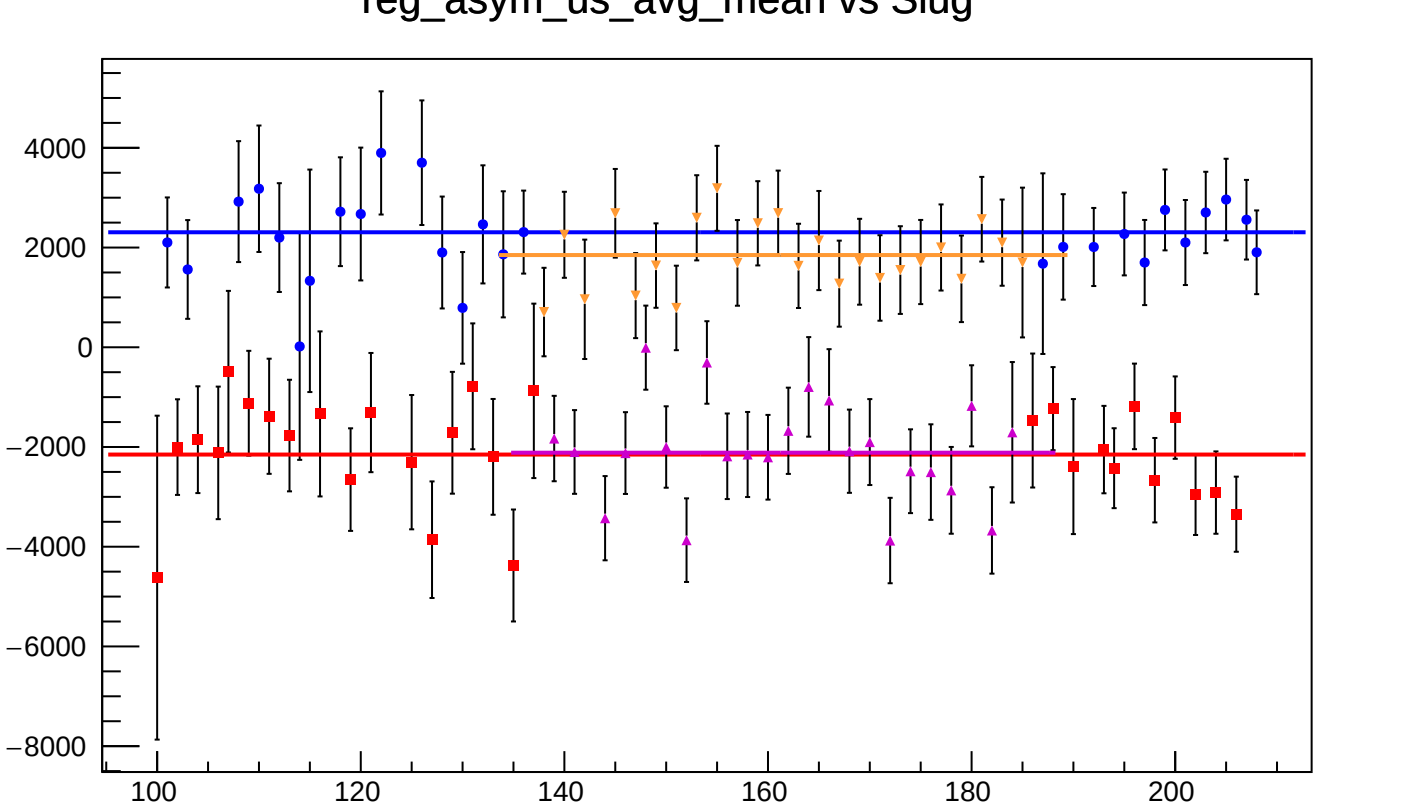


Right In: 2306.510+/-194.684 χ^2/NDF: 10.2/26

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

Right Out: -2151.692+/-195.057 χ^2/NDF: 20.6/28

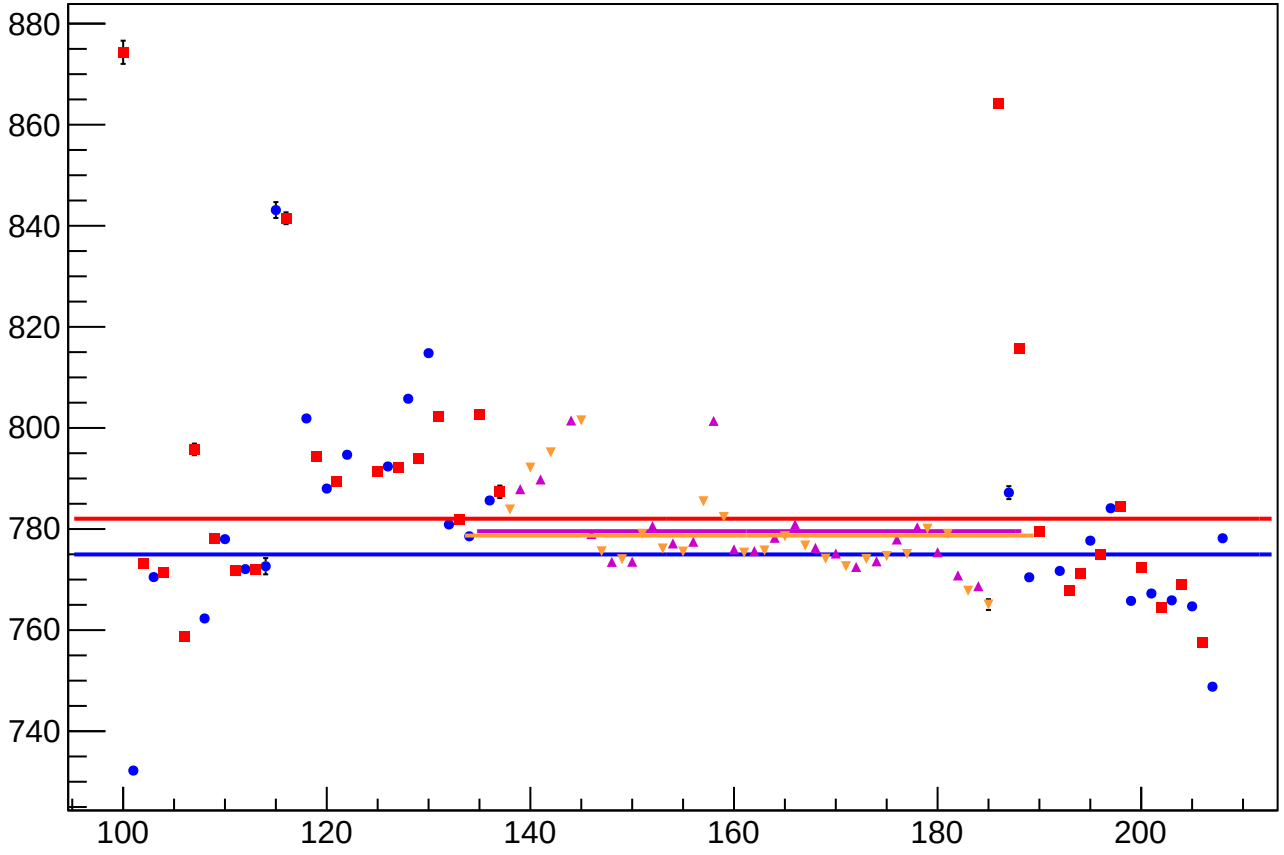
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2061.102+/-132.458 χ^2/NDF: 26.0/50

All: -25.501+/-93.881 χ^2/NDF: 576.4/102

- sign -2131.781+/-133.081 χ^2/NDF: 51.7/51

reg_asym_us_avg_rms vs Slug



Right In: 774.973+/-0.138 χ^2/NDF: 16951.9/26

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

Right Out: 782.043+/-0.138 χ^2/NDF: 23306.7/28

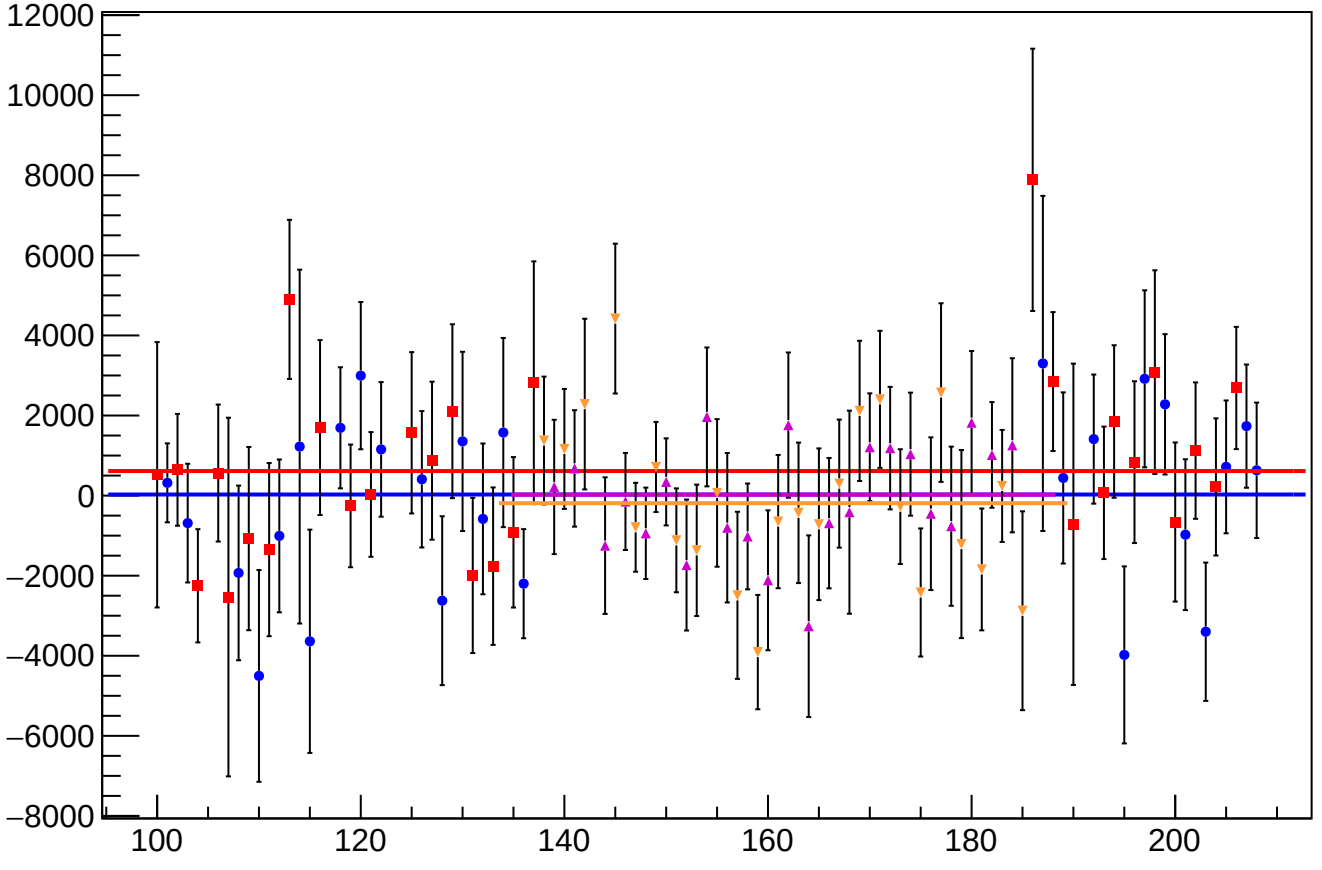
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 776.979+/-0.094 χ^2/NDF: 20737.0/50

All: 778.843+/-0.066 χ^2/NDF: 49183.0/102

- sign 780.724+/-0.094 χ^2/NDF: 27650.7/51

asym_us_avg_reg_correction_mean vs Slug



Right In: 27.301+/-347.203 χ^2/NDF: 29.4/26

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

Right Out: 613.570+/-359.644 χ^2/NDF: 27.1/28

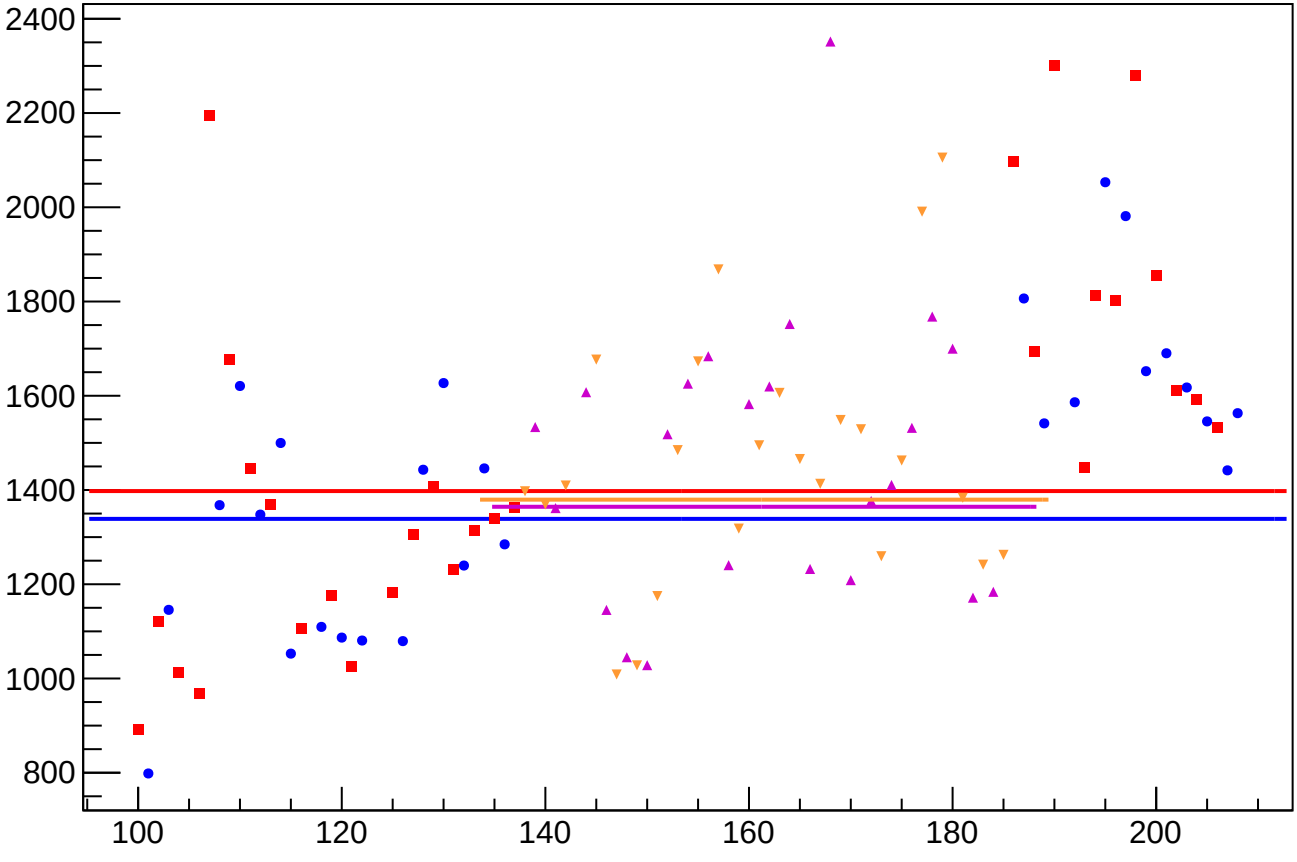
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -87.106+/-238.306 χ^2/NDF: 59.2/50

All: 98.778+/-169.612 χ^2/NDF: 102.5/102

\- sign 289.616+/-241.460 χ^2/NDF: 42.0/51

asym_us_avg_reg_correction_rms vs Slug



Right In: 1338.730+/-0.246 χ^2/NDF: 1638248.7/26

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

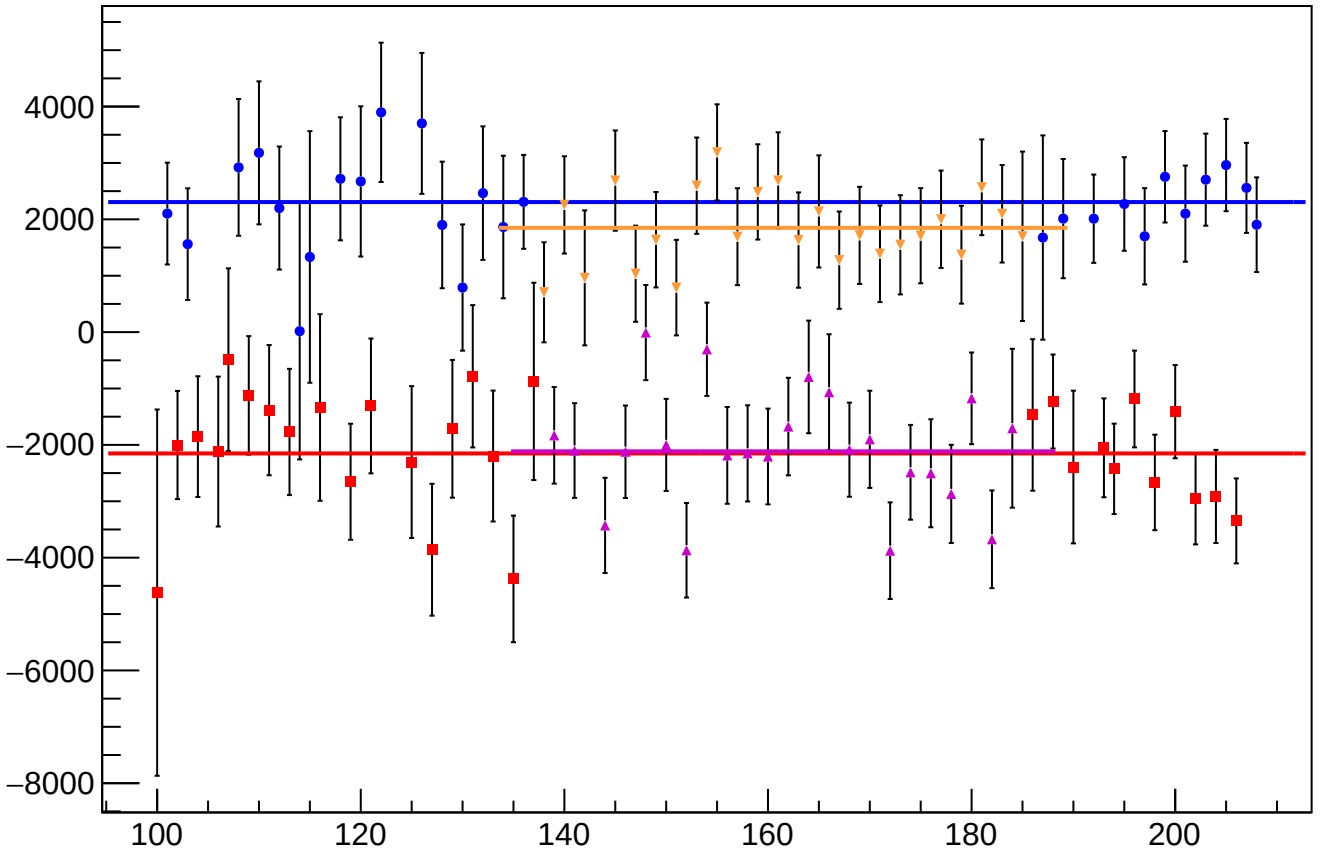
Right Out: 1397.734+/-0.254 χ^2/NDF: 1581559.1/28

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

+ sign 1360.313+/-0.169 χ^2/NDF: 2811328.9/50

All: 1369.747+/-0.120 χ^2/NDF: 5720969.8/10

- sign 1379.432+/-0.171 χ^2/NDF: 2903288.6/51



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

Right Out: -2151.692+/-195.057 χ^2/NDF: 20.6/28

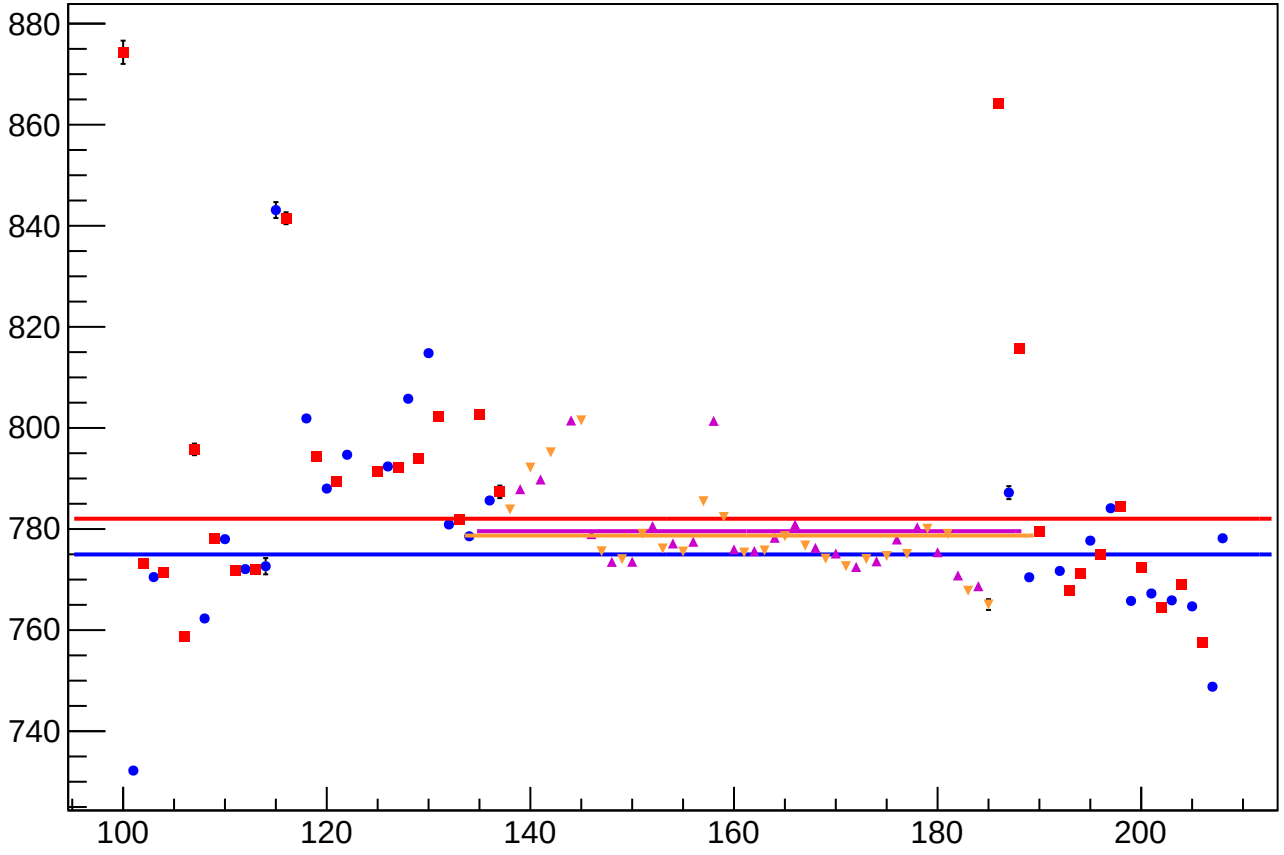
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2061.102+/-132.458 χ^2/NDF: 26.0/50

All: -25.501+/-93.881 χ^2/NDF: 576.4/102

- sign -2131.781+/-133.081 χ^2/NDF: 51.7/51

cor_asym_us_avg_rms vs Slug



Right In: 774.973+/-0.138 χ^2/NDF: 16951.9/26

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

Right Out: 782.043+/-0.138 χ^2/NDF: 23306.7/28

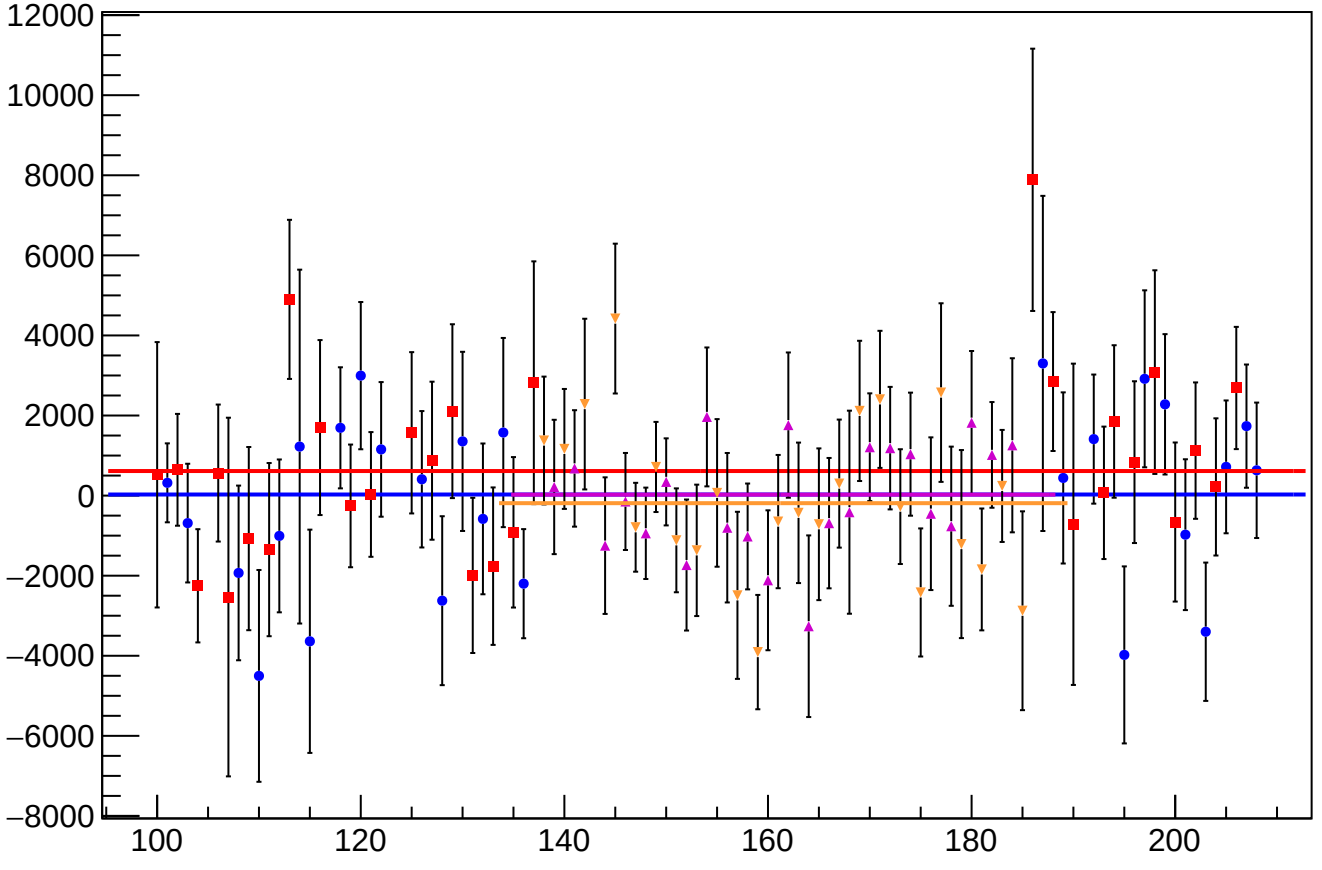
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 776.979+/-0.094 χ^2/NDF: 20737.0/50

All: 778.843+/-0.066 χ^2/NDF: 49183.0/102

- sign 780.724+/-0.094 χ^2/NDF: 27650.7/51

asym_us_avg_cor_correction_mean vs Slug



Right In: 27.301+/-347.203 χ^2/NDF: 29.4/26

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

Right Out: 613.570+/-359.644 χ^2/NDF: 27.1/28

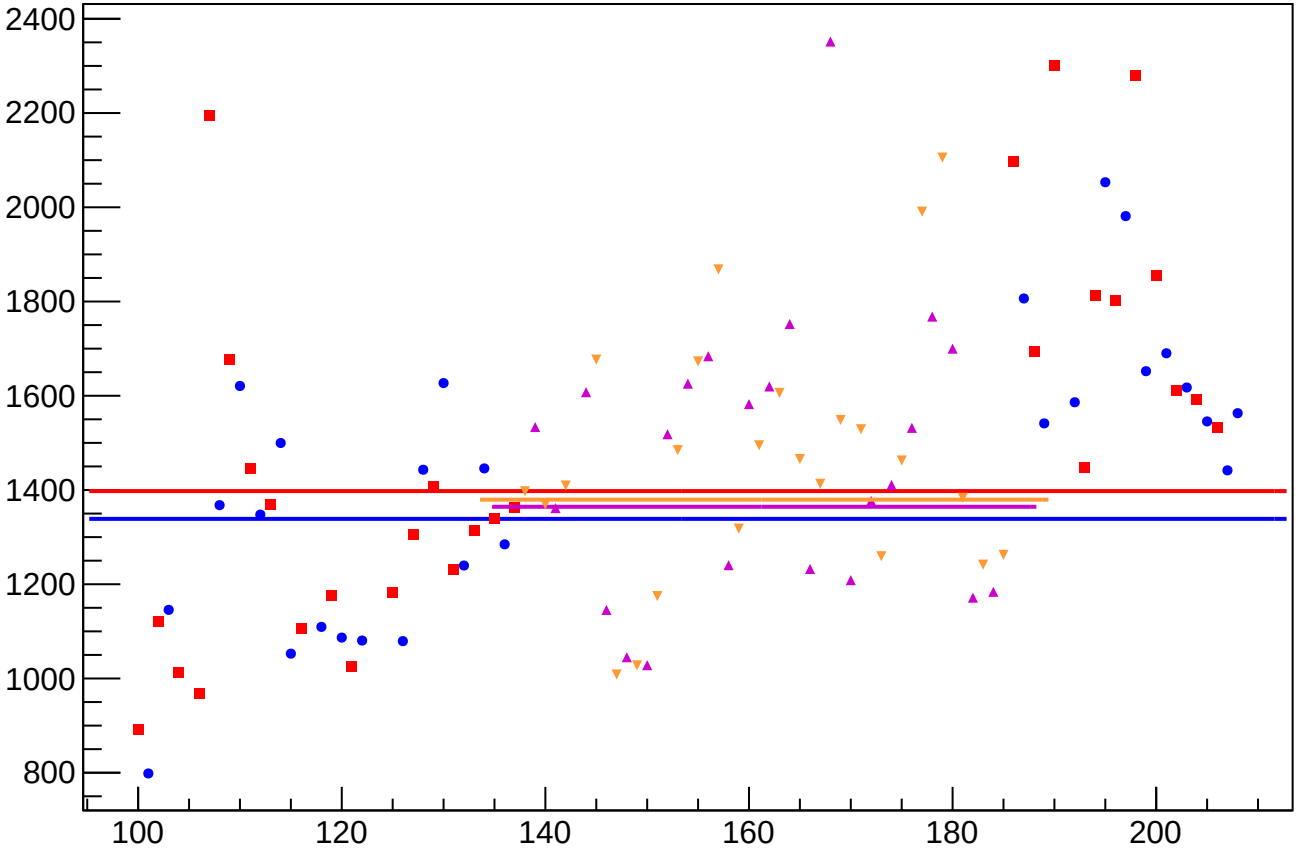
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -87.106+/-238.306 χ^2/NDF: 59.2/50

All: 98.778+/-169.612 χ^2/NDF: 102.5/102

\- sign 289.616+/-241.460 χ^2/NDF: 42.0/51

asym_us_avg_cor_correction_rms vs Slug



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

Right Out: 1397.734+/-0.254 χ^2/NDF: 1581559.1/28

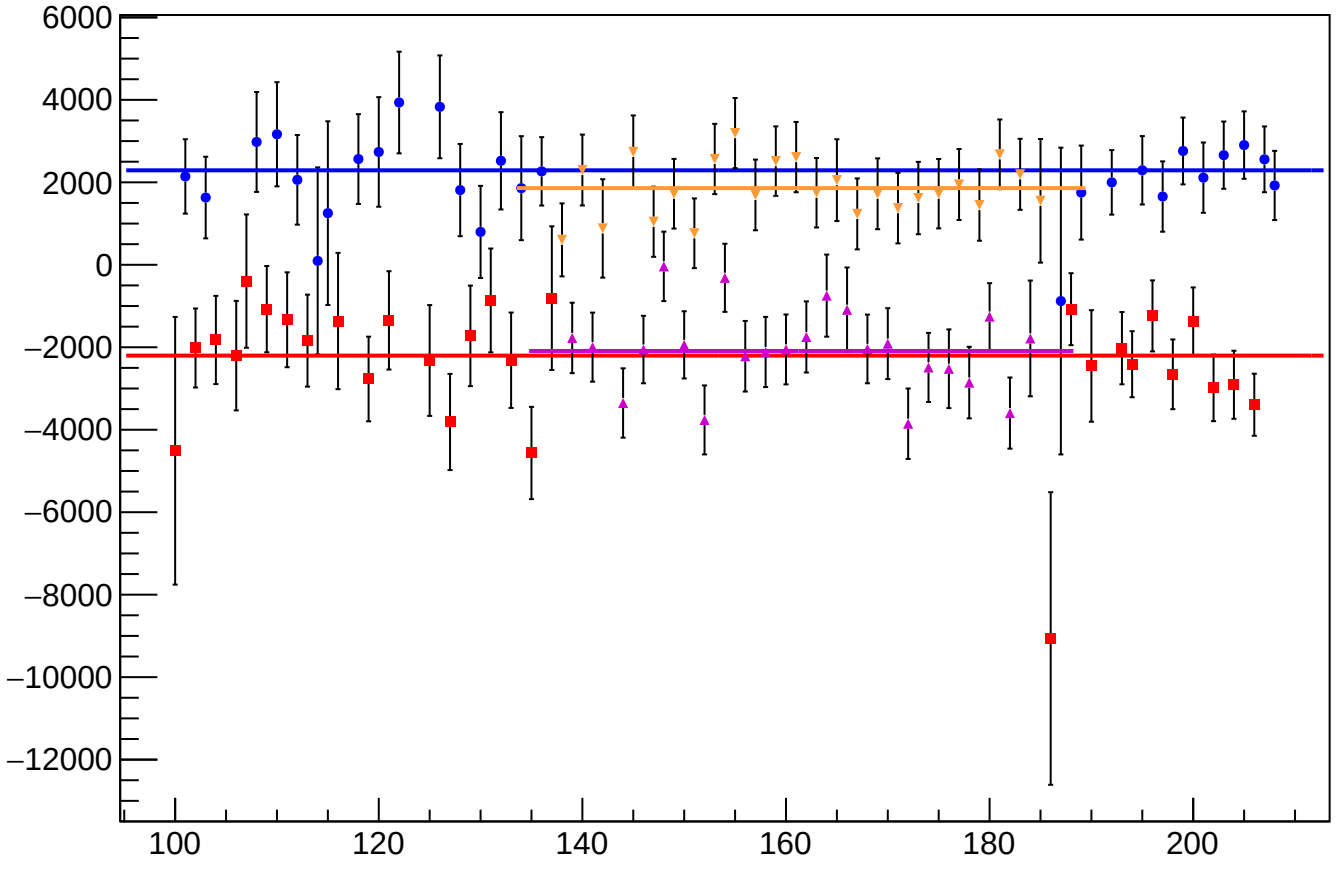
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1360.313+/-0.169 χ^2/NDF: 2811328.9/50

All: 1369.747+/-0.120 χ^2/NDF: 5720969.8/10

- sign 1379.432+/-0.171 χ^2/NDF: 2903288.6/51

overload_cor_asym_us_avg_mean vs Slug



Right In: 2291.293+/-195.706 χ^2/NDF: 11.2/26

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

Right Out: -2202.298+/-197.075 χ^2/NDF: 25.4/28

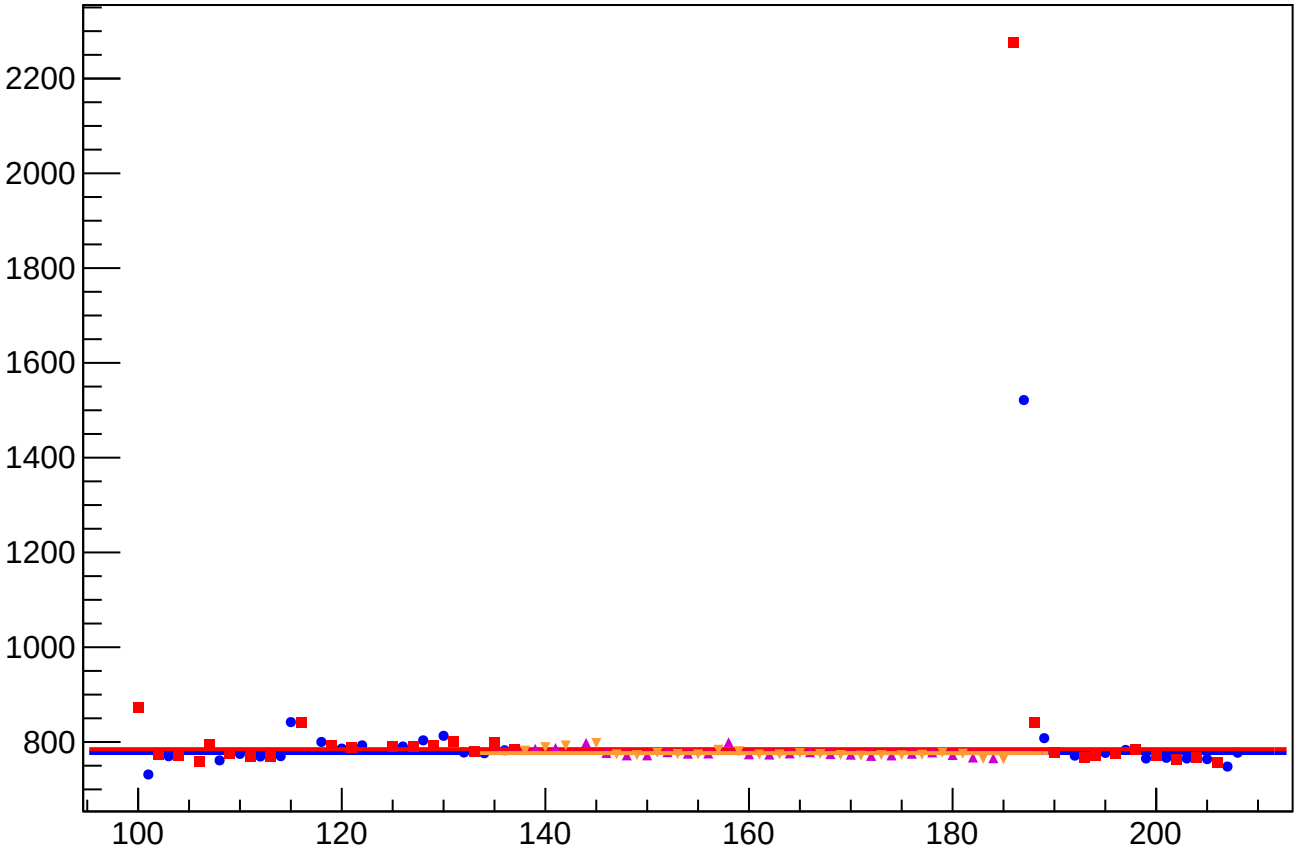
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 2057.667+/-132.576 χ^2/NDF: 27.3/50

All: -26.970+/-94.076 χ^2/NDF: 580.5/102

- sign -2141.269+/-133.516 χ^2/NDF: 55.2/51

overload_cor_asym_us_avg_rms vs Slug



Right In: 776.807+/-0.138 χ^2/NDF: 98325.6/26

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

Right Out: 784.918+/-0.139 χ^2/NDF: 375825.4/28

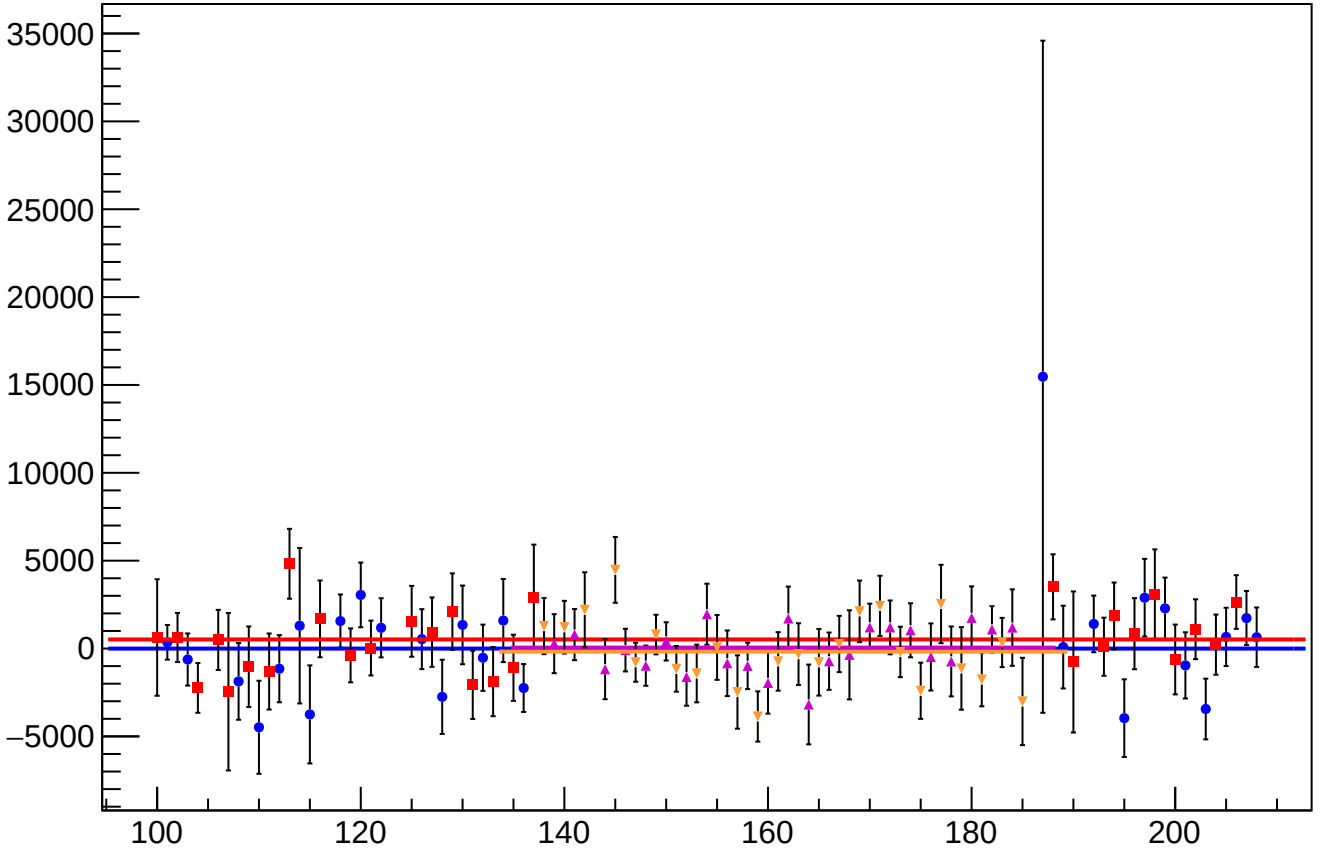
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

+ sign 776.653+/-0.094 χ^2/NDF: 101465.0/50

All: 778.740+/-0.067 χ^2/NDF: 483920.3/102

- sign 780.857+/-0.094 χ^2/NDF: 381456.7/51

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: -2.659+/-349.408 χ^2/NDF: 29.7/26

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

Right Out: 516.855+/-363.048 χ^2/NDF: 23.0/27

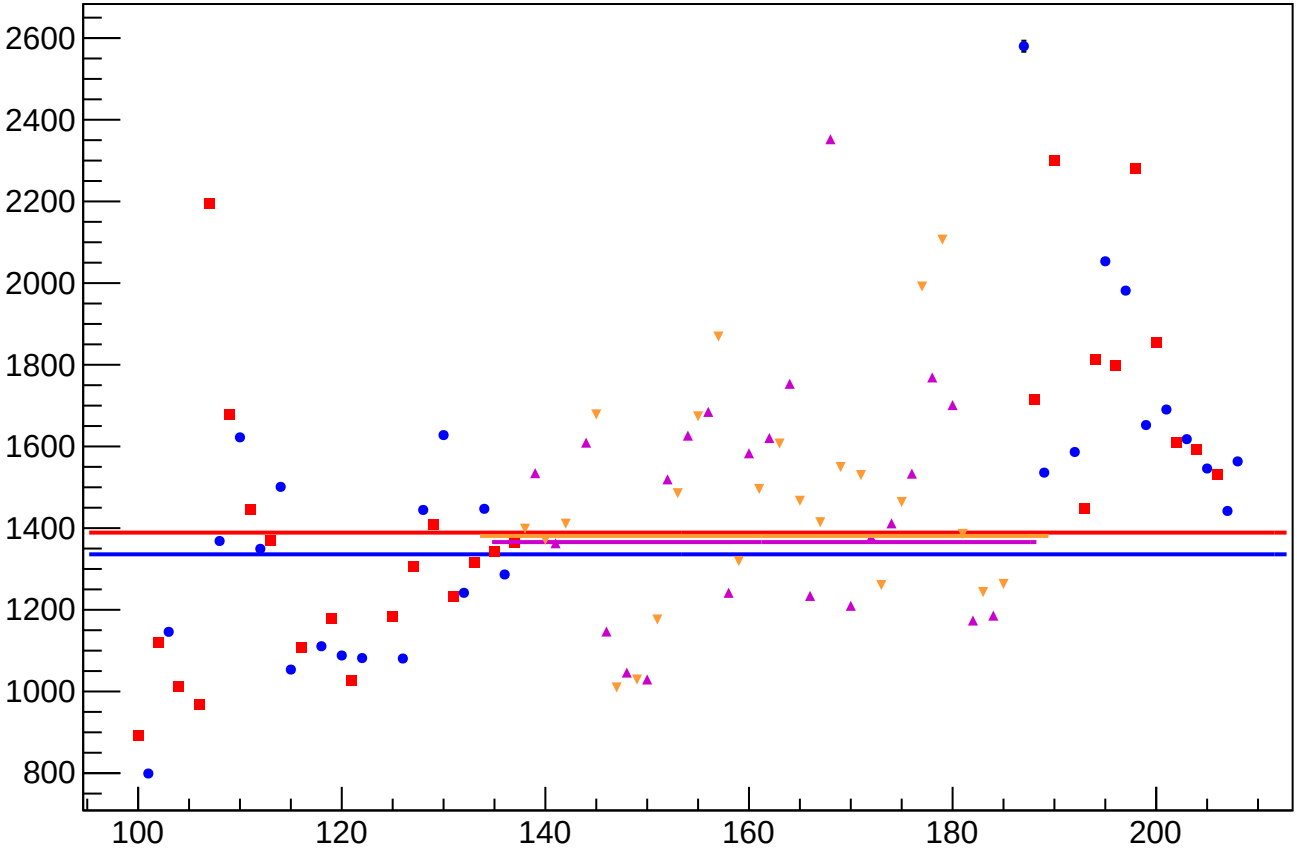
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

+ sign -94.237+/-239.138 χ^2/NDF: 59.4/50

All: 80.351+/-170.311 χ^2/NDF: 97.4/101

- sign 260.047+/-242.612 χ^2/NDF: 36.9/50

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1335.856+/-0.247 χ^2/NDF: 1613355.1/26

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

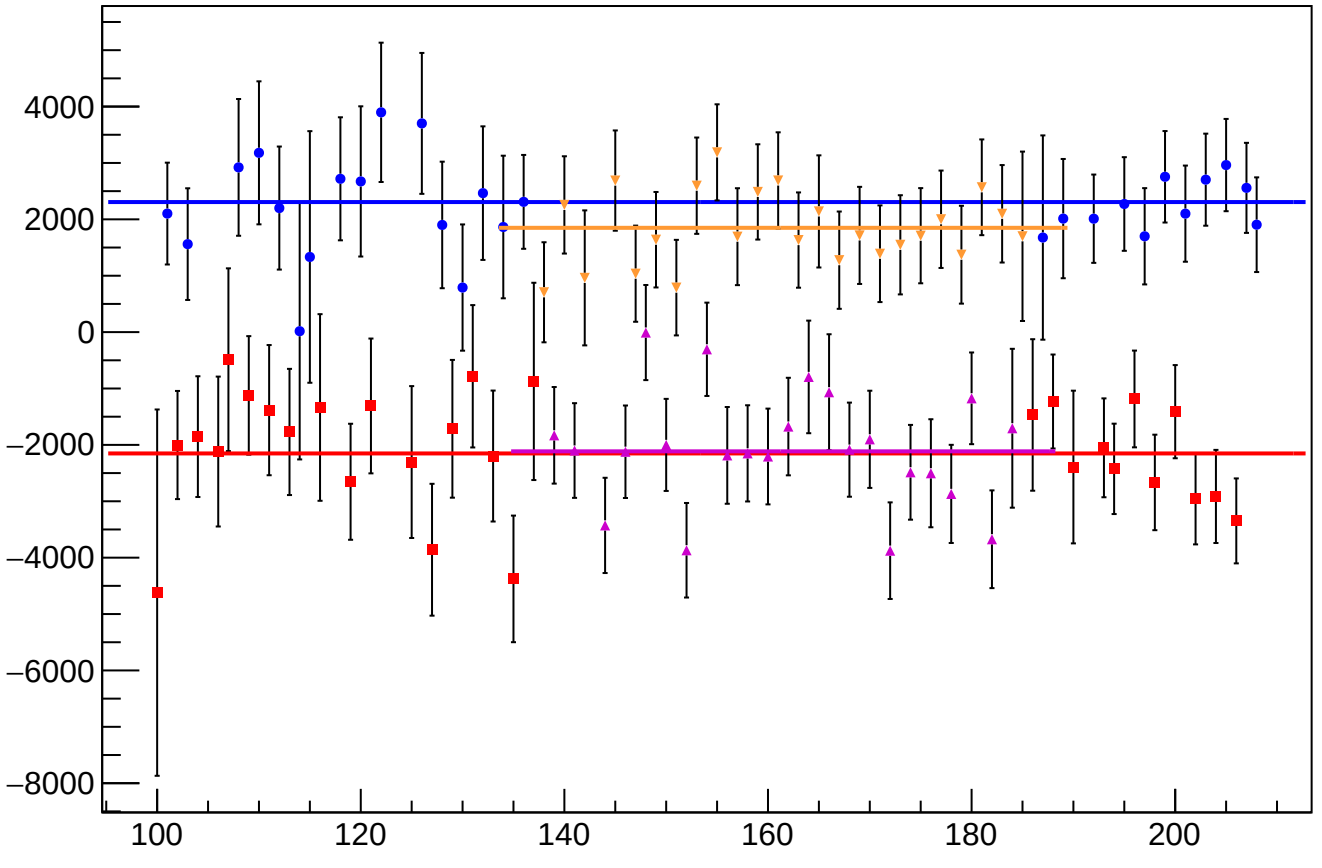
Right Out: 1389.046+/-0.257 χ^2/NDF: 1482955.6/27

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

+ sign 1359.829+/-0.169 χ^2/NDF: 2786502.4/50

All: 1367.890+/-0.120 χ^2/NDF: 5587466.2/10

- sign 1376.187+/-0.172 χ^2/NDF: 2796351.7/50



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

Right Out: -2151.692+/-195.057 χ^2/NDF: 20.6/28

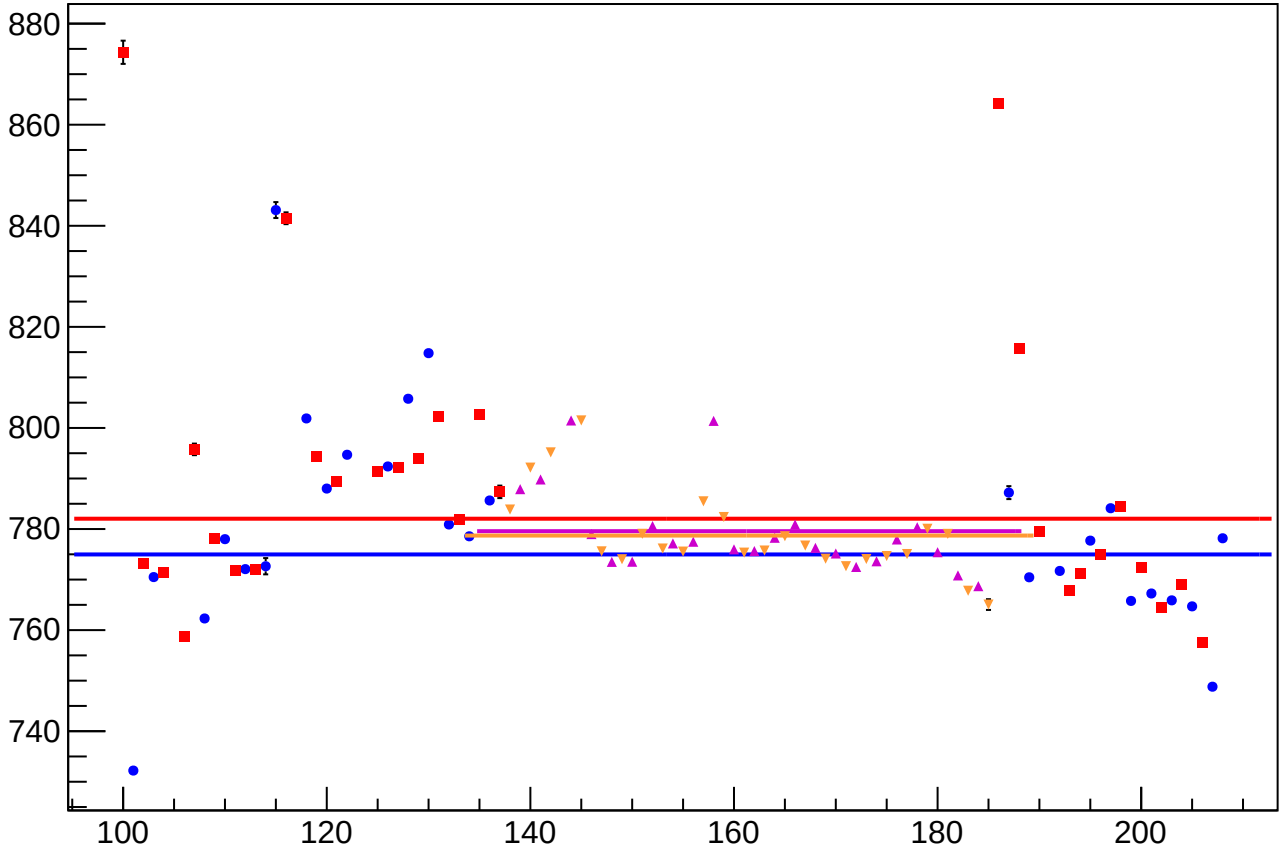
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2061.102+/-132.458 χ^2/NDF: 26.0/50

All: -25.501+/-93.881 χ^2/NDF: 576.4/102

- sign -2131.781+/-133.081 χ^2/NDF: 51.7/51

eigen_cor_asym_us_avg_rms vs Slug



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

Right Out: 782.043+/-0.138 χ^2/NDF: 23306.7/28

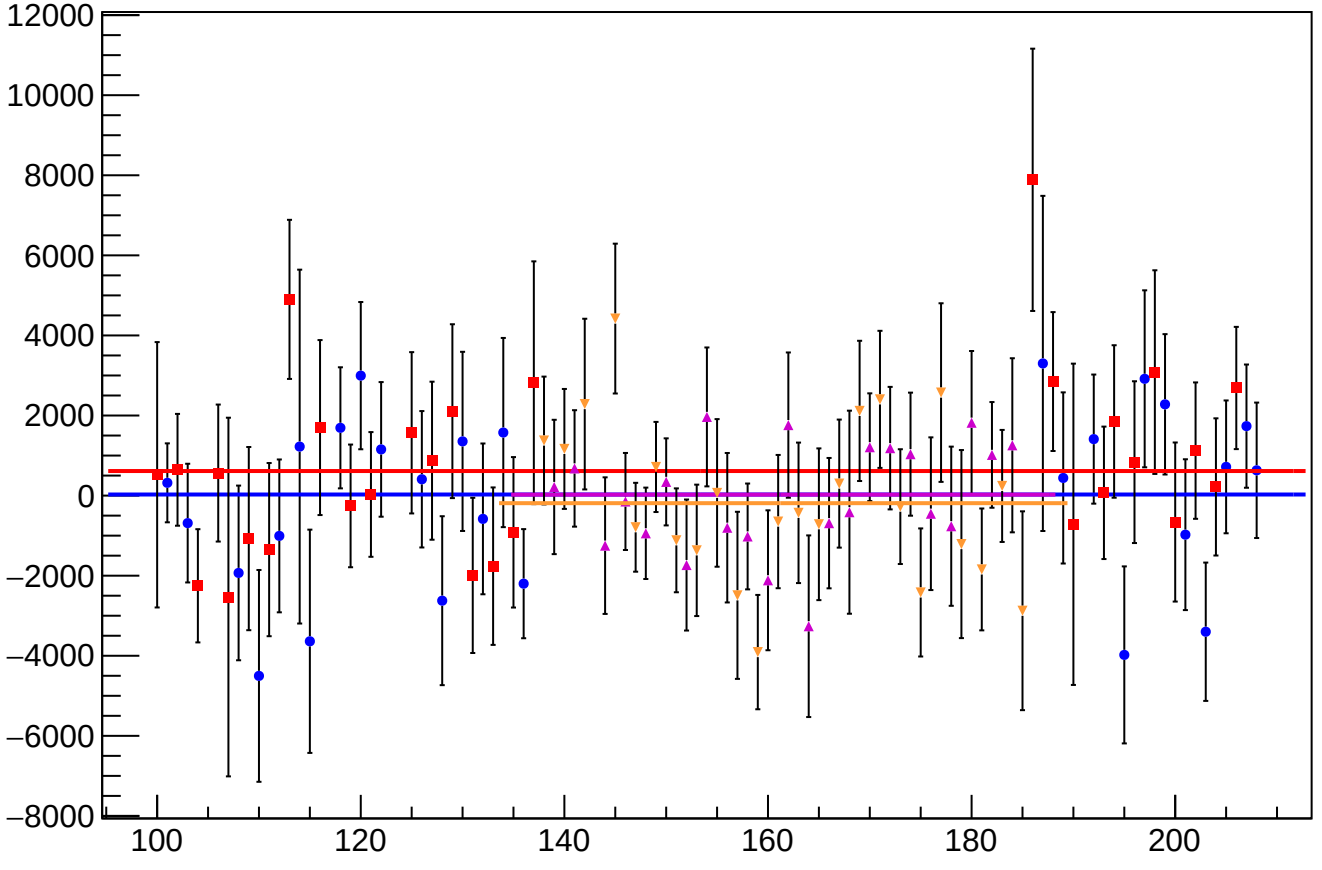
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 776.979+/-0.094 χ^2/NDF: 20737.0/50

All: 778.843+/-0.066 χ^2/NDF: 49183.0/102

- sign 780.724+/-0.094 χ^2/NDF: 27650.7/51

asym_us_avg_eigen_cor_correction_mean vs Slug



Right In: 27.301+/-347.203 χ^2/NDF: 29.4/26

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Right Out: 613.570+/-359.644 χ^2/NDF: 27.1/28

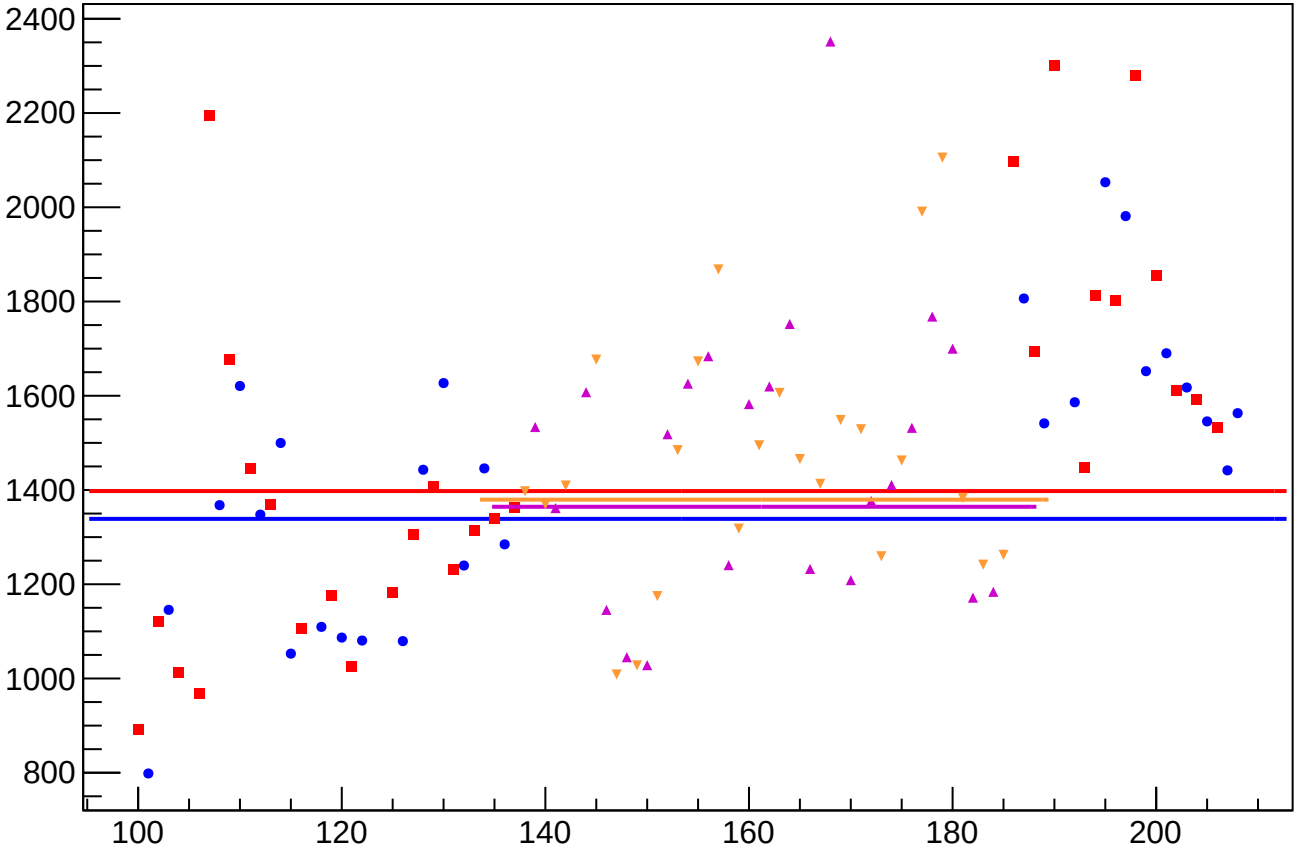
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -87.106+/-238.306 χ^2/NDF: 59.2/50

All: 98.778+/-169.612 χ^2/NDF: 102.5/102

\- sign 289.616+/-241.460 χ^2/NDF: 42.0/51

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Right Out: 1397.734+/-0.254 χ^2/NDF: 1581559.1/28

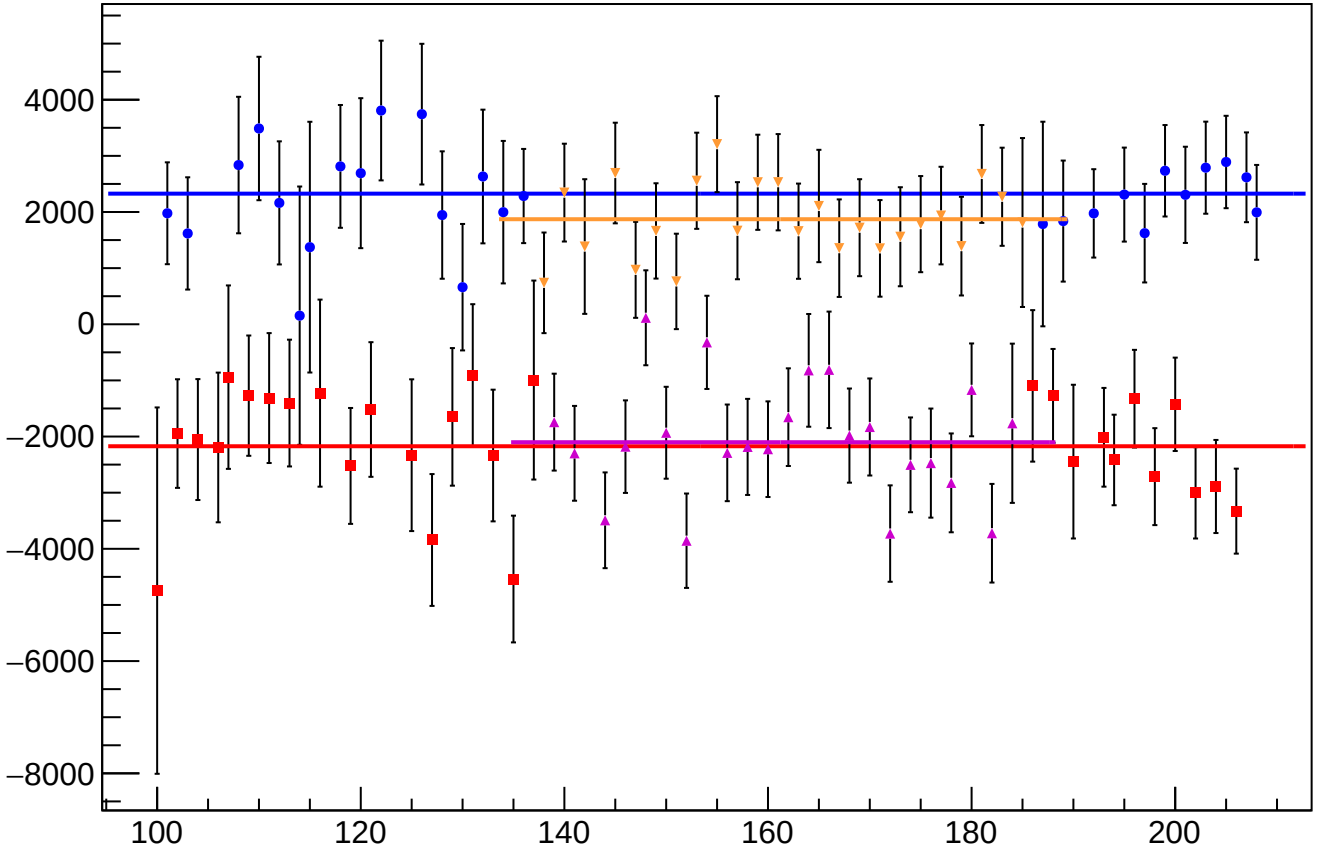
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1360.313+/-0.169 χ^2/NDF: 2811328.9/50

All: 1369.747+/-0.120 χ^2/NDF: 5720969.8/10

- sign 1379.432+/-0.171 χ^2/NDF: 2903288.6/51

dit_asym_us_avg_mean vs Slug



Right In: 2326.947+/-196.081 χ^2/NDF: 10.6/26

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

Right Out: -2172.985+/-196.472 χ^2/NDF: 20.0/28

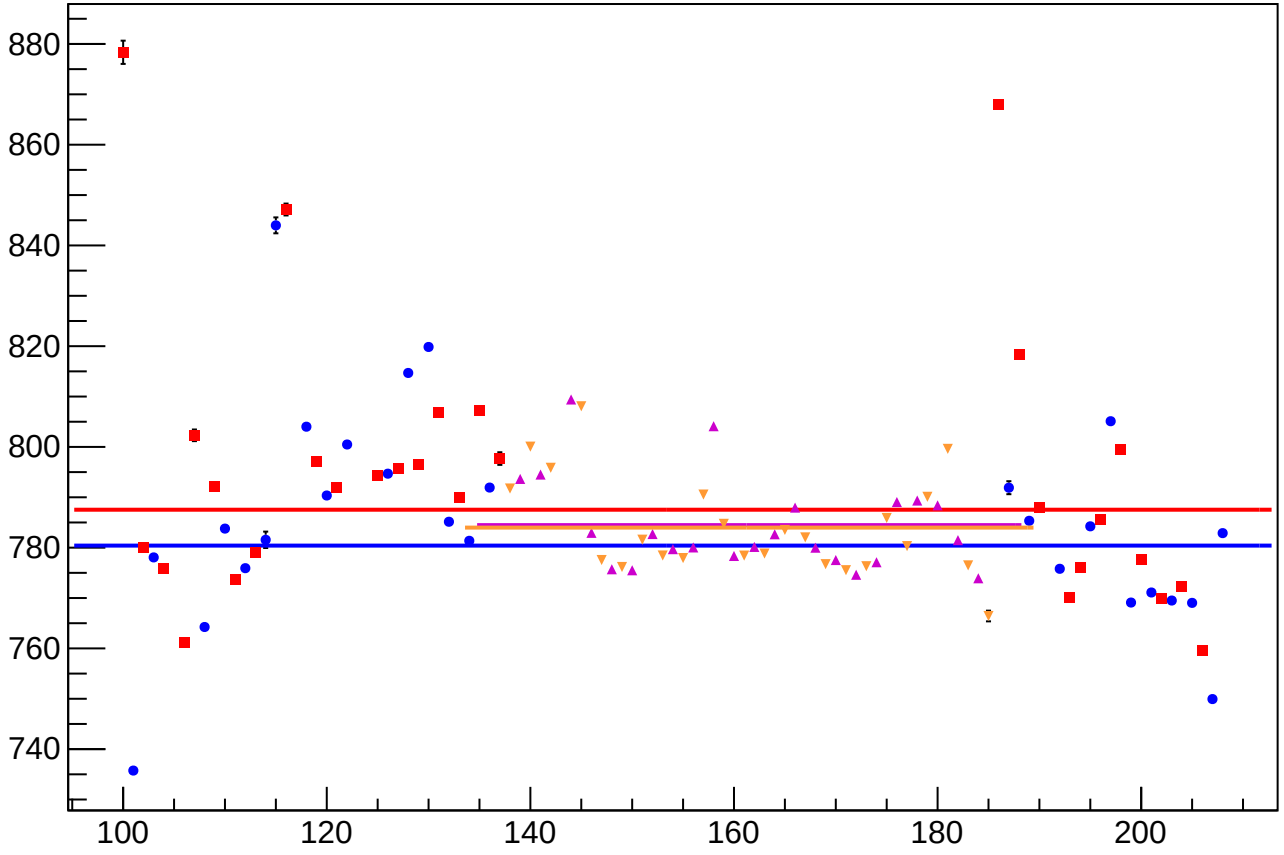
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2082.232+/-133.385 χ^2/NDF: 26.0/50

All: -16.739+/-94.527 χ^2/NDF: 575.3/102

- sign -2134.500+/-133.980 χ^2/NDF: 51.8/51

dit_asym_us_avg_rms vs Slug



Right In: 780.409+/-0.139 χ^2/NDF: 19477.5/26

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

Right Out: 787.533+/-0.139 χ^2/NDF: 23483.4/28

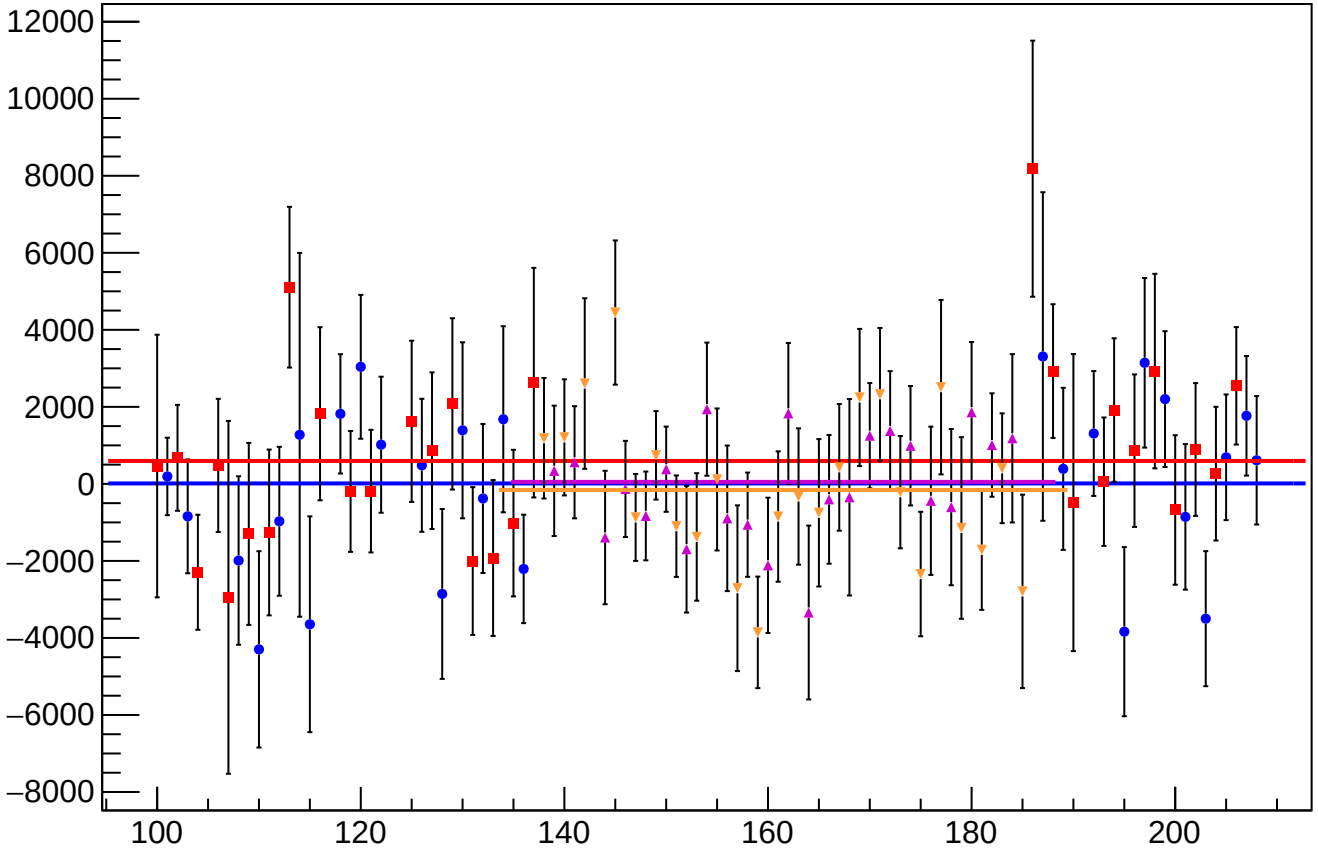
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 782.328+/-0.094 χ^2/NDF: 24762.2/50

All: 784.104+/-0.067 χ^2/NDF: 54145.0/102

- sign 785.896+/-0.095 χ^2/NDF: 28670.7/51

asym_us_avg_dit_correction_mean vs Slug



Right In: 11.690+/-351.361 χ^2/NDF: 29.2/26

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

Right Out: 595.415+/-363.743 χ^2/NDF: 27.2/28

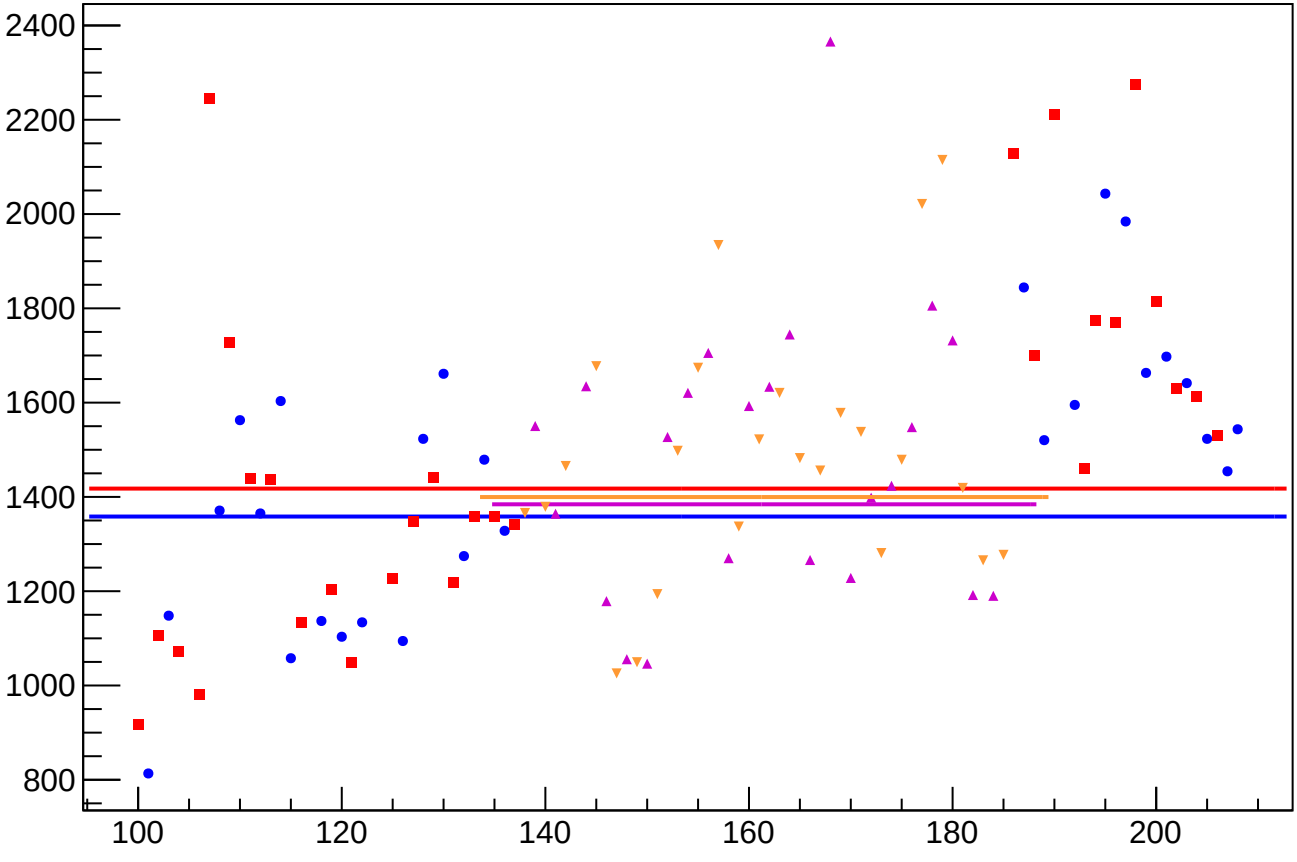
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -78.583+/-241.387 χ^2/NDF: 58.5/50

All: 107.053+/-171.773 χ^2/NDF: 101.5/102

- sign 297.493+/-244.490 χ^2/NDF: 41.8/51

asym_us_avg_dit_correction_rms vs Slug



Right In: 1358.377+/-0.248 χ^2/NDF: 1547976.5/26

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

Right Out: 1417.663+/-0.257 χ^2/NDF: 1449826.6/28

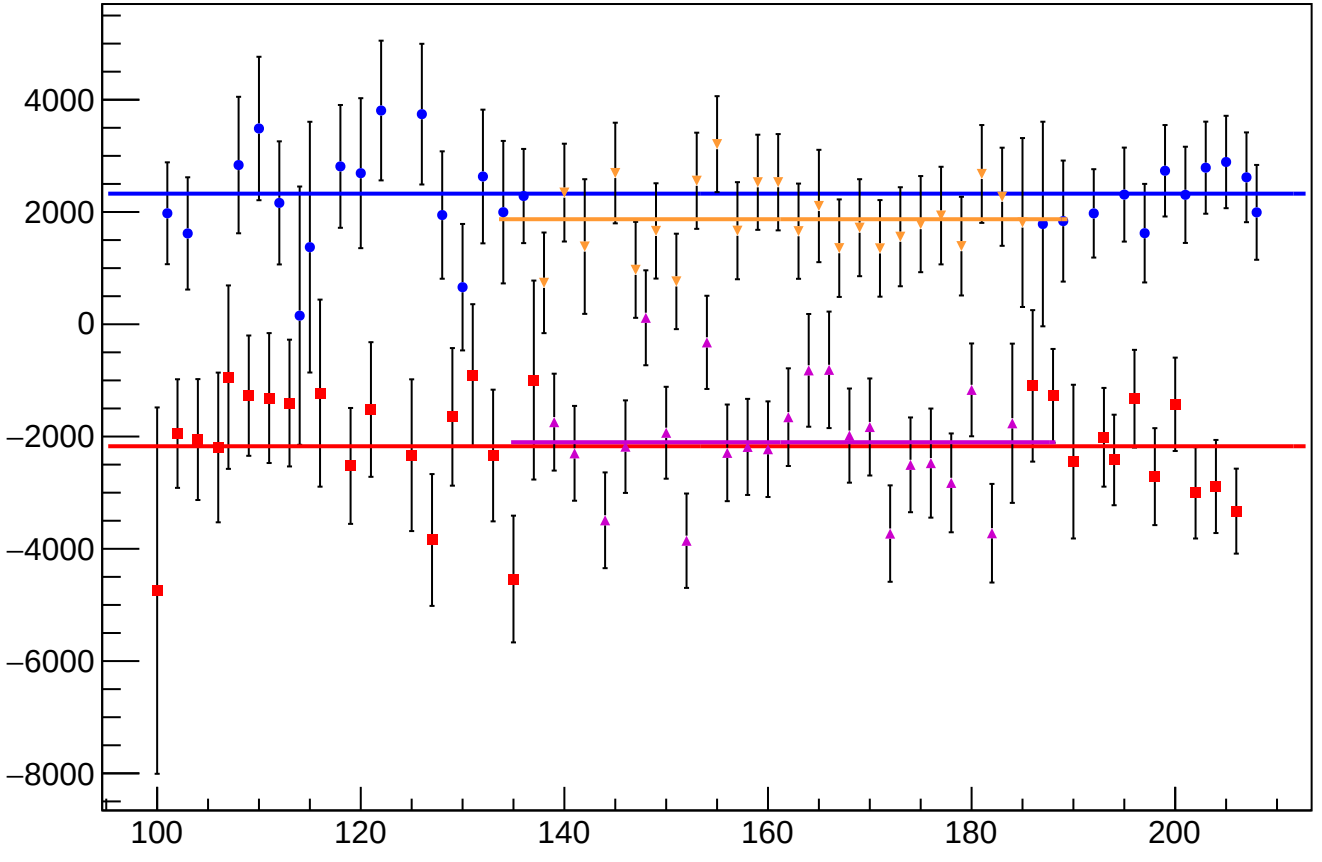
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1380.206+/-0.171 χ^2/NDF: 2698945.2/50

All: 1389.676+/-0.121 χ^2/NDF: 5434150.8/10

- sign 1399.391+/-0.173 χ^2/NDF: 2728969.0/51

eigen_dit_asym_us_avg_mean vs Slug



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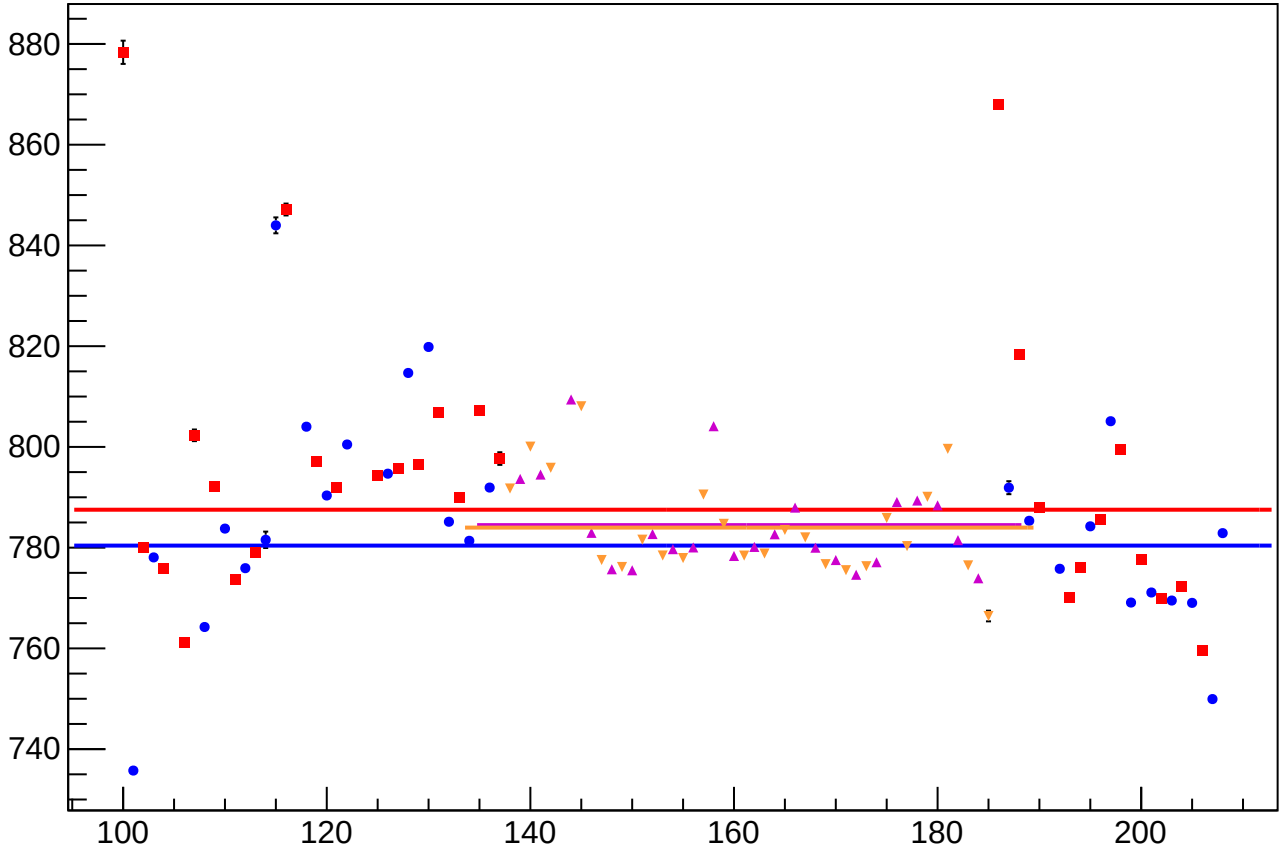
eigen_dit_asym_us_avg_rms vs Slug



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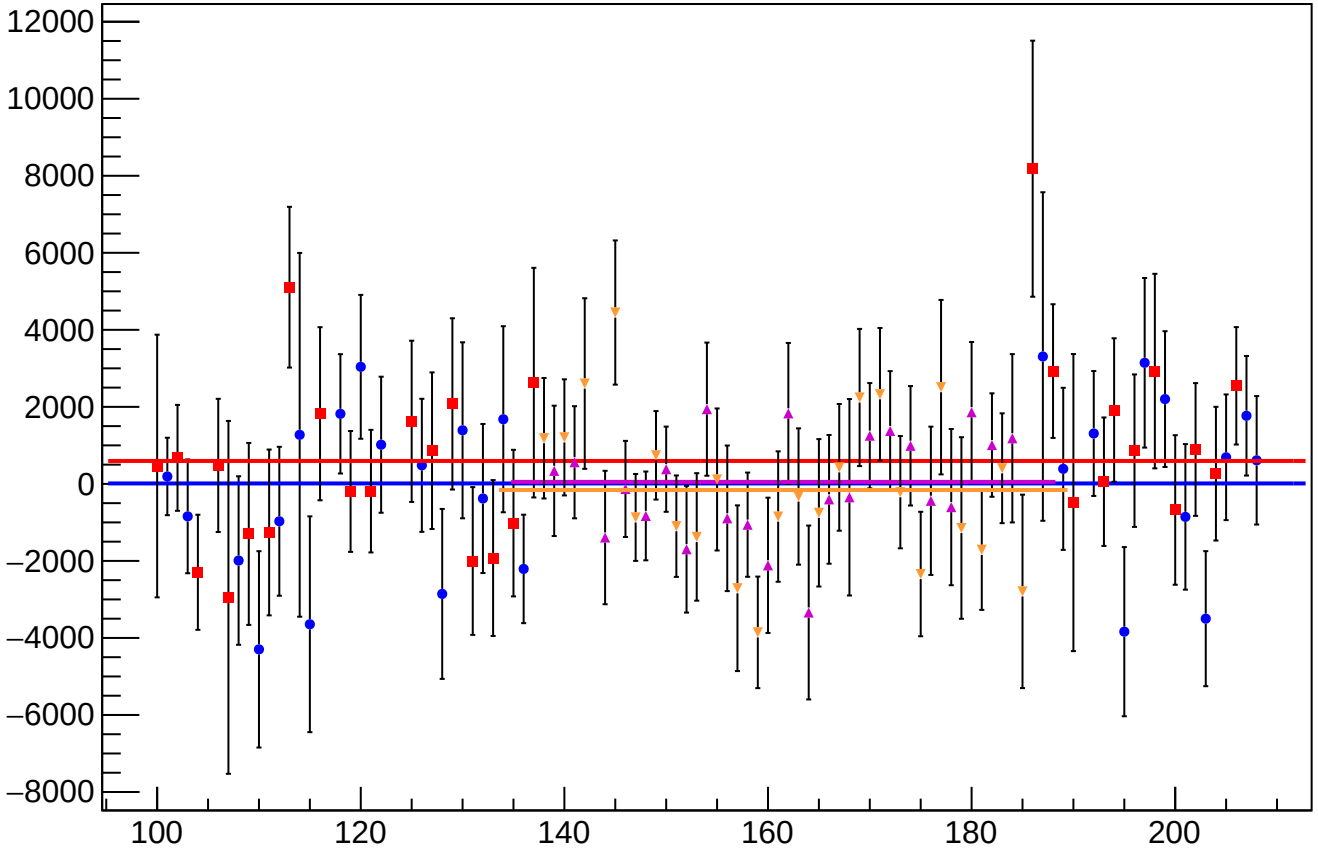
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 782.328+/-0.094 χ^2/NDF: 24762.1/50

All: 784.104+/-0.067 χ^2/NDF: 54144.8/102

- sign 785.896+/-0.095 χ^2/NDF: 28670.6/51

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: 11.690+/-351.361 χ^2/NDF: 29.2/26

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

Right Out: 595.412+/-363.743 χ^2/NDF: 27.2/28

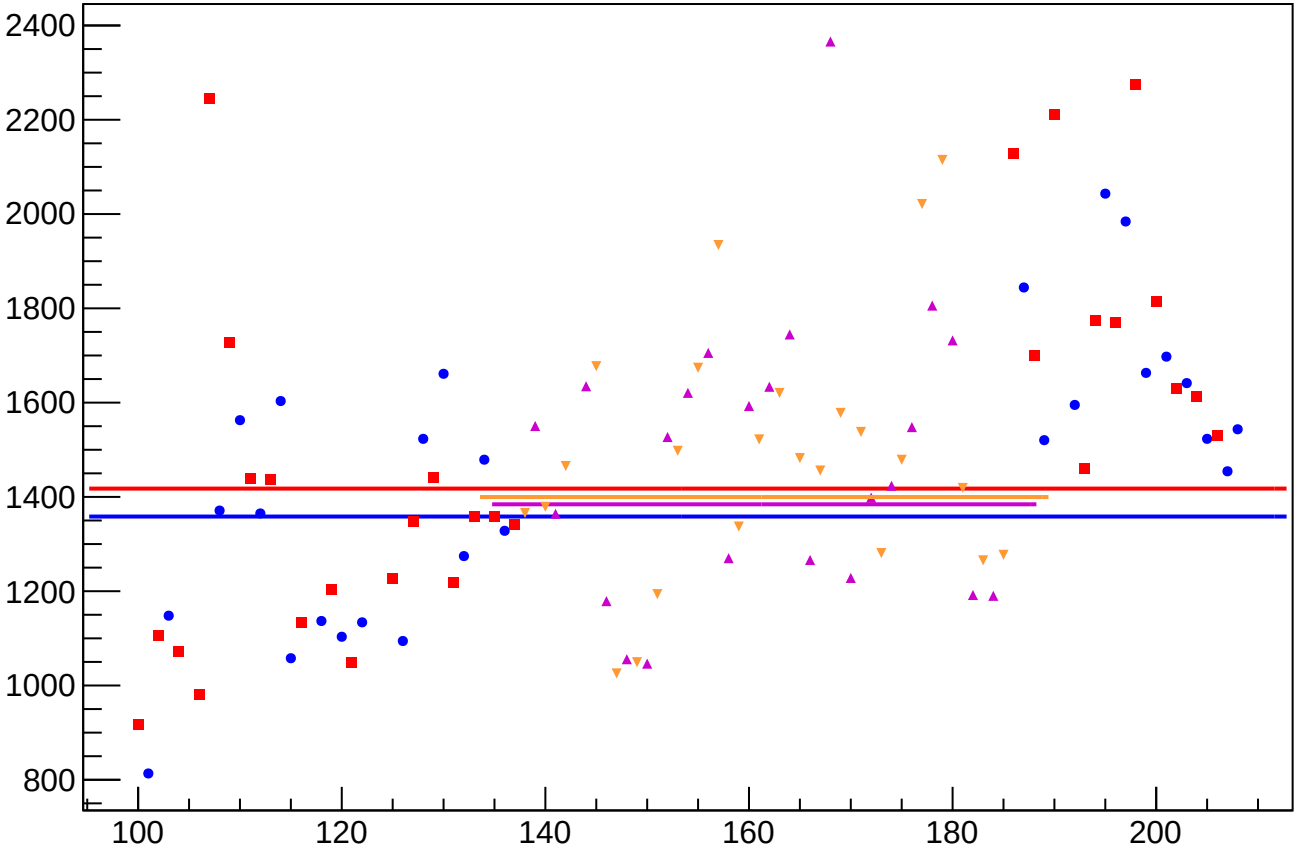
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

\+ sign -78.585+/-241.387 χ^2/NDF: 58.5/50

All: 107.052+/-171.773 χ^2/NDF: 101.5/102

\- sign 297.492+/-244.490 χ^2/NDF: 41.8/51

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1358.376+/-0.248 χ^2/NDF: 1547994.2/26

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

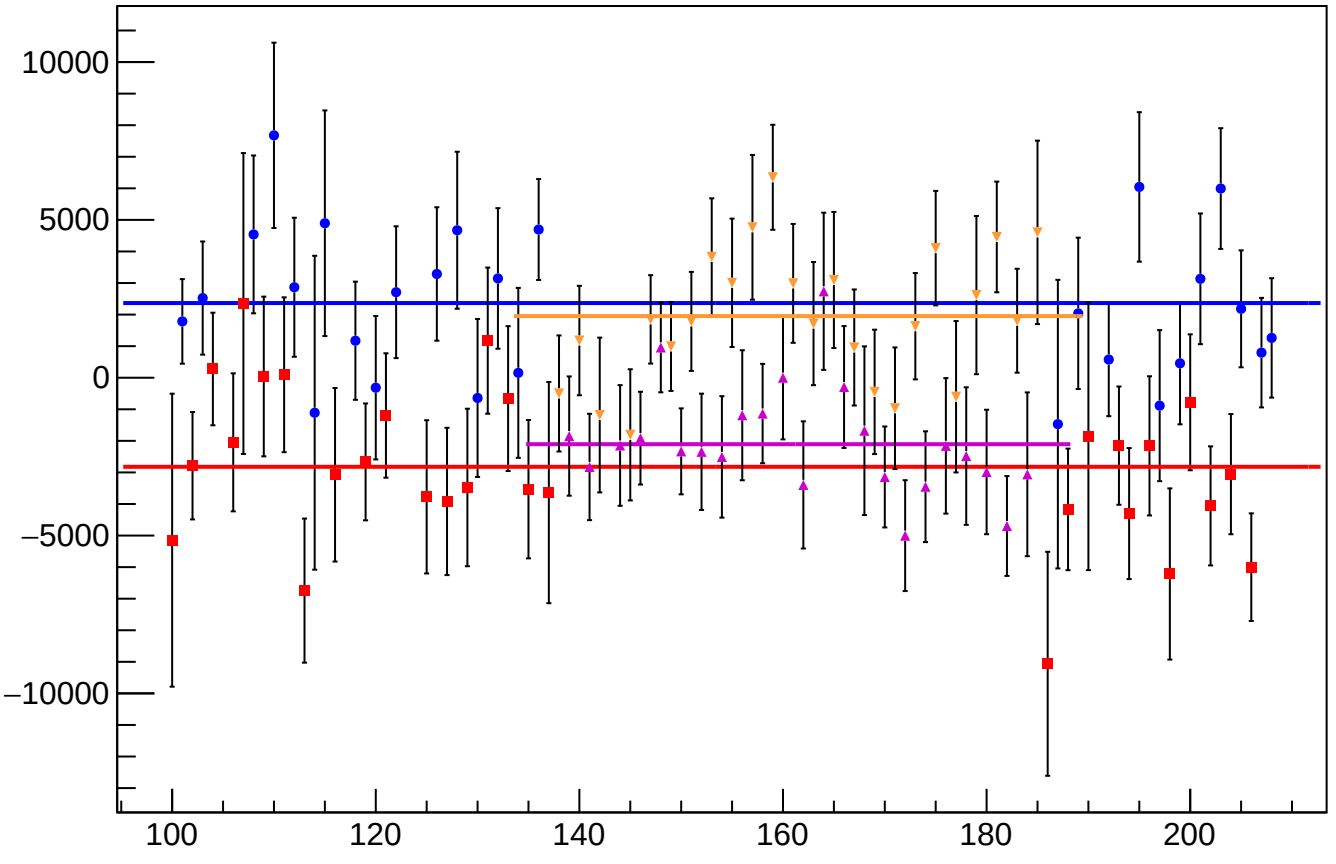
Right Out: 1417.661+/-0.257 χ^2/NDF: 1449845.2/28

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

+ sign 1380.206+/-0.171 χ^2/NDF: 2698966.9/50

All: 1389.677+/-0.121 χ^2/NDF: 5434188.9/10

- sign 1399.392+/-0.173 χ^2/NDF: 2728985.5/51



Right In: 2365.678+/-407.649 χ^2/NDF: 24.4/26

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

Right Out: -2821.570+/-418.229 χ^2/NDF: 26.1/28

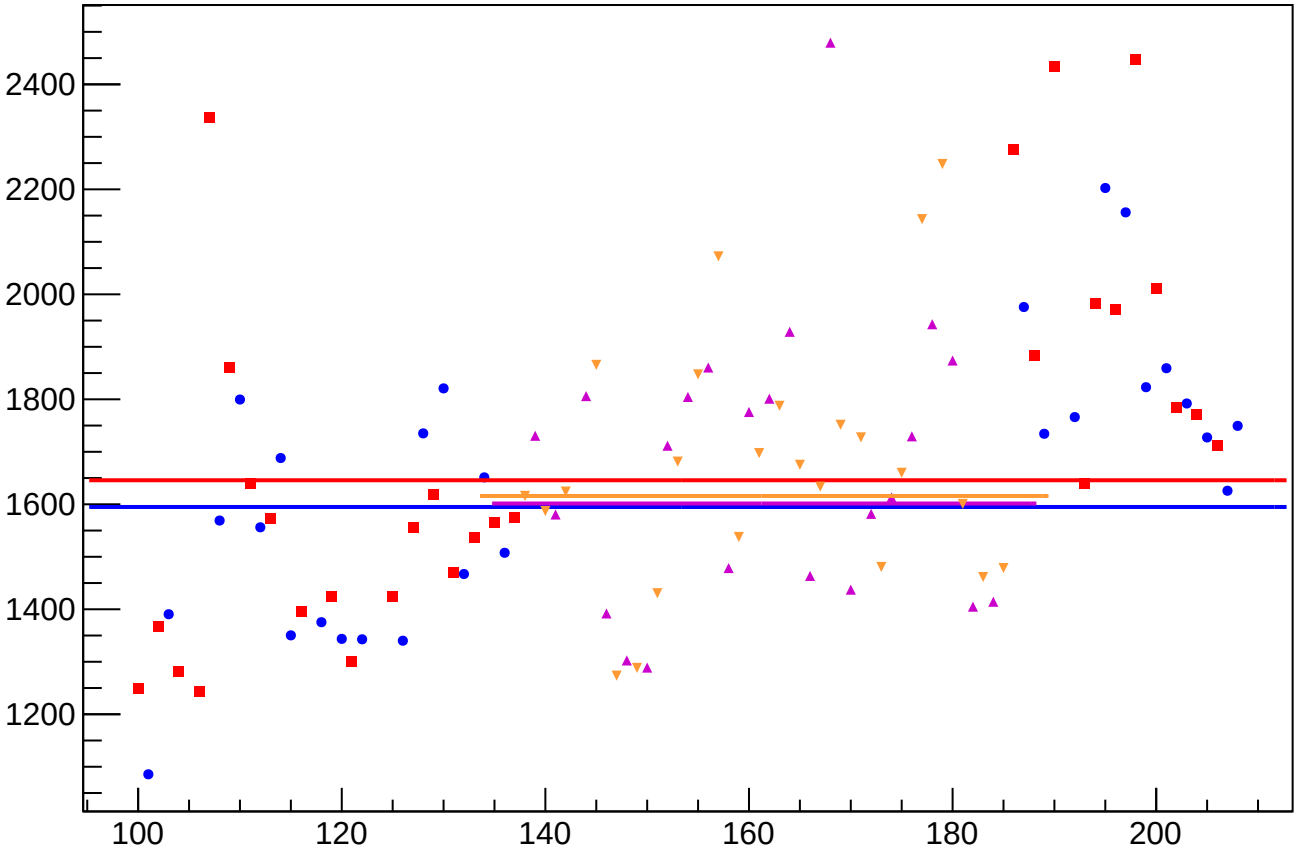
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2144.698+/-278.067 χ^2/NDF: 52.3/50

All: -118.979+/-197.604 χ^2/NDF: 232.5/102

- sign -2428.386+/-280.861 χ^2/NDF: 46.3/51

asym_us_avg_rms vs Slug



Right In: 1594.894+/-0.288 χ^2/NDF: 868583.4/26

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

Right Out: 1645.799+/-0.296 χ^2/NDF: 935970.0/28

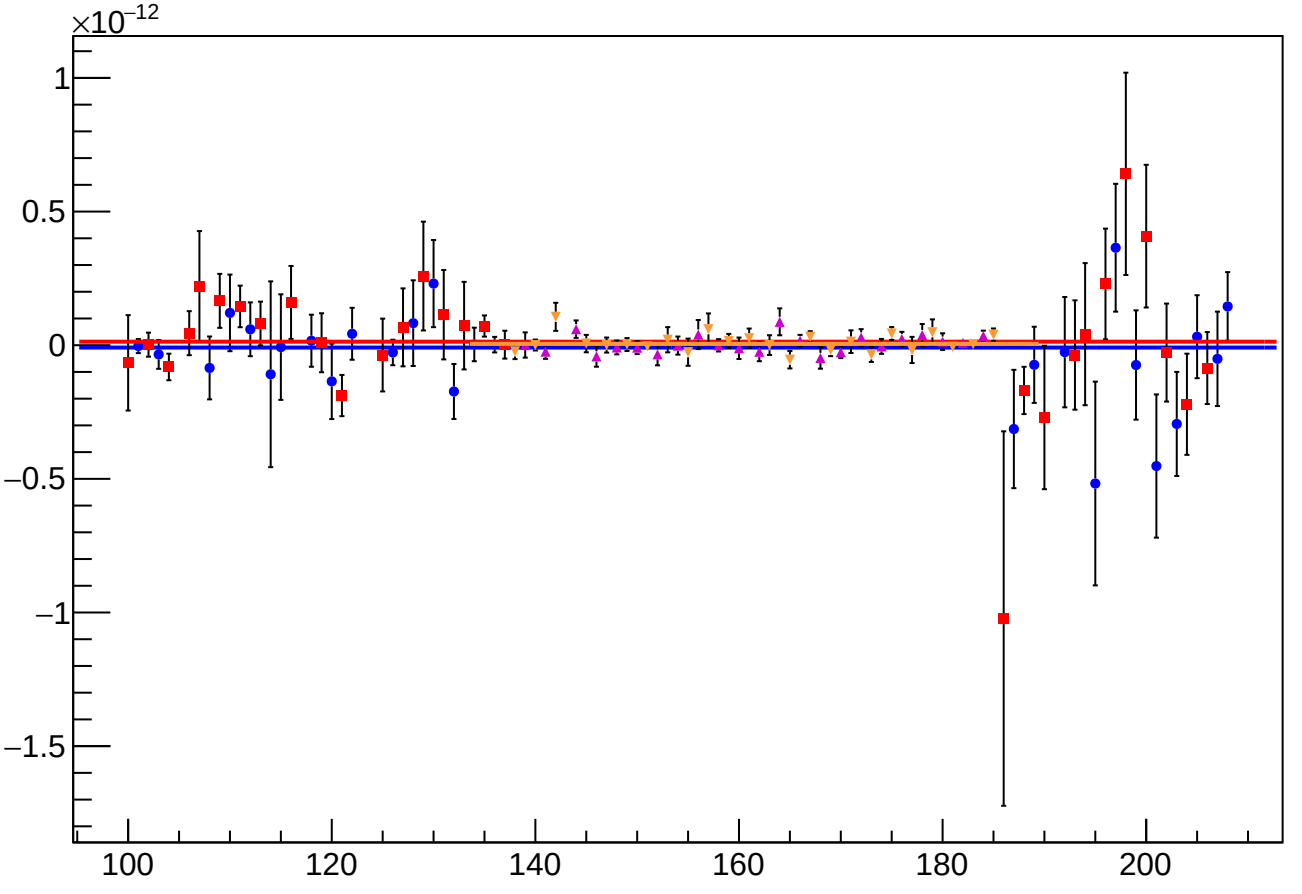
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1606.101+/-0.197 χ^2/NDF: 1565763.7/50

All: 1613.712+/-0.140 χ^2/NDF: 3310803.7/10

- sign 1621.476+/-0.199 χ^2/NDF: 1742013.6/51

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 39.1/28

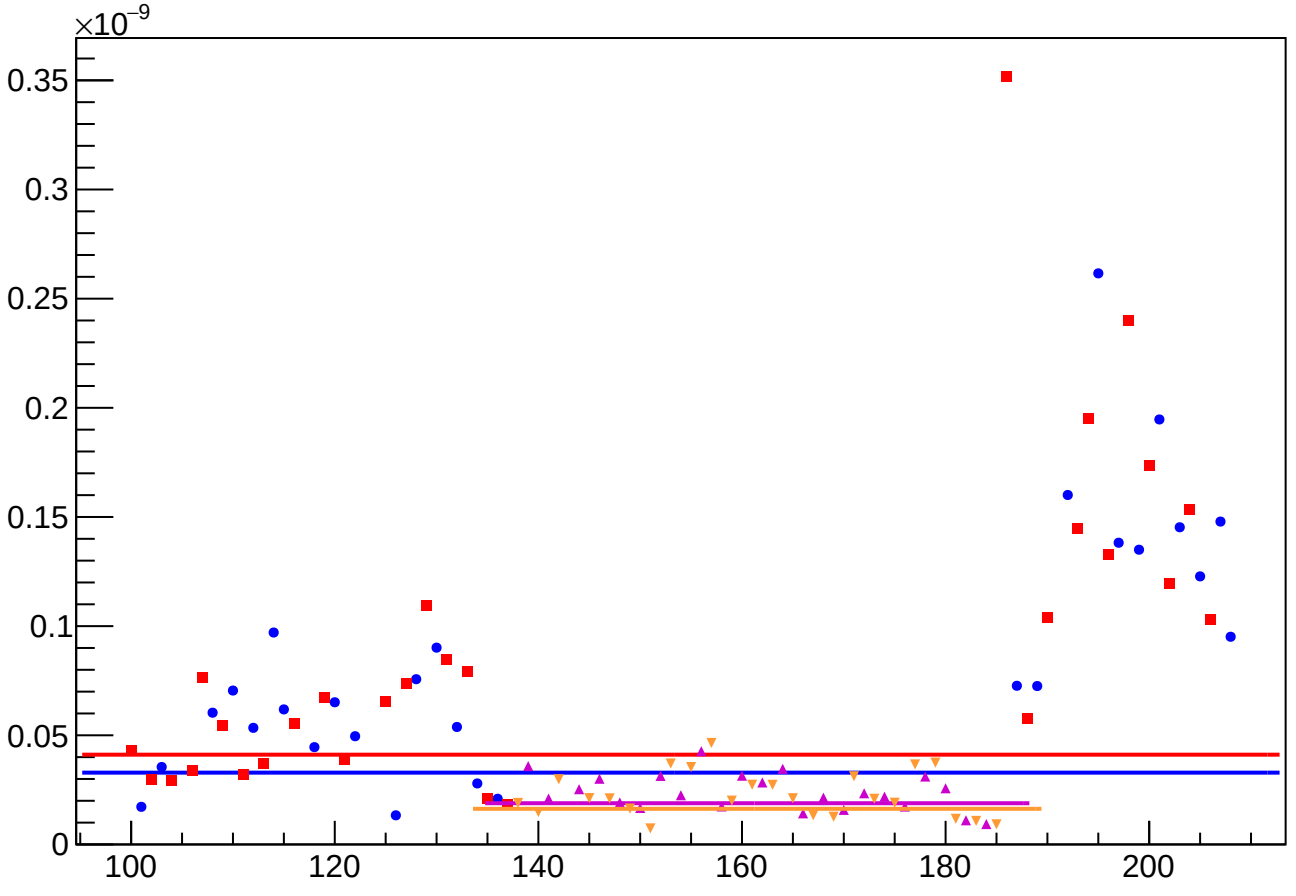
Left In: 0.000+/-0.000 χ^2/NDF:19.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.2/50

All: 0.000+/-0.000 χ^2/NDF: 102.0/102

- sign 0.000+/-0.000 χ^2/NDF: 58.7/51

asym_us_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8470733.2/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 6731799.4/28

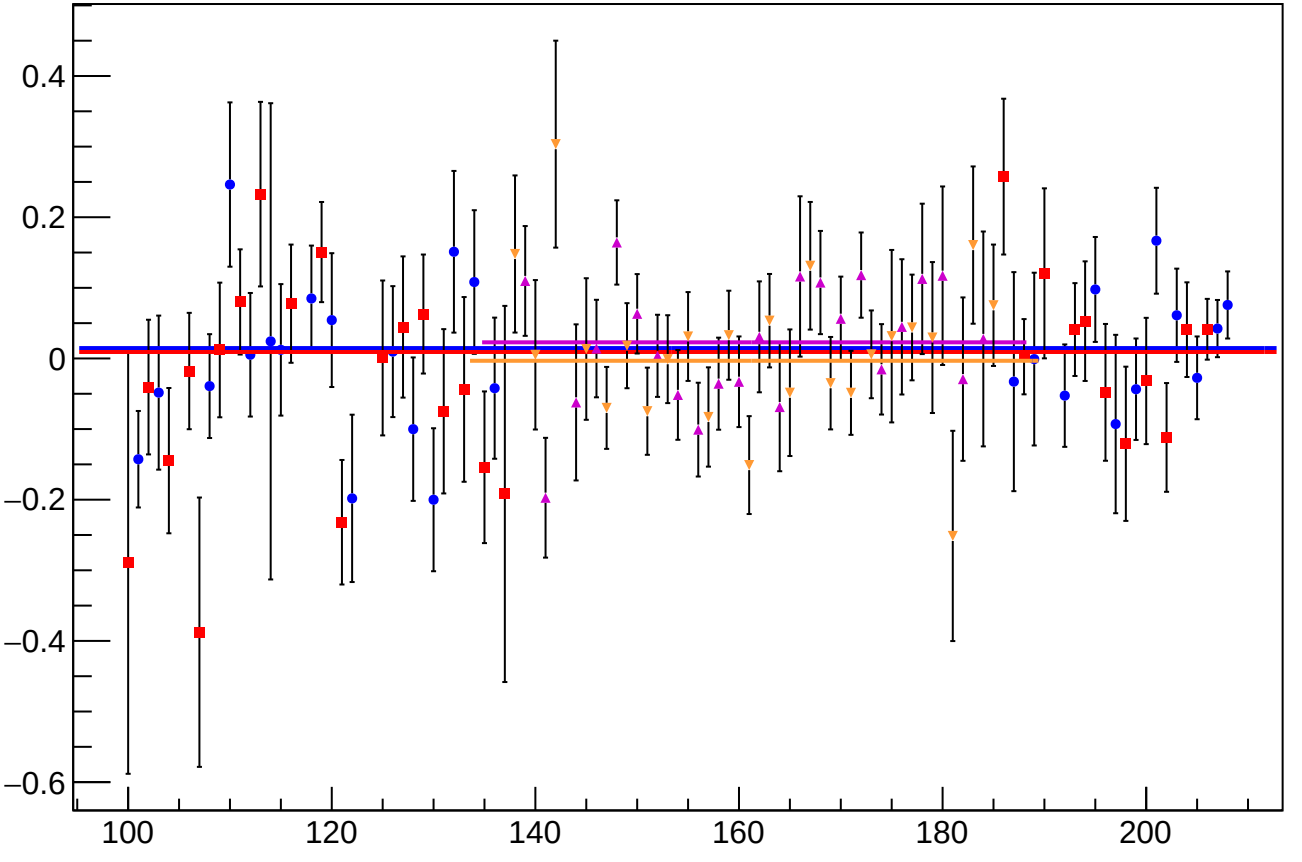
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 14993699.0/50

All: 0.000+/-0.000 χ^2/NDF: 28272252.1/102

- sign 0.000+/-0.000 χ^2/NDF: 12975888.1/51

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.015 χ^2/NDF: 33.6/26

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

Right Out: 0.009+/-0.016 χ^2/NDF: 39.7/28

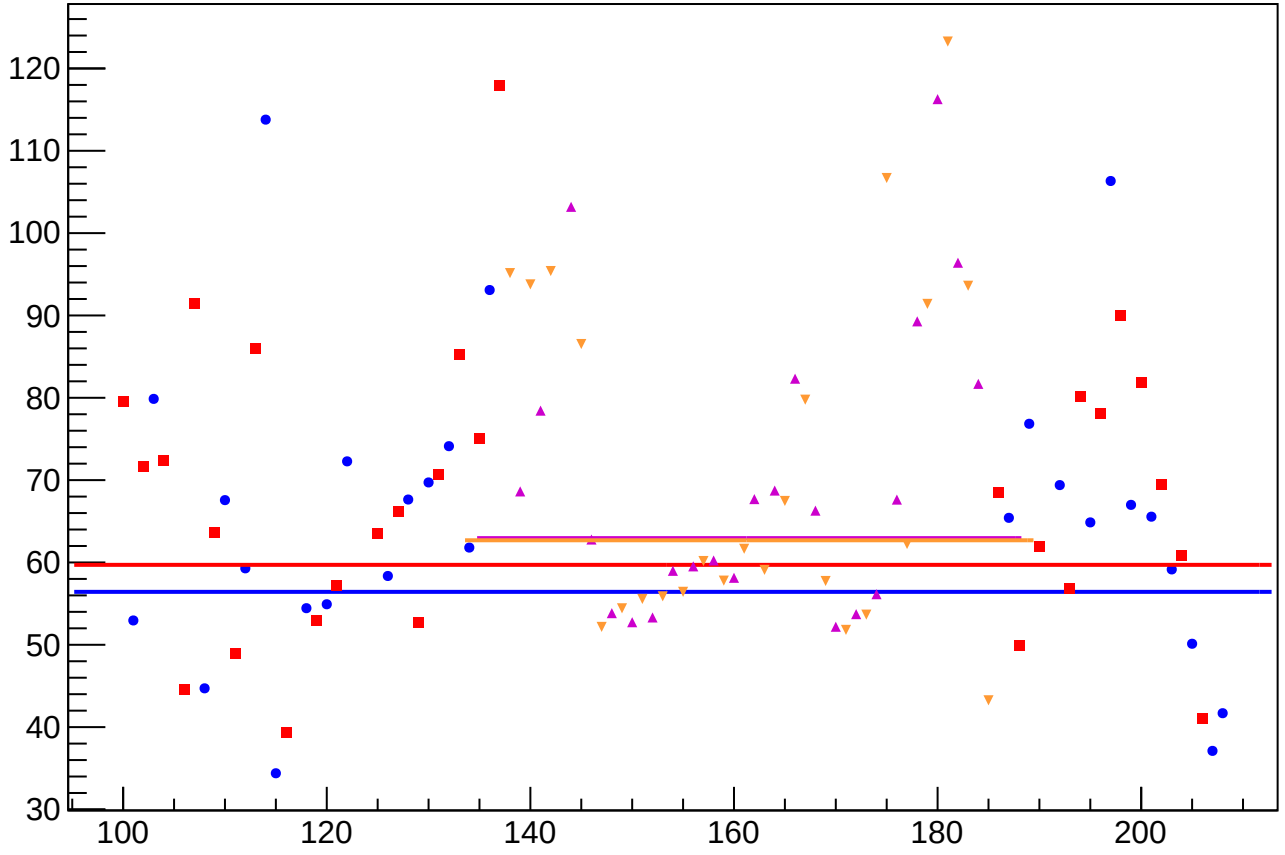
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign 0.006+/-0.011 χ^2/NDF: 60.2/50

All: 0.011+/-0.008 χ^2/NDF: 129.7/102

- sign 0.016+/-0.011 χ^2/NDF: 69.0/51

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 56.429+/-0.011 χ^2/NDF: 1969286.4/26

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

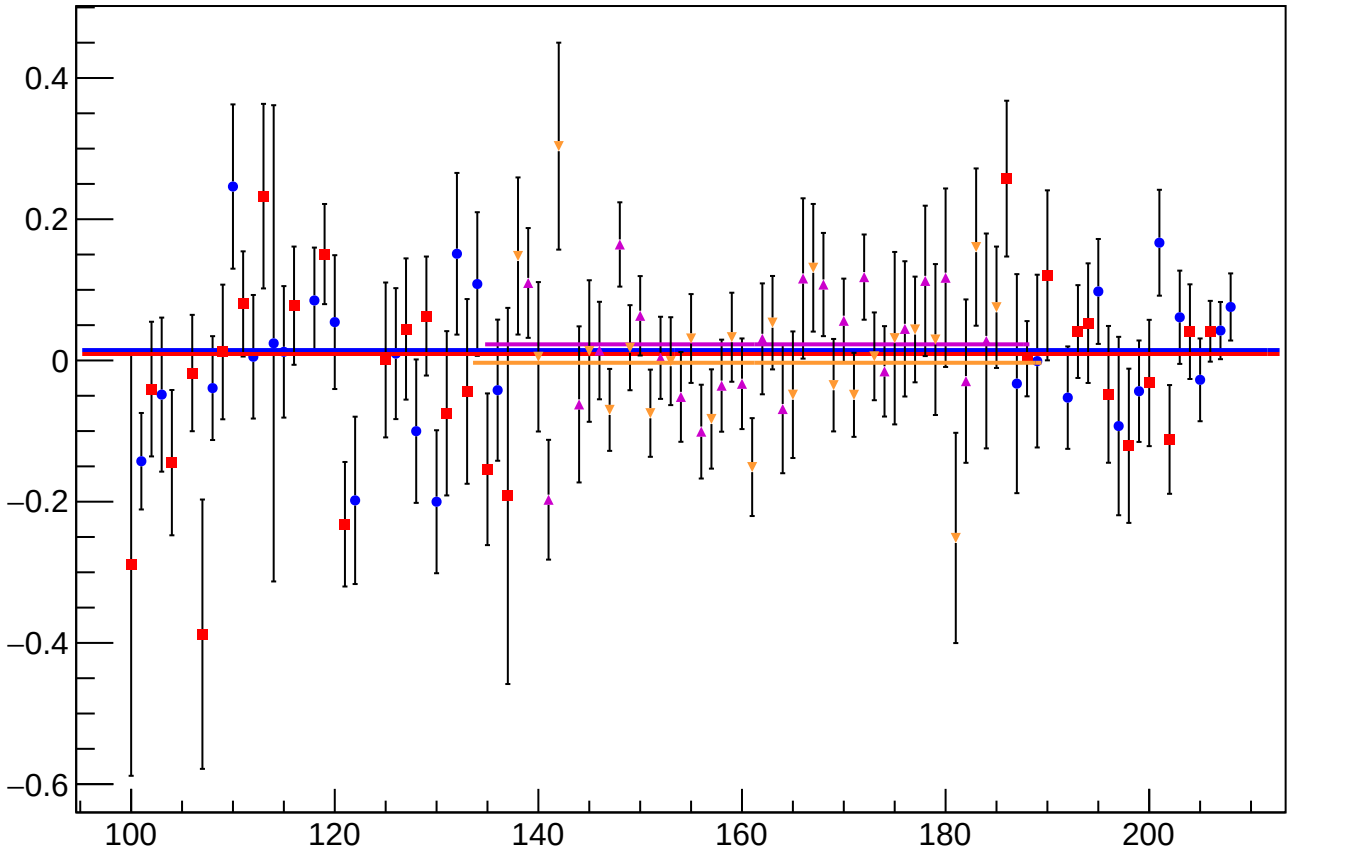
Right Out: 59.709+/-0.011 χ^2/NDF: 1672264.0/28

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

+ sign 59.533+/-0.008 χ^2/NDF: 4073733.2/50

All: 60.441+/-0.006 χ^2/NDF: 7247129.1/102

- sign 61.388+/-0.008 χ^2/NDF: 3145079.7/51



Right In: 0.015+/-0.015 χ^2/NDF: 33.6/26

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

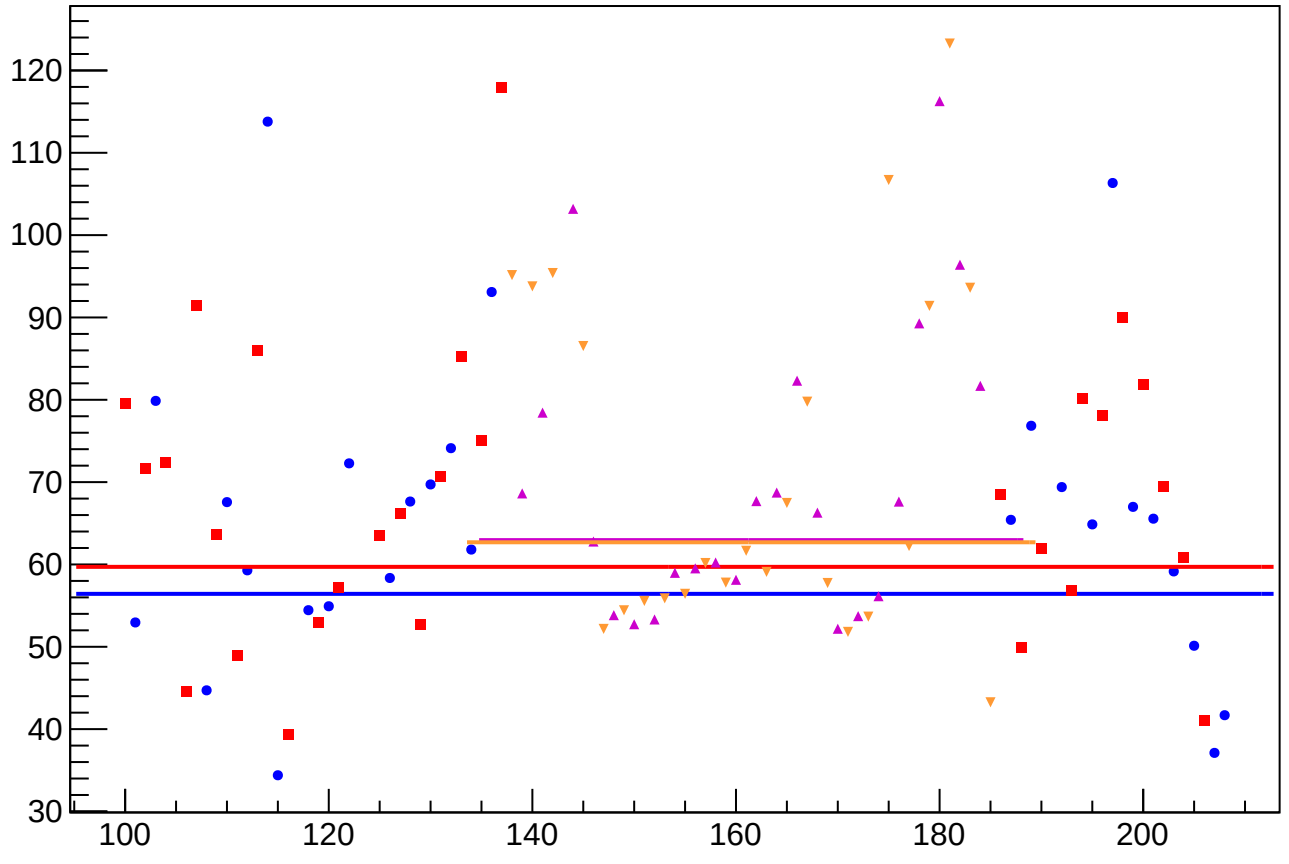
Right Out: 0.009+/-0.016 χ^2/NDF: 39.7/28

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

+ sign 0.006+/-0.011 χ^2/NDF: 60.2/50

All: 0.011+/-0.008 χ^2/NDF: 129.7/102

- sign 0.016+/-0.011 χ^2/NDF: 69.0/51



Right In: 56.429+/-0.011 χ^2/NDF: 1969286.4/26

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

Right Out: 59.709+/-0.011 χ^2/NDF: 1672264.0/28

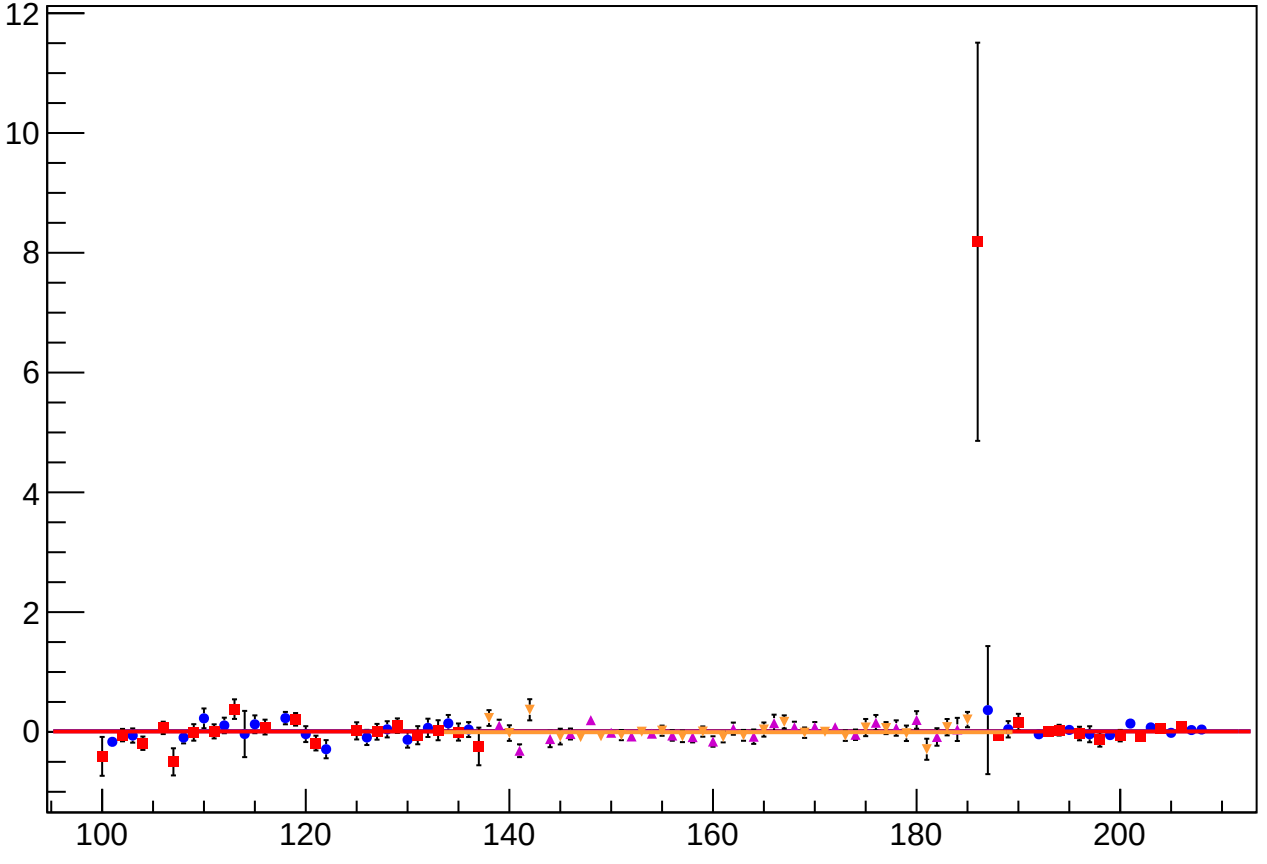
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

\+ sign 59.533+/-0.008 χ^2/NDF: 4073733.2/50

All: 60.441+/-0.006 χ^2/NDF: 7247129.1/102

\- sign 61.388+/-0.008 χ^2/NDF: 3145079.7/51

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.012+/-0.019 χ^2/NDF: 25.7/26

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

Right Out: 0.007+/-0.020 χ^2/NDF: 38.0/28

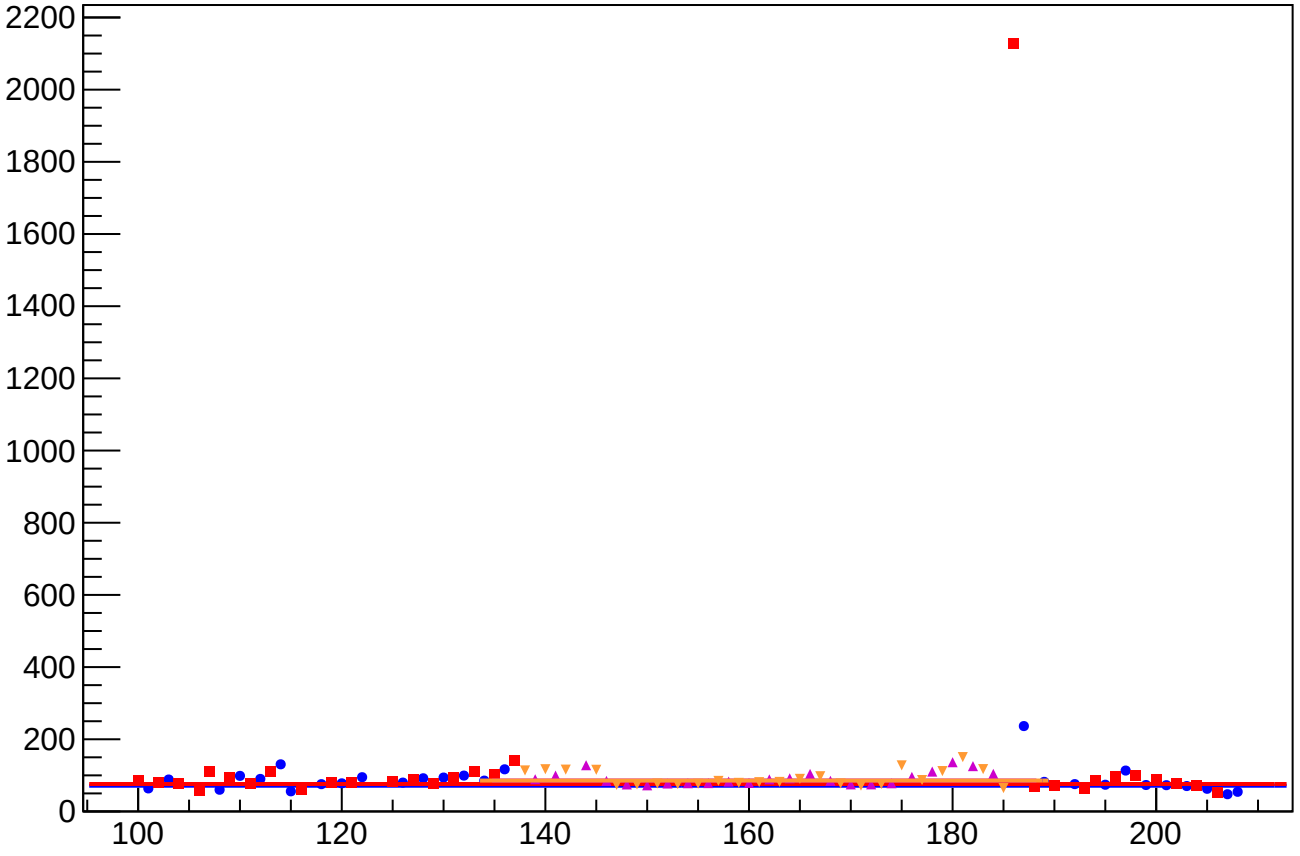
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign 0.004+/-0.014 χ^2/NDF: 47.4/50

All: 0.004+/-0.010 χ^2/NDF: 116.1/102

- sign 0.003+/-0.014 χ^2/NDF: 68.7/51

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 71.298+/-0.014 χ^2/NDF: 1639888.4/26

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

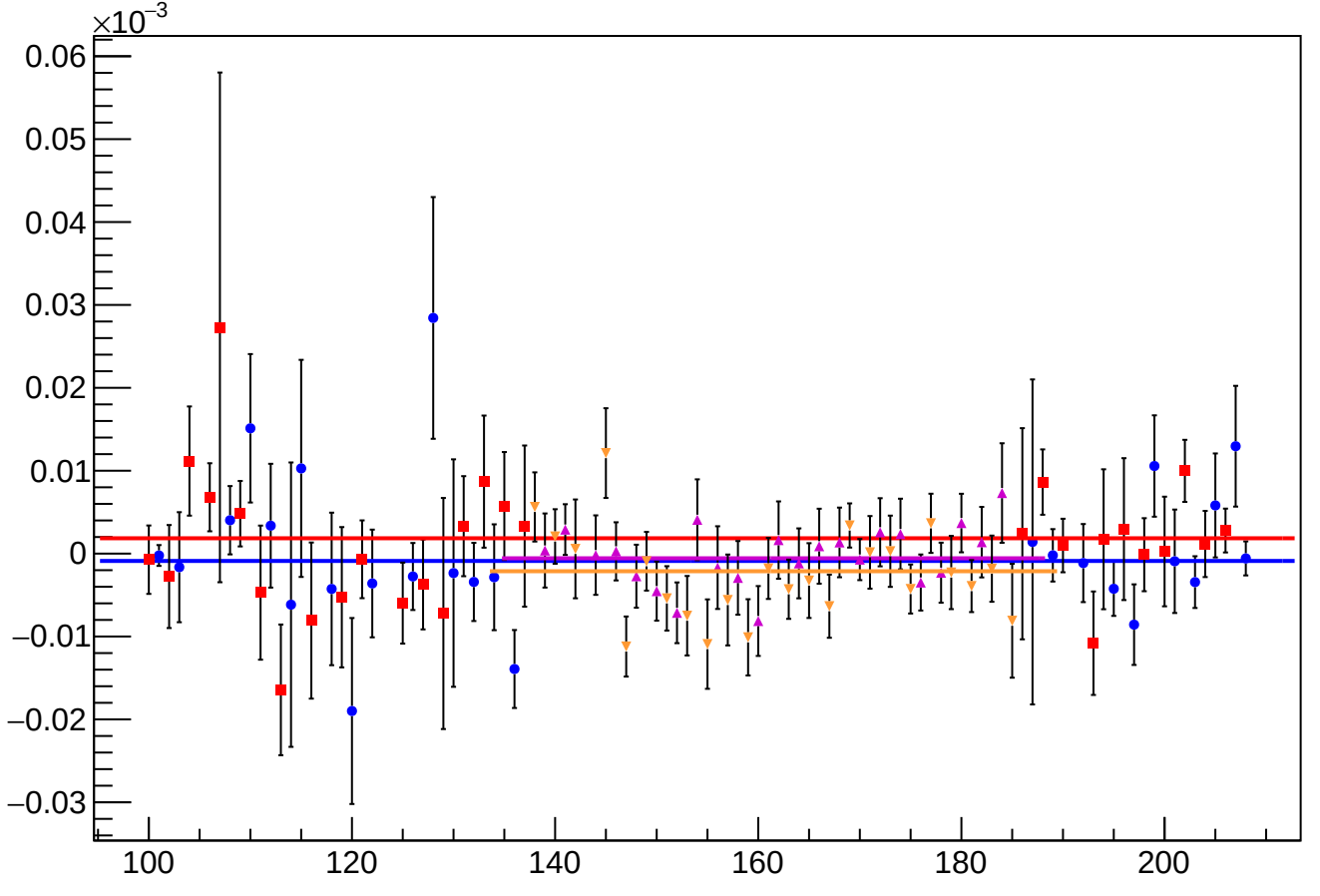
Right Out: 76.056+/-0.014 χ^2/NDF: 1951305.4/28

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

+ sign 77.919+/-0.010 χ^2/NDF: 3511473.4/50

All: 79.301+/-0.007 χ^2/NDF: 6719628.9/102

- sign 80.765+/-0.010 χ^2/NDF: 3168308.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 33.9/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 31.3/28

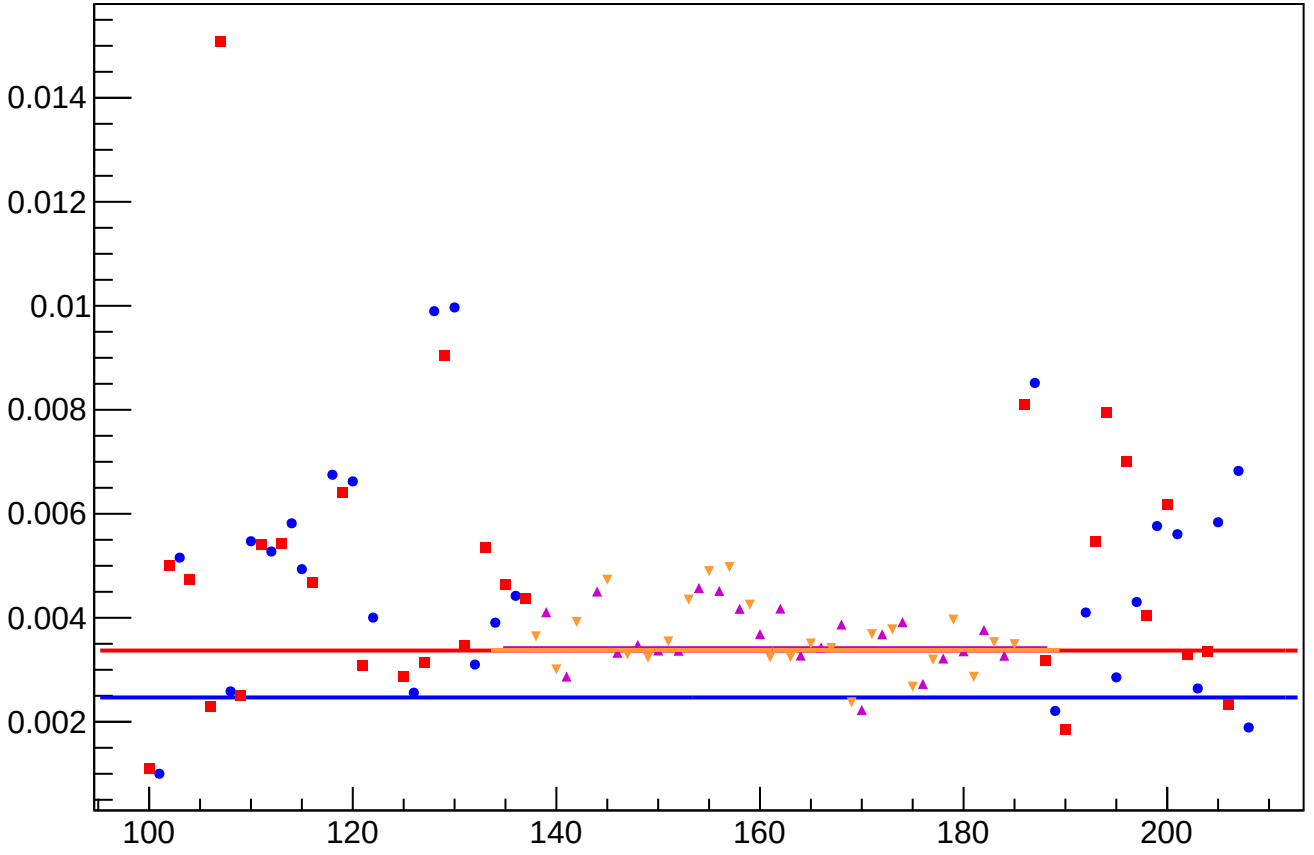
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.5/50

All: -0.000+/-0.000 χ^2/NDF: 129.3/102

- sign 0.000+/-0.000 χ^2/NDF: 51.5/51

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9433158.9/26

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

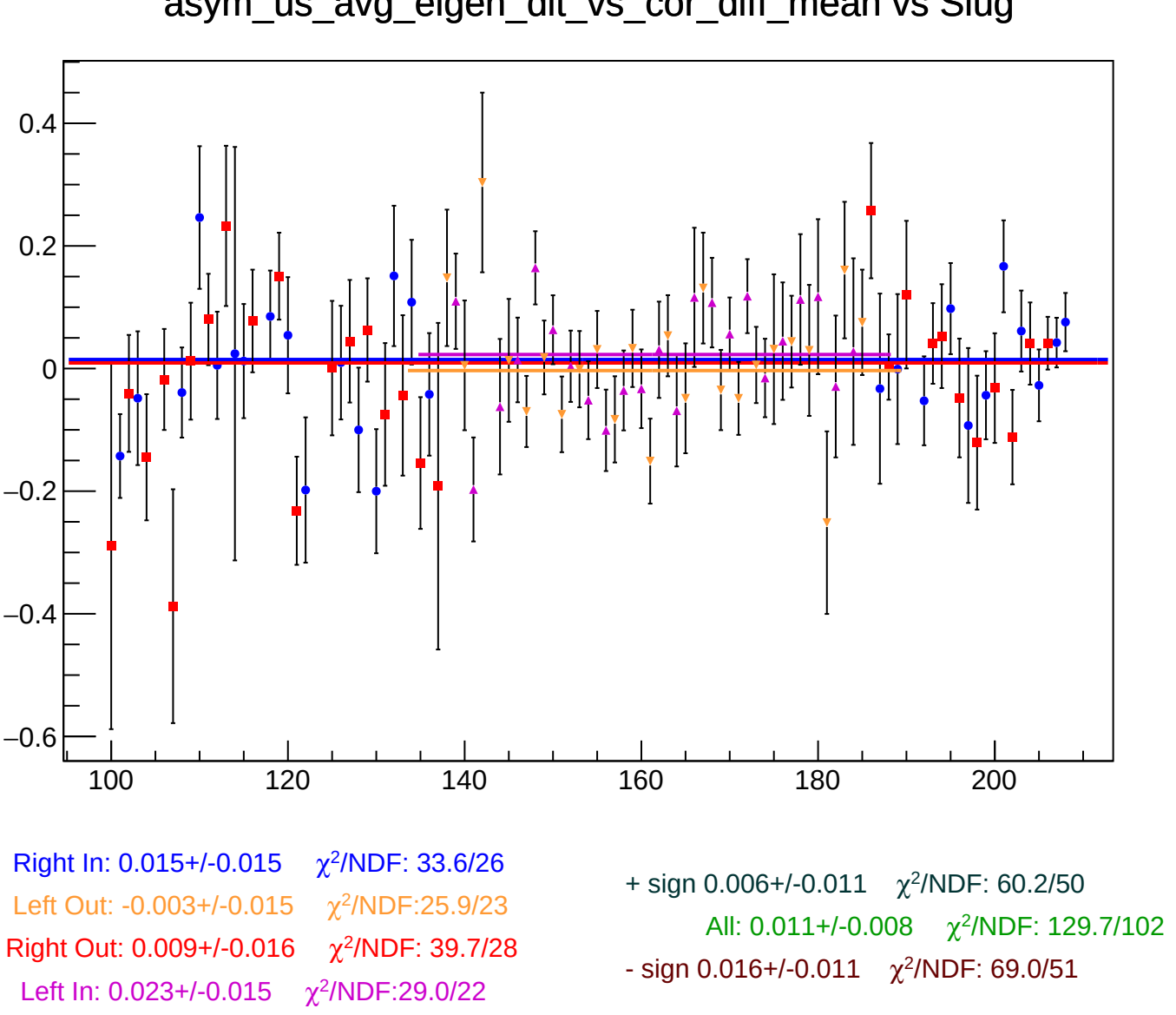
Right Out: 0.003+/-0.000 χ^2/NDF: 5104472.1/28

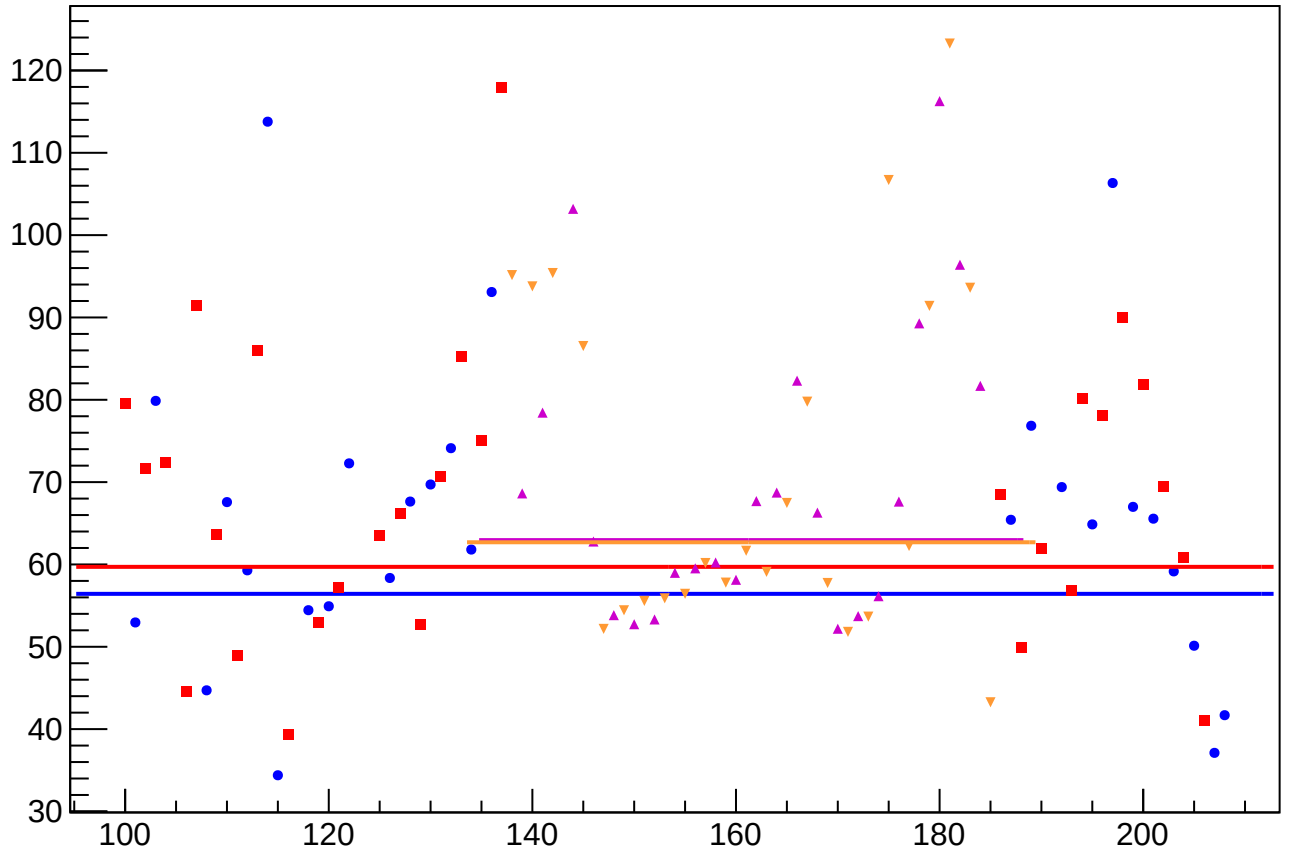
Left In: 0.003+/-0.000 χ^2/NDF:1170356.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 11975420.5/50

All: 0.003+/-0.000 χ^2/NDF: 18957202.0/102

- sign 0.003+/-0.000 χ^2/NDF: 6277440.8/51


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.015+/-0.015 χ²/NDF: 33.6/26
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: 0.009+/-0.016 χ²/NDF: 39.7/28
Left In: 0.023+/-0.015 χ²/NDF:29.0/22
+ sign 0.006+/-0.011 χ²/NDF: 60.2/50
All: 0.011+/-0.008 χ²/NDF: 129.7/102
- sign 0.016+/-0.011 χ²/NDF: 69.0/51



Right In: 56.429+/-0.011 χ^2/NDF: 1969142.9/26

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

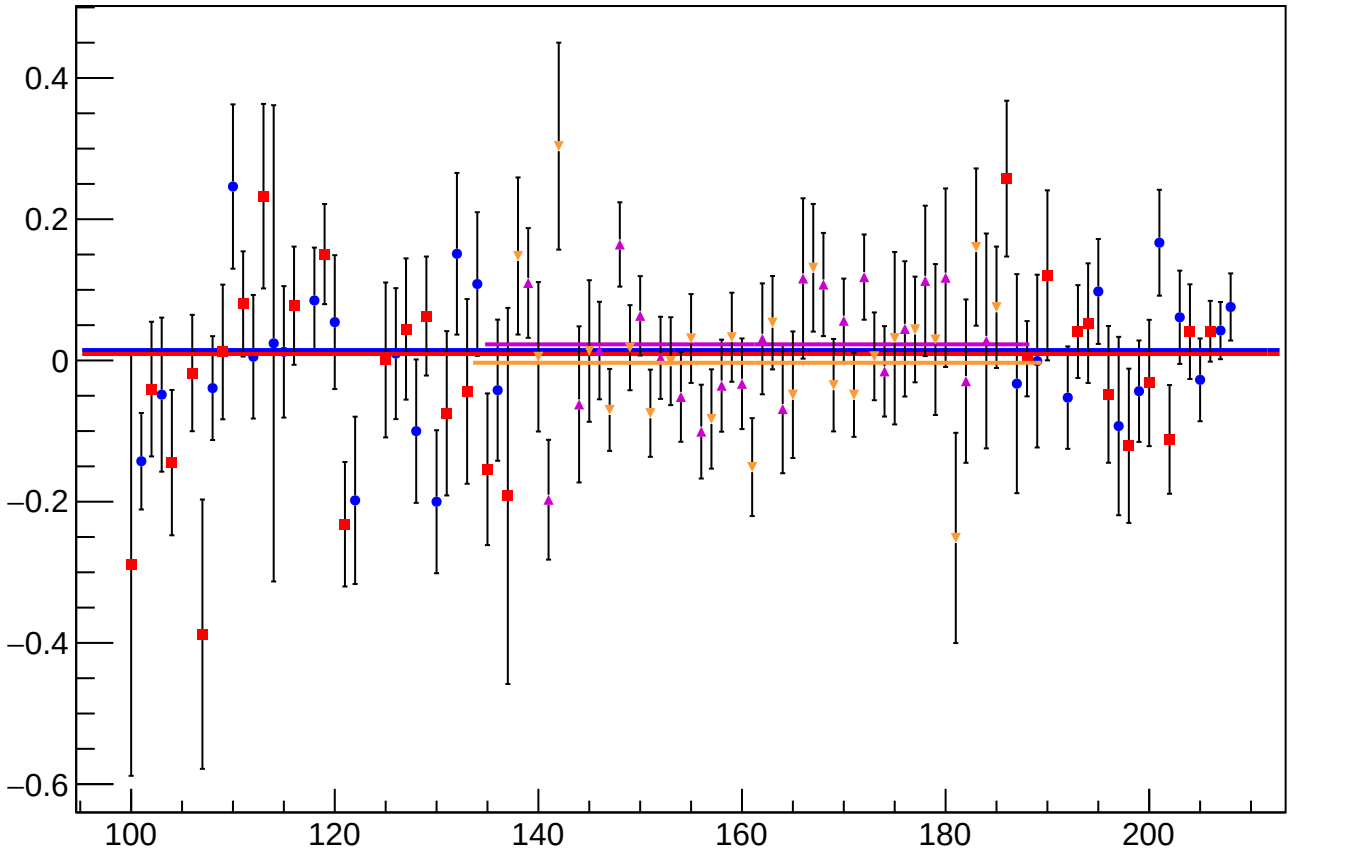
Right Out: 59.709+/-0.011 χ^2/NDF: 1672106.0/28

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

+ sign 59.534+/-0.008 χ^2/NDF: 4073583.8/50

All: 60.441+/-0.006 χ^2/NDF: 7246806.3/102

- sign 61.388+/-0.008 χ^2/NDF: 3144916.2/51



Right In: 0.015+/-0.015 χ^2/NDF: 33.6/26

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

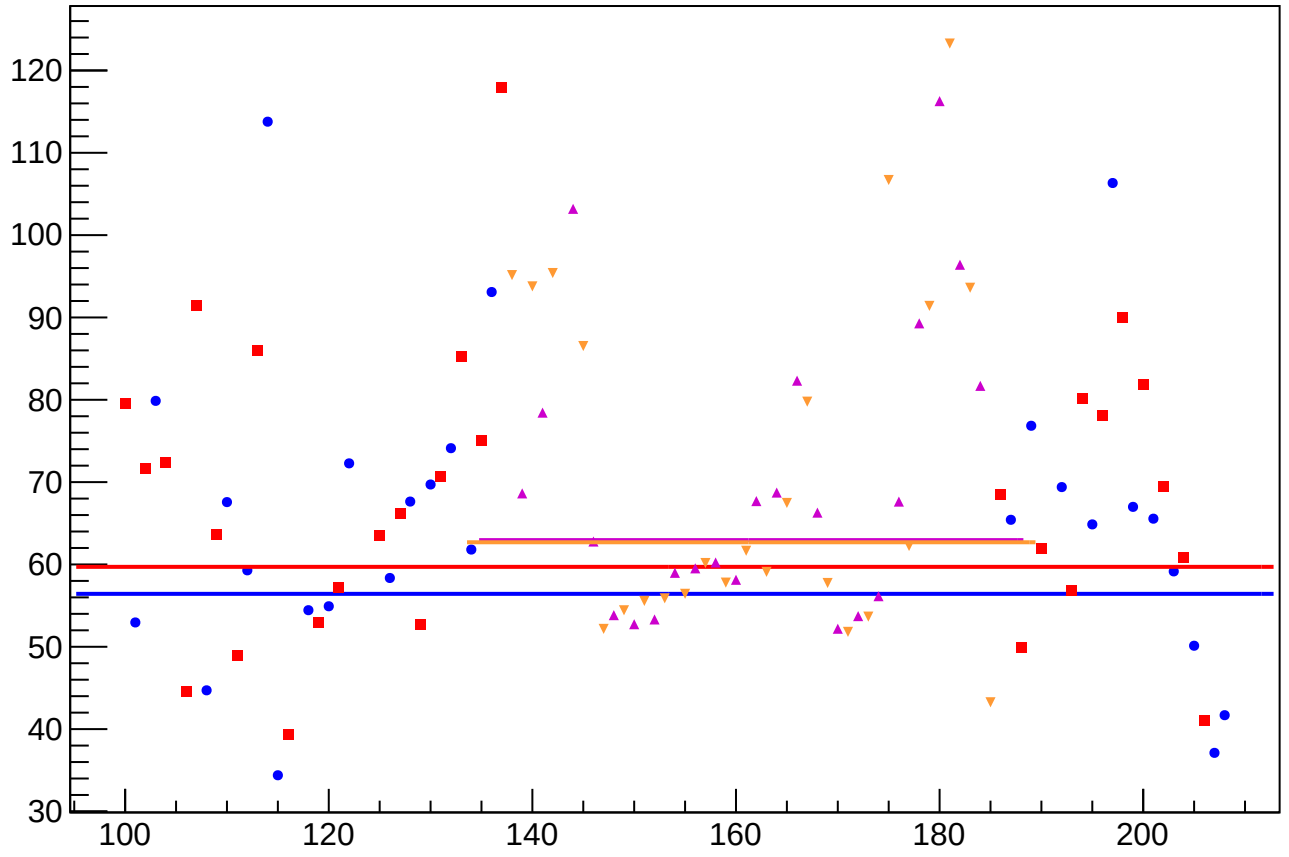
Right Out: 0.009+/-0.016 χ^2/NDF: 39.7/28

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

+ sign 0.006+/-0.011 χ^2/NDF: 60.2/50

All: 0.011+/-0.008 χ^2/NDF: 129.7/102

- sign 0.016+/-0.011 χ^2/NDF: 69.0/51



Right In: 56.429+/-0.011 χ^2/NDF: 1969142.9/26

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

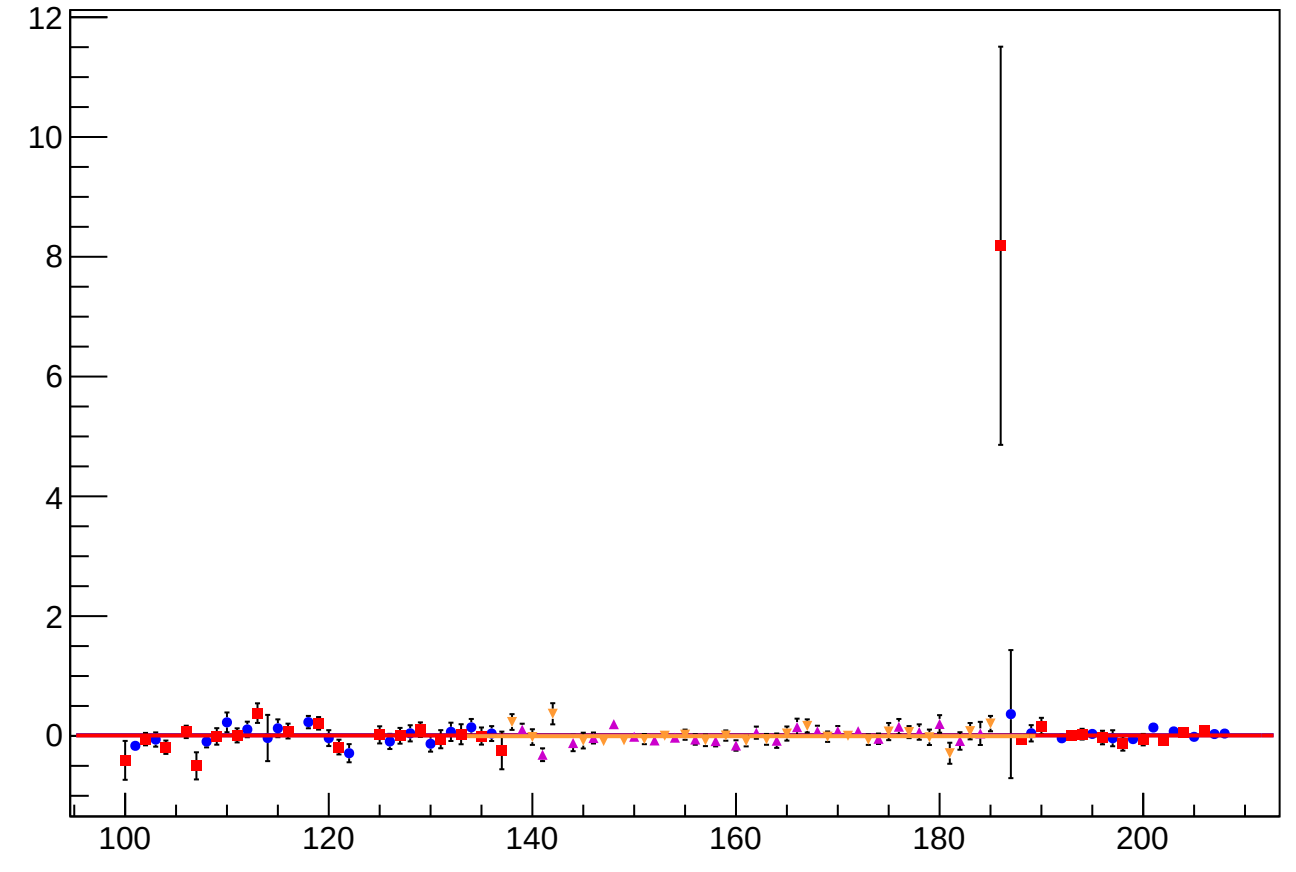
Right Out: 59.709+/-0.011 χ^2/NDF: 1672106.0/28

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

+ sign 59.534+/-0.008 χ^2/NDF: 4073583.8/50

All: 60.441+/-0.006 χ^2/NDF: 7246806.3/102

- sign 61.388+/-0.008 χ^2/NDF: 3144916.2/51



Right In: 0.012+/-0.019 χ^2/NDF: 25.7/26

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

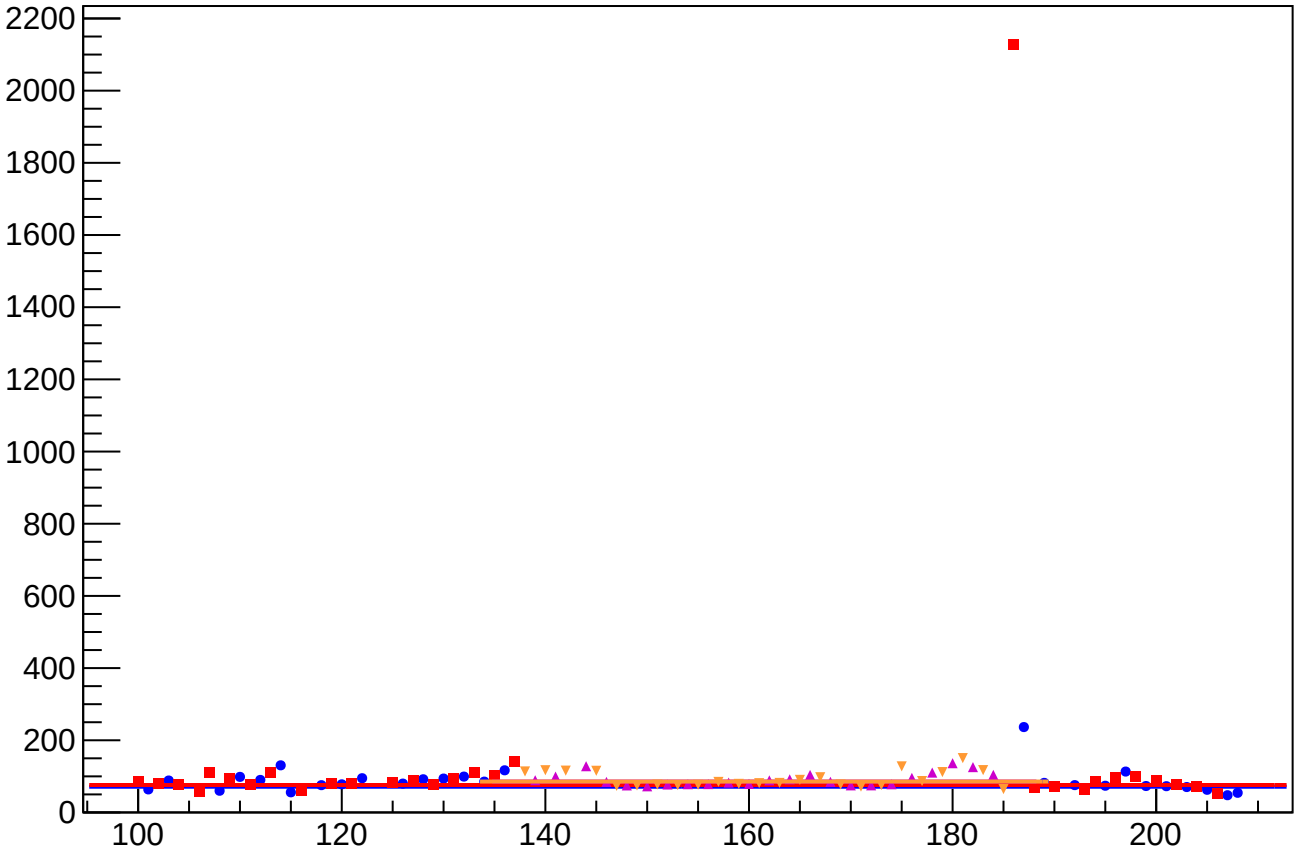
Right Out: 0.007+/-0.020 χ^2/NDF: 38.0/28

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

+ sign 0.004+/-0.014 χ^2/NDF: 47.4/50

All: 0.004+/-0.010 χ^2/NDF: 116.1/102

- sign 0.003+/-0.014 χ^2/NDF: 68.7/51



Right In: 71.298+/-0.014 χ^2/NDF: 1639760.4/26

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

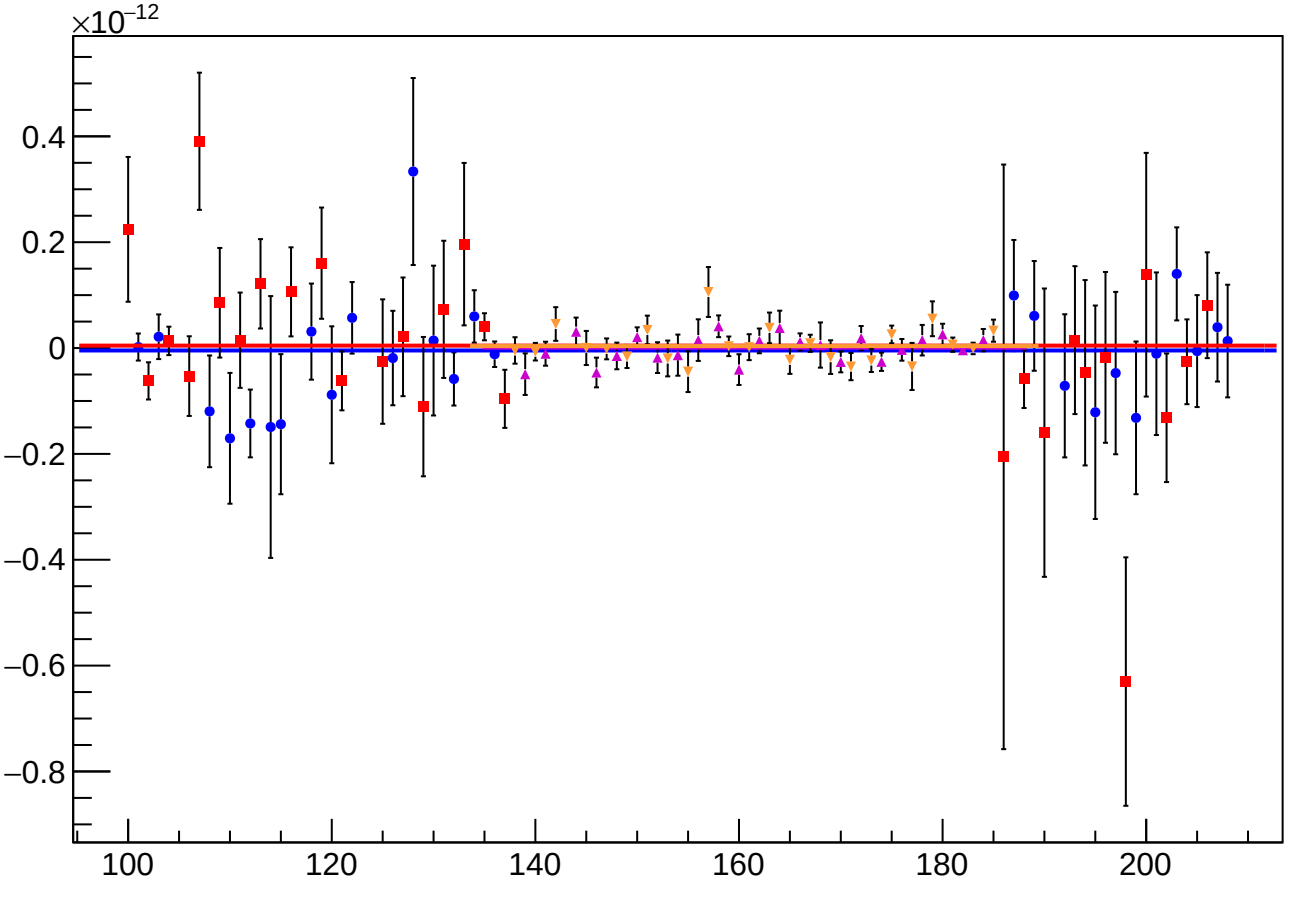
Right Out: 76.056+/-0.014 χ^2/NDF: 1951210.3/28

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

+ sign 77.919+/-0.010 χ^2/NDF: 3511339.6/50

All: 79.301+/-0.007 χ^2/NDF: 6719403.8/102

- sign 80.765+/-0.010 χ^2/NDF: 3168224.8/51



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/26

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

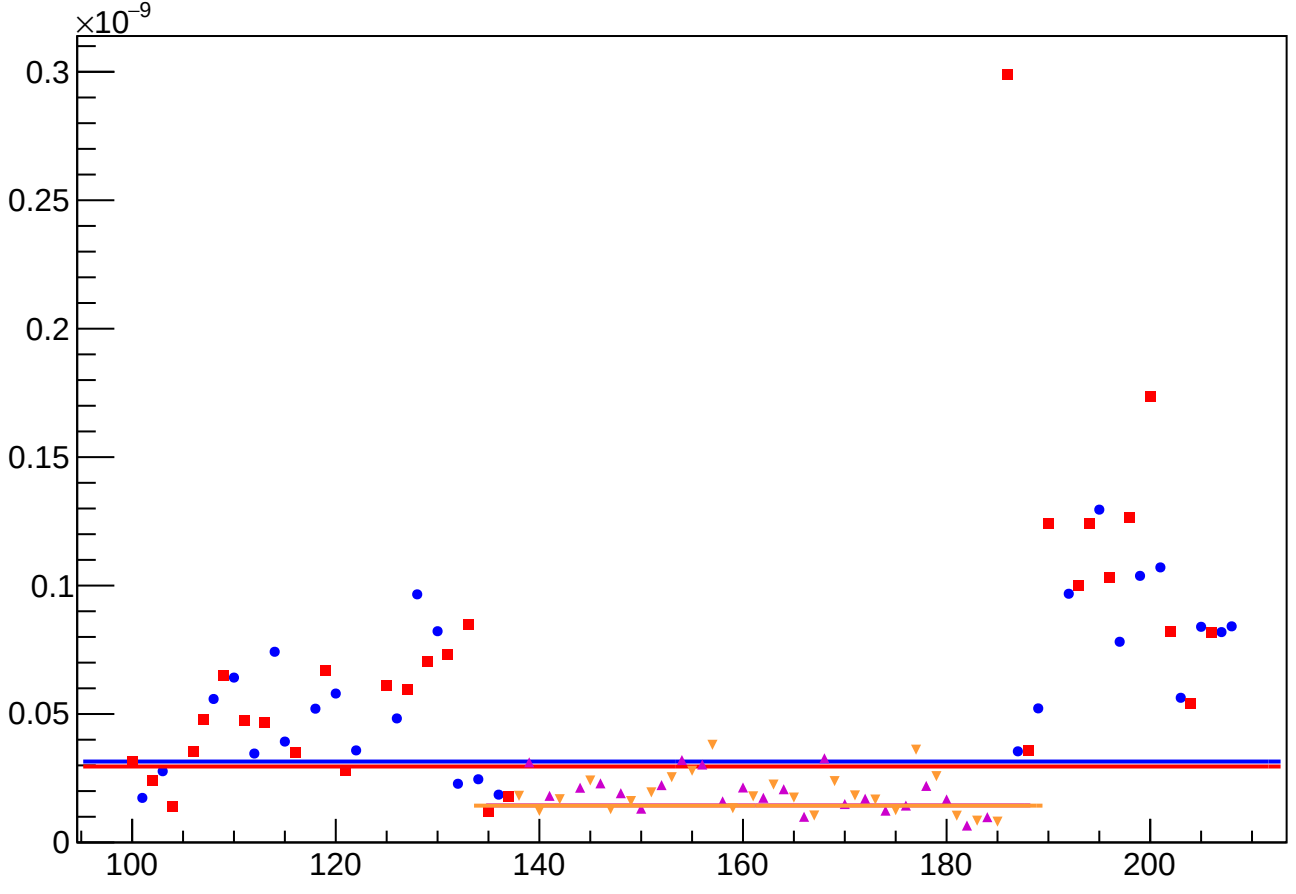
Right Out: 0.000+/-0.000 χ^2/NDF: 42.9/28

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

+ sign 0.000+/-0.000 χ^2/NDF: 48.7/50

All: 0.000+/-0.000 χ^2/NDF: 115.4/102

- sign 0.000+/-0.000 χ^2/NDF: 66.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 6226383.6/26

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

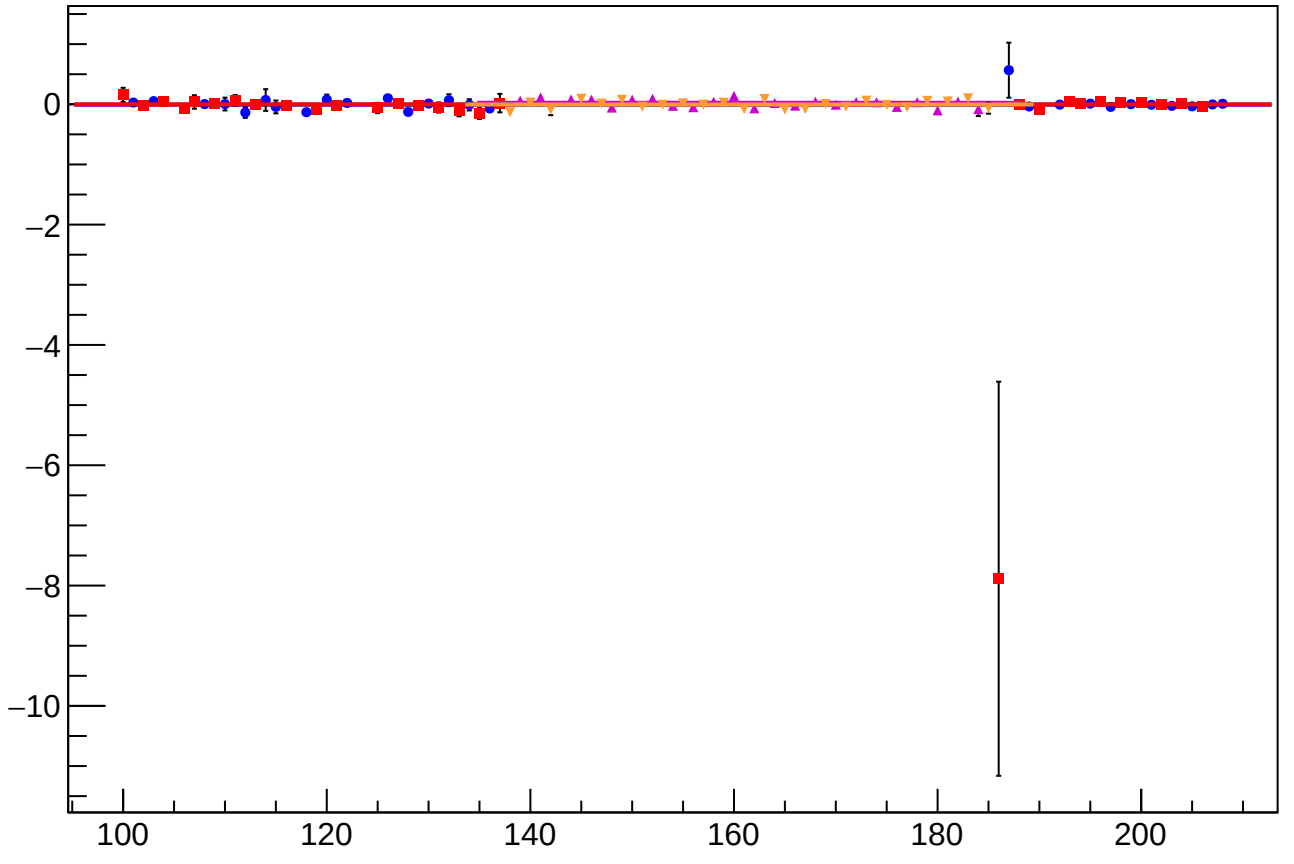
Right Out: 0.000+/-0.000 χ^2/NDF: 7907480.8/28

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

+ sign 0.000+/-0.000 χ^2/NDF: 13244366.8/50

All: 0.000+/-0.000 χ^2/NDF: 28015079.8/102

- sign 0.000+/-0.000 χ^2/NDF: 14769841.1/51



Right In: -0.006+/-0.008 χ^2/NDF: 21.0/26

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

Right Out: -0.001+/-0.008 χ^2/NDF: 32.4/28

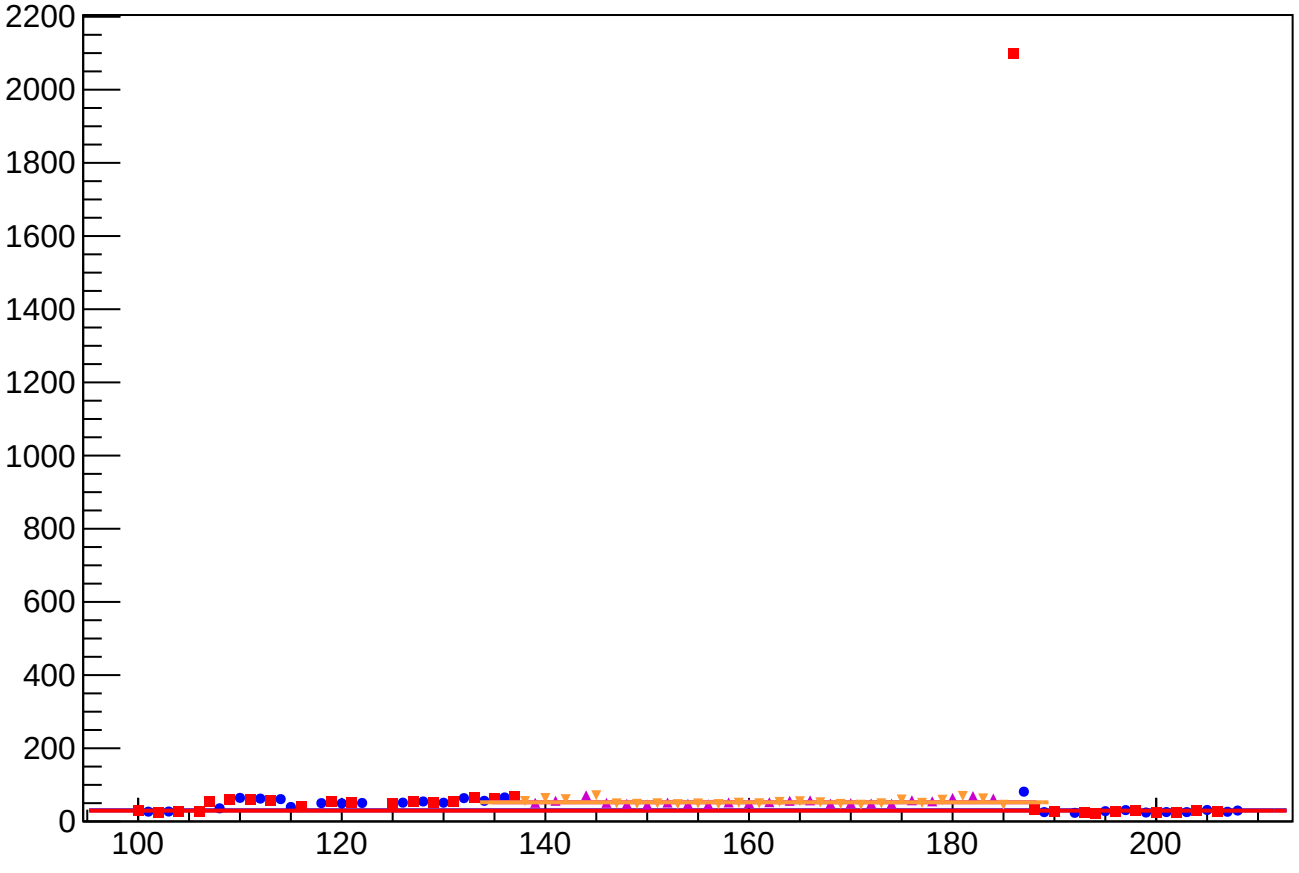
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.005+/-0.007 χ^2/NDF: 44.2/50

All: 0.001+/-0.005 χ^2/NDF: 105.6/102

- sign 0.007+/-0.007 χ^2/NDF: 59.7/51

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.403+/-0.006 χ^2/NDF: 2837373.0/26

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

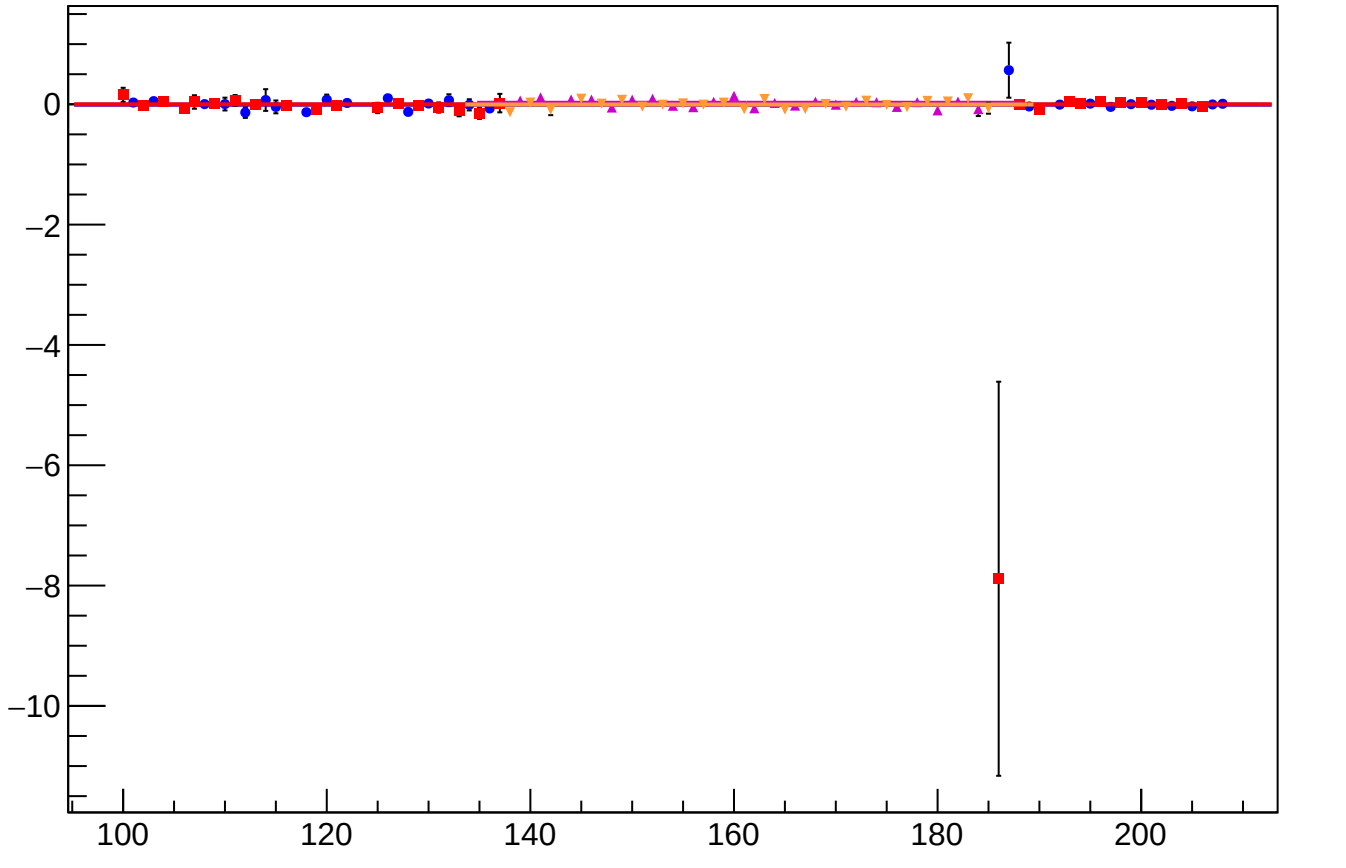
Right Out: 29.568+/-0.006 χ^2/NDF: 3831822.1/28

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

+ sign 37.199+/-0.005 χ^2/NDF: 7677568.3/50

All: 36.798+/-0.003 χ^2/NDF: 16675266.5/102

- sign 36.405+/-0.005 χ^2/NDF: 8984353.0/51



Right In: -0.006+/-0.008 χ^2/NDF: 21.0/26

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

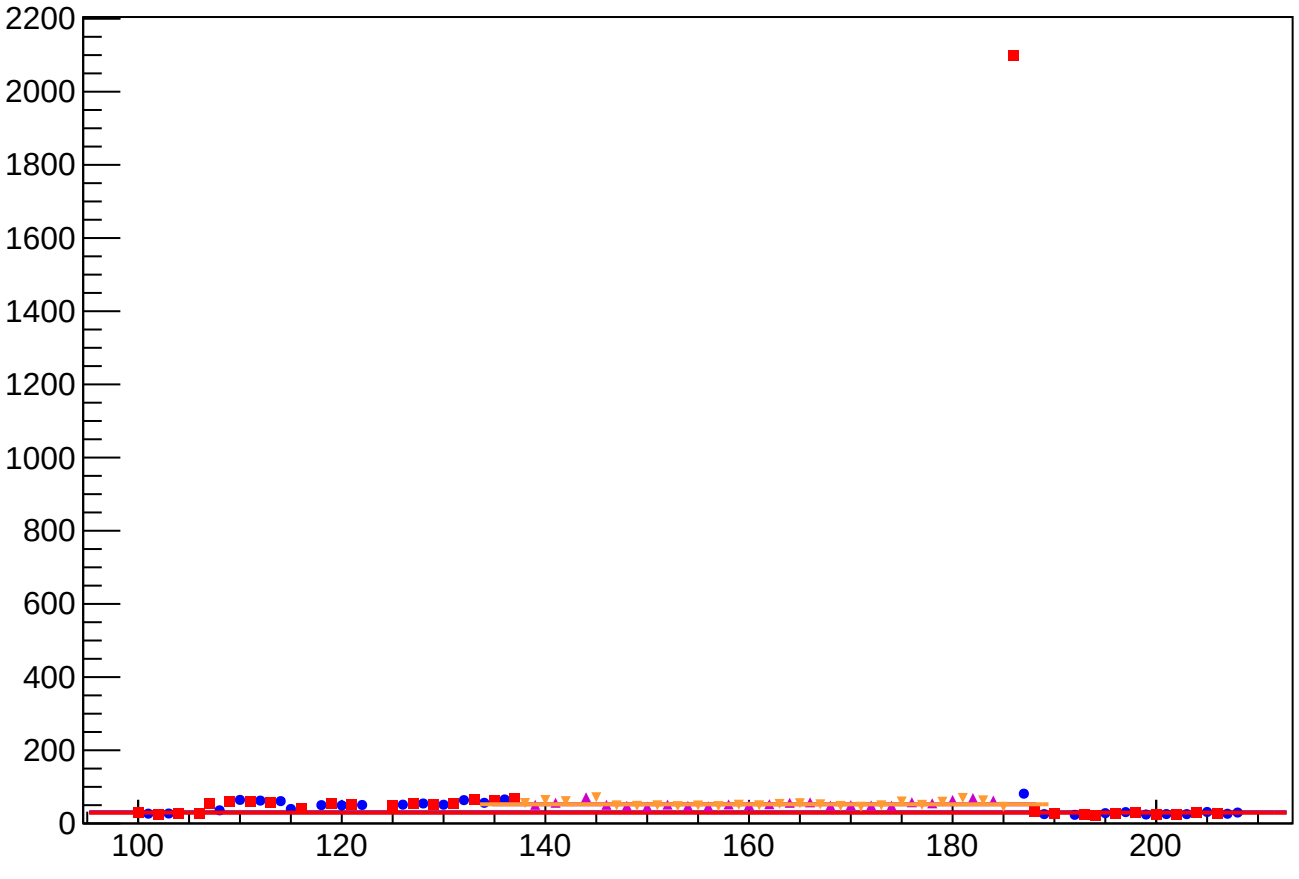
Right Out: -0.001+/-0.008 χ^2/NDF: 32.4/28

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

+ sign -0.005+/-0.007 χ^2/NDF: 44.2/50

All: 0.001+/-0.005 χ^2/NDF: 105.6/102

- sign 0.007+/-0.007 χ^2/NDF: 59.7/51



Right In: 30.403+/-0.006 χ^2/NDF: 2837373.0/26

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

Right Out: 29.568+/-0.006 χ^2/NDF: 3831822.1/28

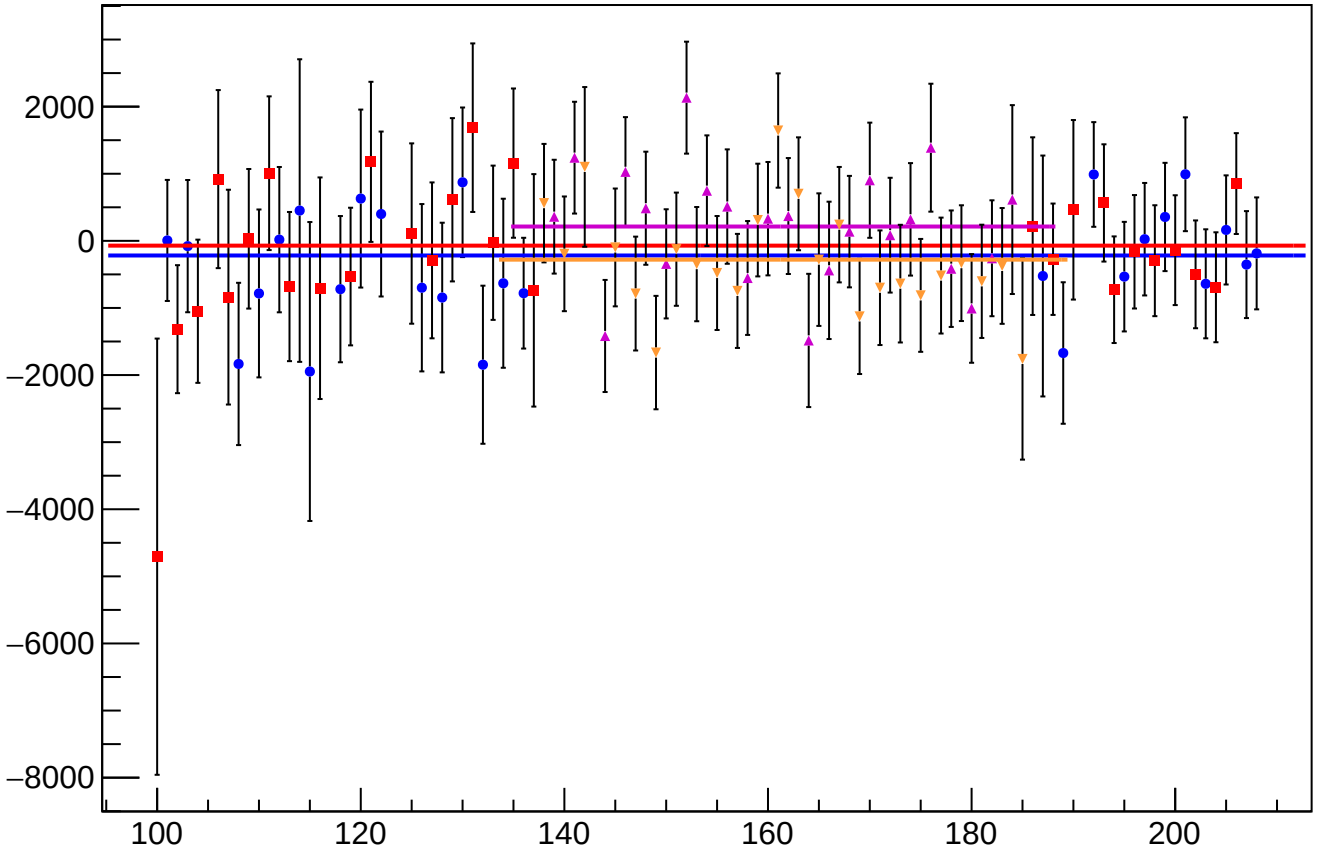
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 37.199+/-0.005 χ^2/NDF: 7677568.3/50

All: 36.798+/-0.003 χ^2/NDF: 16675266.5/102

- sign 36.405+/-0.005 χ^2/NDF: 8984353.0/51

reg_asym_us_dd_mean vs Slug



Right In: -218.187+/-193.456 χ^2/NDF: 15.2/26

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

Right Out: -71.352+/-193.556 χ^2/NDF: 15.7/28

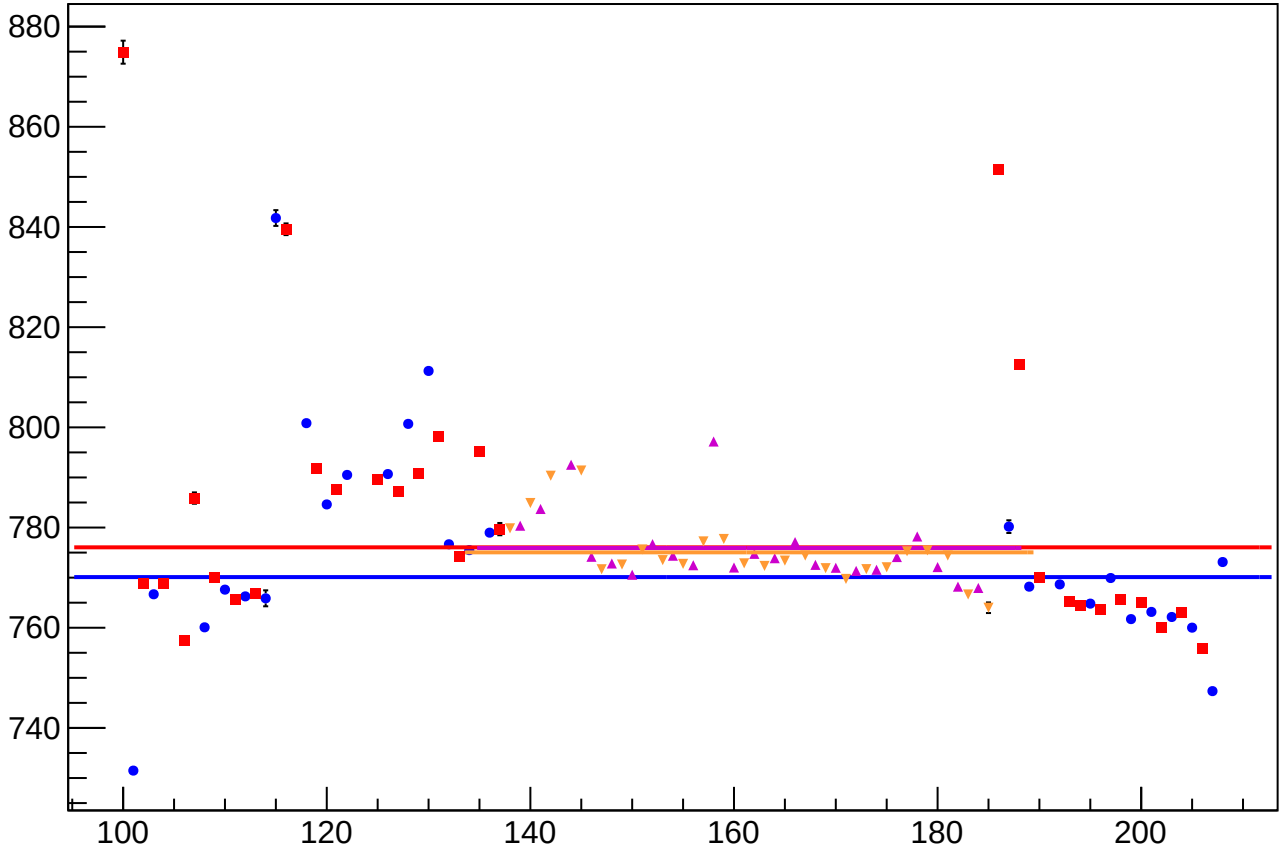
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -251.533+/-131.733 χ^2/NDF: 31.3/50

All: -86.219+/-93.338 χ^2/NDF: 73.7/102

- sign 80.441+/-132.268 χ^2/NDF: 39.2/51

reg_asym_us_dd_rms vs Slug



Right In: 770.111+/-0.137 χ^2/NDF: 16094.5/26

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

Right Out: 776.051+/-0.137 χ^2/NDF: 23444.3/28

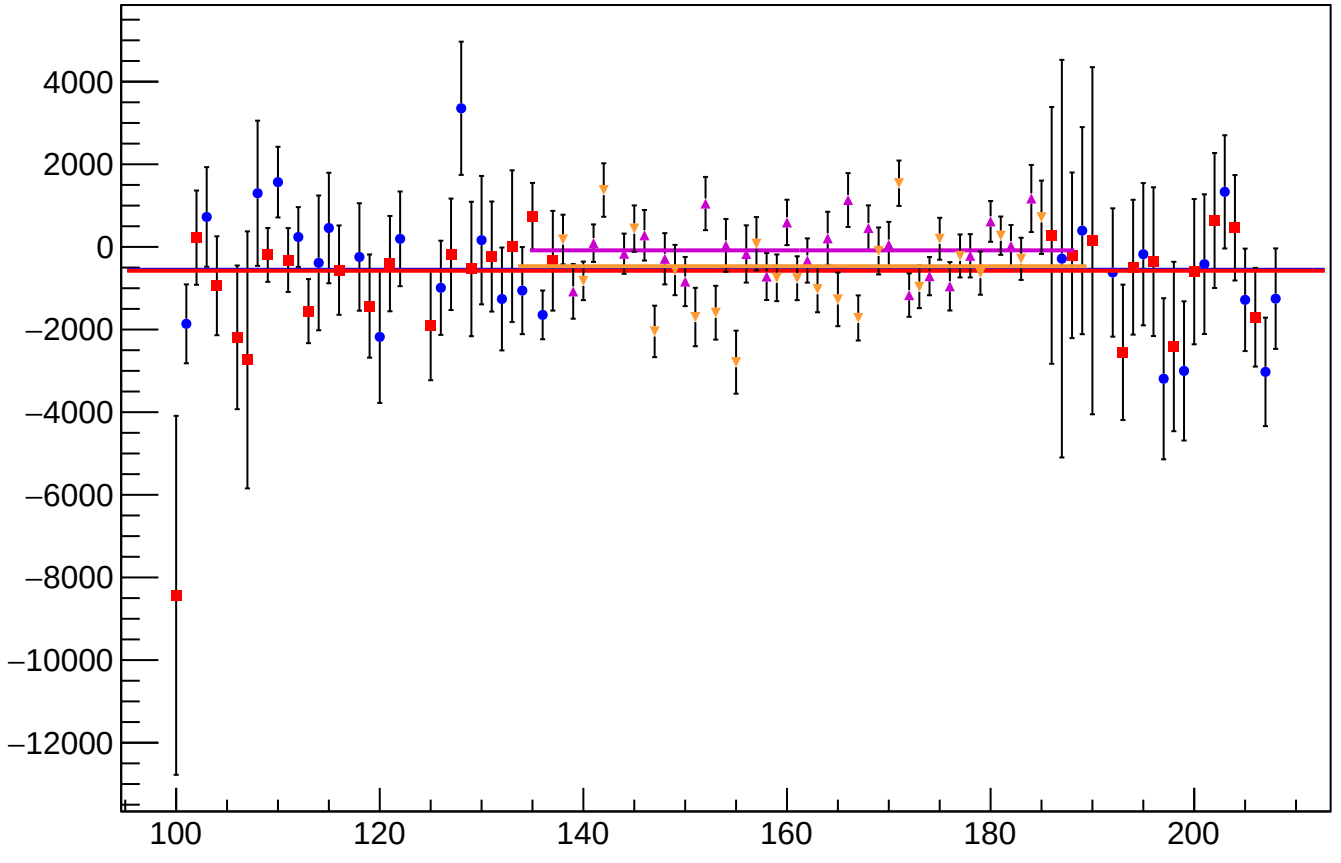
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 772.760+/-0.093 χ^2/NDF: 18744.7/50

All: 774.364+/-0.066 χ^2/NDF: 45758.4/102

- sign 775.982+/-0.094 χ^2/NDF: 26417.7/51

asym_us_dd_reg_correction_mean vs Slug



Right In: -553.486+/-233.008 χ^2/NDF: 34.0/26

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

Right Out: -576.963+/-234.498 χ^2/NDF: 16.2/28

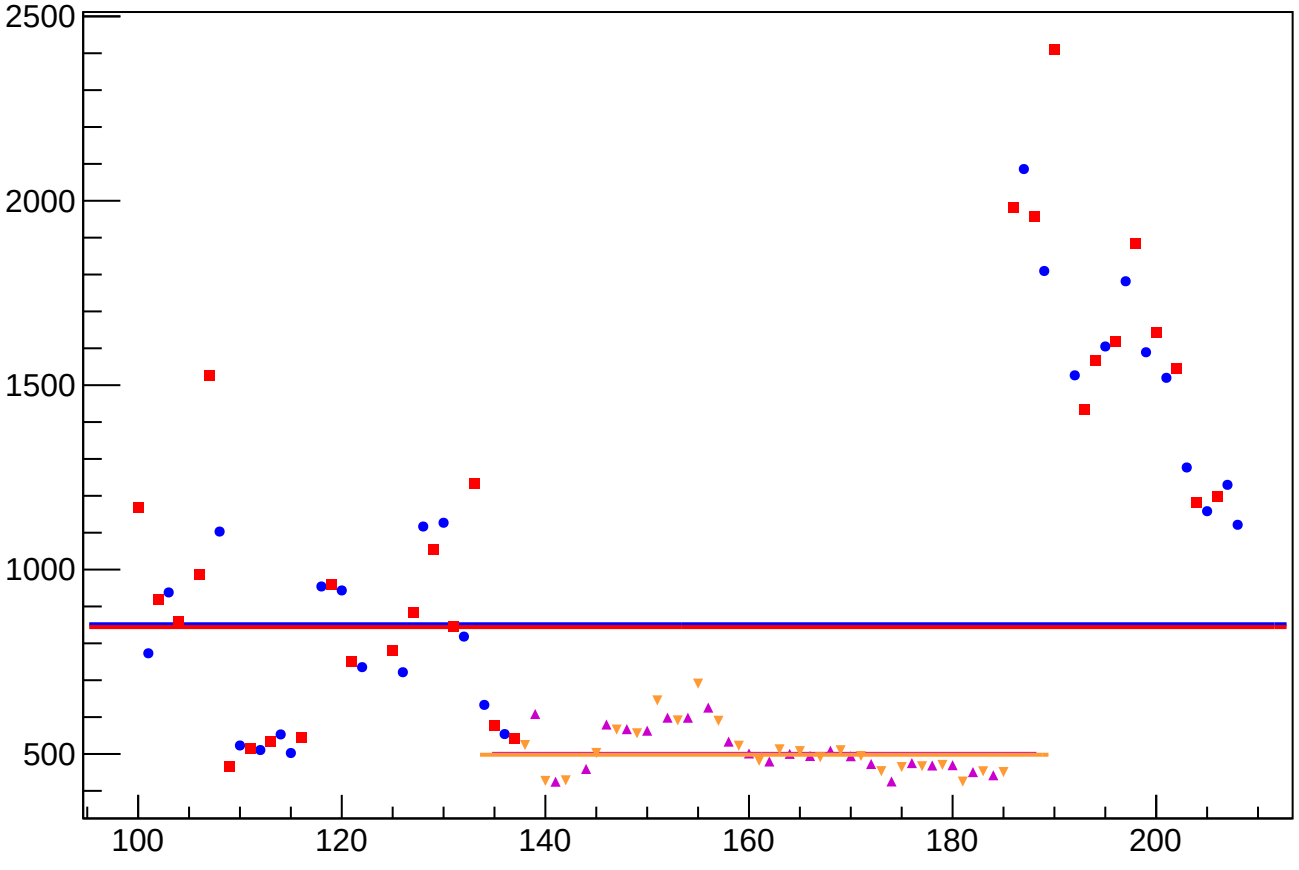
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -484.467+/-104.353 χ^2/NDF: 98.6/50

All: -334.888+/-74.111 χ^2/NDF: 150.6/102

- sign -182.669+/-105.270 χ^2/NDF: 47.9/51

asym_us_dd_reg_correction_rms vs Slug



Right In: 851.727+/-0.165 χ^2/NDF: 4702666.1/26

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

Right Out: 844.053+/-0.166 χ^2/NDF: 5935208.2/28

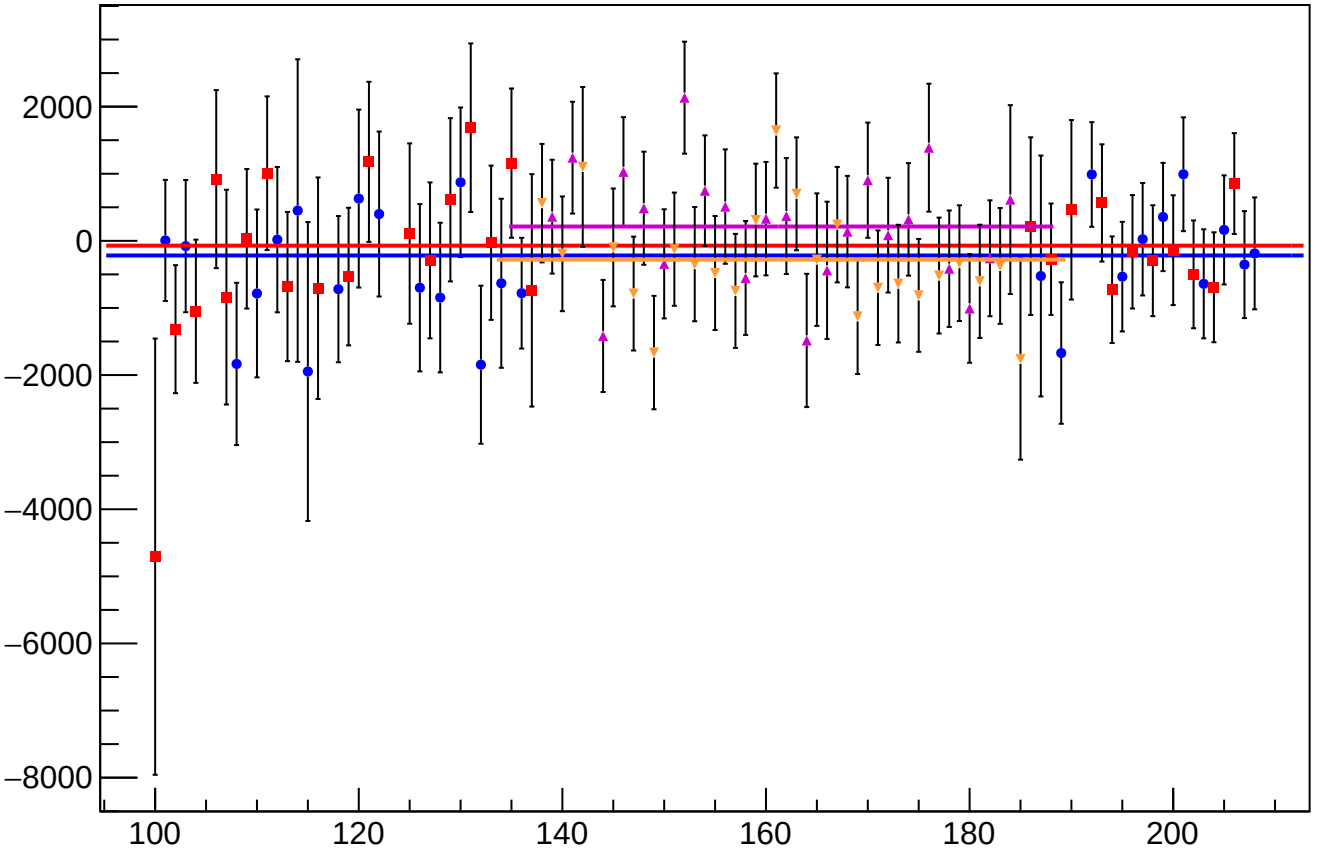
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 568.921+/-0.074 χ^2/NDF: 8915093.6/50

All: 569.248+/-0.052 χ^2/NDF: 18759274.3/10

- sign 569.581+/-0.074 χ^2/NDF: 9844141.1/51

cor_asym_us_dd_mean vs Slug



Right In: -218.187+/-193.456 χ^2/NDF: 15.2/26

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

Right Out: -71.352+/-193.556 χ^2/NDF: 15.7/28

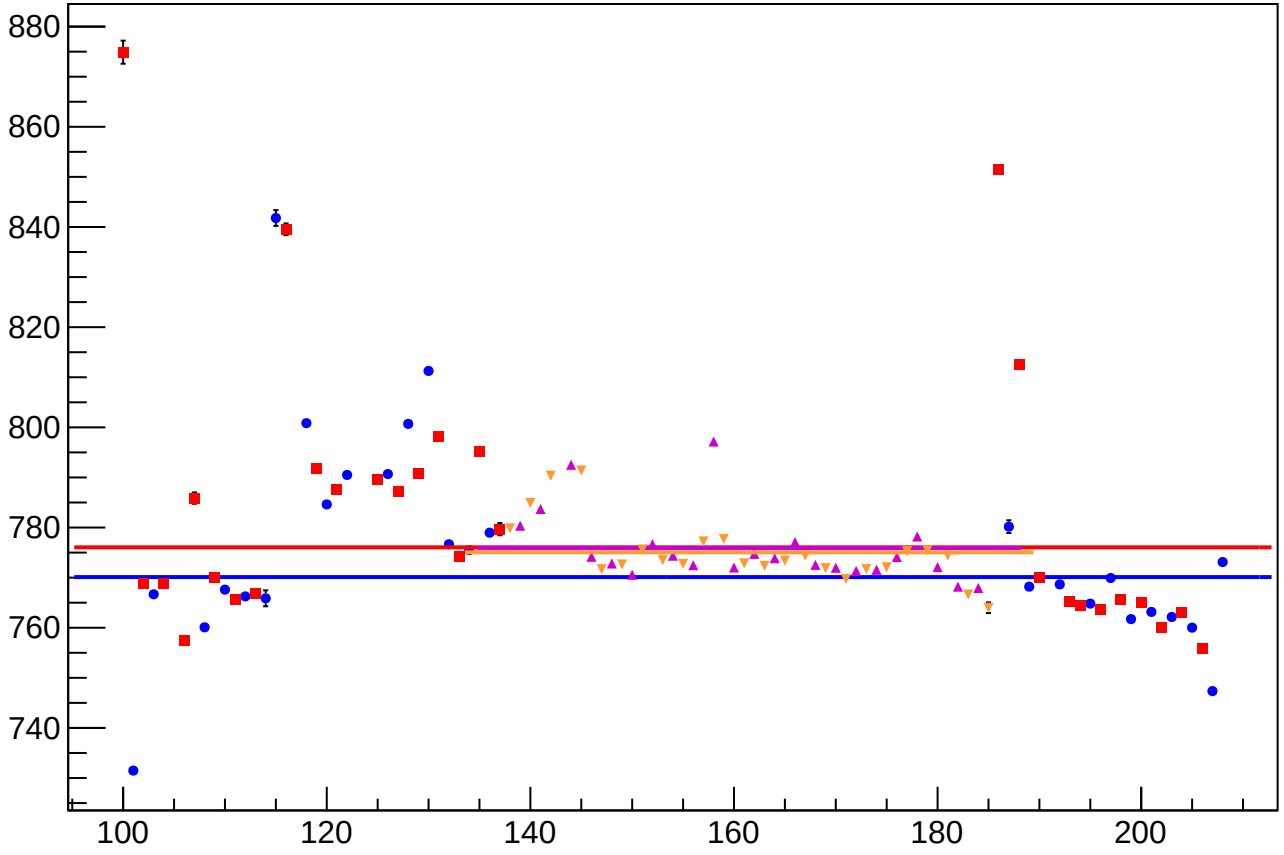
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -251.533+/-131.733 χ^2/NDF: 31.3/50

All: -86.219+/-93.338 χ^2/NDF: 73.7/102

- sign 80.441+/-132.268 χ^2/NDF: 39.2/51

cor_asym_us_dd_rms vs Slug



Right In: 770.111+/-0.137 χ^2/NDF: 16094.5/26

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

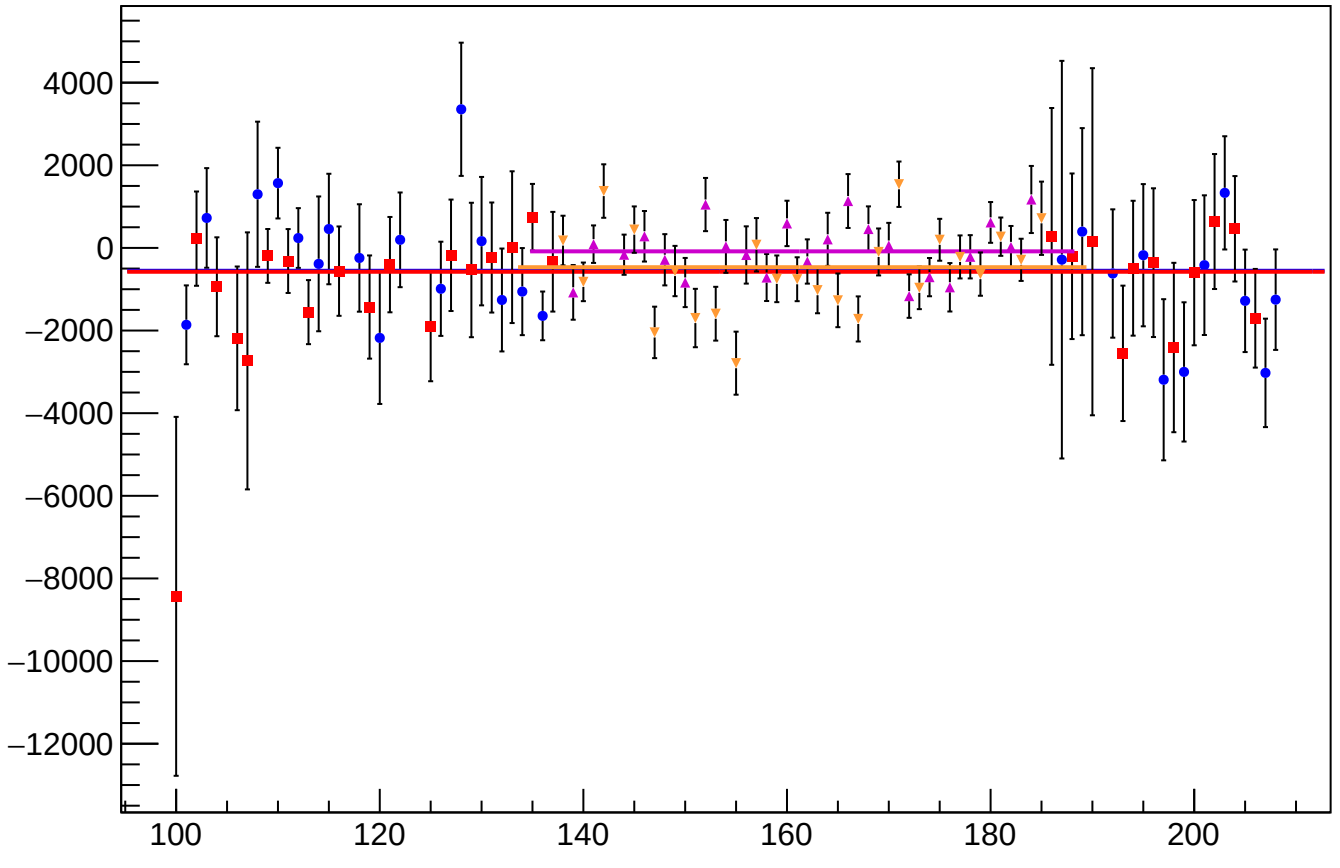
Right Out: 776.051+/-0.137 χ^2/NDF: 23444.3/28

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

+ sign 772.760+/-0.093 χ^2/NDF: 18744.7/50

All: 774.364+/-0.066 χ^2/NDF: 45758.4/102

- sign 775.982+/-0.094 χ^2/NDF: 26417.7/51



Right In: -553.486+/-233.008 χ^2/NDF: 34.0/26

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

Right Out: -576.963+/-234.498 χ^2/NDF: 16.2/28

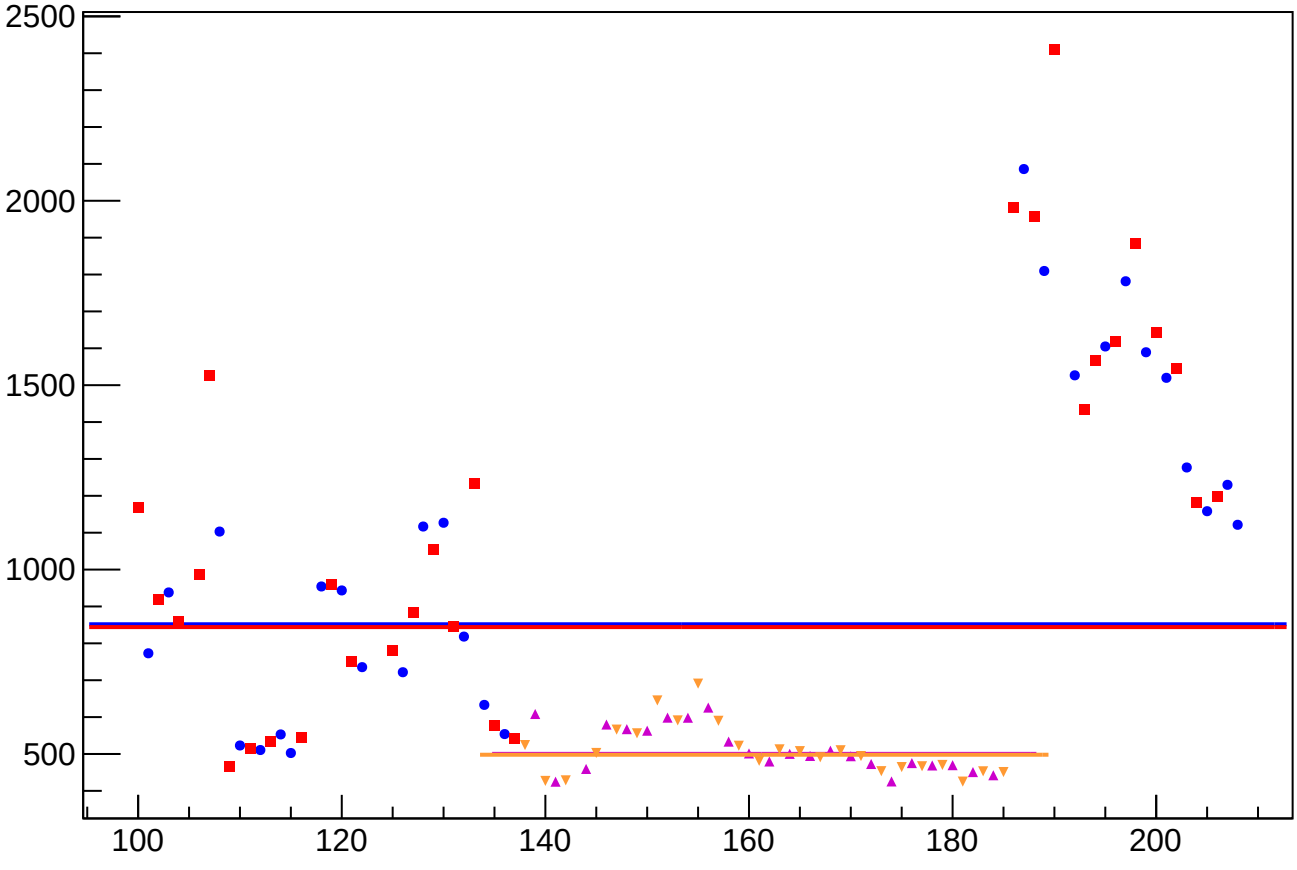
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -484.467+/-104.353 χ^2/NDF: 98.6/50

All: -334.888+/-74.111 χ^2/NDF: 150.6/102

- sign -182.669+/-105.270 χ^2/NDF: 47.9/51

asym_us_dd_cor_correction_rms vs Slug



Right In: 851.727+/-0.165 χ^2/NDF: 4702666.1/26

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

Right Out: 844.053+/-0.166 χ^2/NDF: 5935208.2/28

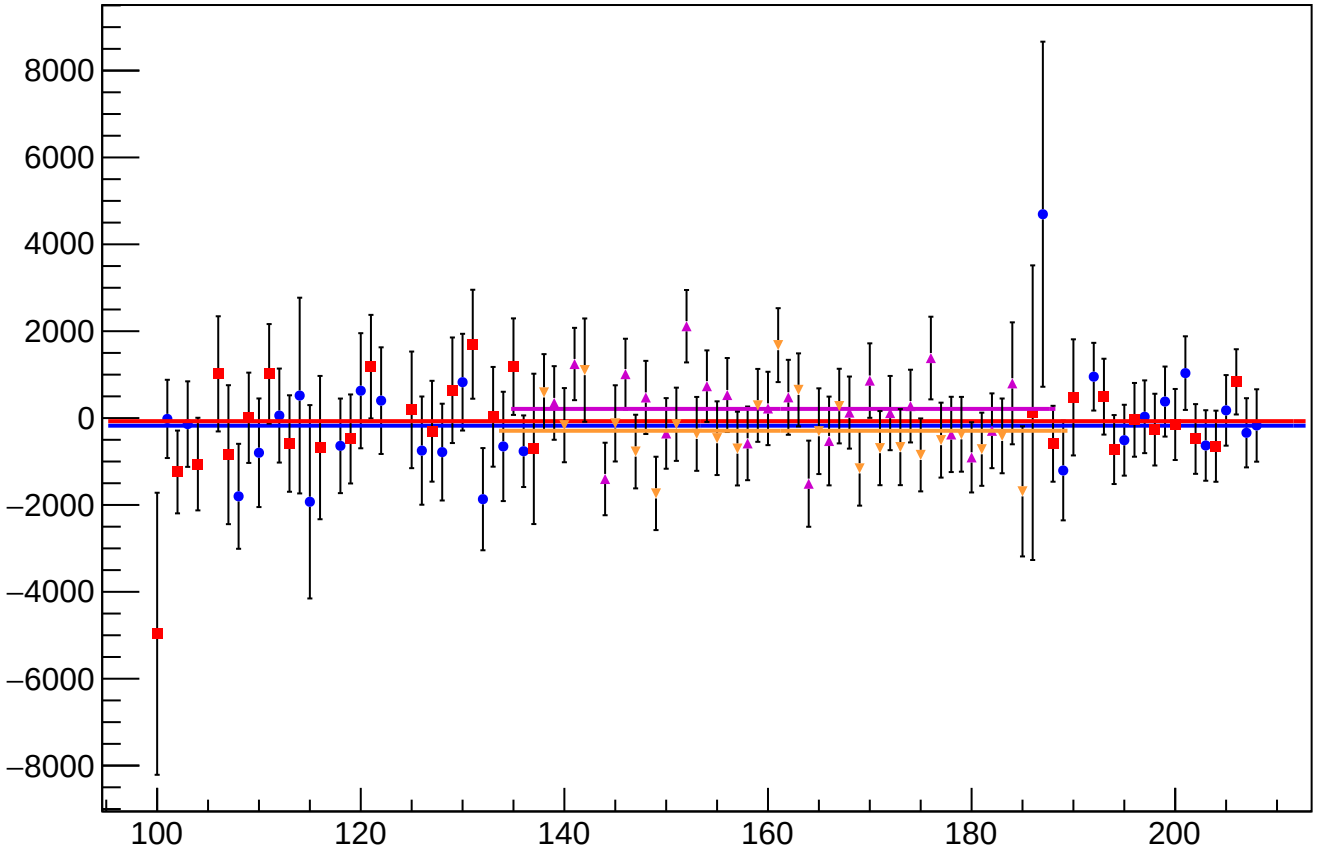
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 568.921+/-0.074 χ^2/NDF: 8915093.6/50

All: 569.248+/-0.052 χ^2/NDF: 18759274.3/10

- sign 569.581+/-0.074 χ^2/NDF: 9844141.1/51

overload_cor_asym_us_dd_mean vs Slug



Right In: -174.723+/-194.708 χ^2/NDF: 15.4/26

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

Right Out: -70.702+/-195.766 χ^2/NDF: 15.8/28

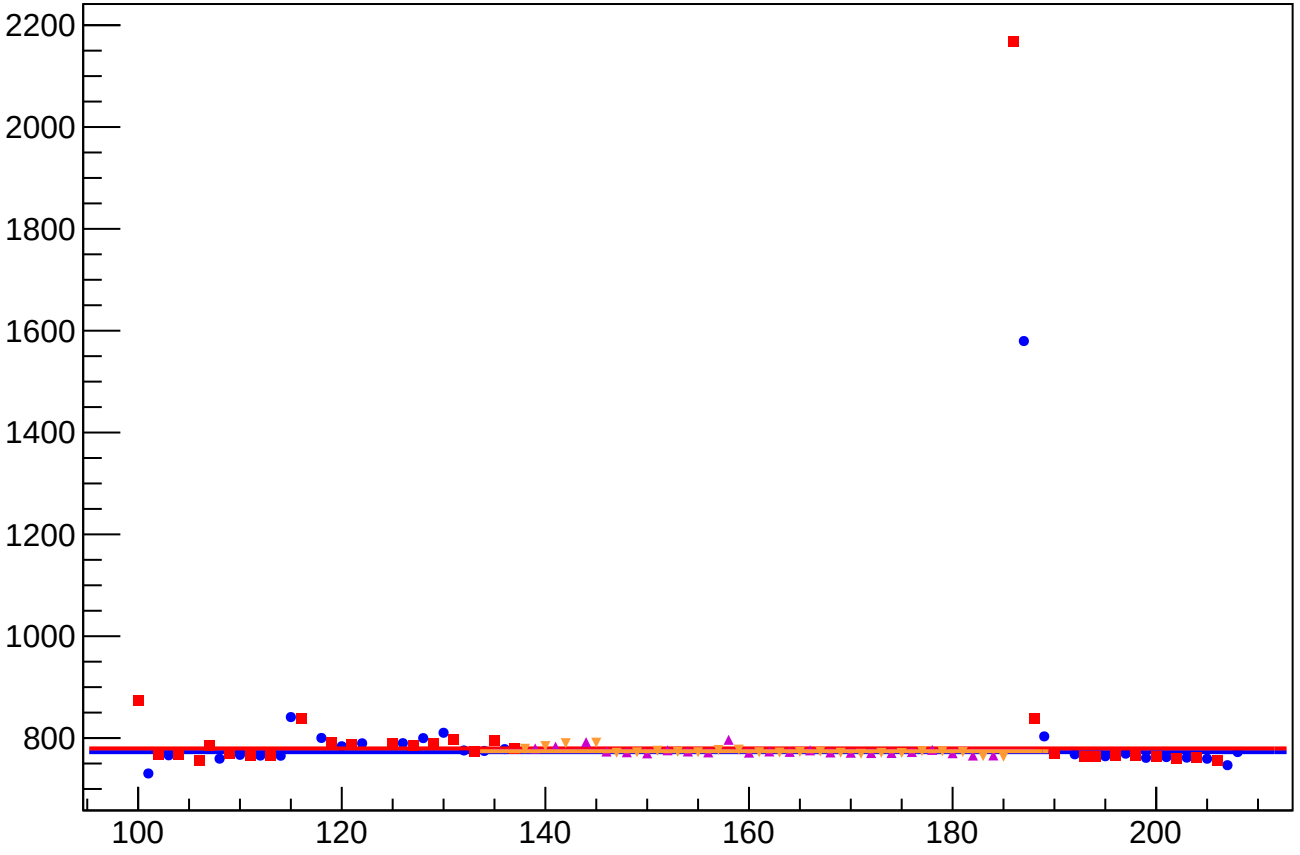
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -238.084+/-132.043 χ^2/NDF: 32.2/50

All: -79.383+/-93.663 χ^2/NDF: 74.1/102

- sign 81.339+/-132.881 χ^2/NDF: 39.1/51

overload_cor_asym_us_dd_rms vs Slug



Right In: 772.311+/-0.138 χ^2/NDF: 100556.3/26

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

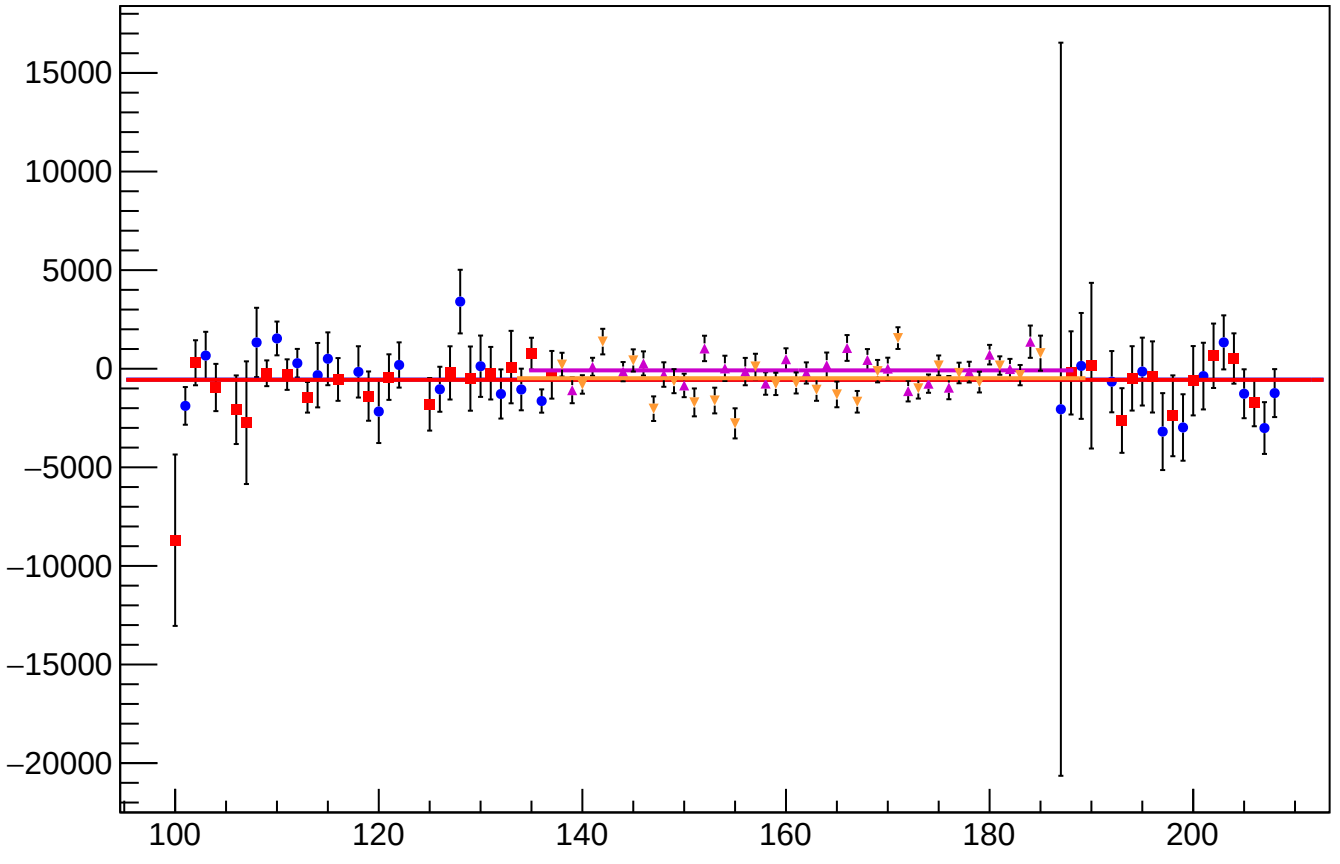
Right Out: 779.624+/-0.138 χ^2/NDF: 359188.8/28

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

+ sign 773.300+/-0.093 χ^2/NDF: 102712.2/50

All: 775.200+/-0.066 χ^2/NDF: 466487.7/102

- sign 777.125+/-0.094 χ^2/NDF: 362941.5/51



Right In: -551.712+/-233.668 χ^2/NDF: 34.0/26

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

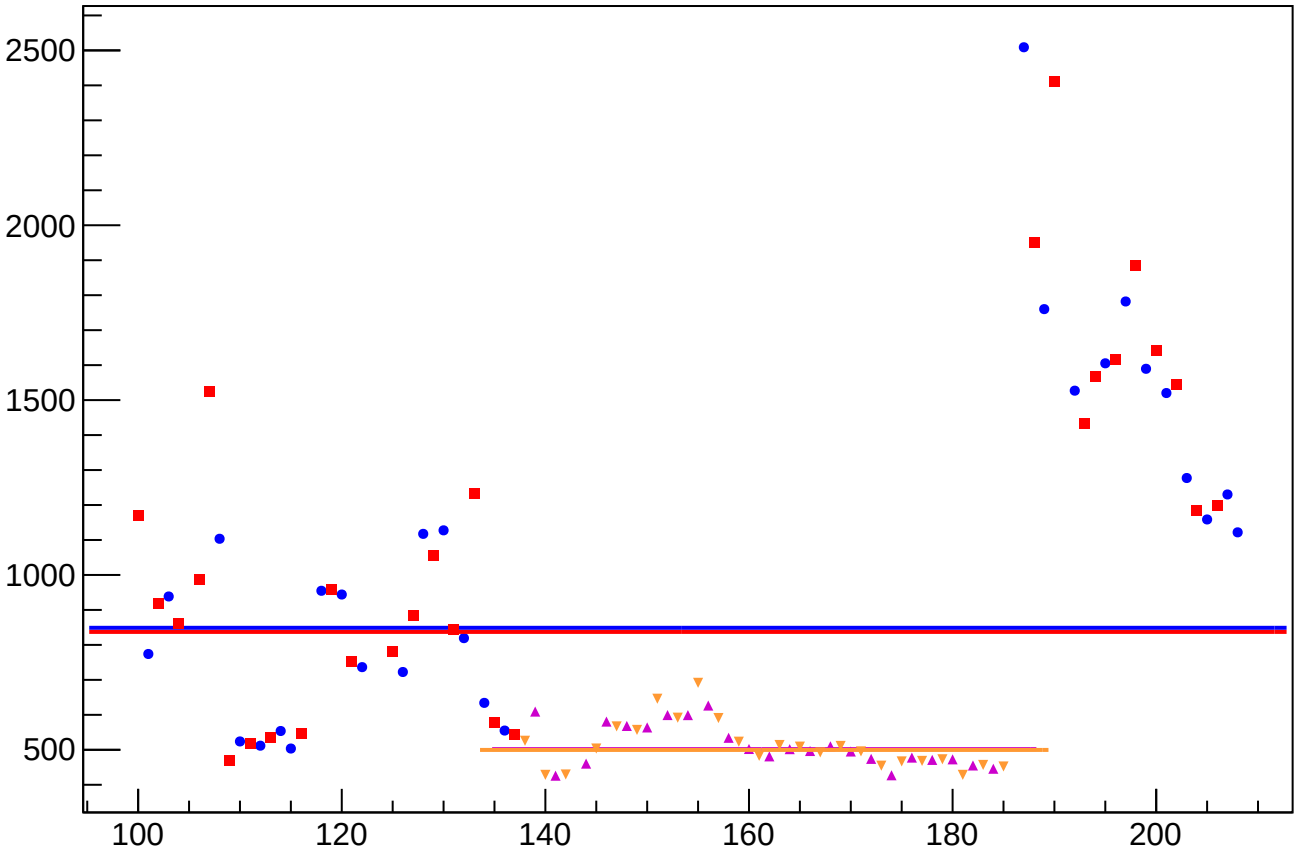
Right Out: -564.590+/-235.628 χ^2/NDF: 16.1/27

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

+ sign -495.443+/-104.684 χ^2/NDF: 97.6/50

All: -339.154+/-74.361 χ^2/NDF: 149.7/101

- sign -179.972+/-105.648 χ^2/NDF: 47.6/50



Right In: 848.868+/-0.165 χ^2/NDF: 4508807.7/26

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

Right Out: 837.150+/-0.167 χ^2/NDF: 5575691.3/27

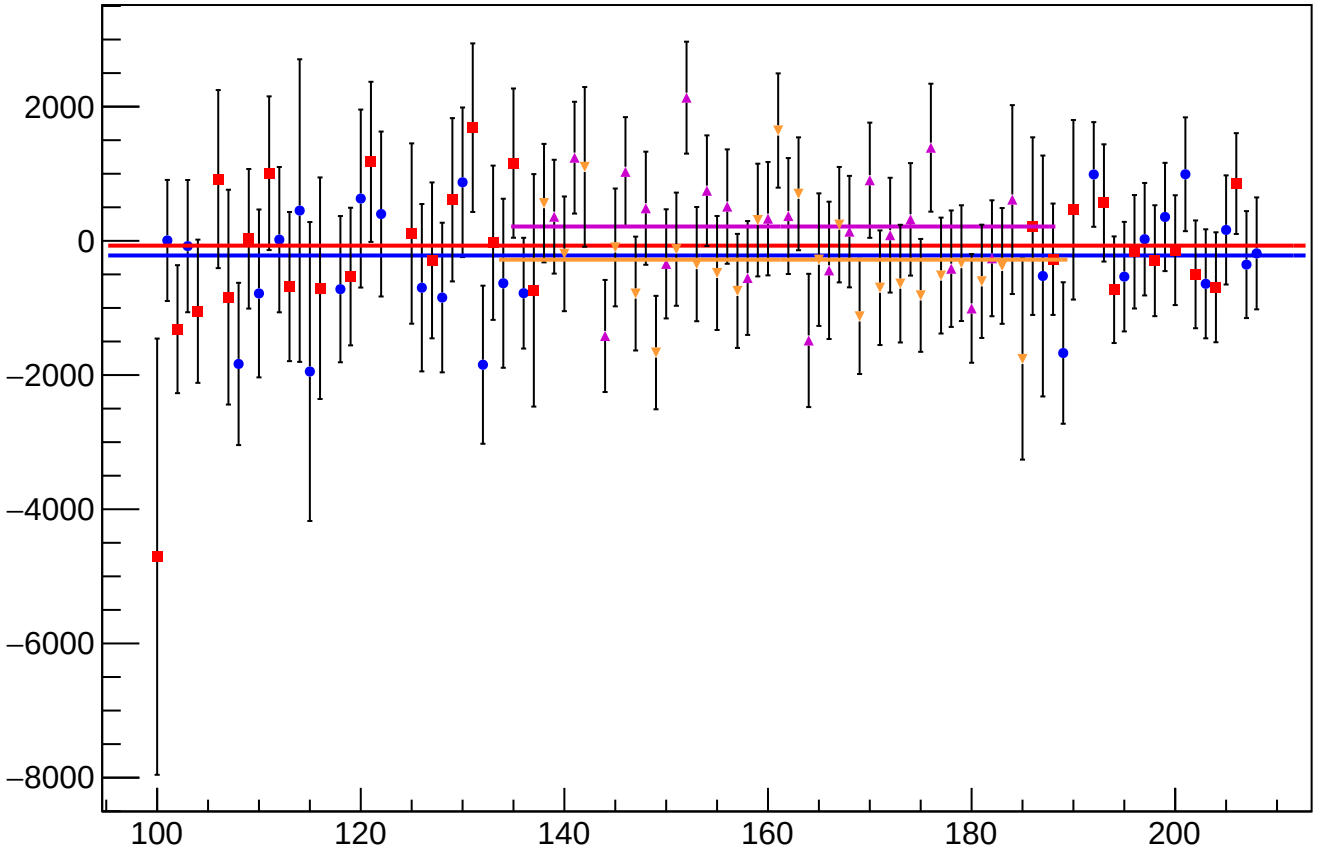
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 569.756+/-0.074 χ^2/NDF: 8595252.1/50

All: 569.578+/-0.053 χ^2/NDF: 17870722.1/10

- sign 569.397+/-0.075 χ^2/NDF: 9275458.3/50

eigen_cor_asym_us_dd_mean vs Slug



Right In: -218.187+/-193.456 χ^2/NDF: 15.2/26

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

Right Out: -71.352+/-193.556 χ^2/NDF: 15.7/28

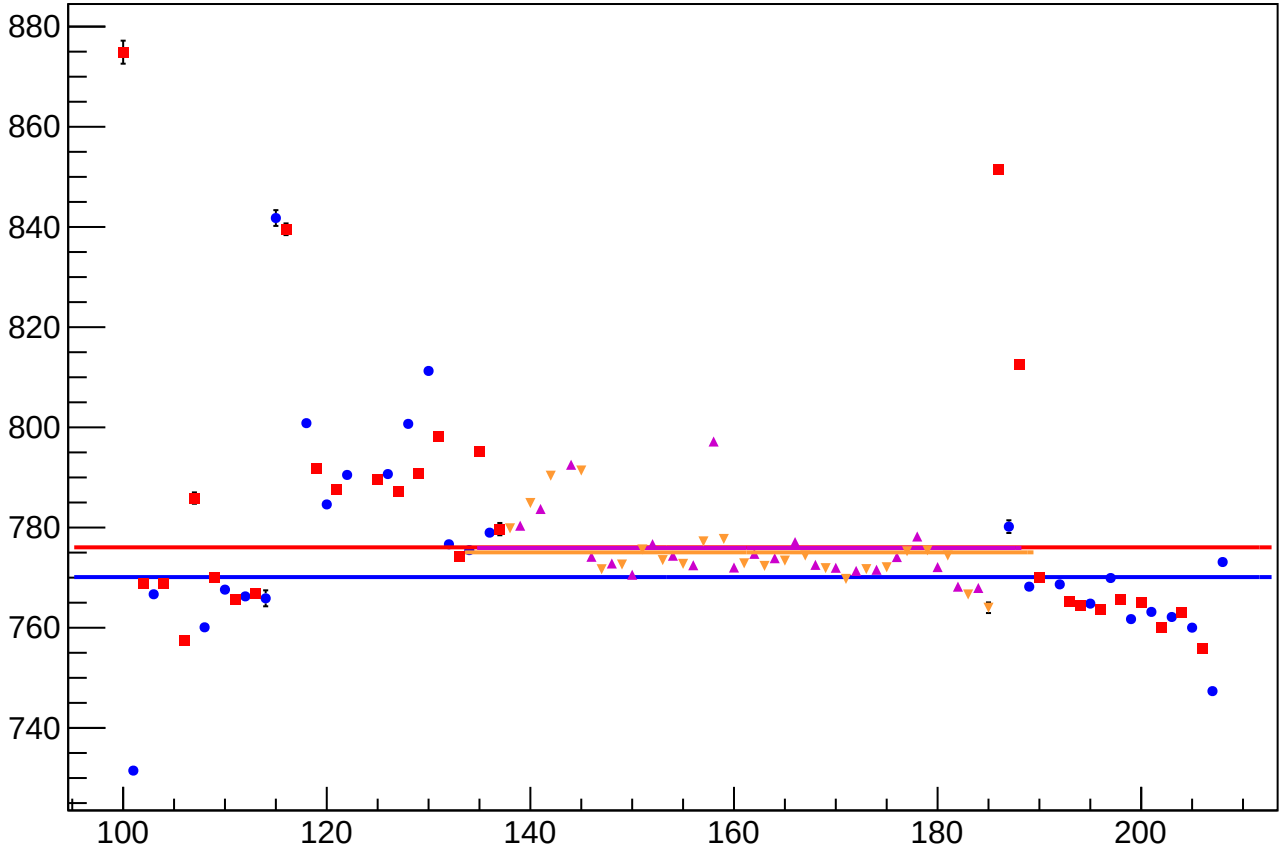
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -251.533+/-131.733 χ^2/NDF: 31.3/50

All: -86.219+/-93.338 χ^2/NDF: 73.7/102

- sign 80.441+/-132.268 χ^2/NDF: 39.2/51

eigen_cor_asym_us_dd_rms vs Slug



Right In: 770.111+/-0.137 χ^2/NDF: 16094.5/26

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

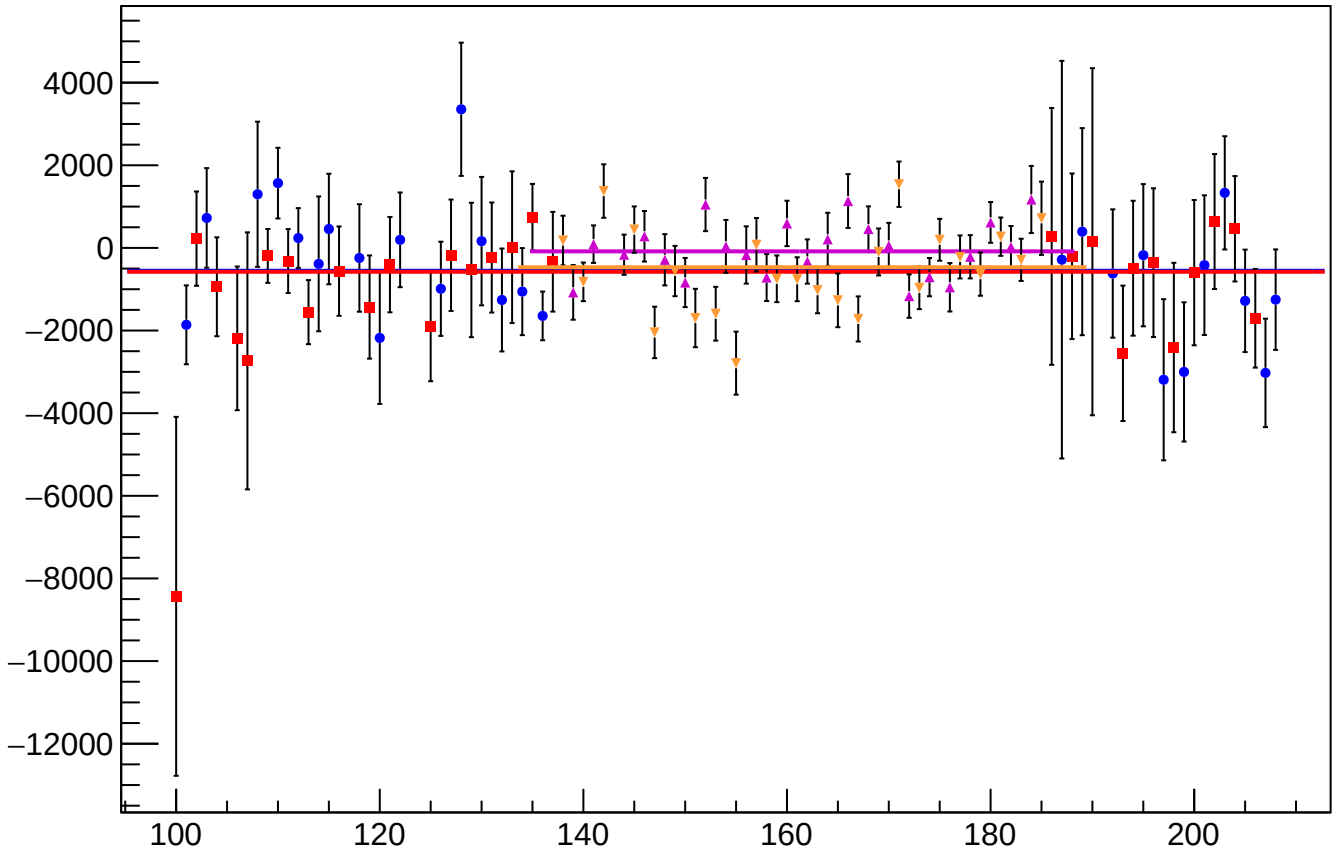
Right Out: 776.051+/-0.137 χ^2/NDF: 23444.3/28

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

+ sign 772.760+/-0.093 χ^2/NDF: 18744.7/50

All: 774.364+/-0.066 χ^2/NDF: 45758.4/102

- sign 775.982+/-0.094 χ^2/NDF: 26417.7/51



Right In: -553.486+/-233.008 χ^2/NDF: 34.0/26

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

Right Out: -576.963+/-234.498 χ^2/NDF: 16.2/28

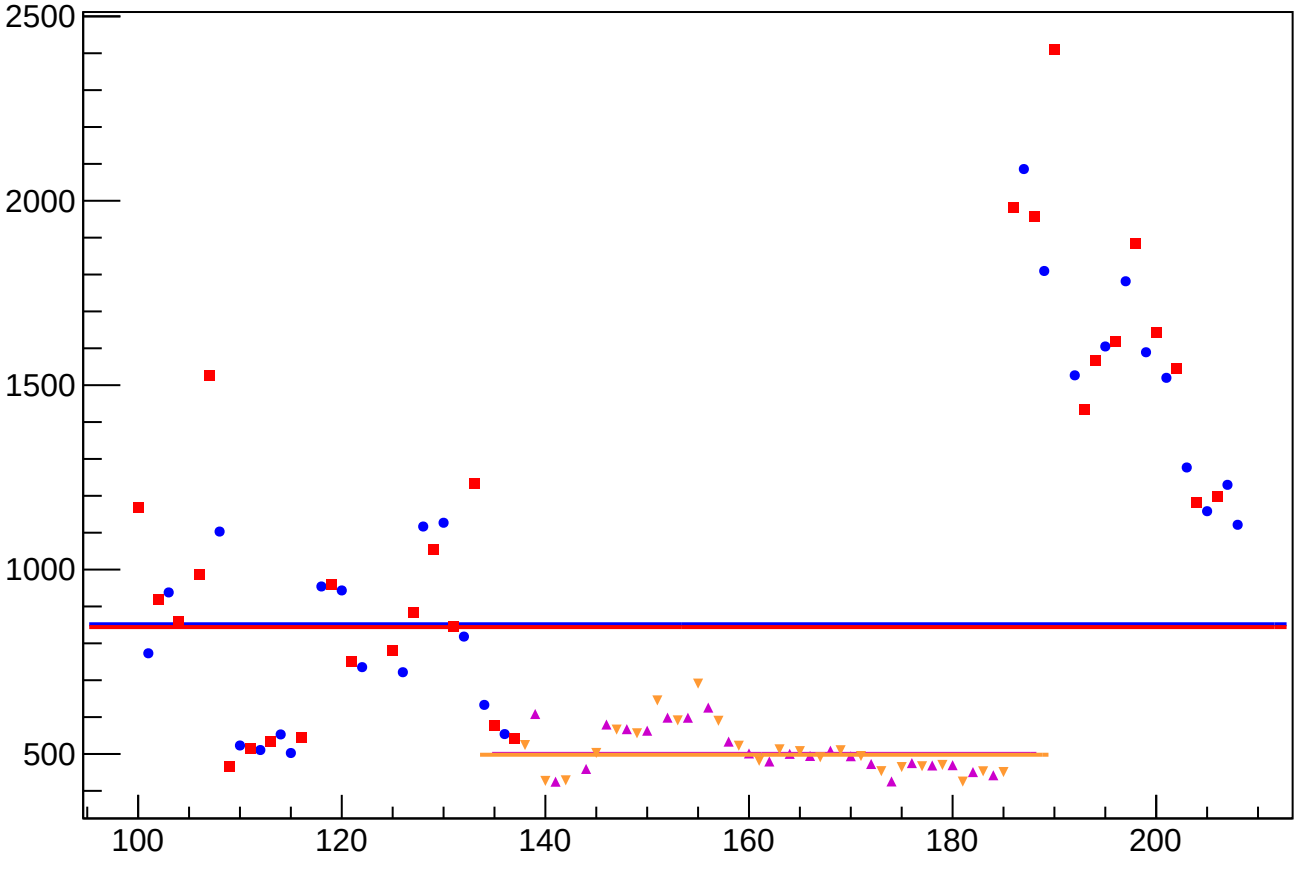
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -484.467+/-104.353 χ^2/NDF: 98.6/50

All: -334.888+/-74.111 χ^2/NDF: 150.6/102

\- sign -182.669+/-105.270 χ^2/NDF: 47.9/51

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 851.727+/-0.165 χ^2/NDF: 4702666.1/26

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

Right Out: 844.053+/-0.166 χ^2/NDF: 5935208.2/28

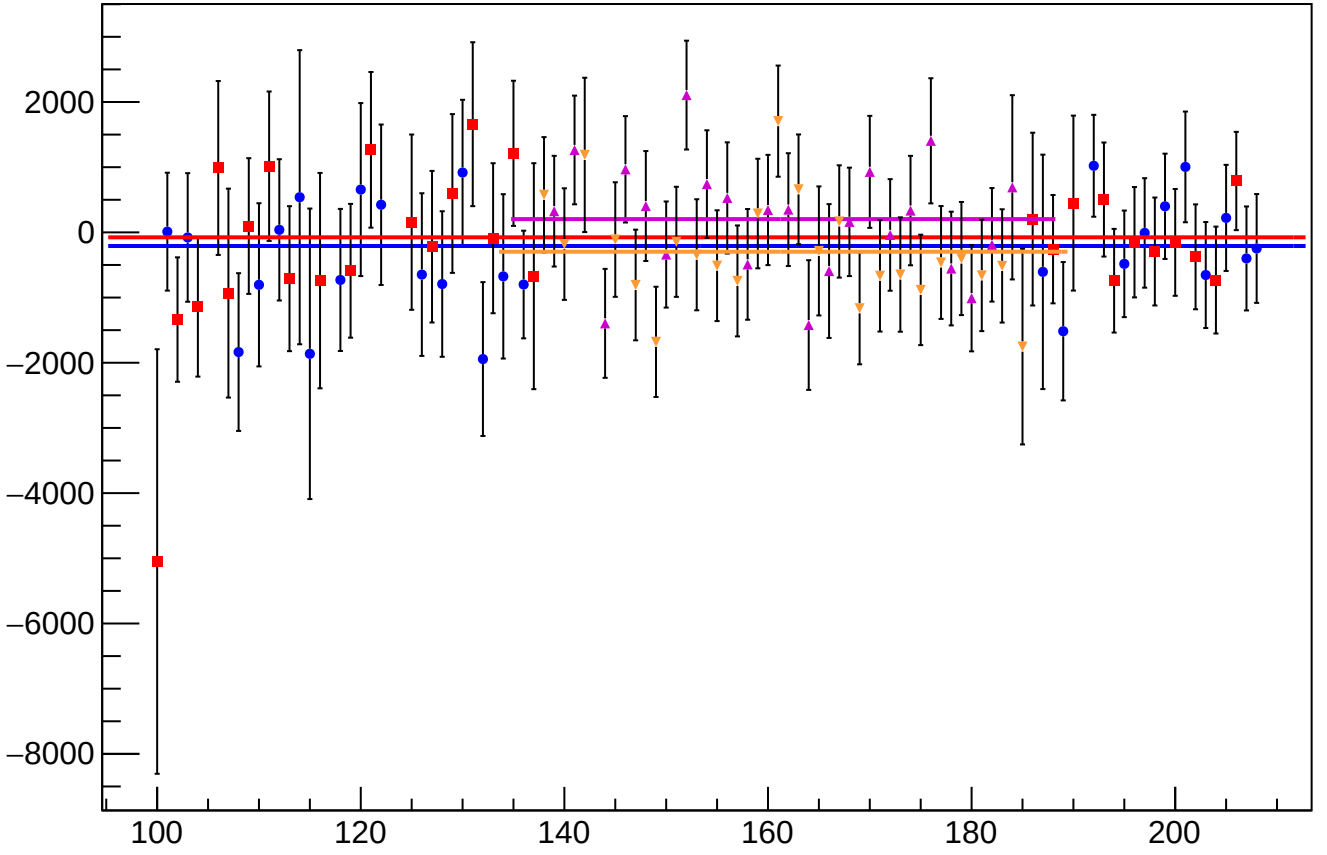
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 568.921+/-0.074 χ^2/NDF: 8915093.6/50

All: 569.248+/-0.052 χ^2/NDF: 18759274.3/10

- sign 569.581+/-0.074 χ^2/NDF: 9844141.1/51

dit_asym_us_dd_mean vs Slug



Right In: -208.833+/-193.706 χ^2/NDF: 15.4/26

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

Right Out: -75.748+/-193.810 χ^2/NDF: 16.2/28

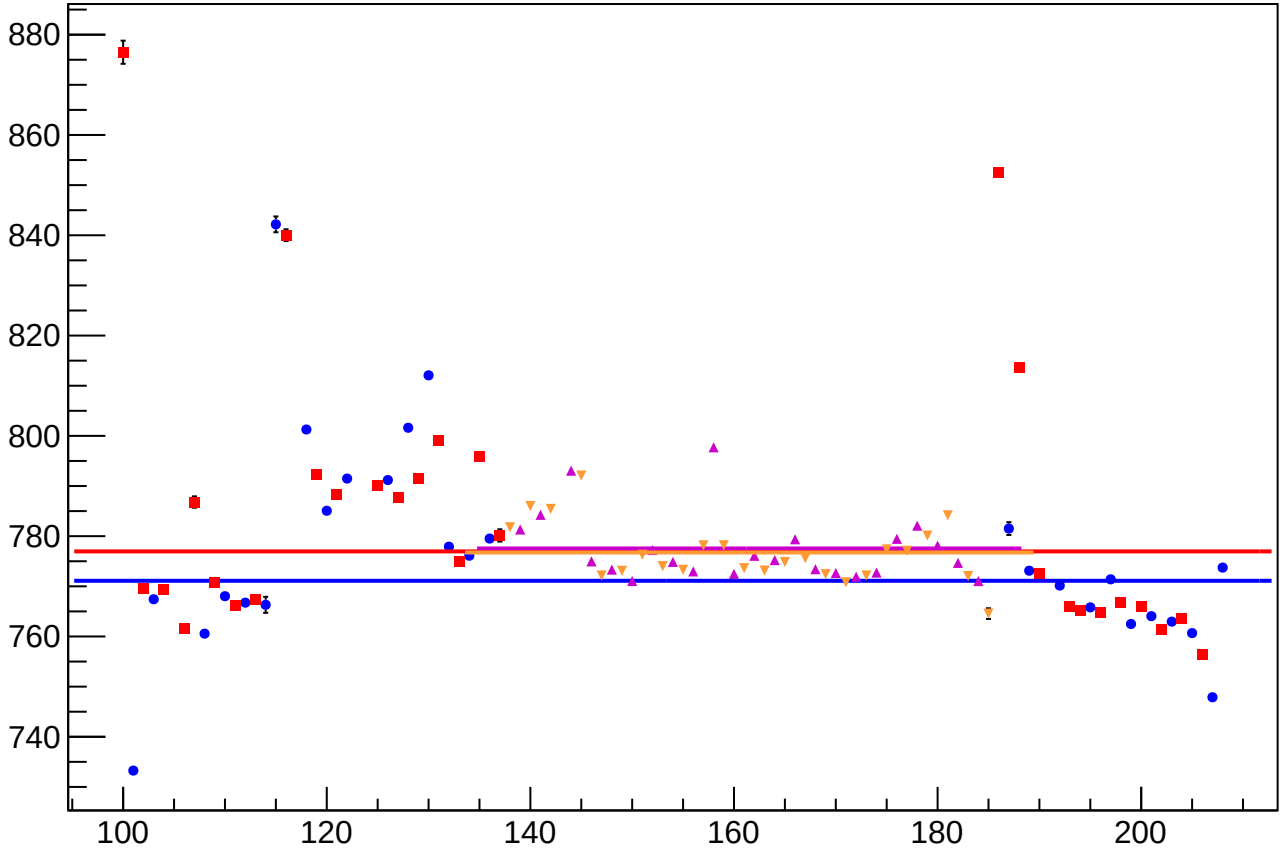
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -255.954+/-131.969 χ^2/NDF: 32.2/50

All: -92.183+/-93.502 χ^2/NDF: 74.8/102

- sign 72.902+/-132.497 χ^2/NDF: 39.4/51

dit_asym_us_dd_rms vs Slug



Right In: 771.105+/-0.137 χ^2/NDF: 15858.8/26

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

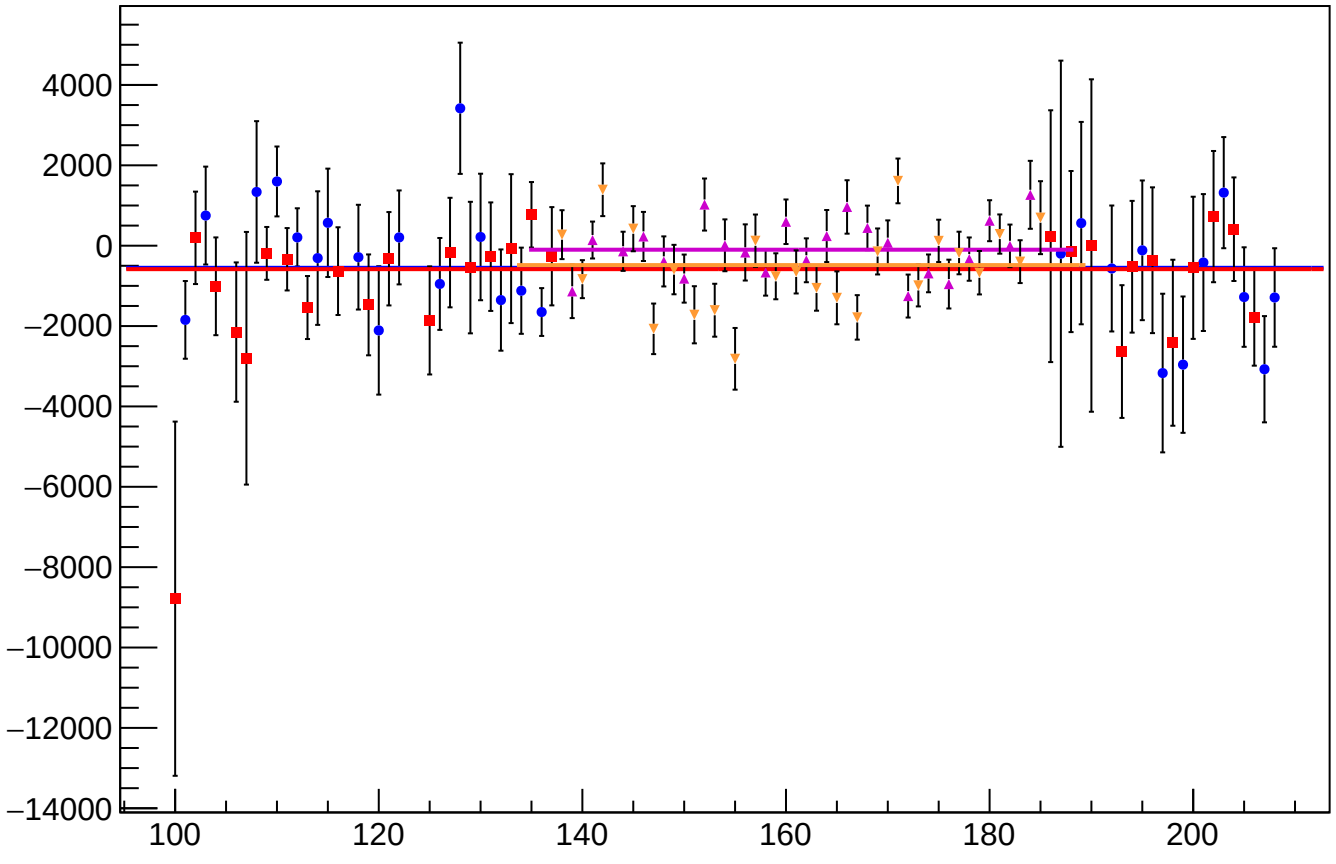
Right Out: 776.964+/-0.137 χ^2/NDF: 23251.2/28

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

+ sign 774.130+/-0.093 χ^2/NDF: 18595.6/50

All: 775.697+/-0.066 χ^2/NDF: 45173.3/102

- sign 777.276+/-0.094 χ^2/NDF: 26011.7/51



Right In: -550.334+/-235.129 χ^2/NDF: 34.0/26

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

Right Out: -584.023+/-236.490 χ^2/NDF: 16.5/28

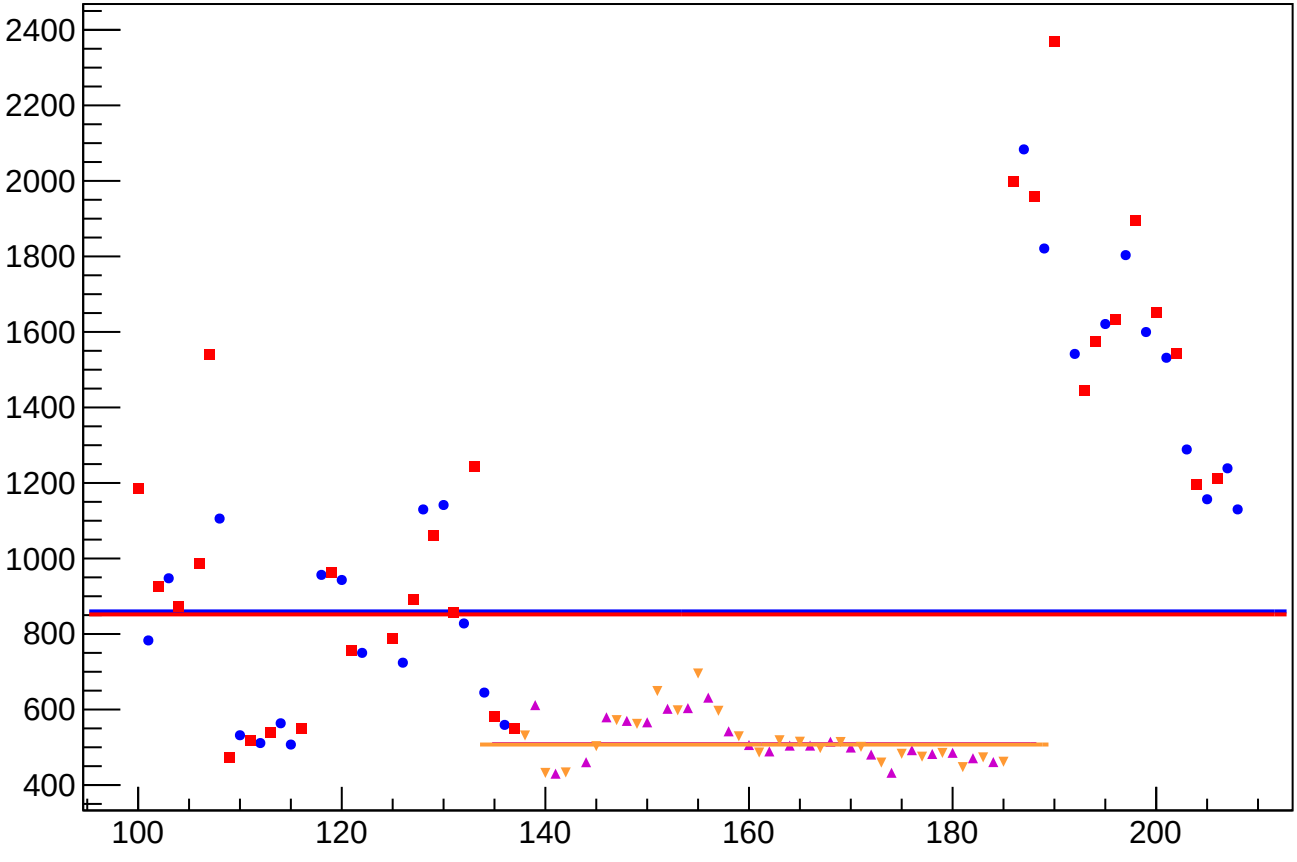
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -496.604+/-106.038 χ^2/NDF: 99.2/50

All: -348.679+/-75.242 χ^2/NDF: 150.3/102

- sign -198.671+/-106.782 χ^2/NDF: 47.2/51

asym_us_dd_dit_correction_rms vs Slug



Right In: 859.862+/-0.166 χ^2/NDF: 4684466.7/26

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

Right Out: 851.915+/-0.167 χ^2/NDF: 5897448.3/28

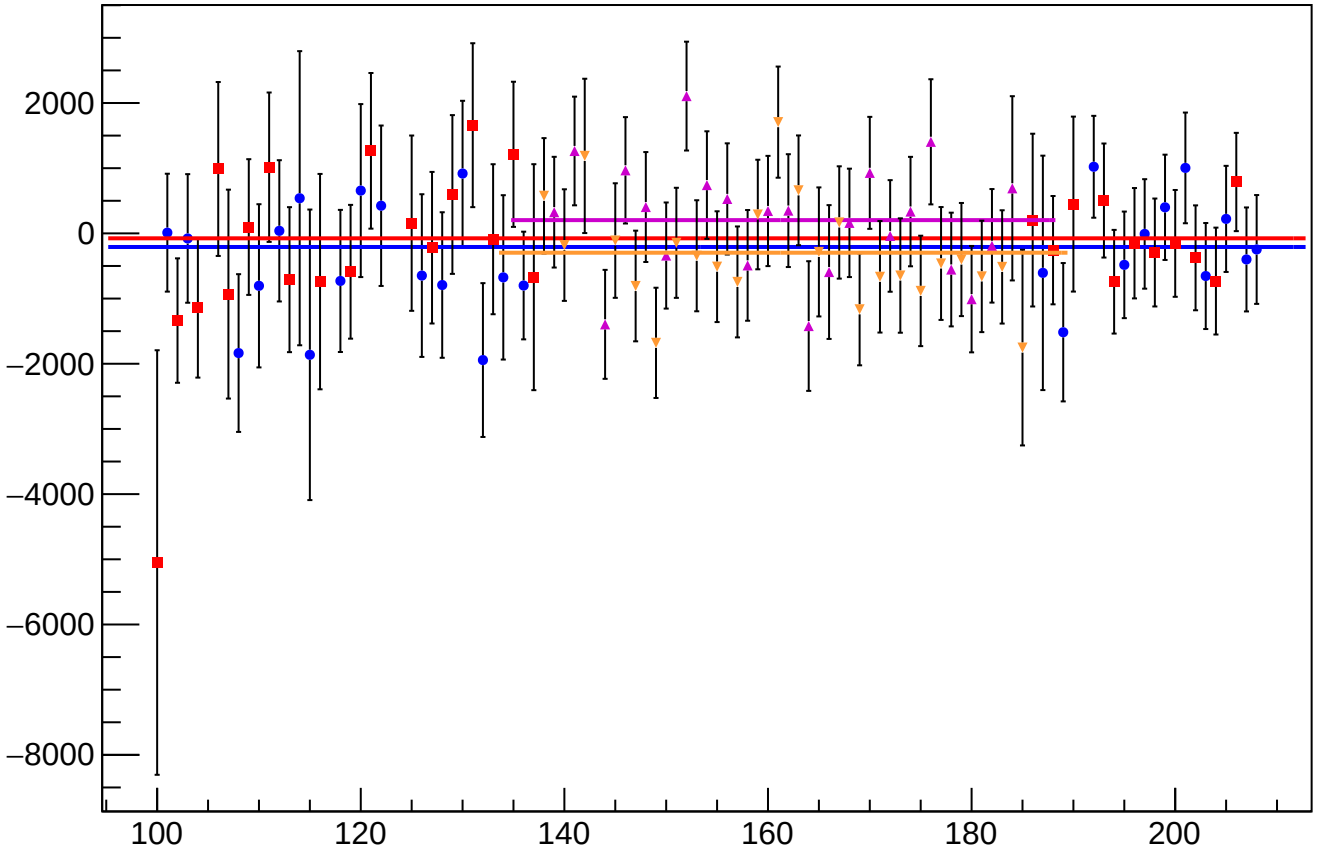
Left In: 508.638+/-0.085 χ^2/NDF:432447.1/22

+ sign 579.020+/-0.075 χ^2/NDF: 8740182.7/50

All: 578.824+/-0.053 χ^2/NDF: 18424939.2/10

- sign 578.625+/-0.076 χ^2/NDF: 9684742.8/51

eigen_dit_asym_us_dd_mean vs Slug



Right In: -208.833+/-193.706 χ^2/NDF: 15.4/26

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

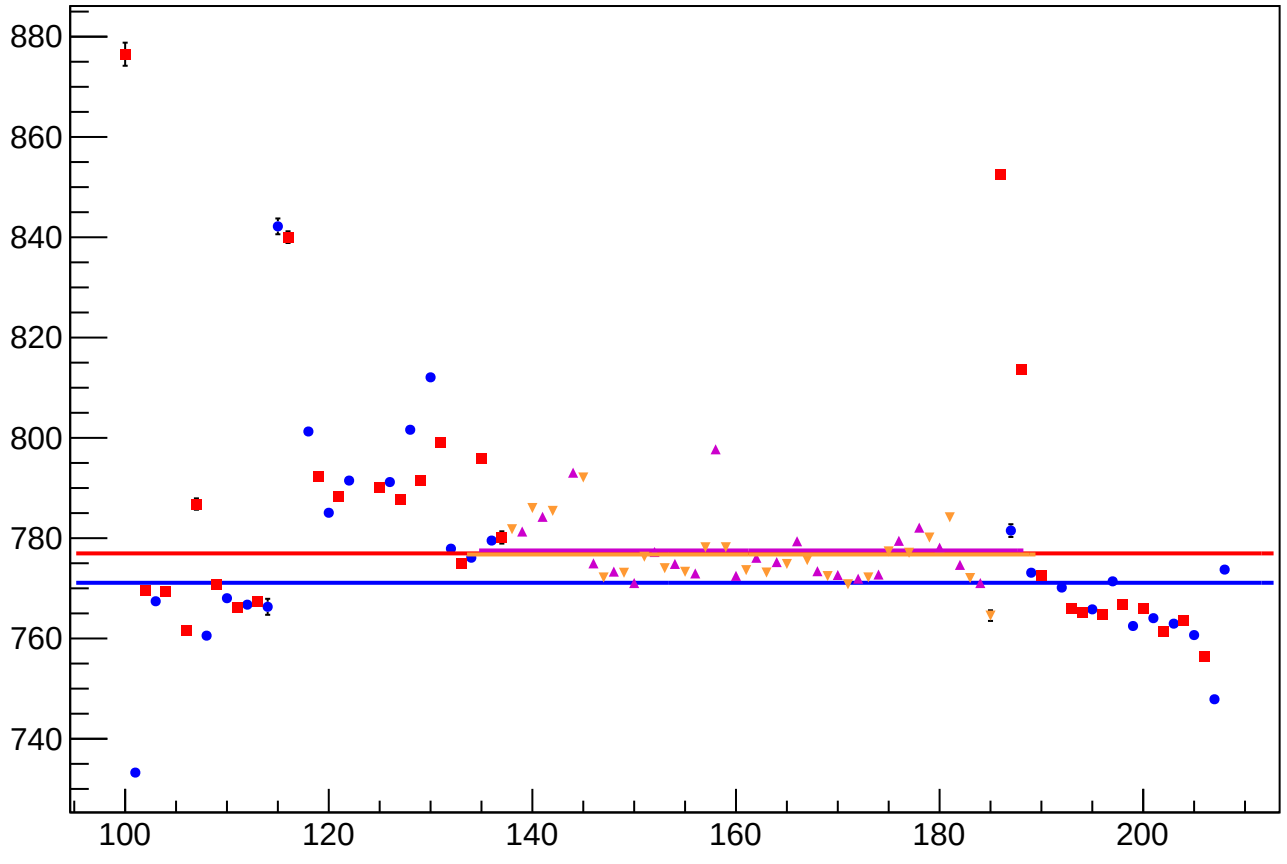
Right Out: -75.749+/-193.810 χ^2/NDF: 16.2/28

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

+ sign -255.955+/-131.969 χ^2/NDF: 32.2/50

All: -92.183+/-93.502 χ^2/NDF: 74.8/102

- sign 72.902+/-132.497 χ^2/NDF: 39.4/51



Right In: 771.105+/-0.137 χ^2/NDF: 15858.7/26

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

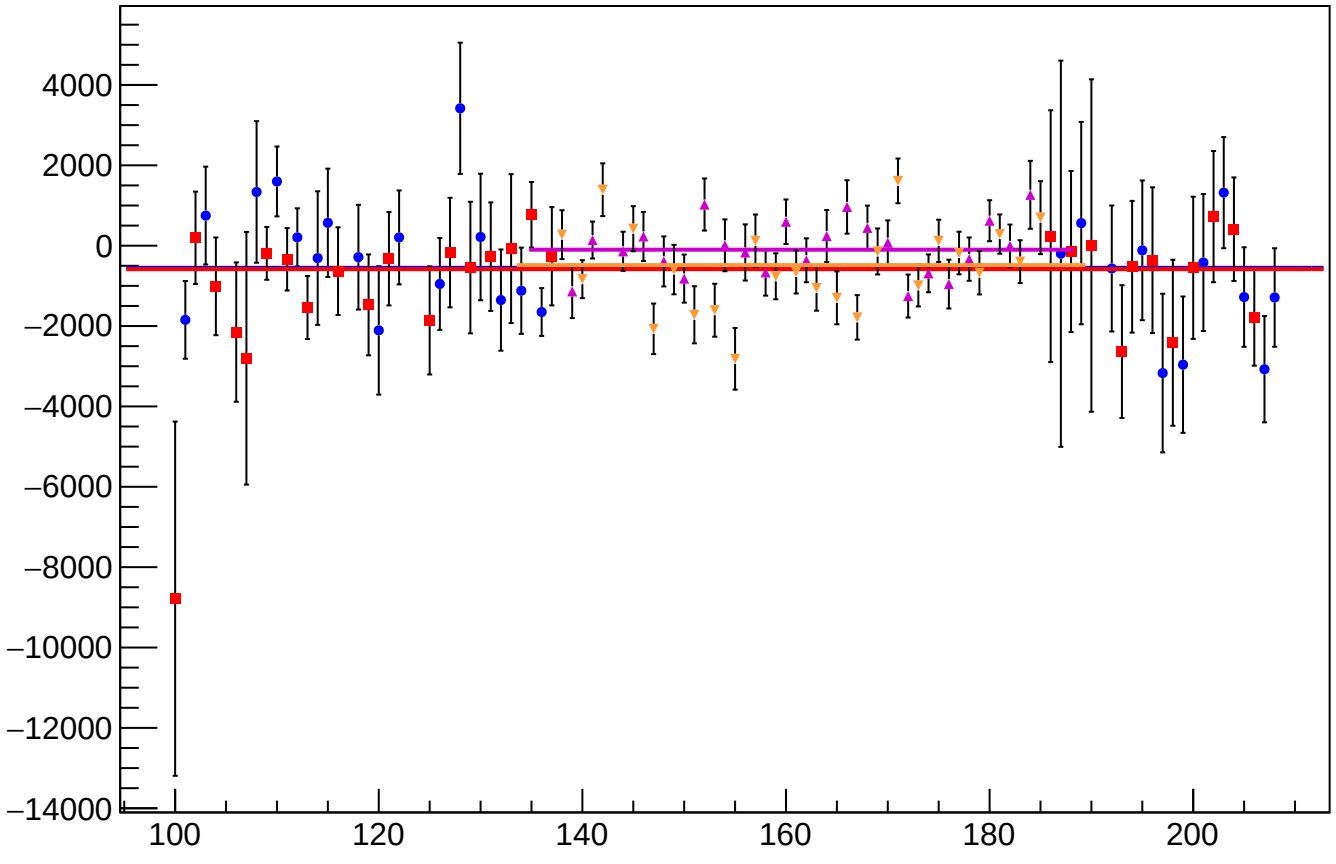
Right Out: 776.964+/-0.137 χ^2/NDF: 23251.2/28

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

+ sign 774.130+/-0.093 χ^2/NDF: 18595.5/50

All: 775.697+/-0.066 χ^2/NDF: 45173.2/102

- sign 777.276+/-0.094 χ^2/NDF: 26011.6/51



Right In: -550.328+/-235.128 χ^2/NDF: 34.0/26

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

Right Out: -584.022+/-236.489 χ^2/NDF: 16.5/28

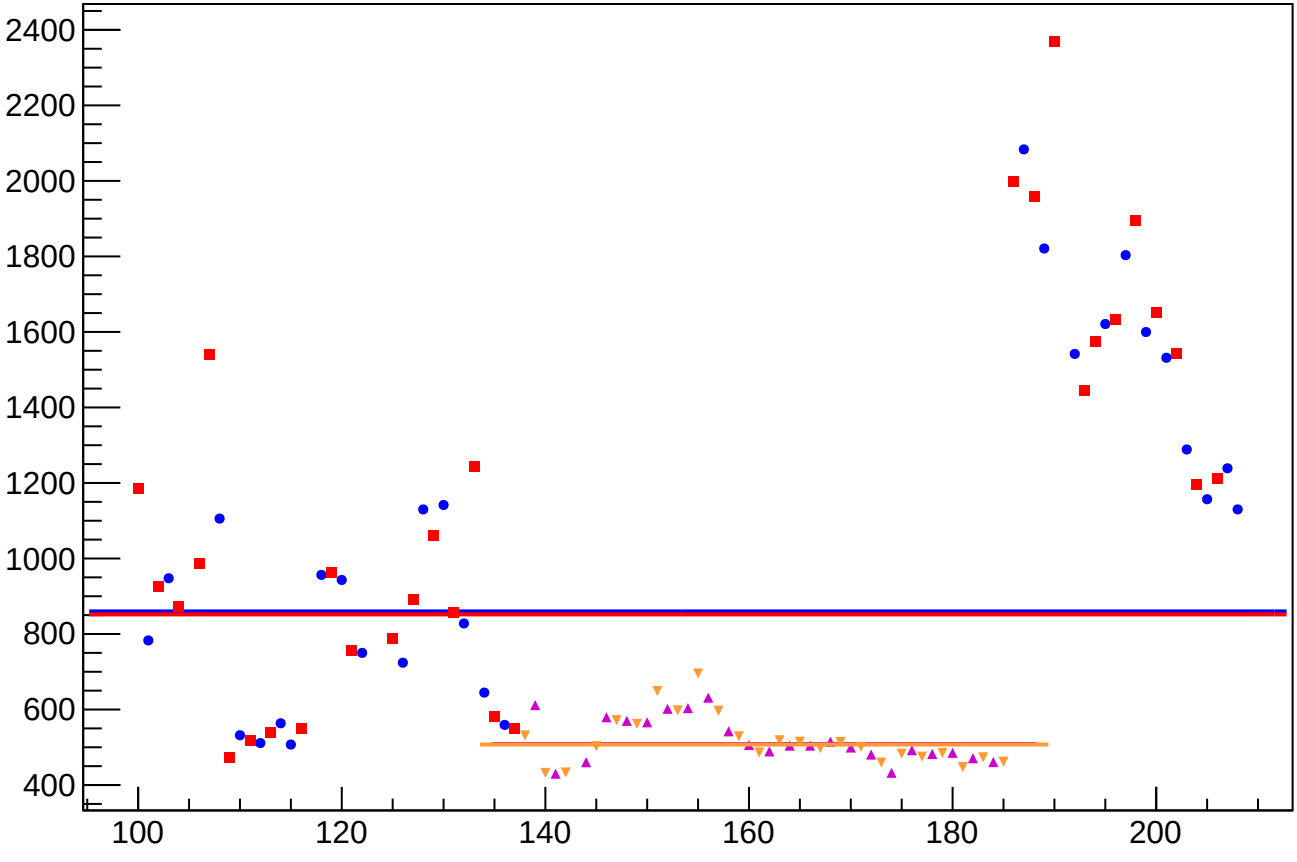
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -496.603+/-106.038 χ^2/NDF: 99.2/50

All: -348.679+/-75.242 χ^2/NDF: 150.3/102

- sign -198.671+/-106.782 χ^2/NDF: 47.2/51

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 859.858+/-0.166 χ^2/NDF: 4684525.7/26

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

Right Out: 851.911+/-0.167 χ^2/NDF: 5897509.6/28

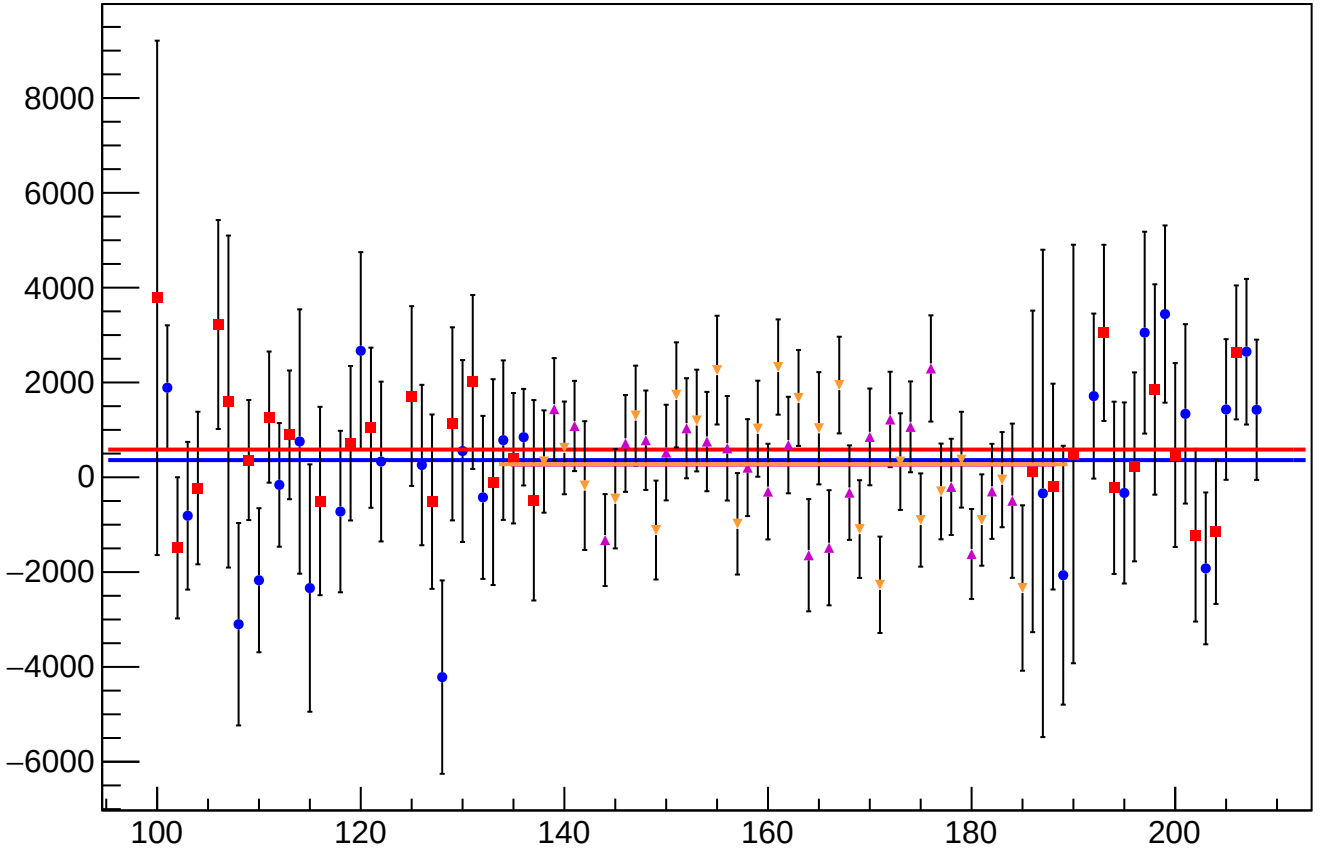
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

+ sign 579.019+/-0.075 χ^2/NDF: 8740190.7/50

All: 578.824+/-0.053 χ^2/NDF: 18424970.2/10

- sign 578.625+/-0.076 χ^2/NDF: 9684765.8/51

asym_us_dd_mean vs Slug



Right In: 362.347+/-329.029 χ^2/NDF: 27.2/26

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

Right Out: 584.633+/-337.069 χ^2/NDF: 13.4/28

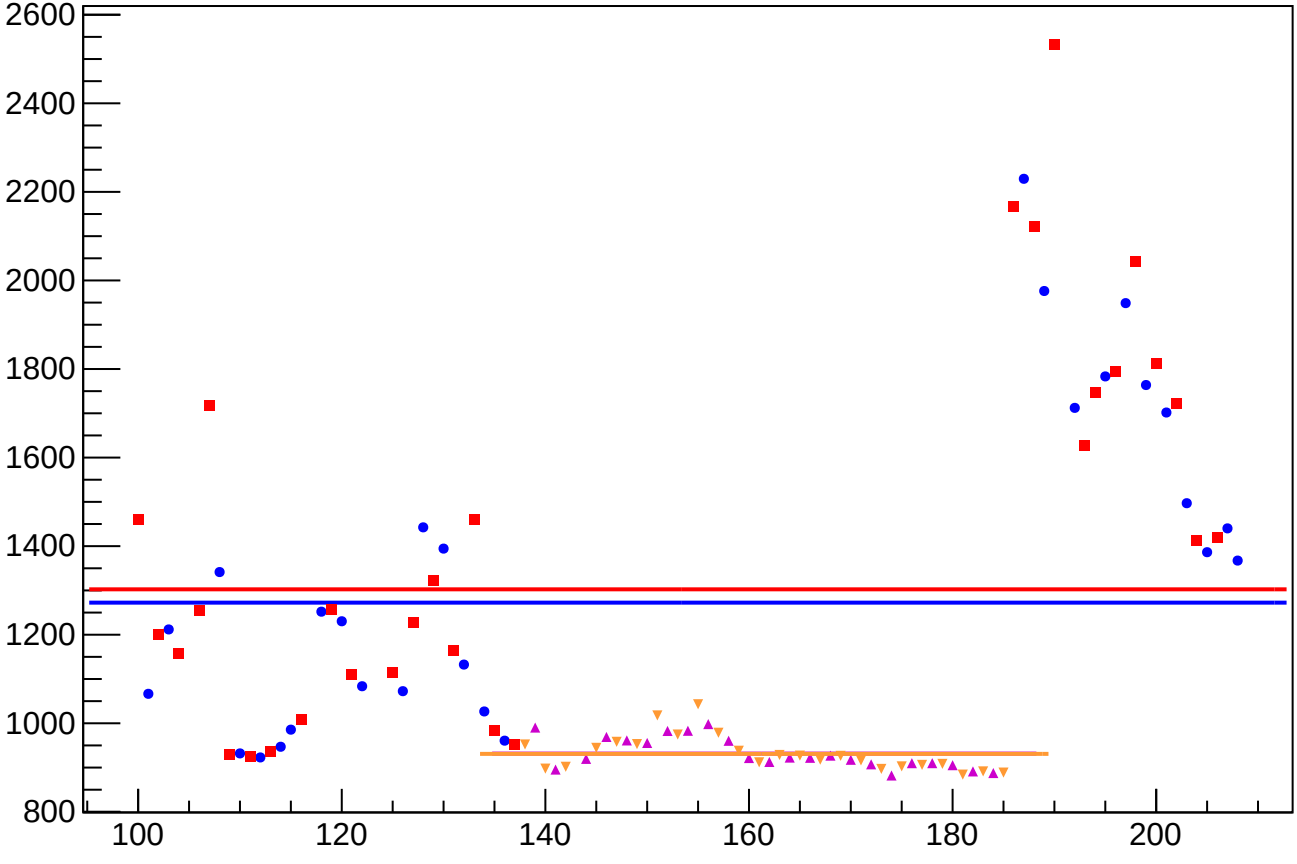
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

\+ sign 301.482+/-180.737 χ^2/NDF: 60.8/50

All: 330.660+/-128.546 χ^2/NDF: 96.3/102

\- sign 360.529+/-182.865 χ^2/NDF: 35.4/51

asym_us_dd_rms vs Slug



Right In: 1272.432+/-0.233 χ^2/NDF: 1667983.4/26

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

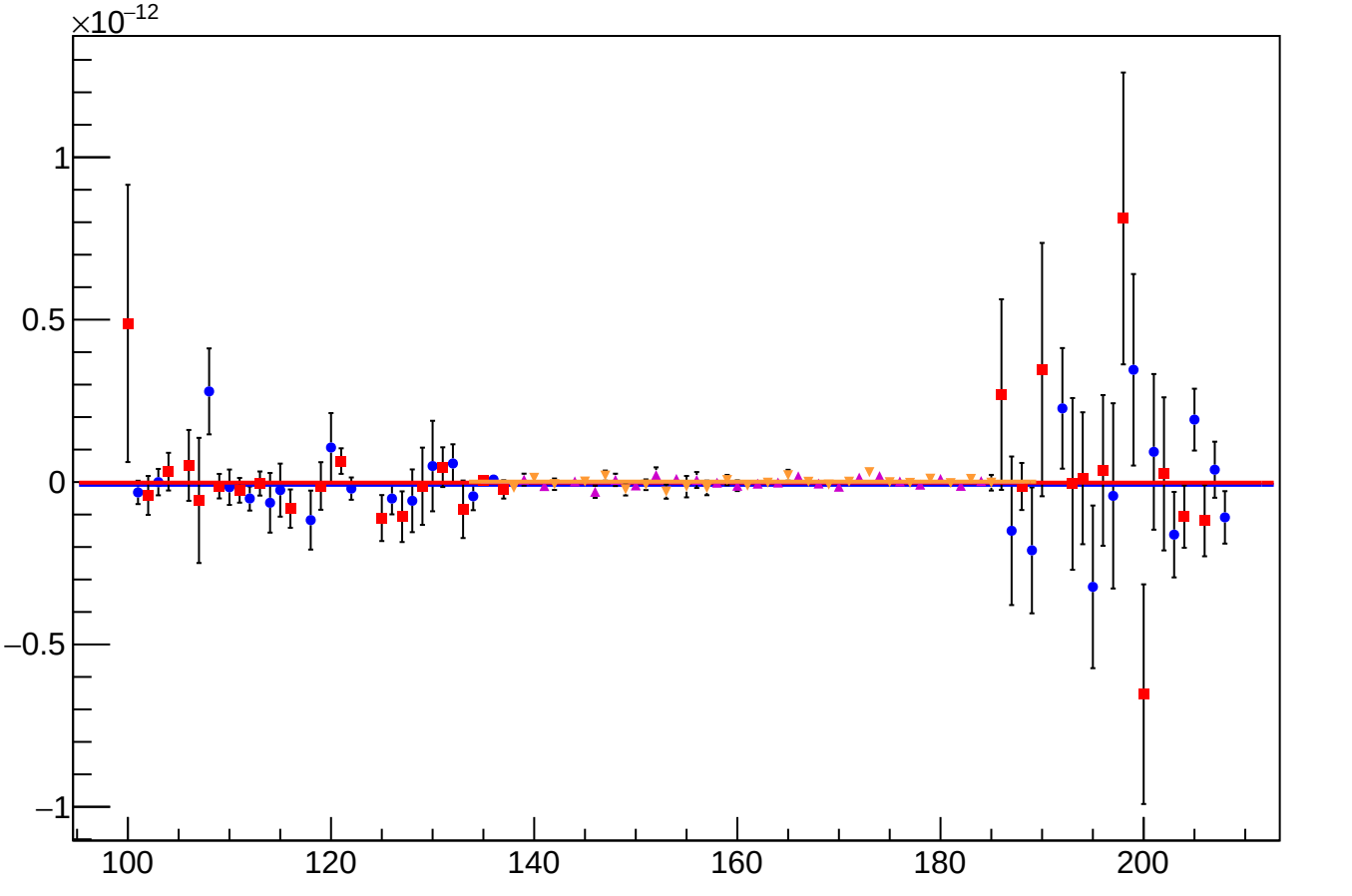
Right Out: 1302.499+/-0.238 χ^2/NDF: 2167962.8/28

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

+ sign 1033.967+/-0.128 χ^2/NDF: 3234425.8/50

All: 1037.313+/-0.091 χ^2/NDF: 7161914.2/10

- sign 1040.738+/-0.129 χ^2/NDF: 3926101.7/51



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/26

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

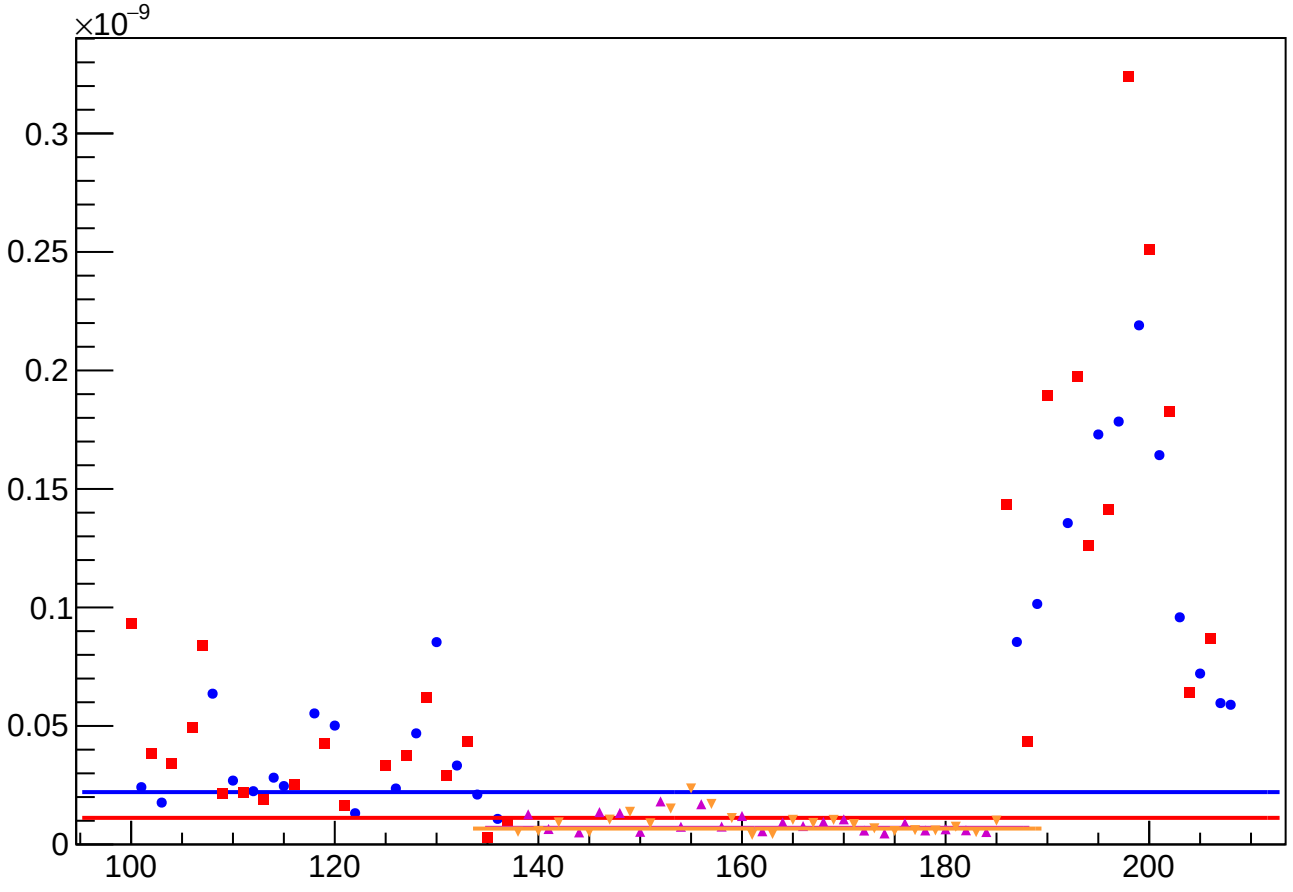
Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/28

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

+ sign 0.000+/-0.000 χ^2/NDF: 54.3/50

All: 0.000+/-0.000 χ^2/NDF: 101.9/102

- sign 0.000+/-0.000 χ^2/NDF: 47.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 8653105.8/26

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

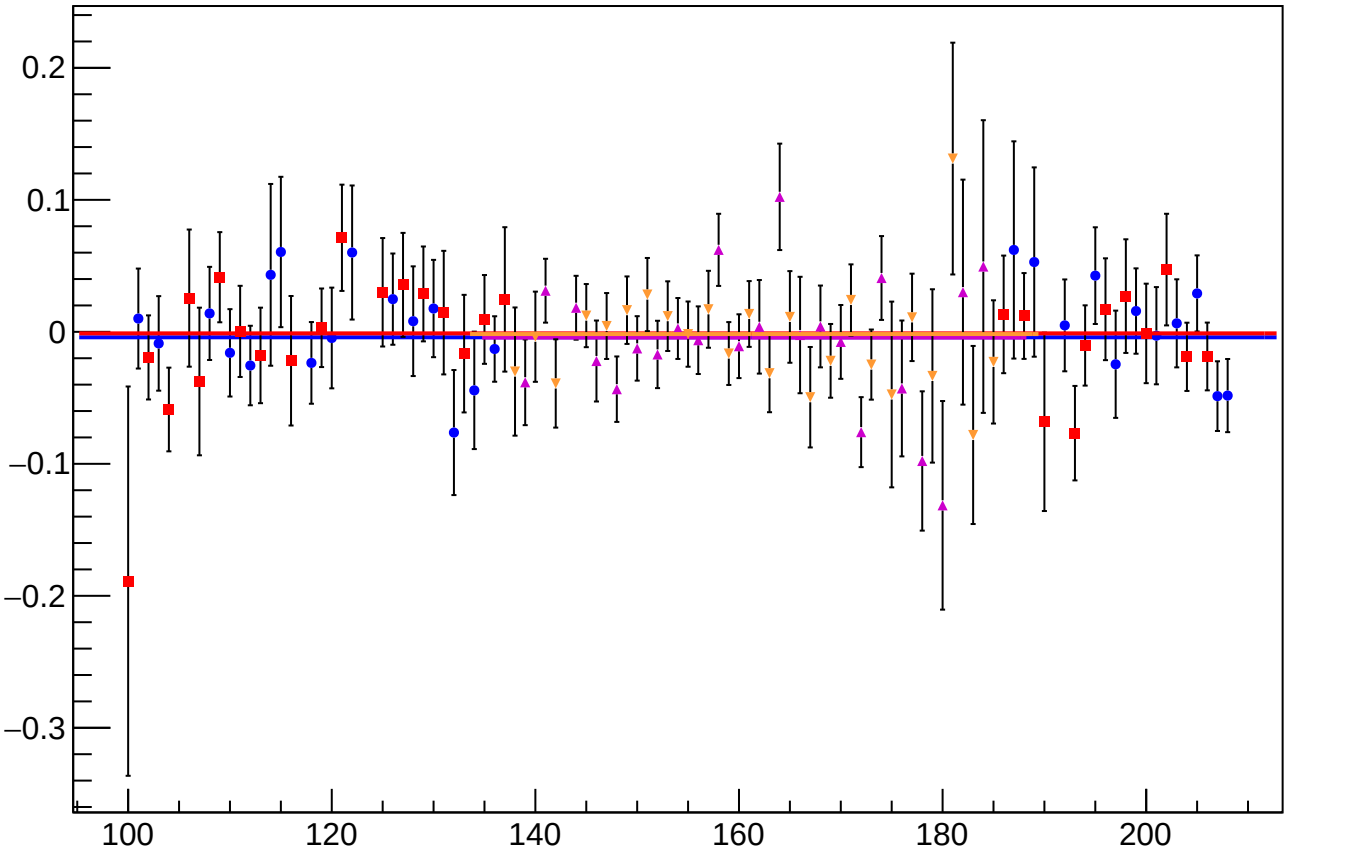
Right Out: 0.000+/-0.000 χ^2/NDF: 13342783.4/28

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

+ sign 0.000+/-0.000 χ^2/NDF: 16138304.1/50

All: 0.000+/-0.000 χ^2/NDF: 32540383.7/102

- sign 0.000+/-0.000 χ^2/NDF: 16401829.5/51



Right In: -0.004+/-0.007 χ^2/NDF: 19.6/26

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

Right Out: -0.001+/-0.007 χ^2/NDF: 22.5/28

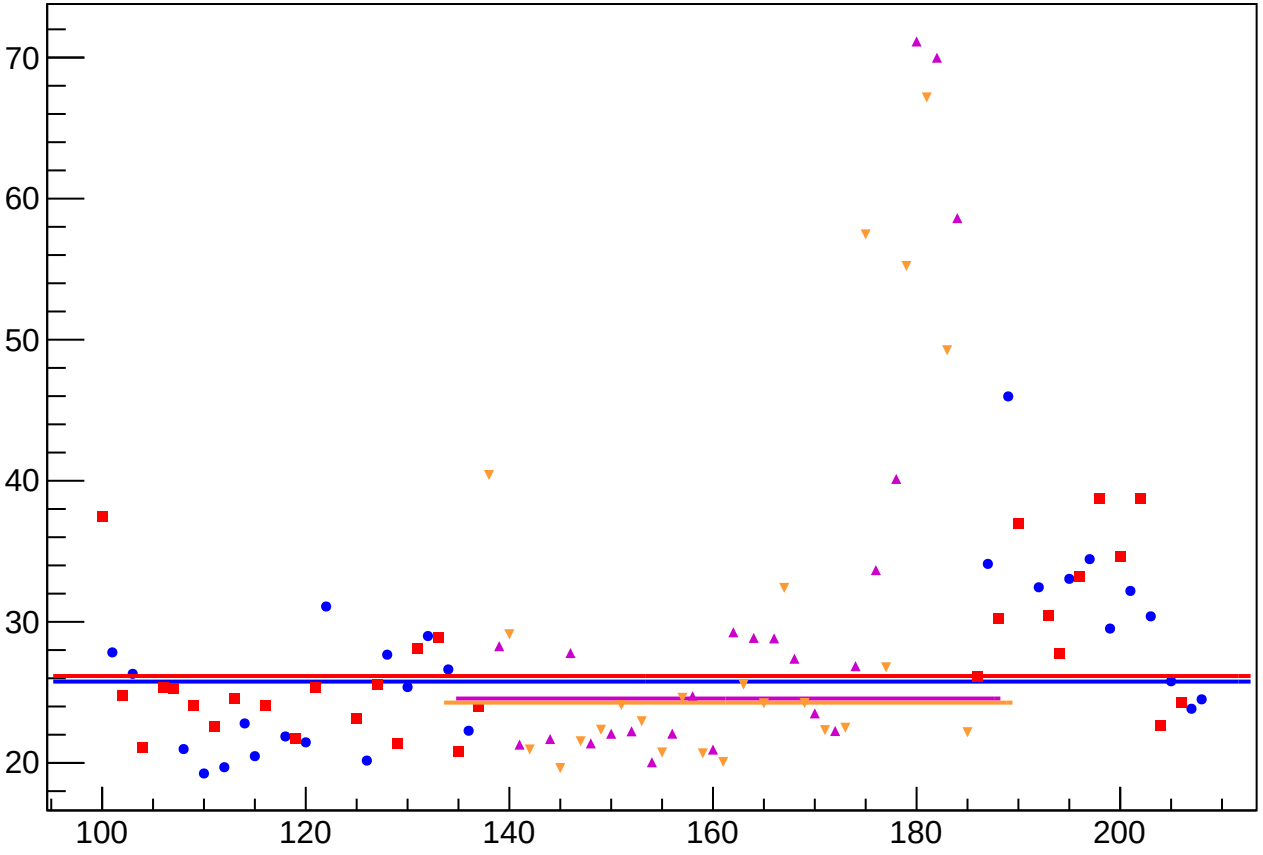
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.003+/-0.005 χ^2/NDF: 34.3/50

All: -0.003+/-0.003 χ^2/NDF: 93.5/102

- sign -0.003+/-0.005 χ^2/NDF: 59.2/51

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.766+/-0.005 χ^2/NDF: 972936.0/26

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

Right Out: 26.160+/-0.005 χ^2/NDF: 941946.3/28

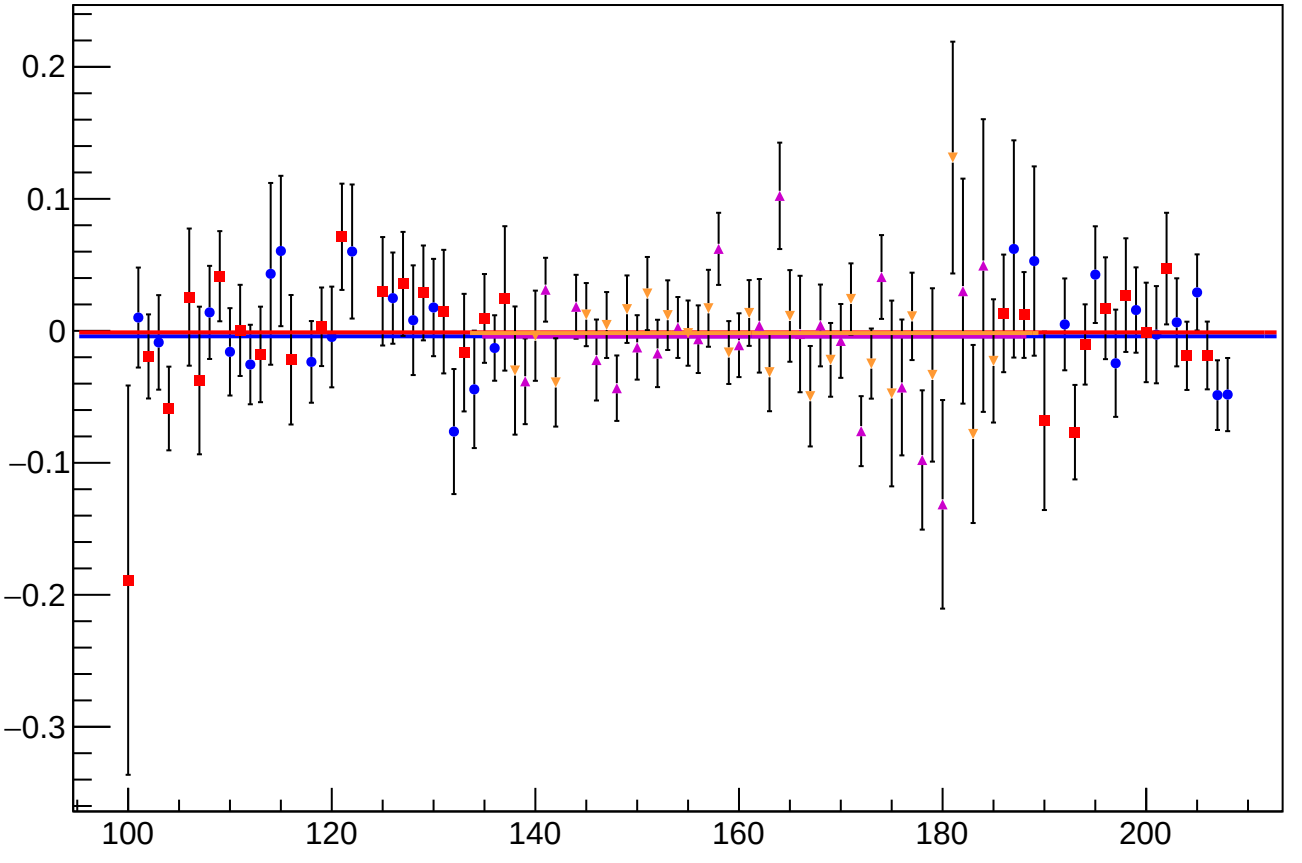
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 24.952+/-0.003 χ^2/NDF: 3333881.1/50

All: 25.121+/-0.002 χ^2/NDF: 6470853.9/102

- sign 25.292+/-0.003 χ^2/NDF: 3131727.8/51

asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.007 χ^2/NDF: 19.6/26

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

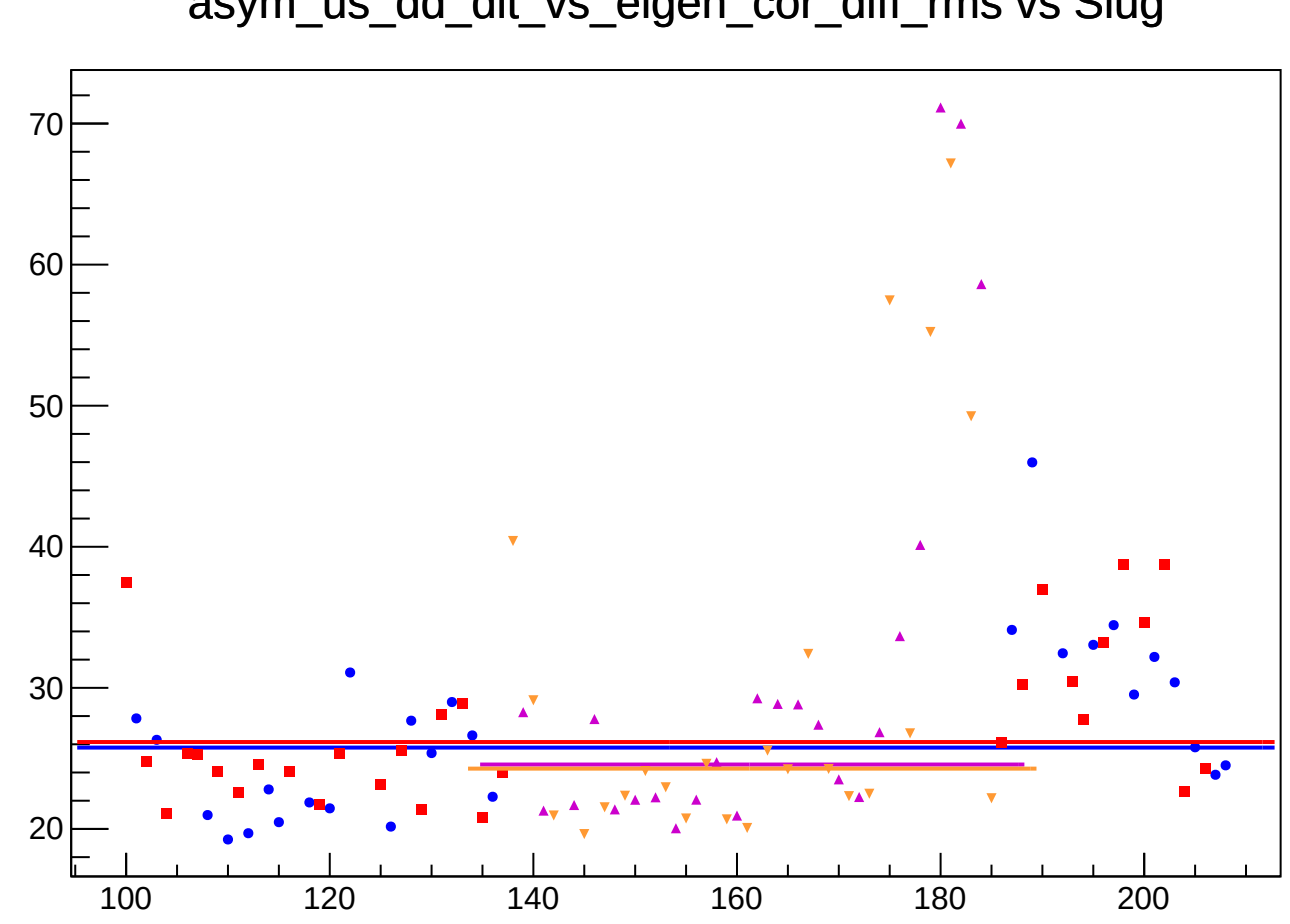
Right Out: -0.001+/-0.007 χ^2/NDF: 22.5/28

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

+ sign -0.003+/-0.005 χ^2/NDF: 34.3/50

All: -0.003+/-0.003 χ^2/NDF: 93.5/102

- sign -0.003+/-0.005 χ^2/NDF: 59.2/51



Right In: 25.766+/-0.005 χ^2/NDF: 972936.0/26

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

Right Out: 26.160+/-0.005 χ^2/NDF: 941946.3/28

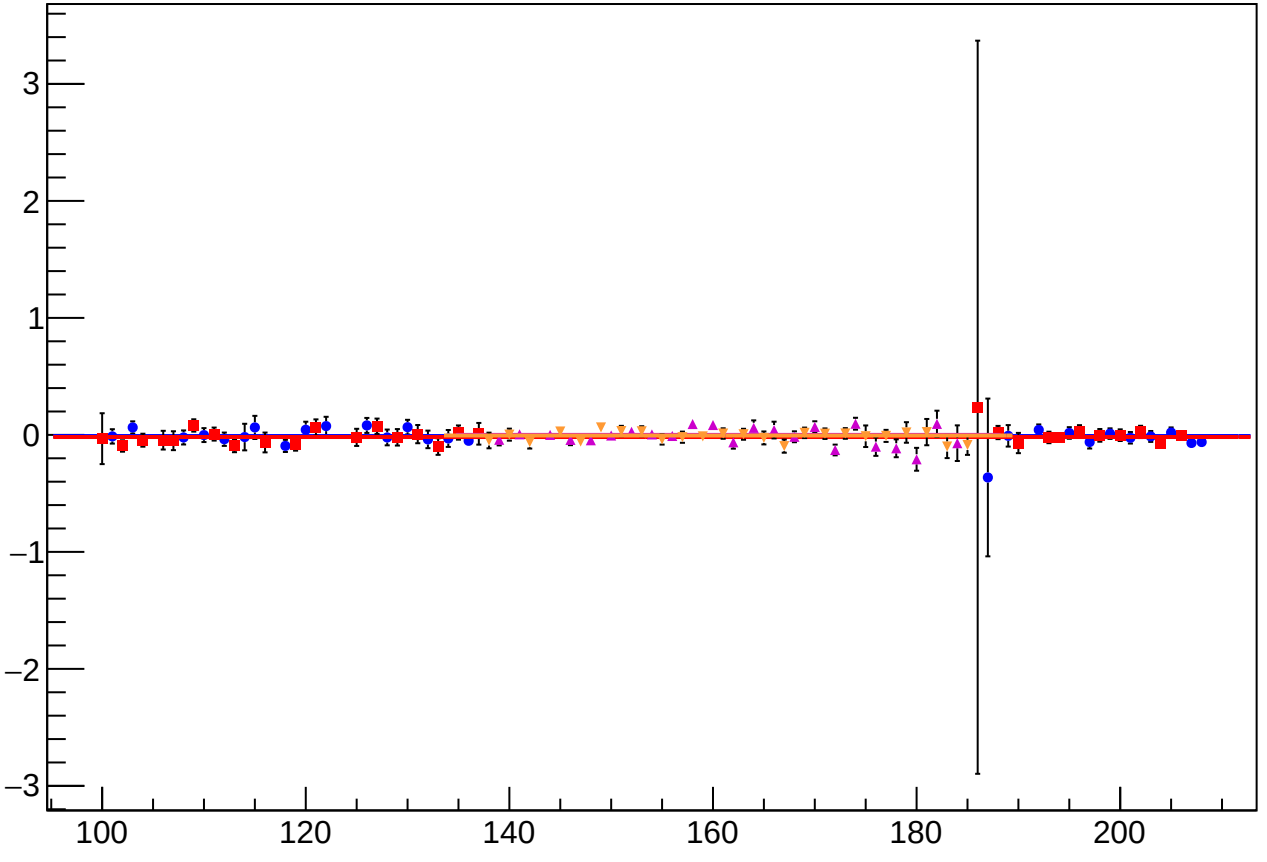
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 24.952+/-0.003 χ^2/NDF: 3333881.1/50

All: 25.121+/-0.002 χ^2/NDF: 6470853.9/102

- sign 25.292+/-0.003 χ^2/NDF: 3131727.8/51

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.010+/-0.011 χ^2/NDF: 18.7/26

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

Right Out: -0.018+/-0.011 χ^2/NDF: 20.1/28

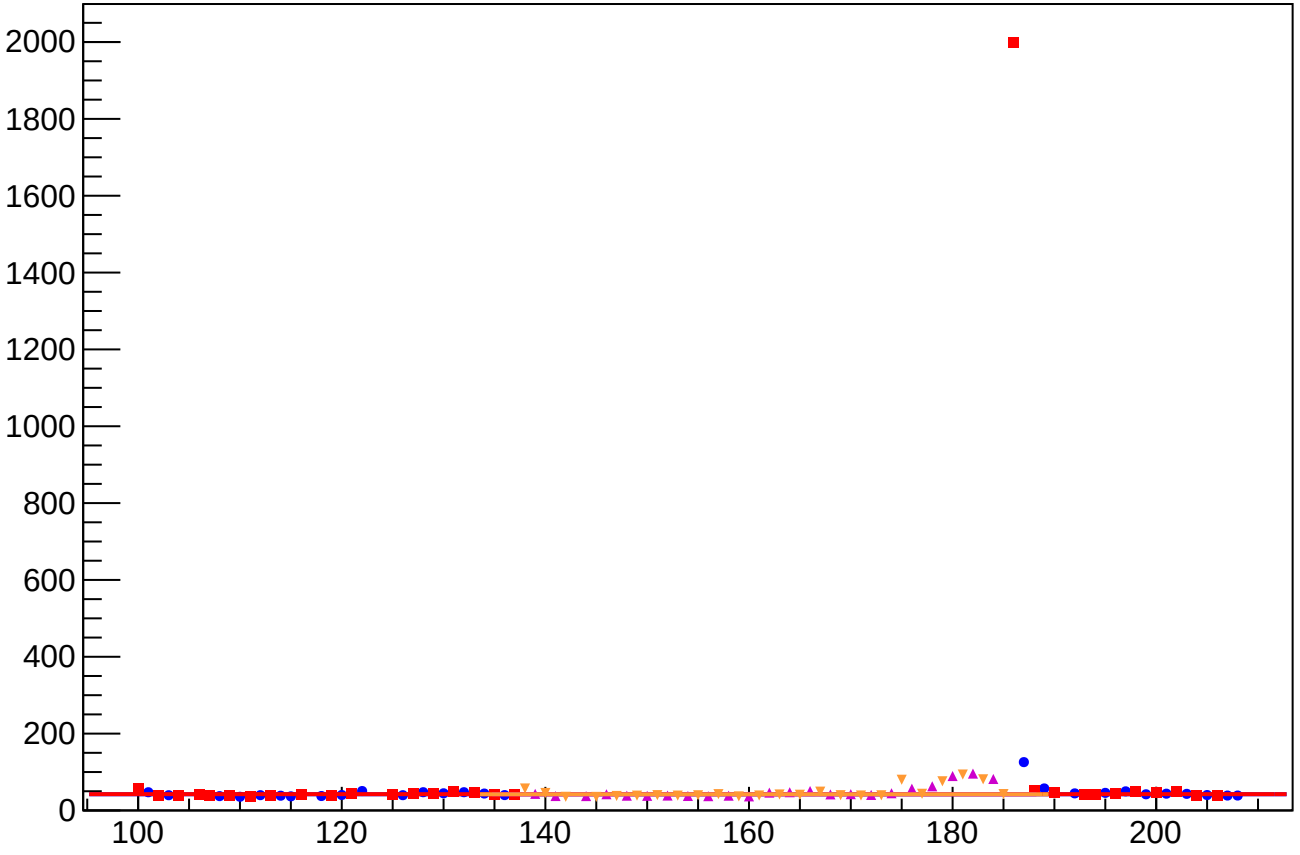
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.007+/-0.008 χ^2/NDF: 32.6/50

All: -0.008+/-0.005 χ^2/NDF: 92.1/102

- sign -0.009+/-0.008 χ^2/NDF: 59.4/51

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.105+/-0.008 χ^2/NDF: 311895.2/26

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

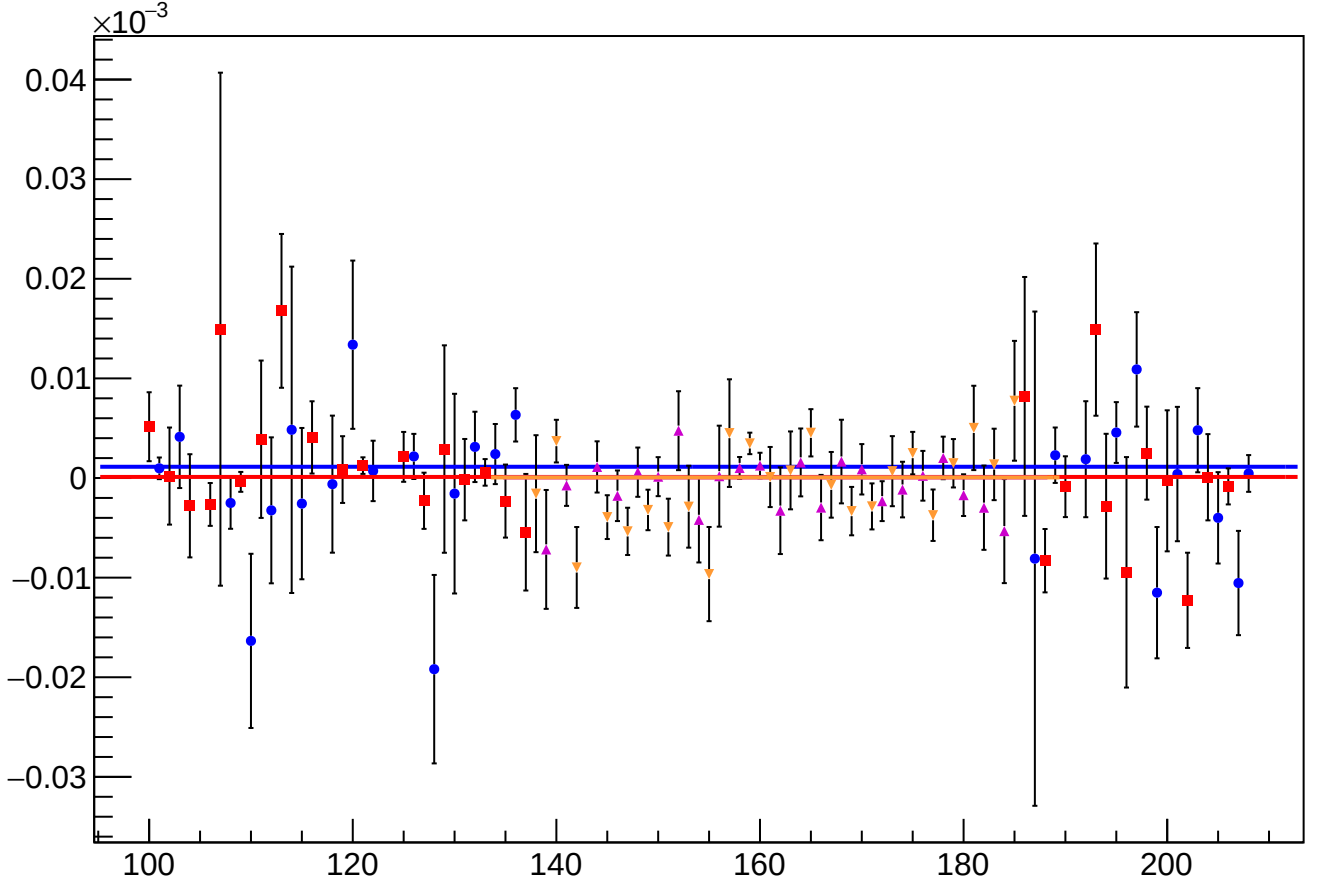
Right Out: 42.435+/-0.008 χ^2/NDF: 1059292.5/28

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

+ sign 42.096+/-0.005 χ^2/NDF: 2027944.7/50

All: 42.171+/-0.004 χ^2/NDF: 4632247.6/102

- sign 42.246+/-0.005 χ^2/NDF: 2603909.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 33.6/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/28

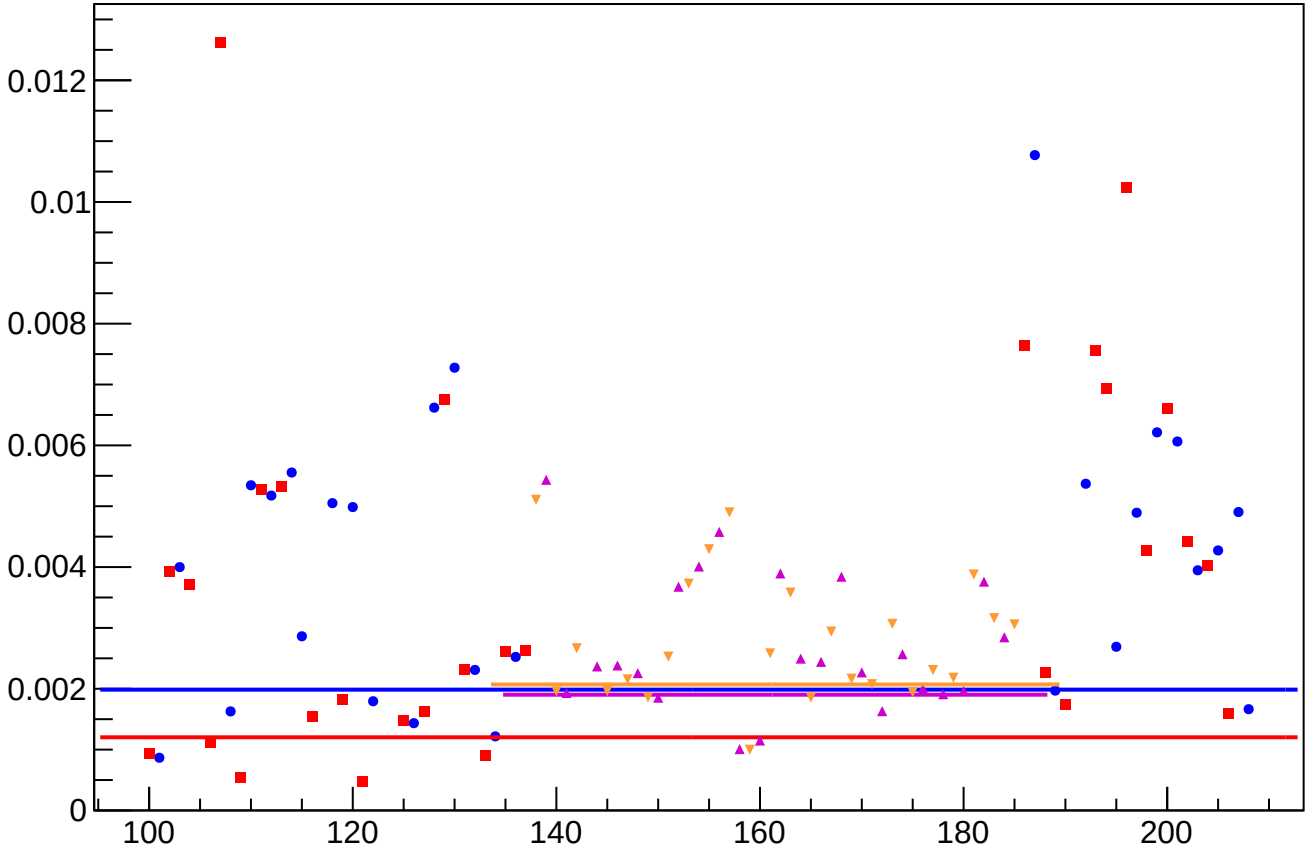
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.0/50

All: 0.000+/-0.000 χ^2/NDF: 134.8/102

- sign 0.000+/-0.000 χ^2/NDF: 47.1/51

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 10015703.6/26

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

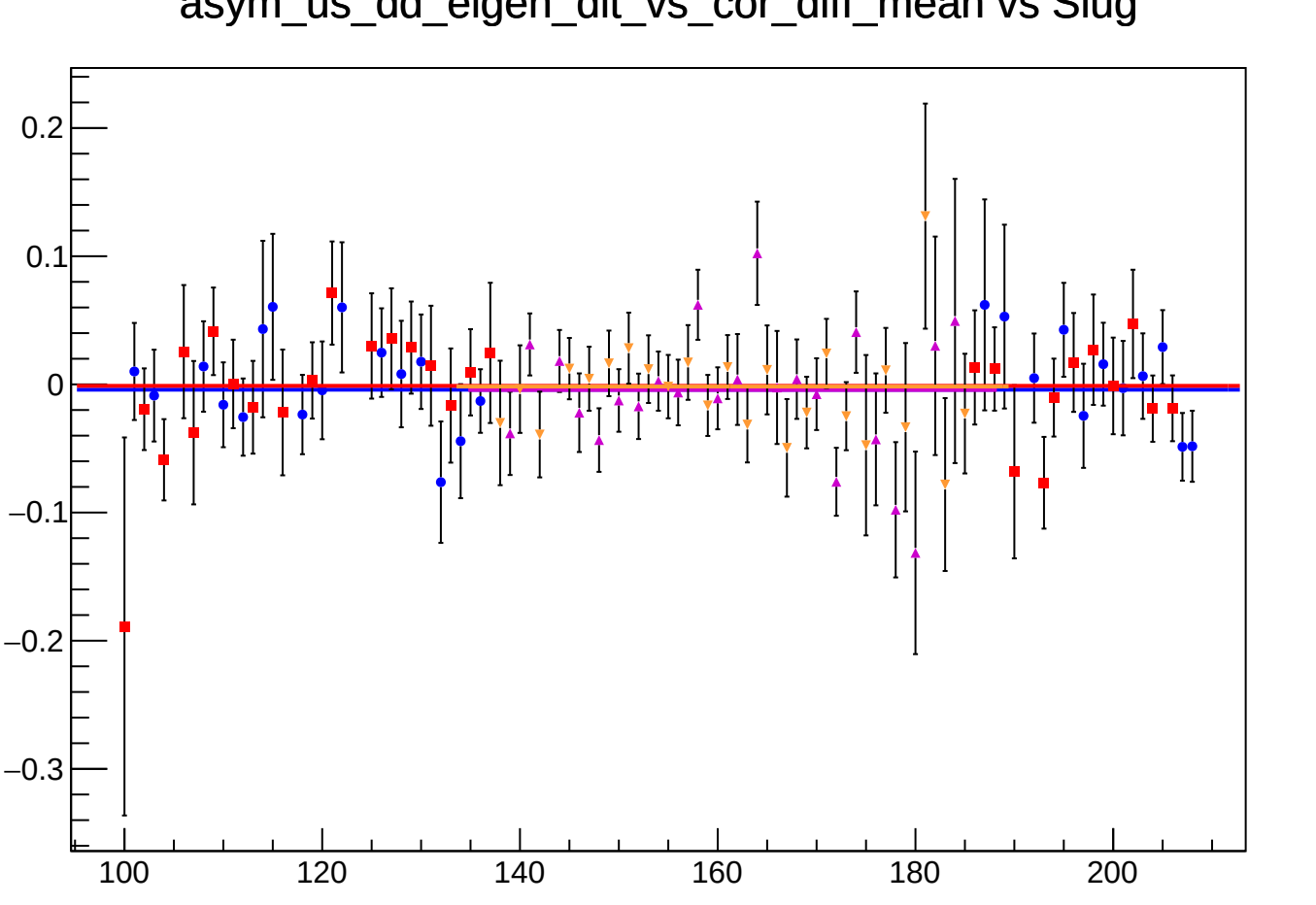
Right Out: 0.001+/-0.000 χ^2/NDF: 14700381.7/28

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

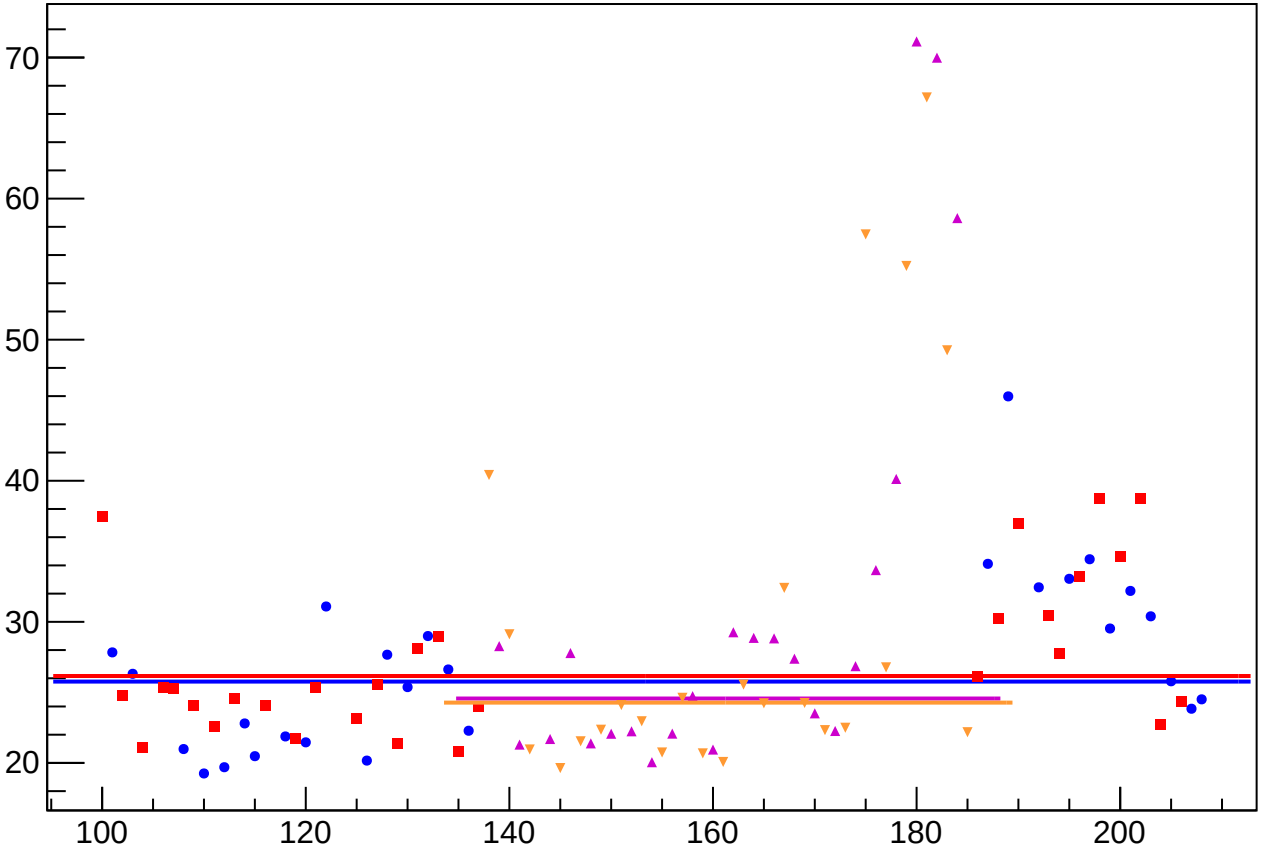
+ sign 0.002+/-0.000 χ^2/NDF: 15300665.4/50

All: 0.002+/-0.000 χ^2/NDF: 39992856.9/102

- sign 0.002+/-0.000 χ^2/NDF: 22798490.0/51


asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
200
Right In: -0.004+/-0.007 χ²/NDF: 19.6/26
Left Out: -0.002+/-0.006 χ²/NDF:14.6/23
Right Out: -0.001+/-0.007 χ²/NDF: 22.5/28
Left In: -0.004+/-0.006 χ²/NDF:36.5/22
+ sign -0.003+/-0.005 χ²/NDF: 34.3/50
All: -0.003+/-0.003 χ²/NDF: 93.5/102
- sign -0.003+/-0.005 χ²/NDF: 59.2/51

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.766+/-0.005 χ^2/NDF: 972910.6/26

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

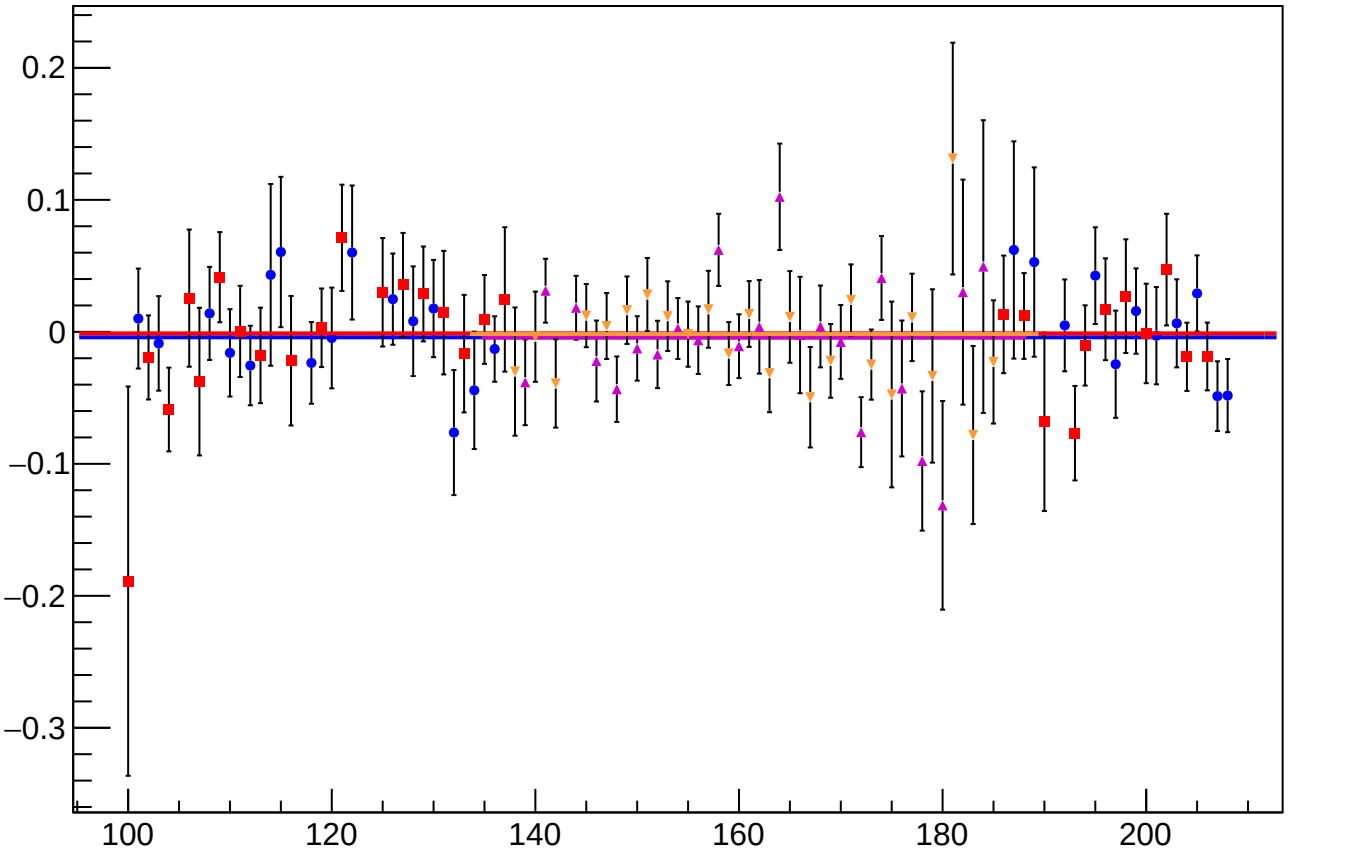
Right Out: 26.160+/-0.005 χ^2/NDF: 941849.5/28

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

+ sign 24.952+/-0.003 χ^2/NDF: 3333834.8/50

All: 25.121+/-0.002 χ^2/NDF: 6470591.1/102

- sign 25.293+/-0.003 χ^2/NDF: 3131497.9/51



Right In: -0.004+/-0.007 χ^2/NDF: 19.6/26

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

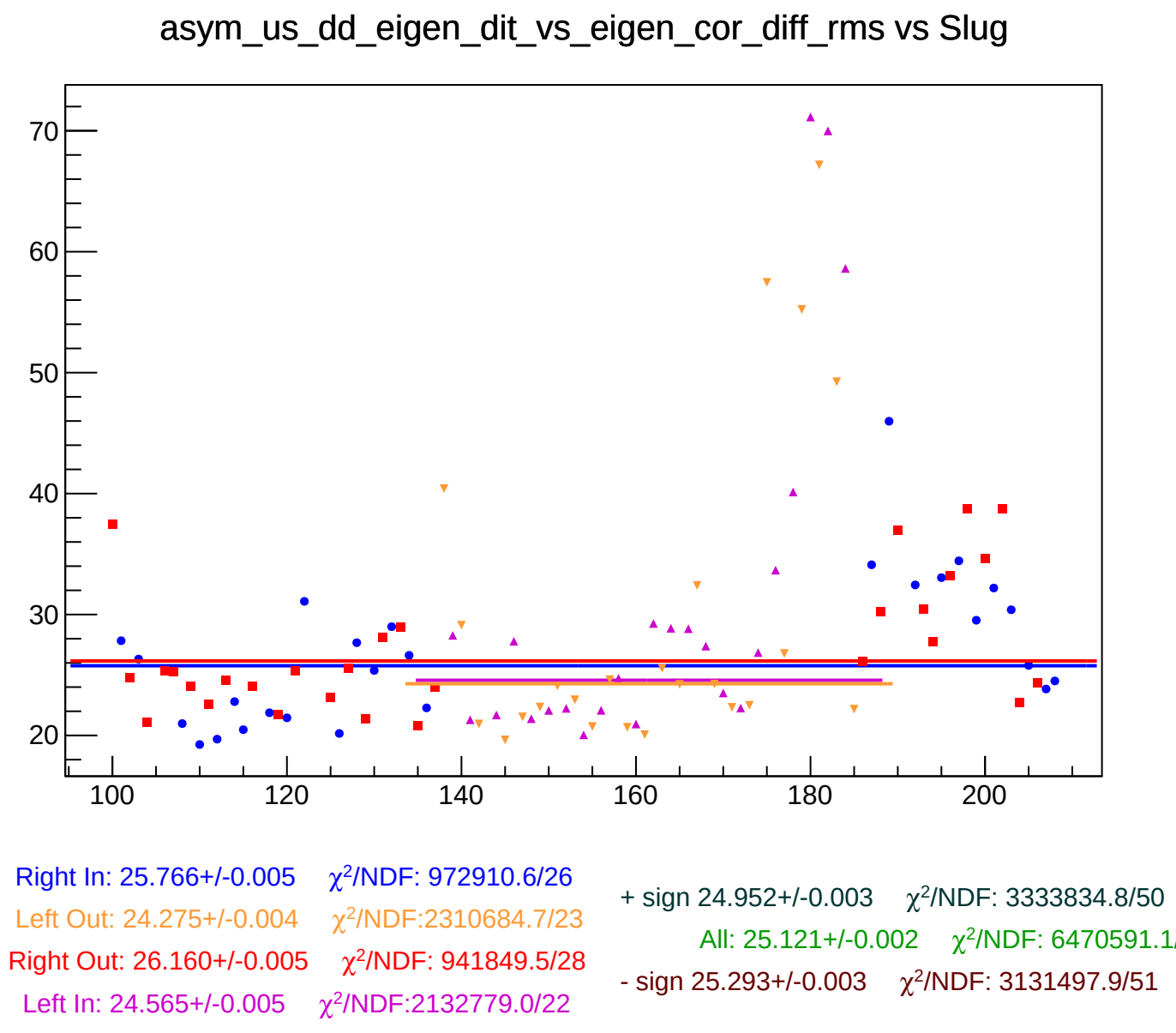
Right Out: -0.001+/-0.007 χ^2/NDF: 22.5/28

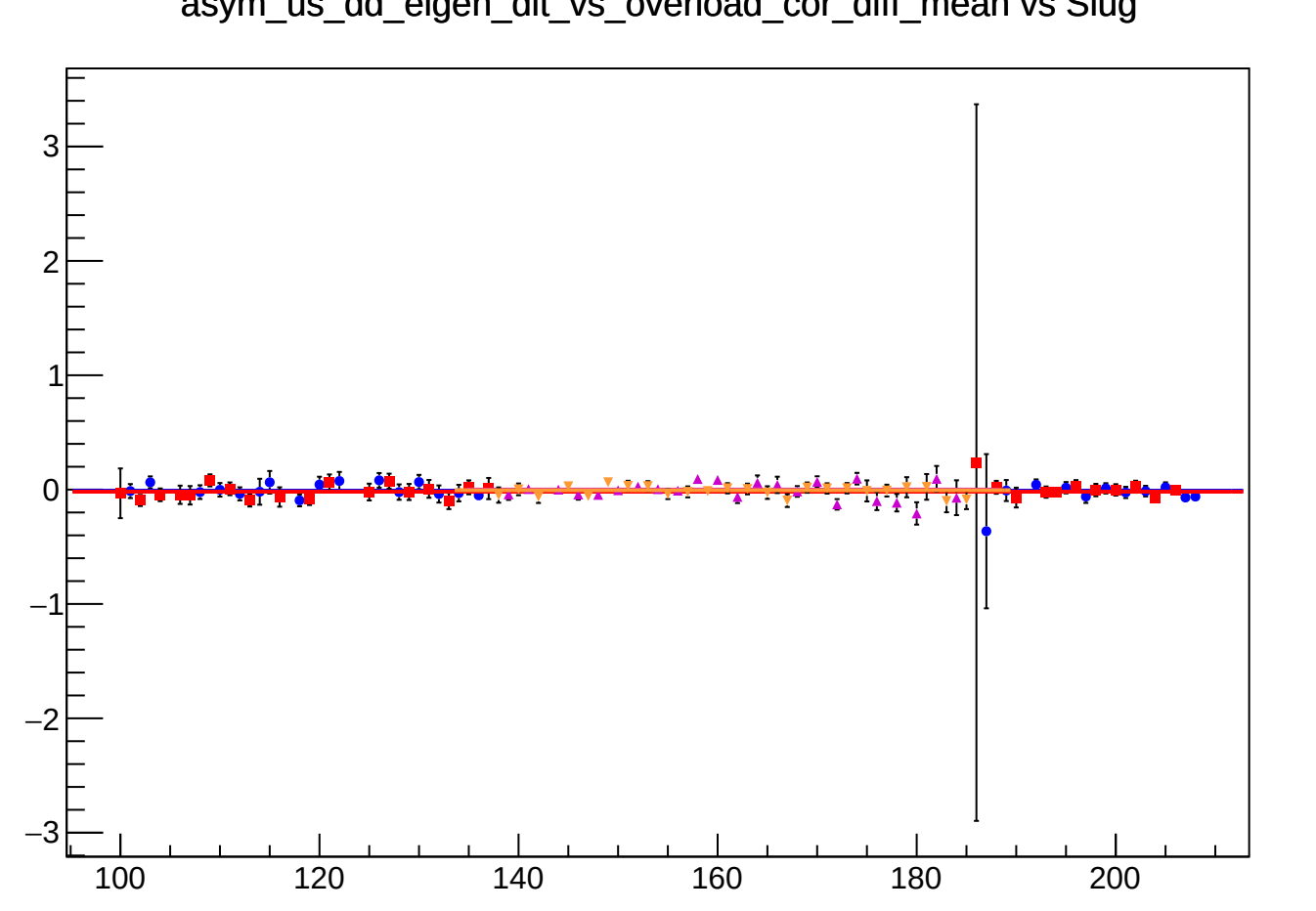
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.003+/-0.005 χ^2/NDF: 34.3/50

All: -0.003+/-0.003 χ^2/NDF: 93.5/102

- sign -0.003+/-0.005 χ^2/NDF: 59.2/51


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
100
120
140
160
180
200
Right In: 25.766+/-0.005 χ²/NDF: 972910.6/26
Left Out: 24.275+/-0.004 χ²/NDF:2310684.7/23
Right Out: 26.160+/-0.005 χ²/NDF: 941849.5/28
Left In: 24.565+/-0.005 χ²/NDF:2132779.0/22
+ sign 24.952+/-0.003 χ²/NDF: 3333834.8/50
All: 25.121+/-0.002 χ²/NDF: 6470591.1/102
- sign 25.293+/-0.003 χ²/NDF: 3131497.9/51



Right In: -0.010+/-0.011 χ^2/NDF: 18.7/26

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

Right Out: -0.018+/-0.011 χ^2/NDF: 20.1/28

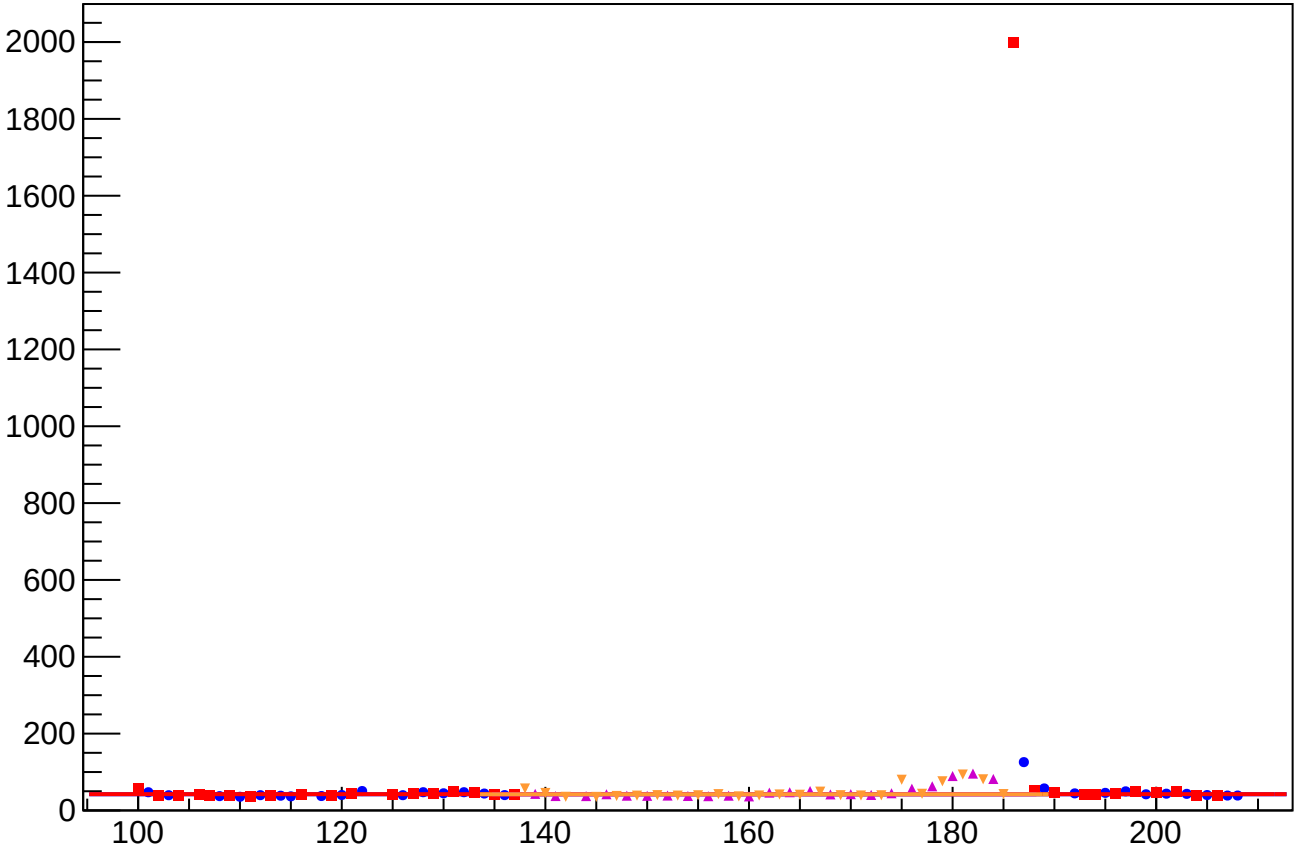
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.007+/-0.008 χ^2/NDF: 32.6/50

All: -0.008+/-0.005 χ^2/NDF: 92.1/102

- sign -0.009+/-0.008 χ^2/NDF: 59.4/51

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.105+/-0.008 χ^2/NDF: 311849.2/26

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

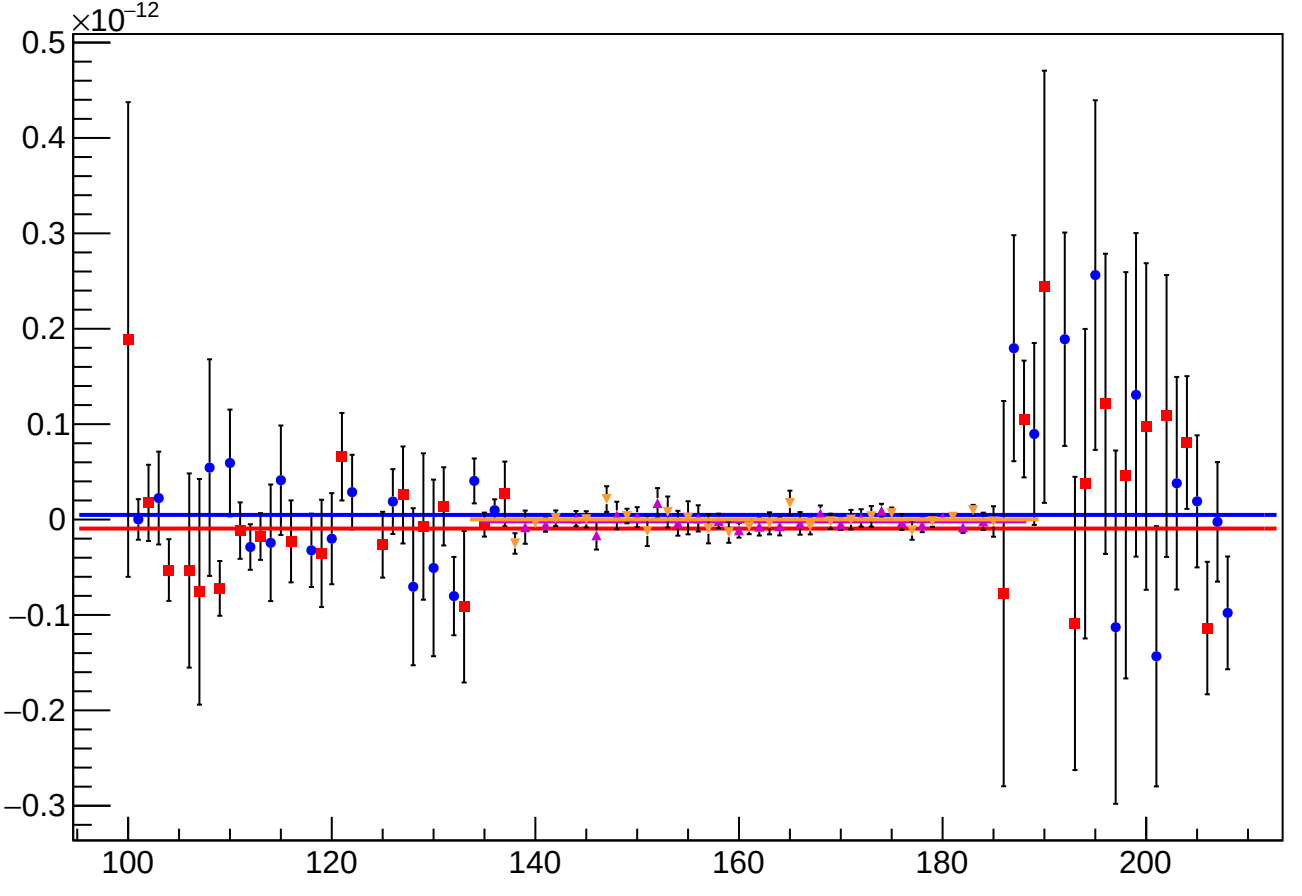
Right Out: 42.435+/-0.008 χ^2/NDF: 1059279.5/28

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

+ sign 42.096+/-0.005 χ^2/NDF: 2027889.2/50

All: 42.171+/-0.004 χ^2/NDF: 4632154.8/102

- sign 42.246+/-0.005 χ^2/NDF: 2603871.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/26

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

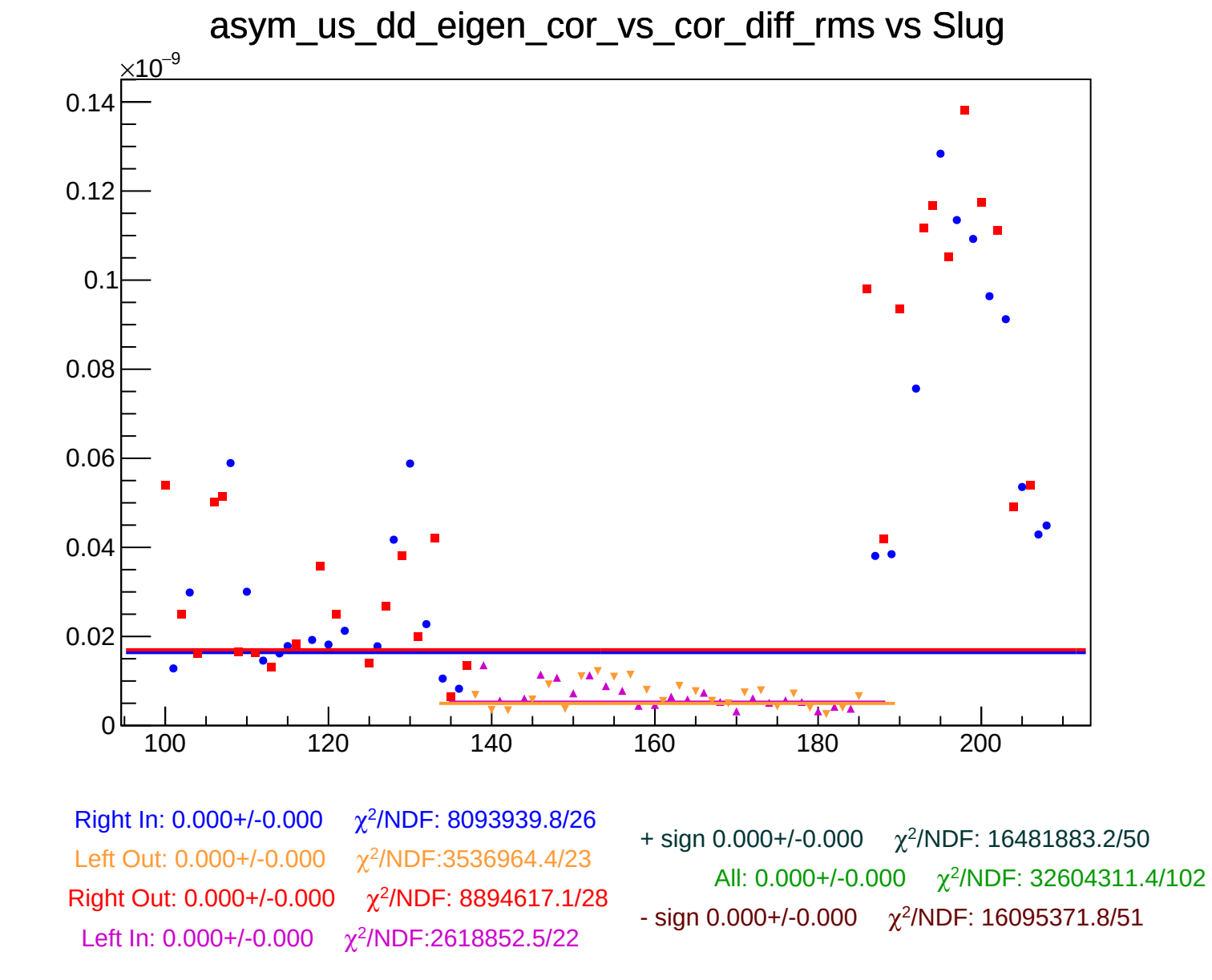
Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/28

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

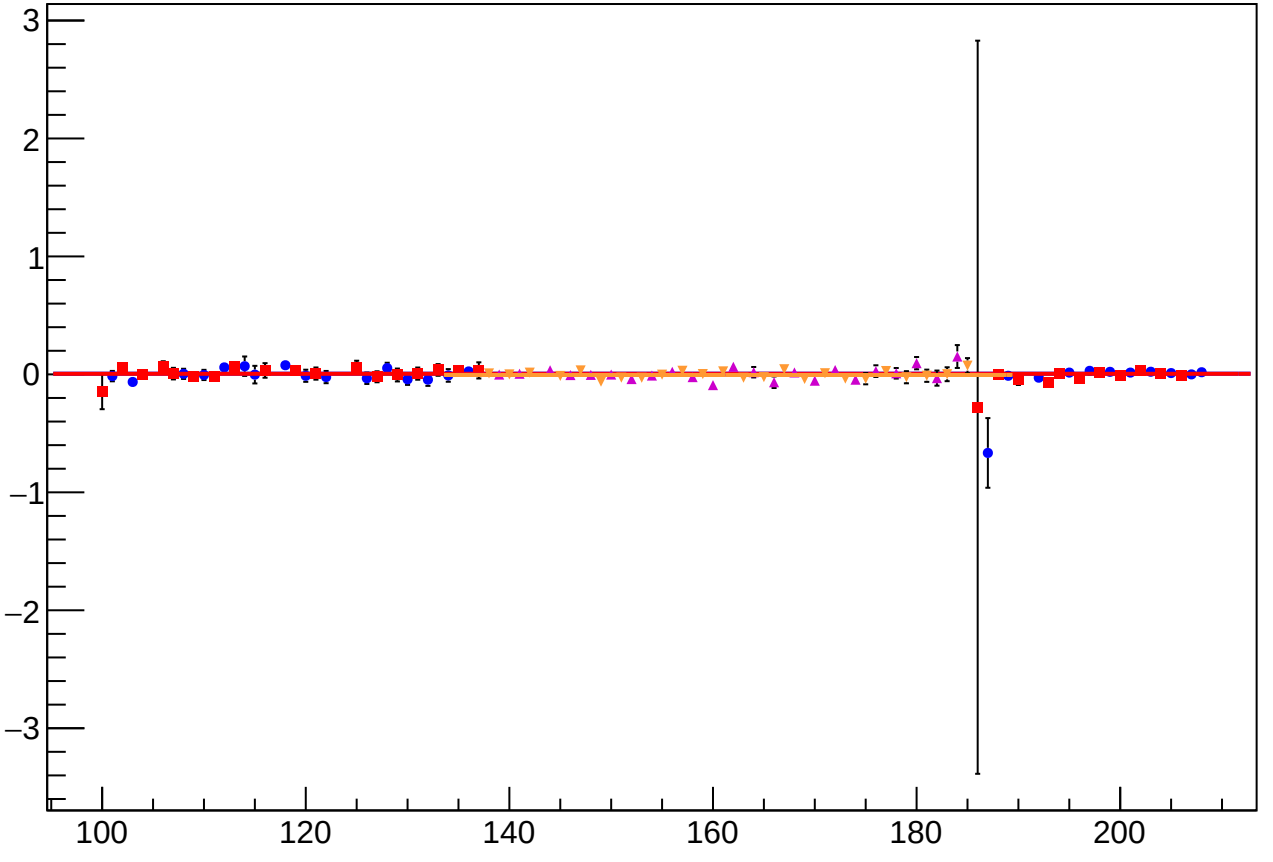
+ sign 0.000+/-0.000 χ^2/NDF: 48.1/50

All: -0.000+/-0.000 χ^2/NDF: 87.9/102

- sign -0.000+/-0.000 χ^2/NDF: 38.5/51


asym_us_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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 8093939.8/26
Left Out: 0.000+/-0.000 χ²/NDF:3536964.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 8894617.1/28
Left In: 0.000+/-0.000 χ²/NDF:2618852.5/22
+ sign 0.000+/-0.000 χ²/NDF: 16481883.2/50
All: 0.000+/-0.000 χ²/NDF: 32604311.4/102
- sign 0.000+/-0.000 χ²/NDF: 16095371.8/51

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 24.3/26

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

Right Out: 0.005+/-0.007 χ^2/NDF: 22.7/28

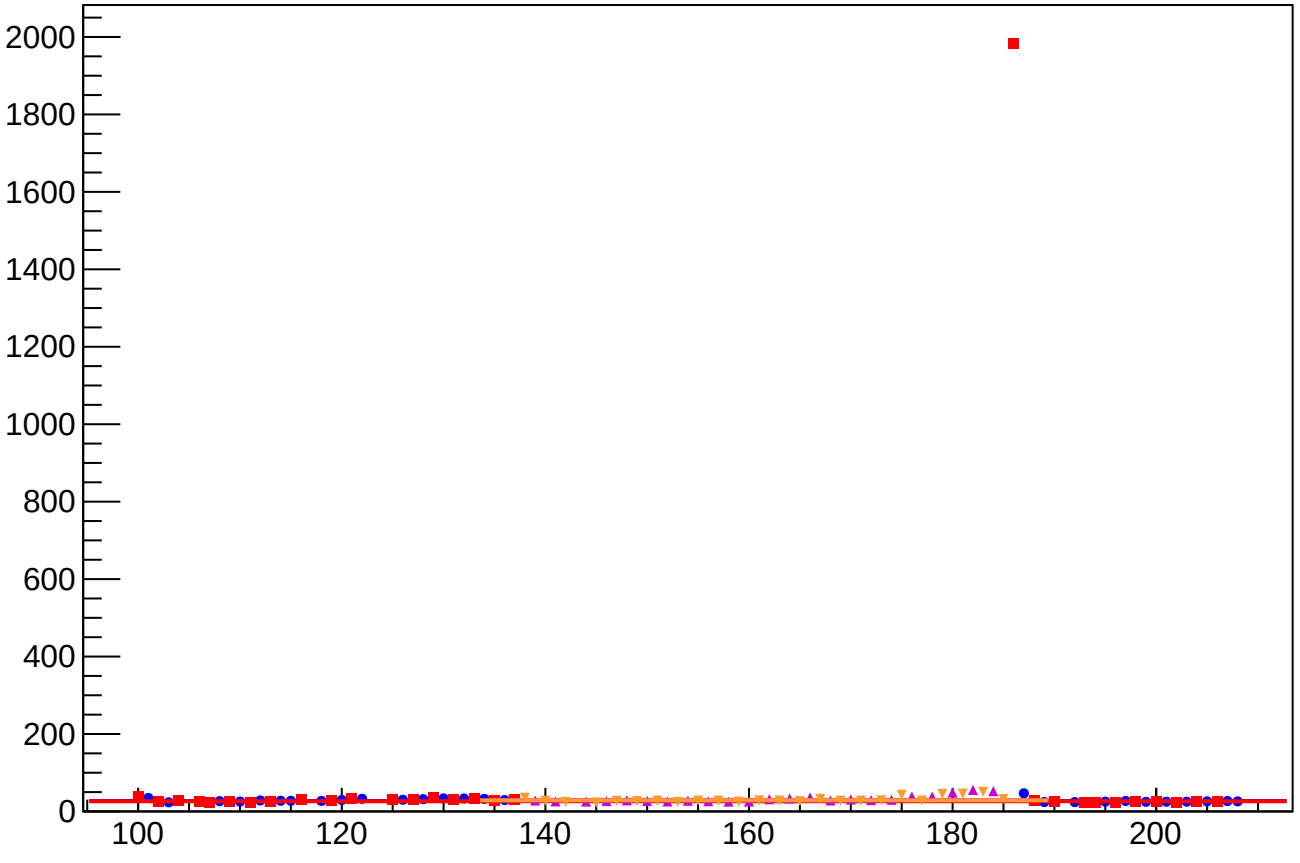
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign 0.000+/-0.005 χ^2/NDF: 42.3/50

All: 0.000+/-0.004 χ^2/NDF: 97.1/102

- sign 0.001+/-0.005 χ^2/NDF: 54.8/51

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 26.983+/-0.005 χ^2/NDF: 331738.4/26

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

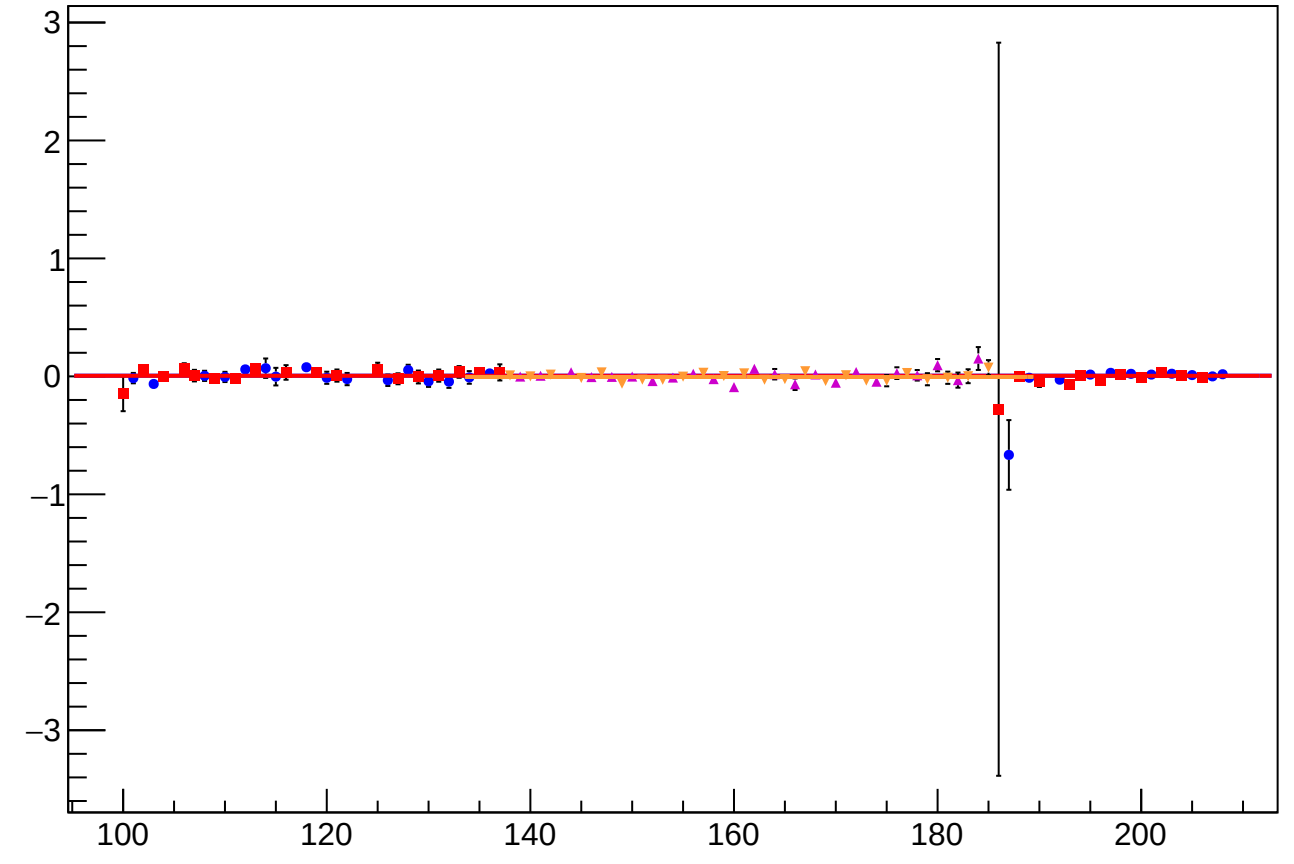
Right Out: 26.374+/-0.005 χ^2/NDF: 1105968.1/28

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

+ sign 27.887+/-0.004 χ^2/NDF: 1566854.0/50

All: 27.831+/-0.003 χ^2/NDF: 3979136.3/102

- sign 27.775+/-0.004 χ^2/NDF: 2411778.1/51



Right In: 0.006+/-0.007 χ^2/NDF: 24.3/26

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

Right Out: 0.005+/-0.007 χ^2/NDF: 22.7/28

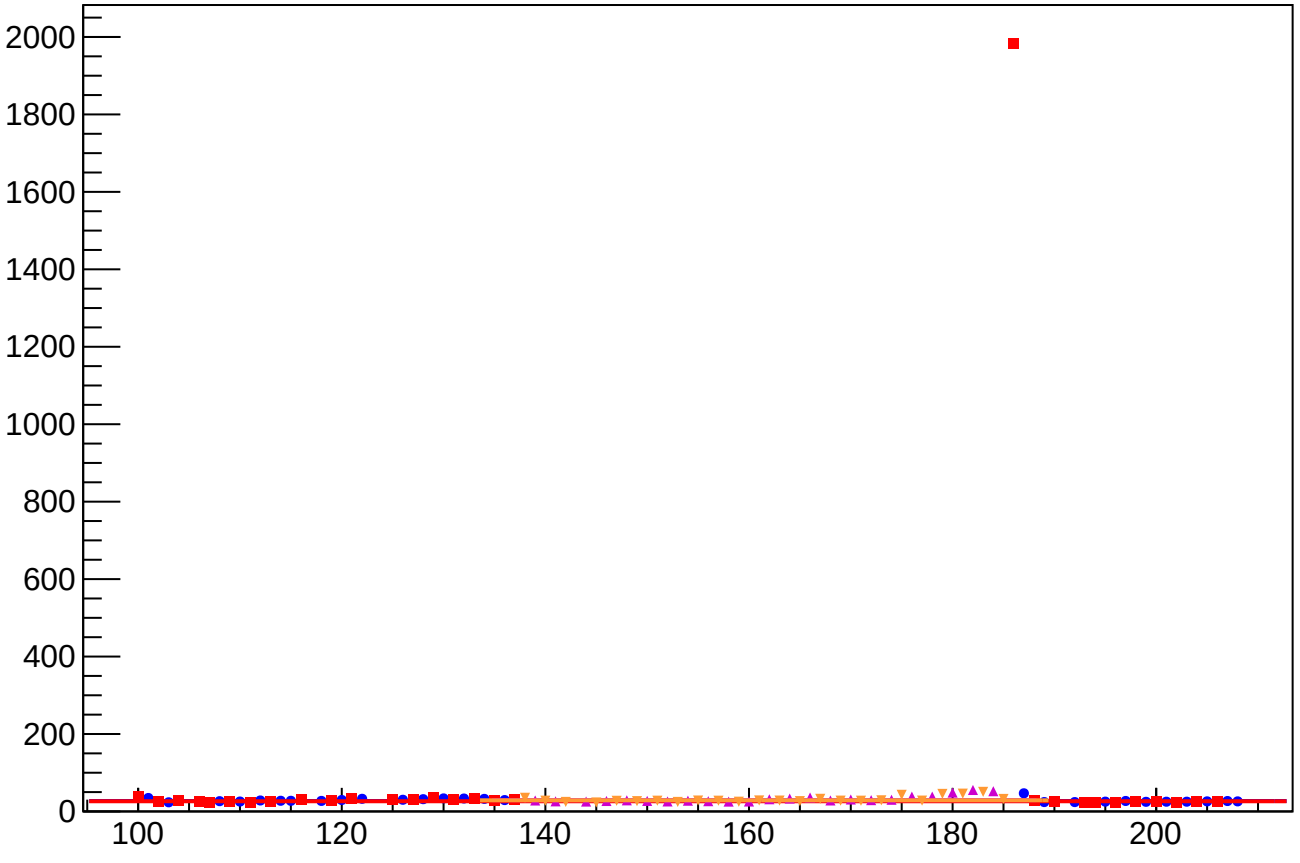
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign 0.000+/-0.005 χ^2/NDF: 42.3/50

All: 0.000+/-0.004 χ^2/NDF: 97.1/102

- sign 0.001+/-0.005 χ^2/NDF: 54.8/51

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 26.983+/-0.005 χ^2/NDF: 331738.4/26

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

Right Out: 26.374+/-0.005 χ^2/NDF: 1105968.1/28

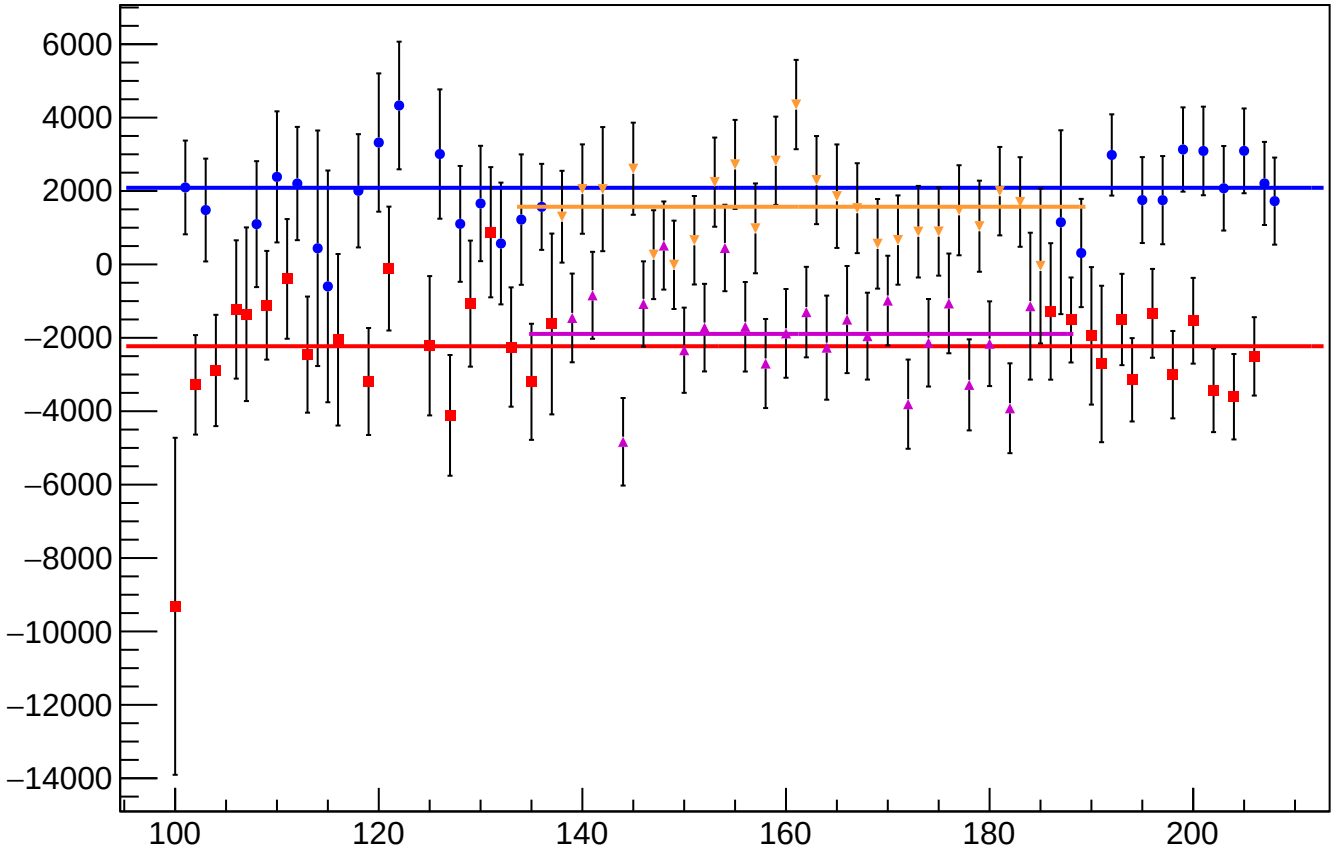
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 27.887+/-0.004 χ^2/NDF: 1566854.0/50

All: 27.831+/-0.003 χ^2/NDF: 3979136.3/102

- sign 27.775+/-0.004 χ^2/NDF: 2411778.1/51

reg_asym_usl_mean vs Slug



Right In: 2087.447+/-274.626 χ^2/NDF: 10.4/26

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

Right Out: -2229.210+/-272.803 χ^2/NDF: 18.3/29

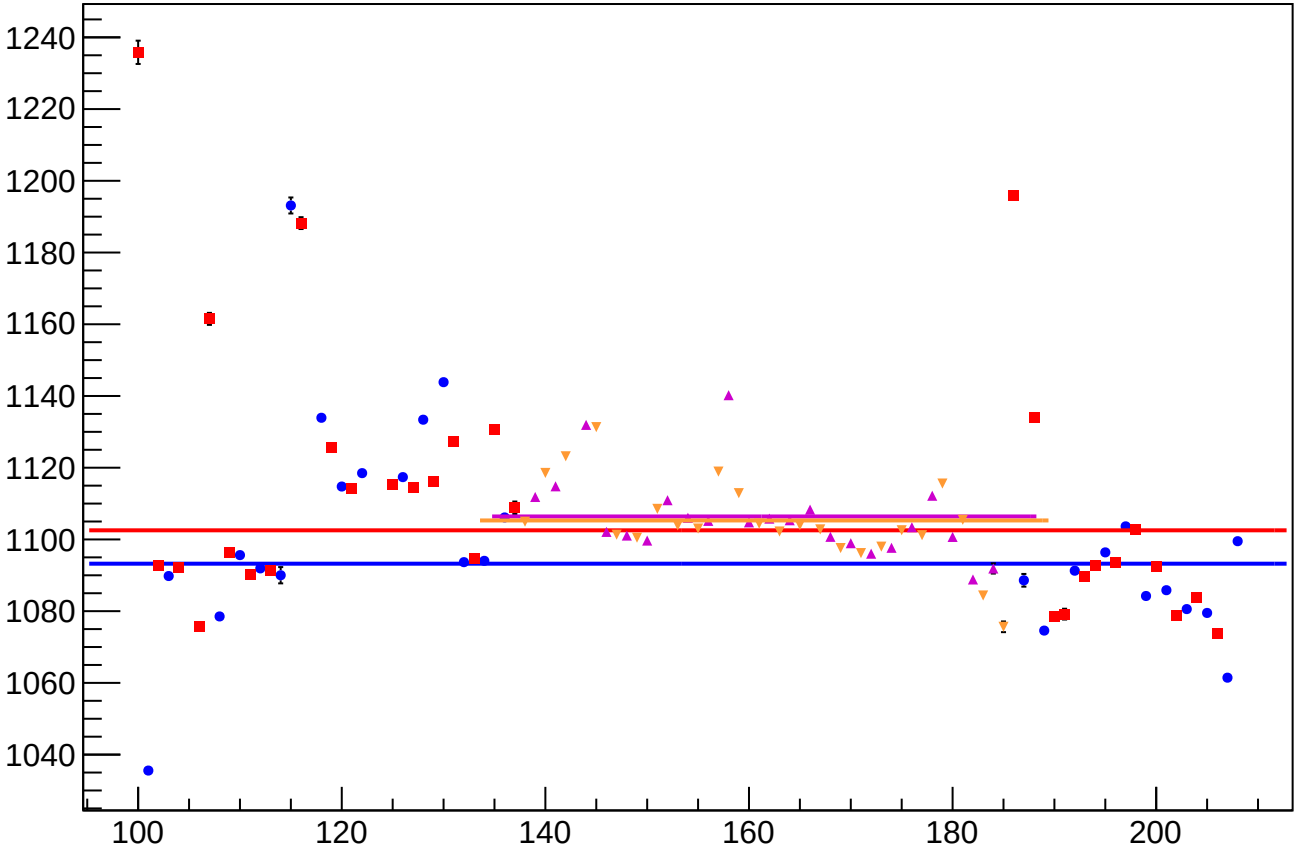
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1811.685+/-187.467 χ^2/NDF: 27.7/50

All: -119.085+/-132.599 χ^2/NDF: 283.2/103

- sign -2052.139+/-187.578 χ^2/NDF: 43.2/52

reg_asym_usl_rms vs Slug



Right In: 1093.237+/-0.194 χ^2/NDF: 15160.5/26

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

Right Out: 1102.541+/-0.193 χ^2/NDF: 19031.8/29

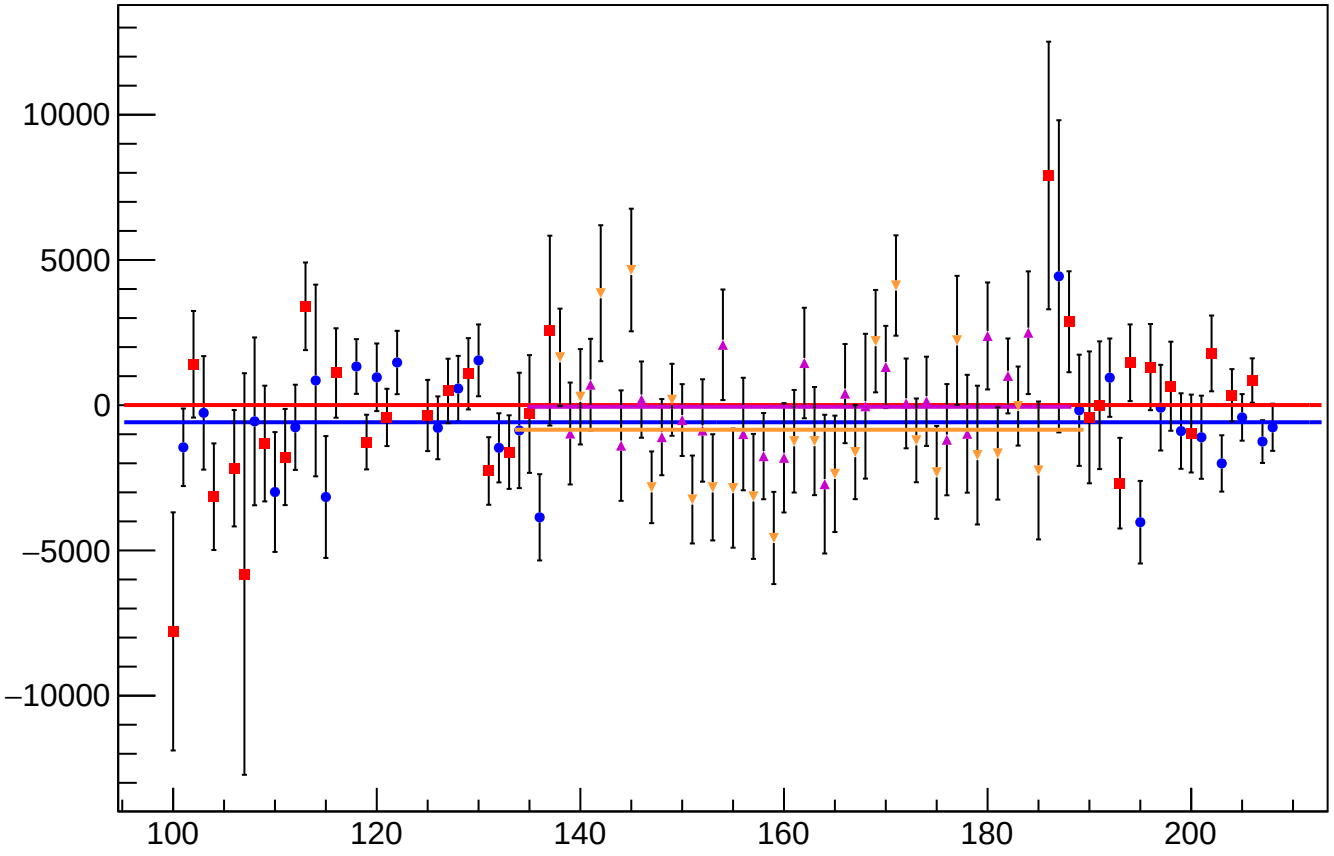
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1099.676+/-0.133 χ^2/NDF: 20381.2/50

All: 1102.126+/-0.094 χ^2/NDF: 44084.4/103

- sign 1104.578+/-0.133 χ^2/NDF: 23019.7/52

asym_usl_reg_correction_mean vs Slug



Right In: -586.735+/-240.732 χ^2/NDF: 33.9/26

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

Right Out: 5.118+/-257.051 χ^2/NDF: 40.0/29

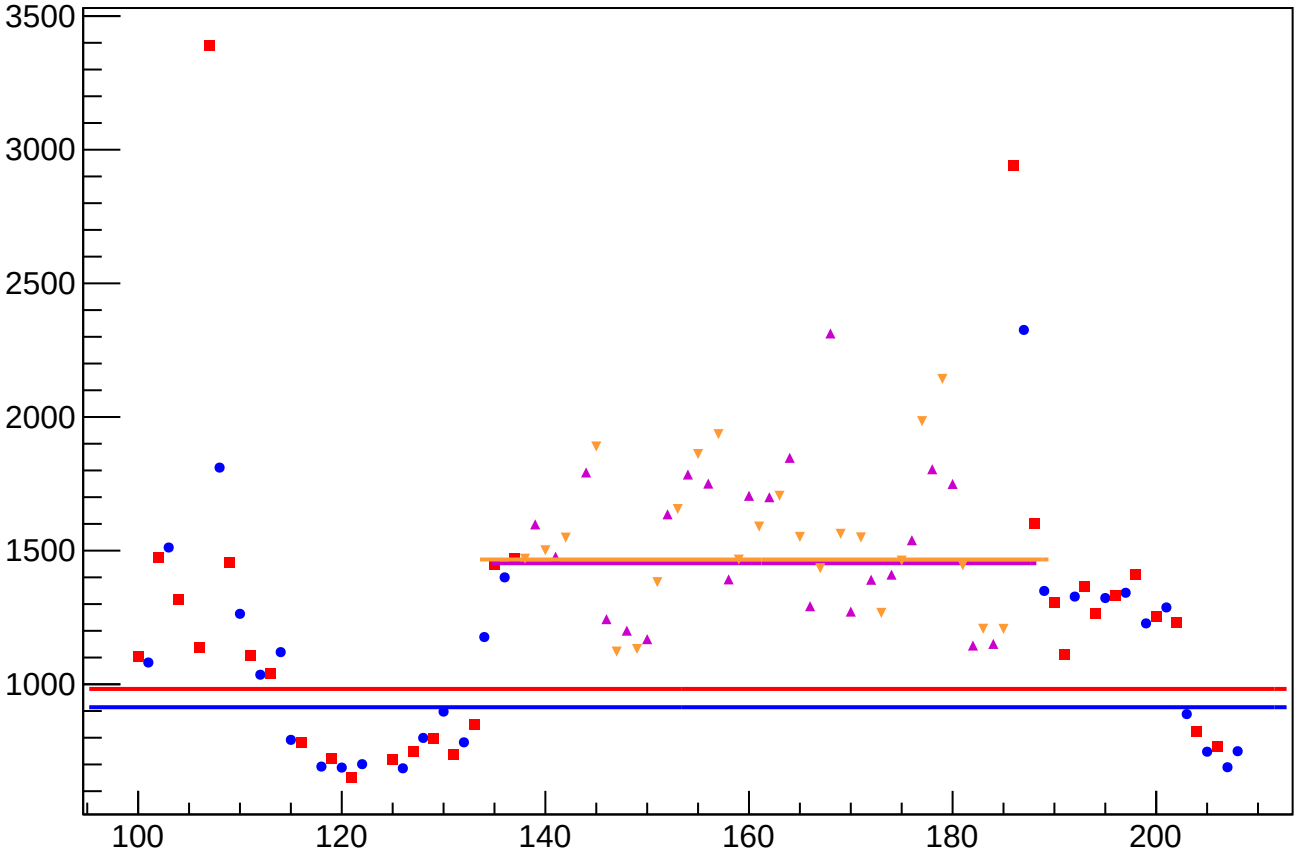
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -670.421+/-197.858 χ^2/NDF: 78.4/50

All: -356.940+/-142.808 χ^2/NDF: 136.7/103

- sign -16.034+/-206.332 χ^2/NDF: 53.1/52

asym_usl_reg_correction_rms vs Slug



Right In: 914.135+/-0.170 χ^2/NDF: 2515404.7/26

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

Right Out: 982.583+/-0.182 χ^2/NDF: 3008928.2/29

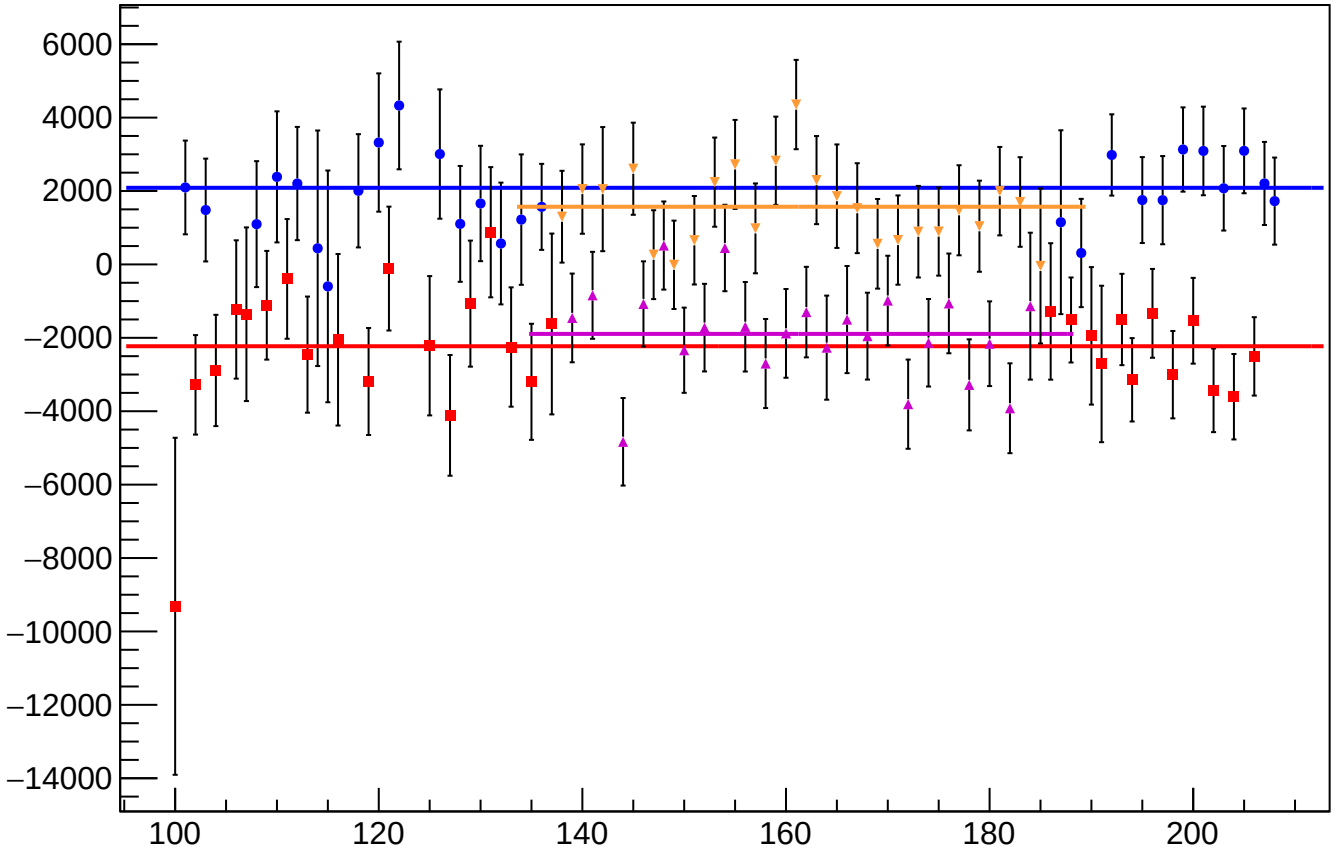
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1093.476+/-0.140 χ^2/NDF: 6979620.2/50

All: 1120.506+/-0.101 χ^2/NDF: 13578357.0/1

- sign 1149.900+/-0.146 χ^2/NDF: 6520819.6/52

cor_asym_usl_mean vs Slug



Right In: 2087.447+/-274.626 χ^2/NDF: 10.4/26

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

Right Out: -2229.202+/-272.803 χ^2/NDF: 18.3/29

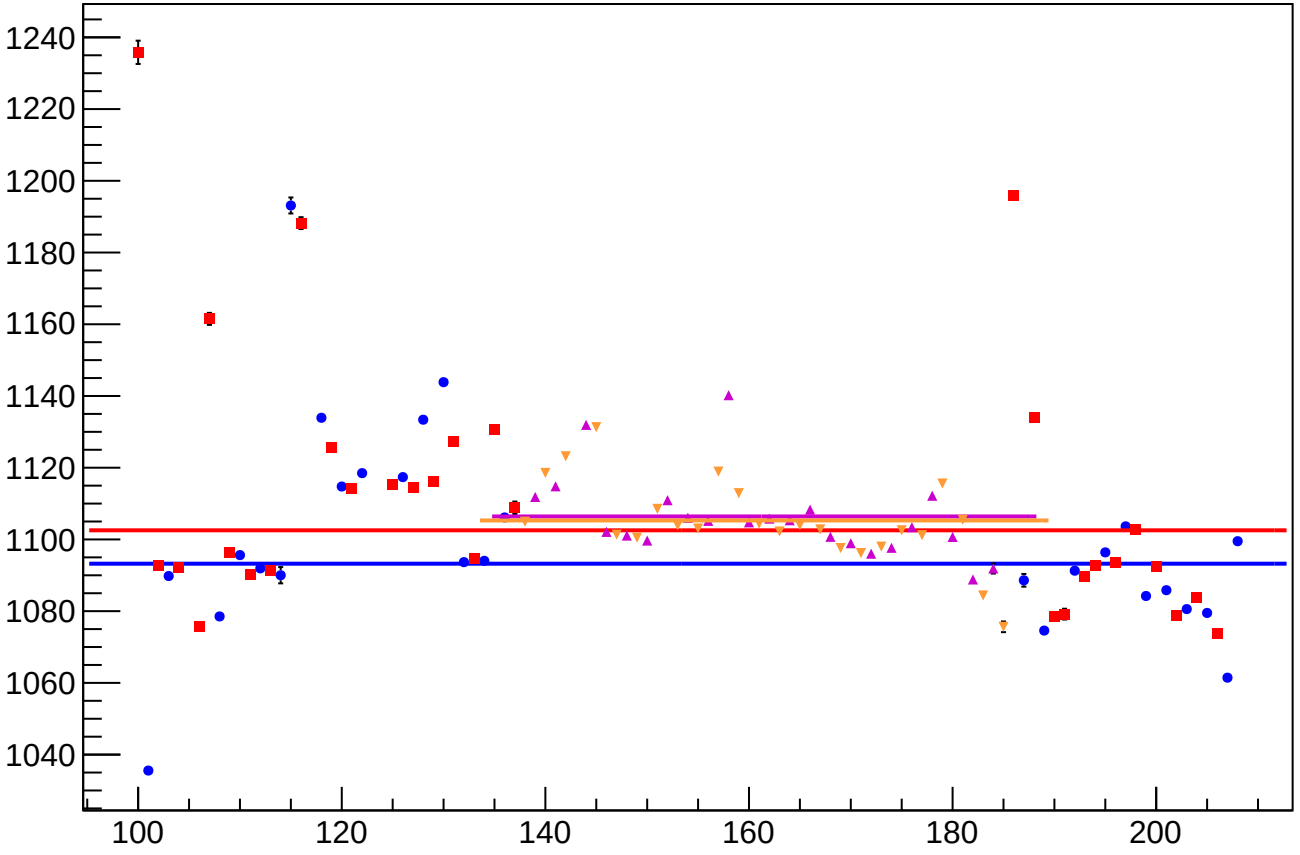
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1811.685+/-187.467 χ^2/NDF: 27.7/50

All: -119.083+/-132.599 χ^2/NDF: 283.2/103

- sign -2052.135+/-187.578 χ^2/NDF: 43.2/52

cor_asym_usl_rms vs Slug



Right In: 1093.237+/-0.194 χ^2/NDF: 15160.5/26

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

Right Out: 1102.541+/-0.193 χ^2/NDF: 19031.8/29

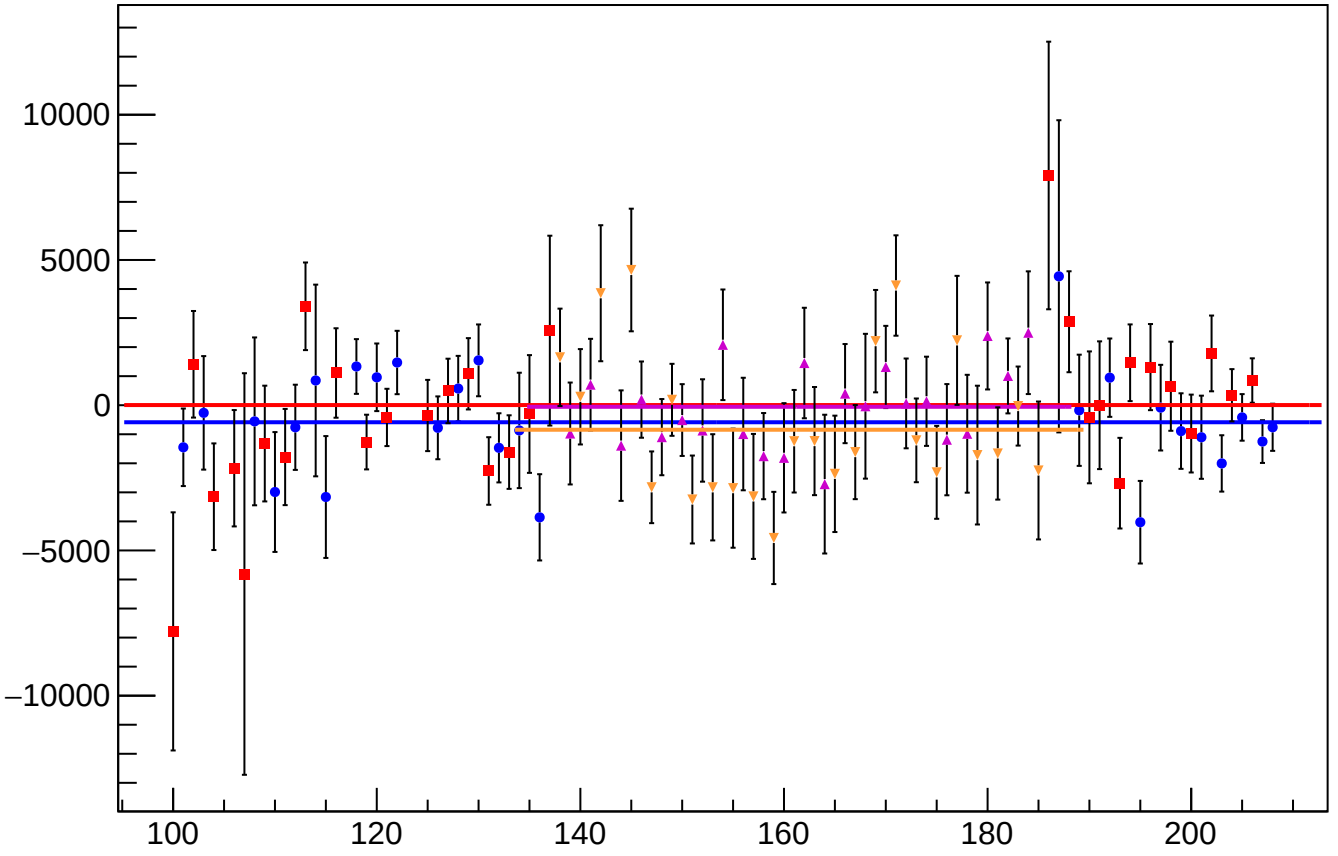
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1099.676+/-0.133 χ^2/NDF: 20381.2/50

All: 1102.126+/-0.094 χ^2/NDF: 44084.4/103

- sign 1104.578+/-0.133 χ^2/NDF: 23019.7/52

asym_usl_cor_correction_mean vs Slug



Right In: -586.735+/-240.732 χ^2/NDF: 33.9/26

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

Right Out: 5.118+/-257.051 χ^2/NDF: 40.0/29

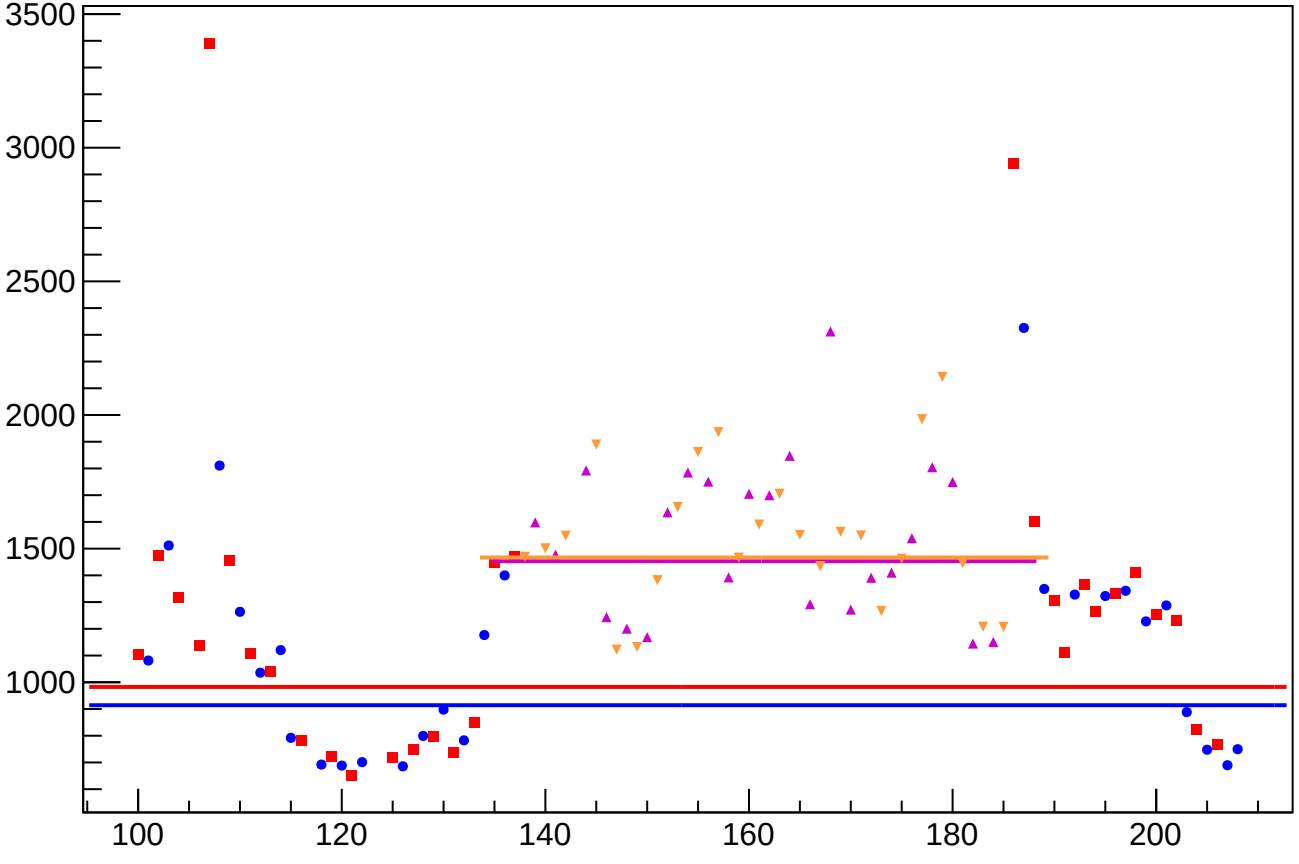
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -670.421+/-197.858 χ^2/NDF: 78.4/50

All: -356.940+/-142.808 χ^2/NDF: 136.7/103

- sign -16.033+/-206.332 χ^2/NDF: 53.1/52

asym_usl_cor_correction_rms vs Slug



Right In: 914.135+/-0.170 χ^2/NDF: 2515404.7/26

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

Right Out: 982.583+/-0.182 χ^2/NDF: 3008927.0/29

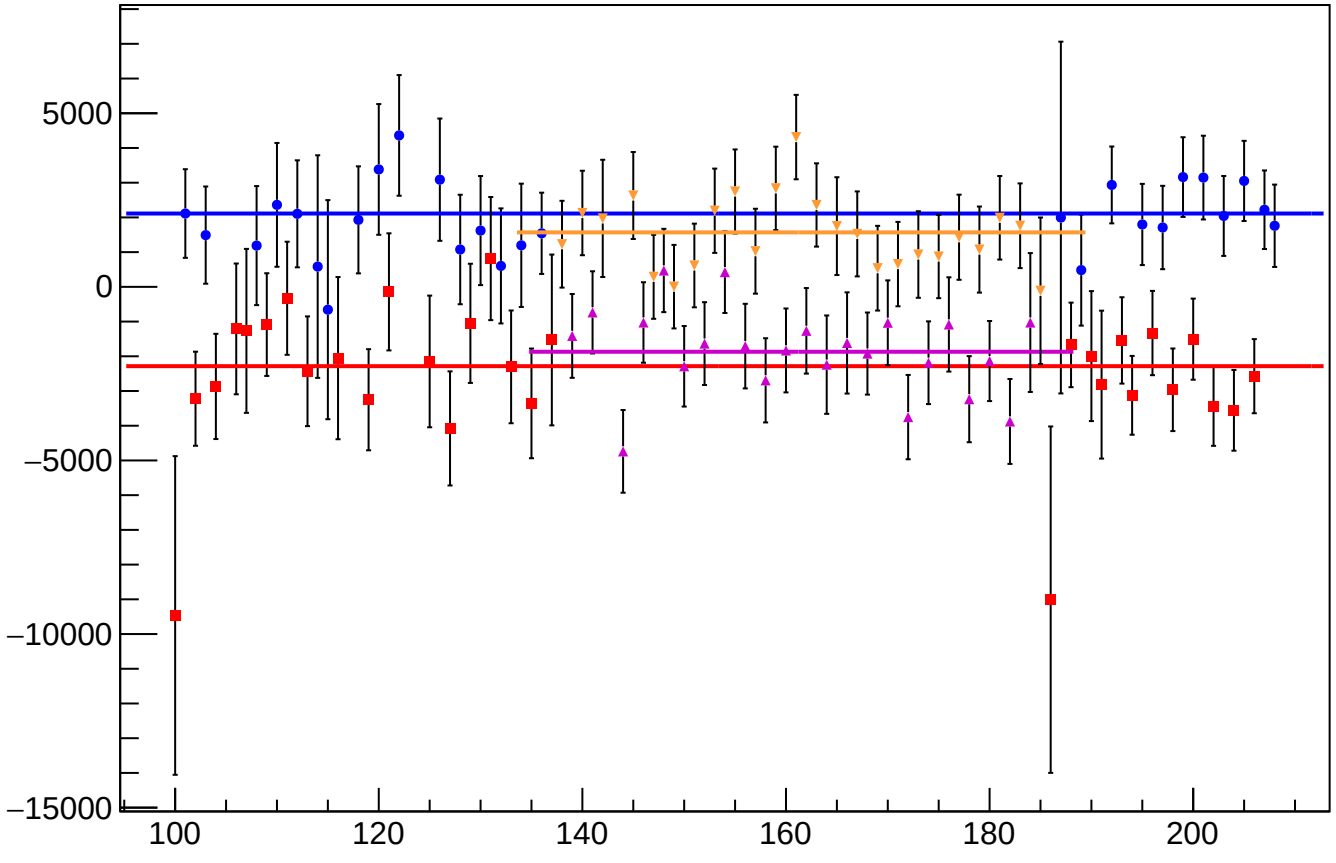
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1093.476+/-0.140 χ^2/NDF: 6979620.2/50

All: 1120.506+/-0.101 χ^2/NDF: 13578357.1/1

- sign 1149.900+/-0.146 χ^2/NDF: 6520820.0/52

overload_cor_asym_usl_mean vs Slug



Right In: 2112.210+/-276.417 χ^2/NDF: 9.9/26

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

Right Out: -2284.393+/-275.974 χ^2/NDF: 19.8/29

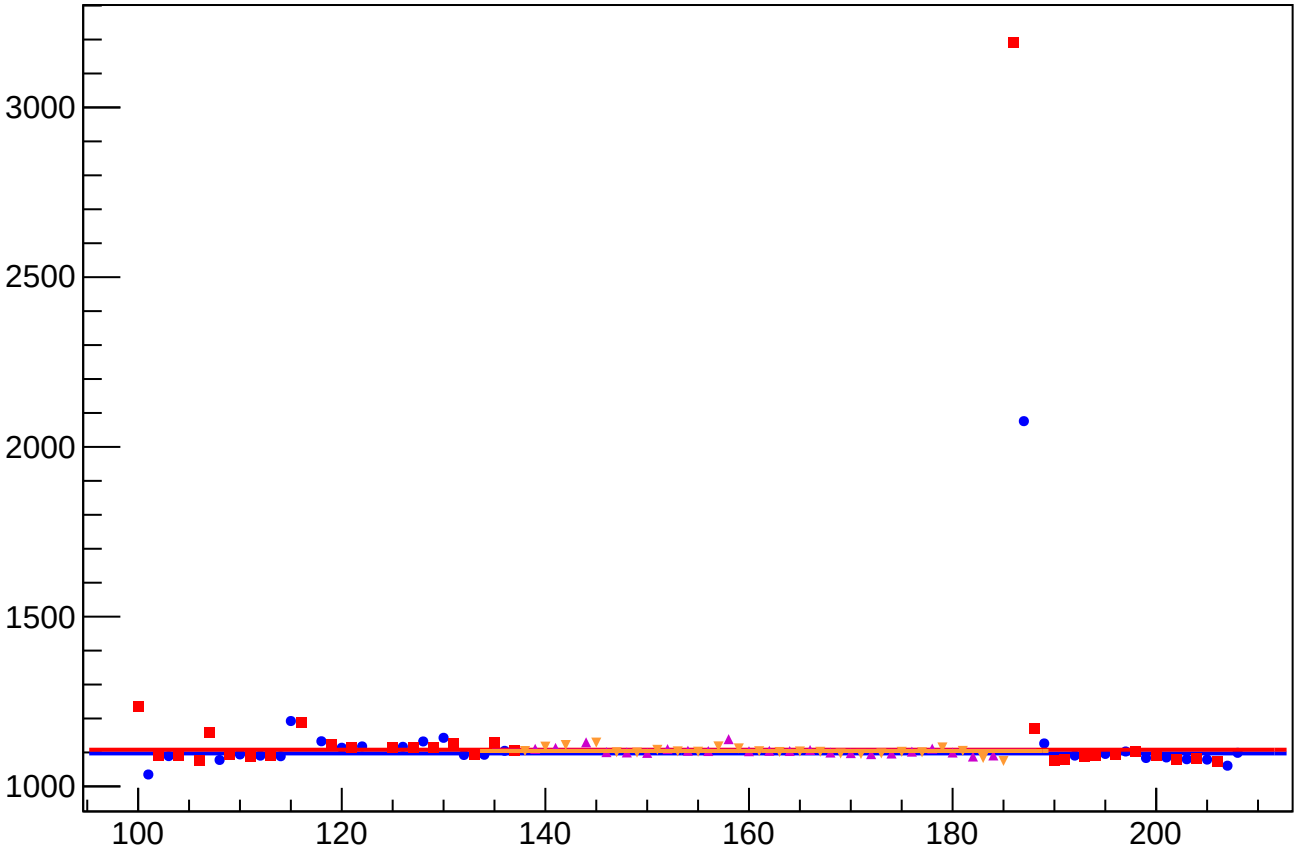
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1820.000+/-187.939 χ^2/NDF: 27.4/50

All: -115.642+/-133.093 χ^2/NDF: 284.6/103

- sign -2062.992+/-188.506 χ^2/NDF: 44.4/52

overload_cor_asym_usl_rms vs Slug



Right In: 1097.115+/-0.195 χ^2/NDF: 90421.2/26

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

Right Out: 1108.020+/-0.195 χ^2/NDF: 368440.3/29

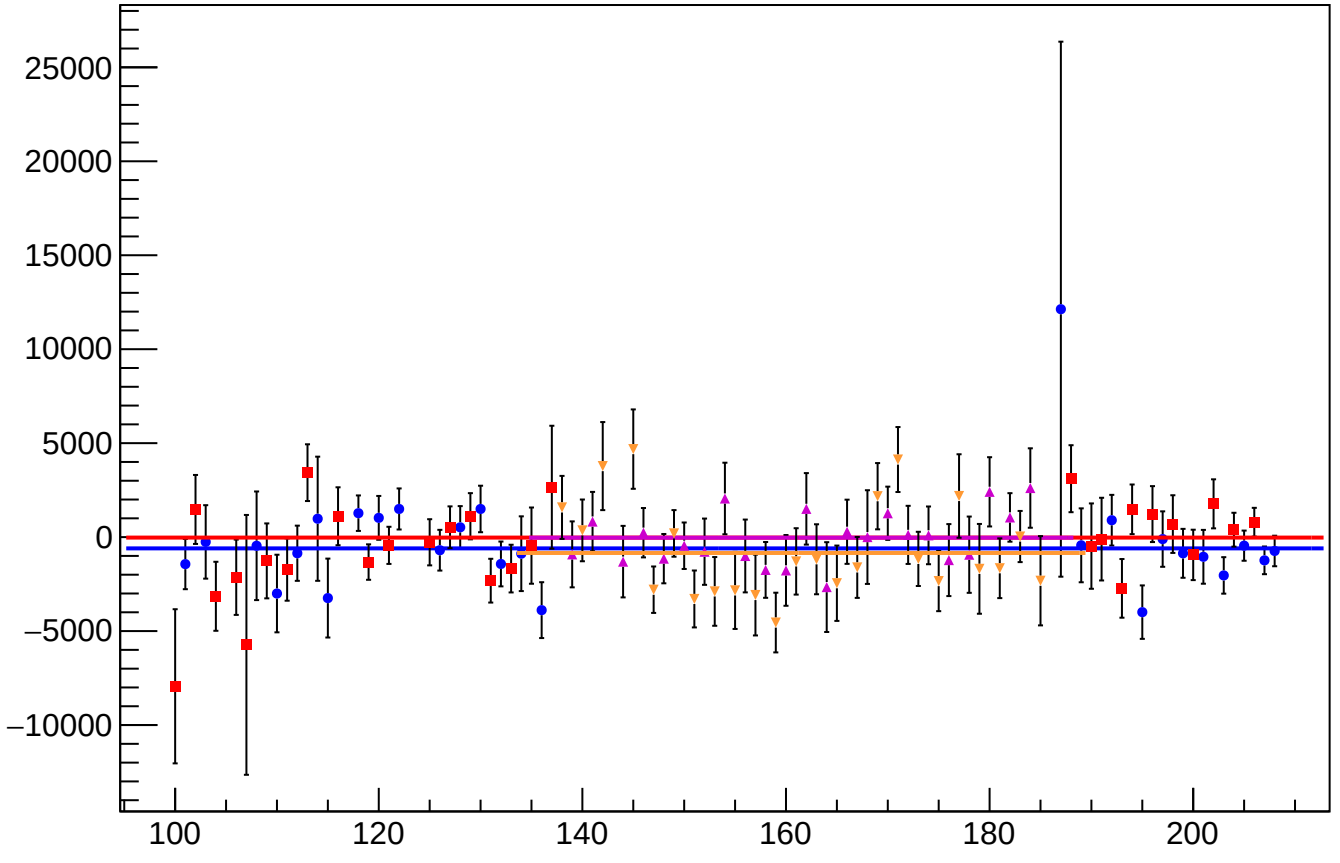
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1100.956+/-0.133 χ^2/NDF: 94138.6/50

All: 1103.776+/-0.094 χ^2/NDF: 467240.5/103

- sign 1106.612+/-0.133 χ^2/NDF: 372198.9/52

asym_usl_overload_cor_correction_mean vs Slug



Right In: -599.338+/-241.329 χ^2/NDF: 33.4/26

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

Right Out: -24.837+/-257.899 χ^2/NDF: 37.9/28

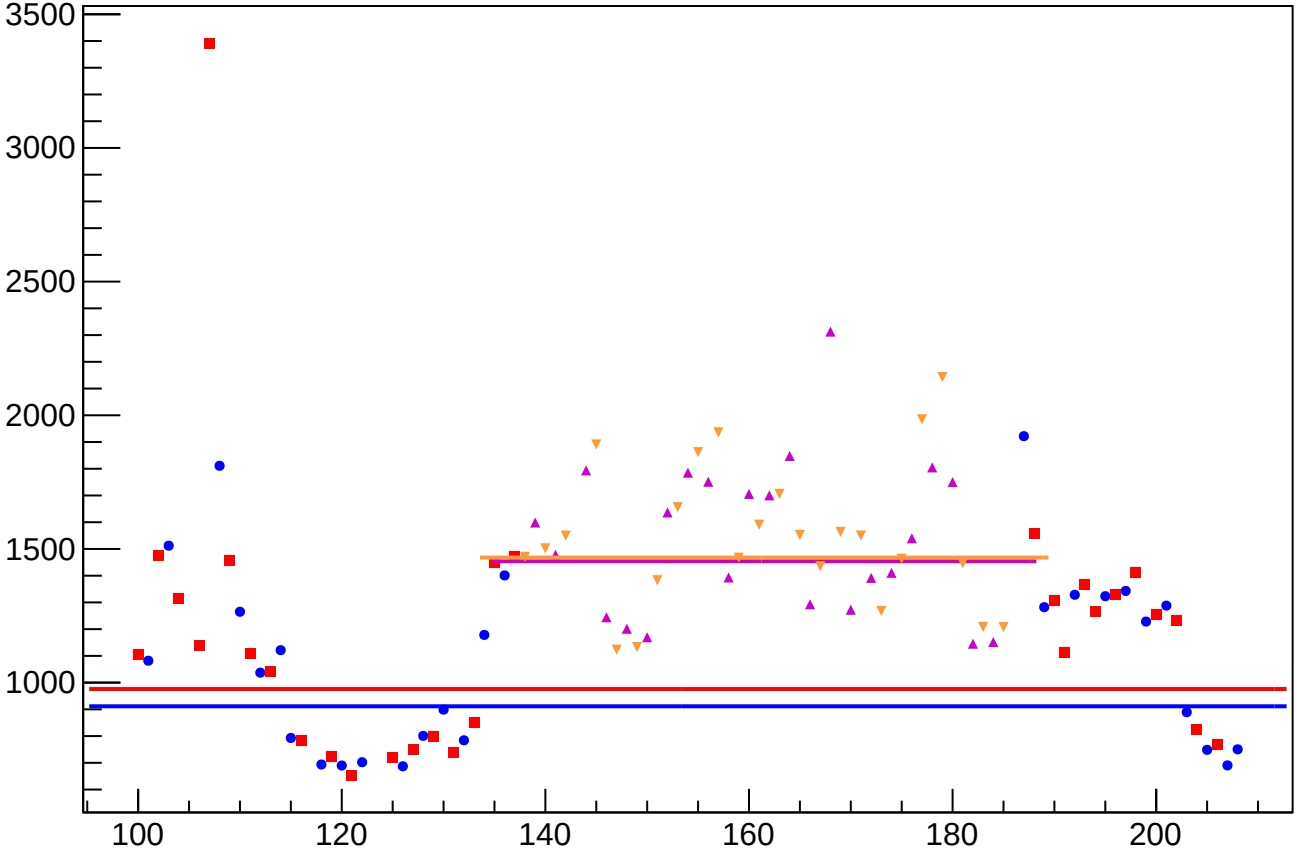
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -678.697+/-198.225 χ^2/NDF: 77.8/50

All: -366.741+/-143.105 χ^2/NDF: 133.9/102

- sign -27.175+/-206.811 χ^2/NDF: 50.9/51

asym_usl_overload_cor_correction_rms vs Slug



Right In: 911.434+/-0.171 χ^2/NDF: 2346271.5/26

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

Right Out: 975.944+/-0.182 χ^2/NDF: 2589679.2/28

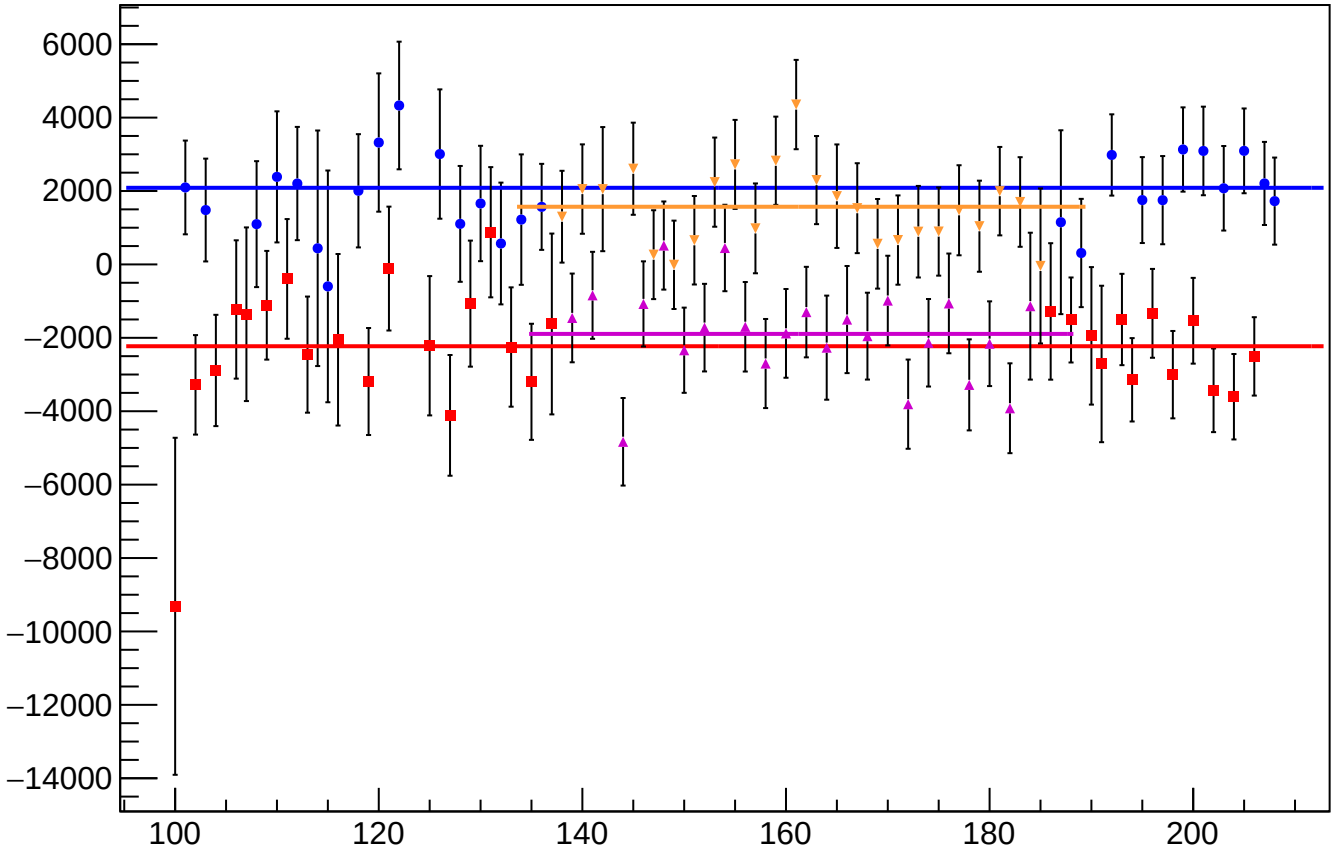
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1092.398+/-0.140 χ^2/NDF: 6845021.8/50

All: 1118.315+/-0.101 χ^2/NDF: 13085364.2/1

- sign 1146.526+/-0.146 χ^2/NDF: 6168937.9/51

eigen_cor_asym_usl_mean vs Slug



Right In: 2087.447+/-274.626 χ^2/NDF: 10.4/26

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

Right Out: -2229.202+/-272.803 χ^2/NDF: 18.3/29

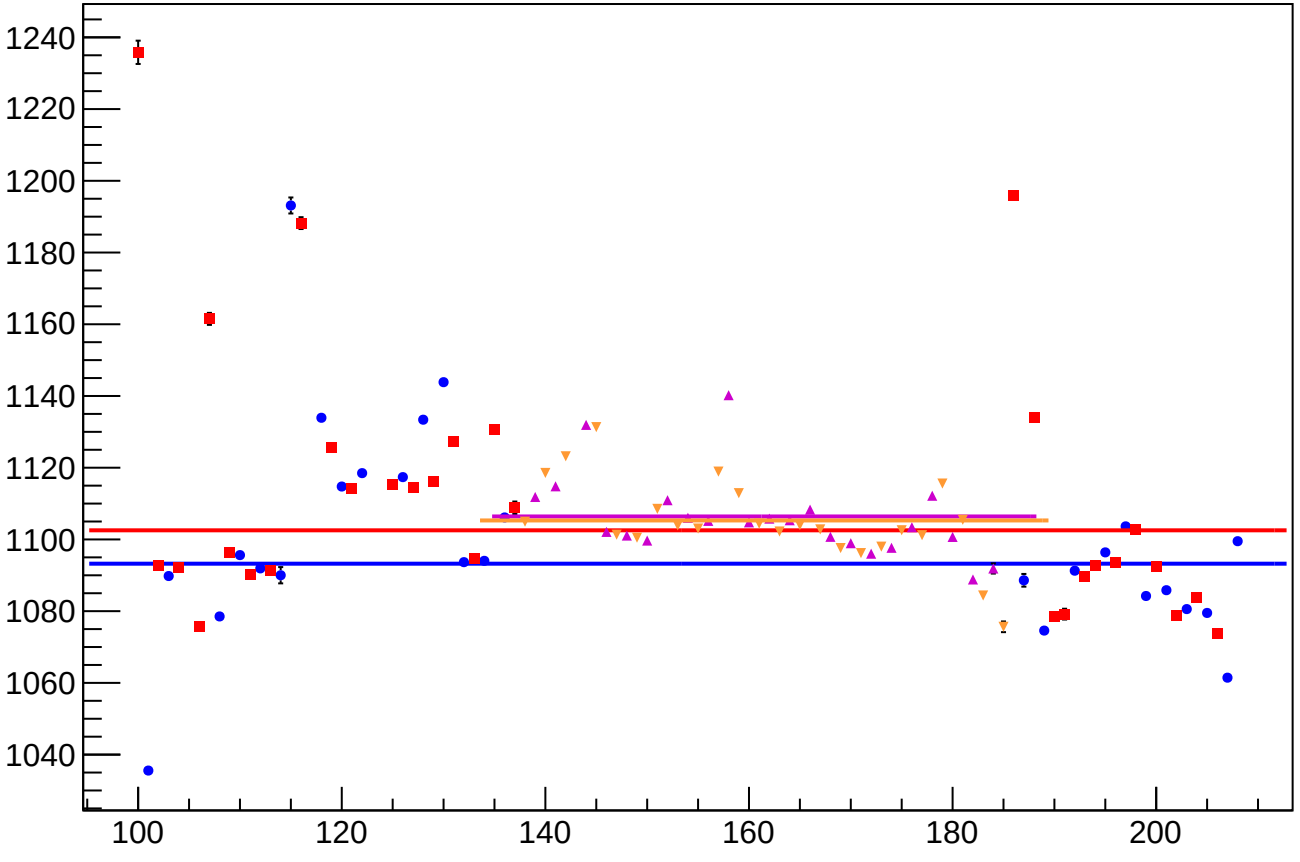
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1811.685+/-187.467 χ^2/NDF: 27.7/50

