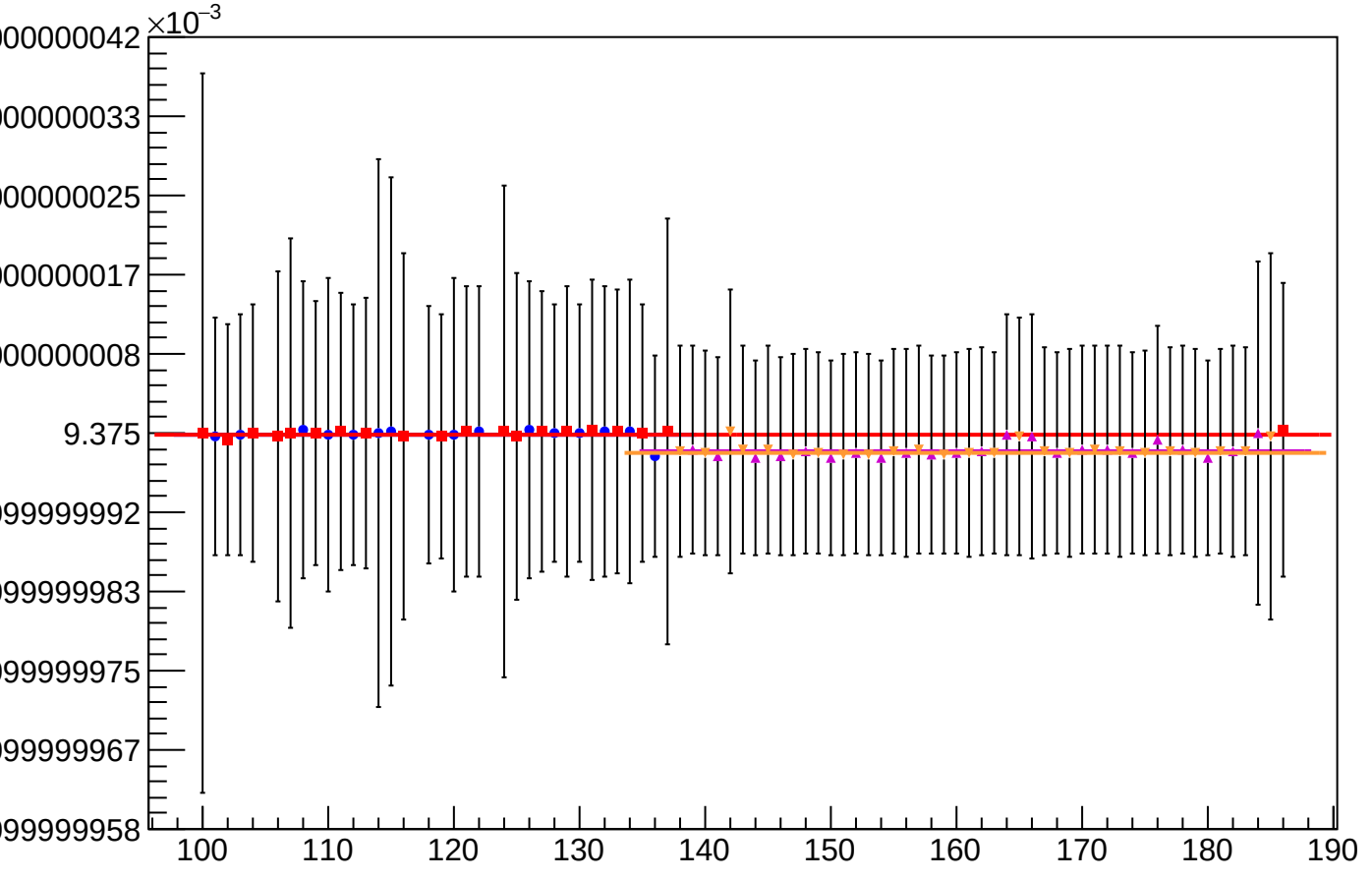
+ sign 2174.793+/-0.000 χ^2/NDF: 7146427589195

All: 2174.662+/-0.000 χ^2/NDF: 163831106

- sign 2174.530+/-0.000 χ^2/NDF: 91421740047707


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: 7131320813781223777239040.0/15
+ sign -0.000+/-0.000 χ²/NDF: 1634729088796976
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520.0/24
All: -0.000+/-0.000 χ²/NDF: 3609327500551
Right Out: -0.000+/-0.000 χ²/NDF: 1067731998674944895483904.0/19
- sign -0.000+/-0.000 χ²/NDF: 1969119222161329
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/19

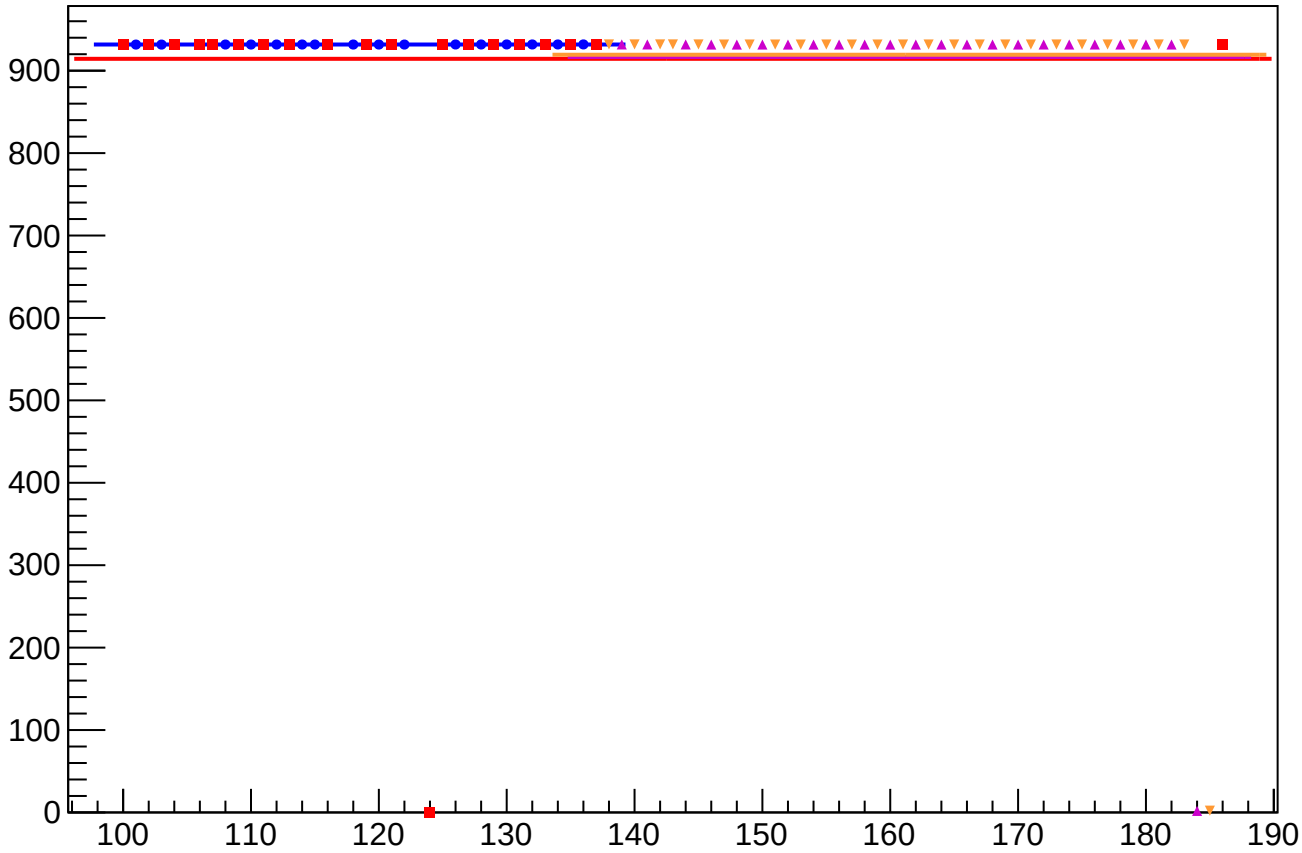
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/40

All: 0.009+/-0.000 χ^2/NDF: 0.5/83

- sign 0.009+/-0.000 χ^2/NDF: 0.3/42

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 922.684+/-0.000 χ^2/NDF: 231047538685997

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812243648.0/24

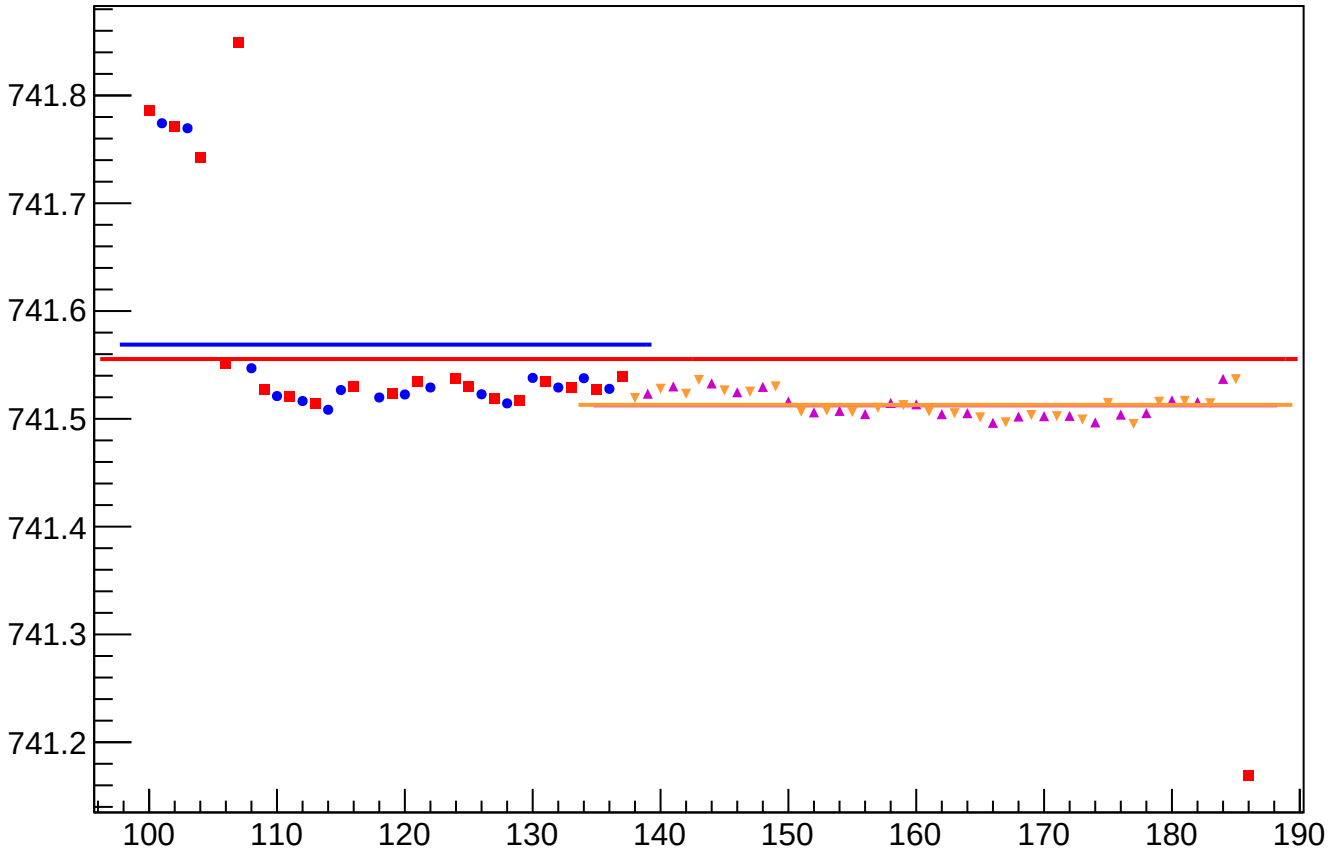
All: 919.365+/-0.000 χ^2/NDF: 623180603968

Right Out: 914.408+/-0.000 χ^2/NDF: 1277939337457994527308138560746422272 0.0/19

- 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: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

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 741.528+/-0.000 χ^2/NDF: 837801672256638

All: 741.527+/-0.000 χ^2/NDF: 2398001369300

- 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: 9333132768848077867742459330560/15

+ sign 971.202+/-0.000 χ^2/NDF: 255985542182017

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

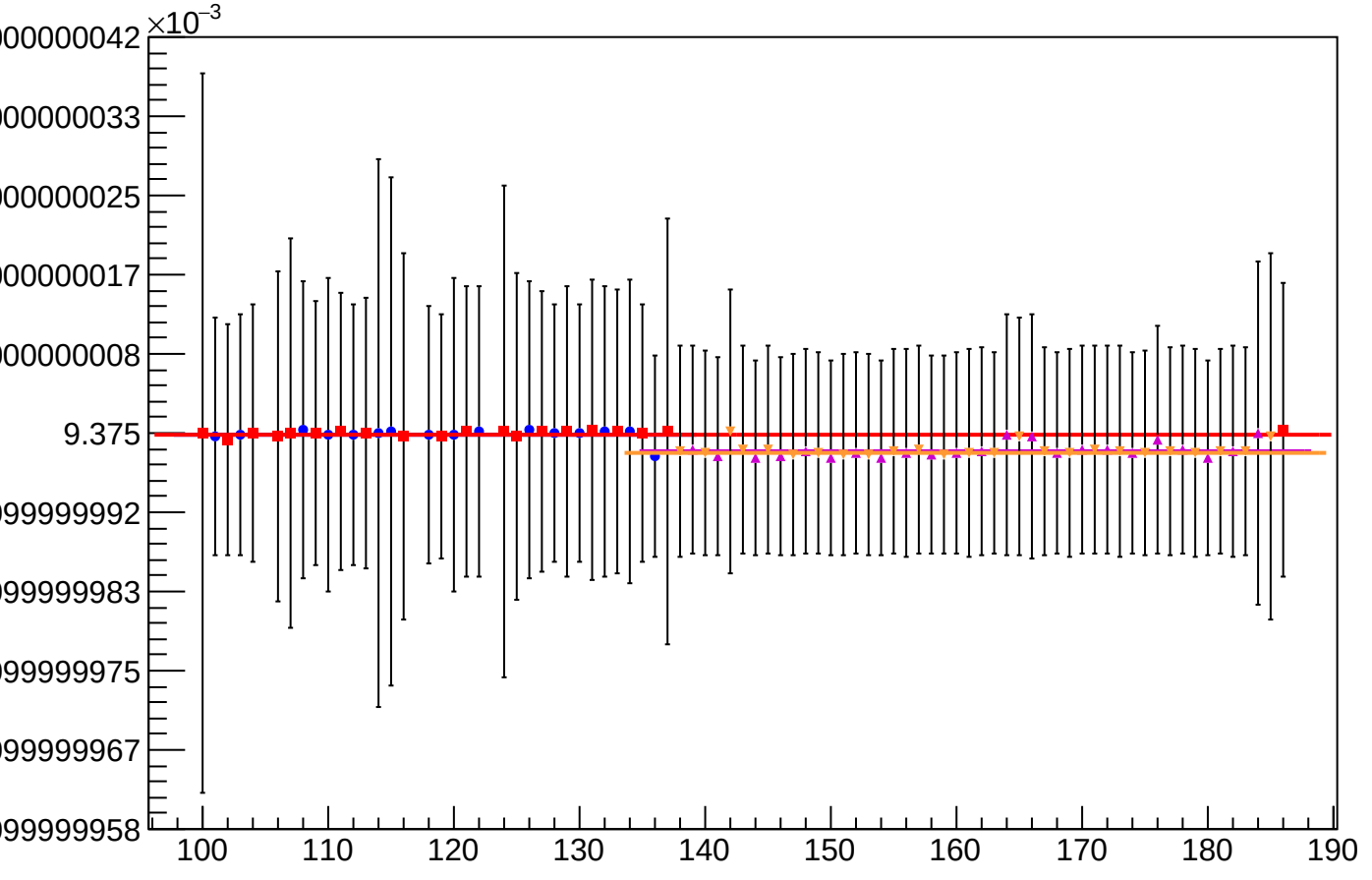
All: 970.394+/-0.000 χ^2/NDF: 549609212279

Right Out: 980.740+/-0.000 χ^2/NDF: 595169208716743723837572052418560/19

- 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: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/19