All: -119.083+/-132.599 χ^2/NDF: 283.2/103

- sign -2052.135+/-187.578 χ^2/NDF: 43.2/52

eigen_cor_asym_usl_rms vs Slug



Right In: 1093.237+/-0.194 χ^2/NDF: 15160.5/26

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

Right Out: 1102.541+/-0.193 χ^2/NDF: 19031.8/29

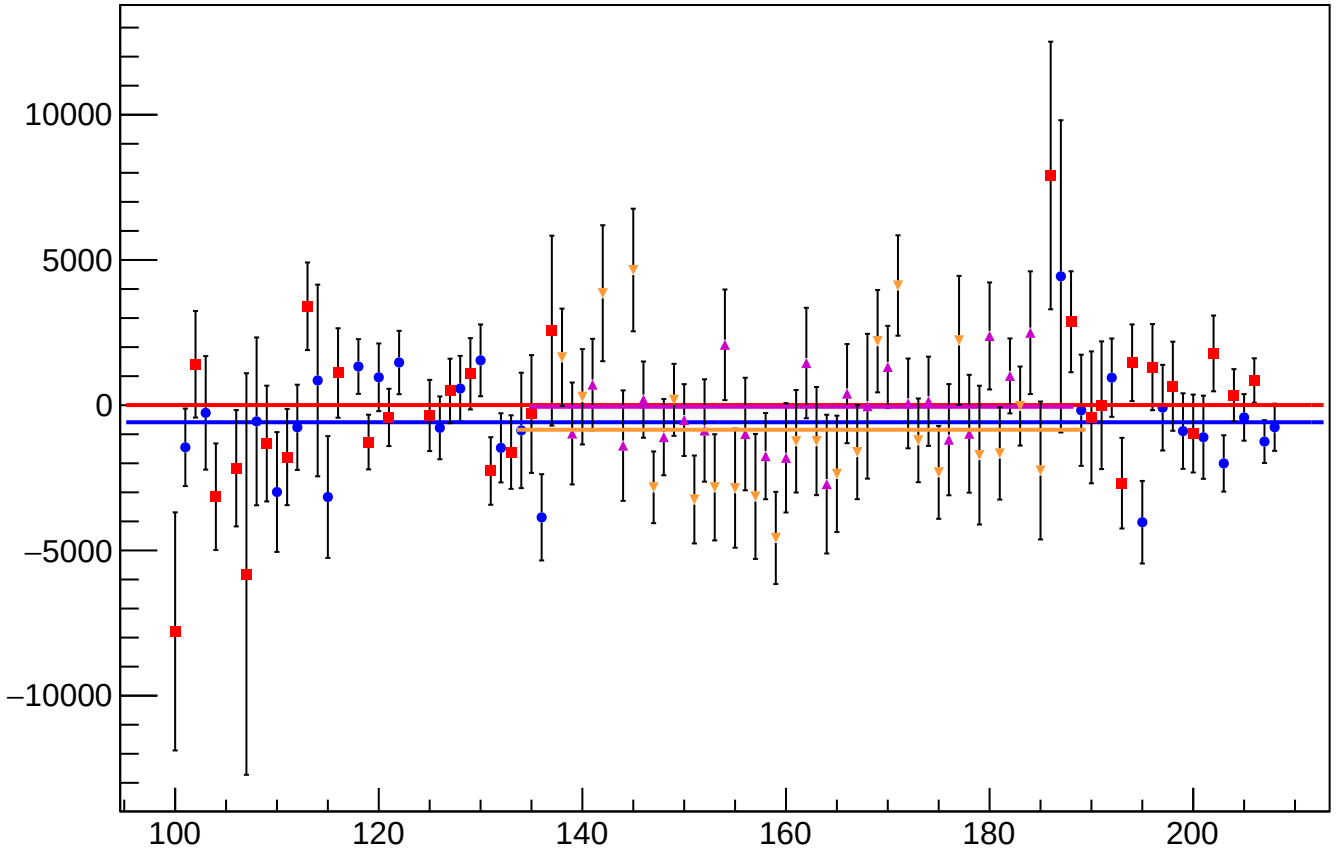
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1099.676+/-0.133 χ^2/NDF: 20381.2/50

All: 1102.126+/-0.094 χ^2/NDF: 44084.4/103

- sign 1104.578+/-0.133 χ^2/NDF: 23019.7/52

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -586.735+/-240.732 χ^2/NDF: 33.9/26

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

Right Out: 5.118+/-257.051 χ^2/NDF: 40.0/29

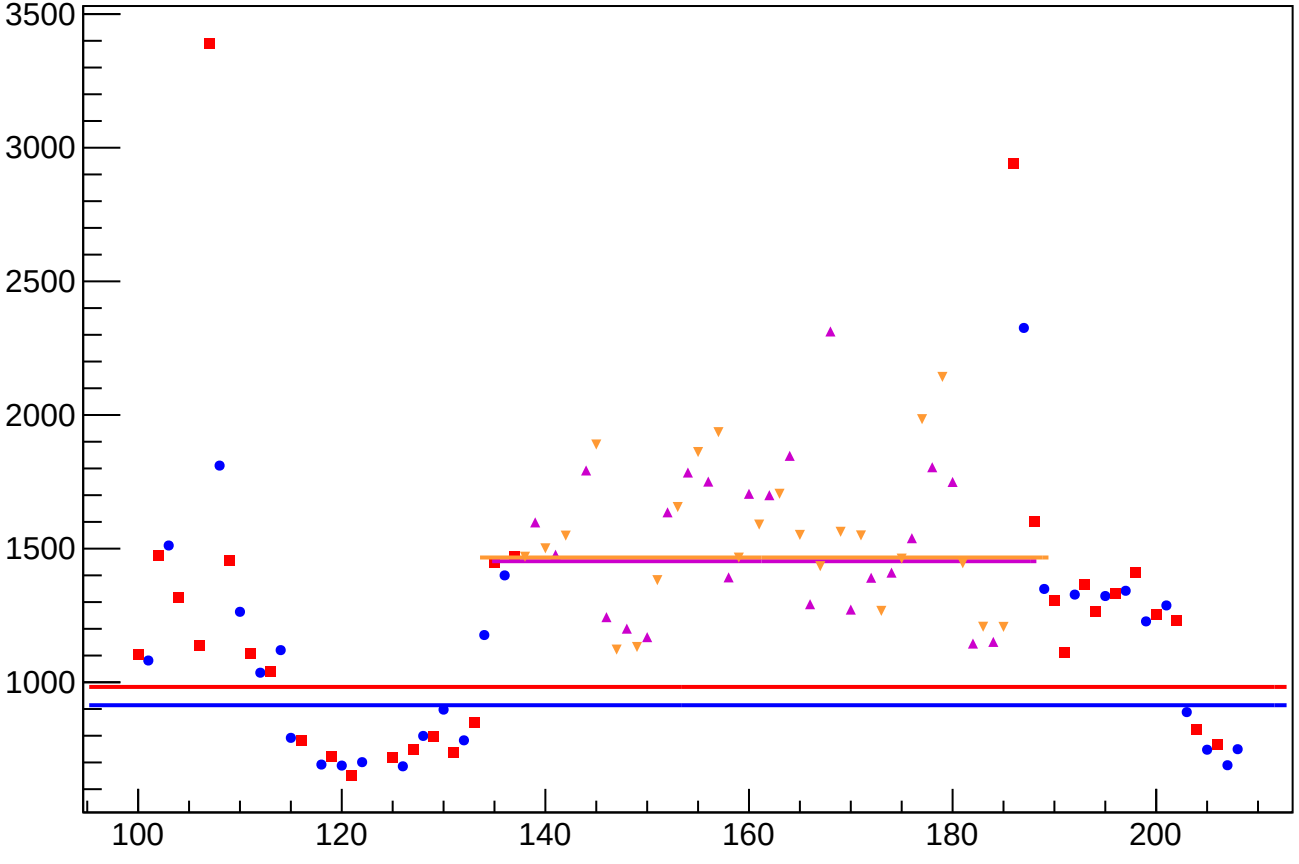
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -670.421+/-197.858 χ^2/NDF: 78.4/50

All: -356.940+/-142.808 χ^2/NDF: 136.7/103

- sign -16.033+/-206.332 χ^2/NDF: 53.1/52

asym_usl_eigen_cor_correction_rms vs Slug



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

Right Out: 982.583+/-0.182 χ^2/NDF: 3008927.0/29

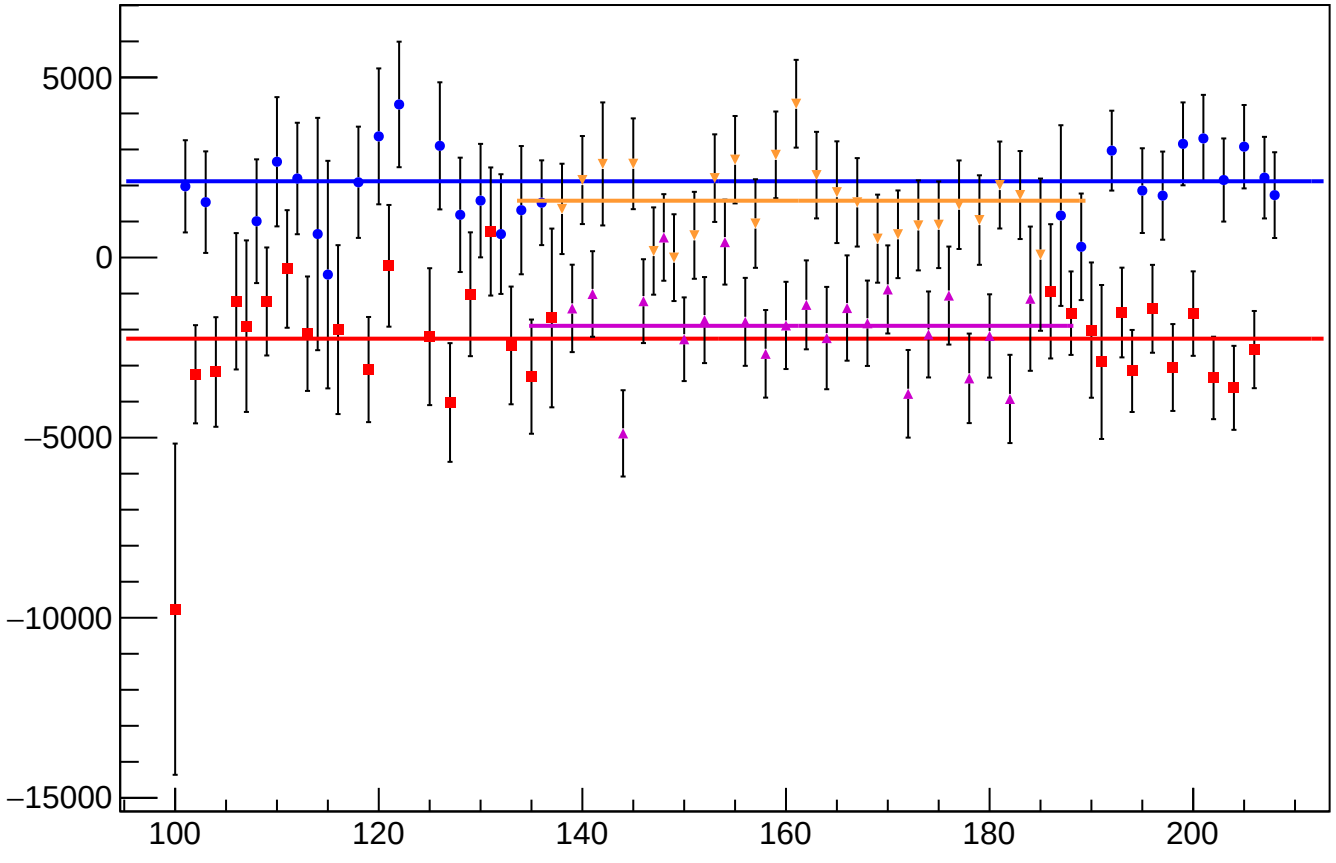
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1093.476+/-0.140 χ^2/NDF: 6979620.2/50

All: 1120.506+/-0.101 χ^2/NDF: 13578357.1/1

- sign 1149.900+/-0.146 χ^2/NDF: 6520820.0/52

dit_asym_usl_mean vs Slug



Right In: 2117.528+/-275.547 χ^2/NDF: 10.5/26

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

Right Out: -2252.298+/-273.858 χ^2/NDF: 18.1/29

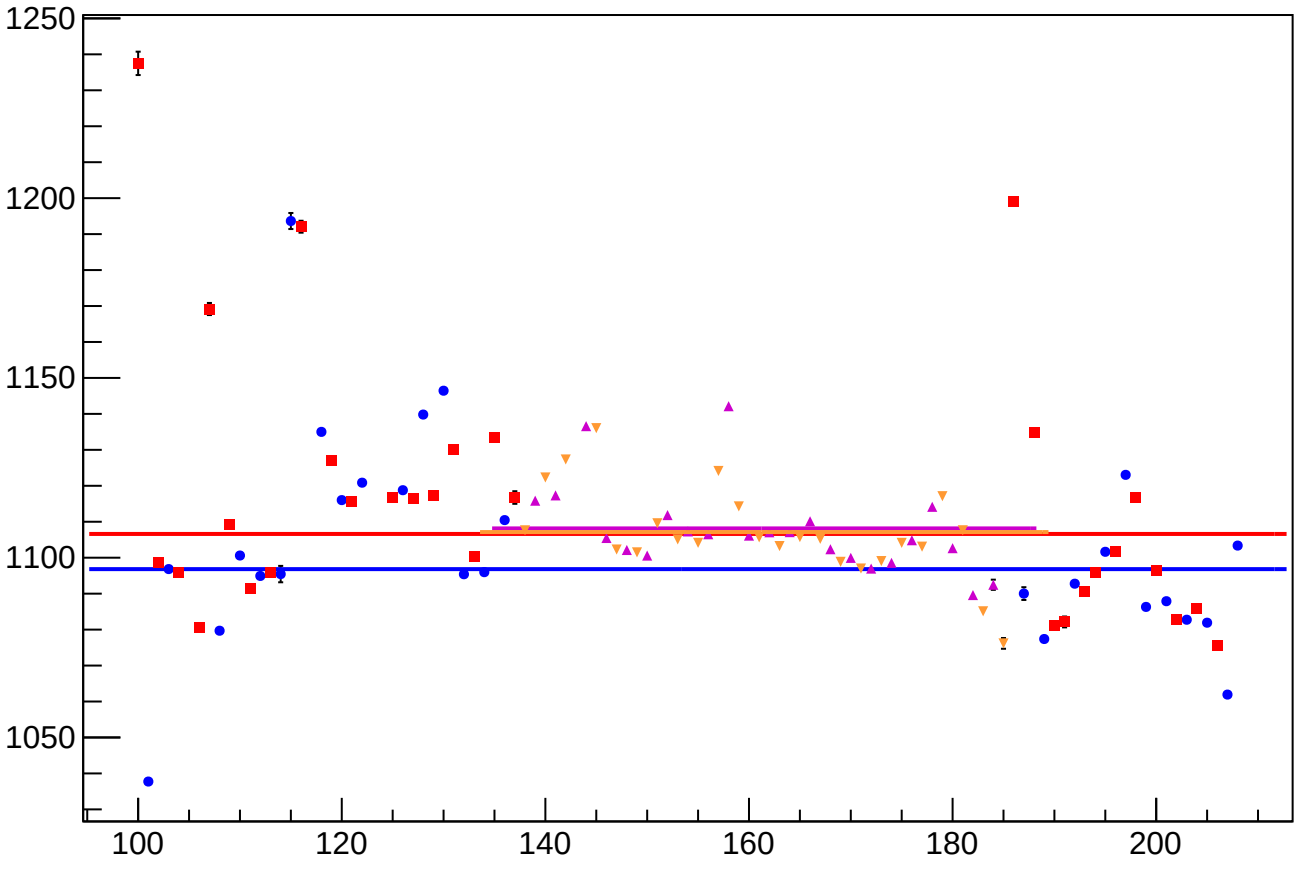
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1828.680+/-187.943 χ^2/NDF: 28.1/50

All: -116.162+/-132.943 χ^2/NDF: 285.5/103

- sign -2063.811+/-188.078 χ^2/NDF: 43.1/52

dit_asym_usl_rms vs Slug



Right In: 1096.822+/-0.195 χ^2/NDF: 16396.8/26

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

Right Out: 1106.607+/-0.194 χ^2/NDF: 18865.6/29

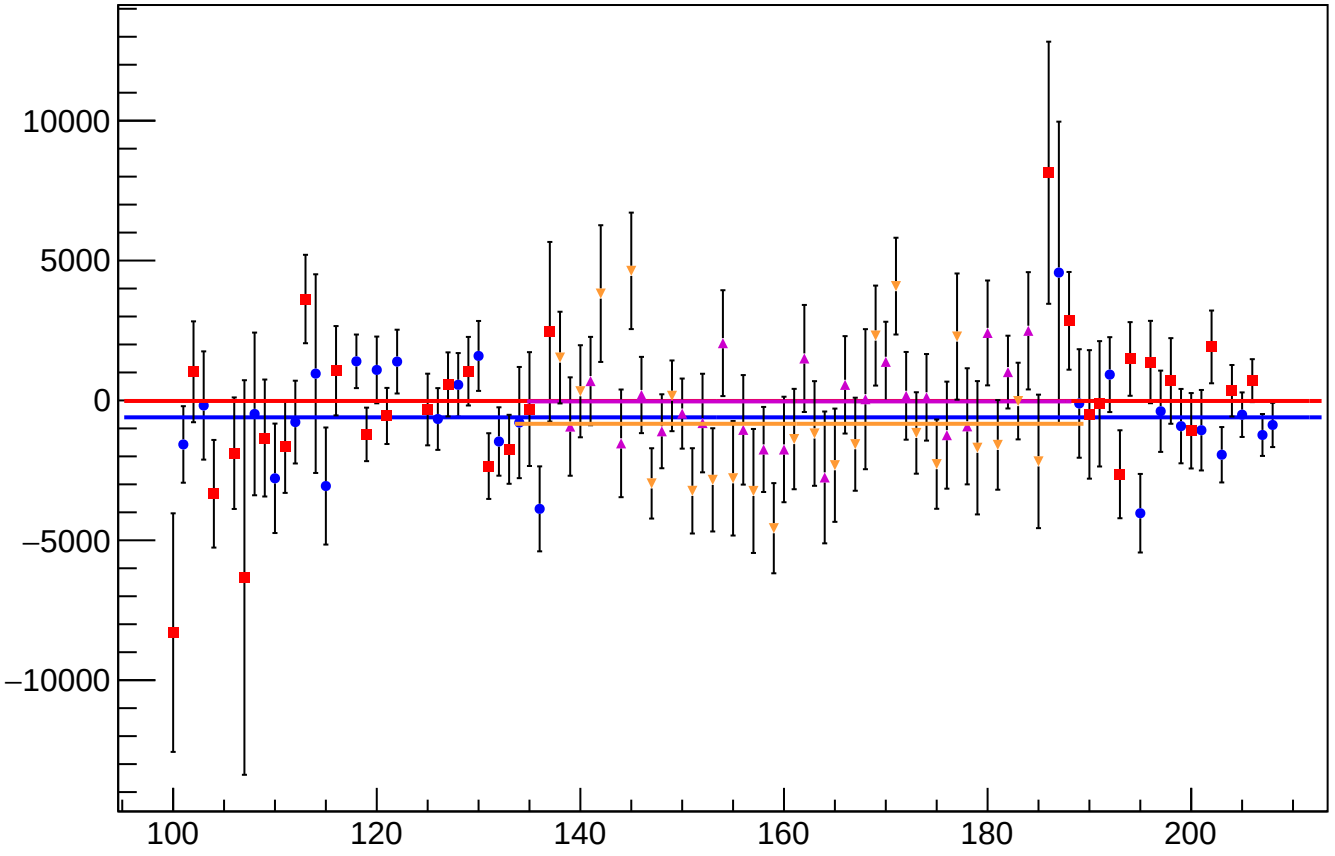
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1102.333+/-0.133 χ^2/NDF: 21676.2/50

All: 1104.875+/-0.094 χ^2/NDF: 45497.7/103

- sign 1107.420+/-0.133 χ^2/NDF: 23089.5/52

asym_usl_dit_correction_mean vs Slug



Right In: -604.254+/-242.773 χ^2/NDF: 33.2/26

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

Right Out: -19.401+/-259.981 χ^2/NDF: 40.2/29

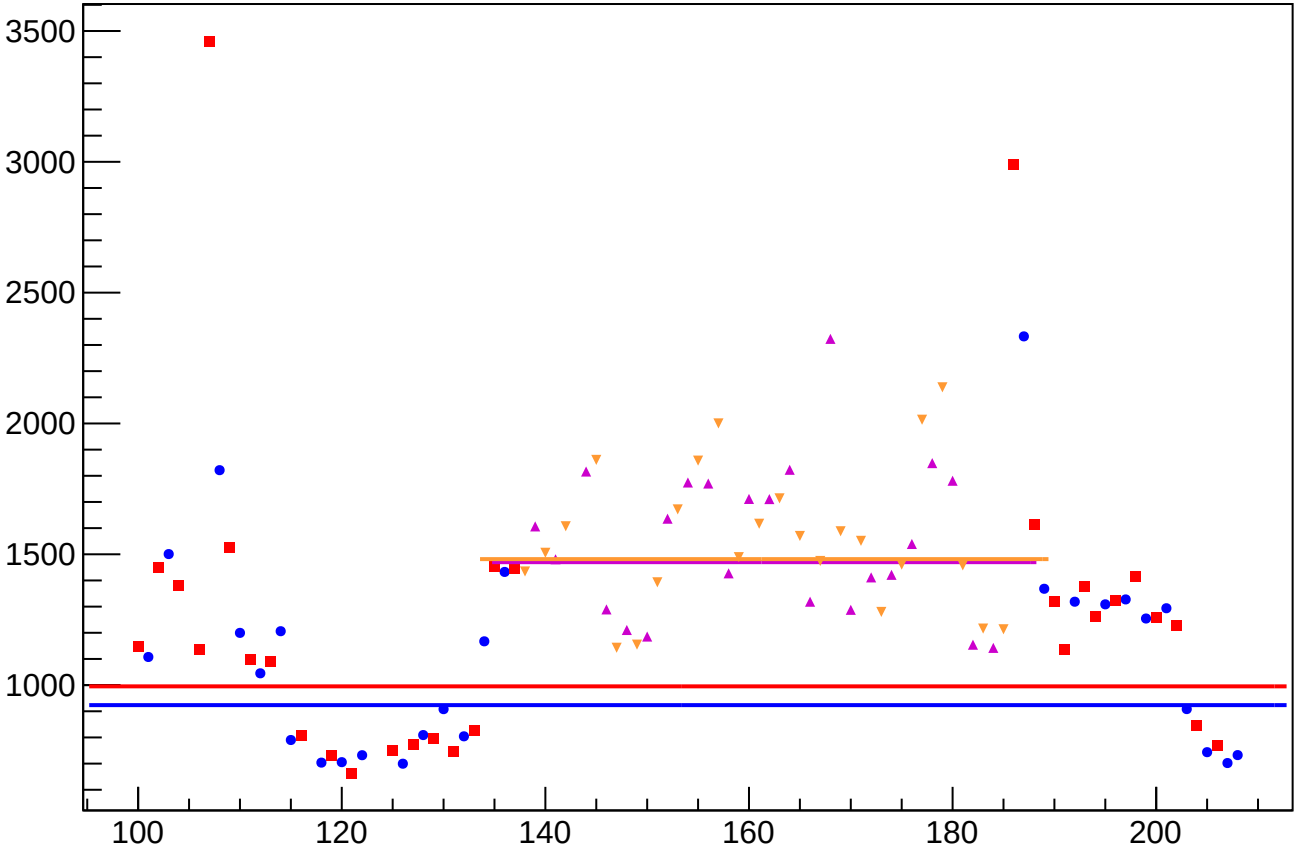
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -679.125+/-199.596 χ^2/NDF: 77.1/50

All: -366.592+/-144.222 χ^2/NDF: 135.5/103

- sign -25.139+/-208.626 χ^2/NDF: 53.3/52

asym_usl_dit_correction_rms vs Slug



Right In: 923.514+/-0.172 χ^2/NDF: 2455559.2/26

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

Right Out: 995.254+/-0.184 χ^2/NDF: 2954011.2/29

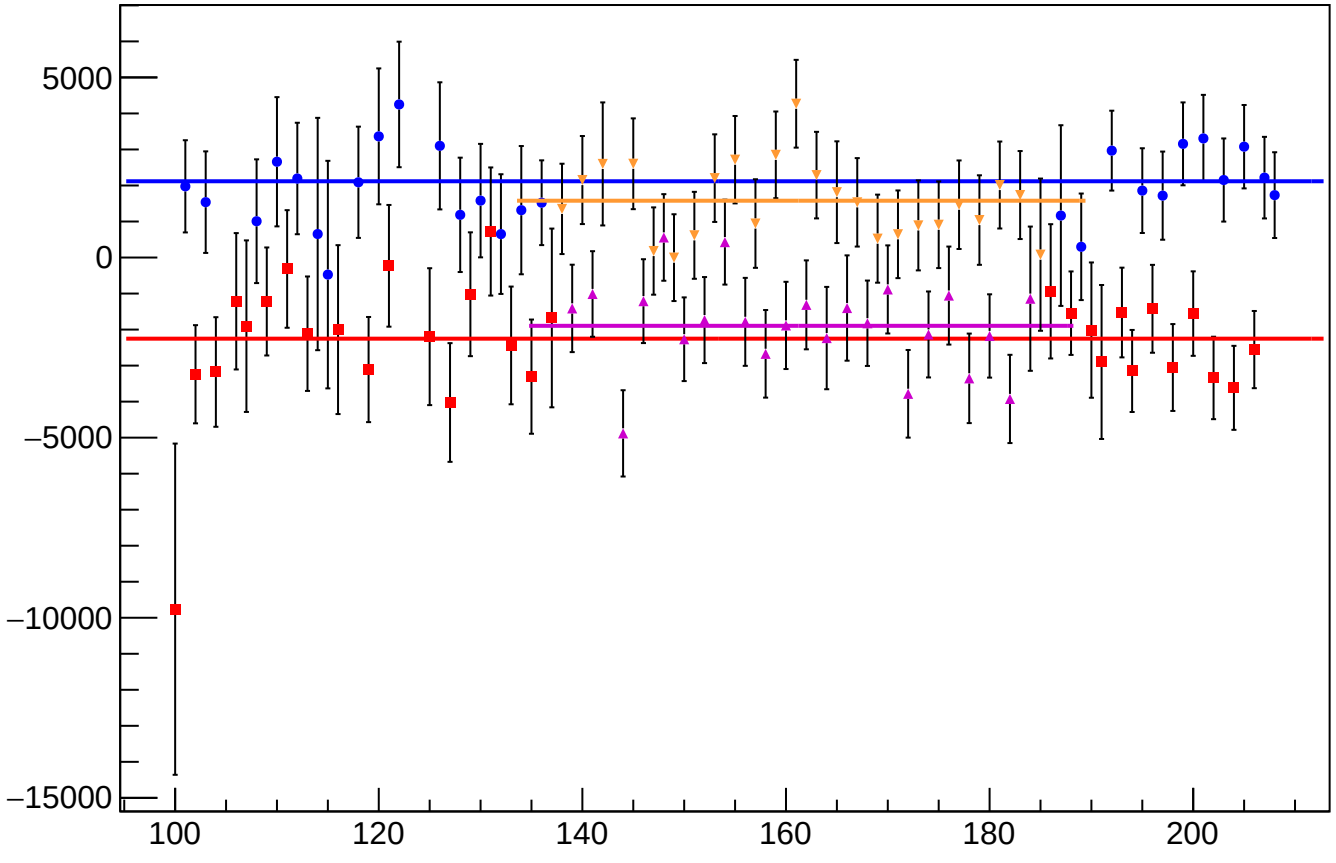
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 1104.355+/-0.141 χ^2/NDF: 6897424.3/50

All: 1132.979+/-0.102 χ^2/NDF: 13406153.7/1

- sign 1164.252+/-0.148 χ^2/NDF: 6422656.5/52

eigen_dit_asym_usl_mean vs Slug



Right In: 2117.528+/-275.547 χ^2/NDF: 10.5/26

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

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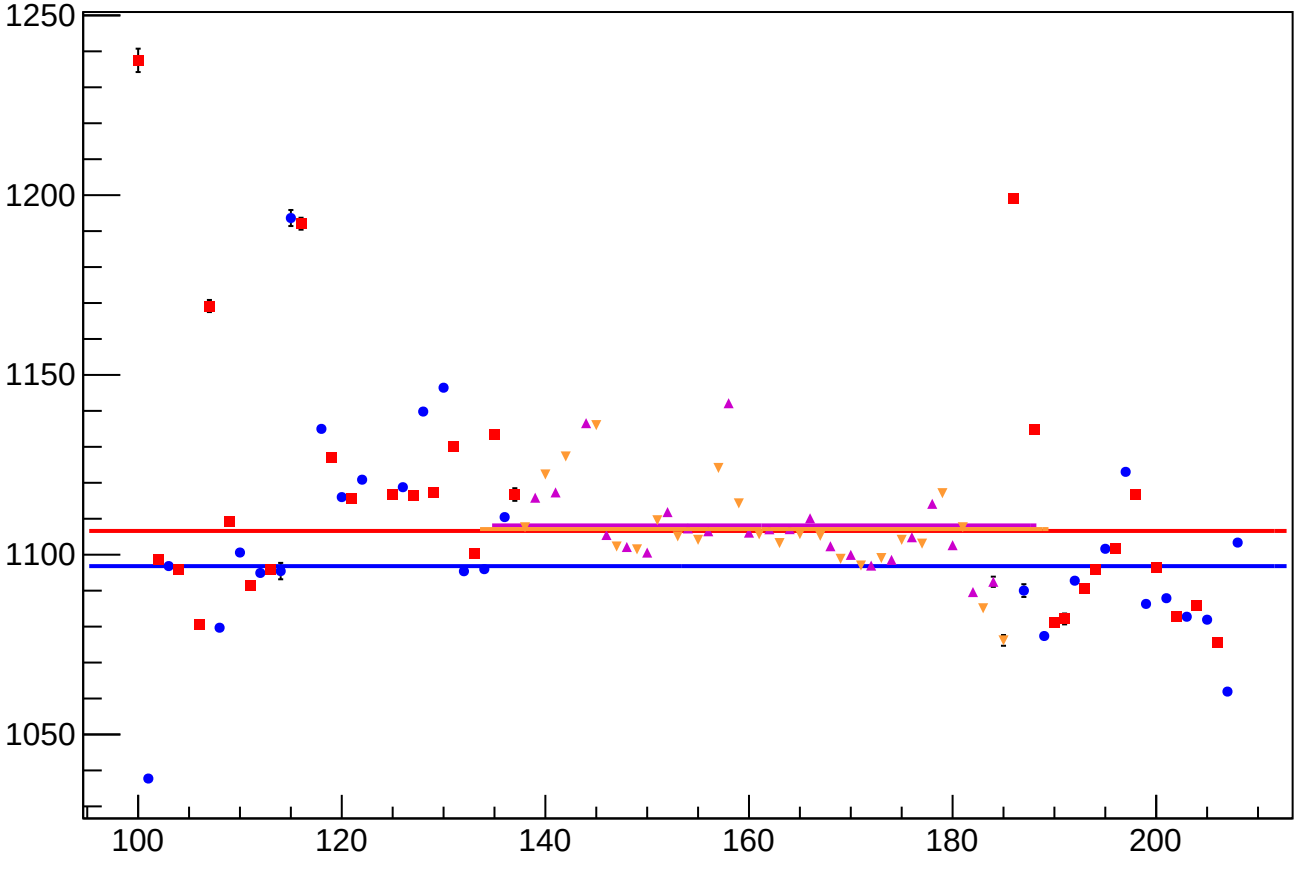
+ sign 1828.678+/-187.943 χ^2/NDF: 28.1/50

All: -116.163+/-132.943 χ^2/NDF: 285.5/103

- sign -2063.811+/-188.078 χ^2/NDF: 43.1/52

eigen_dit_asym_usl_rms vs Slug



Right In: 1096.822+/-0.195 χ^2/NDF: 16396.8/26

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

Right Out: 1106.607+/-0.194 χ^2/NDF: 18865.6/29

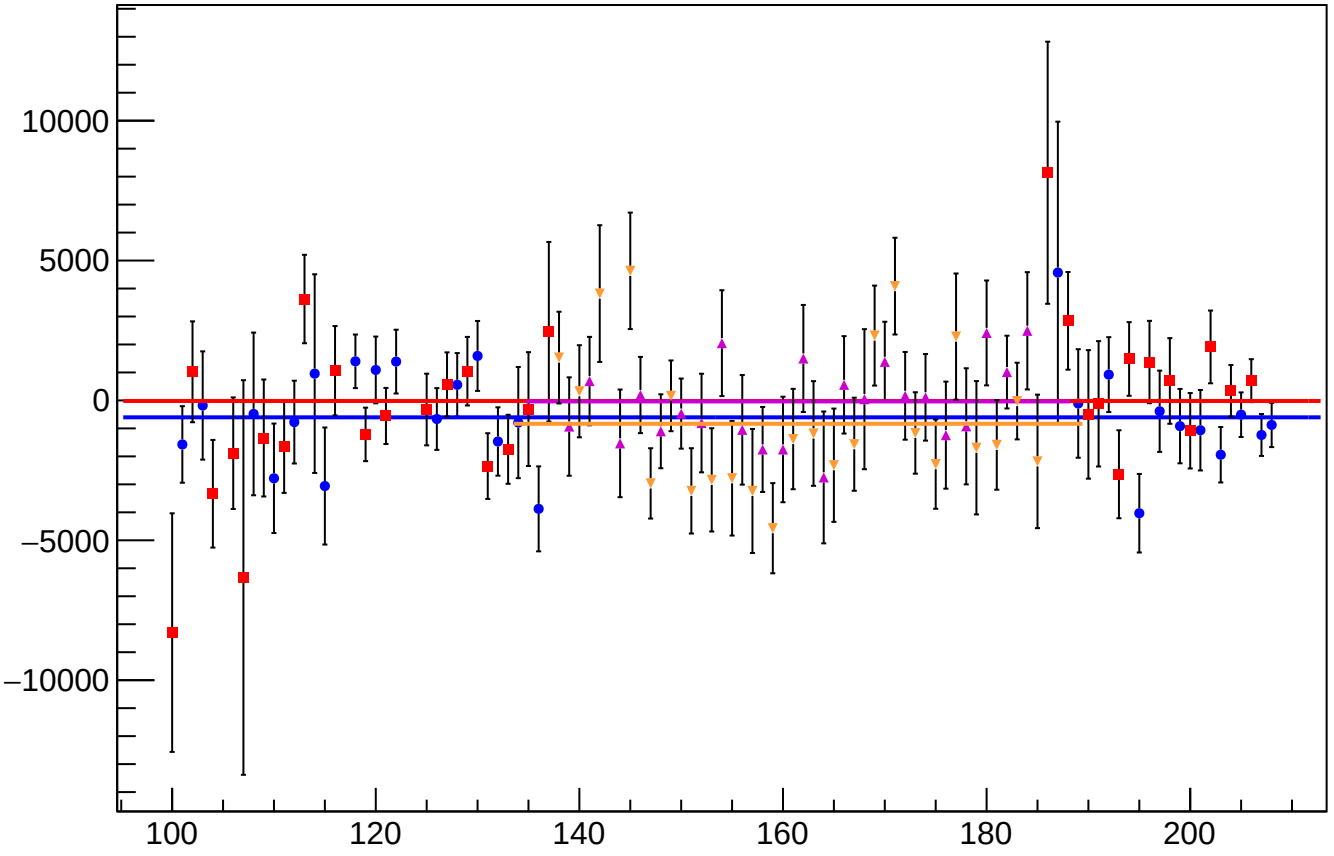
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1102.333+/-0.133 χ^2/NDF: 21676.2/50

All: 1104.875+/-0.094 χ^2/NDF: 45497.7/103

- sign 1107.420+/-0.133 χ^2/NDF: 23089.4/52

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -604.252+/-242.773 χ^2/NDF: 33.2/26

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

Right Out: -19.402+/-259.980 χ^2/NDF: 40.2/29

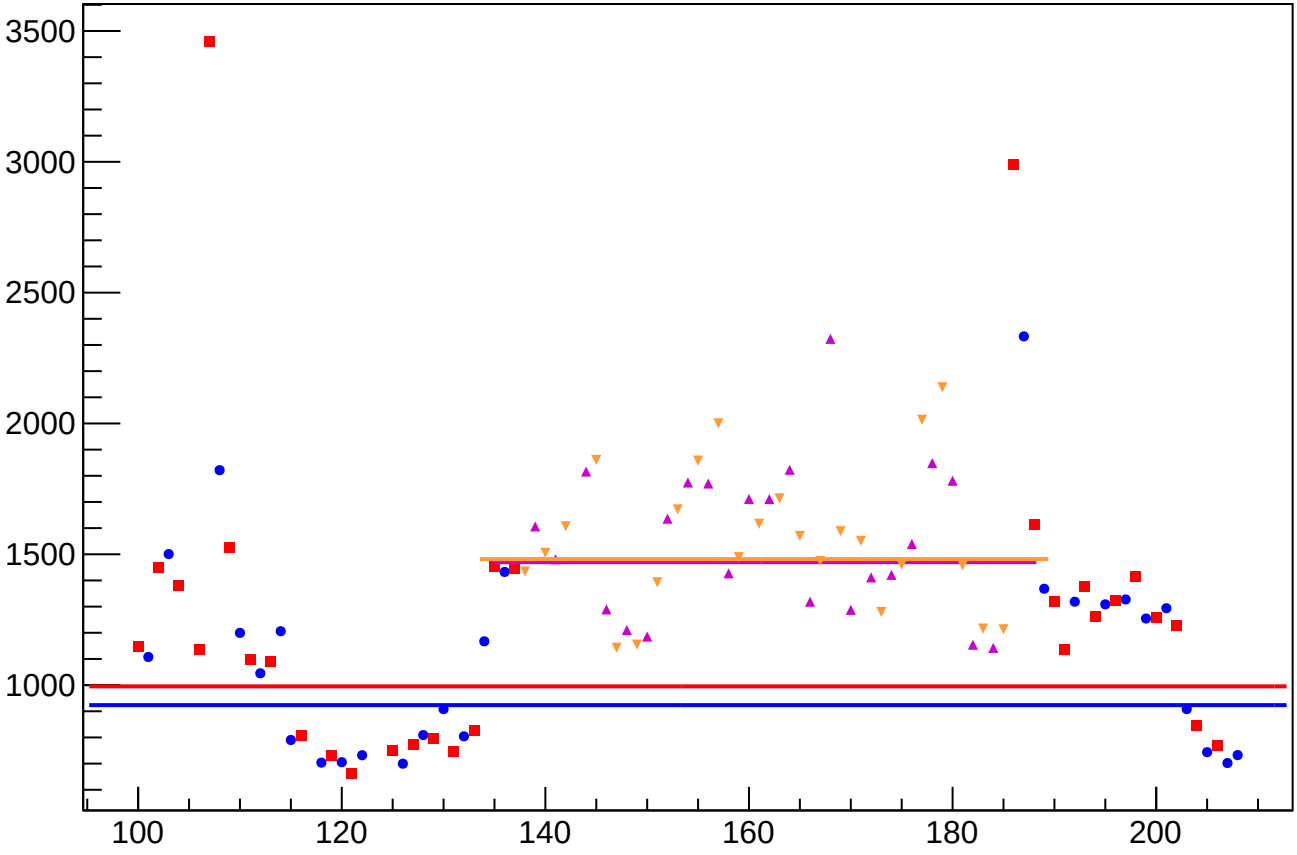
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -679.125+/-199.595 χ^2/NDF: 77.1/50

All: -366.592+/-144.222 χ^2/NDF: 135.5/103

- sign -25.139+/-208.626 χ^2/NDF: 53.3/52

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 923.513+/-0.172 χ^2/NDF: 2455561.9/26

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

Right Out: 995.253+/-0.184 χ^2/NDF: 2954020.7/29

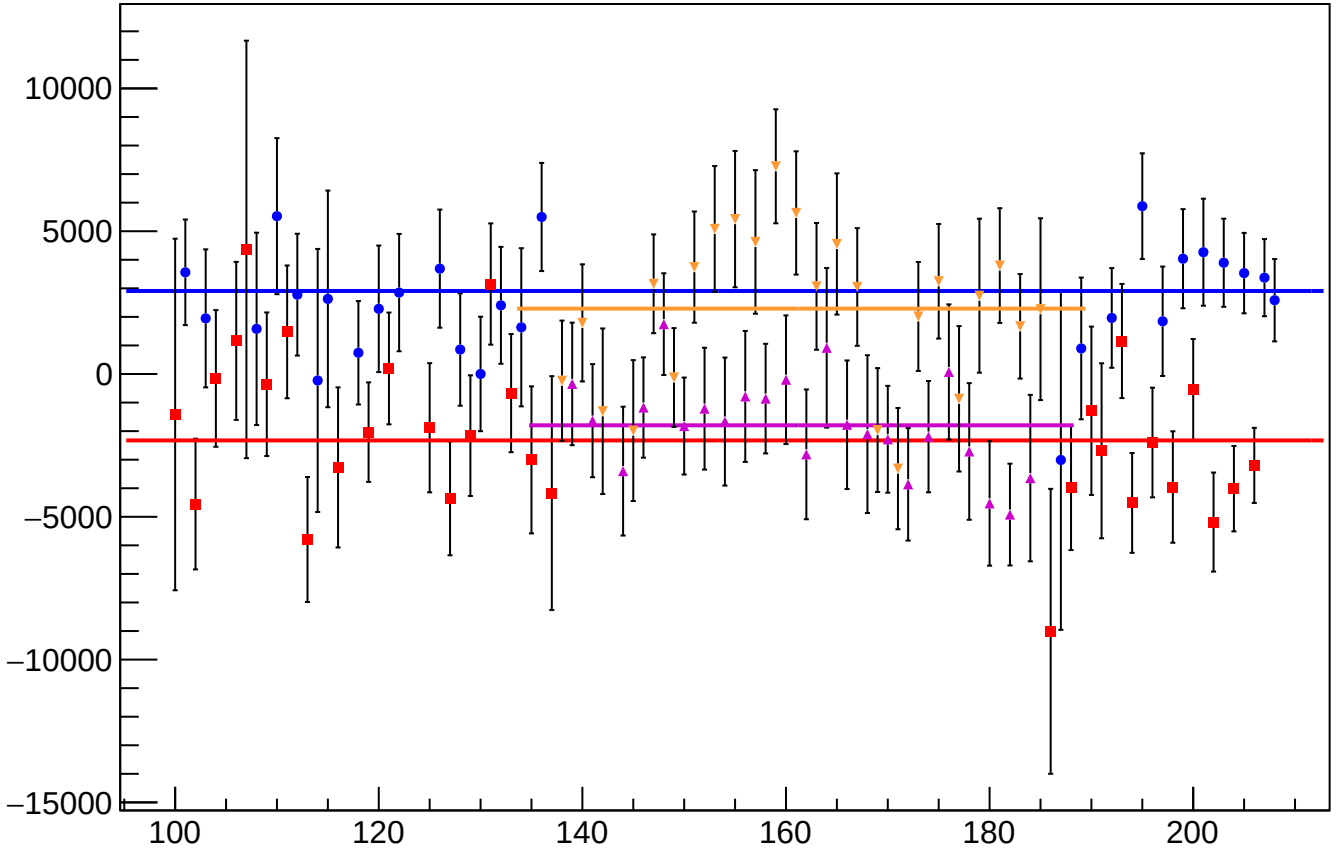
Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

+ sign 1104.355+/-0.141 χ^2/NDF: 6897447.0/50

All: 1132.979+/-0.102 χ^2/NDF: 13406207.8/1

- sign 1164.251+/-0.148 χ^2/NDF: 6422689.1/52

asym_usl_mean vs Slug



Right In: 2907.331+/-383.177 χ^2/NDF: 15.4/26

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

Right Out: -2325.659+/-395.070 χ^2/NDF: 33.7/29

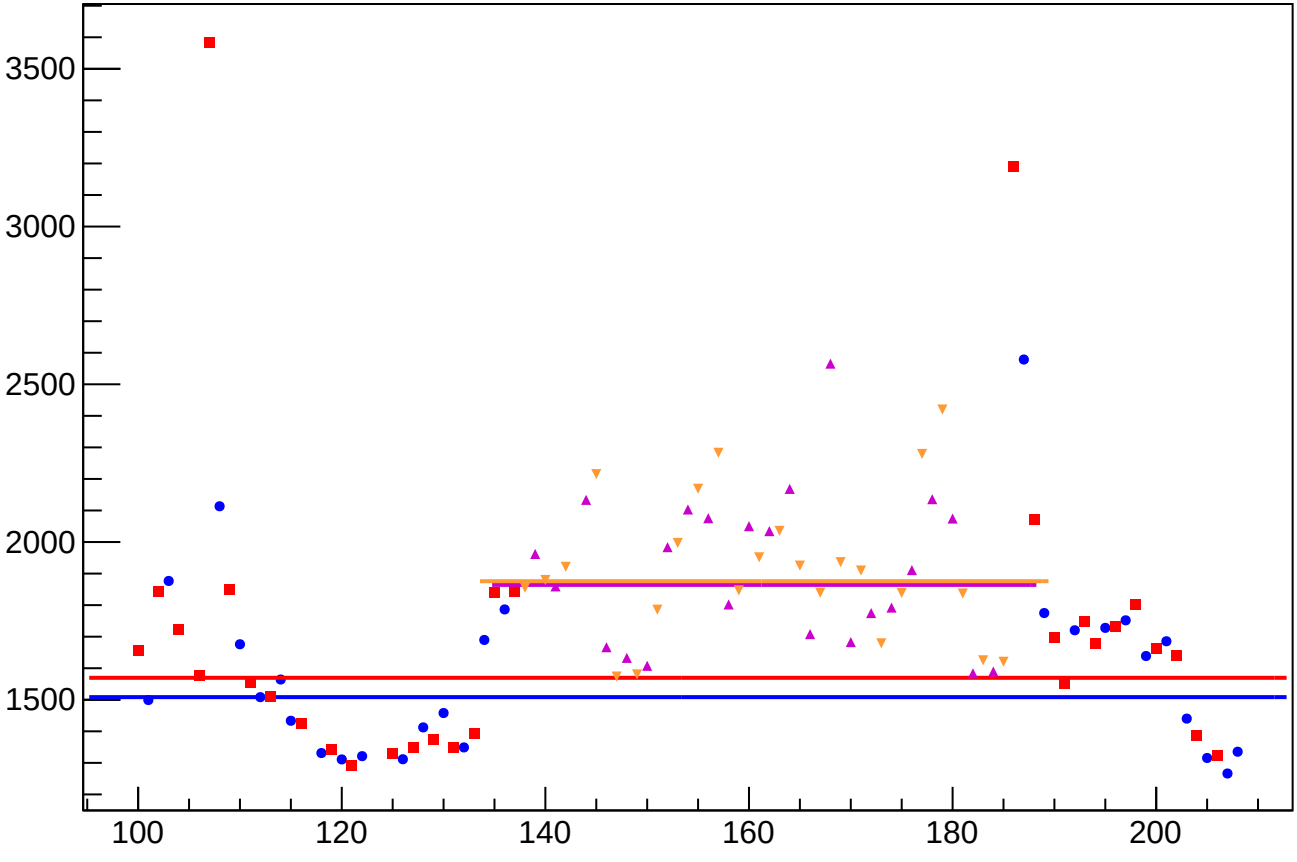
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2640.485+/-288.772 χ^2/NDF: 52.5/50

All: 315.862+/-205.915 χ^2/NDF: 233.1/103

- sign -2088.872+/-293.706 χ^2/NDF: 48.8/52

asym_usl_rms vs Slug



Right In: 1508.375+/-0.271 χ^2/NDF: 600548.3/26

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

Right Out: 1569.661+/-0.279 χ^2/NDF: 922155.2/29

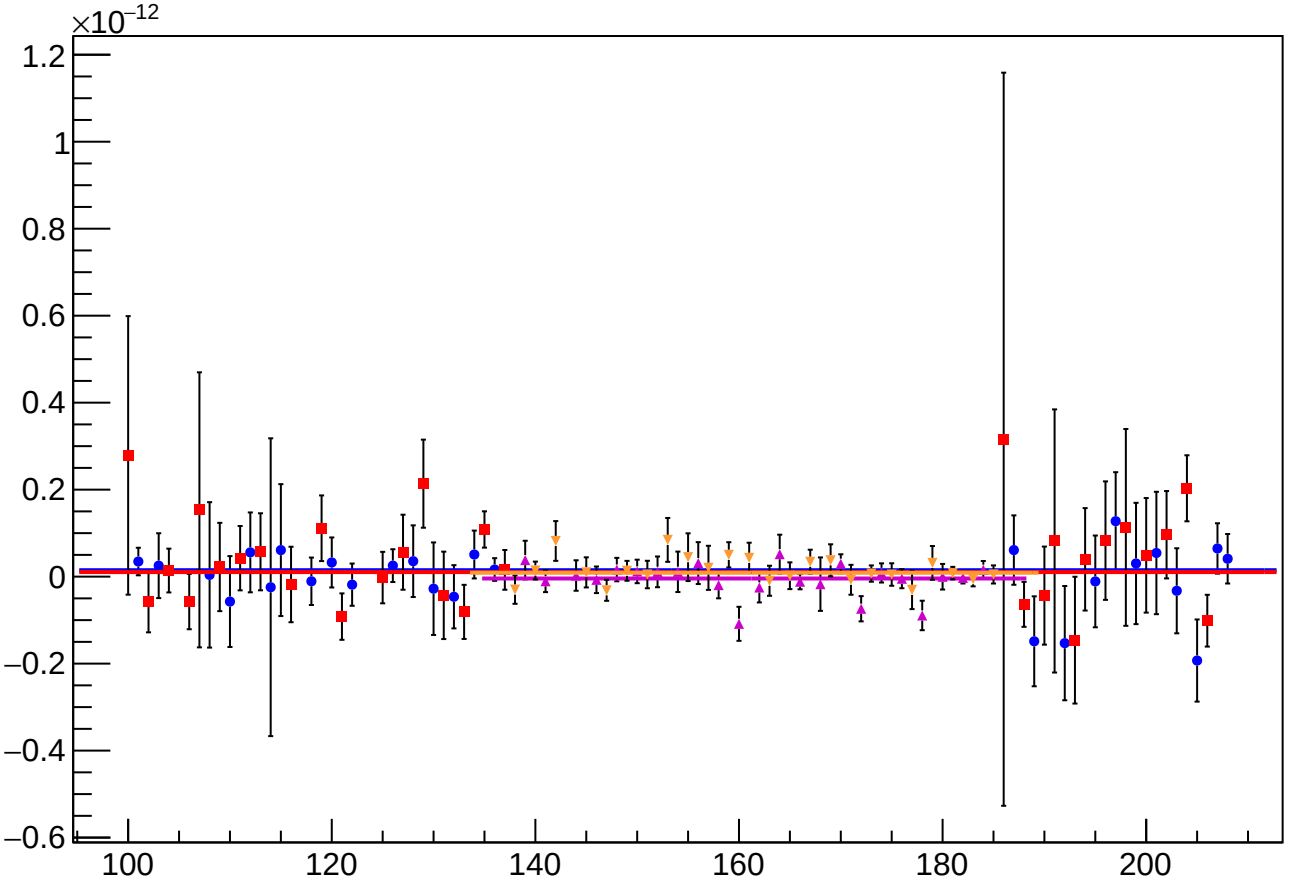
Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

+ sign 1667.129+/-0.204 χ^2/NDF: 1867694.6/50

All: 1683.972+/-0.146 χ^2/NDF: 3811423.3/10

- sign 1701.396+/-0.208 χ^2/NDF: 1929885.7/52

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/26

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

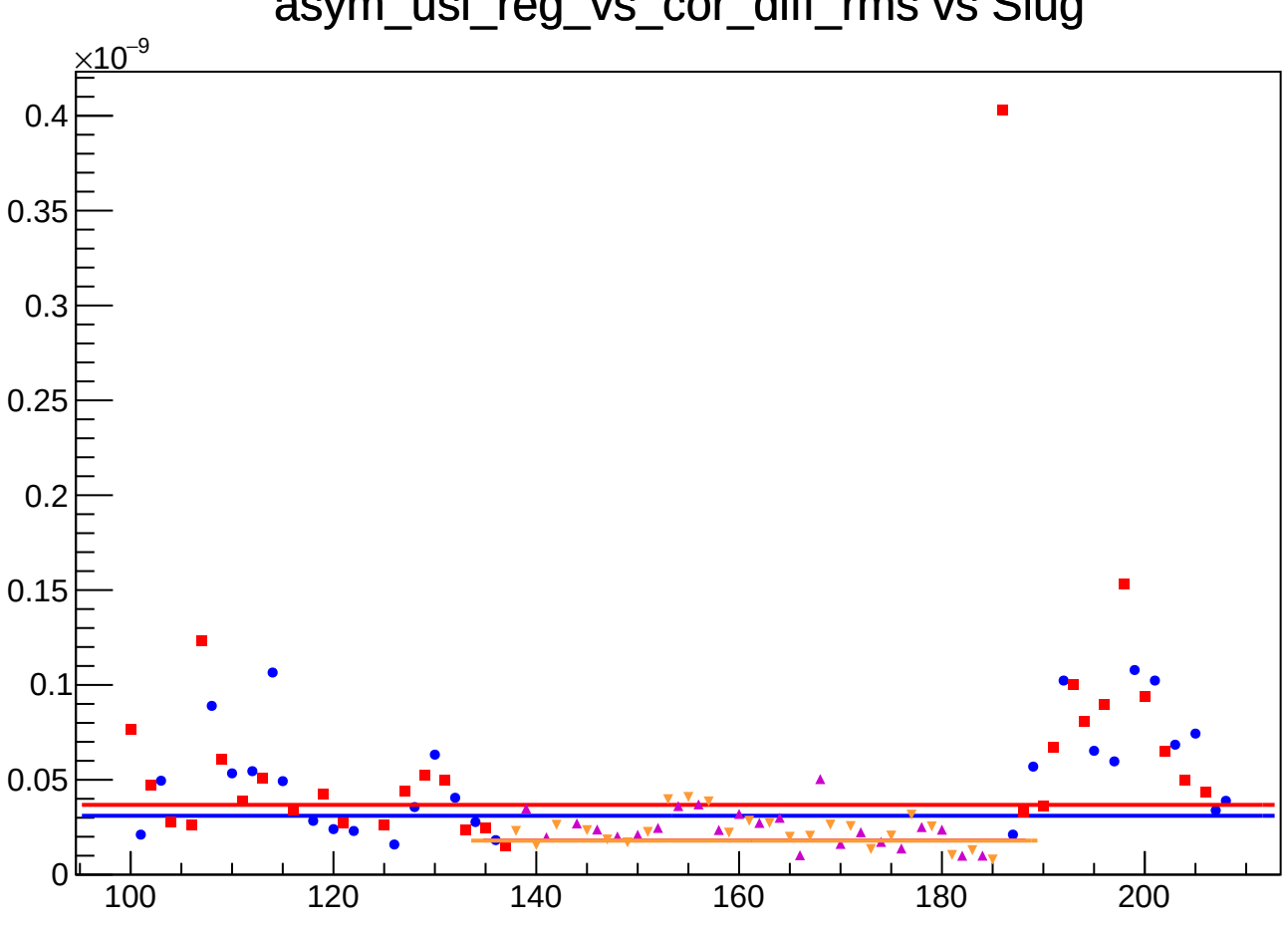
Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/29

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

+ sign 0.000+/-0.000 χ^2/NDF: 31.8/50

All: 0.000+/-0.000 χ^2/NDF: 100.2/103

- sign -0.000+/-0.000 χ^2/NDF: 65.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 4999723.3/26

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

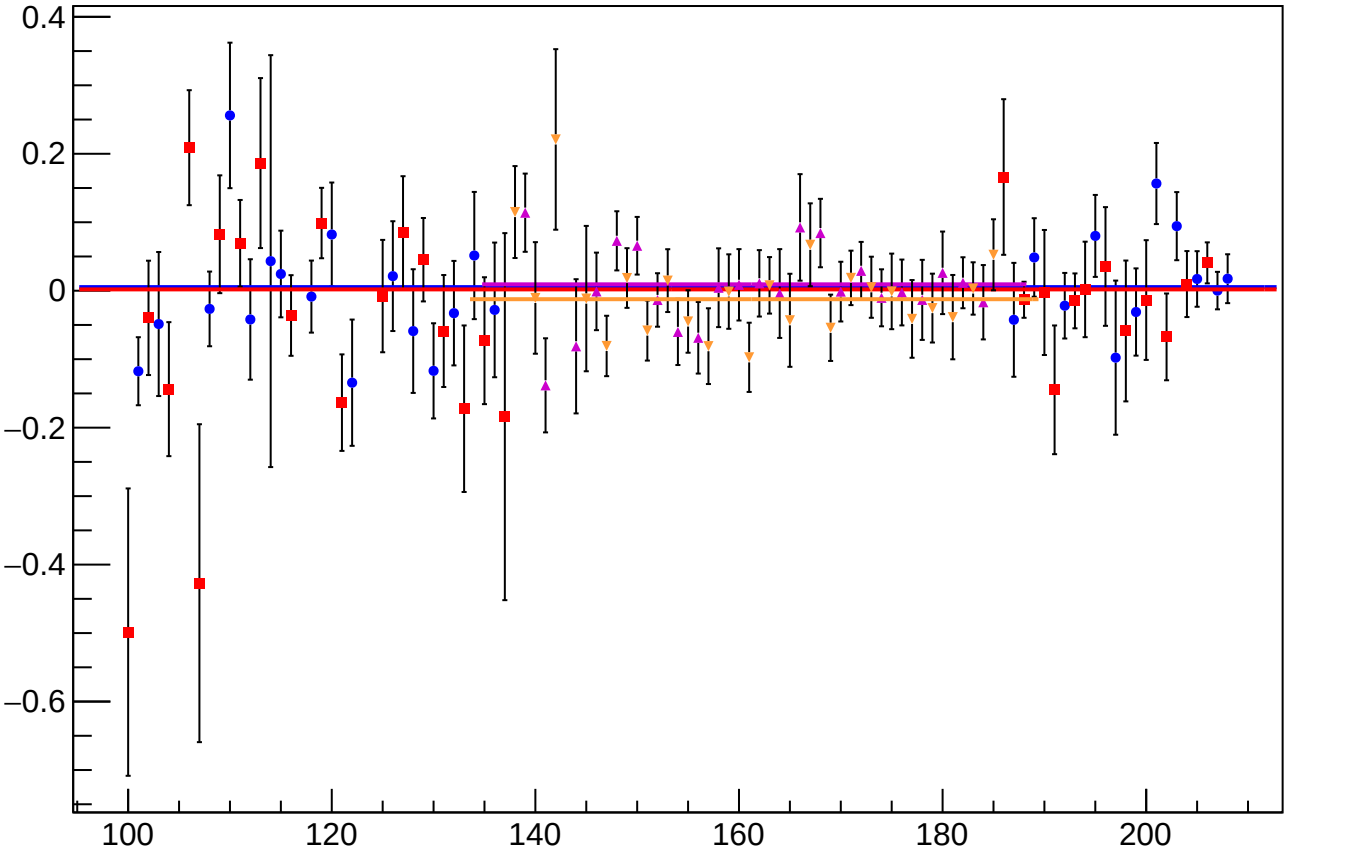
Right Out: 0.000+/-0.000 χ^2/NDF: 3974767.8/29

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

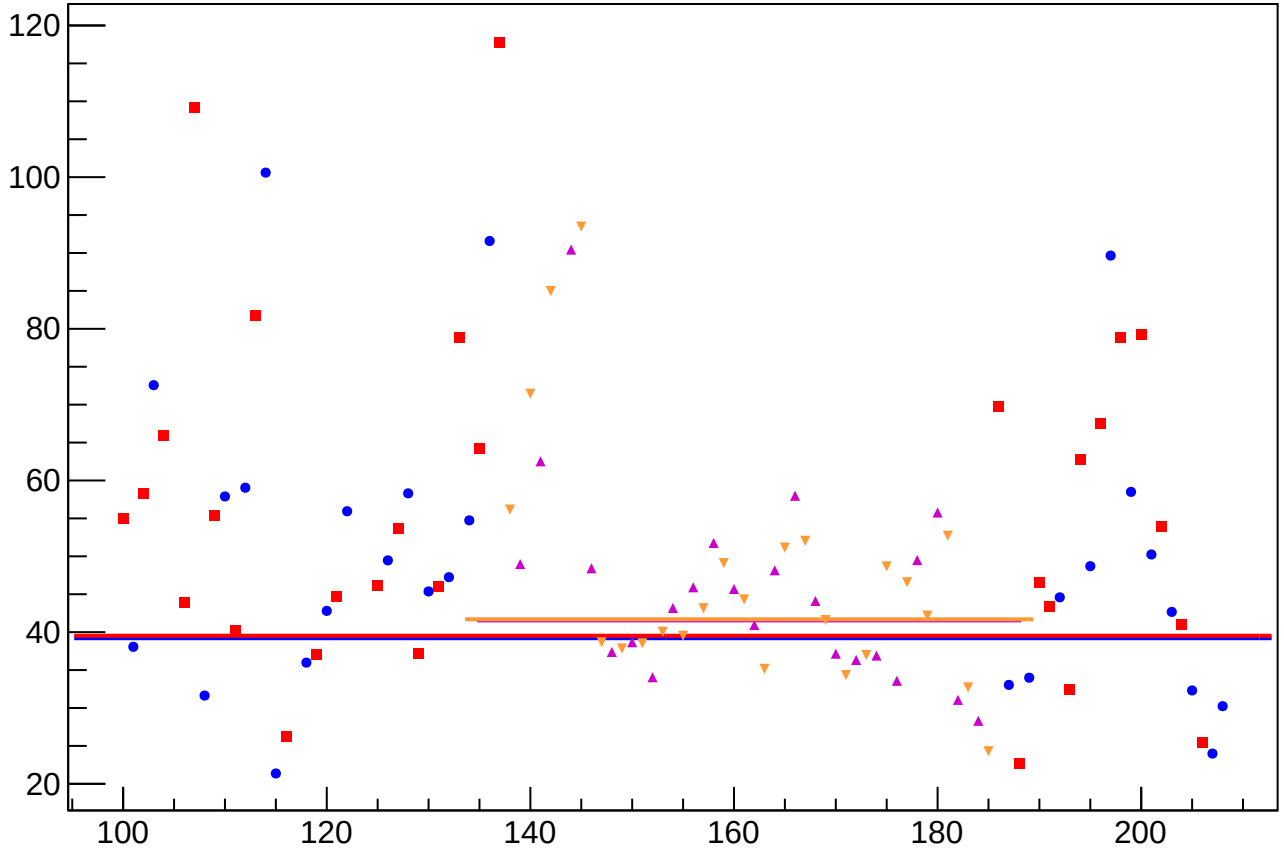
+ sign 0.000+/-0.000 χ^2/NDF: 10442773.7/50

All: 0.000+/-0.000 χ^2/NDF: 21718032.1/103

- sign 0.000+/-0.000 χ^2/NDF: 11269067.6/52


asym_usl_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.005+/-0.011 χ²/NDF: 34.2/26
Left Out: -0.012+/-0.010 χ²/NDF:21.9/23
Right Out: 0.002+/-0.012 χ²/NDF: 45.0/29
Left In: 0.009+/-0.010 χ²/NDF:21.9/22
+ sign -0.004+/-0.008 χ²/NDF: 57.5/50
All: 0.001+/-0.005 χ²/NDF: 125.5/103
- sign 0.006+/-0.008 χ²/NDF: 67.2/52

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 39.202+/-0.008 χ^2/NDF: 3077320.0/26

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

Right Out: 39.525+/-0.008 χ^2/NDF: 4183972.2/29

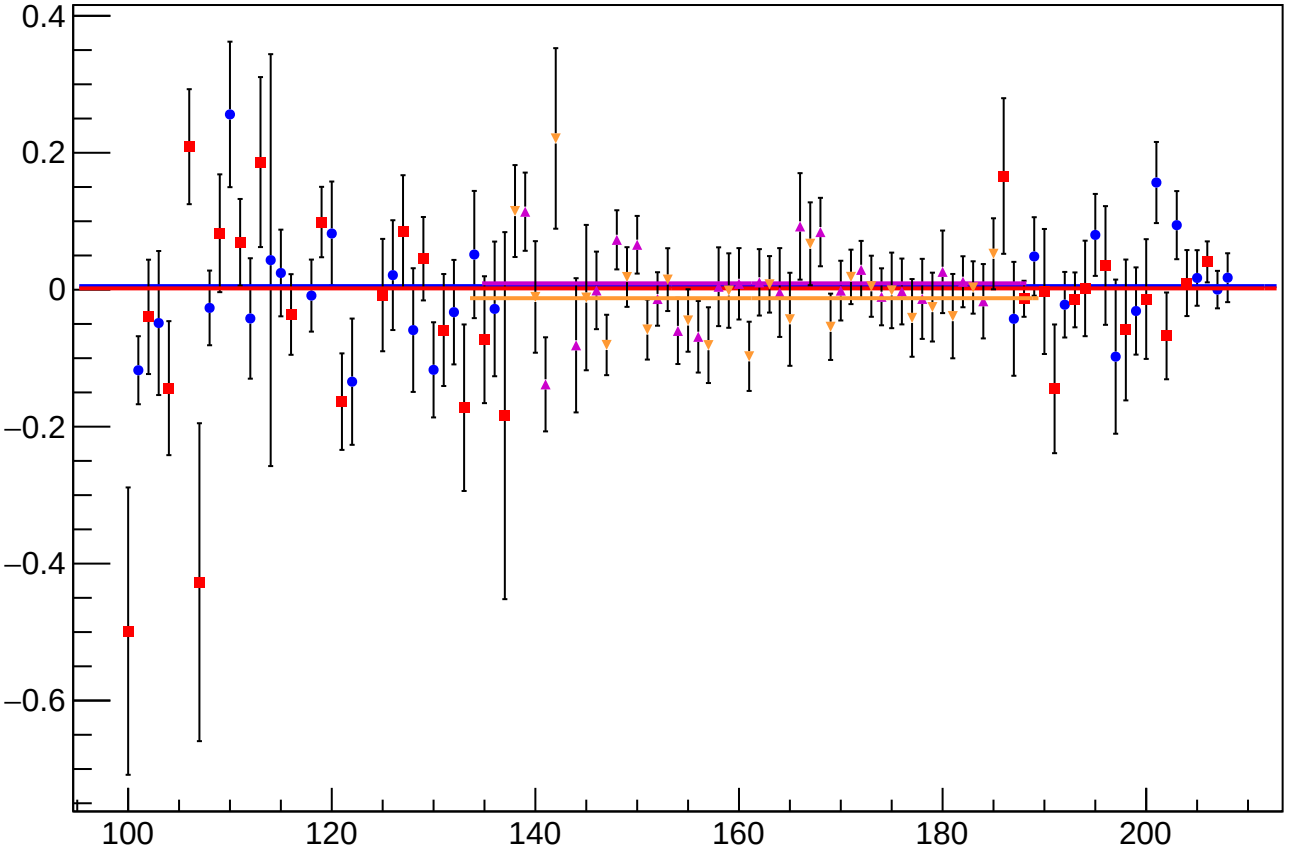
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 40.547+/-0.005 χ^2/NDF: 4951059.2/50

All: 40.595+/-0.004 χ^2/NDF: 10781639.6/103

- sign 40.643+/-0.006 χ^2/NDF: 5830428.7/52

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.011 χ^2/NDF: 34.2/26

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

Right Out: 0.002+/-0.012 χ^2/NDF: 45.0/29

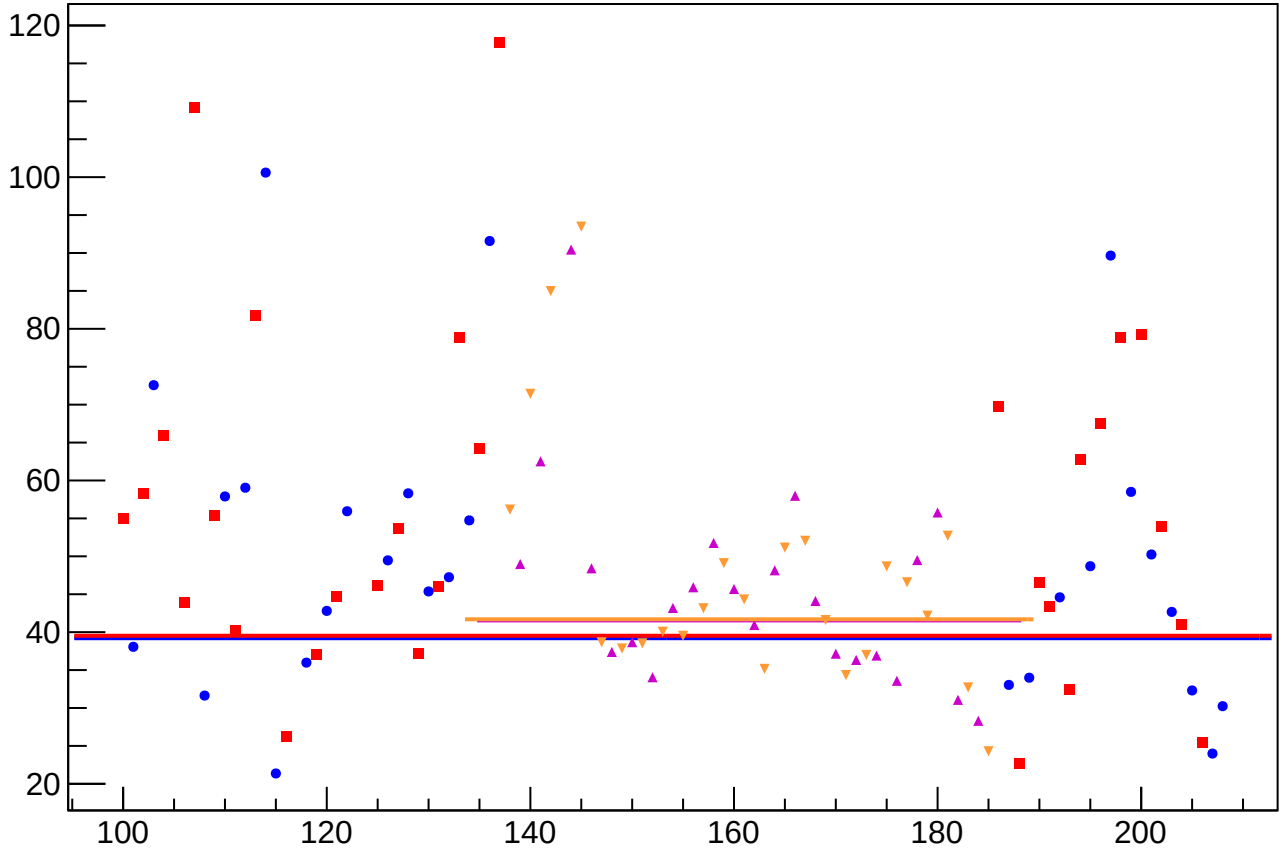
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

\+ sign -0.004+/-0.008 χ^2/NDF: 57.5/50

All: 0.001+/-0.005 χ^2/NDF: 125.5/103

\- sign 0.006+/-0.008 χ^2/NDF: 67.2/52

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.202+/-0.008 χ^2/NDF: 3077320.0/26

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

Right Out: 39.525+/-0.008 χ^2/NDF: 4183972.2/29

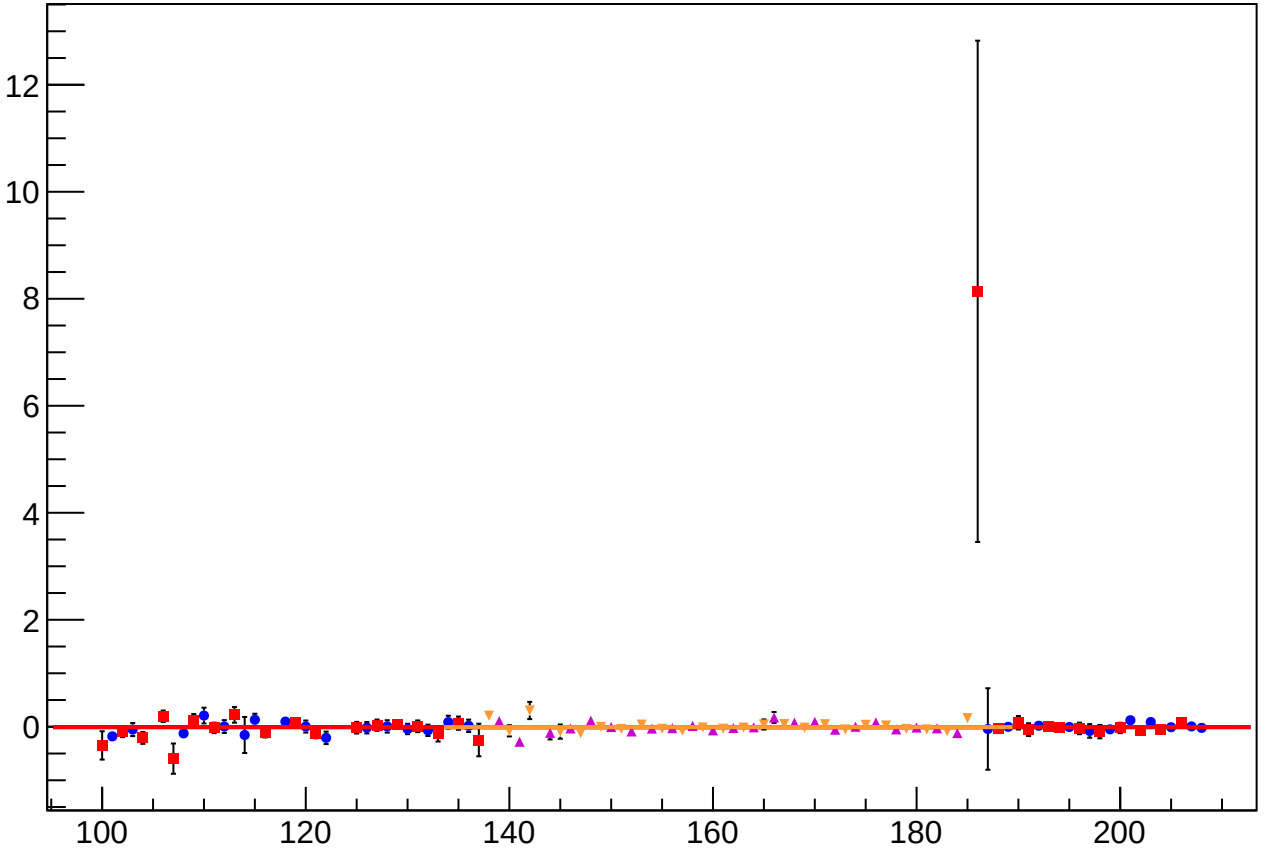
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 40.547+/-0.005 χ^2/NDF: 4951059.2/50

All: 40.595+/-0.004 χ^2/NDF: 10781639.6/103

- sign 40.643+/-0.006 χ^2/NDF: 5830428.7/52

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.006+/-0.016 χ^2/NDF: 24.6/26

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

Right Out: -0.008+/-0.017 χ^2/NDF: 32.2/29

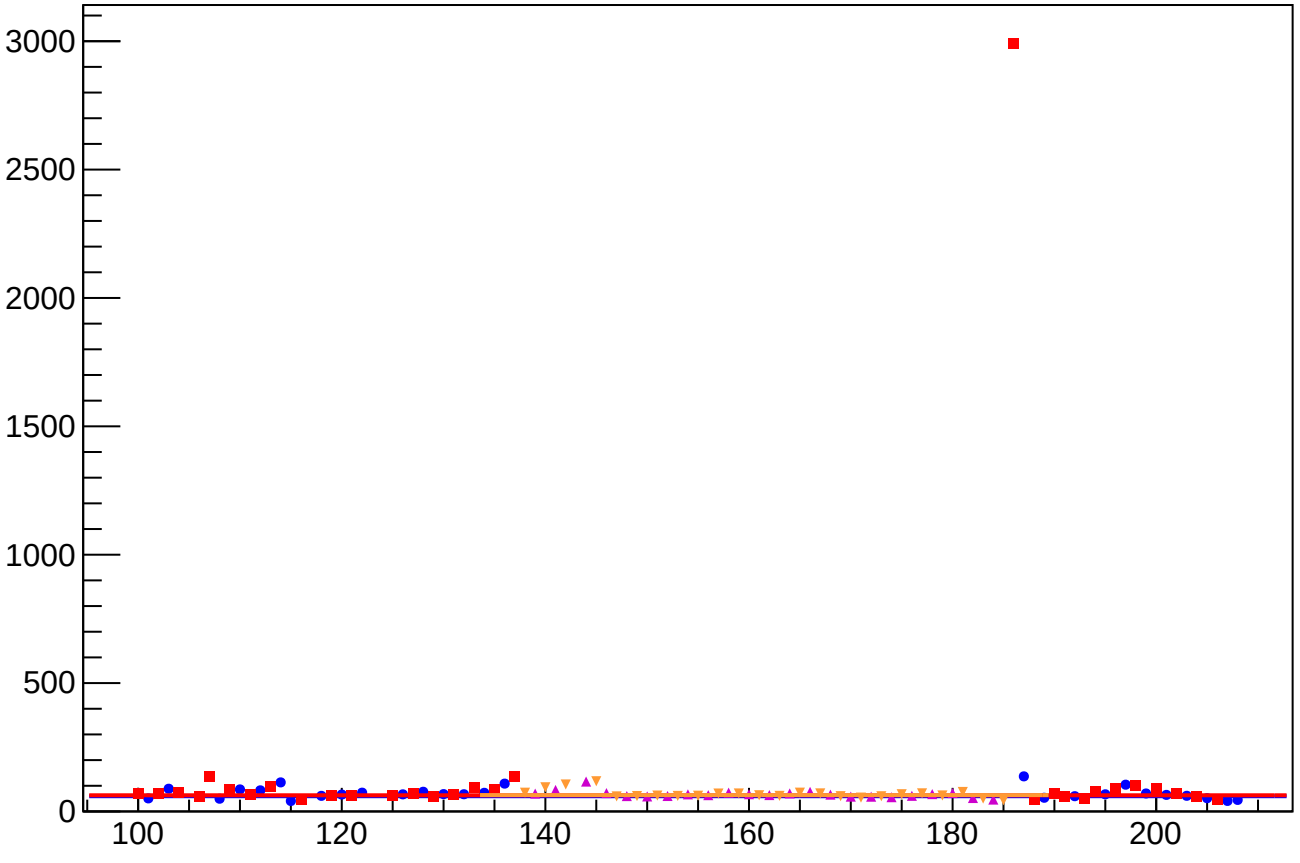
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.007+/-0.011 χ^2/NDF: 48.2/50

All: -0.007+/-0.008 χ^2/NDF: 108.6/103

- sign -0.008+/-0.011 χ^2/NDF: 60.4/52

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 59.387+/-0.011 χ^2/NDF: 1782197.8/26

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

Right Out: 63.022+/-0.012 χ^2/NDF: 2552126.7/29

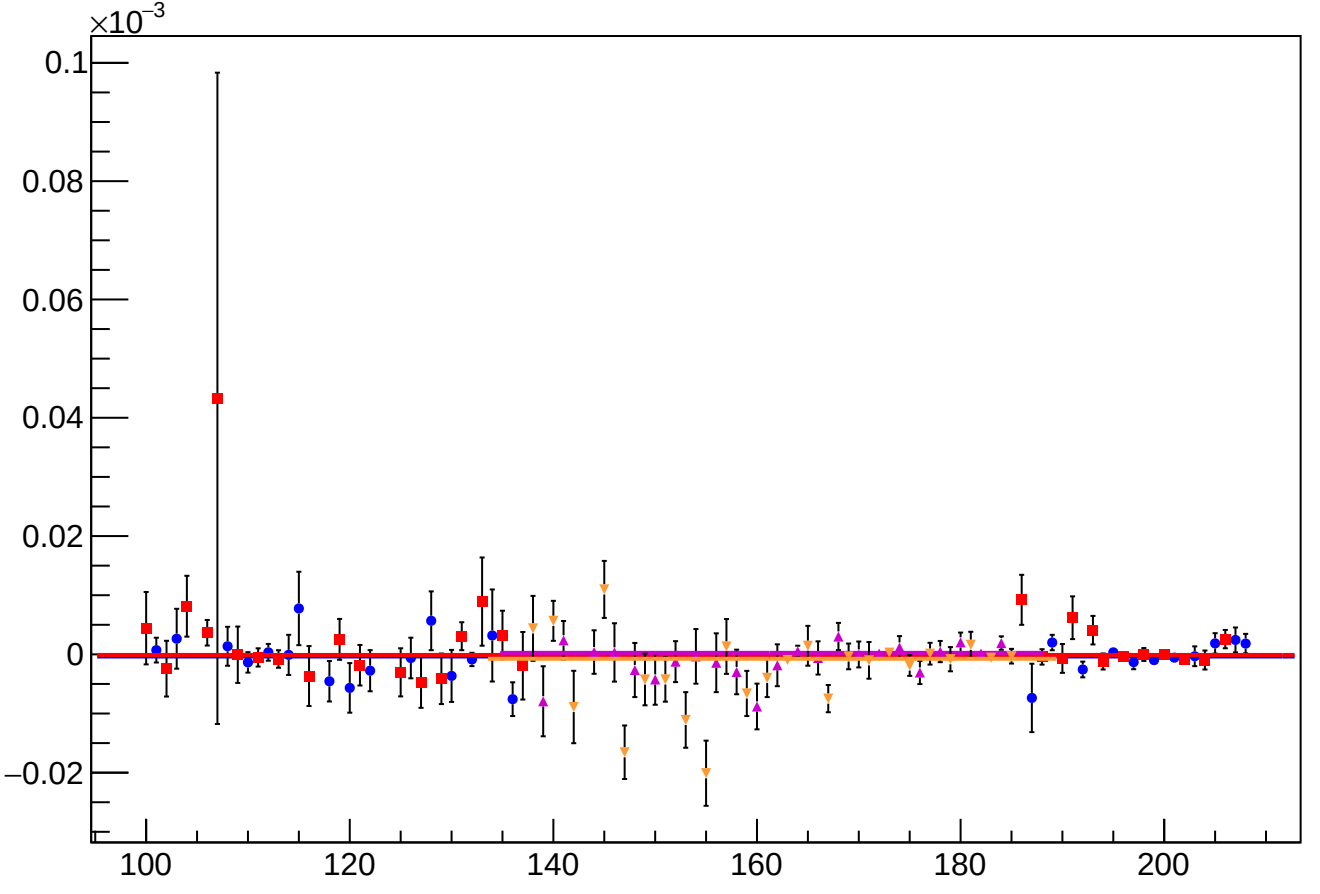
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 61.700+/-0.008 χ^2/NDF: 2937924.6/50

All: 62.614+/-0.006 χ^2/NDF: 6360185.5/103

- sign 63.580+/-0.008 χ^2/NDF: 3394768.9/52

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 32.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/29

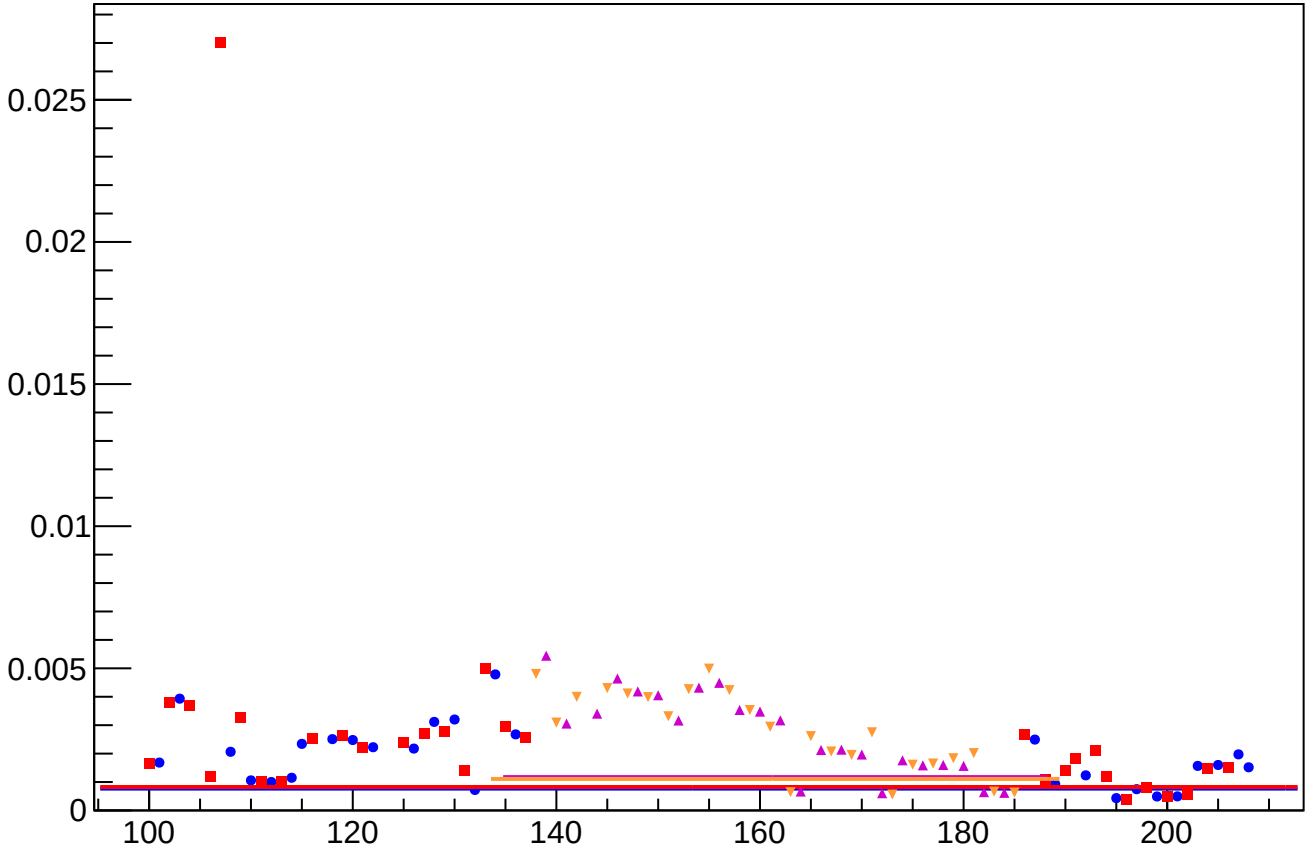
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 93.1/50

All: -0.000+/-0.000 χ^2/NDF: 147.3/103

- sign 0.000+/-0.000 χ^2/NDF: 51.1/52

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10123381.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 10566712.2/29

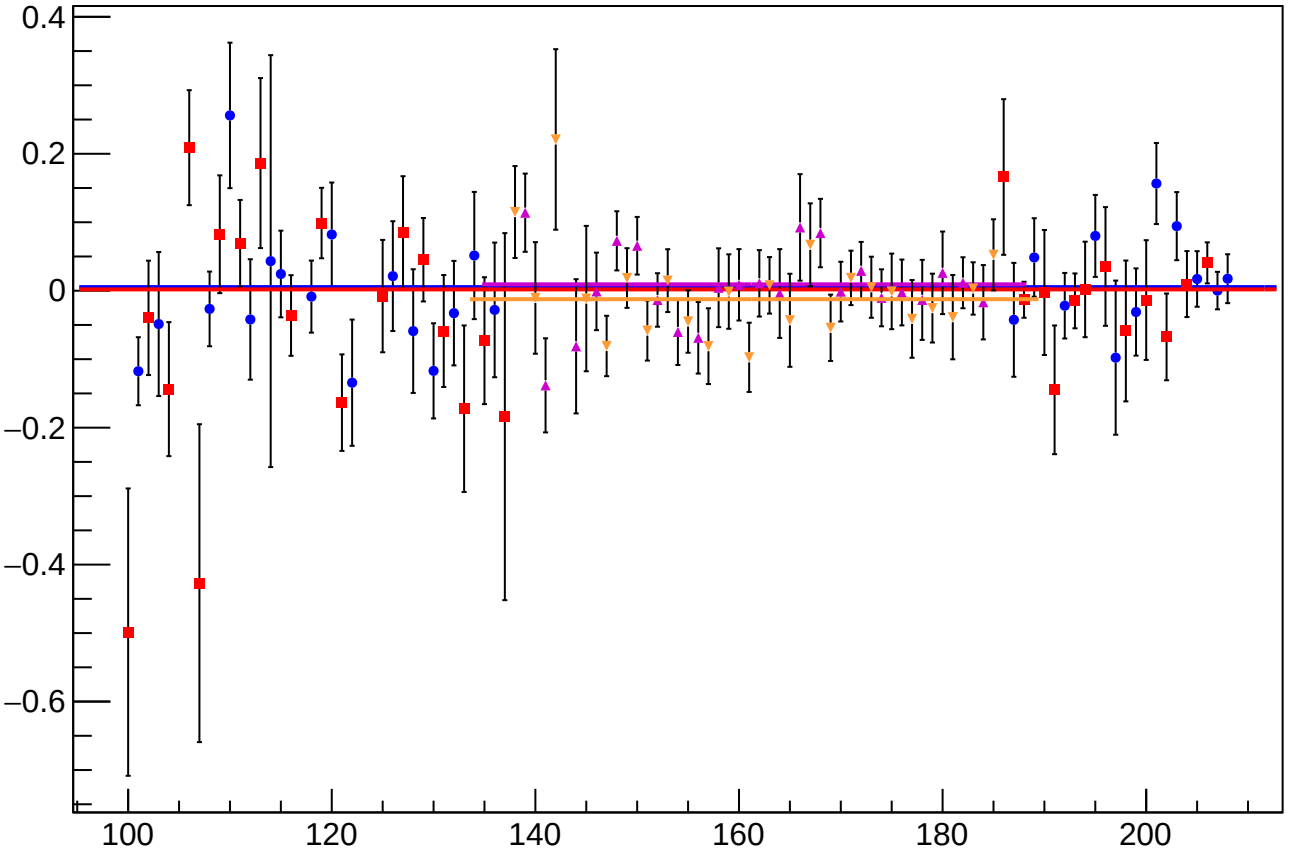
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 26592948.2/50

All: 0.001+/-0.000 χ^2/NDF: 52715551.2/103

- sign 0.001+/-0.000 χ^2/NDF: 26025525.7/52

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.011 χ^2/NDF: 34.2/26

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

Right Out: 0.002+/-0.012 χ^2/NDF: 45.0/29

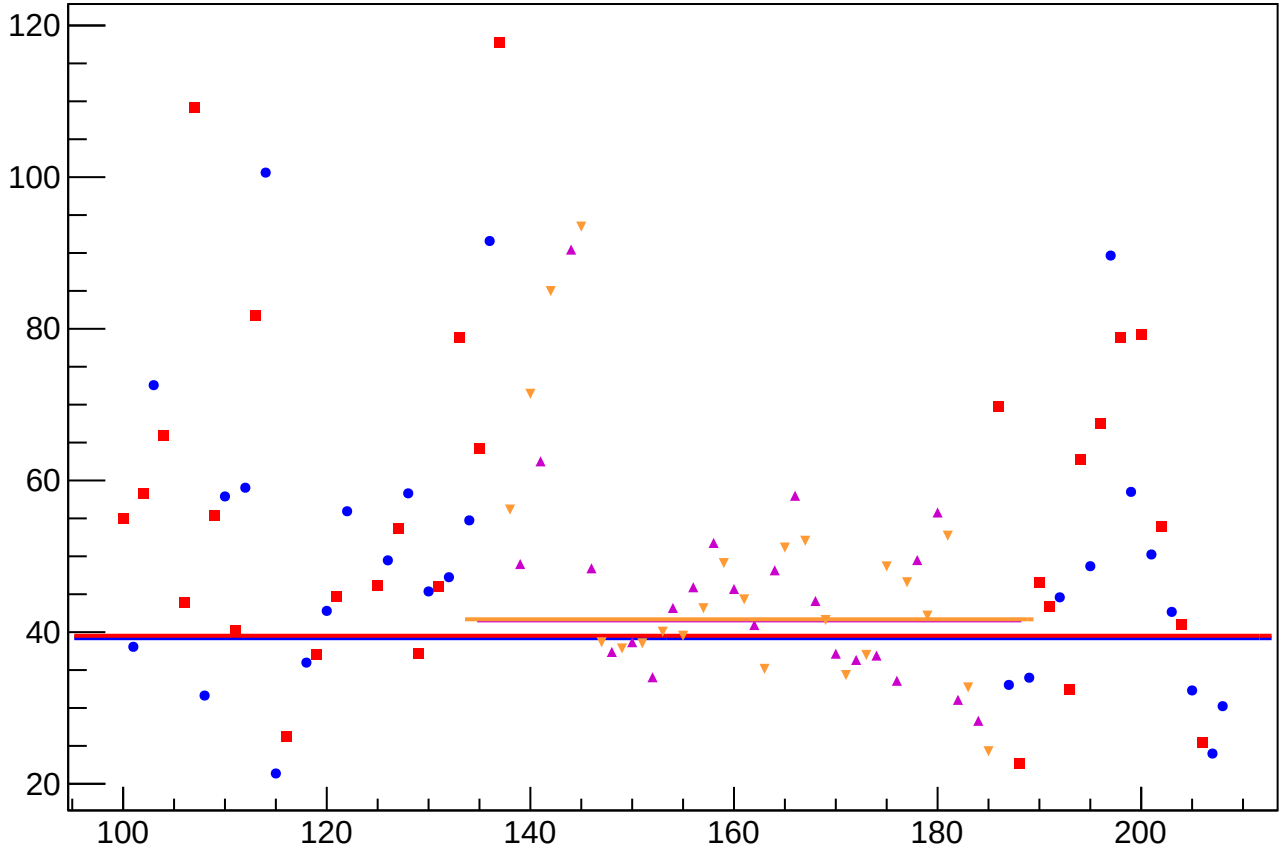
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

\+ sign -0.004+/-0.008 χ^2/NDF: 57.5/50

All: 0.001+/-0.005 χ^2/NDF: 125.5/103

\- sign 0.006+/-0.008 χ^2/NDF: 67.2/52

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.202+/-0.008 χ^2/NDF: 3077303.5/26

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 39.525+/-0.008 χ^2/NDF: 4183874.0/29

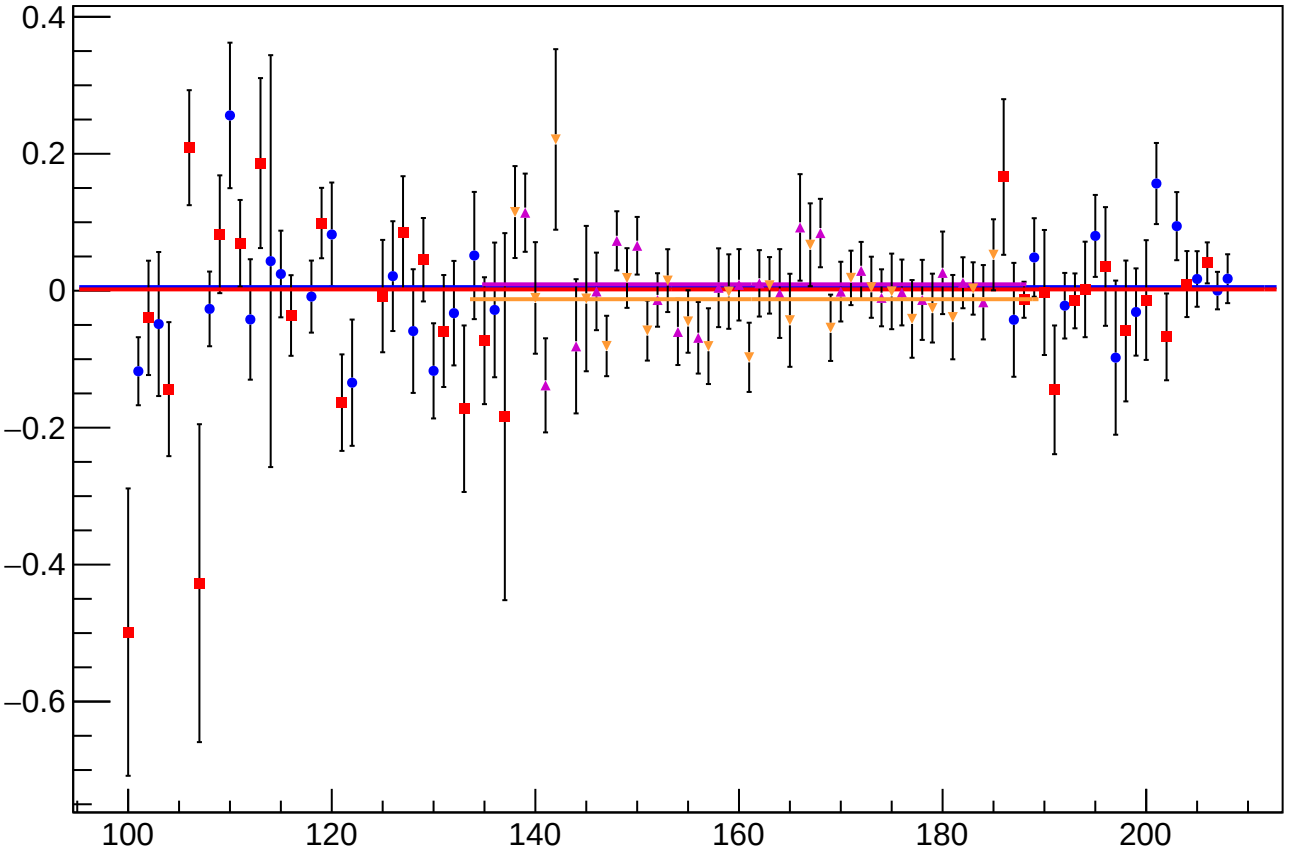
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 40.547+/-0.005 χ^2/NDF: 4951019.2/50

All: 40.595+/-0.004 χ^2/NDF: 10781475.1/103

- sign 40.643+/-0.006 χ^2/NDF: 5830303.7/52

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.011 χ^2/NDF: 34.2/26

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

Right Out: 0.002+/-0.012 χ^2/NDF: 45.0/29

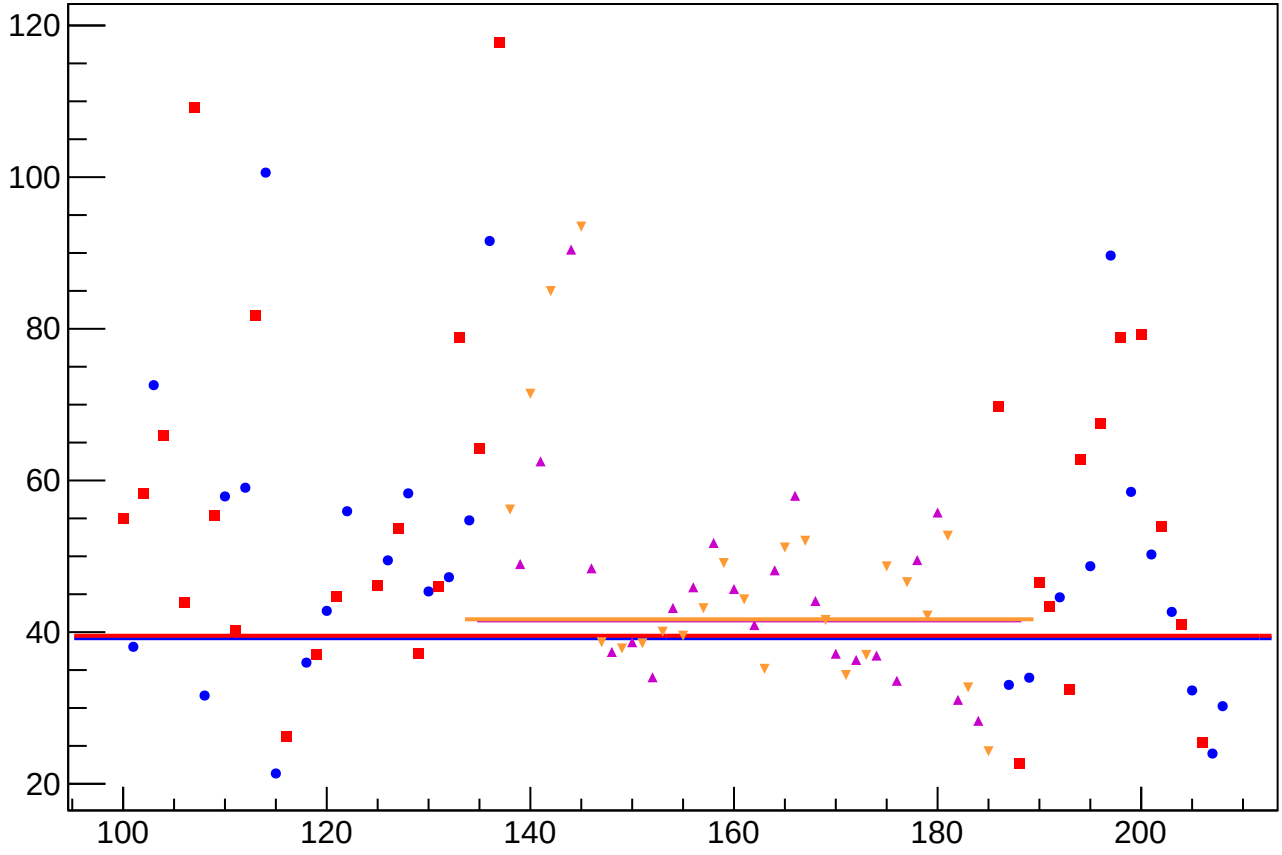
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

\+ sign -0.004+/-0.008 χ^2/NDF: 57.5/50

All: 0.001+/-0.005 χ^2/NDF: 125.5/103

\- sign 0.006+/-0.008 χ^2/NDF: 67.2/52

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.202+/-0.008 χ^2/NDF: 3077303.5/26

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 39.525+/-0.008 χ^2/NDF: 4183874.0/29

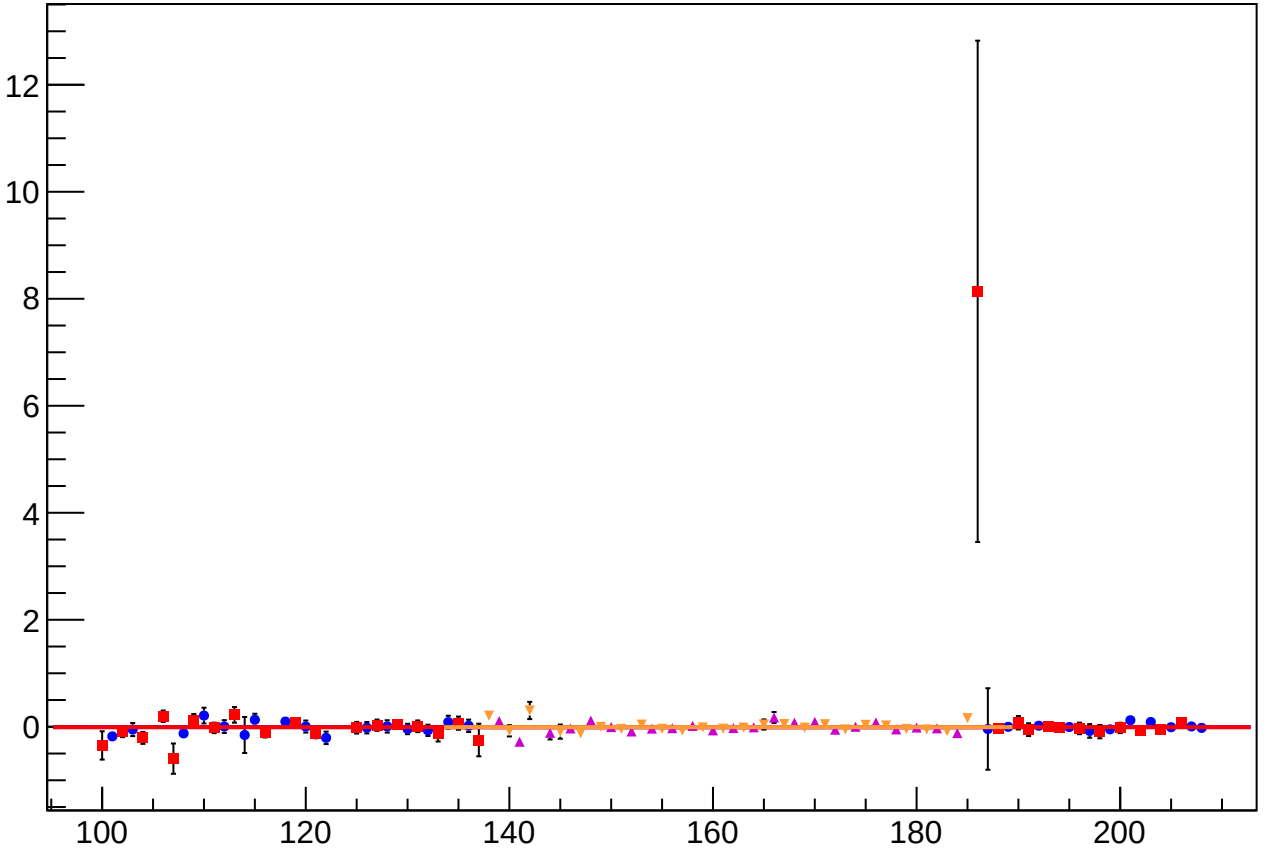
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 40.547+/-0.005 χ^2/NDF: 4951019.2/50

All: 40.595+/-0.004 χ^2/NDF: 10781475.1/103

- sign 40.643+/-0.006 χ^2/NDF: 5830303.7/52

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.006+/-0.016 χ^2/NDF: 24.6/26

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

Right Out: -0.008+/-0.017 χ^2/NDF: 32.2/29

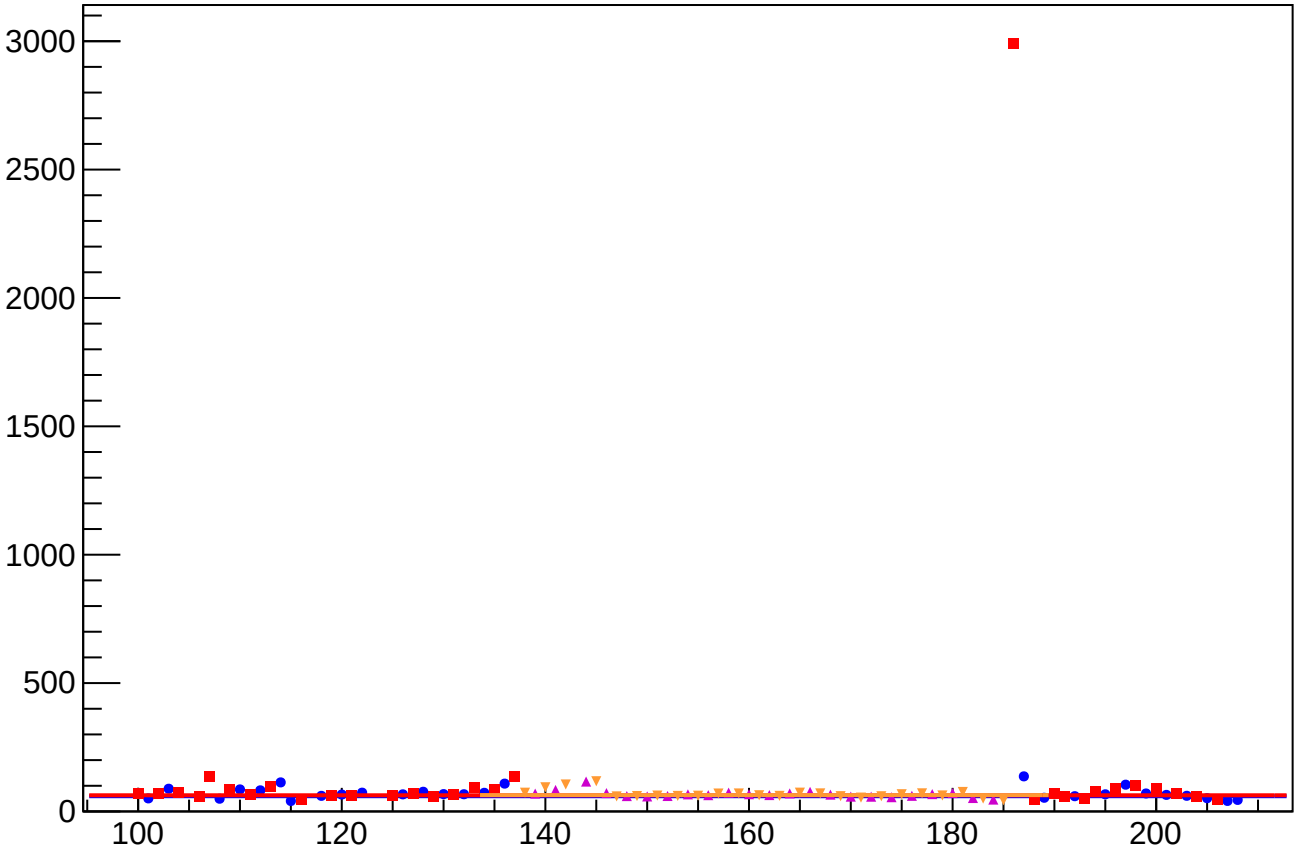
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.007+/-0.011 χ^2/NDF: 48.2/50

All: -0.007+/-0.008 χ^2/NDF: 108.6/103

- sign -0.008+/-0.011 χ^2/NDF: 60.4/52

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 59.387+/-0.011 χ^2/NDF: 1782188.8/26

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 63.022+/-0.012 χ^2/NDF: 2552099.9/29

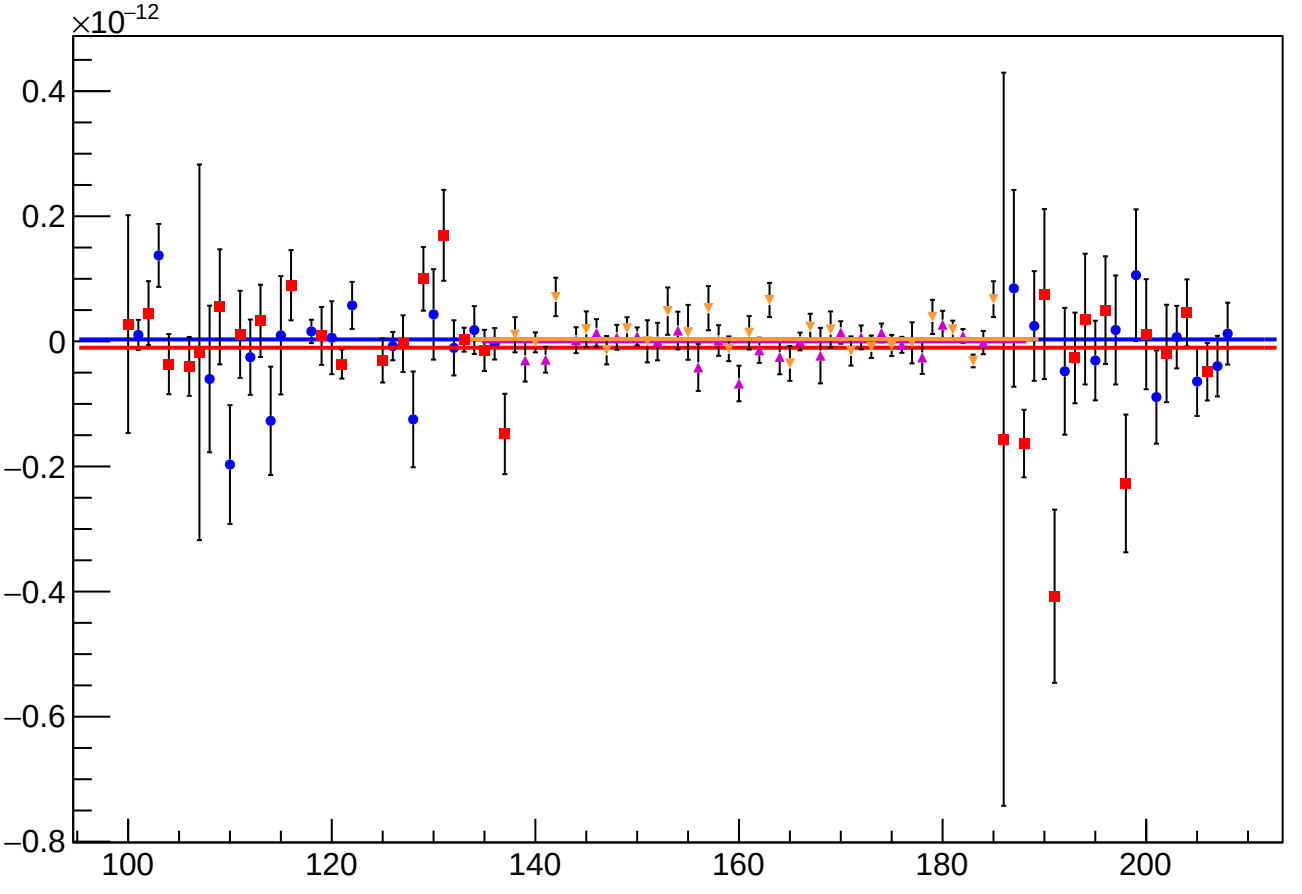
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 61.700+/-0.008 χ^2/NDF: 2937911.0/50

All: 62.614+/-0.006 χ^2/NDF: 6360143.3/103

- sign 63.580+/-0.008 χ^2/NDF: 3394740.2/52

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 47.1/29

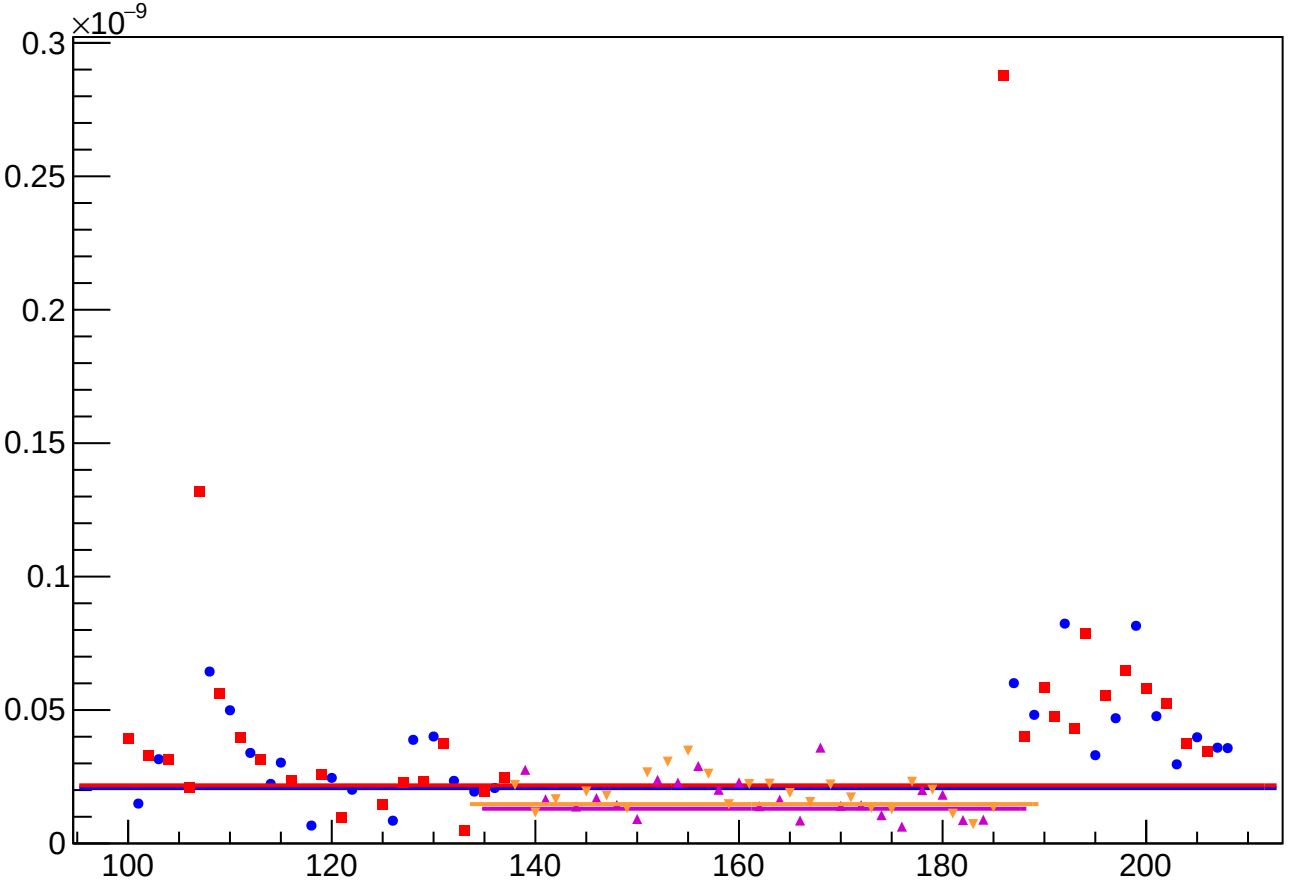
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.9/50

All: 0.000+/-0.000 χ^2/NDF: 133.2/103

- sign -0.000+/-0.000 χ^2/NDF: 65.3/52

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5706256.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6448676.3/29

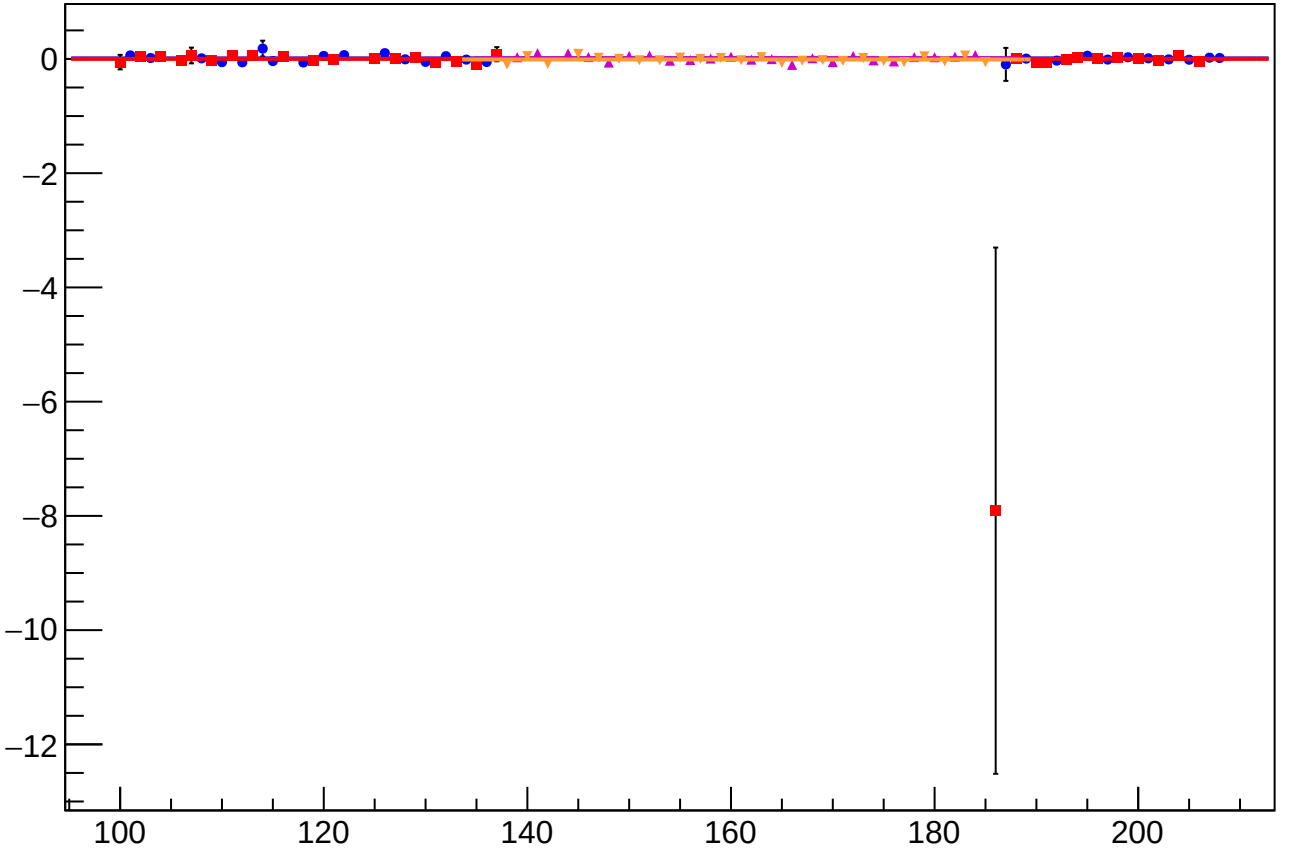
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10040781.3/50

All: 0.000+/-0.000 χ^2/NDF: 22167749.7/103

- sign 0.000+/-0.000 χ^2/NDF: 11961150.4/52

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.008 χ^2/NDF: 19.5/26

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.002+/-0.008 χ^2/NDF: 24.4/29

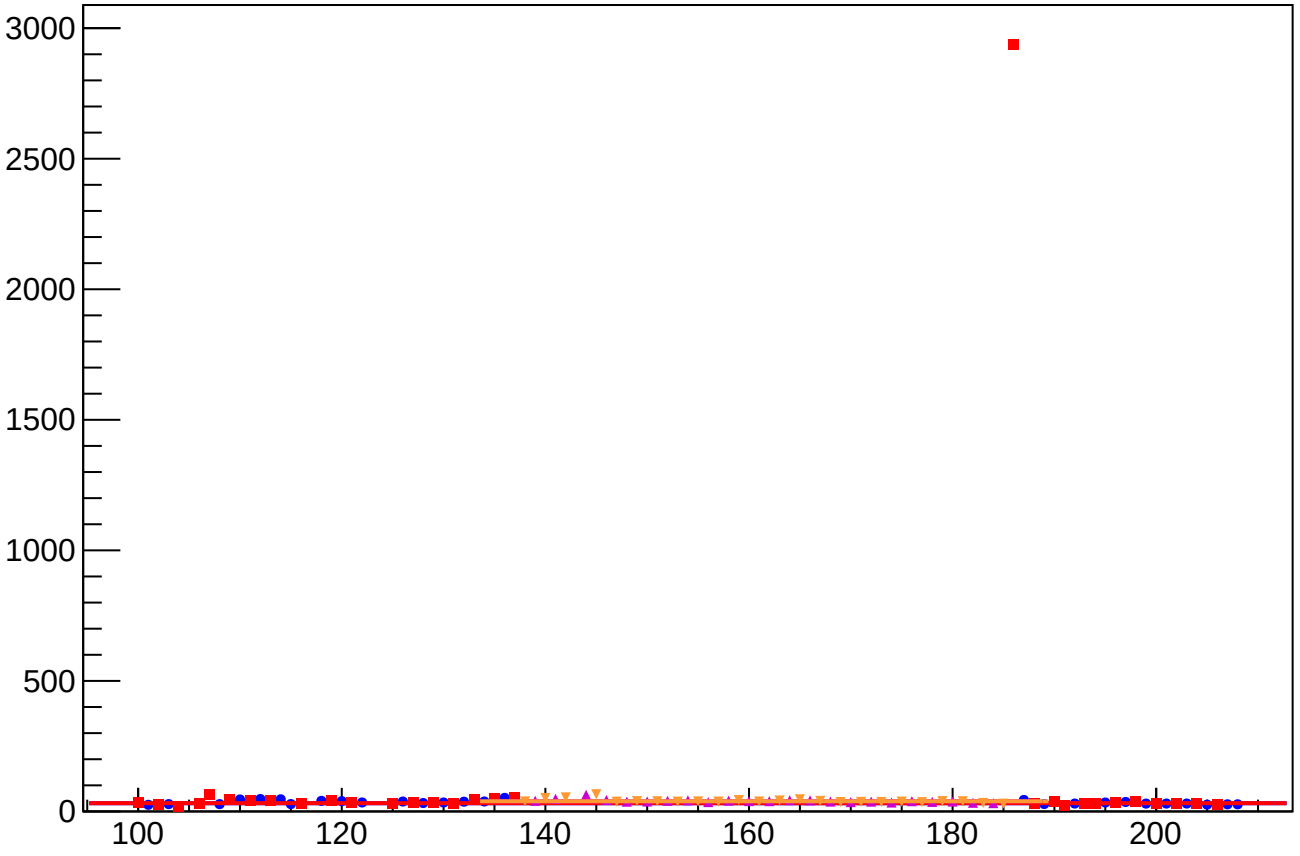
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign 0.001+/-0.006 χ^2/NDF: 41.2/50

All: 0.003+/-0.004 χ^2/NDF: 89.6/103

- sign 0.006+/-0.006 χ^2/NDF: 48.1/52

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 31.430+/-0.006 χ^2/NDF: 917150.3/26

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

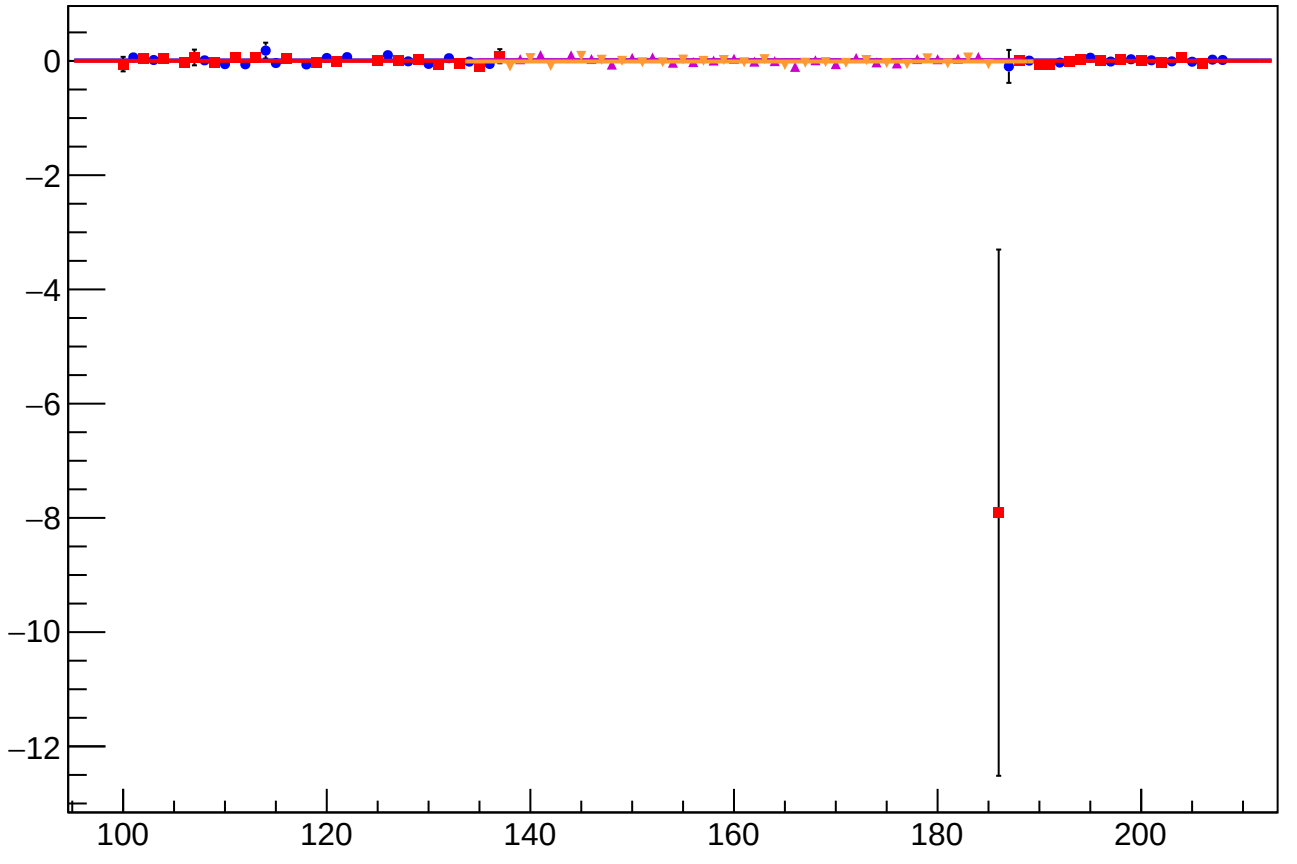
Right Out: 31.755+/-0.006 χ^2/NDF: 1959363.4/29

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

\+ sign 34.775+/-0.004 χ^2/NDF: 2248571.1/50

All: 34.901+/-0.003 χ^2/NDF: 5405441.1/103

\- sign 35.030+/-0.004 χ^2/NDF: 3155244.2/52



Right In: 0.009+/-0.008 χ^2/NDF: 19.5/26

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.002+/-0.008 χ^2/NDF: 24.4/29

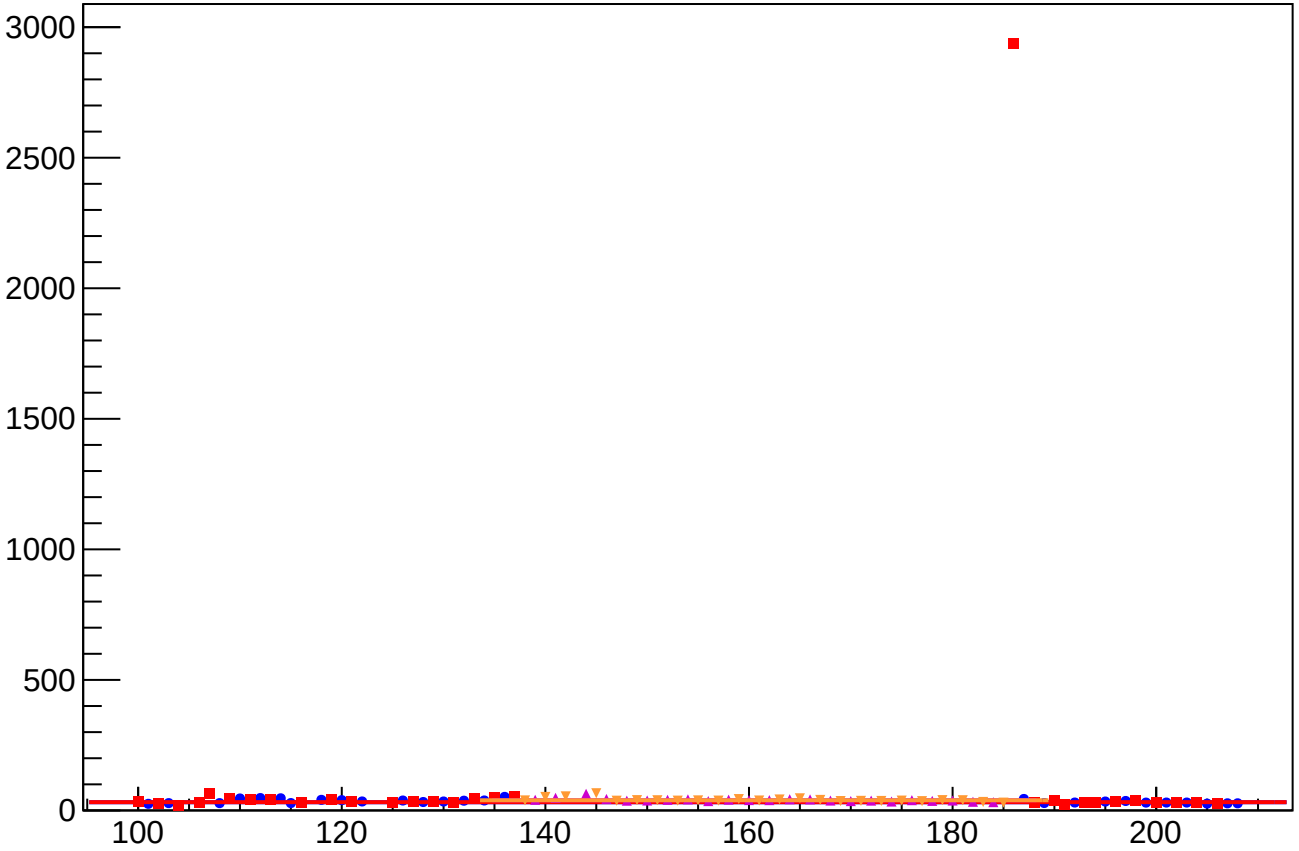
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign 0.001+/-0.006 χ^2/NDF: 41.2/50

All: 0.003+/-0.004 χ^2/NDF: 89.6/103

- sign 0.006+/-0.006 χ^2/NDF: 48.1/52

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 31.430+/-0.006 χ^2/NDF: 917150.3/26

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.755+/-0.006 χ^2/NDF: 1959363.4/29

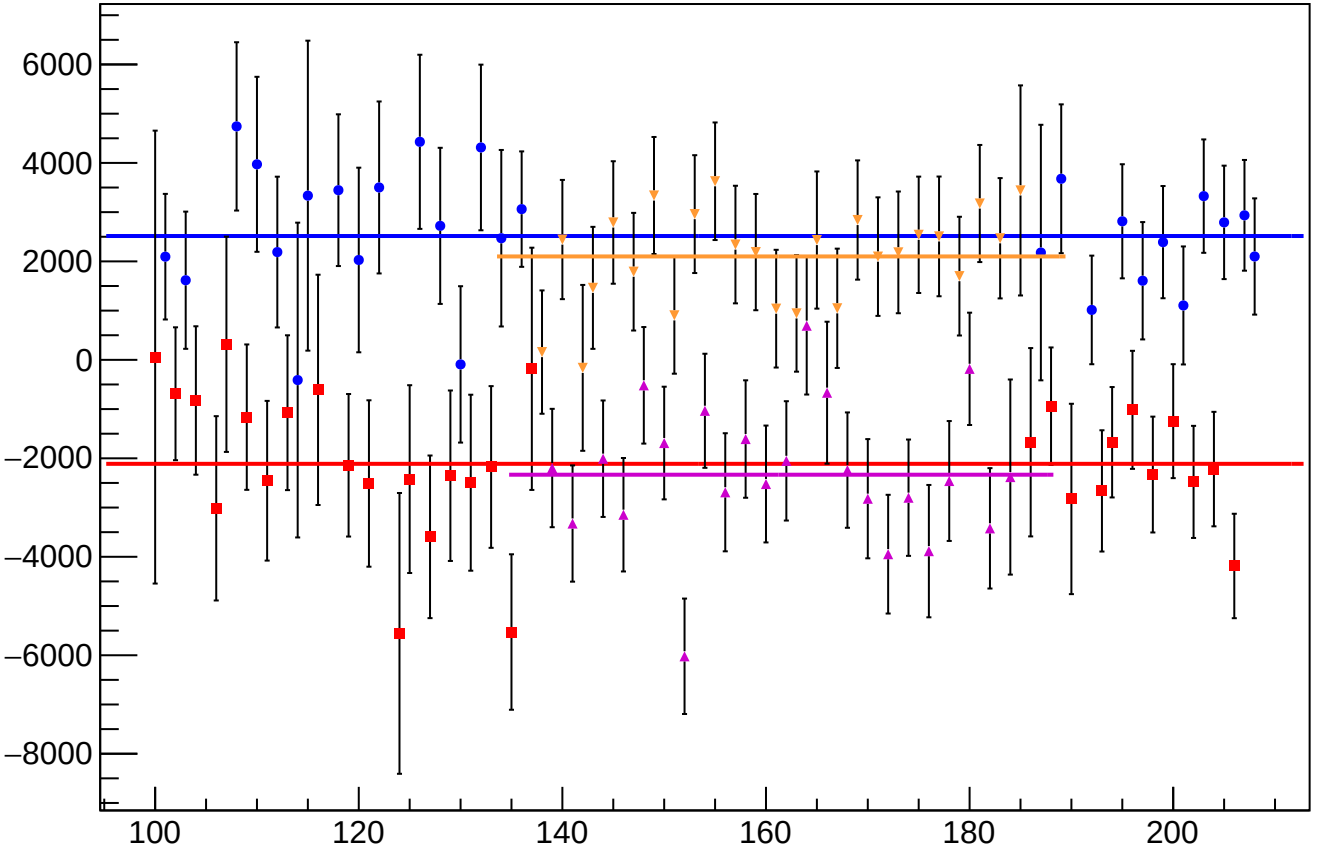
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

\+ sign 34.775+/-0.004 χ^2/NDF: 2248571.1/50

All: 34.901+/-0.003 χ^2/NDF: 5405441.1/103

\- sign 35.030+/-0.004 χ^2/NDF: 3155244.2/52

reg_asym_usr_mean vs Slug



Right In: 2515.293+/-274.283 χ^2/NDF: 15.2/26

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2111.860+/-273.212 χ^2/NDF: 19.4/29

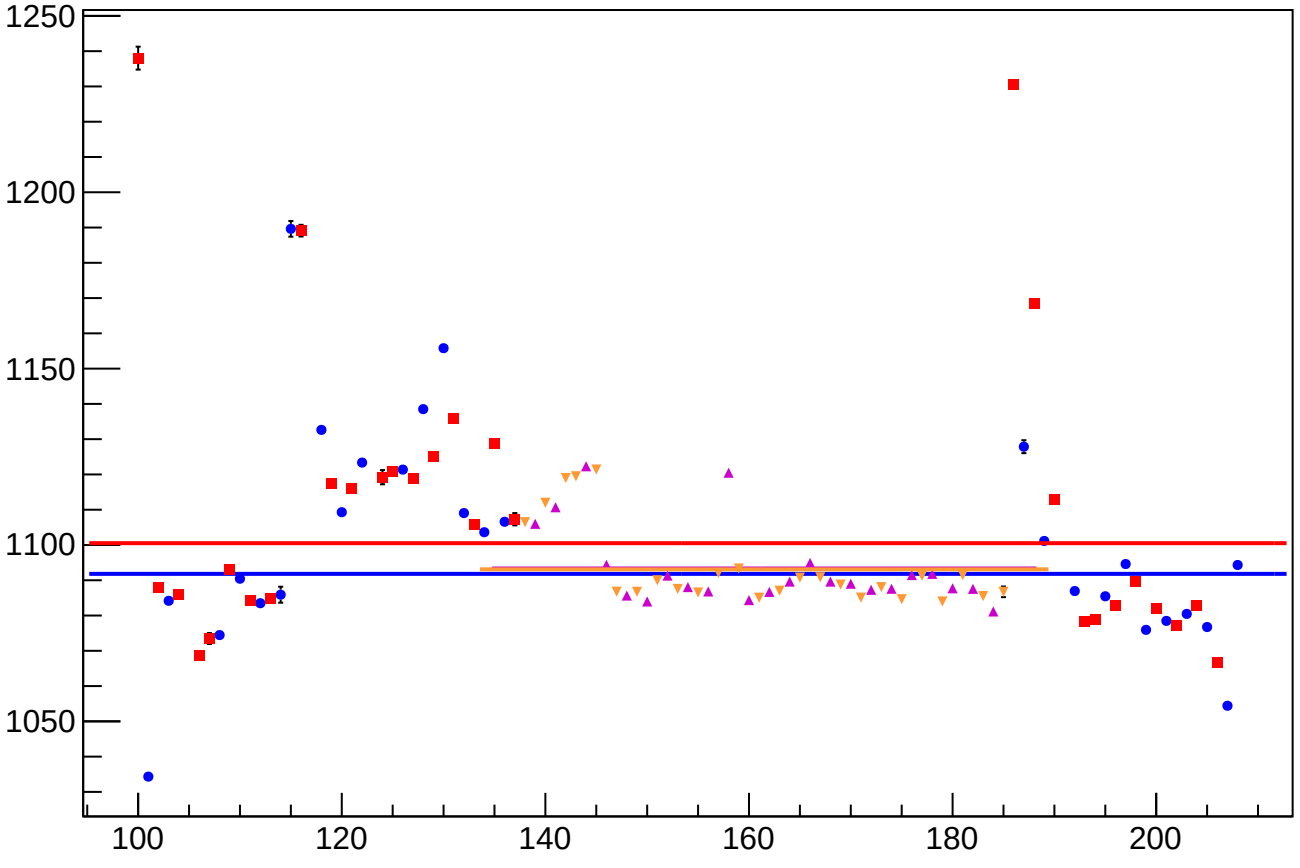
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2287.274+/-184.079 χ^2/NDF: 30.2/51

All: 58.550+/-131.021 χ^2/NDF: 376.6/104

- sign -2229.899+/-186.529 χ^2/NDF: 49.3/52

reg_asym_usr_rms vs Slug



Right In: 1091.814+/-0.194 χ^2/NDF: 18675.4/26

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1100.514+/-0.193 χ^2/NDF: 30888.6/29

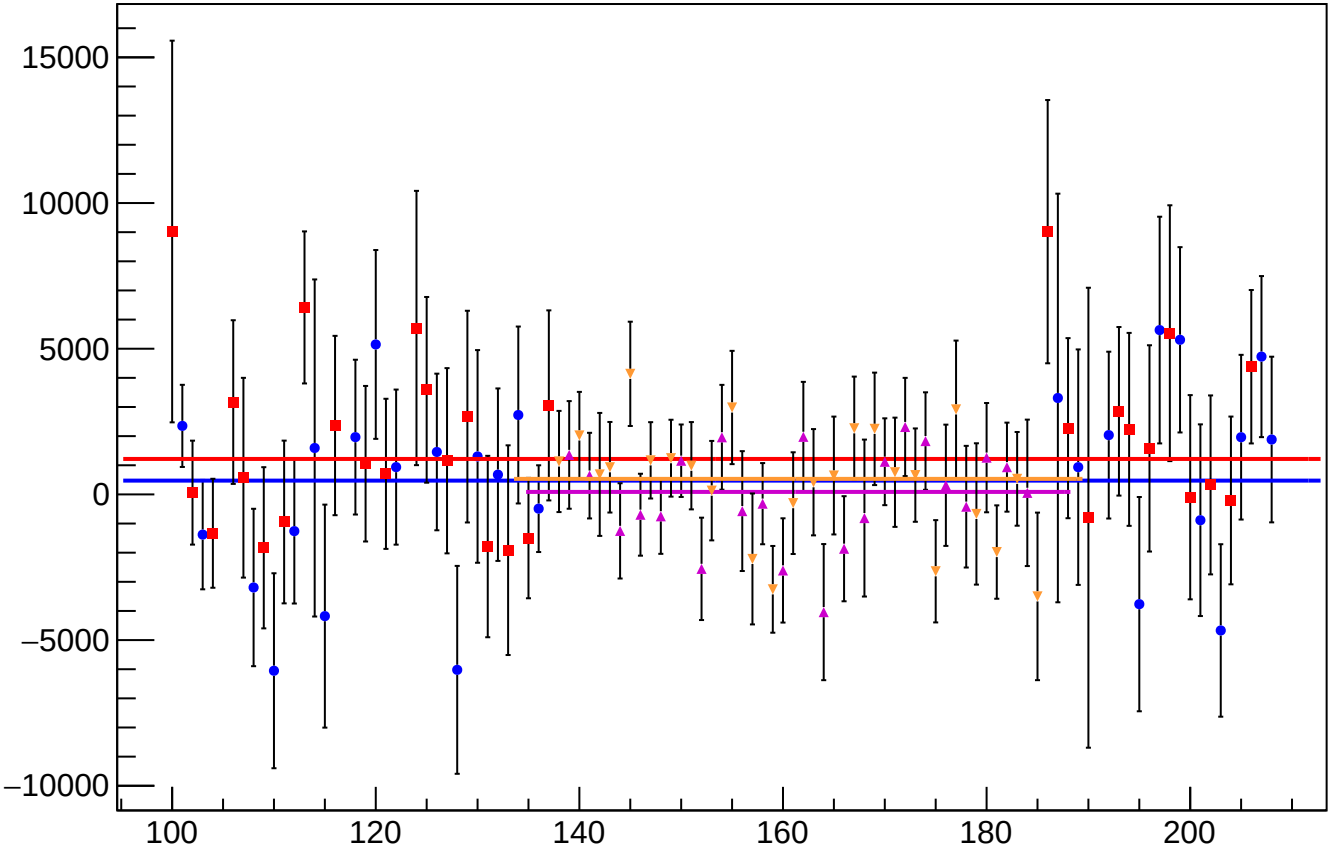
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1092.522+/-0.130 χ^2/NDF: 22682.8/51

All: 1094.575+/-0.093 χ^2/NDF: 58538.0/104

- sign 1096.683+/-0.132 χ^2/NDF: 35350.9/52

asym_usr_reg_correction_mean vs Slug



Right In: 473.296+/-523.681 χ^2/NDF: 29.3/26

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1216.966+/-540.011 χ^2/NDF: 22.0/29

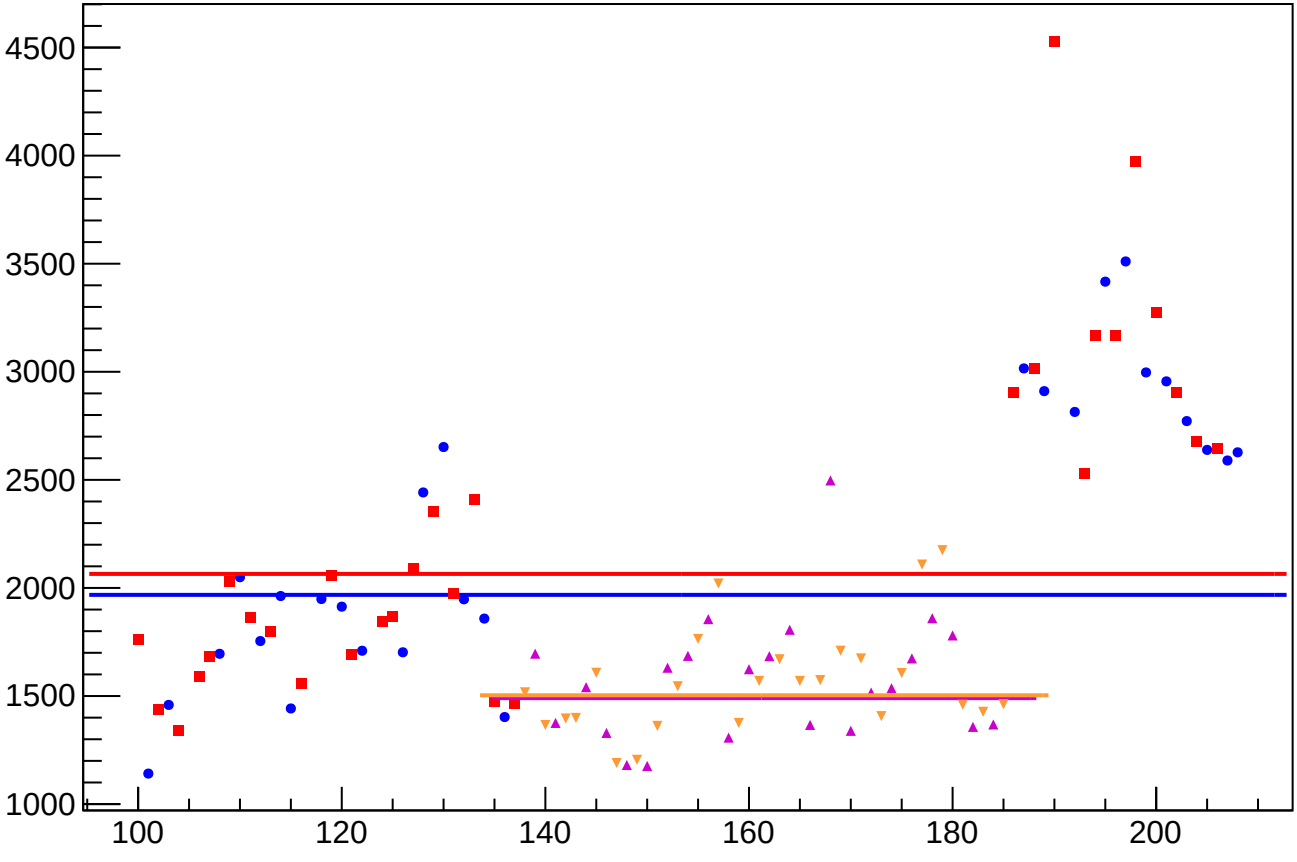
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 514.755+/-289.390 χ^2/NDF: 55.7/51

All: 471.077+/-206.933 χ^2/NDF: 98.9/104

\- sign 425.376+/-296.018 χ^2/NDF: 43.1/52

asym_usr_reg_correction_rms vs Slug



Right In: 1967.987+/-0.370 χ^2/NDF: 3156695.6/26

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2065.009+/-0.382 χ^2/NDF: 2912594.2/29

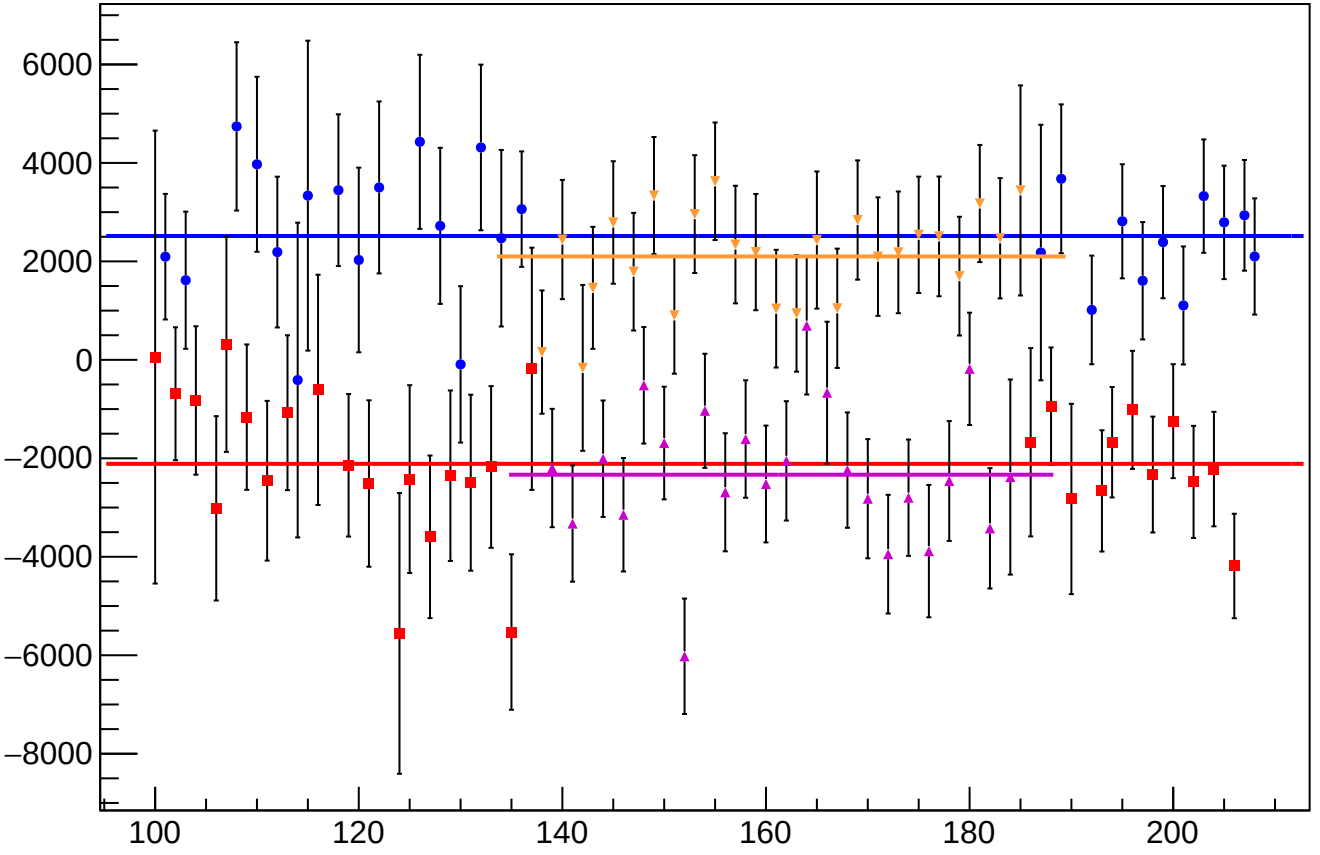
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1645.299+/-0.205 χ^2/NDF: 5049599.5/51

All: 1653.952+/-0.146 χ^2/NDF: 10518577.0/1

- sign 1663.005+/-0.209 χ^2/NDF: 5465318.7/52

cor_asym_usr_mean vs Slug



Right In: 2515.293+/-274.283 χ^2/NDF: 15.2/26

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2111.860+/-273.212 χ^2/NDF: 19.4/29

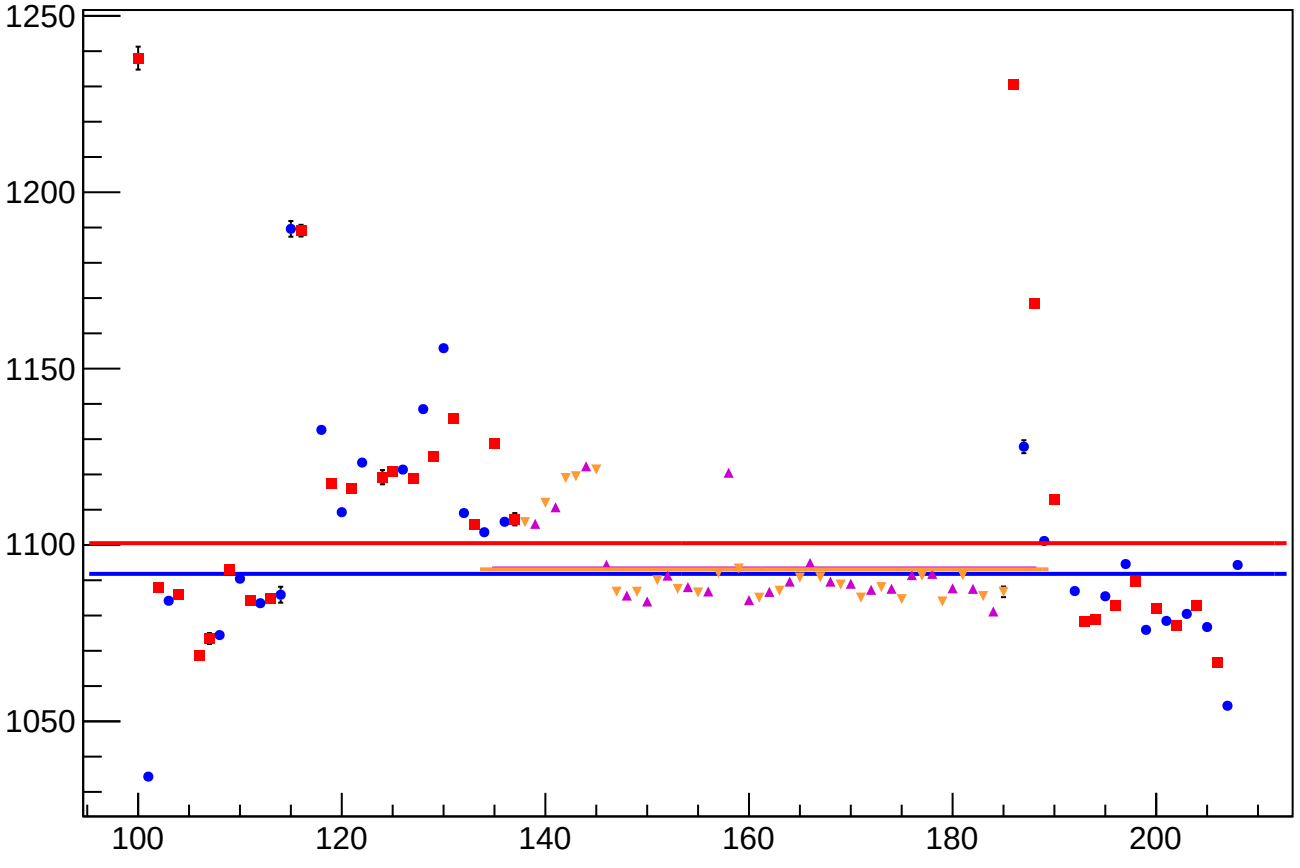
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2287.274+/-184.079 χ^2/NDF: 30.2/51

All: 58.550+/-131.021 χ^2/NDF: 376.6/104

- sign -2229.899+/-186.529 χ^2/NDF: 49.3/52

cor_asym_usr_rms vs Slug



Right In: 1091.814+/-0.194 χ^2/NDF: 18675.4/26

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1100.514+/-0.193 χ^2/NDF: 30888.6/29

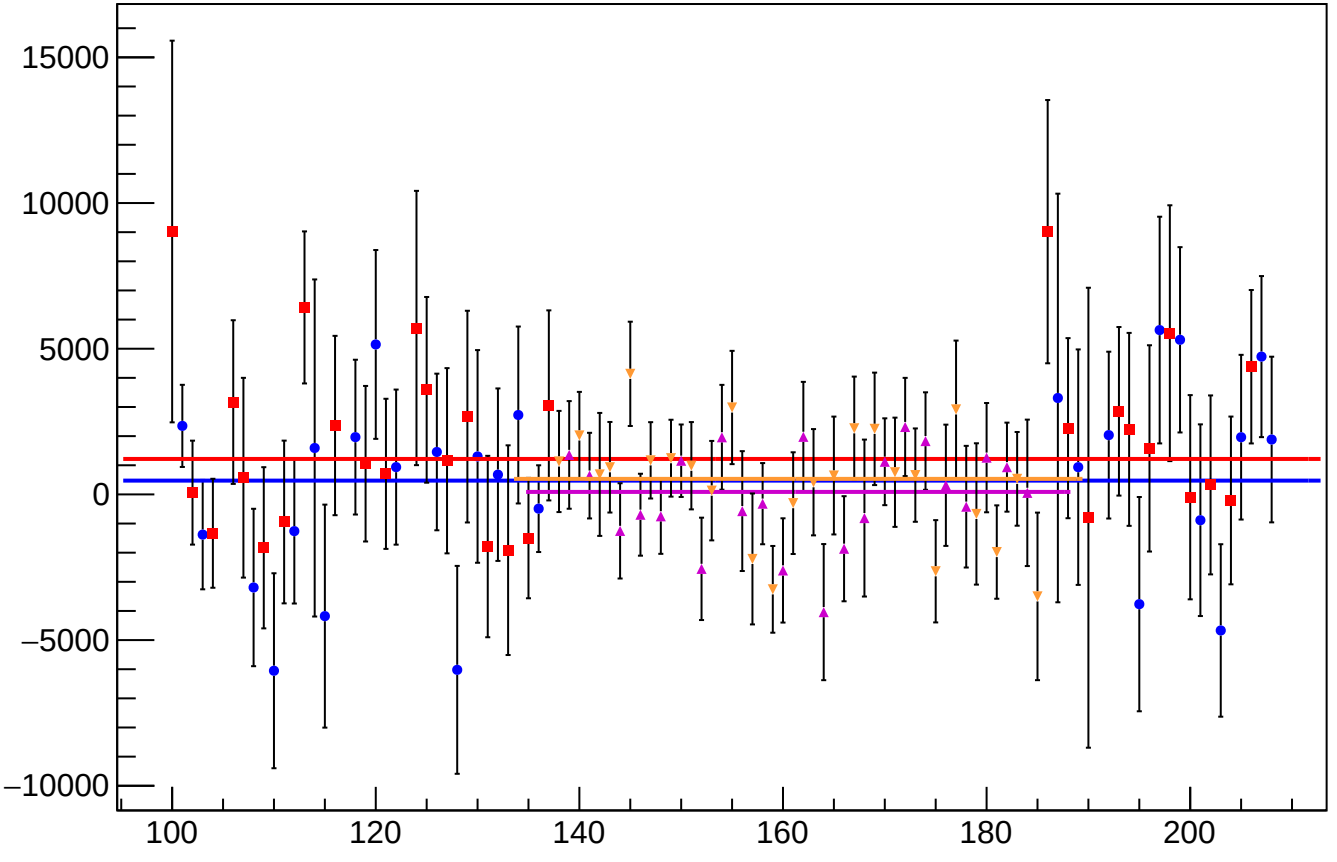
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1092.522+/-0.130 χ^2/NDF: 22682.8/51

All: 1094.575+/-0.093 χ^2/NDF: 58538.0/104

- sign 1096.683+/-0.132 χ^2/NDF: 35350.9/52

asym_usr_cor_correction_mean vs Slug



Right In: 473.296+/-523.681 χ^2/NDF: 29.3/26

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1216.966+/-540.011 χ^2/NDF: 22.0/29

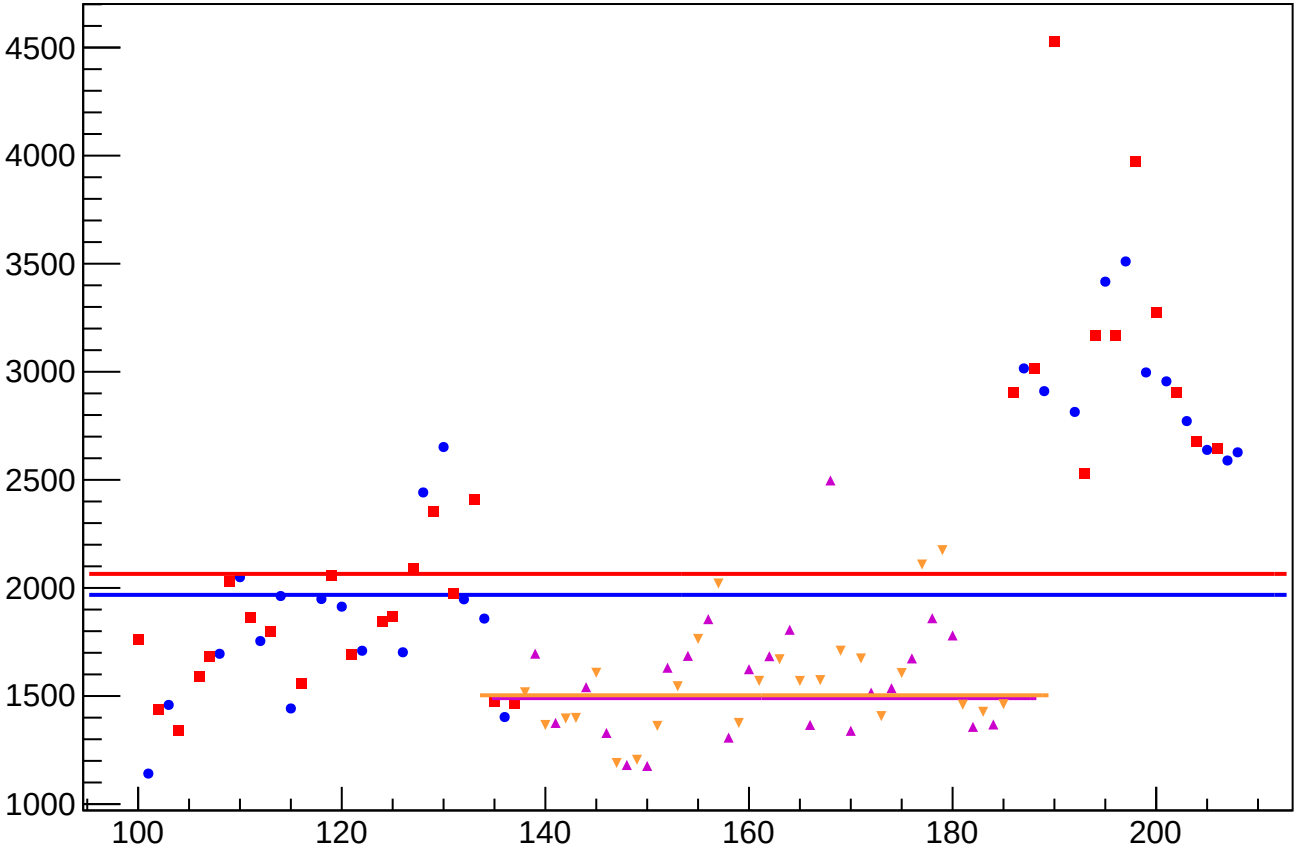
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 514.755+/-289.390 χ^2/NDF: 55.7/51

All: 471.077+/-206.933 χ^2/NDF: 98.9/104

\- sign 425.376+/-296.018 χ^2/NDF: 43.1/52

asym_usr_cor_correction_rms vs Slug



Right In: 1967.987+/-0.370 χ^2/NDF: 3156695.6/26

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2065.009+/-0.382 χ^2/NDF: 2912594.2/29

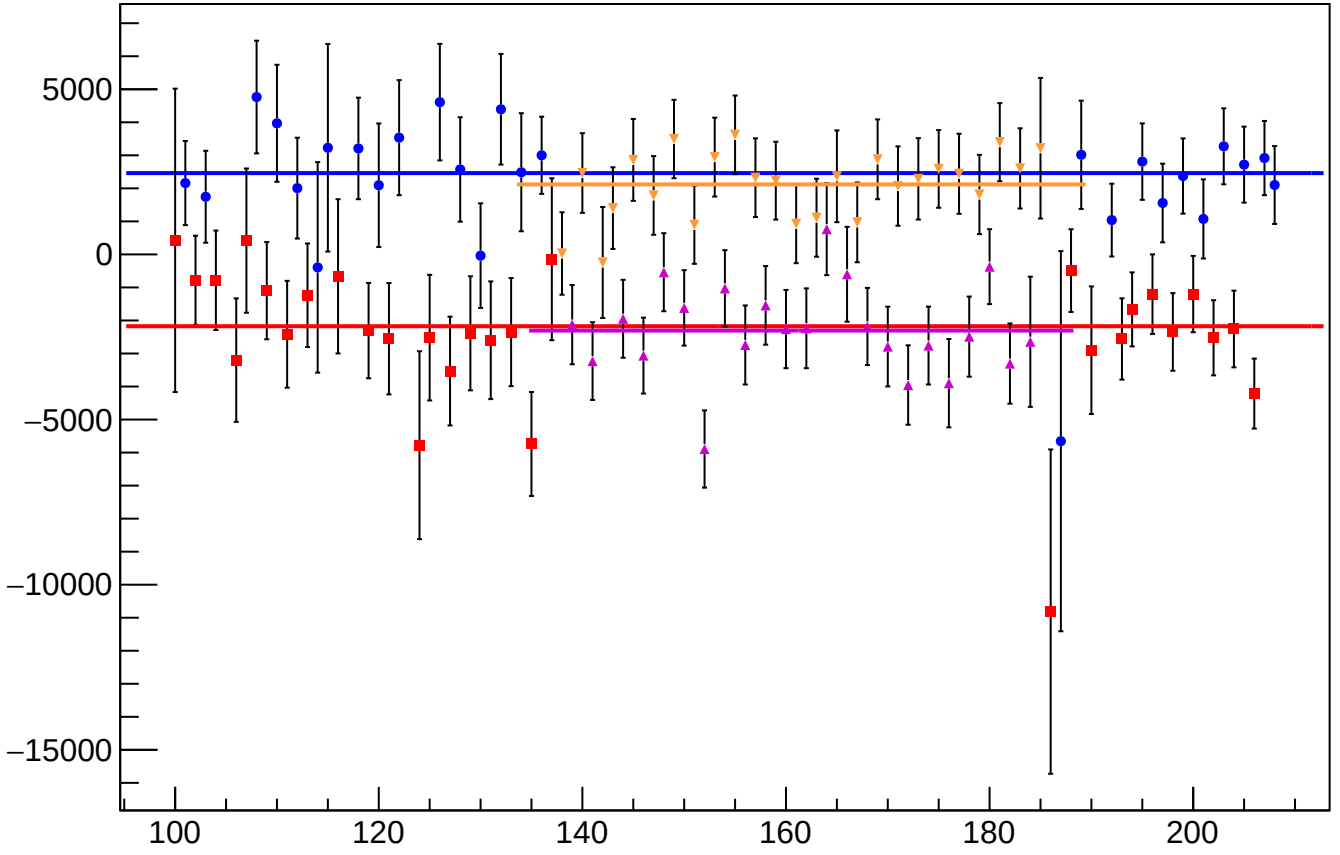
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1645.299+/-0.205 χ^2/NDF: 5049599.5/51

All: 1653.952+/-0.146 χ^2/NDF: 10518577.0/1

- sign 1663.005+/-0.209 χ^2/NDF: 5465318.7/52

overload_cor_asym_usr_mean vs Slug



Right In: 2461.571+/-275.715 χ^2/NDF: 16.6/26

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2174.309+/-275.913 χ^2/NDF: 24.1/29

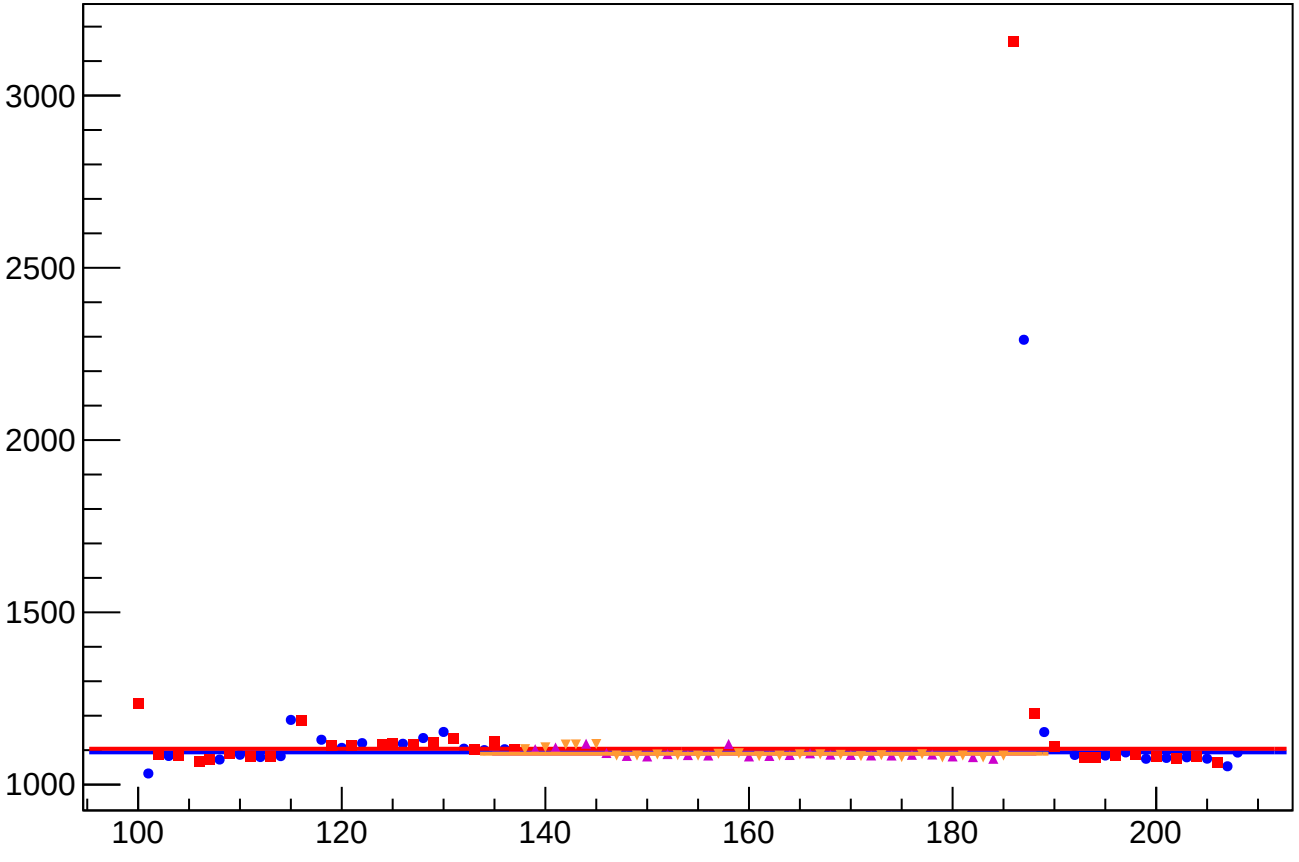
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2272.434+/-184.197 χ^2/NDF: 32.6/51

All: 48.605+/-131.251 χ^2/NDF: 381.3/104

- sign -2245.145+/-187.070 χ^2/NDF: 52.7/52

overload_cor_asym_usr_rms vs Slug



Right In: 1093.673+/-0.195 χ^2/NDF: 107299.8/26

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1104.026+/-0.195 χ^2/NDF: 379152.2/29

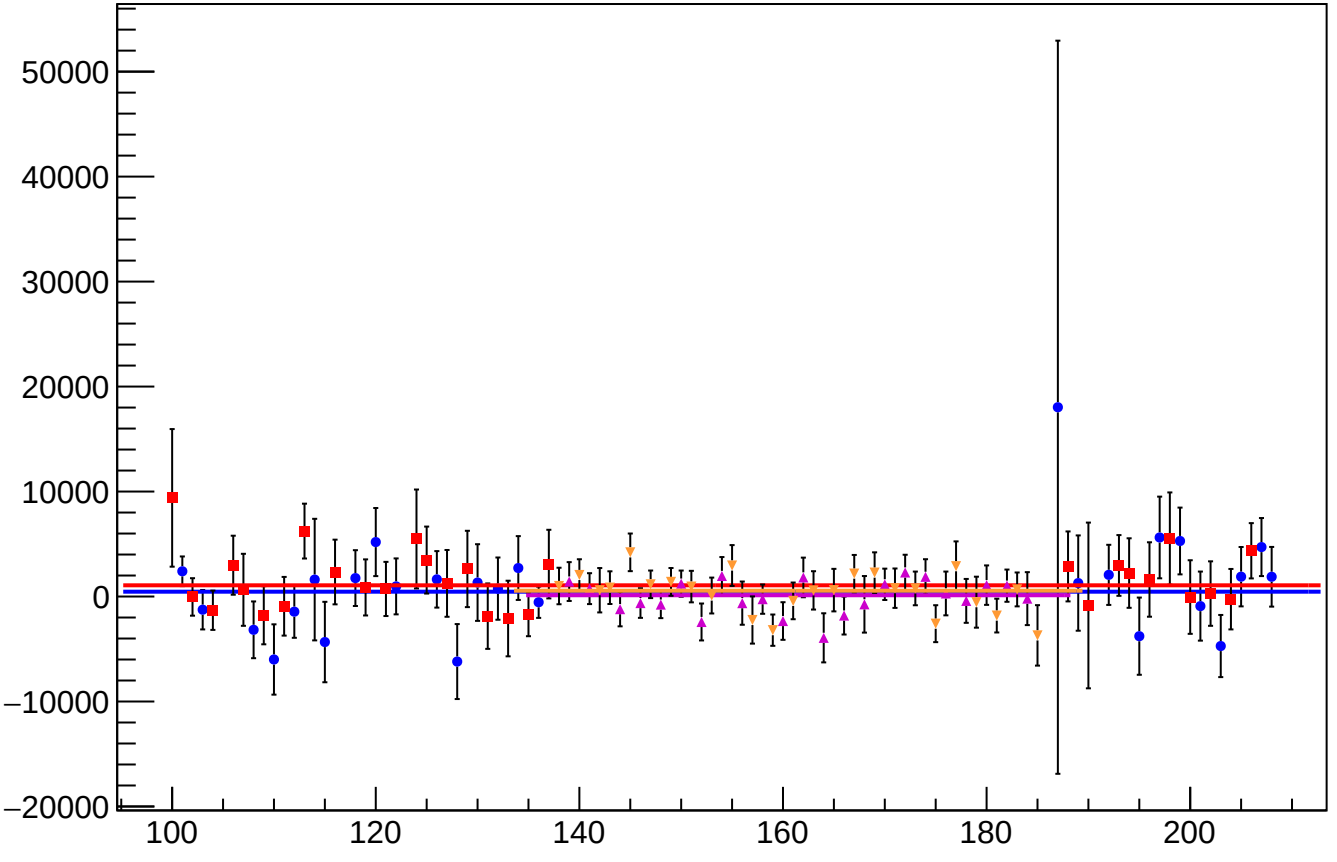
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1091.497+/-0.130 χ^2/NDF: 111582.3/51

All: 1093.925+/-0.093 χ^2/NDF: 498142.9/104

- sign 1096.428+/-0.132 χ^2/NDF: 385855.0/52

asym_usr_overload_cor_correction_mean vs Slug



Right In: 460.652+/-526.514 χ^2/NDF: 29.7/26

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 1068.686+/-545.517 χ^2/NDF: 19.1/28

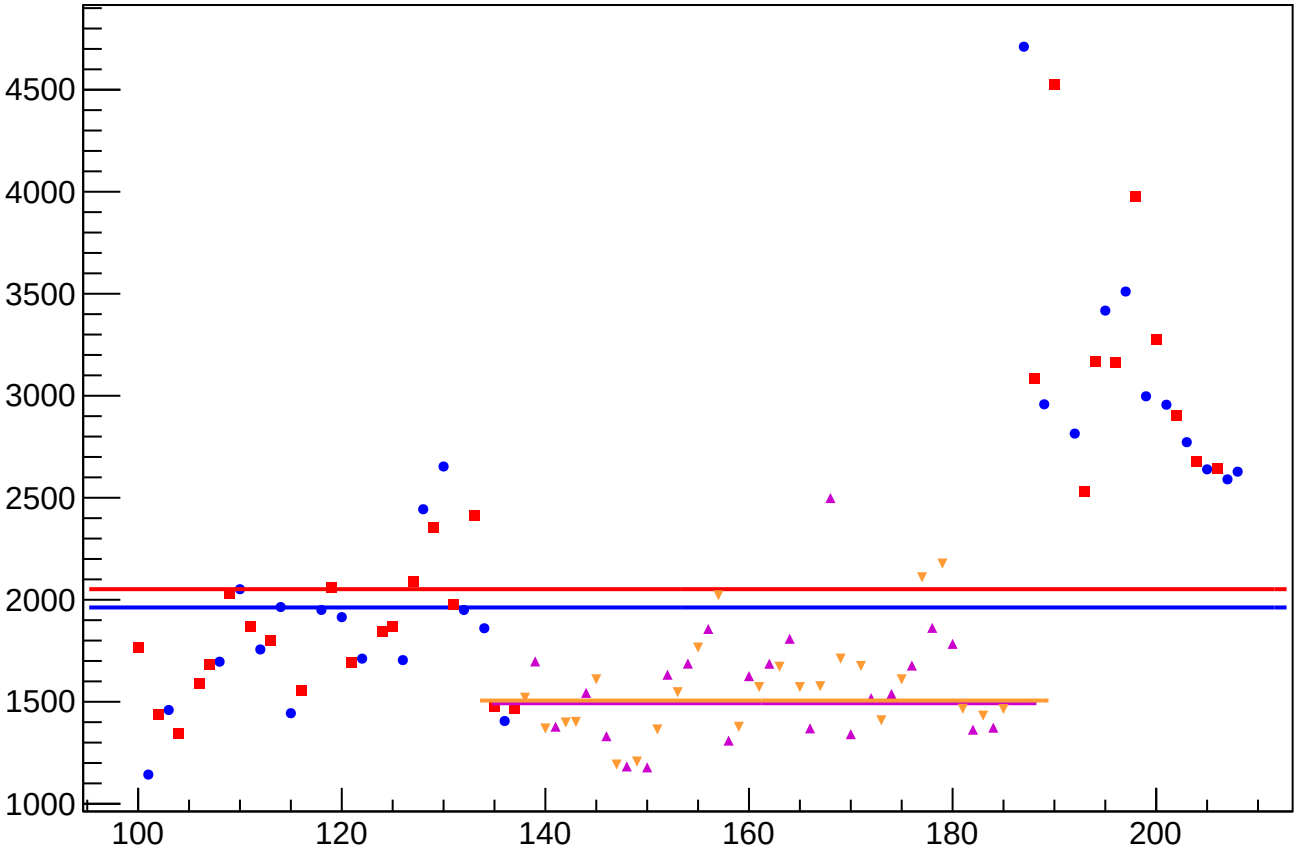
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 525.473+/-290.208 χ^2/NDF: 55.8/51

All: 465.572+/-207.661 χ^2/NDF: 94.3/103

- sign 402.719+/-297.273 χ^2/NDF: 38.4/51

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1962.296+/-0.372 χ^2/NDF: 3100024.3/26

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 2051.976+/-0.386 χ^2/NDF: 2829809.8/28

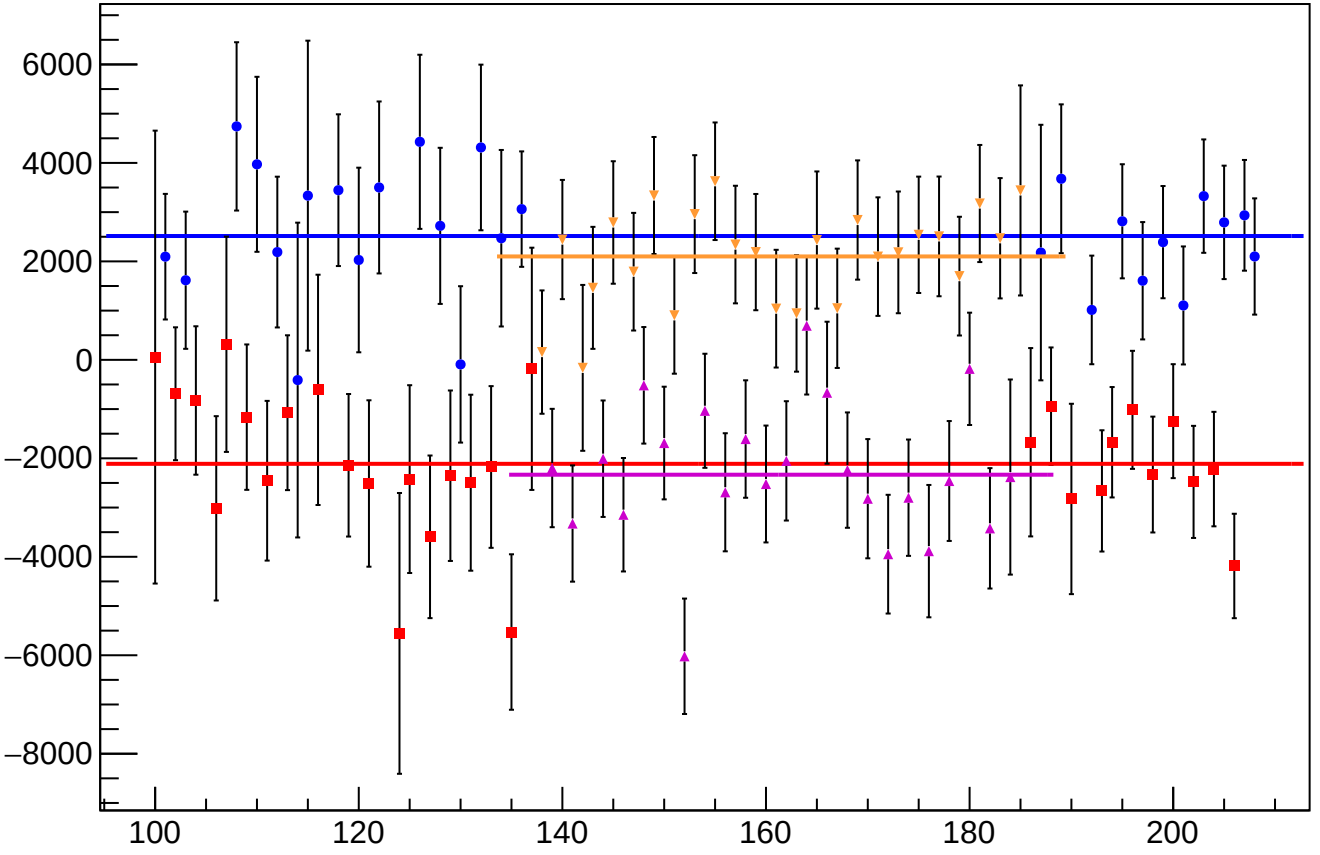
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1644.698+/-0.205 χ^2/NDF: 4941714.8/51

All: 1651.665+/-0.147 χ^2/NDF: 10214692.4/1

- sign 1658.976+/-0.210 χ^2/NDF: 5270615.3/51

eigen_cor_asym_usr_mean vs Slug



Right In: 2515.293+/-274.283 χ^2/NDF: 15.2/26

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2111.860+/-273.212 χ^2/NDF: 19.4/29

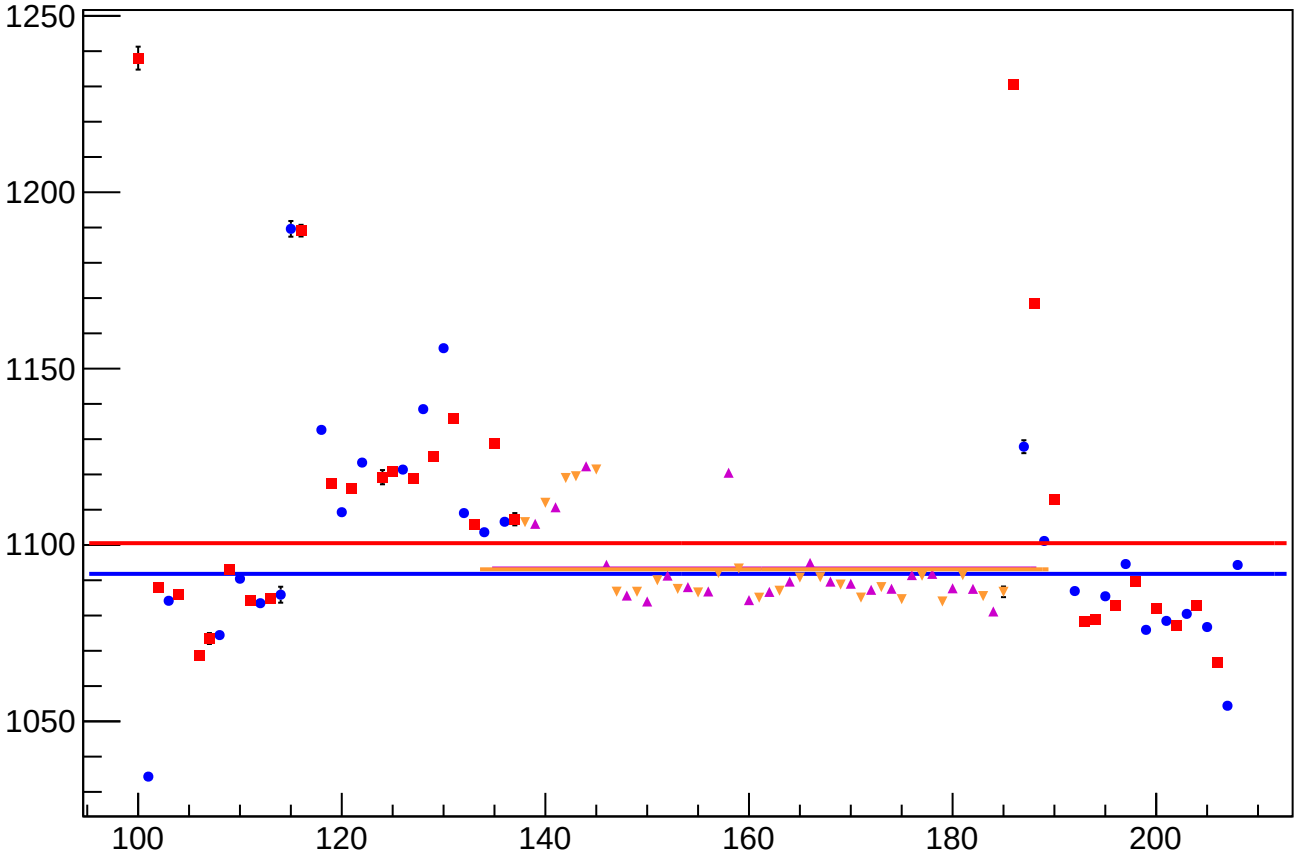
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2287.274+/-184.079 χ^2/NDF: 30.2/51

All: 58.550+/-131.021 χ^2/NDF: 376.6/104

- sign -2229.899+/-186.529 χ^2/NDF: 49.3/52

eigen_cor_asym_usr_rms vs Slug



Right In: 1091.814+/-0.194 χ^2/NDF: 18675.4/26

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1100.514+/-0.193 χ^2/NDF: 30888.6/29

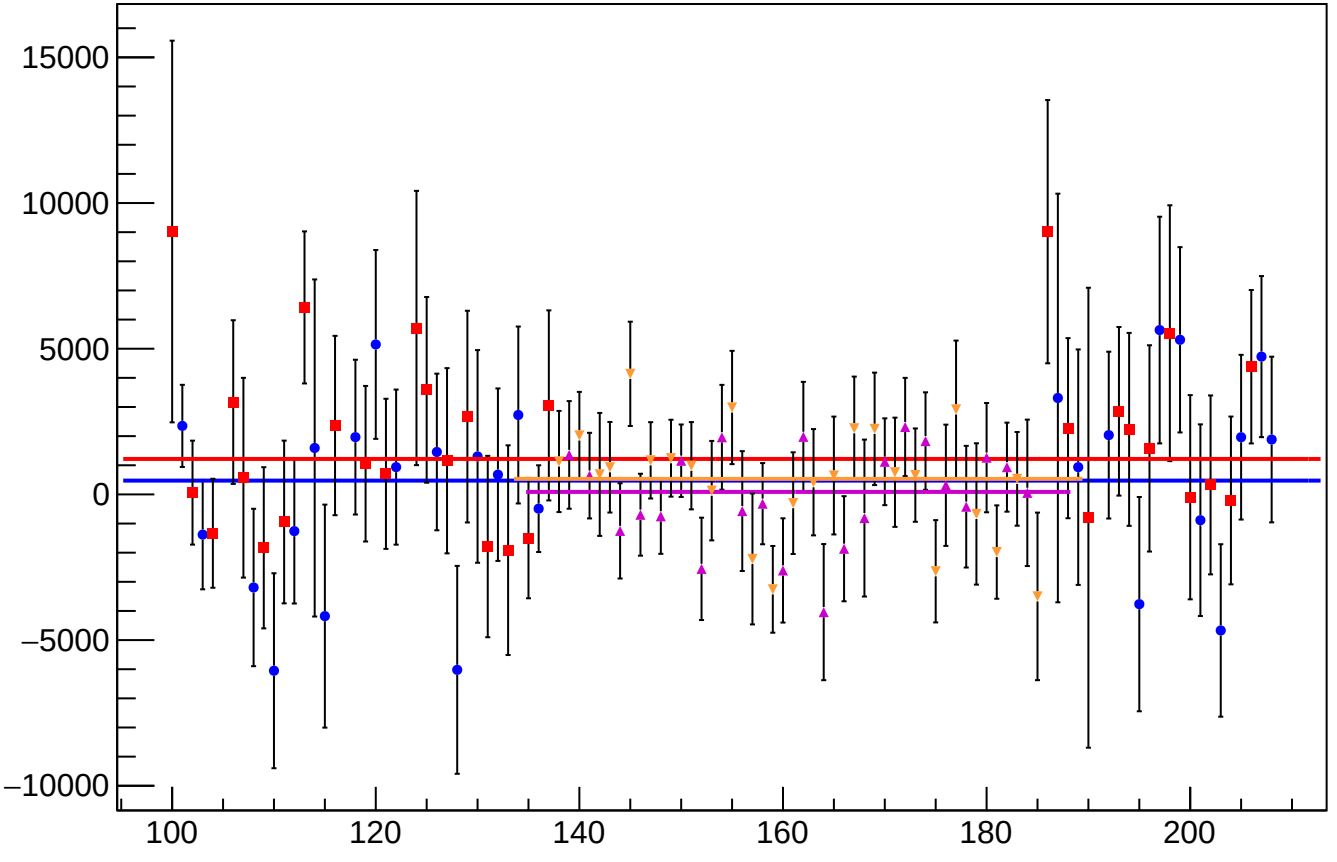
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1092.522+/-0.130 χ^2/NDF: 22682.8/51

All: 1094.575+/-0.093 χ^2/NDF: 58538.0/104

- sign 1096.683+/-0.132 χ^2/NDF: 35350.9/52

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 473.296+/-523.681 χ^2/NDF: 29.3/26

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1216.966+/-540.011 χ^2/NDF: 22.0/29

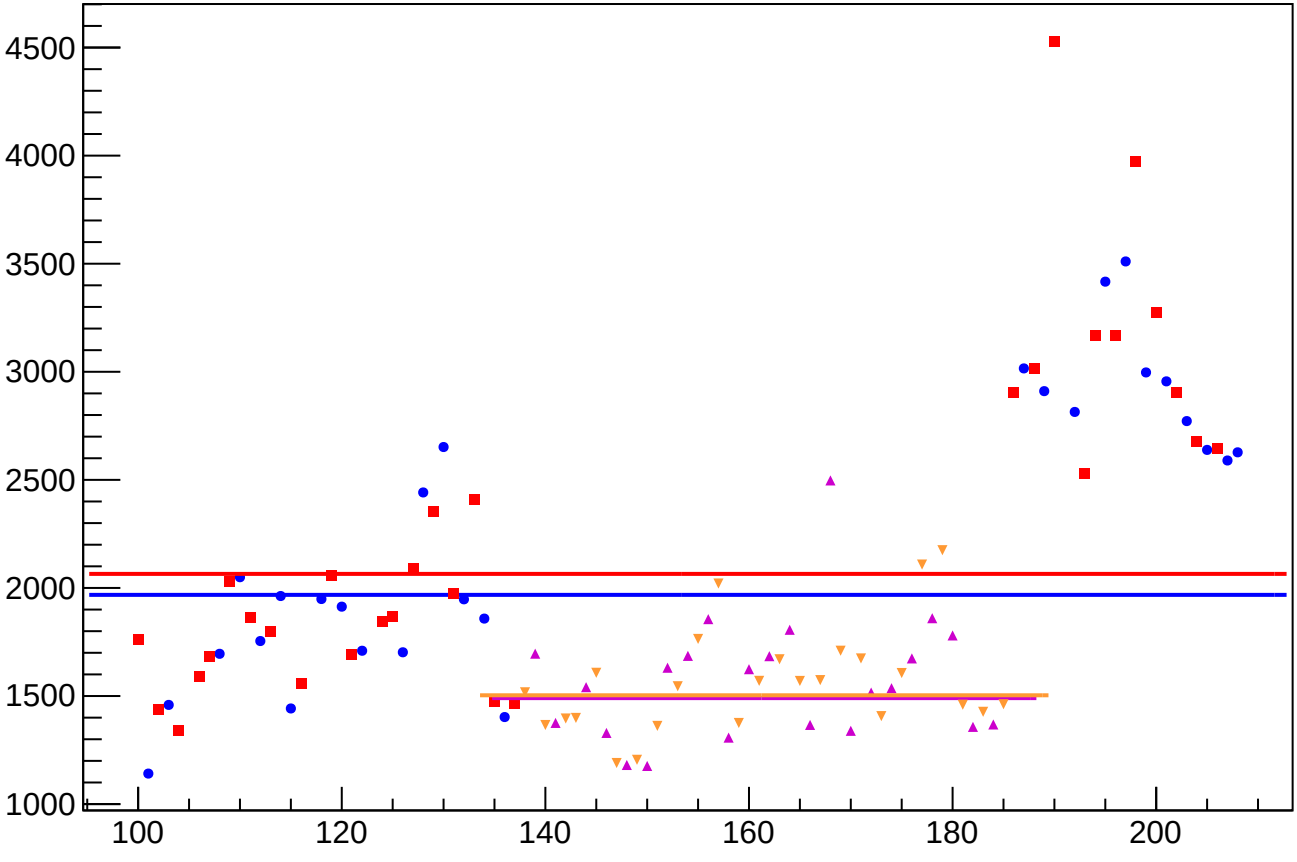
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 514.755+/-289.390 χ^2/NDF: 55.7/51

All: 471.077+/-206.933 χ^2/NDF: 98.9/104

\- sign 425.376+/-296.018 χ^2/NDF: 43.1/52

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1967.987+/-0.370 χ^2/NDF: 3156695.6/26

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2065.009+/-0.382 χ^2/NDF: 2912594.2/29

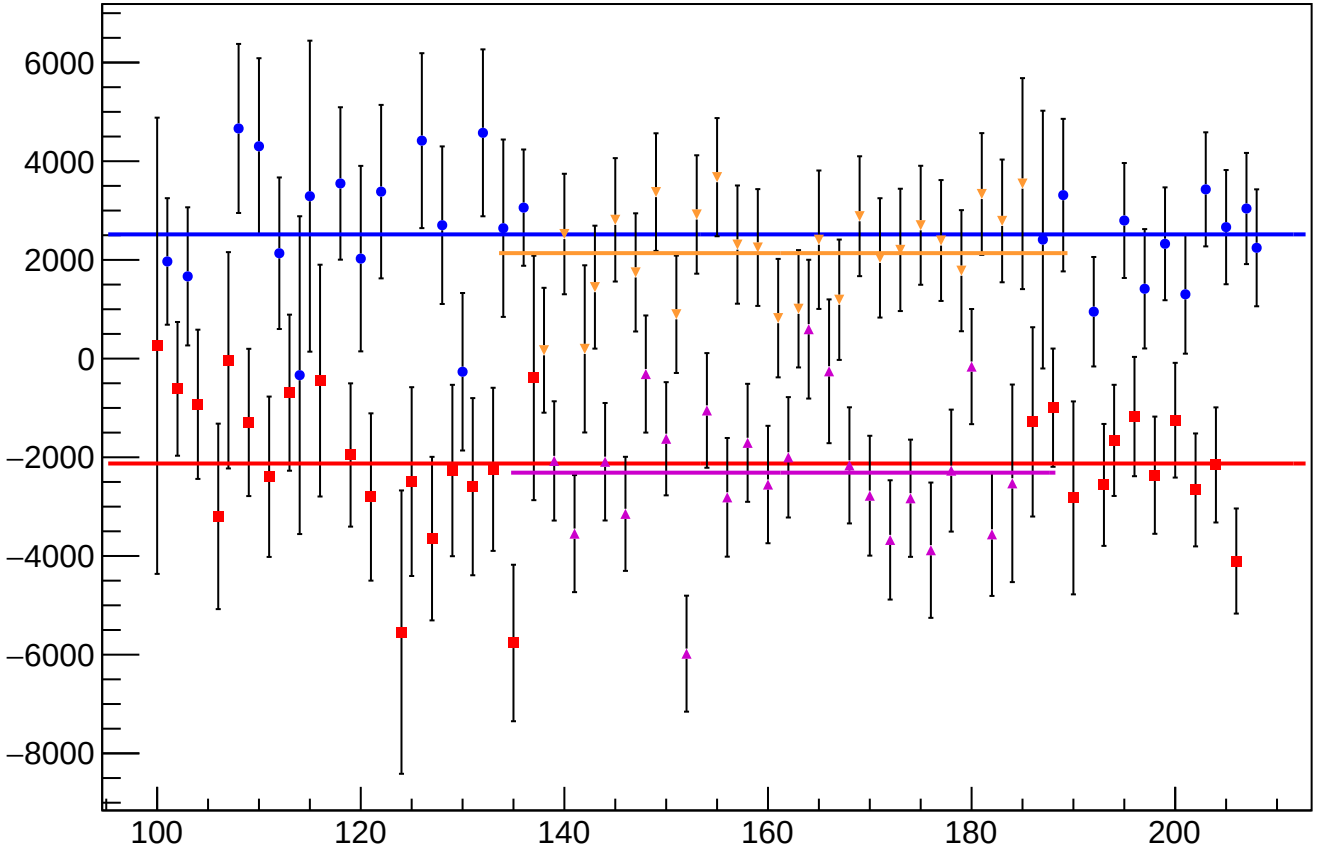
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1645.299+/-0.205 χ^2/NDF: 5049599.5/51

All: 1653.952+/-0.146 χ^2/NDF: 10518577.0/1

- sign 1663.005+/-0.209 χ^2/NDF: 5465318.7/52

dit_asym_usr_mean vs Slug



Right In: 2517.153+/-275.745 χ^2/NDF: 15.8/26

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -2126.027+/-274.554 χ^2/NDF: 19.8/29

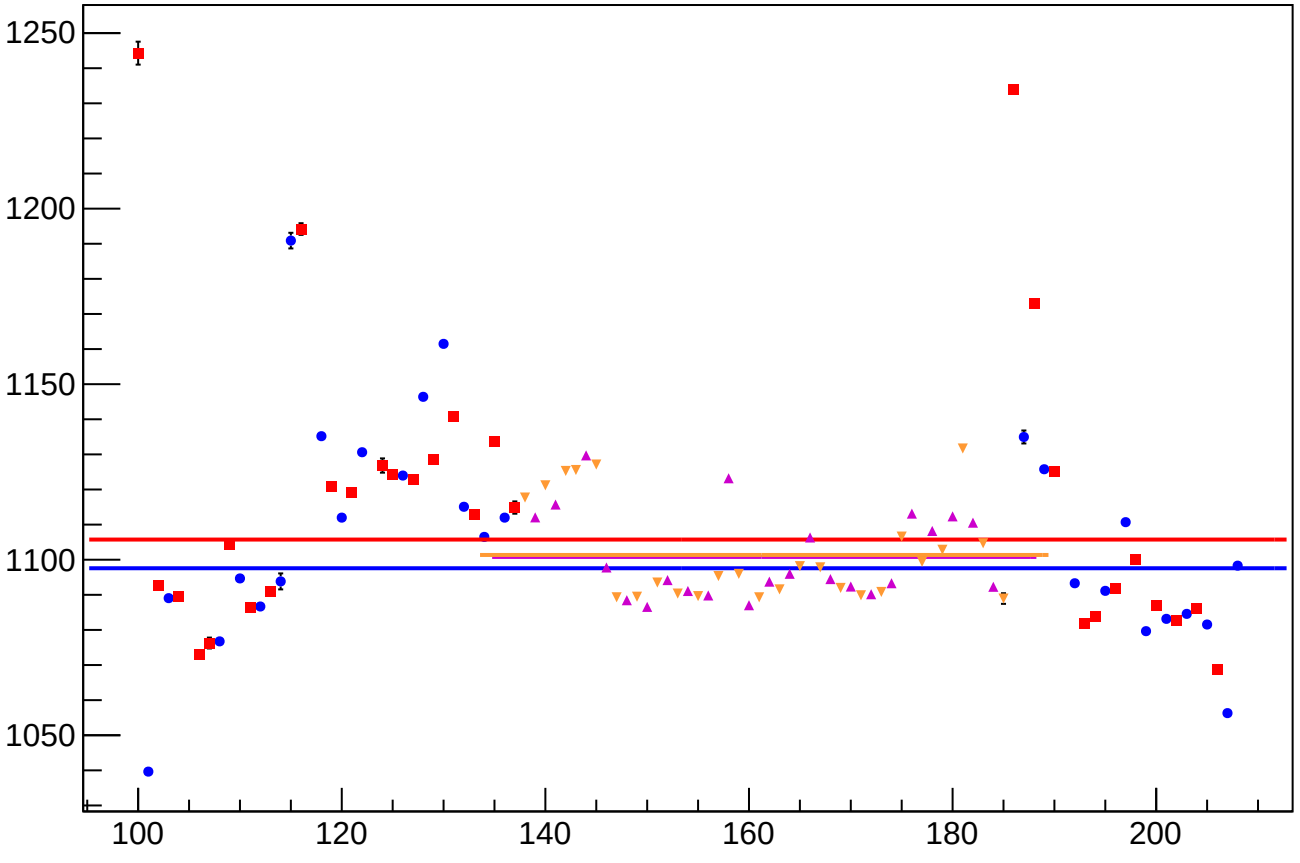
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2308.753+/-185.291 χ^2/NDF: 30.8/51

All: 70.425+/-131.843 χ^2/NDF: 376.3/104

- sign -2225.008+/-187.639 χ^2/NDF: 49.9/52

dit_asym_usr_rms vs Slug



Right In: 1097.569+/-0.195 χ^2/NDF: 19913.1/26

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1105.740+/-0.194 χ^2/NDF: 30709.4/29

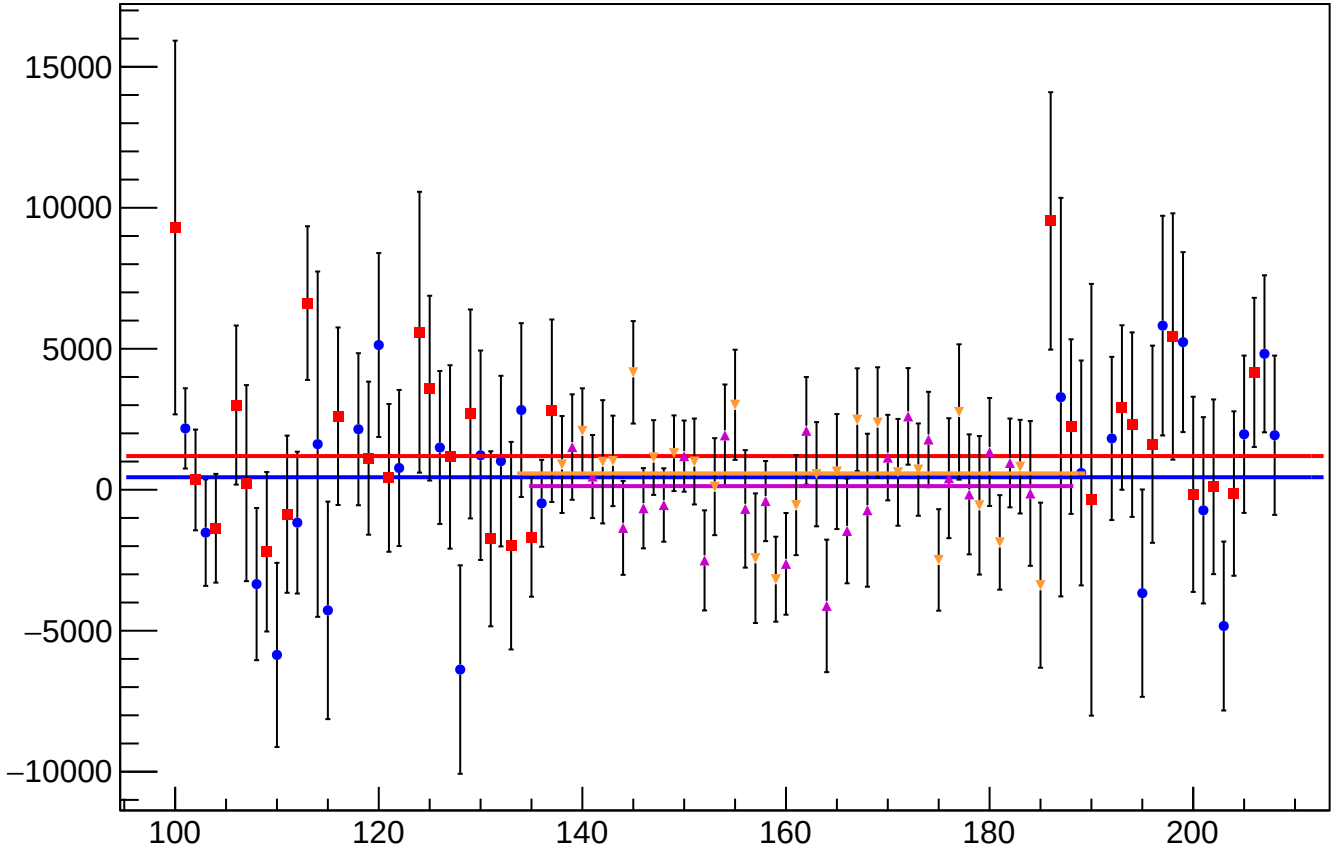
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1099.645+/-0.131 χ^2/NDF: 26070.3/51

All: 1101.352+/-0.093 χ^2/NDF: 62111.7/104

- sign 1103.104+/-0.133 χ^2/NDF: 35697.2/52

asym_usr_dit_correction_mean vs Slug



Right In: 443.652+/-529.913 χ^2/NDF: 29.3/26

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 1194.398+/-546.718 χ^2/NDF: 22.1/29

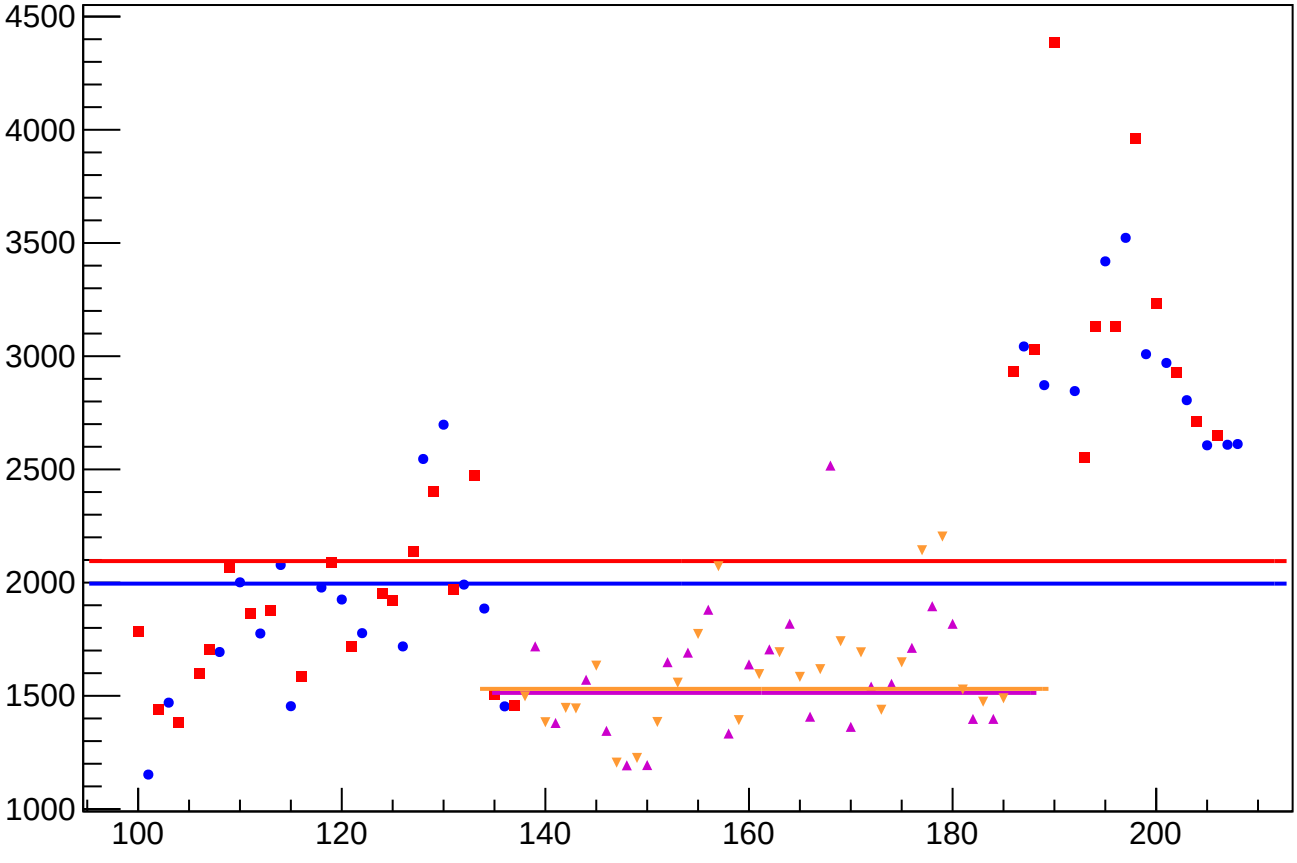
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 539.016+/-294.008 χ^2/NDF: 54.8/51

All: 495.420+/-210.037 χ^2/NDF: 97.4/104

- sign 449.980+/-300.162 χ^2/NDF: 42.6/52

asym_usr_dit_correction_rms vs Slug



Right In: 1995.536+/-0.375 χ^2/NDF: 3067234.5/26

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2095.111+/-0.387 χ^2/NDF: 2792090.9/29

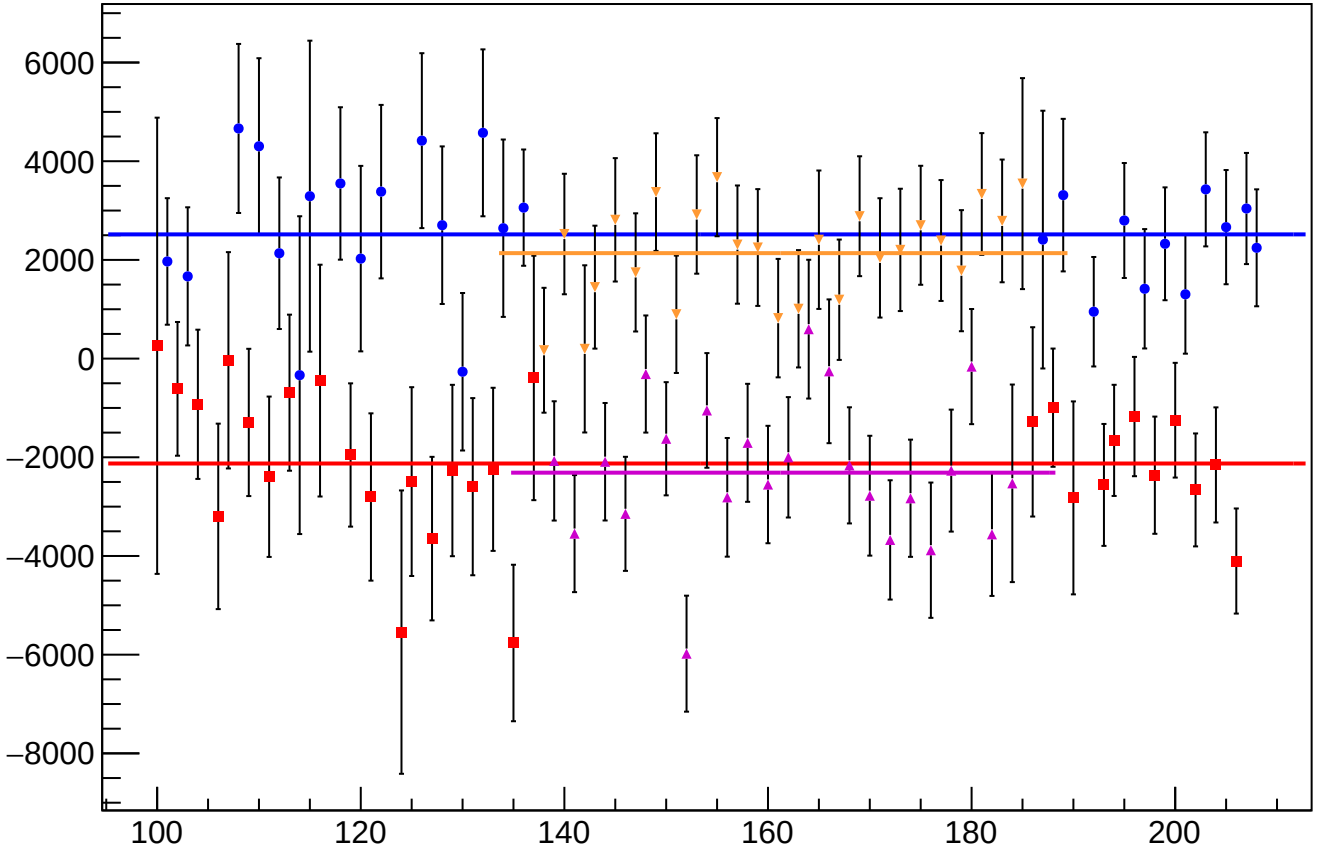
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1673.835+/-0.208 χ^2/NDF: 4927780.0/51

All: 1680.980+/-0.149 χ^2/NDF: 10263525.2/1

- sign 1688.428+/-0.212 χ^2/NDF: 5333332.7/52

eigen_dit_asym_usr_mean vs Slug



Right In: 2517.153+/-275.745 χ^2/NDF: 15.8/26

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -2126.025+/-274.554 χ^2/NDF: 19.8/29

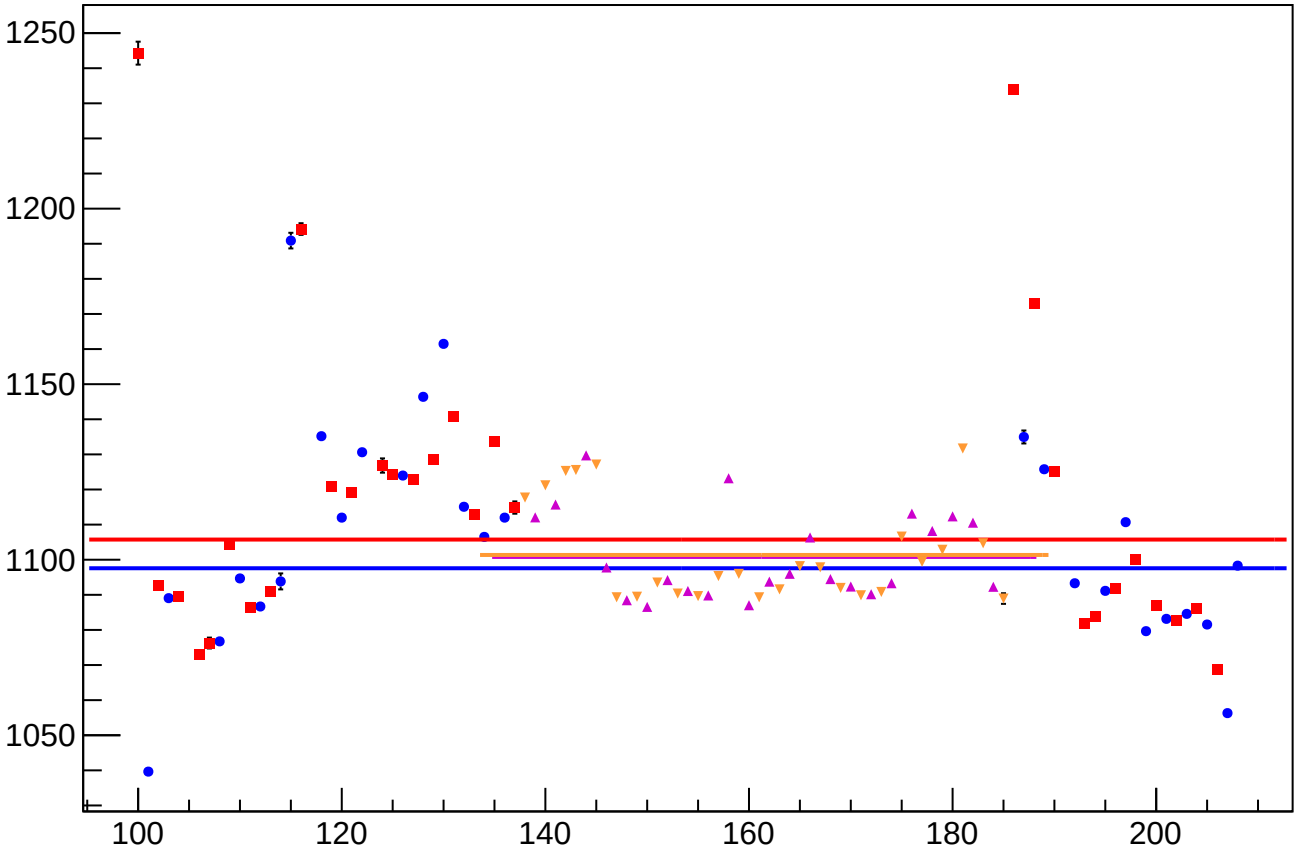
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2308.752+/-185.291 χ^2/NDF: 30.8/51

All: 70.425+/-131.843 χ^2/NDF: 376.3/104

- sign -2225.007+/-187.639 χ^2/NDF: 49.9/52

eigen_dit_asym_usr_rms vs Slug



Right In: 1097.569+/-0.195 χ^2/NDF: 19912.9/26

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

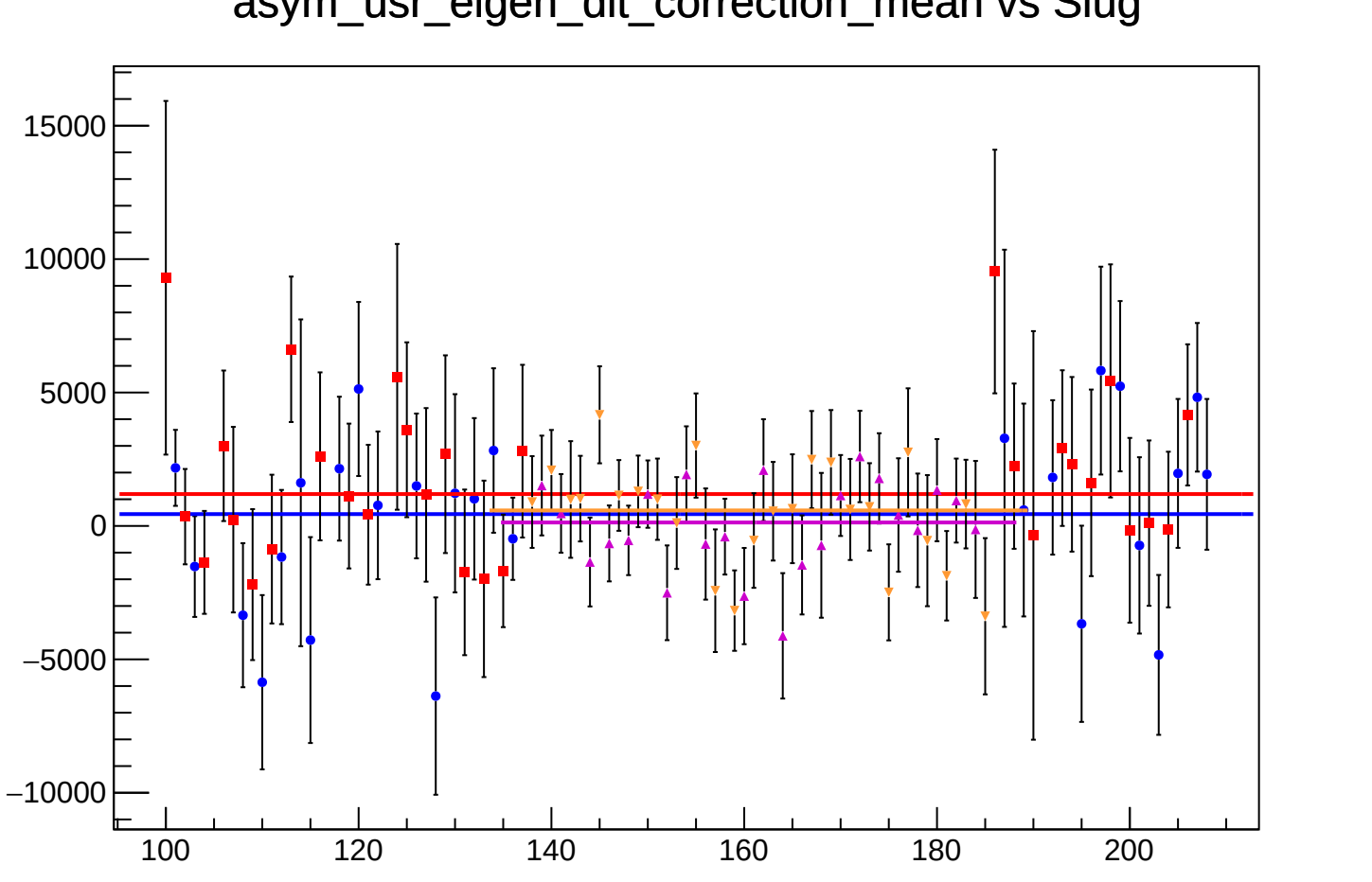
Right Out: 1105.740+/-0.194 χ^2/NDF: 30709.3/29

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1099.645+/-0.131 χ^2/NDF: 26070.1/51

All: 1101.352+/-0.093 χ^2/NDF: 62111.4/104

- sign 1103.104+/-0.133 χ^2/NDF: 35697.2/52



Right In: 443.647+/-529.912 χ^2/NDF: 29.3/26

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 1194.399+/-546.718 χ^2/NDF: 22.1/29

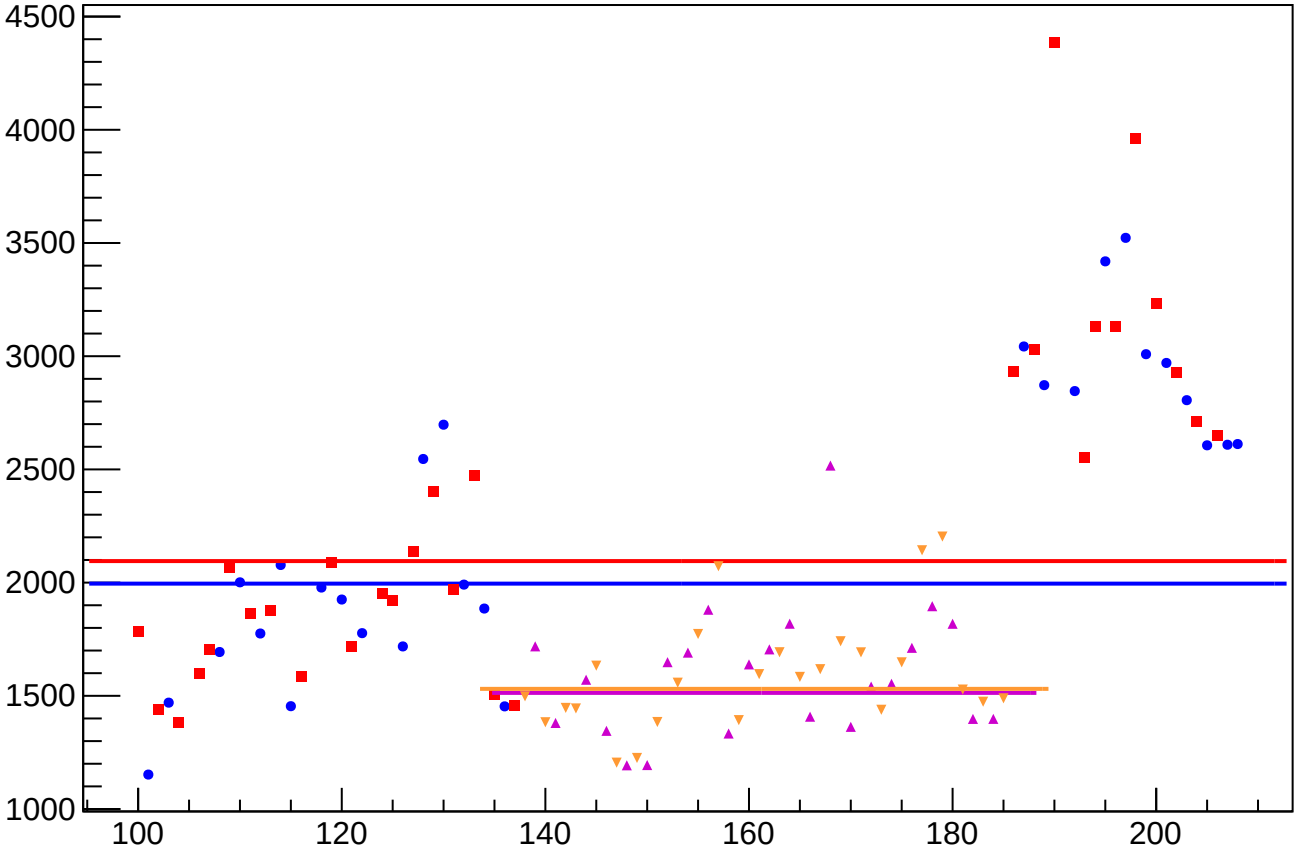
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

+ sign 539.013+/-294.009 χ^2/NDF: 54.8/51

All: 495.419+/-210.037 χ^2/NDF: 97.4/104

- sign 449.982+/-300.162 χ^2/NDF: 42.6/52

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1995.534+/-0.375 χ^2/NDF: 3067241.8/26

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 2095.110+/-0.387 χ^2/NDF: 2792089.1/29

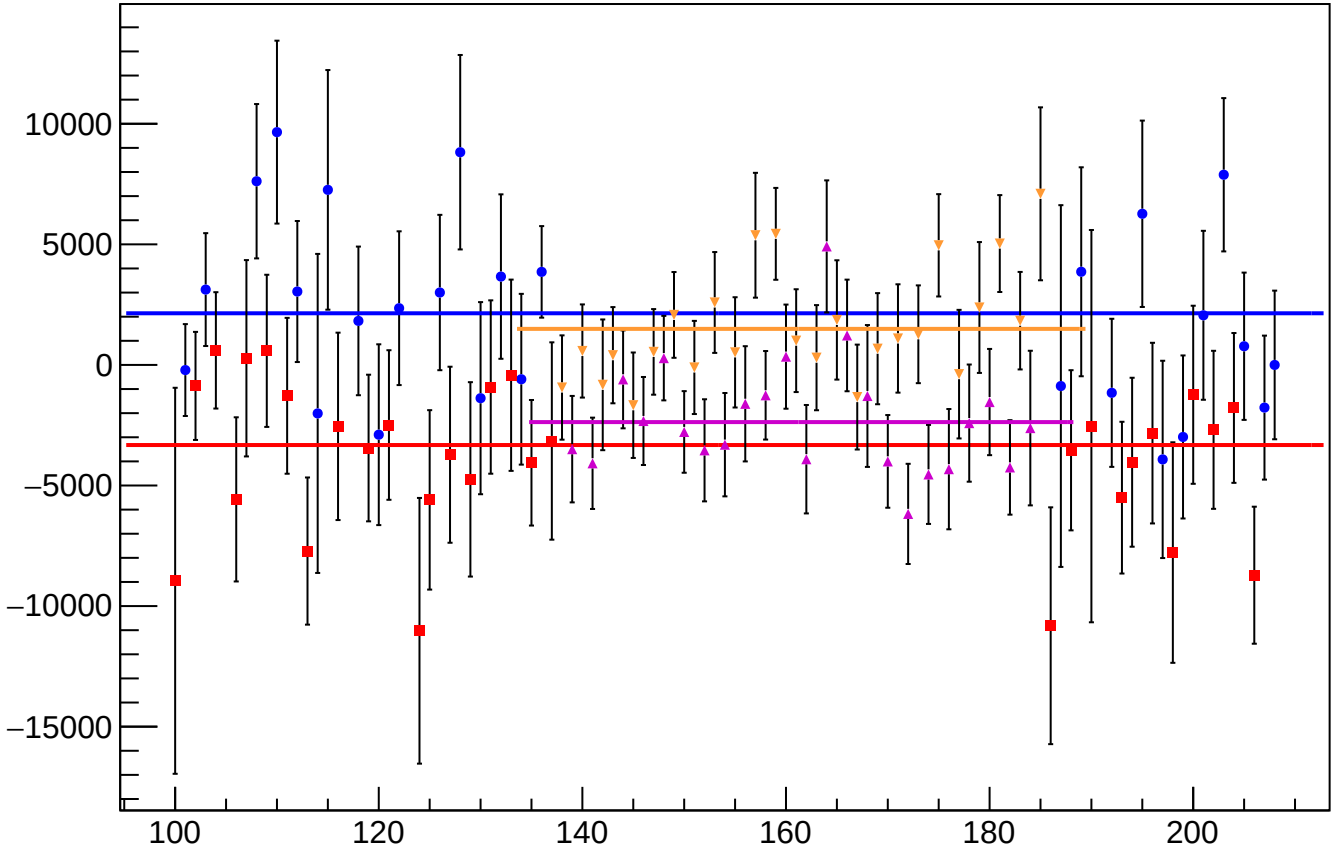
Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1673.837+/-0.208 χ^2/NDF: 4927764.8/51

All: 1680.983+/-0.149 χ^2/NDF: 10263485.5/1

- sign 1688.430+/-0.212 χ^2/NDF: 5333308.0/52

asym_usr_mean vs Slug



Right In: 2141.750+/-615.325 χ^2/NDF: 29.9/26

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3321.867+/-626.433 χ^2/NDF: 21.3/29

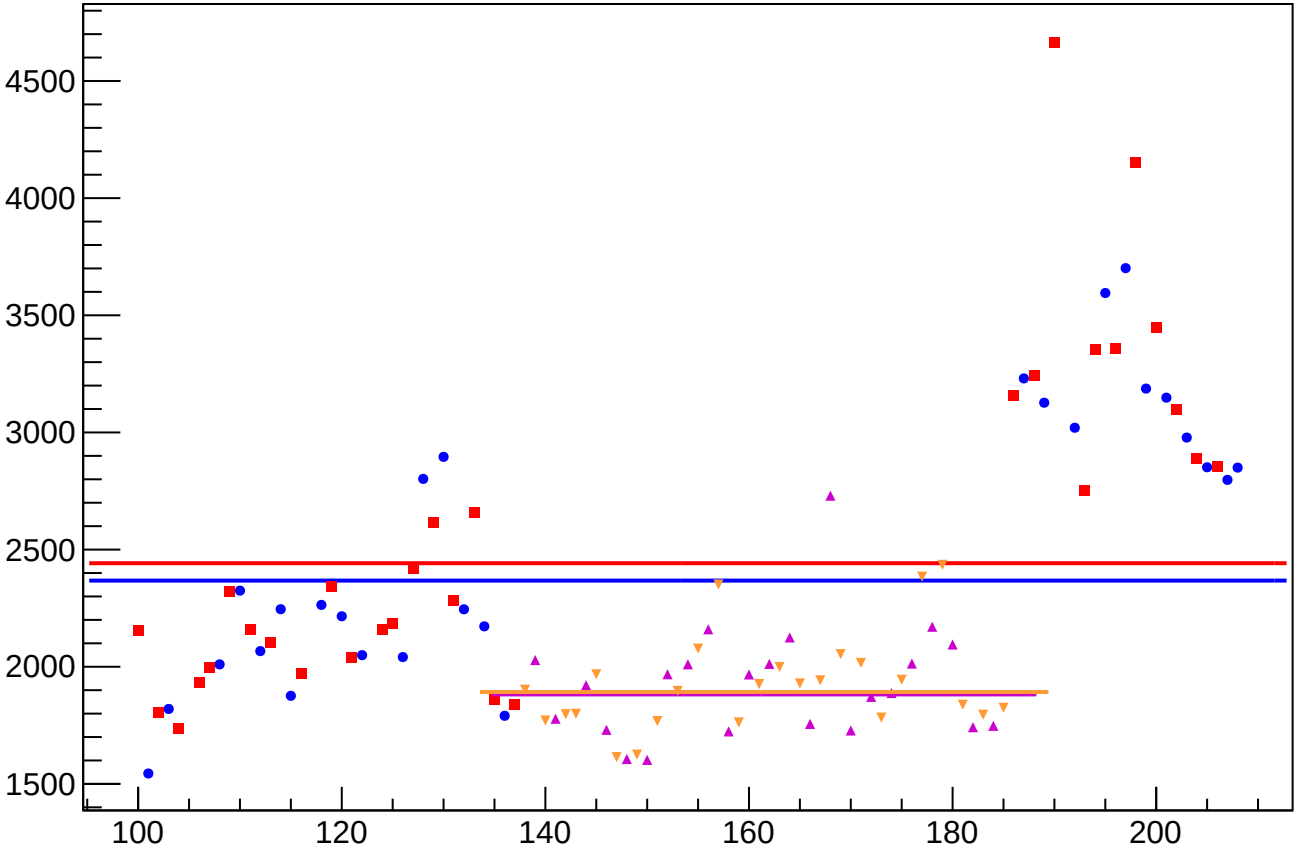
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1709.339+/-354.219 χ^2/NDF: 54.4/51

All: -443.446+/-253.064 χ^2/NDF: 176.3/104

- sign -2687.749+/-361.670 χ^2/NDF: 46.5/52

asym_usr_rms vs Slug



Right In: 2367.756+/-0.435 χ^2/NDF: 1871285.6/26

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

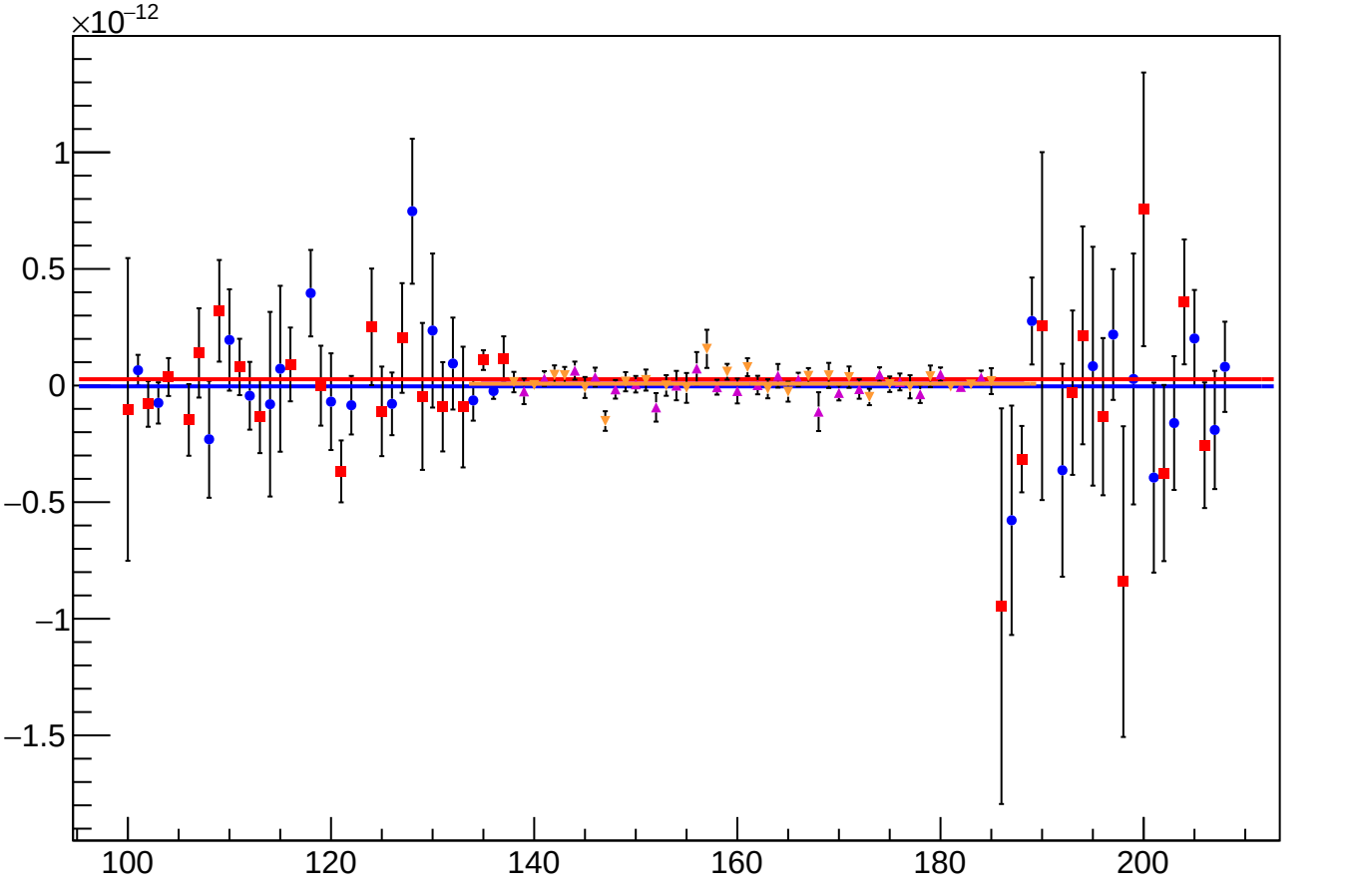
Right Out: 2441.893+/-0.443 χ^2/NDF: 1859908.7/29

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 2049.737+/-0.250 χ^2/NDF: 3059940.0/51

All: 2058.951+/-0.179 χ^2/NDF: 6450812.7/10

- sign 2068.557+/-0.256 χ^2/NDF: 3388108.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/29

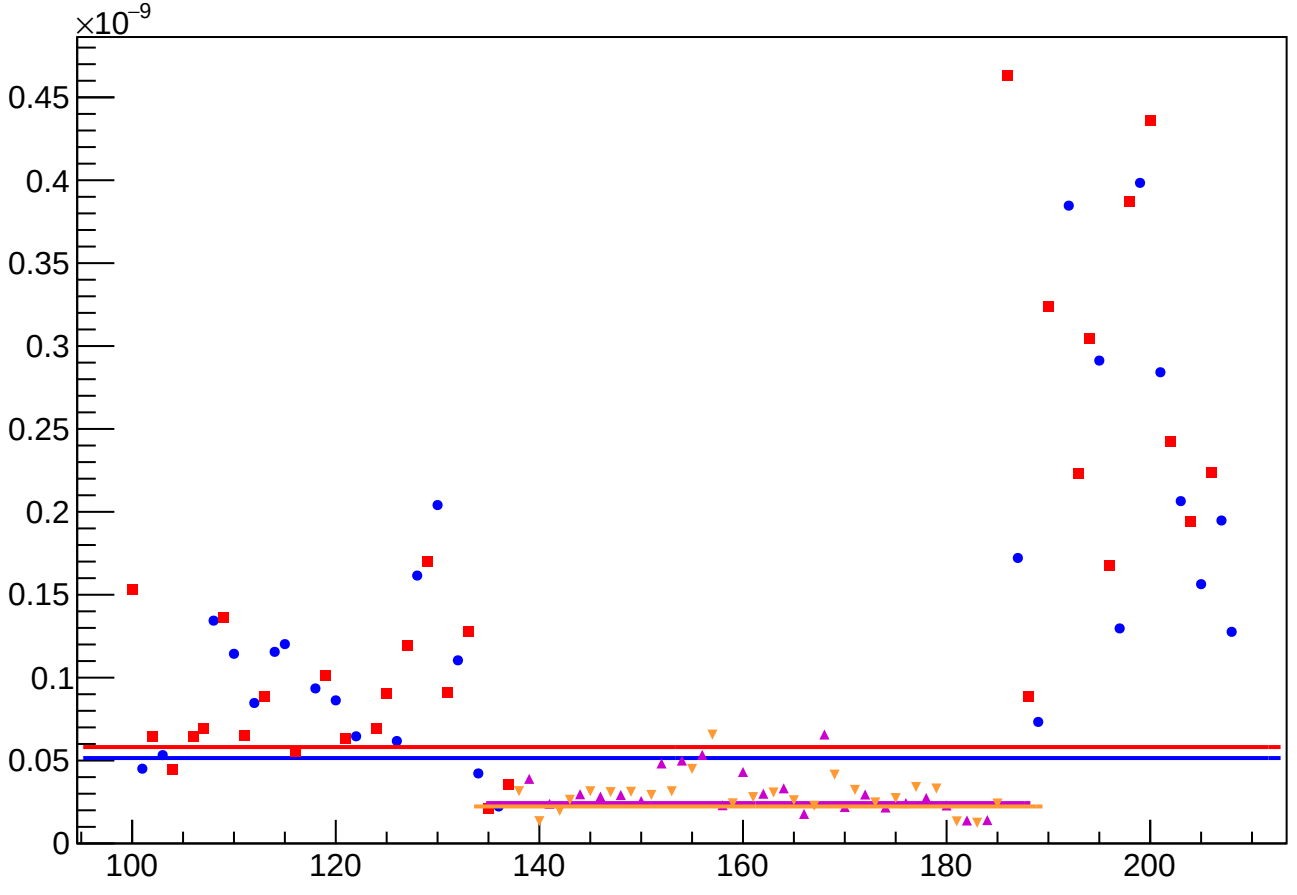
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.9/51

All: 0.000+/-0.000 χ^2/NDF: 113.3/104

- sign 0.000+/-0.000 χ^2/NDF: 56.2/52

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8560687.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7940836.5/29

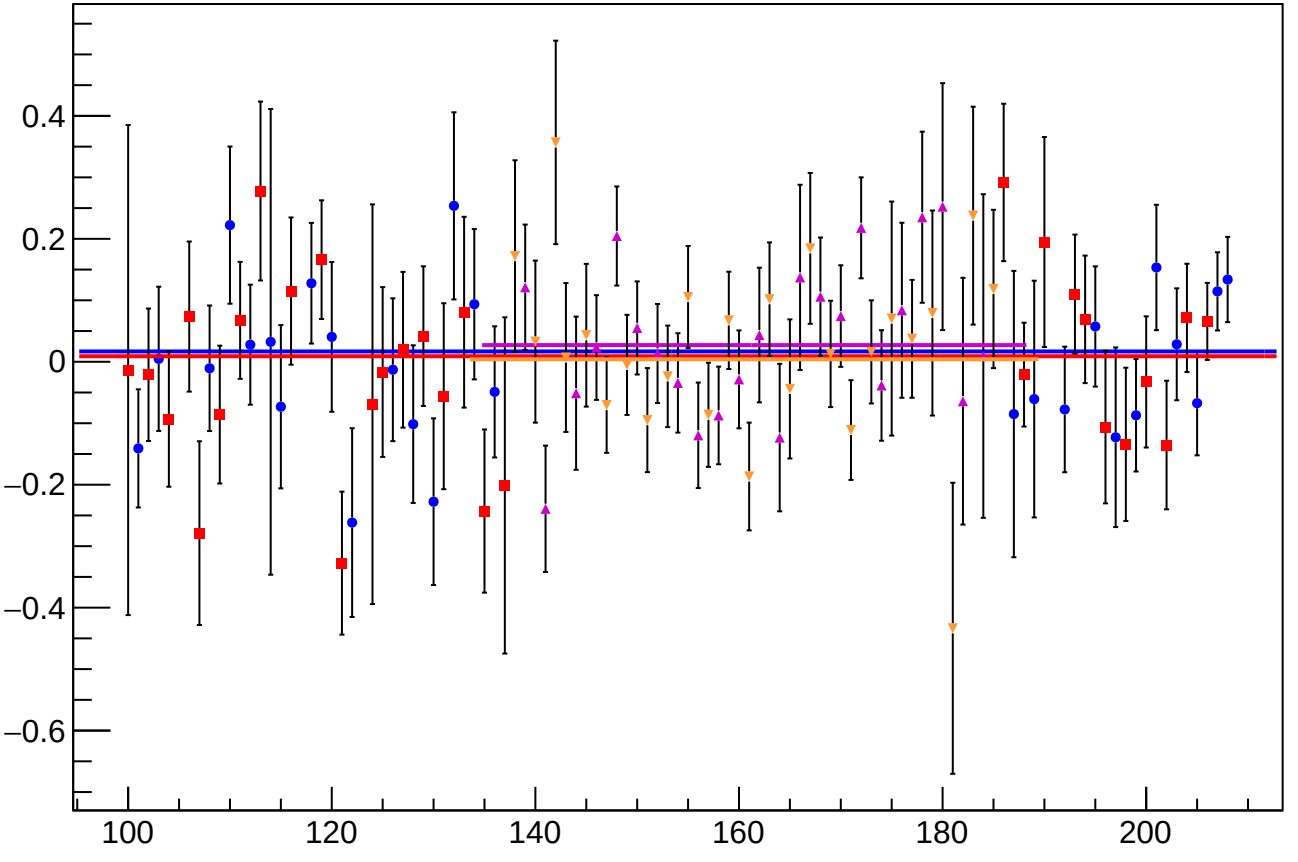
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15070521.4/51

All: 0.000+/-0.000 χ^2/NDF: 29375078.3/104

- sign 0.000+/-0.000 χ^2/NDF: 14192970.4/52

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.021 χ^2/NDF: 29.4/26

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.009+/-0.021 χ^2/NDF: 39.2/29

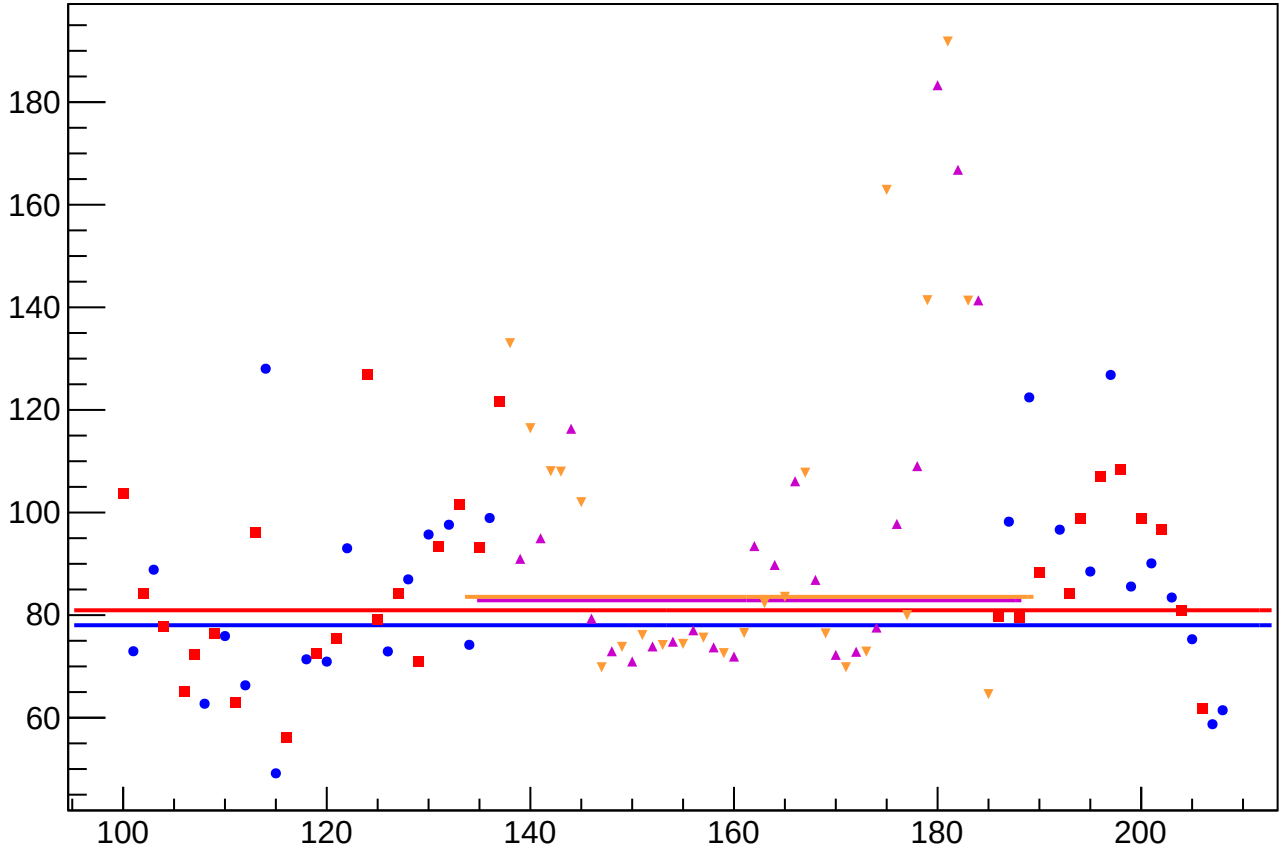
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.010+/-0.014 χ^2/NDF: 57.7/51

All: 0.014+/-0.010 χ^2/NDF: 129.4/104

- sign 0.018+/-0.015 χ^2/NDF: 71.5/52

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 78.030+/-0.015 χ^2/NDF: 1203599.8/26

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 80.946+/-0.015 χ^2/NDF: 957065.7/29

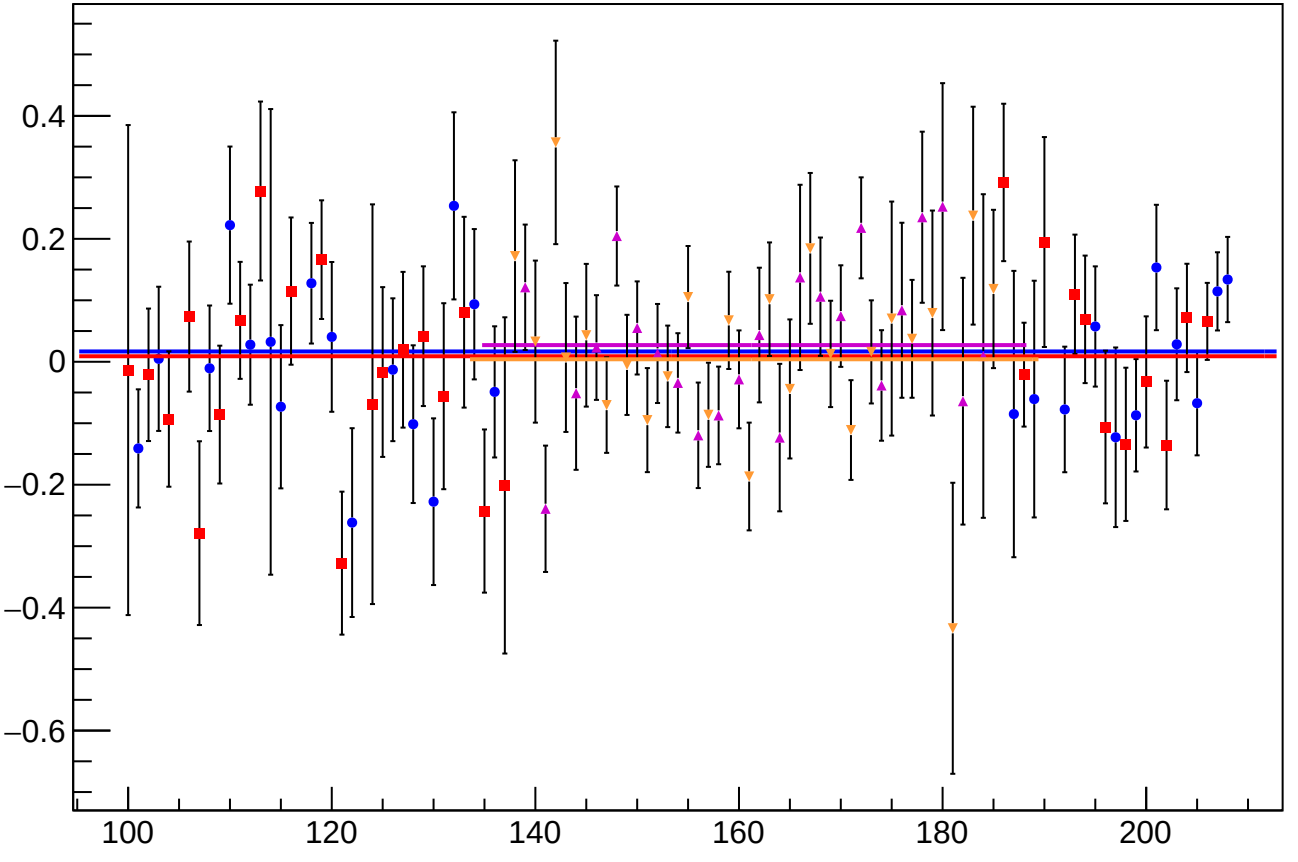
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

\+ sign 80.853+/-0.010 χ^2/NDF: 3449349.0/51

All: 81.389+/-0.007 χ^2/NDF: 5993721.0/104

\- sign 81.941+/-0.010 χ^2/NDF: 2538811.2/52

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.021 χ^2/NDF: 29.4/26

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.009+/-0.021 χ^2/NDF: 39.2/29

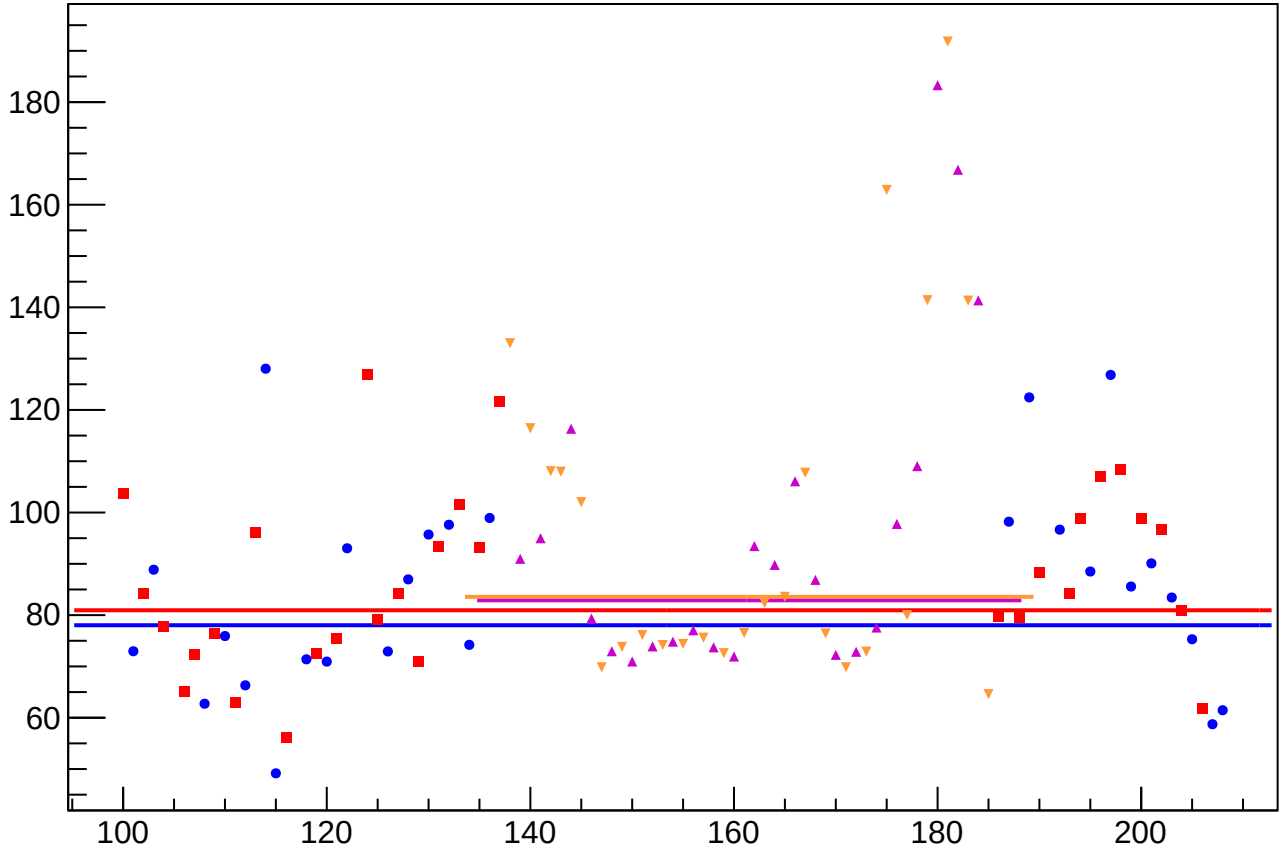
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.010+/-0.014 χ^2/NDF: 57.7/51

All: 0.014+/-0.010 χ^2/NDF: 129.4/104

- sign 0.018+/-0.015 χ^2/NDF: 71.5/52

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 78.030+/-0.015 χ^2/NDF: 1203599.8/26

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 80.946+/-0.015 χ^2/NDF: 957065.7/29

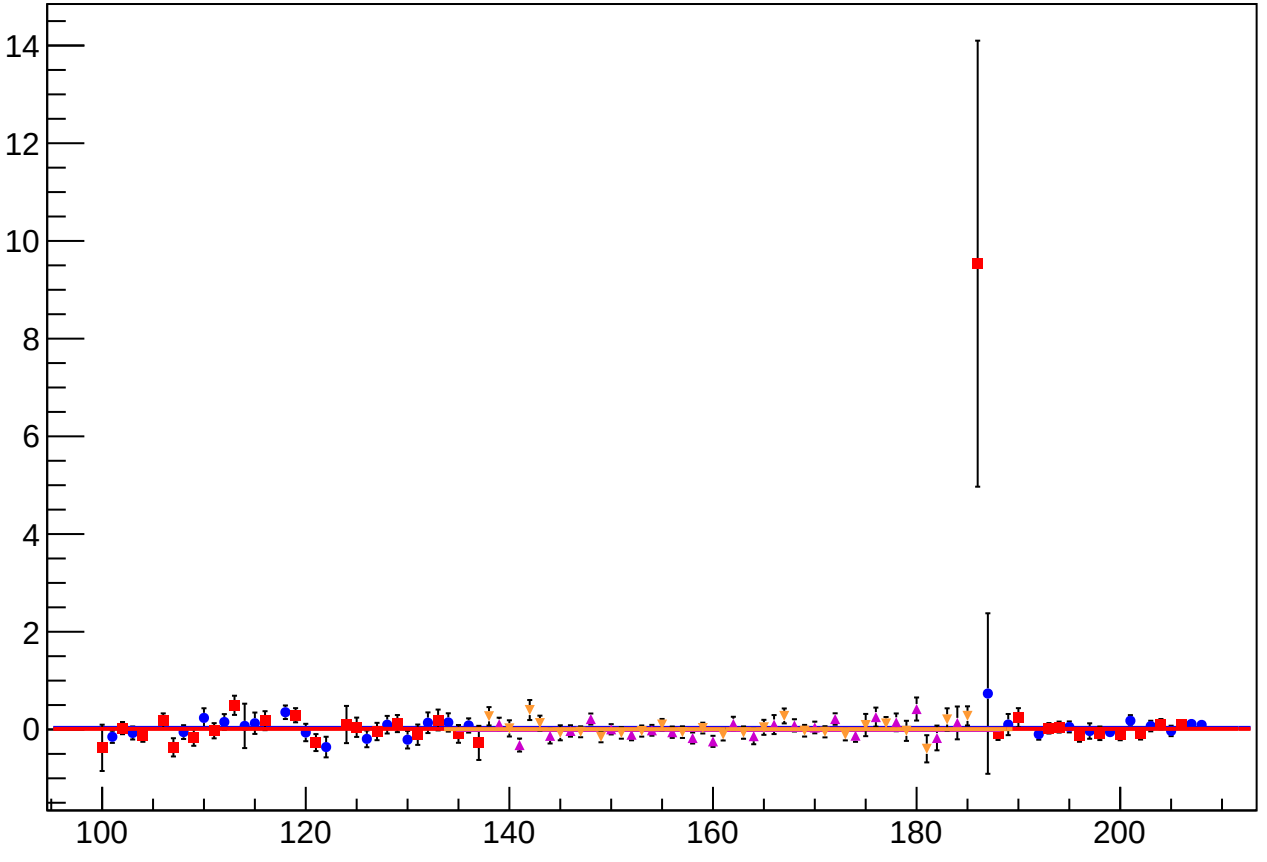
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

\+ sign 80.853+/-0.010 χ^2/NDF: 3449349.0/51

All: 81.389+/-0.007 χ^2/NDF: 5993721.0/104

\- sign 81.941+/-0.010 χ^2/NDF: 2538811.2/52

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.032+/-0.027 χ^2/NDF: 24.3/26

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.012+/-0.027 χ^2/NDF: 35.6/29

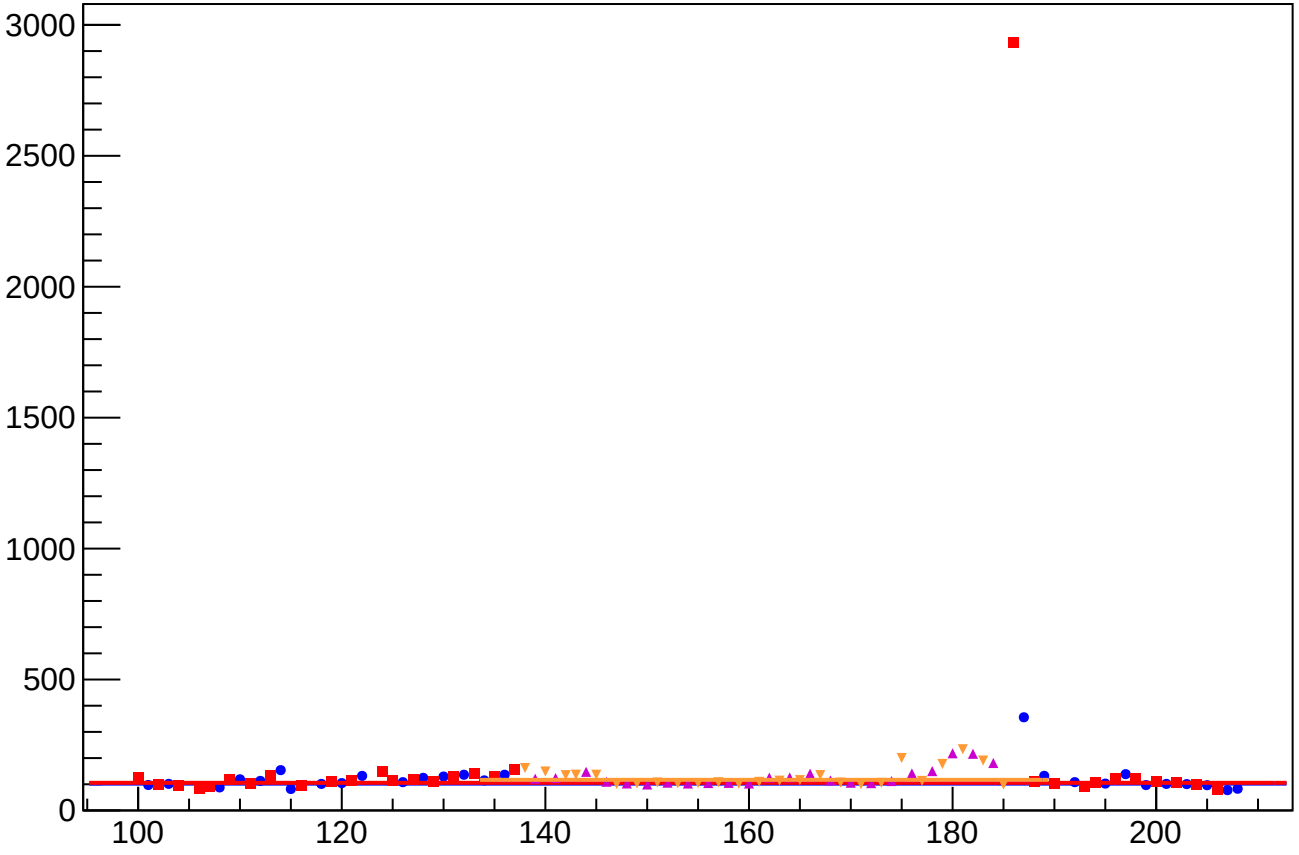
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.020+/-0.019 χ^2/NDF: 46.1/51

All: 0.011+/-0.014 χ^2/NDF: 113.7/104

- sign 0.001+/-0.020 χ^2/NDF: 67.2/52

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 102.530+/-0.019 χ^2/NDF: 851001.3/26

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 105.501+/-0.019 χ^2/NDF: 1397442.4/29

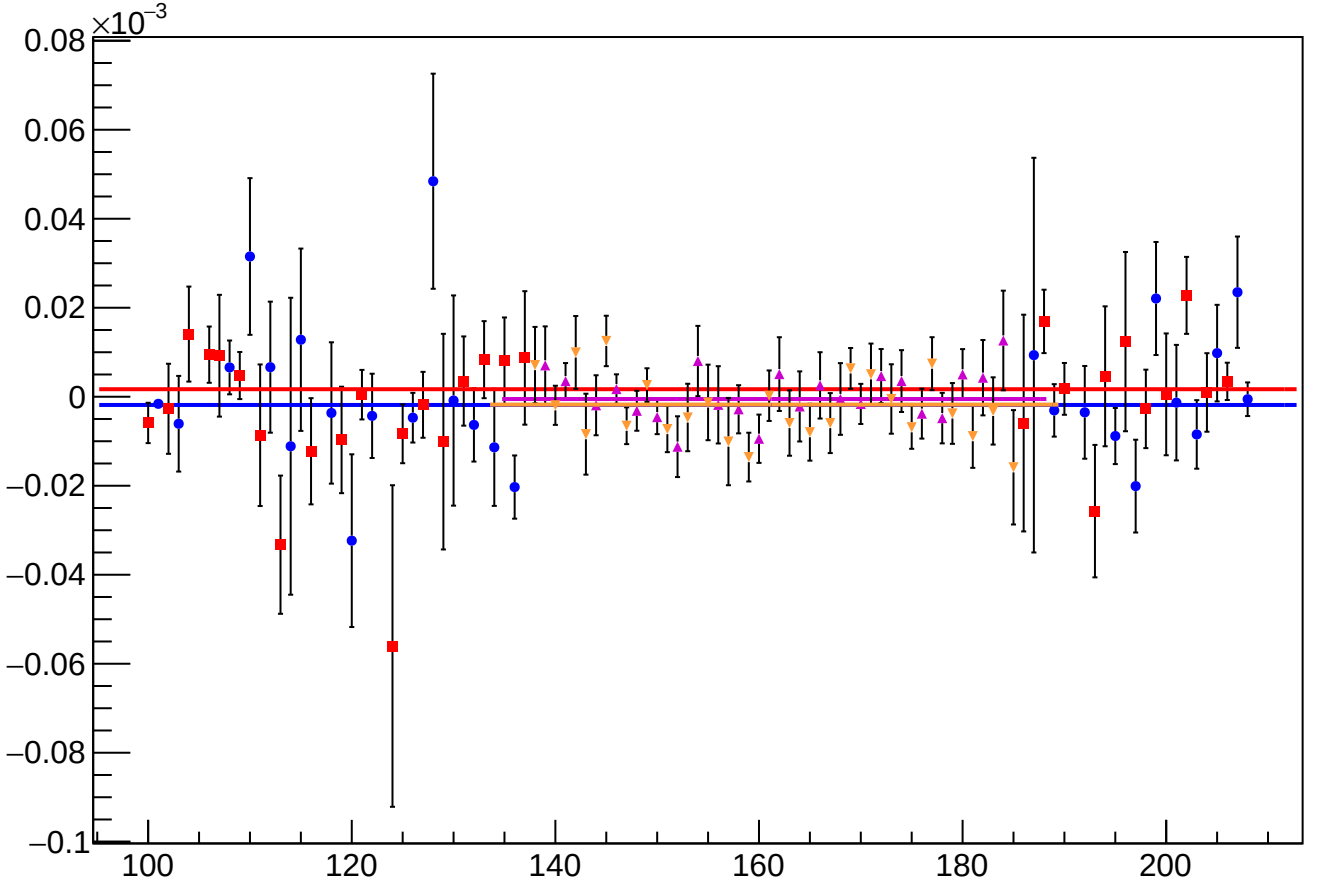
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 109.478+/-0.014 χ^2/NDF: 2723555.4/51

All: 109.996+/-0.010 χ^2/NDF: 5494388.4/104

- sign 110.531+/-0.014 χ^2/NDF: 2767907.6/52

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 35.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.6/29

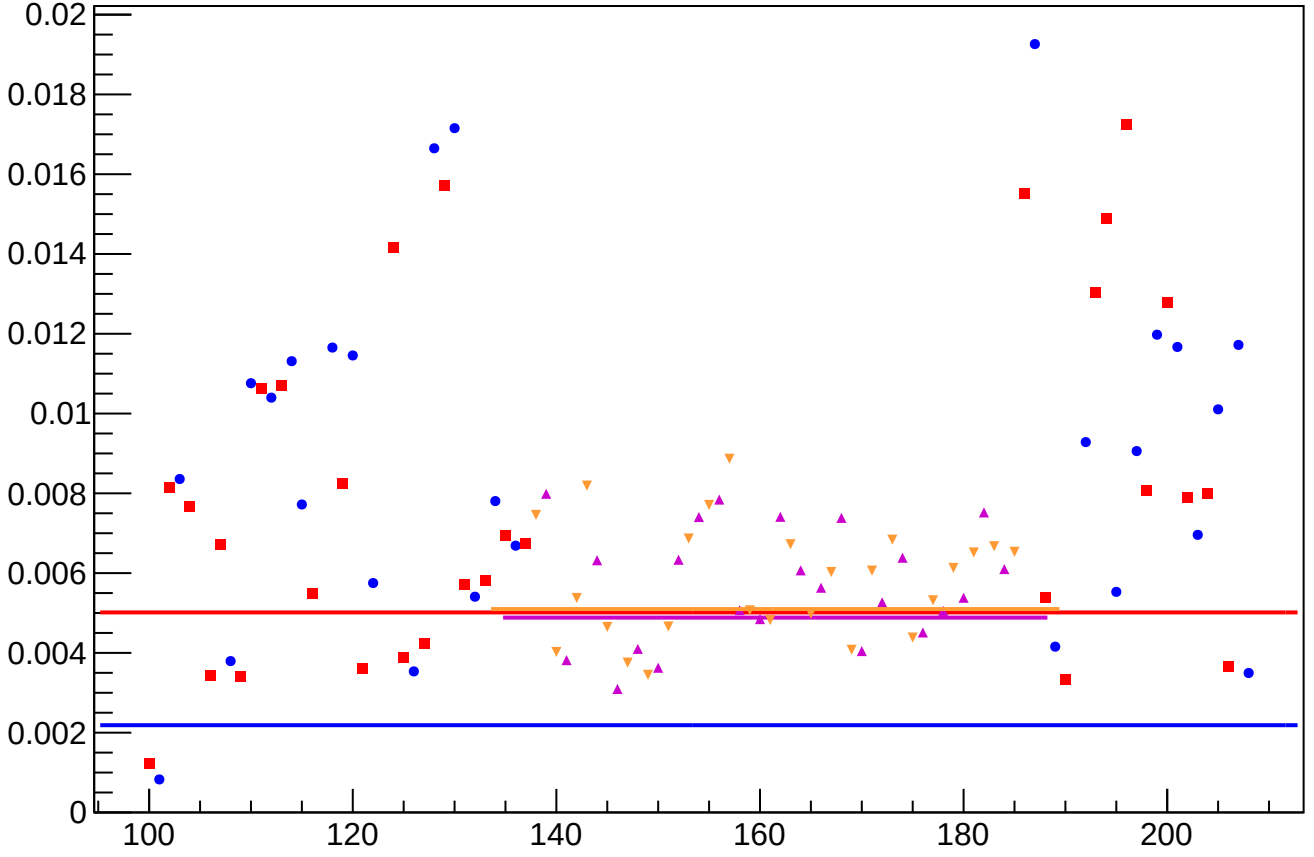
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.5/51

All: -0.000+/-0.000 χ^2/NDF: 122.3/104

- sign 0.000+/-0.000 χ^2/NDF: 52.5/52

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 18504415.1/26

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7776429.2/29

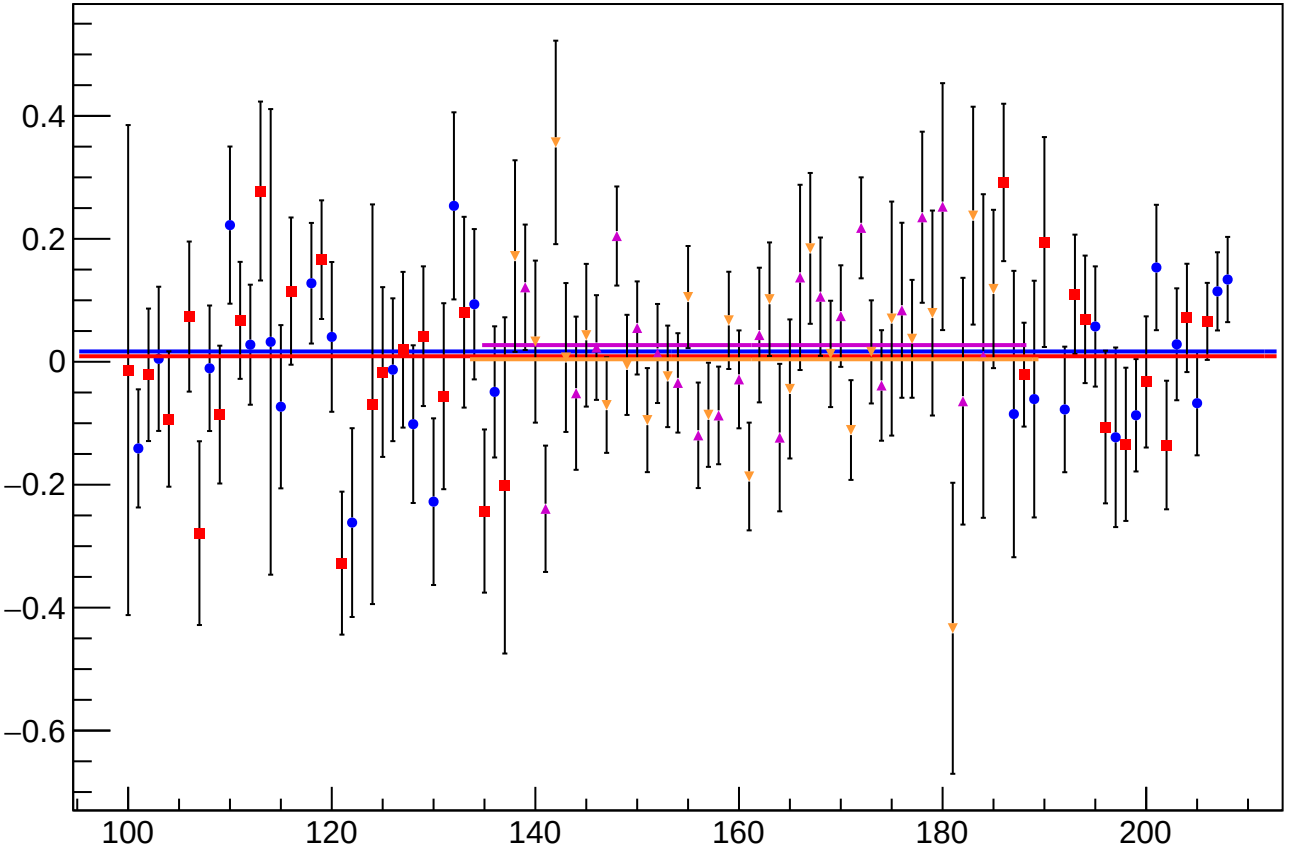
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 28343059.0/51

All: 0.004+/-0.000 χ^2/NDF: 43056412.8/104

- sign 0.005+/-0.000 χ^2/NDF: 10510954.8/52

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.021 χ^2/NDF: 29.4/26

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.009+/-0.021 χ^2/NDF: 39.2/29

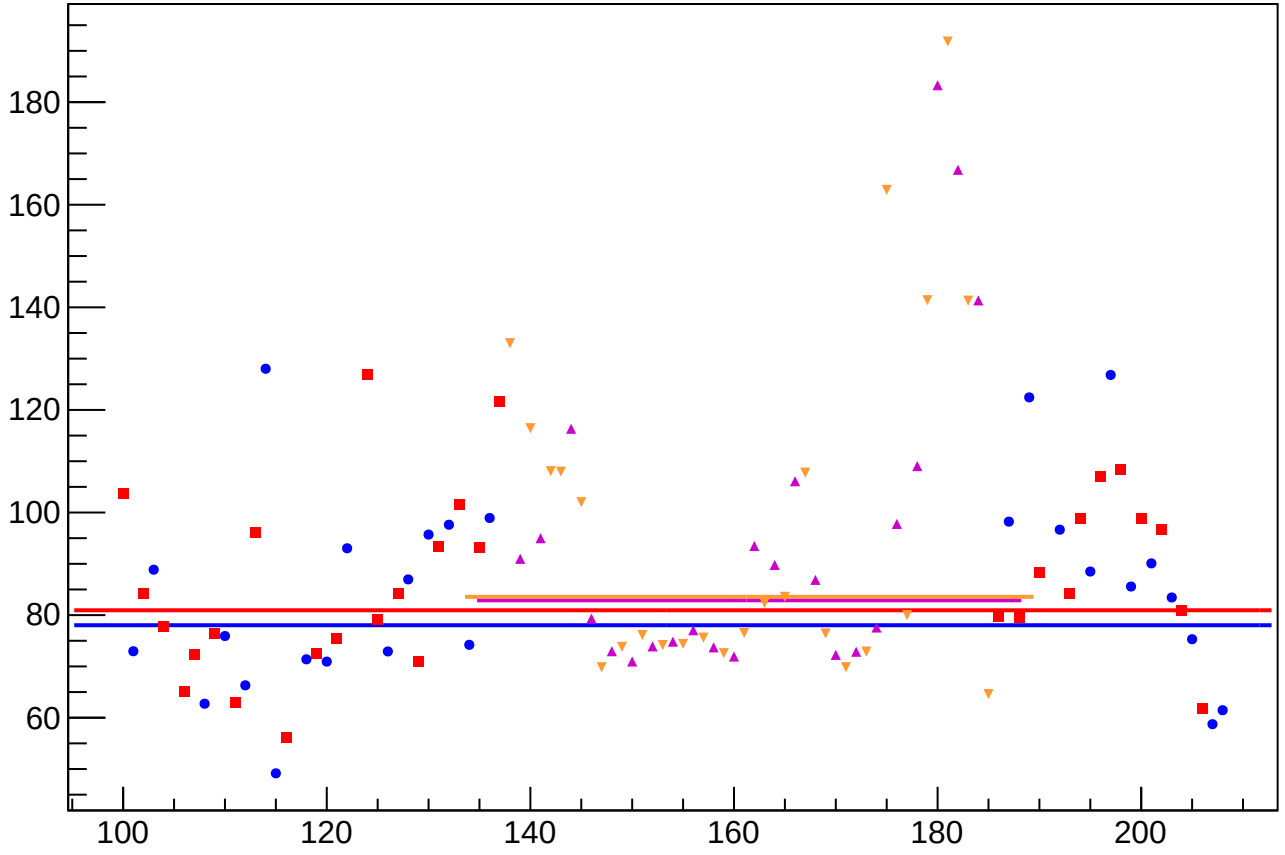
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.010+/-0.014 χ^2/NDF: 57.7/51

All: 0.014+/-0.010 χ^2/NDF: 129.4/104

- sign 0.018+/-0.015 χ^2/NDF: 71.5/52

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 78.030+/-0.015 χ^2/NDF: 1203508.5/26

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

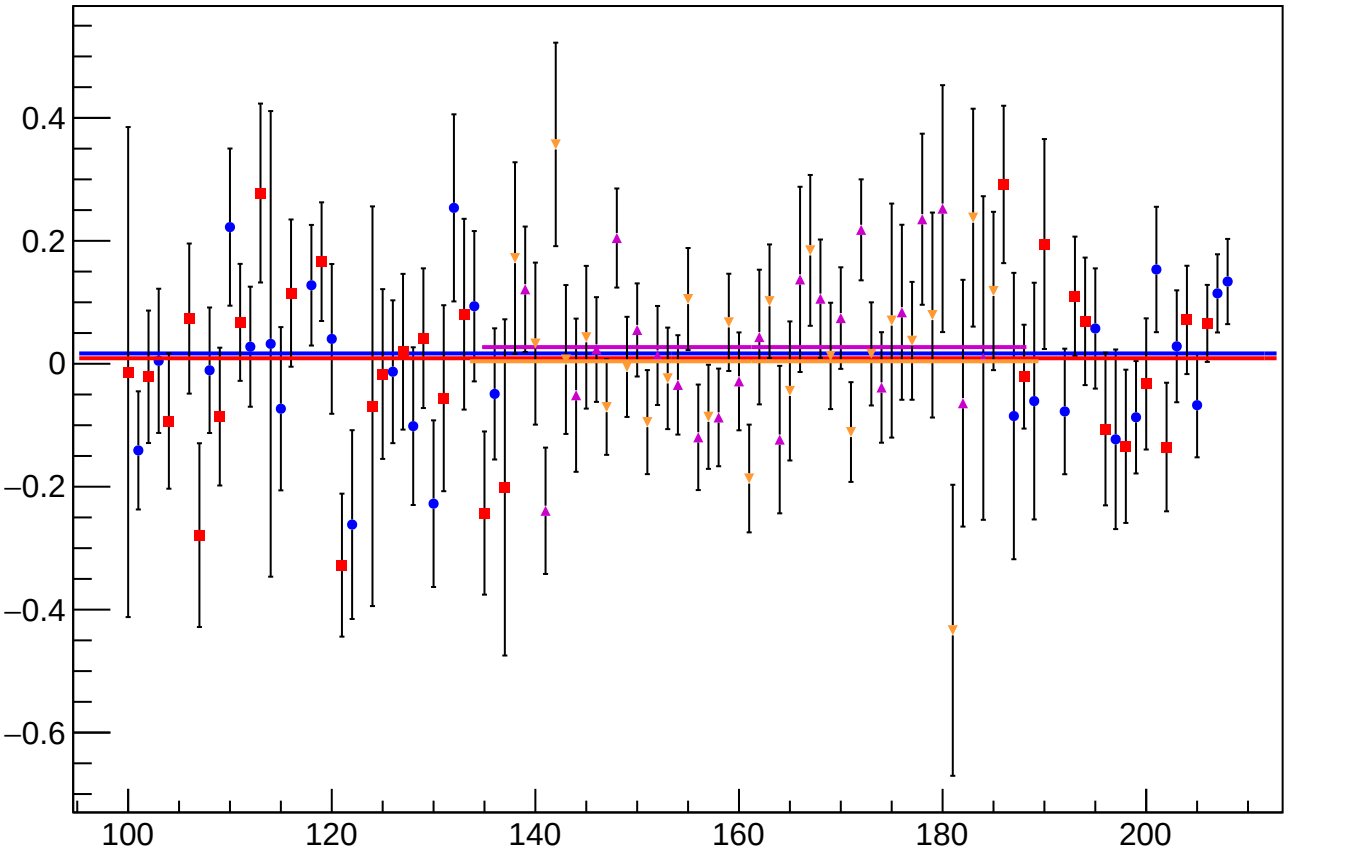
Right Out: 80.945+/-0.015 χ^2/NDF: 957018.3/29

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 80.853+/-0.010 χ^2/NDF: 3449262.0/51

All: 81.390+/-0.007 χ^2/NDF: 5993570.2/104

- sign 81.941+/-0.010 χ^2/NDF: 2538752.5/52



Right In: 0.017+/-0.021 χ^2/NDF: 29.4/26

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.009+/-0.021 χ^2/NDF: 39.2/29

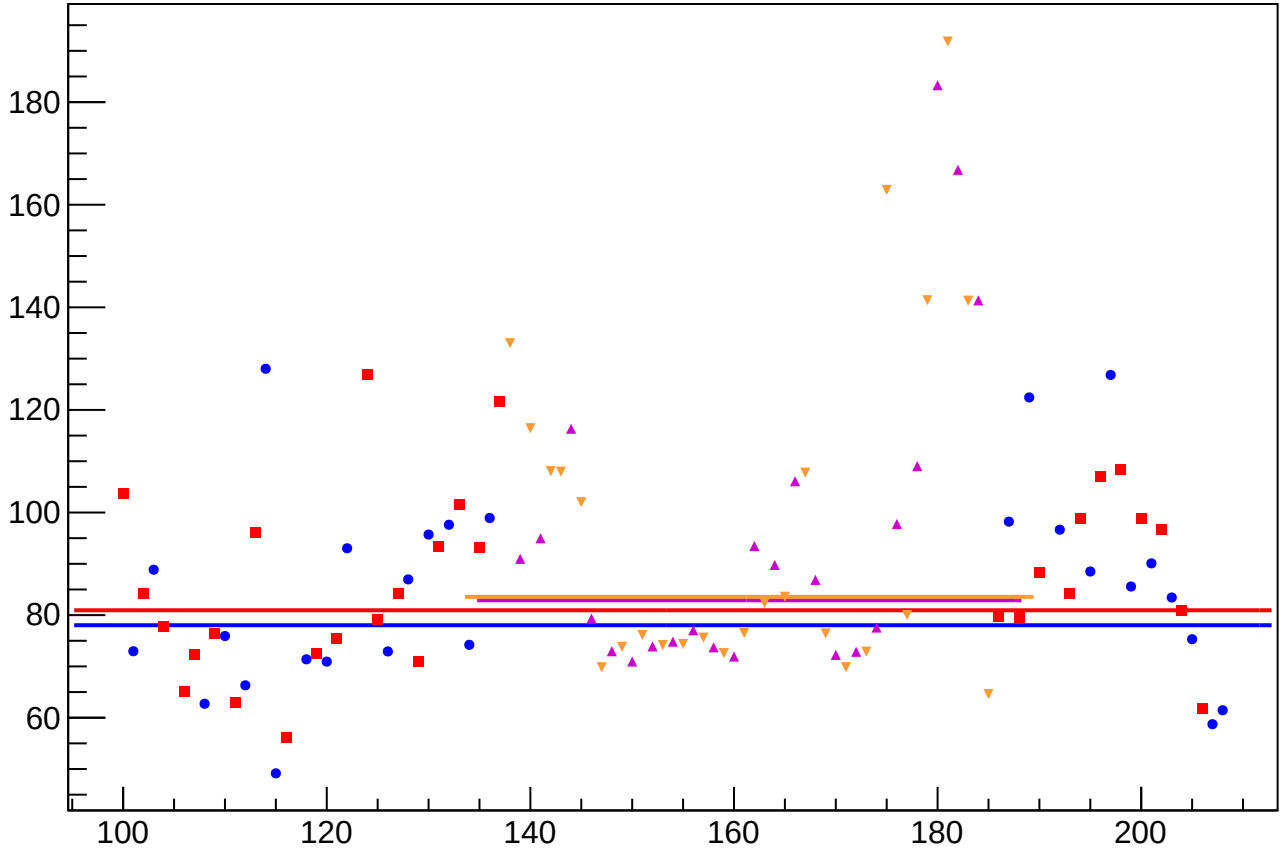
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.010+/-0.014 χ^2/NDF: 57.7/51

All: 0.014+/-0.010 χ^2/NDF: 129.4/104

- sign 0.018+/-0.015 χ^2/NDF: 71.5/52

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 78.030+/-0.015 χ^2/NDF: 1203508.5/26

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 80.945+/-0.015 χ^2/NDF: 957018.3/29

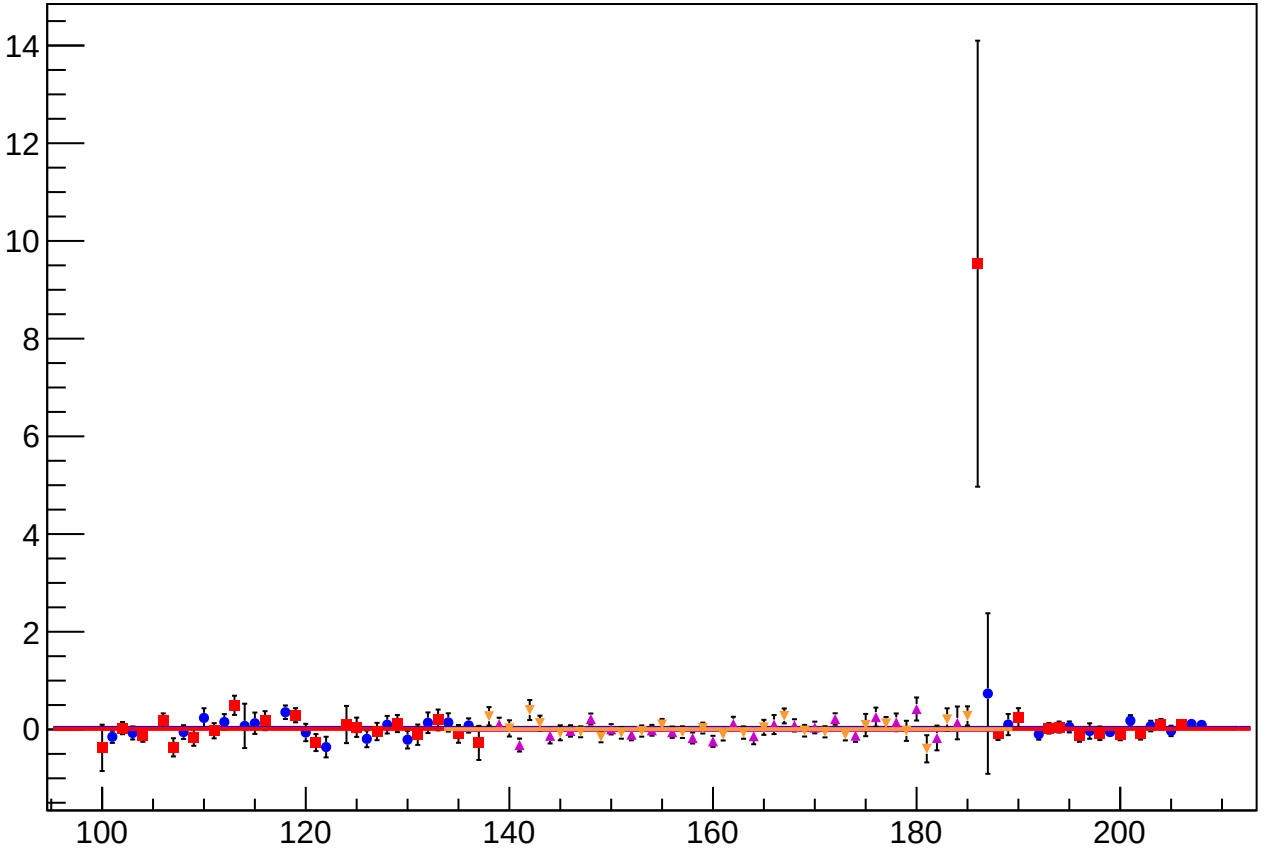
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 80.853+/-0.010 χ^2/NDF: 3449262.0/51

All: 81.390+/-0.007 χ^2/NDF: 5993570.2/104

- sign 81.941+/-0.010 χ^2/NDF: 2538752.5/52

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.032+/-0.027 χ^2/NDF: 24.3/26

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.012+/-0.027 χ^2/NDF: 35.6/29

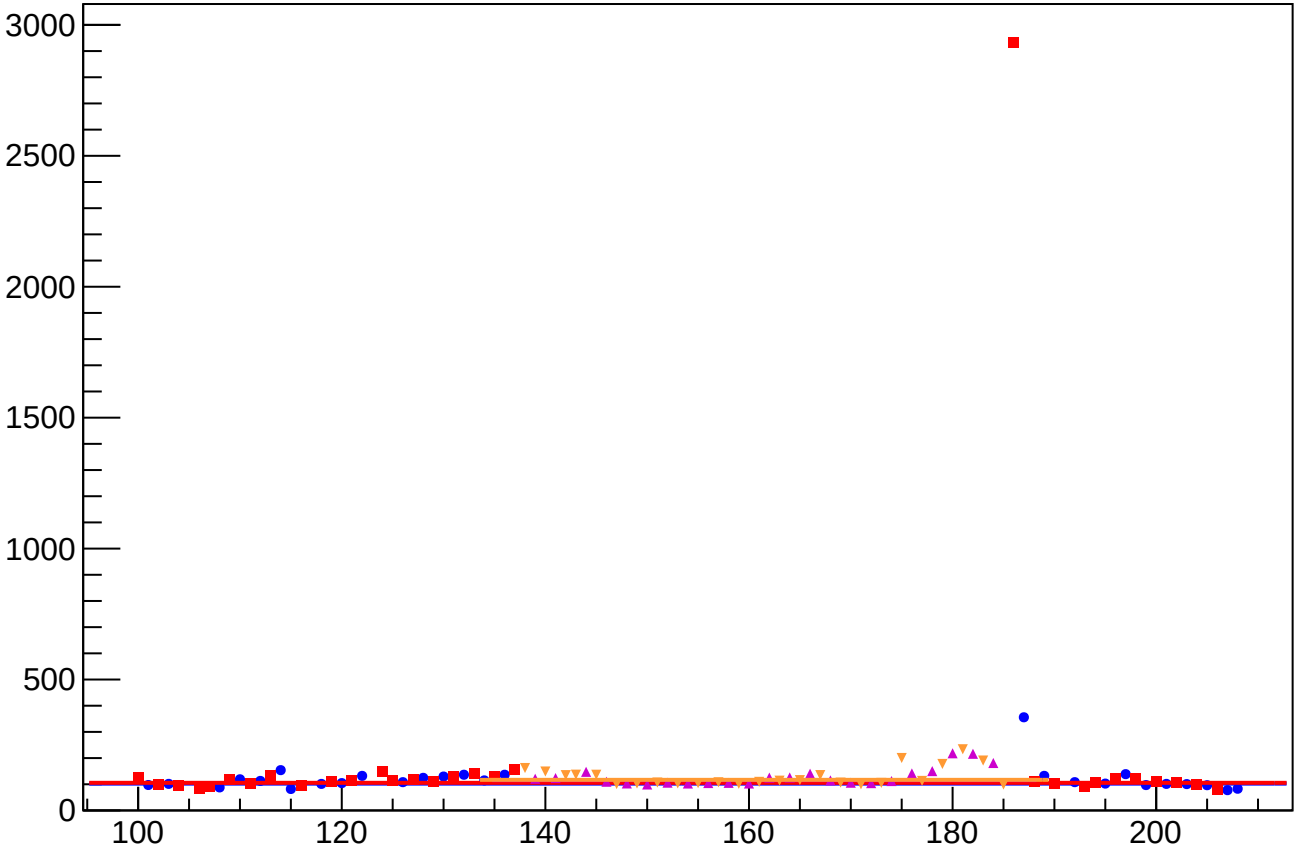
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.020+/-0.019 χ^2/NDF: 46.1/51

All: 0.011+/-0.014 χ^2/NDF: 113.7/104

- sign 0.001+/-0.020 χ^2/NDF: 67.2/52

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 102.530+/-0.019 χ^2/NDF: 850897.3/26

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 105.501+/-0.019 χ^2/NDF: 1397375.7/29

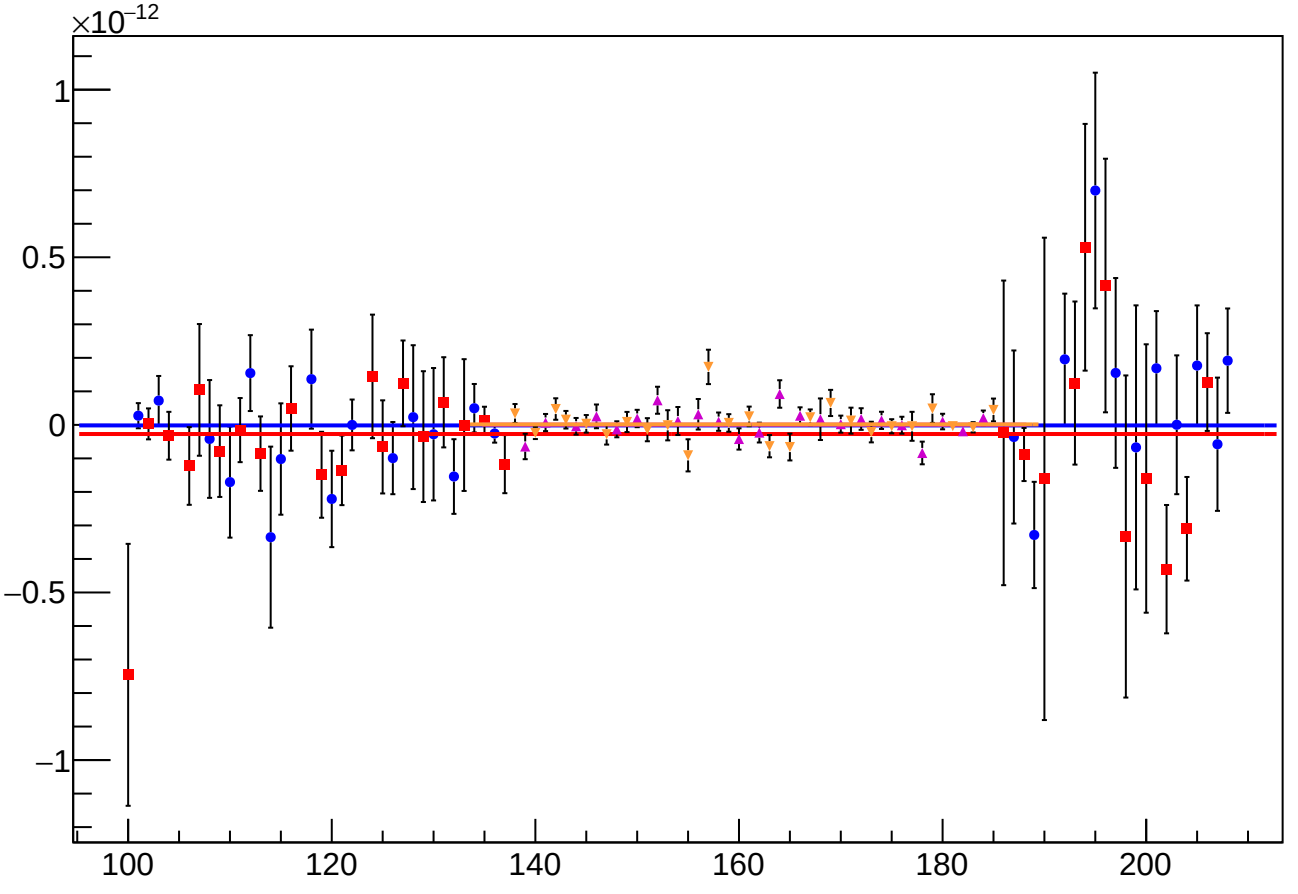
Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 109.478+/-0.014 χ^2/NDF: 2723453.5/51

All: 109.997+/-0.010 χ^2/NDF: 5494223.5/104

- sign 110.531+/-0.014 χ^2/NDF: 2767846.4/52

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.8/29

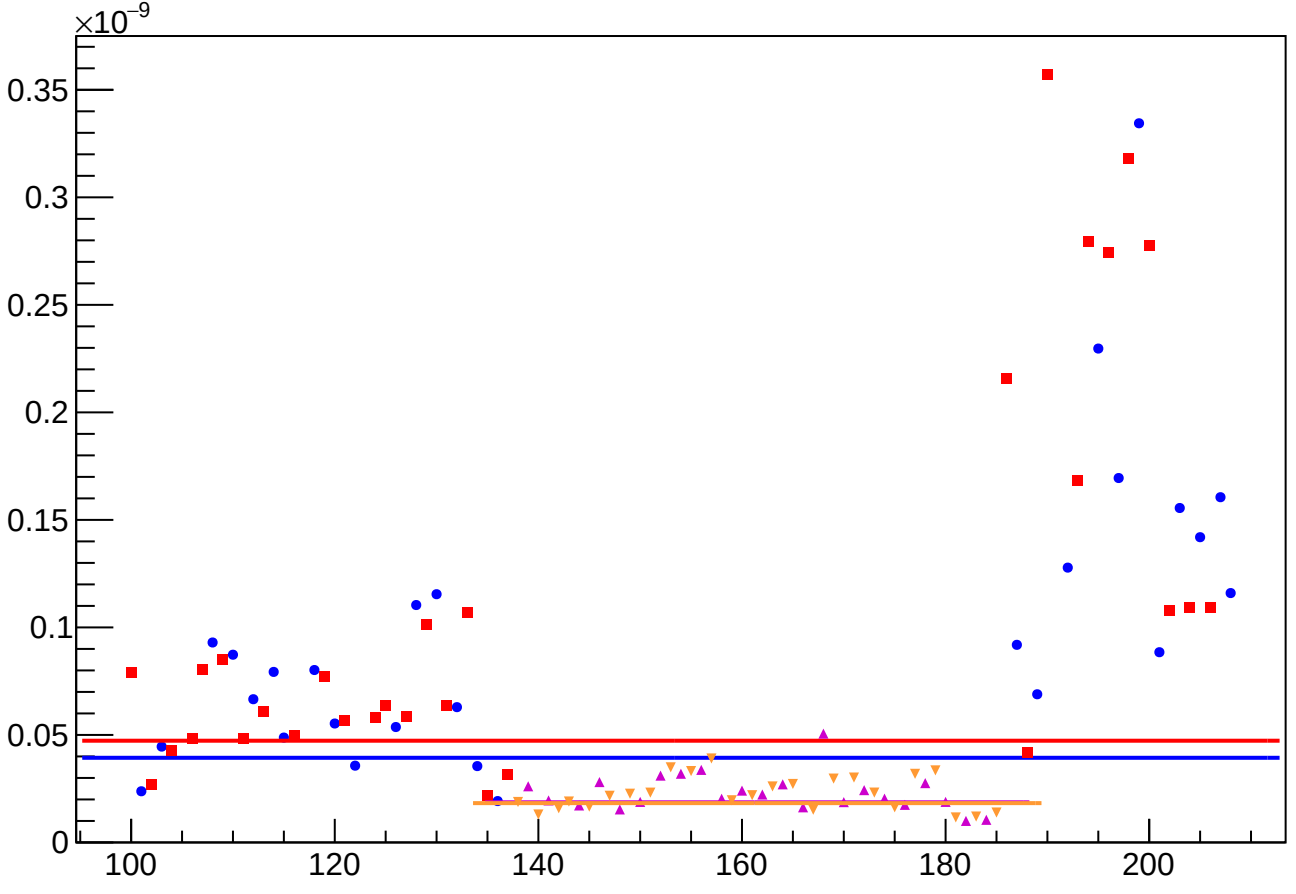
Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.5/51

All: -0.000+/-0.000 χ^2/NDF: 119.1/104

- sign -0.000+/-0.000 χ^2/NDF: 55.4/52

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8007588.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6935831.7/29

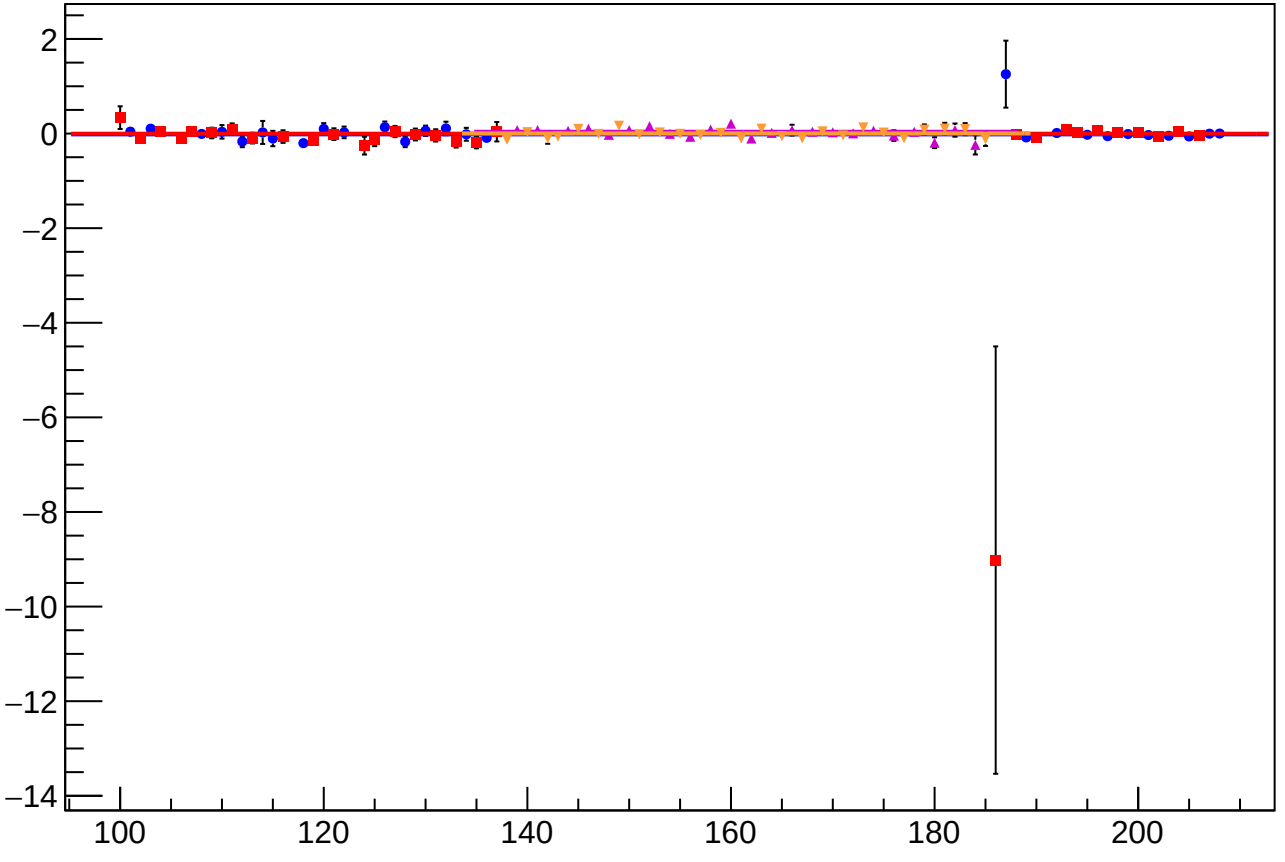
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13767693.6/51

All: 0.000+/-0.000 χ^2/NDF: 27515685.9/104

- sign 0.000+/-0.000 χ^2/NDF: 13732677.9/52

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.013 χ^2/NDF: 24.0/26

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.002+/-0.012 χ^2/NDF: 36.4/29

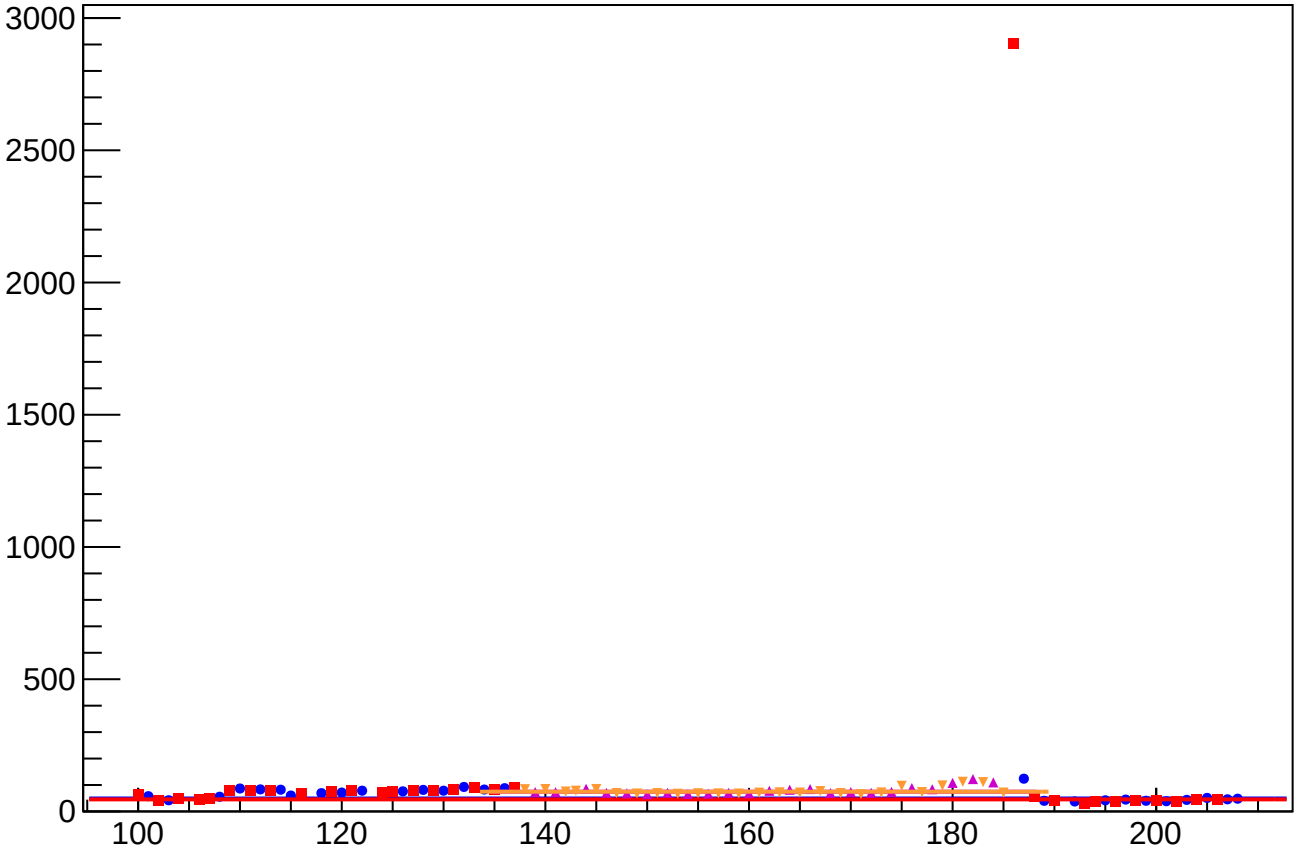
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

\+ sign -0.010+/-0.011 χ^2/NDF: 46.3/51

All: 0.001+/-0.007 χ^2/NDF: 109.8/104

\- sign 0.011+/-0.010 χ^2/NDF: 61.5/52

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 48.972+/-0.009 χ^2/NDF: 2249000.0/26

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

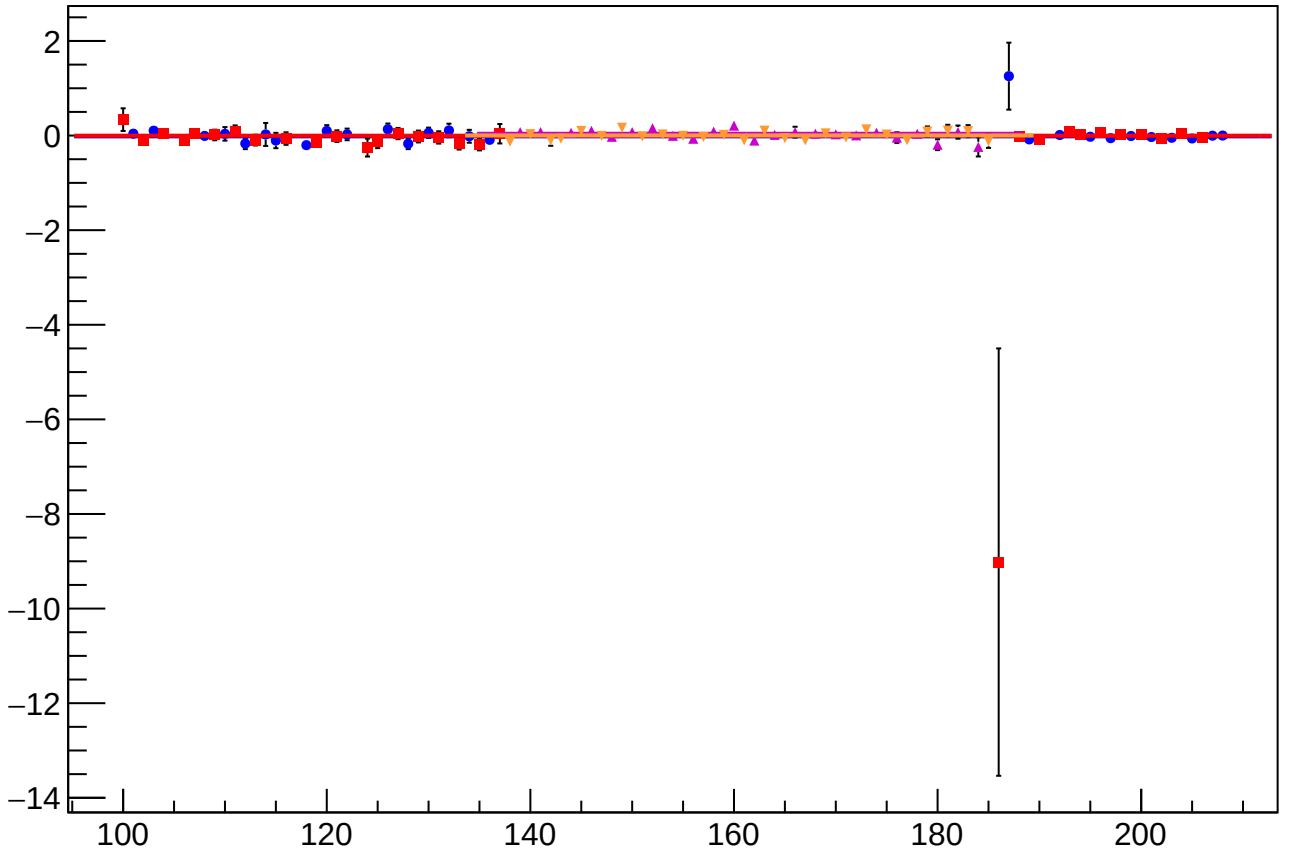
Right Out: 45.672+/-0.009 χ^2/NDF: 3611315.6/29

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 58.356+/-0.007 χ^2/NDF: 5776489.9/51

All: 56.716+/-0.005 χ^2/NDF: 13716327.4/104

- sign 55.161+/-0.007 χ^2/NDF: 7845019.0/52



Right In: -0.017+/-0.013 χ^2/NDF: 24.0/26

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

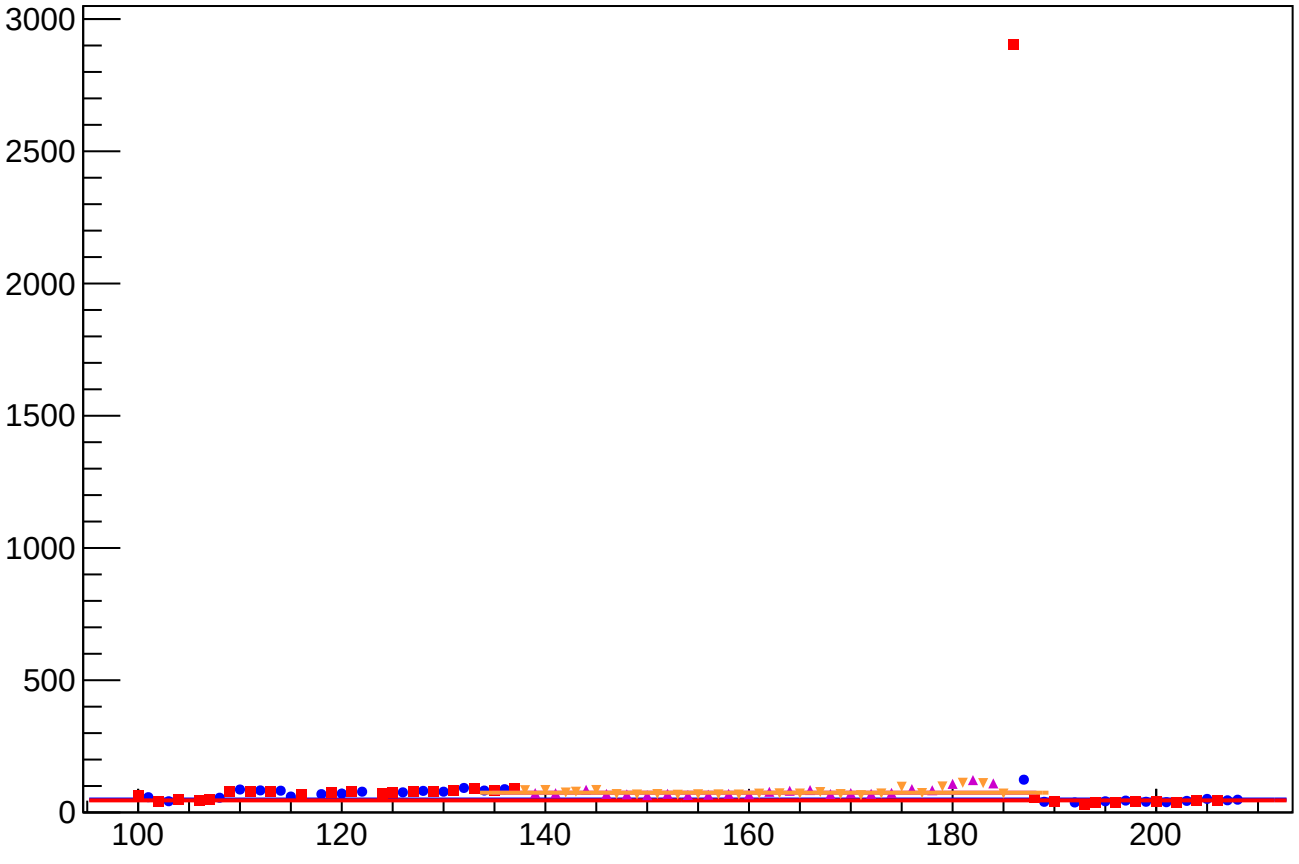
Right Out: -0.002+/-0.012 χ^2/NDF: 36.4/29

Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.010+/-0.011 χ^2/NDF: 46.3/51

All: 0.001+/-0.007 χ^2/NDF: 109.8/104

- sign 0.011+/-0.010 χ^2/NDF: 61.5/52



Right In: 48.972+/-0.009 χ^2/NDF: 2249000.0/26

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.672+/-0.009 χ^2/NDF: 3611315.6/29

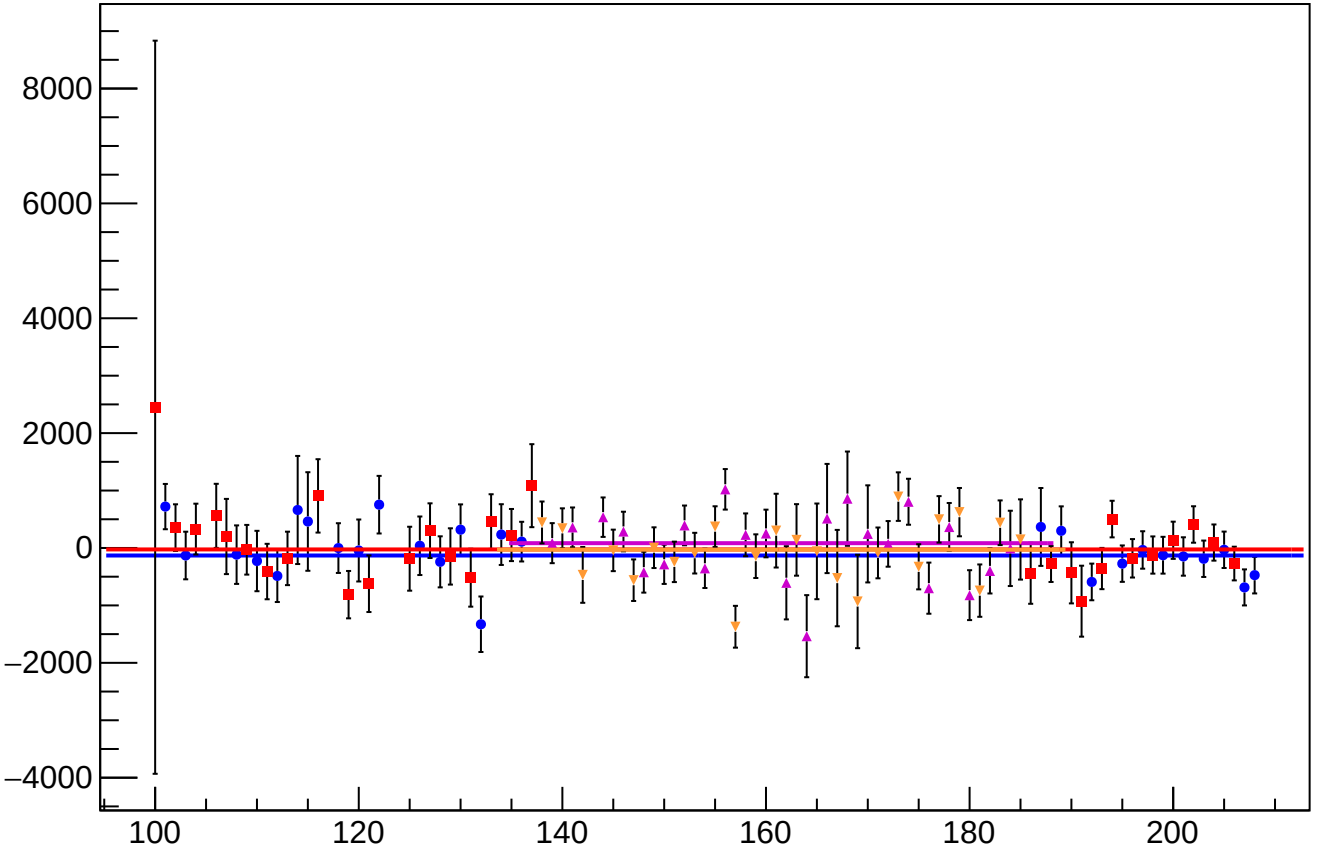
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 58.356+/-0.007 χ^2/NDF: 5776489.9/51

All: 56.716+/-0.005 χ^2/NDF: 13716327.4/104

- sign 55.161+/-0.007 χ^2/NDF: 7845019.0/52

asym_dsl_mean vs Slug



Right In: -130.954+/-77.715 χ^2/NDF: 26.4/26

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -25.367+/-77.271 χ^2/NDF: 27.0/29

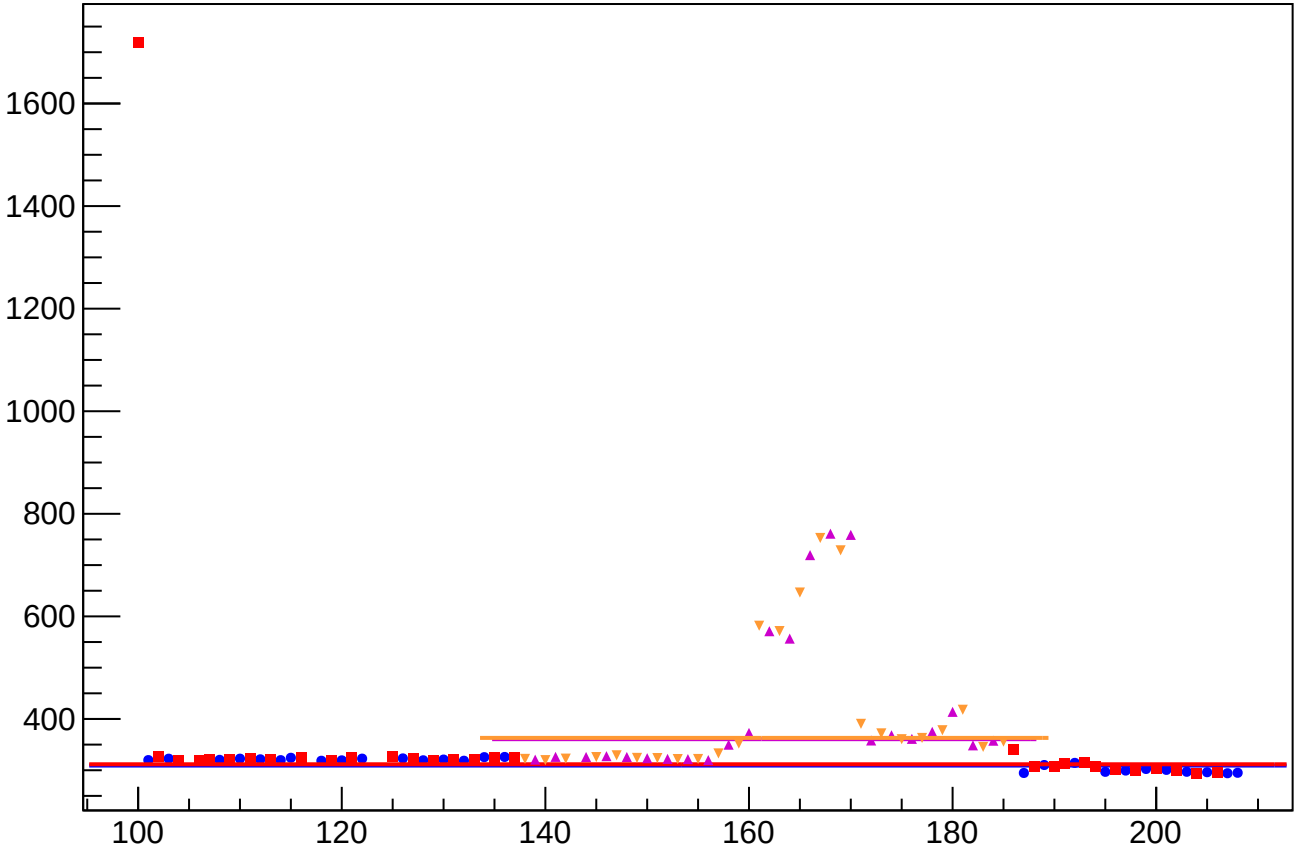
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -85.588+/-57.819 χ^2/NDF: 63.7/50

All: -31.074+/-40.813 χ^2/NDF: 129.2/103

- sign 23.064+/-57.619 χ^2/NDF: 63.7/52

asym_dsl_rms vs Slug



Right In: 309.178+/-0.055 χ^2/NDF: 45670.9/26

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 311.647+/-0.055 χ^2/NDF: 142782.4/29

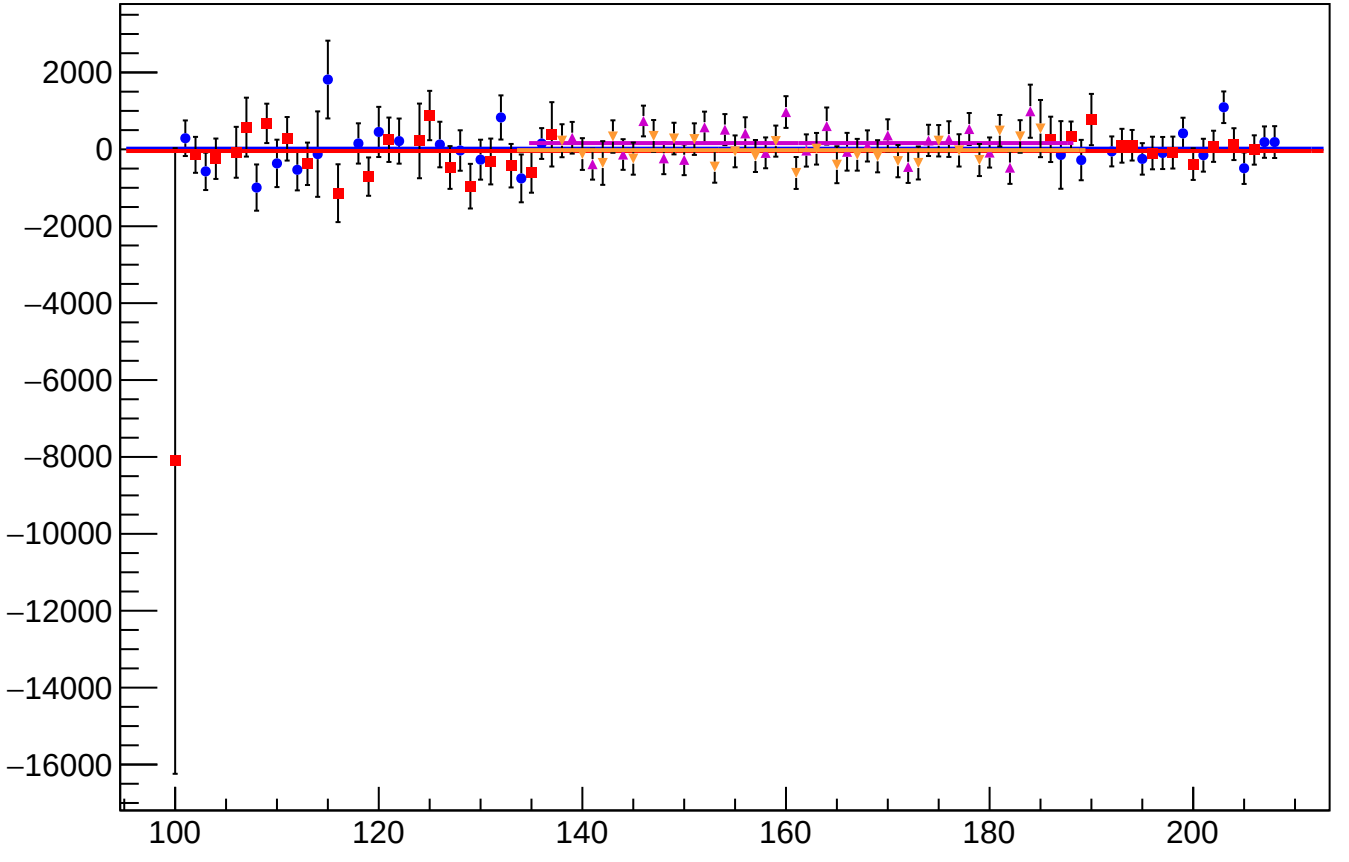
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 333.244+/-0.041 χ^2/NDF: 2270801.0/50

All: 333.309+/-0.029 χ^2/NDF: 4587441.0/103

- sign 333.374+/-0.041 χ^2/NDF: 2316635.0/52

asym_dsr_mean vs Slug



Right In: 17.474+/-95.814 χ^2/NDF: 24.6/26

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -43.348+/-94.905 χ^2/NDF: 19.8/29

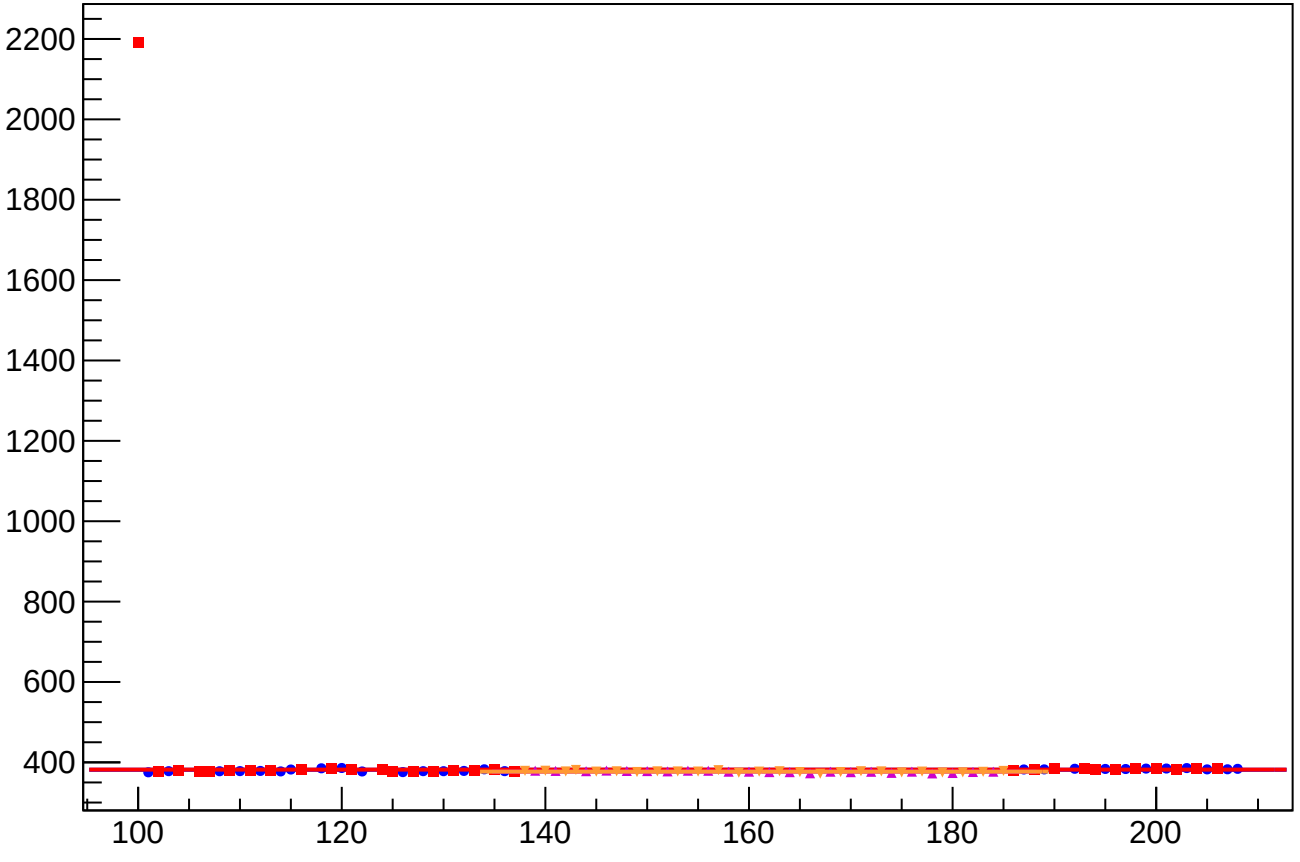
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

\+ sign -3.952+/-63.843 χ^2/NDF: 37.3/51

All: 31.449+/-45.383 χ^2/NDF: 82.1/104

\- sign 67.610+/-64.525 χ^2/NDF: 44.1/52

asym_dsr_rms vs Slug



Right In: 381.516+/-0.068 χ^2/NDF: 2240.5/26

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.919+/-0.067 χ^2/NDF: 100665.9/29

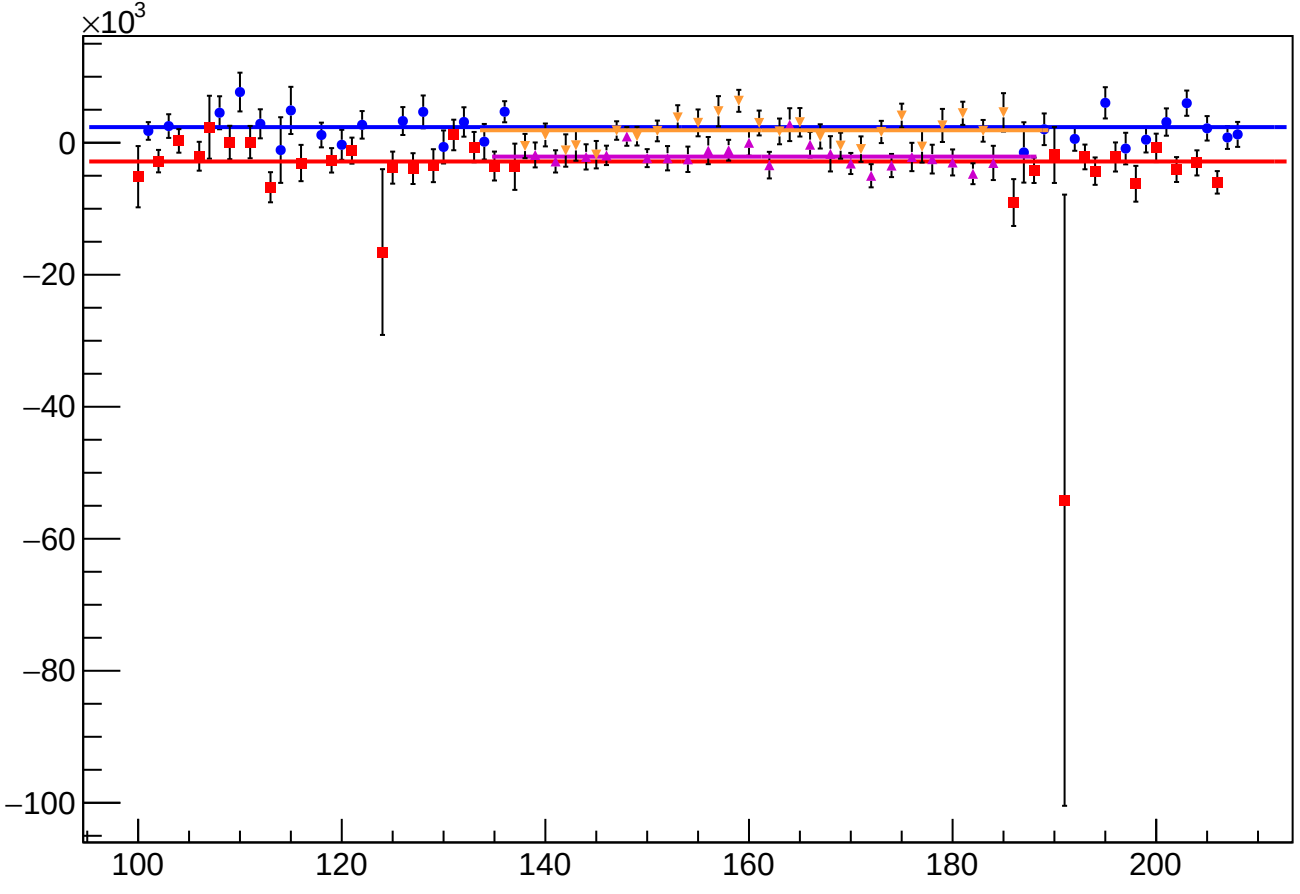
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 378.953+/-0.045 χ^2/NDF: 5873.6/51

All: 379.071+/-0.032 χ^2/NDF: 110700.1/104

- sign 379.191+/-0.046 χ^2/NDF: 104812.8/52

asym_us_agg_avg_mean vs Slug



Right In: 2365.678+/-407.649 χ^2/NDF: 24.4/26

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2840.979+/-417.980 χ^2/NDF: 28.6/30

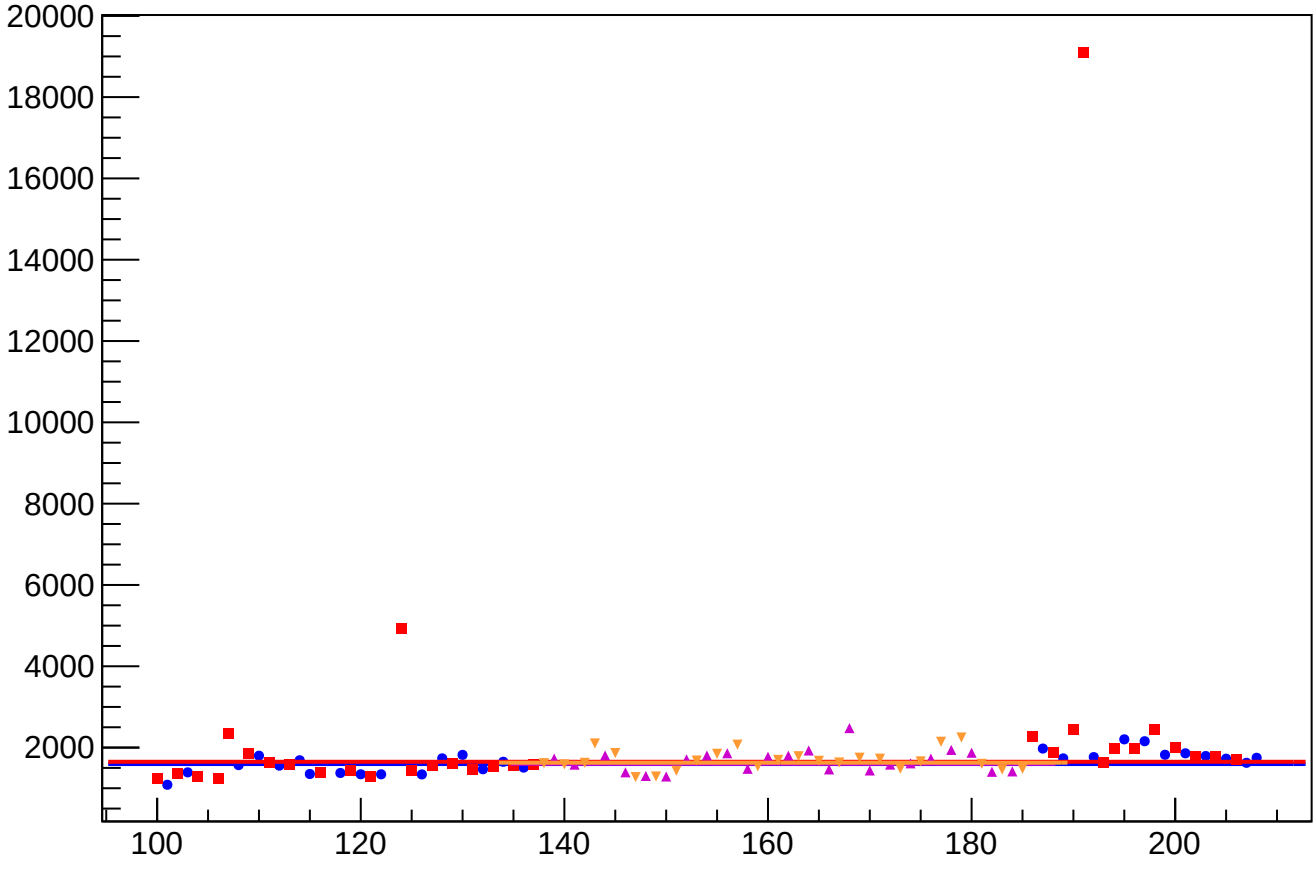
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2108.863+/-276.102 χ^2/NDF: 53.5/51

All: -126.011+/-196.869 χ^2/NDF: 235.6/105

- sign -2437.356+/-280.786 χ^2/NDF: 48.9/53

asym_us_agg_avg_rms vs Slug



Right In: 1594.894+/-0.288 χ^2/NDF: 868583.4/26

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1650.871+/-0.296 χ^2/NDF: 1358899.2/30

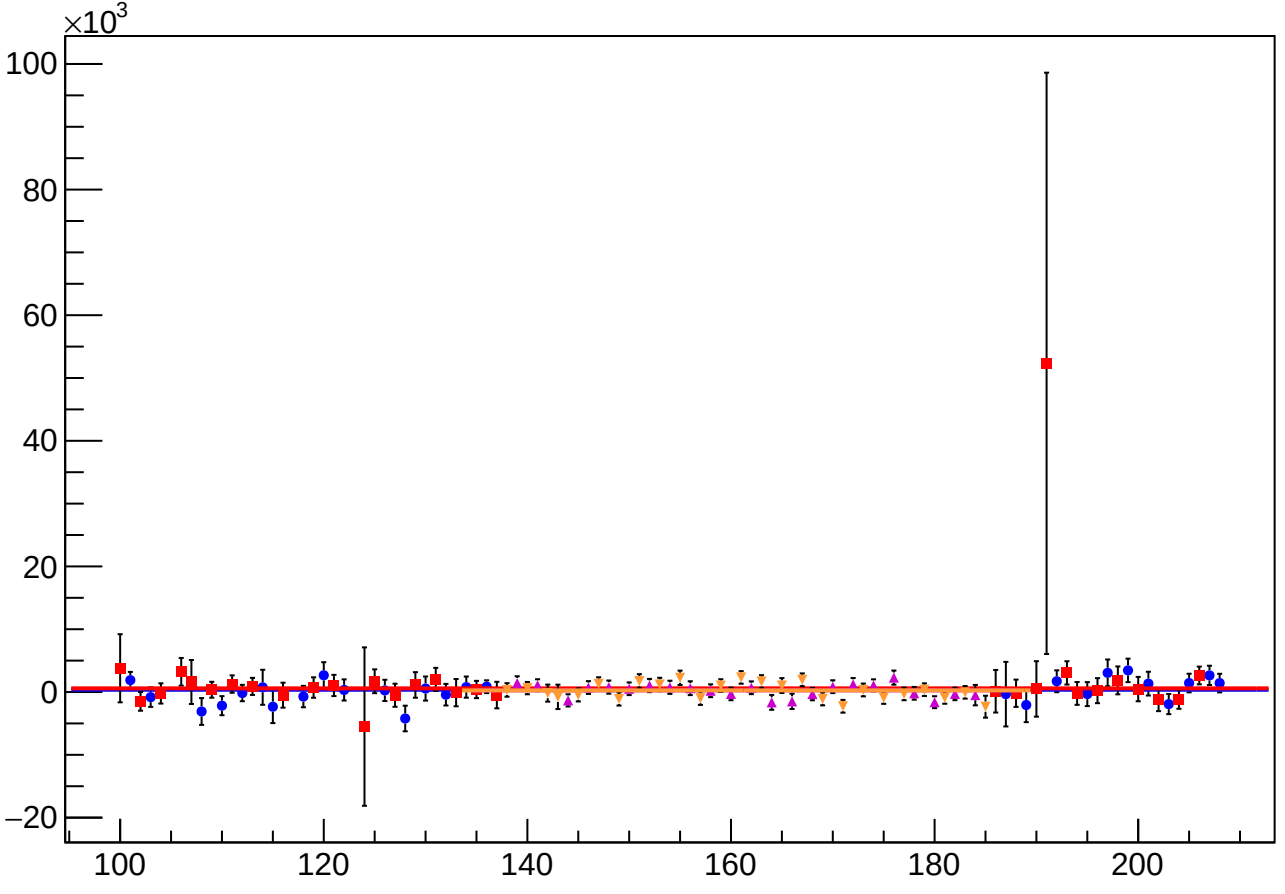
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1613.072+/-0.195 χ^2/NDF: 1655025.6/51

All: 1618.335+/-0.139 χ^2/NDF: 3824439.6/10

- sign 1623.778+/-0.199 χ^2/NDF: 2167935.8/53

asym_us_agg_dd_mean vs Slug



Right In: 362.347+/-329.029 χ^2/NDF: 27.2/26

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 583.032+/-336.940 χ^2/NDF: 14.9/30

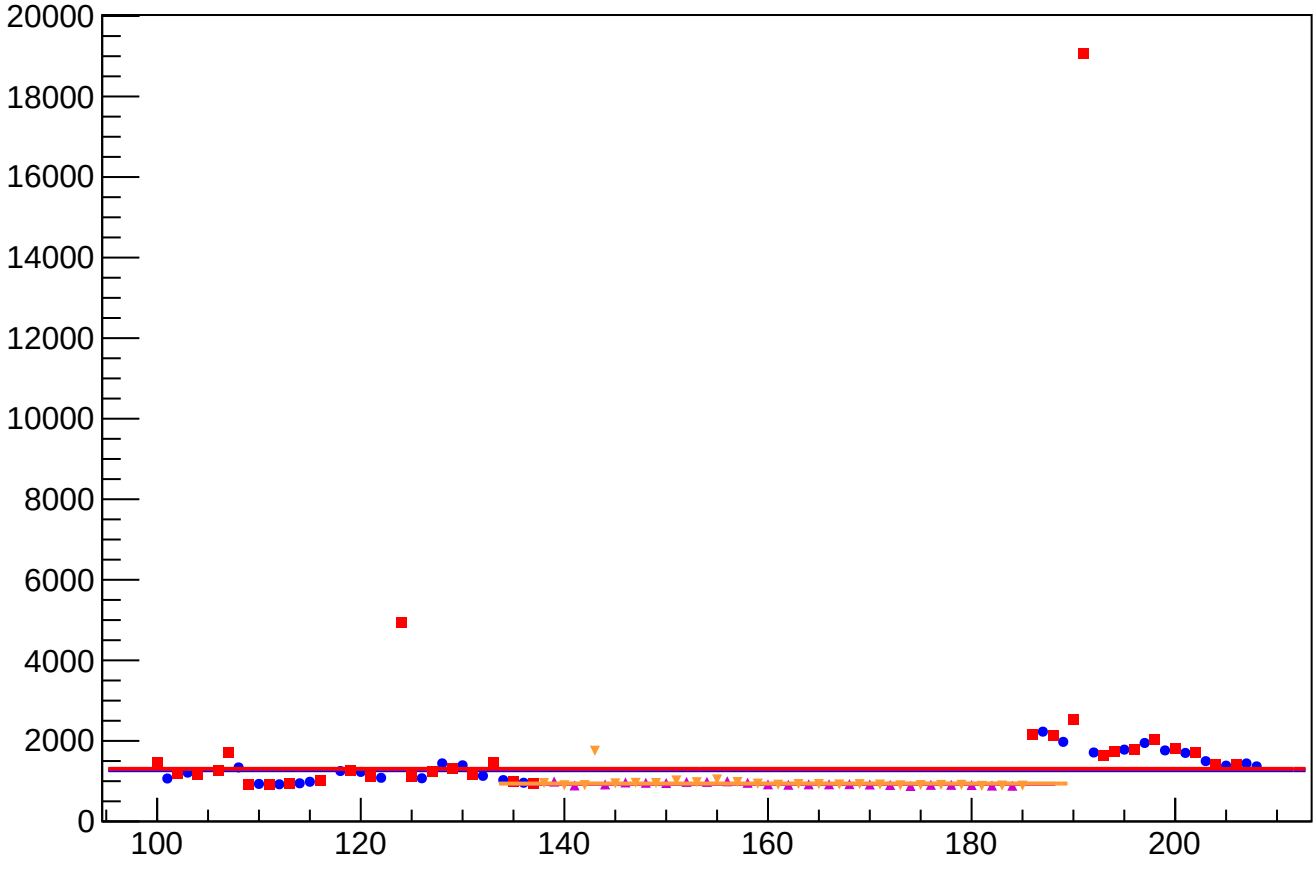
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 292.287+/-179.960 χ^2/NDF: 61.1/51

All: 325.658+/-128.259 χ^2/NDF: 98.1/105

- sign 360.108+/-182.845 χ^2/NDF: 36.8/53

asym_us_agg_dd_rms vs Slug



Right In: 1272.432+/-0.233 χ^2/NDF: 1667983.4/26

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1306.054+/-0.238 χ^2/NDF: 2632952.9/30

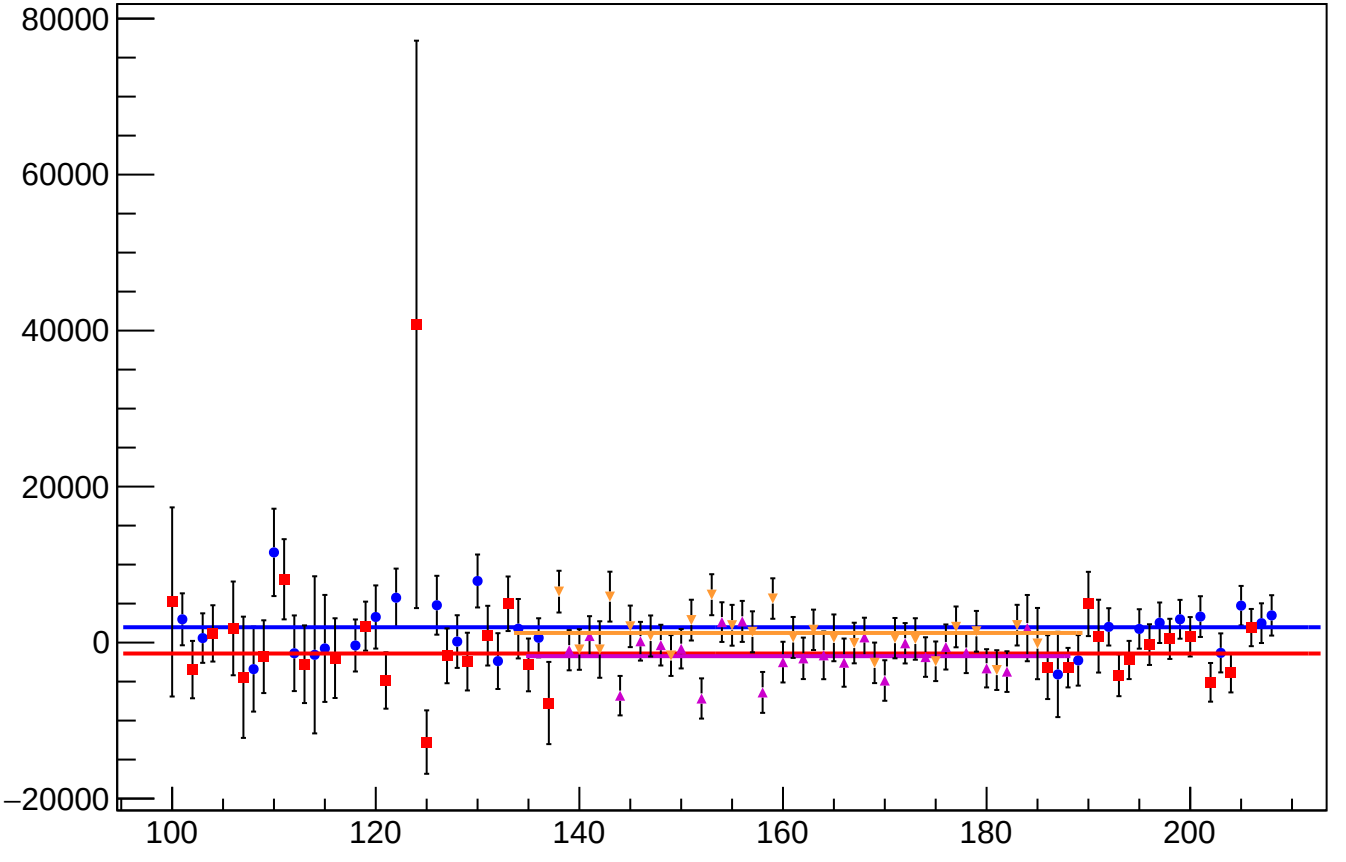
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1040.156+/-0.127 χ^2/NDF: 3507836.0/51

All: 1040.986+/-0.091 χ^2/NDF: 7932872.3/10

- sign 1041.843+/-0.129 χ^2/NDF: 4424949.7/53

reg_asym_atl1_mean vs Slug



Right In: 1966.869+/-615.708 χ^2/NDF: 19.0/26

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1401.871+/-619.418 χ^2/NDF: 32.9/30

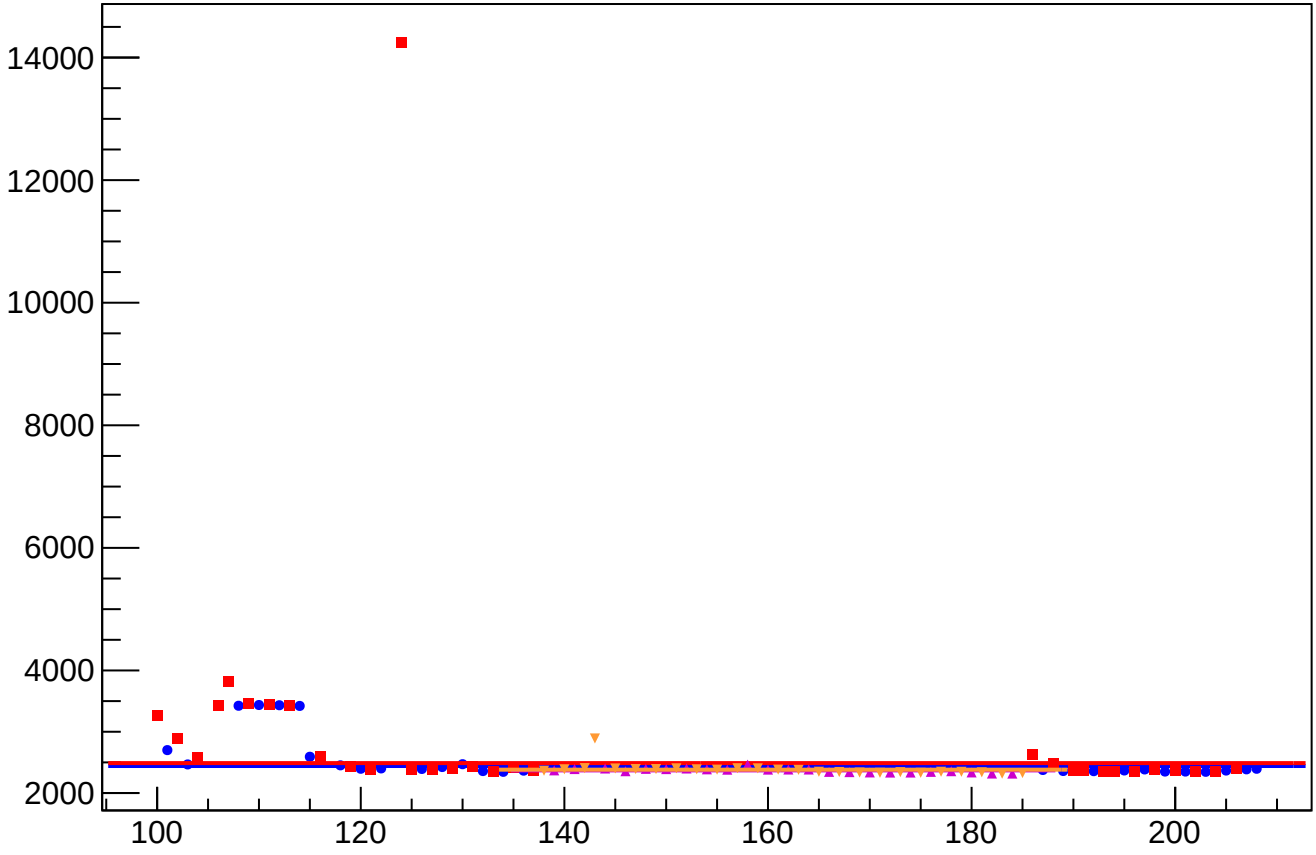
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1553.901+/-406.528 χ^2/NDF: 43.7/51

All: 4.903+/-289.591 χ^2/NDF: 130.5/105

- sign -1590.915+/-412.626 χ^2/NDF: 57.4/53

reg_asym_atl1_rms vs Slug



Right In: 2441.047+/-0.435 χ^2/NDF: 266893.2/26

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2488.504+/-0.438 χ^2/NDF: 633512.6/30

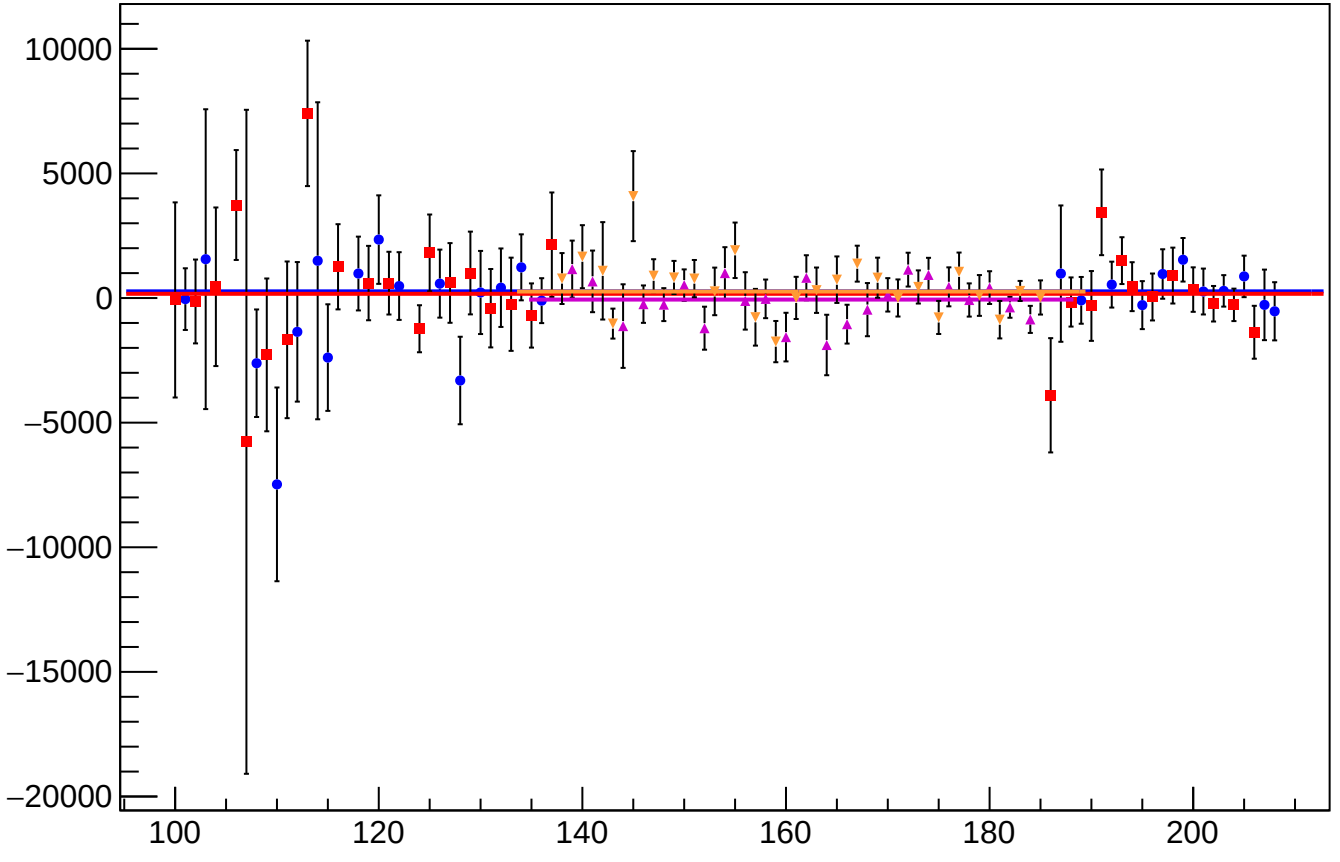
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2407.310+/-0.287 χ^2/NDF: 335162.0/51

All: 2414.666+/-0.205 χ^2/NDF: 1018181.3/10

- sign 2422.245+/-0.292 χ^2/NDF: 681689.7/53

asym_atl1_reg_correction_mean vs Slug



Right In: 268.338+/-233.820 χ^2/NDF: 18.7/26

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 169.929+/-229.853 χ^2/NDF: 28.3/30

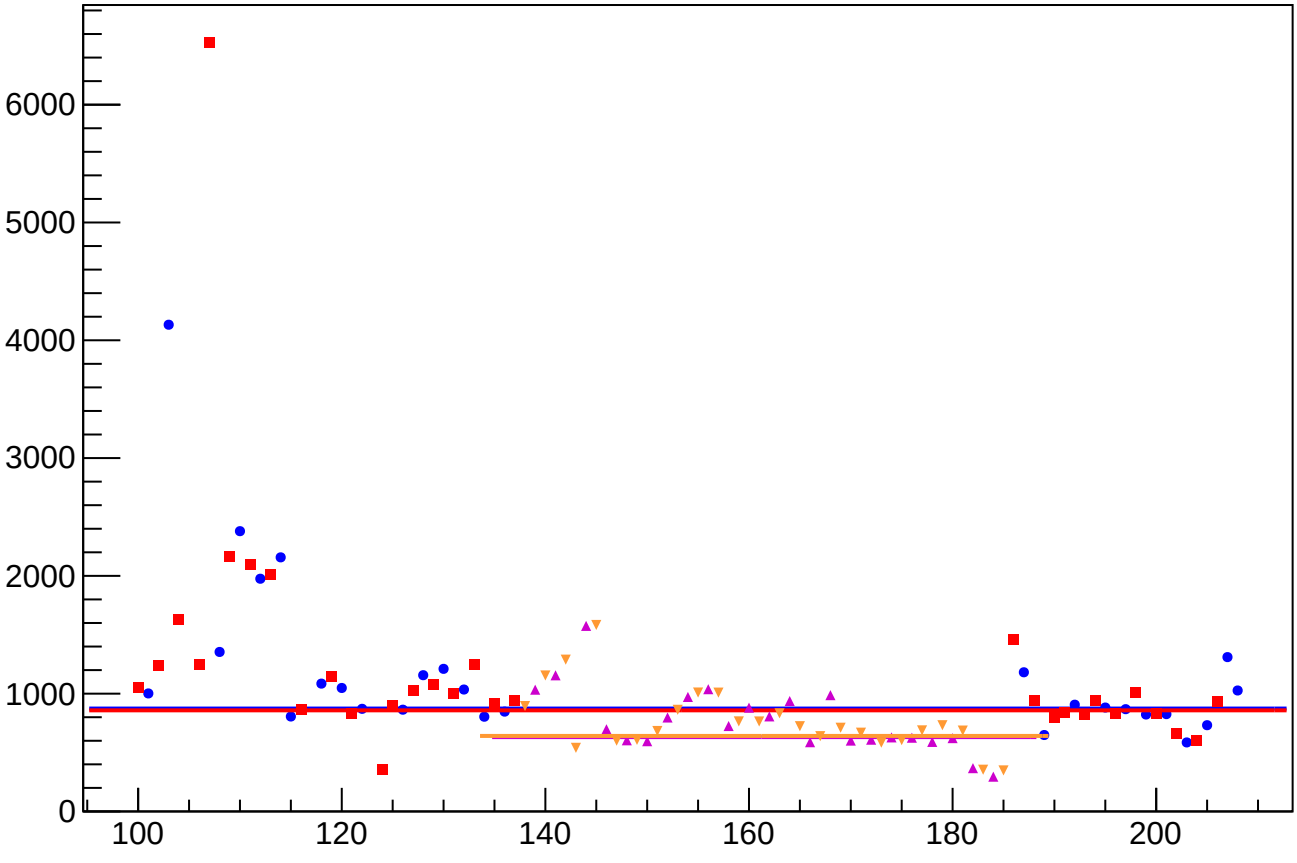
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 263.832+/-128.616 χ^2/NDF: 49.8/51

All: 139.163+/-91.384 χ^2/NDF: 102.6/105

- sign 12.063+/-129.865 χ^2/NDF: 50.9/53

asym_atl1_reg_correction_rms vs Slug



Right In: 873.504+/-0.165 χ^2/NDF: 2475732.0/26

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 858.442+/-0.163 χ^2/NDF: 3133378.6/30

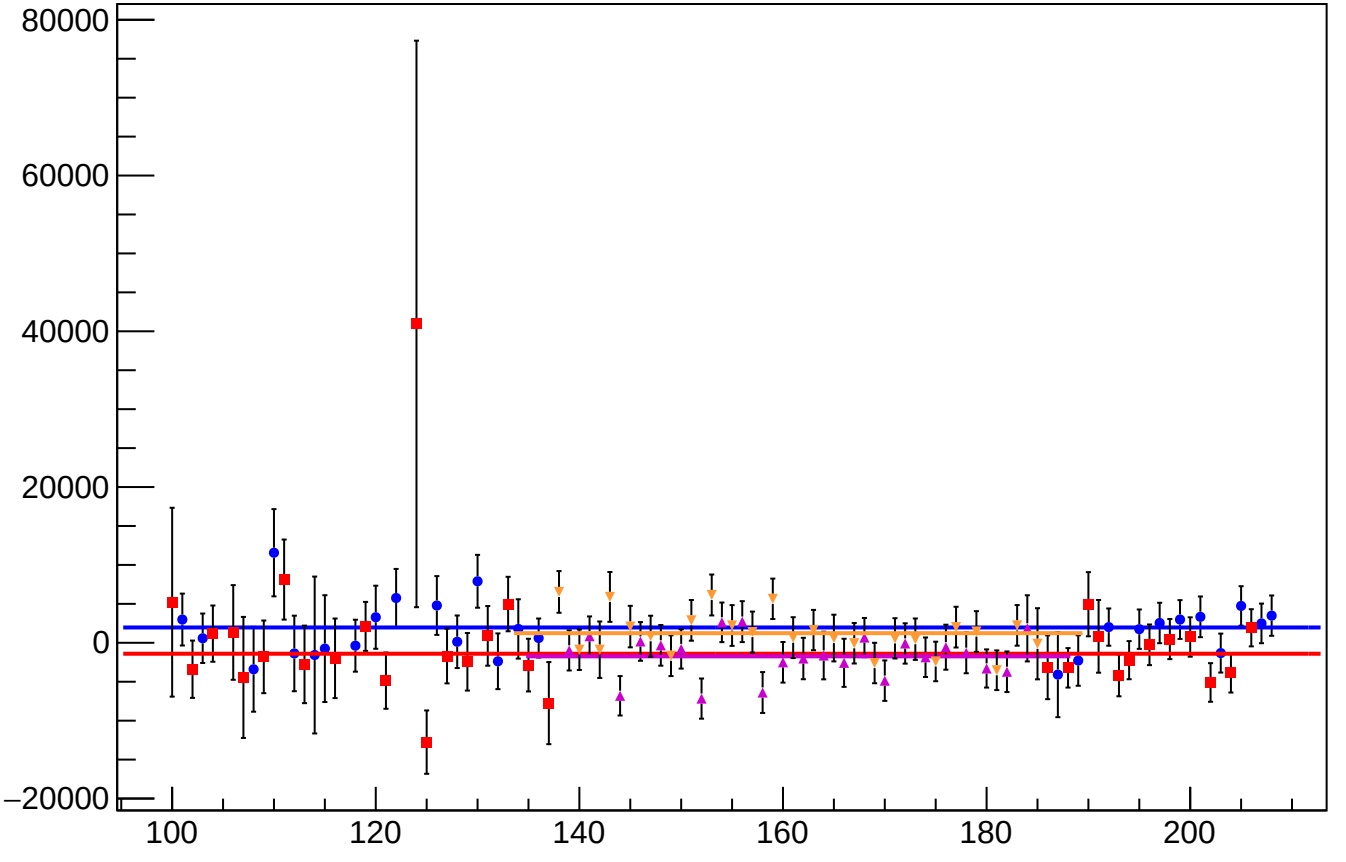
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 711.458+/-0.091 χ^2/NDF: 7327935.2/51

All: 707.636+/-0.065 χ^2/NDF: 15771150.8/10

- sign 703.738+/-0.092 χ^2/NDF: 8439647.4/53

cor_asym_atl1_mean vs Slug



Right In: 1967.116+/-615.708 χ^2/NDF: 19.0/26

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1405.712+/-619.492 χ^2/NDF: 32.8/30

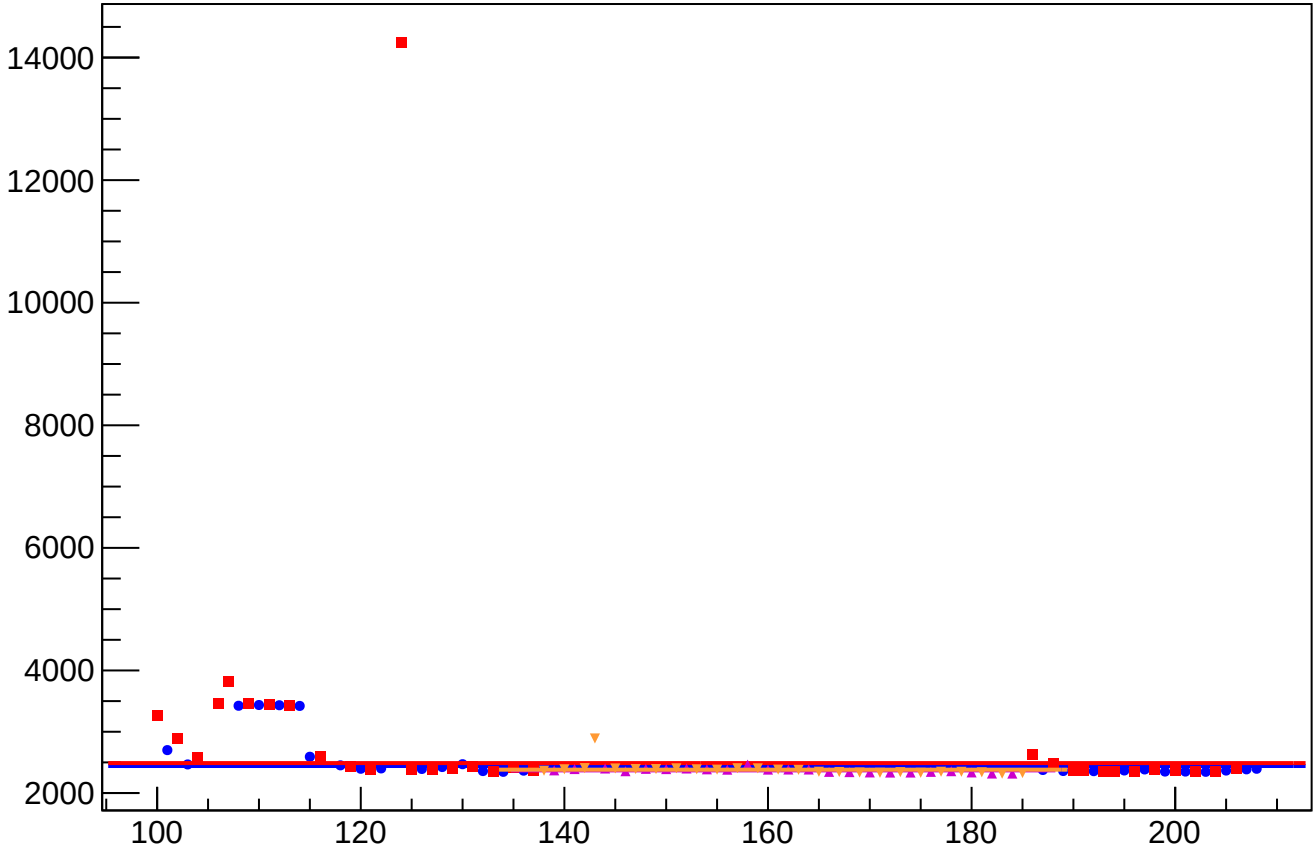
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1553.996+/-406.528 χ^2/NDF: 43.7/51

All: 4.171+/-289.598 χ^2/NDF: 130.5/105

- sign -1592.670+/-412.648 χ^2/NDF: 57.3/53

cor_asym_atl1_rms vs Slug



Right In: 2441.047+/-0.435 χ^2/NDF: 266893.3/26

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2488.686+/-0.438 χ^2/NDF: 636423.7/30

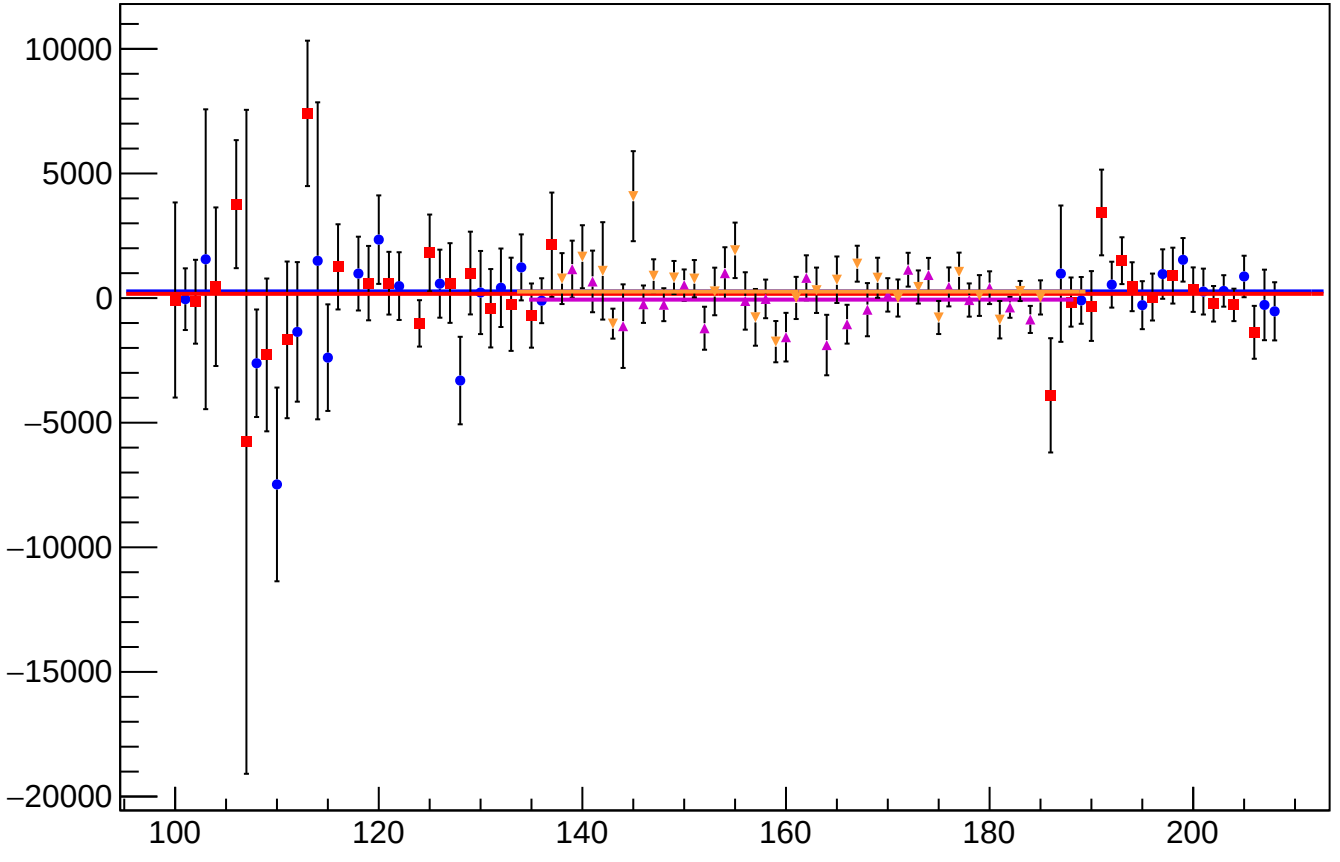
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2407.310+/-0.287 χ^2/NDF: 335162.0/51

All: 2414.702+/-0.205 χ^2/NDF: 1021225.7/10

- sign 2422.318+/-0.292 χ^2/NDF: 684721.0/53

asym_atl1_cor_correction_mean vs Slug



Right In: 268.255+/-233.819 χ^2/NDF: 18.7/26

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 170.801+/-230.001 χ^2/NDF: 27.0/30

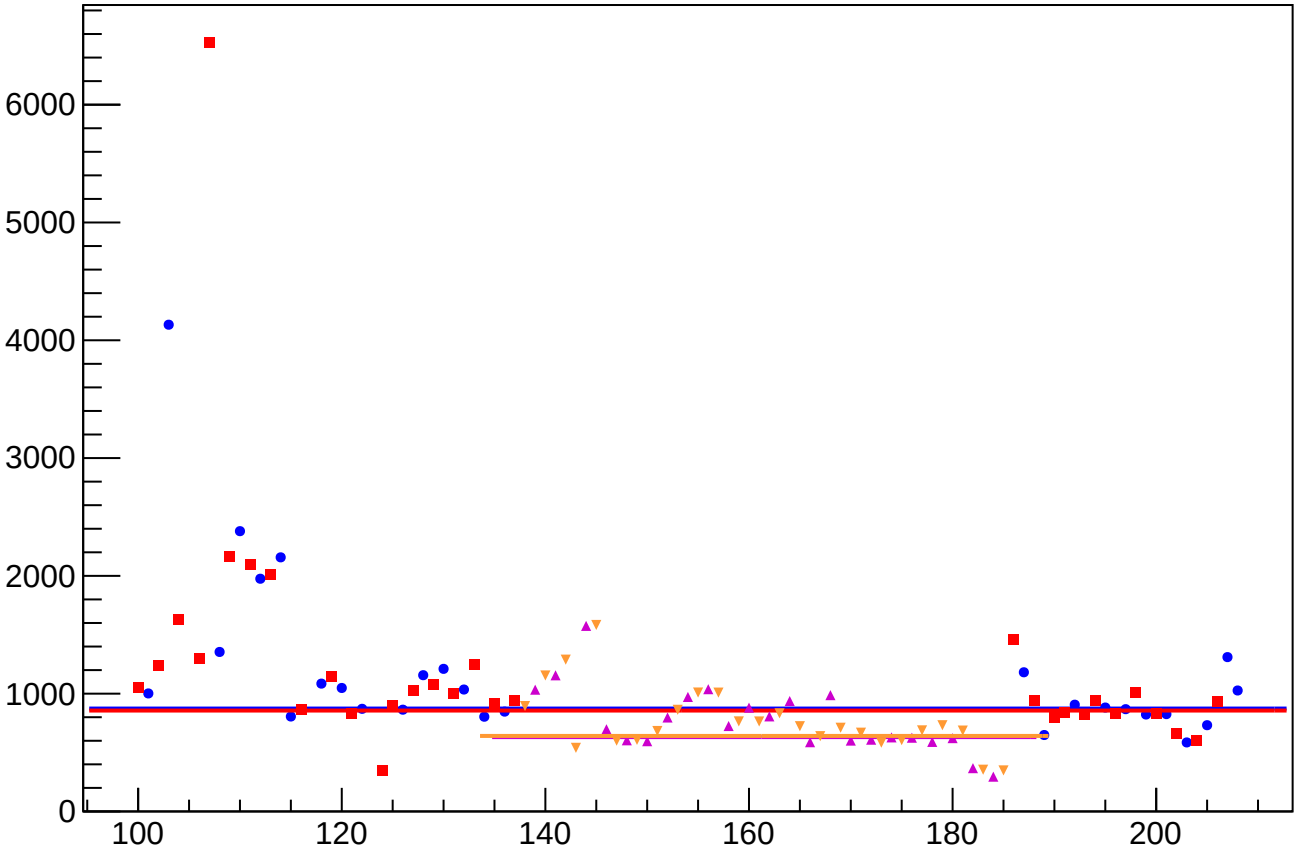
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

\+ sign 264.004+/-128.618 χ^2/NDF: 49.8/51

All: 139.375+/-91.393 χ^2/NDF: 101.4/105

\- sign 12.265+/-129.891 χ^2/NDF: 49.7/53

asym_atl1_cor_correction_rms vs Slug



Right In: 873.502+/-0.165 χ^2/NDF: 2475740.6/26

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 856.638+/-0.163 χ^2/NDF: 3154776.8/30

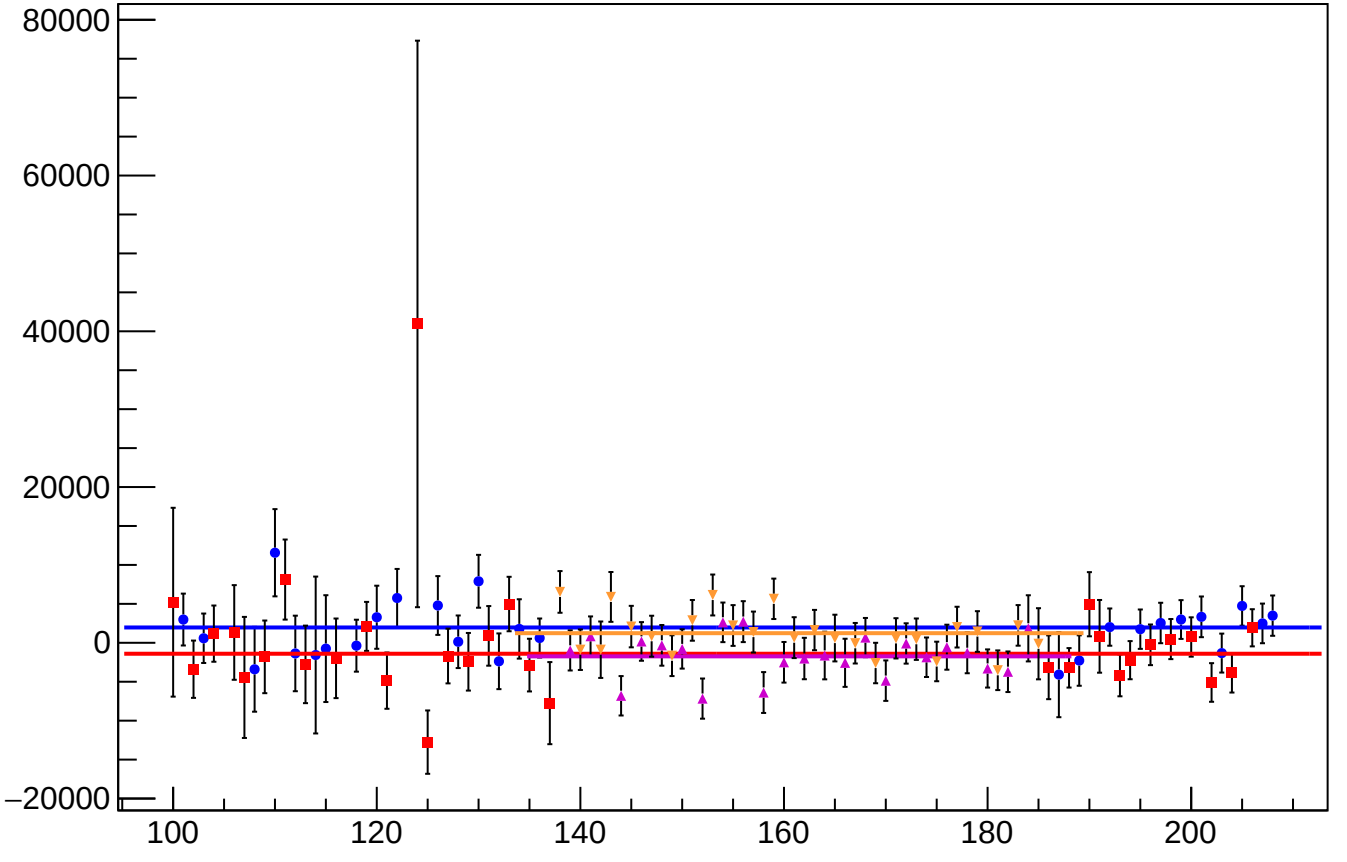
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 711.469+/-0.091 χ^2/NDF: 7327489.2/51

All: 707.324+/-0.065 χ^2/NDF: 15770687.9/10

- sign 703.097+/-0.092 χ^2/NDF: 8439004.2/53

eigen_cor_asym_atl1_mean vs Slug



Right In: 1967.116+/-615.708 χ^2/NDF: 19.0/26

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1405.712+/-619.492 χ^2/NDF: 32.8/30

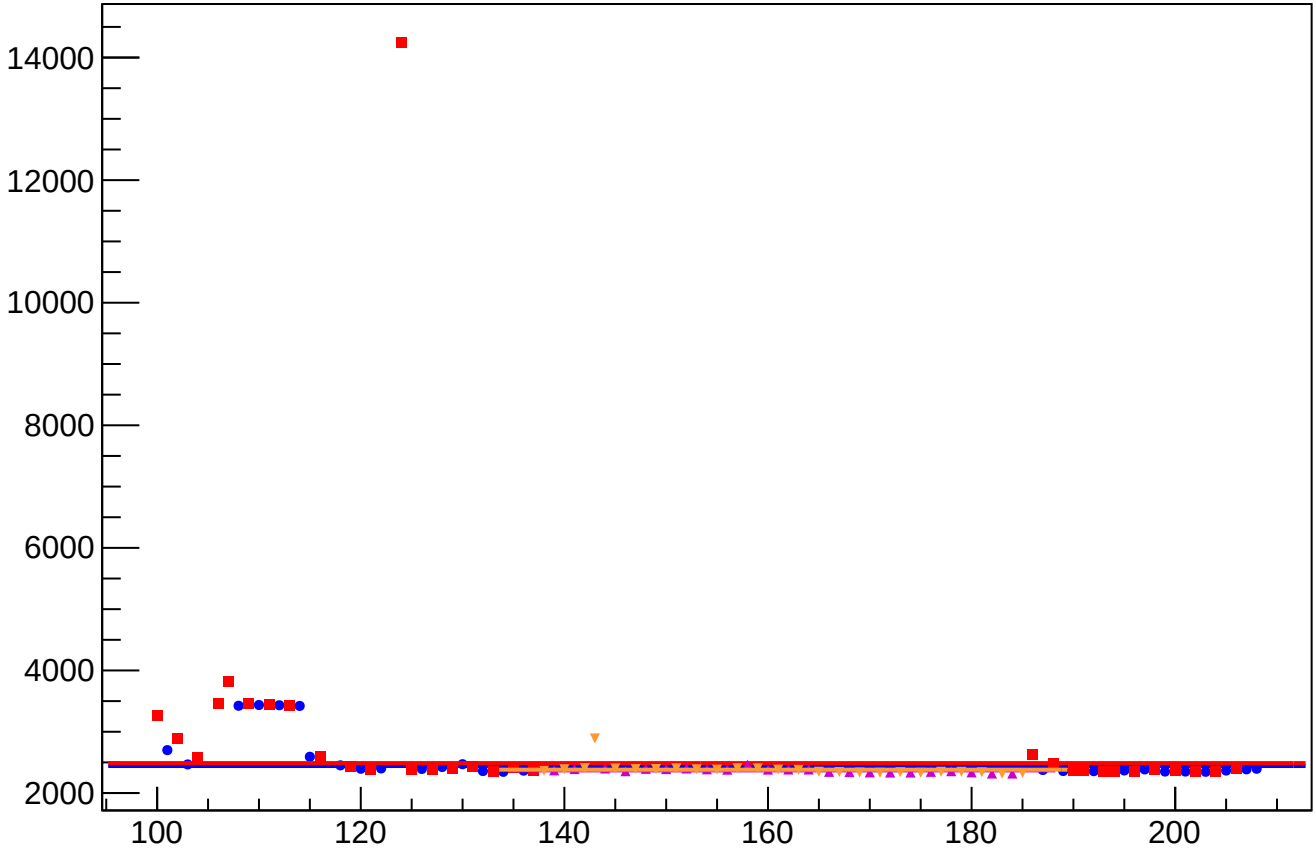
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1553.996+/-406.528 χ^2/NDF: 43.7/51

All: 4.171+/-289.598 χ^2/NDF: 130.5/105

- sign -1592.670+/-412.648 χ^2/NDF: 57.3/53

eigen_cor_asym_atl1_rms vs Slug



Right In: 2441.047+/-0.435 χ^2/NDF: 266893.3/26

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2488.686+/-0.438 χ^2/NDF: 636423.7/30

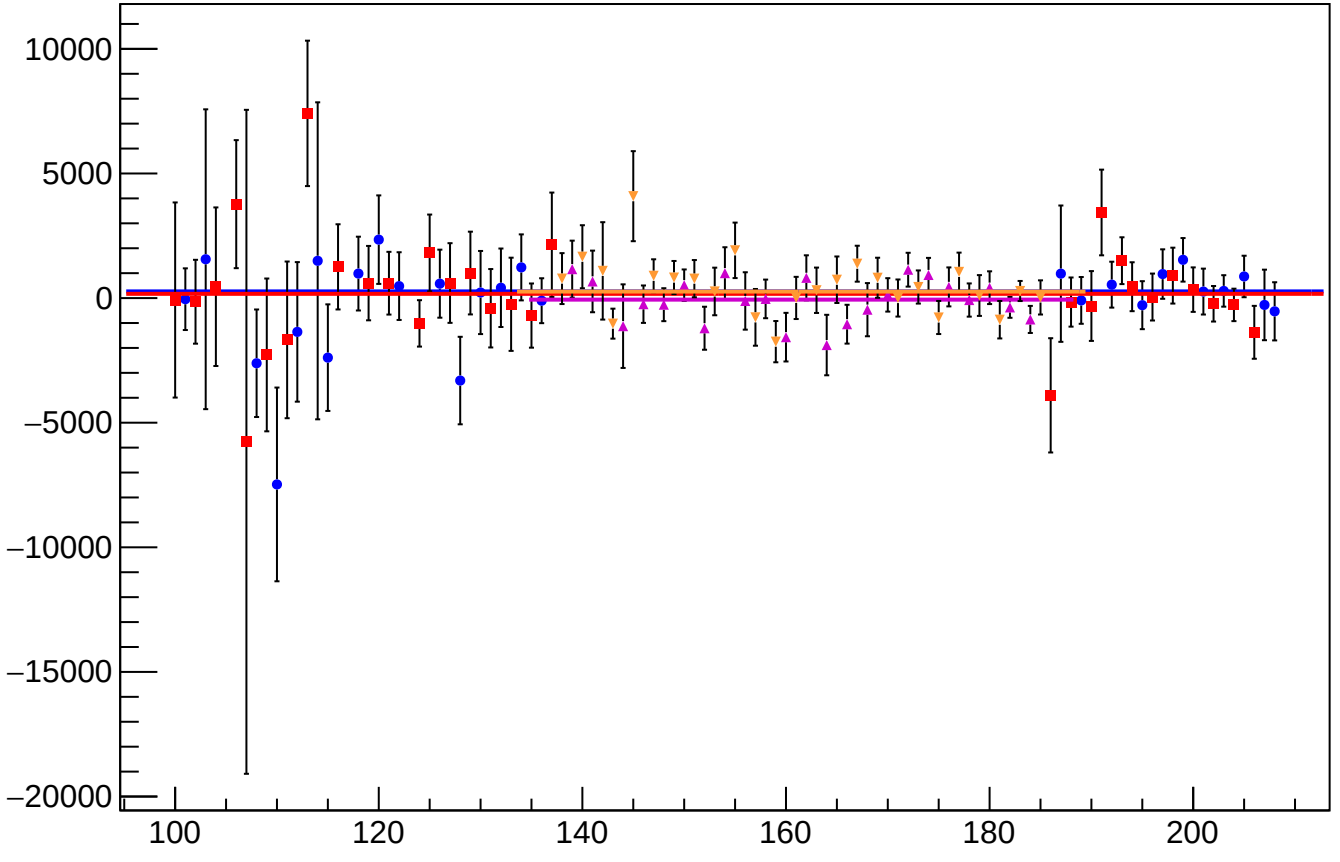
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2407.310+/-0.287 χ^2/NDF: 335162.0/51

All: 2414.702+/-0.205 χ^2/NDF: 1021225.7/10

- sign 2422.318+/-0.292 χ^2/NDF: 684721.0/53

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 268.255+/-233.819 χ^2/NDF: 18.7/26

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 170.801+/-230.001 χ^2/NDF: 27.0/30

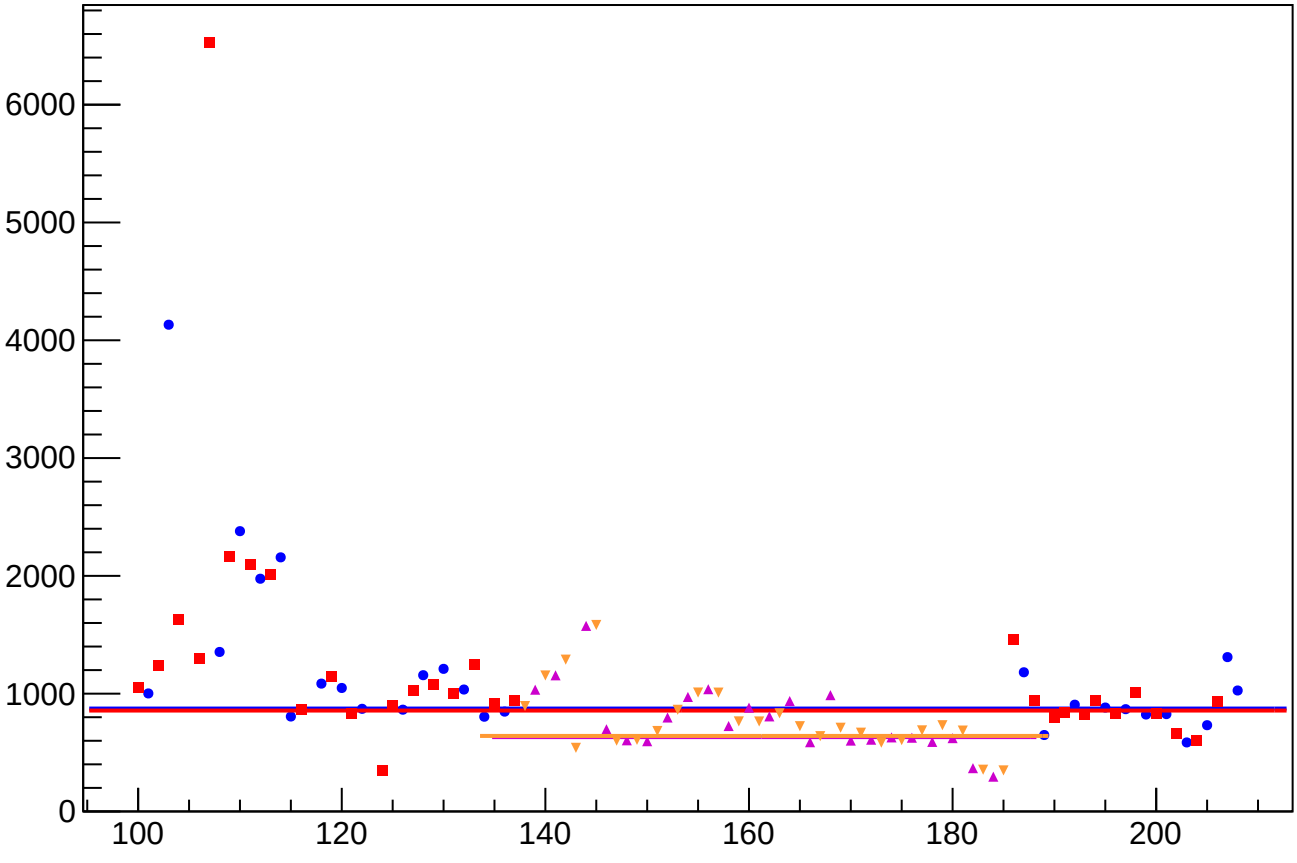
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 264.004+/-128.618 χ^2/NDF: 49.8/51

All: 139.375+/-91.393 χ^2/NDF: 101.4/105

- sign 12.265+/-129.891 χ^2/NDF: 49.7/53

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 873.502+/-0.165 χ^2/NDF: 2475740.6/26

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 856.638+/-0.163 χ^2/NDF: 3154776.8/30

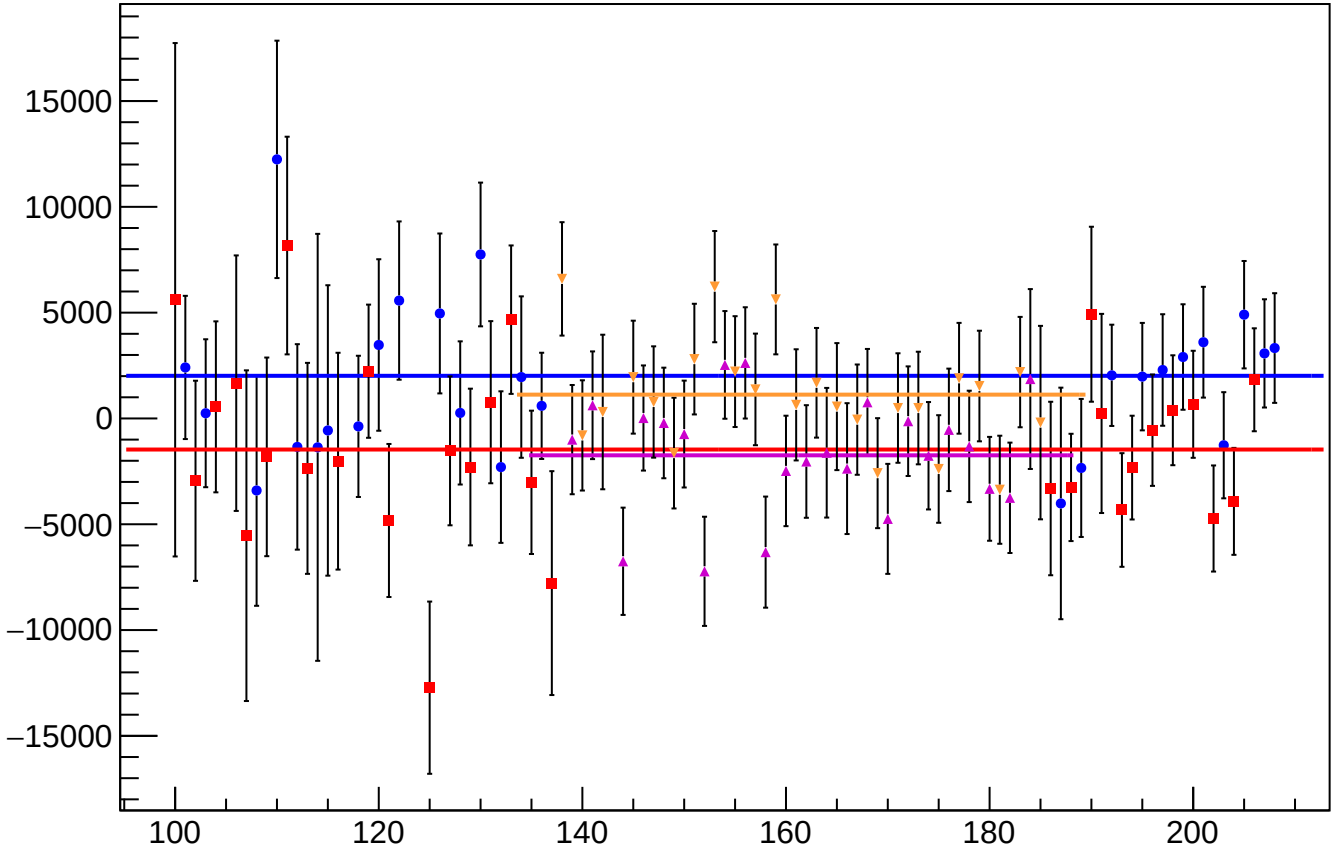
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 711.469+/-0.091 χ^2/NDF: 7327489.2/51

All: 707.324+/-0.065 χ^2/NDF: 15770687.9/10

- sign 703.097+/-0.092 χ^2/NDF: 8439004.2/53

dit_asym_atl1_mean vs Slug



Right In: 2015.159+/-619.708 χ^2/NDF: 19.3/26

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1468.648+/-627.517 χ^2/NDF: 30.1/29

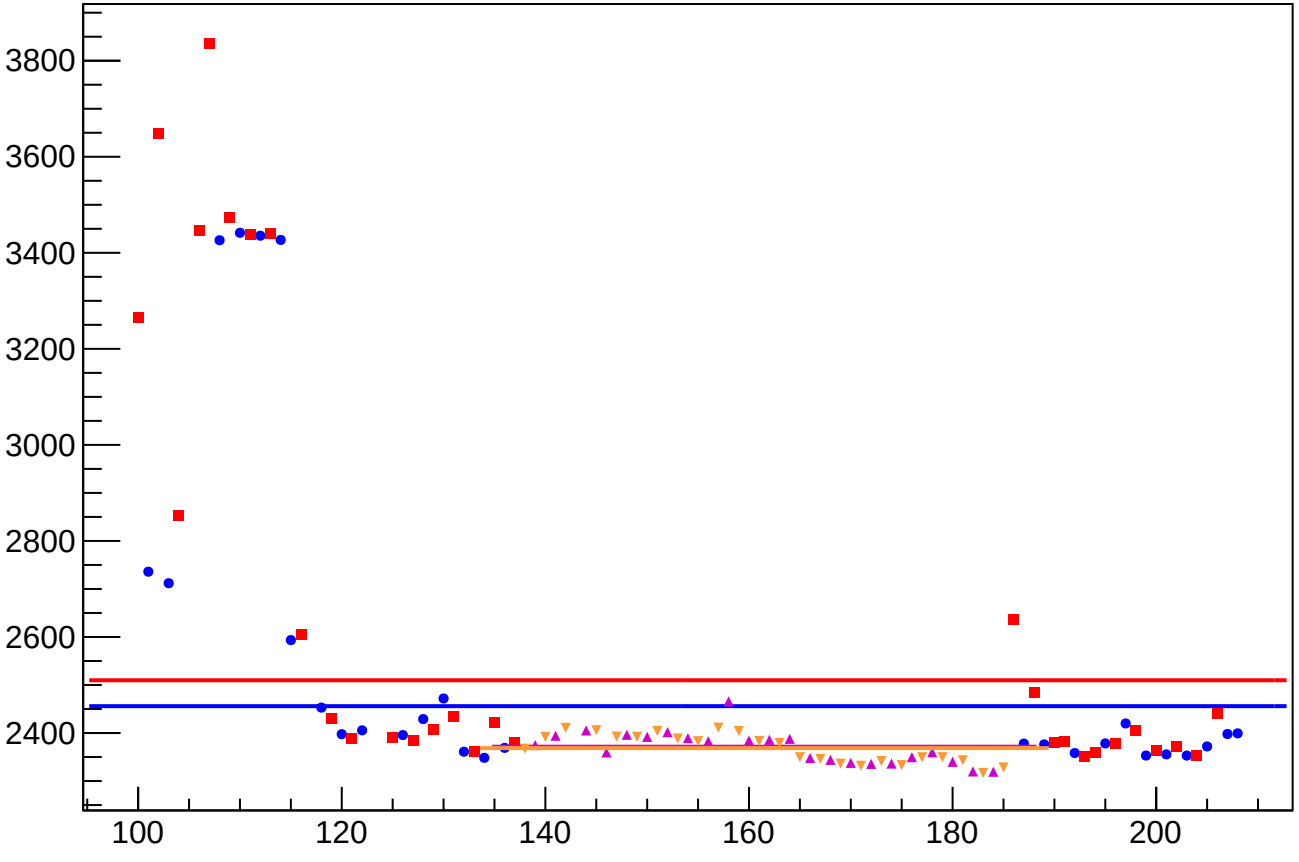
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1517.400+/-411.286 χ^2/NDF: 41.7/50

All: -37.659+/-292.199 χ^2/NDF: 124.4/103

- sign -1622.498+/-415.206 χ^2/NDF: 53.9/52

dit_asym_atl1_rms vs Slug



Right In: 2455.930+/-0.438 χ^2/NDF: 278208.2/26

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

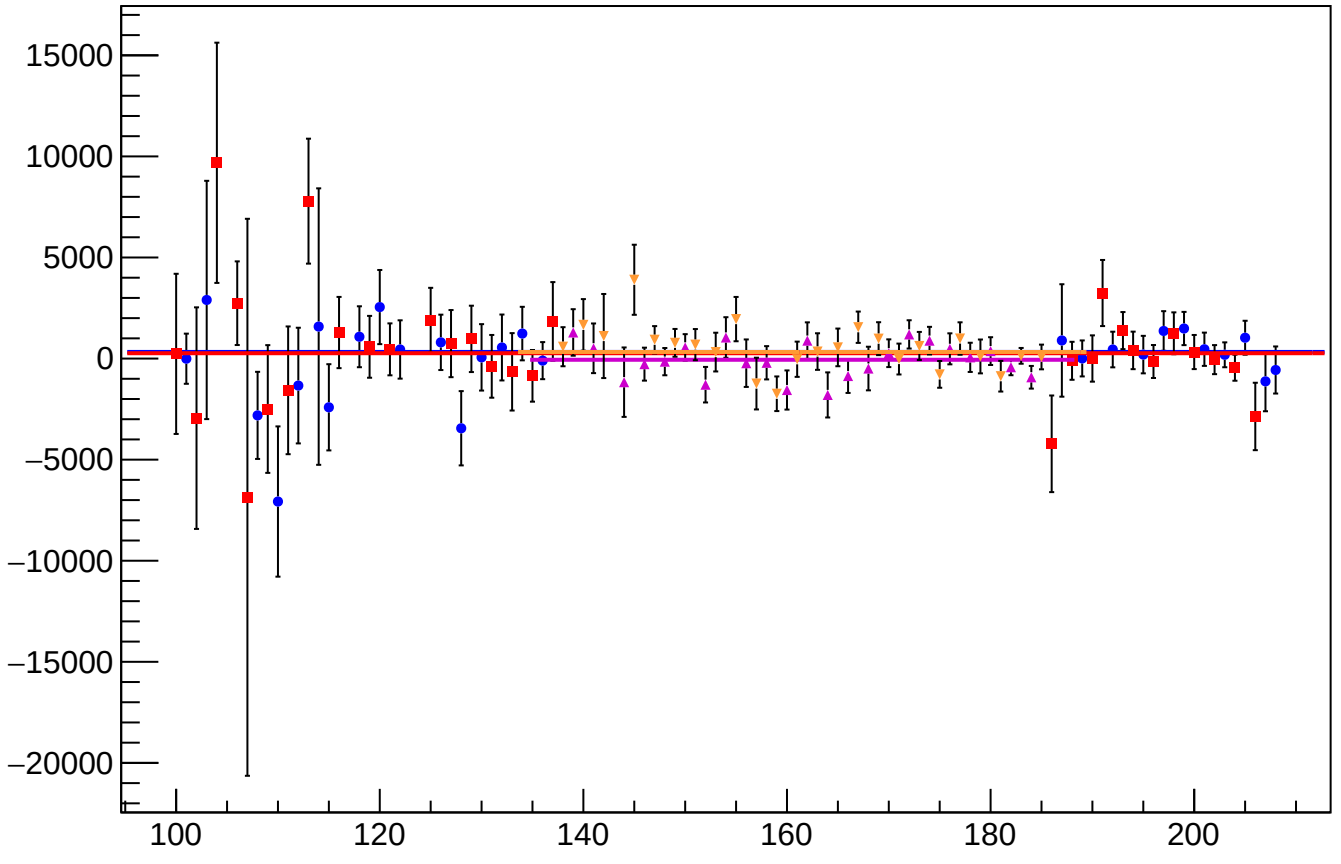
Right Out: 2509.871+/-0.444 χ^2/NDF: 530441.8/29

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2407.049+/-0.291 χ^2/NDF: 306018.5/50

All: 2419.450+/-0.207 χ^2/NDF: 901842.5/103

- sign 2432.089+/-0.294 χ^2/NDF: 592152.4/52



Right In: 328.150+/-229.549 χ^2/NDF: 20.8/26

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 264.735+/-235.273 χ^2/NDF: 29.8/29

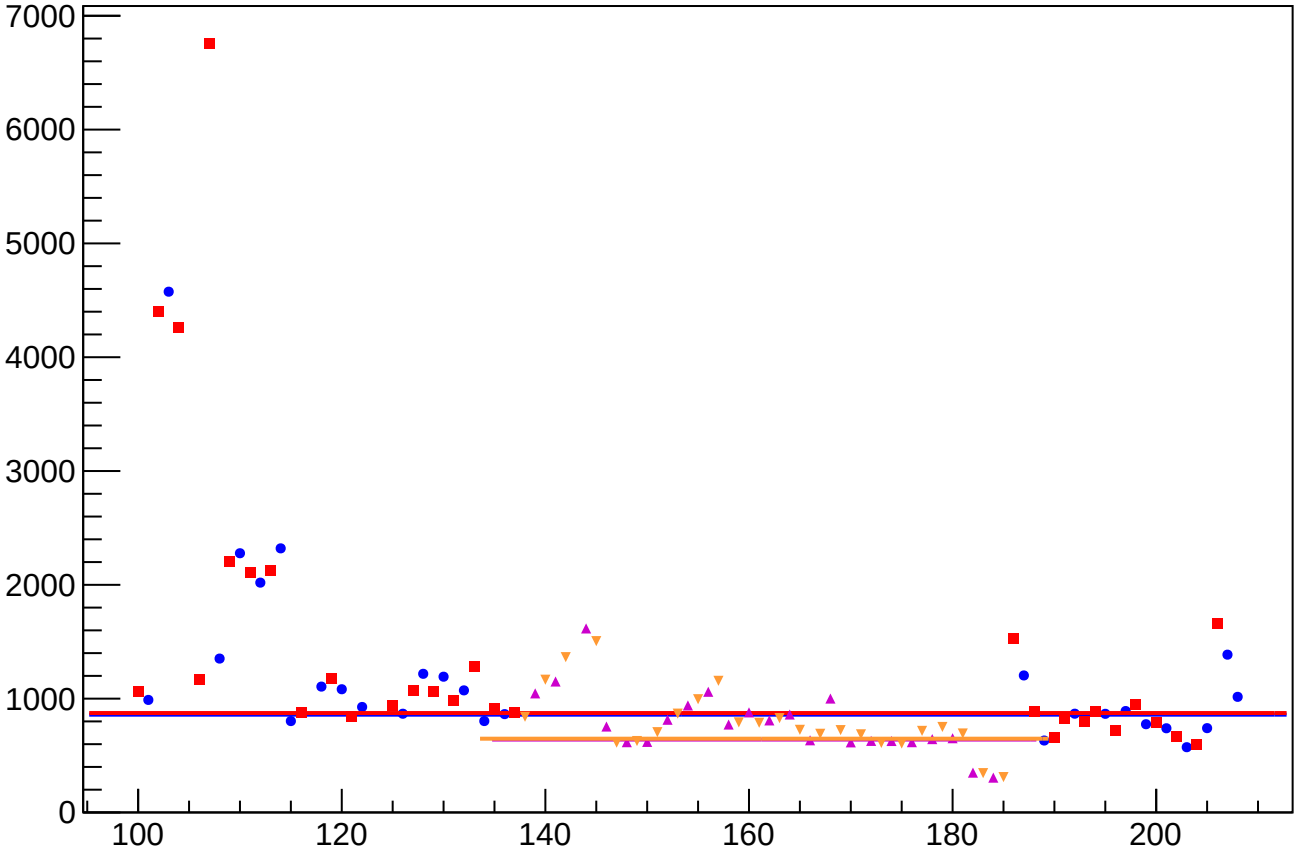
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 326.673+/-131.283 χ^2/NDF: 47.6/50

All: 185.567+/-93.125 χ^2/NDF: 103.7/103

- sign 42.662+/-132.117 χ^2/NDF: 53.8/52

asym_atl1_dit_correction_rms vs Slug



Right In: 859.231+/-0.162 χ^2/NDF: 2906946.6/26

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

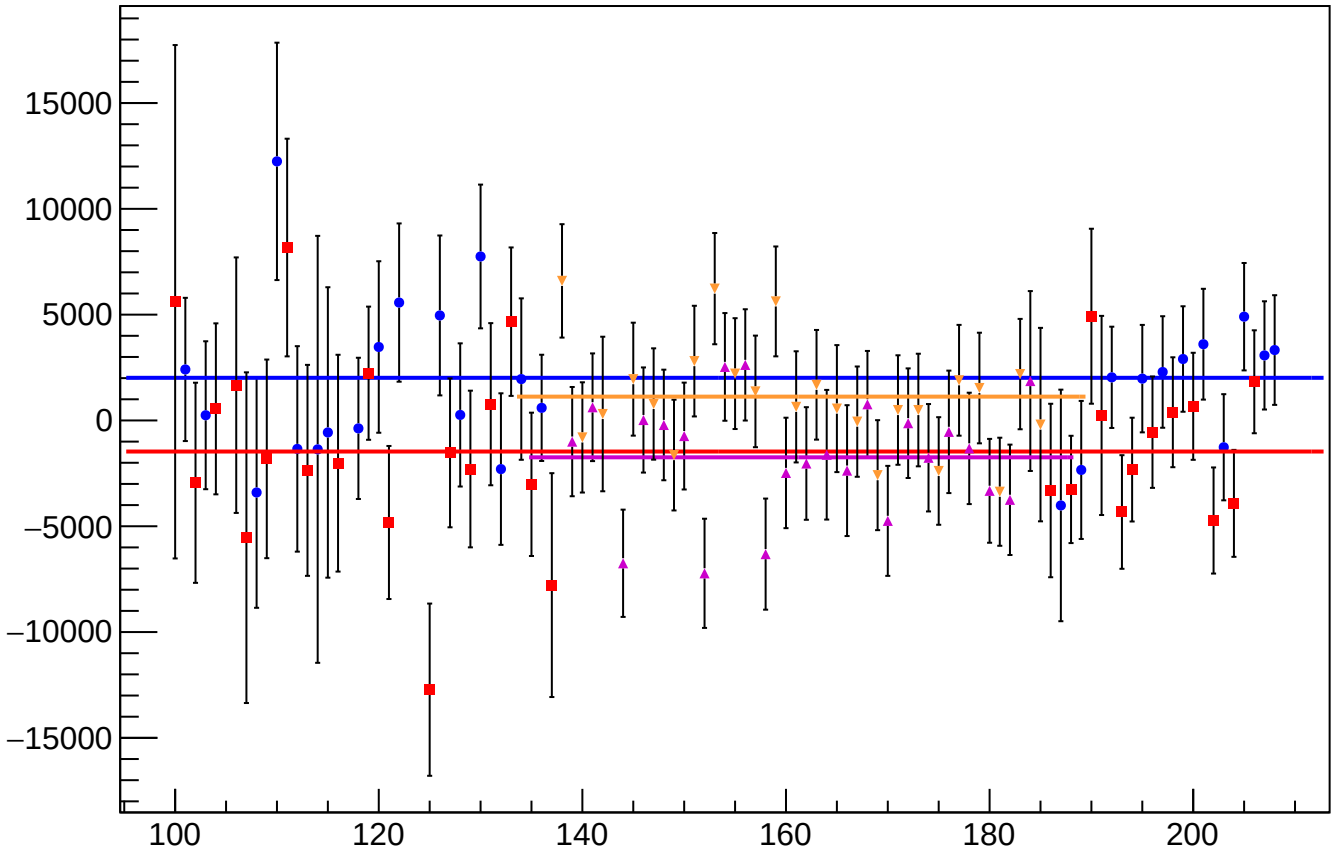
Right Out: 873.559+/-0.166 χ^2/NDF: 4442068.4/29

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 717.159+/-0.093 χ^2/NDF: 7932444.5/50

All: 715.559+/-0.066 χ^2/NDF: 17848441.5/10

- sign 713.939+/-0.093 χ^2/NDF: 9915399.0/52



Right In: 2015.156+/-619.708 χ^2/NDF: 19.3/26

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1468.648+/-627.517 χ^2/NDF: 30.1/29

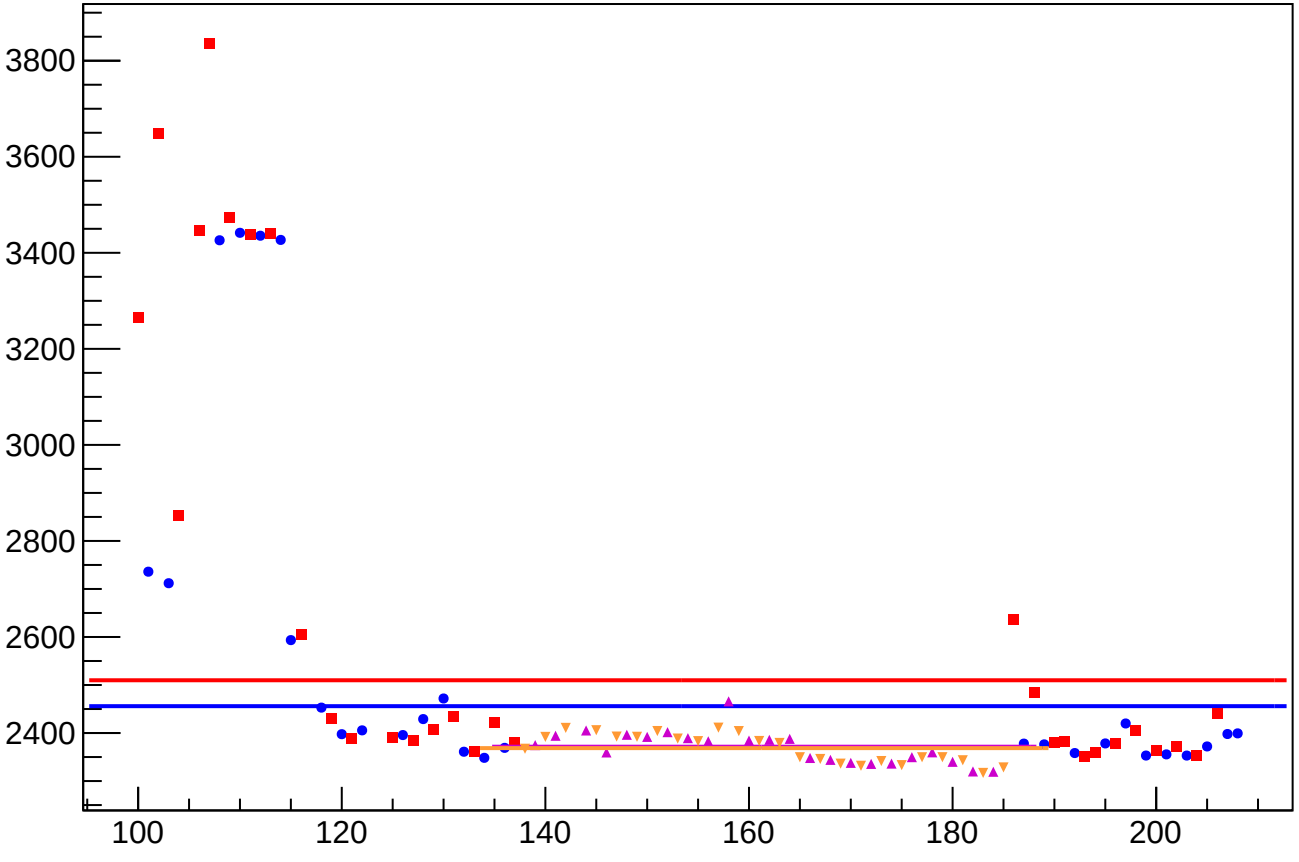
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1517.399+/-411.286 χ^2/NDF: 41.7/50

All: -37.660+/-292.199 χ^2/NDF: 124.4/103

- sign -1622.498+/-415.206 χ^2/NDF: 53.9/52

eigen_dit_asym_atl1_rms vs Slug



Right In: 2455.930+/-0.438 χ^2/NDF: 278207.7/26

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2509.871+/-0.444 χ^2/NDF: 530440.9/29

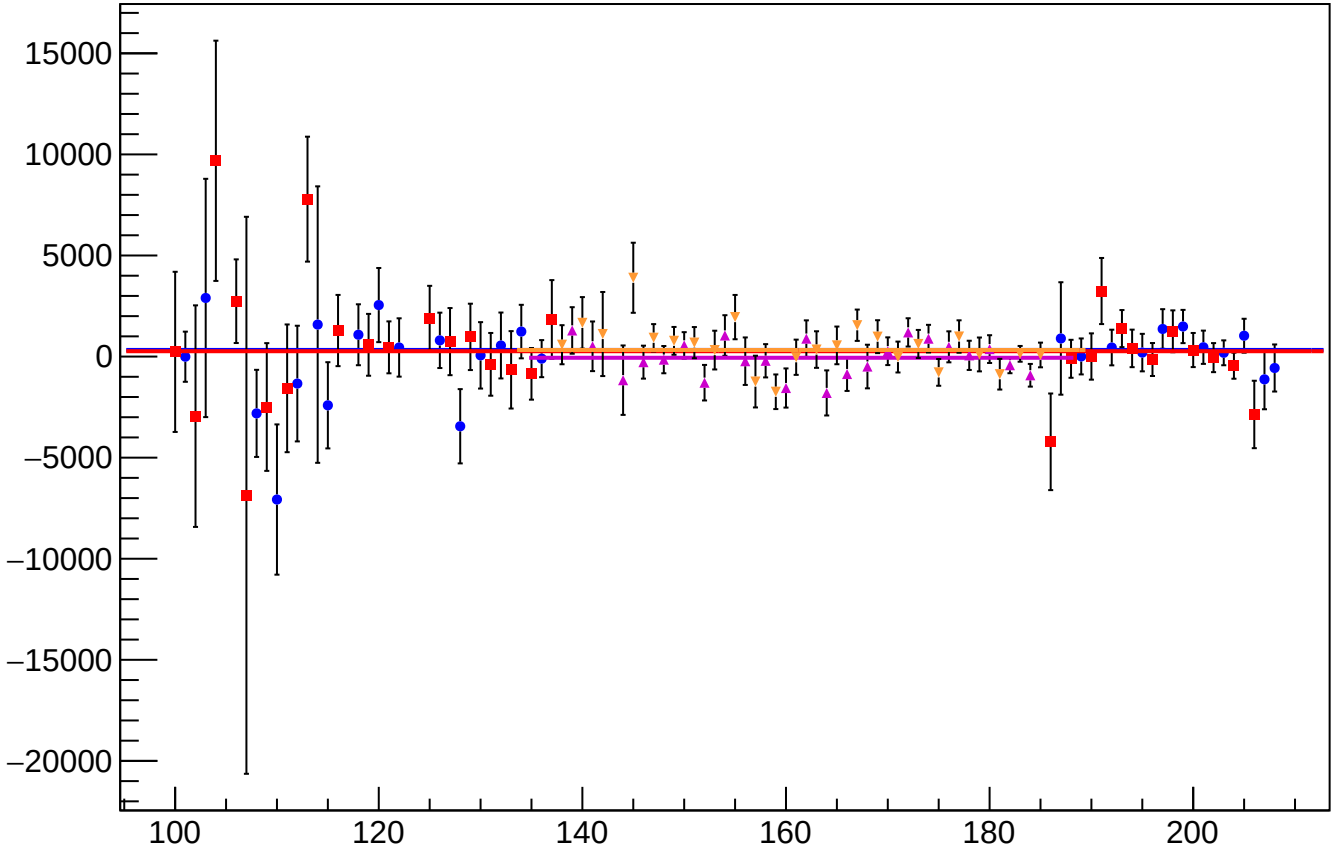
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2407.049+/-0.291 χ^2/NDF: 306018.0/50

All: 2419.450+/-0.207 χ^2/NDF: 901841.0/103

- sign 2432.089+/-0.294 χ^2/NDF: 592151.5/52

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 328.150+/-229.549 χ^2/NDF: 20.8/26

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 264.736+/-235.273 χ^2/NDF: 29.8/29

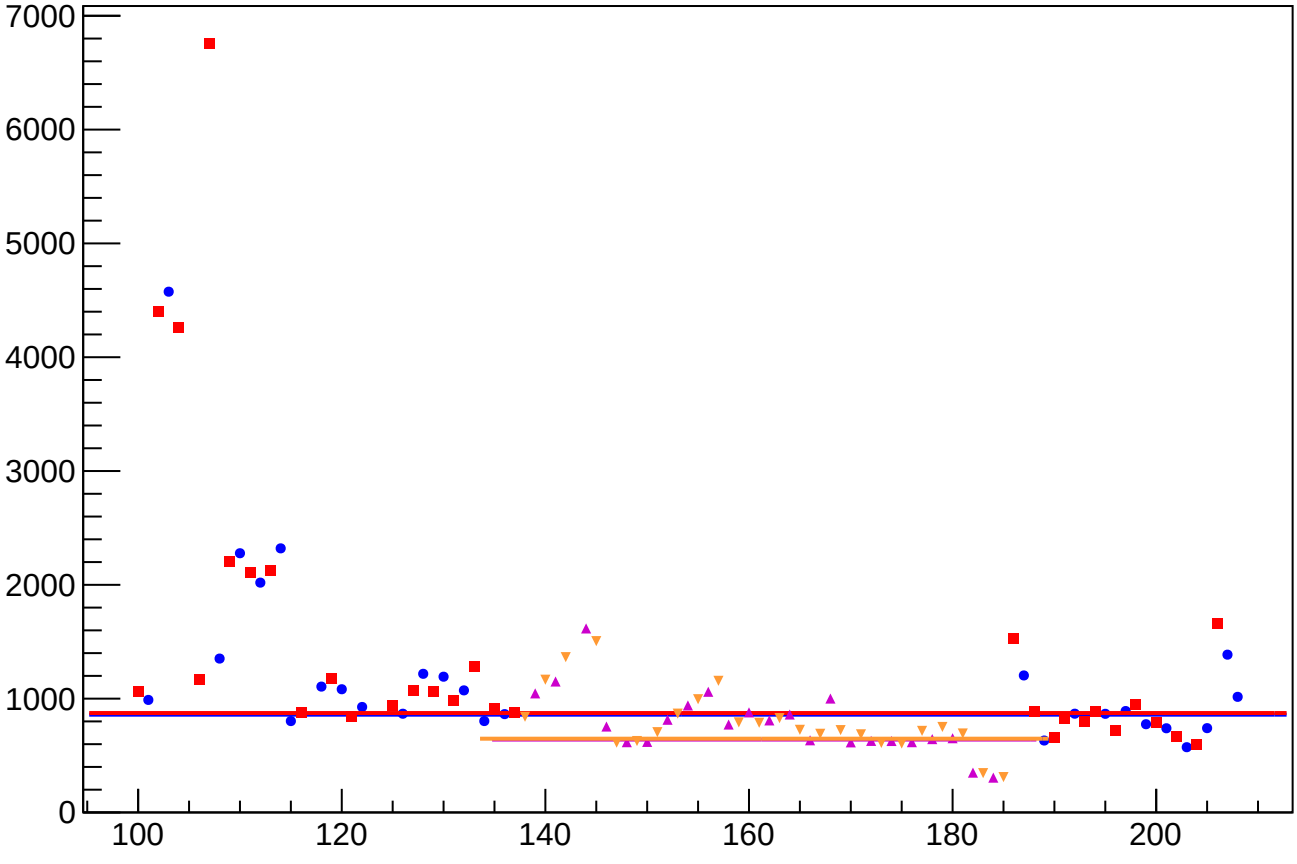
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 326.673+/-131.284 χ^2/NDF: 47.6/50

All: 185.567+/-93.125 χ^2/NDF: 103.7/103

- sign 42.662+/-132.118 χ^2/NDF: 53.8/52

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 859.230+/-0.162 χ^2/NDF: 2906948.8/26

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 873.559+/-0.166 χ^2/NDF: 4442072.7/29

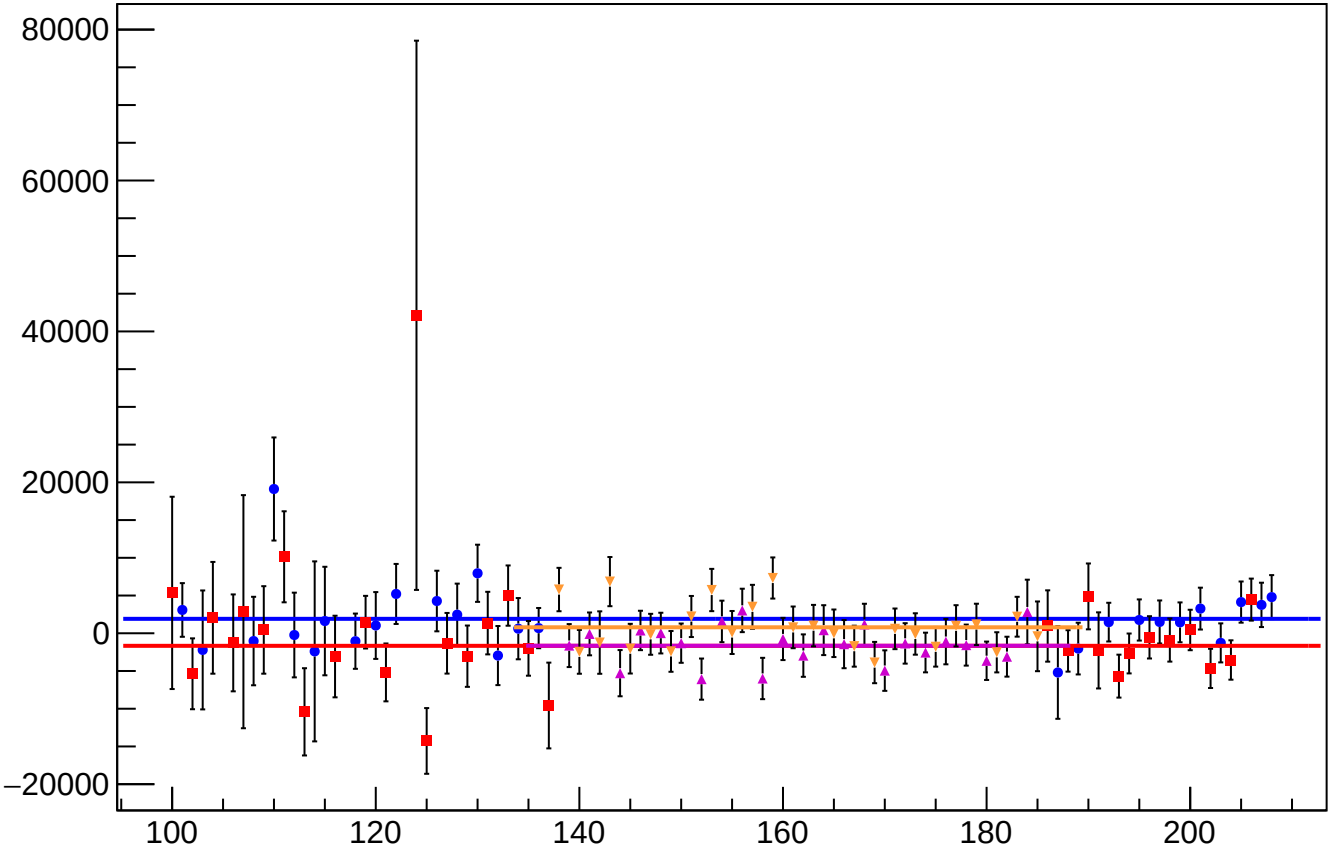
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

\+ sign 717.160+/-0.093 χ^2/NDF: 7932442.8/50

All: 715.560+/-0.066 χ^2/NDF: 17848445.3/10

\- sign 713.939+/-0.093 χ^2/NDF: 9915404.4/52

asym_atl1_mean vs Slug



Right In: 1912.776+/-680.096 χ^2/NDF: 19.9/26

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1664.306+/-686.290 χ^2/NDF: 36.7/30

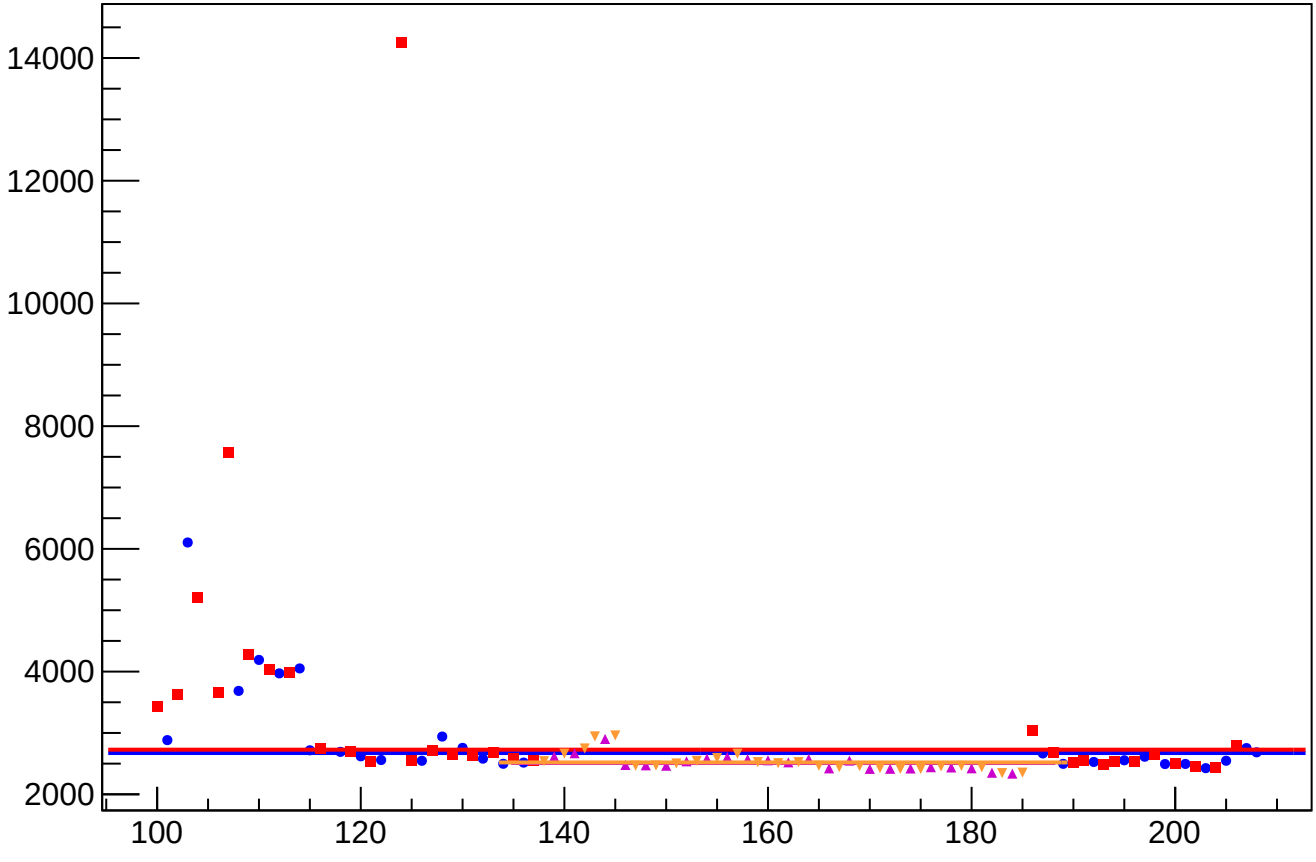
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1257.220+/-438.322 χ^2/NDF: 48.7/51

All: -175.490+/-312.613 χ^2/NDF: 124.5/105

- sign -1658.714+/-445.982 χ^2/NDF: 54.1/53

asym_atl1_rms vs Slug



Right In: 2672.779+/-0.481 χ^2/NDF: 761213.7/26

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2727.469+/-0.485 χ^2/NDF: 1204787.2/30

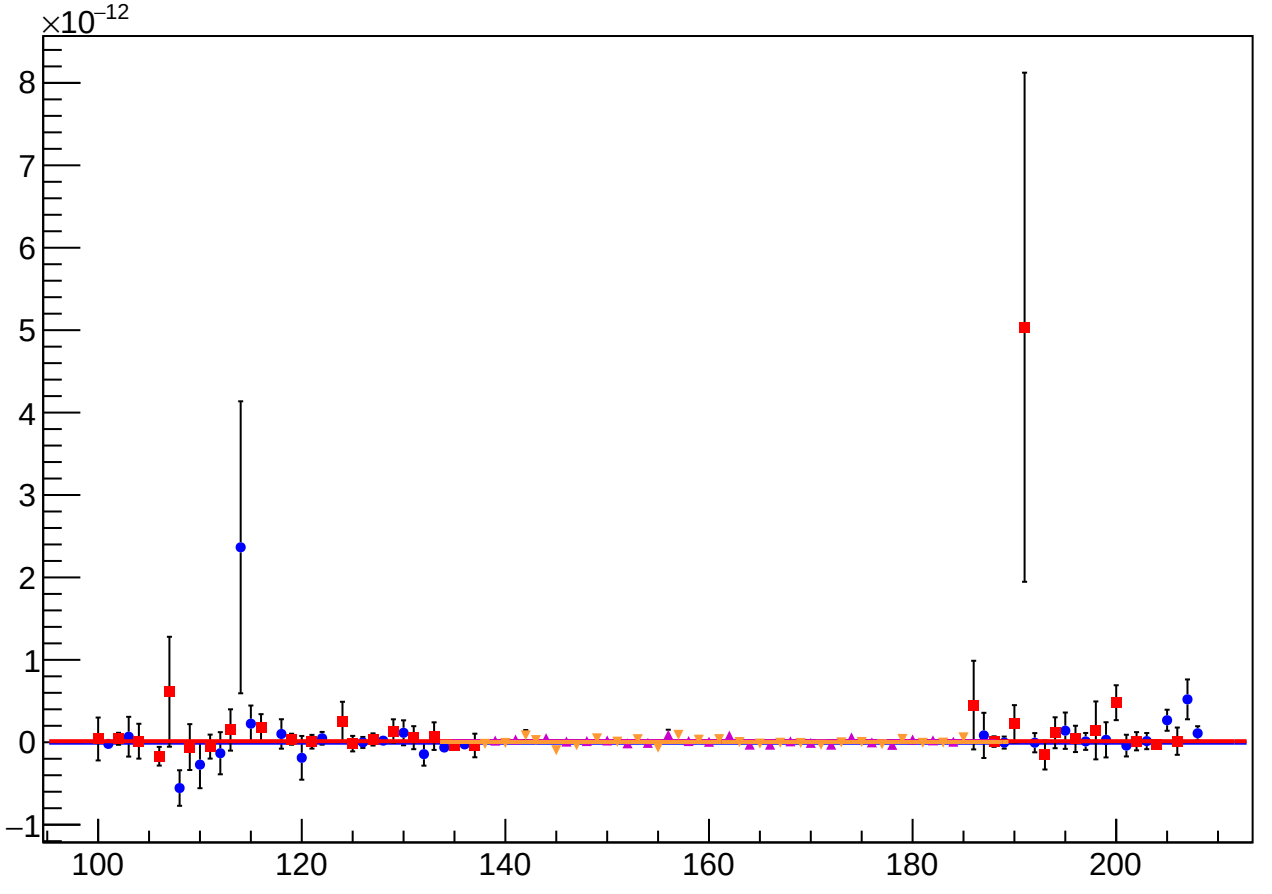
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2583.178+/-0.310 χ^2/NDF: 935798.1/51

All: 2592.390+/-0.221 χ^2/NDF: 2332003.2/10

- sign 2601.927+/-0.315 χ^2/NDF: 1394407.2/53

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/30

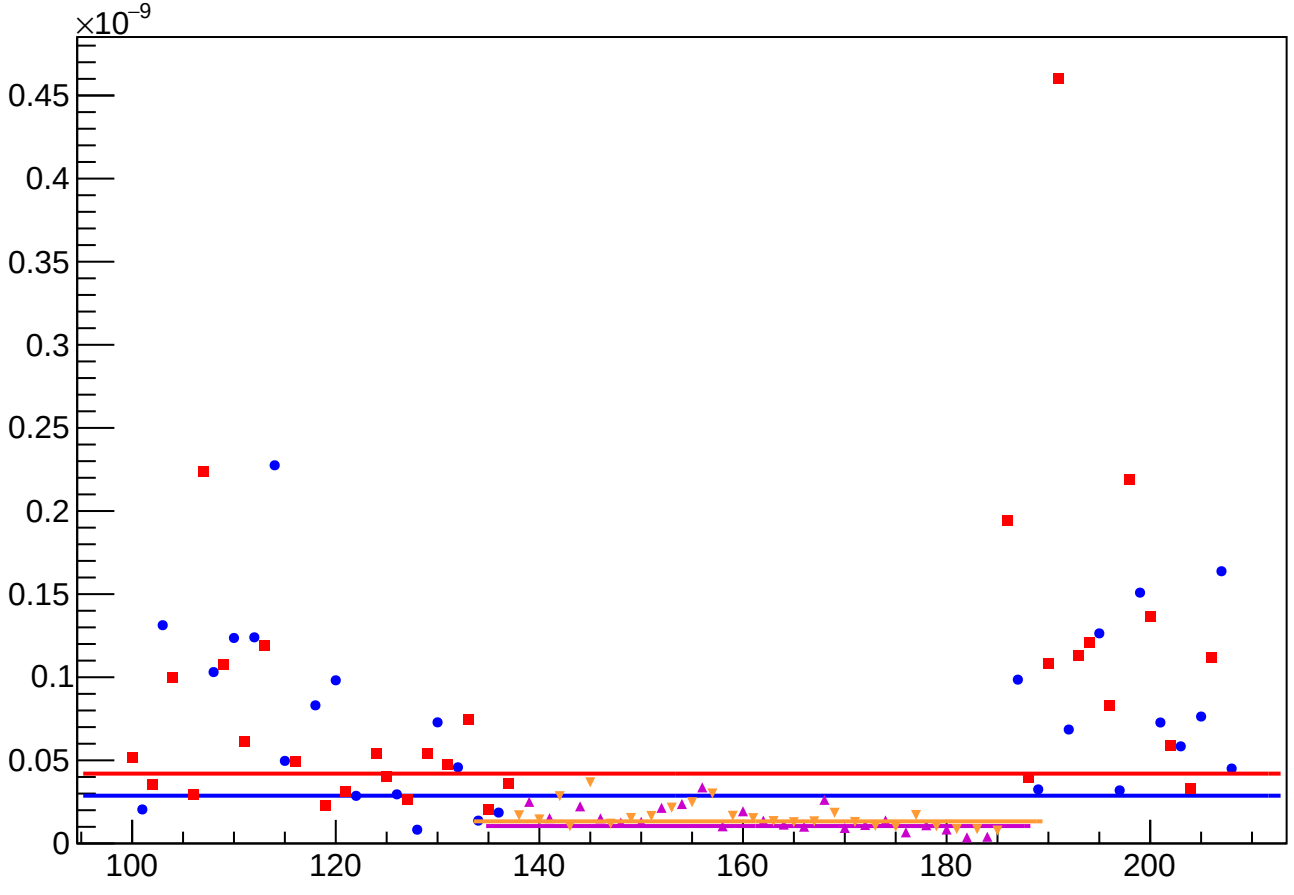
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.0/51

All: 0.000+/-0.000 χ^2/NDF: 110.7/105

- sign 0.000+/-0.000 χ^2/NDF: 51.3/53

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5446245.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3948845.0/30

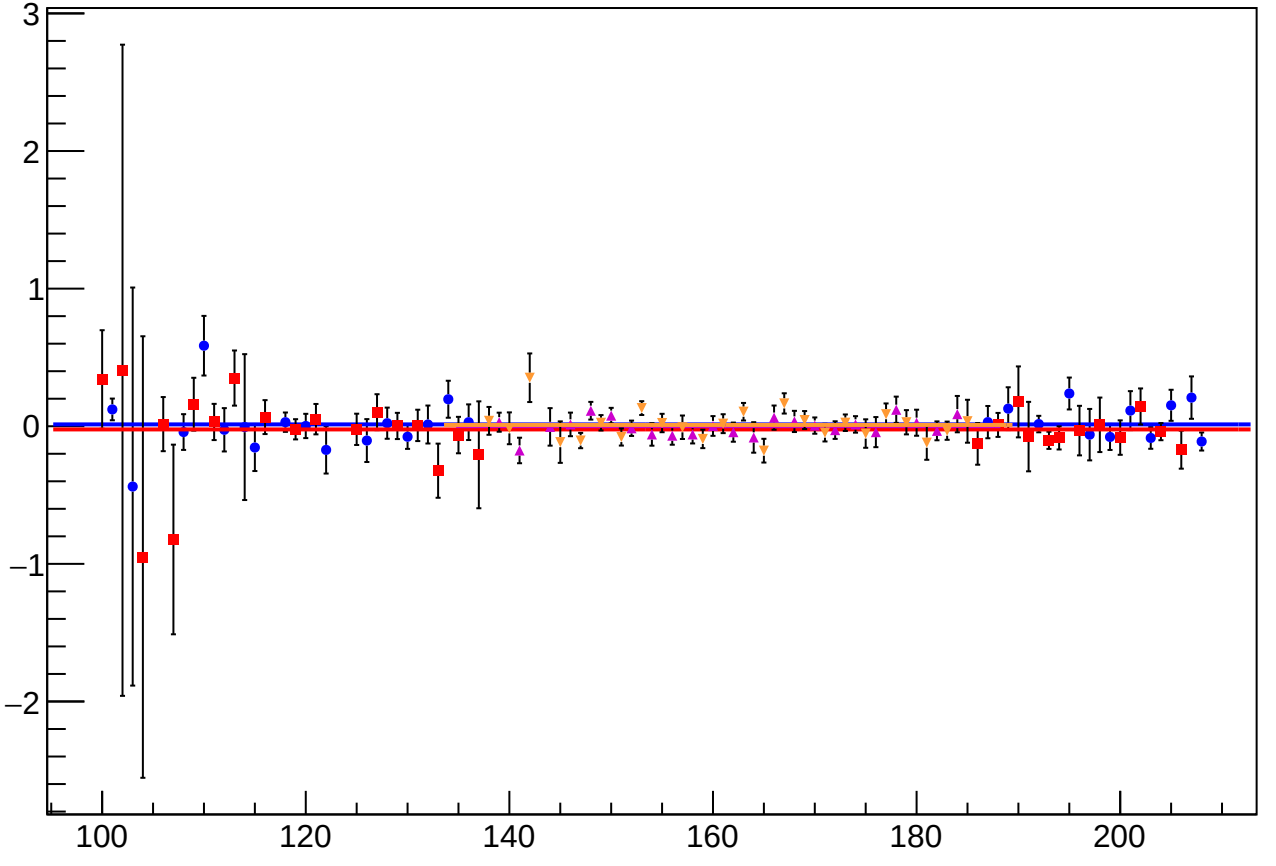
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8707423.2/51

All: 0.000+/-0.000 χ^2/NDF: 20467092.7/105

- sign 0.000+/-0.000 χ^2/NDF: 11439257.9/53

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.013+/-0.021 χ^2/NDF: 29.1/26

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.023+/-0.022 χ^2/NDF: 18.5/29

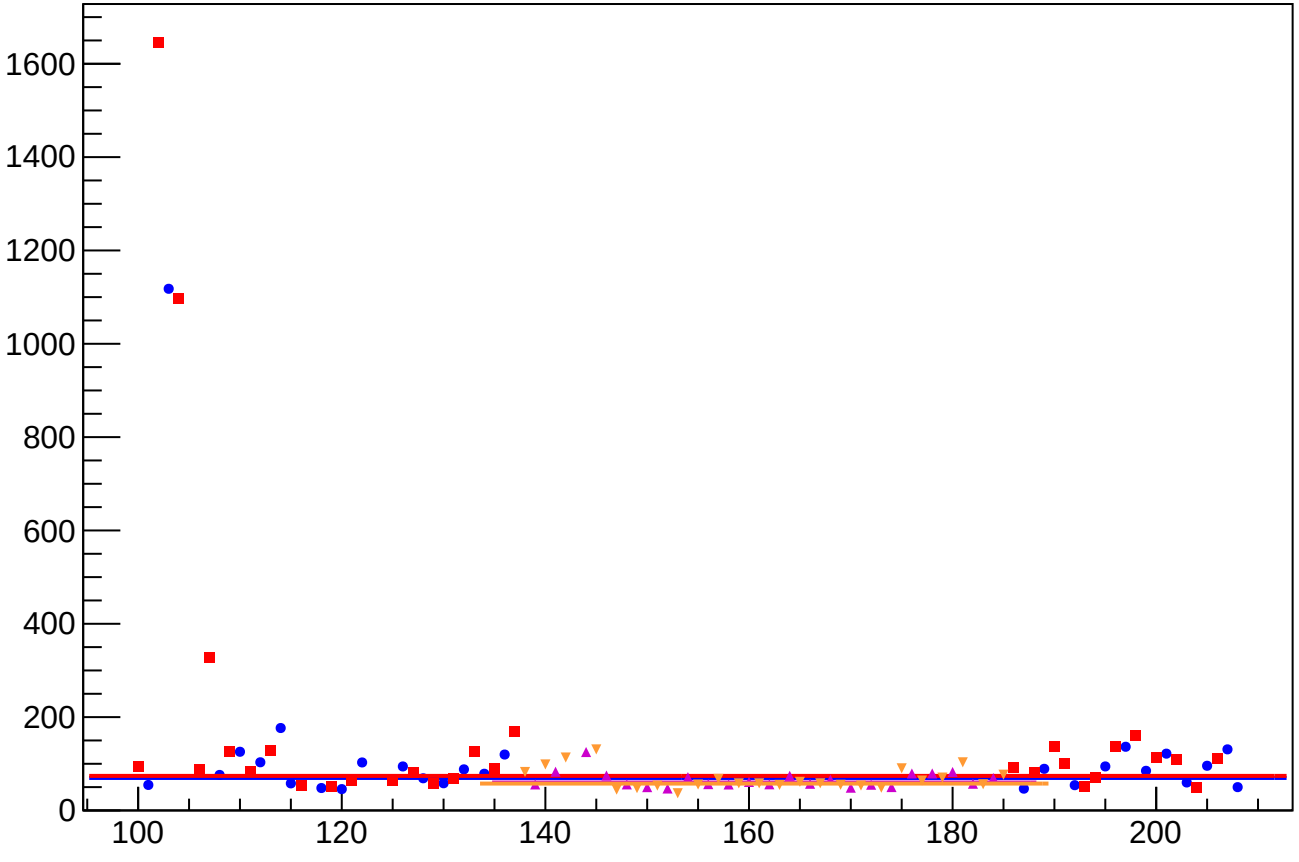
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.011+/-0.012 χ^2/NDF: 63.8/50

All: 0.002+/-0.009 χ^2/NDF: 99.7/103

- sign -0.007+/-0.013 χ^2/NDF: 34.9/52

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 69.666+/-0.015 χ^2/NDF: 3826822.9/26

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.064+/-0.016 χ^2/NDF: 4817074.0/29

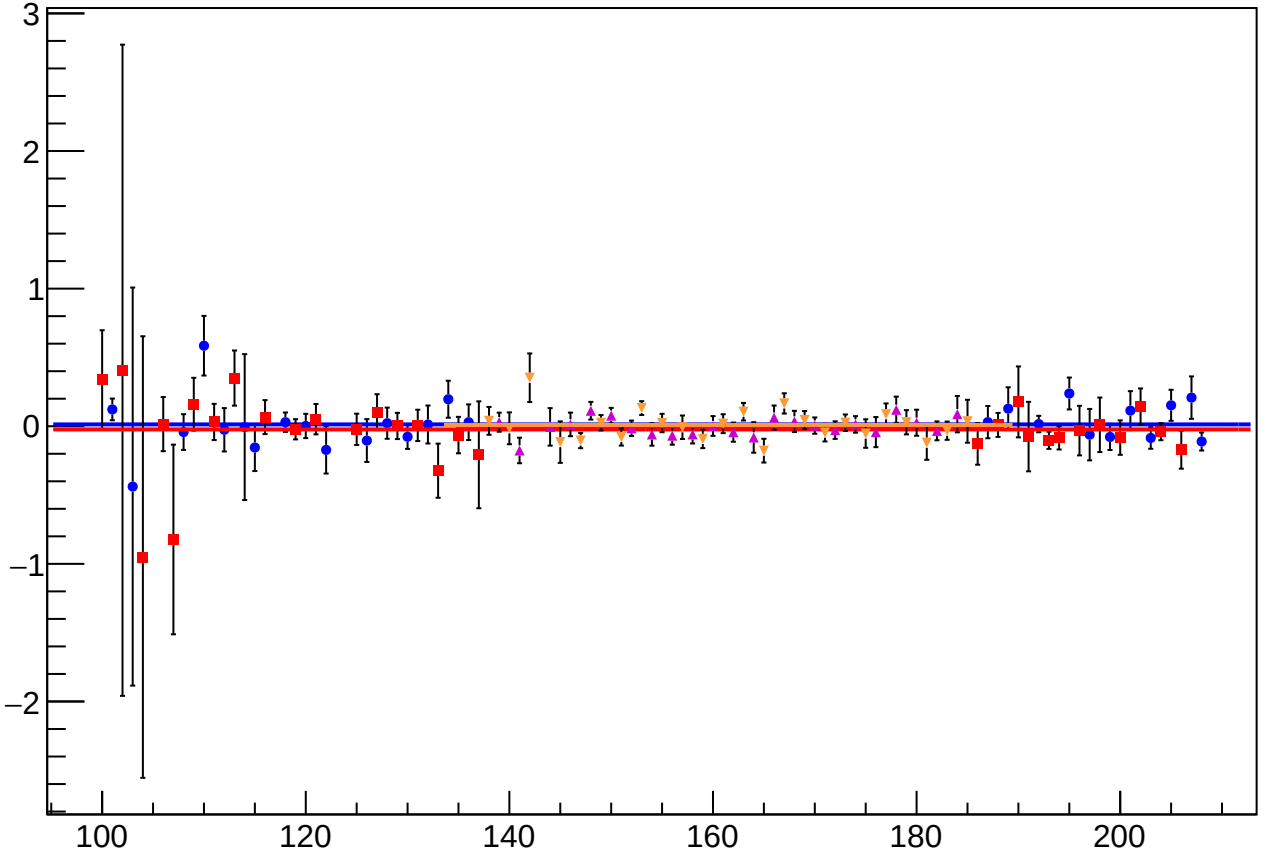
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 61.724+/-0.009 χ^2/NDF: 6475244.3/50

All: 63.022+/-0.006 χ^2/NDF: 13224922.1/103

- sign 64.424+/-0.009 χ^2/NDF: 6703066.2/52

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013+/-0.021 χ^2/NDF: 29.1/26

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.023+/-0.022 χ^2/NDF: 18.5/29

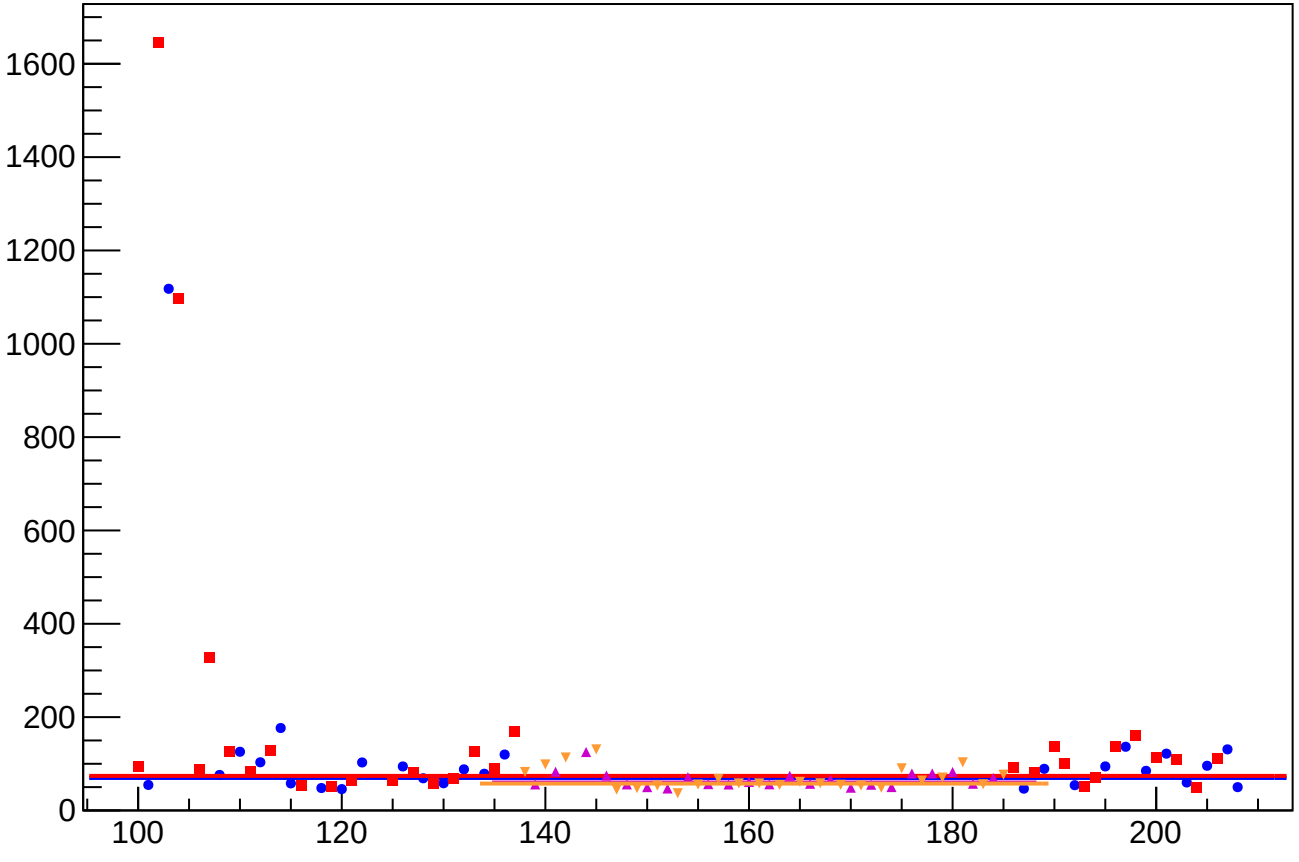
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.011+/-0.012 χ^2/NDF: 63.8/50

All: 0.002+/-0.009 χ^2/NDF: 99.7/103

- sign -0.007+/-0.013 χ^2/NDF: 34.9/52

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.666+/-0.015 χ^2/NDF: 3826822.9/26

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.064+/-0.016 χ^2/NDF: 4817074.0/29

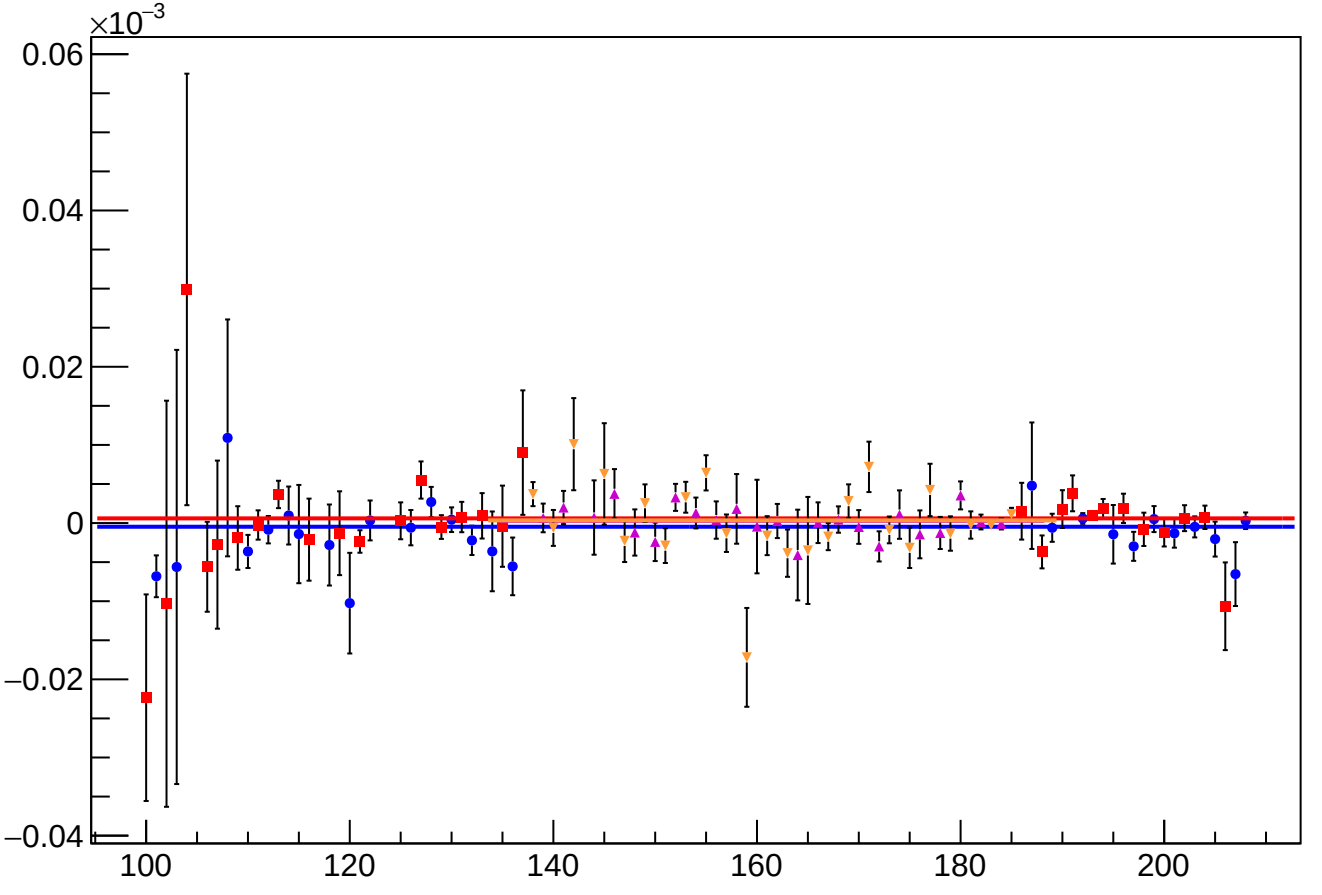
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 61.724+/-0.009 χ^2/NDF: 6475244.3/50

All: 63.022+/-0.006 χ^2/NDF: 13224922.1/103

- sign 64.424+/-0.009 χ^2/NDF: 6703066.2/52

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 33.4/29

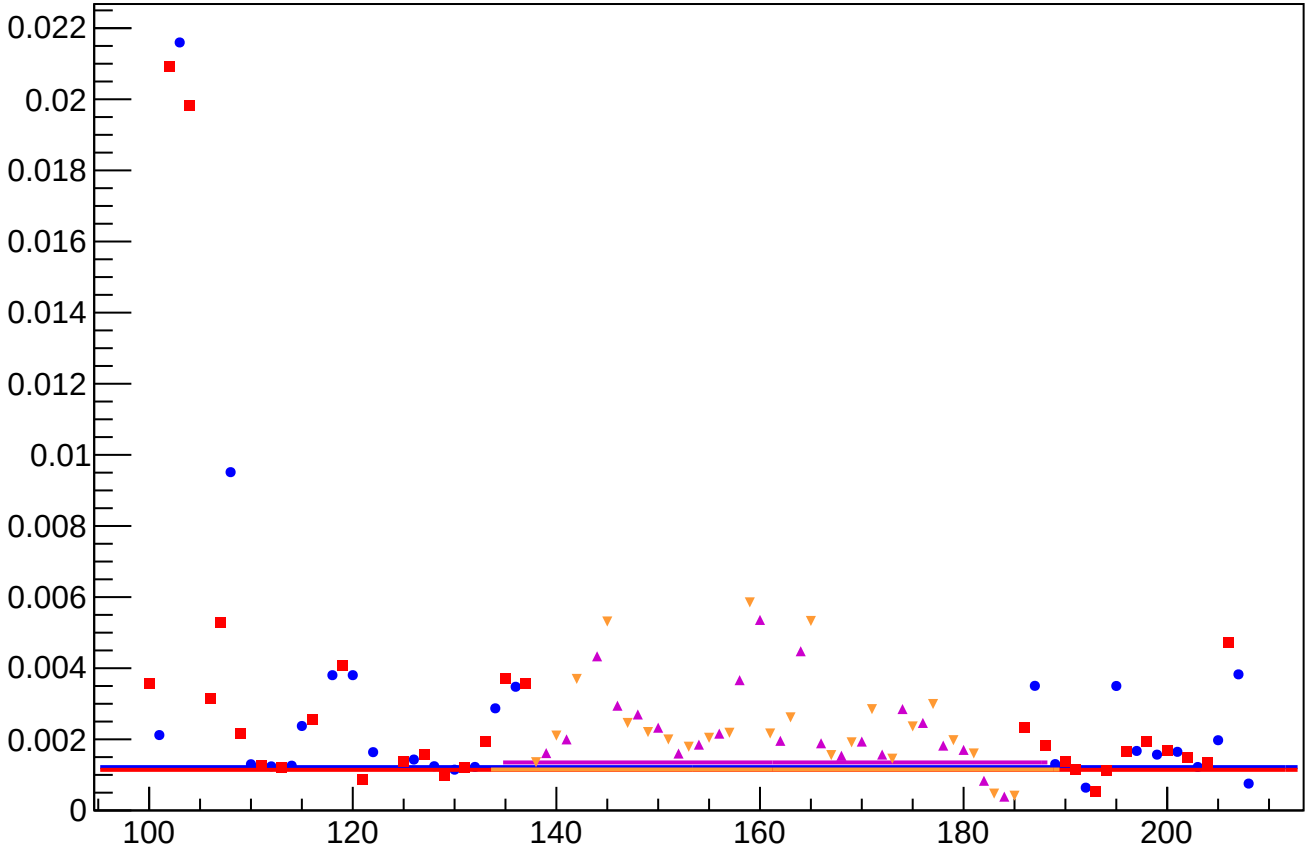
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.3/50

All: 0.000+/-0.000 χ^2/NDF: 125.8/103

- sign 0.000+/-0.000 χ^2/NDF: 48.7/52

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7900025.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 8640973.9/29

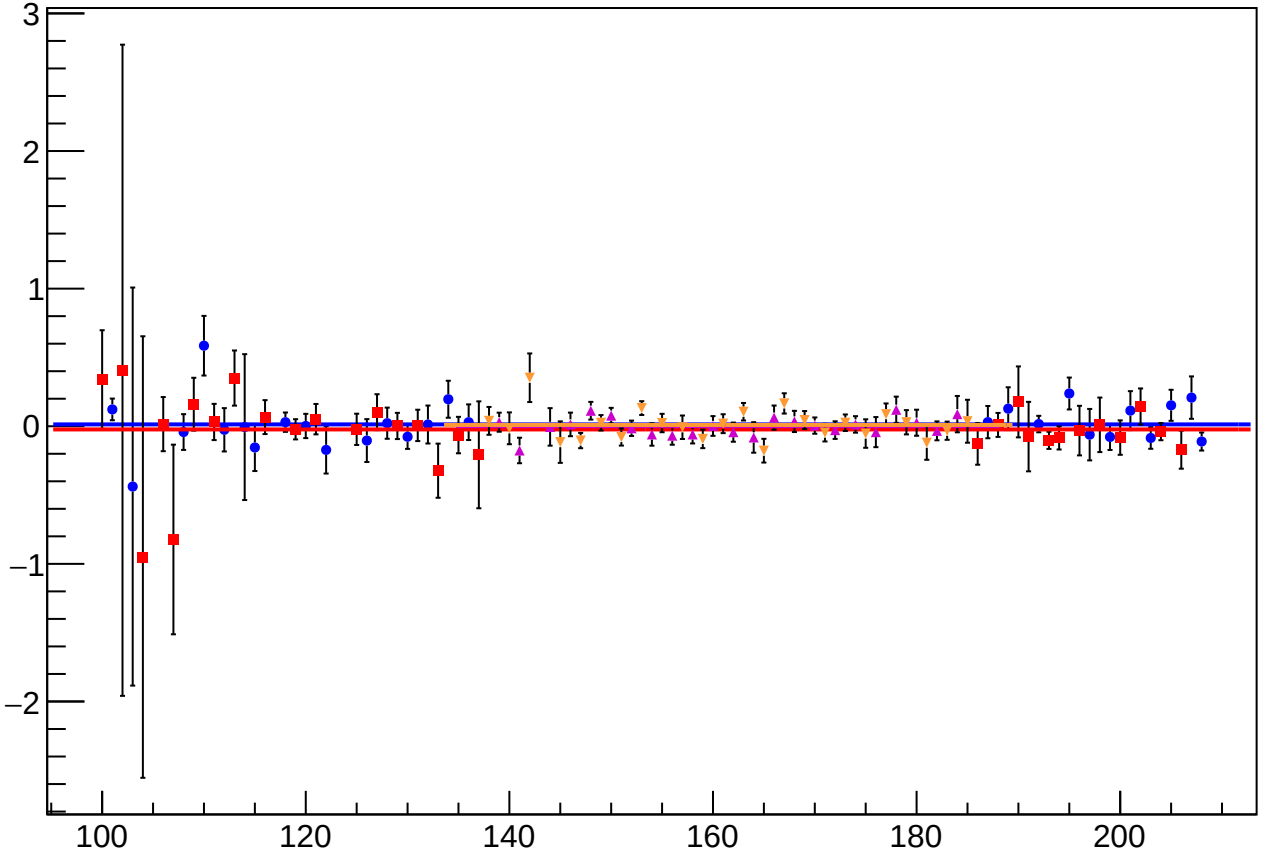
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 21179447.8/50

All: 0.001+/-0.000 χ^2/NDF: 40437868.8/103

- sign 0.001+/-0.000 χ^2/NDF: 19212256.9/52

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.013+/-0.021 χ^2/NDF: 29.1/26

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.023+/-0.022 χ^2/NDF: 18.5/29

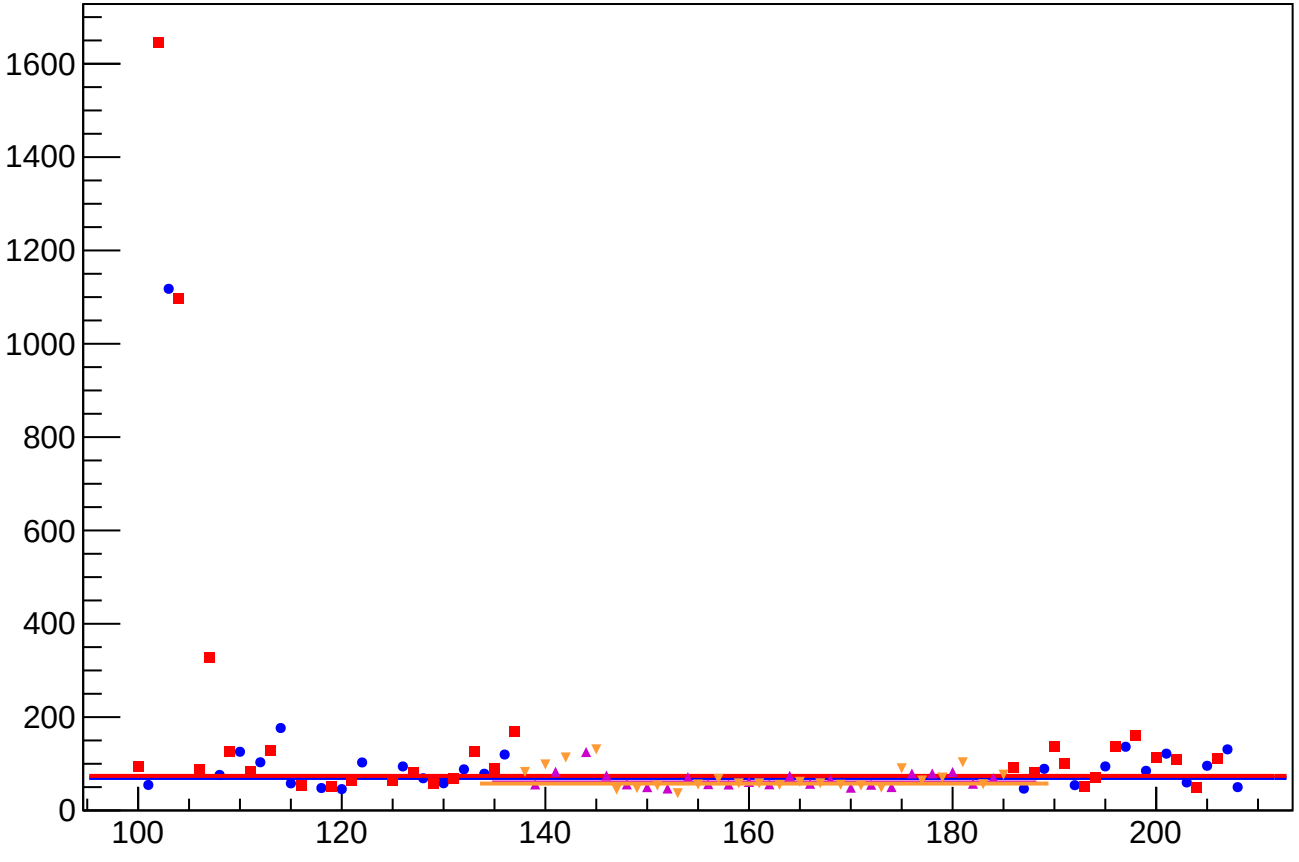
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.011+/-0.012 χ^2/NDF: 63.8/50

All: 0.002+/-0.009 χ^2/NDF: 99.7/103

- sign -0.007+/-0.013 χ^2/NDF: 34.9/52

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.665+/-0.015 χ^2/NDF: 3826986.2/26

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.064+/-0.016 χ^2/NDF: 4817173.1/29

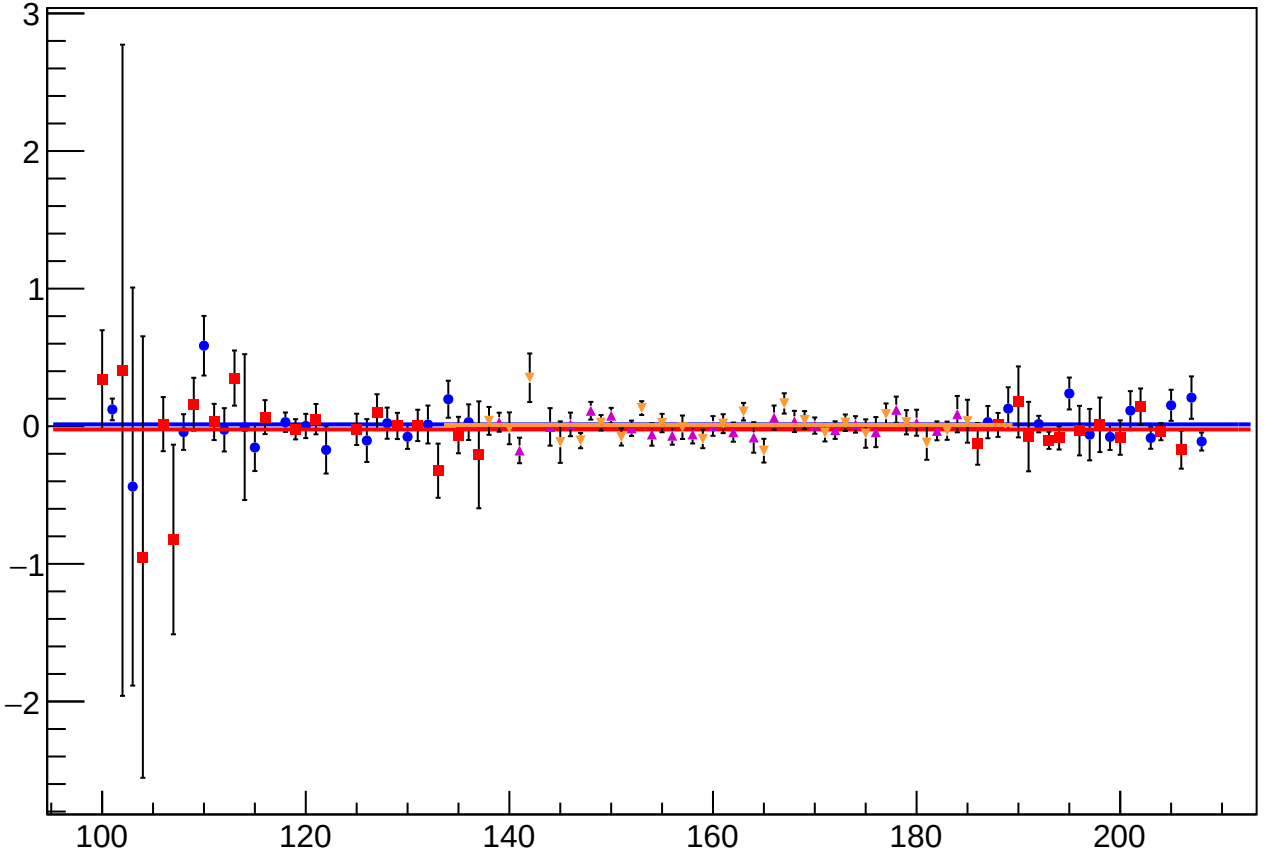
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.724+/-0.009 χ^2/NDF: 6475437.5/50

All: 63.021+/-0.006 χ^2/NDF: 13225166.5/103

- sign 64.424+/-0.009 χ^2/NDF: 6703110.1/52

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013+/-0.021 χ^2/NDF: 29.1/26

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

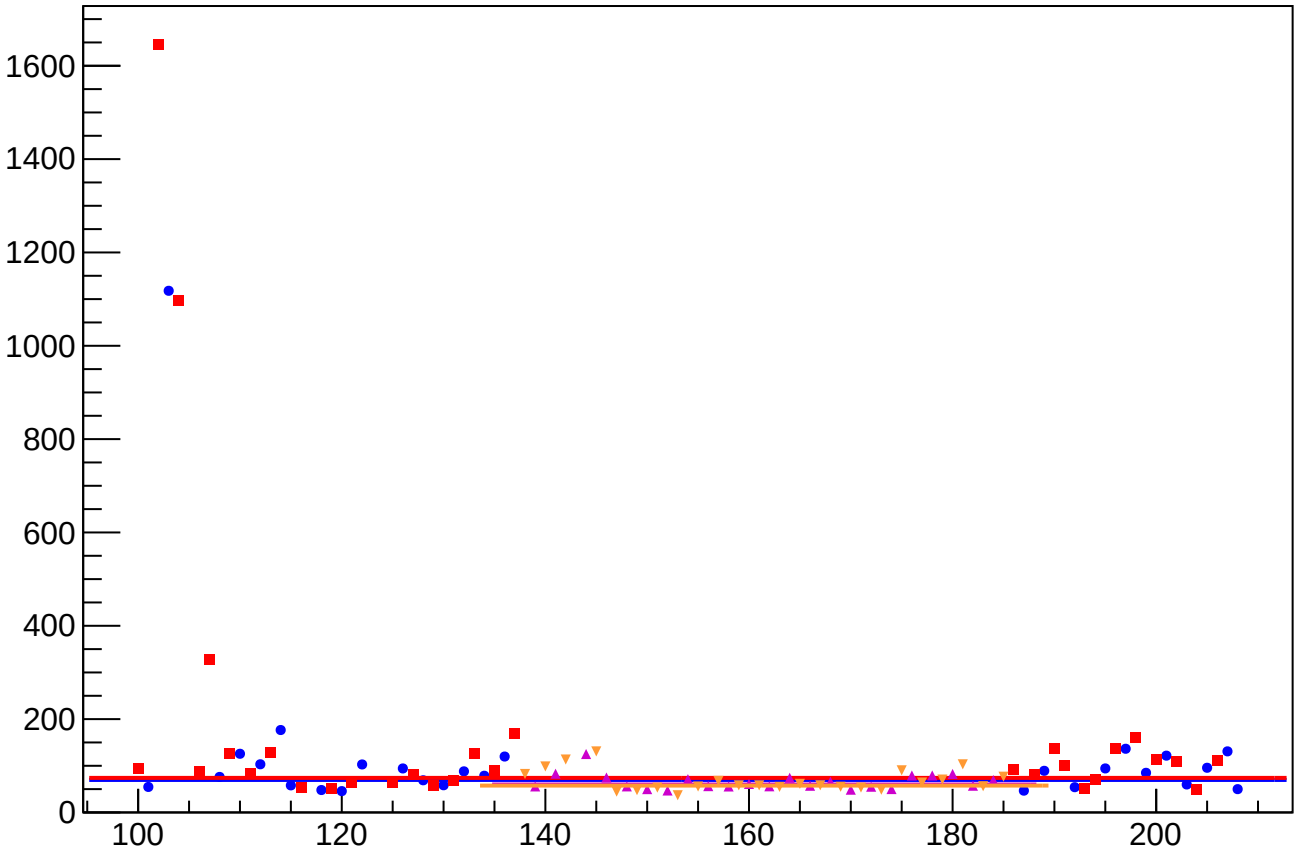
Right Out: -0.023+/-0.022 χ^2/NDF: 18.5/29

Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.011+/-0.012 χ^2/NDF: 63.8/50

All: 0.002+/-0.009 χ^2/NDF: 99.7/103

- sign -0.007+/-0.013 χ^2/NDF: 34.9/52



Right In: 69.665+/-0.015 χ^2/NDF: 3826986.2/26

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.064+/-0.016 χ^2/NDF: 4817173.1/29

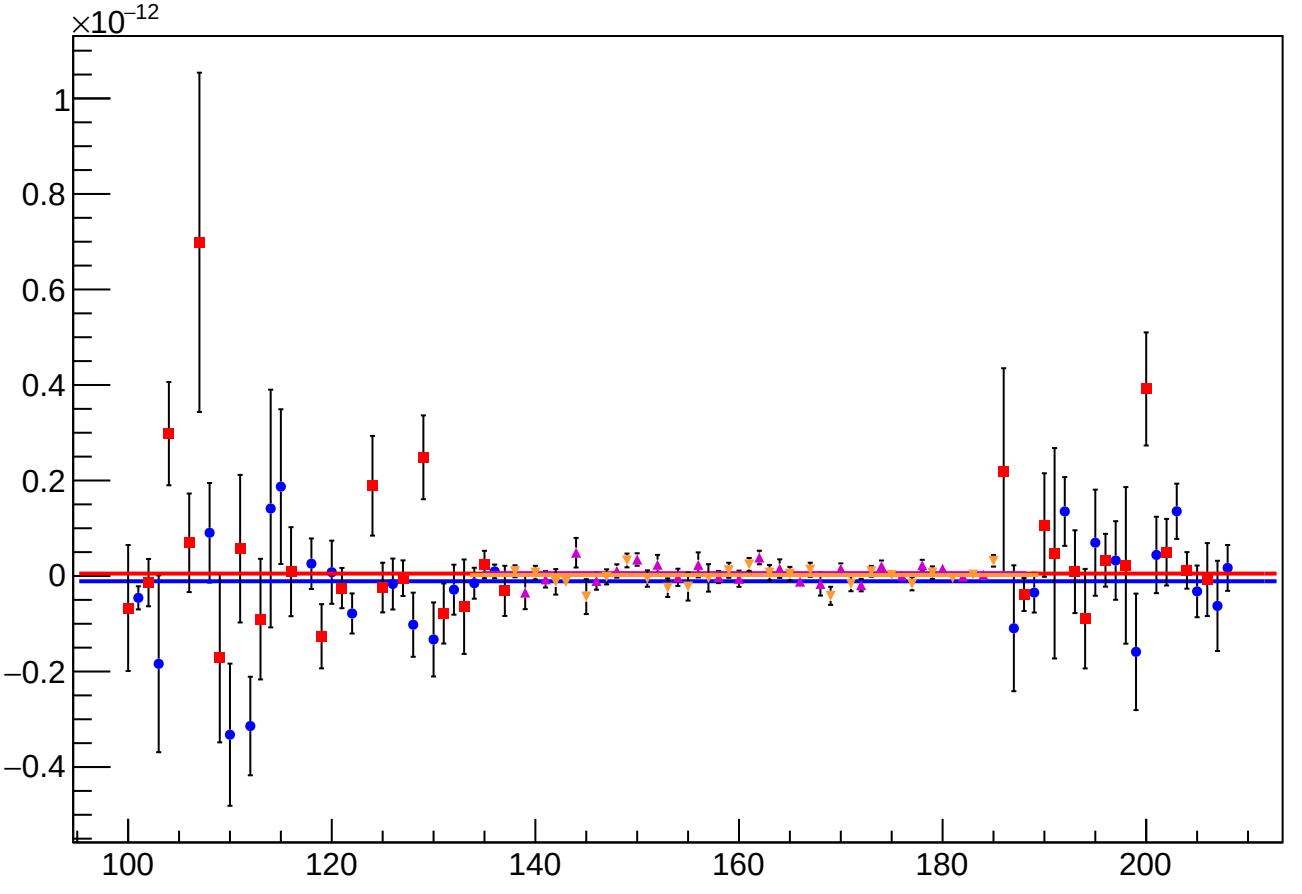
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.724+/-0.009 χ^2/NDF: 6475437.5/50

All: 63.021+/-0.006 χ^2/NDF: 13225166.5/103

- sign 64.424+/-0.009 χ^2/NDF: 6703110.1/52

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 43.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 48.1/30

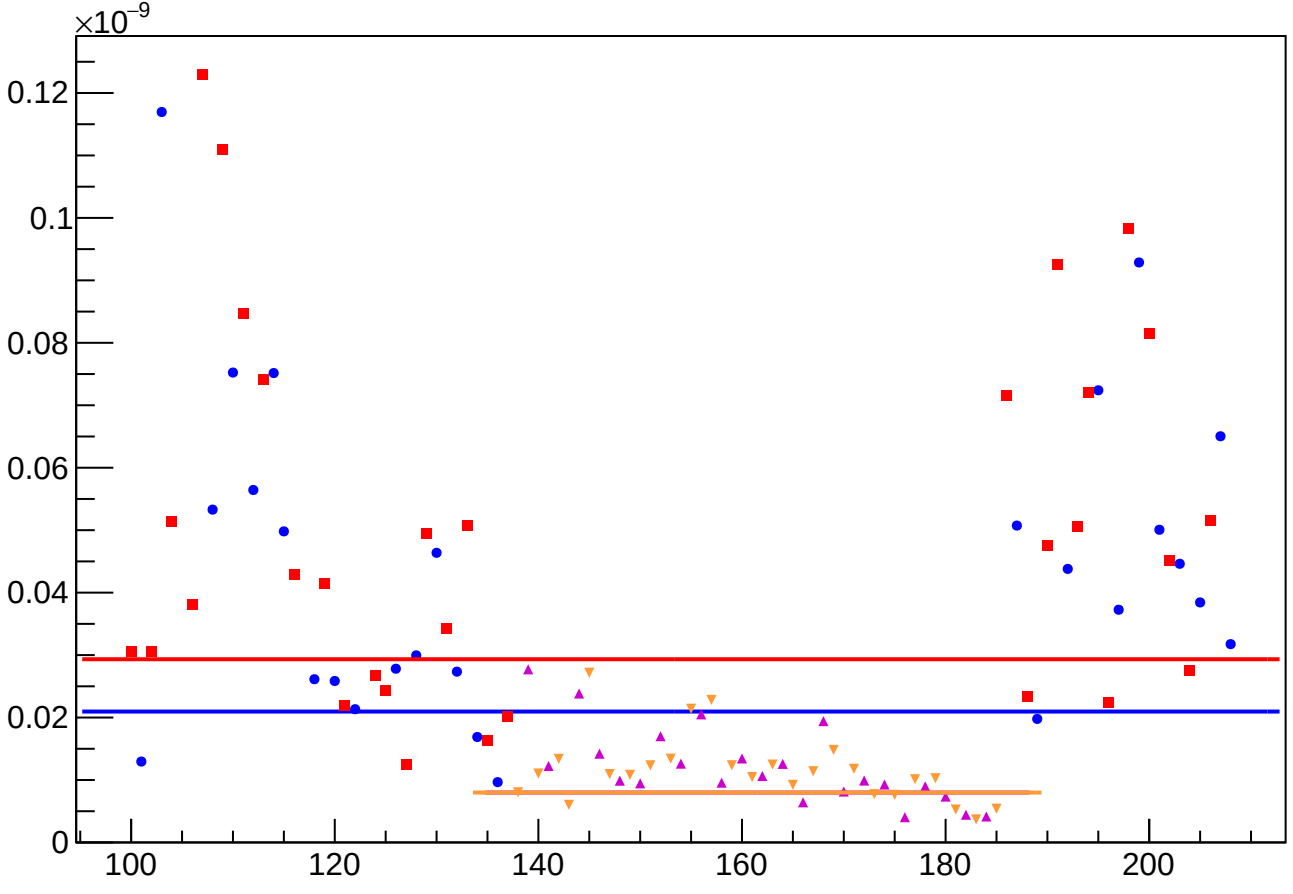
Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.5/51

All: 0.000+/-0.000 χ^2/NDF: 160.1/105

- sign 0.000+/-0.000 χ^2/NDF: 80.7/53

asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6061133.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4307329.4/30

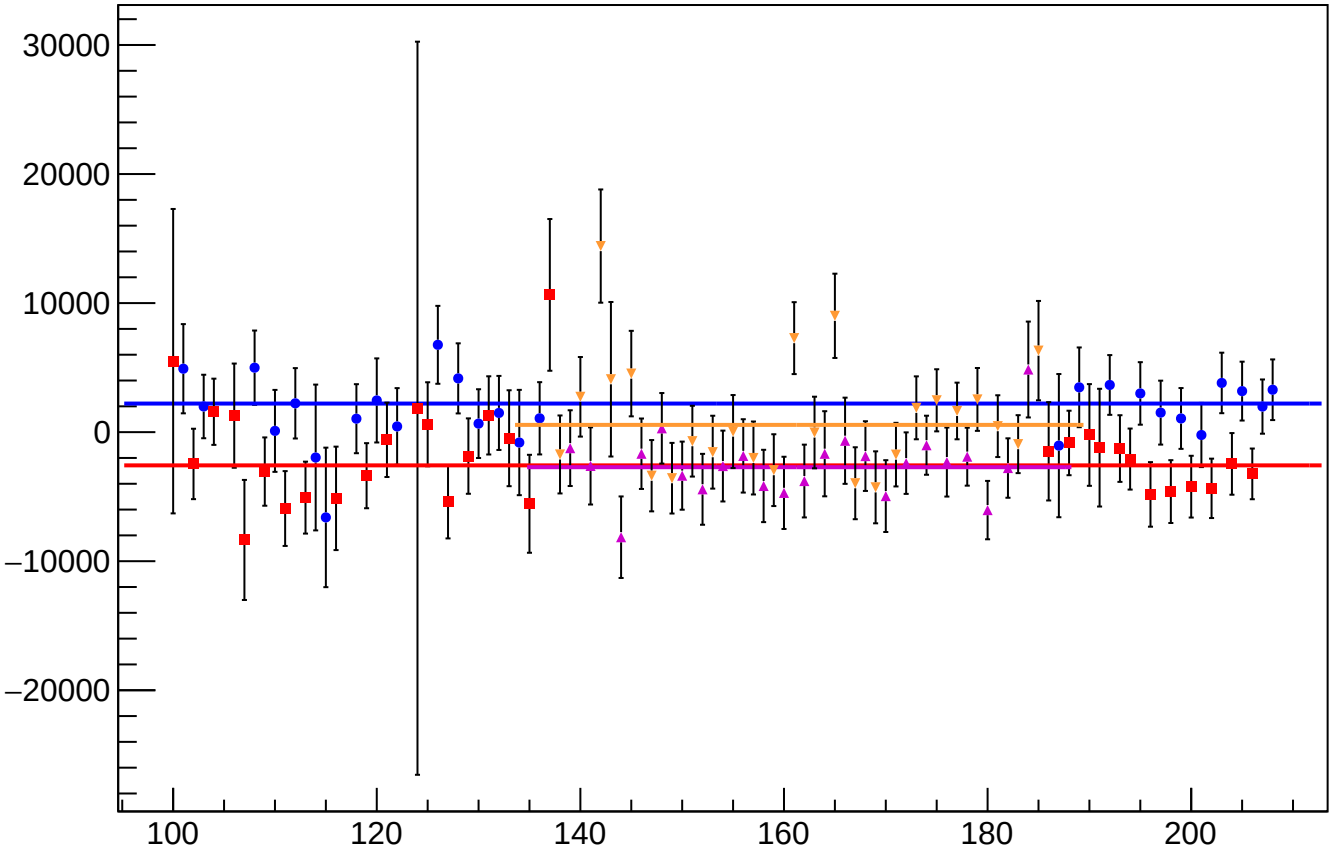
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 14853452.6/51

All: 0.000+/-0.000 χ^2/NDF: 30958369.6/105

- sign 0.000+/-0.000 χ^2/NDF: 16103635.1/53

reg_asym_atl2_mean vs Slug



Right In: 2214.836+/-535.103 χ^2/NDF: 12.8/26

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2574.419+/-531.049 χ^2/NDF: 22.4/30

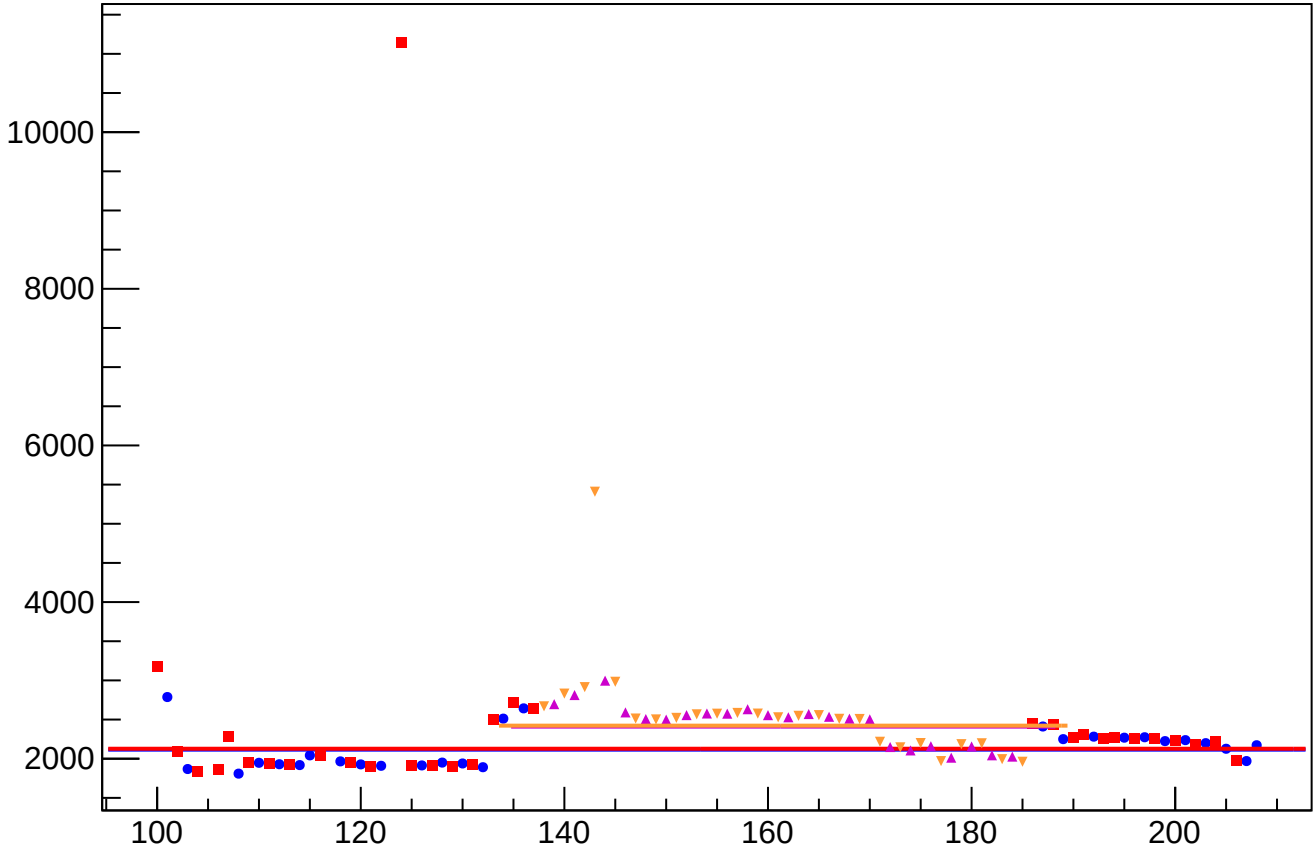
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1422.200+/-385.989 χ^2/NDF: 61.3/51

All: -602.188+/-273.412 χ^2/NDF: 153.2/105

- sign -2640.772+/-387.340 χ^2/NDF: 36.7/53

reg_asym_atl2_rms vs Slug



Right In: 2115.930+/-0.378 χ^2/NDF: 344007.3/26

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2127.372+/-0.376 χ^2/NDF: 525864.2/30

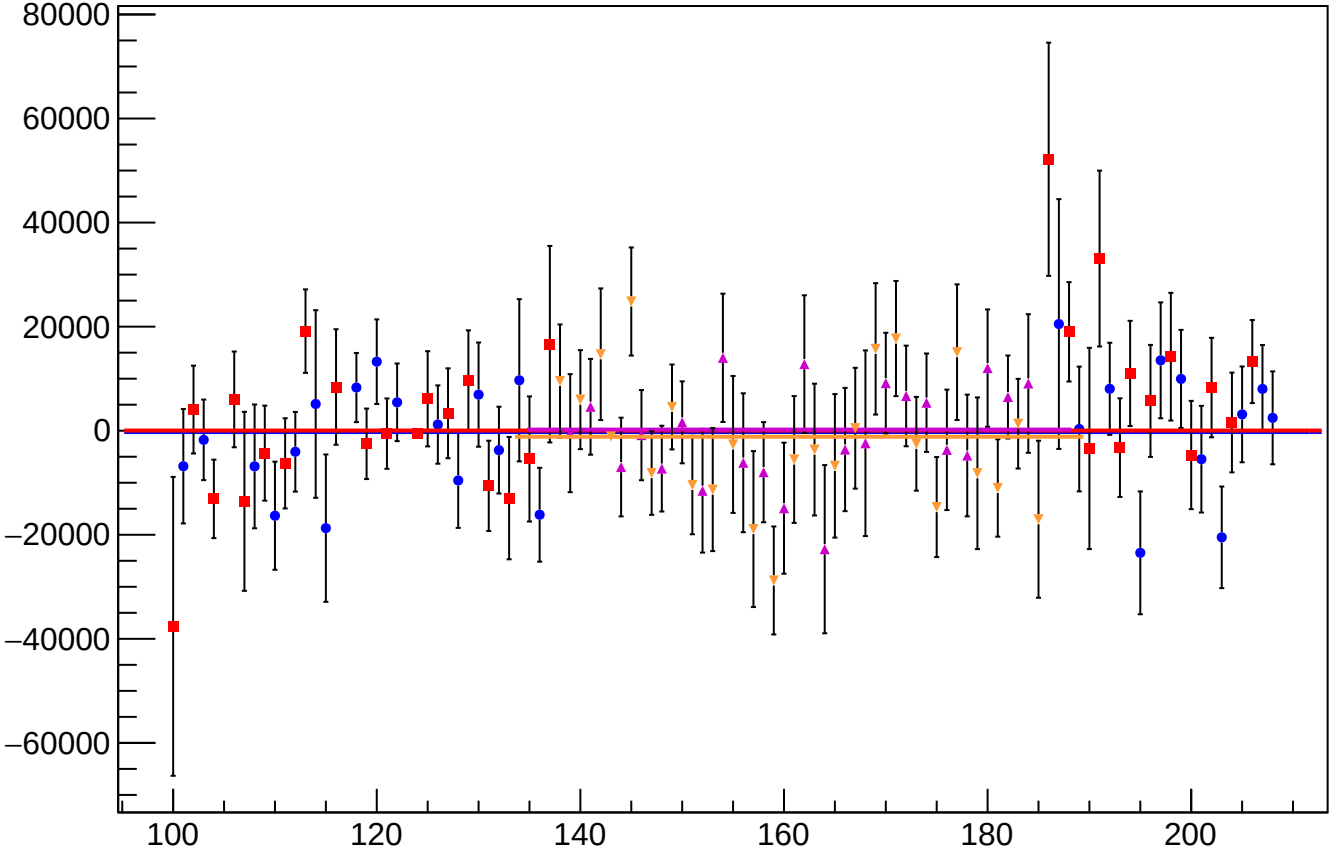
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2262.816+/-0.273 χ^2/NDF: 1611042.6/51

All: 2261.192+/-0.193 χ^2/NDF: 2830118.6/10

- sign 2259.556+/-0.274 χ^2/NDF: 1219004.9/53

asym_atl2_reg_correction_mean vs Slug



Right In: -254.859+/-1829.010 χ^2/NDF: 29.4/26

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 36.237+/-746.138 χ^2/NDF: 38.8/30

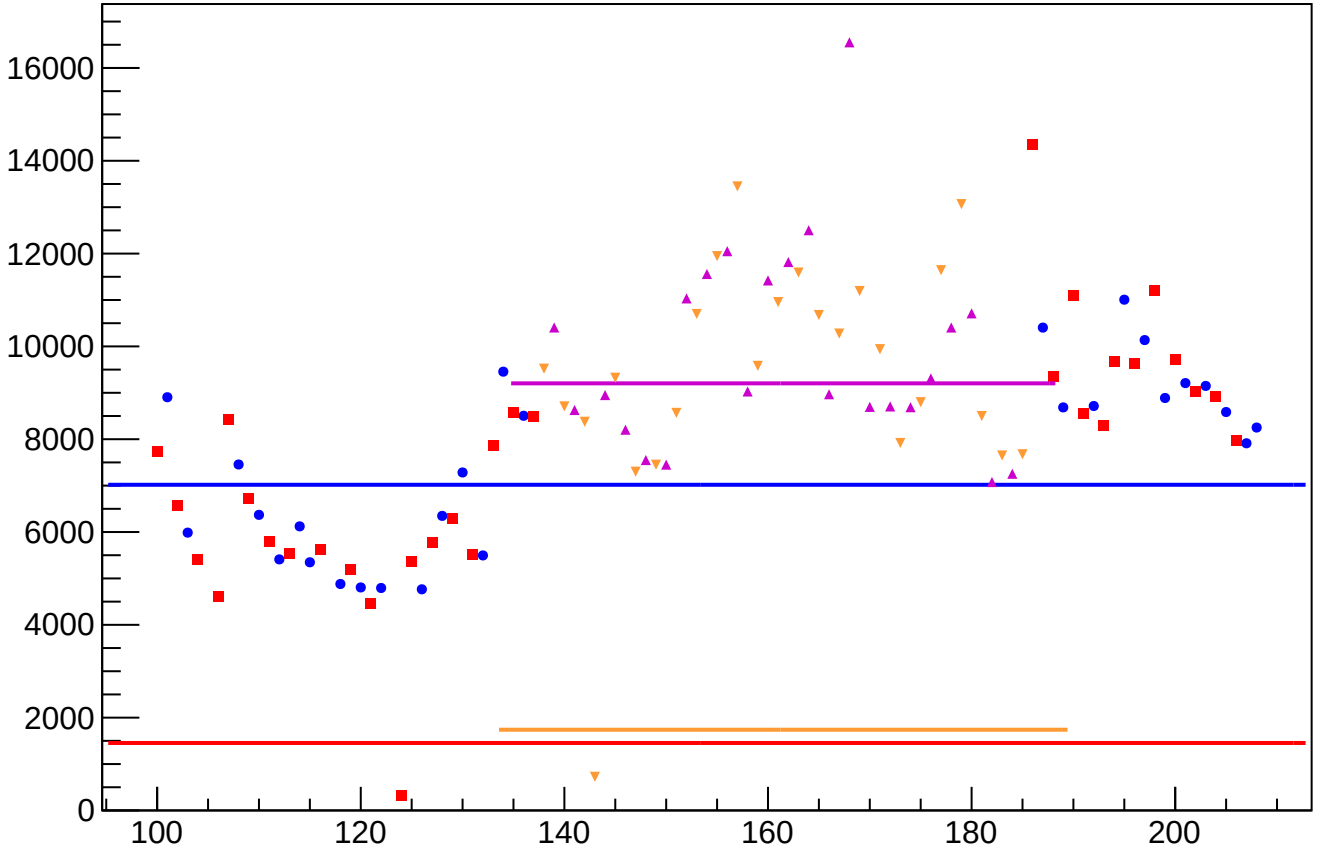
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1025.862+/-700.087 χ^2/NDF: 61.5/51

All: -490.711+/-497.267 χ^2/NDF: 114.9/105

- sign 54.199+/-706.441 χ^2/NDF: 52.2/53

asym_atl2_reg_correction_rms vs Slug



Right In: 7018.064+/-1.293 χ^2/NDF: 2040797.8/26

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1454.148+/-0.528 χ^2/NDF: 24894957.3/30

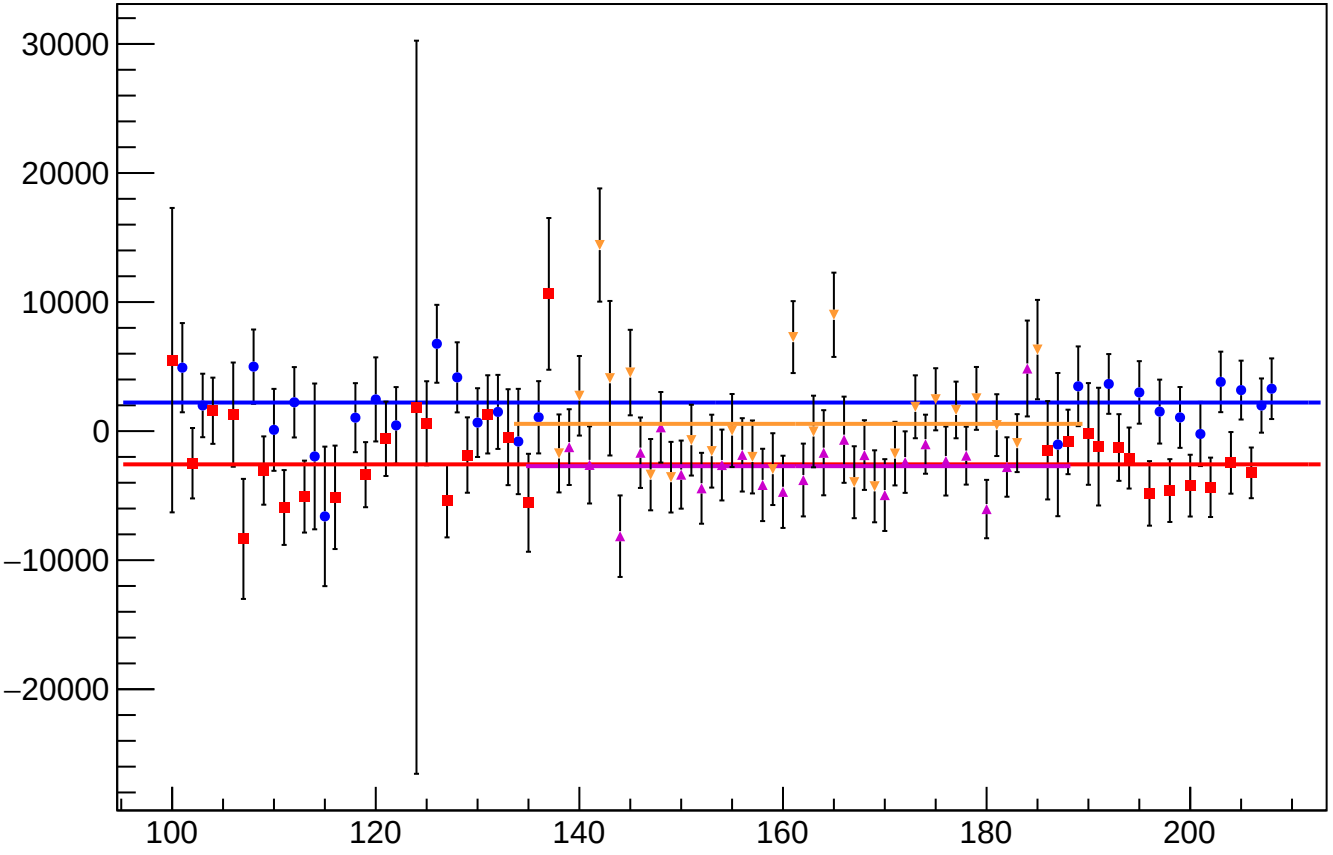
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2513.033+/-0.495 χ^2/NDF: 43991436.9/51

All: 2386.086+/-0.352 χ^2/NDF: 92637761.7/1

- sign 2256.823+/-0.500 χ^2/NDF: 48513601.0/53

cor_asym_atl2_mean vs Slug



Right In: 2214.819+/-535.103 χ^2/NDF: 12.8/26

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2575.313+/-531.052 χ^2/NDF: 22.4/30

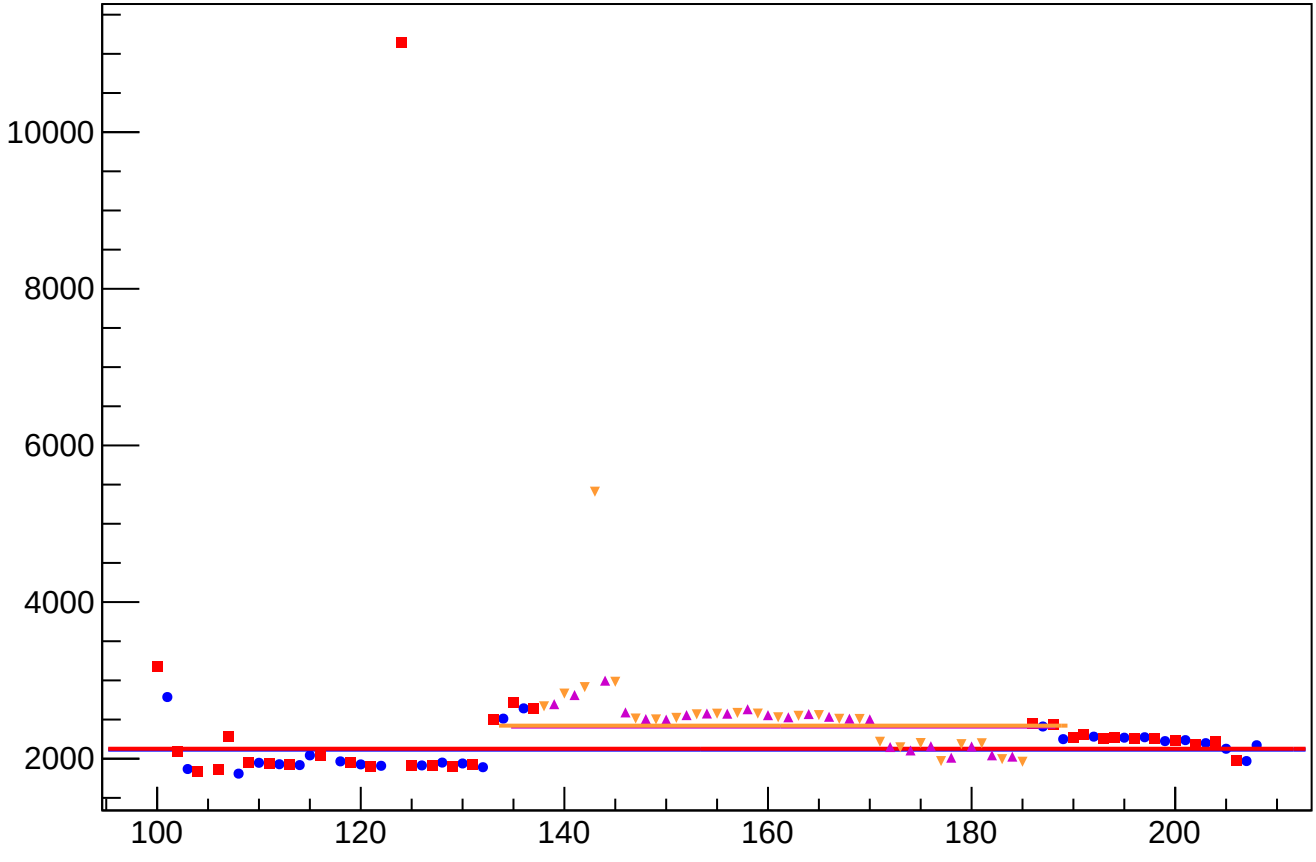
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1422.193+/-385.989 χ^2/NDF: 61.3/51

All: -602.414+/-273.412 χ^2/NDF: 153.2/105

- sign -2641.230+/-387.341 χ^2/NDF: 36.7/53

cor_asym_atl2_rms vs Slug



Right In: 2115.930+/-0.378 χ^2/NDF: 344007.2/26

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2127.383+/-0.376 χ^2/NDF: 525859.2/30

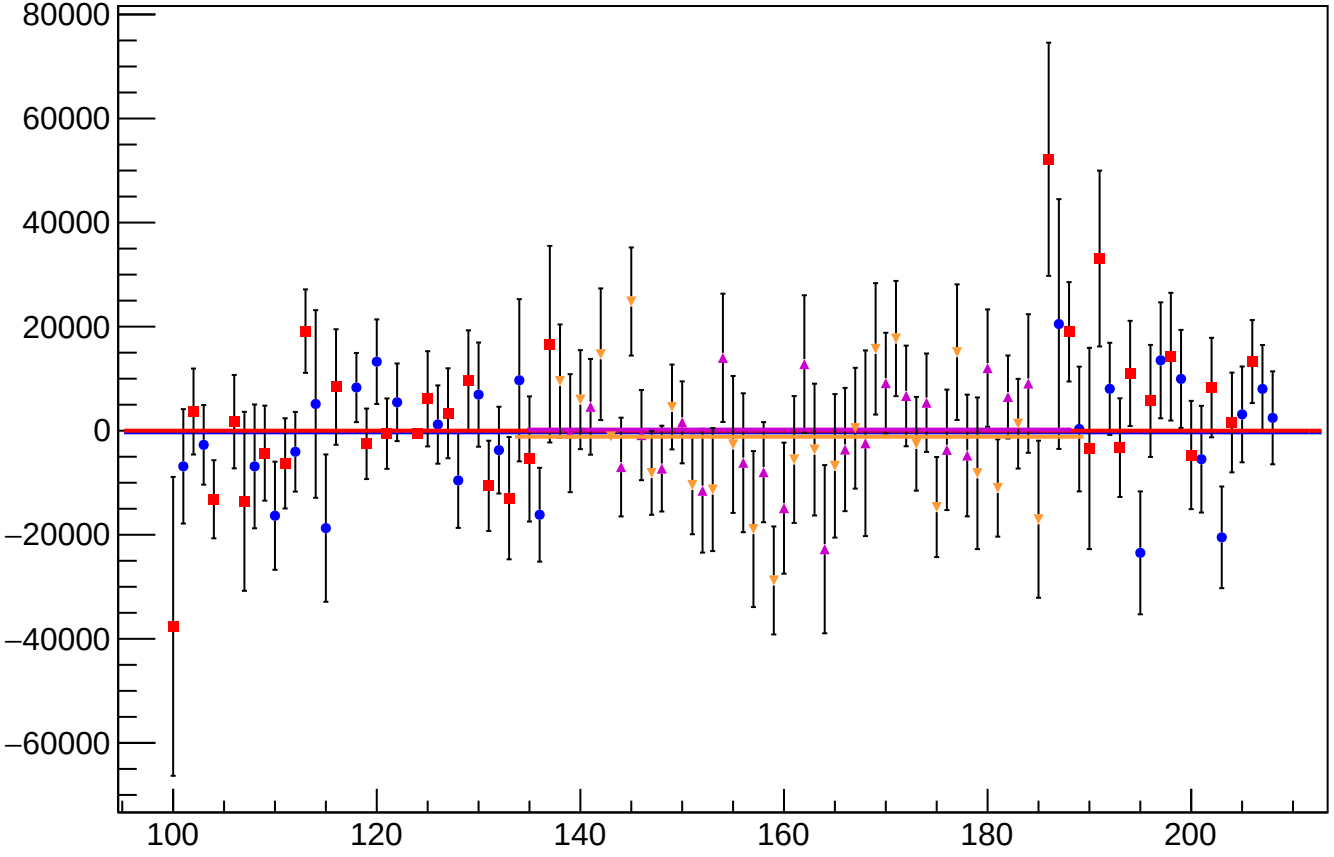
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2262.816+/-0.273 χ^2/NDF: 1611042.7/51

All: 2261.195+/-0.193 χ^2/NDF: 2830090.3/10

- sign 2259.563+/-0.274 χ^2/NDF: 1218976.8/53

asym_atl2_cor_correction_mean vs Slug



Right In: -312.193+/-1827.793 χ^2/NDF: 29.4/26

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 4.374+/-745.827 χ^2/NDF: 38.4/30

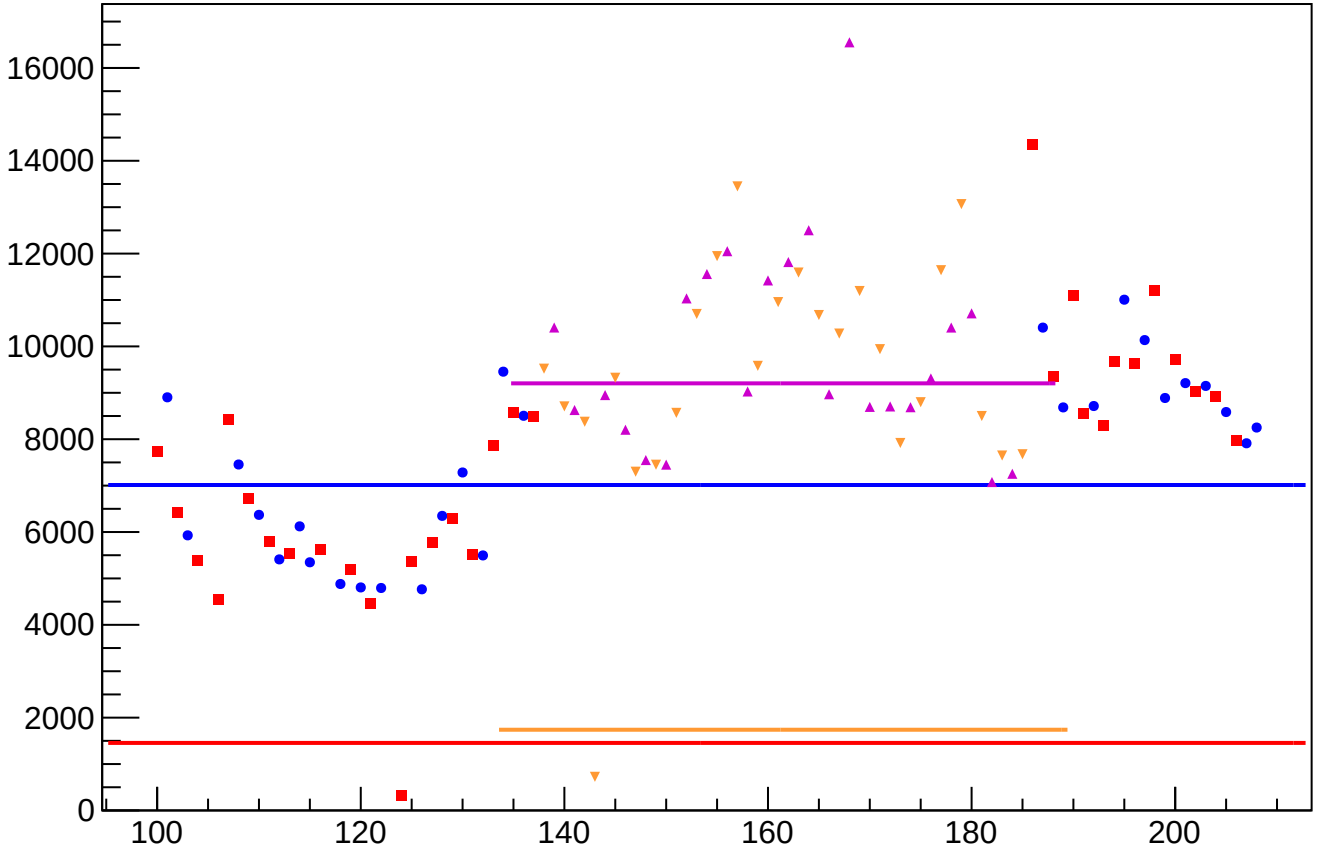
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1033.935+/-699.967 χ^2/NDF: 61.6/51

All: -508.844+/-497.133 χ^2/NDF: 114.5/105

- sign 25.604+/-706.177 χ^2/NDF: 51.8/53

asym_atl2_cor_correction_rms vs Slug



Right In: 7013.327+/-1.292 χ^2/NDF: 2045772.5/26

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1455.386+/-0.527 χ^2/NDF: 24886264.5/30

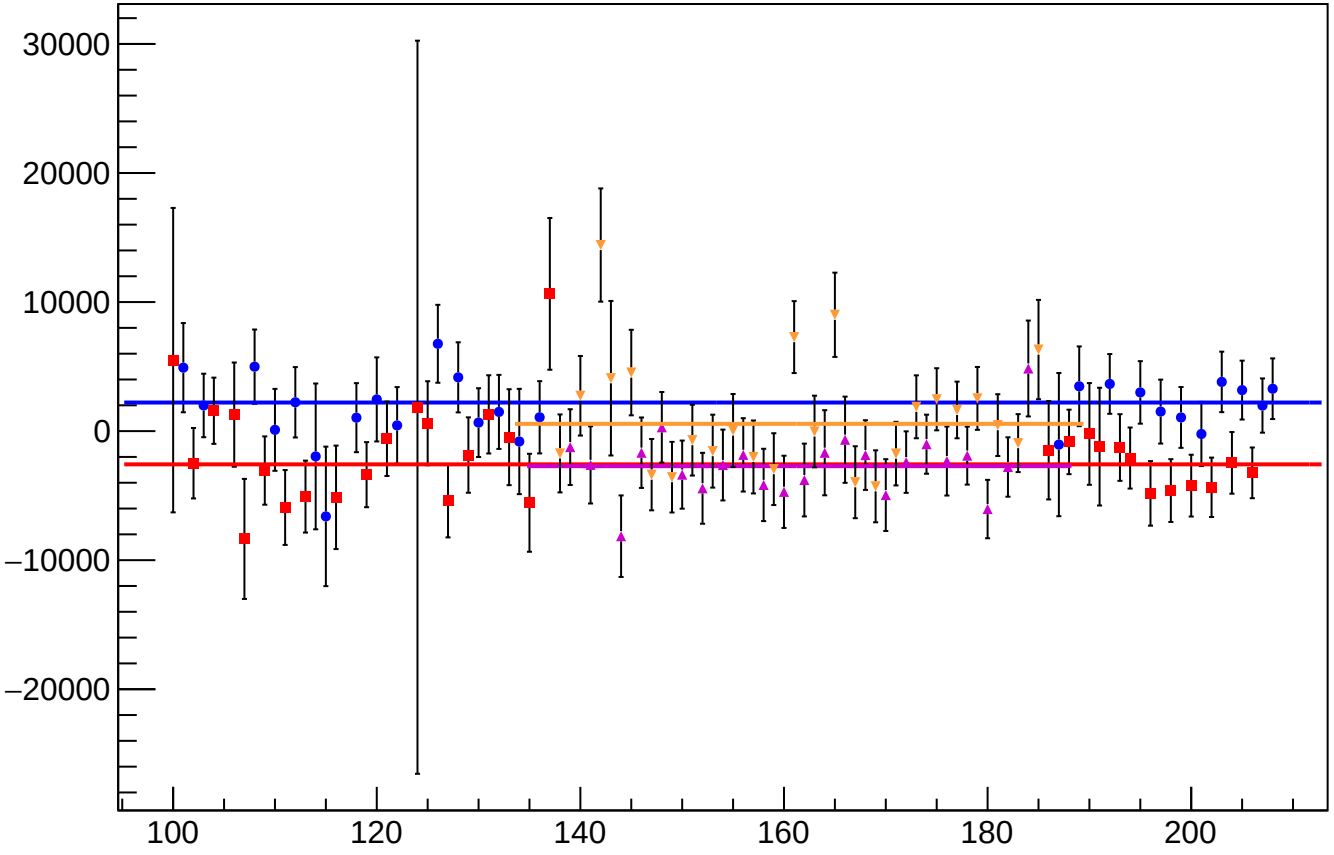
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2512.905+/-0.495 χ^2/NDF: 43989705.0/51

All: 2386.248+/-0.352 χ^2/NDF: 92621524.2/1

- sign 2257.333+/-0.499 χ^2/NDF: 48499684.0/53

eigen_cor_asym_atl2_mean vs Slug



Right In: 2214.819+/-535.103 χ^2/NDF: 12.8/26

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2575.313+/-531.052 χ^2/NDF: 22.4/30

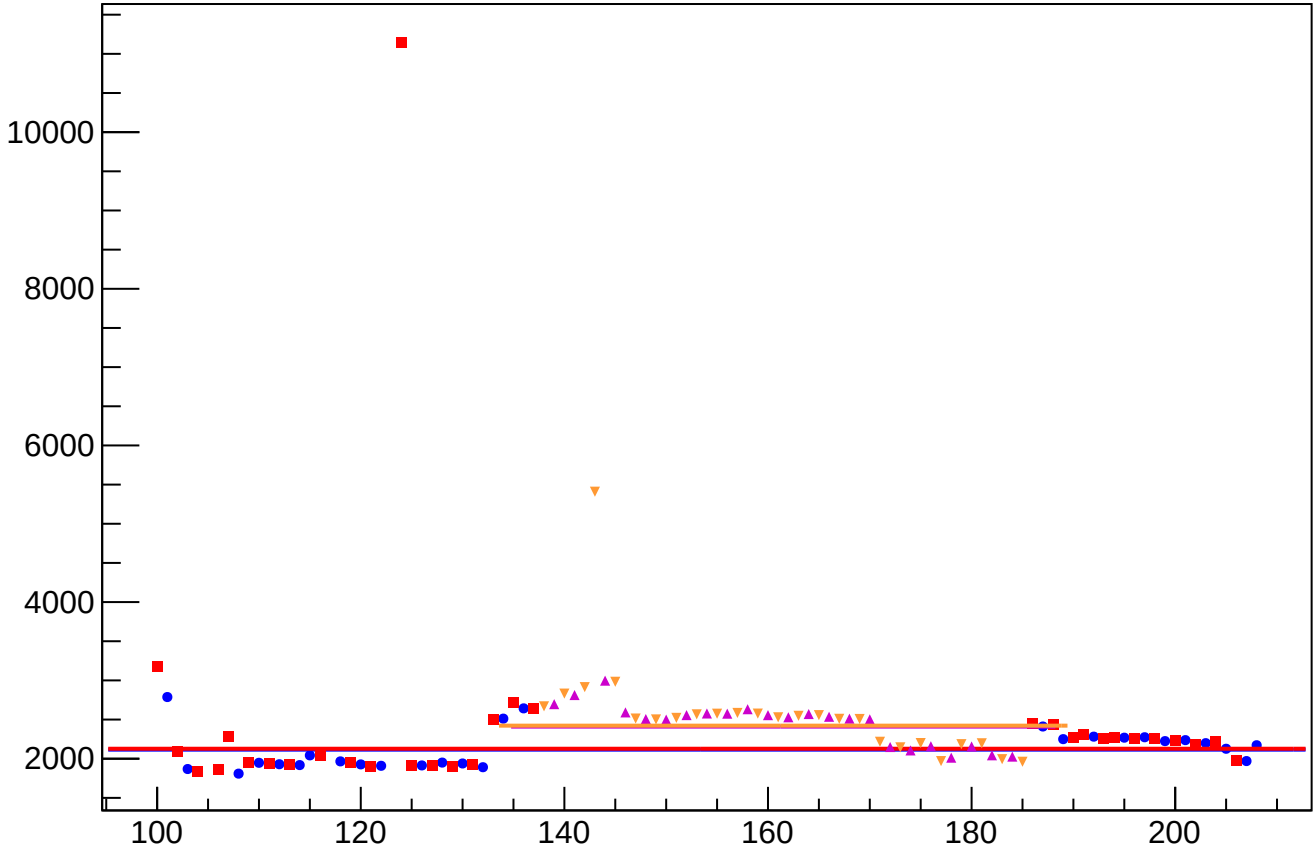
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1422.193+/-385.989 χ^2/NDF: 61.3/51

All: -602.414+/-273.412 χ^2/NDF: 153.2/105

- sign -2641.230+/-387.341 χ^2/NDF: 36.7/53

eigen_cor_asym_atl2_rms vs Slug



Right In: 2115.930+/-0.378 χ^2/NDF: 344007.2/26

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2127.383+/-0.376 χ^2/NDF: 525859.2/30

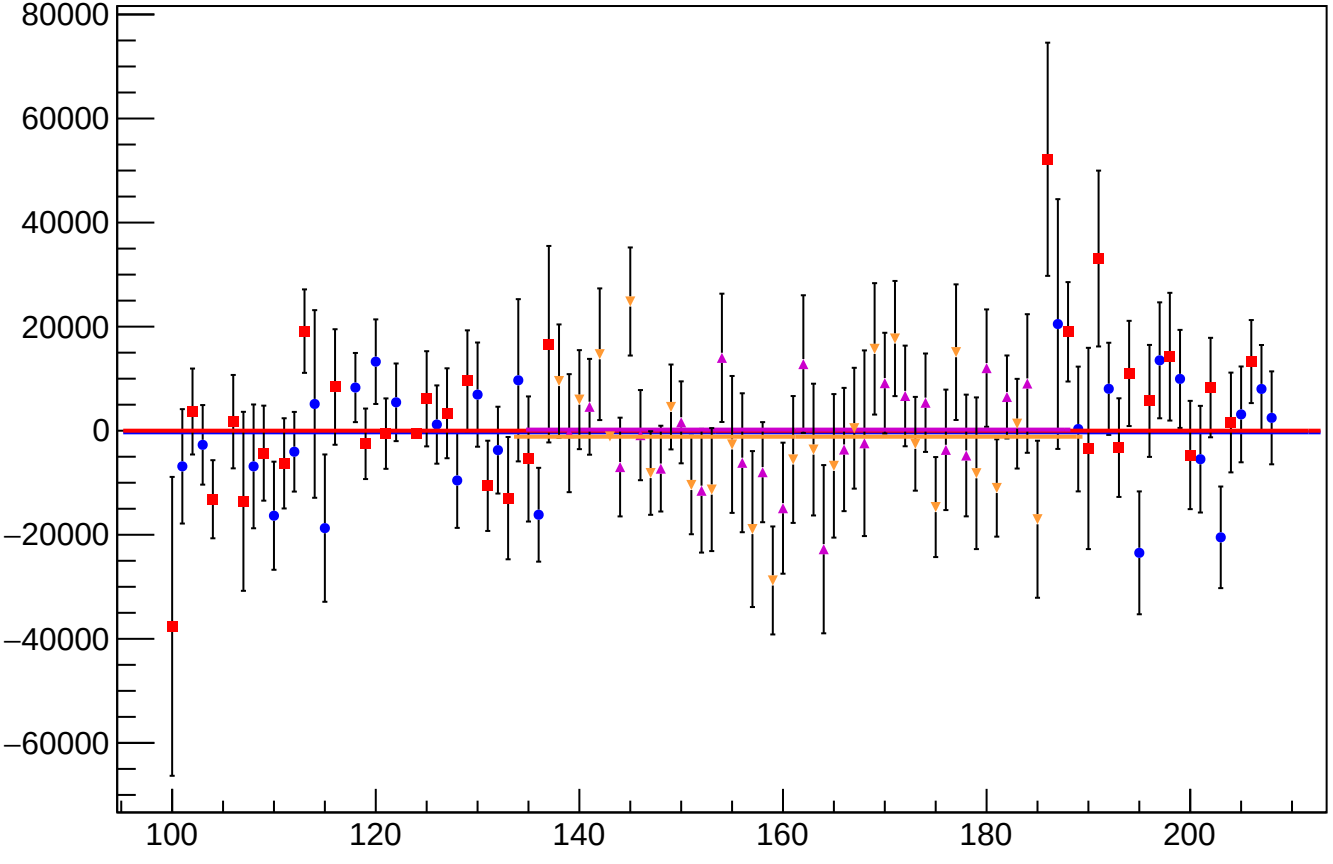
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2262.816+/-0.273 χ^2/NDF: 1611042.7/51

All: 2261.195+/-0.193 χ^2/NDF: 2830090.3/10

- sign 2259.563+/-0.274 χ^2/NDF: 1218976.8/53

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -312.193+/-1827.793 χ^2/NDF: 29.4/26

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 4.374+/-745.827 χ^2/NDF: 38.4/30

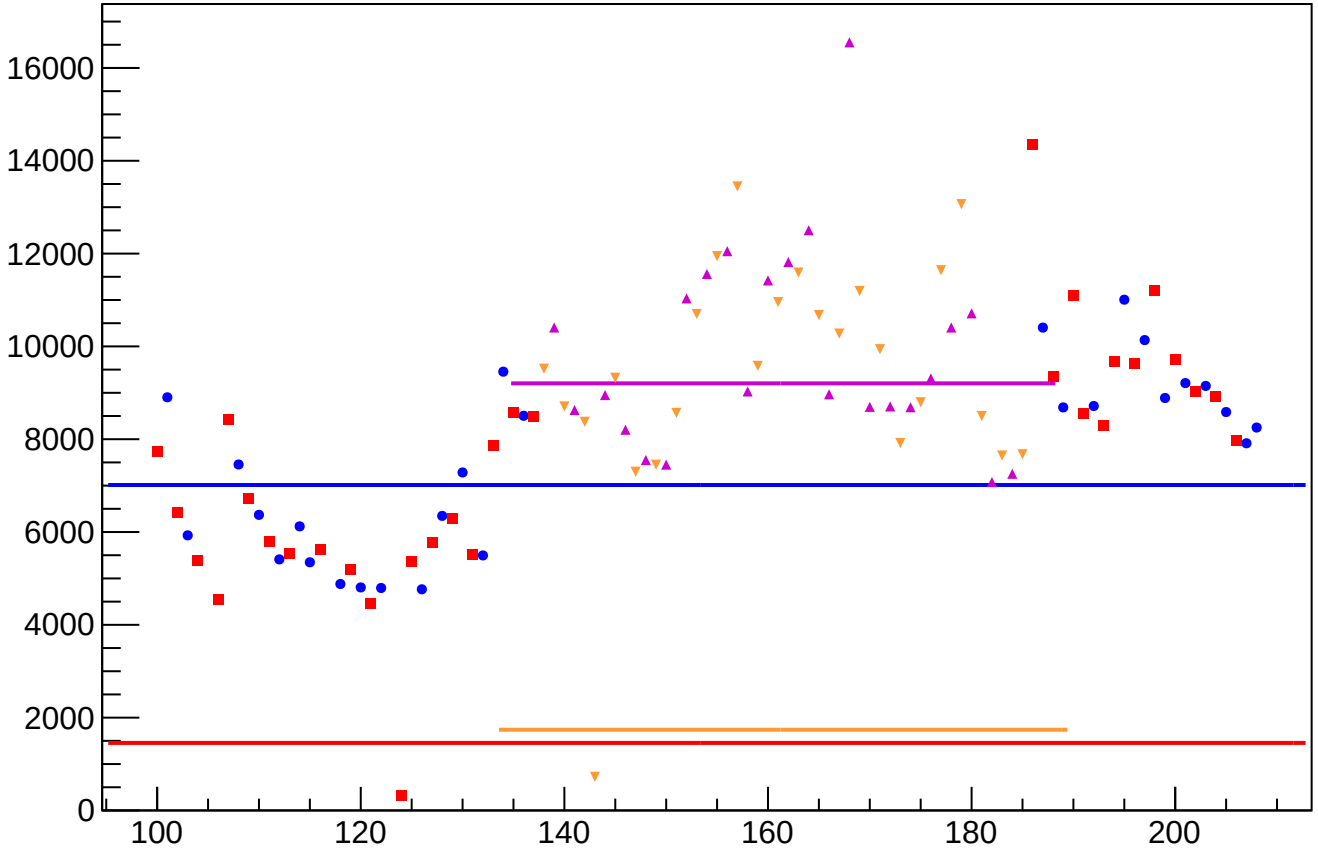
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1033.935+/-699.967 χ^2/NDF: 61.6/51

All: -508.844+/-497.133 χ^2/NDF: 114.5/105

- sign 25.604+/-706.177 χ^2/NDF: 51.8/53

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 7013.327+/-1.292 χ^2/NDF: 2045772.5/26

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1455.386+/-0.527 χ^2/NDF: 24886264.5/30

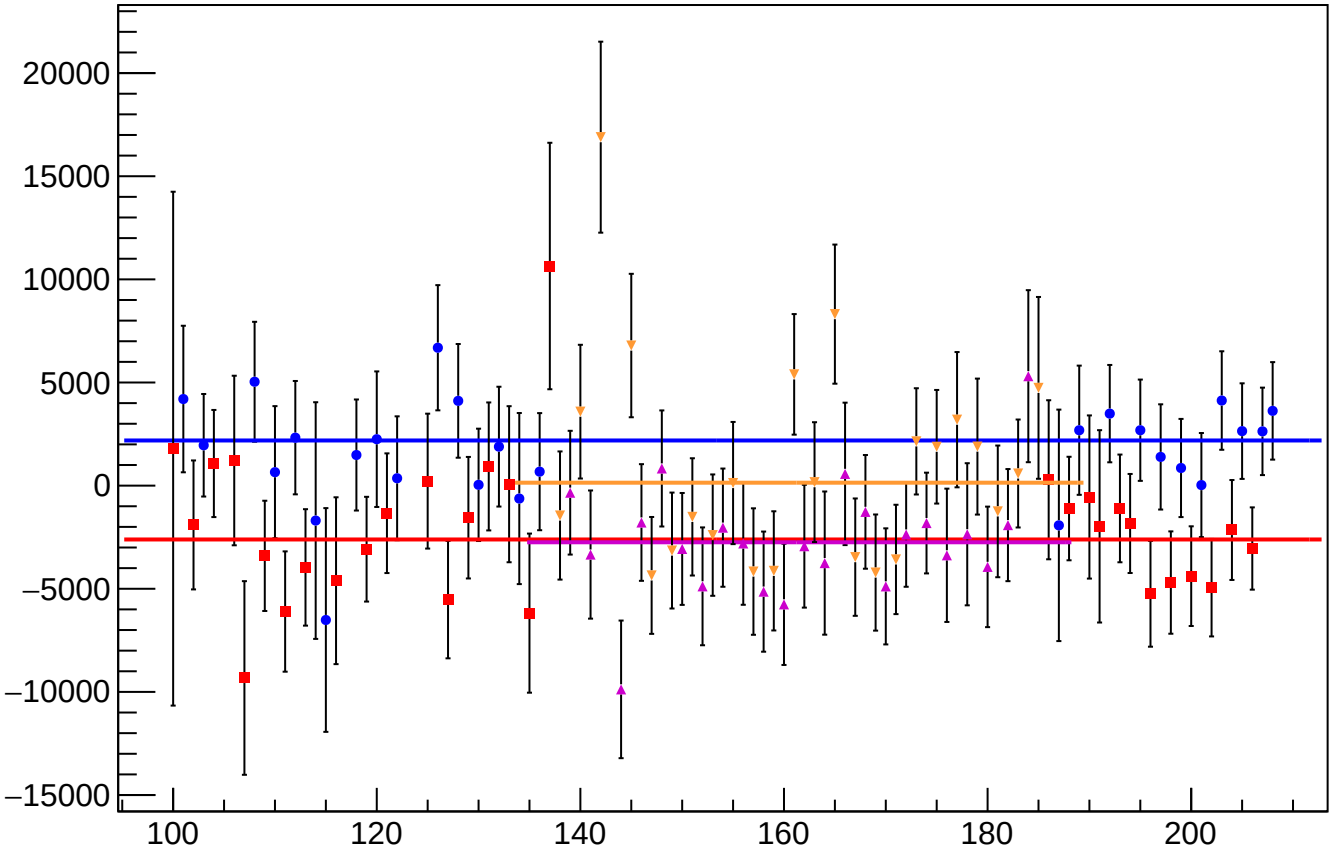
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2512.905+/-0.495 χ^2/NDF: 43989705.0/51

All: 2386.248+/-0.352 χ^2/NDF: 92621524.2/1

- sign 2257.333+/-0.499 χ^2/NDF: 48499684.0/53

dit_asym_atl2_mean vs Slug



Right In: 2189.364+/-542.248 χ^2/NDF: 12.2/26

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2610.162+/-540.450 χ^2/NDF: 21.8/29

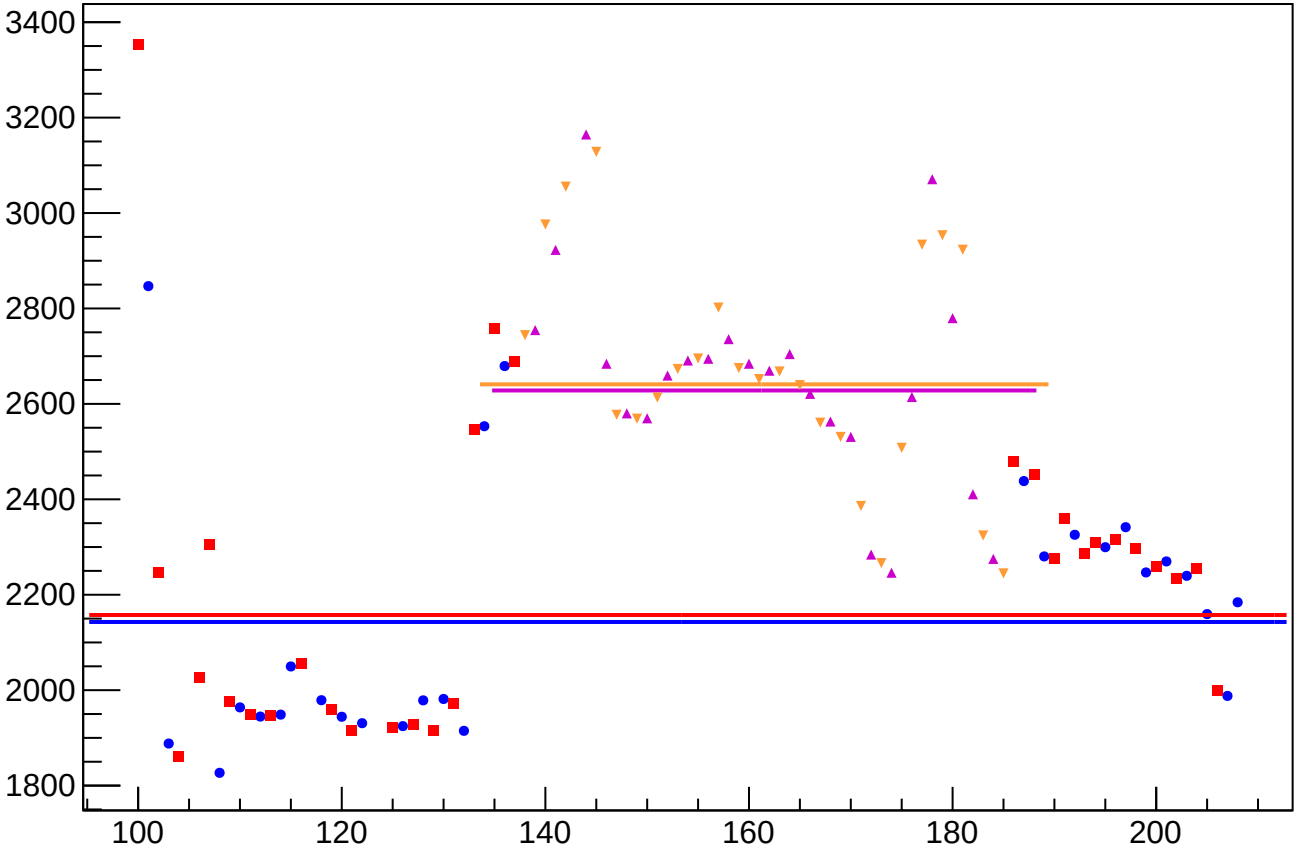
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1295.299+/-406.940 χ^2/NDF: 64.3/50

All: -690.127+/-287.520 χ^2/NDF: 149.1/103

- sign -2669.224+/-406.291 χ^2/NDF: 37.3/52

dit_asym_atl2_rms vs Slug



Right In: 2142.936+/-0.383 χ^2/NDF: 360453.1/26

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2157.585+/-0.382 χ^2/NDF: 333058.8/29

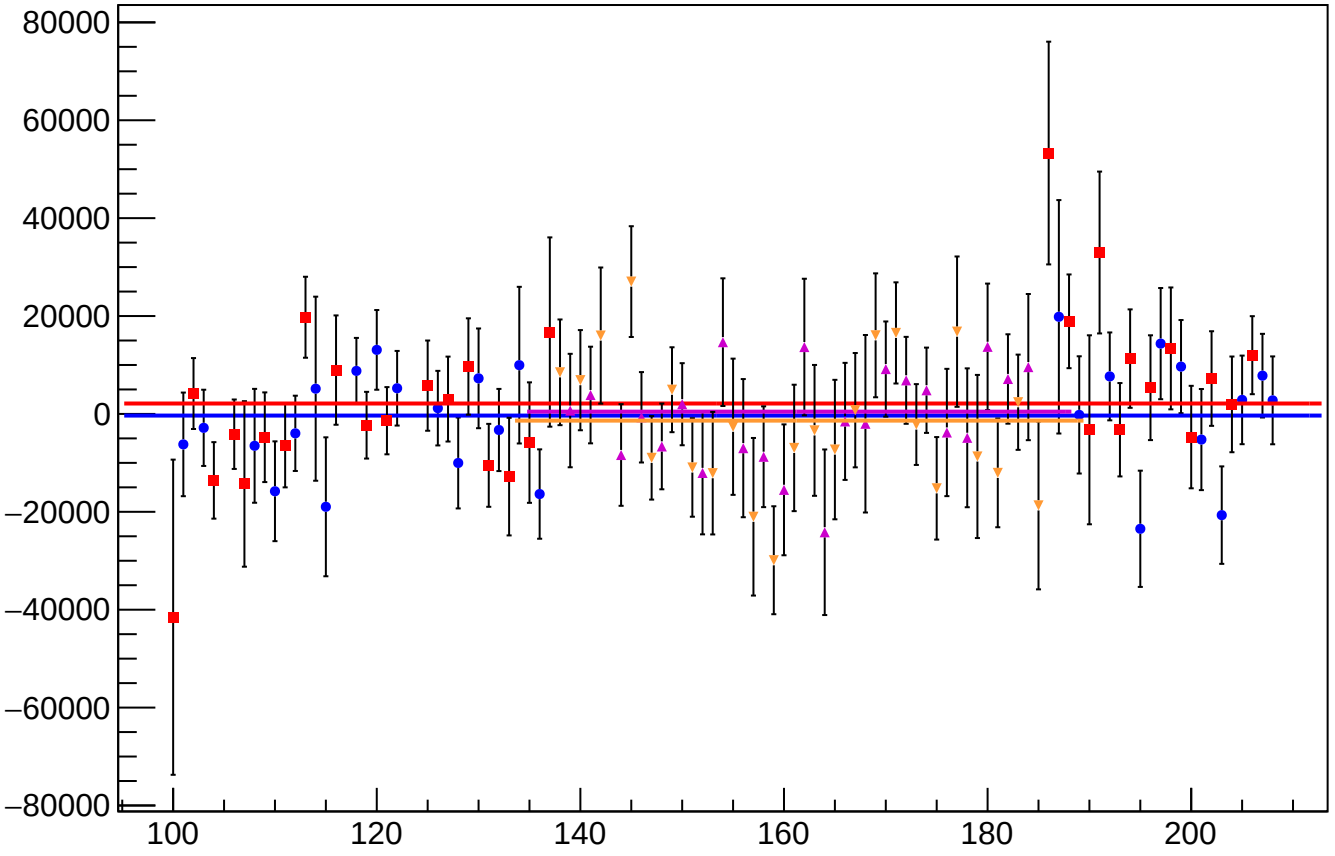
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2360.484+/-0.288 χ^2/NDF: 1350854.3/50

All: 2361.255+/-0.203 χ^2/NDF: 2581080.2/10

- sign 2362.023+/-0.287 χ^2/NDF: 1230211.6/52

asym_atl2_dit_correction_mean vs Slug



Right In: -335.857+/-1842.049 χ^2/NDF: 29.1/26

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 2127.965+/-1774.940 χ^2/NDF: 36.4/29

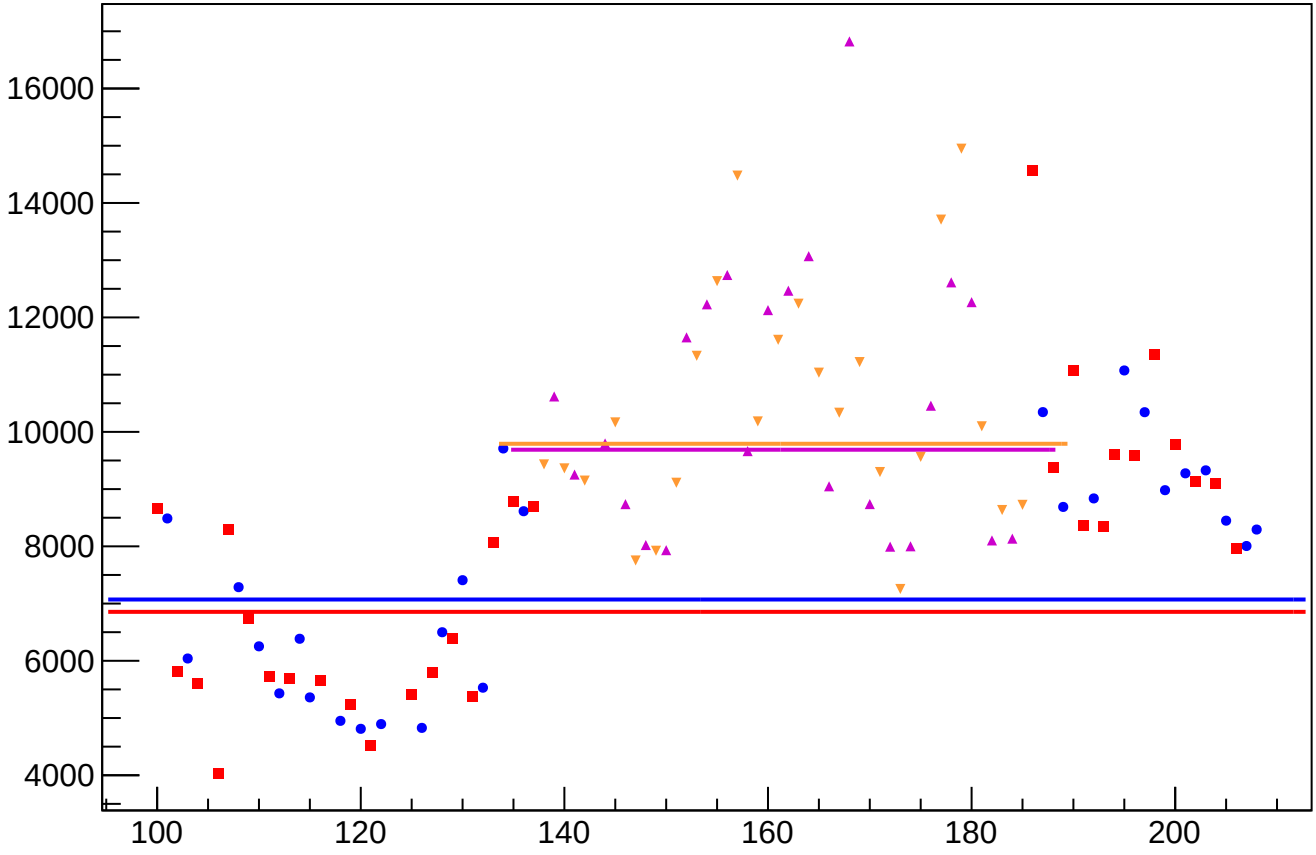
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -733.173+/-1444.129 χ^2/NDF: 60.4/50

All: 417.323+/-1008.304 χ^2/NDF: 111.4/103

- sign 1511.679+/-1408.455 χ^2/NDF: 49.8/52

asym_atl2_dit_correction_rms vs Slug



Right In: 7071.039+/-1.303 χ^2/NDF: 2010395.4/26

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 6855.438+/-1.255 χ^2/NDF: 2583801.4/29

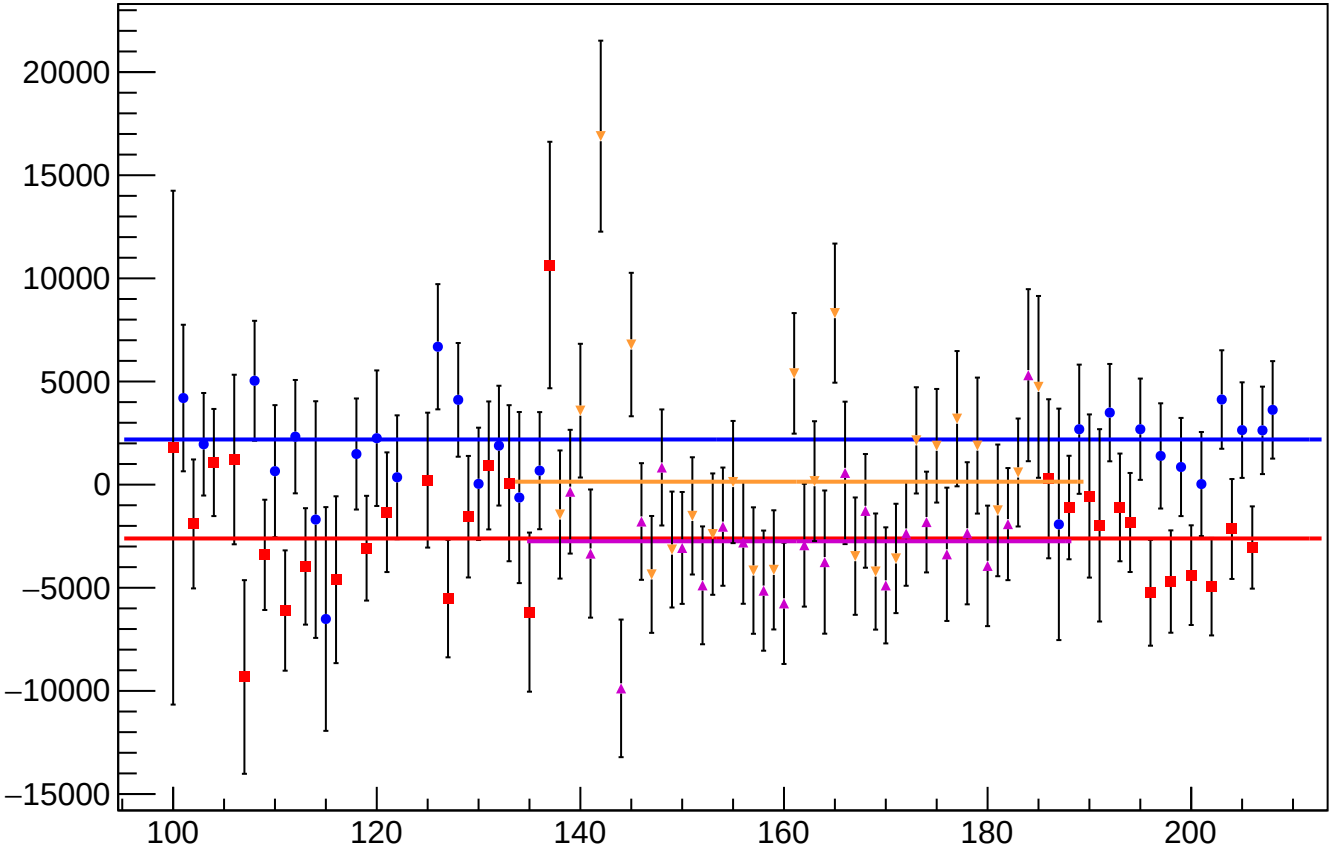
Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 8119.722+/-1.021 χ^2/NDF: 4911478.1/50

All: 8009.402+/-0.713 χ^2/NDF: 10782723.9/1

- sign 7904.464+/-0.996 χ^2/NDF: 5848472.0/52

eigen_dit_asym_atl2_mean vs Slug



Right In: 2189.366+/-542.248 χ^2/NDF: 12.2/26

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2610.160+/-540.450 χ^2/NDF: 21.8/29

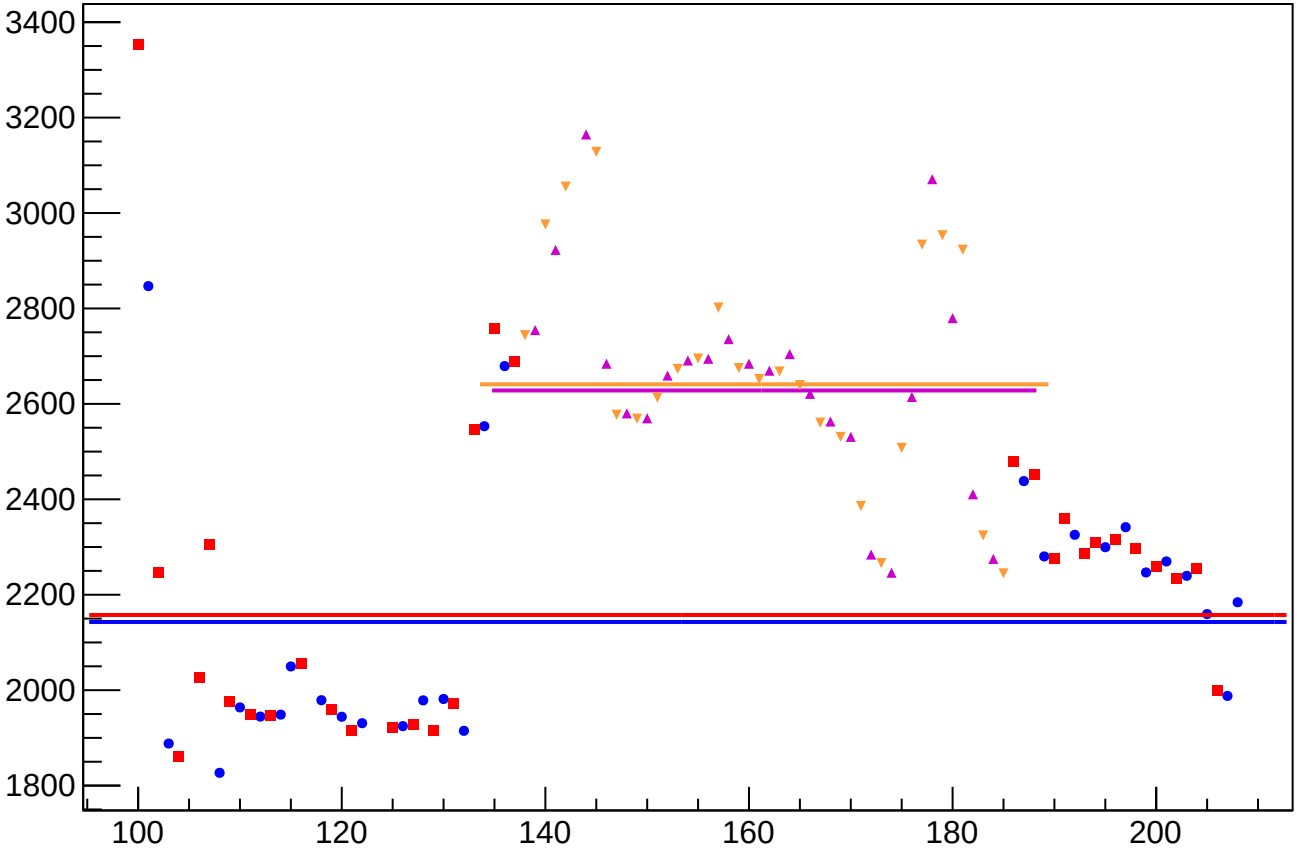
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1295.297+/-406.940 χ^2/NDF: 64.3/50

All: -690.127+/-287.520 χ^2/NDF: 149.1/103

- sign -2669.221+/-406.291 χ^2/NDF: 37.3/52

eigen_dit_asym_atl2_rms vs Slug



Right In: 2142.936+/-0.383 χ^2/NDF: 360453.0/26

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2157.585+/-0.382 χ^2/NDF: 333059.6/29

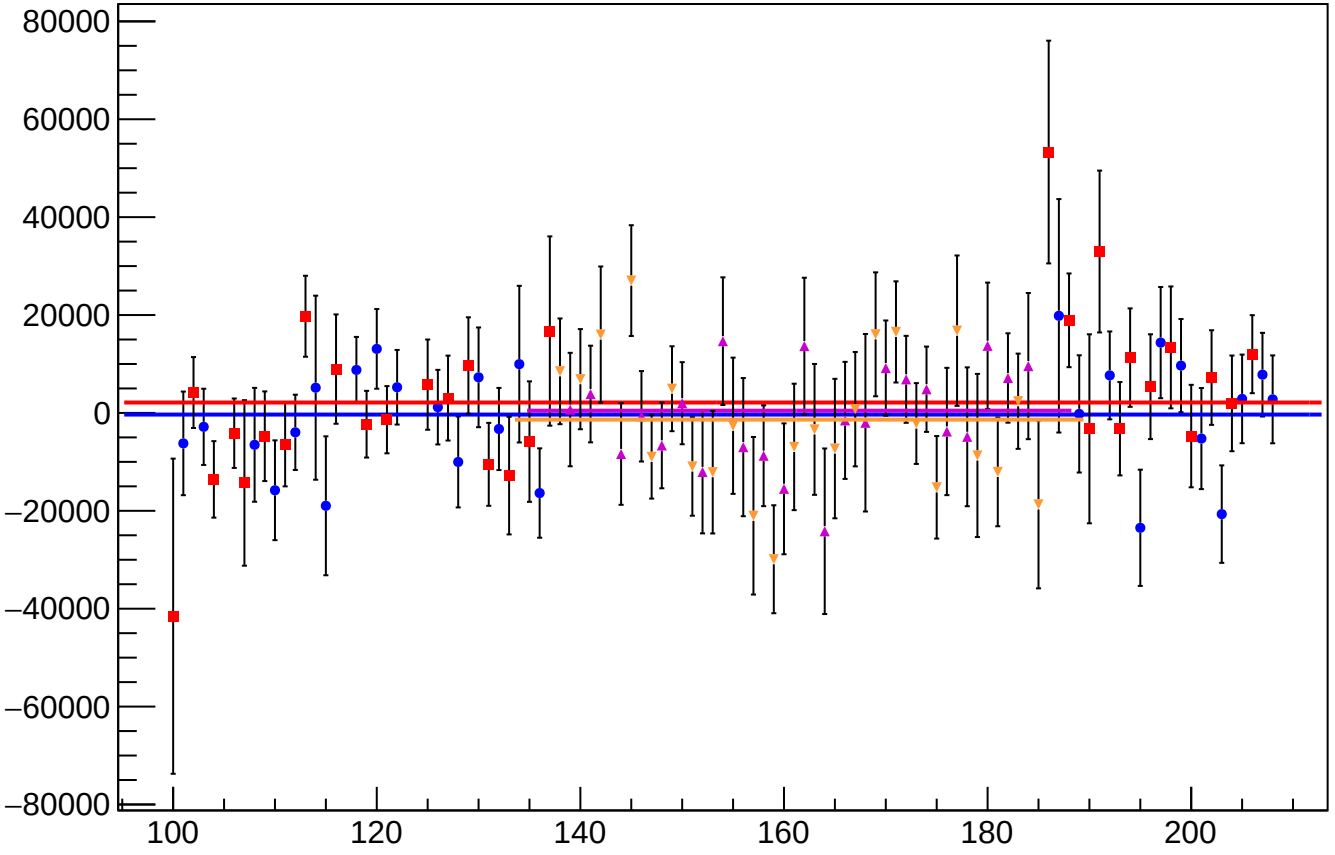
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2360.485+/-0.288 χ^2/NDF: 1350868.8/50

All: 2361.256+/-0.203 χ^2/NDF: 2581110.1/10

- sign 2362.023+/-0.287 χ^2/NDF: 1230226.9/52

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -335.851+/-1842.047 χ^2/NDF: 29.1/26

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 2127.950+/-1774.937 χ^2/NDF: 36.4/29

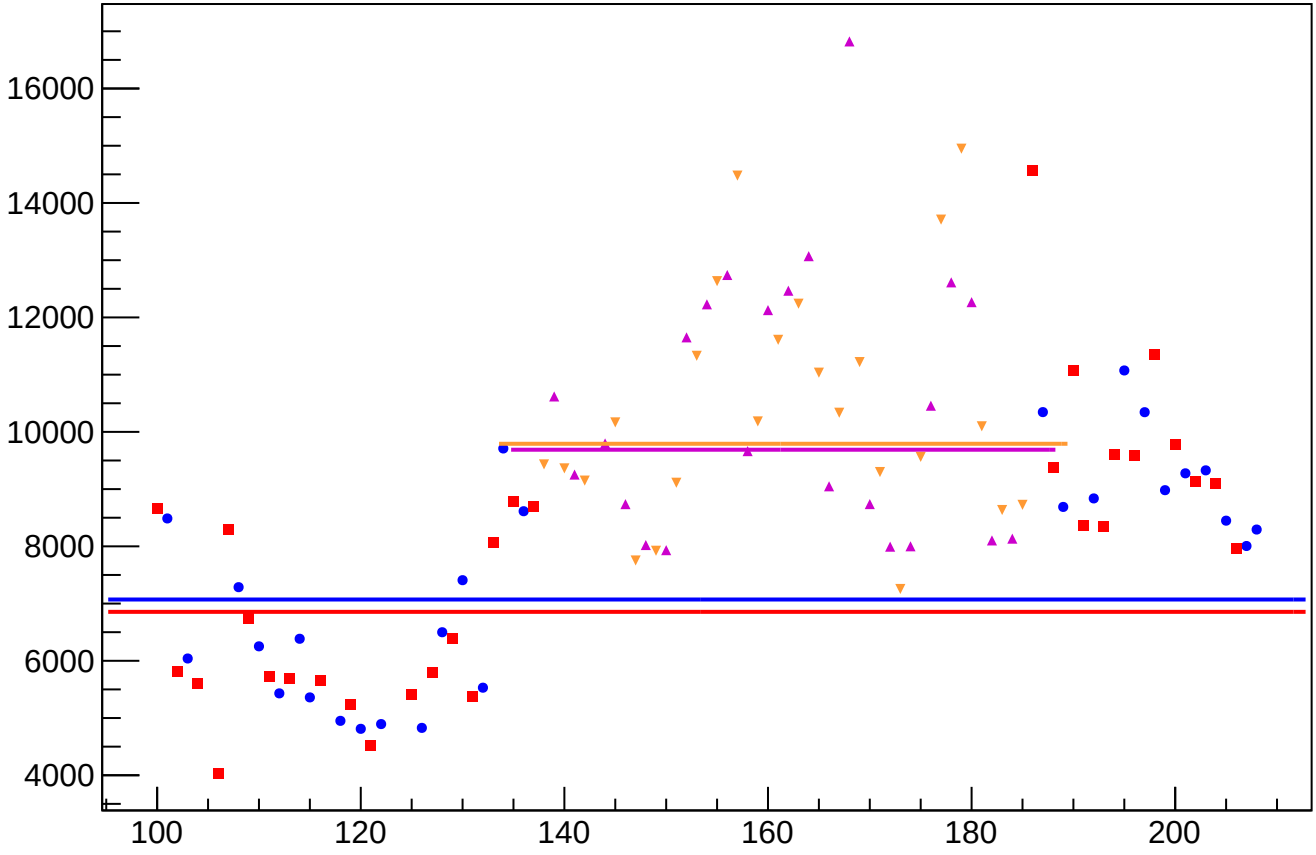
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -733.172+/-1444.129 χ^2/NDF: 60.4/50

All: 417.320+/-1008.304 χ^2/NDF: 111.4/103

- sign 1511.673+/-1408.454 χ^2/NDF: 49.8/52

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 7071.027+/-1.303 χ^2/NDF: 2010434.3/26

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 6855.425+/-1.255 χ^2/NDF: 2583834.3/29

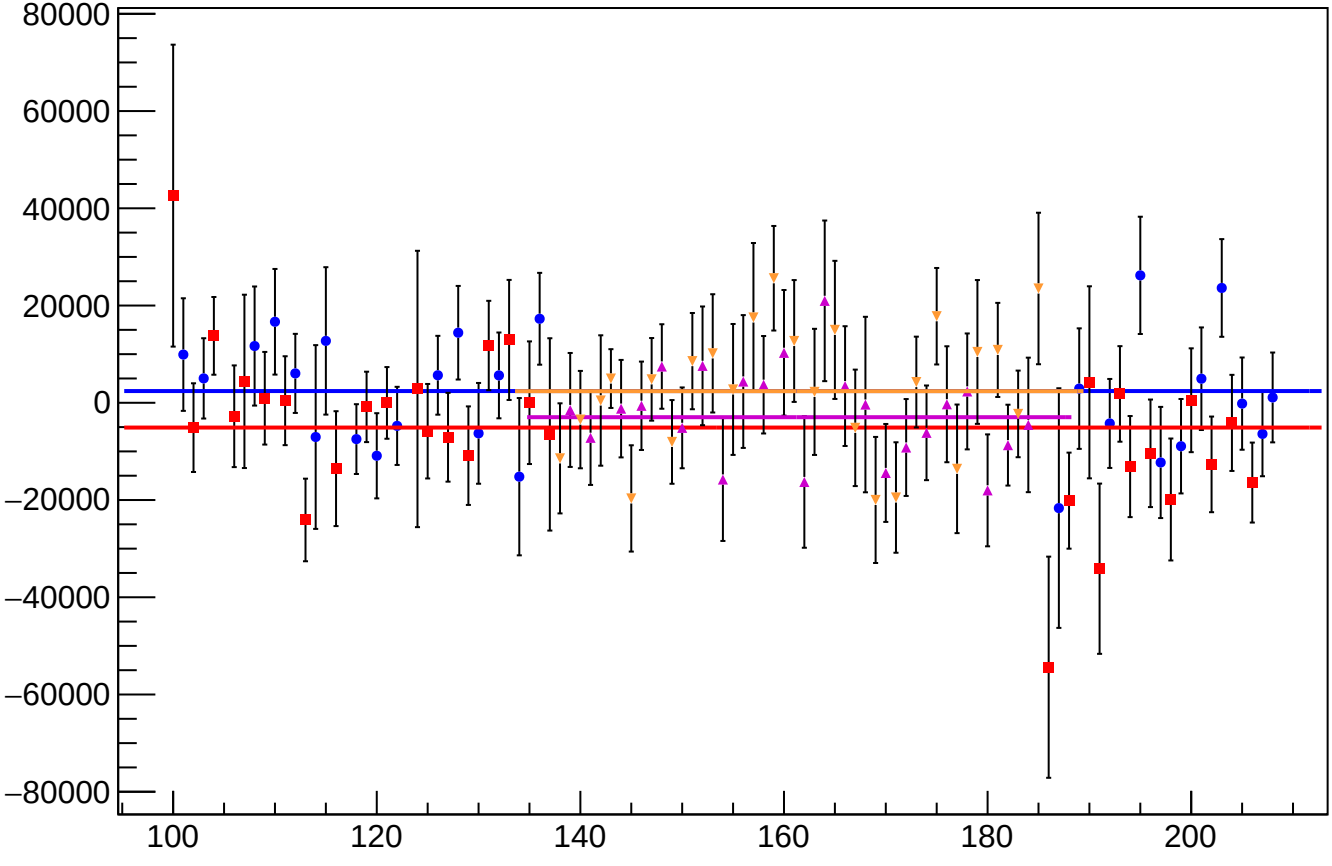
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 8119.718+/-1.021 χ^2/NDF: 4911551.5/50

All: 8009.396+/-0.713 χ^2/NDF: 10782867.8/1

- sign 7904.458+/-0.996 χ^2/NDF: 5848542.2/52

asym_atl2_mean vs Slug



Right In: 2411.679+/-1921.667 χ^2/NDF: 29.0/26

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -5095.723+/-1891.326 χ^2/NDF: 37.0/30

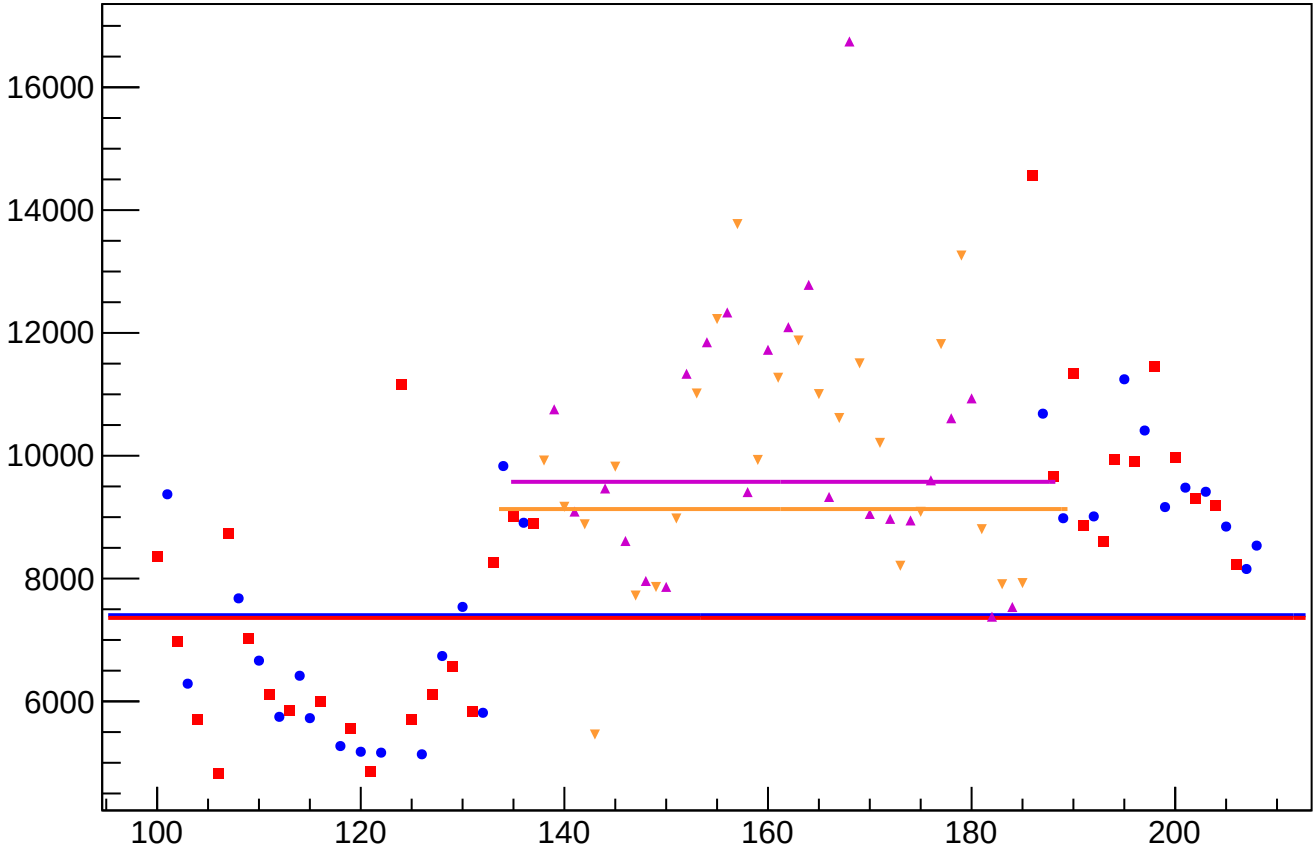
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2401.026+/-1428.766 χ^2/NDF: 58.7/51

All: -851.353+/-1019.575 χ^2/NDF: 119.7/105

- sign -4226.107+/-1455.398 χ^2/NDF: 50.5/53

asym_atl2_rms vs Slug



Right In: 7403.305+/-1.359 χ^2/NDF: 1790130.6/26

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7359.320+/-1.337 χ^2/NDF: 2127962.8/30

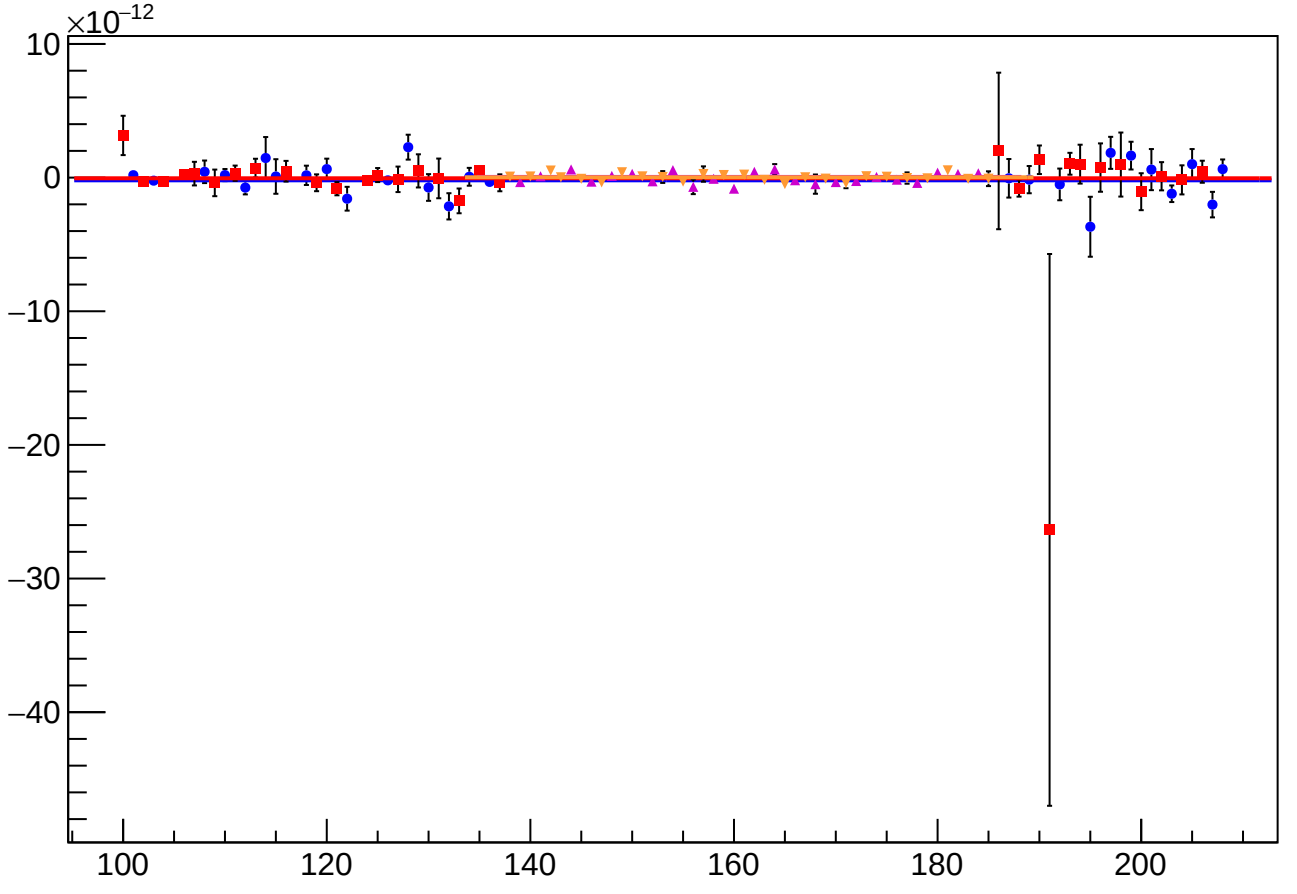
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 8176.253+/-1.010 χ^2/NDF: 4325346.7/51

All: 8218.866+/-0.721 χ^2/NDF: 8730446.5/10

- sign 8263.083+/-1.029 χ^2/NDF: 4401474.8/53

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 38.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

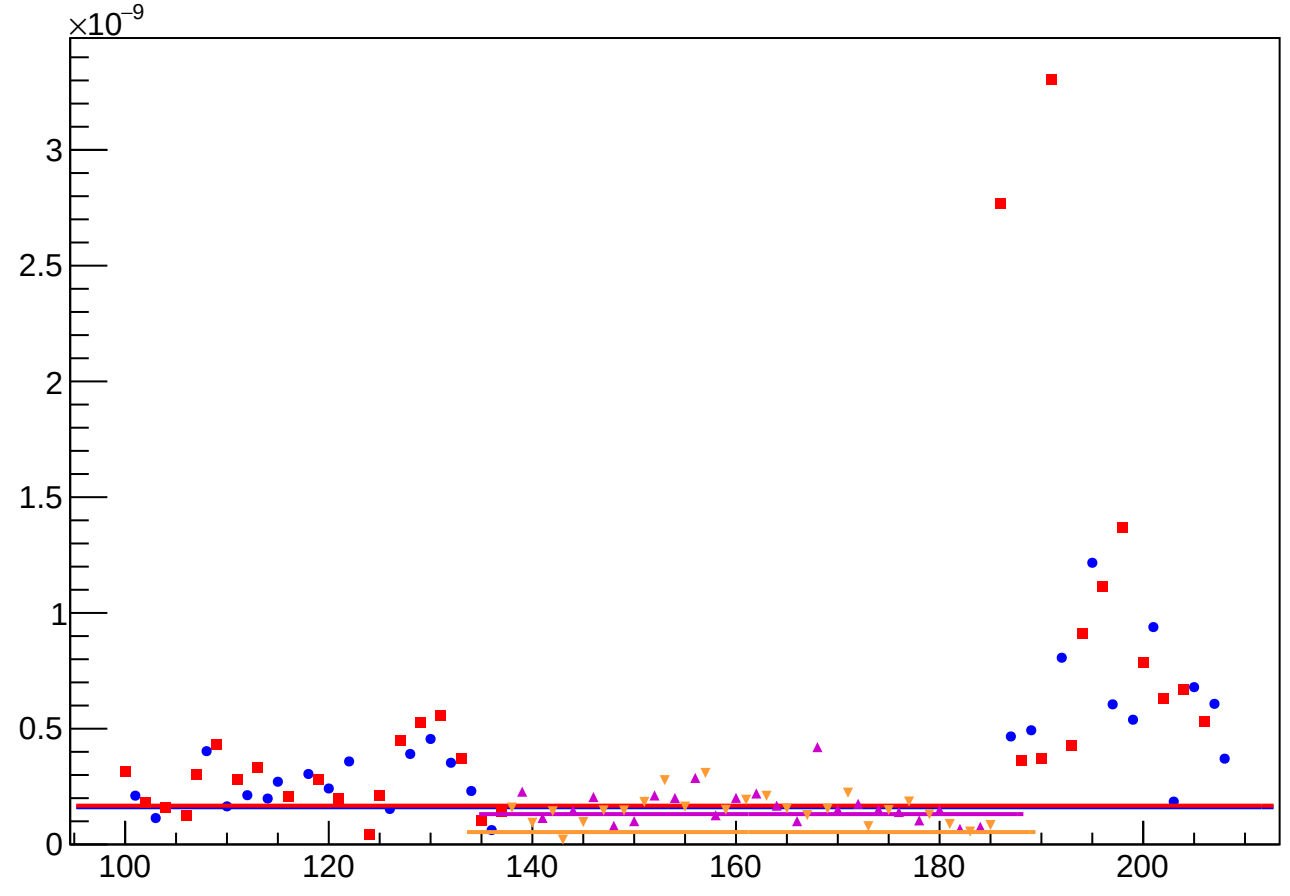
Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/30

Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.0/51

All: 0.000+/-0.000 χ^2/NDF: 129.1/105

- sign 0.000+/-0.000 χ^2/NDF: 66.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 5364148.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6626185.3/30

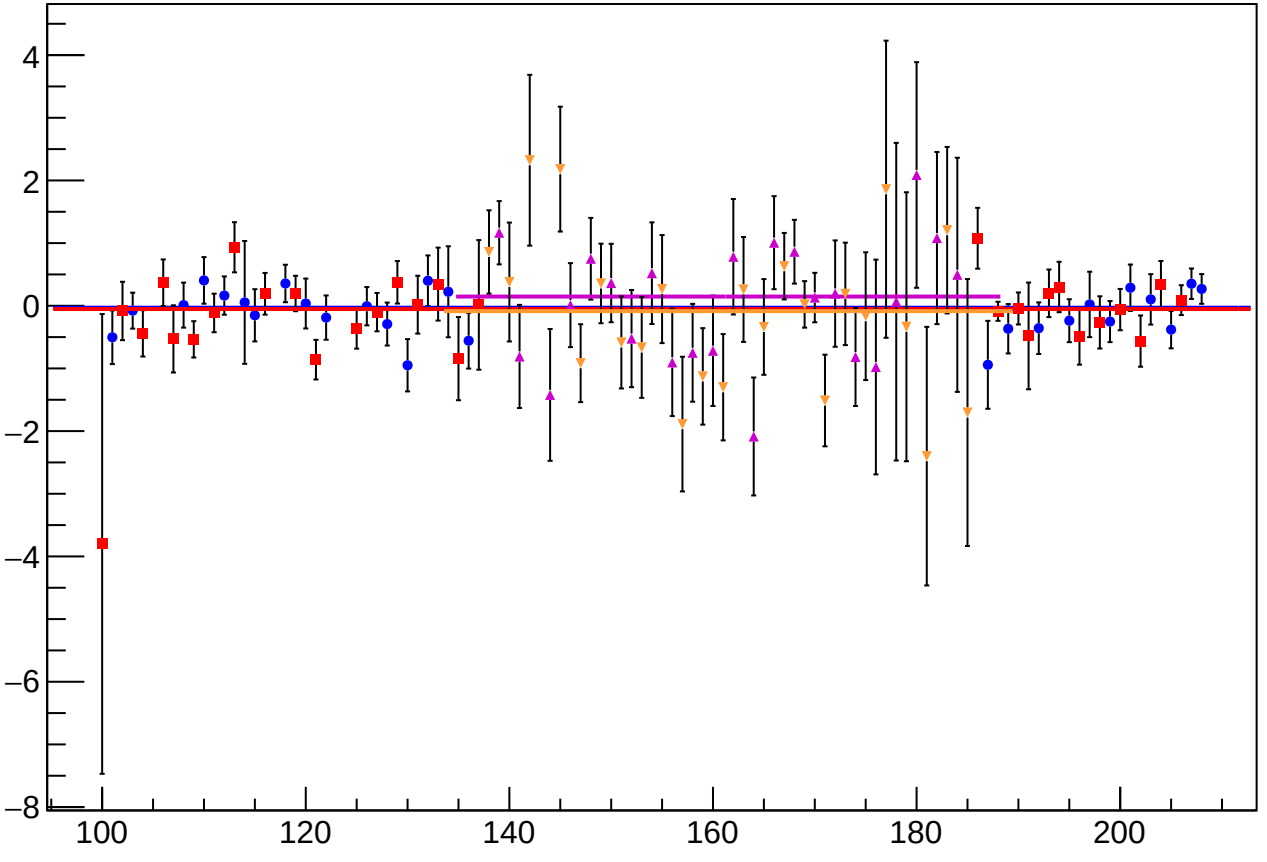
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15122947.5/51

All: 0.000+/-0.000 χ^2/NDF: 27827320.7/105

- sign 0.000+/-0.000 χ^2/NDF: 8763902.6/53

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.031+/-0.069 χ^2/NDF: 23.3/26

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.052+/-0.063 χ^2/NDF: 36.6/29

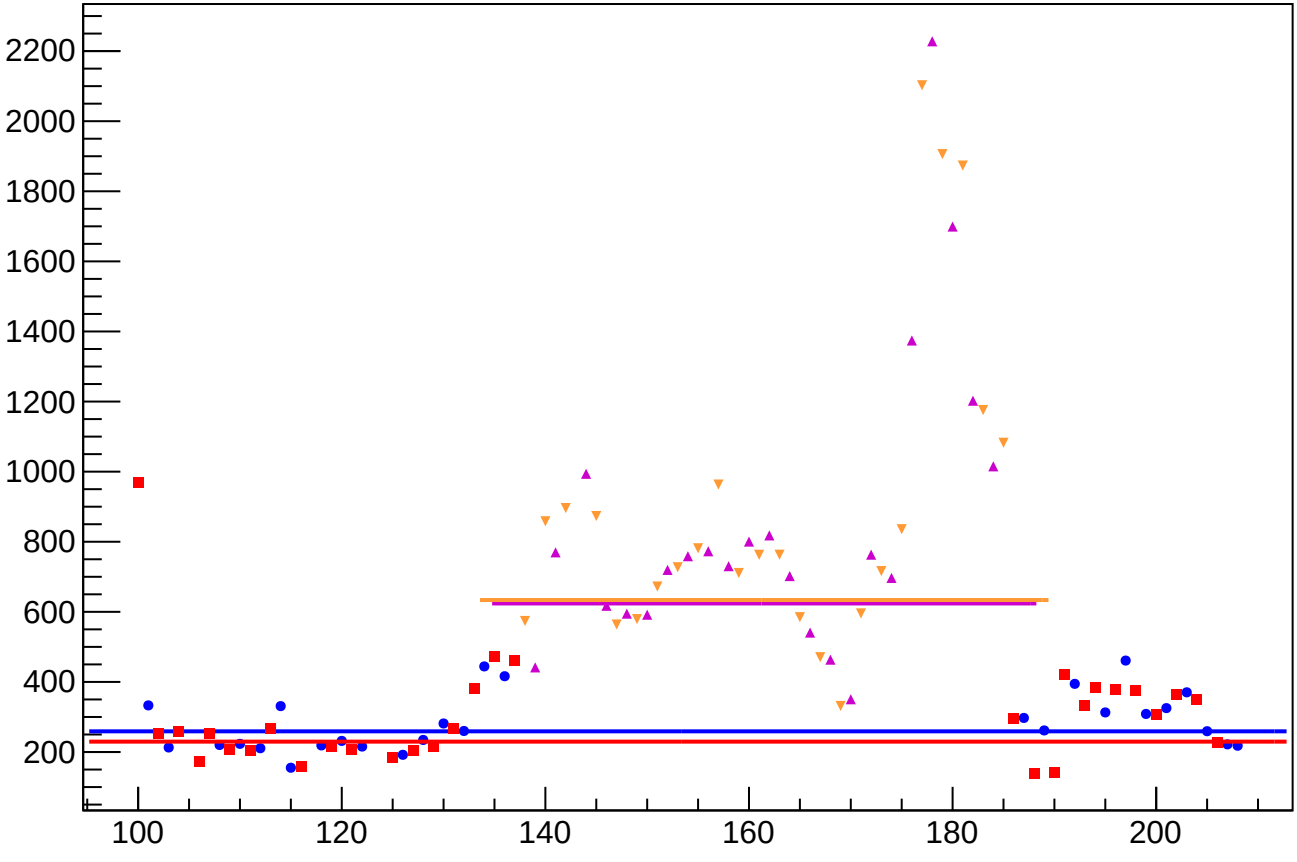
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.040+/-0.064 χ^2/NDF: 53.6/50

All: -0.032+/-0.043 χ^2/NDF: 118.1/103

- sign -0.025+/-0.059 χ^2/NDF: 64.4/52

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 259.049+/-0.049 χ^2/NDF: 1847622.8/26

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 229.645+/-0.045 χ^2/NDF: 3409348.7/29

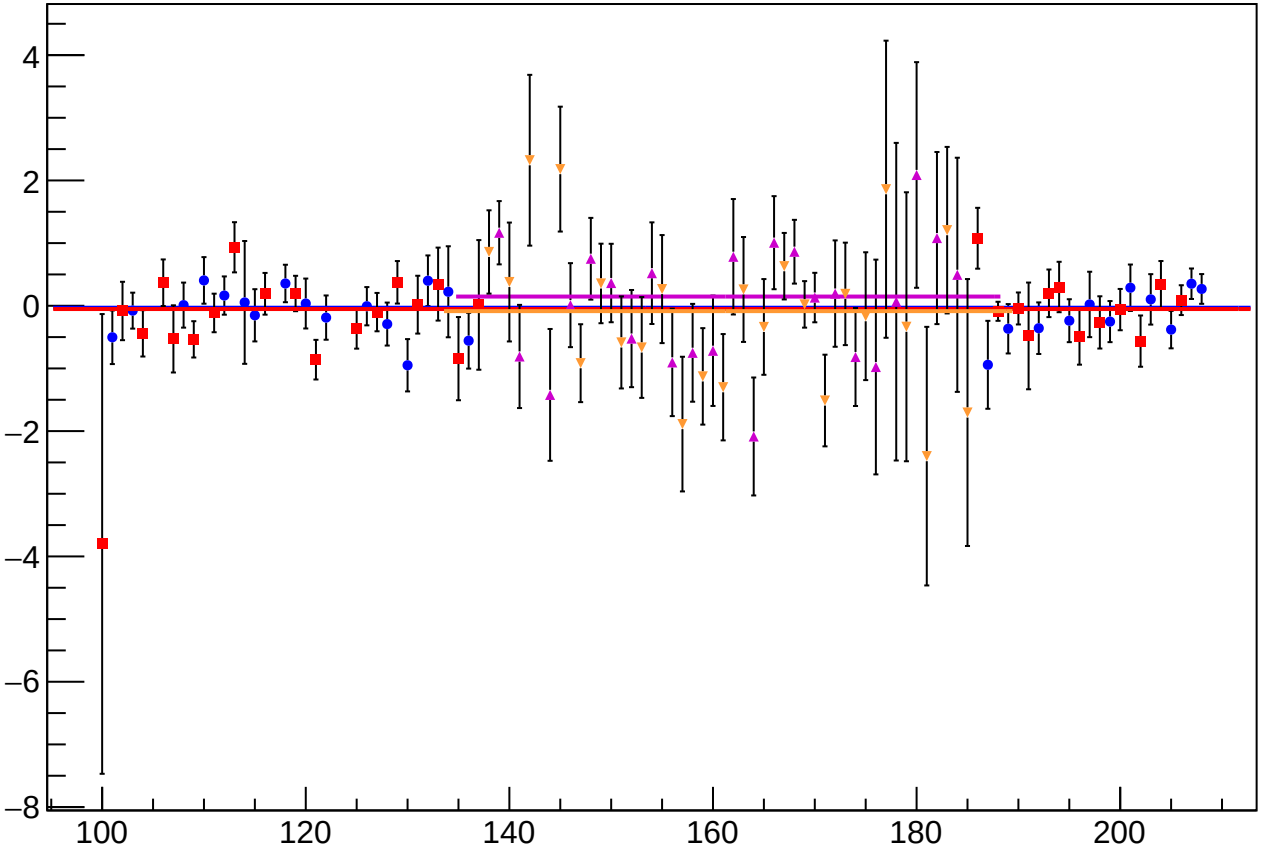
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 317.196+/-0.045 χ^2/NDF: 15940735.1/50

All: 299.087+/-0.030 χ^2/NDF: 34908408.0/10

- sign 283.719+/-0.041 χ^2/NDF: 18667928.6/52

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.031+/-0.069 χ^2/NDF: 23.3/26

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.052+/-0.063 χ^2/NDF: 36.6/29

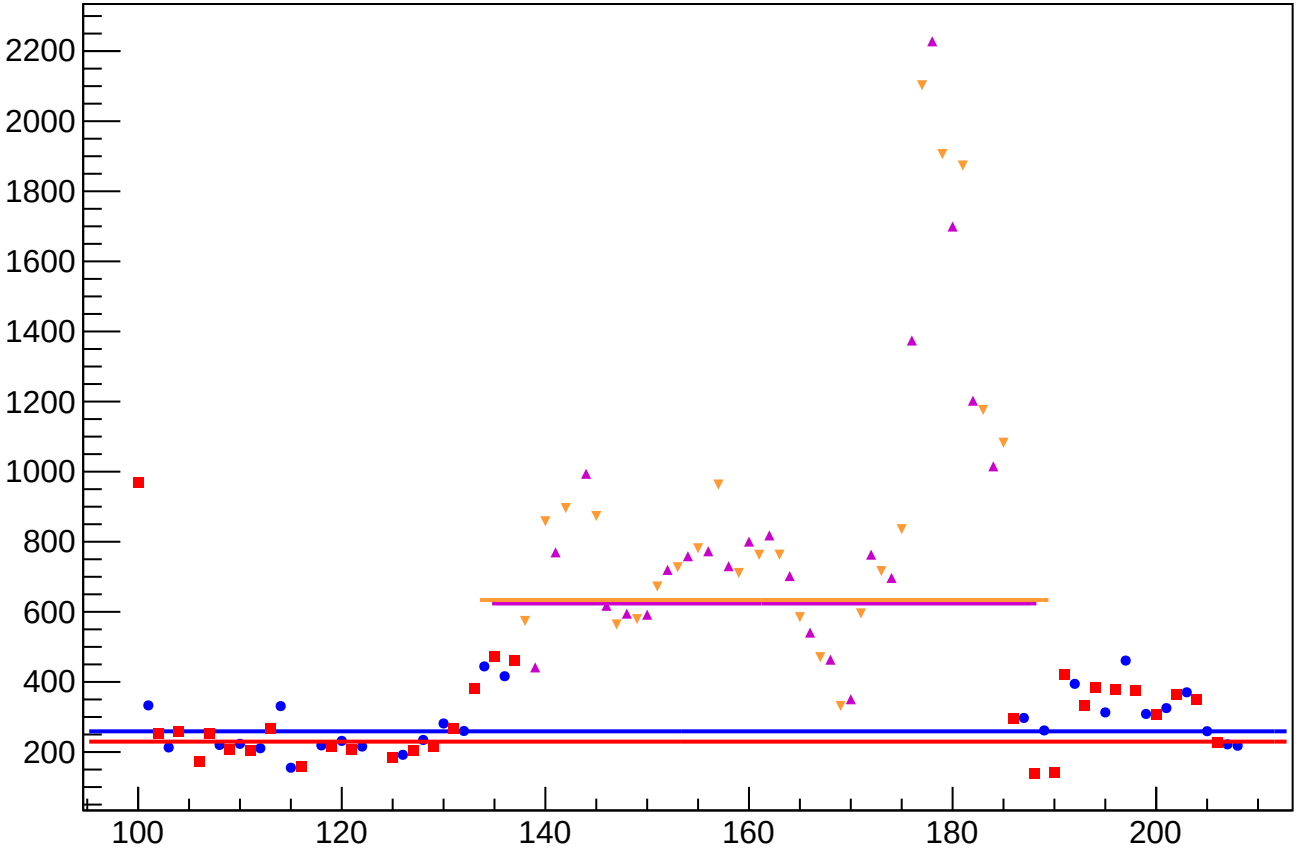
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.040+/-0.064 χ^2/NDF: 53.6/50

All: -0.032+/-0.043 χ^2/NDF: 118.1/103

- sign -0.025+/-0.059 χ^2/NDF: 64.4/52

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 259.049+/-0.049 χ^2/NDF: 1847622.8/26

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 229.645+/-0.045 χ^2/NDF: 3409348.7/29

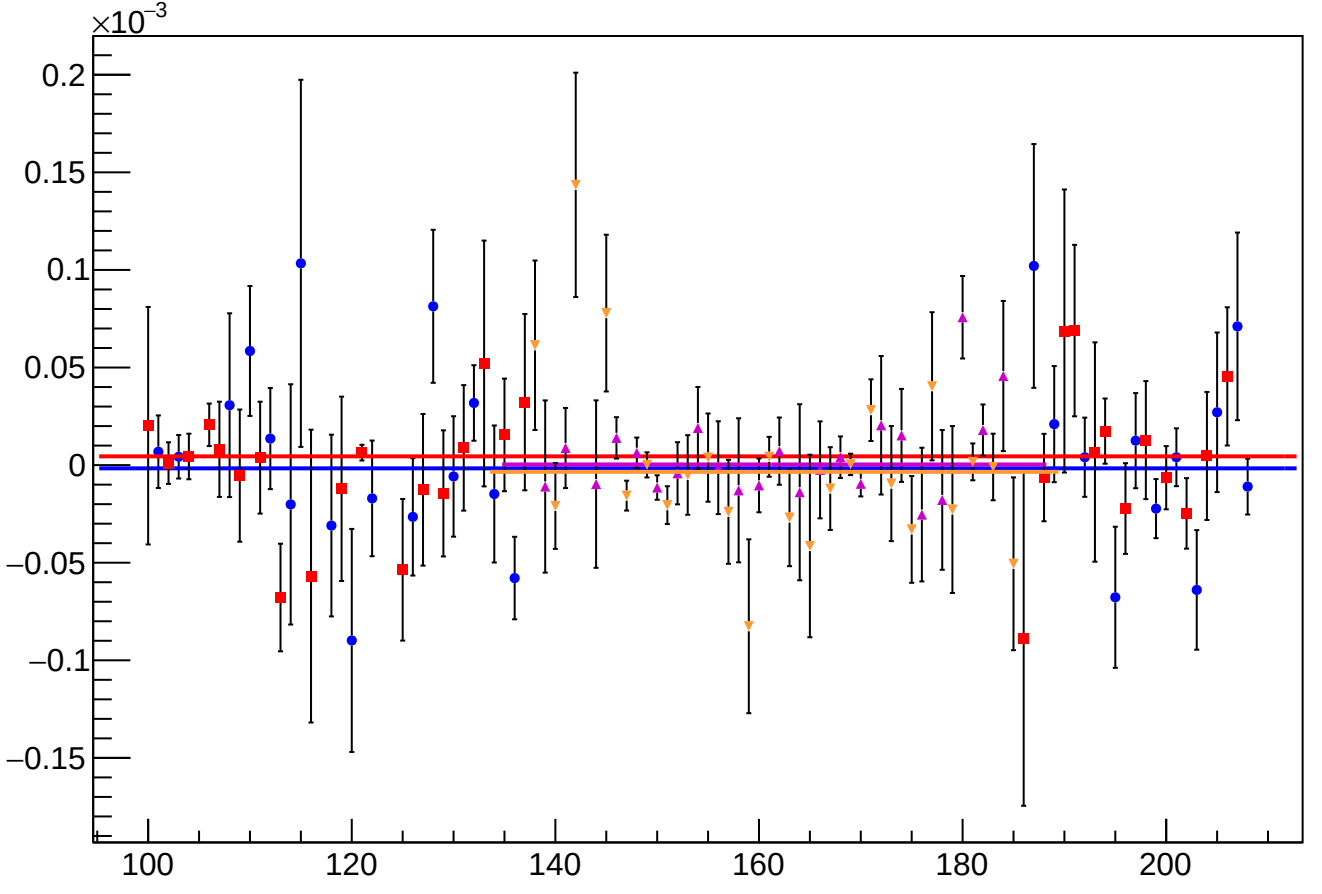
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 317.196+/-0.045 χ^2/NDF: 15940735.1/50

All: 299.087+/-0.030 χ^2/NDF: 34908408.0/10

- sign 283.719+/-0.041 χ^2/NDF: 18667928.6/52

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

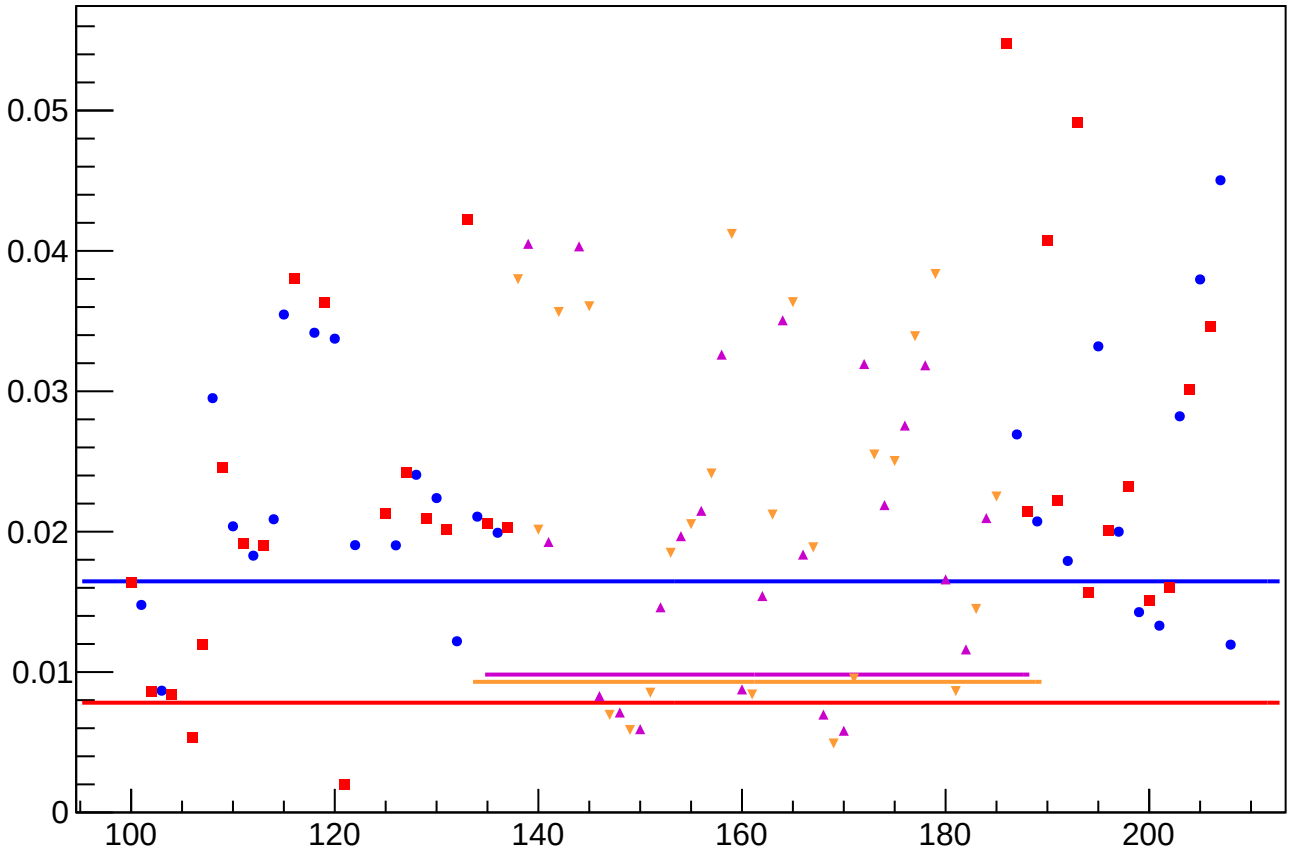
Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/29

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.2/50

All: 0.000+/-0.000 χ^2/NDF: 132.4/103

- sign 0.000+/-0.000 χ^2/NDF: 54.3/52



Right In: 0.016+/-0.000 χ^2/NDF: 4577326.5/26

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.008+/-0.000 χ^2/NDF: 16427957.1/29

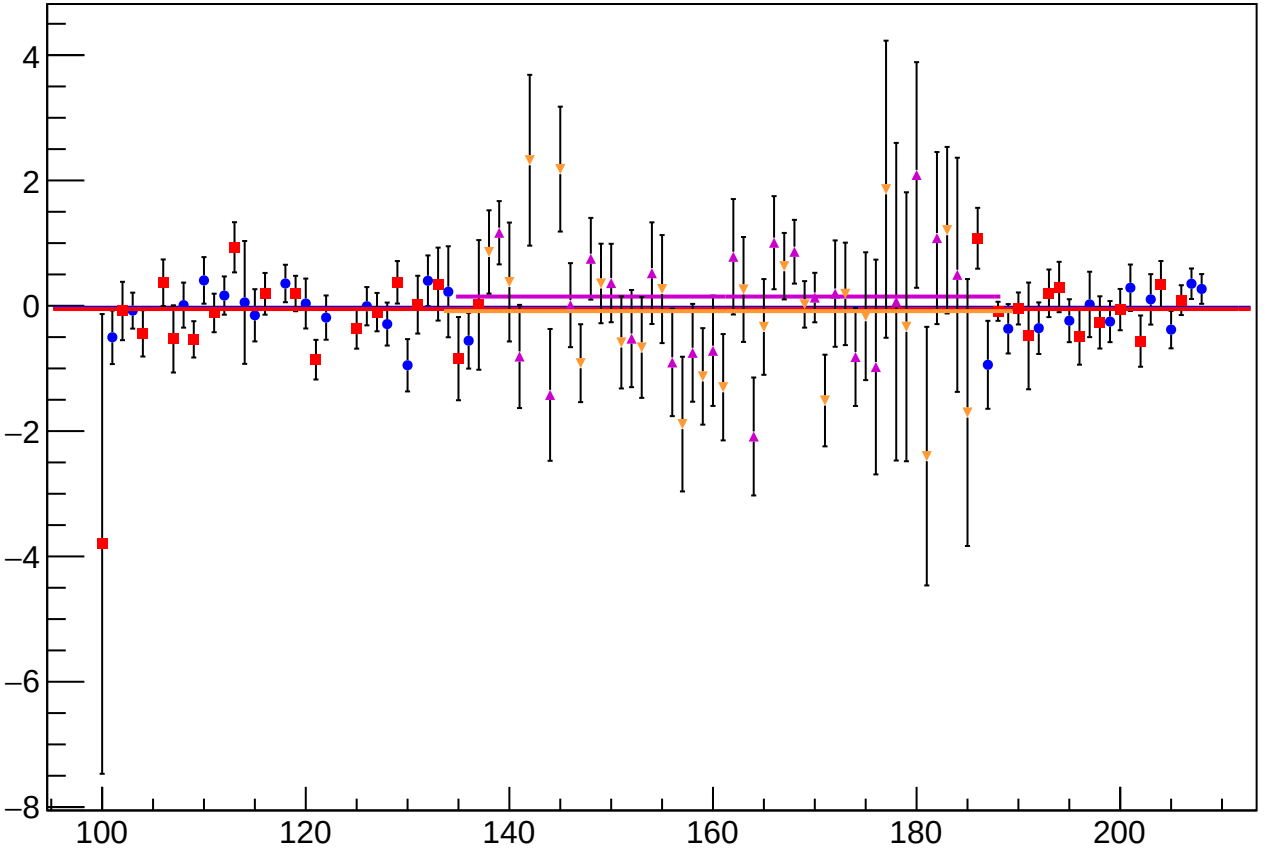
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 20339641.8/50

All: 0.010+/-0.000 χ^2/NDF: 48663669.9/103

- sign 0.009+/-0.000 χ^2/NDF: 27207298.5/52

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.031+/-0.069 χ^2/NDF: 23.3/26

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.052+/-0.063 χ^2/NDF: 36.6/29

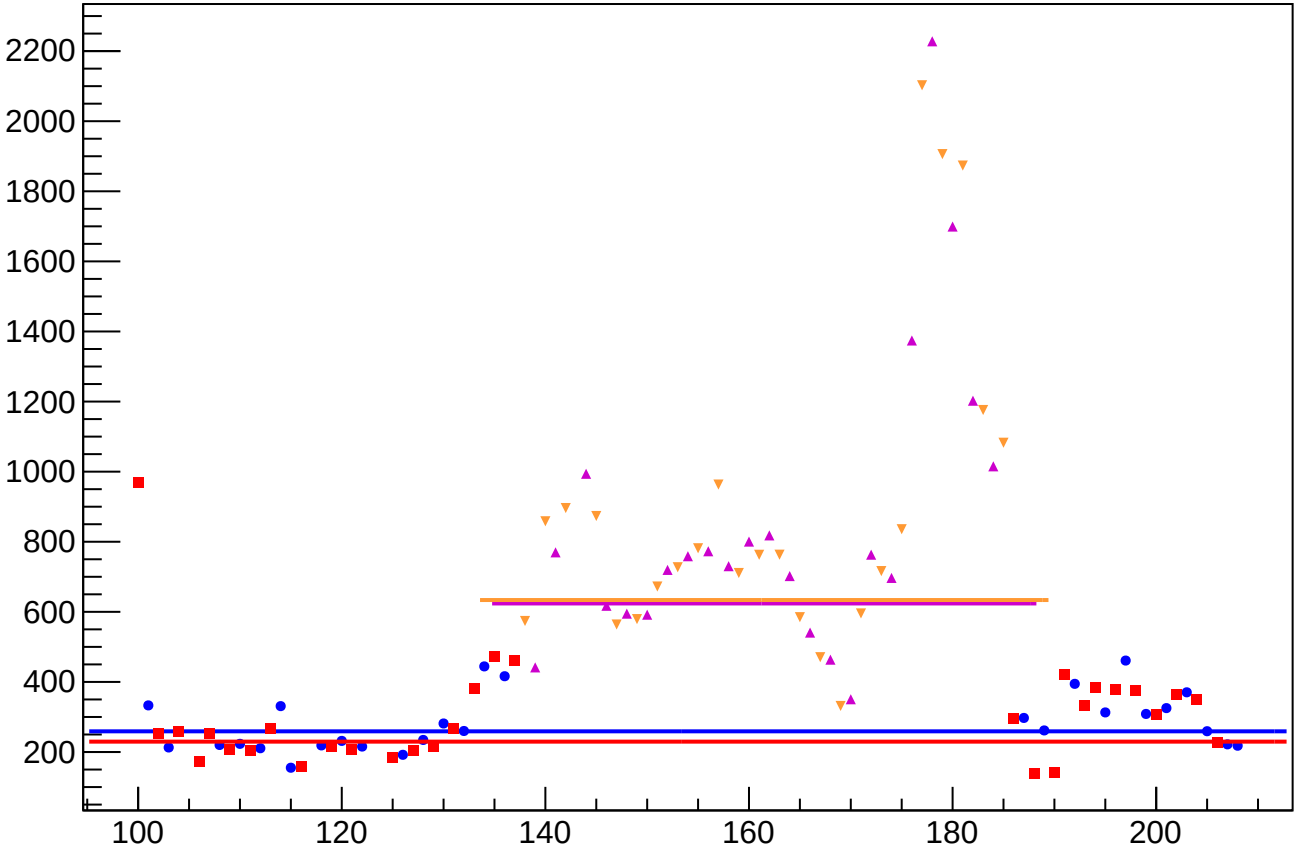
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.040+/-0.064 χ^2/NDF: 53.6/50

All: -0.032+/-0.043 χ^2/NDF: 118.1/103

- sign -0.025+/-0.059 χ^2/NDF: 64.4/52

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 259.051+/-0.049 χ^2/NDF: 1847596.5/26

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

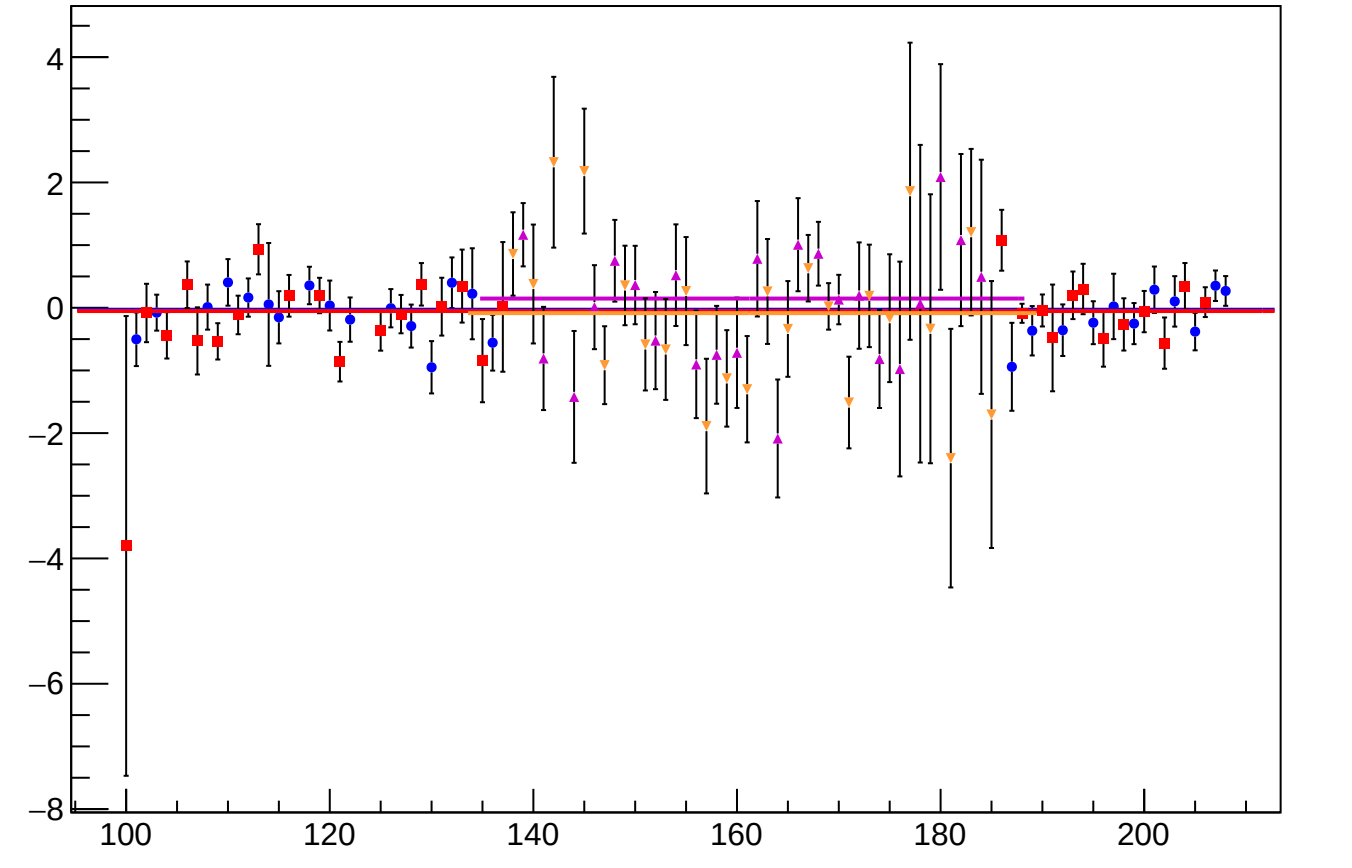
Right Out: 229.643+/-0.045 χ^2/NDF: 3409511.7/29

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 317.197+/-0.045 χ^2/NDF: 15940785.5/50

All: 299.087+/-0.030 χ^2/NDF: 34908929.5/10

- sign 283.717+/-0.041 χ^2/NDF: 18668341.6/52



Right In: -0.031+/-0.069 χ^2/NDF: 23.3/26

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

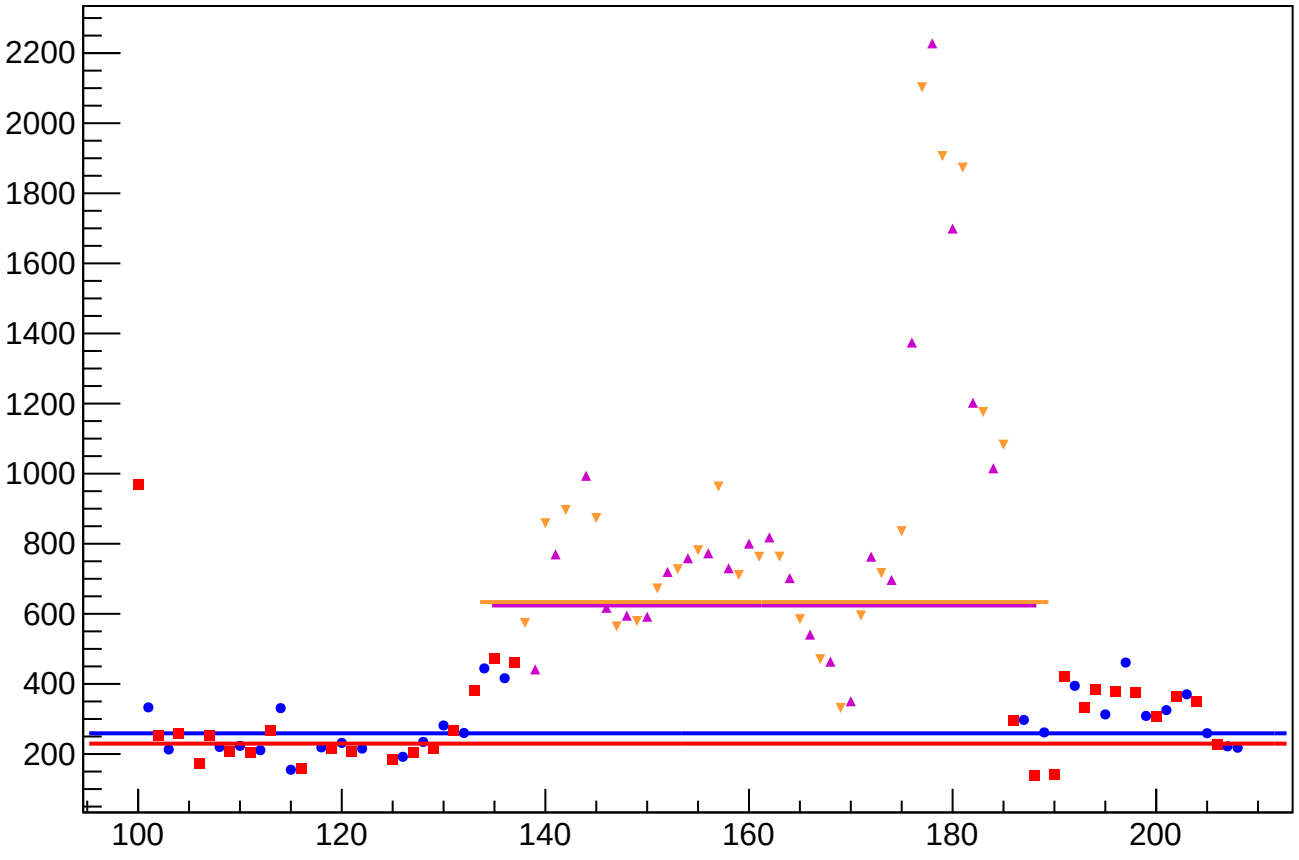
Right Out: -0.052+/-0.063 χ^2/NDF: 36.6/29

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.040+/-0.064 χ^2/NDF: 53.6/50

All: -0.032+/-0.043 χ^2/NDF: 118.1/103

- sign -0.025+/-0.059 χ^2/NDF: 64.4/52



Right In: 259.051+/-0.049 χ^2/NDF: 1847596.5/26

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 229.643+/-0.045 χ^2/NDF: 3409511.7/29

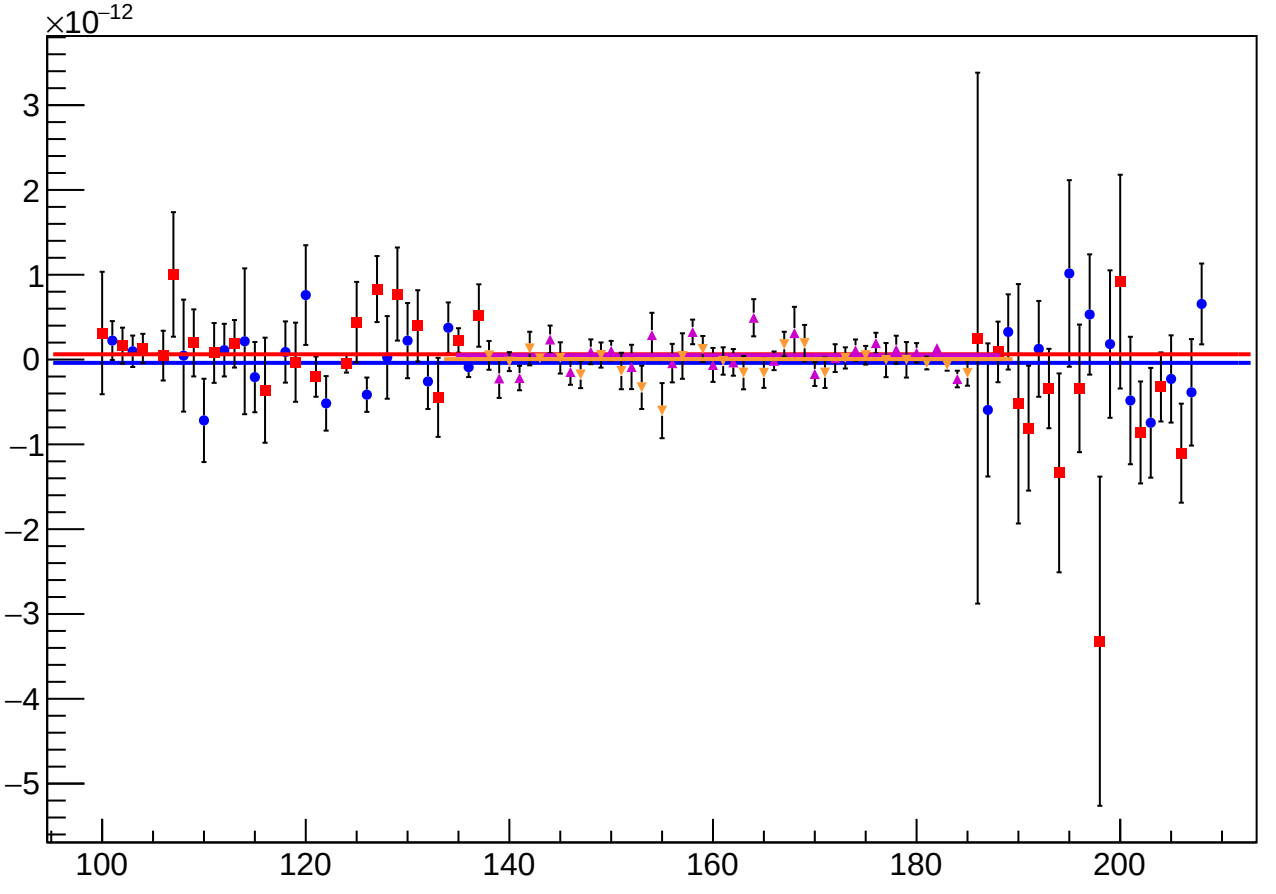
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 317.197+/-0.045 χ^2/NDF: 15940785.5/50

All: 299.087+/-0.030 χ^2/NDF: 34908929.5/10

- sign 283.717+/-0.041 χ^2/NDF: 18668341.6/52

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

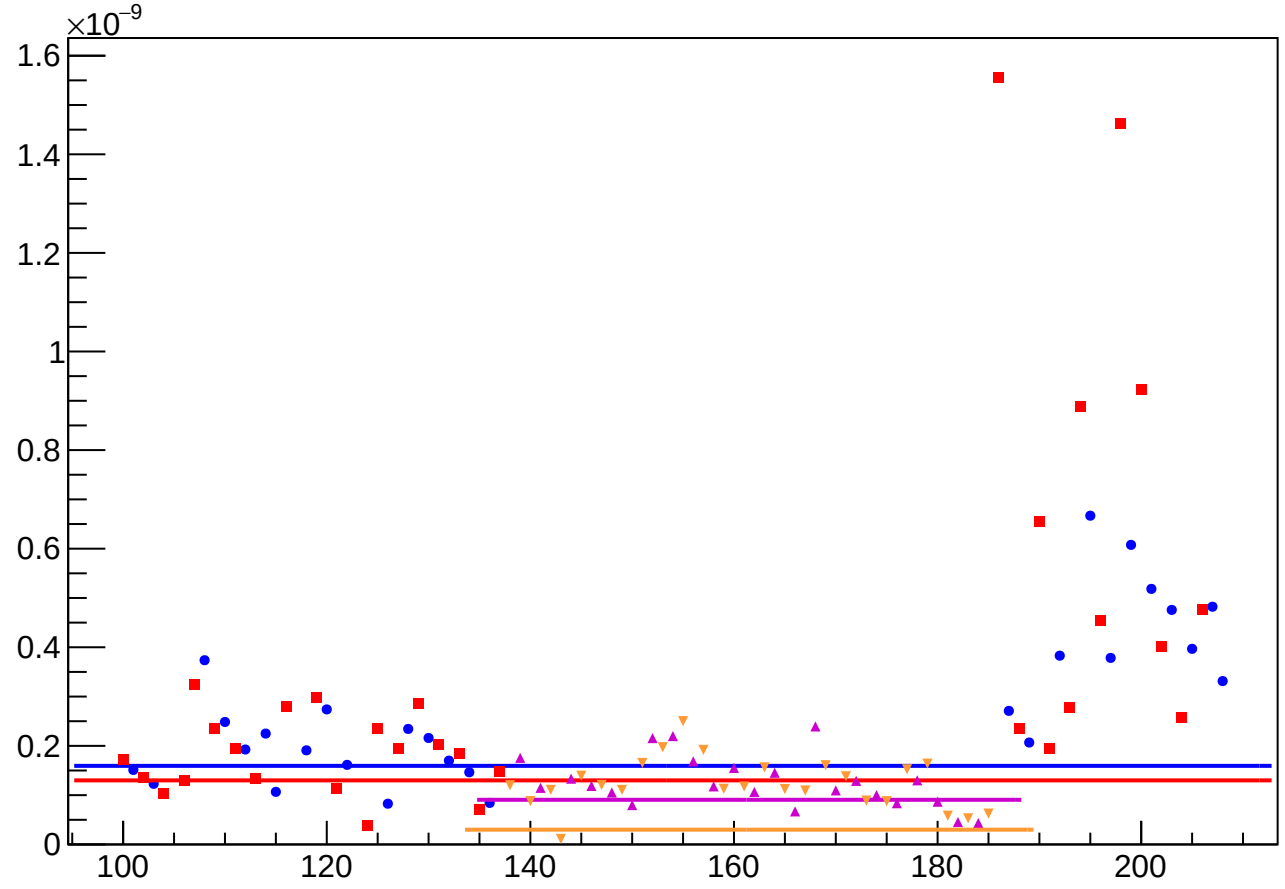
Right Out: 0.000+/-0.000 χ^2/NDF: 30.8/30

Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.1/51

All: 0.000+/-0.000 χ^2/NDF: 105.4/105

- sign 0.000+/-0.000 χ^2/NDF: 64.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 5384374.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8292203.0/30

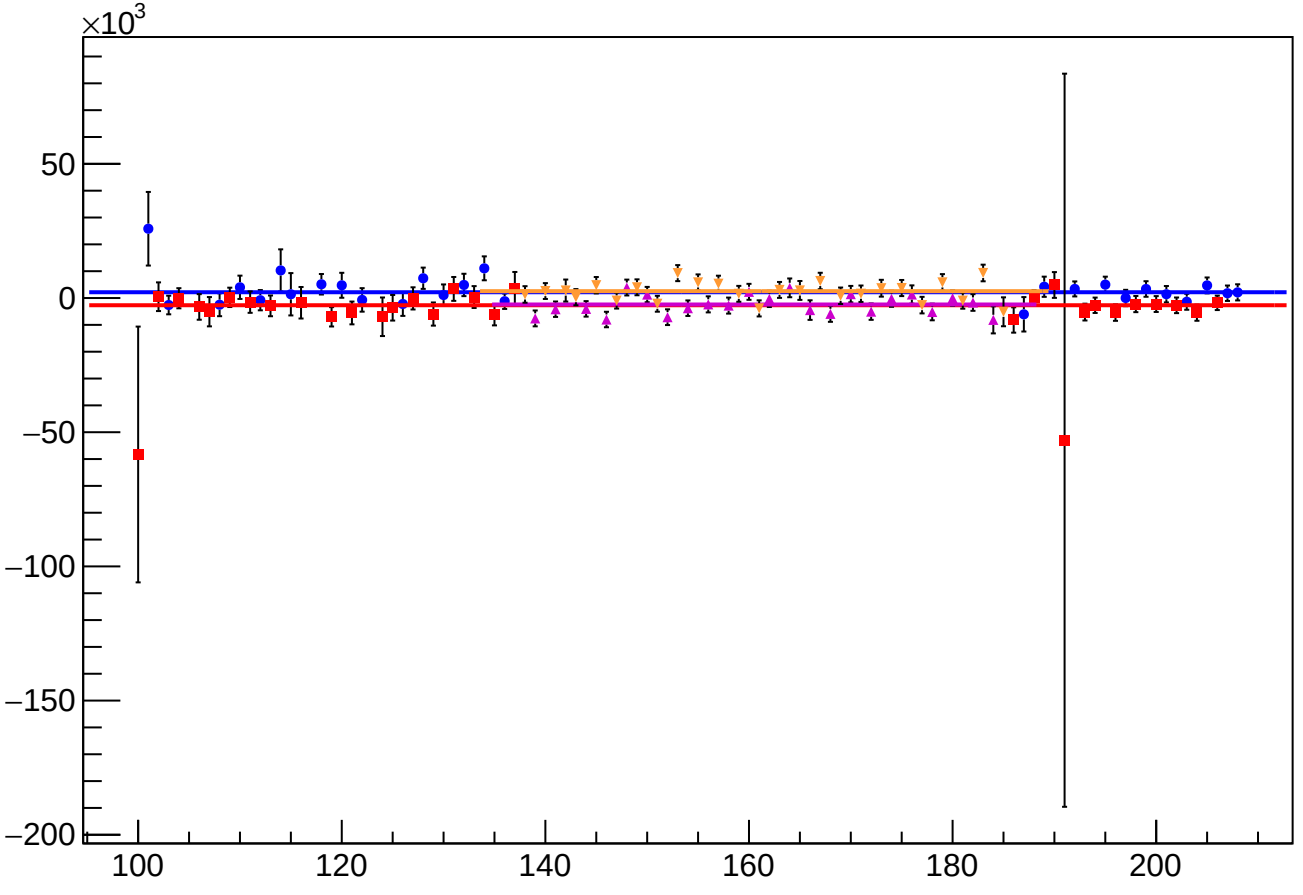
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 30610724.5/51

All: 0.000+/-0.000 χ^2/NDF: 54207263.6/105

- sign 0.000+/-0.000 χ^2/NDF: 13796862.8/53

reg_asym_atr1_mean vs Slug



Right In: 2159.465+/-706.665 χ^2/NDF: 23.8/26

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2685.249+/-697.119 χ^2/NDF: 18.1/30

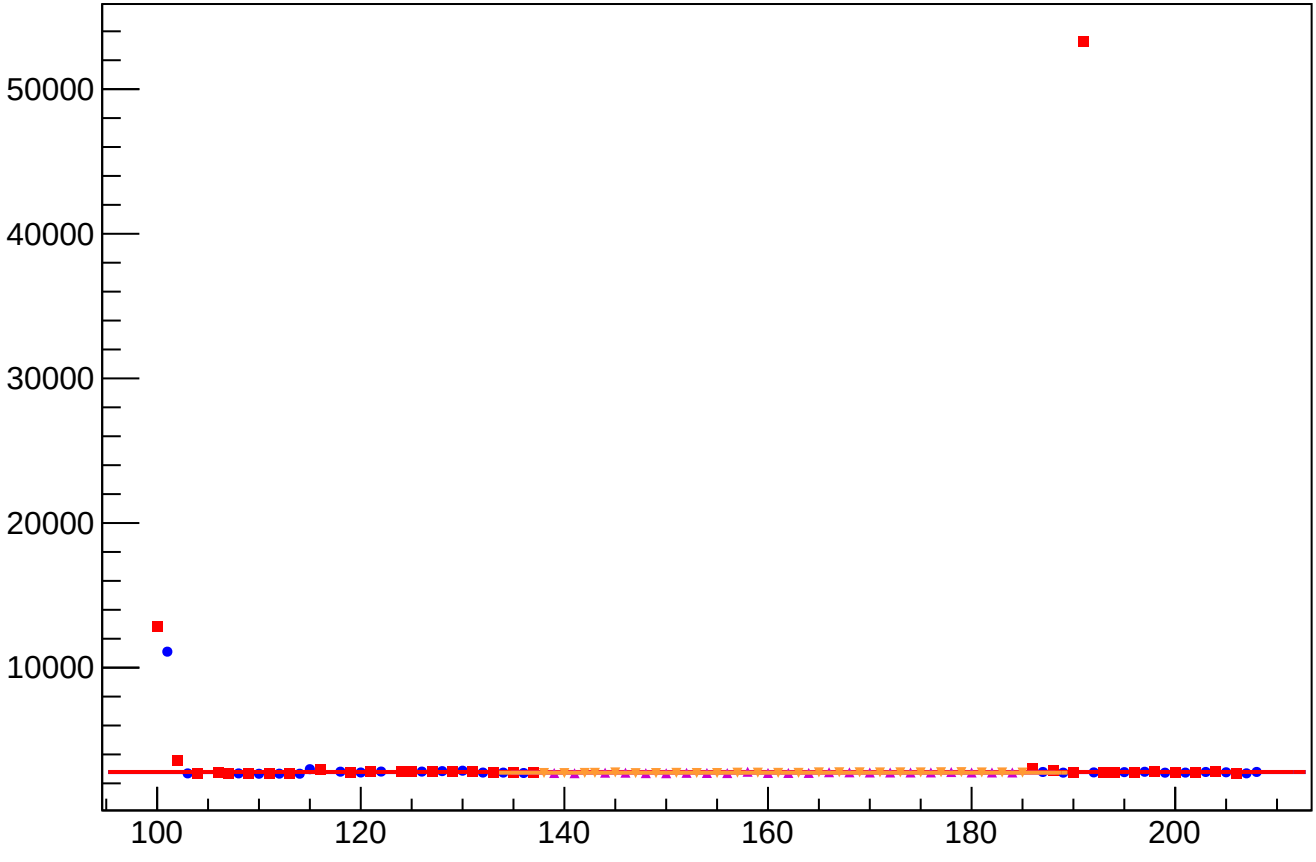
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2383.418+/-466.827 χ^2/NDF: 55.5/51

All: -52.088+/-331.681 χ^2/NDF: 160.1/105

- sign -2534.917+/-471.341 χ^2/NDF: 49.6/53

reg_asym_atr1_rms vs Slug



Right In: 2779.656+/-0.500 χ^2/NDF: 750457.2/26

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2787.166+/-0.493 χ^2/NDF: 481393.9/30

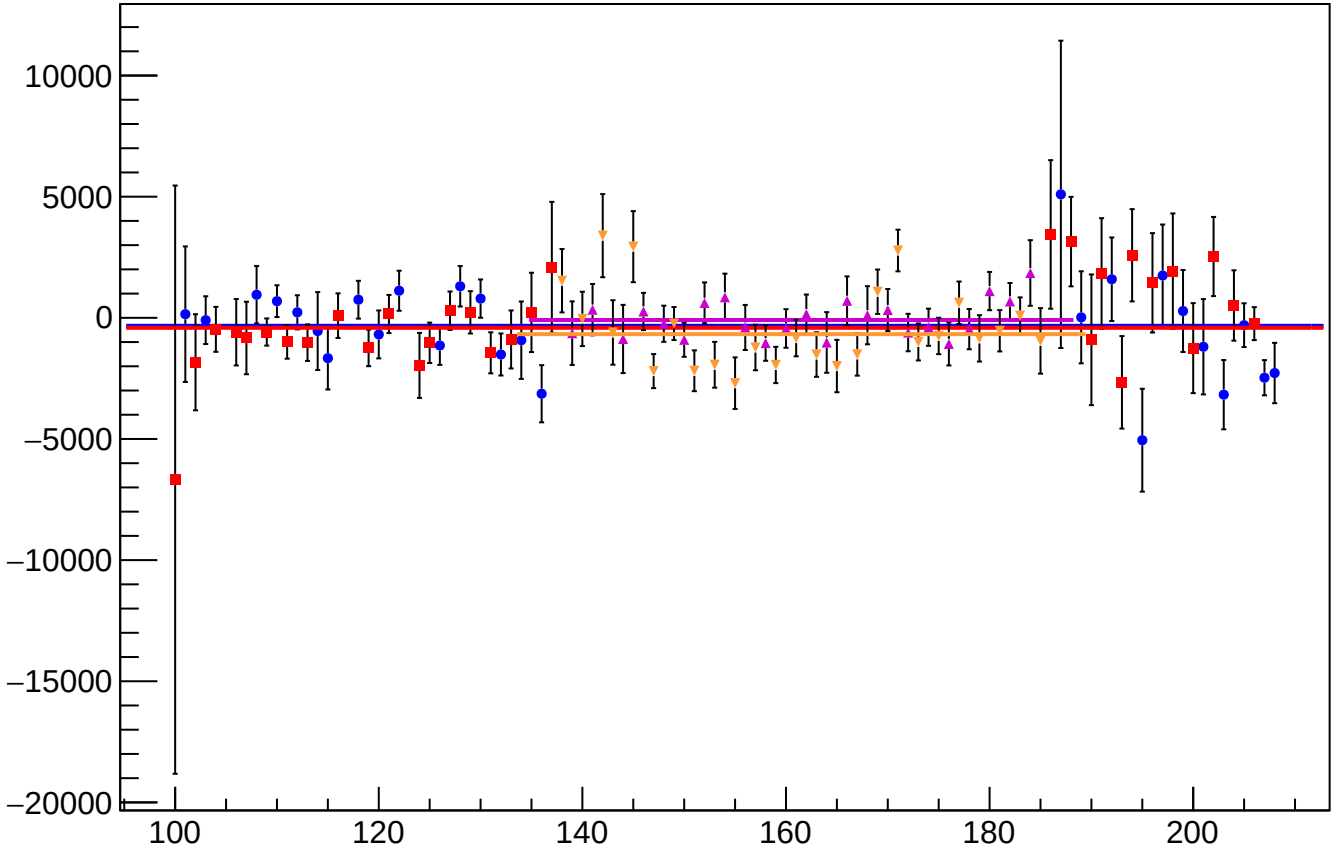
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2755.907+/-0.330 χ^2/NDF: 756782.6/51

All: 2758.671+/-0.235 χ^2/NDF: 1246678.8/10

- sign 2761.487+/-0.333 χ^2/NDF: 489754.8/53

asym_atr1_reg_correction_mean vs Slug



Right In: -329.137+/-202.895 χ^2/NDF: 48.3/26

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -411.405+/-194.502 χ^2/NDF: 26.1/30

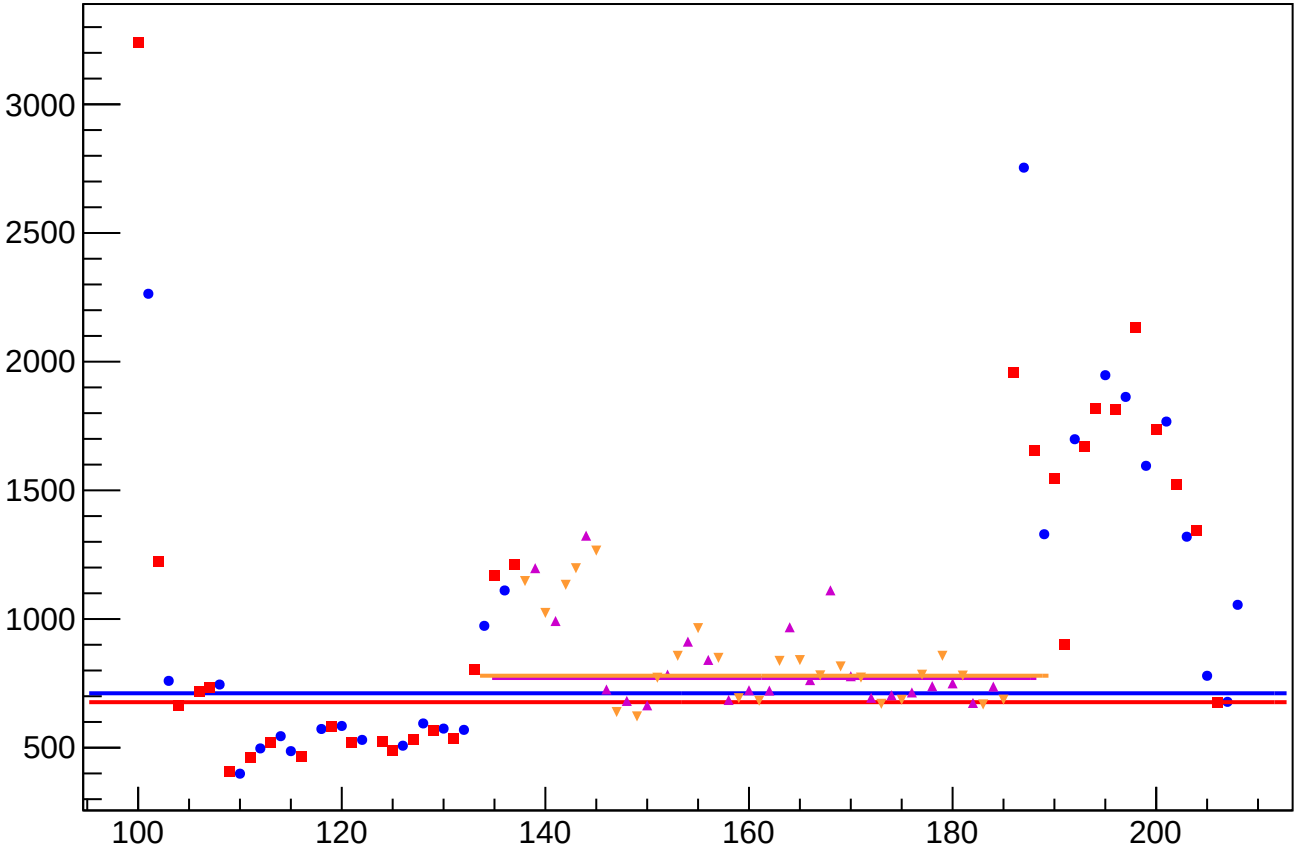
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

\+ sign -520.786+/-135.162 χ^2/NDF: 108.3/51

All: -379.179+/-94.970 χ^2/NDF: 152.8/105

\- sign -241.094+/-133.471 χ^2/NDF: 42.3/53

asym_atr1_reg_correction_rms vs Slug



Right In: 711.476+/-0.143 χ^2/NDF: 6103290.7/26

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 676.922+/-0.138 χ^2/NDF: 7127013.8/30

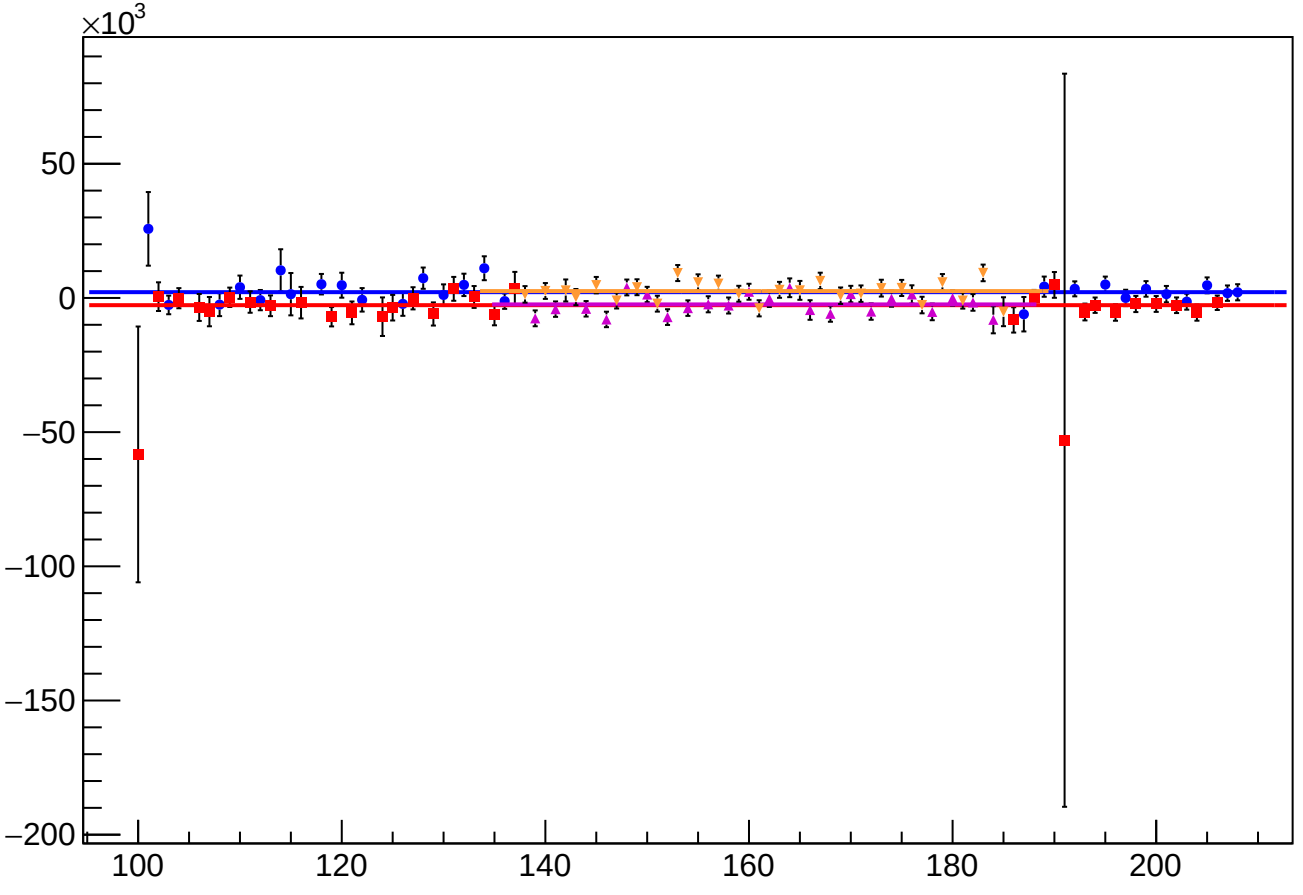
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 749.432+/-0.096 χ^2/NDF: 7472868.6/51

All: 737.867+/-0.067 χ^2/NDF: 15951650.6/10

- sign 726.590+/-0.094 χ^2/NDF: 8449863.3/53

cor_asym_atr1_mean vs Slug



Right In: 2159.165+/-706.665 χ^2/NDF: 23.8/26

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2688.474+/-697.846 χ^2/NDF: 18.1/30

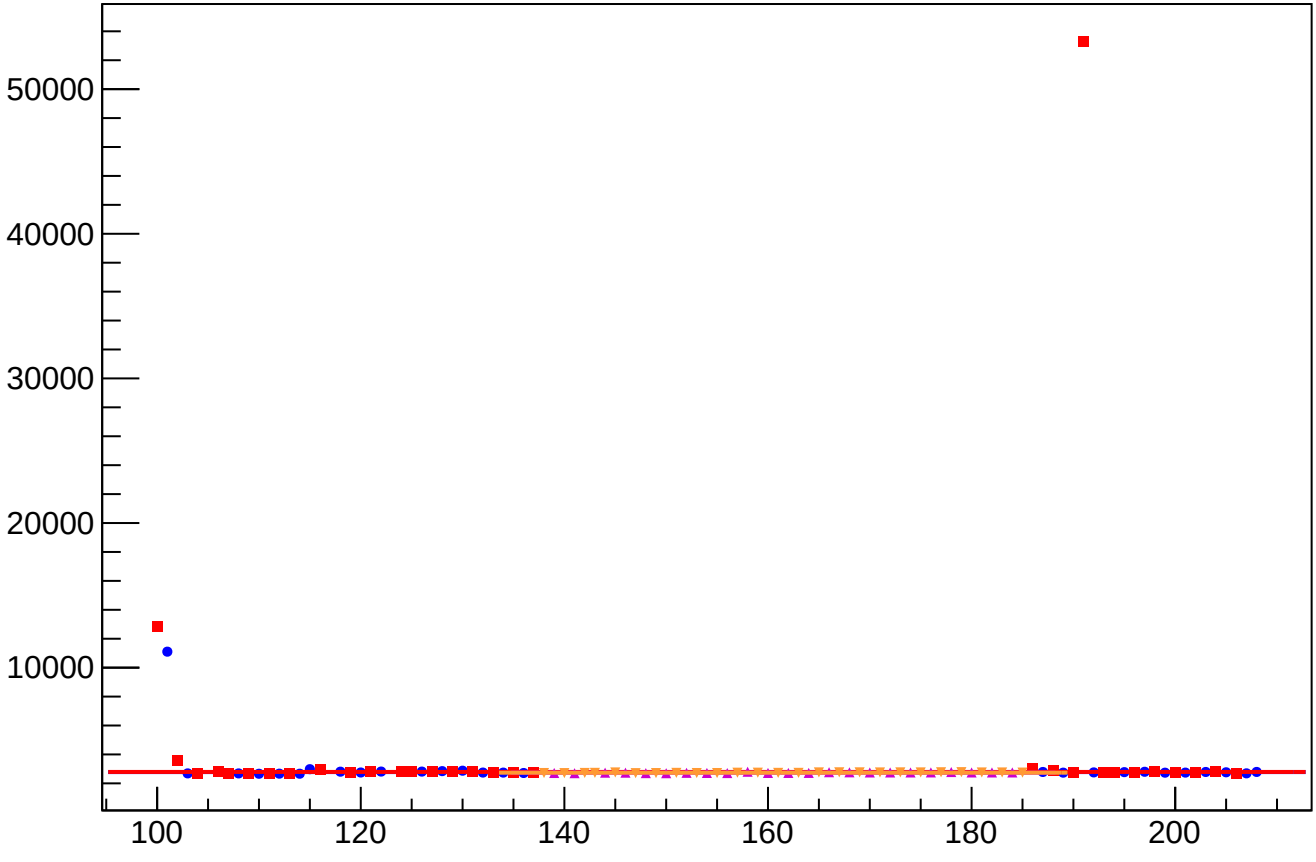
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2383.265+/-466.827 χ^2/NDF: 55.5/51

All: -51.692+/-331.759 χ^2/NDF: 160.1/105

- sign -2536.324+/-471.565 χ^2/NDF: 49.6/53

cor_asym_atr1_rms vs Slug



Right In: 2779.656+/-0.500 χ^2/NDF: 750456.3/26

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2789.575+/-0.493 χ^2/NDF: 481201.7/30

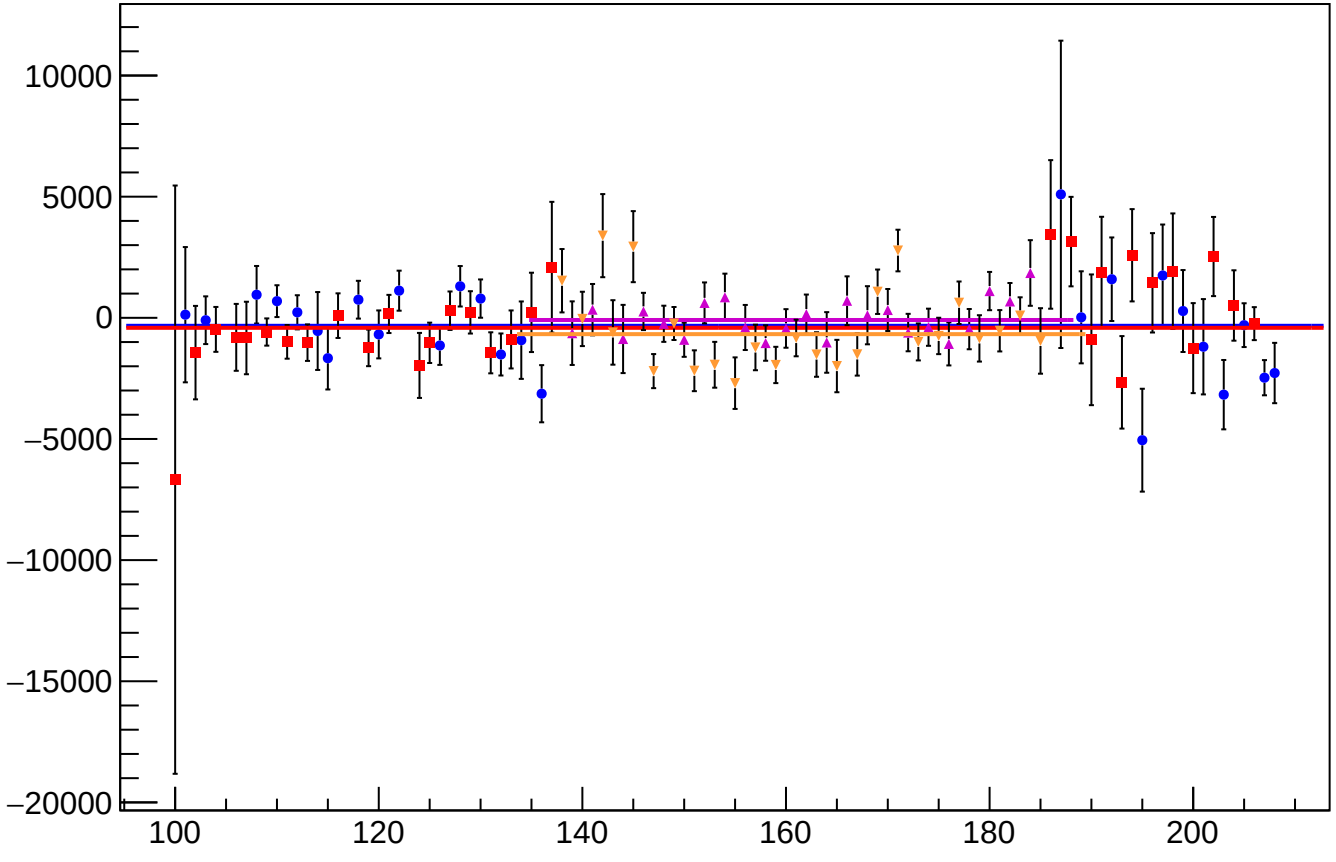
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

\+ sign 2755.907+/-0.330 χ^2/NDF: 756781.7/51

All: 2759.202+/-0.235 χ^2/NDF: 1247061.4/10

\- sign 2762.563+/-0.333 χ^2/NDF: 490078.5/53

asym_atr1_cor_correction_mean vs Slug



Right In: -329.106+/-202.887 χ^2/NDF: 48.3/26

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -412.194+/-194.474 χ^2/NDF: 25.9/30

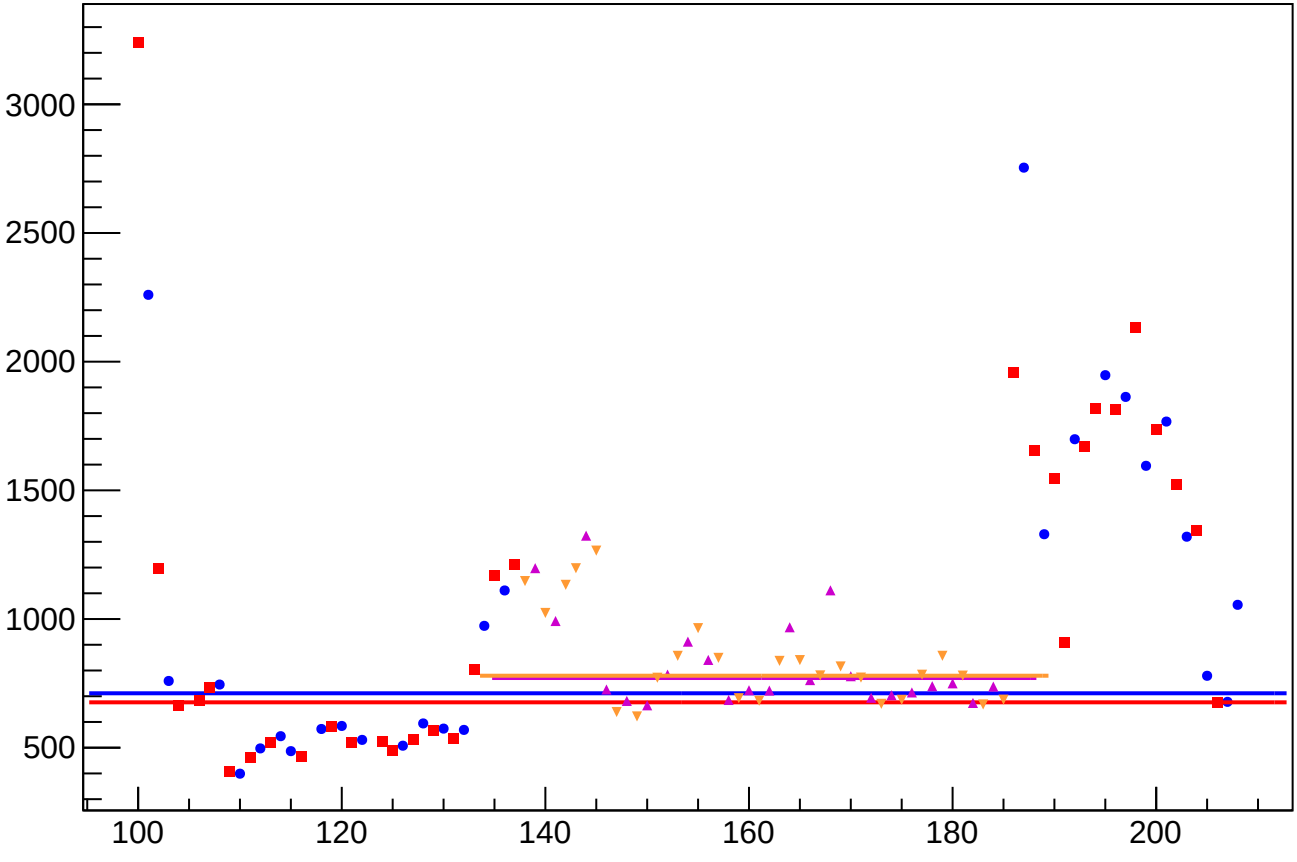
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -520.719+/-135.160 χ^2/NDF: 108.3/51

All: -379.373+/-94.966 χ^2/NDF: 152.6/105

- sign -241.555+/-133.462 χ^2/NDF: 42.2/53

asym_atr1_cor_correction_rms vs Slug



Right In: 711.465+/-0.143 χ^2/NDF: 6102409.7/26

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 676.312+/-0.138 χ^2/NDF: 7121008.9/30

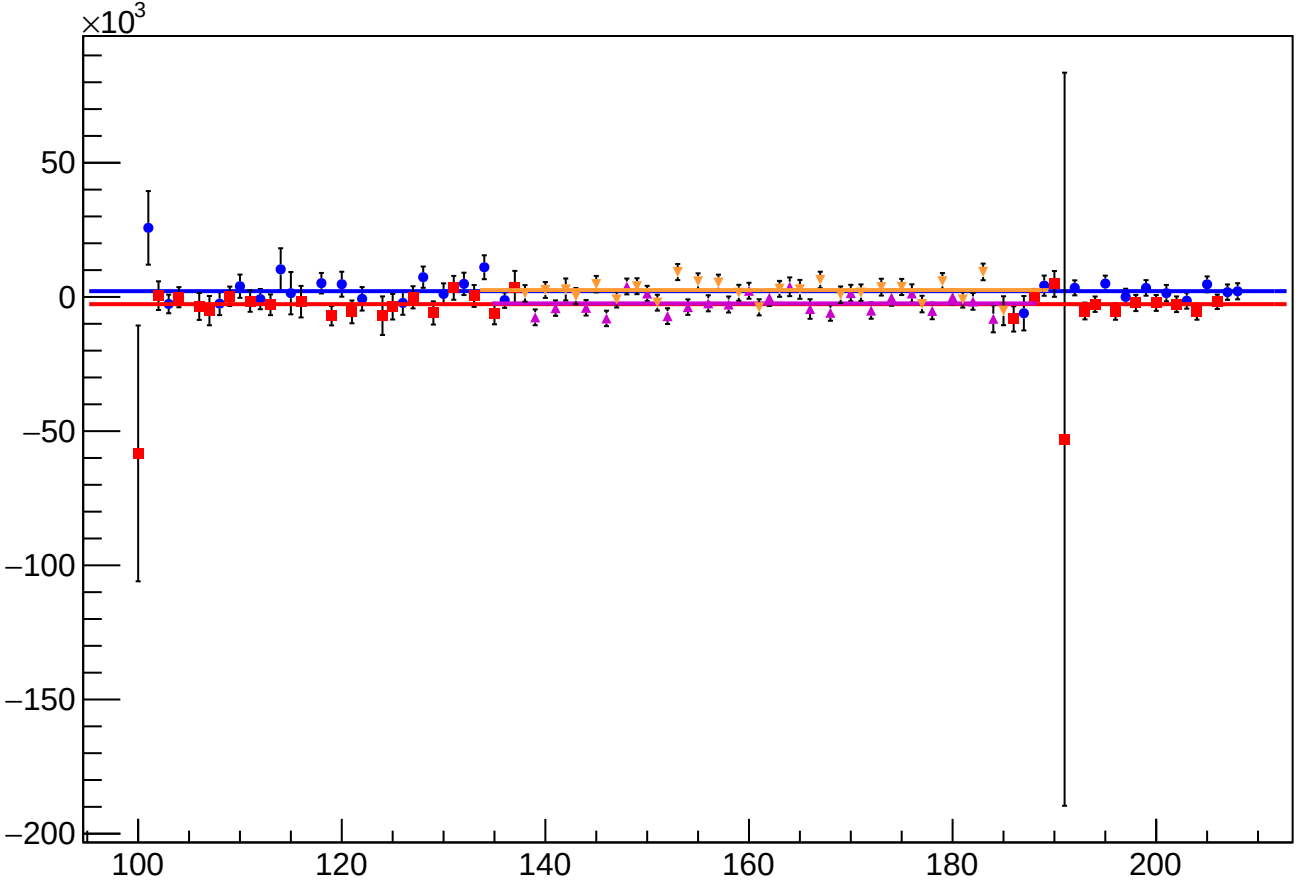
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 749.425+/-0.096 χ^2/NDF: 7472052.0/51

All: 737.715+/-0.067 χ^2/NDF: 15948762.9/10

- sign 726.298+/-0.094 χ^2/NDF: 8447064.1/53

eigen_cor_asym_atr1_mean vs Slug



Right In: 2159.165+/-706.665 χ^2/NDF: 23.8/26

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2688.474+/-697.846 χ^2/NDF: 18.1/30

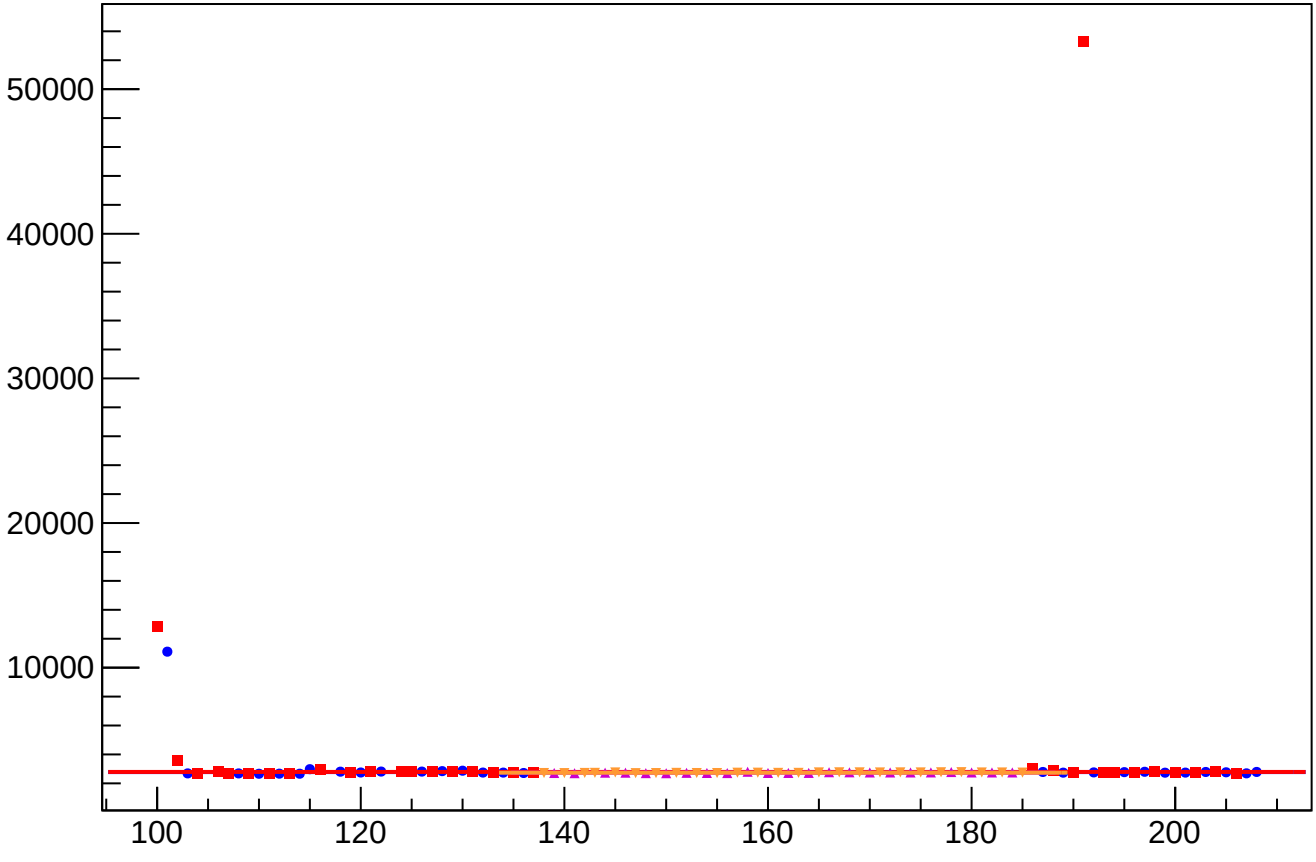
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2383.265+/-466.827 χ^2/NDF: 55.5/51

All: -51.692+/-331.759 χ^2/NDF: 160.1/105

- sign -2536.324+/-471.565 χ^2/NDF: 49.6/53

eigen_cor_asym_atr1_rms vs Slug



Right In: 2779.656+/-0.500 χ^2/NDF: 750456.3/26

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2789.575+/-0.493 χ^2/NDF: 481201.7/30

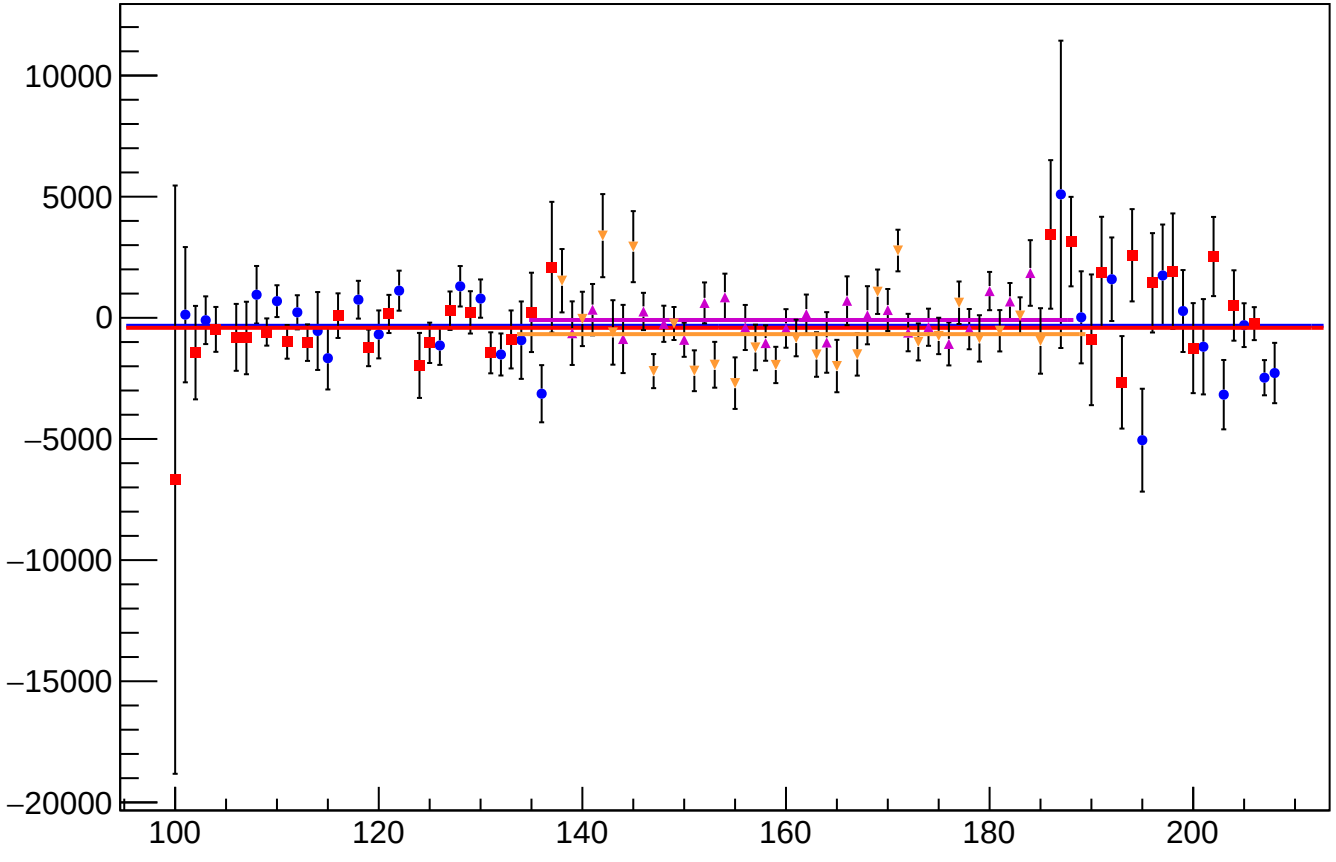
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2755.907+/-0.330 χ^2/NDF: 756781.7/51

All: 2759.202+/-0.235 χ^2/NDF: 1247061.4/10

- sign 2762.563+/-0.333 χ^2/NDF: 490078.5/53

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: -329.106+/-202.887 χ^2/NDF: 48.3/26

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -412.194+/-194.474 χ^2/NDF: 25.9/30

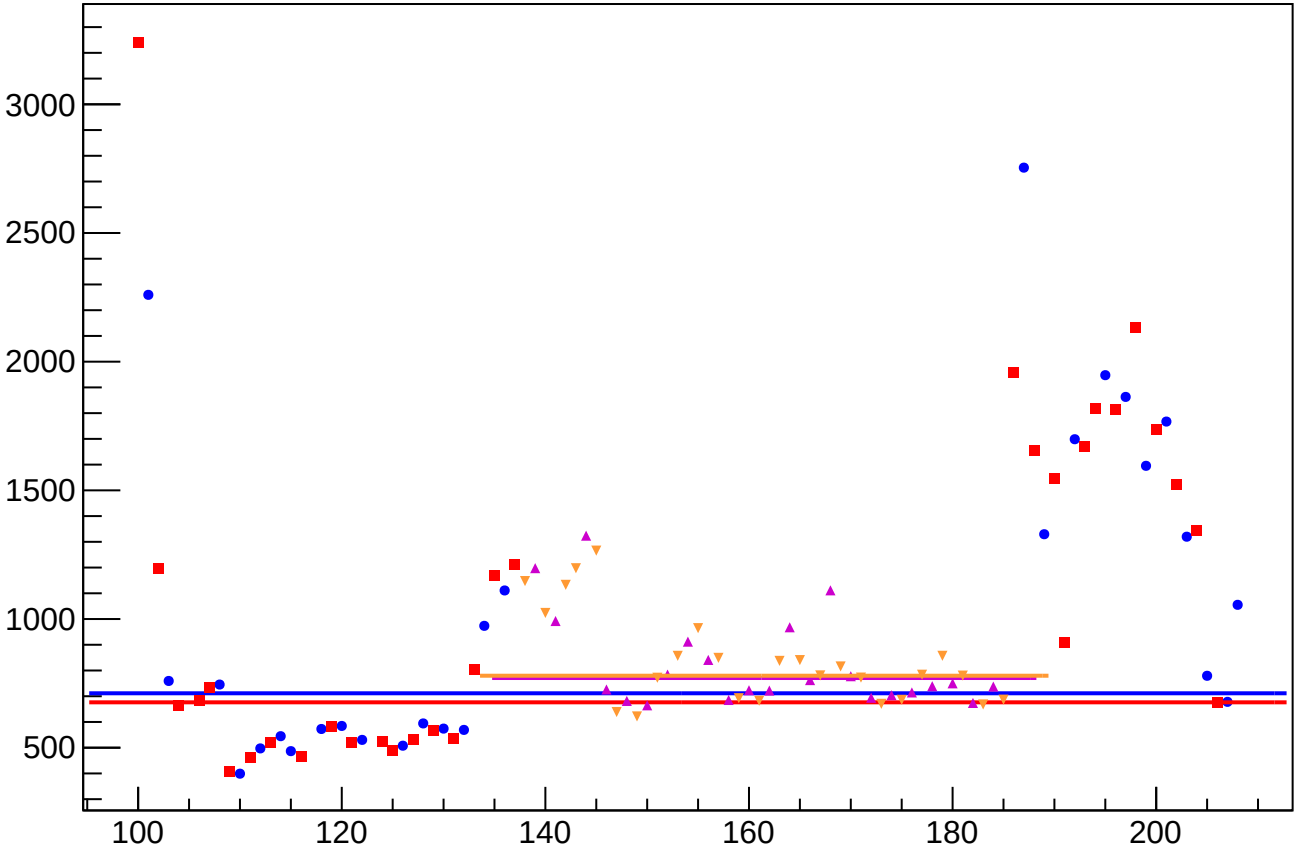
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -520.719+/-135.160 χ^2/NDF: 108.3/51

All: -379.373+/-94.966 χ^2/NDF: 152.6/105

- sign -241.555+/-133.462 χ^2/NDF: 42.2/53

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 711.465+/-0.143 χ^2/NDF: 6102409.7/26

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 676.312+/-0.138 χ^2/NDF: 7121008.9/30

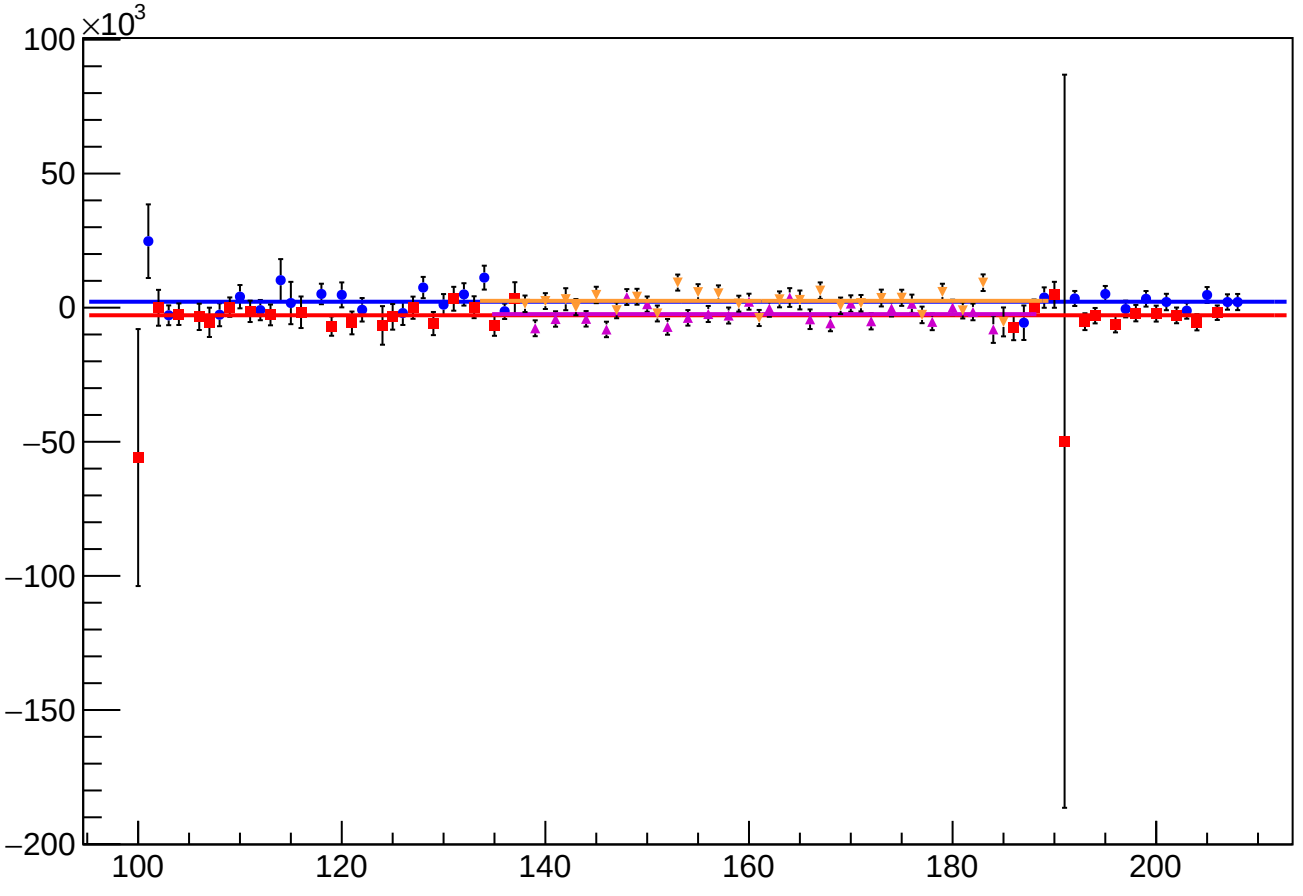
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 749.425+/-0.096 χ^2/NDF: 7472052.0/51

All: 737.715+/-0.067 χ^2/NDF: 15948762.9/10

- sign 726.298+/-0.094 χ^2/NDF: 8447064.1/53

dit_asym_atr1_mean vs Slug



Right In: 2213.538+/-710.599 χ^2/NDF: 23.5/26

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2834.004+/-703.627 χ^2/NDF: 17.2/30

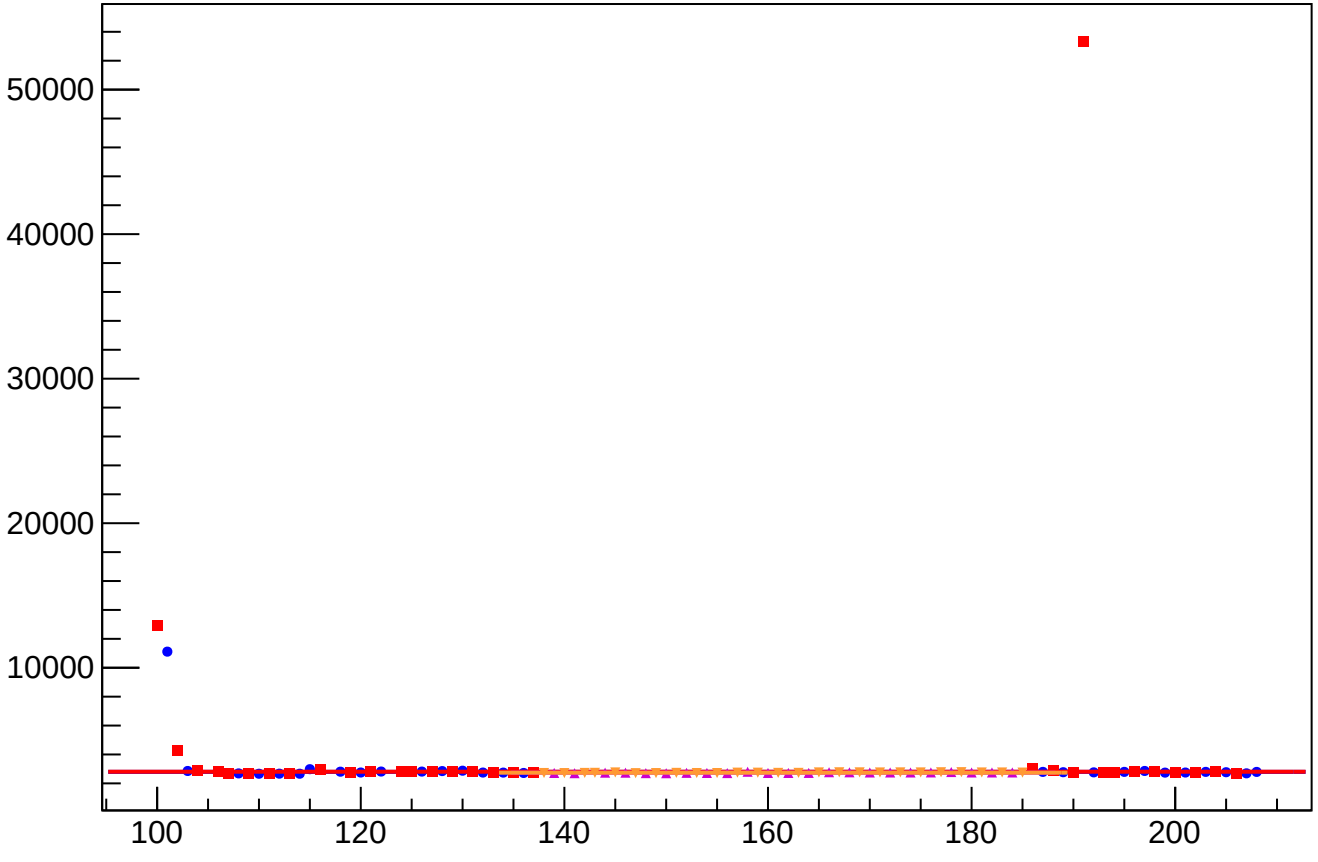
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2401.172+/-468.129 χ^2/NDF: 55.6/51

All: -71.121+/-332.894 χ^2/NDF: 161.2/105

- sign -2600.277+/-473.482 χ^2/NDF: 49.2/53

dit_asym_atr1_rms vs Slug



Right In: 2794.964+/-0.502 χ^2/NDF: 750079.6/26

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2806.493+/-0.498 χ^2/NDF: 534747.7/30

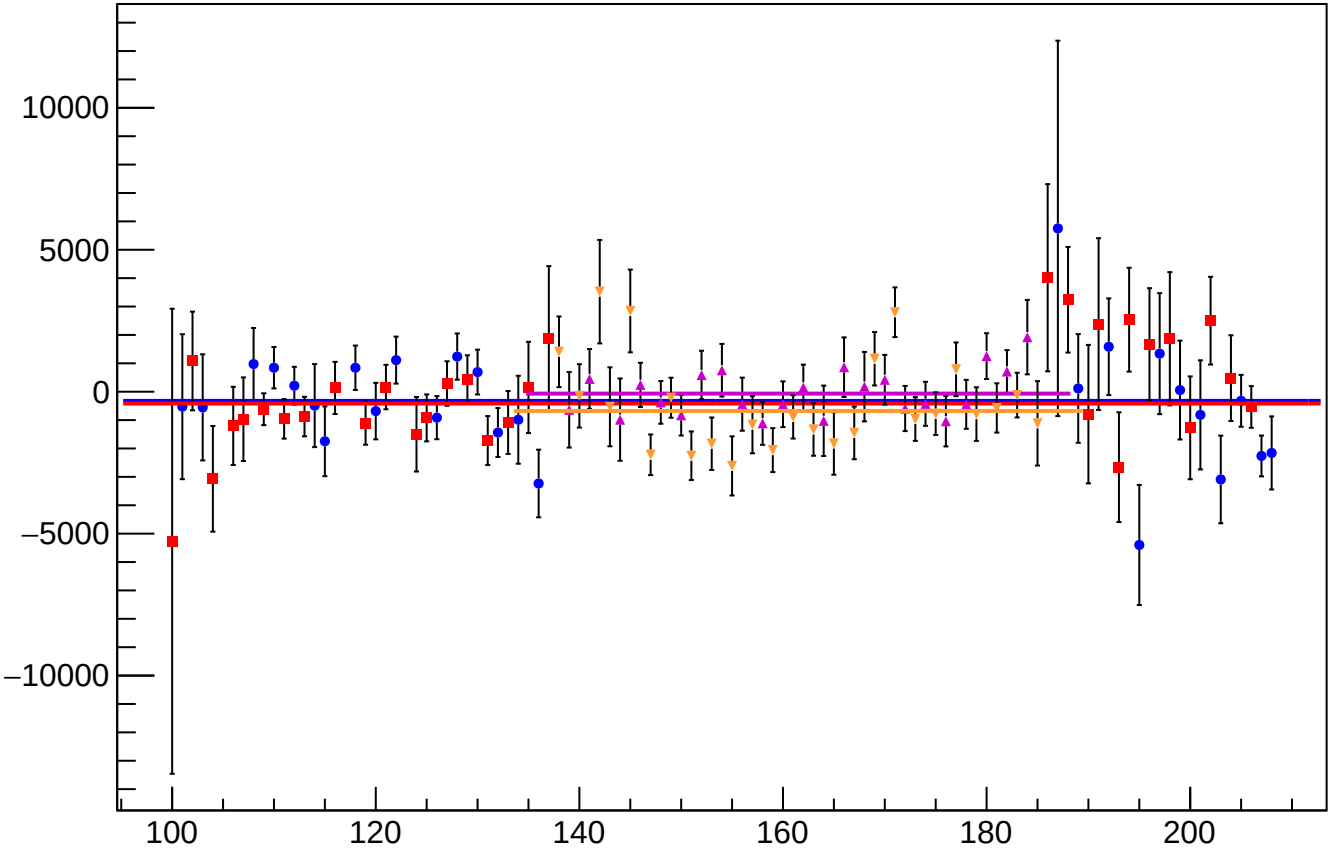
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2763.460+/-0.331 χ^2/NDF: 759347.2/51

All: 2767.123+/-0.235 χ^2/NDF: 1307080.7/10

- sign 2770.870+/-0.335 χ^2/NDF: 547485.8/53

asym_atr1_dit_correction_mean vs Slug



Right In: -323.958+/-205.959 χ^2/NDF: 45.9/26

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -416.000+/-196.514 χ^2/NDF: 29.7/30

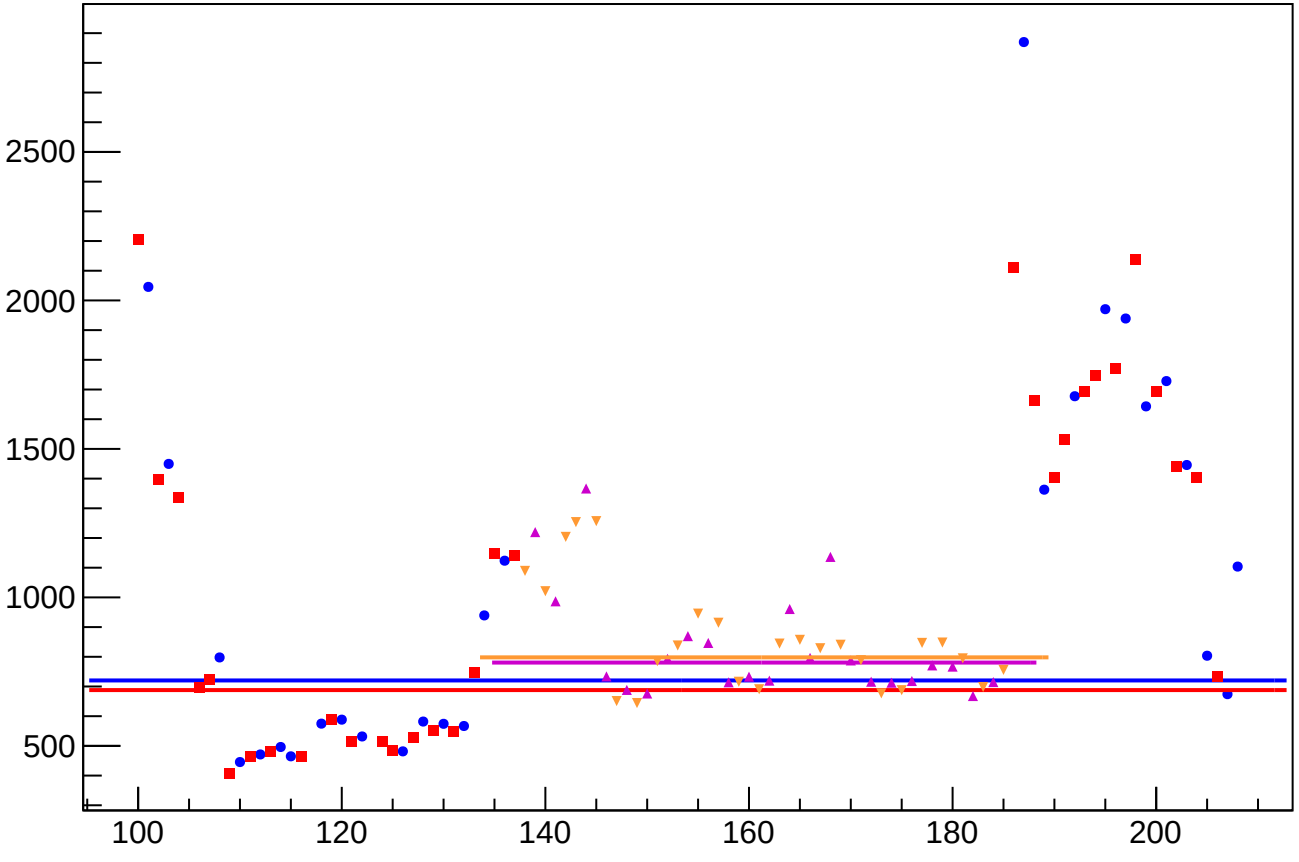
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -520.025+/-137.632 χ^2/NDF: 103.7/51

All: -372.822+/-96.329 χ^2/NDF: 153.1/105

- sign -231.468+/-134.869 χ^2/NDF: 47.2/53

asym_atr1_dit_correction_rms vs Slug



Right In: 720.355+/-0.146 χ^2/NDF: 6587841.5/26

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 687.894+/-0.139 χ^2/NDF: 7724029.5/30

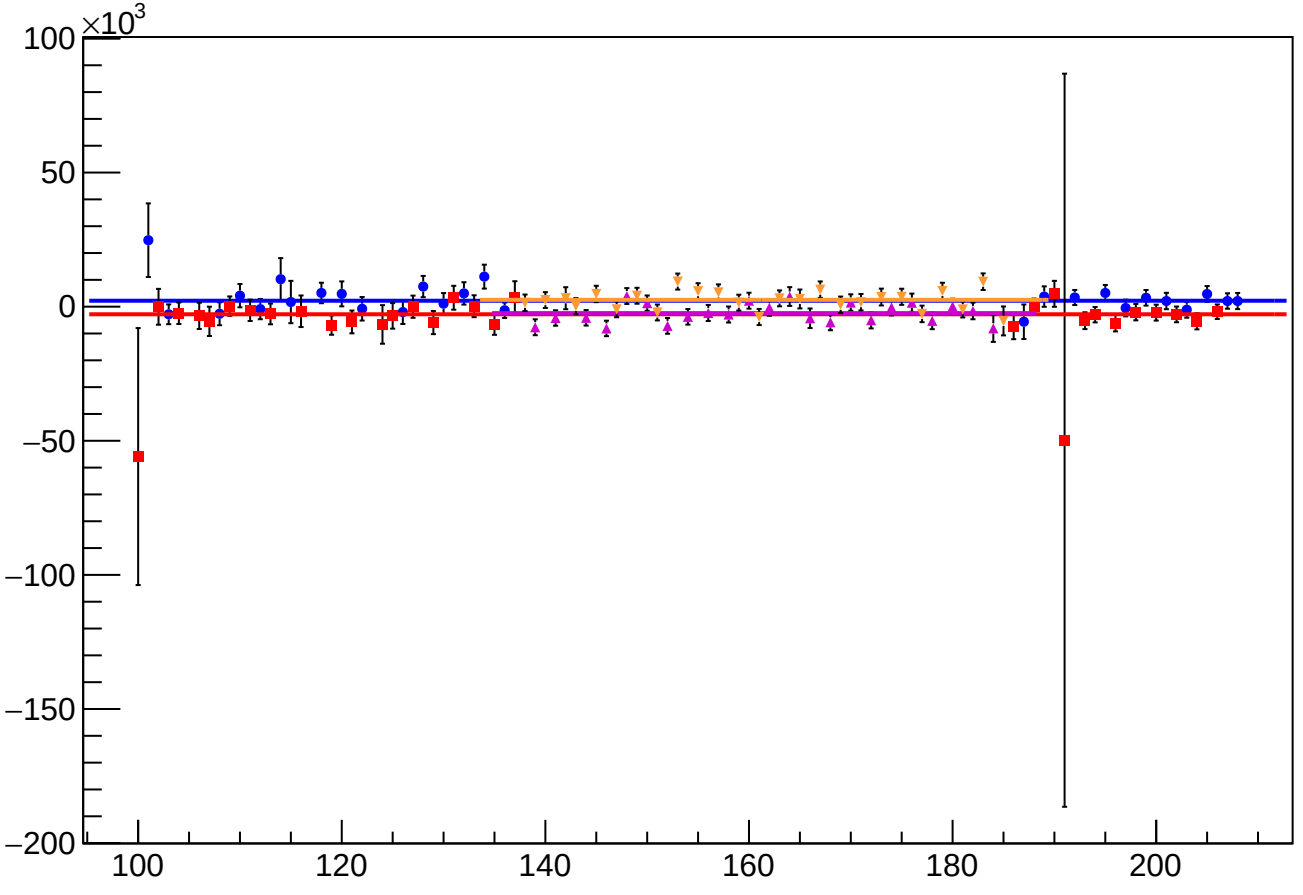
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 763.377+/-0.097 χ^2/NDF: 7913881.2/51

All: 749.867+/-0.068 χ^2/NDF: 16975587.2/10

- sign 736.894+/-0.095 χ^2/NDF: 9023929.1/53

eigen_dit_asym_atr1_mean vs Slug



Right In: 2213.538+/-710.599 χ^2/NDF: 23.5/26

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2834.002+/-703.627 χ^2/NDF: 17.2/30

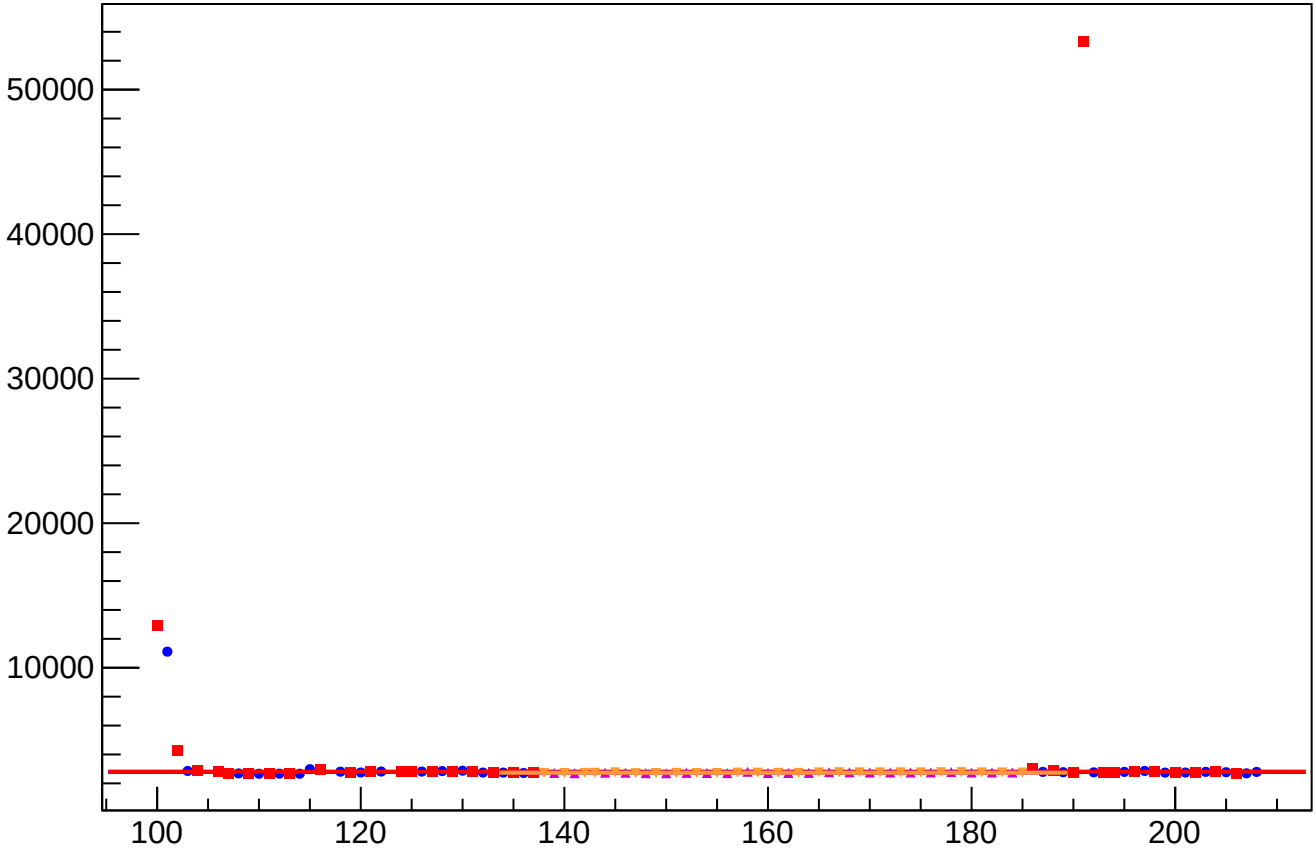
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2401.173+/-468.129 χ^2/NDF: 55.6/51

All: -71.120+/-332.894 χ^2/NDF: 161.2/105

- sign -2600.276+/-473.482 χ^2/NDF: 49.2/53

eigen_dit_asym_atr1_rms vs Slug



Right In: 2794.964+/-0.502 χ^2/NDF: 750079.6/26

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2806.493+/-0.498 χ^2/NDF: 534747.5/30

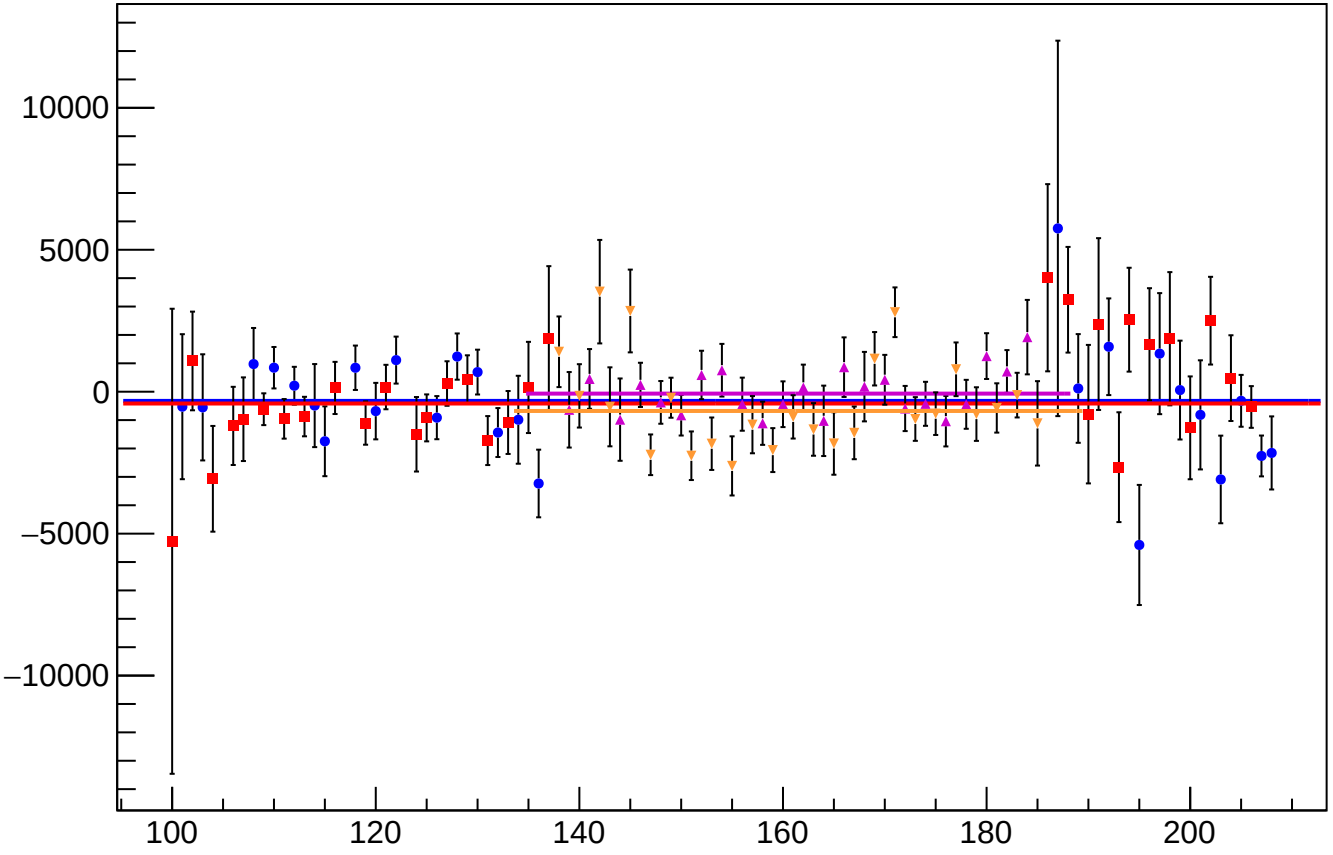
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2763.460+/-0.331 χ^2/NDF: 759347.1/51

All: 2767.123+/-0.235 χ^2/NDF: 1307080.4/10

- sign 2770.870+/-0.335 χ^2/NDF: 547485.6/53

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -323.958+/-205.959 χ^2/NDF: 45.9/26

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -416.000+/-196.514 χ^2/NDF: 29.7/30

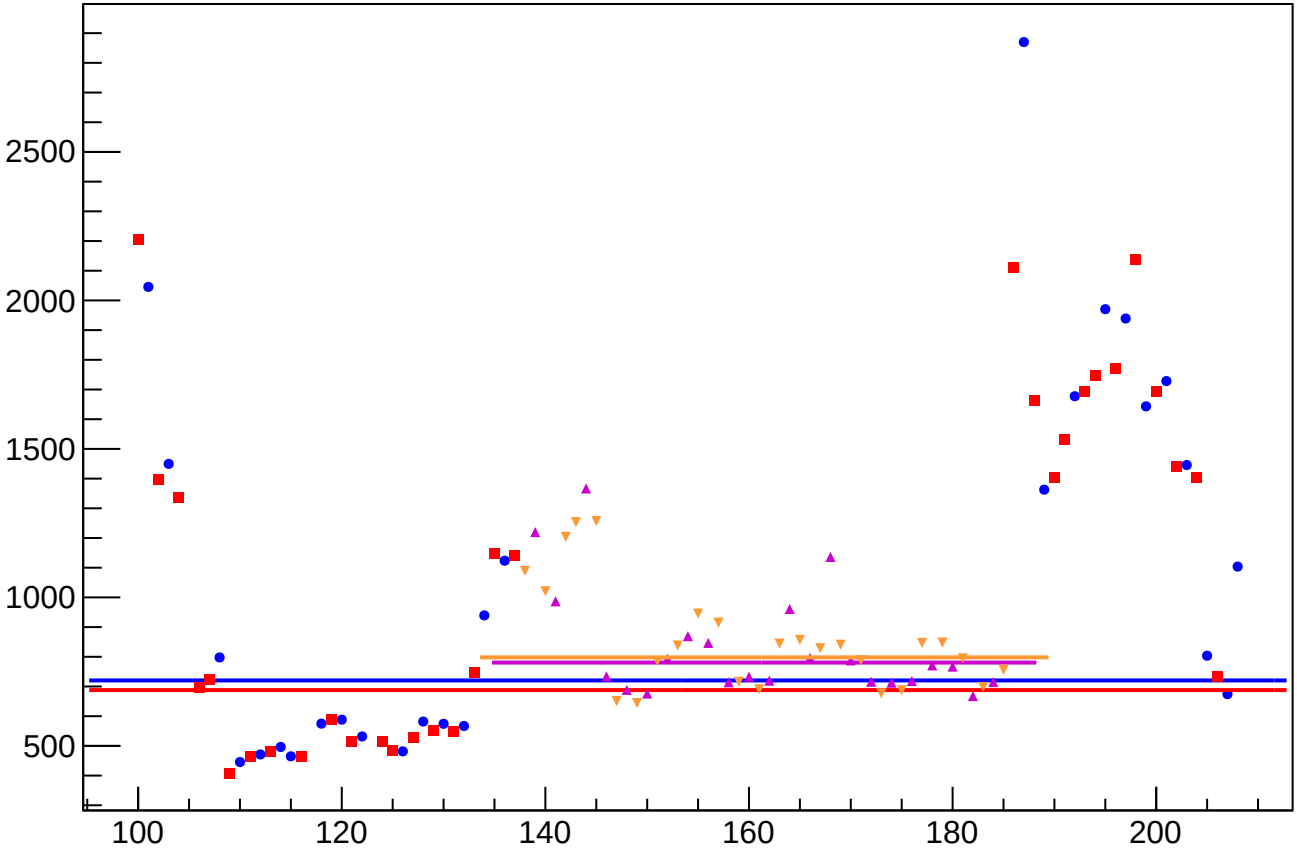
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

\+ sign -520.026+/-137.632 χ^2/NDF: 103.7/51

All: -372.822+/-96.329 χ^2/NDF: 153.1/105

\- sign -231.469+/-134.869 χ^2/NDF: 47.2/53

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 720.355+/-0.146 χ^2/NDF: 6587839.3/26

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

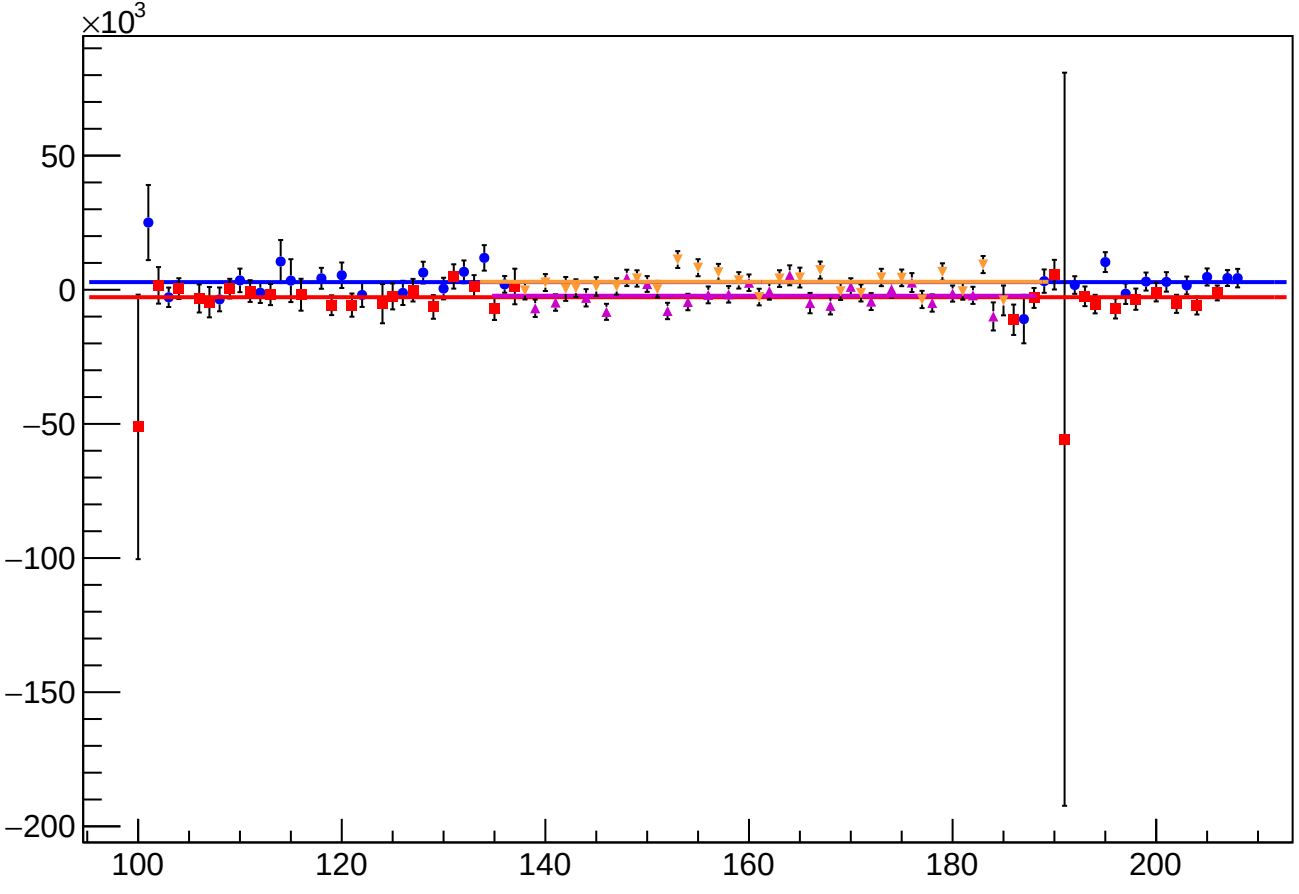
Right Out: 687.894+/-0.139 χ^2/NDF: 7724033.4/30

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 763.378+/-0.097 χ^2/NDF: 7913878.9/51

All: 749.868+/-0.068 χ^2/NDF: 16975591.0/10

- sign 736.894+/-0.095 χ^2/NDF: 9023934.4/53



Right In: 2850.146+/-774.431 χ^2/NDF: 25.8/26

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -2771.734+/-770.876 χ^2/NDF: 19.4/30

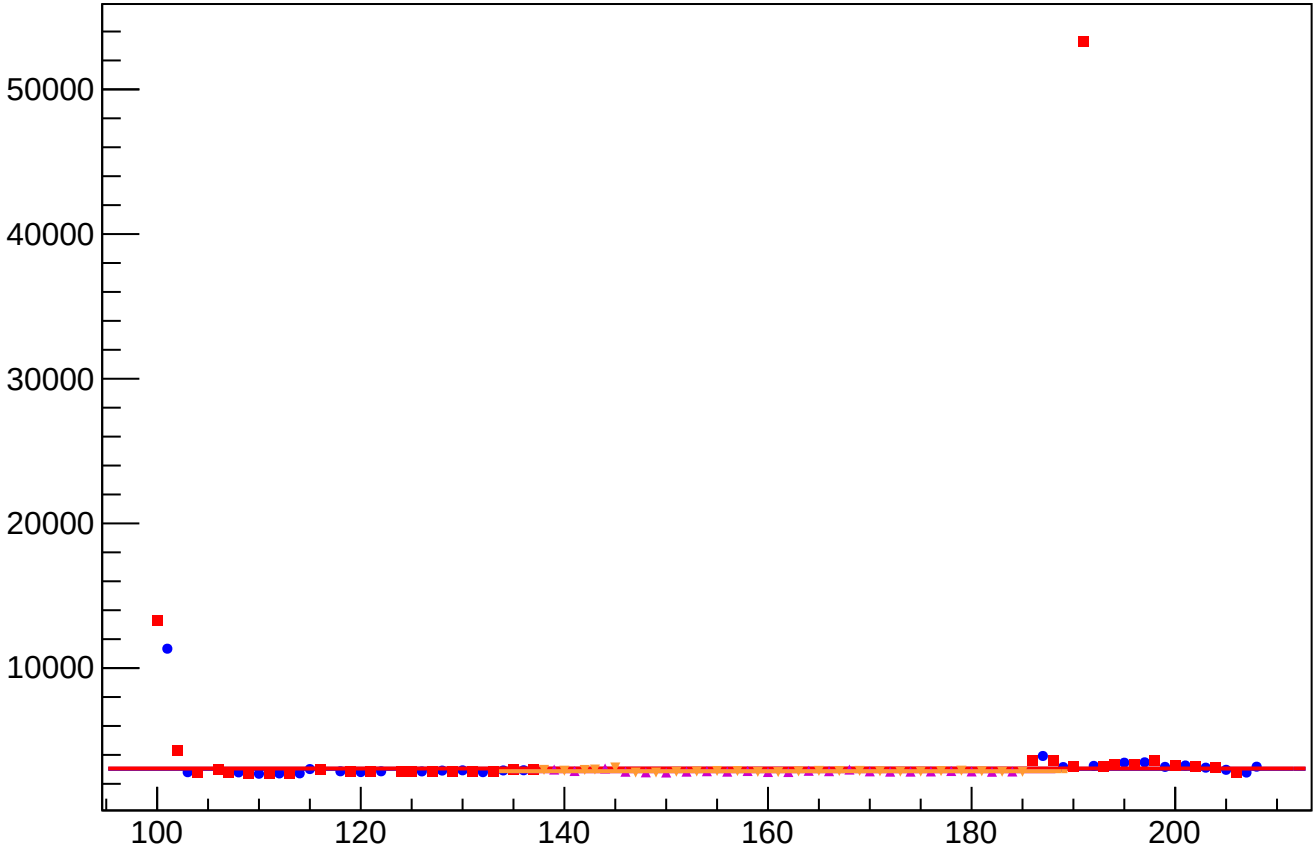
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2919.783+/-499.346 χ^2/NDF: 61.5/51

All: 260.896+/-355.362 χ^2/NDF: 172.4/105

- sign -2467.523+/-505.833 χ^2/NDF: 53.4/53

asym_atr1_rms vs Slug



Right In: 3036.401+/-0.548 χ^2/NDF: 887273.0/26

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

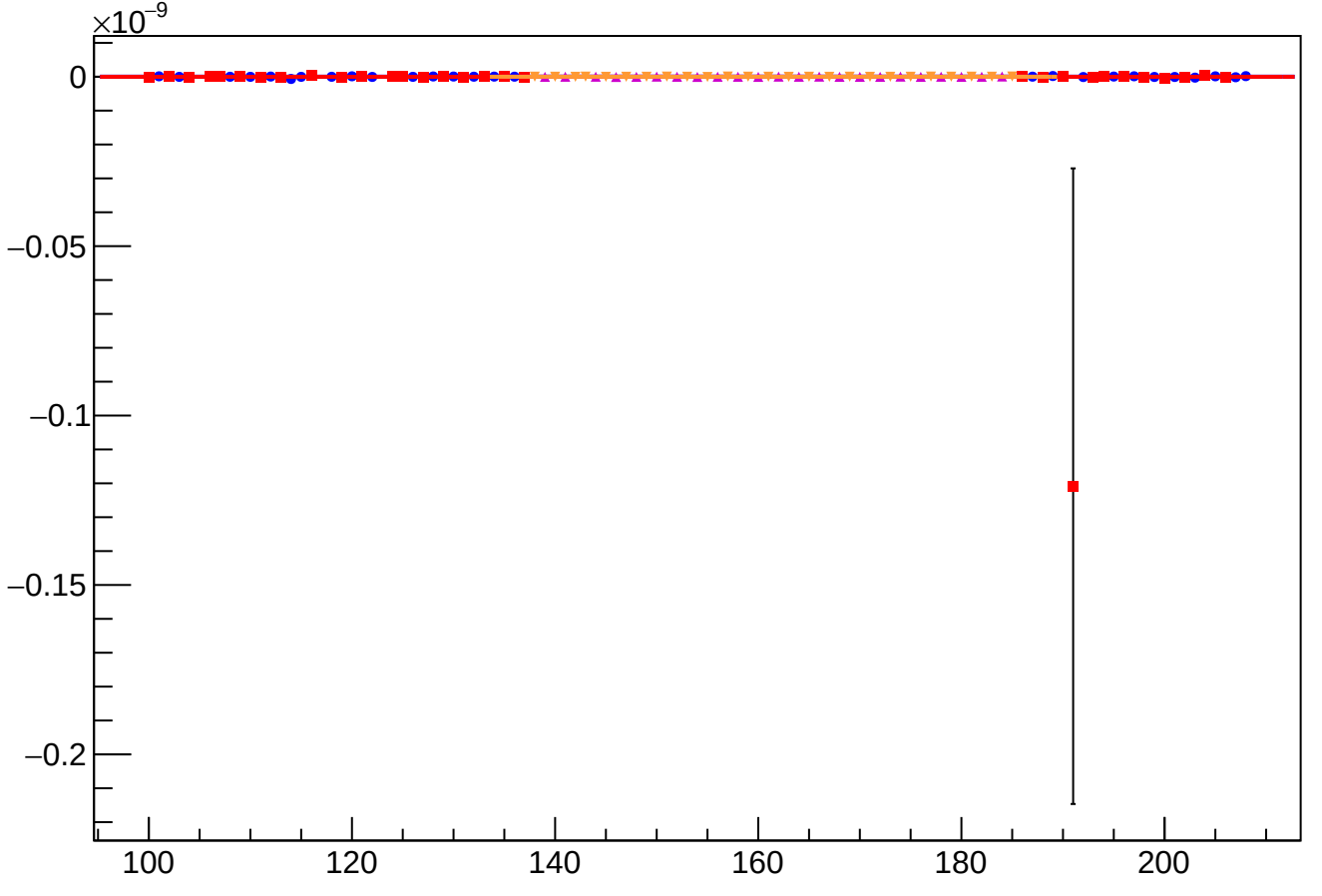
Right Out: 3059.914+/-0.545 χ^2/NDF: 733799.4/30

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2942.064+/-0.353 χ^2/NDF: 959857.9/51

All: 2946.898+/-0.251 χ^2/NDF: 1780735.6/10

- sign 2951.859+/-0.358 χ^2/NDF: 820497.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.1/30

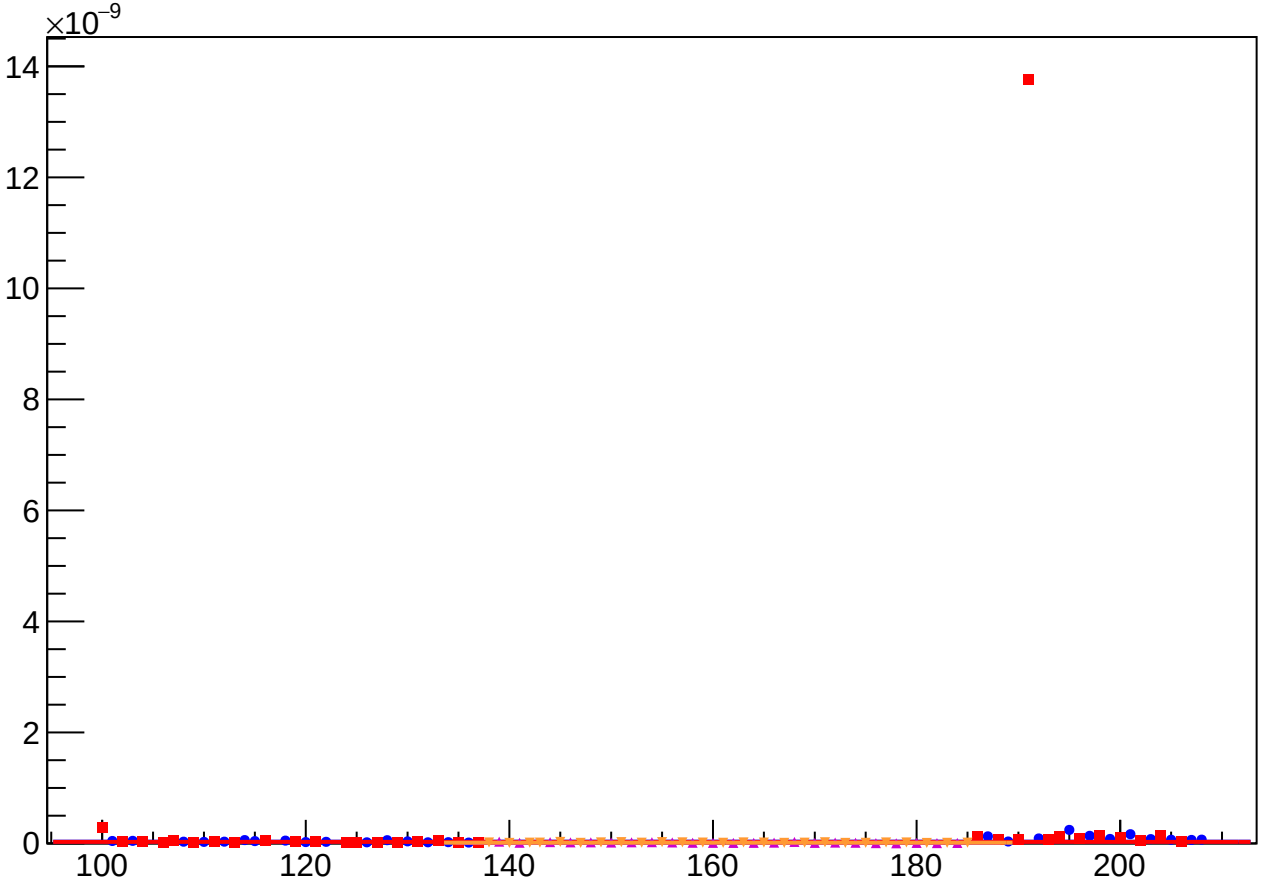
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.1/51

All: 0.000+/-0.000 χ^2/NDF: 108.6/105

- sign 0.000+/-0.000 χ^2/NDF: 69.4/53

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4019324.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3508270.9/30

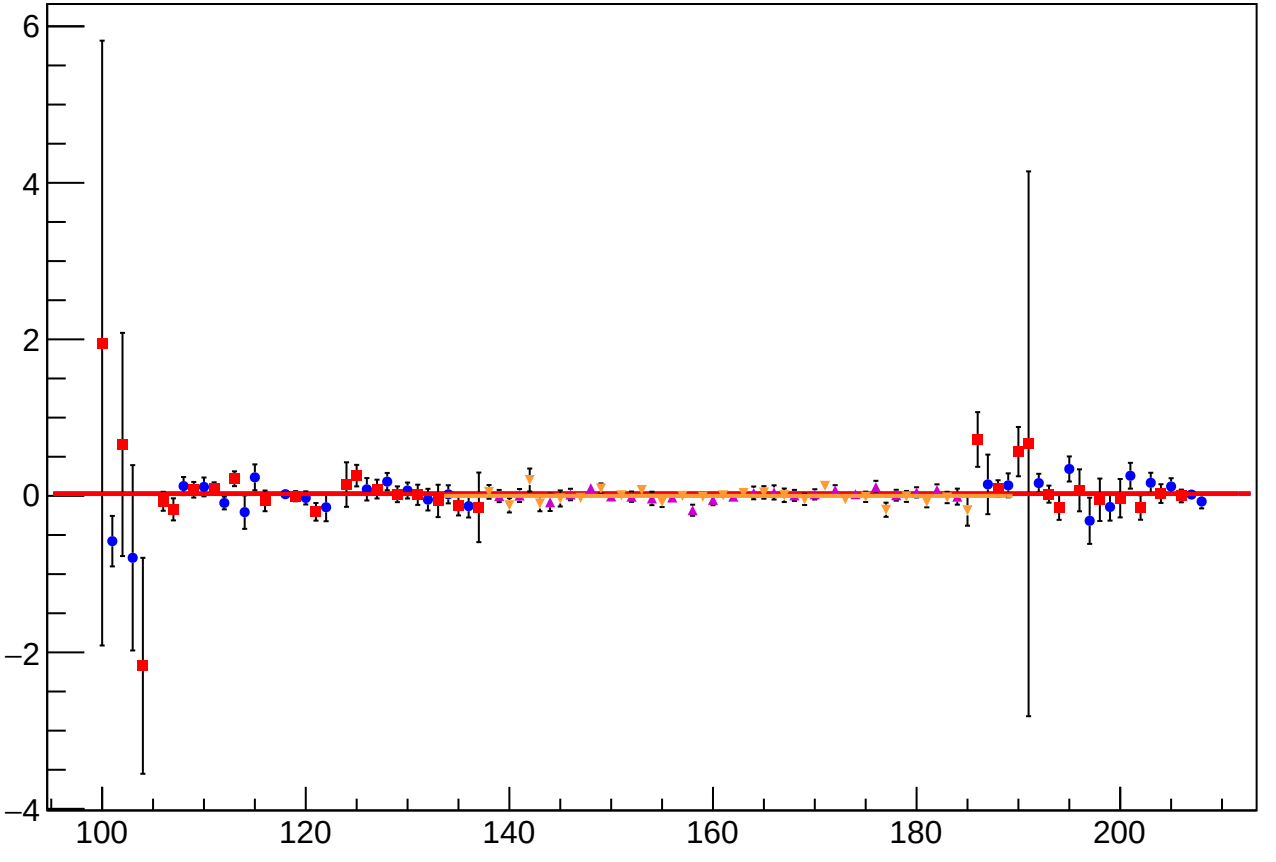
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7662964.0/51

All: 0.000+/-0.000 χ^2/NDF: 17102303.2/105

- sign 0.000+/-0.000 χ^2/NDF: 9127473.7/53

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.033+/-0.022 χ^2/NDF: 28.5/26

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.023+/-0.024 χ^2/NDF: 30.8/30

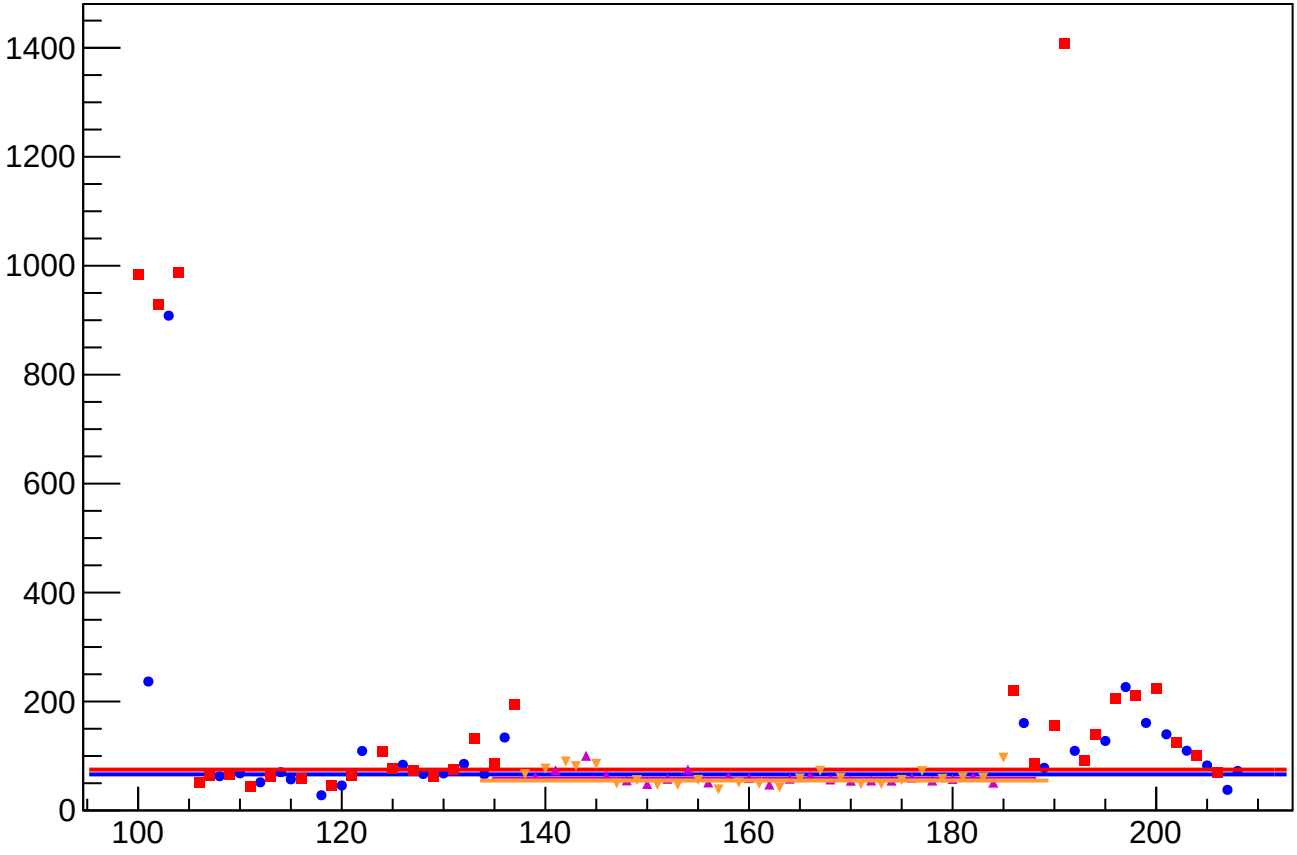
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 52.7/51

All: 0.011+/-0.009 χ^2/NDF: 99.3/105

- sign 0.012+/-0.013 χ^2/NDF: 46.6/53

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 66.202+/-0.015 χ^2/NDF: 6485174.8/26

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 74.993+/-0.017 χ^2/NDF: 6236318.7/30

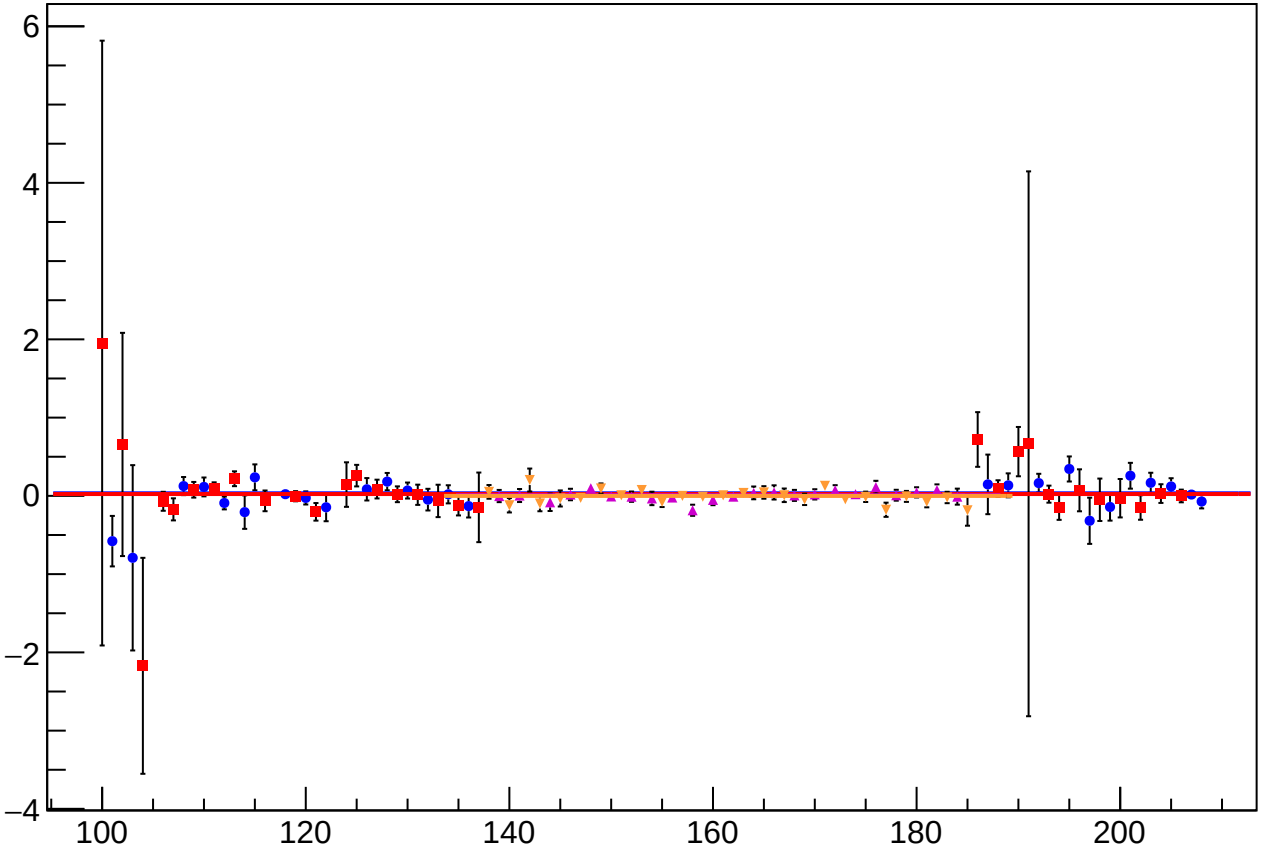
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 58.280+/-0.008 χ^2/NDF: 8162862.8/51

All: 60.470+/-0.006 χ^2/NDF: 15938145.5/105

- sign 62.939+/-0.009 χ^2/NDF: 7629098.5/53

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.033+/-0.022 χ^2/NDF: 28.5/26

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.023+/-0.024 χ^2/NDF: 30.8/30

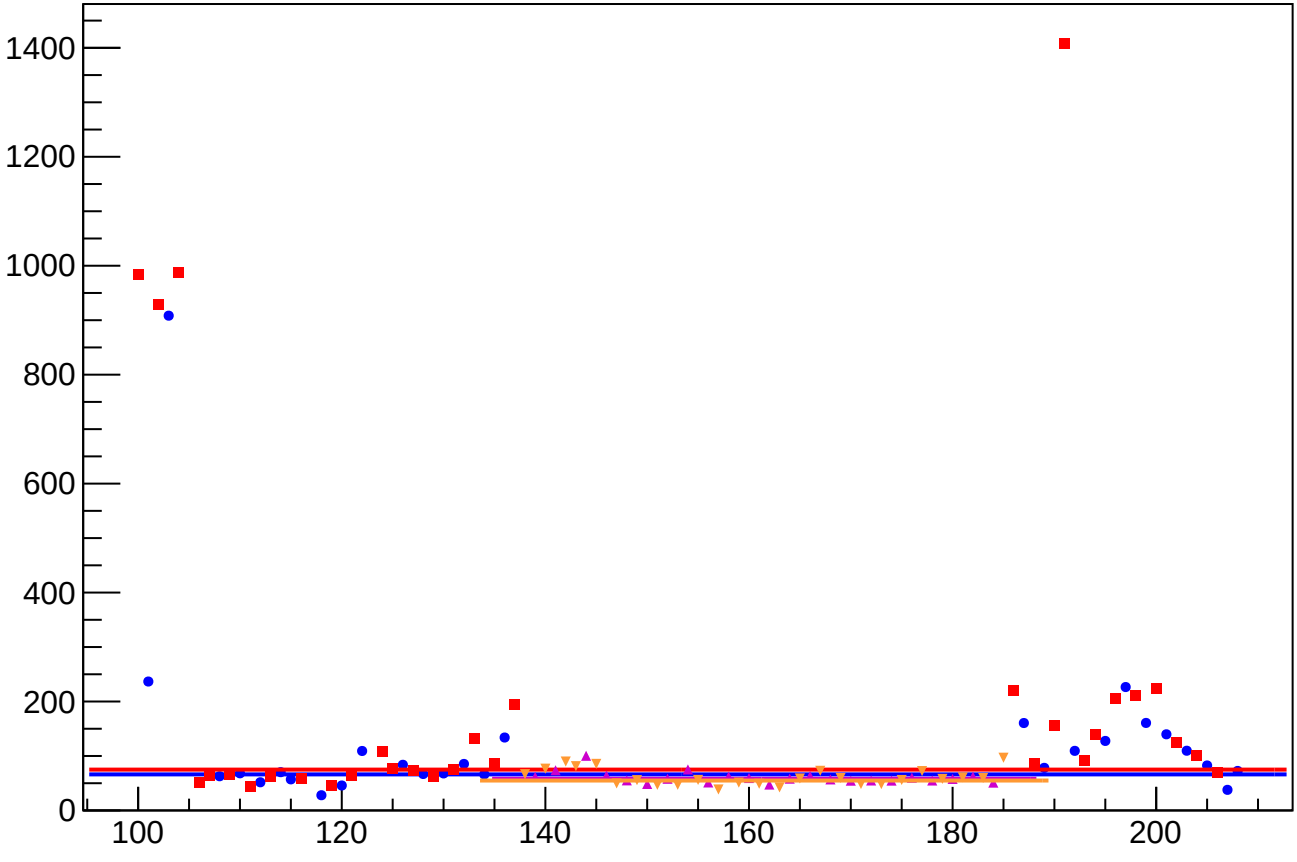
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 52.7/51

All: 0.011+/-0.009 χ^2/NDF: 99.3/105

- sign 0.012+/-0.013 χ^2/NDF: 46.6/53

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.202+/-0.015 χ^2/NDF: 6485174.8/26

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 74.993+/-0.017 χ^2/NDF: 6236318.7/30

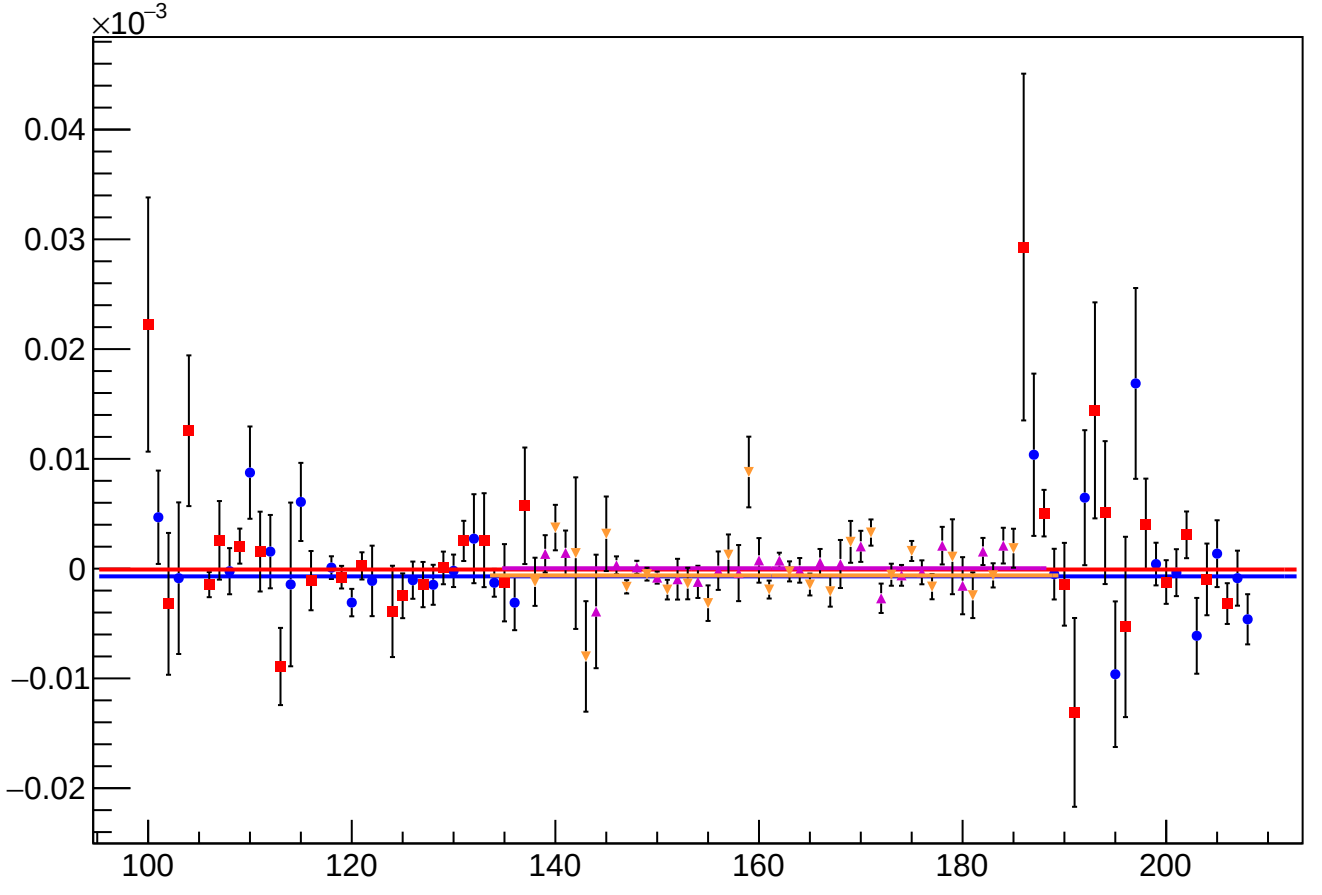
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 58.280+/-0.008 χ^2/NDF: 8162862.8/51

All: 60.470+/-0.006 χ^2/NDF: 15938145.5/105

- sign 62.939+/-0.009 χ^2/NDF: 7629098.5/53

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.0/26

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.1/30

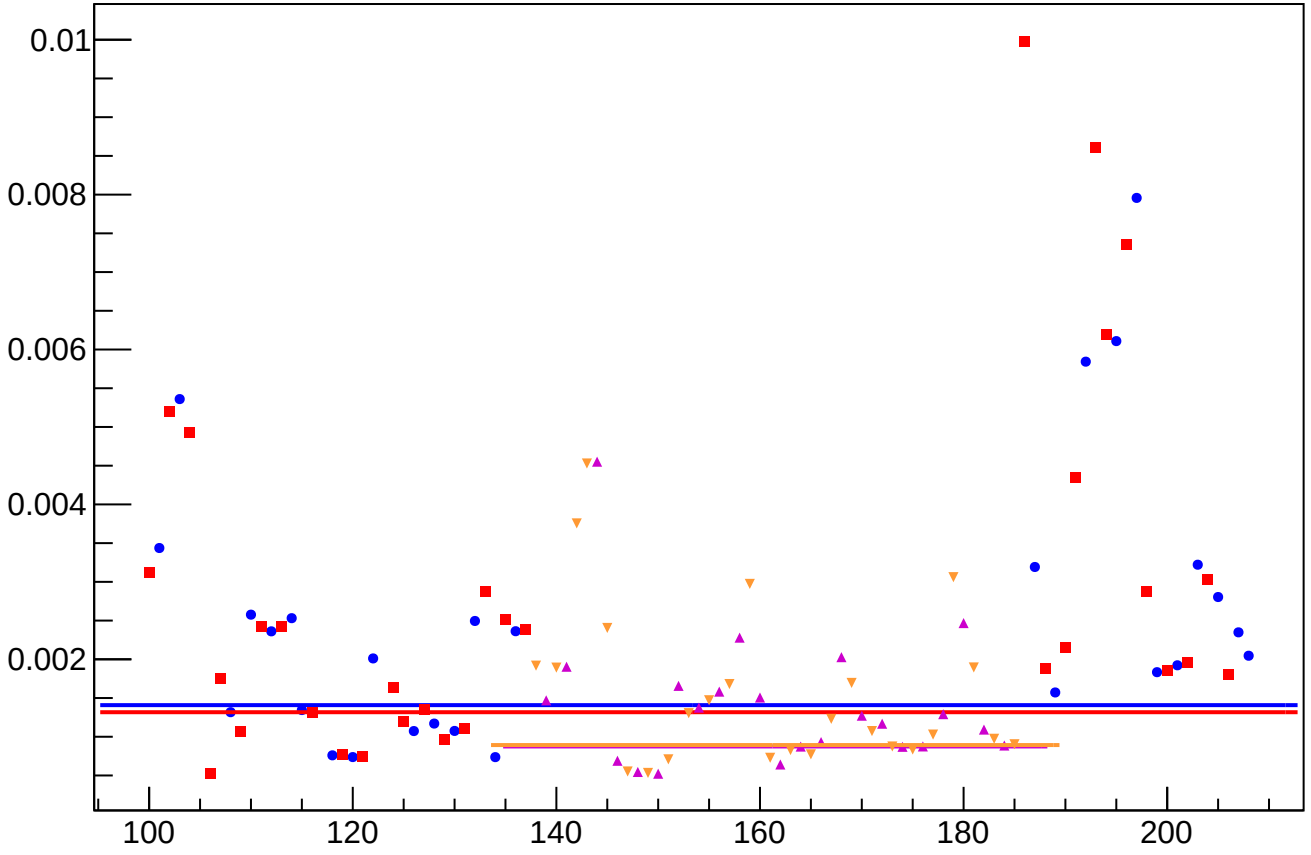
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 85.8/51

All: -0.000+/-0.000 χ^2/NDF: 155.0/105

- sign 0.000+/-0.000 χ^2/NDF: 64.3/53

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9043133.5/26

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10179972.1/30

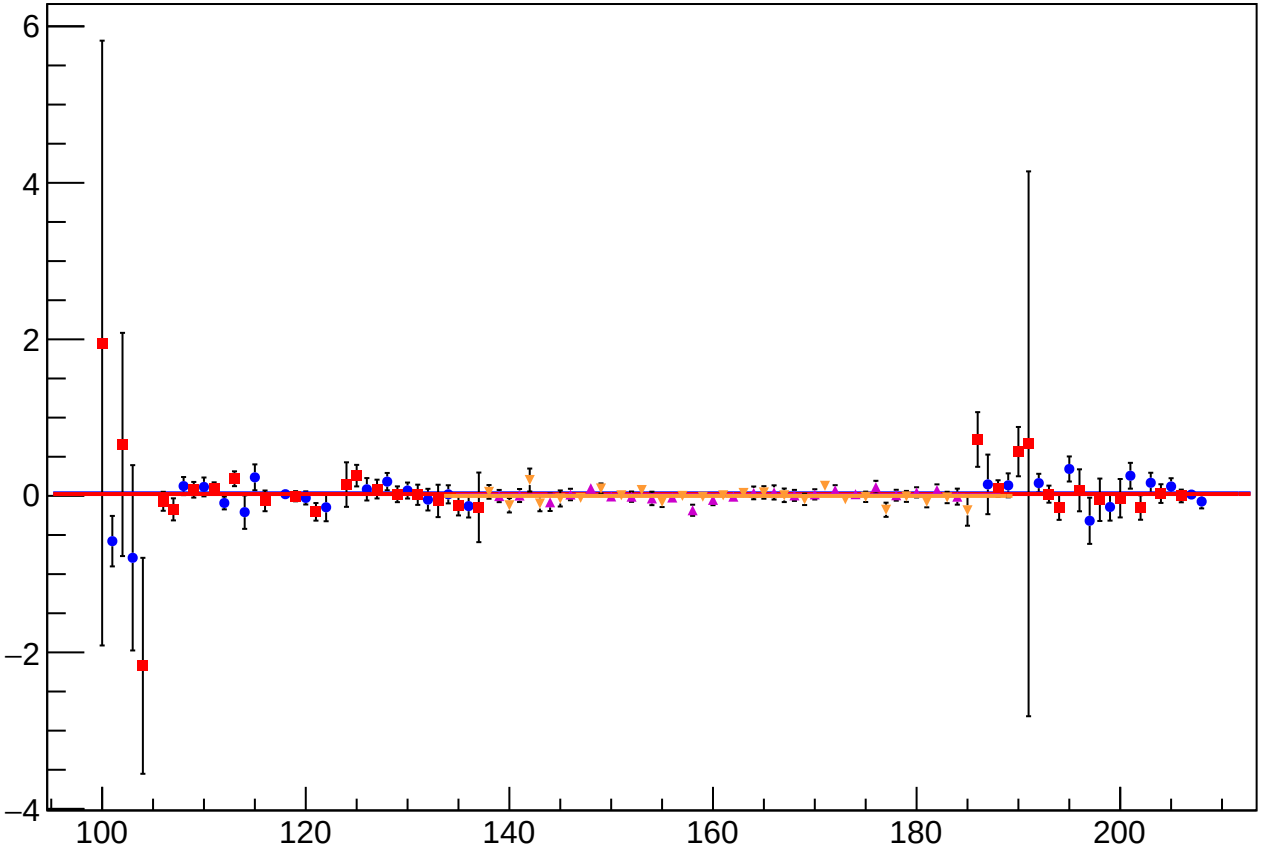
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 19018098.5/51

All: 0.001+/-0.000 χ^2/NDF: 37914529.2/105

- sign 0.001+/-0.000 χ^2/NDF: 18879769.5/53

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.033+/-0.022 χ^2/NDF: 28.5/26

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.023+/-0.024 χ^2/NDF: 30.8/30

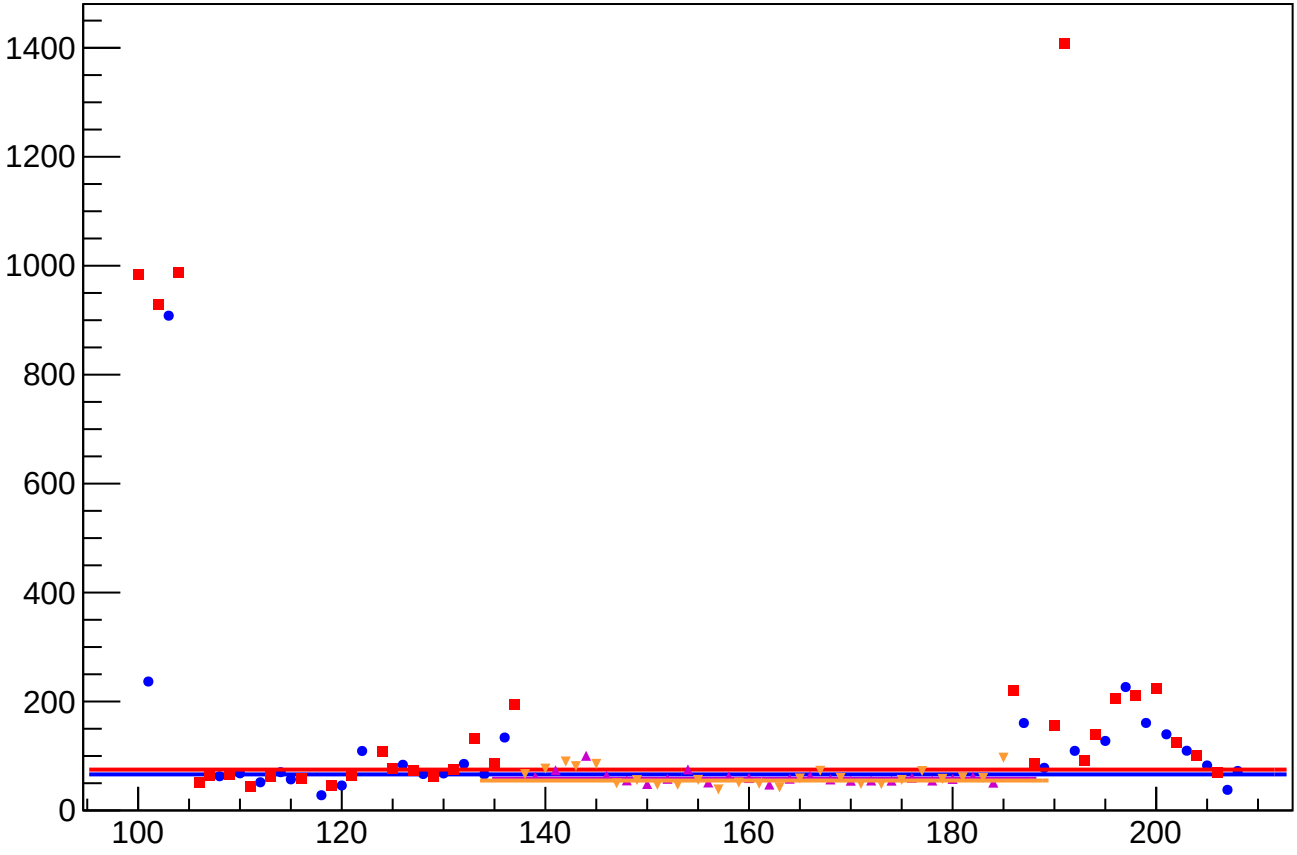
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 52.7/51

All: 0.011+/-0.009 χ^2/NDF: 99.3/105

- sign 0.012+/-0.013 χ^2/NDF: 46.6/53

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 66.201+/-0.015 χ^2/NDF: 6485417.2/26

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 74.993+/-0.017 χ^2/NDF: 6236345.7/30

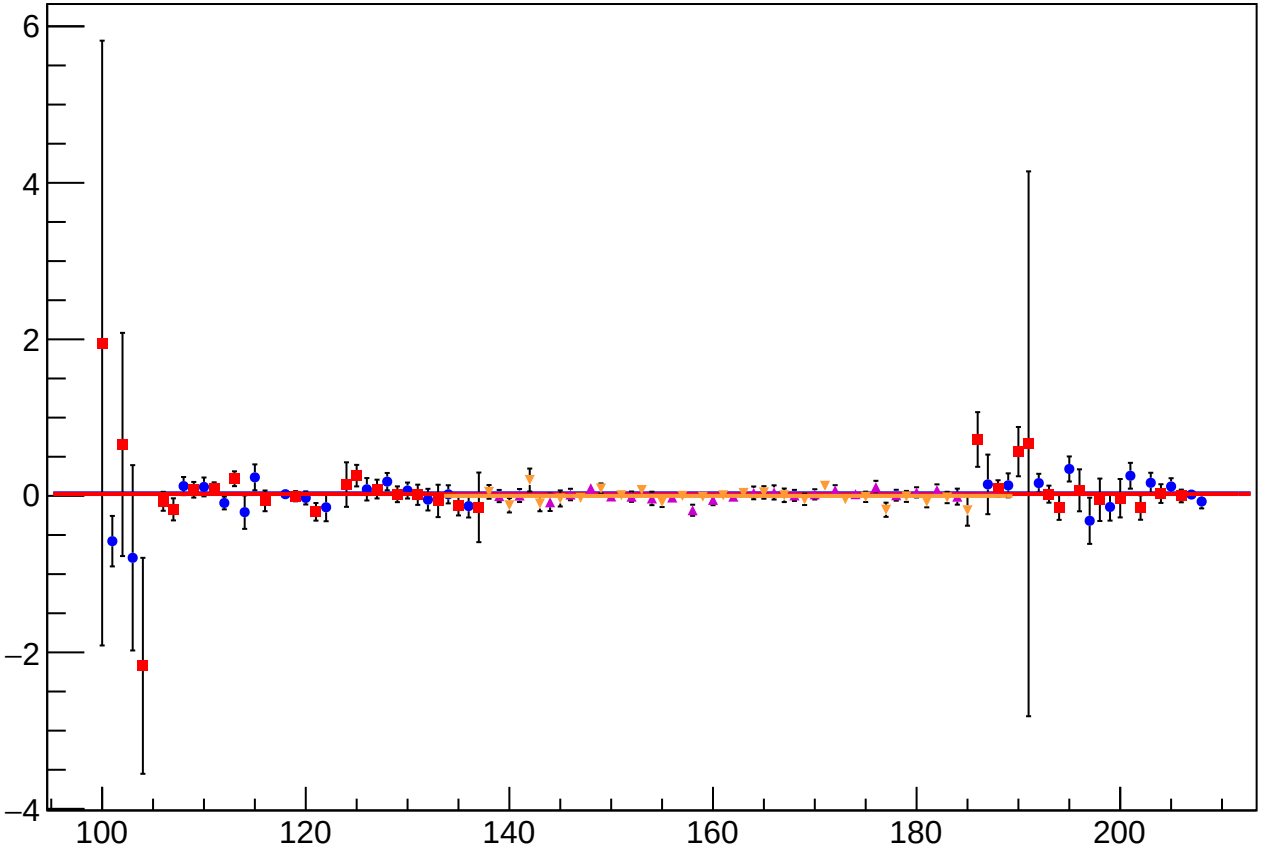
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 58.279+/-0.008 χ^2/NDF: 8163136.0/51

All: 60.470+/-0.006 χ^2/NDF: 15938489.9/105

- sign 62.939+/-0.009 χ^2/NDF: 7629130.6/53

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.033+/-0.022 χ^2/NDF: 28.5/26

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.023+/-0.024 χ^2/NDF: 30.8/30

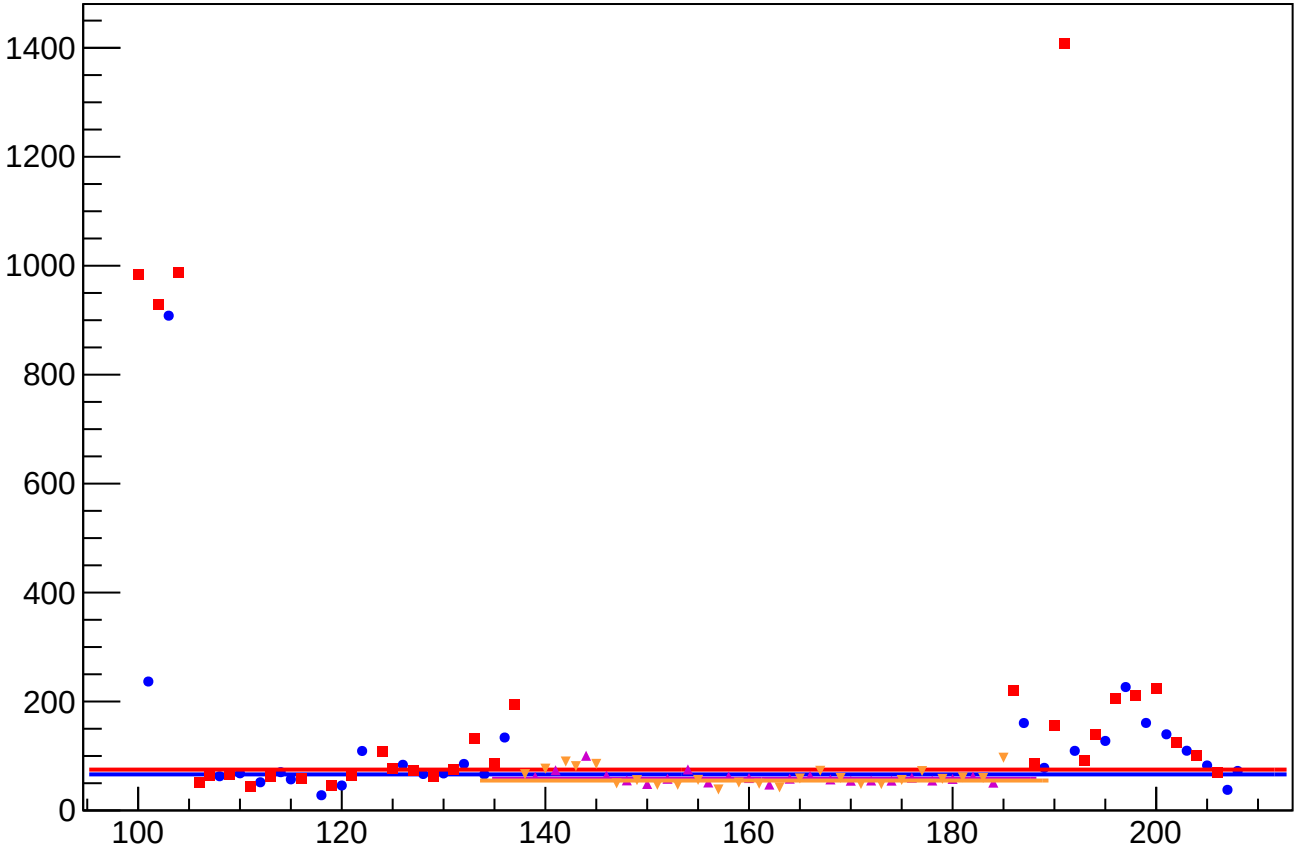
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

\+ sign 0.009+/-0.012 χ^2/NDF: 52.7/51

All: 0.011+/-0.009 χ^2/NDF: 99.3/105

\- sign 0.012+/-0.013 χ^2/NDF: 46.6/53

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.201+/-0.015 χ^2/NDF: 6485417.2/26

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

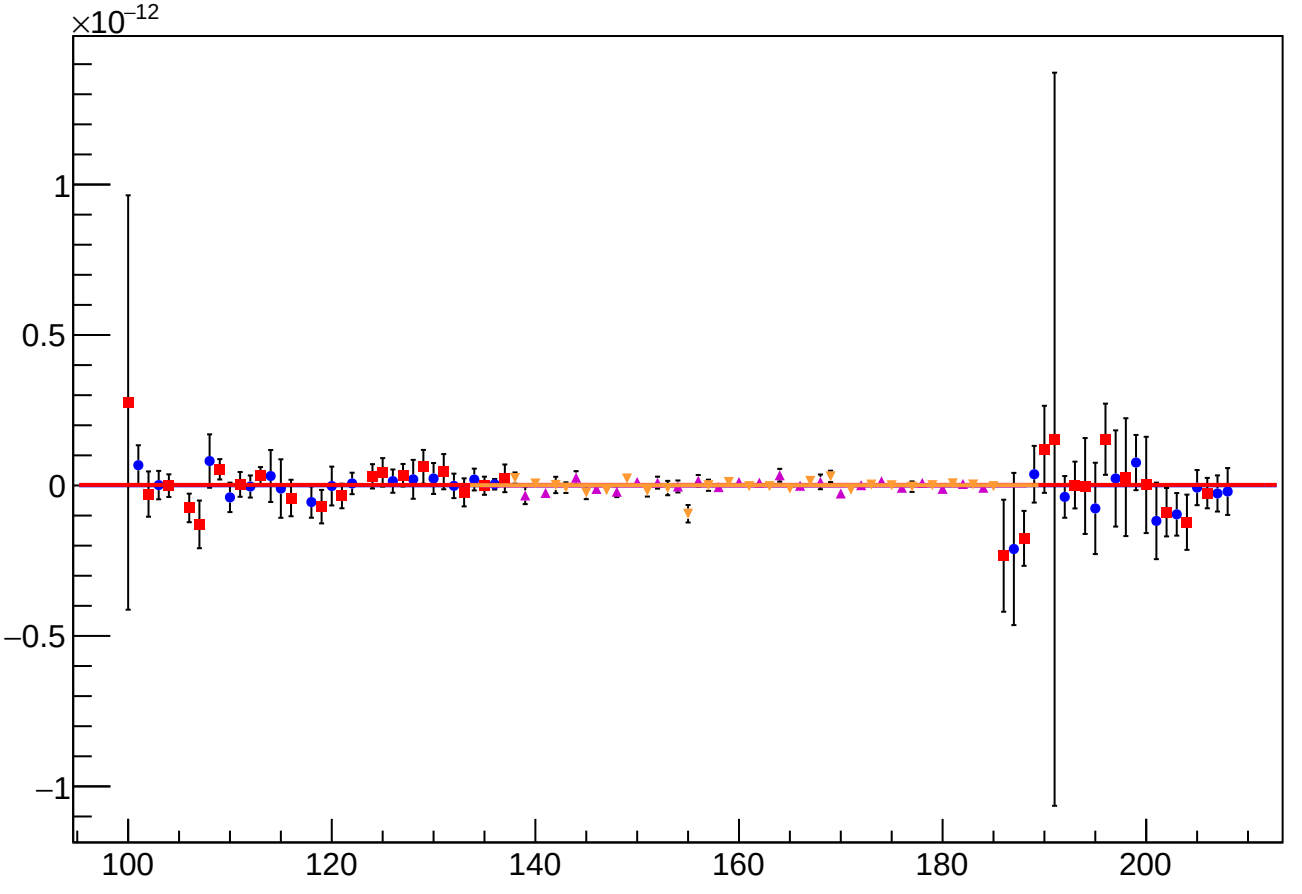
Right Out: 74.993+/-0.017 χ^2/NDF: 6236345.7/30

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 58.279+/-0.008 χ^2/NDF: 8163136.0/51

All: 60.470+/-0.006 χ^2/NDF: 15938489.9/105

- sign 62.939+/-0.009 χ^2/NDF: 7629130.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 9.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.5/30

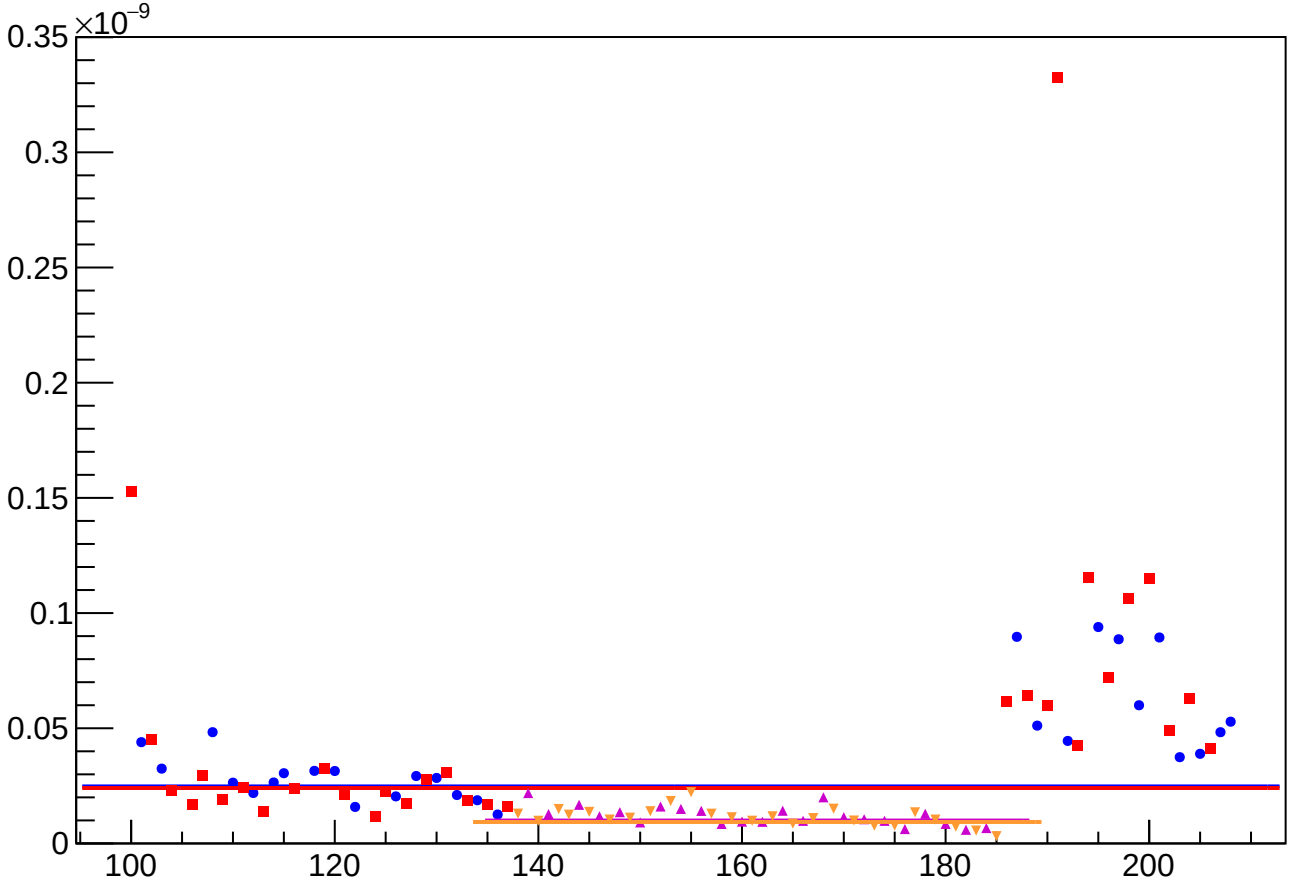
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.0/51

All: 0.000+/-0.000 χ^2/NDF: 82.9/105

- sign -0.000+/-0.000 χ^2/NDF: 47.8/53

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4398659.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4716829.2/30

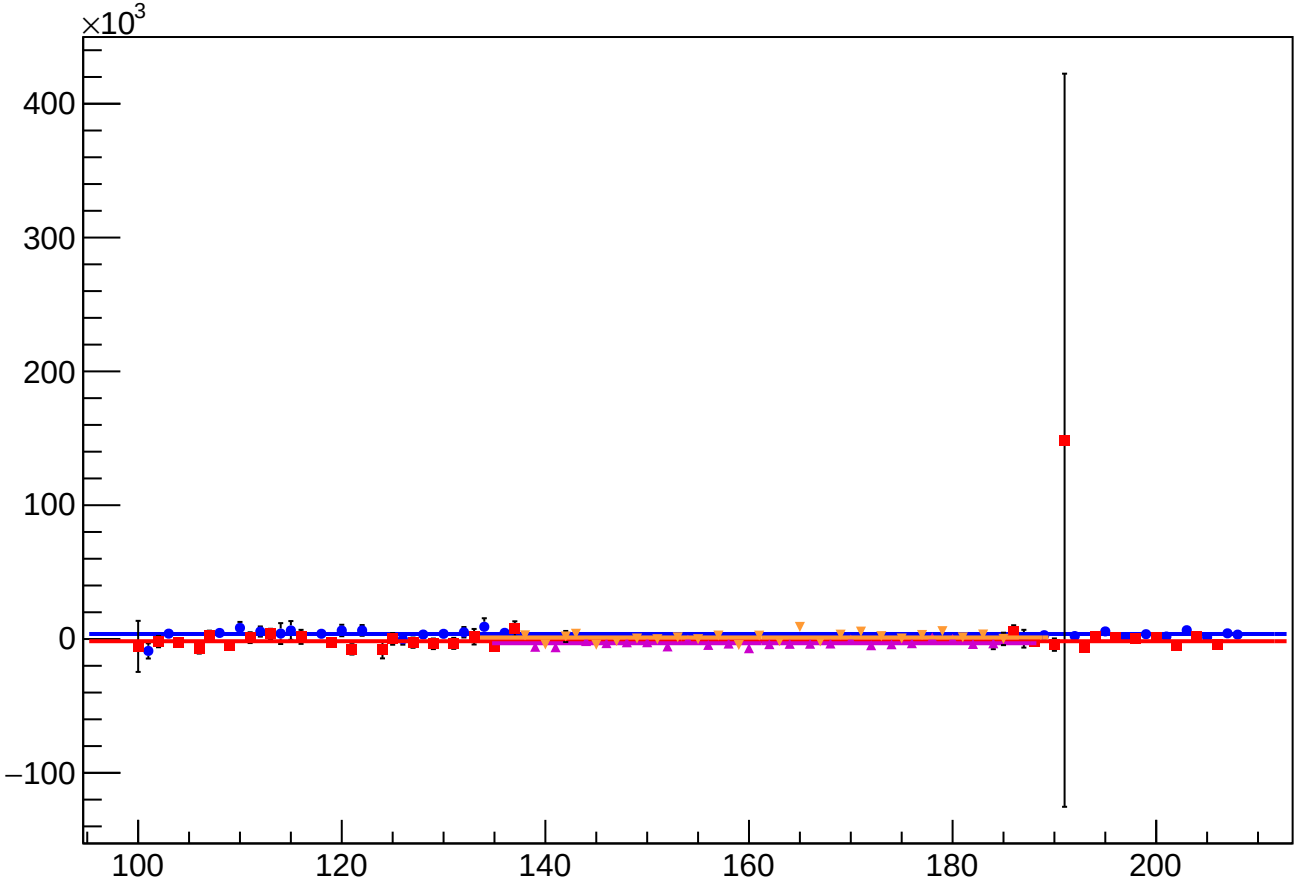
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 12317543.6/51

All: 0.000+/-0.000 χ^2/NDF: 23665511.4/105

- sign 0.000+/-0.000 χ^2/NDF: 11291409.3/53

reg_asym_atr2_mean vs Slug



Right In: 3764.427+/-664.907 χ^2/NDF: 13.0/26

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1636.039+/-656.311 χ^2/NDF: 27.8/30

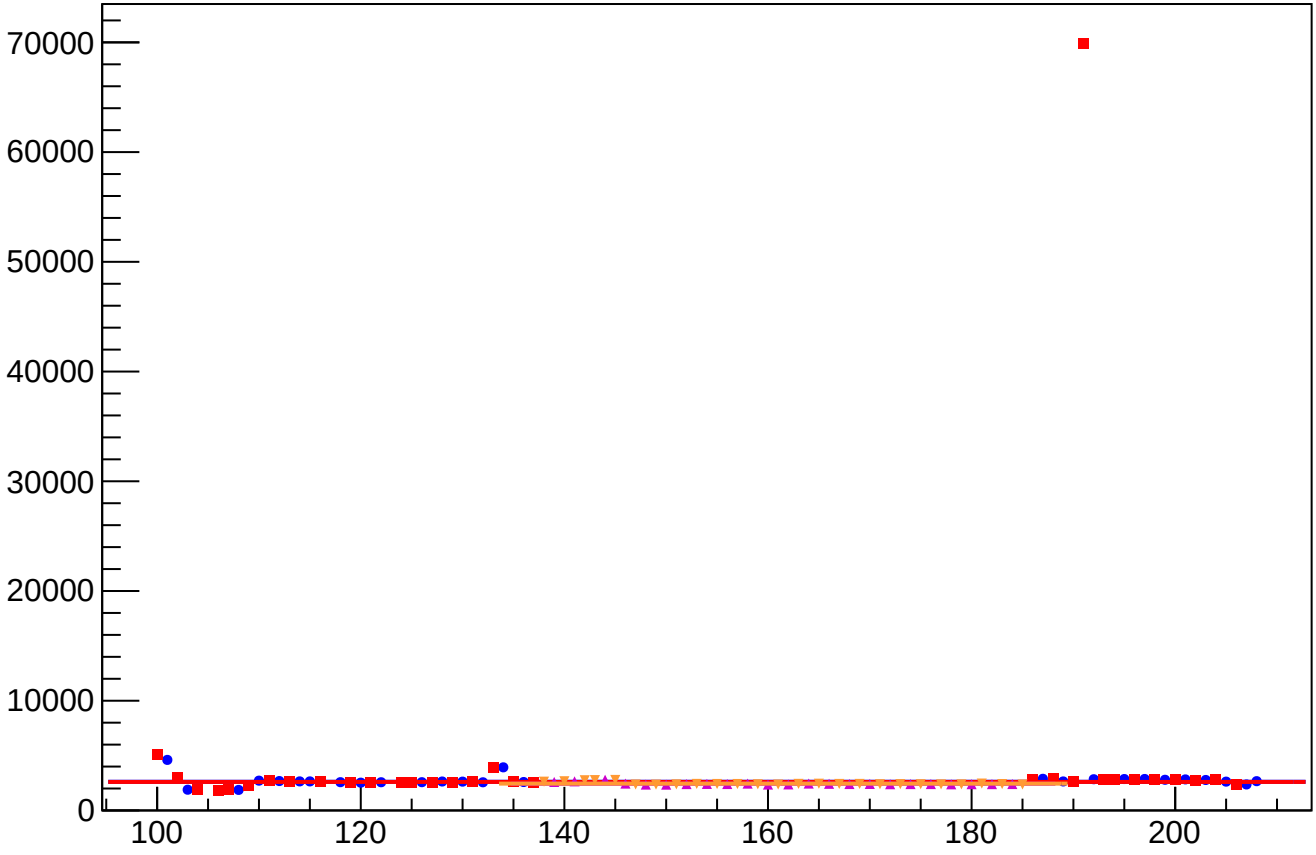
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2249.240+/-426.637 χ^2/NDF: 52.9/51

All: -105.932+/-302.866 χ^2/NDF: 157.8/105

- sign -2498.592+/-430.019 χ^2/NDF: 43.5/53

reg_asym_atr2_rms vs Slug



Right In: 2615.544+/-0.470 χ^2/NDF: 721684.7/26

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2599.291+/-0.464 χ^2/NDF: 754901.9/30

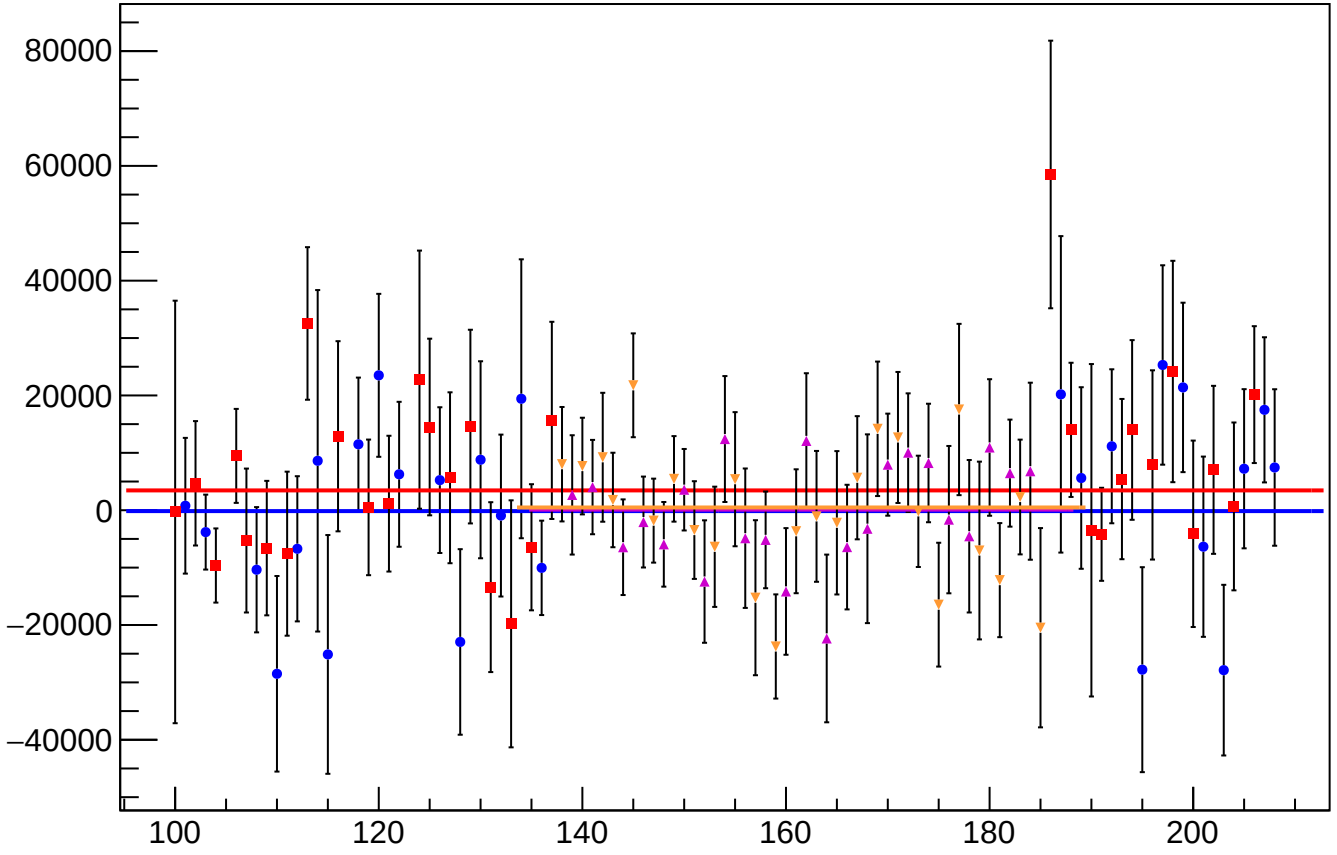
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2515.701+/-0.302 χ^2/NDF: 888357.2/51

All: 2510.924+/-0.214 χ^2/NDF: 1773653.5/10

- sign 2506.072+/-0.304 χ^2/NDF: 884790.9/53

asym_atr2_reg_correction_mean vs Slug



Right In: -152.536+/-2556.261 χ^2/NDF: 28.6/26

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 3452.601+/-2330.086 χ^2/NDF: 28.5/30

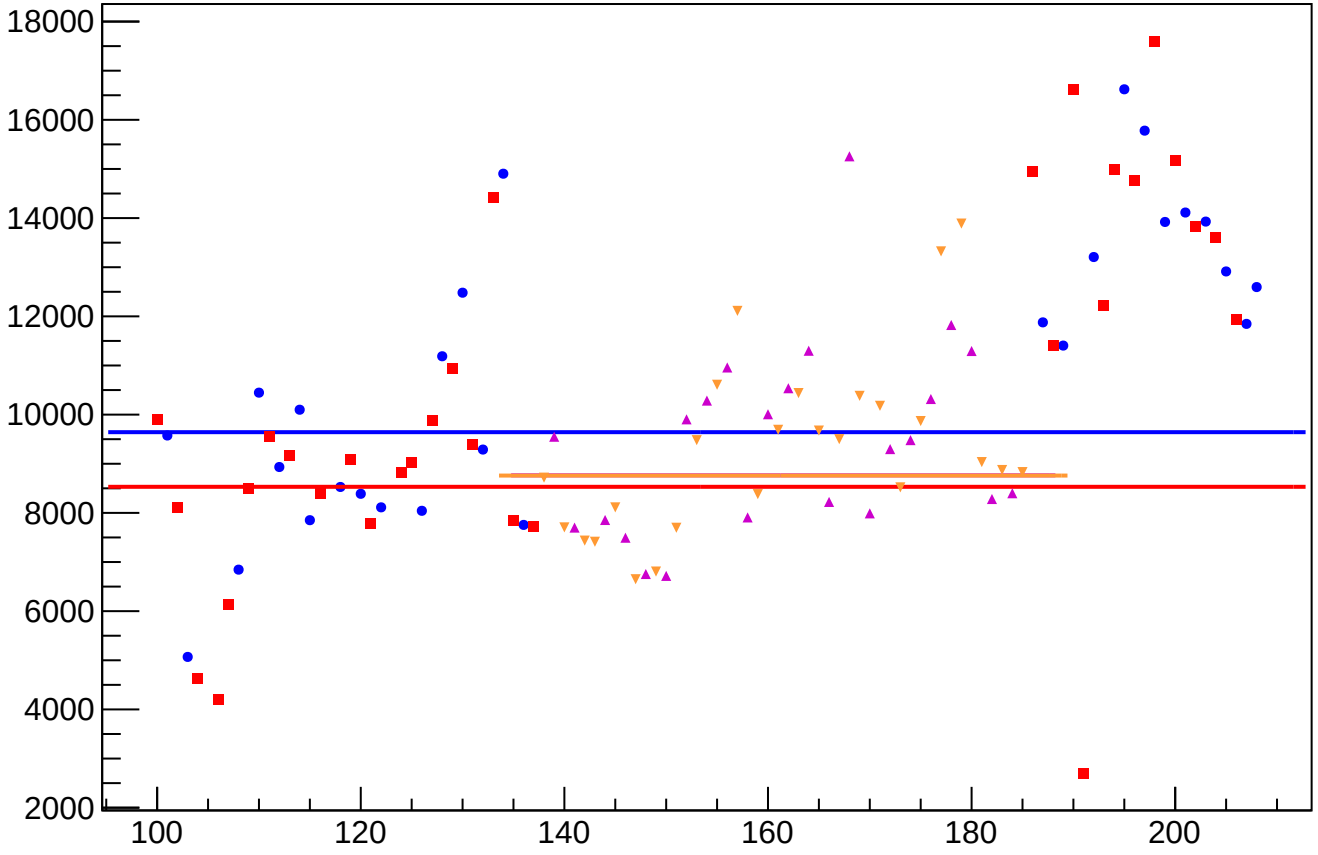
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign 232.768+/-1592.568 χ^2/NDF: 56.0/51

All: 931.246+/-1113.036 χ^2/NDF: 100.5/105

- sign 1598.189+/-1556.203 χ^2/NDF: 44.1/53

asym_atr2_reg_correction_rms vs Slug



Right In: 9642.775+/-1.808 χ^2/NDF: 3004388.7/26

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

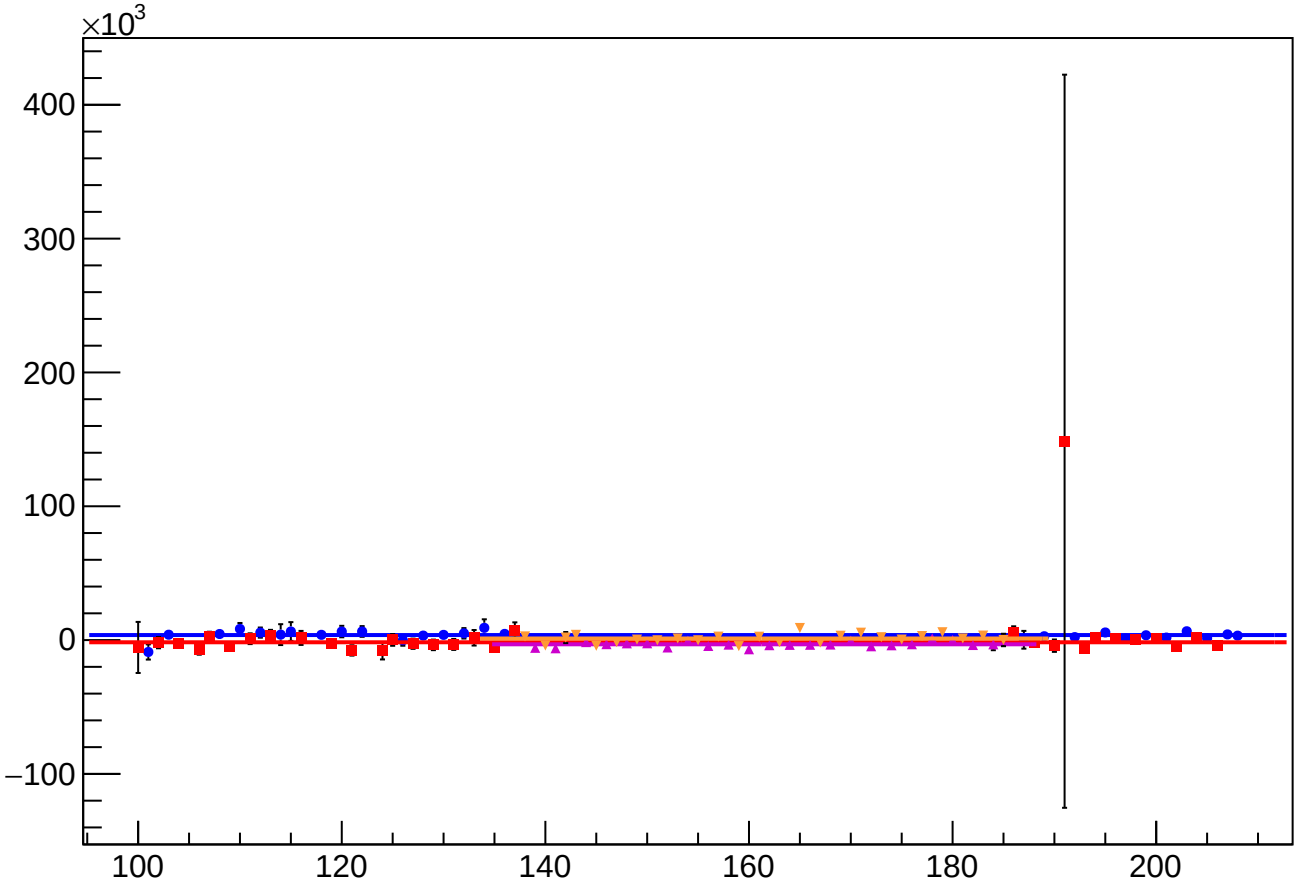
Right Out: 8530.906+/-1.648 χ^2/NDF: 5294195.5/30

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 9102.415+/-1.126 χ^2/NDF: 4372687.1/51

All: 8876.151+/-0.787 χ^2/NDF: 11048599.7/1

- sign 8660.104+/-1.100 χ^2/NDF: 6596994.6/53



Right In: 3764.301+/-664.907 χ^2/NDF: 13.0/26

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1636.380+/-656.314 χ^2/NDF: 27.8/30

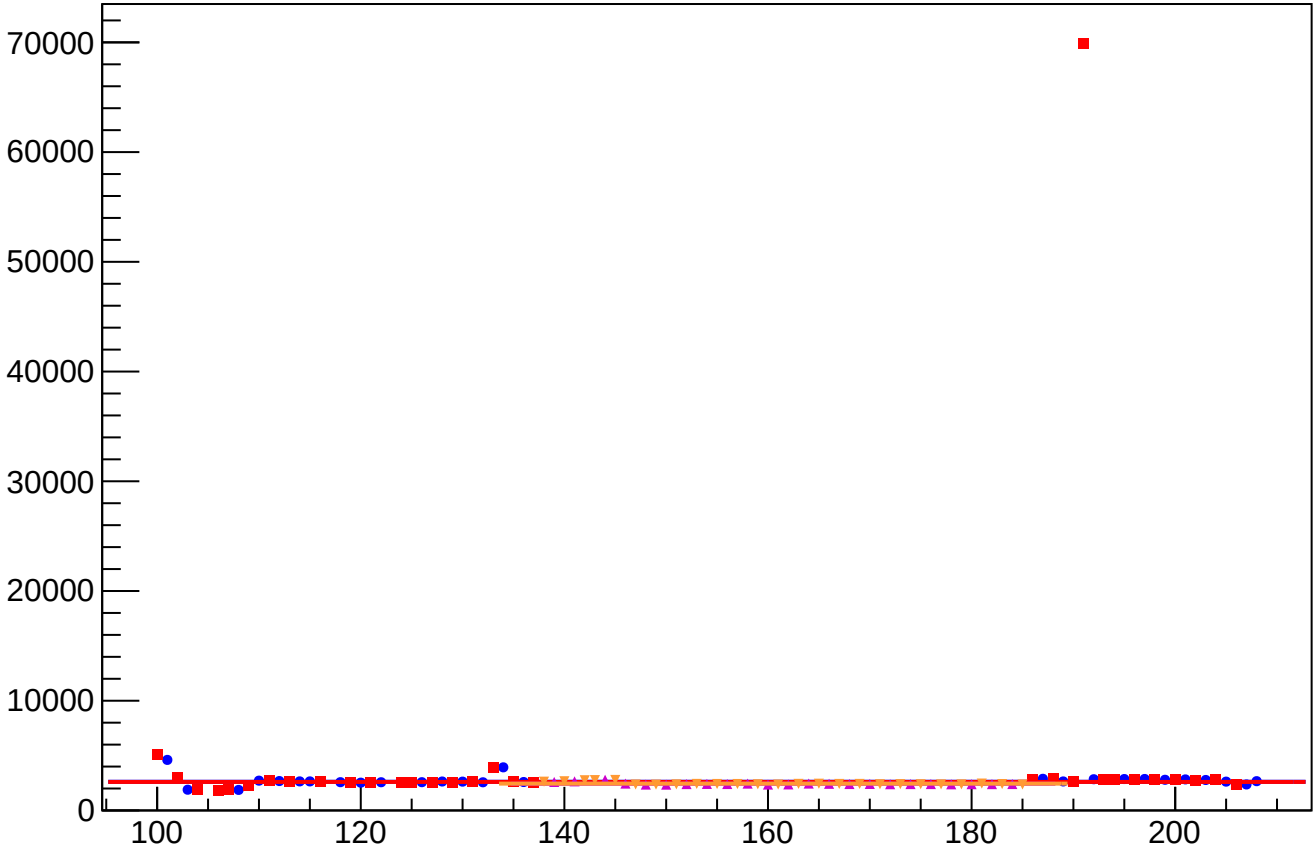
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2249.088+/-426.637 χ^2/NDF: 52.9/51

All: -106.023+/-302.867 χ^2/NDF: 157.9/105

- sign -2498.629+/-430.019 χ^2/NDF: 43.5/53

cor_asym_atr2_rms vs Slug



Right In: 2615.545+/-0.470 χ^2/NDF: 721682.0/26

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2599.305+/-0.464 χ^2/NDF: 754829.5/30

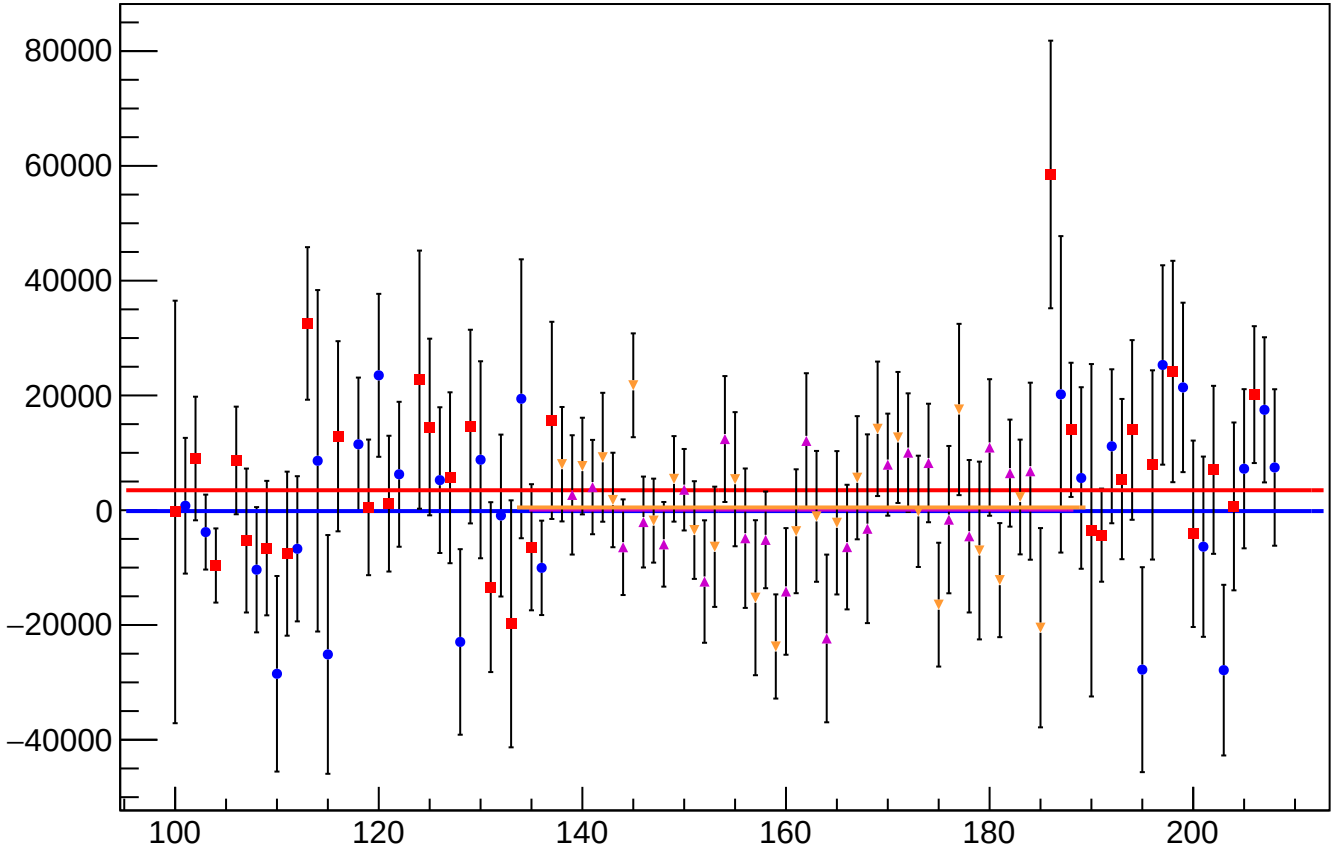
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2515.701+/-0.302 χ^2/NDF: 888354.9/51

All: 2510.927+/-0.214 χ^2/NDF: 1773589.7/10

- sign 2506.077+/-0.304 χ^2/NDF: 884729.9/53

asym_atr2_cor_correction_mean vs Slug



Right In: -152.185+/-2556.312 χ^2/NDF: 28.6/26

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 3479.674+/-2352.245 χ^2/NDF: 28.6/30

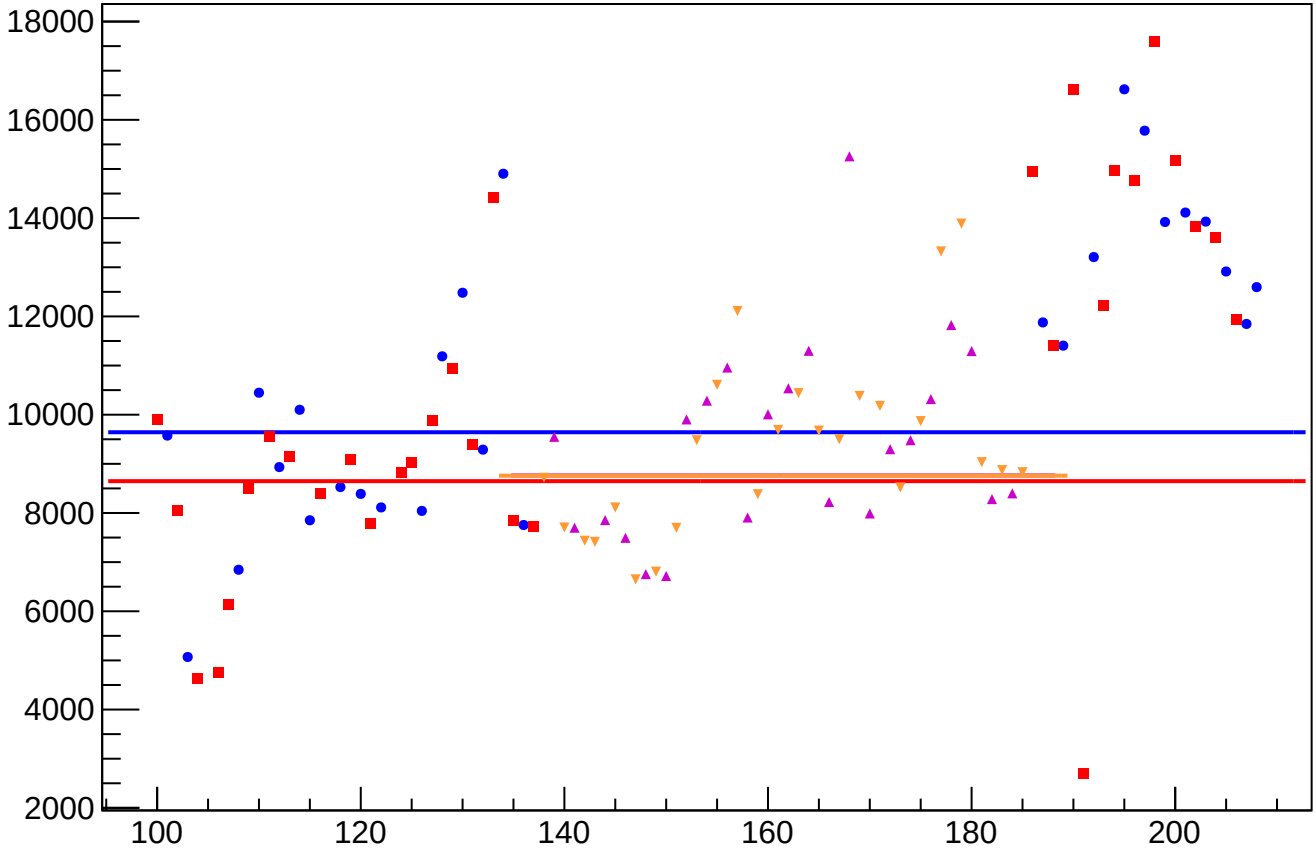
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

\+ sign 232.917+/-1592.579 χ^2/NDF: 56.0/51

All: 926.597+/-1115.429 χ^2/NDF: 100.6/105

\- sign 1594.535+/-1562.752 χ^2/NDF: 44.2/53

asym_atr2_cor_correction_rms vs Slug



Right In: 9643.064+/-1.808 χ^2/NDF: 3003828.7/26

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8647.821+/-1.663 χ^2/NDF: 5052463.1/30

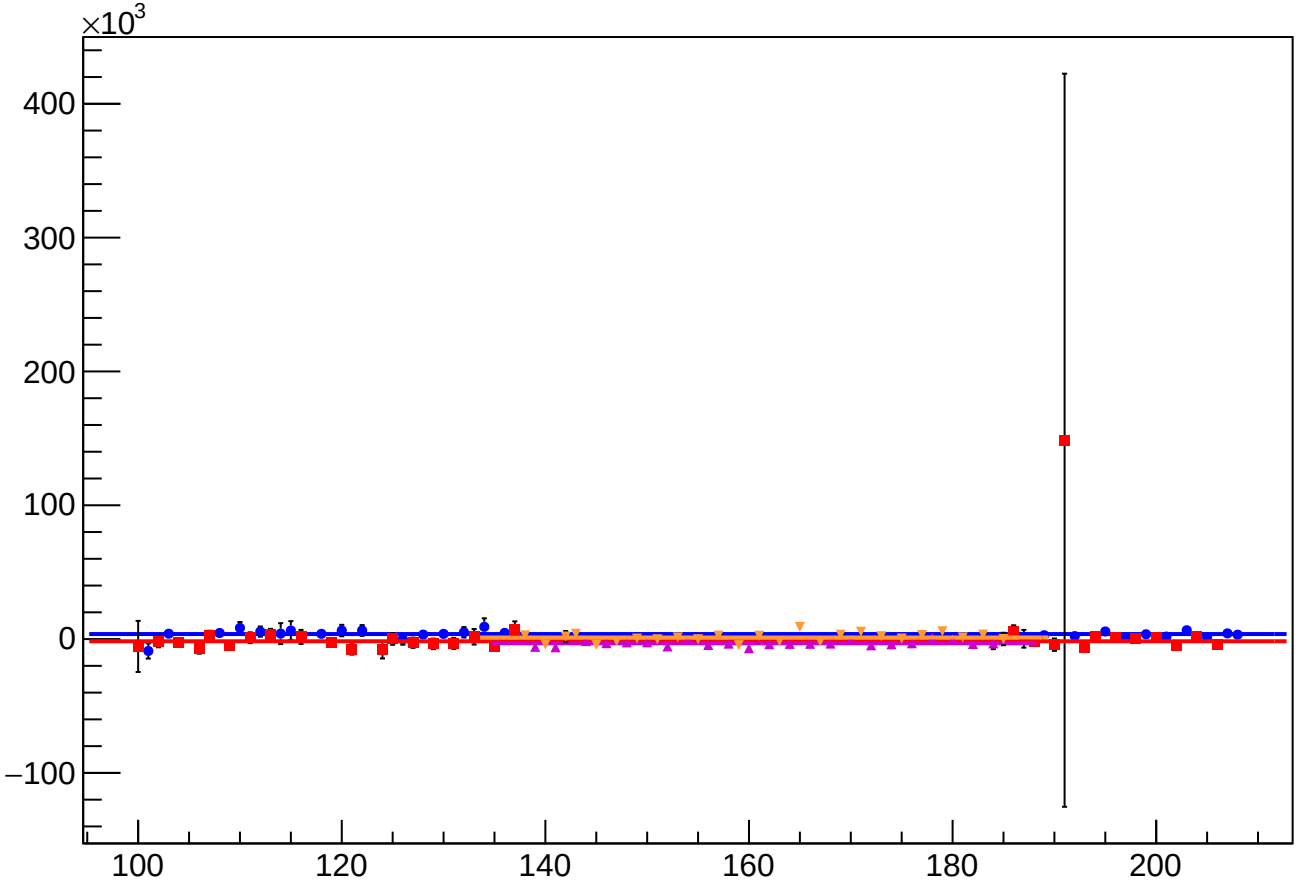
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 9102.512+/-1.126 χ^2/NDF: 4372233.4/51

All: 8903.970+/-0.789 χ^2/NDF: 10780142.9/1

- sign 8712.795+/-1.105 χ^2/NDF: 6346895.1/53

eigen_cor_asym_atr2_mean vs Slug



Right In: 3764.301+/-664.907 χ^2/NDF: 13.0/26

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1636.380+/-656.314 χ^2/NDF: 27.8/30

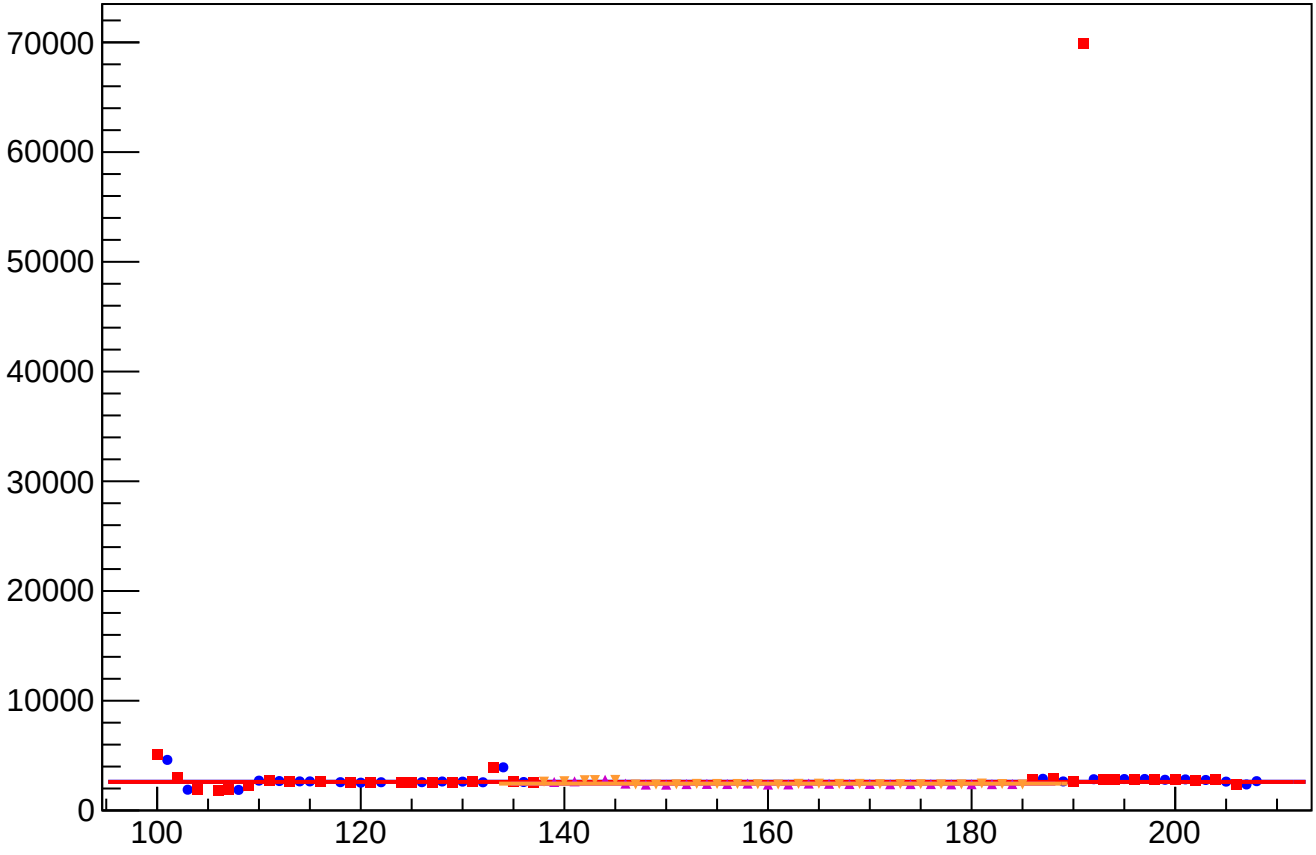
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2249.088+/-426.637 χ^2/NDF: 52.9/51

All: -106.023+/-302.867 χ^2/NDF: 157.9/105

- sign -2498.629+/-430.019 χ^2/NDF: 43.5/53

eigen_cor_asym_atr2_rms vs Slug



Right In: 2615.545+/-0.470 χ^2/NDF: 721682.0/26

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2599.305+/-0.464 χ^2/NDF: 754829.5/30

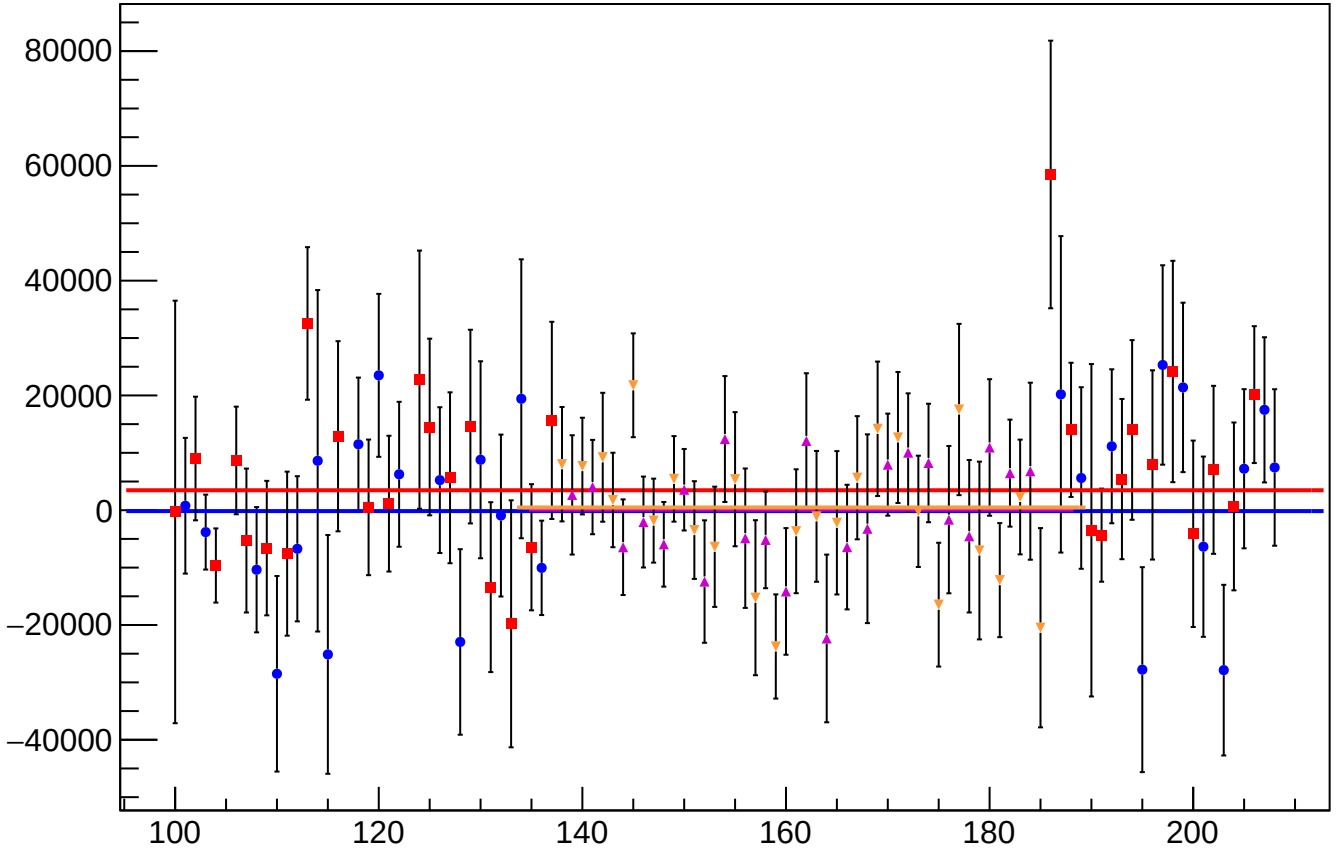
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2515.701+/-0.302 χ^2/NDF: 888354.9/51

All: 2510.927+/-0.214 χ^2/NDF: 1773589.7/10

- sign 2506.077+/-0.304 χ^2/NDF: 884729.9/53

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -152.185+/-2556.312 χ^2/NDF: 28.6/26

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 3479.674+/-2352.245 χ^2/NDF: 28.6/30

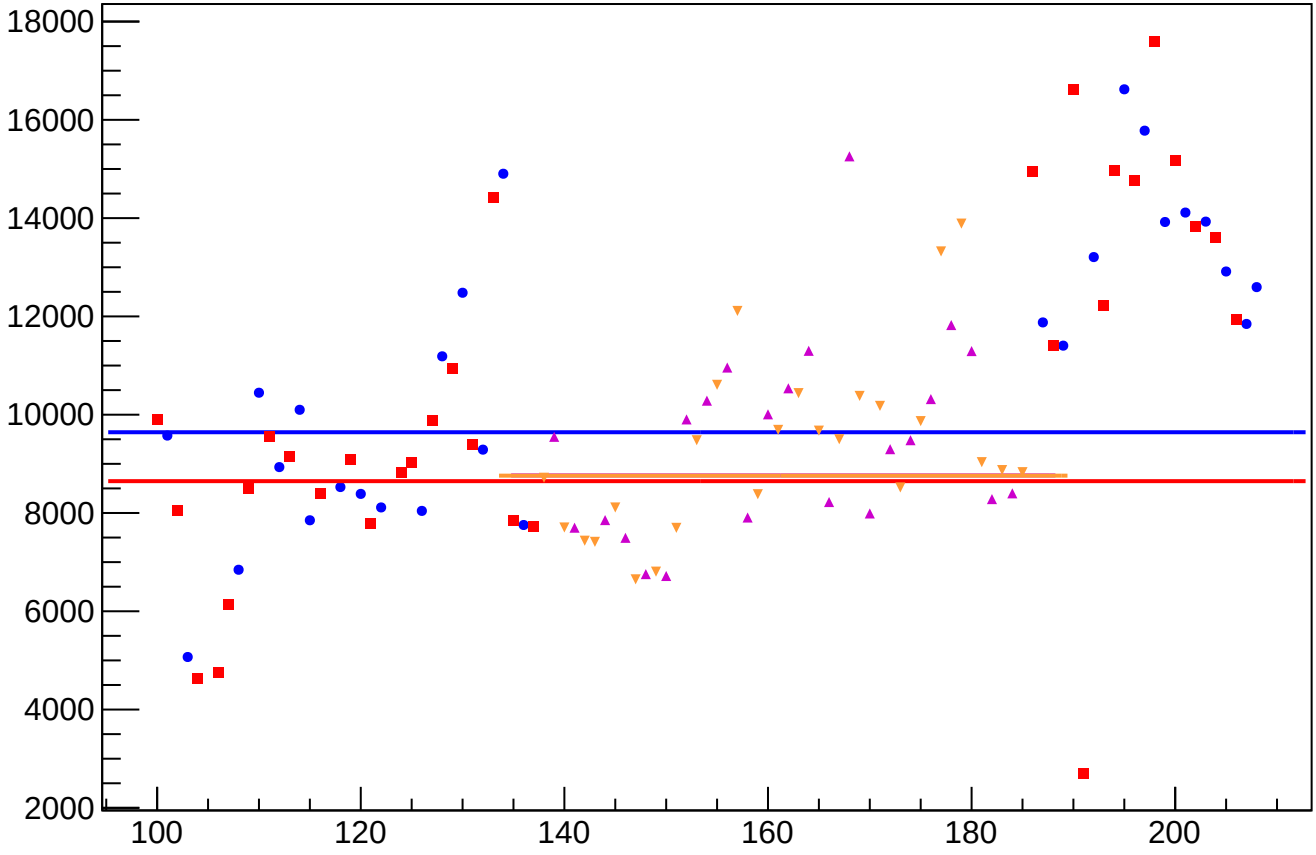
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 232.917+/-1592.579 χ^2/NDF: 56.0/51

All: 926.597+/-1115.429 χ^2/NDF: 100.6/105

- sign 1594.535+/-1562.752 χ^2/NDF: 44.2/53

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 9643.064+/-1.808 χ^2/NDF: 3003828.7/26

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8647.821+/-1.663 χ^2/NDF: 5052463.1/30

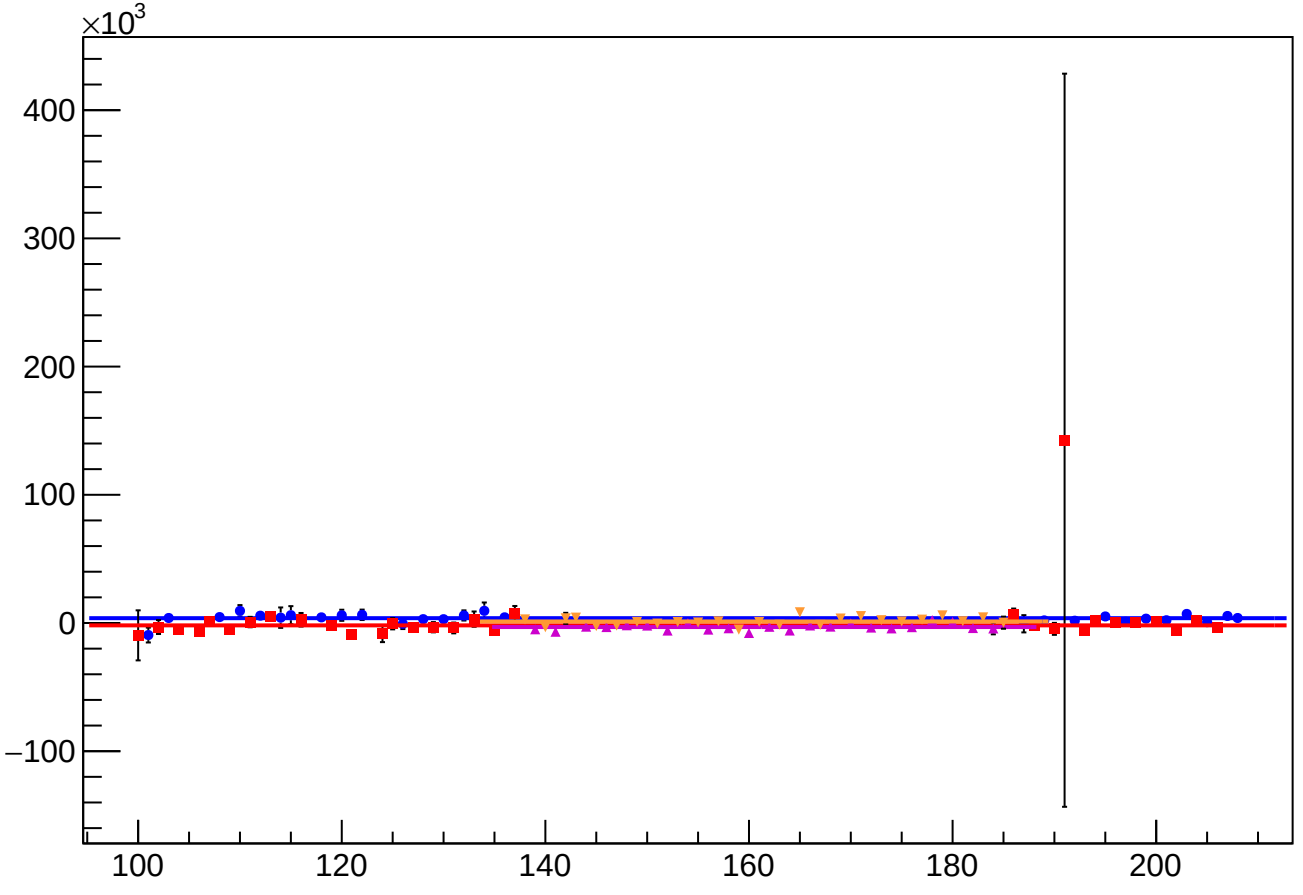
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 9102.512+/-1.126 χ^2/NDF: 4372233.4/51

All: 8903.970+/-0.789 χ^2/NDF: 10780142.9/1

- sign 8712.795+/-1.105 χ^2/NDF: 6346895.1/53

dit_asym_atr2_mean vs Slug



Right In: 3761.259+/-684.750 χ^2/NDF: 15.4/26

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1850.492+/-678.747 χ^2/NDF: 31.6/30

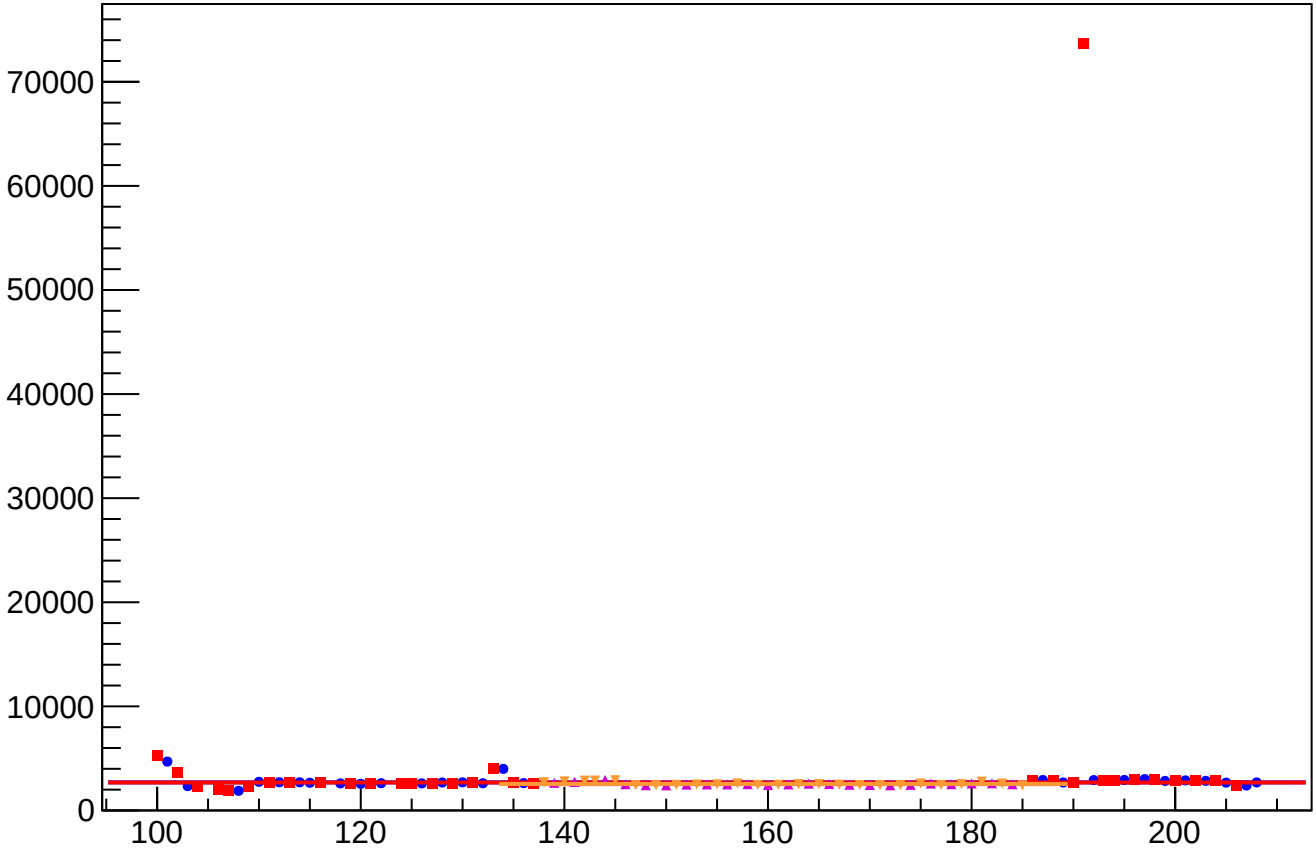
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2277.368+/-442.438 χ^2/NDF: 50.3/51

All: -135.028+/-314.171 χ^2/NDF: 160.4/105

- sign -2588.570+/-446.195 χ^2/NDF: 50.2/53

dit_asym_atr2_rms vs Slug



Right In: 2699.019+/-0.484 χ^2/NDF: 583675.6/26

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2686.823+/-0.480 χ^2/NDF: 666855.1/30

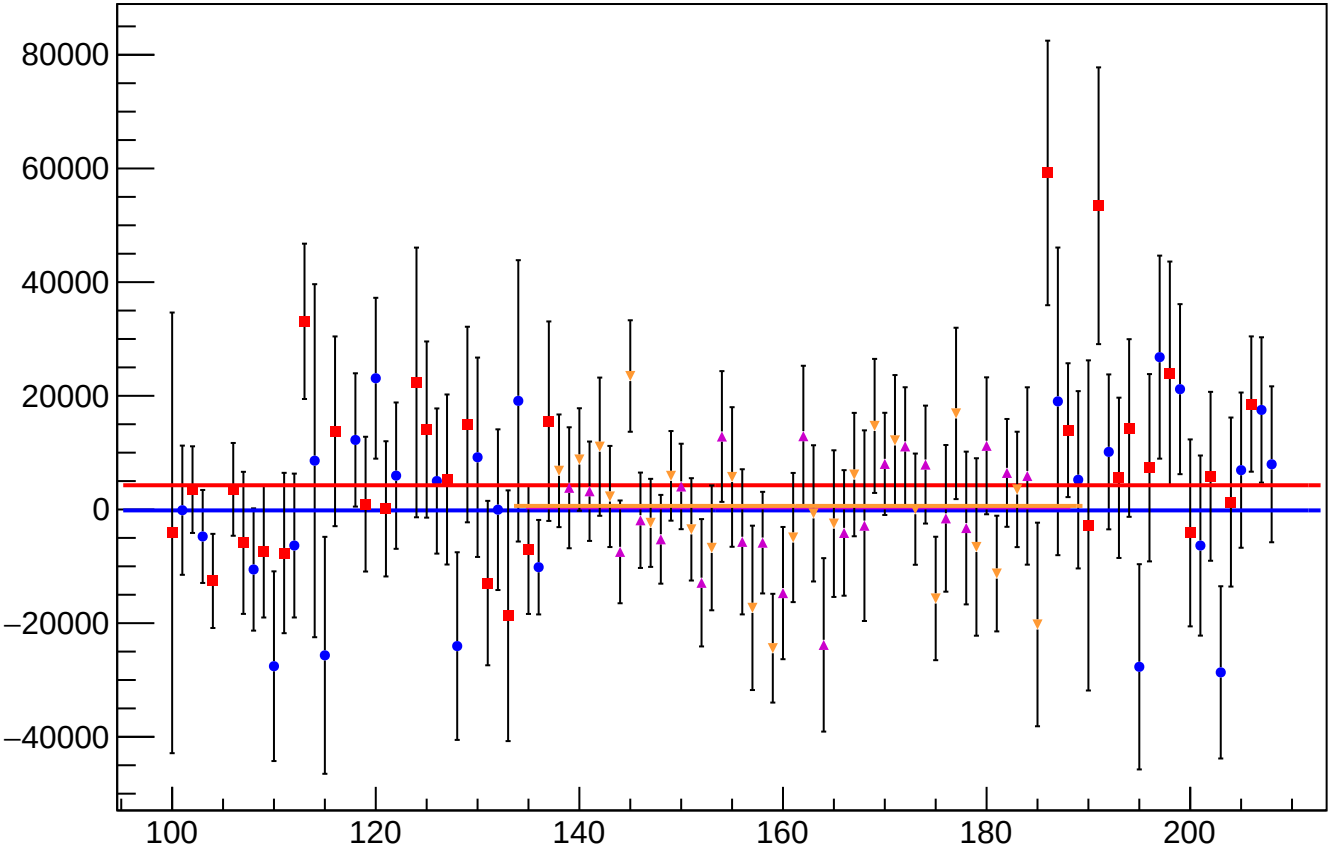
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2610.556+/-0.313 χ^2/NDF: 758278.9/51

All: 2605.008+/-0.222 χ^2/NDF: 1552731.5/10

- sign 2599.367+/-0.315 χ^2/NDF: 793818.4/53

asym_atr2_dit_correction_mean vs Slug



Right In: -160.080+/-2638.716 χ^2/NDF: 28.4/26

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 4263.194+/-2437.798 χ^2/NDF: 30.4/30

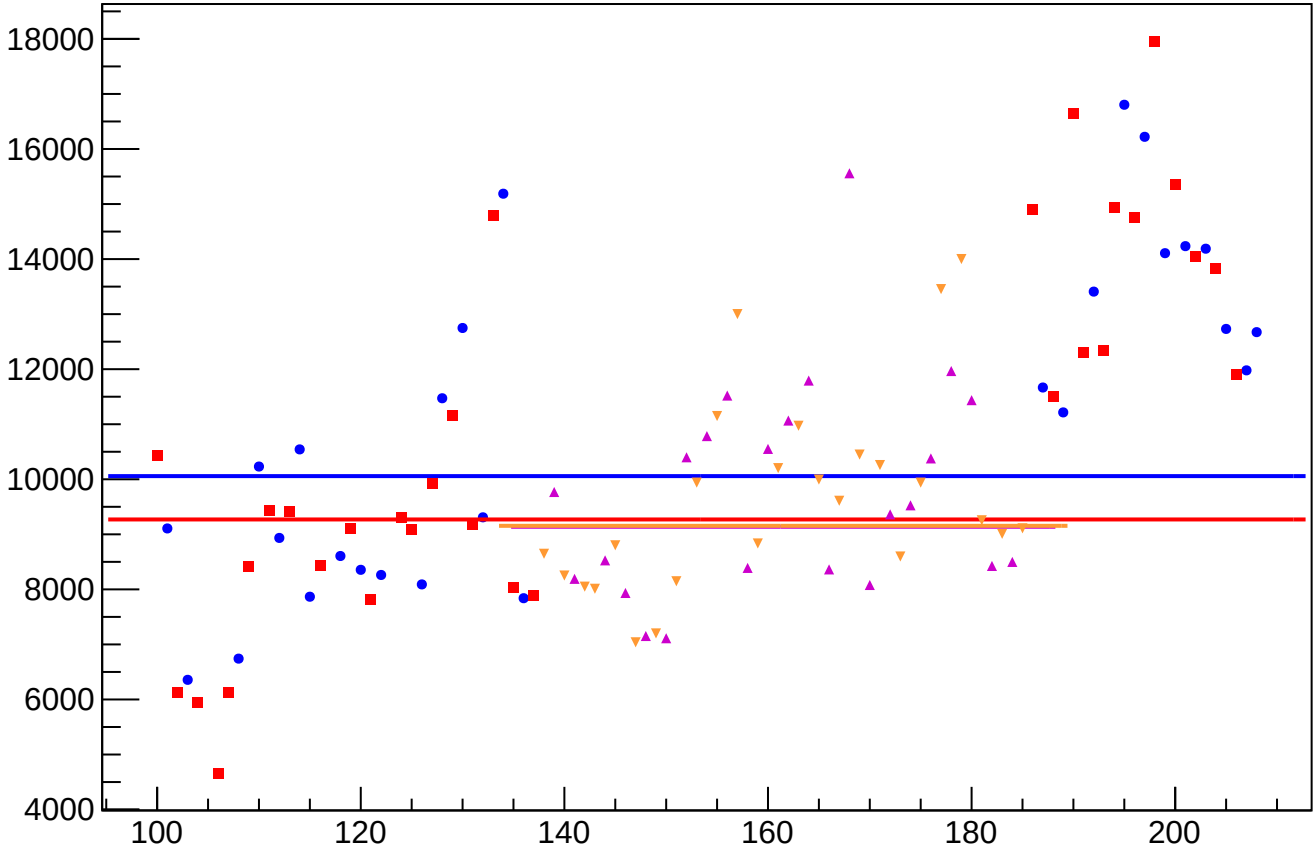
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign 320.345+/-1654.148 χ^2/NDF: 55.2/51

All: 1227.375+/-1158.673 χ^2/NDF: 101.8/105

- sign 2101.111+/-1623.505 χ^2/NDF: 46.1/53

asym_atr2_dit_correction_rms vs Slug



Right In: 10057.596+/-1.866 χ^2/NDF: 2378740.7/26

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9270.175+/-1.724 χ^2/NDF: 3750438.7/30

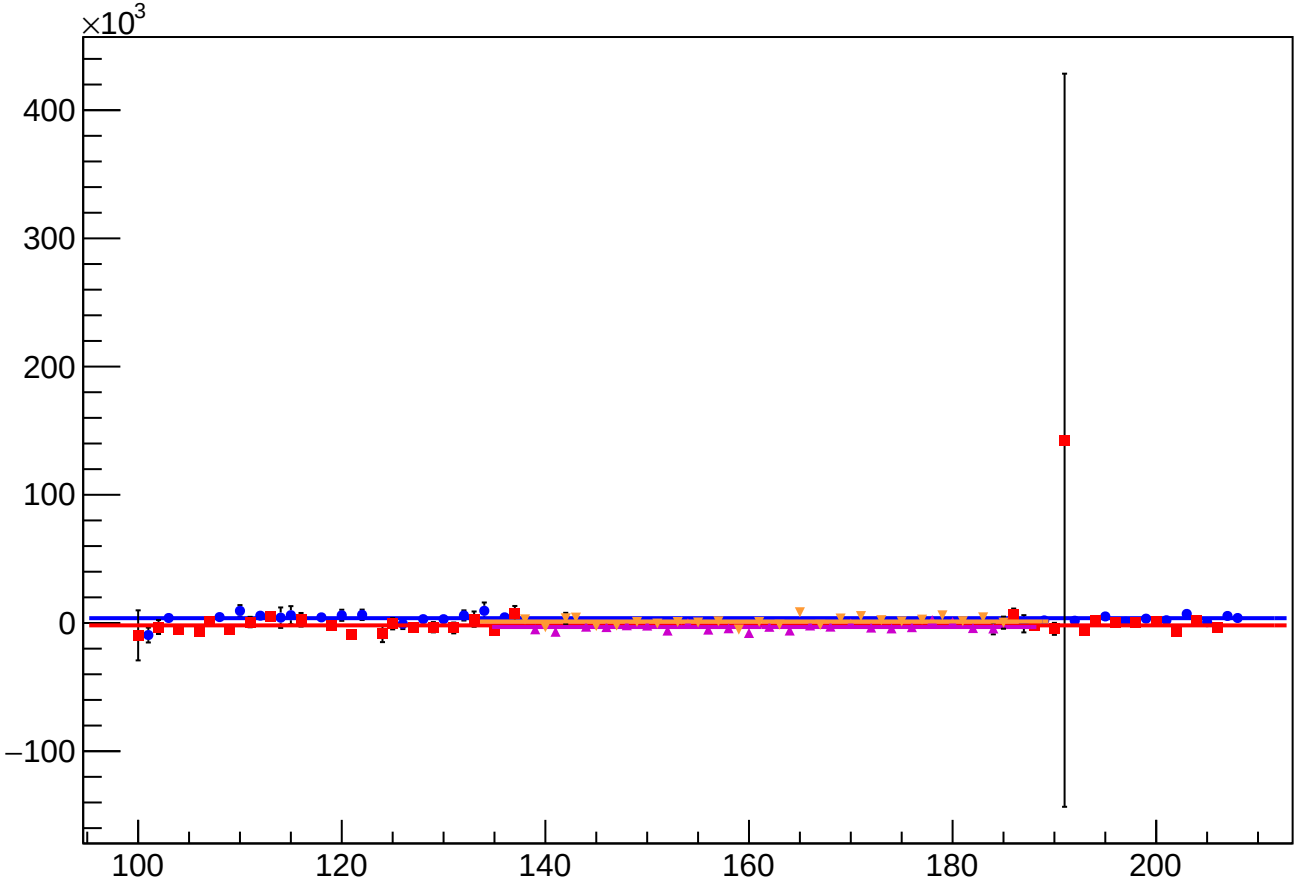
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 9509.507+/-1.170 χ^2/NDF: 3592962.2/51

All: 9350.019+/-0.819 χ^2/NDF: 8555988.2/10

- sign 9196.386+/-1.148 χ^2/NDF: 4926523.7/53

eigen_dit_asym_atr2_mean vs Slug



Right In: 3761.257+/-684.750 χ^2/NDF: 15.4/26

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1850.492+/-678.747 χ^2/NDF: 31.6/30

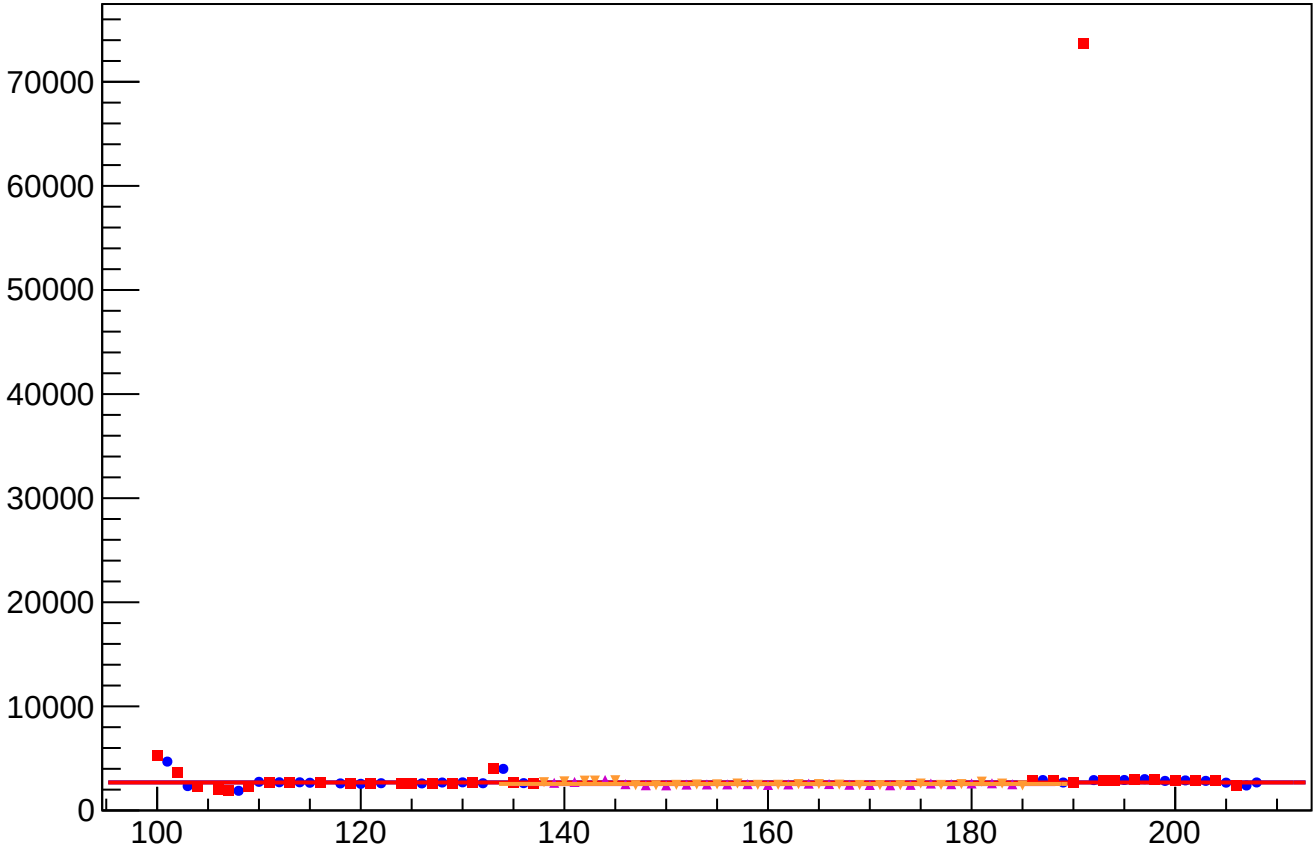
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2277.361+/-442.438 χ^2/NDF: 50.3/51

All: -135.030+/-314.171 χ^2/NDF: 160.4/105

- sign -2588.569+/-446.195 χ^2/NDF: 50.2/53

eigen_dit_asym_atr2_rms vs Slug



Right In: 2699.019+/-0.484 χ^2/NDF: 583676.2/26

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2686.823+/-0.480 χ^2/NDF: 666855.3/30

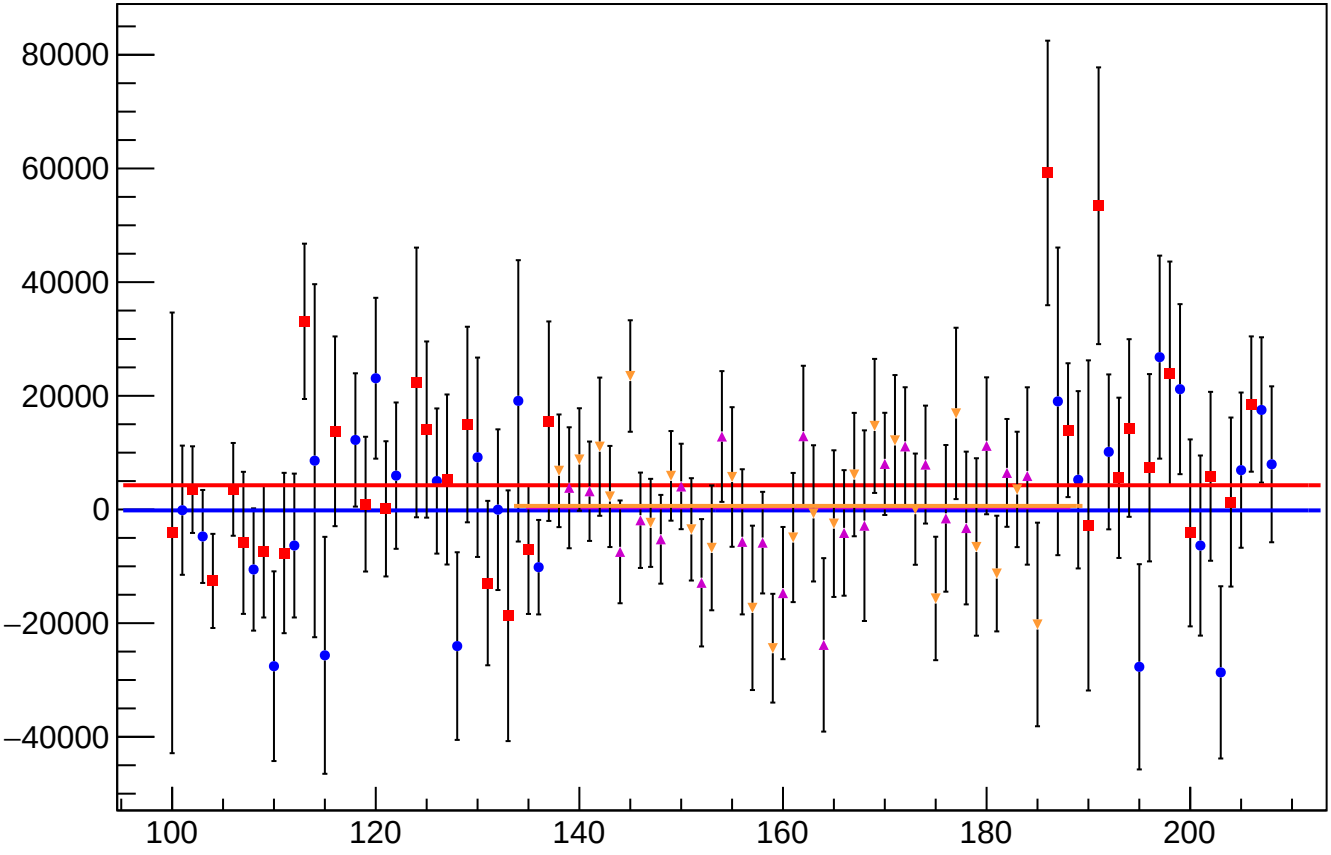
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2610.556+/-0.313 χ^2/NDF: 758277.8/51

All: 2605.009+/-0.222 χ^2/NDF: 1552729.0/10

- sign 2599.368+/-0.315 χ^2/NDF: 793817.0/53

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -160.064+/-2638.715 χ^2/NDF: 28.4/26

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 4263.183+/-2437.796 χ^2/NDF: 30.4/30

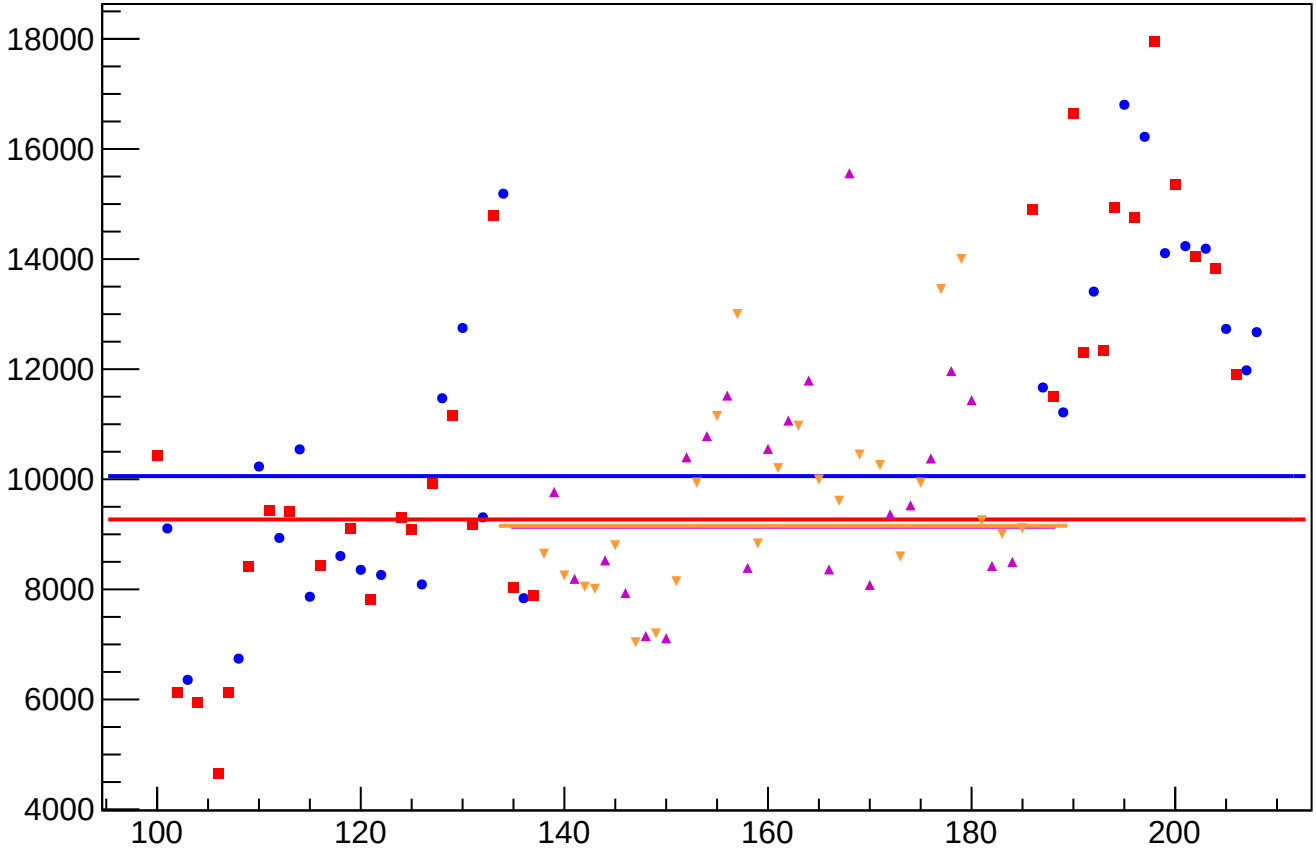
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign 320.348+/-1654.150 χ^2/NDF: 55.2/51

All: 1227.378+/-1158.674 χ^2/NDF: 101.8/105

- sign 2101.114+/-1623.505 χ^2/NDF: 46.1/53

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 10057.590+/-1.866 χ^2/NDF: 2378752.7/26

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9270.164+/-1.724 χ^2/NDF: 3750454.4/30

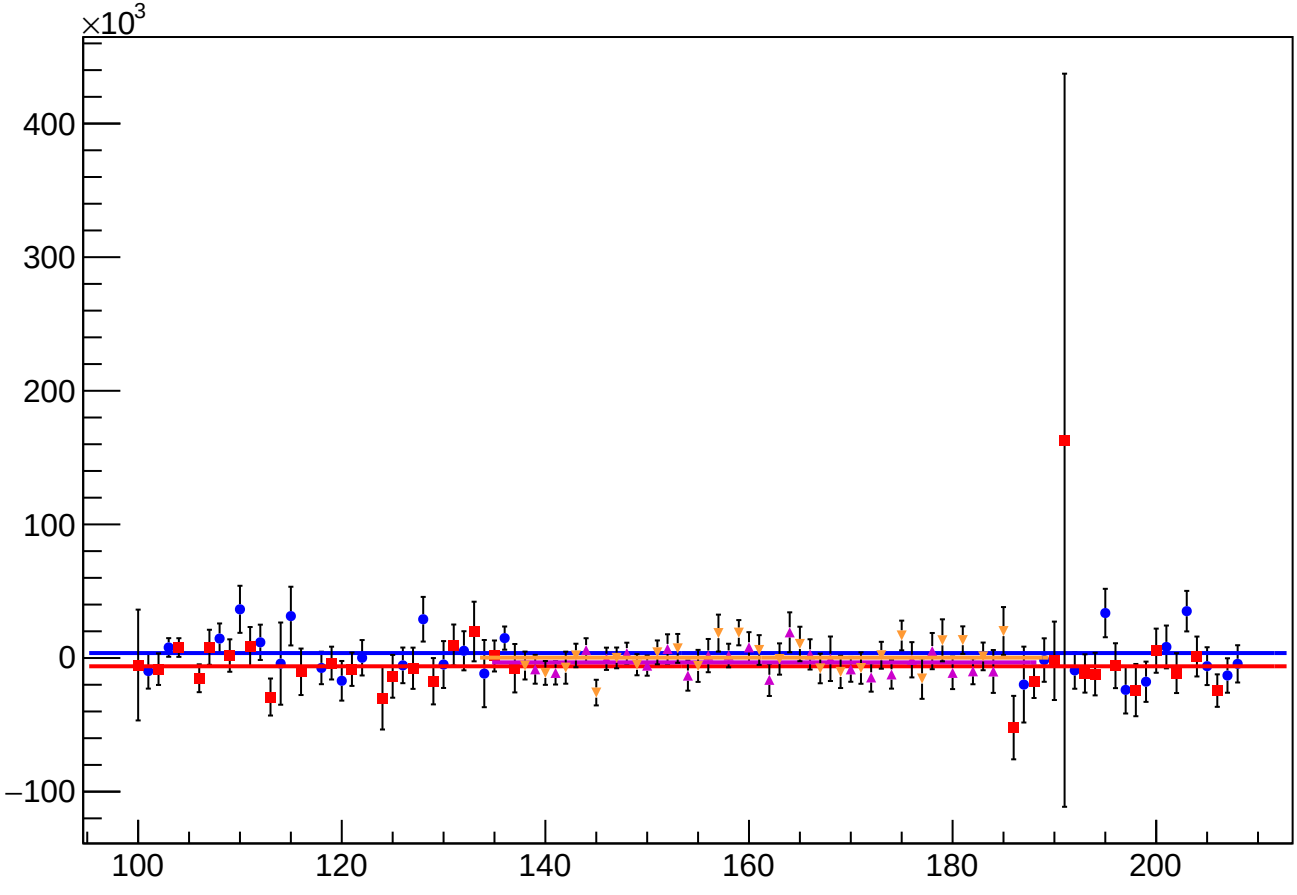
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9509.514+/-1.170 χ^2/NDF: 3592969.3/51

All: 9350.025+/-0.819 χ^2/NDF: 8556014.6/10

- sign 9196.389+/-1.148 χ^2/NDF: 4926542.0/53

asym_atr2_mean vs Slug



Right In: 3715.149+/-2666.405 χ^2/NDF: 31.5/26

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -6186.200+/-2579.088 χ^2/NDF: 24.1/30

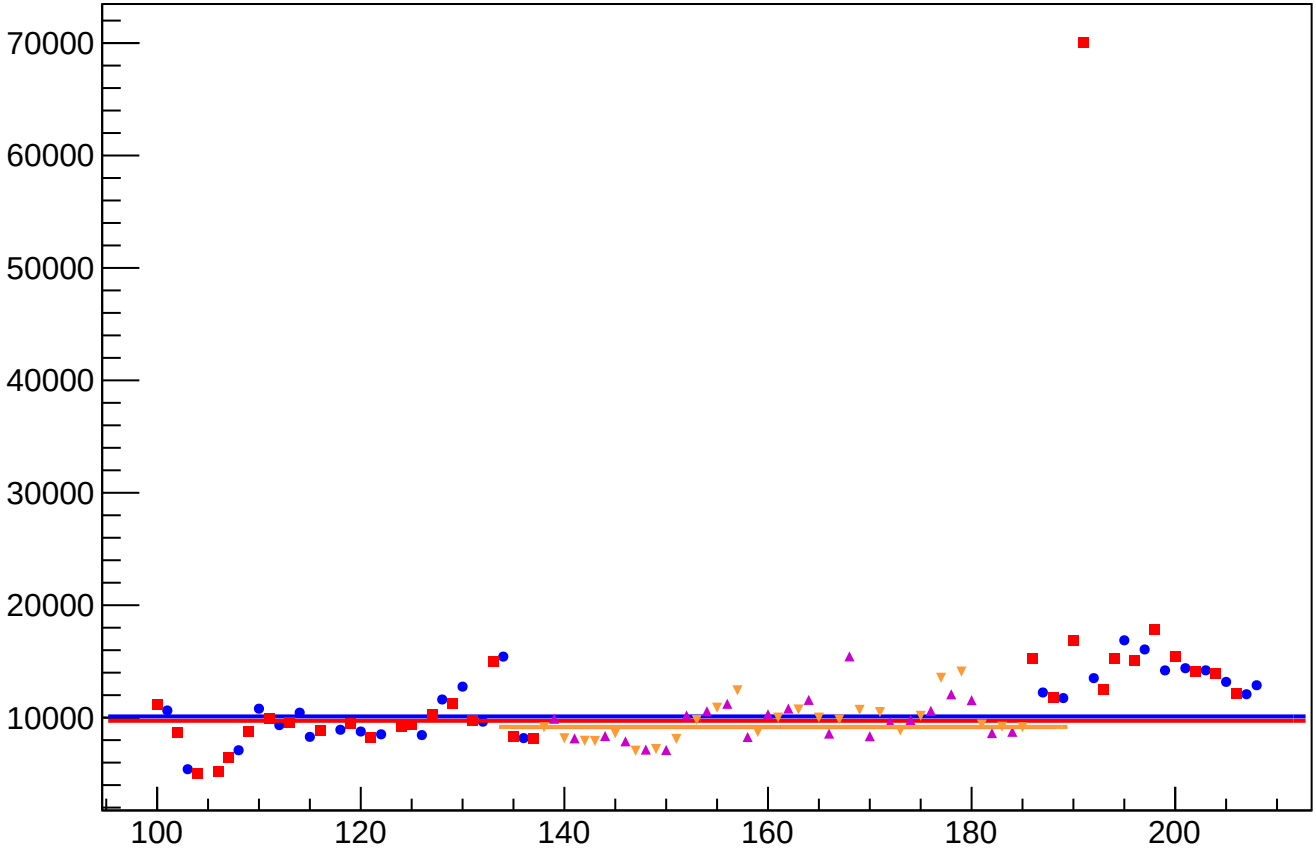
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1623.803+/-1661.996 χ^2/NDF: 58.8/51

All: -1414.866+/-1176.215 χ^2/NDF: 103.9/10

- sign -4463.966+/-1664.847 χ^2/NDF: 38.4/53

asym_atr2_rms vs Slug



Right In: 10108.444+/-1.885 χ^2/NDF: 2741329.8/26

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 9720.062+/-1.824 χ^2/NDF: 3577132.4/30