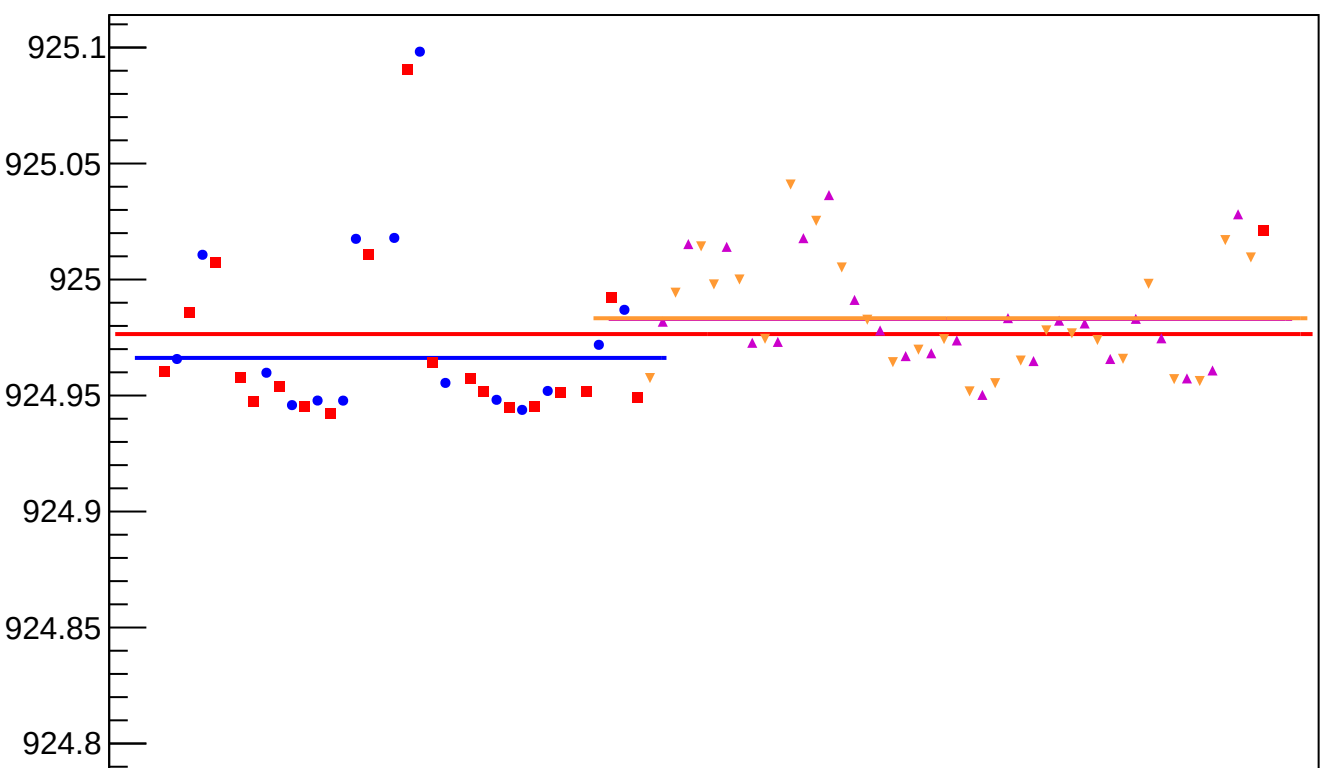
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/40

All: 0.009+/-0.000 χ^2/NDF: 0.5/83

- sign 0.009+/-0.000 χ^2/NDF: 0.3/42

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.976+/-0.000 χ^2/NDF: 1329663985072226736369995612160.0/19

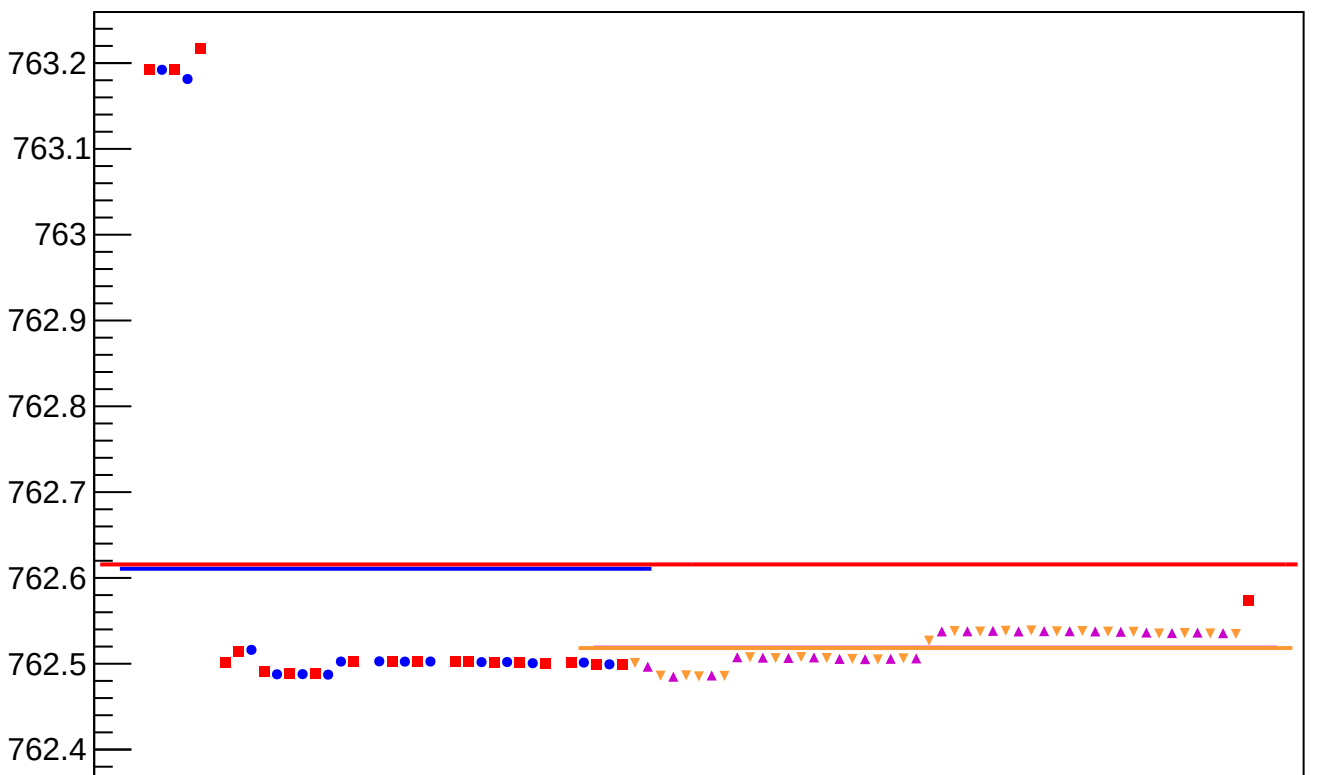
Left In: 924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

+ sign 924.979+/-0.000 χ^2/NDF: 386388404411981

All: 924.980+/-0.000 χ^2/NDF: 615346555261

- sign 924.981+/-0.000 χ^2/NDF: 228198888795203

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: 762.616+/-0.000 χ^2/NDF: 532126229346413380986705448796 16.0/19

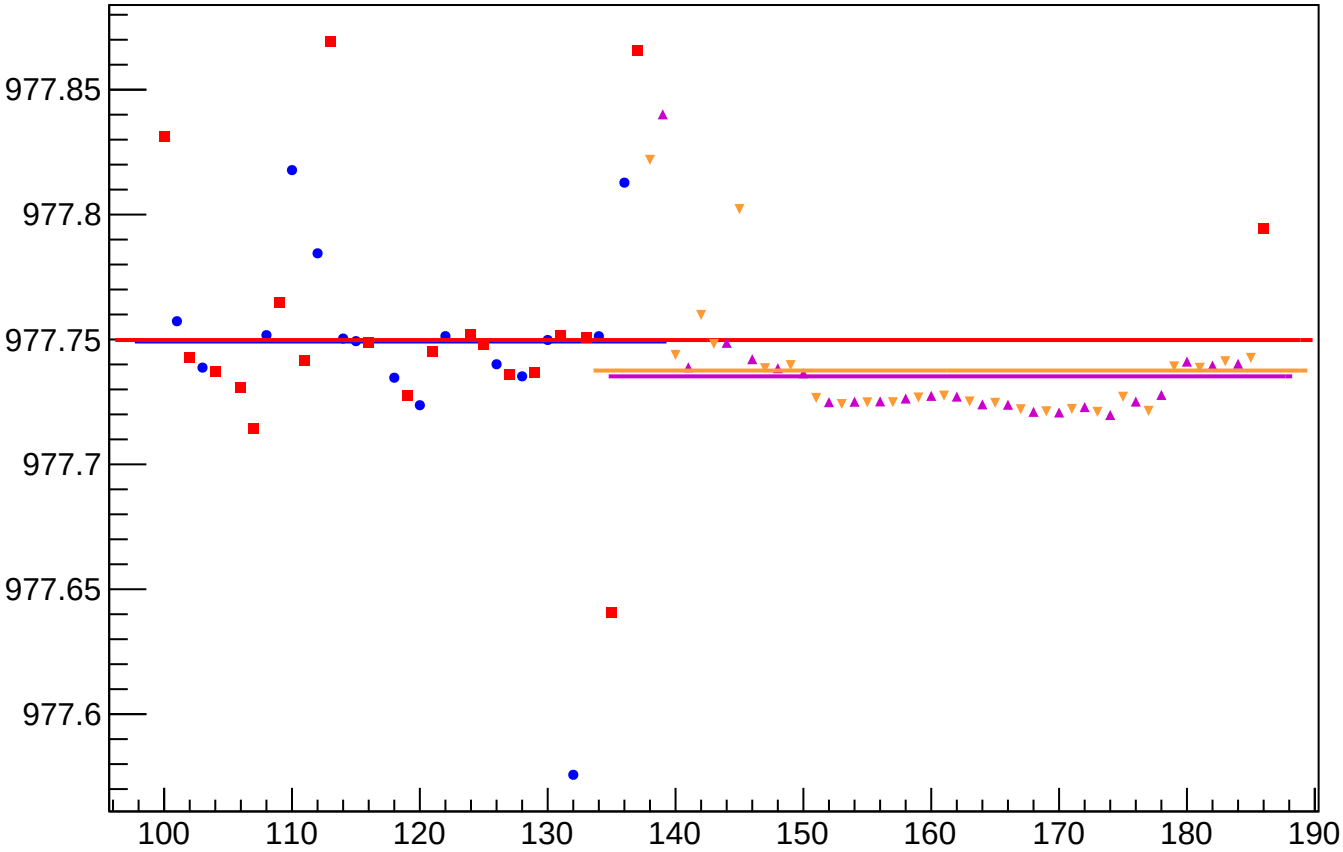
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.543+/-0.000 χ^2/NDF: 575573110086750

All: 762.545+/-0.000 χ^2/NDF: 116792445814

- sign 762.548+/-0.000 χ^2/NDF: 592083365273592

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

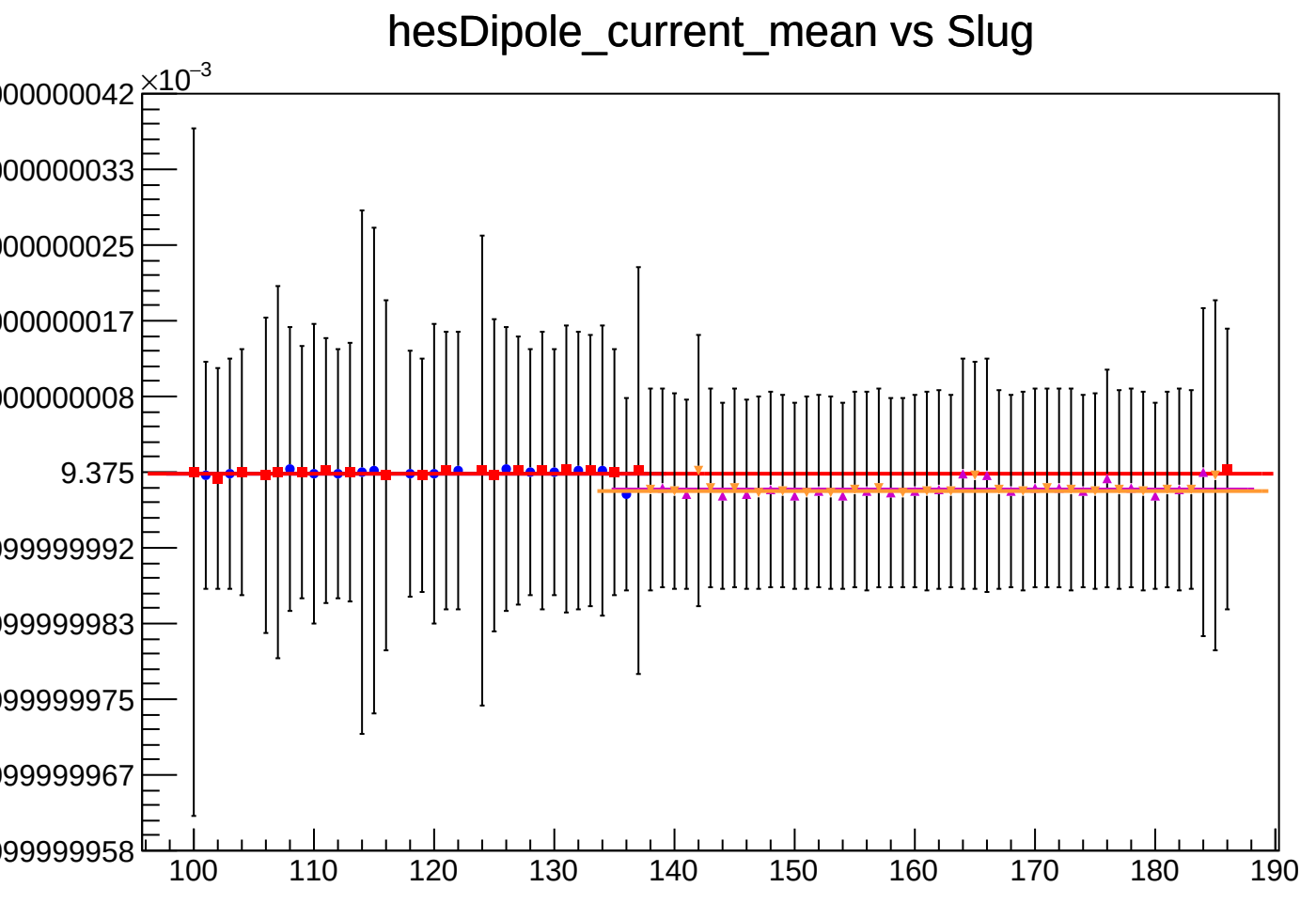
Right Out: 977.750+/-0.000 χ^2/NDF: 18711302789816090754301925785600.0/19

Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

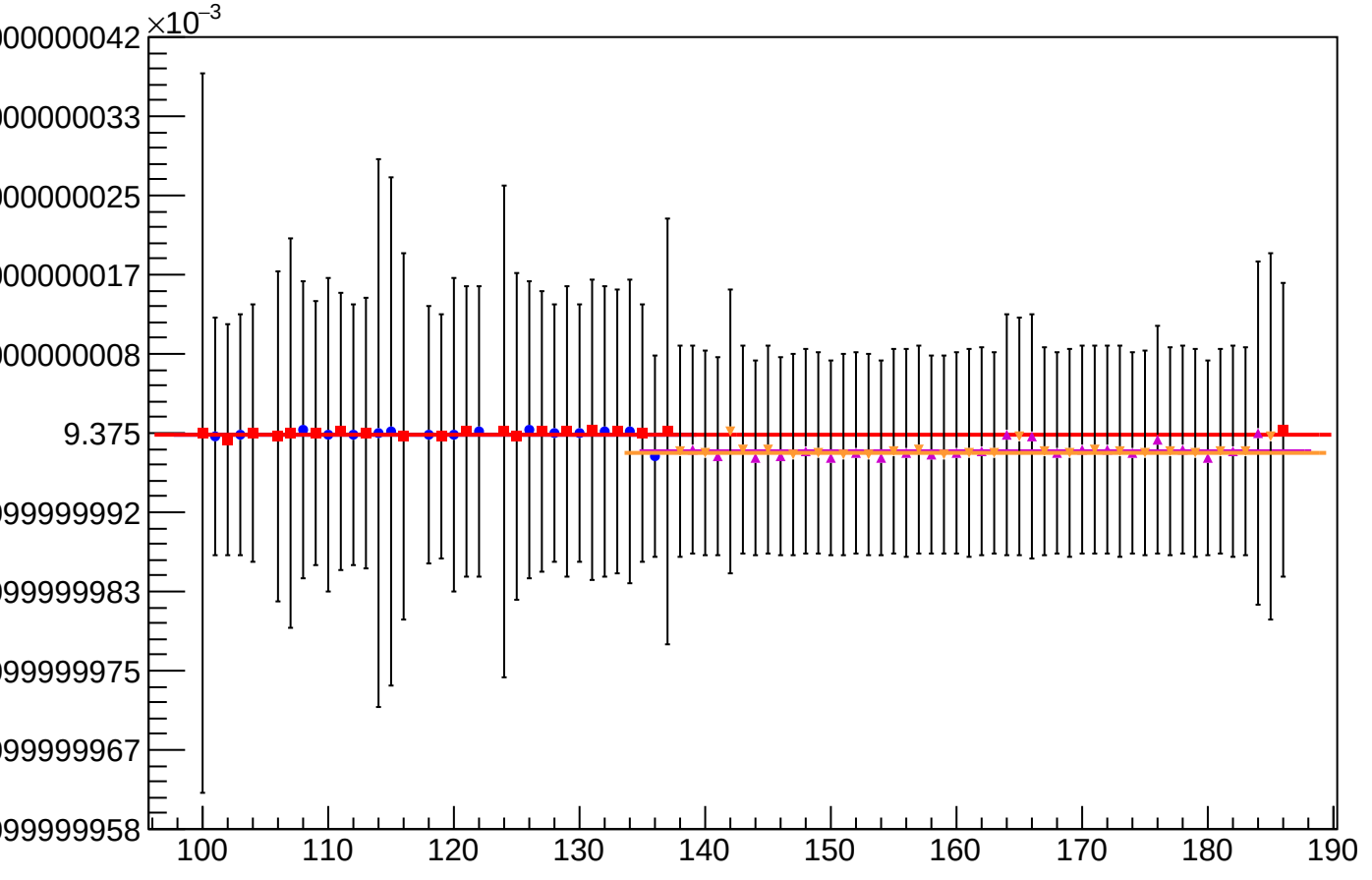
+ sign 977.741+/-0.000 χ^2/NDF: 321128877059382

All: 977.740+/-0.000 χ^2/NDF: 630054289594

- sign 977.740+/-0.000 χ^2/NDF: 308748761246954


hesDipole_current_mean vs Slug
×10⁻³
100
110
120
130
140
150
160
170
180
190
9.375
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: 0.009+/-0.000 χ²/NDF: 0.0/19
Left In: 0.009+/-0.000 χ²/NDF:0.1/22
+ sign 0.009+/-0.000 χ²/NDF: 0.2/40
All: 0.009+/-0.000 χ²/NDF: 0.5/83
- sign 0.009+/-0.000 χ²/NDF: 0.3/42