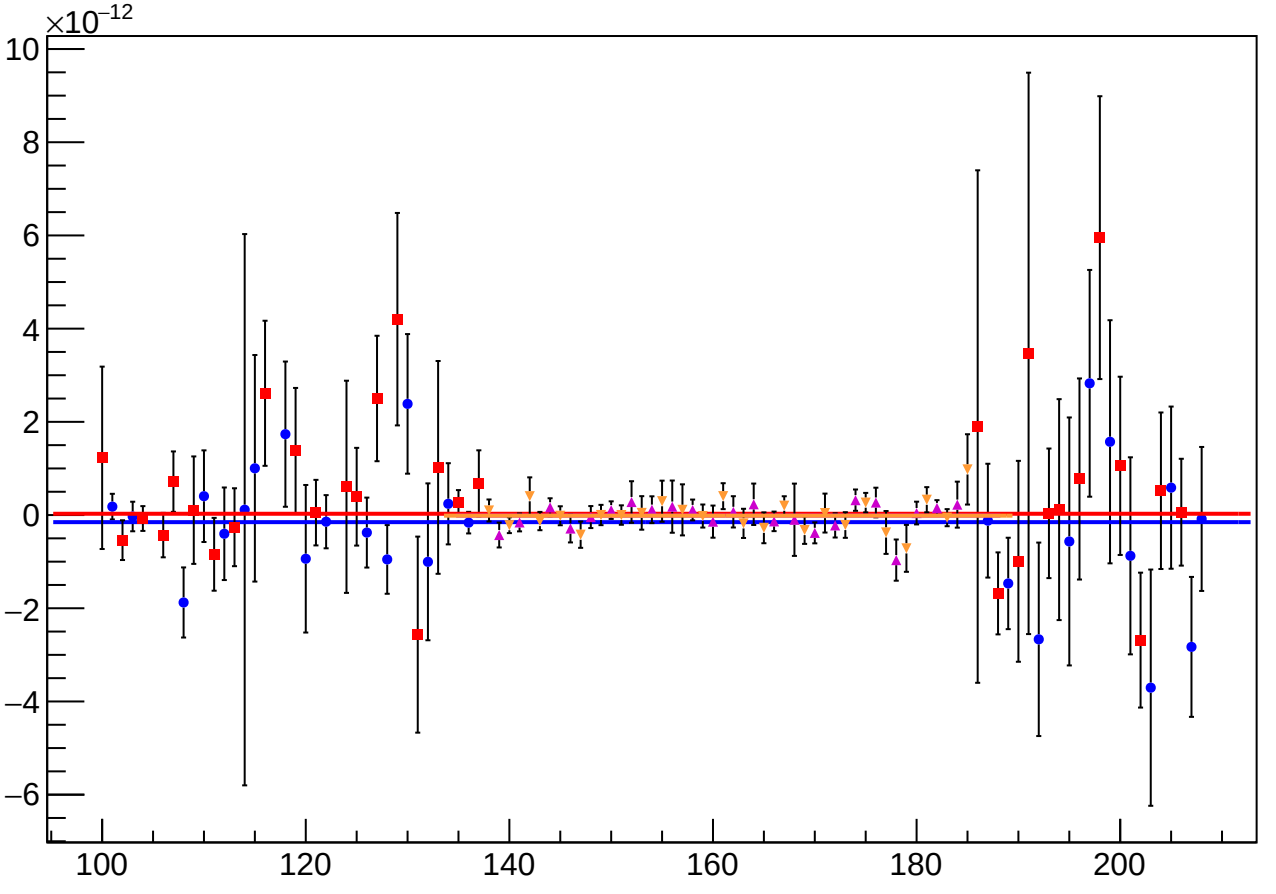
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9536.328+/-1.175 χ^2/NDF: 3948854.4/51

All: 9465.638+/-0.832 χ^2/NDF: 8715337.1/10

- sign 9394.708+/-1.177 χ^2/NDF: 4759234.2/53

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

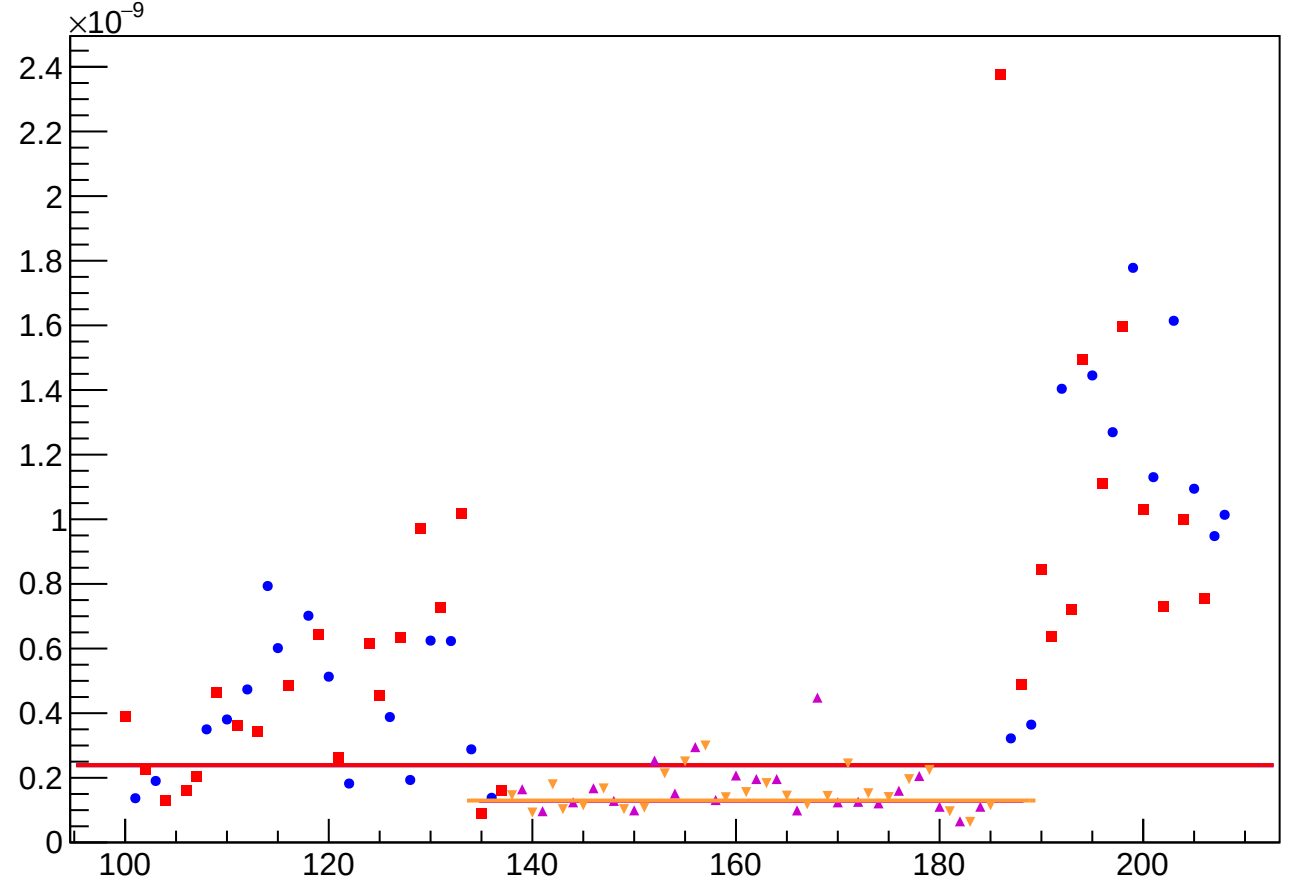
Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/30

Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.8/51

All: -0.000+/-0.000 χ^2/NDF: 96.2/105

- sign -0.000+/-0.000 χ^2/NDF: 51.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 6060814.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5841616.3/30

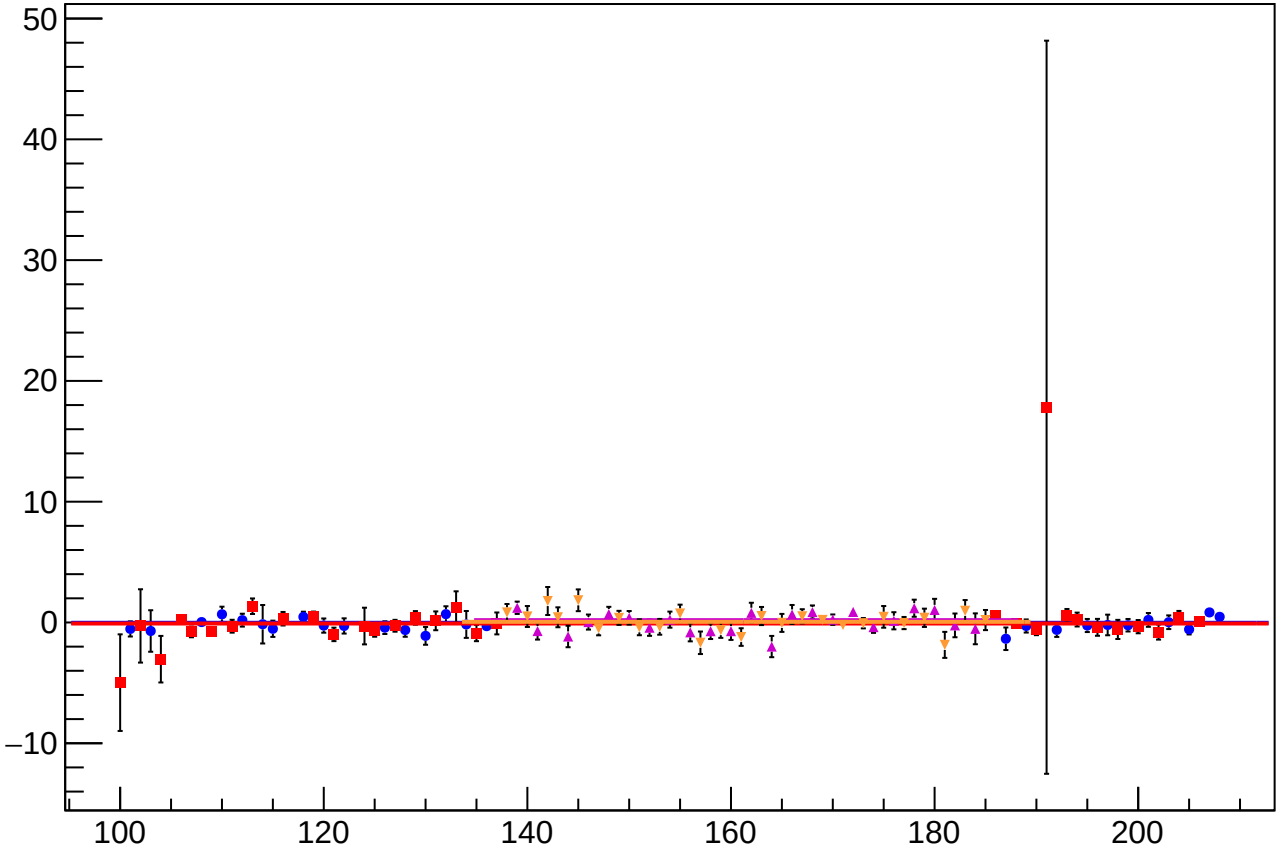
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8664349.6/51

All: 0.000+/-0.000 χ^2/NDF: 17206437.8/105

- sign 0.000+/-0.000 χ^2/NDF: 8541664.0/53

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.027+/-0.104 χ^2/NDF: 24.1/26

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.086+/-0.093 χ^2/NDF: 34.0/30

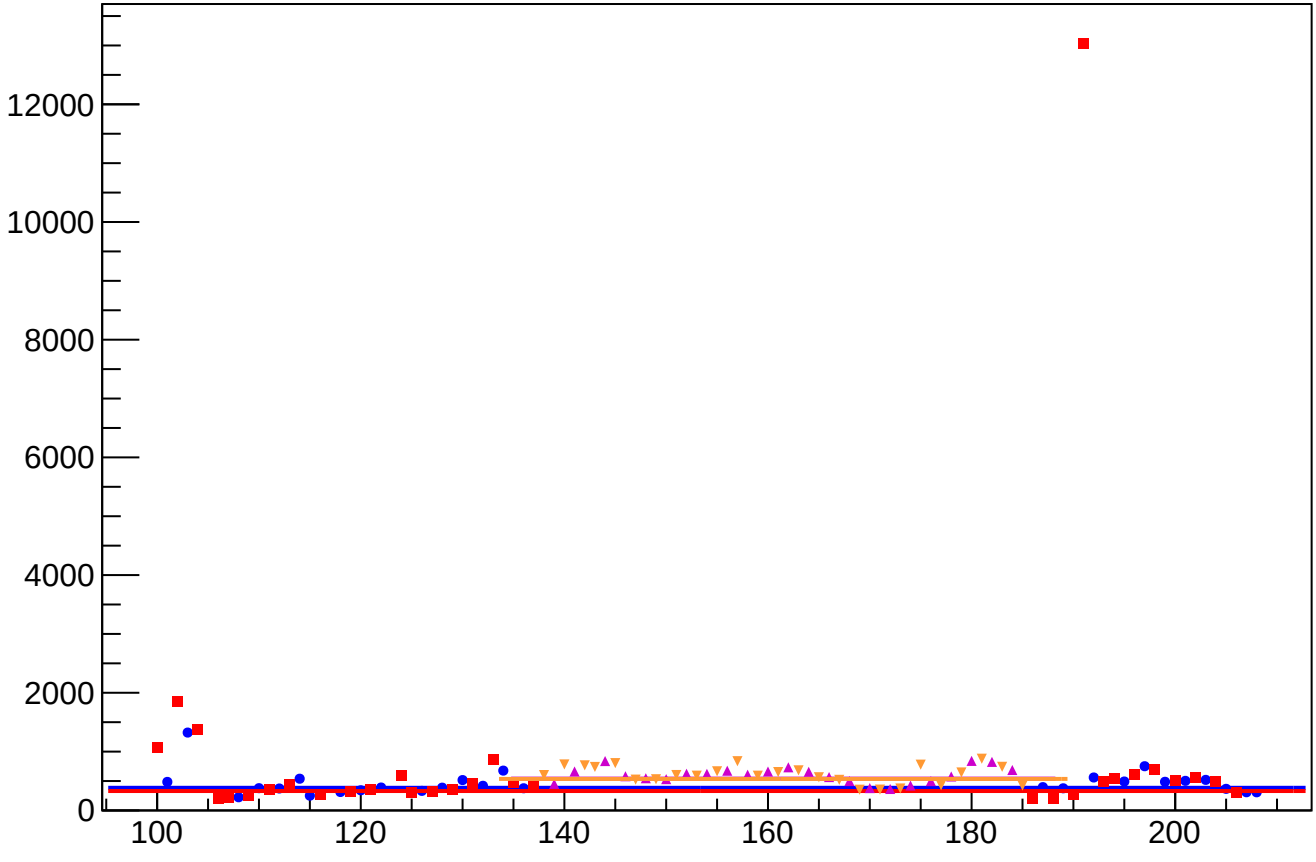
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

\+ sign 0.005+/-0.081 χ^2/NDF: 49.0/51

All: 0.005+/-0.056 χ^2/NDF: 117.1/105

\- sign 0.005+/-0.076 χ^2/NDF: 68.1/53

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 384.996+/-0.073 χ^2/NDF: 2538390.8/26

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 330.168+/-0.066 χ^2/NDF: 5467568.0/30

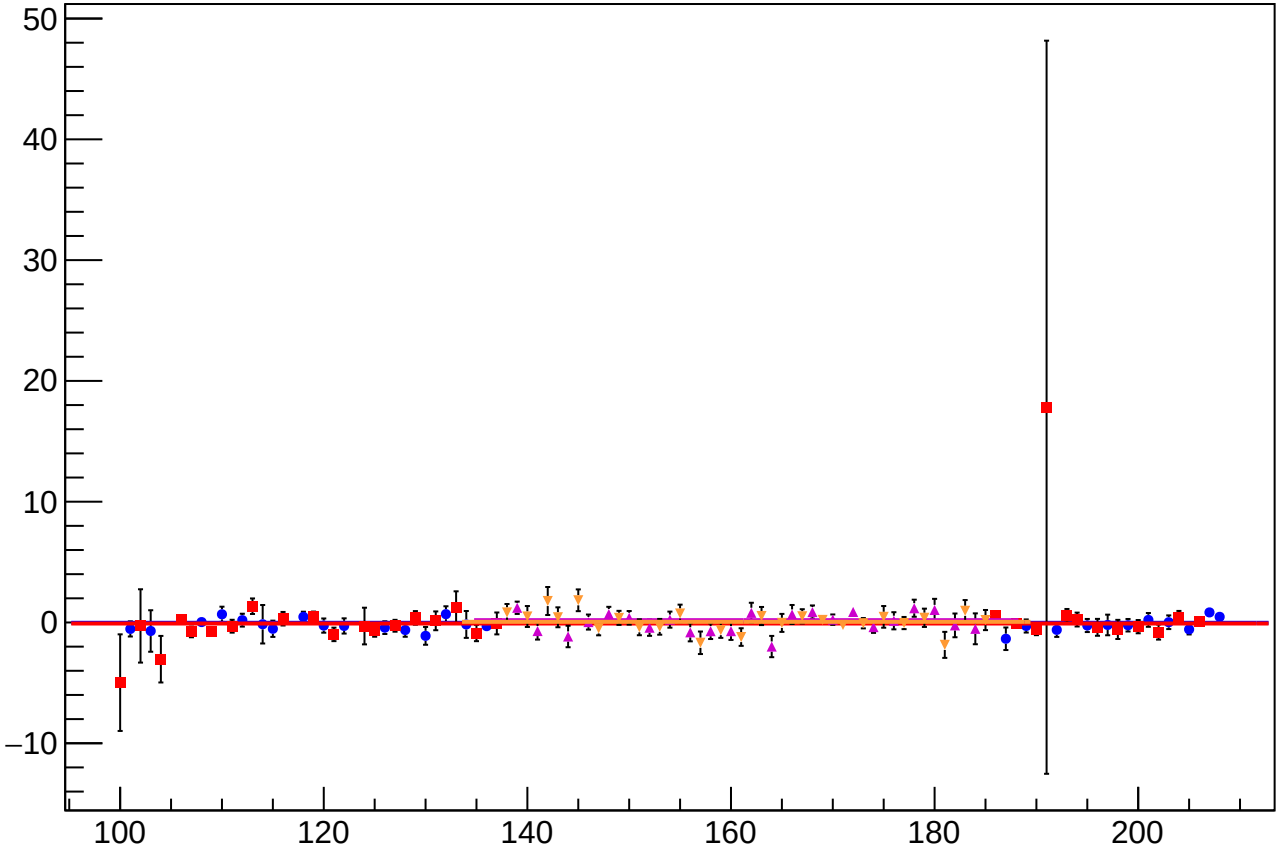
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 443.900+/-0.057 χ^2/NDF: 6945061.1/51

All: 420.430+/-0.039 χ^2/NDF: 17994361.5/10

- sign 399.505+/-0.054 χ^2/NDF: 10730874.9/53

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.027+/-0.104 χ^2/NDF: 24.1/26

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.086+/-0.093 χ^2/NDF: 34.0/30

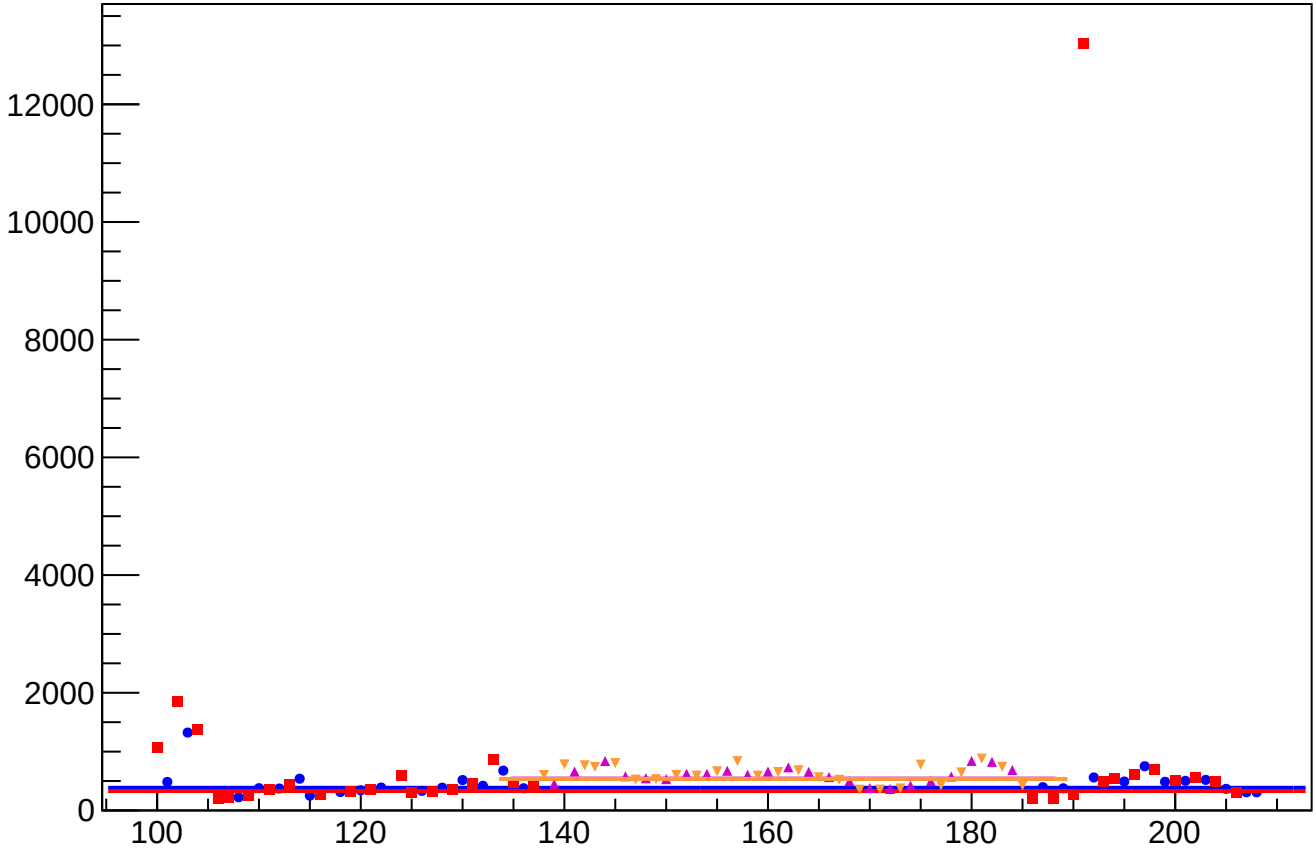
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.005+/-0.081 χ^2/NDF: 49.0/51

All: 0.005+/-0.056 χ^2/NDF: 117.1/105

- sign 0.005+/-0.076 χ^2/NDF: 68.1/53

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 384.996+/-0.073 χ^2/NDF: 2538390.8/26

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 330.168+/-0.066 χ^2/NDF: 5467568.0/30

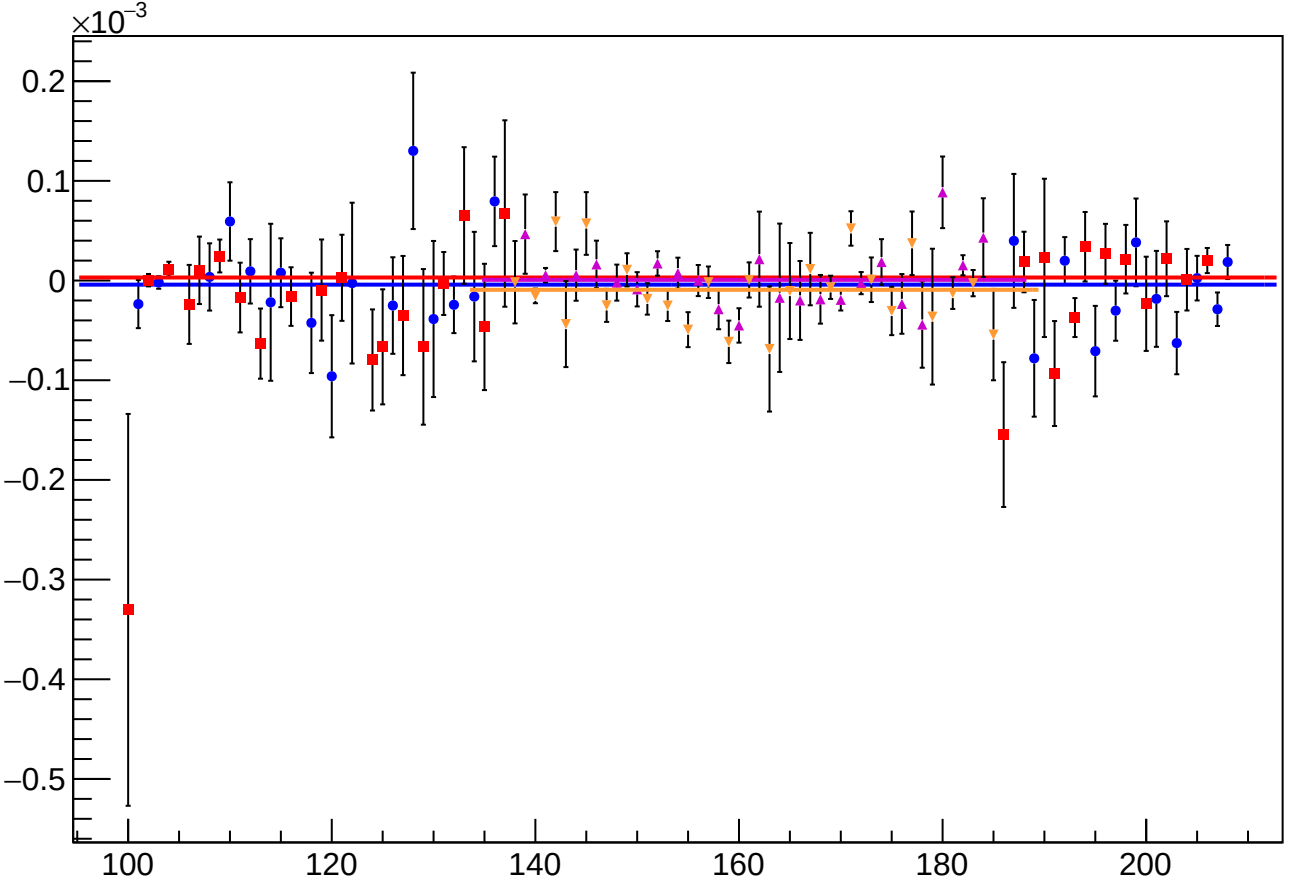
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 443.900+/-0.057 χ^2/NDF: 6945061.1/51

All: 420.430+/-0.039 χ^2/NDF: 17994361.5/10

- sign 399.505+/-0.054 χ^2/NDF: 10730874.9/53

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/30

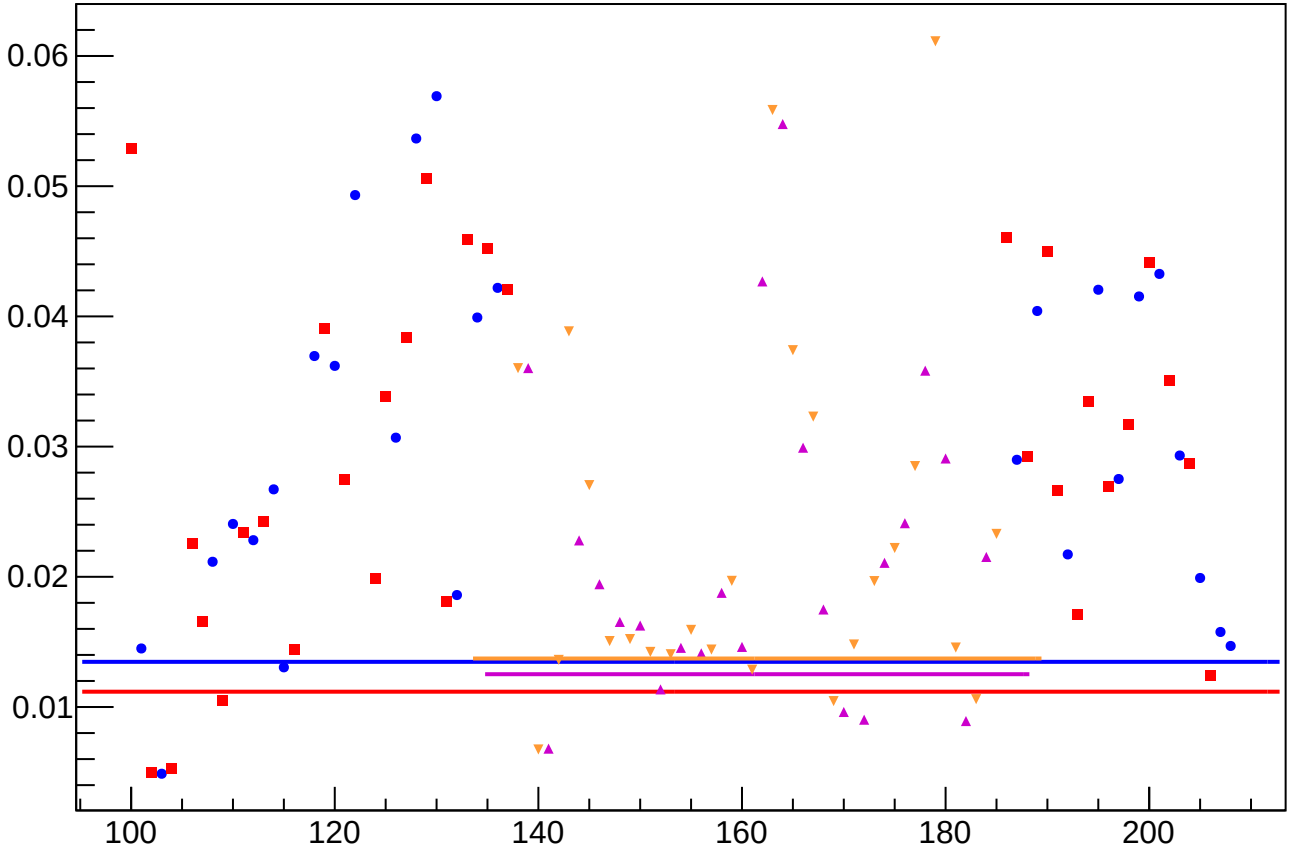
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.4/51

All: -0.000+/-0.000 χ^2/NDF: 145.2/105

- sign 0.000+/-0.000 χ^2/NDF: 65.1/53

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 12256998.1/26

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 14111318.2/30

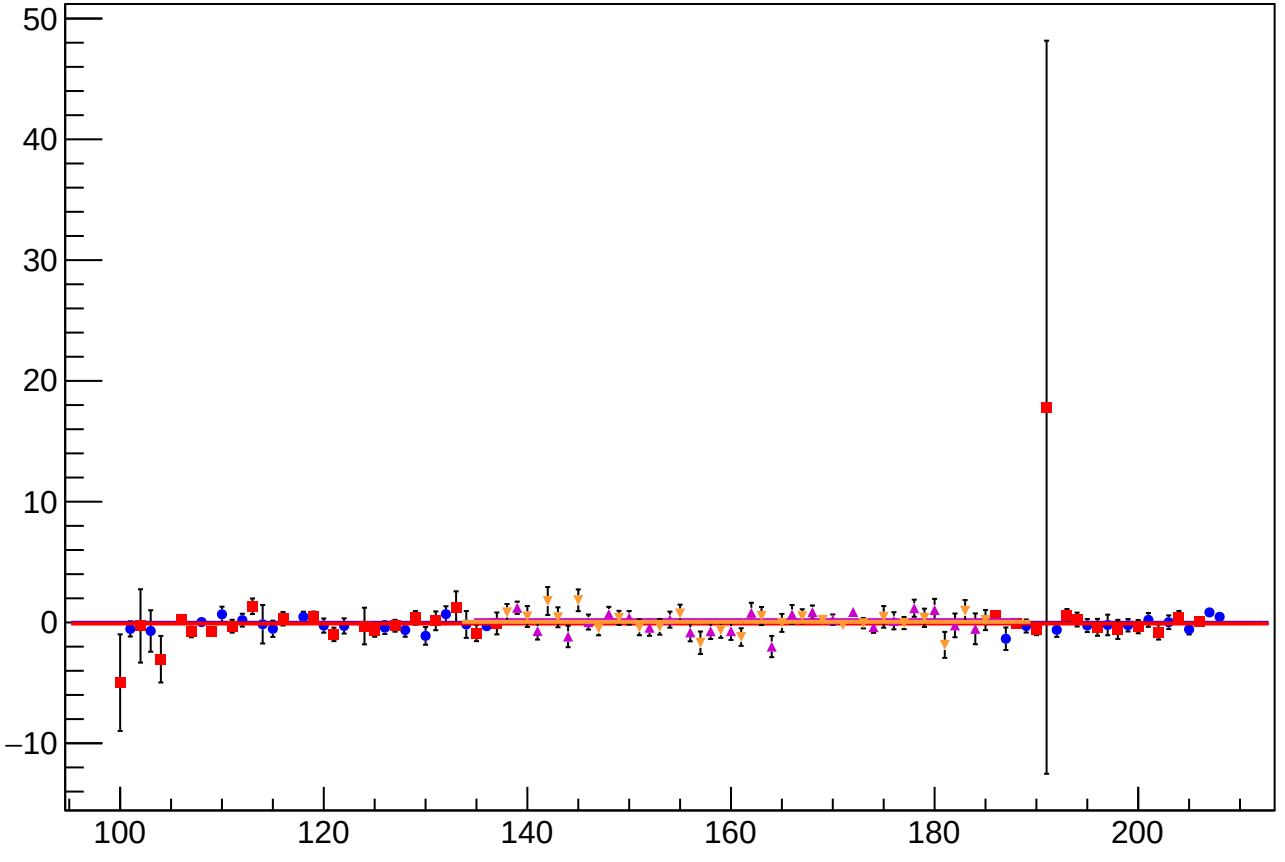
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.014+/-0.000 χ^2/NDF: 19978069.0/51

All: 0.013+/-0.000 χ^2/NDF: 41765170.4/105

- sign 0.012+/-0.000 χ^2/NDF: 21373012.9/53

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.027+/-0.104 χ^2/NDF: 24.1/26

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.086+/-0.093 χ^2/NDF: 34.0/30

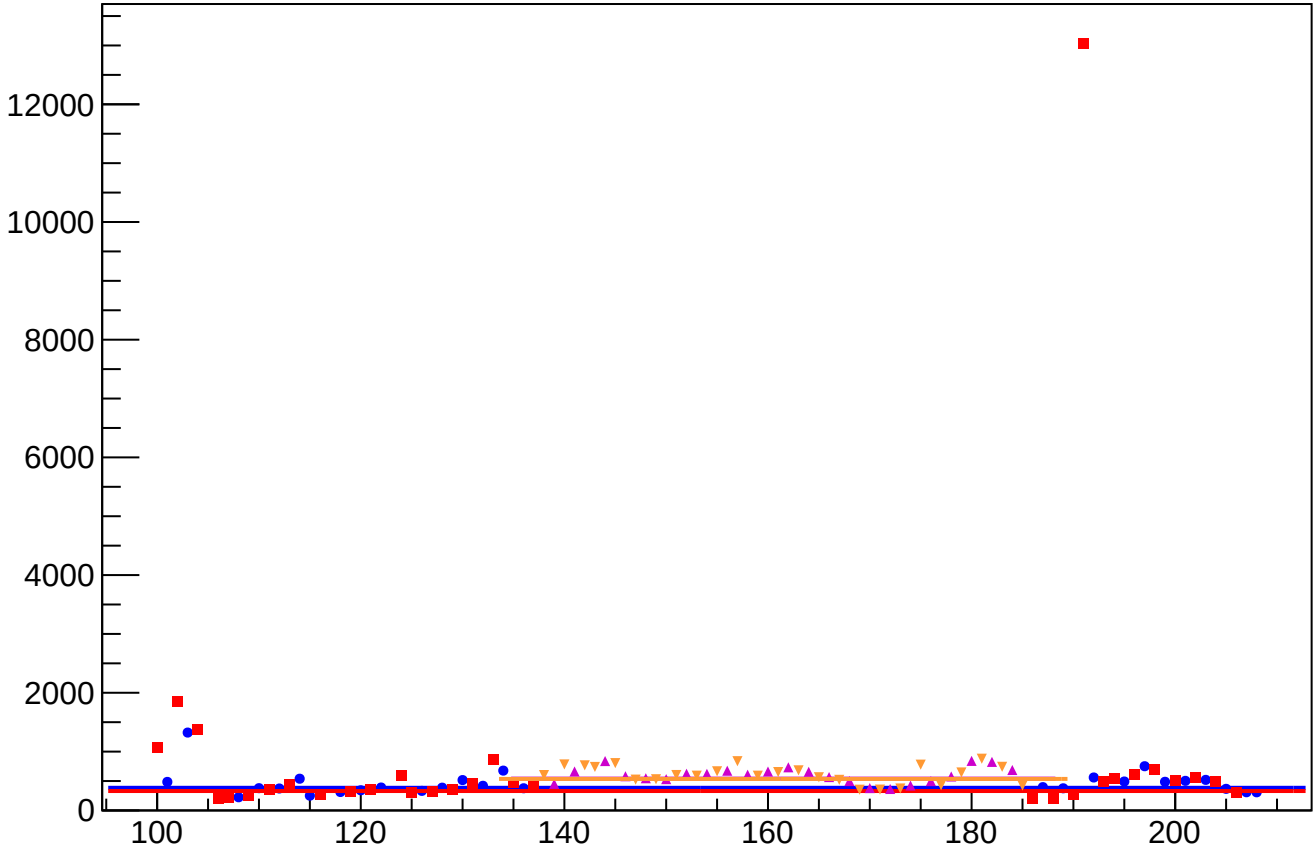
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.005+/-0.081 χ^2/NDF: 49.0/51

All: 0.005+/-0.056 χ^2/NDF: 117.1/105

- sign 0.005+/-0.076 χ^2/NDF: 68.1/53

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 384.994+/-0.073 χ^2/NDF: 2538412.8/26

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 330.168+/-0.066 χ^2/NDF: 5467548.9/30

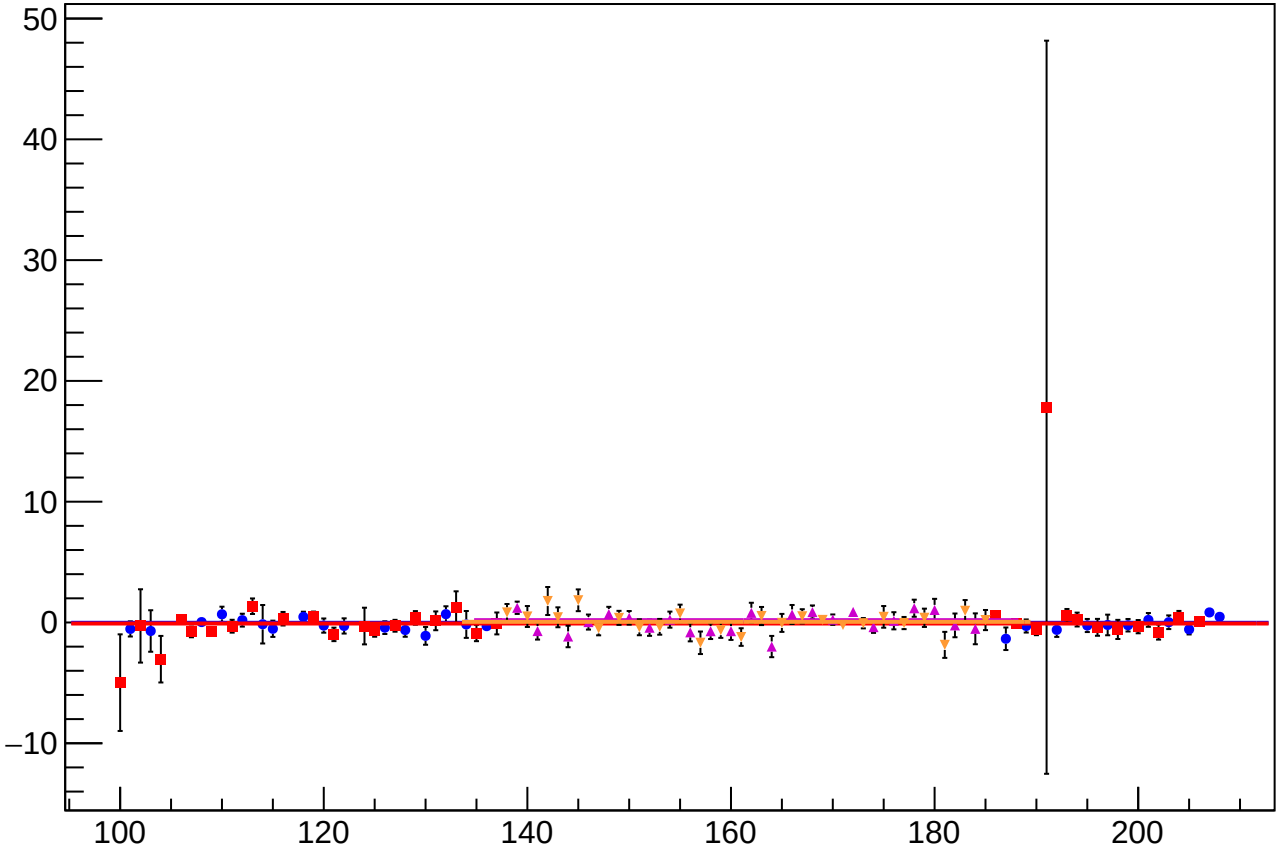
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 443.899+/-0.057 χ^2/NDF: 6945301.1/51

All: 420.430+/-0.039 χ^2/NDF: 17994710.5/10

- sign 399.506+/-0.054 χ^2/NDF: 10731006.1/53

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.027+/-0.104 χ^2/NDF: 24.1/26

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.086+/-0.093 χ^2/NDF: 34.0/30

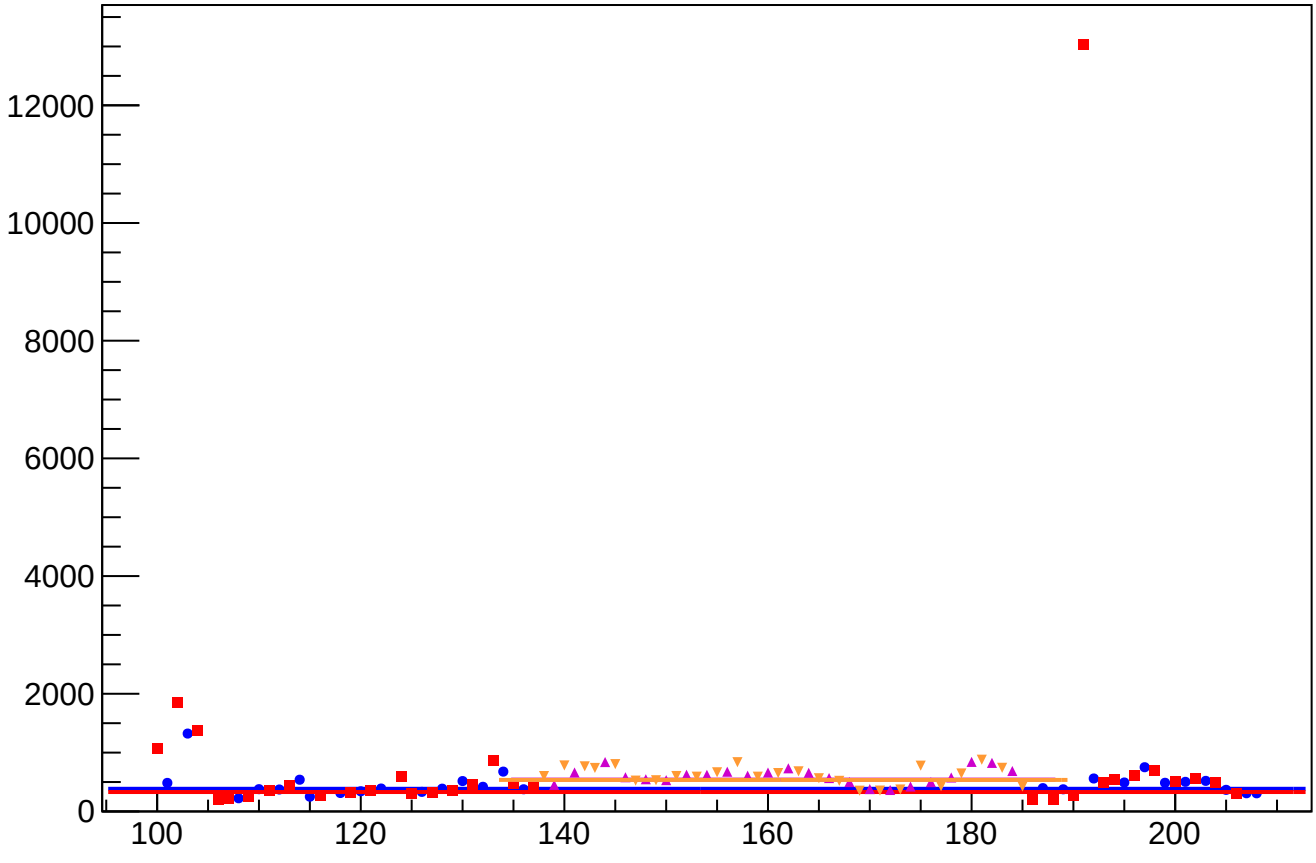
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.005+/-0.081 χ^2/NDF: 49.0/51

All: 0.005+/-0.056 χ^2/NDF: 117.1/105

- sign 0.005+/-0.076 χ^2/NDF: 68.1/53

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 384.994+/-0.073 χ^2/NDF: 2538412.8/26

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

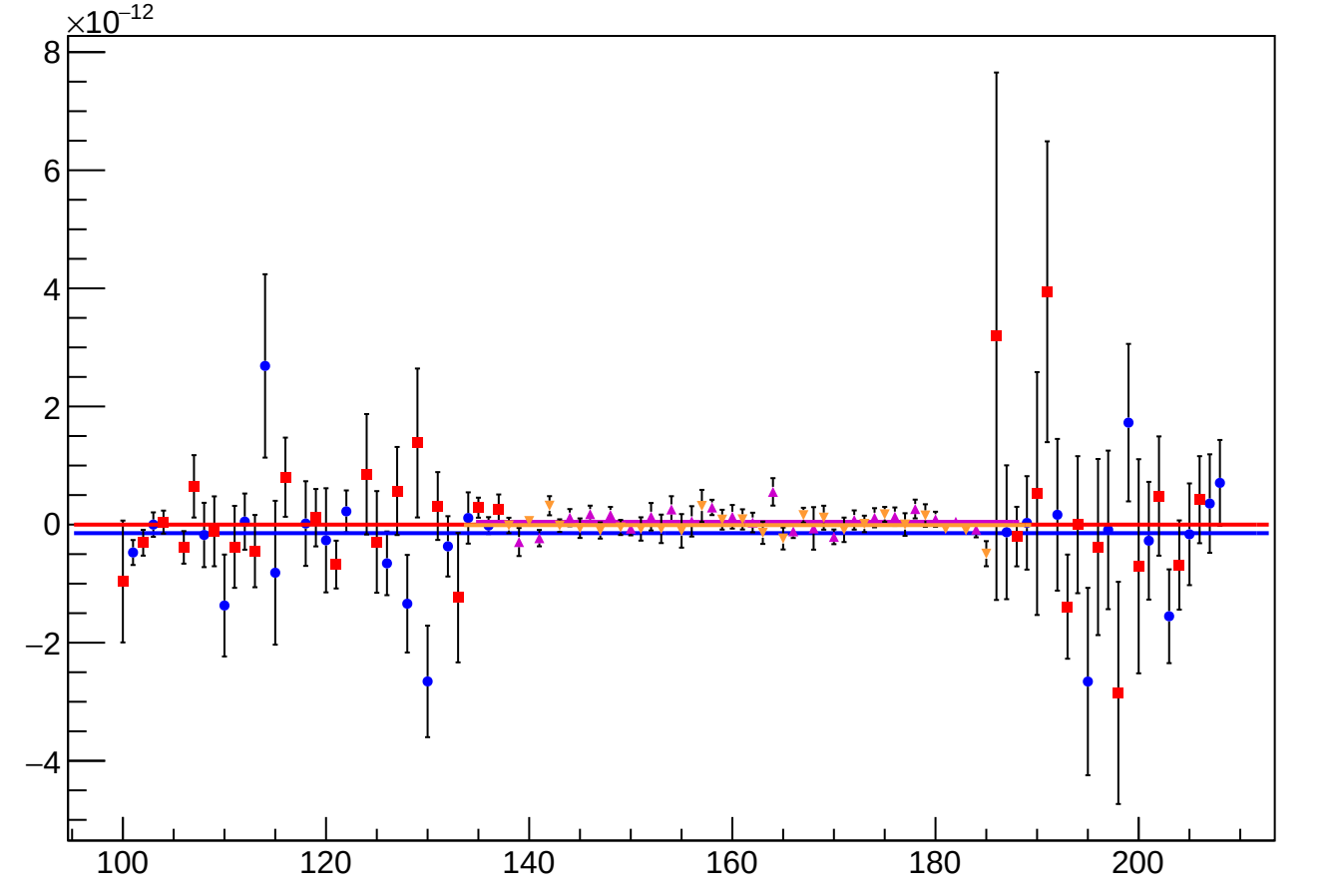
Right Out: 330.168+/-0.066 χ^2/NDF: 5467548.9/30

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 443.899+/-0.057 χ^2/NDF: 6945301.1/51

All: 420.430+/-0.039 χ^2/NDF: 17994710.5/10

- sign 399.506+/-0.054 χ^2/NDF: 10731006.1/53



Right In: -0.000+/-0.000 χ^2/NDF: 30.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

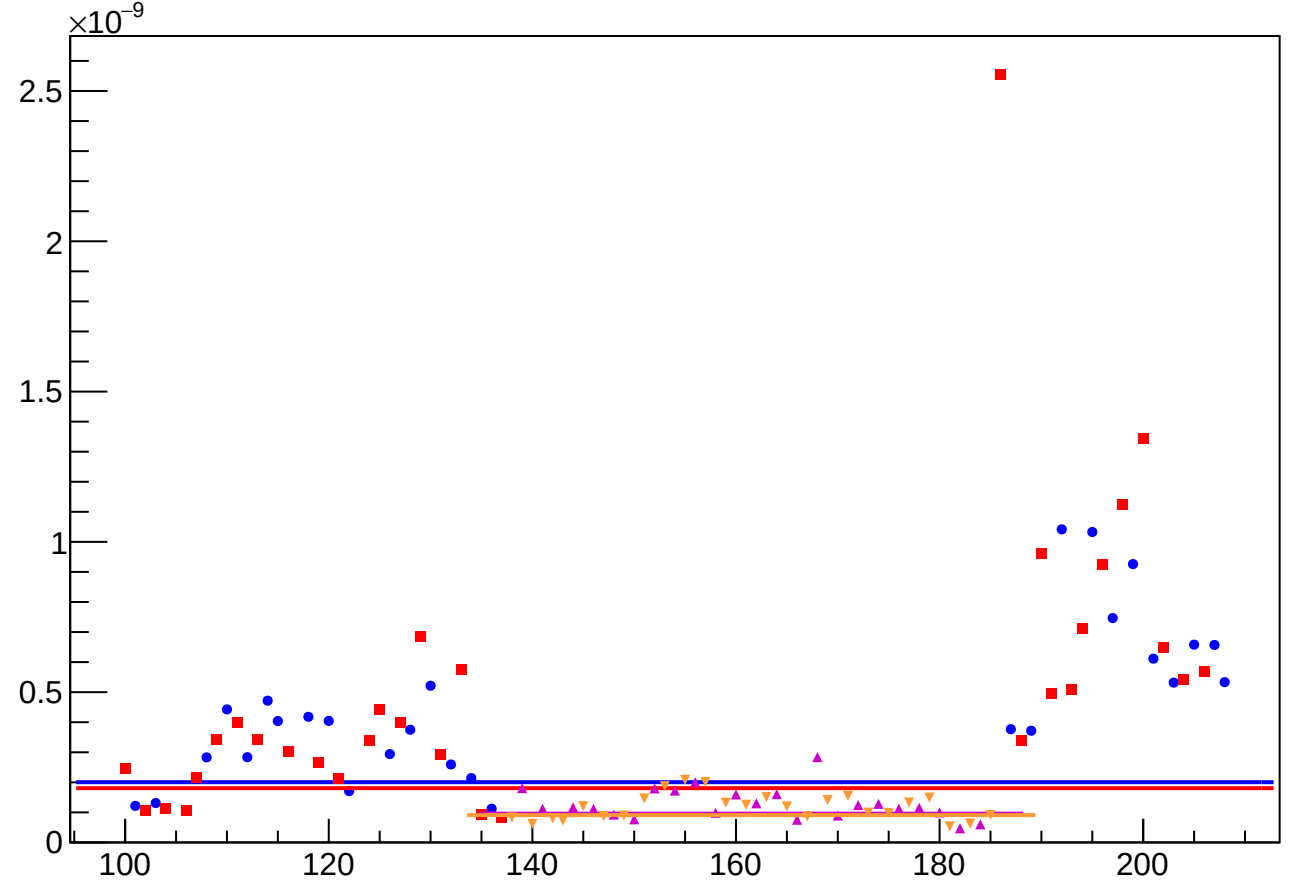
Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/30

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.2/51

All: 0.000+/-0.000 χ^2/NDF: 115.5/105

- sign 0.000+/-0.000 χ^2/NDF: 57.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 7107875.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8175786.3/30

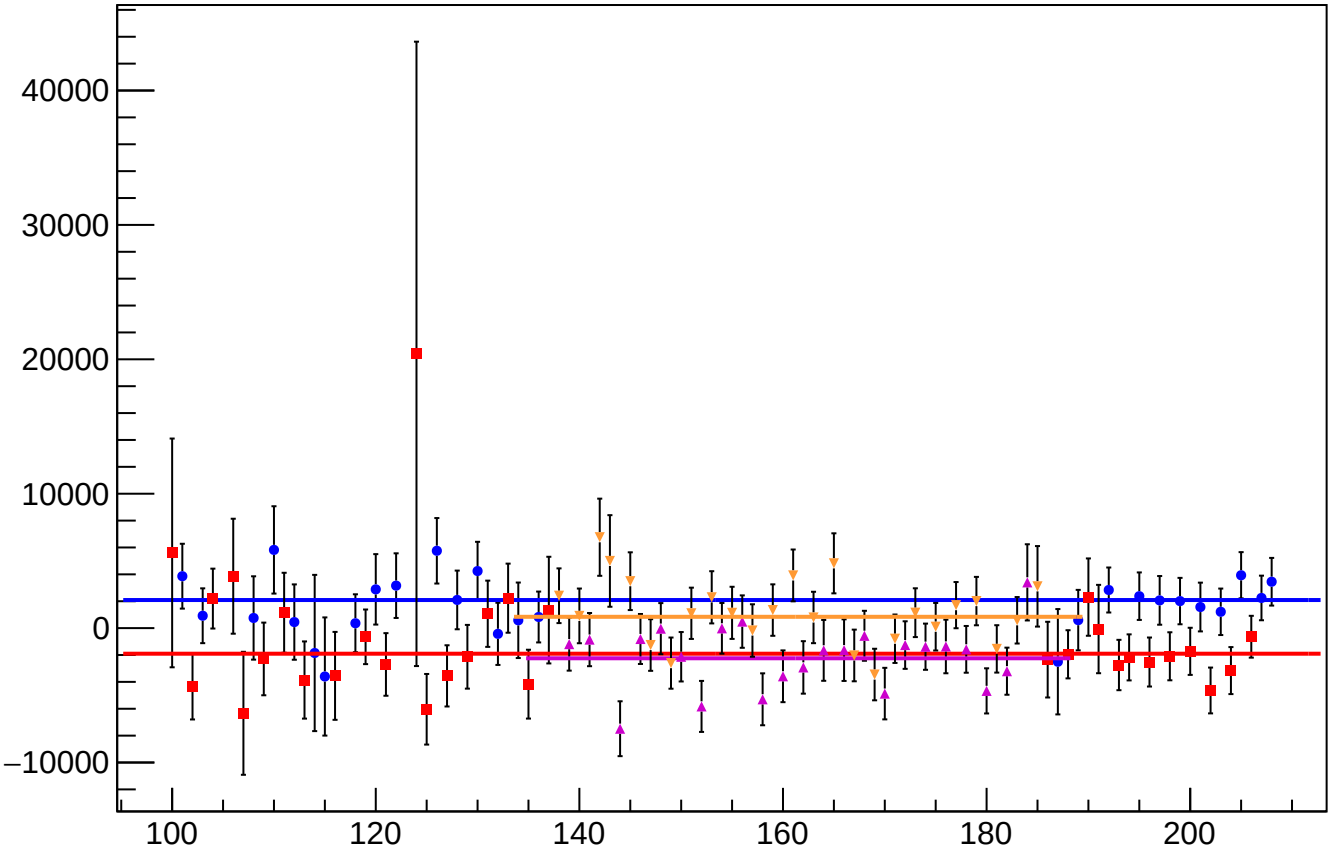
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13569780.2/51

All: 0.000+/-0.000 χ^2/NDF: 27648844.4/105

- sign 0.000+/-0.000 χ^2/NDF: 14057414.2/53

reg_asym_atl_avg_mean vs Slug



Right In: 2089.367+/-416.134 χ^2/NDF: 15.1/26

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1904.318+/-417.940 χ^2/NDF: 26.2/30

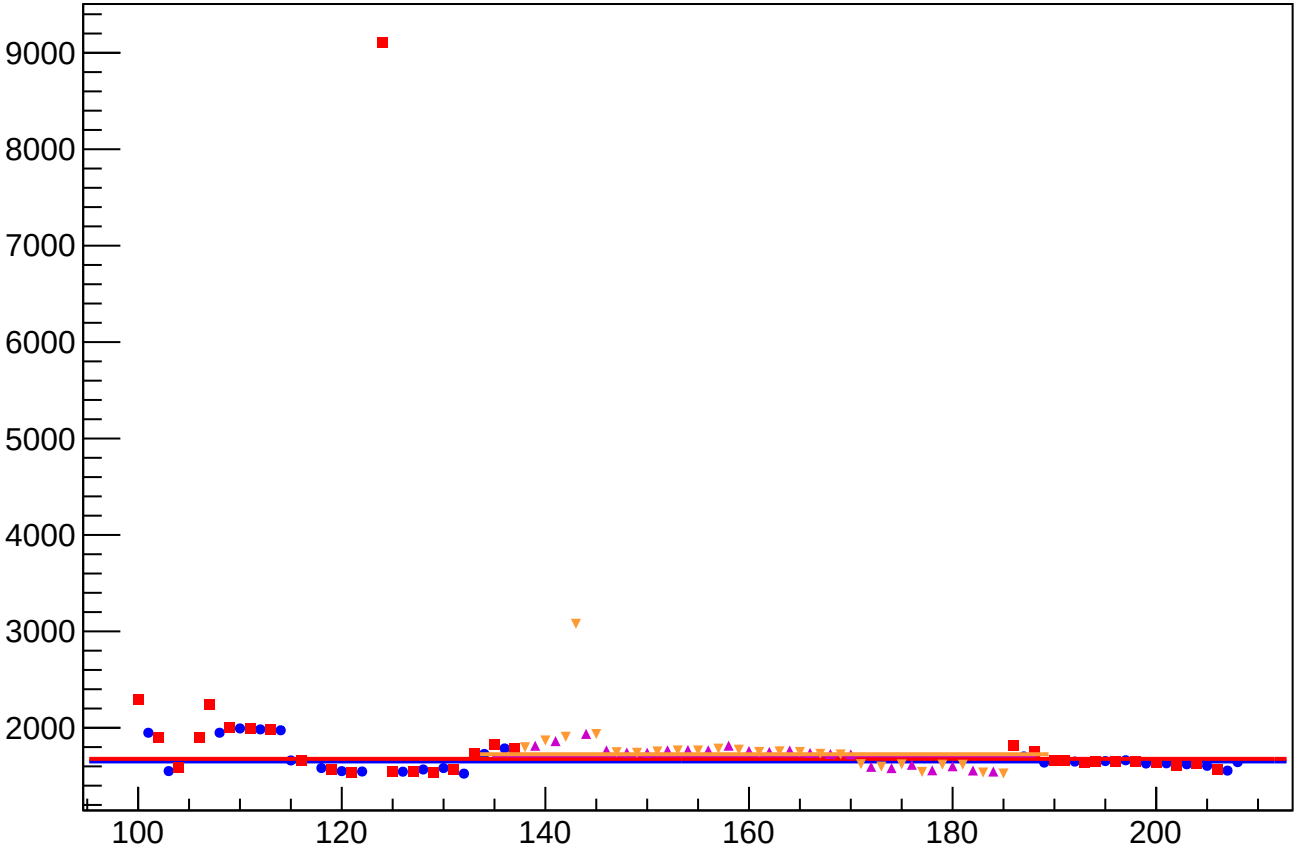
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1432.104+/-286.275 χ^2/NDF: 50.2/51

All: -306.636+/-203.474 χ^2/NDF: 180.7/105

- sign -2081.829+/-289.261 χ^2/NDF: 56.0/53

reg_asym_atl_avg_rms vs Slug



Right In: 1651.174+/-0.294 χ^2/NDF: 154873.5/26

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1677.914+/-0.295 χ^2/NDF: 417810.7/30

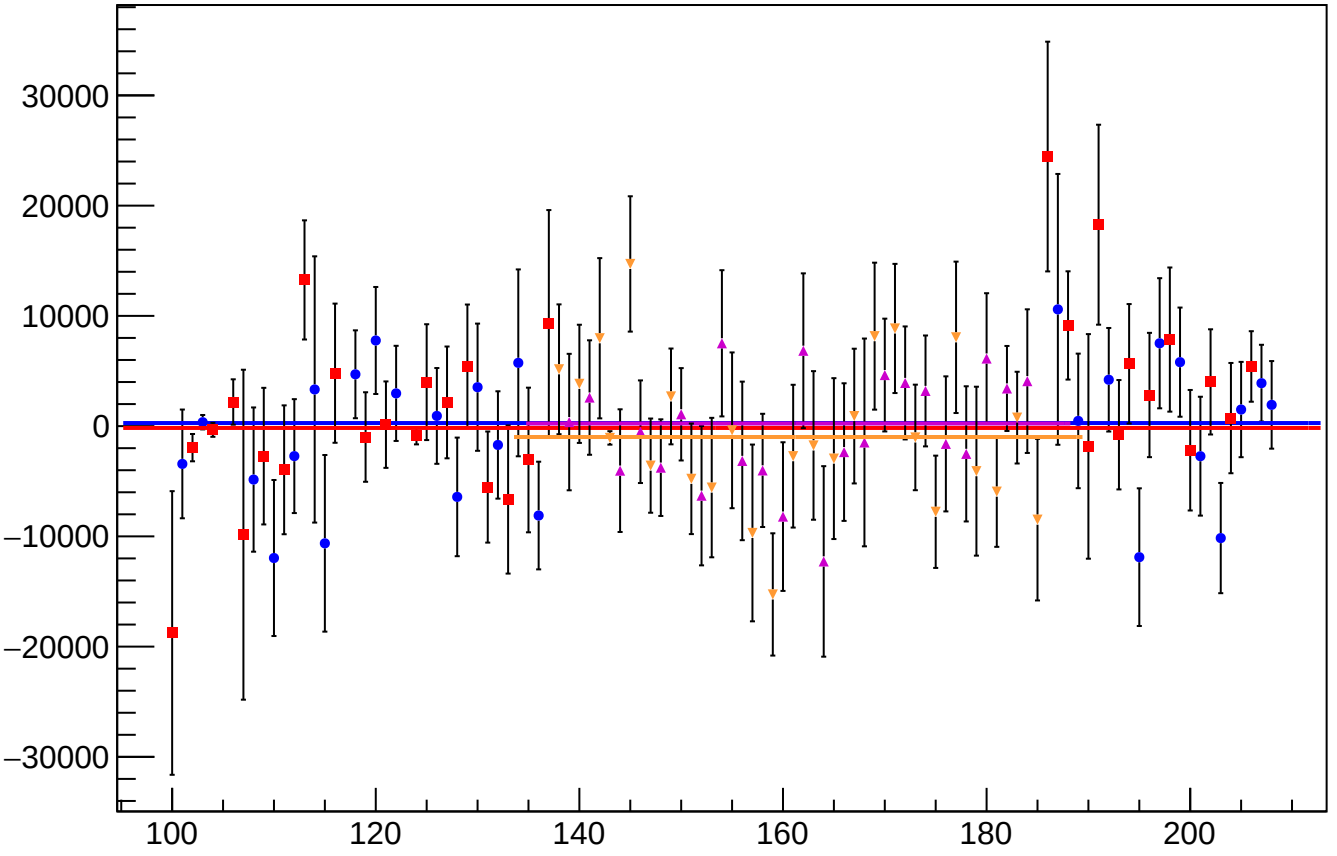
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1690.618+/-0.202 χ^2/NDF: 643919.0/51

All: 1693.402+/-0.144 χ^2/NDF: 1198826.5/10

- sign 1696.239+/-0.204 χ^2/NDF: 554525.6/53

asym_atl_avg_reg_correction_mean vs Slug



Right In: 280.331+/-550.075 χ^2/NDF: 29.8/26

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -165.265+/-409.645 χ^2/NDF: 39.5/30

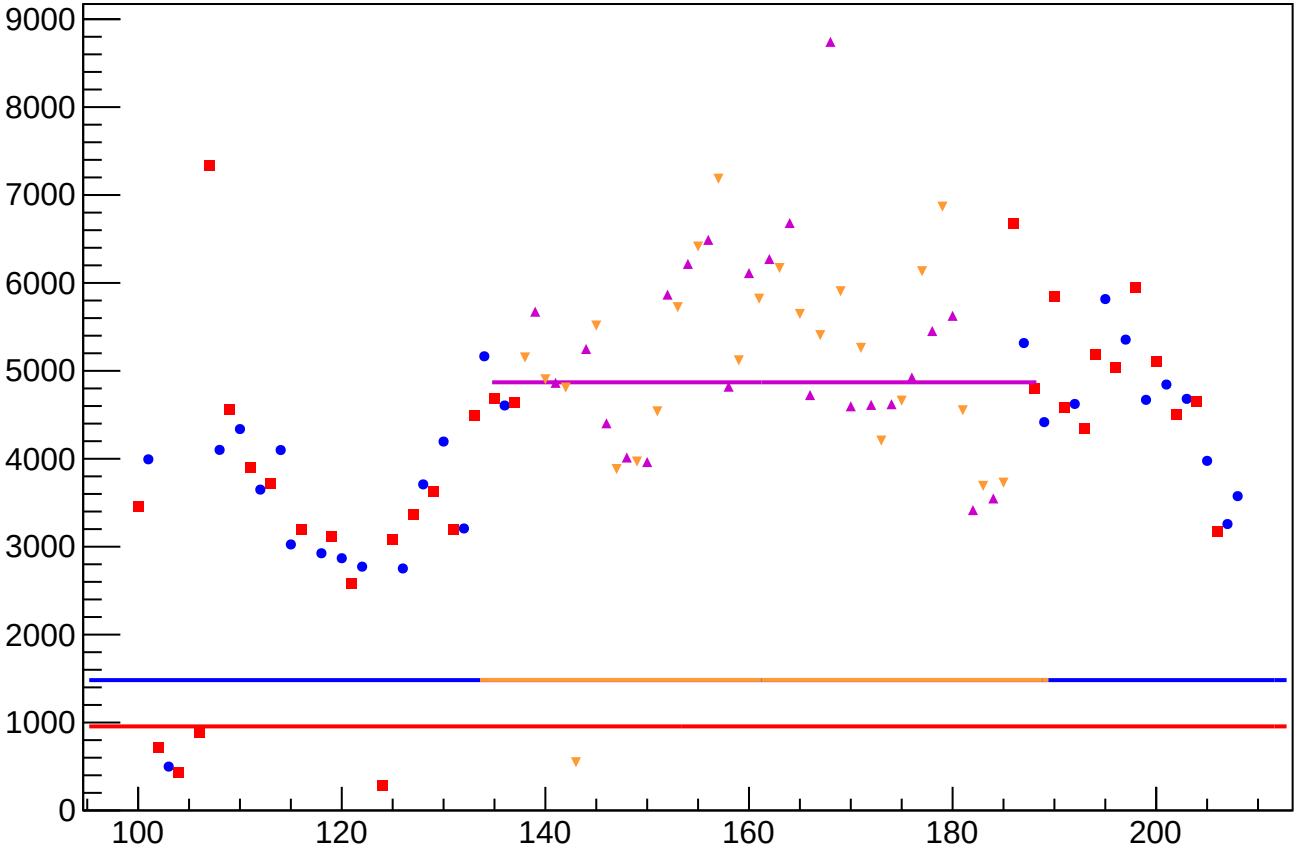
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -363.897+/-385.804 χ^2/NDF: 63.3/51

All: -242.513+/-273.033 χ^2/NDF: 116.7/105

- sign -120.721+/-386.452 χ^2/NDF: 53.2/53

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1482.408+/-0.389 χ^2/NDF: 16757412.8/26

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 956.014+/-0.290 χ^2/NDF: 20714291.9/30

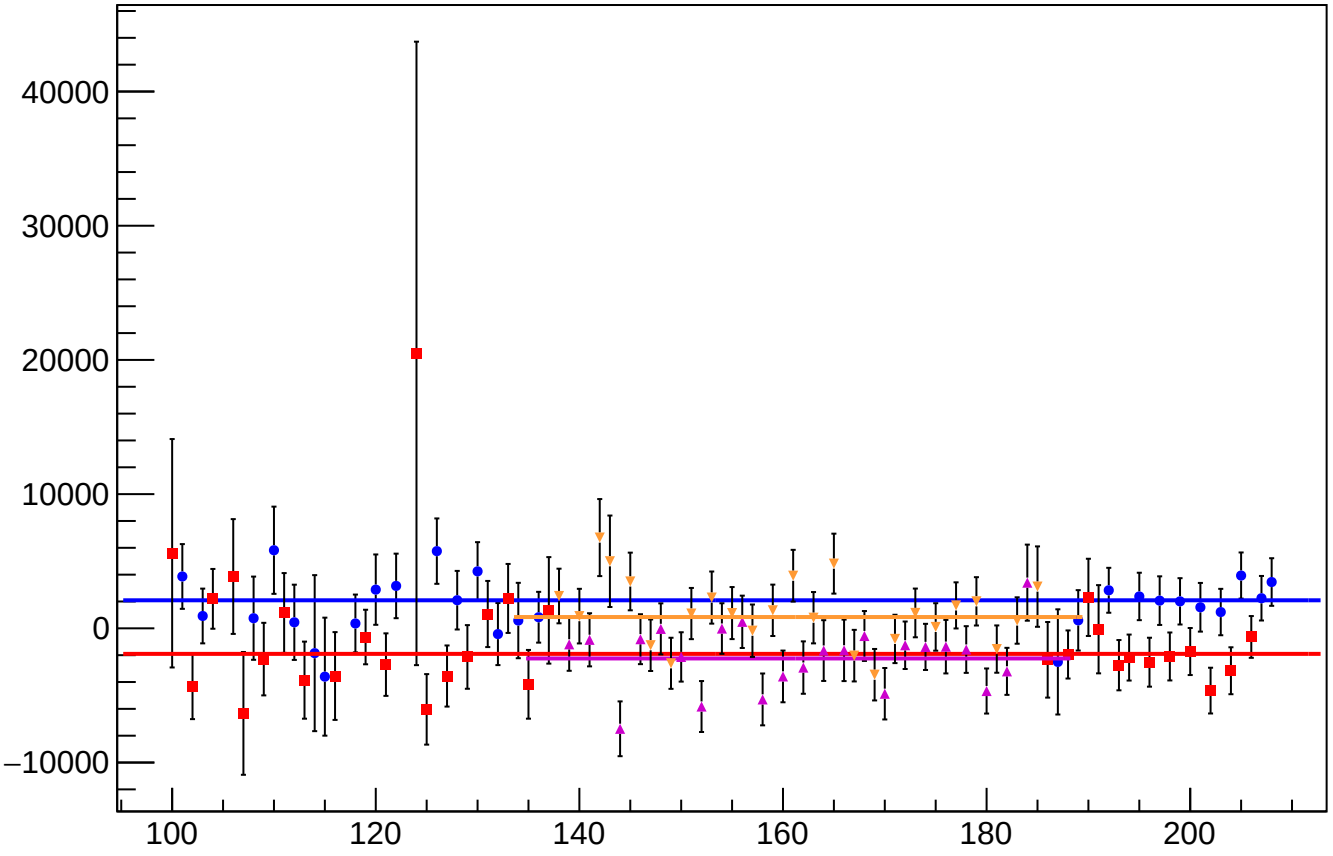
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1483.503+/-0.273 χ^2/NDF: 39982374.7/51

All: 1435.148+/-0.193 χ^2/NDF: 82319825.7/1

- sign 1386.631+/-0.273 χ^2/NDF: 42274510.2/53

cor_asym_atl_avg_mean vs Slug



Right In: 2089.428+/-416.134 χ^2/NDF: 15.1/26

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1903.283+/-417.942 χ^2/NDF: 26.2/30

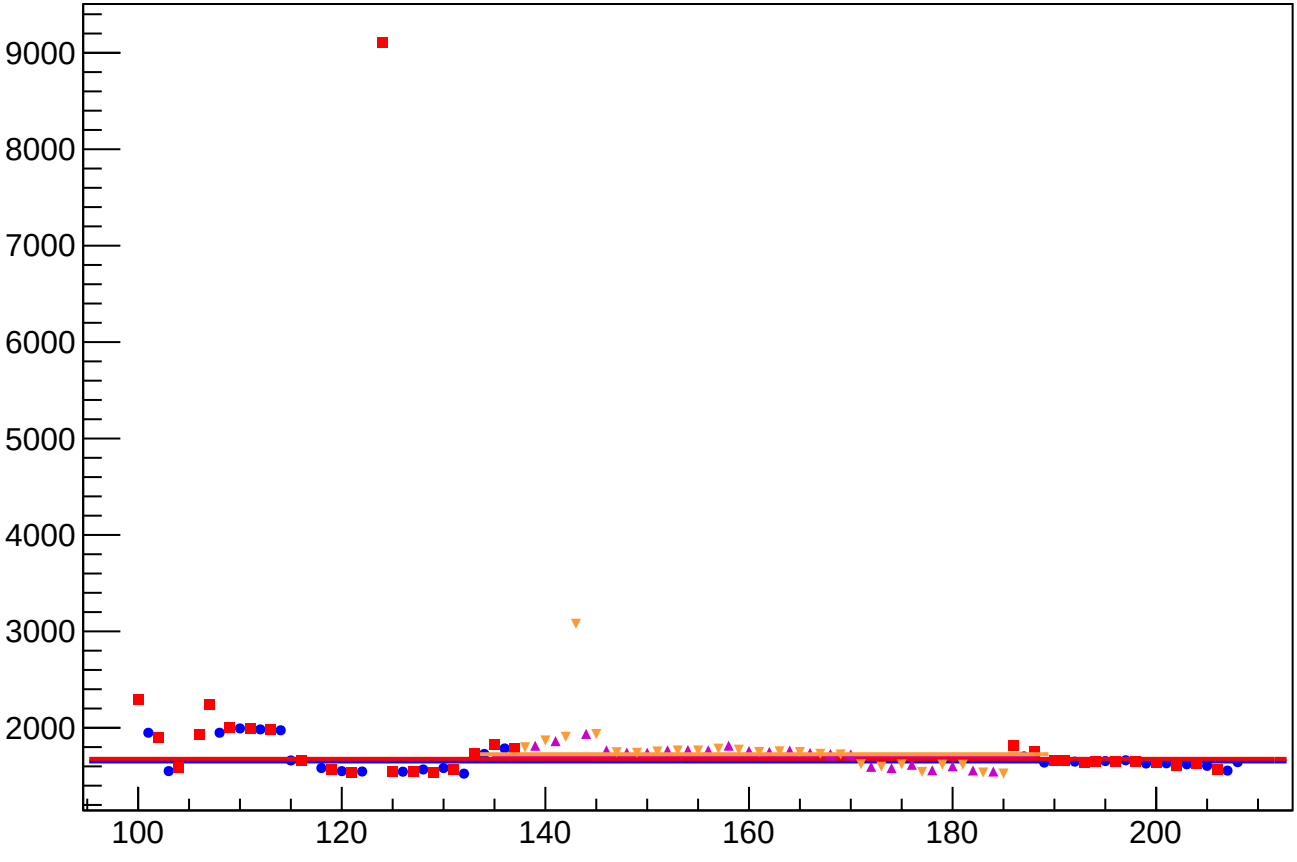
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1432.129+/-286.275 χ^2/NDF: 50.2/51

All: -306.380+/-203.475 χ^2/NDF: 180.7/105

- sign -2081.344+/-289.261 χ^2/NDF: 56.0/53

cor_asym_atl_avg_rms vs Slug



Right In: 1651.174+/-0.294 χ^2/NDF: 154873.5/26

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1678.252+/-0.295 χ^2/NDF: 419877.6/30

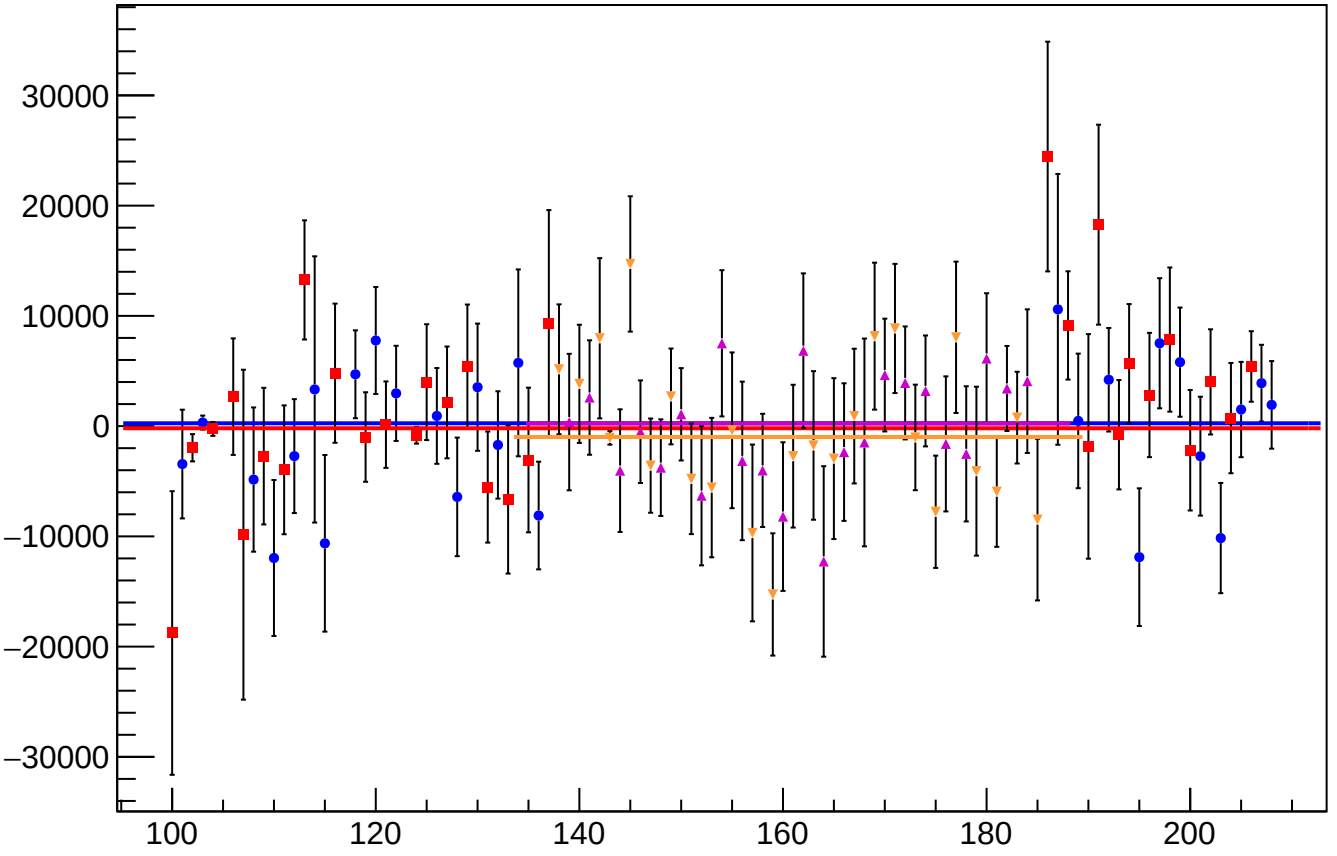
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1690.618+/-0.202 χ^2/NDF: 643919.1/51

All: 1693.484+/-0.144 χ^2/NDF: 1200772.9/10

- sign 1696.405+/-0.204 χ^2/NDF: 556449.1/53

asym_atl_avg_cor_correction_mean vs Slug



Right In: 257.448+/-540.186 χ^2/NDF: 29.8/26

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -193.596+/-414.874 χ^2/NDF: 38.3/30

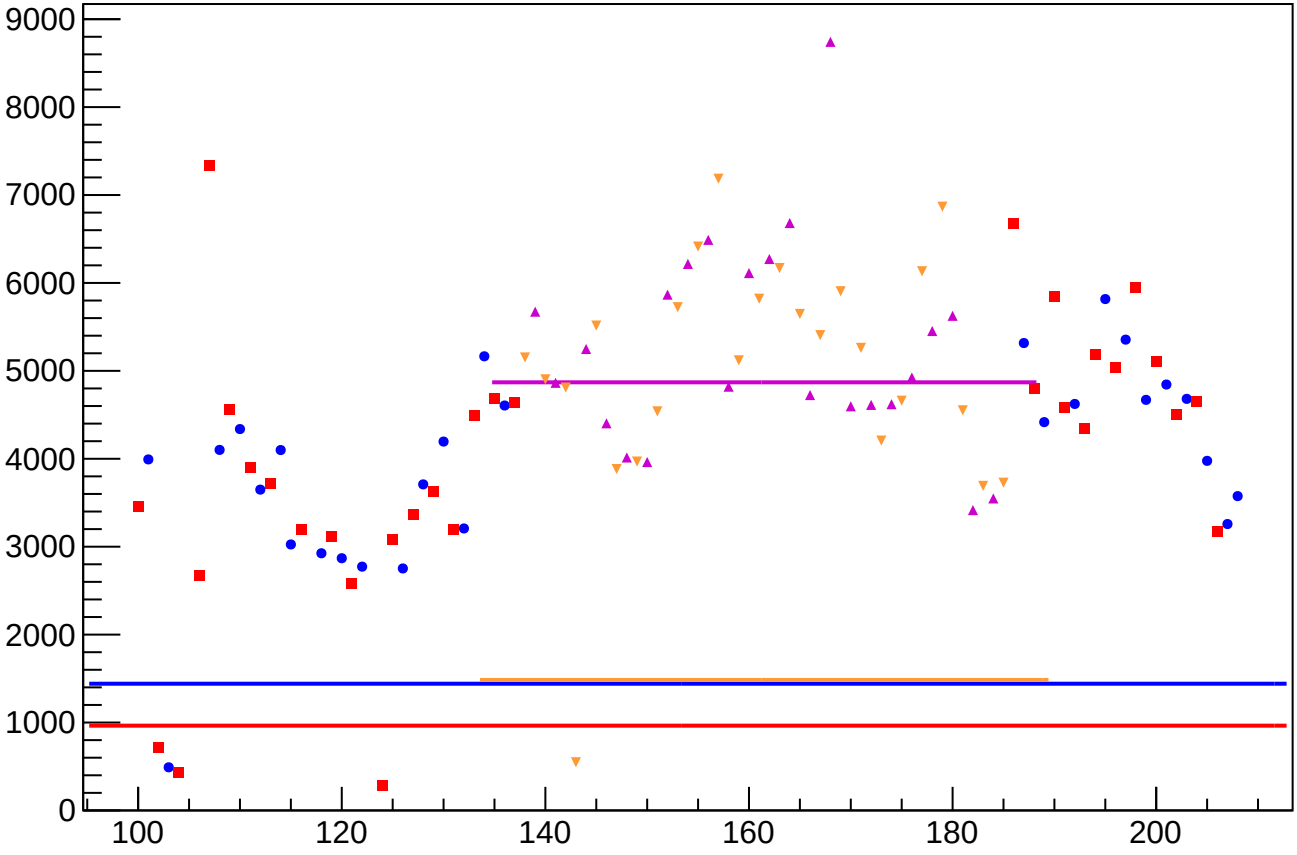
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -363.717+/-382.338 χ^2/NDF: 63.3/51

All: -256.692+/-273.308 χ^2/NDF: 115.4/105

- sign -144.859+/-390.833 χ^2/NDF: 52.0/53

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1441.525+/-0.382 χ^2/NDF: 17061152.6/26

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 964.518+/-0.293 χ^2/NDF: 20960776.7/30

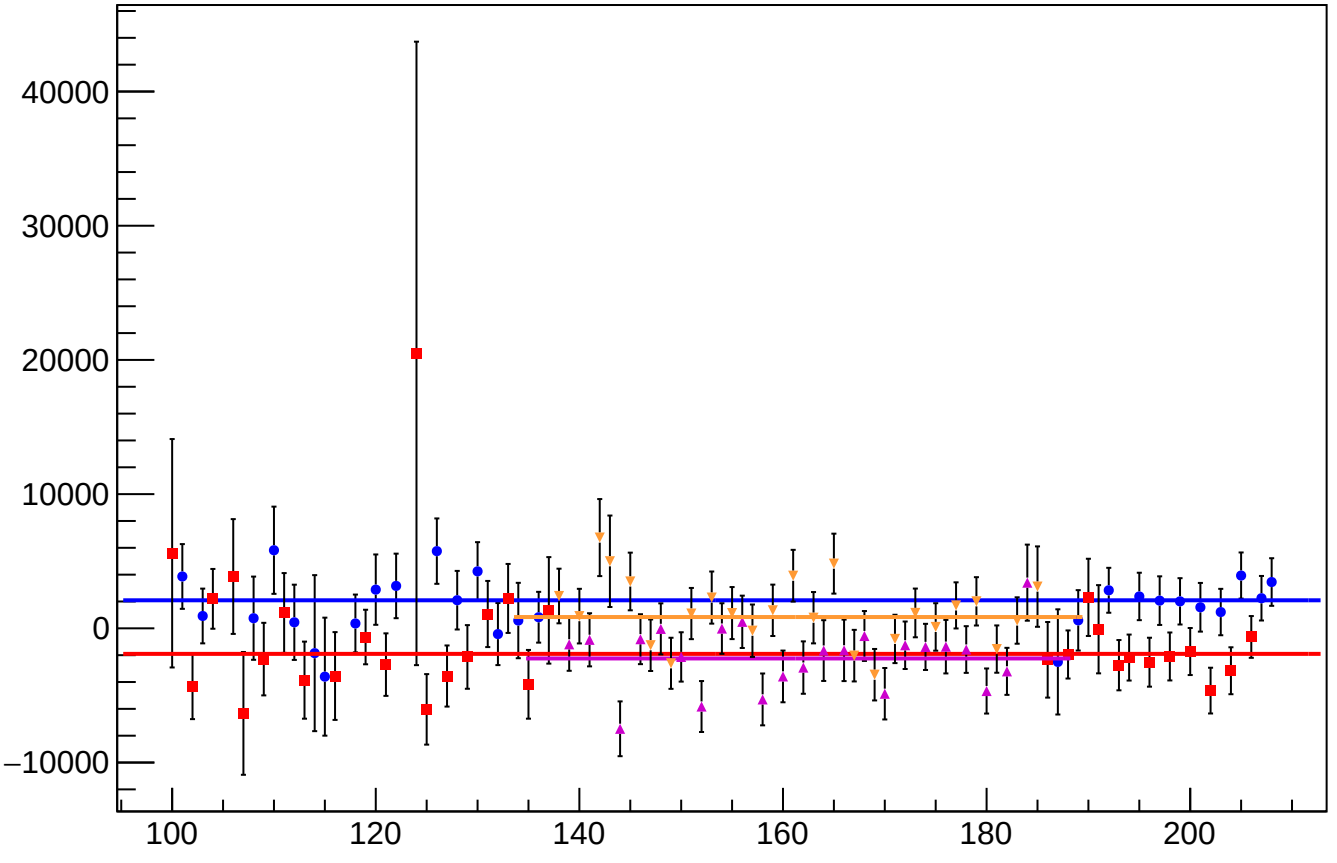
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1462.963+/-0.270 χ^2/NDF: 40293035.6/51

All: 1434.127+/-0.193 χ^2/NDF: 82693716.9/1

- sign 1403.996+/-0.276 χ^2/NDF: 42377417.9/53

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 2089.428+/-416.134 χ^2/NDF: 15.1/26

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1903.283+/-417.942 χ^2/NDF: 26.2/30

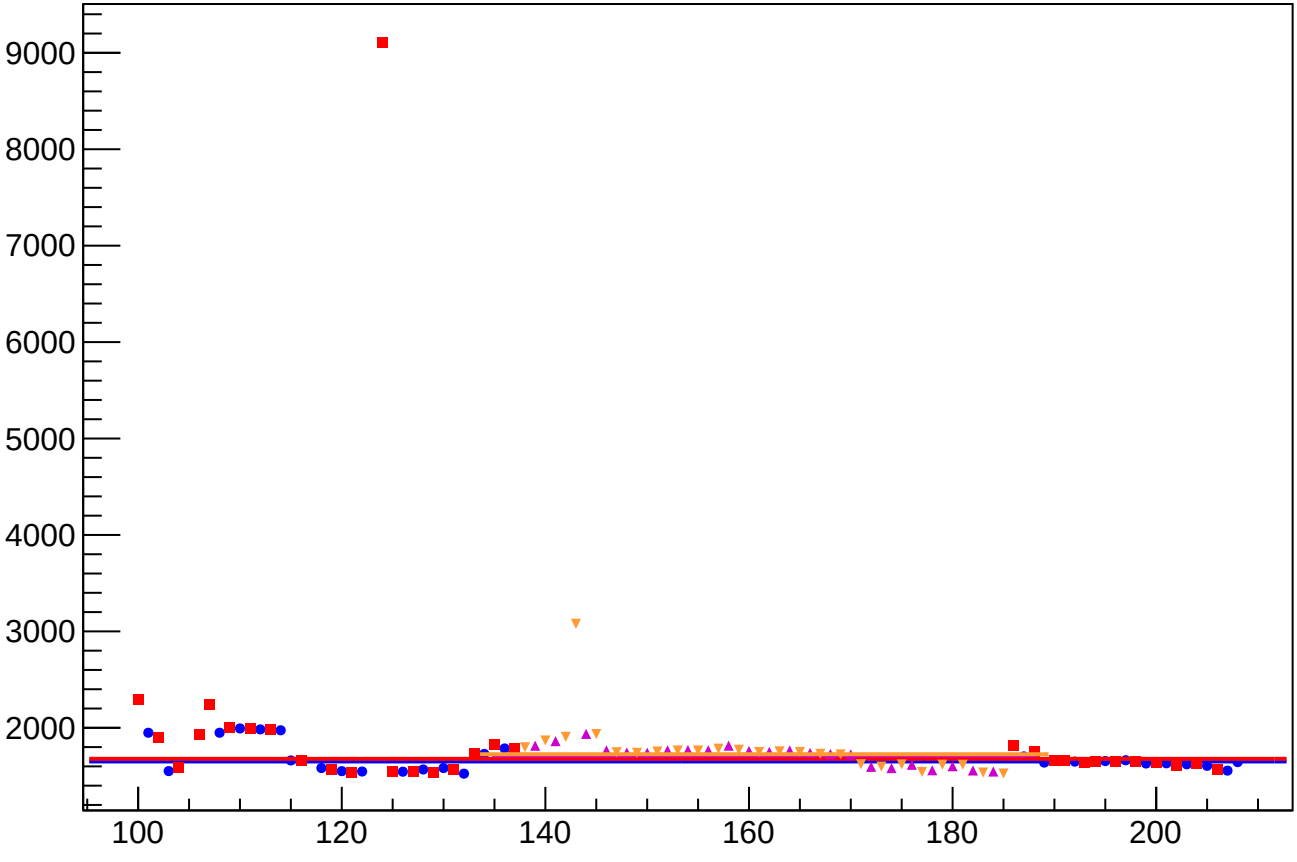
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1432.129+/-286.275 χ^2/NDF: 50.2/51

All: -306.380+/-203.475 χ^2/NDF: 180.7/105

- sign -2081.344+/-289.261 χ^2/NDF: 56.0/53

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1651.174+/-0.294 χ^2/NDF: 154873.5/26

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

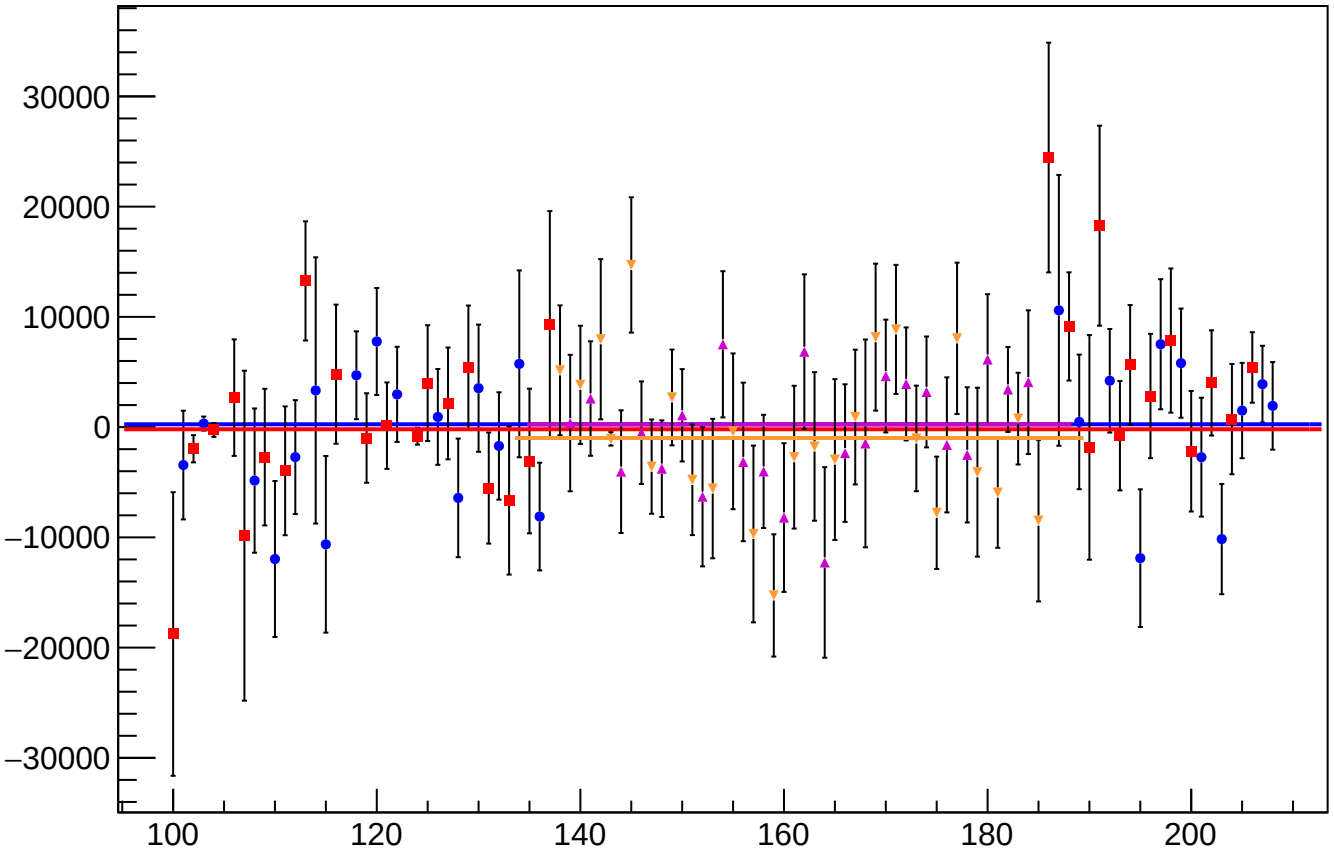
Right Out: 1678.252+/-0.295 χ^2/NDF: 419877.6/30

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1690.618+/-0.202 χ^2/NDF: 643919.1/51

All: 1693.484+/-0.144 χ^2/NDF: 1200772.9/10

- sign 1696.405+/-0.204 χ^2/NDF: 556449.1/53



Right In: 257.448+/-540.186 χ^2/NDF: 29.8/26

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

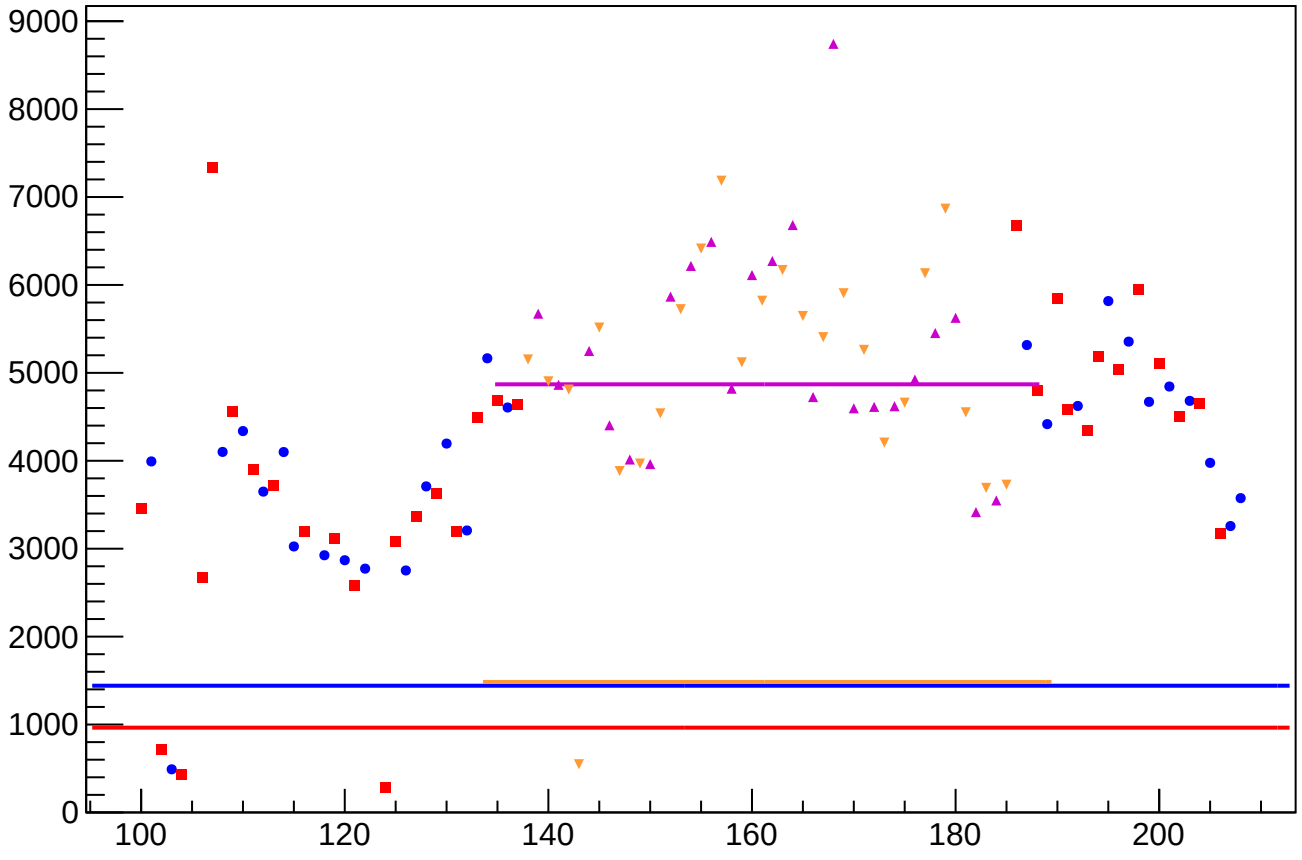
Right Out: -193.596+/-414.874 χ^2/NDF: 38.3/30

Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -363.717+/-382.338 χ^2/NDF: 63.3/51

All: -256.692+/-273.308 χ^2/NDF: 115.4/105

- sign -144.859+/-390.833 χ^2/NDF: 52.0/53



Right In: 1441.525+/-0.382 χ^2/NDF: 17061152.6/26

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 964.518+/-0.293 χ^2/NDF: 20960776.7/30

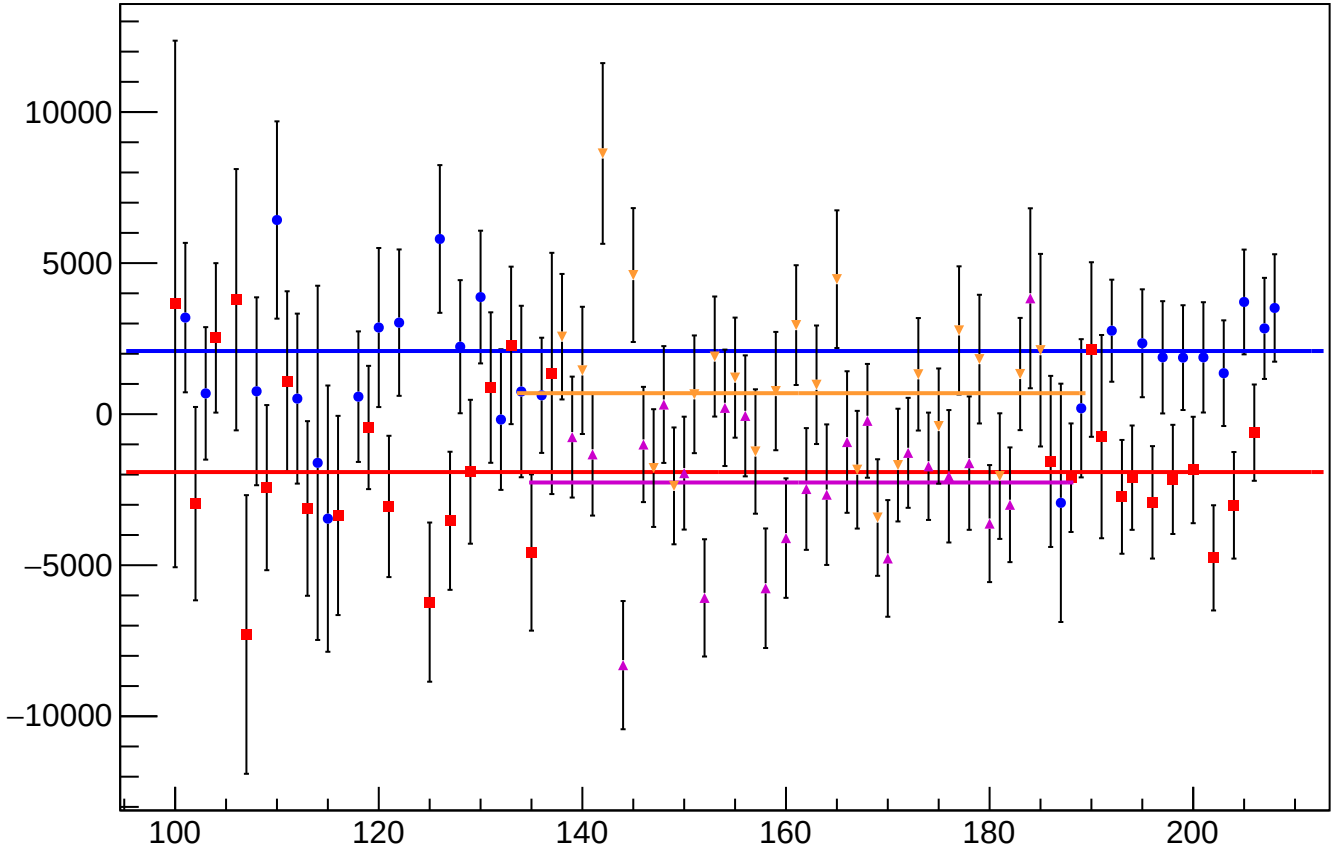
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1462.963+/-0.270 χ^2/NDF: 40293035.6/51

All: 1434.127+/-0.193 χ^2/NDF: 82693716.9/1

- sign 1403.996+/-0.276 χ^2/NDF: 42377417.9/53

dit_asym_atl_avg_mean vs Slug



Right In: 2089.935+/-420.945 χ^2/NDF: 14.7/26

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1916.555+/-425.986 χ^2/NDF: 24.1/29

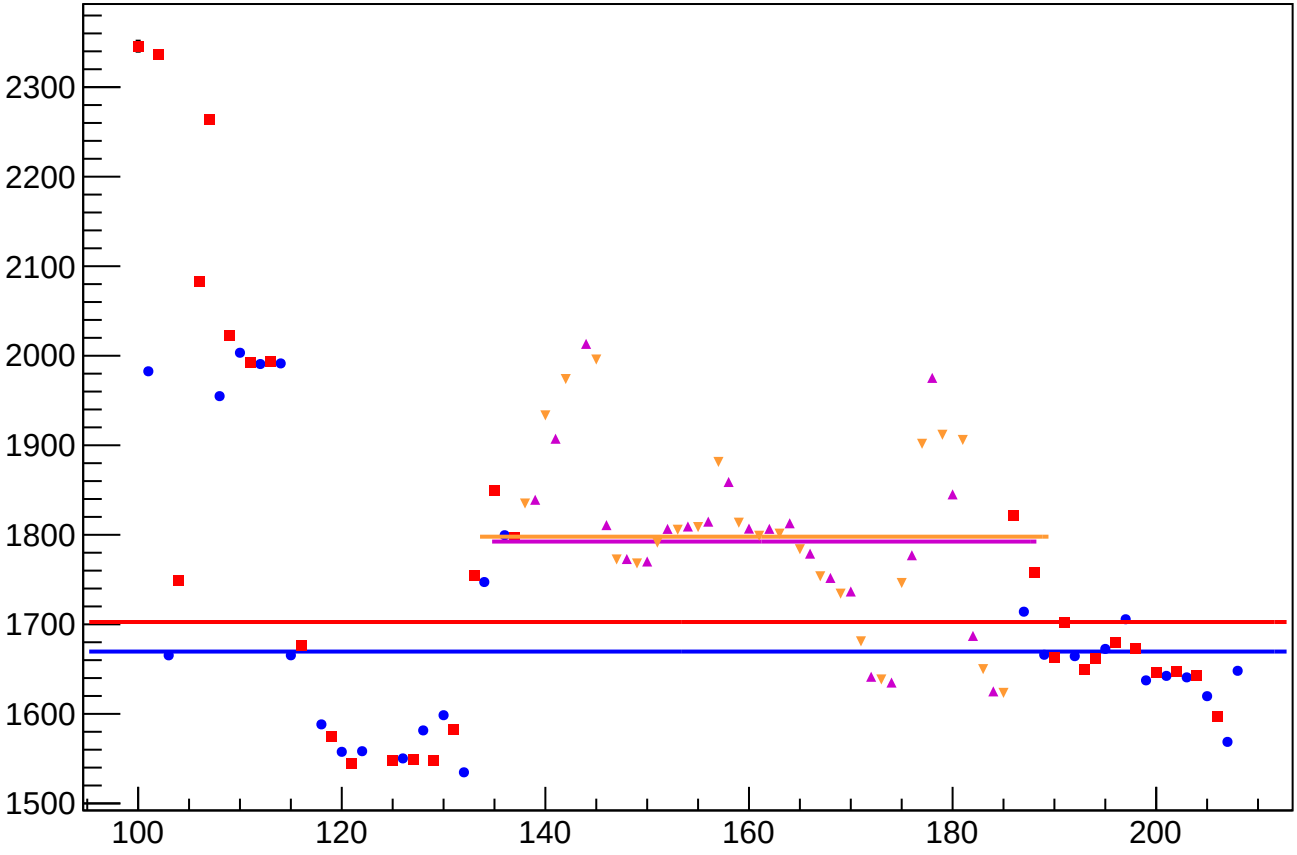
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1387.311+/-296.625 χ^2/NDF: 52.5/50

All: -339.714+/-210.504 χ^2/NDF: 175.6/103

- sign -2091.942+/-298.781 χ^2/NDF: 54.9/52

dit_asym_atl_avg_rms vs Slug



Right In: 1669.602+/-0.298 χ^2/NDF: 152016.9/26

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1702.611+/-0.301 χ^2/NDF: 283777.8/29

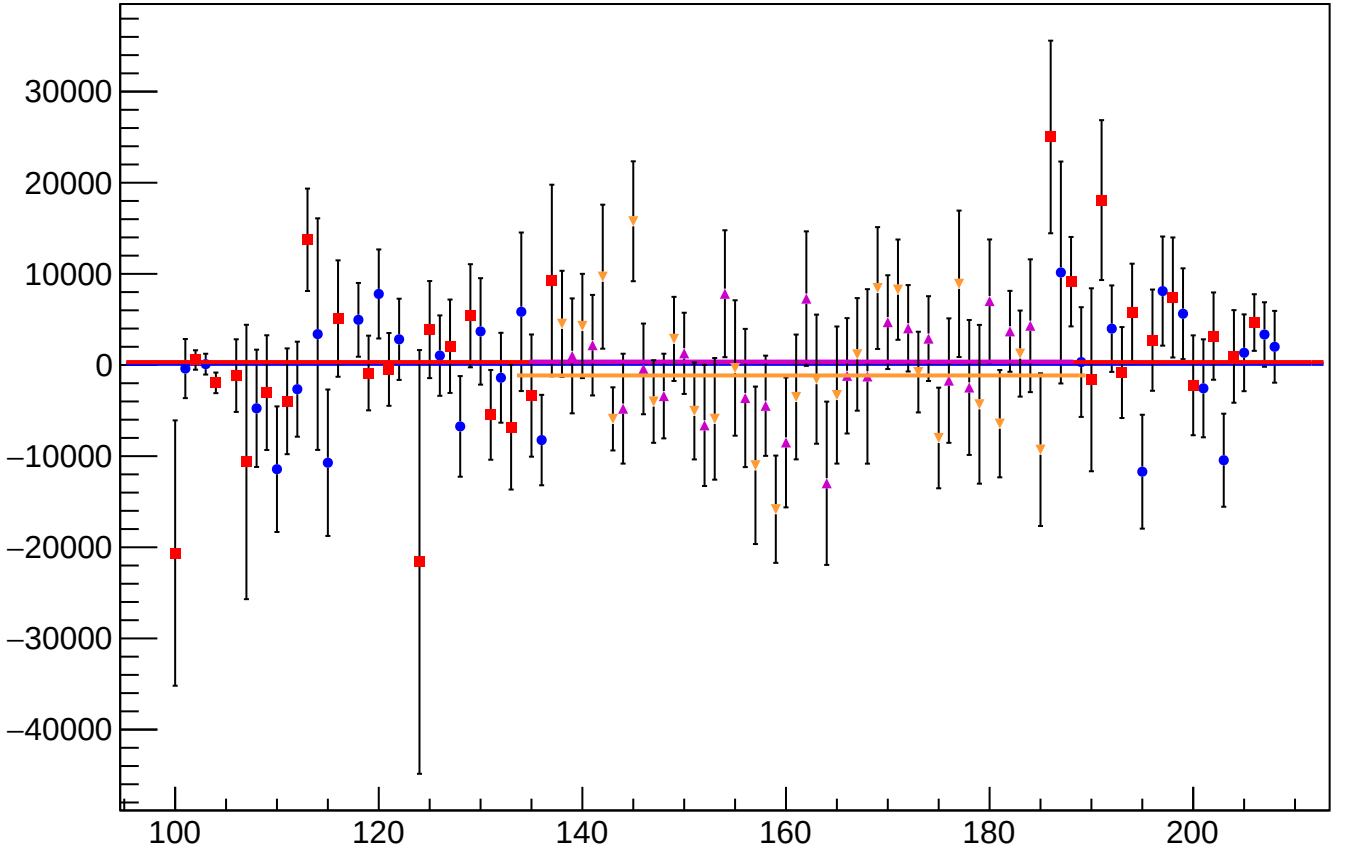
Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1734.198+/-0.210 χ^2/NDF: 343568.2/50

All: 1741.158+/-0.149 χ^2/NDF: 767675.8/103

- sign 1748.212+/-0.211 χ^2/NDF: 421890.8/52

asym_atl_avg_dit_correction_mean vs Slug



Right In: 126.242+/-750.648 χ^2/NDF: 28.8/26

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 323.560+/-621.202 χ^2/NDF: 37.6/30

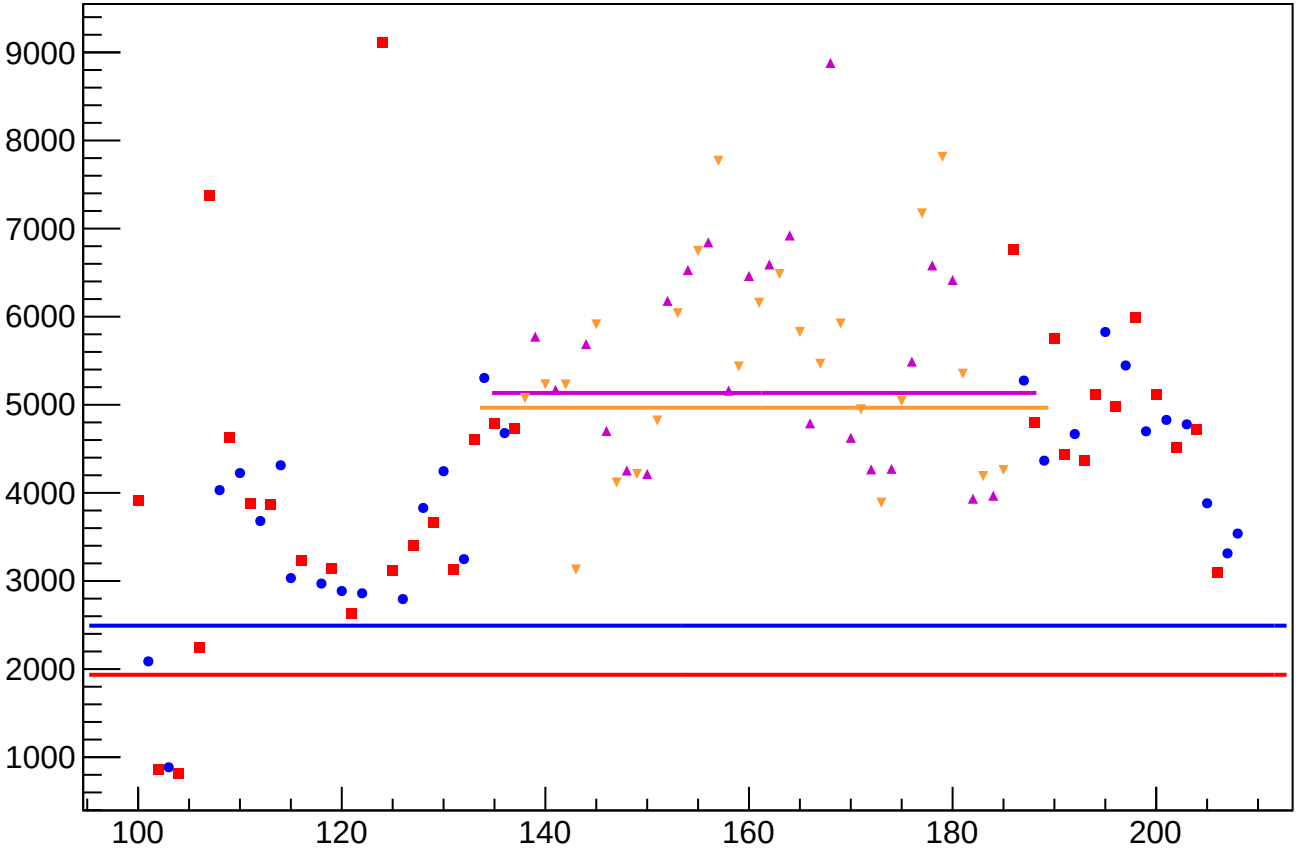
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

+ sign -246.771+/-630.919 χ^2/NDF: 62.2/51

All: 80.972+/-416.451 χ^2/NDF: 113.6/105

- sign 334.017+/-554.378 χ^2/NDF: 50.9/53

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2492.978+/-0.531 χ^2/NDF: 8809305.8/26

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1935.574+/-0.439 χ^2/NDF: 13272260.7/30

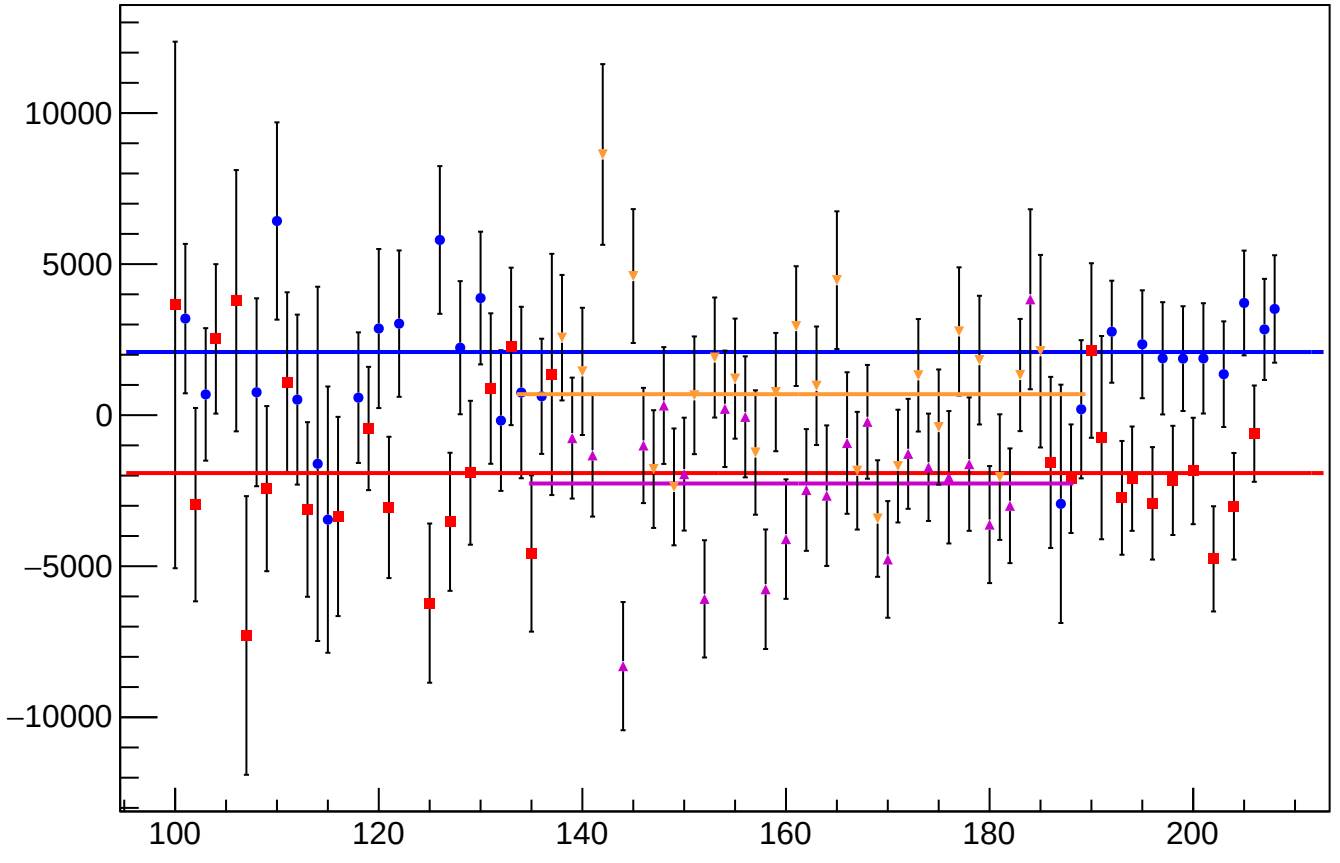
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3219.219+/-0.446 χ^2/NDF: 17104315.7/51

All: 2862.328+/-0.294 χ^2/NDF: 43794102.5/1

- sign 2586.778+/-0.392 χ^2/NDF: 25555716.9/53

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 2089.932+/-420.945 χ^2/NDF: 14.7/26

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1916.551+/-425.986 χ^2/NDF: 24.1/29

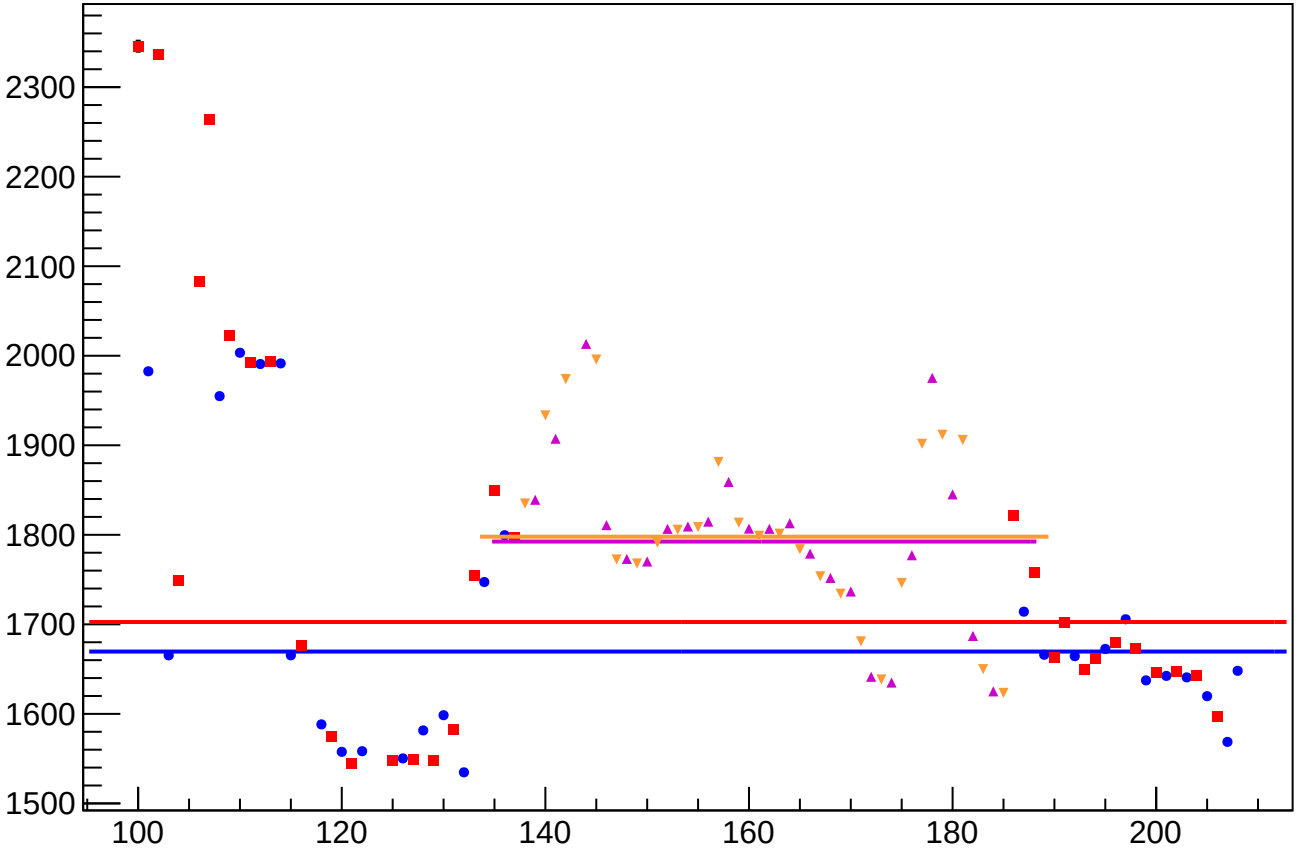
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1387.308+/-296.625 χ^2/NDF: 52.5/50

All: -339.714+/-210.504 χ^2/NDF: 175.6/103

- sign -2091.940+/-298.781 χ^2/NDF: 54.9/52

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1669.602+/-0.298 χ^2/NDF: 152017.1/26

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1702.611+/-0.301 χ^2/NDF: 283777.1/29

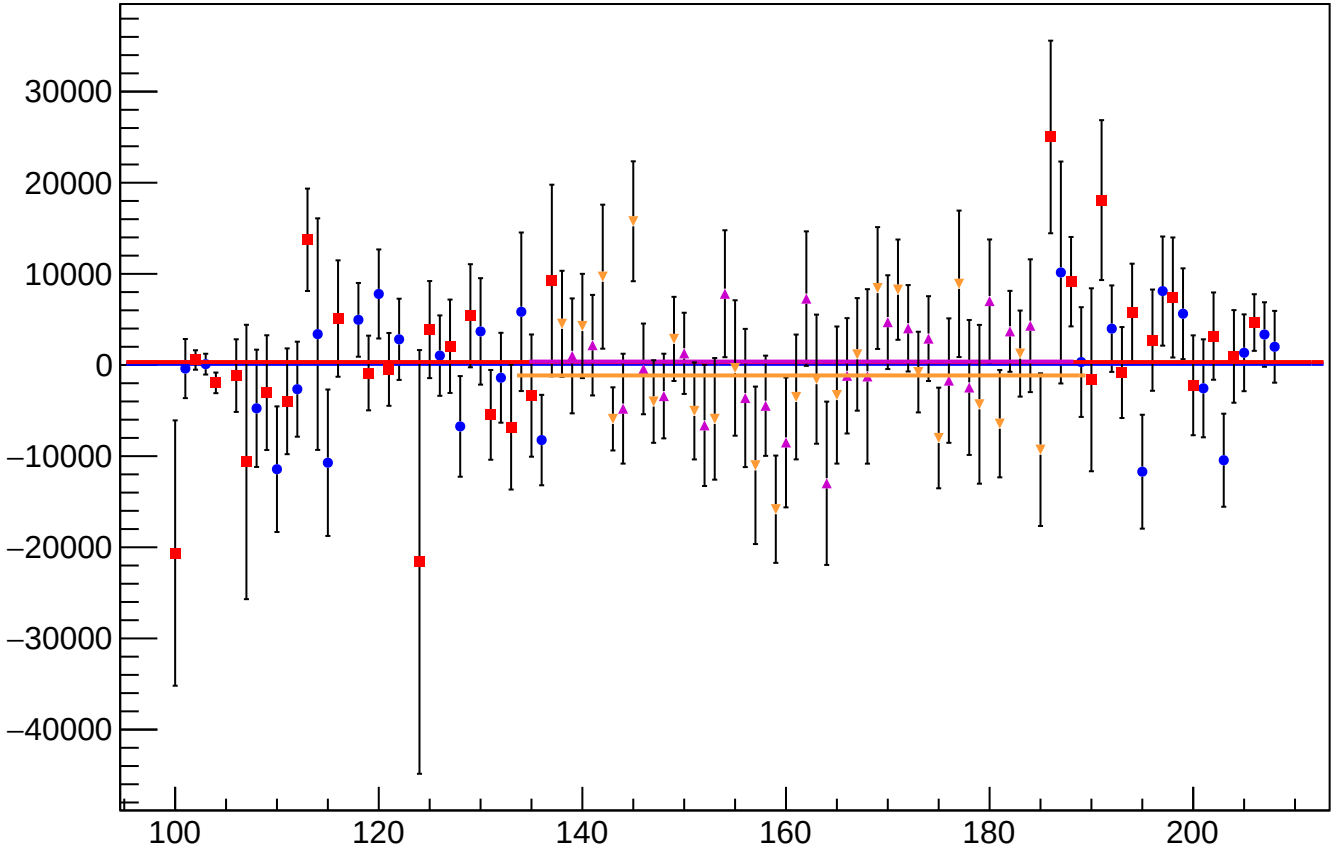
Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1734.199+/-0.210 χ^2/NDF: 343573.8/50

All: 1741.158+/-0.149 χ^2/NDF: 767685.5/103

- sign 1748.212+/-0.211 χ^2/NDF: 421894.9/52

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: 126.243+/-750.644 χ^2/NDF: 28.8/26

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 323.551+/-621.198 χ^2/NDF: 37.6/30

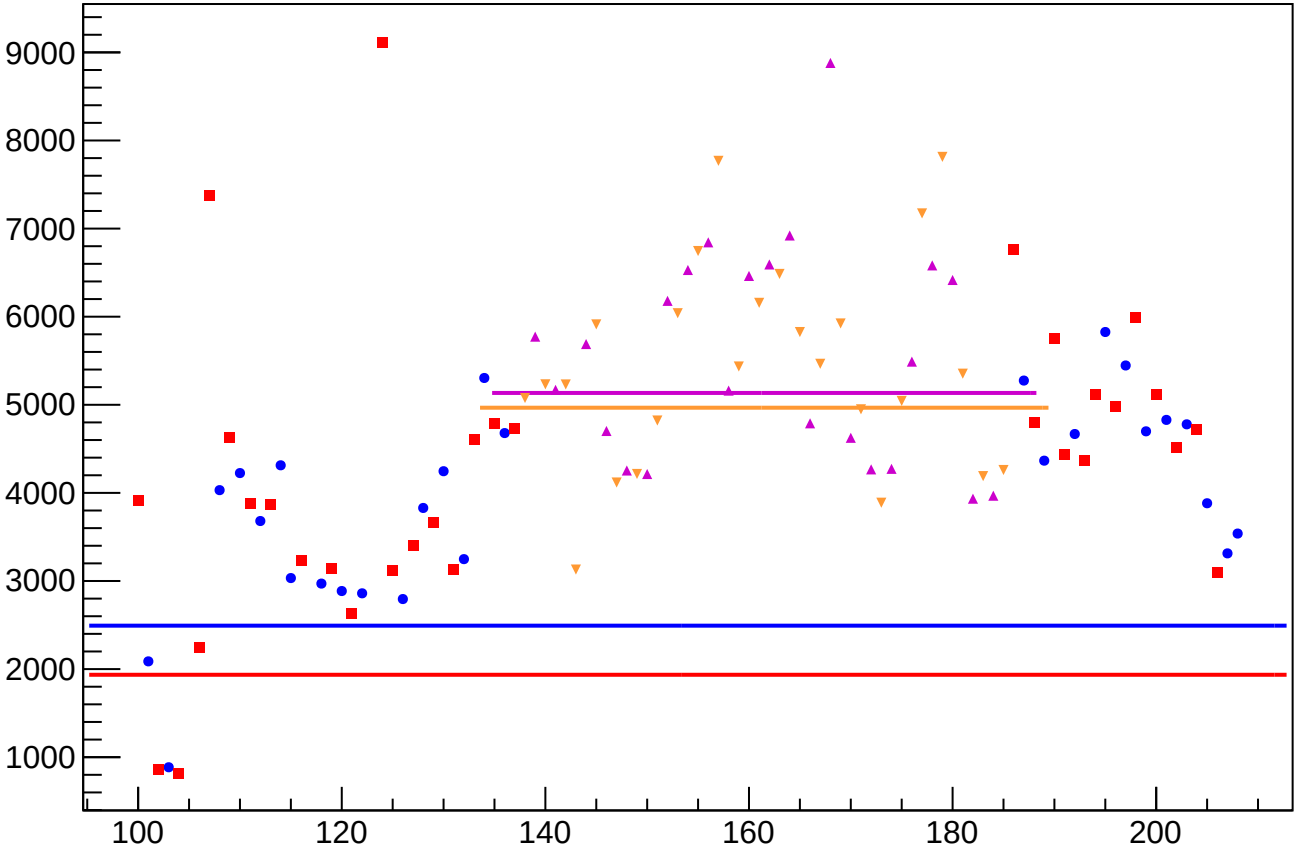
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

\+ sign -246.769+/-630.917 χ^2/NDF: 62.2/51

All: 80.969+/-416.449 χ^2/NDF: 113.6/105

\- sign 334.010+/-554.375 χ^2/NDF: 50.9/53

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2492.960+/-0.531 χ^2/NDF: 8809426.1/26

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1935.556+/-0.439 χ^2/NDF: 13272382.5/30

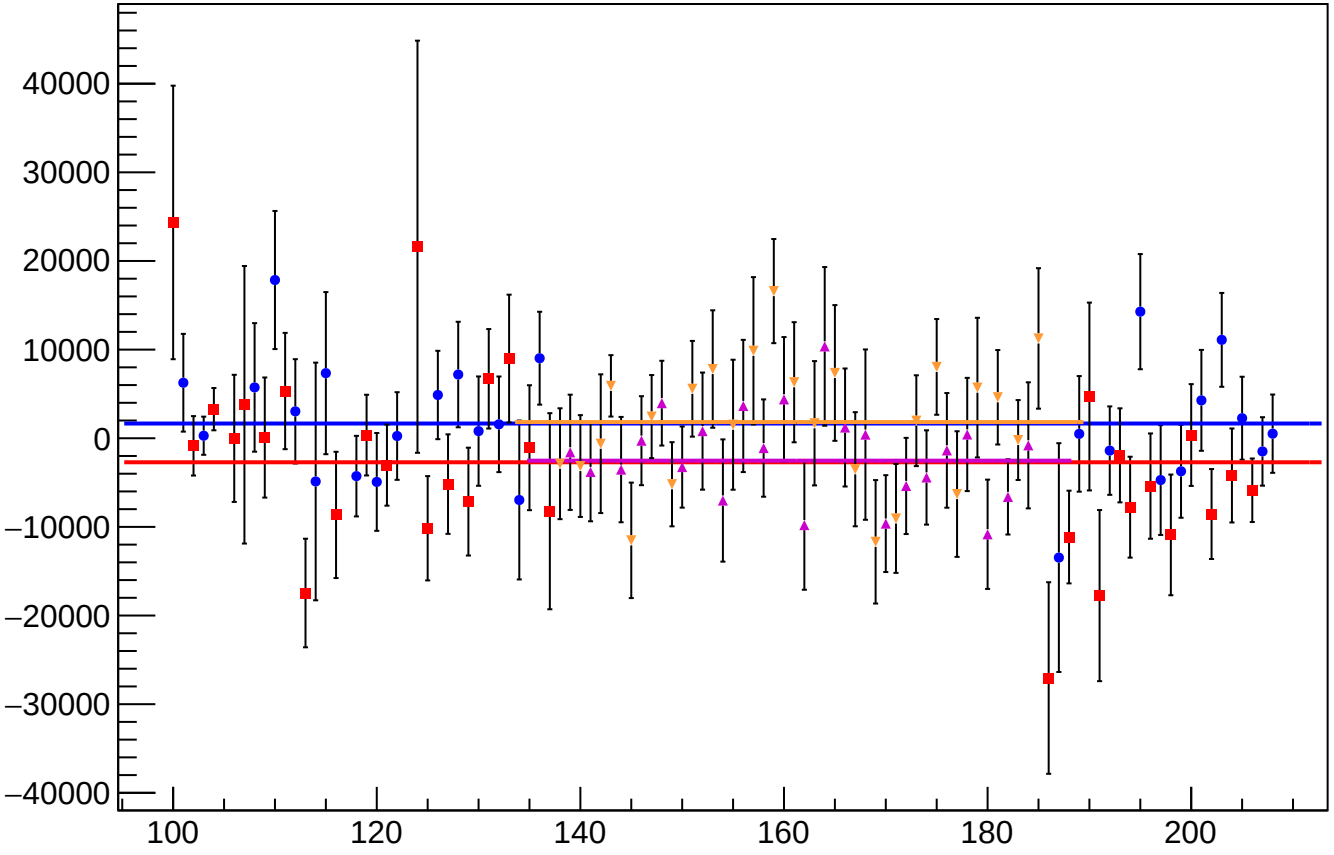
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3219.203+/-0.446 χ^2/NDF: 17104571.8/51

All: 2862.309+/-0.294 χ^2/NDF: 43794677.2/1

- sign 2586.758+/-0.392 χ^2/NDF: 25556013.5/53

asym_atl_avg_mean vs Slug



Right In: 1661.783+/-991.544 χ^2/NDF: 25.6/26

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -2710.516+/-993.806 χ^2/NDF: 43.3/30

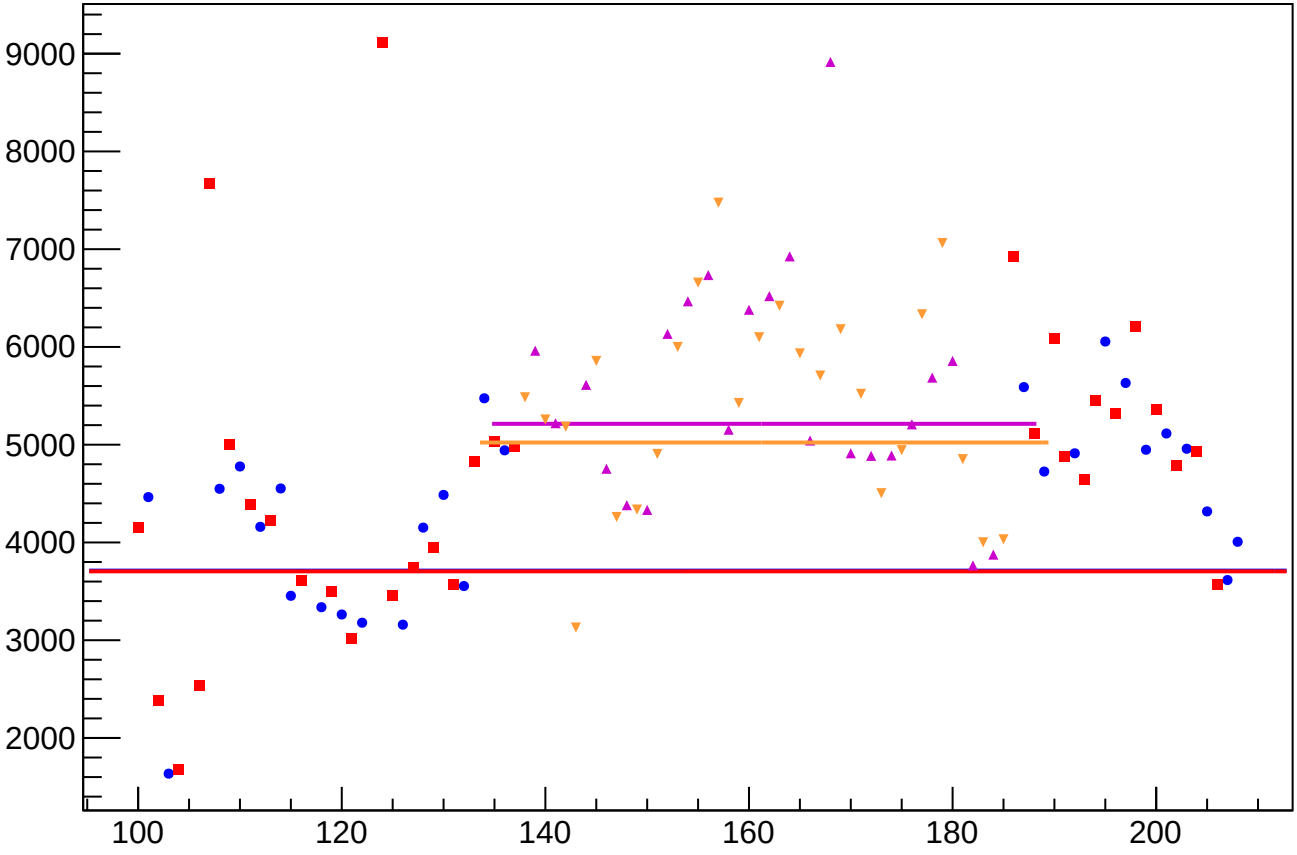
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1730.341+/-757.107 χ^2/NDF: 56.7/51

All: -400.973+/-541.905 χ^2/NDF: 129.5/105

- sign -2639.861+/-775.979 χ^2/NDF: 56.5/53

asym_atl_avg_rms vs Slug



Right In: 3711.767+/-0.701 χ^2/NDF: 3335615.5/26

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3704.591+/-0.696 χ^2/NDF: 3914331.5/30

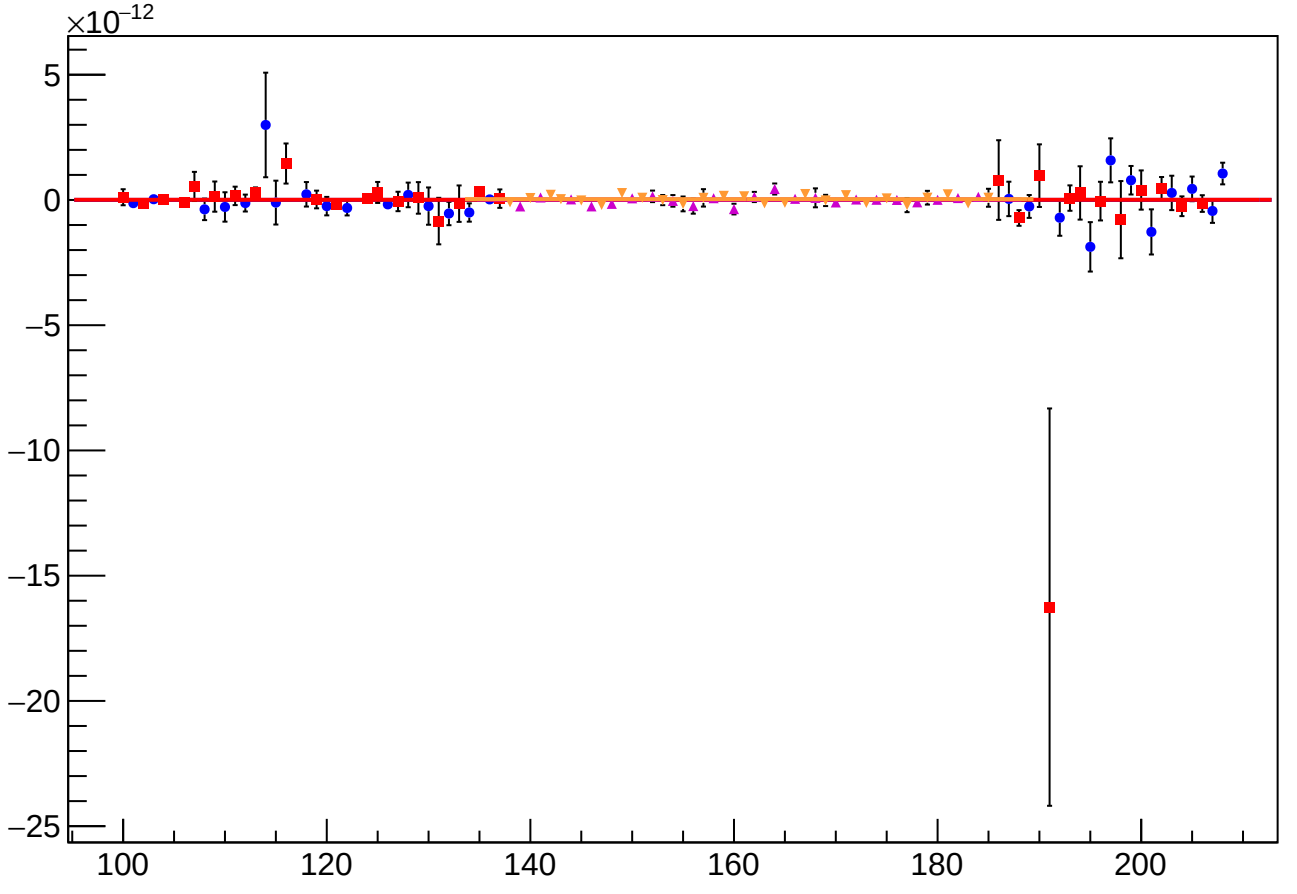
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4258.265+/-0.535 χ^2/NDF: 6469290.0/51

All: 4272.052+/-0.382 χ^2/NDF: 13422274.3/1

- sign 4286.357+/-0.545 χ^2/NDF: 6951632.9/53

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 30.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

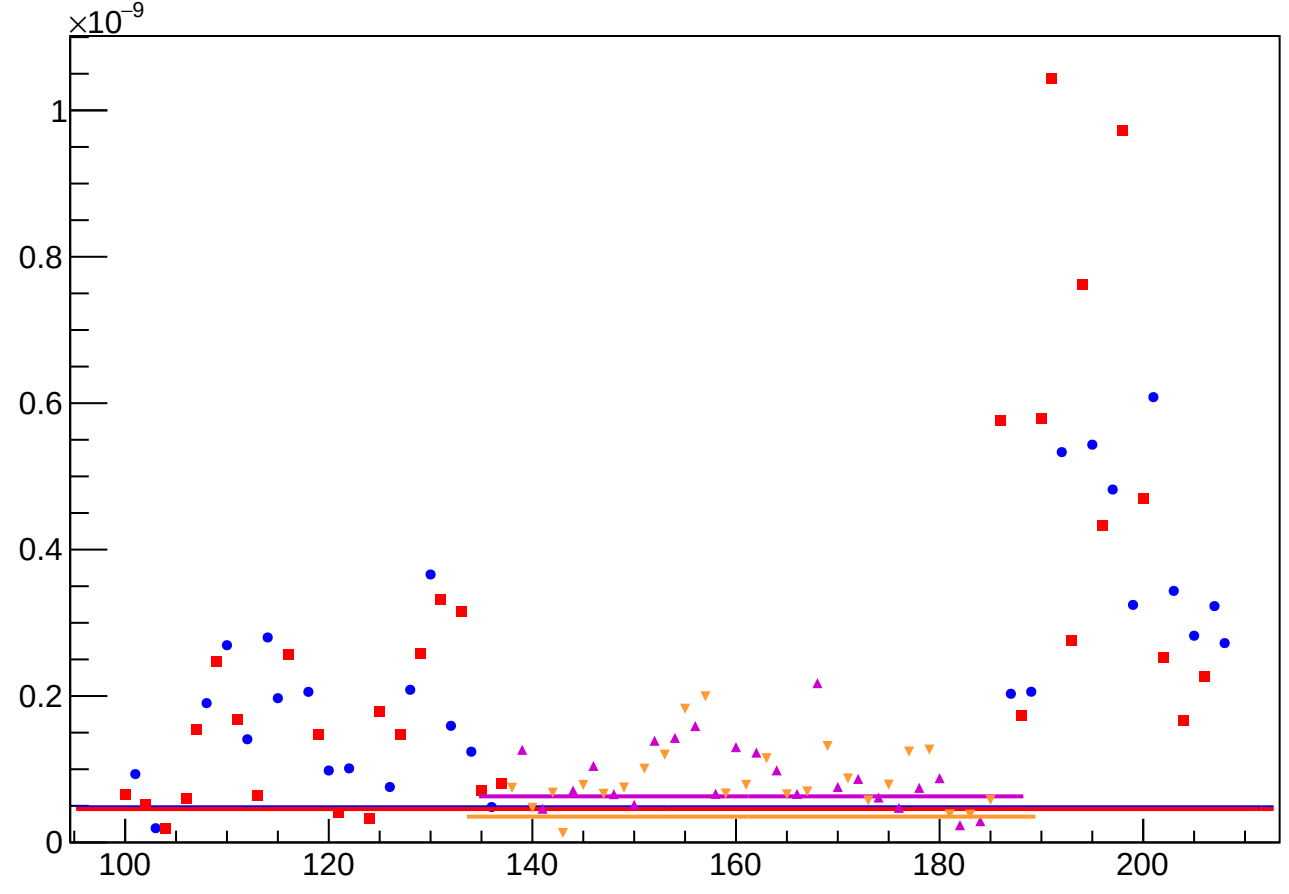
Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/30

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.1/51

All: 0.000+/-0.000 χ^2/NDF: 103.2/105

- sign 0.000+/-0.000 χ^2/NDF: 46.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 8570380.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8127847.8/30

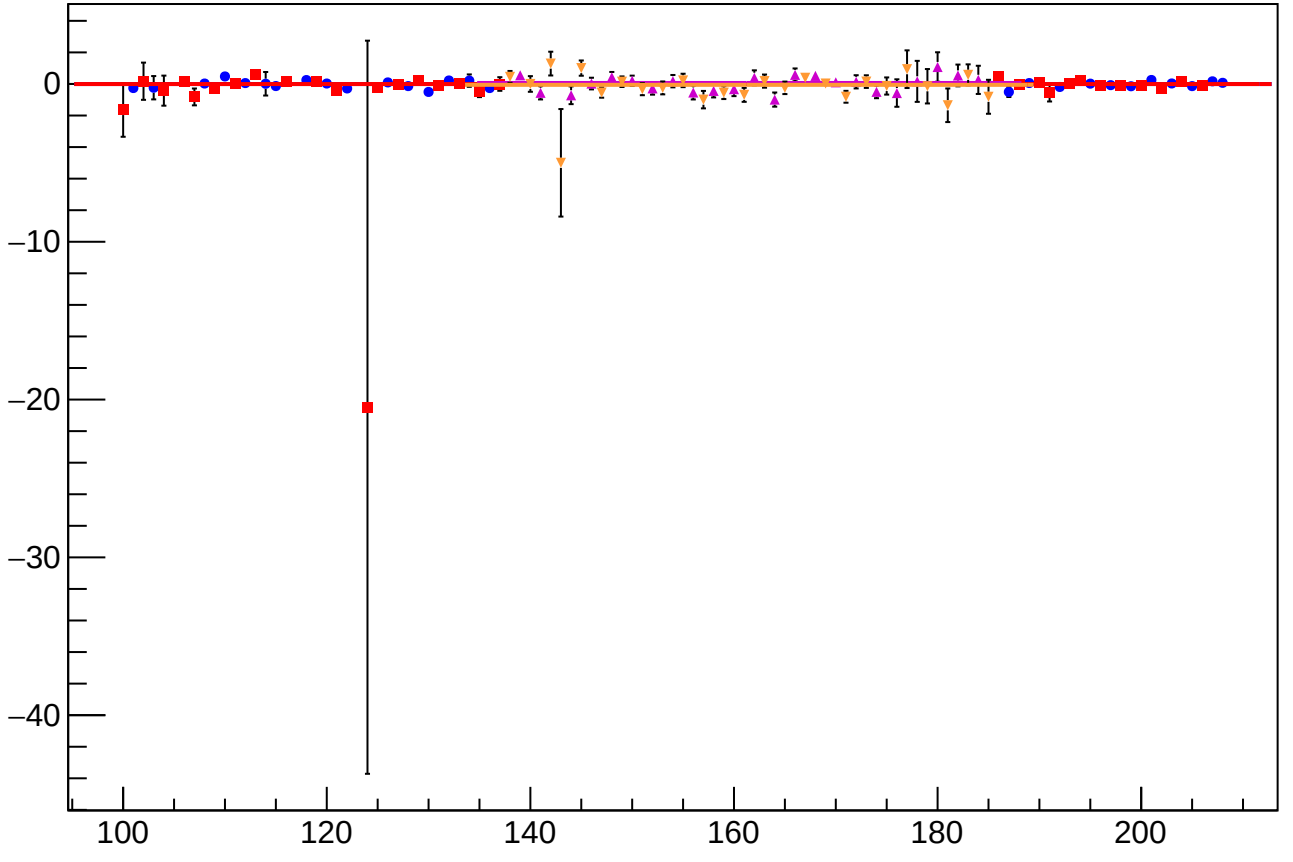
Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 15306753.3/51

All: 0.000+/-0.000 χ^2/NDF: 27567876.0/105

- sign 0.000+/-0.000 χ^2/NDF: 11400602.4/53

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.038 χ^2/NDF: 26.8/26

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.006+/-0.036 χ^2/NDF: 32.4/30

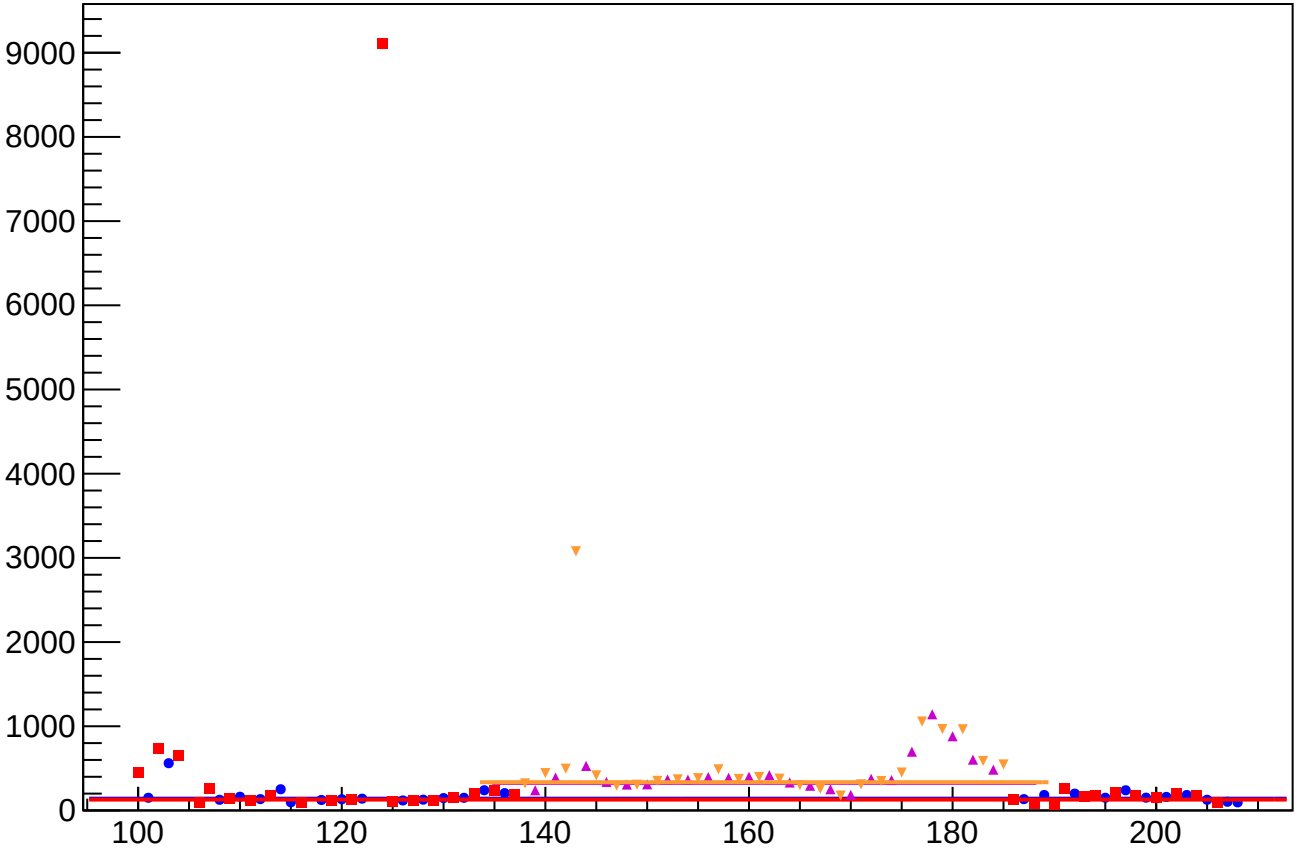
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.013+/-0.035 χ^2/NDF: 60.2/51

All: -0.003+/-0.024 χ^2/NDF: 121.3/105

- sign 0.005+/-0.033 χ^2/NDF: 61.0/53

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 139.933+/-0.027 χ^2/NDF: 2275388.6/26

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

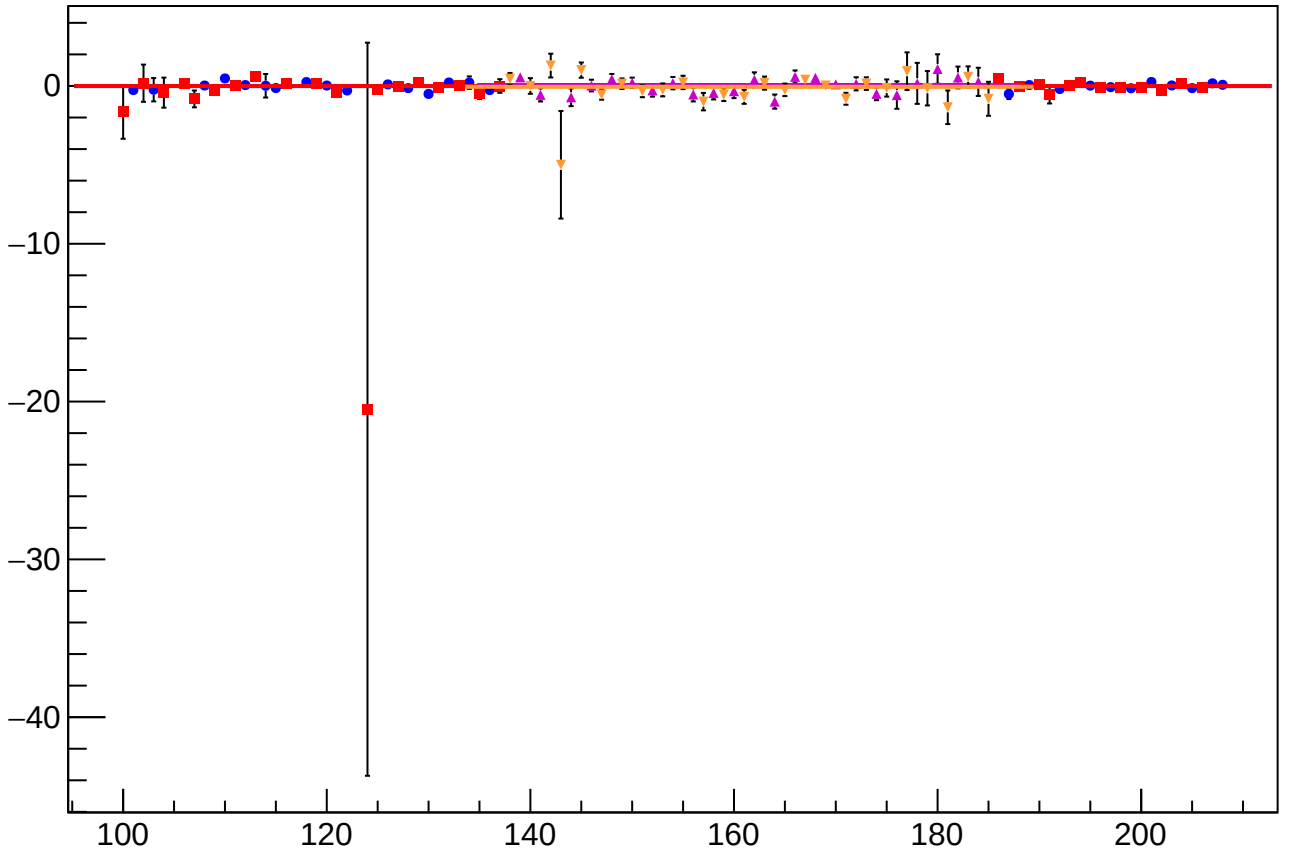
Right Out: 129.095+/-0.026 χ^2/NDF: 4196747.6/30

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 173.116+/-0.025 χ^2/NDF: 16966167.1/51

All: 167.009+/-0.017 χ^2/NDF: 35068258.7/10

- sign 161.413+/-0.024 χ^2/NDF: 17984599.6/53



Right In: -0.004+/-0.038 χ^2/NDF: 26.8/26

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.006+/-0.036 χ^2/NDF: 32.4/30

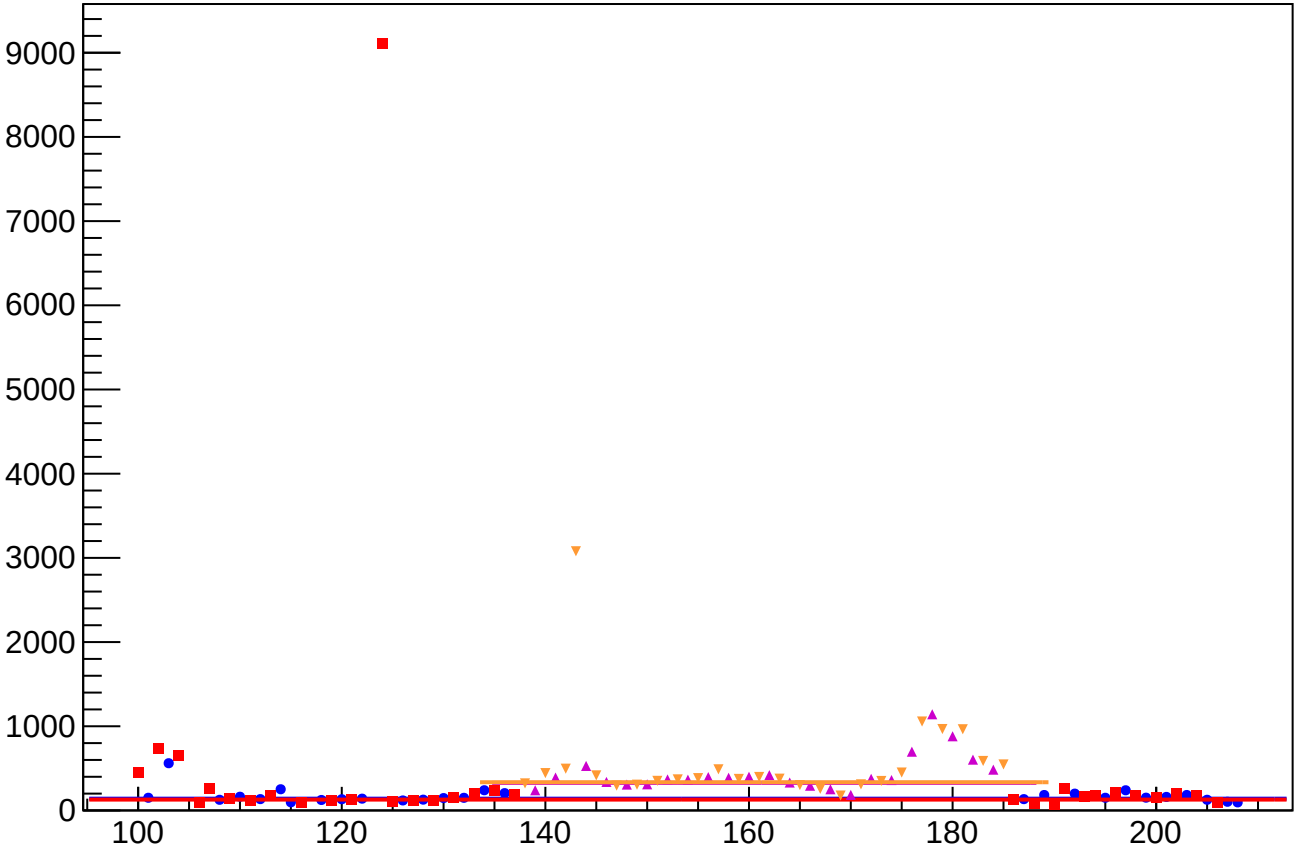
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.013+/-0.035 χ^2/NDF: 60.2/51

All: -0.003+/-0.024 χ^2/NDF: 121.3/105

- sign 0.005+/-0.033 χ^2/NDF: 61.0/53

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 139.933+/-0.027 χ^2/NDF: 2275388.6/26

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

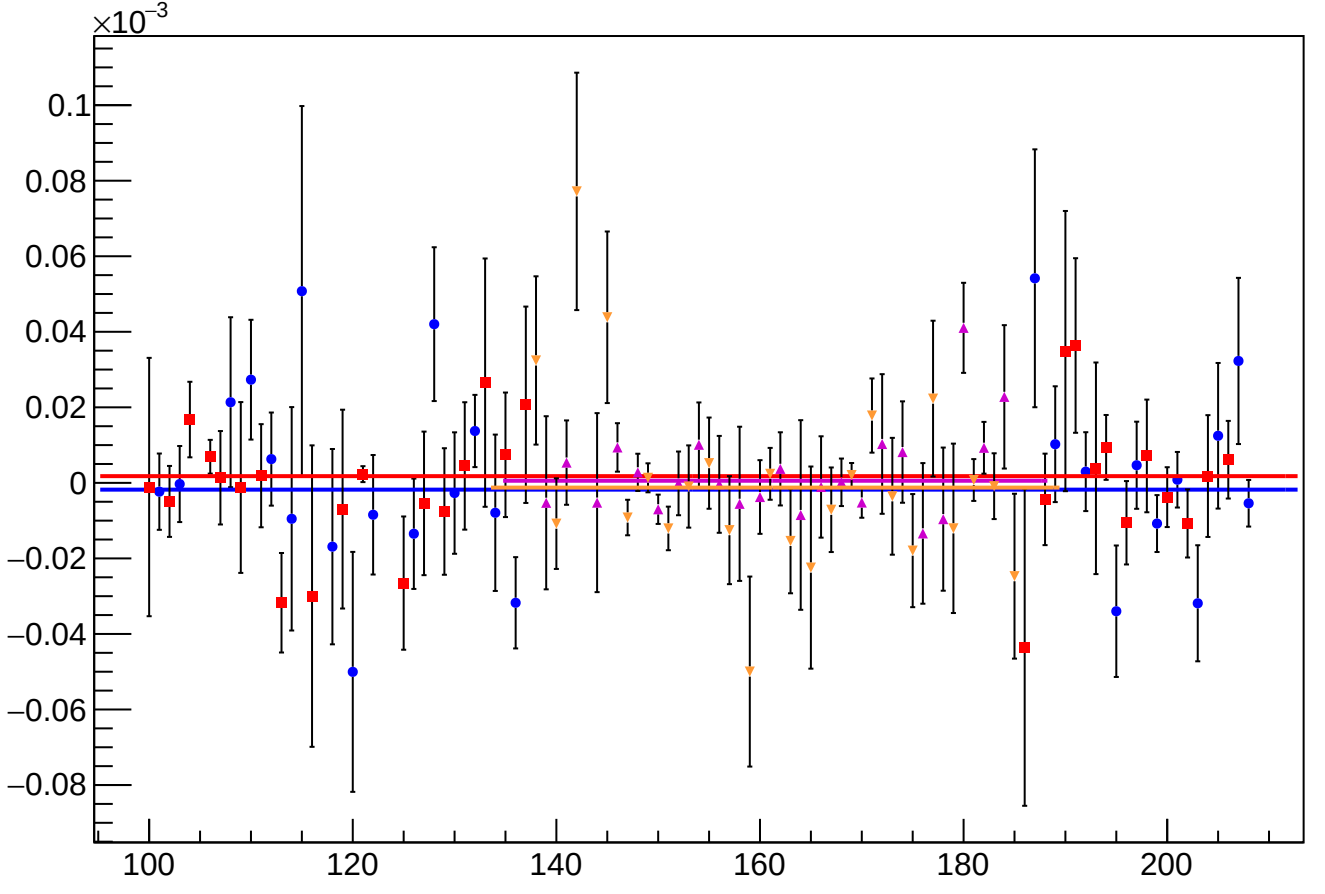
Right Out: 129.095+/-0.026 χ^2/NDF: 4196747.6/30

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 173.116+/-0.025 χ^2/NDF: 16966167.1/51

All: 167.009+/-0.017 χ^2/NDF: 35068258.7/10

- sign 161.413+/-0.024 χ^2/NDF: 17984599.6/53



Right In: -0.000+/-0.000 χ^2/NDF: 39.0/26

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

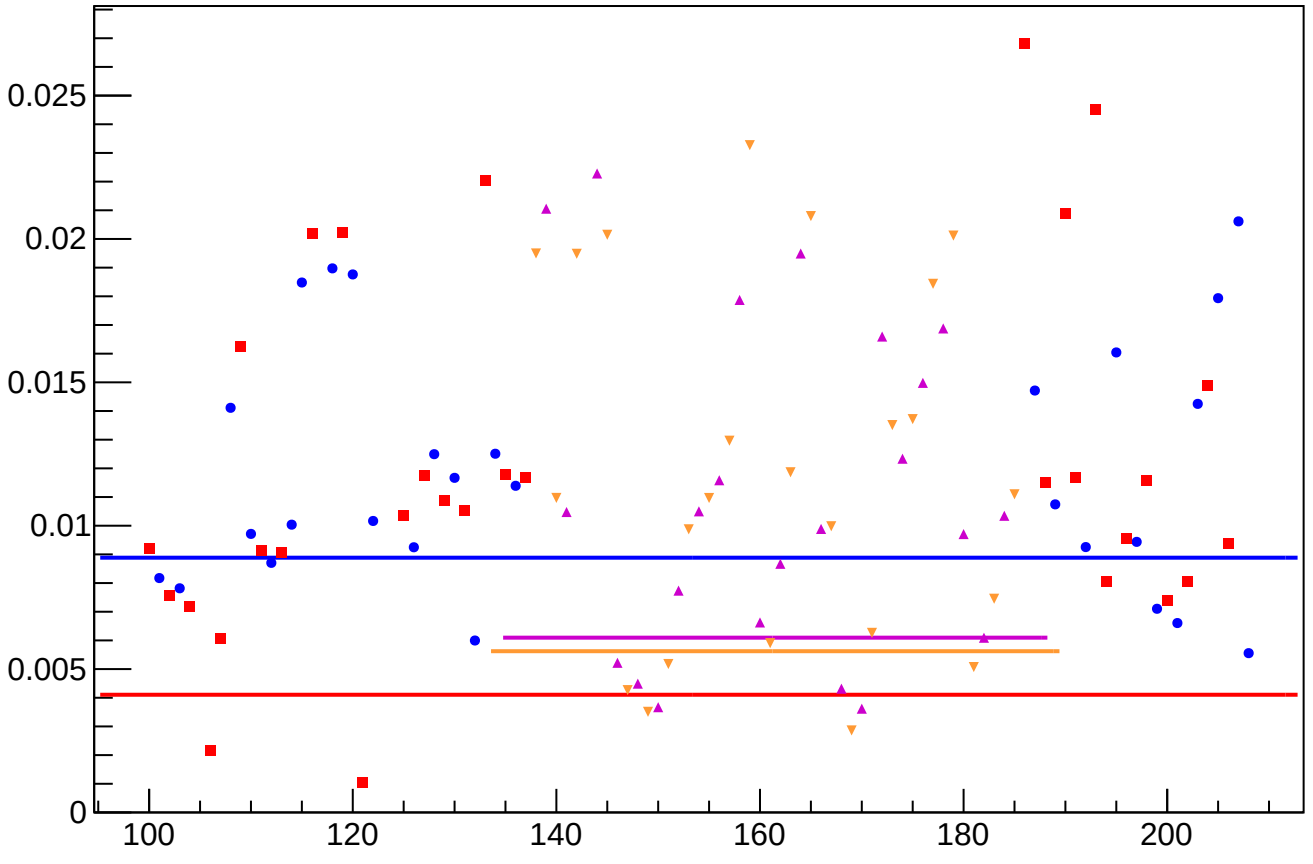
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/29

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.7/50

All: 0.000+/-0.000 χ^2/NDF: 127.6/103

- sign 0.000+/-0.000 χ^2/NDF: 50.7/52



Right In: 0.009+/-0.000 χ^2/NDF: 3763014.5/26

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

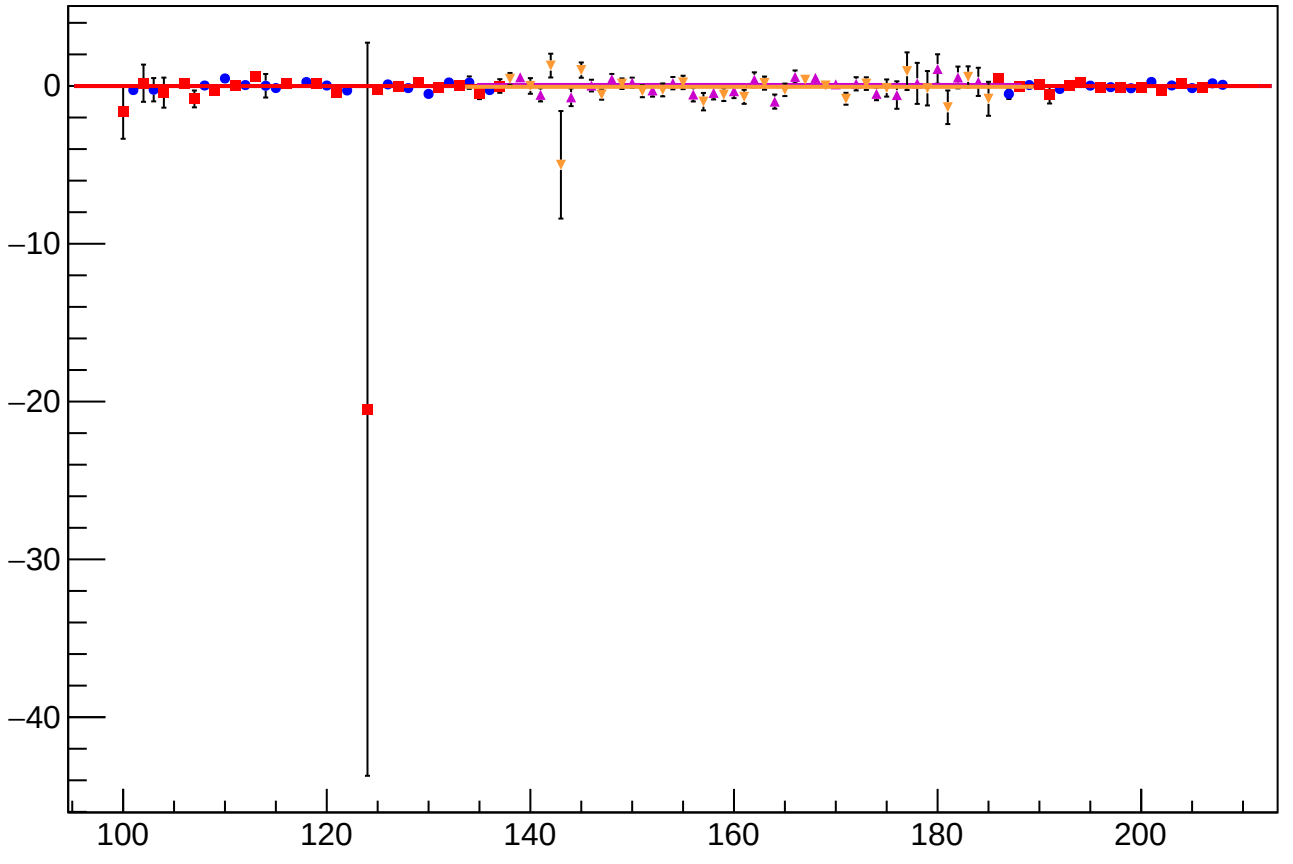
Right Out: 0.004+/-0.000 χ^2/NDF: 16292635.5/29

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 17426584.3/50

All: 0.006+/-0.000 χ^2/NDF: 45672067.0/103

- sign 0.005+/-0.000 χ^2/NDF: 26563234.7/52



Right In: -0.004+/-0.038 χ^2/NDF: 26.8/26

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.006+/-0.036 χ^2/NDF: 32.4/30

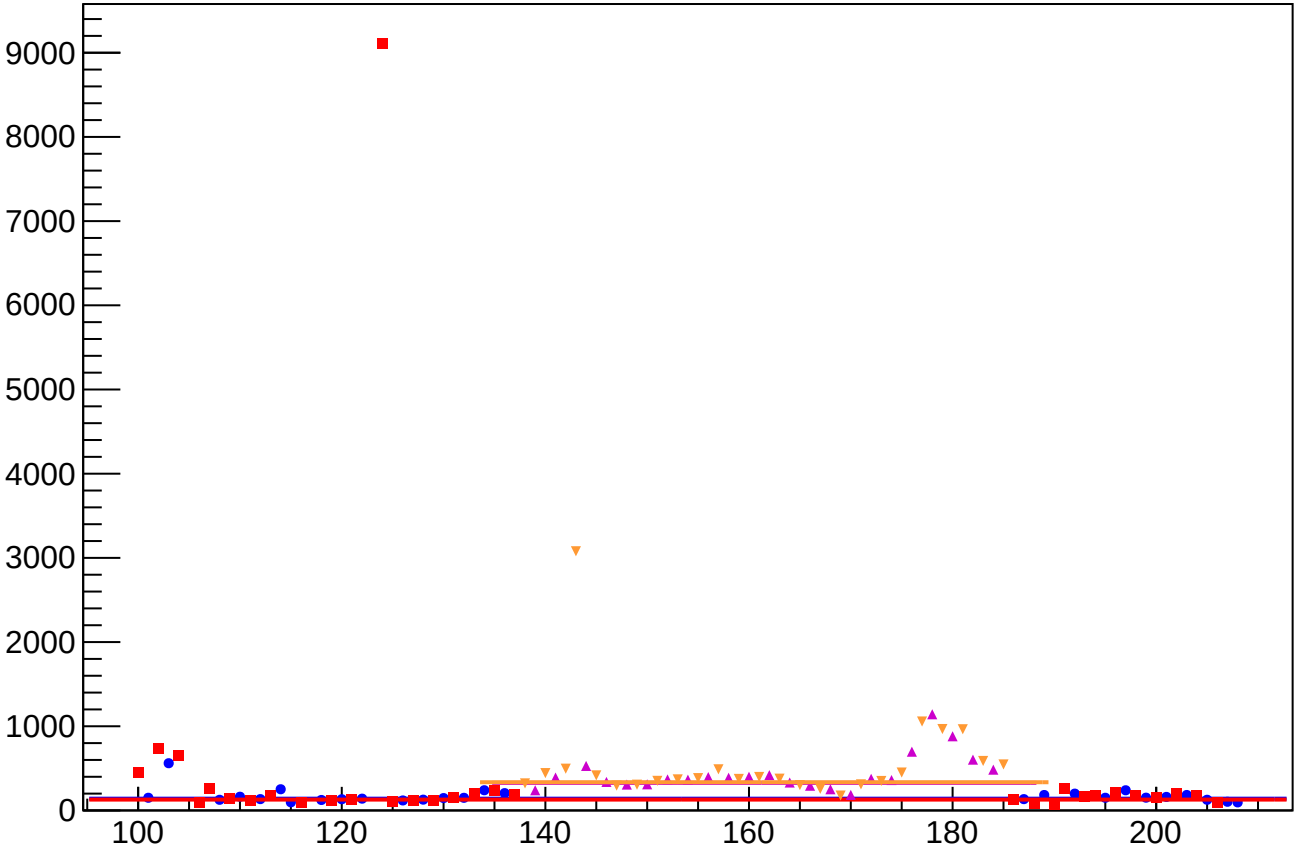
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.013+/-0.035 χ^2/NDF: 60.2/51

All: -0.003+/-0.024 χ^2/NDF: 121.3/105

- sign 0.005+/-0.033 χ^2/NDF: 61.0/53

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 139.930+/-0.027 χ^2/NDF: 2275619.4/26

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

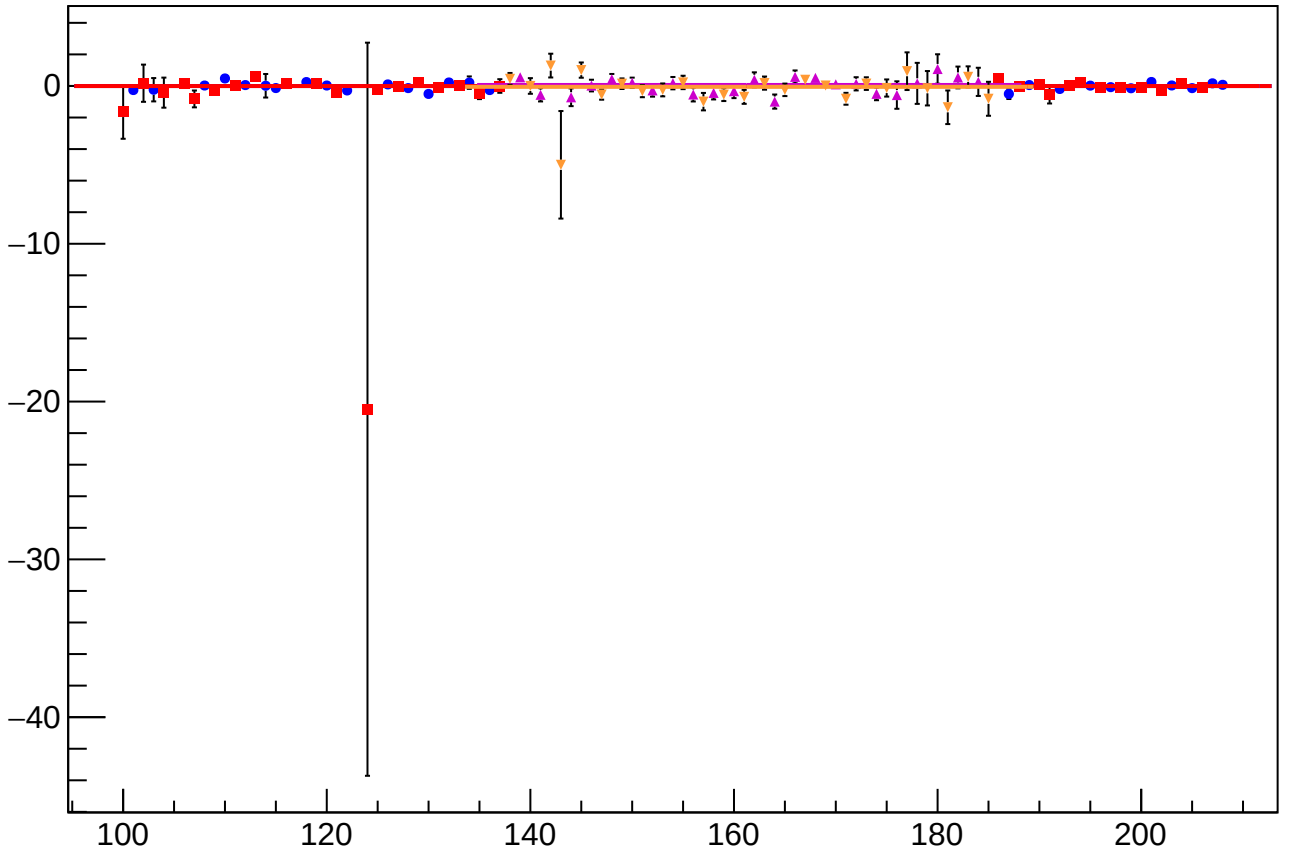
Right Out: 129.093+/-0.026 χ^2/NDF: 4196880.0/30

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 173.112+/-0.025 χ^2/NDF: 16966912.1/51

All: 167.005+/-0.017 χ^2/NDF: 35069509.9/10

- sign 161.411+/-0.024 χ^2/NDF: 17985128.6/53



Right In: -0.004+/-0.038 χ^2/NDF: 26.8/26

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

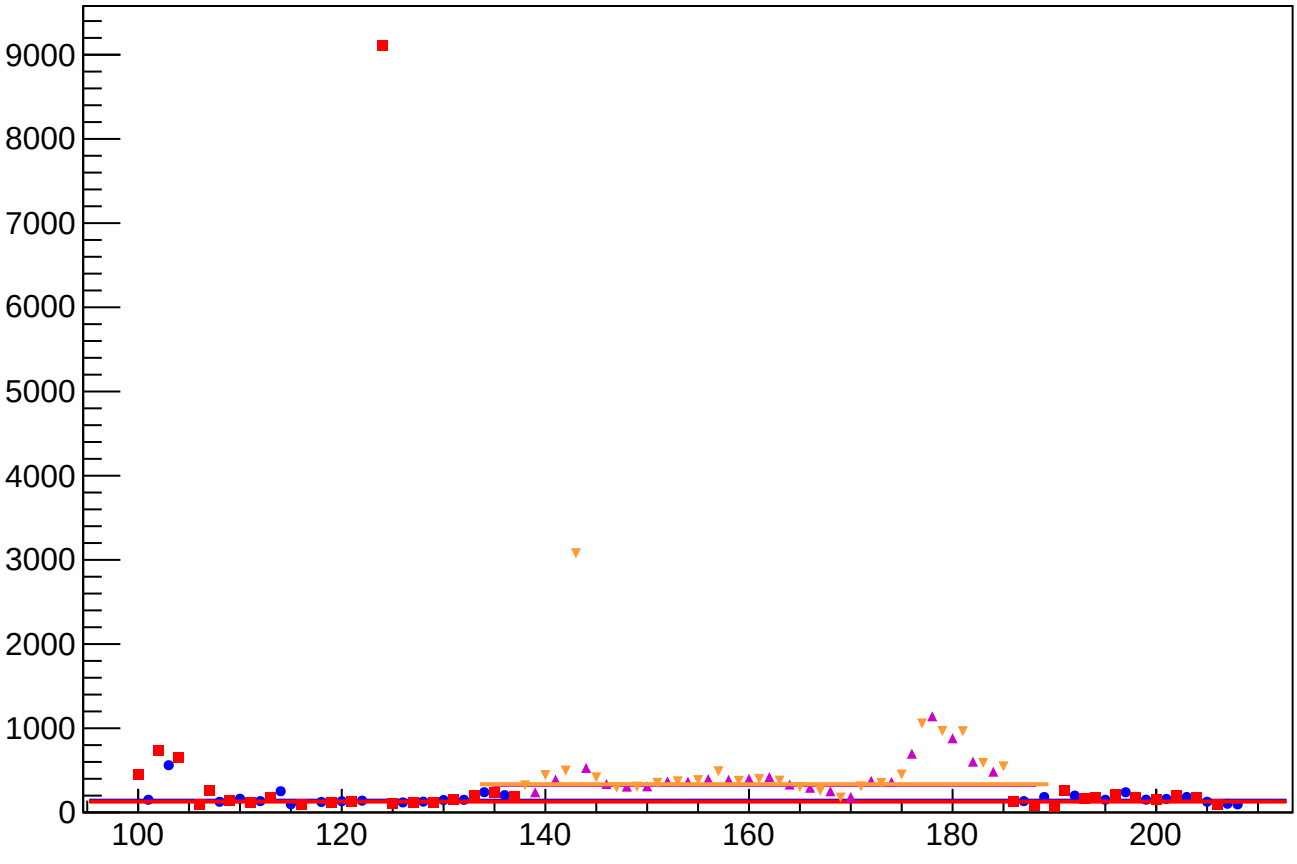
Right Out: -0.006+/-0.036 χ^2/NDF: 32.4/30

Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.013+/-0.035 χ^2/NDF: 60.2/51

All: -0.003+/-0.024 χ^2/NDF: 121.3/105

- sign 0.005+/-0.033 χ^2/NDF: 61.0/53



Right In: 139.930+/-0.027 χ^2/NDF: 2275619.4/26

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

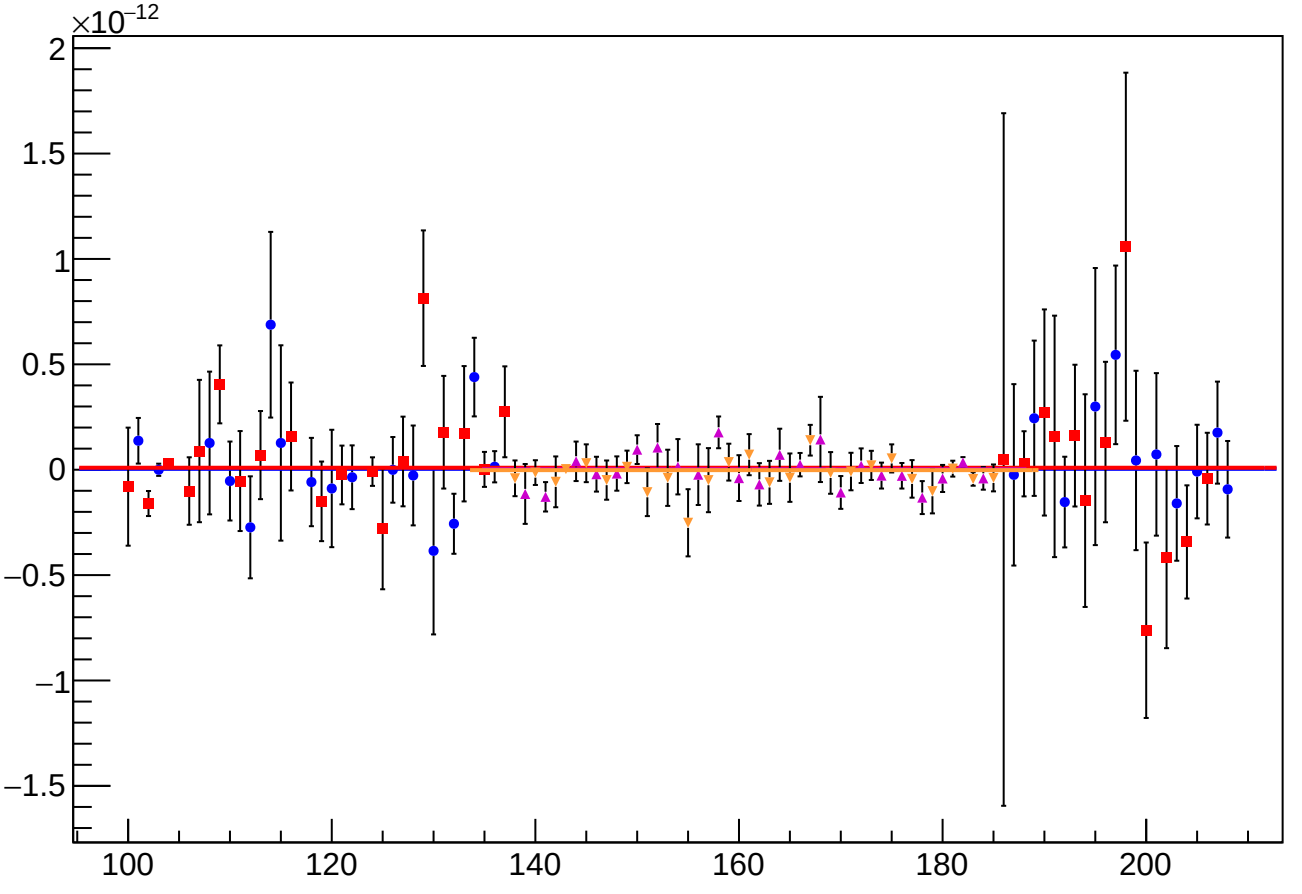
Right Out: 129.093+/-0.026 χ^2/NDF: 4196880.0/30

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 173.112+/-0.025 χ^2/NDF: 16966912.1/51

All: 167.005+/-0.017 χ^2/NDF: 35069509.9/10

- sign 161.411+/-0.024 χ^2/NDF: 17985128.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 19.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

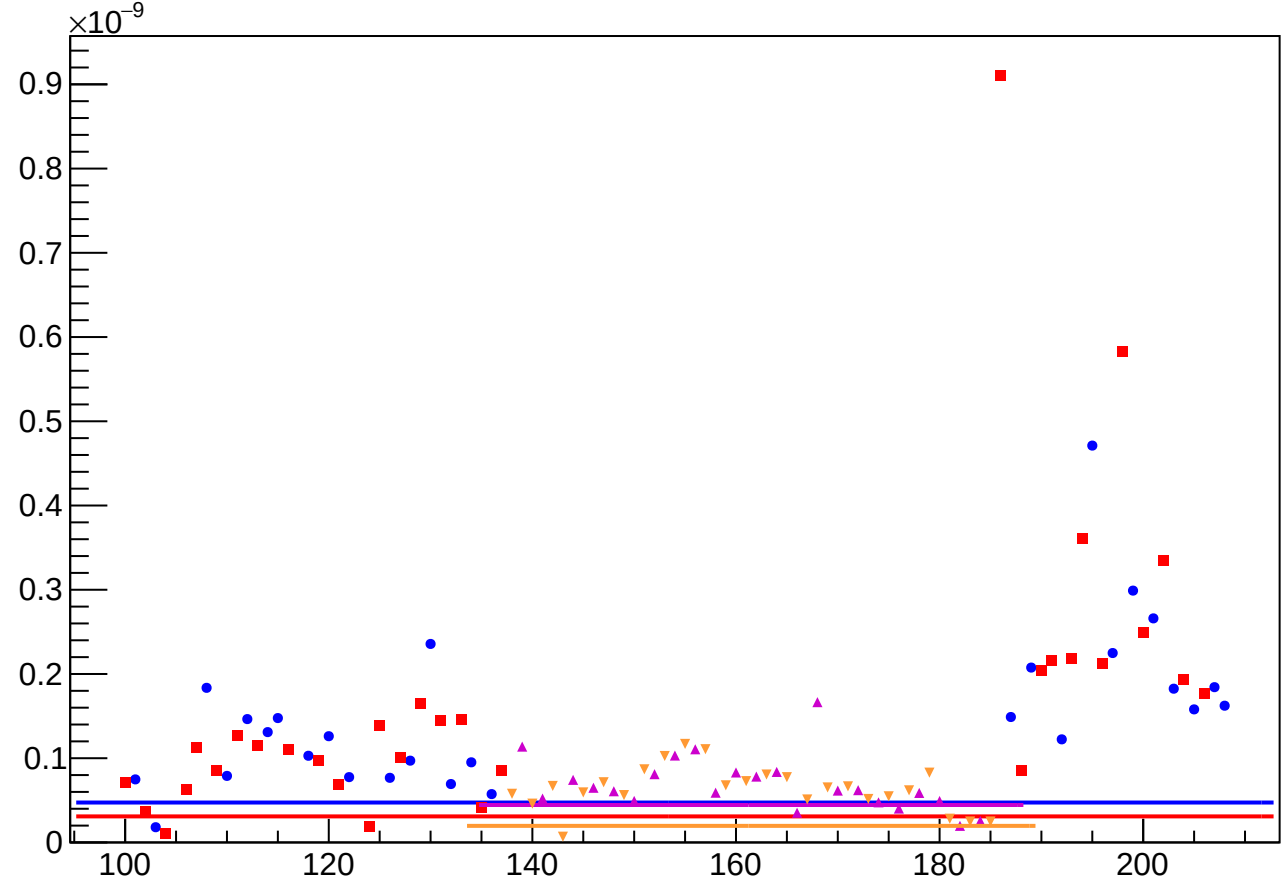
Right Out: 0.000+/-0.000 χ^2/NDF: 33.7/30

Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.2/51

All: 0.000+/-0.000 χ^2/NDF: 89.7/105

- sign 0.000+/-0.000 χ^2/NDF: 56.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 9654915.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12191228.4/30

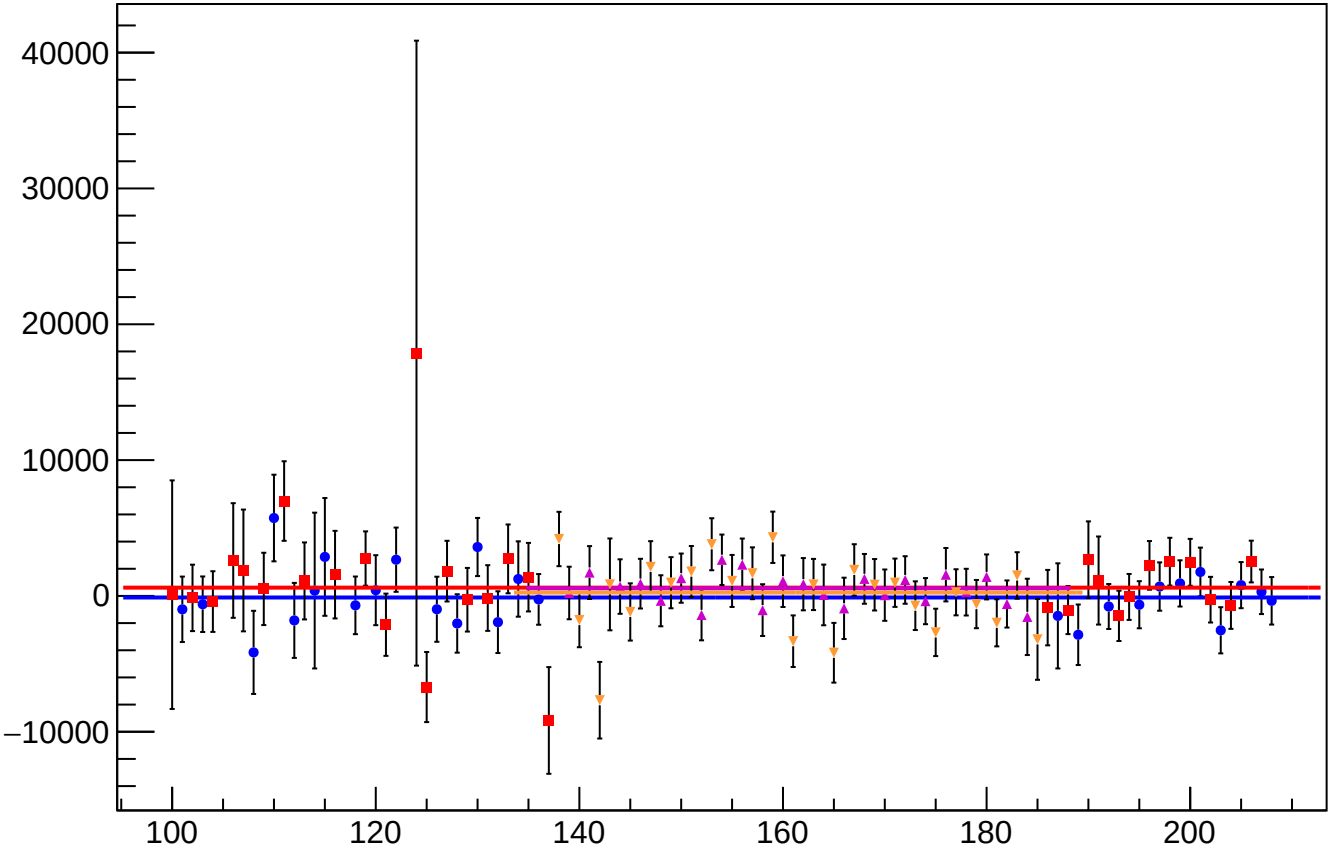
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 27087440.2/51

All: 0.000+/-0.000 χ^2/NDF: 48811212.2/105

- sign 0.000+/-0.000 χ^2/NDF: 18800815.6/53

reg_asym_atl_dd_mean vs Slug



Right In: -114.769+/-410.591 χ^2/NDF: 18.4/26

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 610.329+/-412.154 χ^2/NDF: 32.9/30

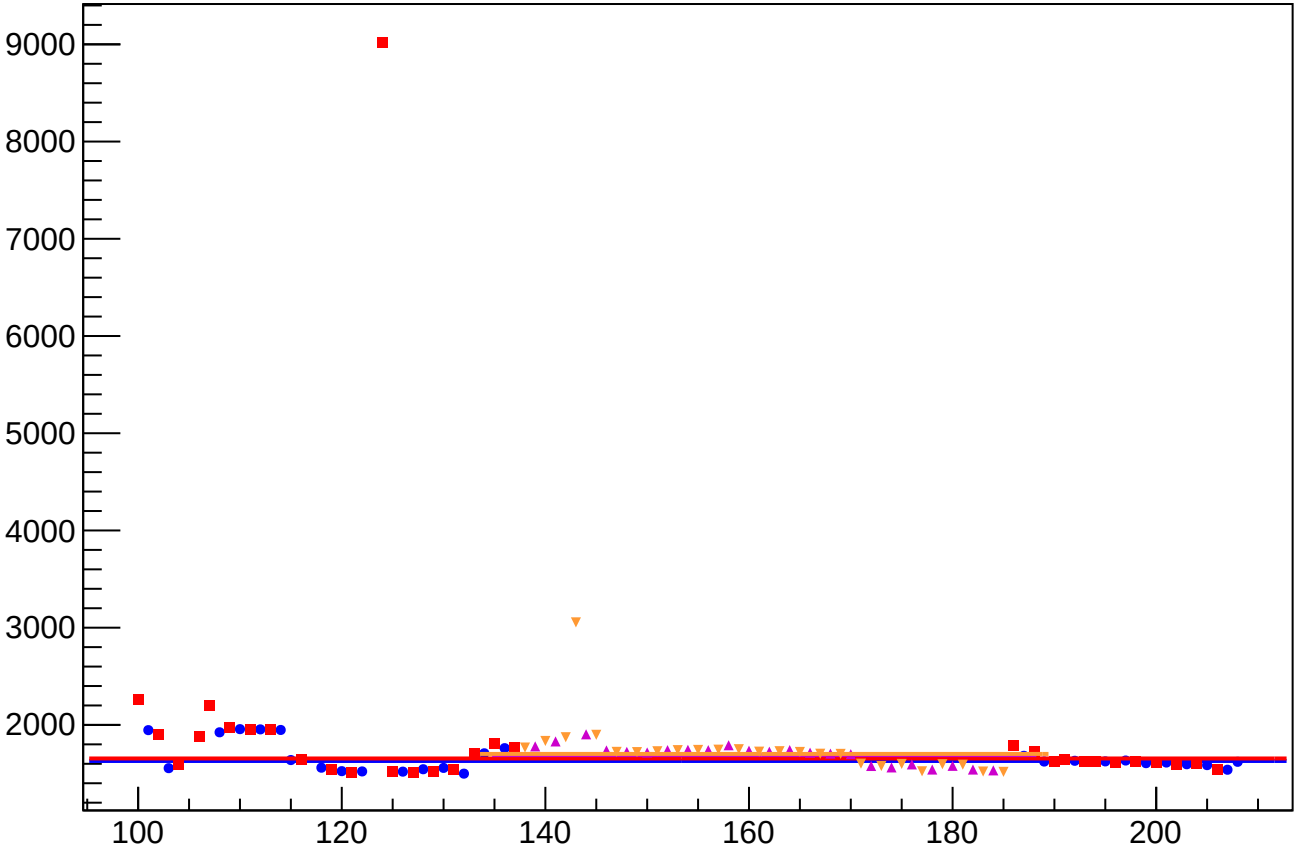
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 76.608+/-282.323 χ^2/NDF: 58.4/51

All: 327.763+/-200.649 χ^2/NDF: 100.5/105

- sign 584.100+/-285.221 χ^2/NDF: 40.4/53

reg_asym_atl_dd_rms vs Slug



Right In: 1629.164+/-0.290 χ^2/NDF: 157127.7/26

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1654.755+/-0.291 χ^2/NDF: 421663.0/30

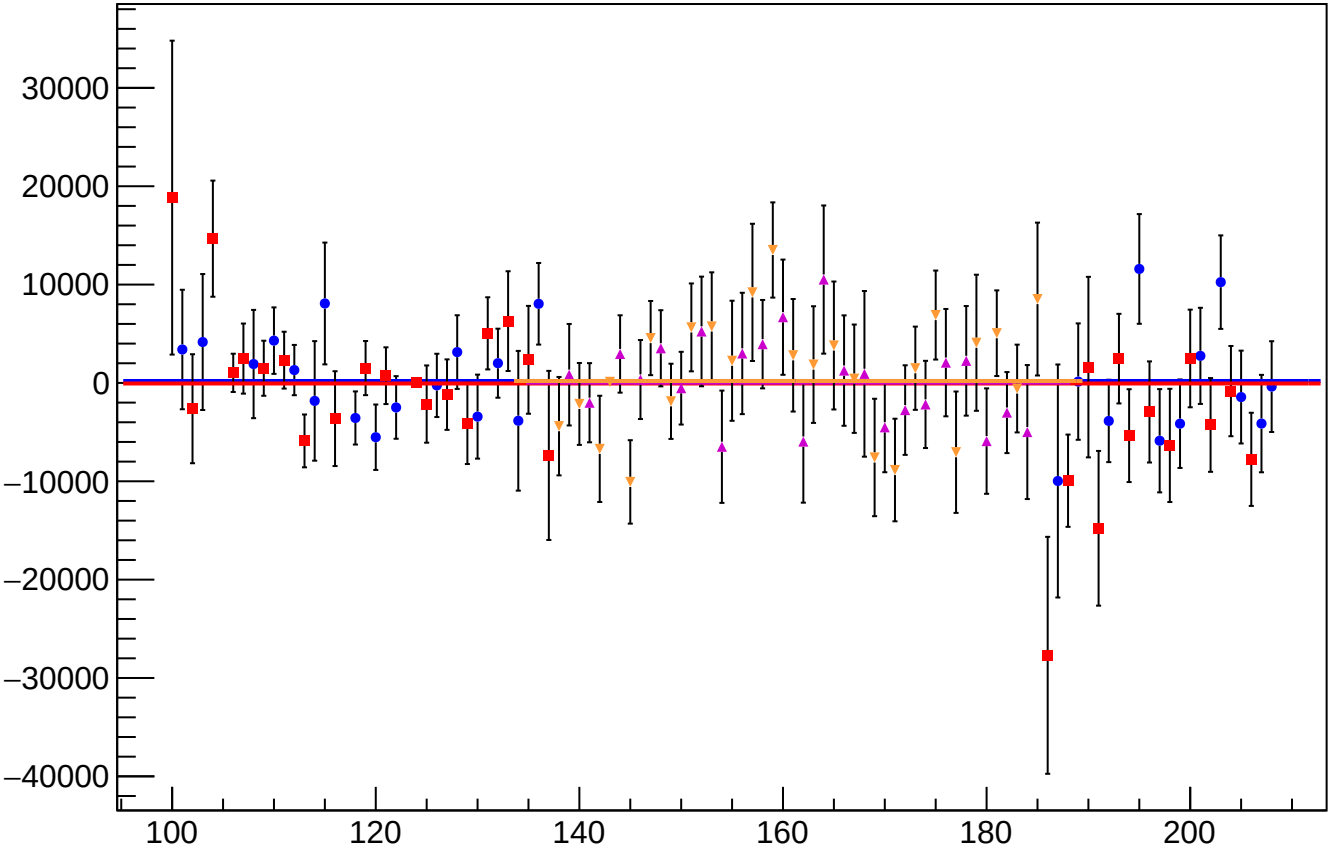
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1667.343+/-0.200 χ^2/NDF: 642308.3/51

All: 1669.997+/-0.142 χ^2/NDF: 1193965.1/10

- sign 1672.701+/-0.201 χ^2/NDF: 551299.9/53

asym_atl_dd_reg_correction_mean vs Slug



Right In: 197.619+/-813.275 χ^2/NDF: 29.0/26

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

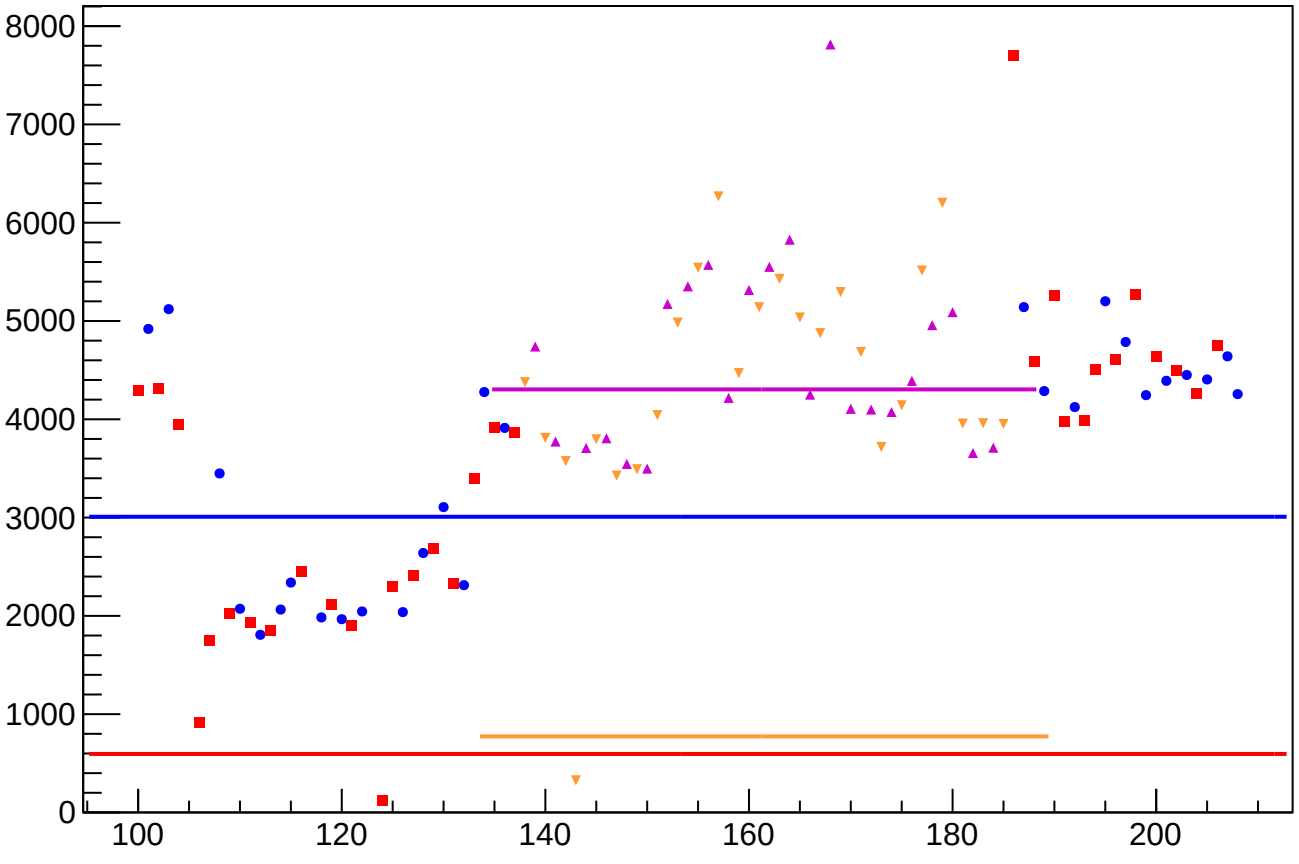
Right Out: -56.438+/-316.846 χ^2/NDF: 41.2/30

Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 194.125+/-316.145 χ^2/NDF: 62.9/51

All: 67.285+/-218.649 χ^2/NDF: 117.7/105

- sign -49.017+/-302.725 χ^2/NDF: 54.5/53



Right In: 3008.269+/-0.575 χ^2/NDF: 4043559.2/26

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 595.145+/-0.224 χ^2/NDF: 25194610.8/30

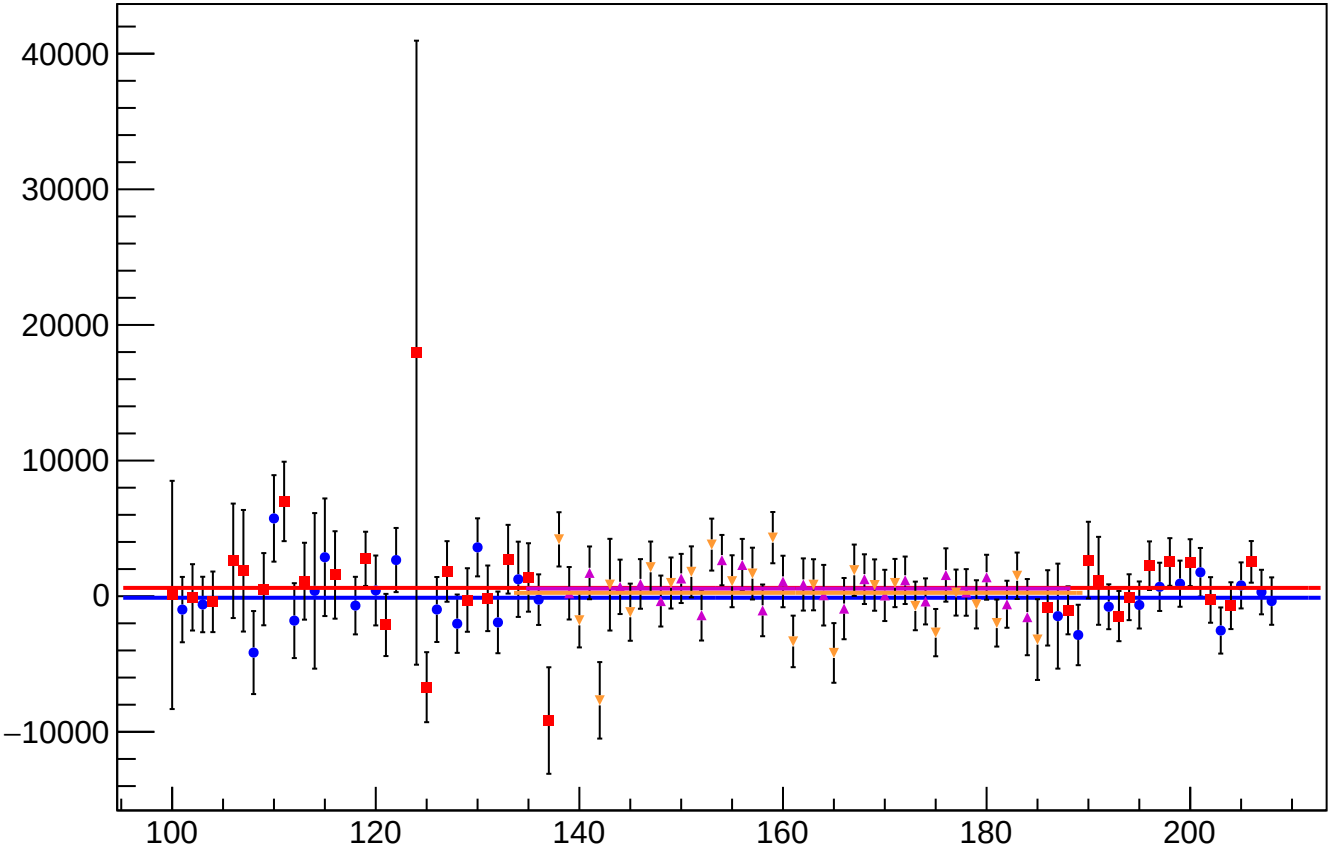
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1111.820+/-0.224 χ^2/NDF: 44940250.7/51

All: 1010.894+/-0.155 χ^2/NDF: 95623444.9/1

- sign 918.354+/-0.214 χ^2/NDF: 50292473.6/53

cor_asym_atl_dd_mean vs Slug



Right In: -114.713+/-410.591 χ^2/NDF: 18.4/26

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 612.135+/-412.156 χ^2/NDF: 32.9/30

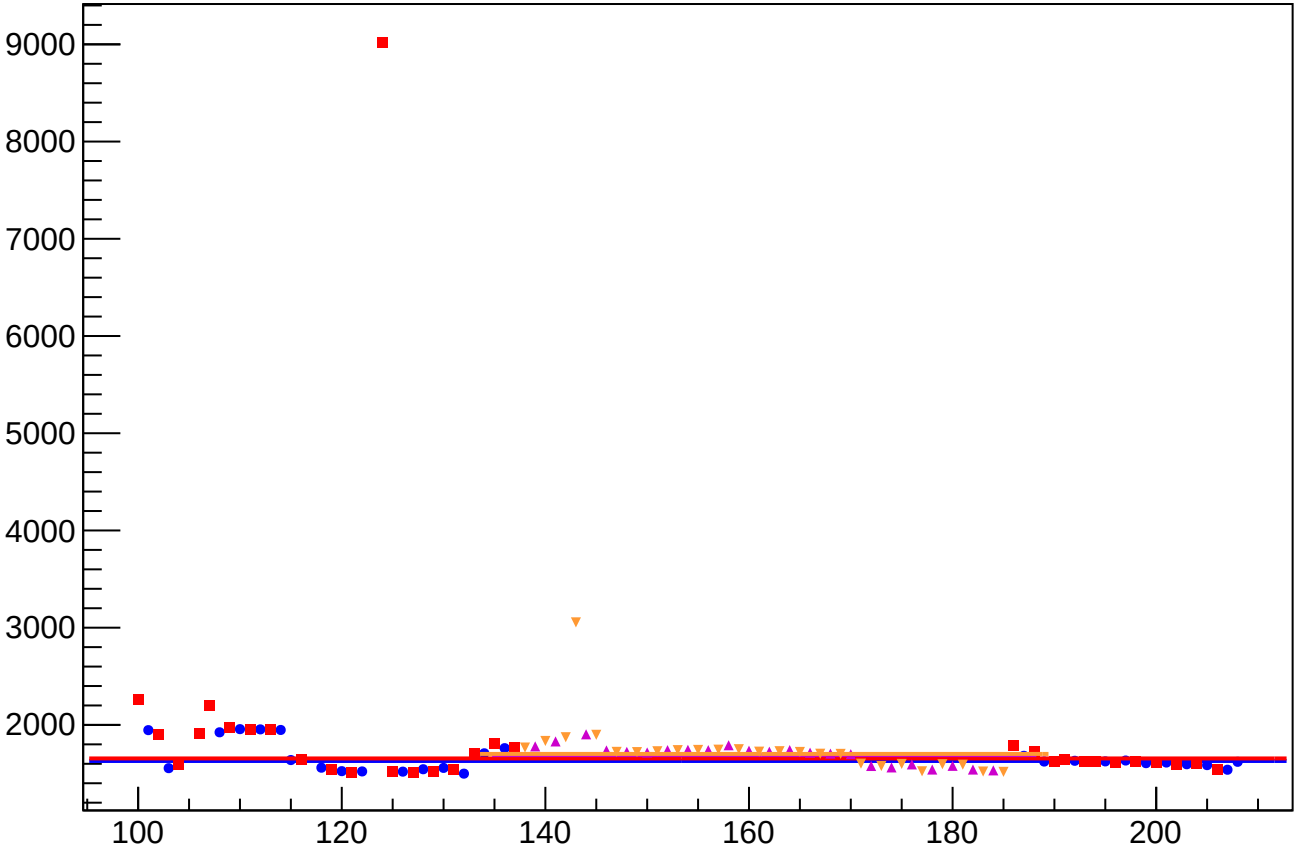
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 76.625+/-282.323 χ^2/NDF: 58.4/51

All: 328.190+/-200.649 χ^2/NDF: 100.5/105

- sign 584.946+/-285.221 χ^2/NDF: 40.4/53

cor_asym_atl_dd_rms vs Slug



Right In: 1629.164+/-0.290 χ^2/NDF: 157127.7/26

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1655.075+/-0.291 χ^2/NDF: 423740.9/30

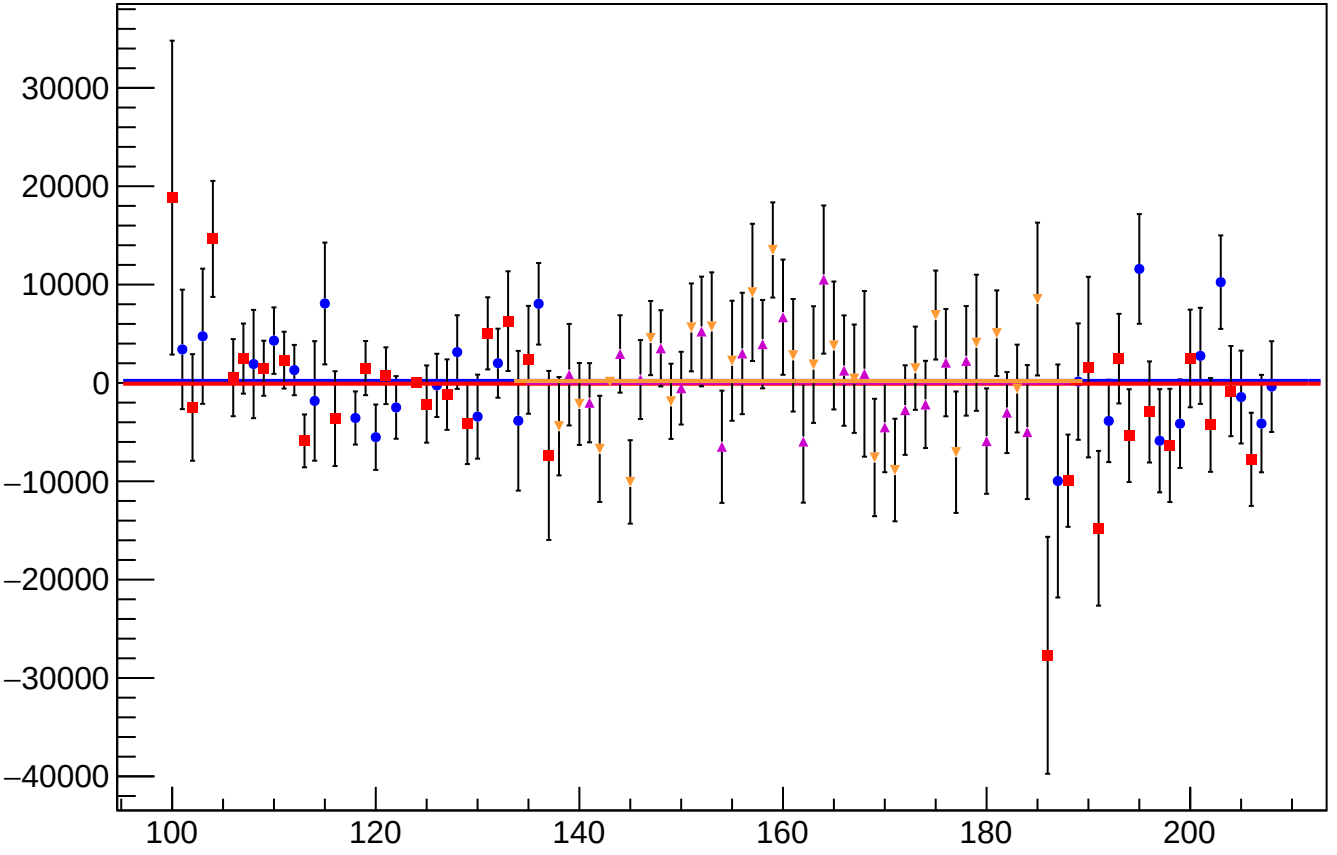
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1667.343+/-0.200 χ^2/NDF: 642308.4/51

All: 1670.075+/-0.142 χ^2/NDF: 1195927.5/10

- sign 1672.859+/-0.202 χ^2/NDF: 553241.0/53

asym_atl_dd_cor_correction_mean vs Slug



Right In: 206.686+/-813.203 χ^2/NDF: 29.1/26

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -79.962+/-309.373 χ^2/NDF: 40.9/30

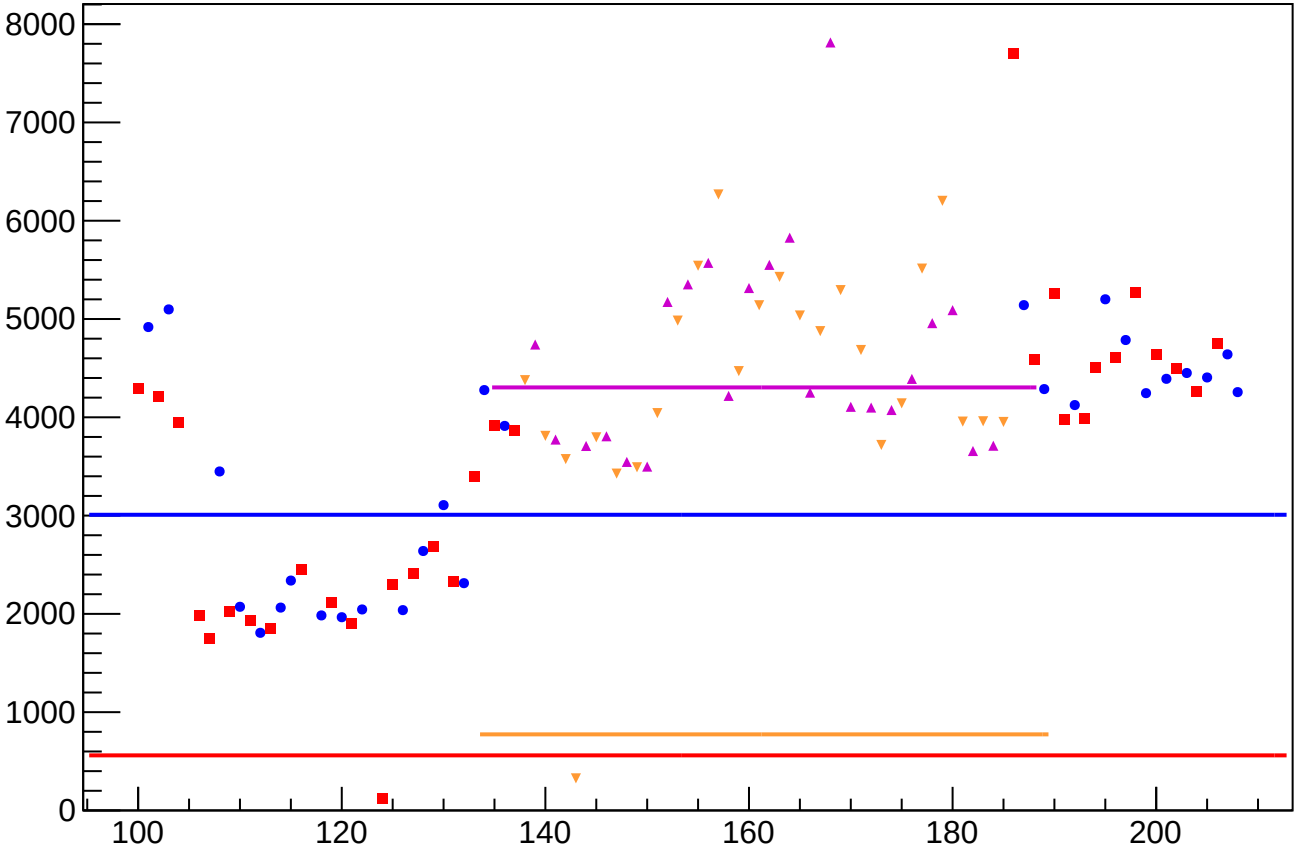
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 195.845+/-316.122 χ^2/NDF: 63.0/51

All: 53.802+/-216.140 χ^2/NDF: 117.6/105

- sign -70.892+/-296.188 χ^2/NDF: 54.2/53

asym_atl_dd_cor_correction_rms vs Slug



Right In: 3008.286+/-0.575 χ^2/NDF: 4041632.5/26

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 560.474+/-0.219 χ^2/NDF: 25752415.6/30

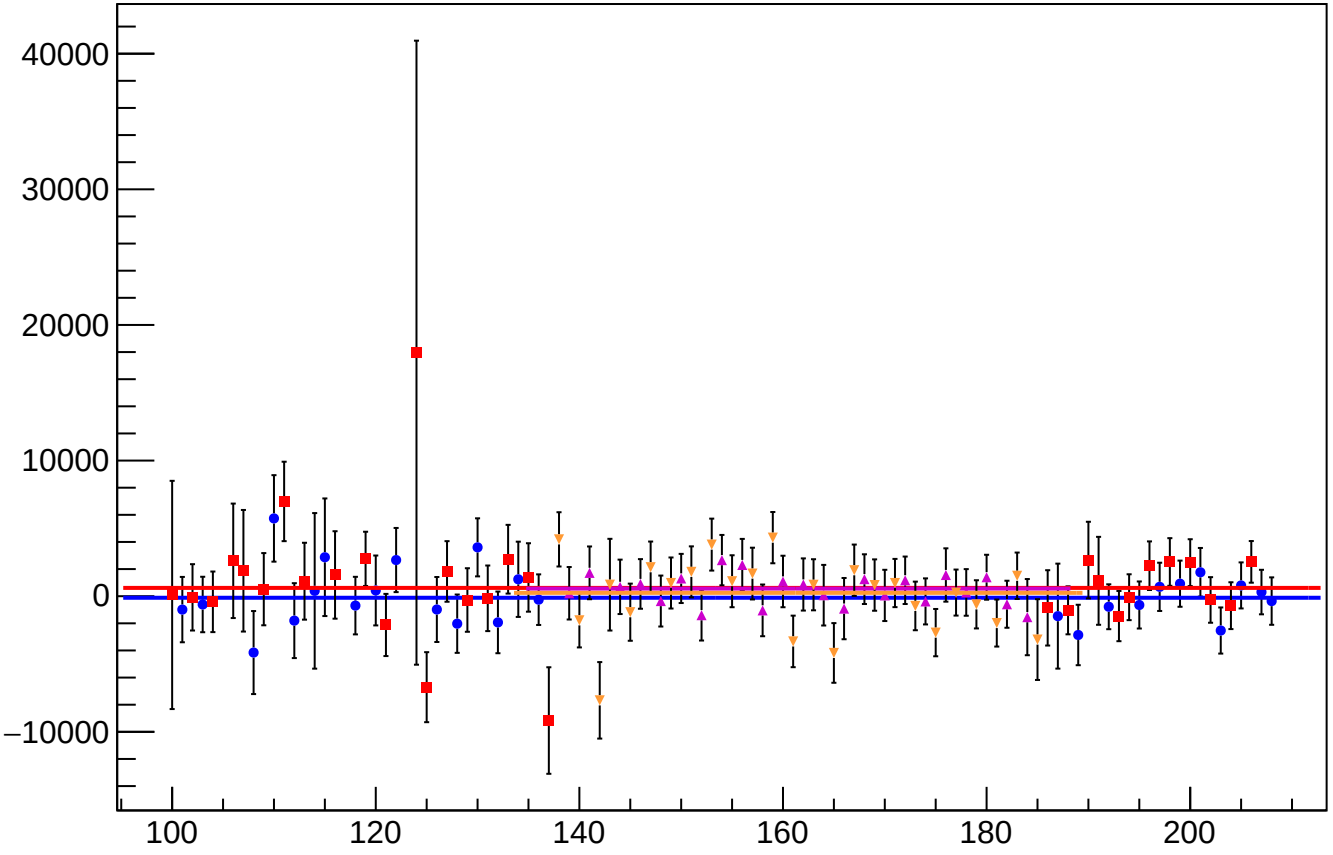
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1111.758+/-0.224 χ^2/NDF: 44942599.6/51

All: 984.490+/-0.153 χ^2/NDF: 96949410.9/10

- sign 872.766+/-0.209 χ^2/NDF: 51398081.9/53

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -114.713+/-410.591 χ^2/NDF: 18.4/26

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 612.135+/-412.156 χ^2/NDF: 32.9/30

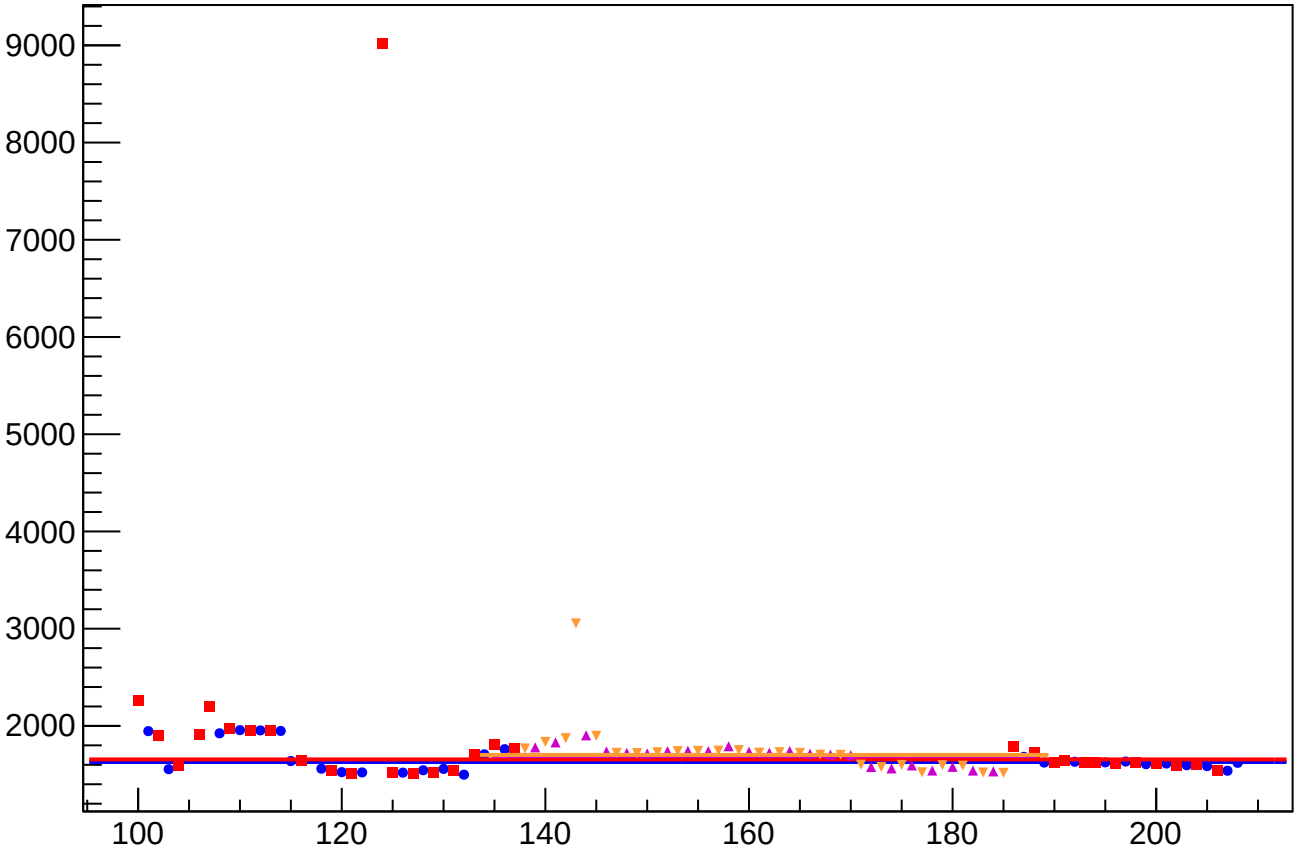
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 76.625+/-282.323 χ^2/NDF: 58.4/51

All: 328.190+/-200.649 χ^2/NDF: 100.5/105

- sign 584.946+/-285.221 χ^2/NDF: 40.4/53

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1629.164+/-0.290 χ^2/NDF: 157127.7/26

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

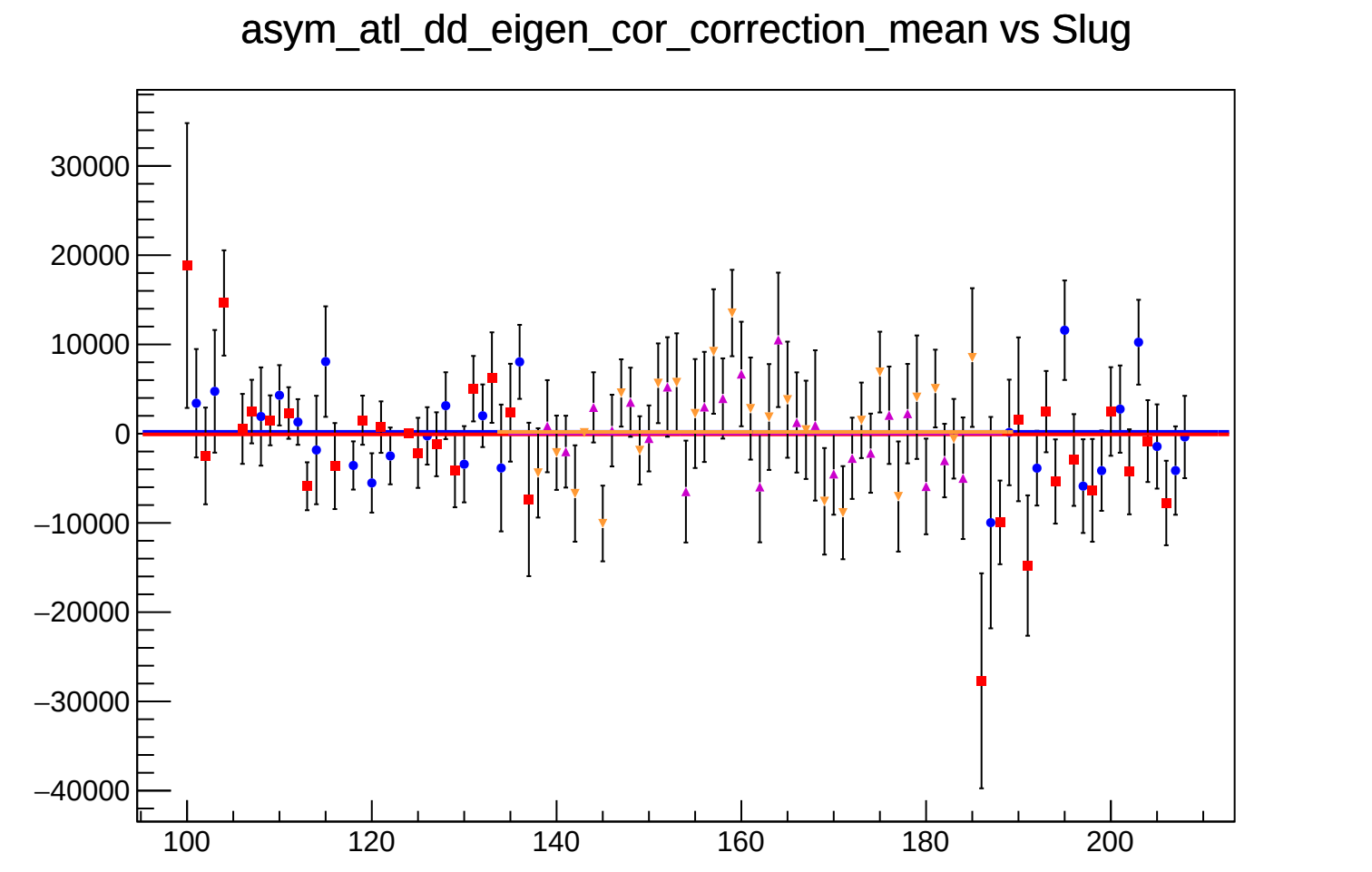
Right Out: 1655.075+/-0.291 χ^2/NDF: 423740.9/30

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1667.343+/-0.200 χ^2/NDF: 642308.4/51

All: 1670.075+/-0.142 χ^2/NDF: 1195927.5/10

- sign 1672.859+/-0.202 χ^2/NDF: 553241.0/53



Right In: 206.686+/-813.203 χ^2/NDF: 29.1/26

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -79.962+/-309.373 χ^2/NDF: 40.9/30

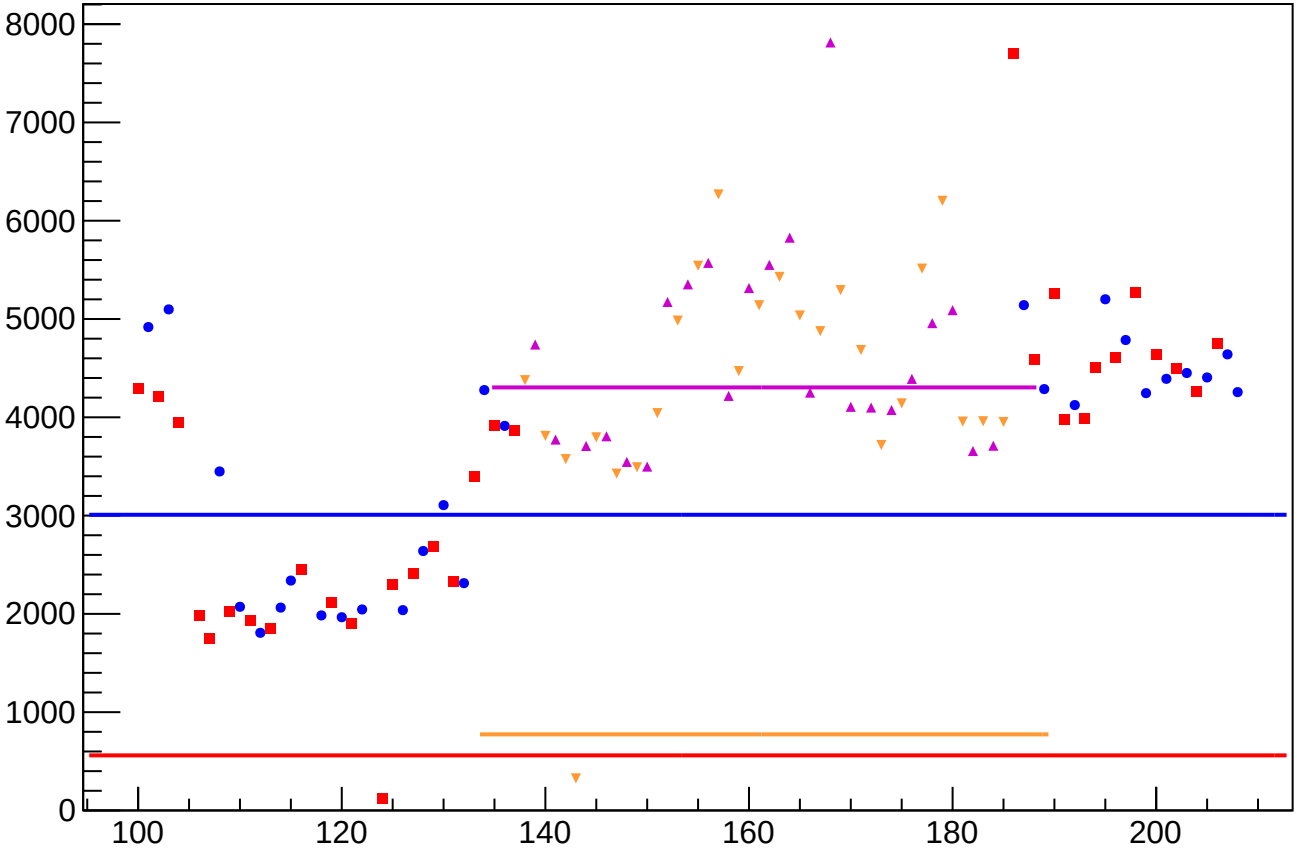
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 195.845+/-316.122 χ^2/NDF: 63.0/51

All: 53.802+/-216.140 χ^2/NDF: 117.6/105

- sign -70.892+/-296.188 χ^2/NDF: 54.2/53

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 3008.286+/-0.575 χ^2/NDF: 4041632.5/26

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 560.474+/-0.219 χ^2/NDF: 25752415.6/30

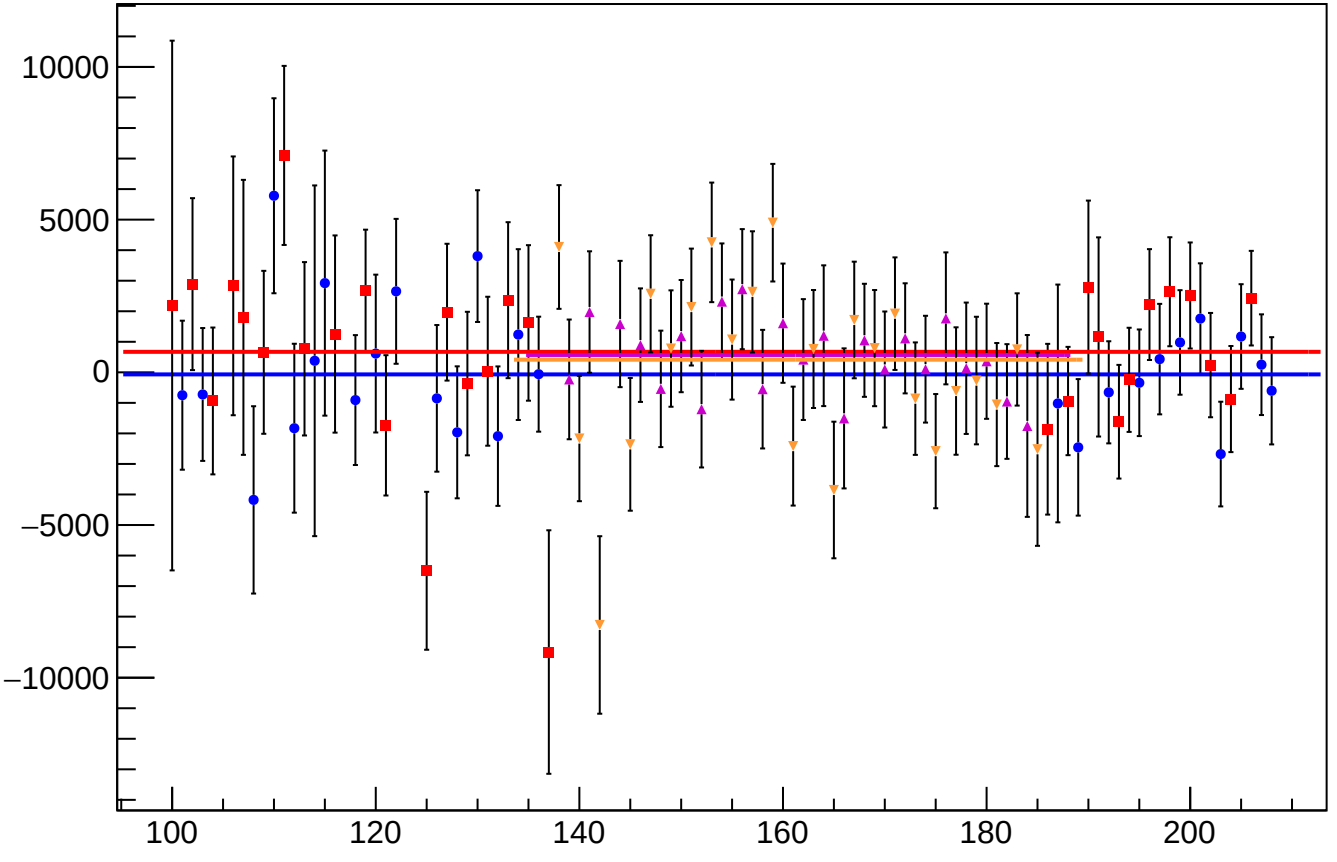
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1111.758+/-0.224 χ^2/NDF: 44942599.6/51

All: 984.490+/-0.153 χ^2/NDF: 96949410.9/10

- sign 872.766+/-0.209 χ^2/NDF: 51398081.9/53

dit_asym_atl_dd_mean vs Slug



Right In: -67.726+/-414.236 χ^2/NDF: 18.6/26

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 671.149+/-417.440 χ^2/NDF: 32.5/29

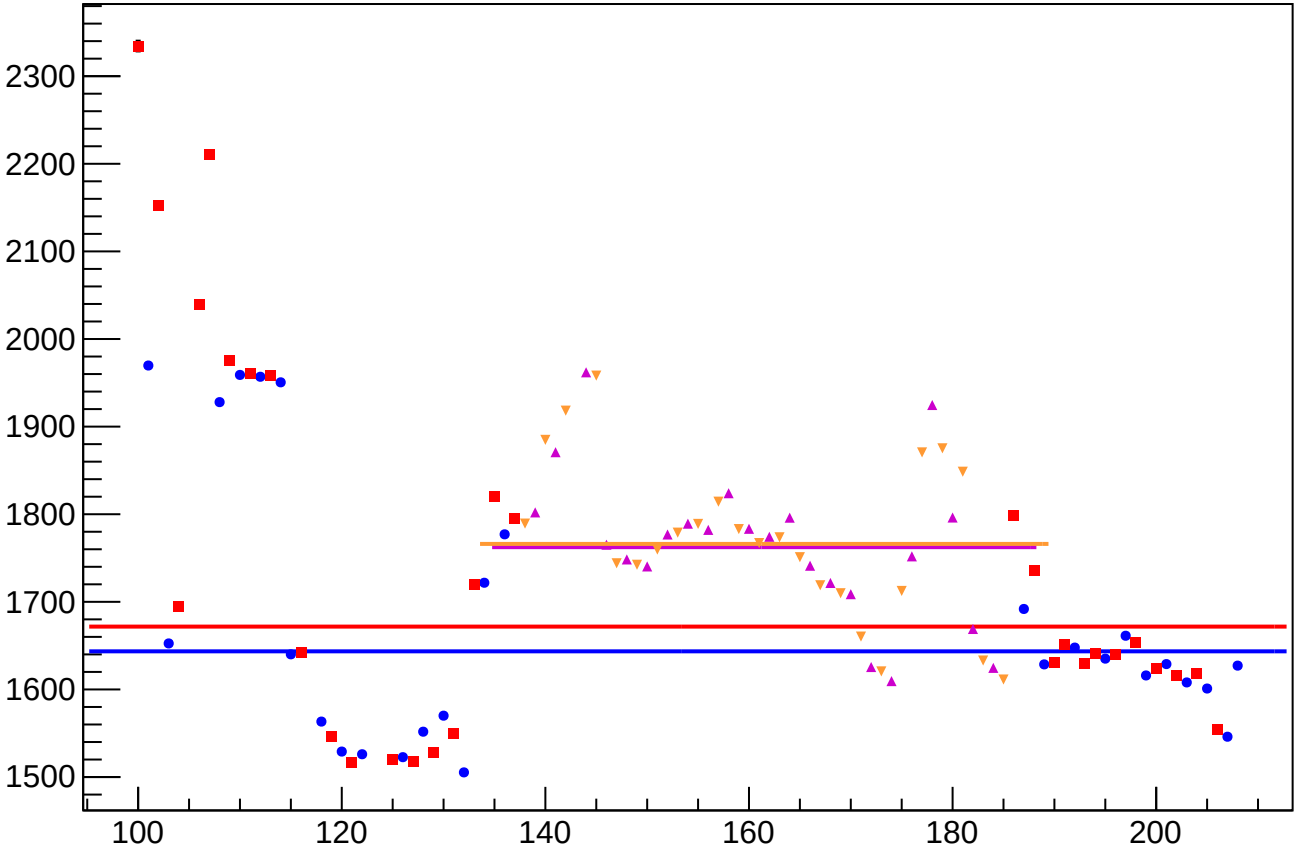
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

\+ sign 174.950+/-291.592 χ^2/NDF: 59.3/50

All: 395.875+/-206.771 χ^2/NDF: 100.8/103

\- sign 619.321+/-293.251 χ^2/NDF: 40.3/52

dit_asym_atl_dd_rms vs Slug



Right In: 1643.506+/-0.293 χ^2/NDF: 156074.9/26

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1671.736+/-0.295 χ^2/NDF: 264663.3/29

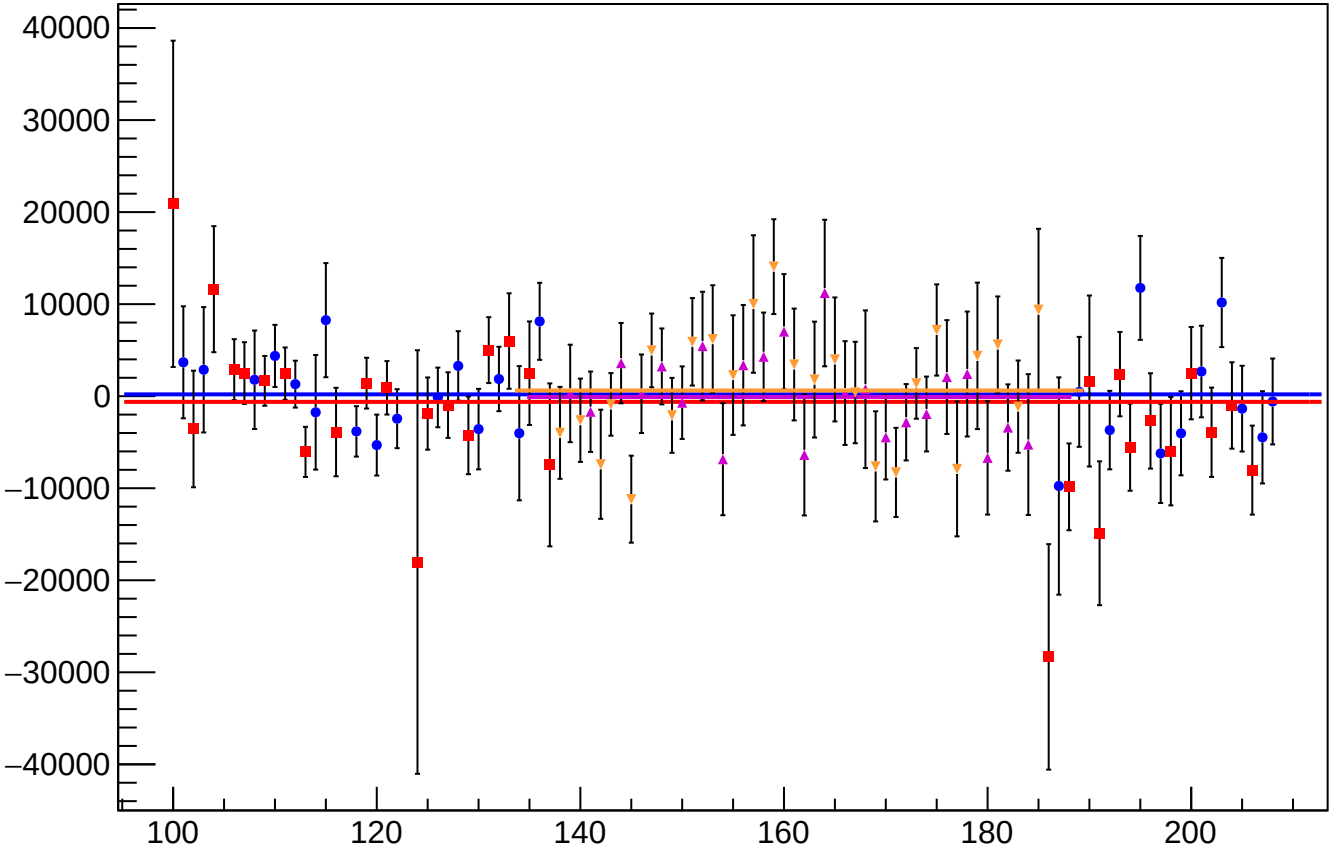
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1705.361+/-0.206 χ^2/NDF: 327722.4/50

All: 1711.456+/-0.146 χ^2/NDF: 722070.2/103

- sign 1717.616+/-0.207 χ^2/NDF: 392590.6/52

asym_atl_dd_dit_correction_mean vs Slug



Right In: 198.079+/-818.323 χ^2/NDF: 28.8/26

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -615.261+/-769.684 χ^2/NDF: 38.5/30

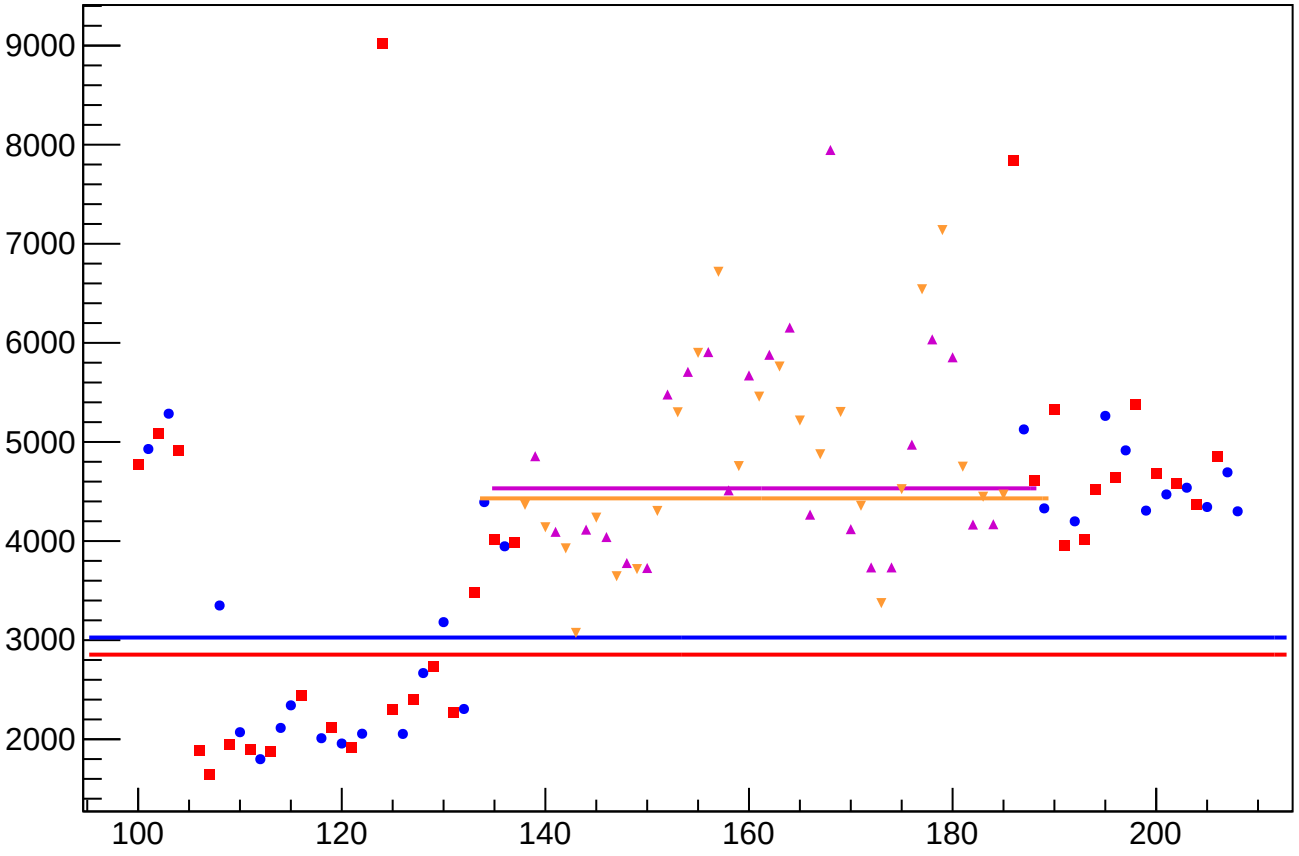
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 360.311+/-641.838 χ^2/NDF: 61.9/51

All: -47.678+/-448.614 χ^2/NDF: 114.3/105

- sign -437.376+/-627.285 χ^2/NDF: 51.6/53

asym_atl_dd_dit_correction_rms vs Slug



Right In: 3026.488+/-0.579 χ^2/NDF: 4155367.4/26

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2853.912+/-0.544 χ^2/NDF: 5216667.5/30

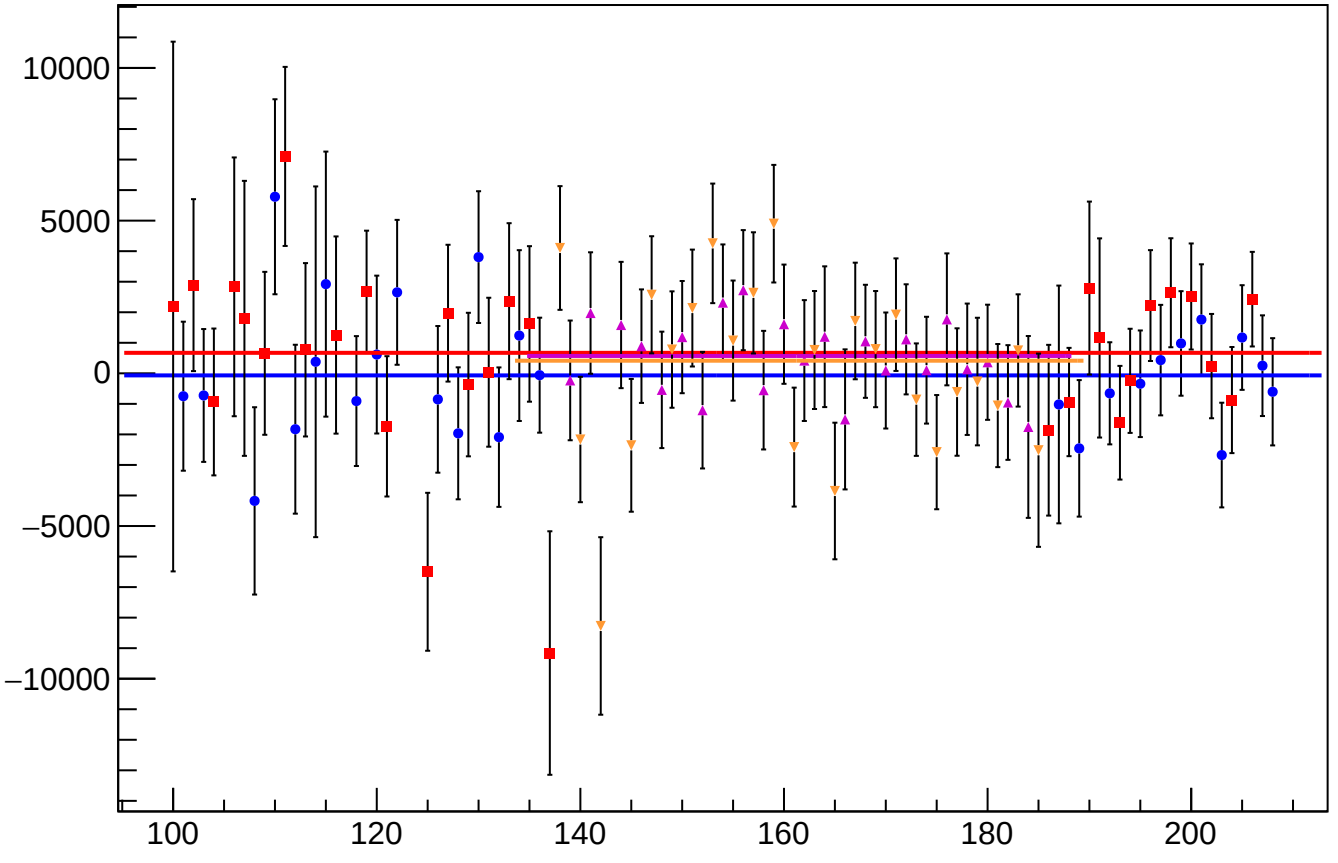
Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3566.895+/-0.454 χ^2/NDF: 8035180.0/51

All: 3490.422+/-0.317 χ^2/NDF: 17875907.3/1

- sign 3417.379+/-0.444 χ^2/NDF: 9785217.5/53

eigen_dit_asym_atl_dd_mean vs Slug



Right In: -67.728+/-414.236 χ^2/NDF: 18.6/26

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 671.147+/-417.440 χ^2/NDF: 32.5/29

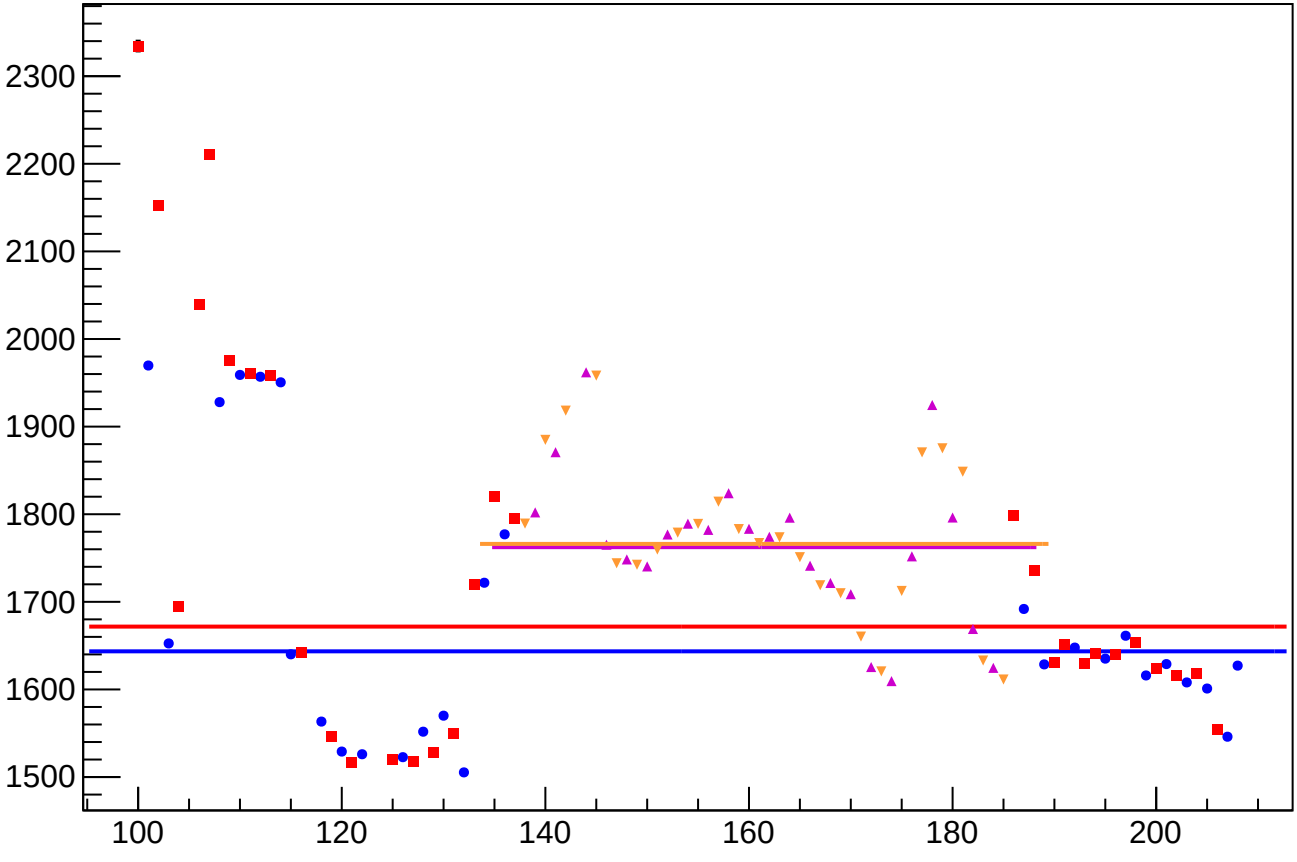
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 174.950+/-291.592 χ^2/NDF: 59.3/50

All: 395.874+/-206.771 χ^2/NDF: 100.8/103

- sign 619.320+/-293.251 χ^2/NDF: 40.3/52

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1643.506+/-0.293 χ^2/NDF: 156074.8/26

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1671.737+/-0.295 χ^2/NDF: 264662.0/29

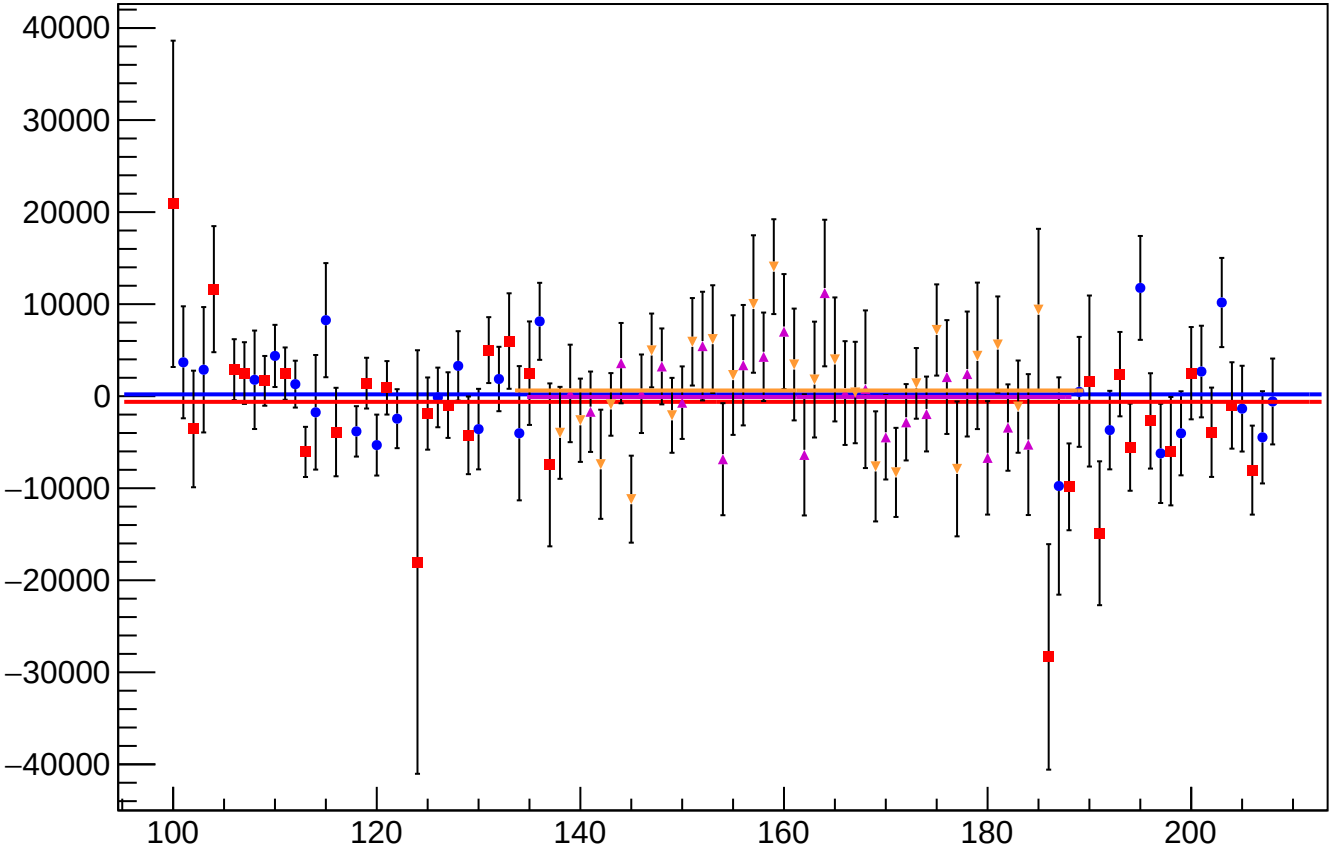
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1705.361+/-0.206 χ^2/NDF: 327726.6/50

All: 1711.457+/-0.146 χ^2/NDF: 722076.6/103

- sign 1717.616+/-0.207 χ^2/NDF: 392592.8/52

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 198.074+/-818.321 χ^2/NDF: 28.8/26

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -615.253+/-769.682 χ^2/NDF: 38.5/30

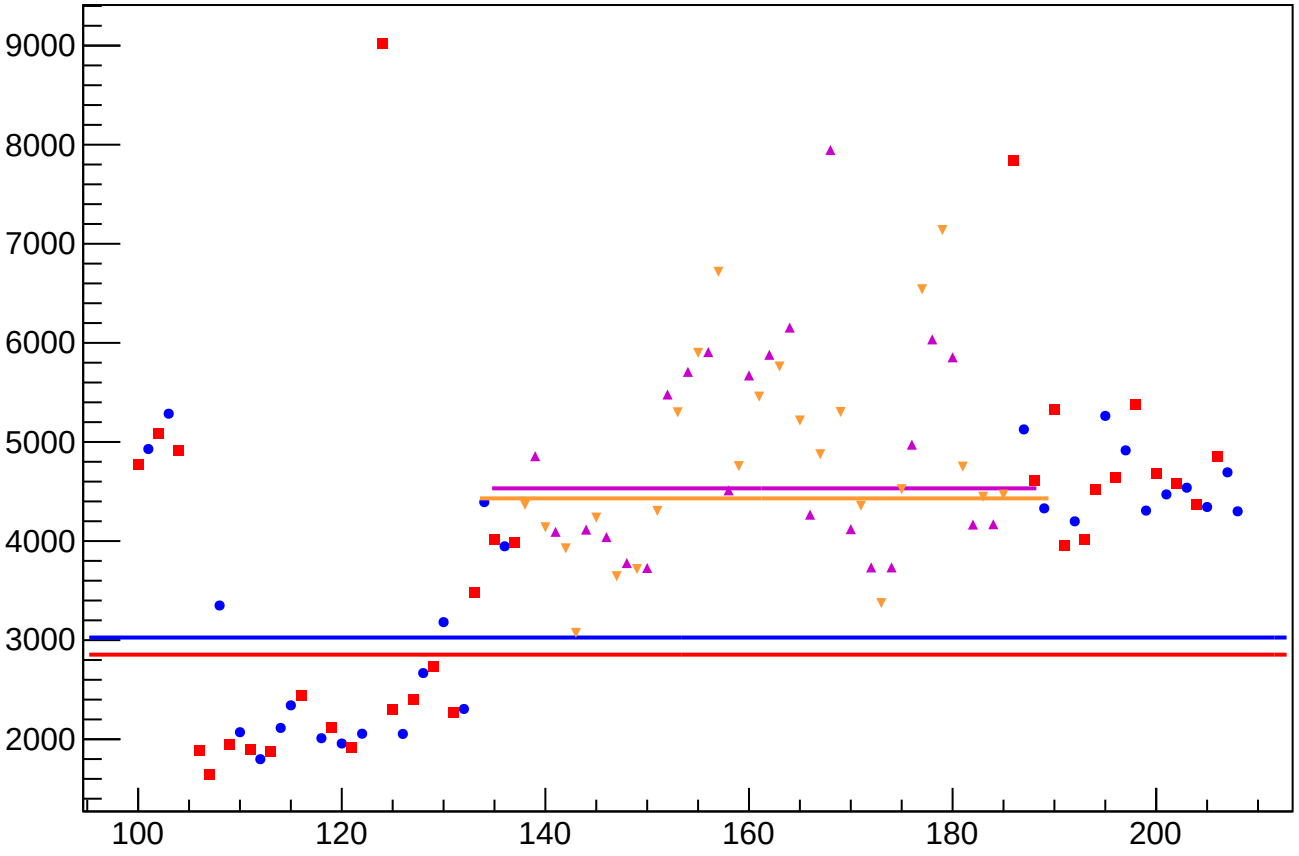
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 360.309+/-641.838 χ^2/NDF: 61.9/51

All: -47.678+/-448.614 χ^2/NDF: 114.3/105

- sign -437.372+/-627.284 χ^2/NDF: 51.6/53

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 3026.478+/-0.579 χ^2/NDF: 4155429.3/26

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

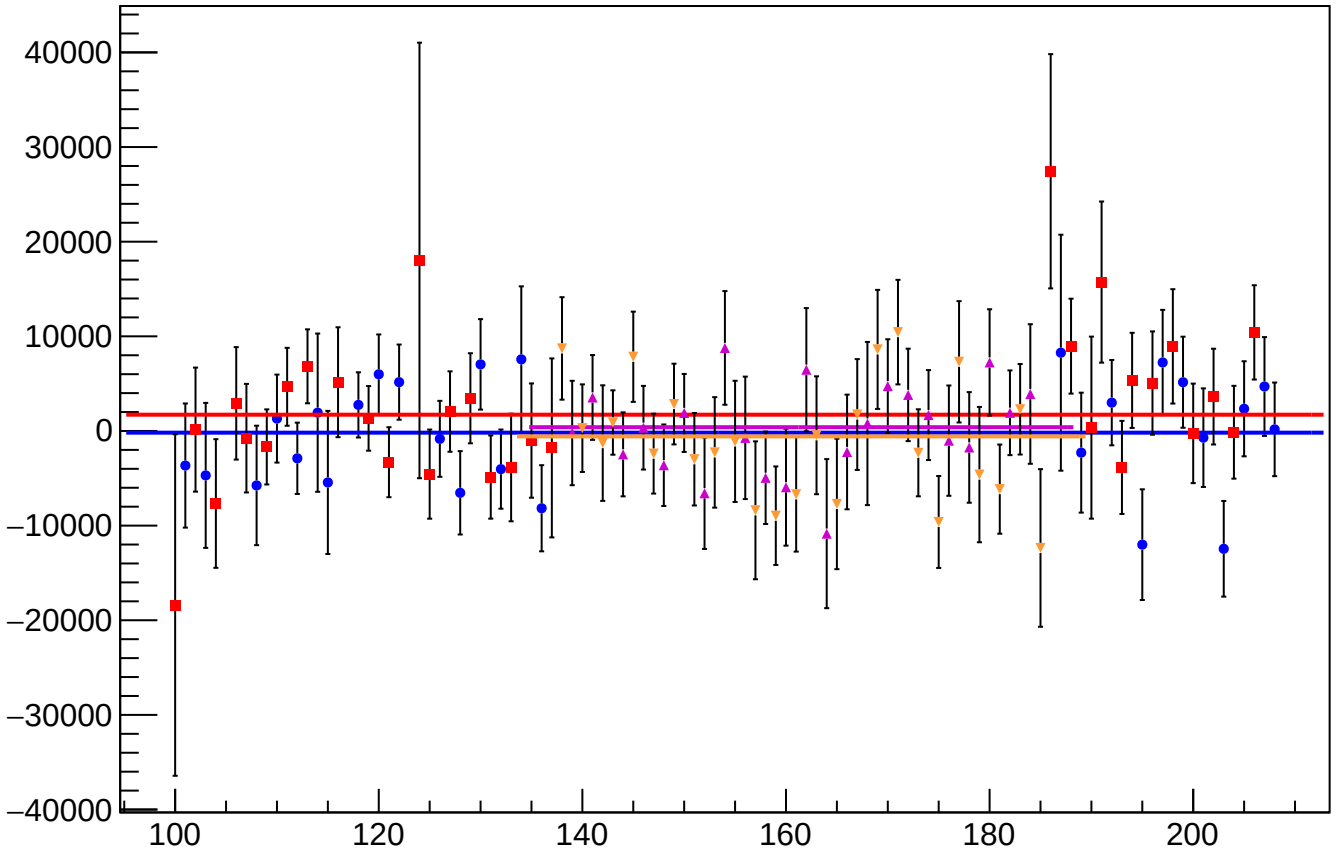
Right Out: 2853.903+/-0.544 χ^2/NDF: 5216720.2/30

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

\+ sign 3566.888+/-0.454 χ^2/NDF: 8035298.7/51

All: 3490.416+/-0.317 χ^2/NDF: 17876139.5/1

\- sign 3417.372+/-0.444 χ^2/NDF: 9785330.6/53



Right In: -179.064+/-963.964 χ^2/NDF: 31.8/26

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 1719.642+/-944.411 χ^2/NDF: 30.8/30

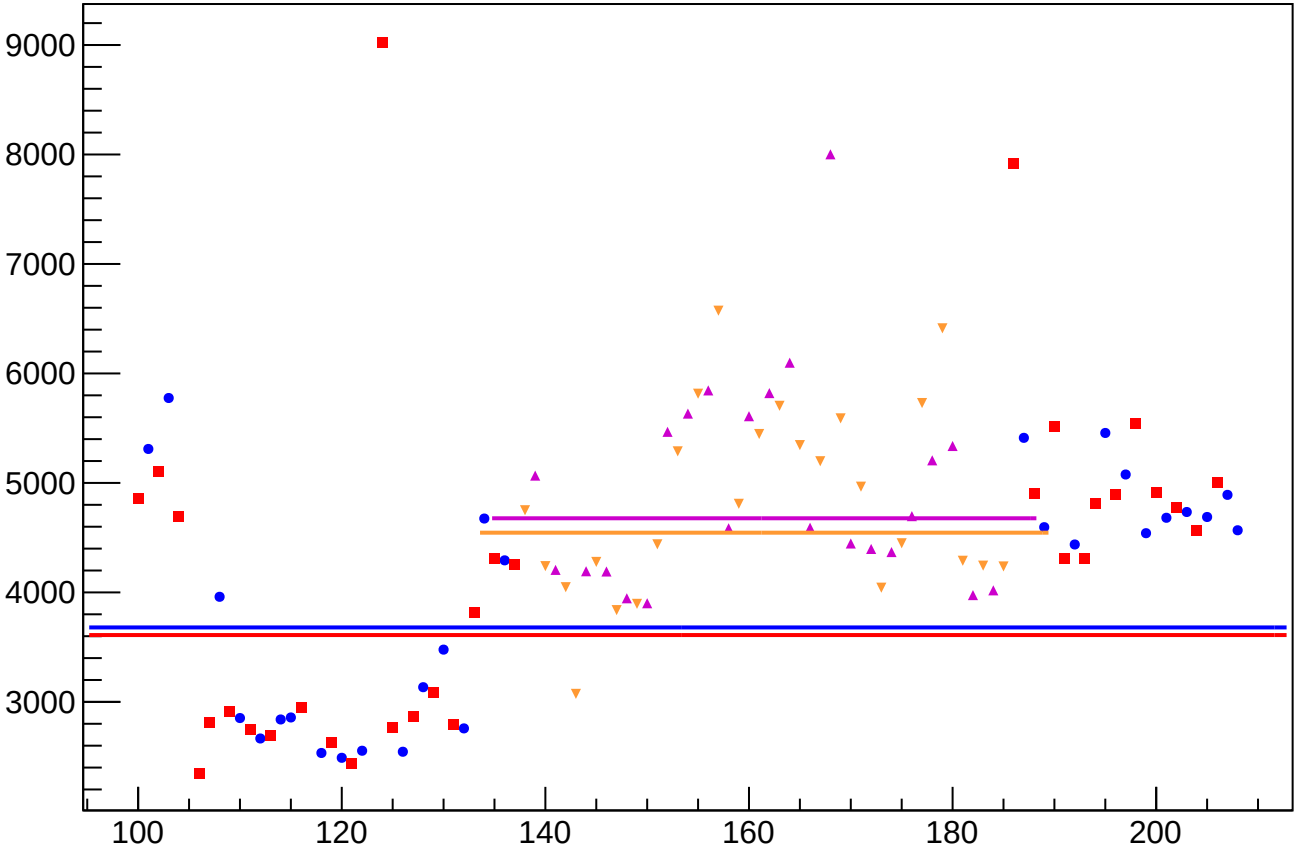
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -358.391+/-711.587 χ^2/NDF: 60.6/51

All: 395.017+/-505.822 χ^2/NDF: 108.5/105

- sign 1164.534+/-719.154 χ^2/NDF: 45.6/53

asym_atl_dd_rms vs Slug



Right In: 3680.066+/-0.682 χ^2/NDF: 2358392.3/26

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

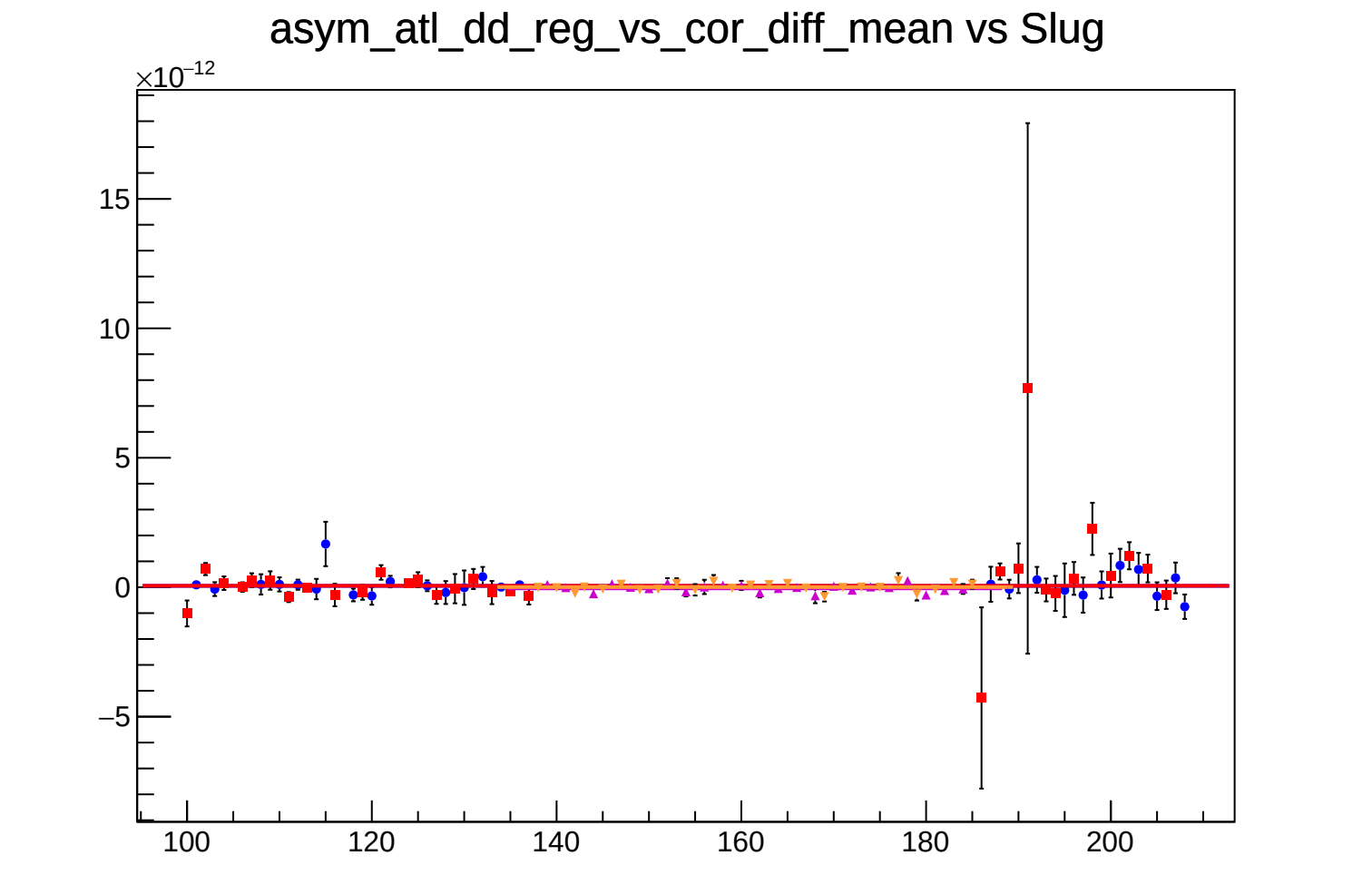
Right Out: 3610.424+/-0.662 χ^2/NDF: 2778712.7/30

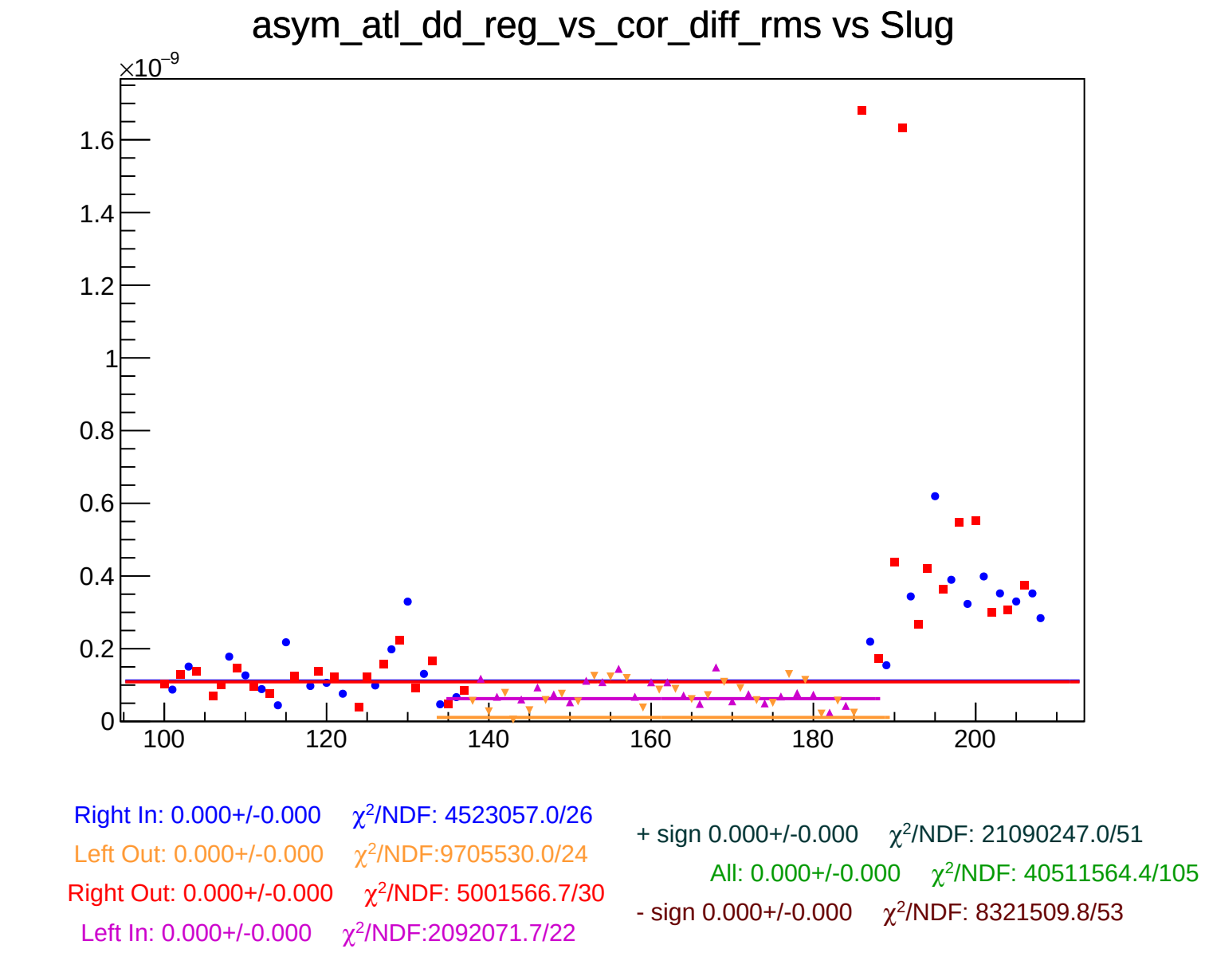
Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

+ sign 4073.902+/-0.503 χ^2/NDF: 4350514.5/51

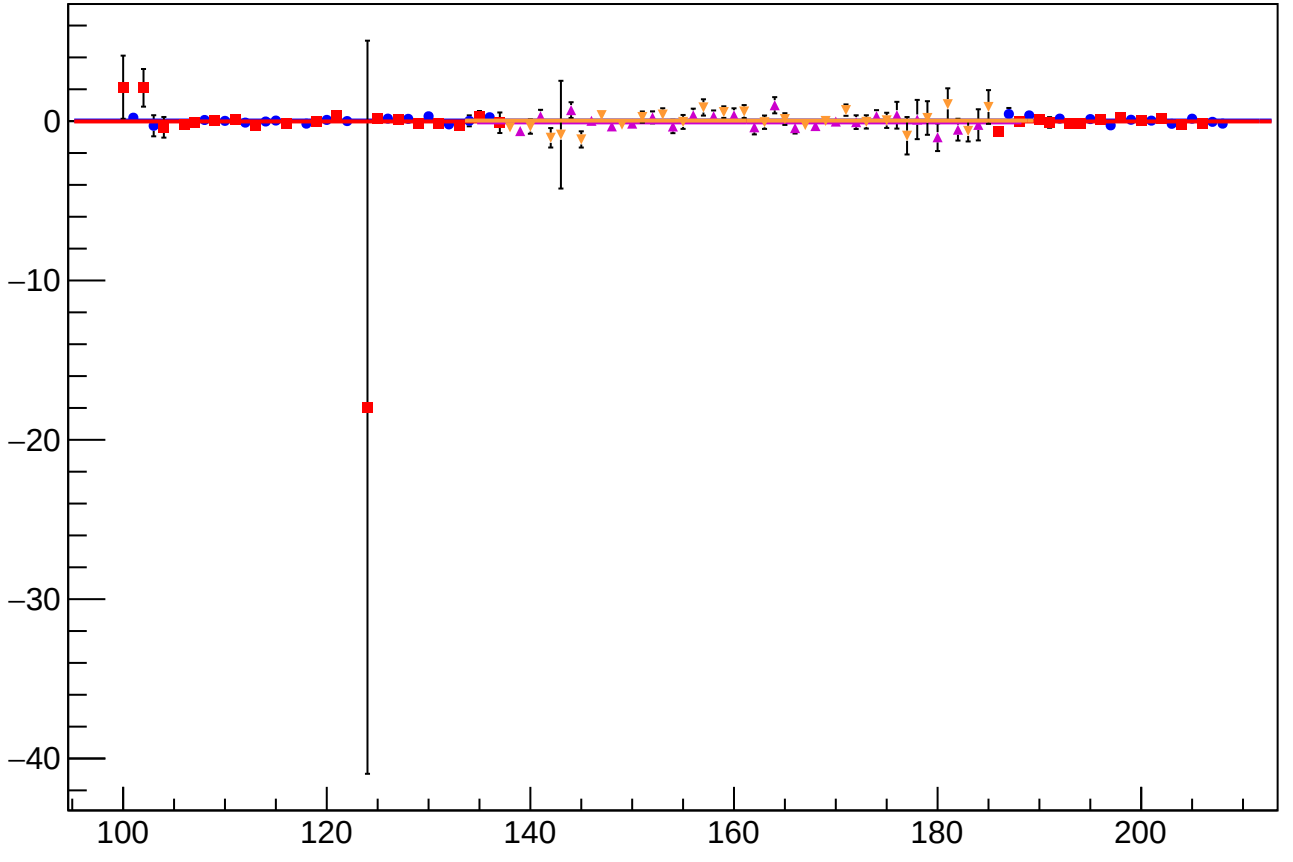
All: 4063.910+/-0.357 χ^2/NDF: 9169967.8/10

- sign 4053.812+/-0.506 χ^2/NDF: 4818660.4/53


asym_atl_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
15
10
5
0
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 16.2/26
Left Out: 0.000+/-0.000 χ²/NDF:18.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 48.7/30
Left In: -0.000+/-0.000 χ²/NDF:20.6/22
+ sign 0.000+/-0.000 χ²/NDF: 35.1/51
All: 0.000+/-0.000 χ²/NDF: 108.7/105
- sign -0.000+/-0.000 χ²/NDF: 72.2/53


asym_atl_dd_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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4523057.0/26
Left Out: 0.000+/-0.000 χ²/NDF:9705530.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 5001566.7/30
Left In: 0.000+/-0.000 χ²/NDF:2092071.7/22
+ sign 0.000+/-0.000 χ²/NDF: 21090247.0/51
All: 0.000+/-0.000 χ²/NDF: 40511564.4/105
- sign 0.000+/-0.000 χ²/NDF: 8321509.8/53

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.038+/-0.035 χ^2/NDF: 19.5/26

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.019+/-0.033 χ^2/NDF: 32.8/30

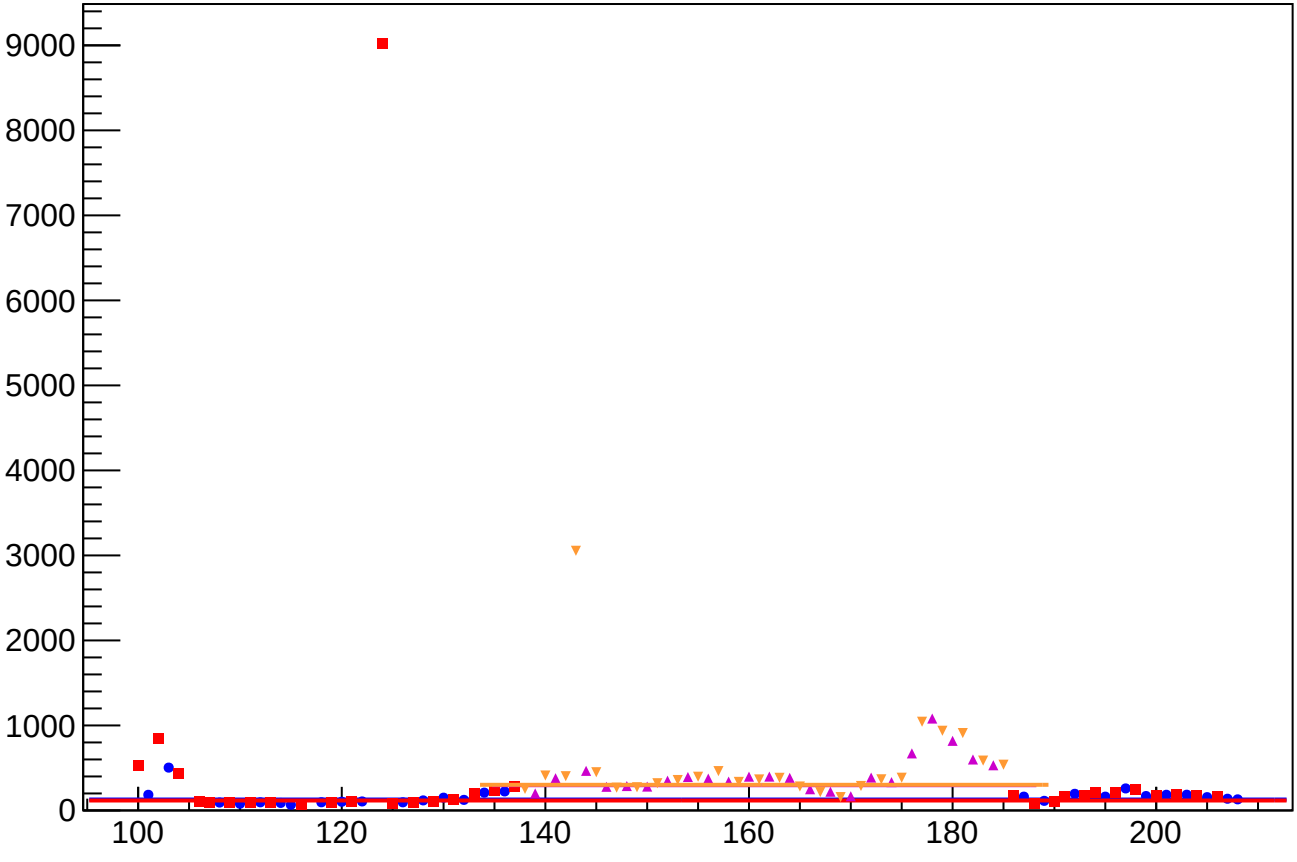
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.037+/-0.032 χ^2/NDF: 49.2/51

All: 0.003+/-0.022 χ^2/NDF: 108.8/105

- sign -0.028+/-0.030 χ^2/NDF: 57.4/53

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 128.697+/-0.025 χ^2/NDF: 3446869.4/26

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 117.104+/-0.023 χ^2/NDF: 5408144.3/30

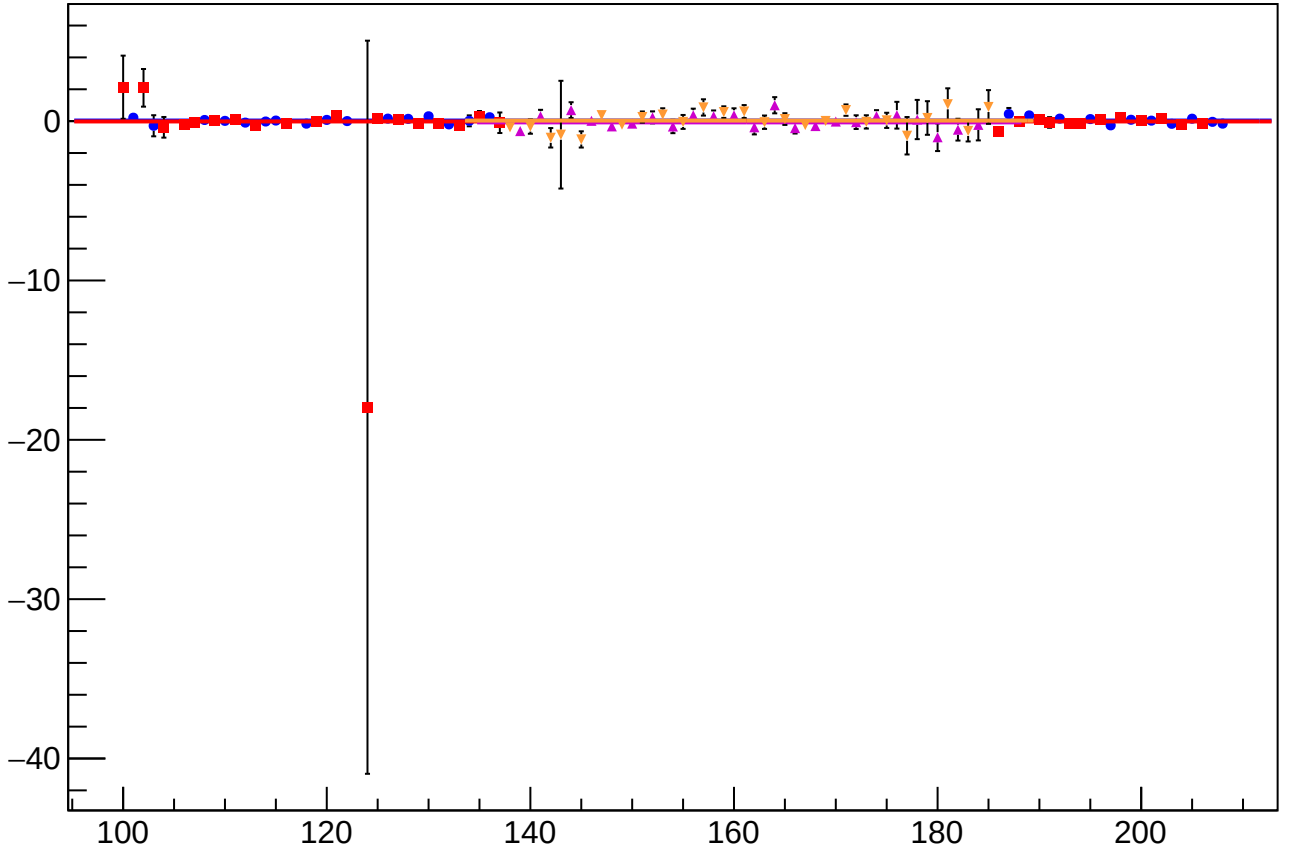
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 158.747+/-0.023 χ^2/NDF: 18501262.7/51

All: 151.871+/-0.016 χ^2/NDF: 38473070.1/10

- sign 145.756+/-0.021 χ^2/NDF: 19797999.2/53

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.038+/-0.035 χ^2/NDF: 19.5/26

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.019+/-0.033 χ^2/NDF: 32.8/30

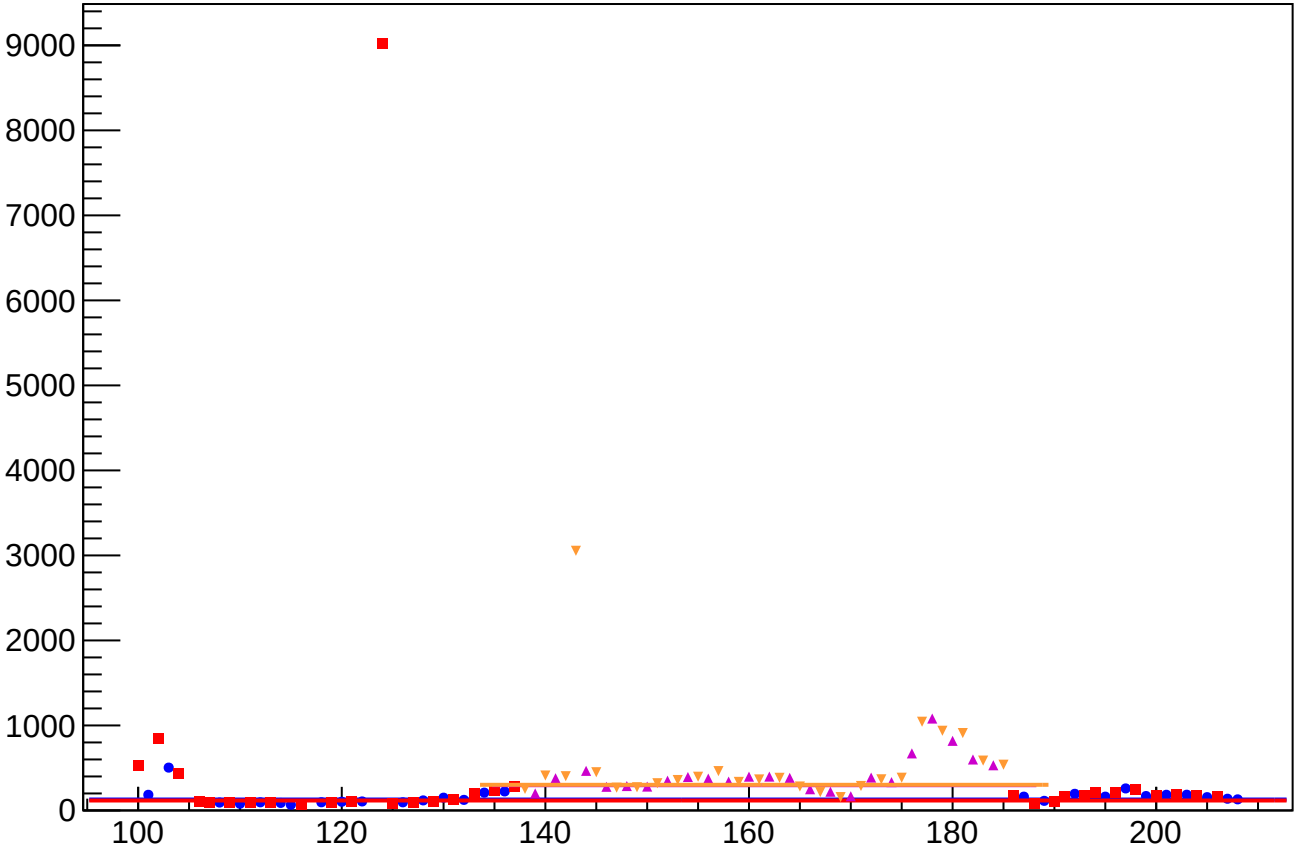
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.037+/-0.032 χ^2/NDF: 49.2/51

All: 0.003+/-0.022 χ^2/NDF: 108.8/105

- sign -0.028+/-0.030 χ^2/NDF: 57.4/53

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.697+/-0.025 χ^2/NDF: 3446869.4/26

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

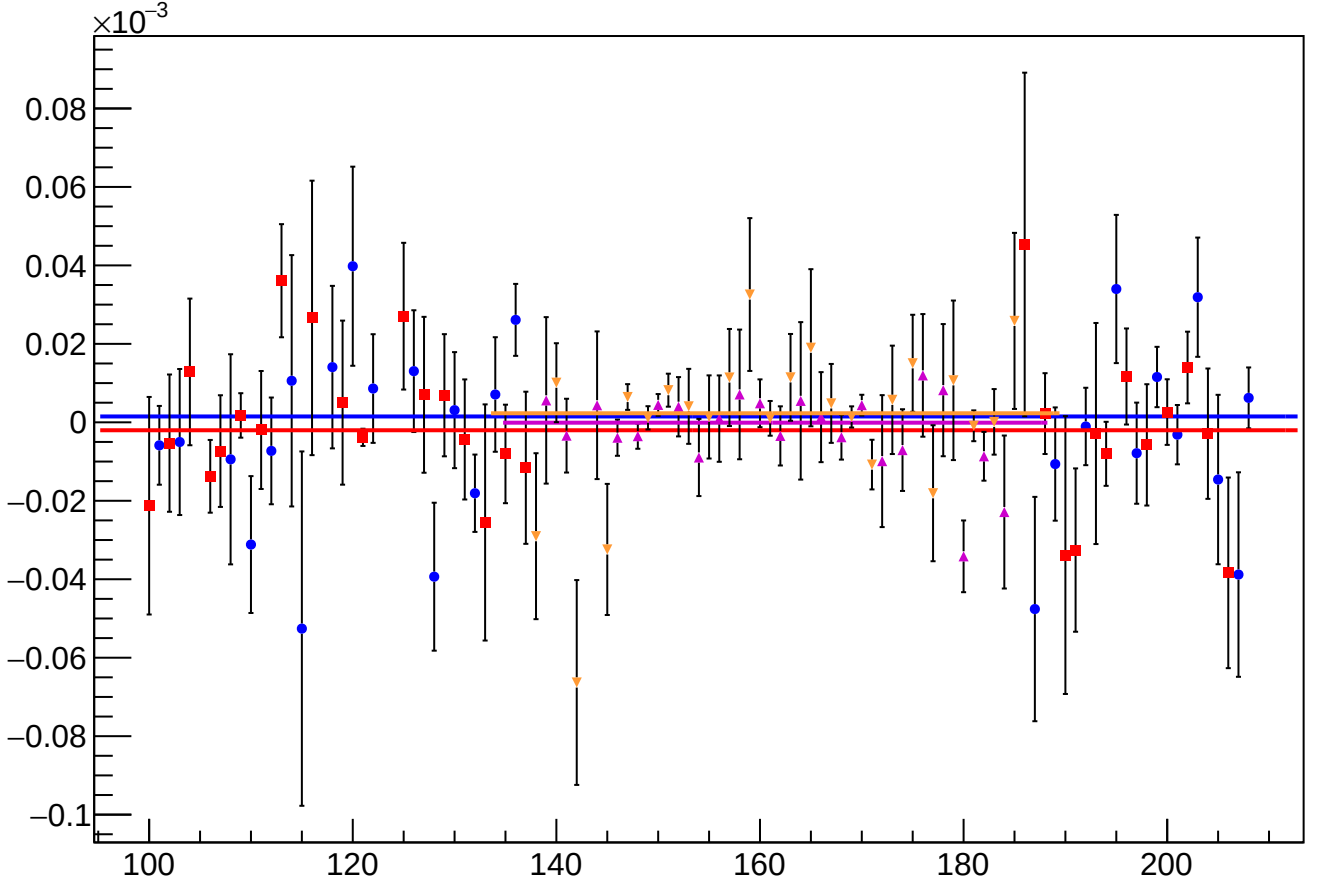
Right Out: 117.104+/-0.023 χ^2/NDF: 5408144.3/30

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 158.747+/-0.023 χ^2/NDF: 18501262.7/51

All: 151.871+/-0.016 χ^2/NDF: 38473070.1/10

- sign 145.756+/-0.021 χ^2/NDF: 19797999.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 42.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

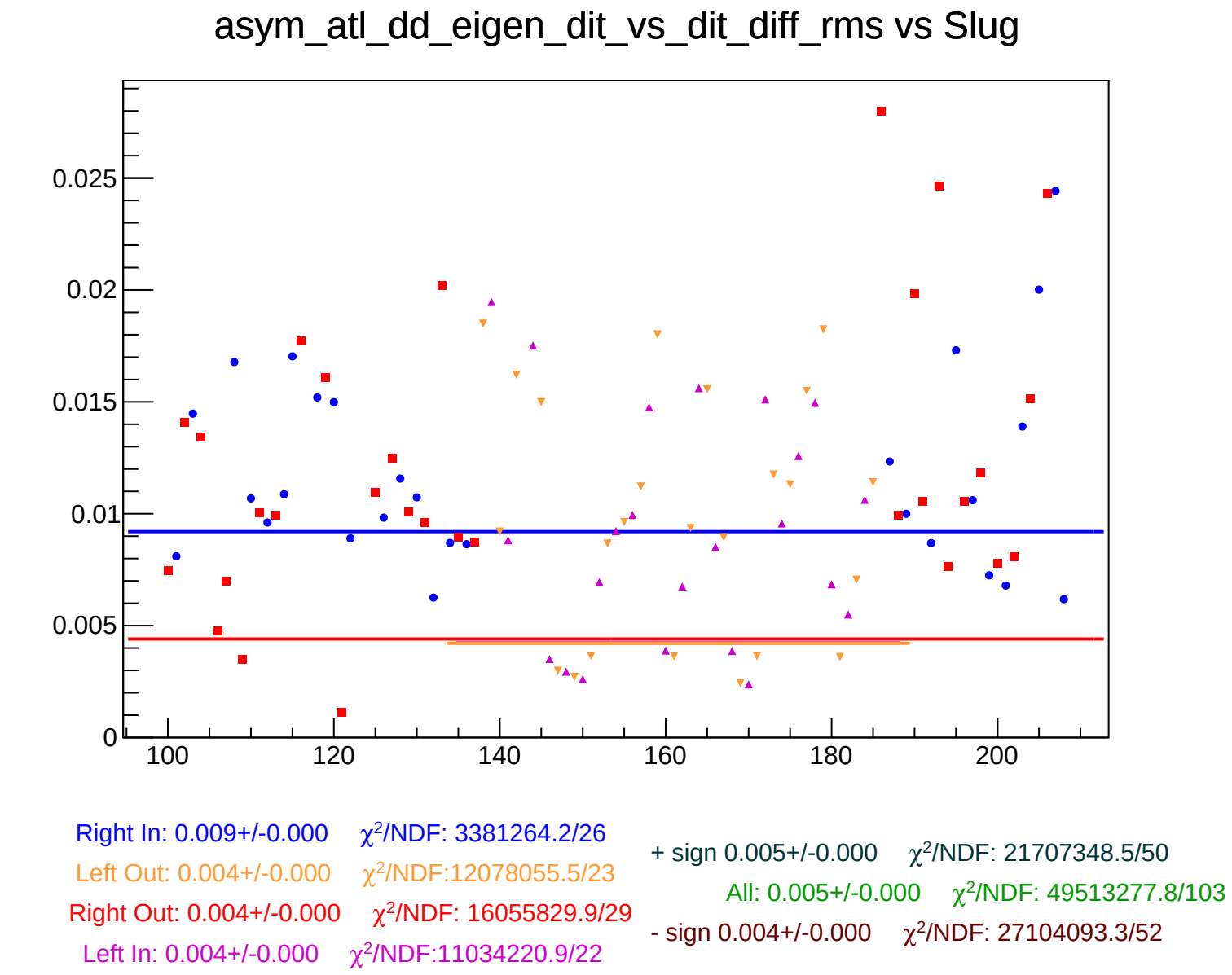
Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/29

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

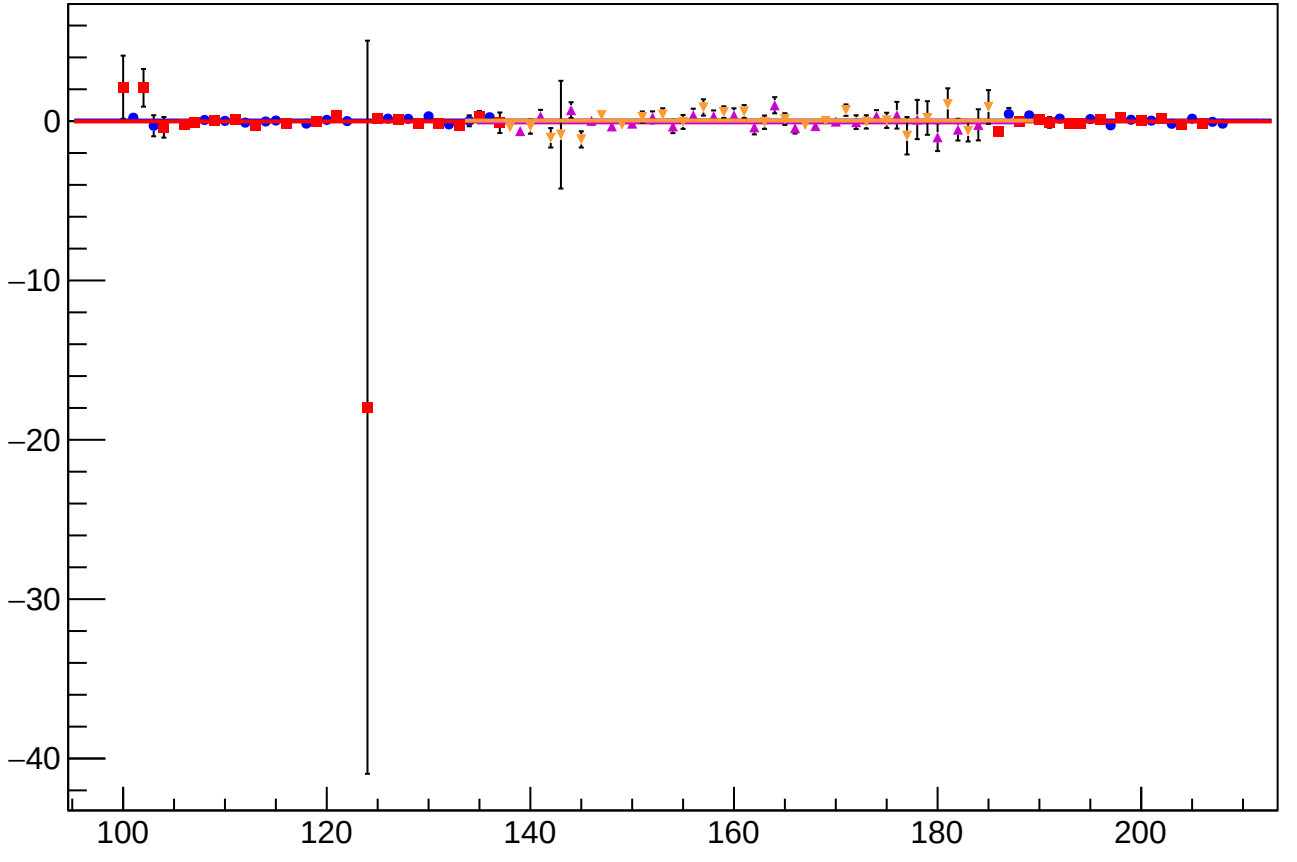
+ sign 0.000+/-0.000 χ^2/NDF: 73.6/50

All: 0.000+/-0.000 χ^2/NDF: 135.0/103

- sign -0.000+/-0.000 χ^2/NDF: 57.6/52


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 3381264.2/26
Left Out: 0.004+/-0.000 χ²/NDF:12078055.5/23
Right Out: 0.004+/-0.000 χ²/NDF: 16055829.9/29
Left In: 0.004+/-0.000 χ²/NDF:11034220.9/22
+ sign 0.005+/-0.000 χ²/NDF: 21707348.5/50
All: 0.005+/-0.000 χ²/NDF: 49513277.8/103
- sign 0.004+/-0.000 χ²/NDF: 27104093.3/52

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.038+/-0.035 χ^2/NDF: 19.5/26

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.019+/-0.033 χ^2/NDF: 32.8/30

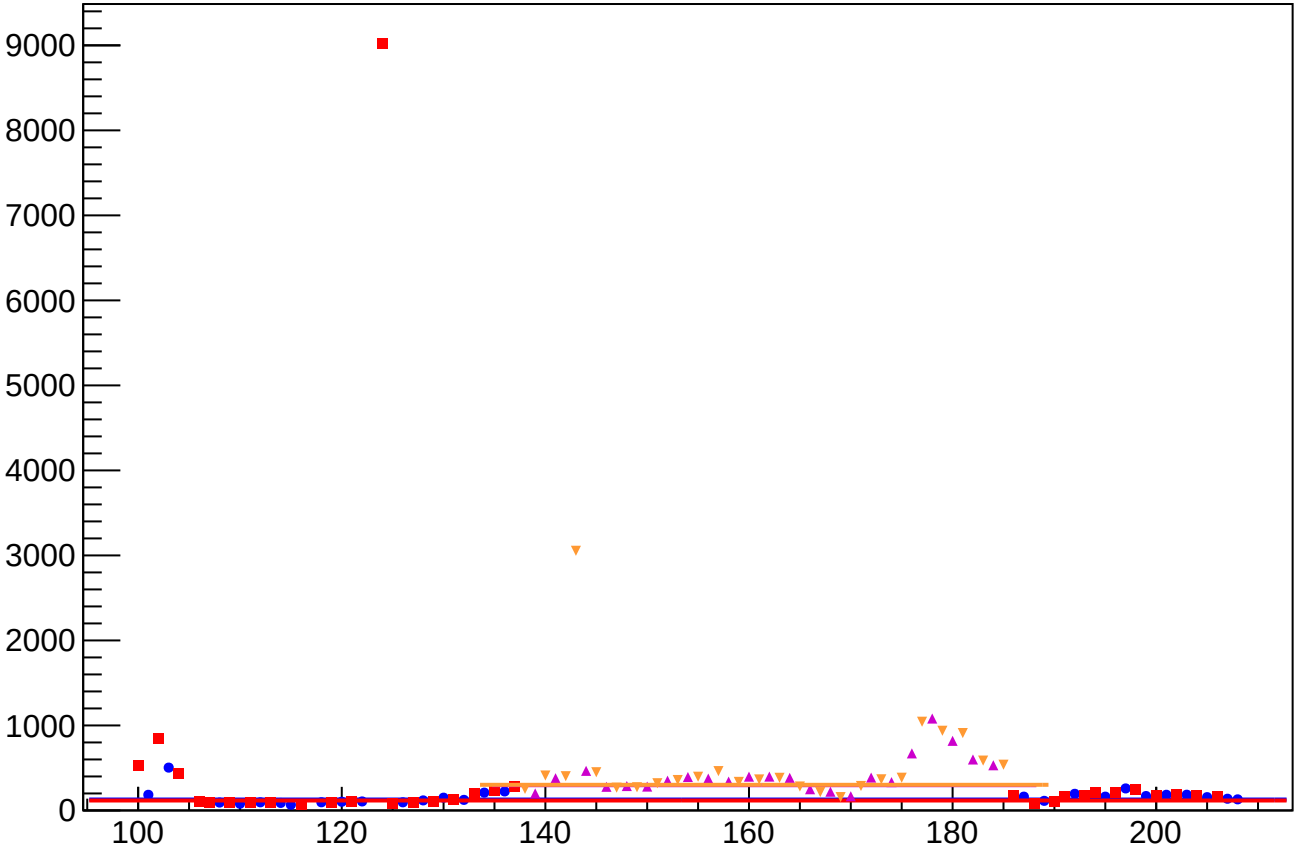
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.037+/-0.032 χ^2/NDF: 49.2/51

All: 0.003+/-0.022 χ^2/NDF: 108.8/105

- sign -0.028+/-0.030 χ^2/NDF: 57.4/53

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.697+/-0.025 χ^2/NDF: 3446845.8/26

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

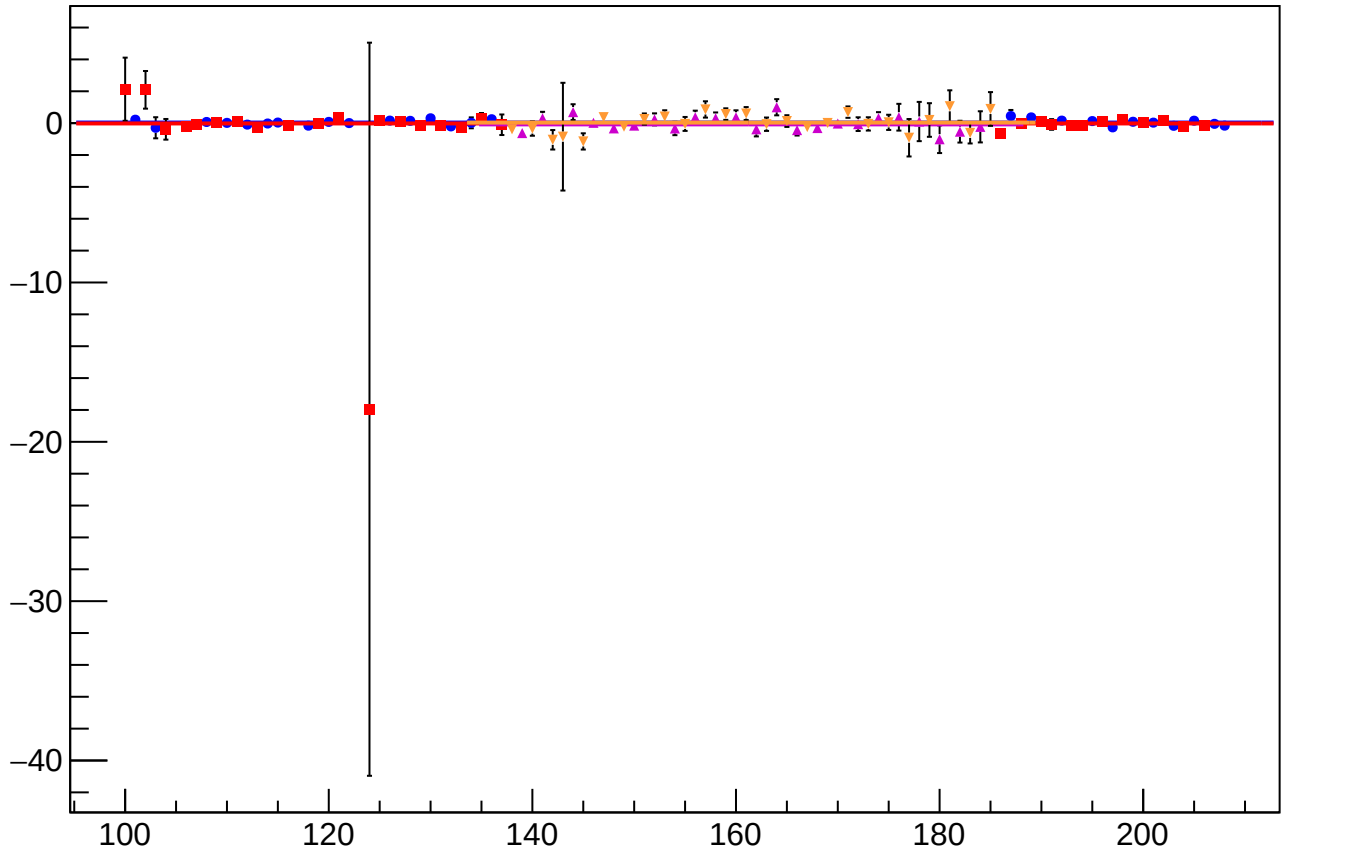
Right Out: 117.105+/-0.023 χ^2/NDF: 5408069.3/30

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 158.748+/-0.023 χ^2/NDF: 18501299.1/51

All: 151.872+/-0.016 χ^2/NDF: 38473048.1/10

- sign 145.757+/-0.021 χ^2/NDF: 19797950.5/53



Right In: 0.038+/-0.035 χ^2/NDF: 19.5/26

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

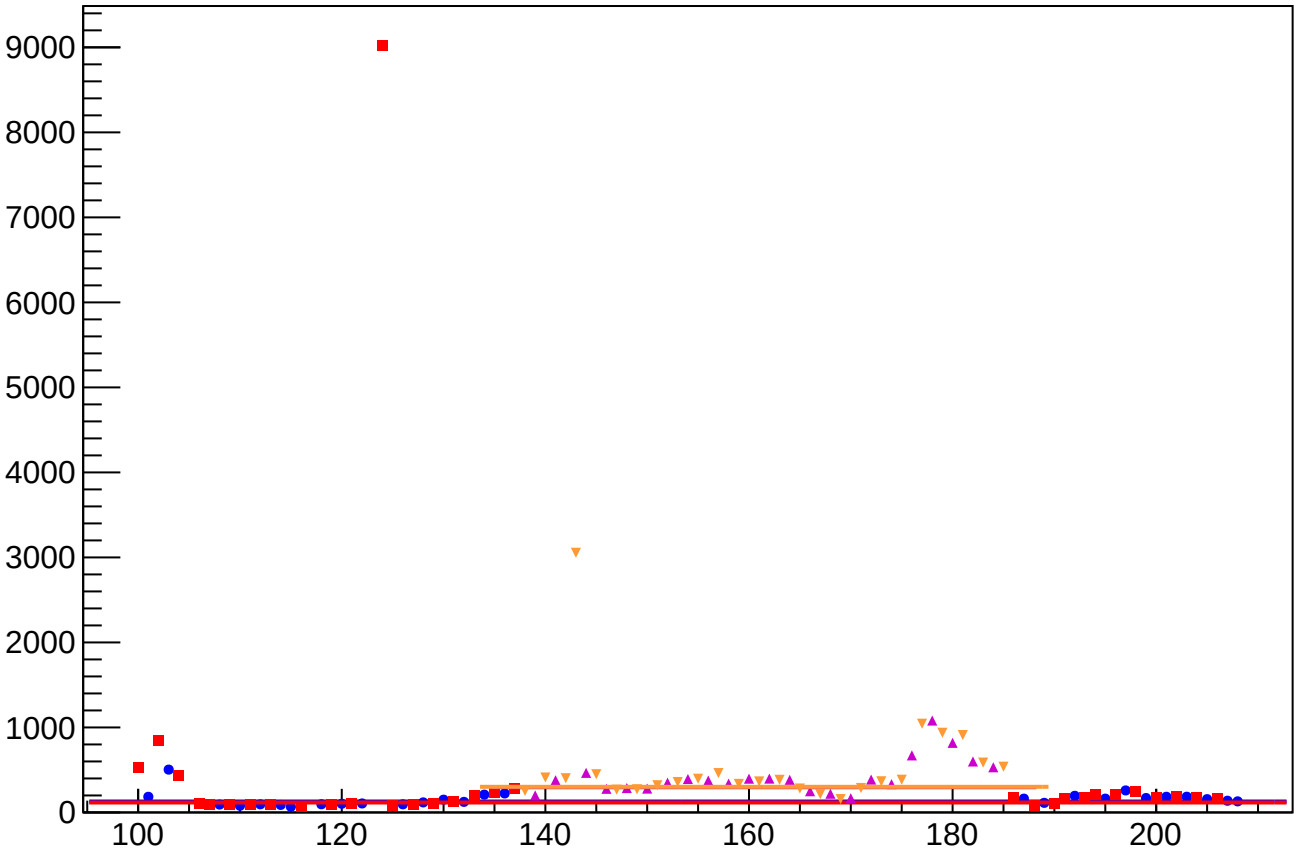
Right Out: -0.019+/-0.033 χ^2/NDF: 32.8/30

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.037+/-0.032 χ^2/NDF: 49.2/51

All: 0.003+/-0.022 χ^2/NDF: 108.8/105

- sign -0.028+/-0.030 χ^2/NDF: 57.4/53



Right In: 128.697+/-0.025 χ^2/NDF: 3446845.8/26

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

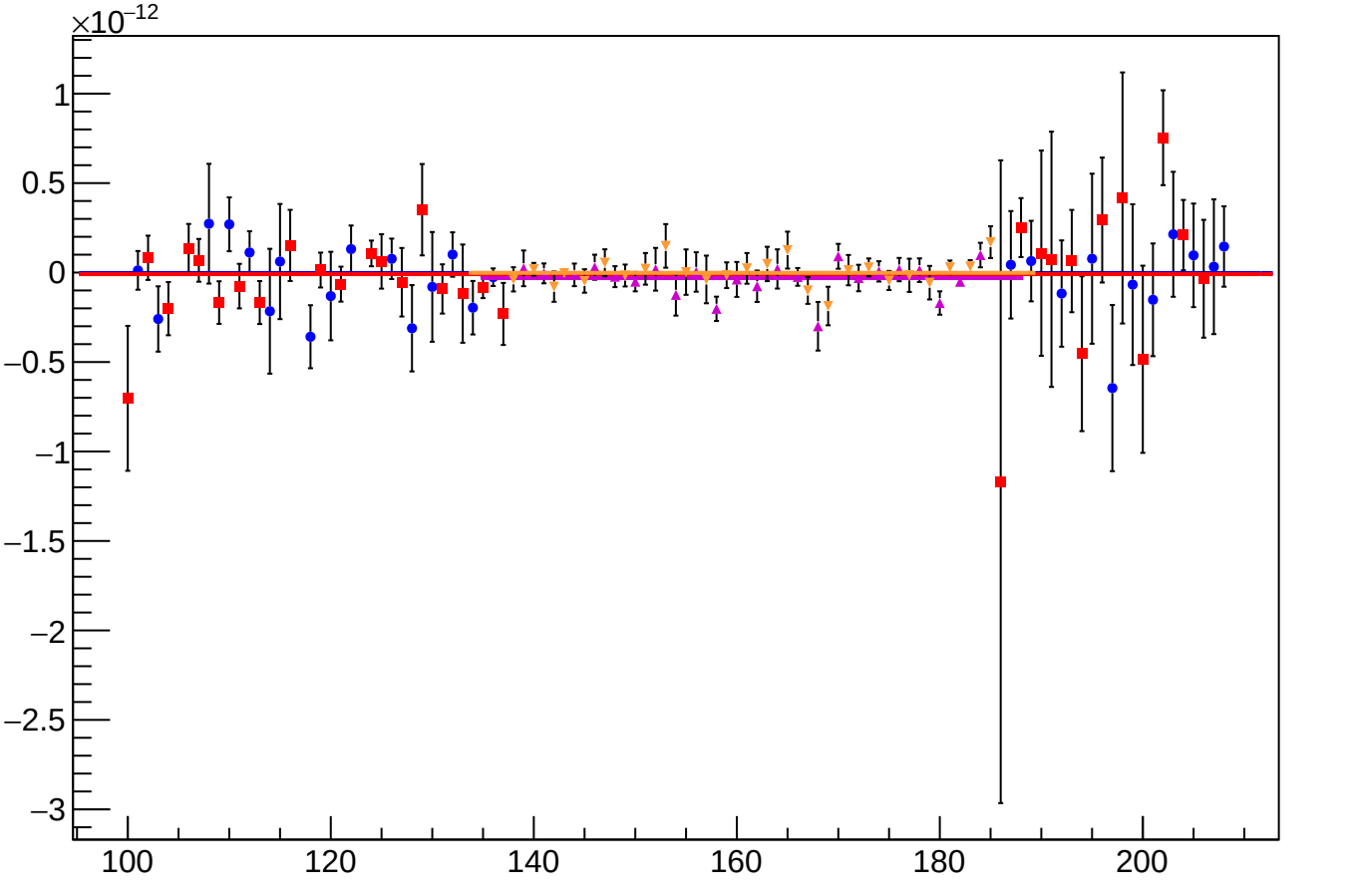
Right Out: 117.105+/-0.023 χ^2/NDF: 5408069.3/30

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 158.748+/-0.023 χ^2/NDF: 18501299.1/51

All: 151.872+/-0.016 χ^2/NDF: 38473048.1/10

- sign 145.757+/-0.021 χ^2/NDF: 19797950.5/53



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/30

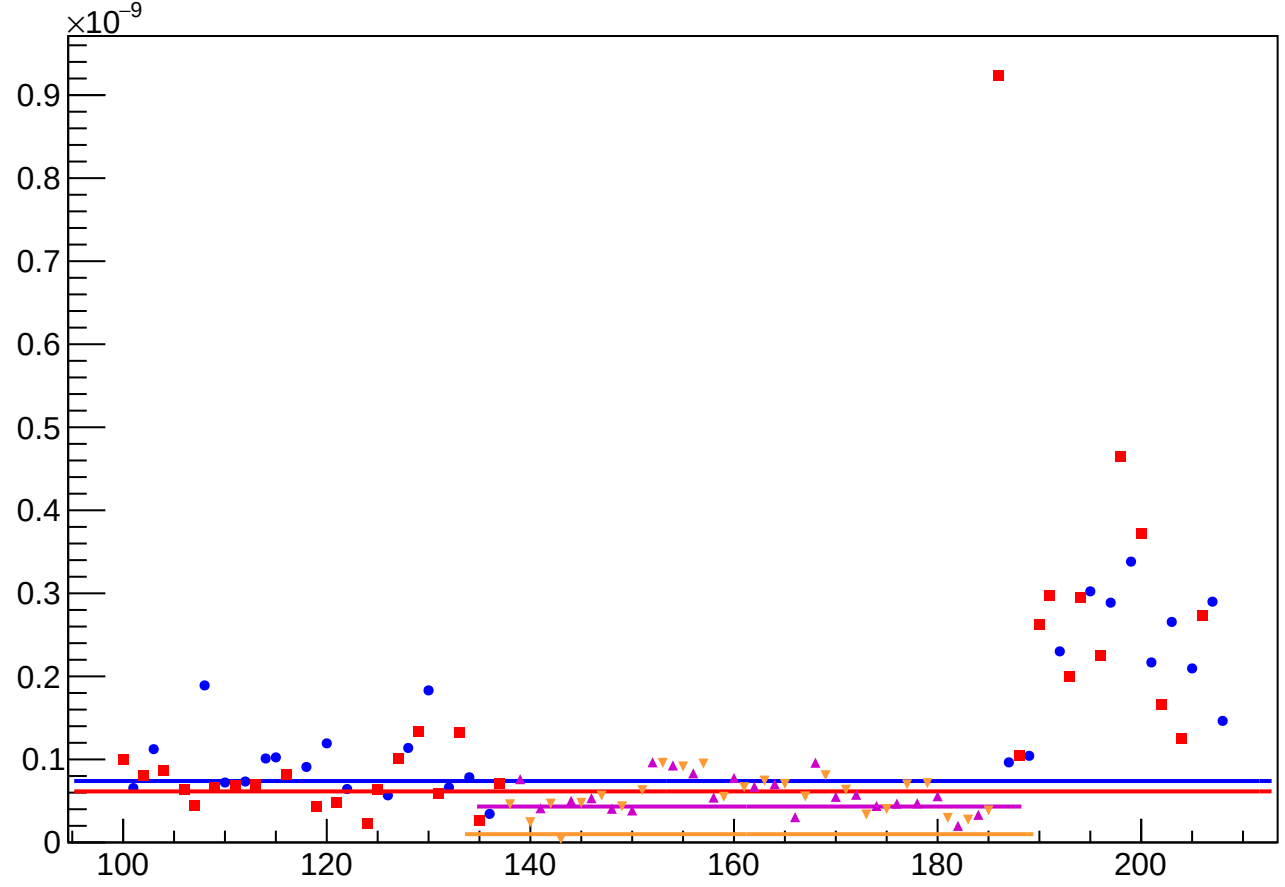
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.6/51

All: -0.000+/-0.000 χ^2/NDF: 104.9/105

- sign -0.000+/-0.000 χ^2/NDF: 62.6/53

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6614945.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7238383.6/30

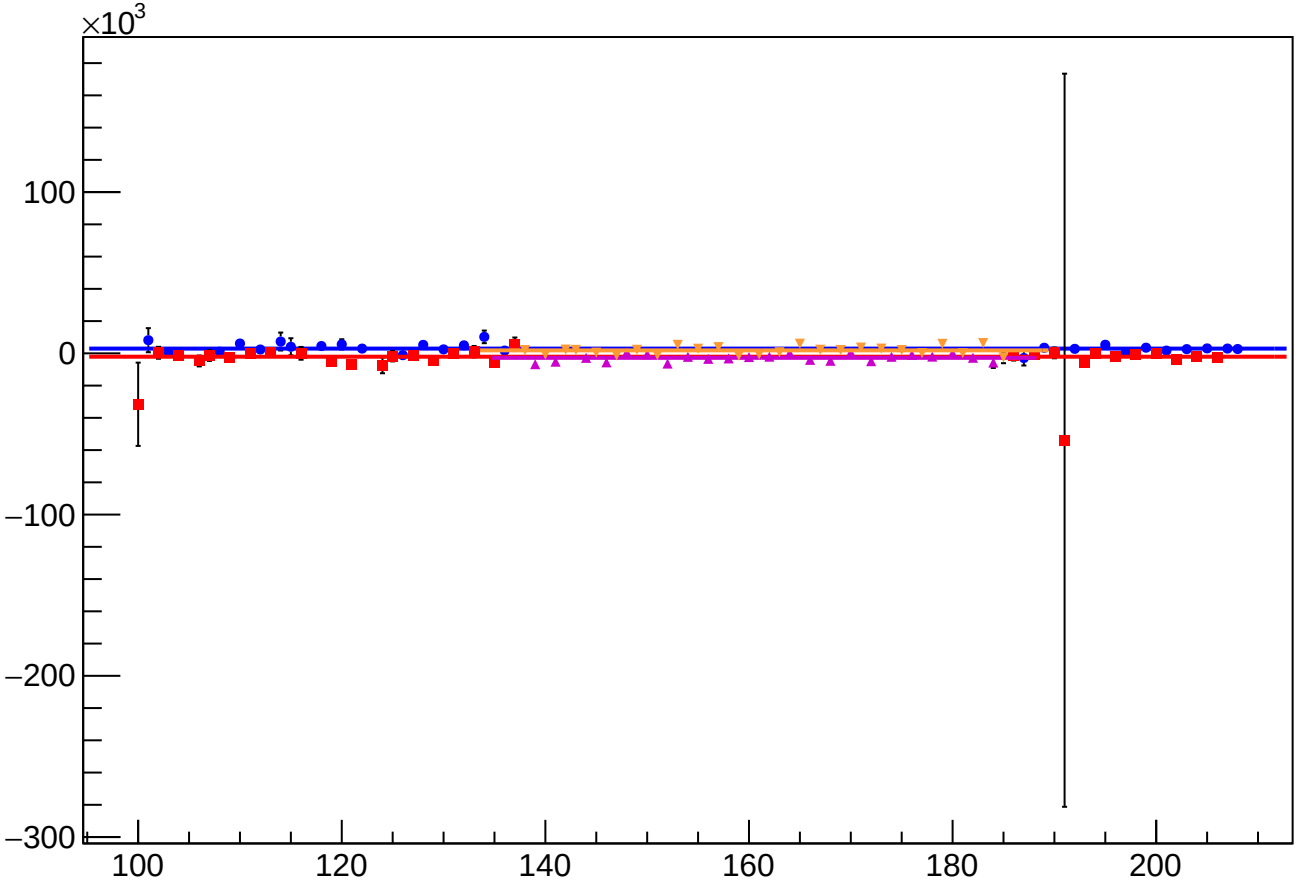
Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 33924792.6/51

All: 0.000+/-0.000 χ^2/NDF: 60947318.6/105

- sign 0.000+/-0.000 χ^2/NDF: 12066486.5/53

reg_asym_atr_avg_mean vs Slug



Right In: 2944.565+/-492.659 χ^2/NDF: 16.3/26

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -2087.840+/-487.090 χ^2/NDF: 22.6/30

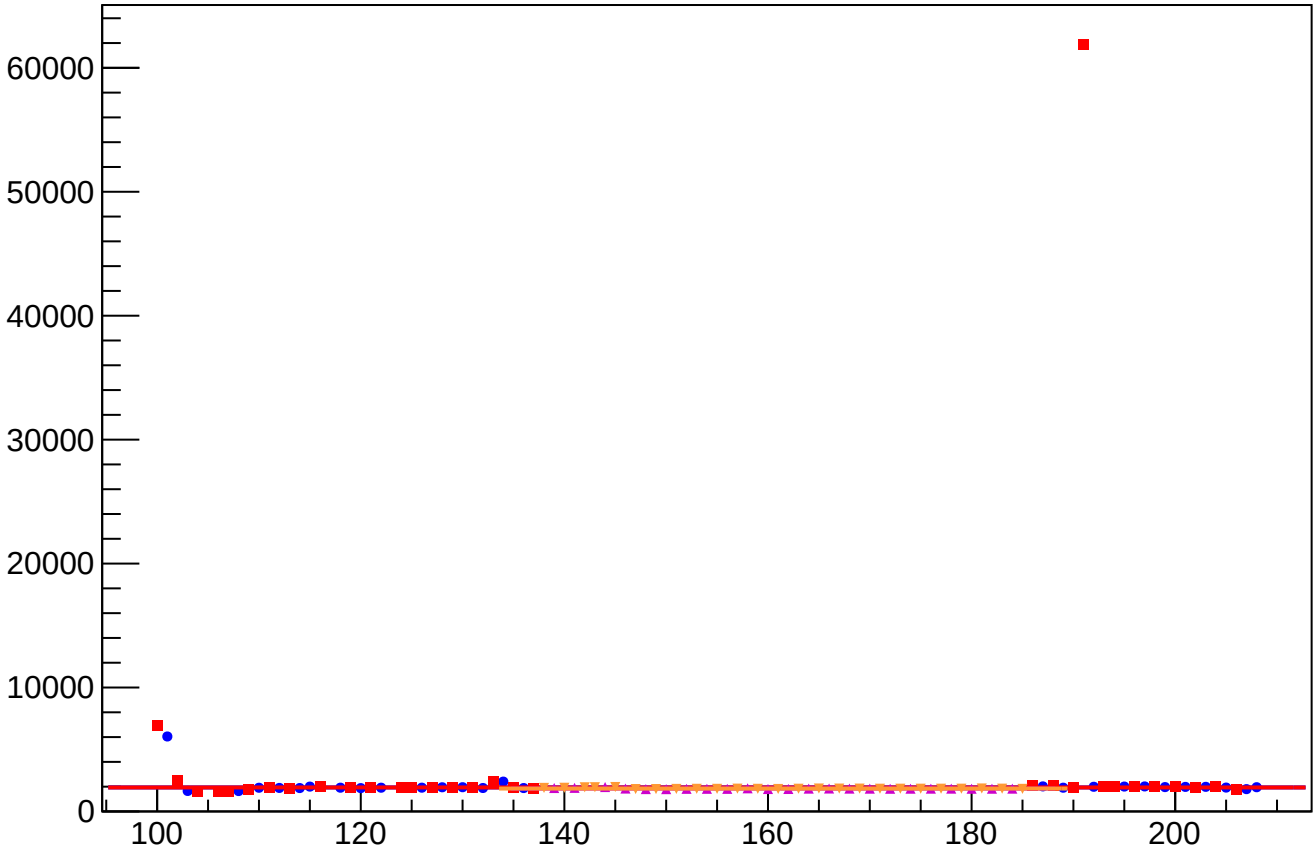
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2311.856+/-319.620 χ^2/NDF: 50.7/51

All: -57.824+/-227.095 χ^2/NDF: 210.8/105

- sign -2473.779+/-322.726 χ^2/NDF: 49.2/53

reg_asym_atr_avg_rms vs Slug



Right In: 1938.568+/-0.348 χ^2/NDF: 718151.3/26

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1936.537+/-0.344 χ^2/NDF: 415990.6/30

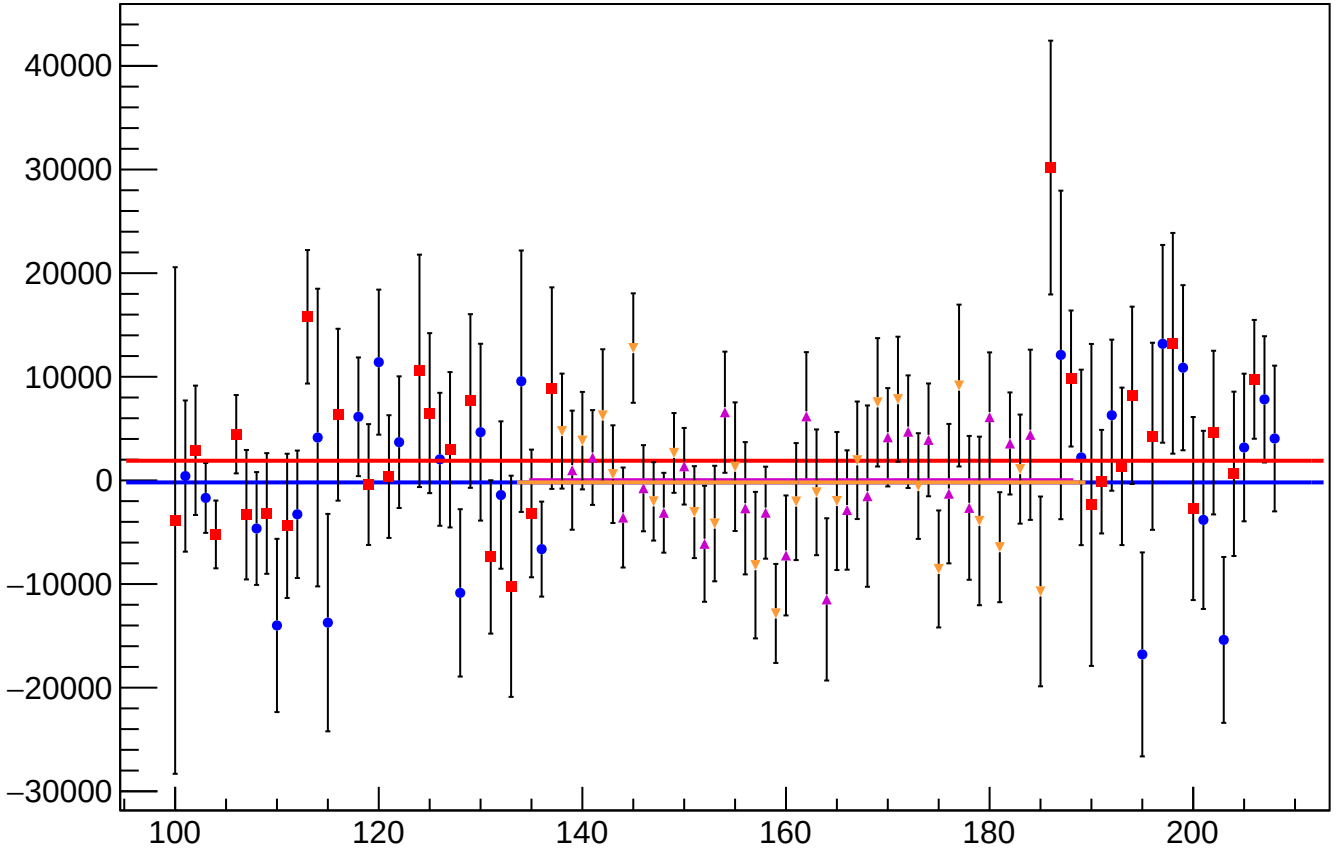
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1886.422+/-0.226 χ^2/NDF: 777729.9/51

All: 1885.861+/-0.161 χ^2/NDF: 1247404.5/10

- sign 1885.291+/-0.228 χ^2/NDF: 469662.1/53

asym_atr_avg_reg_correction_mean vs Slug



Right In: -193.207+/-1327.250 χ^2/NDF: 29.1/26

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 1897.545+/-1208.008 χ^2/NDF: 29.3/30

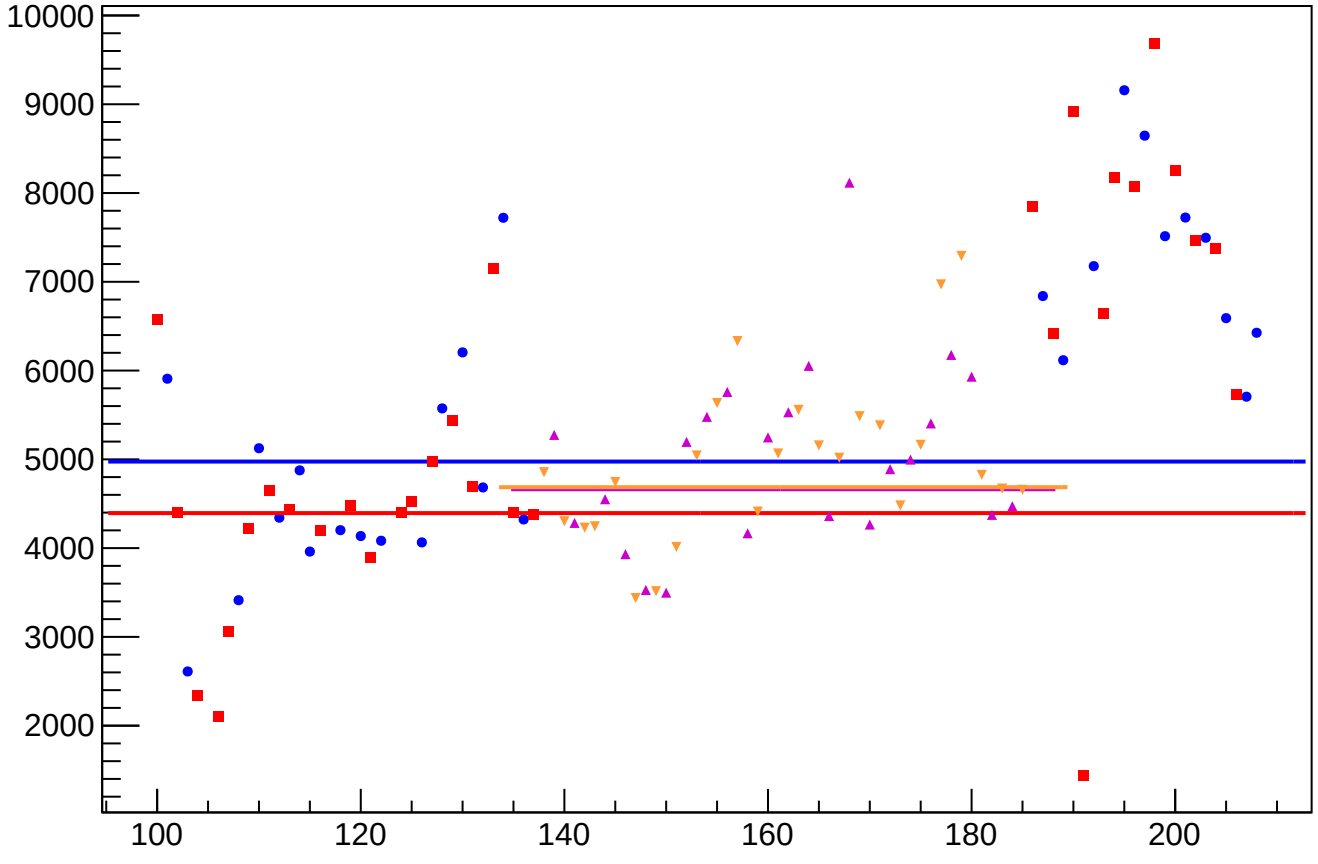
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -190.966+/-841.708 χ^2/NDF: 58.0/51

All: 360.269+/-586.752 χ^2/NDF: 103.2/105

- sign 881.359+/-818.370 χ^2/NDF: 44.3/53

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4975.028+/-0.939 χ^2/NDF: 3283167.3/26

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

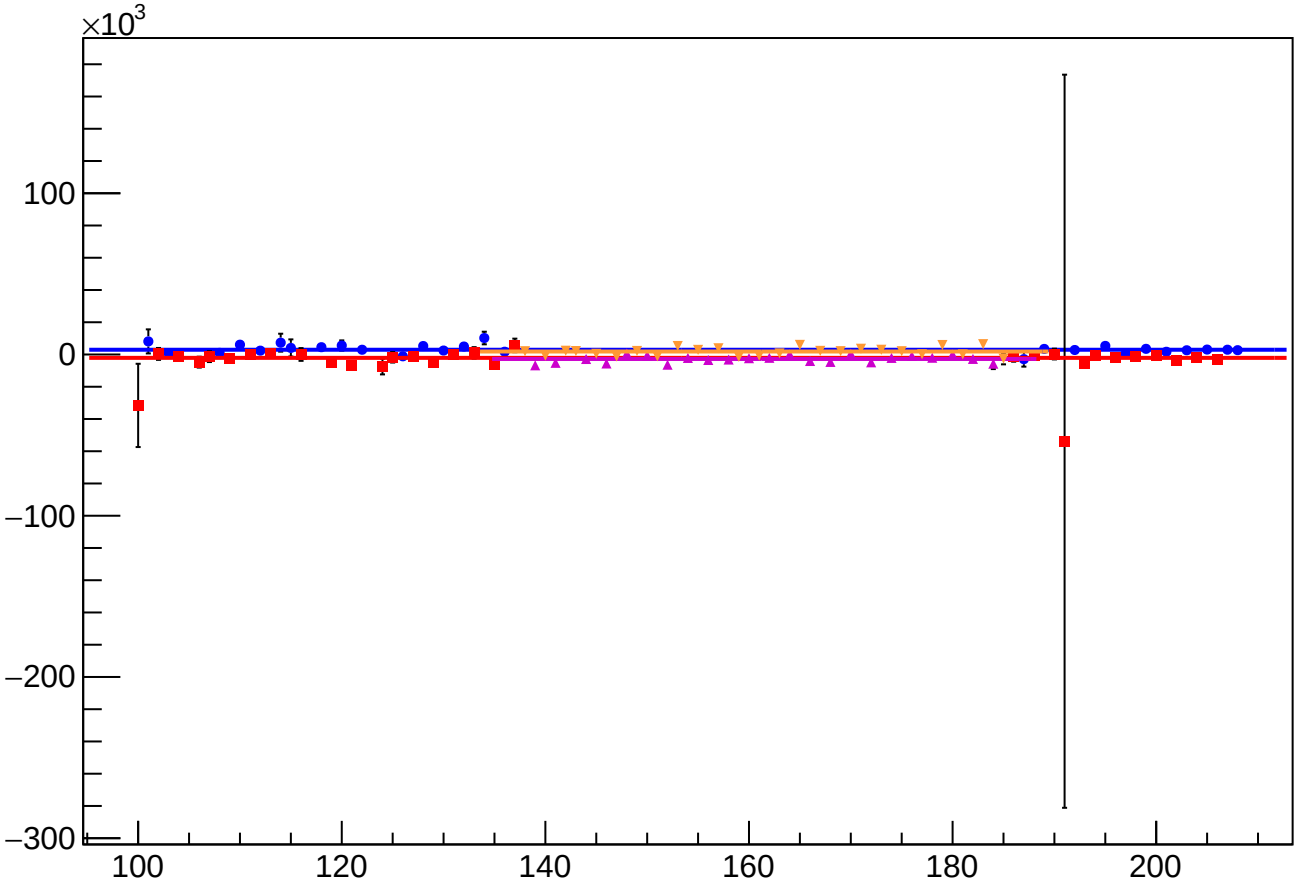
Right Out: 4394.564+/-0.854 χ^2/NDF: 5517108.2/30

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4802.452+/-0.595 χ^2/NDF: 4524791.5/51

All: 4667.511+/-0.415 χ^2/NDF: 11482164.5/1

- sign 4539.949+/-0.579 χ^2/NDF: 6857376.7/53



Right In: 2944.314+/-492.659 χ^2/NDF: 16.3/26

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2088.350+/-487.091 χ^2/NDF: 22.6/30

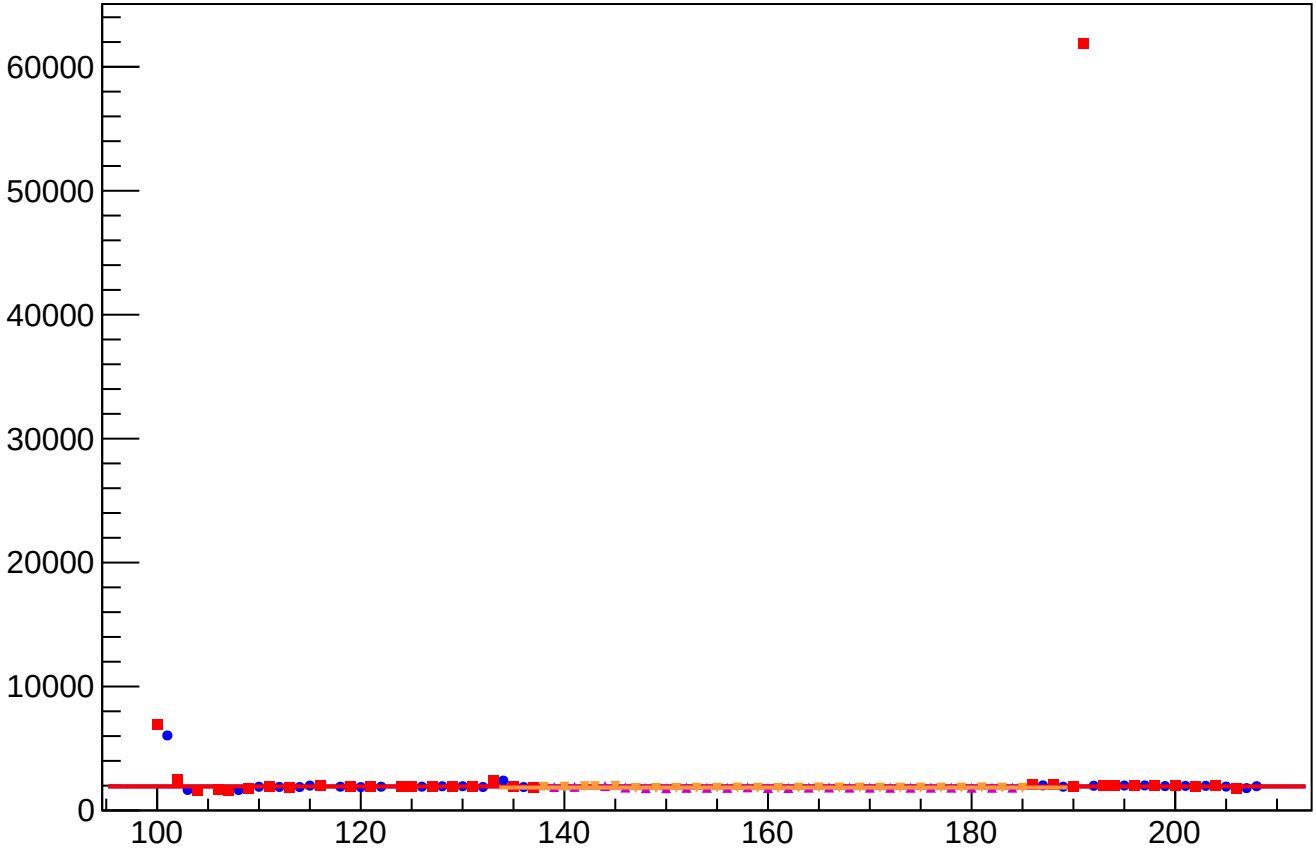
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2311.686+/-319.620 χ^2/NDF: 50.7/51

All: -58.012+/-227.096 χ^2/NDF: 210.9/105

- sign -2473.990+/-322.726 χ^2/NDF: 49.2/53

cor_asym_atr_avg_rms vs Slug



Right In: 1938.568+/-0.348 χ^2/NDF: 718150.4/26

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1938.492+/-0.344 χ^2/NDF: 408068.1/30

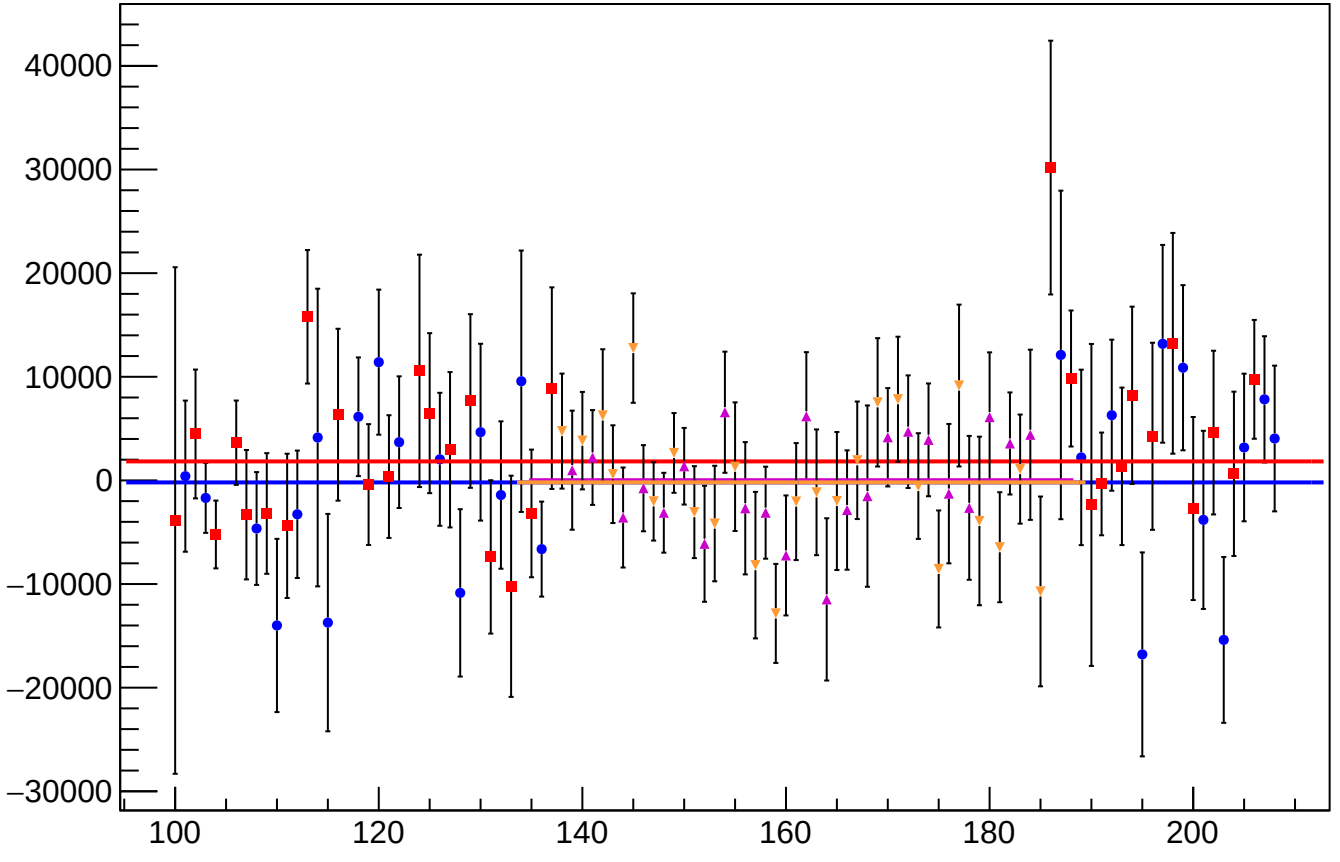
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1886.422+/-0.226 χ^2/NDF: 777729.2/51

All: 1886.267+/-0.161 χ^2/NDF: 1241141.6/10

- sign 1886.110+/-0.228 χ^2/NDF: 463411.5/53

asym_atr_avg_cor_correction_mean vs Slug



Right In: -193.406+/-1327.251 χ^2/NDF: 29.0/26

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1833.465+/-1215.721 χ^2/NDF: 29.2/30

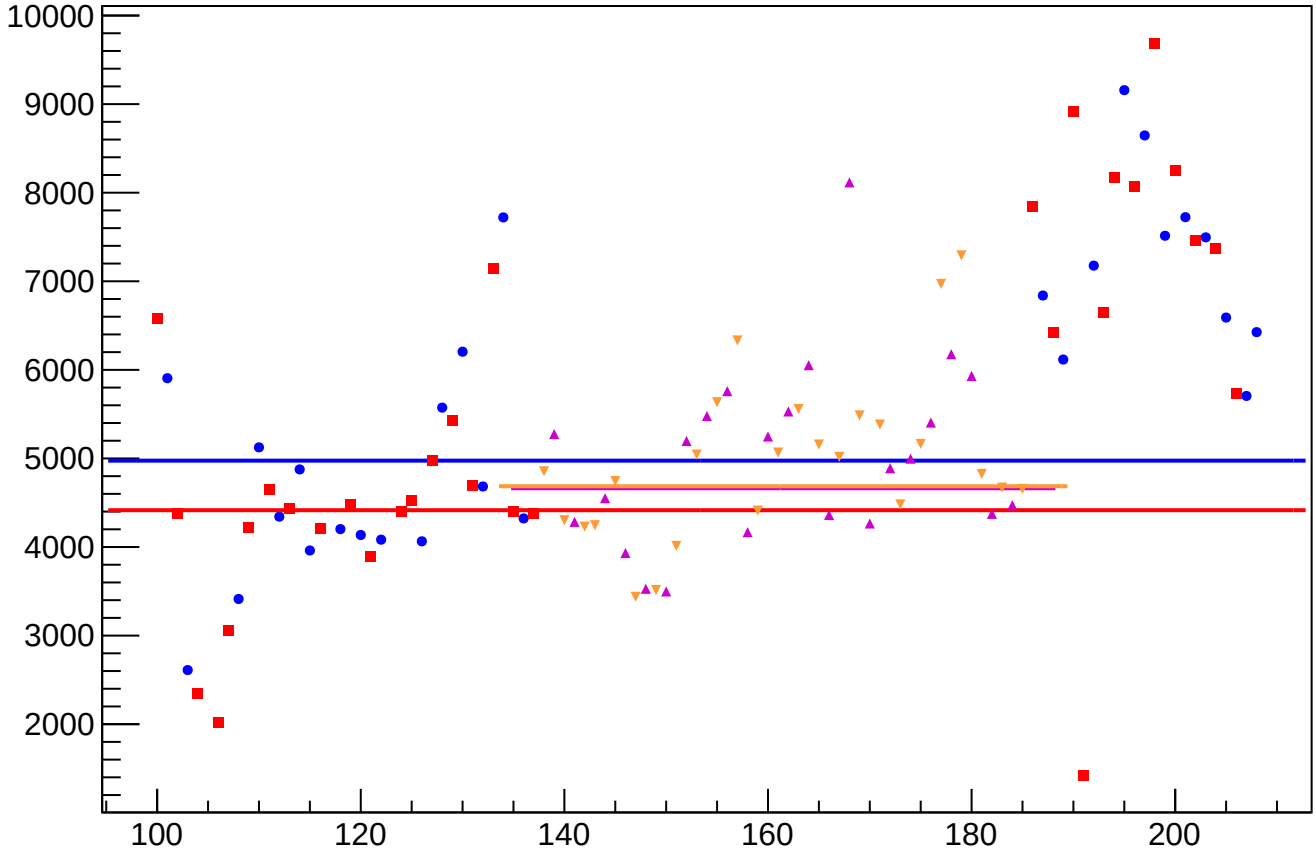
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -191.063+/-841.708 χ^2/NDF: 58.0/51

All: 340.660+/-587.630 χ^2/NDF: 102.9/105

- sign 846.241+/-820.756 χ^2/NDF: 44.2/53

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4975.095+/-0.939 χ^2/NDF: 3282539.9/26

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4415.638+/-0.860 χ^2/NDF: 5477333.2/30

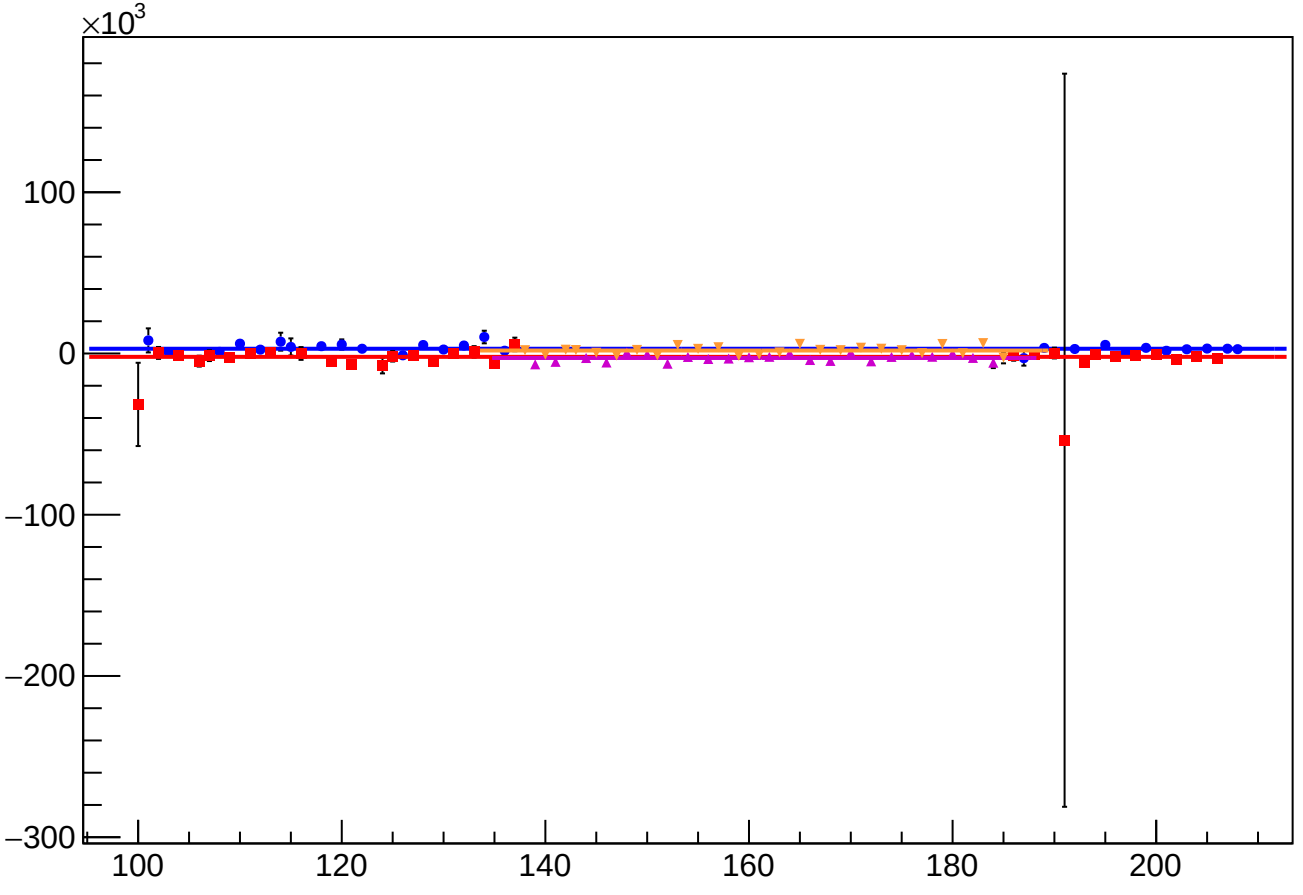
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4802.474+/-0.595 χ^2/NDF: 4524218.5/51

All: 4673.263+/-0.416 χ^2/NDF: 11425380.0/1

- sign 4550.404+/-0.580 χ^2/NDF: 6809216.6/53

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 2944.314+/-492.659 χ^2/NDF: 16.3/26

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2088.350+/-487.091 χ^2/NDF: 22.6/30

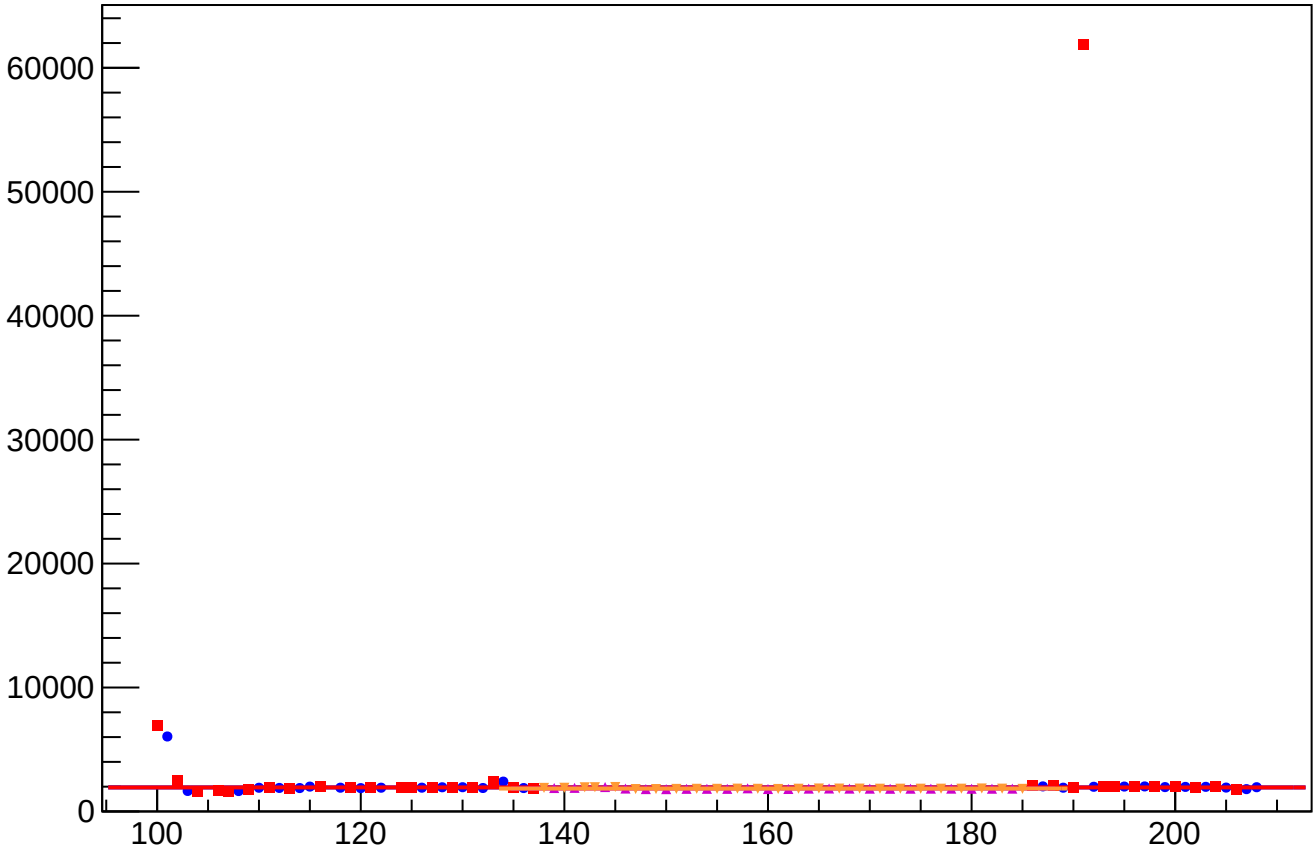
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2311.686+/-319.620 χ^2/NDF: 50.7/51

All: -58.012+/-227.096 χ^2/NDF: 210.9/105

- sign -2473.990+/-322.726 χ^2/NDF: 49.2/53

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1938.568+/-0.348 χ^2/NDF: 718150.4/26

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1938.492+/-0.344 χ^2/NDF: 408068.1/30

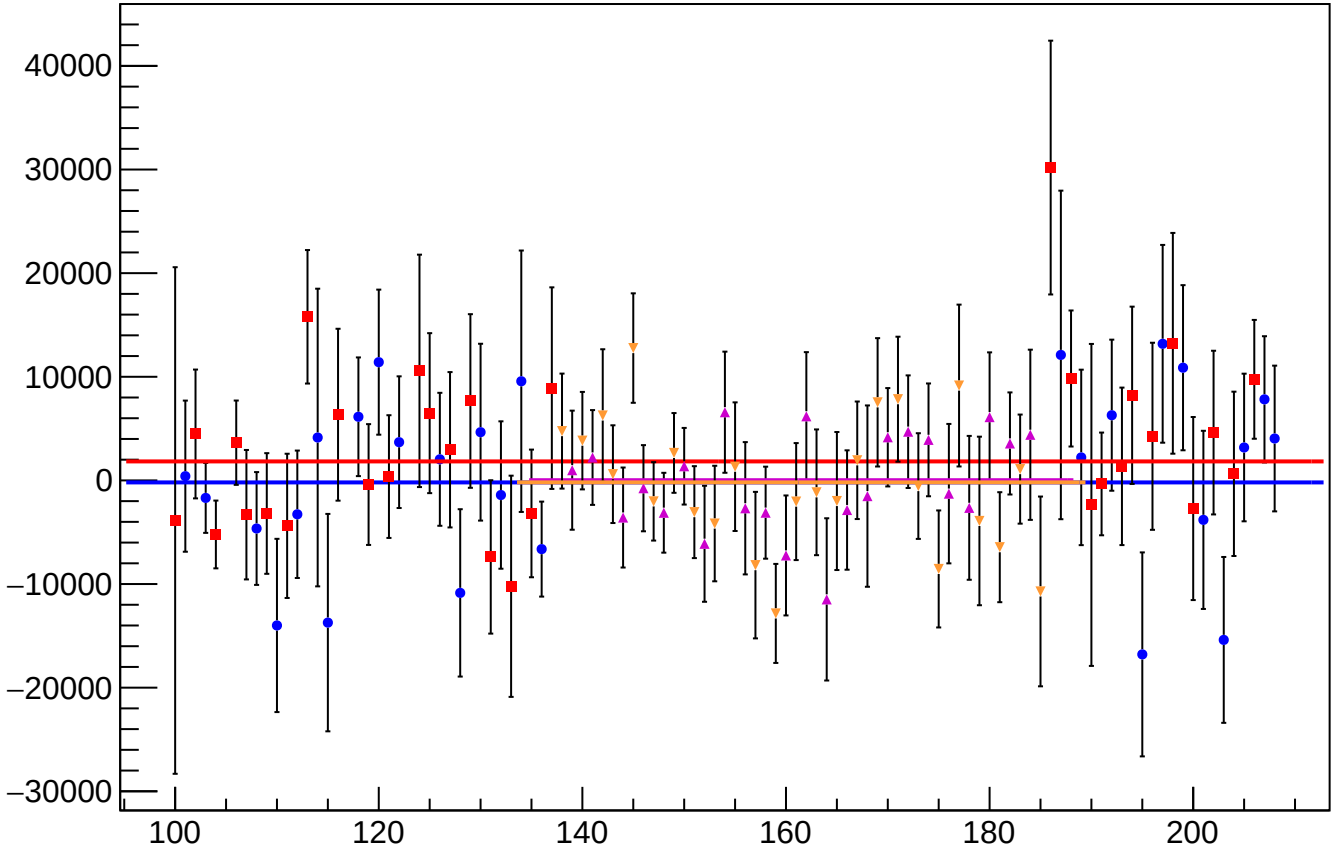
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1886.422+/-0.226 χ^2/NDF: 777729.2/51

All: 1886.267+/-0.161 χ^2/NDF: 1241141.6/10

- sign 1886.110+/-0.228 χ^2/NDF: 463411.5/53

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -193.406+/-1327.251 χ^2/NDF: 29.0/26

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1833.465+/-1215.721 χ^2/NDF: 29.2/30

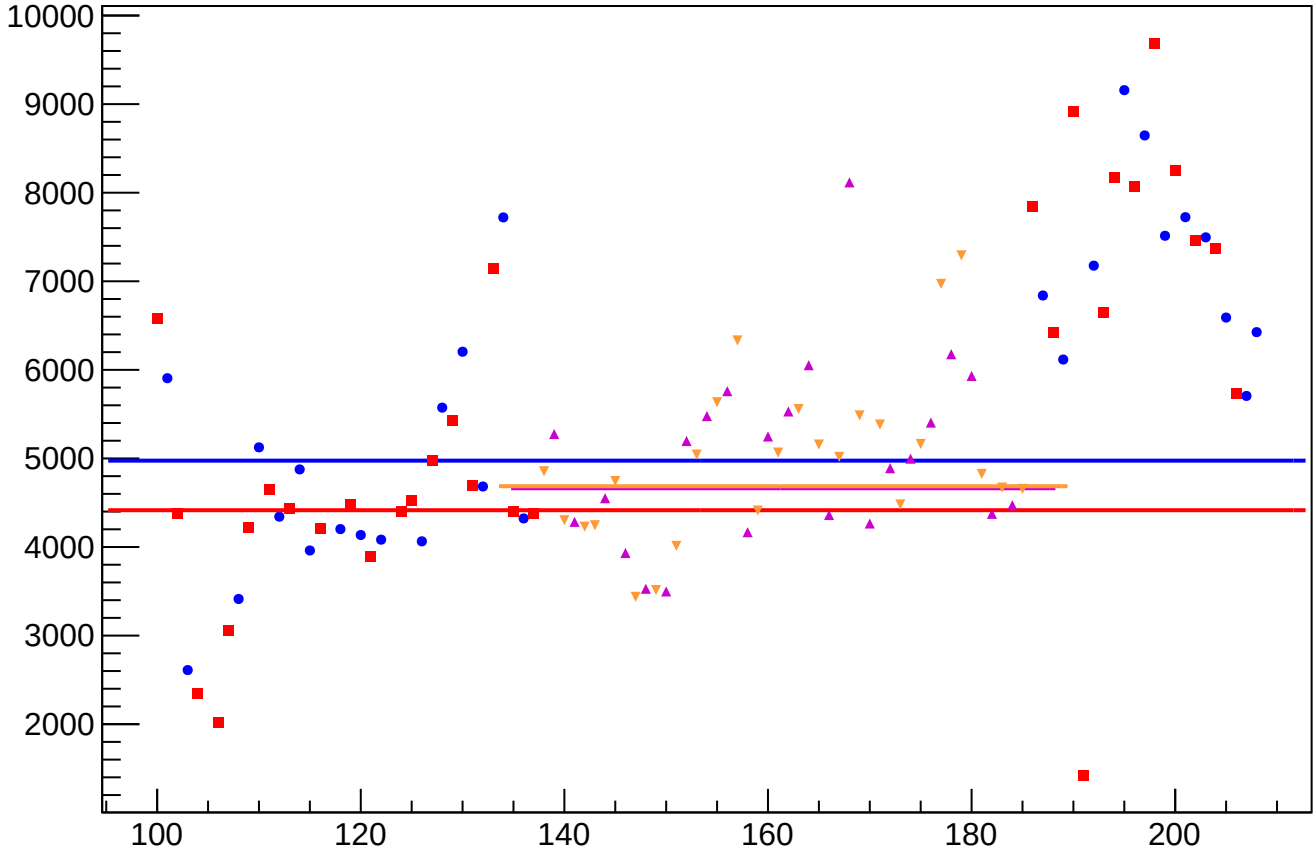
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -191.063+/-841.708 χ^2/NDF: 58.0/51

All: 340.660+/-587.630 χ^2/NDF: 102.9/105

- sign 846.241+/-820.756 χ^2/NDF: 44.2/53

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4975.095+/-0.939 χ^2/NDF: 3282539.9/26

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4415.638+/-0.860 χ^2/NDF: 5477333.2/30

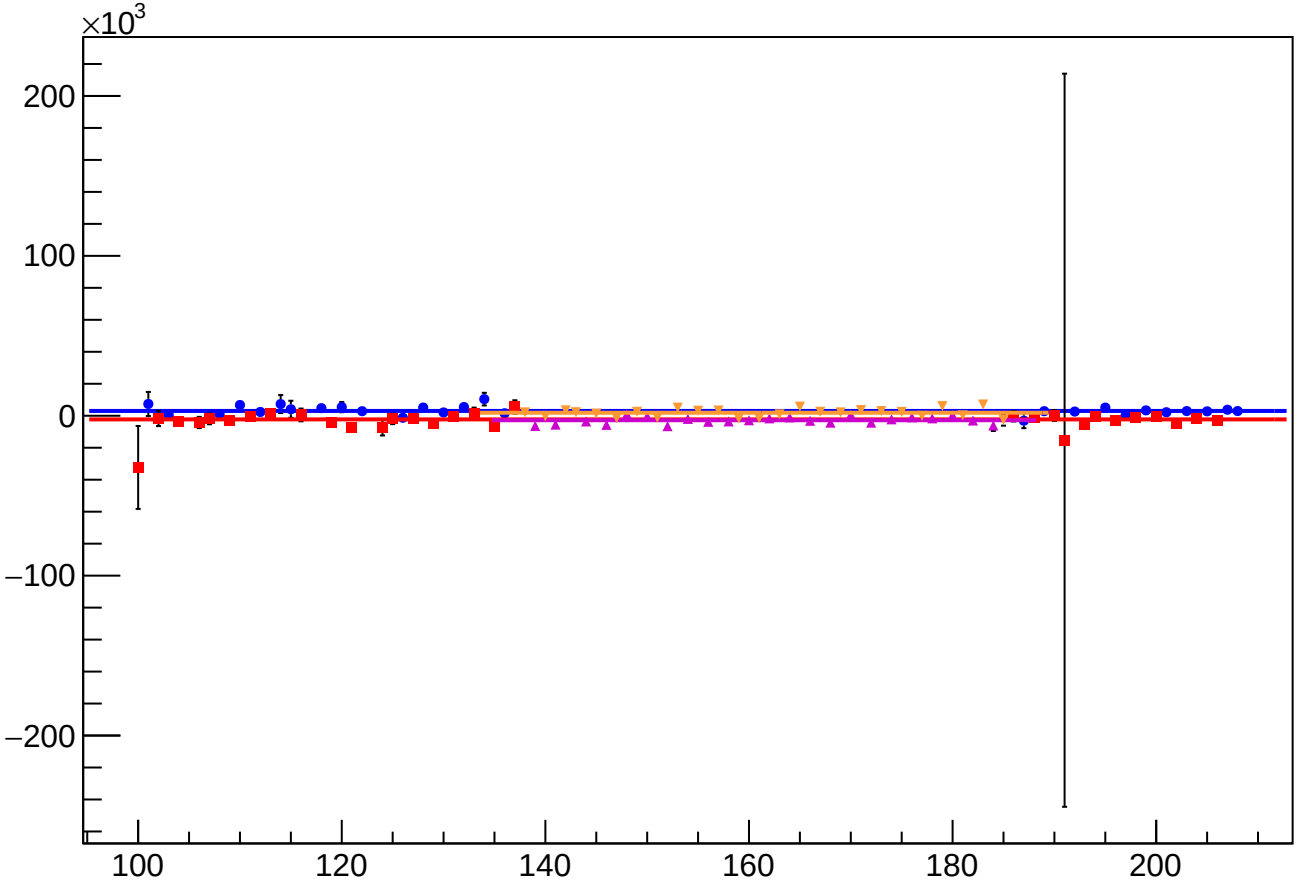
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4802.474+/-0.595 χ^2/NDF: 4524218.5/51

All: 4673.263+/-0.416 χ^2/NDF: 11425380.0/1

- sign 4550.404+/-0.580 χ^2/NDF: 6809216.6/53

dit_asym_atr_avg_mean vs Slug



Right In: 3009.287+/-502.803 χ^2/NDF: 16.7/26

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2278.225+/-498.552 χ^2/NDF: 23.4/30

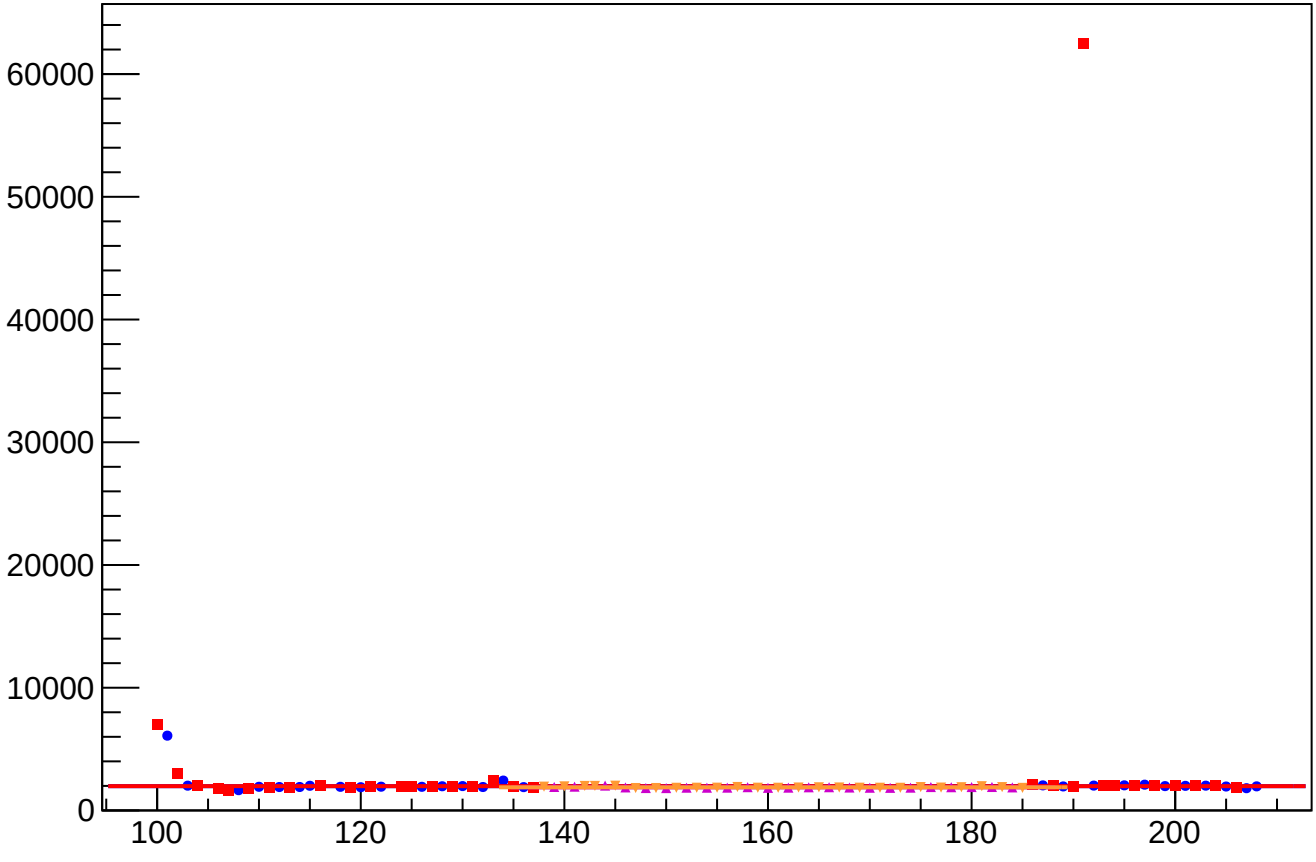
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2356.268+/-326.345 χ^2/NDF: 52.6/51

All: -83.172+/-231.893 χ^2/NDF: 214.9/105

- sign -2571.104+/-329.572 χ^2/NDF: 49.5/53

dit_asym_atr_avg_rms vs Slug



Right In: 1979.085+/-0.356 χ^2/NDF: 690426.0/26

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1979.824+/-0.352 χ^2/NDF: 431860.9/30

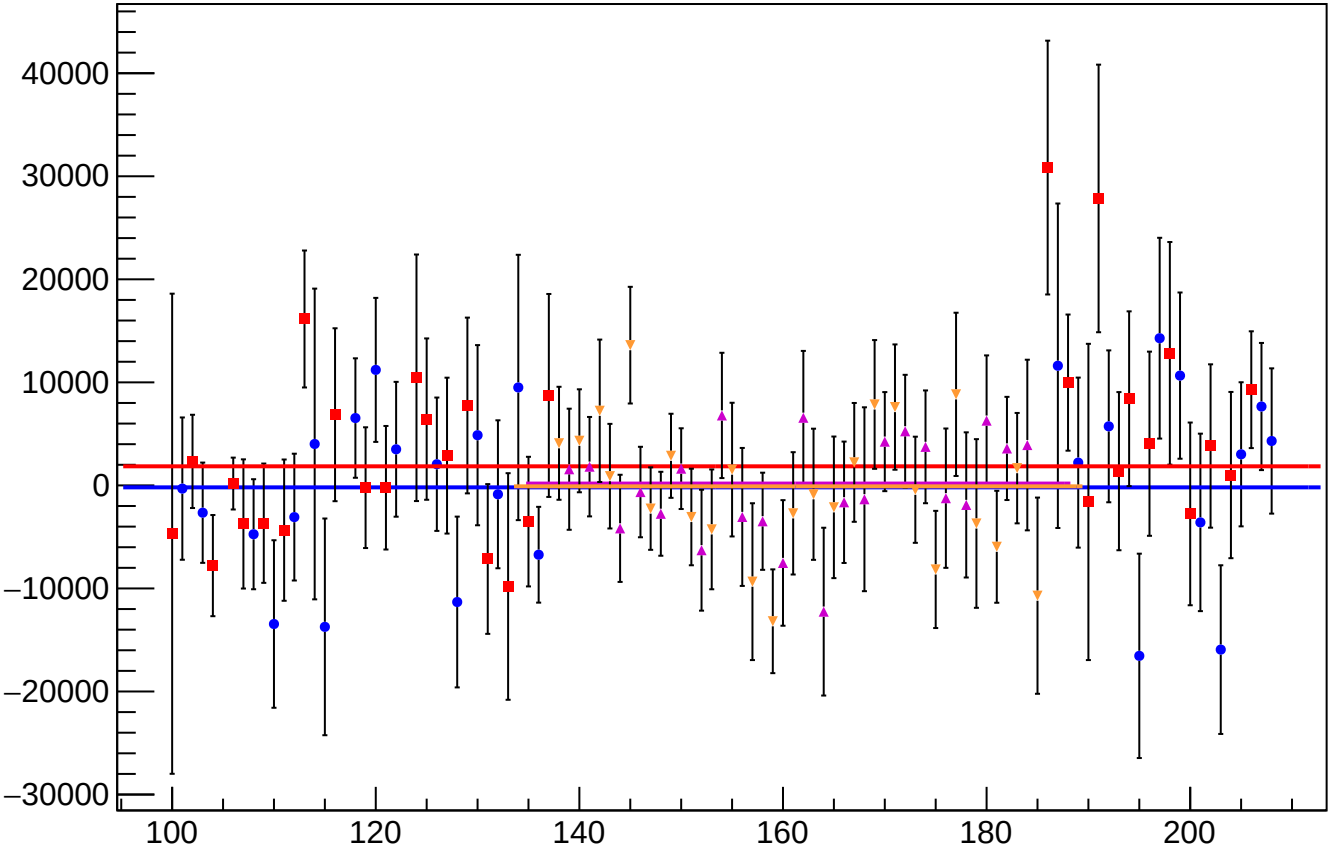
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1926.108+/-0.231 χ^2/NDF: 760746.7/51

All: 1925.048+/-0.164 χ^2/NDF: 1256332.4/10

- sign 1923.966+/-0.233 χ^2/NDF: 495543.0/53

asym_atr_avg_dit_correction_mean vs Slug



Right In: -190.209+/-1388.632 χ^2/NDF: 28.9/26

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 1852.152+/-1191.344 χ^2/NDF: 32.2/30

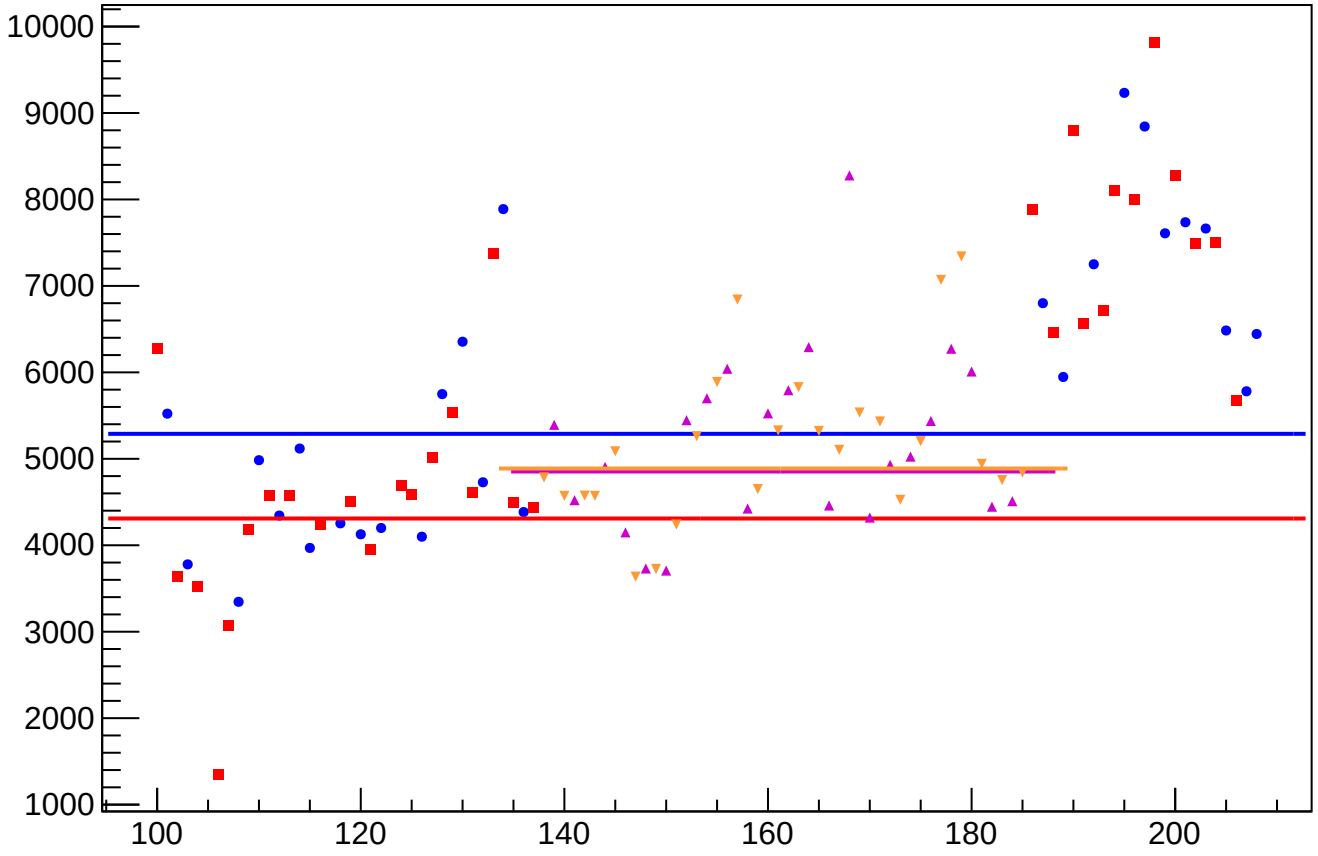
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -131.193+/-877.978 χ^2/NDF: 57.0/51

All: 460.831+/-603.013 χ^2/NDF: 104.6/105

- sign 989.474+/-829.651 χ^2/NDF: 46.8/53

asym_atr_avg_dit_correction_rms vs Slug



Right In: 5288.844+/-0.982 χ^2/NDF: 2364546.5/26

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4309.400+/-0.842 χ^2/NDF: 6425774.1/30

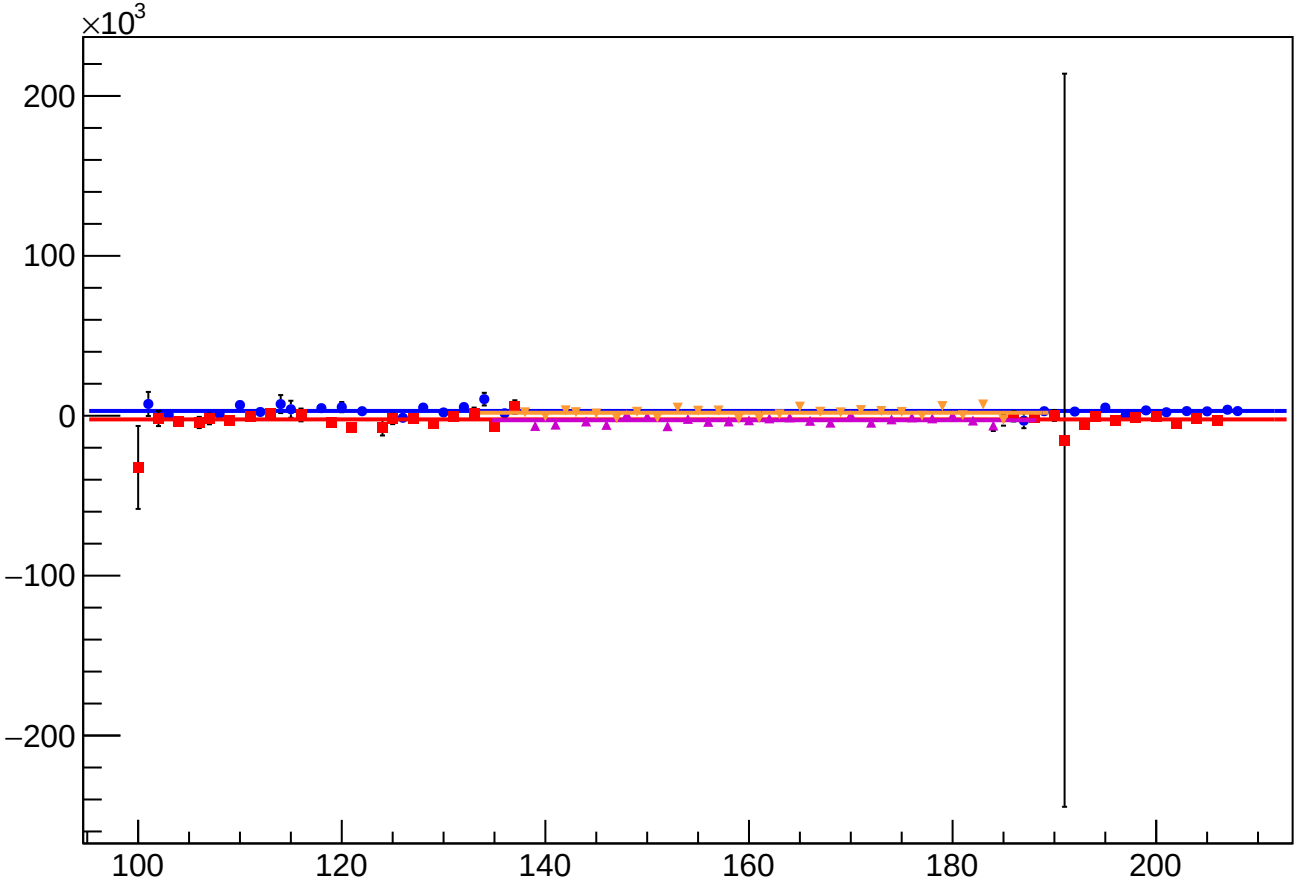
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 5048.133+/-0.621 χ^2/NDF: 3527964.9/51

All: 4805.877+/-0.426 χ^2/NDF: 11635358.9/1

- sign 4589.556+/-0.587 χ^2/NDF: 7819157.1/53

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3009.287+/-502.803 χ^2/NDF: 16.7/26

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2278.224+/-498.552 χ^2/NDF: 23.4/30

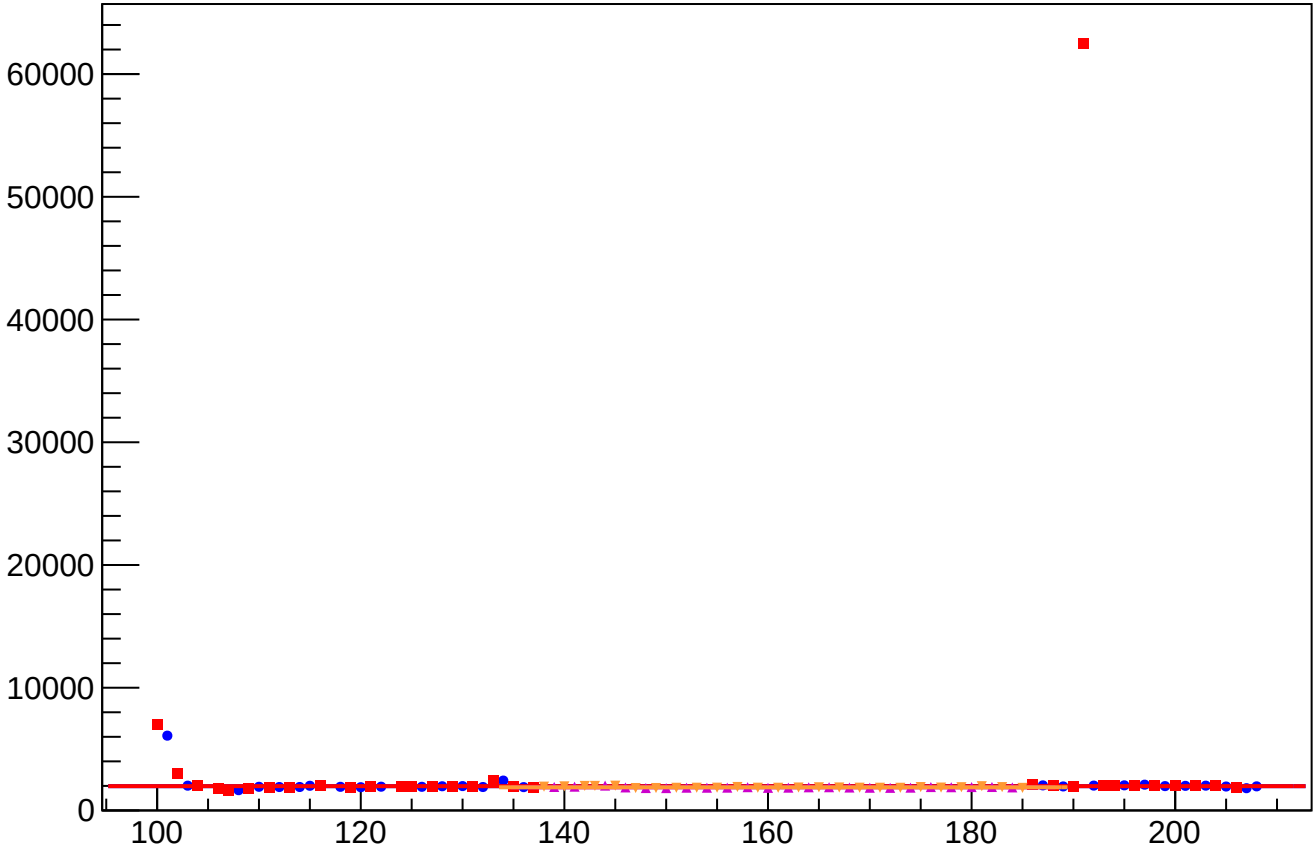
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2356.264+/-326.345 χ^2/NDF: 52.6/51

All: -83.173+/-231.893 χ^2/NDF: 214.9/105

- sign -2571.103+/-329.573 χ^2/NDF: 49.5/53

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1979.085+/-0.356 χ^2/NDF: 690426.1/26

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

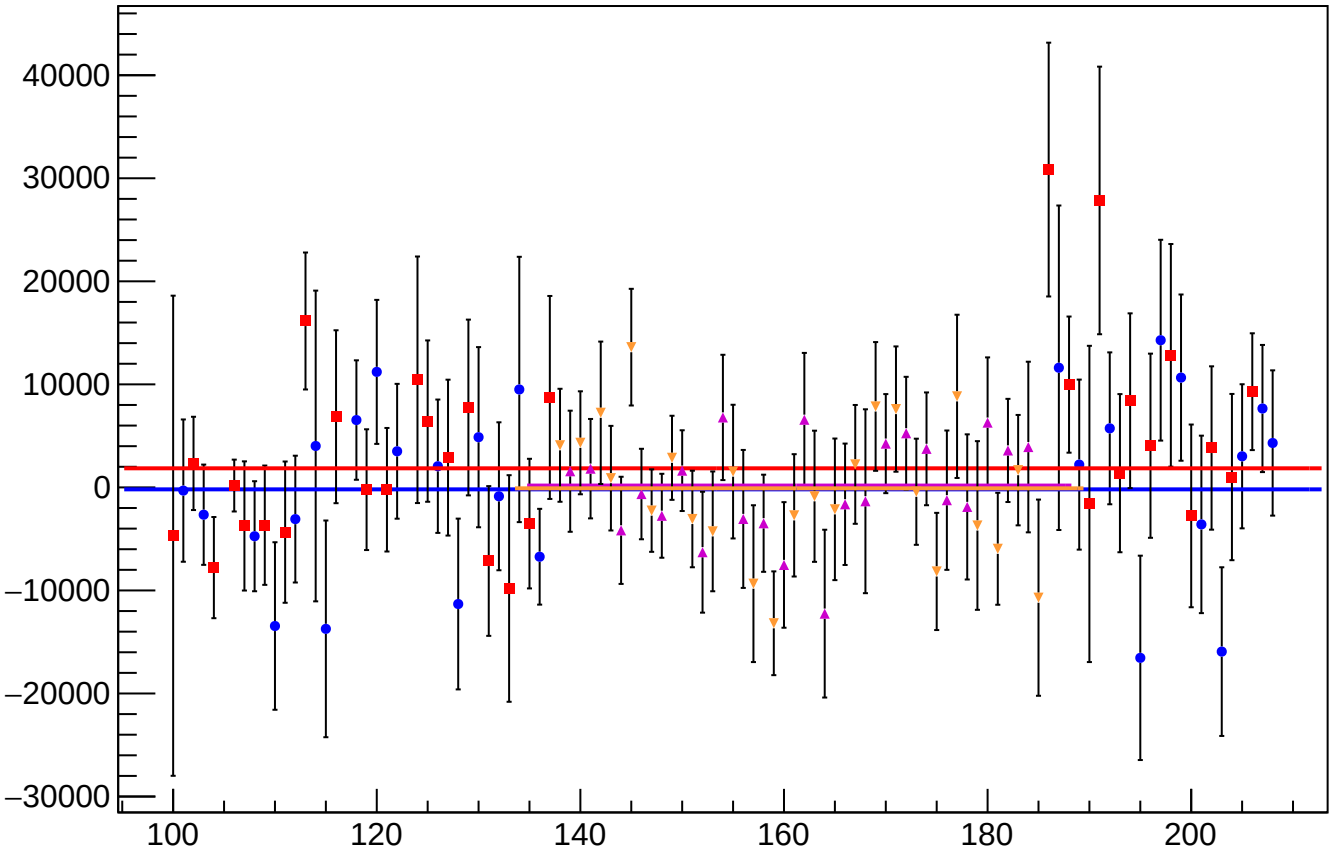
Right Out: 1979.824+/-0.352 χ^2/NDF: 431860.5/30

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1926.108+/-0.231 χ^2/NDF: 760746.1/51

All: 1925.048+/-0.164 χ^2/NDF: 1256330.6/10

- sign 1923.967+/-0.233 χ^2/NDF: 495541.9/53



Right In: -190.200+/-1388.631 χ^2/NDF: 28.9/26

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 1852.147+/-1191.342 χ^2/NDF: 32.2/30

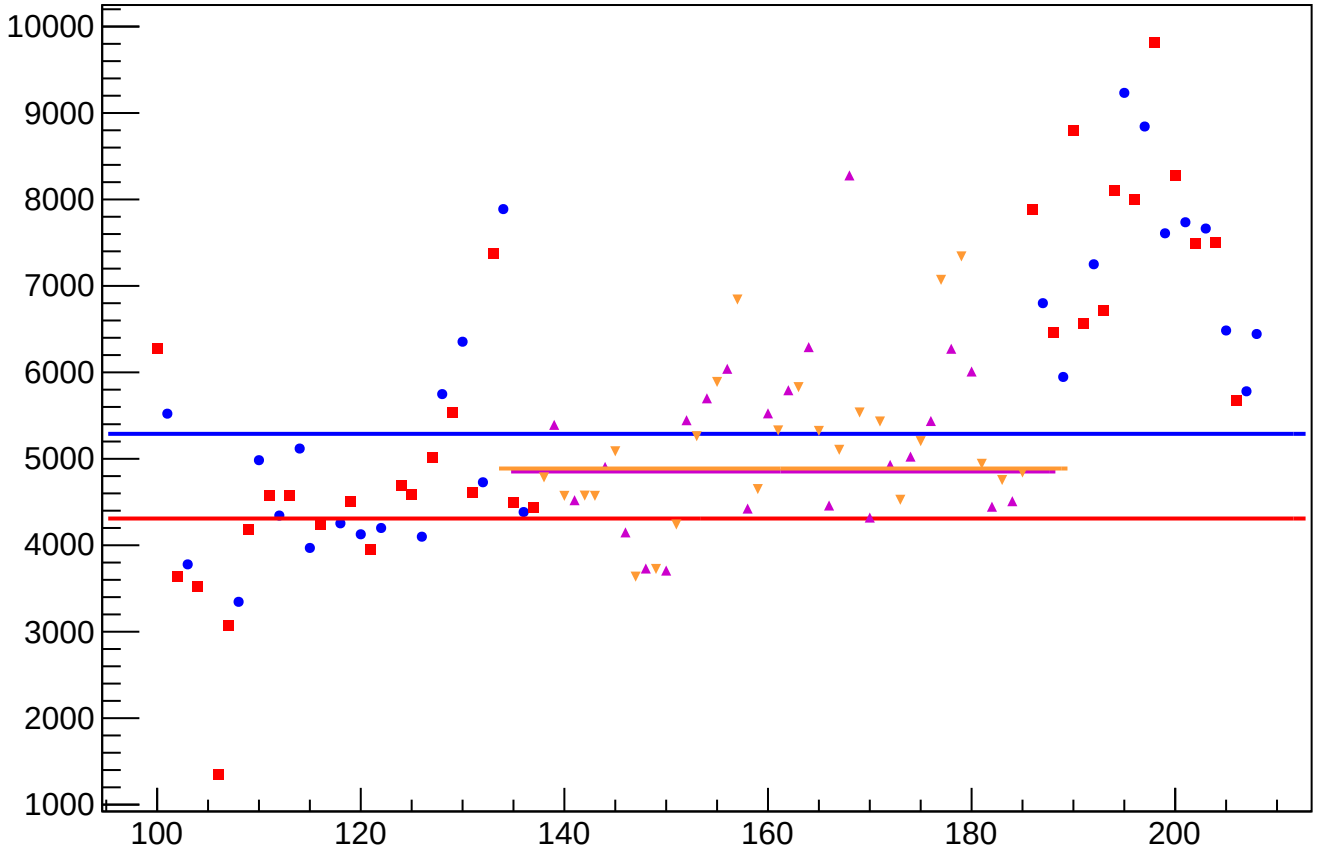
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -131.192+/-877.979 χ^2/NDF: 57.0/51

All: 460.832+/-603.014 χ^2/NDF: 104.6/105

- sign 989.475+/-829.652 χ^2/NDF: 46.8/53

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 5288.839+/-0.982 χ^2/NDF: 2364564.1/26

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4309.391+/-0.842 χ^2/NDF: 6425807.3/30

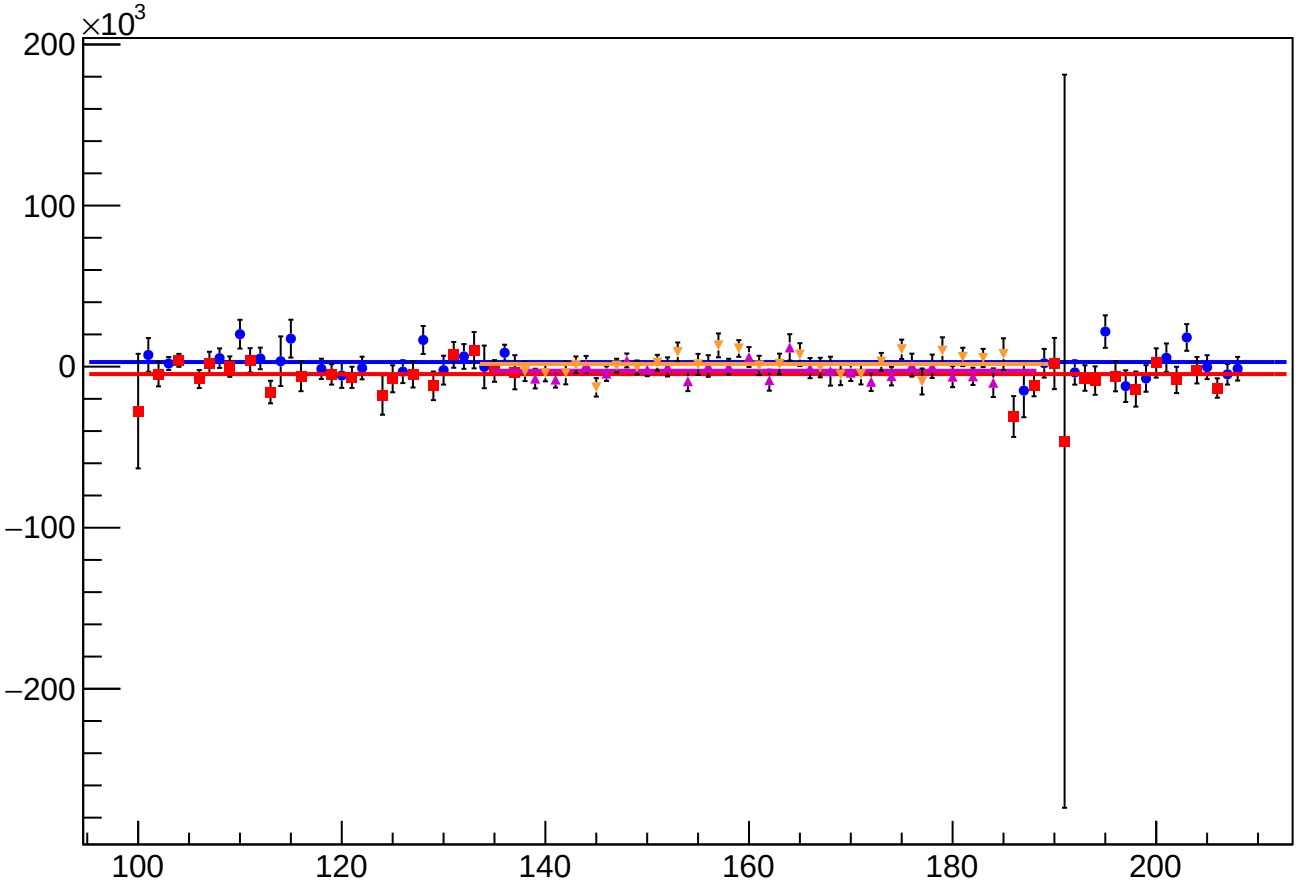
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 5048.136+/-0.621 χ^2/NDF: 3527977.4/51

All: 4805.877+/-0.426 χ^2/NDF: 11635425.3/1

- sign 4589.554+/-0.587 χ^2/NDF: 7819205.7/53

asym_atr_avg_mean vs Slug



Right In: 2855.467+/-1455.553 χ^2/NDF: 27.4/26

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -4603.560+/-1404.137 χ^2/NDF: 26.1/30

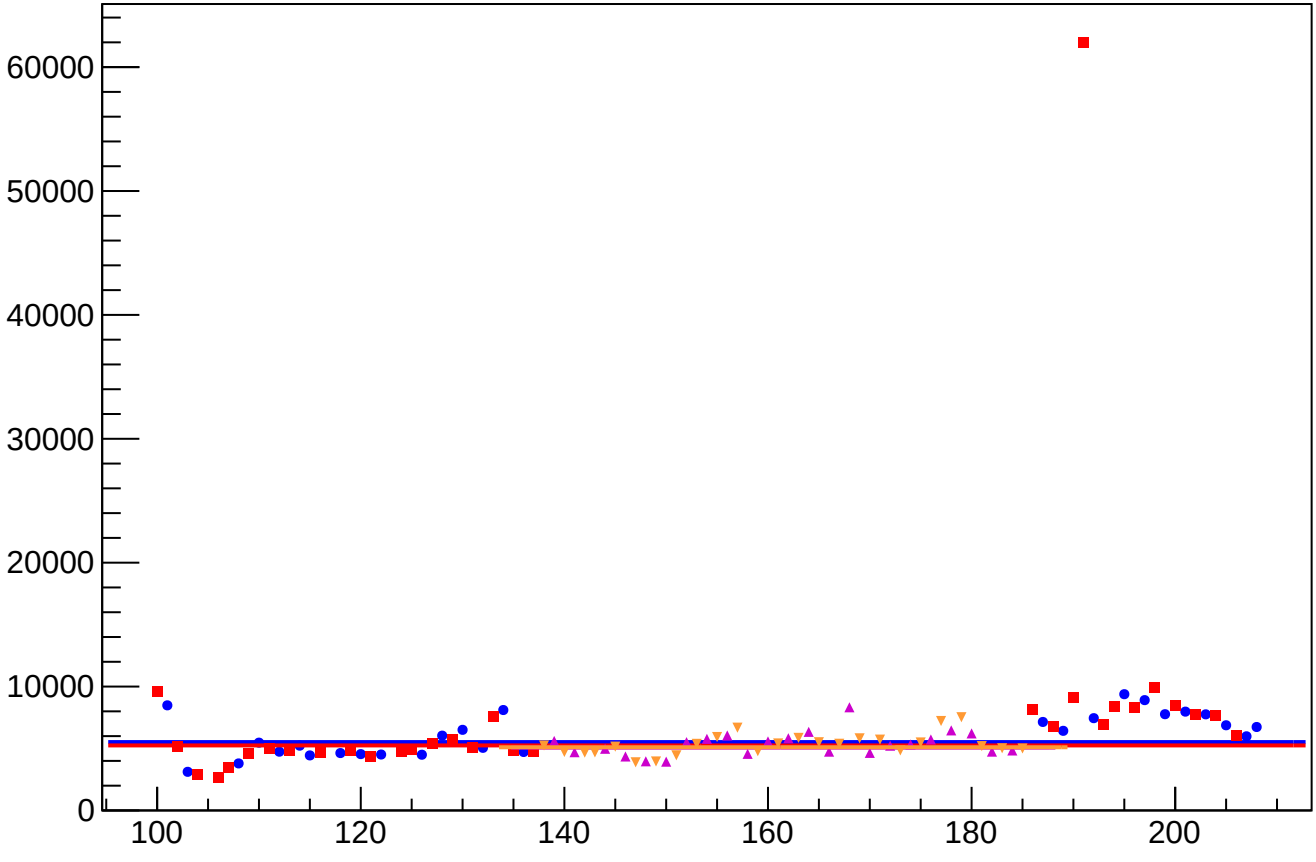
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2130.190+/-915.995 χ^2/NDF: 53.8/51

All: -654.534+/-647.069 χ^2/NDF: 115.6/105

- sign -3428.333+/-914.196 χ^2/NDF: 43.3/53

asym_atr_avg_rms vs Slug



Right In: 5518.807+/-1.029 χ^2/NDF: 2681487.3/26

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5249.680+/-0.987 χ^2/NDF: 3579976.7/30

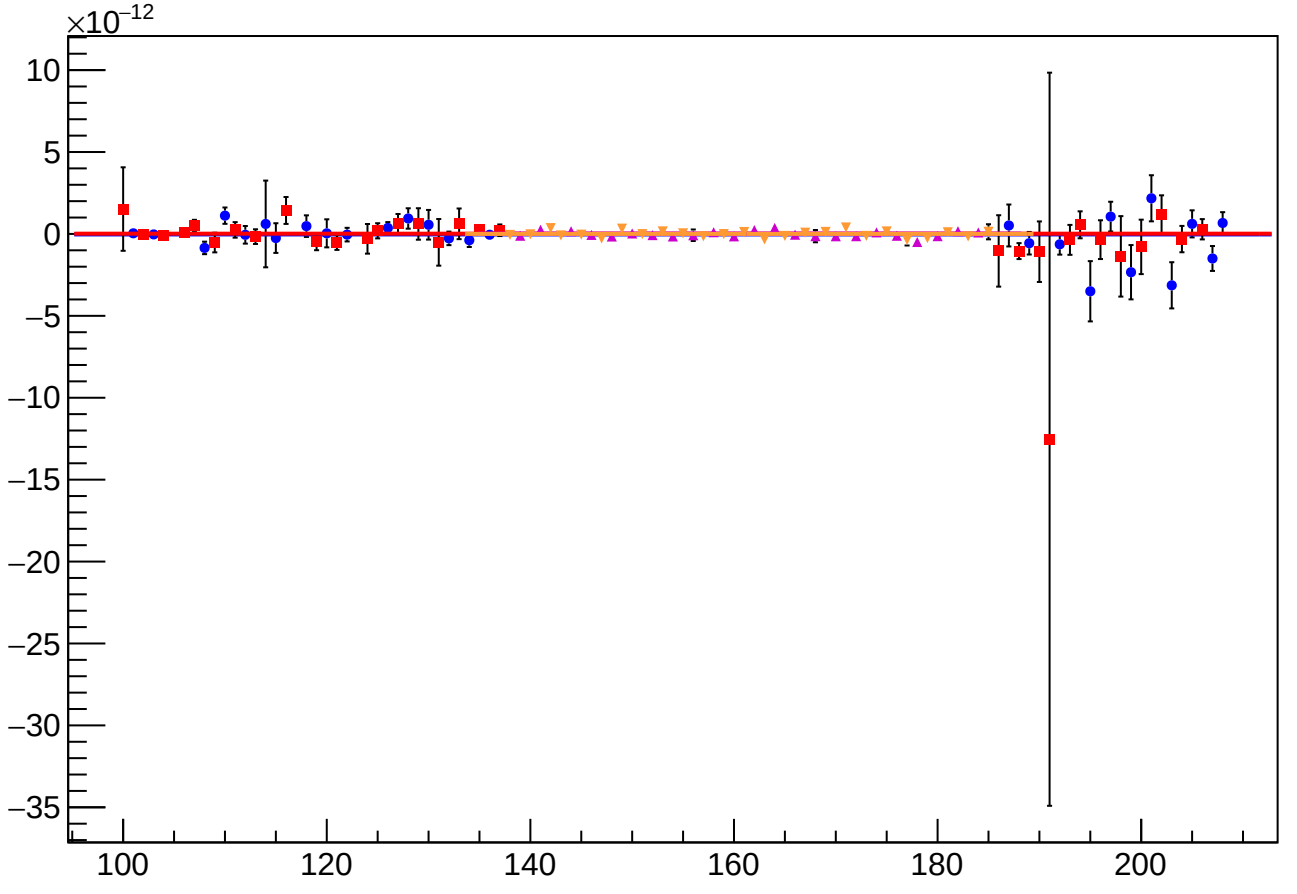
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5266.248+/-0.648 χ^2/NDF: 3690515.6/51

All: 5207.223+/-0.457 χ^2/NDF: 8297200.4/10

- sign 5148.736+/-0.645 χ^2/NDF: 4590151.4/53

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 37.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

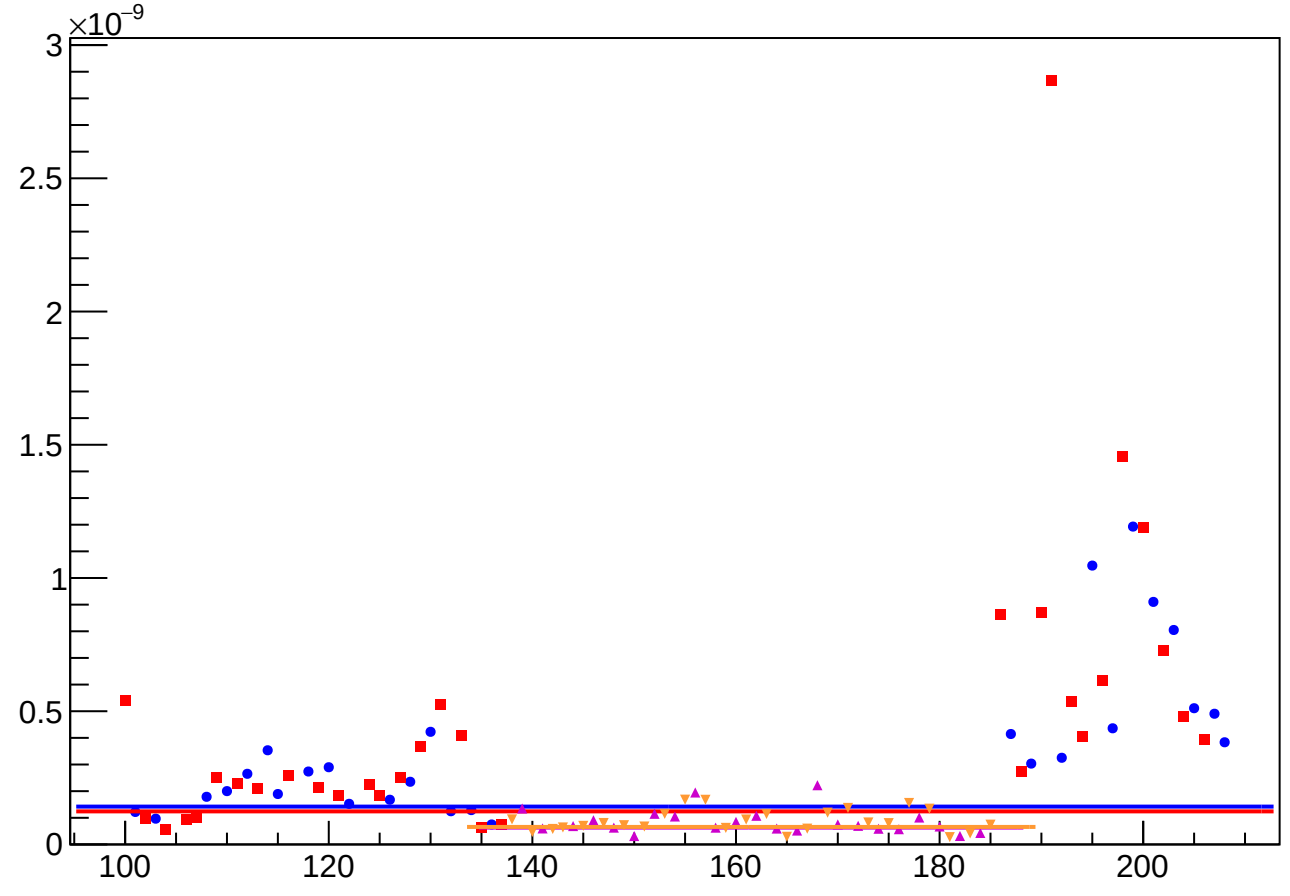
Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/30

Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.8/51

All: 0.000+/-0.000 χ^2/NDF: 127.0/105

- sign 0.000+/-0.000 χ^2/NDF: 55.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 5311974.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6546628.8/30