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/19

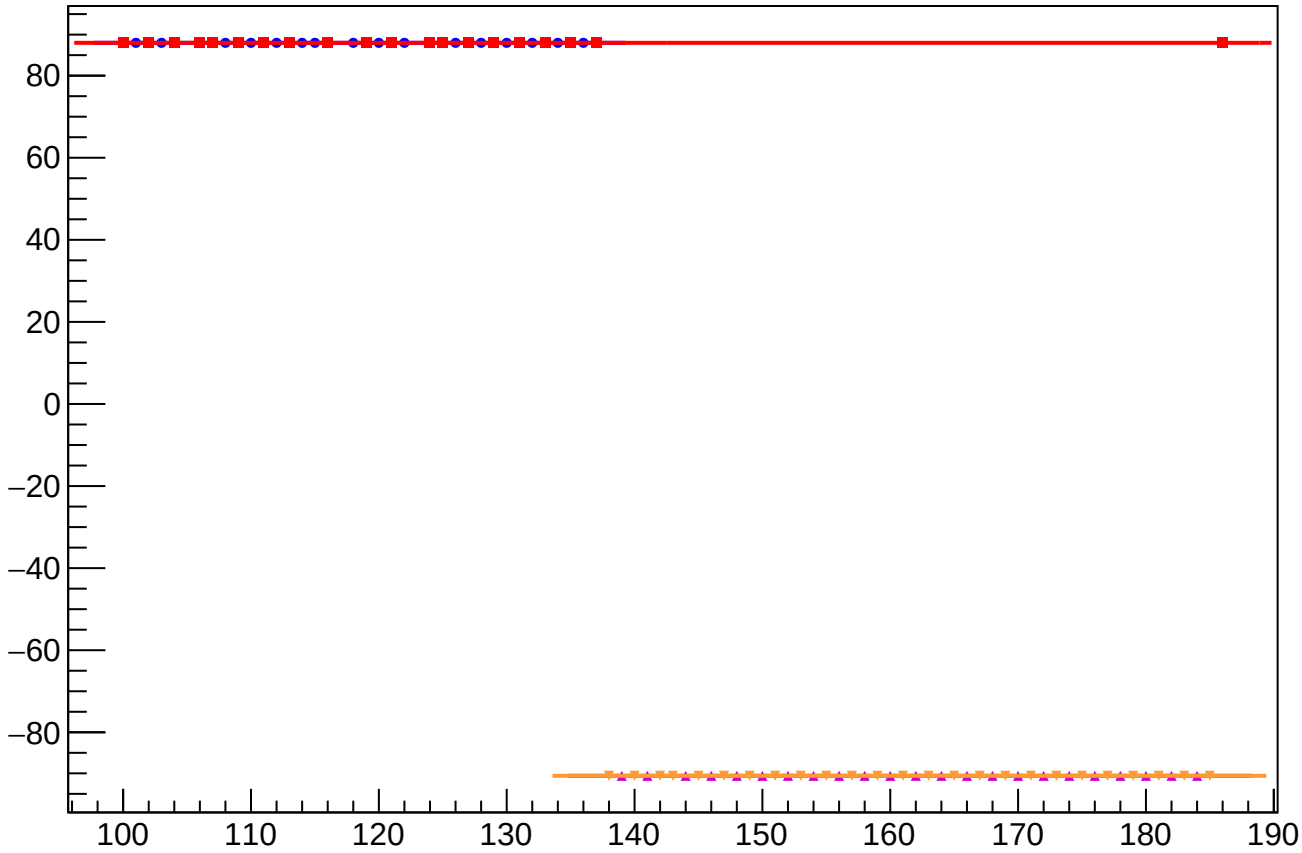
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/40

All: 0.009+/-0.000 χ^2/NDF: 0.5/83

- sign 0.009+/-0.000 χ^2/NDF: 0.3/42

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 1500072.7/15

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: 88.003+/-0.000 χ^2/NDF: 735180452306579176483947806720.0/19

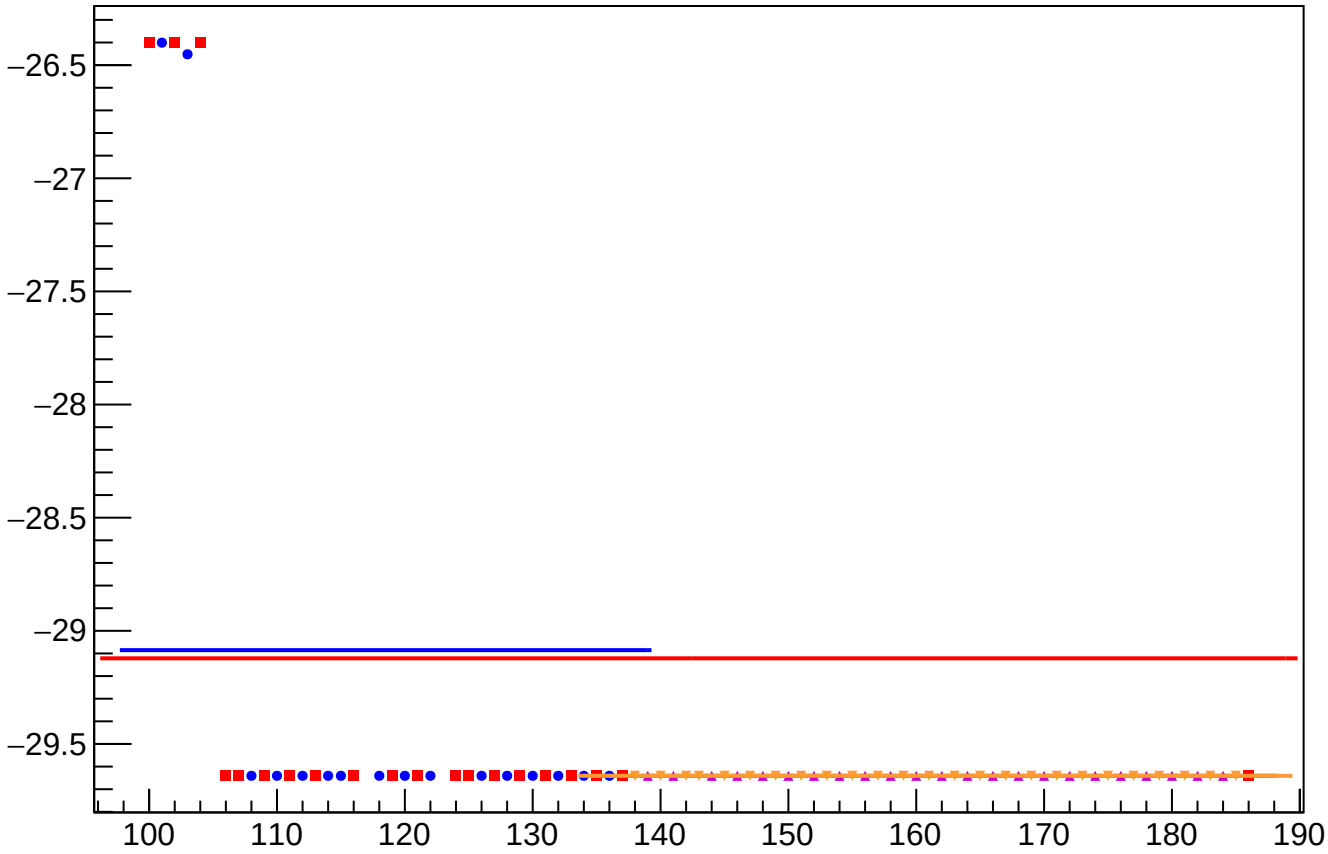
Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -42.632+/-0.000 χ^2/NDF: 172882318631677

All: -40.121+/-0.000 χ^2/NDF: 353769641290

- sign -37.565+/-0.000 χ^2/NDF: 180536339453453

HWienAngle_mean vs Slug



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

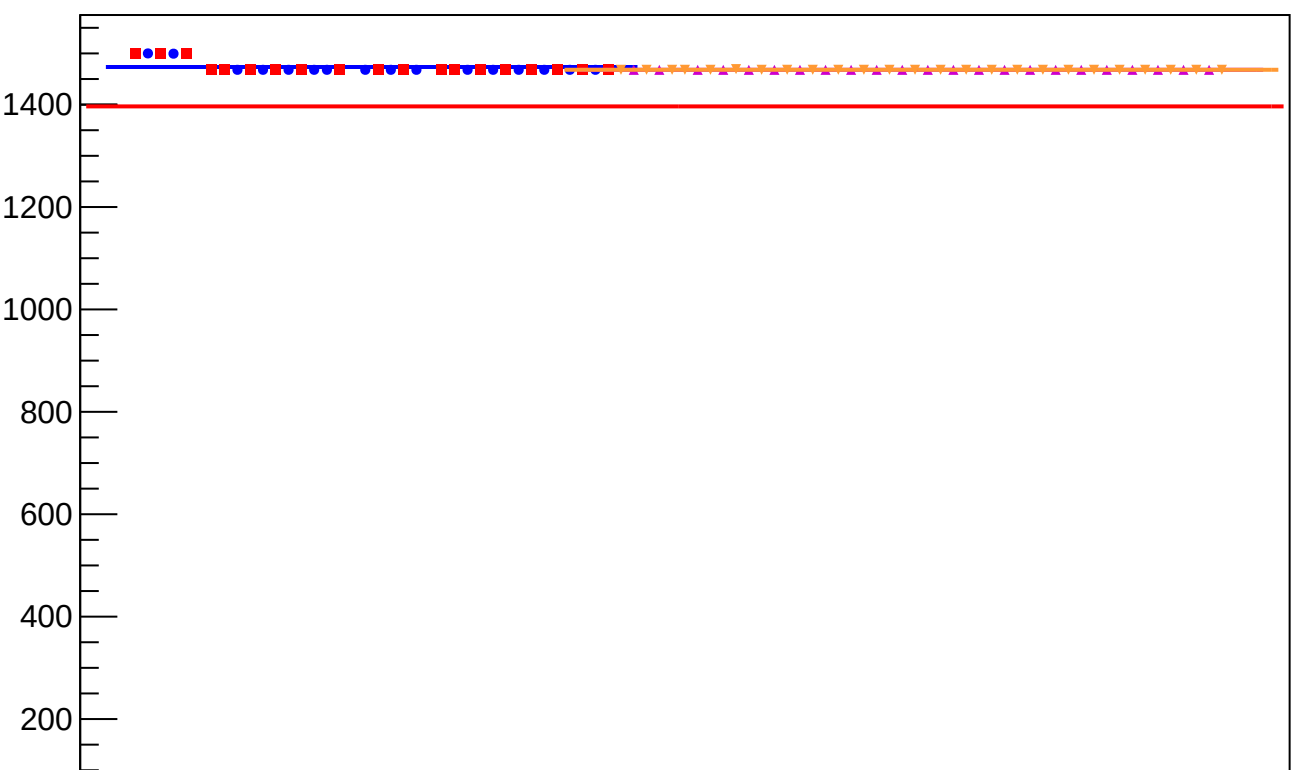
Right Out: -29.121+/-0.000 χ^2/NDF: 113718349118014520911876978429132 8.0/19

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.492+/-0.000 χ^2/NDF: 126149569272510

All: -29.489+/-0.000 χ^2/NDF: 255128301730

- sign -29.487+/-0.000 χ^2/NDF: 128975271589818



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: 1396.521+/-0.000 χ^2/NDF: 865290032175161247211103830466677964 80.0/19

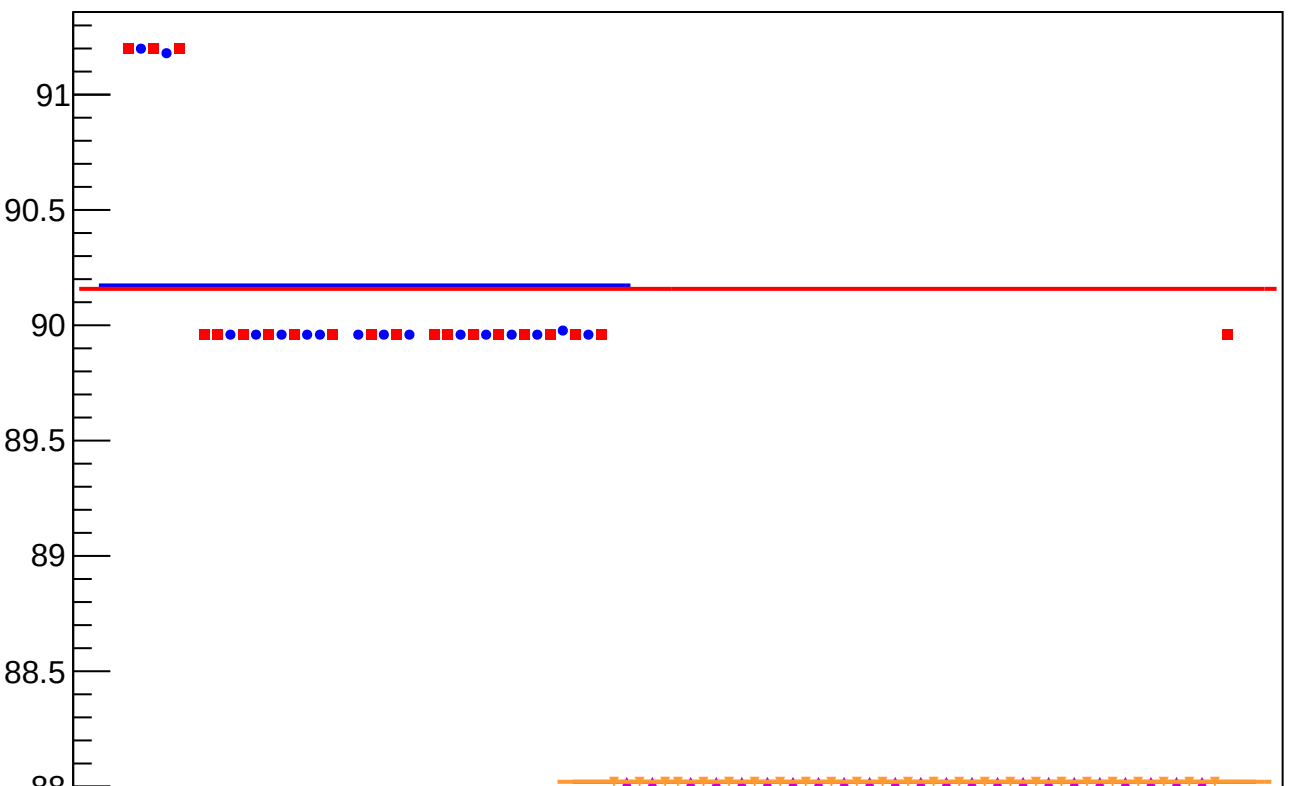
Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

+ sign 1469.505+/-0.000 χ^2/NDF: 1229370957173 1

All: 1458.238+/-0.000 χ^2/NDF: 902498452 40

- sign 1446.771+/-0.000 χ^2/NDF: 8942014243658 8

Phi_FG_mean vs Slug



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

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 88.599+/-0.000 χ^2/NDF: 2670127639300832

All: 88.627+/-0.000 χ^2/NDF: 5426441870325

- sign 88.655+/-0.000 χ^2/NDF: 2751924740007609

IGL1I00DI24_24M_mean vs Slug

Right In: 16.009+/-0.000 χ^2/NDF: 44239.3/15

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

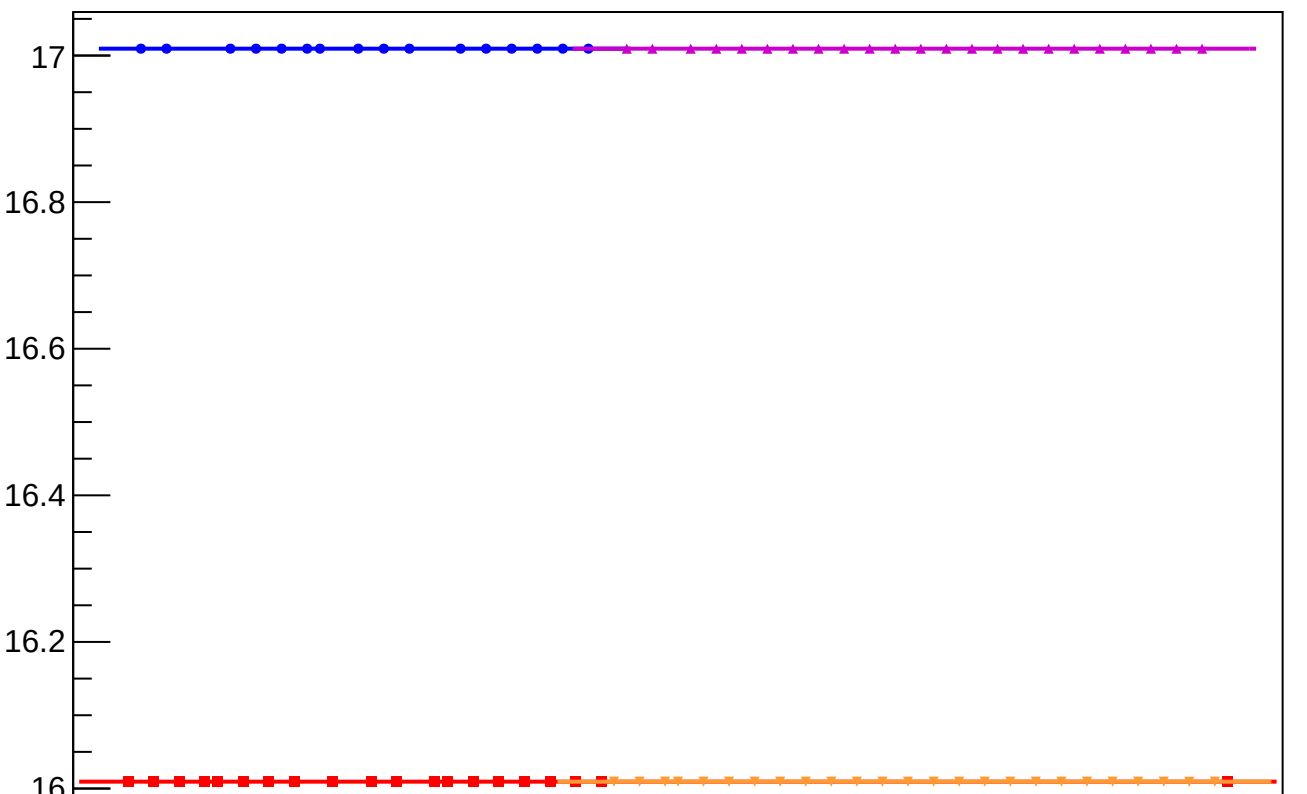
Left In: 16.009+/-0.000 χ^2/NDF:124687912167063523688448.0/22