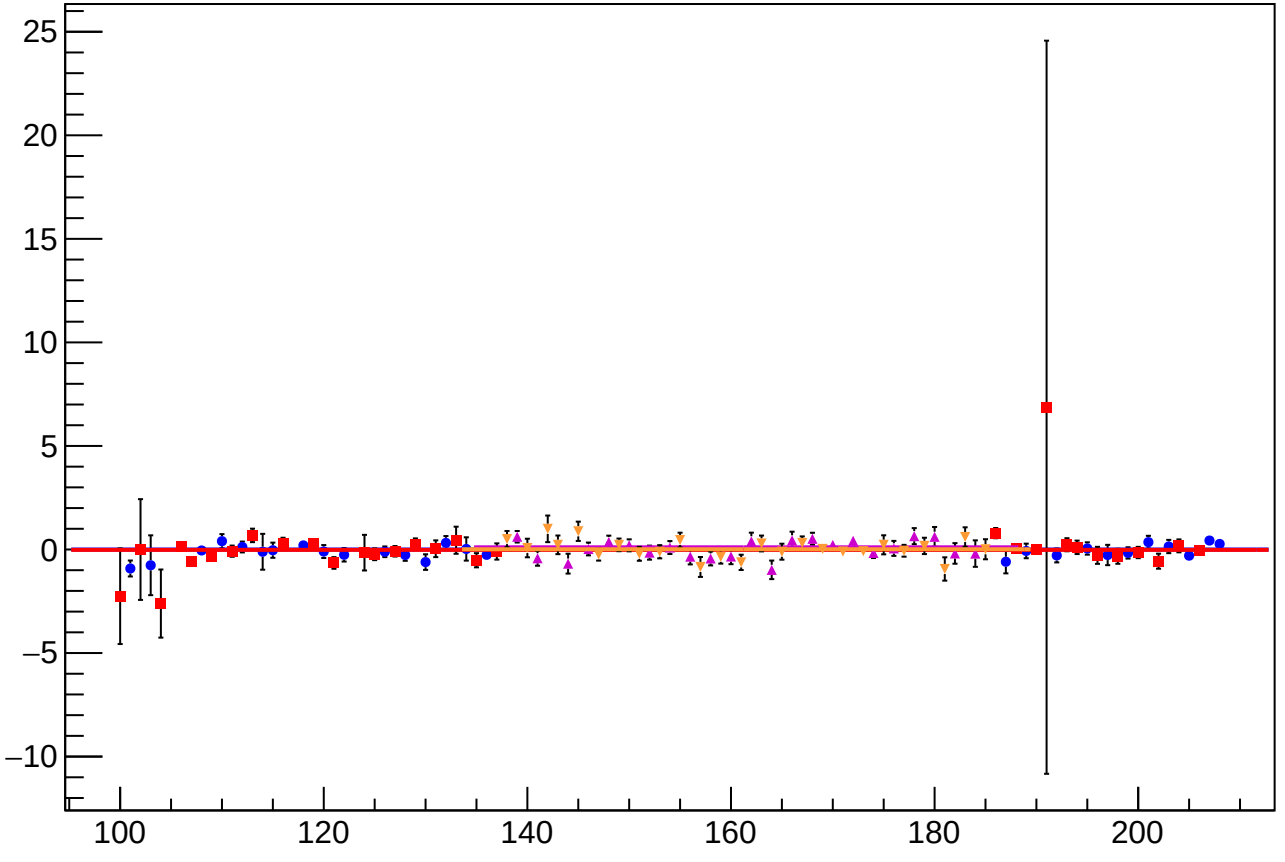
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9713534.0/51

All: 0.000+/-0.000 χ^2/NDF: 19787858.8/105

- sign 0.000+/-0.000 χ^2/NDF: 10049829.0/53

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.056 χ^2/NDF: 29.5/26

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.018+/-0.050 χ^2/NDF: 45.0/30

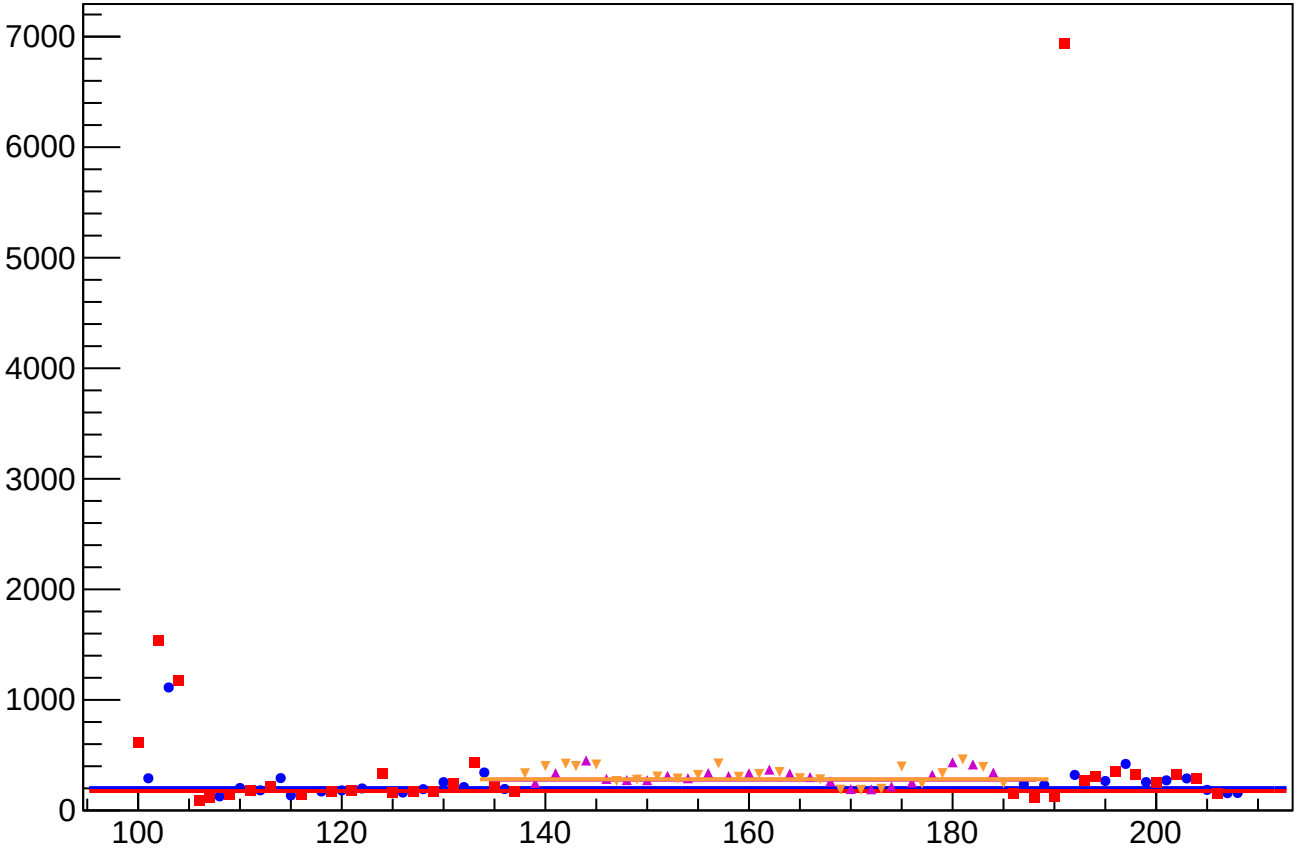
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign 0.003+/-0.043 χ^2/NDF: 54.7/51

All: 0.015+/-0.029 χ^2/NDF: 133.5/105

- sign 0.025+/-0.041 χ^2/NDF: 78.6/53

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 202.020+/-0.039 χ^2/NDF: 2888400.4/26

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 175.856+/-0.036 χ^2/NDF: 5470688.8/30

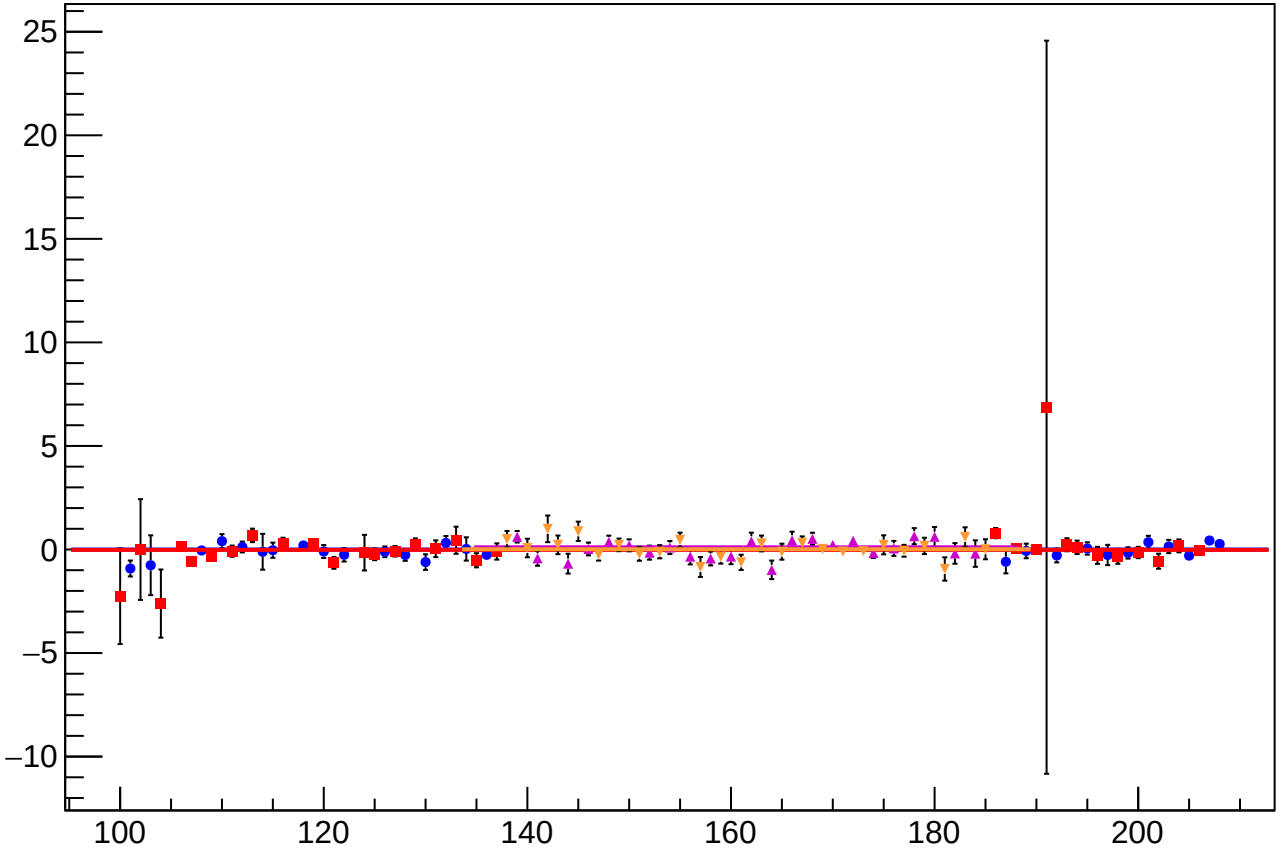
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 233.902+/-0.030 χ^2/NDF: 7060770.8/51

All: 222.100+/-0.021 χ^2/NDF: 17526173.0/10

- sign 211.629+/-0.029 χ^2/NDF: 10181218.8/53

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.056 χ^2/NDF: 29.5/26

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.018+/-0.050 χ^2/NDF: 45.0/30

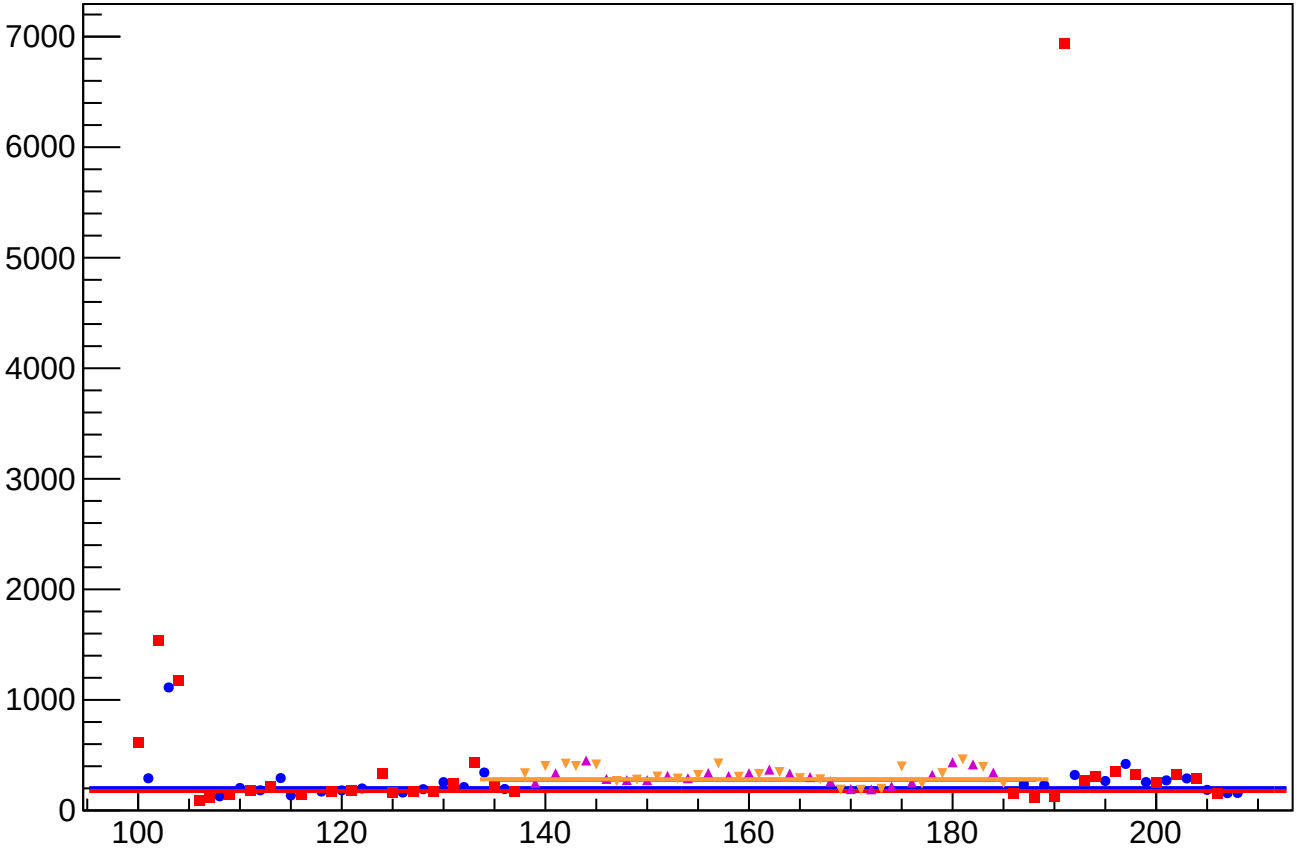
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign 0.003+/-0.043 χ^2/NDF: 54.7/51

All: 0.015+/-0.029 χ^2/NDF: 133.5/105

- sign 0.025+/-0.041 χ^2/NDF: 78.6/53

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 202.020+/-0.039 χ^2/NDF: 2888400.4/26

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

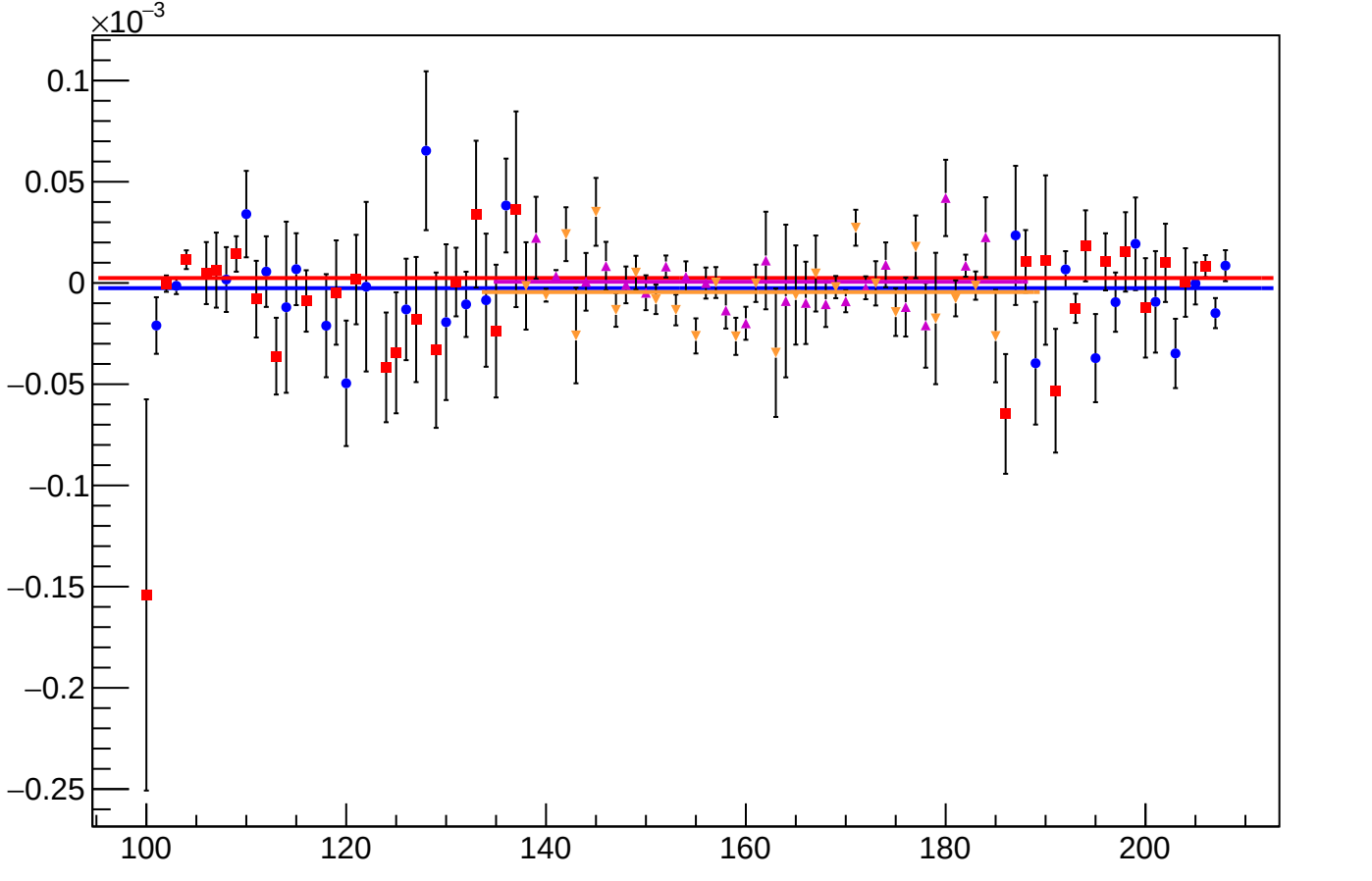
Right Out: 175.856+/-0.036 χ^2/NDF: 5470688.8/30

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 233.902+/-0.030 χ^2/NDF: 7060770.8/51

All: 222.100+/-0.021 χ^2/NDF: 17526173.0/10

- sign 211.629+/-0.029 χ^2/NDF: 10181218.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

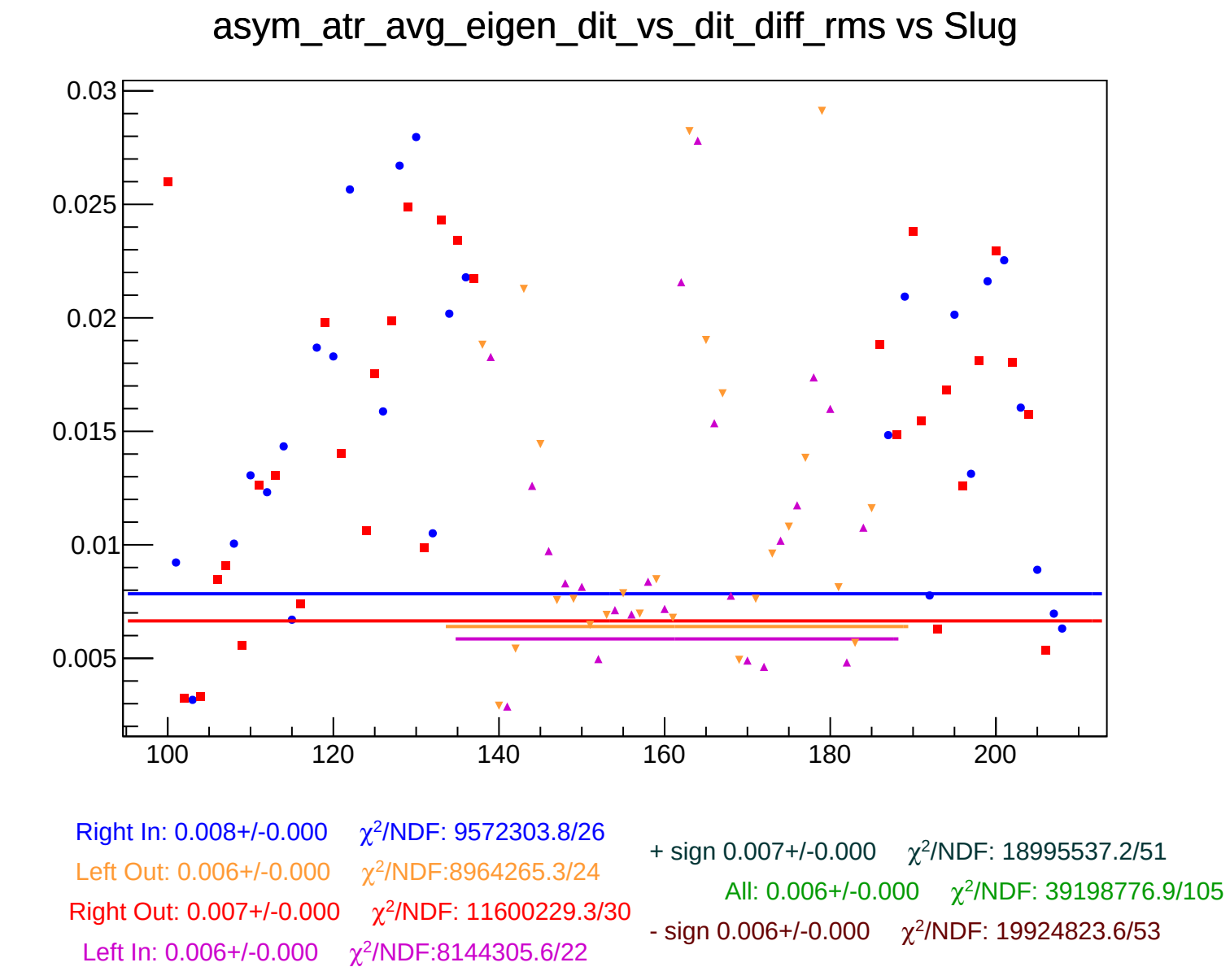
Right Out: 0.000+/-0.000 χ^2/NDF: 37.7/30

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

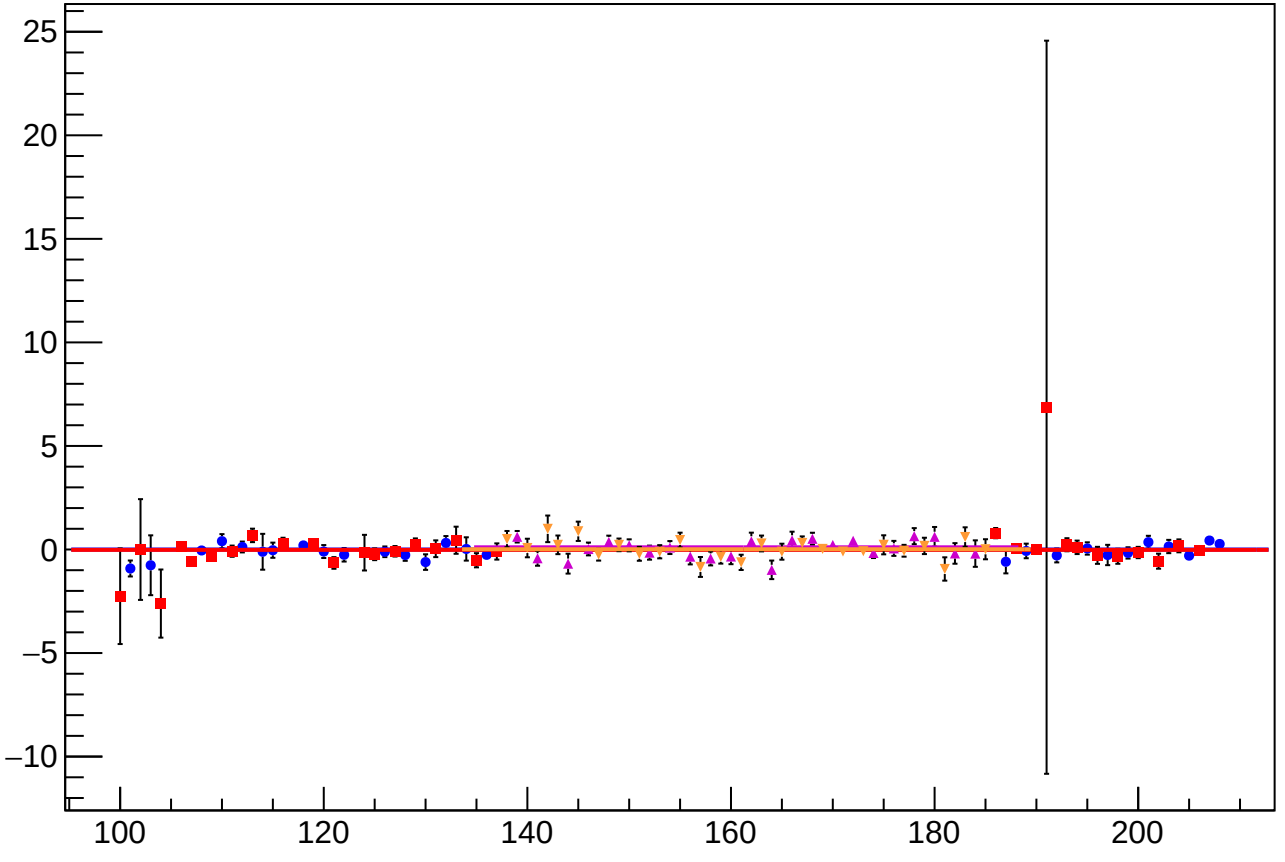
+ sign -0.000+/-0.000 χ^2/NDF: 77.0/51

All: -0.000+/-0.000 χ^2/NDF: 151.6/105

- sign 0.000+/-0.000 χ^2/NDF: 67.3/53


asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.008+/-0.000 χ²/NDF: 9572303.8/26
Left Out: 0.006+/-0.000 χ²/NDF:8964265.3/24
Right Out: 0.007+/-0.000 χ²/NDF: 11600229.3/30
Left In: 0.006+/-0.000 χ²/NDF:8144305.6/22
+ sign 0.007+/-0.000 χ²/NDF: 18995537.2/51
All: 0.006+/-0.000 χ²/NDF: 39198776.9/105
- sign 0.006+/-0.000 χ²/NDF: 19924823.6/53

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.056 χ^2/NDF: 29.5/26

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.018+/-0.050 χ^2/NDF: 45.0/30

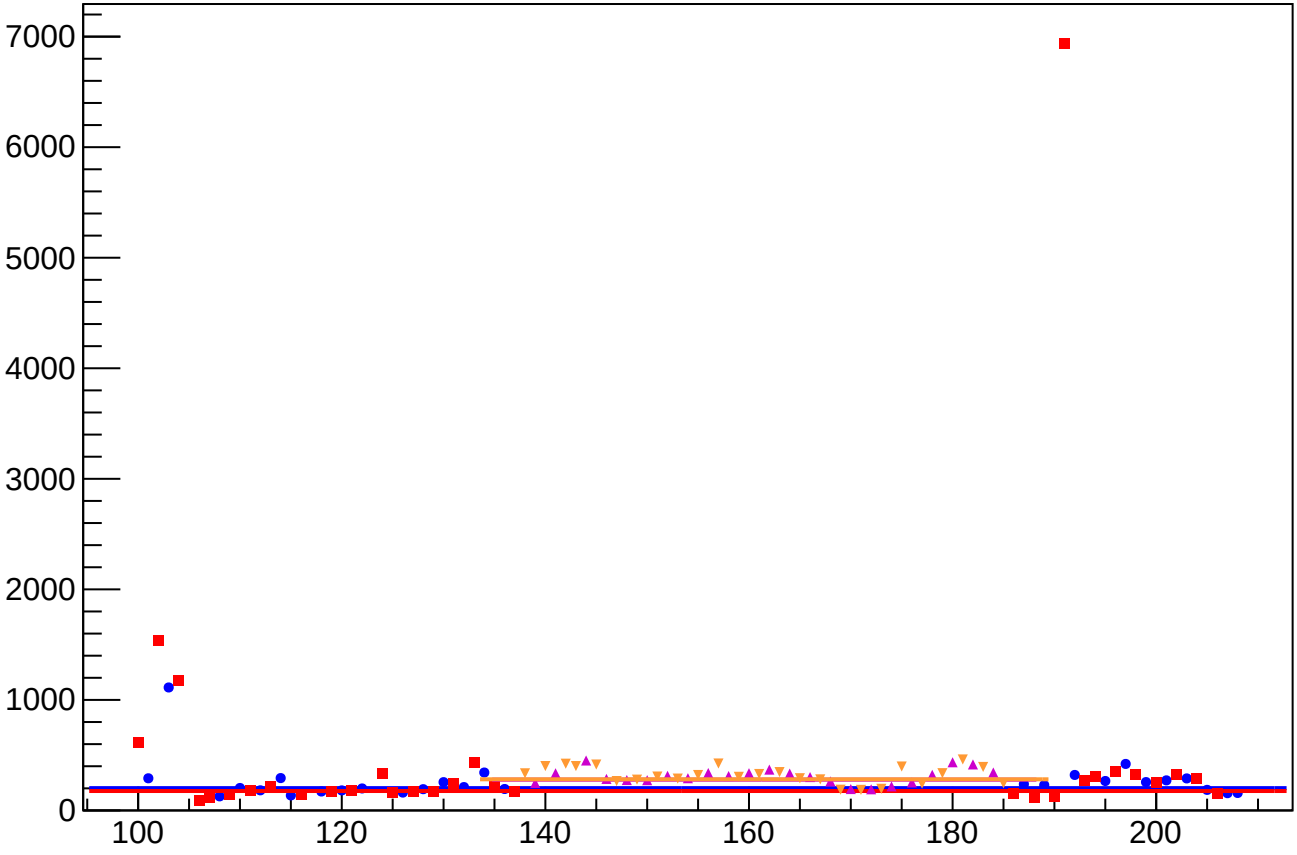
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign 0.003+/-0.043 χ^2/NDF: 54.7/51

All: 0.015+/-0.029 χ^2/NDF: 133.4/105

\- sign 0.025+/-0.041 χ^2/NDF: 78.6/53

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 202.019+/-0.039 χ^2/NDF: 2888416.1/26

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 175.853+/-0.036 χ^2/NDF: 5470844.2/30

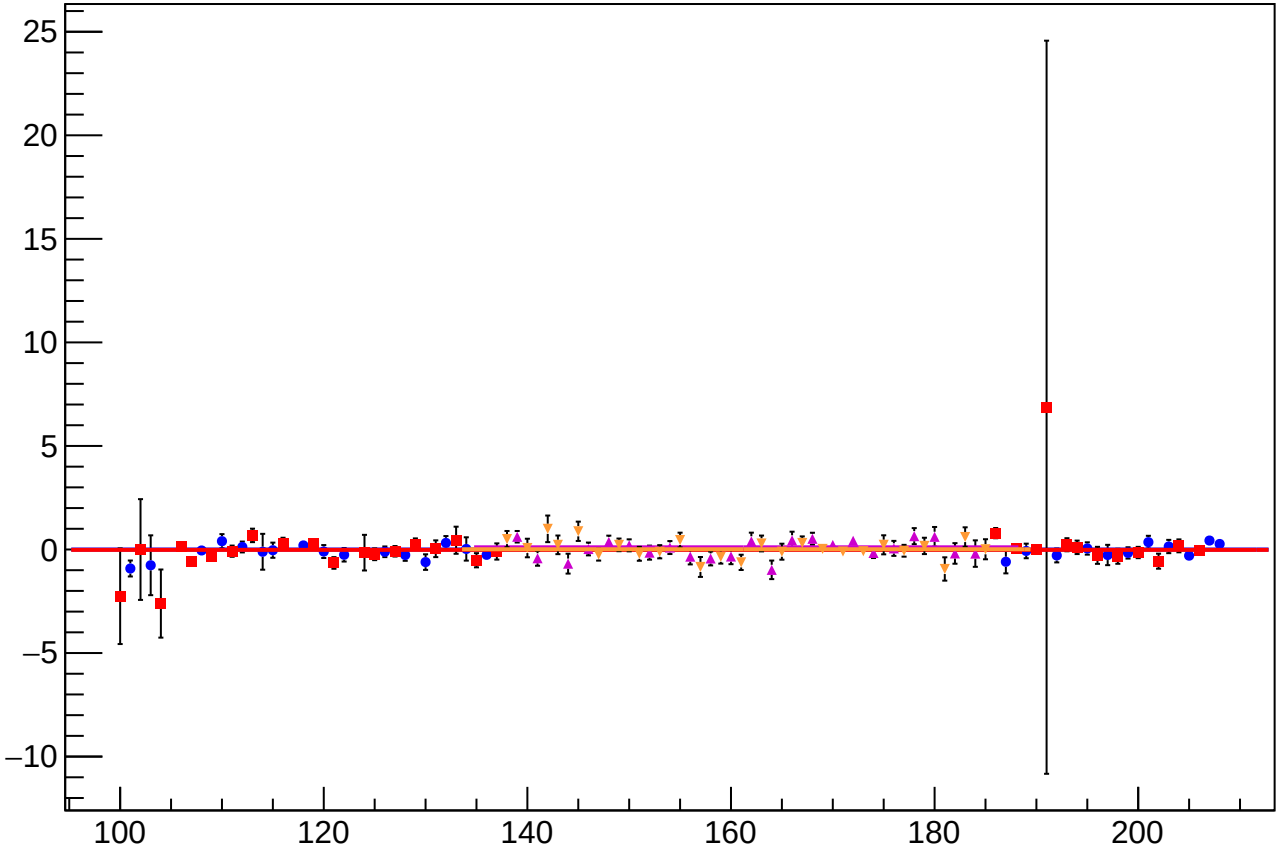
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 233.902+/-0.030 χ^2/NDF: 7060957.5/51

All: 222.099+/-0.021 χ^2/NDF: 17526912.1/10

- sign 211.627+/-0.029 χ^2/NDF: 10181710.1/53

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.056 χ^2/NDF: 29.5/26

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.018+/-0.050 χ^2/NDF: 45.0/30

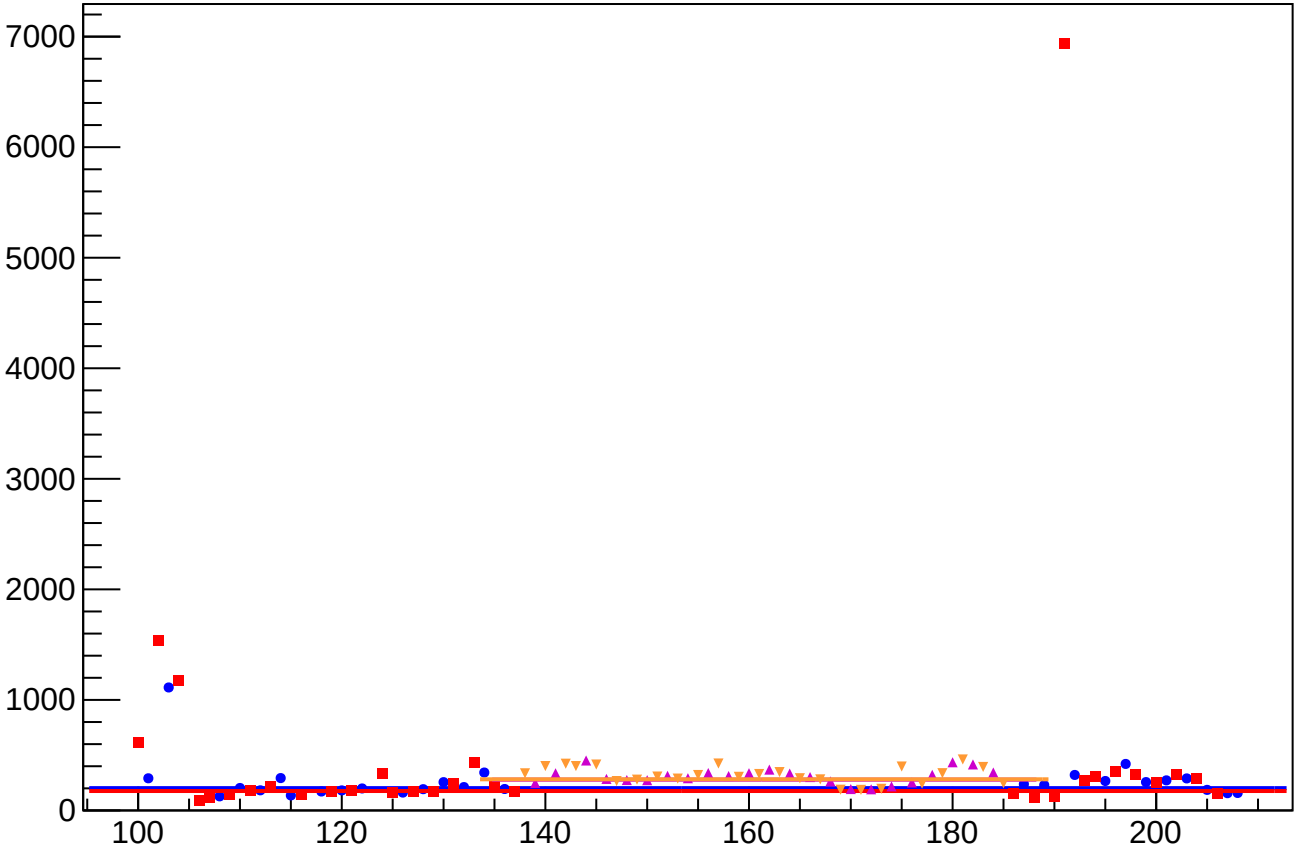
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign 0.003+/-0.043 χ^2/NDF: 54.7/51

All: 0.015+/-0.029 χ^2/NDF: 133.4/105

\- sign 0.025+/-0.041 χ^2/NDF: 78.6/53

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 202.019+/-0.039 χ^2/NDF: 2888416.1/26

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

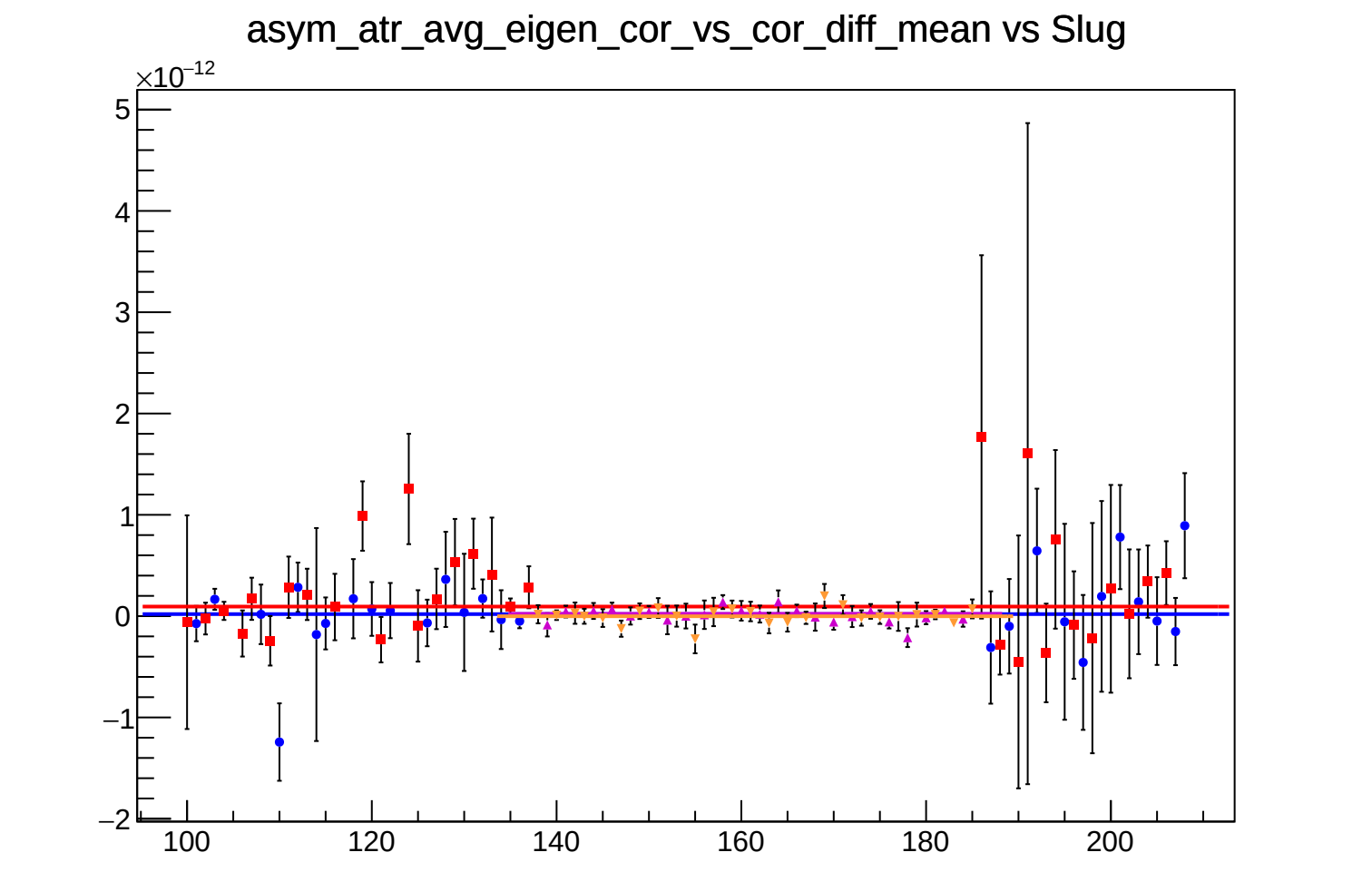
Right Out: 175.853+/-0.036 χ^2/NDF: 5470844.2/30

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 233.902+/-0.030 χ^2/NDF: 7060957.5/51

All: 222.099+/-0.021 χ^2/NDF: 17526912.1/10

- sign 211.627+/-0.029 χ^2/NDF: 10181710.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 24.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

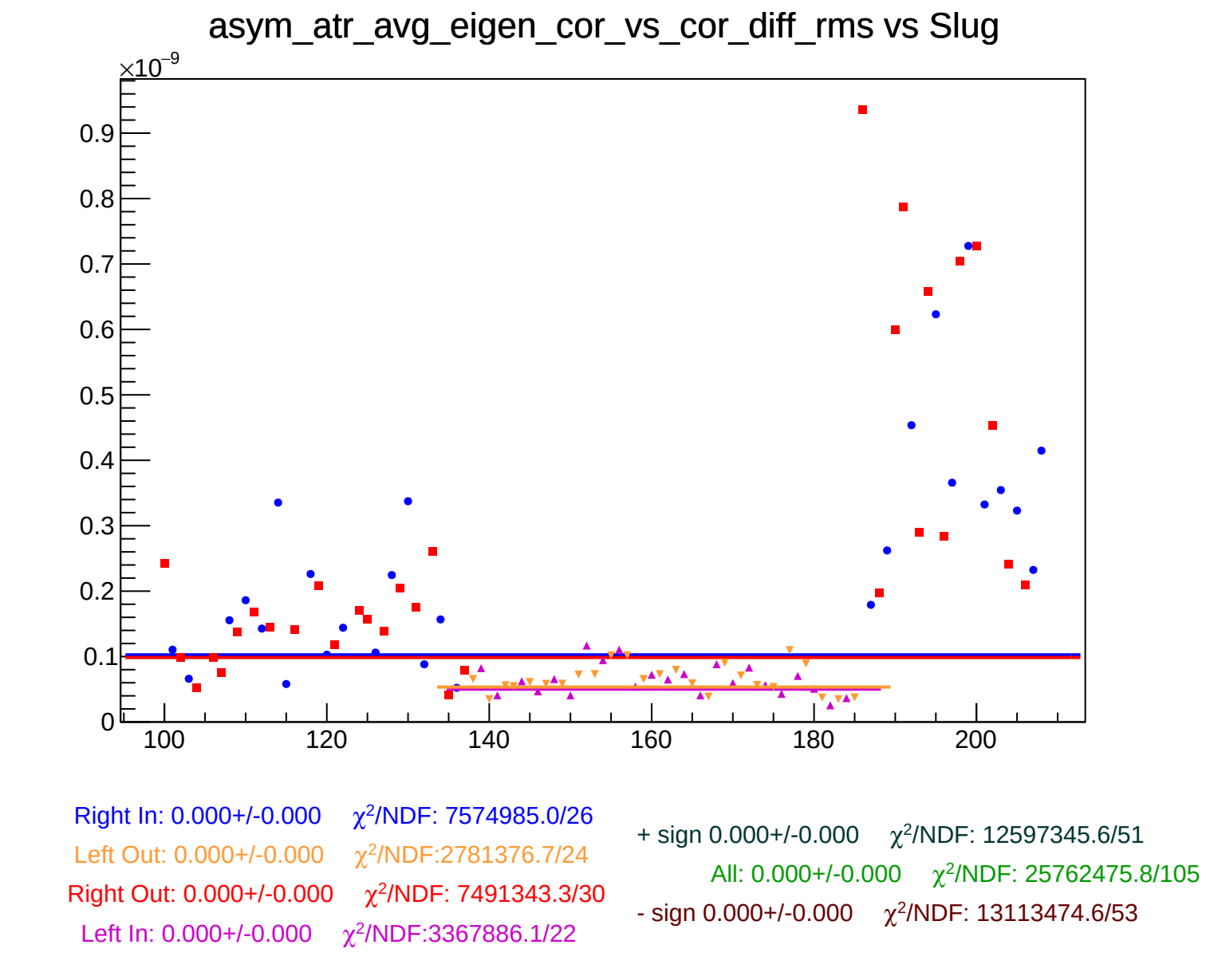
Right Out: 0.000+/-0.000 χ^2/NDF: 29.4/30

Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

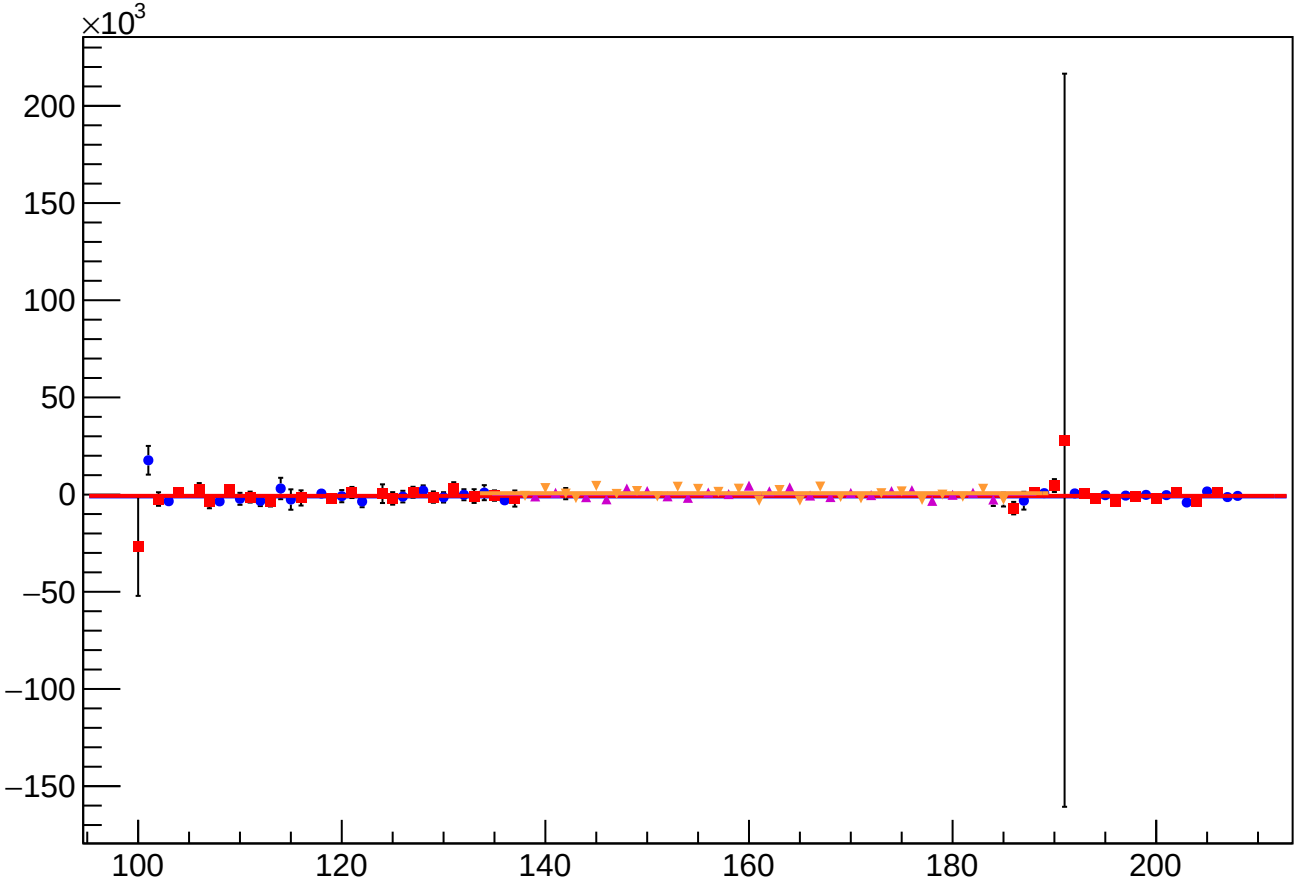
+ sign 0.000+/-0.000 χ^2/NDF: 40.0/51

All: 0.000+/-0.000 χ^2/NDF: 90.8/105

- sign 0.000+/-0.000 χ^2/NDF: 48.7/53


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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7574985.0/26
Left Out: 0.000+/-0.000 χ²/NDF:2781376.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 7491343.3/30
Left In: 0.000+/-0.000 χ²/NDF:3367886.1/22
+ sign 0.000+/-0.000 χ²/NDF: 12597345.6/51
All: 0.000+/-0.000 χ²/NDF: 25762475.8/105
- sign 0.000+/-0.000 χ²/NDF: 13113474.6/53

reg_asym_atr_dd_mean vs Slug



Right In: -942.098+/-486.884 χ^2/NDF: 19.5/26

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -648.361+/-481.363 χ^2/NDF: 23.3/30

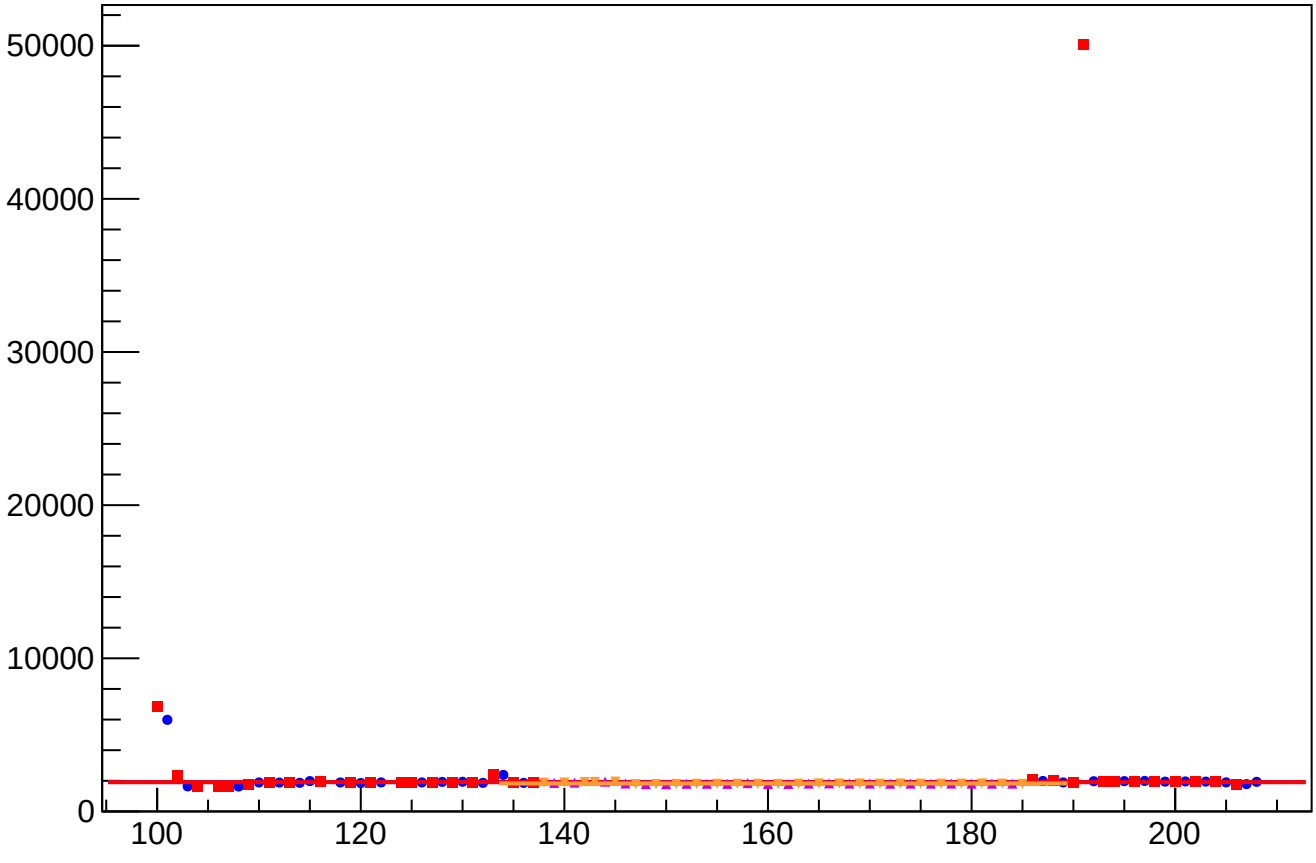
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 11.591+/-316.006 χ^2/NDF: 58.1/51

All: -23.335+/-224.537 χ^2/NDF: 104.8/105

- sign -58.950+/-319.104 χ^2/NDF: 46.7/53

reg_asym_atr_dd_rms vs Slug



Right In: 1915.977+/-0.344 χ^2/NDF: 716601.3/26

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

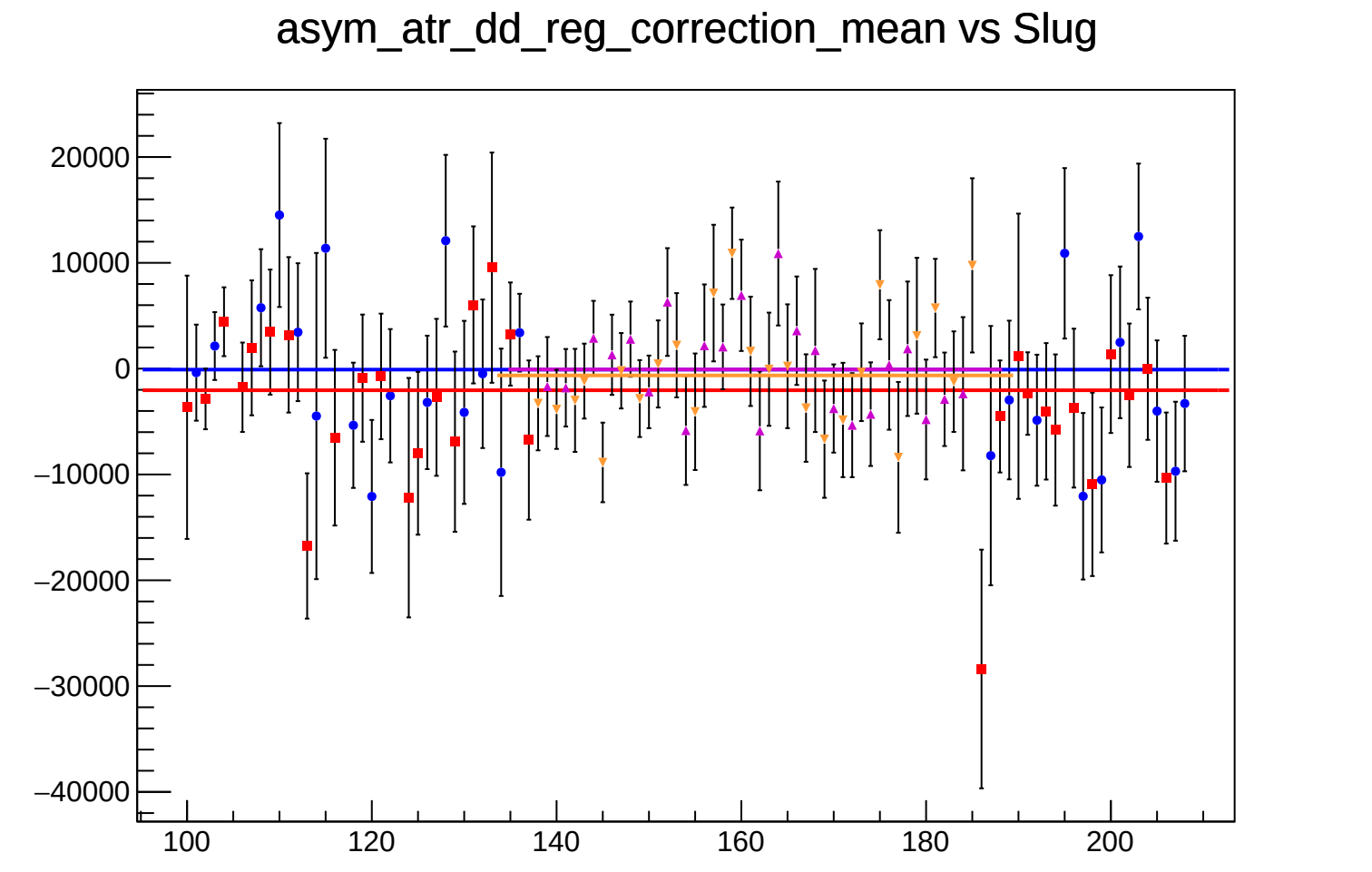
Right Out: 1914.345+/-0.340 χ^2/NDF: 385868.5/30

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1865.201+/-0.223 χ^2/NDF: 773514.7/51

All: 1864.817+/-0.159 χ^2/NDF: 1211297.8/10

- sign 1864.426+/-0.225 χ^2/NDF: 437777.2/53



Right In: -90.658+/-1220.816 χ^2/NDF: 27.9/26

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -2042.548+/-1076.646 χ^2/NDF: 25.7/30

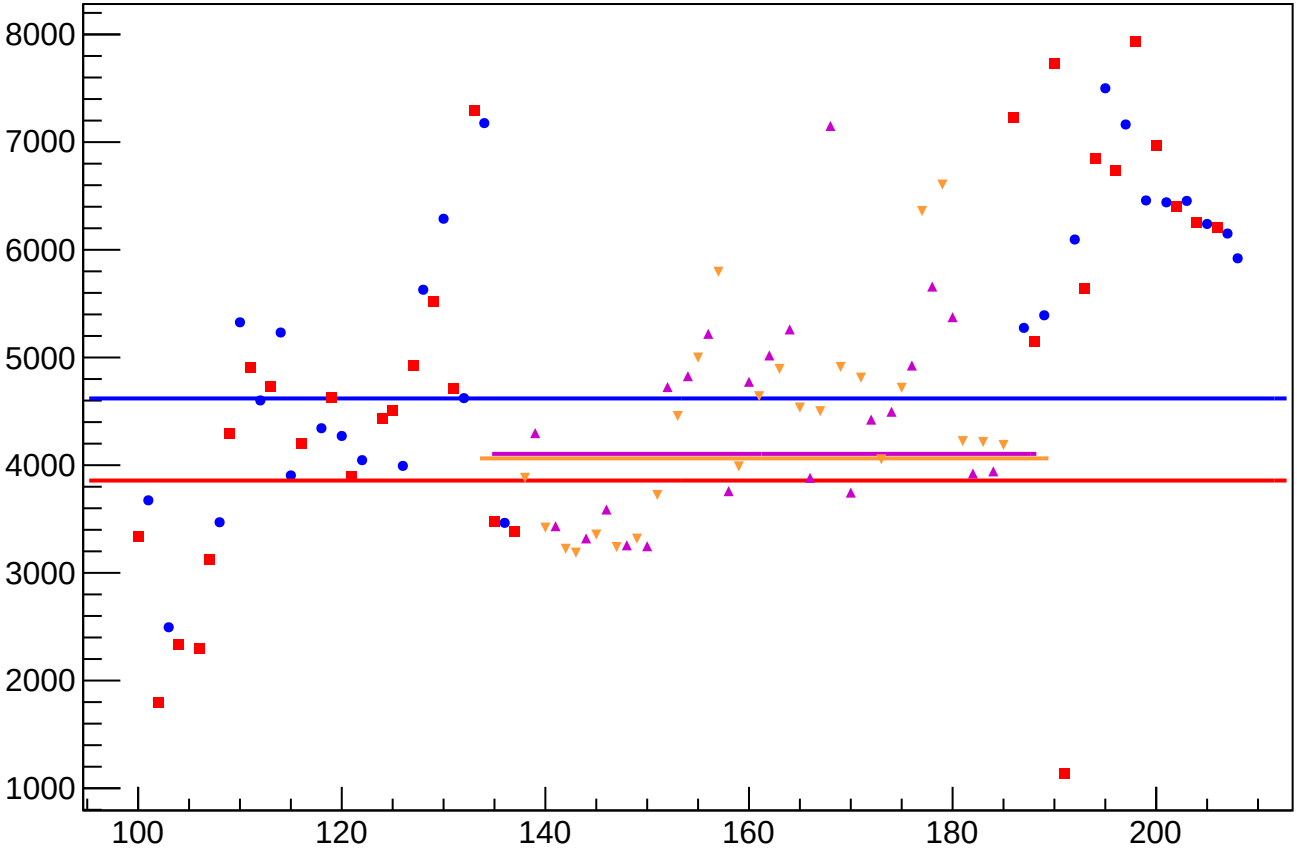
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

\+ sign -432.229+/-748.200 χ^2/NDF: 54.0/51

All: -708.190+/-520.597 χ^2/NDF: 97.3/105

\- sign -967.178+/-724.827 χ^2/NDF: 43.0/53

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4619.752+/-0.863 χ^2/NDF: 2850570.0/26

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3857.499+/-0.761 χ^2/NDF: 6123712.3/30

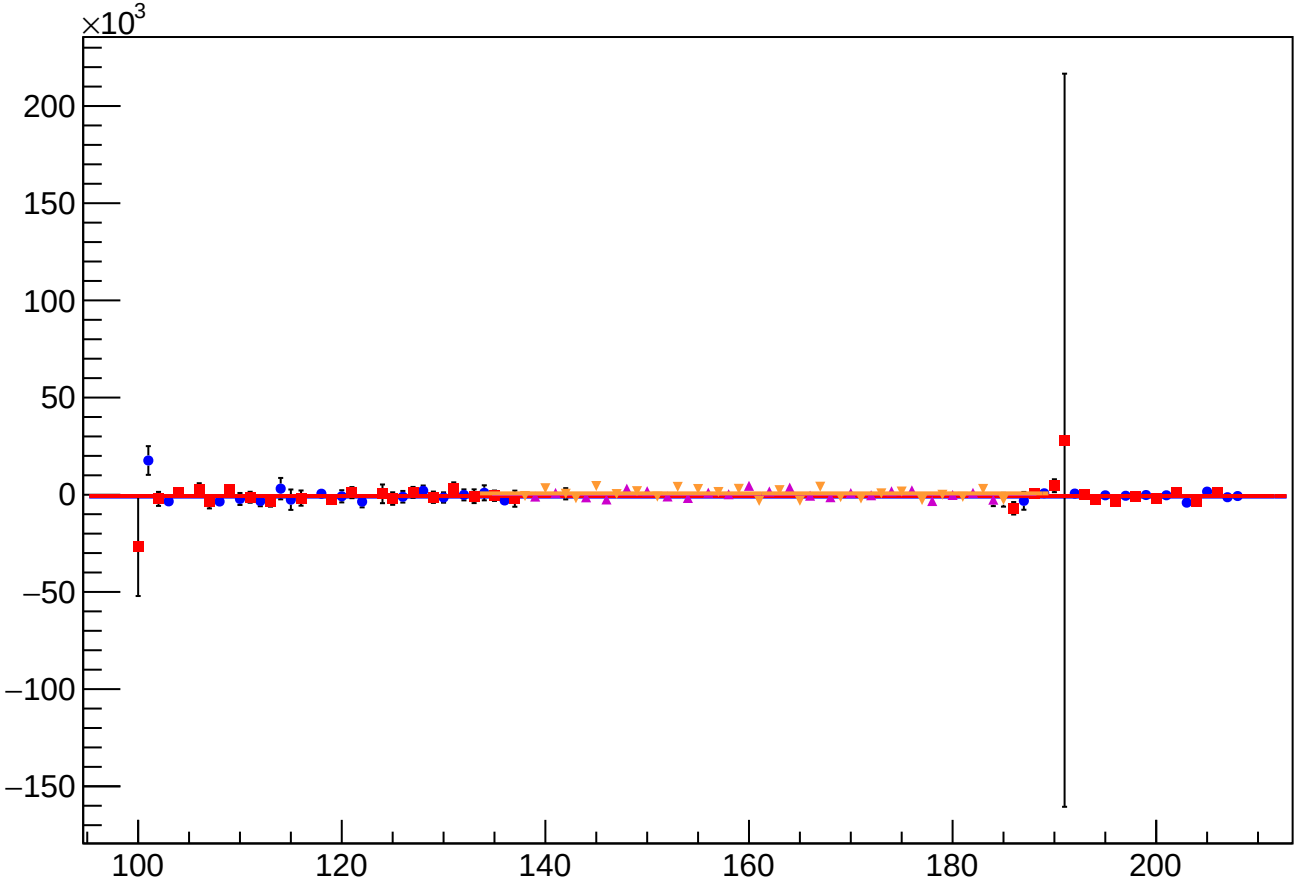
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4272.188+/-0.529 χ^2/NDF: 4515228.0/51

All: 4128.090+/-0.368 χ^2/NDF: 12200053.2/1

- sign 3992.855+/-0.513 χ^2/NDF: 7541020.6/53

cor_asym_atr_dd_mean vs Slug



Right In: -942.311+/-486.884 χ^2/NDF: 19.5/26

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -643.821+/-481.667 χ^2/NDF: 23.3/30

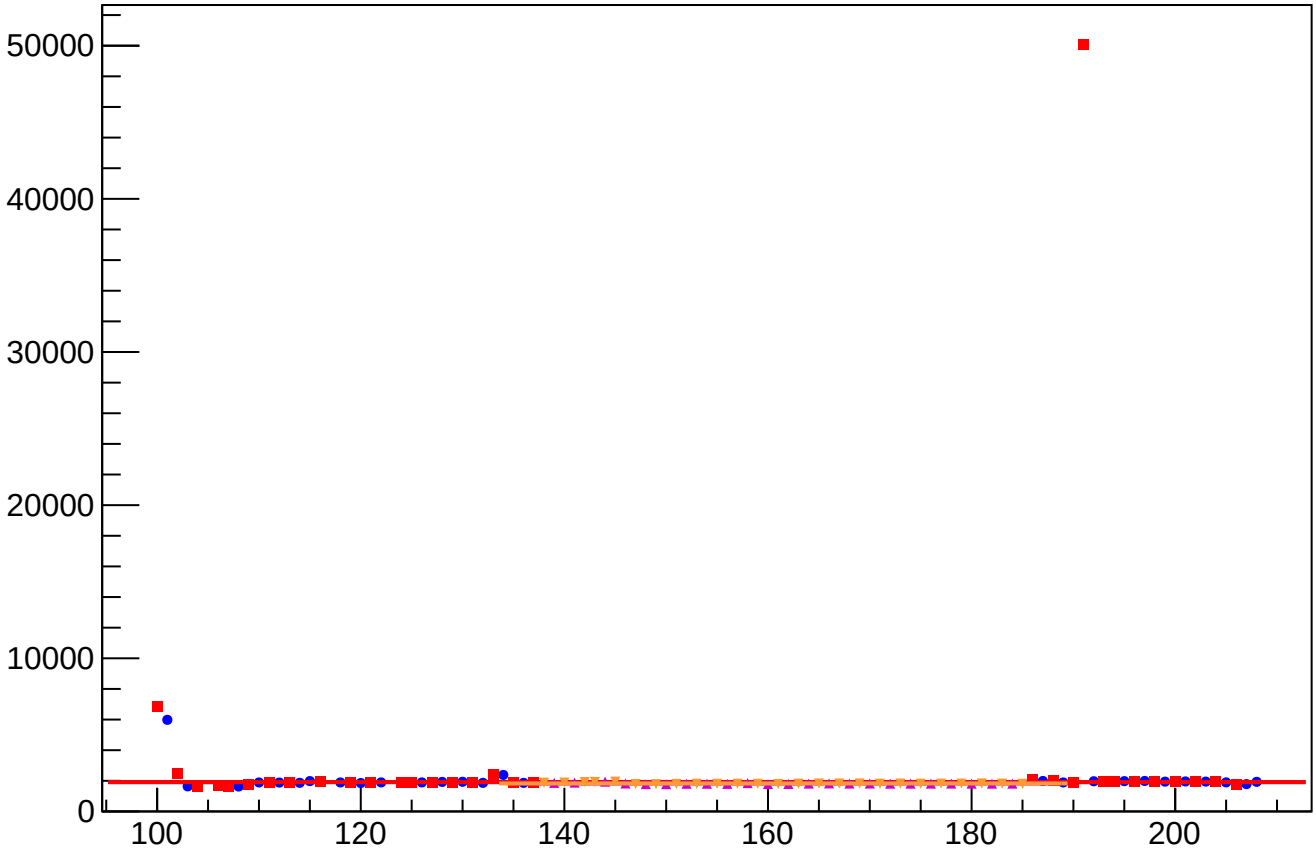
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 11.536+/-316.006 χ^2/NDF: 58.0/51

All: -22.250+/-224.568 χ^2/NDF: 104.7/105

- sign -56.721+/-319.192 χ^2/NDF: 46.7/53

cor_asym_atr_dd_rms vs Slug



Right In: 1915.977+/-0.344 χ^2/NDF: 716601.5/26

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

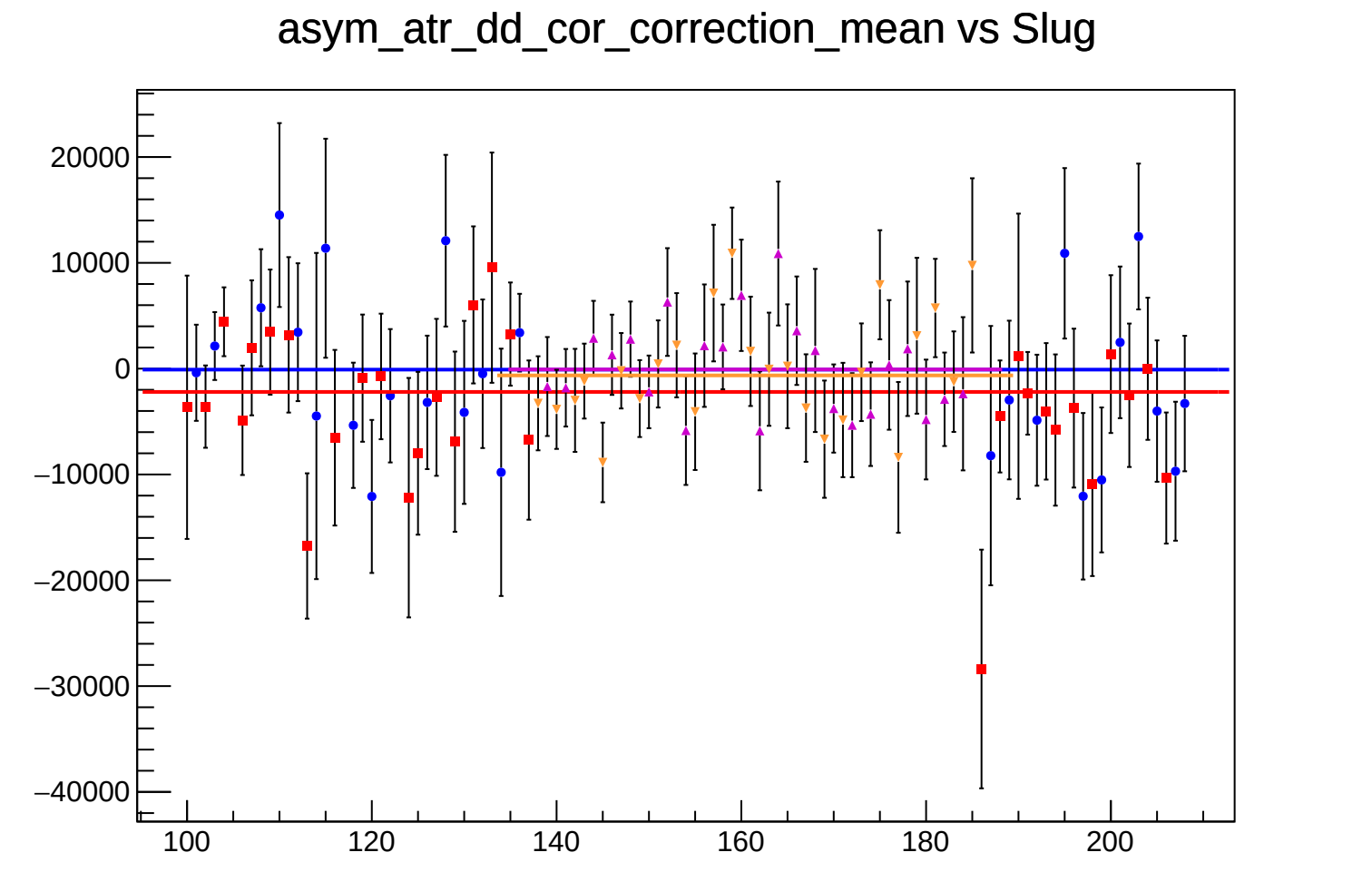
Right Out: 1917.637+/-0.340 χ^2/NDF: 392629.5/30

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1865.201+/-0.223 χ^2/NDF: 773514.7/51

All: 1865.501+/-0.159 χ^2/NDF: 1220885.2/10

- sign 1865.807+/-0.226 χ^2/NDF: 447366.8/53



Right In: -91.702+/-1220.913 χ^2/NDF: 27.9/26

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

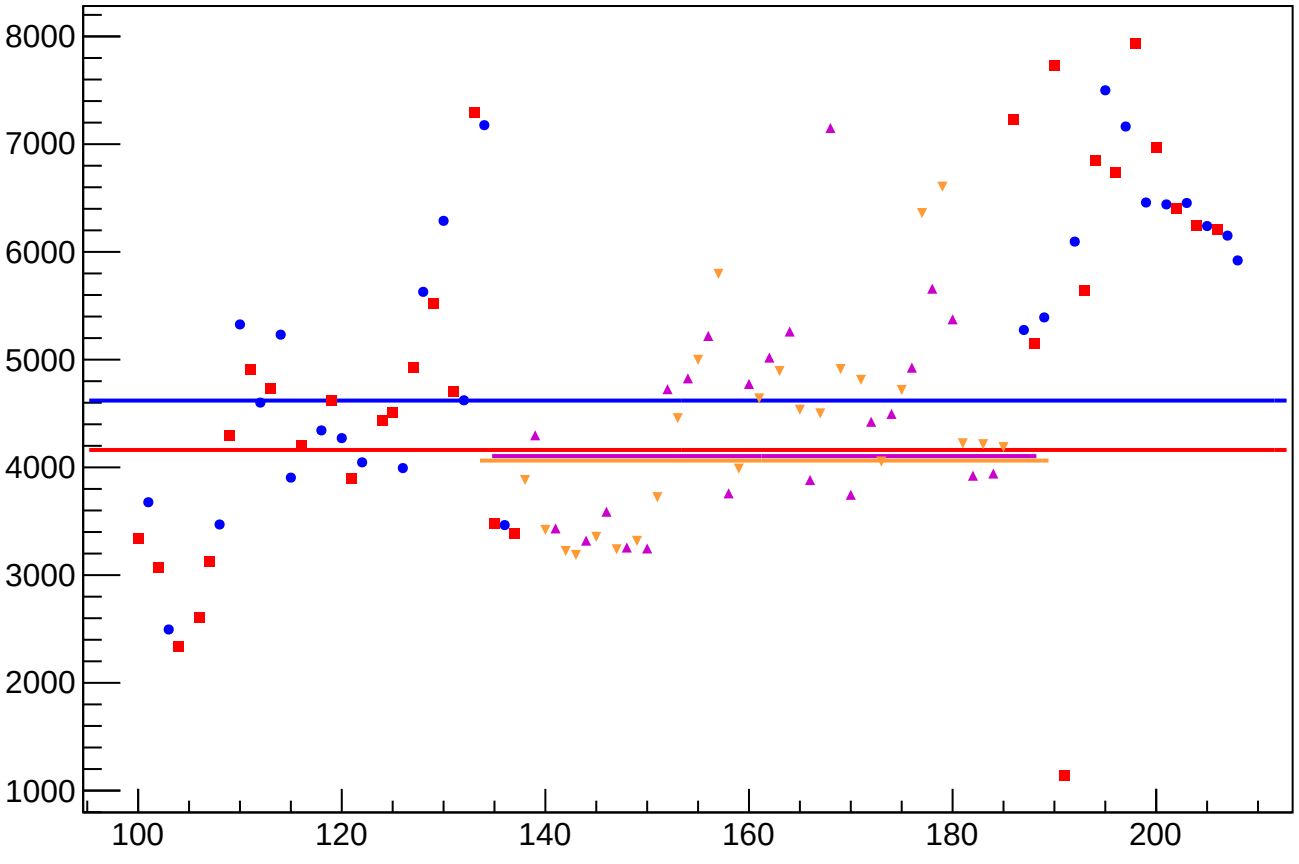
Right Out: -2198.983+/-1126.355 χ^2/NDF: 26.1/30

Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -432.652+/-748.222 χ^2/NDF: 54.0/51

All: -715.036+/-525.938 χ^2/NDF: 97.8/105

- sign -990.826+/-739.435 χ^2/NDF: 43.6/53



Right In: 4620.235+/-0.863 χ^2/NDF: 2849216.6/26

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4161.727+/-0.796 χ^2/NDF: 4866972.3/30

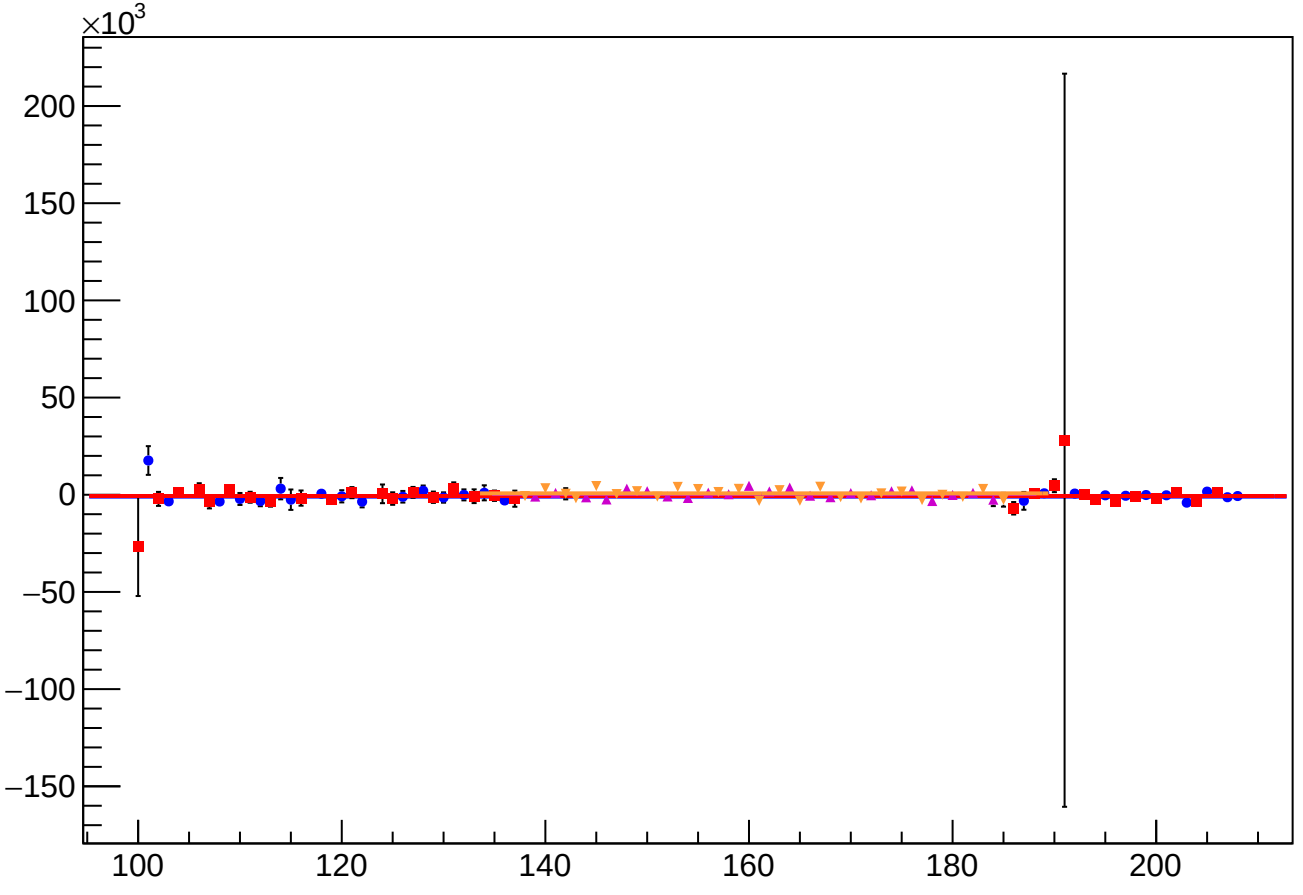
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4272.347+/-0.529 χ^2/NDF: 4514296.7/51

All: 4200.067+/-0.372 χ^2/NDF: 10780544.0/1

- sign 4129.476+/-0.523 χ^2/NDF: 6229355.7/53

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -942.311+/-486.884 χ^2/NDF: 19.5/26

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -643.821+/-481.667 χ^2/NDF: 23.3/30

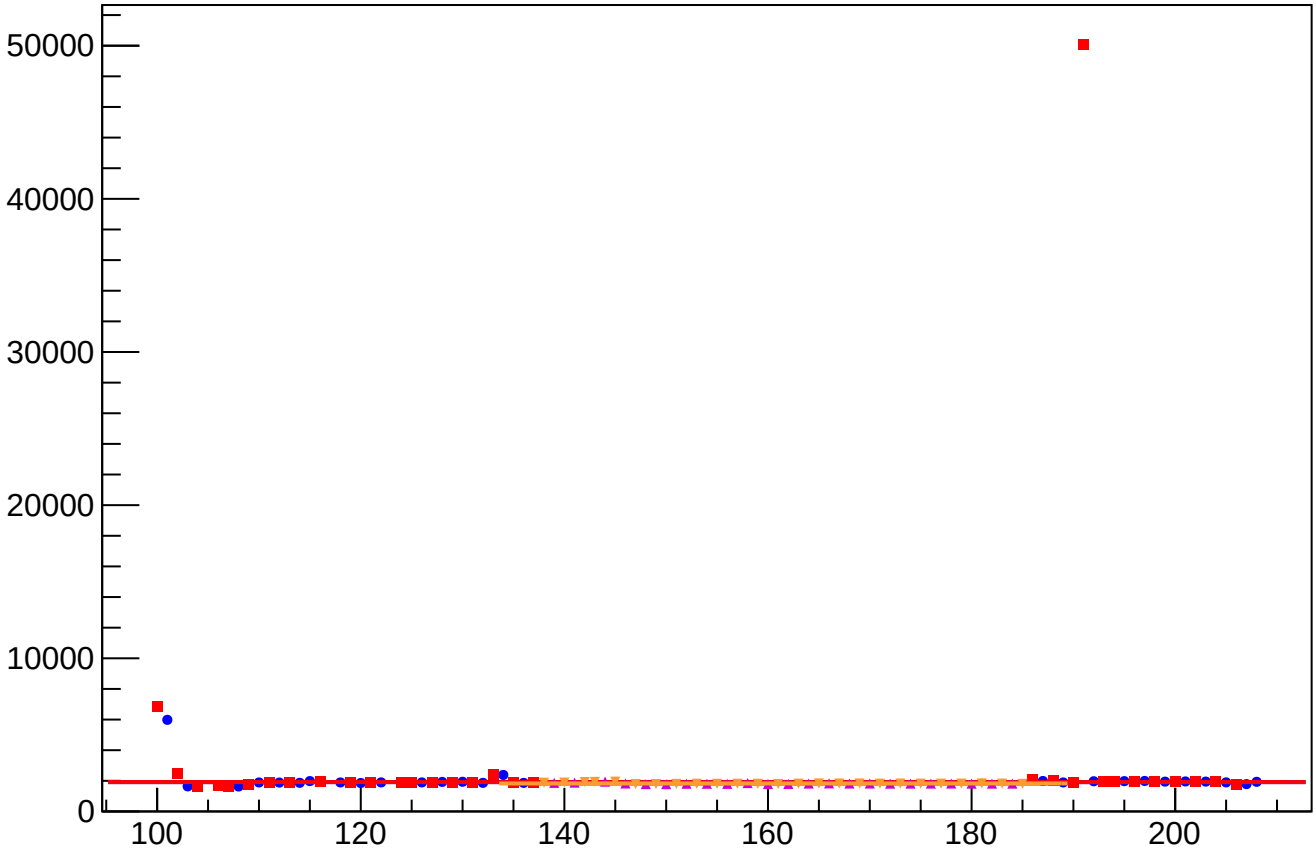
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 11.536+/-316.006 χ^2/NDF: 58.0/51

All: -22.250+/-224.568 χ^2/NDF: 104.7/105

- sign -56.721+/-319.192 χ^2/NDF: 46.7/53

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1915.977+/-0.344 χ^2/NDF: 716601.5/26

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

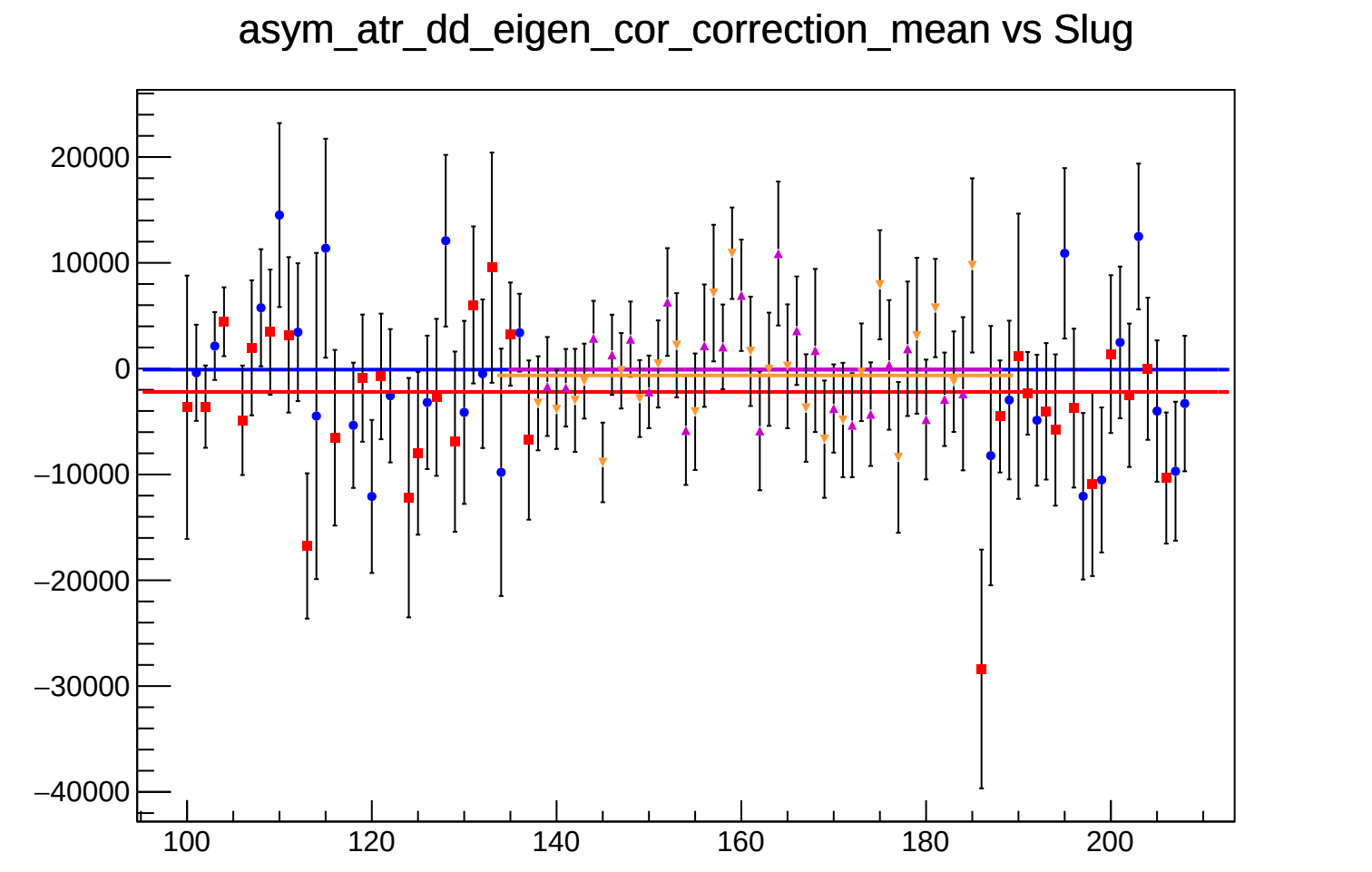
Right Out: 1917.637+/-0.340 χ^2/NDF: 392629.5/30

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1865.201+/-0.223 χ^2/NDF: 773514.7/51

All: 1865.501+/-0.159 χ^2/NDF: 1220885.2/10

- sign 1865.807+/-0.226 χ^2/NDF: 447366.8/53



Right In: -91.702+/-1220.913 χ^2/NDF: 27.9/26

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -2198.983+/-1126.355 χ^2/NDF: 26.1/30

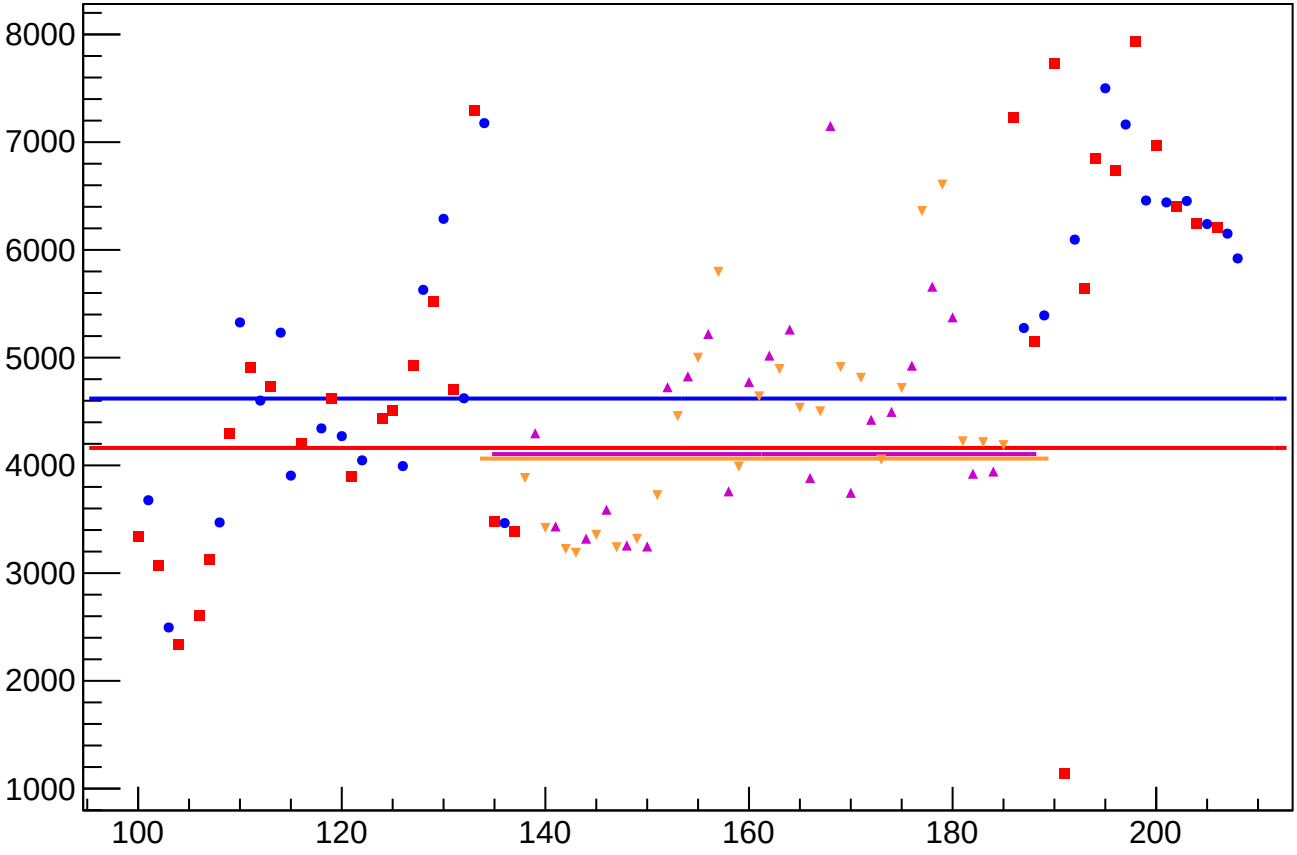
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -432.652+/-748.222 χ^2/NDF: 54.0/51

All: -715.036+/-525.938 χ^2/NDF: 97.8/105

- sign -990.826+/-739.435 χ^2/NDF: 43.6/53

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4620.235+/-0.863 χ^2/NDF: 2849216.6/26

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4161.727+/-0.796 χ^2/NDF: 4866972.3/30

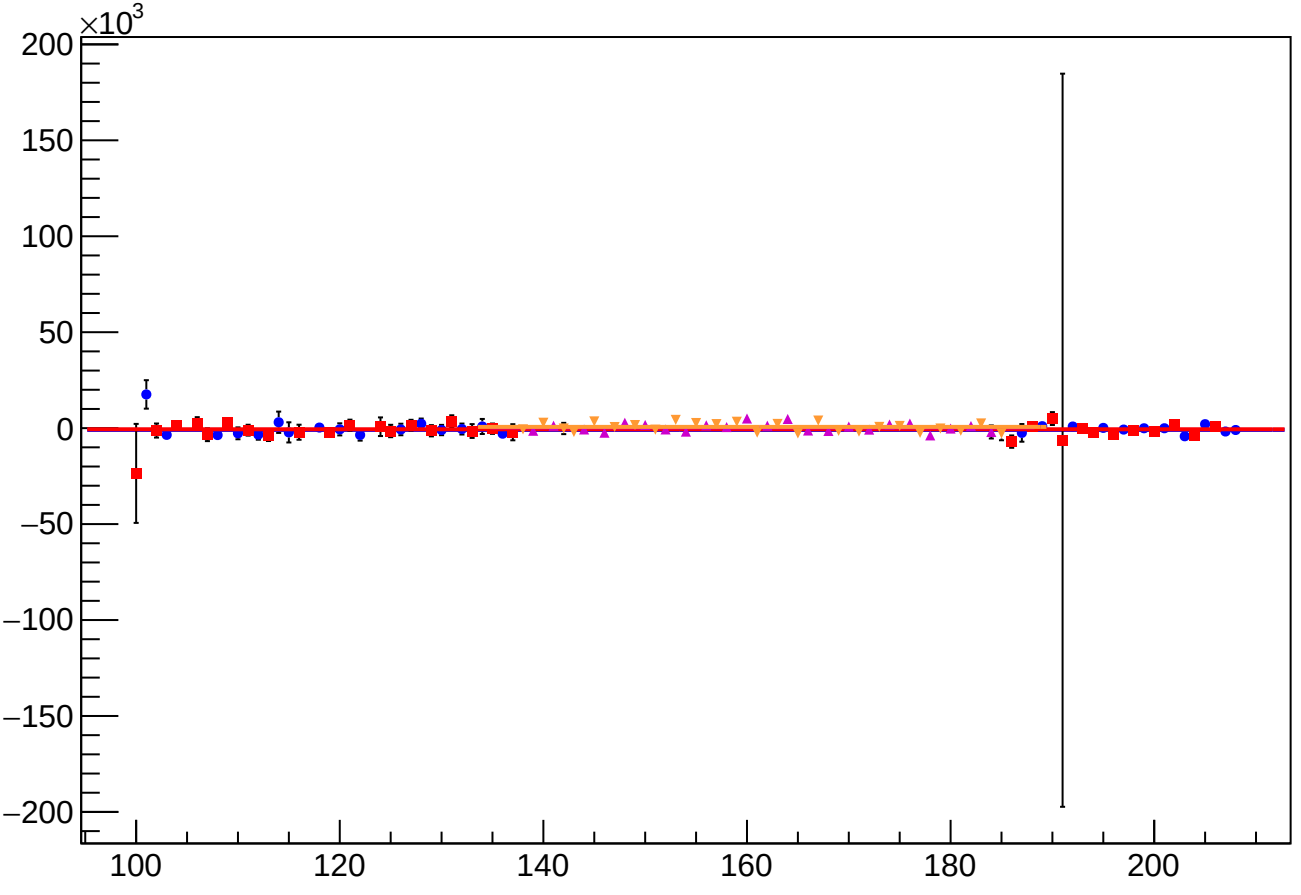
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4272.347+/-0.529 χ^2/NDF: 4514296.7/51

All: 4200.067+/-0.372 χ^2/NDF: 10780544.0/1

- sign 4129.476+/-0.523 χ^2/NDF: 6229355.7/53

dit_asym_atr_dd_mean vs Slug



Right In: -922.709+/-490.996 χ^2/NDF: 21.0/26

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -594.058+/-486.348 χ^2/NDF: 25.0/30

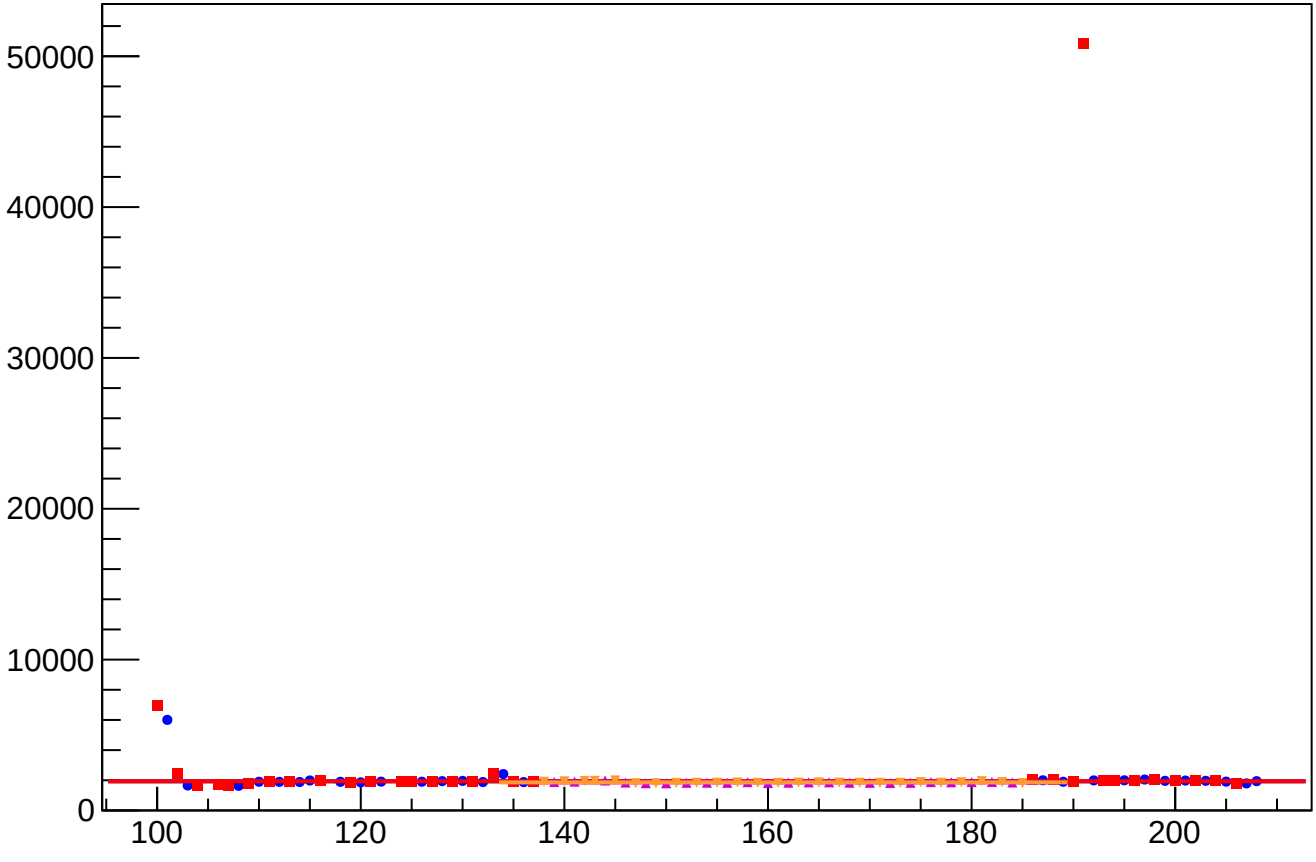
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign -15.741+/-320.500 χ^2/NDF: 53.9/51

All: -25.004+/-227.770 χ^2/NDF: 105.0/105

- sign -34.455+/-323.756 χ^2/NDF: 51.0/53

dit_asym_atr_dd_rms vs Slug



Right In: 1931.961+/-0.347 χ^2/NDF: 720495.4/26

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

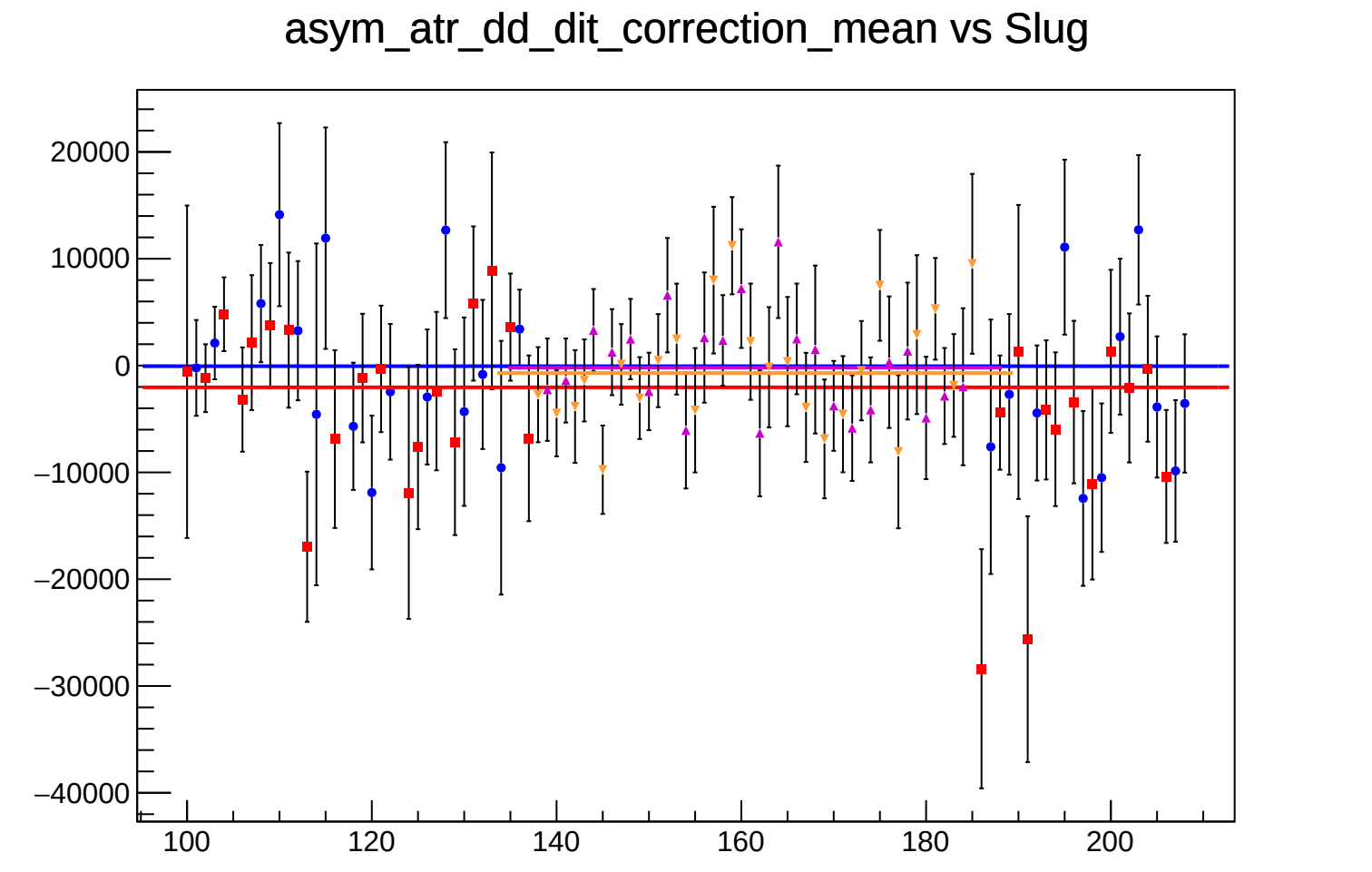
Right Out: 1935.632+/-0.344 χ^2/NDF: 402730.9/30

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1891.655+/-0.227 χ^2/NDF: 769994.0/51

All: 1891.941+/-0.161 χ^2/NDF: 1217750.1/10

- sign 1892.232+/-0.229 χ^2/NDF: 447752.9/53



Right In: -58.031+/-1235.749 χ^2/NDF: 27.8/26

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -2036.970+/-1158.190 χ^2/NDF: 29.8/30

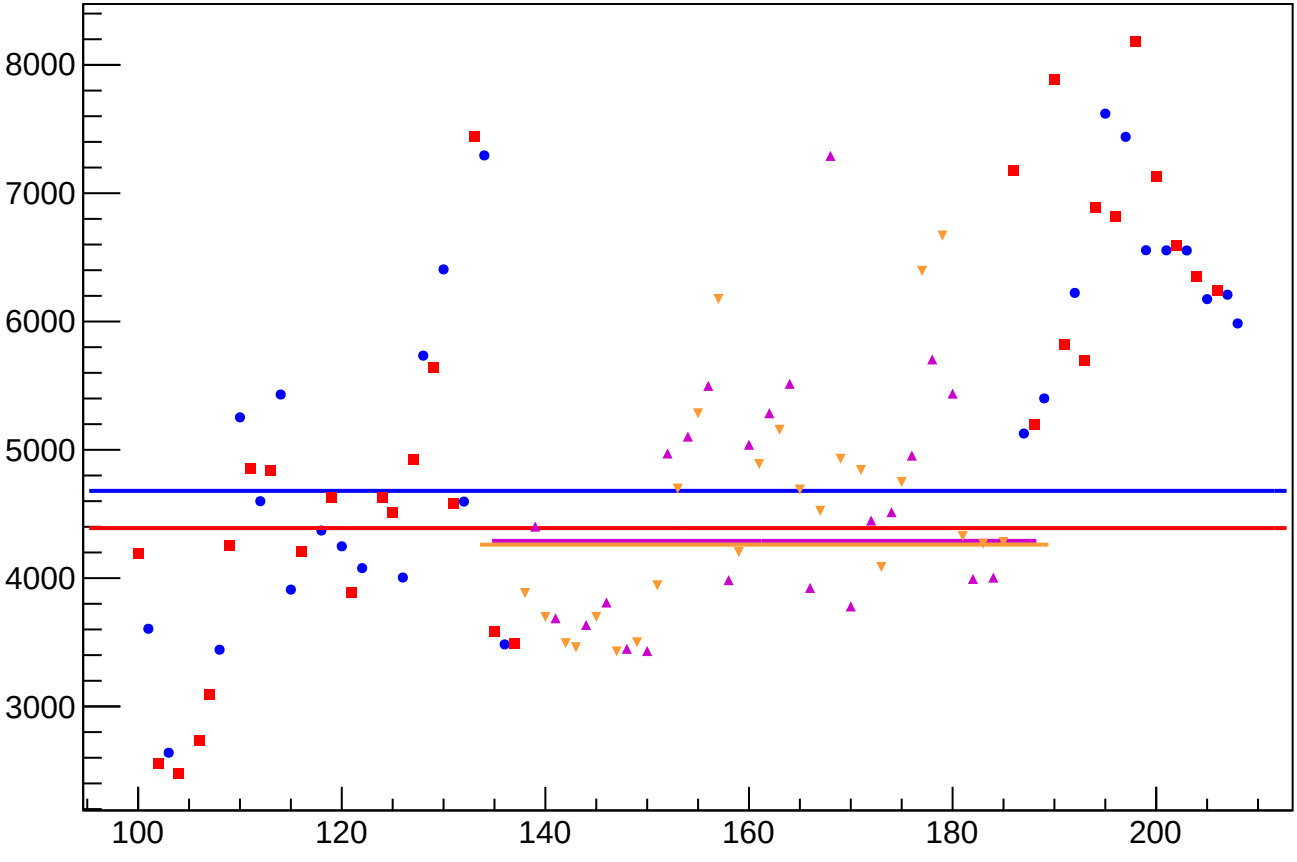
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -447.988+/-772.649 χ^2/NDF: 53.2/51

All: -726.384+/-544.162 χ^2/NDF: 99.9/105

- sign -1000.373+/-766.510 χ^2/NDF: 46.4/53

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4680.178+/-0.874 χ^2/NDF: 2770452.7/26

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4389.988+/-0.819 χ^2/NDF: 3928900.7/30

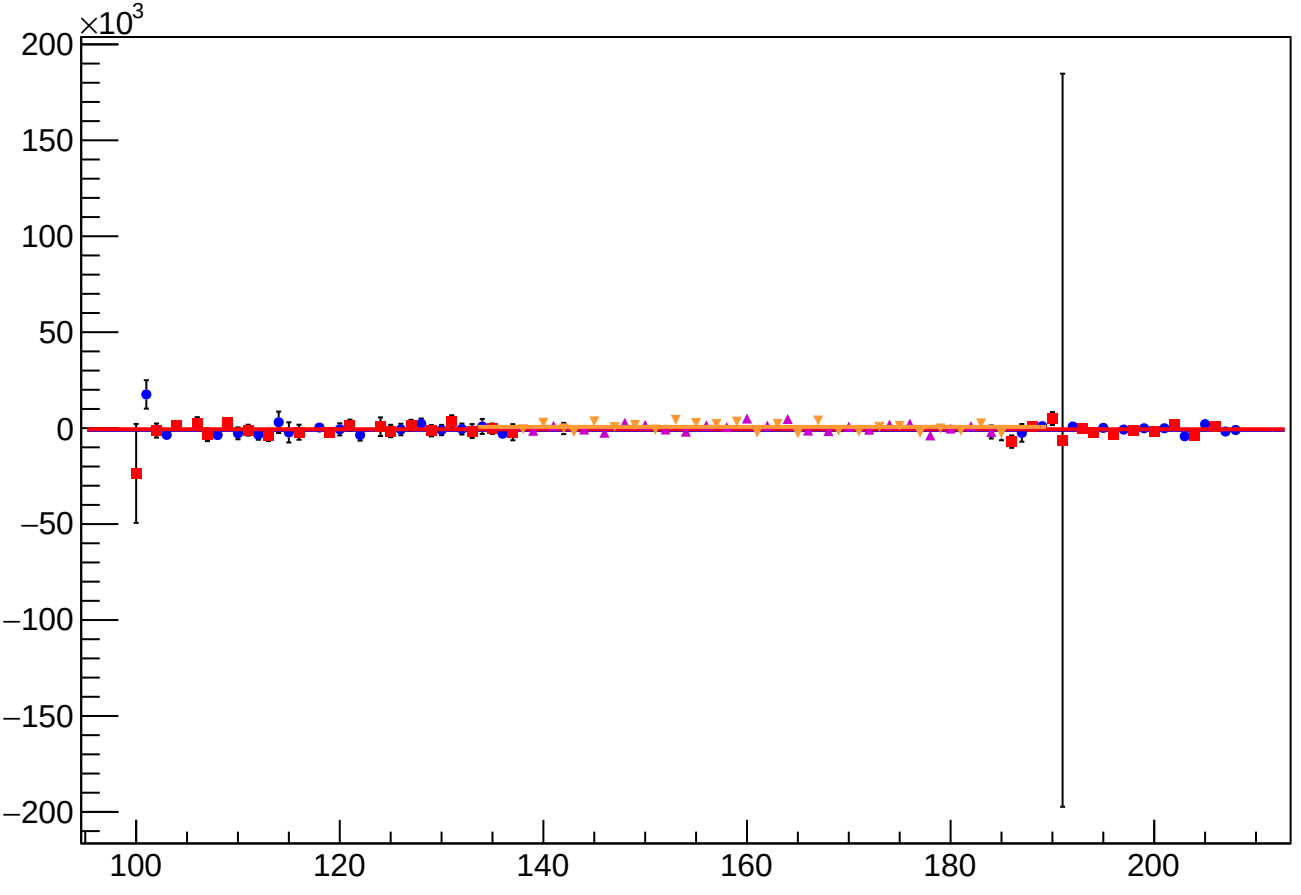
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

\+ sign 4424.947+/-0.546 χ^2/NDF: 4101093.0/51

All: 4379.120+/-0.385 χ^2/NDF: 9266229.0/10

\- sign 4334.018+/-0.542 χ^2/NDF: 5151176.0/53

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -922.709+/-490.996 χ^2/NDF: 21.0/26

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -594.056+/-486.348 χ^2/NDF: 25.0/30

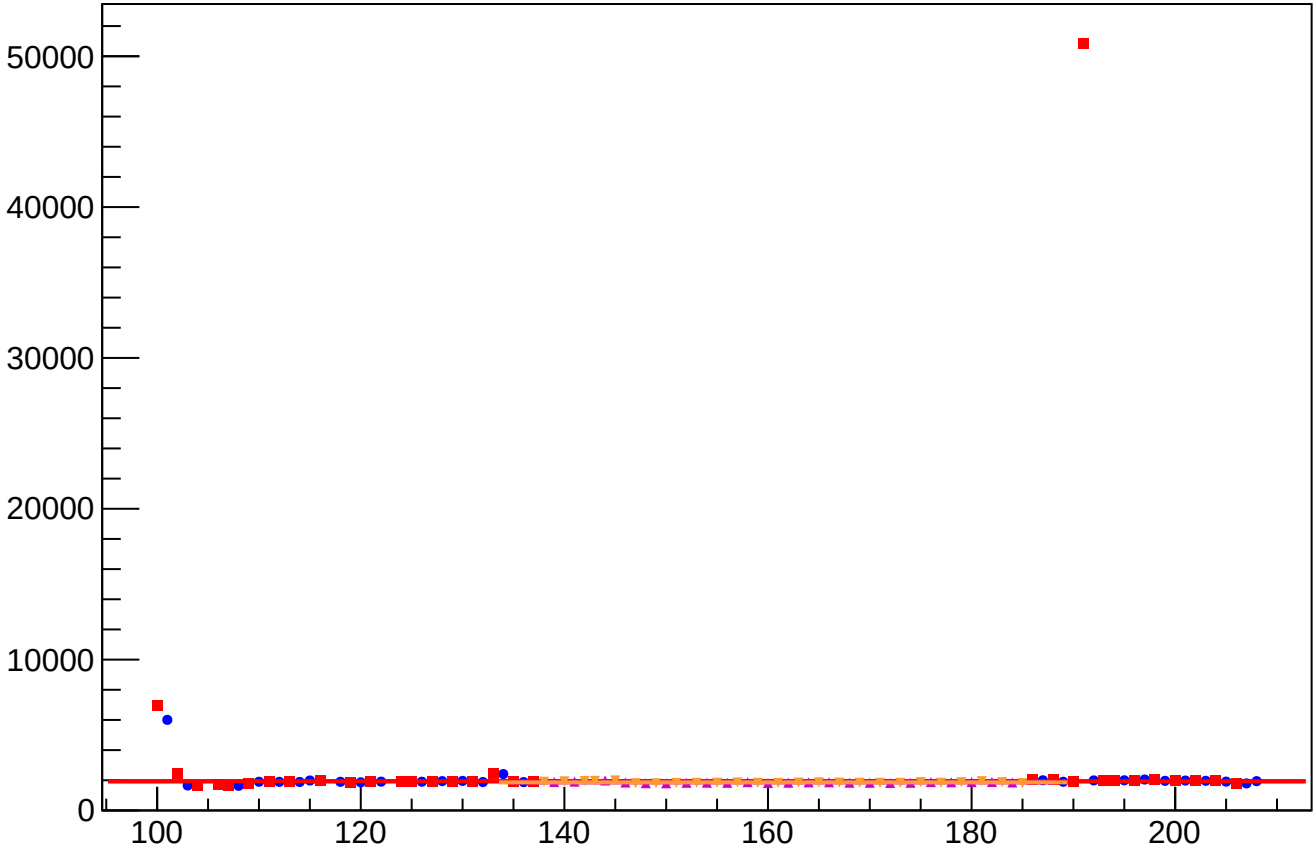
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign -15.738+/-320.500 χ^2/NDF: 53.9/51

All: -25.002+/-227.770 χ^2/NDF: 105.0/105

- sign -34.455+/-323.756 χ^2/NDF: 51.0/53

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1931.961+/-0.347 χ^2/NDF: 720495.2/26

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

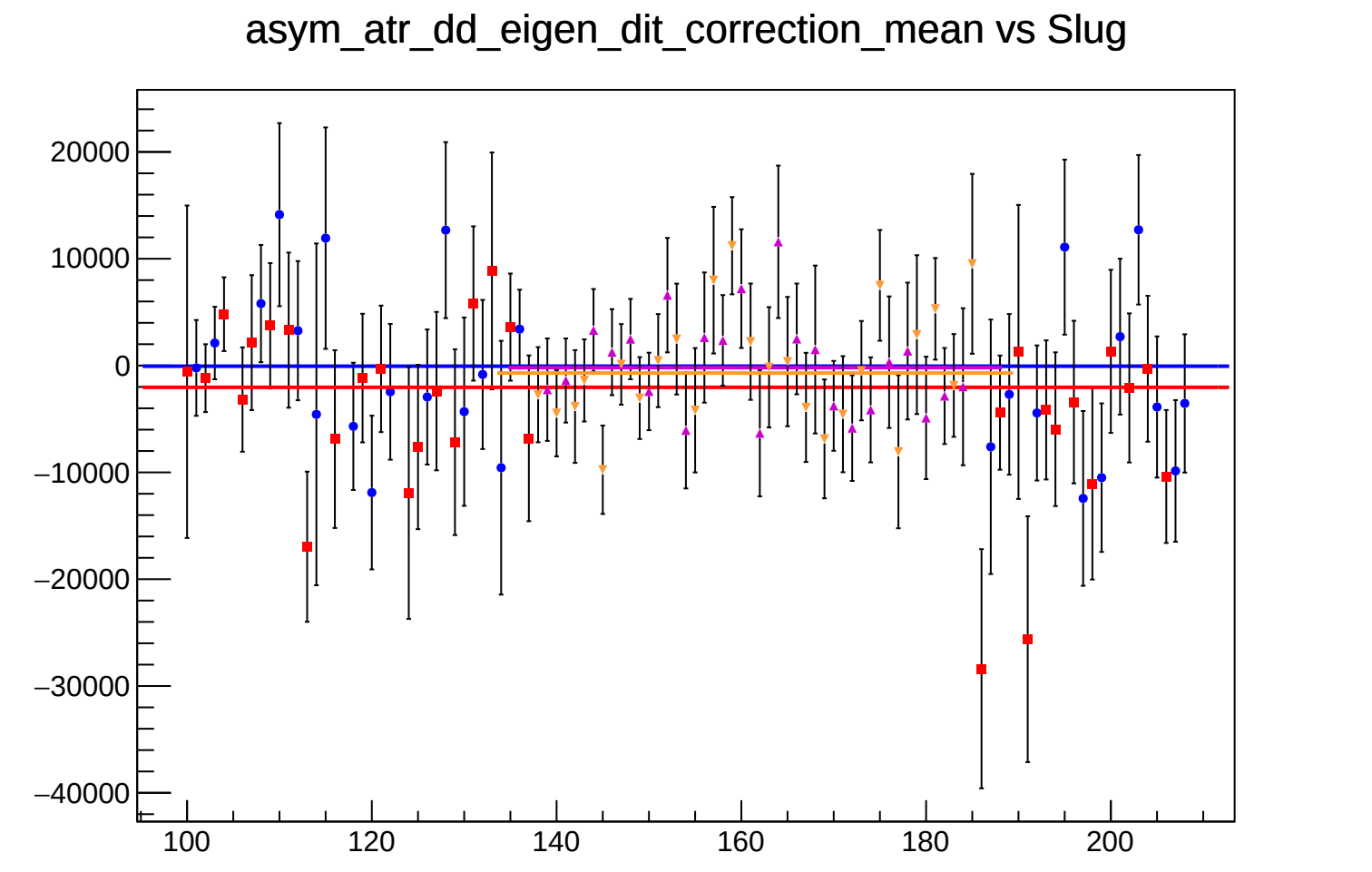
Right Out: 1935.632+/-0.344 χ^2/NDF: 402731.1/30

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1891.655+/-0.227 χ^2/NDF: 769993.5/51

All: 1891.941+/-0.161 χ^2/NDF: 1217749.3/10

- sign 1892.233+/-0.229 χ^2/NDF: 447752.6/53



Right In: -58.039+/-1235.748 χ^2/NDF: 27.8/26

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -2036.968+/-1158.190 χ^2/NDF: 29.8/30

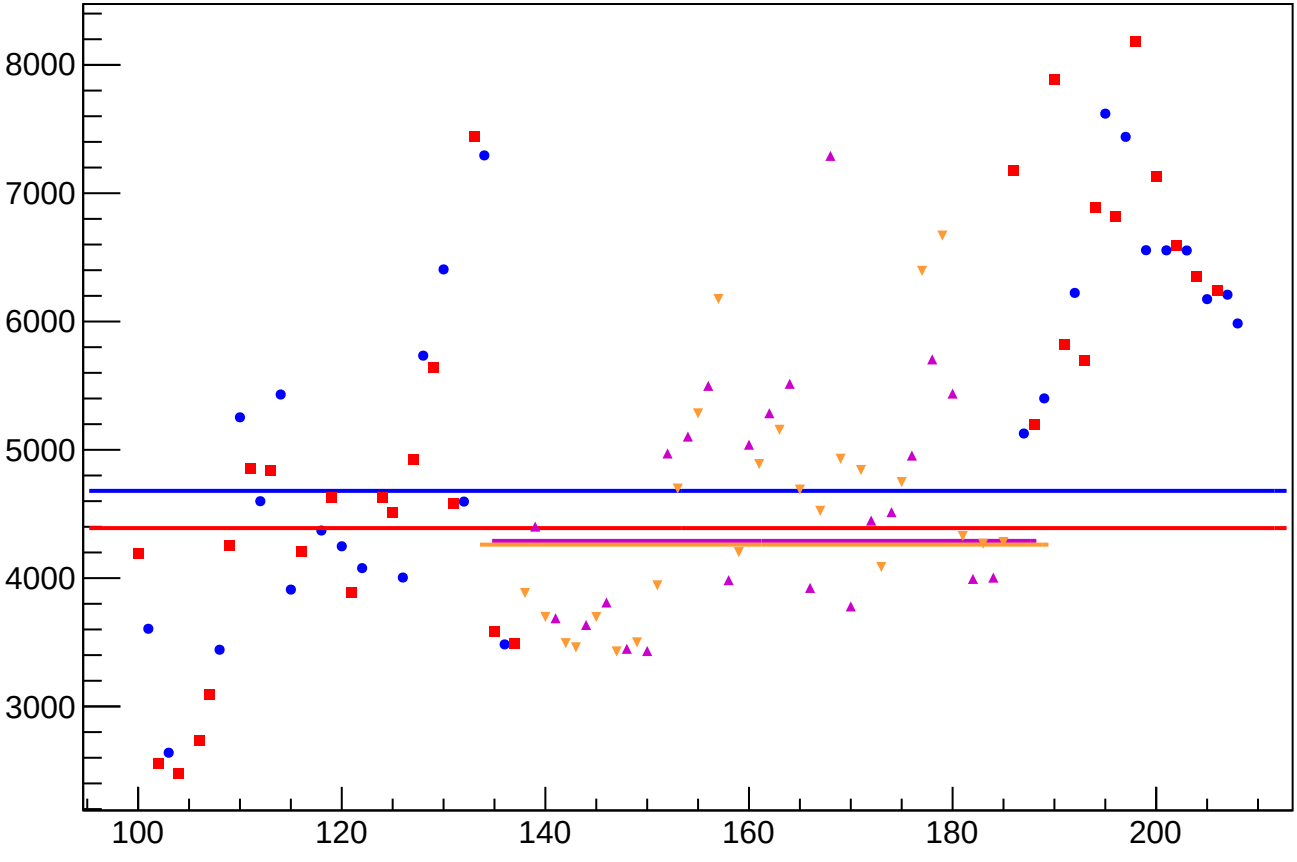
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -447.990+/-772.650 χ^2/NDF: 53.2/51

All: -726.386+/-544.162 χ^2/NDF: 99.9/105

- sign -1000.375+/-766.511 χ^2/NDF: 46.4/53

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4680.176+/-0.874 χ^2/NDF: 2770458.1/26

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4389.985+/-0.819 χ^2/NDF: 3928904.9/30

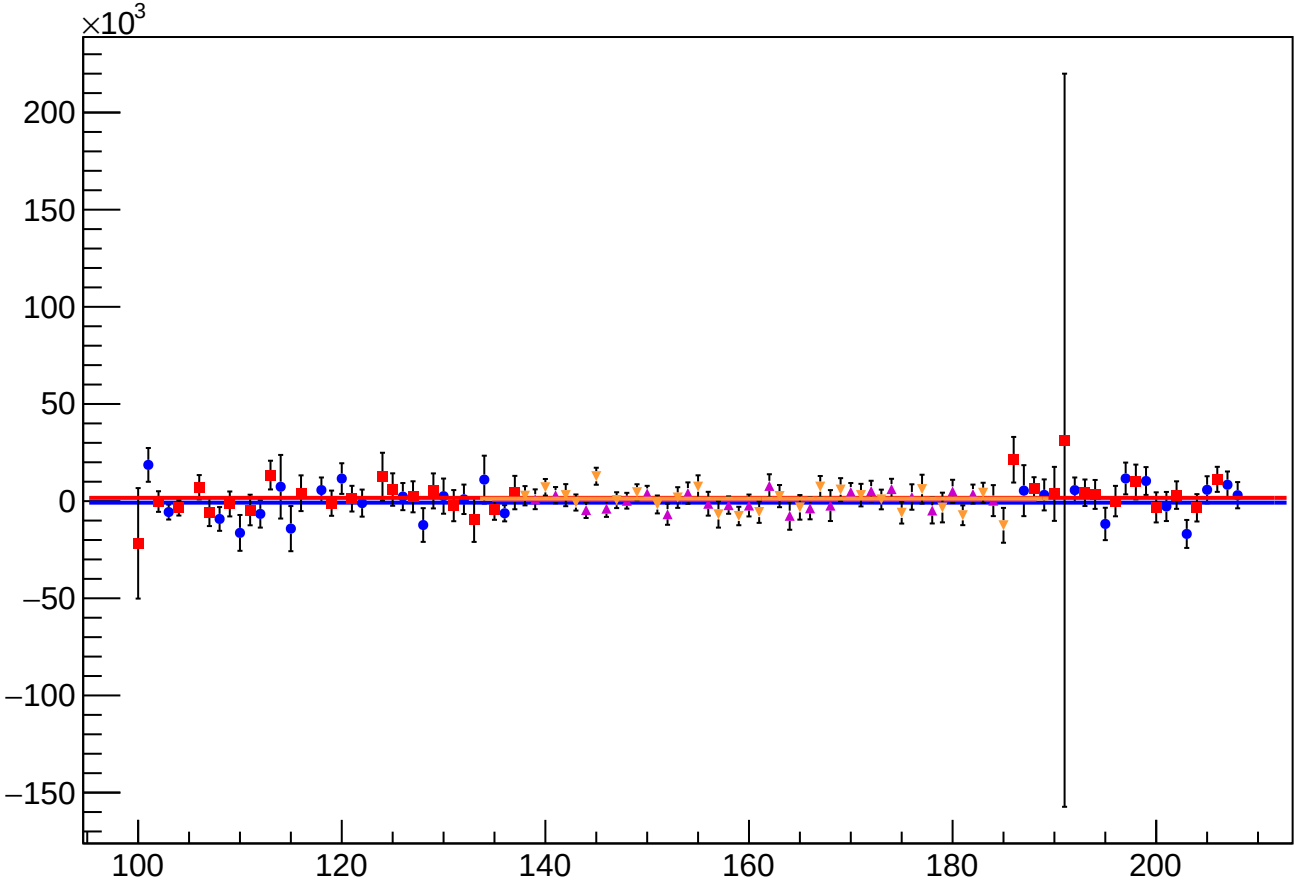
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4424.951+/-0.546 χ^2/NDF: 4101095.5/51

All: 4379.123+/-0.385 χ^2/NDF: 9266240.5/10

- sign 4334.021+/-0.542 χ^2/NDF: 5151184.6/53

asym_atr_dd_mean vs Slug



Right In: -772.844+/-1369.634 χ^2/NDF: 37.8/26

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 1685.997+/-1322.386 χ^2/NDF: 19.3/30

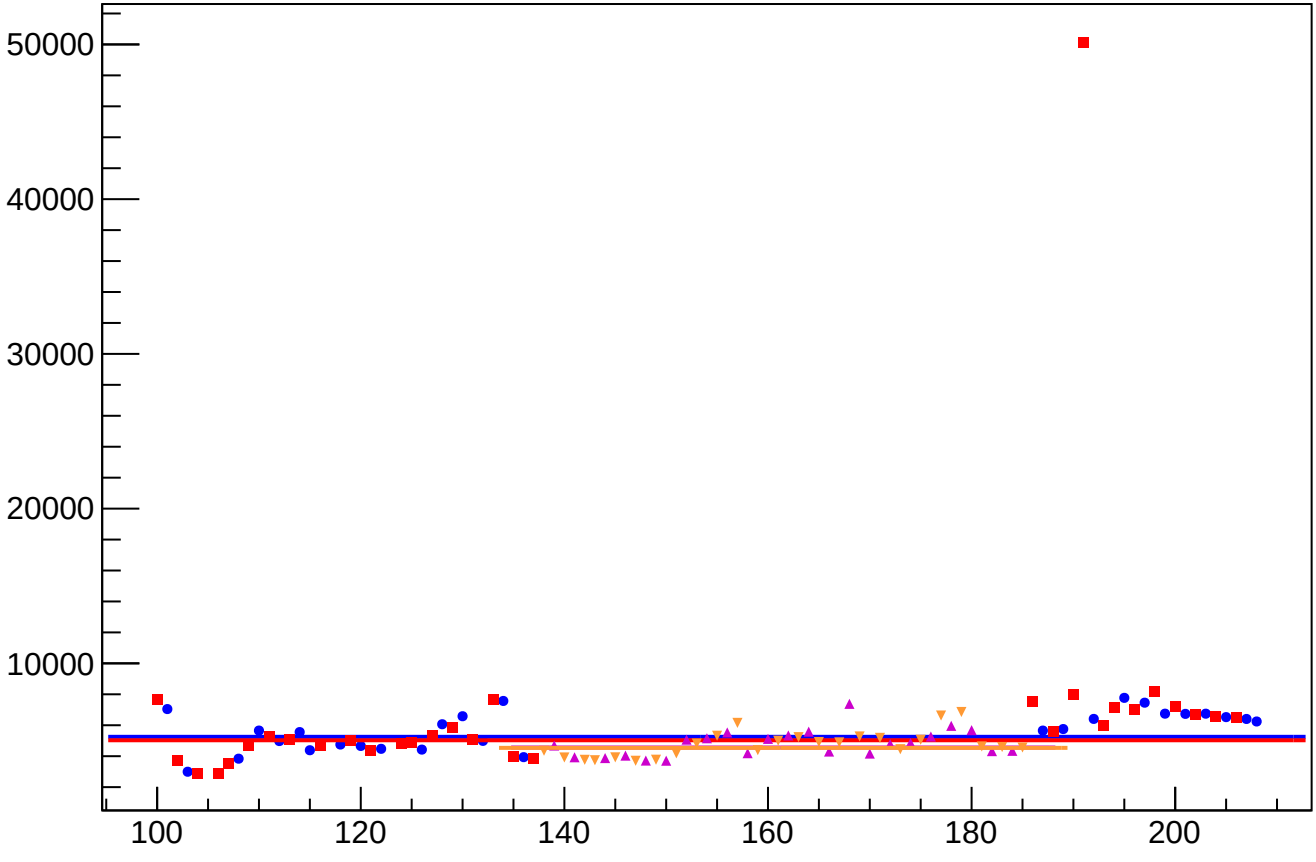
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

\+ sign 532.089+/-833.080 χ^2/NDF: 67.7/51

All: 775.484+/-590.621 χ^2/NDF: 102.0/105

\- sign 1021.449+/-837.466 χ^2/NDF: 34.1/53

asym_atr_dd_rms vs Slug



Right In: 5251.995+/-0.968 χ^2/NDF: 2122764.0/26

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

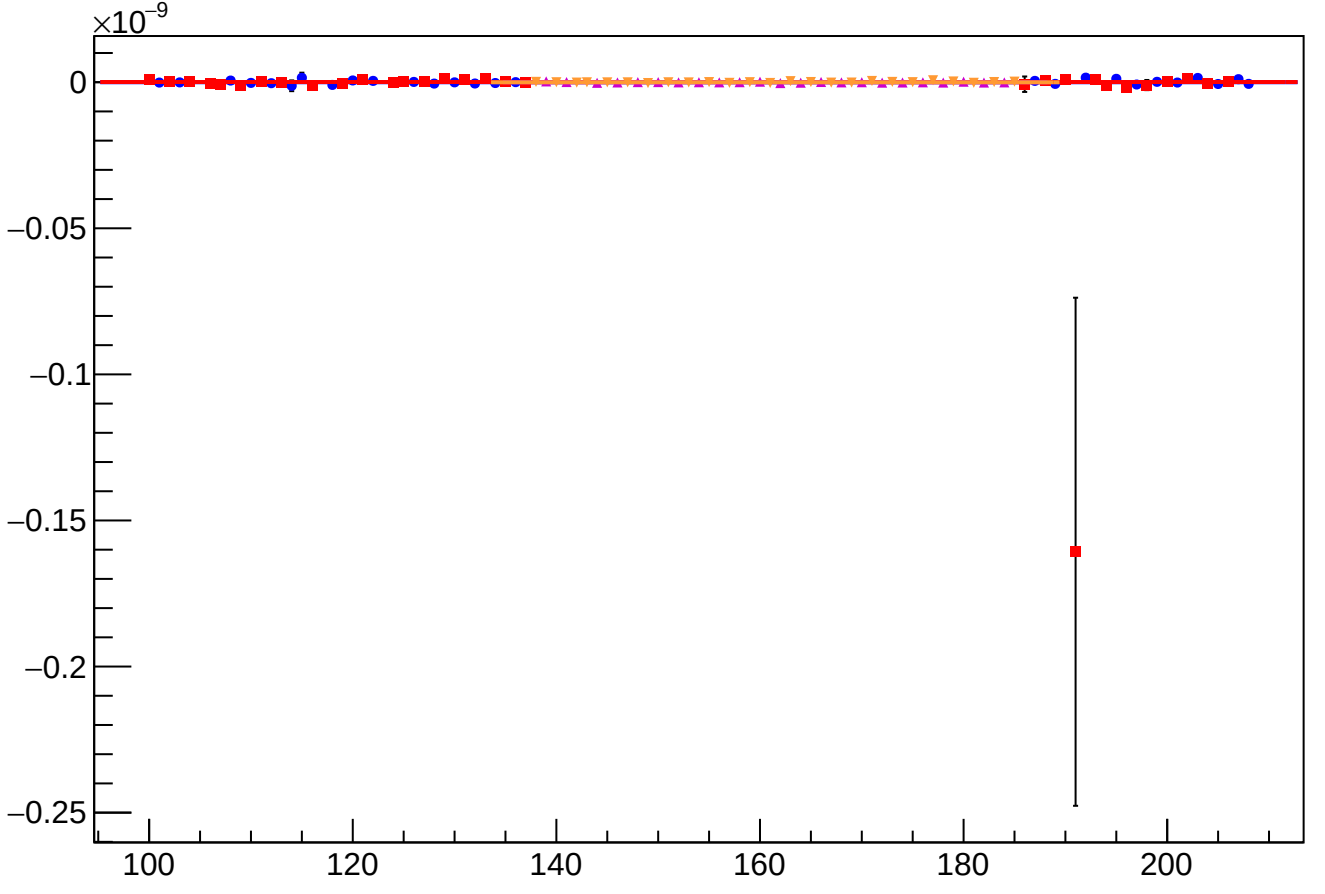
Right Out: 5029.219+/-0.930 χ^2/NDF: 2739015.8/30

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4802.114+/-0.589 χ^2/NDF: 3458163.7/51

All: 4775.998+/-0.417 χ^2/NDF: 7332797.6/10

- sign 4749.722+/-0.591 χ^2/NDF: 3870690.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

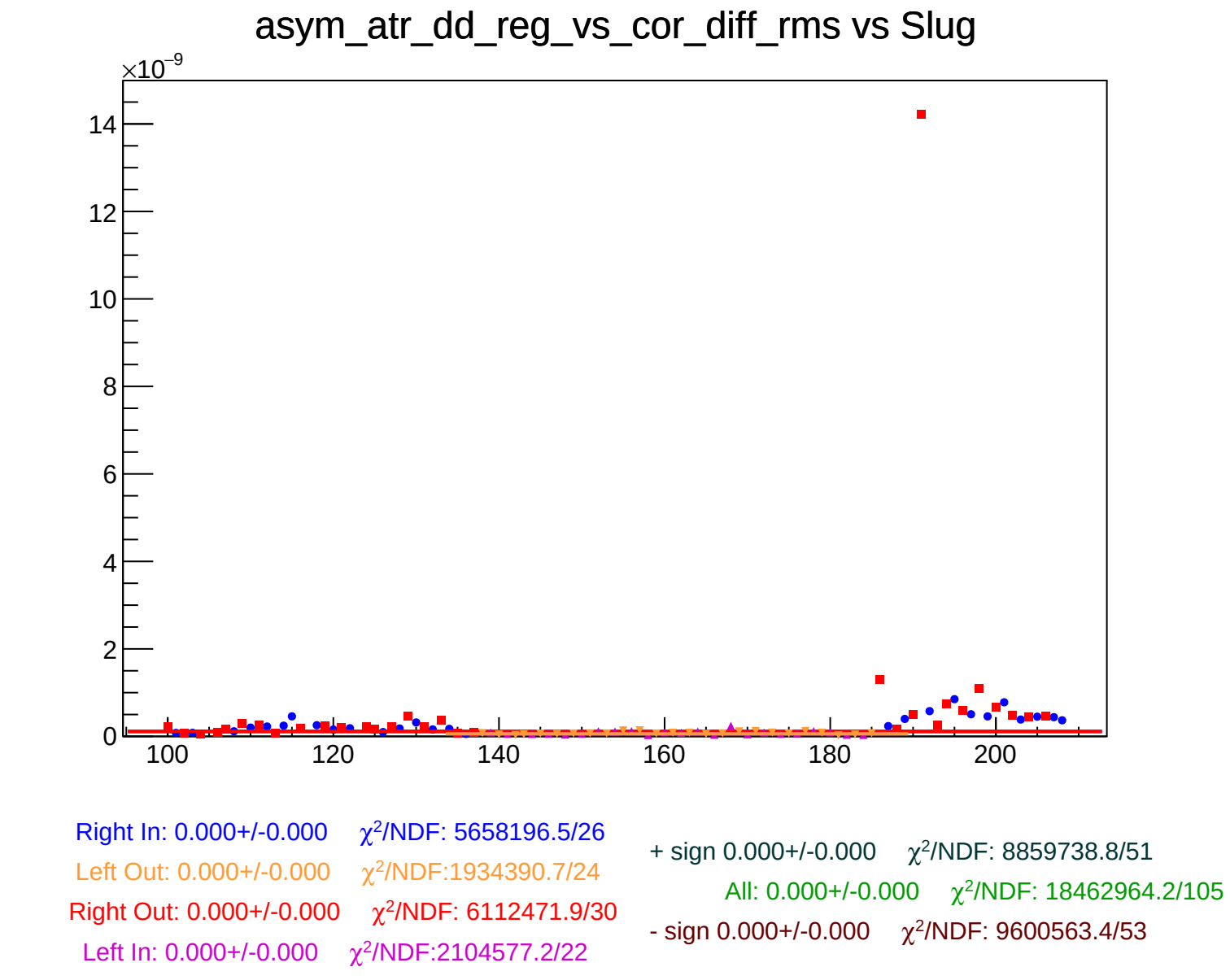
Right Out: 0.000+/-0.000 χ^2/NDF: 36.2/30

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

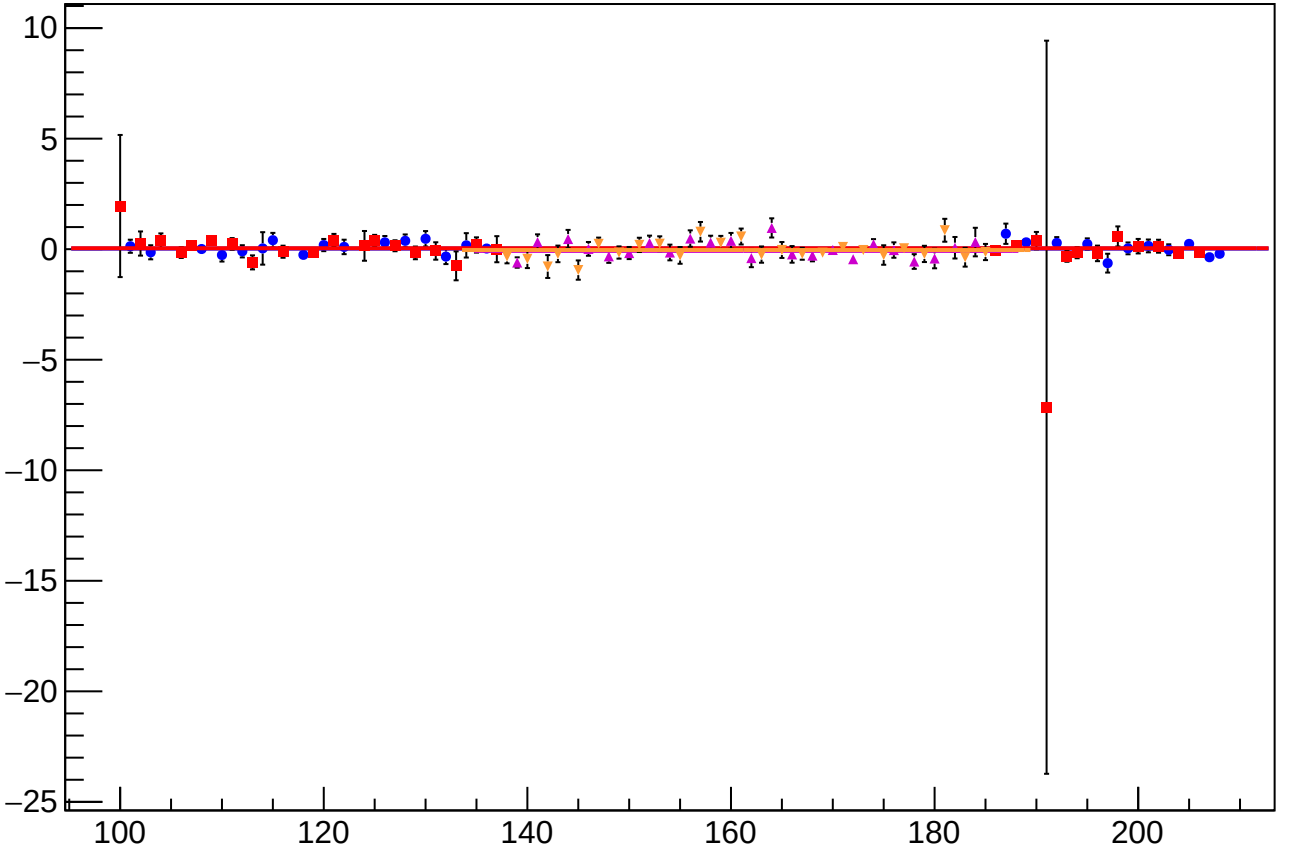
+ sign -0.000+/-0.000 χ^2/NDF: 63.0/51

All: -0.000+/-0.000 χ^2/NDF: 121.7/105

- sign -0.000+/-0.000 χ^2/NDF: 58.2/53


asym_atr_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5658196.5/26
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 6112471.9/30
Left In: 0.000+/-0.000 χ²/NDF:2104577.2/22
+ sign 0.000+/-0.000 χ²/NDF: 8859738.8/51
All: 0.000+/-0.000 χ²/NDF: 18462964.2/105
- sign 0.000+/-0.000 χ²/NDF: 9600563.4/53

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.050 χ^2/NDF: 27.6/26

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.043+/-0.048 χ^2/NDF: 27.9/30

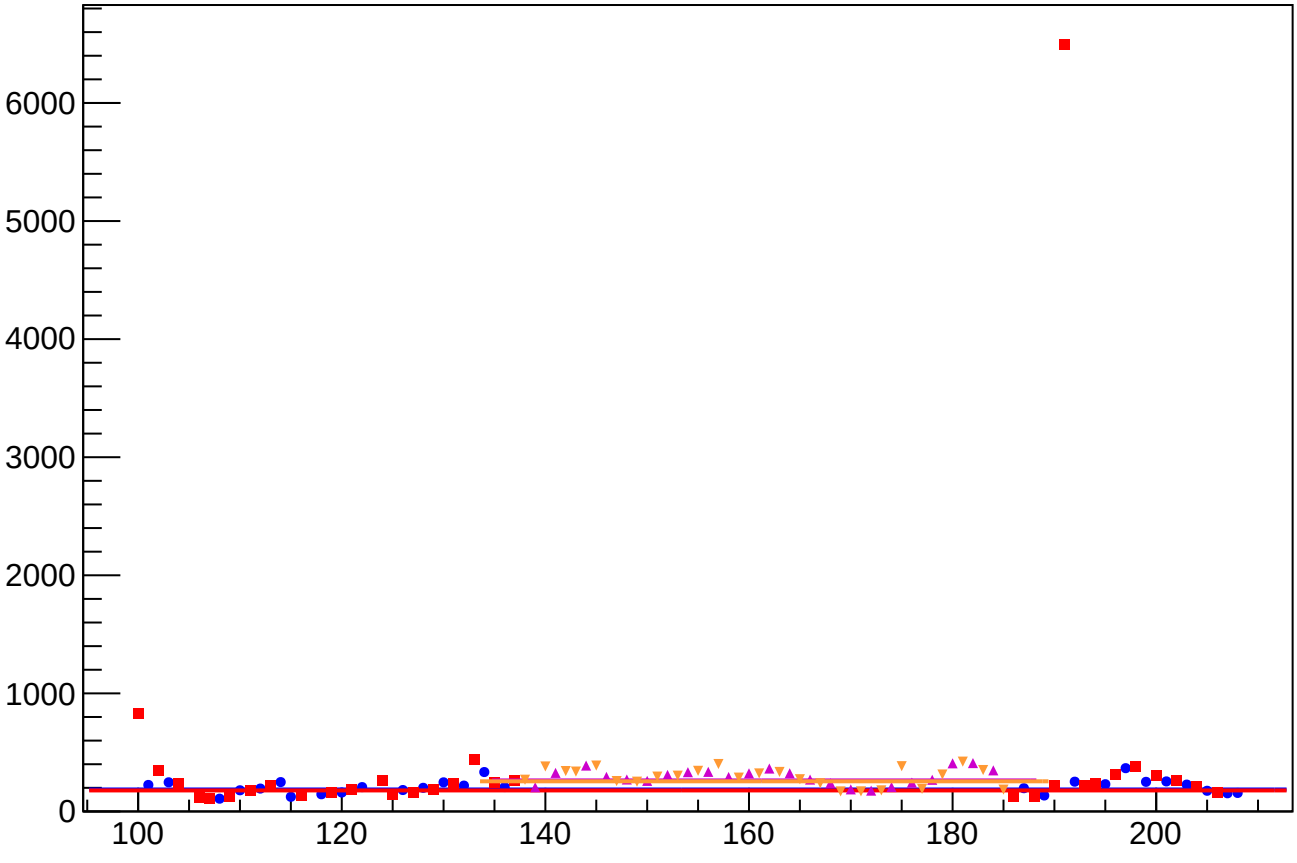
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.001+/-0.039 χ^2/NDF: 52.7/51

All: 0.000+/-0.027 χ^2/NDF: 113.9/105

- sign -0.001+/-0.039 χ^2/NDF: 61.2/53

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 186.207+/-0.035 χ^2/NDF: 2040177.9/26

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

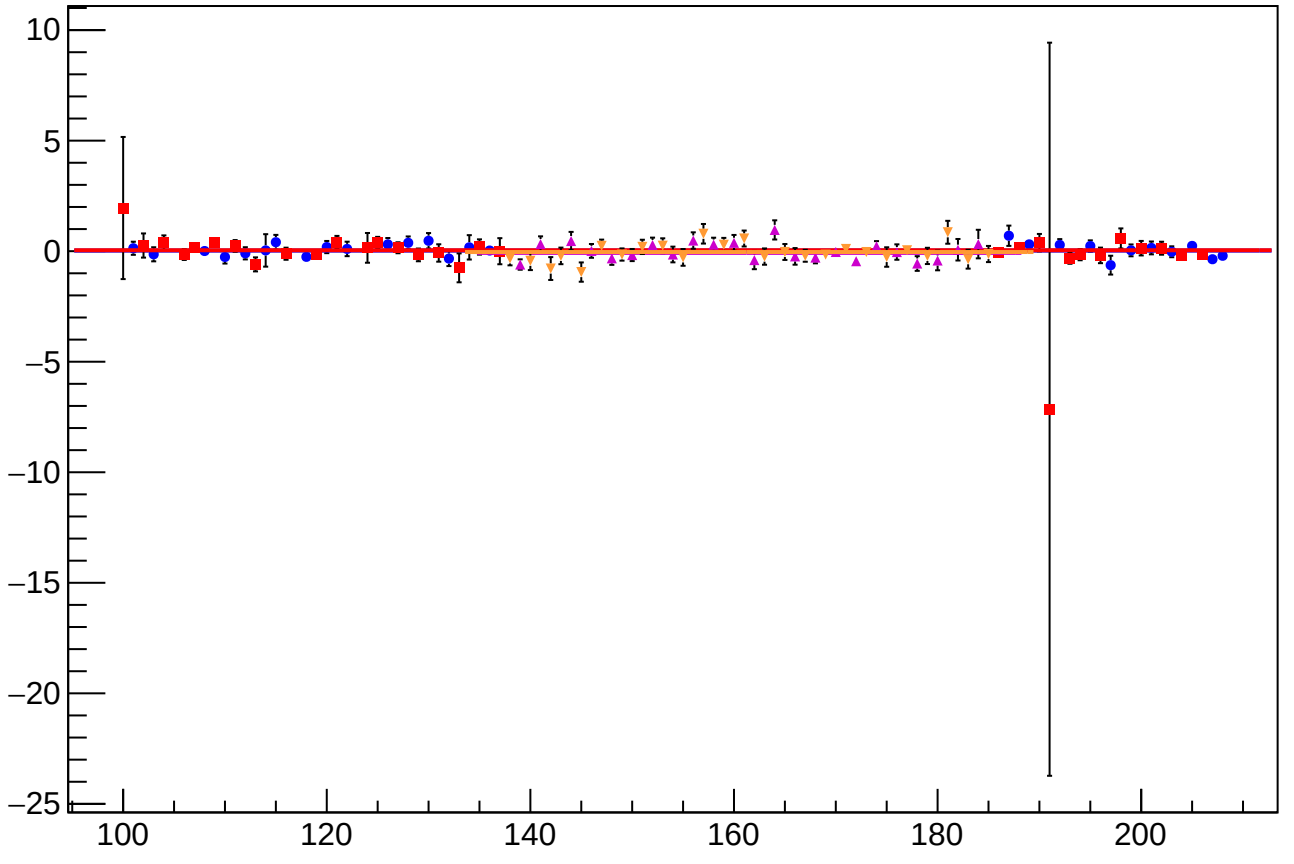
Right Out: 178.059+/-0.034 χ^2/NDF: 3552023.6/30

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 213.277+/-0.027 χ^2/NDF: 6493149.5/51

All: 210.859+/-0.019 χ^2/NDF: 14274105.4/10

- sign 208.429+/-0.027 χ^2/NDF: 7765340.4/53



Right In: 0.027+/-0.050 χ^2/NDF: 27.6/26

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.043+/-0.048 χ^2/NDF: 27.9/30

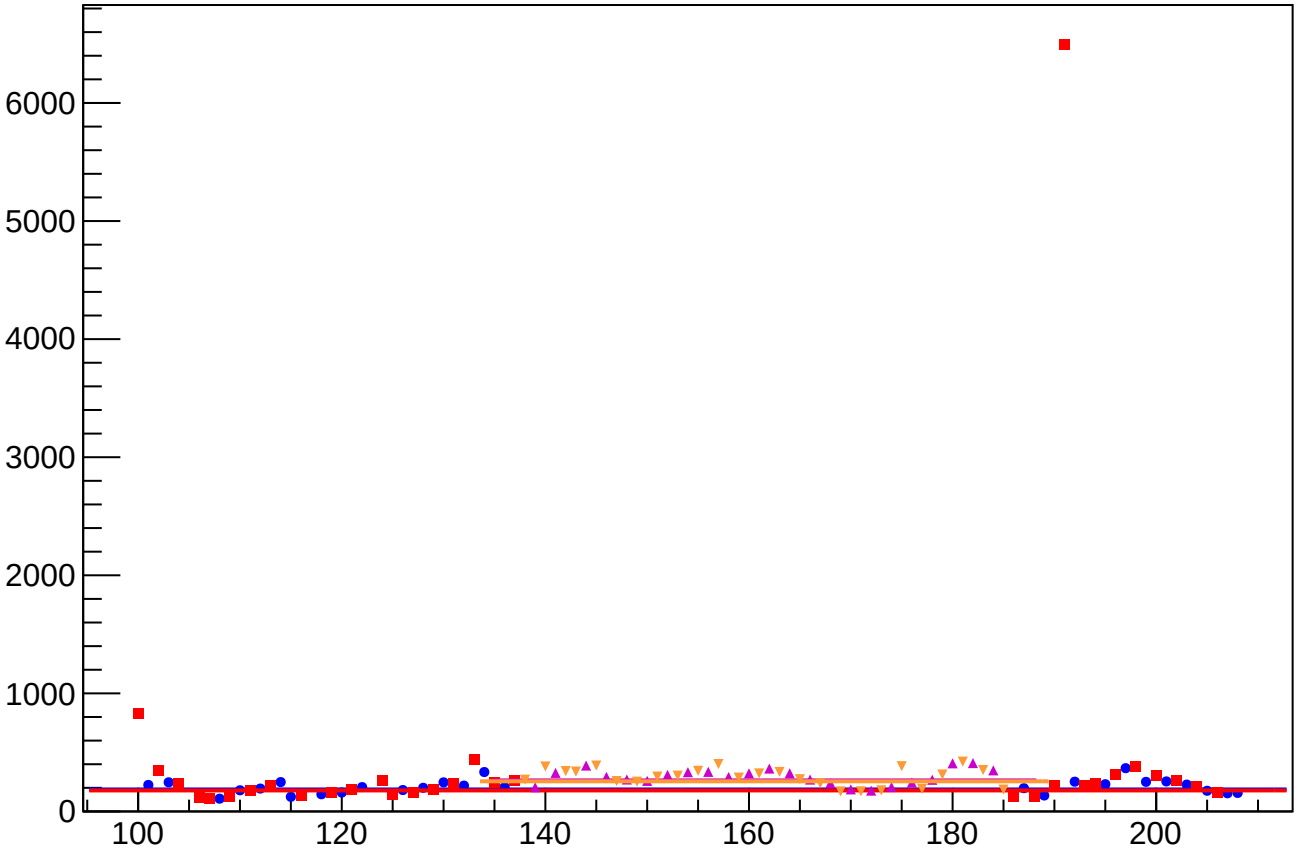
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.001+/-0.039 χ^2/NDF: 52.7/51

All: 0.000+/-0.027 χ^2/NDF: 113.9/105

- sign -0.001+/-0.039 χ^2/NDF: 61.2/53

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 186.207+/-0.035 χ^2/NDF: 2040177.9/26

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 178.059+/-0.034 χ^2/NDF: 3552023.6/30

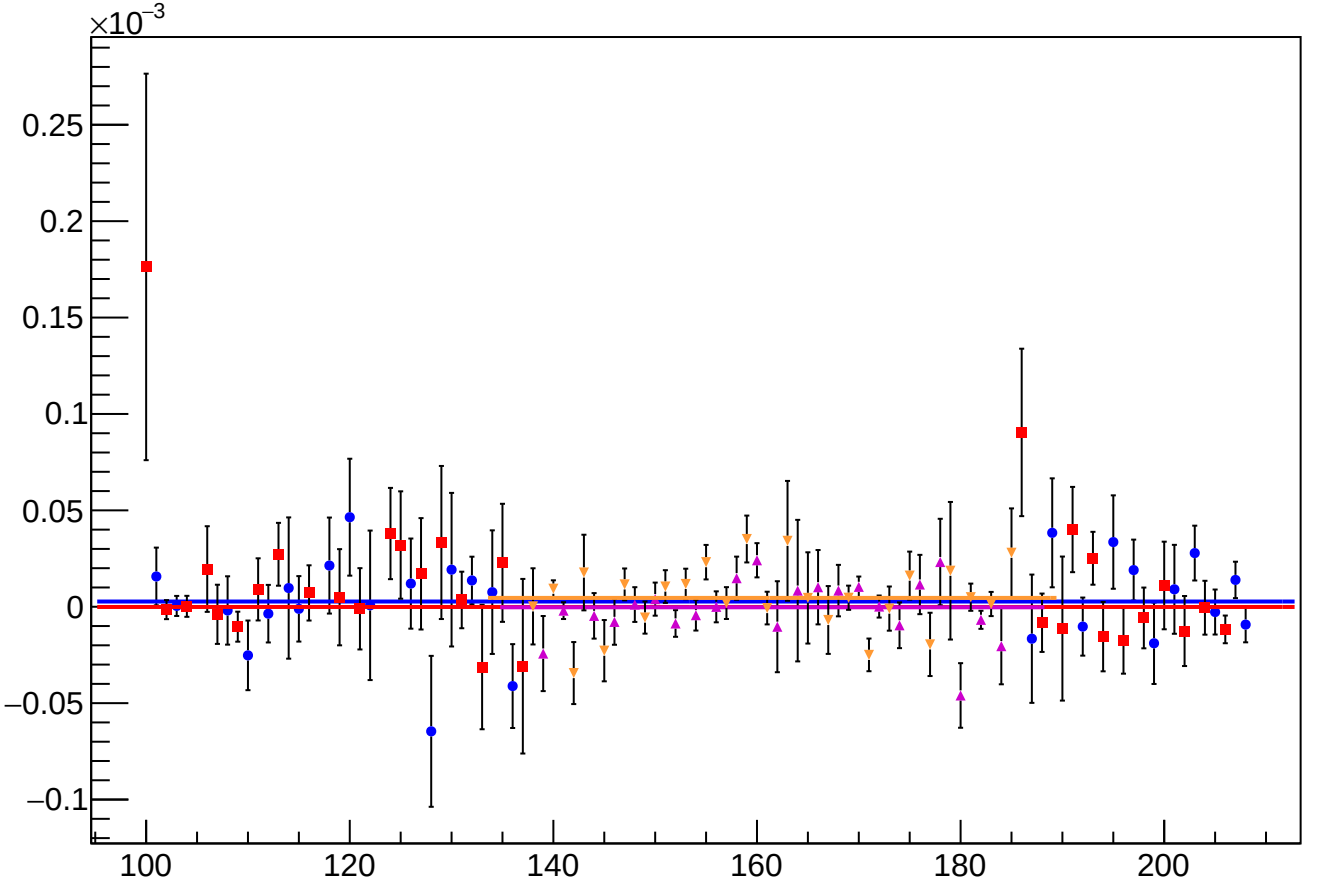
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 213.277+/-0.027 χ^2/NDF: 6493149.5/51

All: 210.859+/-0.019 χ^2/NDF: 14274105.4/10

- sign 208.429+/-0.027 χ^2/NDF: 7765340.4/53

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

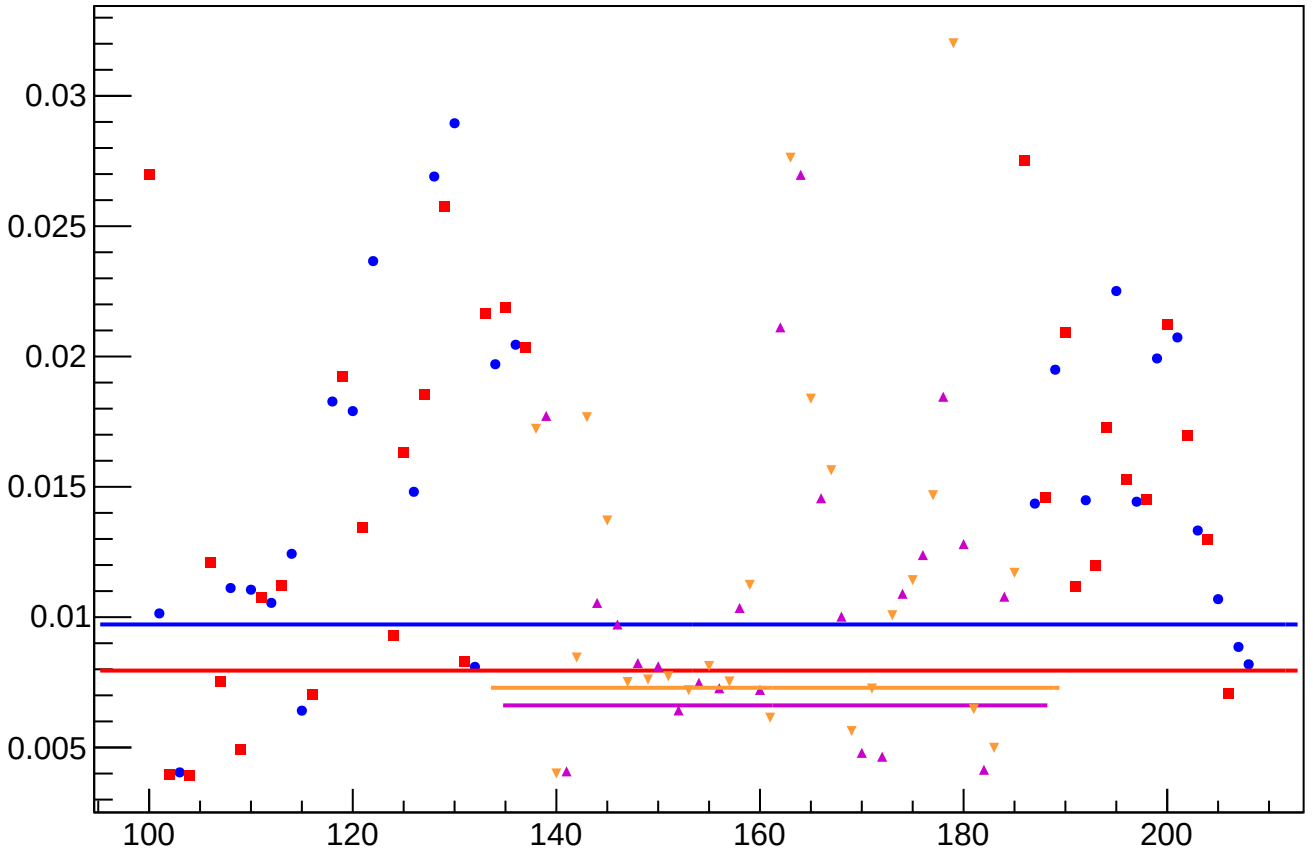
Right Out: -0.000+/-0.000 χ^2/NDF: 32.9/30

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.1/51

All: 0.000+/-0.000 χ^2/NDF: 139.2/105

- sign -0.000+/-0.000 χ^2/NDF: 64.1/53



Right In: 0.010+/-0.000 χ^2/NDF: 7154776.7/26

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 9291243.9/30

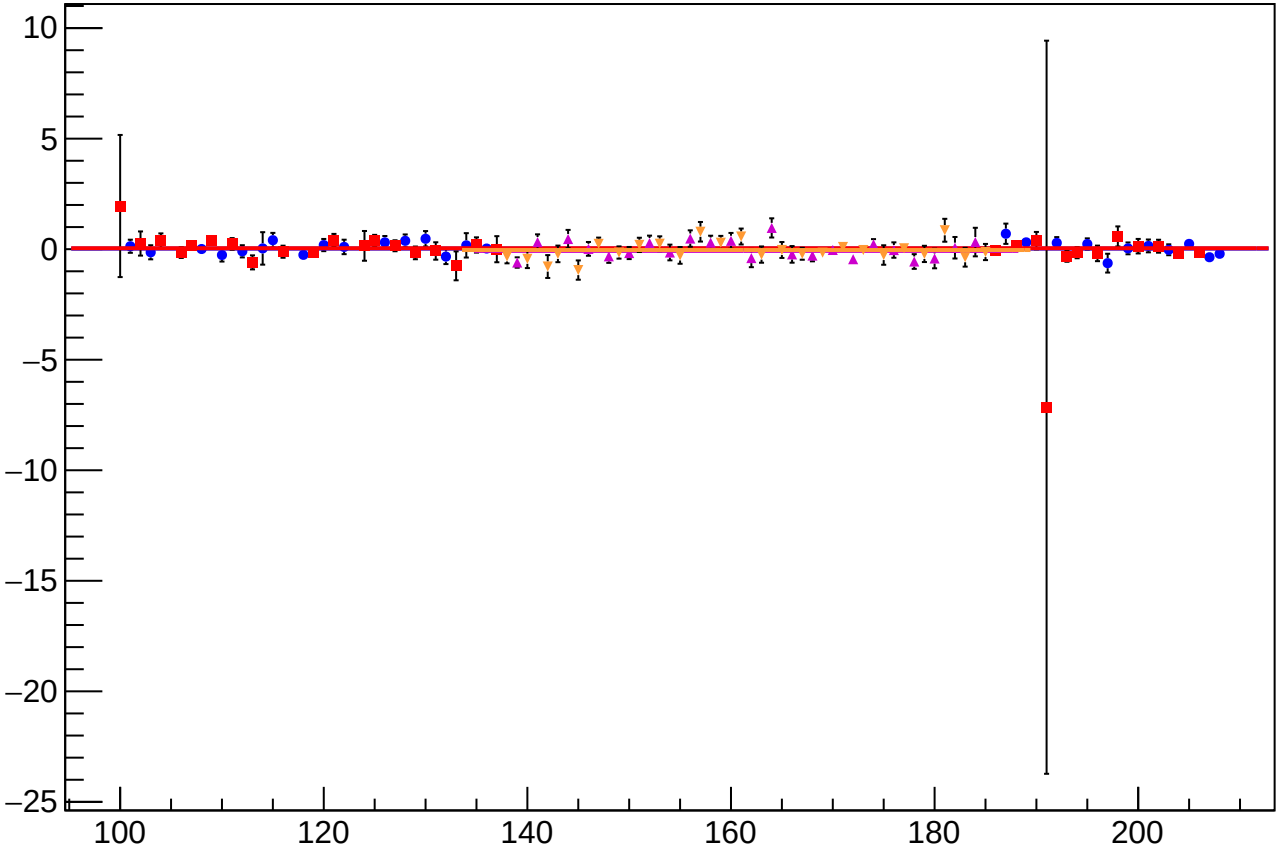
Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 14945869.4/51

All: 0.008+/-0.000 χ^2/NDF: 31434805.0/105

- sign 0.007+/-0.000 χ^2/NDF: 16106310.1/53

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.050 χ^2/NDF: 27.6/26

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.043+/-0.048 χ^2/NDF: 27.9/30

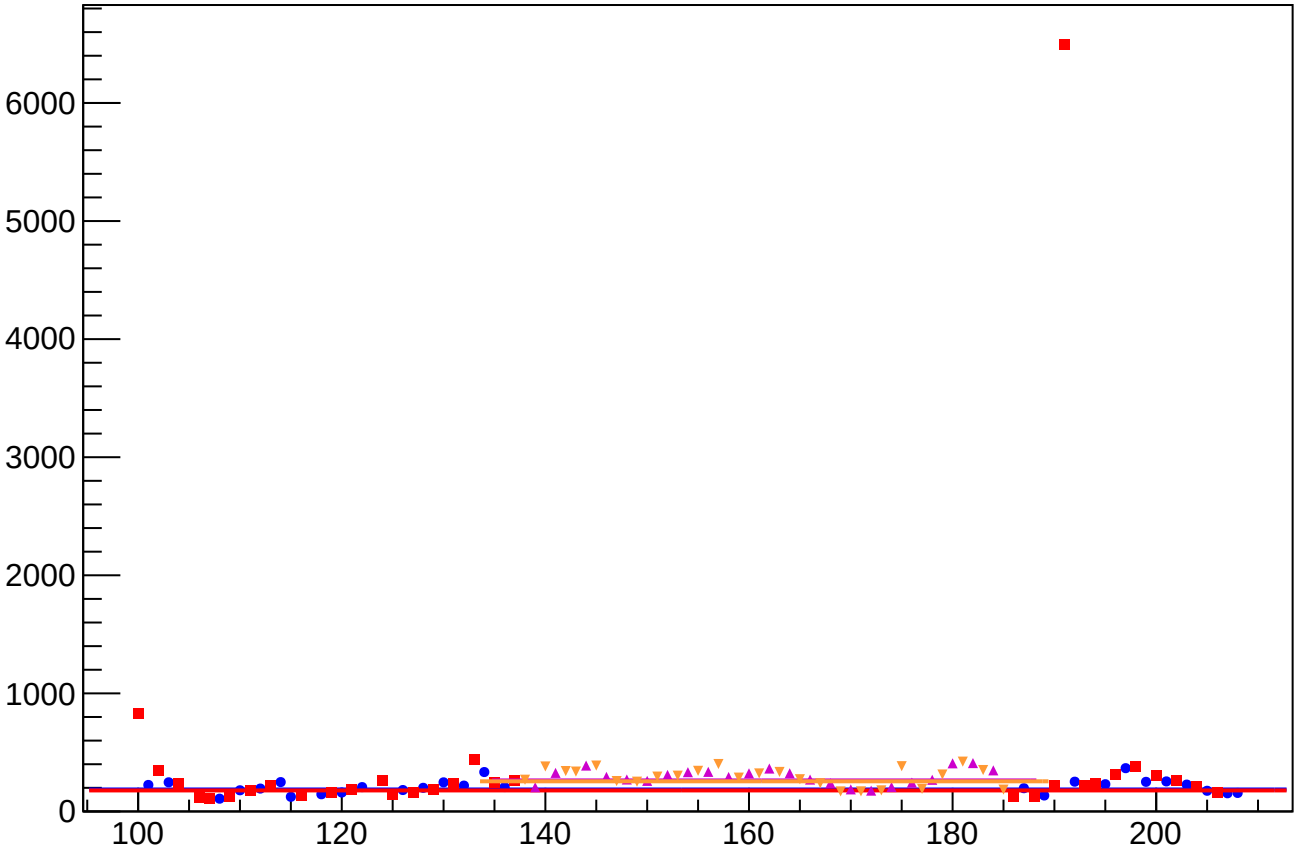
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.001+/-0.039 χ^2/NDF: 52.7/51

All: 0.000+/-0.027 χ^2/NDF: 113.9/105

- sign -0.001+/-0.039 χ^2/NDF: 61.2/53

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 186.207+/-0.035 χ^2/NDF: 2040175.2/26

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

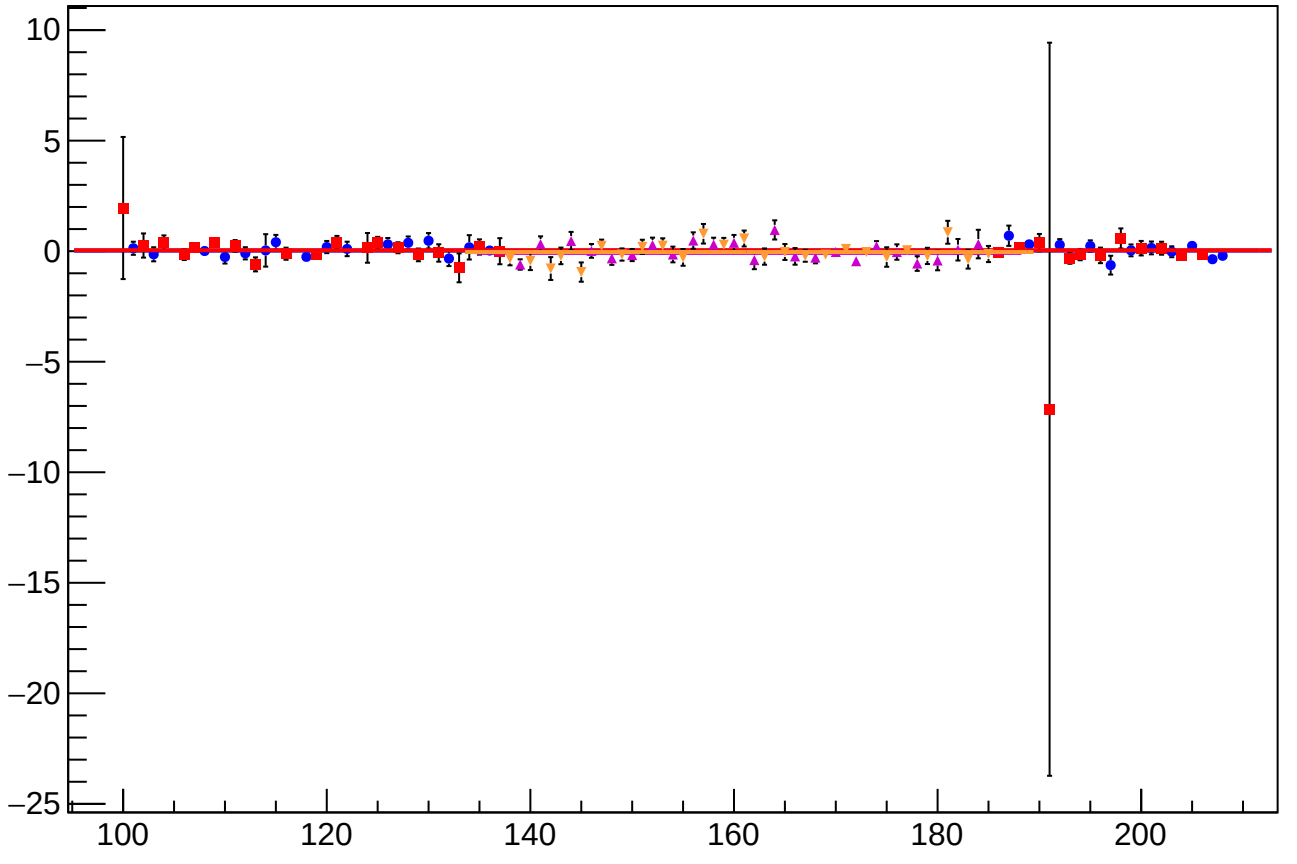
Right Out: 178.060+/-0.034 χ^2/NDF: 3551984.4/30

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 213.277+/-0.027 χ^2/NDF: 6493313.5/51

All: 210.860+/-0.019 χ^2/NDF: 14274275.9/10

- sign 208.430+/-0.027 χ^2/NDF: 7765354.7/53



Right In: 0.027+/-0.050 χ^2/NDF: 27.6/26

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

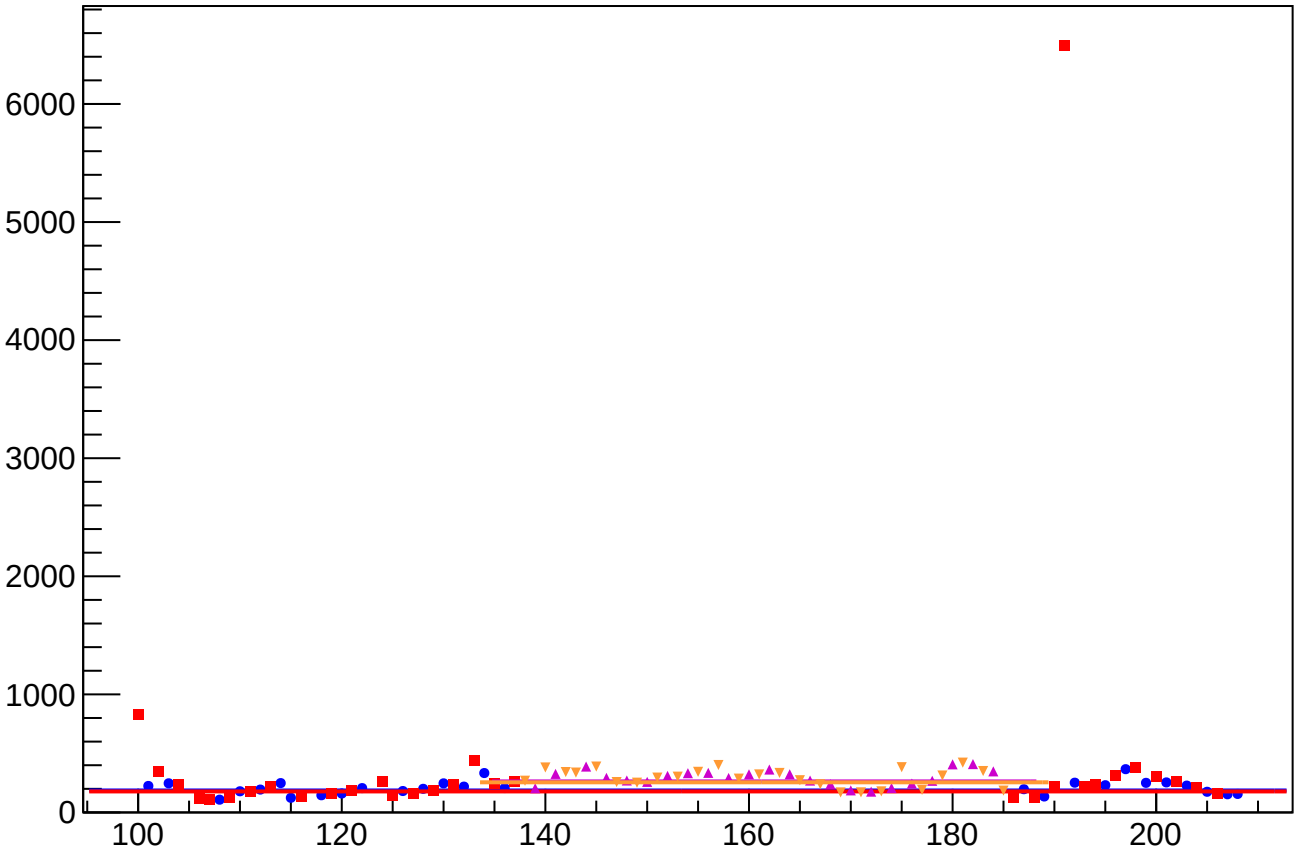
Right Out: 0.043+/-0.048 χ^2/NDF: 27.9/30

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.001+/-0.039 χ^2/NDF: 52.7/51

All: 0.000+/-0.027 χ^2/NDF: 113.9/105

- sign -0.001+/-0.039 χ^2/NDF: 61.2/53



Right In: 186.207+/-0.035 χ^2/NDF: 2040175.2/26

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

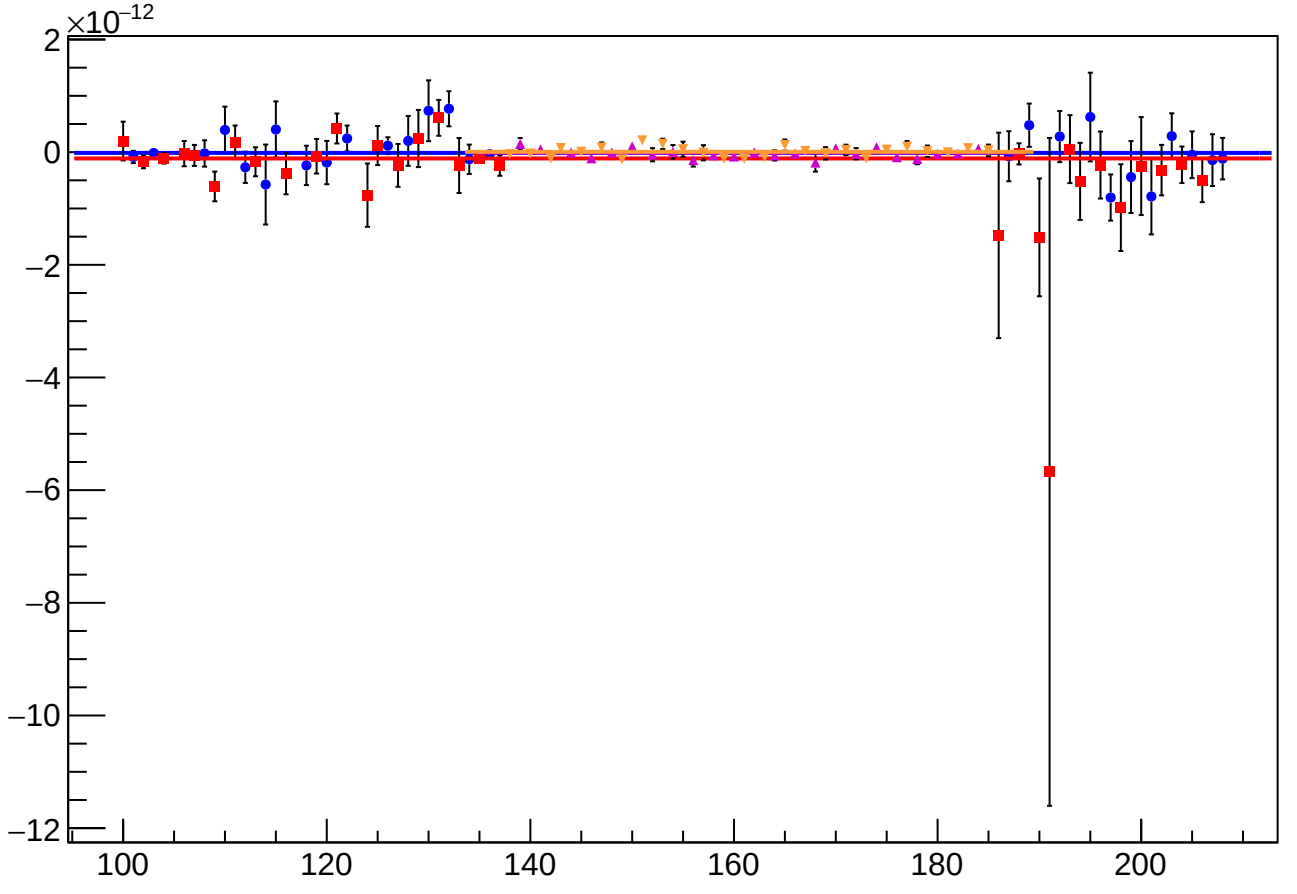
Right Out: 178.060+/-0.034 χ^2/NDF: 3551984.4/30

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 213.277+/-0.027 χ^2/NDF: 6493313.5/51

All: 210.860+/-0.019 χ^2/NDF: 14274275.9/10

- sign 208.430+/-0.027 χ^2/NDF: 7765354.7/53



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

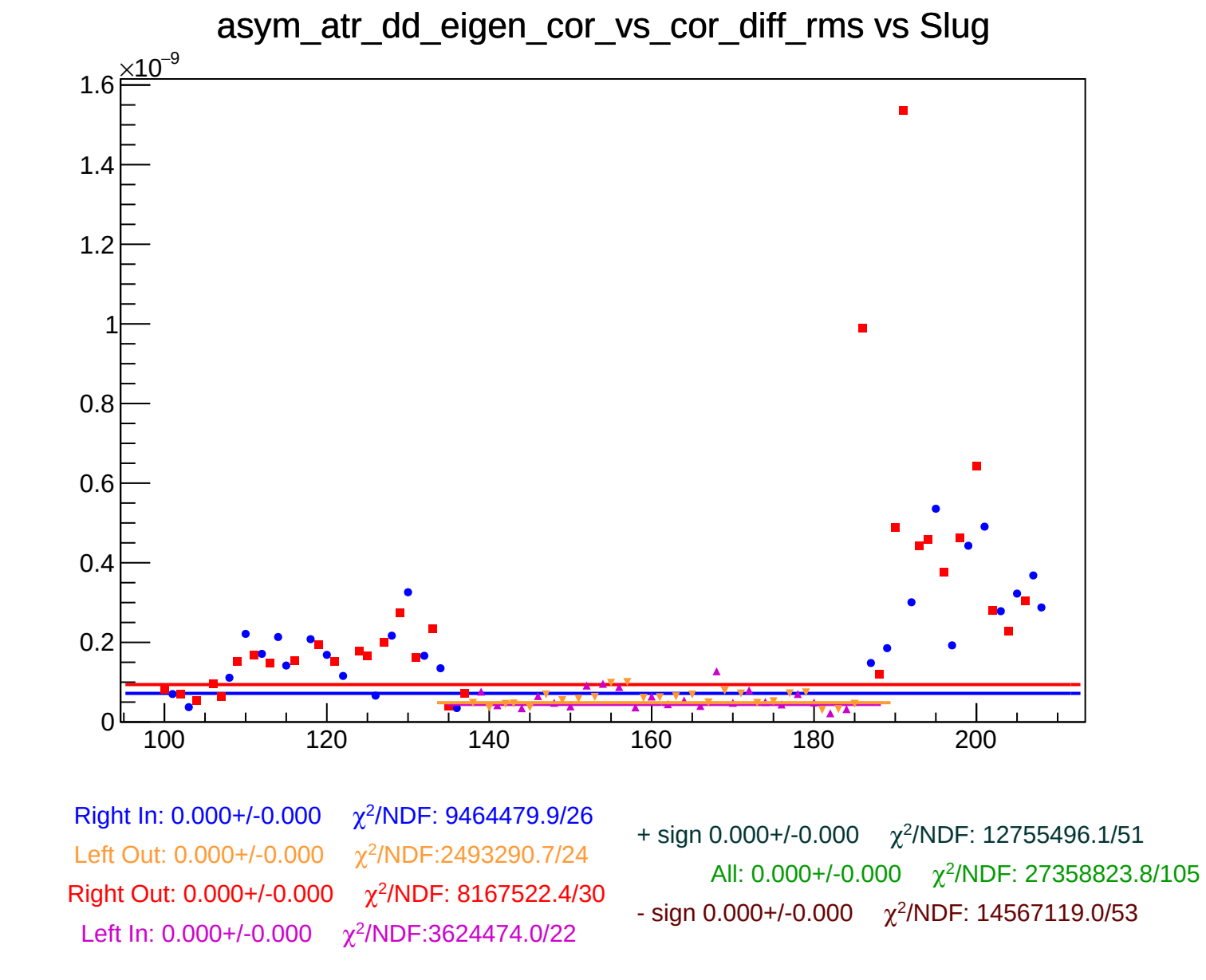
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/30

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

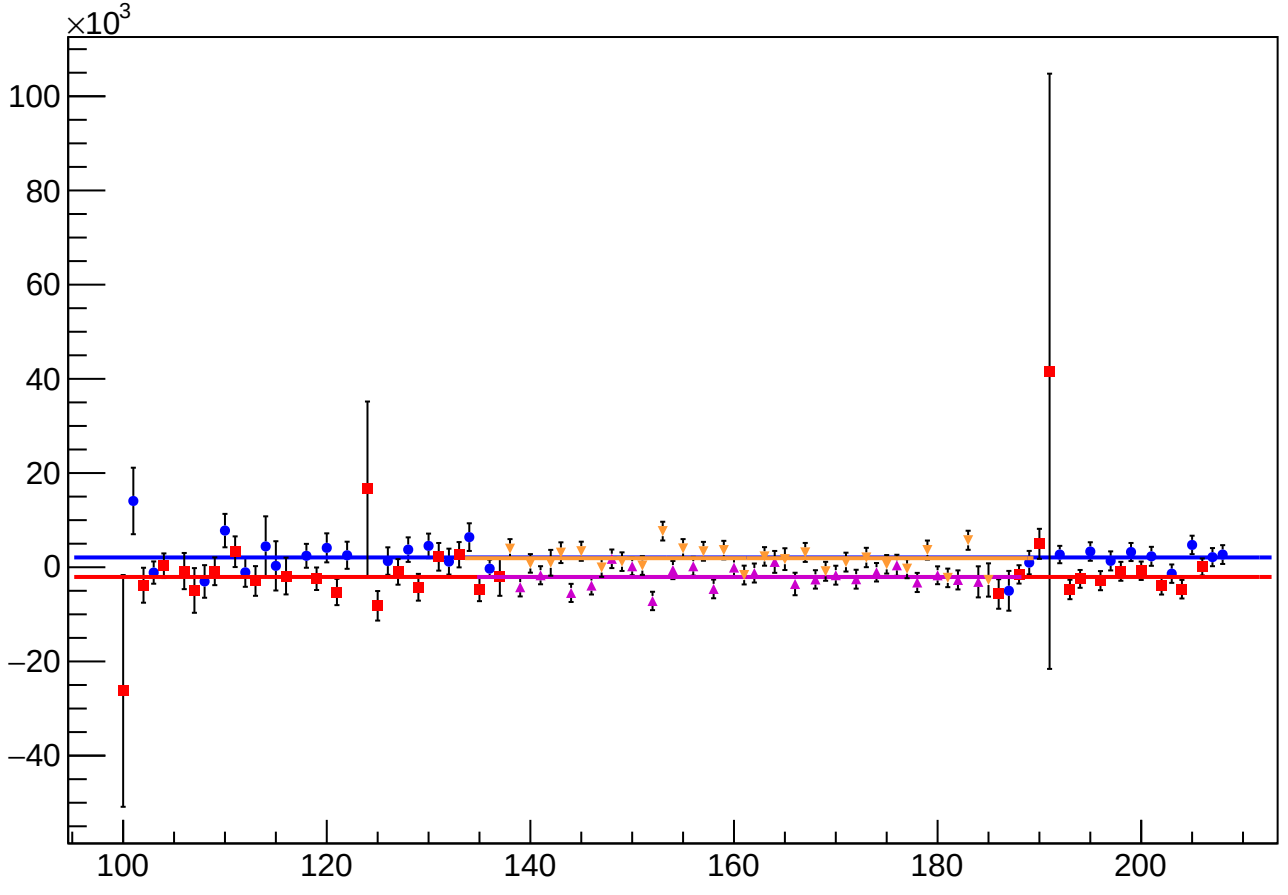
+ sign 0.000+/-0.000 χ^2/NDF: 54.7/51

All: -0.000+/-0.000 χ^2/NDF: 108.5/105

- sign -0.000+/-0.000 χ^2/NDF: 52.2/53


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 9464479.9/26
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 8167522.4/30
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
+ sign 0.000+/-0.000 χ²/NDF: 12755496.1/51
All: 0.000+/-0.000 χ²/NDF: 27358823.8/105
- sign 0.000+/-0.000 χ²/NDF: 14567119.0/53

reg_asym_at1_avg_mean vs Slug



Right In: 2082.664+/-475.563 χ^2/NDF: 25.5/26

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -2064.035+/-476.323 χ^2/NDF: 32.0/30

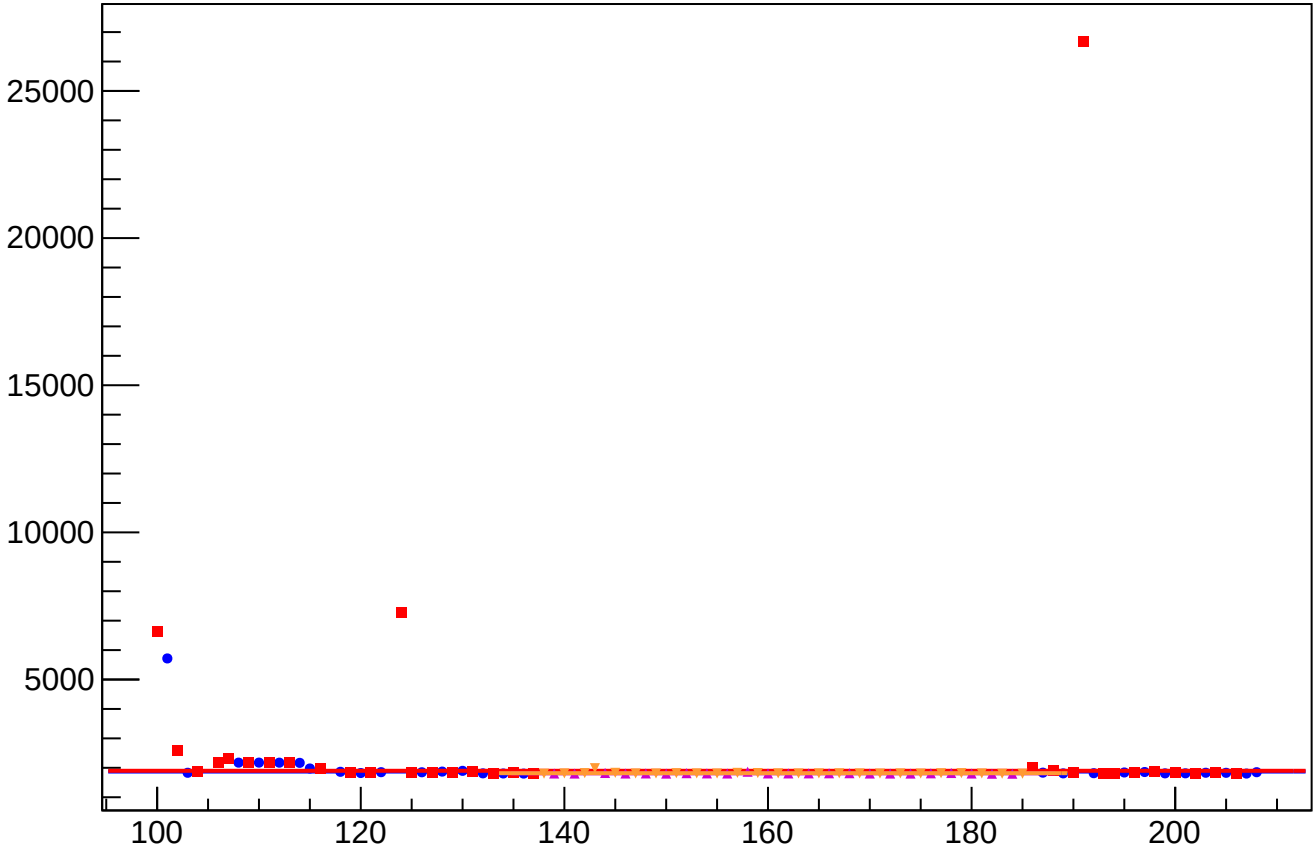
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1990.274+/-311.788 χ^2/NDF: 58.1/51

All: -10.110+/-222.070 χ^2/NDF: 200.2/105

- sign -2069.718+/-316.370 χ^2/NDF: 58.5/53

reg_asym_at1_avg_rms vs Slug



Right In: 1873.173+/-0.336 χ^2/NDF: 665564.9/26

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1898.698+/-0.337 χ^2/NDF: 734405.9/30

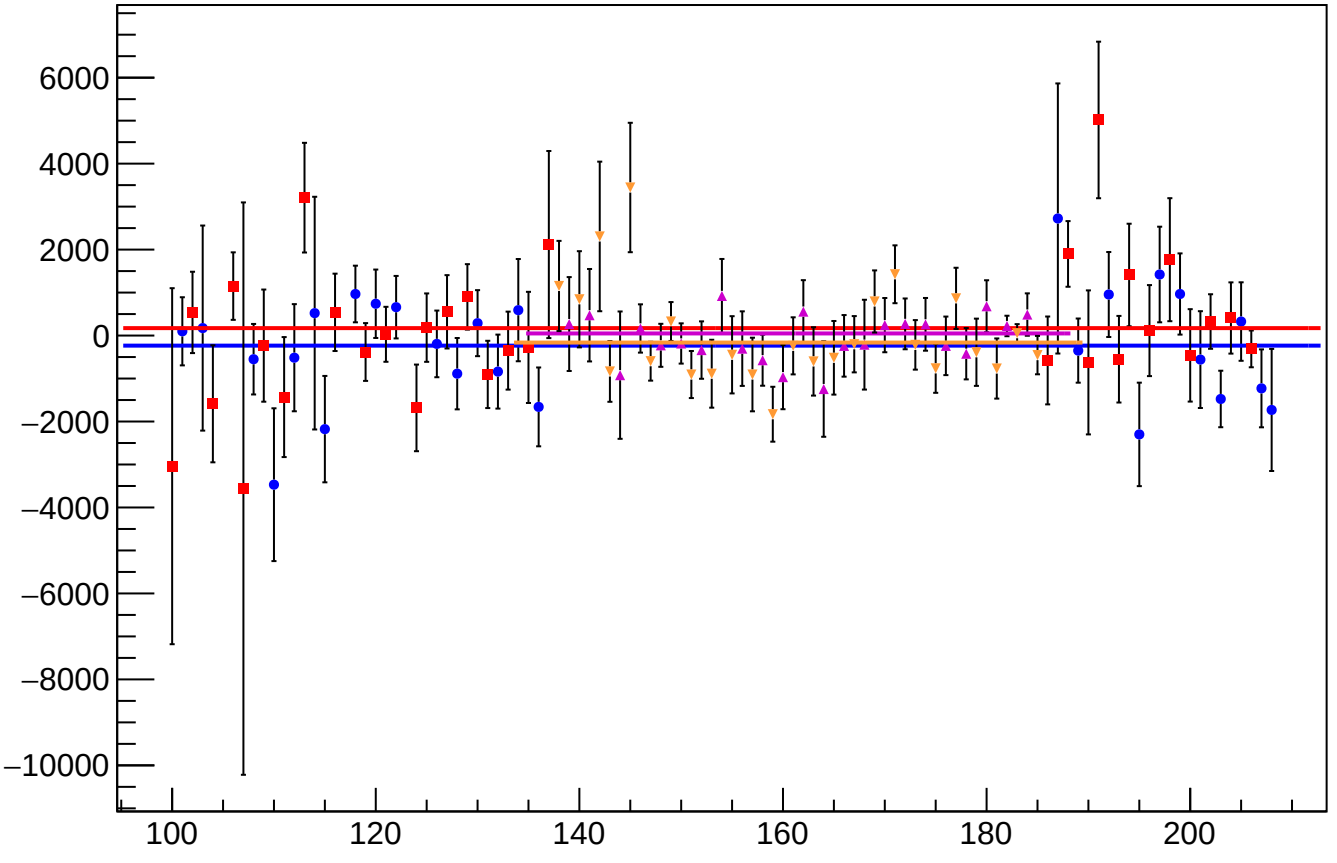
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1841.444+/-0.220 χ^2/NDF: 694134.7/51

All: 1845.931+/-0.157 χ^2/NDF: 1467959.3/10

- sign 1850.552+/-0.224 χ^2/NDF: 772983.8/53

asym_at1_avg_reg_correction_mean vs Slug



Right In: -234.443+/-181.407 χ^2/NDF: 32.5/26

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 172.884+/-164.514 χ^2/NDF: 37.5/30

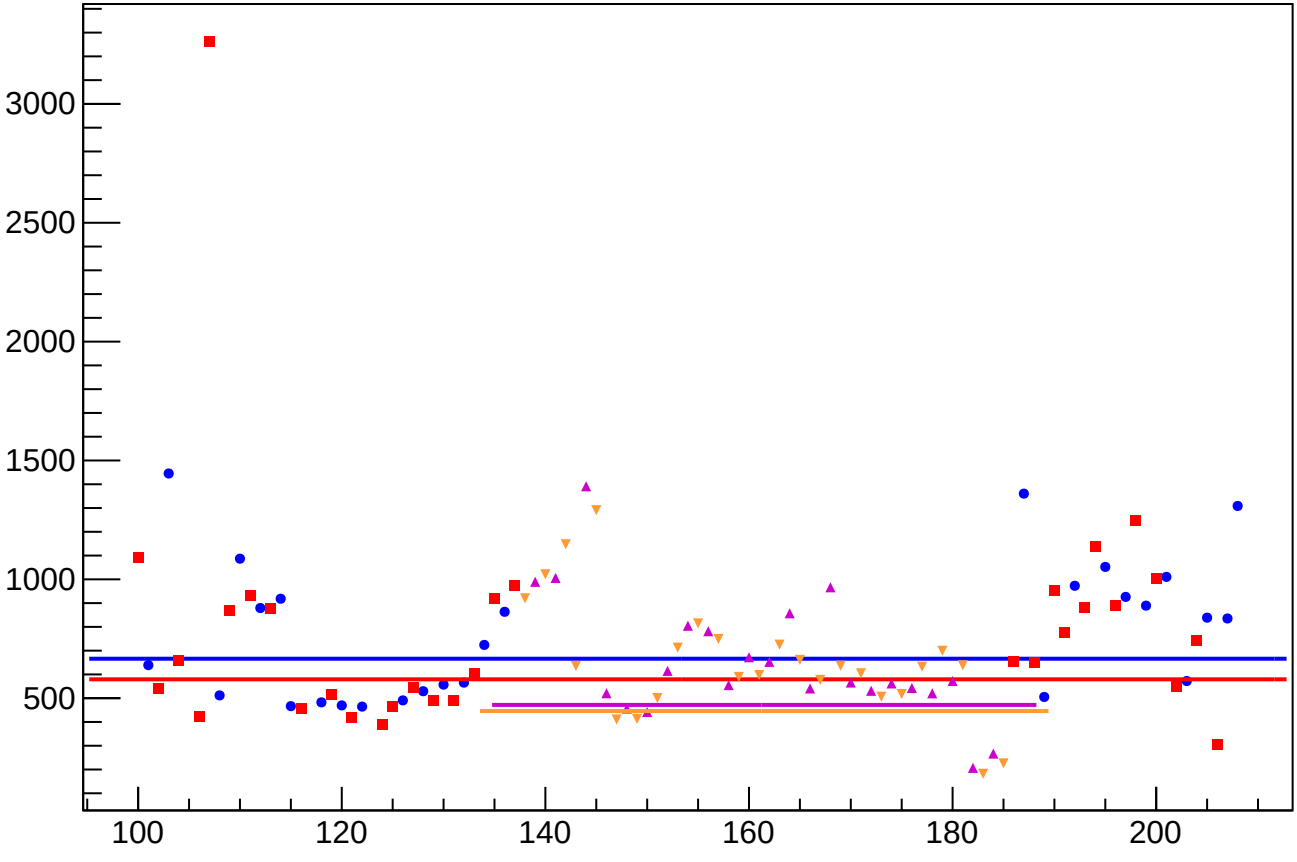
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -183.552+/-97.306 χ^2/NDF: 69.5/51

All: -46.526+/-69.172 χ^2/NDF: 122.7/105

- sign 93.463+/-98.352 χ^2/NDF: 49.2/53

asym_at1_avg_reg_correction_rms vs Slug



Right In: 666.054+/-0.128 χ^2/NDF: 2867127.8/26

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 579.396+/-0.116 χ^2/NDF: 3910394.3/30

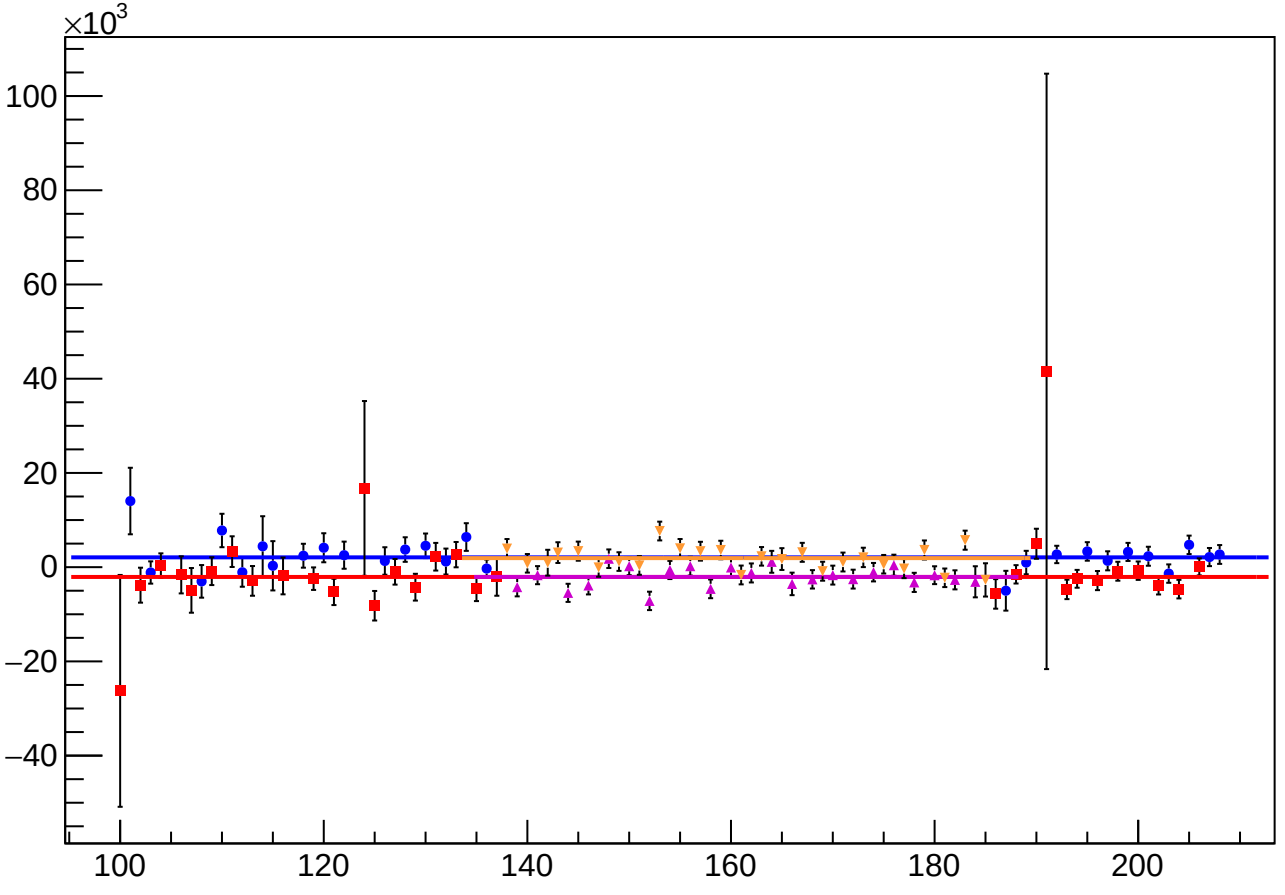
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 509.237+/-0.069 χ^2/NDF: 12947828.9/51

All: 509.724+/-0.049 χ^2/NDF: 23822519.3/10

- sign 510.220+/-0.070 χ^2/NDF: 10874589.5/53

cor_asym_at1_avg_mean vs Slug



Right In: 2082.588+/-475.563 χ^2/NDF: 25.5/26

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2077.097+/-476.498 χ^2/NDF: 31.9/30

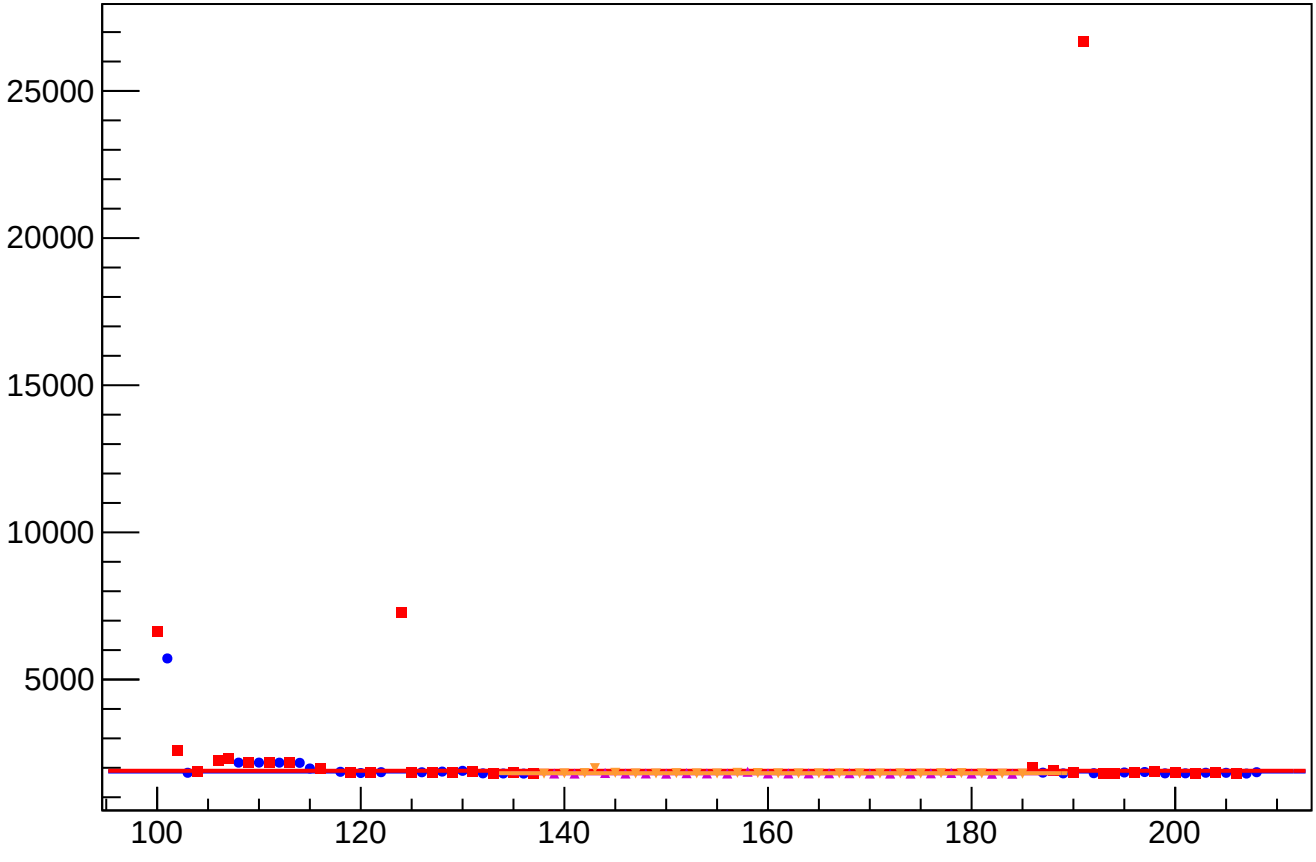
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1990.221+/-311.788 χ^2/NDF: 58.1/51

All: -12.674+/-222.087 χ^2/NDF: 200.3/105

- sign -2075.537+/-316.421 χ^2/NDF: 58.4/53

cor_asym_at1_avg_rms vs Slug



Right In: 1873.173+/-0.336 χ^2/NDF: 665564.8/26

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1899.226+/-0.337 χ^2/NDF: 738028.5/30

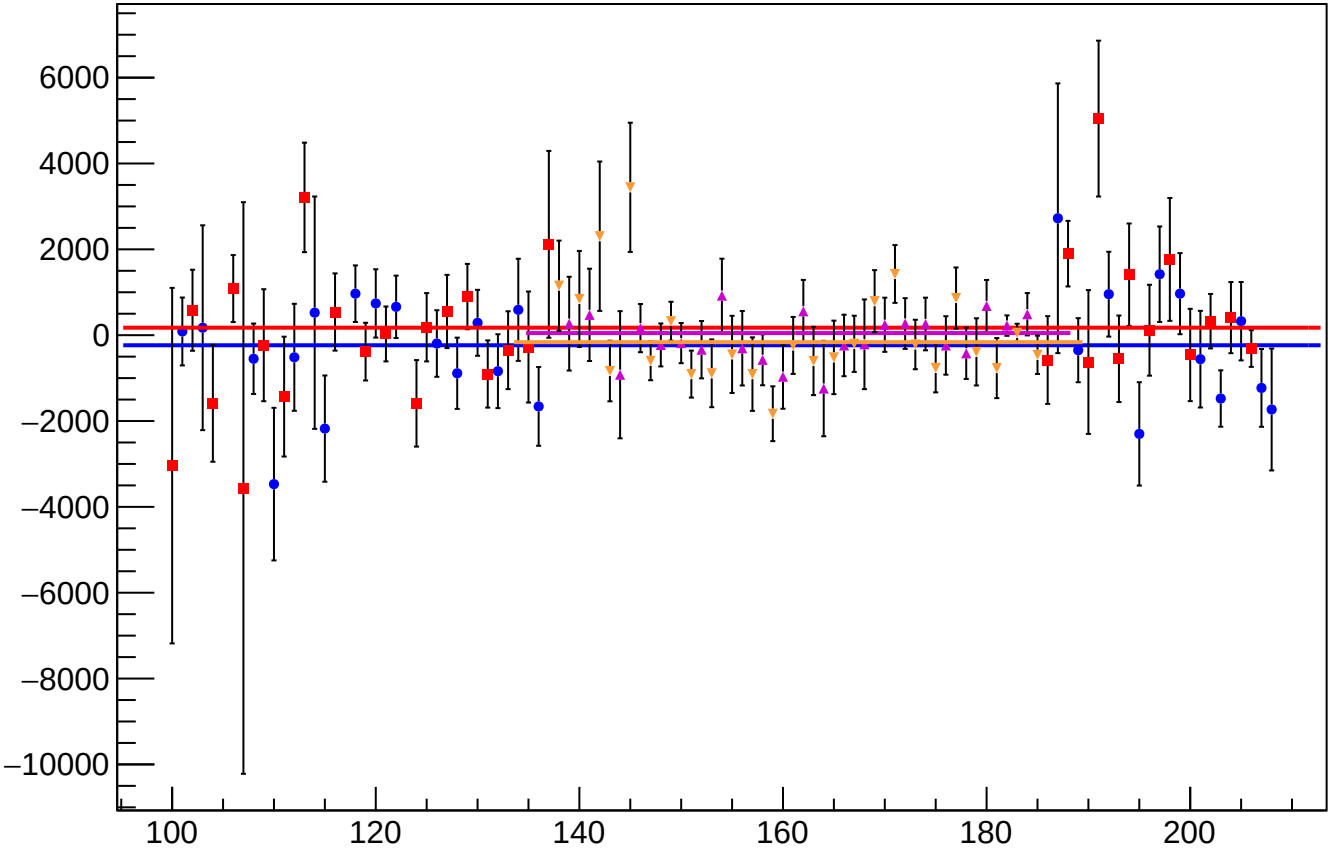
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1841.444+/-0.220 χ^2/NDF: 694134.7/51

All: 1846.038+/-0.157 χ^2/NDF: 1472056.4/10

- sign 1850.769+/-0.224 χ^2/NDF: 777040.5/53

asym_at1_avg_cor_correction_mean vs Slug



Right In: -234.903+/-181.383 χ^2/NDF: 32.5/26

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 174.717+/-164.451 χ^2/NDF: 37.1/30

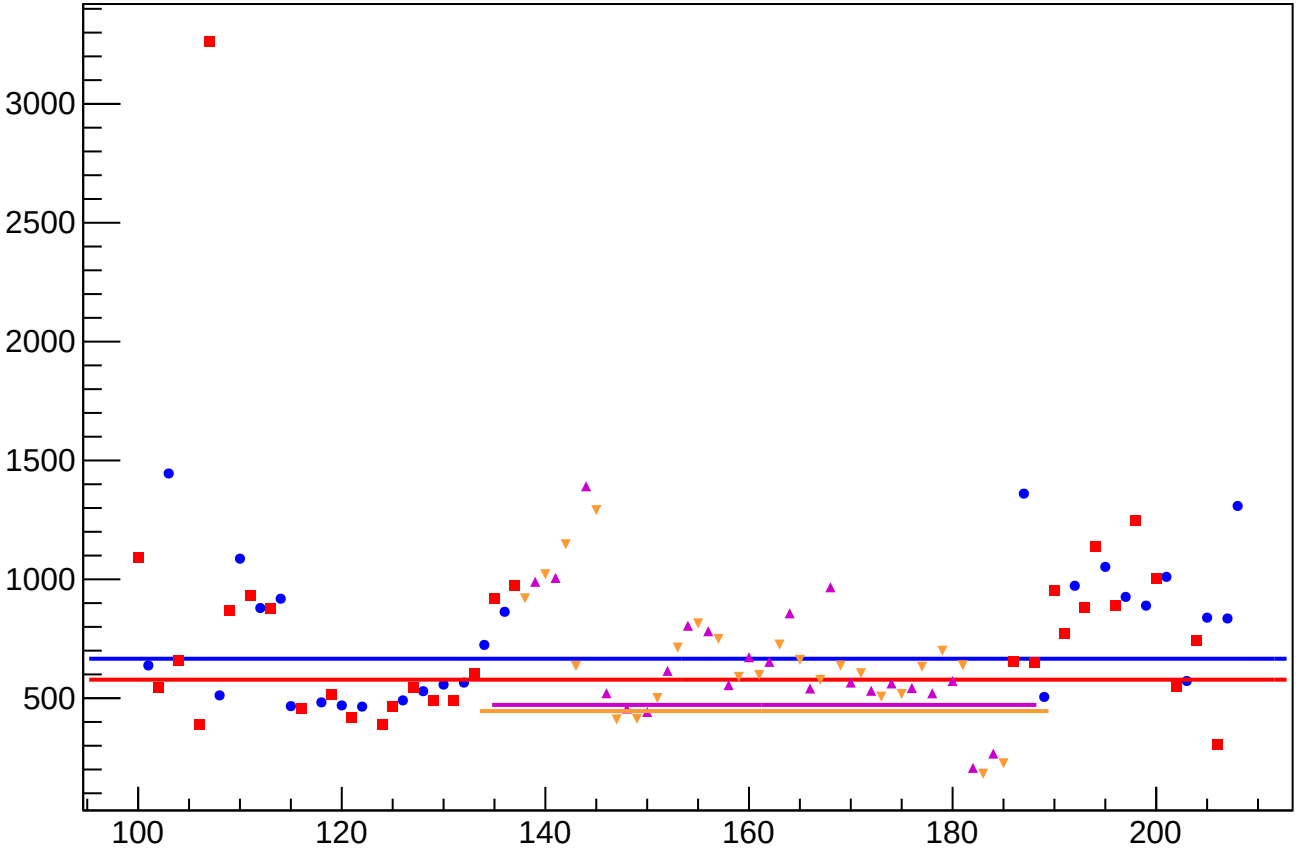
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -183.627+/-97.300 χ^2/NDF: 69.5/51

All: -46.213+/-69.166 χ^2/NDF: 122.4/105

- sign 94.154+/-98.340 χ^2/NDF: 48.8/53

asym_at1_avg_cor_correction_rms vs Slug



Right In: 665.976+/-0.128 χ^2/NDF: 2867440.4/26

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

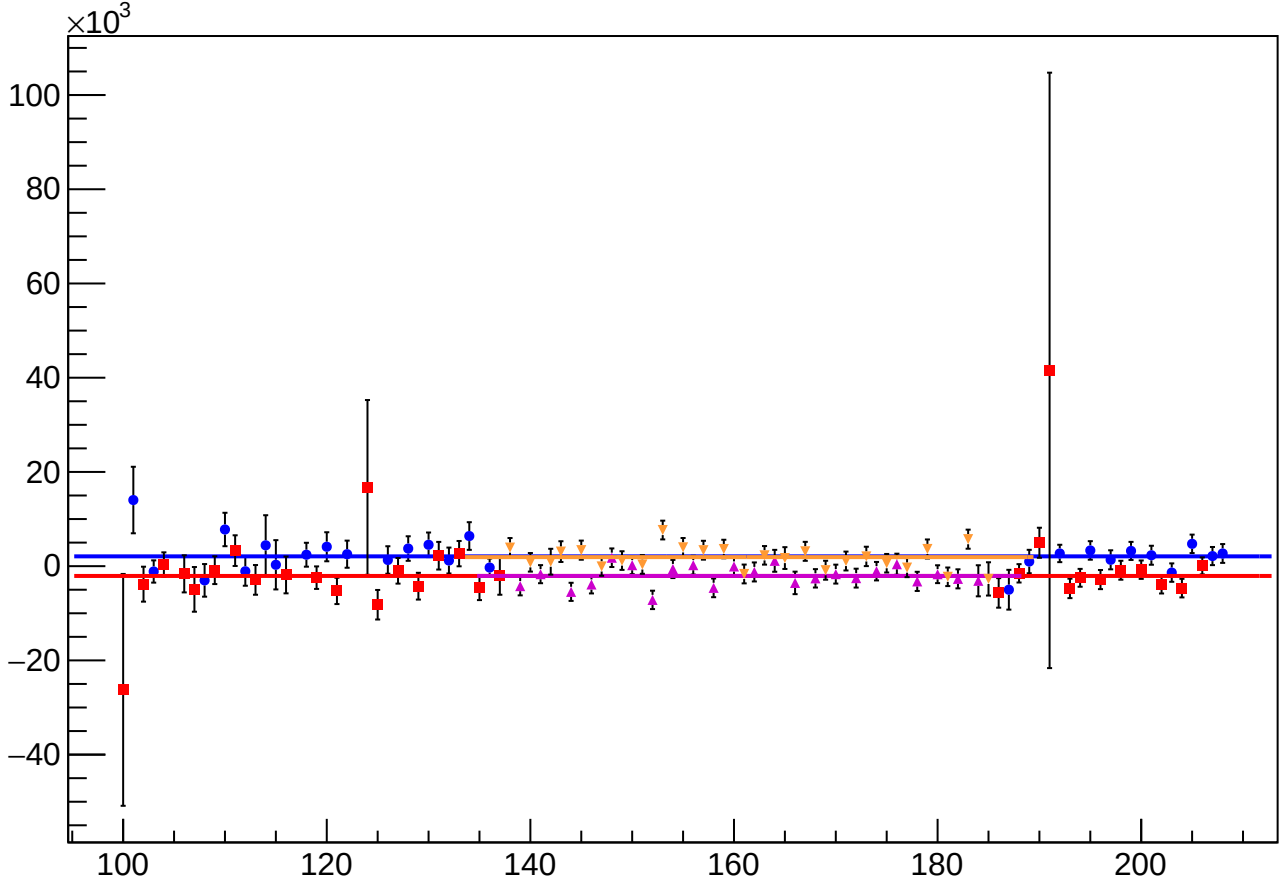
Right Out: 577.922+/-0.116 χ^2/NDF: 3949059.4/30

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 509.205+/-0.069 χ^2/NDF: 12948989.2/51

All: 509.460+/-0.049 χ^2/NDF: 23847229.2/10

- sign 509.721+/-0.070 χ^2/NDF: 10898212.3/53



Right In: 2082.588+/-475.563 χ^2/NDF: 25.5/26

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2077.097+/-476.498 χ^2/NDF: 31.9/30

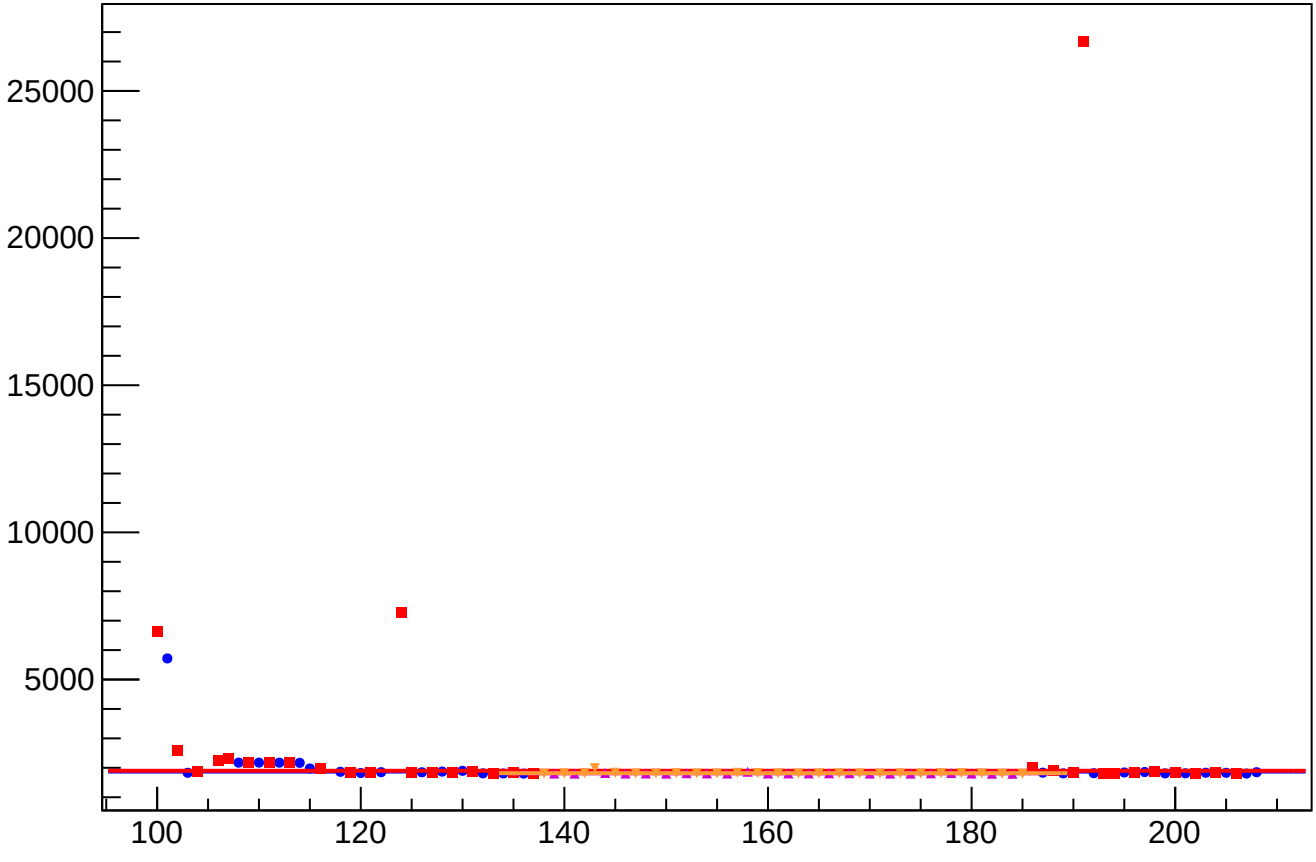
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1990.221+/-311.788 χ^2/NDF: 58.1/51

All: -12.674+/-222.087 χ^2/NDF: 200.3/105

- sign -2075.537+/-316.421 χ^2/NDF: 58.4/53

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1873.173+/-0.336 χ^2/NDF: 665564.8/26

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1899.226+/-0.337 χ^2/NDF: 738028.5/30

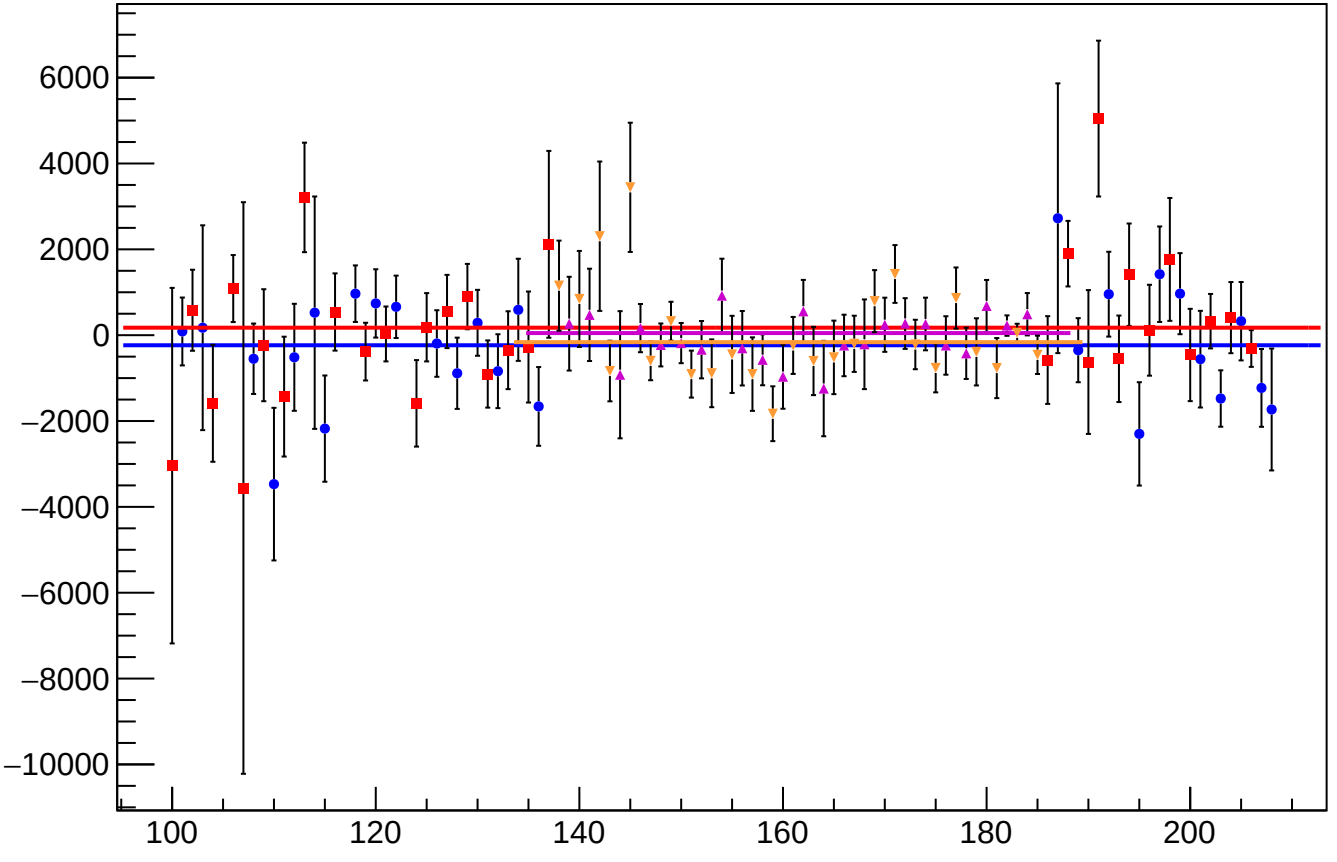
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1841.444+/-0.220 χ^2/NDF: 694134.7/51

All: 1846.038+/-0.157 χ^2/NDF: 1472056.4/10

- sign 1850.769+/-0.224 χ^2/NDF: 777040.5/53

asym_at1_avg_eigen_cor_correction_mean vs Slug



Right In: -234.903+/-181.383 χ^2/NDF: 32.5/26

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 174.717+/-164.451 χ^2/NDF: 37.1/30

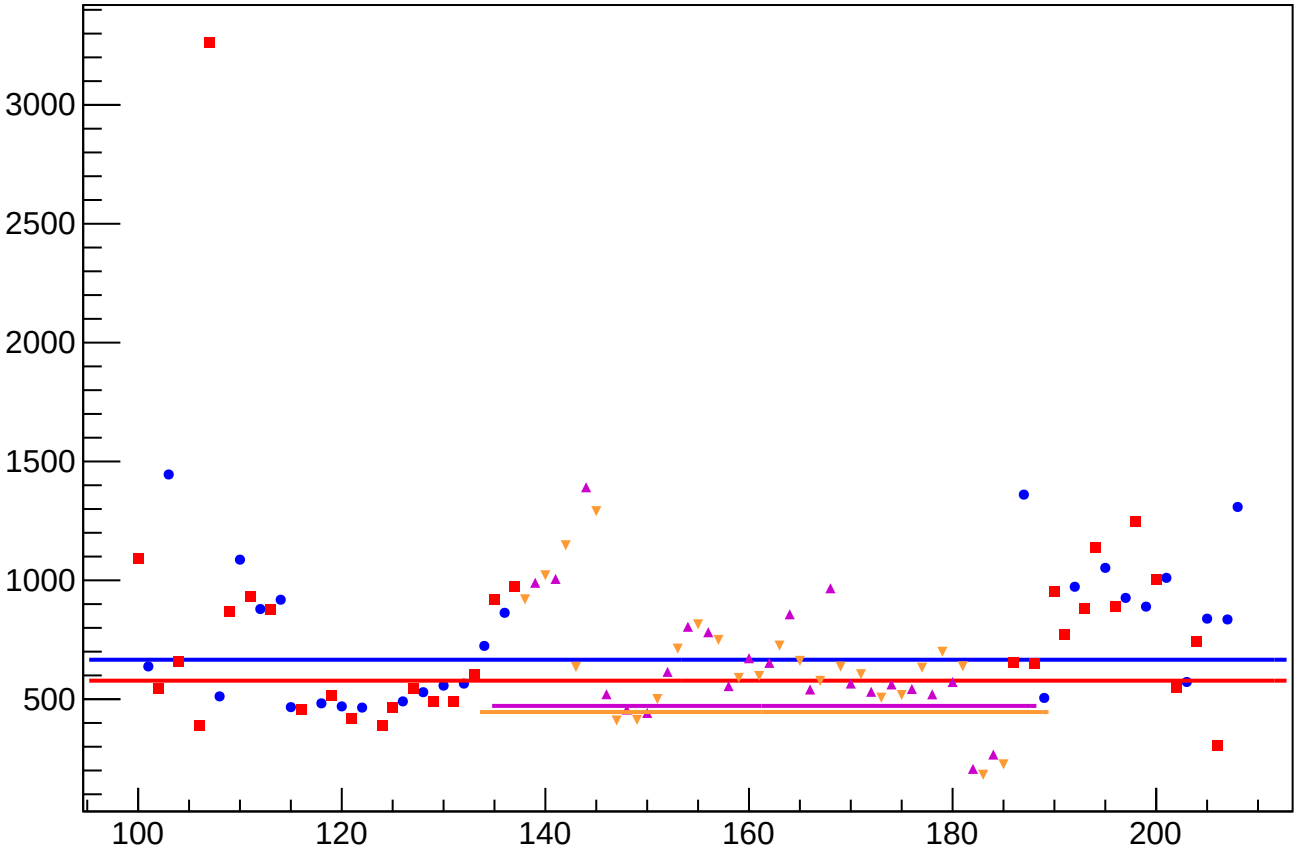
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -183.627+/-97.300 χ^2/NDF: 69.5/51

All: -46.213+/-69.166 χ^2/NDF: 122.4/105

- sign 94.154+/-98.340 χ^2/NDF: 48.8/53

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 665.976+/-0.128 χ^2/NDF: 2867440.4/26

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 577.922+/-0.116 χ^2/NDF: 3949059.4/30

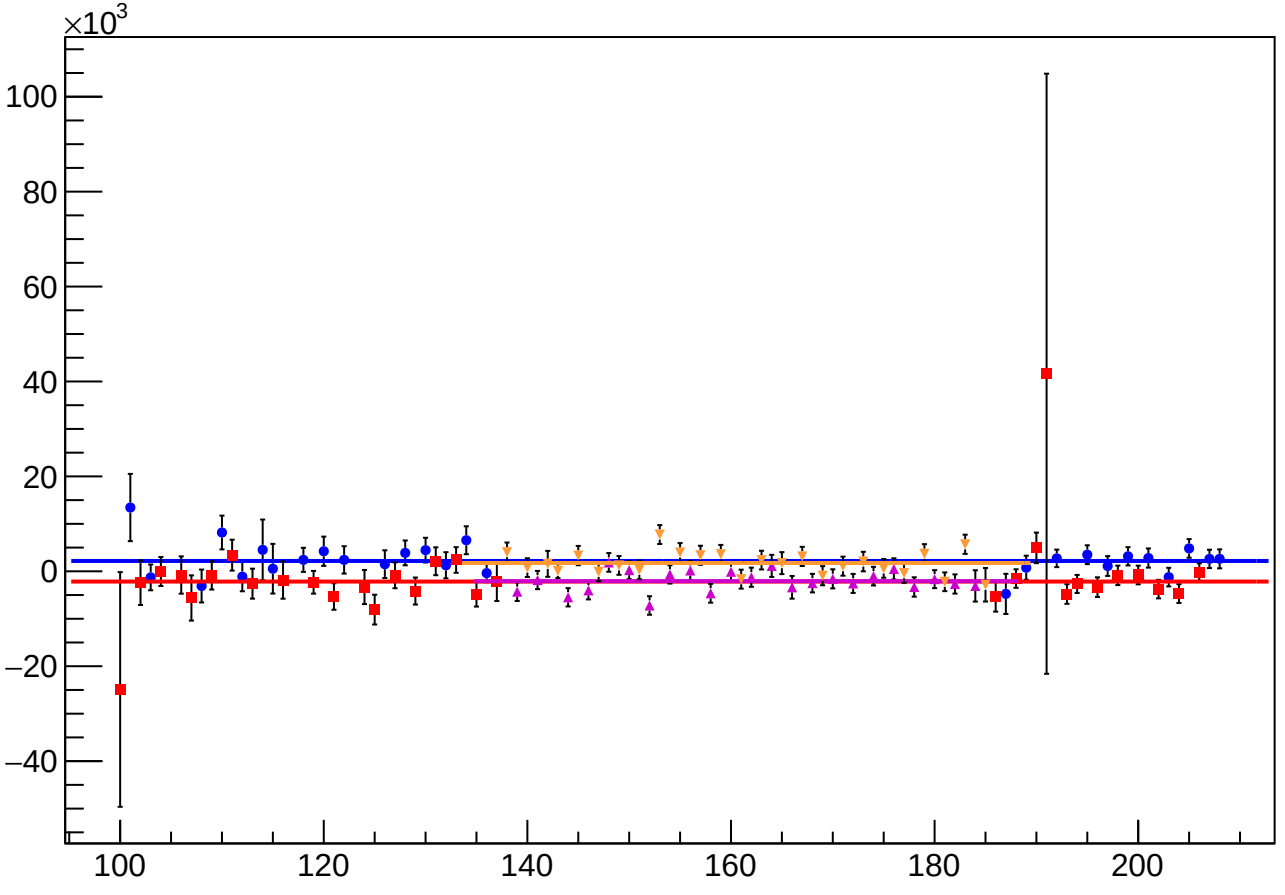
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 509.205+/-0.069 χ^2/NDF: 12948989.2/51

All: 509.460+/-0.049 χ^2/NDF: 23847229.2/10

- sign 509.721+/-0.070 χ^2/NDF: 10898212.3/53

dit_asym_at1_avg_mean vs Slug



Right In: 2178.618+/-480.324 χ^2/NDF: 25.6/26

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2160.635+/-479.052 χ^2/NDF: 29.7/30

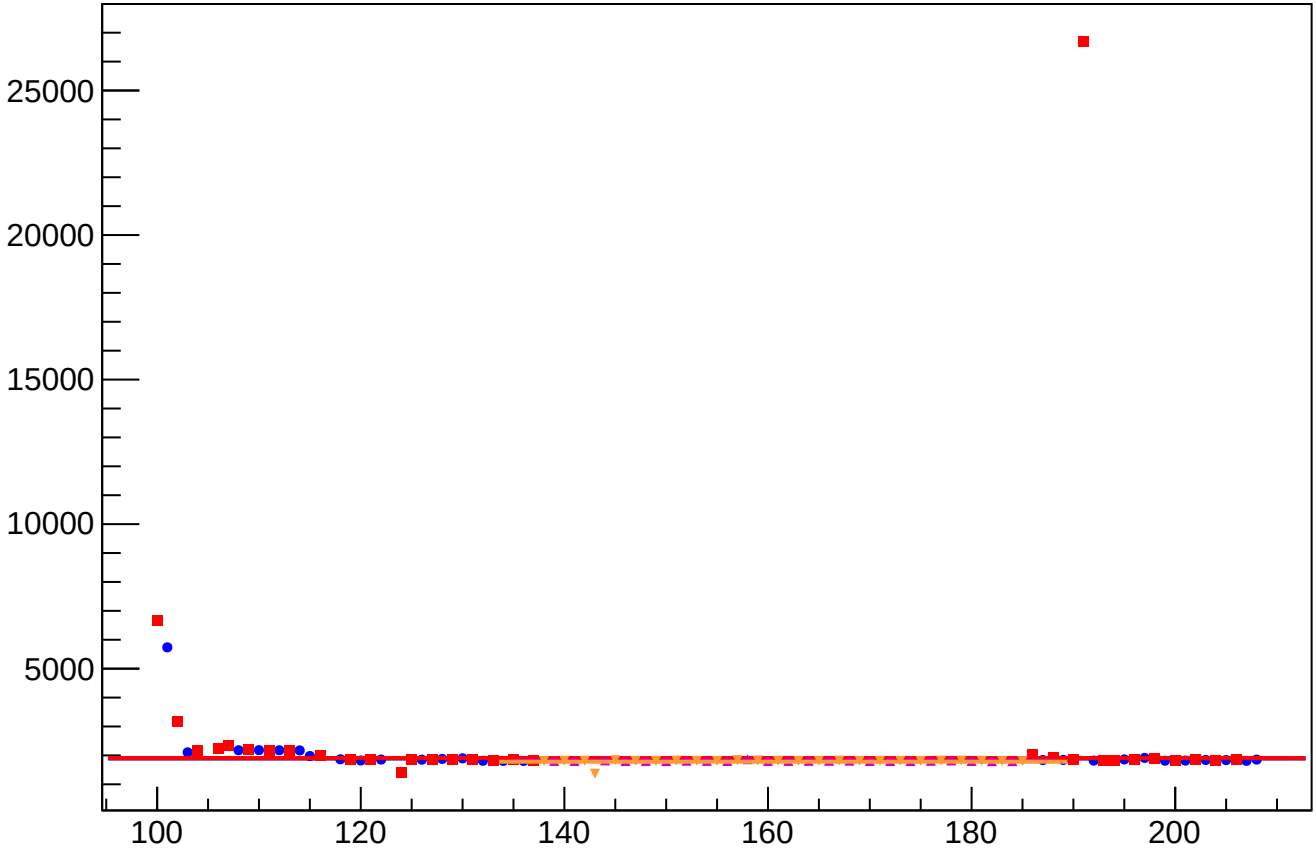
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1931.518+/-309.804 χ^2/NDF: 59.8/51

All: -41.435+/-221.685 χ^2/NDF: 199.6/105

- sign -2111.706+/-317.353 χ^2/NDF: 56.7/53

dit_asym_at1_avg_rms vs Slug



Right In: 1891.358+/-0.340 χ^2/NDF: 676023.6/26

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1907.899+/-0.339 χ^2/NDF: 691342.0/30

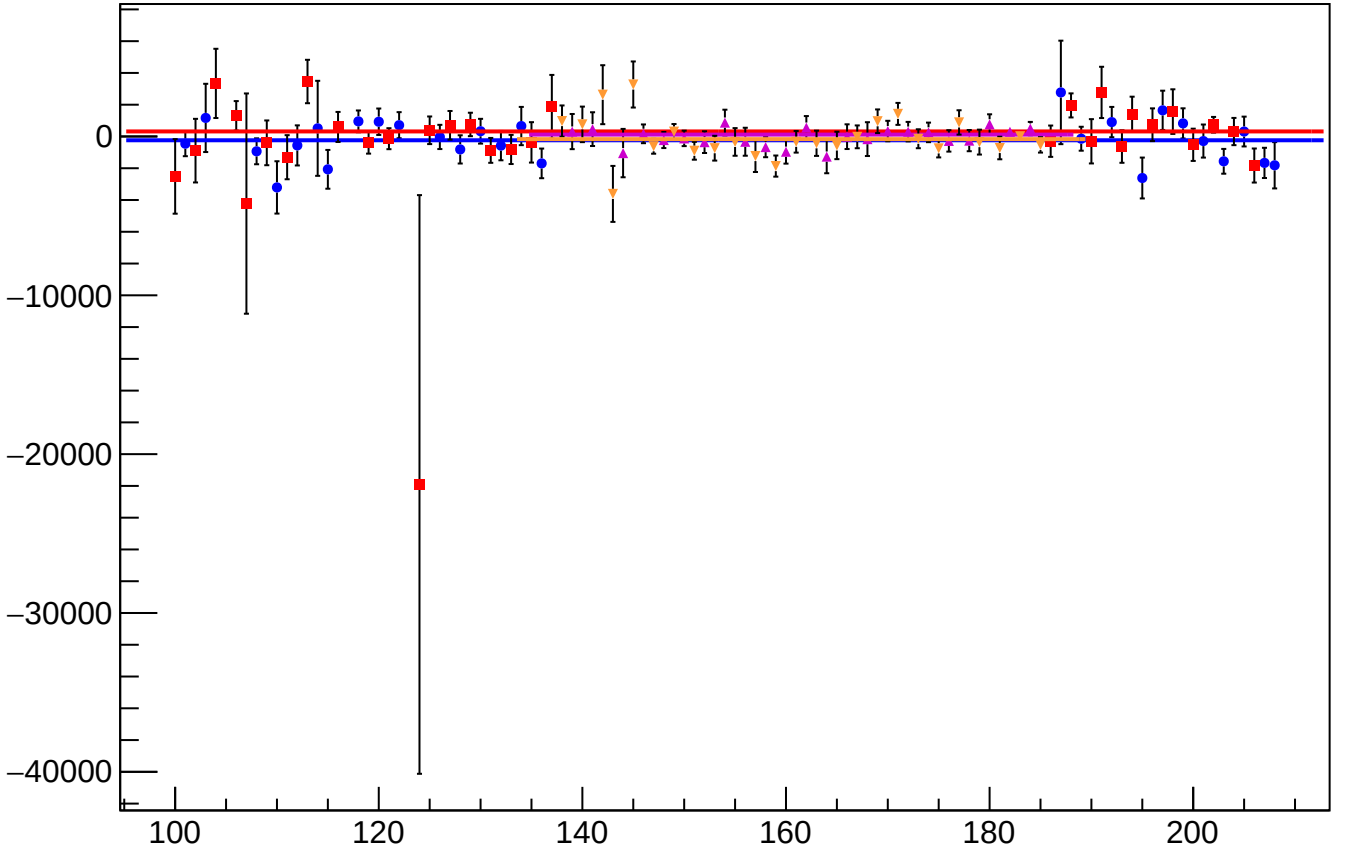
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.859+/-0.219 χ^2/NDF: 902712.9/51

All: 1840.811+/-0.157 χ^2/NDF: 1647182.4/10

- sign 1855.452+/-0.224 χ^2/NDF: 736156.9/53

asym_at1_avg_dit_correction_mean vs Slug



Right In: -239.369+/-187.595 χ^2/NDF: 33.3/26

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 317.446+/-179.178 χ^2/NDF: 36.4/30

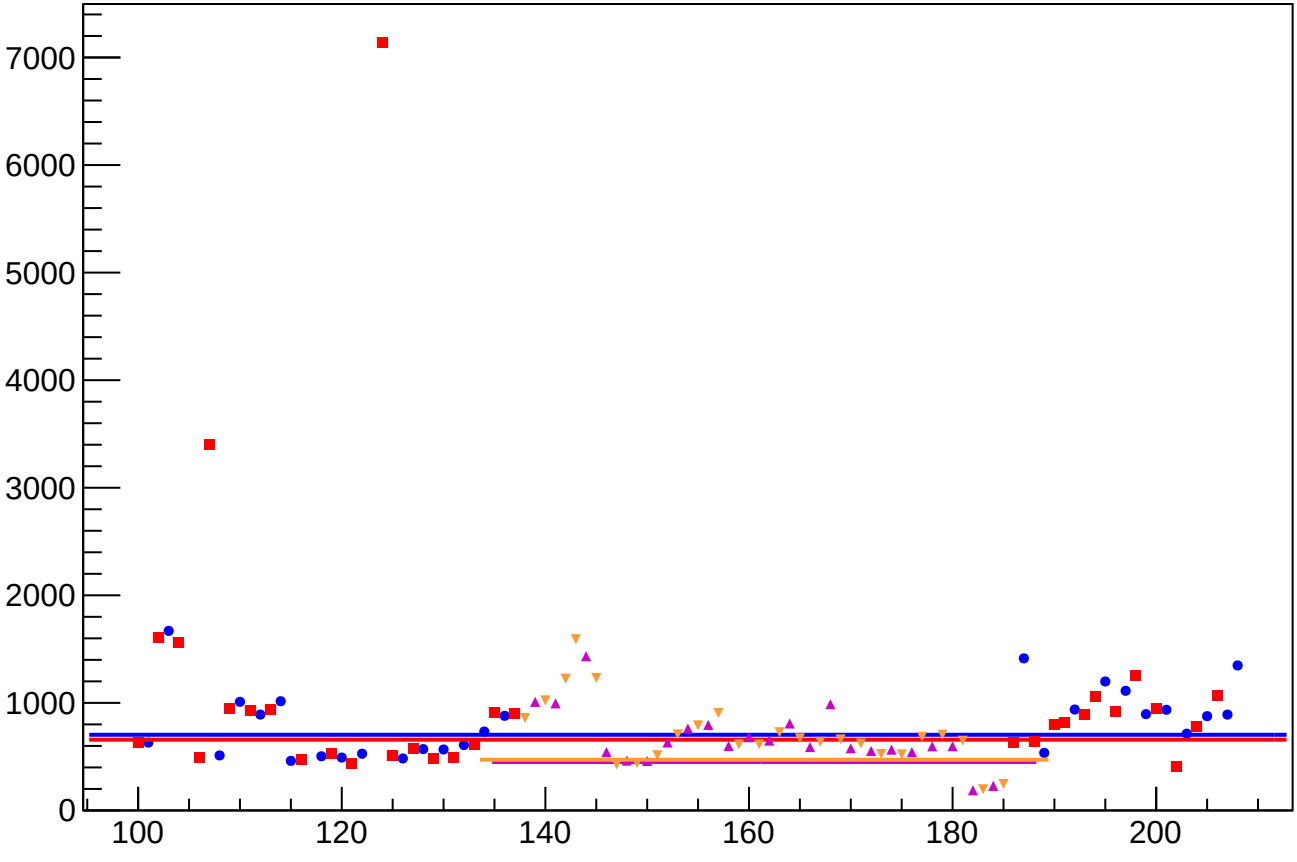
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -189.058+/-102.055 χ^2/NDF: 71.7/51

All: -0.475+/-71.271 χ^2/NDF: 127.9/105

- sign 179.050+/-99.574 χ^2/NDF: 49.5/53

asym_at1_avg_dit_correction_rms vs Slug



Right In: 703.509+/-0.133 χ^2/NDF: 3055008.6/26

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 657.899+/-0.127 χ^2/NDF: 4347373.6/30

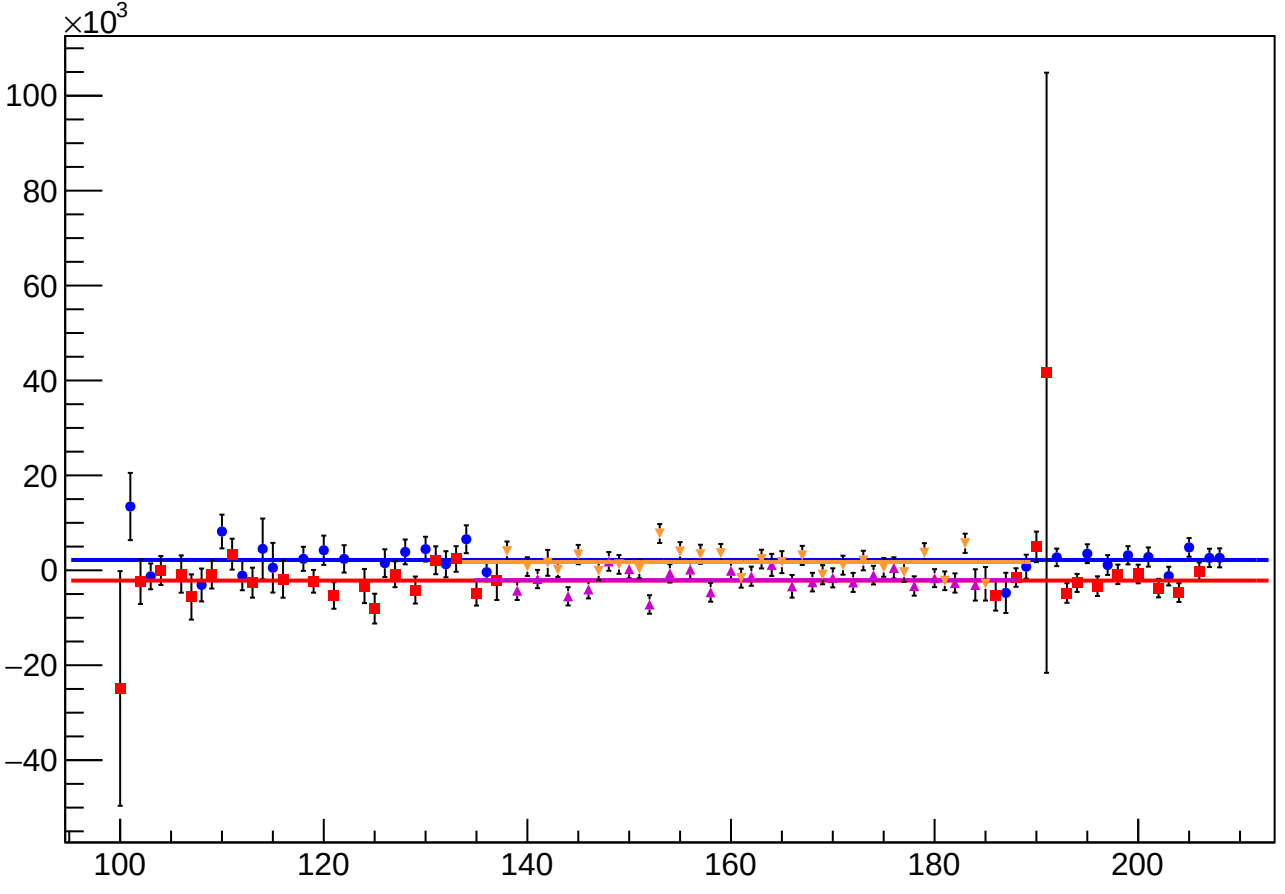
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 540.359+/-0.072 χ^2/NDF: 13316296.1/51

All: 527.192+/-0.050 χ^2/NDF: 27506352.5/10

- sign 514.657+/-0.070 χ^2/NDF: 14125066.4/53

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2178.616+/-480.324 χ^2/NDF: 25.6/26

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2160.634+/-479.051 χ^2/NDF: 29.7/30

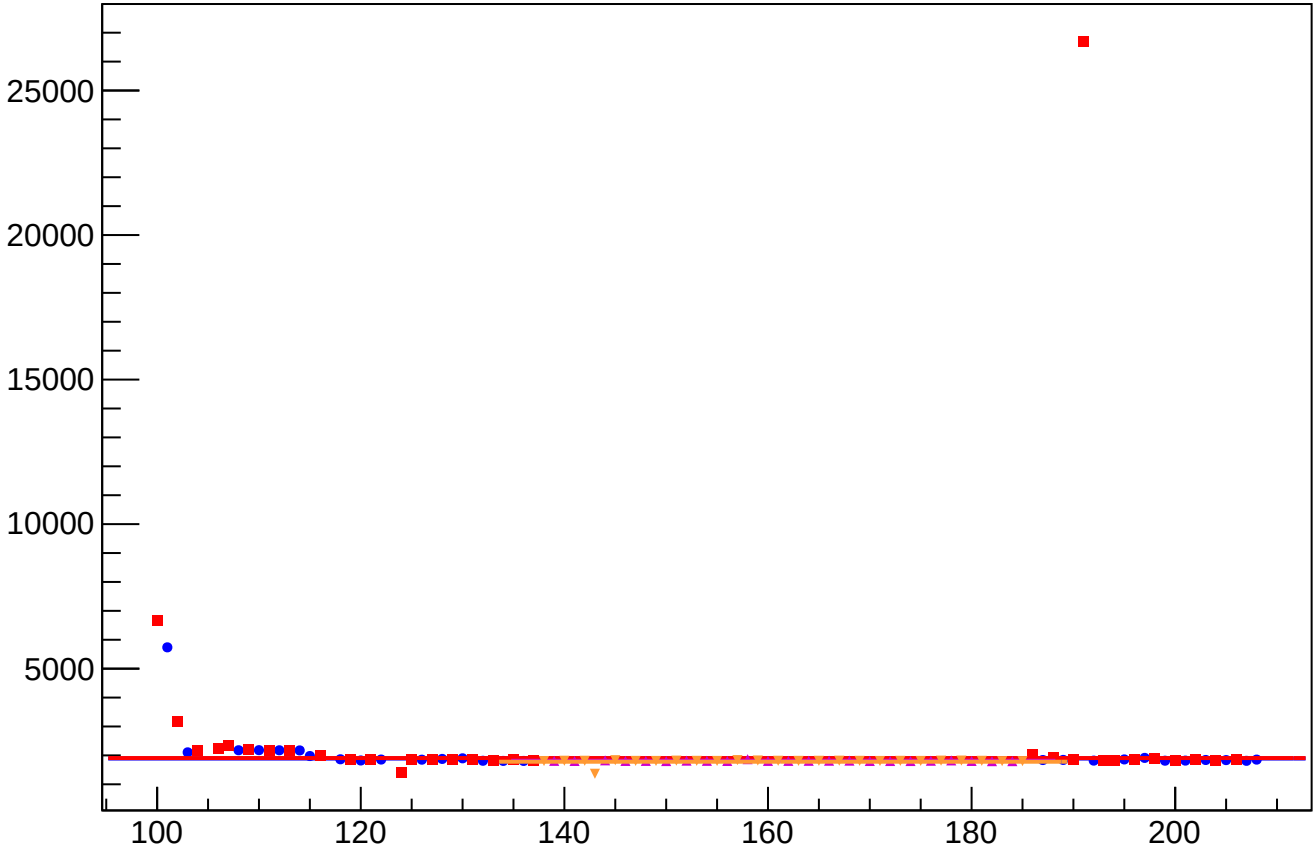
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1931.517+/-309.804 χ^2/NDF: 59.8/51

All: -41.435+/-221.685 χ^2/NDF: 199.6/105

- sign -2111.706+/-317.353 χ^2/NDF: 56.7/53

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1891.358+/-0.340 χ^2/NDF: 676023.2/26

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1907.899+/-0.339 χ^2/NDF: 691340.6/30

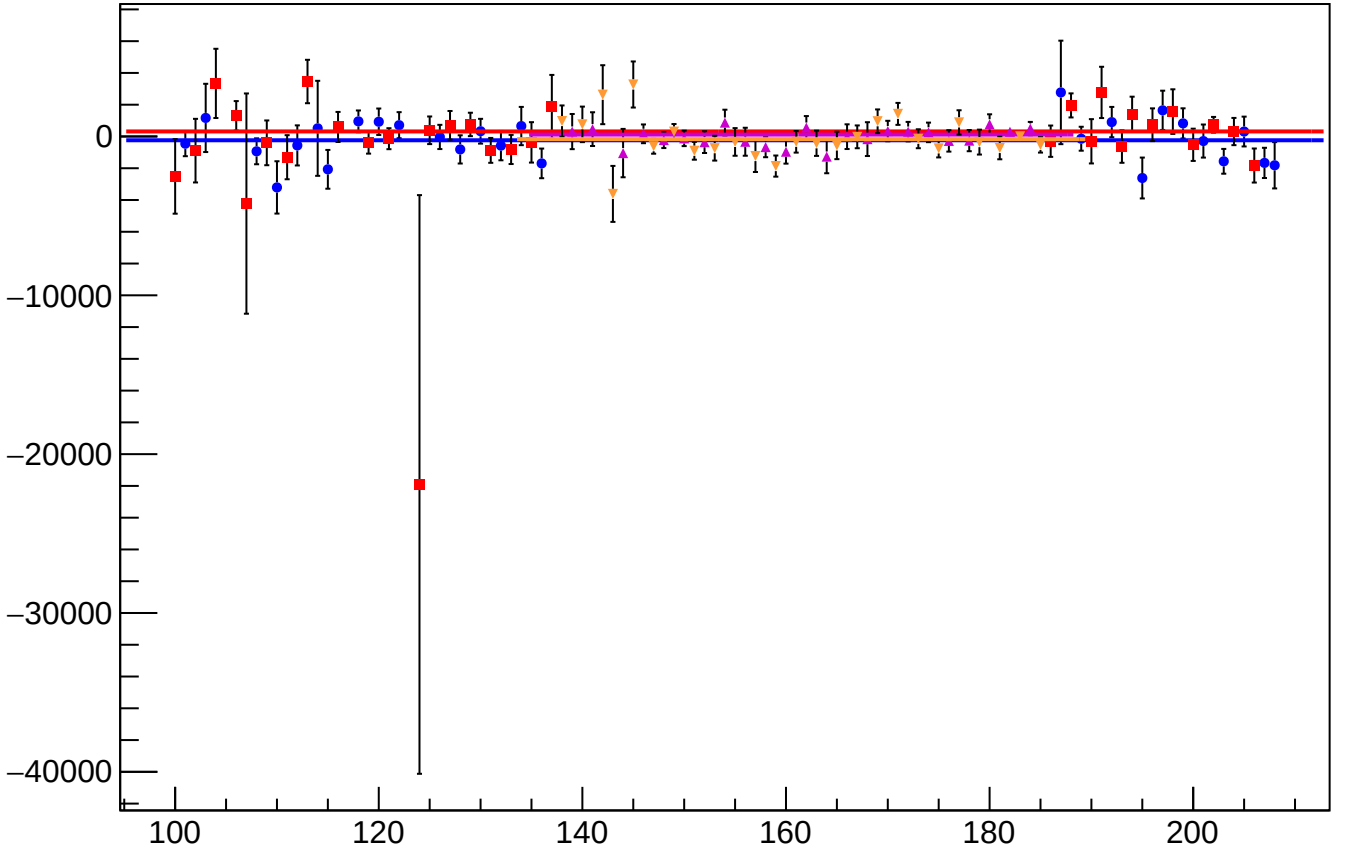
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.859+/-0.219 χ^2/NDF: 902712.3/51

All: 1840.811+/-0.157 χ^2/NDF: 1647180.4/10

- sign 1855.452+/-0.224 χ^2/NDF: 736155.4/53

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -239.369+/-187.595 χ^2/NDF: 33.3/26

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 317.446+/-179.178 χ^2/NDF: 36.4/30

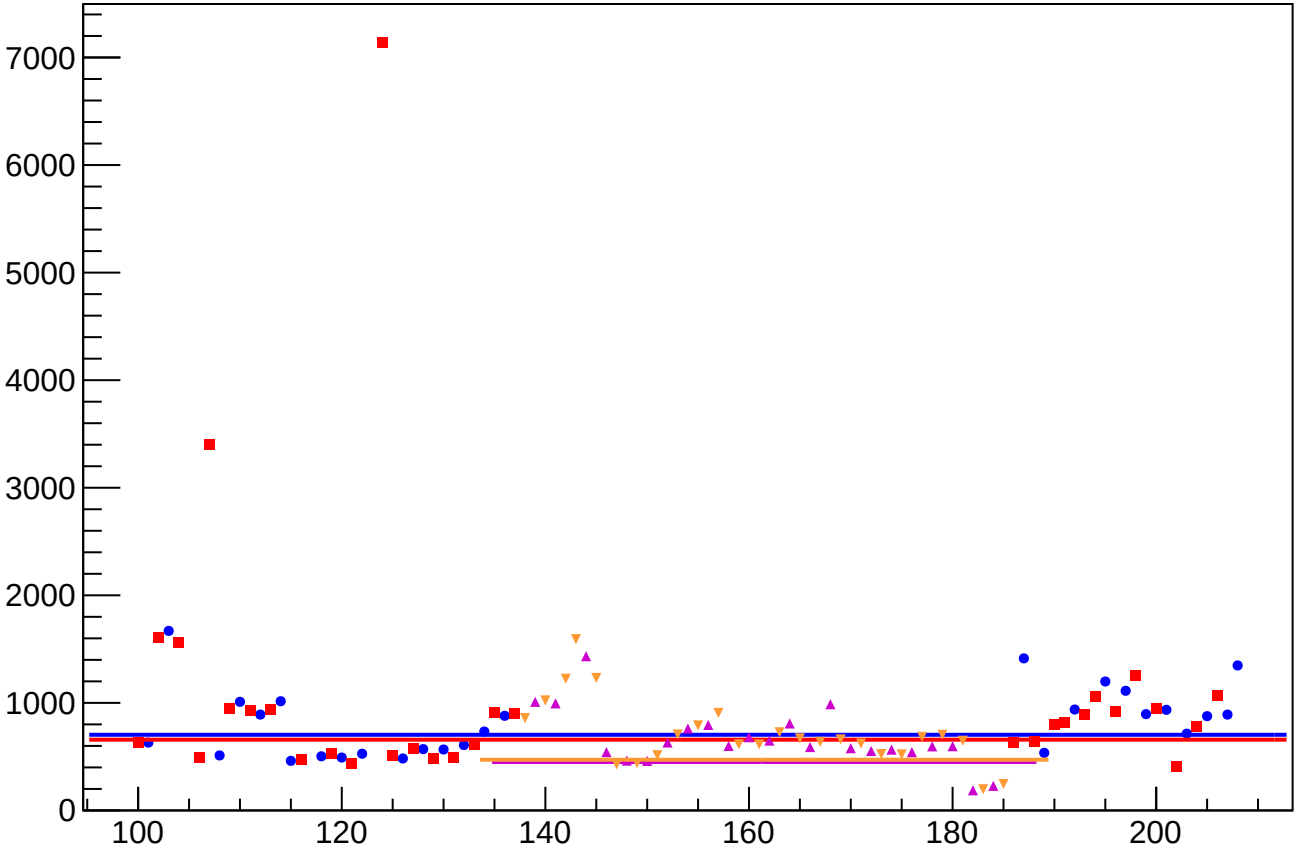
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -189.058+/-102.055 χ^2/NDF: 71.7/51

All: -0.475+/-71.271 χ^2/NDF: 127.9/105

- sign 179.051+/-99.574 χ^2/NDF: 49.5/53

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 703.509+/-0.133 χ^2/NDF: 3055034.9/26

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 657.899+/-0.127 χ^2/NDF: 4347384.6/30

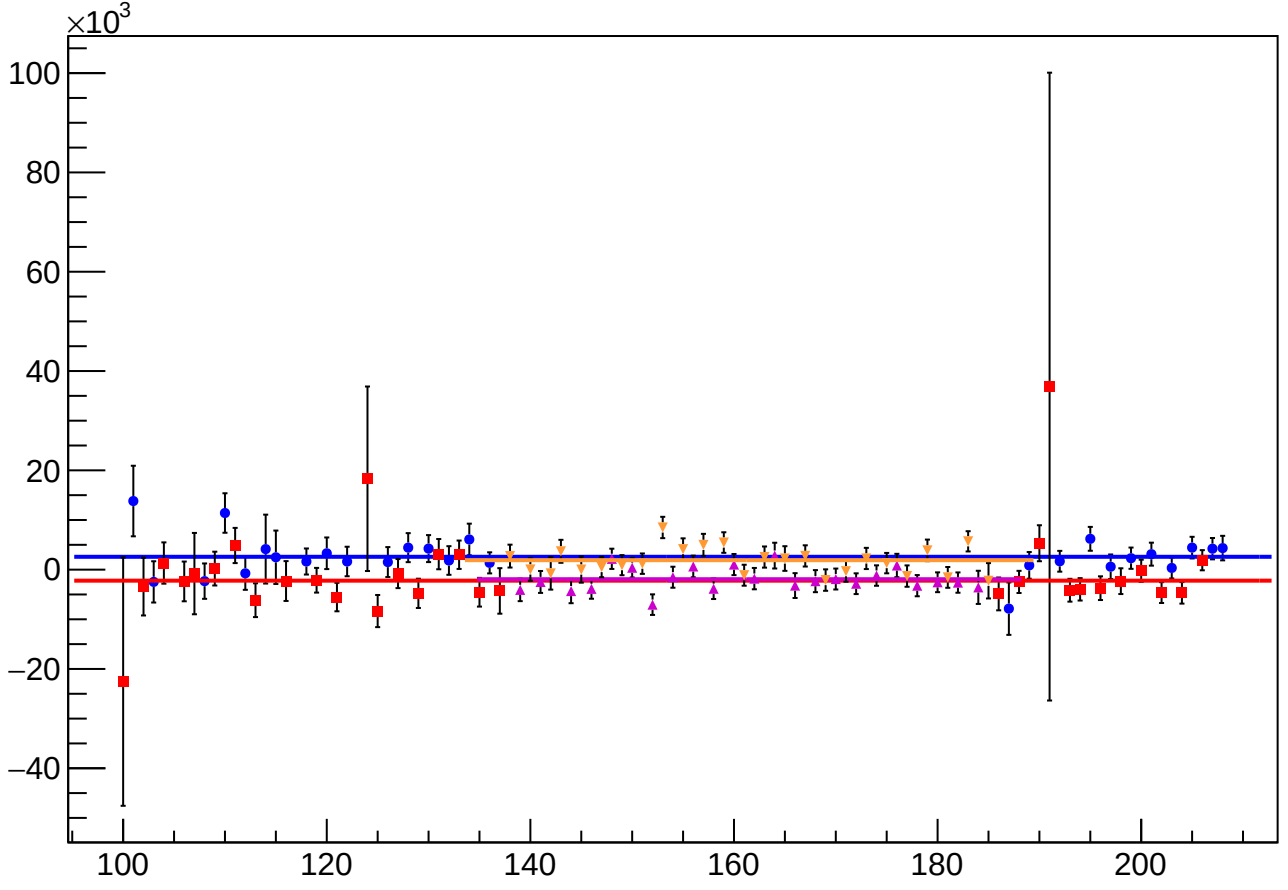
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 540.360+/-0.072 χ^2/NDF: 13316299.5/51

All: 527.192+/-0.050 χ^2/NDF: 27506332.9/10

- sign 514.657+/-0.070 χ^2/NDF: 14125045.1/53

asym_at1_avg_mean vs Slug



Right In: 2589.080+/-535.737 χ^2/NDF: 25.0/26

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -2217.896+/-538.111 χ^2/NDF: 36.3/30

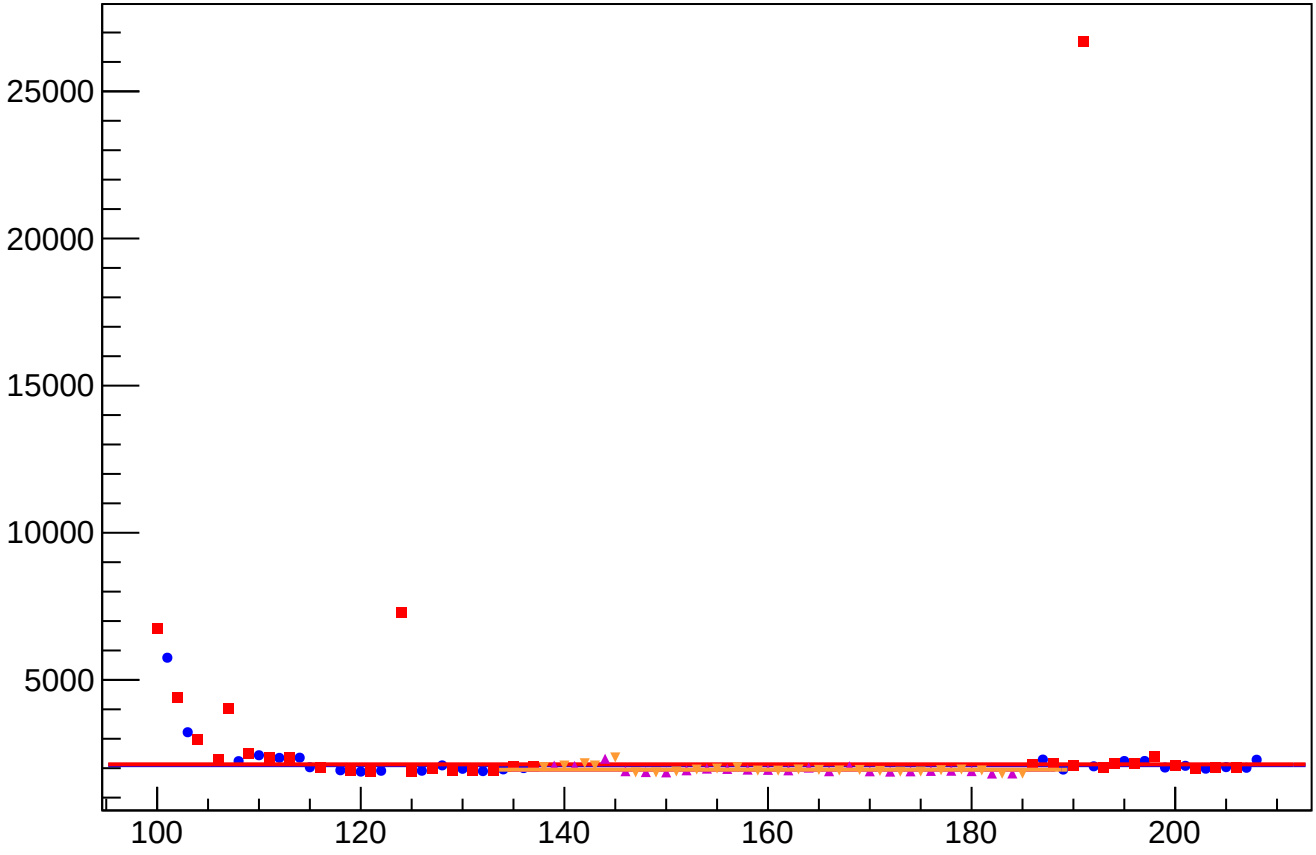
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2184.594+/-341.639 χ^2/NDF: 62.3/51

All: 103.631+/-243.583 χ^2/NDF: 198.9/105

- sign -2047.985+/-347.391 χ^2/NDF: 61.2/53

asym_at1_avg_rms vs Slug



Right In: 2103.096+/-0.379 χ^2/NDF: 809703.7/26

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2131.192+/-0.381 χ^2/NDF: 1178809.6/30

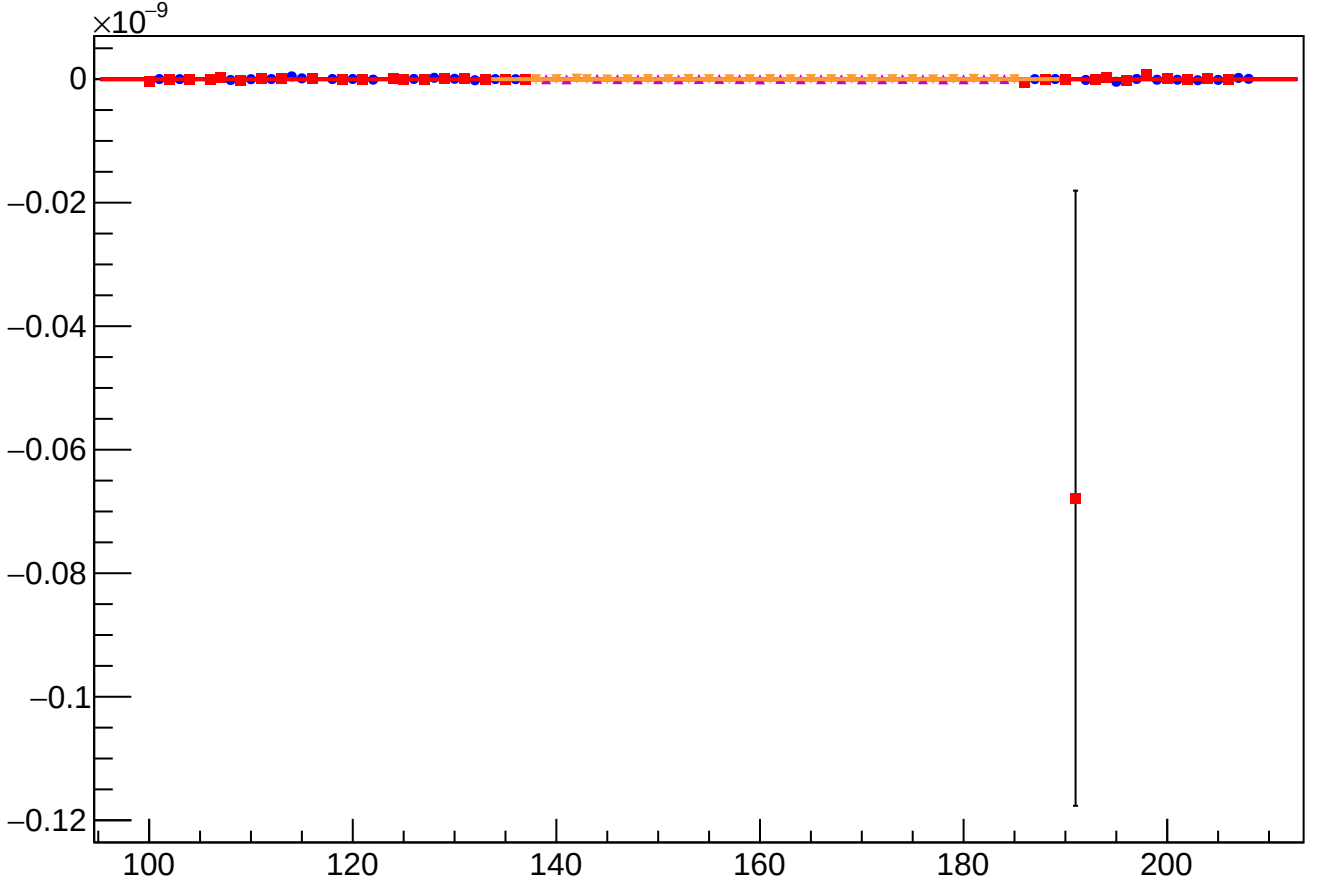
Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2011.666+/-0.242 χ^2/NDF: 1016403.9/51

All: 2017.079+/-0.172 χ^2/NDF: 2431645.2/10

- sign 2022.676+/-0.246 χ^2/NDF: 1414220.0/53

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 33.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/30

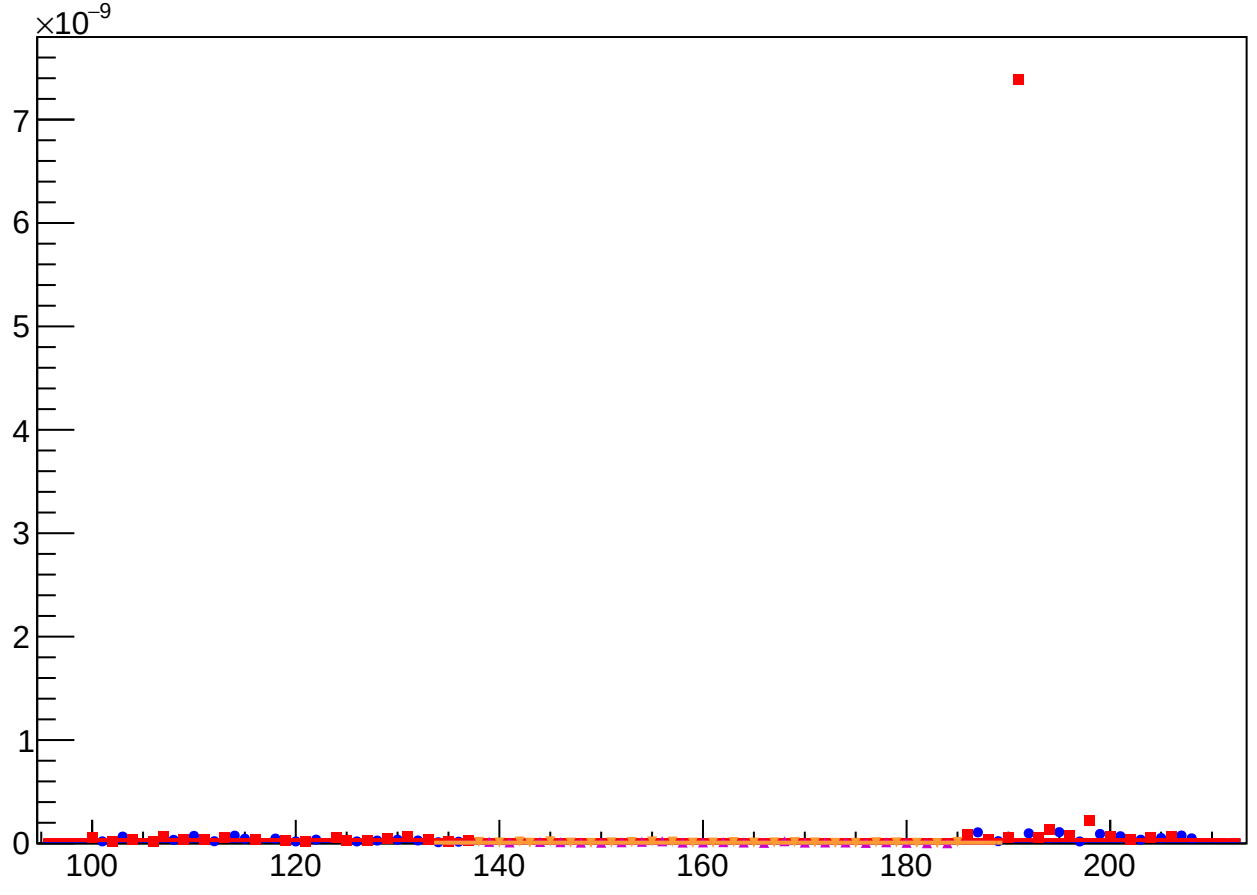
Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.3/51

All: 0.000+/-0.000 χ^2/NDF: 125.0/105

- sign 0.000+/-0.000 χ^2/NDF: 62.4/53

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3478351.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3033468.9/30

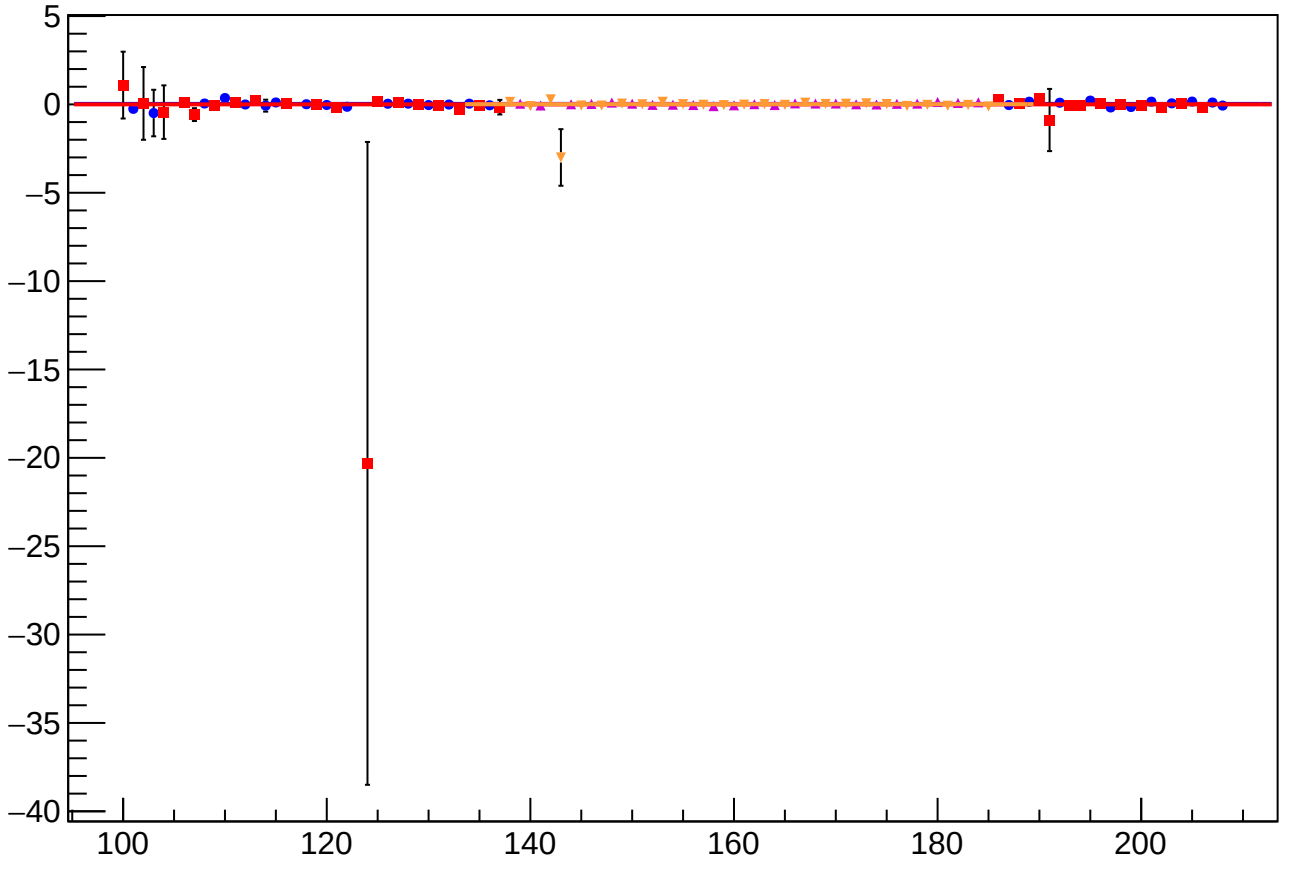
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9410433.7/51

All: 0.000+/-0.000 χ^2/NDF: 19882311.7/105

- sign 0.000+/-0.000 χ^2/NDF: 10470898.4/53

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.021 χ^2/NDF: 23.5/26

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.002+/-0.020 χ^2/NDF: 29.9/30

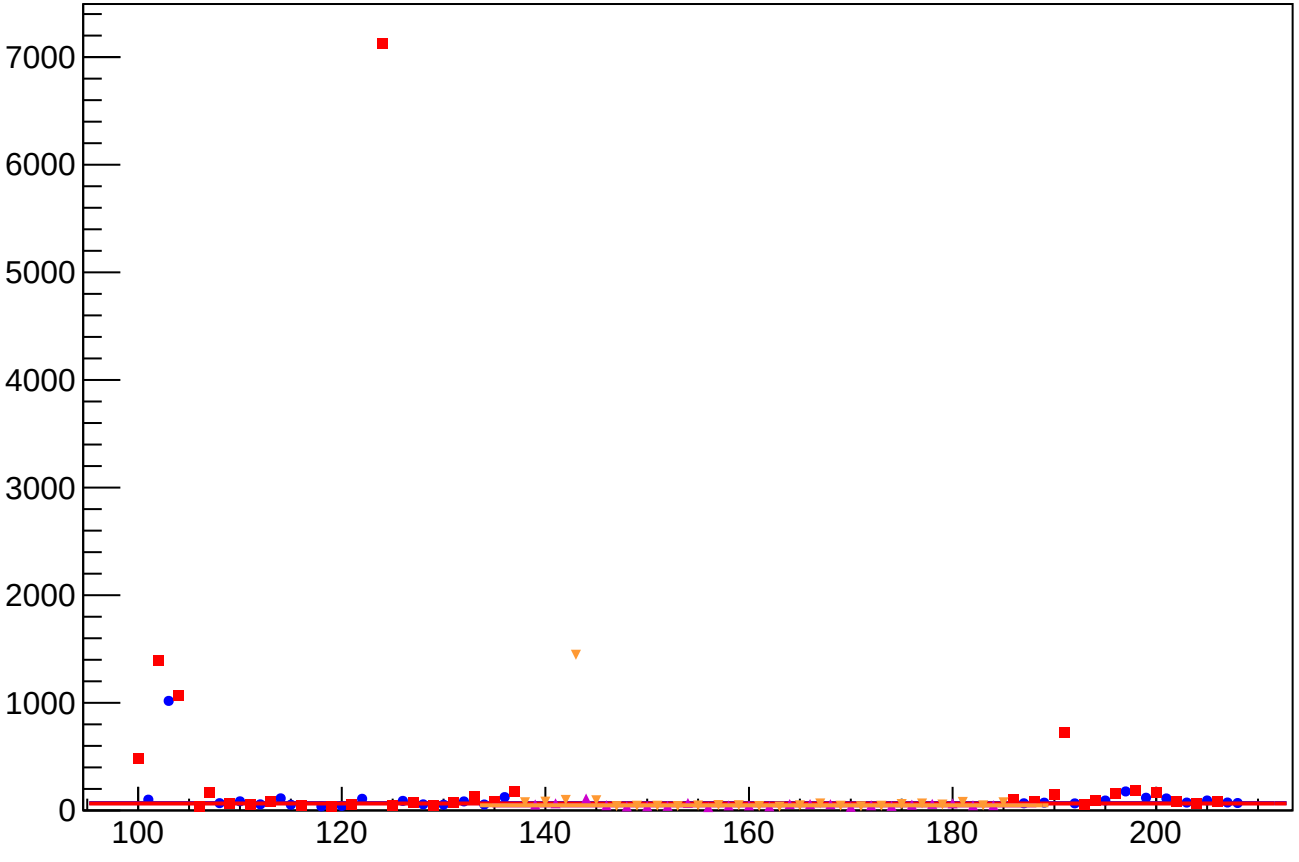
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.016+/-0.011 χ^2/NDF: 53.6/51

All: 0.015+/-0.007 χ^2/NDF: 104.2/105

- sign 0.014+/-0.011 χ^2/NDF: 50.7/53

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 68.431+/-0.015 χ^2/NDF: 3883382.5/26

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

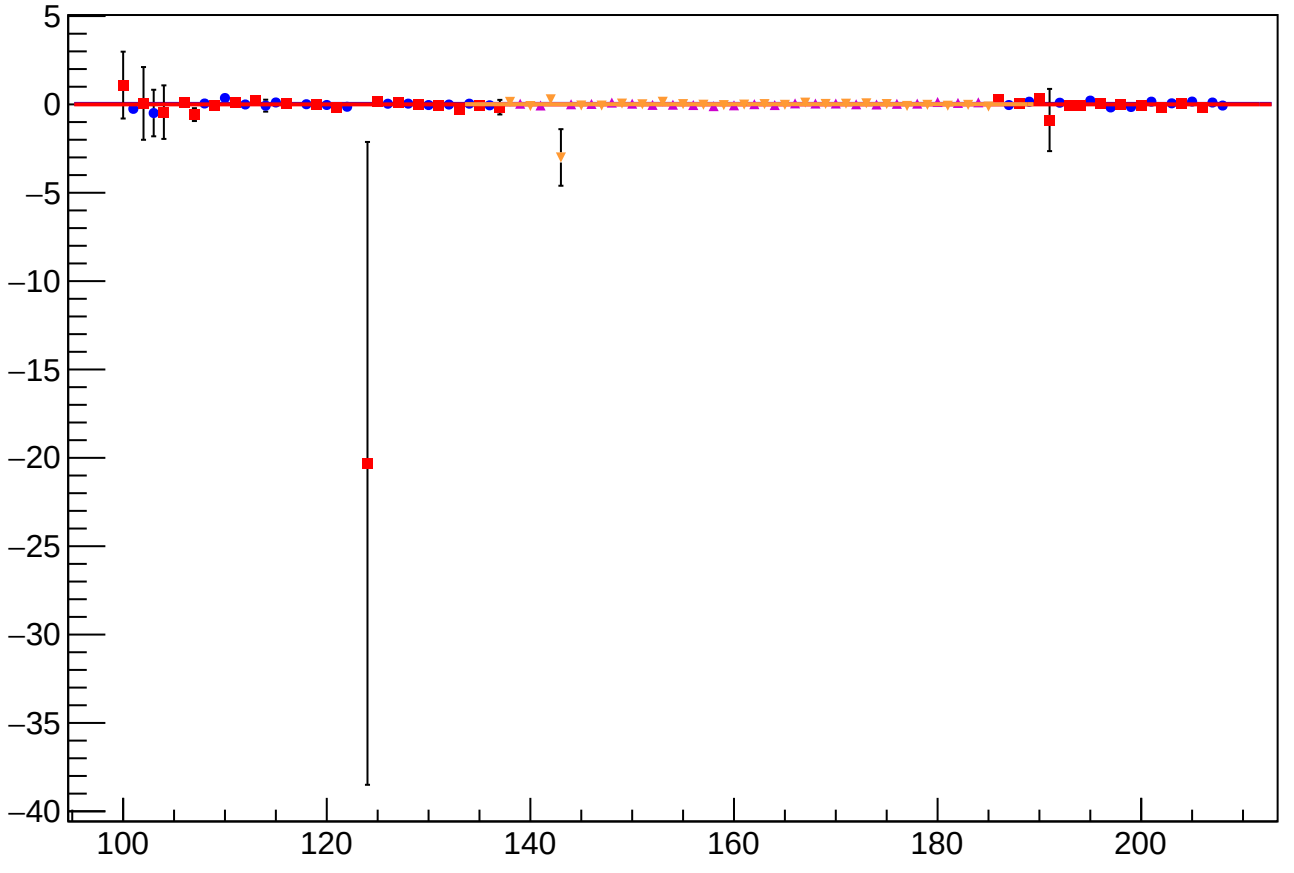
Right Out: 64.794+/-0.014 χ^2/NDF: 6223538.7/30

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 53.395+/-0.008 χ^2/NDF: 8837272.4/51

All: 52.456+/-0.005 χ^2/NDF: 18181224.6/105

- sign 51.540+/-0.007 χ^2/NDF: 9313186.6/53



Right In: 0.028+/-0.021 χ^2/NDF: 23.5/26

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.002+/-0.020 χ^2/NDF: 29.9/30

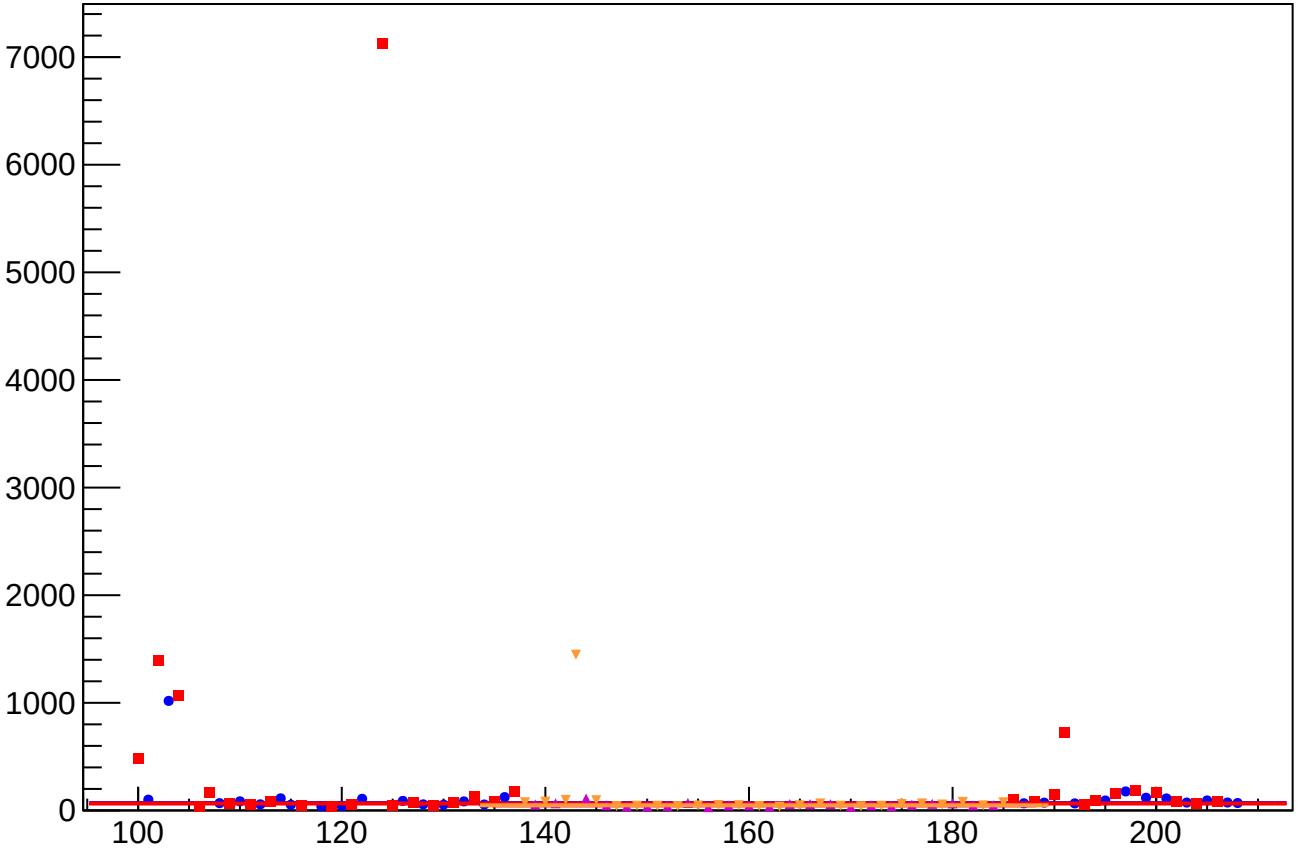
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.016+/-0.011 χ^2/NDF: 53.6/51

All: 0.015+/-0.007 χ^2/NDF: 104.2/105

- sign 0.014+/-0.011 χ^2/NDF: 50.7/53

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.431+/-0.015 χ^2/NDF: 3883382.5/26

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.794+/-0.014 χ^2/NDF: 6223538.7/30

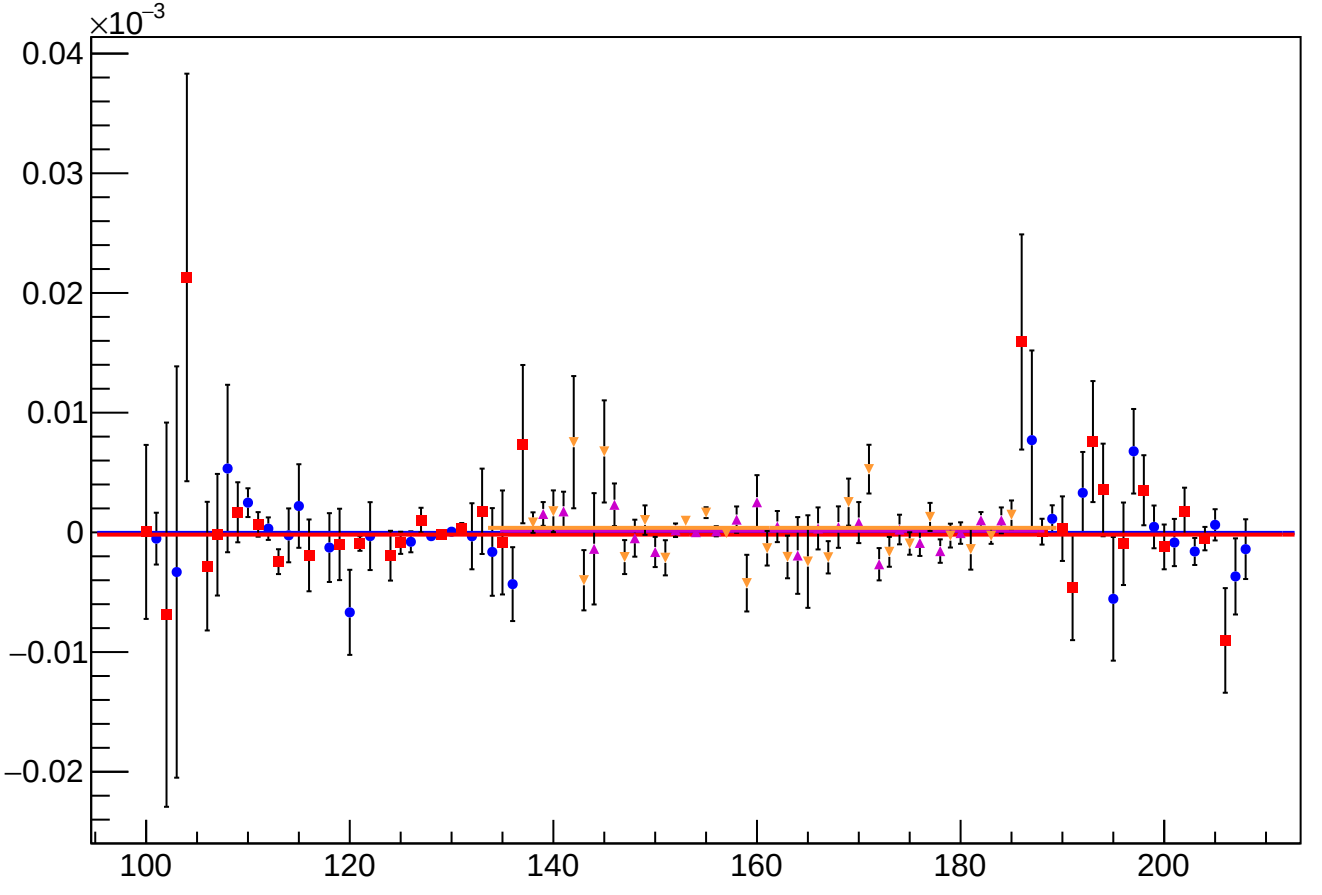
Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 53.395+/-0.008 χ^2/NDF: 8837272.4/51

All: 52.456+/-0.005 χ^2/NDF: 18181224.6/105

- sign 51.540+/-0.007 χ^2/NDF: 9313186.6/53

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.4/30

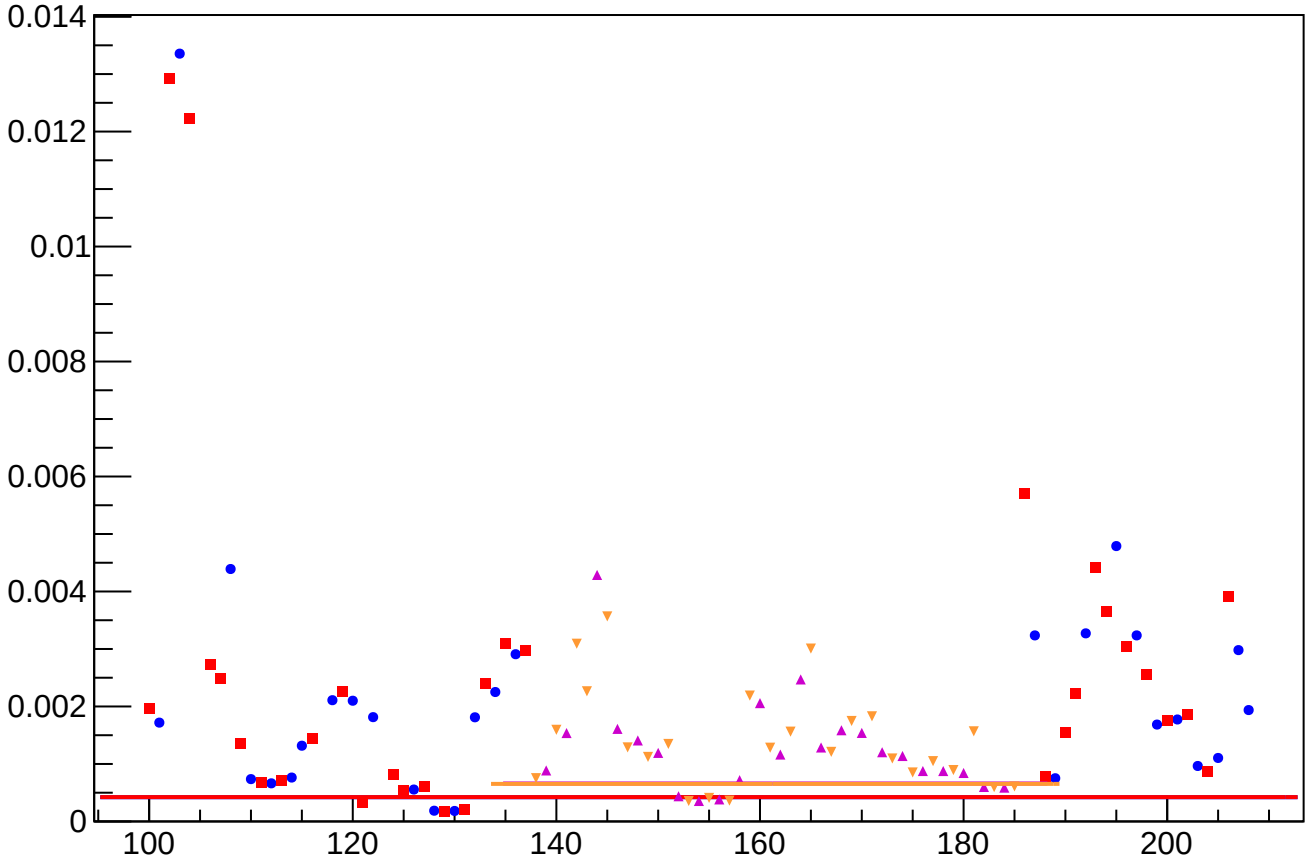
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 79.2/51

All: 0.000+/-0.000 χ^2/NDF: 132.1/105

- sign -0.000+/-0.000 χ^2/NDF: 51.8/53

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18971262.0/26

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18808502.3/30

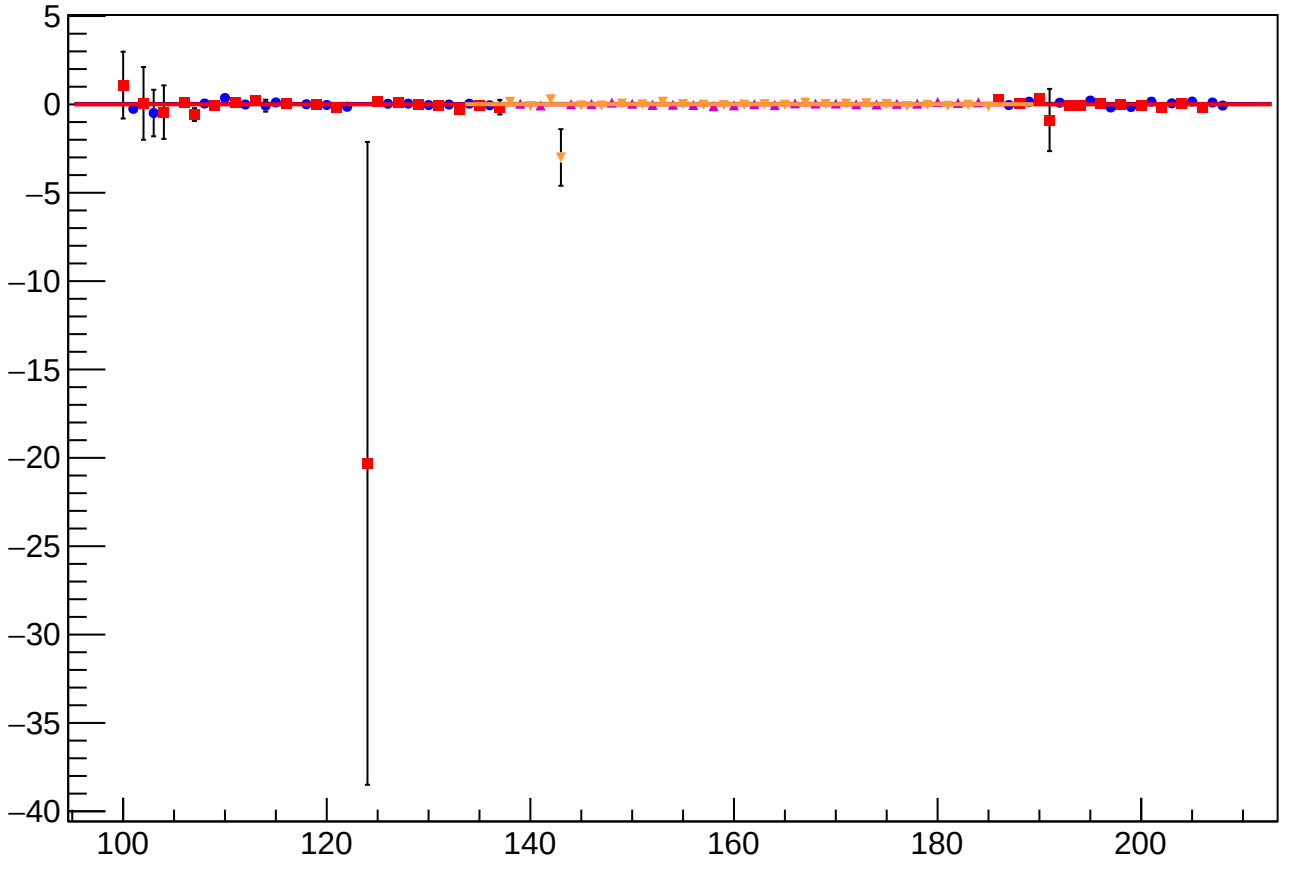
Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 32675508.4/51

All: 0.001+/-0.000 χ^2/NDF: 62819281.7/105

- sign 0.001+/-0.000 χ^2/NDF: 30143694.9/53

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.021 χ^2/NDF: 23.5/26

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.002+/-0.020 χ^2/NDF: 29.9/30

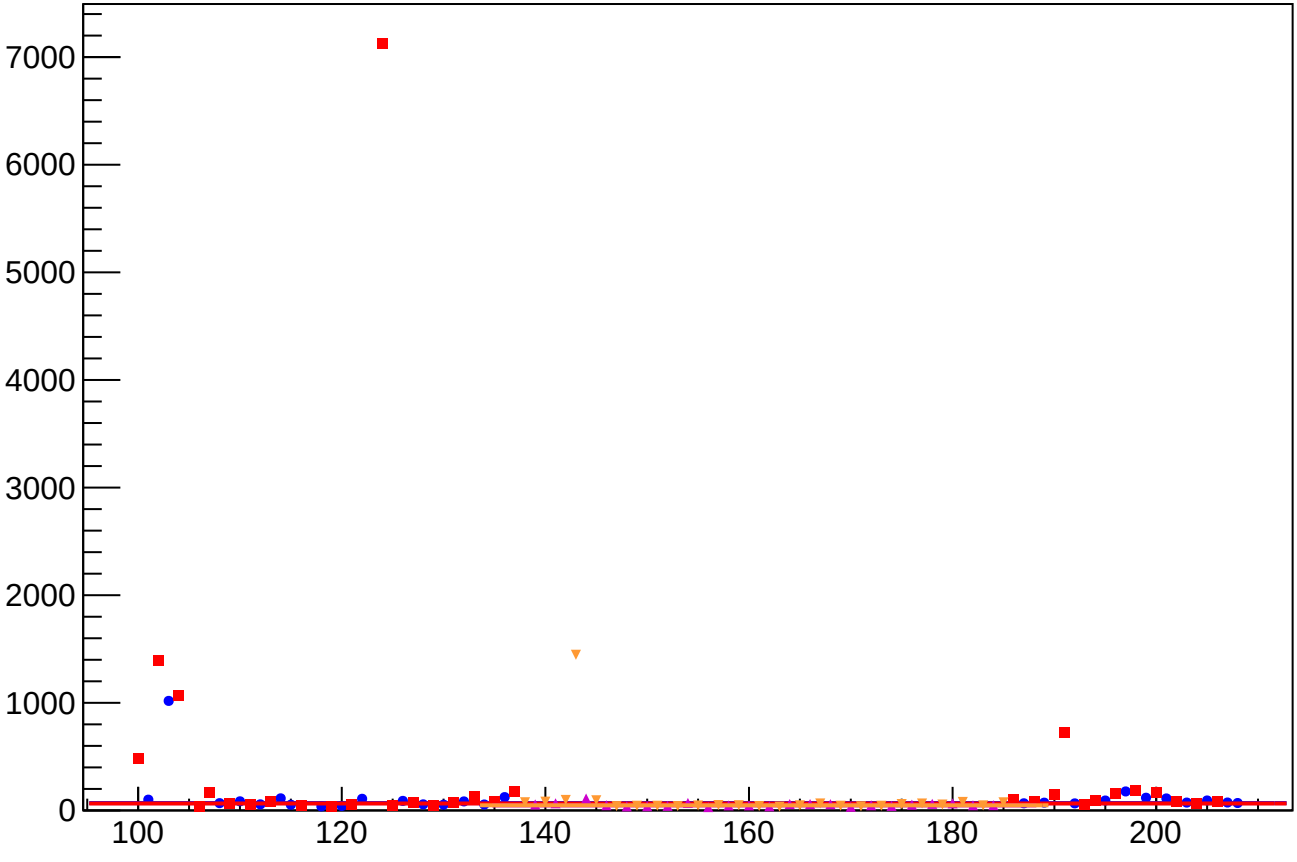
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.016+/-0.011 χ^2/NDF: 53.6/51

All: 0.015+/-0.007 χ^2/NDF: 104.2/105

- sign 0.014+/-0.011 χ^2/NDF: 50.7/53

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.431+/-0.015 χ^2/NDF: 3883438.6/26

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

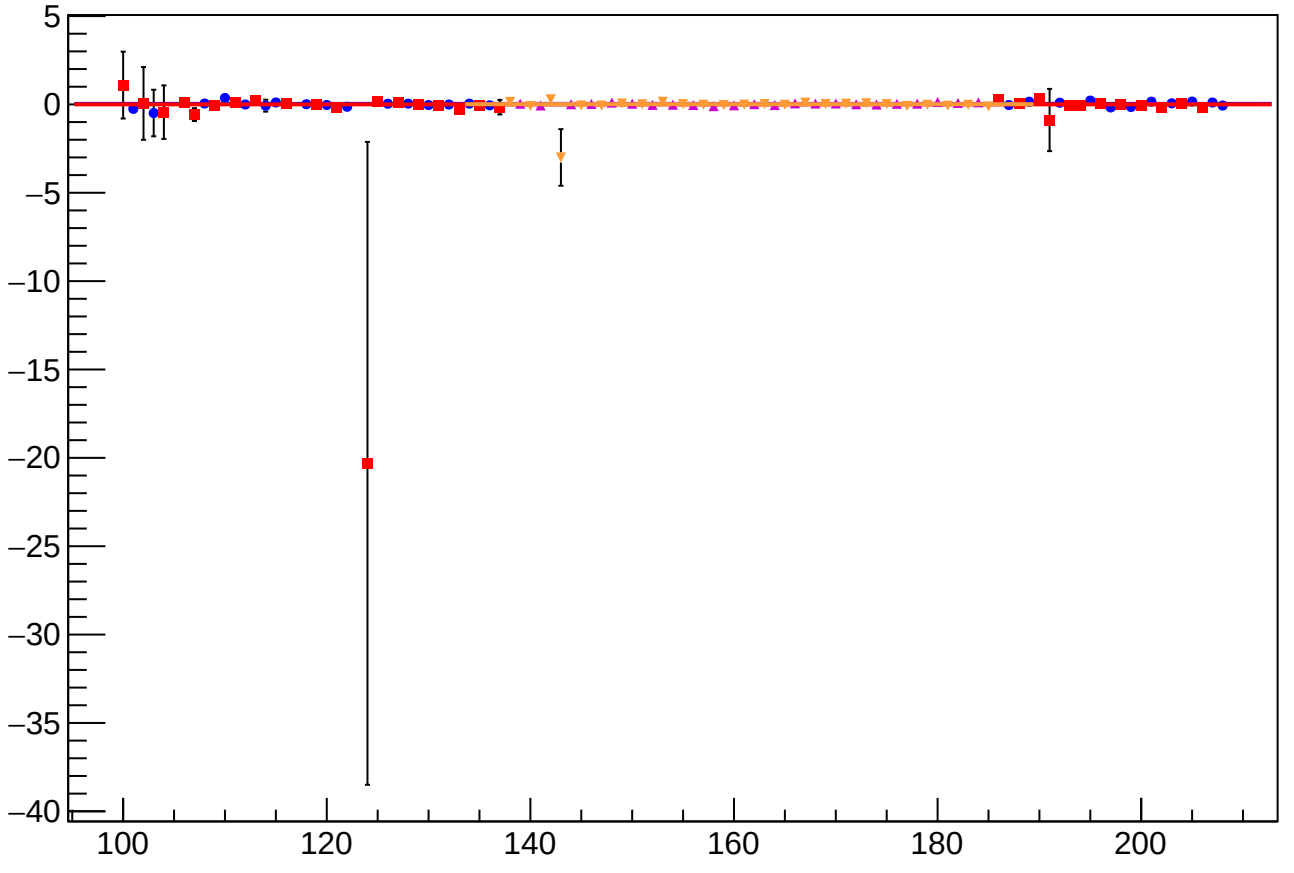
Right Out: 64.794+/-0.014 χ^2/NDF: 6223733.5/30

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 53.396+/-0.008 χ^2/NDF: 8837284.8/51

All: 52.456+/-0.005 χ^2/NDF: 18181351.6/105

- sign 51.539+/-0.007 χ^2/NDF: 9313288.9/53



Right In: 0.028+/-0.021 χ^2/NDF: 23.5/26

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.002+/-0.020 χ^2/NDF: 29.9/30

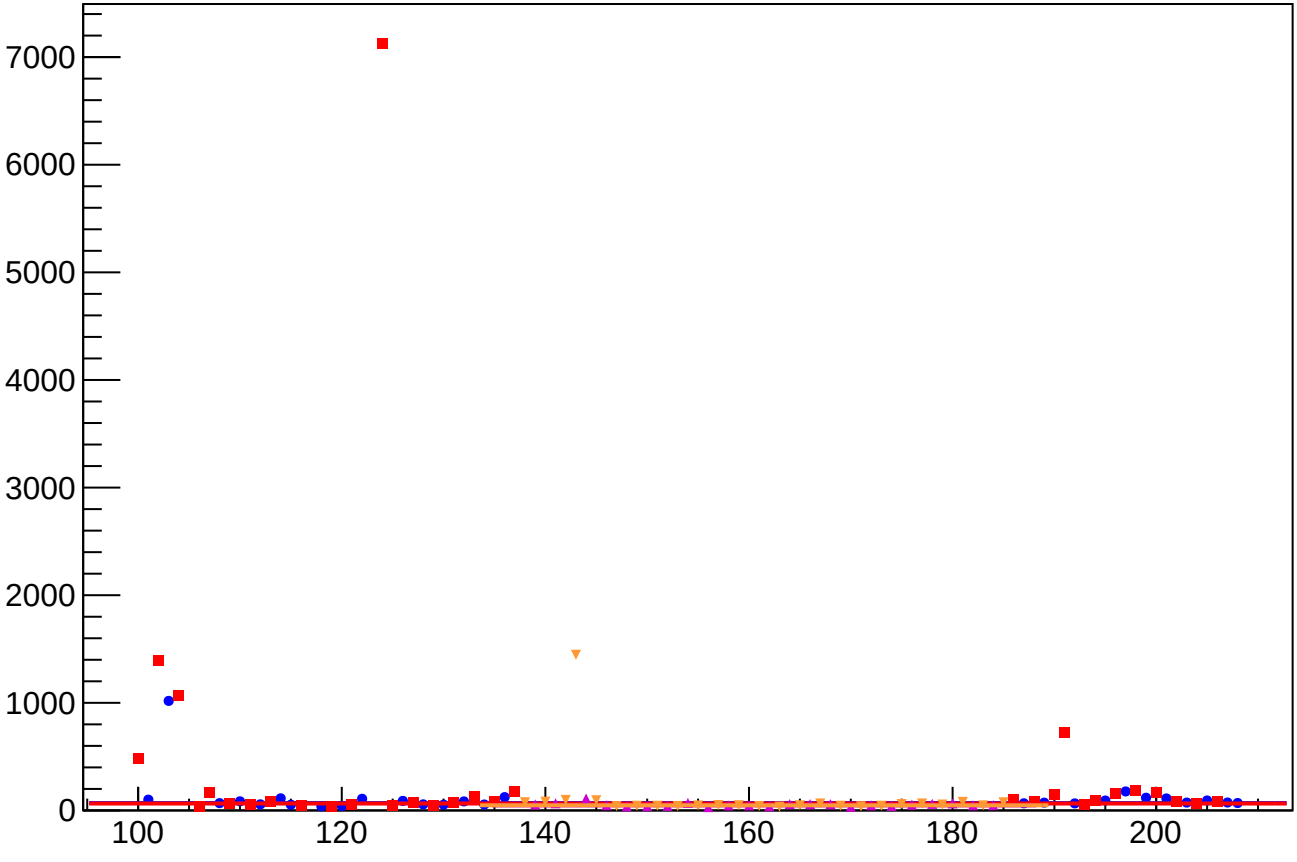
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.016+/-0.011 χ^2/NDF: 53.6/51

All: 0.015+/-0.007 χ^2/NDF: 104.2/105

- sign 0.014+/-0.011 χ^2/NDF: 50.7/53

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.431+/-0.015 χ^2/NDF: 3883438.6/26

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

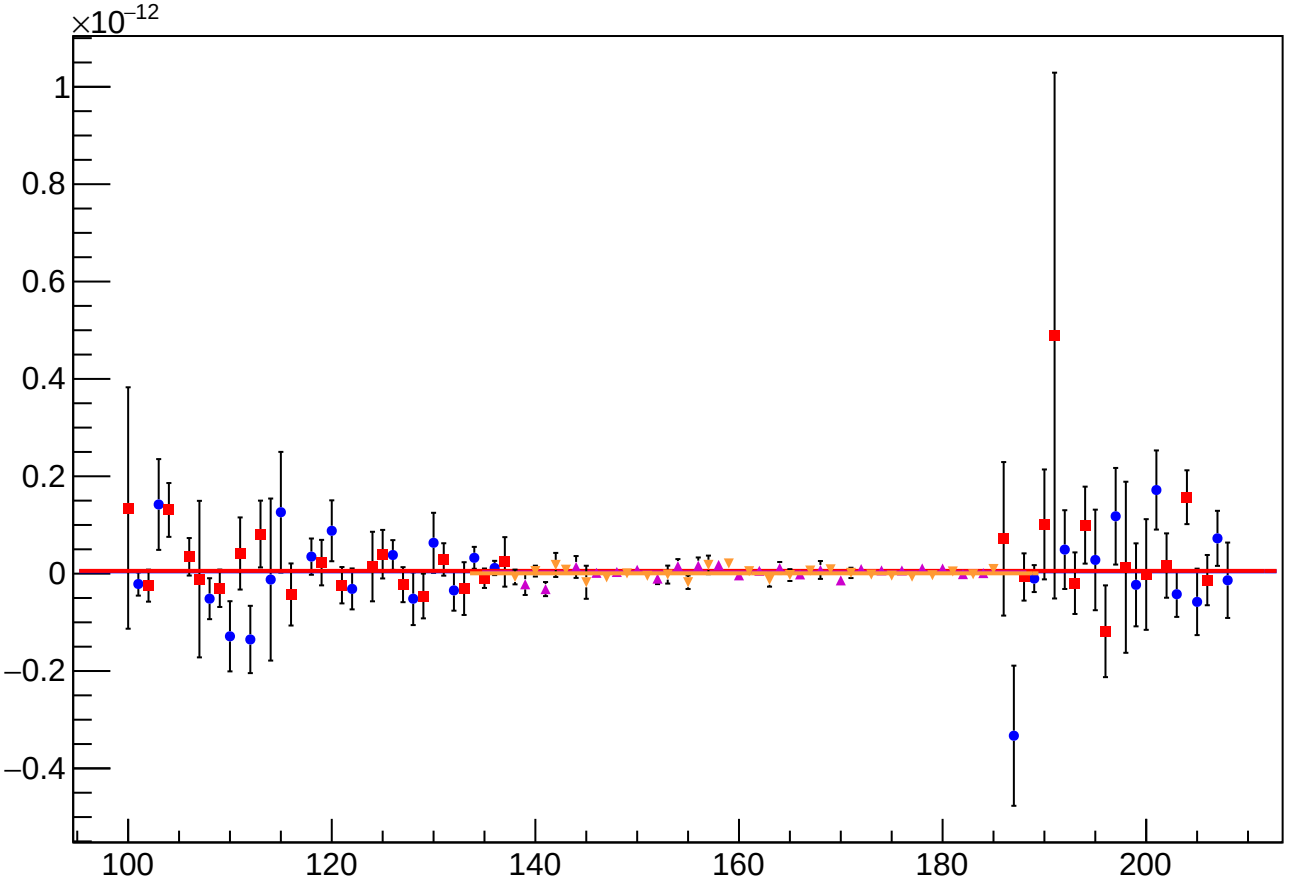
Right Out: 64.794+/-0.014 χ^2/NDF: 6223733.5/30

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 53.396+/-0.008 χ^2/NDF: 8837284.8/51

All: 52.456+/-0.005 χ^2/NDF: 18181351.6/105

- sign 51.539+/-0.007 χ^2/NDF: 9313288.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 37.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

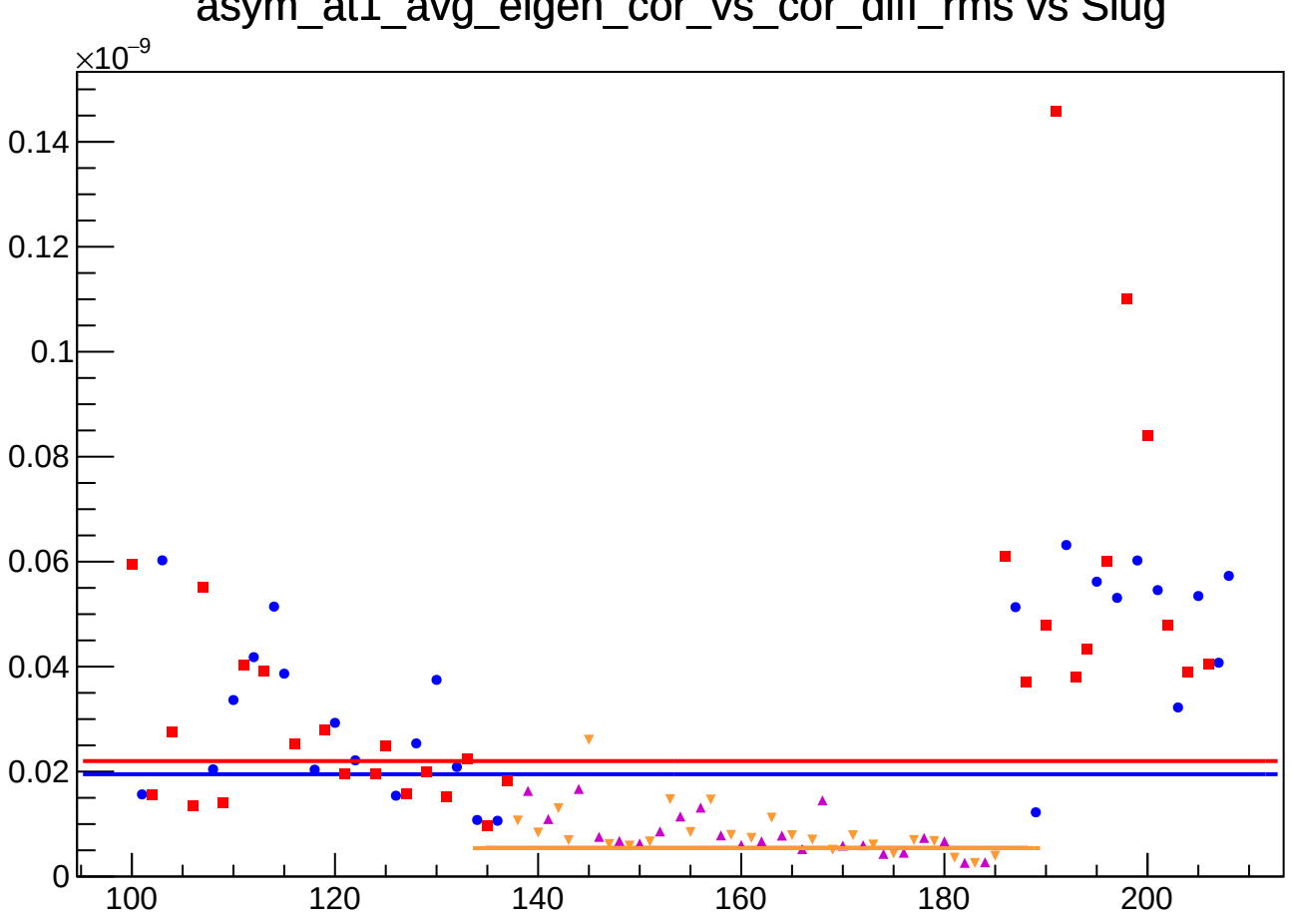
Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/30

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.1/51

All: 0.000+/-0.000 χ^2/NDF: 102.8/105

- sign 0.000+/-0.000 χ^2/NDF: 49.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 5697382.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4610117.0/30

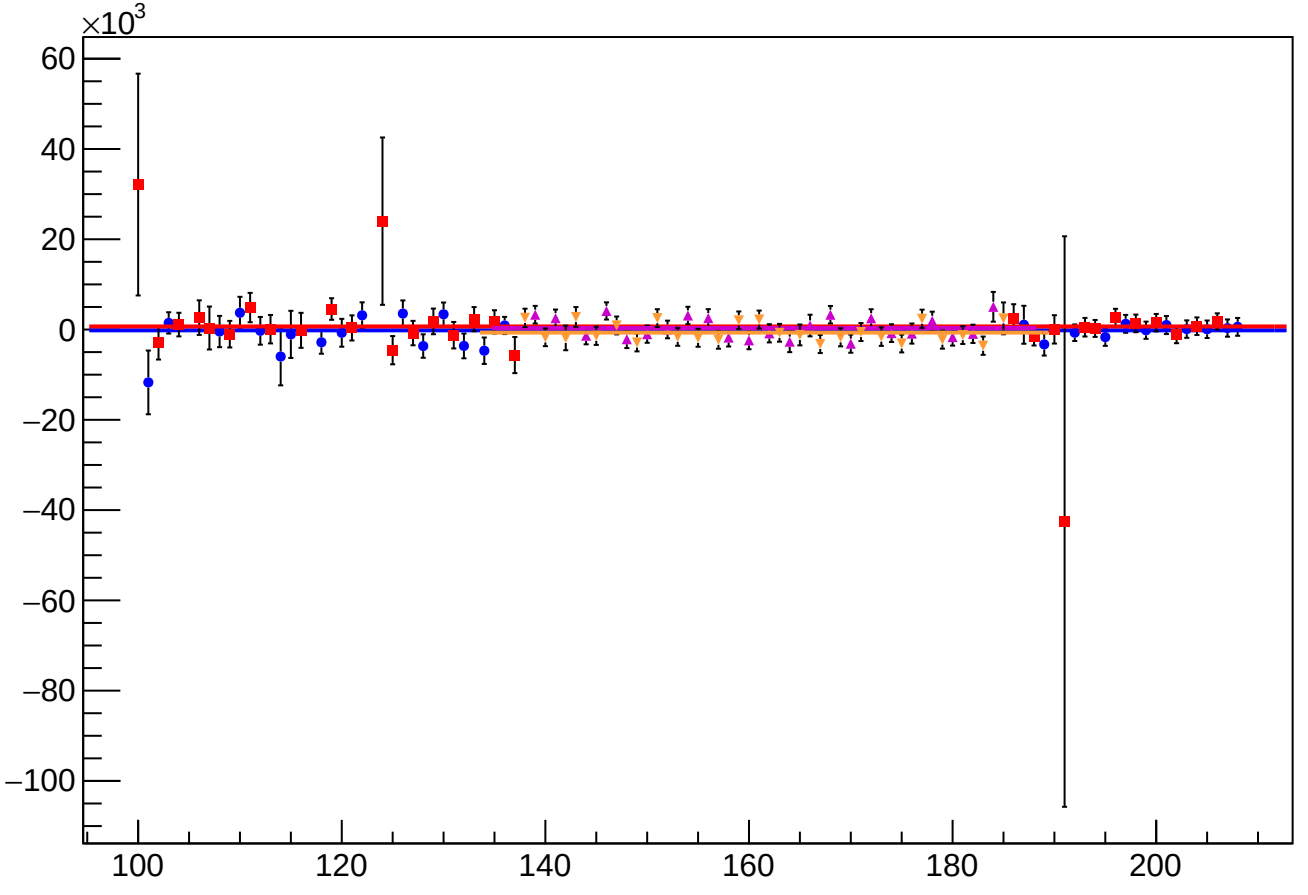
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 17094509.3/51

All: 0.000+/-0.000 χ^2/NDF: 33233879.9/105

- sign 0.000+/-0.000 χ^2/NDF: 16138891.7/53

reg_asym_at1_dd_mean vs Slug



Right In: -175.675+/-472.460 χ^2/NDF: 20.7/26

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 684.748+/-472.967 χ^2/NDF: 20.7/30

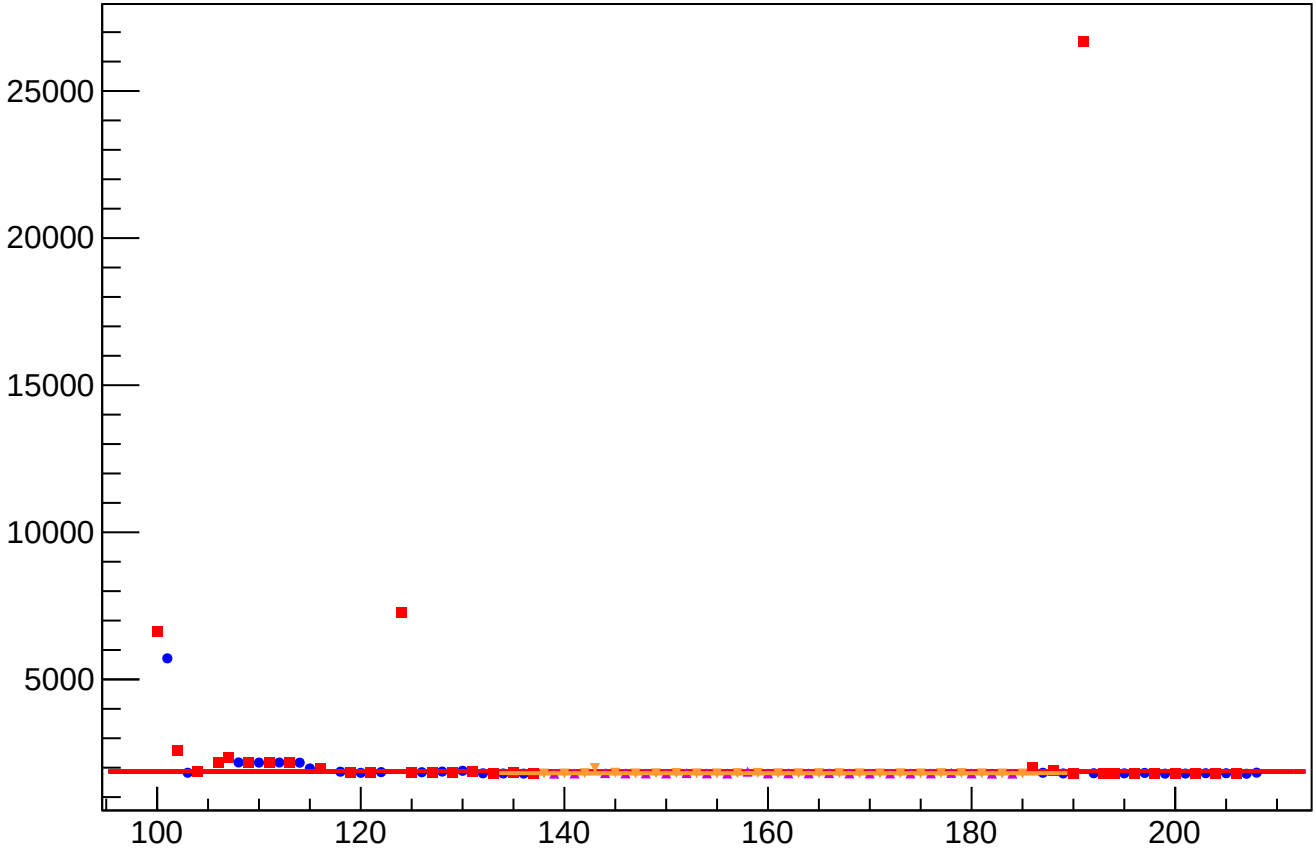
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -456.374+/-310.606 χ^2/NDF: 46.1/51

All: 12.230+/-221.230 χ^2/NDF: 101.8/105

- sign 494.729+/-315.178 χ^2/NDF: 51.1/53

reg_asym_at1_dd_rms vs Slug



Right In: 1860.752+/-0.334 χ^2/NDF: 674578.8/26

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1884.988+/-0.334 χ^2/NDF: 746973.0/30

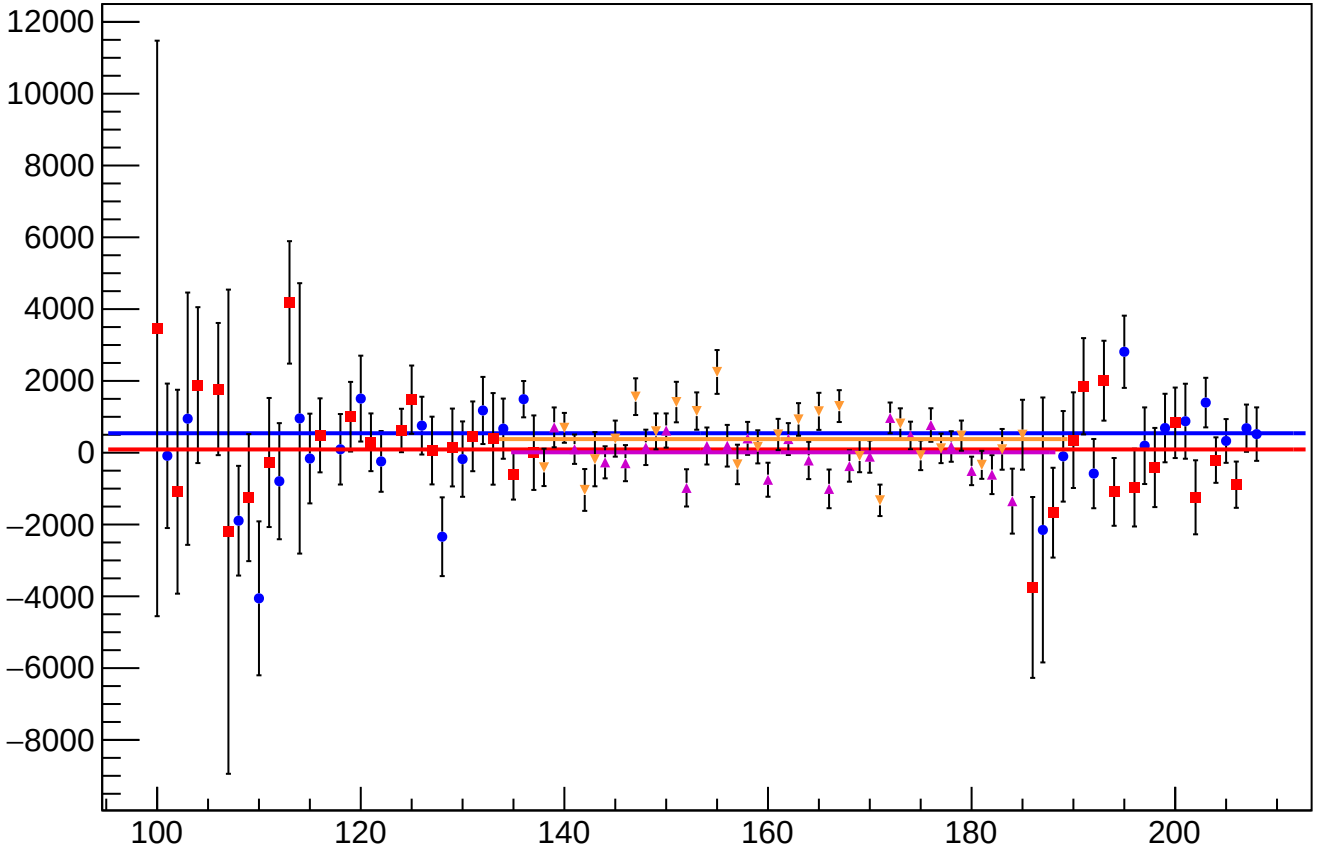
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1834.453+/-0.220 χ^2/NDF: 698594.6/51

All: 1838.937+/-0.156 χ^2/NDF: 1475990.3/10

- sign 1843.554+/-0.223 χ^2/NDF: 776549.7/53

asym_at1_dd_reg_correction_mean vs Slug



Right In: 542.327+/-184.063 χ^2/NDF: 30.6/26

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 91.432+/-188.836 χ^2/NDF: 30.1/30

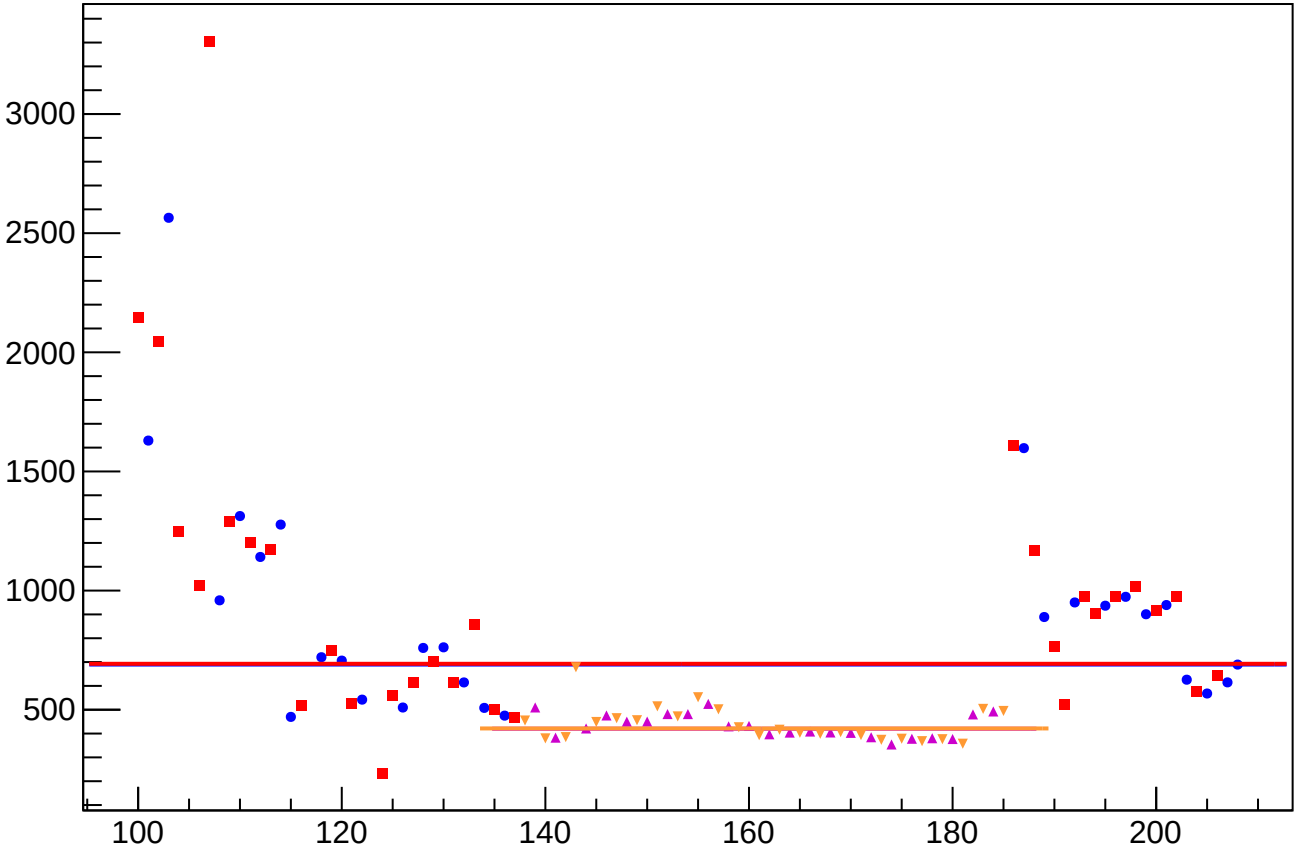
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 414.784+/-85.822 χ^2/NDF: 93.5/51

All: 225.864+/-61.326 χ^2/NDF: 164.8/105

- sign 28.748+/-87.664 χ^2/NDF: 61.3/53

asym_at1_dd_reg_correction_rms vs Slug



Right In: 689.645+/-0.130 χ^2/NDF: 3064632.8/26

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

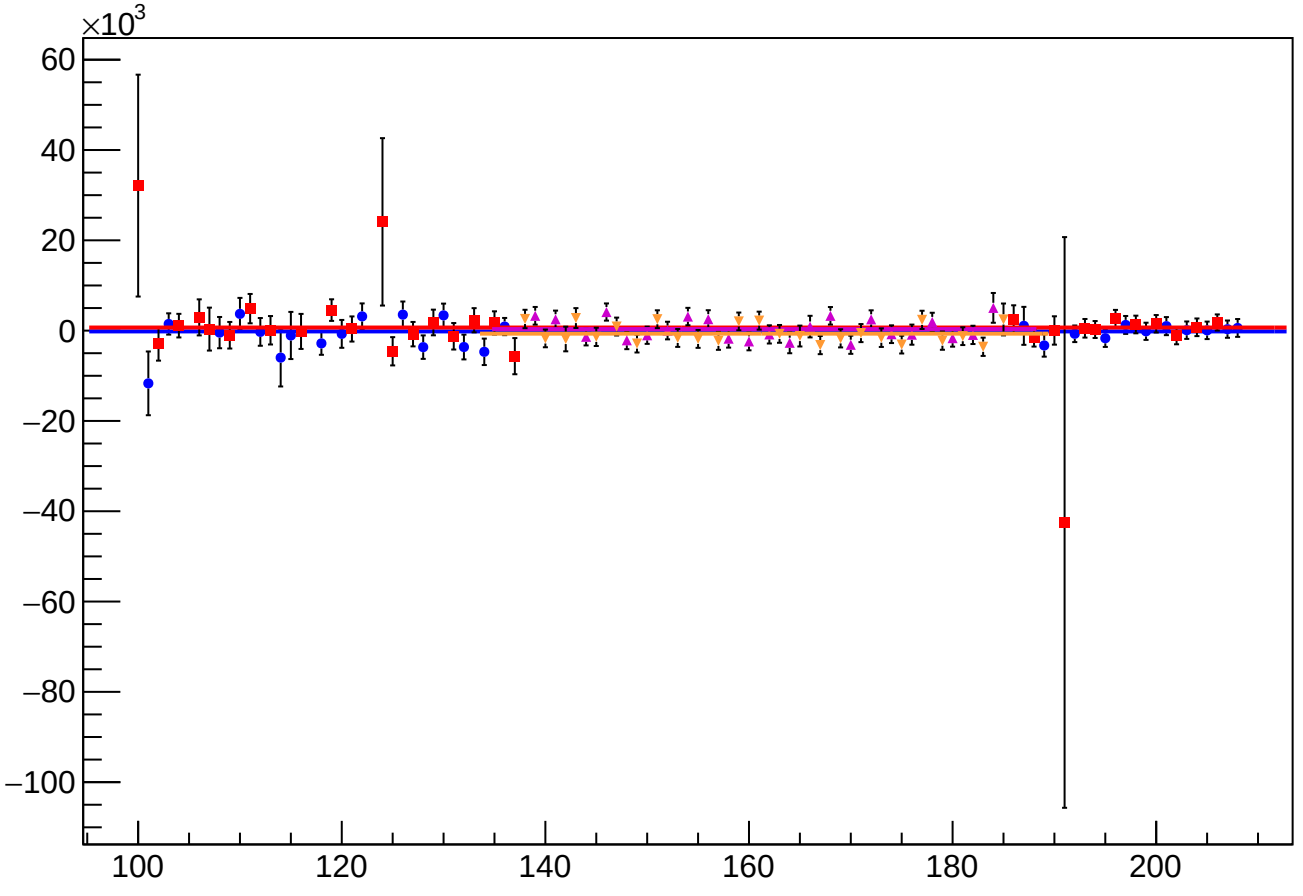
Right Out: 692.712+/-0.134 χ^2/NDF: 4674859.5/30

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 479.730+/-0.061 χ^2/NDF: 7131535.8/51

All: 479.347+/-0.043 χ^2/NDF: 15486603.9/10

- sign 478.948+/-0.062 χ^2/NDF: 8354986.8/53



Right In: -175.316+/-472.460 χ^2/NDF: 20.7/26

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 686.715+/-473.252 χ^2/NDF: 20.8/30

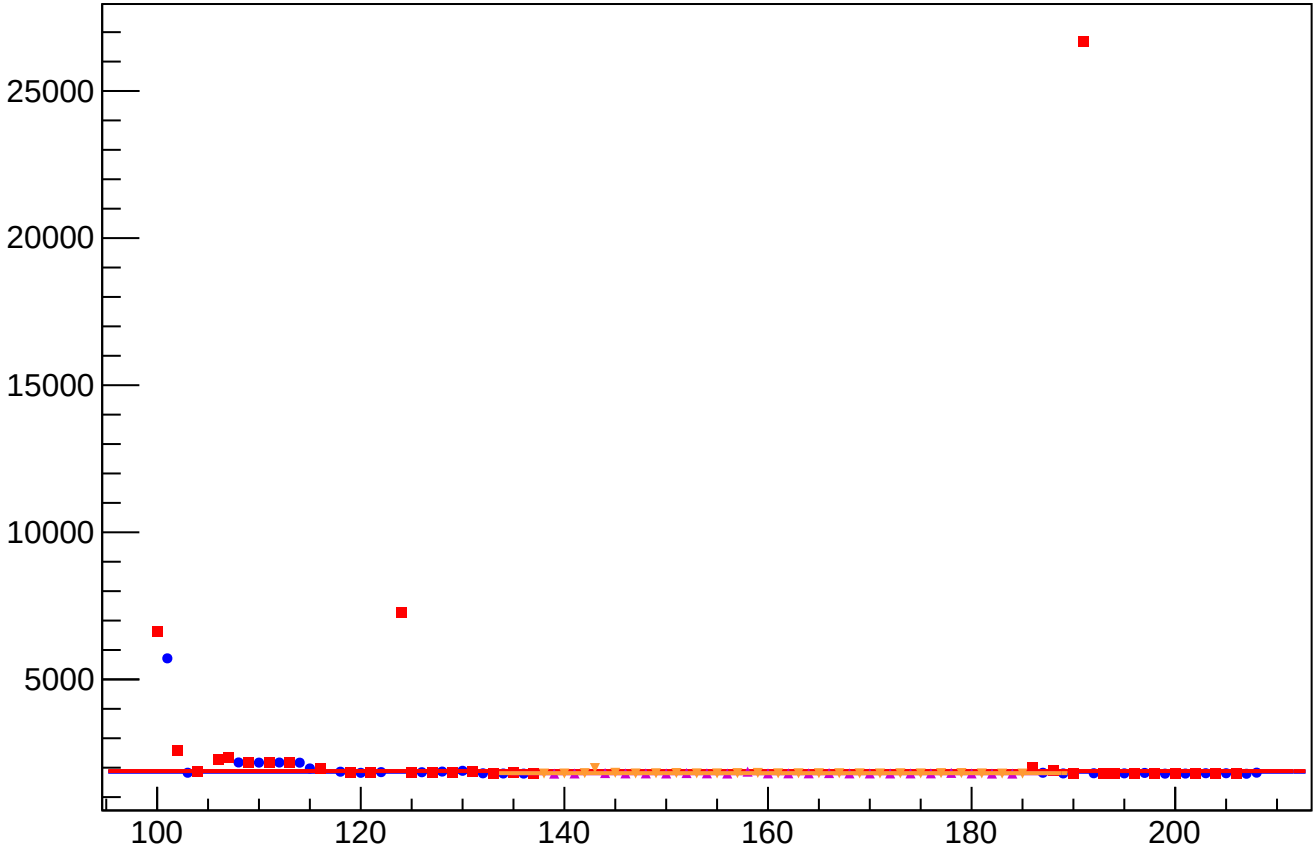
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

\+ sign -456.213+/-310.606 χ^2/NDF: 46.1/51

All: 12.576+/-221.259 χ^2/NDF: 101.9/105

\- sign 495.525+/-315.262 χ^2/NDF: 51.1/53

cor_asym_at1_dd_rms vs Slug



Right In: 1860.752+/-0.334 χ^2/NDF: 674578.7/26

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1885.775+/-0.335 χ^2/NDF: 753042.8/30

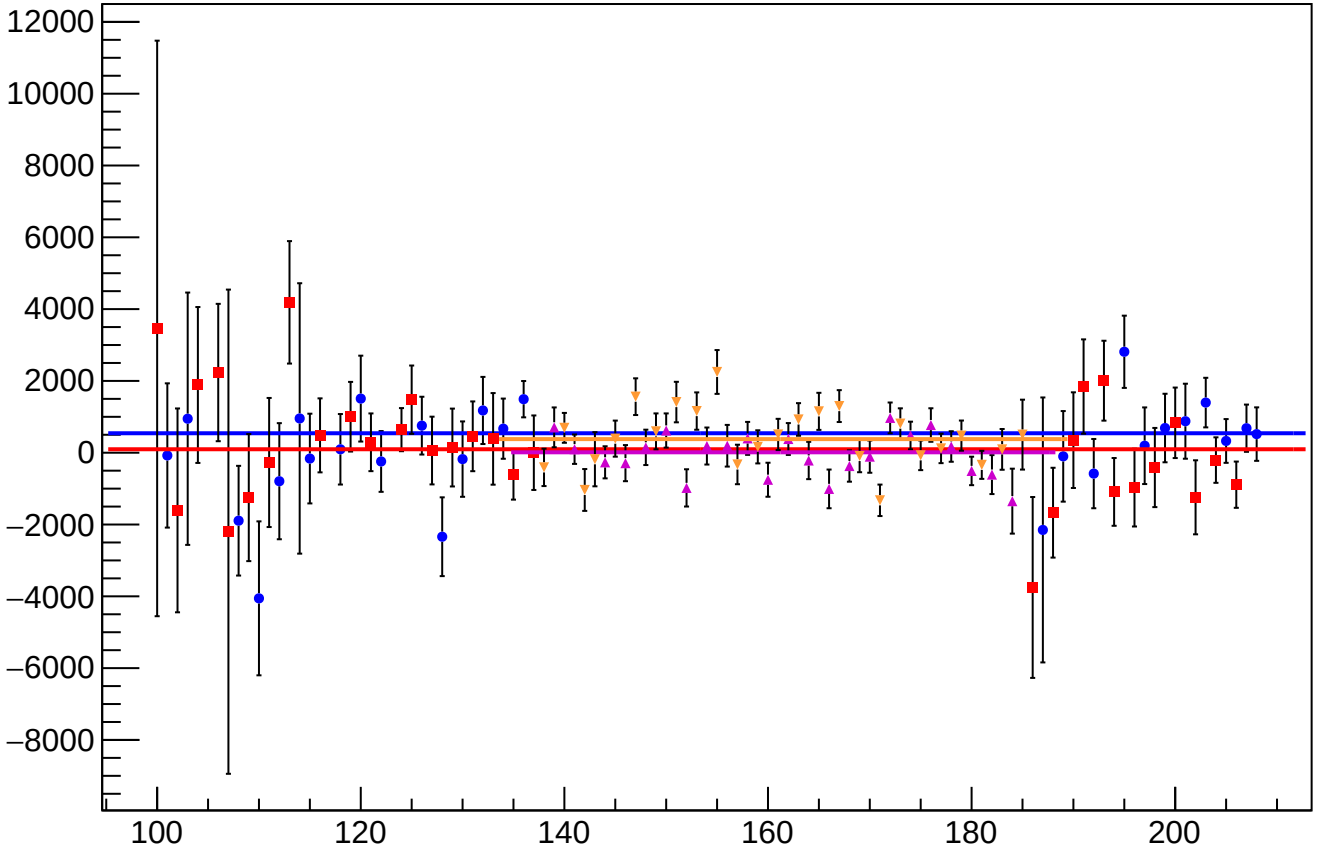
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1834.453+/-0.220 χ^2/NDF: 698594.5/51

All: 1839.097+/-0.156 χ^2/NDF: 1482689.3/10

- sign 1843.881+/-0.223 χ^2/NDF: 783187.0/53

asym_at1_dd_cor_correction_mean vs Slug



Right In: 542.366+/-184.060 χ^2/NDF: 30.6/26

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 96.699+/-188.693 χ^2/NDF: 30.8/30

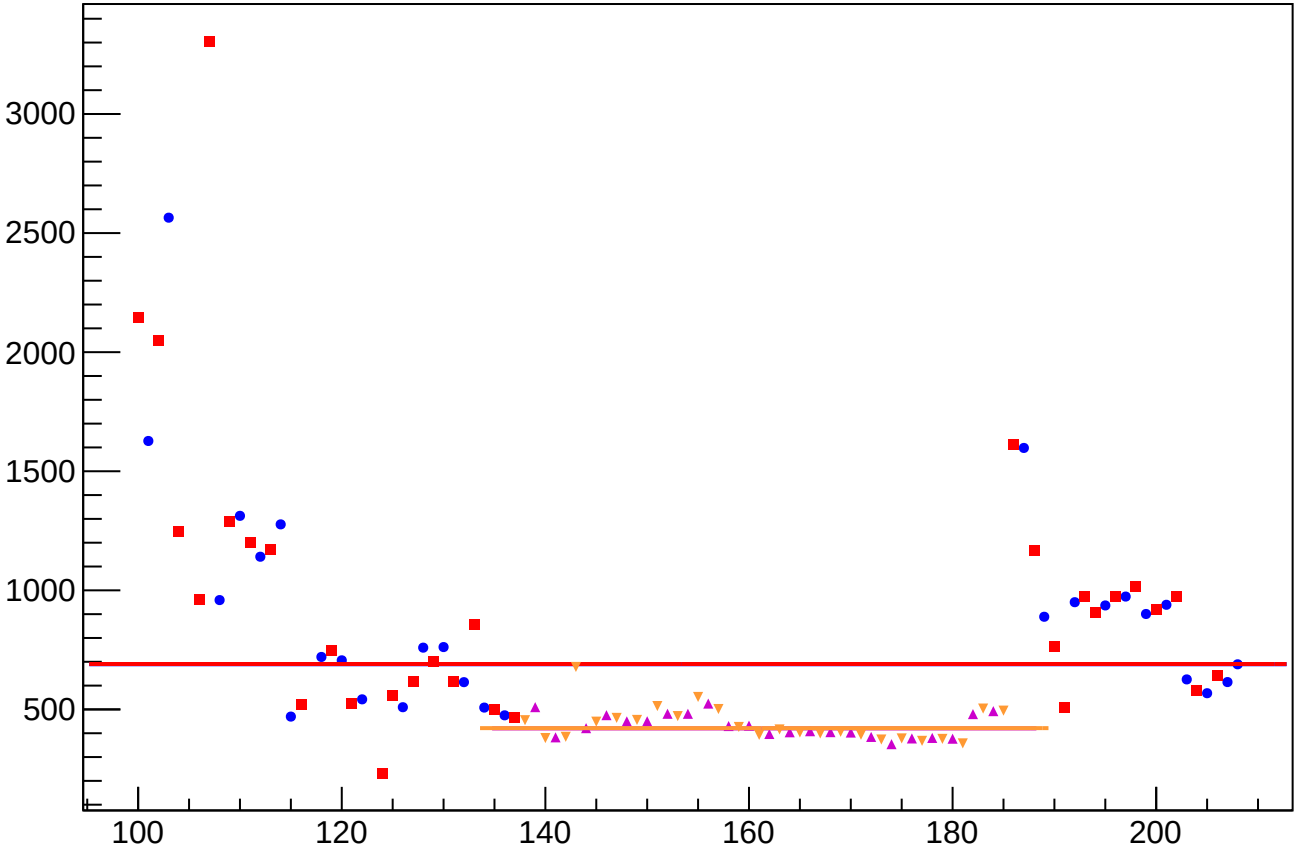
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 414.786+/-85.822 χ^2/NDF: 93.5/51

All: 226.403+/-61.321 χ^2/NDF: 165.5/105

- sign 29.914+/-87.649 χ^2/NDF: 62.1/53

asym_at1_dd_cor_correction_rms vs Slug



Right In: 689.644+/-0.130 χ^2/NDF: 3063800.7/26

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

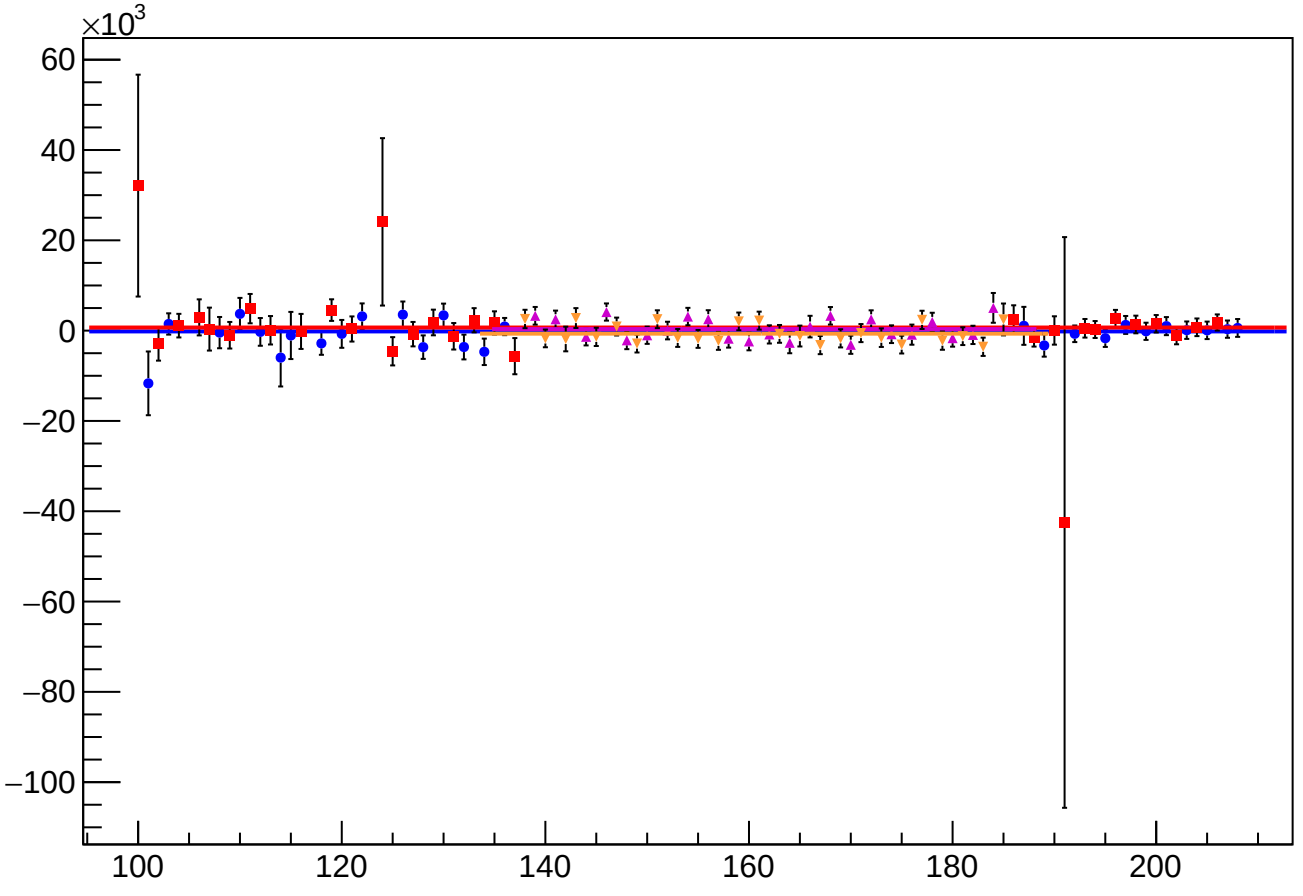
Right Out: 690.657+/-0.133 χ^2/NDF: 4685218.0/30

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 479.735+/-0.061 χ^2/NDF: 7130632.4/51

All: 479.165+/-0.043 χ^2/NDF: 15451001.3/10

- sign 478.570+/-0.062 χ^2/NDF: 8320188.6/53



Right In: -175.316+/-472.460 χ^2/NDF: 20.7/26

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 686.715+/-473.252 χ^2/NDF: 20.8/30

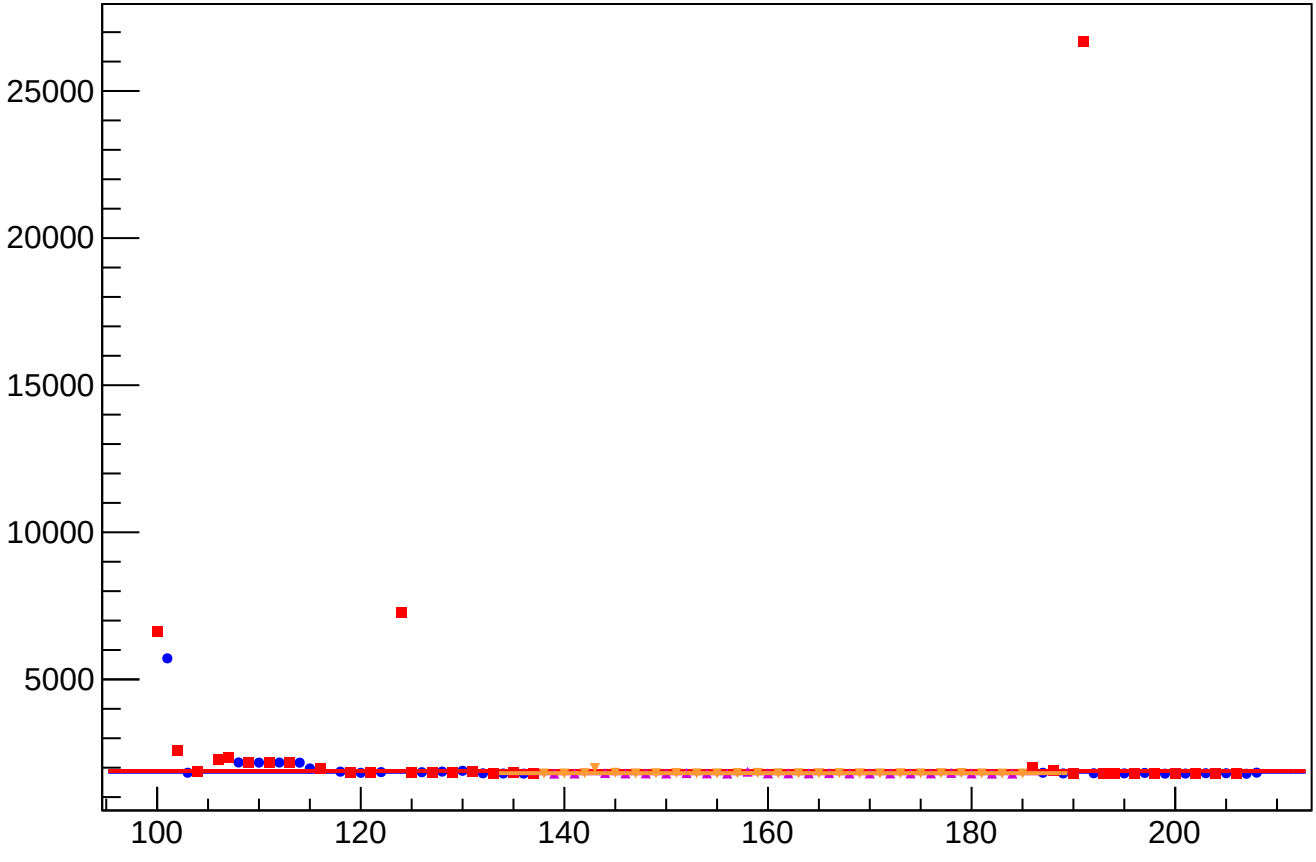
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

\+ sign -456.213+/-310.606 χ^2/NDF: 46.1/51

All: 12.576+/-221.259 χ^2/NDF: 101.9/105

\- sign 495.525+/-315.262 χ^2/NDF: 51.1/53

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1860.752+/-0.334 χ^2/NDF: 674578.7/26

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1885.775+/-0.335 χ^2/NDF: 753042.8/30

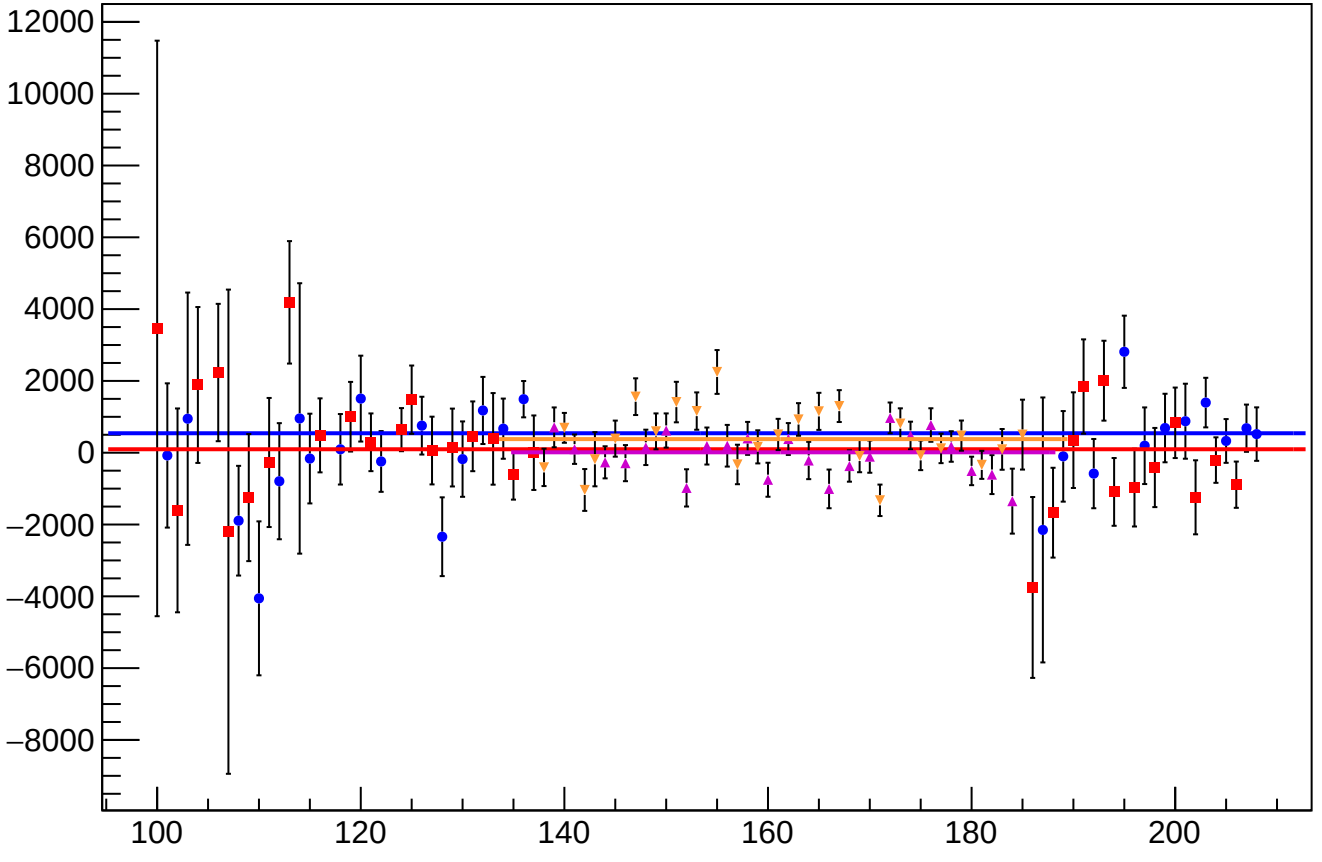
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1834.453+/-0.220 χ^2/NDF: 698594.5/51

All: 1839.097+/-0.156 χ^2/NDF: 1482689.3/10

- sign 1843.881+/-0.223 χ^2/NDF: 783187.0/53

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 542.366+/-184.060 χ^2/NDF: 30.6/26

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 96.699+/-188.693 χ^2/NDF: 30.8/30

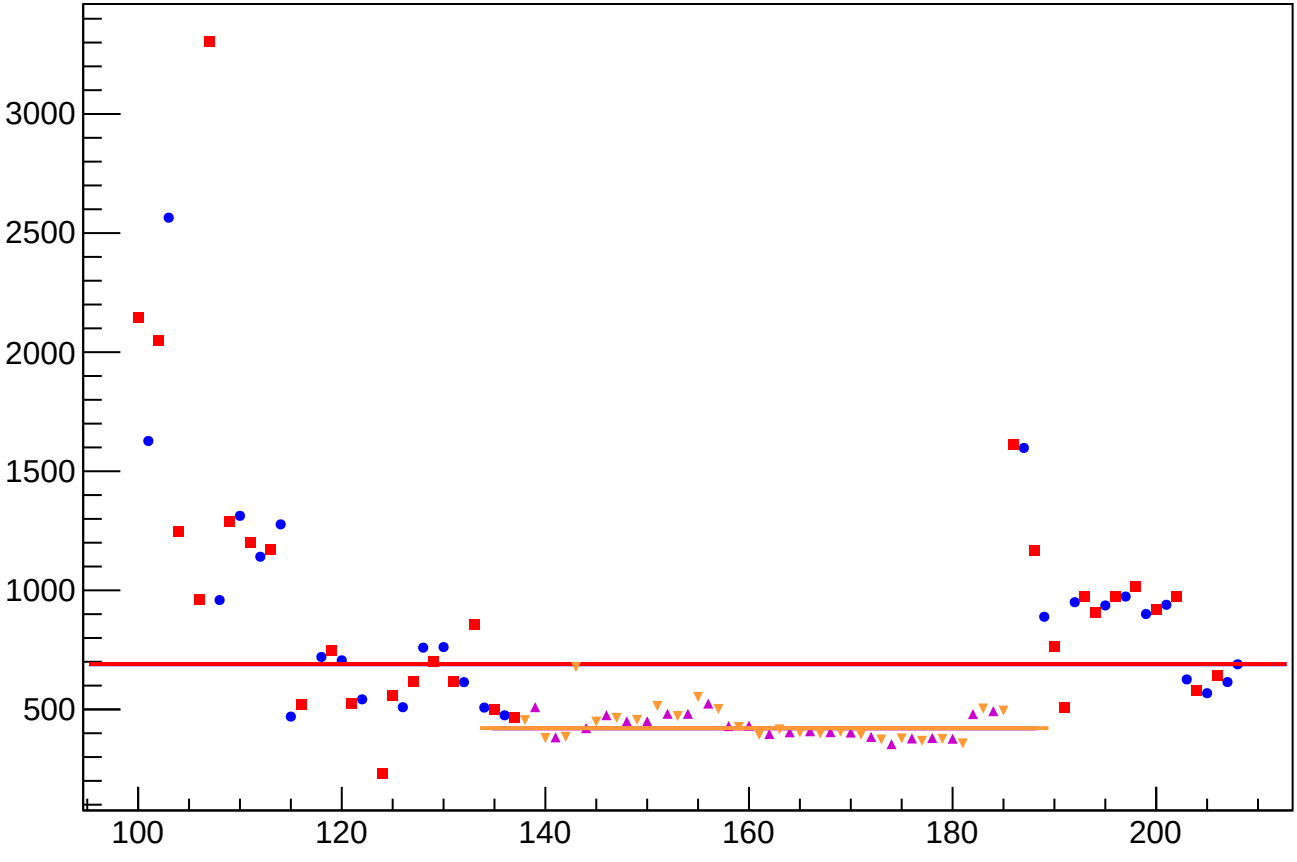
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 414.786+/-85.822 χ^2/NDF: 93.5/51

All: 226.403+/-61.321 χ^2/NDF: 165.5/105

- sign 29.914+/-87.649 χ^2/NDF: 62.1/53

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 689.644+/-0.130 χ^2/NDF: 3063800.7/26

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 690.657+/-0.133 χ^2/NDF: 4685218.0/30

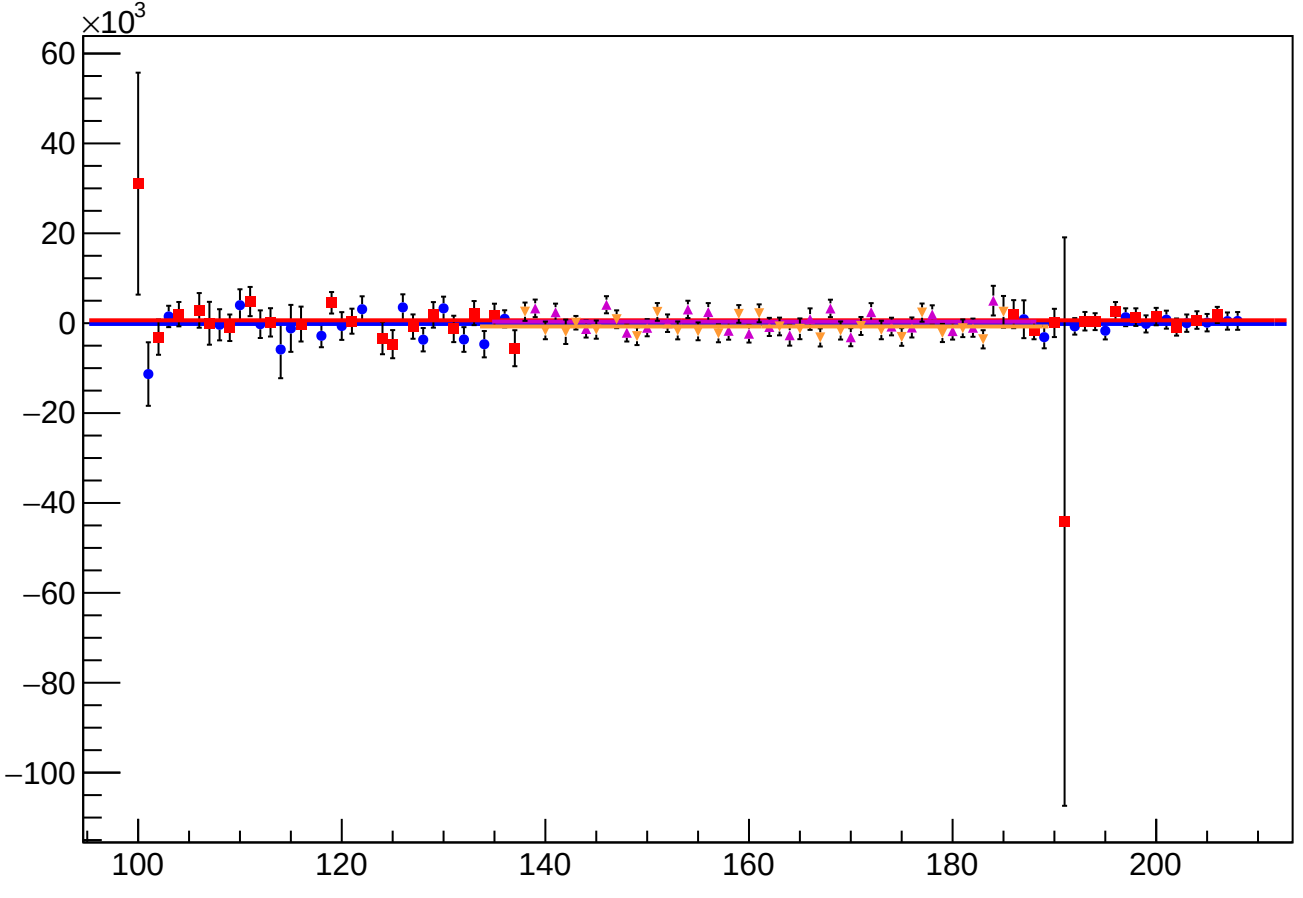
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 479.735+/-0.061 χ^2/NDF: 7130632.4/51

All: 479.165+/-0.043 χ^2/NDF: 15451001.3/10

- sign 478.570+/-0.062 χ^2/NDF: 8320188.6/53

dit_asym_at1_dd_mean vs Slug



Right In: -166.270+/-472.971 χ^2/NDF: 20.3/26

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 642.976+/-470.567 χ^2/NDF: 20.2/30

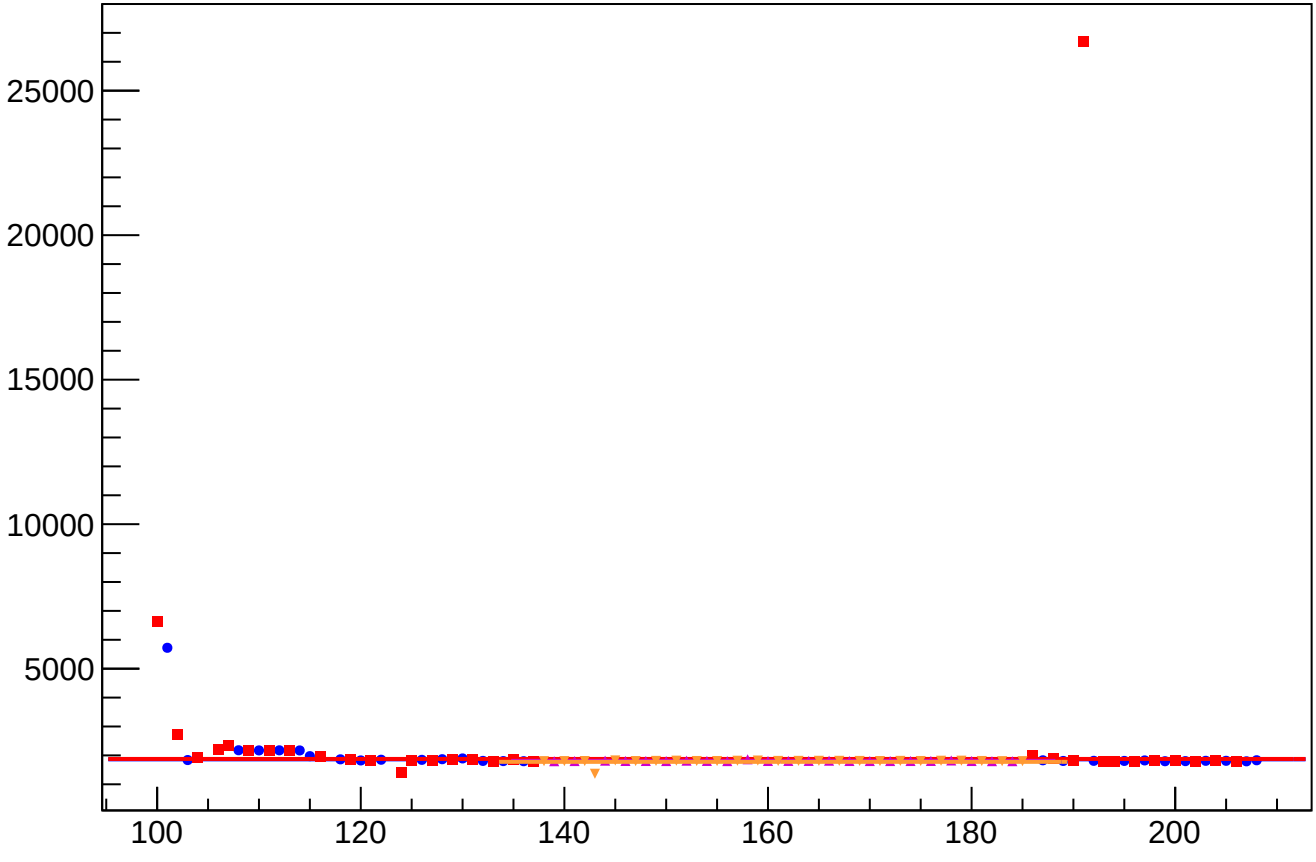
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -488.753+/-307.373 χ^2/NDF: 43.4/51

All: -17.454+/-219.831 χ^2/NDF: 98.2/105

- sign 476.032+/-314.525 χ^2/NDF: 50.0/53

dit_asym_at1_dd_rms vs Slug



Right In: 1862.645+/-0.334 χ^2/NDF: 674304.5/26

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1877.082+/-0.333 χ^2/NDF: 630047.0/30

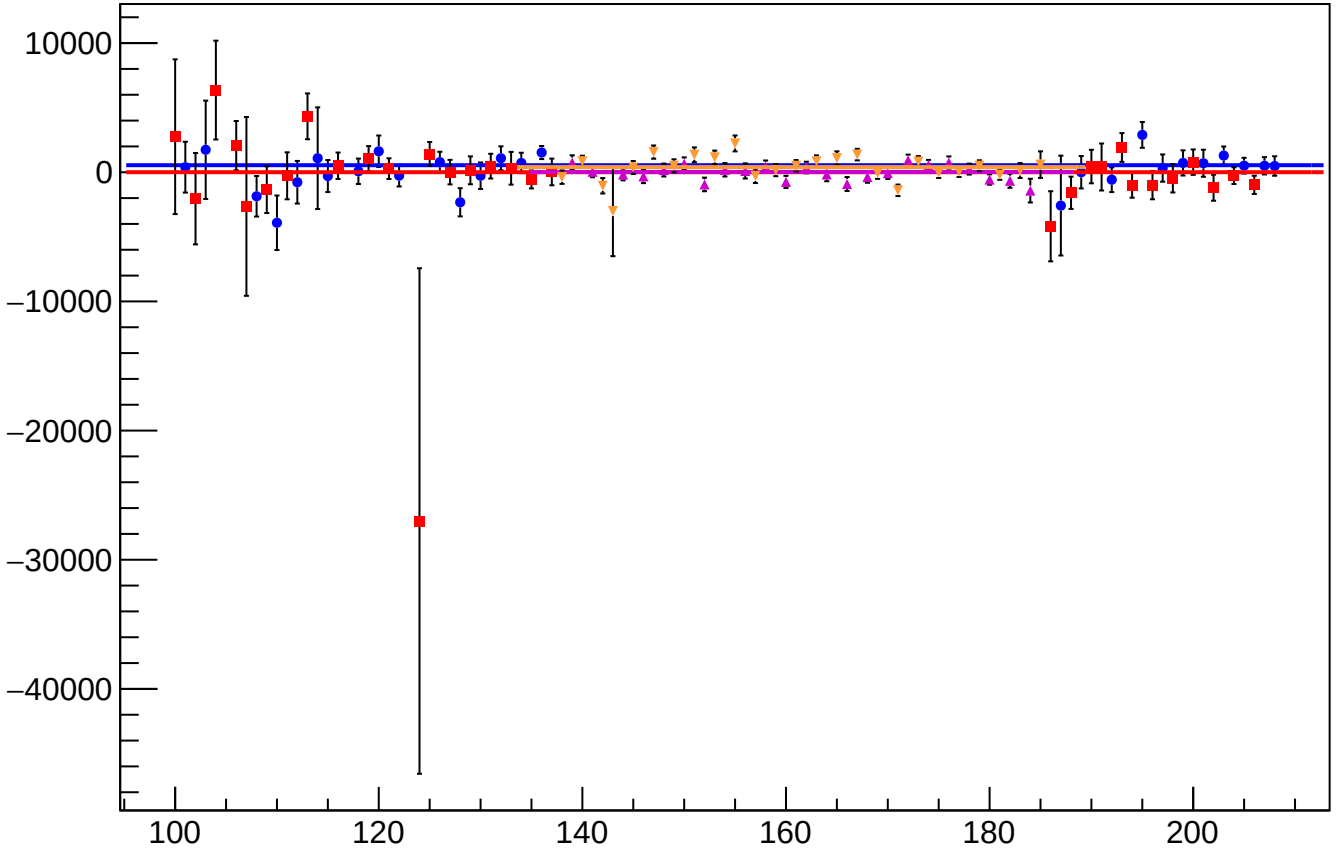
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.010+/-0.217 χ^2/NDF: 873728.4/51

All: 1826.472+/-0.155 χ^2/NDF: 1535360.2/10

- sign 1840.569+/-0.222 χ^2/NDF: 653778.0/53

asym_at1_dd_dit_correction_mean vs Slug



Right In: 546.053+/-184.123 χ^2/NDF: 30.7/26

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 4.421+/-202.258 χ^2/NDF: 31.2/30

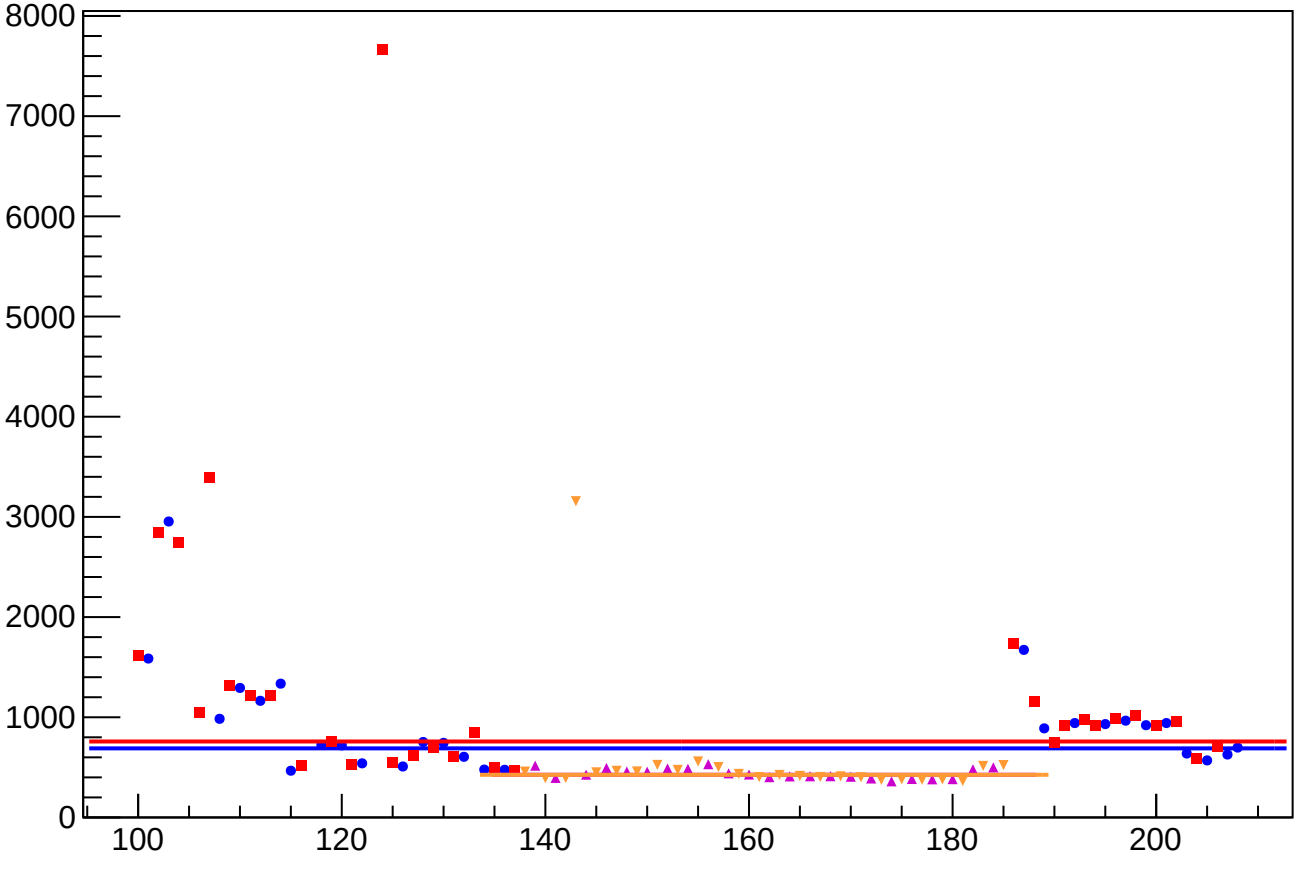
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 431.498+/-87.307 χ^2/NDF: 91.7/51

All: 230.686+/-62.609 χ^2/NDF: 164.6/105

- sign 18.093+/-89.832 χ^2/NDF: 62.1/53

asym_at1_dd_dit_correction_rms vs Slug



Right In: 689.549+/-0.130 χ^2/NDF: 3245573.9/26

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 758.358+/-0.143 χ^2/NDF: 4326552.7/30

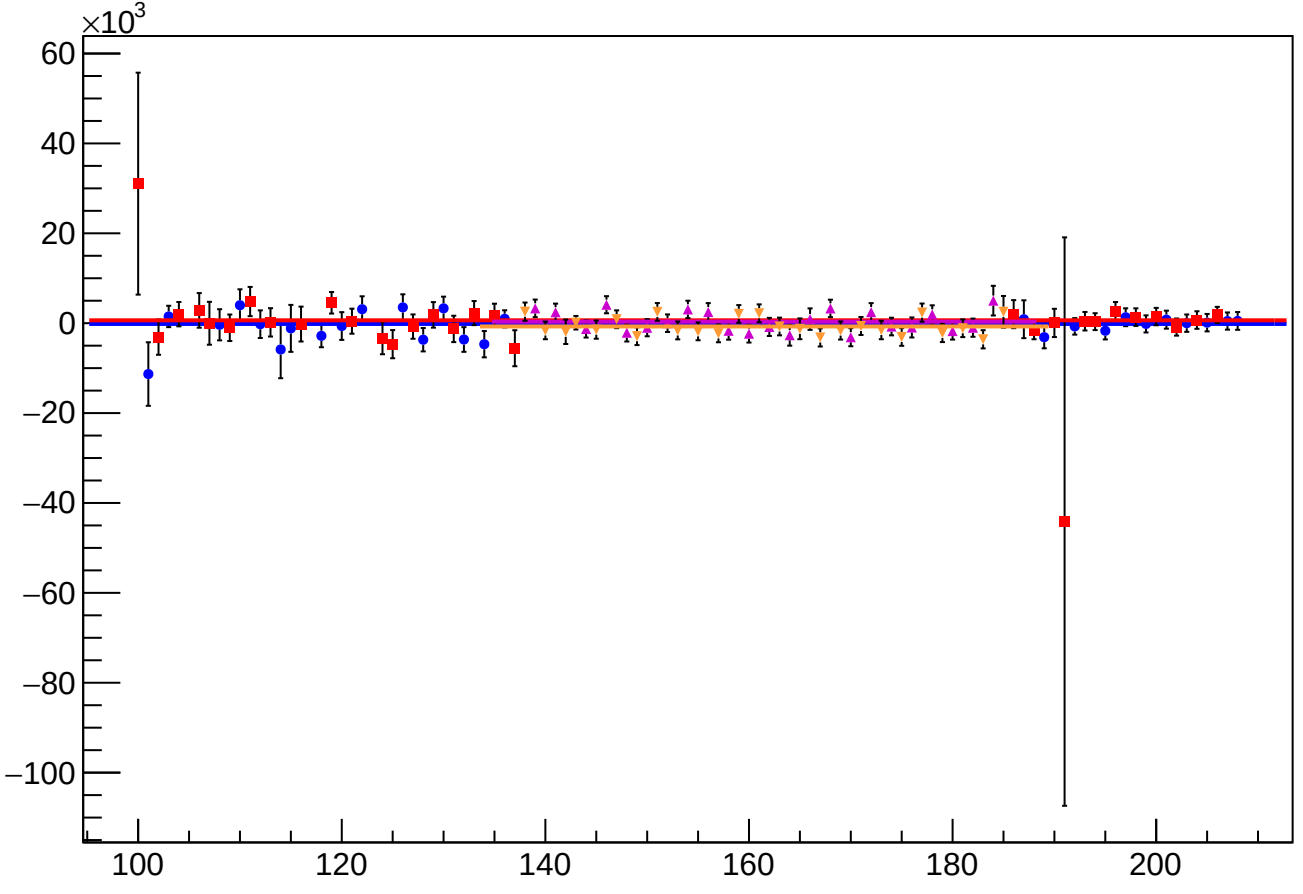
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 485.023+/-0.062 χ^2/NDF: 8147357.4/51

All: 488.256+/-0.044 χ^2/NDF: 17226337.7/10

- sign 491.679+/-0.064 χ^2/NDF: 9073334.6/53

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -166.271+/-472.971 χ^2/NDF: 20.3/26

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 642.975+/-470.567 χ^2/NDF: 20.2/30

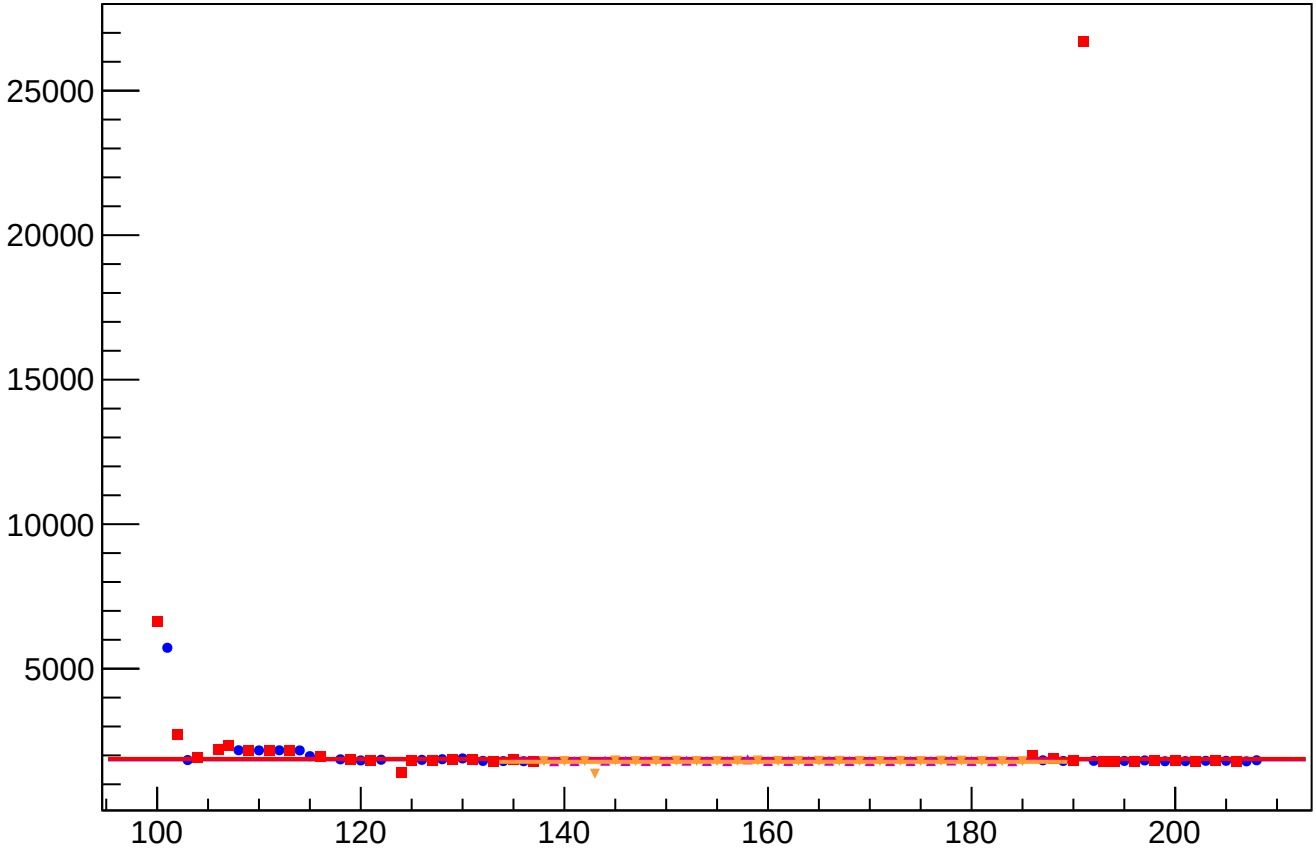
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -488.754+/-307.373 χ^2/NDF: 43.4/51

All: -17.454+/-219.831 χ^2/NDF: 98.2/105

- sign 476.031+/-314.525 χ^2/NDF: 50.0/53

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1862.645+/-0.334 χ^2/NDF: 674304.5/26

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1877.082+/-0.333 χ^2/NDF: 630046.8/30

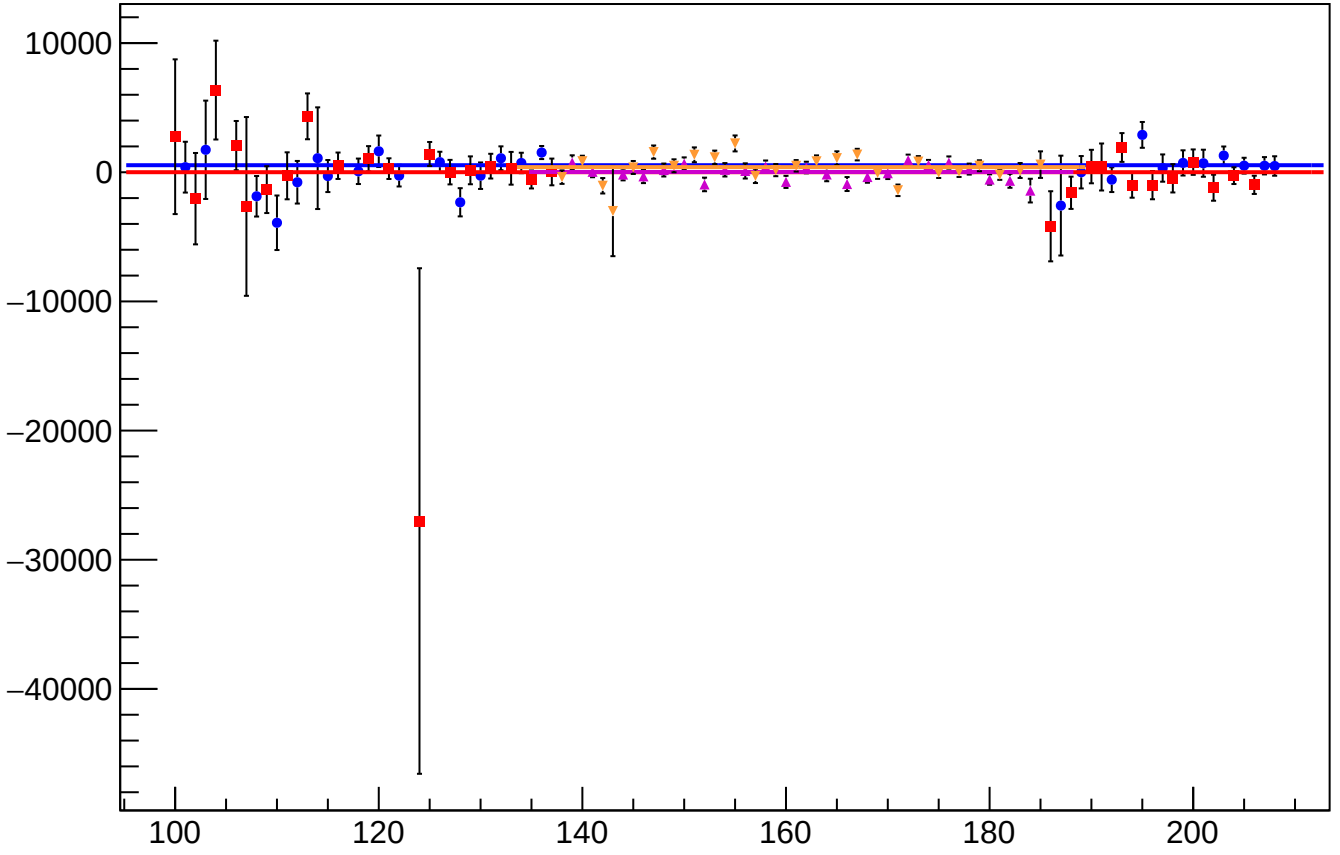
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.010+/-0.217 χ^2/NDF: 873728.4/51

All: 1826.472+/-0.155 χ^2/NDF: 1535359.9/10

- sign 1840.569+/-0.222 χ^2/NDF: 653777.8/53

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 546.052+/-184.123 χ^2/NDF: 30.7/26

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 4.421+/-202.258 χ^2/NDF: 31.2/30

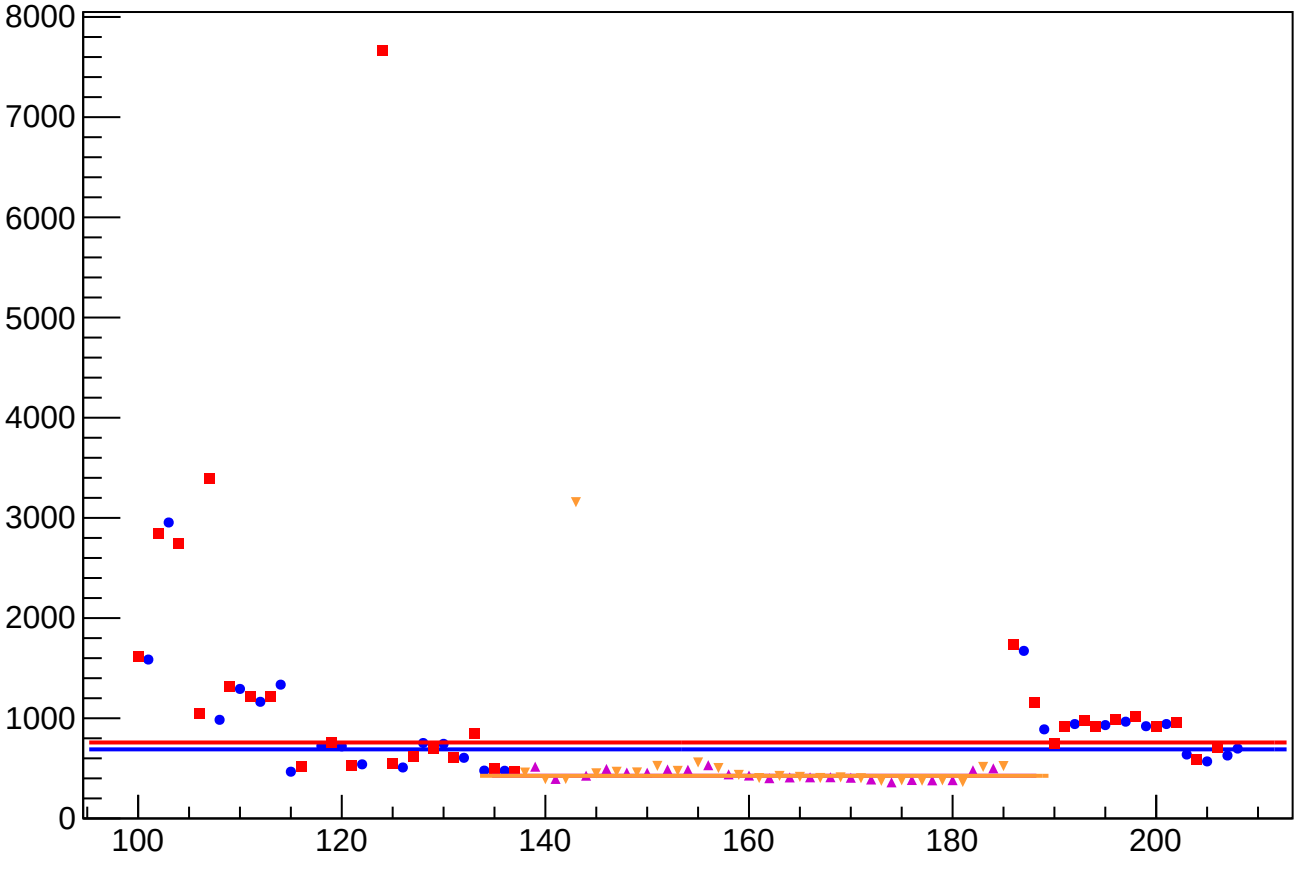
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 431.497+/-87.307 χ^2/NDF: 91.7/51

All: 230.685+/-62.609 χ^2/NDF: 164.6/105

- sign 18.093+/-89.832 χ^2/NDF: 62.1/53

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 689.549+/-0.130 χ^2/NDF: 3245573.9/26

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 758.358+/-0.143 χ^2/NDF: 4326553.5/30

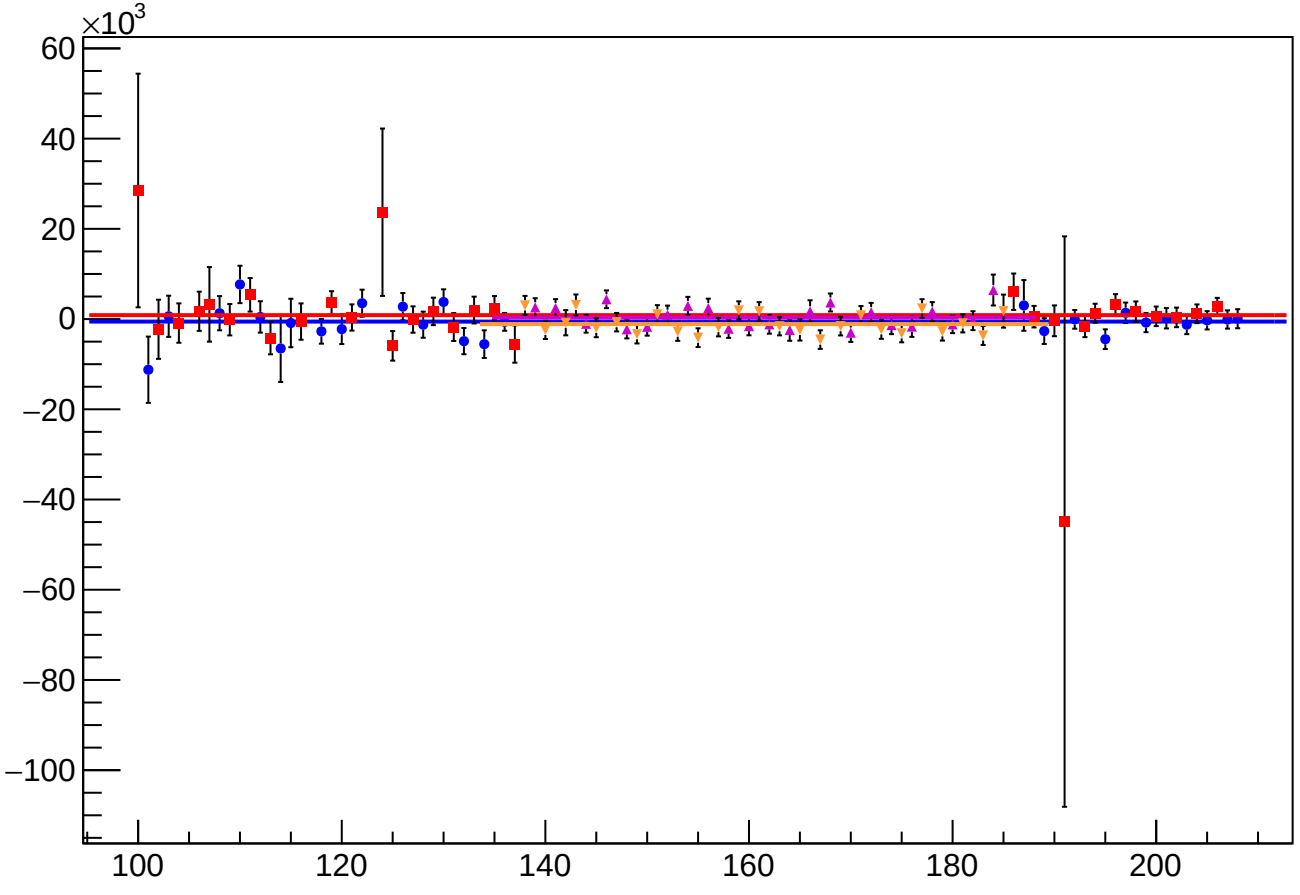
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 485.023+/-0.062 χ^2/NDF: 8147370.6/51

All: 488.256+/-0.044 χ^2/NDF: 17226364.7/10

- sign 491.678+/-0.064 χ^2/NDF: 9073348.2/53

asym_at1_dd_mean vs Slug



Right In: -555.564+/-523.337 χ^2/NDF: 23.7/26

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 869.151+/-534.483 χ^2/NDF: 22.0/30

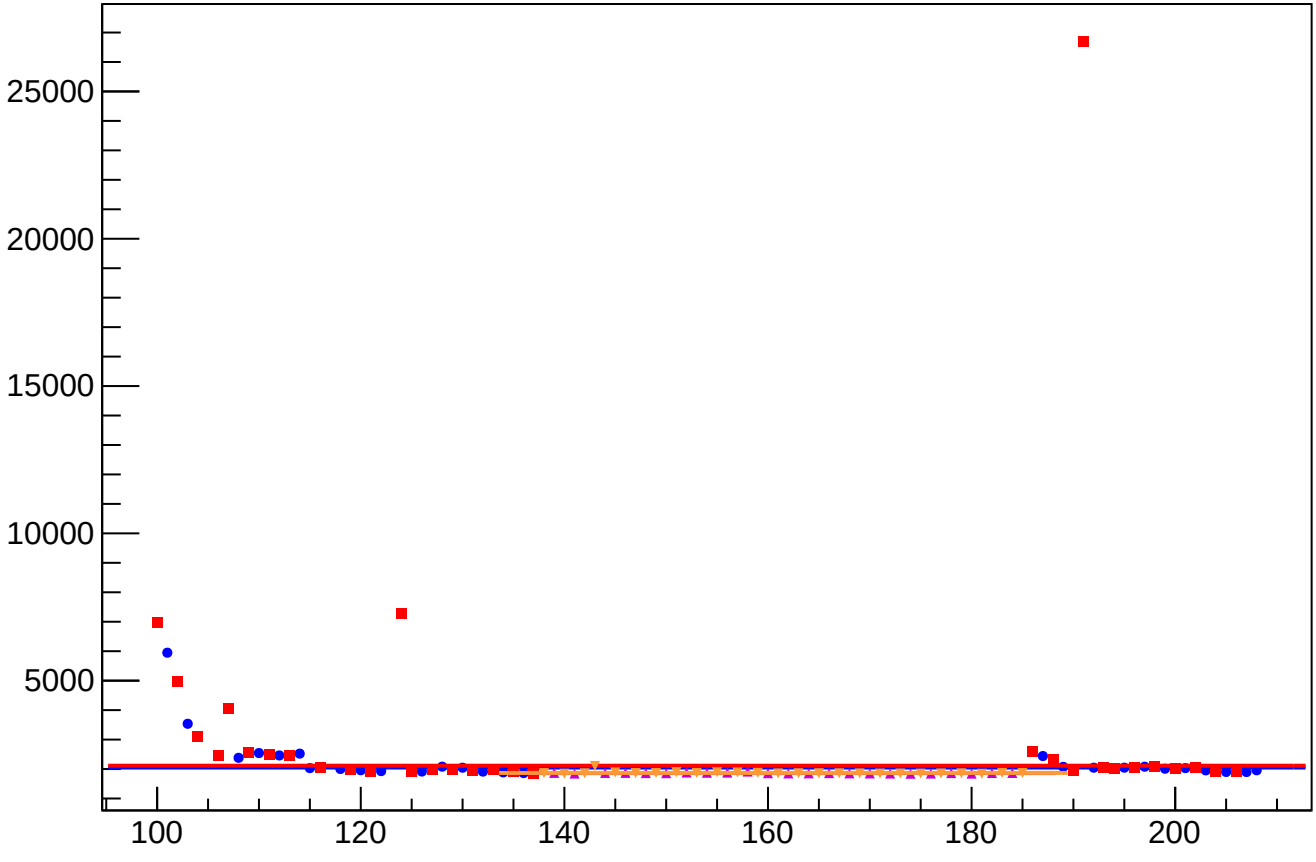
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -887.344+/-329.749 χ^2/NDF: 52.4/51

All: -182.630+/-235.812 χ^2/NDF: 113.1/105

- sign 554.985+/-337.358 χ^2/NDF: 51.3/53

asym_at1_dd_rms vs Slug



Right In: 2051.940+/-0.370 χ^2/NDF: 933880.2/26

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2113.245+/-0.378 χ^2/NDF: 1362629.9/30

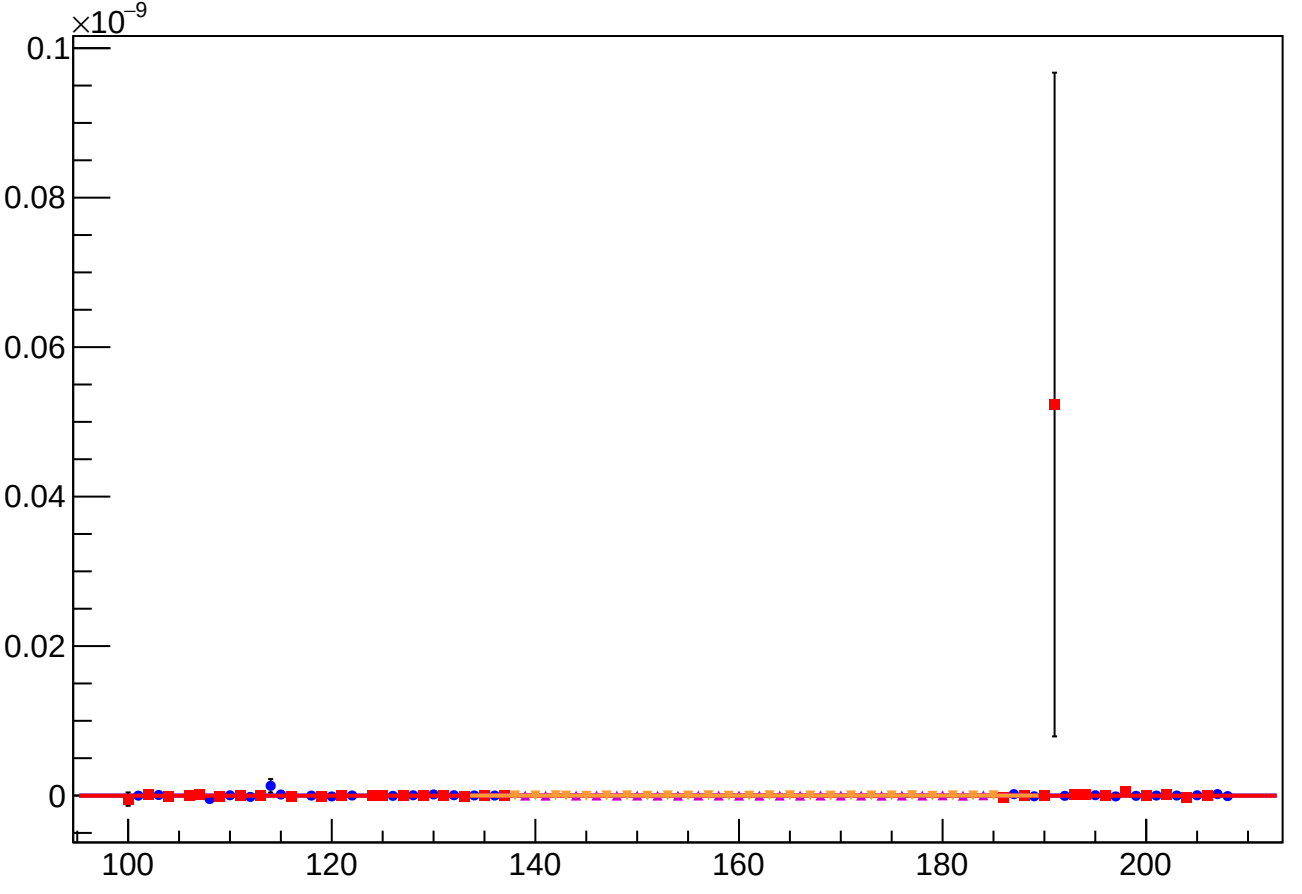
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1941.594+/-0.233 χ^2/NDF: 1104654.1/51

All: 1951.854+/-0.167 χ^2/NDF: 2738081.8/10

- sign 1962.594+/-0.239 χ^2/NDF: 1629464.3/53

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/30

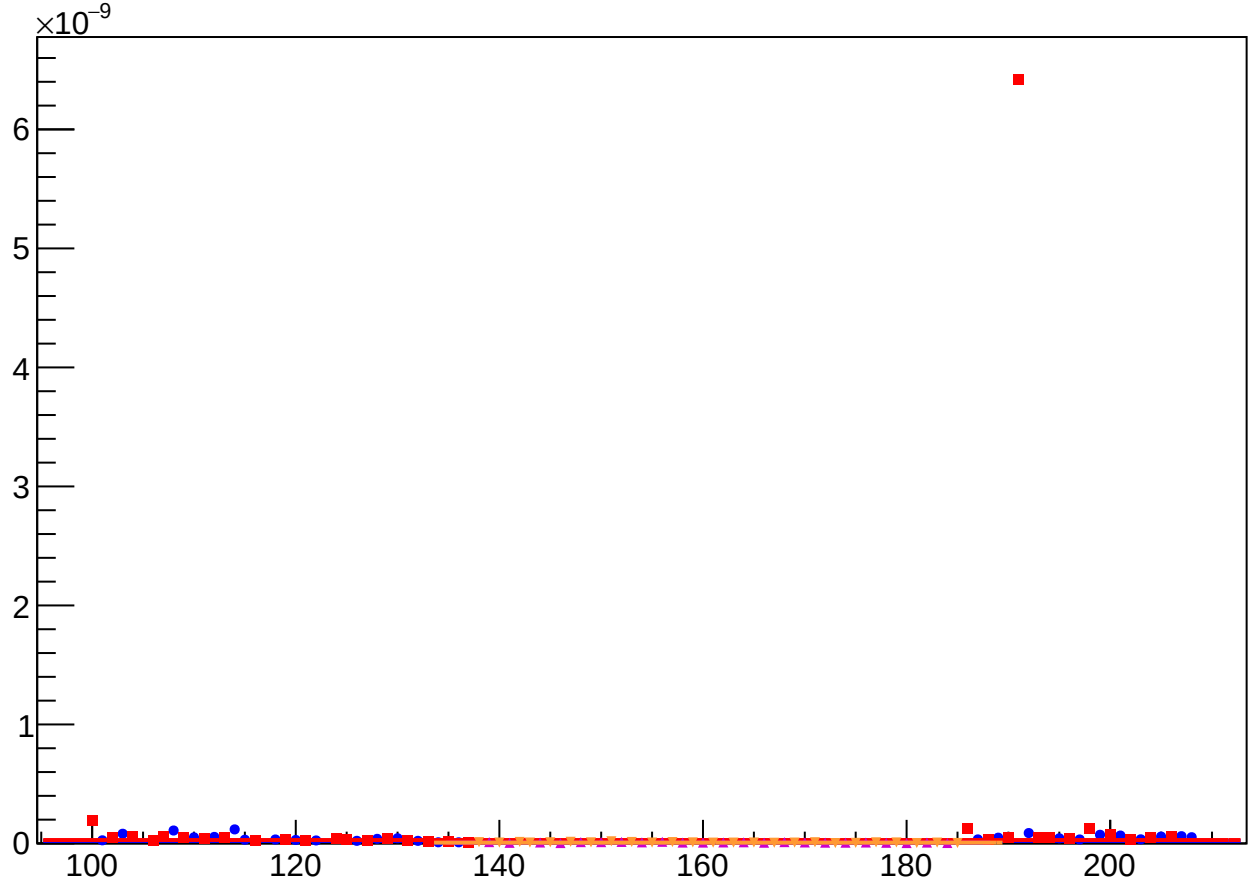
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.9/51

All: 0.000+/-0.000 χ^2/NDF: 122.2/105

- sign 0.000+/-0.000 χ^2/NDF: 52.7/53

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5100651.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3312418.8/30

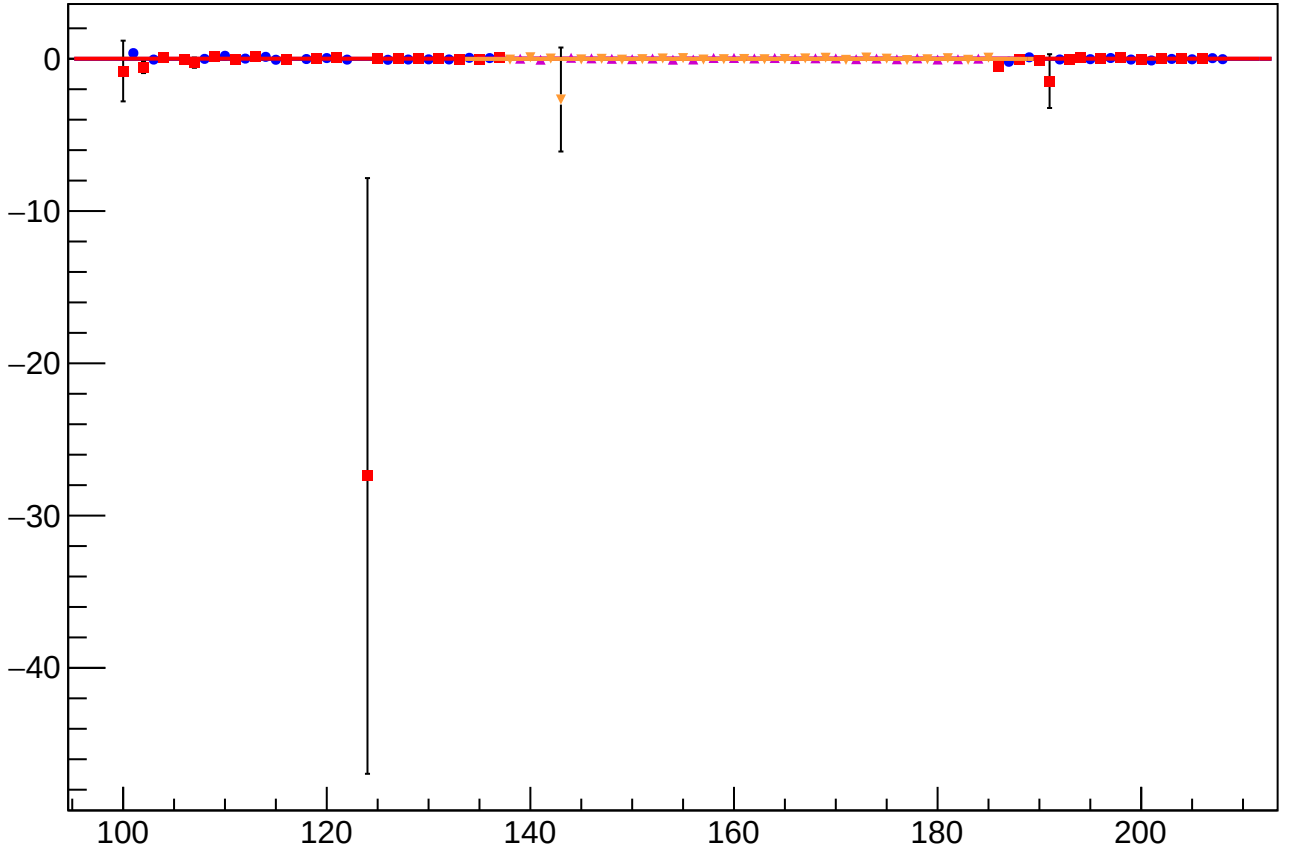
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10017909.8/51

All: 0.000+/-0.000 χ^2/NDF: 19626829.3/105

- sign 0.000+/-0.000 χ^2/NDF: 9607112.4/53

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.012 χ^2/NDF: 28.5/26

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.007+/-0.012 χ^2/NDF: 26.1/30

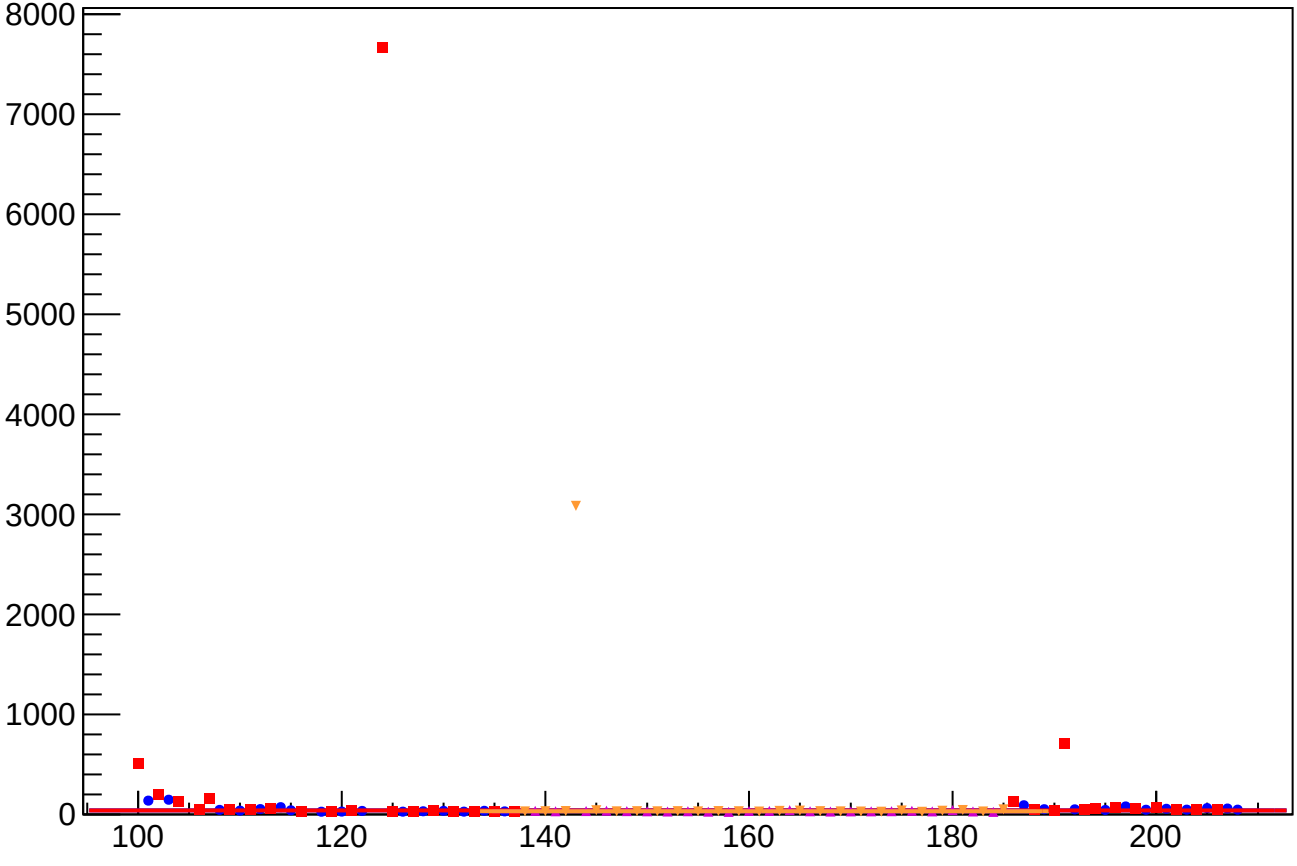
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.009+/-0.007 χ^2/NDF: 68.1/51

All: -0.002+/-0.005 χ^2/NDF: 117.1/105

\- sign 0.005+/-0.007 χ^2/NDF: 47.0/53

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.760+/-0.008 χ^2/NDF: 3268899.2/26

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

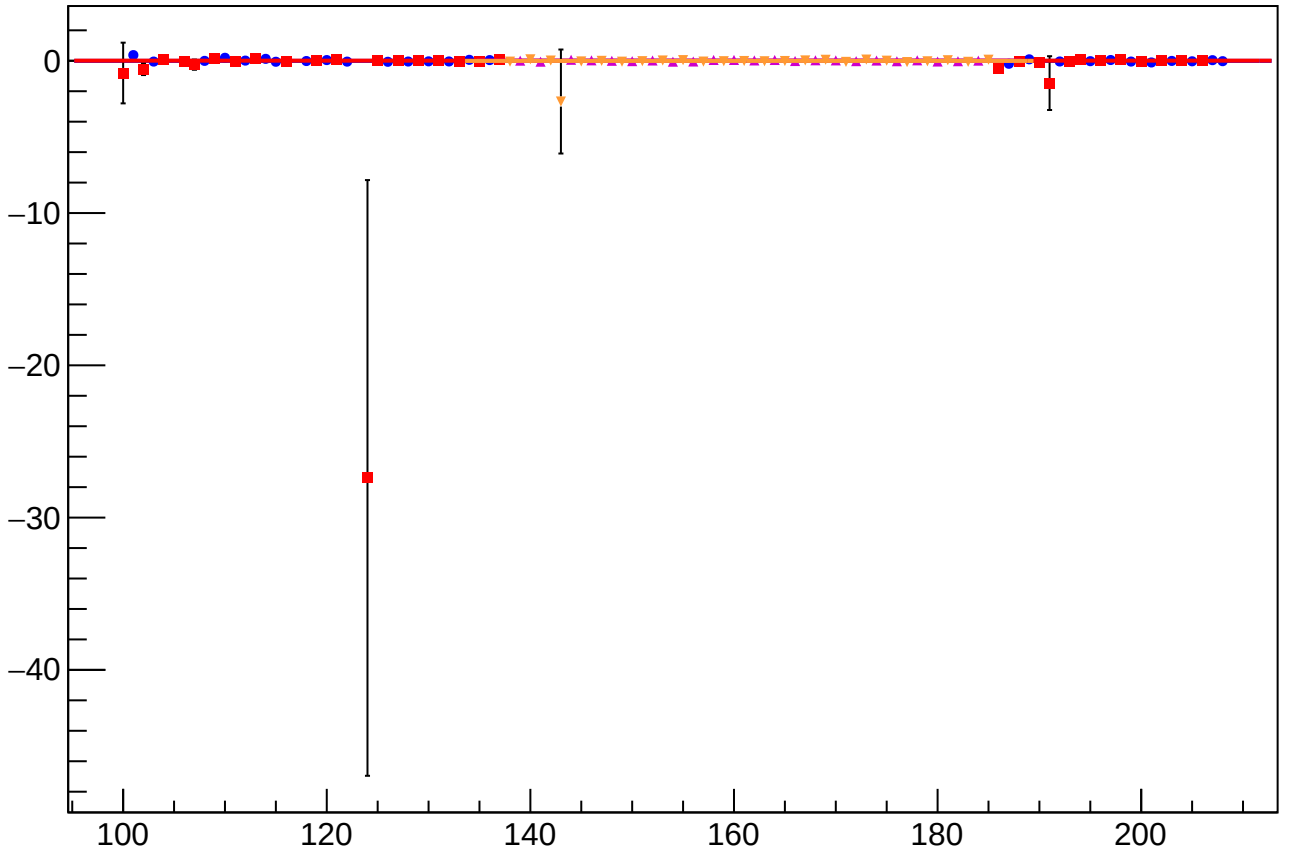
Right Out: 40.237+/-0.008 χ^2/NDF: 4276161.5/30

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 35.050+/-0.005 χ^2/NDF: 6083944.0/51

All: 35.009+/-0.003 χ^2/NDF: 11365931.9/105

- sign 34.968+/-0.005 χ^2/NDF: 5281841.8/53



Right In: -0.007+/-0.012 χ^2/NDF: 28.5/26

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.007+/-0.012 χ^2/NDF: 26.1/30

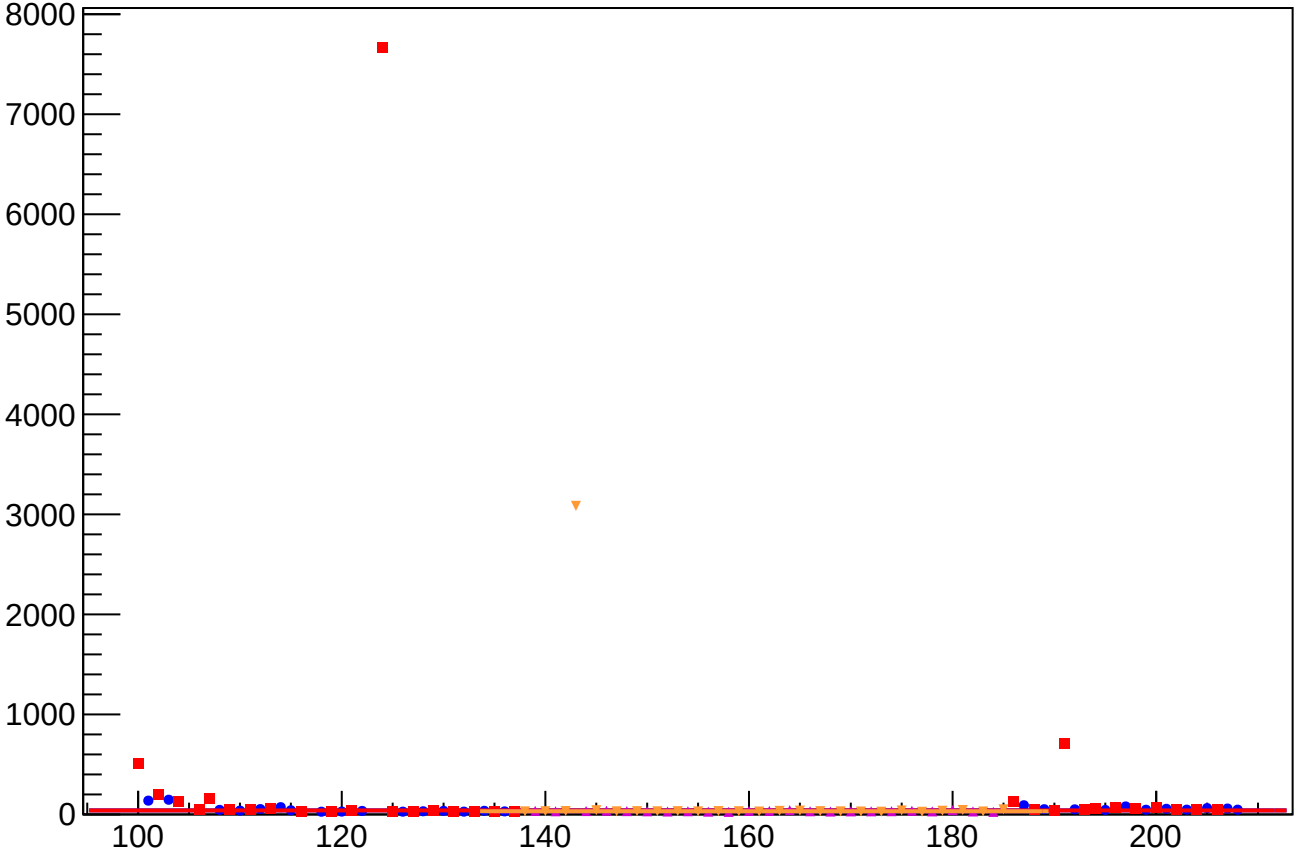
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 68.1/51

All: -0.002+/-0.005 χ^2/NDF: 117.1/105

- sign 0.005+/-0.007 χ^2/NDF: 47.0/53

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.760+/-0.008 χ^2/NDF: 3268899.2/26

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

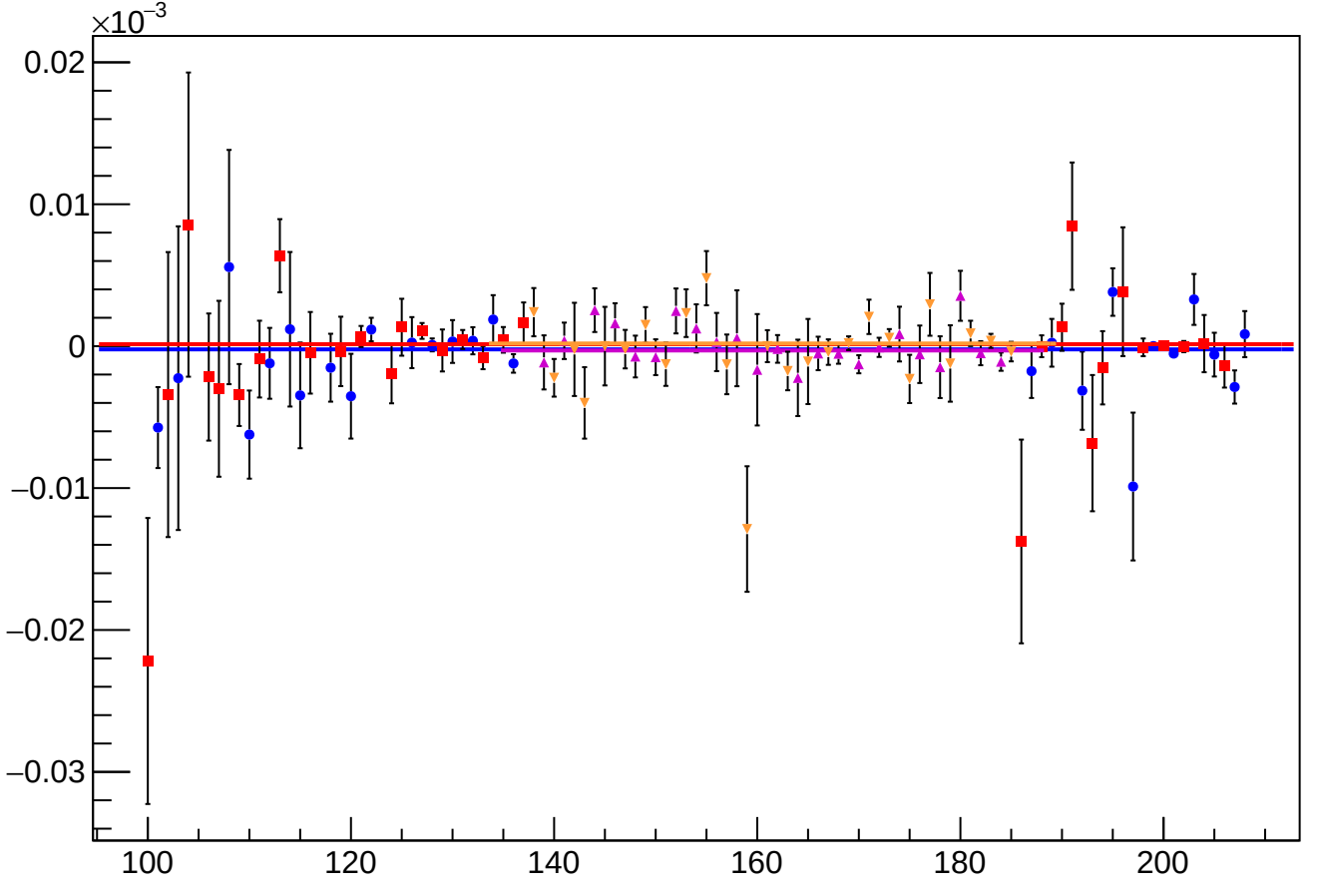
Right Out: 40.237+/-0.008 χ^2/NDF: 4276161.5/30

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 35.050+/-0.005 χ^2/NDF: 6083944.0/51

All: 35.009+/-0.003 χ^2/NDF: 11365931.9/105

- sign 34.968+/-0.005 χ^2/NDF: 5281841.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 40.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

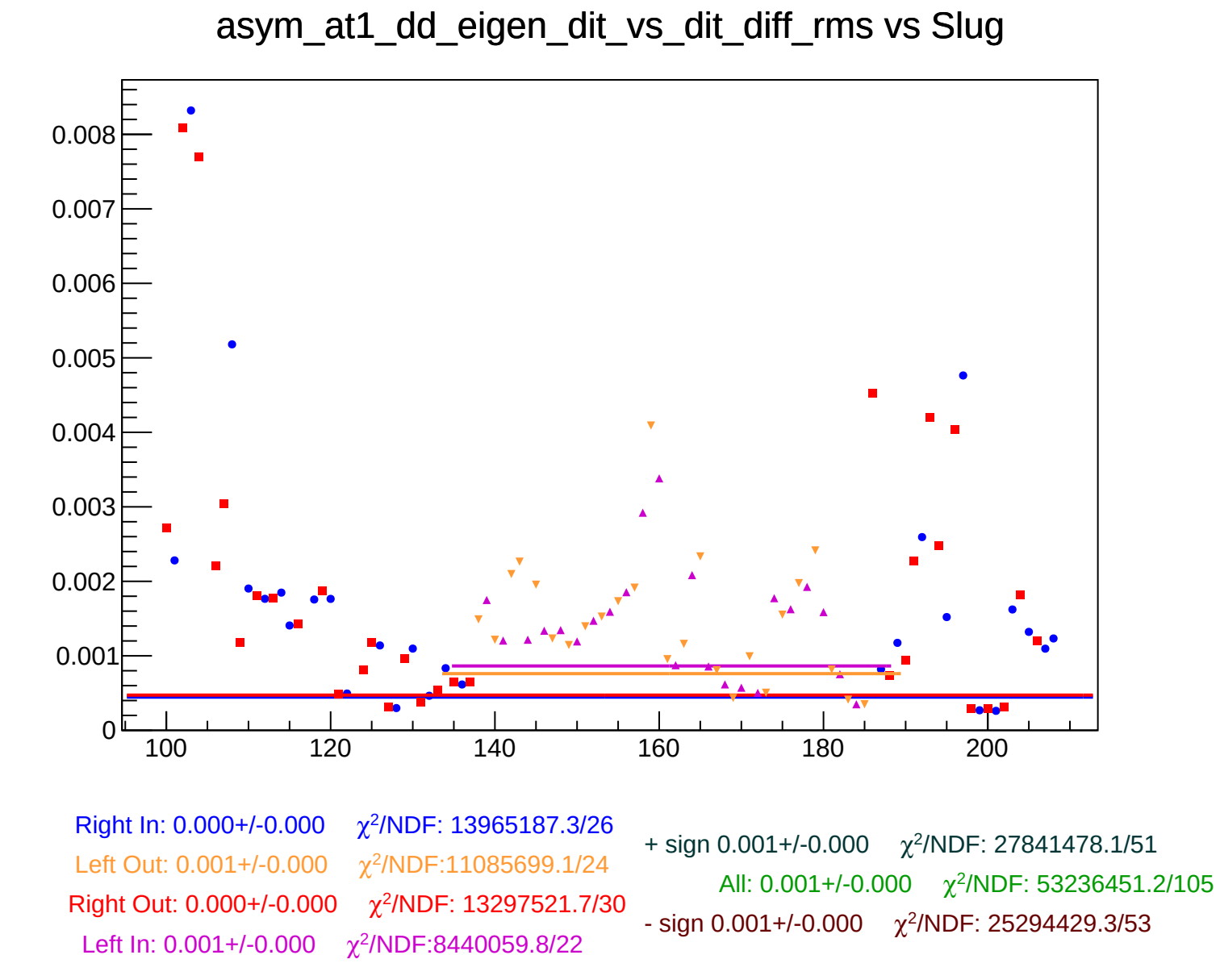
Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/30

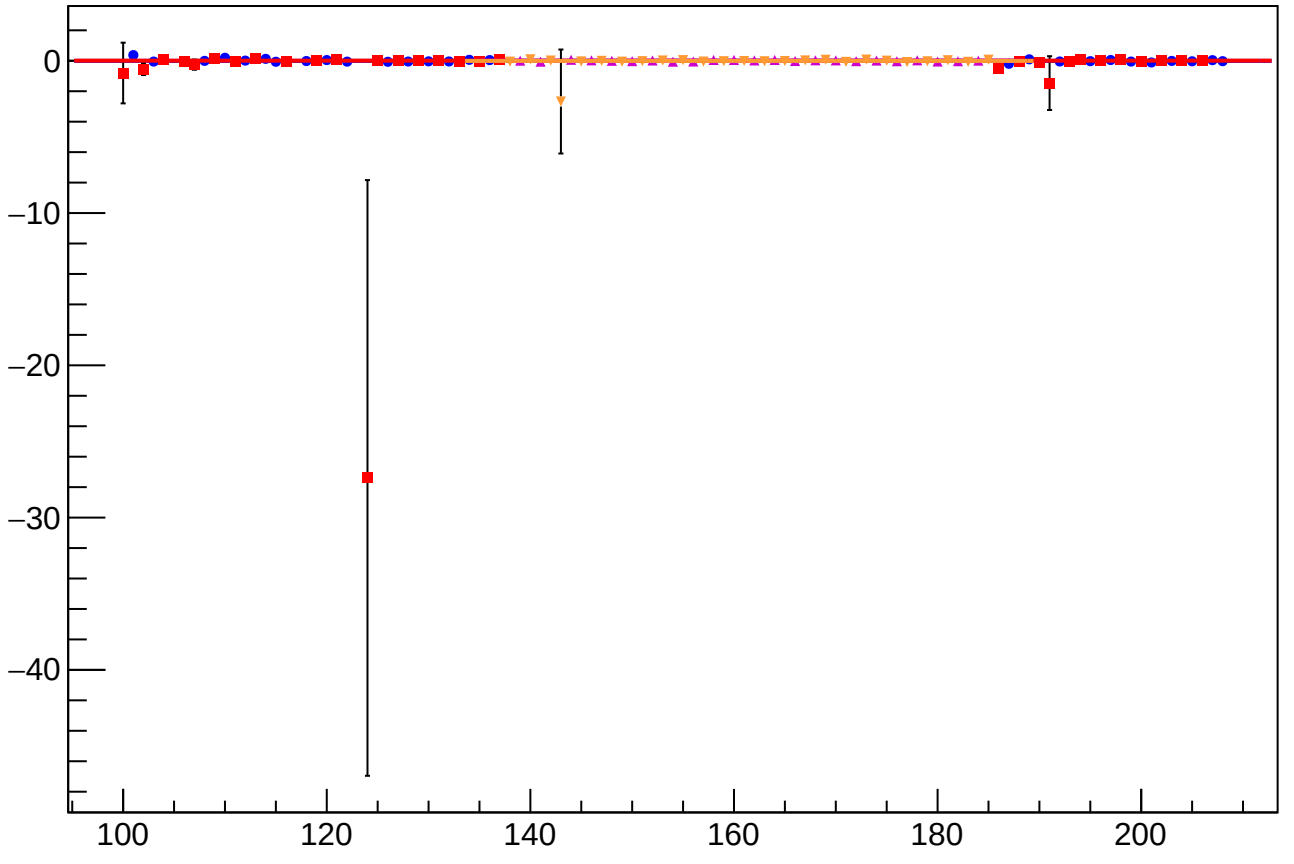
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.4/51

All: -0.000+/-0.000 χ^2/NDF: 138.0/105

- sign -0.000+/-0.000 χ^2/NDF: 57.5/53


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 13965187.3/26
Left Out: 0.001+/-0.000 χ²/NDF:11085699.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 13297521.7/30
Left In: 0.001+/-0.000 χ²/NDF:8440059.8/22
+ sign 0.001+/-0.000 χ²/NDF: 27841478.1/51
All: 0.001+/-0.000 χ²/NDF: 53236451.2/105
- sign 0.001+/-0.000 χ²/NDF: 25294429.3/53



Right In: -0.007+/-0.012 χ^2/NDF: 28.5/26

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.007+/-0.012 χ^2/NDF: 26.1/30

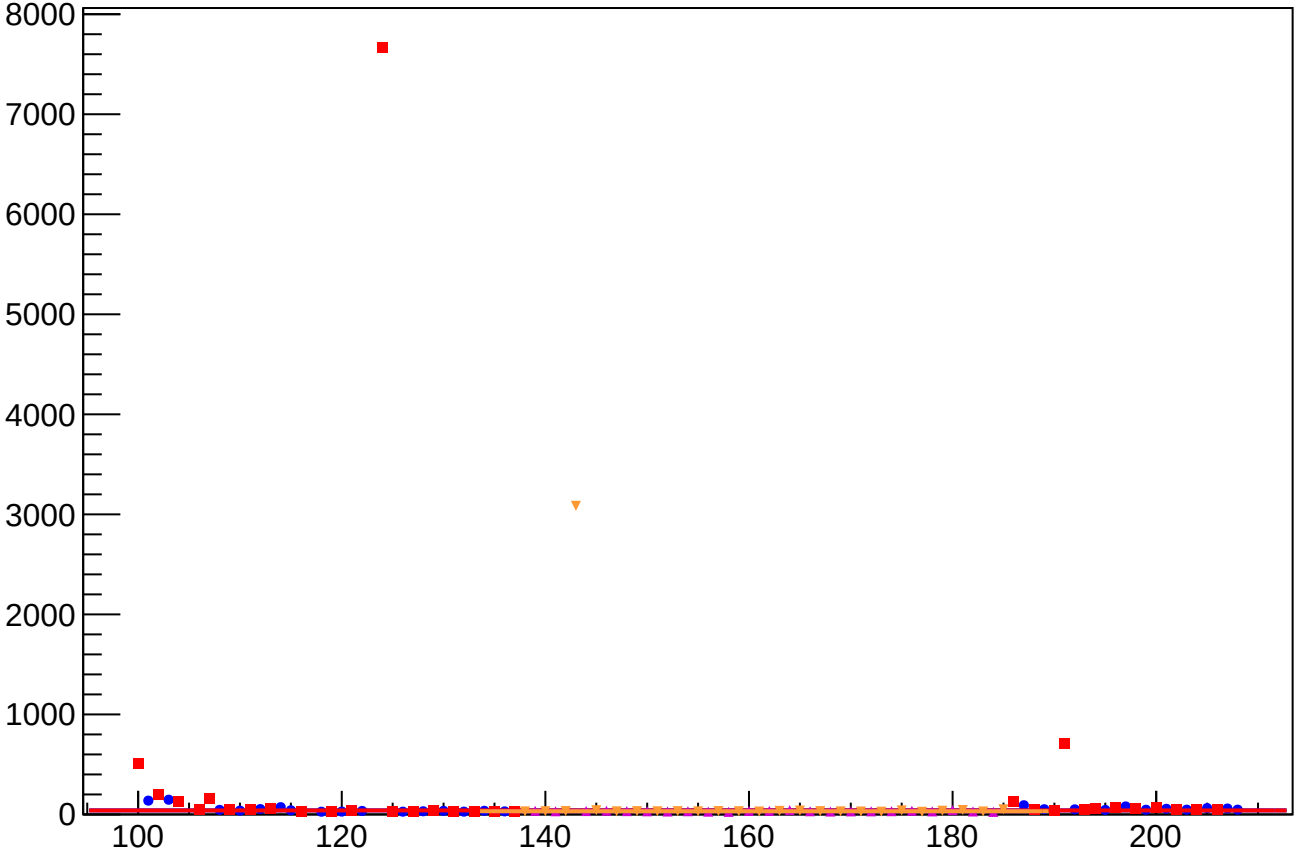
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 68.1/51

All: -0.002+/-0.005 χ^2/NDF: 117.1/105

- sign 0.005+/-0.007 χ^2/NDF: 47.0/53

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 40.760+/-0.008 χ^2/NDF: 3268892.0/26

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

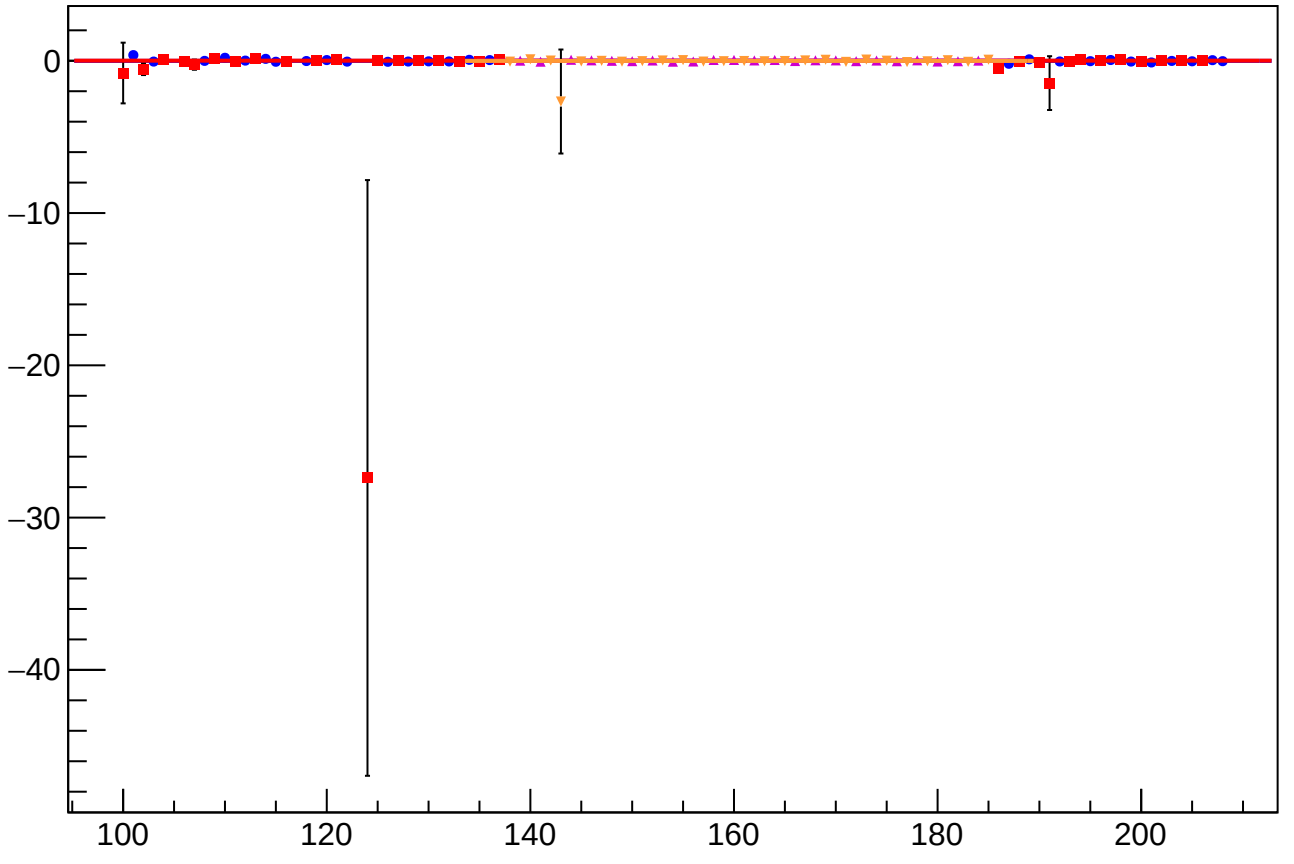
Right Out: 40.237+/-0.008 χ^2/NDF: 4276179.4/30

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 35.050+/-0.005 χ^2/NDF: 6083993.2/51

All: 35.009+/-0.003 χ^2/NDF: 11365878.9/105

- sign 34.968+/-0.005 χ^2/NDF: 5281740.4/53



Right In: -0.007+/-0.012 χ^2/NDF: 28.5/26

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

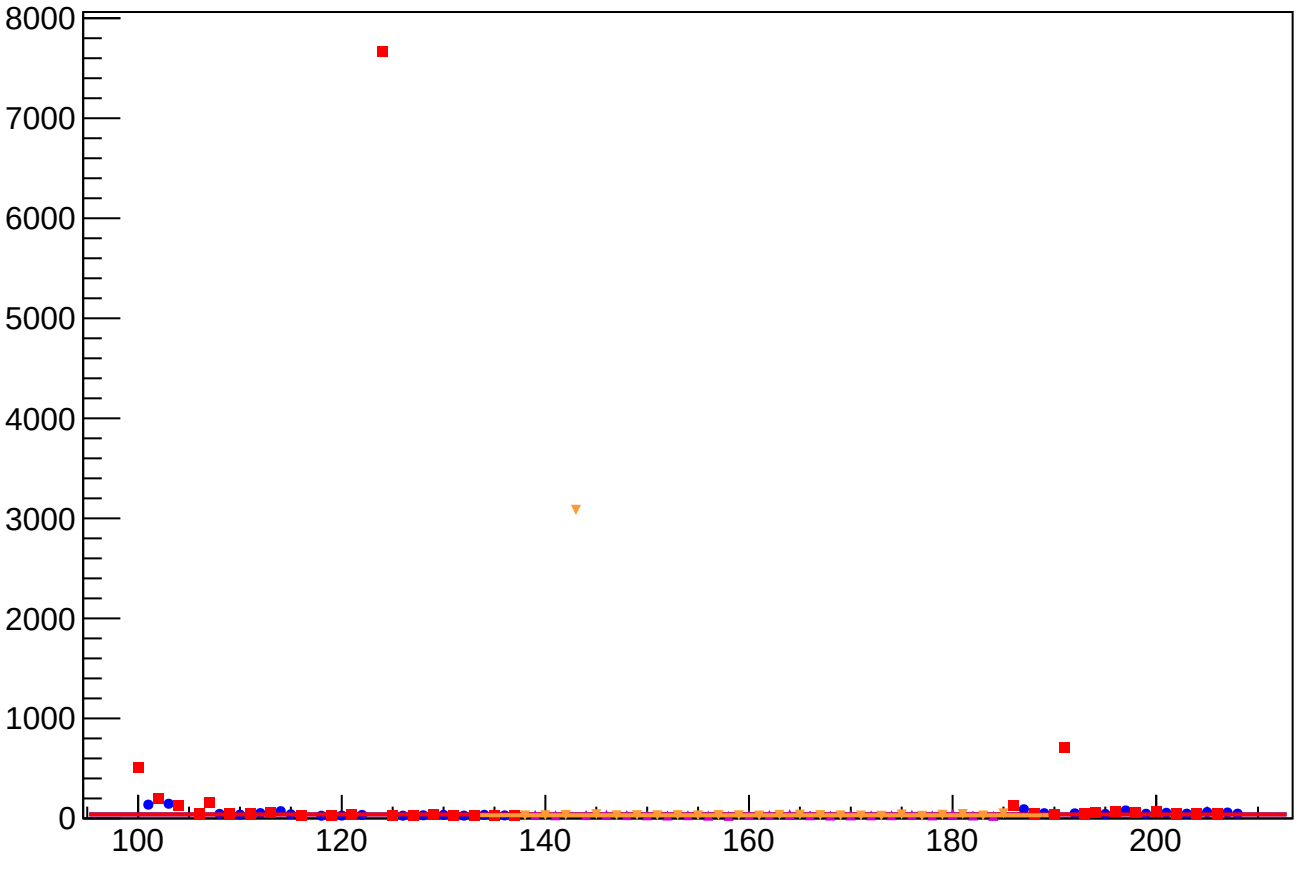
Right Out: 0.007+/-0.012 χ^2/NDF: 26.1/30

Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 68.1/51

All: -0.002+/-0.005 χ^2/NDF: 117.1/105

- sign 0.005+/-0.007 χ^2/NDF: 47.0/53



Right In: 40.760+/-0.008 χ^2/NDF: 3268892.0/26

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 40.237+/-0.008 χ^2/NDF: 4276179.4/30

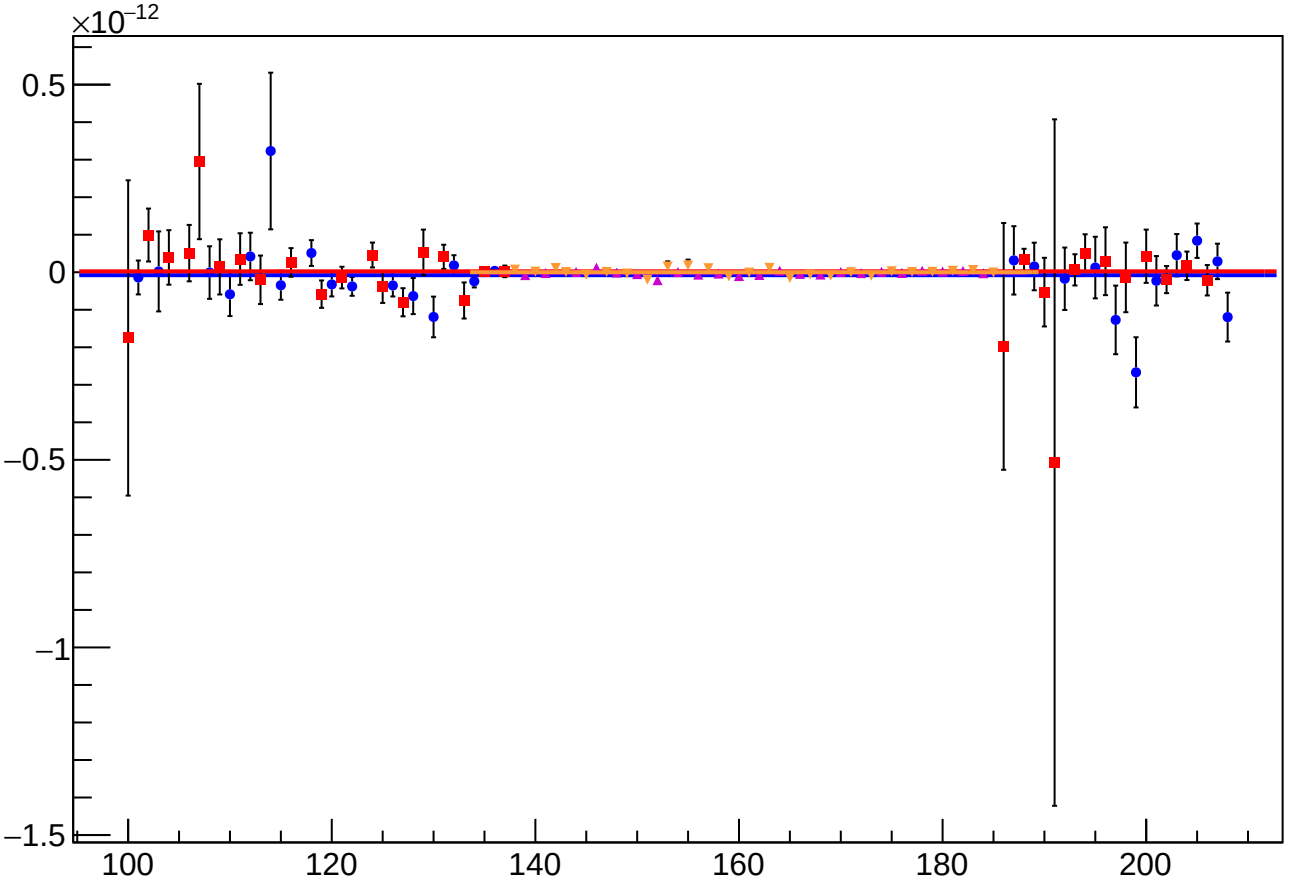
Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 35.050+/-0.005 χ^2/NDF: 6083993.2/51

All: 35.009+/-0.003 χ^2/NDF: 11365878.9/105

- sign 34.968+/-0.005 χ^2/NDF: 5281740.4/53

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 37.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

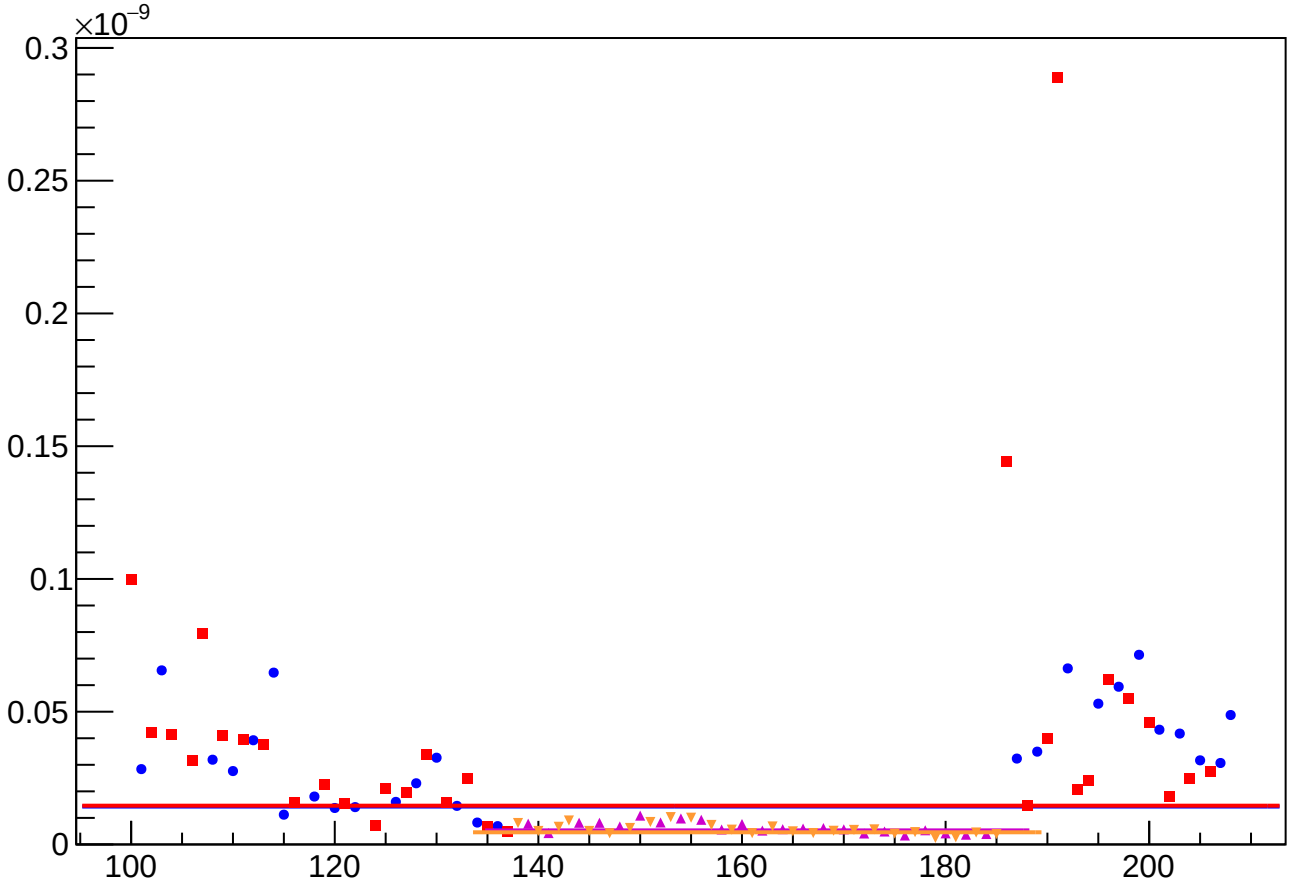
Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/30

Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.2/51

All: -0.000+/-0.000 χ^2/NDF: 94.9/105

- sign -0.000+/-0.000 χ^2/NDF: 34.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 7938905.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6426769.3/30

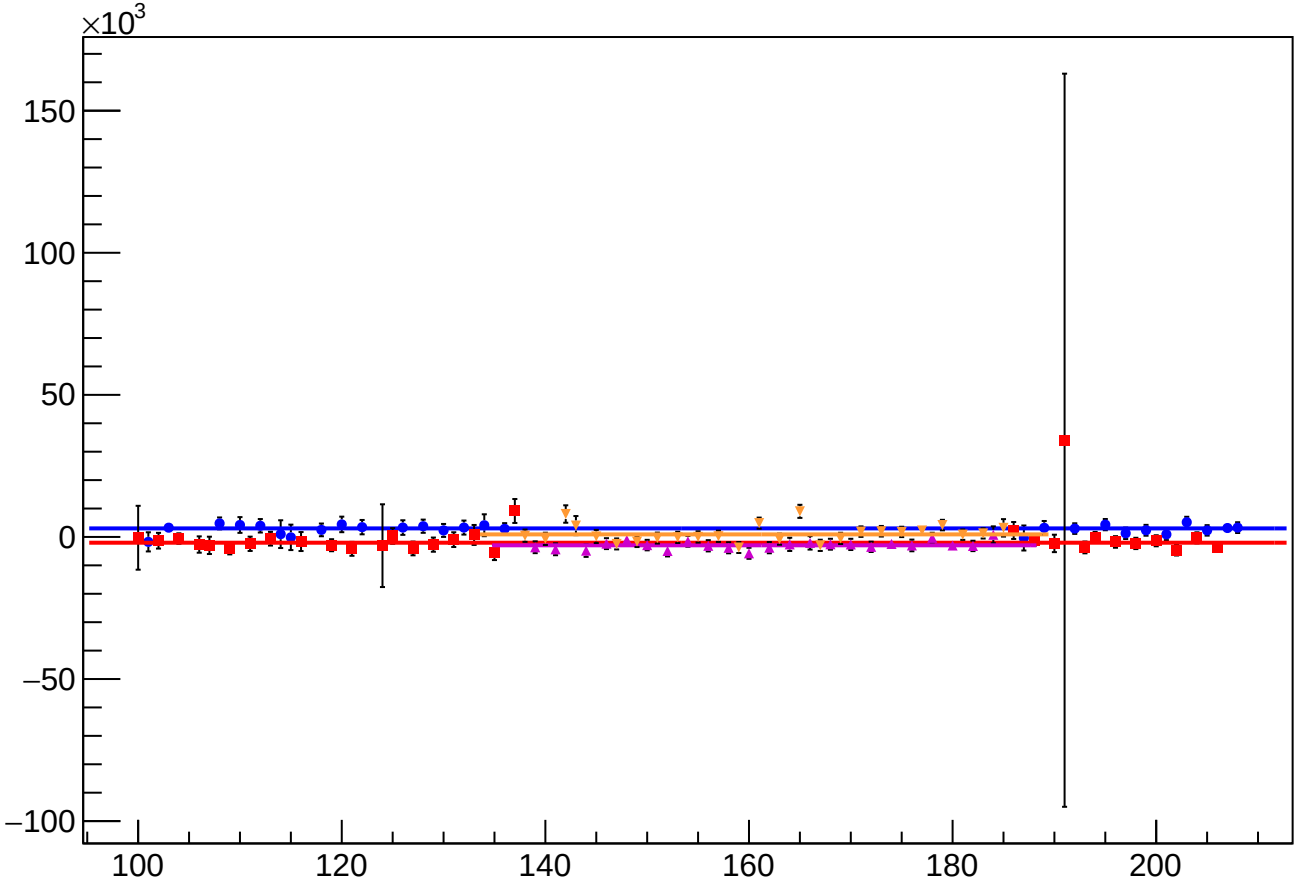
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 15538858.7/51

All: 0.000+/-0.000 χ^2/NDF: 28310976.2/105

- sign 0.000+/-0.000 χ^2/NDF: 12525998.0/53

reg_asym_at2_avg_mean vs Slug



Right In: 3007.460+/-435.558 χ^2/NDF: 8.8/26

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -2030.756+/-434.860 χ^2/NDF: 21.9/30

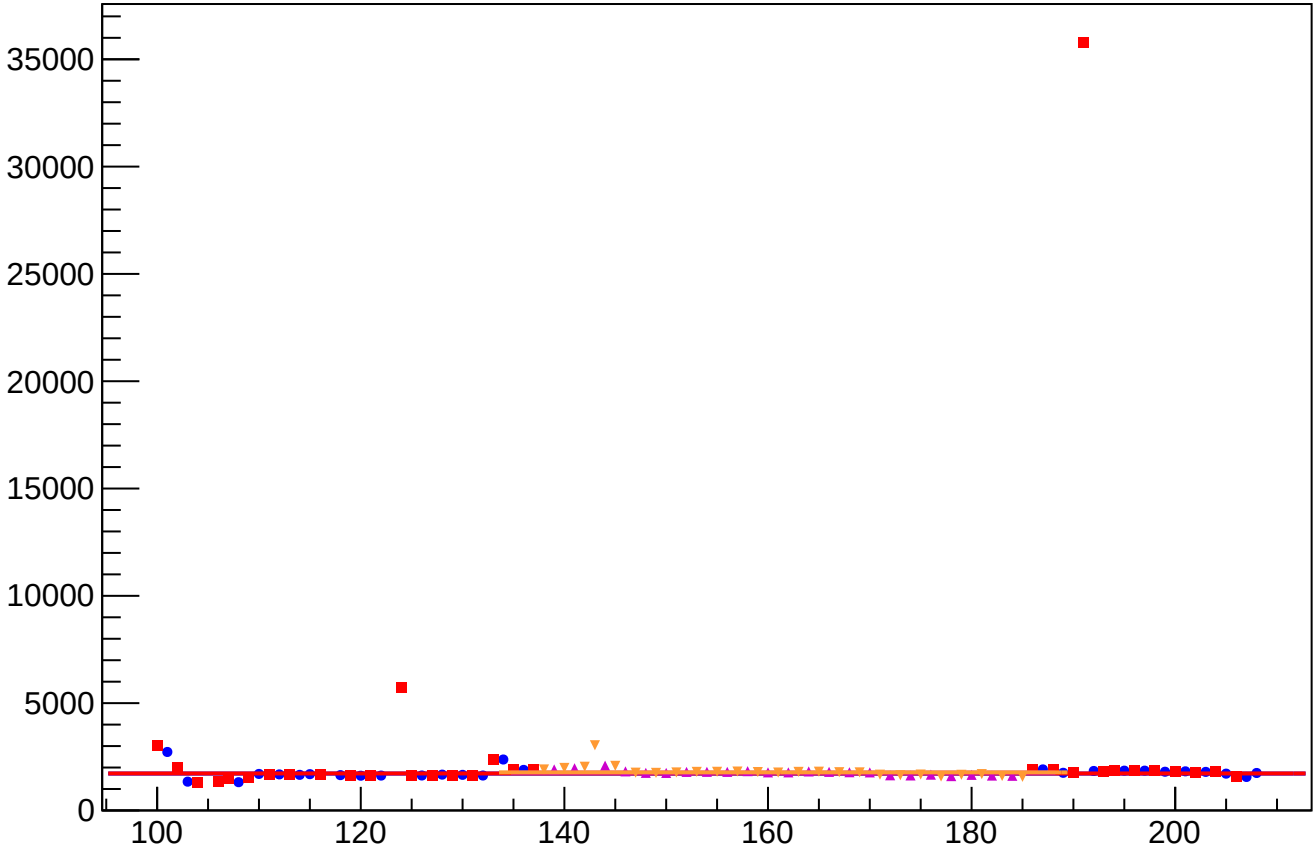
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1878.035+/-296.806 χ^2/NDF: 66.6/51

All: -299.791+/-210.683 χ^2/NDF: 210.0/105

- sign -2511.560+/-299.110 χ^2/NDF: 34.8/53

reg_asym_at2_avg_rms vs Slug



Right In: 1718.147+/-0.308 χ^2/NDF: 493661.6/26

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1724.138+/-0.307 χ^2/NDF: 692577.8/30

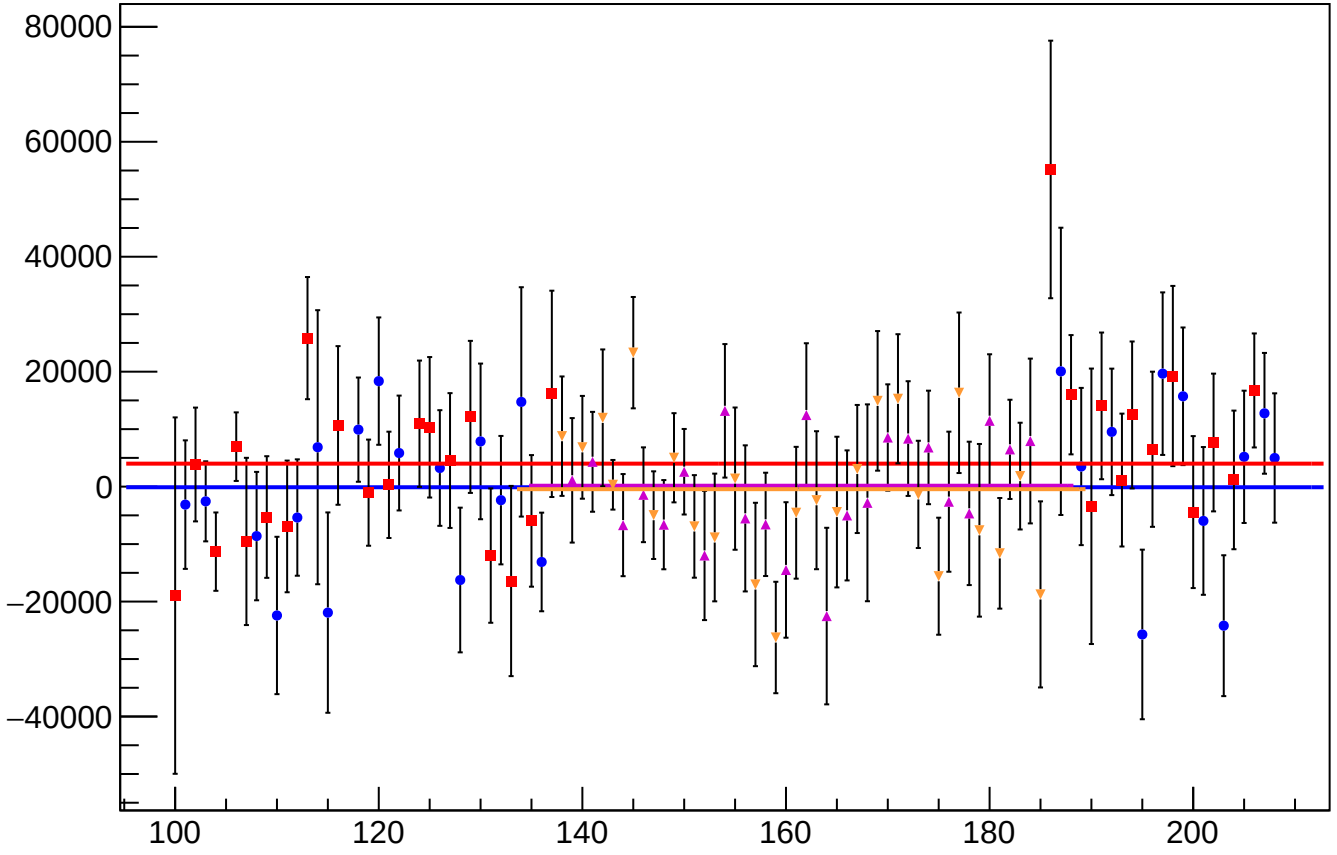
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1748.456+/-0.210 χ^2/NDF: 958637.3/51

All: 1746.050+/-0.149 χ^2/NDF: 1805355.0/10

- sign 1743.607+/-0.212 χ^2/NDF: 846452.8/53

asym_at2_avg_reg_correction_mean vs Slug



Right In: -108.727+/-2225.874 χ^2/NDF: 28.9/26

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 3997.540+/-2035.358 χ^2/NDF: 29.9/30

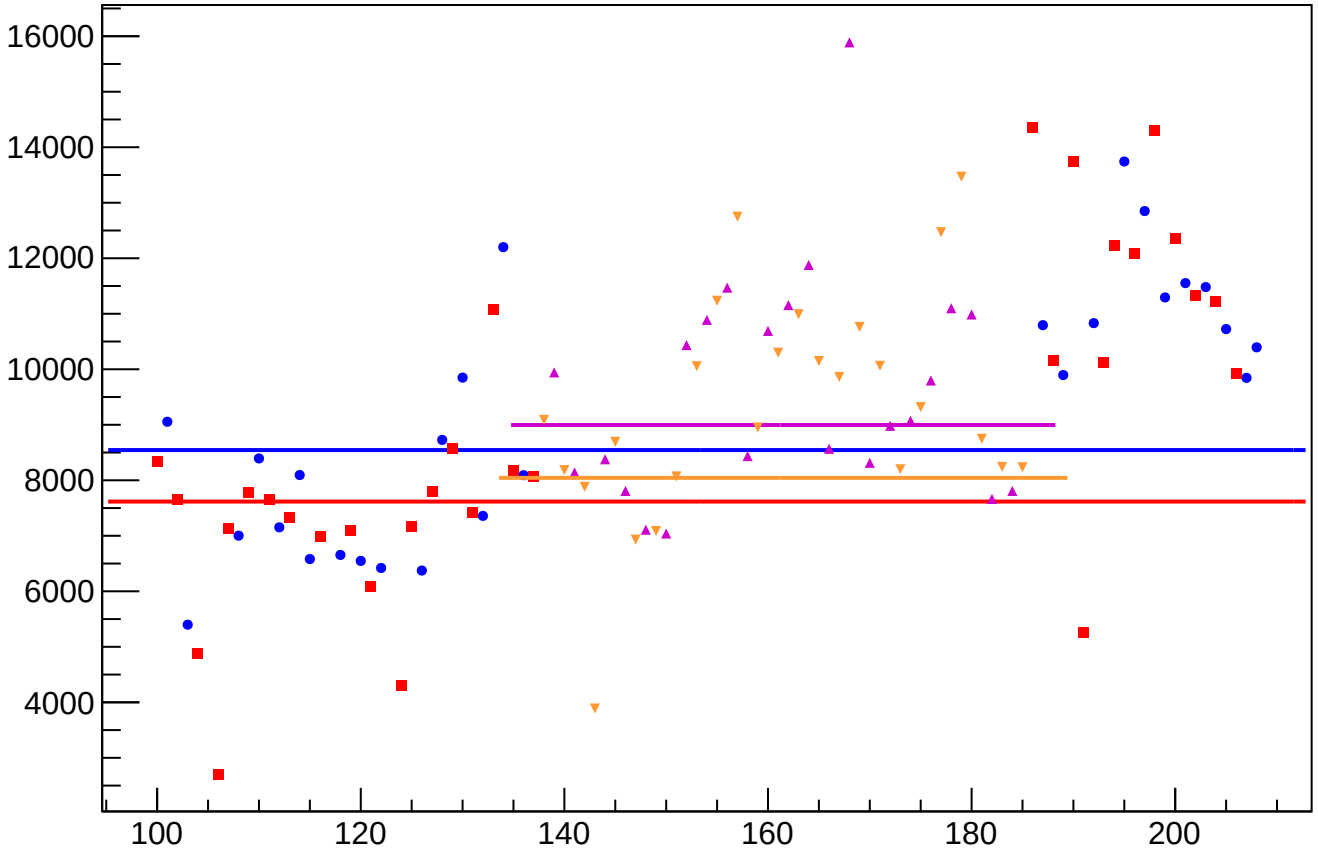
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -300.113+/-1456.286 χ^2/NDF: 58.4/51

All: 921.210+/-1036.636 χ^2/NDF: 105.2/105

- sign 2175.759+/-1475.962 χ^2/NDF: 45.4/53

asym_at2_avg_reg_correction_rms vs Slug



Right In: 8544.345+/-1.574 χ^2/NDF: 2006184.5/26

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 7616.548+/-1.439 χ^2/NDF: 4210515.4/30

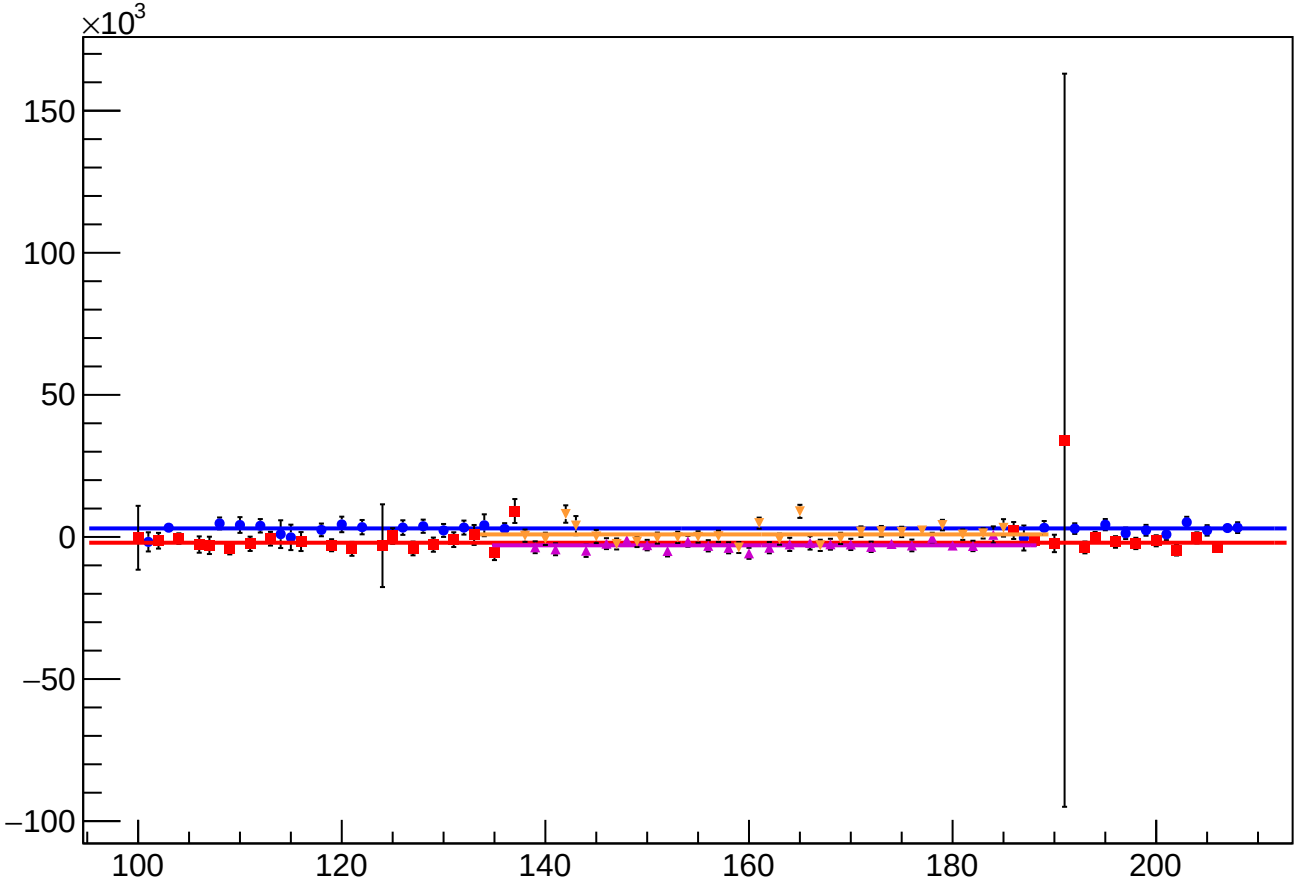
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 8258.077+/-1.030 χ^2/NDF: 5426861.5/51

All: 8264.168+/-0.733 χ^2/NDF: 11279927.5/1

- sign 8270.425+/-1.044 χ^2/NDF: 5852995.0/53

cor_asym_at2_avg_mean vs Slug



Right In: 3007.520+/-435.558 χ^2/NDF: 8.8/26

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -2030.674+/-434.860 χ^2/NDF: 21.9/30

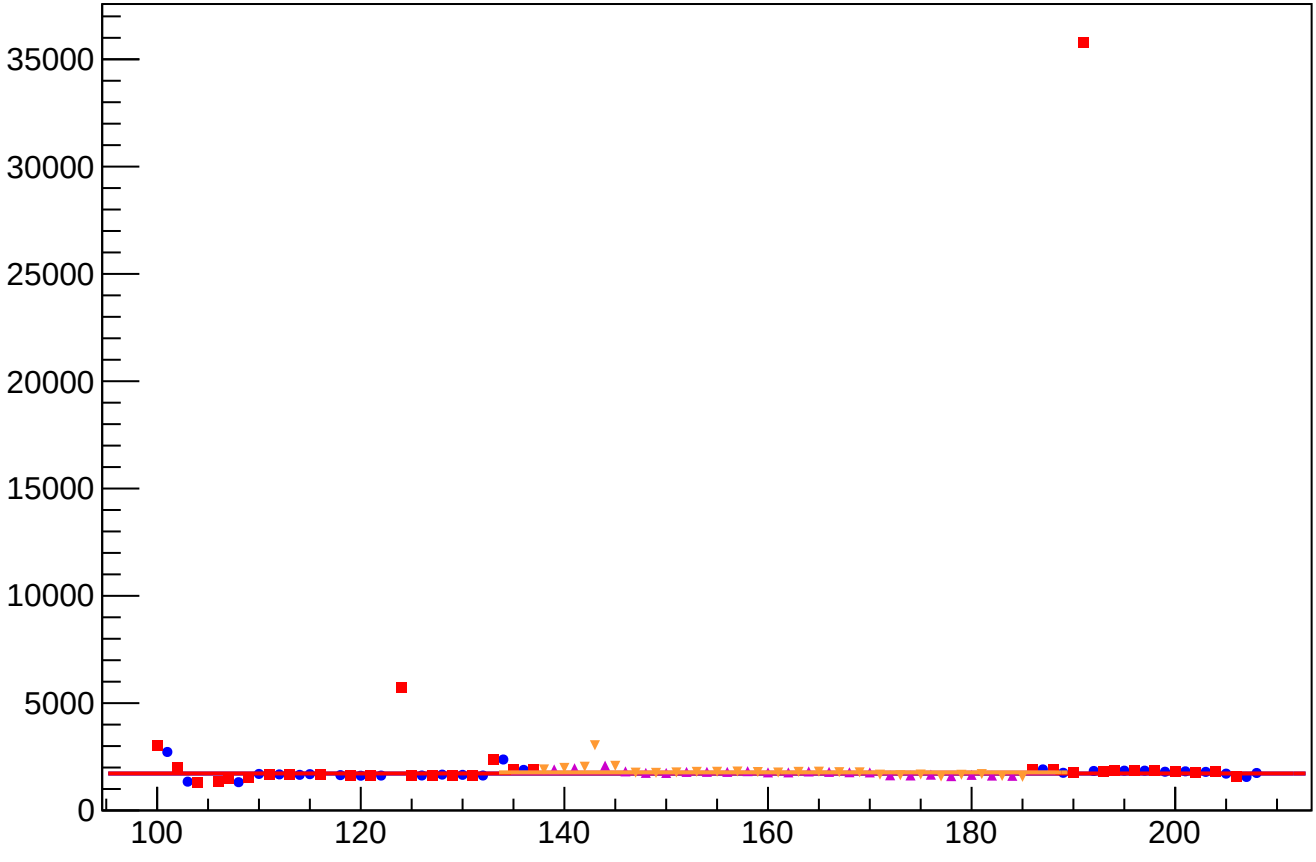
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1878.020+/-296.806 χ^2/NDF: 66.6/51

All: -299.749+/-210.683 χ^2/NDF: 210.0/105

- sign -2511.461+/-299.110 χ^2/NDF: 34.8/53

cor_asym_at2_avg_rms vs Slug



Right In: 1718.147+/-0.308 χ^2/NDF: 493662.0/26

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1724.138+/-0.307 χ^2/NDF: 692578.0/30

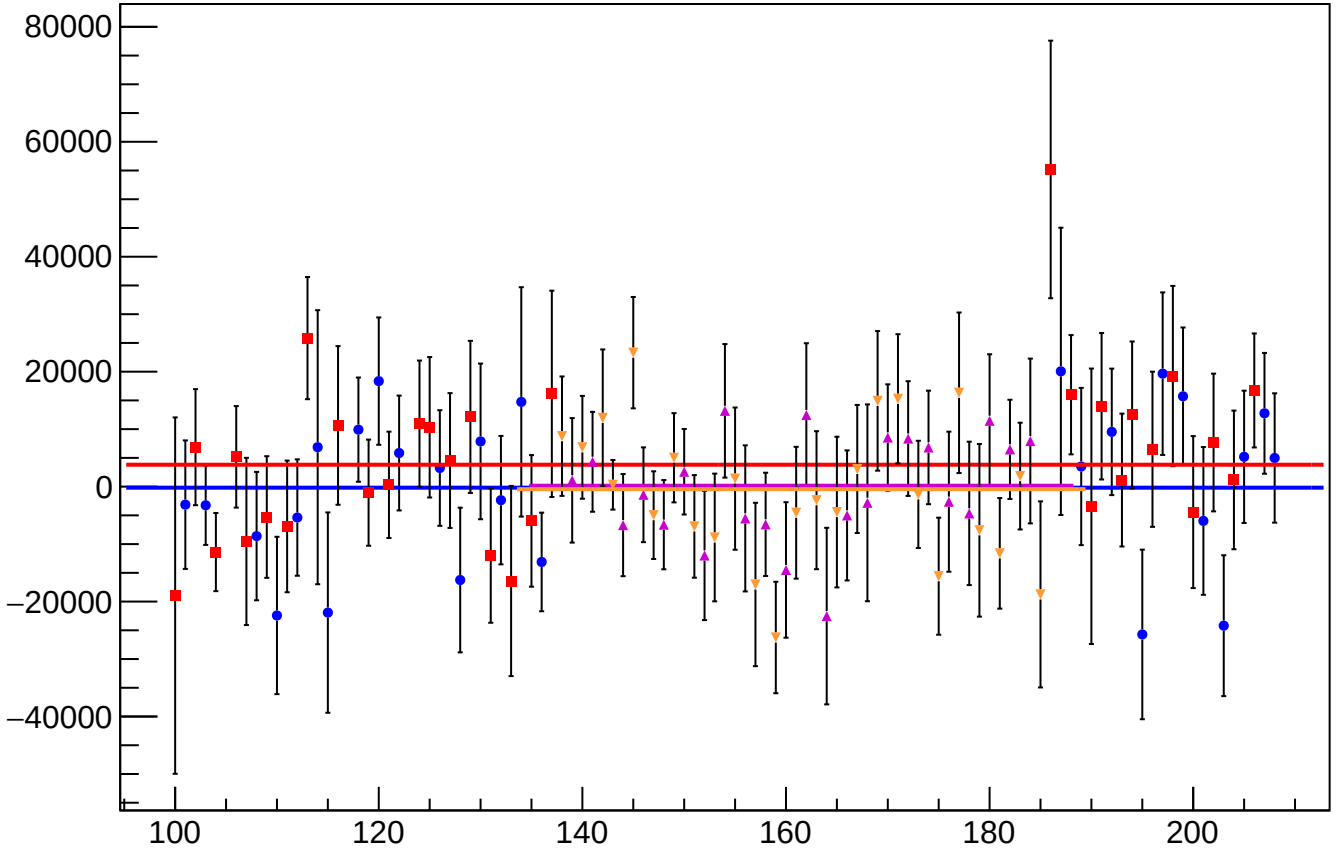
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1748.456+/-0.210 χ^2/NDF: 958637.8/51

All: 1746.050+/-0.149 χ^2/NDF: 1805355.6/10

- sign 1743.607+/-0.212 χ^2/NDF: 846453.0/53

asym_at2_avg_cor_correction_mean vs Slug



Right In: -183.515+/-2223.916 χ^2/NDF: 29.0/26

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3811.600+/-2104.180 χ^2/NDF: 29.8/30

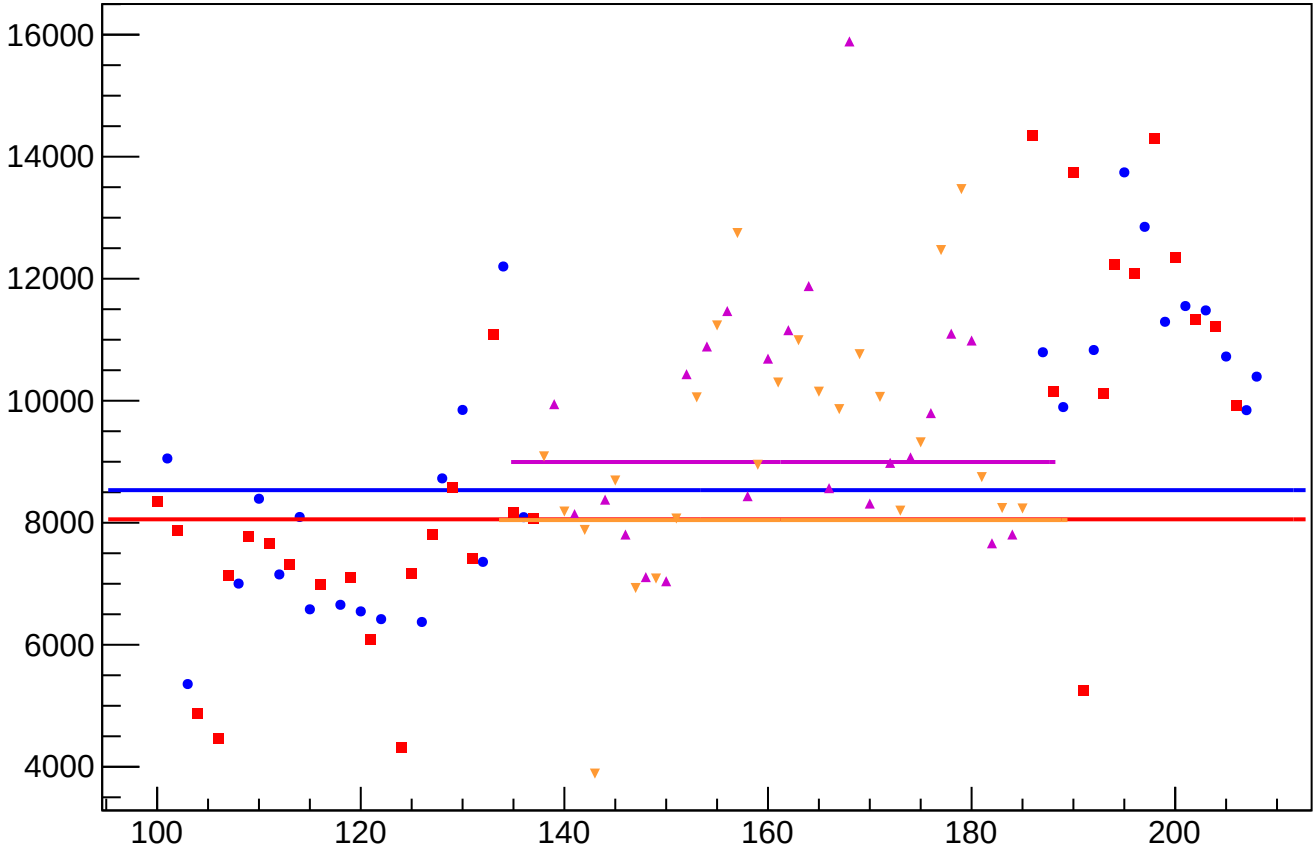
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -332.038+/-1455.736 χ^2/NDF: 58.5/51

All: 806.194+/-1045.194 χ^2/NDF: 104.8/105

- sign 2017.251+/-1501.584 χ^2/NDF: 45.1/53

asym_at2_avg_cor_correction_rms vs Slug



Right In: 8534.414+/-1.573 χ^2/NDF: 2024388.7/26

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8056.210+/-1.488 χ^2/NDF: 3024553.6/30

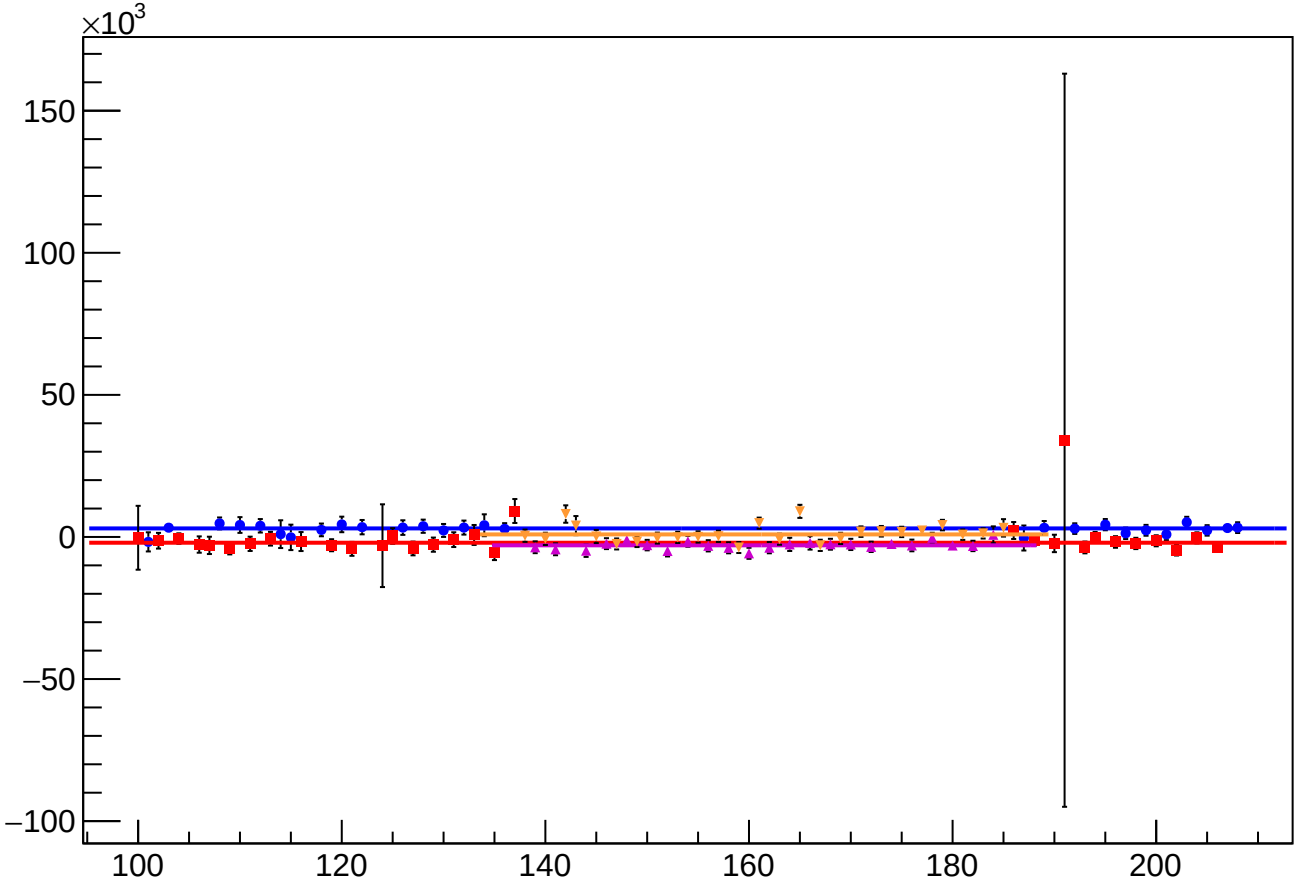
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8254.022+/-1.029 χ^2/NDF: 5442932.0/51

All: 8381.542+/-0.739 χ^2/NDF: 9901927.5/10

- sign 8517.220+/-1.062 χ^2/NDF: 4427319.9/53

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3007.520+/-435.558 χ^2/NDF: 8.8/26

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -2030.674+/-434.860 χ^2/NDF: 21.9/30

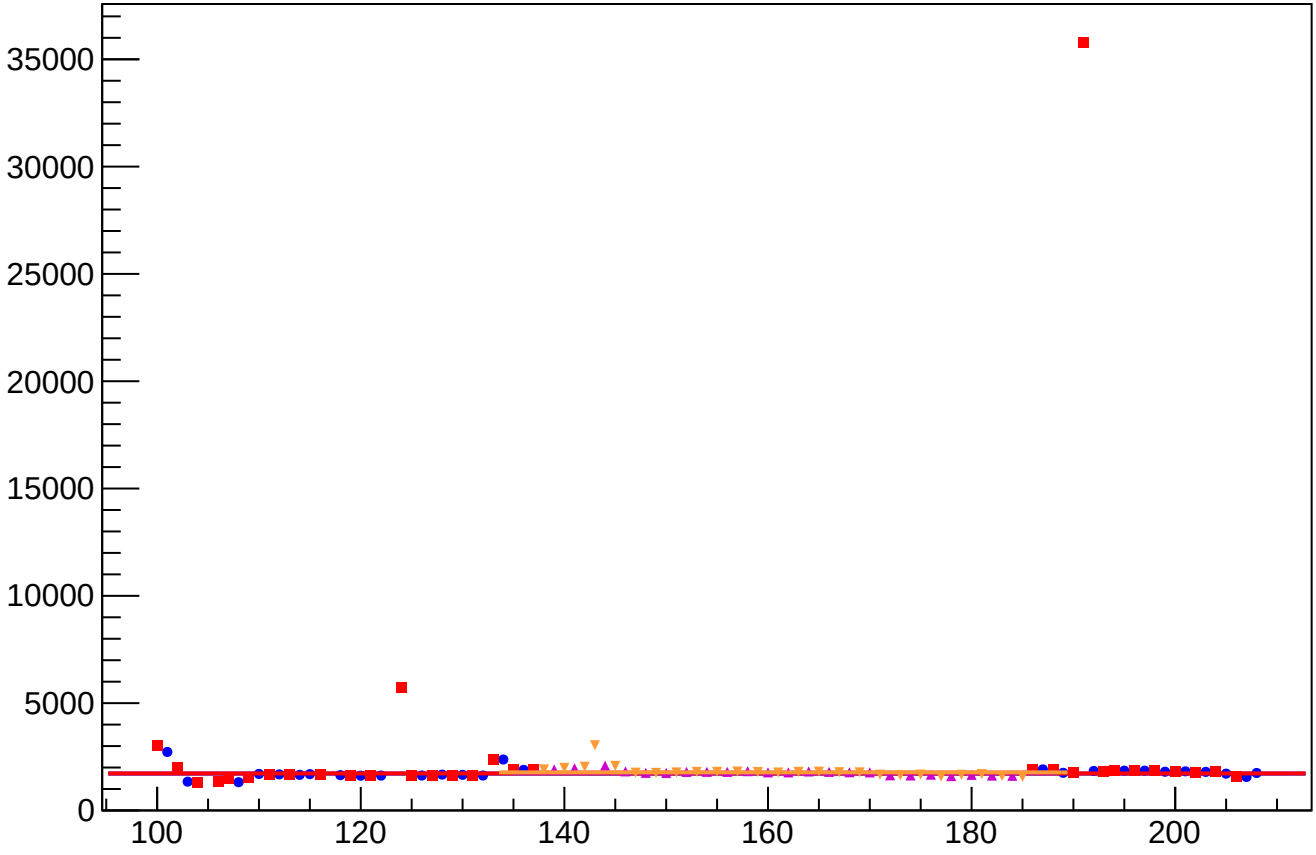
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1878.020+/-296.806 χ^2/NDF: 66.6/51

All: -299.749+/-210.683 χ^2/NDF: 210.0/105

- sign -2511.461+/-299.110 χ^2/NDF: 34.8/53

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1718.147+/-0.308 χ^2/NDF: 493662.0/26

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1724.138+/-0.307 χ^2/NDF: 692578.0/30

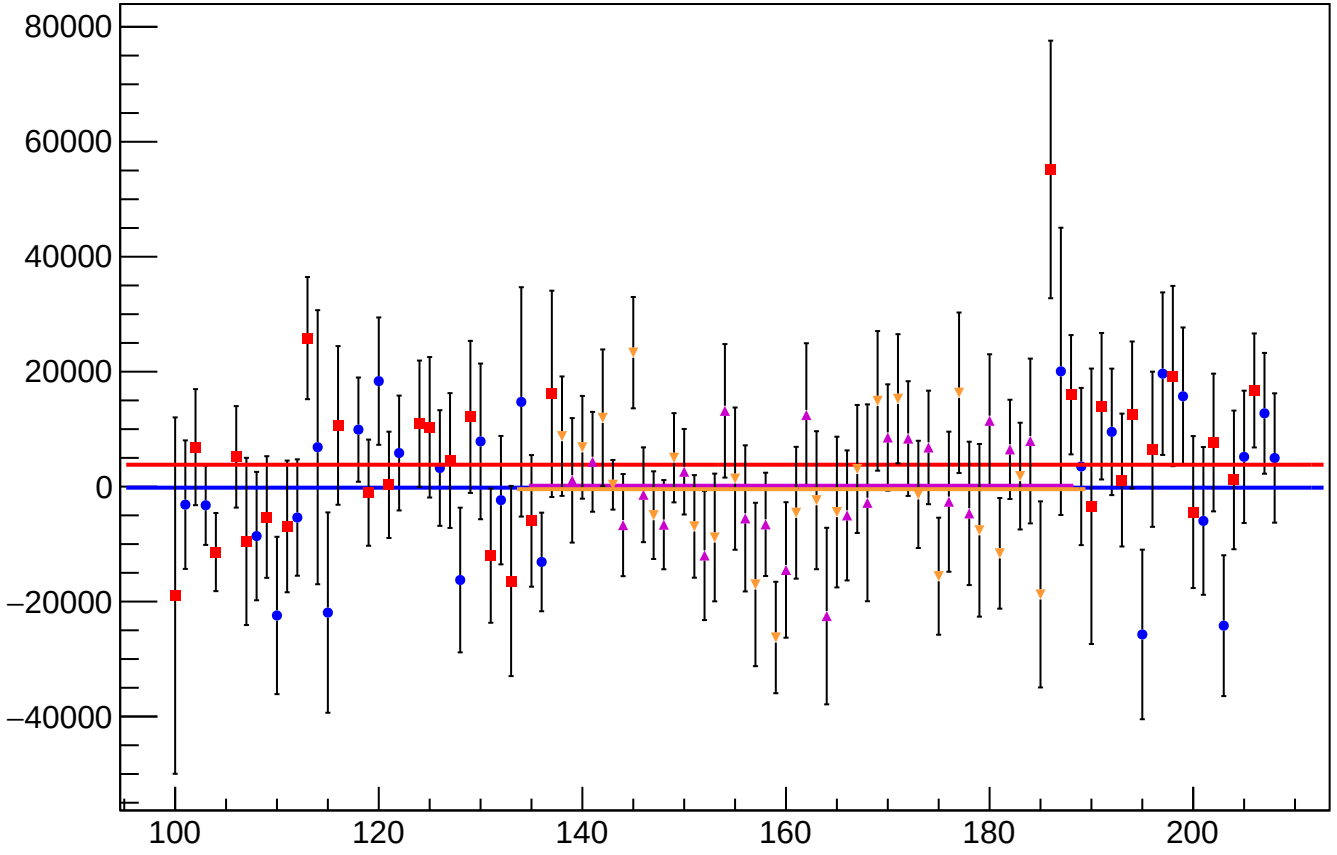
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1748.456+/-0.210 χ^2/NDF: 958637.8/51

All: 1746.050+/-0.149 χ^2/NDF: 1805355.6/10

- sign 1743.607+/-0.212 χ^2/NDF: 846453.0/53

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -183.515+/-2223.916 χ^2/NDF: 29.0/26

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3811.600+/-2104.180 χ^2/NDF: 29.8/30

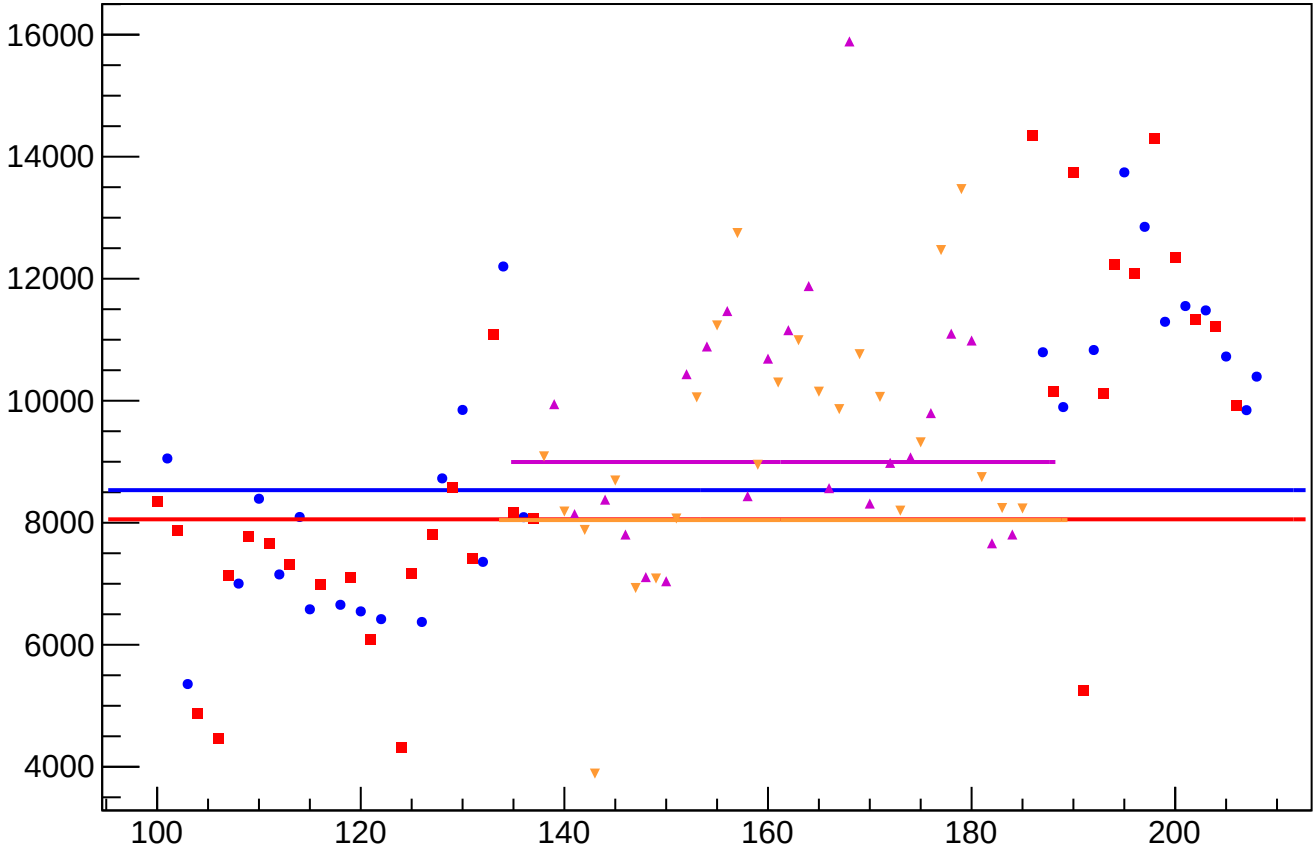
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

\+ sign -332.038+/-1455.736 χ^2/NDF: 58.5/51

All: 806.194+/-1045.194 χ^2/NDF: 104.8/105

\- sign 2017.251+/-1501.584 χ^2/NDF: 45.1/53

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 8534.414+/-1.573 χ^2/NDF: 2024388.7/26

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8056.210+/-1.488 χ^2/NDF: 3024553.6/30

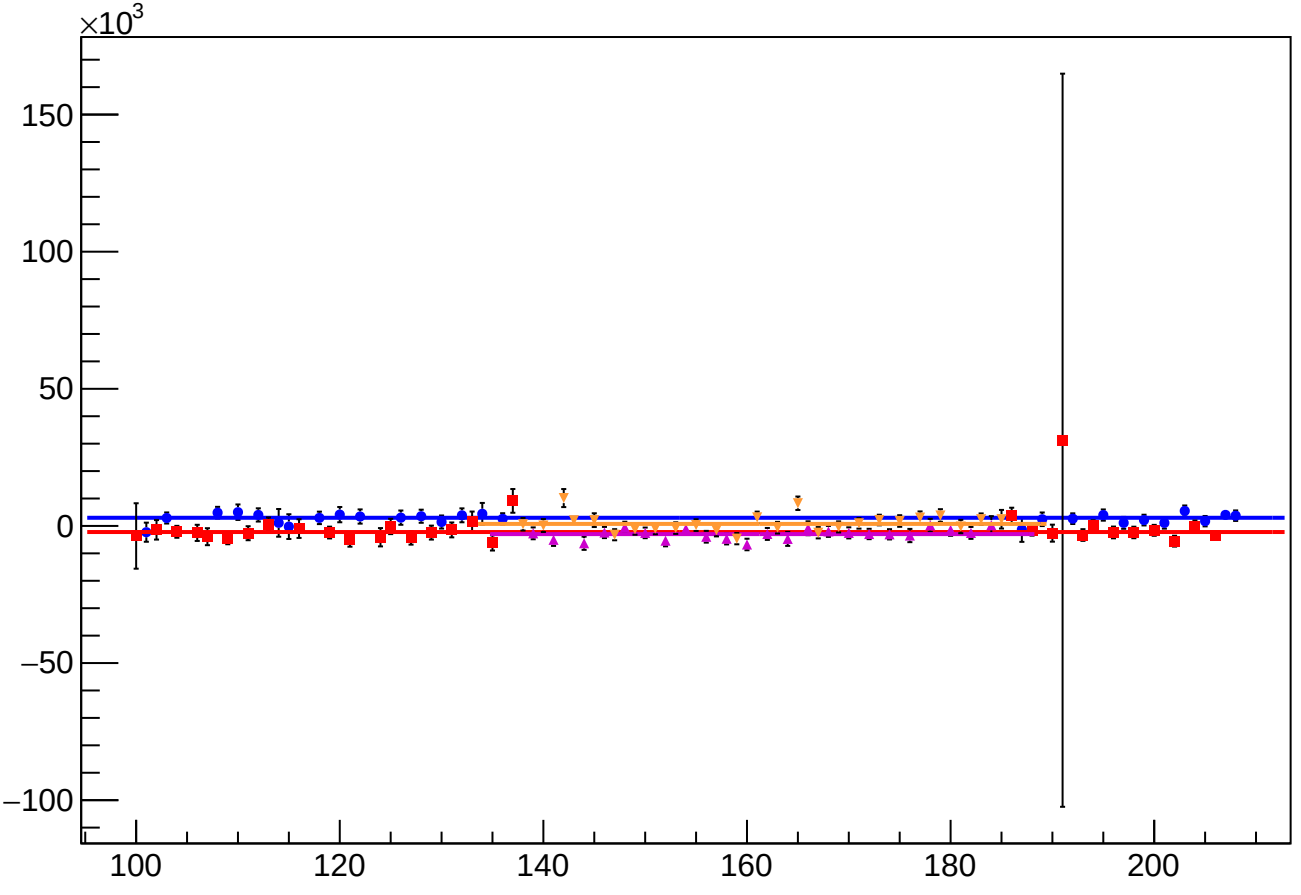
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8254.022+/-1.029 χ^2/NDF: 5442932.0/51

All: 8381.542+/-0.739 χ^2/NDF: 9901927.5/10

- sign 8517.220+/-1.062 χ^2/NDF: 4427319.9/53

dit_asym_at2_avg_mean vs Slug



Right In: 2975.402+/-450.530 χ^2/NDF: 10.8/26

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2224.222+/-448.148 χ^2/NDF: 26.3/30

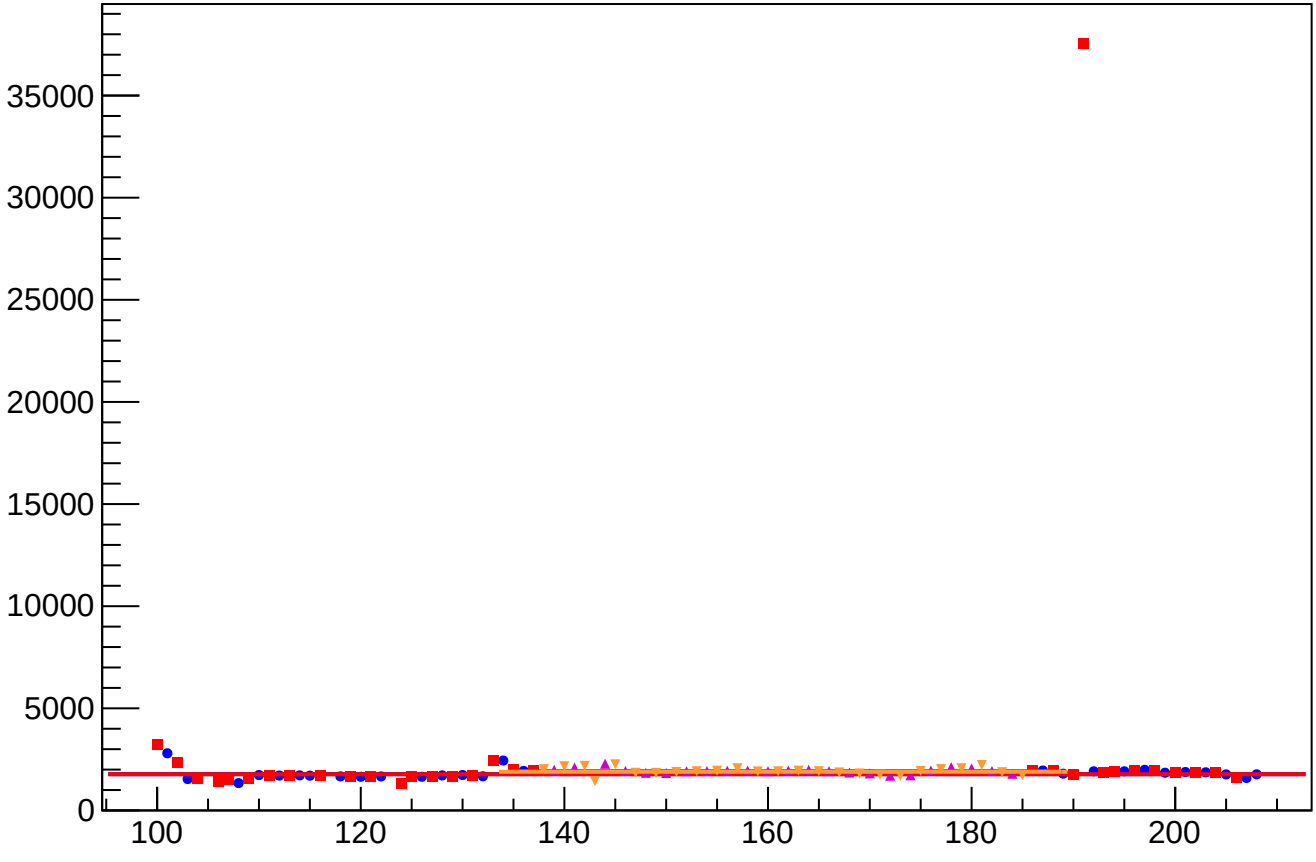
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1812.548+/-312.145 χ^2/NDF: 65.3/51

All: -355.041+/-222.644 χ^2/NDF: 206.8/105

- sign -2599.886+/-317.659 χ^2/NDF: 43.3/53

dit_asym_at2_avg_rms vs Slug



Right In: 1777.448+/-0.319 χ^2/NDF: 455384.4/26

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1774.795+/-0.317 χ^2/NDF: 562376.9/30

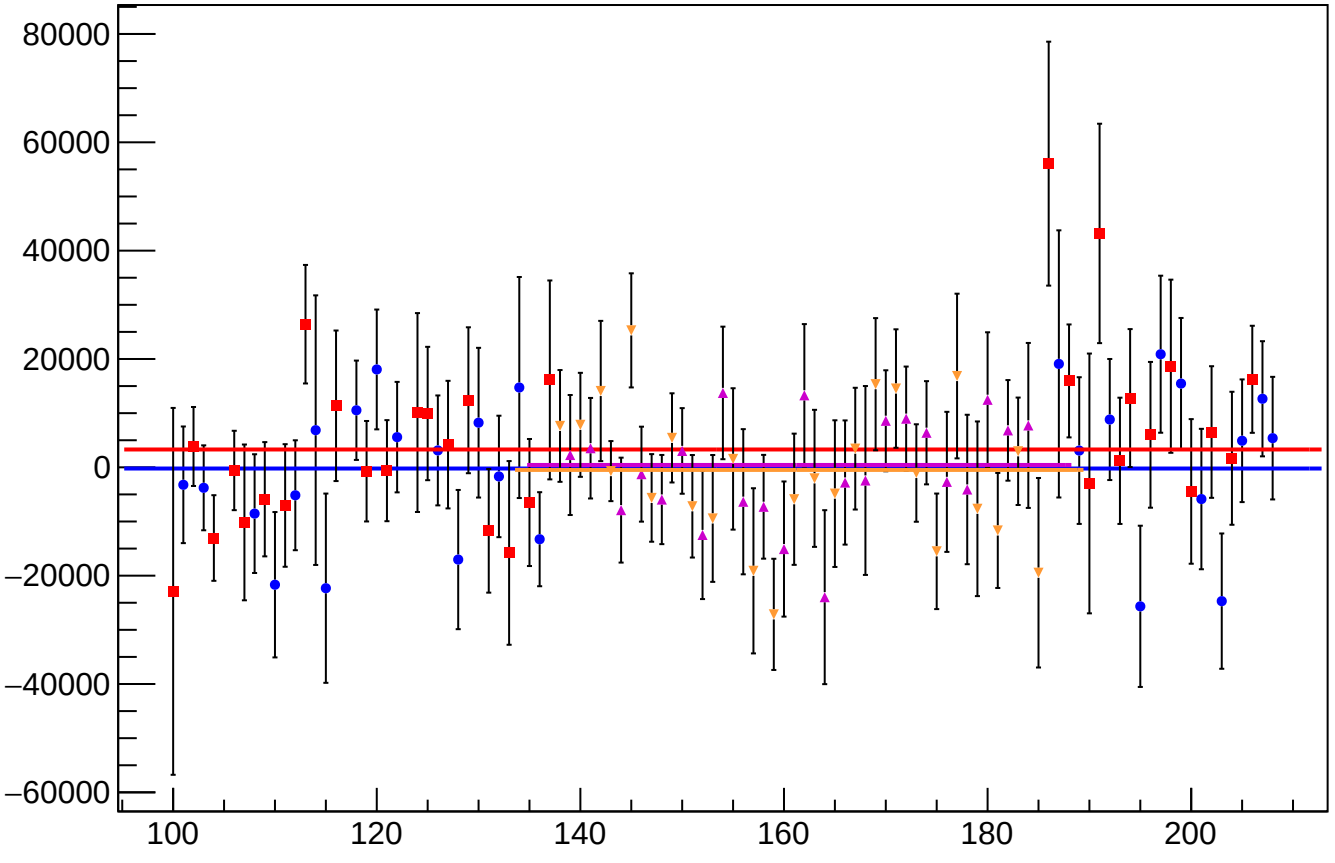
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1838.408+/-0.221 χ^2/NDF: 894389.8/51

All: 1843.387+/-0.157 χ^2/NDF: 1717689.7/10

- sign 1848.542+/-0.225 χ^2/NDF: 822264.1/53

asym_at2_avg_dit_correction_mean vs Slug



Right In: -220.566+/-2260.374 χ^2/NDF: 28.8/26

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 3293.662+/-2113.514 χ^2/NDF: 32.5/30

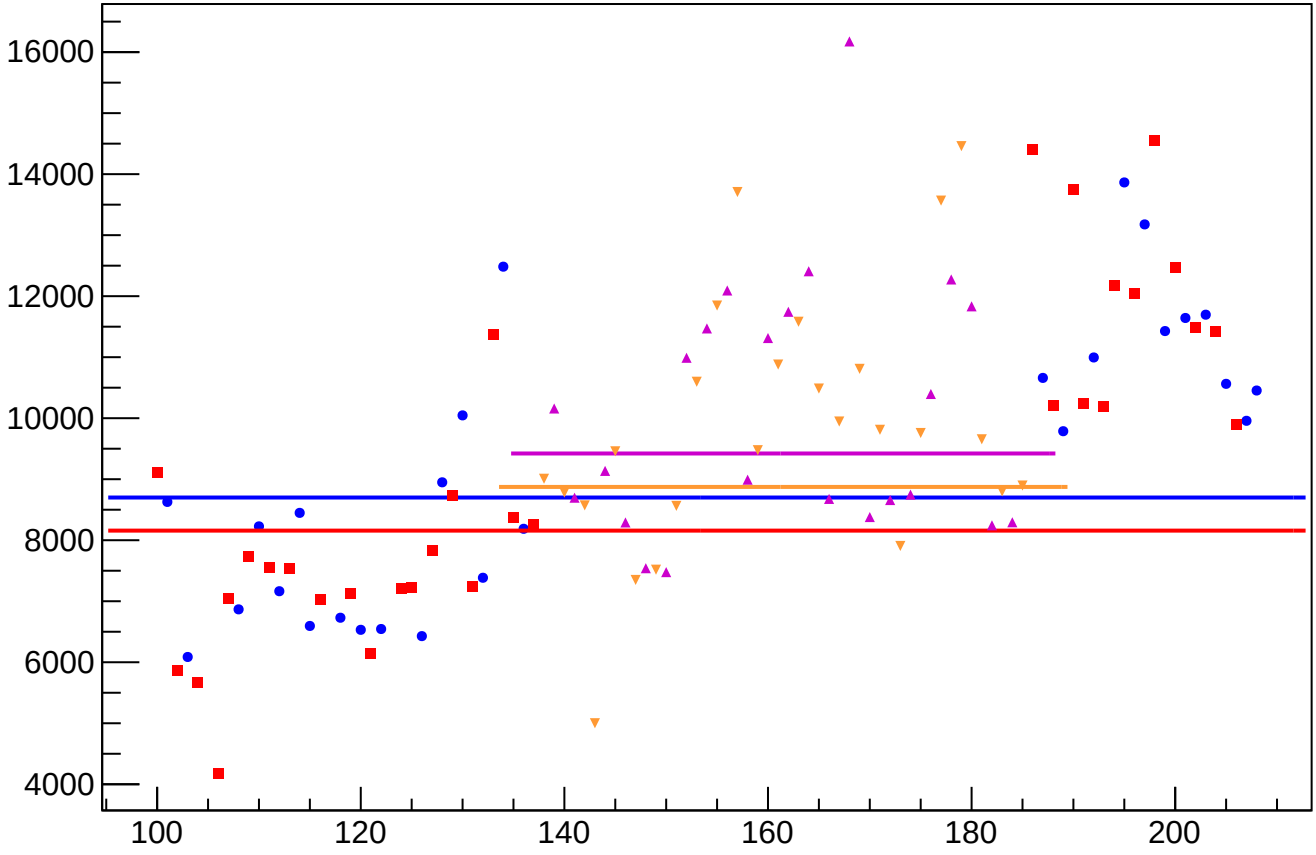
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -360.118+/-1534.251 χ^2/NDF: 57.6/51

All: 792.133+/-1086.527 χ^2/NDF: 105.6/105

- sign 1951.412+/-1538.923 χ^2/NDF: 46.9/53

asym_at2_avg_dit_correction_rms vs Slug



Right In: 8699.986+/-1.598 χ^2/NDF: 1829052.6/26

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8157.543+/-1.494 χ^2/NDF: 2925484.2/30

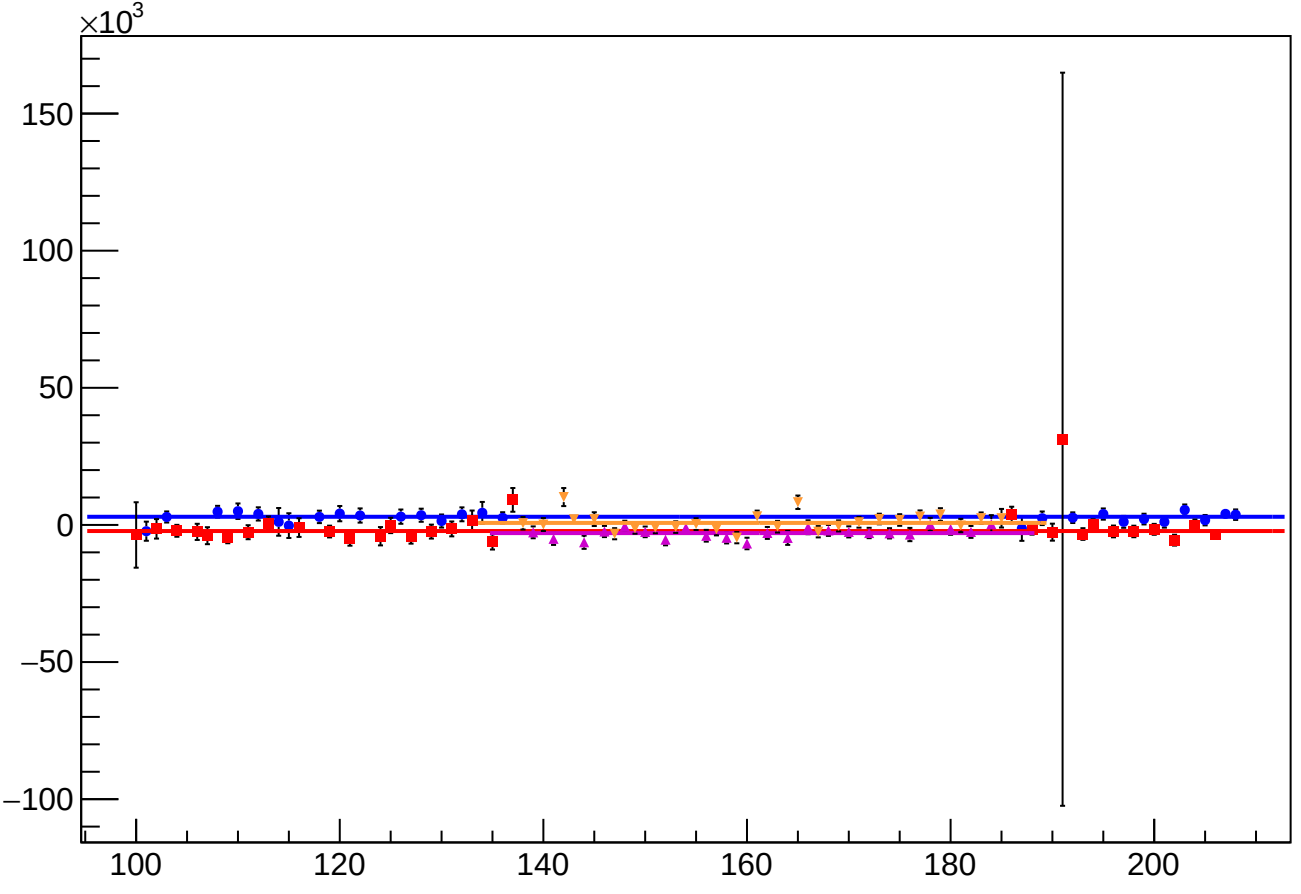
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8793.609+/-1.085 χ^2/NDF: 4038664.6/51

All: 8772.605+/-0.768 χ^2/NDF: 8505918.4/10

- sign 8751.473+/-1.088 χ^2/NDF: 4466501.8/53

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2975.399+/-450.530 χ^2/NDF: 10.8/26

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2224.220+/-448.148 χ^2/NDF: 26.3/30

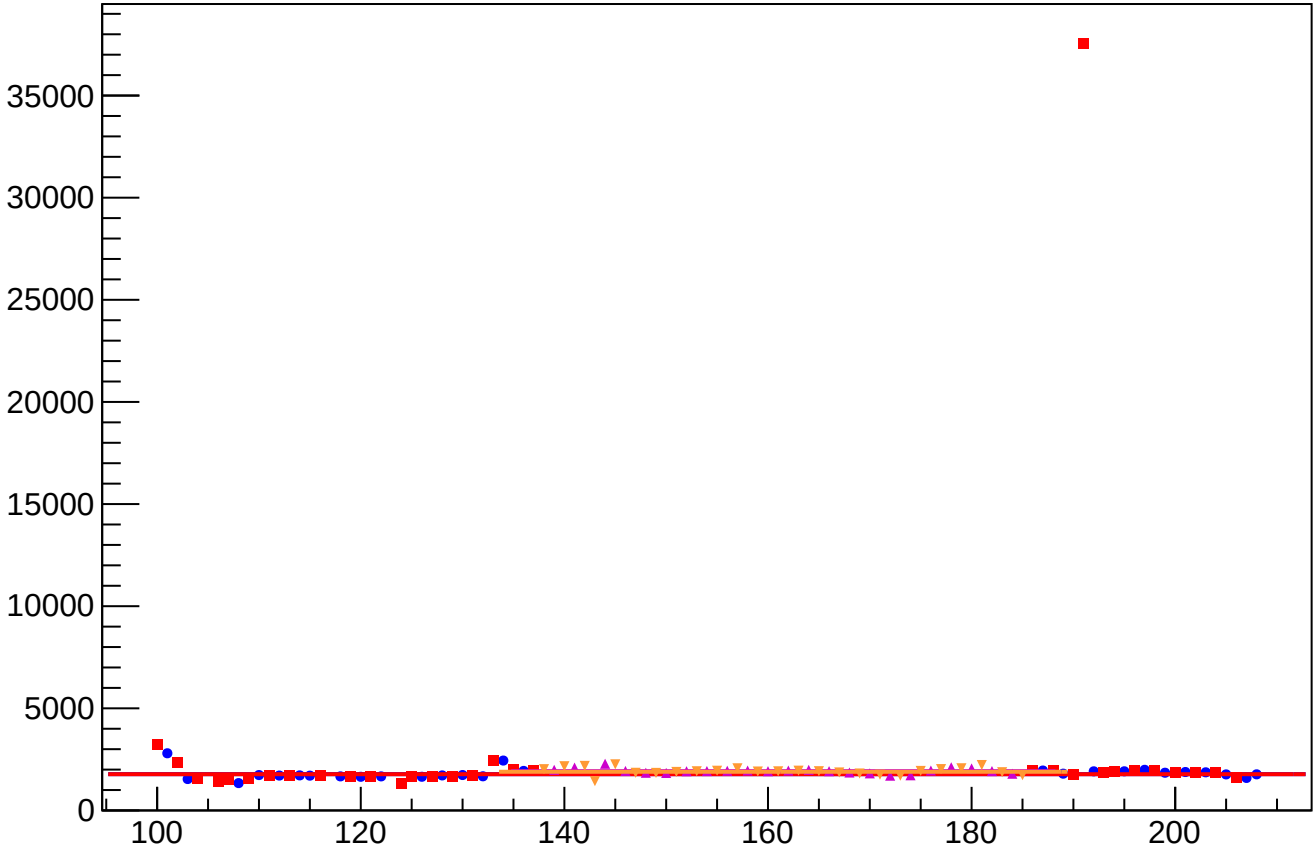
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1812.543+/-312.145 χ^2/NDF: 65.3/51

All: -355.043+/-222.644 χ^2/NDF: 206.8/105

- sign -2599.885+/-317.659 χ^2/NDF: 43.3/53

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1777.448+/-0.319 χ^2/NDF: 455384.7/26

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1774.795+/-0.317 χ^2/NDF: 562378.7/30

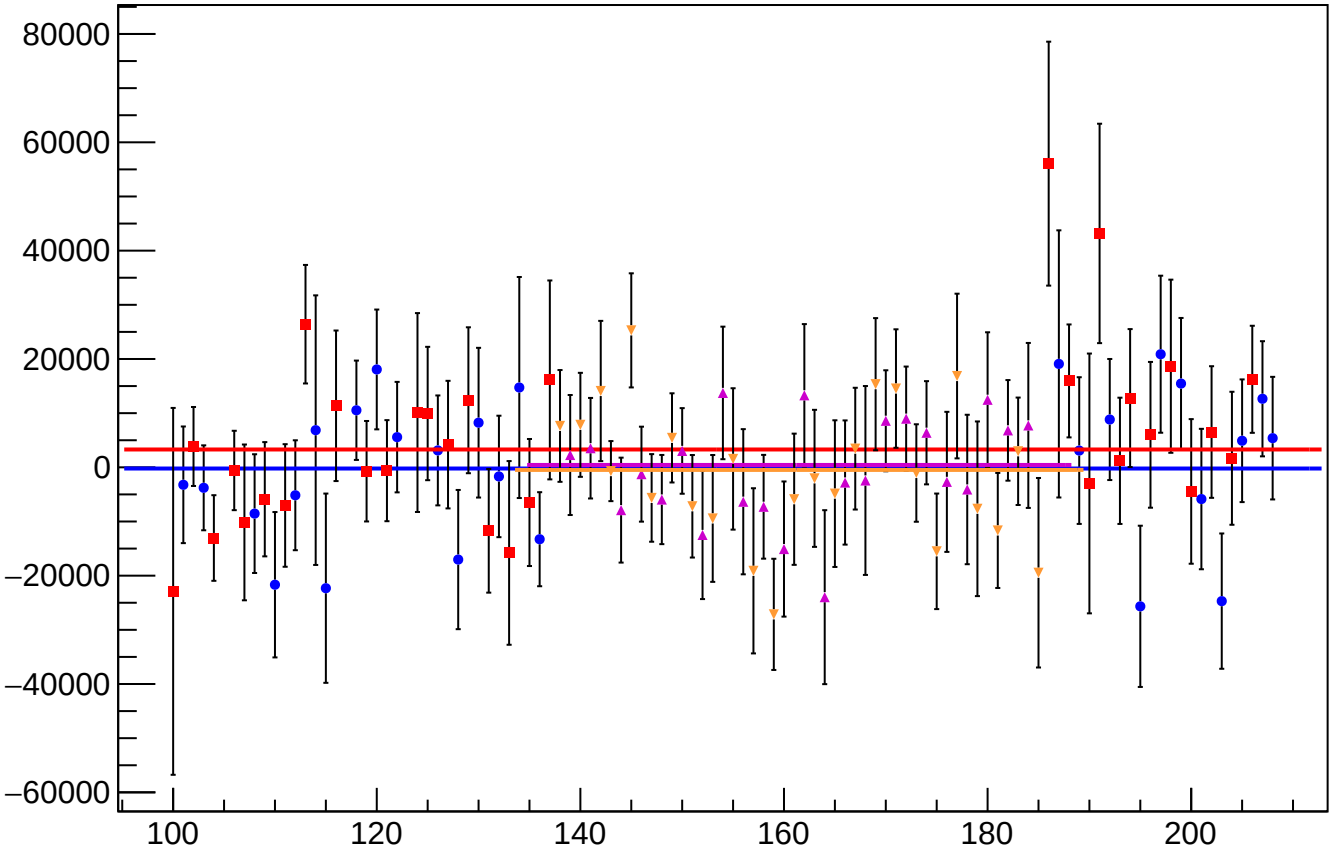
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1838.409+/-0.221 χ^2/NDF: 894401.5/51

All: 1843.388+/-0.157 χ^2/NDF: 1717715.1/10

- sign 1848.544+/-0.225 χ^2/NDF: 822277.9/53

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -220.558+/-2260.372 χ^2/NDF: 28.8/26

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

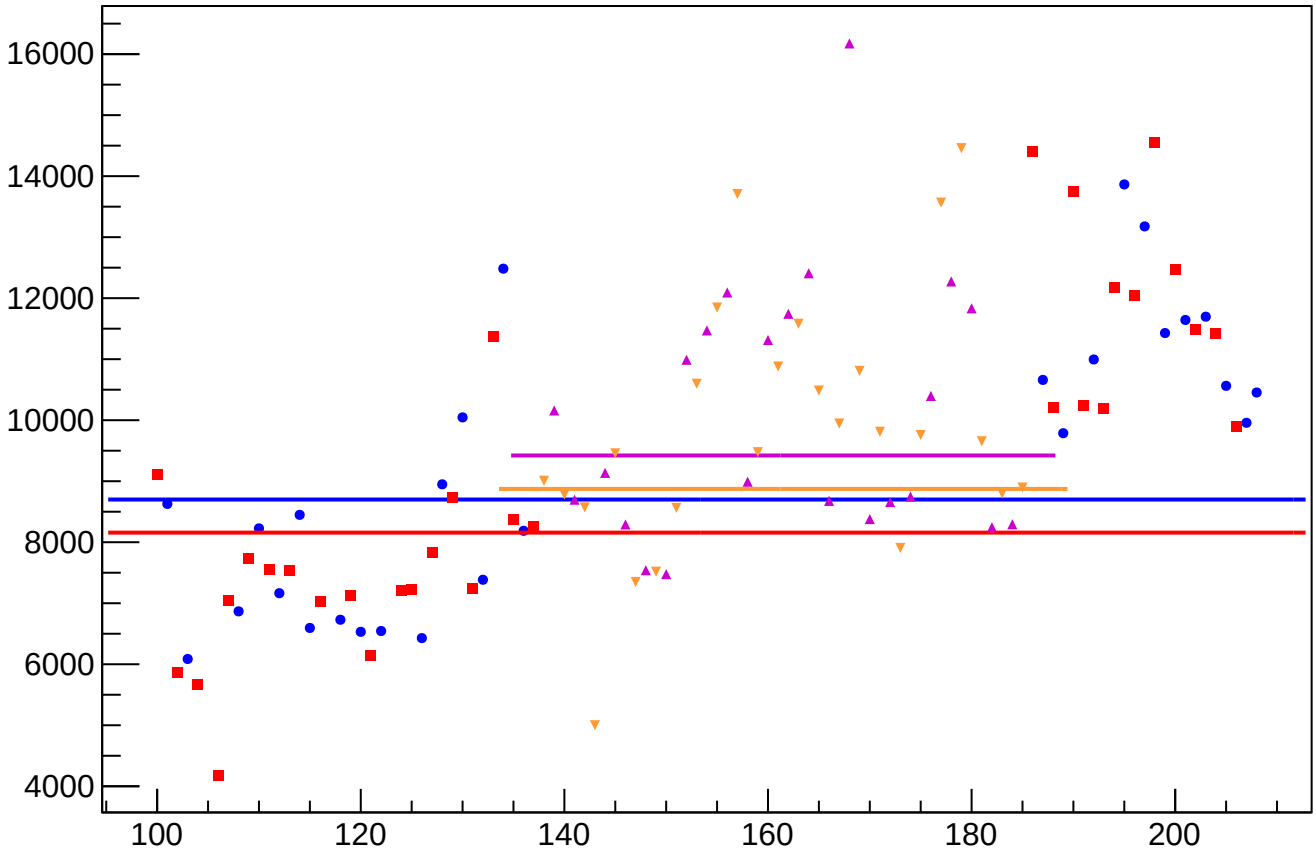
Right Out: 3293.647+/-2113.512 χ^2/NDF: 32.5/30

Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

\+ sign -360.118+/-1534.252 χ^2/NDF: 57.6/51

All: 792.132+/-1086.528 χ^2/NDF: 105.6/105

\- sign 1951.409+/-1538.923 χ^2/NDF: 46.9/53



Right In: 8699.975+/-1.598 χ^2/NDF: 1829079.3/26

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 8157.531+/-1.494 χ^2/NDF: 2925506.7/30

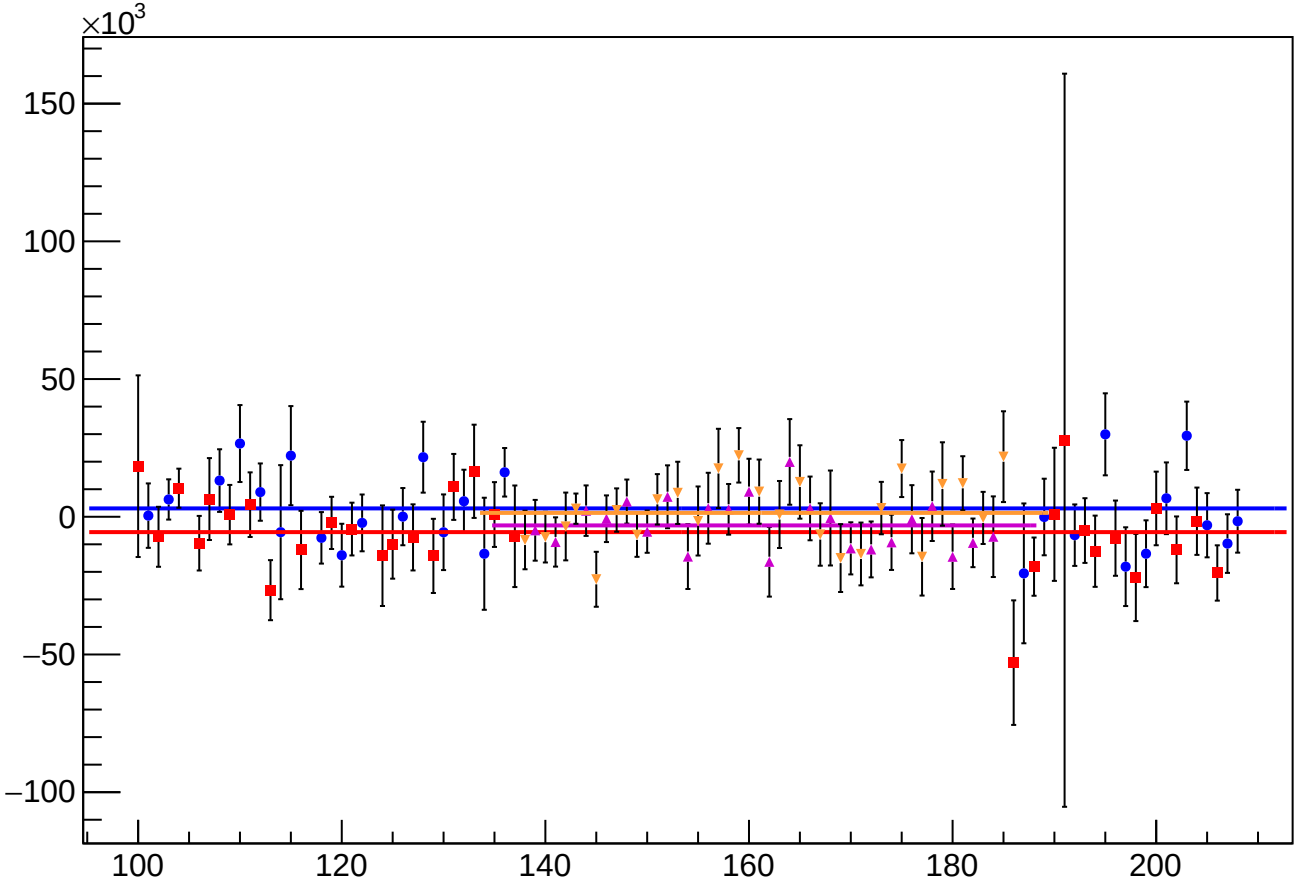
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8793.612+/-1.085 χ^2/NDF: 4038694.7/51

All: 8772.606+/-0.768 χ^2/NDF: 8505988.7/10

- sign 8751.471+/-1.088 χ^2/NDF: 4466541.9/53

asym_at2_avg_mean vs Slug



Right In: 3035.911+/-2281.072 χ^2/NDF: 30.2/26

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -5571.199+/-2225.521 χ^2/NDF: 26.5/30

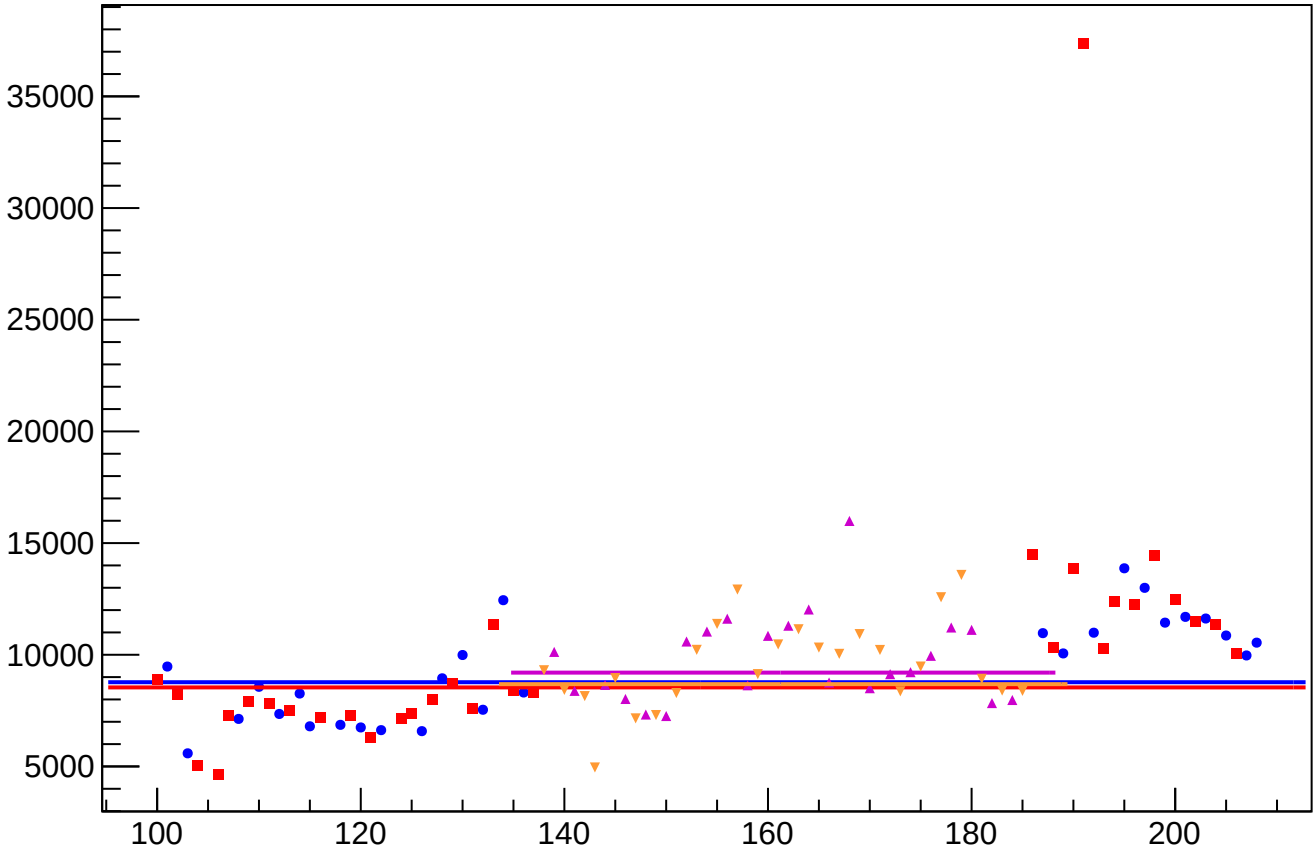
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2131.555+/-1520.572 χ^2/NDF: 57.9/51

All: -1017.542+/-1089.143 χ^2/NDF: 106.8/10

- sign -4335.372+/-1560.777 χ^2/NDF: 40.1/53

asym_at2_avg_rms vs Slug



Right In: 8771.031+/-1.613 χ^2/NDF: 1884533.8/26

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8538.675+/-1.574 χ^2/NDF: 2581740.0/30

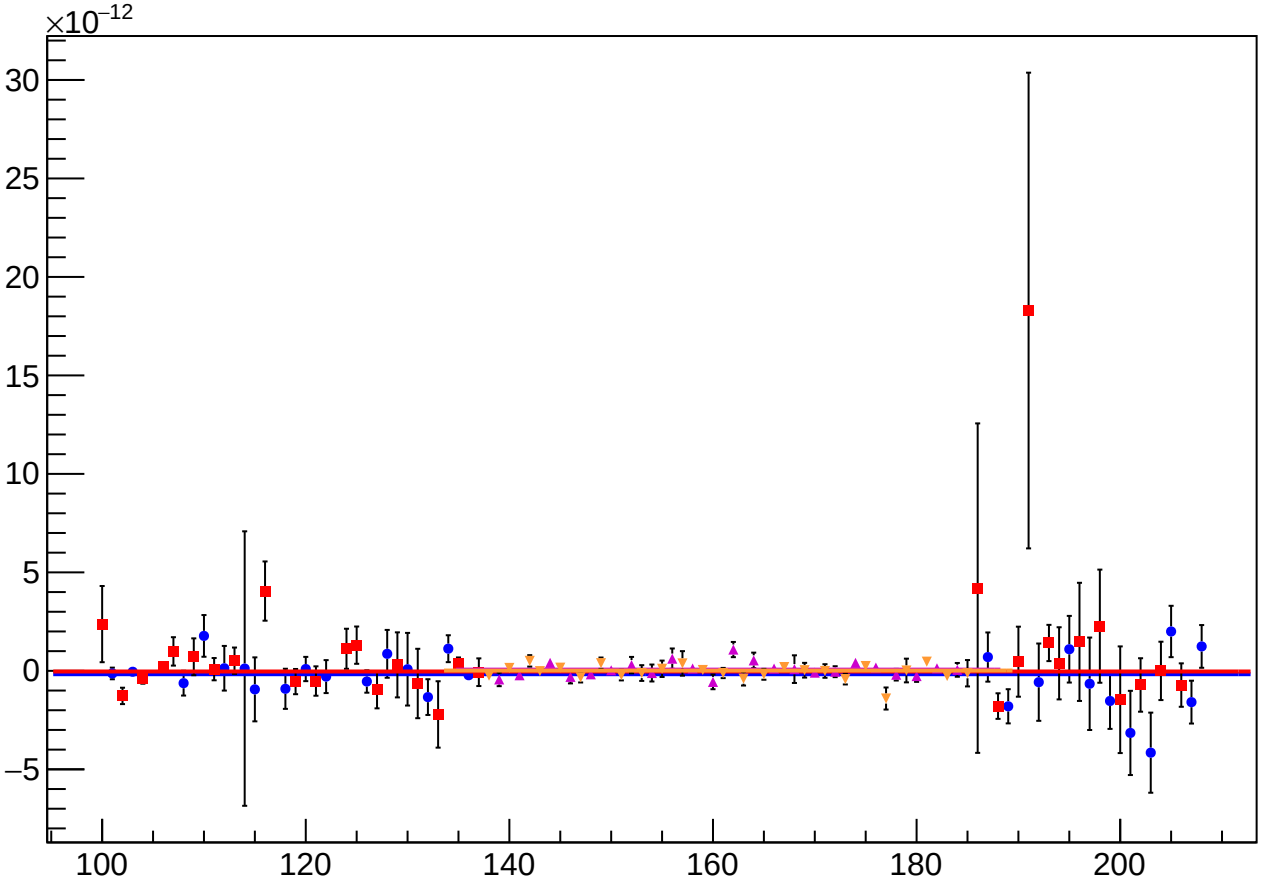
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8722.978+/-1.075 χ^2/NDF: 3937753.4/51

All: 8797.068+/-0.770 χ^2/NDF: 7748630.2/10

- sign 8875.124+/-1.104 χ^2/NDF: 3801126.1/53

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

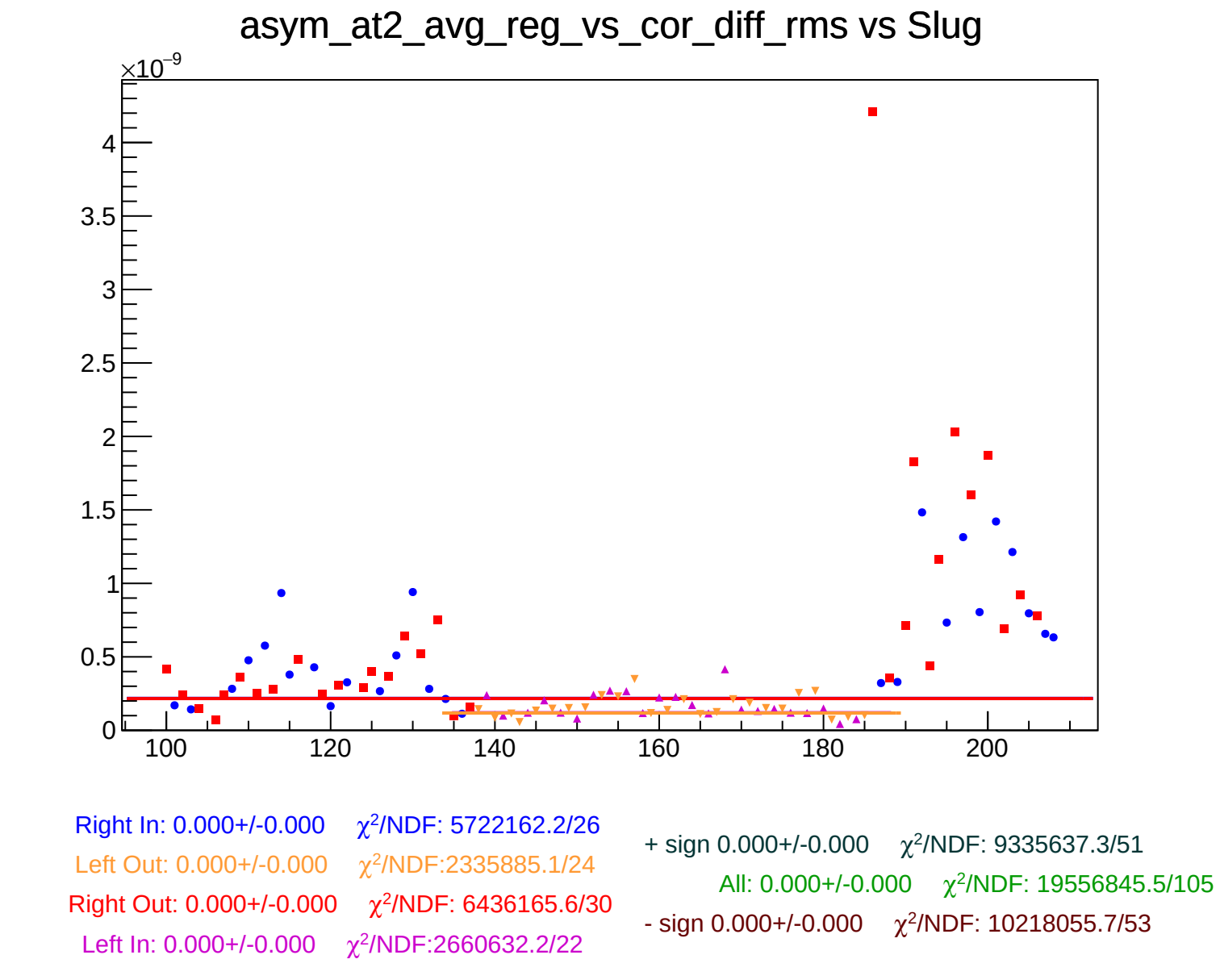
Right Out: -0.000+/-0.000 χ^2/NDF: 47.2/30

Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

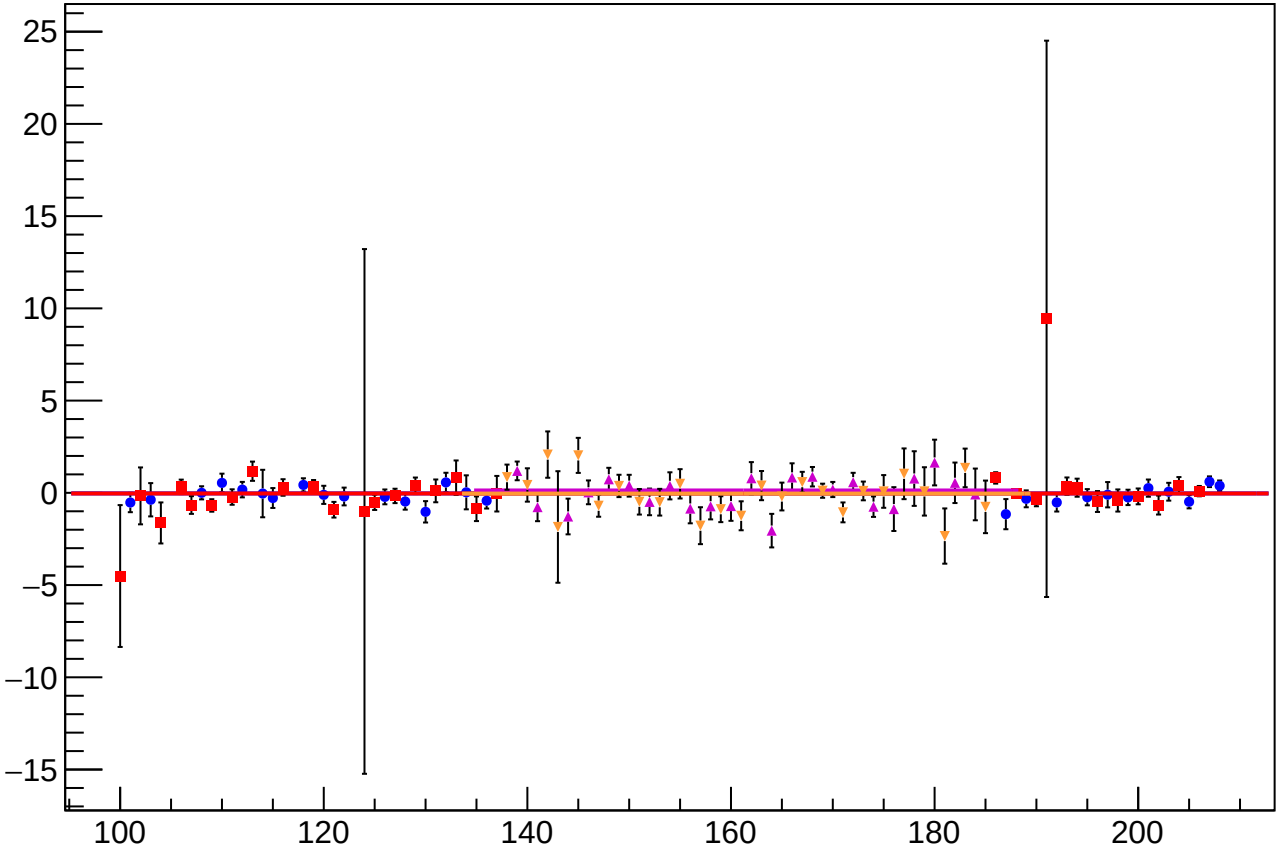
+ sign -0.000+/-0.000 χ^2/NDF: 60.2/51

All: 0.000+/-0.000 χ^2/NDF: 136.5/105

- sign 0.000+/-0.000 χ^2/NDF: 75.5/53


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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5722162.2/26
Left Out: 0.000+/-0.000 χ²/NDF:2335885.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 6436165.6/30
Left In: 0.000+/-0.000 χ²/NDF:2660632.2/22
+ sign 0.000+/-0.000 χ²/NDF: 9335637.3/51
All: 0.000+/-0.000 χ²/NDF: 19556845.5/105
- sign 0.000+/-0.000 χ²/NDF: 10218055.7/53

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.031+/-0.087 χ^2/NDF: 23.6/26

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.035+/-0.078 χ^2/NDF: 39.7/30

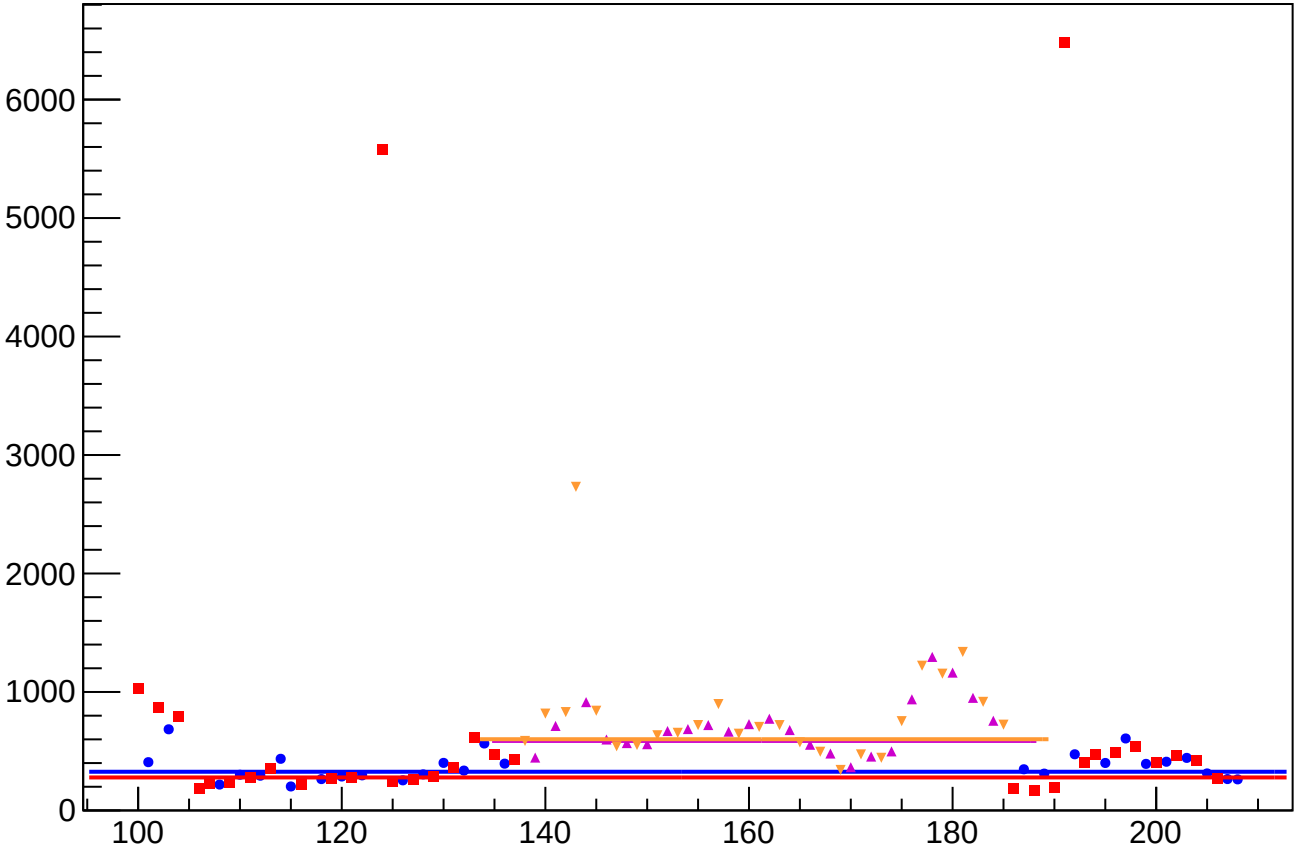
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.034+/-0.075 χ^2/NDF: 53.8/51

All: -0.015+/-0.051 χ^2/NDF: 123.6/105

- sign 0.001+/-0.069 χ^2/NDF: 69.7/53

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 326.650+/-0.062 χ^2/NDF: 2059519.6/26

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 278.605+/-0.055 χ^2/NDF: 4982287.6/30

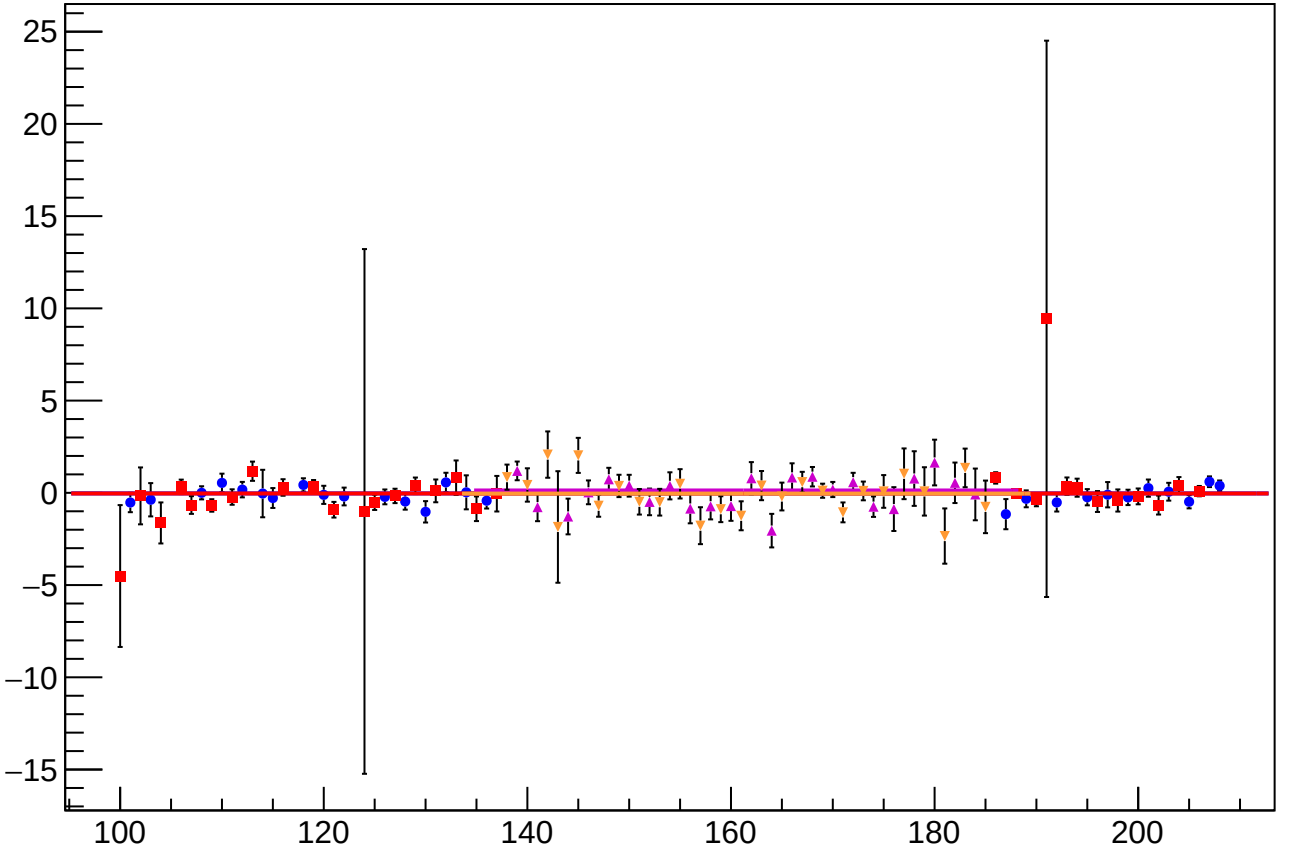
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 397.698+/-0.053 χ^2/NDF: 11655570.3/51

All: 370.616+/-0.036 χ^2/NDF: 27039259.9/10

- sign 347.840+/-0.049 χ^2/NDF: 14904110.8/53

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.031+/-0.087 χ^2/NDF: 23.6/26

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.035+/-0.078 χ^2/NDF: 39.7/30

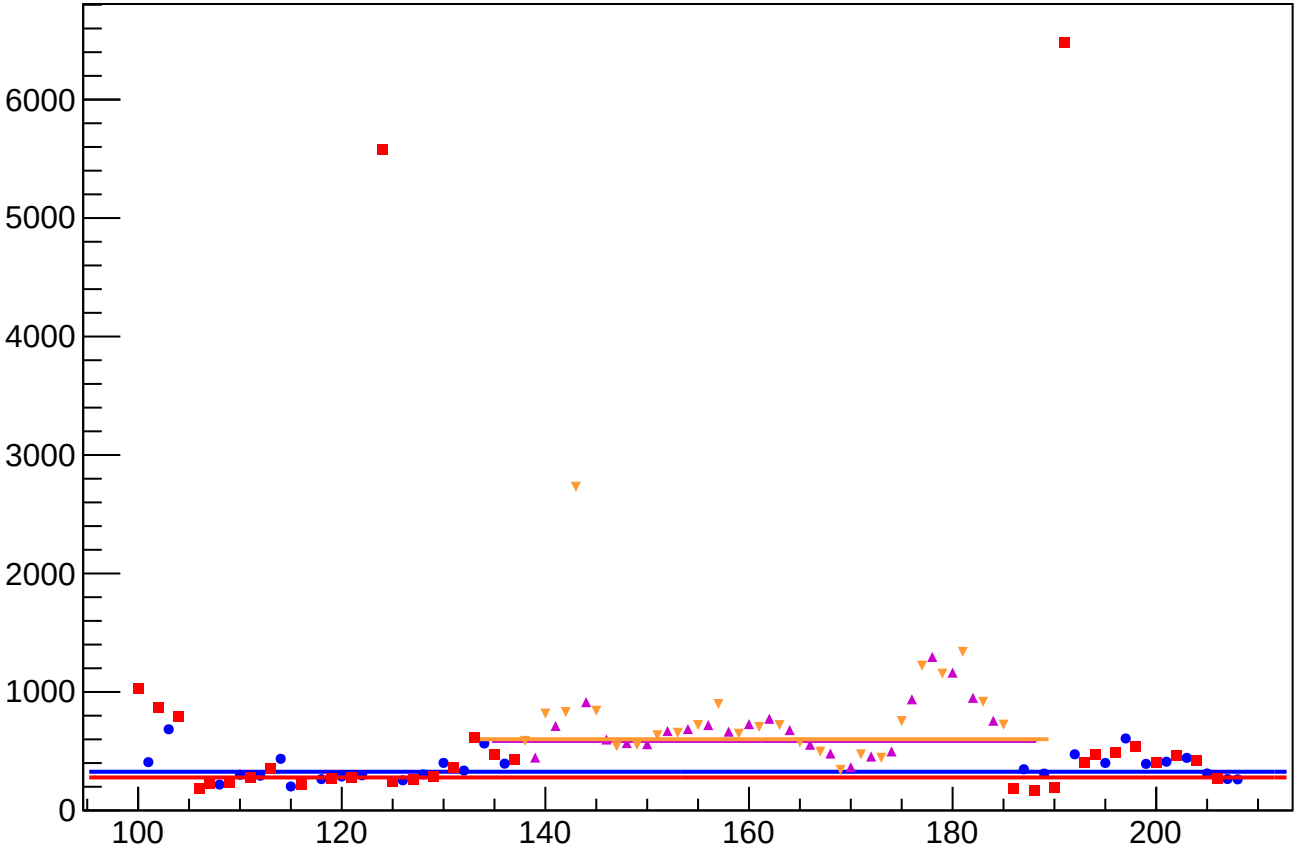
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.034+/-0.075 χ^2/NDF: 53.8/51

All: -0.015+/-0.051 χ^2/NDF: 123.6/105

- sign 0.001+/-0.069 χ^2/NDF: 69.7/53

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 326.650+/-0.062 χ^2/NDF: 2059519.6/26

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

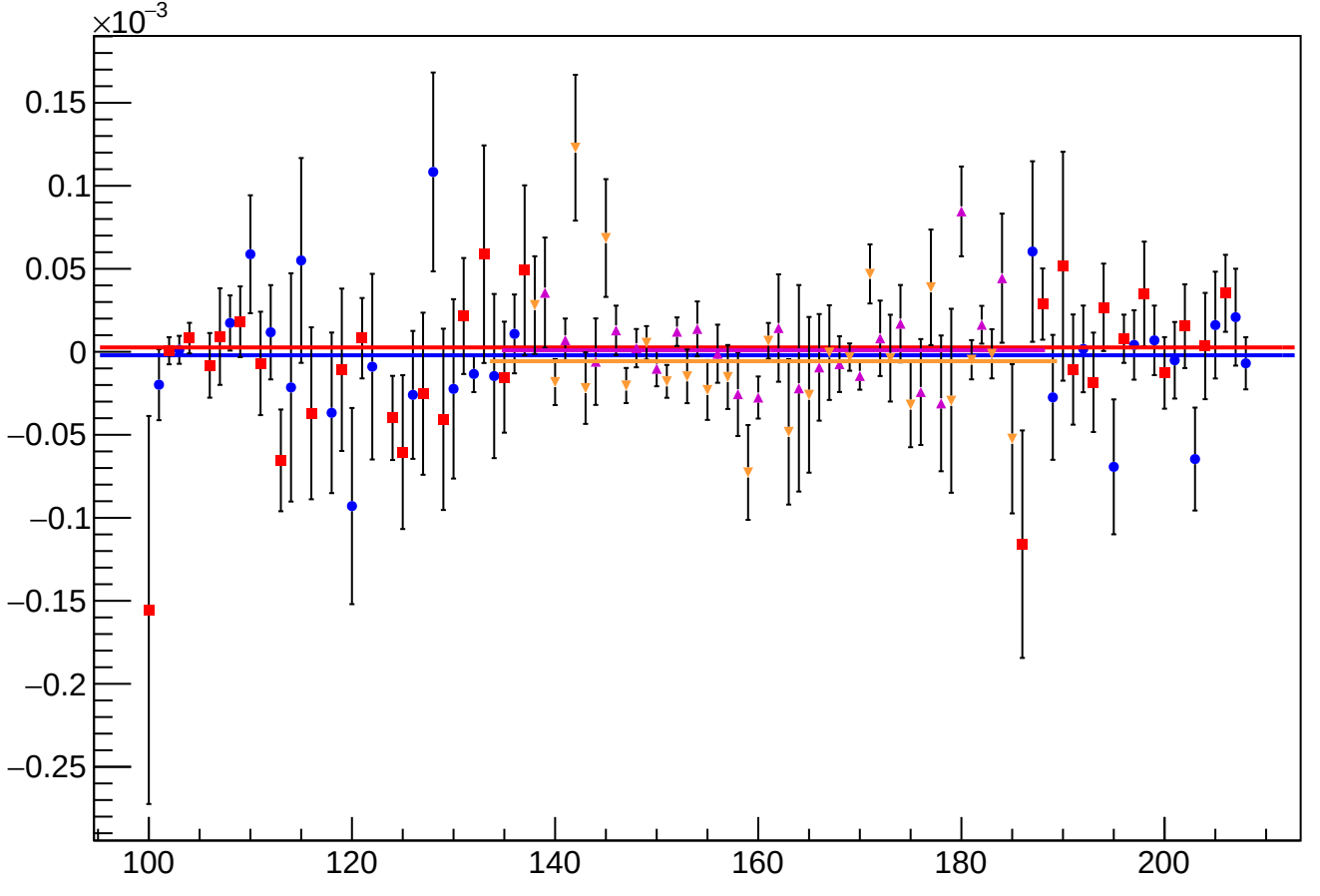
Right Out: 278.605+/-0.055 χ^2/NDF: 4982287.6/30

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 397.698+/-0.053 χ^2/NDF: 11655570.3/51

All: 370.616+/-0.036 χ^2/NDF: 27039259.9/10

- sign 347.840+/-0.049 χ^2/NDF: 14904110.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/30

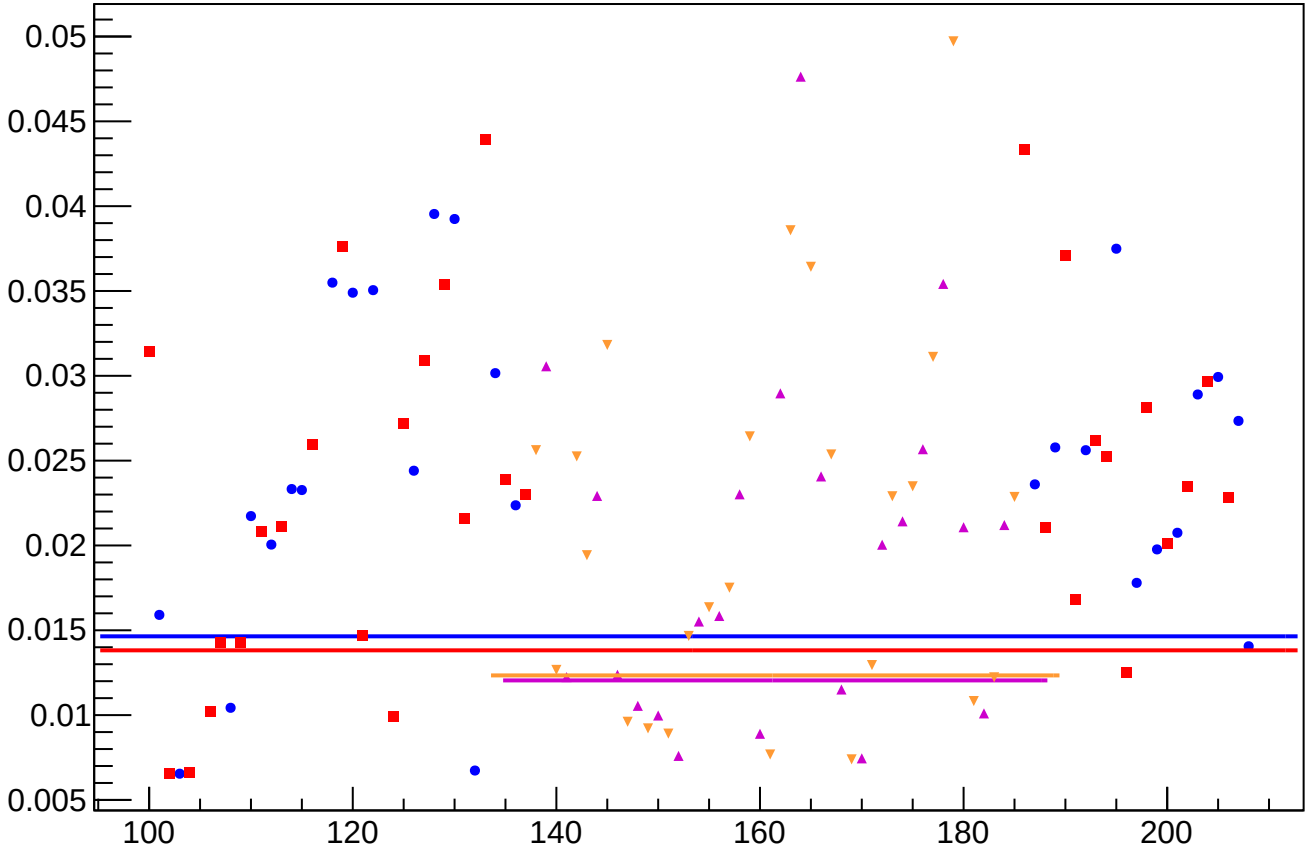
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.5/51

All: -0.000+/-0.000 χ^2/NDF: 127.5/105

- sign 0.000+/-0.000 χ^2/NDF: 57.3/53

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 8203909.0/26

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 8507051.0/30

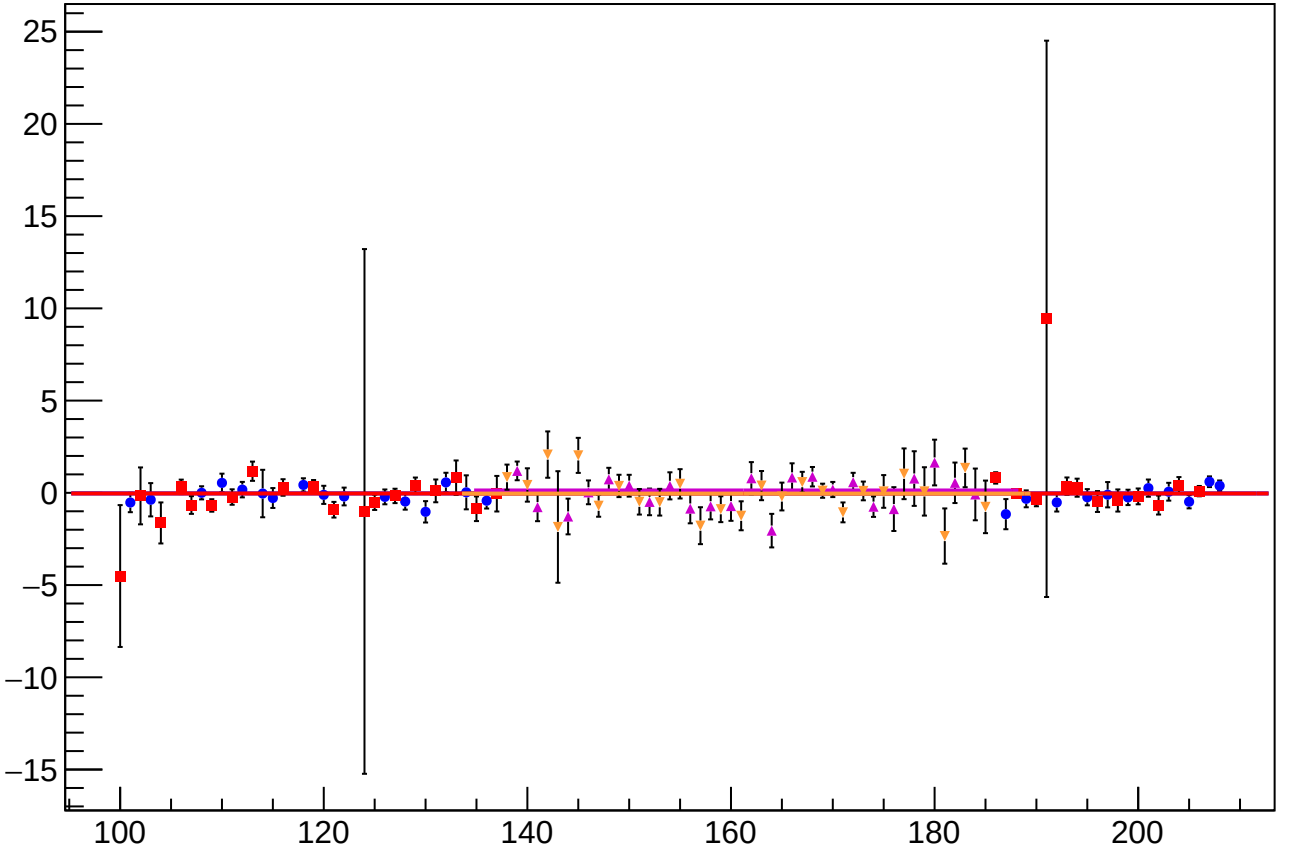
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 16400008.0/51

All: 0.013+/-0.000 χ^2/NDF: 31543103.5/105

- sign 0.013+/-0.000 χ^2/NDF: 15117884.4/53

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.031+/-0.087 χ^2/NDF: 23.6/26

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.035+/-0.078 χ^2/NDF: 39.7/30

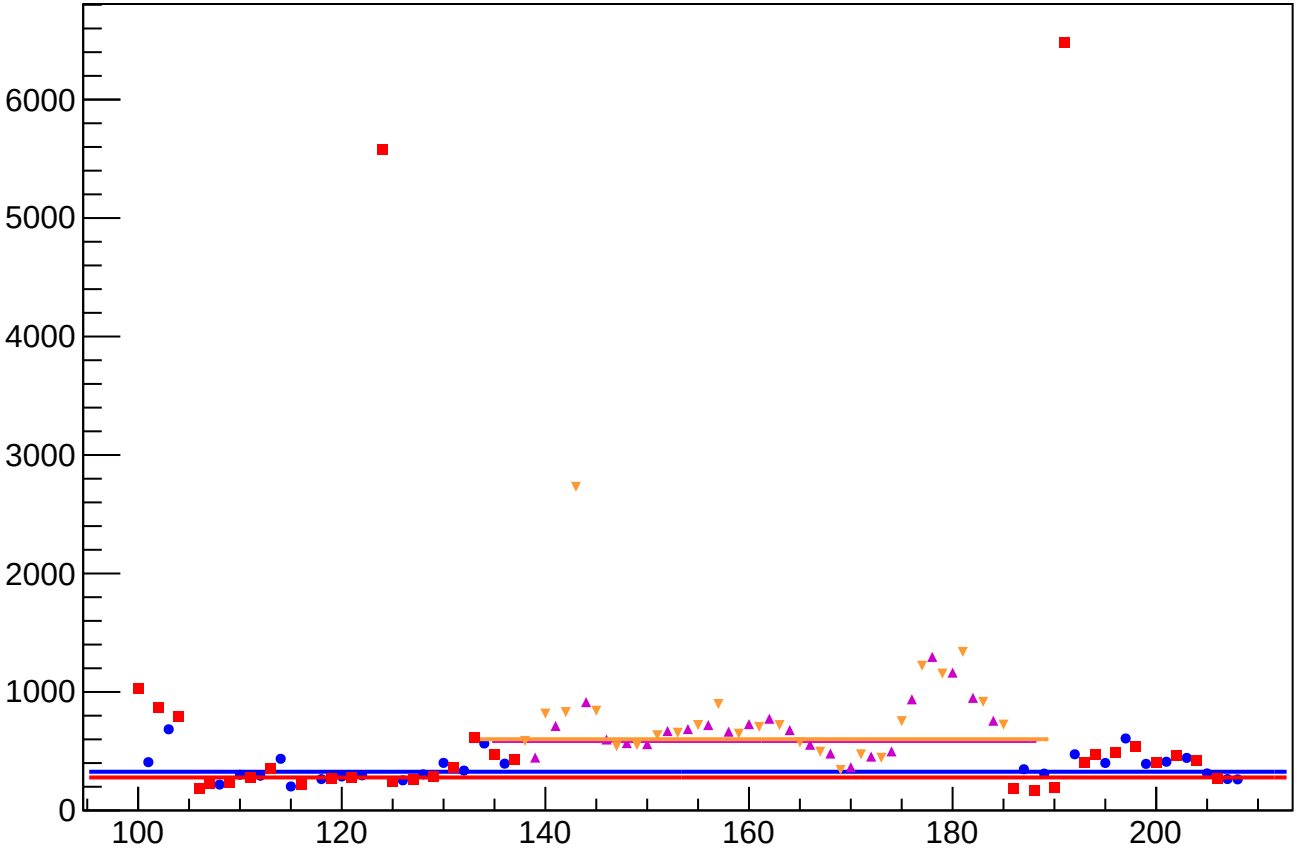
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.034+/-0.075 χ^2/NDF: 53.8/51

All: -0.015+/-0.051 χ^2/NDF: 123.6/105

- sign 0.001+/-0.069 χ^2/NDF: 69.7/53

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 326.649+/-0.062 χ^2/NDF: 2059498.0/26

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

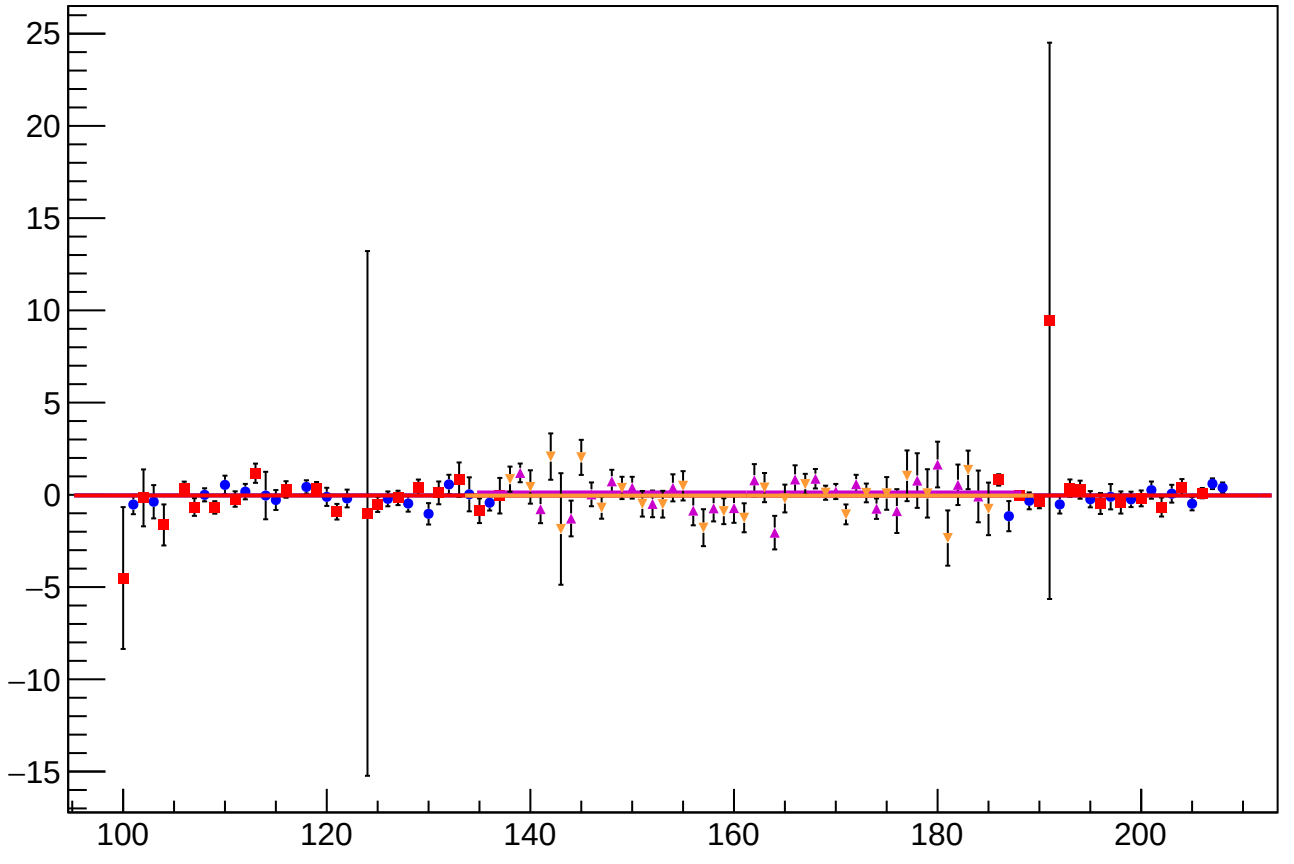
Right Out: 278.599+/-0.055 χ^2/NDF: 4982614.0/30

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 397.697+/-0.053 χ^2/NDF: 11655761.7/51

All: 370.612+/-0.036 χ^2/NDF: 27040390.4/10

- sign 347.833+/-0.049 χ^2/NDF: 14904938.9/53



Right In: -0.031+/-0.087 χ^2/NDF: 23.6/26

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

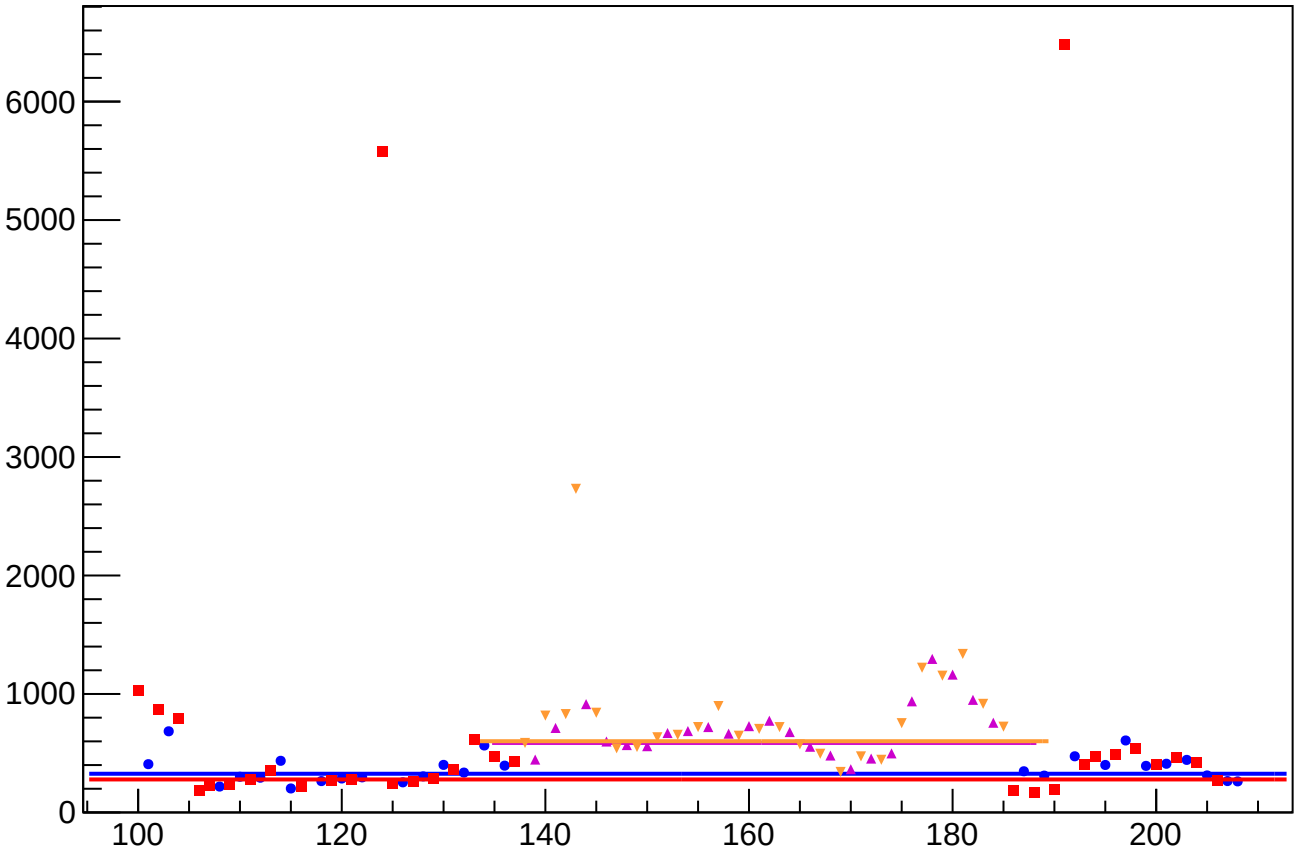
Right Out: -0.035+/-0.078 χ^2/NDF: 39.7/30

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.034+/-0.075 χ^2/NDF: 53.8/51

All: -0.015+/-0.051 χ^2/NDF: 123.6/105

- sign 0.001+/-0.069 χ^2/NDF: 69.7/53



Right In: 326.649+/-0.062 χ^2/NDF: 2059498.0/26

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 278.599+/-0.055 χ^2/NDF: 4982614.0/30

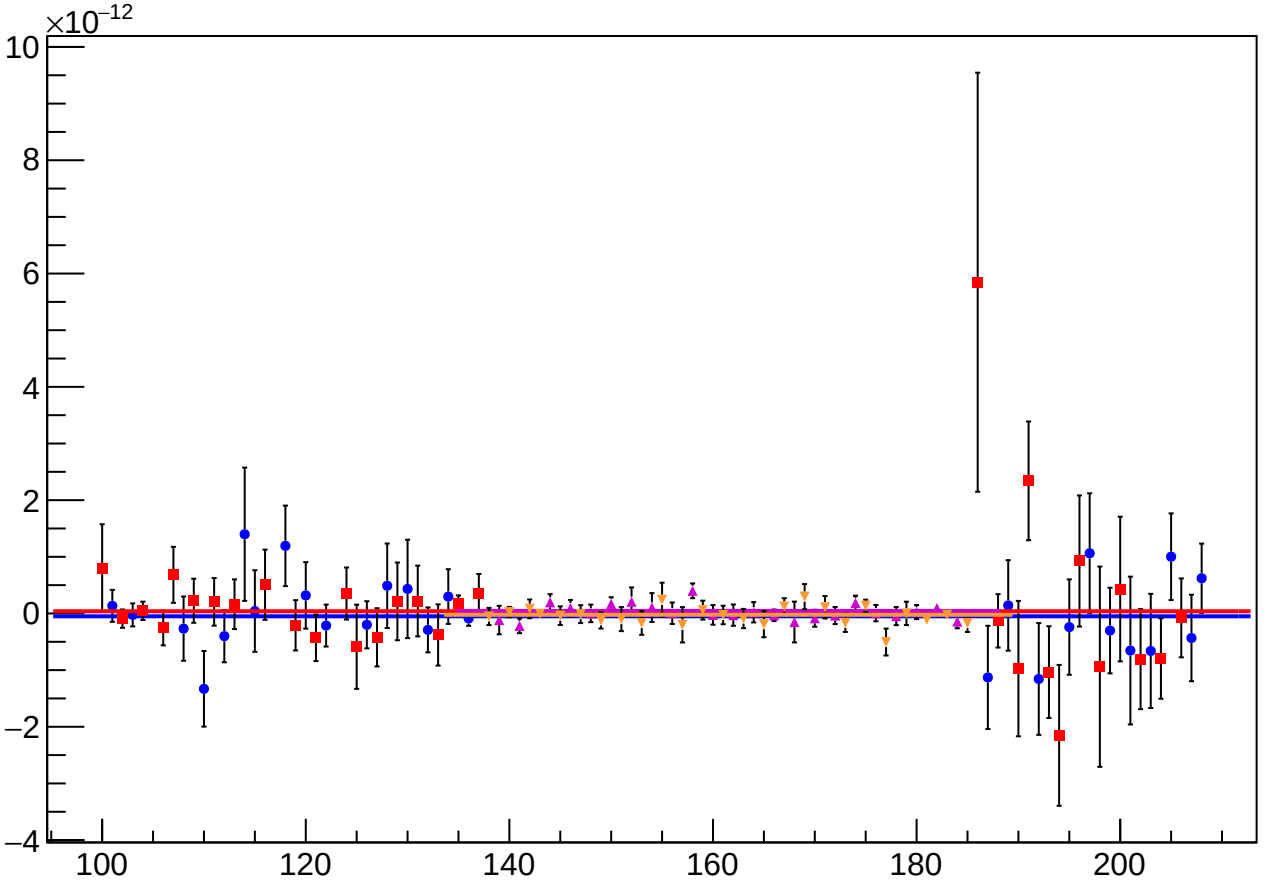
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 397.697+/-0.053 χ^2/NDF: 11655761.7/51

All: 370.612+/-0.036 χ^2/NDF: 27040390.4/10

- sign 347.833+/-0.049 χ^2/NDF: 14904938.9/53

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/30

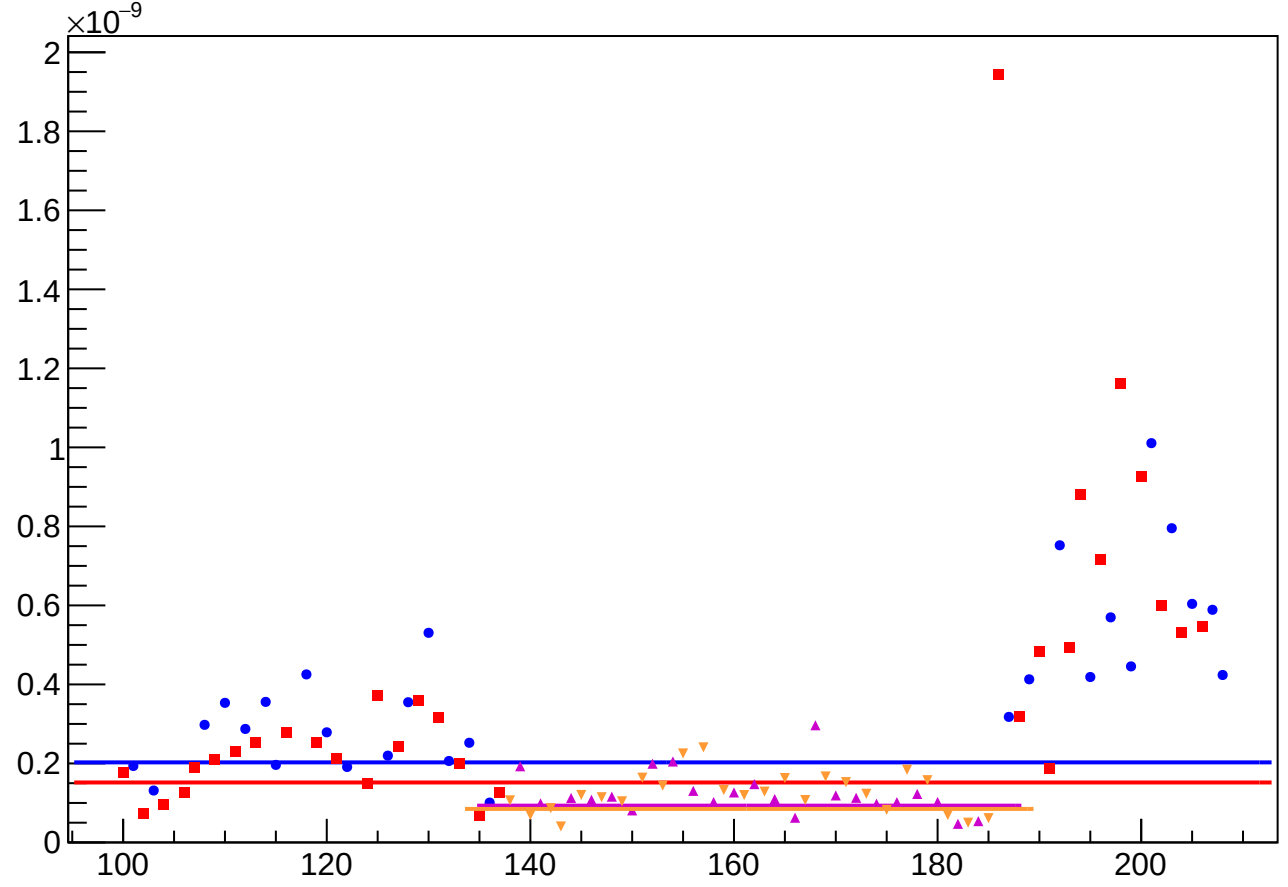
Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.3/51

All: 0.000+/-0.000 χ^2/NDF: 89.9/105

- sign 0.000+/-0.000 χ^2/NDF: 49.8/53

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6506020.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8019309.9/30

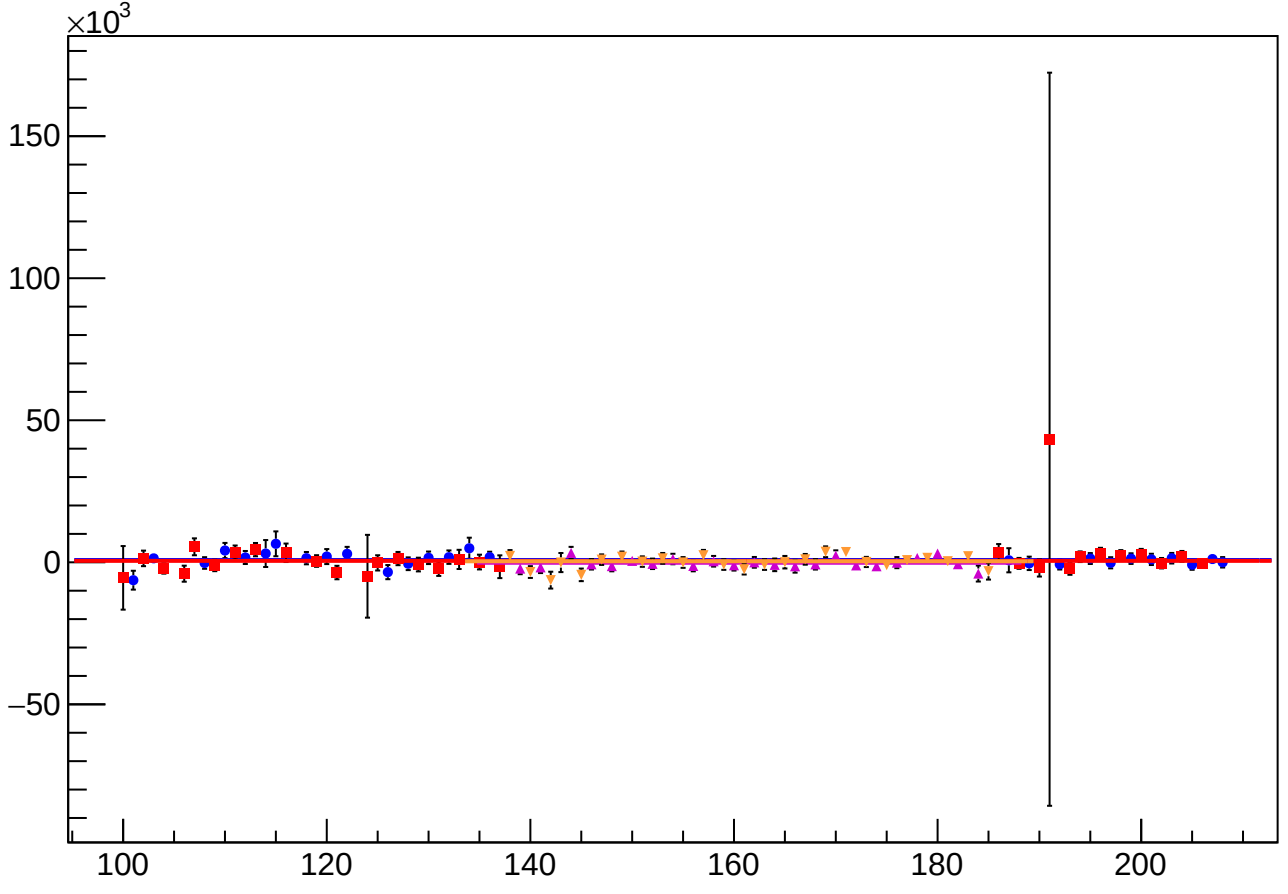
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 15791629.0/51

All: 0.000+/-0.000 χ^2/NDF: 29013597.8/105

- sign 0.000+/-0.000 χ^2/NDF: 13170351.3/53

reg_asym_at2_dd_mean vs Slug



Right In: 796.791+/-423.533 χ^2/NDF: 17.3/26

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 511.673+/-423.157 χ^2/NDF: 28.9/30

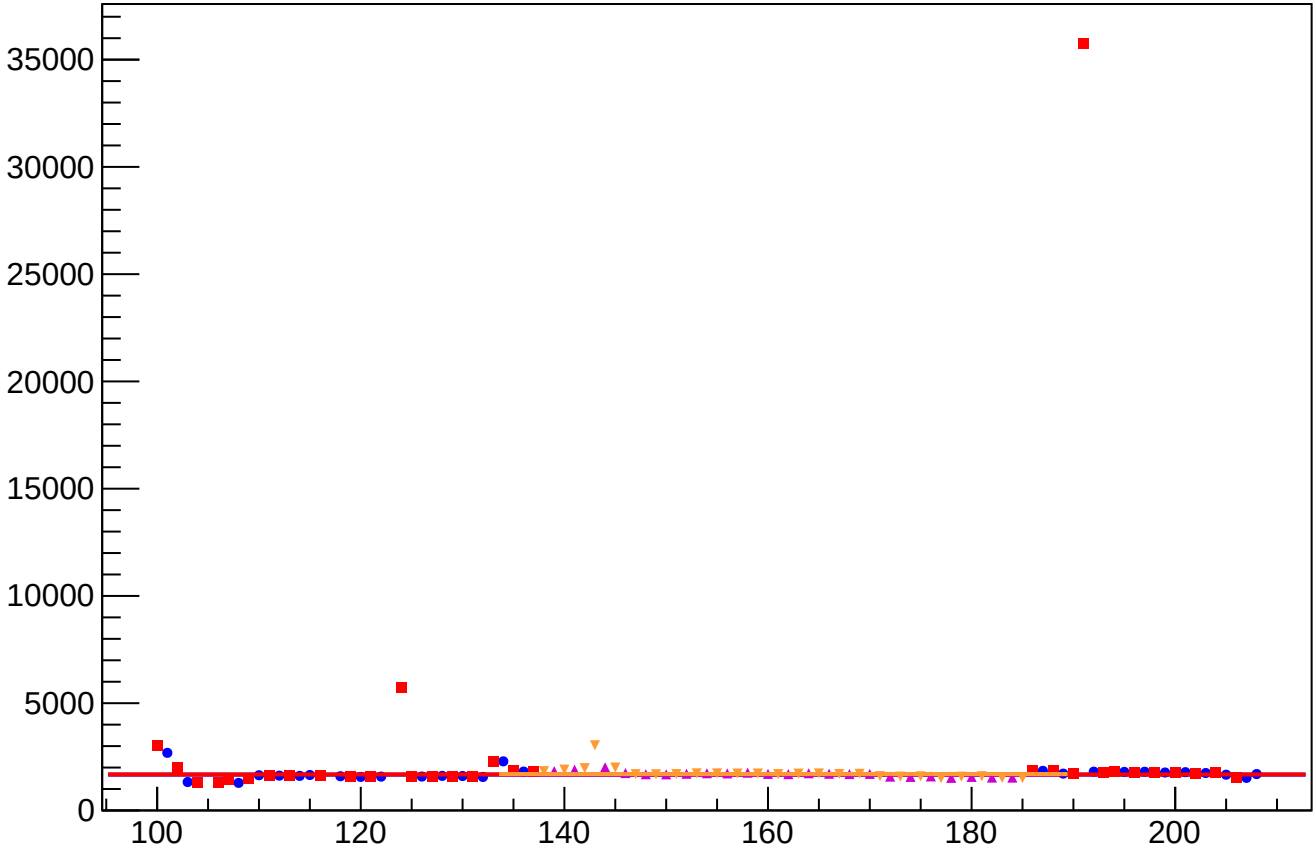
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 560.274+/-286.149 χ^2/NDF: 47.5/51

All: 358.627+/-203.149 χ^2/NDF: 94.7/105

- sign 153.711+/-288.458 χ^2/NDF: 46.3/53

reg_asym_at2_dd_rms vs Slug



Right In: 1670.973+/-0.299 χ^2/NDF: 488631.5/26

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1677.814+/-0.299 χ^2/NDF: 694077.2/30

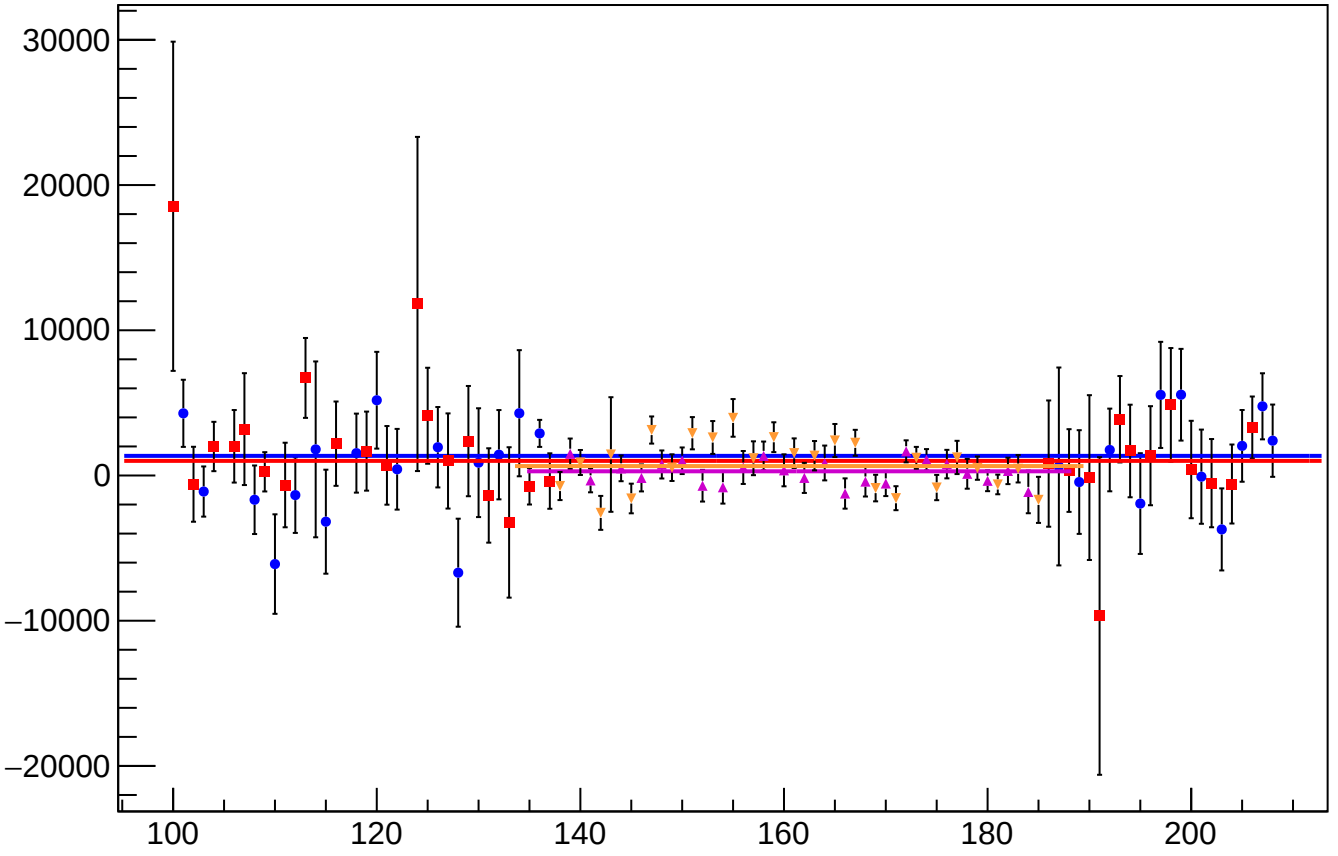
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1685.389+/-0.202 χ^2/NDF: 988292.4/51

All: 1683.427+/-0.144 χ^2/NDF: 1848188.3/10

- sign 1681.434+/-0.204 χ^2/NDF: 859706.4/53

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1351.905+/-487.778 χ^2/NDF: 32.3/26

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 1007.192+/-479.557 χ^2/NDF: 19.1/30

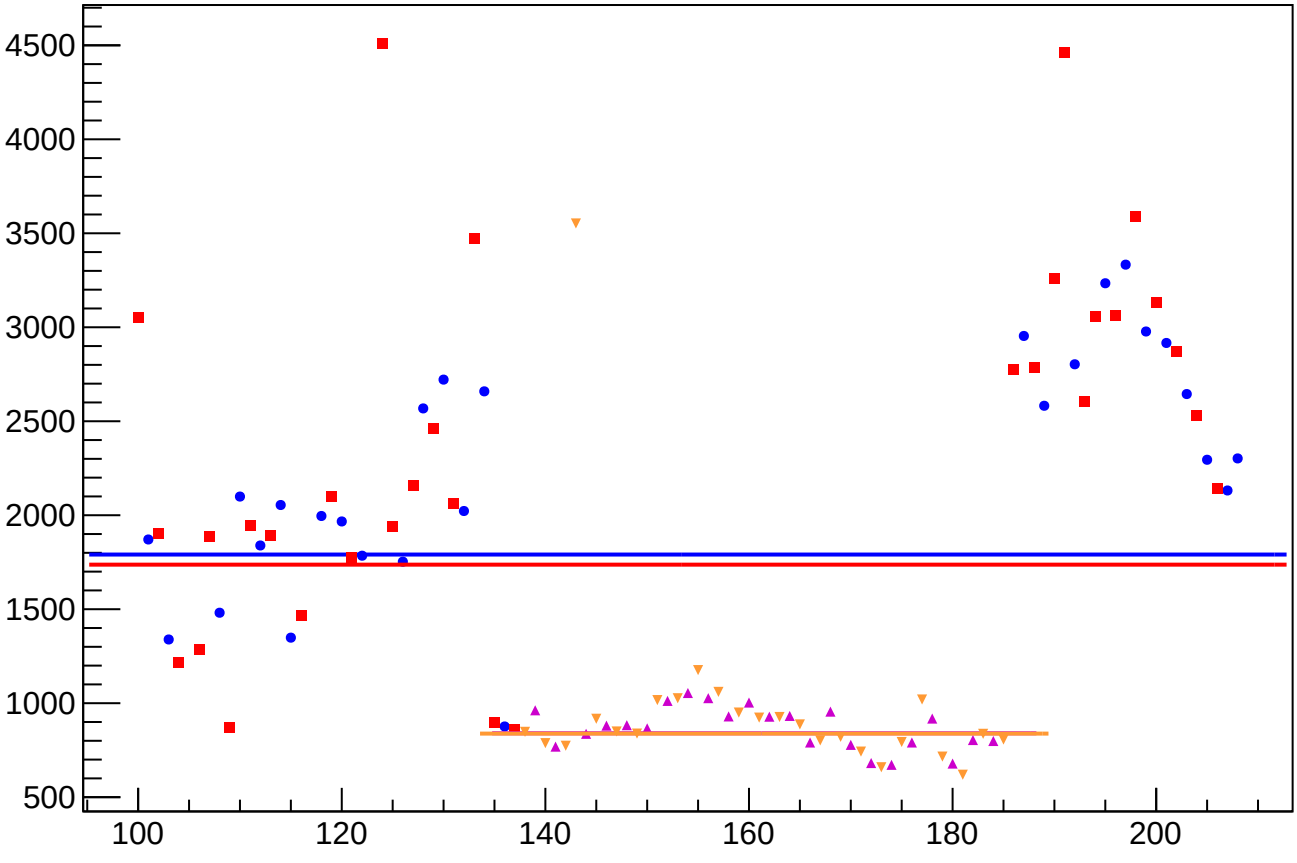
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 746.574+/-181.604 χ^2/NDF: 99.6/51

All: 571.886+/-129.045 χ^2/NDF: 139.1/105

- sign 393.718+/-183.404 χ^2/NDF: 37.6/53

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1790.865+/-0.345 χ^2/NDF: 4508267.0/26

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1737.085+/-0.339 χ^2/NDF: 5755206.8/30

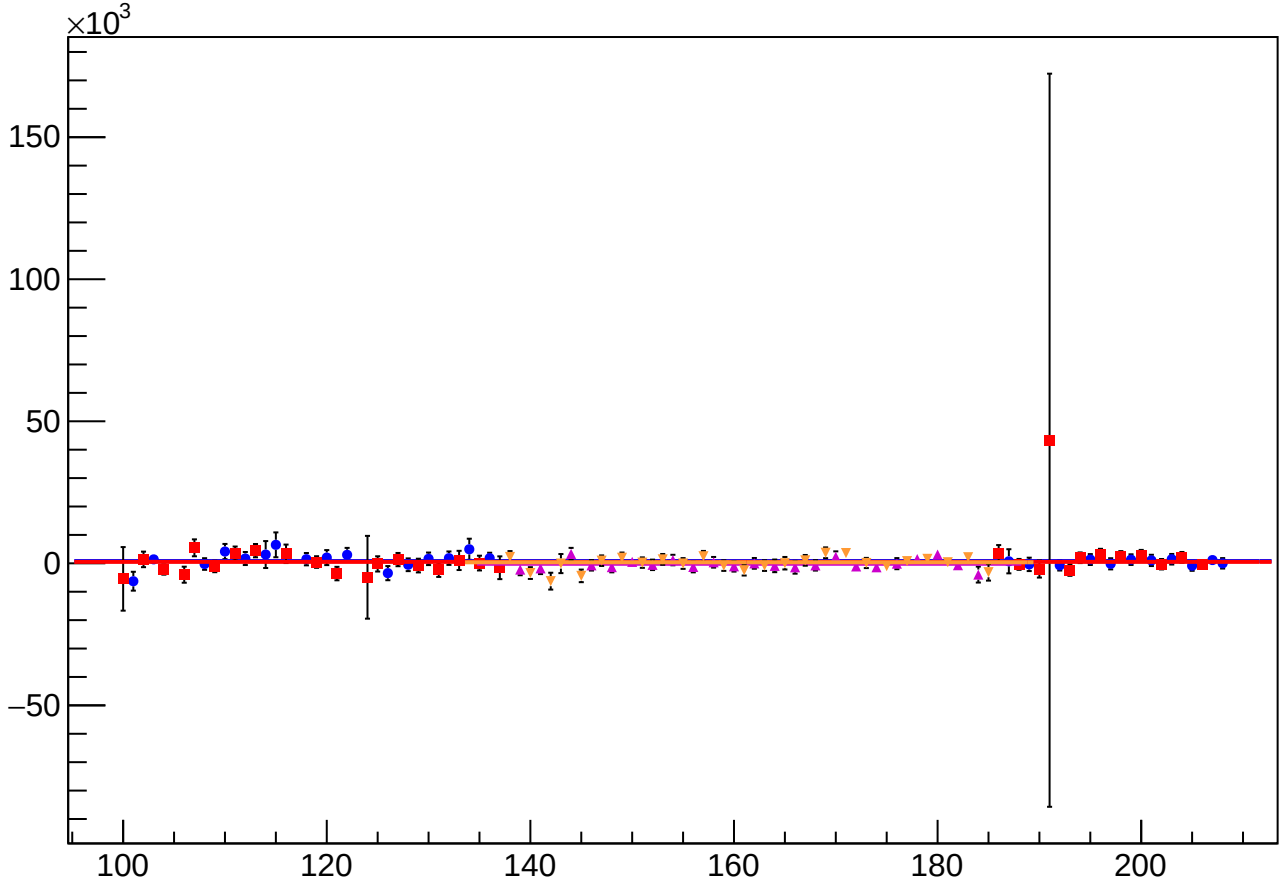
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 970.289+/-0.128 χ^2/NDF: 12879423.6/51

All: 970.735+/-0.091 χ^2/NDF: 25279346.9/10

- sign 971.191+/-0.130 χ^2/NDF: 12399898.9/53

cor_asym_at2_dd_mean vs Slug



Right In: 796.841+/-423.533 χ^2/NDF: 17.3/26

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 511.813+/-423.157 χ^2/NDF: 28.9/30

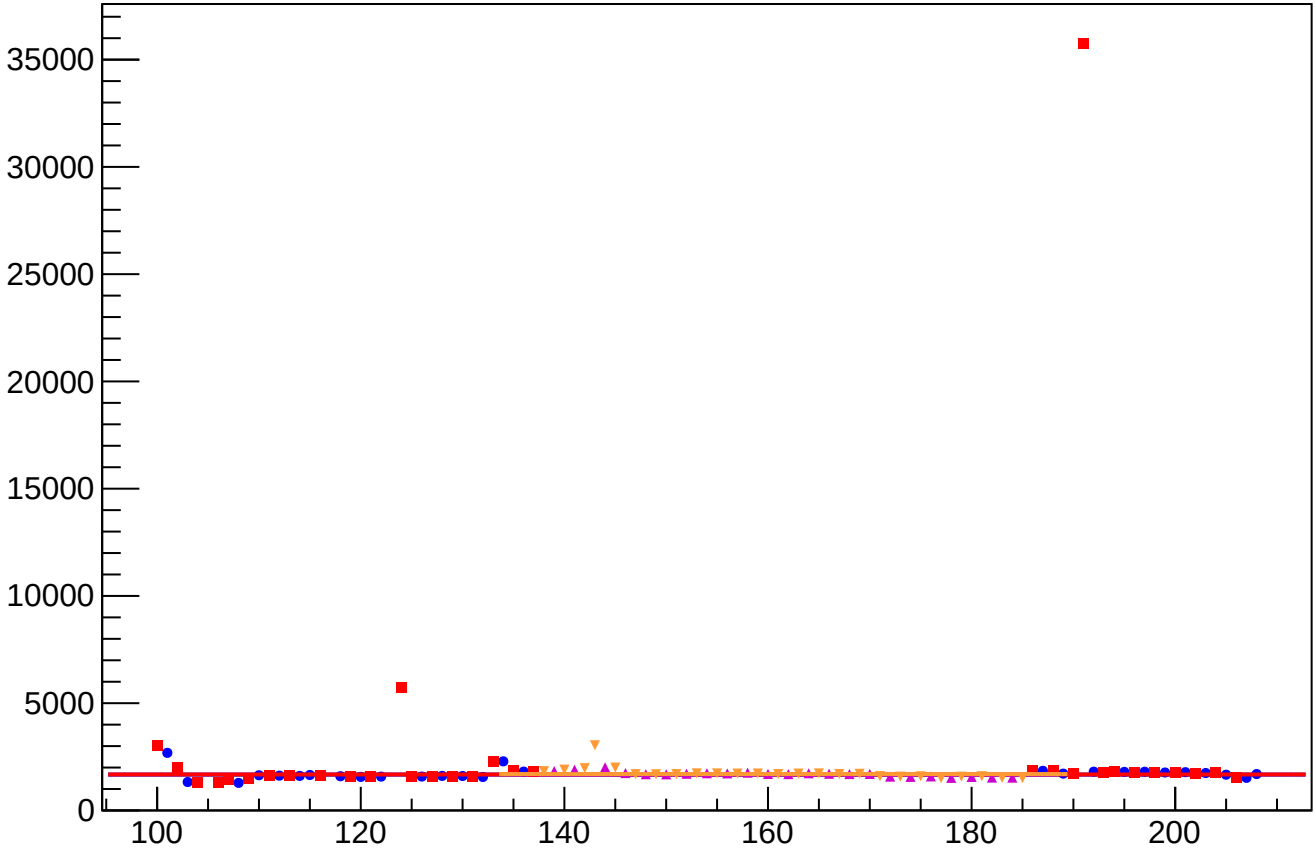
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 560.252+/-286.149 χ^2/NDF: 47.5/51

All: 358.672+/-203.149 χ^2/NDF: 94.8/105

- sign 153.826+/-288.458 χ^2/NDF: 46.3/53

cor_asym_at2_dd_rms vs Slug



Right In: 1670.973+/-0.299 χ^2/NDF: 488631.9/26

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1677.814+/-0.299 χ^2/NDF: 694077.4/30

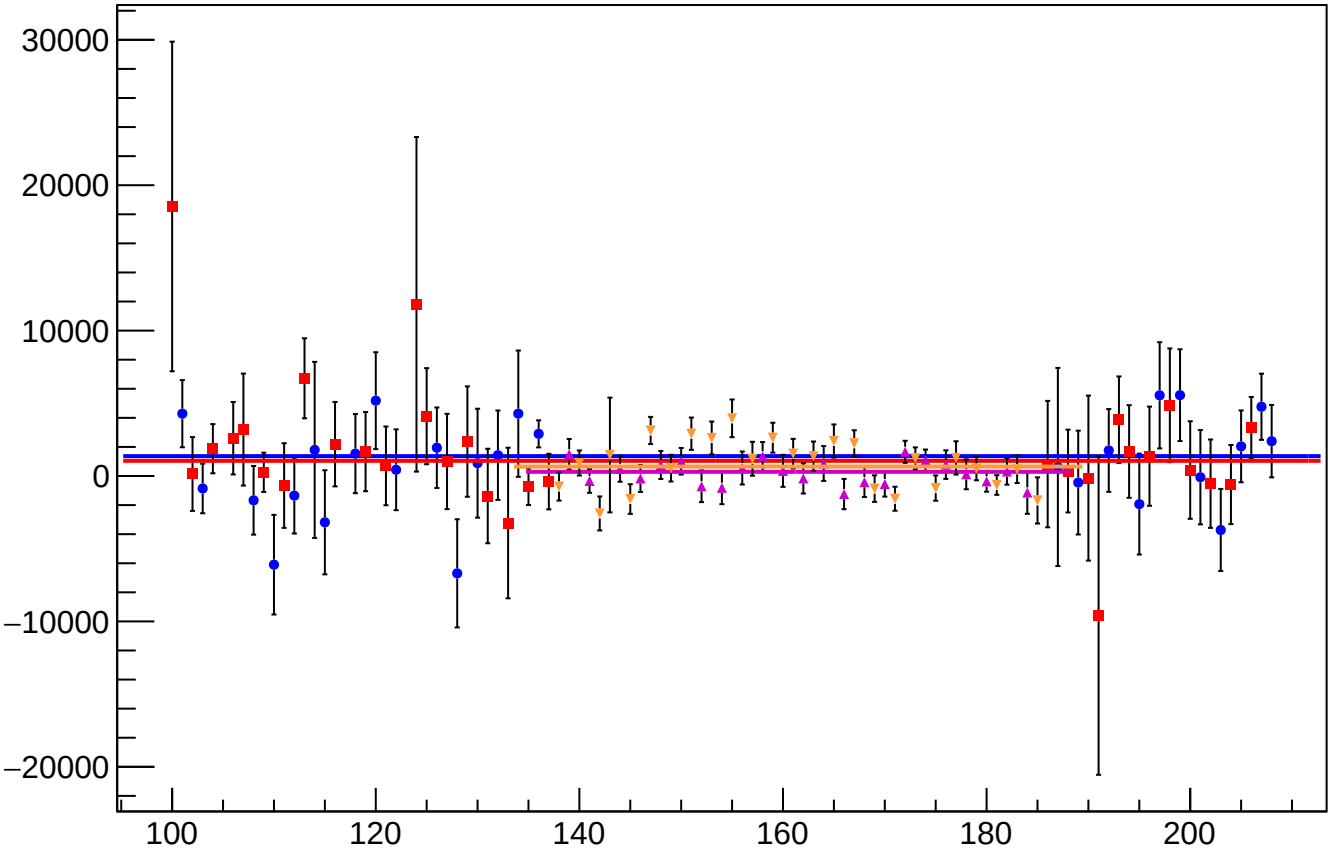
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1685.389+/-0.202 χ^2/NDF: 988292.7/51

All: 1683.427+/-0.144 χ^2/NDF: 1848188.7/10

- sign 1681.434+/-0.204 χ^2/NDF: 859706.5/53

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1367.836+/-487.286 χ^2/NDF: 31.9/26

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1045.244+/-479.066 χ^2/NDF: 19.0/30

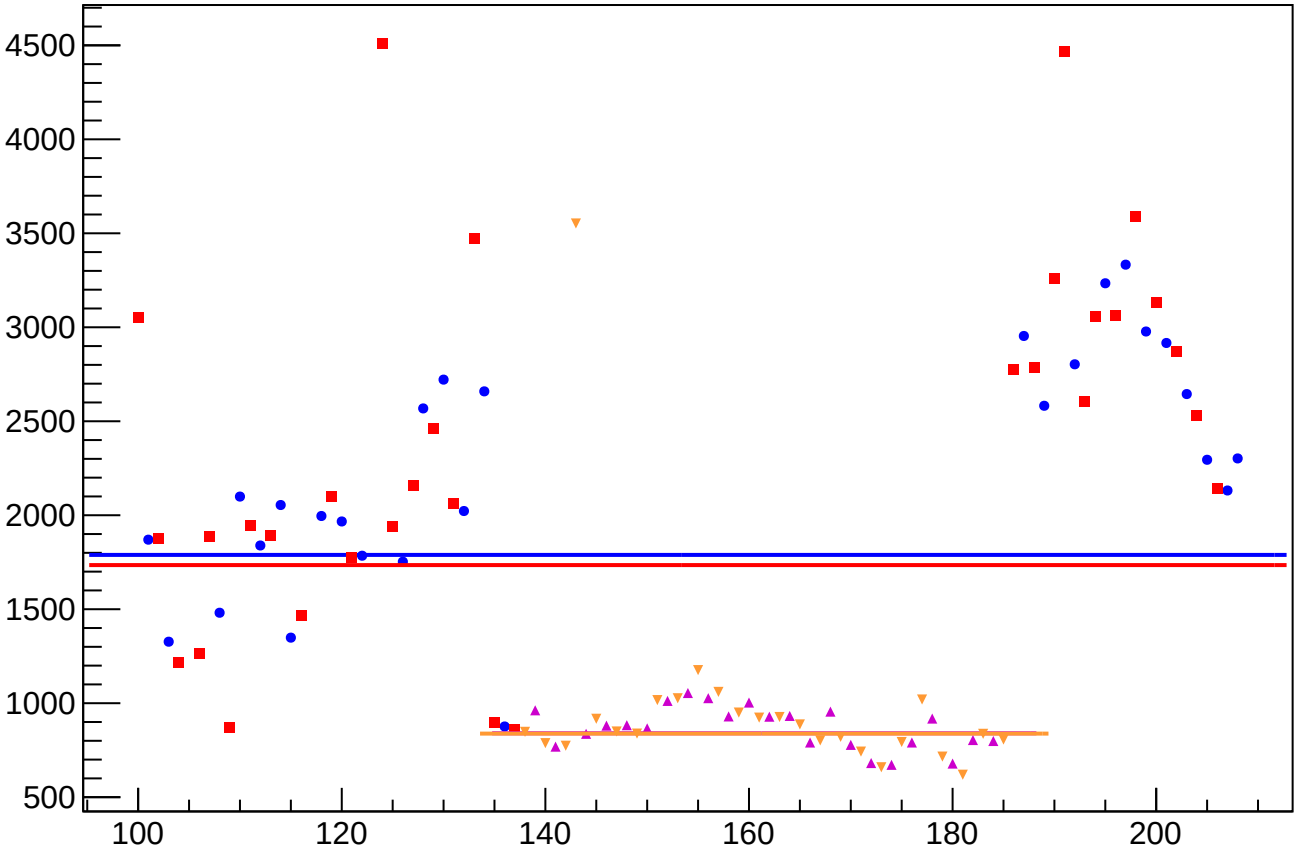
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

\+ sign 748.957+/-181.580 χ^2/NDF: 99.3/51

All: 575.932+/-129.027 χ^2/NDF: 138.9/105

\- sign 399.466+/-183.377 χ^2/NDF: 37.7/53

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1788.980+/-0.345 χ^2/NDF: 4518906.1/26

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1734.839+/-0.339 χ^2/NDF: 5762853.0/30

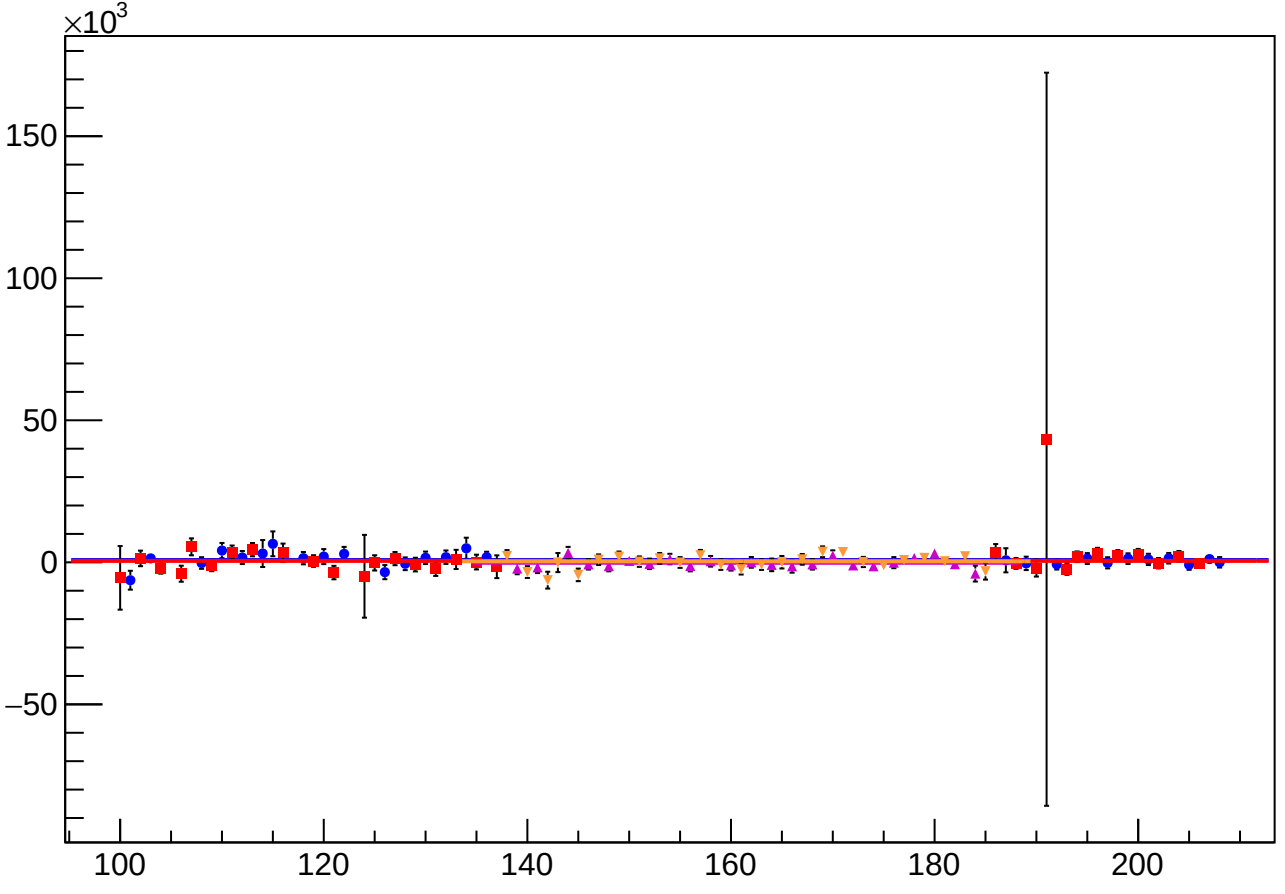
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 970.269+/-0.128 χ^2/NDF: 12875168.9/51

All: 970.677+/-0.091 χ^2/NDF: 25263232.0/10

- sign 971.094+/-0.130 χ^2/NDF: 12388042.7/53

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 796.841+/-423.533 χ^2/NDF: 17.3/26

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 511.813+/-423.157 χ^2/NDF: 28.9/30

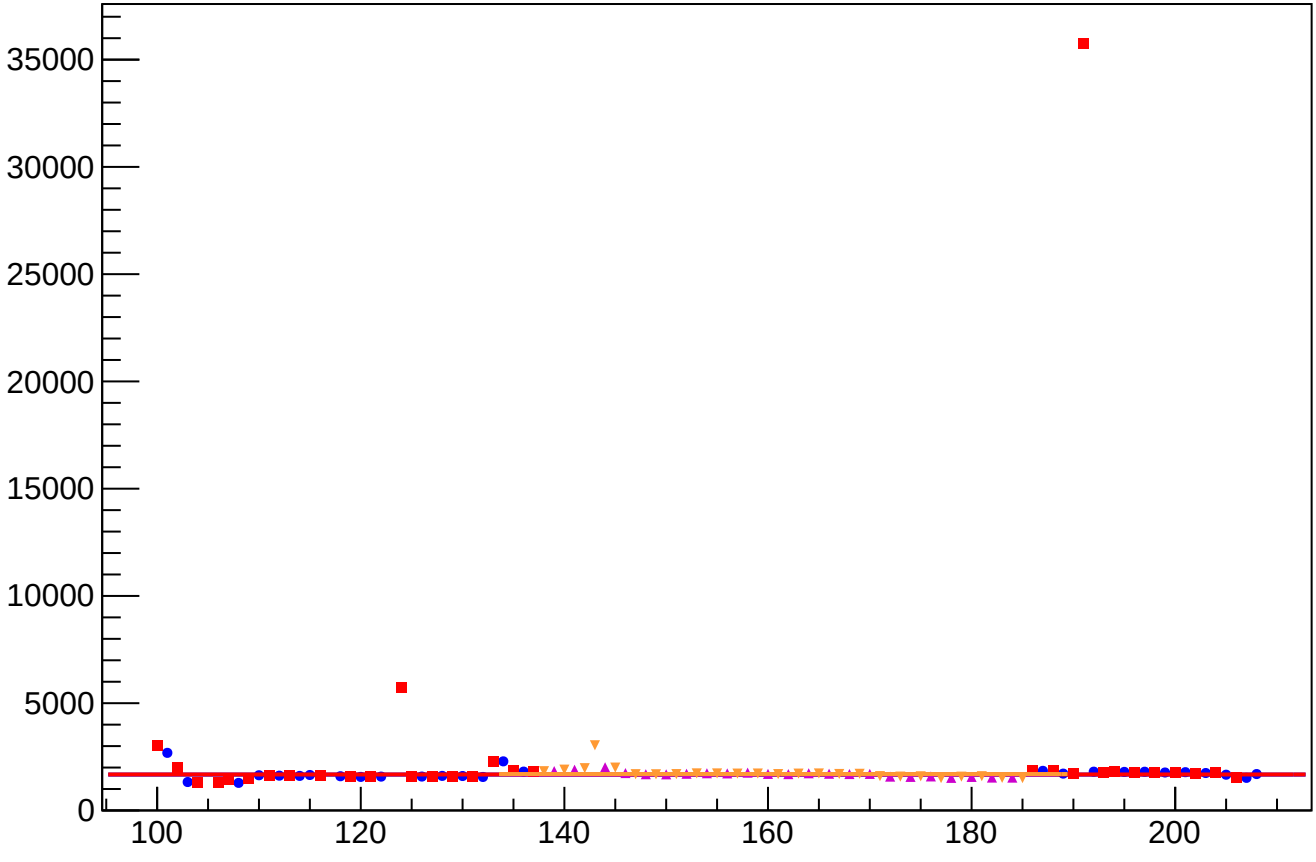
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 560.252+/-286.149 χ^2/NDF: 47.5/51

All: 358.672+/-203.149 χ^2/NDF: 94.8/105

- sign 153.826+/-288.458 χ^2/NDF: 46.3/53

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1670.973+/-0.299 χ^2/NDF: 488631.9/26

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

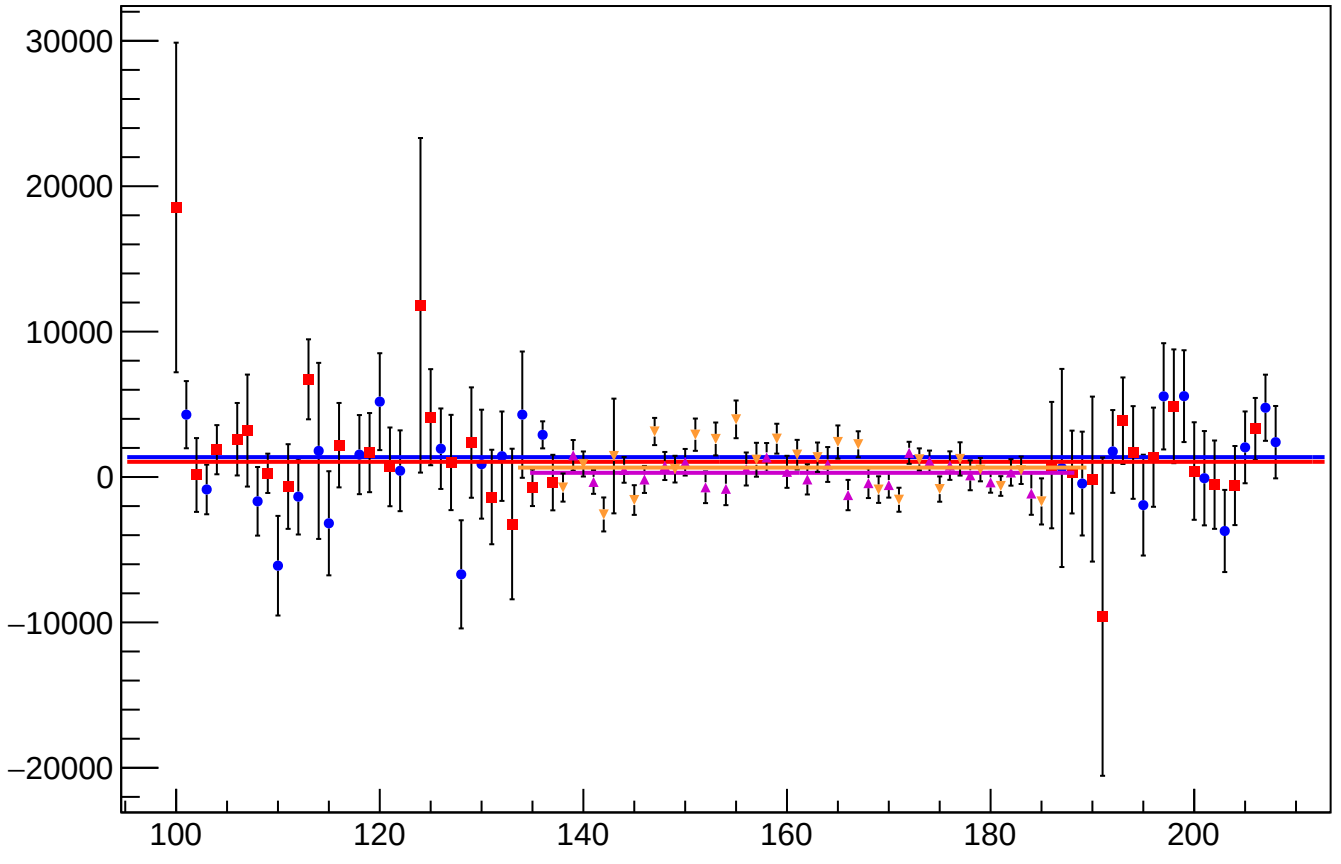
Right Out: 1677.814+/-0.299 χ^2/NDF: 694077.4/30

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1685.389+/-0.202 χ^2/NDF: 988292.7/51

All: 1683.427+/-0.144 χ^2/NDF: 1848188.7/10

- sign 1681.434+/-0.204 χ^2/NDF: 859706.5/53



Right In: 1367.836+/-487.286 χ^2/NDF: 31.9/26

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1045.244+/-479.066 χ^2/NDF: 19.0/30

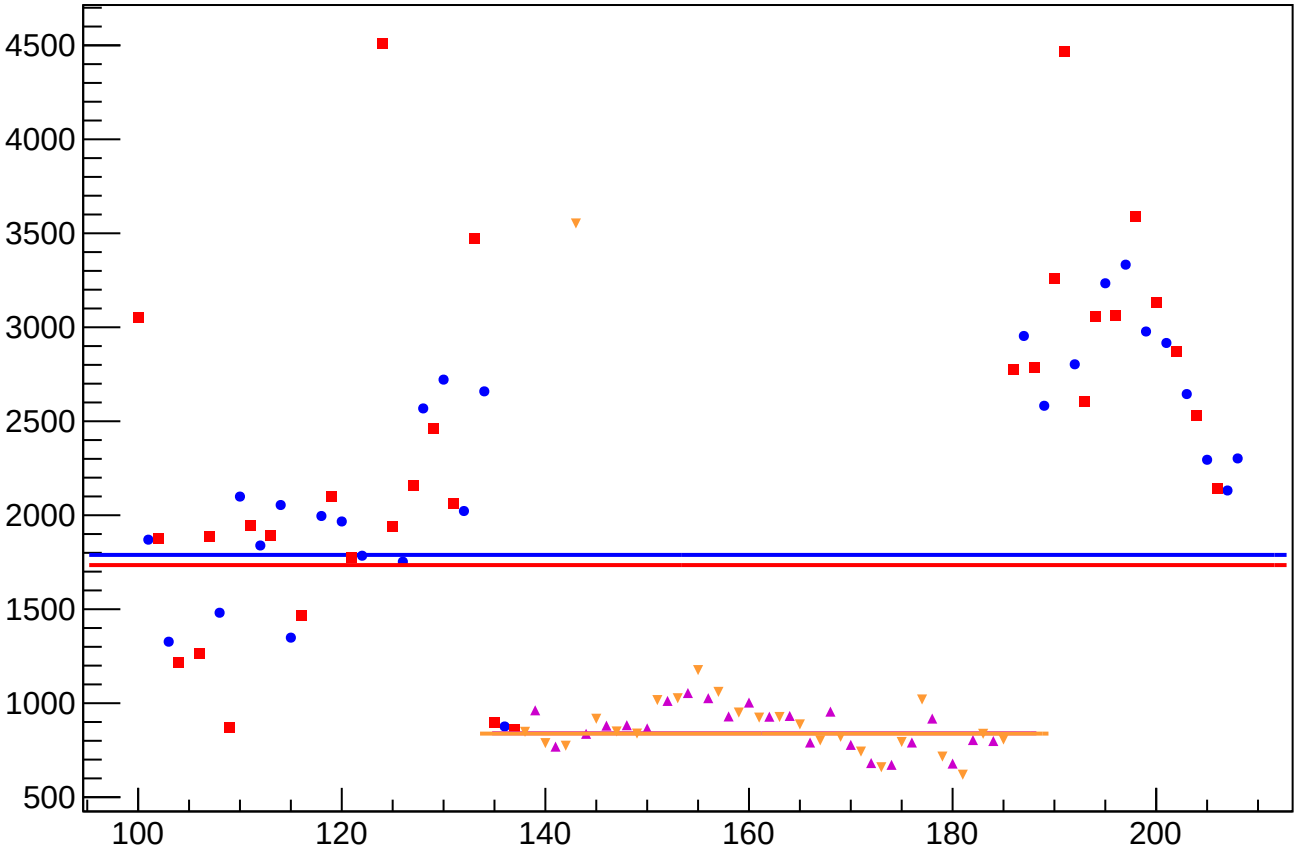
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 748.957+/-181.580 χ^2/NDF: 99.3/51

All: 575.932+/-129.027 χ^2/NDF: 138.9/105

- sign 399.466+/-183.377 χ^2/NDF: 37.7/53

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1788.980+/-0.345 χ^2/NDF: 4518906.1/26

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1734.839+/-0.339 χ^2/NDF: 5762853.0/30

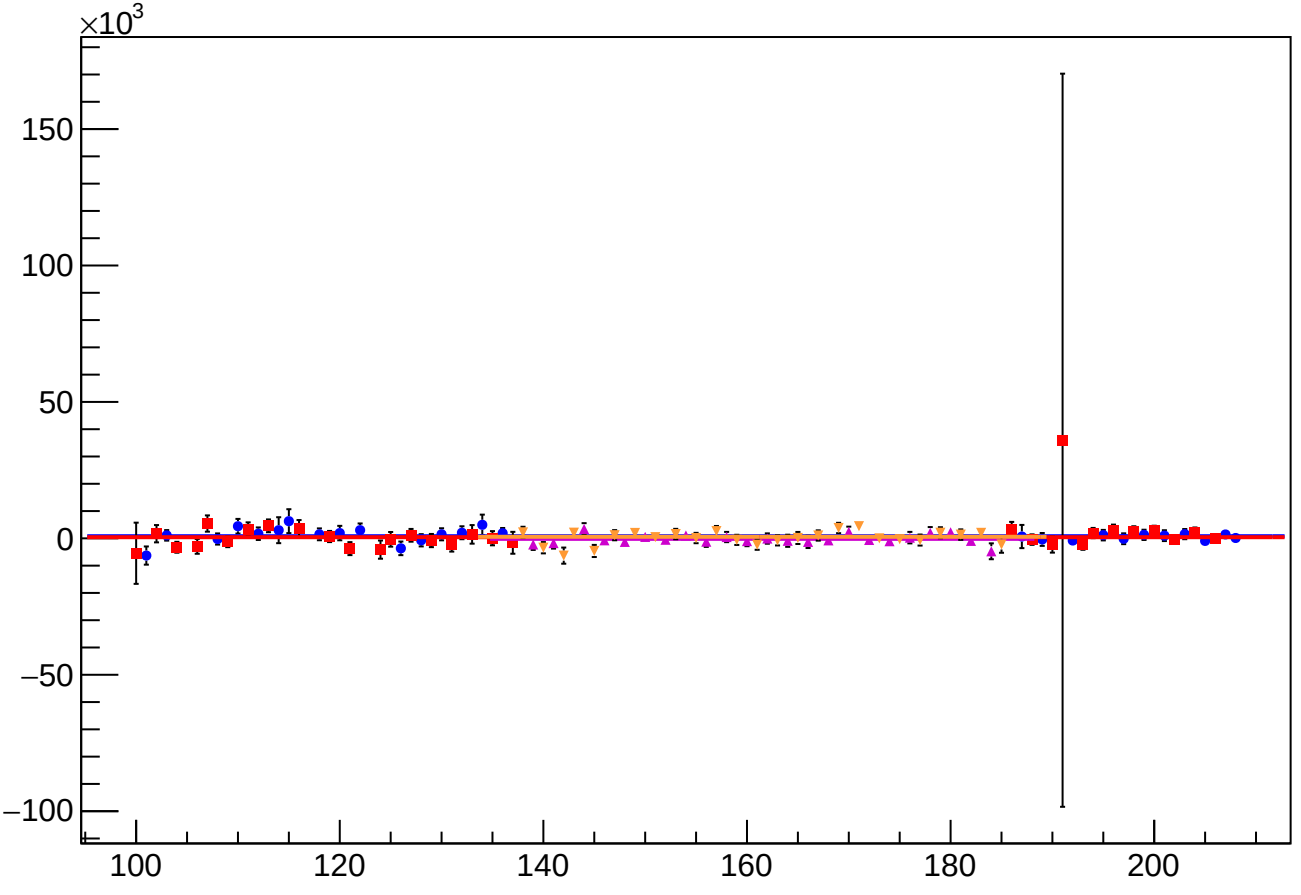
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 970.269+/-0.128 χ^2/NDF: 12875168.9/51

All: 970.677+/-0.091 χ^2/NDF: 25263232.0/10

- sign 971.094+/-0.130 χ^2/NDF: 12388042.7/53

dit_asym_at2_dd_mean vs Slug



Right In: 788.142+/-426.706 χ^2/NDF: 18.0/26

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 420.727+/-423.713 χ^2/NDF: 31.1/30

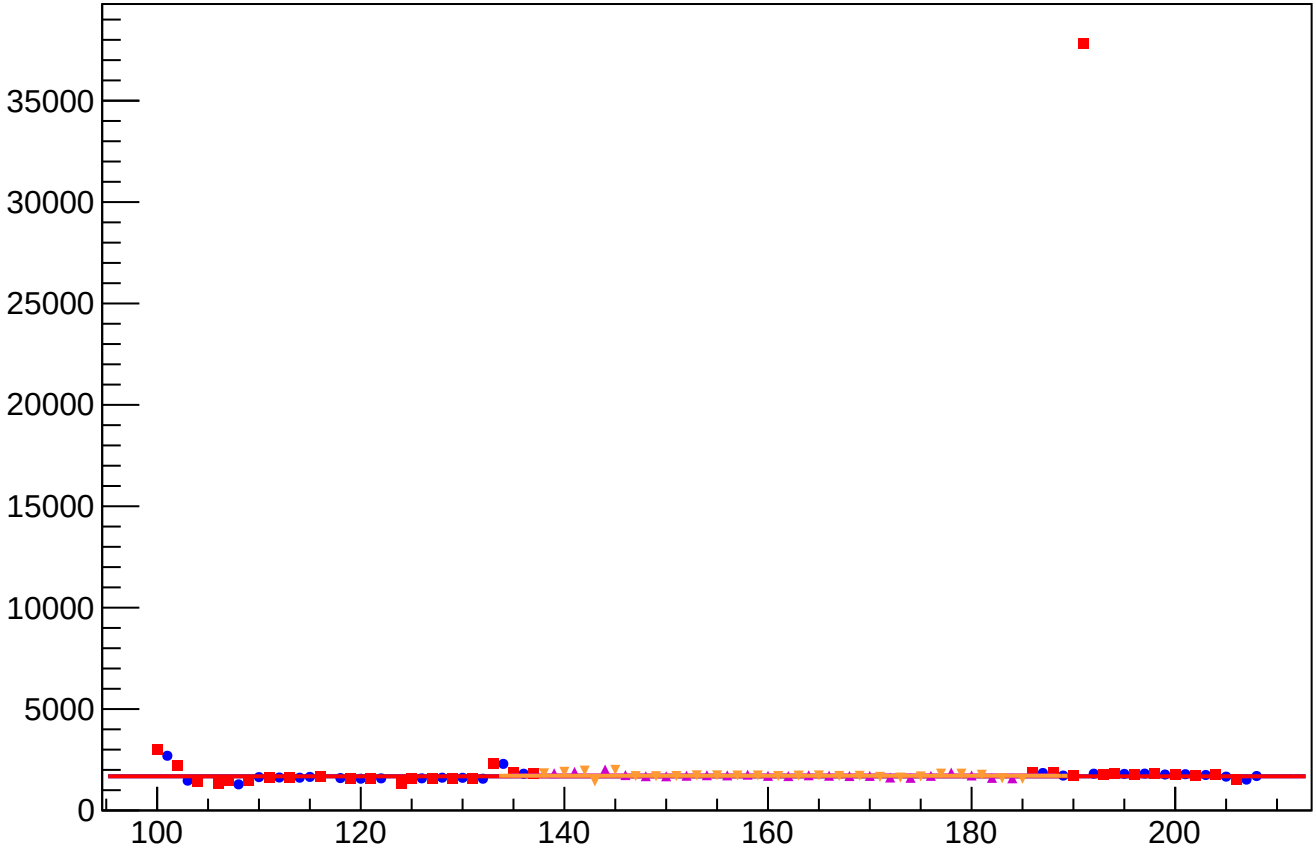
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 674.837+/-287.782 χ^2/NDF: 50.1/51

All: 393.535+/-205.115 χ^2/NDF: 98.6/105

- sign 103.078+/-292.428 χ^2/NDF: 46.6/53

dit_asym_at2_dd_rms vs Slug



Right In: 1684.945+/-0.302 χ^2/NDF: 435519.5/26

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1683.254+/-0.300 χ^2/NDF: 555062.2/30

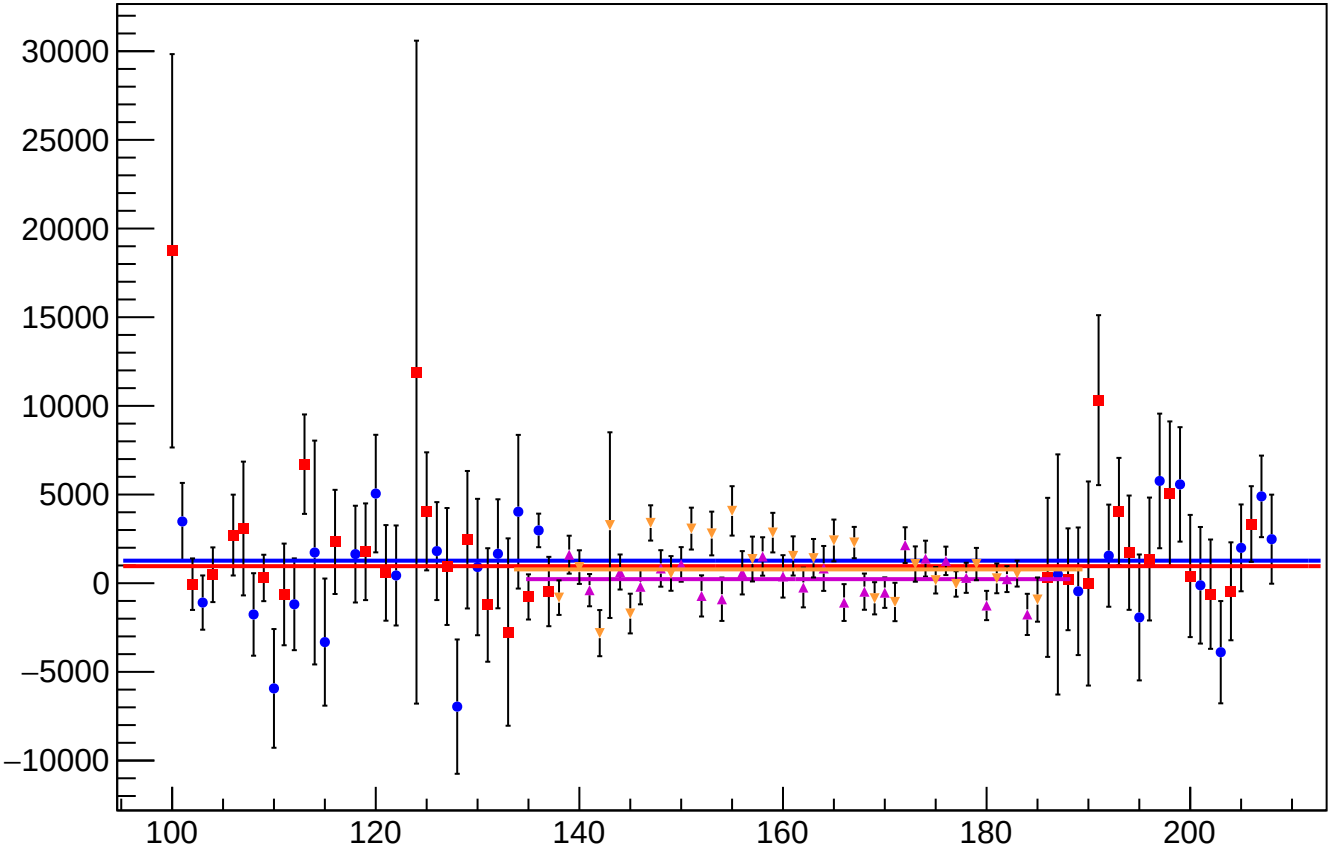
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1699.537+/-0.203 χ^2/NDF: 607816.2/51

All: 1703.032+/-0.145 χ^2/NDF: 1275339.9/10

- sign 1706.641+/-0.207 χ^2/NDF: 666924.0/53

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1270.921+/-484.940 χ^2/NDF: 32.6/26

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 961.329+/-457.210 χ^2/NDF: 21.7/30

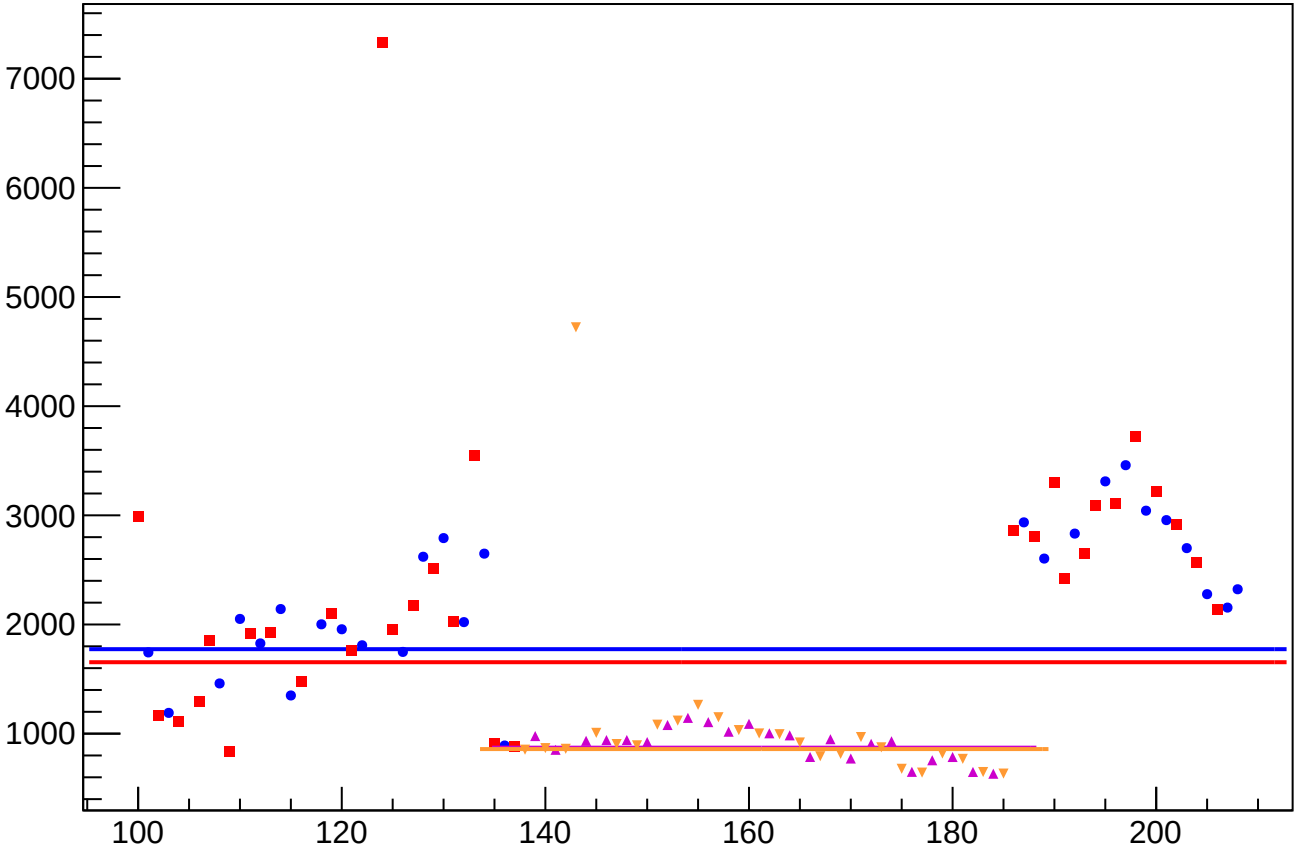
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

\+ sign 851.491+/-186.187 χ^2/NDF: 88.0/51

All: 605.212+/-132.412 χ^2/NDF: 138.0/105

\- sign 353.179+/-188.349 χ^2/NDF: 46.5/53

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1773.874+/-0.343 χ^2/NDF: 4686932.2/26

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1654.345+/-0.323 χ^2/NDF: 6303531.2/30

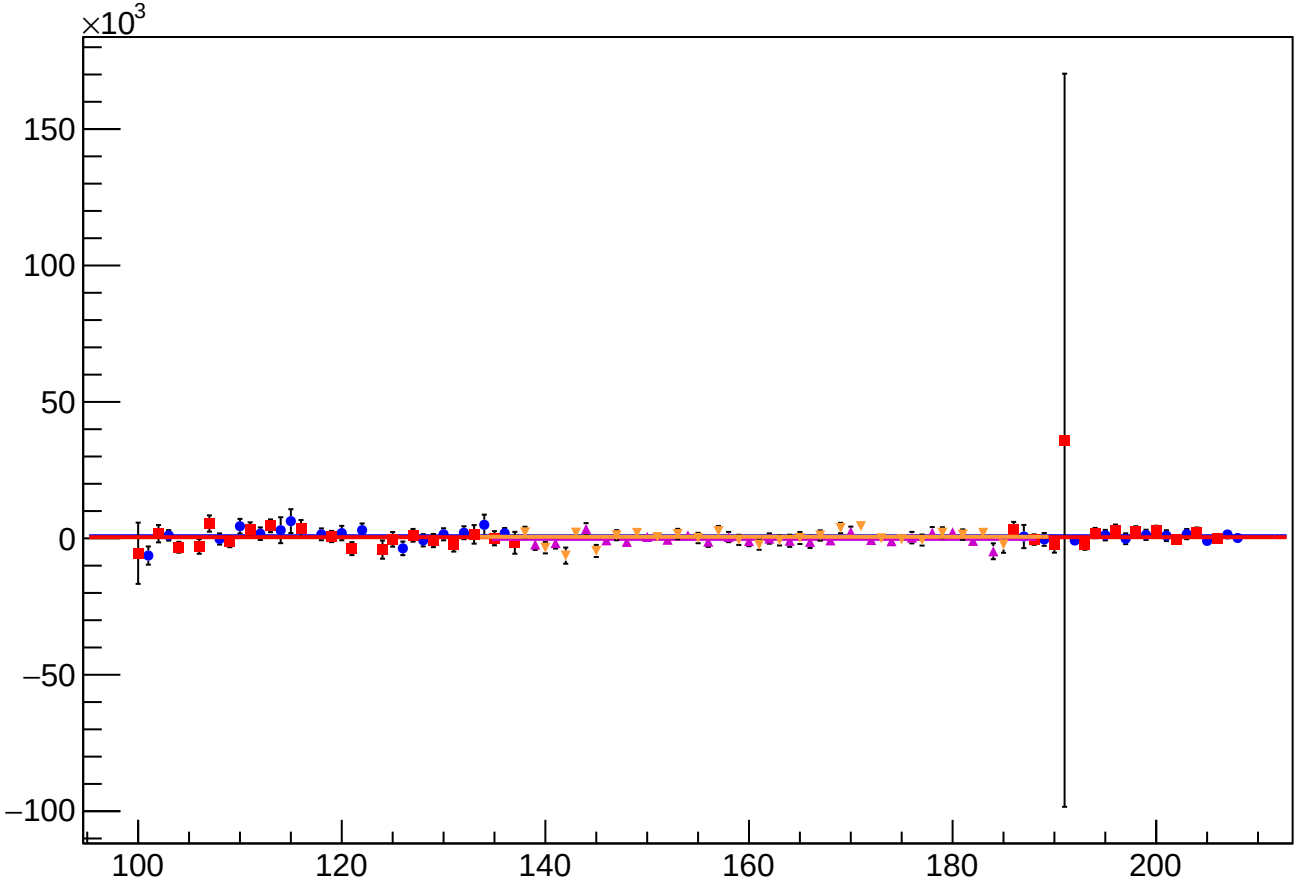
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 993.513+/-0.132 χ^2/NDF: 13041123.9/51

All: 998.881+/-0.094 χ^2/NDF: 25195399.5/10

- sign 1004.375+/-0.133 χ^2/NDF: 12150911.5/53

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 788.139+/-426.706 χ^2/NDF: 18.0/26

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 420.725+/-423.713 χ^2/NDF: 31.1/30

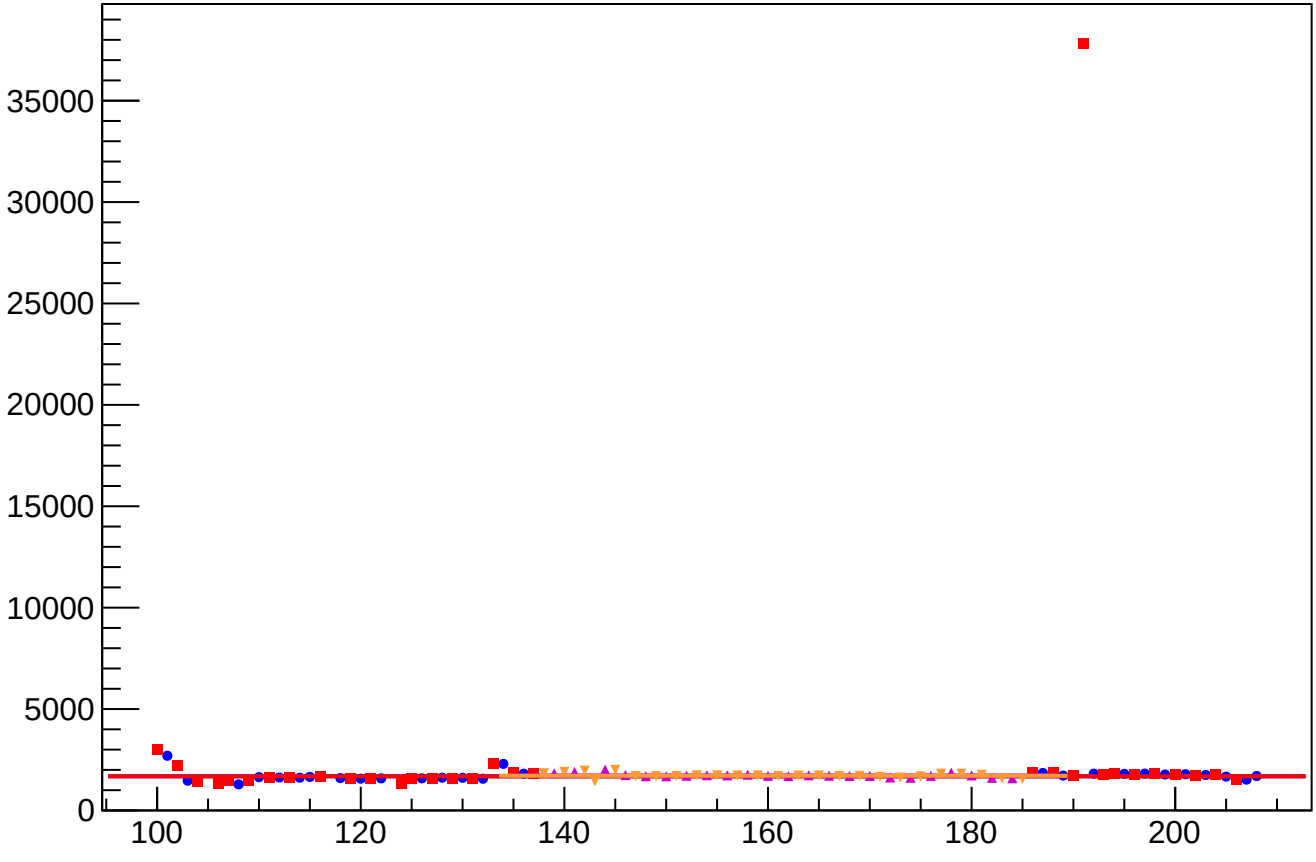
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 674.833+/-287.782 χ^2/NDF: 50.1/51

All: 393.532+/-205.115 χ^2/NDF: 98.6/105

- sign 103.077+/-292.427 χ^2/NDF: 46.6/53

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1684.944+/-0.302 χ^2/NDF: 435519.4/26

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1683.254+/-0.300 χ^2/NDF: 555062.3/30

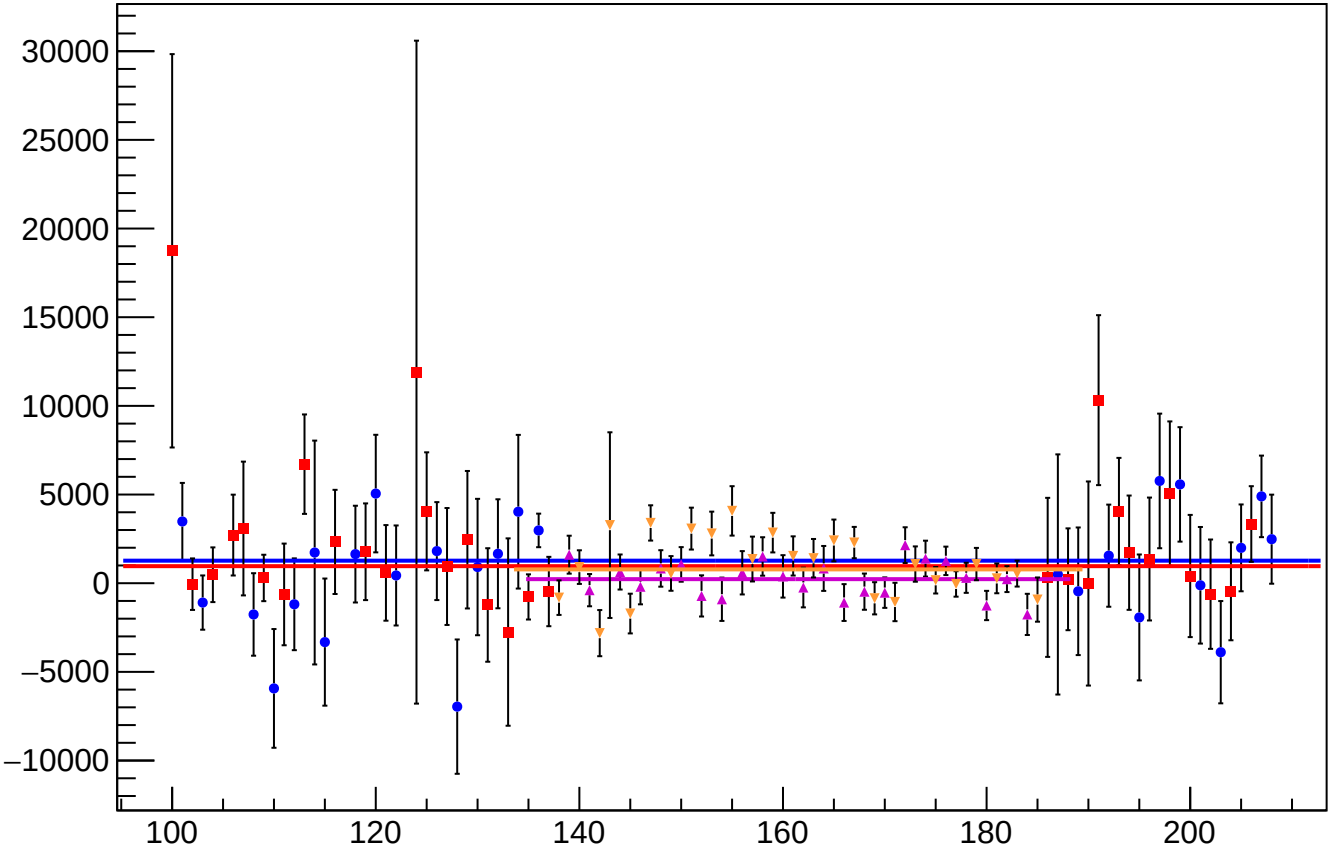
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1699.536+/-0.203 χ^2/NDF: 607814.8/51

All: 1703.032+/-0.145 χ^2/NDF: 1275338.4/10

- sign 1706.641+/-0.207 χ^2/NDF: 666923.9/53

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1270.917+/-484.942 χ^2/NDF: 32.6/26

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 961.344+/-457.213 χ^2/NDF: 21.7/30

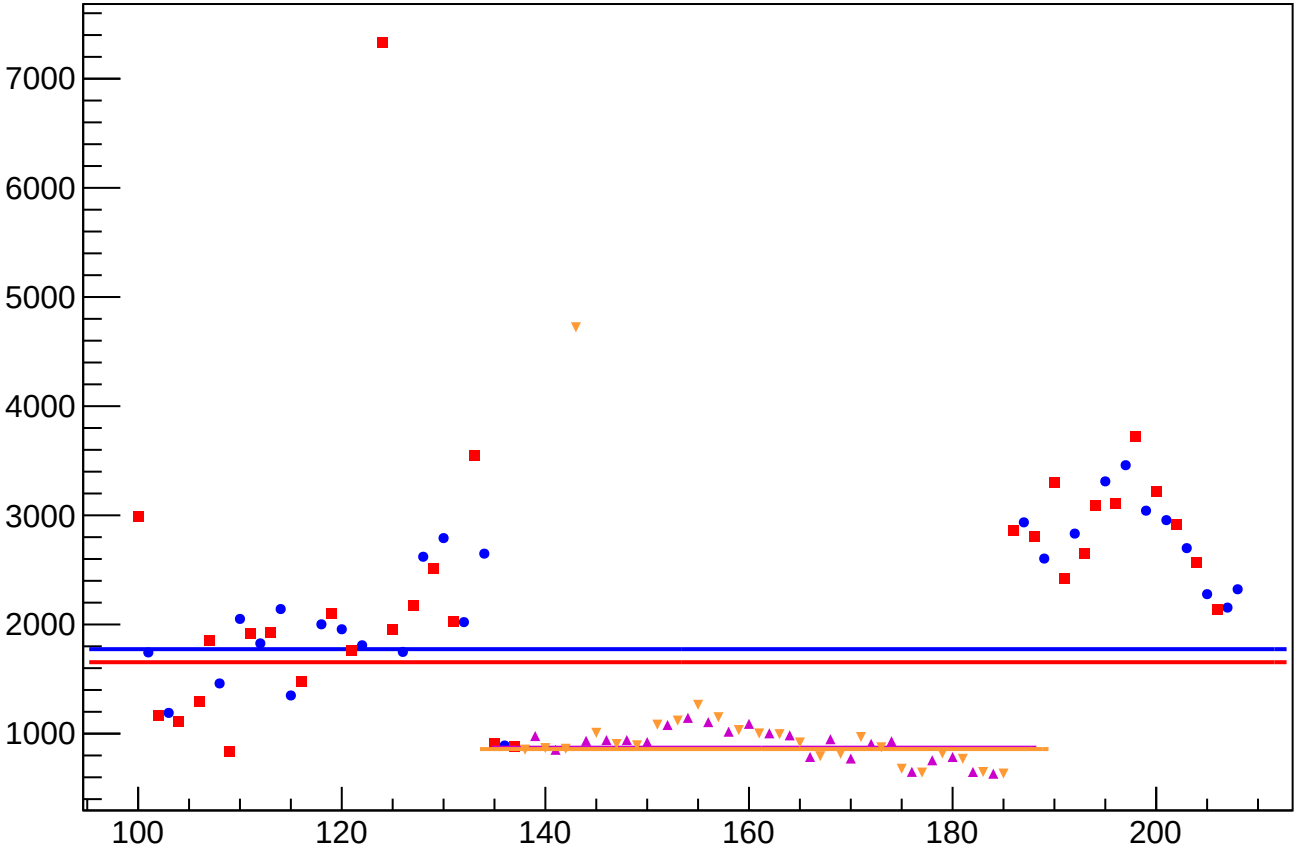
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 851.492+/-186.187 χ^2/NDF: 88.0/51

All: 605.212+/-132.412 χ^2/NDF: 138.0/105

- sign 353.179+/-188.349 χ^2/NDF: 46.5/53

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1773.887+/-0.343 χ^2/NDF: 4686762.6/26

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1654.359+/-0.323 χ^2/NDF: 6303382.2/30

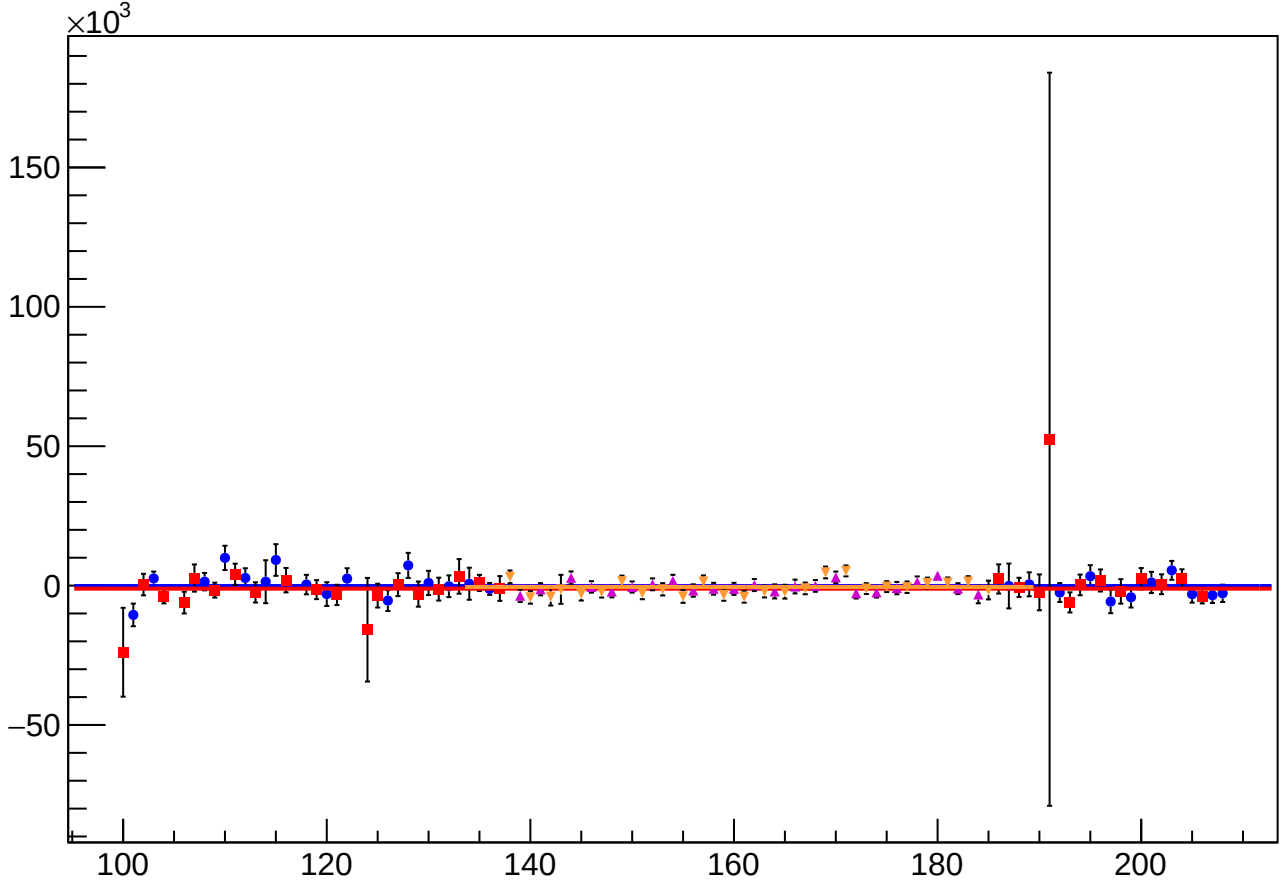
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 993.514+/-0.132 χ^2/NDF: 13041078.0/51

All: 998.882+/-0.094 χ^2/NDF: 25195348.4/10

- sign 1004.375+/-0.133 χ^2/NDF: 12150907.0/53

asym_at2_dd_mean vs Slug



Right In: -160.652+/-697.493 χ^2/NDF: 32.9/26

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1103.620+/-697.748 χ^2/NDF: 17.5/30

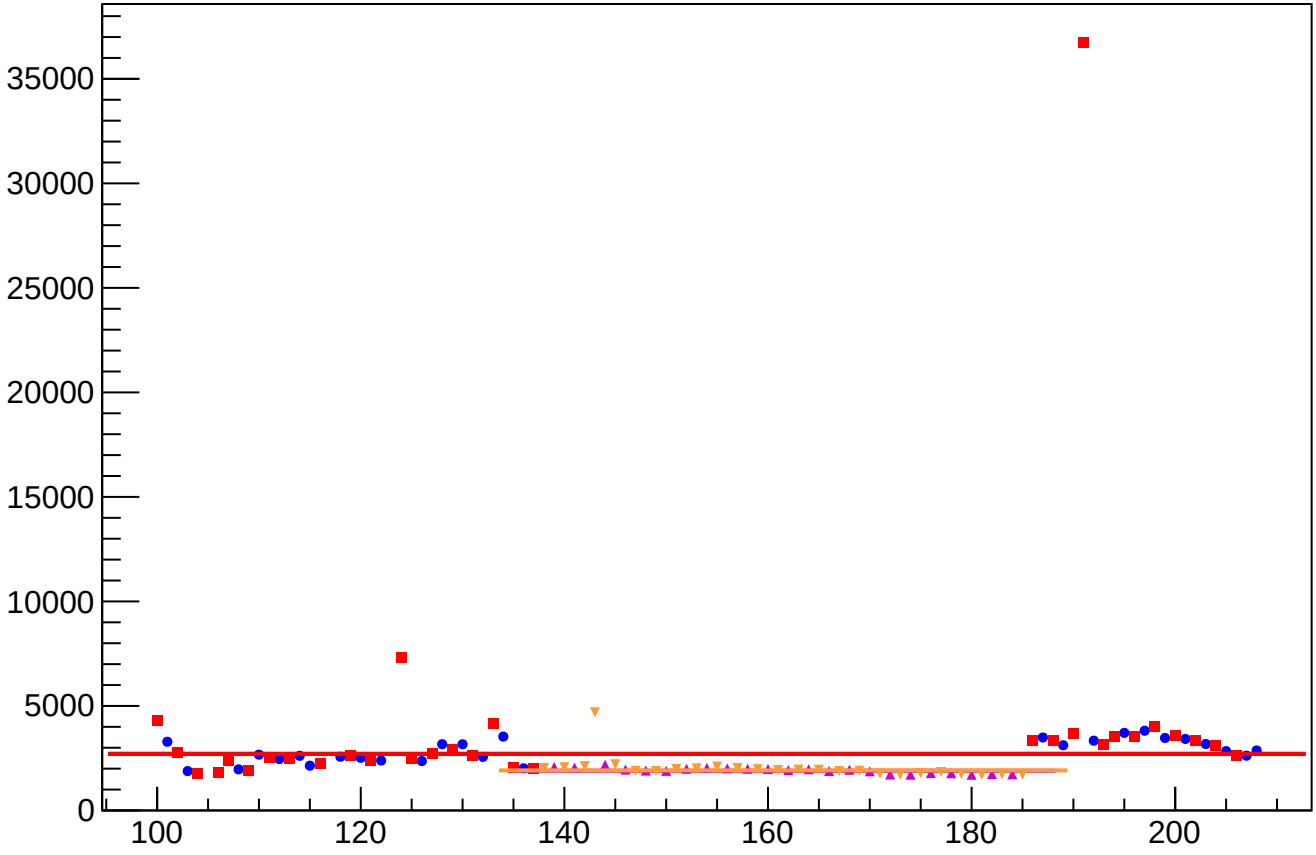
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -404.511+/-372.090 χ^2/NDF: 69.0/51

All: -507.078+/-264.107 χ^2/NDF: 106.2/105

- sign -611.220+/-374.935 χ^2/NDF: 37.0/53

asym_at2_dd_rms vs Slug



Right In: 2710.791+/-0.493 χ^2/NDF: 1322940.1/26

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2703.276+/-0.493 χ^2/NDF: 1945060.0/30

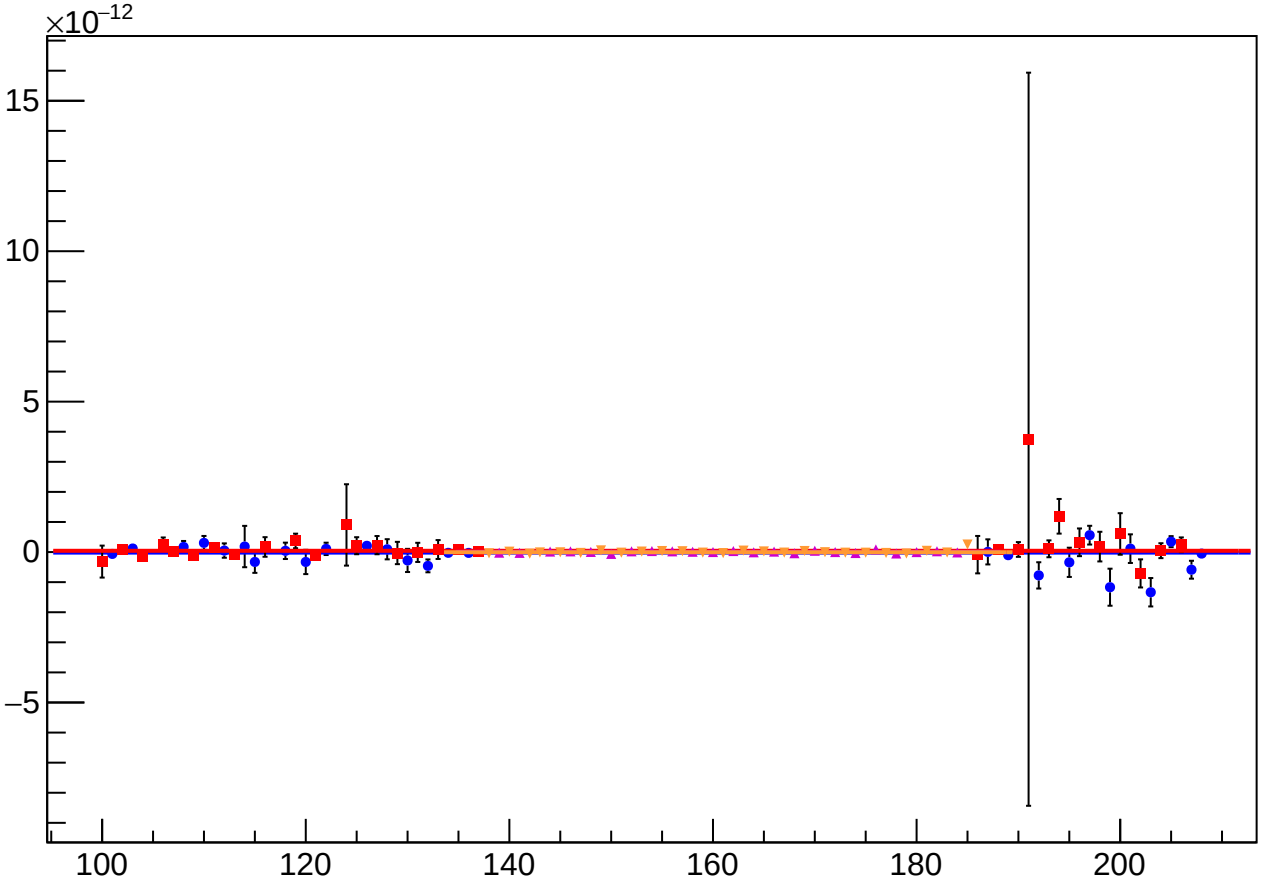
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2143.016+/-0.263 χ^2/NDF: 3931776.6/51

All: 2137.256+/-0.187 χ^2/NDF: 7940069.0/10

- sign 2131.407+/-0.265 χ^2/NDF: 4007326.4/53

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 41.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

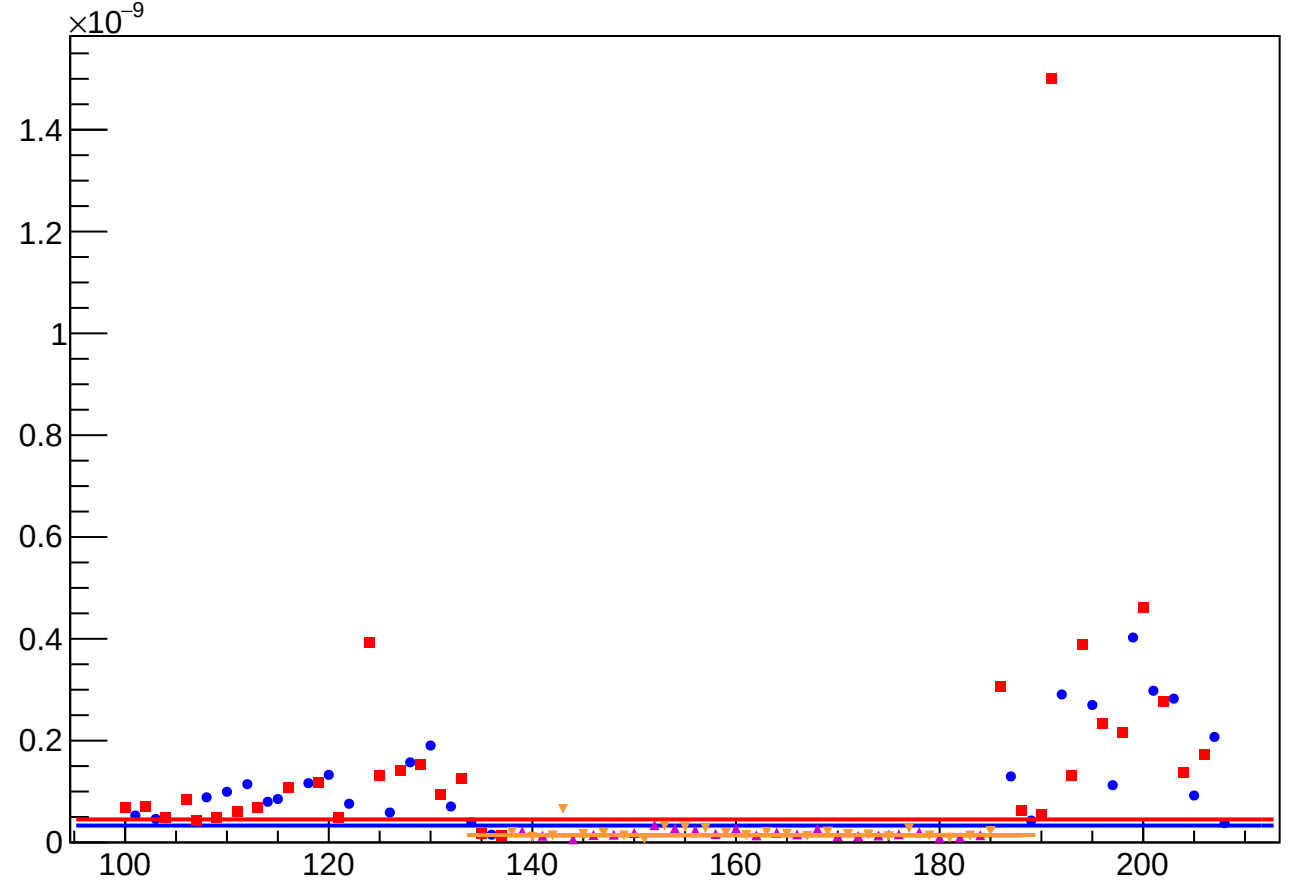
Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/30

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.0/51

All: 0.000+/-0.000 χ^2/NDF: 124.5/105

- sign 0.000+/-0.000 χ^2/NDF: 50.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 7071468.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6569679.2/30

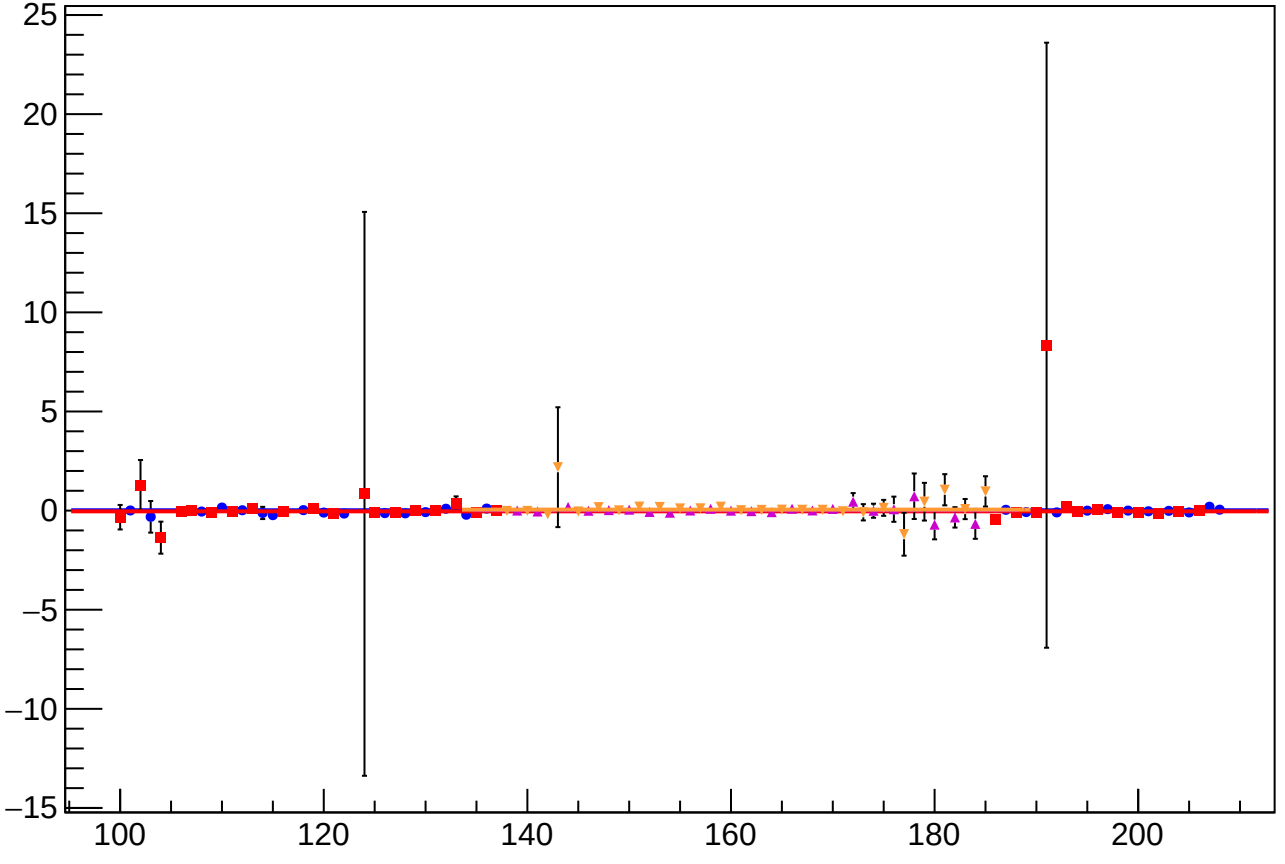
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10386132.4/51

All: 0.000+/-0.000 χ^2/NDF: 21568047.7/105

- sign 0.000+/-0.000 χ^2/NDF: 11173870.1/53

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.019 χ^2/NDF: 29.2/26

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.037+/-0.019 χ^2/NDF: 25.1/30

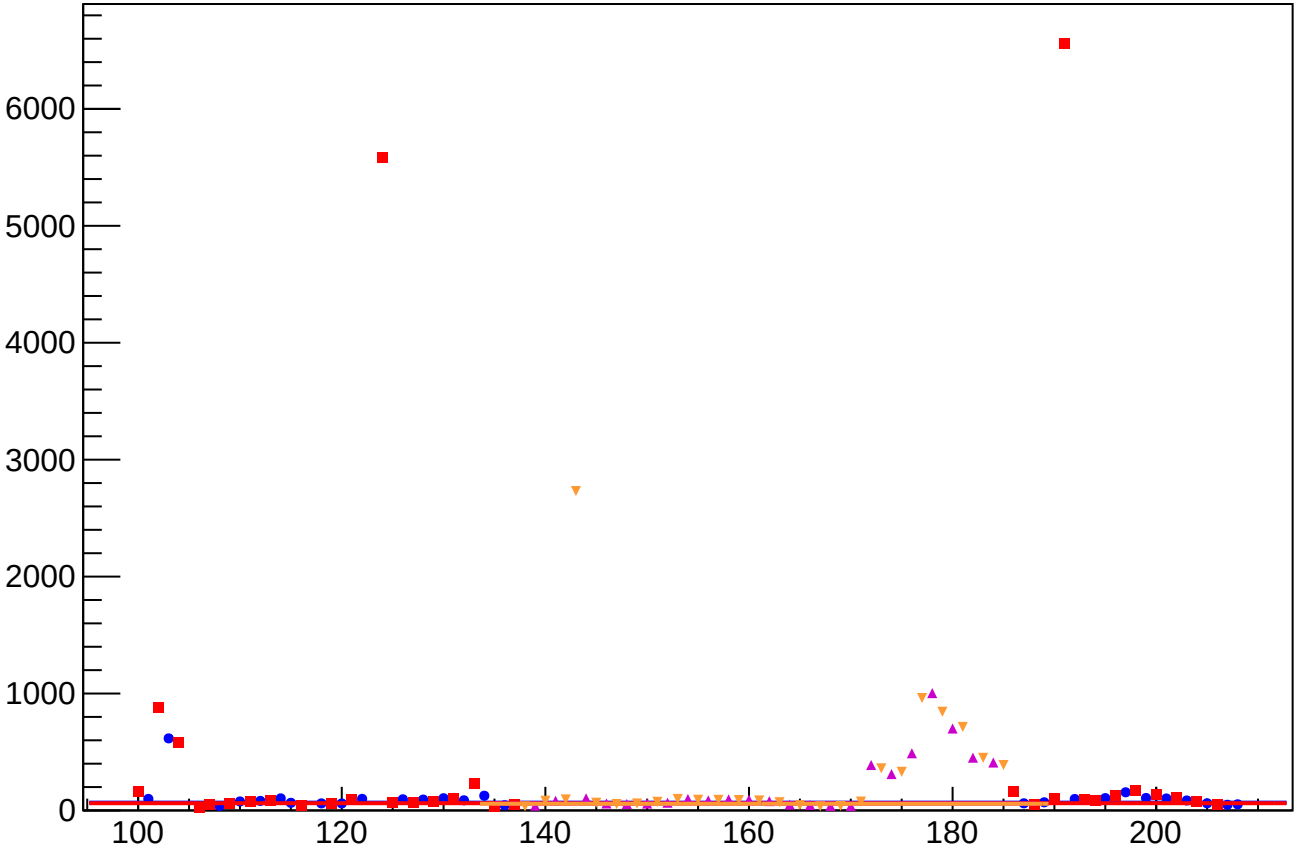
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.035+/-0.013 χ^2/NDF: 55.2/51

All: 0.014+/-0.009 χ^2/NDF: 106.2/105

- sign -0.007+/-0.013 χ^2/NDF: 45.4/53

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 66.790+/-0.013 χ^2/NDF: 4203655.3/26

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 61.915+/-0.013 χ^2/NDF: 7271773.5/30

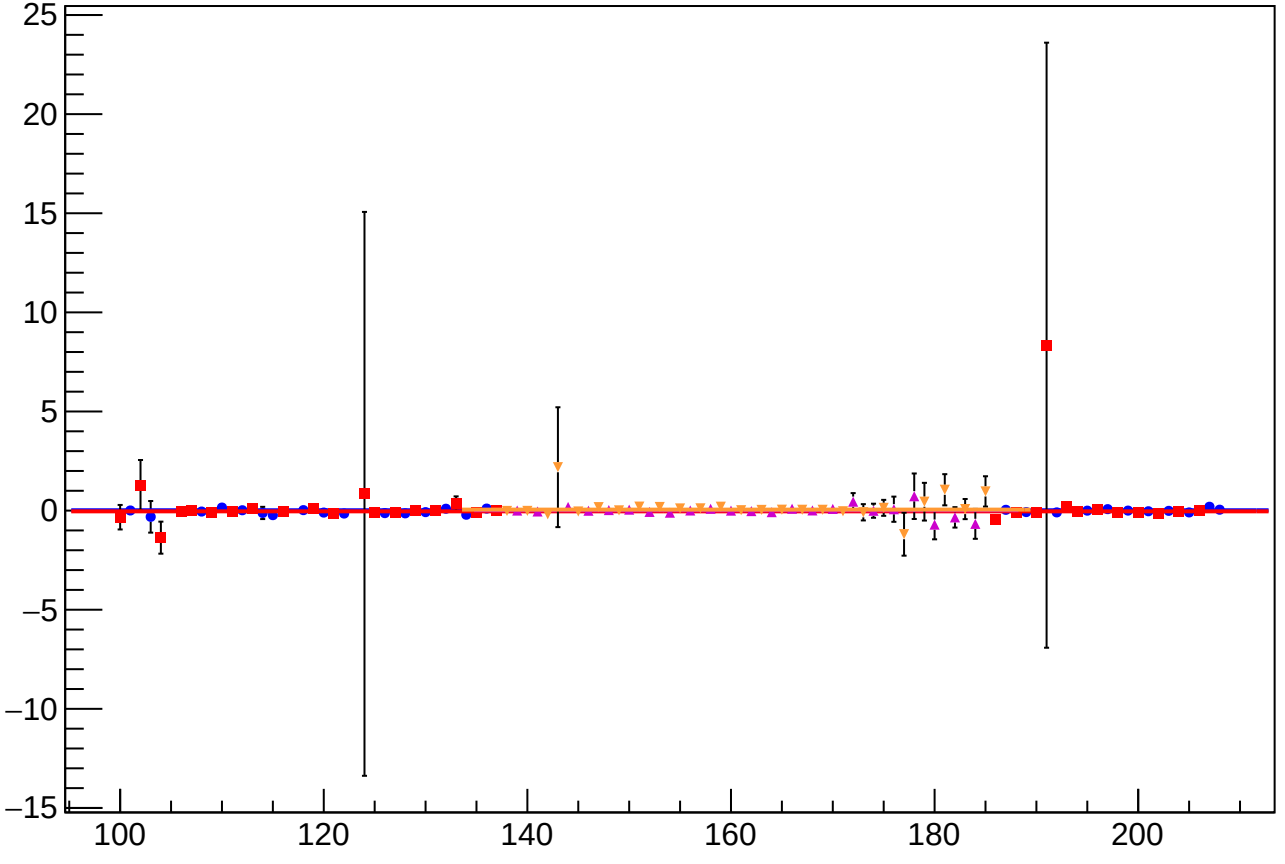
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 61.513+/-0.009 χ^2/NDF: 16805344.6/51

All: 60.807+/-0.006 χ^2/NDF: 34371875.2/105

- sign 60.108+/-0.009 χ^2/NDF: 17554161.2/53

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018+/-0.019 χ^2/NDF: 29.2/26

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.037+/-0.019 χ^2/NDF: 25.1/30

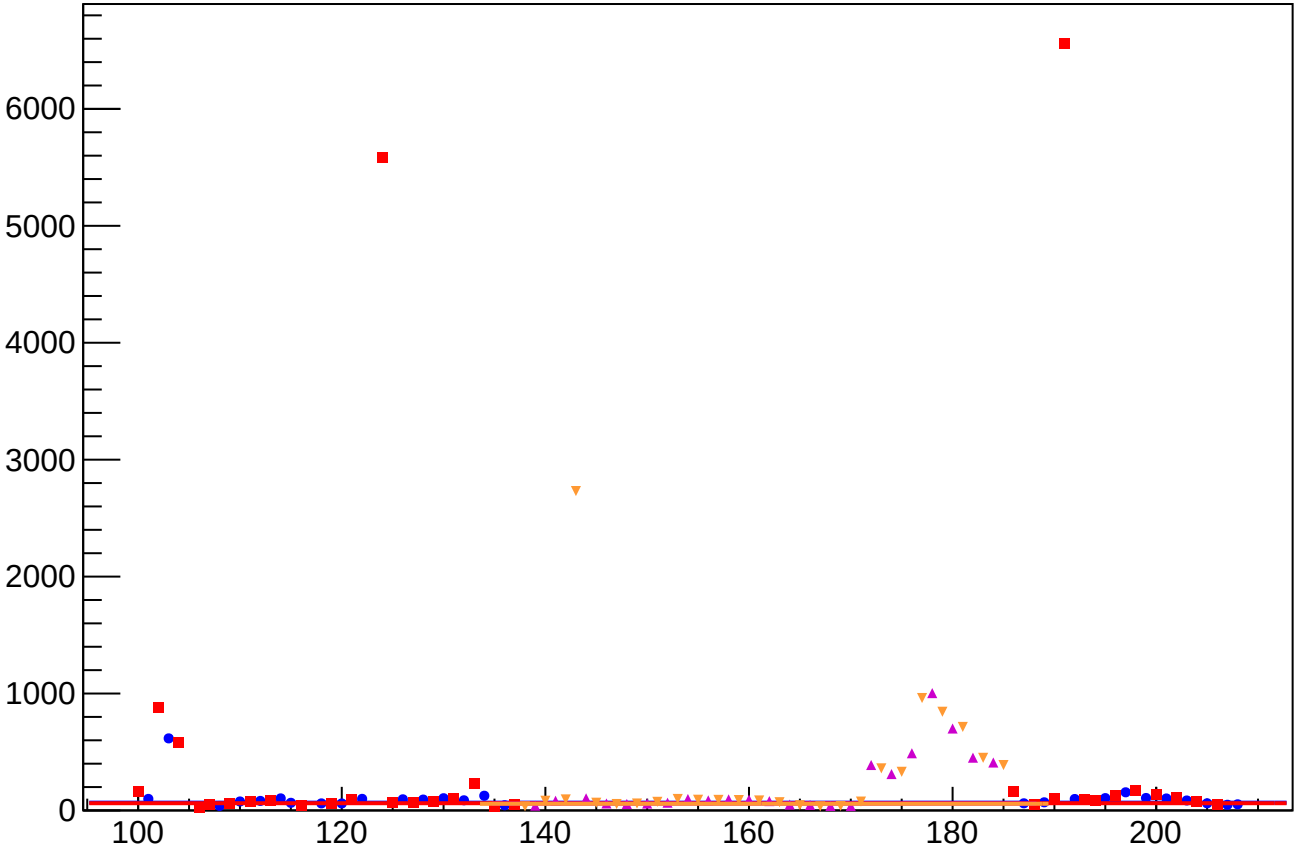
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.035+/-0.013 χ^2/NDF: 55.2/51

All: 0.014+/-0.009 χ^2/NDF: 106.2/105

- sign -0.007+/-0.013 χ^2/NDF: 45.4/53

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.790+/-0.013 χ^2/NDF: 4203655.3/26

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

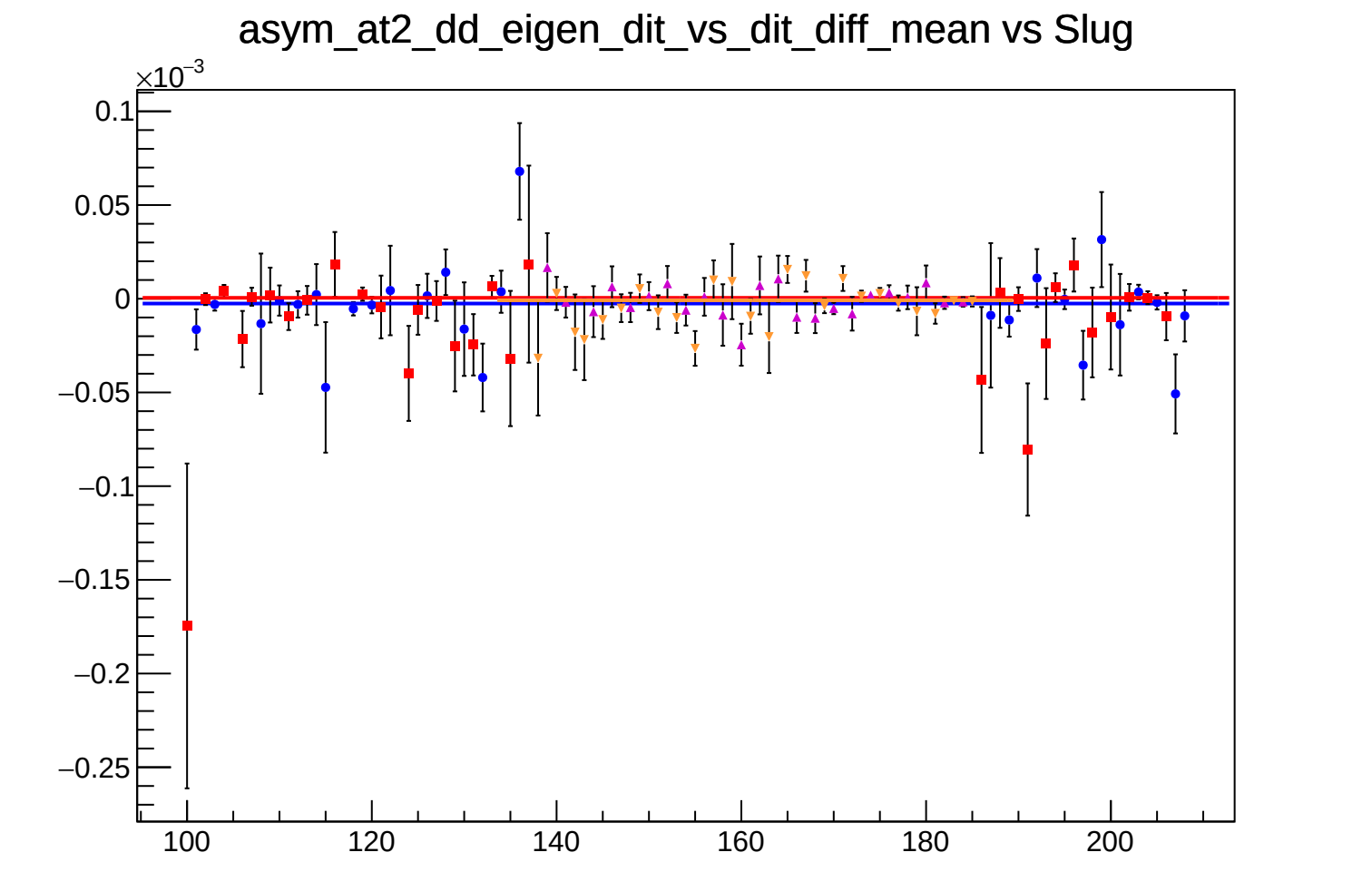
Right Out: 61.915+/-0.013 χ^2/NDF: 7271773.5/30

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 61.513+/-0.009 χ^2/NDF: 16805344.6/51

All: 60.807+/-0.006 χ^2/NDF: 34371875.2/105

- sign 60.108+/-0.009 χ^2/NDF: 17554161.2/53



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/30

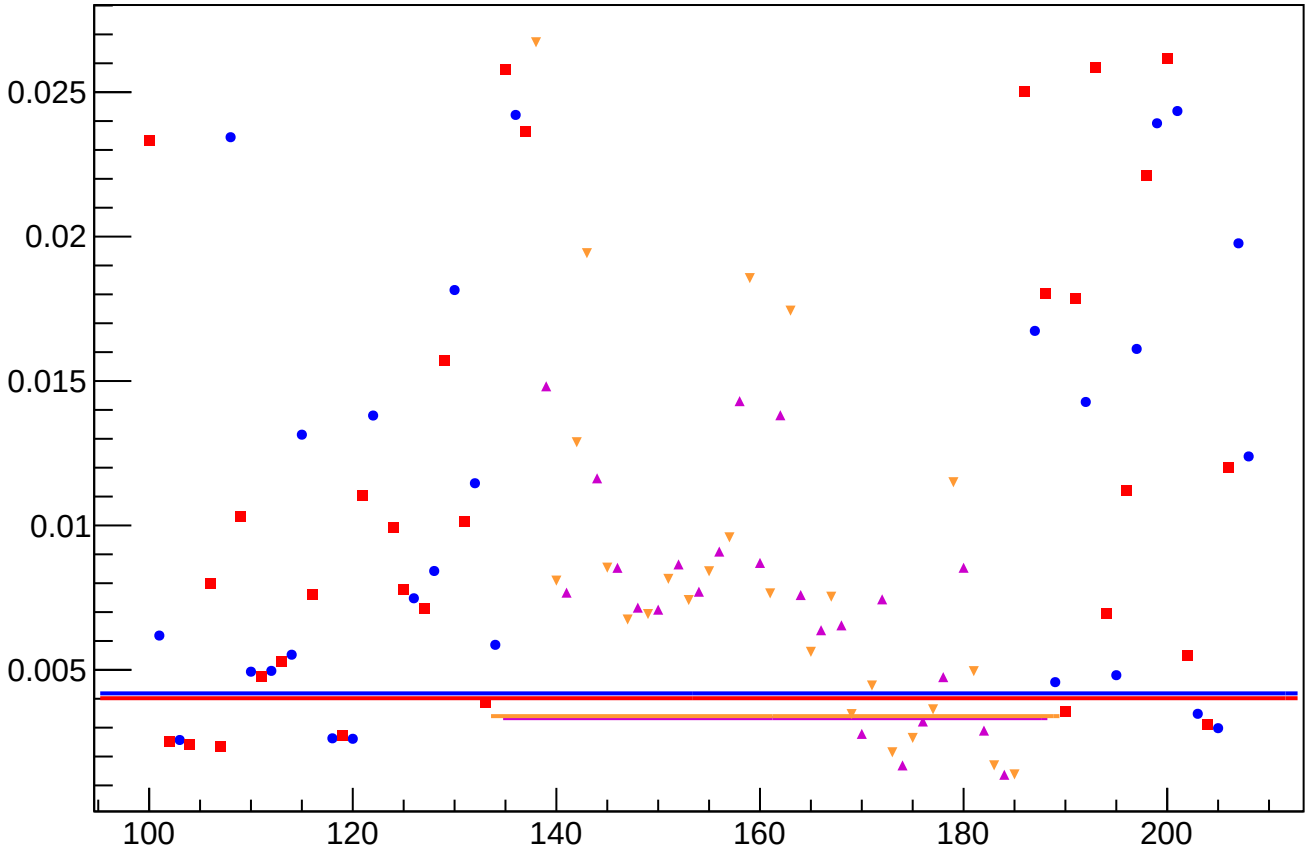
Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.0/51

All: -0.000+/-0.000 χ^2/NDF: 118.2/105

- sign -0.000+/-0.000 χ^2/NDF: 49.1/53

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 11156257.4/26

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 12103322.3/30

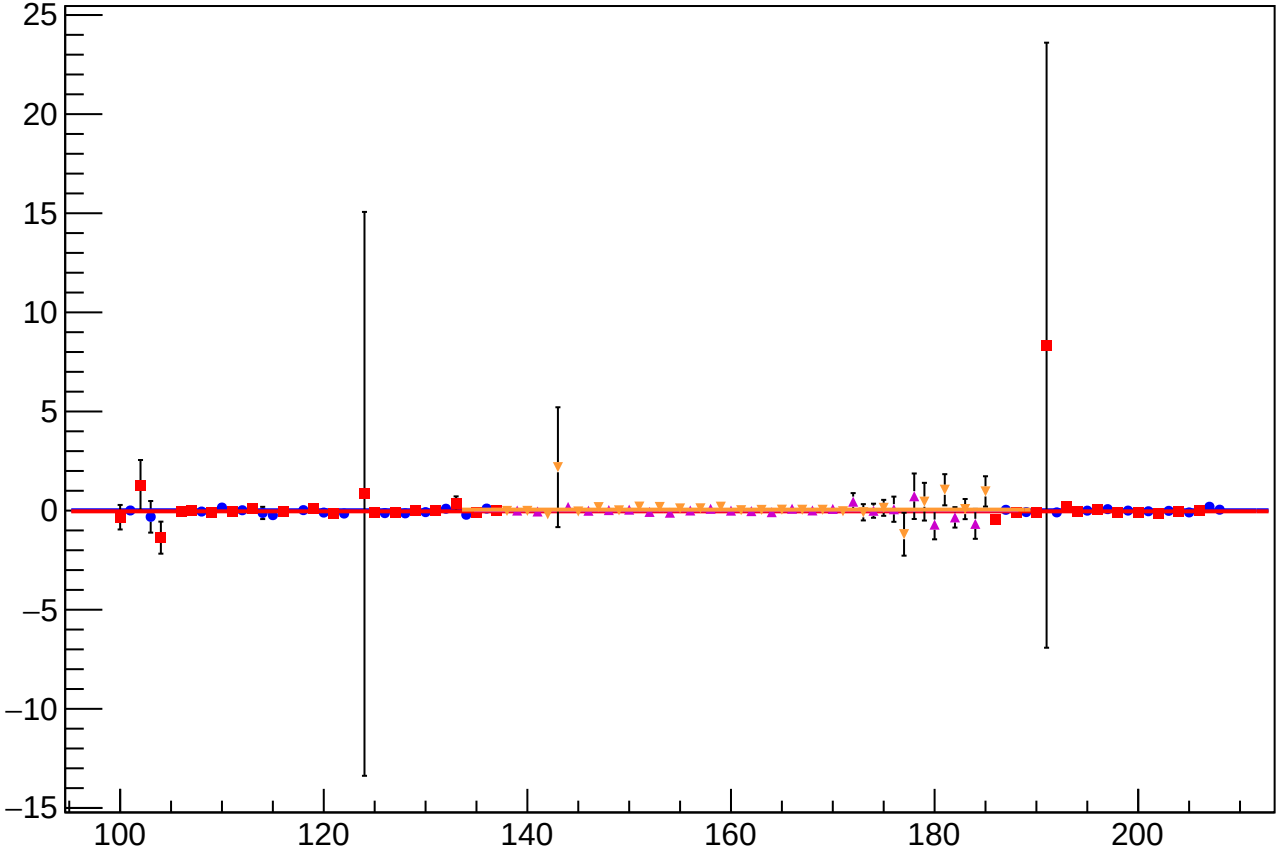
Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

+ sign 0.004+/-0.000 χ^2/NDF: 25814514.7/51

All: 0.004+/-0.000 χ^2/NDF: 50832669.2/105

- sign 0.004+/-0.000 χ^2/NDF: 25010299.0/53

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.019 χ^2/NDF: 29.2/26

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.037+/-0.019 χ^2/NDF: 25.1/30

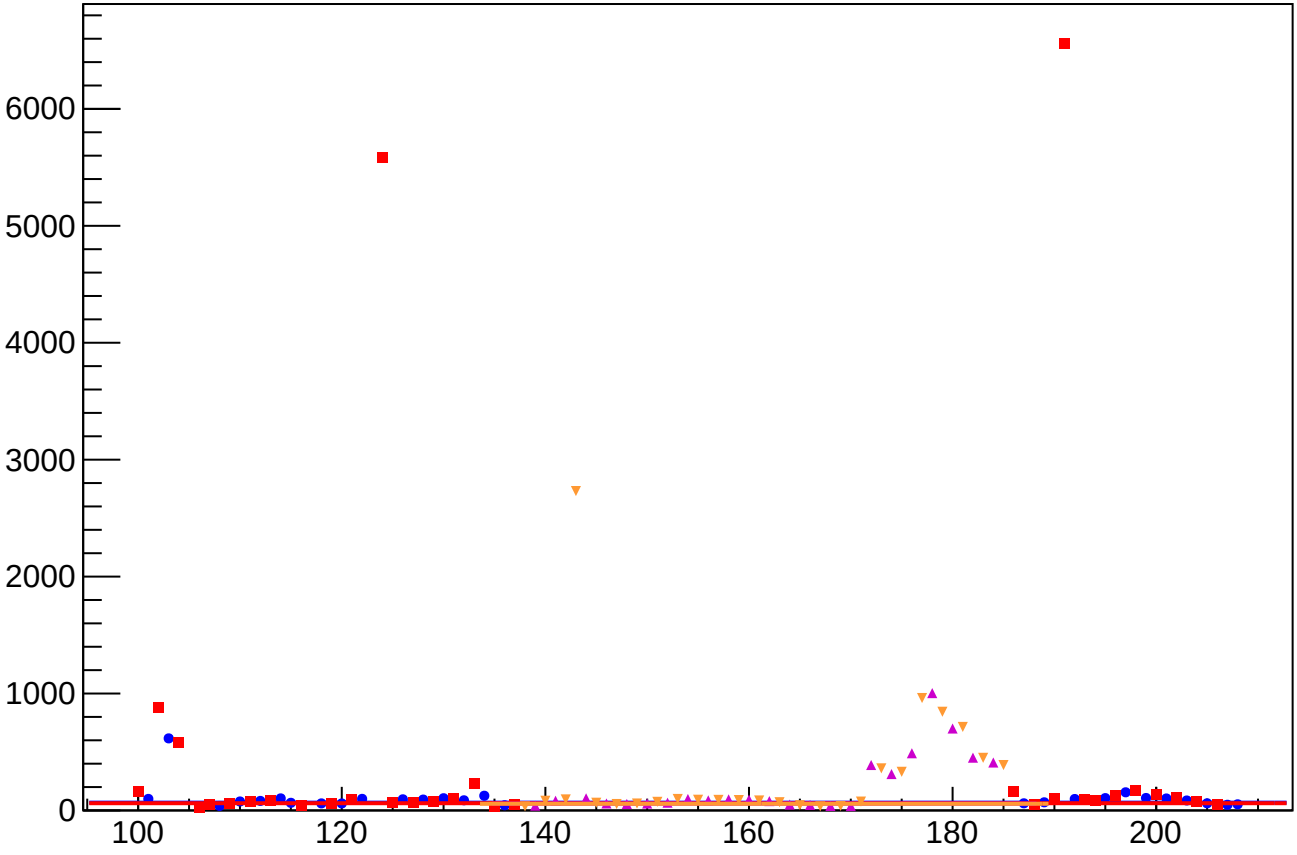
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.035+/-0.013 χ^2/NDF: 55.2/51

All: 0.014+/-0.009 χ^2/NDF: 106.2/105

- sign -0.007+/-0.013 χ^2/NDF: 45.4/53

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 66.793+/-0.013 χ^2/NDF: 4202686.0/26

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

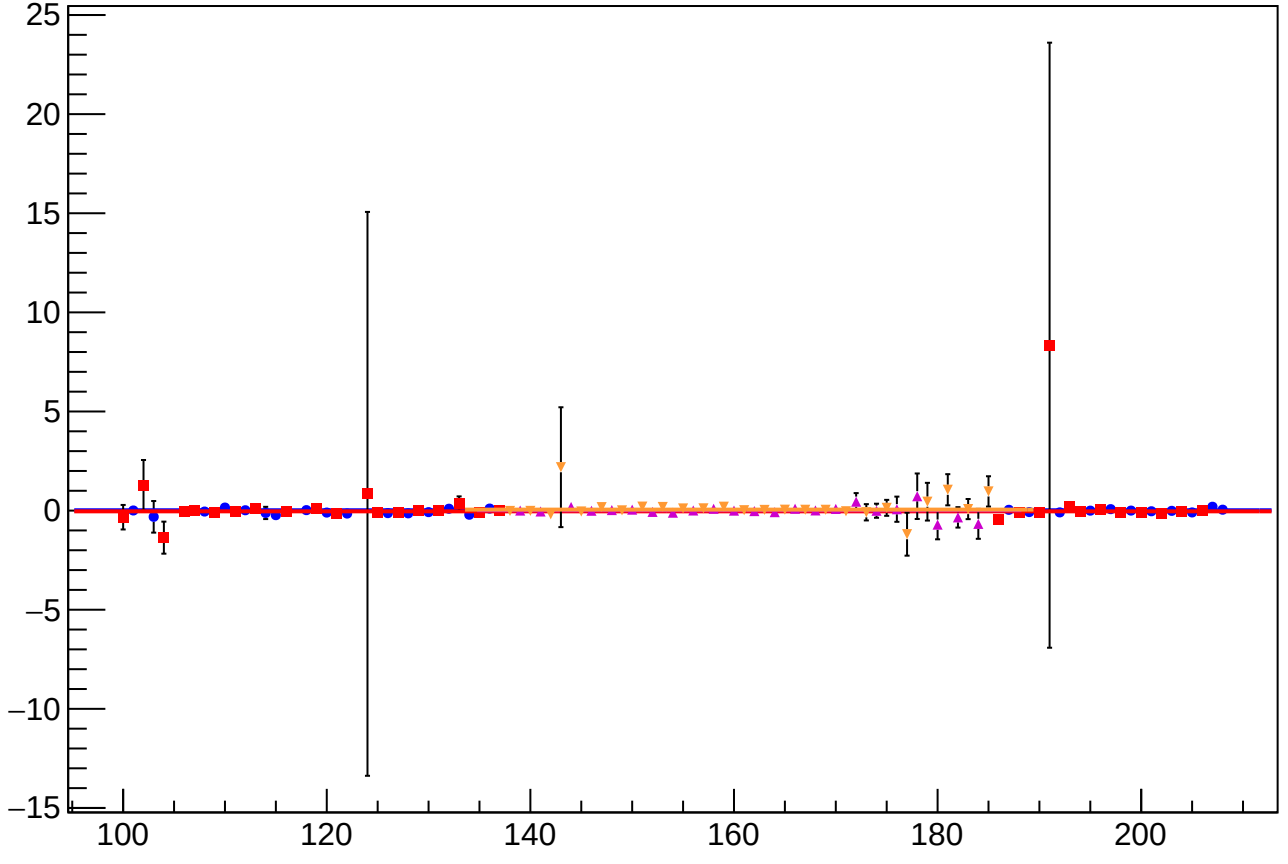
Right Out: 61.911+/-0.013 χ^2/NDF: 7272718.8/30

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 61.514+/-0.009 χ^2/NDF: 16804389.0/51

All: 60.807+/-0.006 χ^2/NDF: 34371250.2/105

- sign 60.107+/-0.009 χ^2/NDF: 17554472.6/53



Right In: 0.018+/-0.019 χ^2/NDF: 29.2/26

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

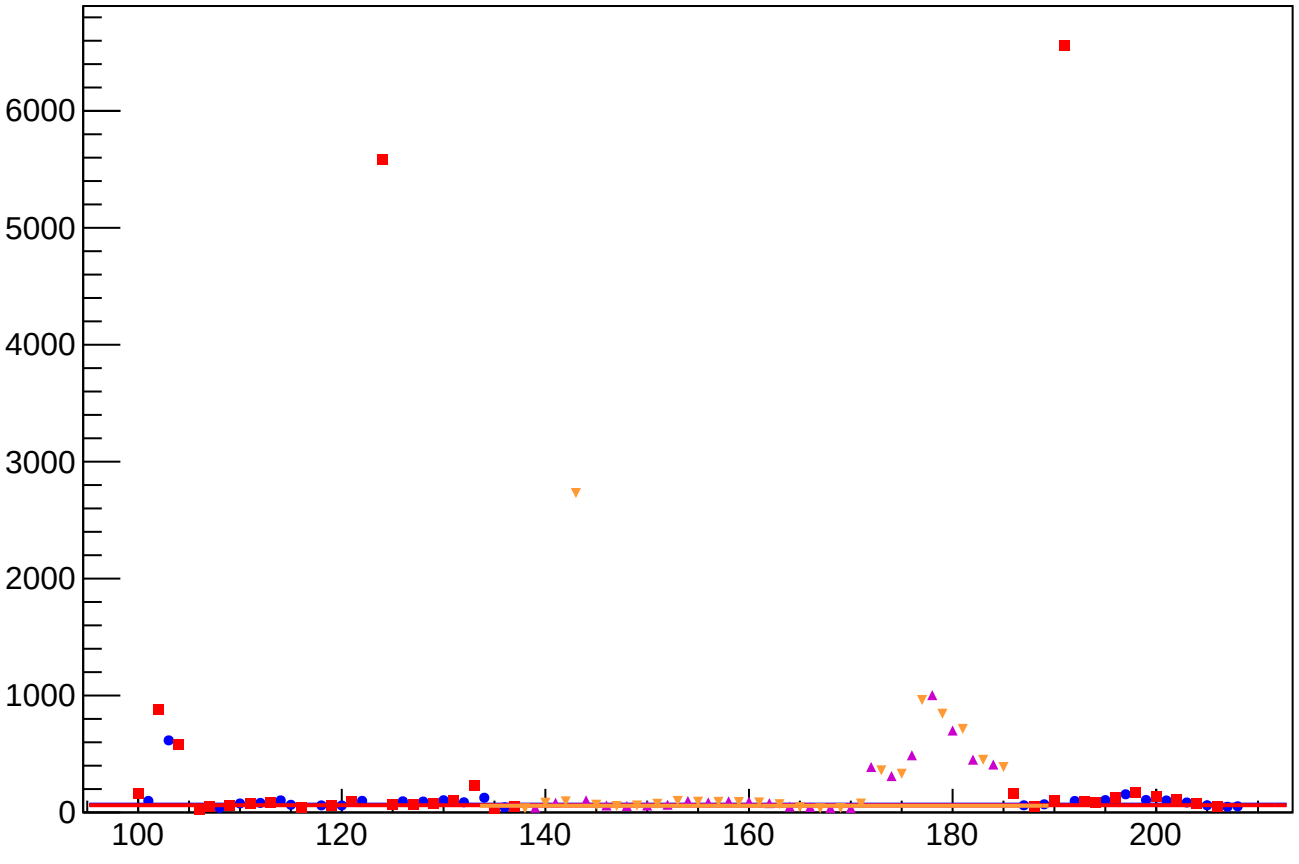
Right Out: -0.037+/-0.019 χ^2/NDF: 25.1/30

Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.035+/-0.013 χ^2/NDF: 55.2/51

All: 0.014+/-0.009 χ^2/NDF: 106.2/105

- sign -0.007+/-0.013 χ^2/NDF: 45.4/53



Right In: 66.793+/-0.013 χ^2/NDF: 4202686.0/26

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 61.911+/-0.013 χ^2/NDF: 7272718.8/30

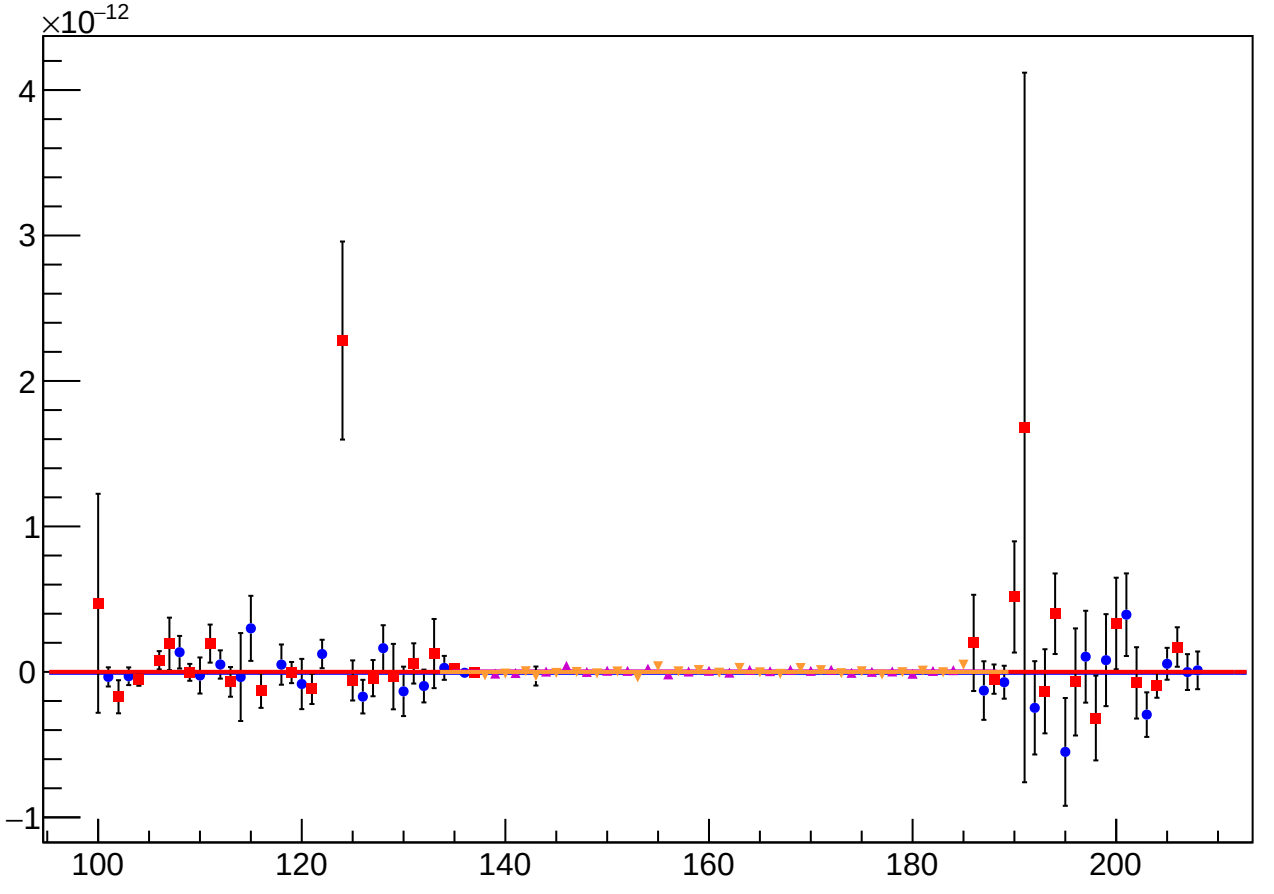
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 61.514+/-0.009 χ^2/NDF: 16804389.0/51

All: 60.807+/-0.006 χ^2/NDF: 34371250.2/105

- sign 60.107+/-0.009 χ^2/NDF: 17554472.6/53

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

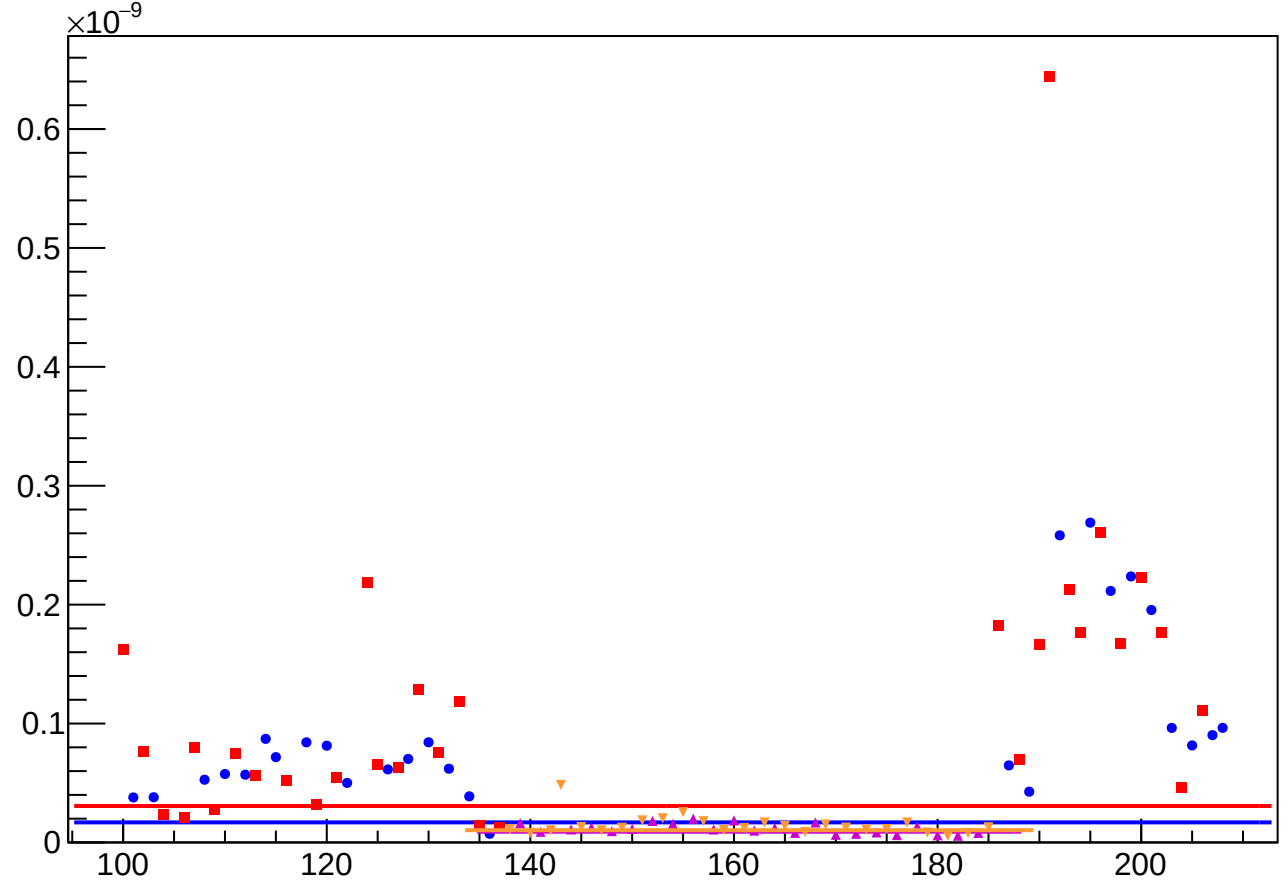
Right Out: 0.000+/-0.000 χ^2/NDF: 35.4/30

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/51

All: 0.000+/-0.000 χ^2/NDF: 91.2/105

- sign 0.000+/-0.000 χ^2/NDF: 50.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 12586563.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9748024.2/30

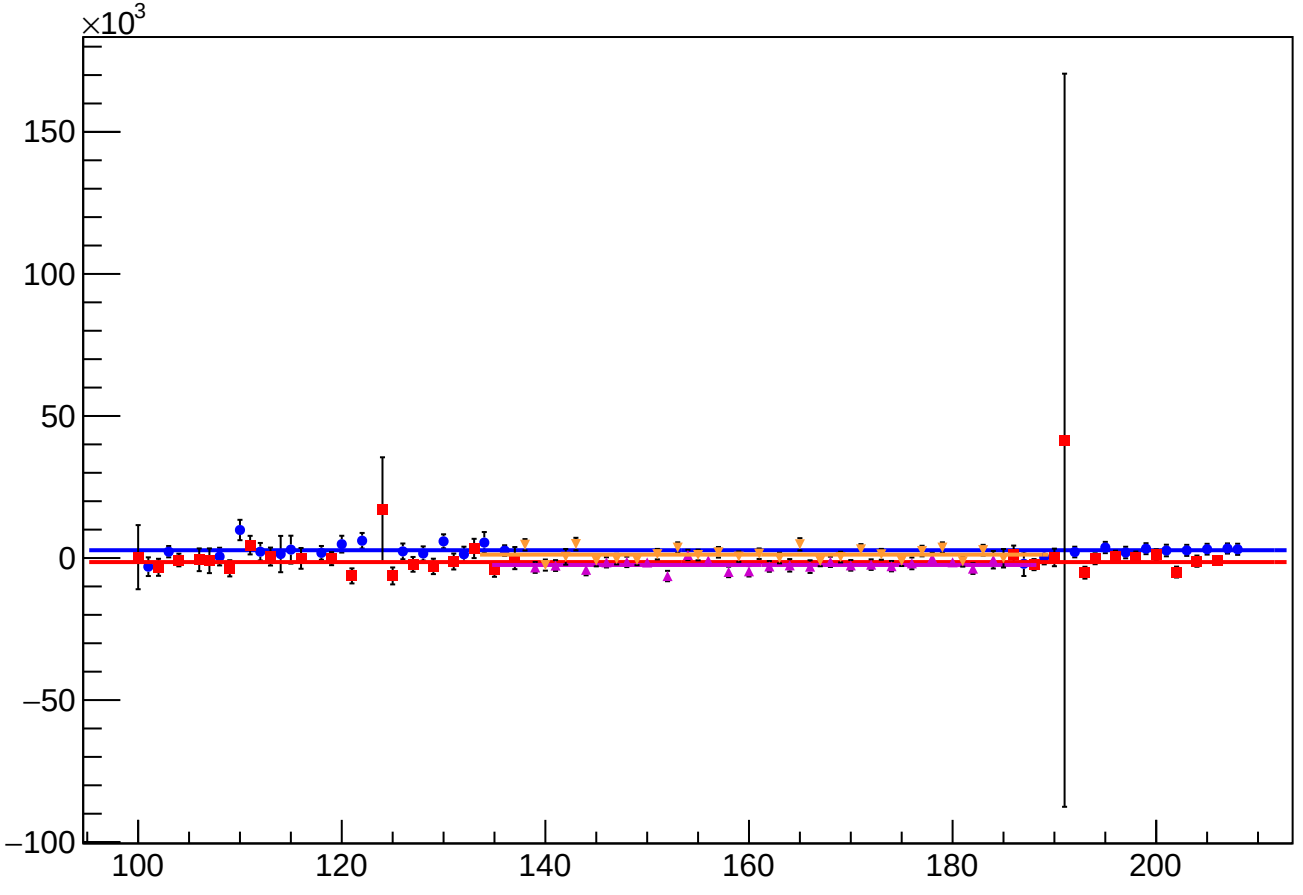
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 17011716.6/51

All: 0.000+/-0.000 χ^2/NDF: 34252949.4/105

- sign 0.000+/-0.000 χ^2/NDF: 17112581.5/53

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2748.567+/-461.525 χ^2/NDF: 15.6/26

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1423.780+/-465.741 χ^2/NDF: 27.8/30

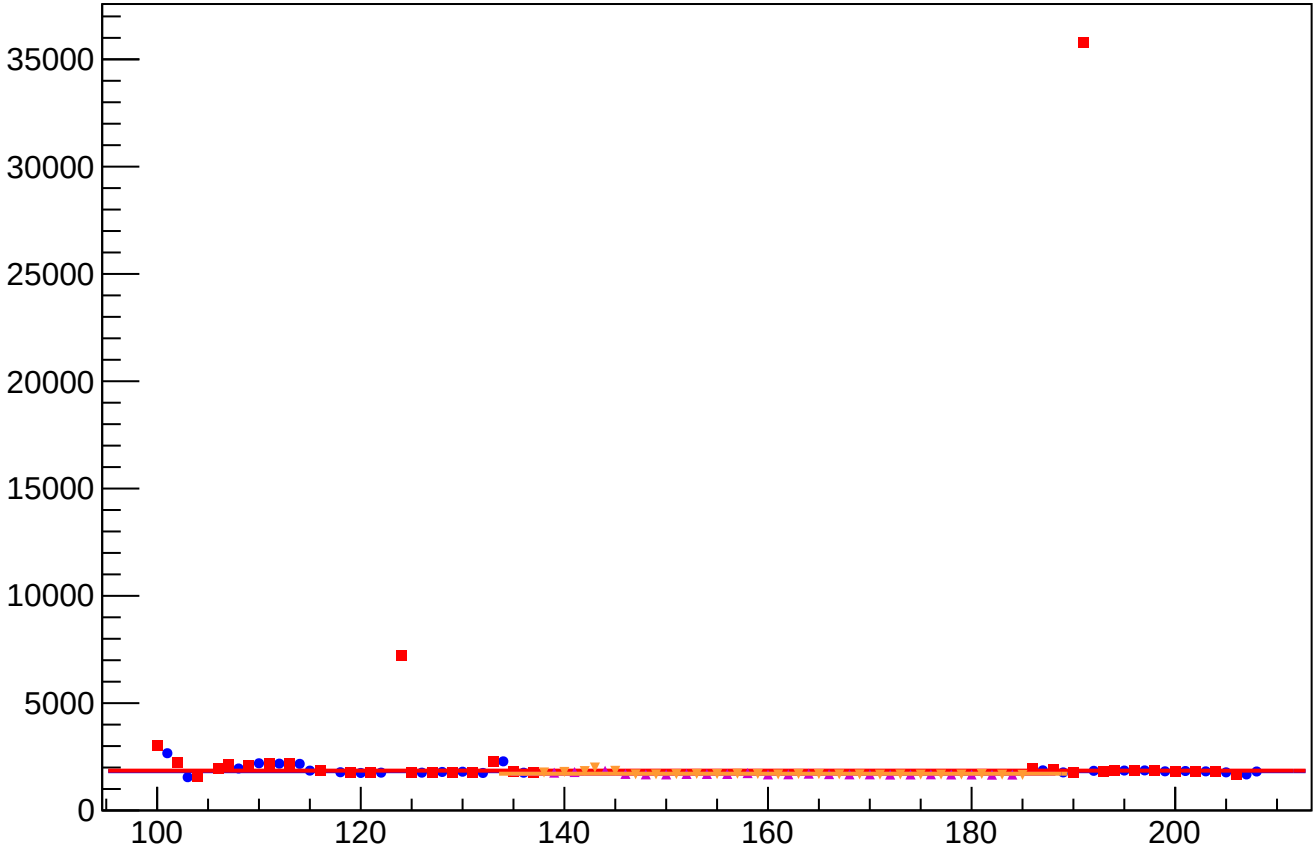
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1844.857+/-297.501 χ^2/NDF: 48.4/51

All: -50.371+/-212.130 χ^2/NDF: 179.0/105

- sign -2010.568+/-302.557 χ^2/NDF: 48.0/53

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1829.130+/-0.326 χ^2/NDF: 284407.9/26

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1855.293+/-0.329 χ^2/NDF: 542736.0/30

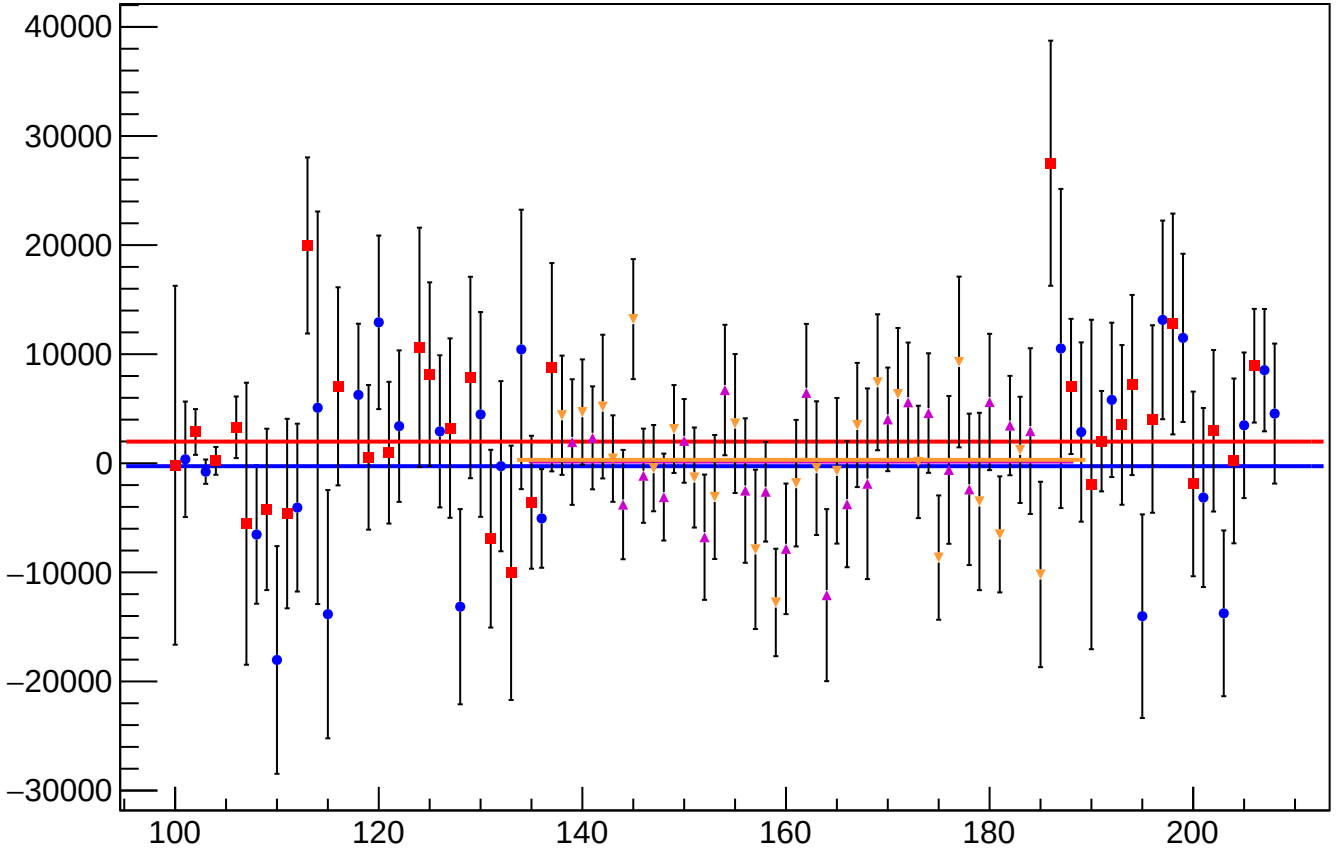
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1760.539+/-0.210 χ^2/NDF: 420055.6/51

All: 1764.161+/-0.150 χ^2/NDF: 1108138.6/10

- sign 1767.905+/-0.214 χ^2/NDF: 687480.1/53

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -268.068+/-887.691 χ^2/NDF: 28.9/26

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1986.902+/-838.969 χ^2/NDF: 24.1/30

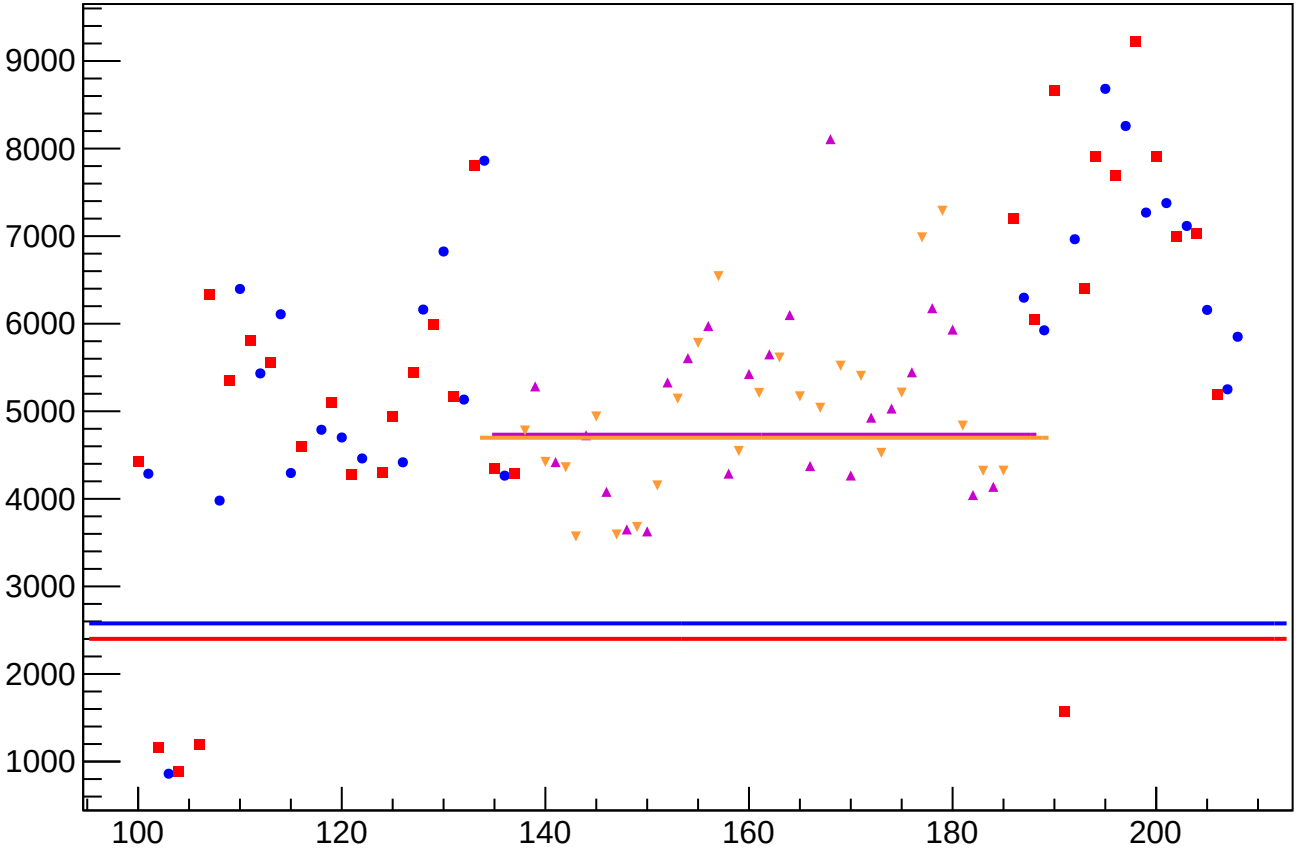
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

\+ sign -36.445+/-688.807 χ^2/NDF: 56.1/51

All: 665.337+/-481.476 χ^2/NDF: 98.6/105

\- sign 1335.832+/-673.278 χ^2/NDF: 40.5/53

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2577.523+/-0.628 χ^2/NDF: 14493928.6/26

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2401.136+/-0.593 χ^2/NDF: 14960774.7/30

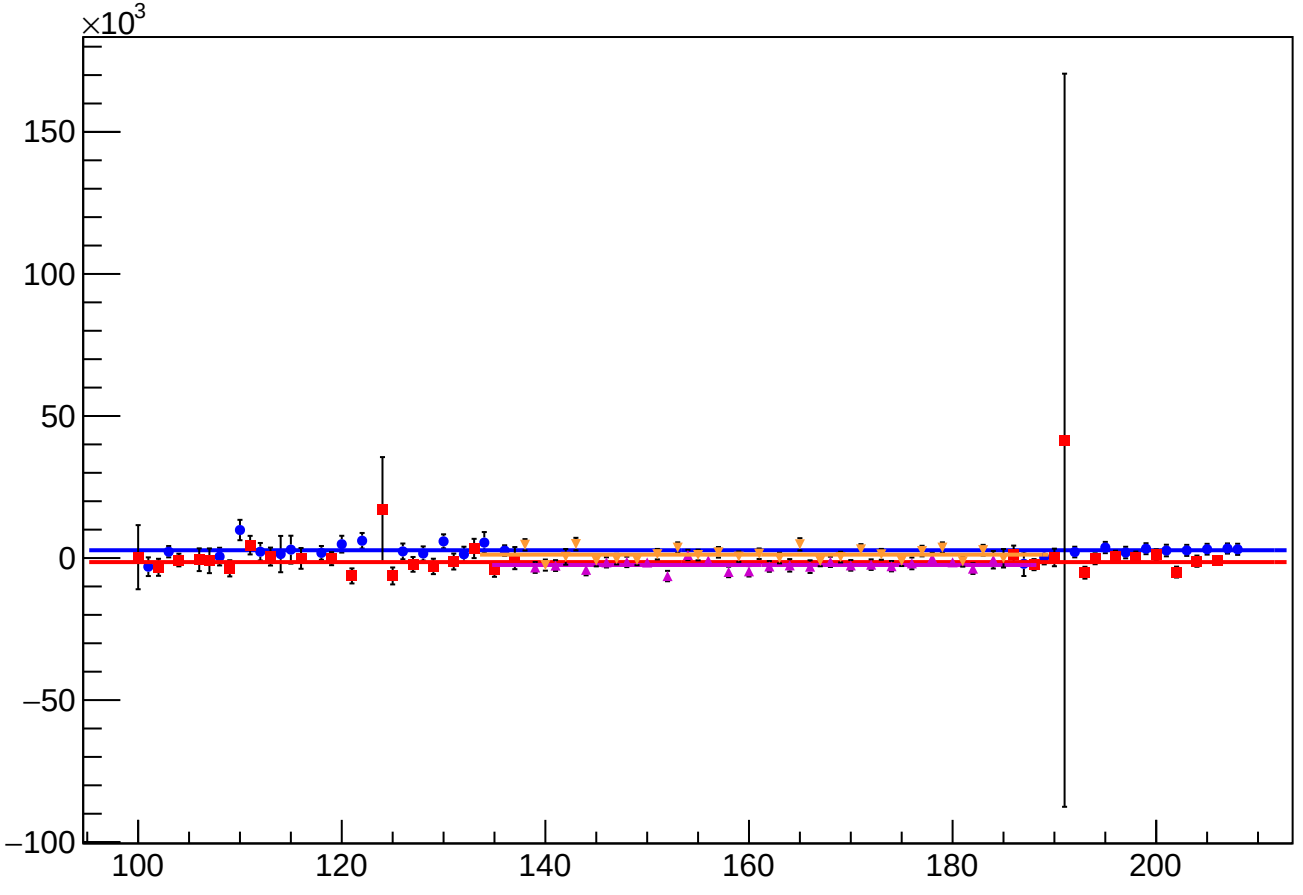
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3421.102+/-0.487 χ^2/NDF: 20272590.2/51

All: 3323.902+/-0.340 χ^2/NDF: 42051461.5/1

- sign 3231.036+/-0.476 χ^2/NDF: 21700995.3/53

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2748.725+/-461.525 χ^2/NDF: 15.6/26

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1423.221+/-465.741 χ^2/NDF: 27.8/30

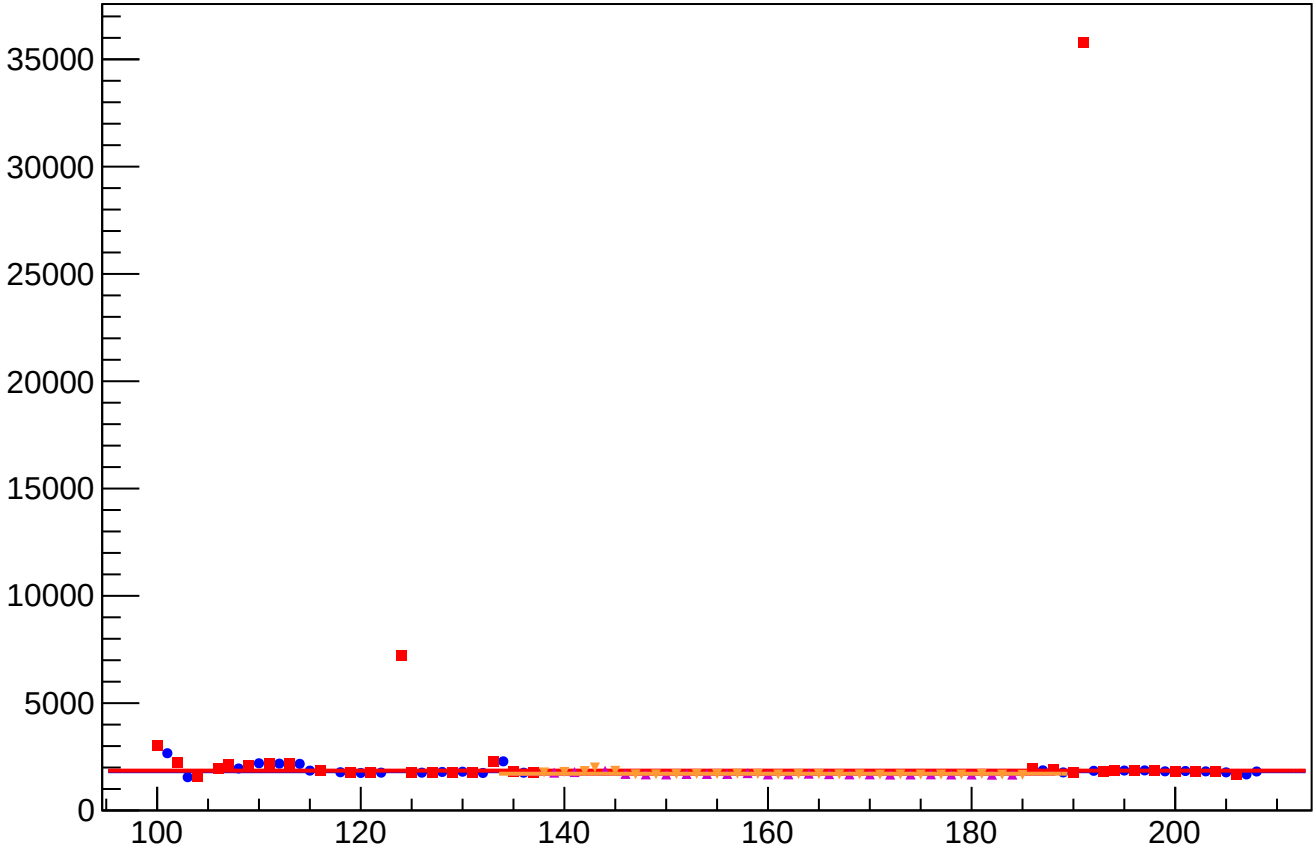
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1844.866+/-297.501 χ^2/NDF: 48.5/51

All: -50.231+/-212.130 χ^2/NDF: 179.0/105

- sign -2010.292+/-302.558 χ^2/NDF: 48.0/53

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1829.130+/-0.326 χ^2/NDF: 284407.8/26

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1855.486+/-0.329 χ^2/NDF: 543109.0/30

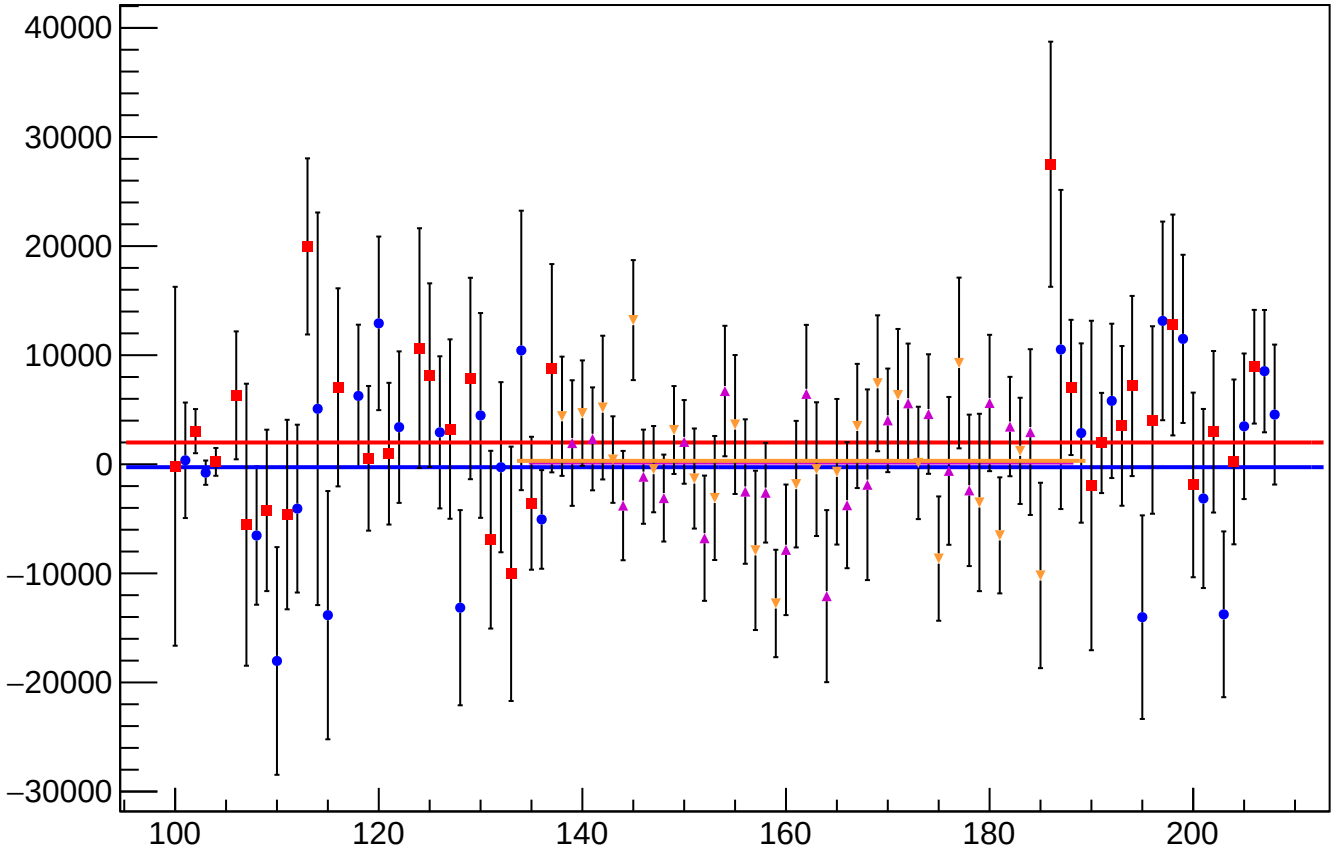
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1760.539+/-0.210 χ^2/NDF: 420055.5/51

All: 1764.197+/-0.150 χ^2/NDF: 1108820.4/10

- sign 1767.979+/-0.214 χ^2/NDF: 688149.8/53

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -267.687+/-887.650 χ^2/NDF: 28.9/26

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1996.393+/-863.455 χ^2/NDF: 24.5/30

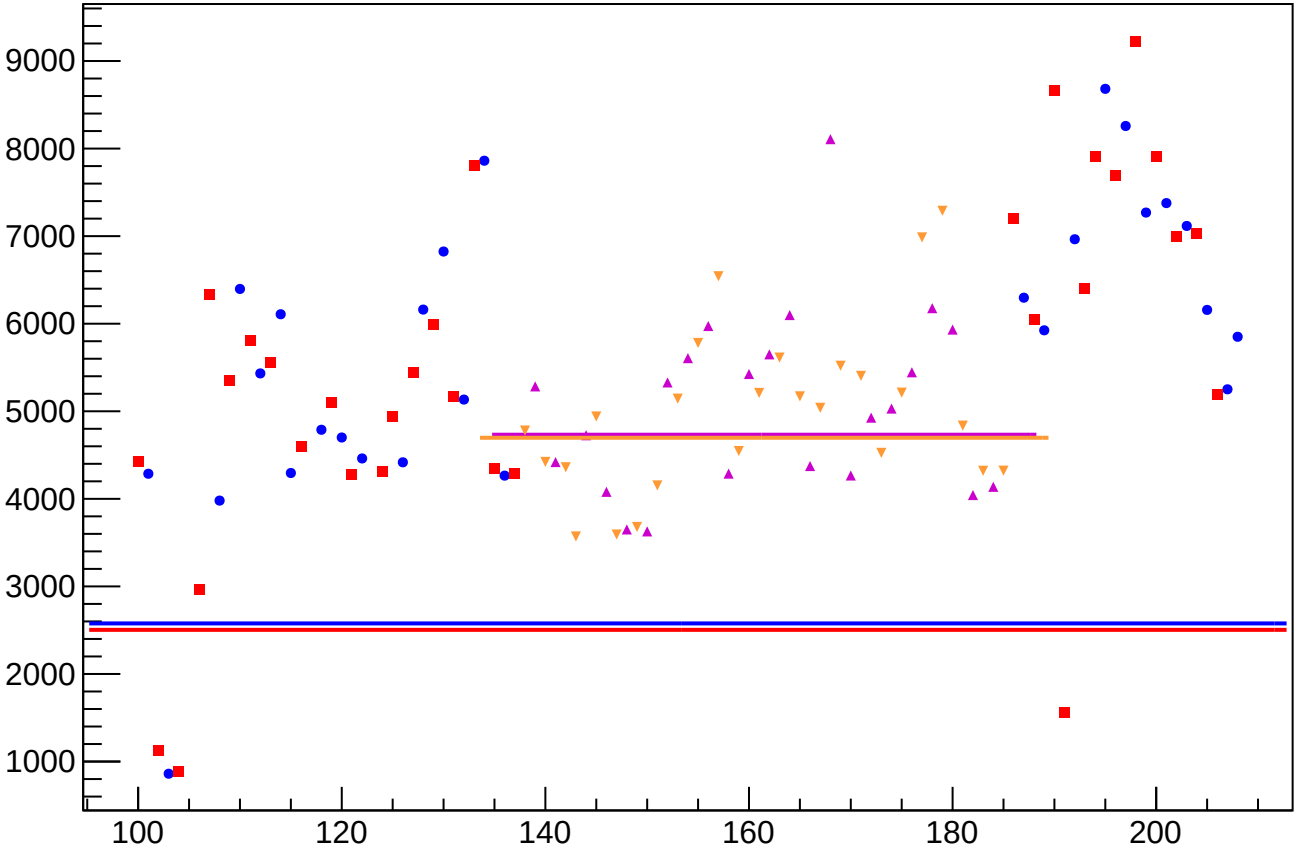
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -36.216+/-688.788 χ^2/NDF: 56.1/51

All: 643.646+/-485.964 χ^2/NDF: 99.0/105

- sign 1317.501+/-685.738 χ^2/NDF: 40.9/53

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2577.326+/-0.628 χ^2/NDF: 14494939.1/26

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2503.814+/-0.611 χ^2/NDF: 14683715.9/30

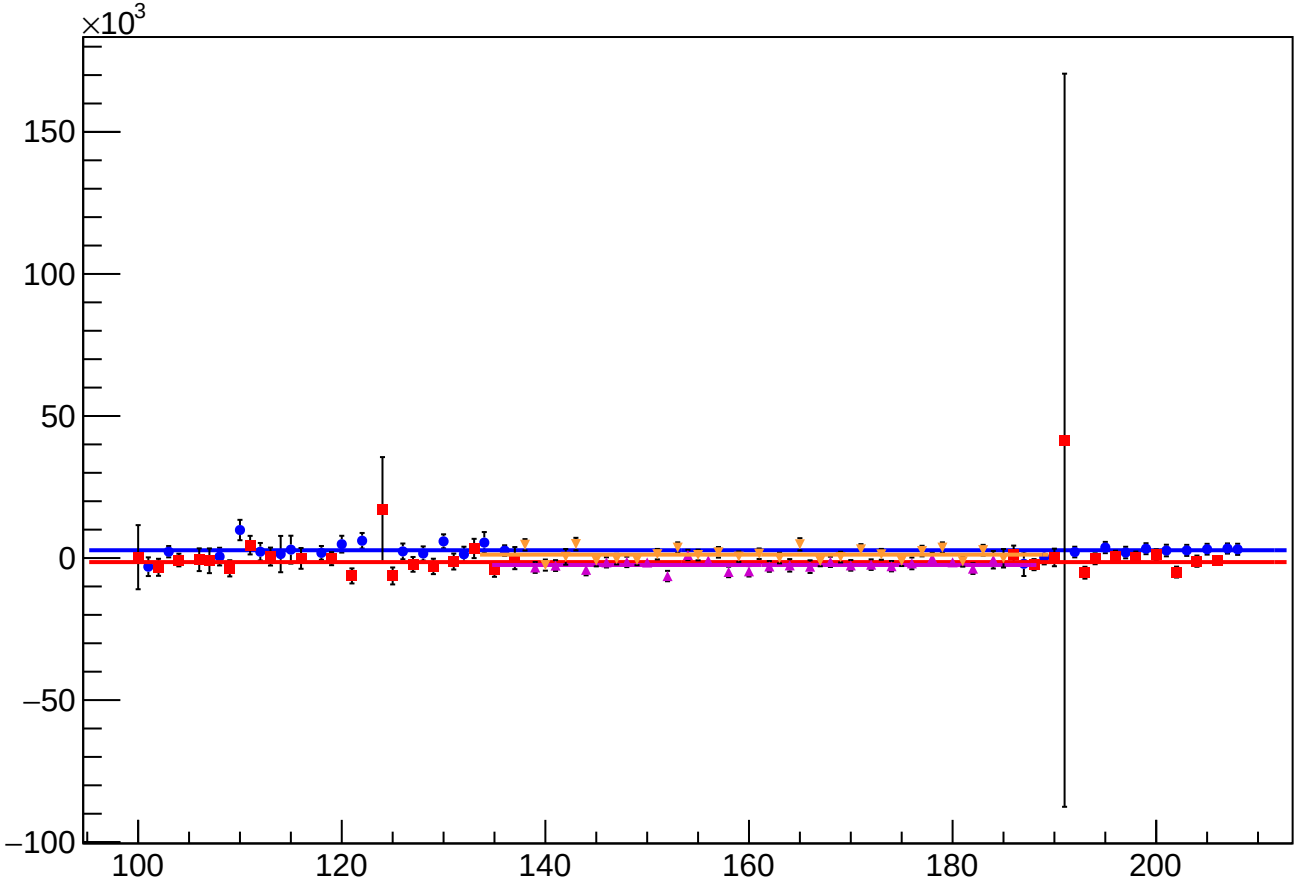
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3420.934+/-0.487 χ^2/NDF: 20274616.6/51

All: 3373.656+/-0.344 χ^2/NDF: 41140002.5/1

- sign 3326.796+/-0.485 χ^2/NDF: 20846623.6/53

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2748.725+/-461.525 χ^2/NDF: 15.6/26

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1423.221+/-465.741 χ^2/NDF: 27.8/30

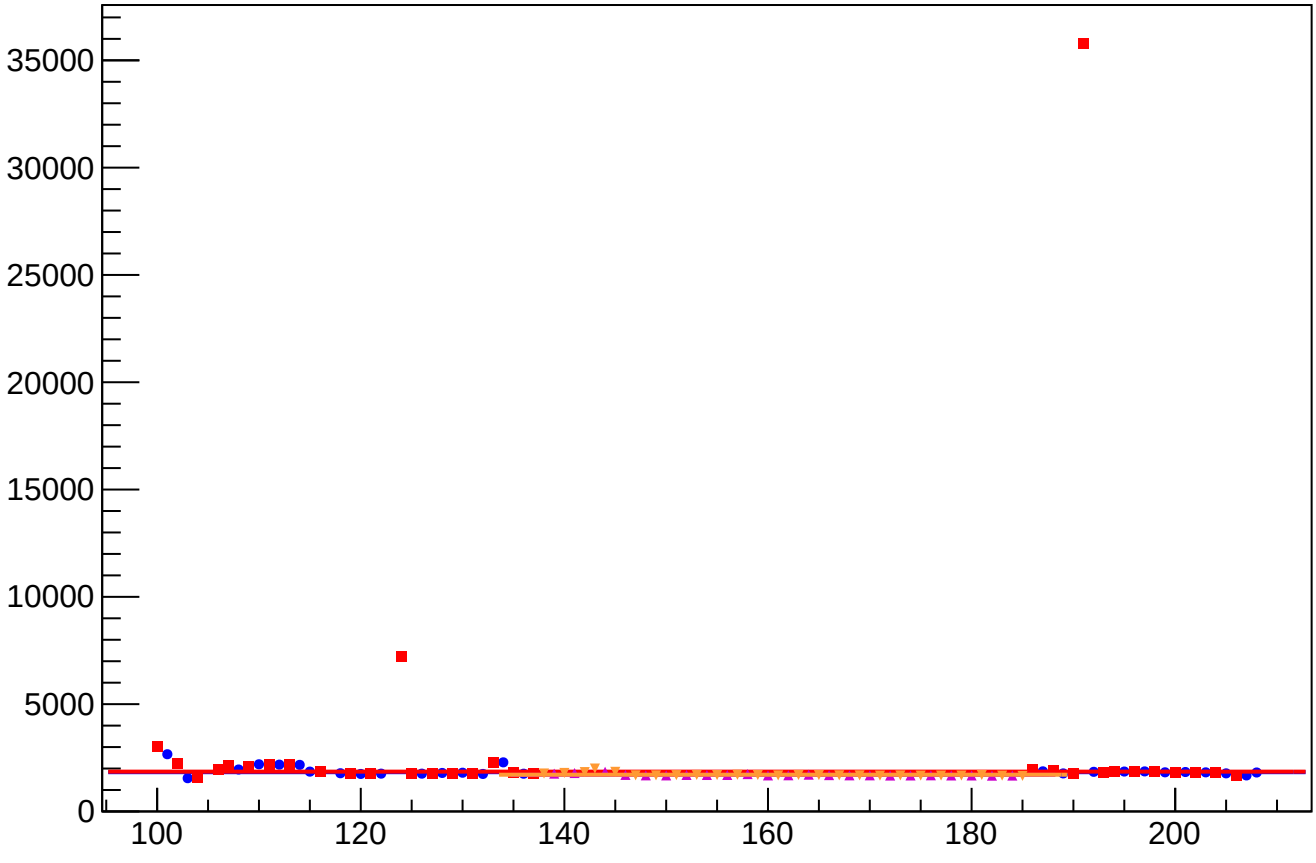
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1844.866+/-297.501 χ^2/NDF: 48.5/51

All: -50.231+/-212.130 χ^2/NDF: 179.0/105

- sign -2010.292+/-302.558 χ^2/NDF: 48.0/53

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1829.130+/-0.326 χ^2/NDF: 284407.8/26

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1855.486+/-0.329 χ^2/NDF: 543109.0/30

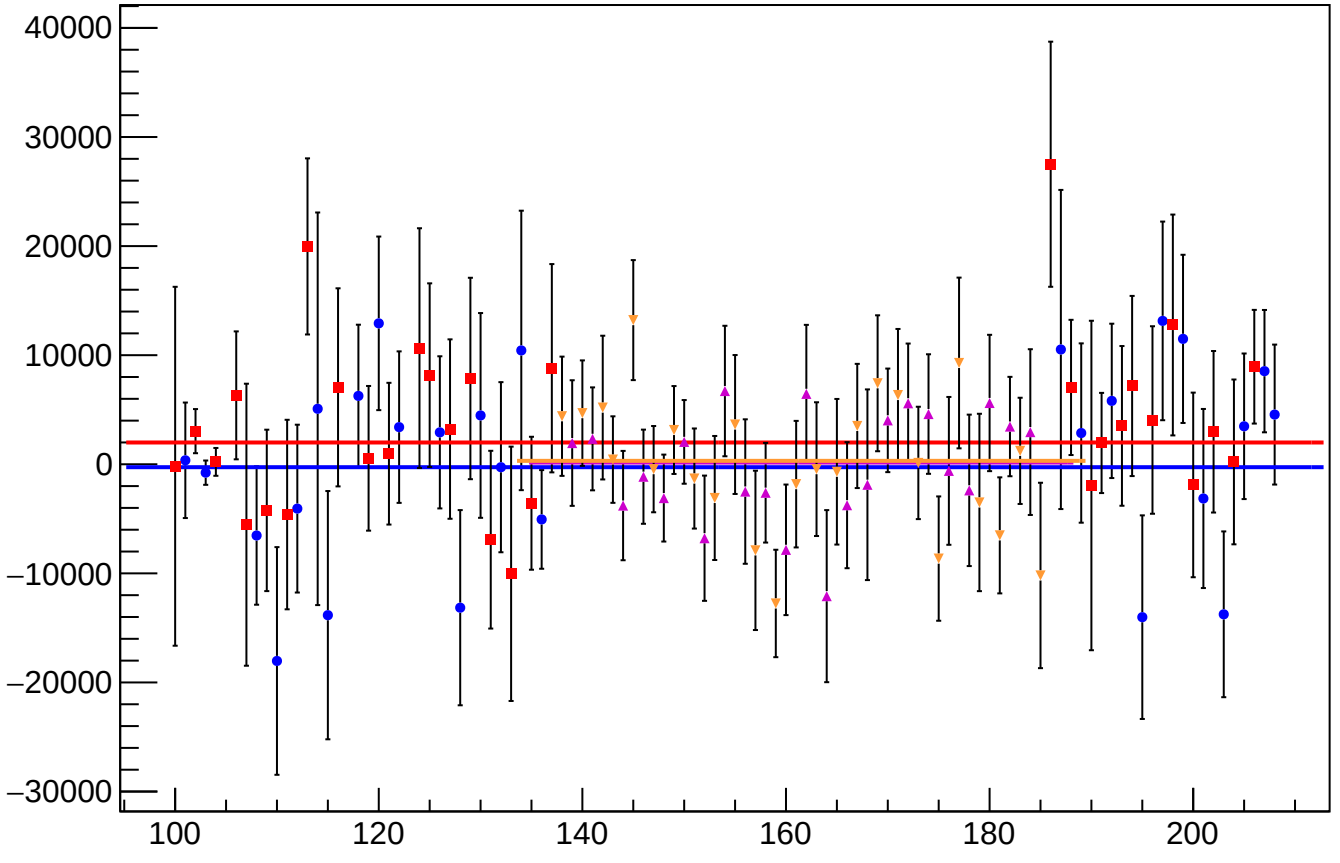
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1760.539+/-0.210 χ^2/NDF: 420055.5/51

All: 1764.197+/-0.150 χ^2/NDF: 1108820.4/10

- sign 1767.979+/-0.214 χ^2/NDF: 688149.8/53

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -267.687+/-887.650 χ^2/NDF: 28.9/26

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1996.393+/-863.455 χ^2/NDF: 24.5/30

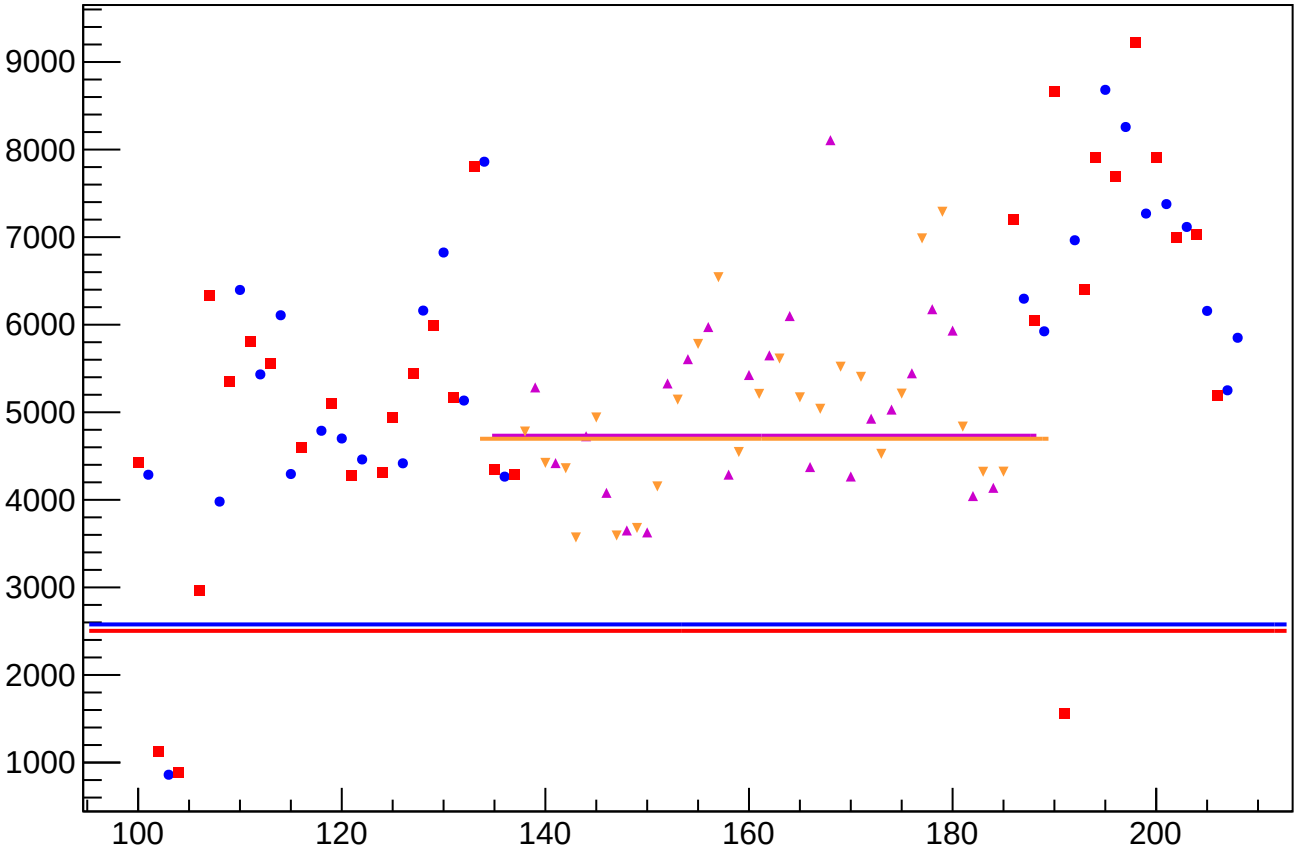
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -36.216+/-688.788 χ^2/NDF: 56.1/51

All: 643.646+/-485.964 χ^2/NDF: 99.0/105

- sign 1317.501+/-685.738 χ^2/NDF: 40.9/53

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 2577.326+/-0.628 χ^2/NDF: 14494939.1/26

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

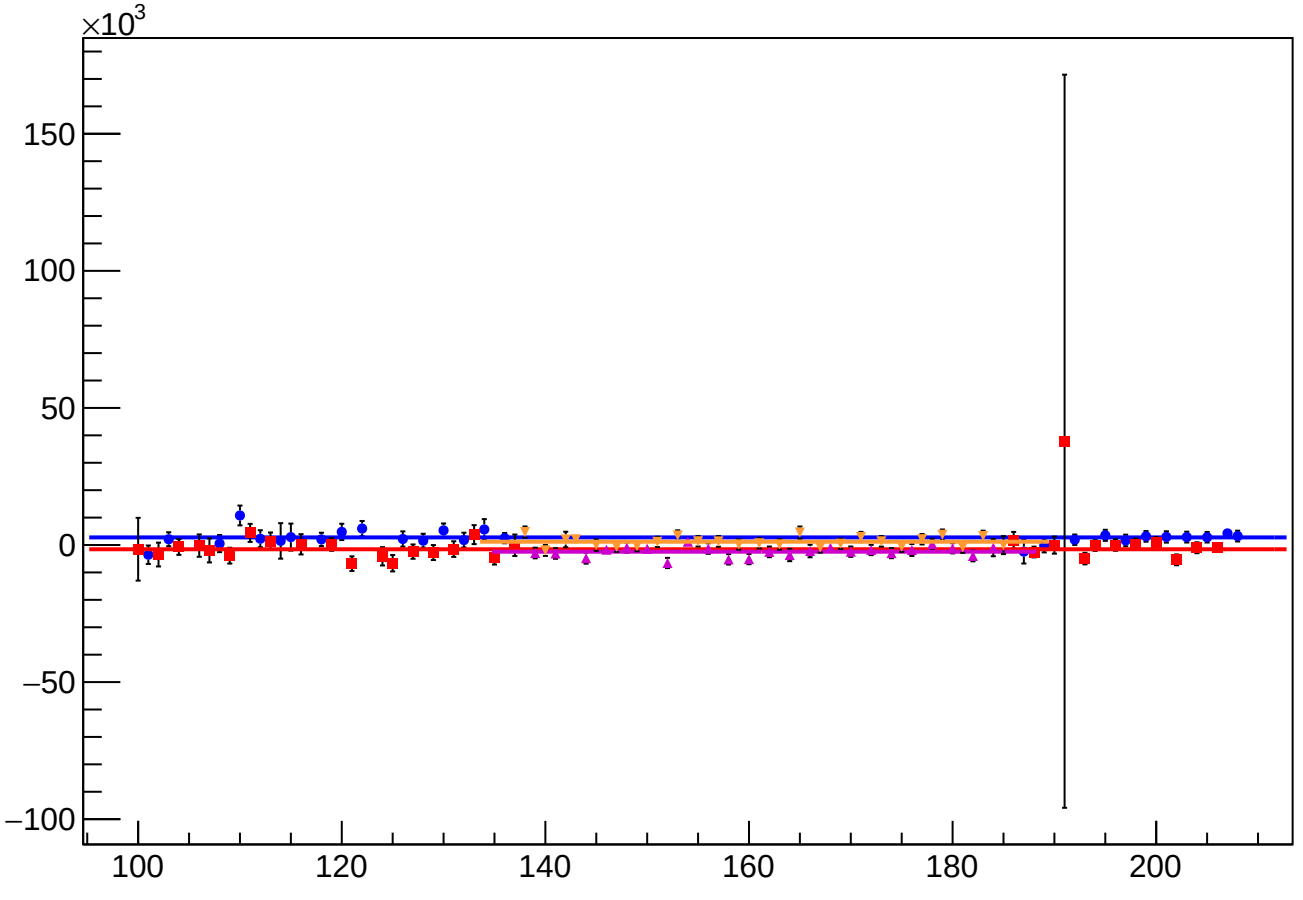
Right Out: 2503.814+/-0.611 χ^2/NDF: 14683715.9/30

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3420.934+/-0.487 χ^2/NDF: 20274616.6/51

All: 3373.656+/-0.344 χ^2/NDF: 41140002.5/1

- sign 3326.796+/-0.485 χ^2/NDF: 20846623.6/53



Right In: 2774.206+/-471.889 χ^2/NDF: 17.3/26

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1551.605+/-474.145 χ^2/NDF: 29.4/30

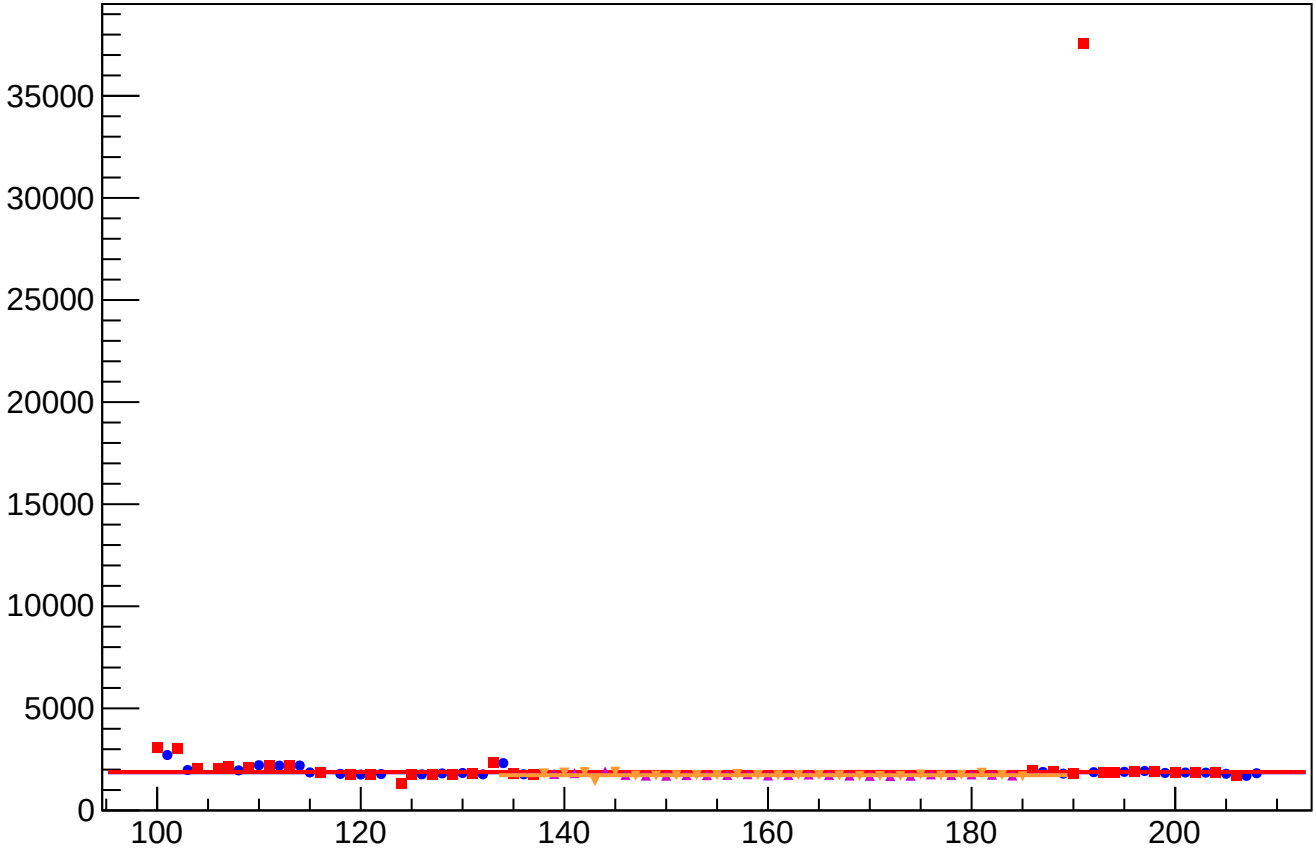
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1843.106+/-301.978 χ^2/NDF: 43.4/51

All: -63.853+/-215.994 χ^2/NDF: 177.0/105

- sign -2061.406+/-309.068 χ^2/NDF: 52.0/53

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1870.534+/-0.334 χ^2/NDF: 251626.4/26

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1885.339+/-0.335 χ^2/NDF: 520747.3/30

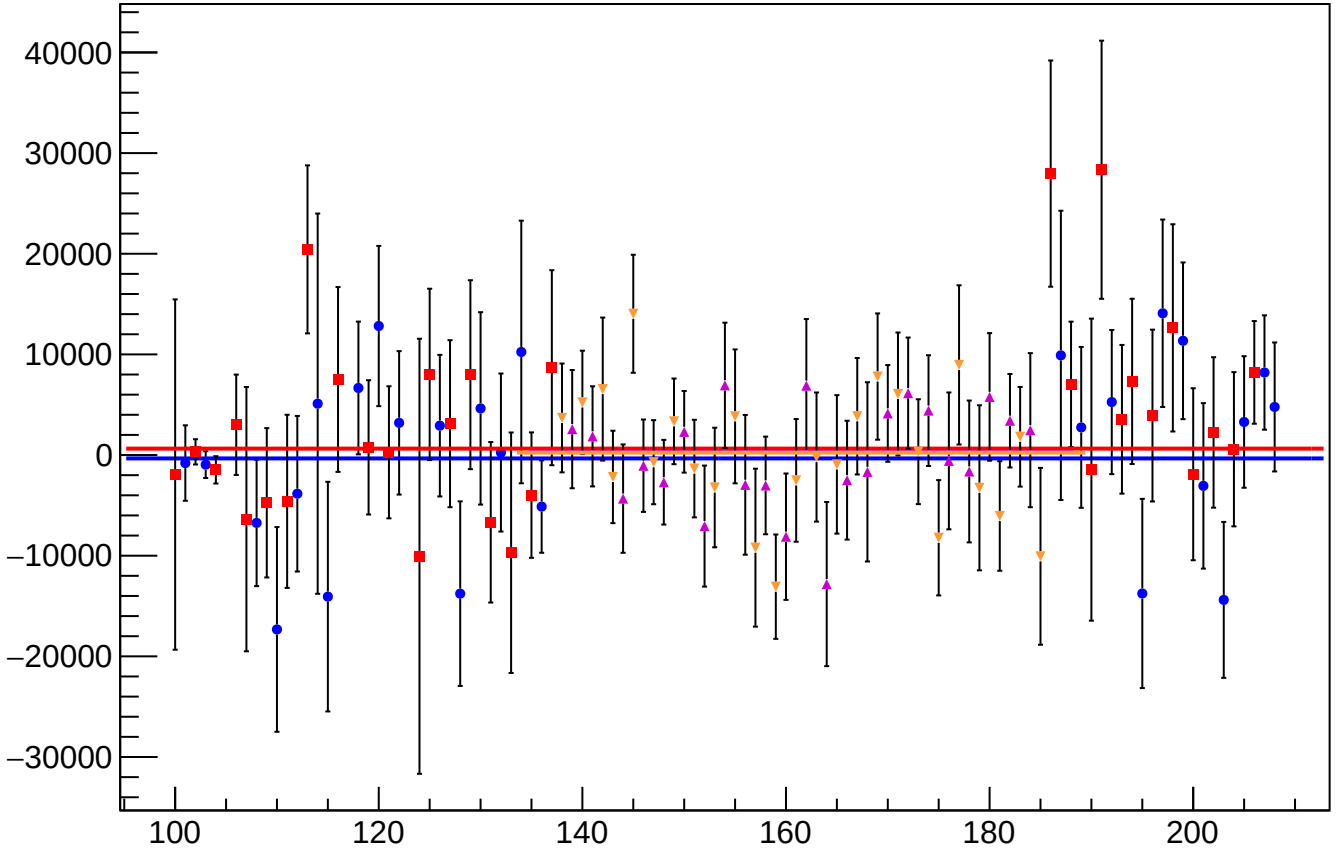
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1785.918+/-0.214 χ^2/NDF: 470801.0/51

All: 1794.967+/-0.153 χ^2/NDF: 1123356.2/10

- sign 1804.443+/-0.219 χ^2/NDF: 648878.8/53

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -336.073+/-971.705 χ^2/NDF: 28.8/26

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 638.888+/-785.760 χ^2/NDF: 30.9/30

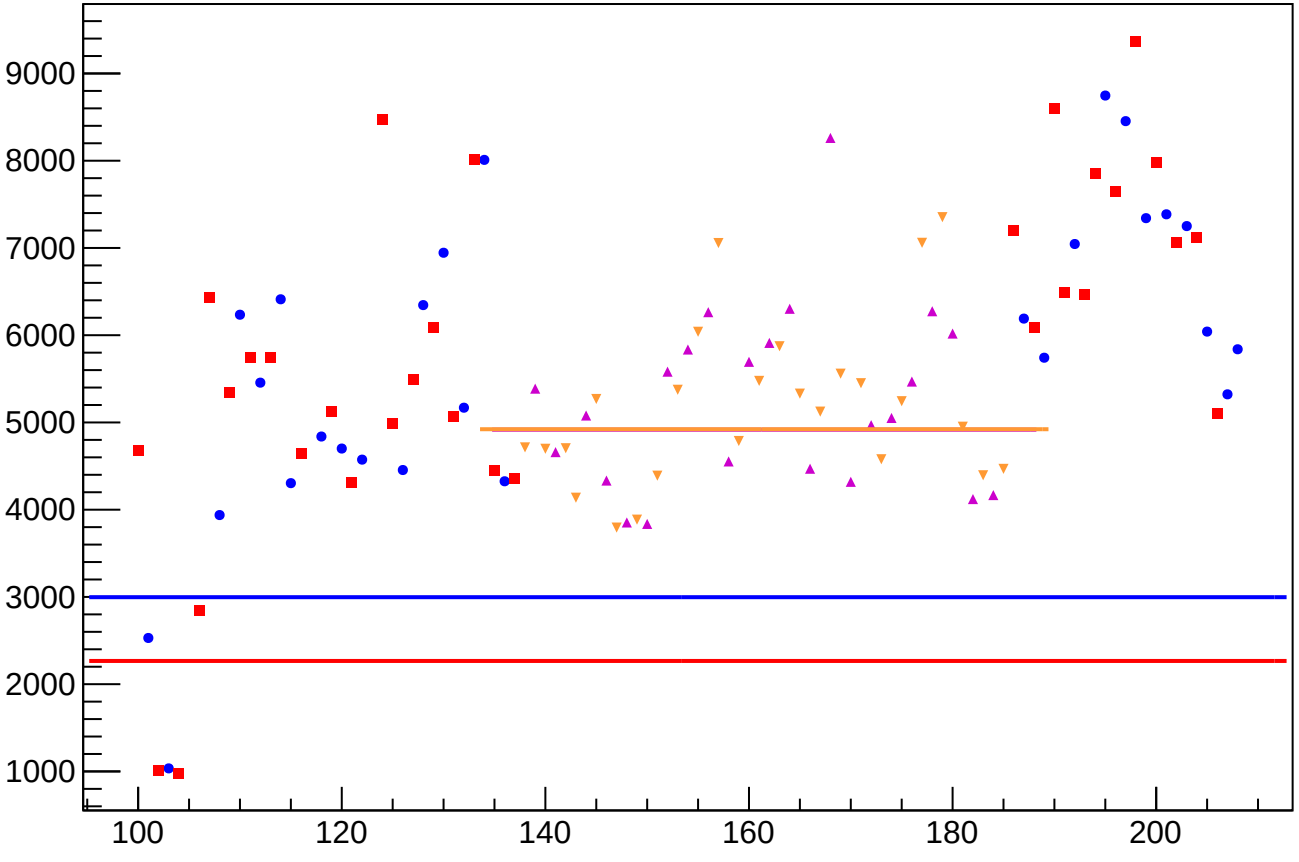
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -93.418+/-739.776 χ^2/NDF: 55.7/51

All: 260.360+/-489.342 χ^2/NDF: 101.6/105

- sign 535.572+/-652.482 χ^2/NDF: 45.5/53

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2997.164+/-0.687 χ^2/NDF: 11946508.7/26

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2266.232+/-0.556 χ^2/NDF: 16025181.6/30

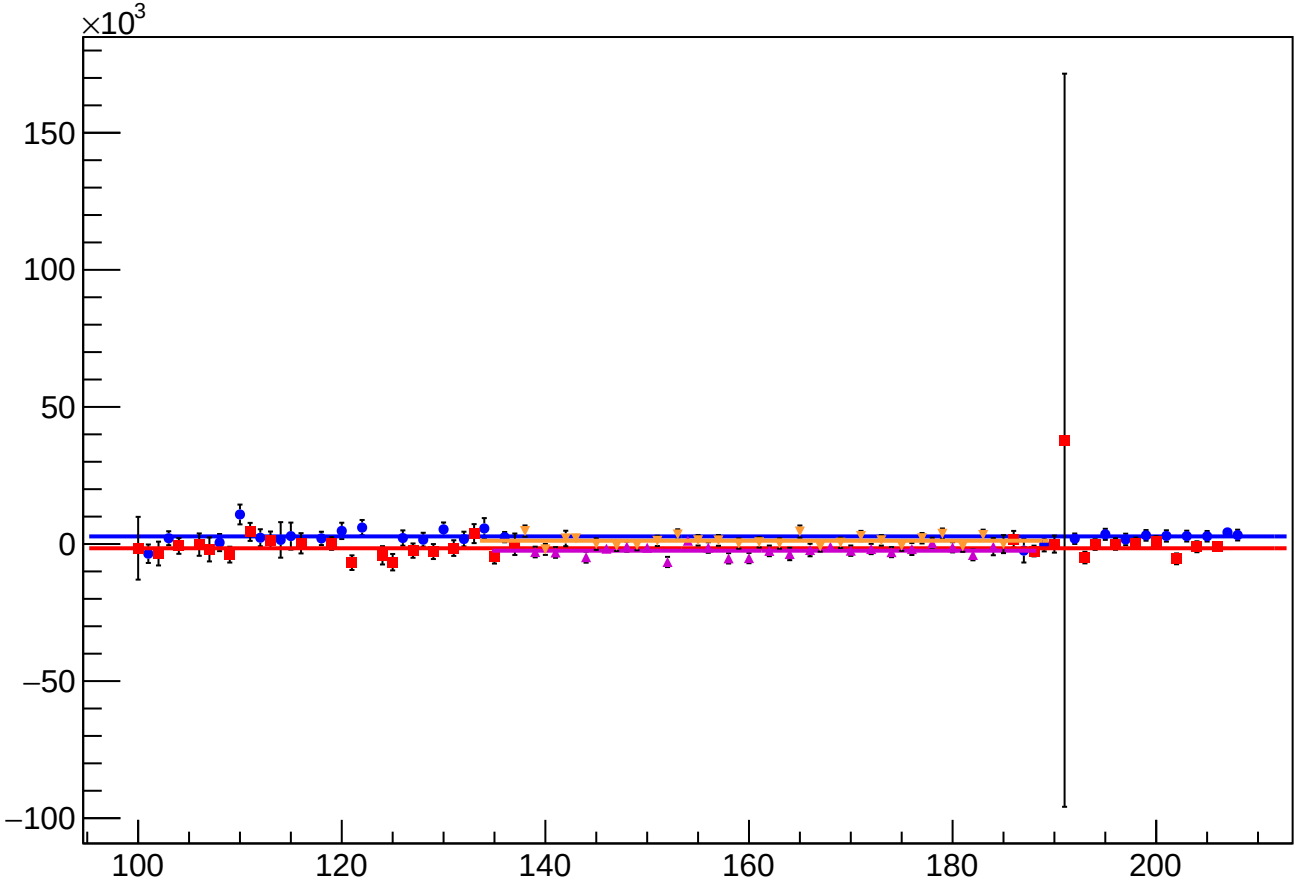
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3806.518+/-0.523 χ^2/NDF: 16297407.0/51

All: 3403.052+/-0.346 χ^2/NDF: 41608215.1/1

- sign 3089.185+/-0.461 χ^2/NDF: 24253119.3/53

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2774.203+/-471.889 χ^2/NDF: 17.3/26

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1551.605+/-474.145 χ^2/NDF: 29.4/30

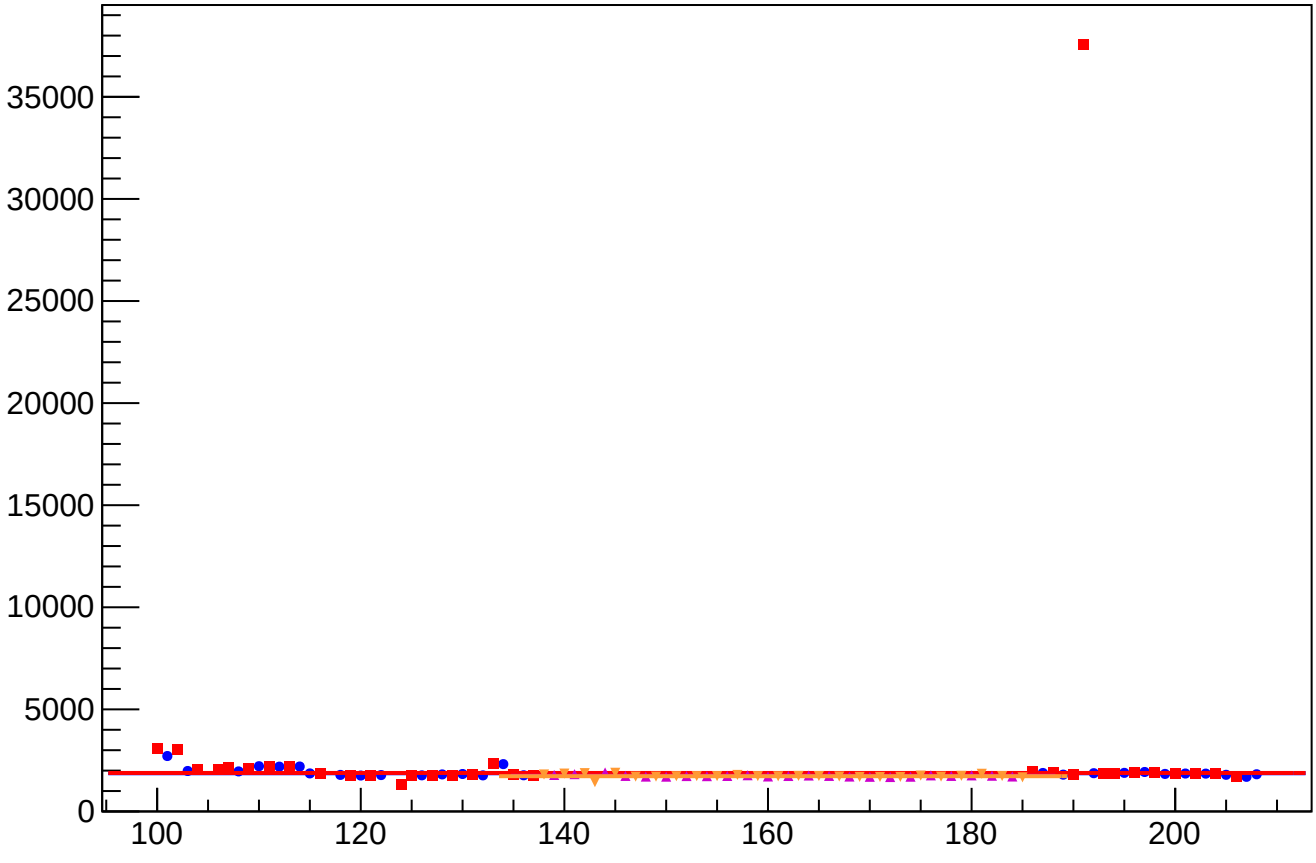
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1843.101+/-301.978 χ^2/NDF: 43.4/51

All: -63.856+/-215.994 χ^2/NDF: 177.0/105

- sign -2061.406+/-309.068 χ^2/NDF: 52.0/53

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1870.533+/-0.334 χ^2/NDF: 251626.3/26

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

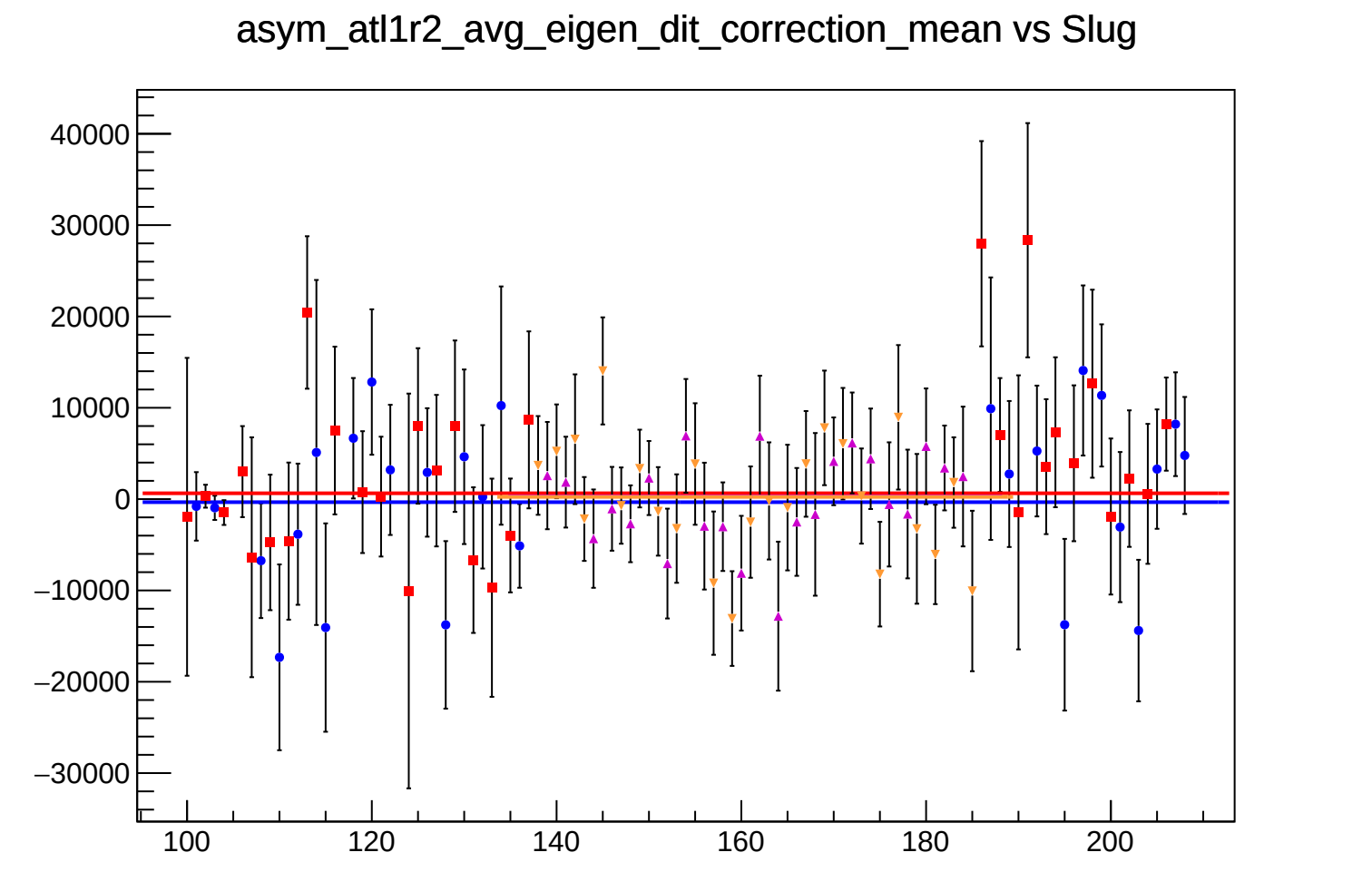
Right Out: 1885.338+/-0.335 χ^2/NDF: 520746.1/30

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1785.919+/-0.214 χ^2/NDF: 470798.1/51

All: 1794.967+/-0.153 χ^2/NDF: 1123350.9/10

- sign 1804.443+/-0.219 χ^2/NDF: 648876.3/53



Right In: -336.073+/-971.705 χ^2/NDF: 28.8/26

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 638.892+/-785.759 χ^2/NDF: 30.9/30

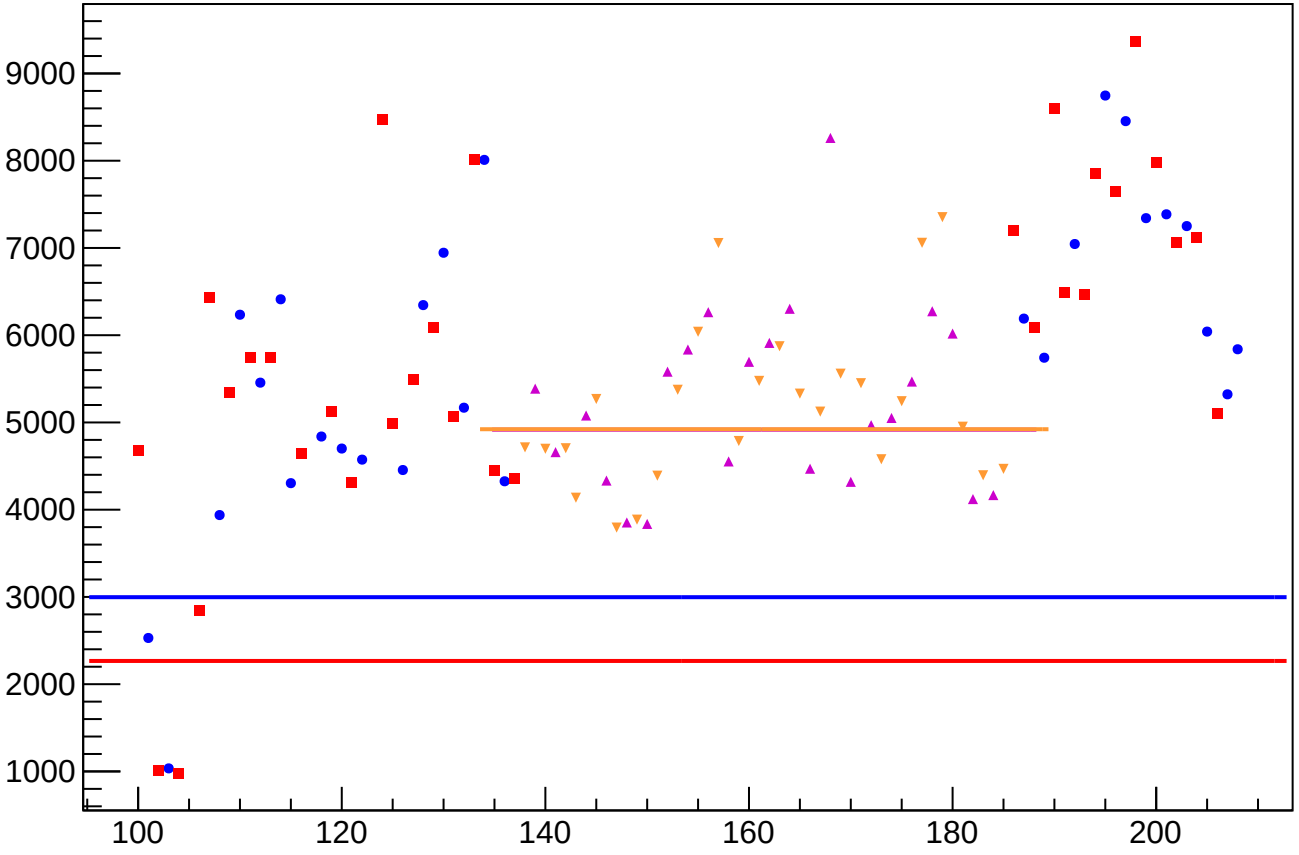
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

\+ sign -93.420+/-739.776 χ^2/NDF: 55.7/51

All: 260.361+/-489.342 χ^2/NDF: 101.6/105

\- sign 535.576+/-652.482 χ^2/NDF: 45.5/53

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2997.163+/-0.687 χ^2/NDF: 11946515.2/26

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

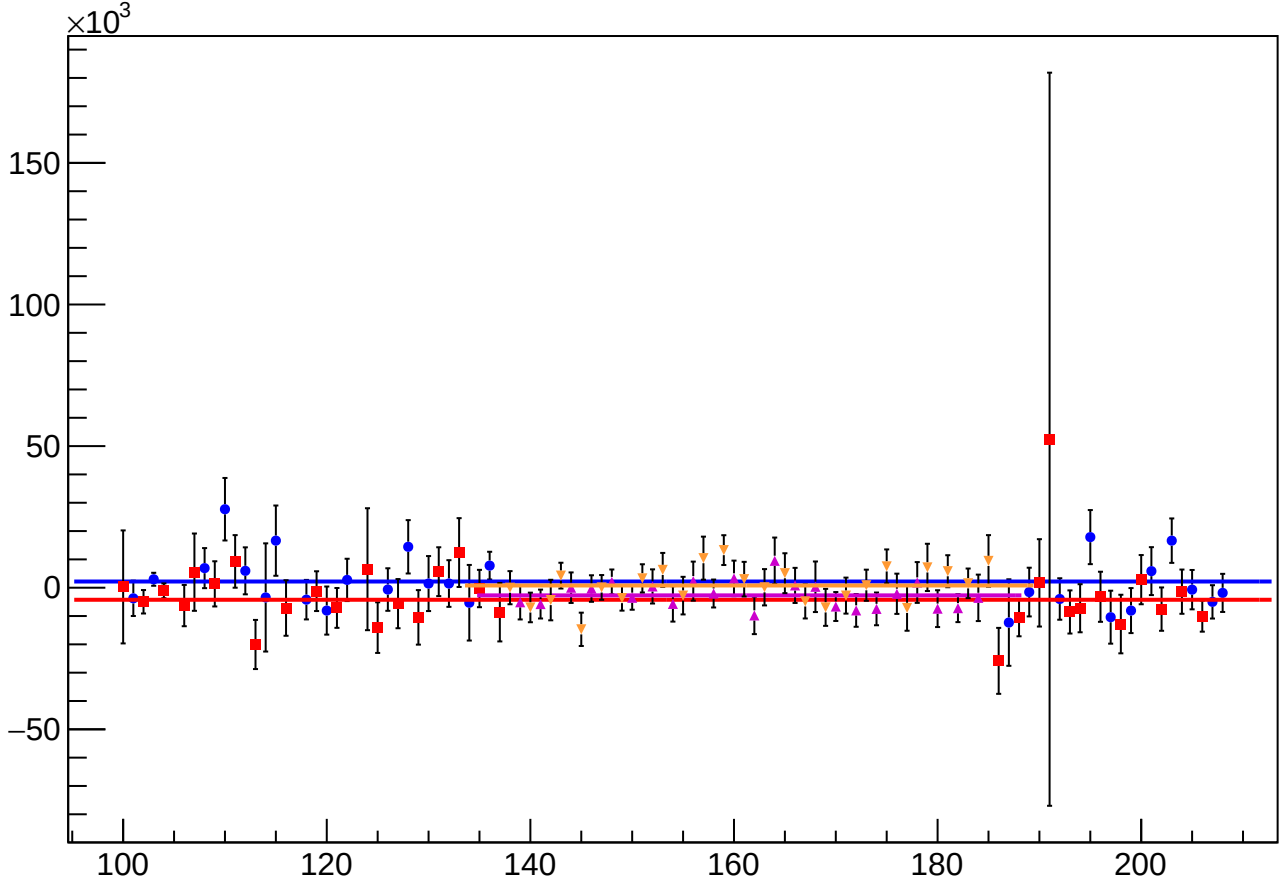
Right Out: 2266.231+/-0.556 χ^2/NDF: 16025181.7/30

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3806.519+/-0.523 χ^2/NDF: 16297443.9/51

All: 3403.051+/-0.346 χ^2/NDF: 41608291.2/1

- sign 3089.185+/-0.461 χ^2/NDF: 24253155.9/53



Right In: 2190.919+/-1292.515 χ^2/NDF: 27.8/26

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -4257.631+/-1309.123 χ^2/NDF: 22.1/30

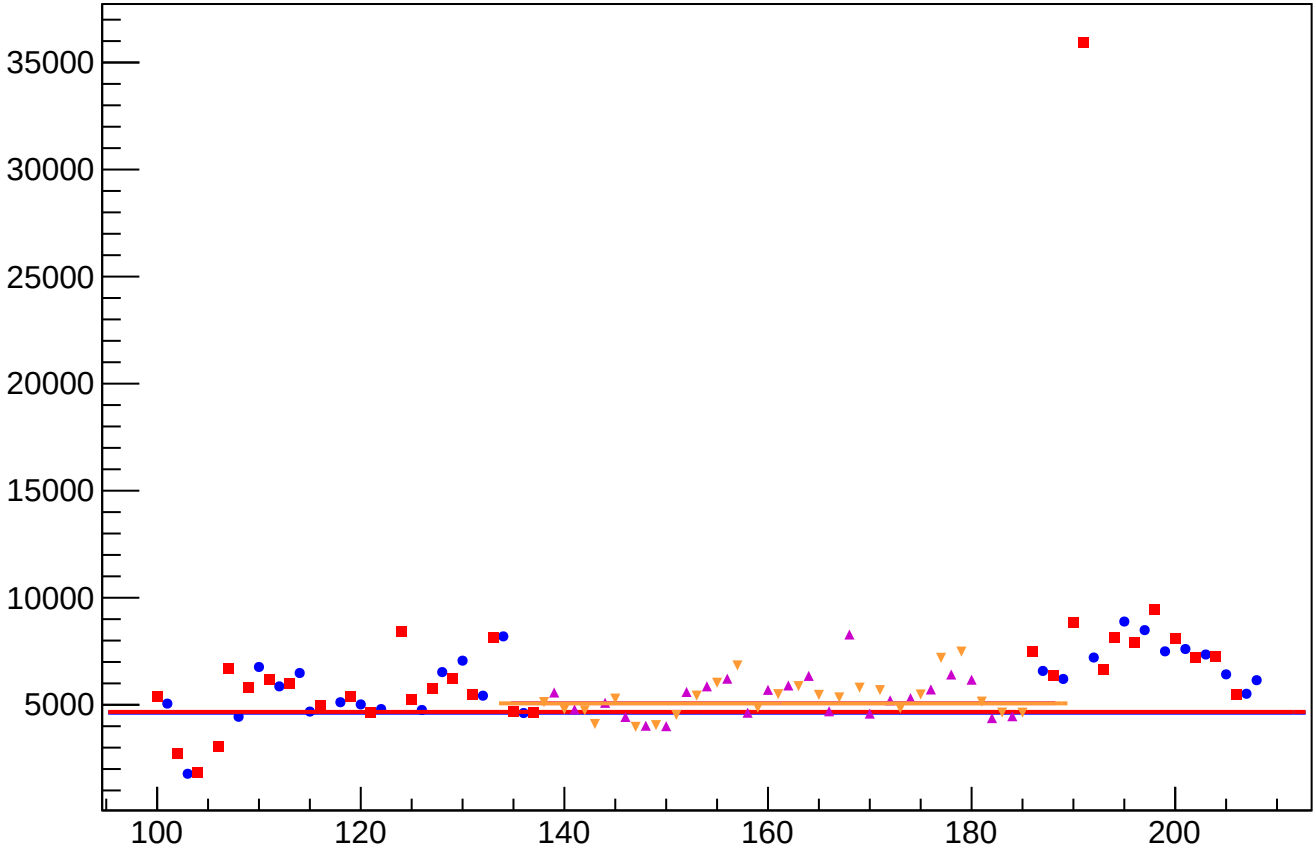
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1420.980+/-868.202 χ^2/NDF: 56.0/51

All: -946.526+/-620.486 χ^2/NDF: 106.1/105

- sign -3418.230+/-887.102 χ^2/NDF: 34.8/53

asym_atl1r2_avg_rms vs Slug



Right In: 4630.671+/-0.914 χ^2/NDF: 5741379.0/26

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4668.277+/-0.919 χ^2/NDF: 5959287.4/30

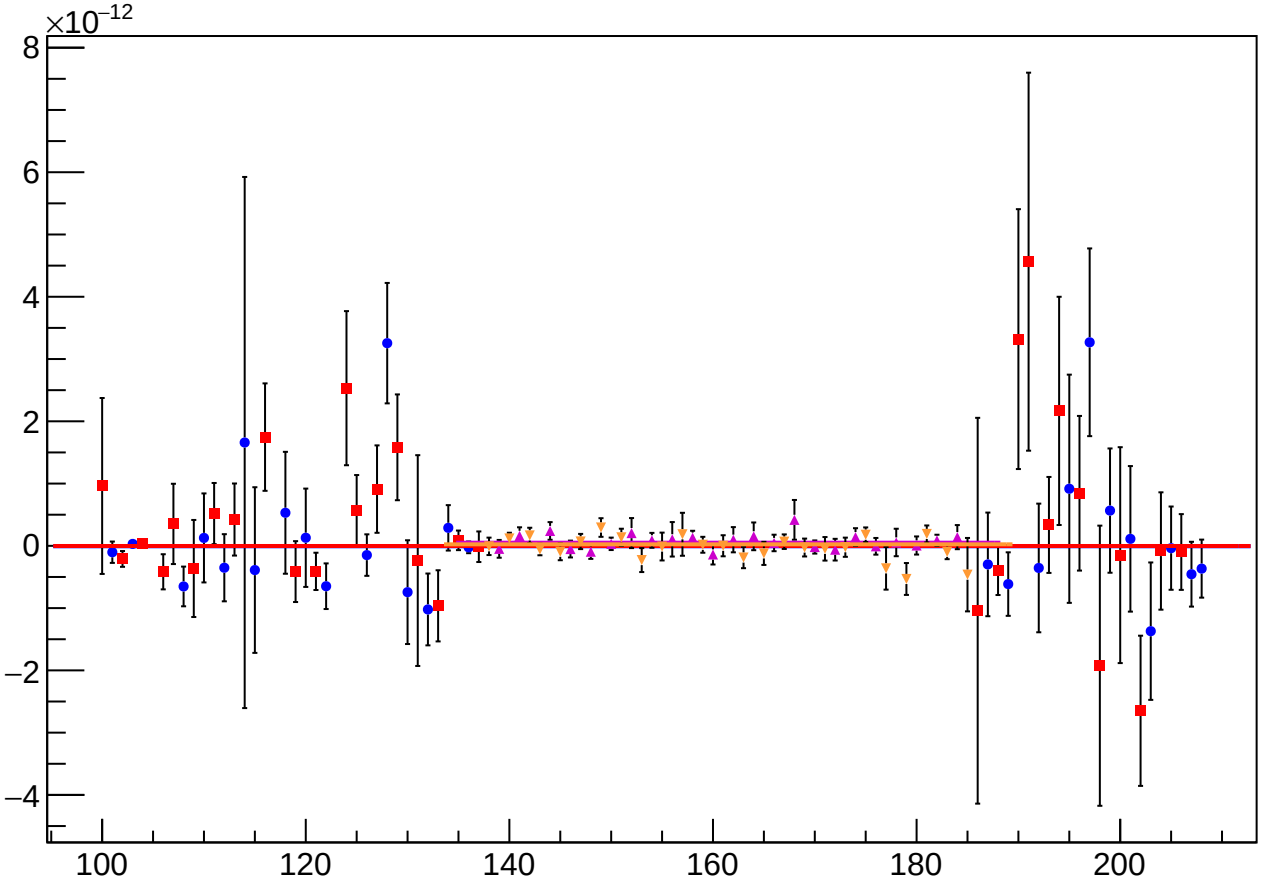
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4870.620+/-0.614 χ^2/NDF: 6821231.4/51

All: 4879.802+/-0.438 χ^2/NDF: 13889882.0/1

- sign 4889.326+/-0.625 χ^2/NDF: 7068194.9/53

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 35.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

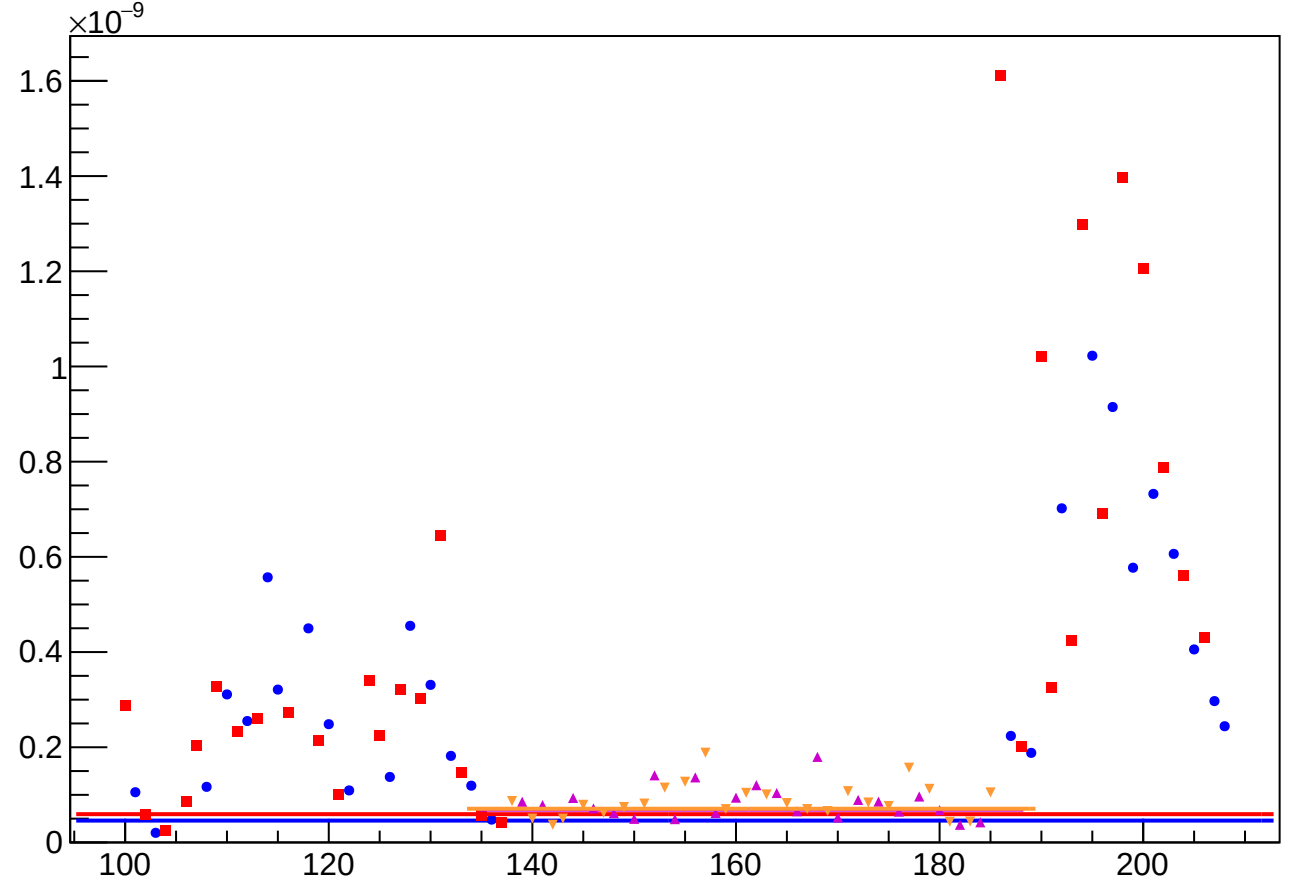
Right Out: -0.000+/-0.000 χ^2/NDF: 41.8/30

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.3/51

All: 0.000+/-0.000 χ^2/NDF: 113.6/105

- sign 0.000+/-0.000 χ^2/NDF: 53.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 8708185.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9716193.7/30

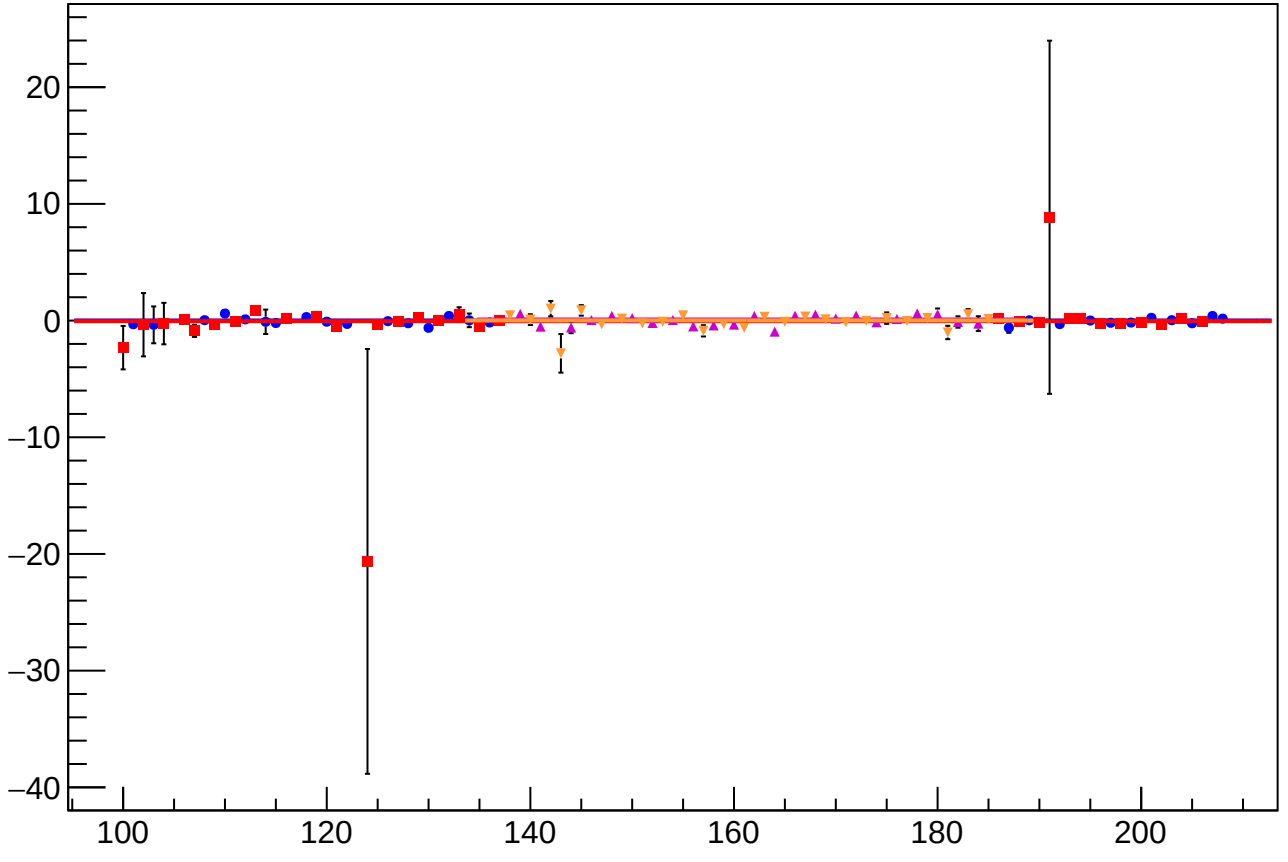
Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10782703.0/51

All: 0.000+/-0.000 χ^2/NDF: 22038417.1/105

- sign 0.000+/-0.000 χ^2/NDF: 11211472.8/53

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.053 χ^2/NDF: 24.7/26

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.055+/-0.050 χ^2/NDF: 29.7/30

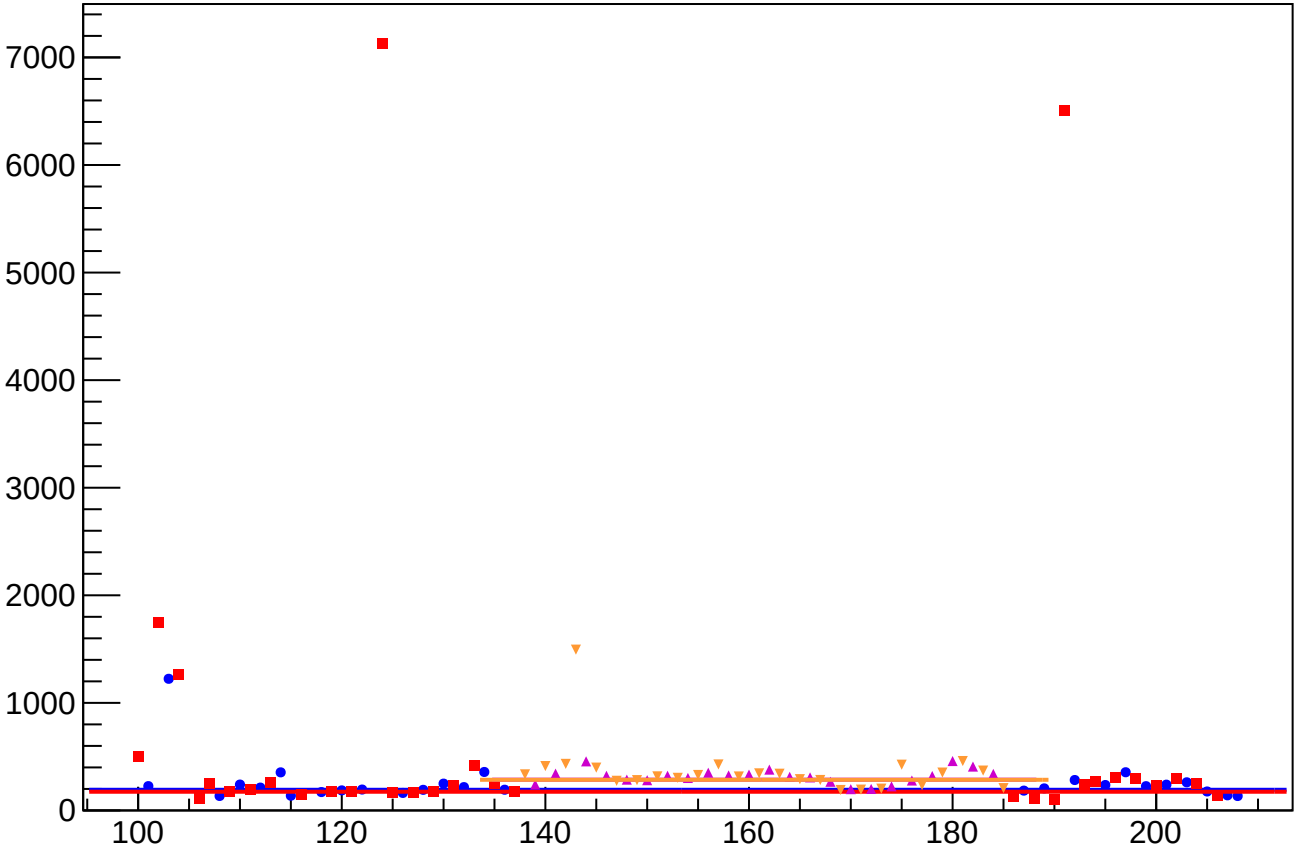
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.011+/-0.042 χ^2/NDF: 53.0/51

All: 0.002+/-0.029 χ^2/NDF: 116.5/105

- sign -0.007+/-0.041 χ^2/NDF: 63.5/53

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 192.200+/-0.037 χ^2/NDF: 2700465.4/26

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

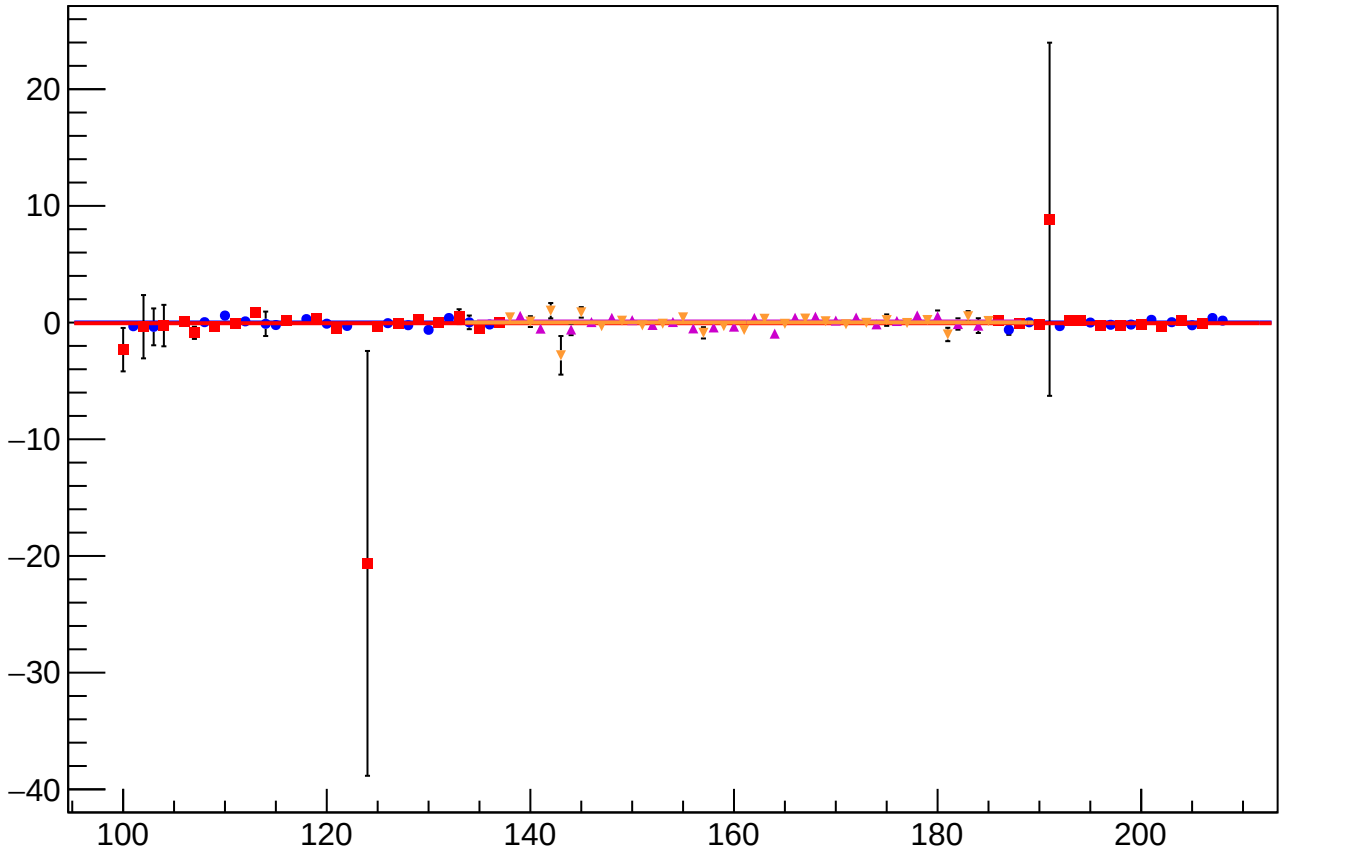
Right Out: 173.924+/-0.035 χ^2/NDF: 5365480.2/30

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 225.765+/-0.030 χ^2/NDF: 8364933.5/51

All: 218.130+/-0.021 χ^2/NDF: 18982744.7/10

- sign 211.014+/-0.029 χ^2/NDF: 10490012.3/53



Right In: 0.009+/-0.053 χ^2/NDF: 24.7/26

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.055+/-0.050 χ^2/NDF: 29.7/30

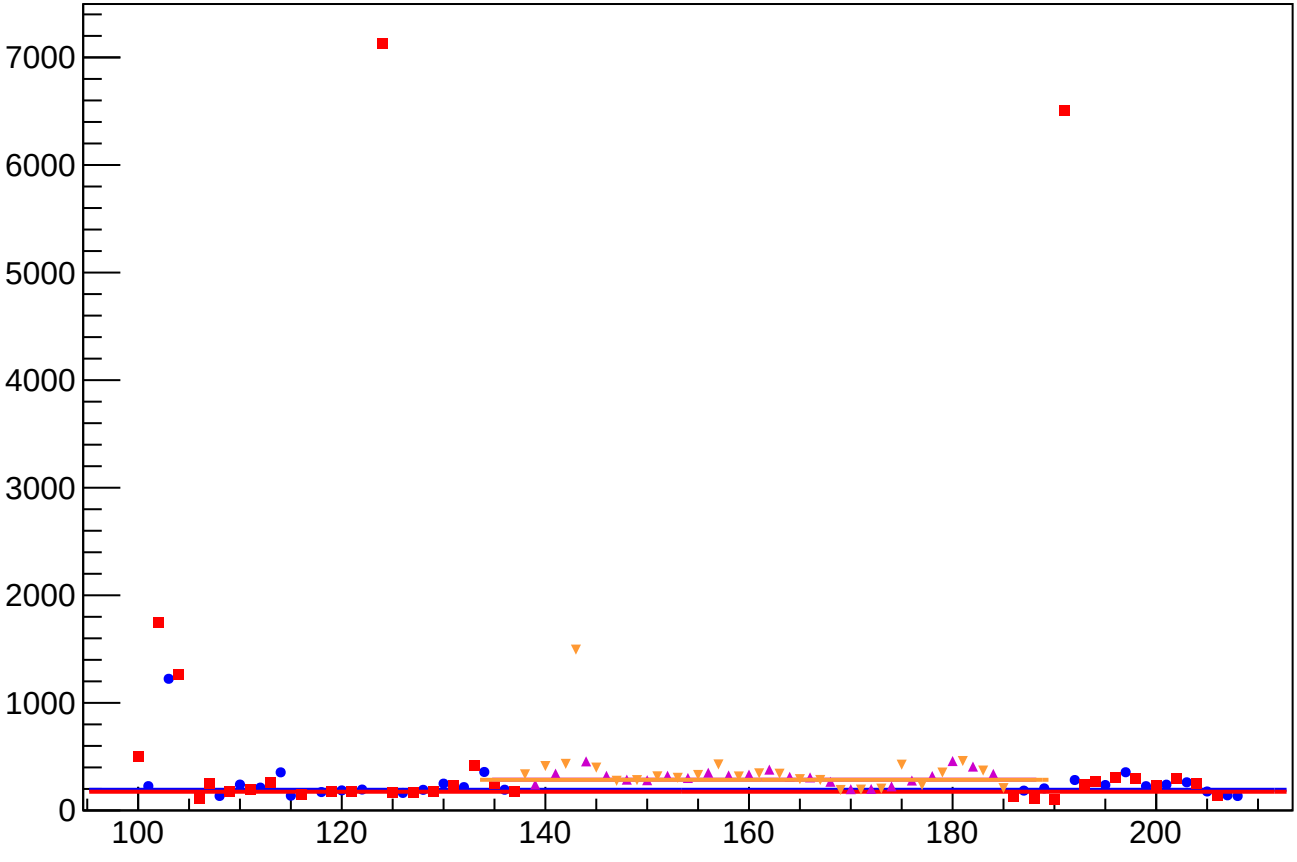
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.011+/-0.042 χ^2/NDF: 53.0/51

All: 0.002+/-0.029 χ^2/NDF: 116.5/105

- sign -0.007+/-0.041 χ^2/NDF: 63.5/53

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 192.200+/-0.037 χ^2/NDF: 2700465.4/26

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

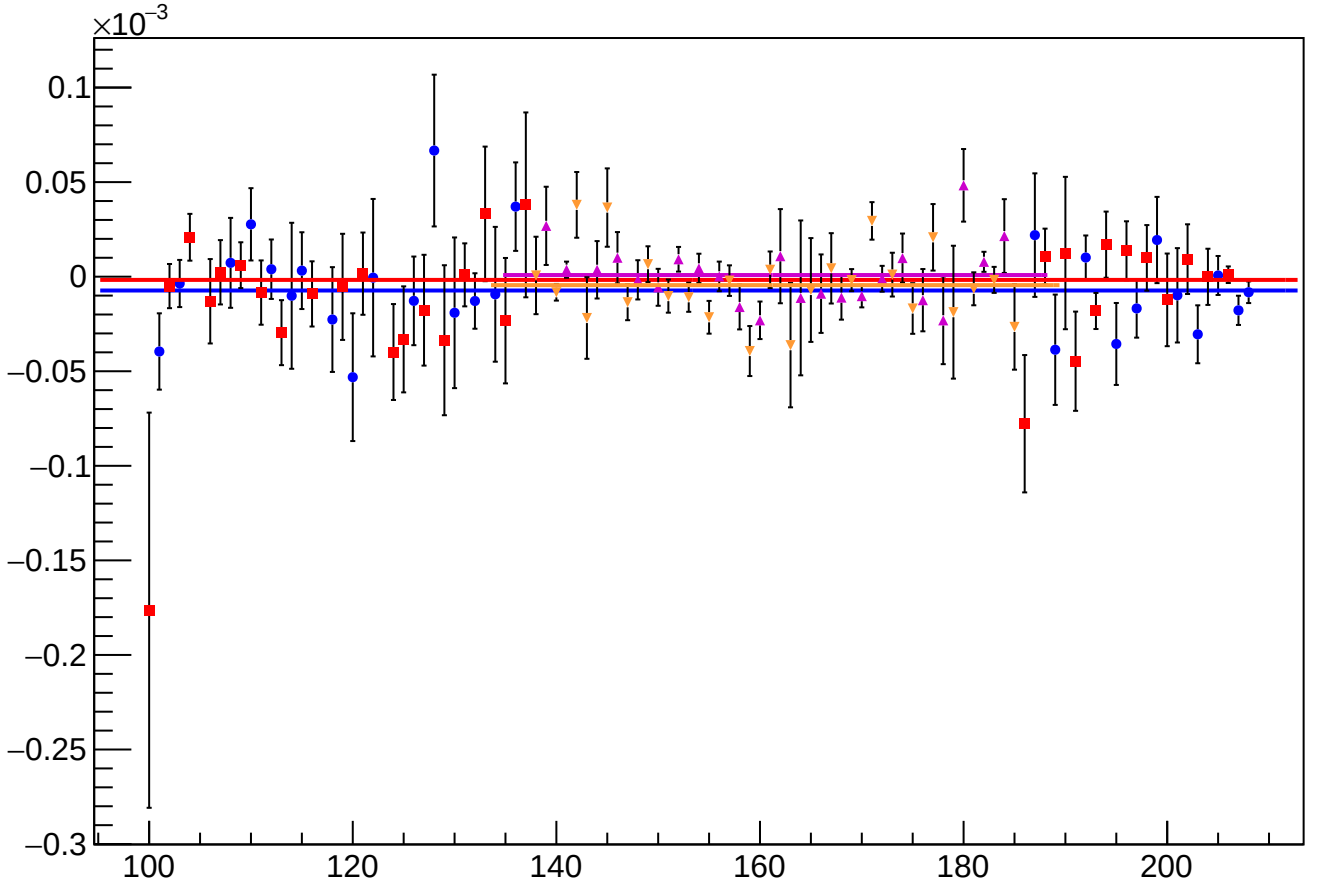
Right Out: 173.924+/-0.035 χ^2/NDF: 5365480.2/30