+ sign 16.737+/-0.000 χ^2/NDF: 5104329887331750

All: 16.523+/-0.000 χ^2/NDF: 126832351483

- sign 16.303+/-0.000 χ^2/NDF: 5191576979090148

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 126634.3/15

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 50714.3/19

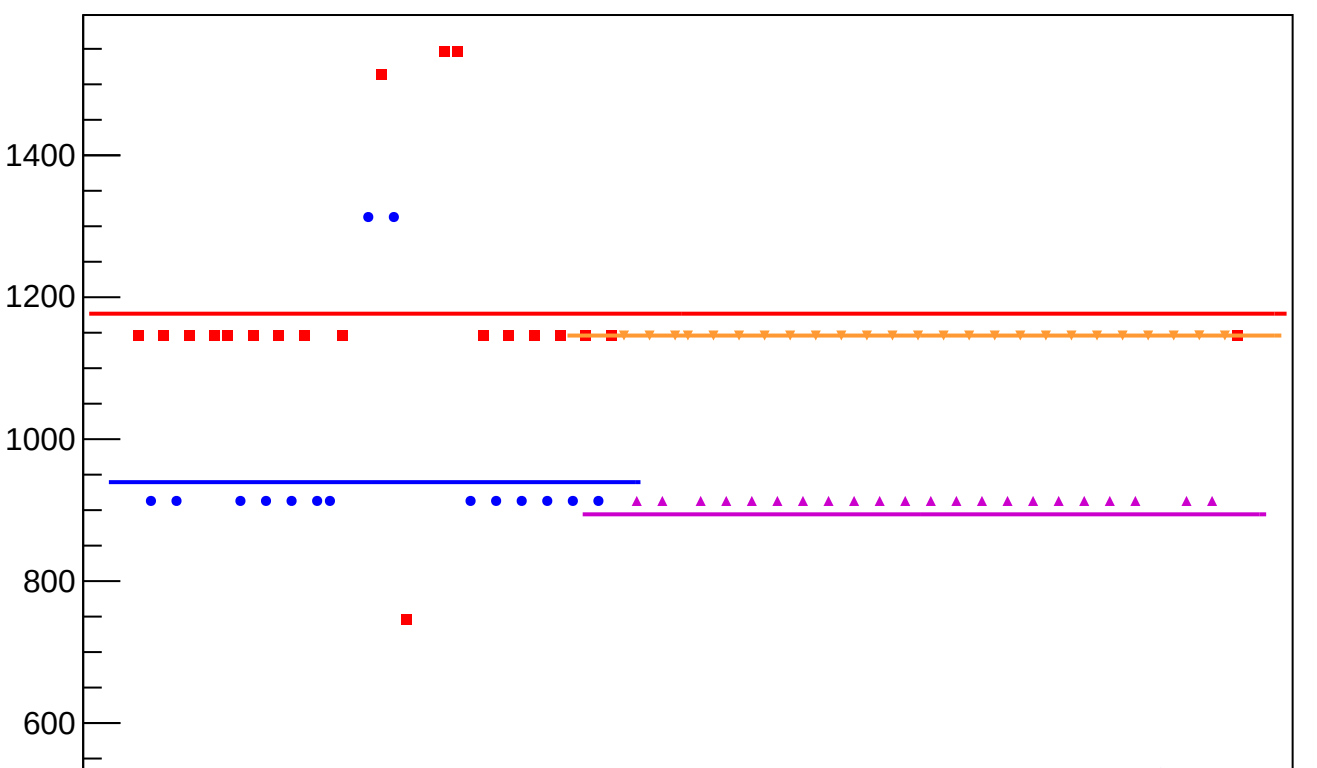
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.271+/-0.000 χ^2/NDF: 5218103376972356

All: 16.488+/-0.000 χ^2/NDF: 133762943629

- sign 16.708+/-0.000 χ^2/NDF: 5598853791993514

RTPAPOSUCNT_mean vs Slug



Right In: 939.446+/-0.000 χ^2/NDF: 2108293385609278876355276867318998630 4.0/15

+ sign 1090.539+/-0.000 χ^2/NDF: 44210985143786

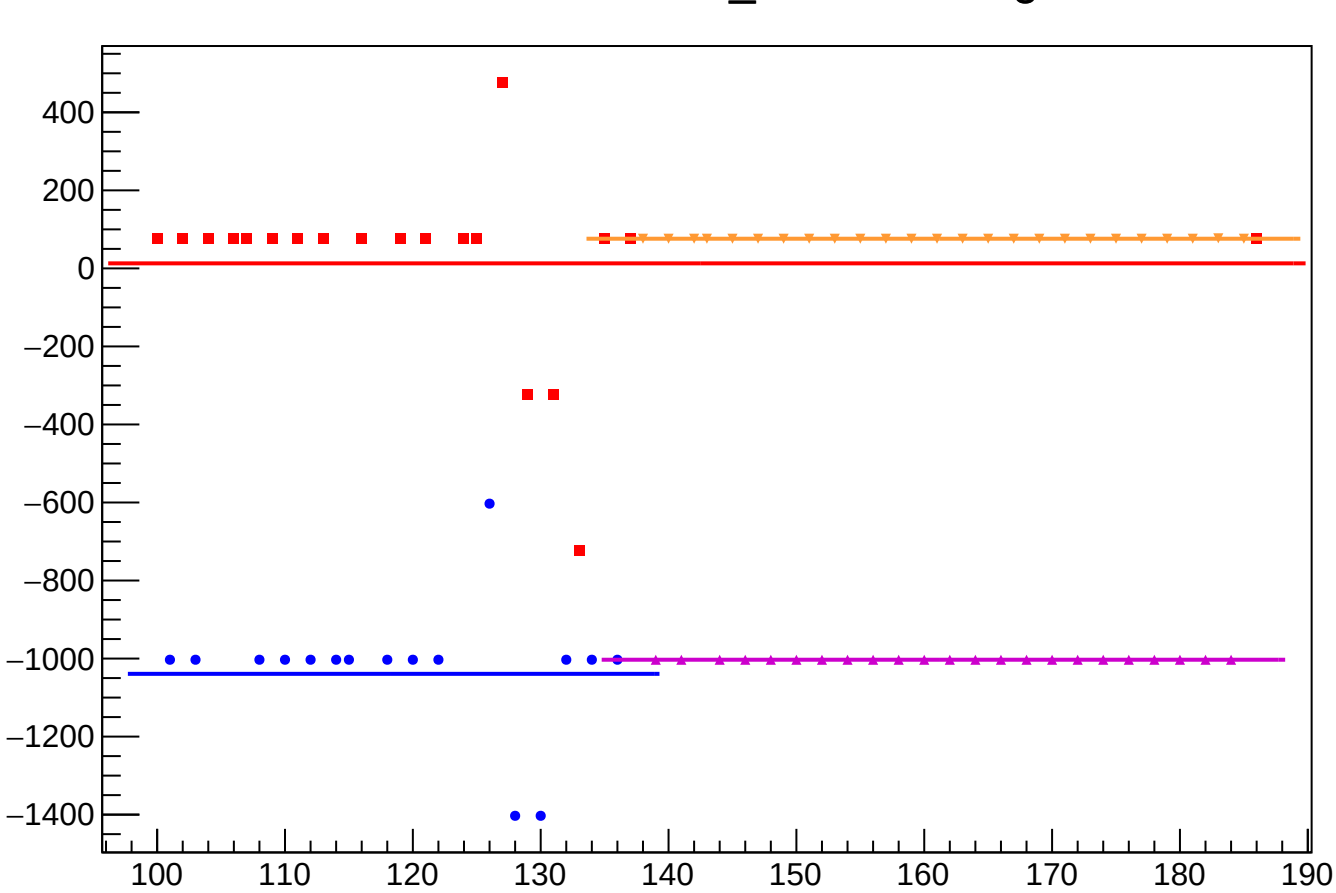
Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974 72.0/24