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 225.765+/-0.030 χ^2/NDF: 8364933.5/51

All: 218.130+/-0.021 χ^2/NDF: 18982744.7/10

- sign 211.014+/-0.029 χ^2/NDF: 10490012.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/26

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

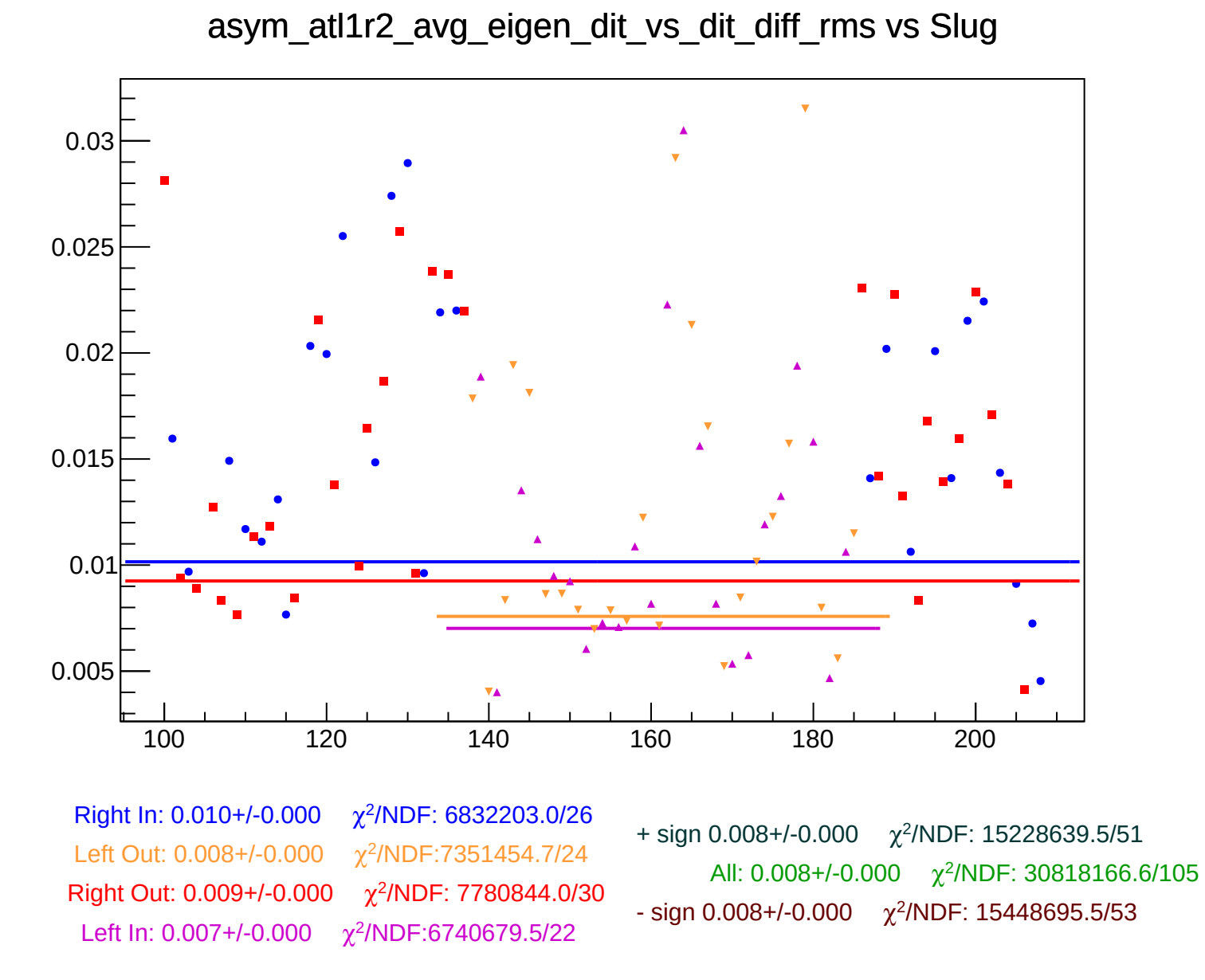
Right Out: -0.000+/-0.000 χ^2/NDF: 30.9/30

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

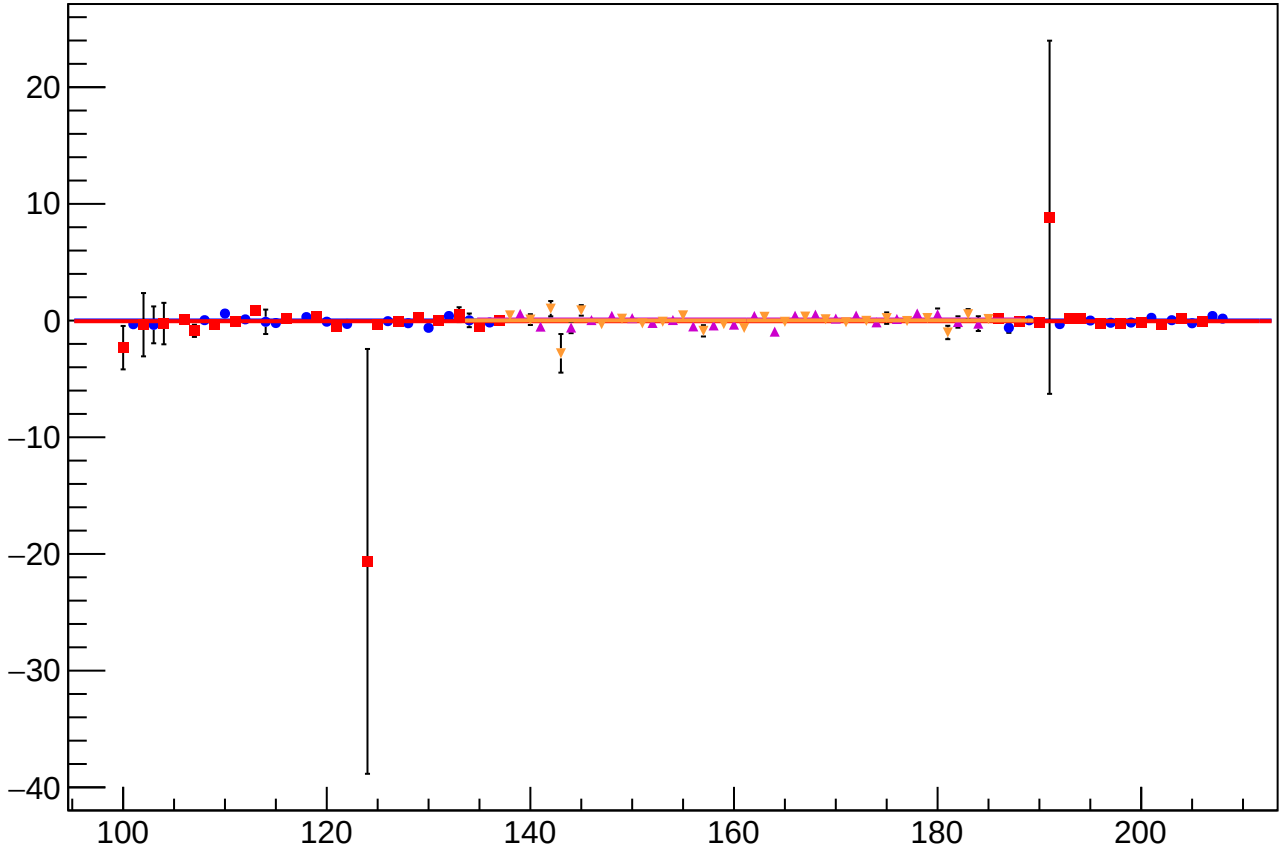
+ sign -0.000+/-0.000 χ^2/NDF: 73.6/51

All: -0.000+/-0.000 χ^2/NDF: 139.6/105

- sign -0.000+/-0.000 χ^2/NDF: 60.5/53


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.010+/-0.000 χ²/NDF: 6832203.0/26
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.009+/-0.000 χ²/NDF: 7780844.0/30
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
+ sign 0.008+/-0.000 χ²/NDF: 15228639.5/51
All: 0.008+/-0.000 χ²/NDF: 30818166.6/105
- sign 0.008+/-0.000 χ²/NDF: 15448695.5/53

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.053 χ^2/NDF: 24.7/26

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.055+/-0.050 χ^2/NDF: 29.7/30

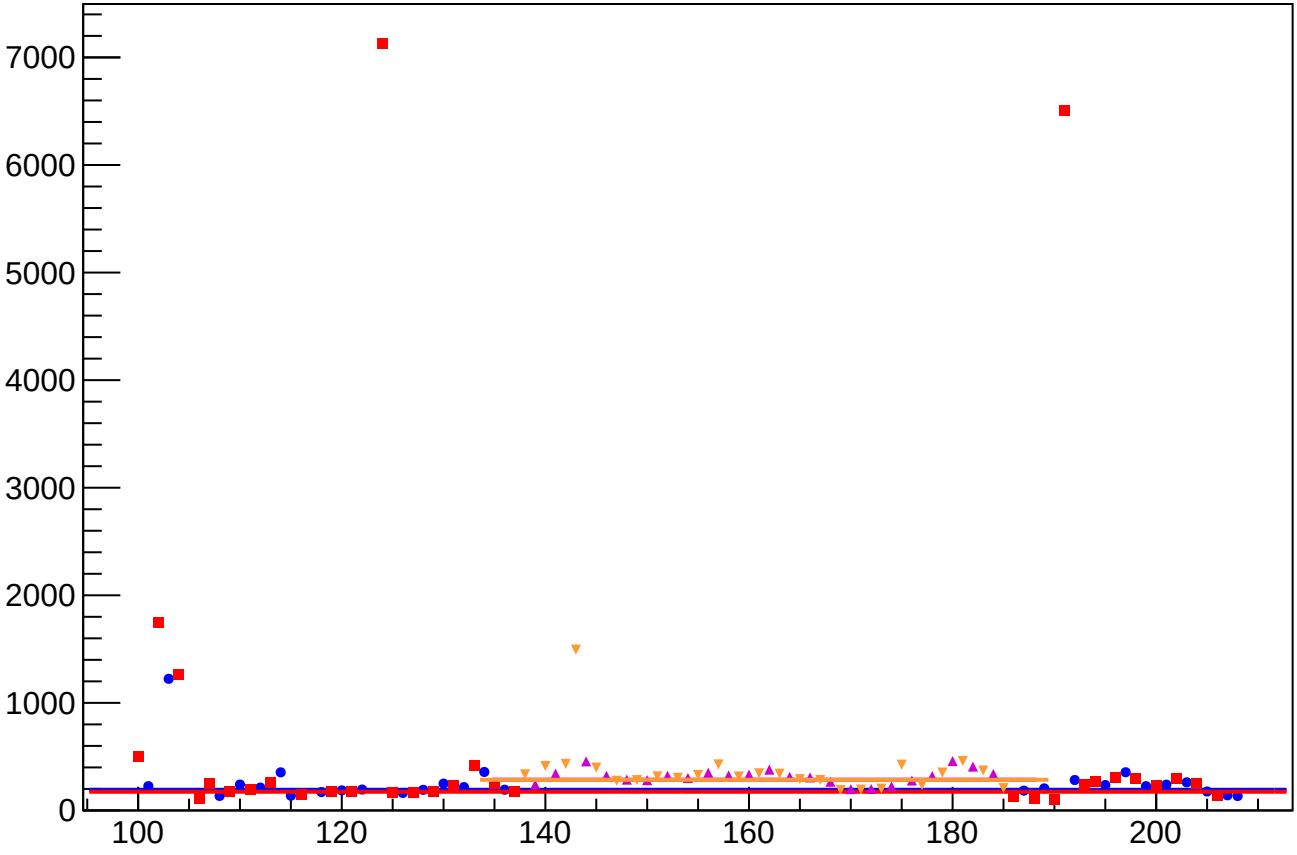
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.011+/-0.042 χ^2/NDF: 53.0/51

All: 0.002+/-0.029 χ^2/NDF: 116.5/105

- sign -0.007+/-0.041 χ^2/NDF: 63.5/53

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 192.199+/-0.037 χ^2/NDF: 2700476.4/26

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

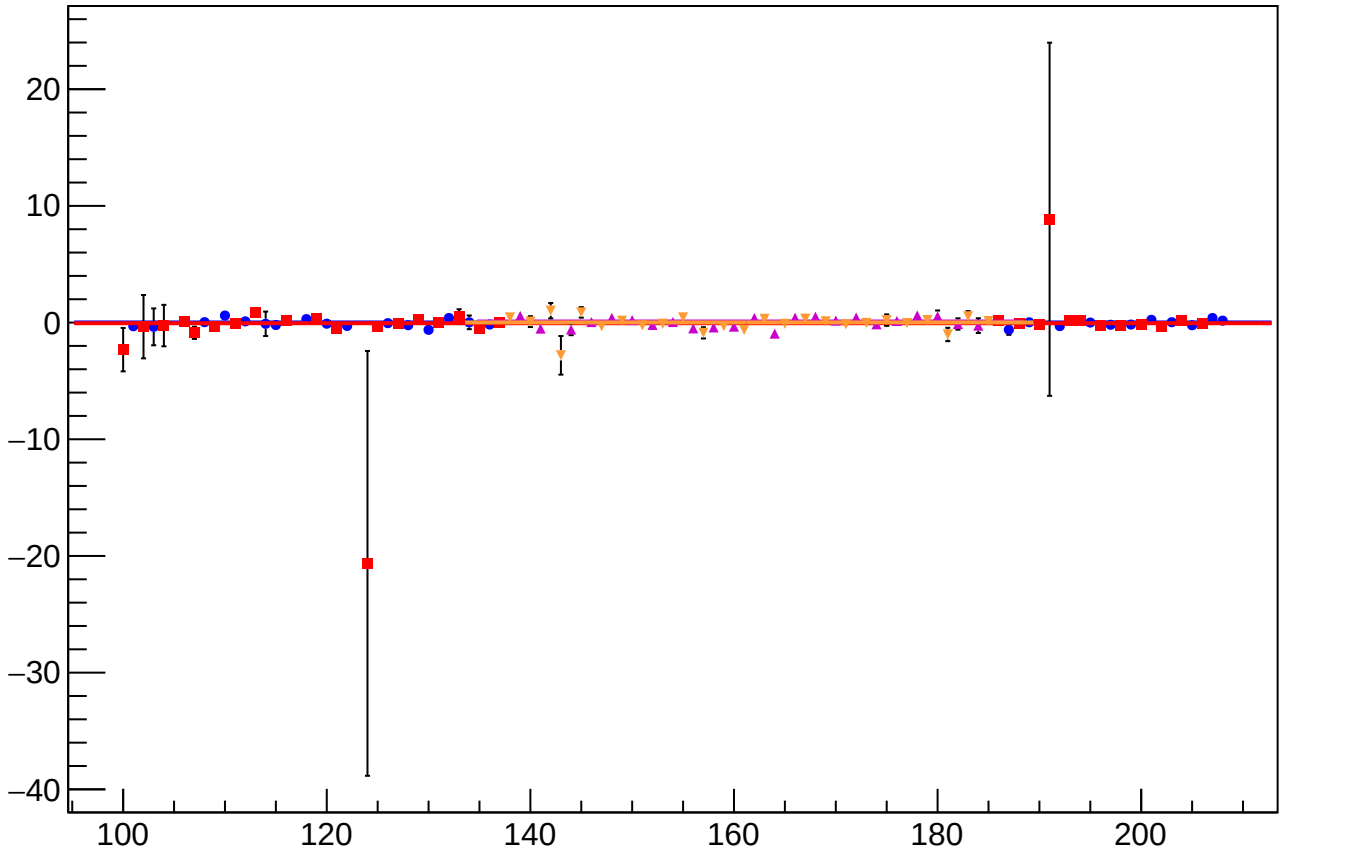
Right Out: 173.922+/-0.035 χ^2/NDF: 5365638.7/30

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 225.765+/-0.030 χ^2/NDF: 8365144.0/51

All: 218.129+/-0.021 χ^2/NDF: 18983445.6/10

- sign 211.012+/-0.029 χ^2/NDF: 10490480.0/53



Right In: 0.009+/-0.053 χ^2/NDF: 24.7/26

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.055+/-0.050 χ^2/NDF: 29.7/30

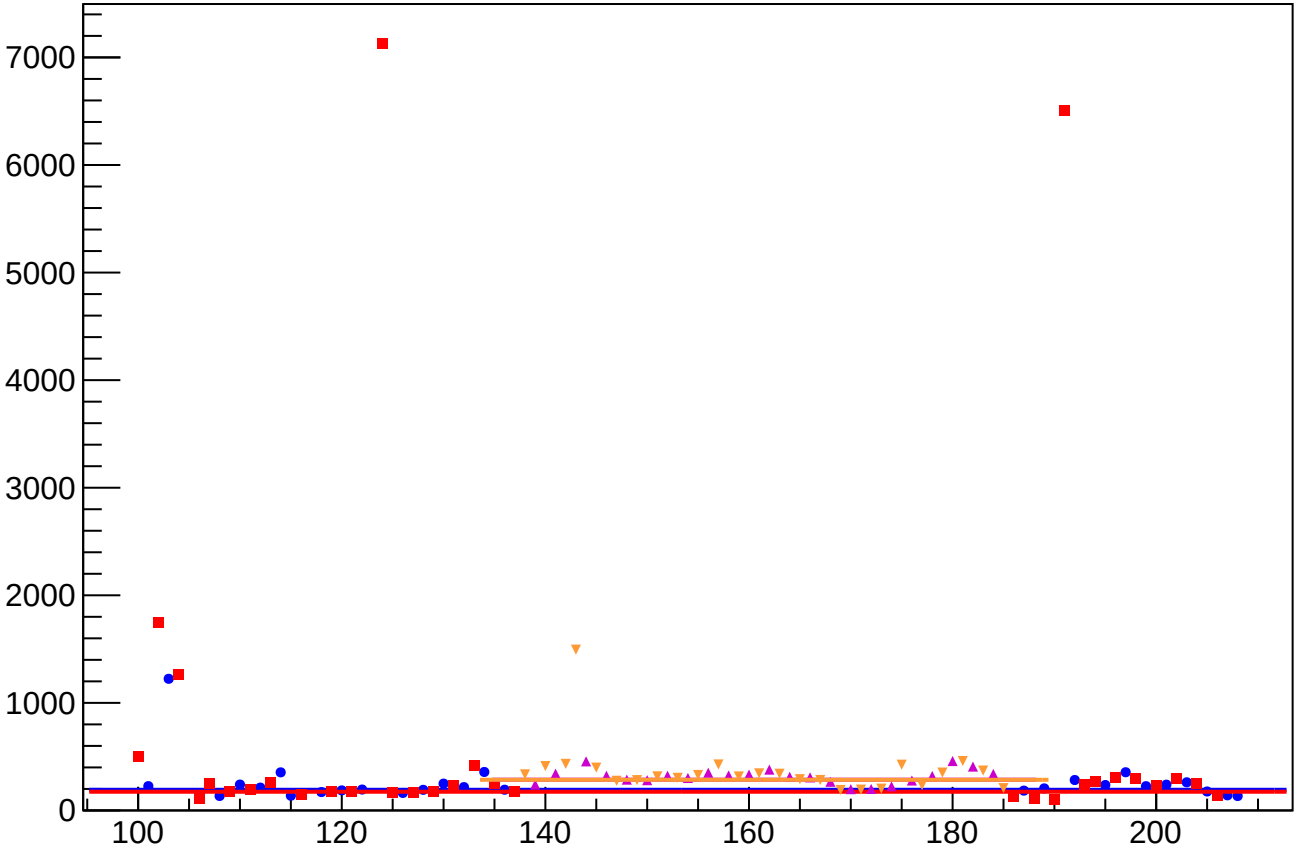
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.011+/-0.042 χ^2/NDF: 53.0/51

All: 0.002+/-0.029 χ^2/NDF: 116.5/105

- sign -0.007+/-0.041 χ^2/NDF: 63.5/53

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 192.199+/-0.037 χ^2/NDF: 2700476.4/26

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 173.922+/-0.035 χ^2/NDF: 5365638.7/30

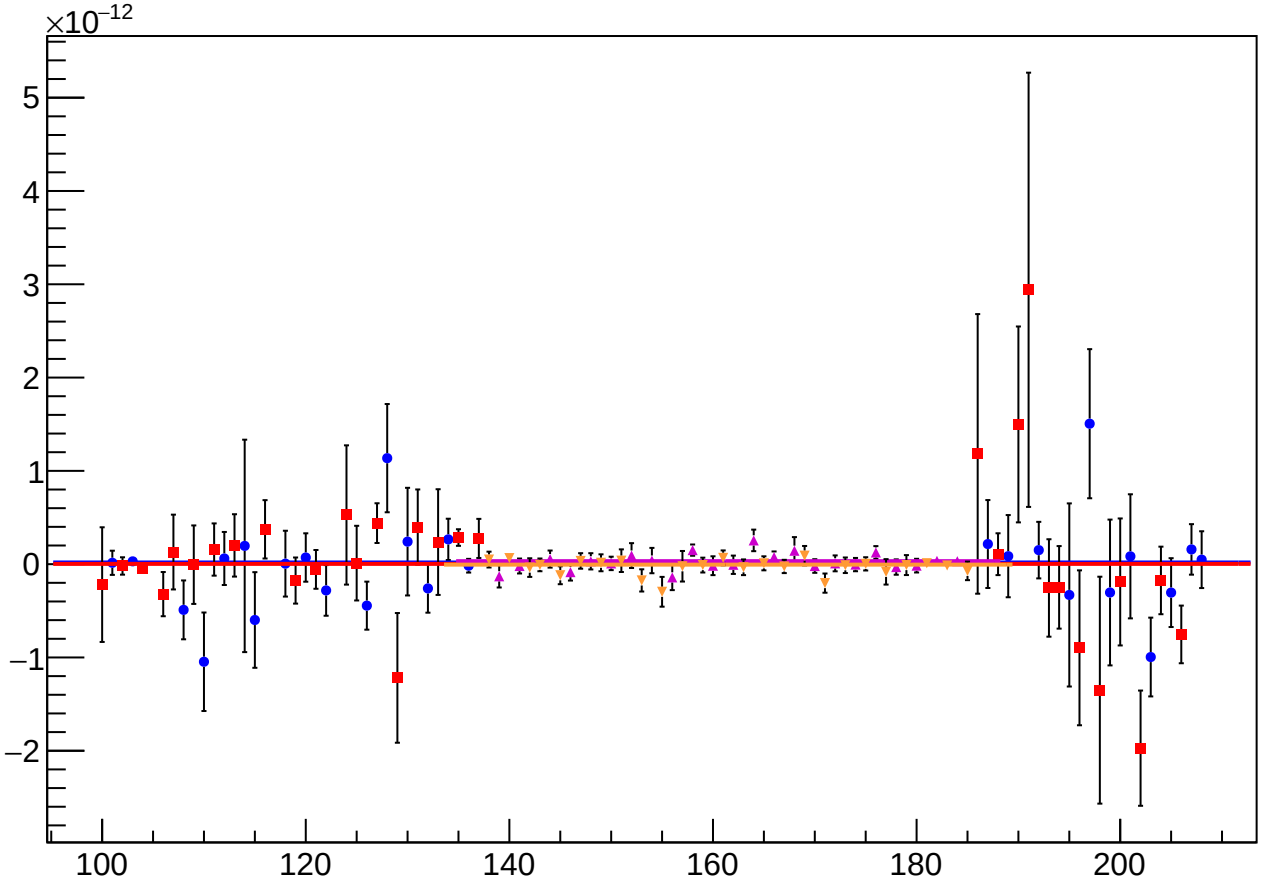
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 225.765+/-0.030 χ^2/NDF: 8365144.0/51

All: 218.129+/-0.021 χ^2/NDF: 18983445.6/10

- sign 211.012+/-0.029 χ^2/NDF: 10490480.0/53

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 30.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

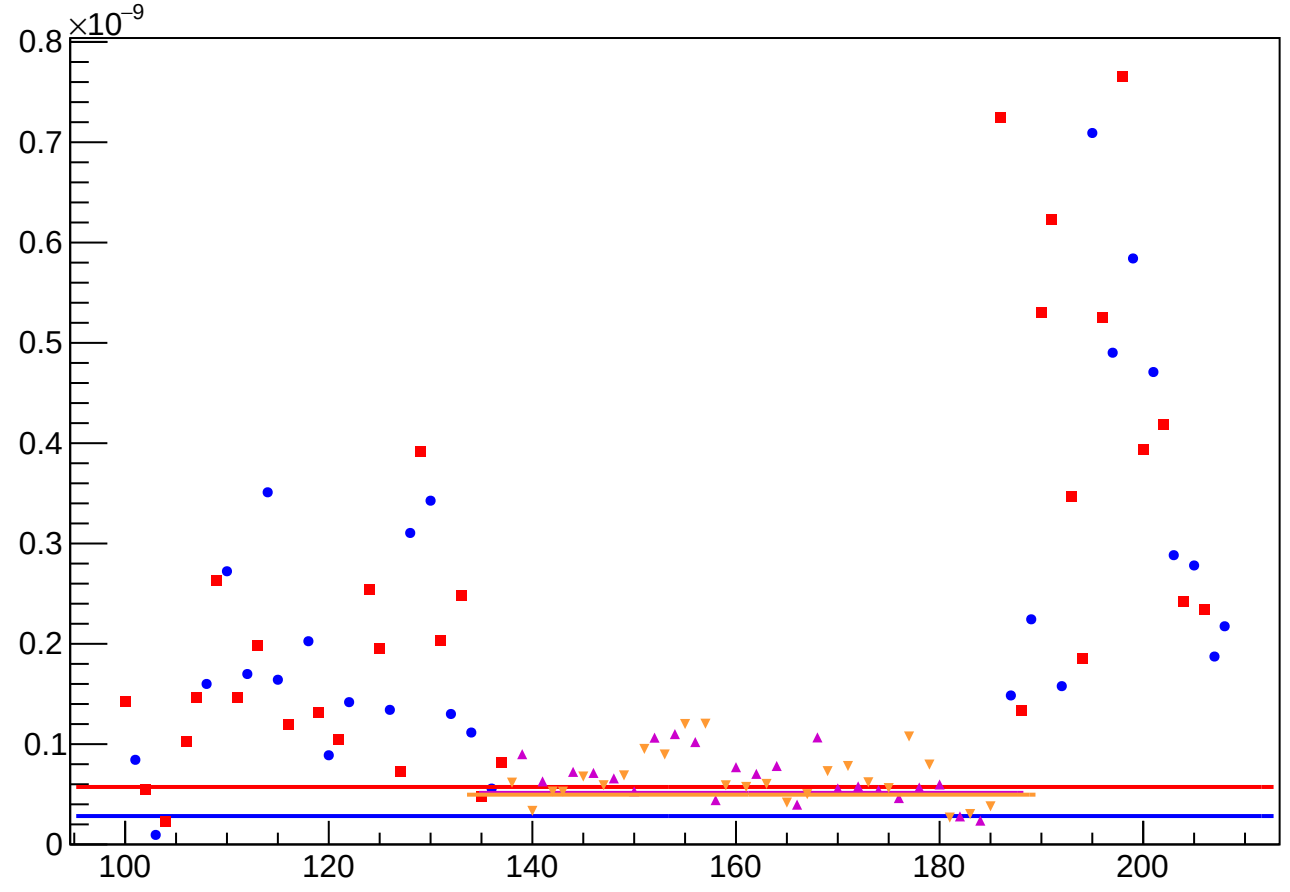
Right Out: 0.000+/-0.000 χ^2/NDF: 51.3/30

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.8/51

All: 0.000+/-0.000 χ^2/NDF: 120.1/105

- sign 0.000+/-0.000 χ^2/NDF: 70.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 14131287.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10037901.8/30

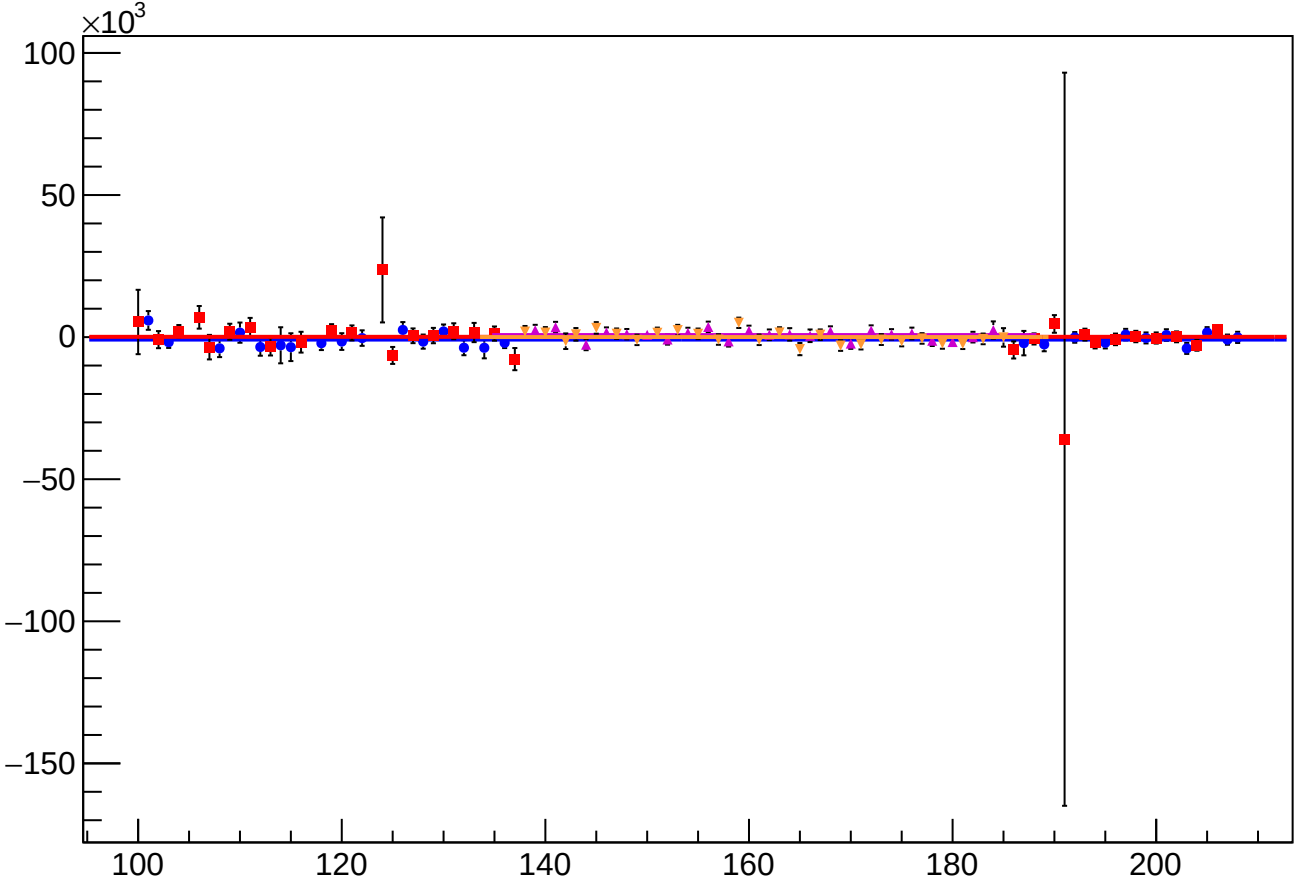
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 19434062.7/51

All: 0.000+/-0.000 χ^2/NDF: 33846329.7/105

- sign 0.000+/-0.000 χ^2/NDF: 13756676.6/53

reg_asym_atl1r2_dd_mean vs Slug



Right In: -861.091+/-461.414 χ^2/NDF: 19.3/26

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 103.605+/-465.643 χ^2/NDF: 31.5/30

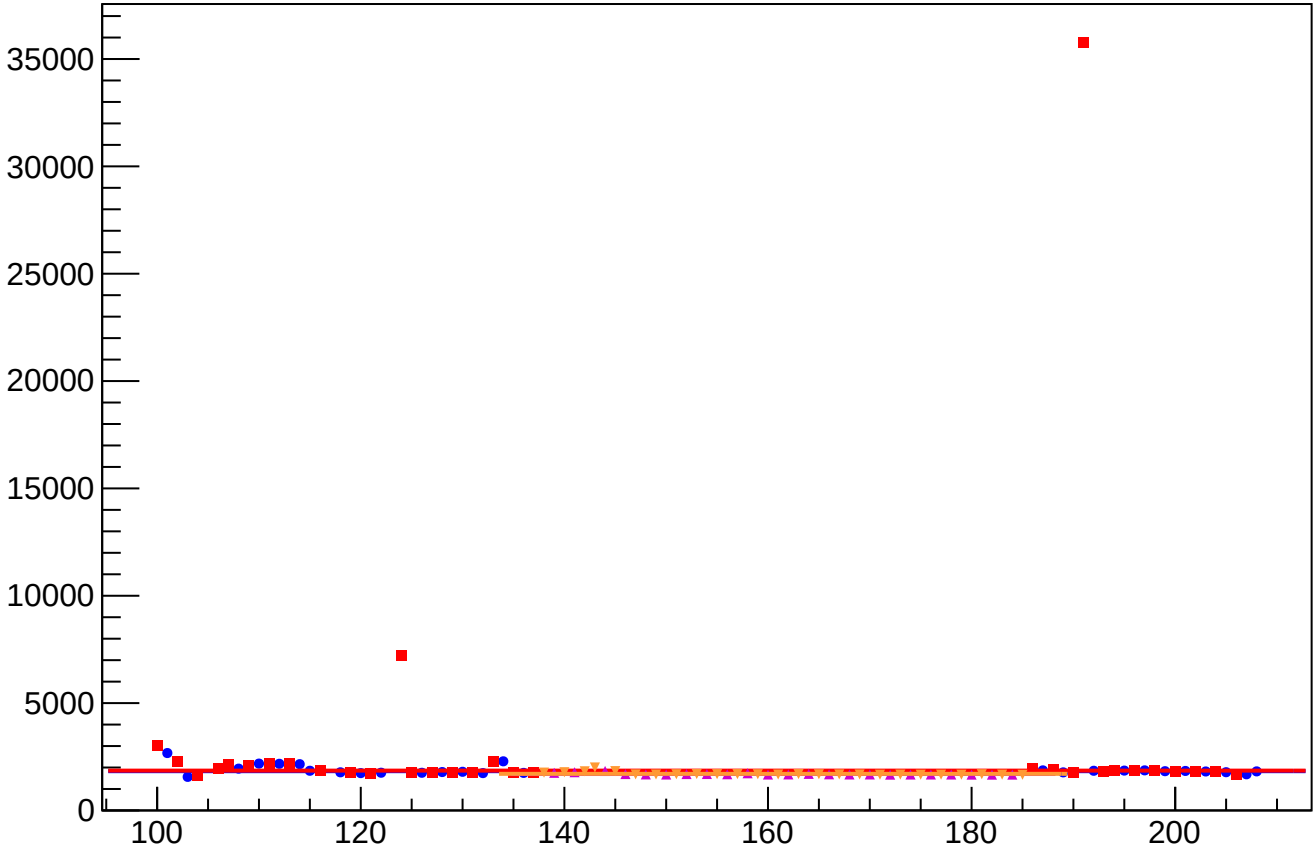
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -342.838+/-296.843 χ^2/NDF: 50.9/51

All: 52.182+/-211.652 χ^2/NDF: 106.1/105

- sign 460.672+/-301.861 χ^2/NDF: 51.6/53

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1828.909+/-0.326 χ^2/NDF: 278932.6/26

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1855.277+/-0.329 χ^2/NDF: 535452.2/30

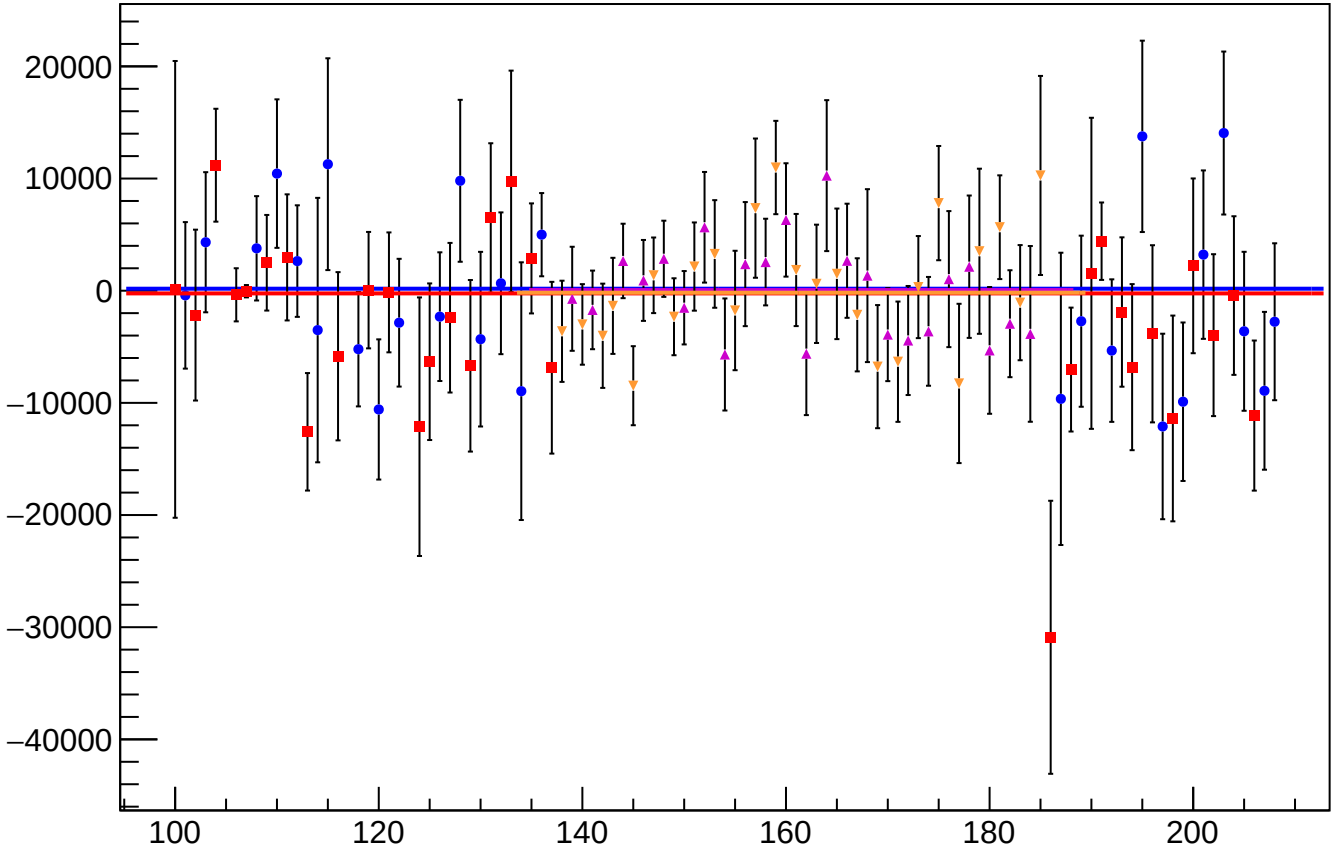
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1756.655+/-0.210 χ^2/NDF: 422533.5/51

All: 1760.214+/-0.150 χ^2/NDF: 1112970.9/10

- sign 1763.892+/-0.213 χ^2/NDF: 689852.8/53

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 177.948+/-1253.250 χ^2/NDF: 28.4/26

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -240.286+/-488.773 χ^2/NDF: 33.3/30

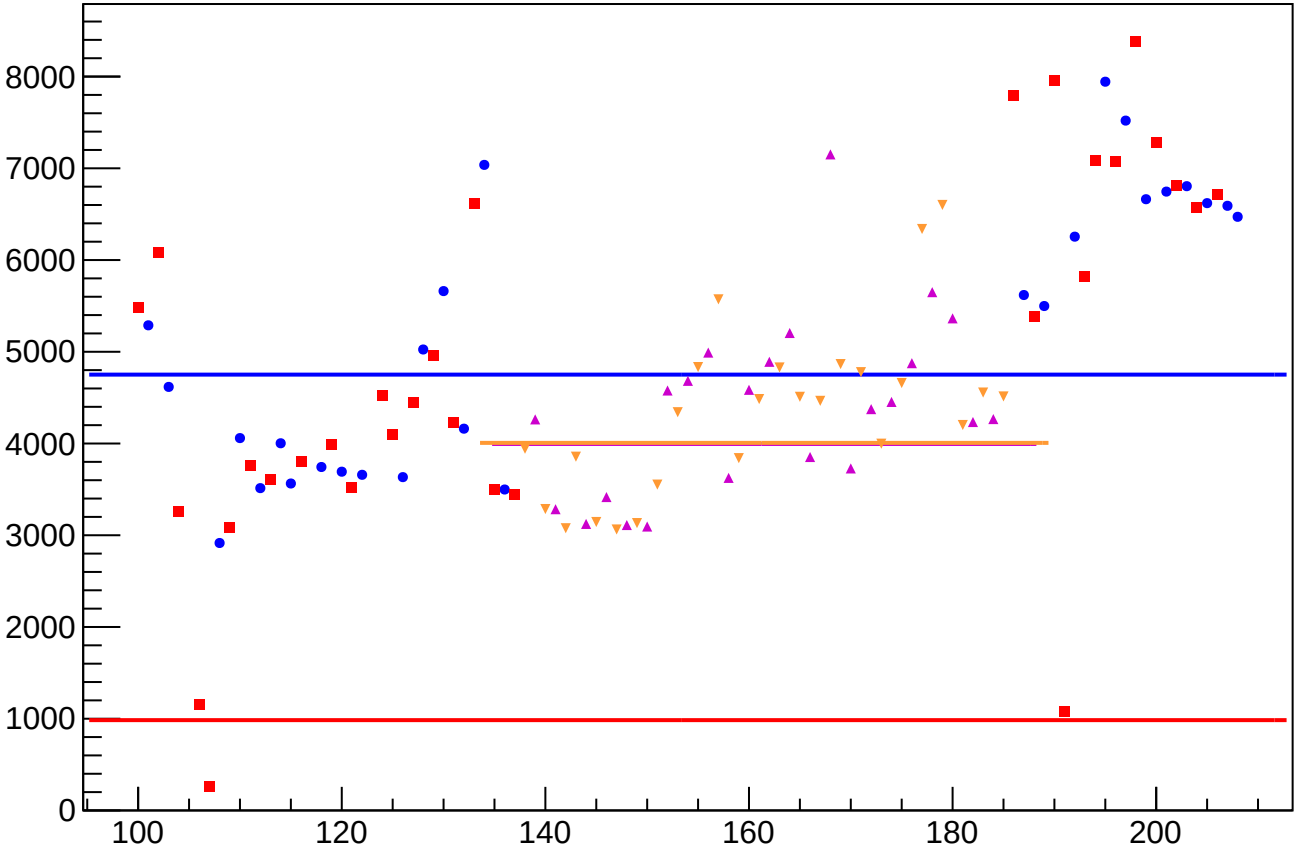
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign -49.269+/-749.487 χ^2/NDF: 56.4/51

All: -146.161+/-376.372 χ^2/NDF: 104.0/105

- sign -178.834+/-435.229 χ^2/NDF: 47.7/53

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4751.036+/-0.886 χ^2/NDF: 2639991.2/26

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 984.555+/-0.346 χ^2/NDF: 23867516.9/30

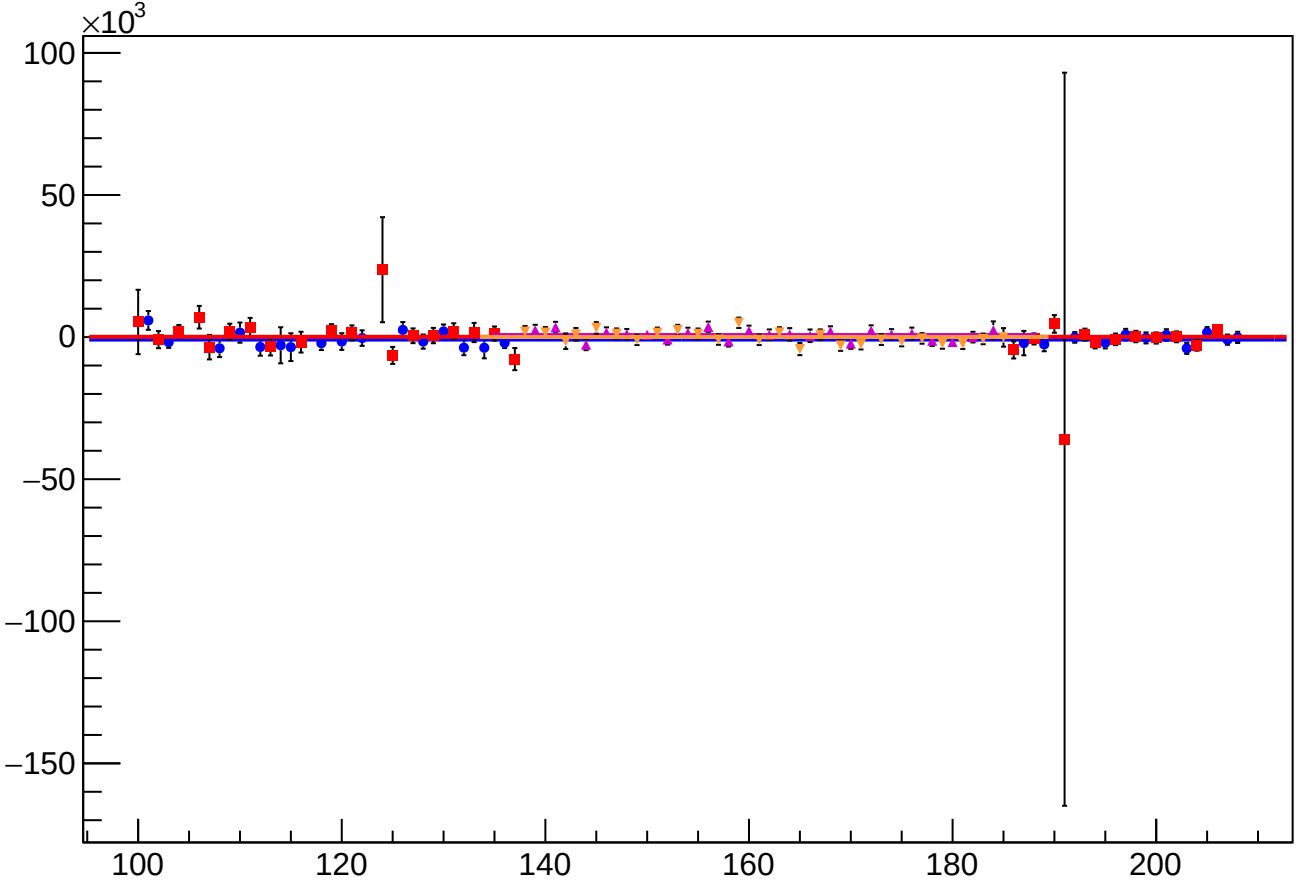
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4273.100+/-0.530 χ^2/NDF: 4596481.8/51

All: 2280.073+/-0.266 χ^2/NDF: 64625946.5/1

- sign 1607.994+/-0.308 χ^2/NDF: 41117829.7/53

cor_asym_atl1r2_dd_mean vs Slug



Right In: -860.910+/-461.414 χ^2/NDF: 19.3/26

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 103.760+/-465.644 χ^2/NDF: 31.5/30

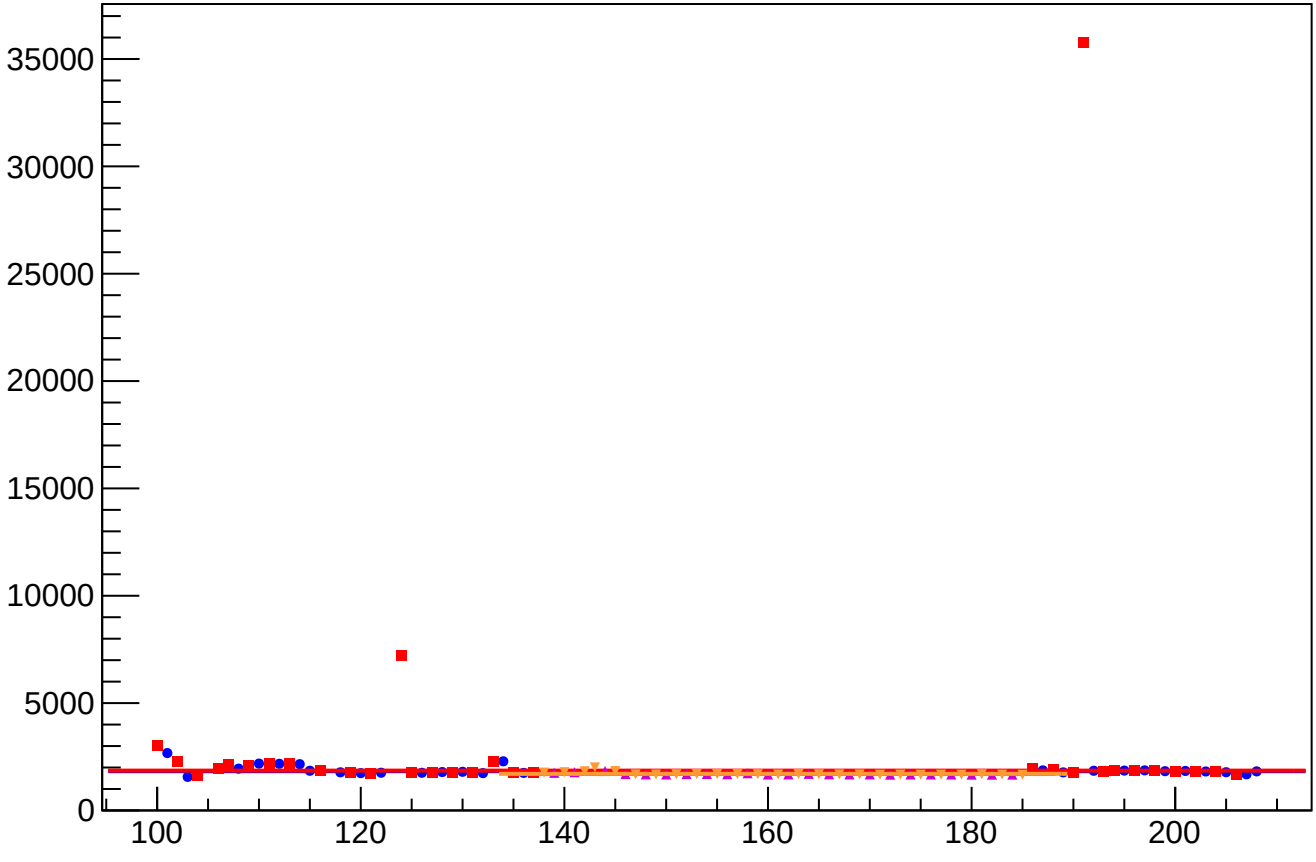
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -342.721+/-296.843 χ^2/NDF: 50.9/51

All: 52.238+/-211.652 χ^2/NDF: 106.1/105

- sign 460.666+/-301.862 χ^2/NDF: 51.6/53

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1828.909+/-0.326 χ^2/NDF: 278931.8/26

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

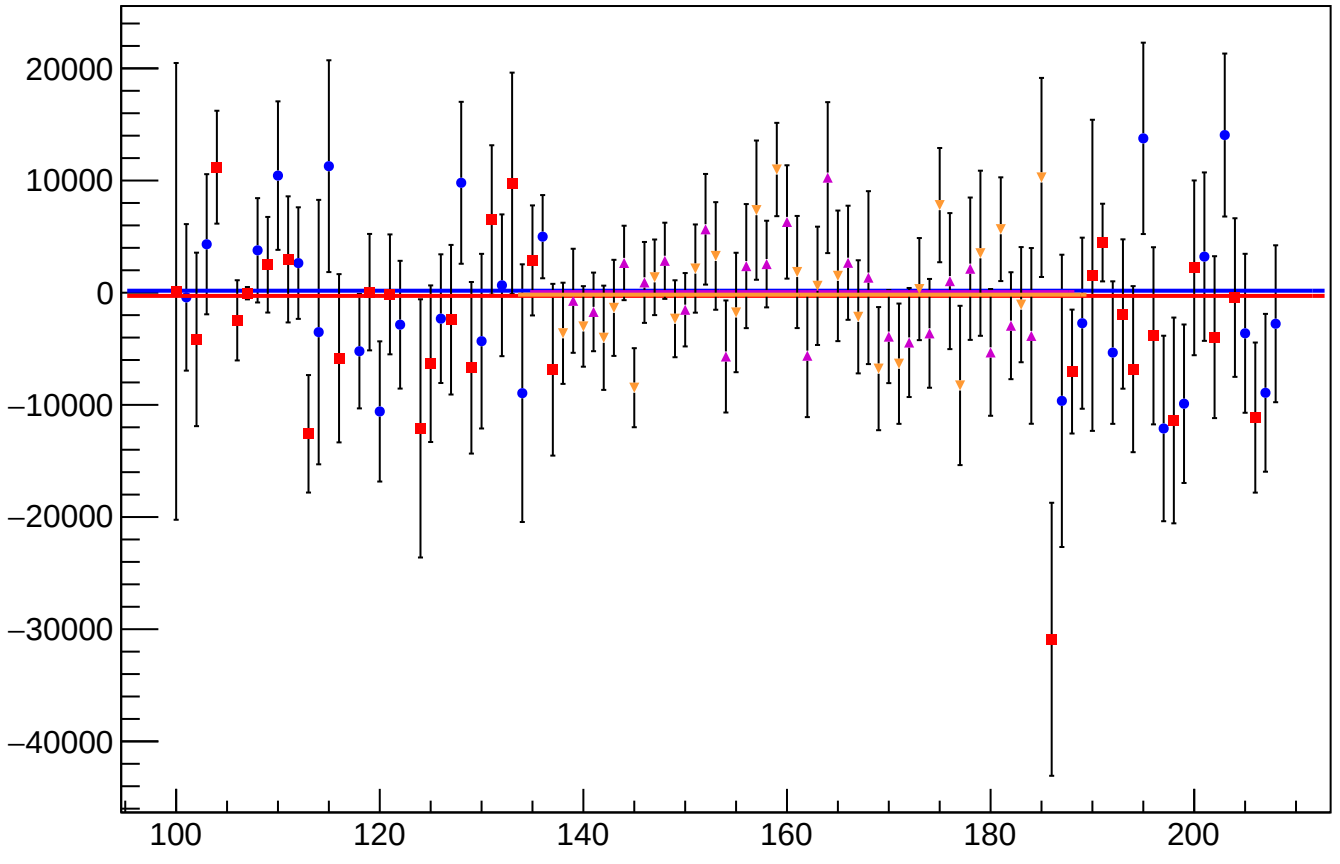
Right Out: 1855.470+/-0.329 χ^2/NDF: 535796.7/30

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1756.655+/-0.210 χ^2/NDF: 422532.9/51

All: 1760.250+/-0.150 χ^2/NDF: 1113637.9/10

- sign 1763.965+/-0.213 χ^2/NDF: 690508.5/53



Right In: 177.898+/-1253.253 χ^2/NDF: 28.4/26

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -284.148+/-494.751 χ^2/NDF: 33.9/30

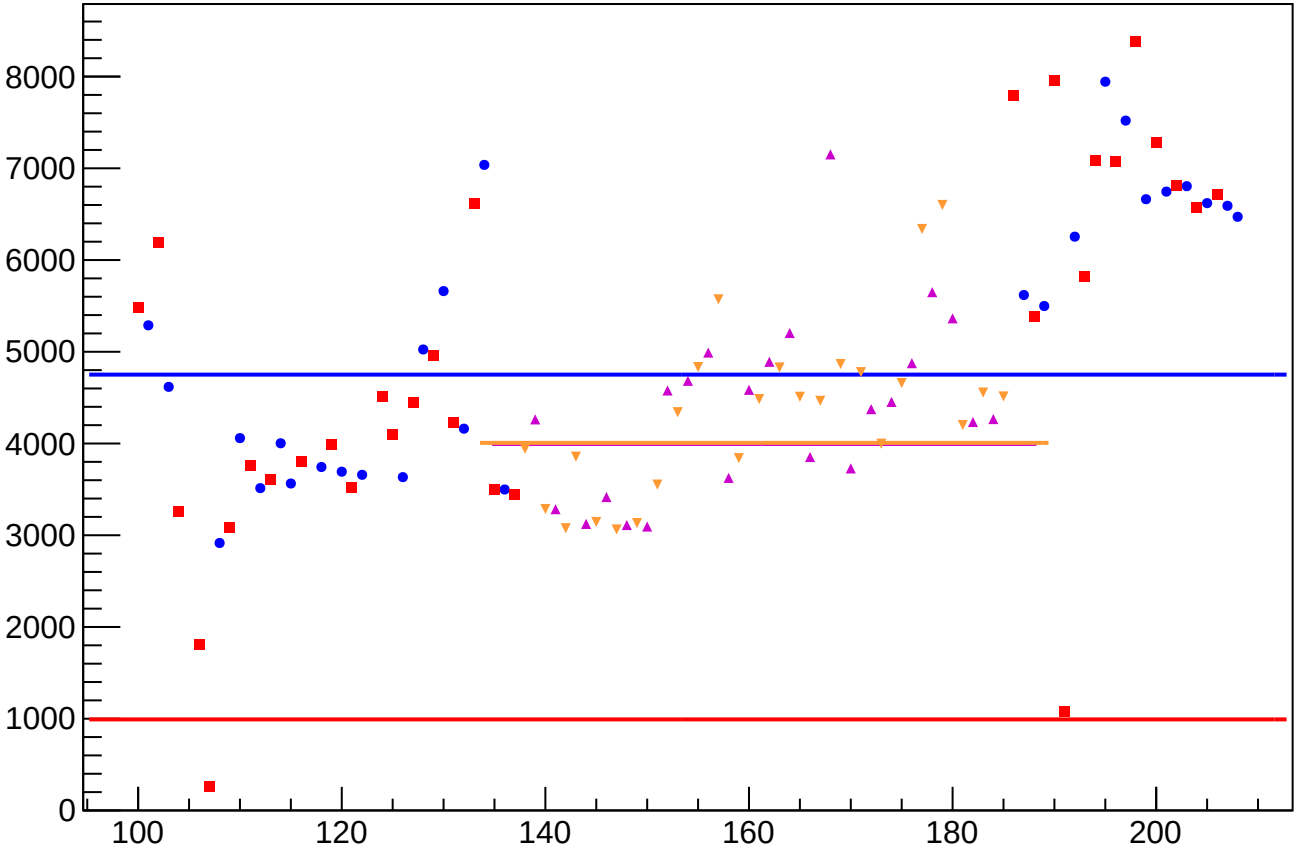
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -49.273+/-749.488 χ^2/NDF: 56.4/51

All: -170.563+/-379.081 χ^2/NDF: 104.7/105

- sign -212.258+/-439.434 χ^2/NDF: 48.3/53

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4751.047+/-0.886 χ^2/NDF: 2640001.1/26

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 992.646+/-0.350 χ^2/NDF: 23974700.7/30

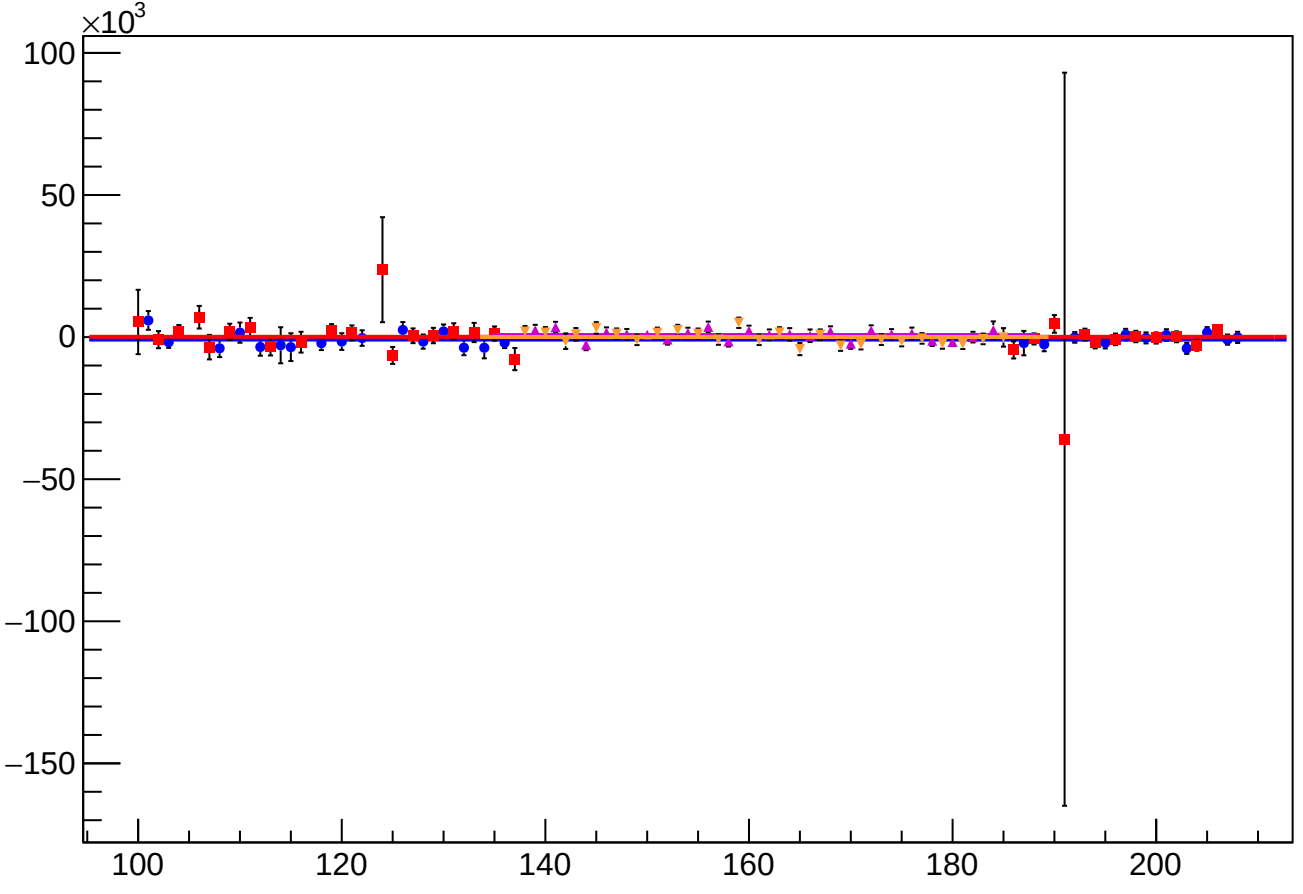
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4273.098+/-0.530 χ^2/NDF: 4596534.2/51

All: 2303.542+/-0.268 χ^2/NDF: 64217179.4/1

- sign 1626.482+/-0.311 χ^2/NDF: 41061400.5/53

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -860.910+/-461.414 χ^2/NDF: 19.3/26

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 103.760+/-465.644 χ^2/NDF: 31.5/30

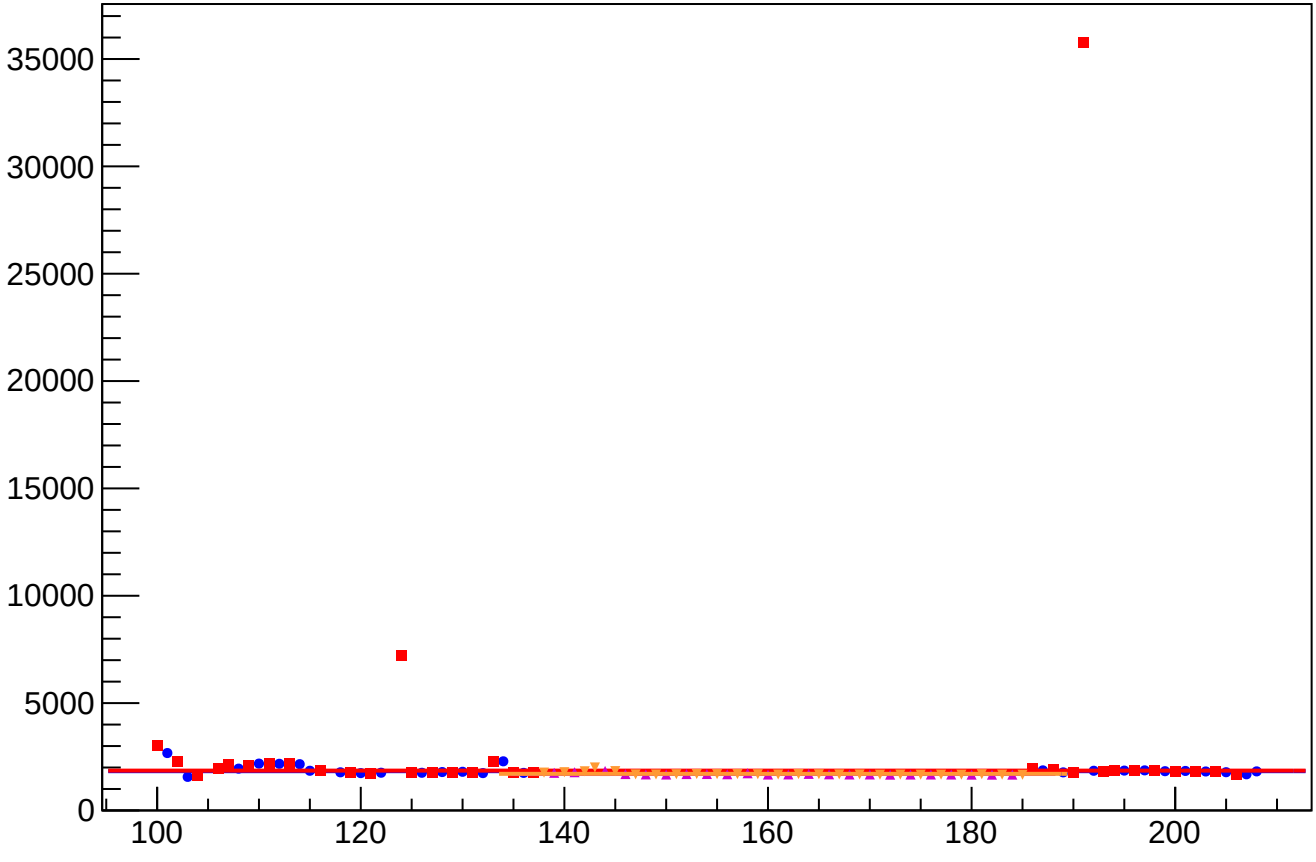
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -342.721+/-296.843 χ^2/NDF: 50.9/51

All: 52.238+/-211.652 χ^2/NDF: 106.1/105

- sign 460.666+/-301.862 χ^2/NDF: 51.6/53

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1828.909+/-0.326 χ^2/NDF: 278931.8/26

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

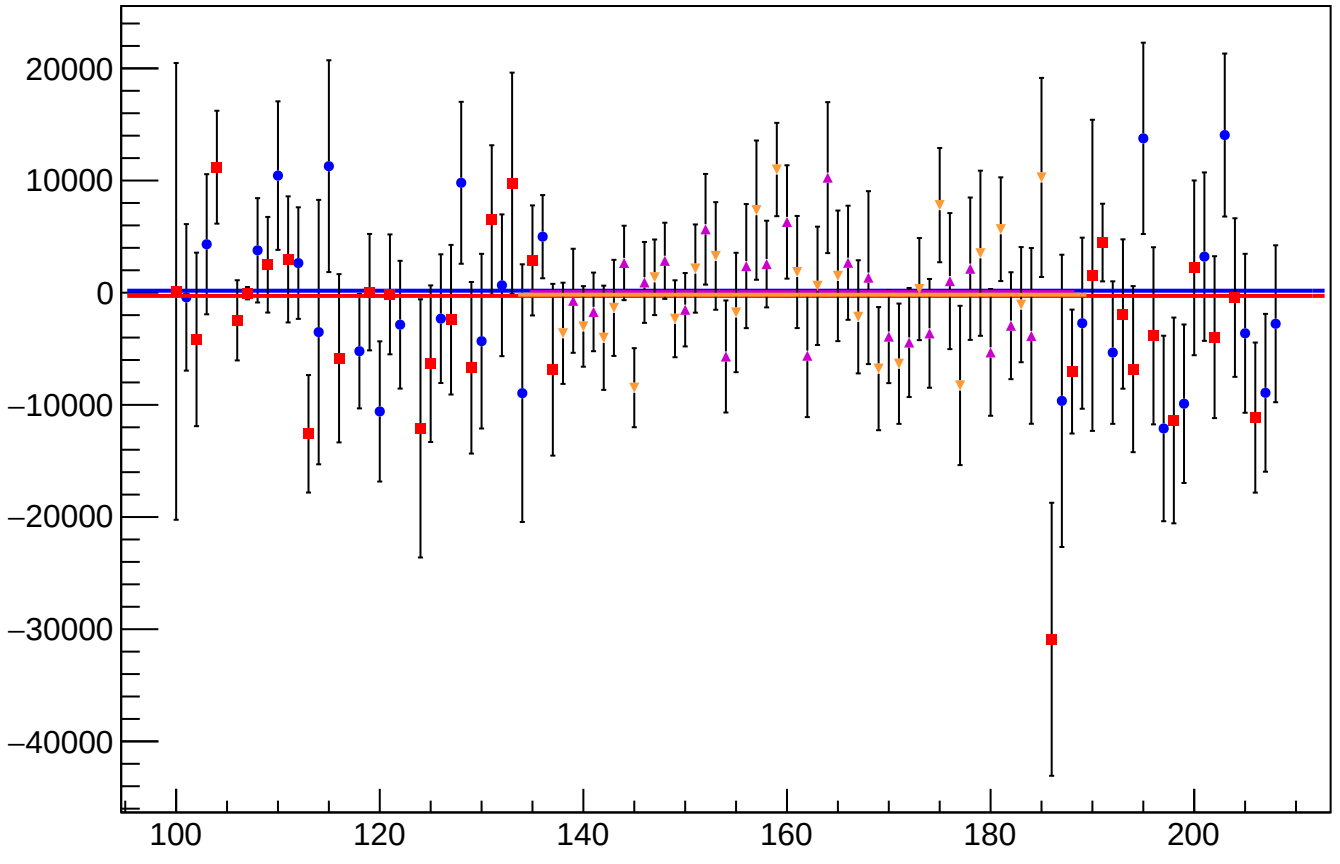
Right Out: 1855.470+/-0.329 χ^2/NDF: 535796.7/30

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1756.655+/-0.210 χ^2/NDF: 422532.9/51

All: 1760.250+/-0.150 χ^2/NDF: 1113637.9/10

- sign 1763.965+/-0.213 χ^2/NDF: 690508.5/53



Right In: 177.898+/-1253.253 χ^2/NDF: 28.4/26

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -284.148+/-494.751 χ^2/NDF: 33.9/30

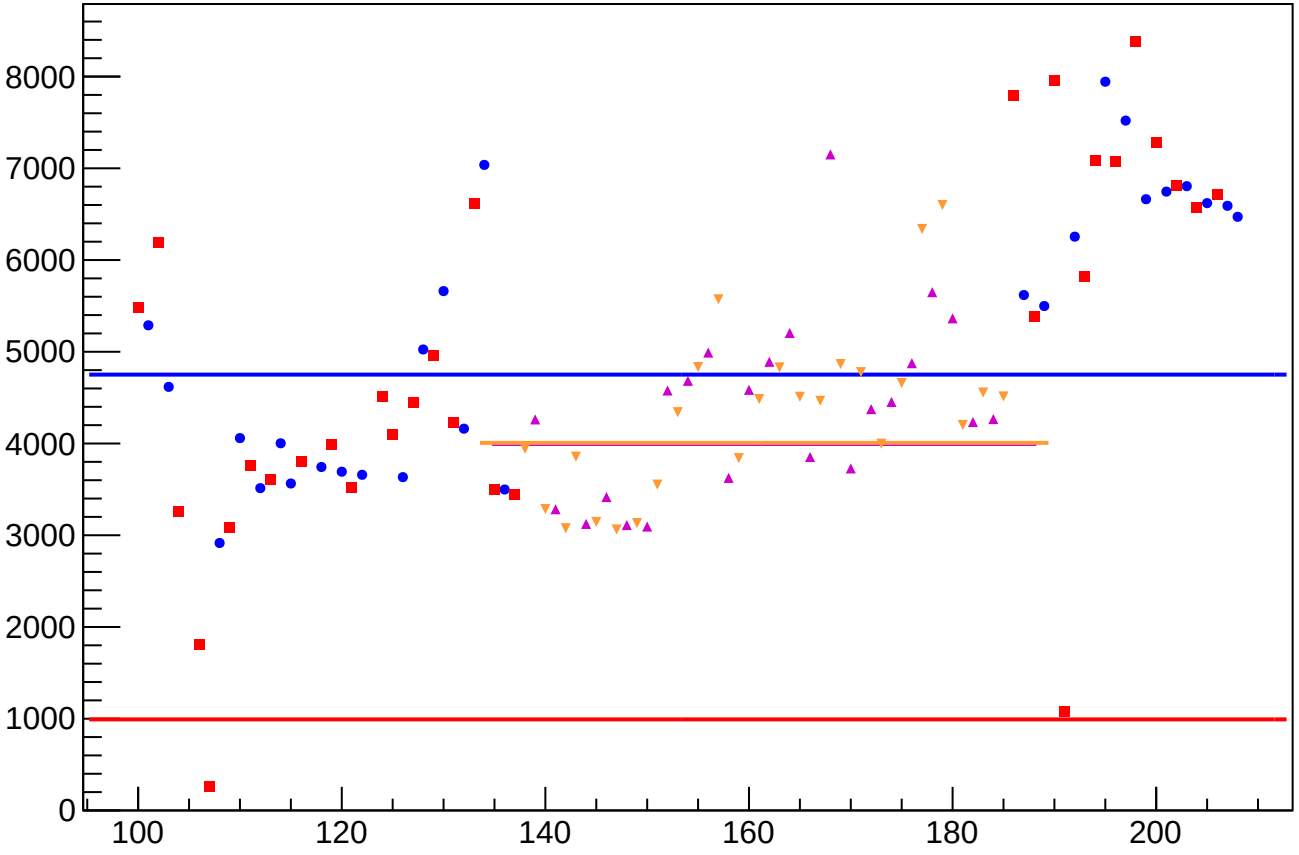
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -49.273+/-749.488 χ^2/NDF: 56.4/51

All: -170.563+/-379.081 χ^2/NDF: 104.7/105

- sign -212.258+/-439.434 χ^2/NDF: 48.3/53

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4751.047+/-0.886 χ^2/NDF: 2640001.1/26

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 992.646+/-0.350 χ^2/NDF: 23974700.7/30

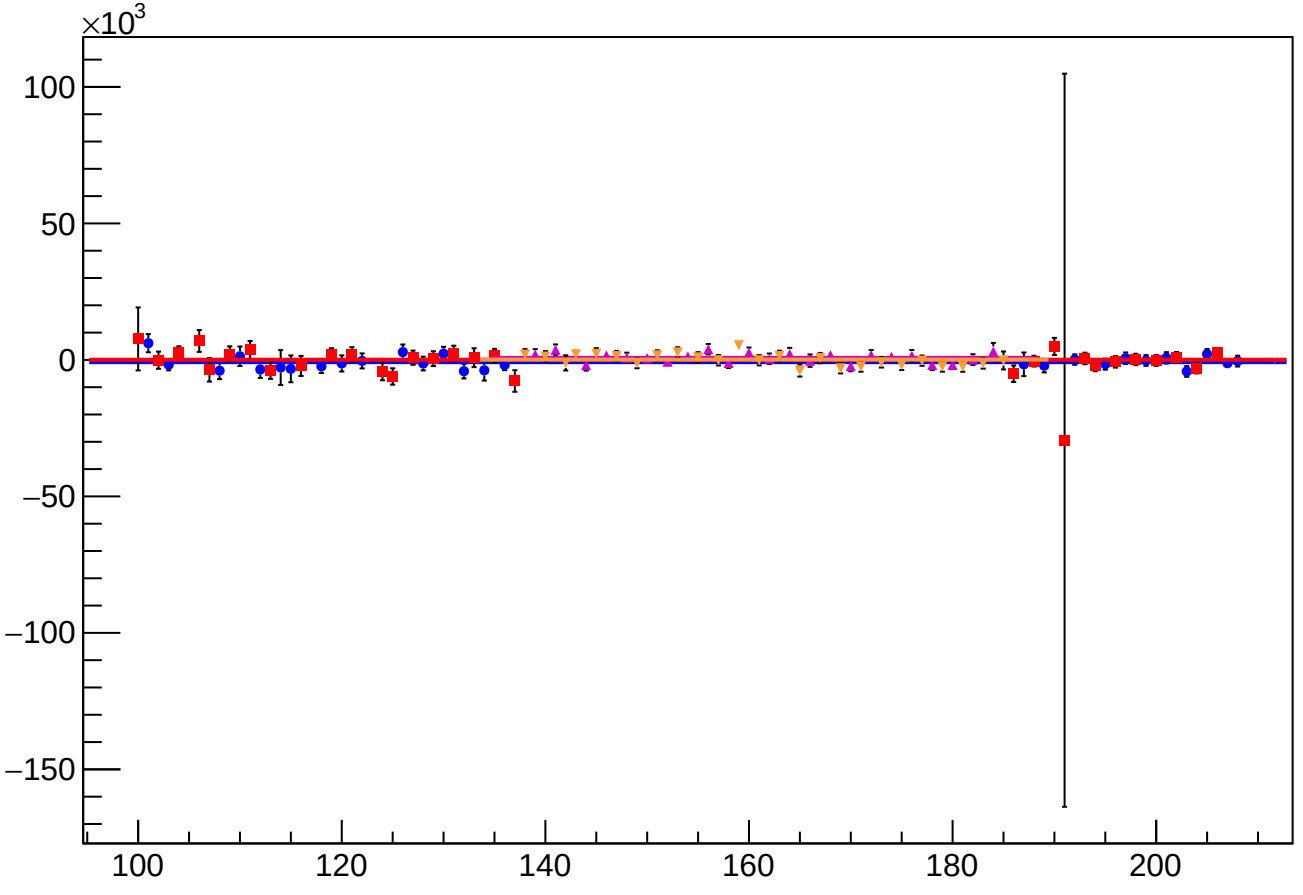
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4273.098+/-0.530 χ^2/NDF: 4596534.2/51

All: 2303.542+/-0.268 χ^2/NDF: 64217179.4/1

- sign 1626.482+/-0.311 χ^2/NDF: 41061400.5/53

dit_asym_atl1r2_dd_mean vs Slug



Right In: -822.330+/-466.371 χ^2/NDF: 20.5/26

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 65.673+/-467.431 χ^2/NDF: 32.7/30

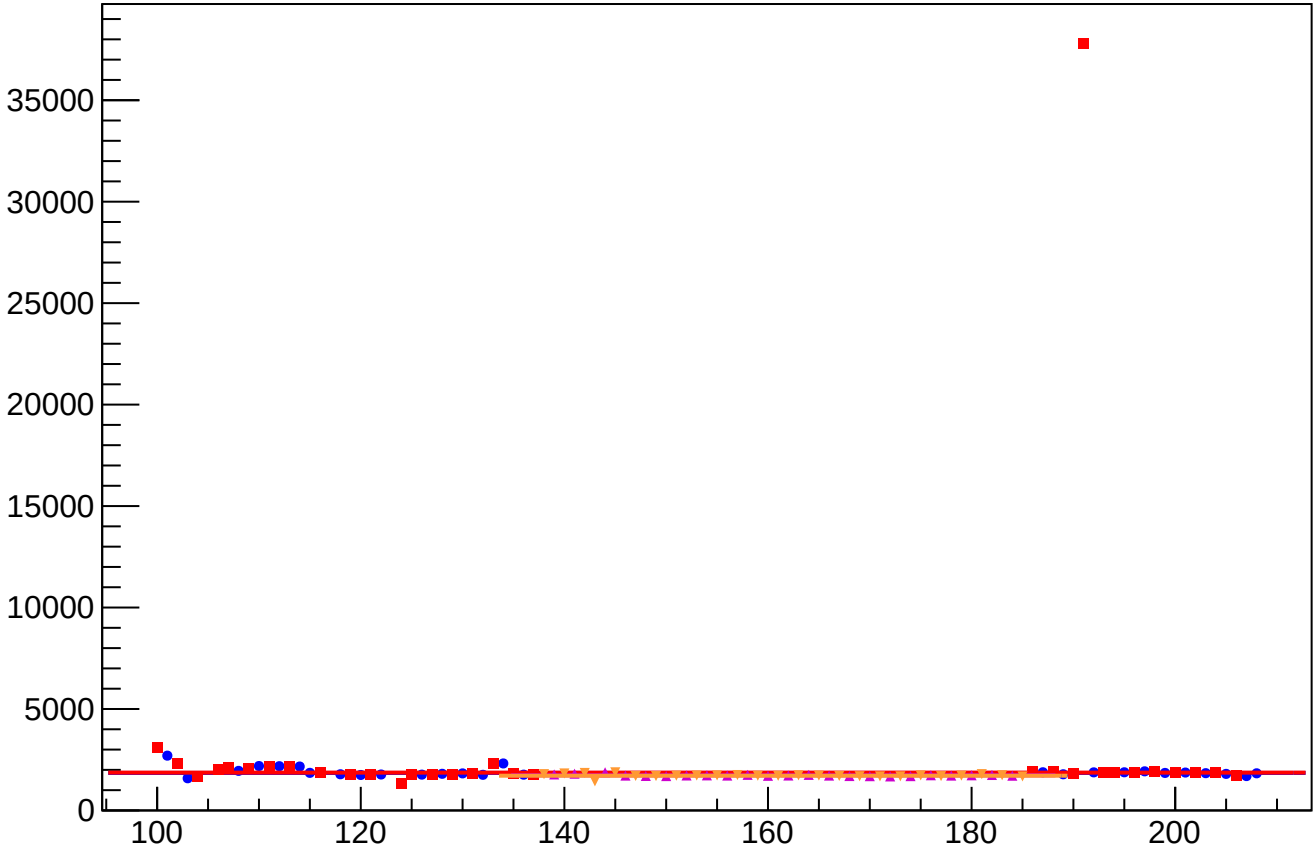
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -267.181+/-298.933 χ^2/NDF: 52.6/51

All: 84.434+/-213.739 χ^2/NDF: 108.4/105

- sign 452.211+/-305.726 χ^2/NDF: 52.9/53

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1848.326+/-0.330 χ^2/NDF: 279064.2/26

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1864.353+/-0.330 χ^2/NDF: 430128.9/30

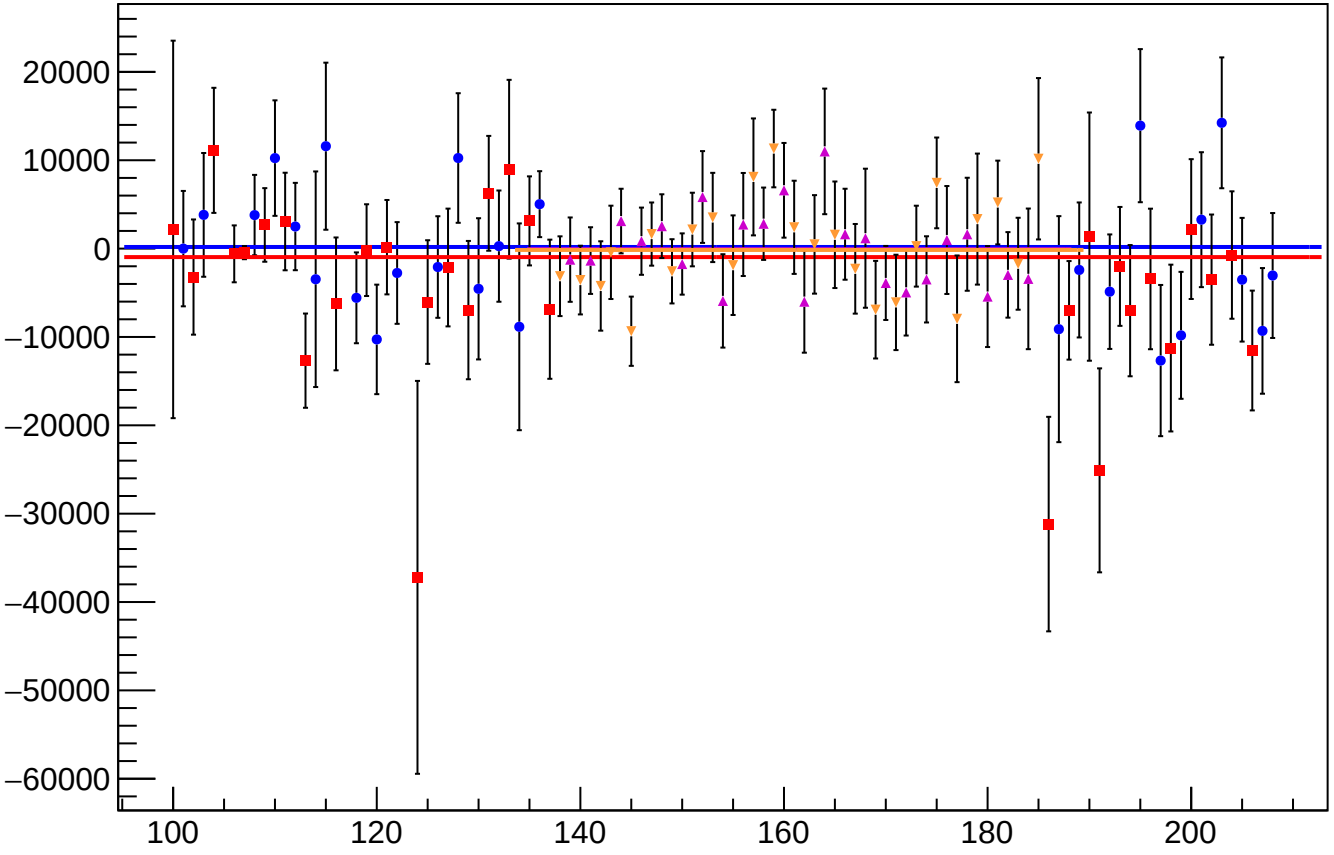
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1768.192+/-0.211 χ^2/NDF: 473687.7/51

All: 1777.726+/-0.151 χ^2/NDF: 1025159.5/10

- sign 1787.695+/-0.216 χ^2/NDF: 547310.4/53

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 184.241+/-1263.604 χ^2/NDF: 28.1/26

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -960.380+/-632.429 χ^2/NDF: 33.9/30

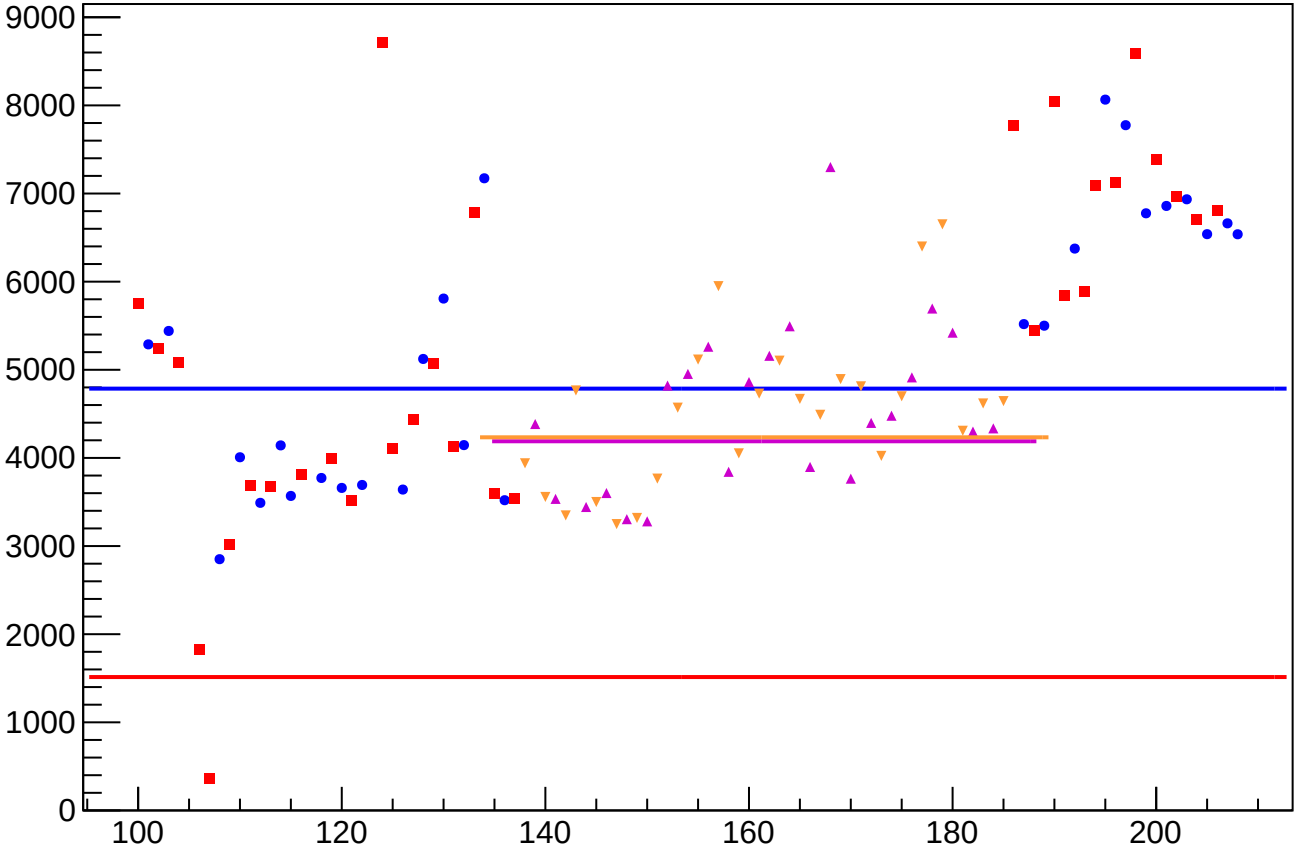
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign -23.773+/-776.849 χ^2/NDF: 55.0/51

All: -485.882+/-440.353 χ^2/NDF: 104.0/105

- sign -704.660+/-534.523 χ^2/NDF: 48.5/53

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4786.221+/-0.894 χ^2/NDF: 2793236.3/26

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

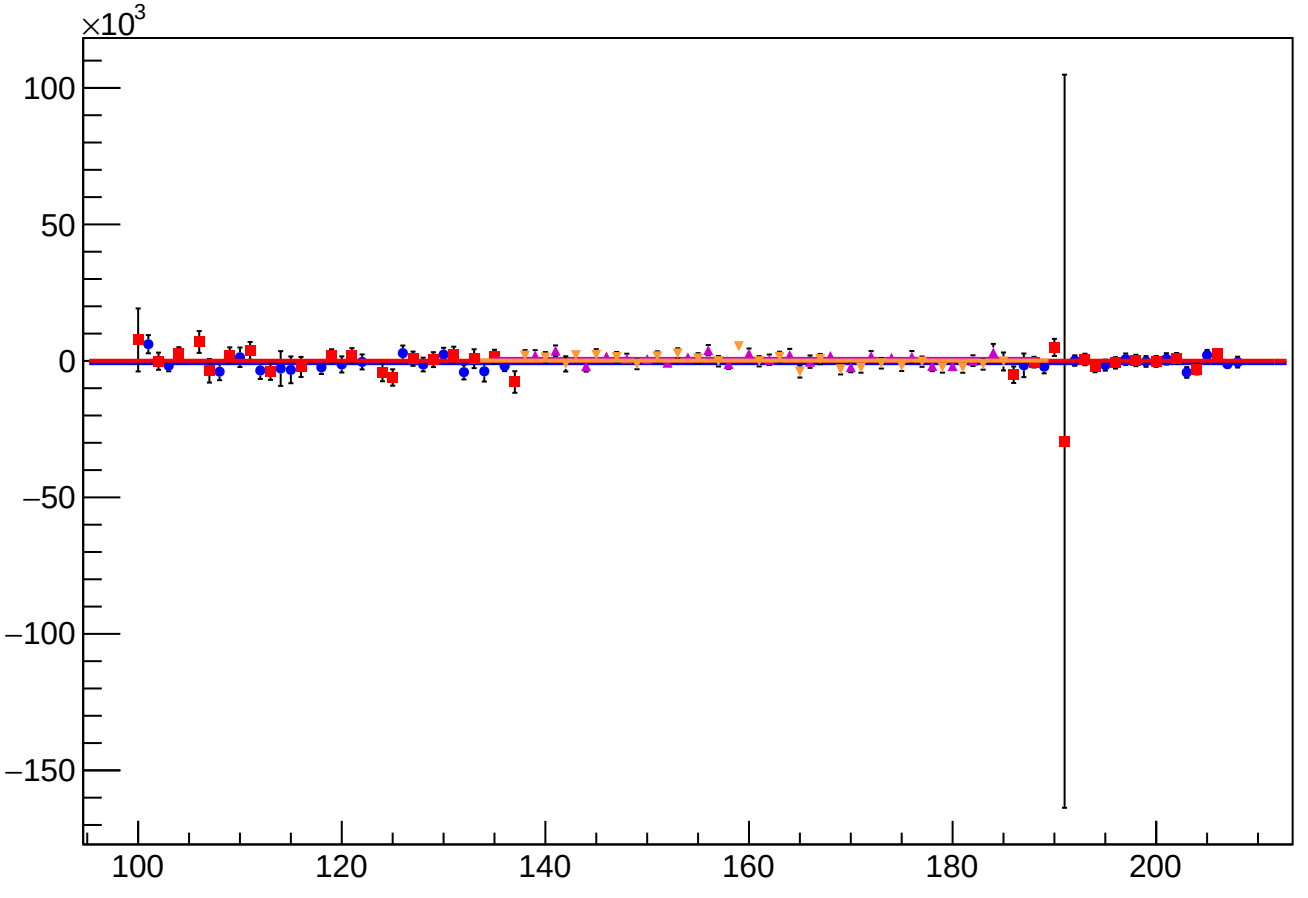
Right Out: 1513.665+/-0.447 χ^2/NDF: 21224213.4/30

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4442.661+/-0.549 χ^2/NDF: 4315702.6/51

All: 2973.431+/-0.311 χ^2/NDF: 47647754.8/1

- sign 2277.849+/-0.378 χ^2/NDF: 32791421.2/53



Right In: -822.331+/-466.371 χ^2/NDF: 20.5/26

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 65.673+/-467.431 χ^2/NDF: 32.7/30

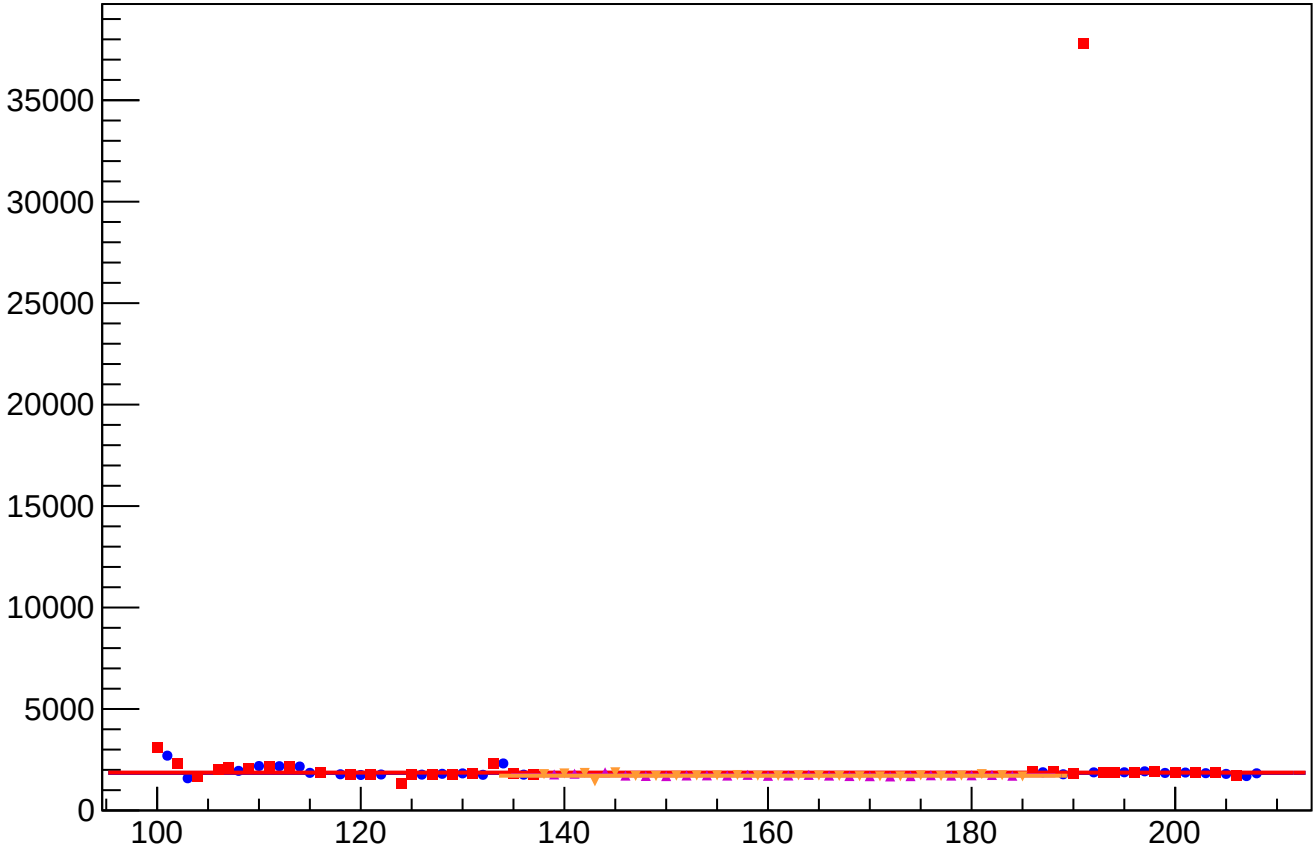
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -267.179+/-298.933 χ^2/NDF: 52.6/51

All: 84.435+/-213.739 χ^2/NDF: 108.4/105

- sign 452.211+/-305.726 χ^2/NDF: 52.9/53

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1848.326+/-0.330 χ^2/NDF: 279064.0/26

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

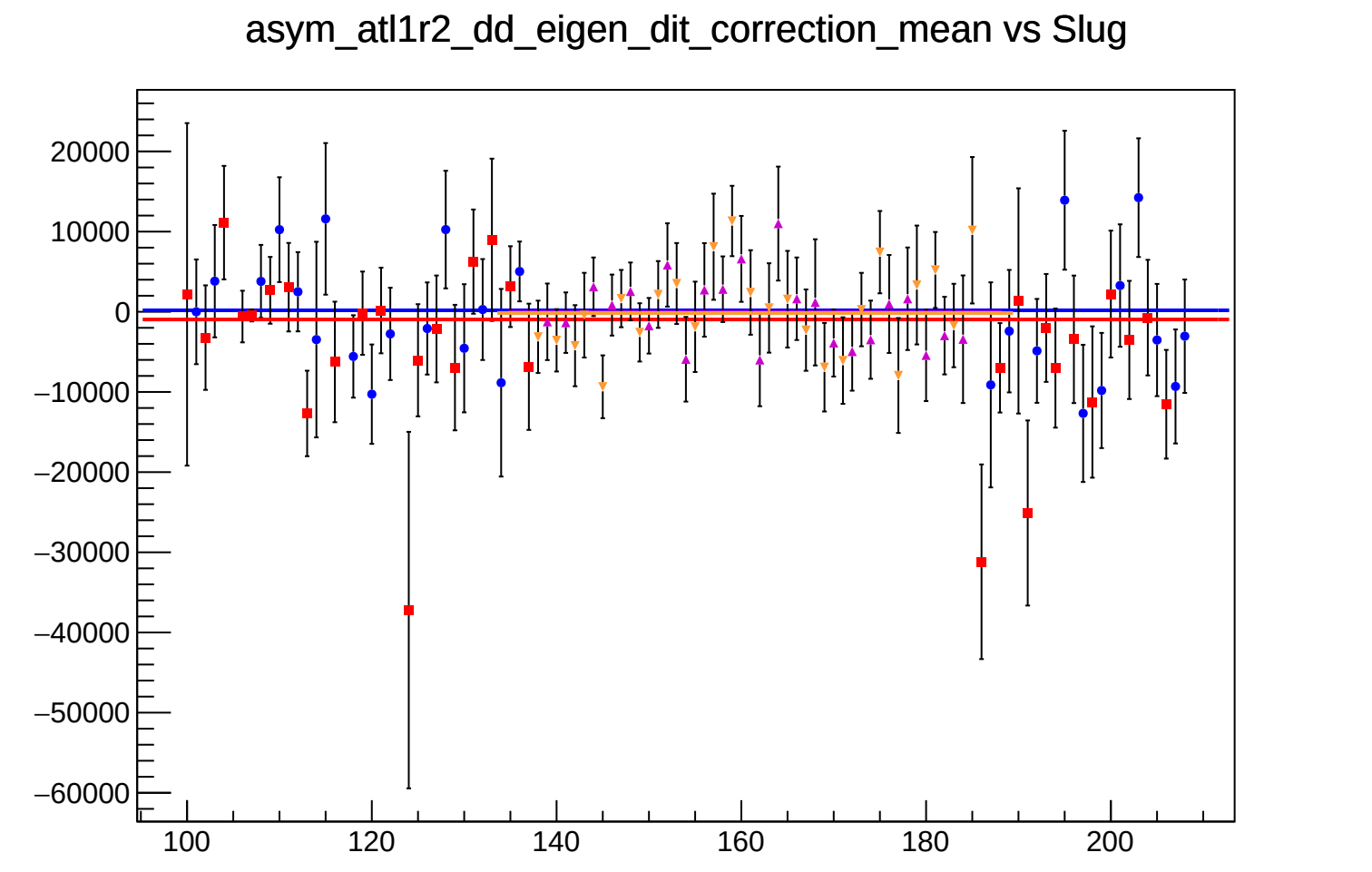
Right Out: 1864.353+/-0.330 χ^2/NDF: 430129.2/30

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1768.192+/-0.211 χ^2/NDF: 473685.7/51

All: 1777.726+/-0.151 χ^2/NDF: 1025157.3/10

- sign 1787.695+/-0.216 χ^2/NDF: 547310.1/53



Right In: 184.231+/-1263.603 χ^2/NDF: 28.1/26

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -960.401+/-632.439 χ^2/NDF: 33.9/30

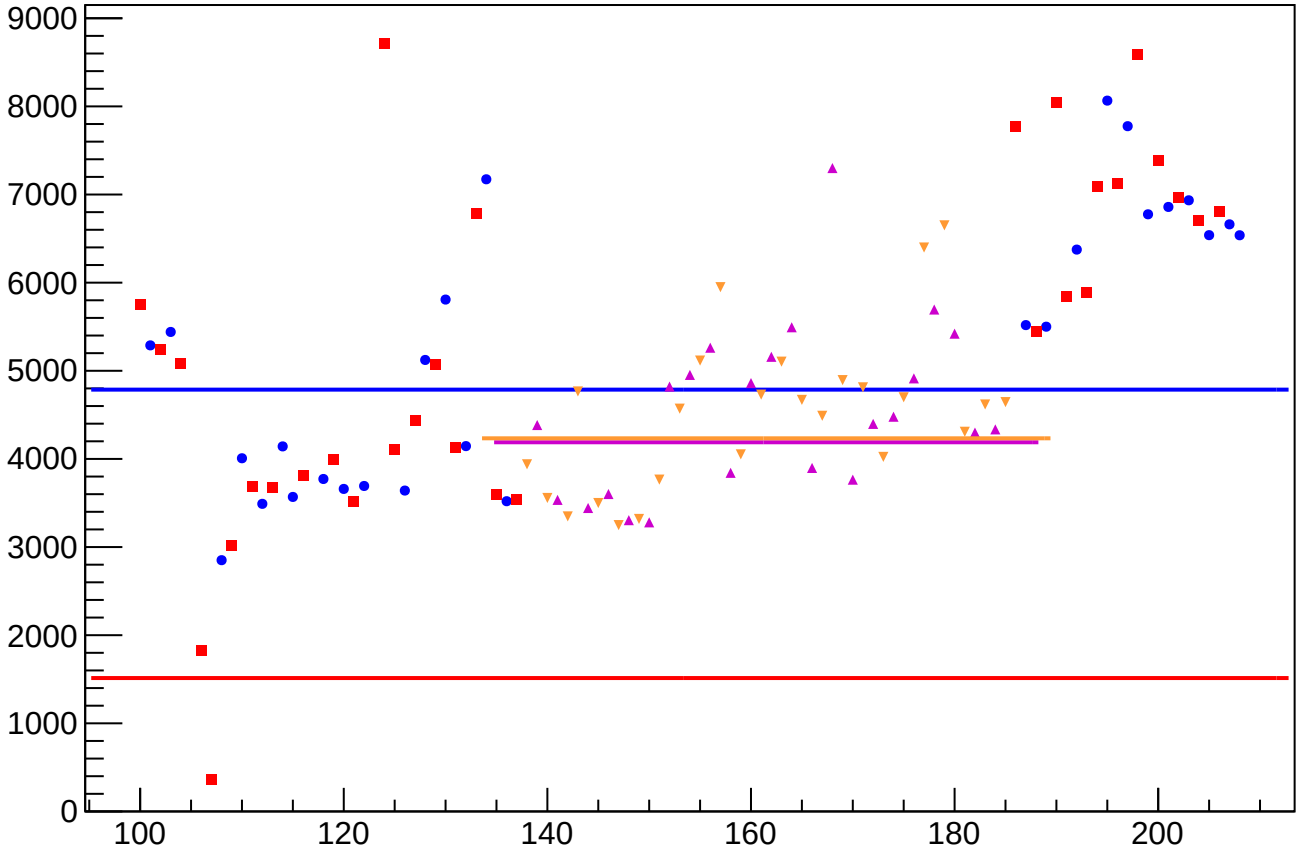
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign -23.777+/-776.850 χ^2/NDF: 55.0/51

All: -485.887+/-440.356 χ^2/NDF: 104.0/105

- sign -704.670+/-534.529 χ^2/NDF: 48.5/53

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4786.216+/-0.894 χ^2/NDF: 2793256.0/26

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1513.707+/-0.447 χ^2/NDF: 21223938.0/30

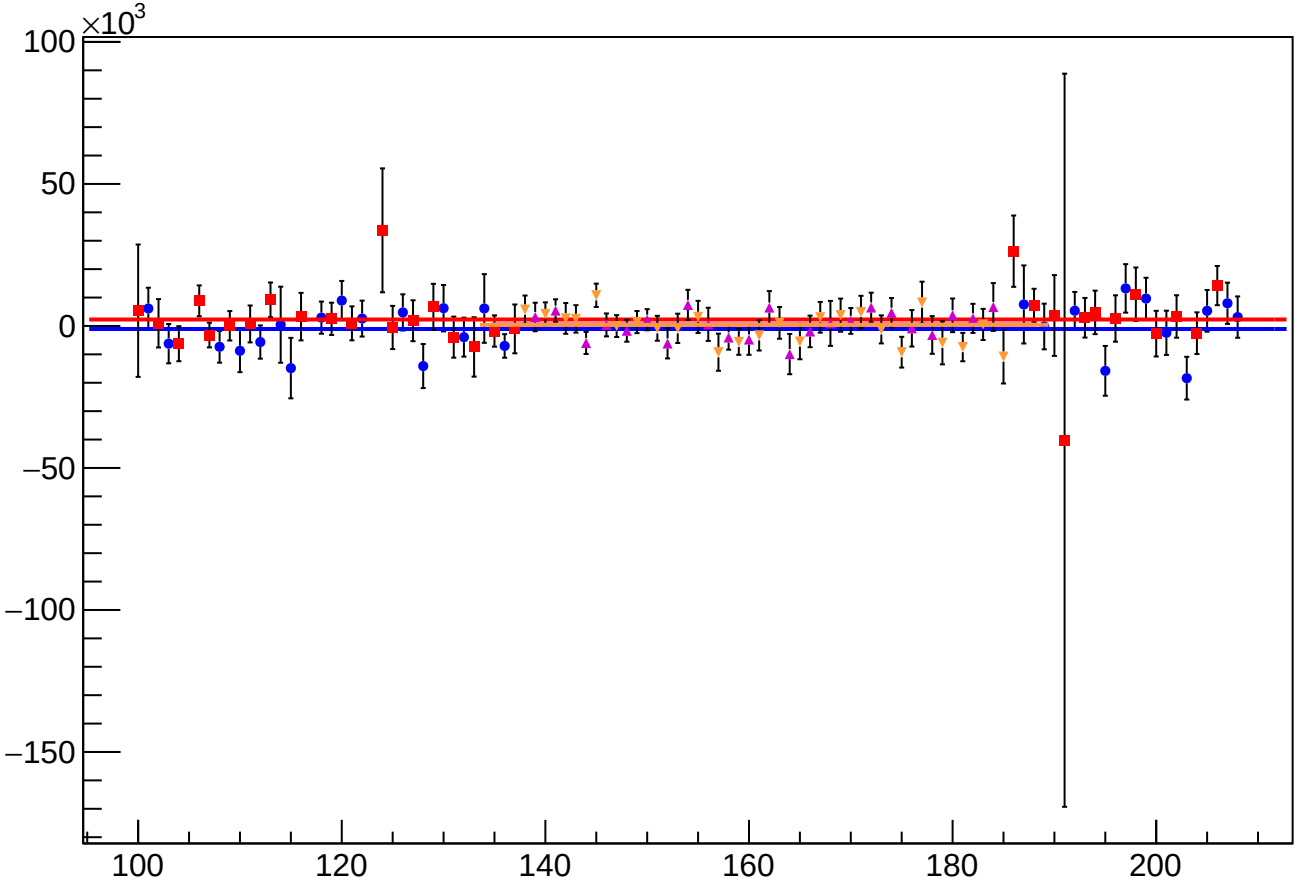
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4442.664+/-0.549 χ^2/NDF: 4315715.4/51

All: 2973.474+/-0.311 χ^2/NDF: 47646603.9/1

- sign 2277.895+/-0.378 χ^2/NDF: 32790770.2/53

asym_atl1r2_dd_mean vs Slug



Right In: -1072.829+/-1371.258 χ^2/NDF: 33.2/26

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 2273.181+/-1296.461 χ^2/NDF: 20.7/30

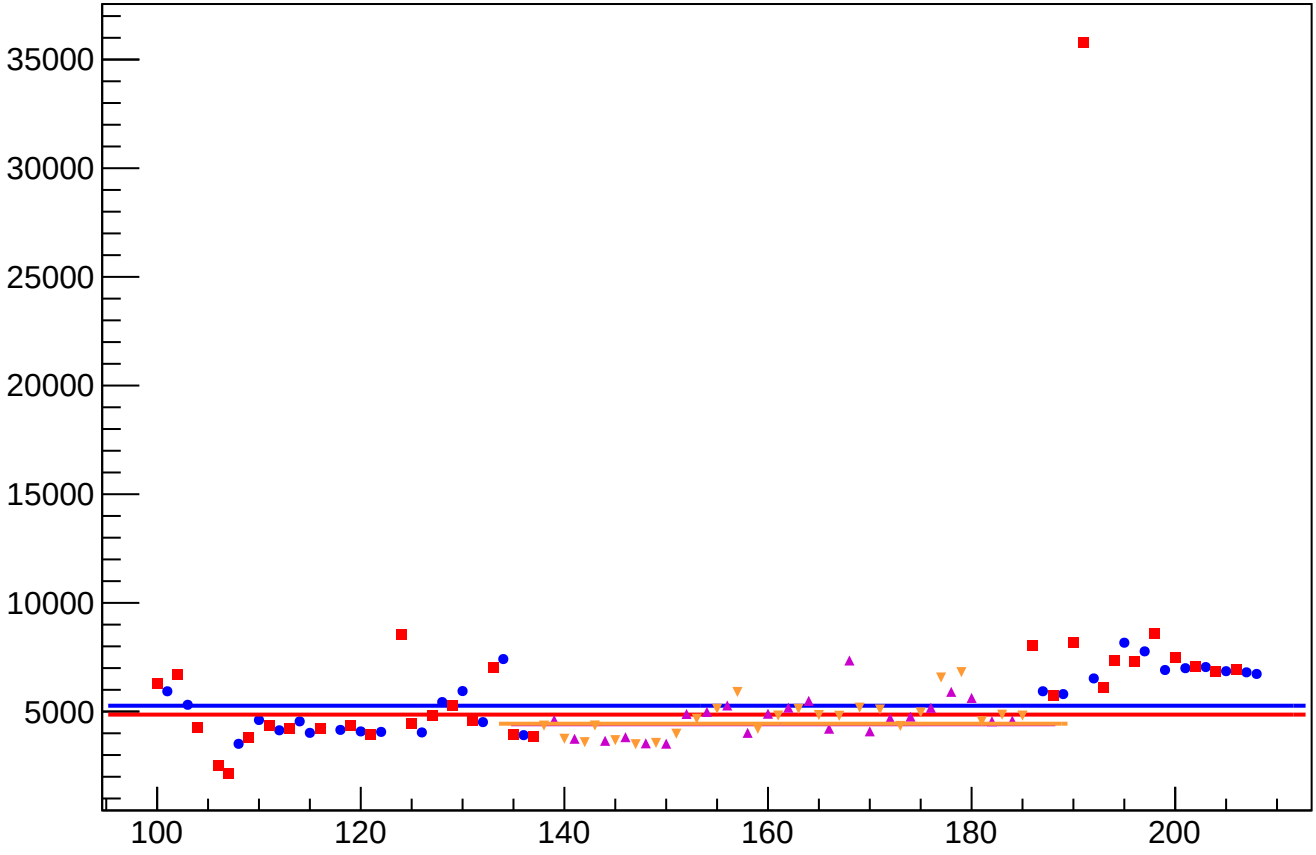
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -131.275+/-822.748 χ^2/NDF: 58.7/51

All: 541.982+/-579.302 χ^2/NDF: 99.2/105

- sign 1203.931+/-815.809 χ^2/NDF: 39.2/53

asym_atl1r2_dd_rms vs Slug



Right In: 5268.573+/-0.970 χ^2/NDF: 1984261.1/26

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4859.581+/-0.910 χ^2/NDF: 3680248.6/30

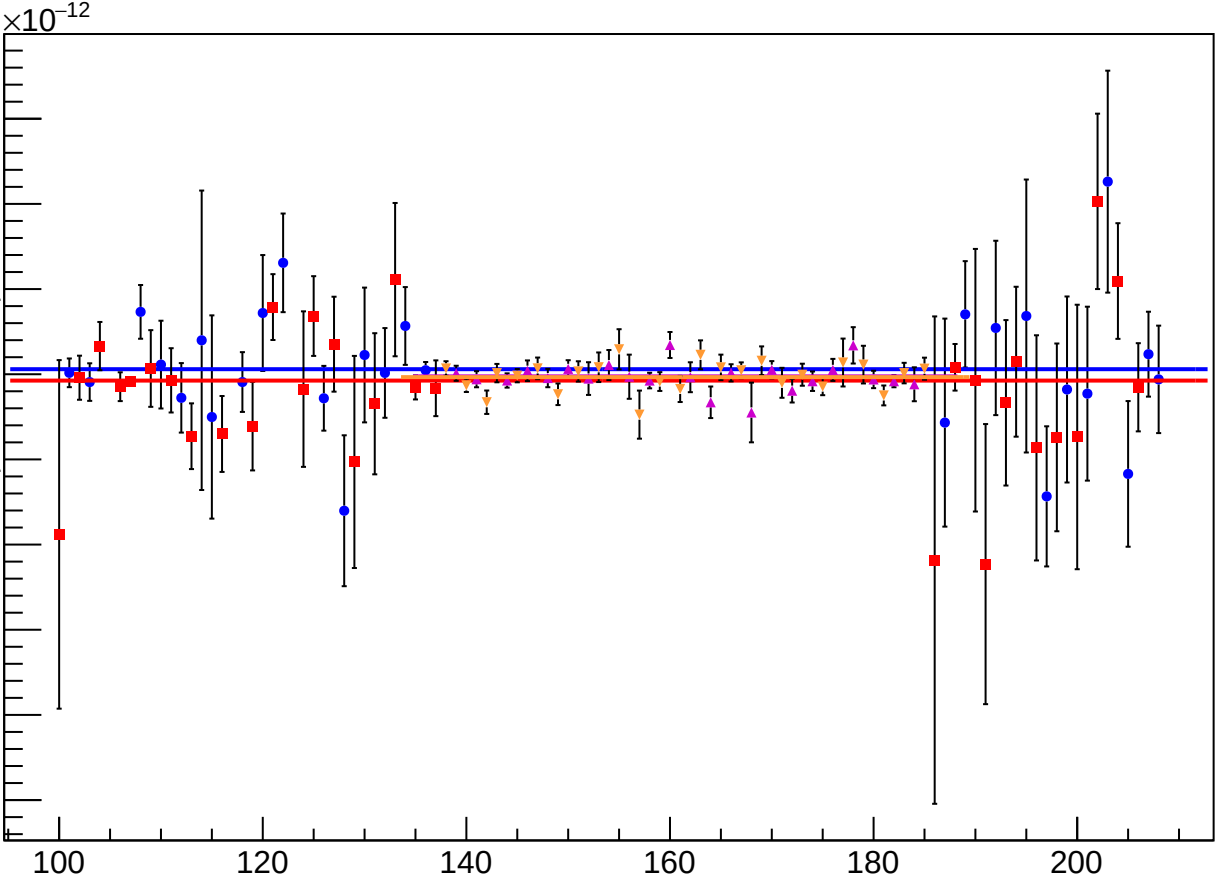
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4738.800+/-0.582 χ^2/NDF: 3523811.4/51

All: 4664.955+/-0.409 χ^2/NDF: 8490367.2/10

- sign 4592.755+/-0.575 χ^2/NDF: 4934691.5/53

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 27.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.9/30

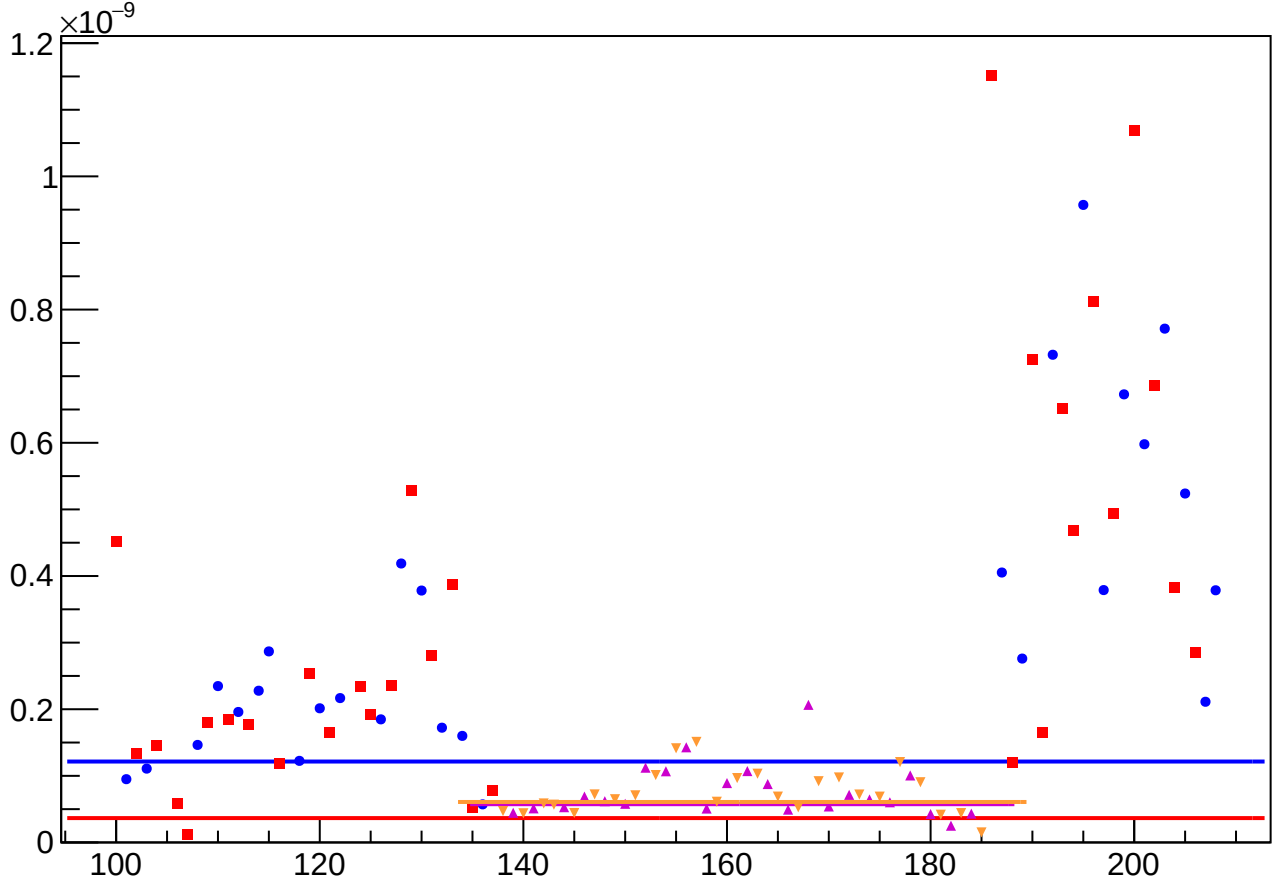
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.9/51

All: -0.000+/-0.000 χ^2/NDF: 109.9/105

- sign -0.000+/-0.000 χ^2/NDF: 51.6/53

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5734831.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10328673.7/30

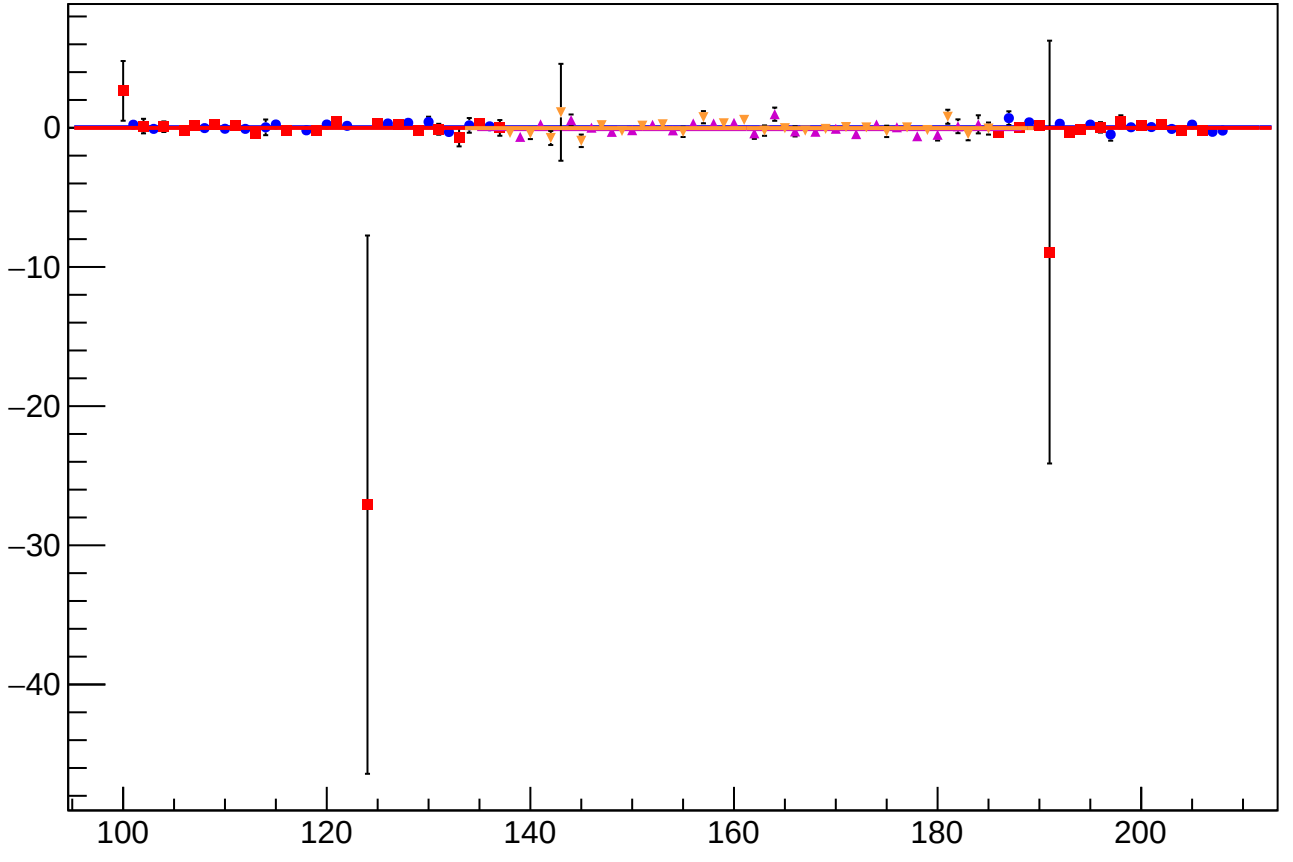
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8957517.0/51

All: 0.000+/-0.000 χ^2/NDF: 22413798.9/105

- sign 0.000+/-0.000 χ^2/NDF: 12726171.5/53

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.043+/-0.051 χ^2/NDF: 19.9/26

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.008+/-0.047 χ^2/NDF: 29.5/30

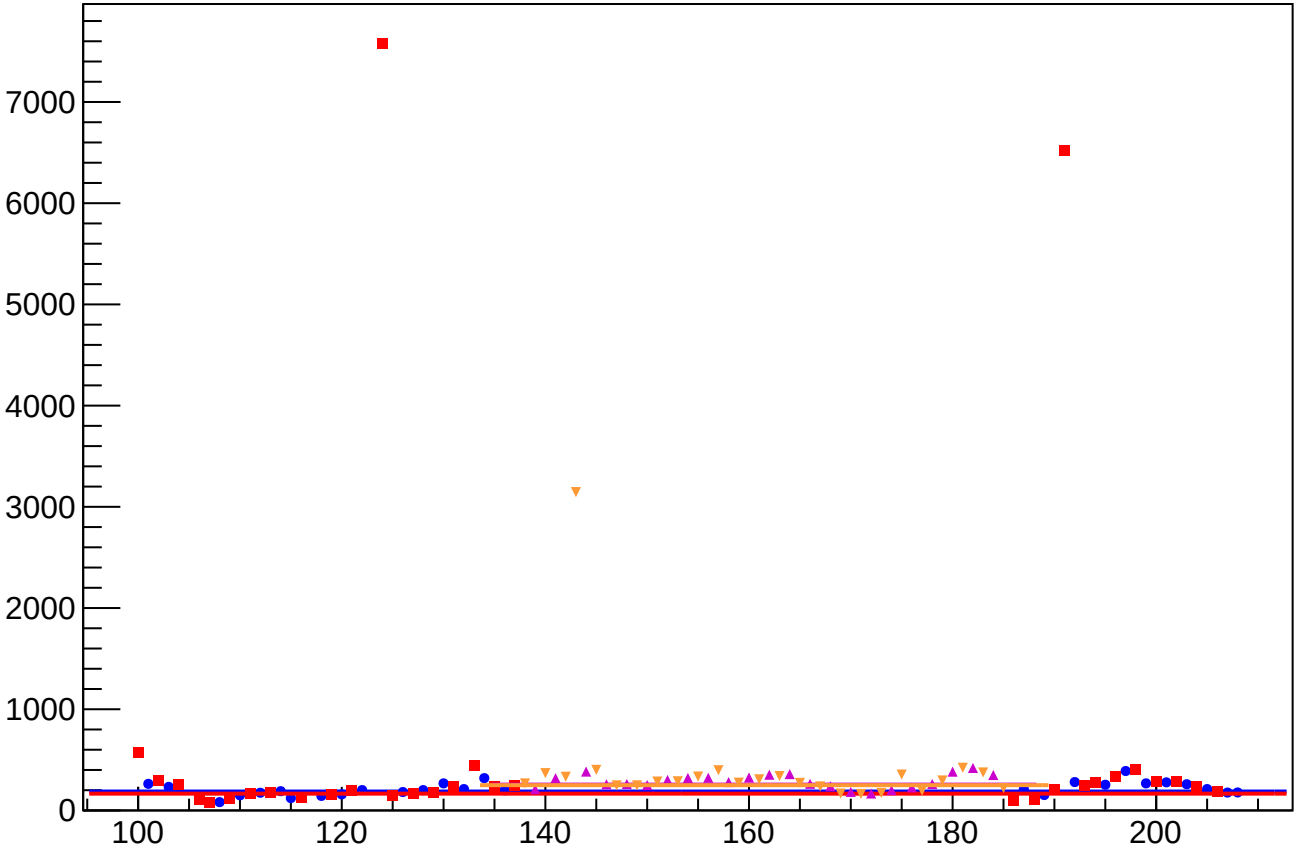
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.016+/-0.039 χ^2/NDF: 44.2/51

All: -0.012+/-0.027 χ^2/NDF: 107.4/105

- sign -0.039+/-0.038 χ^2/NDF: 62.2/53

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 187.054+/-0.036 χ^2/NDF: 2967674.7/26

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 166.084+/-0.033 χ^2/NDF: 5300289.1/30

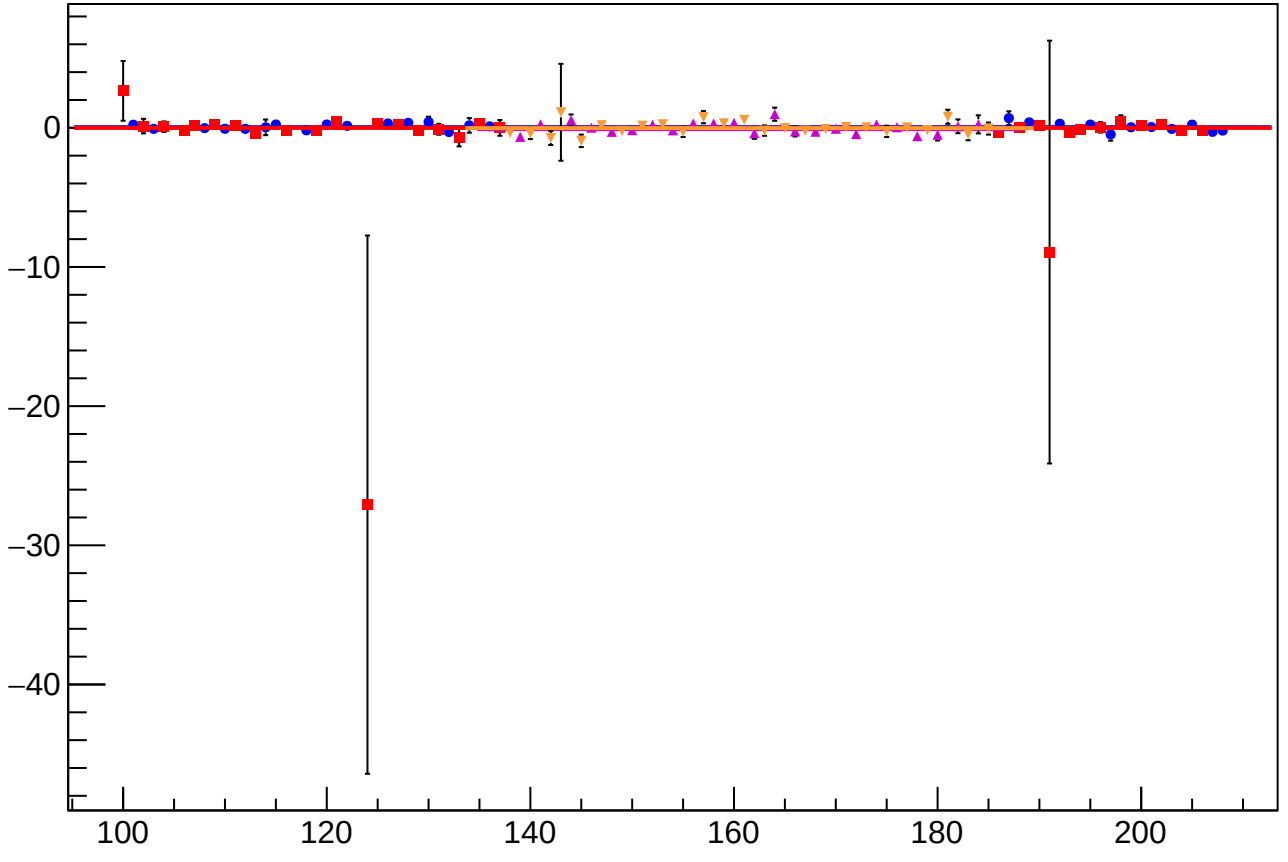
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 212.423+/-0.028 χ^2/NDF: 8440093.0/51

All: 204.903+/-0.019 χ^2/NDF: 18571795.8/10

- sign 197.953+/-0.027 χ^2/NDF: 9989825.1/53

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043+/-0.051 χ^2/NDF: 19.9/26

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.008+/-0.047 χ^2/NDF: 29.5/30

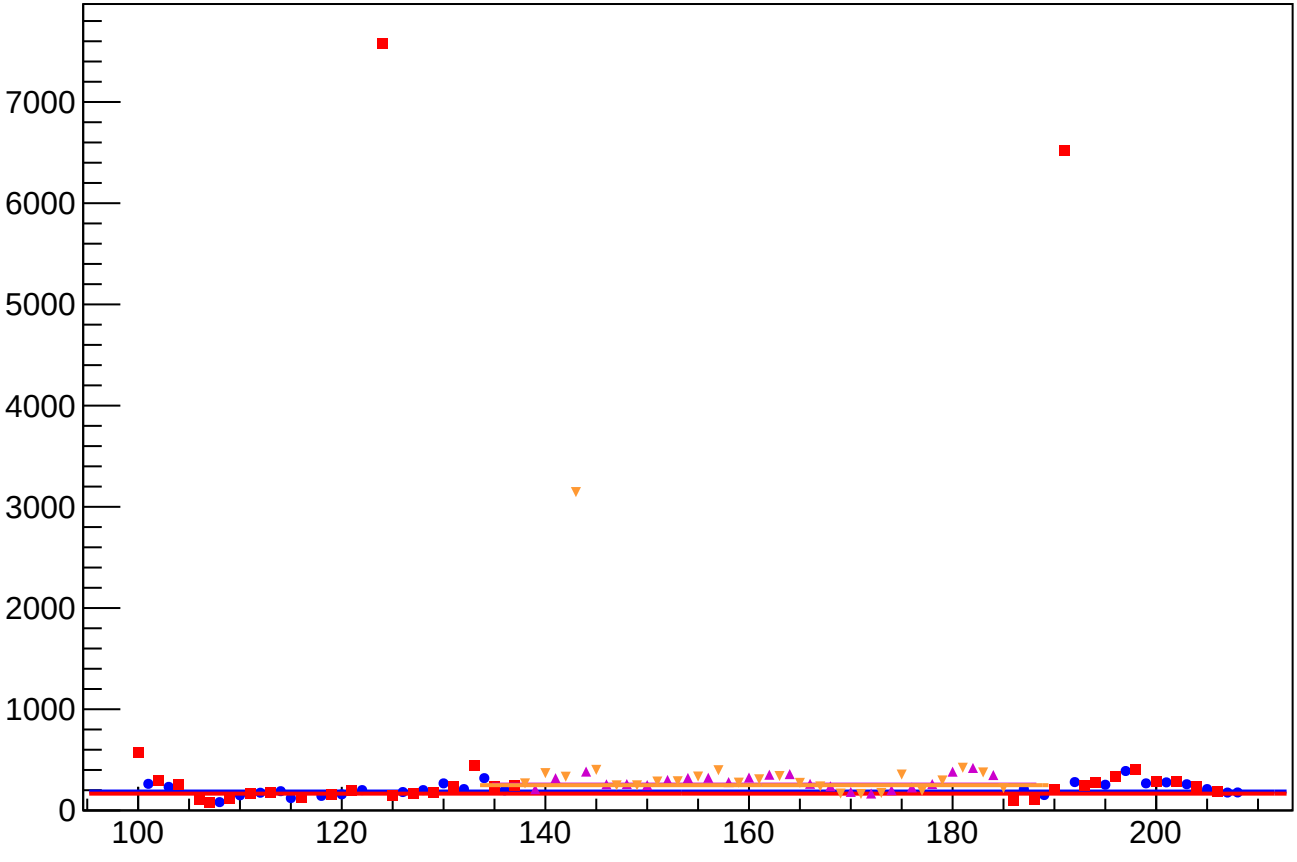
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.016+/-0.039 χ^2/NDF: 44.2/51

All: -0.012+/-0.027 χ^2/NDF: 107.4/105

- sign -0.039+/-0.038 χ^2/NDF: 62.2/53

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 187.054+/-0.036 χ^2/NDF: 2967674.7/26

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 166.084+/-0.033 χ^2/NDF: 5300289.1/30

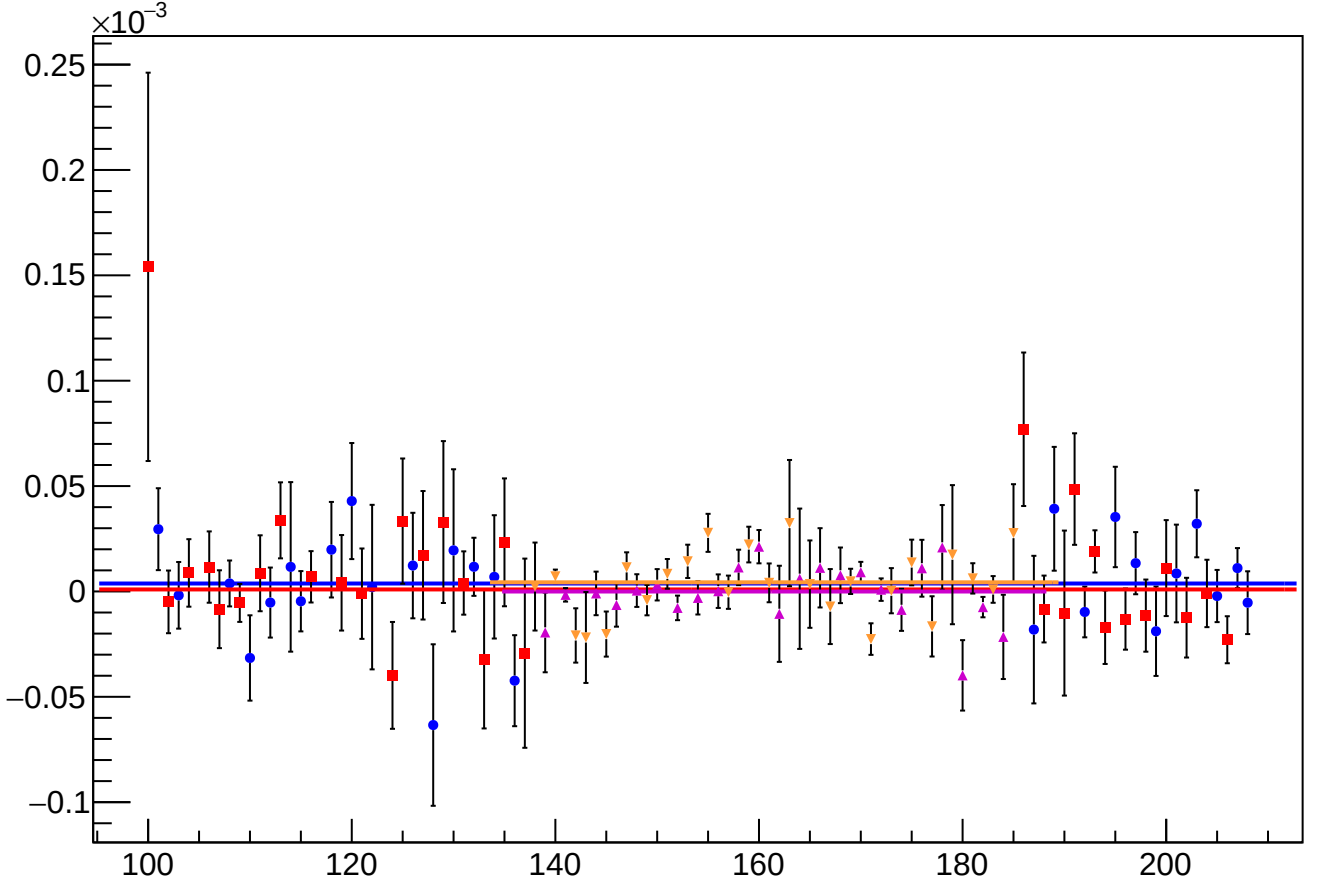
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 212.423+/-0.028 χ^2/NDF: 8440093.0/51

All: 204.903+/-0.019 χ^2/NDF: 18571795.8/10

- sign 197.953+/-0.027 χ^2/NDF: 9989825.1/53

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/30

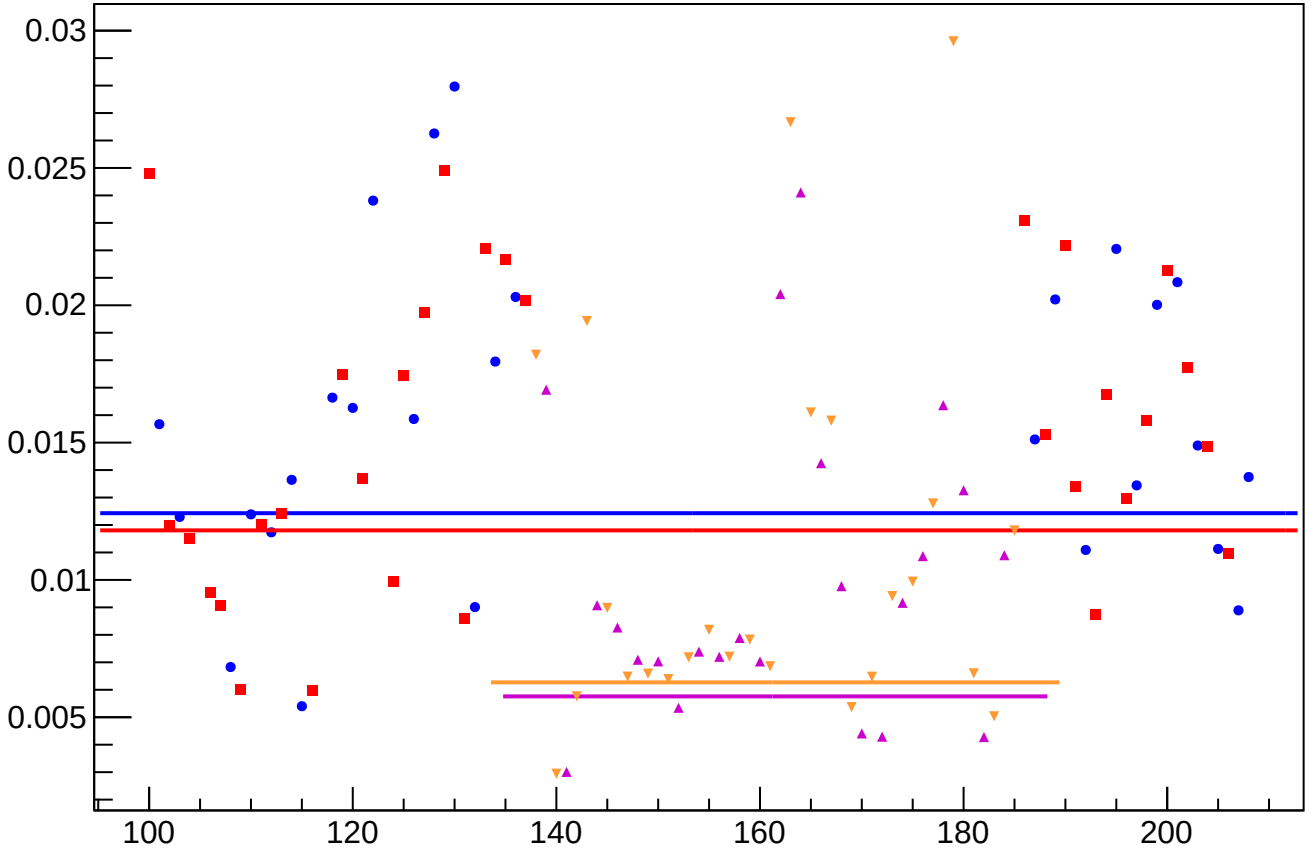
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.3/51

All: 0.000+/-0.000 χ^2/NDF: 140.3/105

- sign 0.000+/-0.000 χ^2/NDF: 63.1/53

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 3830237.7/26

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.012+/-0.000 χ^2/NDF: 4097935.9/30

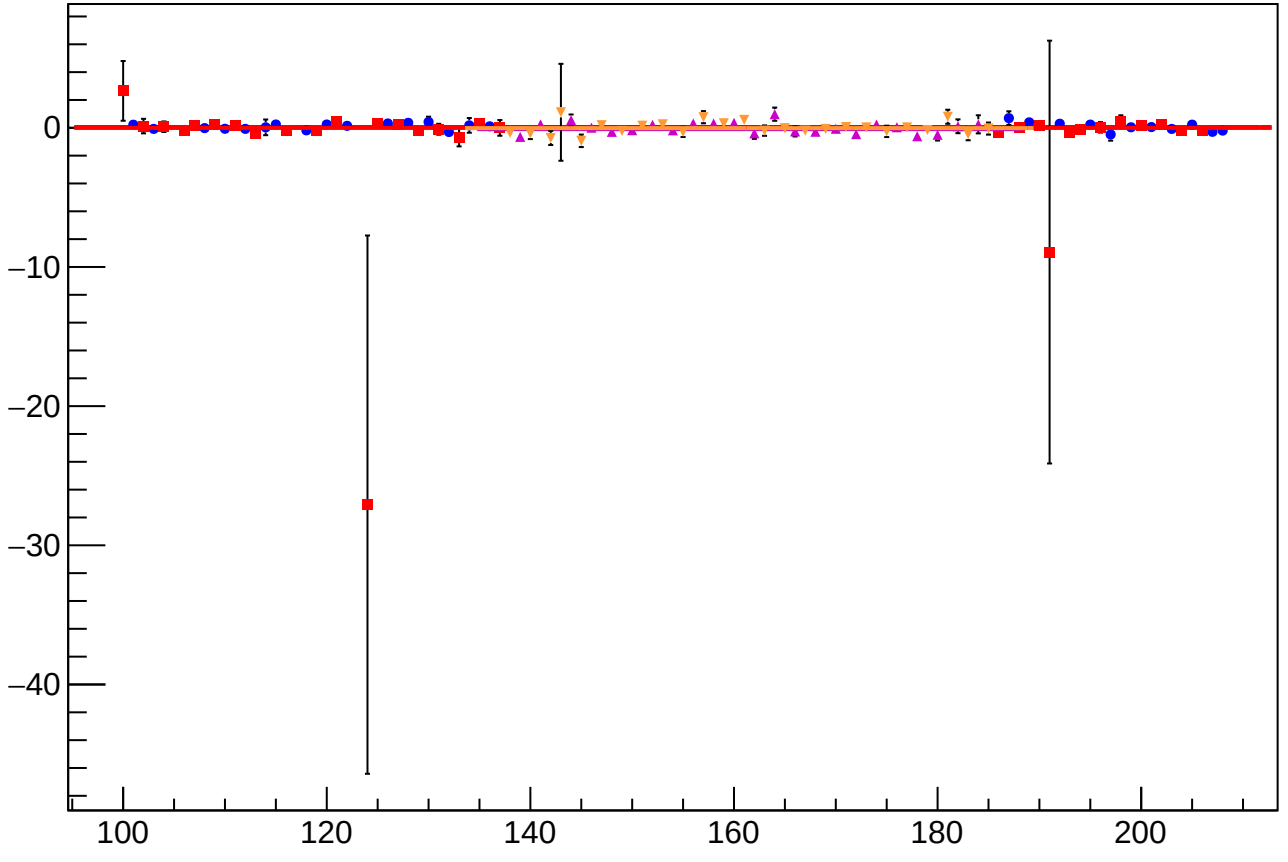
Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 17100838.8/51

All: 0.007+/-0.000 χ^2/NDF: 34264657.8/105

- sign 0.007+/-0.000 χ^2/NDF: 17052722.9/53

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.043+/-0.051 χ^2/NDF: 19.9/26

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.008+/-0.047 χ^2/NDF: 29.5/30

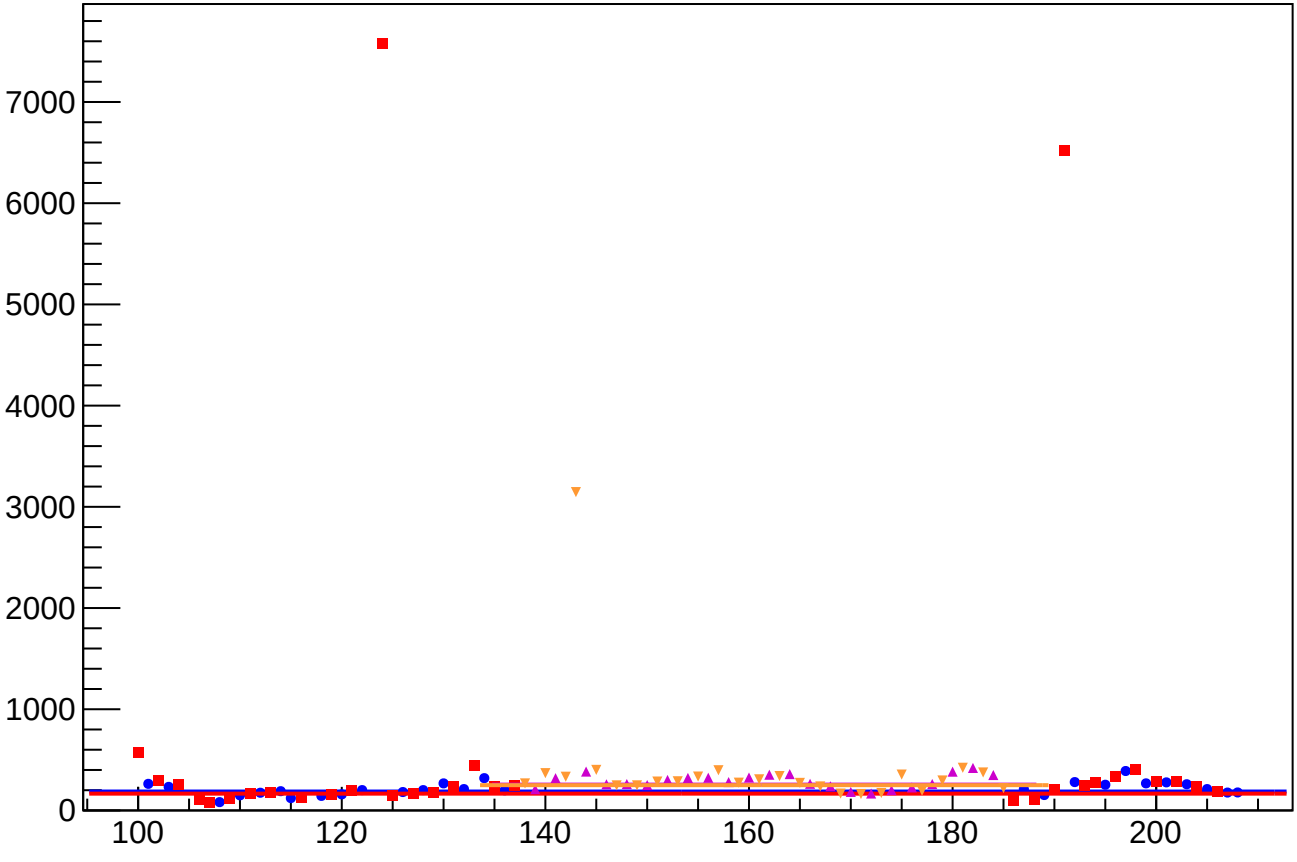
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.016+/-0.039 χ^2/NDF: 44.2/51

All: -0.012+/-0.027 χ^2/NDF: 107.4/105

- sign -0.039+/-0.038 χ^2/NDF: 62.2/53

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 187.052+/-0.036 χ^2/NDF: 2967744.8/26

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 166.087+/-0.033 χ^2/NDF: 5300170.7/30

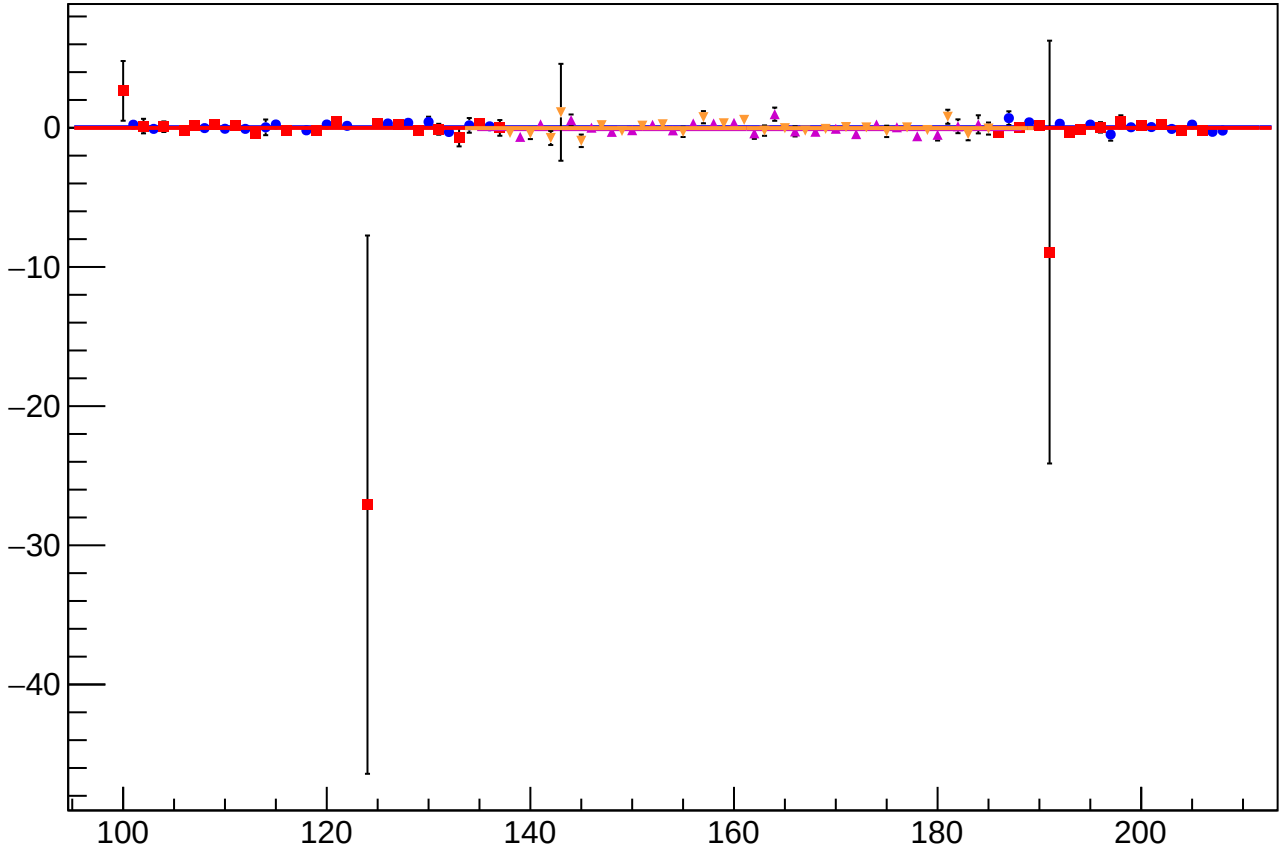
Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 212.423+/-0.028 χ^2/NDF: 8440365.9/51

All: 204.904+/-0.019 χ^2/NDF: 18571868.4/10

- sign 197.955+/-0.027 χ^2/NDF: 9989684.4/53

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043+/-0.051 χ^2/NDF: 19.9/26

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

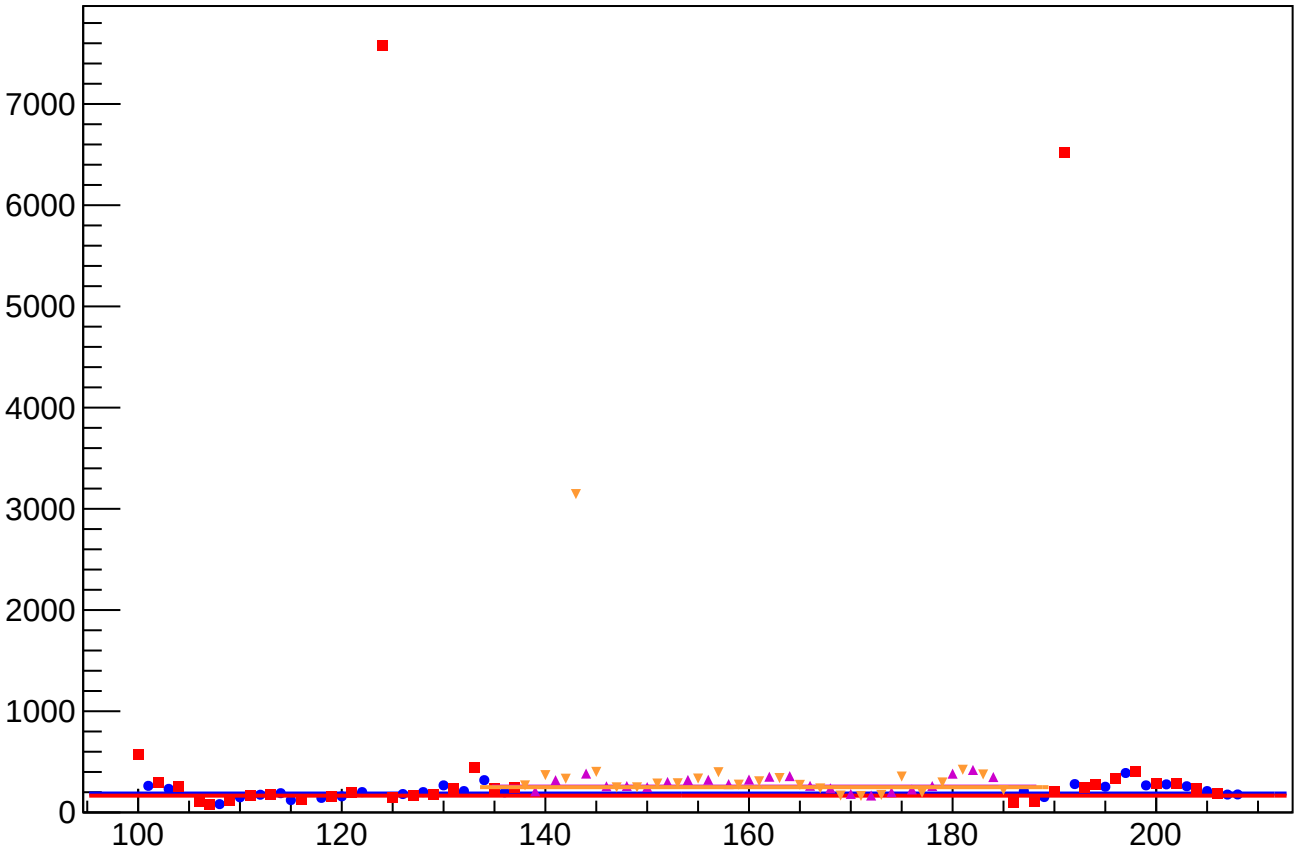
Right Out: -0.008+/-0.047 χ^2/NDF: 29.5/30

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.016+/-0.039 χ^2/NDF: 44.2/51

All: -0.012+/-0.027 χ^2/NDF: 107.4/105

- sign -0.039+/-0.038 χ^2/NDF: 62.2/53



Right In: 187.052+/-0.036 χ^2/NDF: 2967744.8/26

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

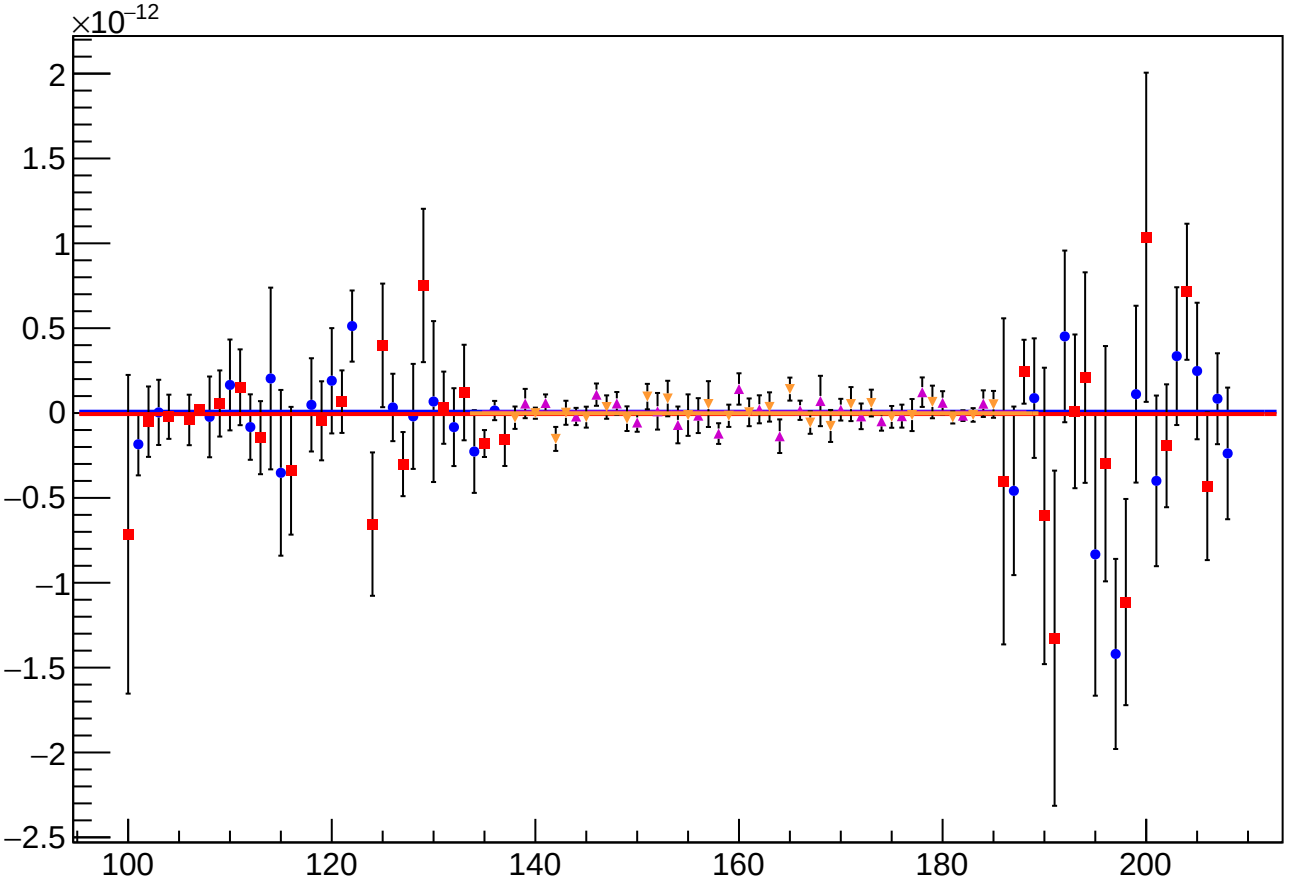
Right Out: 166.087+/-0.033 χ^2/NDF: 5300170.7/30

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 212.423+/-0.028 χ^2/NDF: 8440365.9/51

All: 204.904+/-0.019 χ^2/NDF: 18571868.4/10

- sign 197.955+/-0.027 χ^2/NDF: 9989684.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

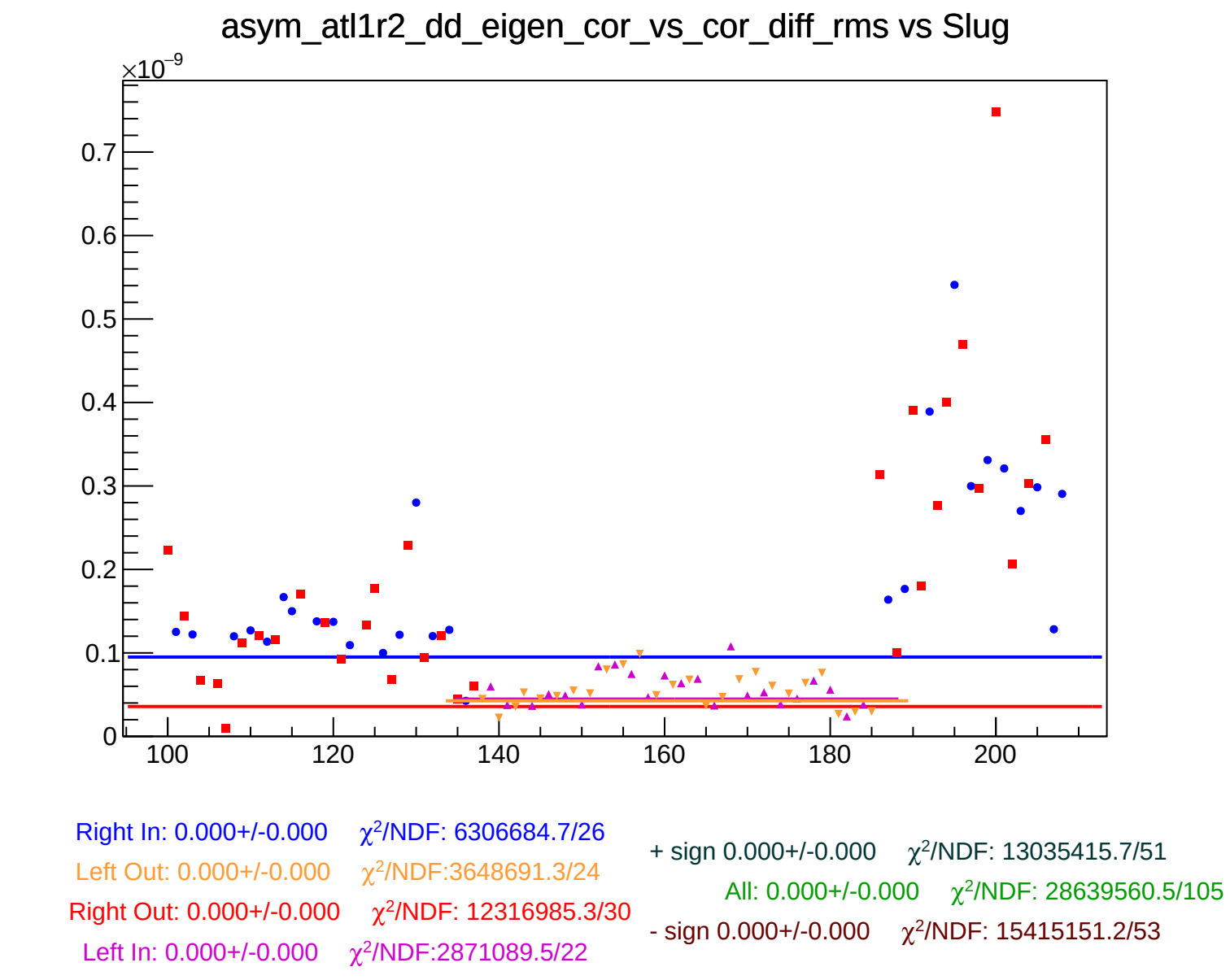
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/30

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

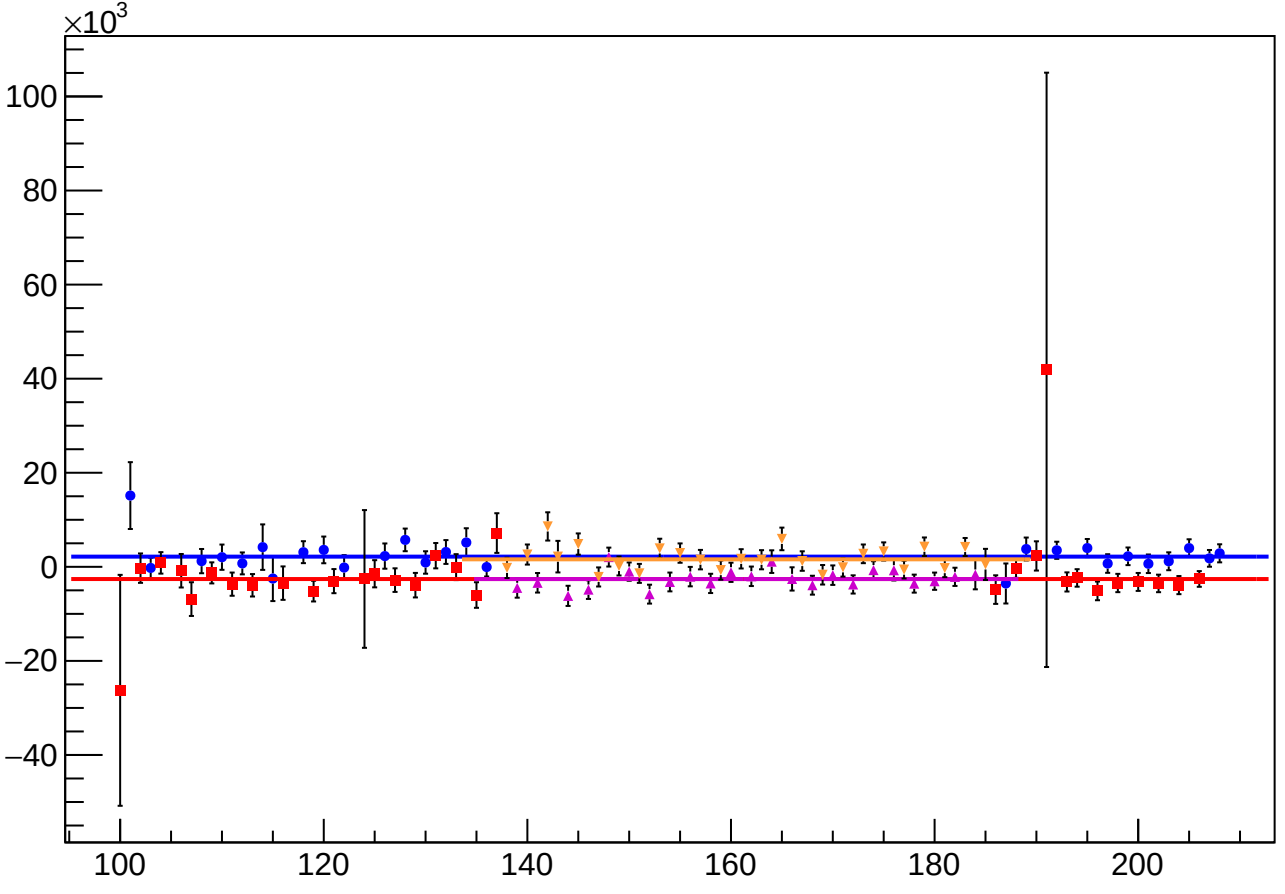
+ sign -0.000+/-0.000 χ^2/NDF: 37.5/51

All: 0.000+/-0.000 χ^2/NDF: 89.3/105

- sign 0.000+/-0.000 χ^2/NDF: 51.8/53


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6306684.7/26
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 12316985.3/30
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
+ sign 0.000+/-0.000 χ²/NDF: 13035415.7/51
All: 0.000+/-0.000 χ²/NDF: 28639560.5/105
- sign 0.000+/-0.000 χ²/NDF: 15415151.2/53

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2167.282+/-447.921 χ^2/NDF: 18.4/26

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2596.825+/-445.460 χ^2/NDF: 26.8/30

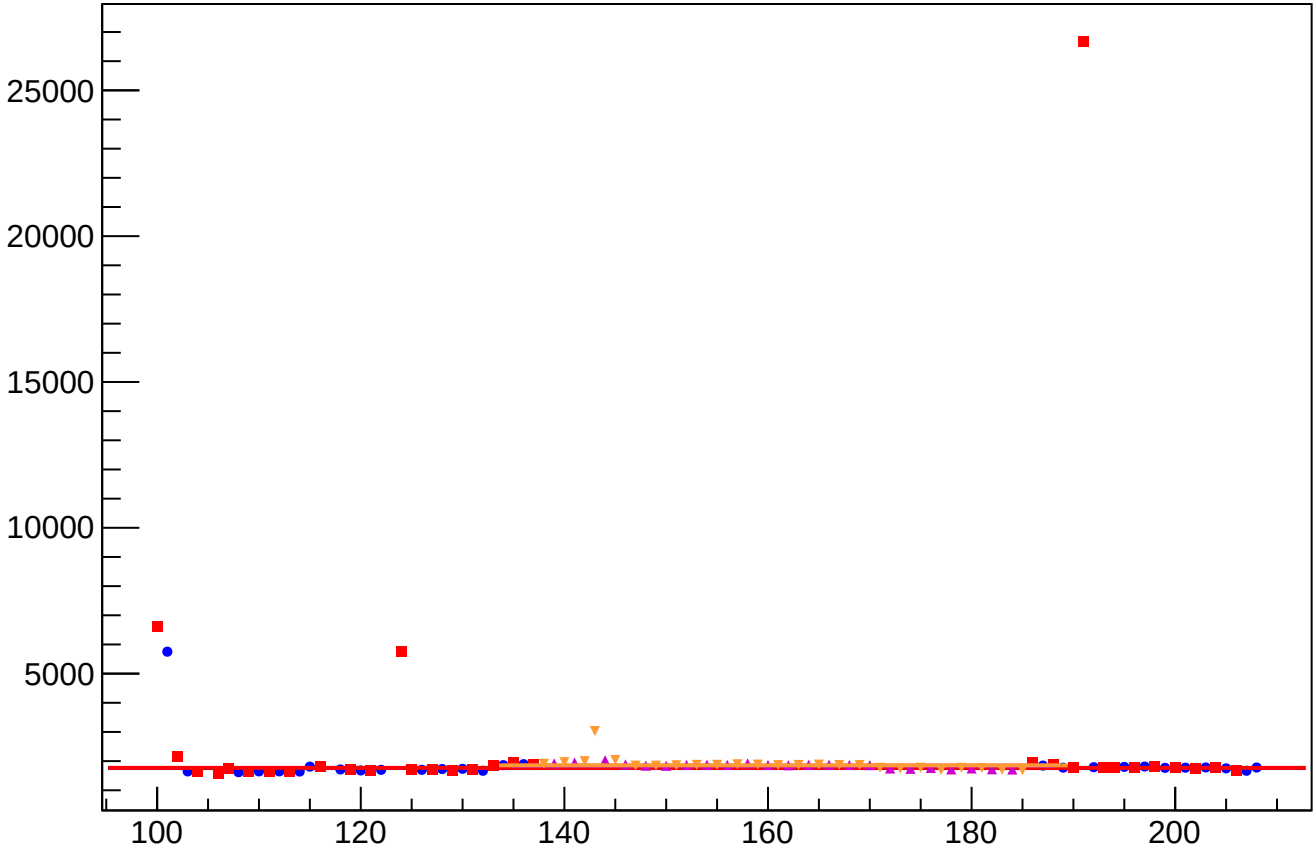
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1863.640+/-307.654 χ^2/NDF: 50.6/51

All: -353.582+/-218.189 χ^2/NDF: 201.9/105

- sign -2597.299+/-309.486 χ^2/NDF: 46.9/53

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1762.275+/-0.317 χ^2/NDF: 680903.7/26

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1768.411+/-0.314 χ^2/NDF: 646084.6/30

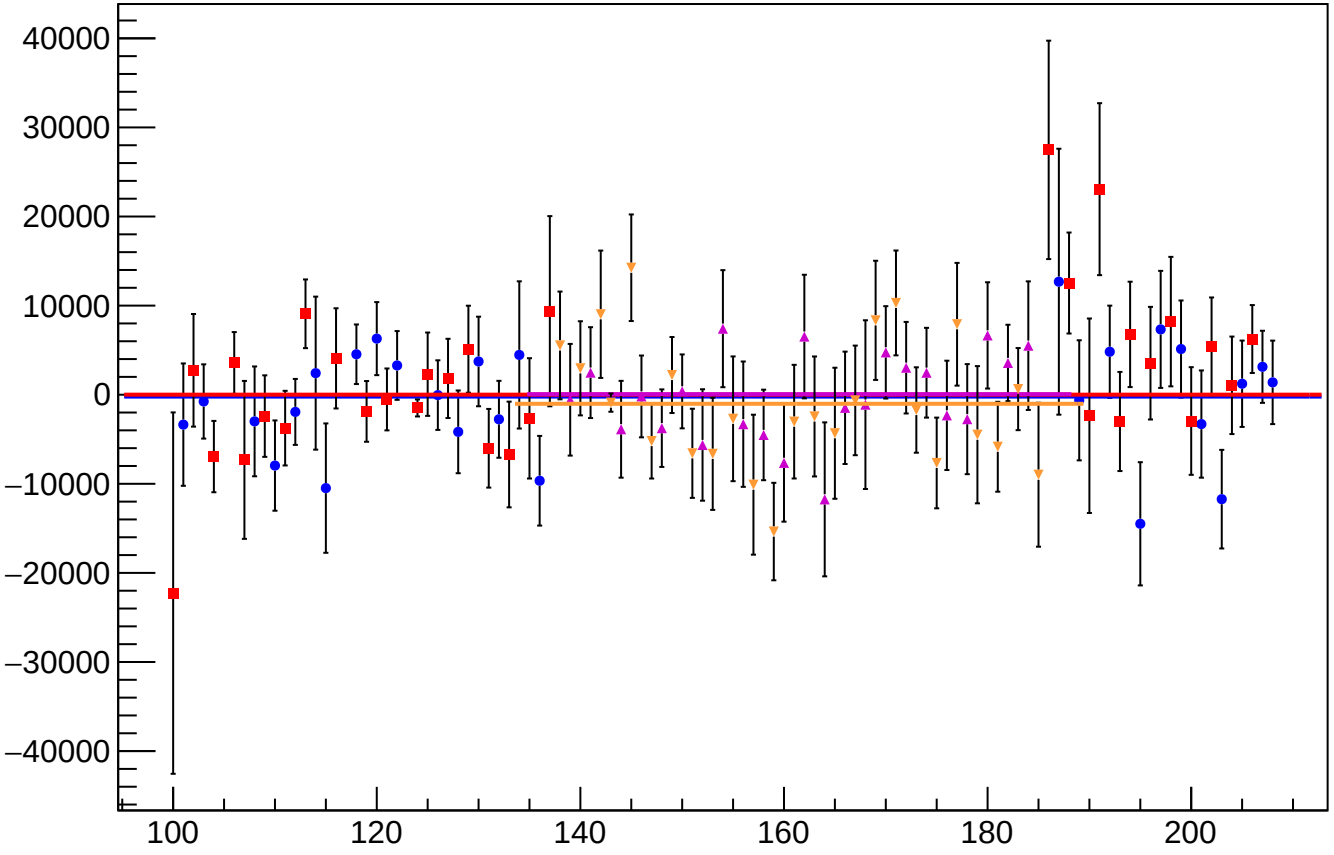
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.552+/-0.218 χ^2/NDF: 1050993.9/51

All: 1808.702+/-0.154 χ^2/NDF: 1795964.6/10

- sign 1805.829+/-0.218 χ^2/NDF: 744626.2/53

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -210.453+/-963.984 χ^2/NDF: 29.7/26

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: 5.186+/-670.670 χ^2/NDF: 44.4/30

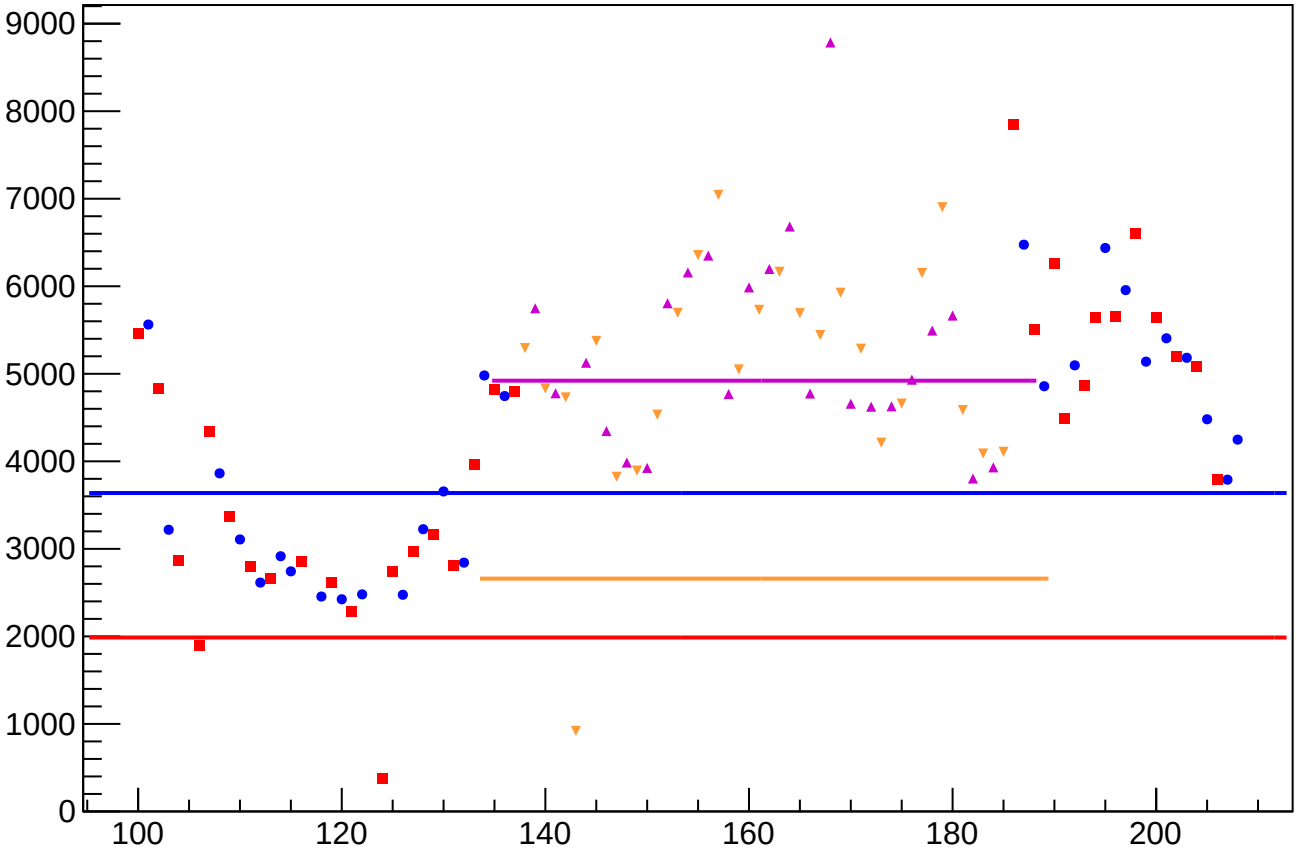
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -703.071+/-602.495 χ^2/NDF: 63.9/51

All: -329.578+/-418.697 χ^2/NDF: 122.0/105

- sign 19.266+/-582.275 χ^2/NDF: 57.4/53

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3637.912+/-0.682 χ^2/NDF: 2866763.6/26

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1987.256+/-0.474 χ^2/NDF: 14848791.0/30

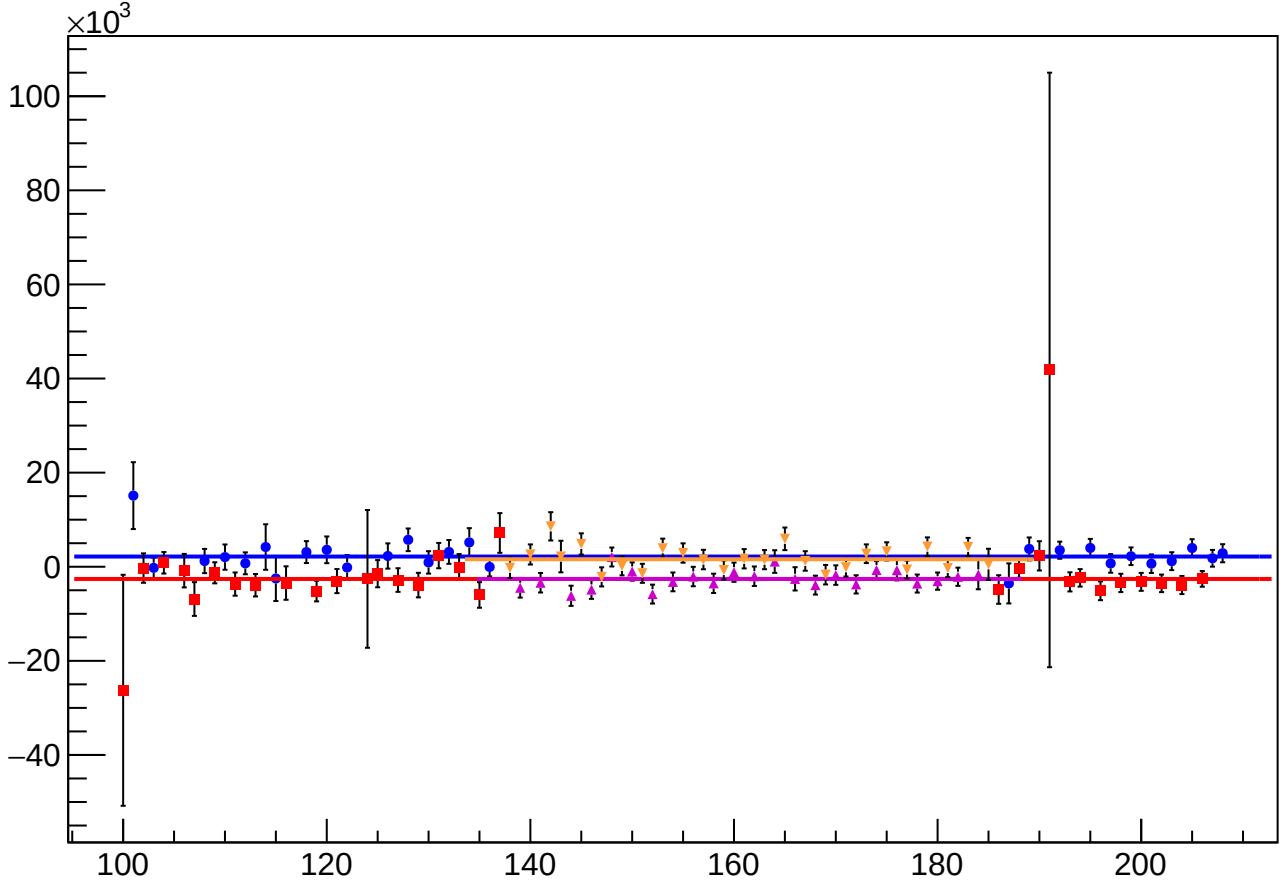
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 3042.009+/-0.426 χ^2/NDF: 18657022.3/51

All: 2870.191+/-0.296 χ^2/NDF: 44496763.2/1

- sign 2709.713+/-0.412 χ^2/NDF: 25525171.3/53

cor_asym_atr1l2_avg_mean vs Slug



Right In: 2167.106+/-447.921 χ^2/NDF: 18.4/26

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2596.833+/-445.460 χ^2/NDF: 26.8/30

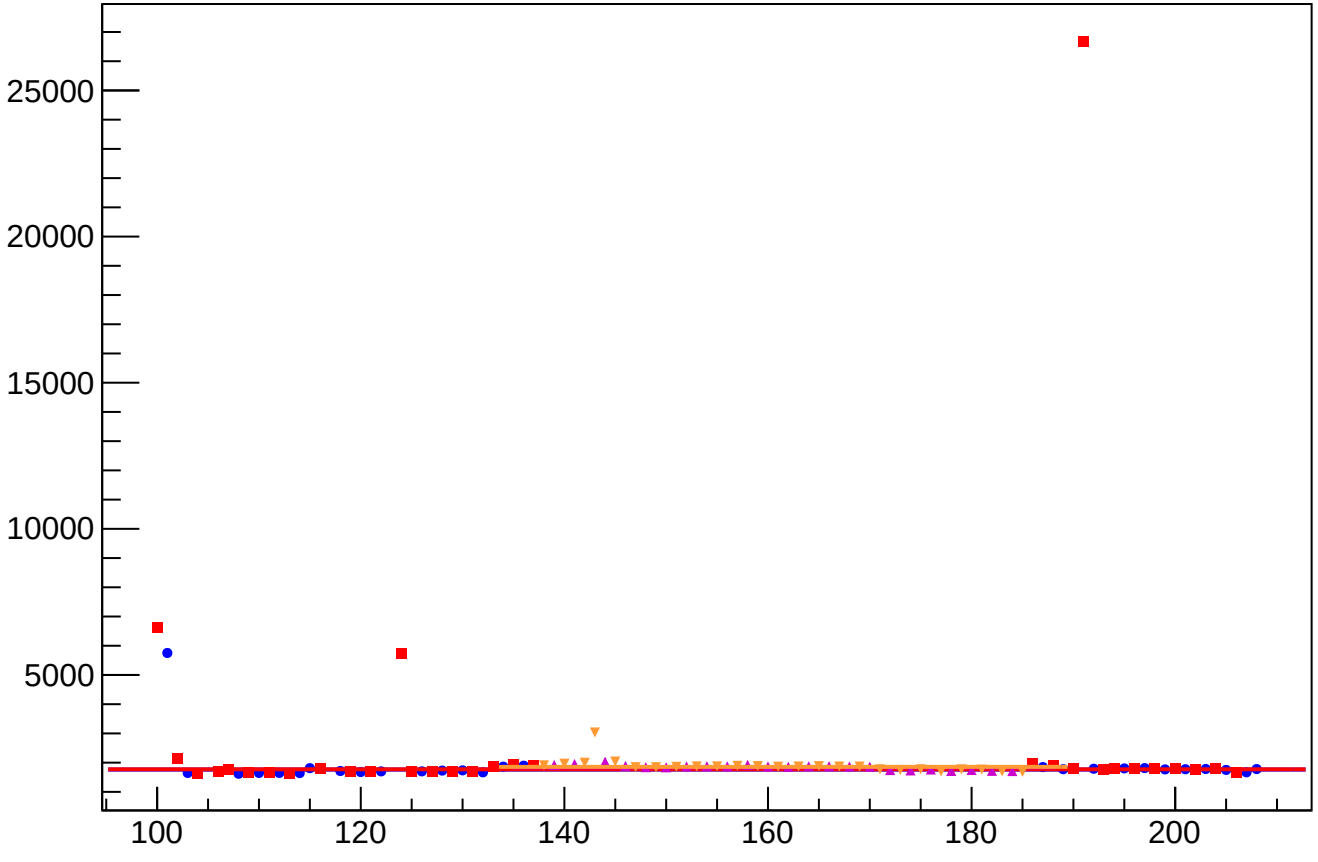
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1863.540+/-307.654 χ^2/NDF: 50.5/51

All: -353.653+/-218.189 χ^2/NDF: 201.9/105

- sign -2597.339+/-309.486 χ^2/NDF: 46.9/53

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1762.275+/-0.317 χ^2/NDF: 680904.0/26

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1771.618+/-0.314 χ^2/NDF: 637705.8/30

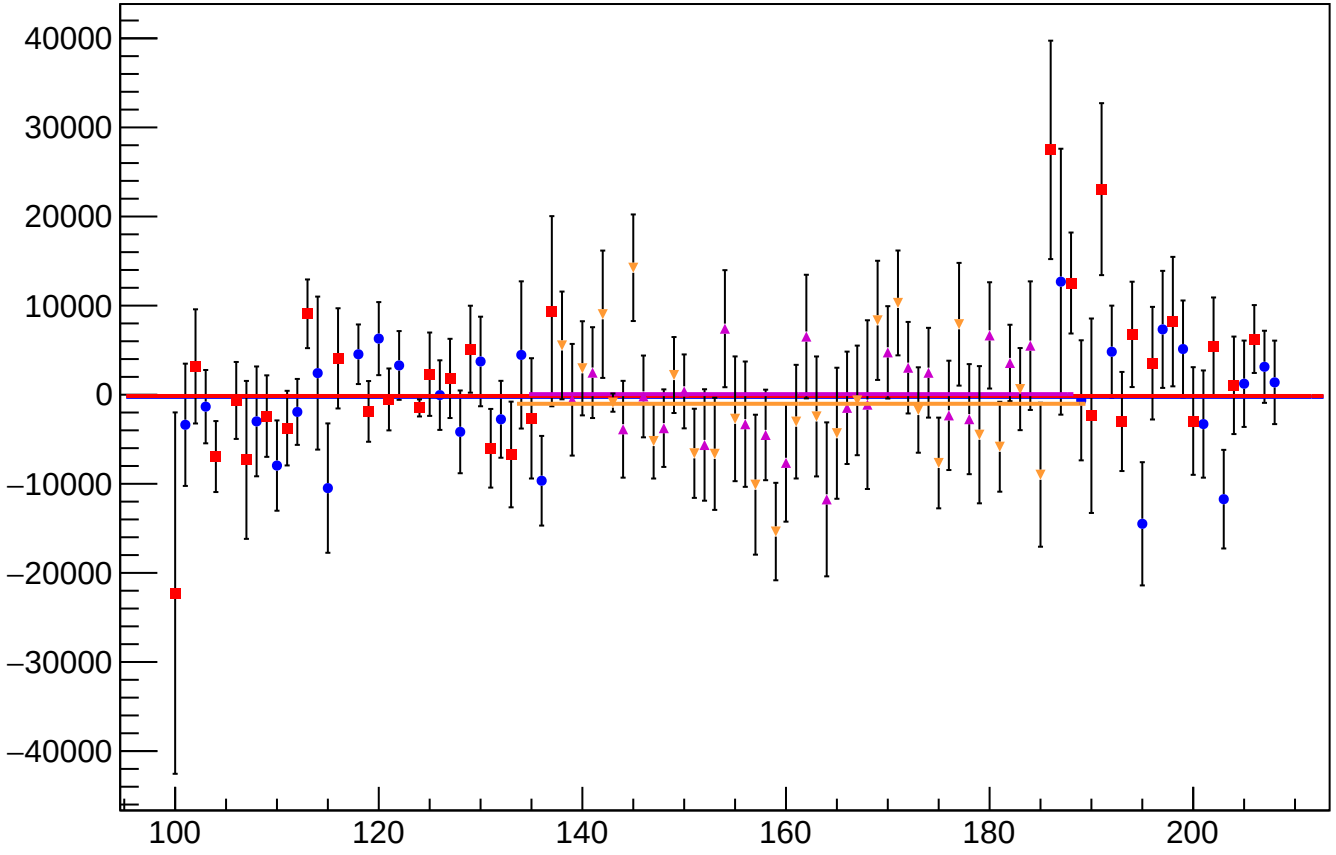
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.552+/-0.218 χ^2/NDF: 1050994.2/51

All: 1809.507+/-0.154 χ^2/NDF: 1784993.8/10

- sign 1807.441+/-0.219 χ^2/NDF: 733821.9/53

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -243.584+/-963.315 χ^2/NDF: 29.7/26

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -143.452+/-675.177 χ^2/NDF: 43.4/30

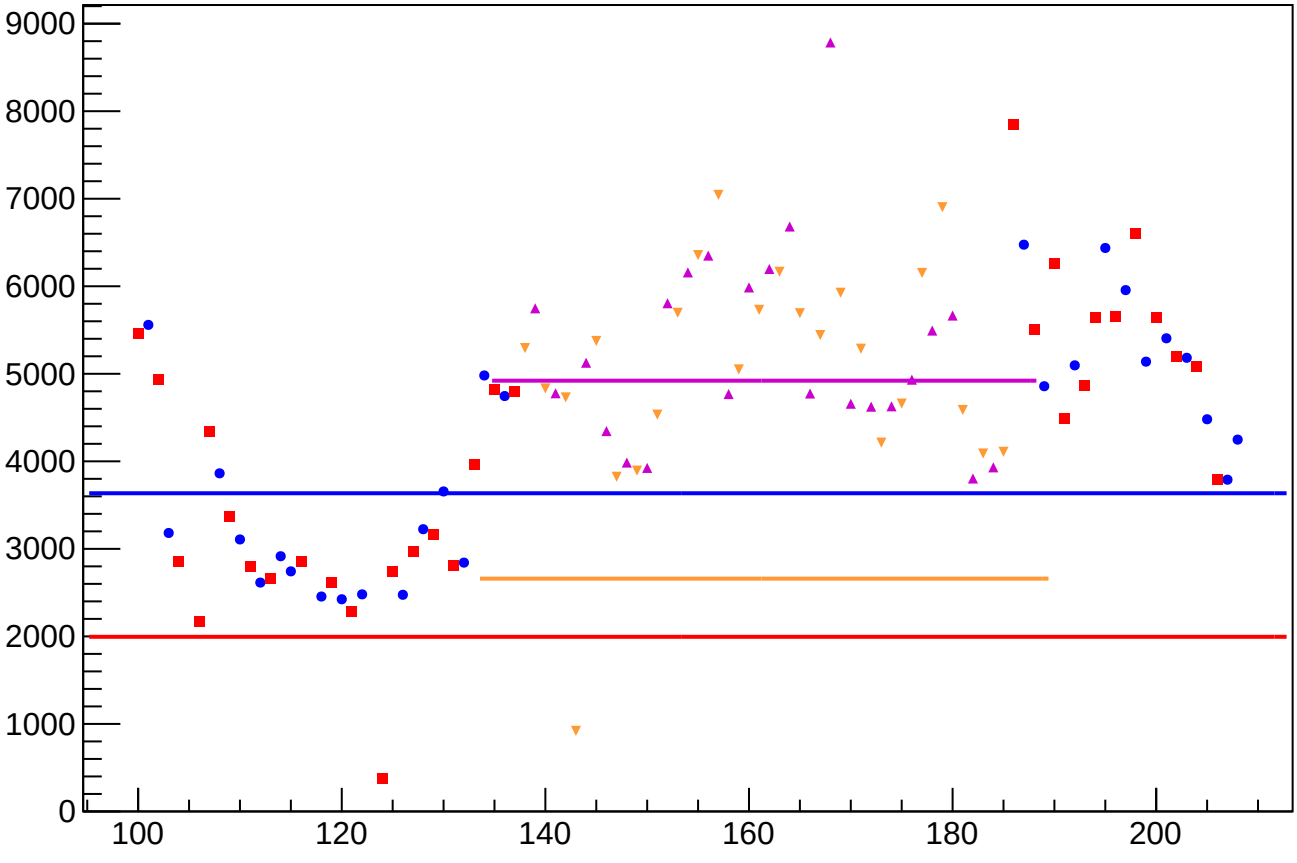
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -715.674+/-602.324 χ^2/NDF: 63.9/51

All: -394.999+/-419.728 χ^2/NDF: 120.9/105

- sign -92.280+/-585.217 χ^2/NDF: 56.5/53

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3635.305+/-0.681 χ^2/NDF: 2870639.1/26

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1995.373+/-0.477 χ^2/NDF: 14866148.6/30

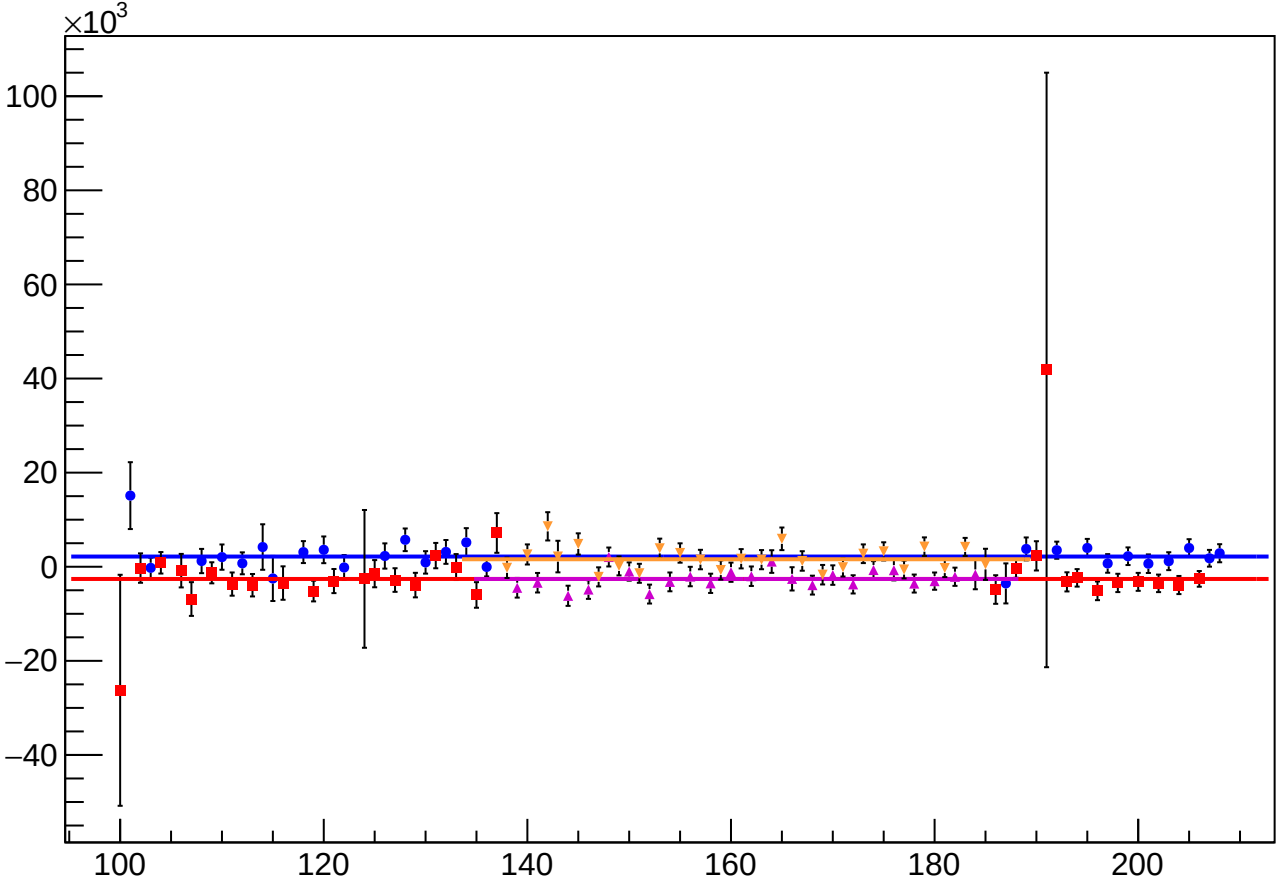
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3041.240+/-0.426 χ^2/NDF: 18656299.7/51

All: 2877.604+/-0.297 χ^2/NDF: 44402688.4/1

- sign 2723.130+/-0.414 χ^2/NDF: 25459424.7/53

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 2167.106+/-447.921 χ^2/NDF: 18.4/26

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2596.833+/-445.460 χ^2/NDF: 26.8/30

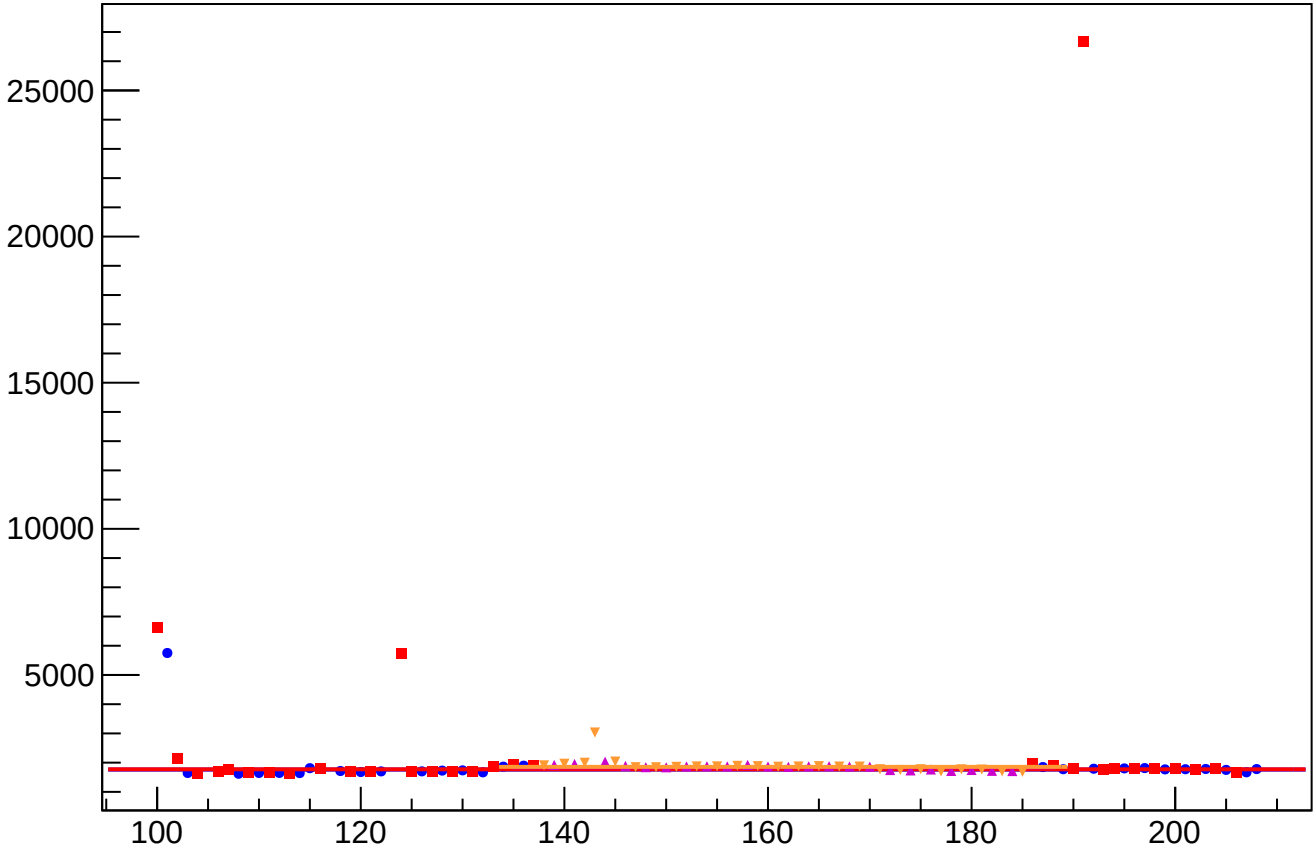
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1863.540+/-307.654 χ^2/NDF: 50.5/51

All: -353.653+/-218.189 χ^2/NDF: 201.9/105

- sign -2597.339+/-309.486 χ^2/NDF: 46.9/53

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1762.275+/-0.317 χ^2/NDF: 680904.0/26

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

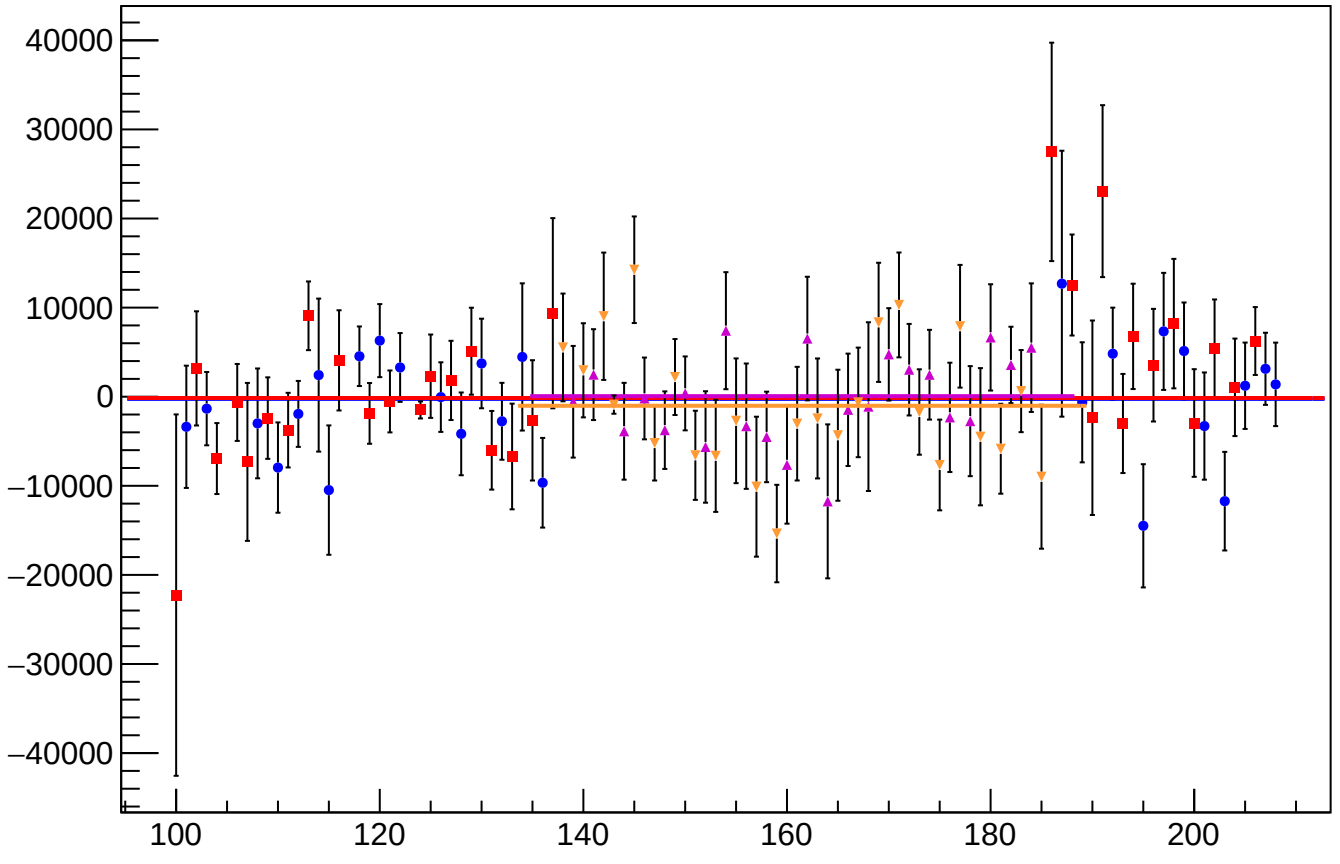
Right Out: 1771.618+/-0.314 χ^2/NDF: 637705.8/30

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.552+/-0.218 χ^2/NDF: 1050994.2/51

All: 1809.507+/-0.154 χ^2/NDF: 1784993.8/10

- sign 1807.441+/-0.219 χ^2/NDF: 733821.9/53



Right In: -243.584+/-963.315 χ^2/NDF: 29.7/26

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -143.452+/-675.177 χ^2/NDF: 43.4/30

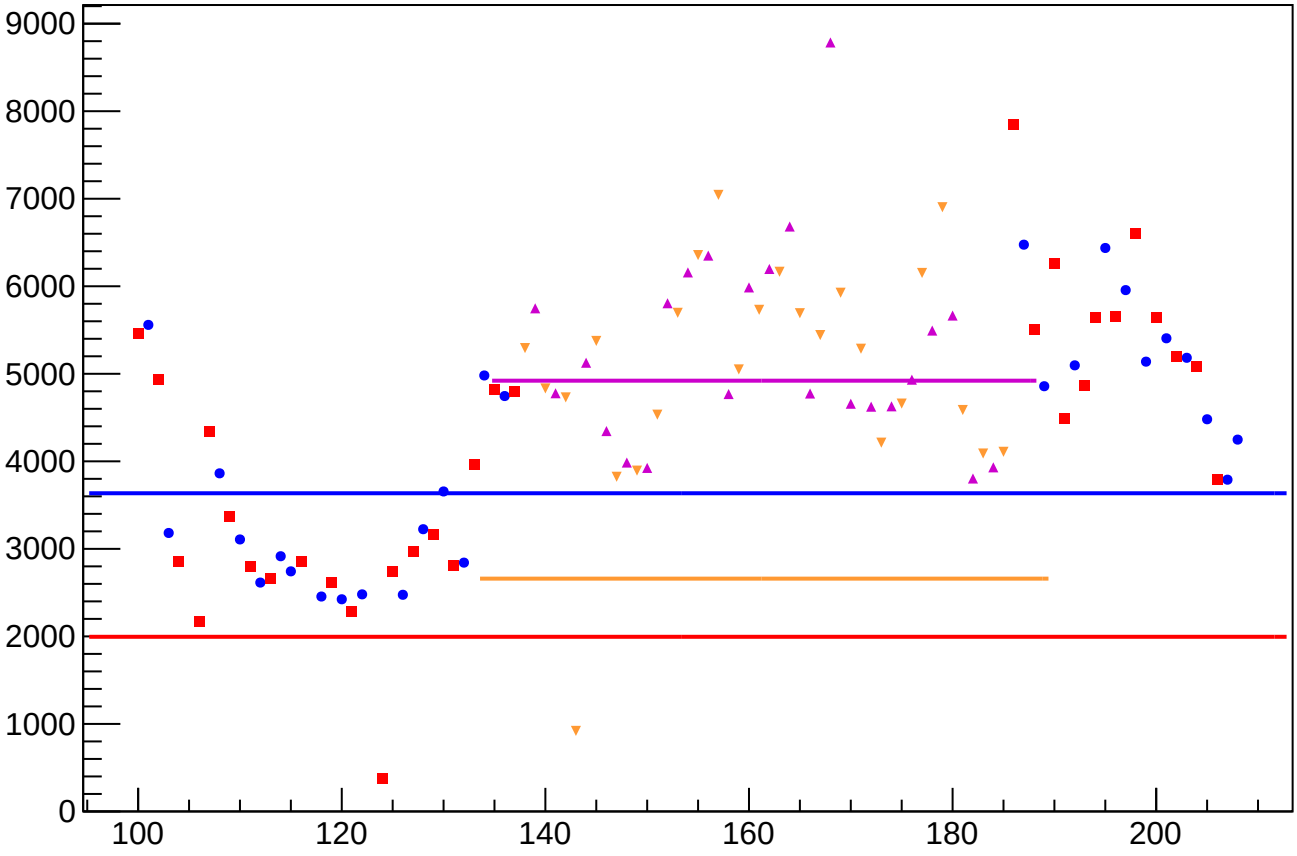
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -715.674+/-602.324 χ^2/NDF: 63.9/51

All: -394.999+/-419.728 χ^2/NDF: 120.9/105

- sign -92.280+/-585.217 χ^2/NDF: 56.5/53

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3635.305+/-0.681 χ^2/NDF: 2870639.1/26

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

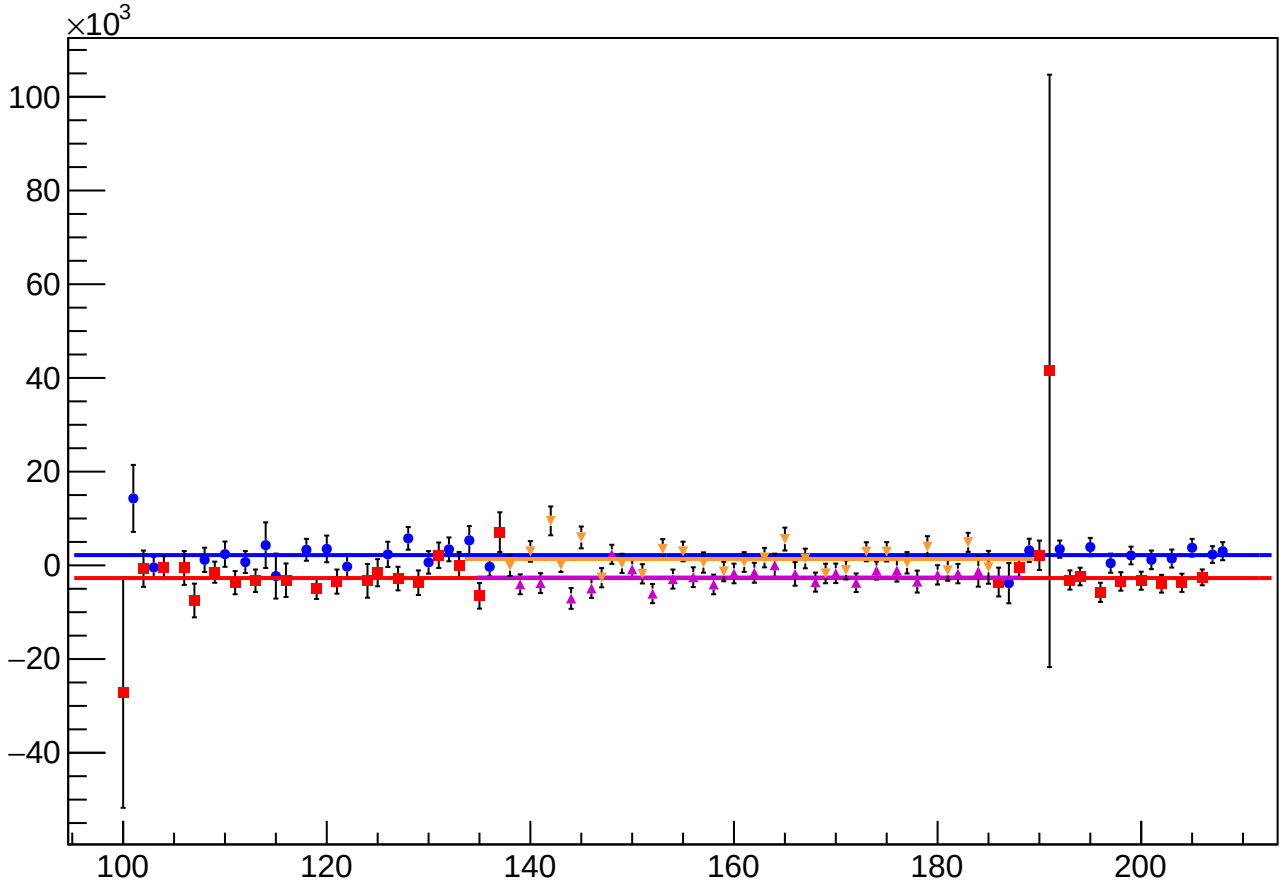
Right Out: 1995.373+/-0.477 χ^2/NDF: 14866148.6/30

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3041.240+/-0.426 χ^2/NDF: 18656299.7/51

All: 2877.604+/-0.297 χ^2/NDF: 44402688.4/1

- sign 2723.130+/-0.414 χ^2/NDF: 25459424.7/53



Right In: 2188.444+/-452.775 χ^2/NDF: 17.9/26

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2713.395+/-448.808 χ^2/NDF: 25.1/30

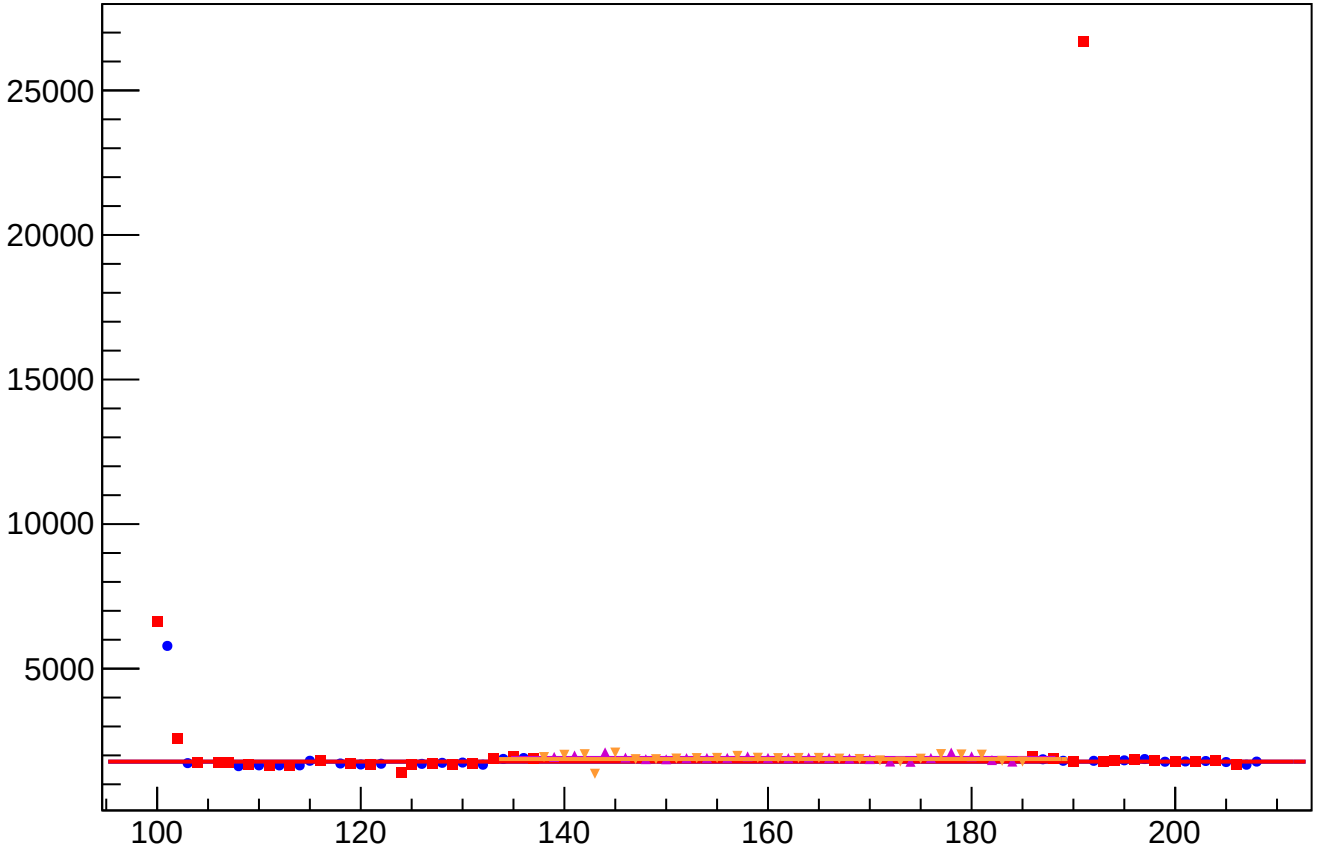
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1752.348+/-310.775 χ^2/NDF: 55.8/51

All: -411.660+/-221.790 χ^2/NDF: 199.7/105

- sign -2657.860+/-316.622 χ^2/NDF: 45.2/53

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1781.130+/-0.320 χ^2/NDF: 682200.5/26

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1785.362+/-0.317 χ^2/NDF: 561156.8/30

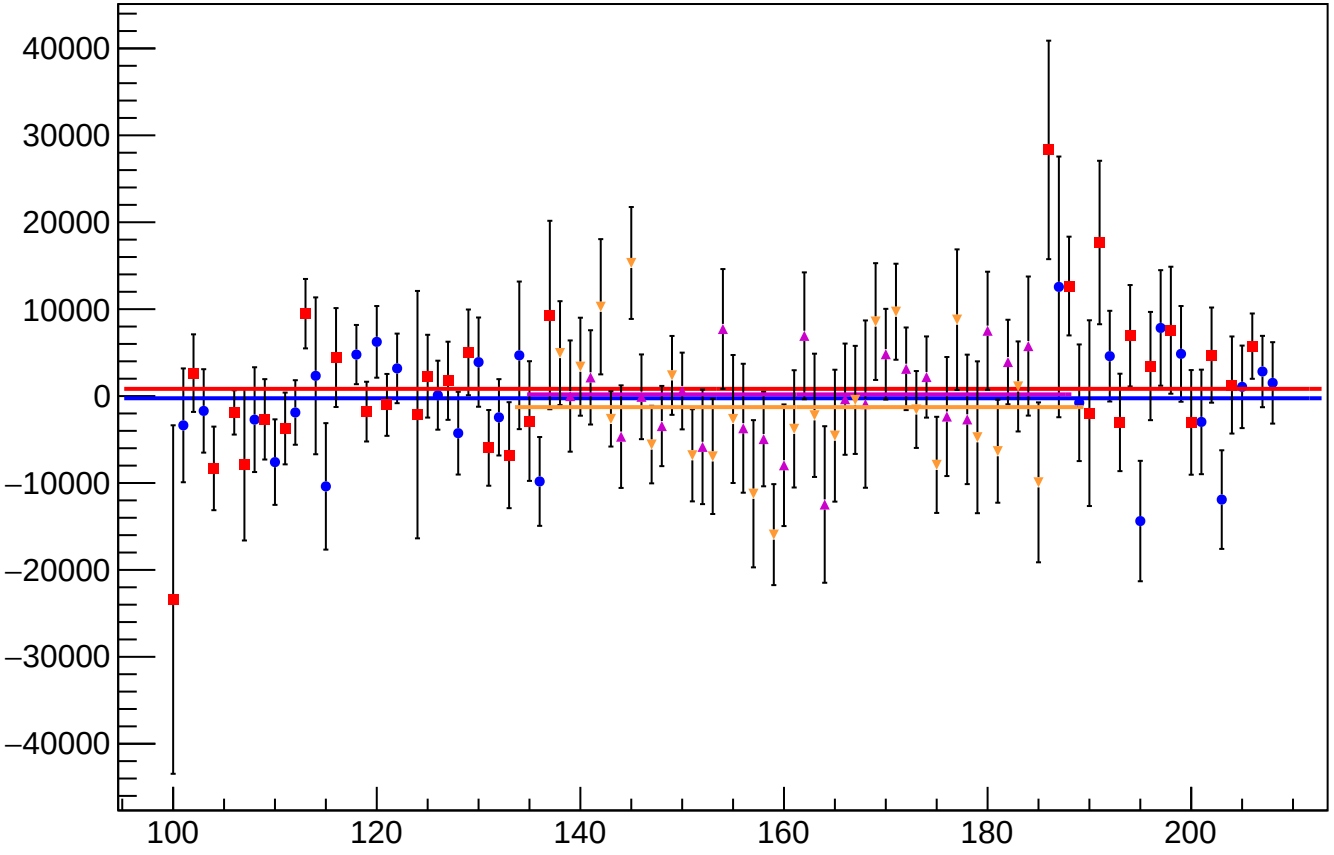
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1829.812+/-0.220 χ^2/NDF: 1035651.6/51

All: 1839.040+/-0.157 χ^2/NDF: 1738896.0/10

- sign 1848.605+/-0.224 χ^2/NDF: 699653.4/53

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -251.257+/-978.674 χ^2/NDF: 29.1/26

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 832.108+/-912.378 χ^2/NDF: 38.5/30

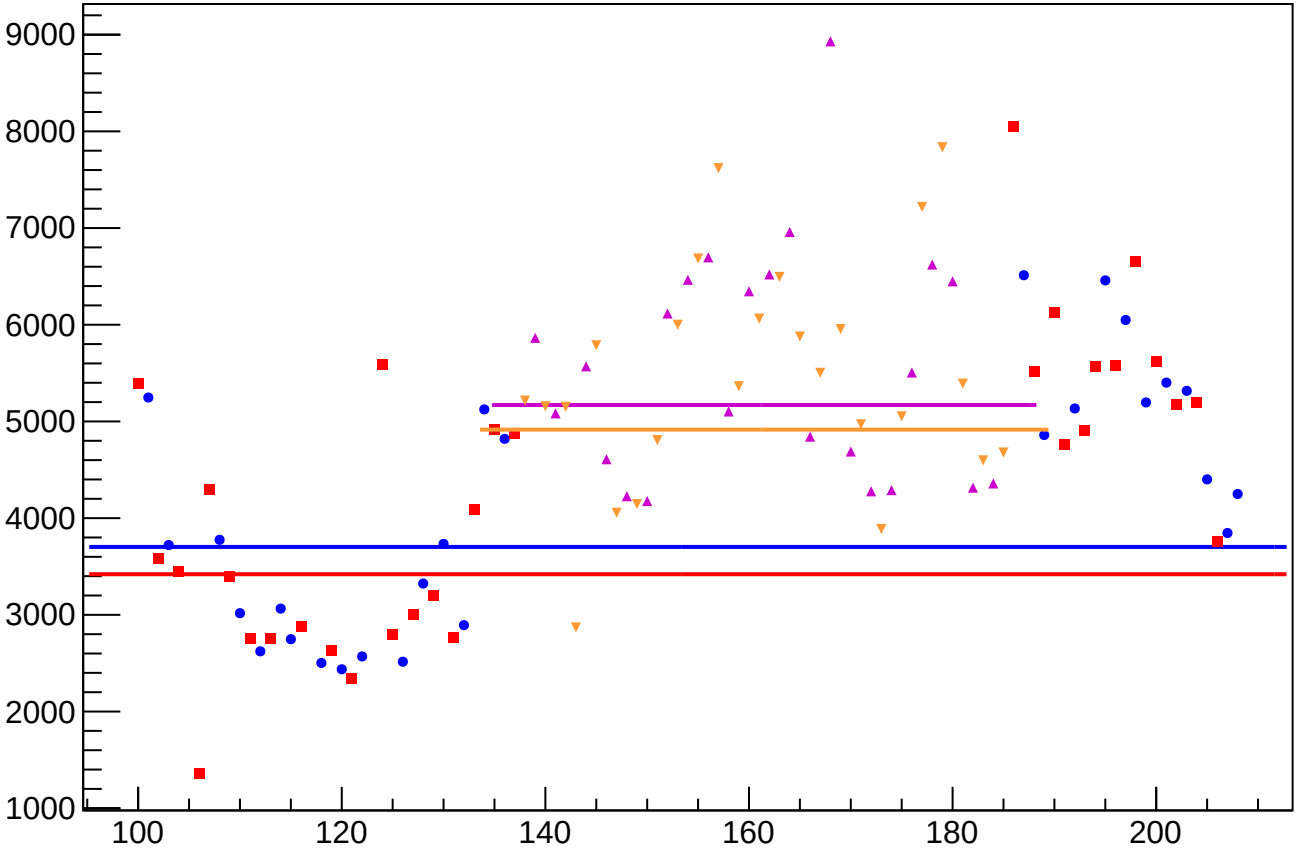
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -676.425+/-746.976 χ^2/NDF: 63.0/51

All: -22.873+/-523.450 χ^2/NDF: 115.9/105

- sign 607.728+/-733.743 χ^2/NDF: 51.4/53

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3702.347+/-0.692 χ^2/NDF: 2759821.9/26

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3419.985+/-0.645 χ^2/NDF: 4512970.6/30

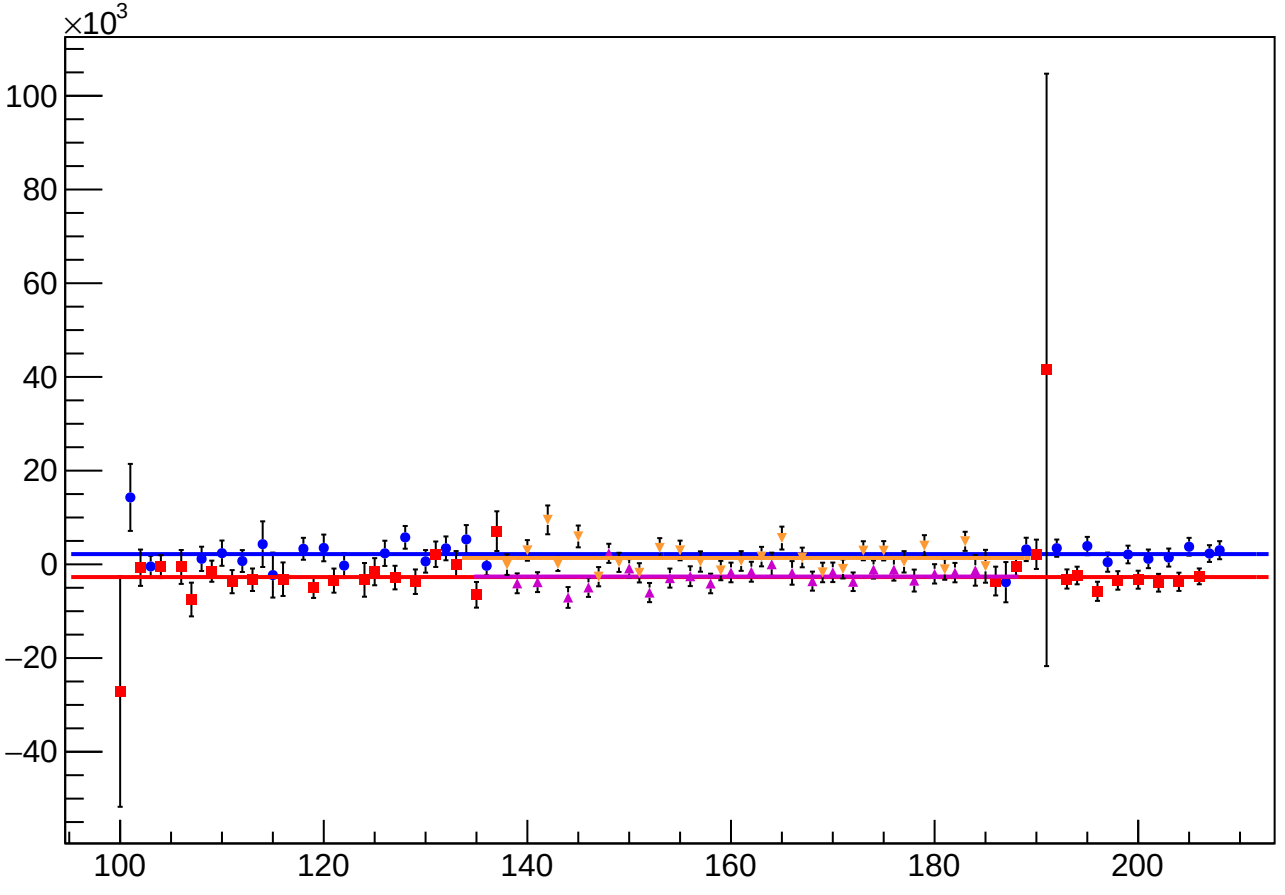
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4208.664+/-0.528 χ^2/NDF: 6208383.9/51

All: 4121.900+/-0.370 χ^2/NDF: 14722385.8/1

- sign 4038.183+/-0.519 χ^2/NDF: 8460982.7/53

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 2188.445+/-452.775 χ^2/NDF: 17.9/26

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2713.392+/-448.808 χ^2/NDF: 25.1/30

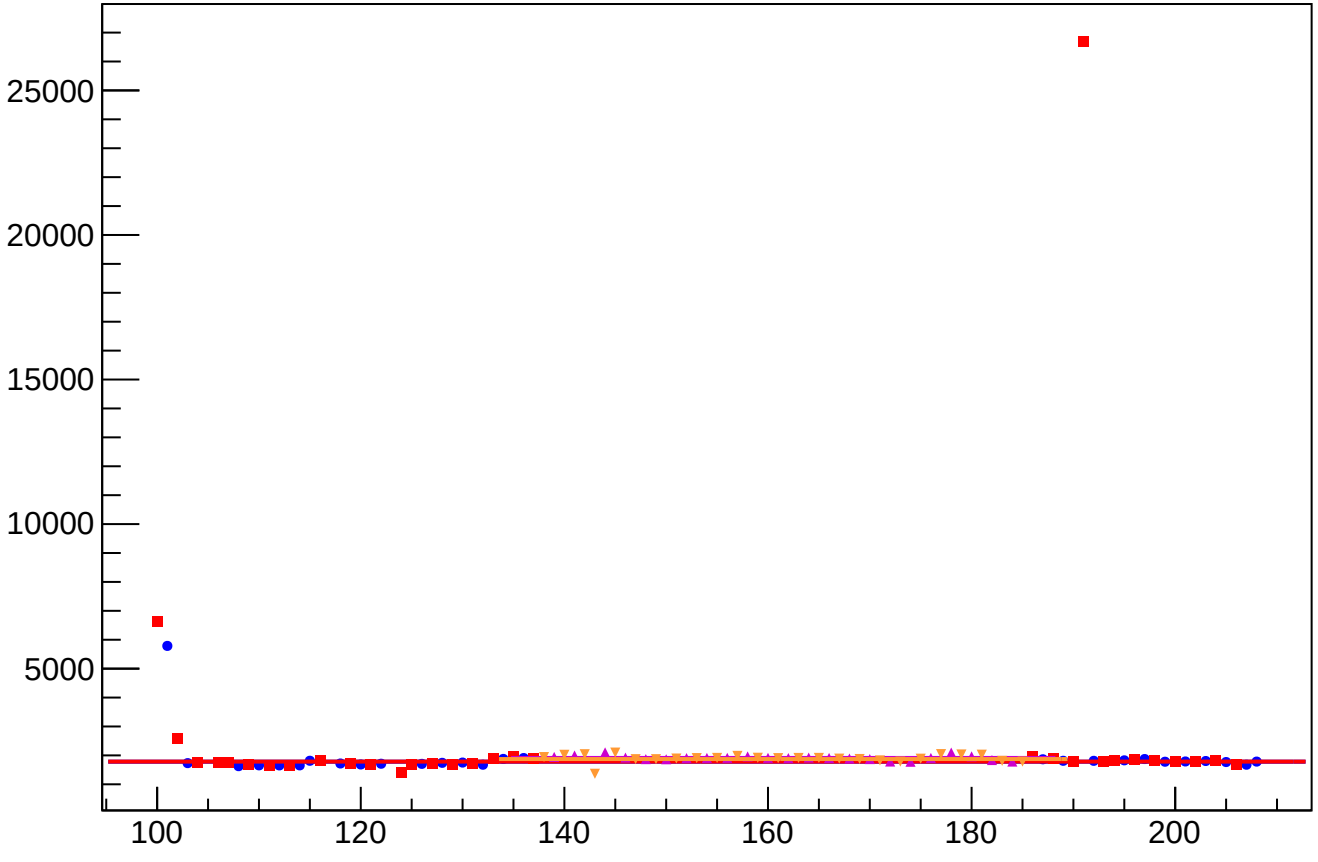
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1752.347+/-310.775 χ^2/NDF: 55.8/51

All: -411.659+/-221.790 χ^2/NDF: 199.7/105

- sign -2657.858+/-316.622 χ^2/NDF: 45.2/53

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1781.130+/-0.320 χ^2/NDF: 682200.5/26

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1785.362+/-0.317 χ^2/NDF: 561157.0/30

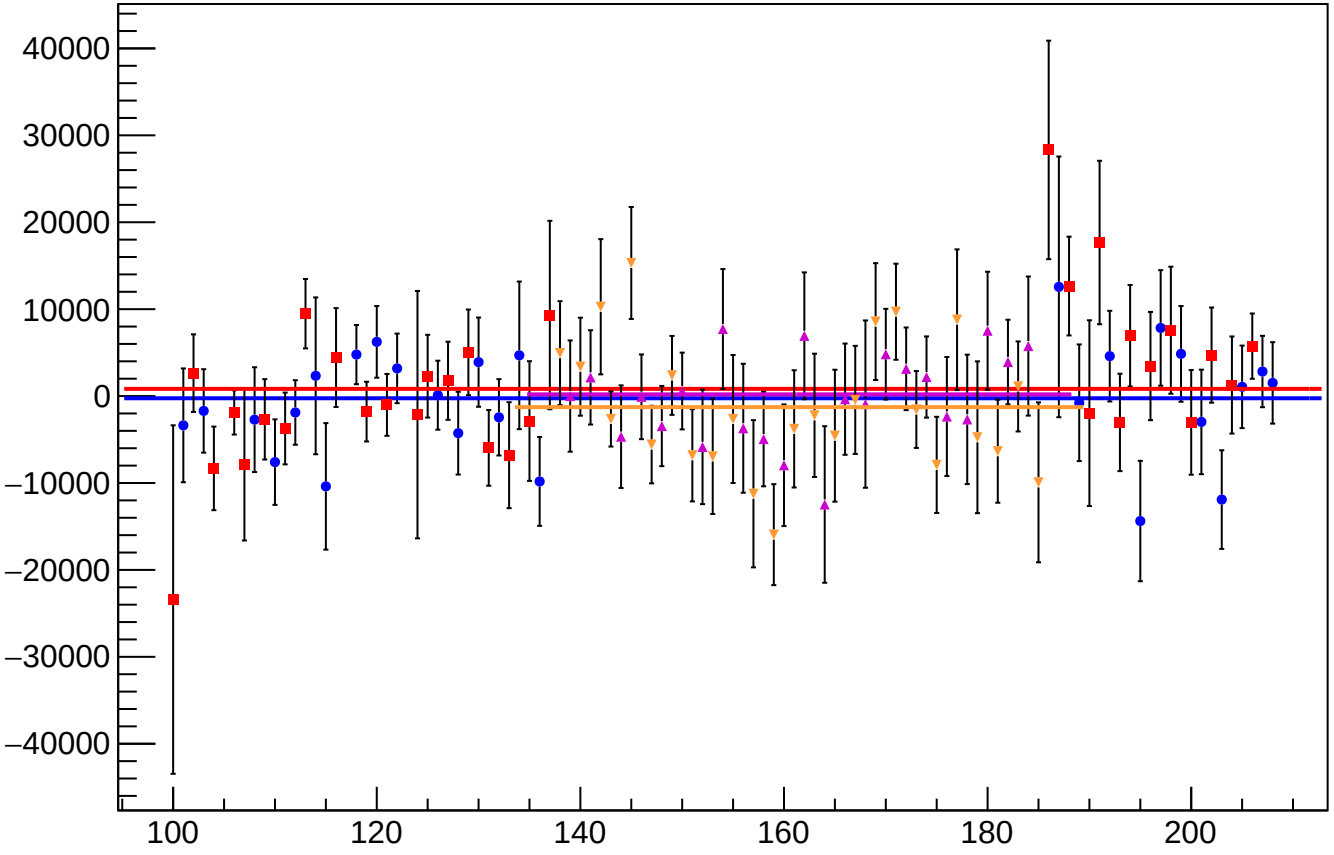
Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1829.813+/-0.220 χ^2/NDF: 1035656.0/51

All: 1839.040+/-0.157 χ^2/NDF: 1738904.1/10

- sign 1848.606+/-0.224 χ^2/NDF: 699657.1/53

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -251.253+/-978.672 χ^2/NDF: 29.1/26

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 832.097+/-912.376 χ^2/NDF: 38.5/30

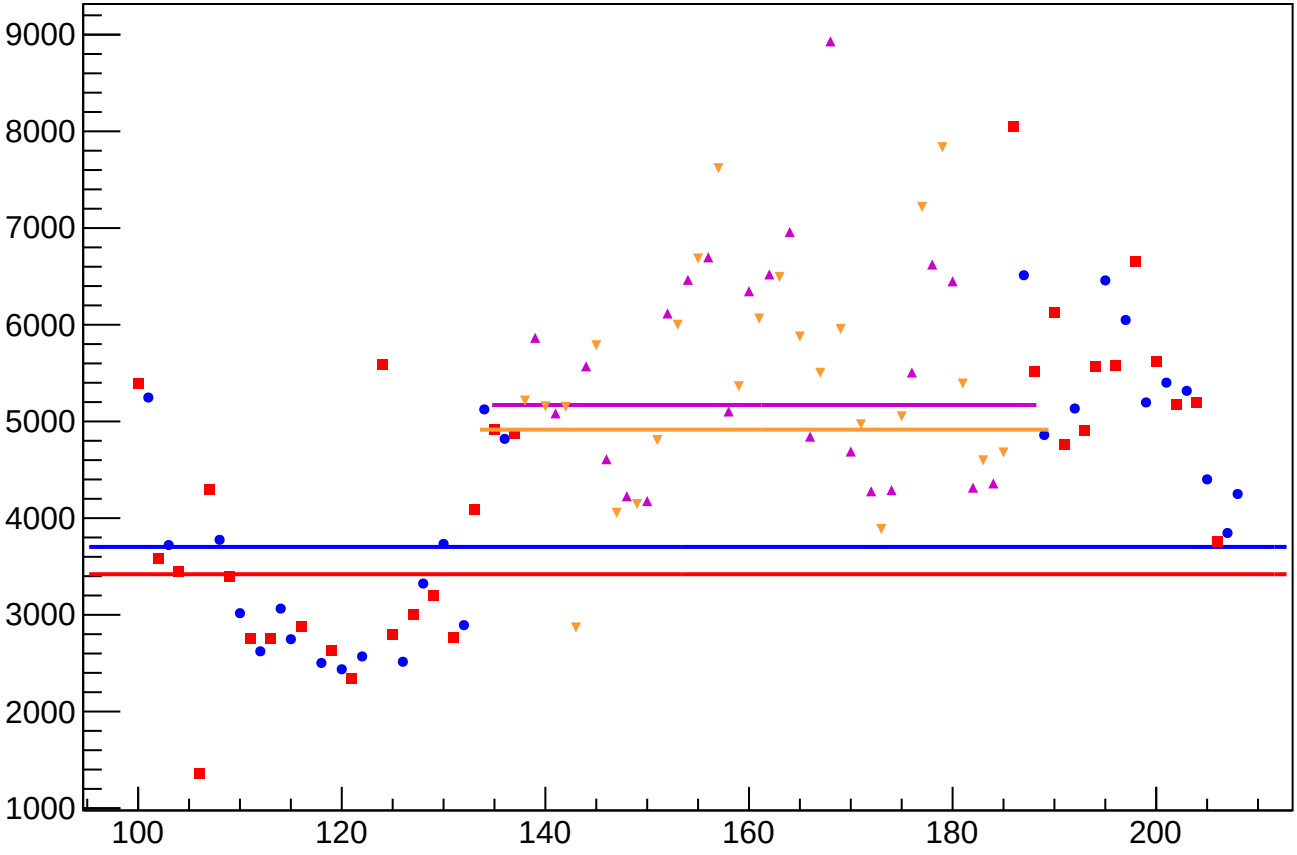
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -676.424+/-746.976 χ^2/NDF: 63.0/51

All: -22.874+/-523.450 χ^2/NDF: 115.9/105

- sign 607.723+/-733.742 χ^2/NDF: 51.4/53

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3702.339+/-0.692 χ^2/NDF: 2759865.4/26

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3419.973+/-0.645 χ^2/NDF: 4513034.6/30

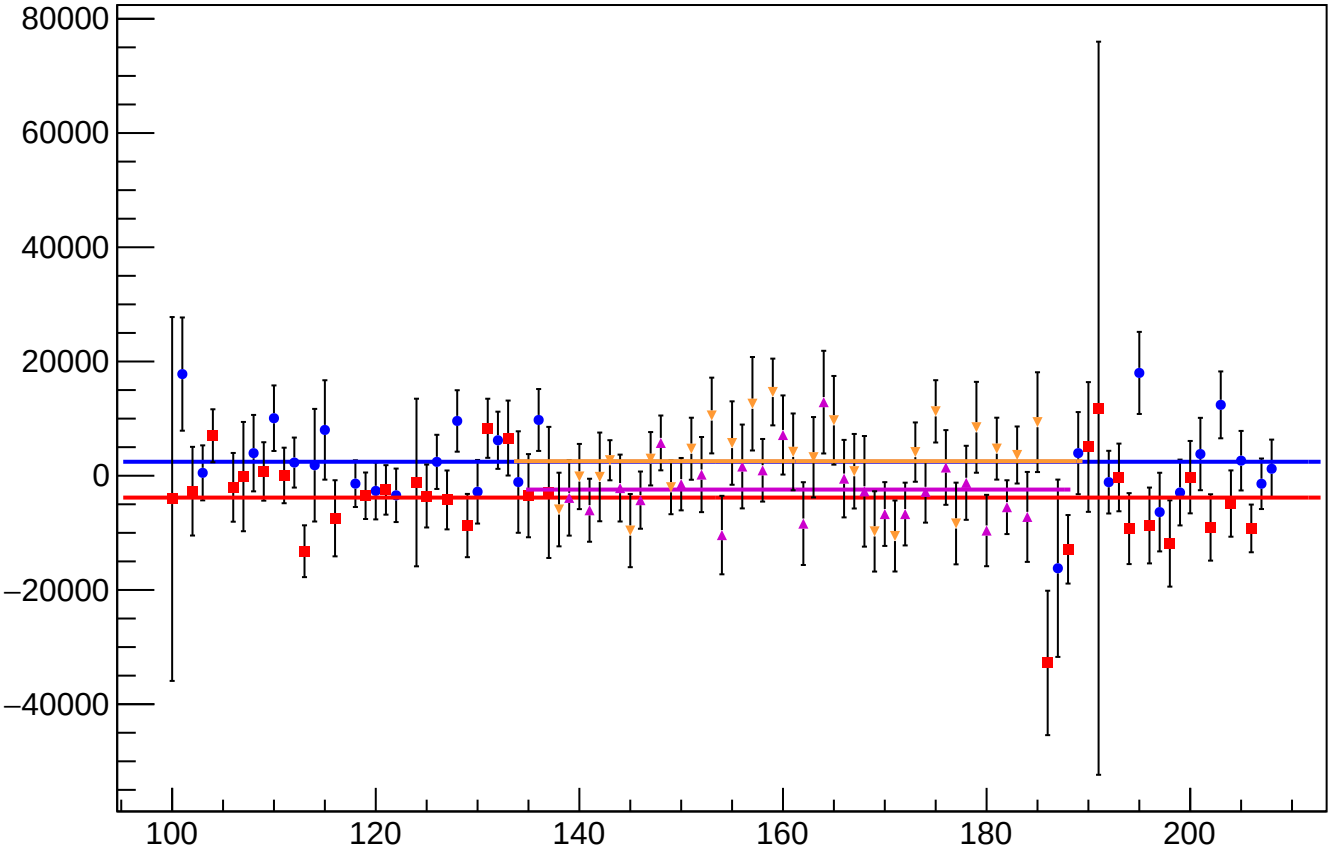
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4208.661+/-0.528 χ^2/NDF: 6208463.2/51

All: 4121.894+/-0.370 χ^2/NDF: 14722590.5/1

- sign 4038.175+/-0.519 χ^2/NDF: 8461105.2/53

asym_atr1l2_avg_mean vs Slug



Right In: 2445.105+/-1095.760 χ^2/NDF: 26.4/26

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -3826.723+/-1090.419 χ^2/NDF: 34.5/30

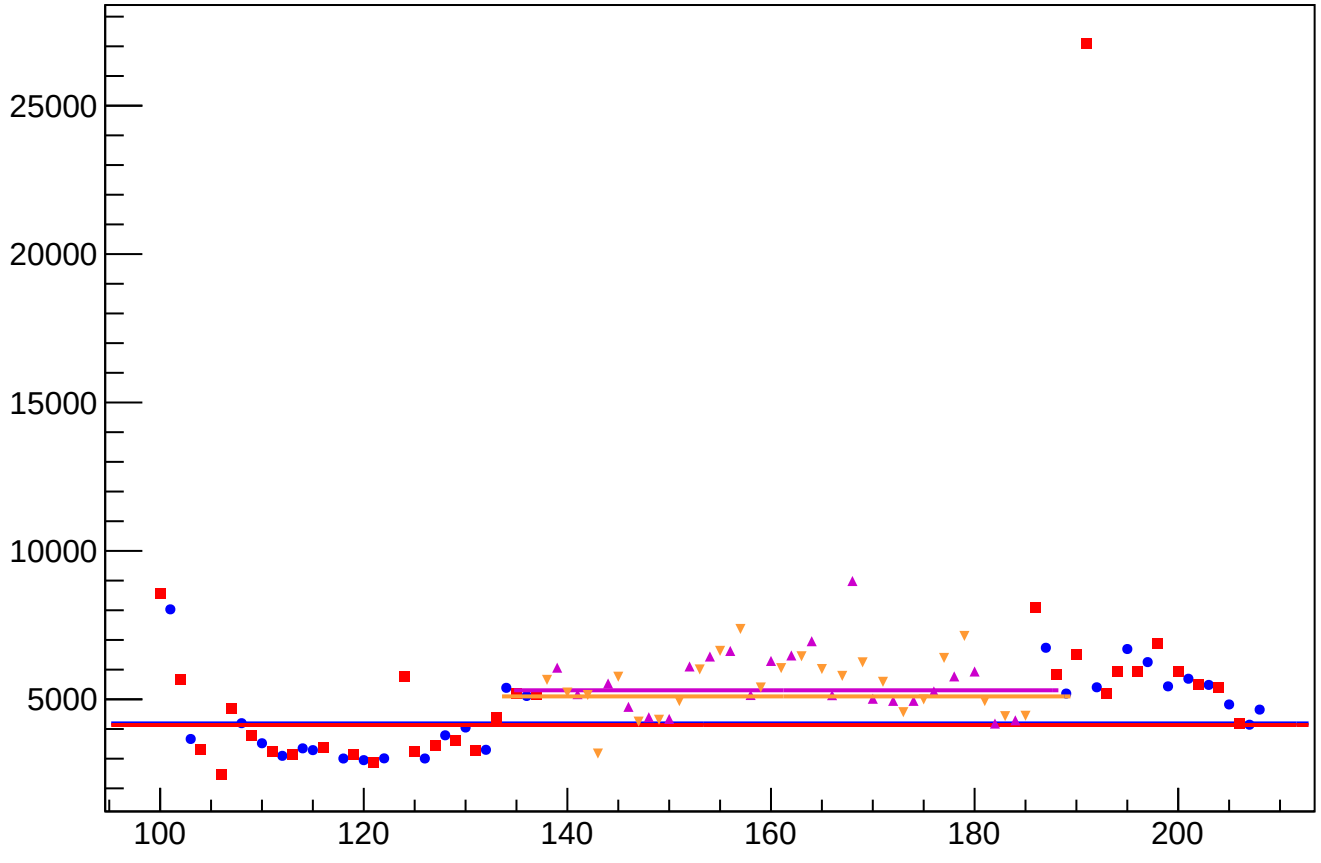
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2491.991+/-805.354 χ^2/NDF: 55.4/51

All: -299.802+/-576.098 χ^2/NDF: 130.3/105

- sign -3225.433+/-824.432 χ^2/NDF: 50.2/53

asym_atr1l2_avg_rms vs Slug



Right In: 4187.745+/-0.775 χ^2/NDF: 2189413.9/26

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

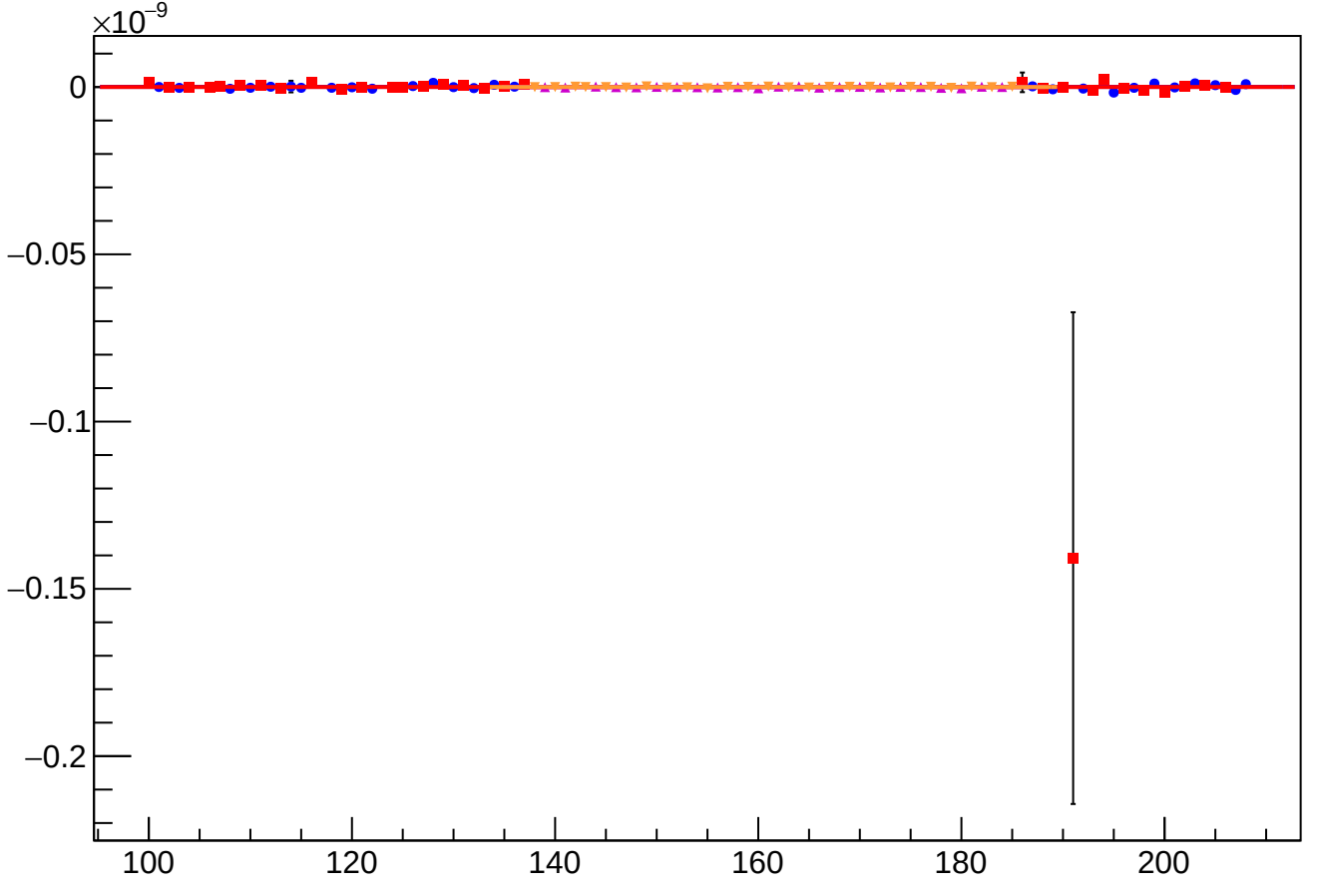
Right Out: 4134.482+/-0.763 χ^2/NDF: 2894589.9/30

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4606.291+/-0.569 χ^2/NDF: 4368406.1/51

All: 4617.762+/-0.406 χ^2/NDF: 9276283.4/10

- sign 4629.642+/-0.580 χ^2/NDF: 4907051.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 36.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

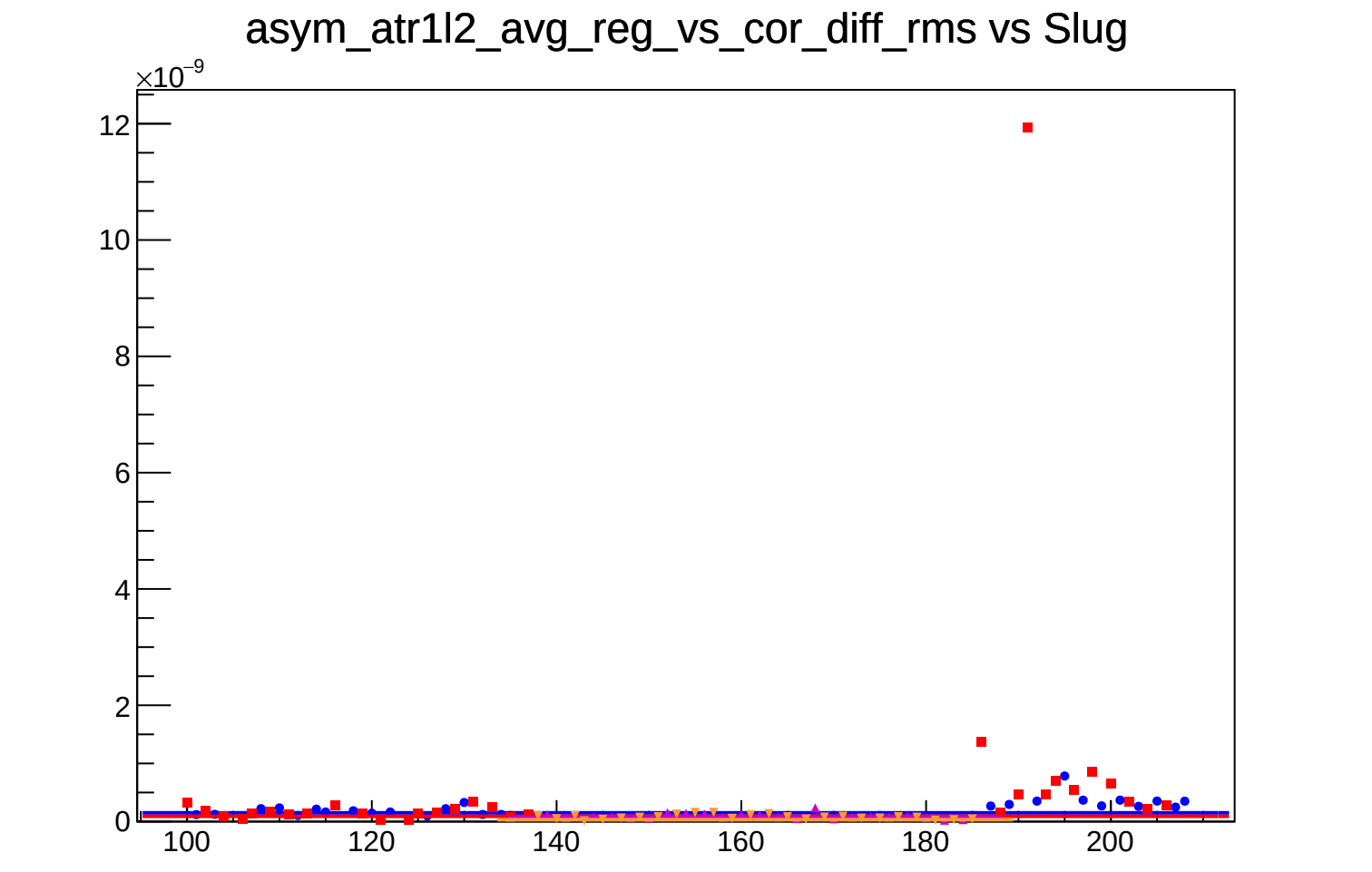
Right Out: 0.000+/-0.000 χ^2/NDF: 39.4/30

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.0/51

All: 0.000+/-0.000 χ^2/NDF: 114.4/105

- sign 0.000+/-0.000 χ^2/NDF: 62.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 3014782.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7014949.5/30

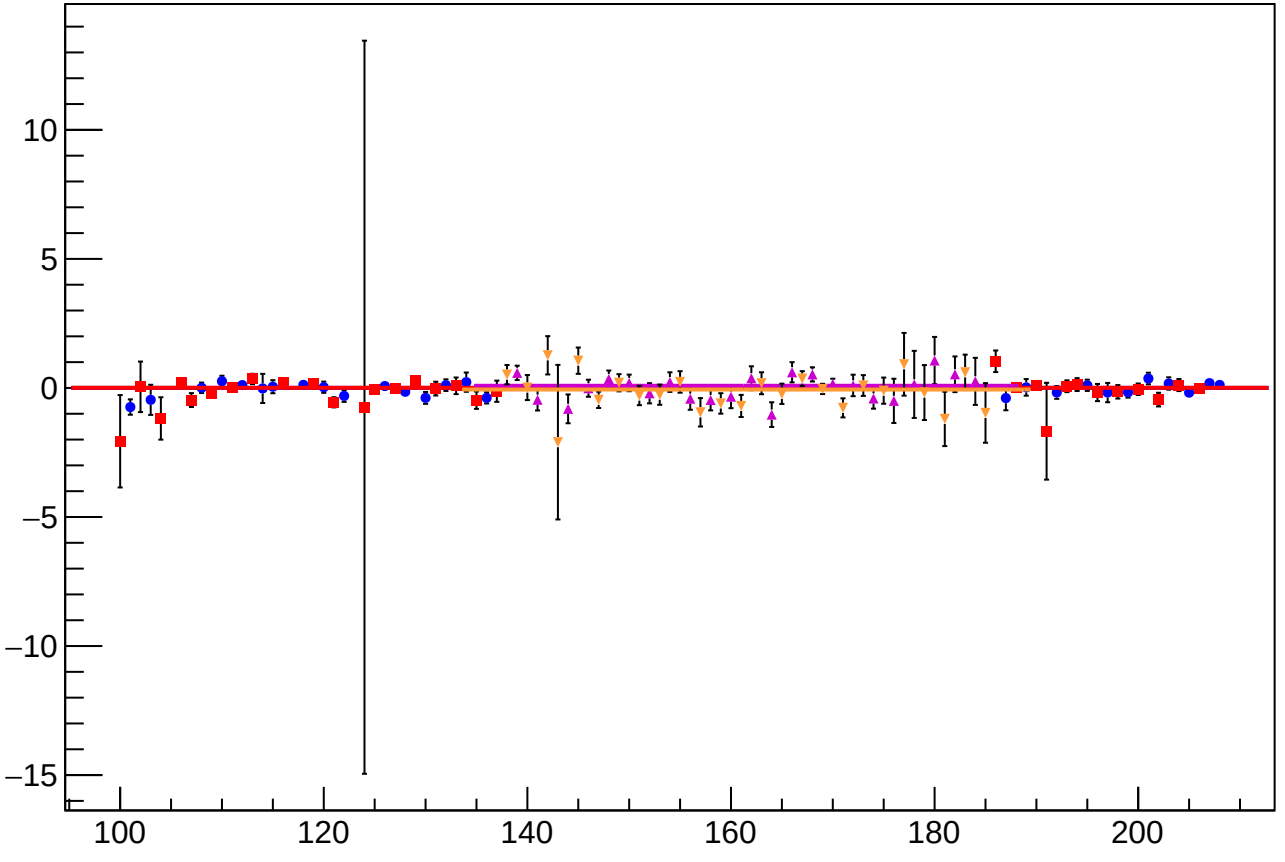
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14830745.1/51

All: 0.000+/-0.000 χ^2/NDF: 27099484.9/105

- sign 0.000+/-0.000 χ^2/NDF: 9788622.9/53

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.041 χ^2/NDF: 28.1/26

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.006+/-0.039 χ^2/NDF: 40.1/30

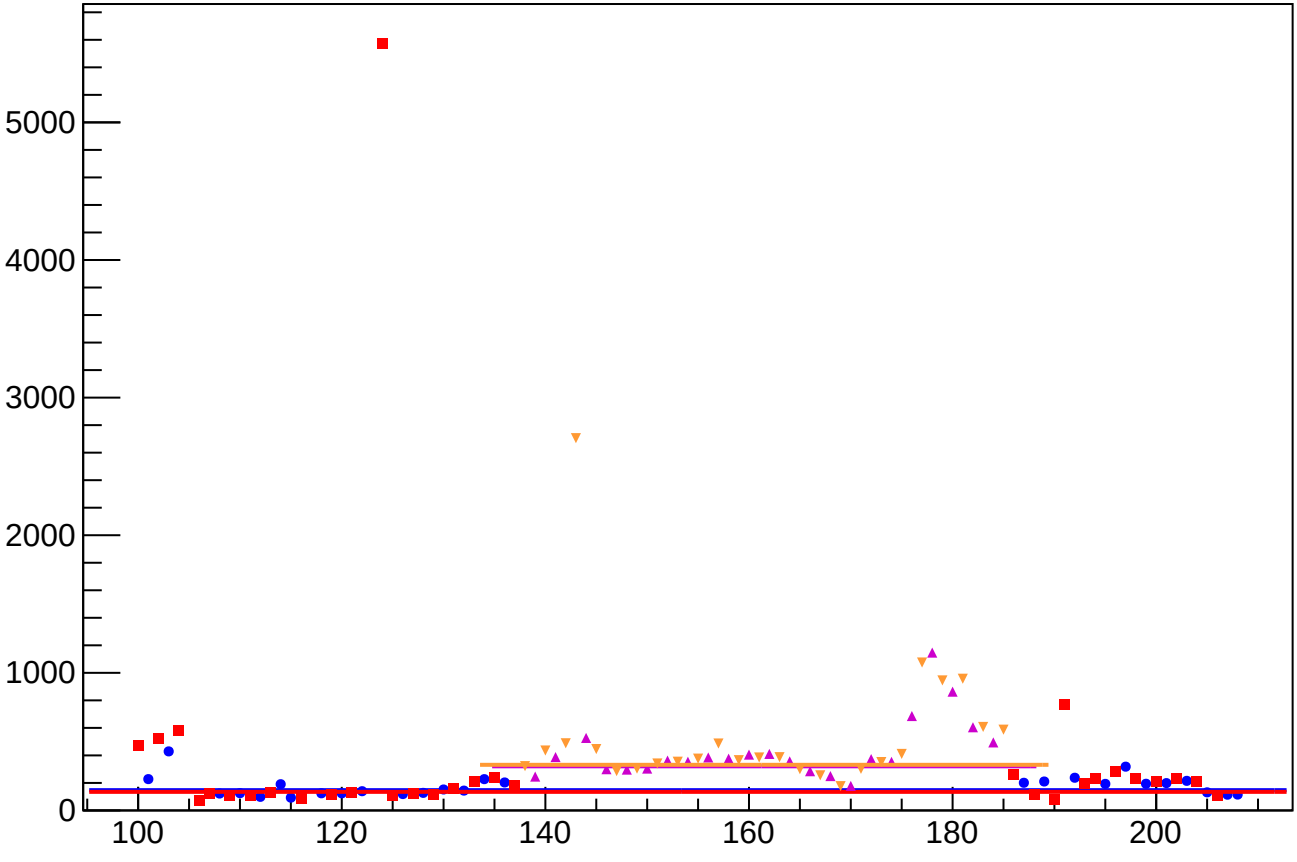
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.010+/-0.037 χ^2/NDF: 59.3/51

All: 0.006+/-0.025 χ^2/NDF: 127.5/105

\- sign 0.020+/-0.035 χ^2/NDF: 67.8/53

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 147.504+/-0.029 χ^2/NDF: 2844501.2/26

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

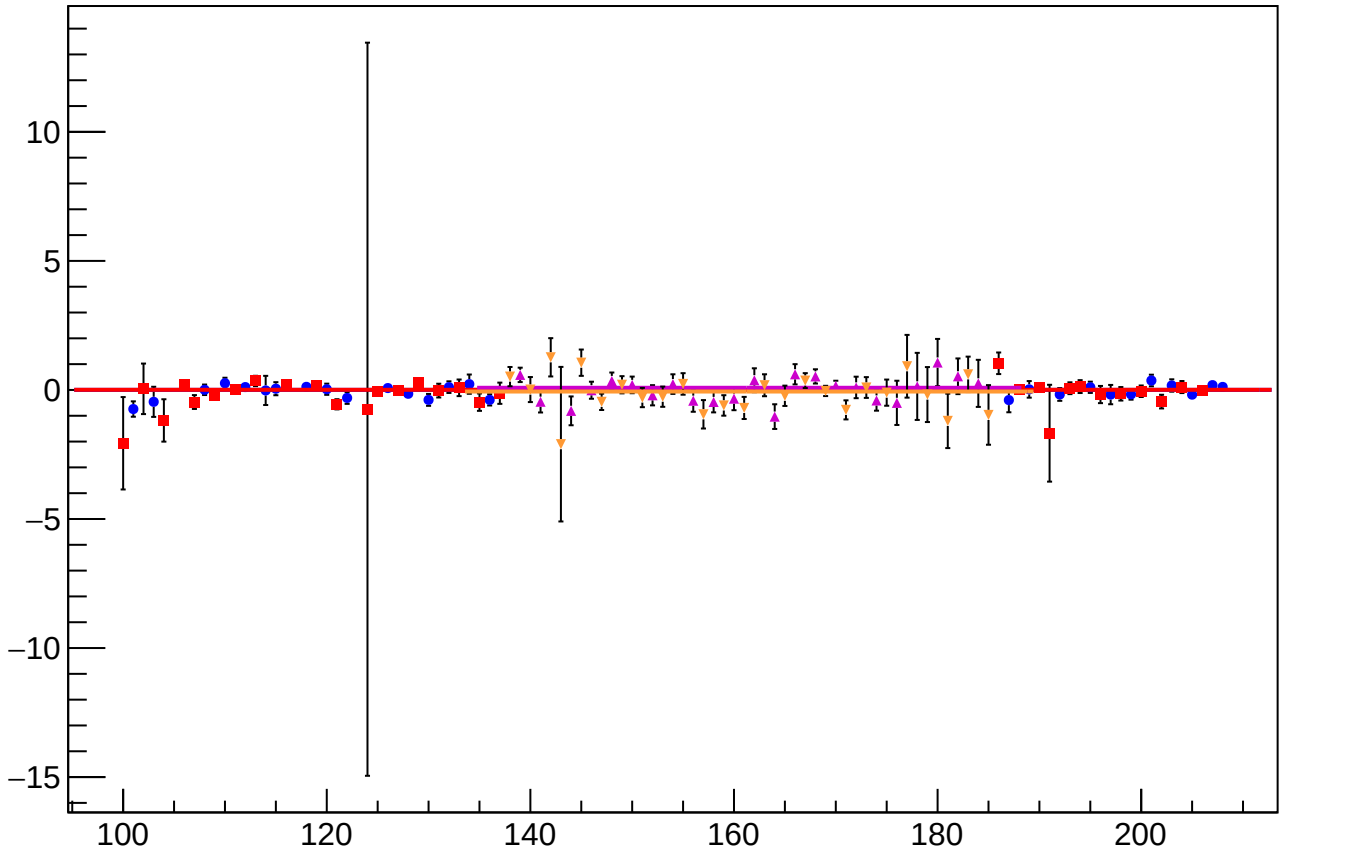
Right Out: 135.158+/-0.027 χ^2/NDF: 4909545.6/30

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 182.957+/-0.026 χ^2/NDF: 16500975.3/51

All: 175.873+/-0.018 χ^2/NDF: 34327344.0/10

- sign 169.476+/-0.025 χ^2/NDF: 17684718.7/53



Right In: 0.002+/-0.041 χ^2/NDF: 28.1/26

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.006+/-0.039 χ^2/NDF: 40.1/30

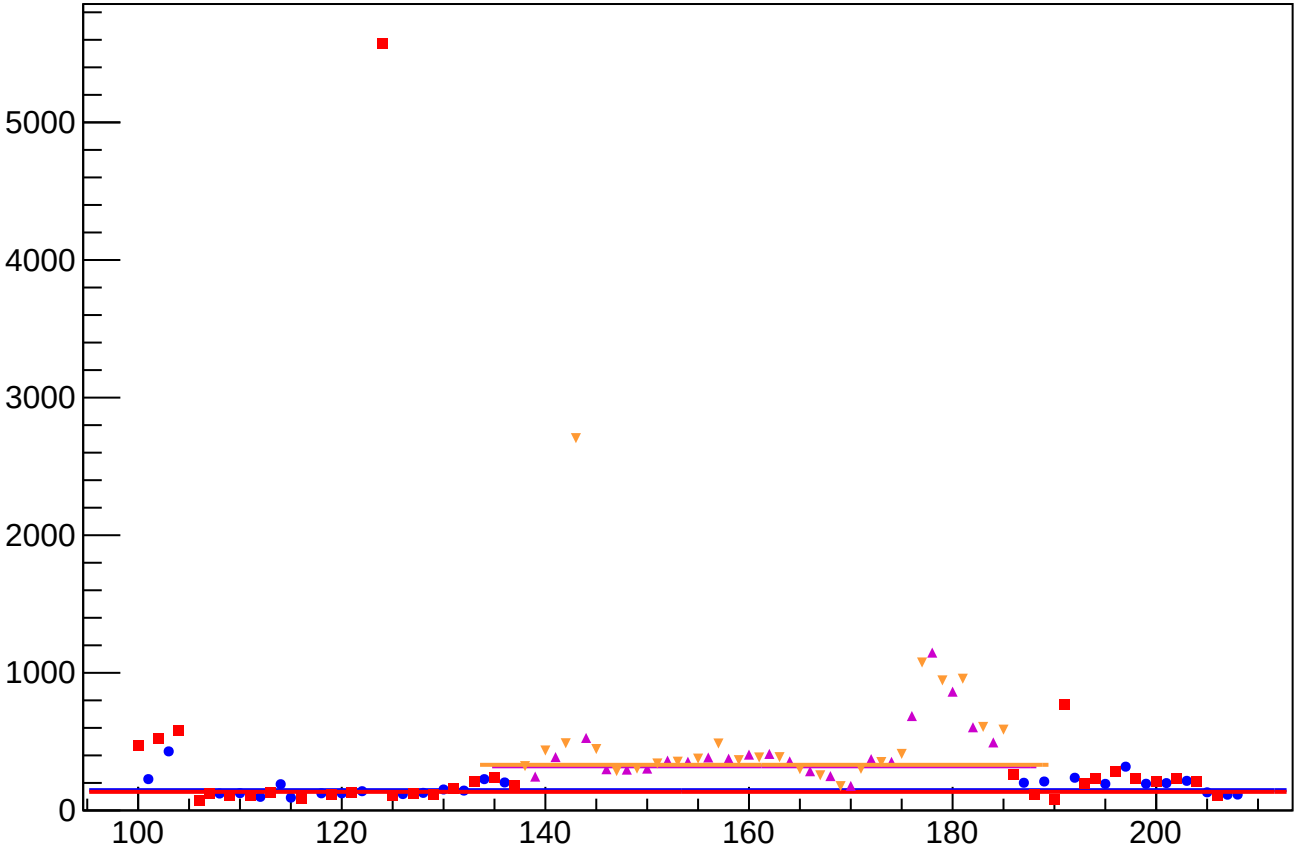
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.010+/-0.037 χ^2/NDF: 59.3/51

All: 0.006+/-0.025 χ^2/NDF: 127.5/105

\- sign 0.020+/-0.035 χ^2/NDF: 67.8/53

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 147.504+/-0.029 χ^2/NDF: 2844501.2/26

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

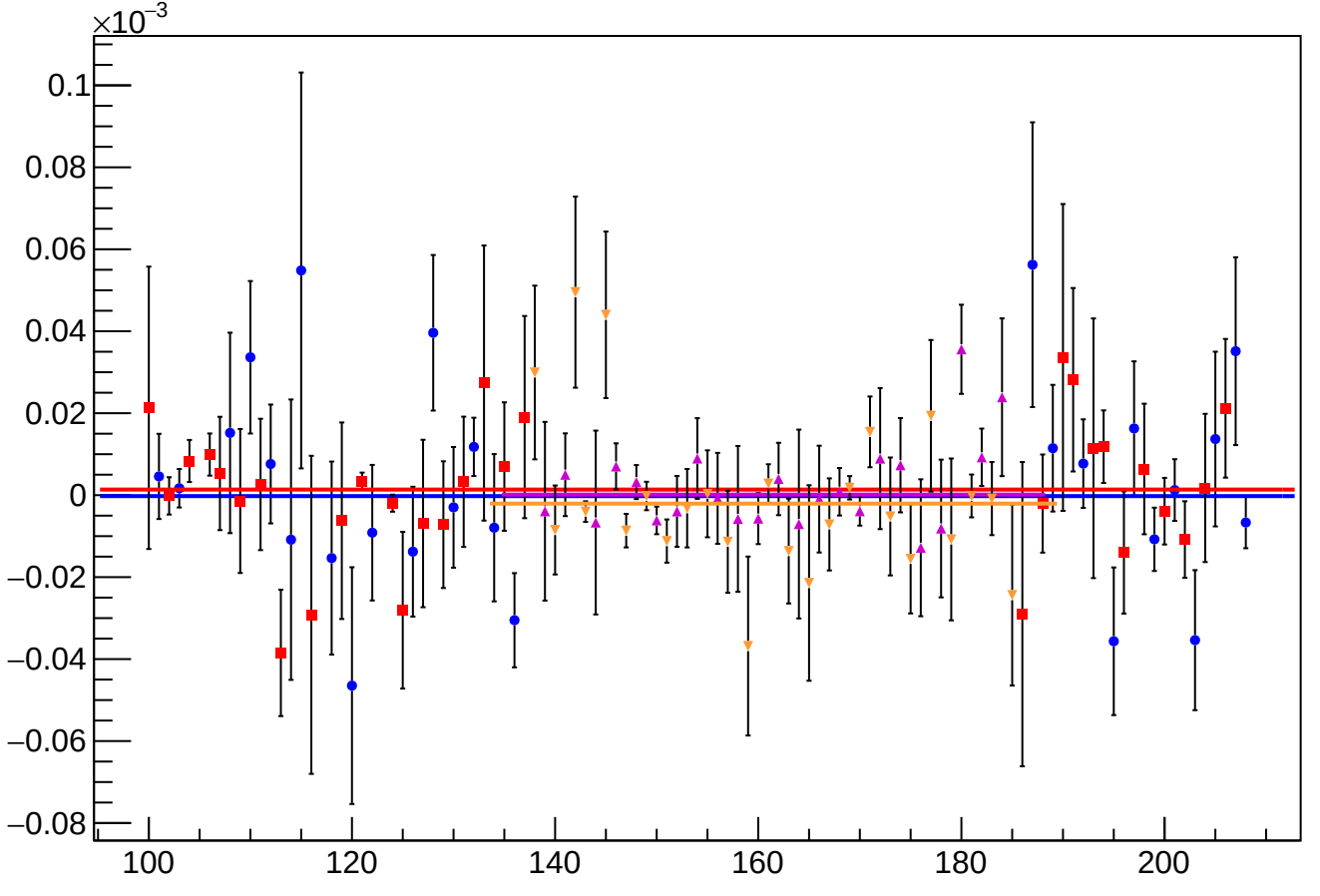
Right Out: 135.158+/-0.027 χ^2/NDF: 4909545.6/30

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 182.957+/-0.026 χ^2/NDF: 16500975.3/51

All: 175.873+/-0.018 χ^2/NDF: 34327344.0/10

- sign 169.476+/-0.025 χ^2/NDF: 17684718.7/53



Right In: -0.000+/-0.000 χ^2/NDF: 42.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

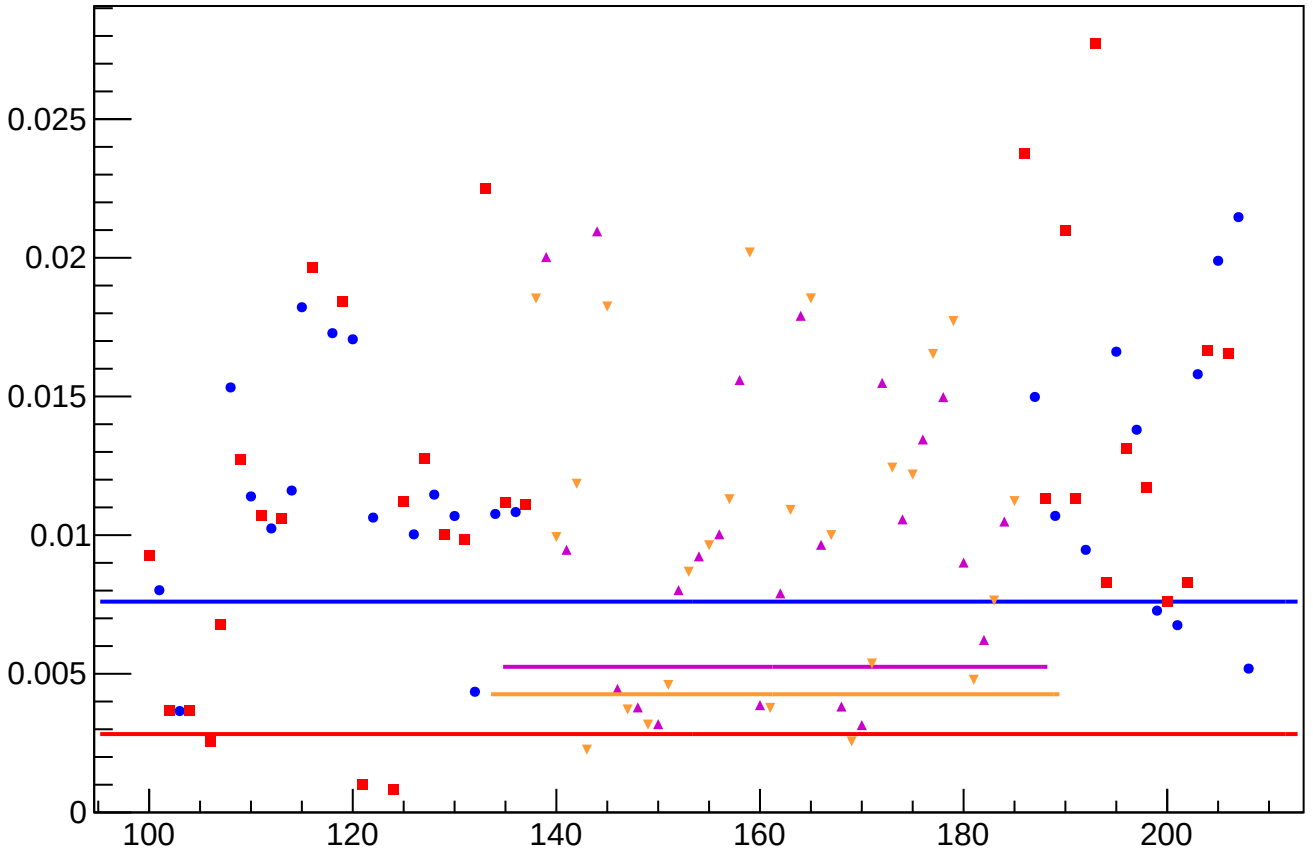
Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/30

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.2/51

All: -0.000+/-0.000 χ^2/NDF: 135.9/105

- sign 0.000+/-0.000 χ^2/NDF: 54.6/53



Right In: 0.008+/-0.000 χ^2/NDF: 6560366.8/26

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

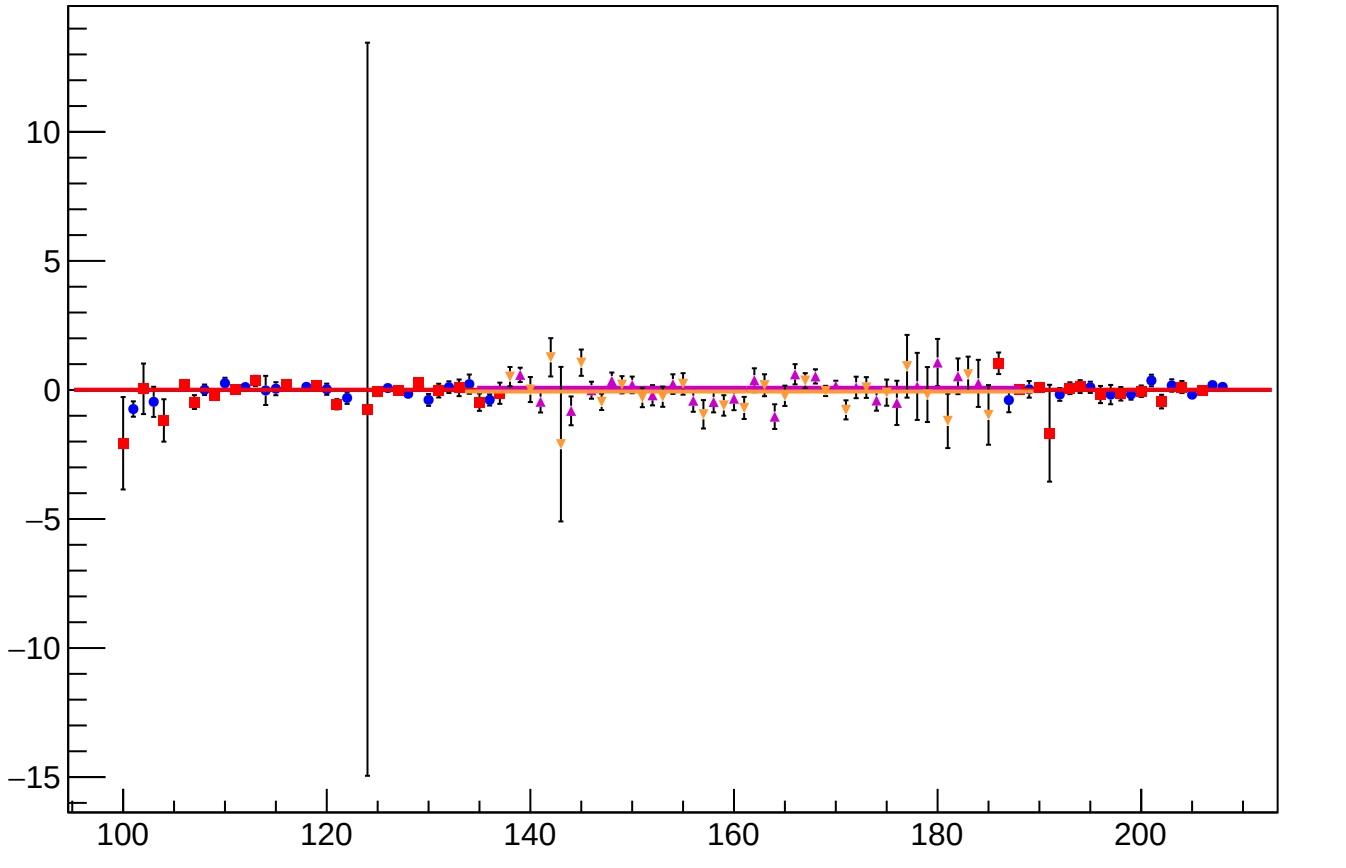
Right Out: 0.003+/-0.000 χ^2/NDF: 19645072.4/30

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 22951936.0/51

All: 0.004+/-0.000 χ^2/NDF: 56919075.6/105

- sign 0.004+/-0.000 χ^2/NDF: 32325690.1/53



Right In: 0.002+/-0.041 χ^2/NDF: 28.1/26

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.006+/-0.039 χ^2/NDF: 40.1/30

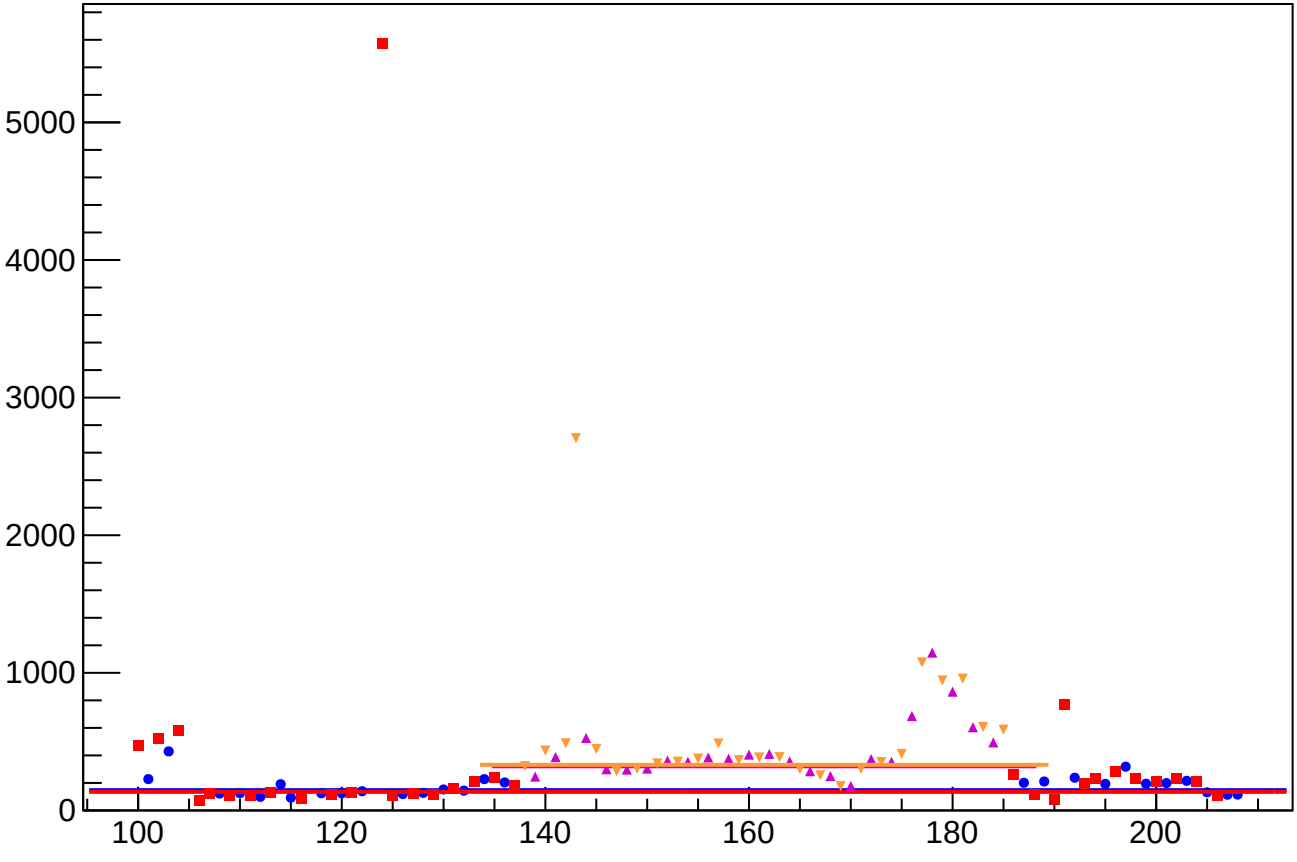
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.010+/-0.037 χ^2/NDF: 59.3/51

All: 0.006+/-0.025 χ^2/NDF: 127.5/105

\- sign 0.020+/-0.035 χ^2/NDF: 67.8/53

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 147.504+/-0.029 χ^2/NDF: 2844476.3/26

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

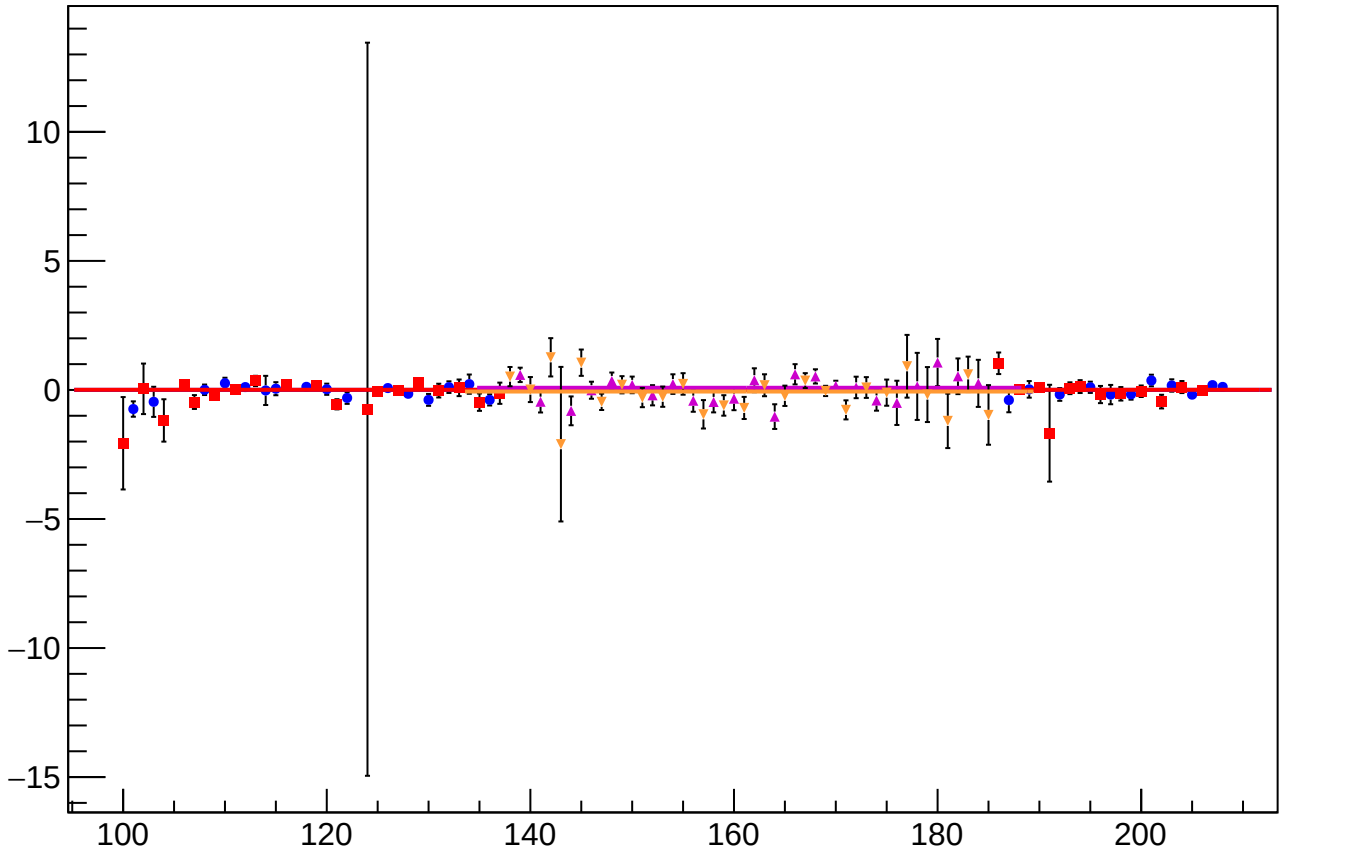
Right Out: 135.157+/-0.027 χ^2/NDF: 4909590.2/30

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 182.958+/-0.026 χ^2/NDF: 16501074.8/51

All: 175.872+/-0.018 χ^2/NDF: 34327720.9/10

- sign 169.475+/-0.025 χ^2/NDF: 17684977.1/53



Right In: 0.002+/-0.041 χ^2/NDF: 28.1/26

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

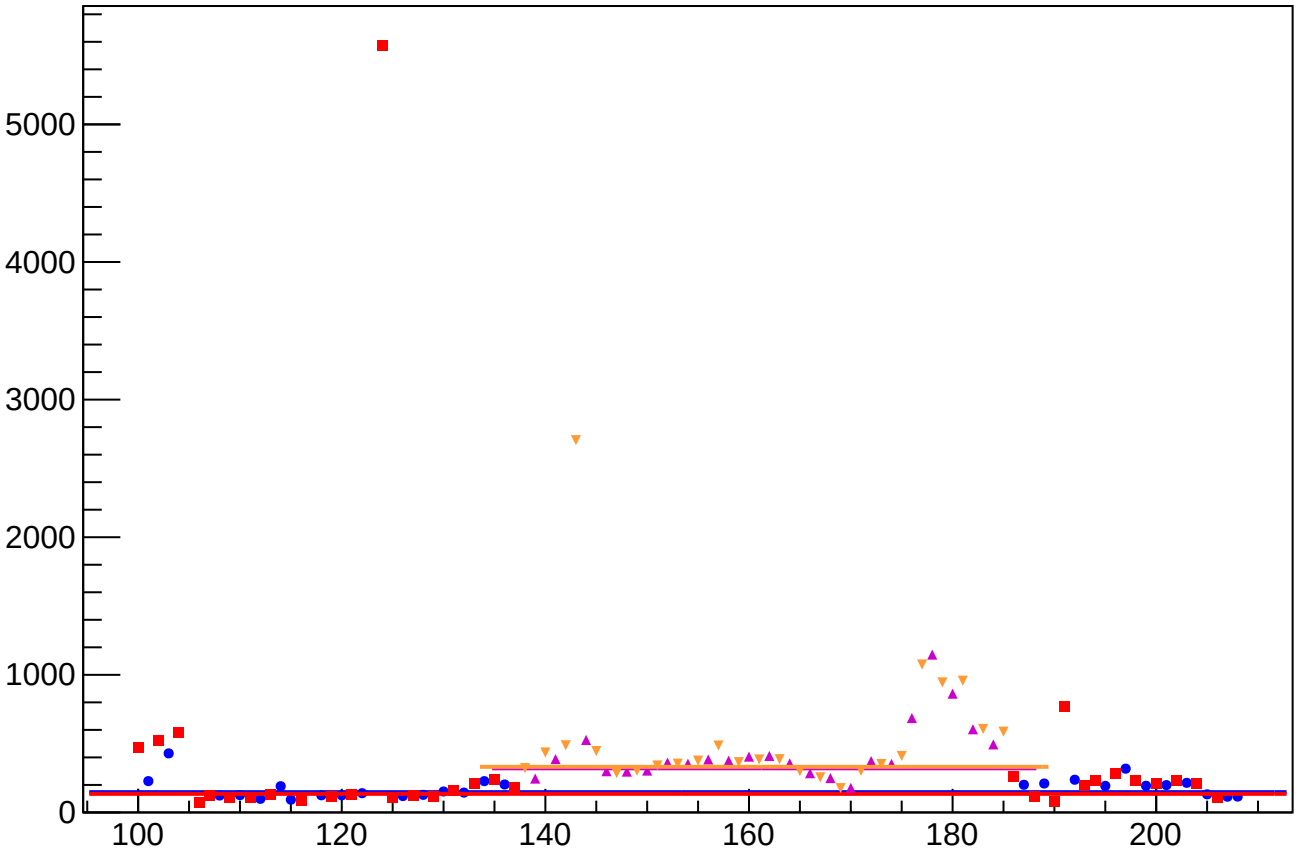
Right Out: 0.006+/-0.039 χ^2/NDF: 40.1/30

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.010+/-0.037 χ^2/NDF: 59.3/51

All: 0.006+/-0.025 χ^2/NDF: 127.5/105

\- sign 0.020+/-0.035 χ^2/NDF: 67.8/53



Right In: 147.504+/-0.029 χ^2/NDF: 2844476.3/26

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

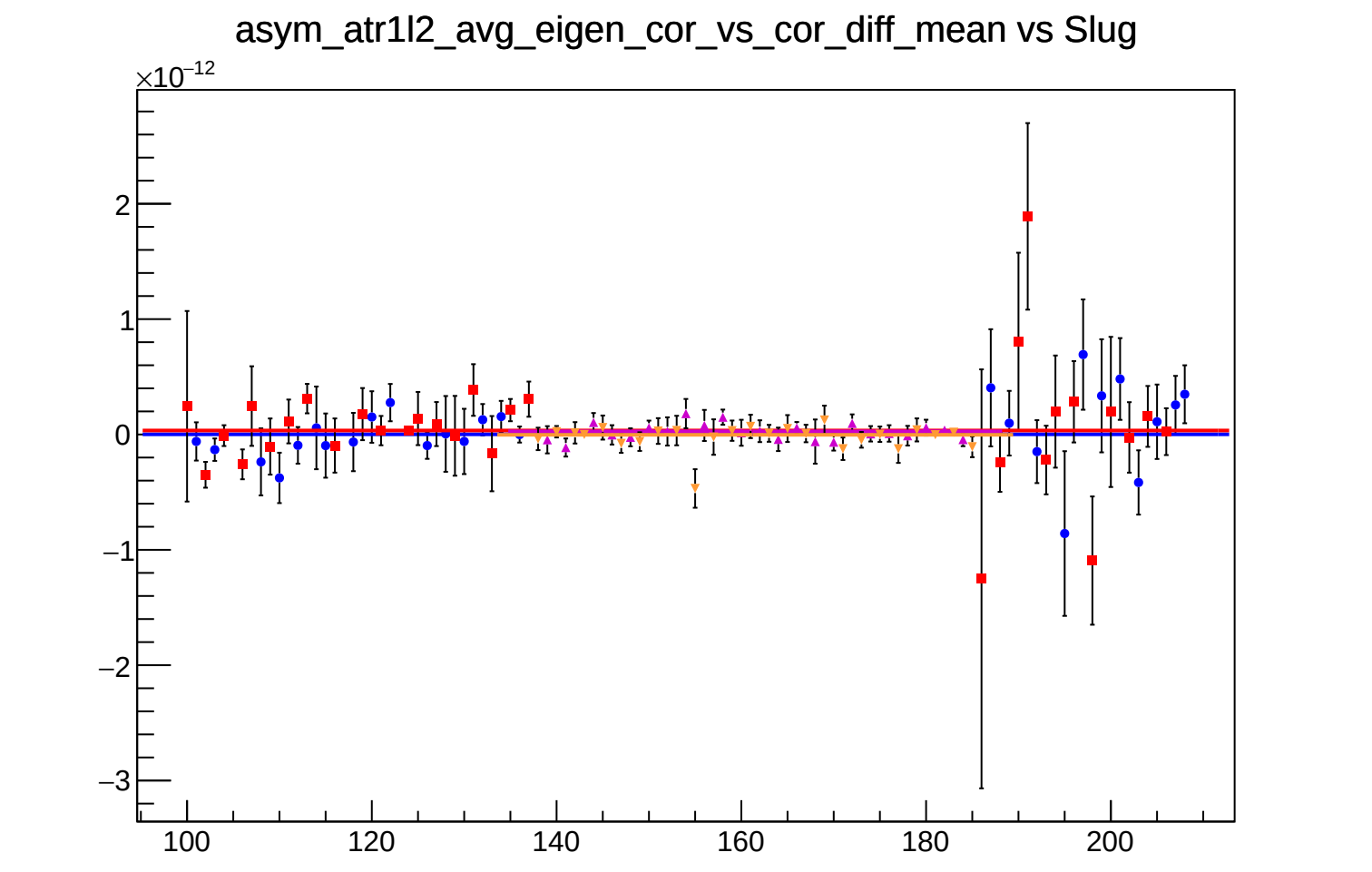
Right Out: 135.157+/-0.027 χ^2/NDF: 4909590.2/30

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 182.958+/-0.026 χ^2/NDF: 16501074.8/51

All: 175.872+/-0.018 χ^2/NDF: 34327720.9/10

- sign 169.475+/-0.025 χ^2/NDF: 17684977.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.8/30

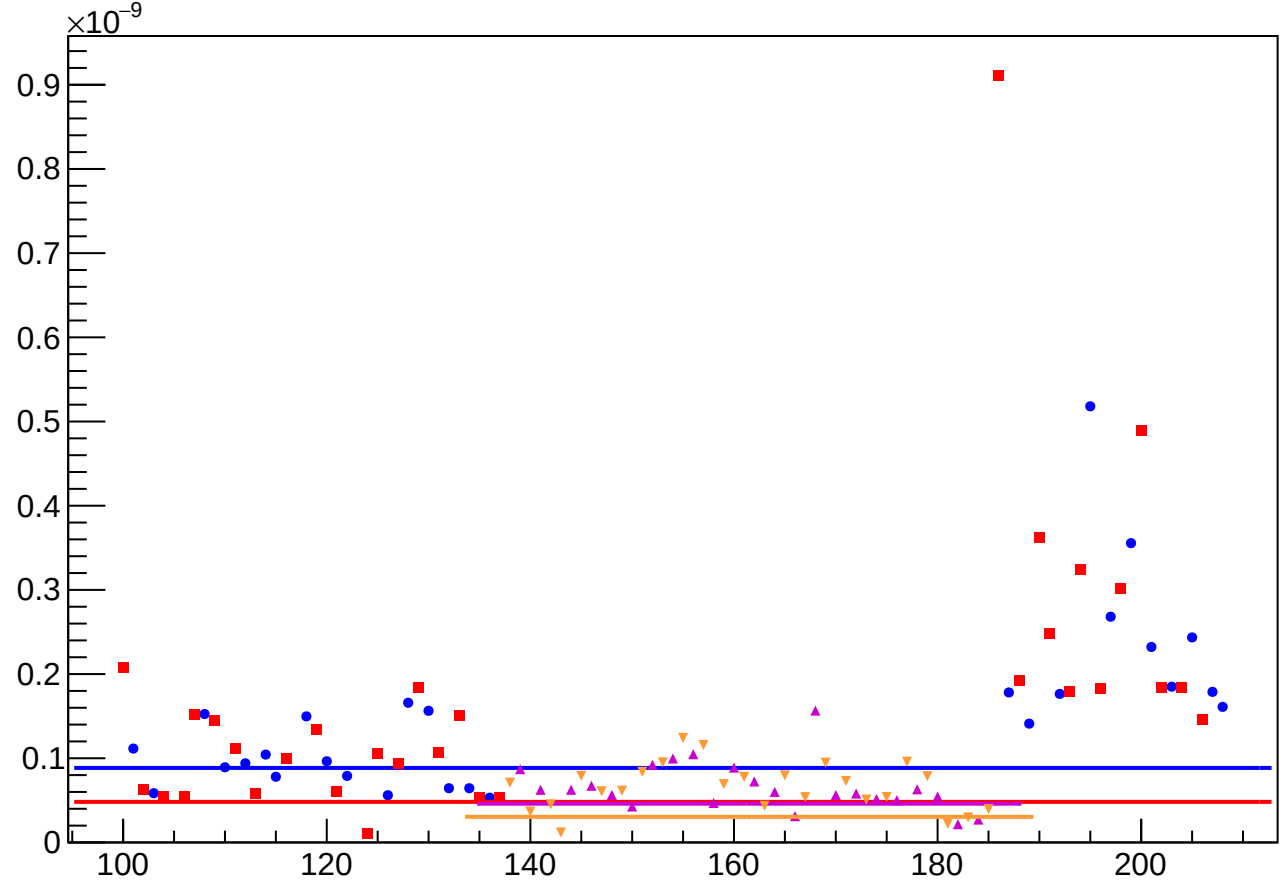
Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.7/51

All: 0.000+/-0.000 χ^2/NDF: 108.5/105

- sign 0.000+/-0.000 χ^2/NDF: 63.0/53

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4883198.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10133807.3/30

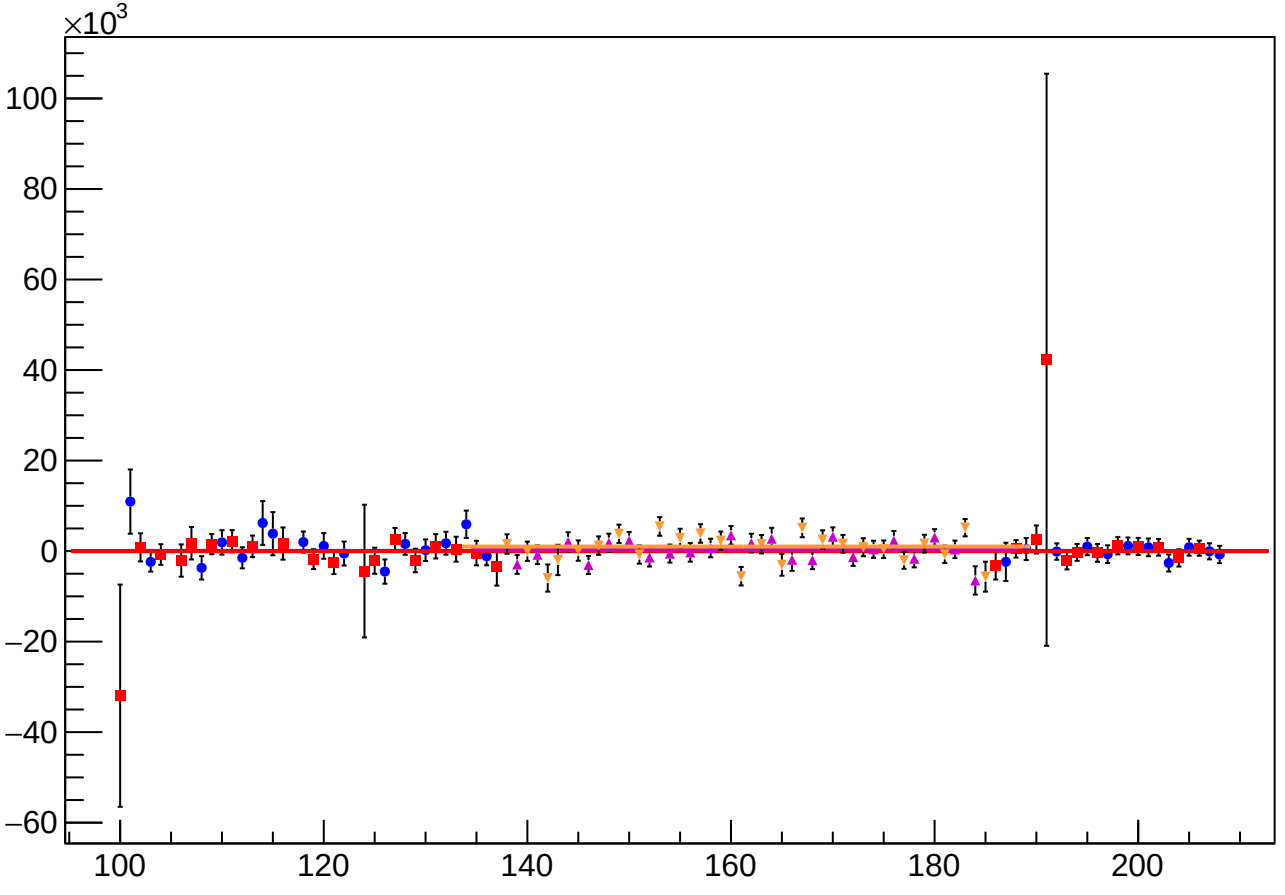
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 20479651.5/51

All: 0.000+/-0.000 χ^2/NDF: 36463515.9/105

- sign 0.000+/-0.000 χ^2/NDF: 15045197.5/53

reg_asym_atr1l2_dd_mean vs Slug



Right In: 34.777+/-446.187 χ^2/NDF: 21.3/26

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -17.279+/-443.737 χ^2/NDF: 14.0/30

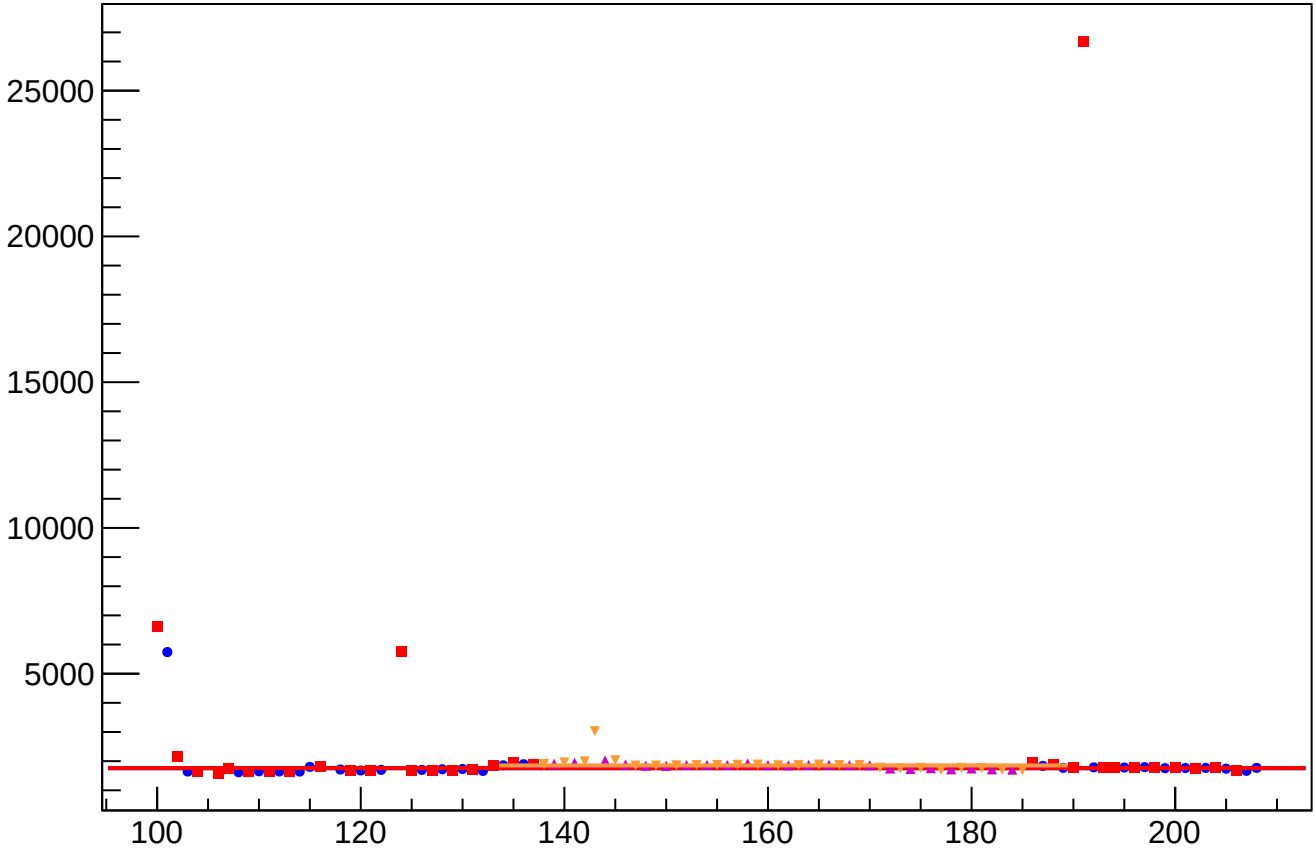
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 545.790+/-306.816 χ^2/NDF: 71.2/51

All: 329.211+/-217.610 χ^2/NDF: 112.7/105

- sign 109.984+/-308.687 χ^2/NDF: 40.6/53

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1755.594+/-0.316 χ^2/NDF: 677639.0/26

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1761.751+/-0.313 χ^2/NDF: 644693.7/30

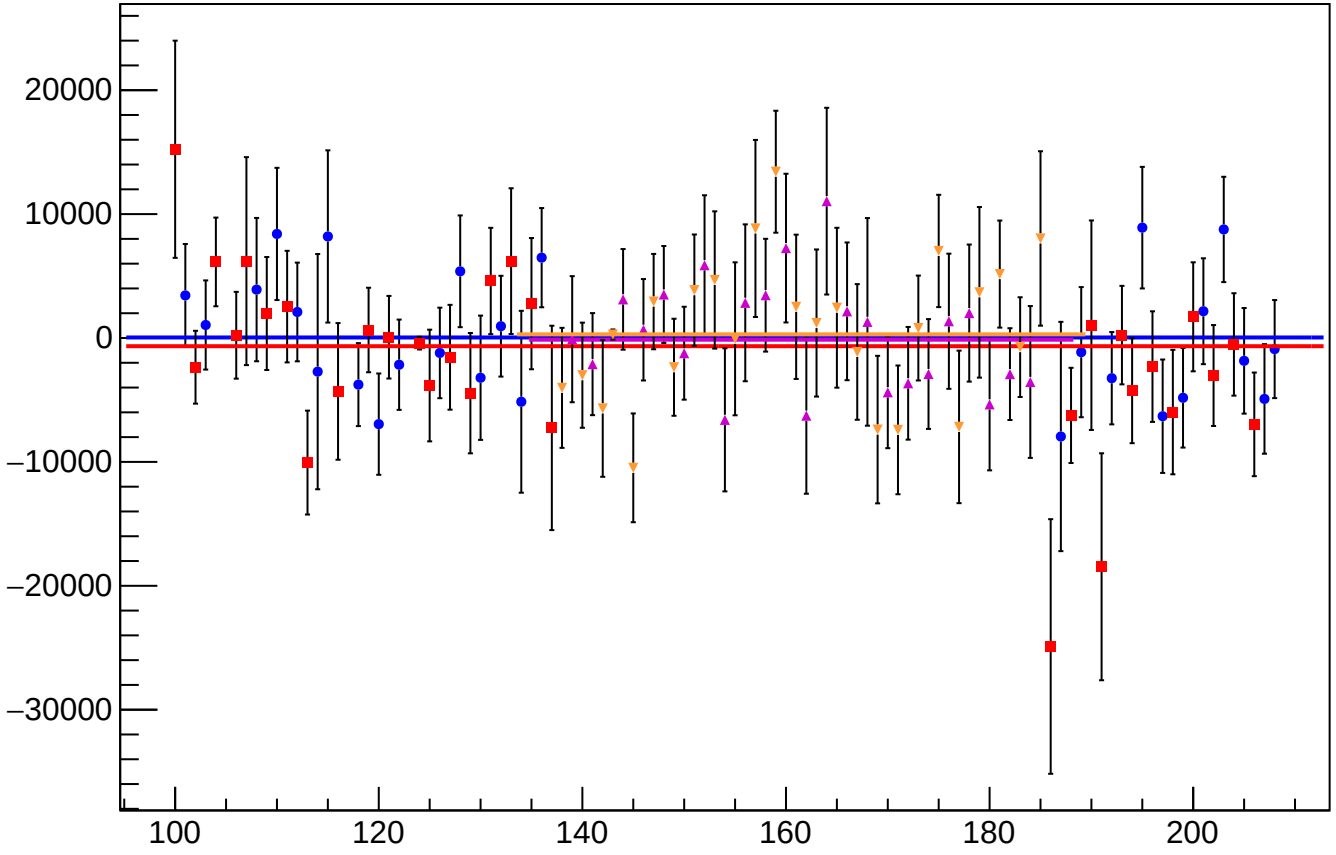
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1806.696+/-0.217 χ^2/NDF: 1048444.1/51

All: 1803.982+/-0.154 χ^2/NDF: 1792937.9/10

- sign 1801.243+/-0.218 χ^2/NDF: 744179.4/53

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 42.417+/-852.436 χ^2/NDF: 29.2/26

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -662.290+/-434.043 χ^2/NDF: 36.2/30

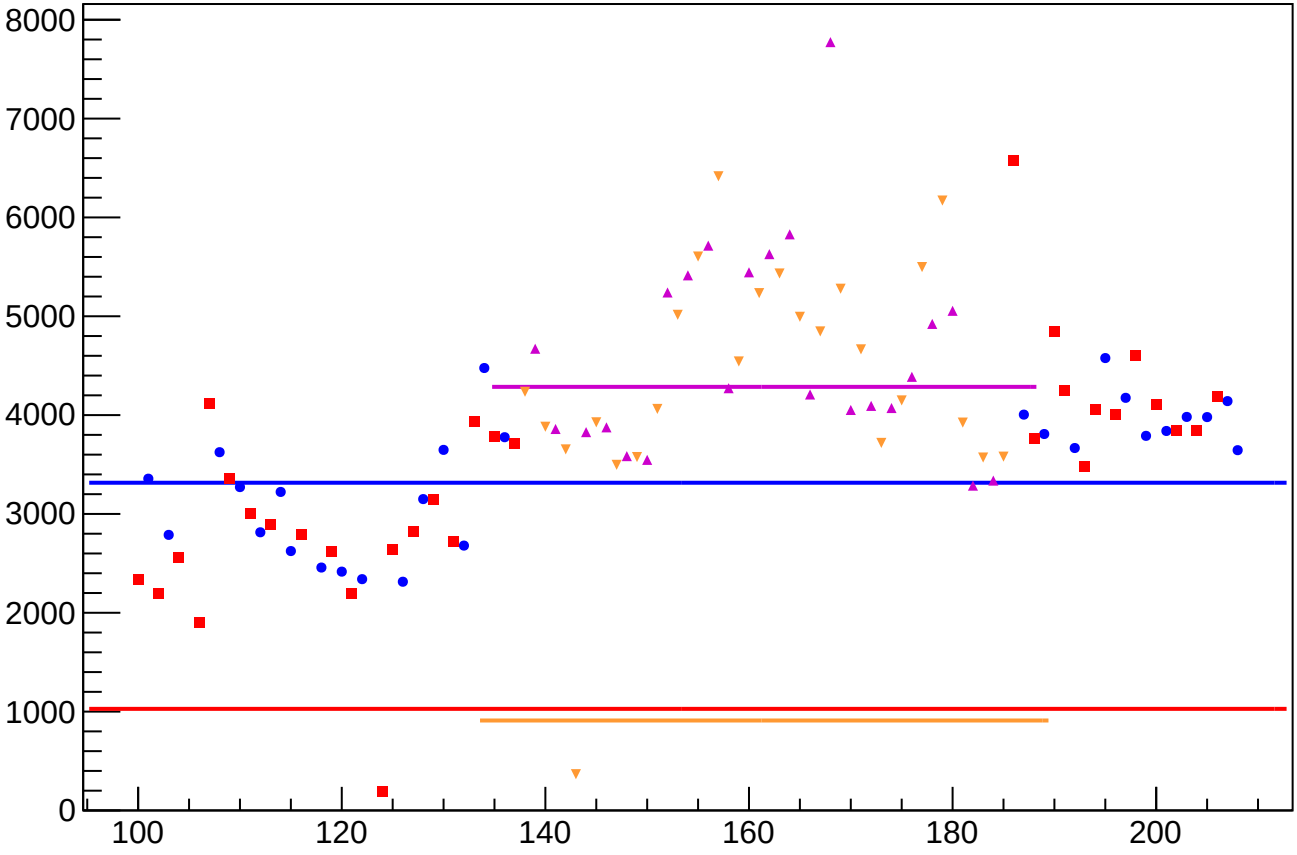
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 252.647+/-347.016 χ^2/NDF: 59.3/51

All: -106.373+/-262.000 χ^2/NDF: 112.1/105

- sign -582.352+/-399.563 χ^2/NDF: 50.3/53

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3315.720+/-0.603 χ^2/NDF: 1247813.1/26

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 1027.941+/-0.307 χ^2/NDF: 21196240.1/30

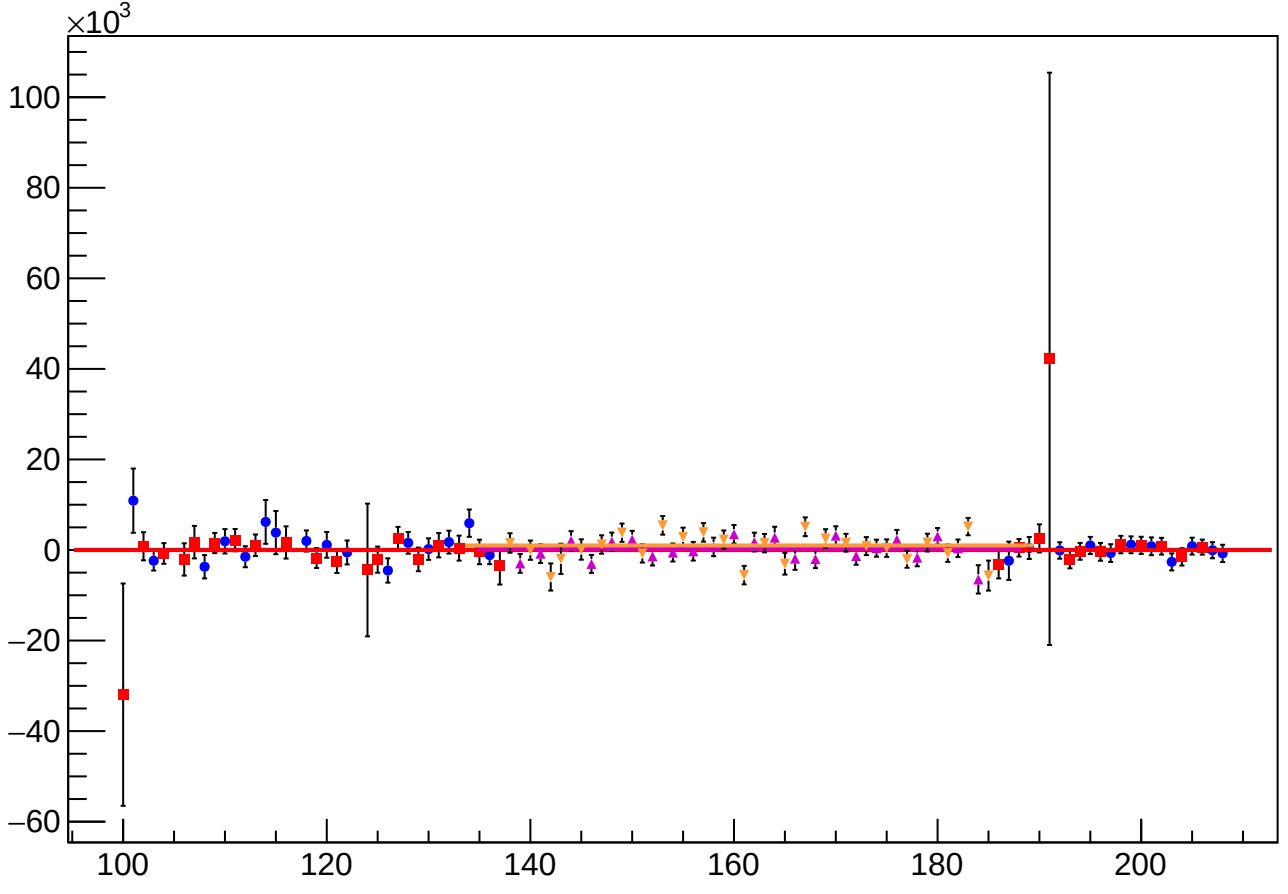
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1308.790+/-0.245 χ^2/NDF: 41309937.9/51

All: 1401.751+/-0.185 χ^2/NDF: 81359135.4/1

- sign 1524.997+/-0.283 χ^2/NDF: 39715387.2/53

cor_asym_atr1l2_dd_mean vs Slug



Right In: 34.632+/-446.187 χ^2/NDF: 21.3/26

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -17.268+/-443.737 χ^2/NDF: 14.0/30

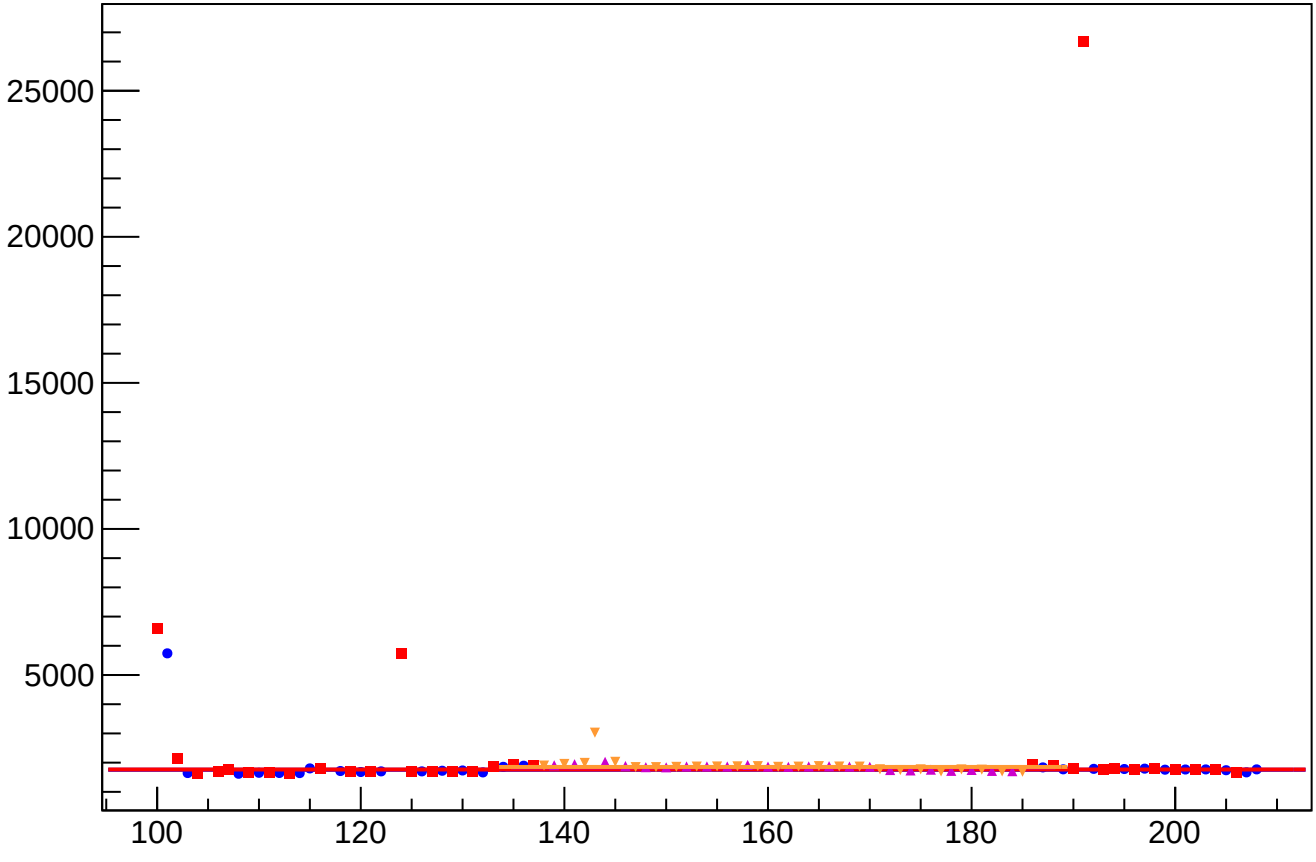
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 545.699+/-306.816 χ^2/NDF: 71.1/51

All: 329.146+/-217.610 χ^2/NDF: 112.7/105

- sign 109.945+/-308.687 χ^2/NDF: 40.6/53

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1755.594+/-0.316 χ^2/NDF: 677639.2/26

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1764.911+/-0.313 χ^2/NDF: 636808.0/30

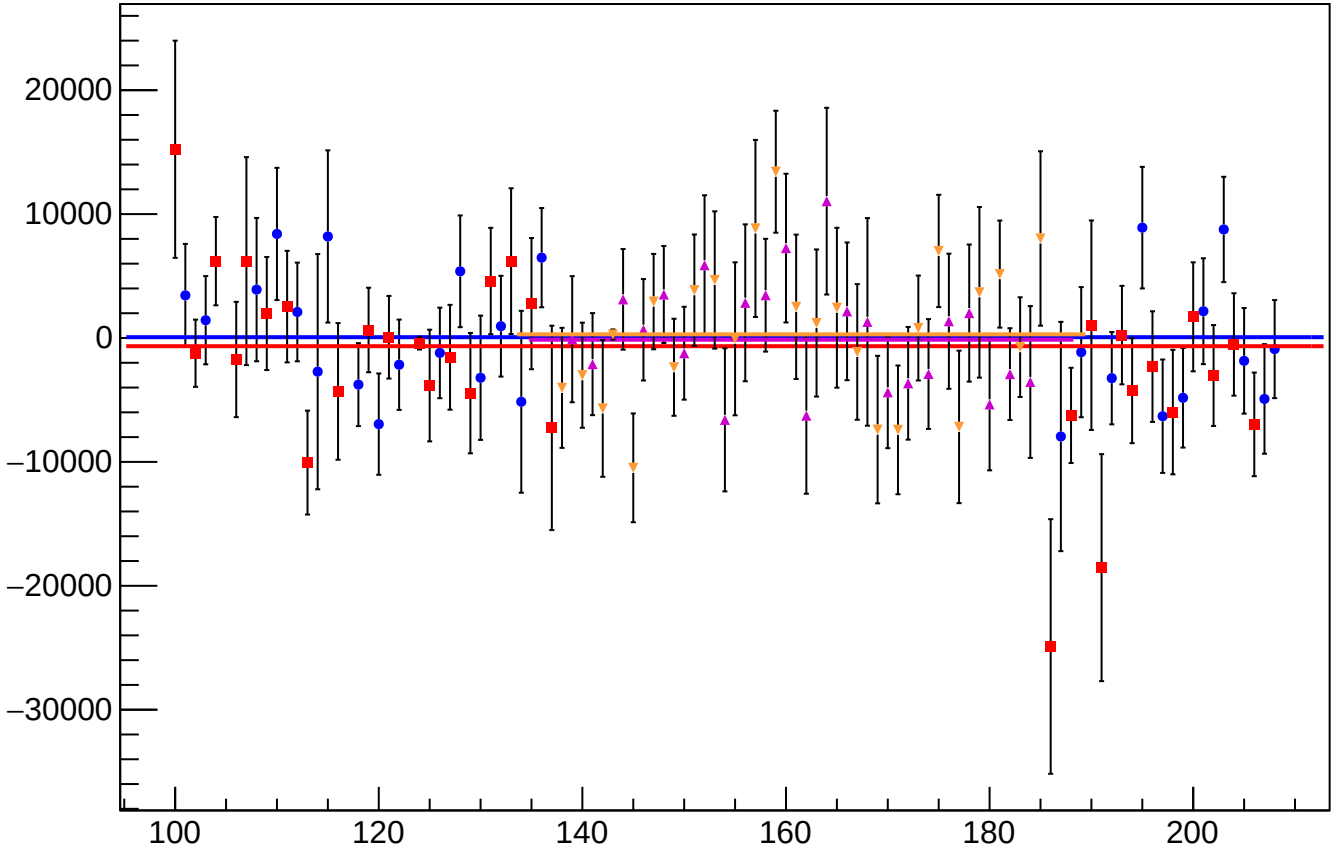
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1806.696+/-0.217 χ^2/NDF: 1048444.4/51

All: 1804.778+/-0.154 χ^2/NDF: 1782346.2/10

- sign 1802.839+/-0.218 χ^2/NDF: 733744.6/53

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 65.724+/-851.954 χ^2/NDF: 29.3/26

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -661.480+/-434.822 χ^2/NDF: 36.0/30

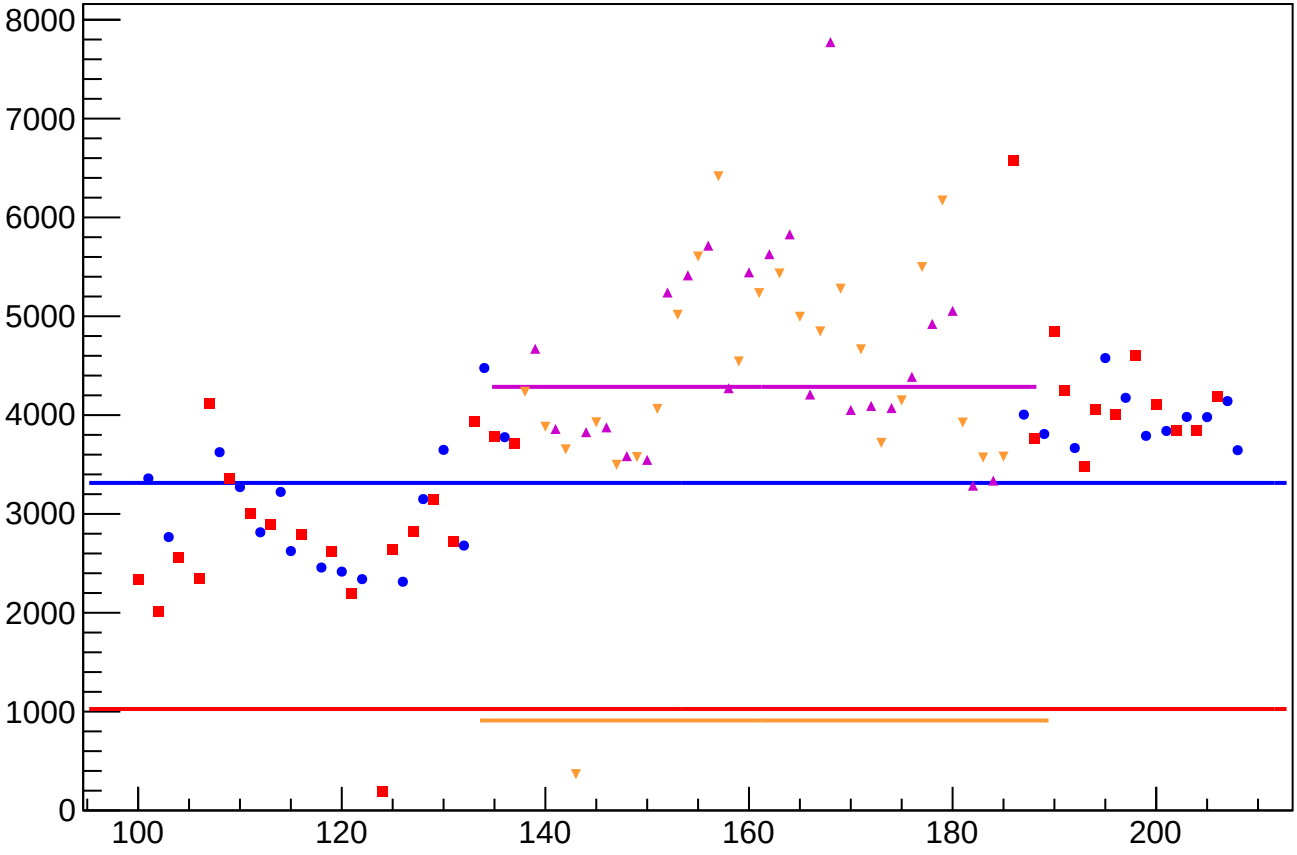
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 257.220+/-347.006 χ^2/NDF: 59.4/51

All: -102.725+/-262.166 χ^2/NDF: 112.0/105

- sign -581.412+/-400.170 χ^2/NDF: 50.1/53

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3313.935+/-0.602 χ^2/NDF: 1252486.4/26

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1026.409+/-0.307 χ^2/NDF: 21168601.4/30

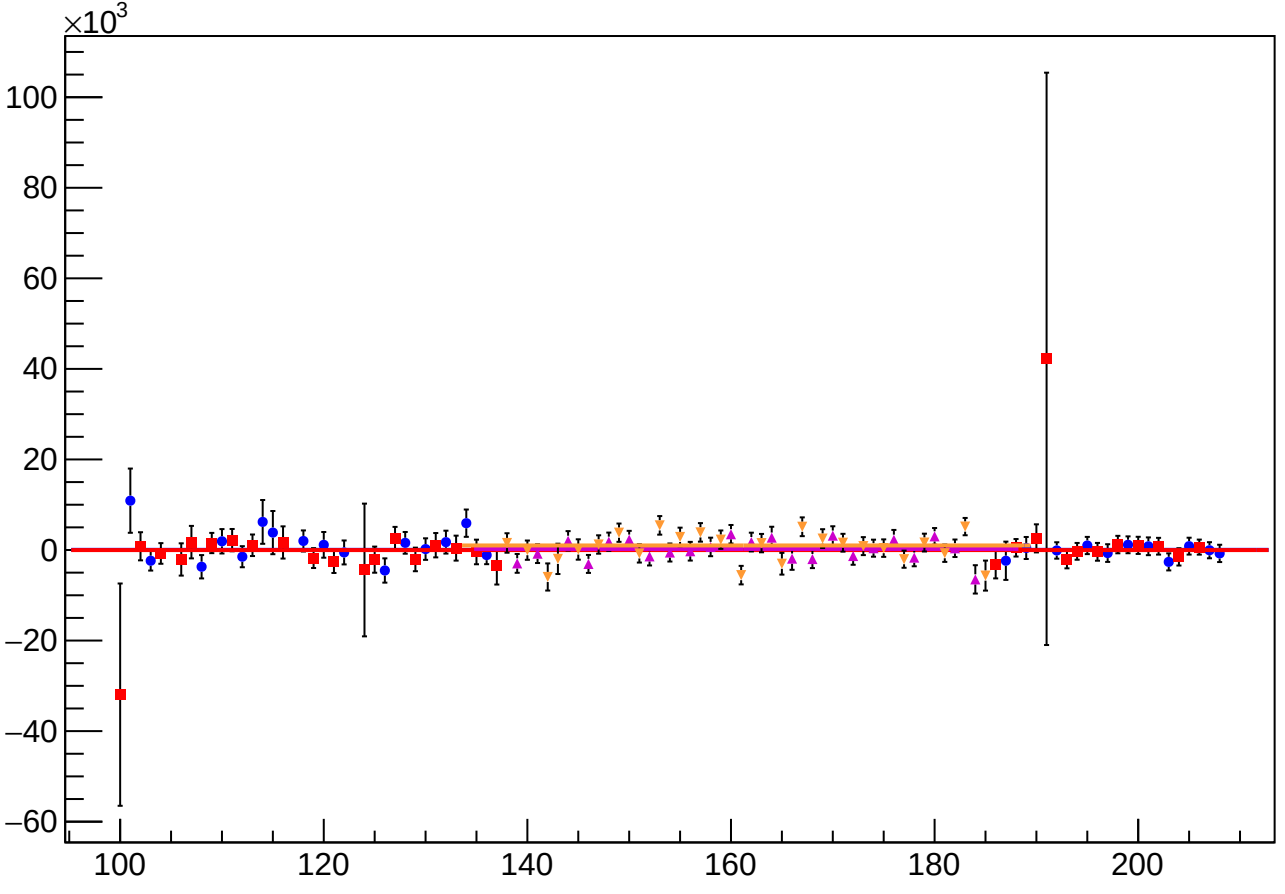
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1309.020+/-0.245 χ^2/NDF: 41304624.8/51

All: 1401.811+/-0.185 χ^2/NDF: 81332285.3/1

- sign 1525.211+/-0.283 χ^2/NDF: 39694468.2/53

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 34.632+/-446.187 χ^2/NDF: 21.3/26

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -17.268+/-443.737 χ^2/NDF: 14.0/30

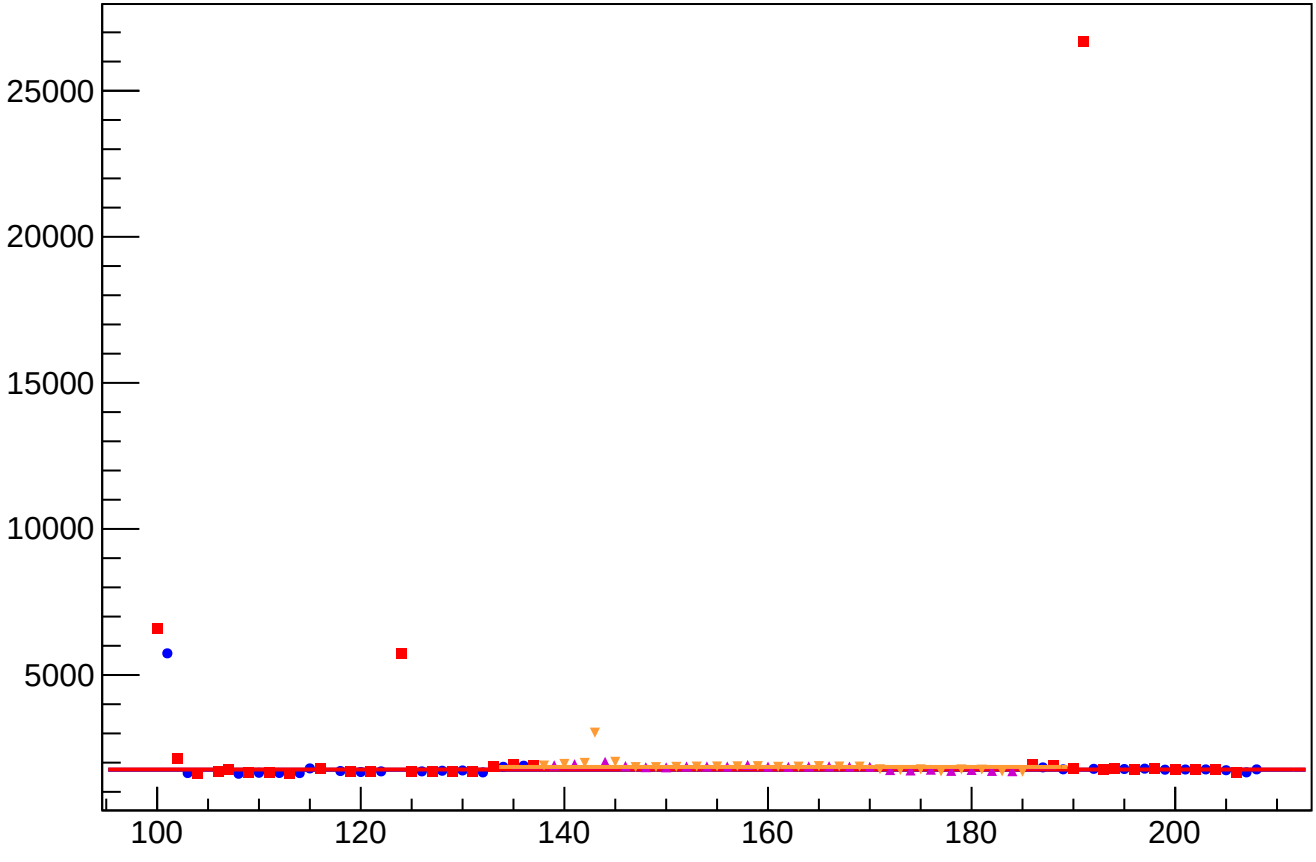
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 545.699+/-306.816 χ^2/NDF: 71.1/51

All: 329.146+/-217.610 χ^2/NDF: 112.7/105

- sign 109.945+/-308.687 χ^2/NDF: 40.6/53

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1755.594+/-0.316 χ^2/NDF: 677639.2/26

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

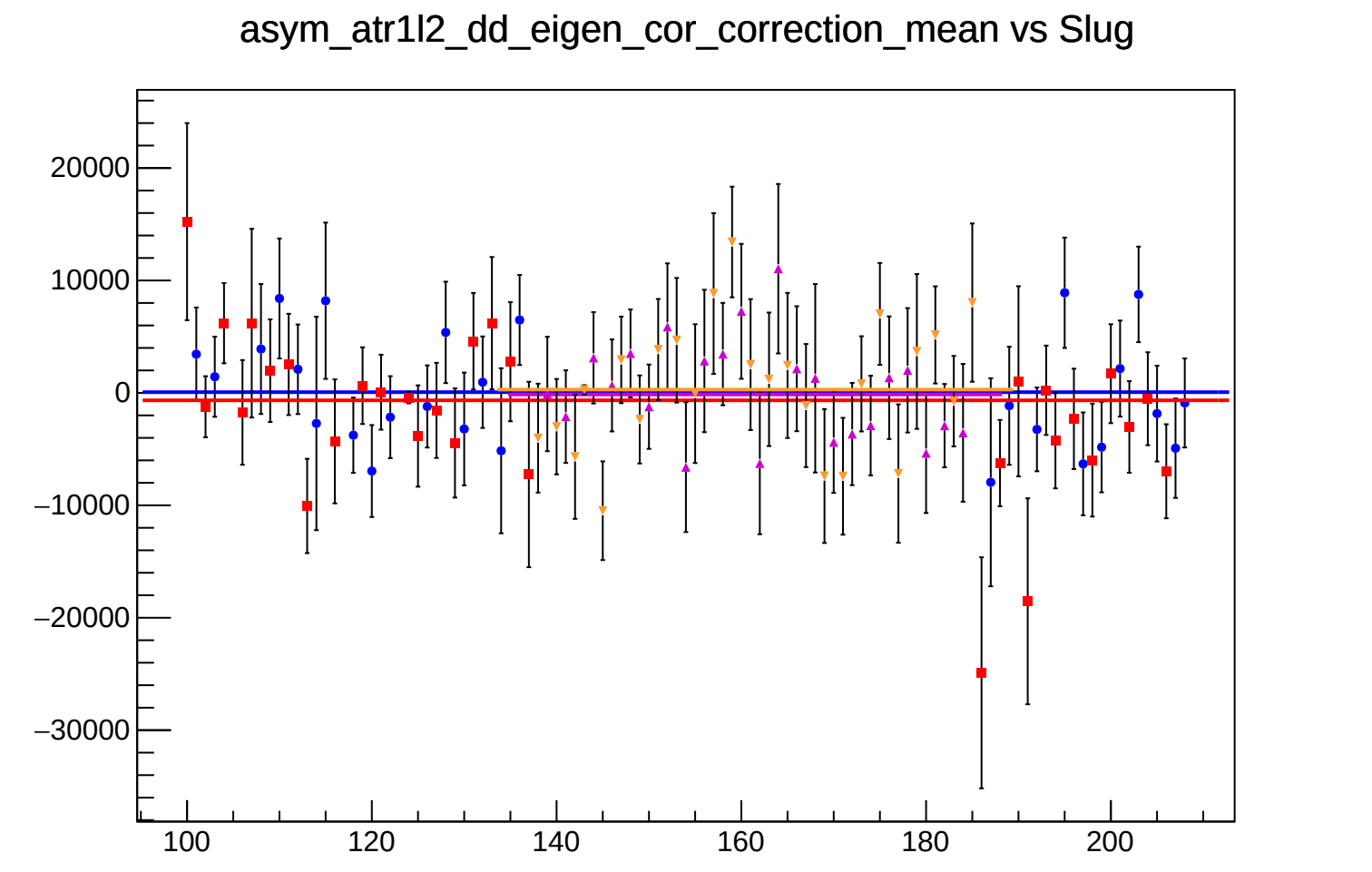
Right Out: 1764.911+/-0.313 χ^2/NDF: 636808.0/30

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1806.696+/-0.217 χ^2/NDF: 1048444.4/51

All: 1804.778+/-0.154 χ^2/NDF: 1782346.2/10

- sign 1802.839+/-0.218 χ^2/NDF: 733744.6/53



Right In: 65.724+/-851.954 χ^2/NDF: 29.3/26

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -661.480+/-434.822 χ^2/NDF: 36.0/30

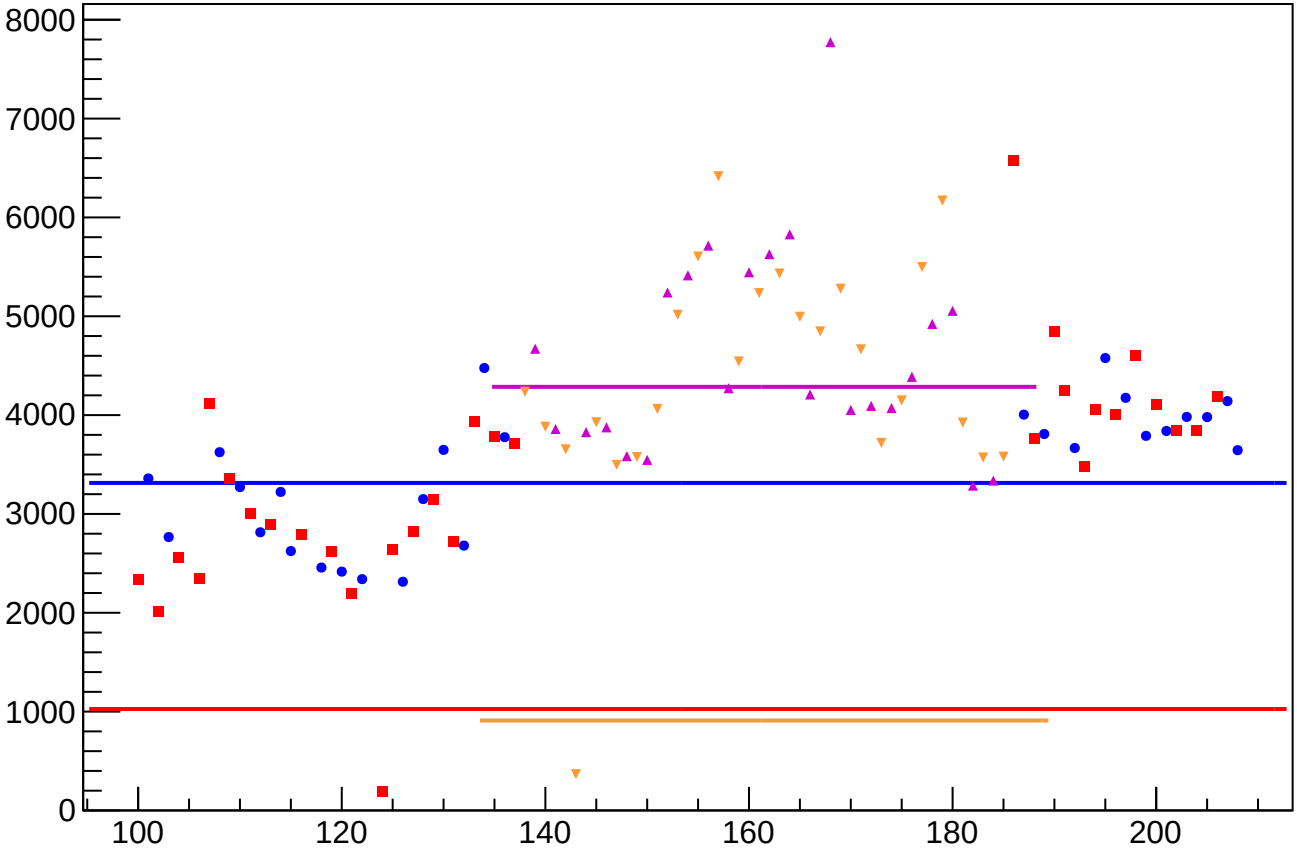
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 257.220+/-347.006 χ^2/NDF: 59.4/51

All: -102.725+/-262.166 χ^2/NDF: 112.0/105

- sign -581.412+/-400.170 χ^2/NDF: 50.1/53

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3313.935+/-0.602 χ^2/NDF: 1252486.4/26

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1026.409+/-0.307 χ^2/NDF: 21168601.4/30

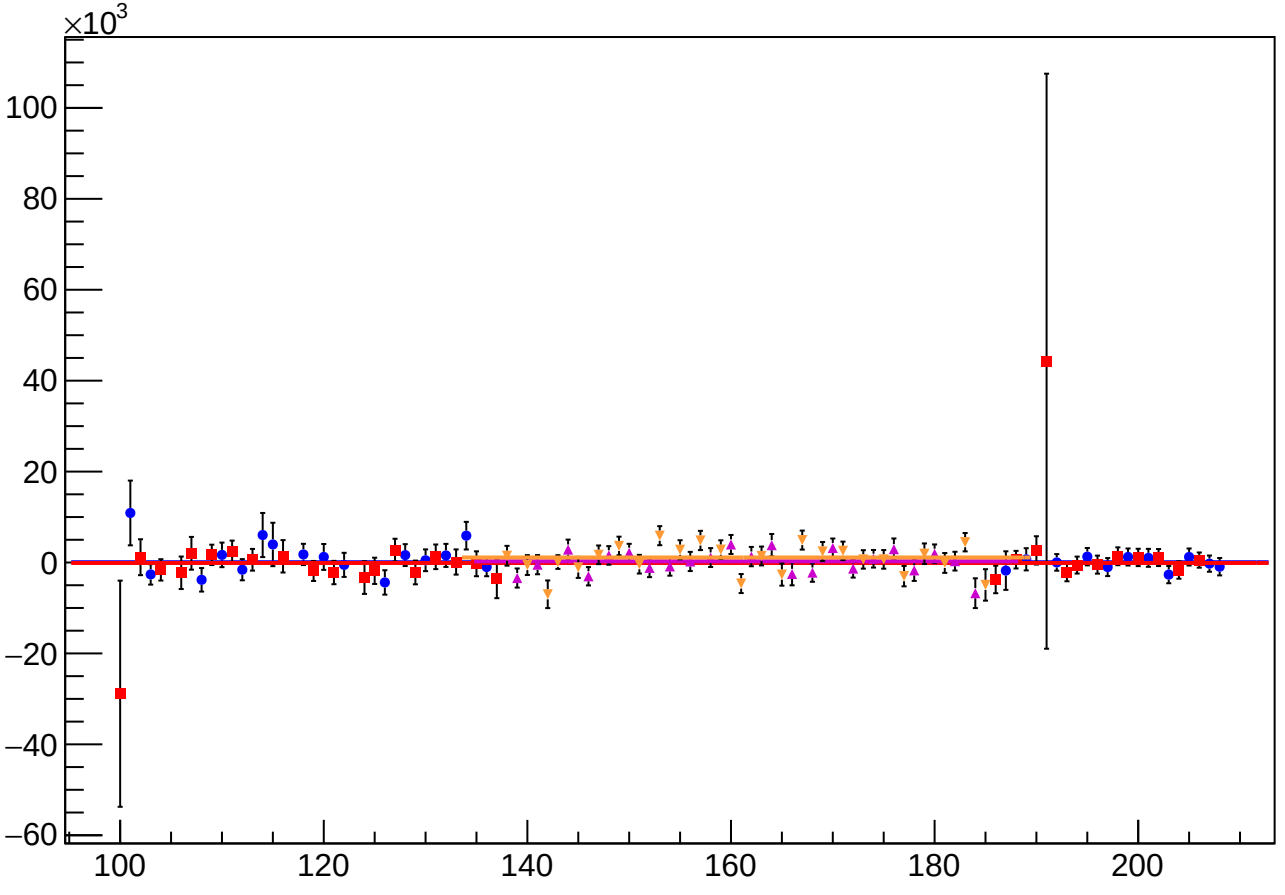
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1309.020+/-0.245 χ^2/NDF: 41304624.8/51

All: 1401.811+/-0.185 χ^2/NDF: 81332285.3/1

- sign 1525.211+/-0.283 χ^2/NDF: 39694468.2/53

dit_asym_atr1l2_dd_mean vs Slug



Right In: 61.135+/-448.901 χ^2/NDF: 21.6/26

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -99.798+/-445.014 χ^2/NDF: 15.8/30

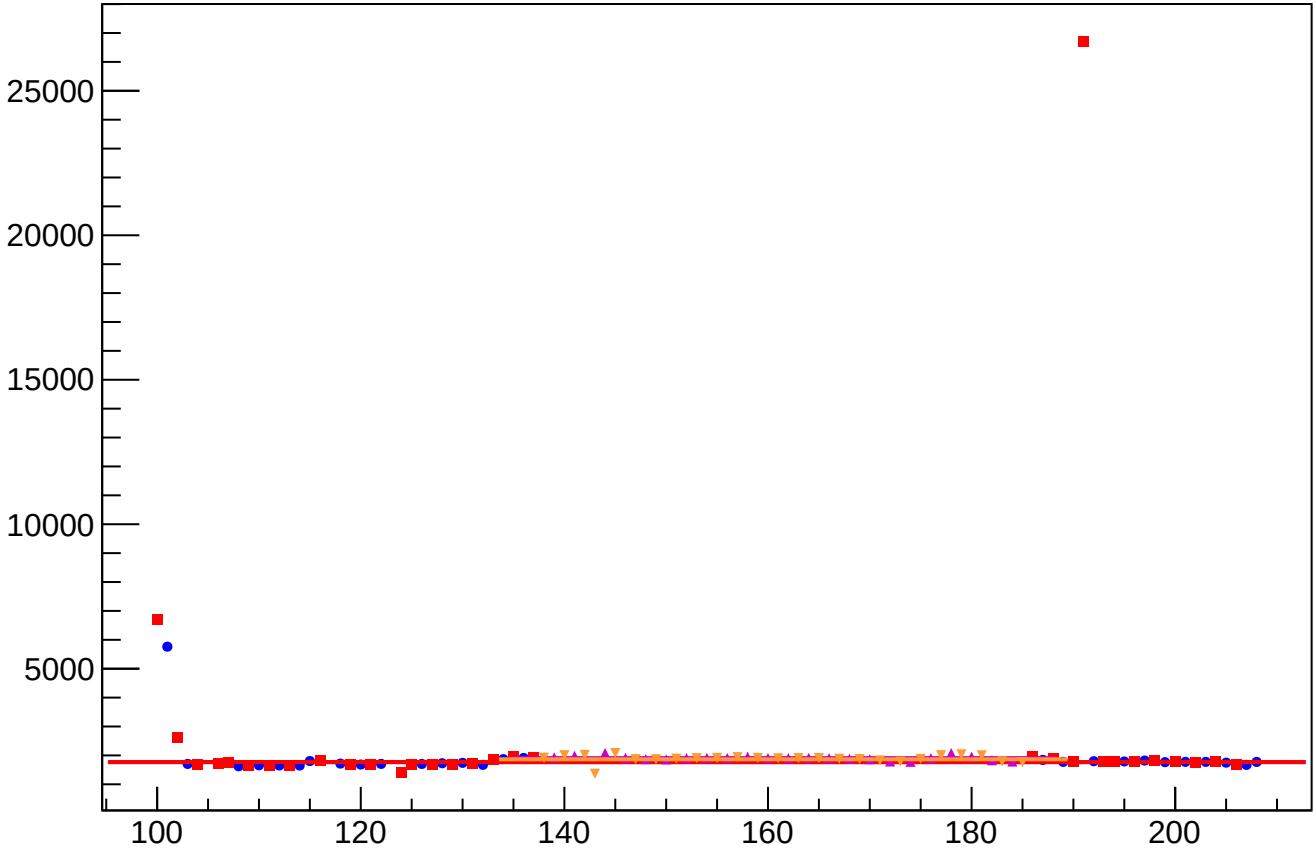
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 610.312+/-308.747 χ^2/NDF: 69.2/51

All: 351.409+/-220.423 χ^2/NDF: 114.5/105

- sign 82.267+/-314.792 χ^2/NDF: 43.8/53

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1766.264+/-0.317 χ^2/NDF: 676961.2/26

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1769.988+/-0.314 χ^2/NDF: 568628.0/30

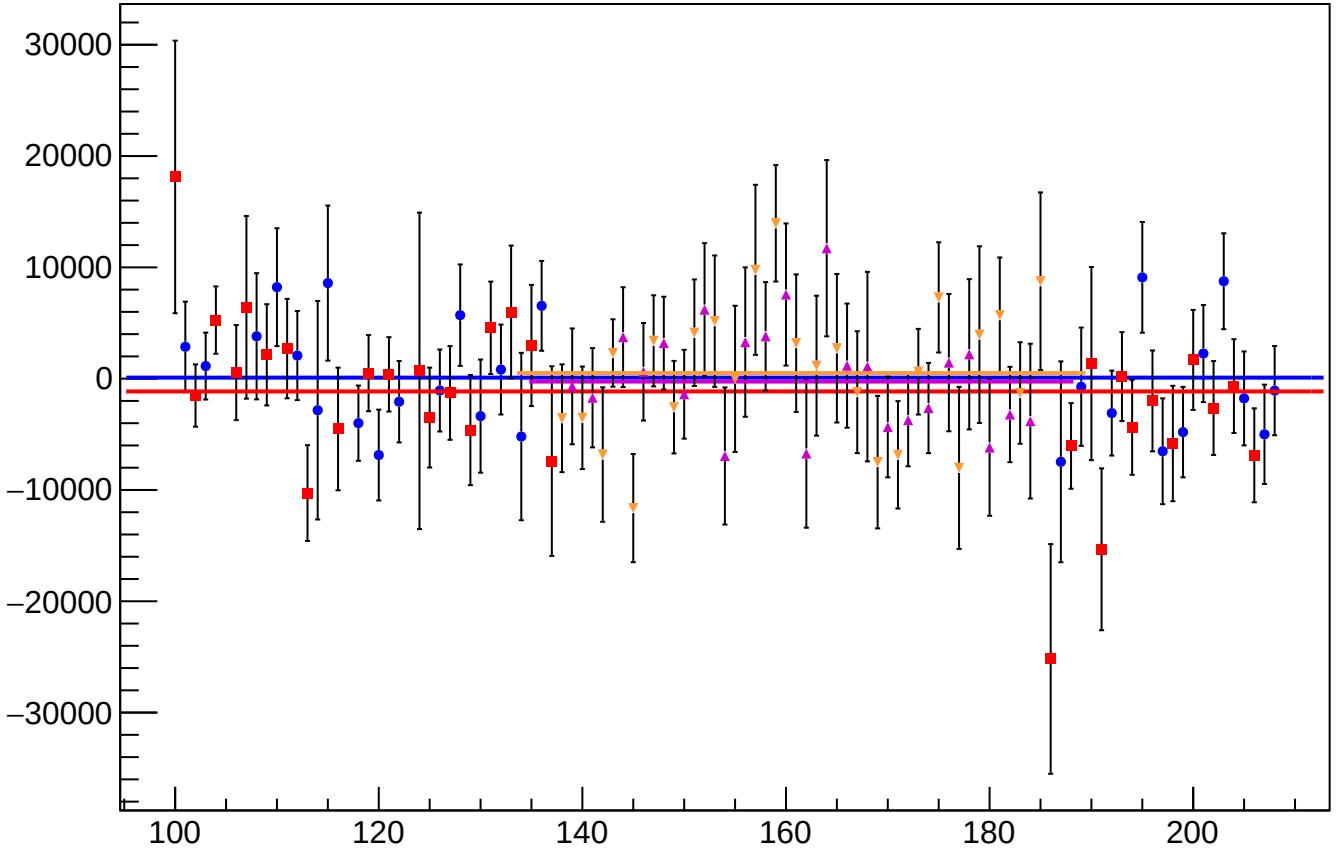
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1818.210+/-0.218 χ^2/NDF: 1022494.9/51

All: 1827.755+/-0.156 χ^2/NDF: 1740756.2/10

- sign 1837.666+/-0.222 χ^2/NDF: 714364.6/53

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 92.234+/-847.686 χ^2/NDF: 29.0/26

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -1146.343+/-819.187 χ^2/NDF: 34.6/30

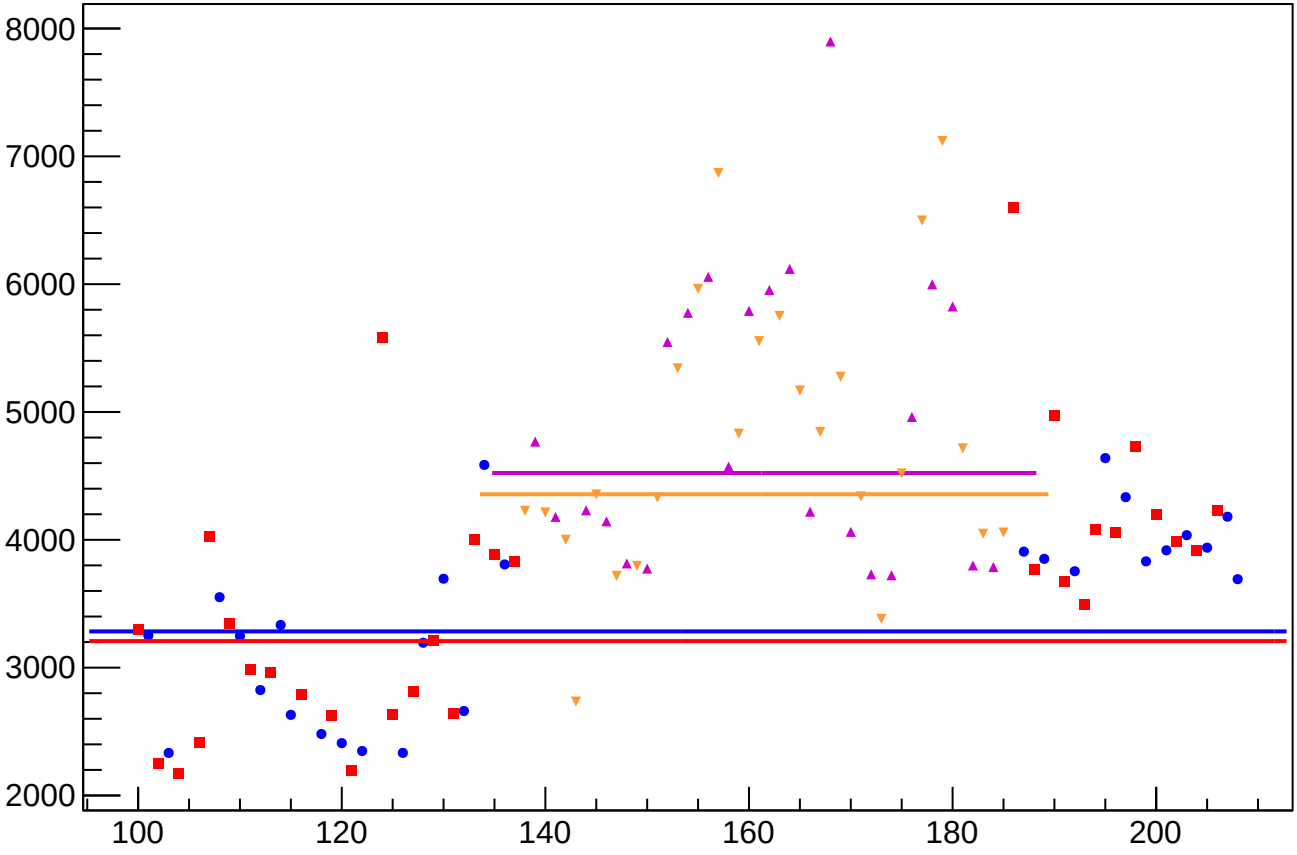
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 260.226+/-652.376 χ^2/NDF: 59.2/51

All: -281.159+/-461.514 χ^2/NDF: 109.2/105

- sign -823.555+/-652.984 χ^2/NDF: 48.7/53

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3283.550+/-0.599 χ^2/NDF: 1470612.2/26

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3207.735+/-0.579 χ^2/NDF: 2071805.0/30

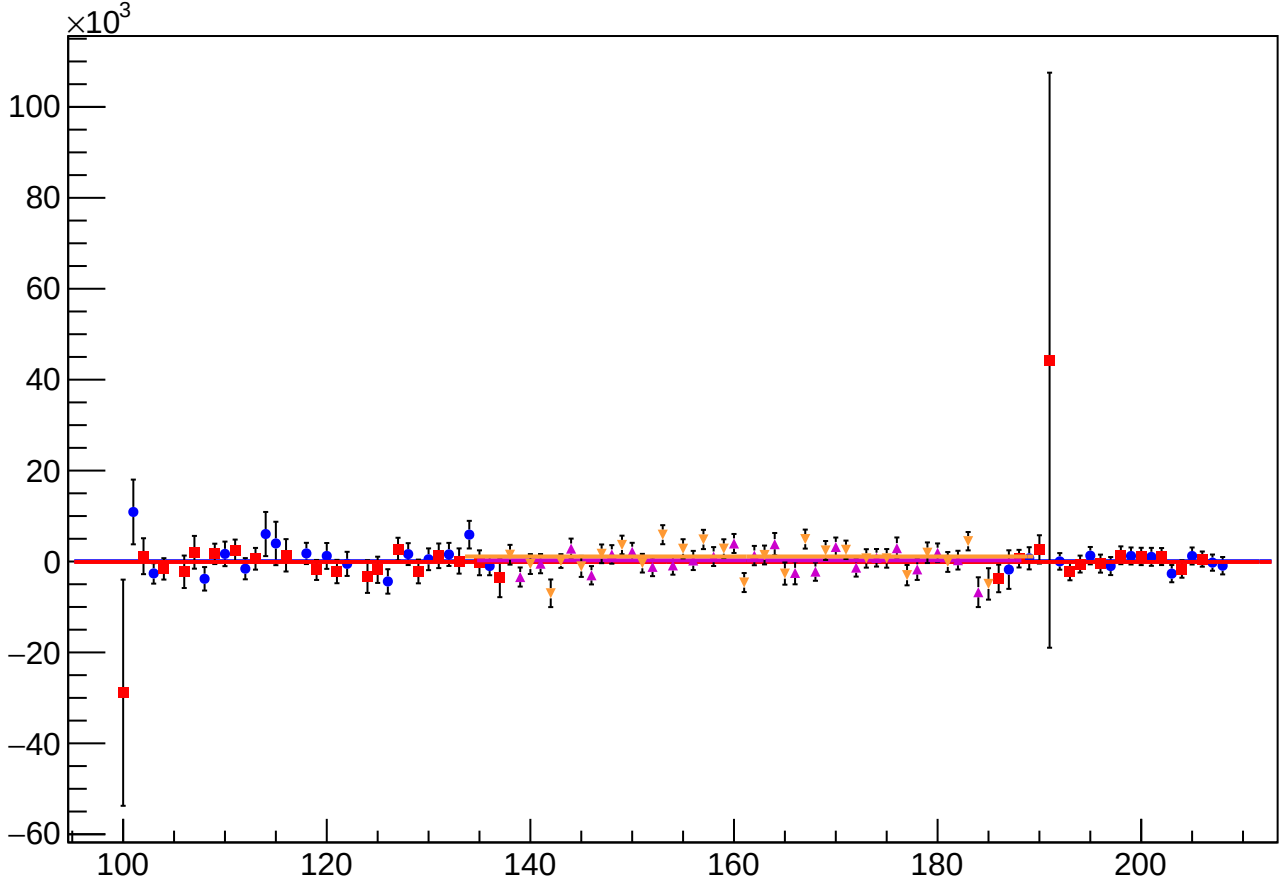
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3721.072+/-0.461 χ^2/NDF: 4689702.7/51

All: 3704.161+/-0.326 χ^2/NDF: 10077440.7/1

- sign 3687.218+/-0.462 χ^2/NDF: 5385047.6/53

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 61.134+/-448.901 χ^2/NDF: 21.6/26

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -99.797+/-445.014 χ^2/NDF: 15.8/30

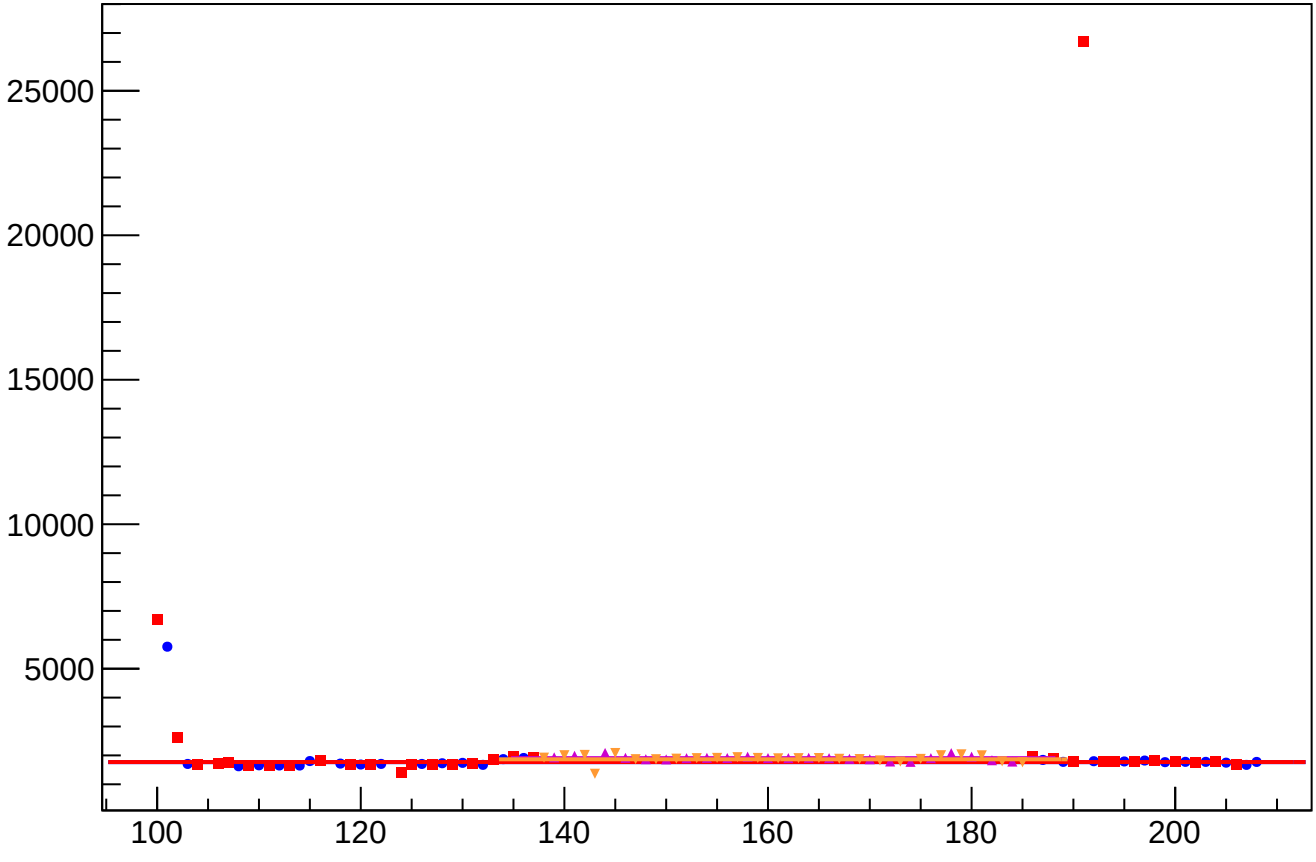
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 610.312+/-308.747 χ^2/NDF: 69.2/51

All: 351.409+/-220.423 χ^2/NDF: 114.5/105

- sign 82.267+/-314.793 χ^2/NDF: 43.8/53

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1766.264+/-0.317 χ^2/NDF: 676961.2/26

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1769.988+/-0.314 χ^2/NDF: 568628.0/30

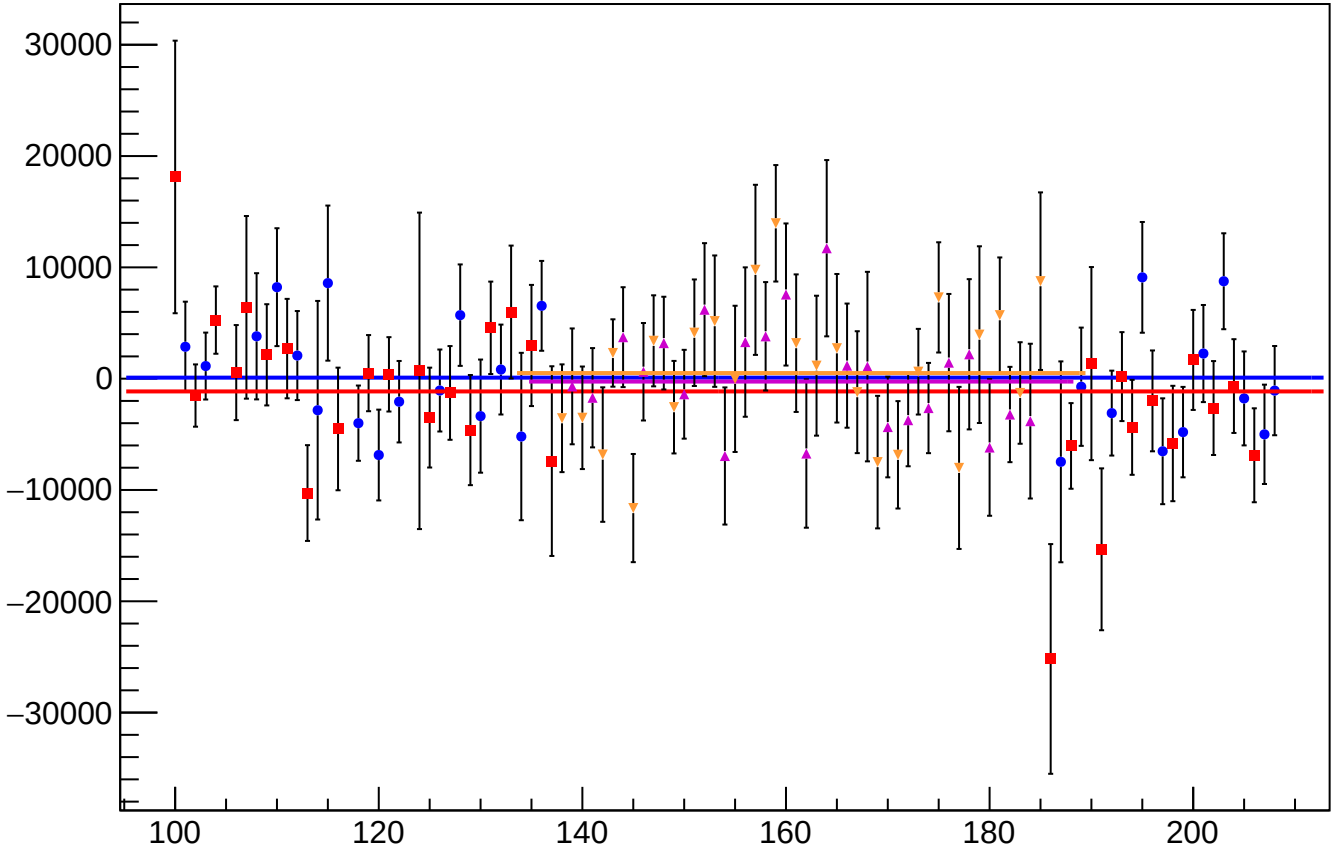
Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1818.210+/-0.218 χ^2/NDF: 1022499.2/51

All: 1827.756+/-0.156 χ^2/NDF: 1740764.1/10

- sign 1837.666+/-0.222 χ^2/NDF: 714368.2/53

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



Right In: 92.232+/-847.685 χ^2/NDF: 29.0/26

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: -1146.338+/-819.186 χ^2/NDF: 34.6/30

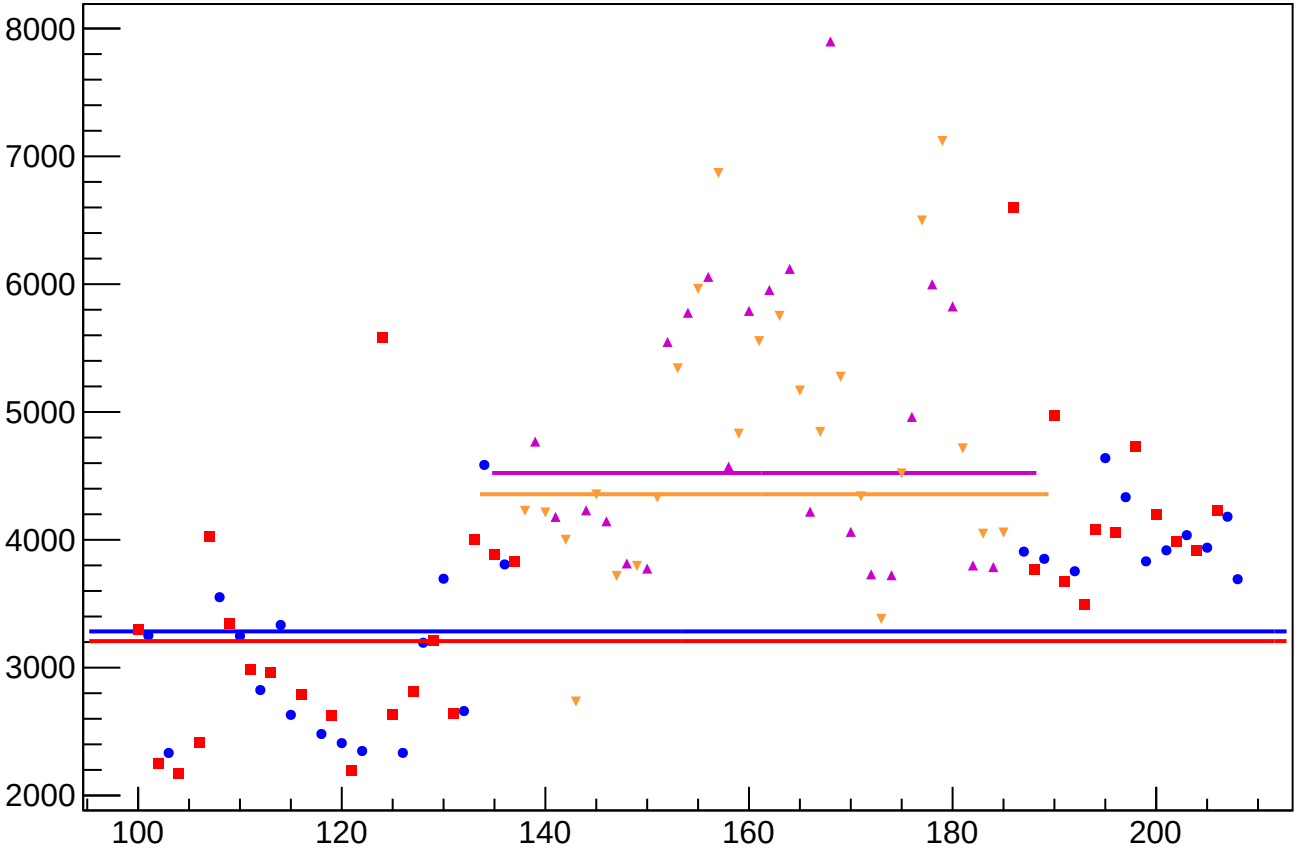
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 260.226+/-652.376 χ^2/NDF: 59.2/51

All: -281.159+/-461.514 χ^2/NDF: 109.2/105

- sign -823.553+/-652.984 χ^2/NDF: 48.7/53

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 3283.546+/-0.599 χ^2/NDF: 1470640.4/26

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3207.732+/-0.579 χ^2/NDF: 2071821.5/30

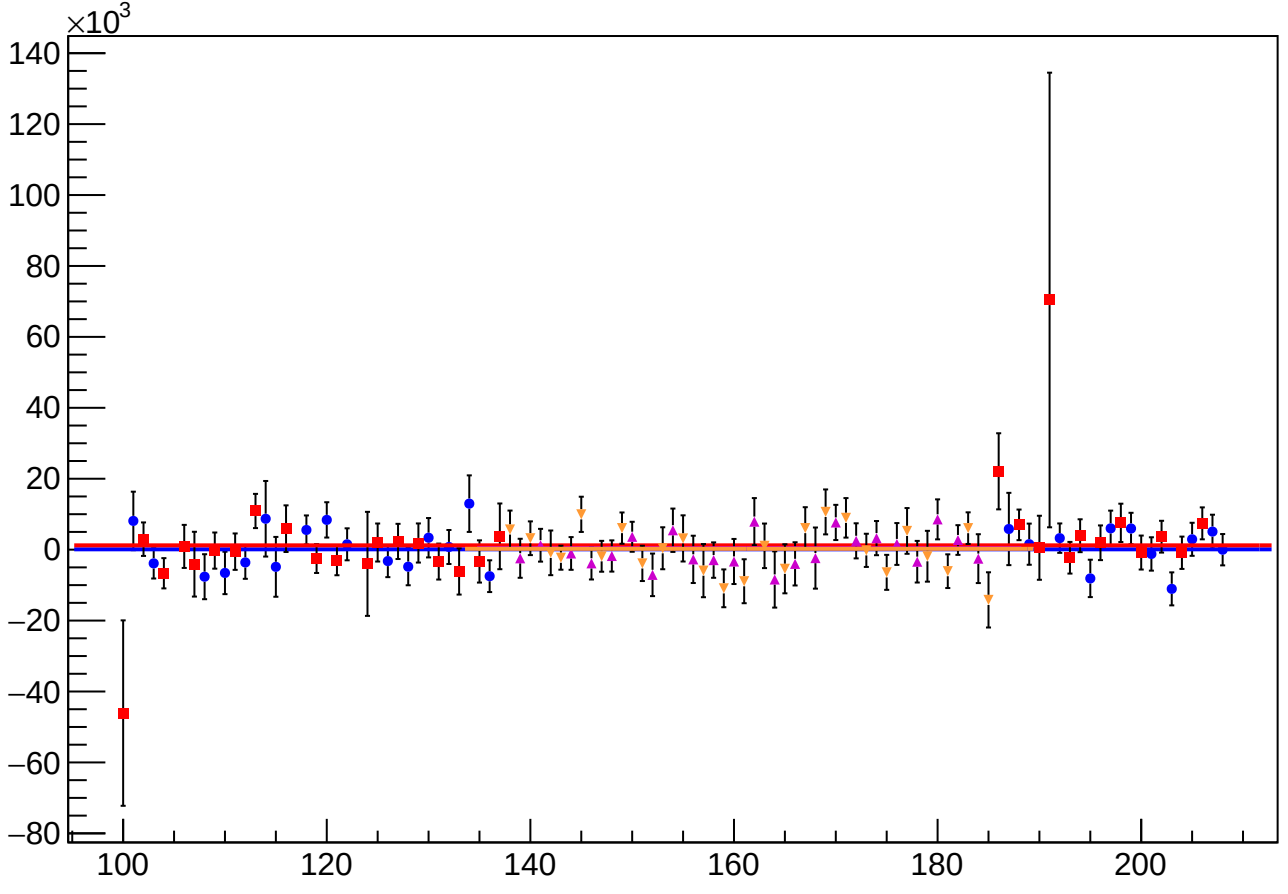
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3721.071+/-0.461 χ^2/NDF: 4689761.1/51

All: 3704.160+/-0.326 χ^2/NDF: 10077545.0/1

- sign 3687.218+/-0.462 χ^2/NDF: 5385093.5/53

asym_atr1l2_dd_mean vs Slug



Right In: 93.334+/-987.812 χ^2/NDF: 31.9/26

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 1215.486+/-974.581 χ^2/NDF: 28.4/30

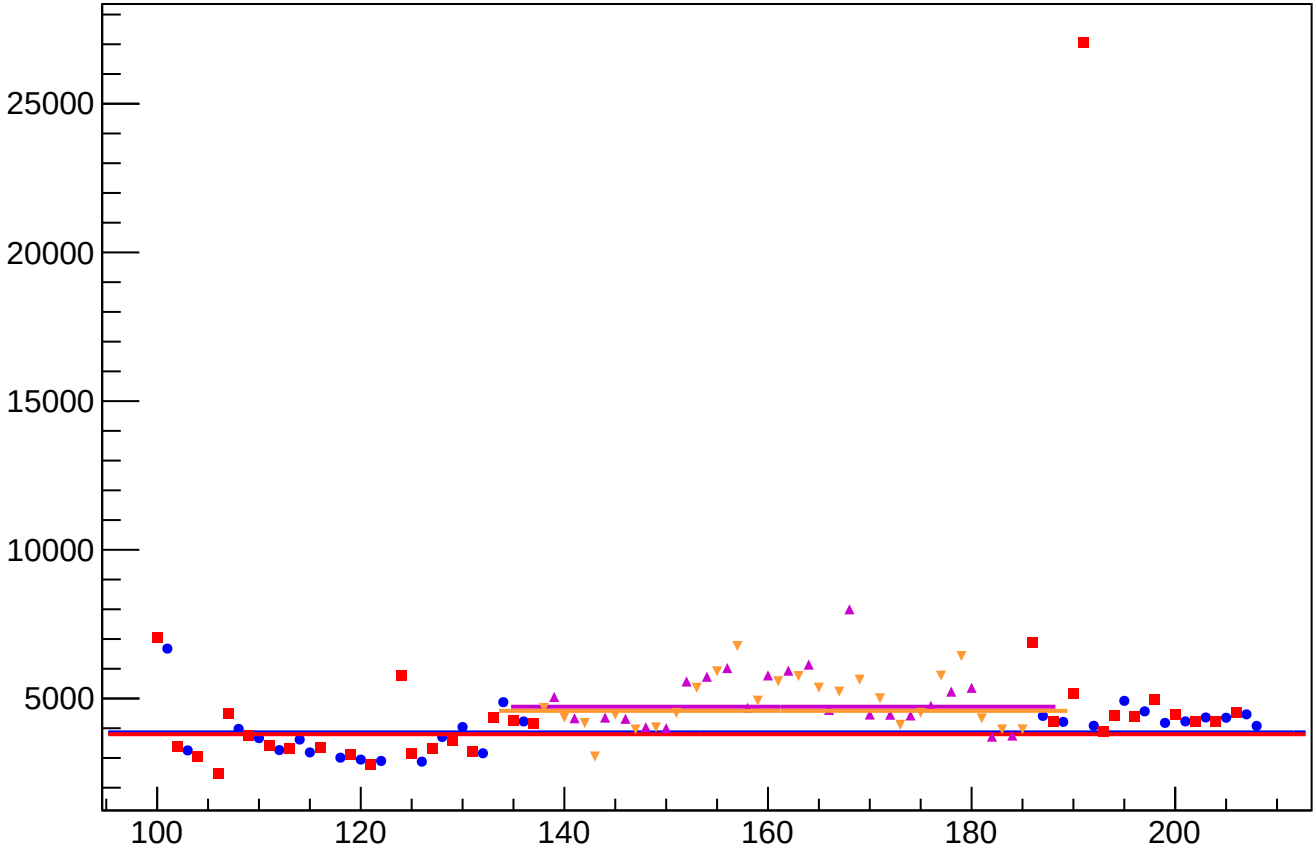
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign 161.151+/-724.130 χ^2/NDF: 64.1/51

All: 506.889+/-516.038 χ^2/NDF: 107.4/105

- sign 863.648+/-735.581 χ^2/NDF: 42.9/53

asym_atr1l2_dd_rms vs Slug



Right In: 3860.002+/-0.698 χ^2/NDF: 1000584.2/26

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3798.835+/-0.683 χ^2/NDF: 1415241.8/30

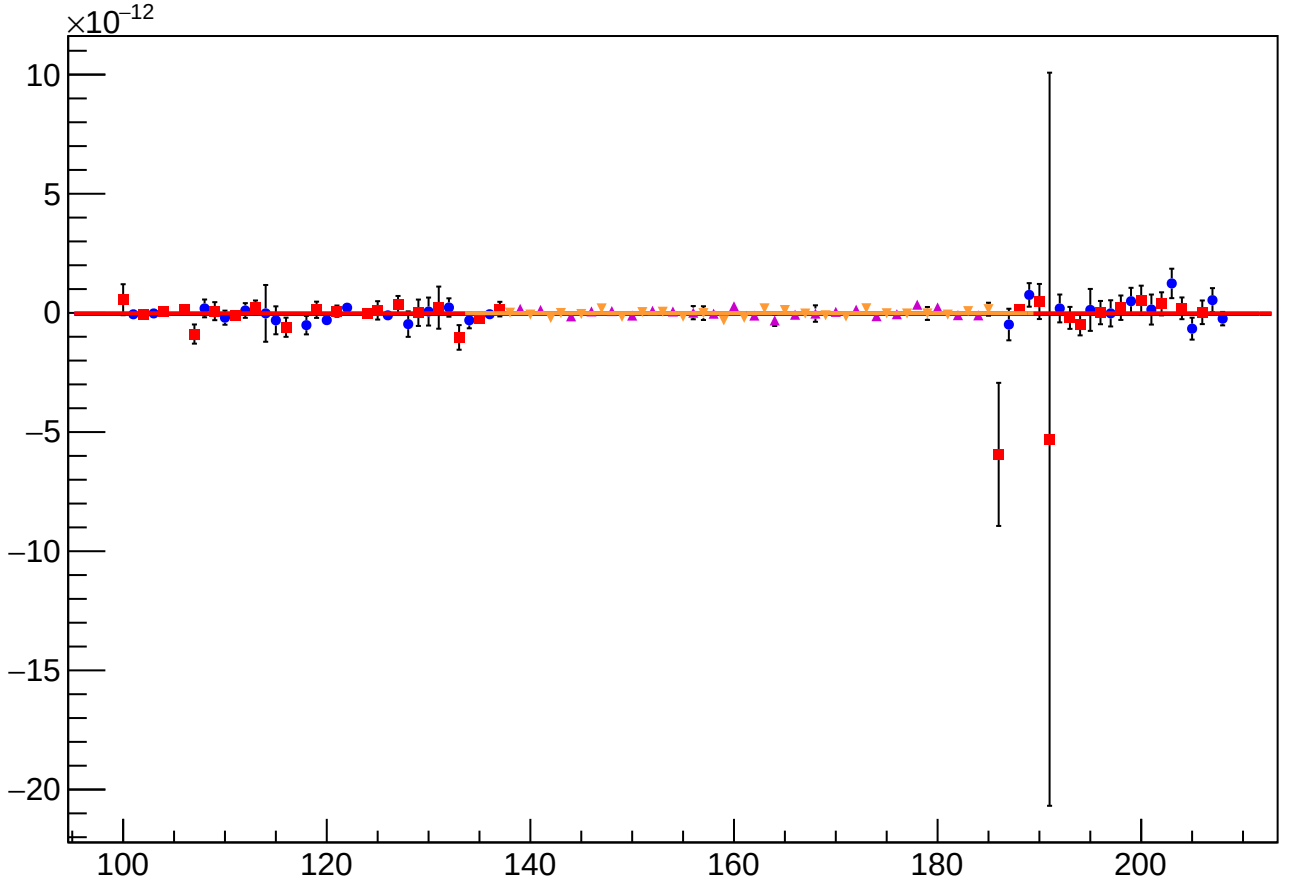
Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4195.242+/-0.512 χ^2/NDF: 2810241.5/51

All: 4194.037+/-0.364 χ^2/NDF: 6021529.5/10

- sign 4192.805+/-0.518 χ^2/NDF: 3211276.7/53

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/30

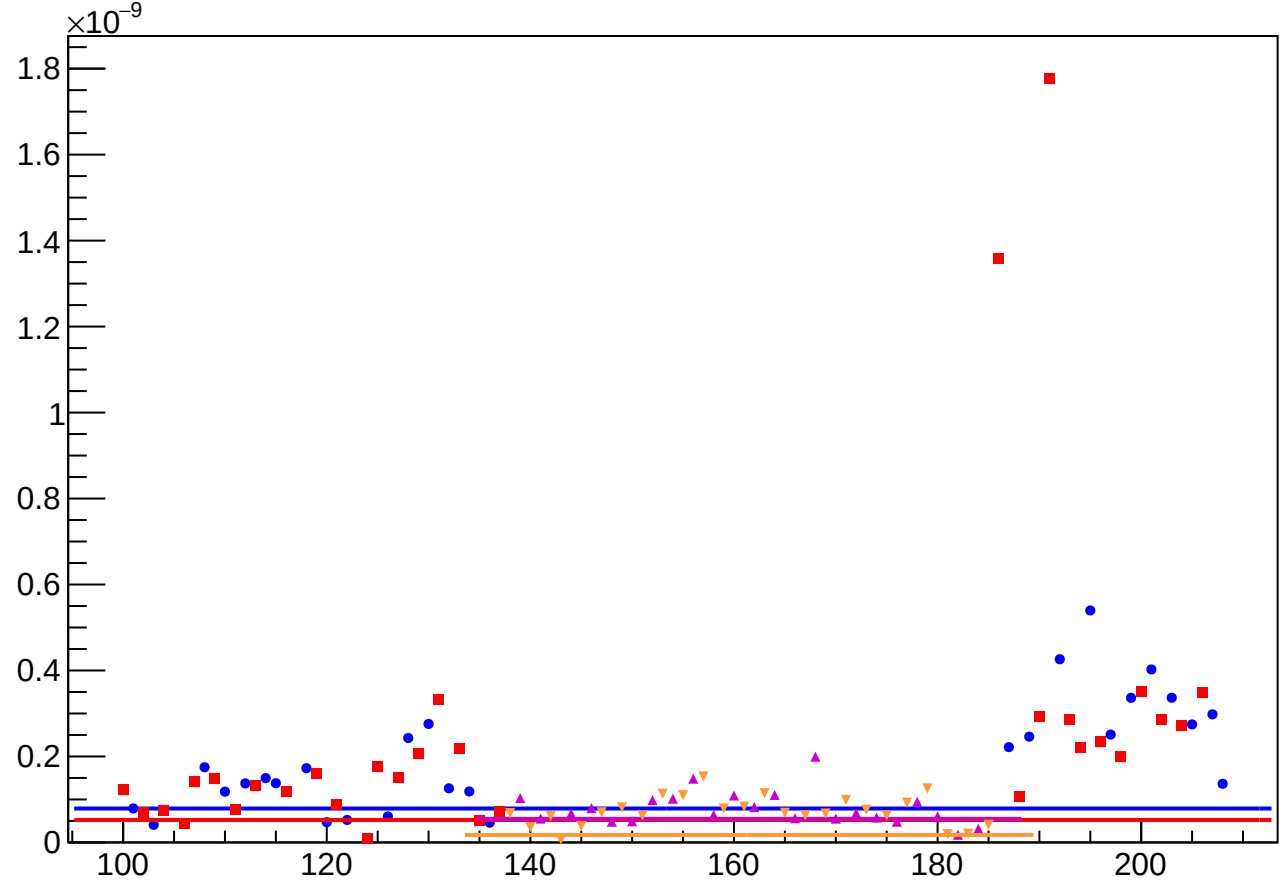
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.1/51

All: -0.000+/-0.000 χ^2/NDF: 97.0/105

- sign -0.000+/-0.000 χ^2/NDF: 52.8/53

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5575554.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7495093.8/30

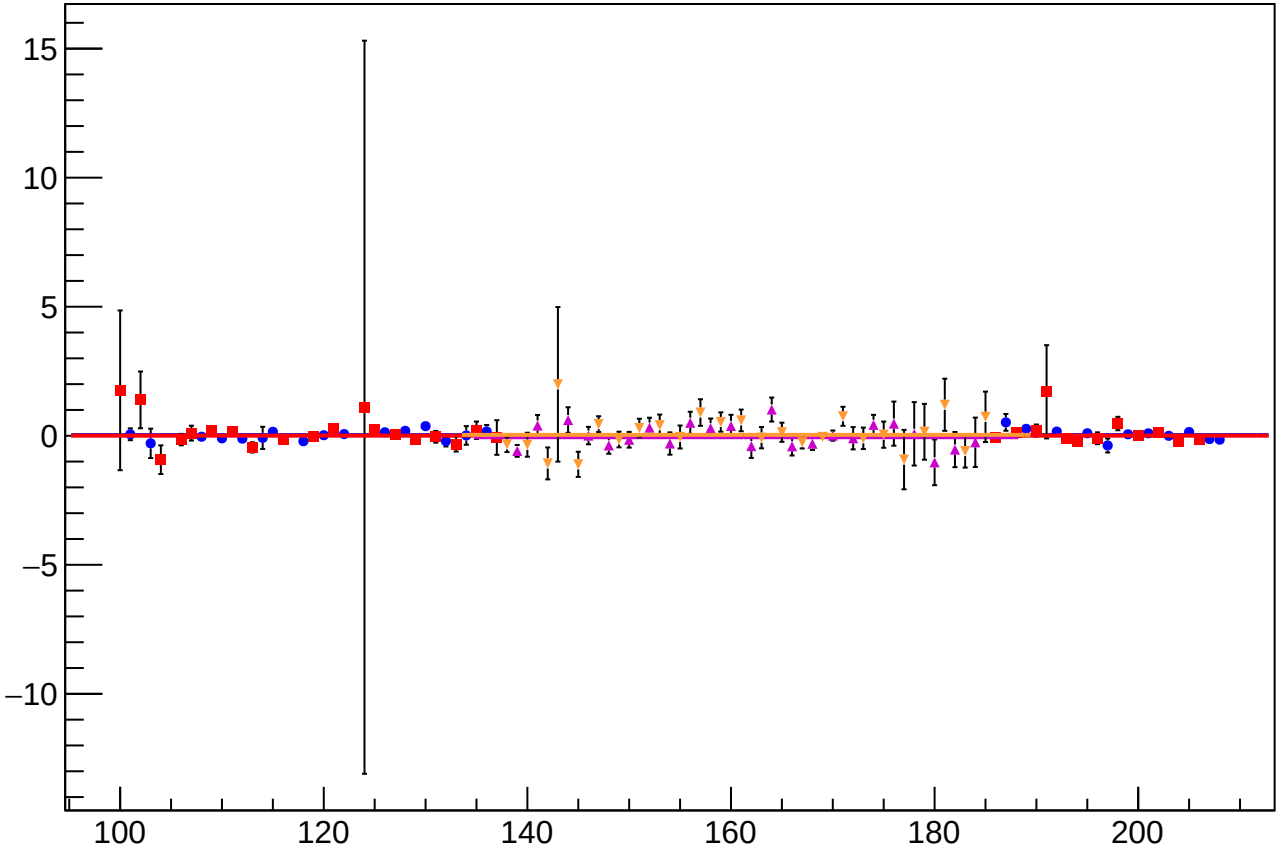
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

\+ sign 0.000+/-0.000 χ^2/NDF: 18322617.1/51

All: 0.000+/-0.000 χ^2/NDF: 32795612.8/105

\- sign 0.000+/-0.000 χ^2/NDF: 10300908.3/53

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.034 χ^2/NDF: 24.0/26

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.006+/-0.032 χ^2/NDF: 35.7/30

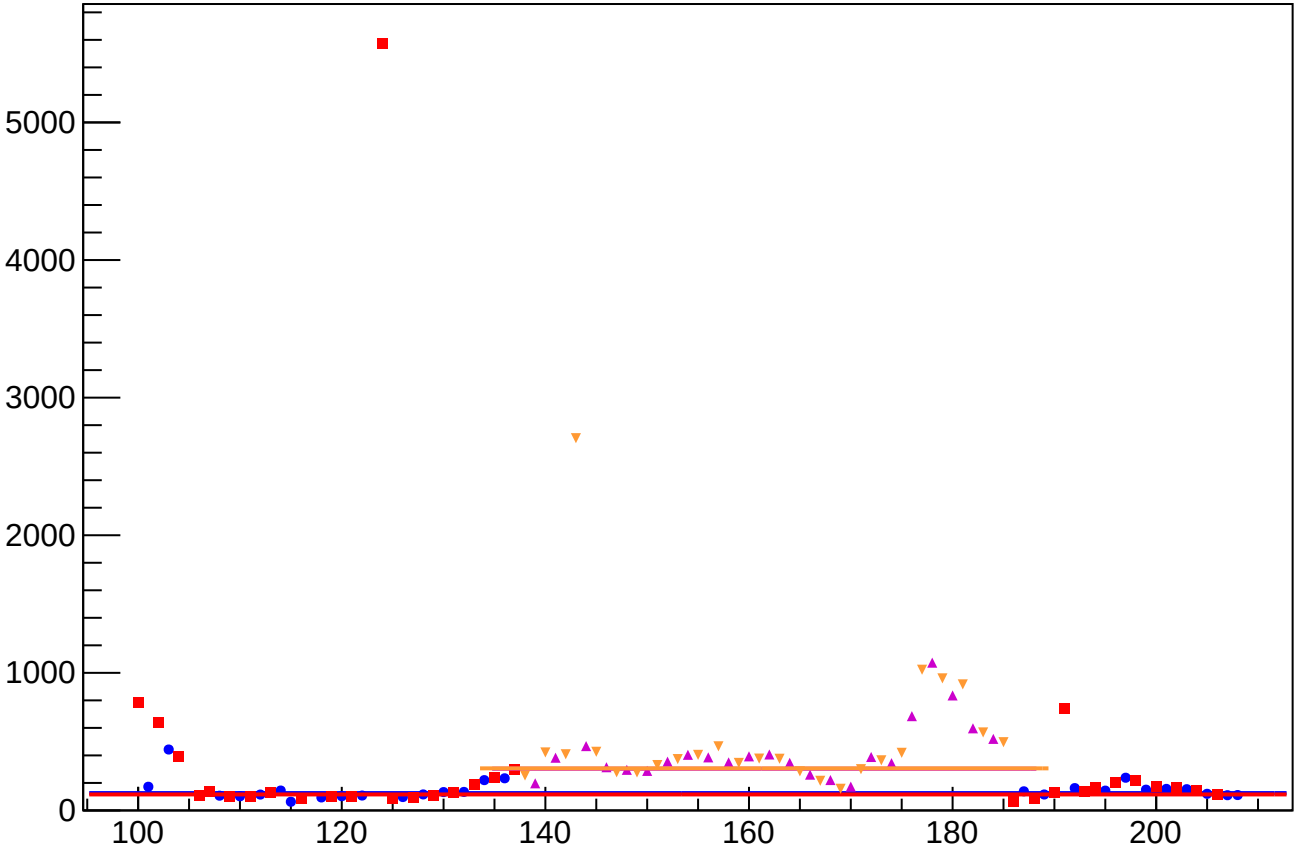
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.025+/-0.031 χ^2/NDF: 54.5/51

All: 0.010+/-0.022 χ^2/NDF: 117.2/105

- sign -0.003+/-0.030 χ^2/NDF: 62.3/53

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 126.260+/-0.024 χ^2/NDF: 2469153.4/26

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 116.424+/-0.023 χ^2/NDF: 4364449.0/30

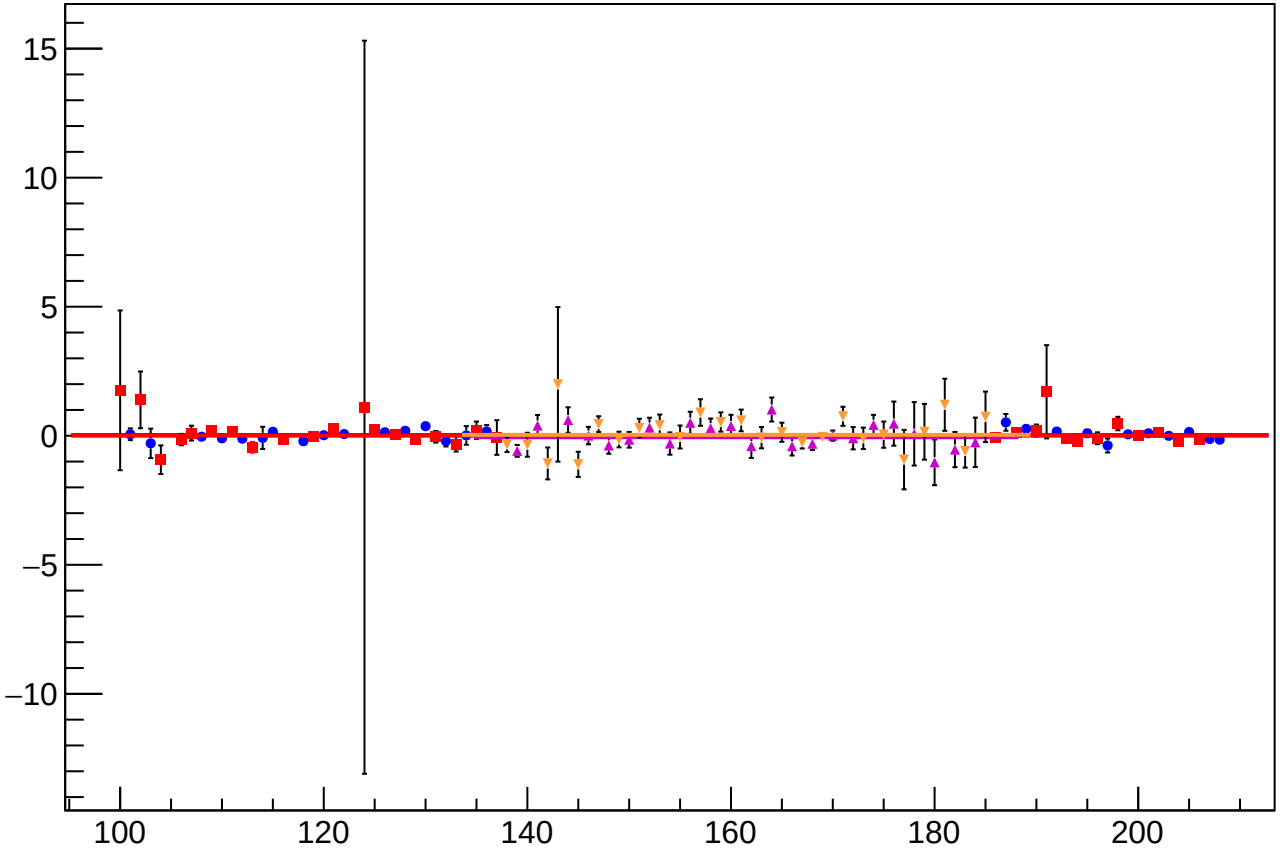
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 155.054+/-0.022 χ^2/NDF: 18031901.9/51

All: 149.537+/-0.015 χ^2/NDF: 37261530.9/10

- sign 144.456+/-0.021 χ^2/NDF: 19109490.7/53

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023+/-0.034 χ^2/NDF: 24.0/26

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.006+/-0.032 χ^2/NDF: 35.7/30

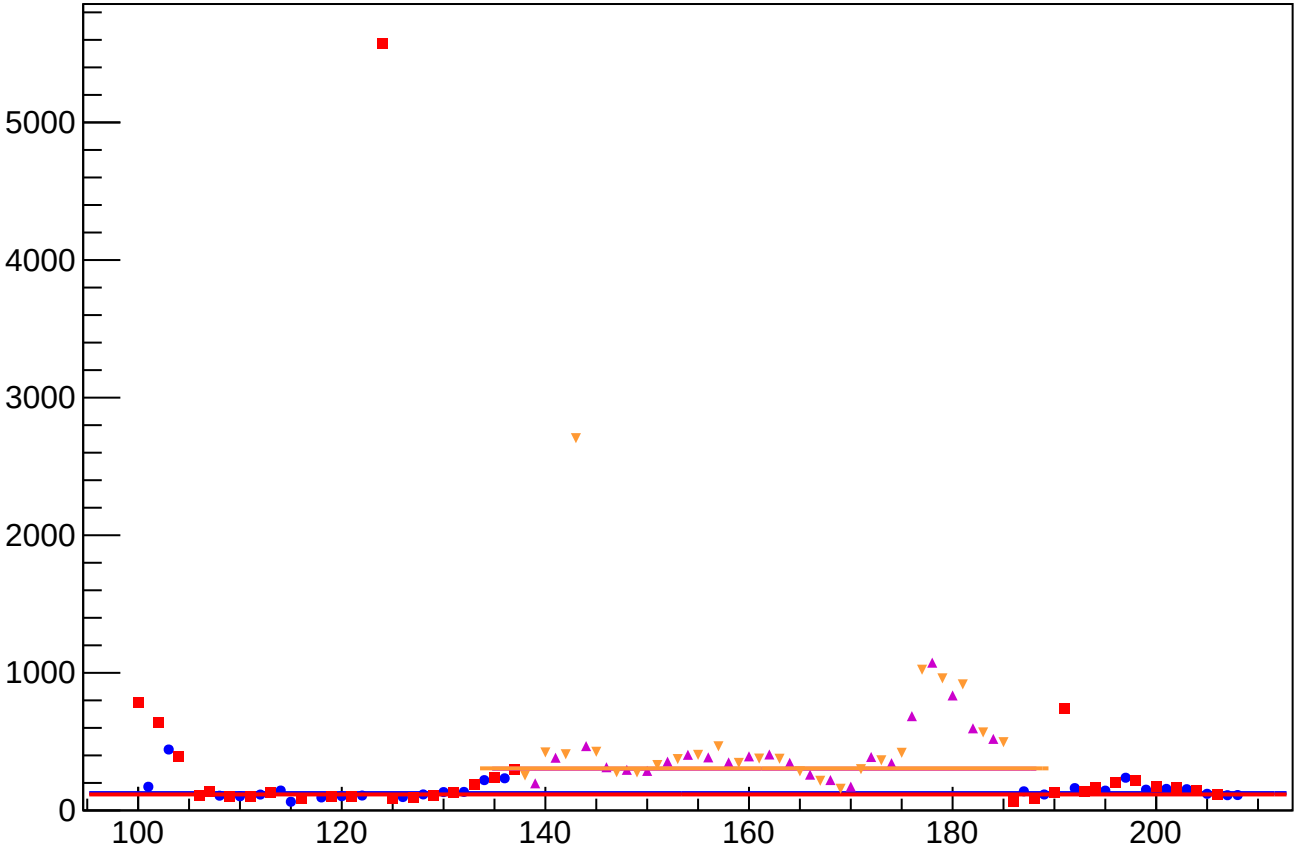
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.025+/-0.031 χ^2/NDF: 54.5/51

All: 0.010+/-0.022 χ^2/NDF: 117.2/105

- sign -0.003+/-0.030 χ^2/NDF: 62.3/53

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 126.260+/-0.024 χ^2/NDF: 2469153.4/26

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

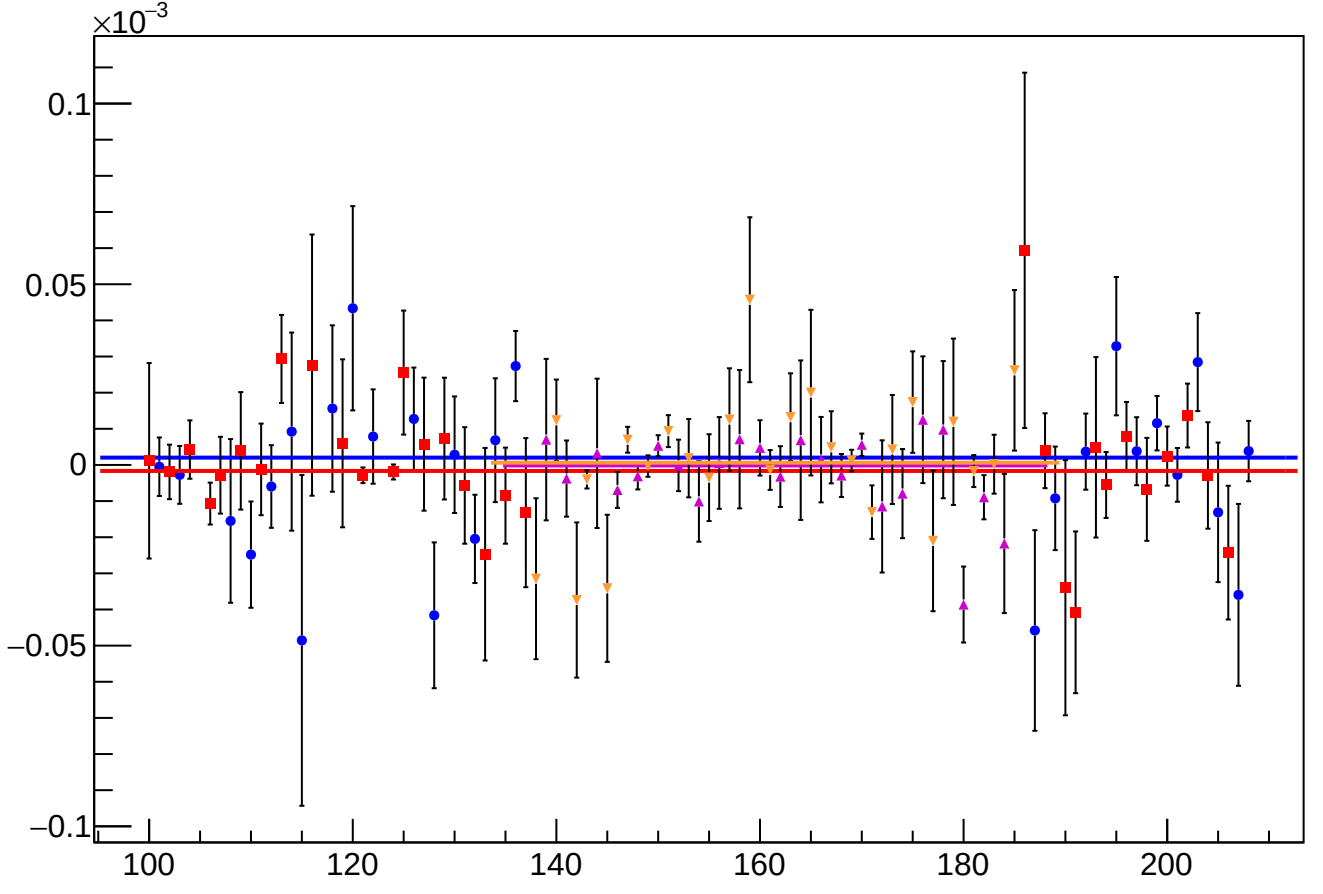
Right Out: 116.424+/-0.023 χ^2/NDF: 4364449.0/30

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 155.054+/-0.022 χ^2/NDF: 18031901.9/51

All: 149.537+/-0.015 χ^2/NDF: 37261530.9/10

- sign 144.456+/-0.021 χ^2/NDF: 19109490.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 39.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.8/30

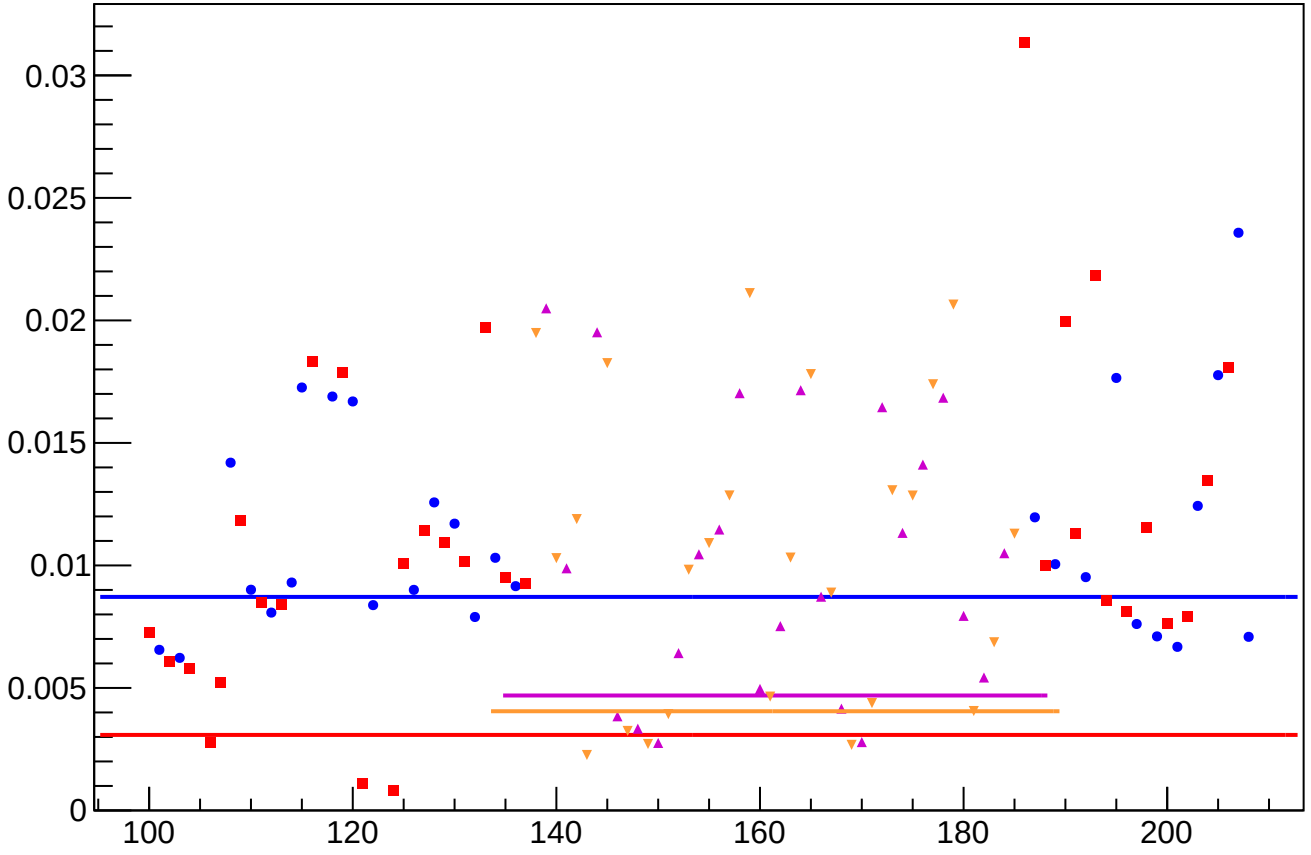
Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.2/51

All: -0.000+/-0.000 χ^2/NDF: 133.3/105

- sign -0.000+/-0.000 χ^2/NDF: 57.2/53

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 3241140.1/26

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 18978597.2/30

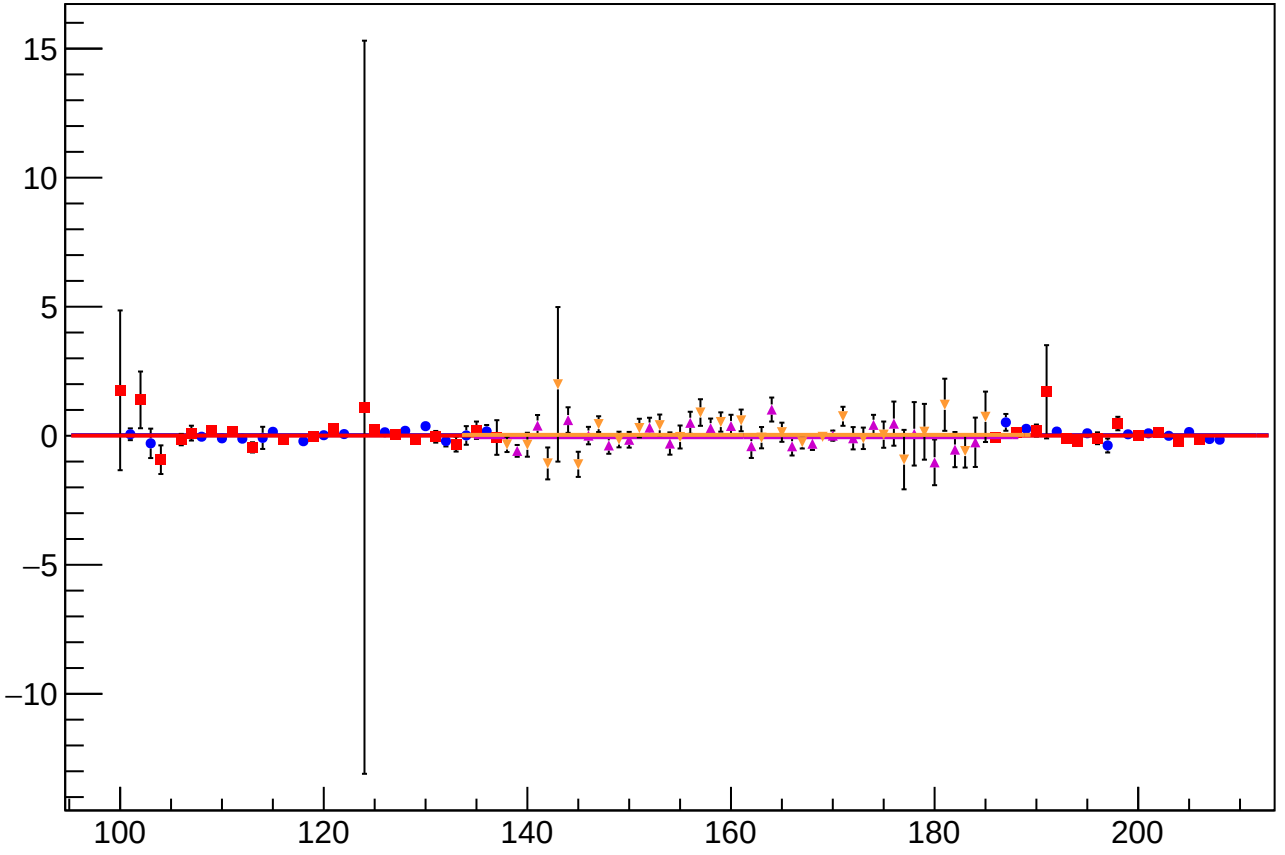
Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 22943584.9/51

All: 0.004+/-0.000 χ^2/NDF: 55655222.3/105

- sign 0.004+/-0.000 χ^2/NDF: 31304318.5/53

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.034 χ^2/NDF: 24.0/26

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.006+/-0.032 χ^2/NDF: 35.7/30

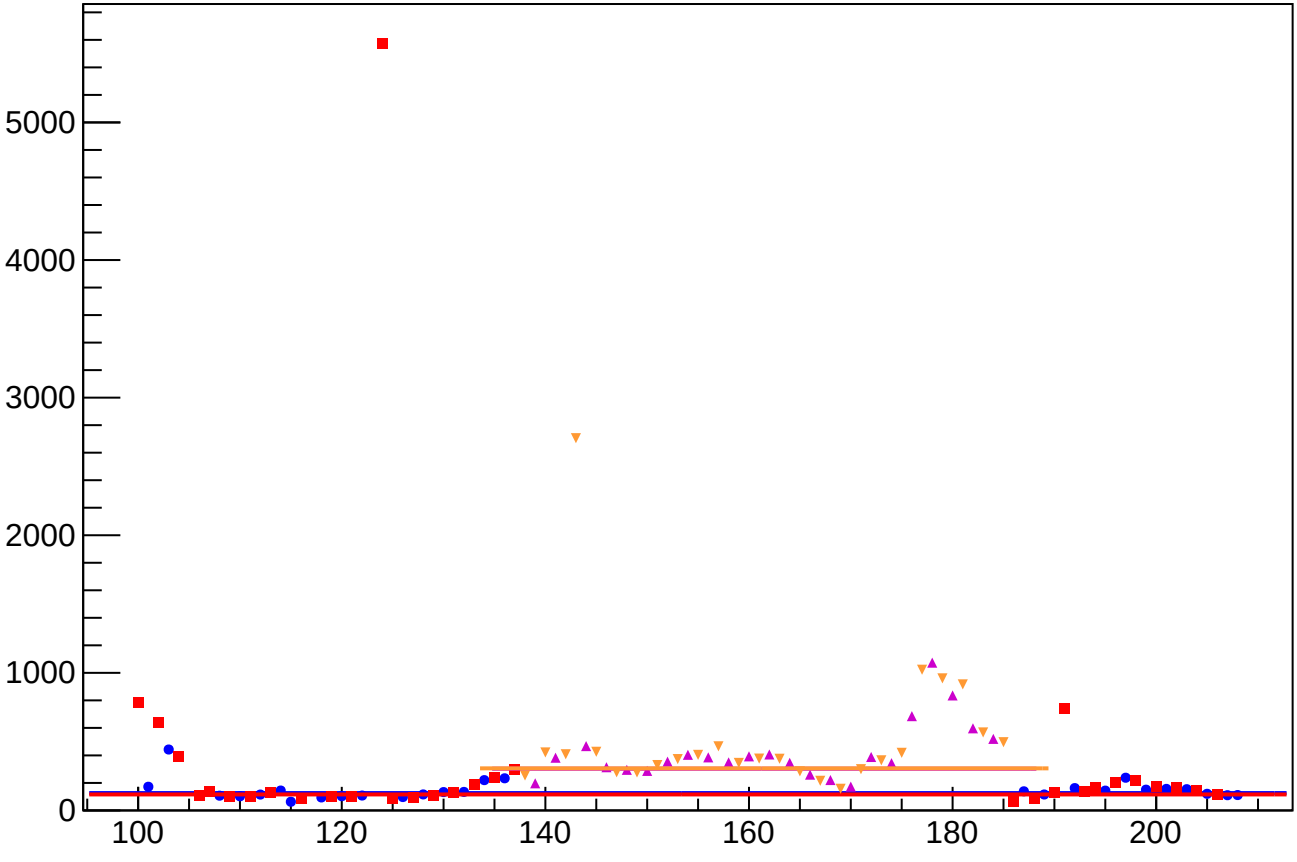
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.025+/-0.031 χ^2/NDF: 54.5/51