All: 1034.790+/-0.000 χ^2/NDF: 1420367224

Right Out: 1176.817+/-0.000 χ^2/NDF: 2218231600964650731280965700091 1699968.0/19

- sign 978.055+/-0.000 χ^2/NDF: 805243285087553

Left In: 894.107+/-0.000 χ^2/NDF:131072382992117127838961838029642 13760.0/22



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

+ sign -223.465+/-0.000 χ^2/NDF: 69693337739556

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

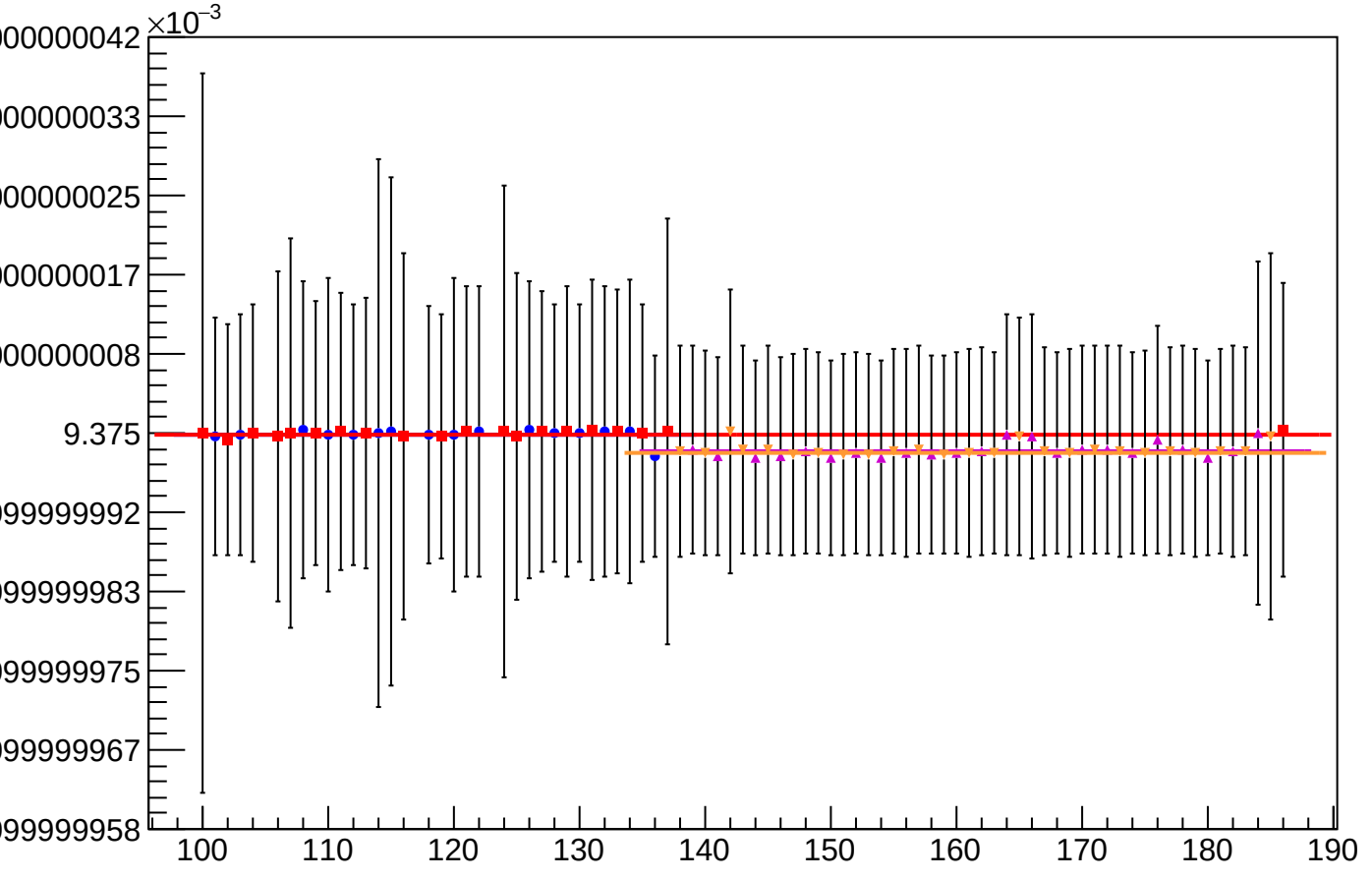
All: -460.302+/-0.000 χ^2/NDF: 1639519489

Right Out: 12.905+/-0.000 χ^2/NDF: 46233960347844670329065396589215875072.0/19

- sign -701.332+/-0.000 χ^2/NDF: 630332819313597

Left In: -1002.990+/-0.000 χ^2/NDF:29519559033483147530972692 48.0/22

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/19

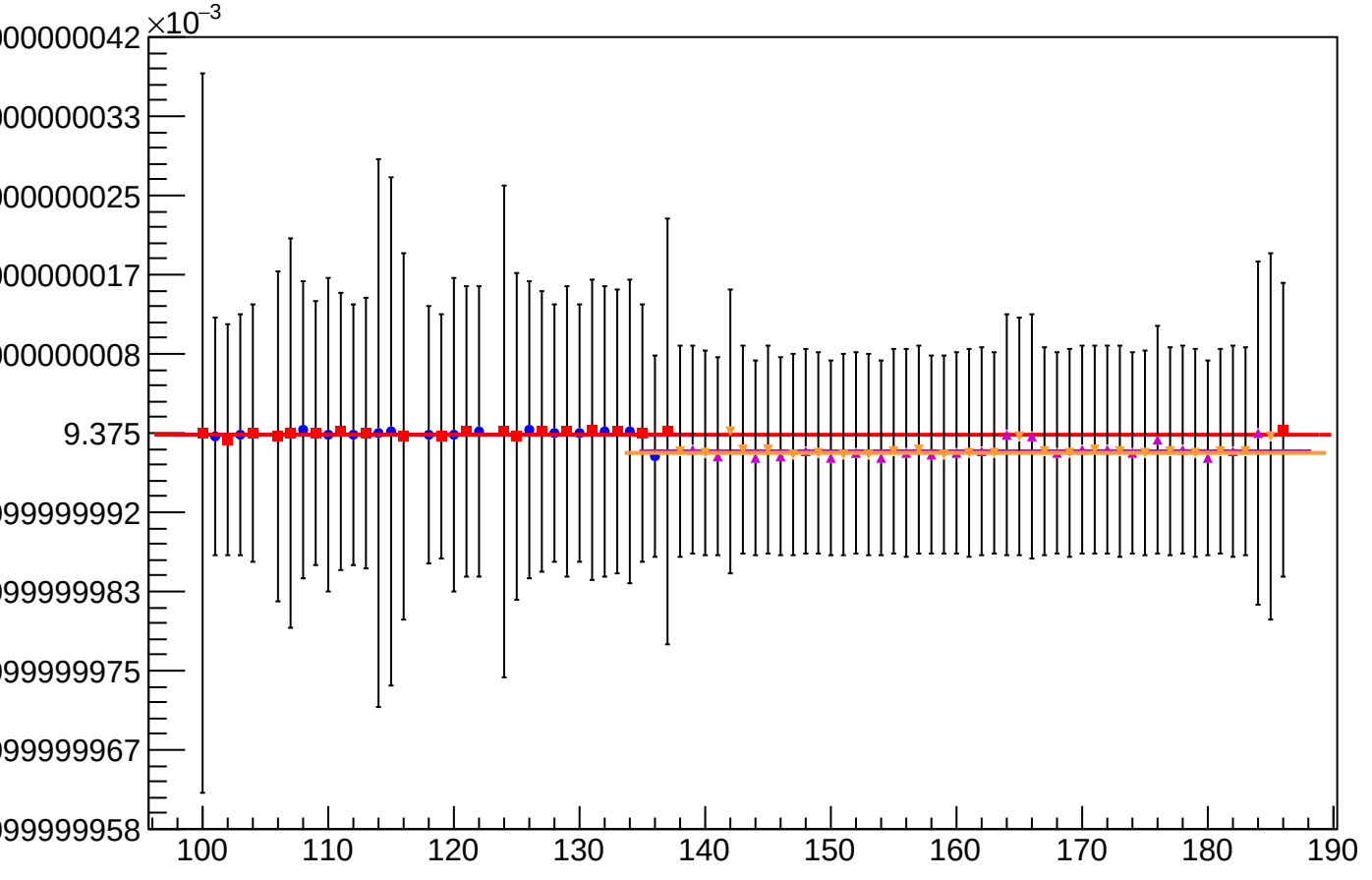
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/40

All: 0.009+/-0.000 χ^2/NDF: 0.5/83

- sign 0.009+/-0.000 χ^2/NDF: 0.3/42

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

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: 0.2/40

All: 0.009+/-0.000 χ^2/NDF: 0.5/83

- sign 0.009+/-0.000 χ^2/NDF: 0.3/42