All: 0.010+/-0.022 χ^2/NDF: 117.2/105

- sign -0.003+/-0.030 χ^2/NDF: 62.3/53

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 126.261+/-0.024 χ^2/NDF: 2469115.2/26

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

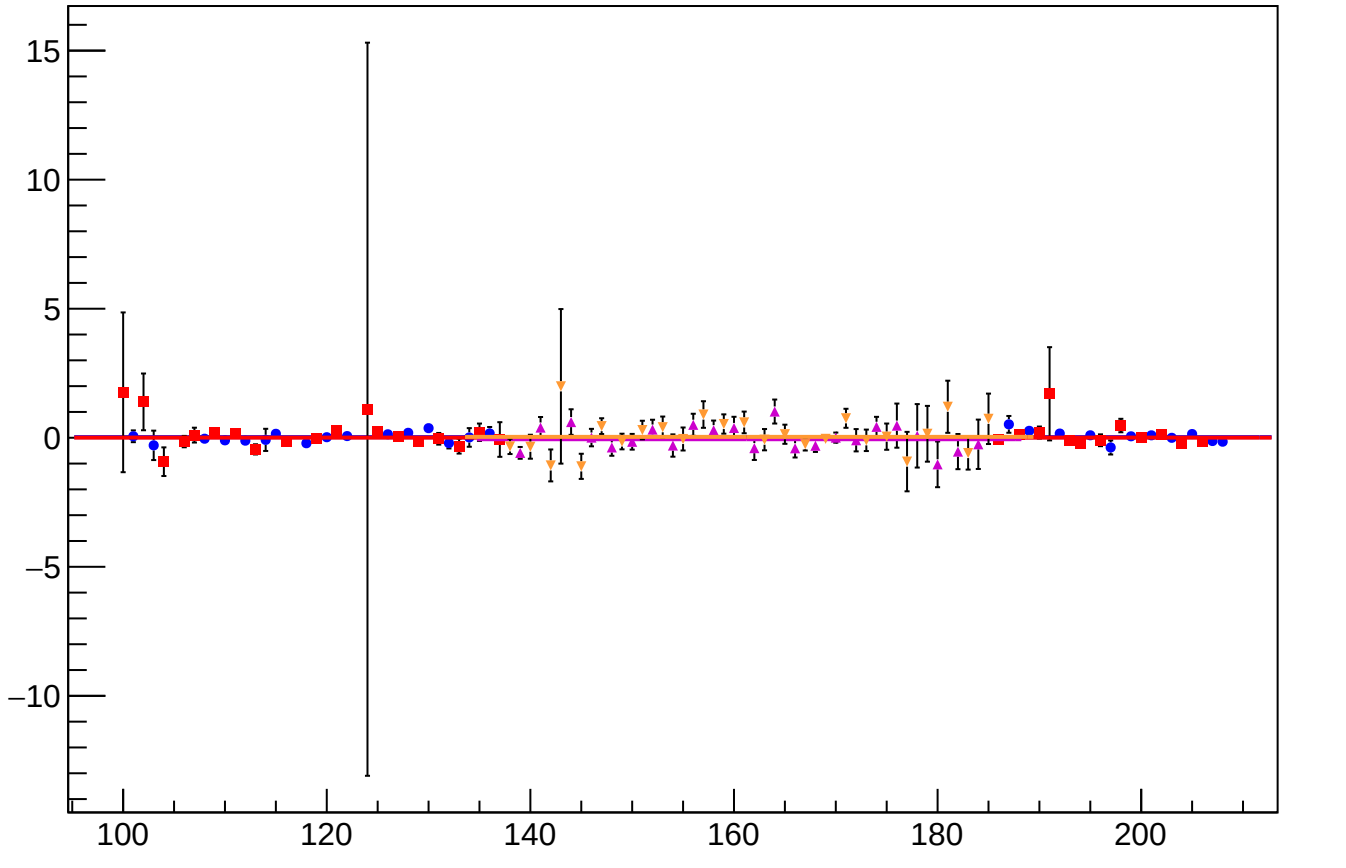
Right Out: 116.425+/-0.023 χ^2/NDF: 4364264.6/30

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 155.055+/-0.022 χ^2/NDF: 18031893.8/51

All: 149.538+/-0.015 χ^2/NDF: 37261324.0/10

- sign 144.457+/-0.021 χ^2/NDF: 19109297.4/53



Right In: 0.023+/-0.034 χ^2/NDF: 24.0/26

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

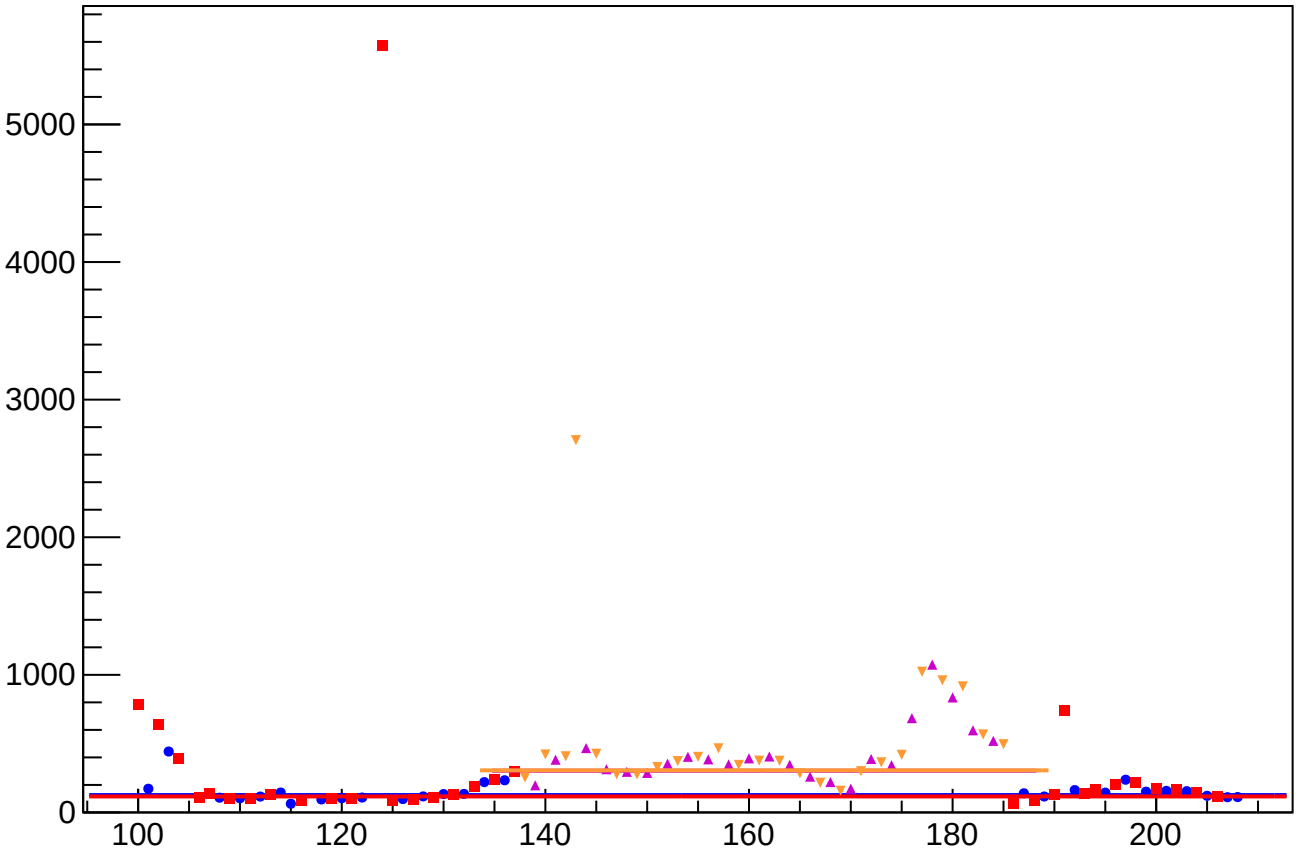
Right Out: 0.006+/-0.032 χ^2/NDF: 35.7/30

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.025+/-0.031 χ^2/NDF: 54.5/51

All: 0.010+/-0.022 χ^2/NDF: 117.2/105

- sign -0.003+/-0.030 χ^2/NDF: 62.3/53



Right In: 126.261+/-0.024 χ^2/NDF: 2469115.2/26

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

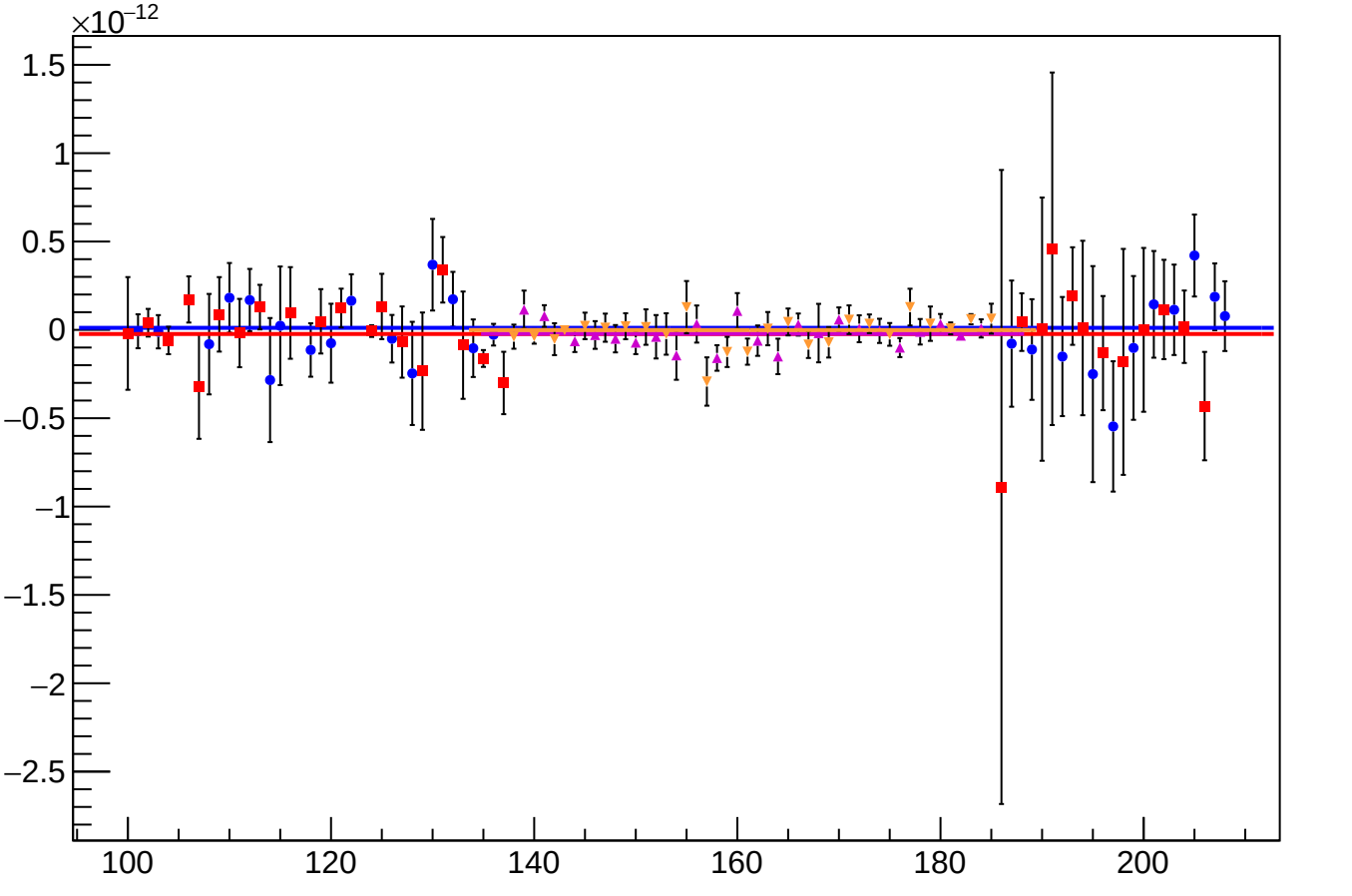
Right Out: 116.425+/-0.023 χ^2/NDF: 4364264.6/30

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 155.055+/-0.022 χ^2/NDF: 18031893.8/51

All: 149.538+/-0.015 χ^2/NDF: 37261324.0/10

- sign 144.457+/-0.021 χ^2/NDF: 19109297.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 16.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

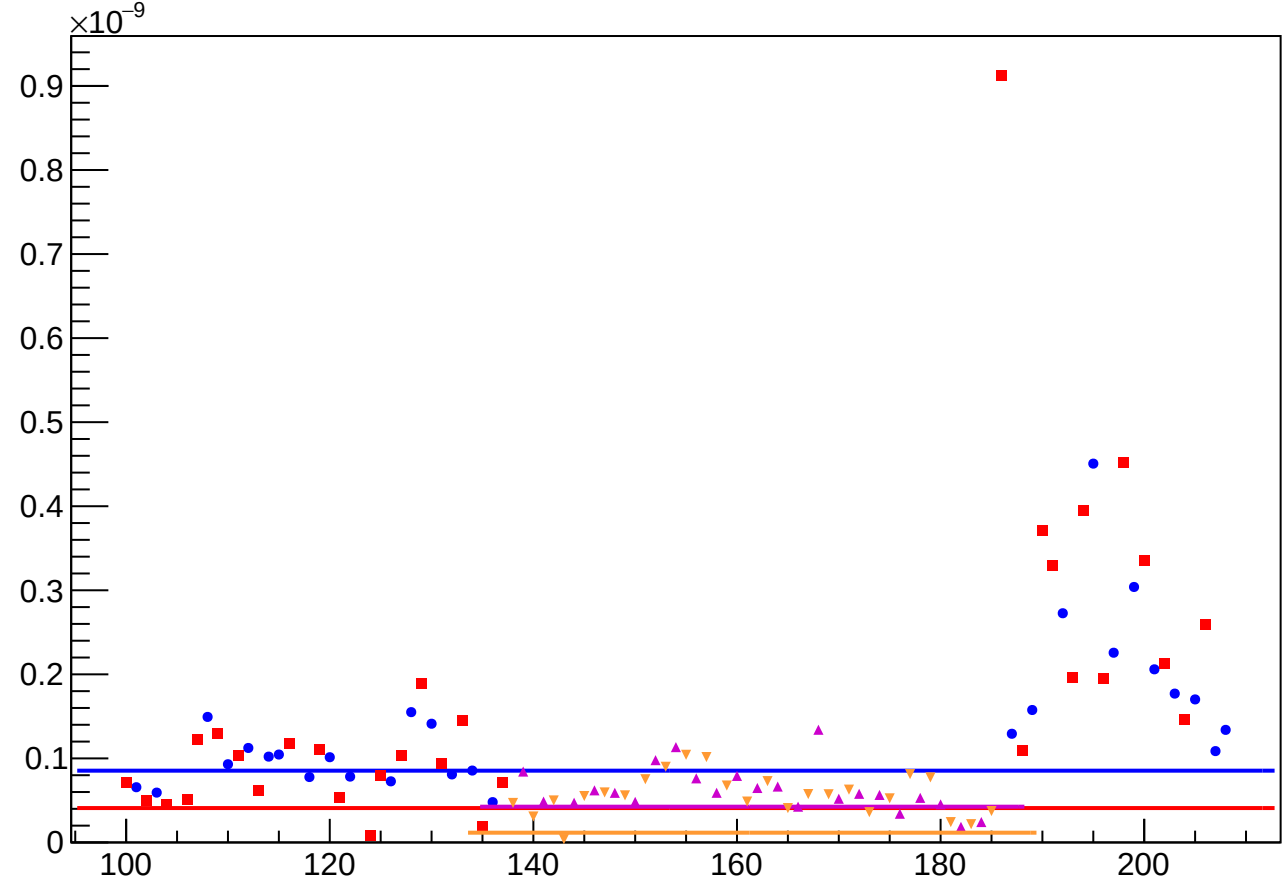
Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/30

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.8/51

All: -0.000+/-0.000 χ^2/NDF: 89.1/105

- sign -0.000+/-0.000 χ^2/NDF: 47.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 4740193.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12190593.2/30

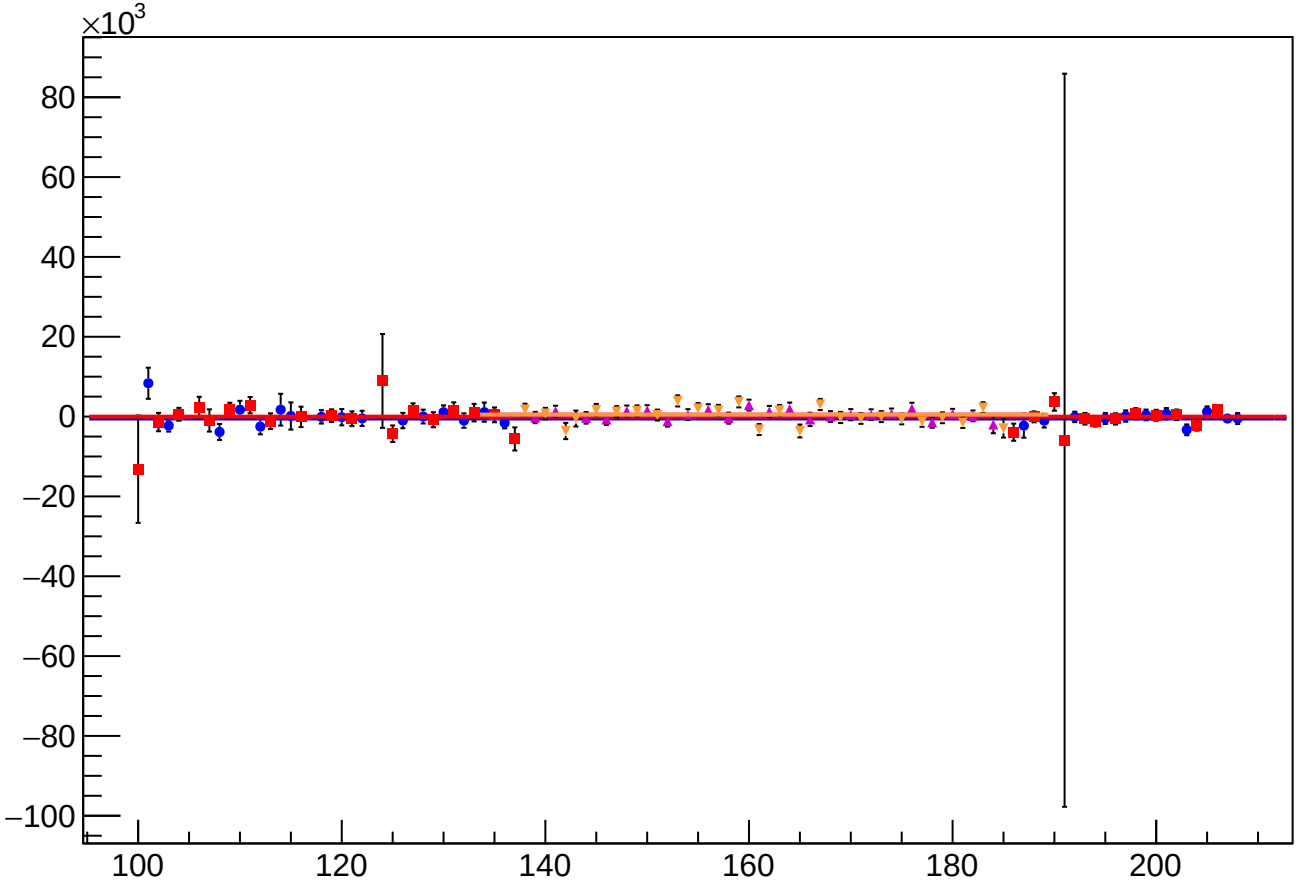
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 32986607.0/51

All: 0.000+/-0.000 χ^2/NDF: 60472457.3/105

- sign 0.000+/-0.000 χ^2/NDF: 17619231.7/53

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -478.949+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -18.212+/-323.963 χ^2/NDF: 28.0/30

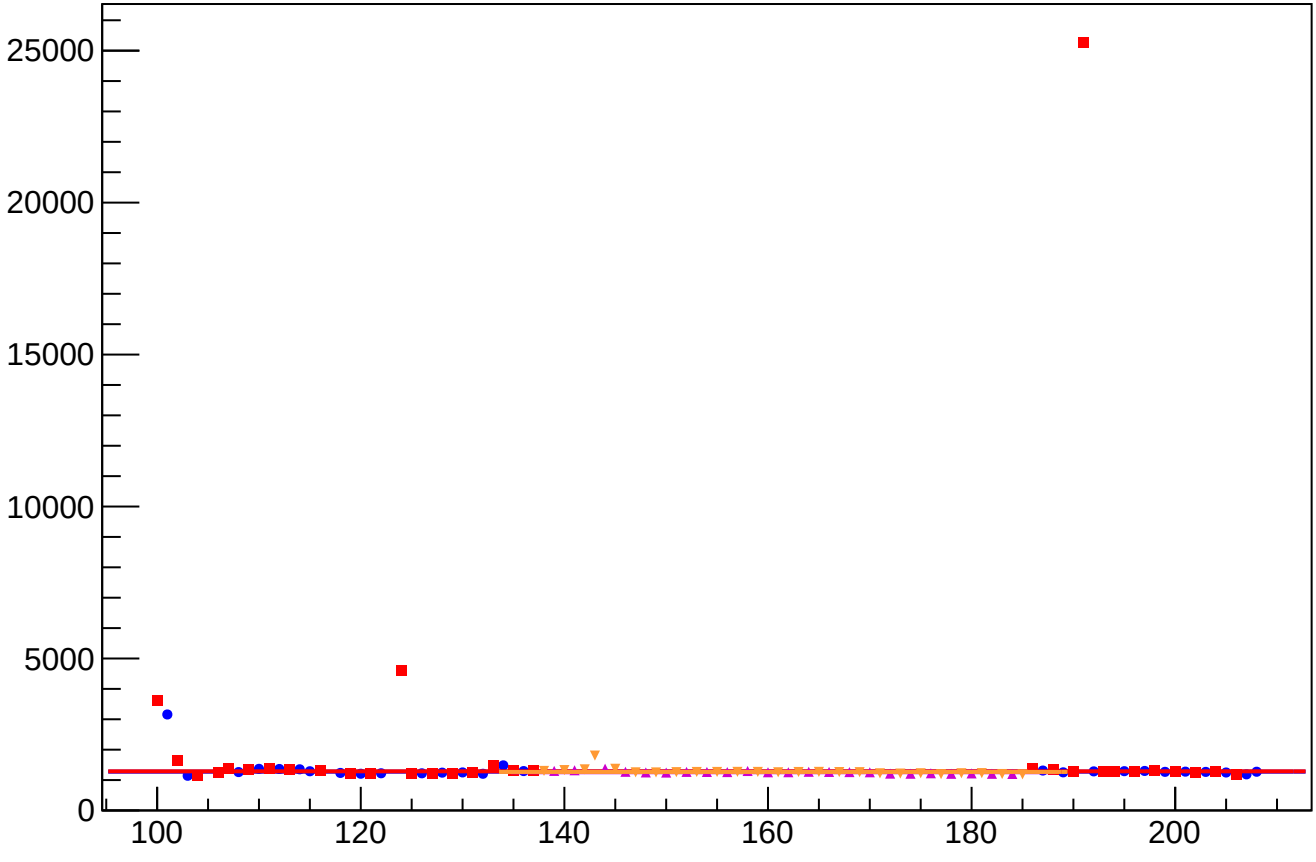
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 61.988+/-215.328 χ^2/NDF: 73.8/51

All: 159.417+/-153.064 χ^2/NDF: 118.0/105

- sign 258.932+/-217.620 χ^2/NDF: 43.8/53

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1276.212+/-0.229 χ^2/NDF: 528341.6/26

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

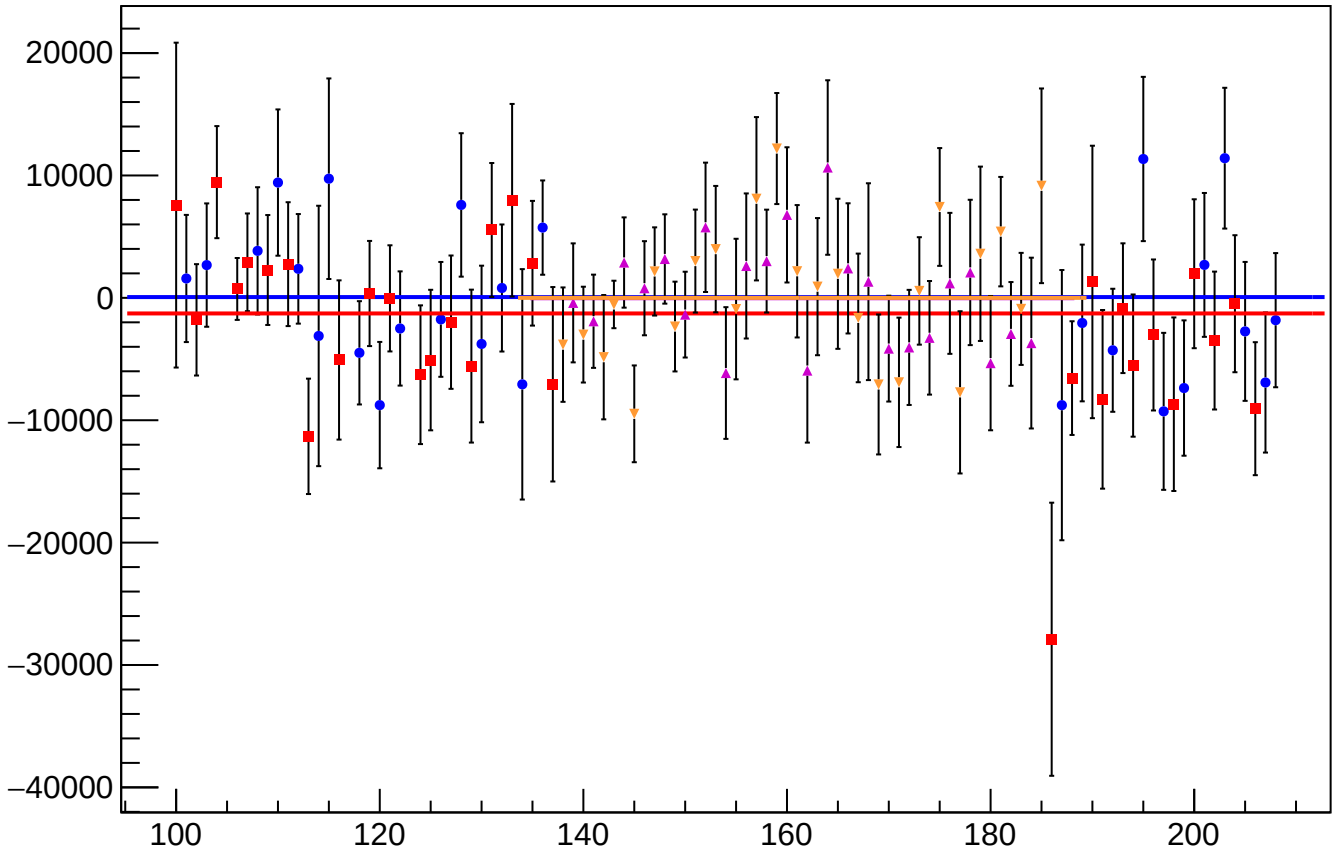
Right Out: 1287.807+/-0.229 χ^2/NDF: 482231.5/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716796.8/51

All: 1271.141+/-0.108 χ^2/NDF: 1245430.1/10

- sign 1271.221+/-0.154 χ^2/NDF: 528632.7/53



Right In: 63.227+/-1069.204 χ^2/NDF: 28.6/26

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

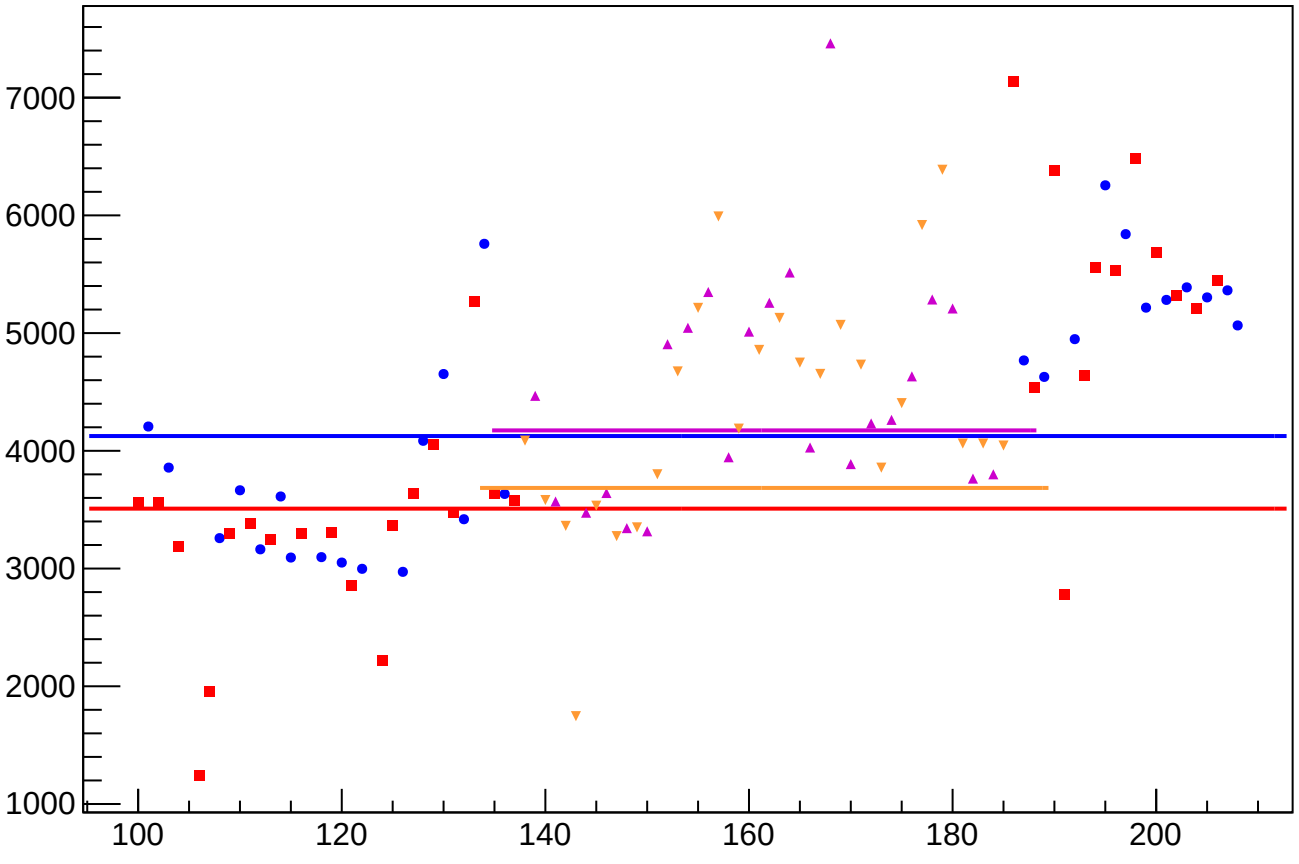
Right Out: -1274.218+/-941.994 χ^2/NDF: 32.1/30

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 25.399+/-682.434 χ^2/NDF: 57.6/51

All: -329.944+/-483.168 χ^2/NDF: 105.1/105

- sign -687.101+/-684.175 χ^2/NDF: 46.9/53



Right In: 4125.558+/-0.756 χ^2/NDF: 1696125.4/26

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3508.883+/-0.666 χ^2/NDF: 4479226.0/30

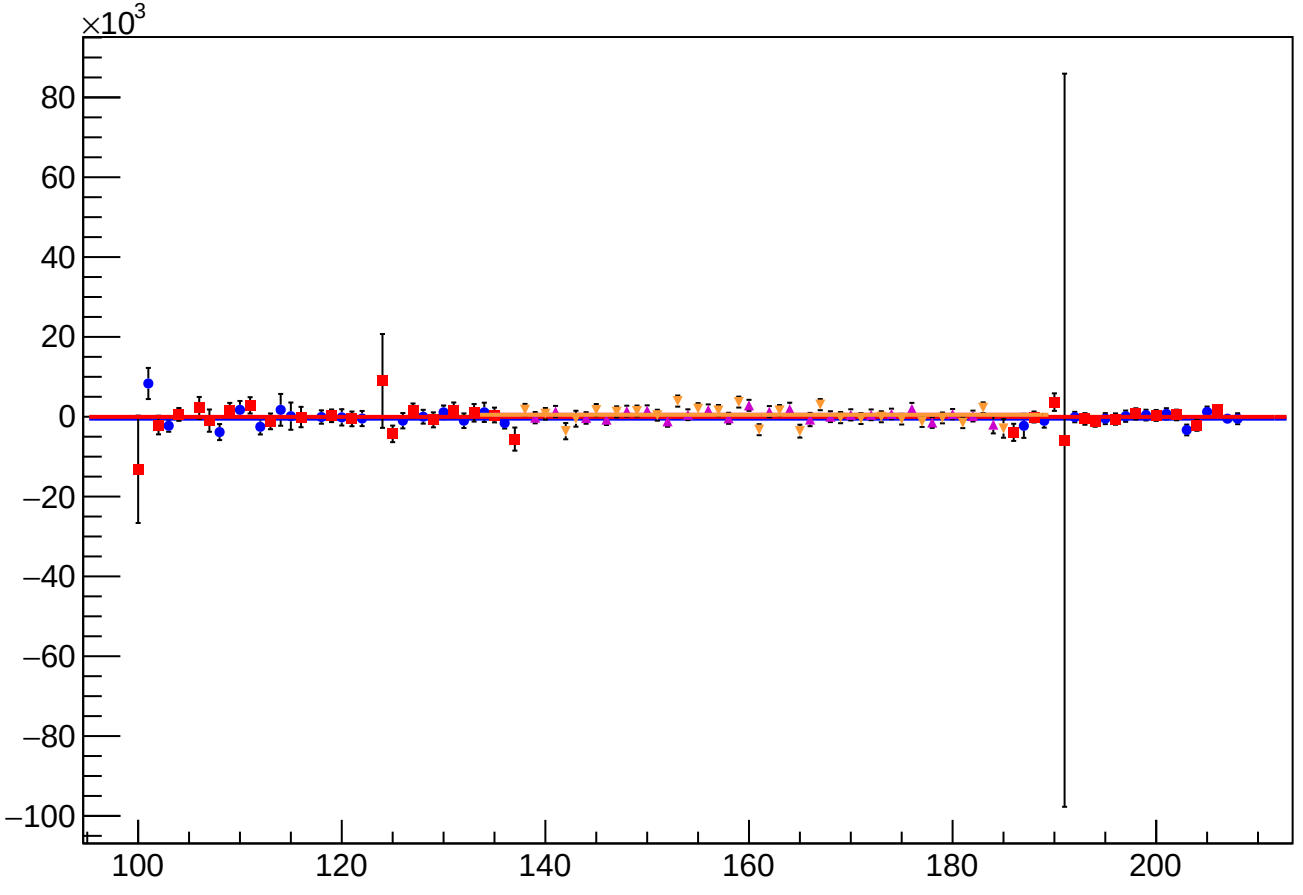
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3864.338+/-0.483 χ^2/NDF: 5591212.3/51

All: 3843.686+/-0.342 χ^2/NDF: 11819552.1/1

\- sign 3822.928+/-0.484 χ^2/NDF: 6224667.3/53

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -31.039+/-324.058 χ^2/NDF: 28.5/30

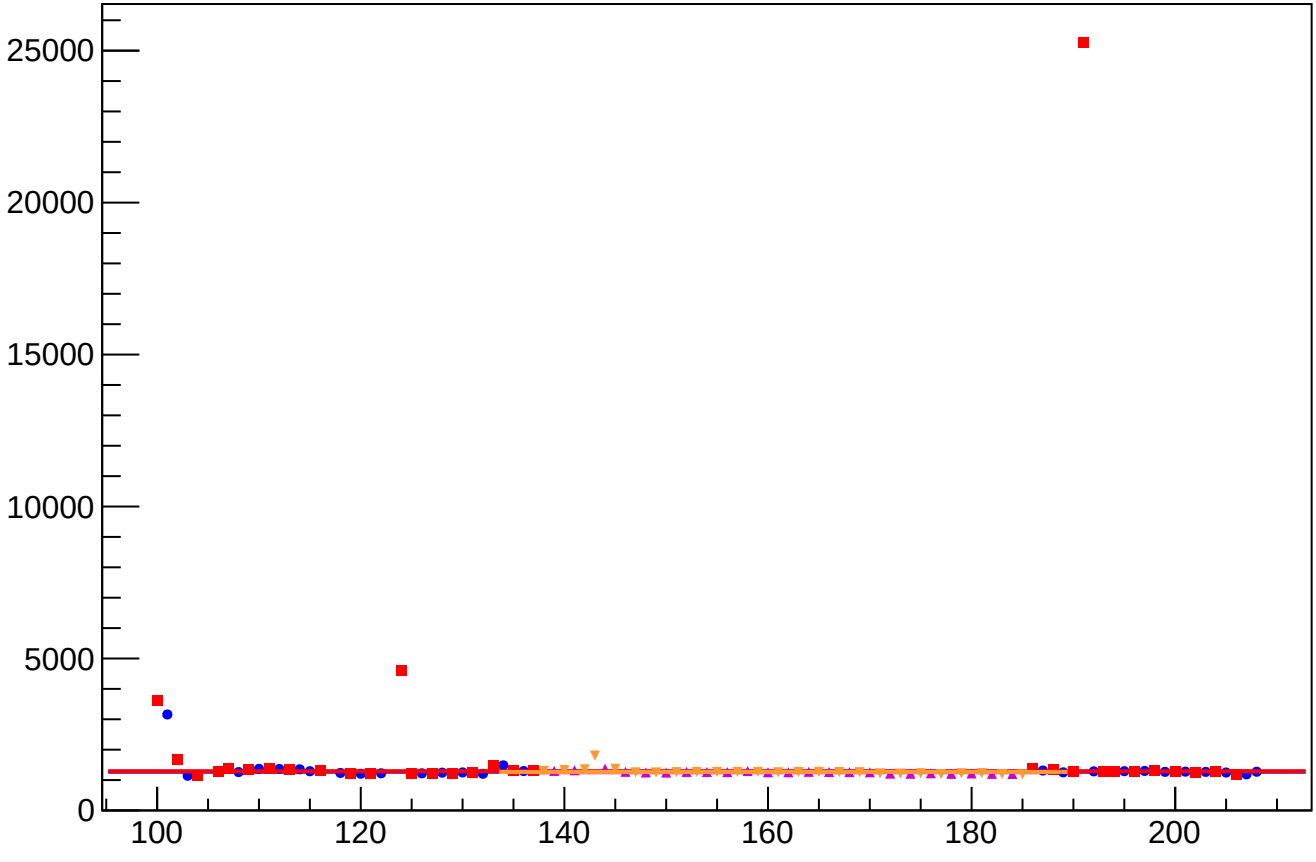
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.935+/-215.328 χ^2/NDF: 73.8/51

All: 156.524+/-153.074 χ^2/NDF: 118.5/105

- sign 253.163+/-217.648 χ^2/NDF: 44.3/53

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

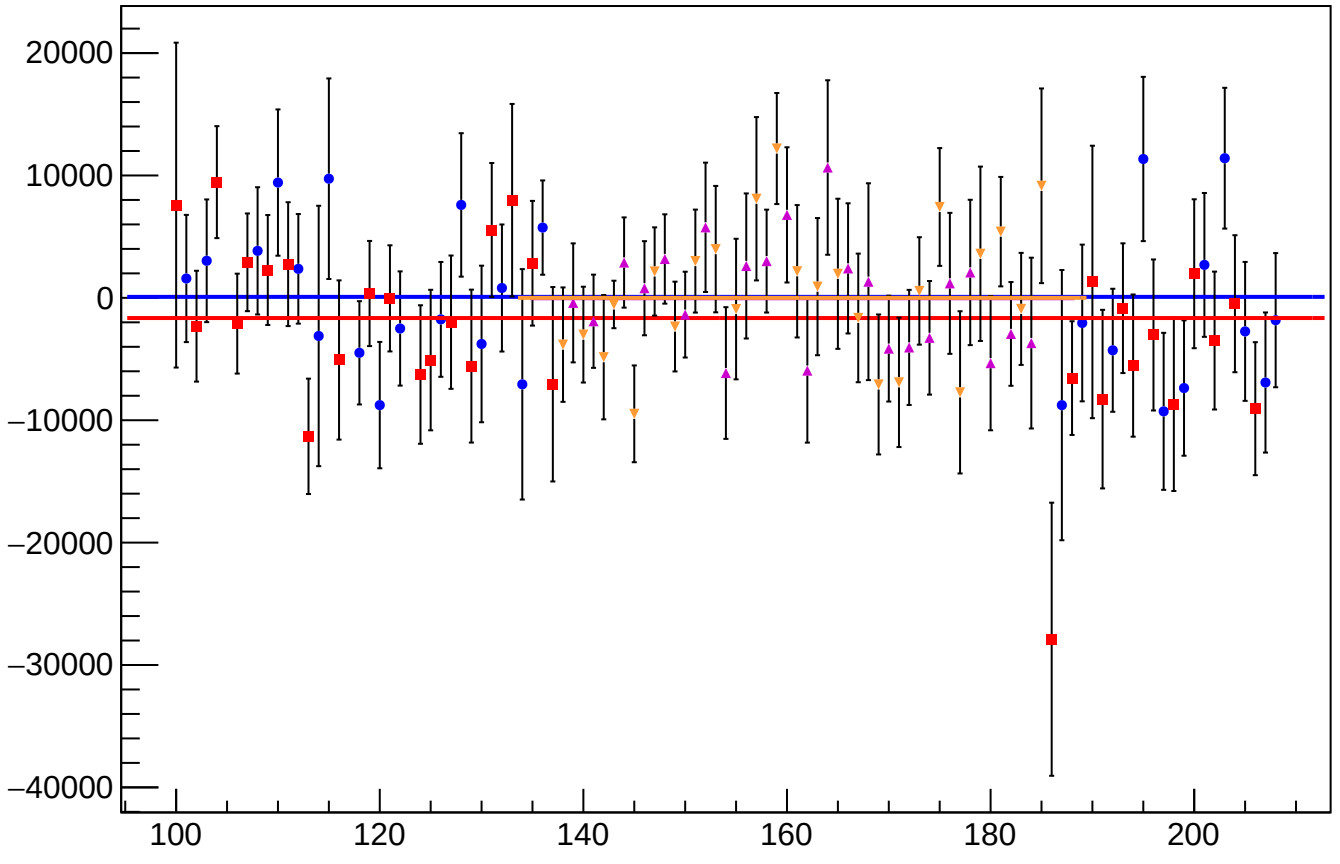
Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716798.2/51

All: 1271.333+/-0.108 χ^2/NDF: 1252918.1/10

- sign 1271.610+/-0.154 χ^2/NDF: 536113.4/53



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

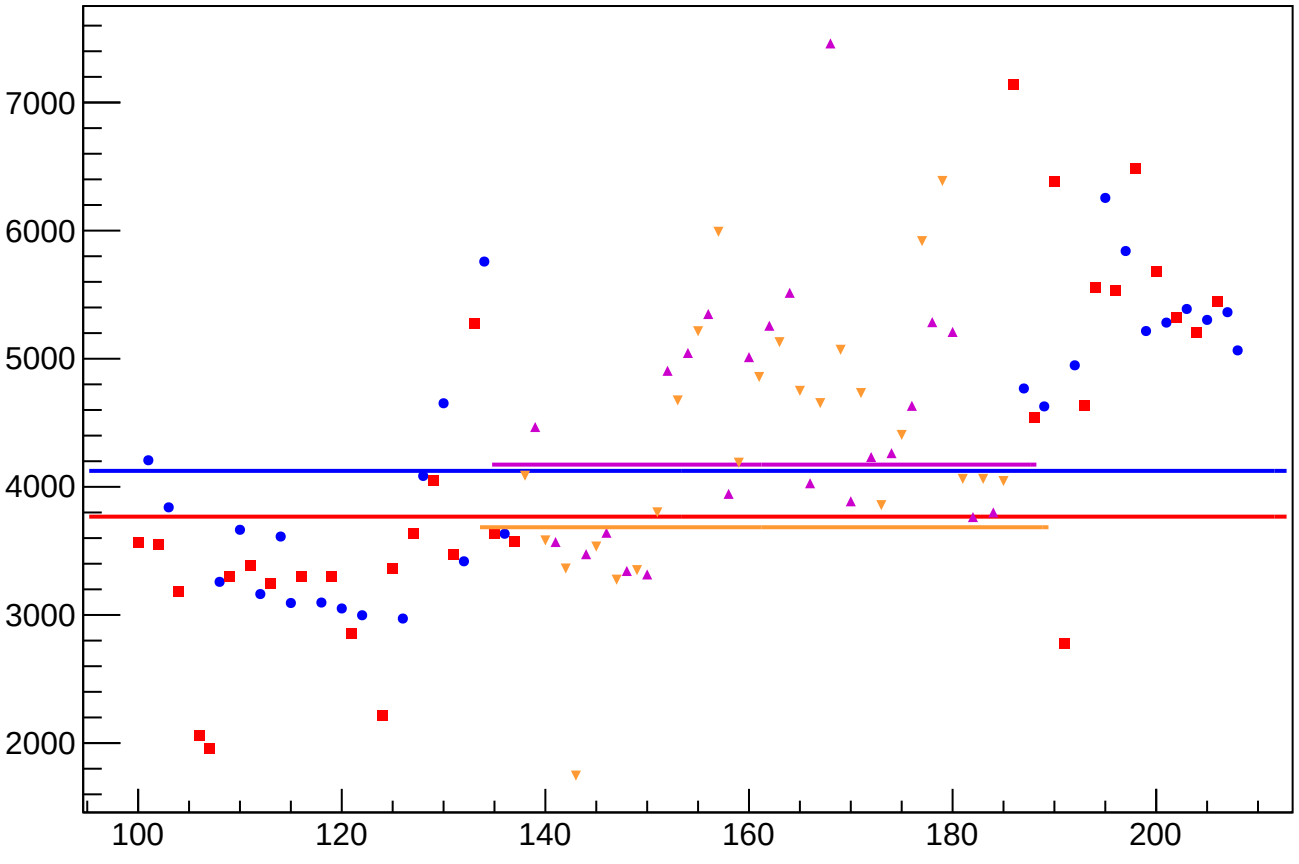
Right Out: -1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 32.411+/-682.372 χ^2/NDF: 57.7/51

All: -397.196+/-488.634 χ^2/NDF: 105.3/105

- sign -849.330+/-700.033 χ^2/NDF: 46.7/53



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

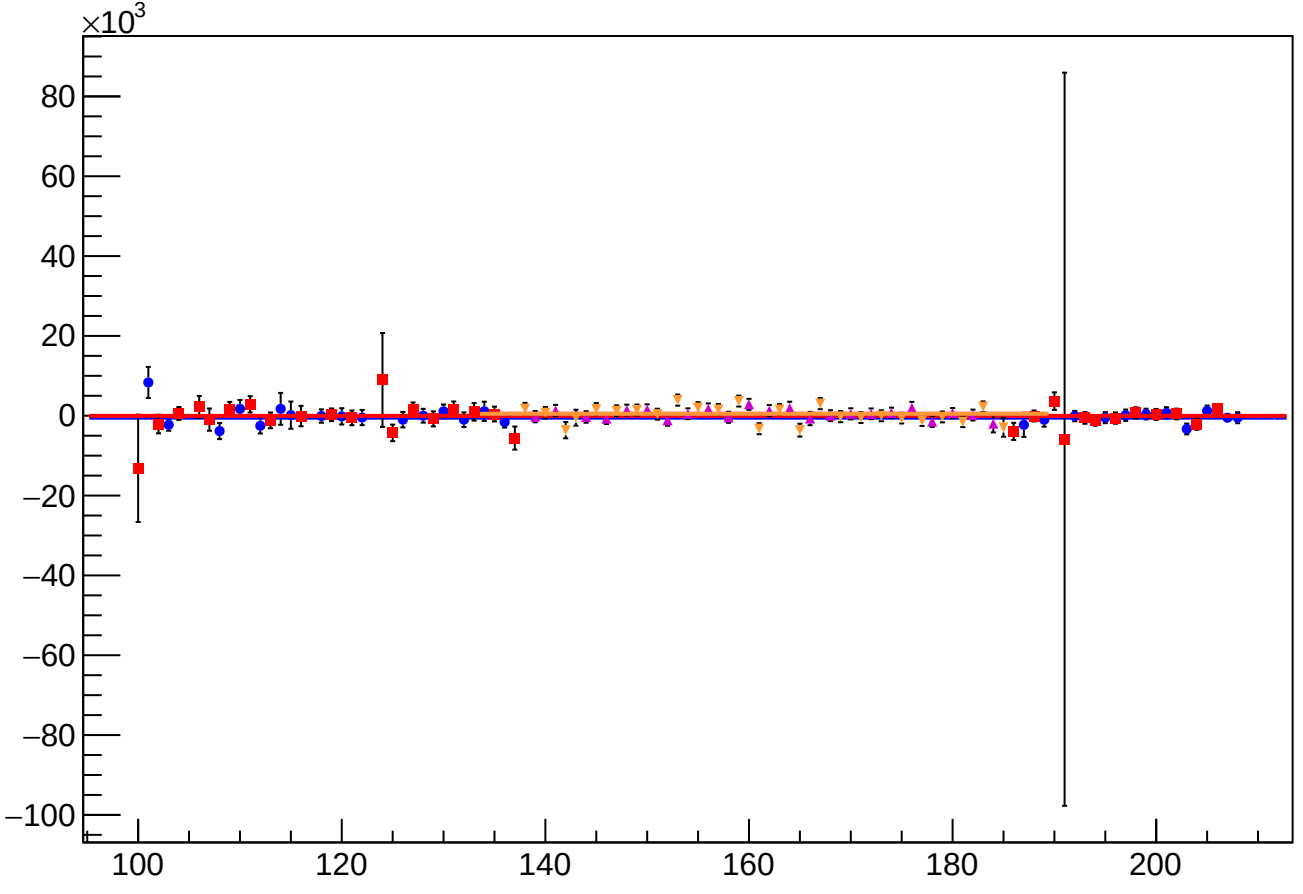
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3864.026+/-0.483 χ^2/NDF: 5591359.7/51

All: 3914.838+/-0.346 χ^2/NDF: 10043404.8/1

- sign 3968.315+/-0.495 χ^2/NDF: 4429284.0/53

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -31.039+/-324.058 χ^2/NDF: 28.5/30

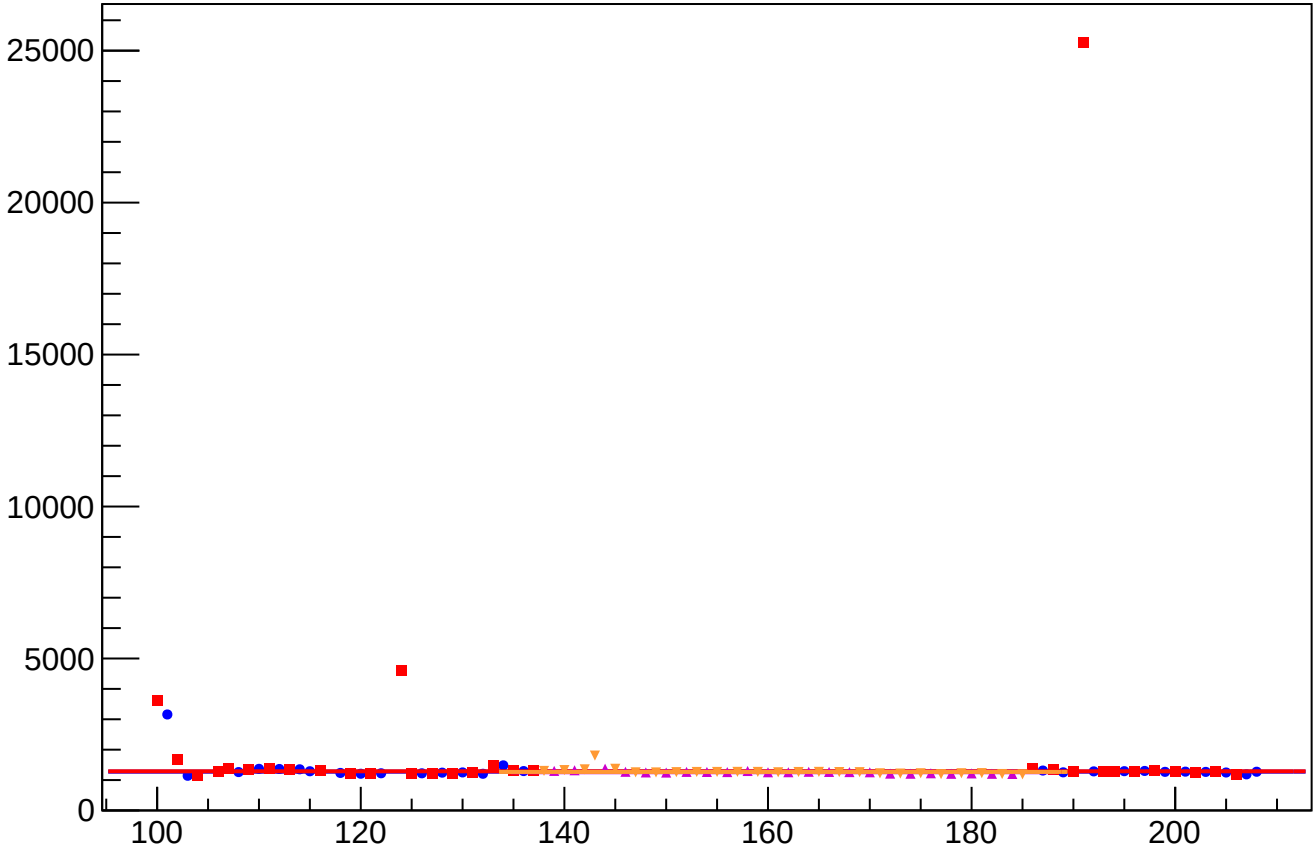
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.935+/-215.328 χ^2/NDF: 73.8/51

All: 156.524+/-153.074 χ^2/NDF: 118.5/105

- sign 253.163+/-217.648 χ^2/NDF: 44.3/53

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

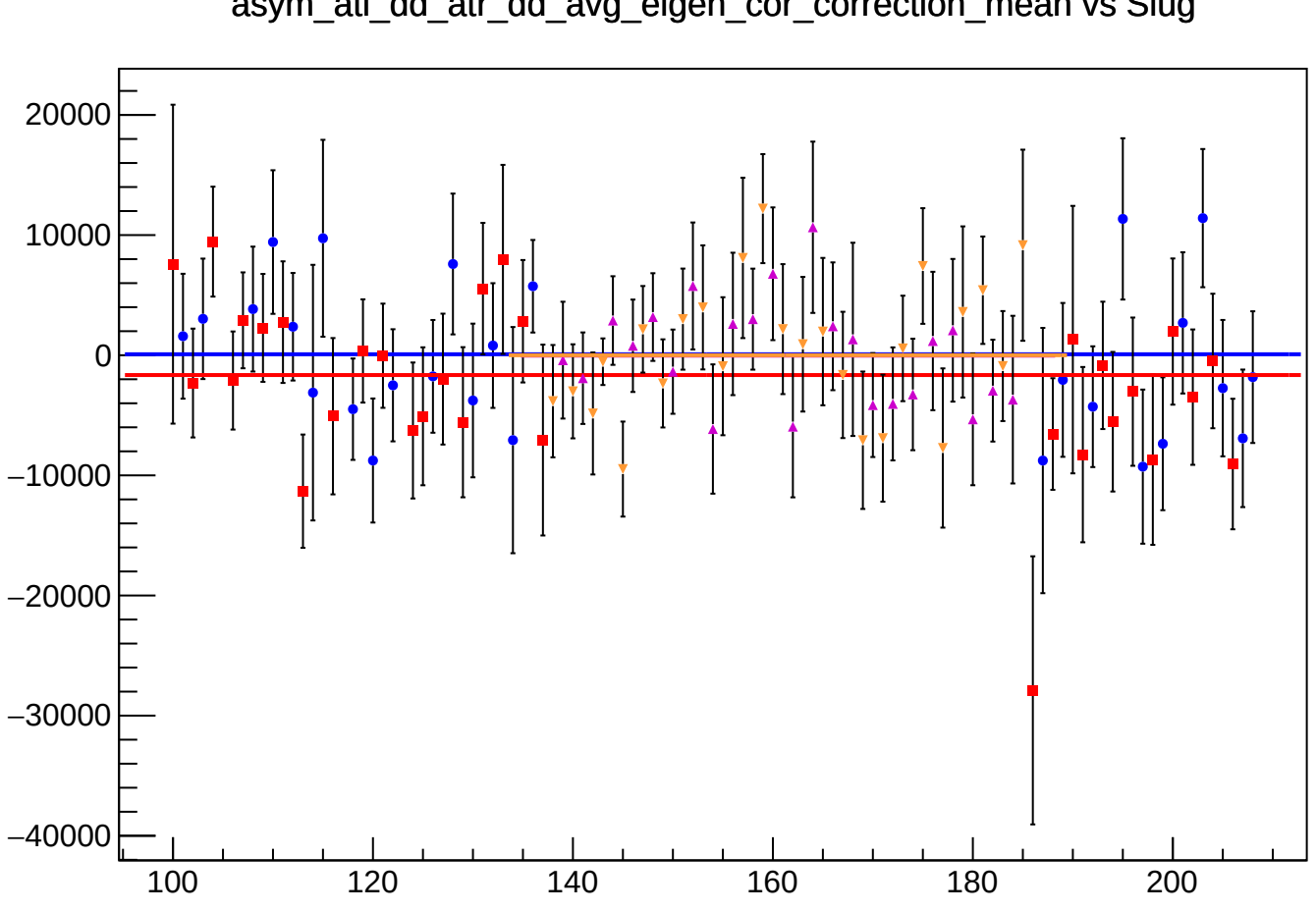
Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716798.2/51

All: 1271.333+/-0.108 χ^2/NDF: 1252918.1/10

- sign 1271.610+/-0.154 χ^2/NDF: 536113.4/53



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

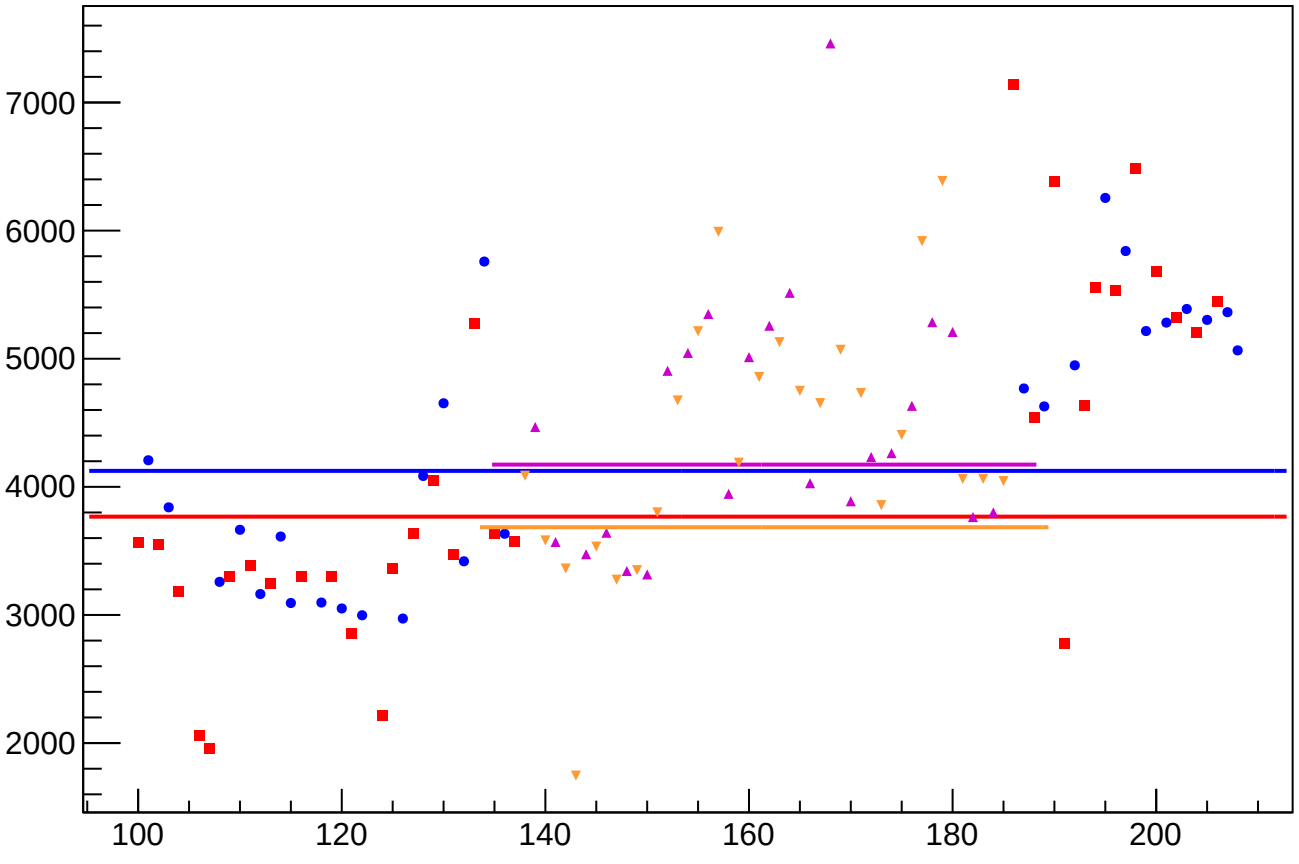
Right Out: -1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 32.411+/-682.372 χ^2/NDF: 57.7/51

All: -397.196+/-488.634 χ^2/NDF: 105.3/105

- sign -849.330+/-700.033 χ^2/NDF: 46.7/53



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

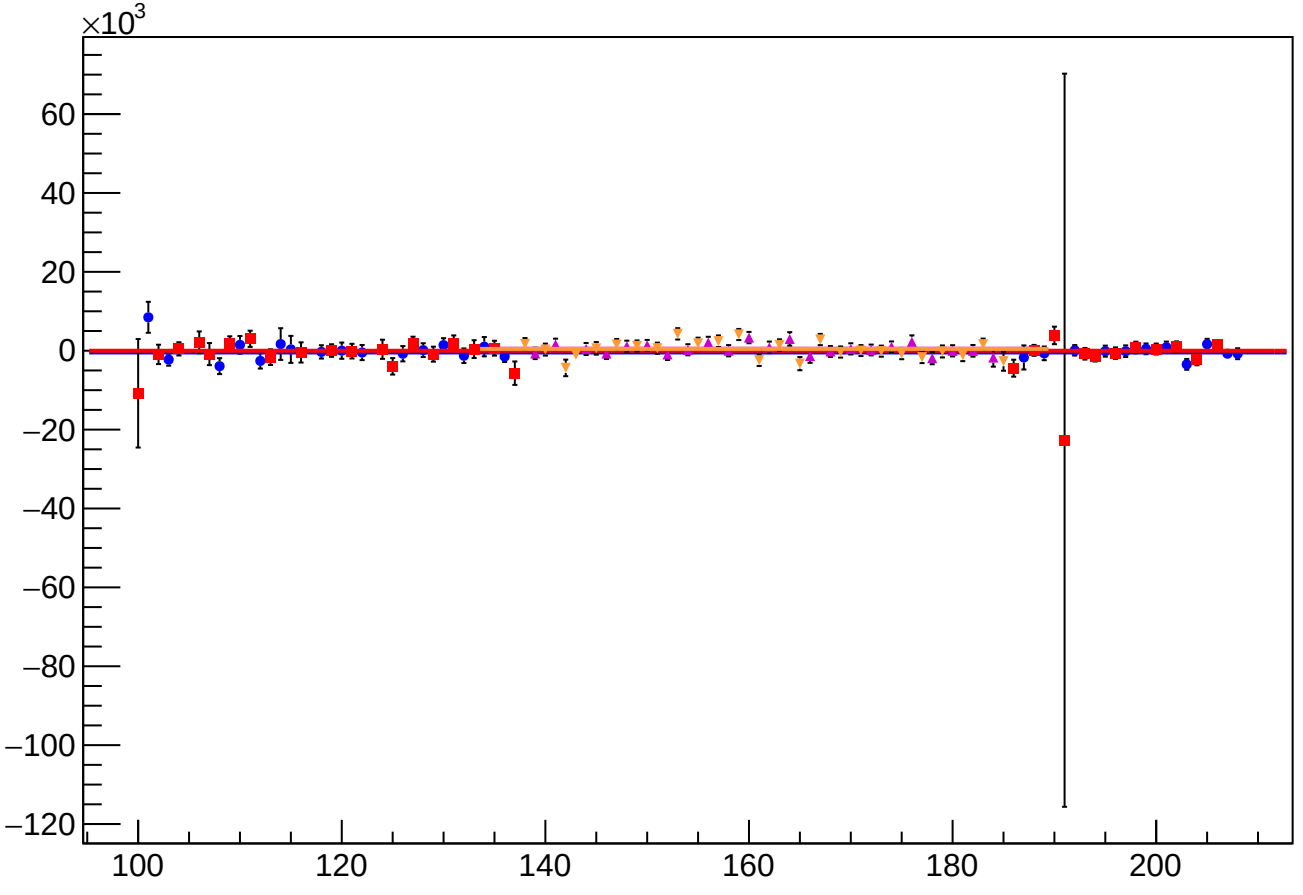
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3864.026+/-0.483 χ^2/NDF: 5591359.7/51

All: 3914.838+/-0.346 χ^2/NDF: 10043404.8/1

\- sign 3968.315+/-0.495 χ^2/NDF: 4429284.0/53

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -436.980+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -5.003+/-326.544 χ^2/NDF: 29.0/30

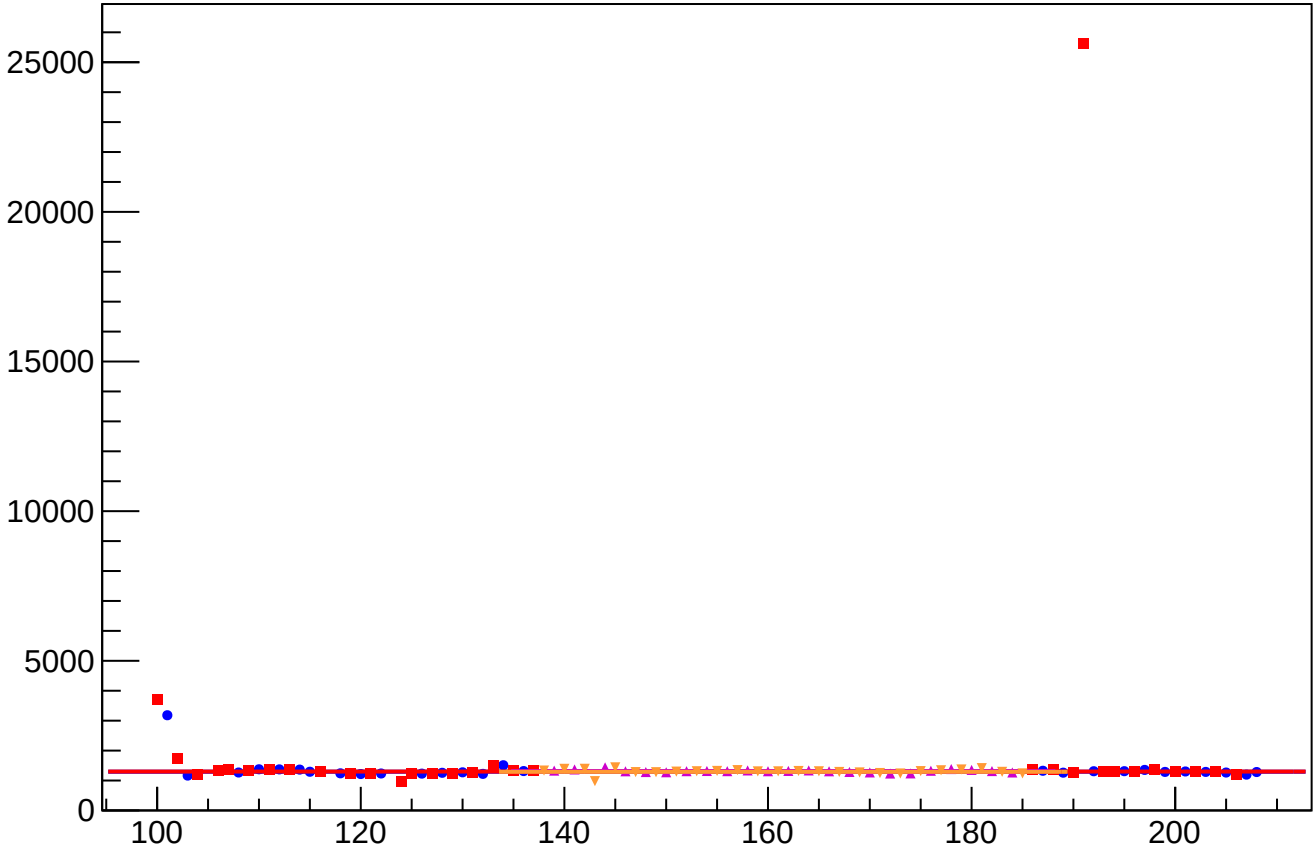
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 64.500+/-219.054 χ^2/NDF: 71.6/51

All: 162.603+/-156.509 χ^2/NDF: 119.7/105

- sign 264.905+/-223.693 χ^2/NDF: 47.7/53

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.1/26

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

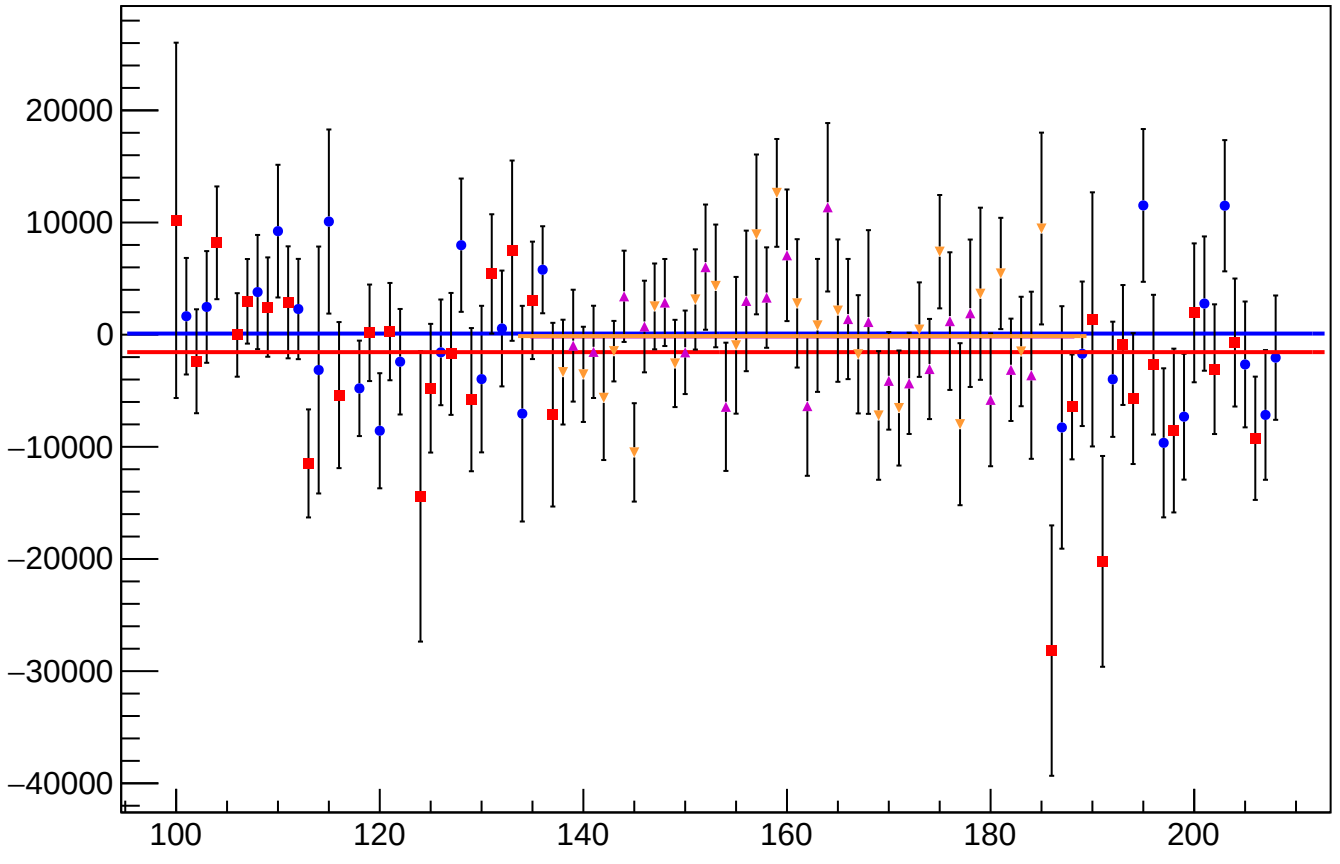
Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.0/30

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1292.414+/-0.155 χ^2/NDF: 759741.3/51

All: 1299.772+/-0.111 χ^2/NDF: 1187311.4/10

- sign 1307.442+/-0.158 χ^2/NDF: 422961.4/53



Right In: 98.258+/-1074.950 χ^2/NDF: 28.4/26

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

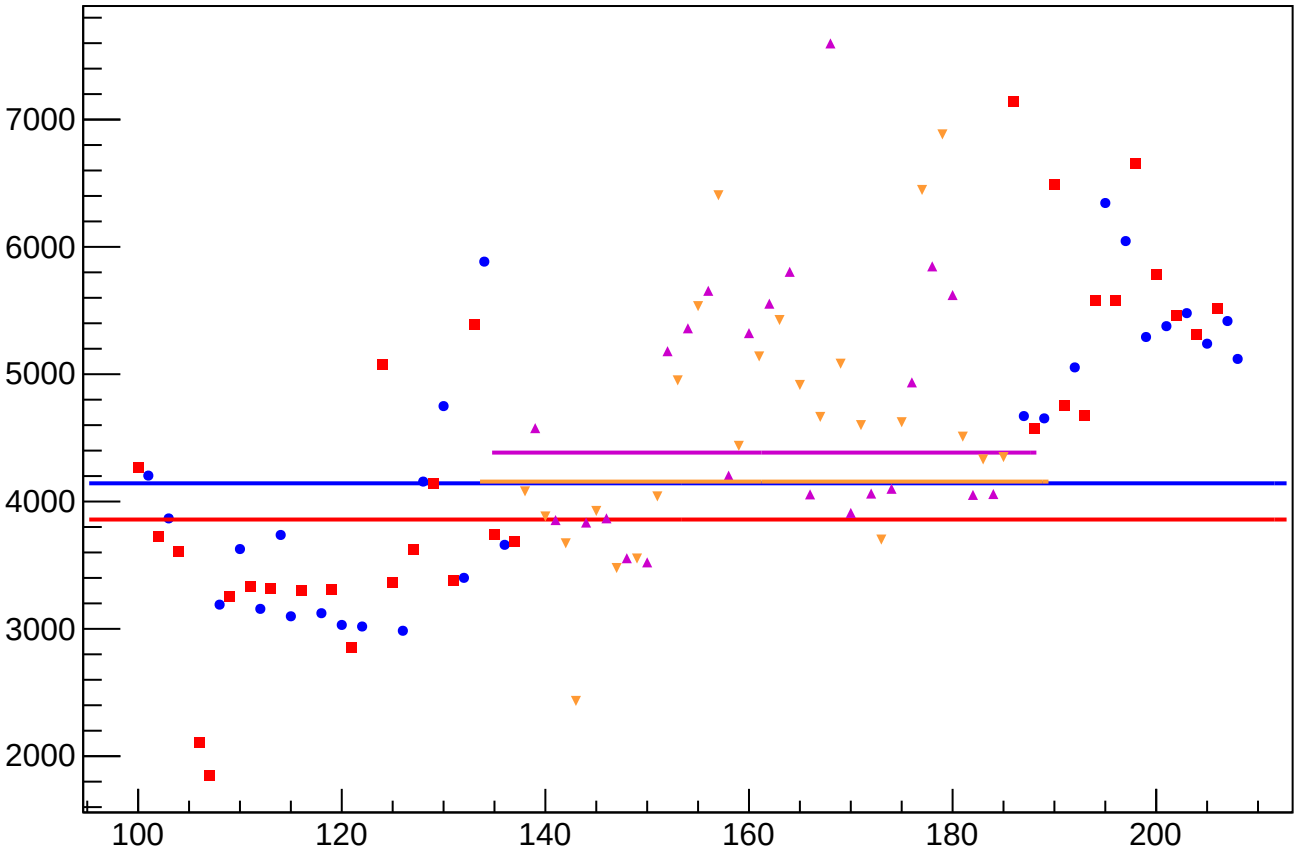
Right Out: -1556.741+/-1002.016 χ^2/NDF: 33.1/30

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -25.222+/-723.091 χ^2/NDF: 57.0/51

All: -456.298+/-511.419 χ^2/NDF: 105.5/105

- sign -887.765+/-723.420 χ^2/NDF: 47.8/53



Right In: 4143.082+/-0.760 χ^2/NDF: 1785243.1/26

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

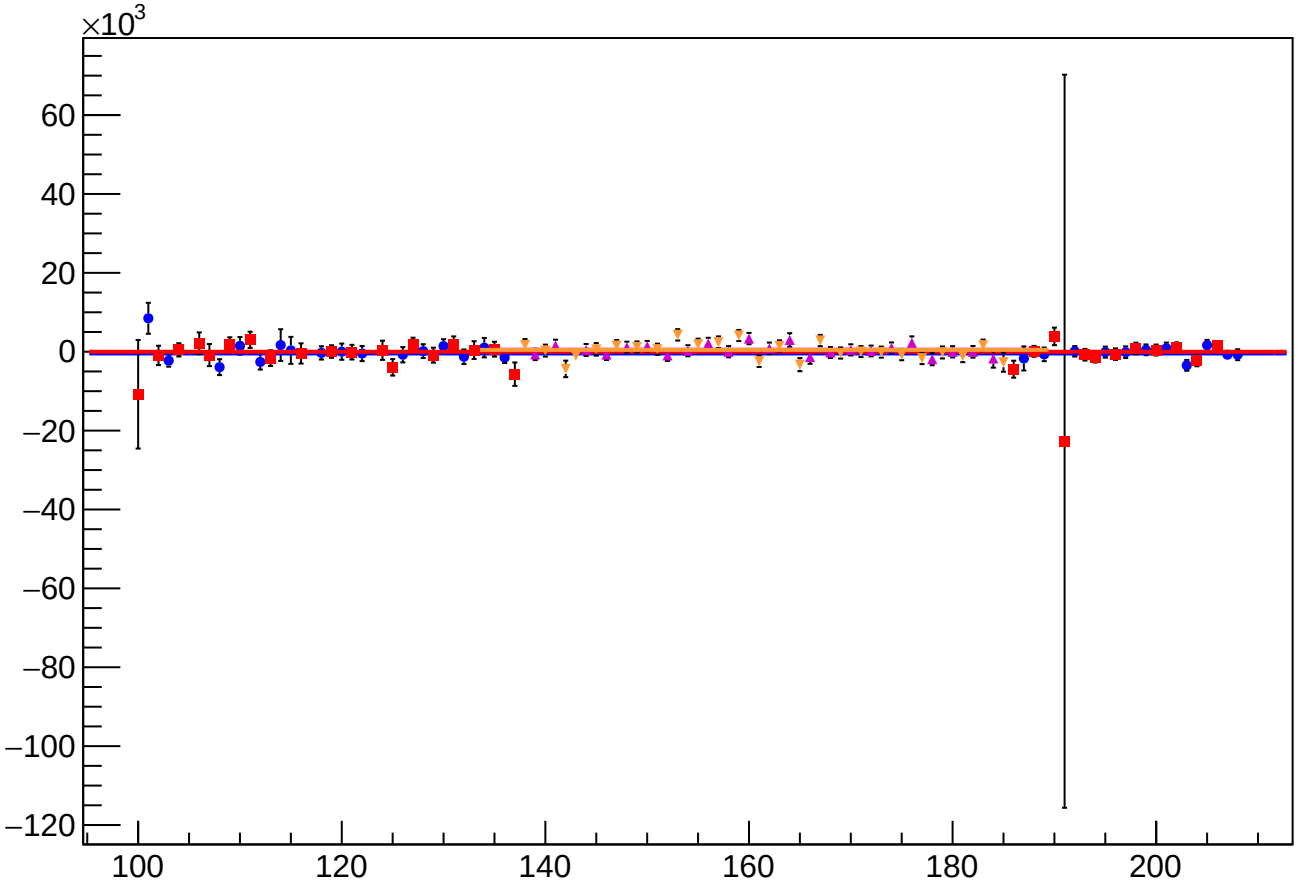
Right Out: 3858.672+/-0.709 χ^2/NDF: 3057818.8/30

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4150.473+/-0.511 χ^2/NDF: 3866181.9/51

All: 4130.414+/-0.362 χ^2/NDF: 8446062.8/10

- sign 4110.336+/-0.512 χ^2/NDF: 4576801.2/53



Right In: -436.981+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -5.002+/-326.544 χ^2/NDF: 29.0/30

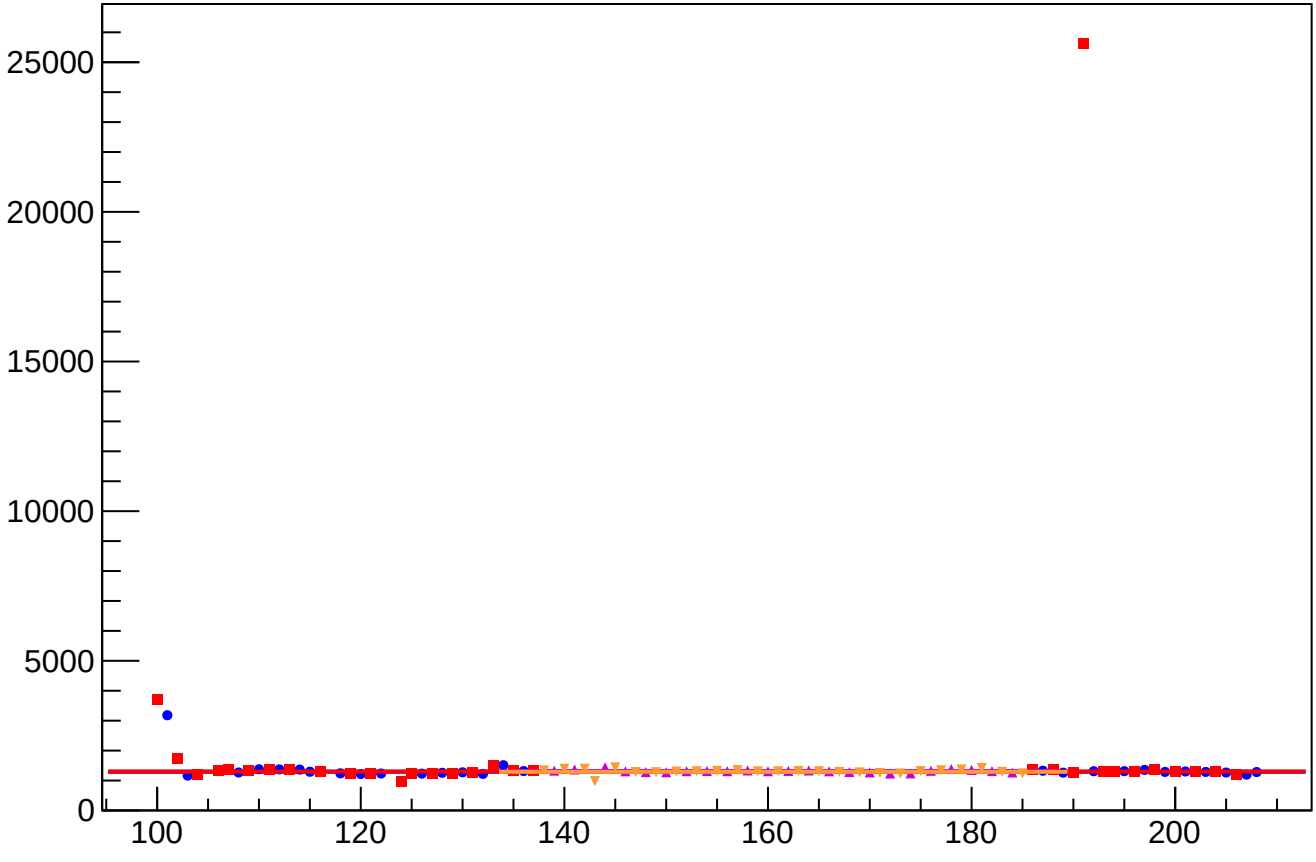
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 64.501+/-219.054 χ^2/NDF: 71.6/51

All: 162.604+/-156.509 χ^2/NDF: 119.7/105

- sign 264.905+/-223.694 χ^2/NDF: 47.7/53

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.2/26

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

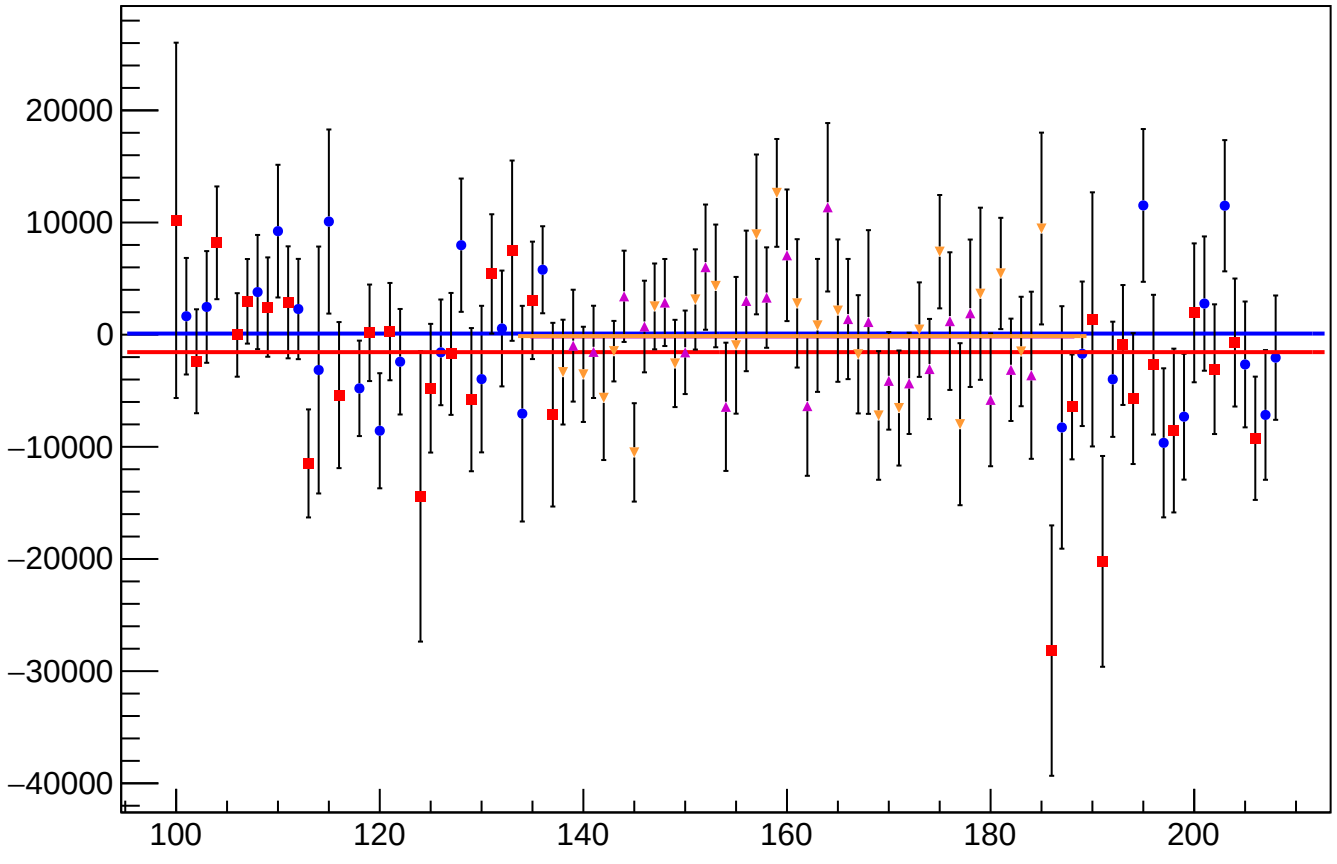
Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.1/30

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1292.415+/-0.155 χ^2/NDF: 759743.7/51

All: 1299.773+/-0.111 χ^2/NDF: 1187316.5/10

- sign 1307.443+/-0.158 χ^2/NDF: 422964.0/53



Right In: 98.254+/-1074.949 χ^2/NDF: 28.4/26

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

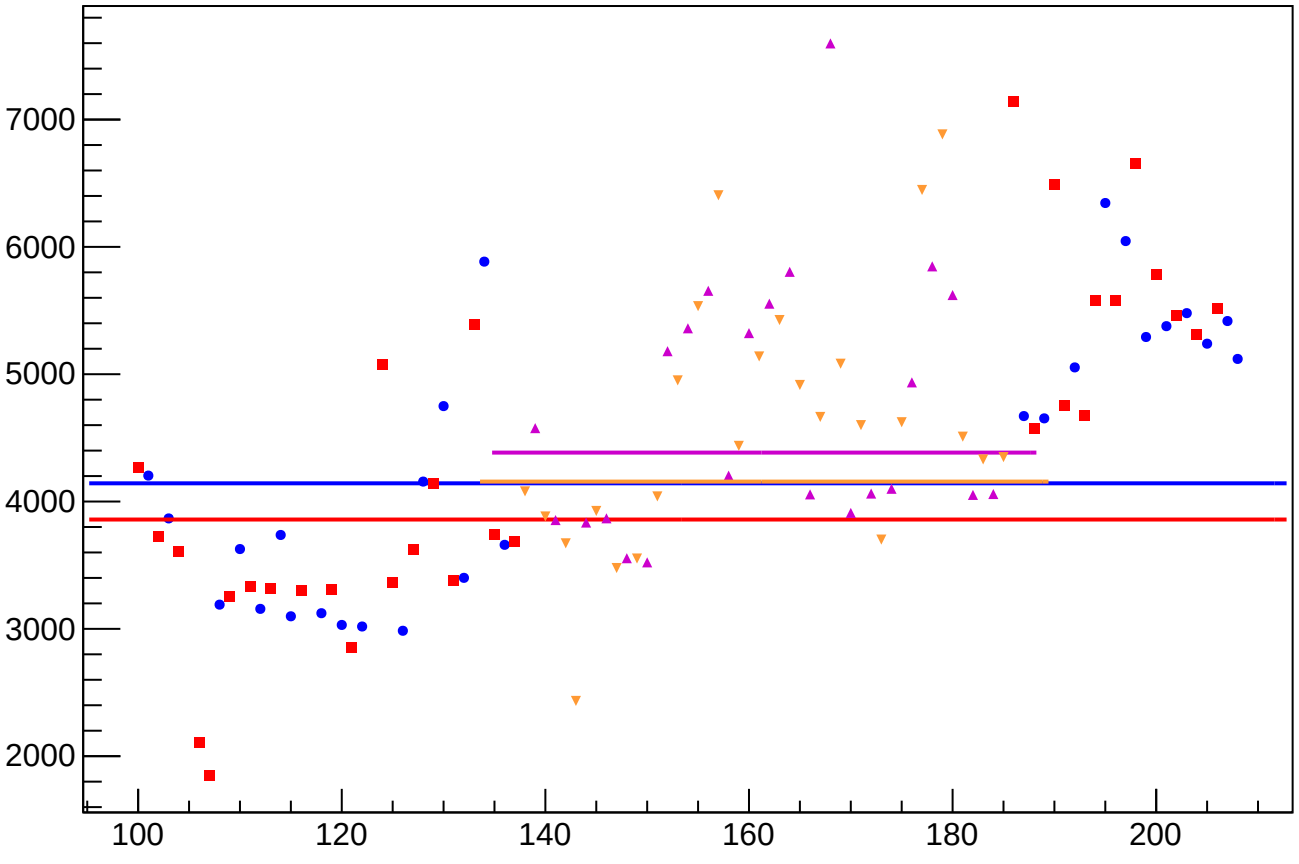
Right Out: -1556.733+/-1002.014 χ^2/NDF: 33.1/30

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -25.223+/-723.091 χ^2/NDF: 57.0/51

All: -456.297+/-511.419 χ^2/NDF: 105.5/105

- sign -887.763+/-723.420 χ^2/NDF: 47.8/53



Right In: 4143.076+/-0.760 χ^2/NDF: 1785274.0/26

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3858.666+/-0.709 χ^2/NDF: 3057847.1/30

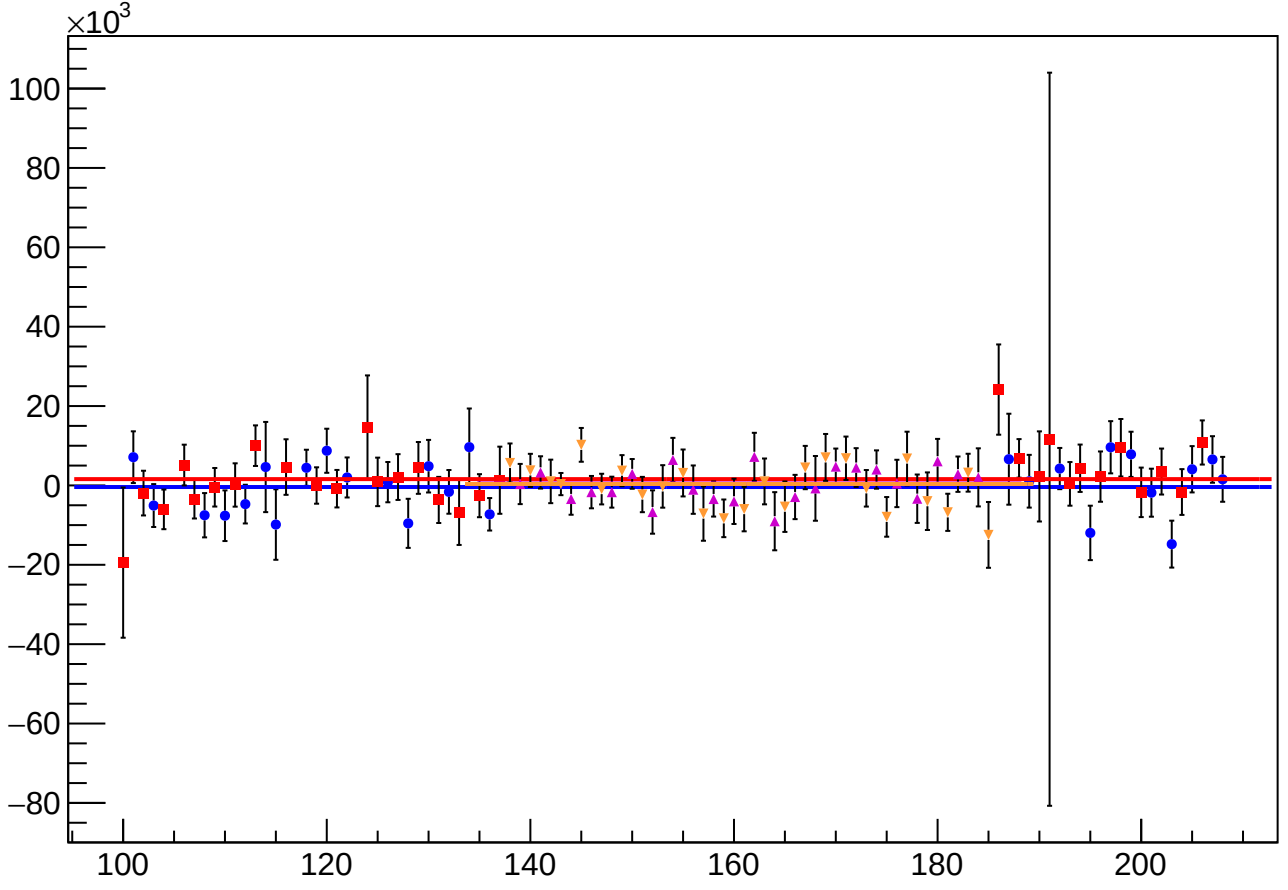
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4150.474+/-0.511 χ^2/NDF: 3866216.0/51

All: 4130.414+/-0.362 χ^2/NDF: 8446142.7/10

- sign 4110.336+/-0.512 χ^2/NDF: 4576846.9/53

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -403.476+/-1135.087 χ^2/NDF: 34.5/26

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1590.008+/-1090.282 χ^2/NDF: 22.8/30

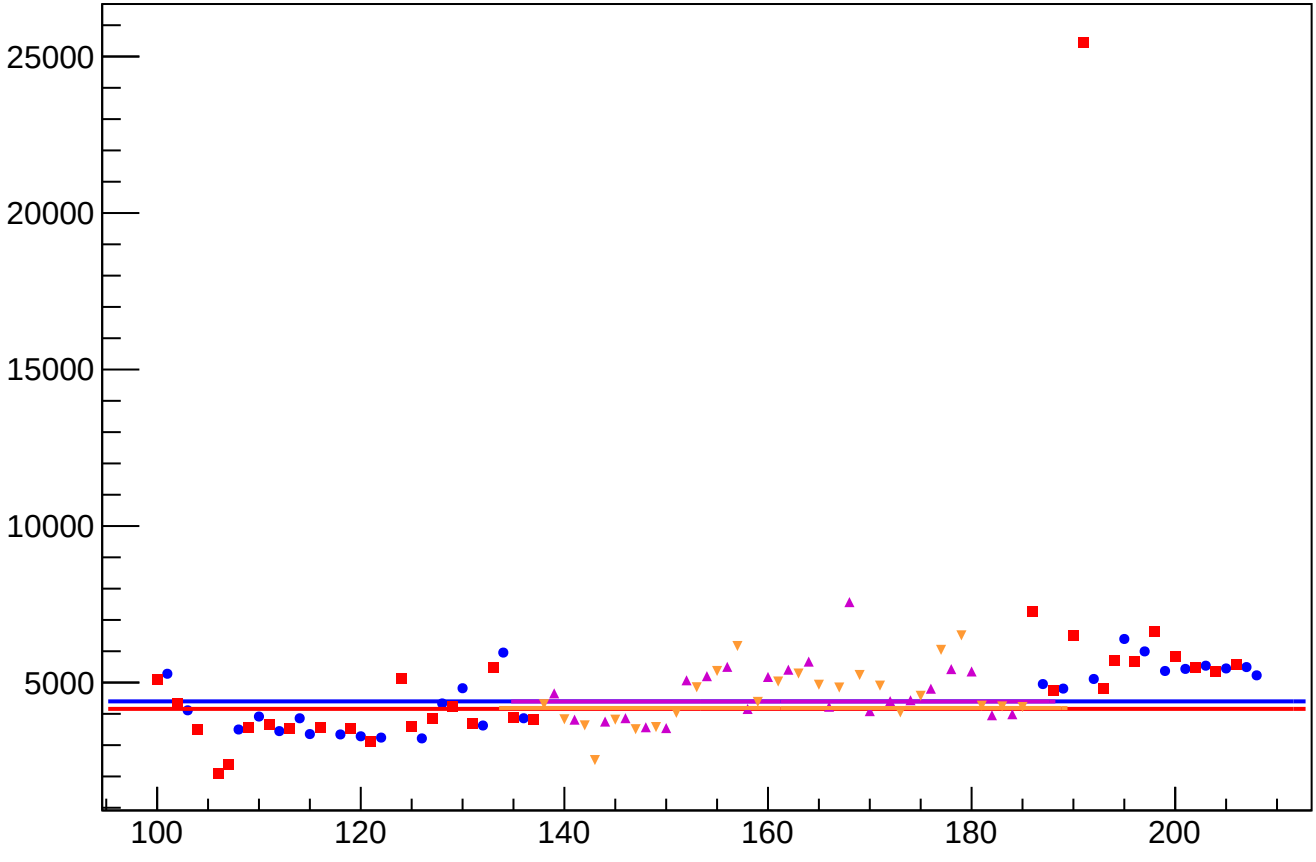
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign 35.446+/-741.724 χ^2/NDF: 62.5/51

All: 519.659+/-528.874 χ^2/NDF: 100.5/105

\- sign 1020.455+/-754.317 χ^2/NDF: 37.2/53

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4398.565+/-0.803 χ^2/NDF: 1456003.4/26

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

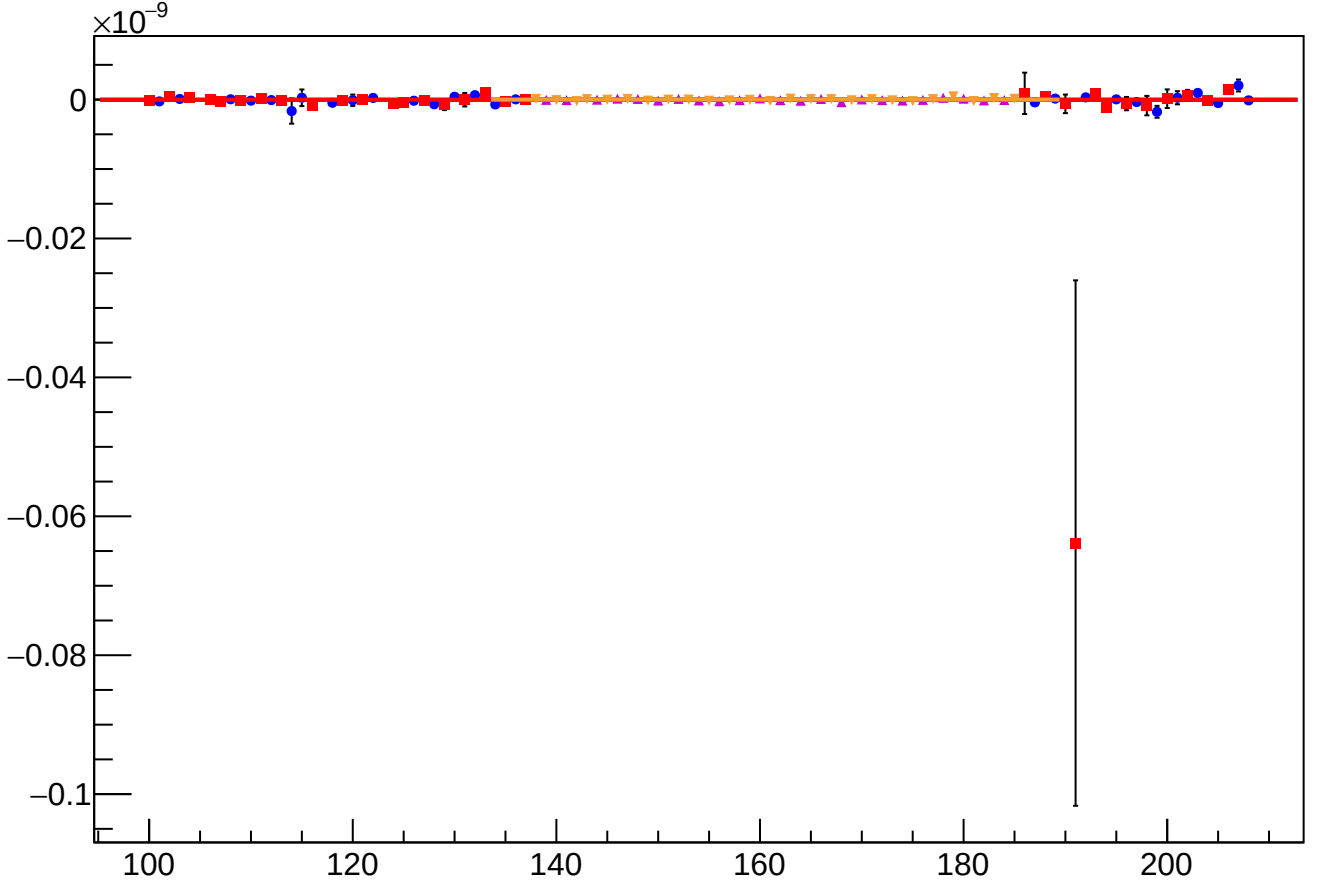
Right Out: 4158.534+/-0.764 χ^2/NDF: 2452358.5/30

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4277.825+/-0.524 χ^2/NDF: 3291843.3/51

All: 4279.086+/-0.373 χ^2/NDF: 6881842.3/10

- sign 4280.379+/-0.531 χ^2/NDF: 3589987.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

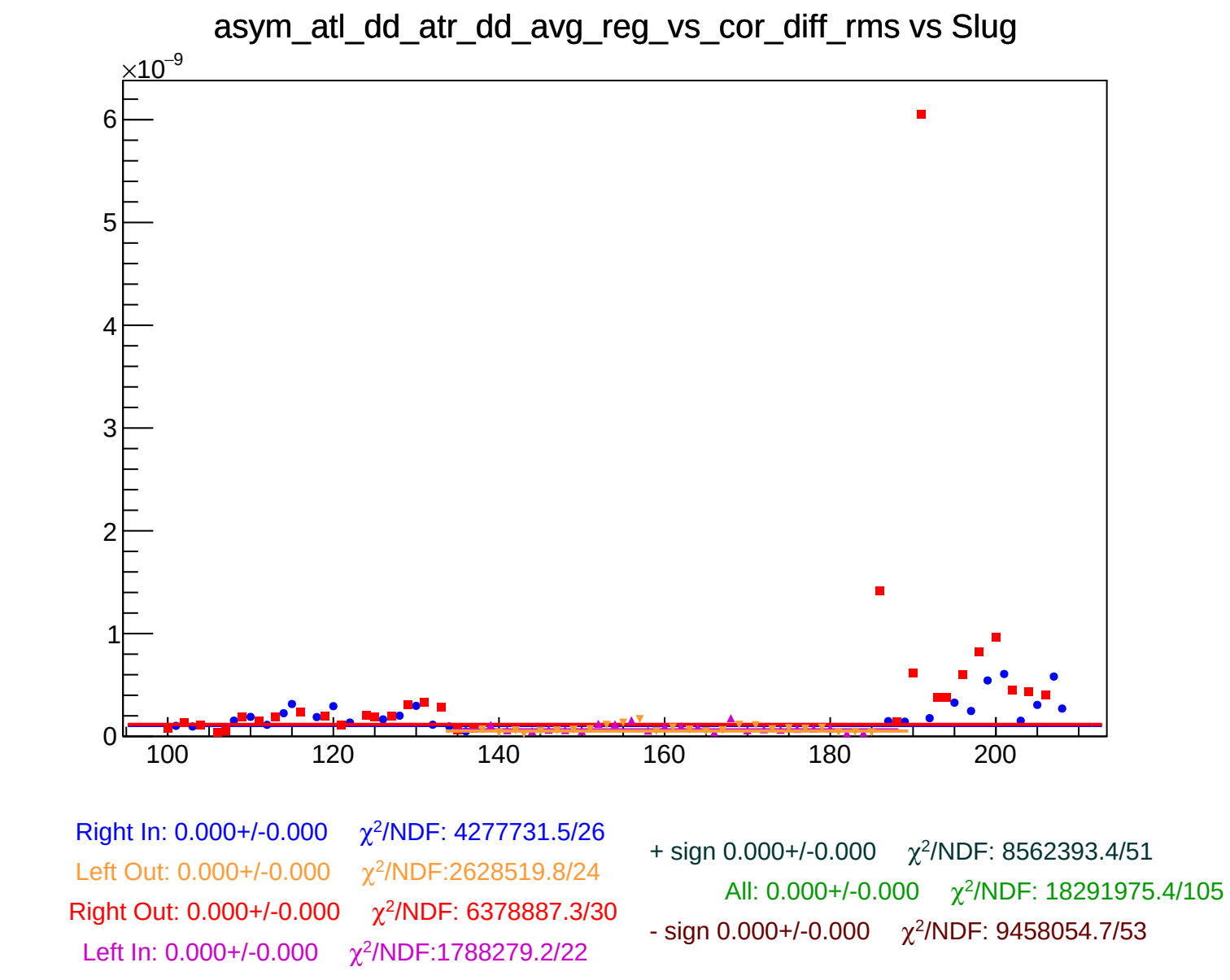
Right Out: -0.000+/-0.000 χ^2/NDF: 33.0/30

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

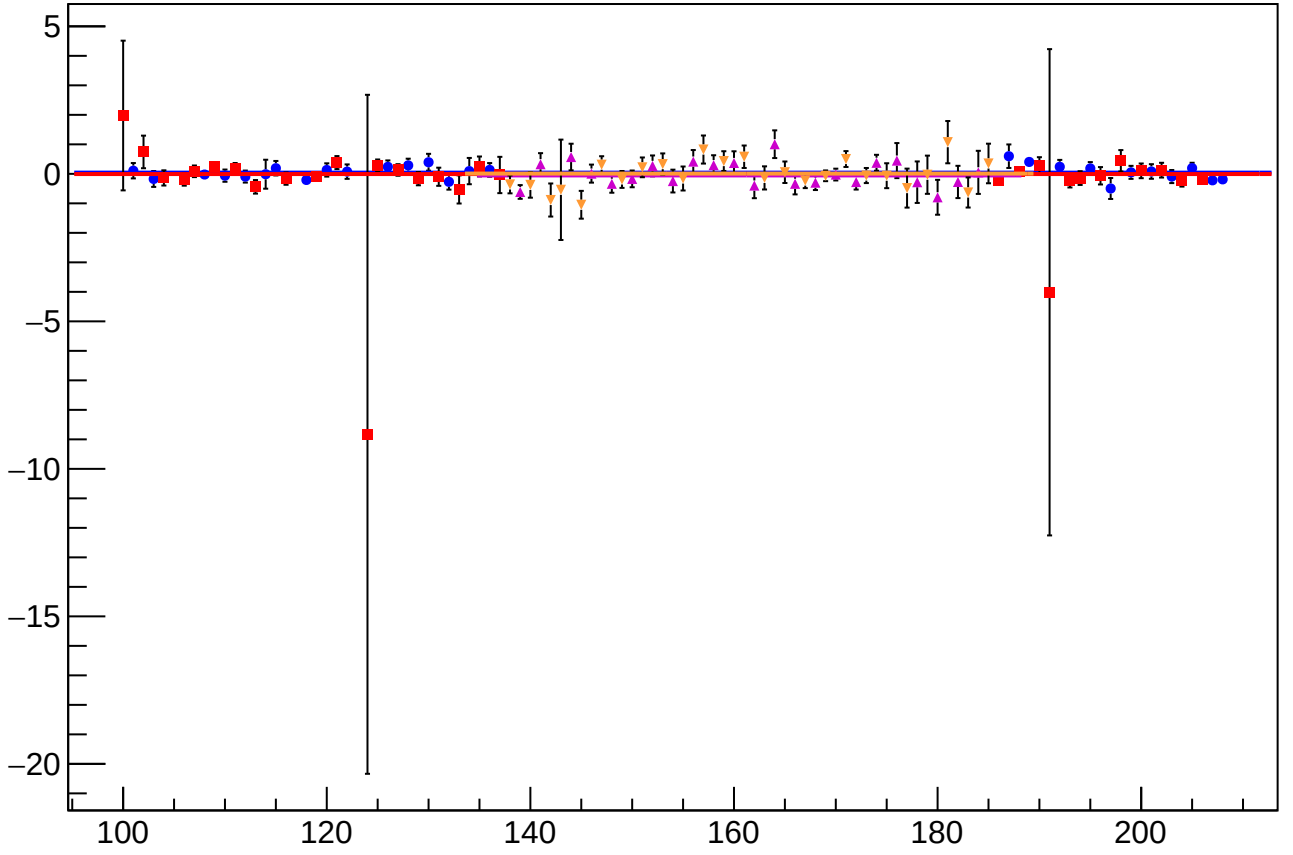
+ sign -0.000+/-0.000 χ^2/NDF: 64.9/51

All: -0.000+/-0.000 χ^2/NDF: 115.1/105

- sign -0.000+/-0.000 χ^2/NDF: 50.0/53


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4277731.5/26
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6378887.3/30
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 8562393.4/51
All: 0.000+/-0.000 χ²/NDF: 18291975.4/105
- sign 0.000+/-0.000 χ²/NDF: 9458054.7/53

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

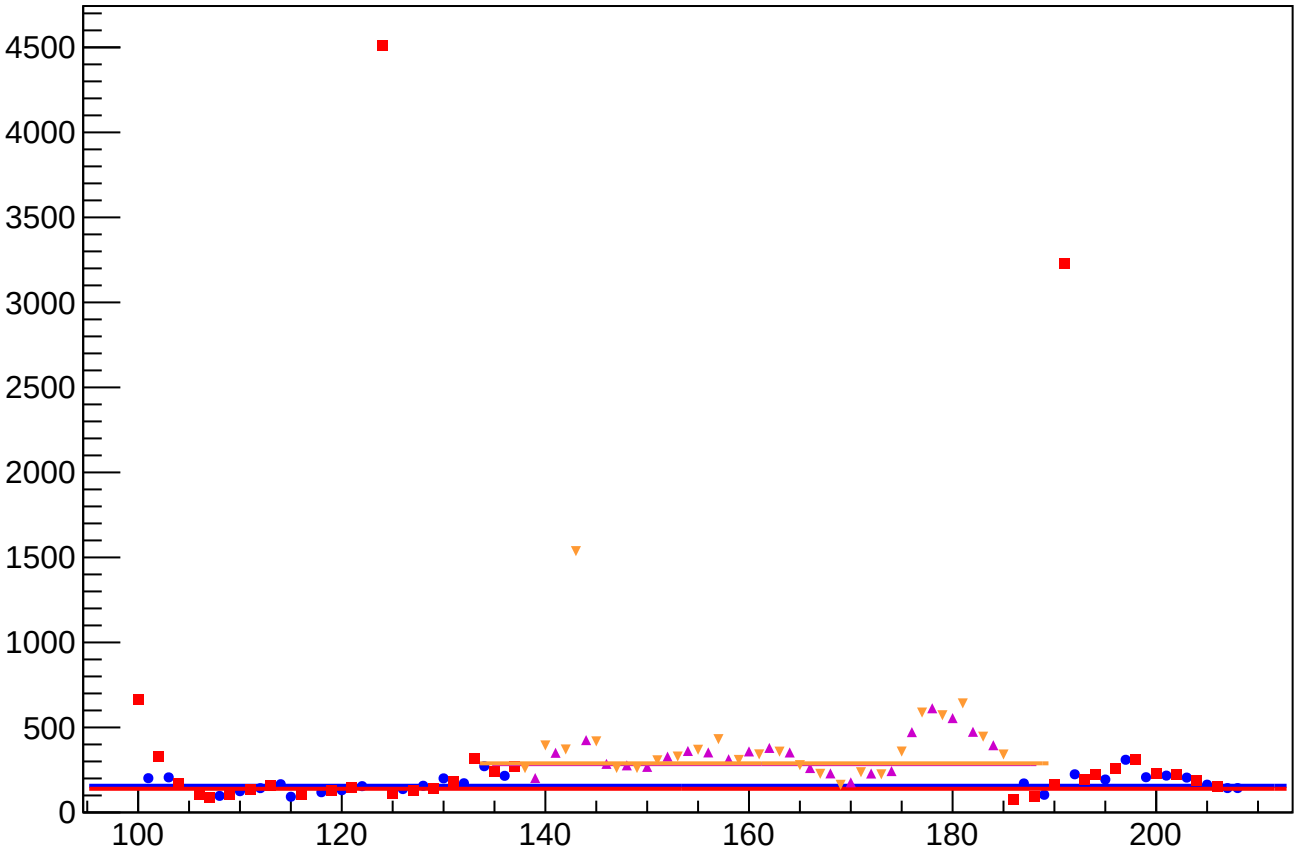
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

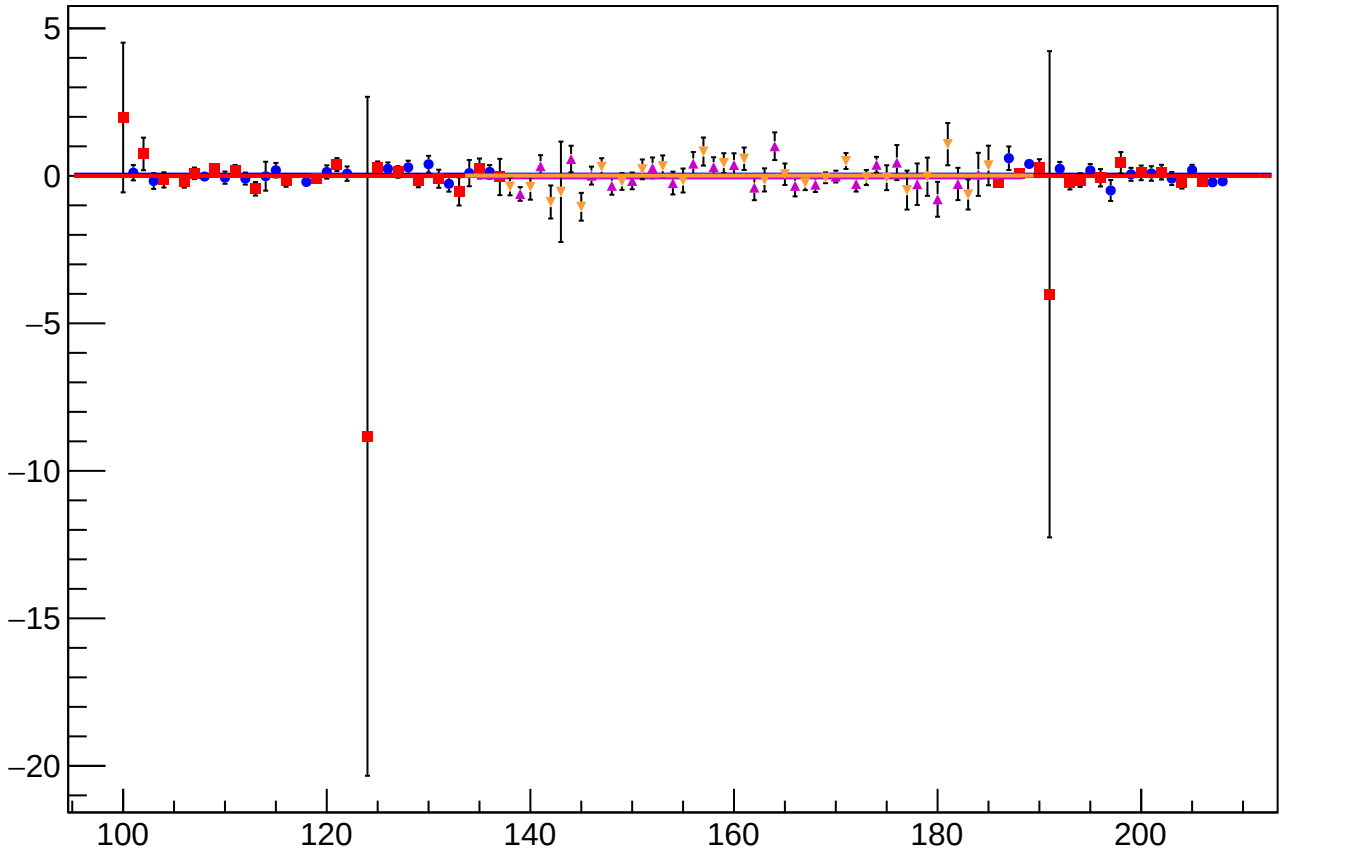
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.006+/-0.025 χ^2/NDF: 116.8/105

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53


asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 157.039+/-0.030 χ²/NDF: 2252194.5/26
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 139.244+/-0.027 χ²/NDF: 4674613.0/30
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 191.142+/-0.026 χ²/NDF: 12013966.7/51
All: 181.483+/-0.017 χ²/NDF: 26539255.0/10
- sign 172.947+/-0.024 χ²/NDF: 14255780.1/53



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

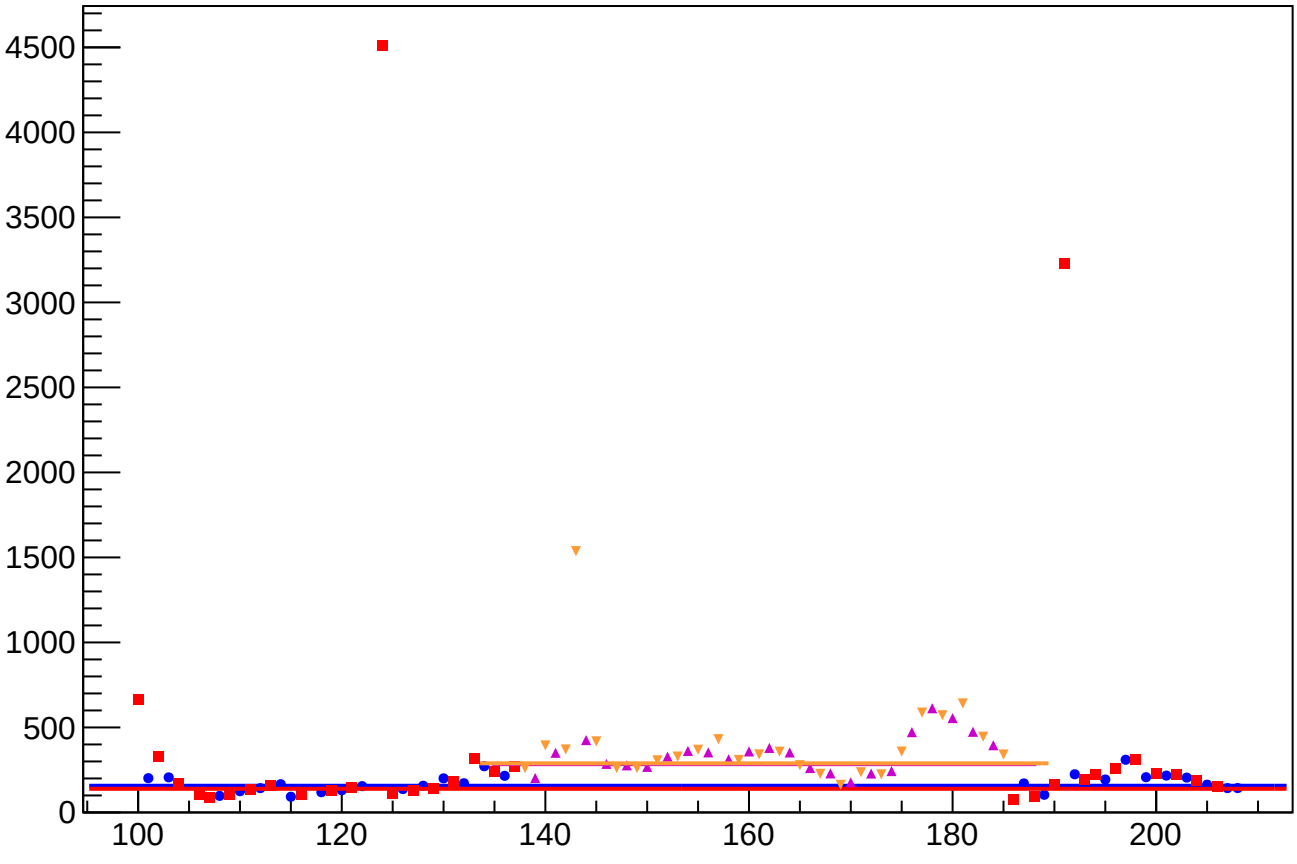
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.006+/-0.025 χ^2/NDF: 116.8/105

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53


asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
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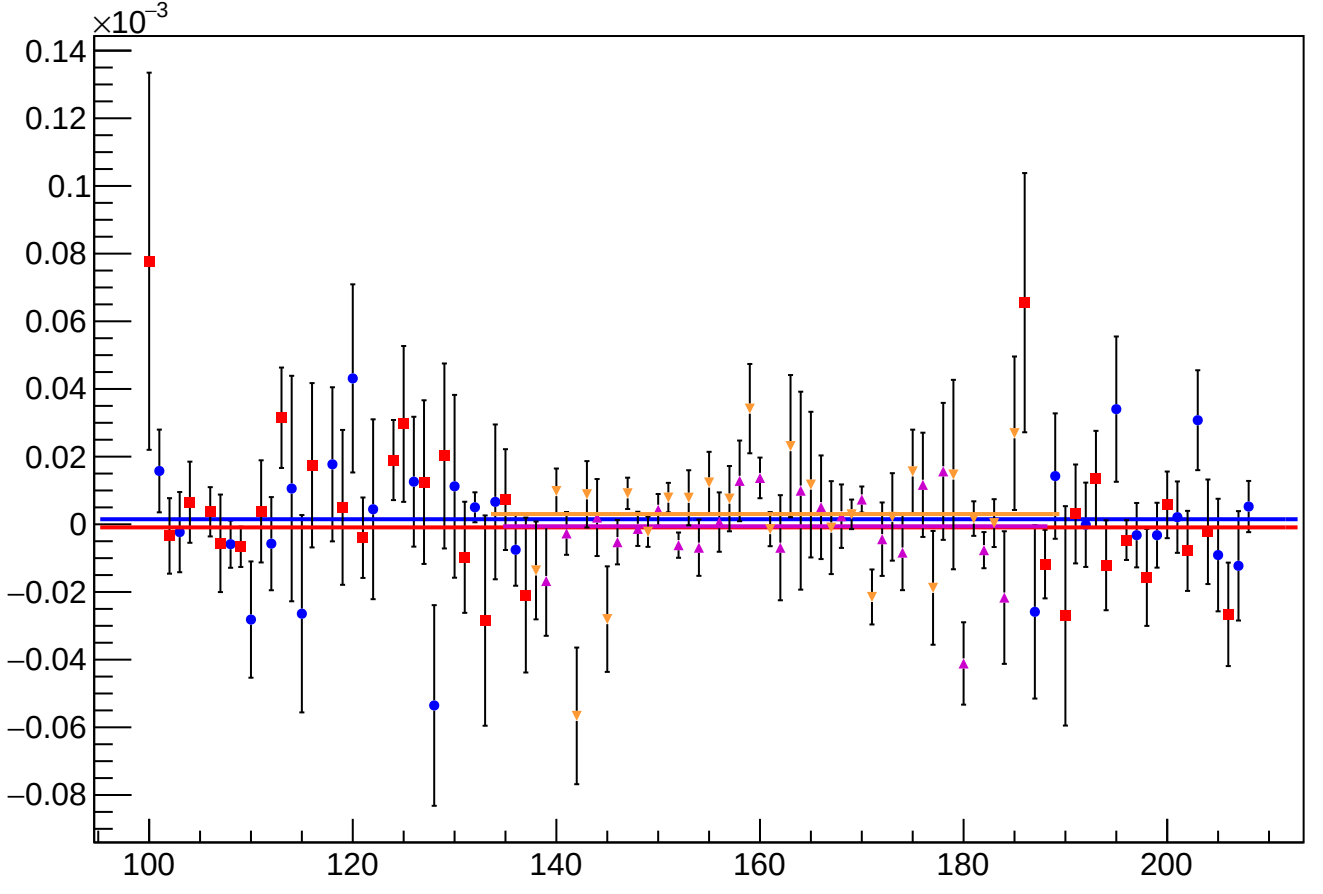
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 157.039+/-0.030 χ²/NDF: 2252194.5/26
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 139.244+/-0.027 χ²/NDF: 4674613.0/30
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 191.142+/-0.026 χ²/NDF: 12013966.7/51
All: 181.483+/-0.017 χ²/NDF: 26539255.0/10
- sign 172.947+/-0.024 χ²/NDF: 14255780.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

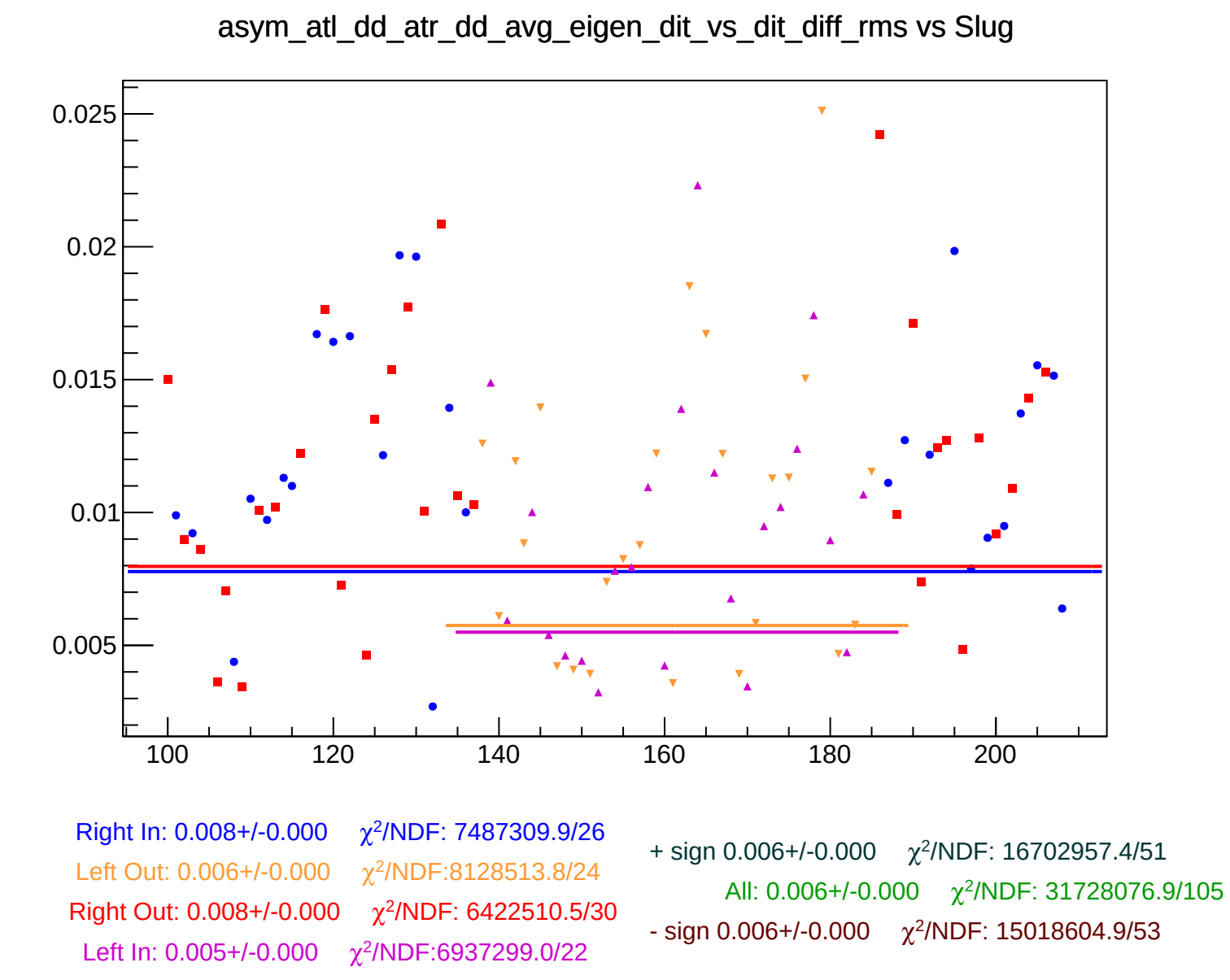
Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/30

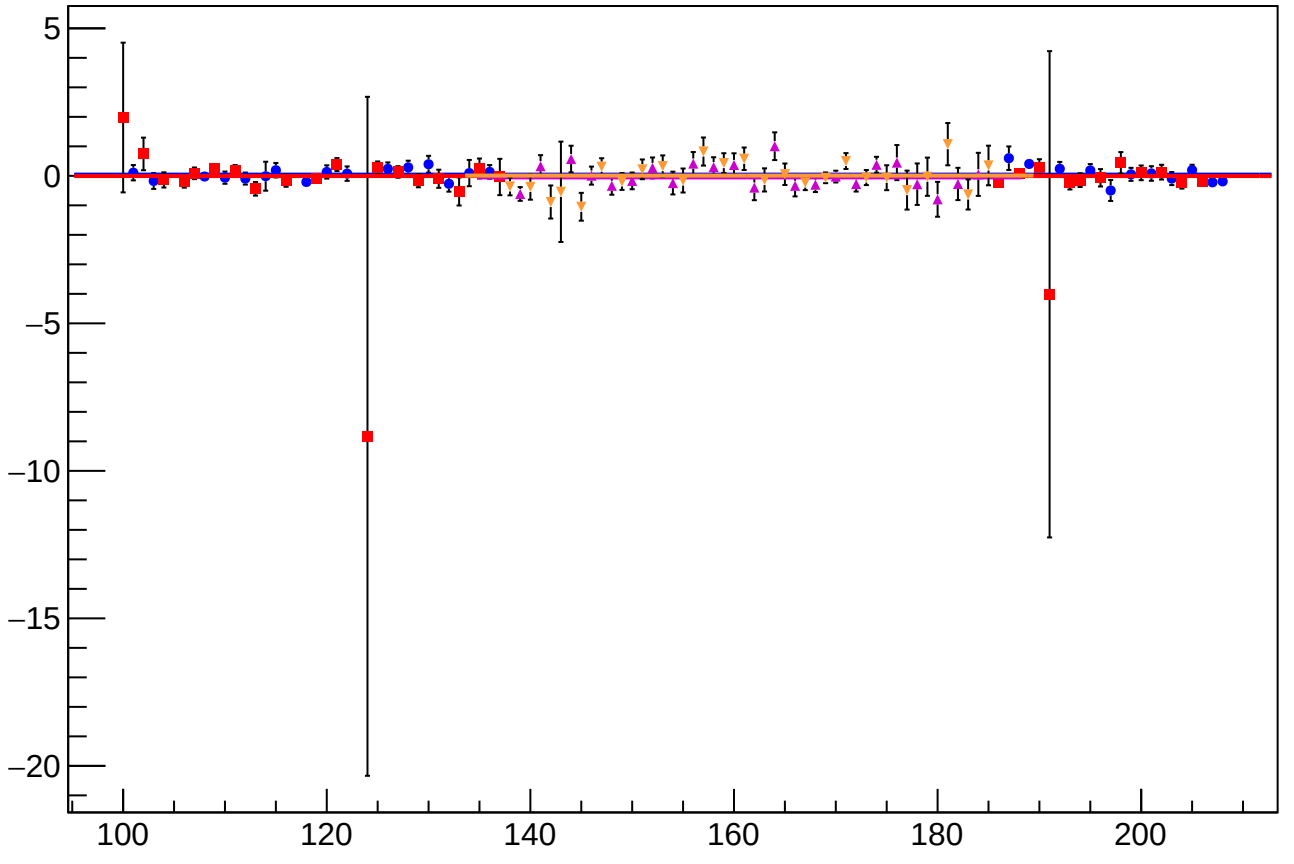
Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.2/51

All: 0.000+/-0.000 χ^2/NDF: 132.4/105

- sign -0.000+/-0.000 χ^2/NDF: 62.0/53


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.008+/-0.000 χ²/NDF: 7487309.9/26
Left Out: 0.006+/-0.000 χ²/NDF:8128513.8/24
Right Out: 0.008+/-0.000 χ²/NDF: 6422510.5/30
Left In: 0.005+/-0.000 χ²/NDF:6937299.0/22
+ sign 0.006+/-0.000 χ²/NDF: 16702957.4/51
All: 0.006+/-0.000 χ²/NDF: 31728076.9/105
- sign 0.006+/-0.000 χ²/NDF: 15018604.9/53



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

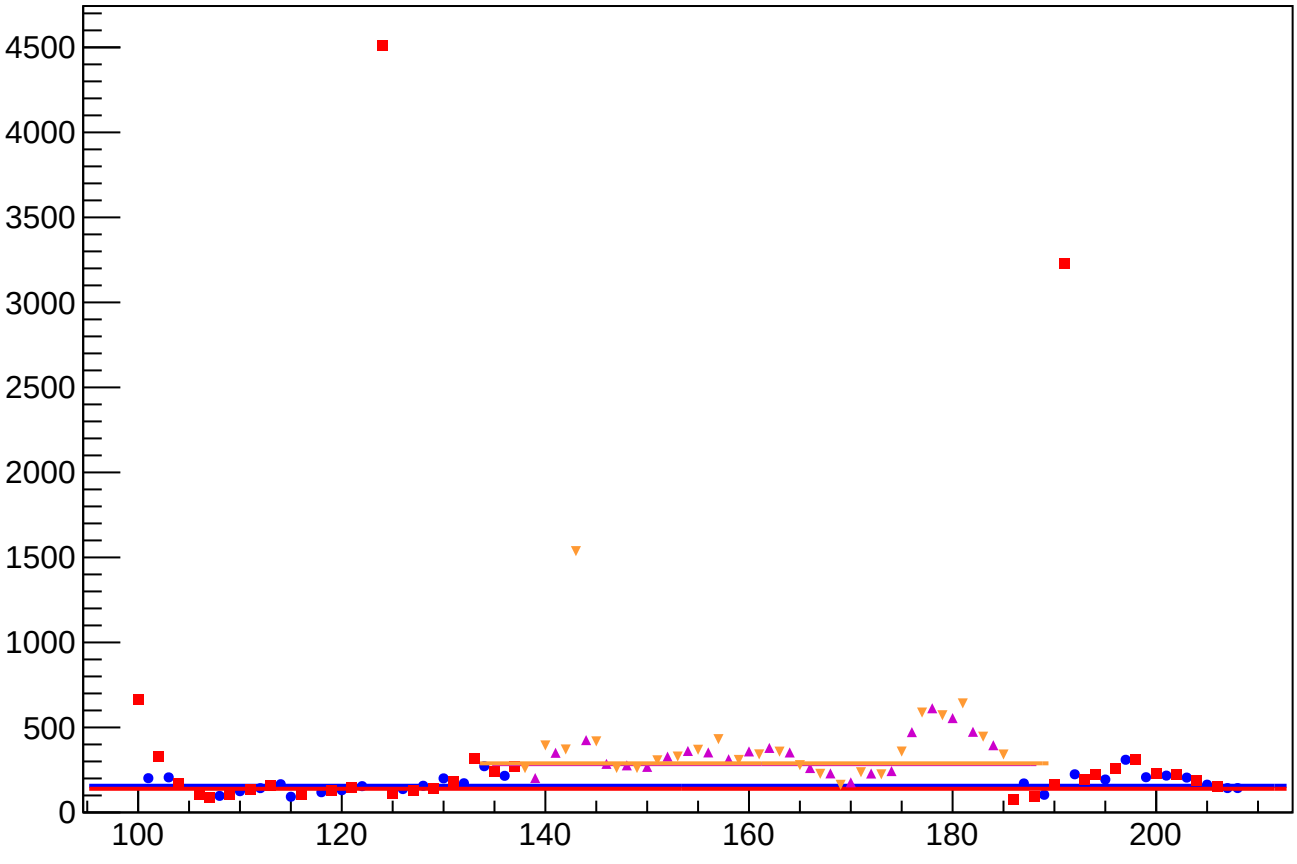
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.006+/-0.025 χ^2/NDF: 116.8/105

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

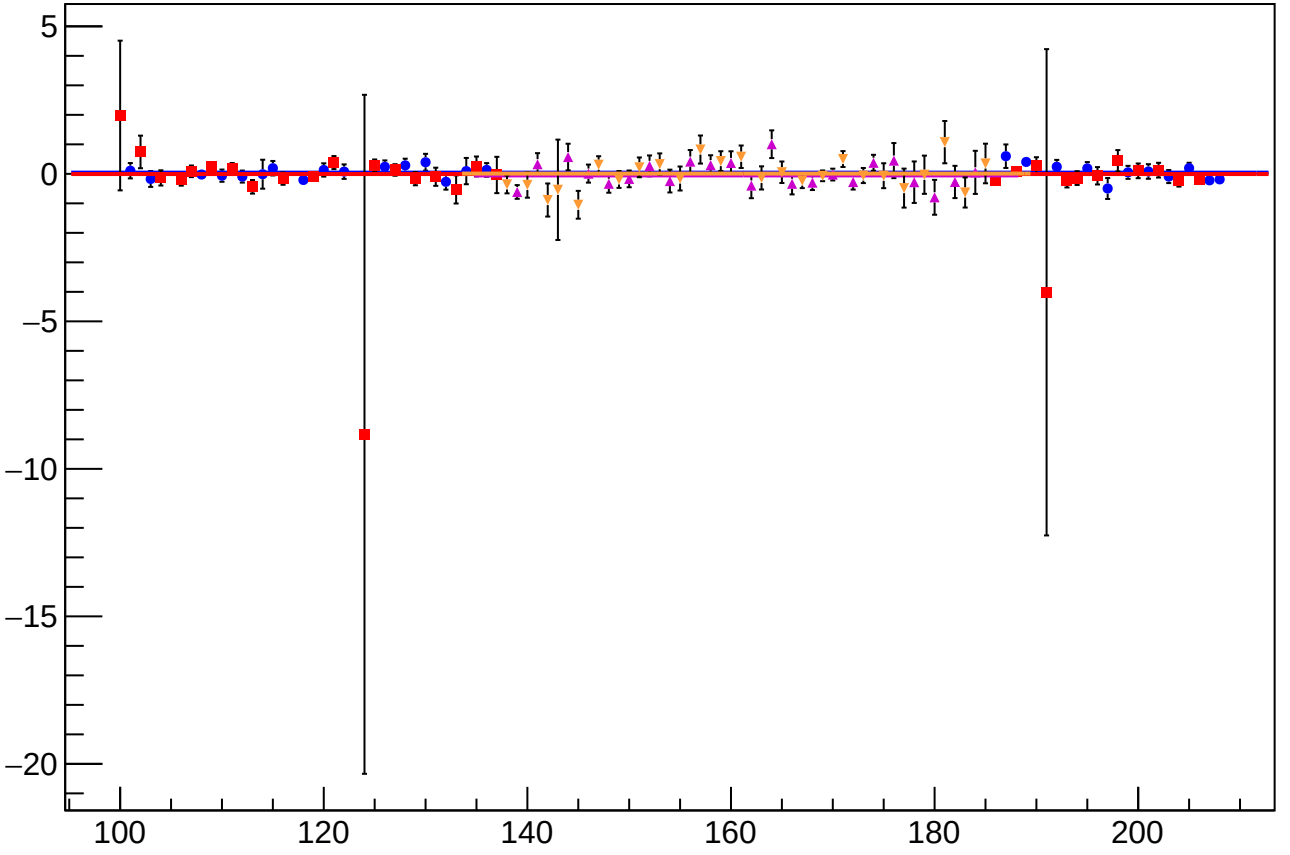
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 191.142+/-0.026 χ^2/NDF: 12014123.2/51

All: 181.485+/-0.017 χ^2/NDF: 26539147.9/10

- sign 172.949+/-0.024 χ^2/NDF: 14255580.6/53

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

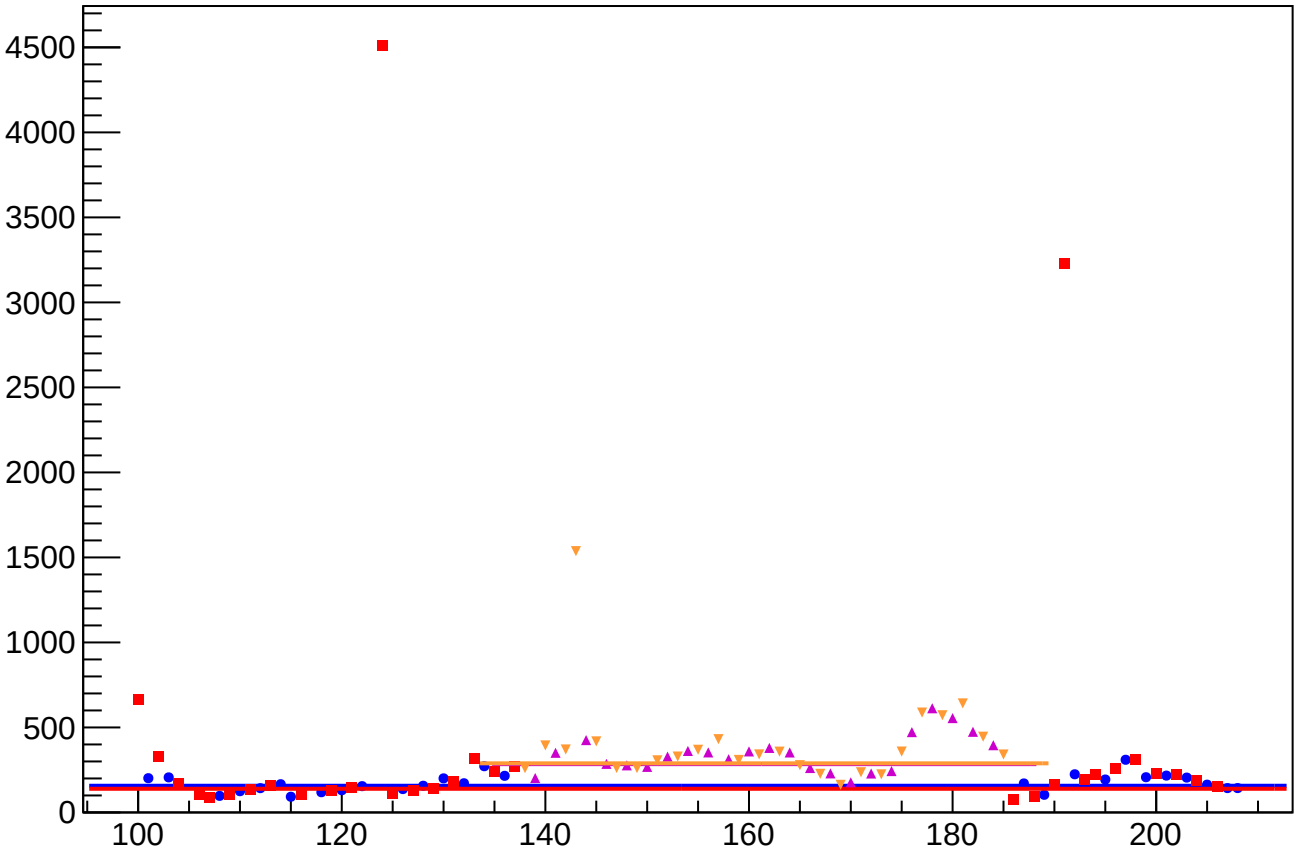
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.006+/-0.025 χ^2/NDF: 116.8/105

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
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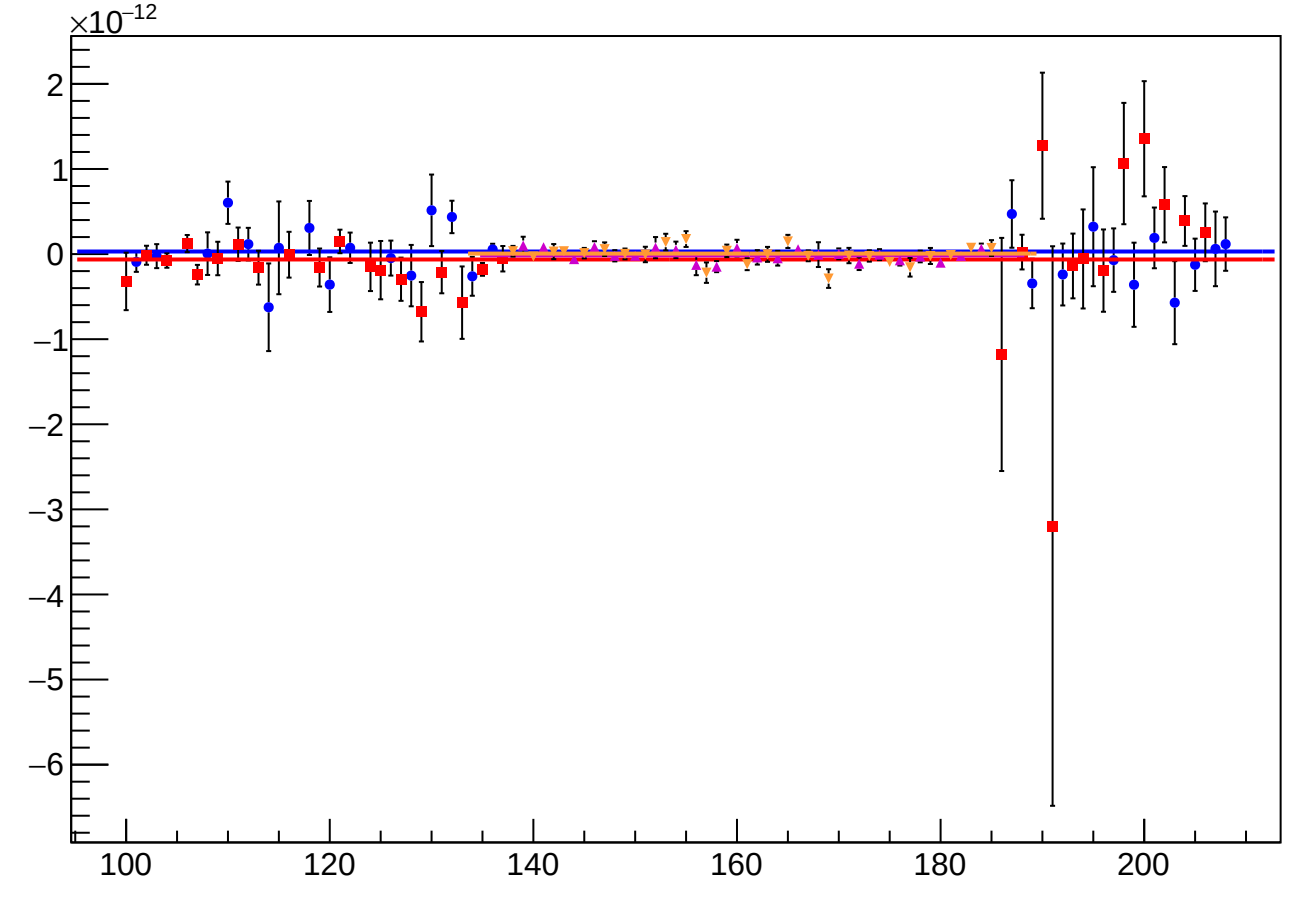
180
200
Right In: 157.039+/-0.030 χ²/NDF: 2252184.2/26
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 139.246+/-0.027 χ²/NDF: 4674452.9/30
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 191.142+/-0.026 χ²/NDF: 12014123.2/51
All: 181.485+/-0.017 χ²/NDF: 26539147.9/10
- sign 172.949+/-0.024 χ²/NDF: 14255580.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

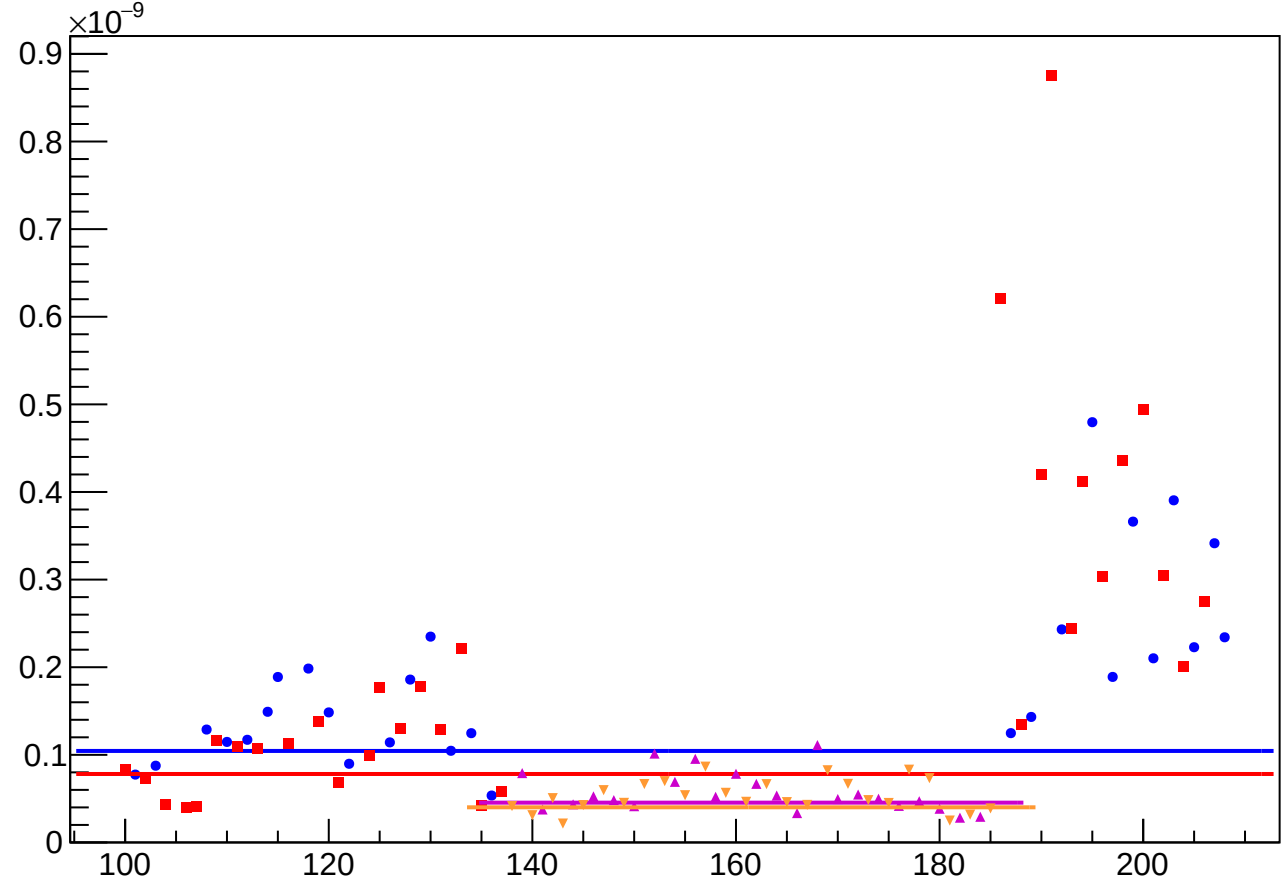
Right Out: -0.000+/-0.000 χ^2/NDF: 35.2/30

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.0/51

All: -0.000+/-0.000 χ^2/NDF: 123.2/105

- sign -0.000+/-0.000 χ^2/NDF: 60.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 5582087.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7622623.9/30

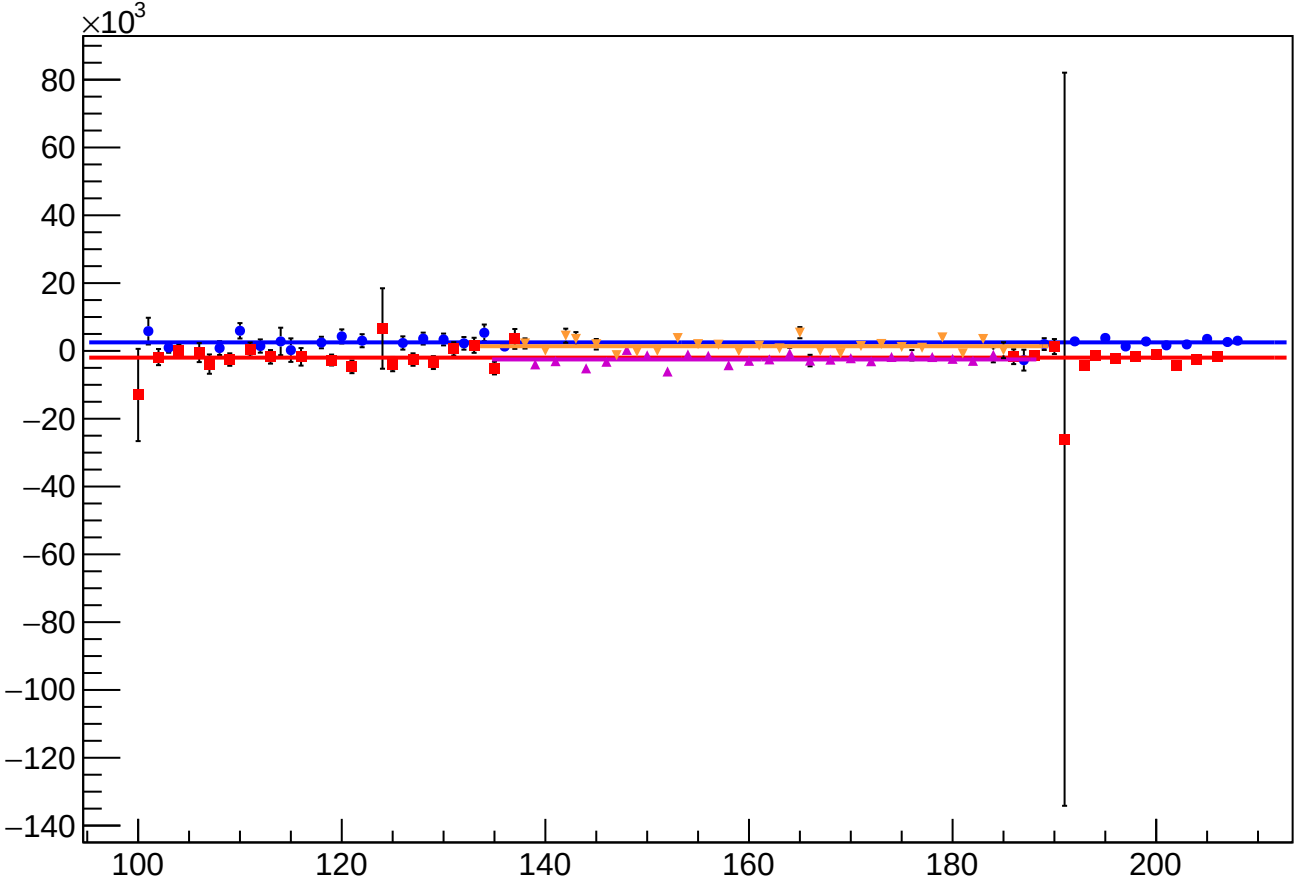
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13918679.3/51

All: 0.000+/-0.000 χ^2/NDF: 26150673.6/105

- sign 0.000+/-0.000 χ^2/NDF: 12090467.6/53

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2520.248+/-328.260 χ^2/NDF: 14.9/26

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1979.540+/-328.736 χ^2/NDF: 28.1/30

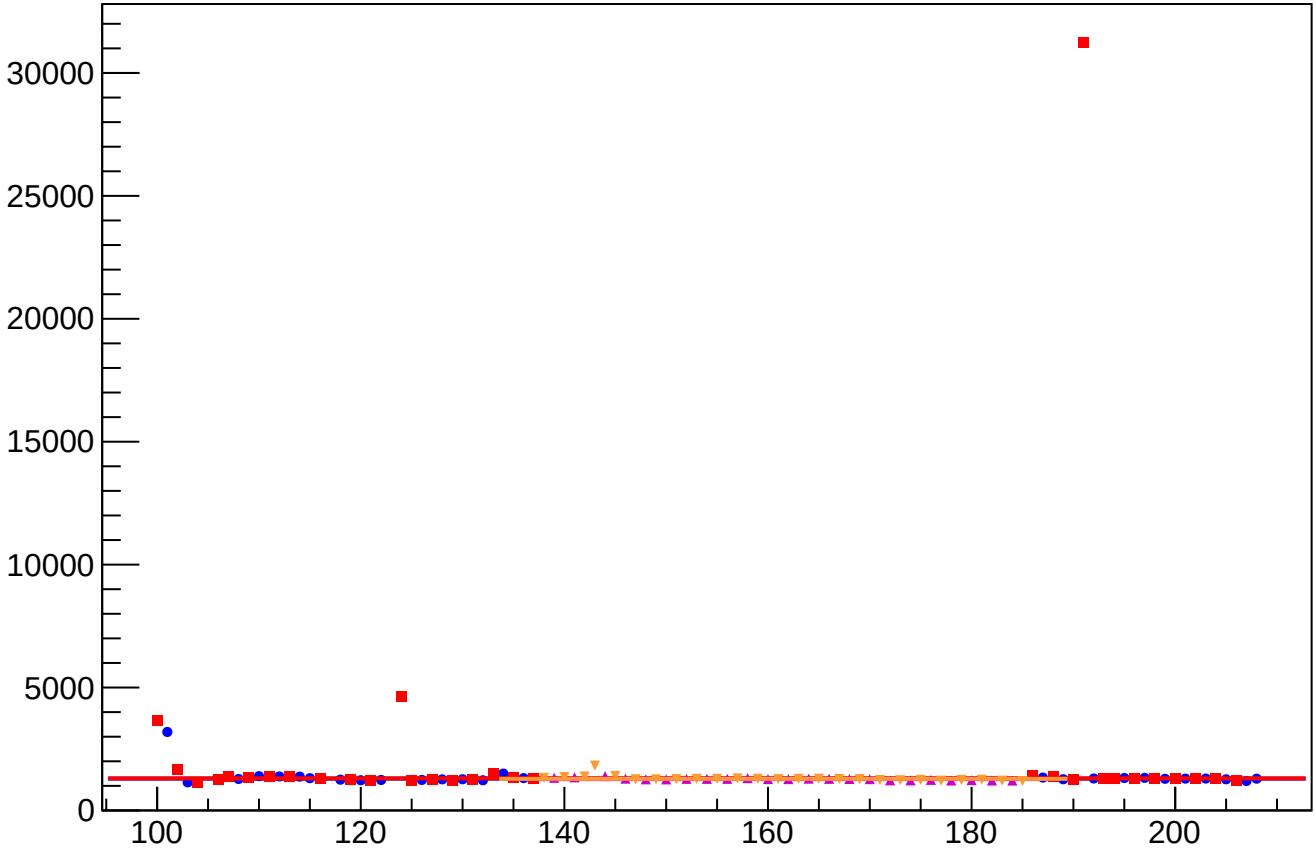
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1886.999+/-218.496 χ^2/NDF: 54.5/51

All: -172.323+/-155.317 χ^2/NDF: 286.2/105

- sign -2275.777+/-220.825 χ^2/NDF: 52.1/53

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1294.607+/-0.232 χ^2/NDF: 532239.9/26

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

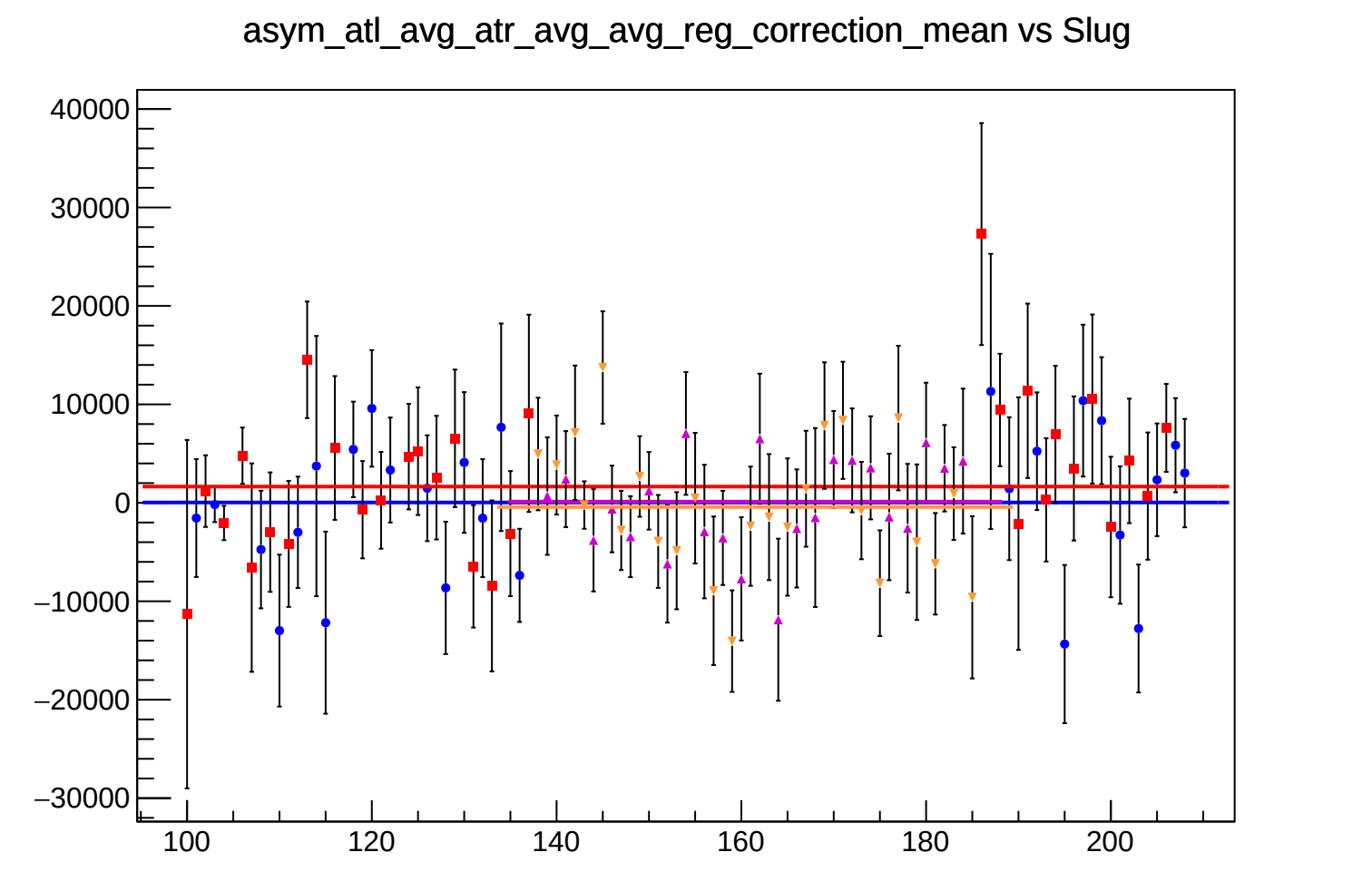
Right Out: 1306.088+/-0.232 χ^2/NDF: 505157.5/30

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1289.618+/-0.155 χ^2/NDF: 724096.7/51

All: 1289.590+/-0.110 χ^2/NDF: 1279895.5/10

- sign 1289.562+/-0.156 χ^2/NDF: 555798.8/53



Right In: 34.314+/-1019.173 χ^2/NDF: 29.2/26

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

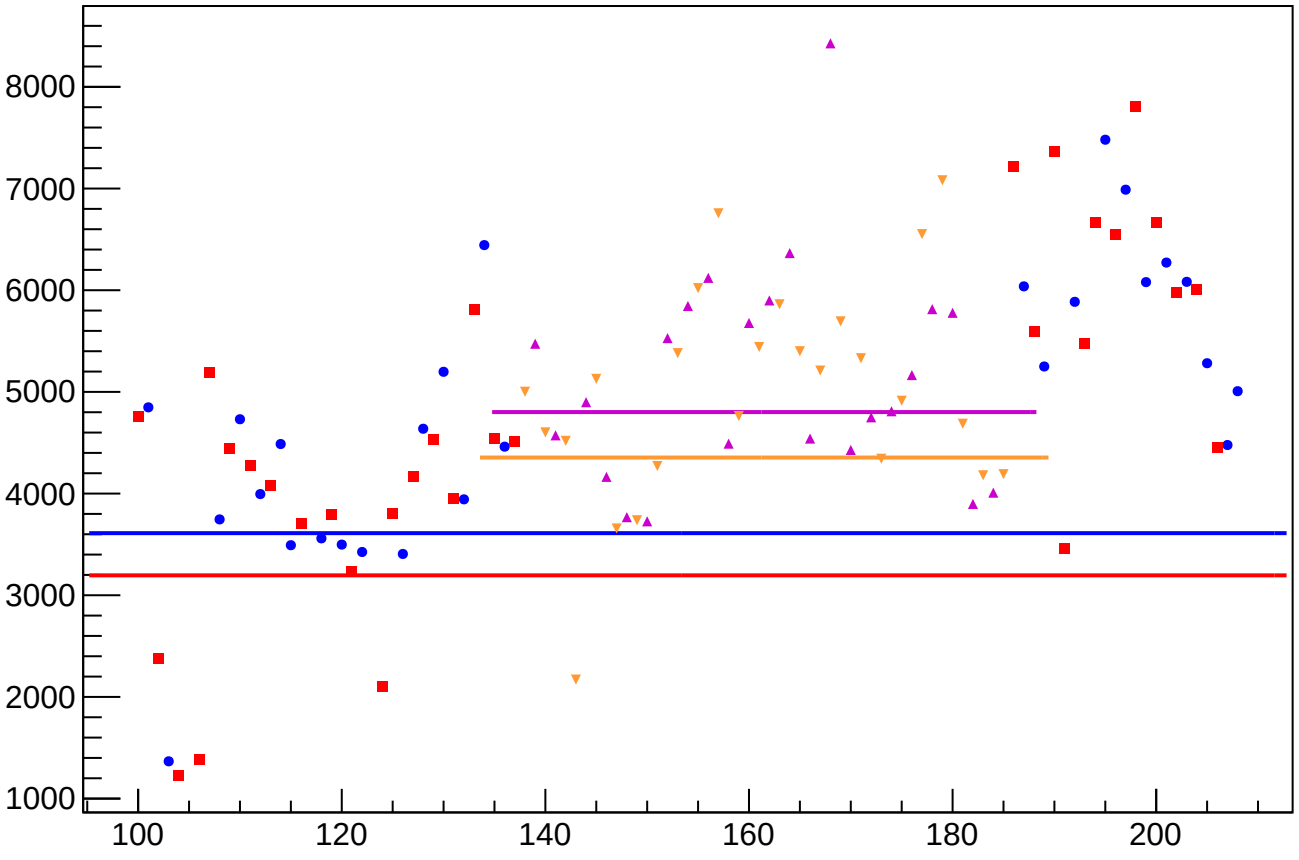
Right Out: 1648.800+/-931.650 χ^2/NDF: 31.3/30

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -192.864+/-727.242 χ^2/NDF: 59.1/51

All: 427.216+/-512.580 χ^2/NDF: 106.5/105

- sign 1039.365+/-722.577 χ^2/NDF: 46.0/53



Right In: 3610.718+/-0.721 χ^2/NDF: 6247457.6/26

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

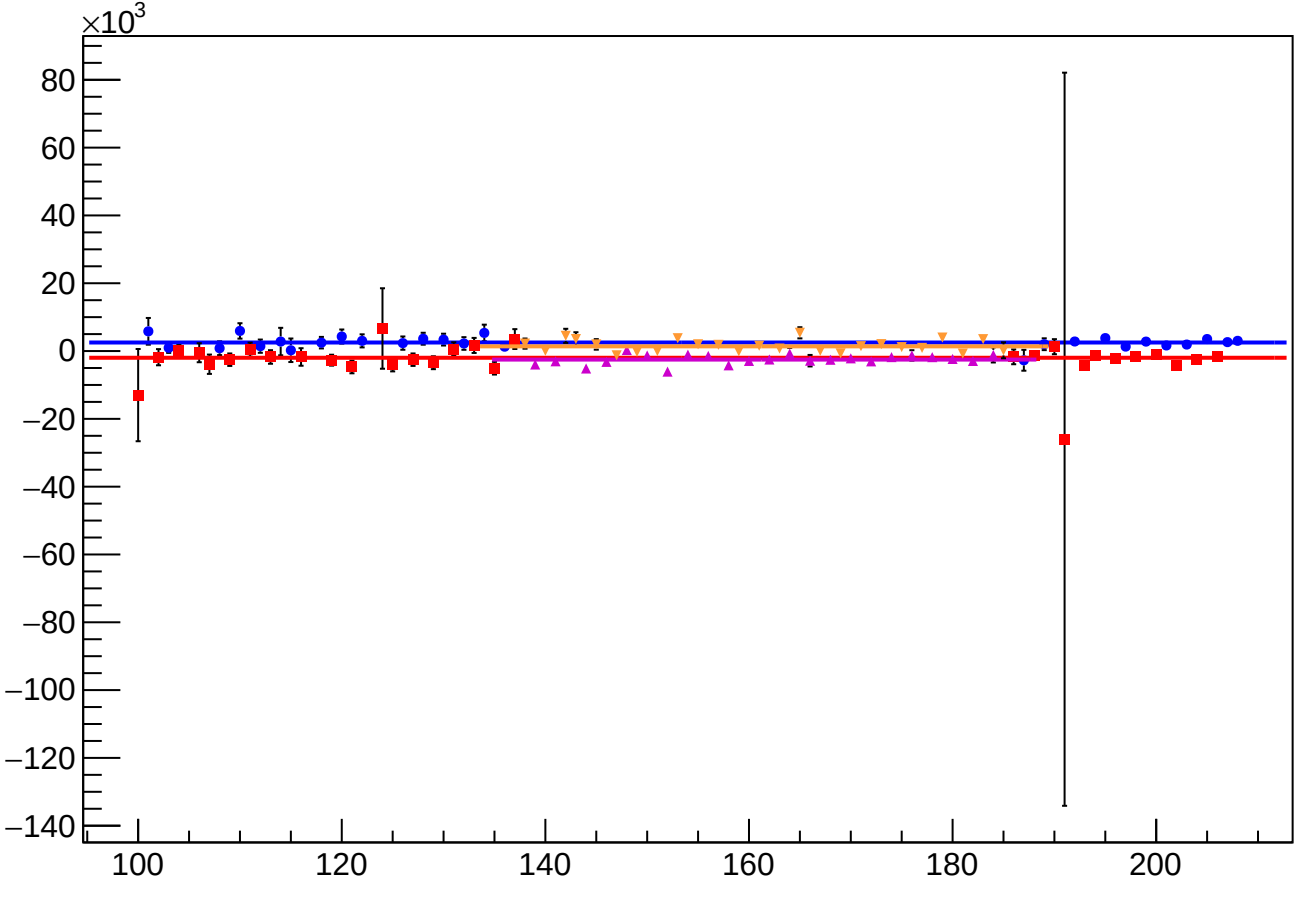
Right Out: 3195.705+/-0.659 χ^2/NDF: 8288001.1/30

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

\+ sign 3975.802+/-0.514 χ^2/NDF: 9841757.4/51

All: 3905.241+/-0.362 χ^2/NDF: 21766787.9/1

\- sign 3835.583+/-0.511 χ^2/NDF: 11887616.2/53



Right In: 2520.173+/-328.260 χ^2/NDF: 14.9/26

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1979.426+/-328.736 χ^2/NDF: 28.1/30

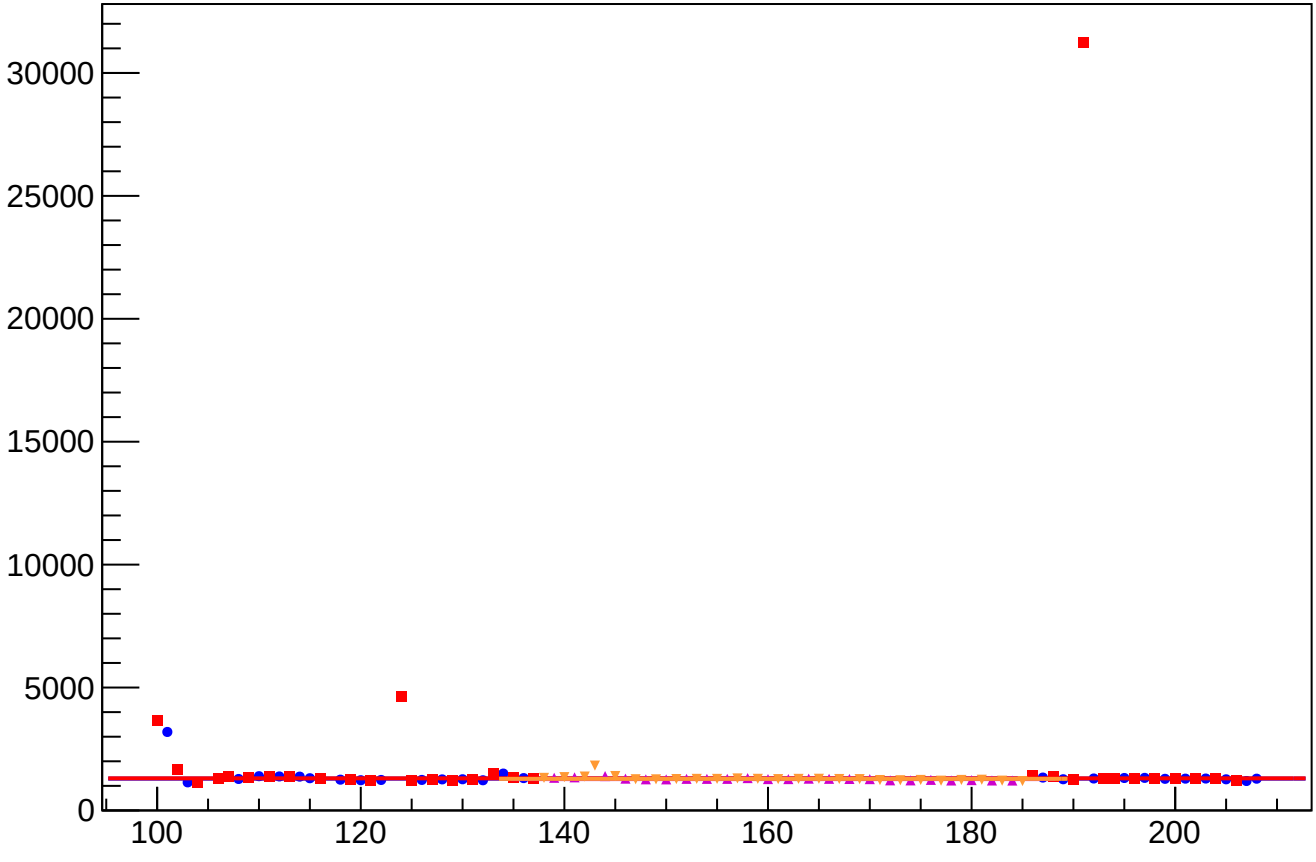
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1886.930+/-218.496 χ^2/NDF: 54.5/51

All: -172.333+/-155.317 χ^2/NDF: 286.2/105

- sign -2275.726+/-220.825 χ^2/NDF: 52.1/53

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1294.607+/-0.232 χ^2/NDF: 532241.4/26

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

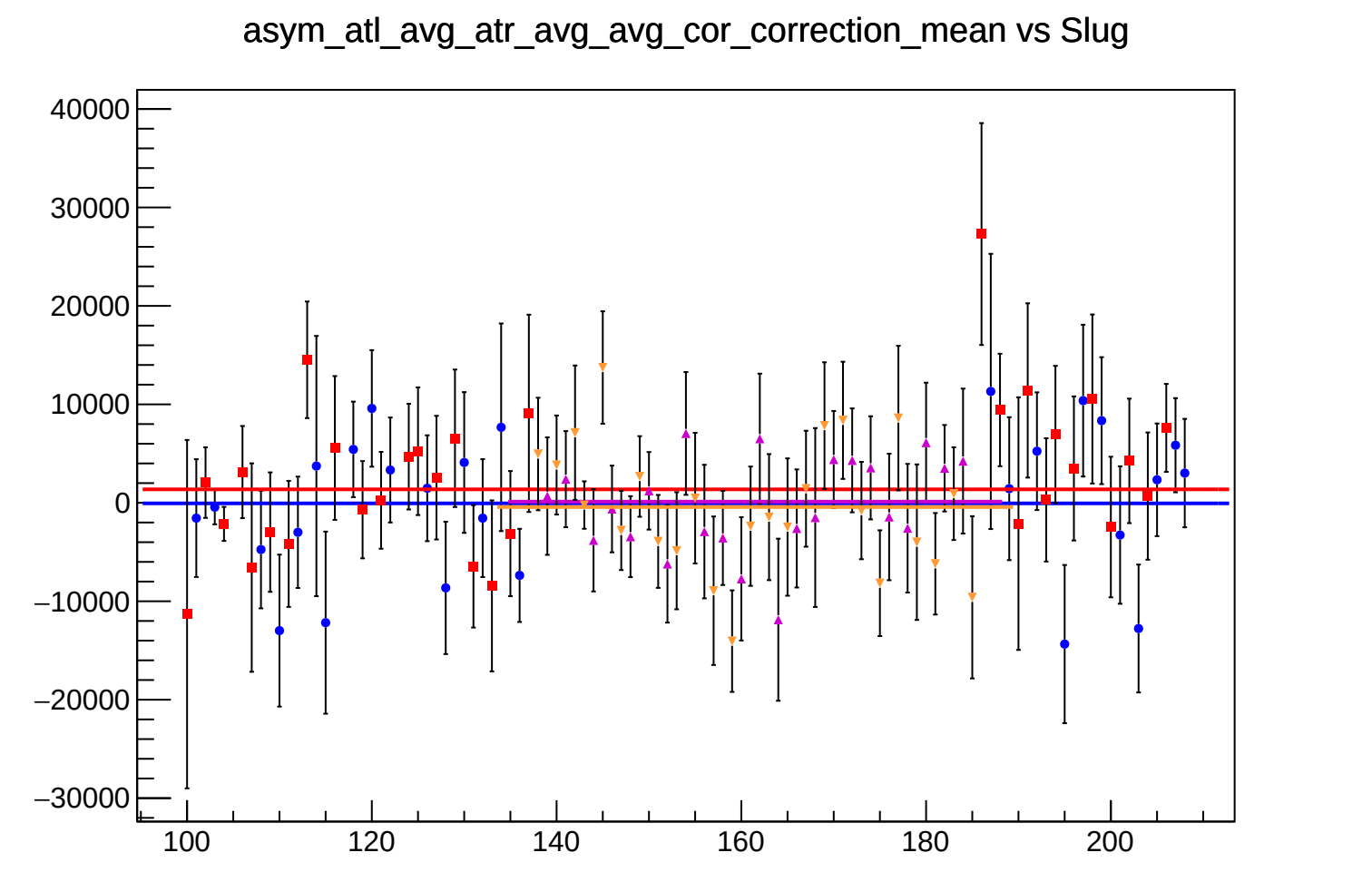
Right Out: 1306.580+/-0.232 χ^2/NDF: 504852.5/30

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1289.618+/-0.155 χ^2/NDF: 724098.1/51

All: 1289.698+/-0.110 χ^2/NDF: 1279893.4/10

- sign 1289.779+/-0.156 χ^2/NDF: 555794.7/53



Right In: -56.739+/-1012.645 χ^2/NDF: 29.2/26

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

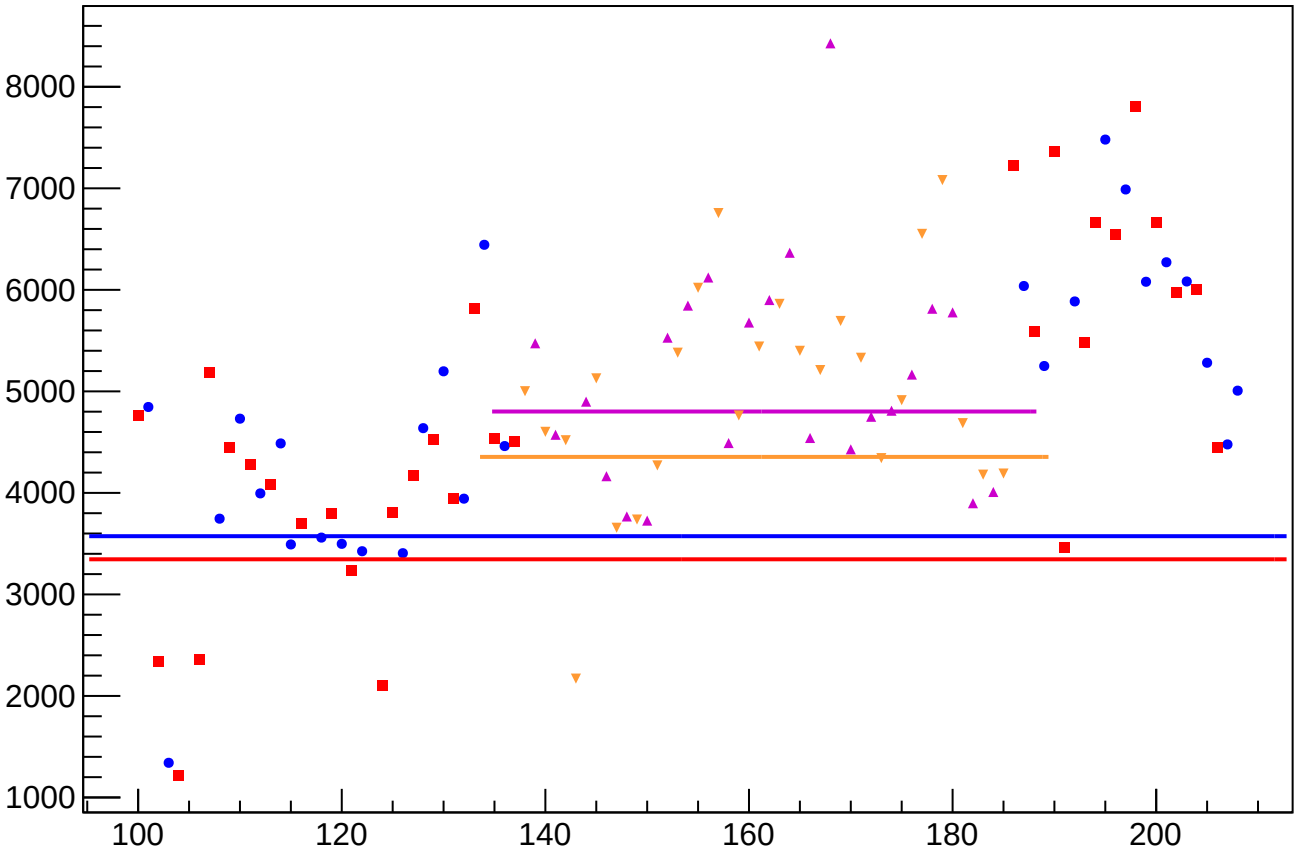
Right Out: 1367.074+/-960.666 χ^2/NDF: 30.4/30

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

\+ sign -238.029+/-724.858 χ^2/NDF: 59.1/51

All: 298.492+/-516.399 χ^2/NDF: 104.9/105

\- sign 851.430+/-735.864 χ^2/NDF: 44.7/53



Right In: 3573.543+/-0.716 χ^2/NDF: 6444958.5/26

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

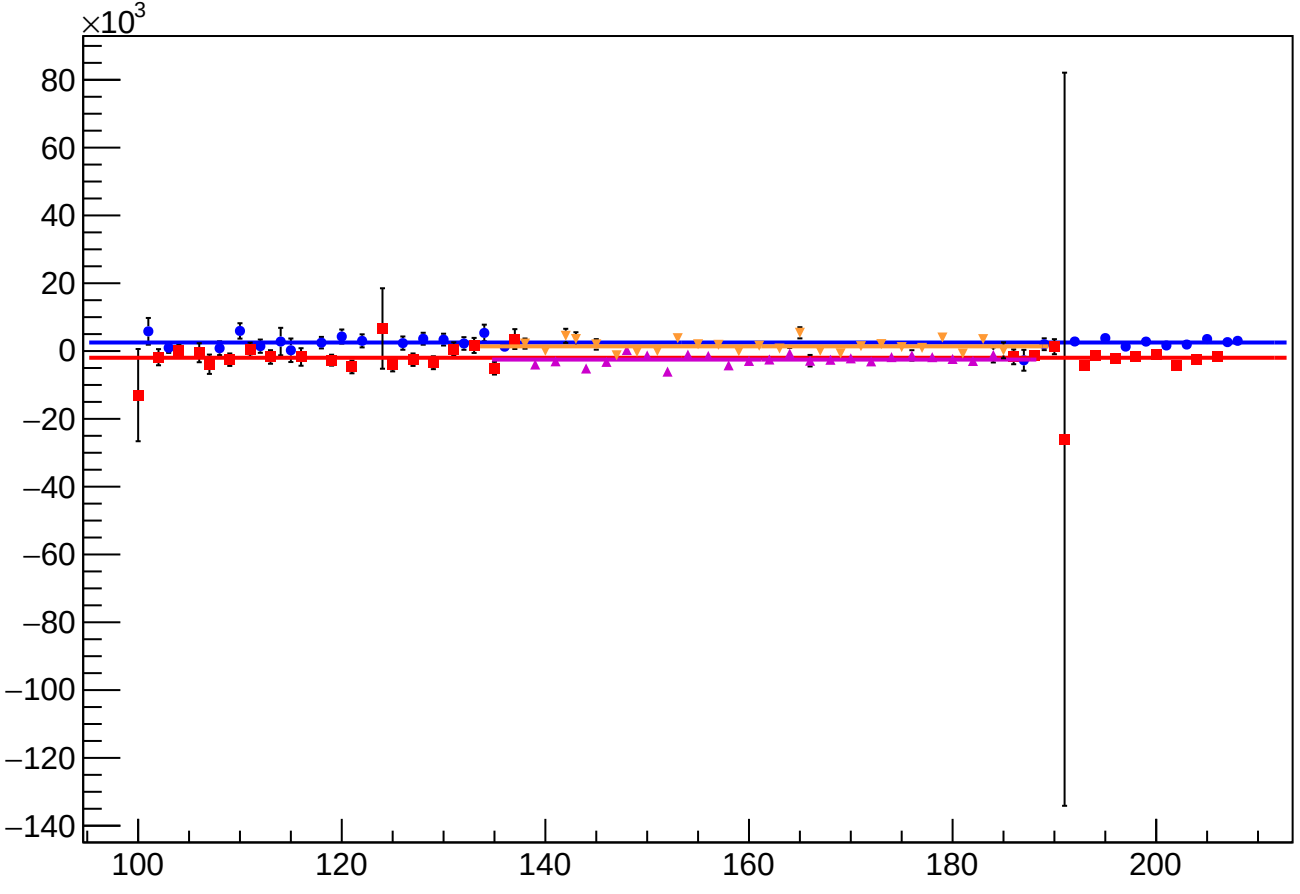
Right Out: 3345.946+/-0.679 χ^2/NDF: 7591603.4/30

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

\+ sign 3954.359+/-0.513 χ^2/NDF: 10096534.2/51

All: 3950.975+/-0.365 χ^2/NDF: 20817701.2/1

\- sign 3947.487+/-0.520 χ^2/NDF: 10721078.5/53



Right In: 2520.173+/-328.260 χ^2/NDF: 14.9/26

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1979.426+/-328.736 χ^2/NDF: 28.1/30

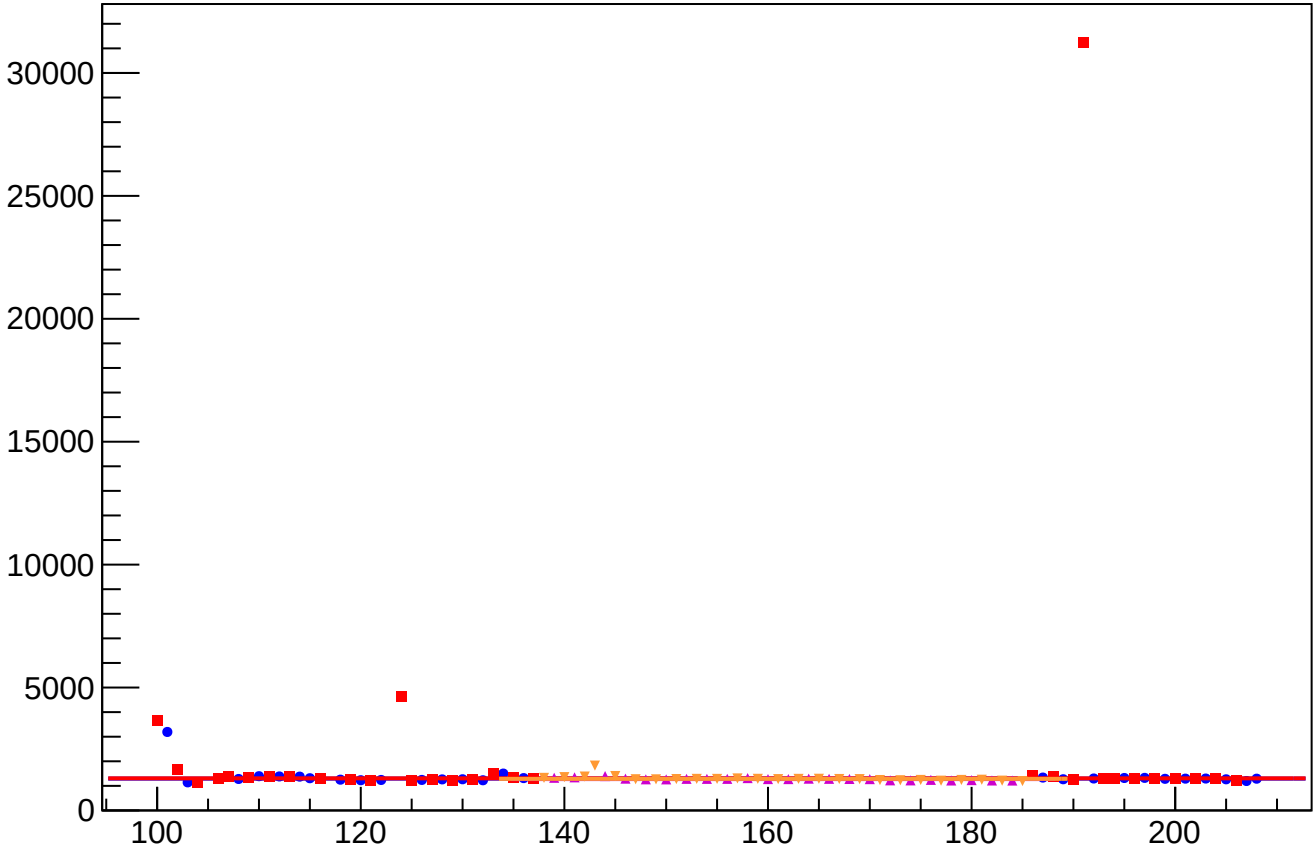
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1886.930+/-218.496 χ^2/NDF: 54.5/51

All: -172.333+/-155.317 χ^2/NDF: 286.2/105

- sign -2275.726+/-220.825 χ^2/NDF: 52.1/53

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1294.607+/-0.232 χ^2/NDF: 532241.4/26

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

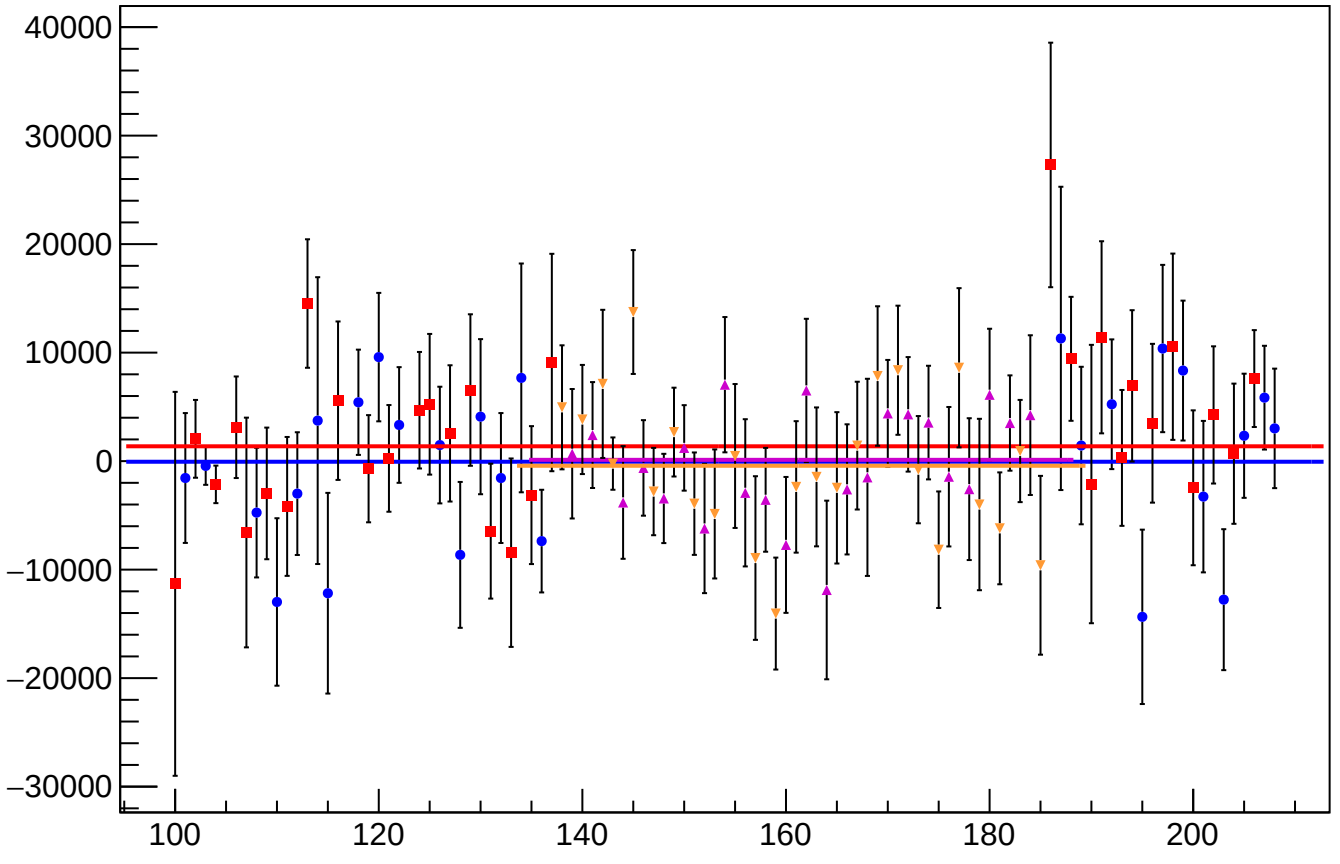
Right Out: 1306.580+/-0.232 χ^2/NDF: 504852.5/30

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1289.618+/-0.155 χ^2/NDF: 724098.1/51

All: 1289.698+/-0.110 χ^2/NDF: 1279893.4/10

- sign 1289.779+/-0.156 χ^2/NDF: 555794.7/53



Right In: -56.739+/-1012.645 χ^2/NDF: 29.2/26

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

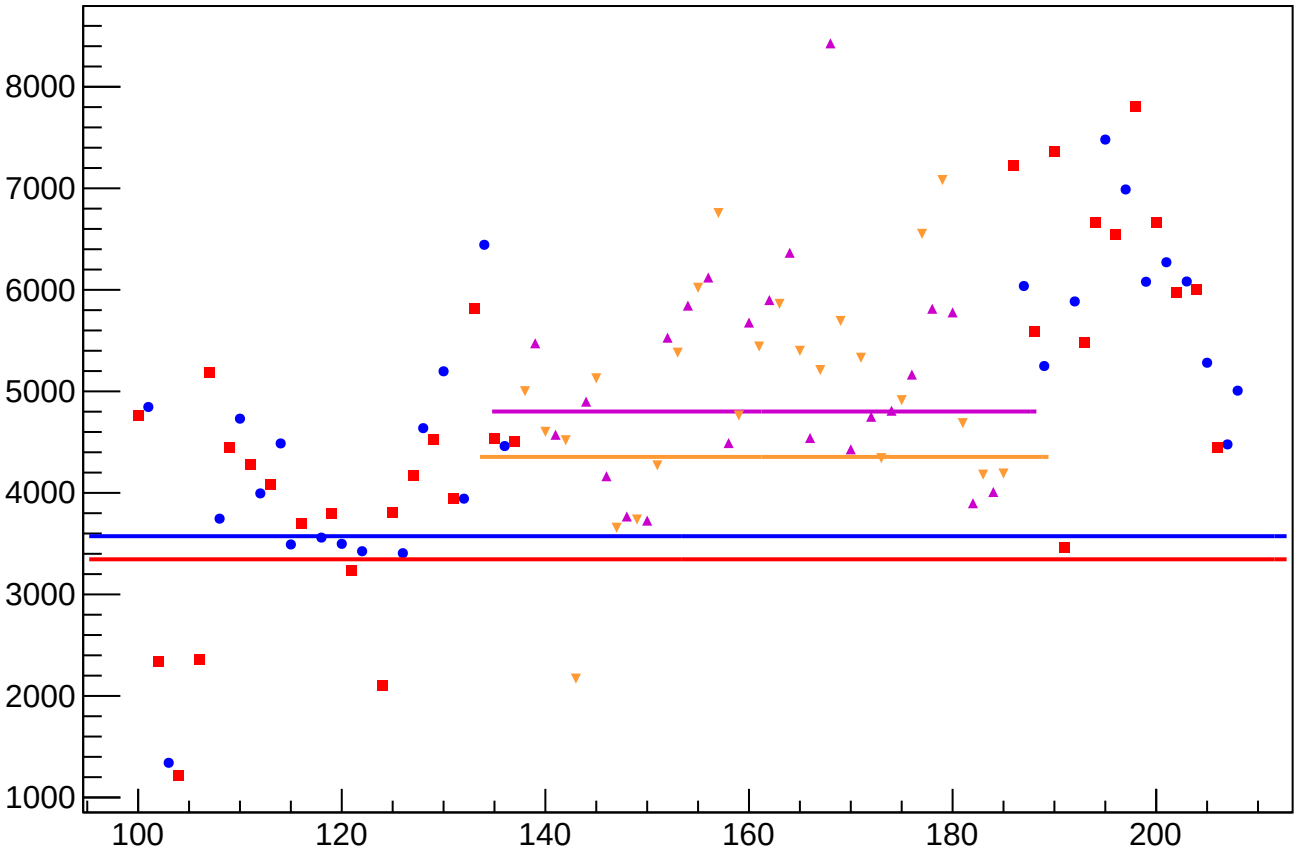
Right Out: 1367.074+/-960.666 χ^2/NDF: 30.4/30

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -238.029+/-724.858 χ^2/NDF: 59.1/51

All: 298.492+/-516.399 χ^2/NDF: 104.9/105

- sign 851.430+/-735.864 χ^2/NDF: 44.7/53



Right In: 3573.543+/-0.716 χ^2/NDF: 6444958.5/26

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3345.946+/-0.679 χ^2/NDF: 7591603.4/30

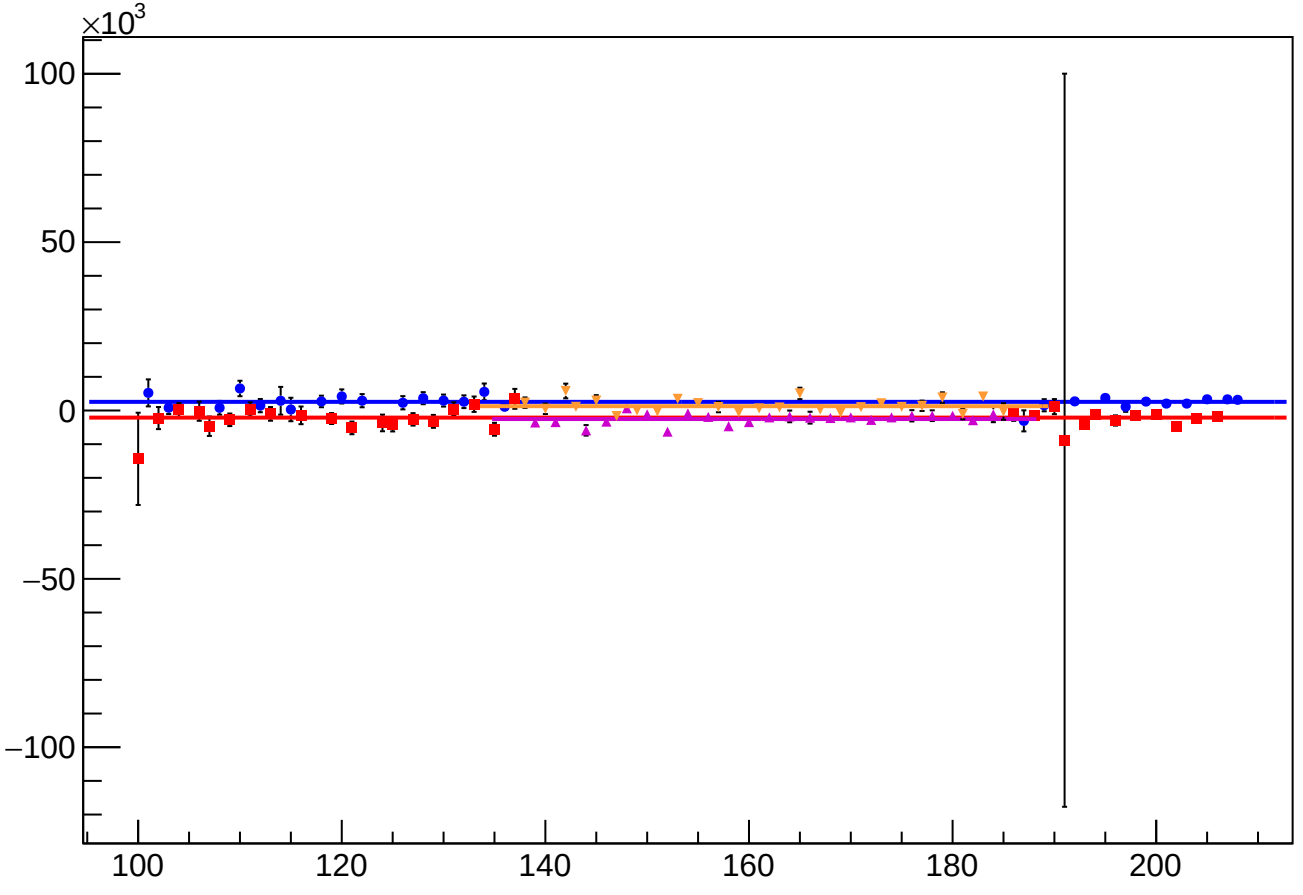
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3954.359+/-0.513 χ^2/NDF: 10096534.2/51

All: 3950.975+/-0.365 χ^2/NDF: 20817701.2/1

- sign 3947.487+/-0.520 χ^2/NDF: 10721078.5/53

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2570.681+/-337.205 χ^2/NDF: 15.5/26

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -2109.419+/-336.048 χ^2/NDF: 29.8/30

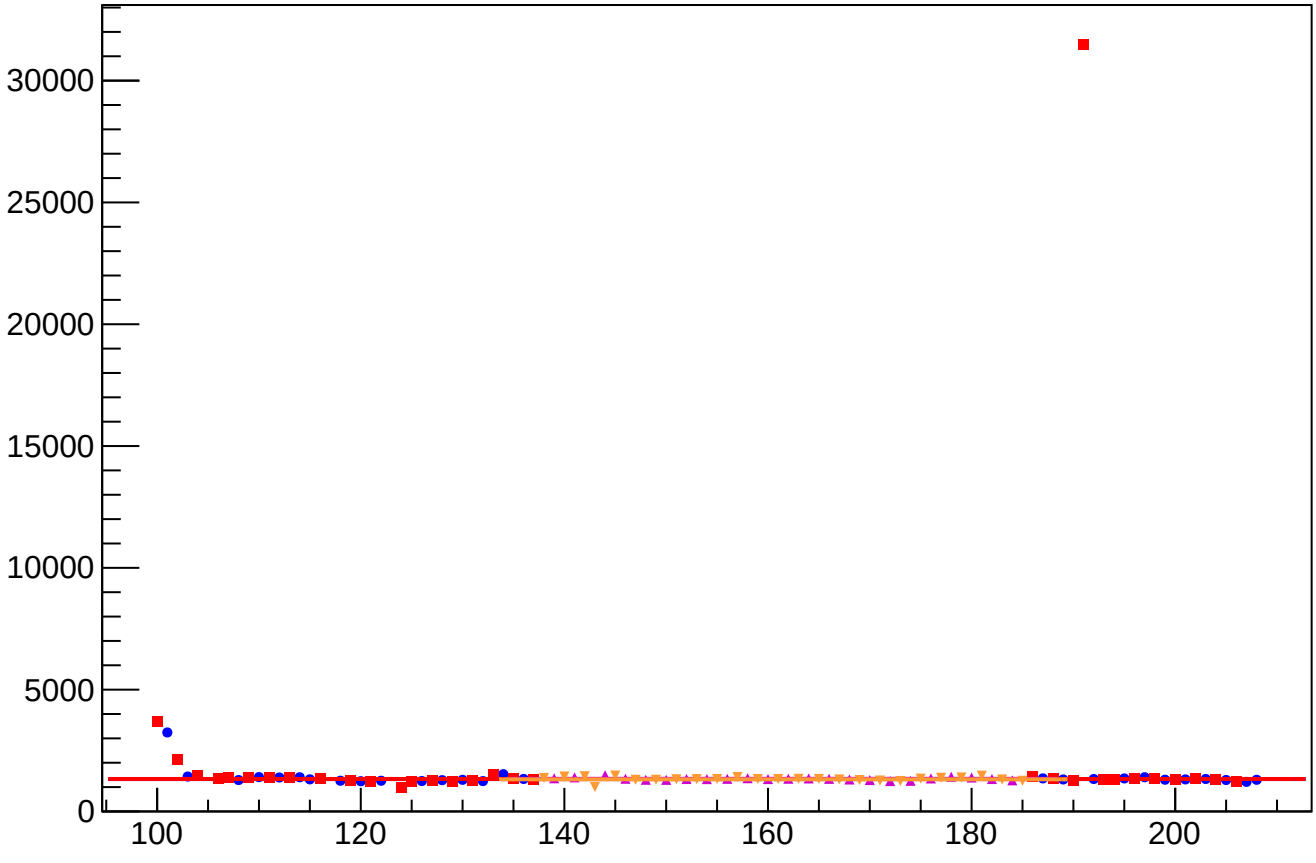
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1853.824+/-224.357 χ^2/NDF: 57.0/51

All: -198.062+/-160.259 χ^2/NDF: 283.4/105

- sign -2335.661+/-228.995 χ^2/NDF: 55.6/53

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1329.653+/-0.238 χ^2/NDF: 522213.1/26

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

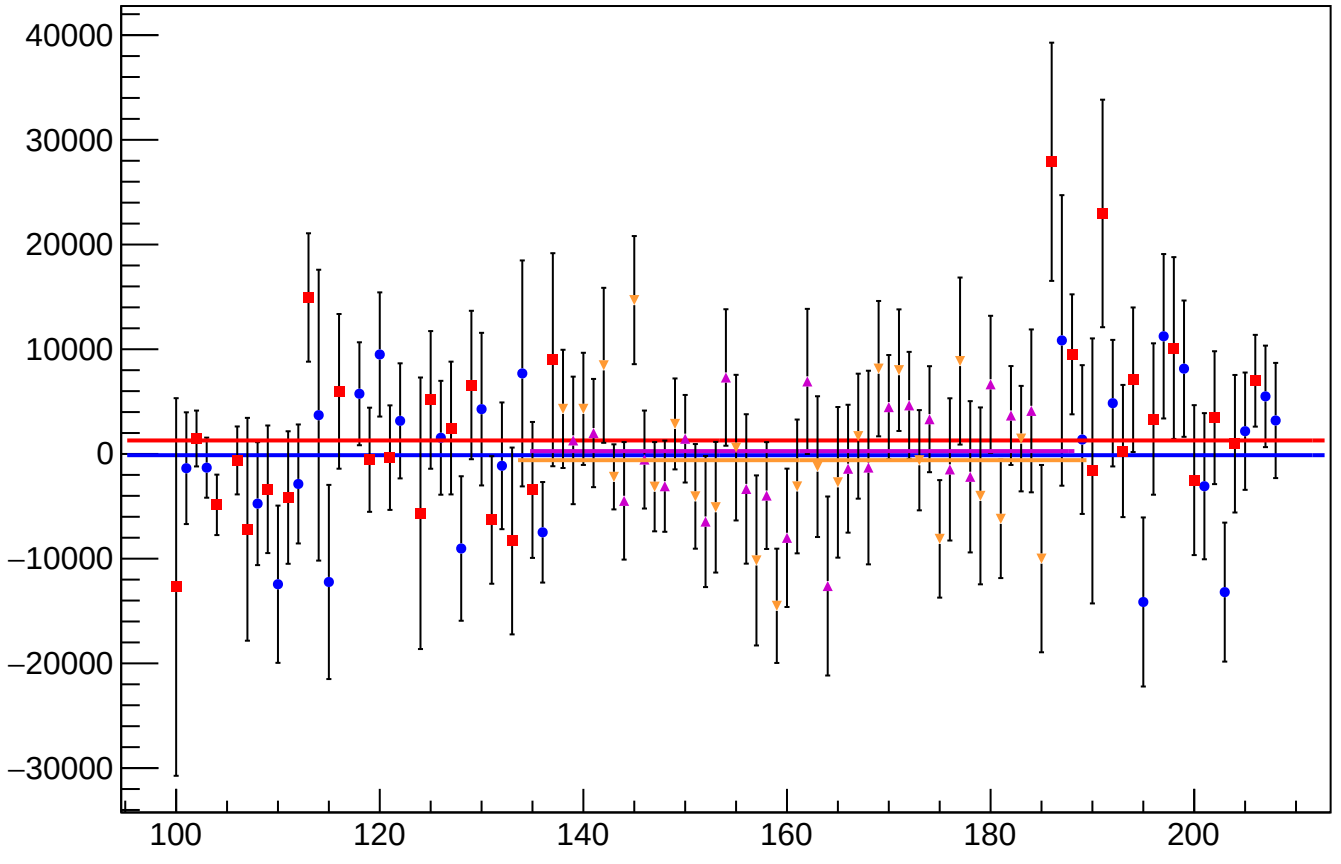
Right Out: 1333.528+/-0.238 χ^2/NDF: 447623.1/30

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1323.256+/-0.159 χ^2/NDF: 772052.4/51

All: 1329.619+/-0.113 χ^2/NDF: 1277452.3/10

- sign 1336.246+/-0.162 χ^2/NDF: 502115.9/53



Right In: -117.611+/-1143.138 χ^2/NDF: 29.0/26

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

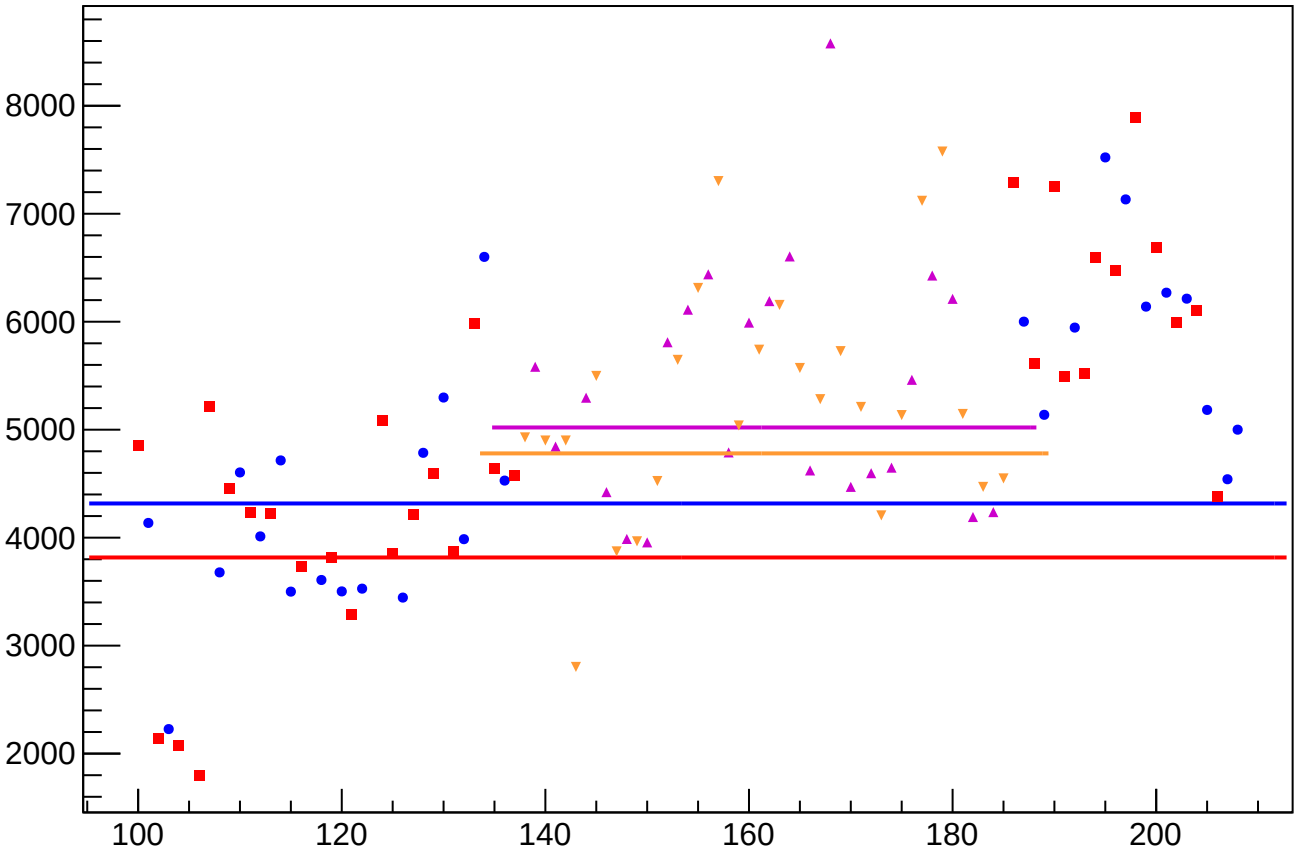
Right Out: 1289.807+/-1030.028 χ^2/NDF: 33.6/30

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -360.656+/-800.847 χ^2/NDF: 58.6/51

All: 263.728+/-559.026 χ^2/NDF: 107.2/105

- sign 857.095+/-780.702 χ^2/NDF: 47.4/53



Right In: 4316.696+/-0.808 χ^2/NDF: 2763090.9/26

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3816.517+/-0.728 χ^2/NDF: 5201996.6/30

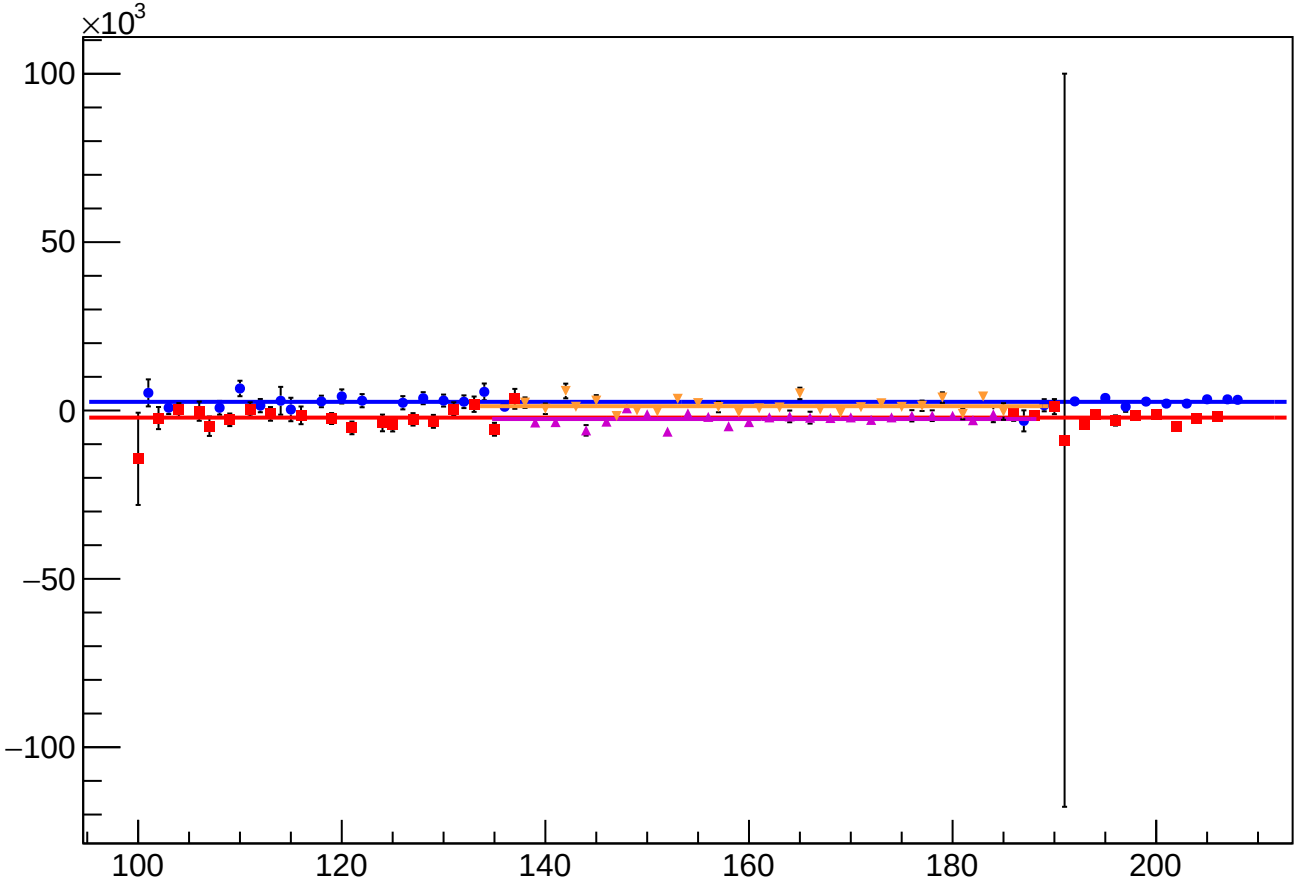
Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4552.814+/-0.566 χ^2/NDF: 4936906.6/51

All: 4437.988+/-0.395 χ^2/NDF: 12607077.9/1

- sign 4328.866+/-0.552 χ^2/NDF: 7589981.6/53

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2570.678+/-337.205 χ^2/NDF: 15.5/26

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -2109.417+/-336.047 χ^2/NDF: 29.8/30

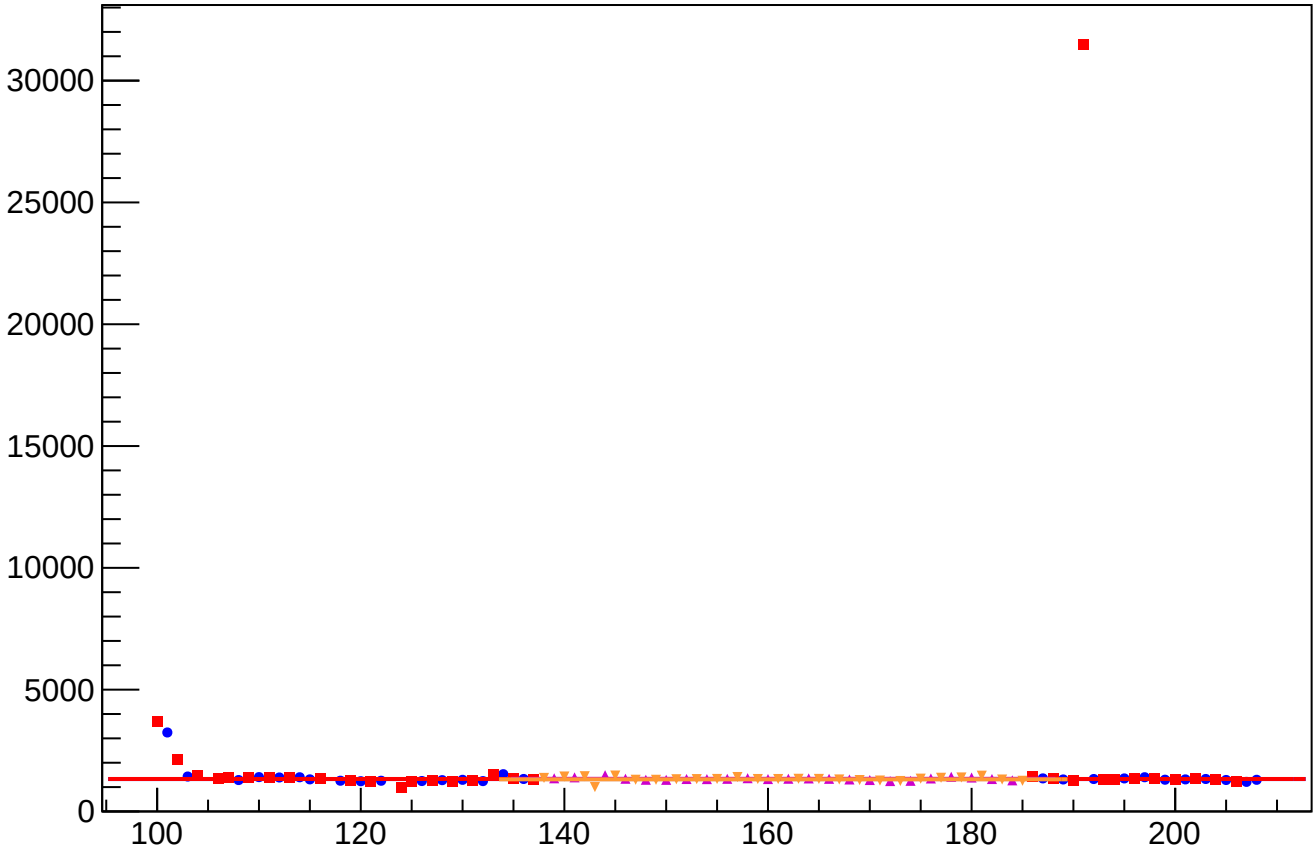
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1853.821+/-224.357 χ^2/NDF: 57.0/51

All: -198.063+/-160.259 χ^2/NDF: 283.4/105

- sign -2335.660+/-228.995 χ^2/NDF: 55.6/53

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1329.653+/-0.238 χ^2/NDF: 522213.2/26

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

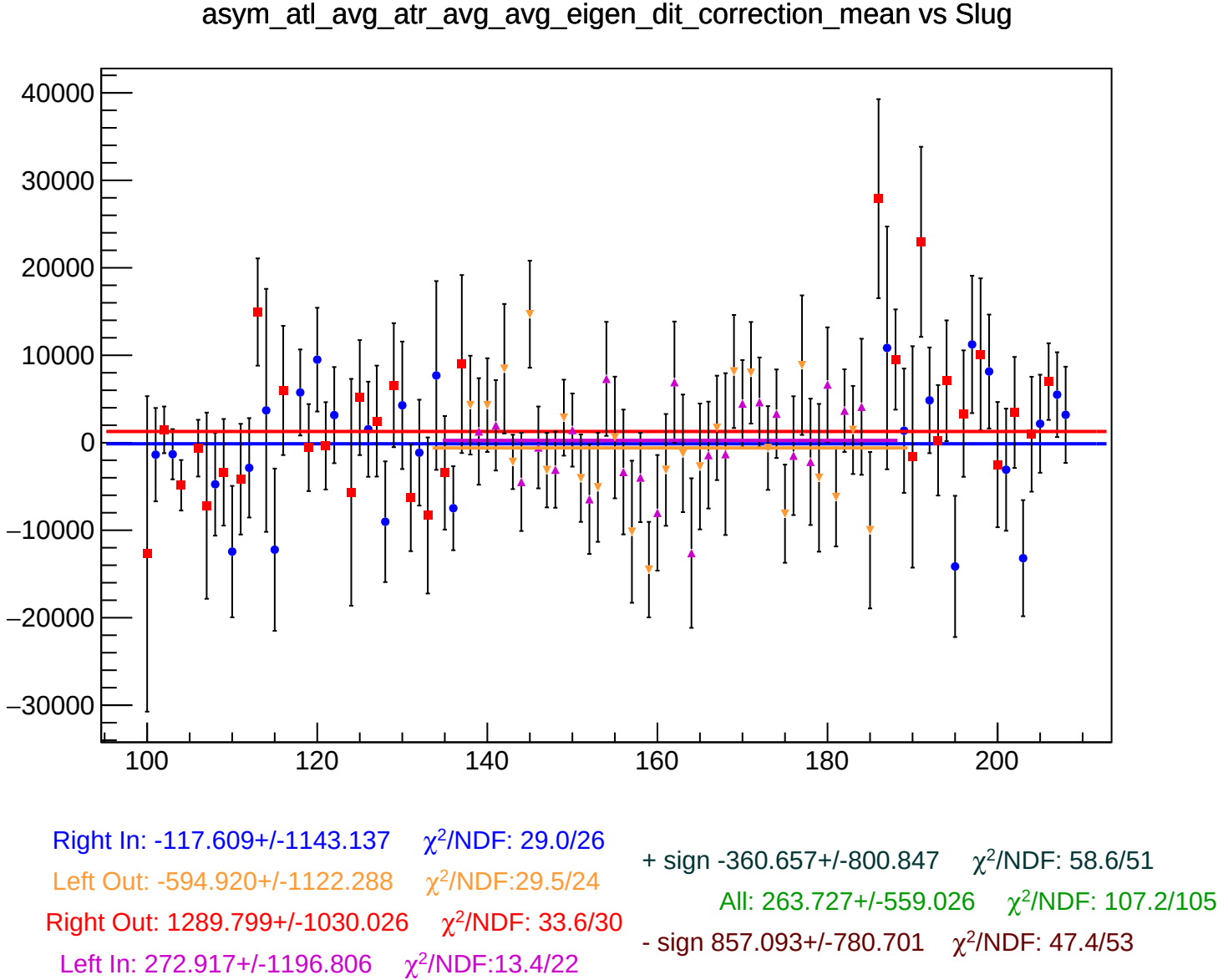
Right Out: 1333.528+/-0.238 χ^2/NDF: 447622.1/30

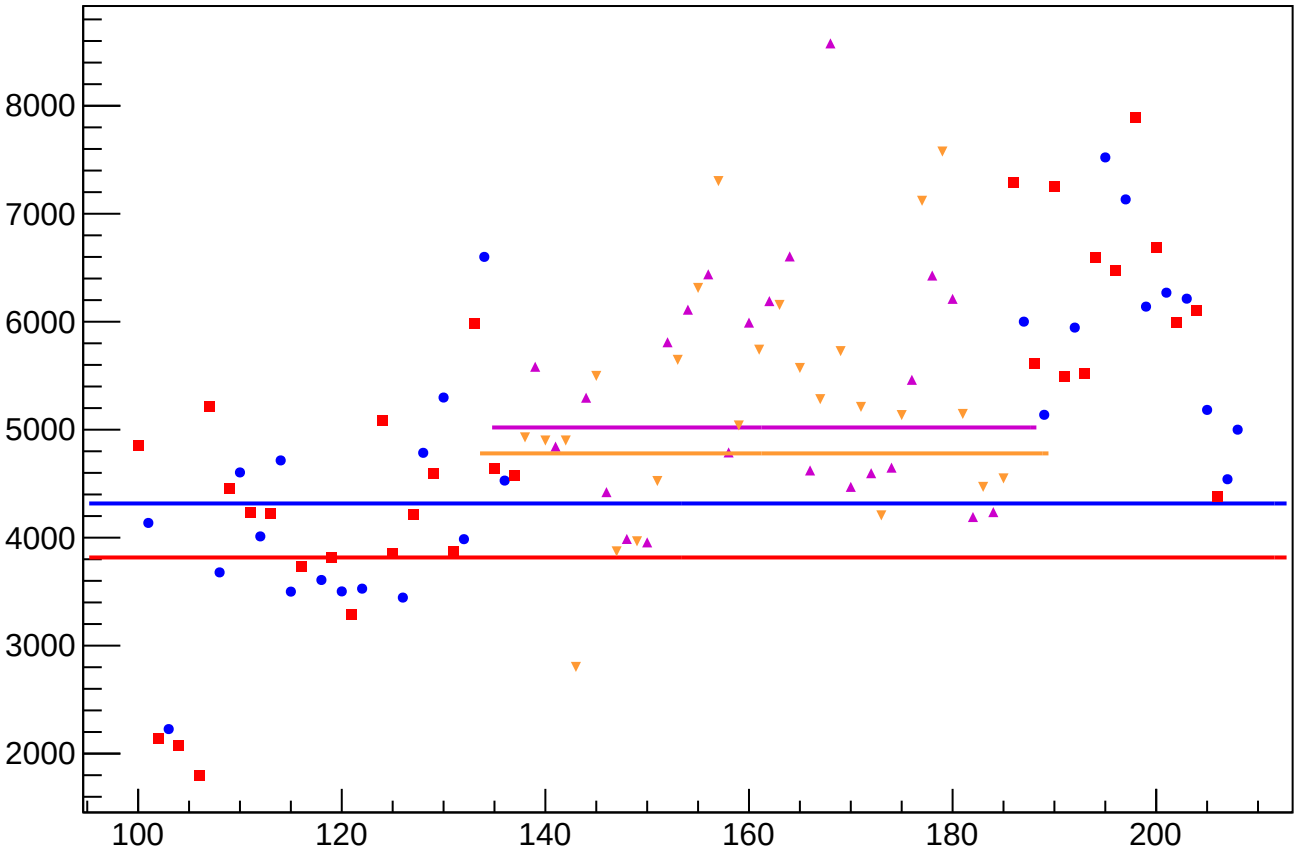
Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1323.256+/-0.159 χ^2/NDF: 772054.7/51

All: 1329.619+/-0.113 χ^2/NDF: 1277456.3/10

- sign 1336.246+/-0.162 χ^2/NDF: 502117.6/53


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -117.609+/-1143.137 χ²/NDF: 29.0/26
Left Out: -594.920+/-1122.288 χ²/NDF:29.5/24
Right Out: 1289.799+/-1030.026 χ²/NDF: 33.6/30
Left In: 272.917+/-1196.806 χ²/NDF:13.4/22
+ sign -360.657+/-800.847 χ²/NDF: 58.6/51
All: 263.727+/-559.026 χ²/NDF: 107.2/105
- sign 857.093+/-780.701 χ²/NDF: 47.4/53



Right In: 4316.690+/-0.808 χ^2/NDF: 2763118.7/26

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3816.508+/-0.728 χ^2/NDF: 5202030.9/30

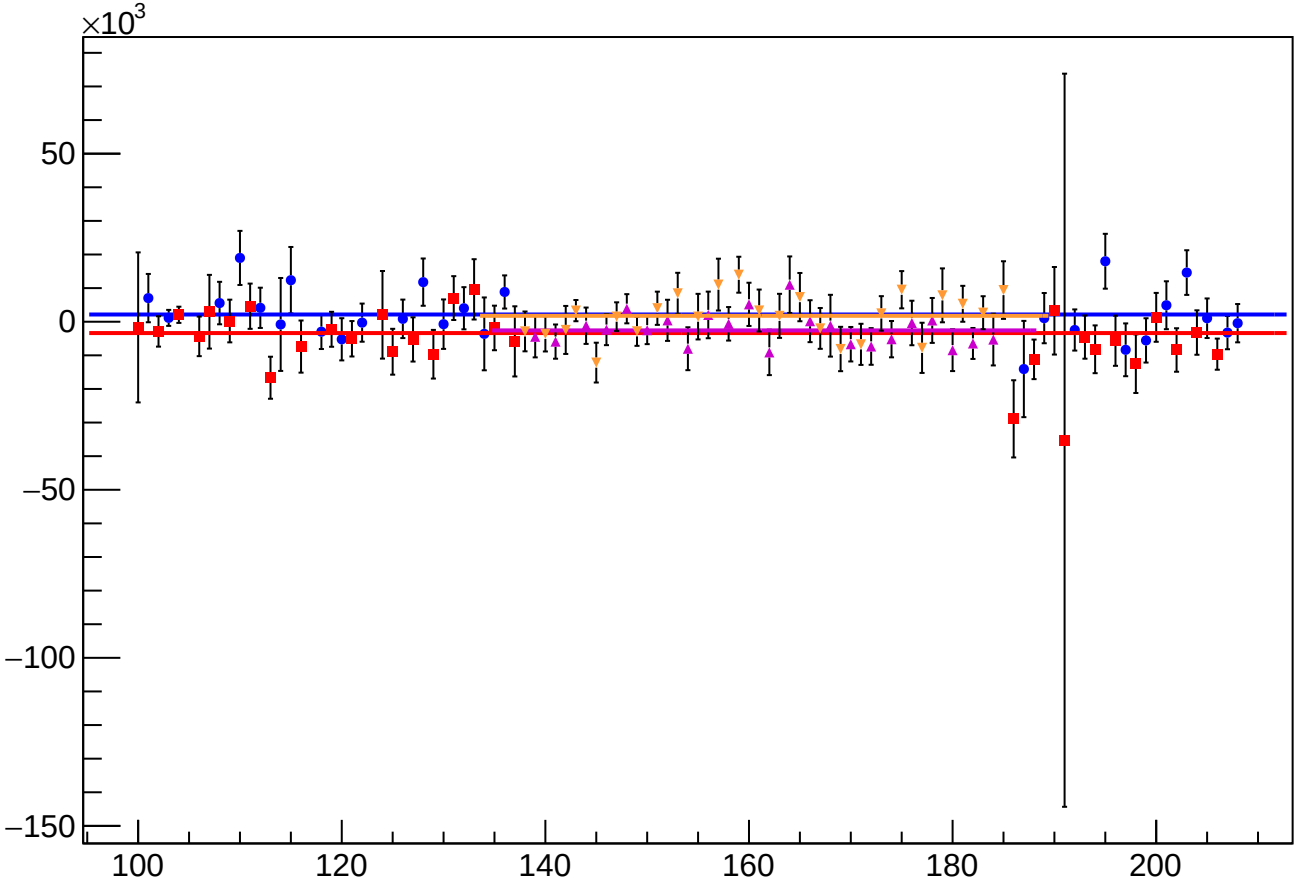
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4552.814+/-0.566 χ^2/NDF: 4936945.9/51

All: 4437.986+/-0.395 χ^2/NDF: 12607188.0/1

- sign 4328.862+/-0.552 χ^2/NDF: 7590049.7/53

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2151.336+/-1143.715 χ^2/NDF: 27.3/26

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -3371.740+/-1125.658 χ^2/NDF: 30.1/30

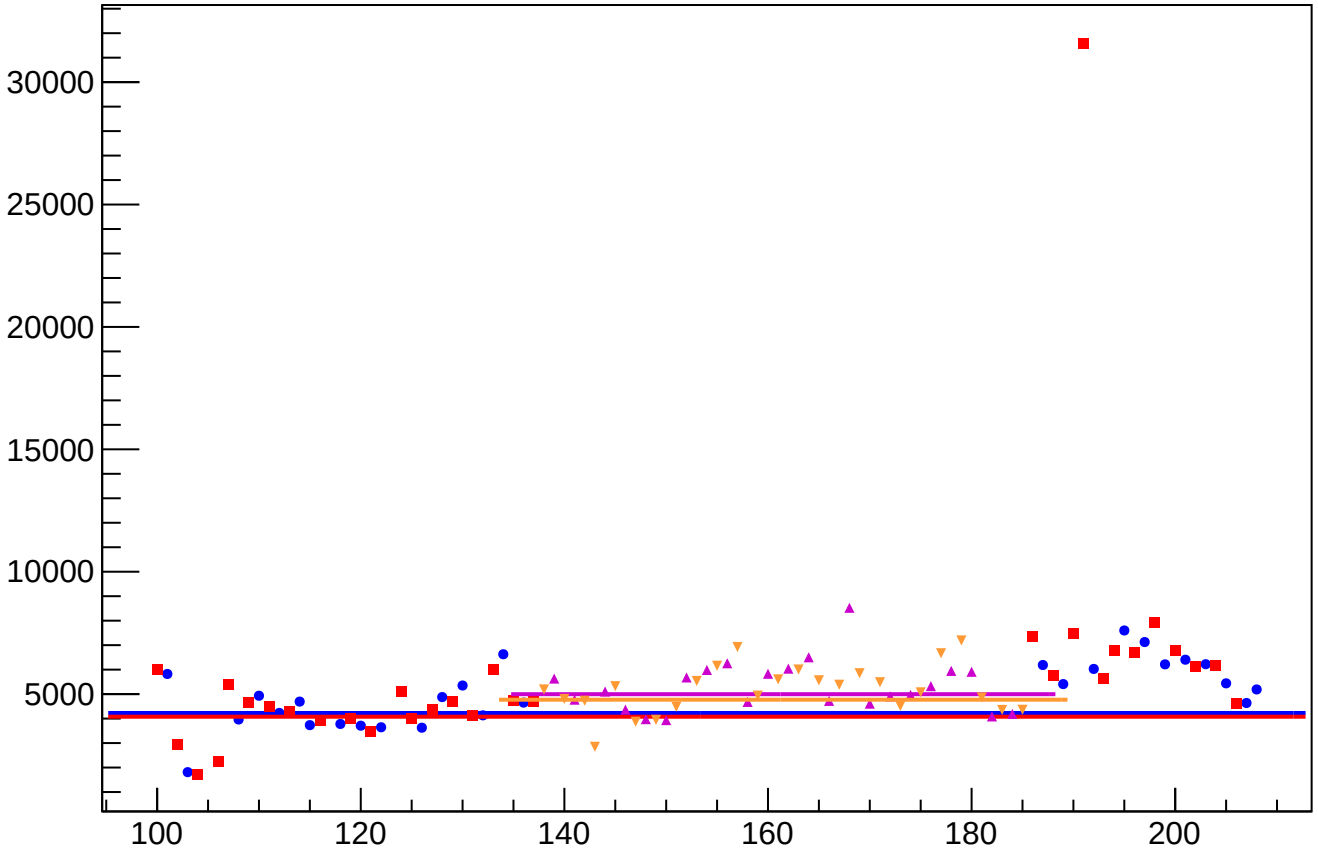
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 1951.772+/-798.835 χ^2/NDF: 55.0/51

All: -466.364+/-571.263 χ^2/NDF: 117.4/105

- sign -2997.318+/-817.257 χ^2/NDF: 43.6/53

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4229.041+/-0.809 χ^2/NDF: 4011343.3/26

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

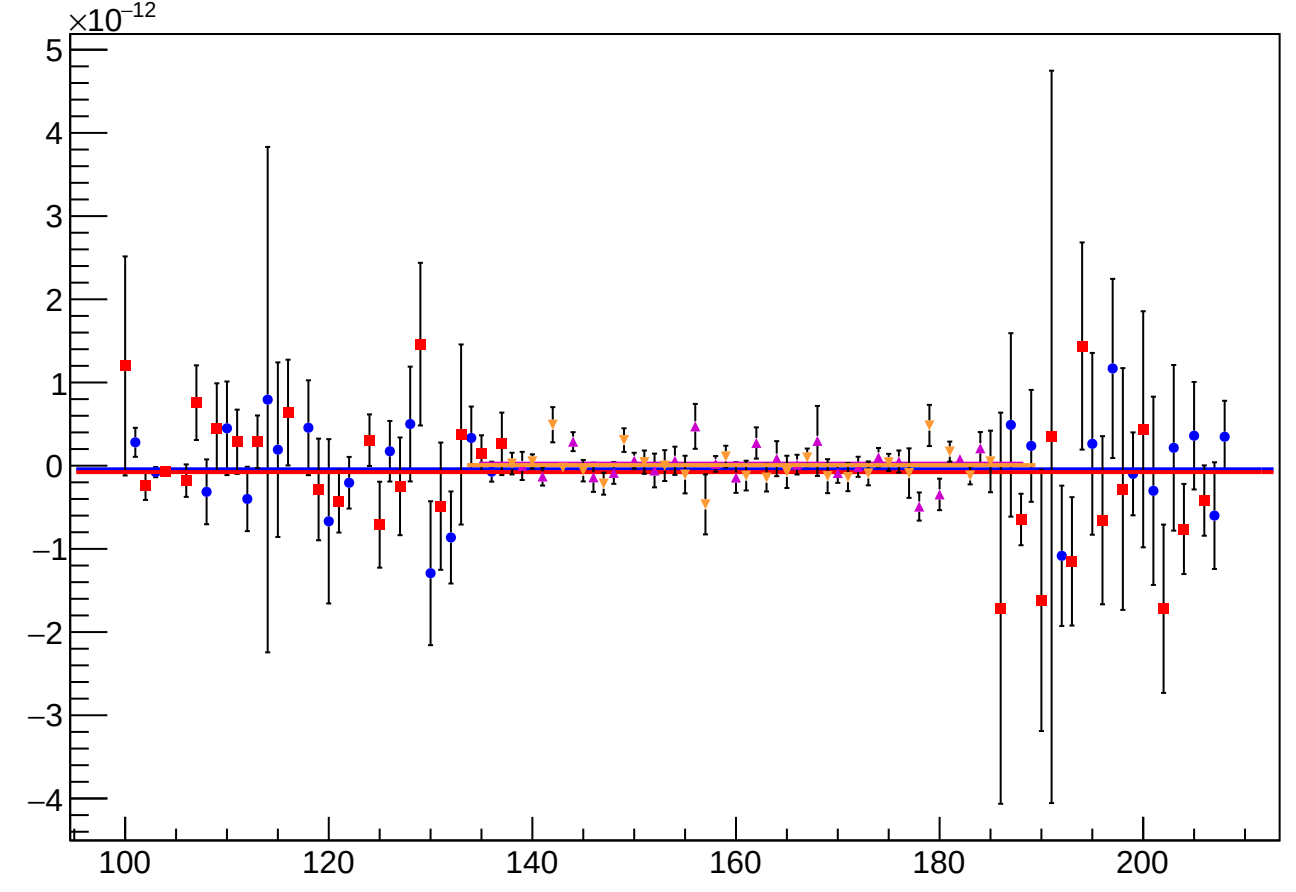
Right Out: 4076.898+/-0.788 χ^2/NDF: 4941226.0/30

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4506.701+/-0.565 χ^2/NDF: 6028582.8/51

All: 4507.035+/-0.403 χ^2/NDF: 12703043.4/1

- sign 4507.381+/-0.575 χ^2/NDF: 6674459.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

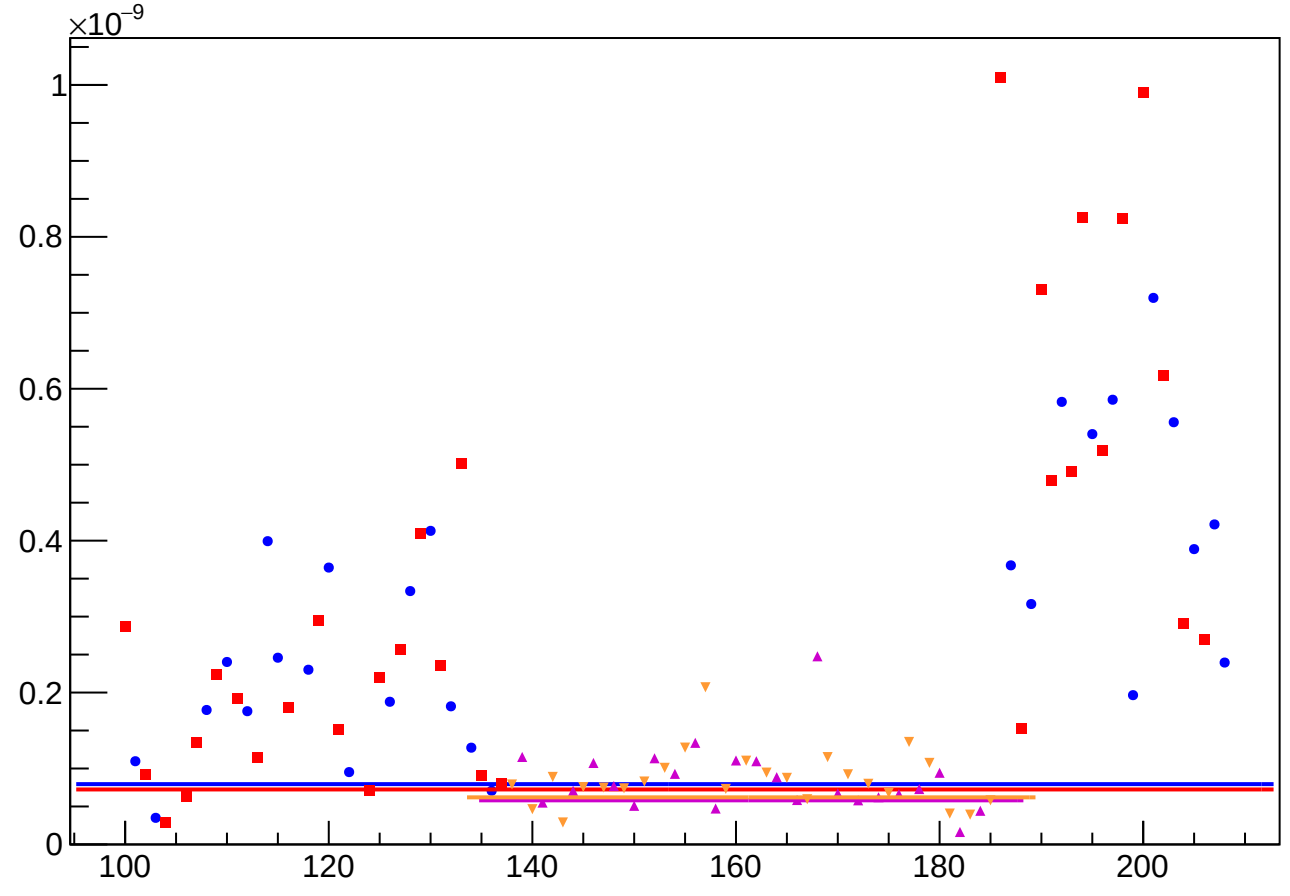
Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/30

Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.1/51

All: -0.000+/-0.000 χ^2/NDF: 115.0/105

- sign -0.000+/-0.000 χ^2/NDF: 67.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 7179193.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

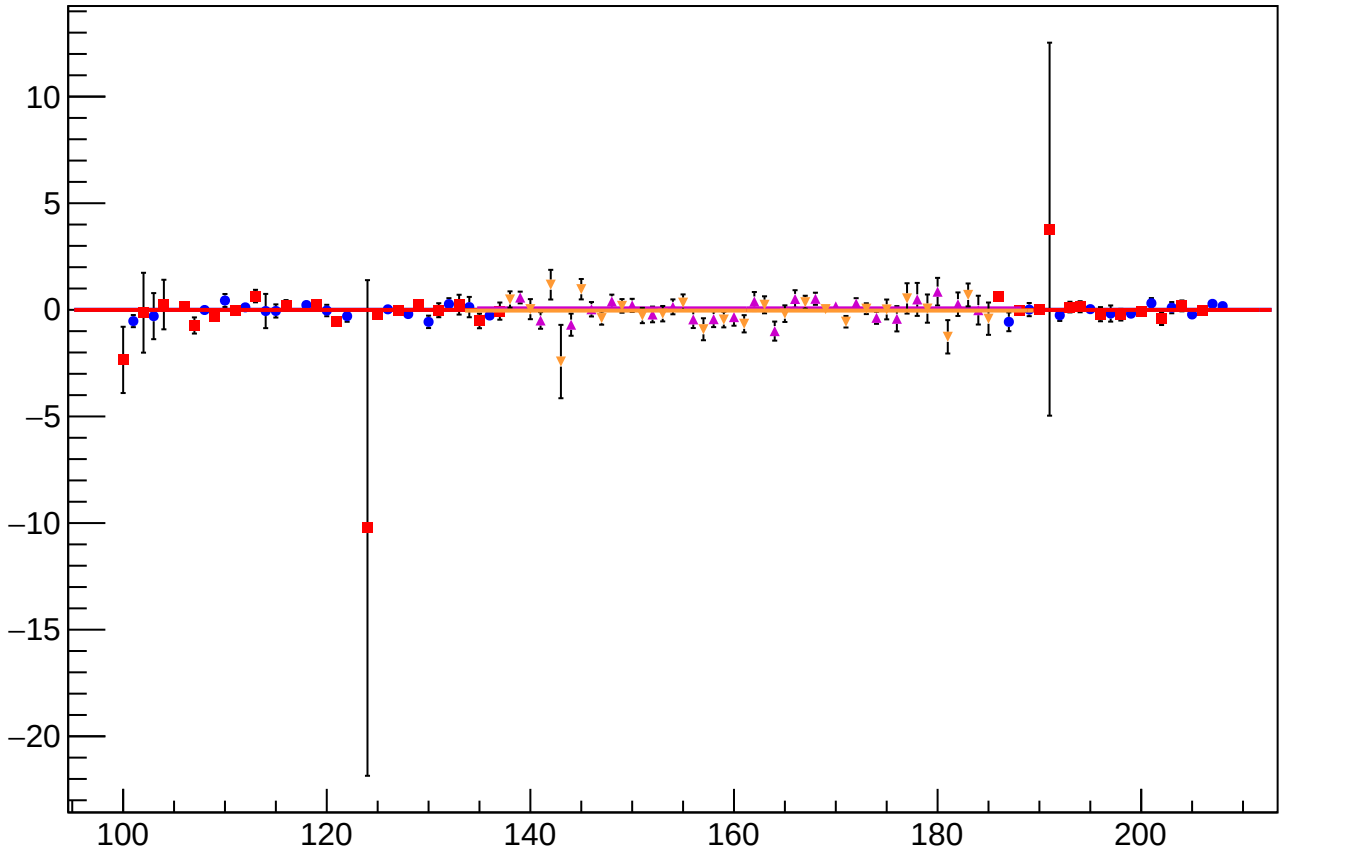
Right Out: 0.000+/-0.000 χ^2/NDF: 8275014.2/30

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9830525.3/51

All: 0.000+/-0.000 χ^2/NDF: 21255292.5/105

- sign 0.000+/-0.000 χ^2/NDF: 11386481.4/53



Right In: 0.002+/-0.046 χ^2/NDF: 27.6/26

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

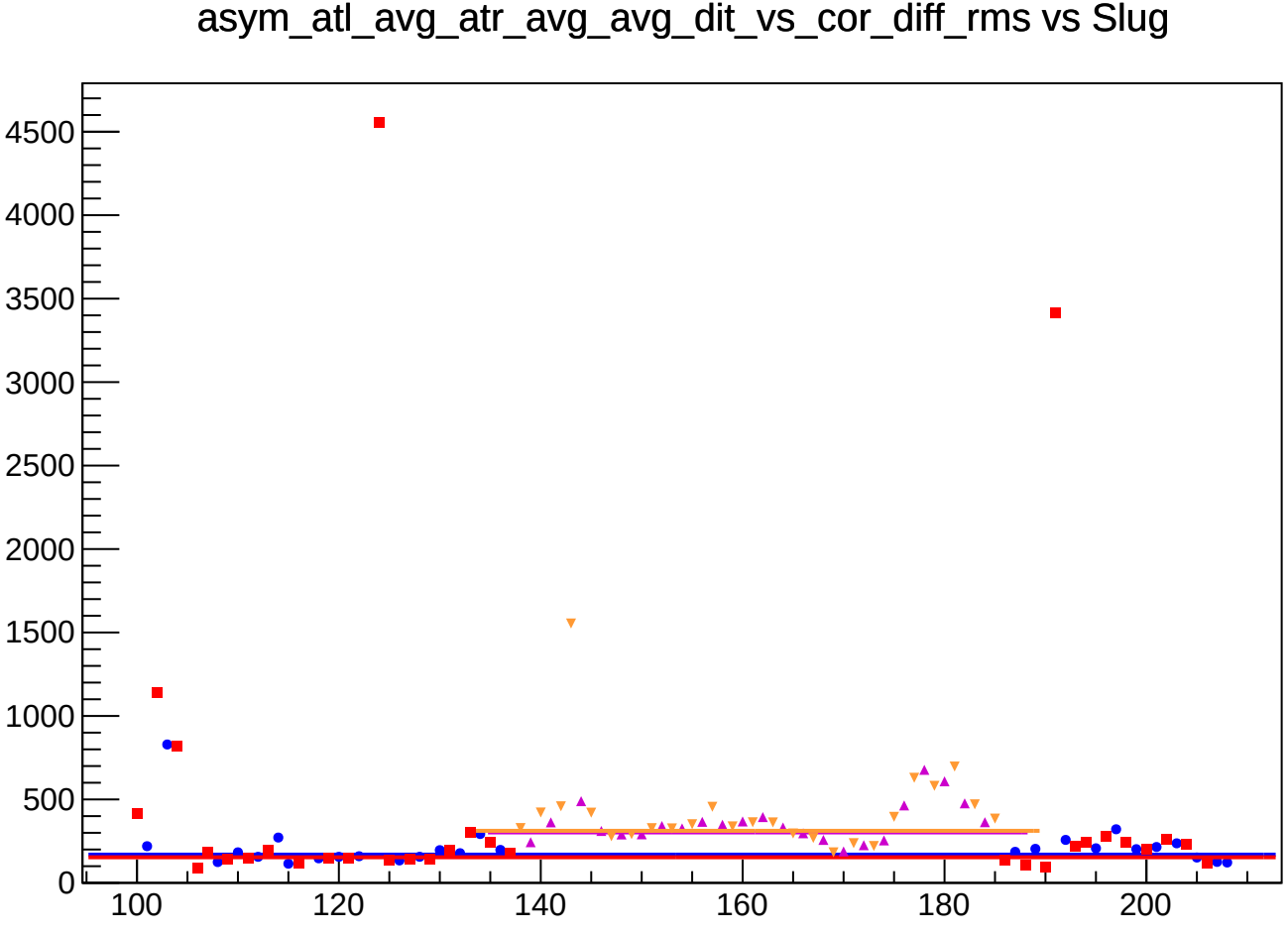
Right Out: -0.005+/-0.043 χ^2/NDF: 40.0/30

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

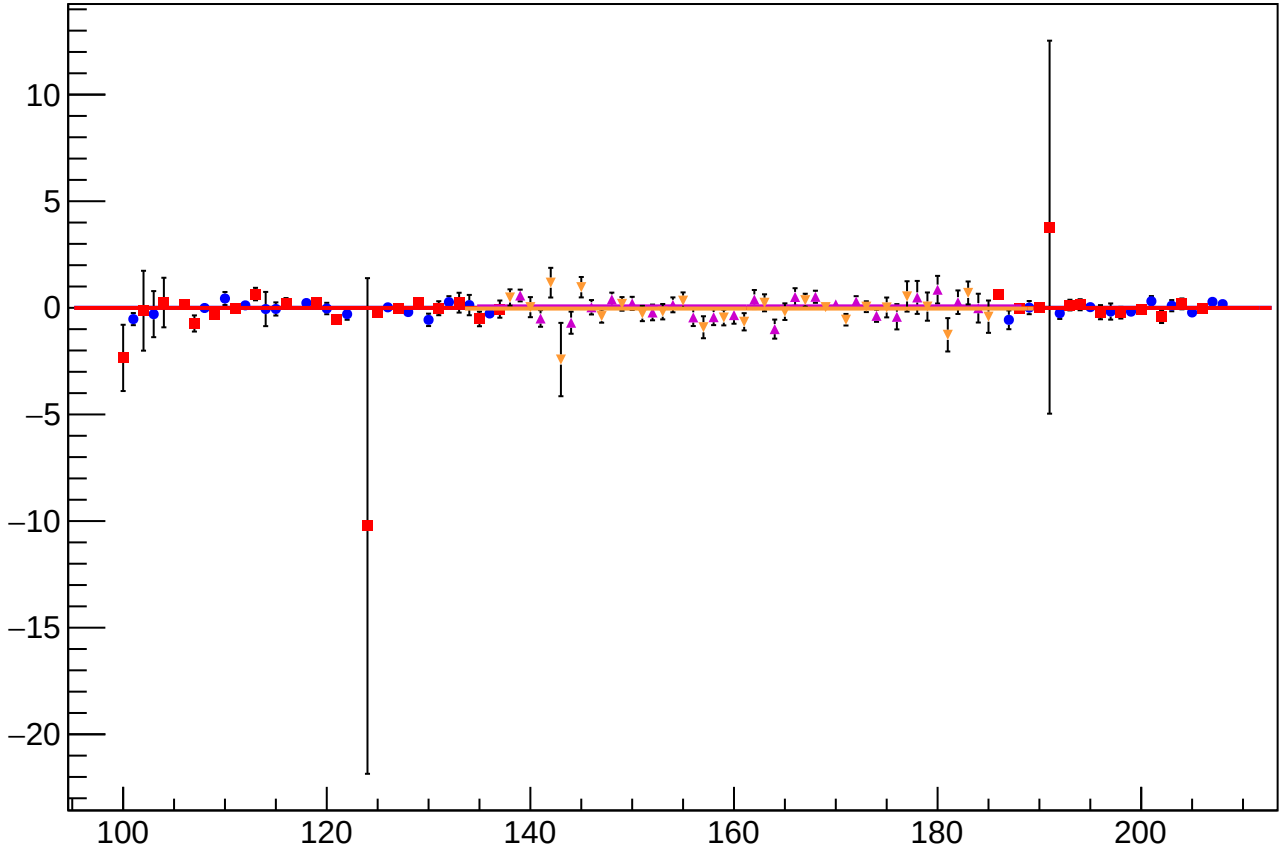
\+ sign -0.007+/-0.040 χ^2/NDF: 60.3/51

All: 0.004+/-0.027 χ^2/NDF: 131.0/105

\- sign 0.014+/-0.038 χ^2/NDF: 70.6/53


asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 169.335+/-0.033 χ²/NDF: 2602946.9/26
Left Out: 311.961+/-0.054 χ²/NDF:4350162.2/24
Right Out: 153.481+/-0.031 χ²/NDF: 4769527.3/30
Left In: 302.375+/-0.053 χ²/NDF:2808730.8/22
+ sign 207.446+/-0.028 χ²/NDF: 12024289.6/51
All: 198.743+/-0.019 χ²/NDF: 25702170.6/10
- sign 190.927+/-0.027 χ²/NDF: 13494829.3/53

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.046 χ^2/NDF: 27.6/26

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

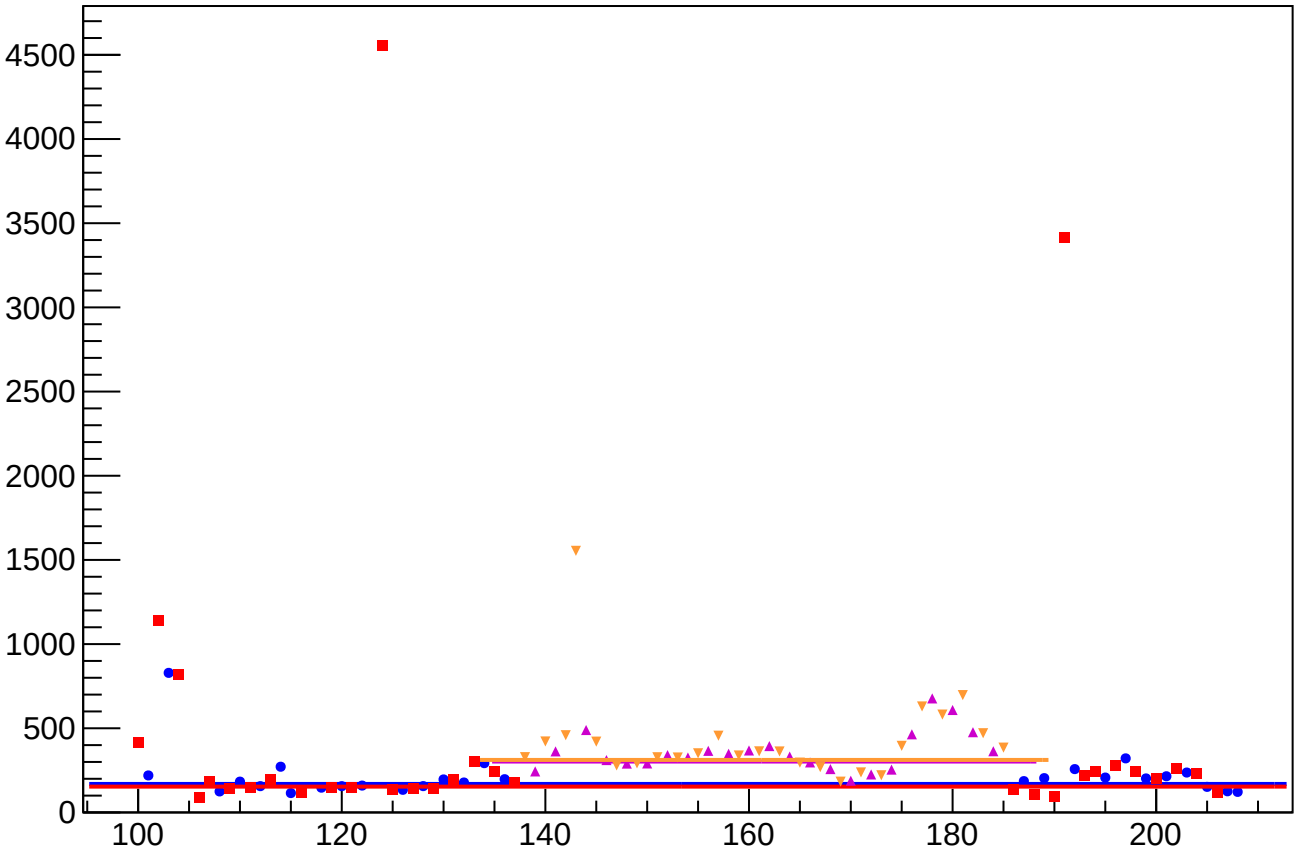
Right Out: -0.005+/-0.043 χ^2/NDF: 40.0/30

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.007+/-0.040 χ^2/NDF: 60.3/51

All: 0.004+/-0.027 χ^2/NDF: 131.0/105

- sign 0.014+/-0.038 χ^2/NDF: 70.6/53



Right In: 169.335+/-0.033 χ^2/NDF: 2602946.9/26

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

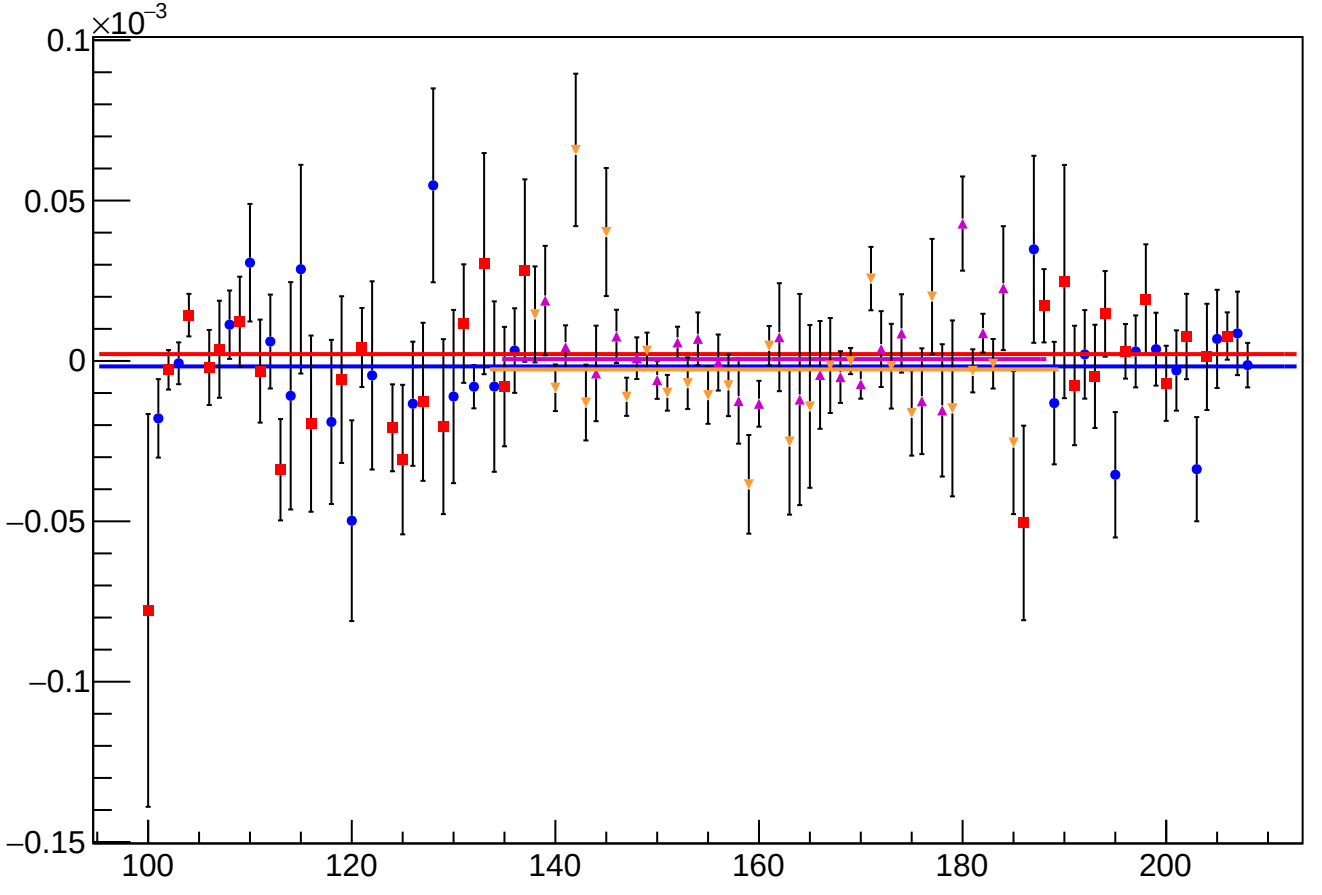
Right Out: 153.481+/-0.031 χ^2/NDF: 4769527.3/30

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 207.446+/-0.028 χ^2/NDF: 12024289.6/51

All: 198.743+/-0.019 χ^2/NDF: 25702170.6/10

- sign 190.927+/-0.027 χ^2/NDF: 13494829.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

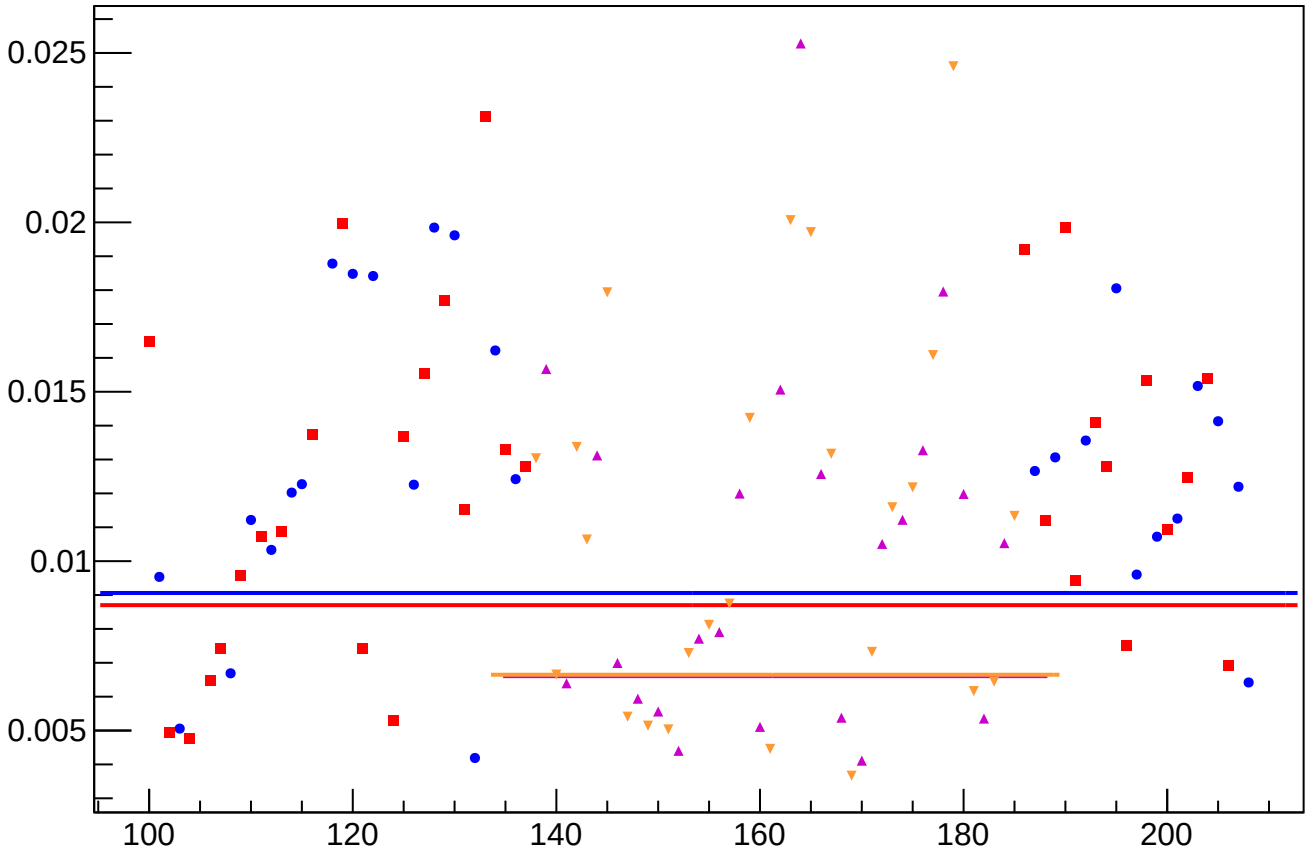
Right Out: 0.000+/-0.000 χ^2/NDF: 29.2/30

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.2/51

All: -0.000+/-0.000 χ^2/NDF: 127.5/105

- sign 0.000+/-0.000 χ^2/NDF: 56.4/53



Right In: 0.009+/-0.000 χ^2/NDF: 5313313.3/26

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

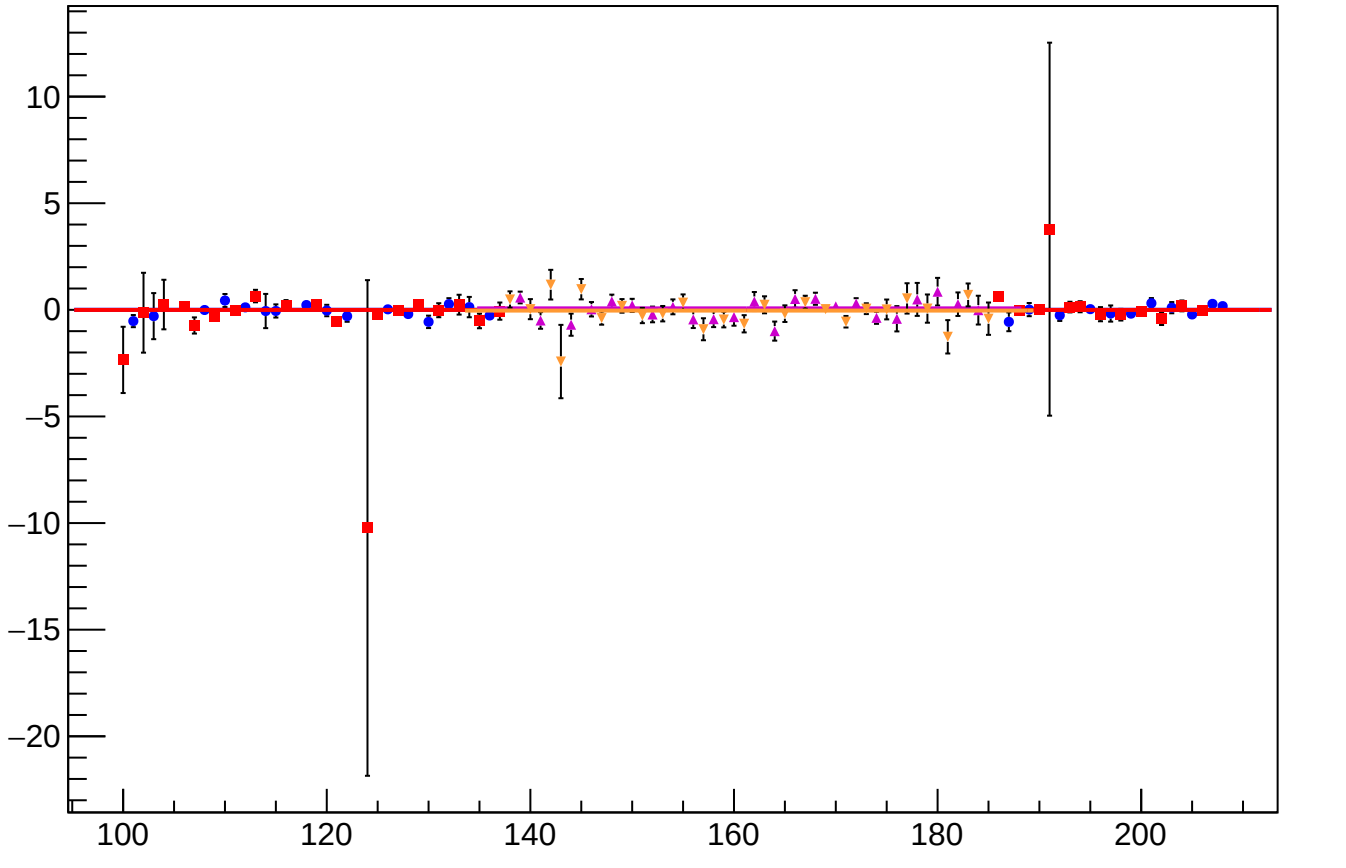
Right Out: 0.009+/-0.000 χ^2/NDF: 5209744.5/30

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 14057800.6/51

All: 0.007+/-0.000 χ^2/NDF: 26118182.6/105

- sign 0.007+/-0.000 χ^2/NDF: 12058381.8/53



Right In: 0.002+/-0.046 χ^2/NDF: 27.6/26

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.005+/-0.043 χ^2/NDF: 40.0/30

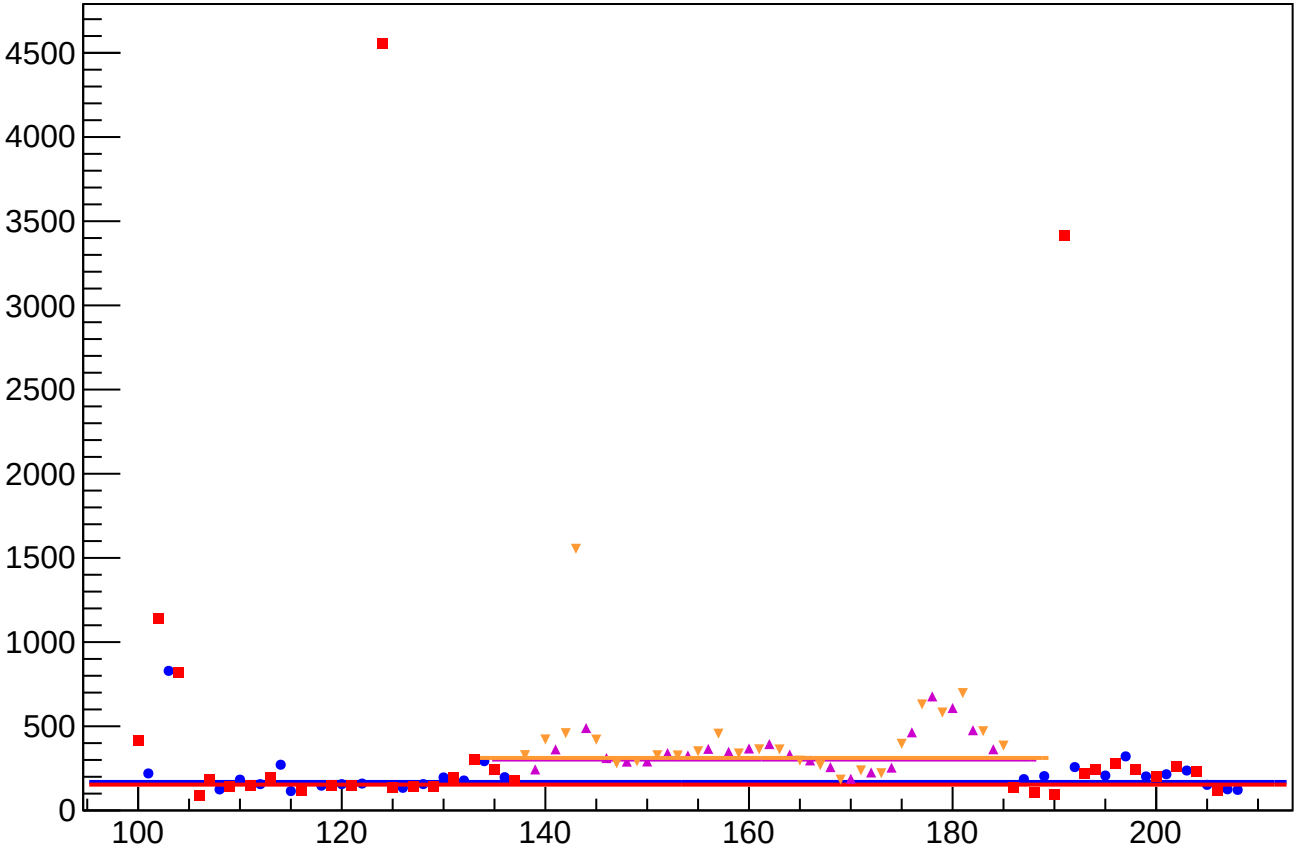
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.007+/-0.040 χ^2/NDF: 60.3/51

All: 0.004+/-0.027 χ^2/NDF: 131.0/105

- sign 0.014+/-0.038 χ^2/NDF: 70.6/53

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 169.334+/-0.033 χ^2/NDF: 2603010.9/26

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

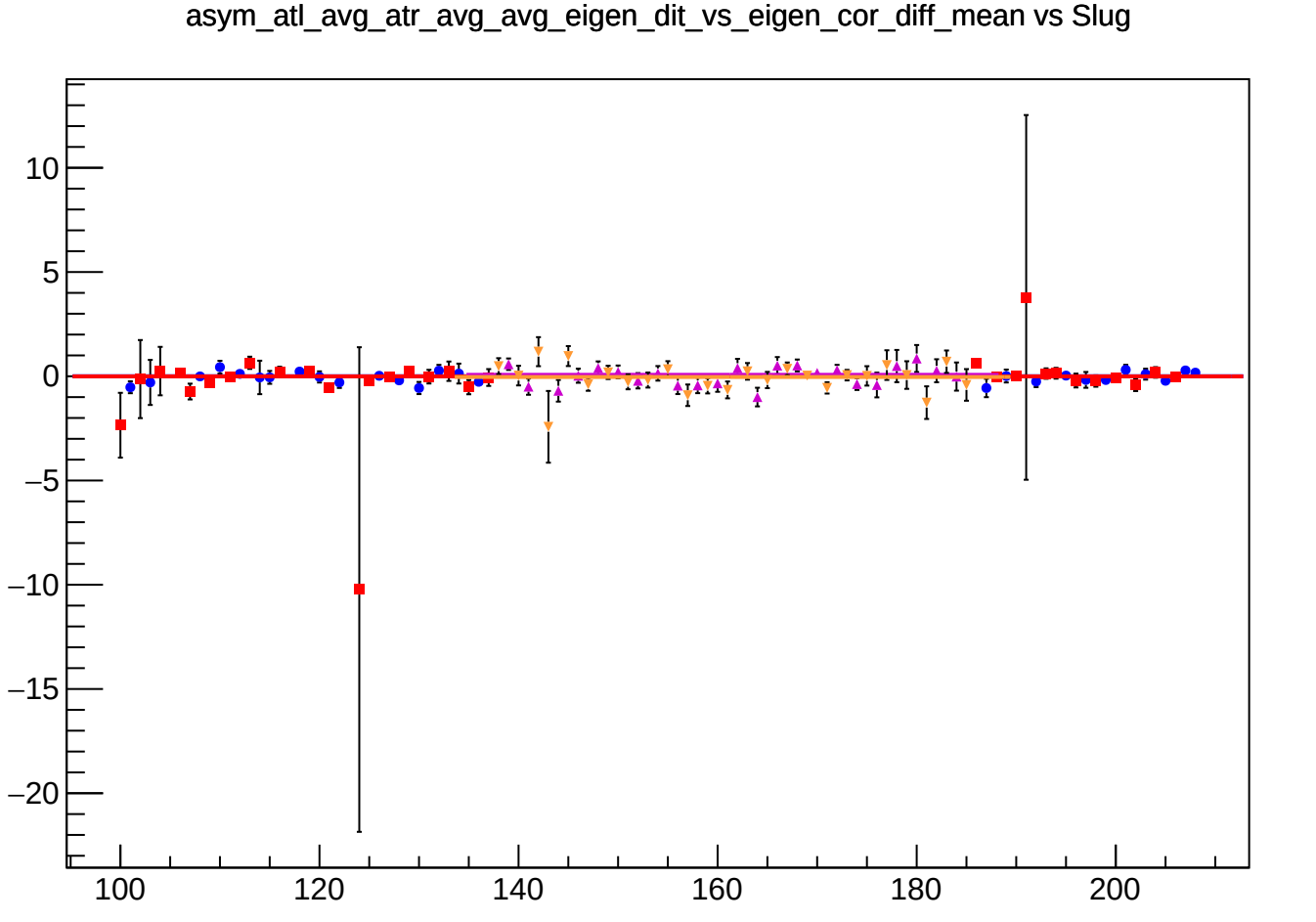
Right Out: 153.478+/-0.031 χ^2/NDF: 4769753.7/30

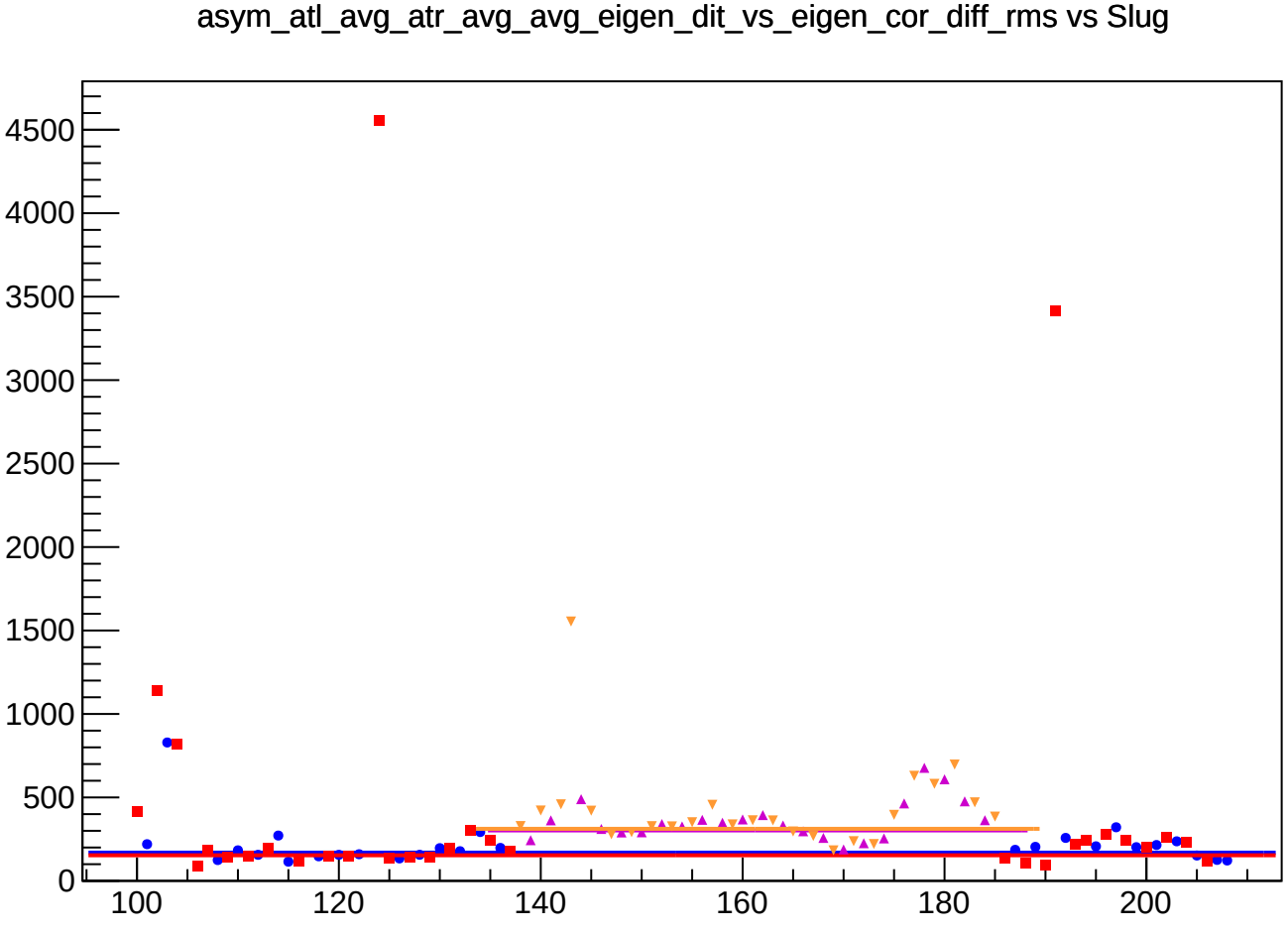
Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

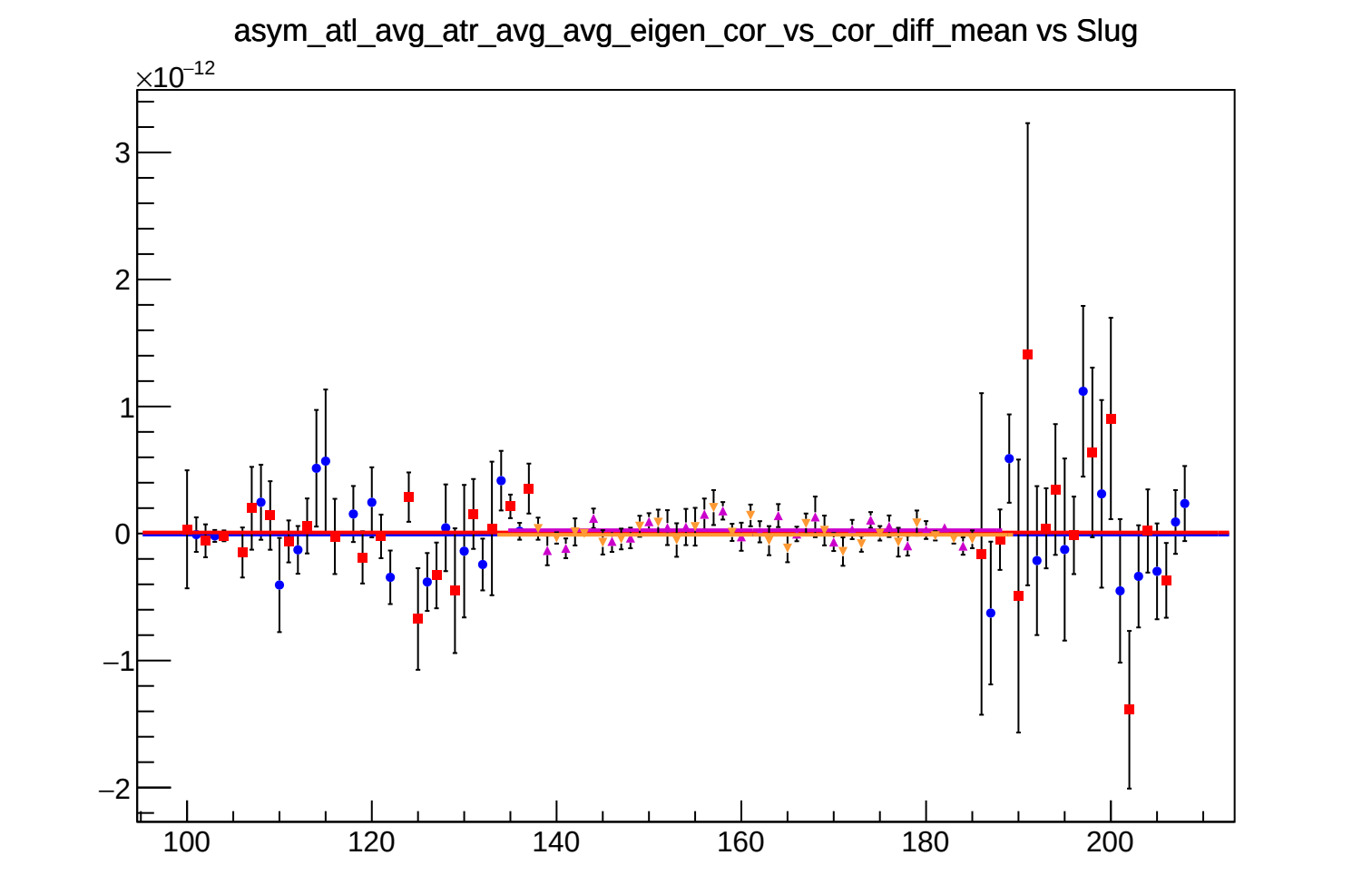
+ sign 207.445+/-0.028 χ^2/NDF: 12024649.6/51

All: 198.740+/-0.019 χ^2/NDF: 25703282.8/10

- sign 190.924+/-0.027 χ^2/NDF: 13495537.8/53


asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
10
5
0
−5
−10
−15
−20
100
120
140
160
180
200
Right In: 0.002+/-0.046 χ²/NDF: 27.6/26
Left Out: -0.035+/-0.077 χ²/NDF:32.5/24
Right Out: -0.005+/-0.043 χ²/NDF: 40.0/30
Left In: 0.069+/-0.075 χ²/NDF:29.9/22
+ sign -0.007+/-0.040 χ²/NDF: 60.3/51
All: 0.004+/-0.027 χ²/NDF: 131.0/105
- sign 0.014+/-0.038 χ²/NDF: 70.6/53


asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 169.334+/-0.033 χ²/NDF: 2603010.9/26
Left Out: 311.961+/-0.054 χ²/NDF:4350376.6/24
Right Out: 153.478+/-0.031 χ²/NDF: 4769753.7/30
Left In: 302.377+/-0.053 χ²/NDF:2808874.8/22
+ sign 207.445+/-0.028 χ²/NDF: 12024649.6/51
All: 198.740+/-0.019 χ²/NDF: 25703282.8/10
- sign 190.924+/-0.027 χ²/NDF: 13495537.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

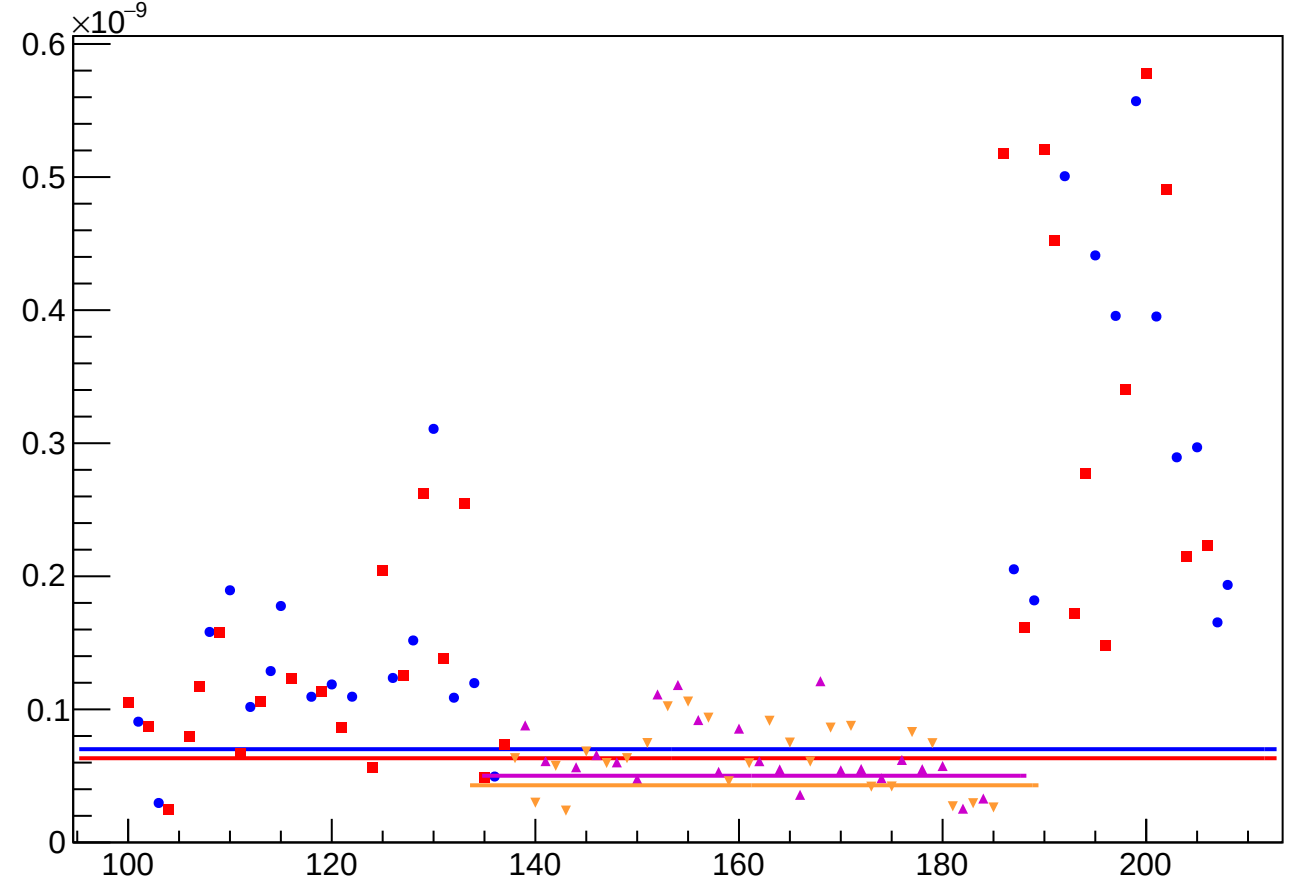
Right Out: 0.000+/-0.000 χ^2/NDF: 29.1/30

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.4/51

All: 0.000+/-0.000 χ^2/NDF: 102.4/105

- sign 0.000+/-0.000 χ^2/NDF: 57.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 9179901.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8480241.6/30

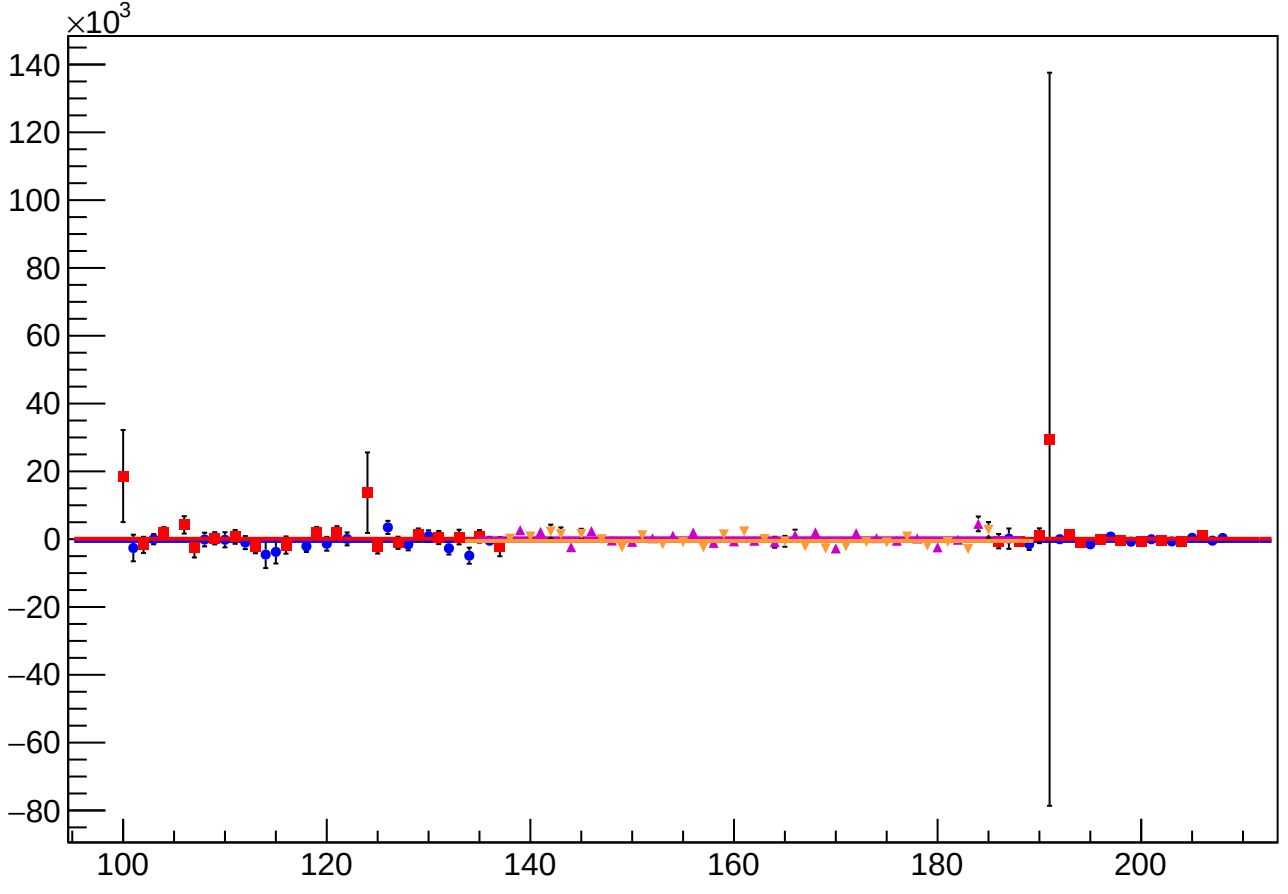
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15487265.1/51

All: 0.000+/-0.000 χ^2/NDF: 28069300.1/105

- sign 0.000+/-0.000 χ^2/NDF: 12390153.0/53

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -507.477+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 106.976+/-322.543 χ^2/NDF: 19.6/30

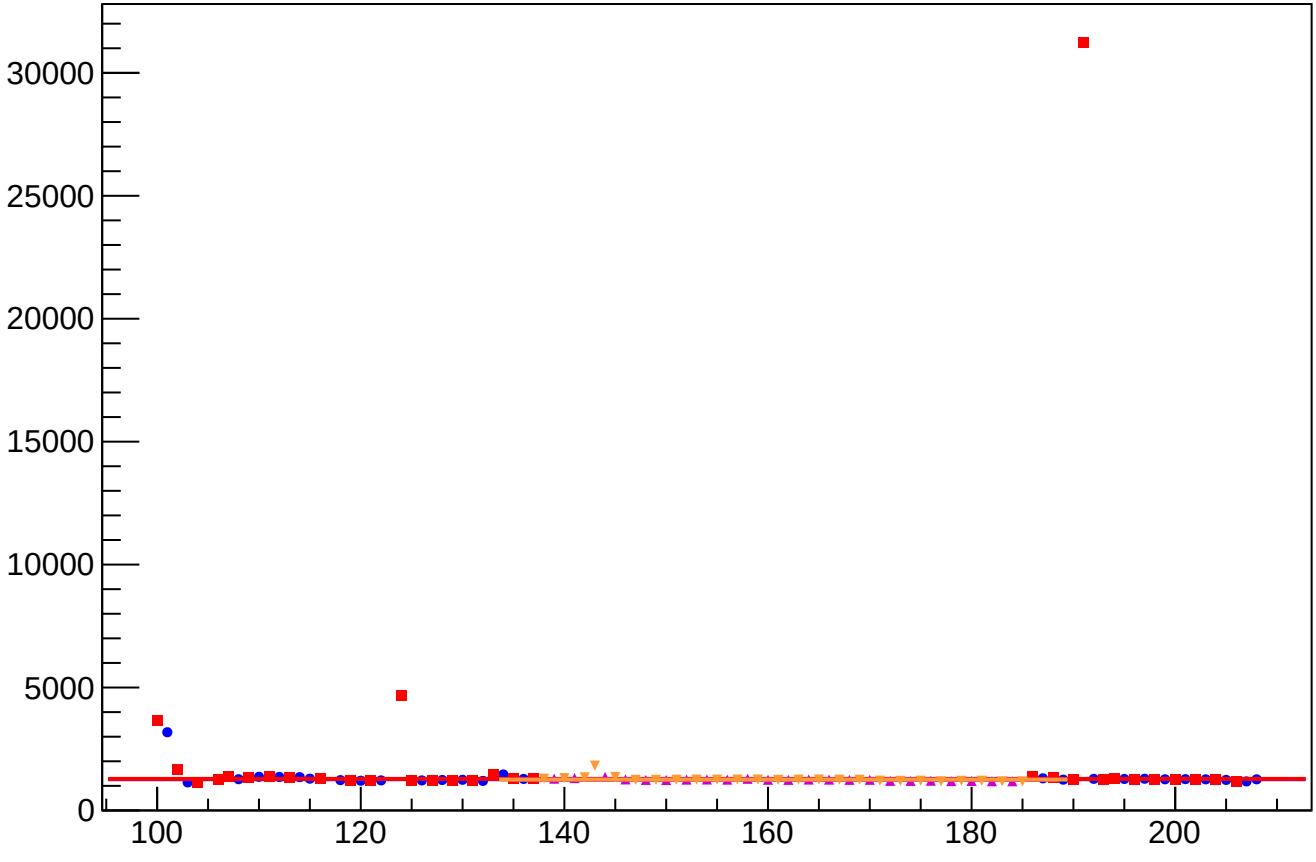
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -511.399+/-213.917 χ^2/NDF: 47.6/51

All: -168.390+/-152.038 χ^2/NDF: 104.5/105

- sign 181.751+/-216.130 χ^2/NDF: 51.8/53

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1271.489+/-0.228 χ^2/NDF: 532300.0/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

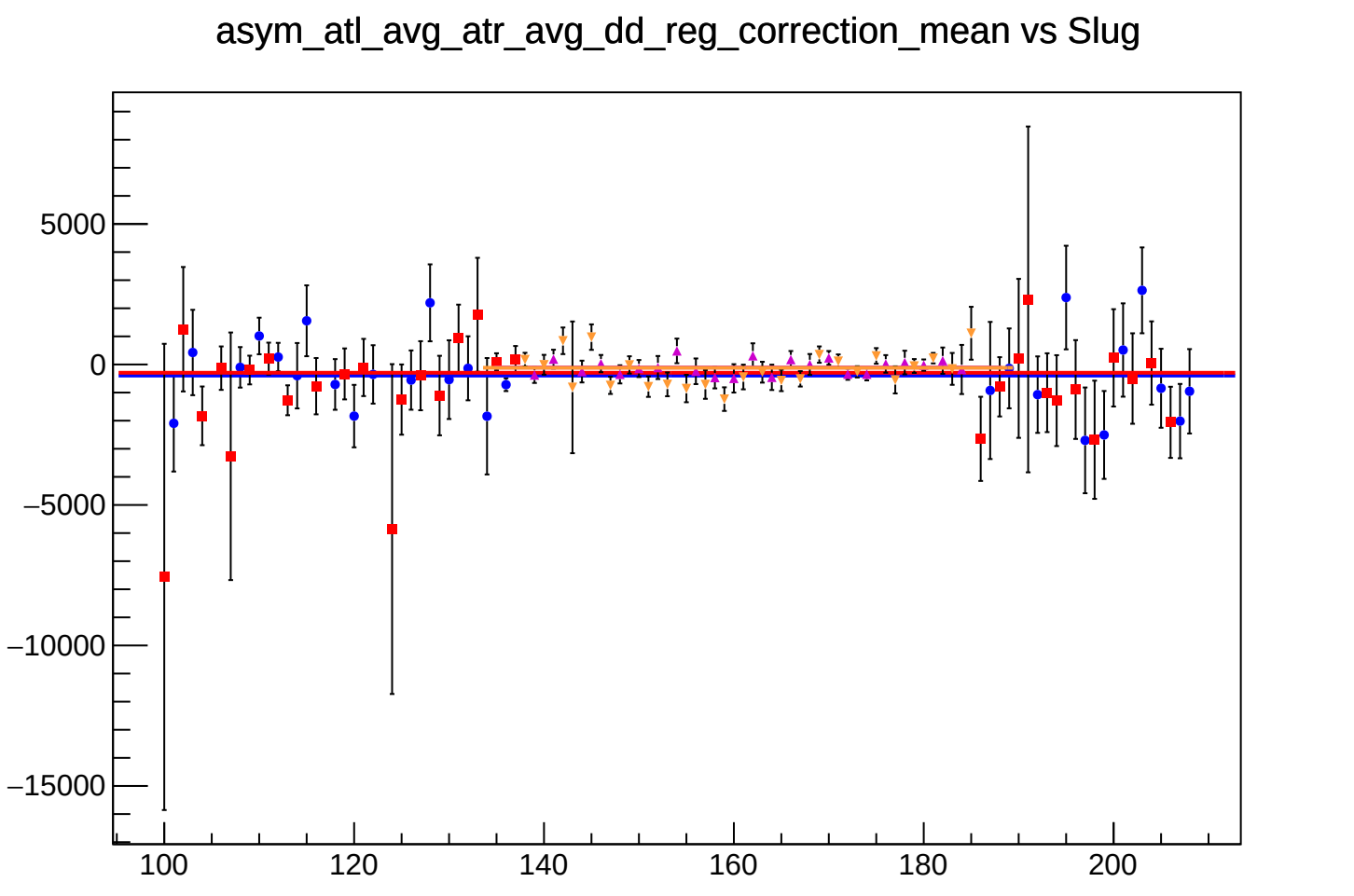
Right Out: 1283.190+/-0.228 χ^2/NDF: 507237.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1262.548+/-0.151 χ^2/NDF: 738172.7/51

All: 1262.719+/-0.108 χ^2/NDF: 1299642.5/10

- sign 1262.894+/-0.153 χ^2/NDF: 561467.2/53



Right In: -394.964+/-158.421 χ^2/NDF: 30.1/26

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -294.835+/-159.092 χ^2/NDF: 22.1/30

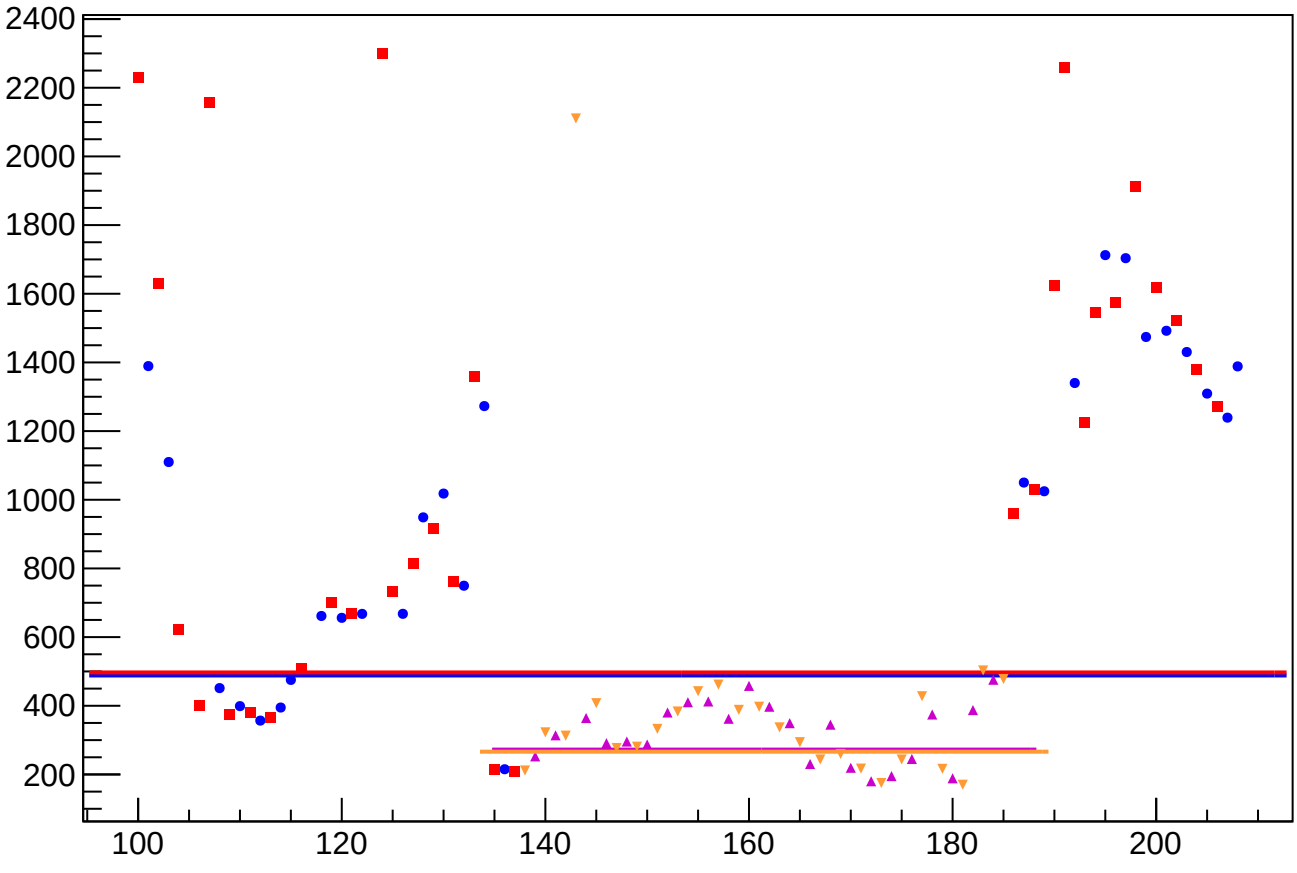
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -157.138+/-60.182 χ^2/NDF: 81.2/51

All: -146.639+/-43.098 χ^2/NDF: 118.2/105

\- sign -135.586+/-61.748 χ^2/NDF: 37.0/53

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 488.290+/-0.112 χ^2/NDF: 12288650.2/26

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 497.098+/-0.112 χ^2/NDF: 12280216.6/30

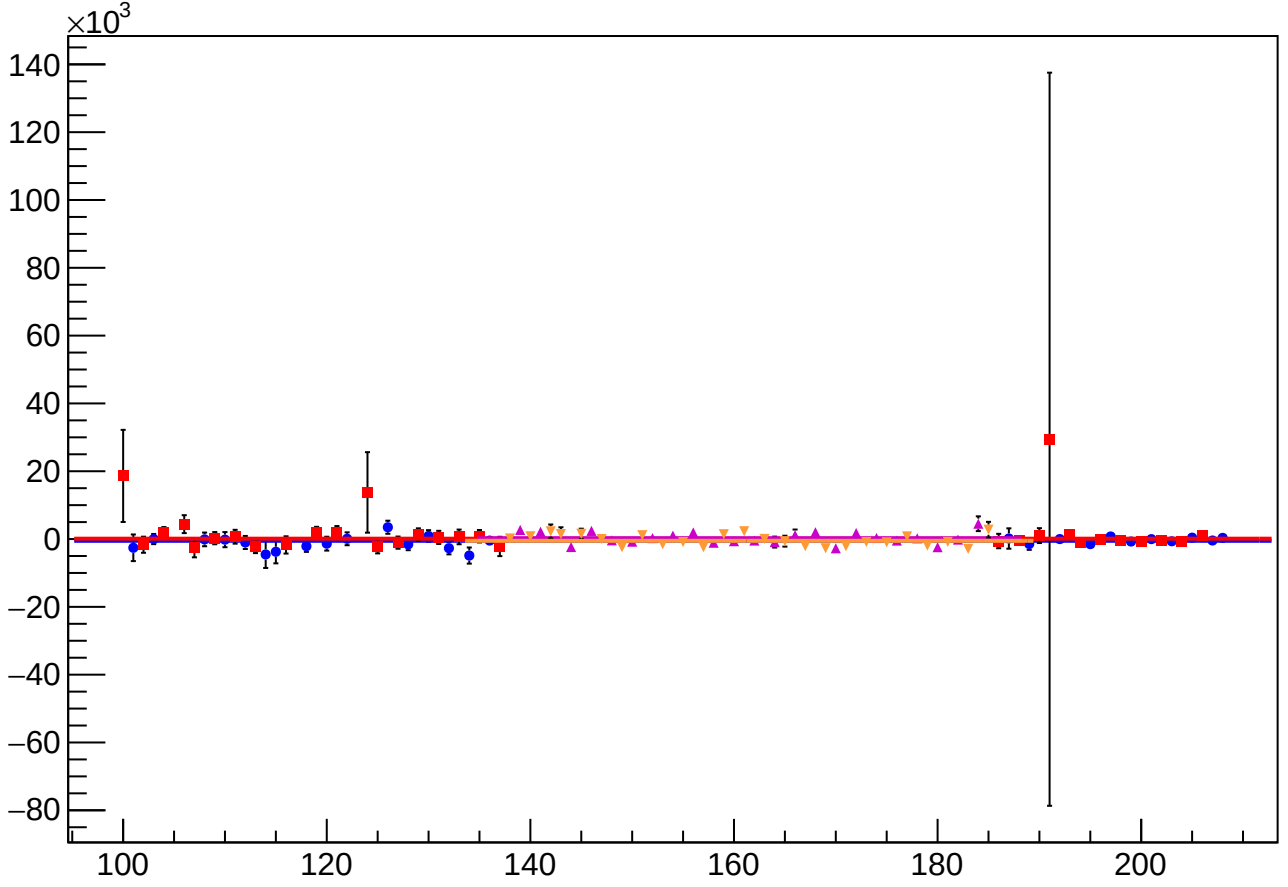
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 298.354+/-0.043 χ^2/NDF: 20278535.2/51

All: 302.187+/-0.030 χ^2/NDF: 38852812.1/10

- sign 306.222+/-0.044 χ^2/NDF: 18557621.8/53

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -507.337+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 105.587+/-322.696 χ^2/NDF: 19.7/30

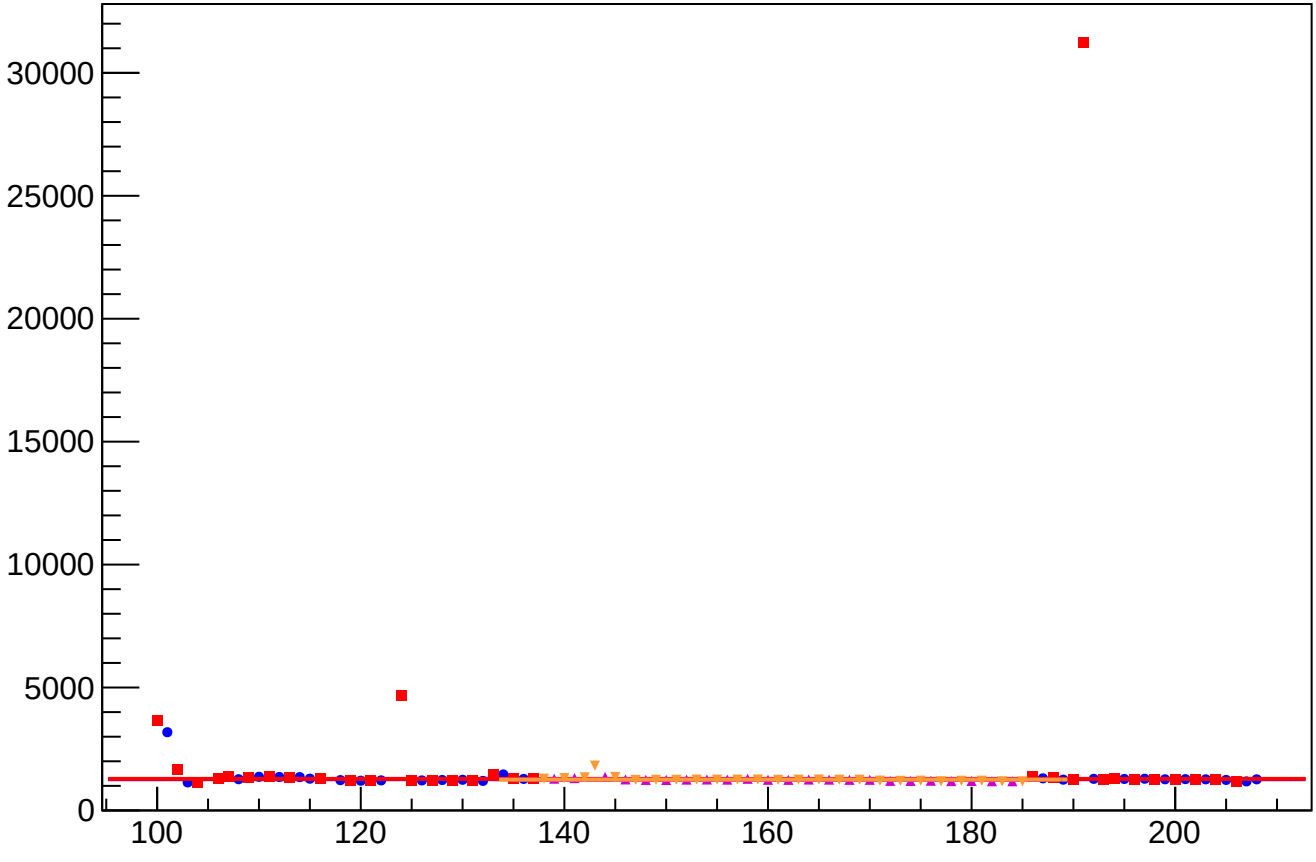
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -511.307+/-213.917 χ^2/NDF: 47.6/51

All: -168.716+/-152.054 χ^2/NDF: 104.6/105

- sign 181.147+/-216.176 χ^2/NDF: 51.8/53

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1271.489+/-0.228 χ^2/NDF: 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

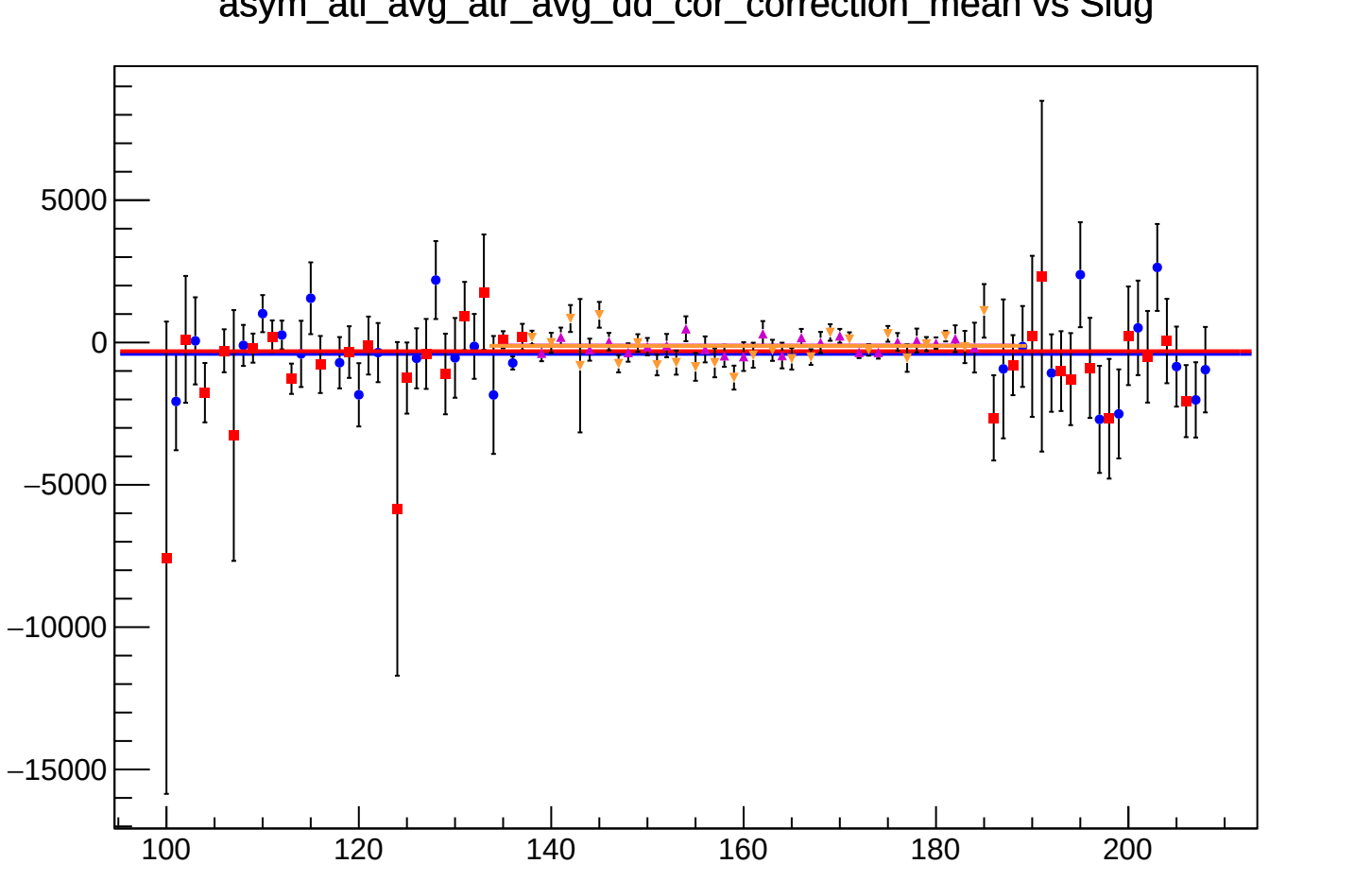
Right Out: 1283.817+/-0.228 χ^2/NDF: 507229.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1262.548+/-0.151 χ^2/NDF: 738174.0/51

All: 1262.854+/-0.108 χ^2/NDF: 1300127.0/10

- sign 1263.166+/-0.153 χ^2/NDF: 561944.7/53



Right In: -398.922+/-158.437 χ^2/NDF: 29.9/26

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

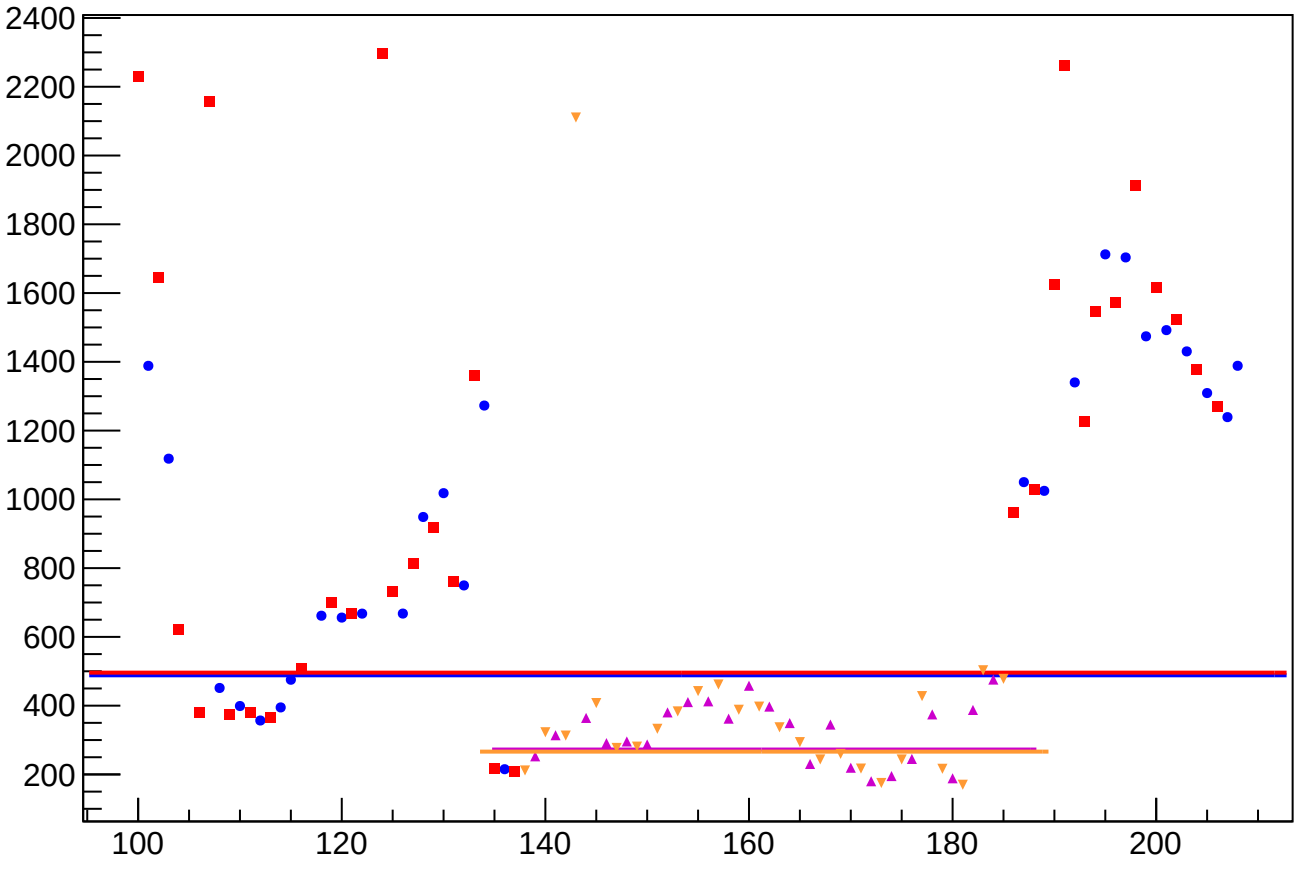
Right Out: -306.237+/-158.929 χ^2/NDF: 21.4/30

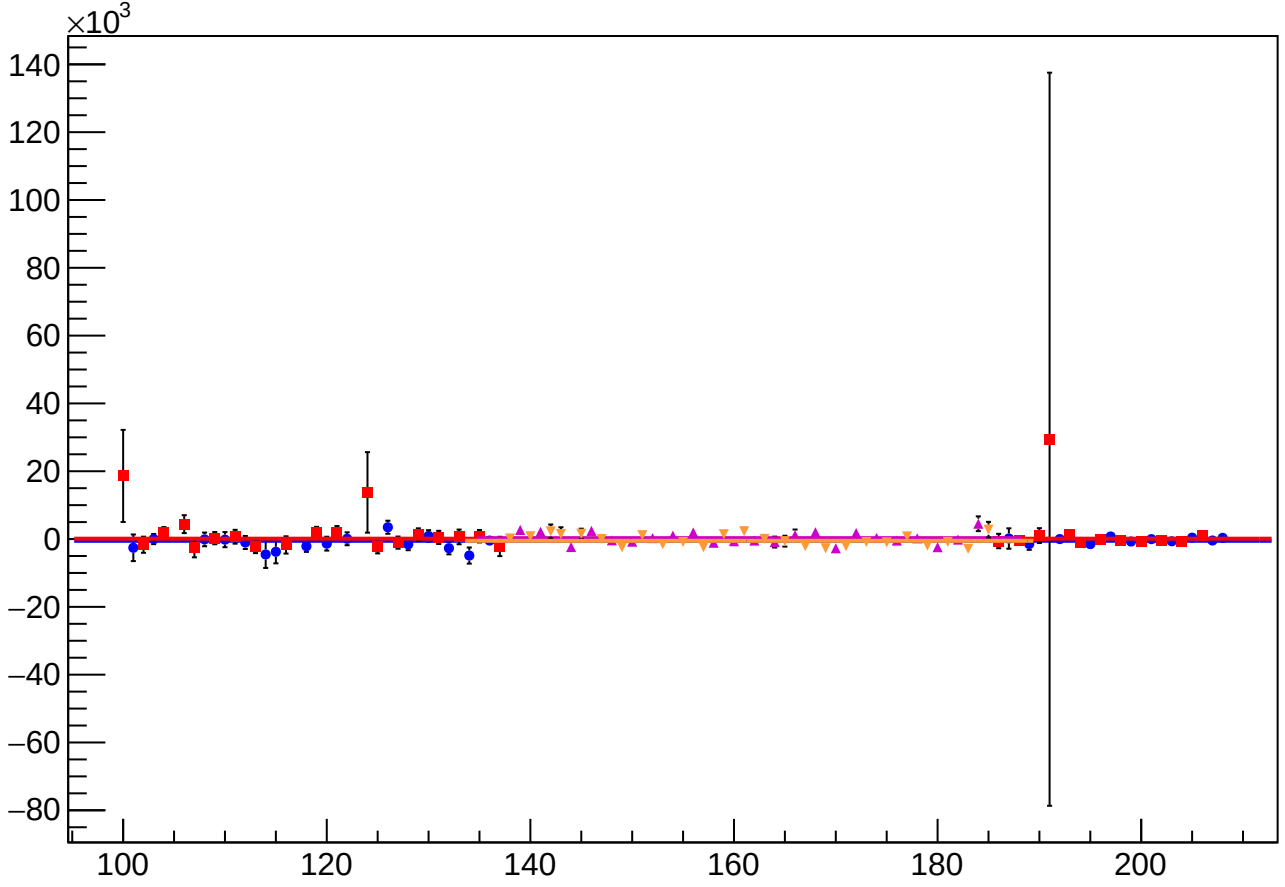
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -157.681+/-60.184 χ^2/NDF: 81.0/51

All: -147.827+/-43.096 χ^2/NDF: 117.5/105

- sign -137.458+/-61.740 χ^2/NDF: 36.4/53


asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 488.306+/-0.112 χ²/NDF: 12291734.8/26
Left Out: 266.326+/-0.046 χ²/NDF:4630167.4/24
Right Out: 496.037+/-0.112 χ²/NDF: 12302824.5/30
Left In: 272.378+/-0.047 χ²/NDF:2887597.1/22
+ sign 298.356+/-0.043 χ²/NDF: 20281333.5/51
All: 302.144+/-0.030 χ²/NDF: 38851218.9/10
- sign 306.131+/-0.044 χ²/NDF: 18553622.3/53



Right In: -507.337+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 105.587+/-322.696 χ^2/NDF: 19.7/30

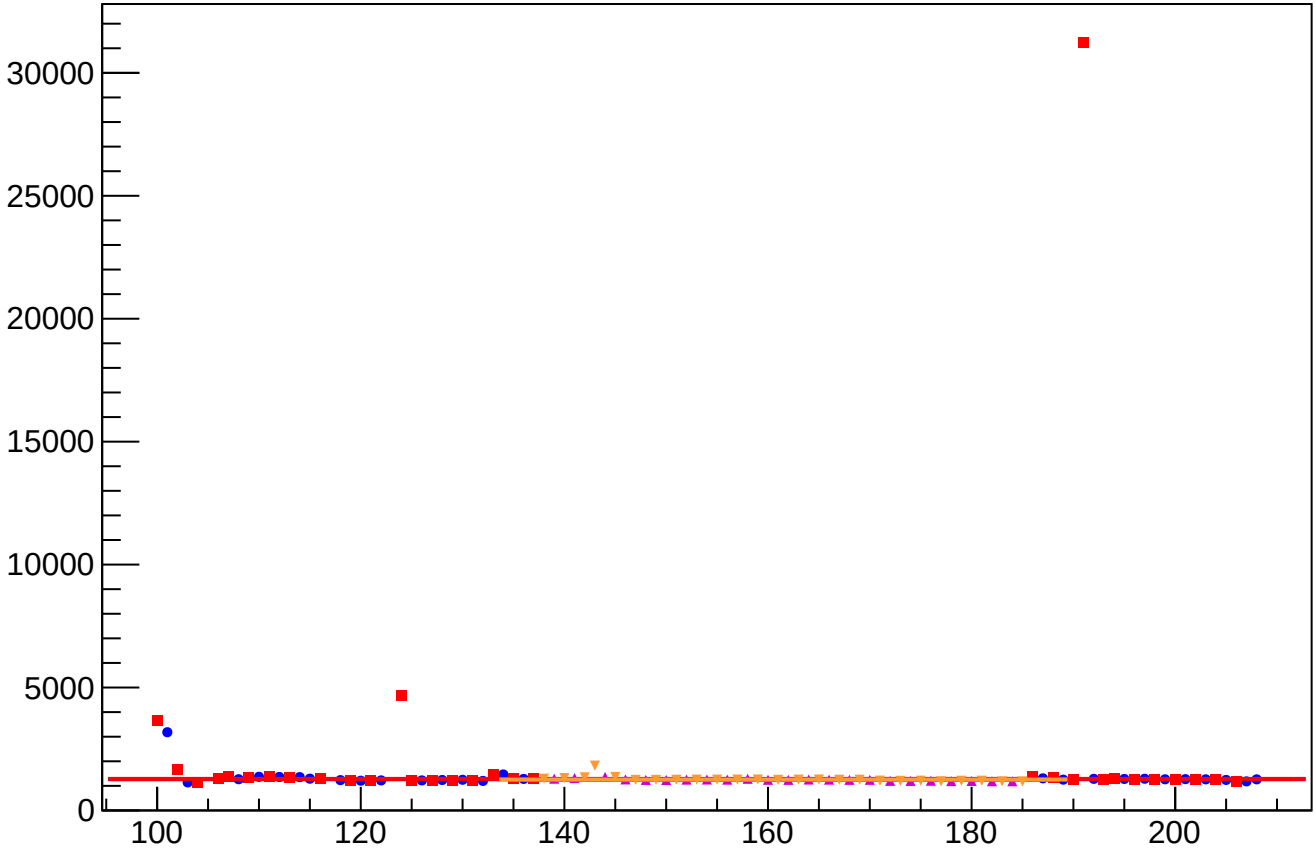
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -511.307+/-213.917 χ^2/NDF: 47.6/51

All: -168.716+/-152.054 χ^2/NDF: 104.6/105

- sign 181.147+/-216.176 χ^2/NDF: 51.8/53

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1271.489+/-0.228 χ^2/NDF: 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

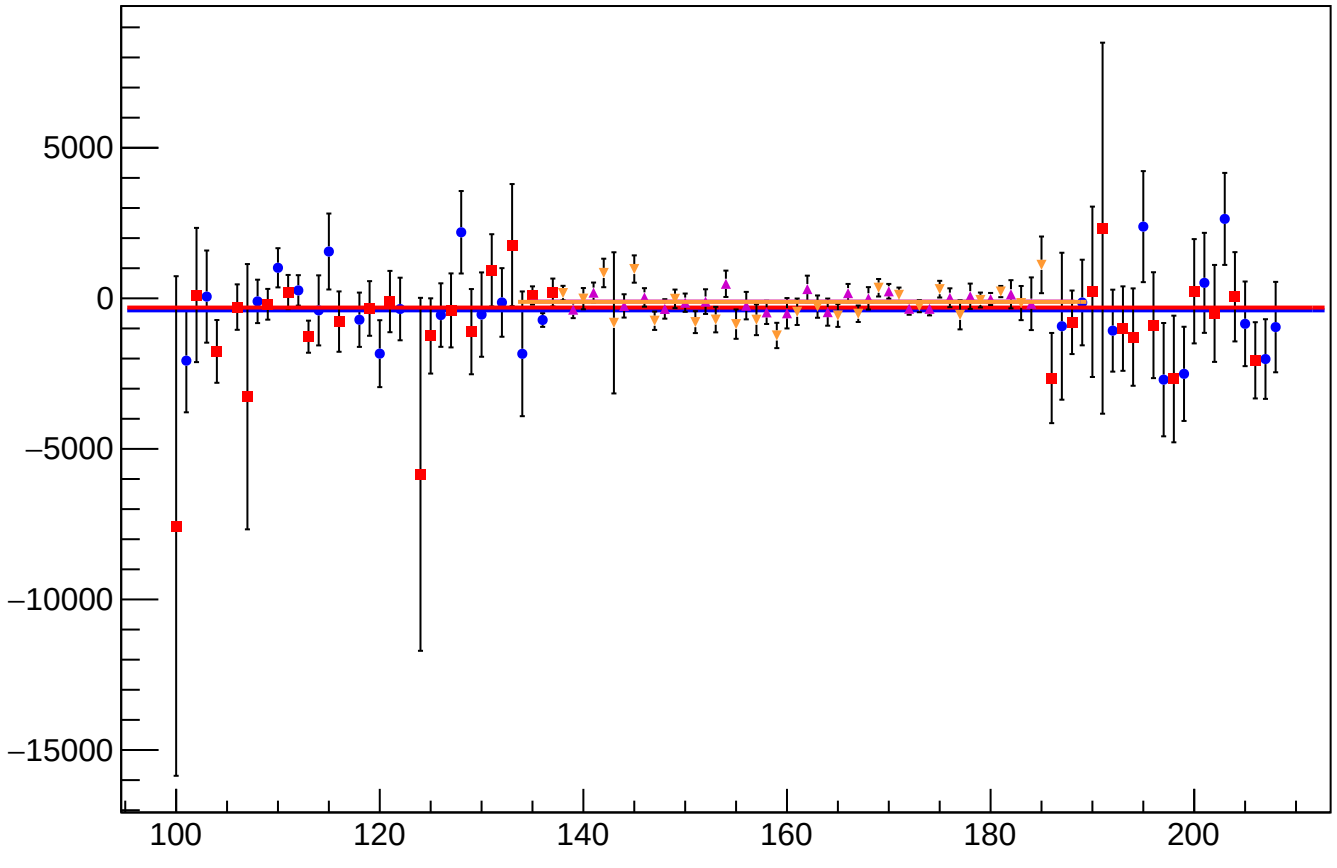
Right Out: 1283.817+/-0.228 χ^2/NDF: 507229.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1262.548+/-0.151 χ^2/NDF: 738174.0/51

All: 1262.854+/-0.108 χ^2/NDF: 1300127.0/10

- sign 1263.166+/-0.153 χ^2/NDF: 561944.7/53



Right In: -398.922+/-158.437 χ^2/NDF: 29.9/26

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

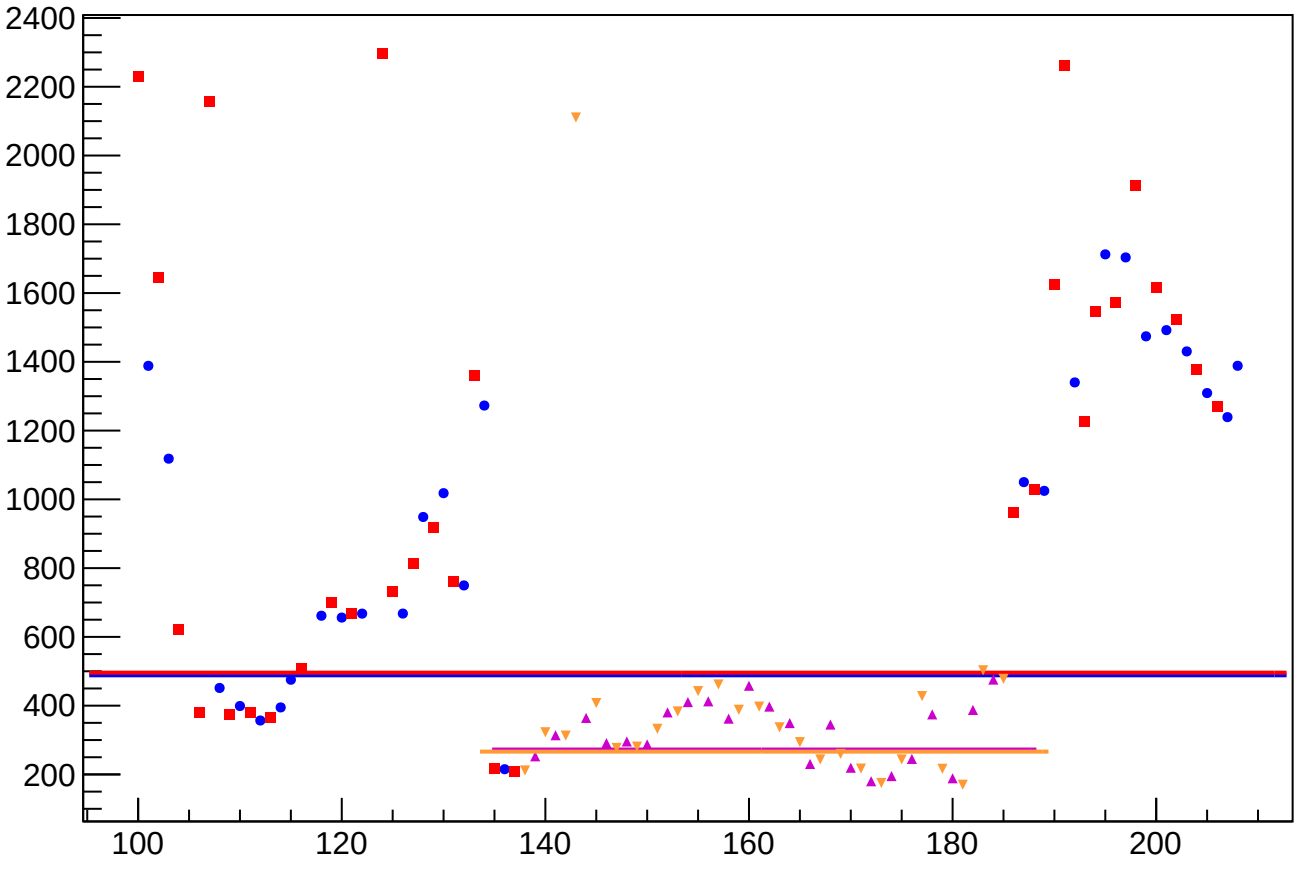
Right Out: -306.237+/-158.929 χ^2/NDF: 21.4/30

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -157.681+/-60.184 χ^2/NDF: 81.0/51

All: -147.827+/-43.096 χ^2/NDF: 117.5/105

- sign -137.458+/-61.740 χ^2/NDF: 36.4/53



Right In: 488.306+/-0.112 χ^2/NDF: 12291734.8/26

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

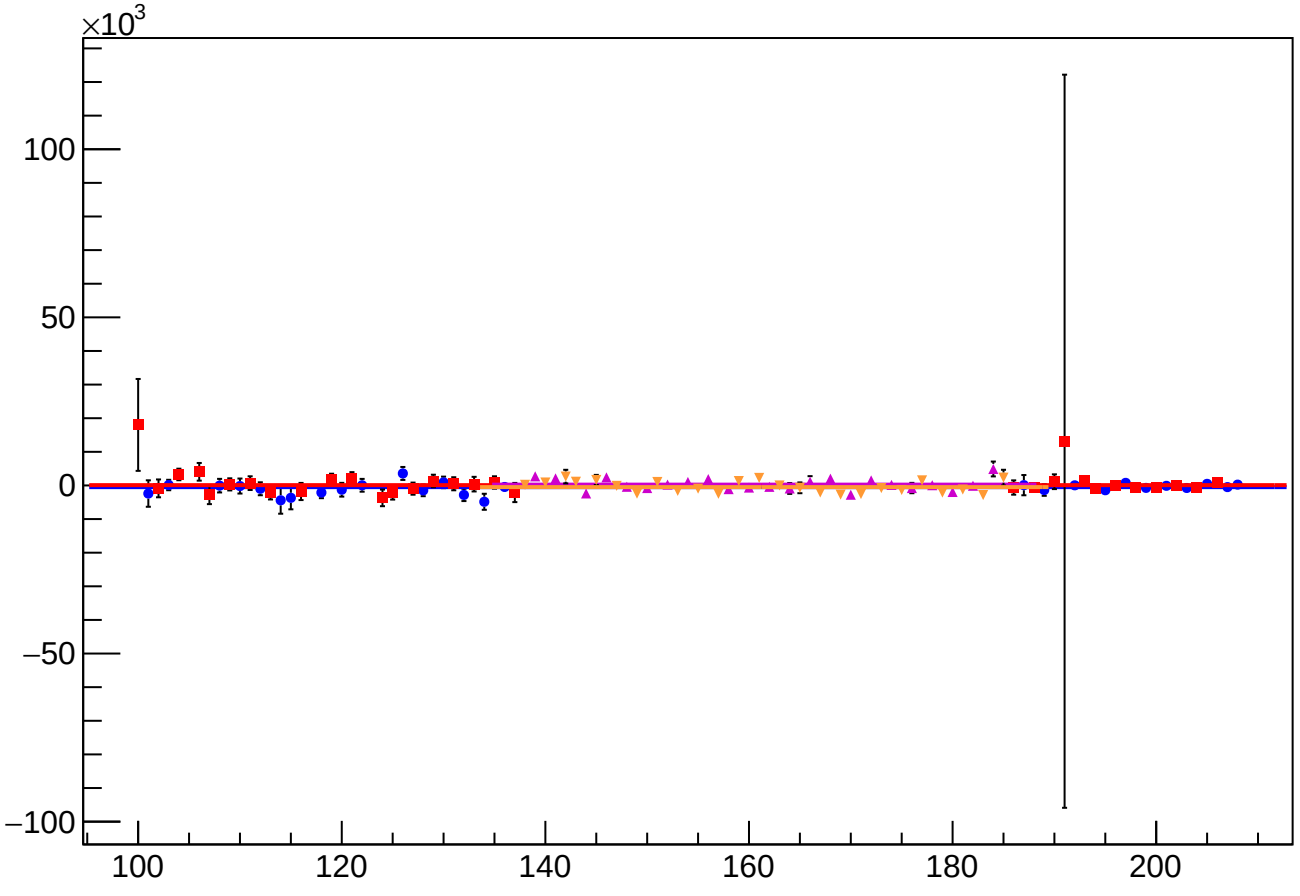
Right Out: 496.037+/-0.112 χ^2/NDF: 12302824.5/30

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 298.356+/-0.043 χ^2/NDF: 20281333.5/51

All: 302.144+/-0.030 χ^2/NDF: 38851218.9/10

- sign 306.131+/-0.044 χ^2/NDF: 18553622.3/53



Right In: -501.118+/-323.350 χ^2/NDF: 16.6/26

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 91.096+/-321.978 χ^2/NDF: 21.3/30

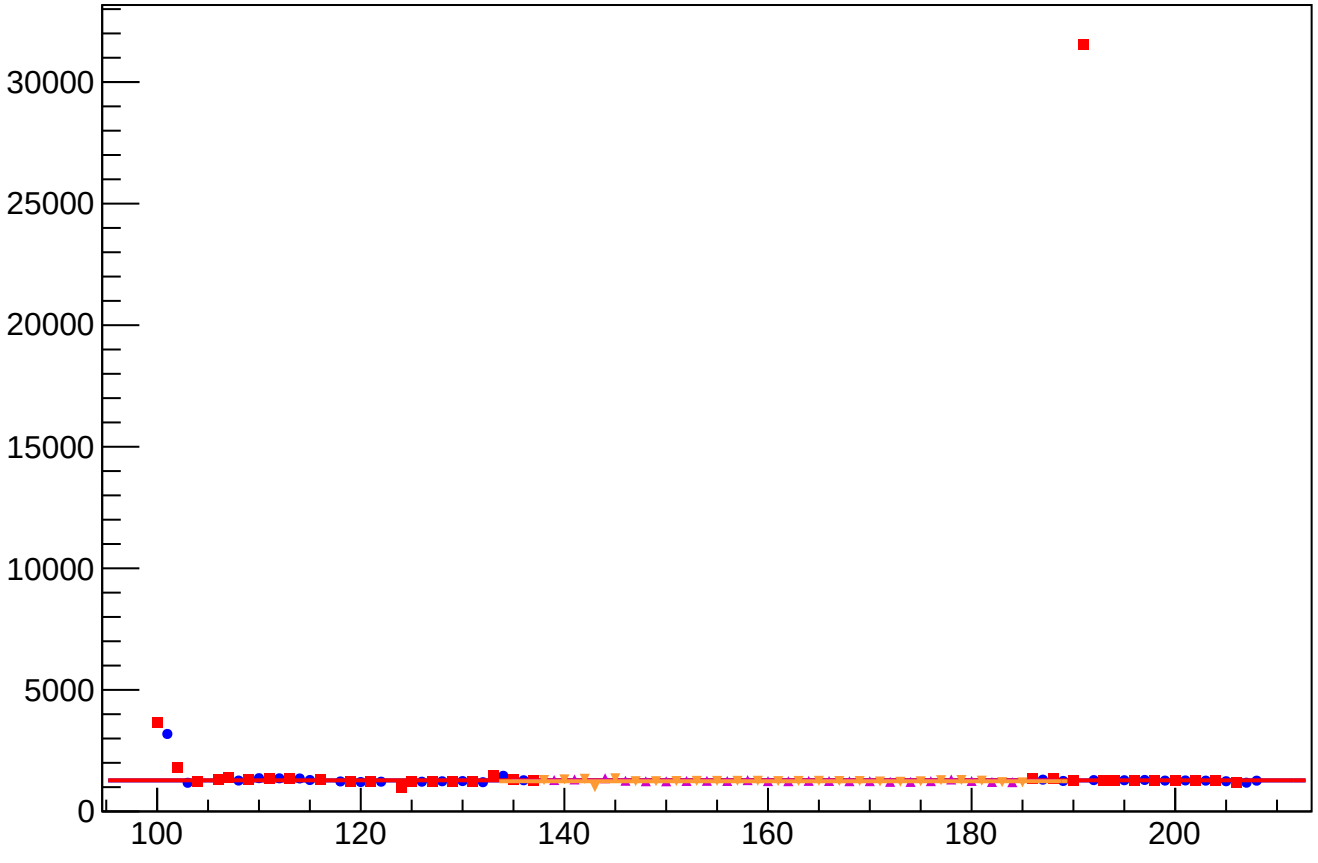
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -496.764+/-212.843 χ^2/NDF: 50.8/51

All: -168.587+/-152.035 χ^2/NDF: 107.8/105

- sign 173.304+/-217.244 χ^2/NDF: 52.1/53

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1275.447+/-0.229 χ^2/NDF: 525053.6/26

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

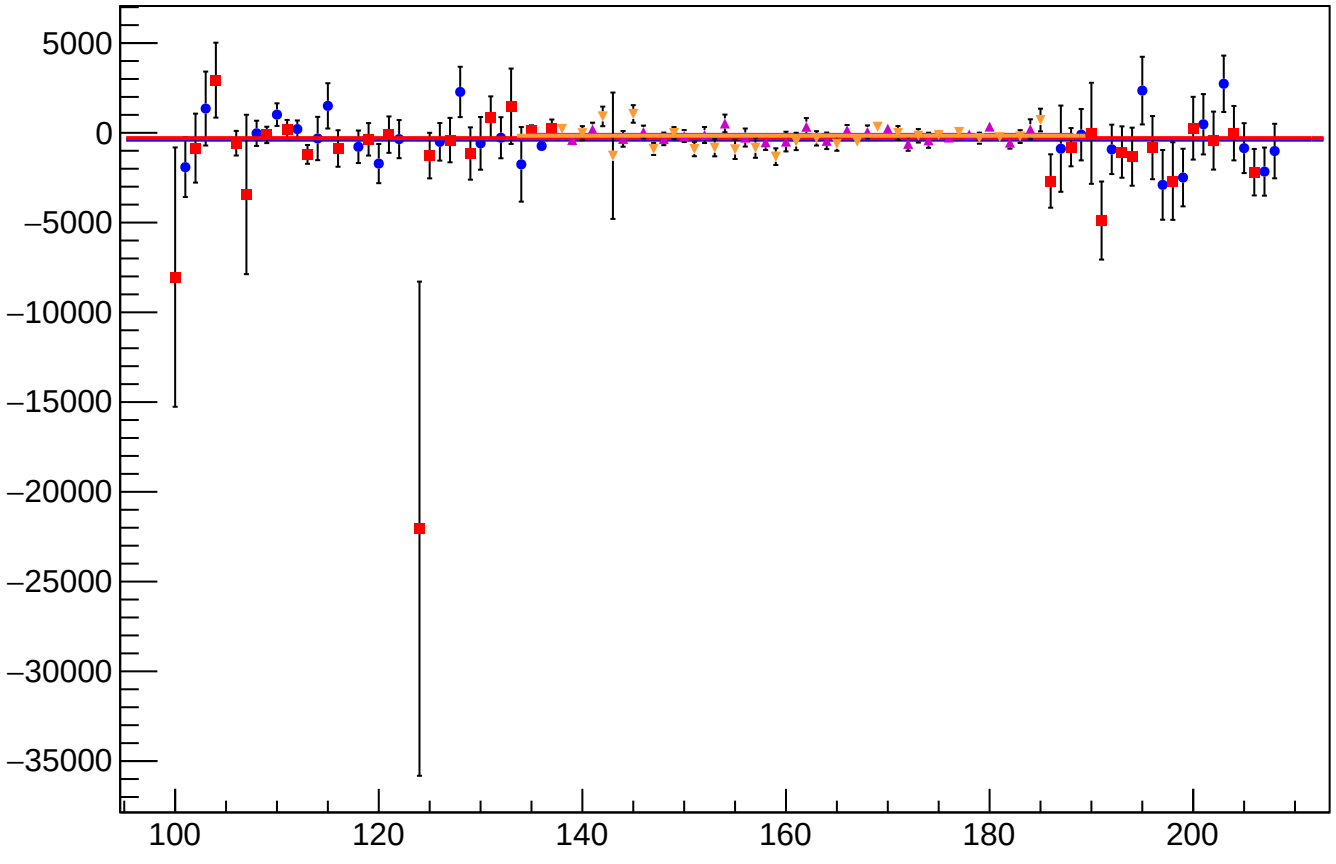
Right Out: 1281.036+/-0.228 χ^2/NDF: 387538.7/30

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1256.798+/-0.151 χ^2/NDF: 666815.8/51

All: 1263.081+/-0.108 χ^2/NDF: 1090454.8/10

- sign 1269.627+/-0.154 χ^2/NDF: 420079.8/53



Right In: -381.169+/-160.116 χ^2/NDF: 30.5/26

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: -296.054+/-158.992 χ^2/NDF: 28.1/30

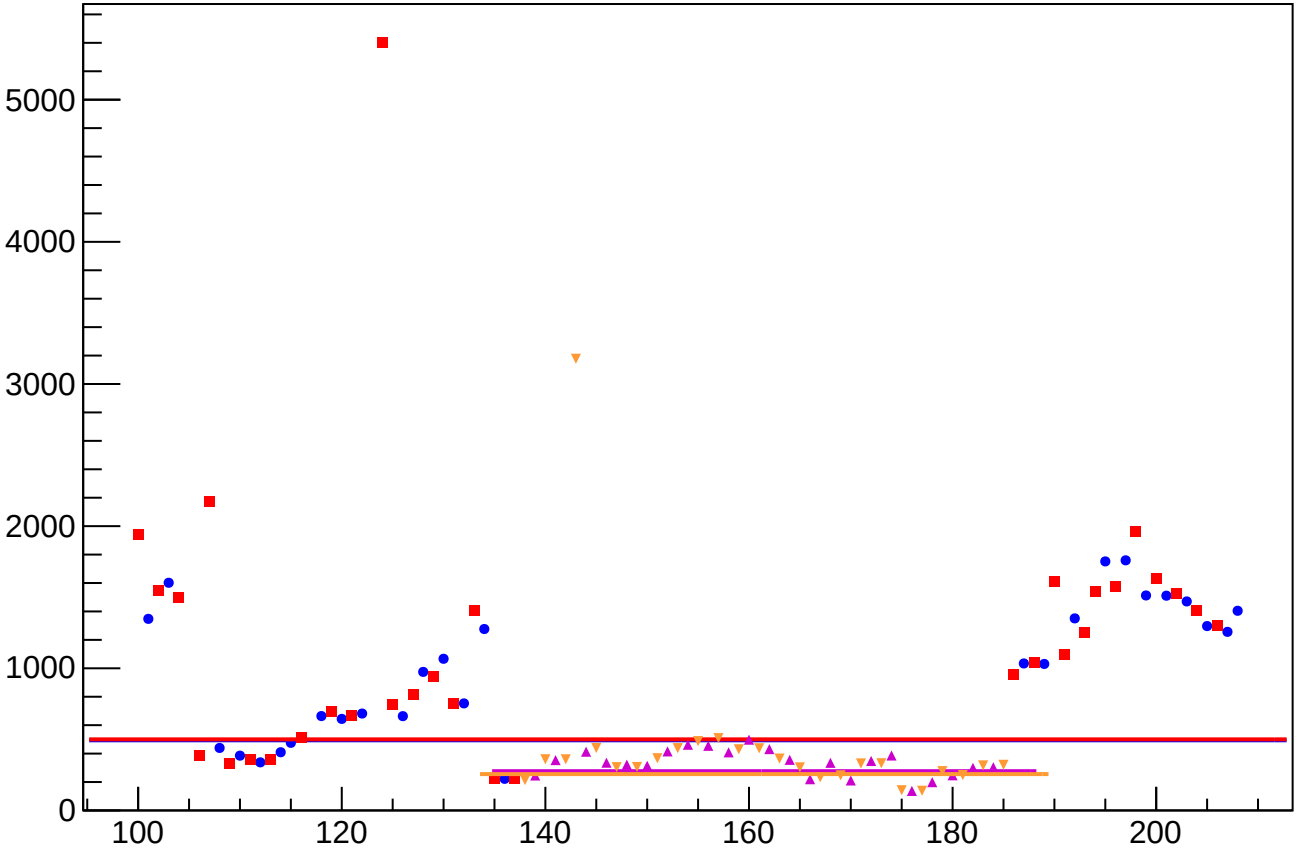
Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -191.378+/-59.535 χ^2/NDF: 75.8/51

All: -168.391+/-43.327 χ^2/NDF: 123.5/105

- sign -142.507+/-63.173 χ^2/NDF: 47.4/53

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



Right In: 493.620+/-0.113 χ^2/NDF: 12440299.7/26

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

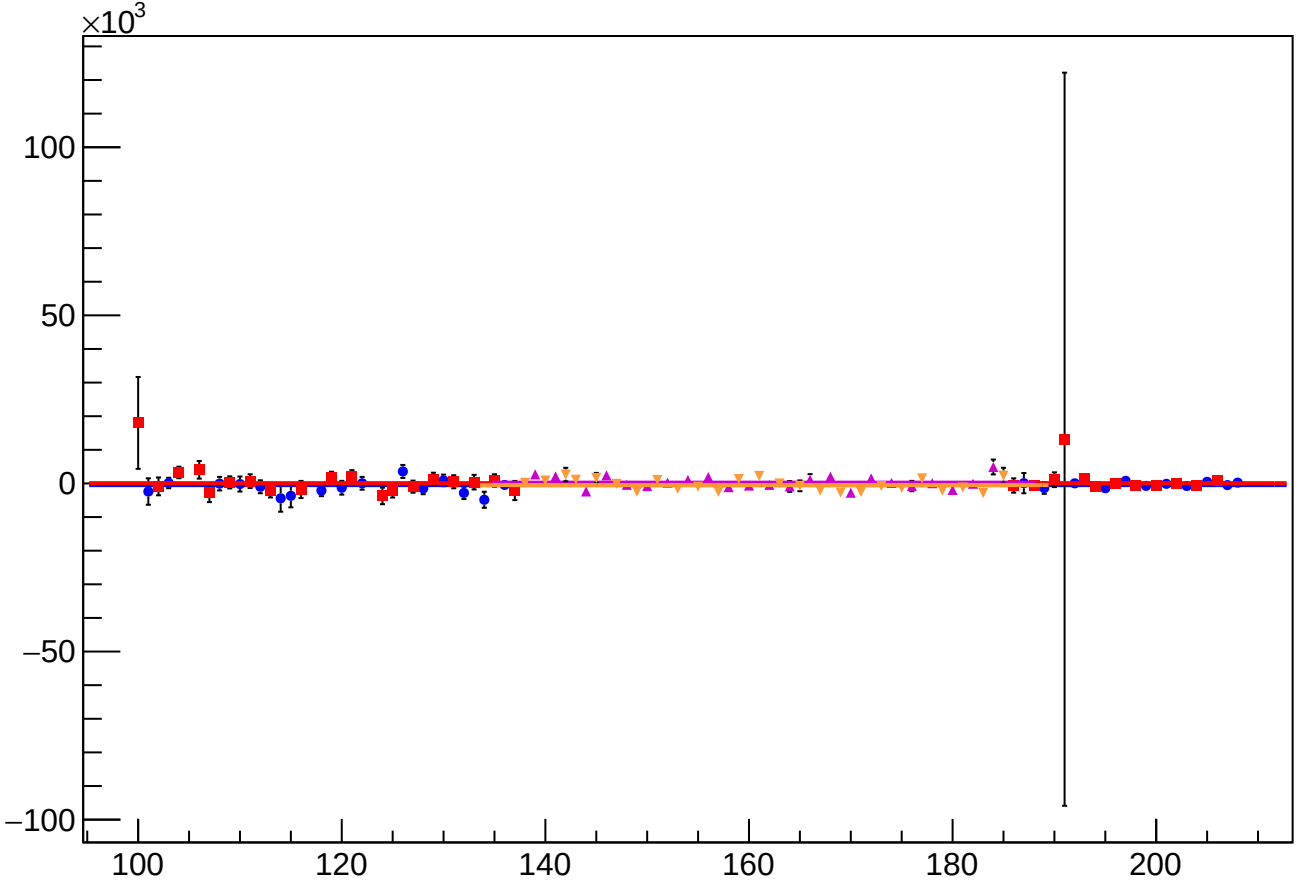
Right Out: 500.158+/-0.112 χ^2/NDF: 12831318.7/30

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 288.652+/-0.042 χ^2/NDF: 22617477.3/51

All: 299.465+/-0.031 χ^2/NDF: 42955415.4/10

- sign 311.640+/-0.045 χ^2/NDF: 20197667.3/53



Right In: -501.118+/-323.350 χ^2/NDF: 16.6/26

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 91.096+/-321.977 χ^2/NDF: 21.3/30

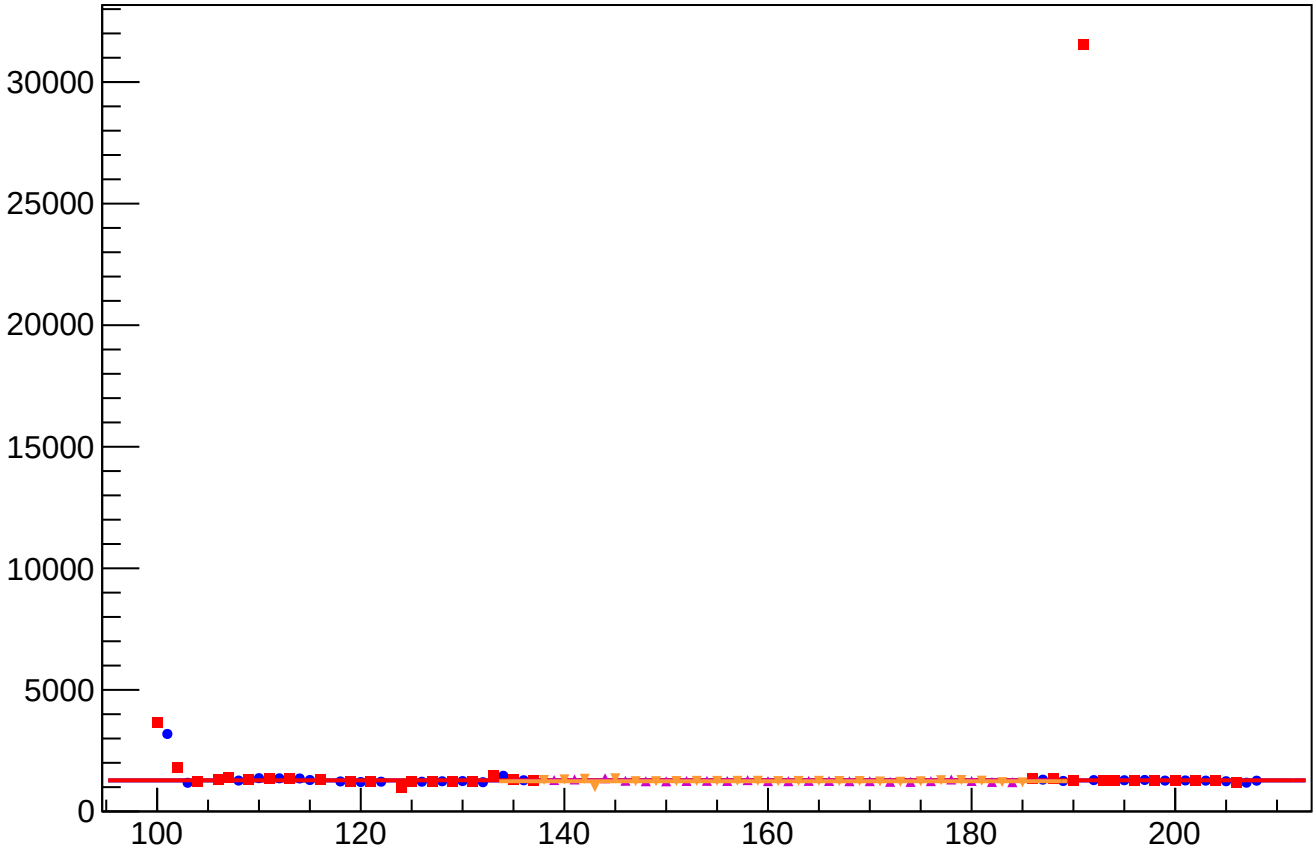
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -496.764+/-212.843 χ^2/NDF: 50.8/51

All: -168.586+/-152.035 χ^2/NDF: 107.8/105

- sign 173.303+/-217.244 χ^2/NDF: 52.1/53

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1275.447+/-0.229 χ^2/NDF: 525053.6/26

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

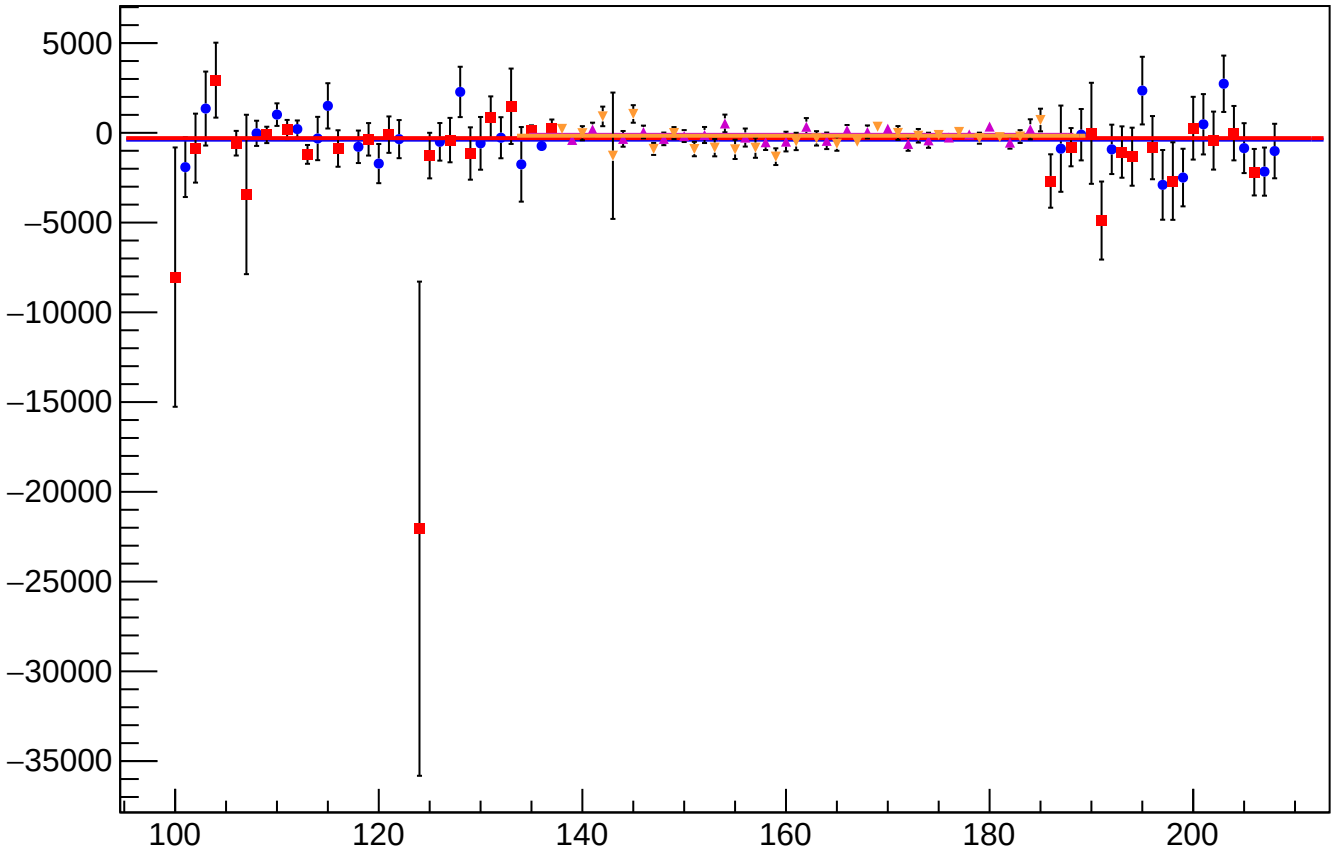
Right Out: 1281.036+/-0.228 χ^2/NDF: 387539.0/30

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1256.798+/-0.151 χ^2/NDF: 666814.9/51

All: 1263.081+/-0.108 χ^2/NDF: 1090454.2/10

- sign 1269.627+/-0.154 χ^2/NDF: 420080.2/53



Right In: -381.170+/-160.118 χ^2/NDF: 30.5/26

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

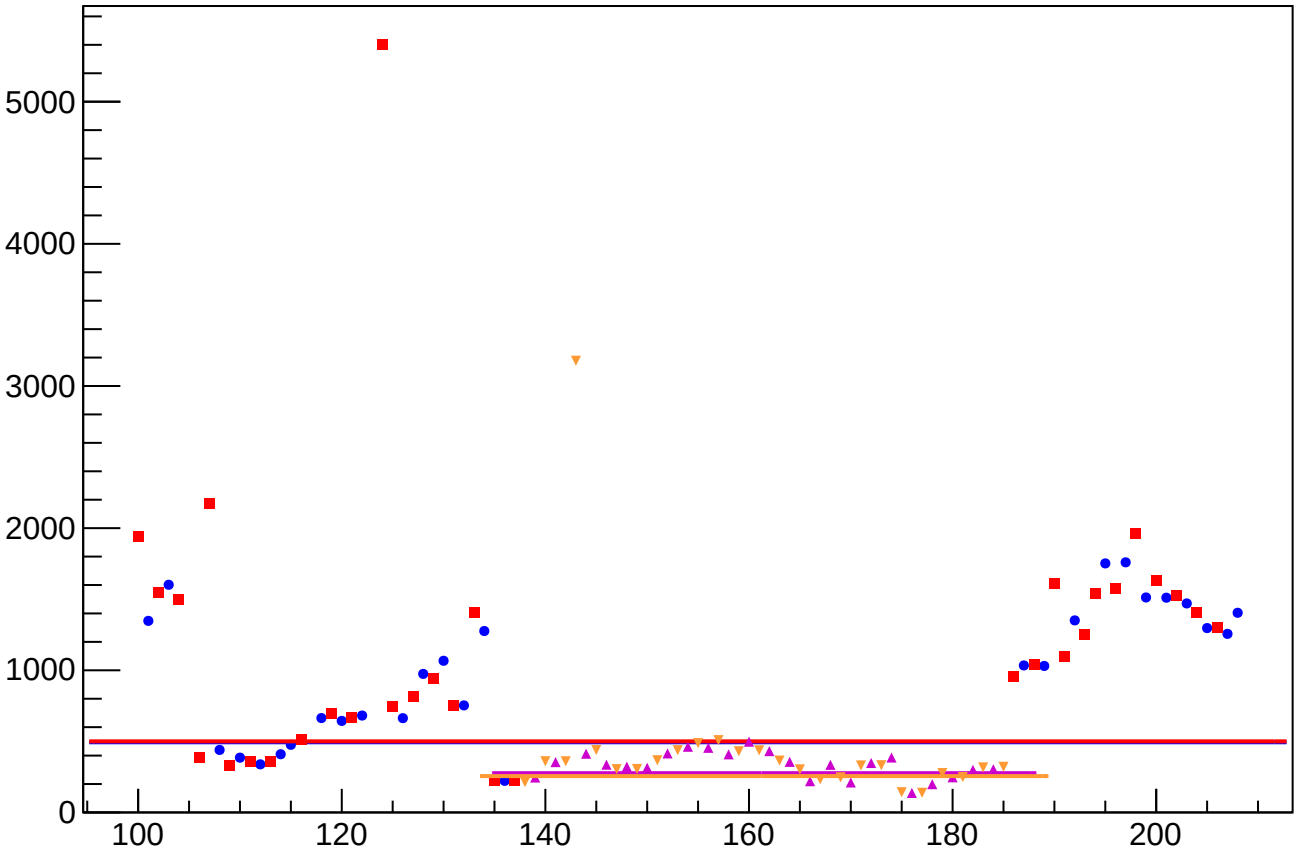
Right Out: -296.062+/-158.993 χ^2/NDF: 28.1/30

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -191.381+/-59.535 χ^2/NDF: 75.8/51

All: -168.392+/-43.327 χ^2/NDF: 123.5/105

- sign -142.507+/-63.173 χ^2/NDF: 47.4/53



Right In: 493.632+/-0.113 χ^2/NDF: 12439931.8/26

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 500.167+/-0.112 χ^2/NDF: 12831032.7/30

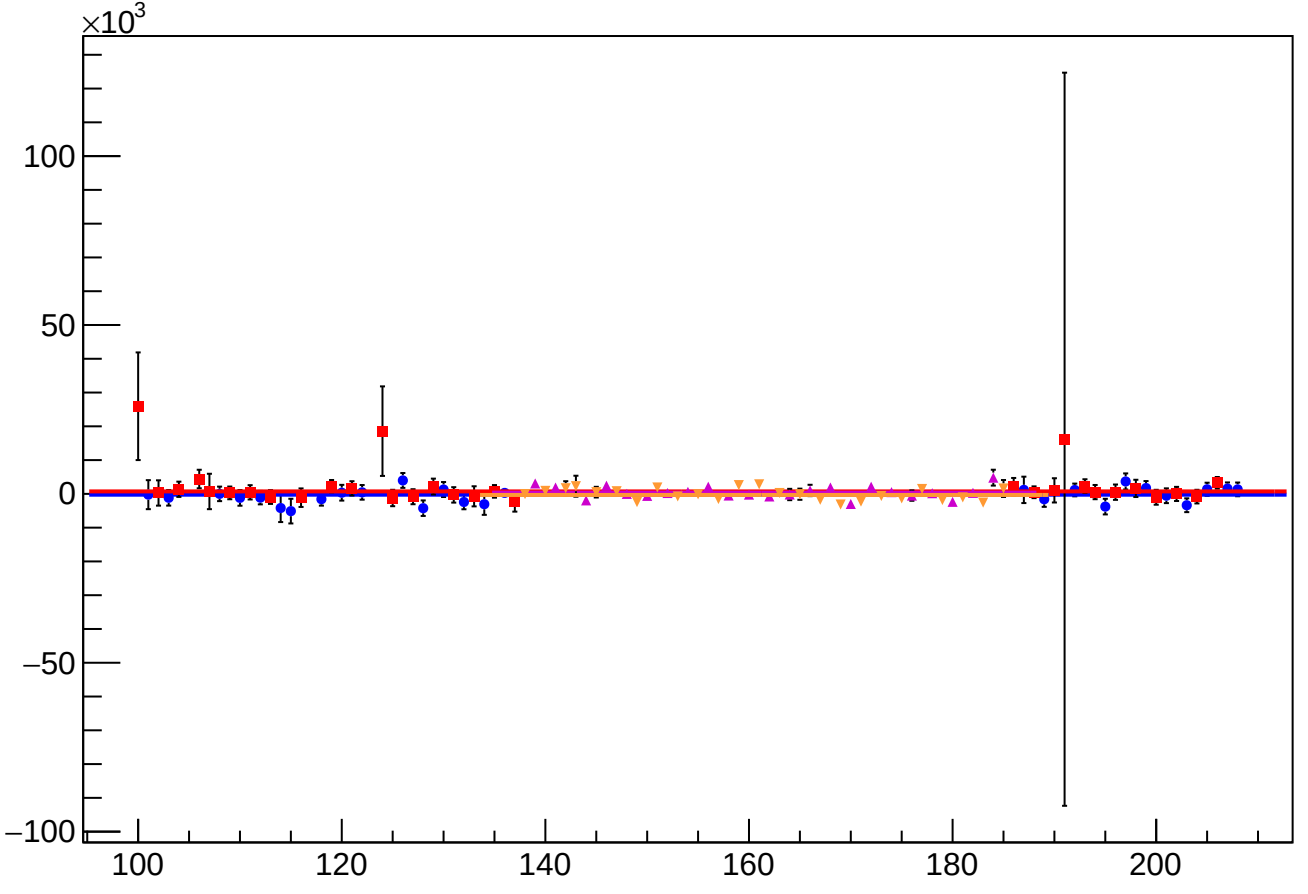
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 288.654+/-0.042 χ^2/NDF: 22617258.1/51

All: 299.467+/-0.031 χ^2/NDF: 42955063.7/10

- sign 311.642+/-0.045 χ^2/NDF: 20197546.6/53

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -242.290+/-424.968 χ^2/NDF: 24.6/26

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 731.385+/-426.611 χ^2/NDF: 15.9/30

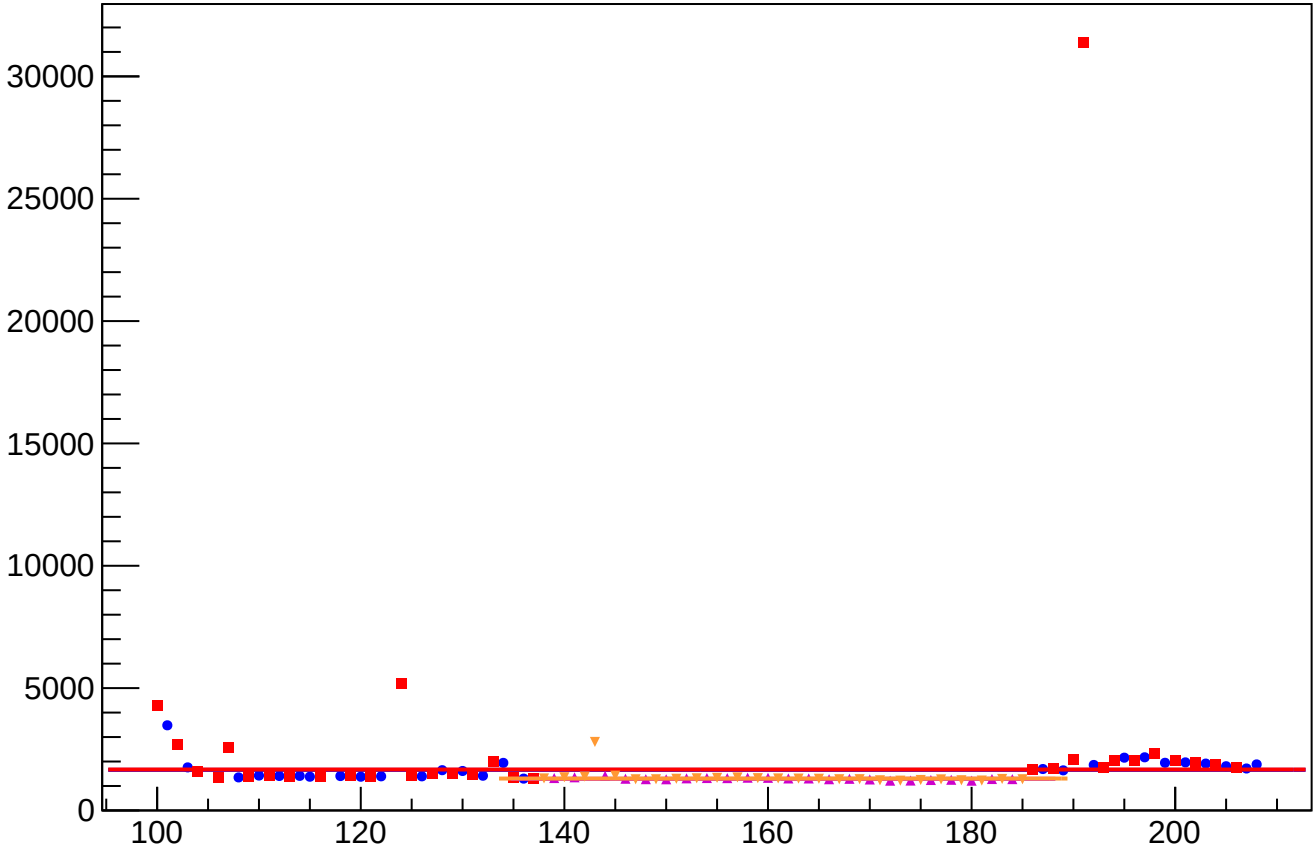
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

\+ sign -294.181+/-244.139 χ^2/NDF: 56.2/51

All: 90.037+/-173.439 χ^2/NDF: 107.3/105

\- sign 481.520+/-246.436 χ^2/NDF: 46.1/53

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1658.400+/-0.300 χ^2/NDF: 1129924.5/26

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

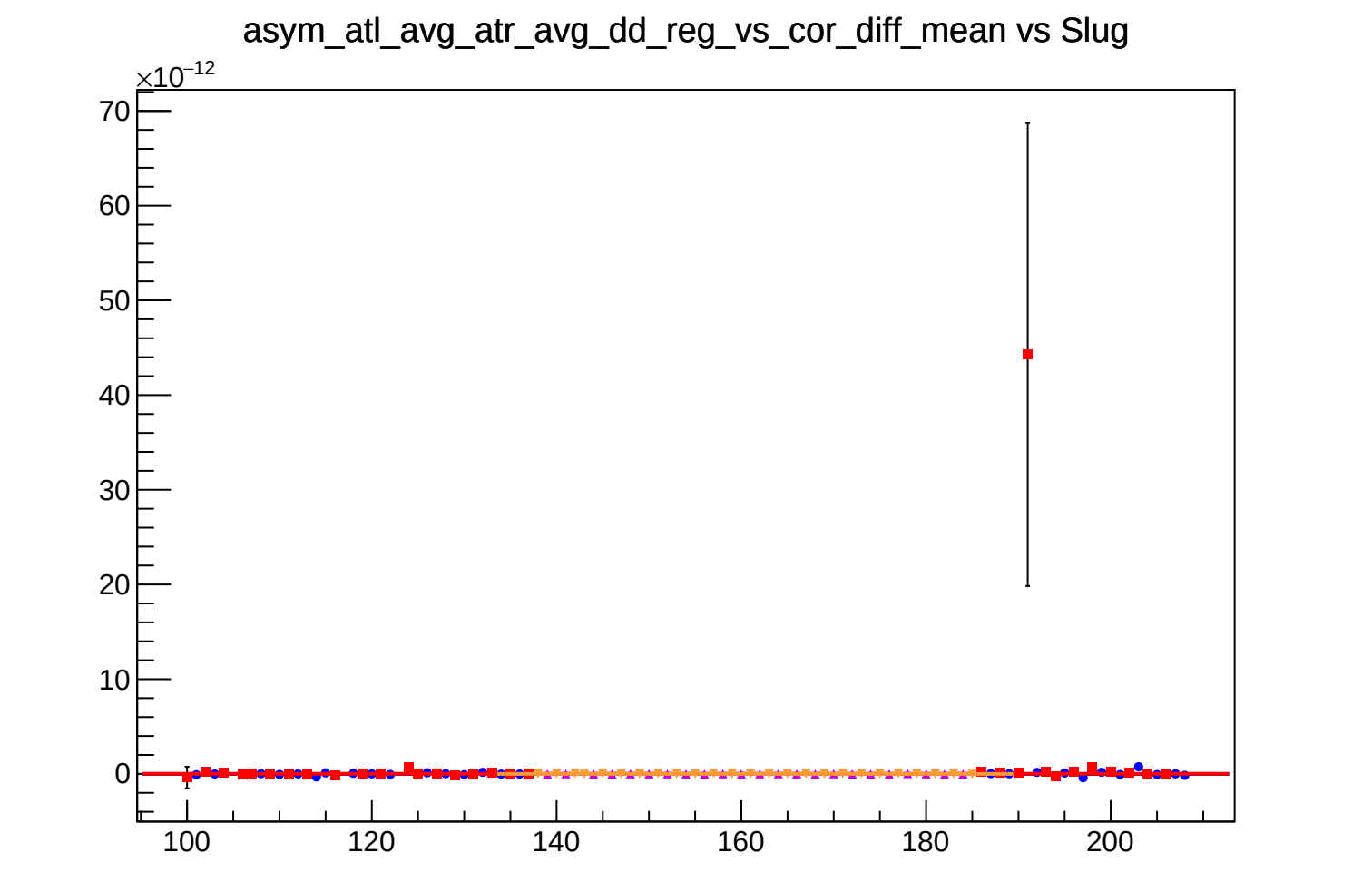
Right Out: 1672.588+/-0.302 χ^2/NDF: 1374227.9/30

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1421.069+/-0.173 χ^2/NDF: 2580588.3/51

All: 1420.085+/-0.123 χ^2/NDF: 5063142.6/10

- sign 1419.081+/-0.174 χ^2/NDF: 2482488.7/53



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

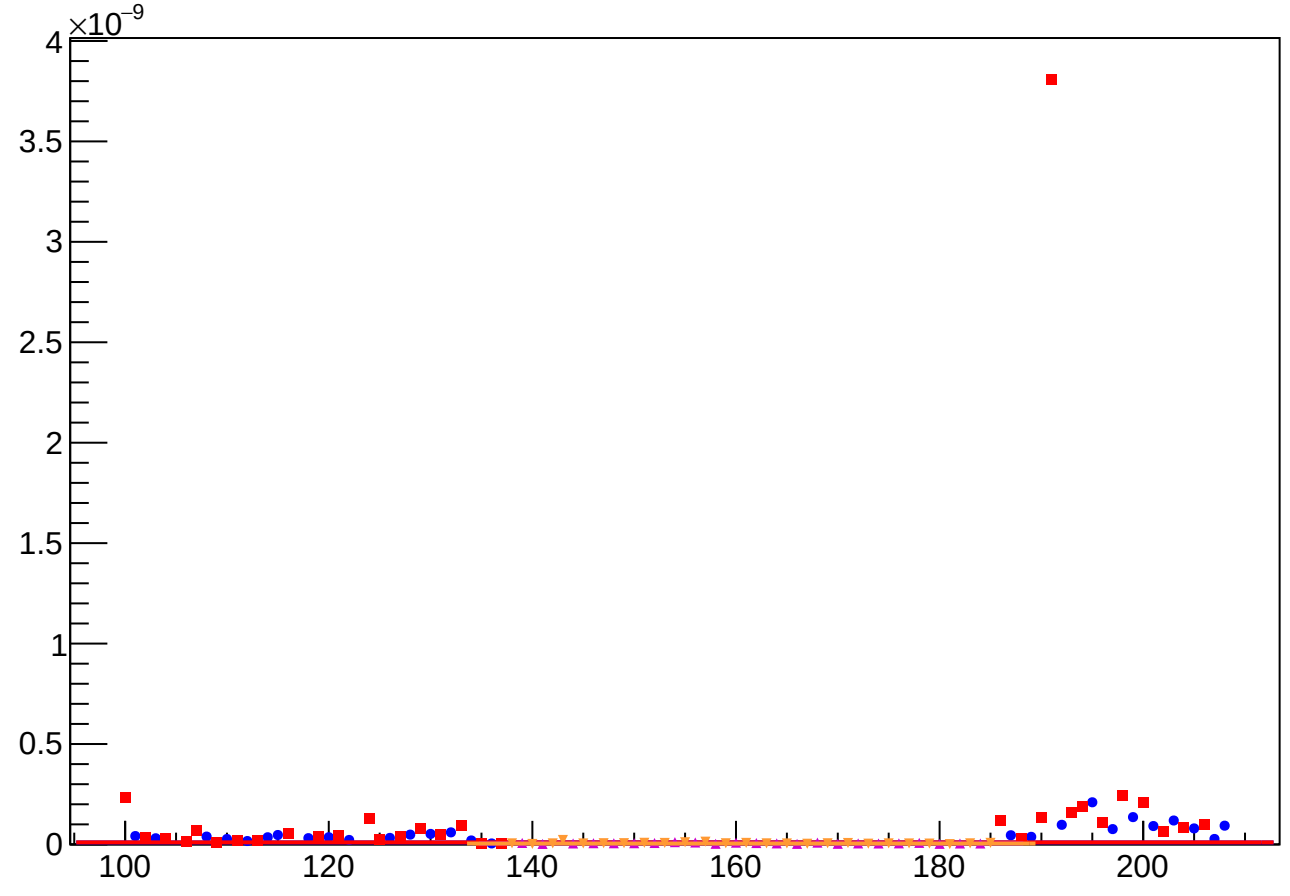
Right Out: 0.000+/-0.000 χ^2/NDF: 37.2/30

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.2/51

All: 0.000+/-0.000 χ^2/NDF: 125.7/105

- sign 0.000+/-0.000 χ^2/NDF: 69.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 7460981.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

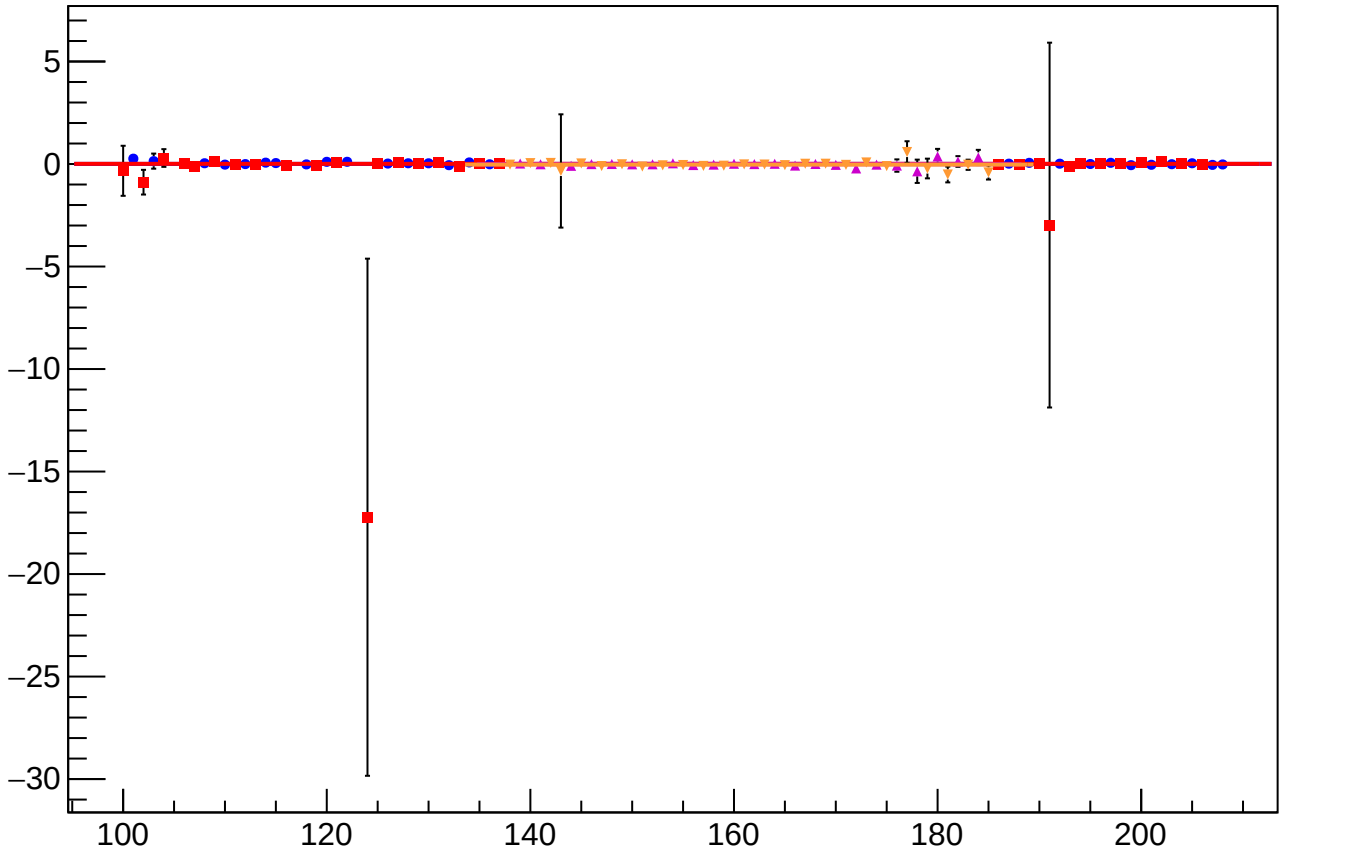
Right Out: 0.000+/-0.000 χ^2/NDF: 9284599.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11194690.2/51

All: 0.000+/-0.000 χ^2/NDF: 23319887.0/105

- sign 0.000+/-0.000 χ^2/NDF: 12102161.2/53



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.009+/-0.012 χ^2/NDF: 22.6/30

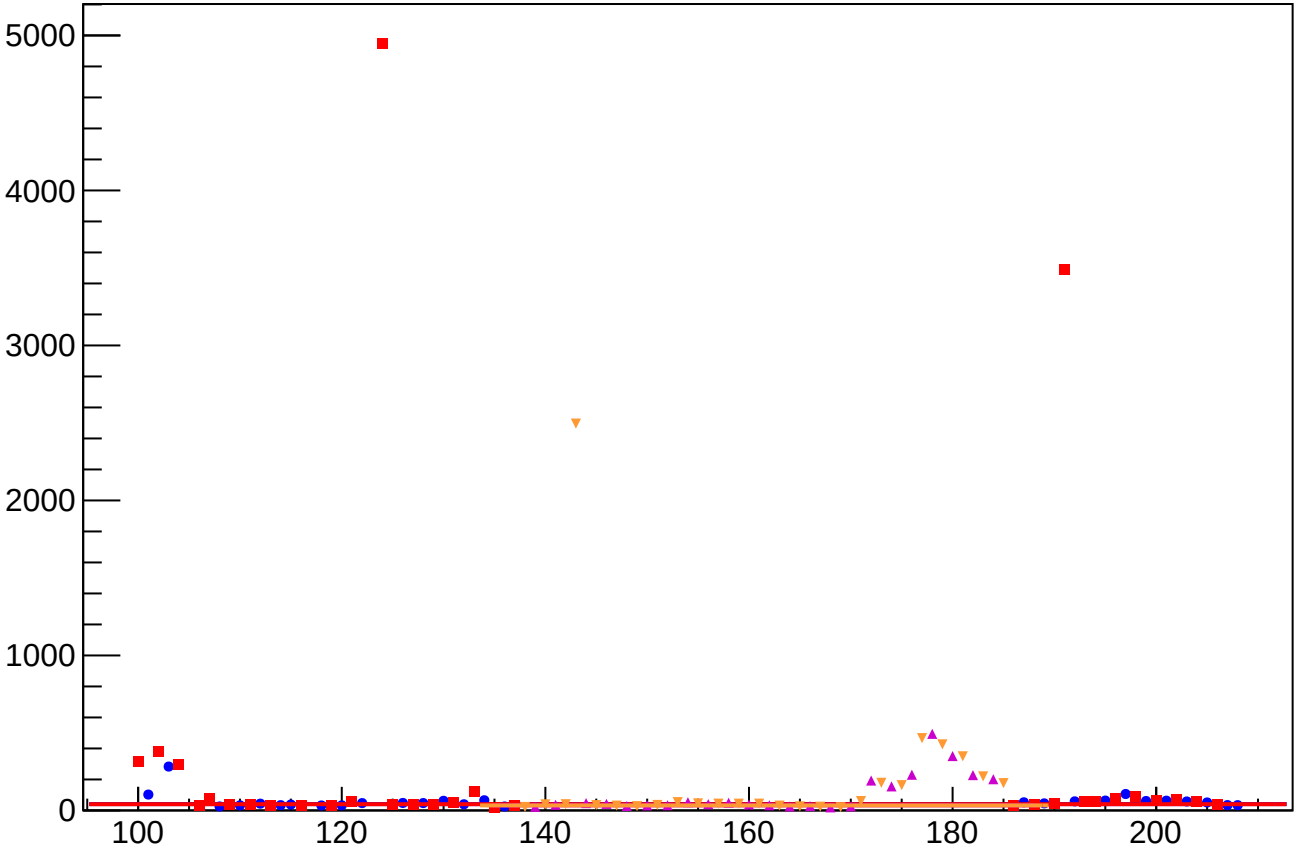
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.1/51

All: -0.009+/-0.005 χ^2/NDF: 87.9/105

- sign -0.003+/-0.007 χ^2/NDF: 37.5/53

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.030+/-0.008 χ^2/NDF: 4131783.1/26

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

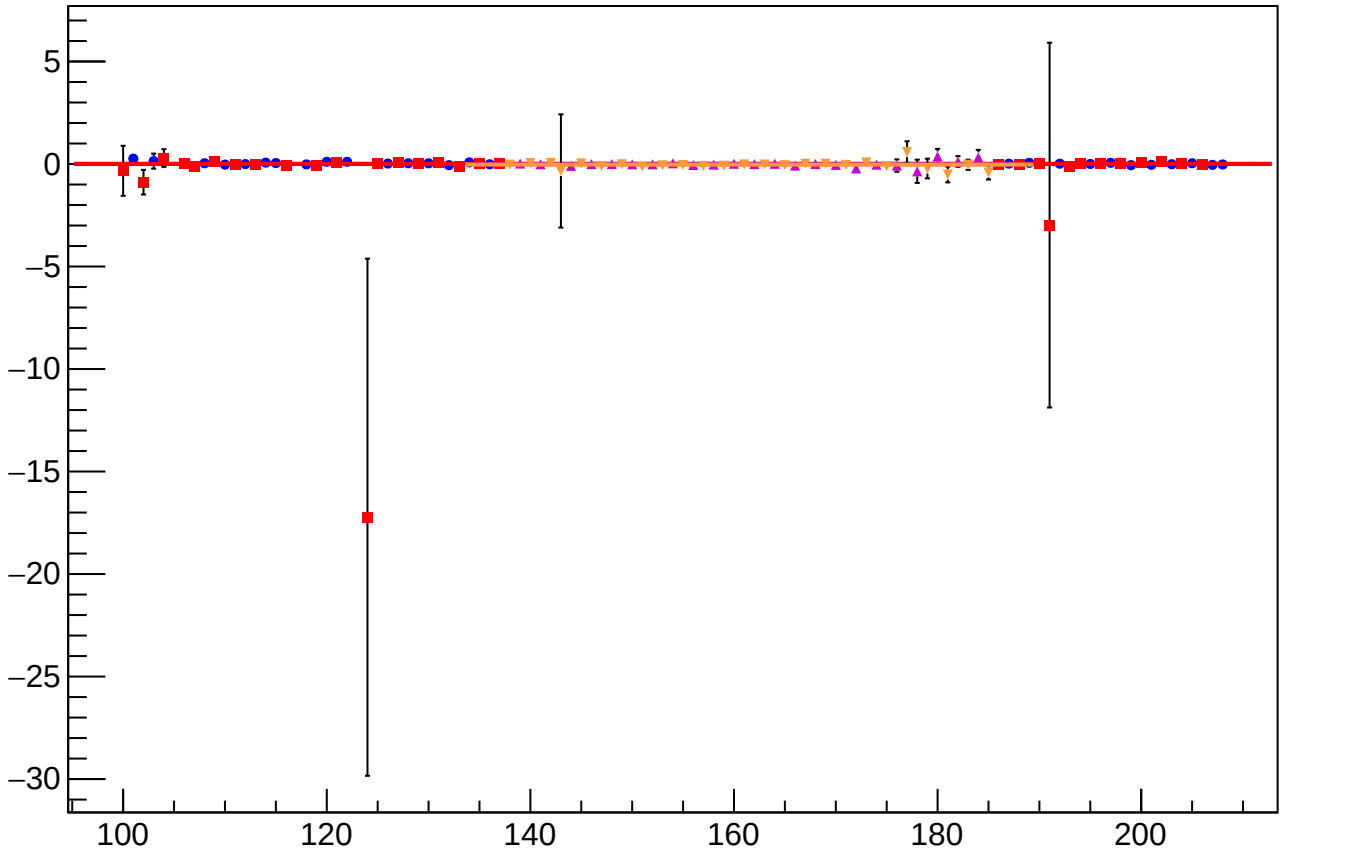
Right Out: 40.367+/-0.008 χ^2/NDF: 5416368.0/30

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.868+/-0.005 χ^2/NDF: 15624607.1/51

All: 35.803+/-0.004 χ^2/NDF: 30511693.6/105

- sign 35.738+/-0.005 χ^2/NDF: 14886780.8/53



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.009+/-0.012 χ^2/NDF: 22.6/30

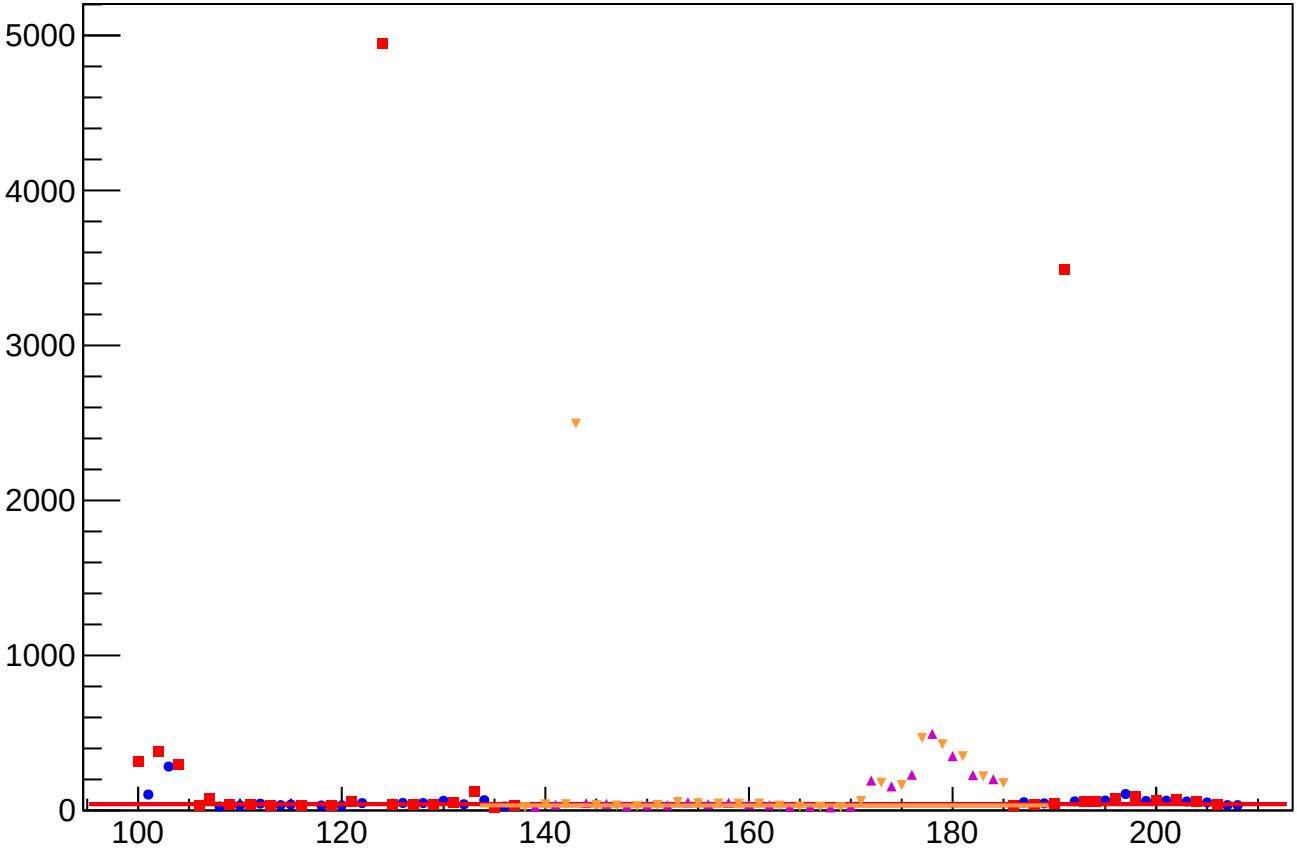
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.1/51

All: -0.009+/-0.005 χ^2/NDF: 87.9/105

- sign -0.003+/-0.007 χ^2/NDF: 37.5/53

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.030+/-0.008 χ^2/NDF: 4131783.1/26

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

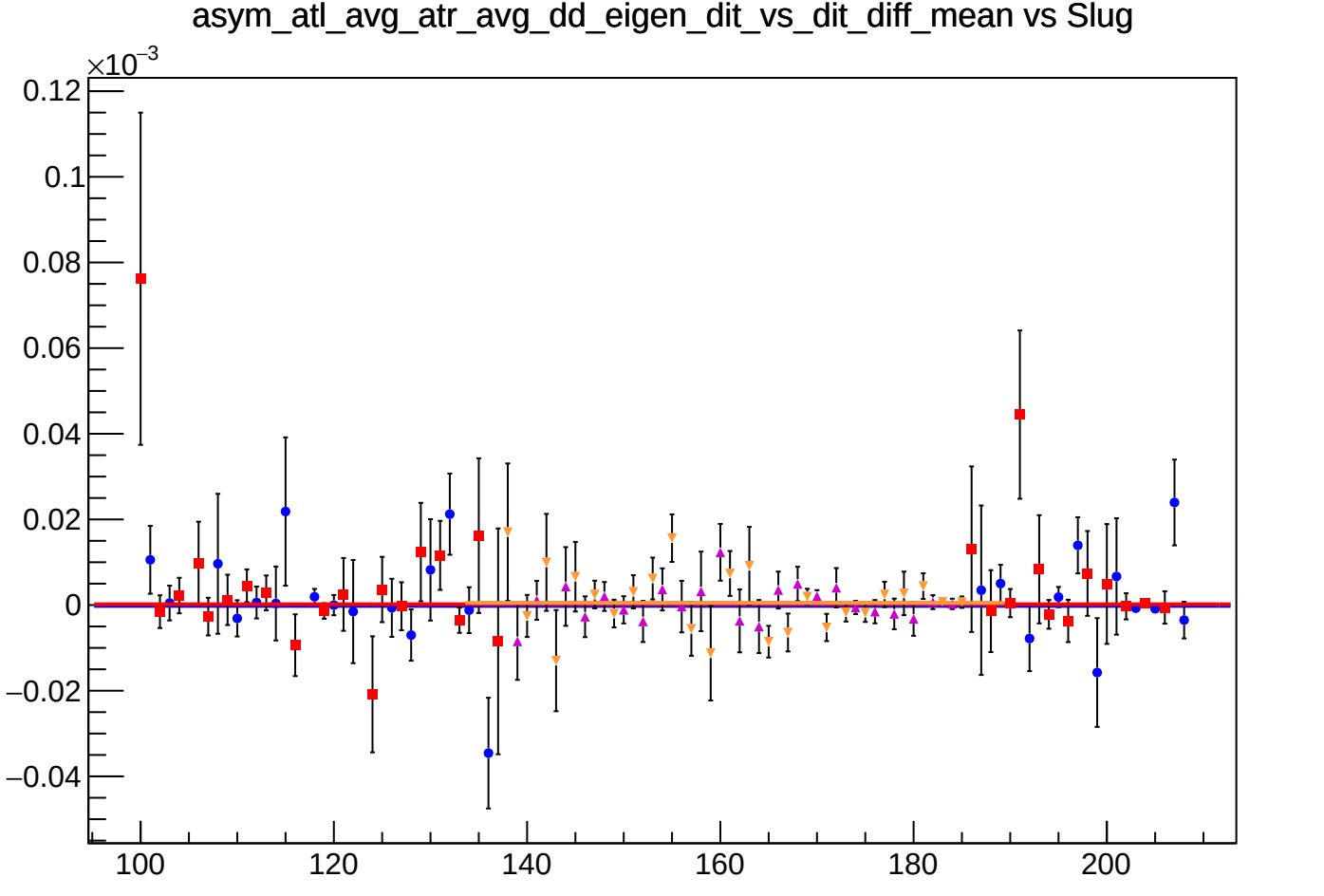
Right Out: 40.367+/-0.008 χ^2/NDF: 5416368.0/30

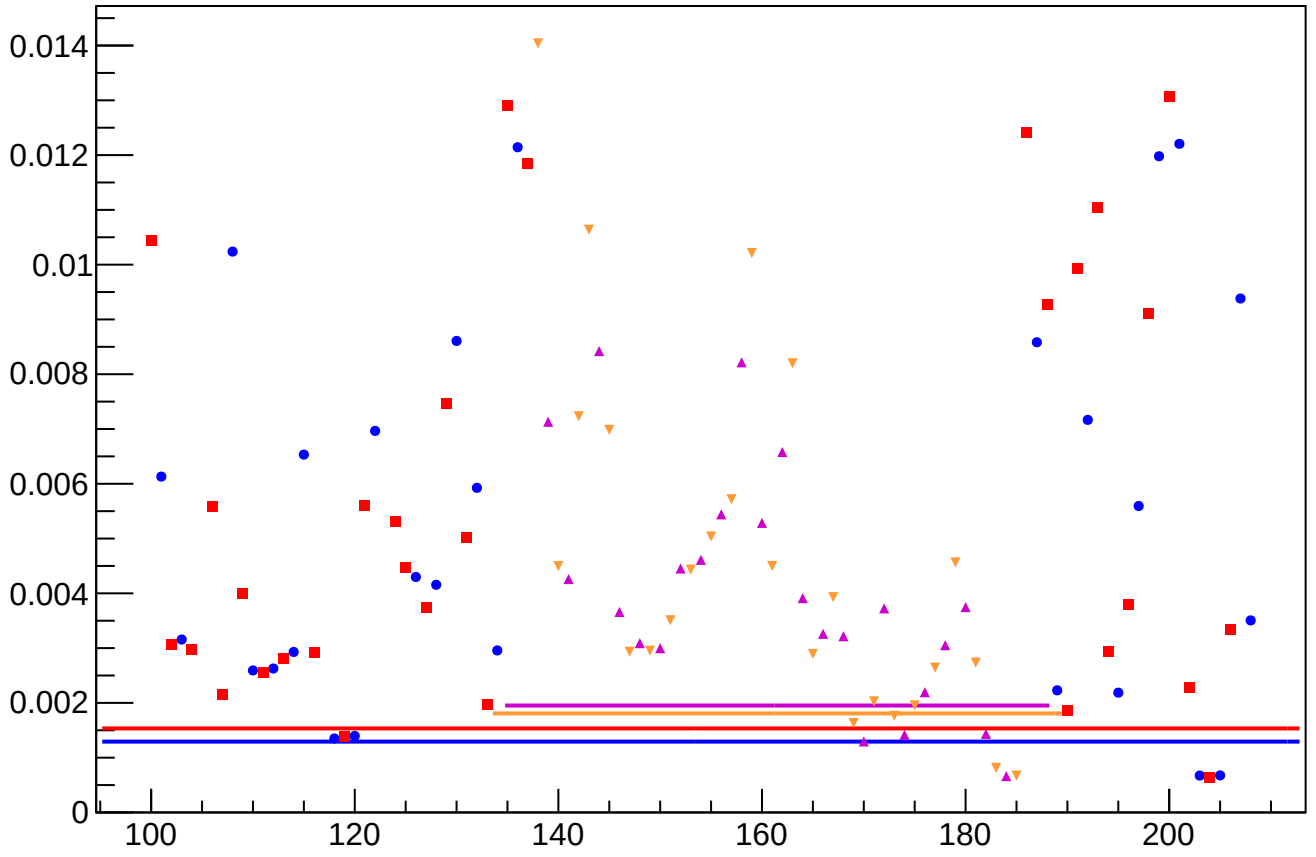
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.868+/-0.005 χ^2/NDF: 15624607.1/51

All: 35.803+/-0.004 χ^2/NDF: 30511693.6/105

- sign 35.738+/-0.005 χ^2/NDF: 14886780.8/53


asym_atl_avg_atr_avg_dd_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
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 36.8/26
Left Out: 0.000+/-0.000 χ²/NDF:35.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 26.1/30
Left In: 0.000+/-0.000 χ²/NDF:13.7/22
+ sign 0.000+/-0.000 χ²/NDF: 73.3/51
All: 0.000+/-0.000 χ²/NDF: 113.4/105
- sign 0.000+/-0.000 χ²/NDF: 39.9/53



Right In: 0.001+/-0.000 χ^2/NDF: 15872879.1/26

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

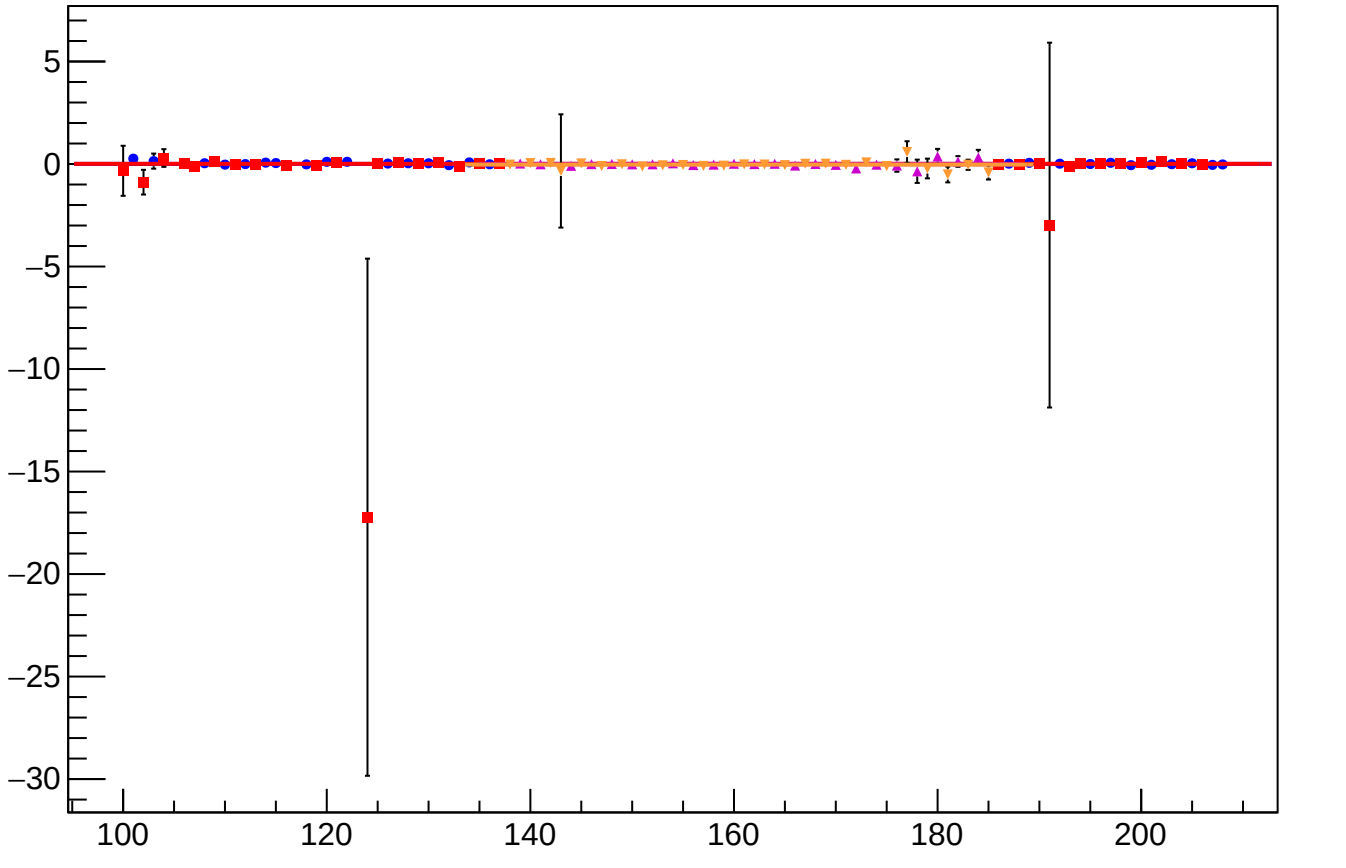
Right Out: 0.002+/-0.000 χ^2/NDF: 15411552.5/30

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 31755158.4/51

All: 0.002+/-0.000 χ^2/NDF: 59433681.6/105

- sign 0.002+/-0.000 χ^2/NDF: 27417185.8/53



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

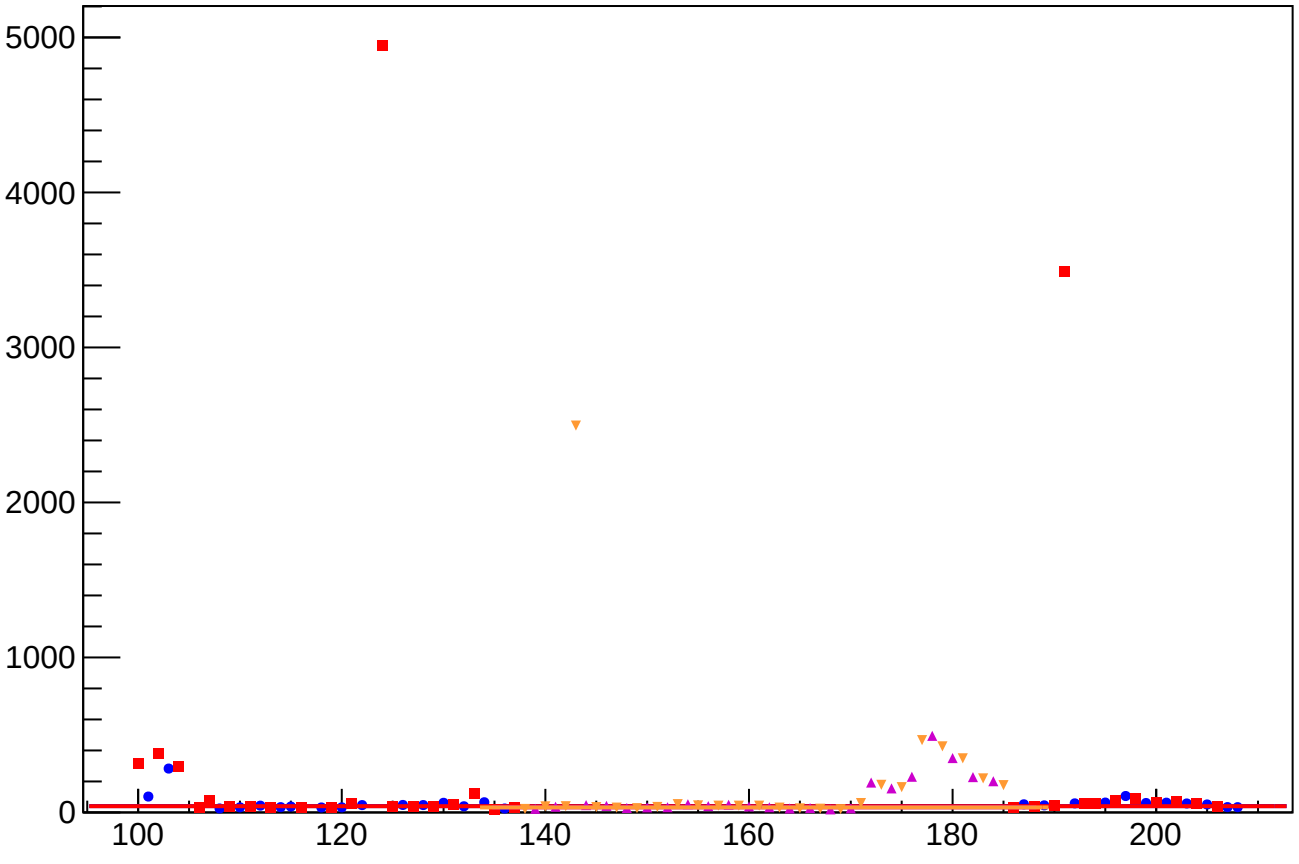
Right Out: 0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.1/51

All: -0.009+/-0.005 χ^2/NDF: 87.9/105

- sign -0.003+/-0.007 χ^2/NDF: 37.5/53



Right In: 41.030+/-0.008 χ^2/NDF: 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

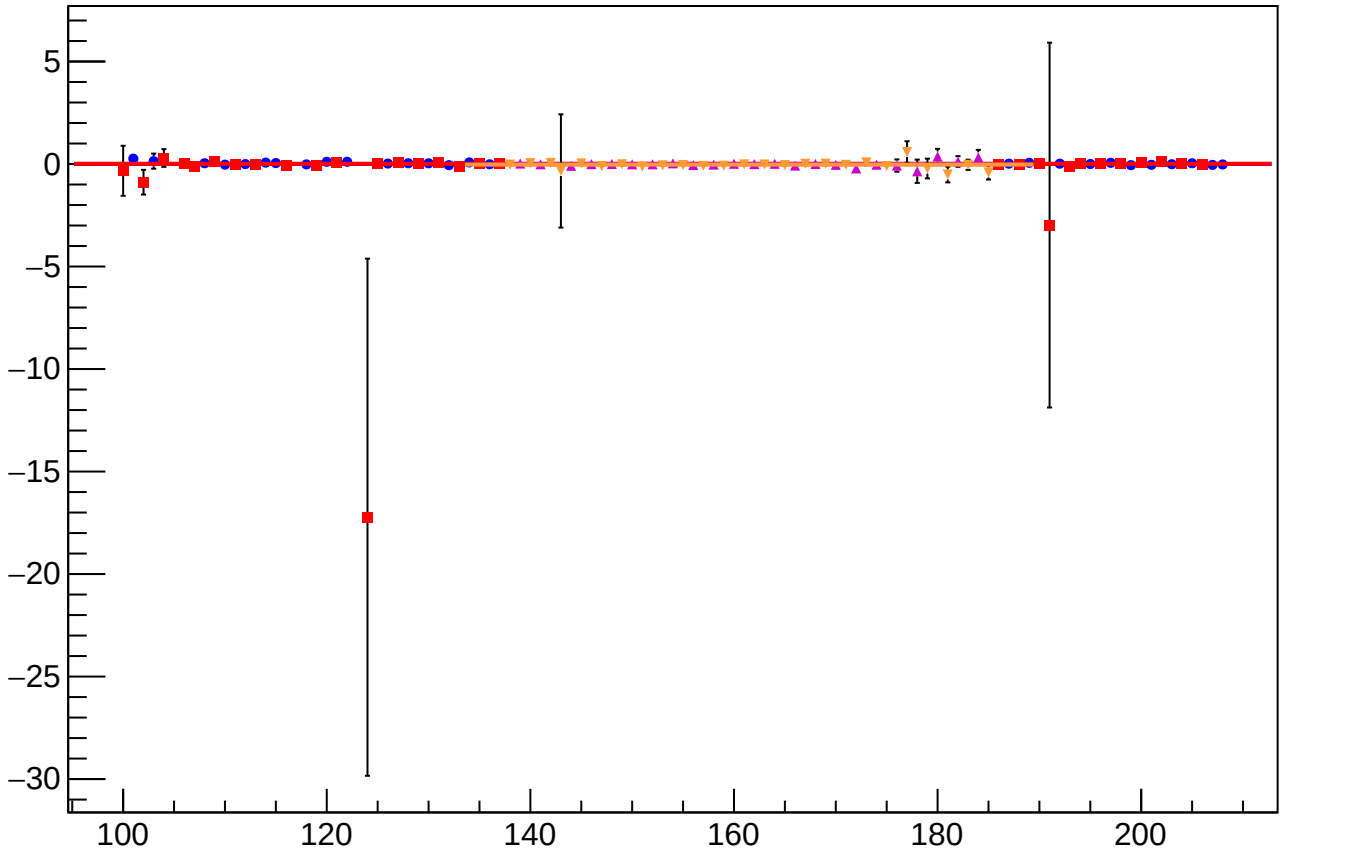
Right Out: 40.367+/-0.008 χ^2/NDF: 5416163.6/30

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.868+/-0.005 χ^2/NDF: 15624558.0/51

All: 35.802+/-0.004 χ^2/NDF: 30512266.5/105

- sign 35.737+/-0.005 χ^2/NDF: 14887399.3/53



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.009+/-0.012 χ^2/NDF: 22.6/30

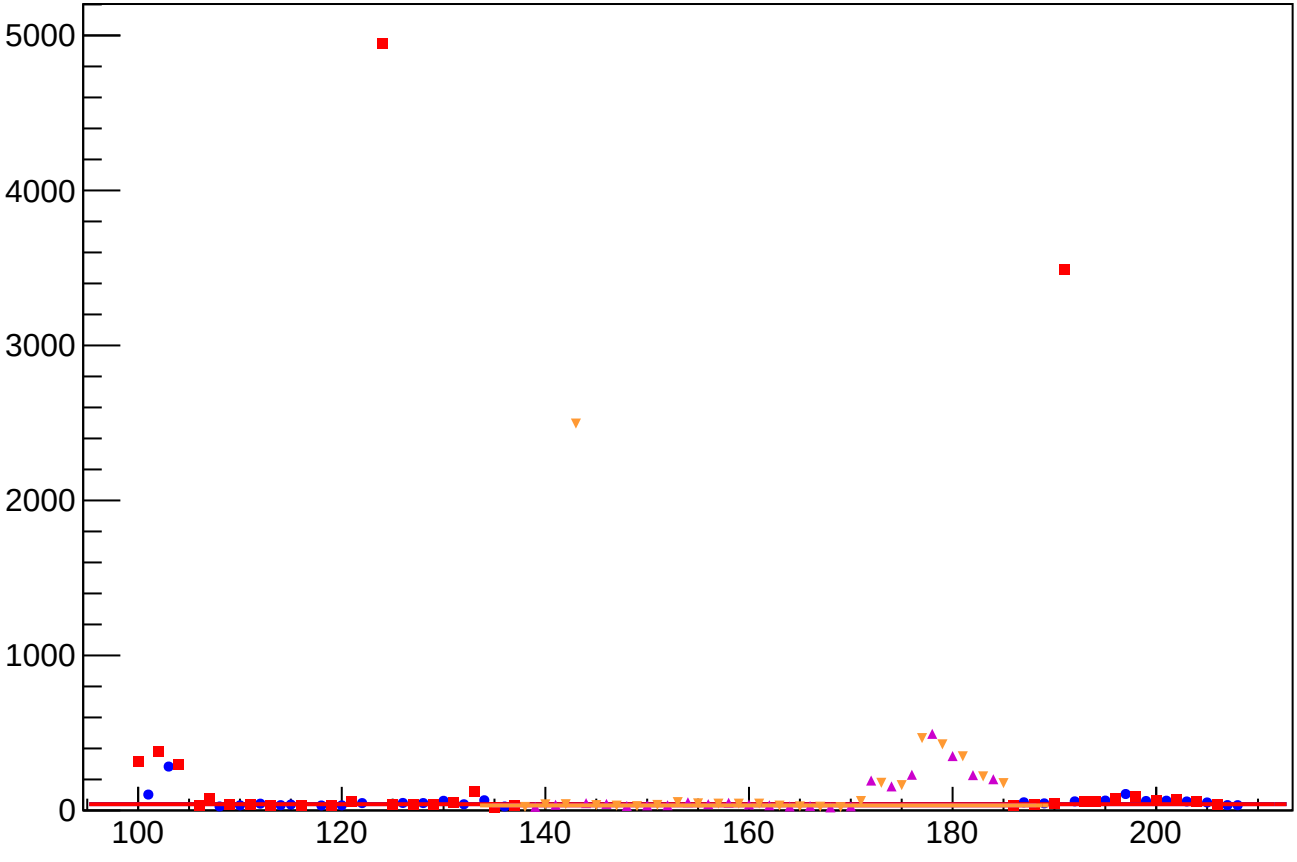
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.1/51

All: -0.009+/-0.005 χ^2/NDF: 87.9/105

- sign -0.003+/-0.007 χ^2/NDF: 37.5/53

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.030+/-0.008 χ^2/NDF: 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

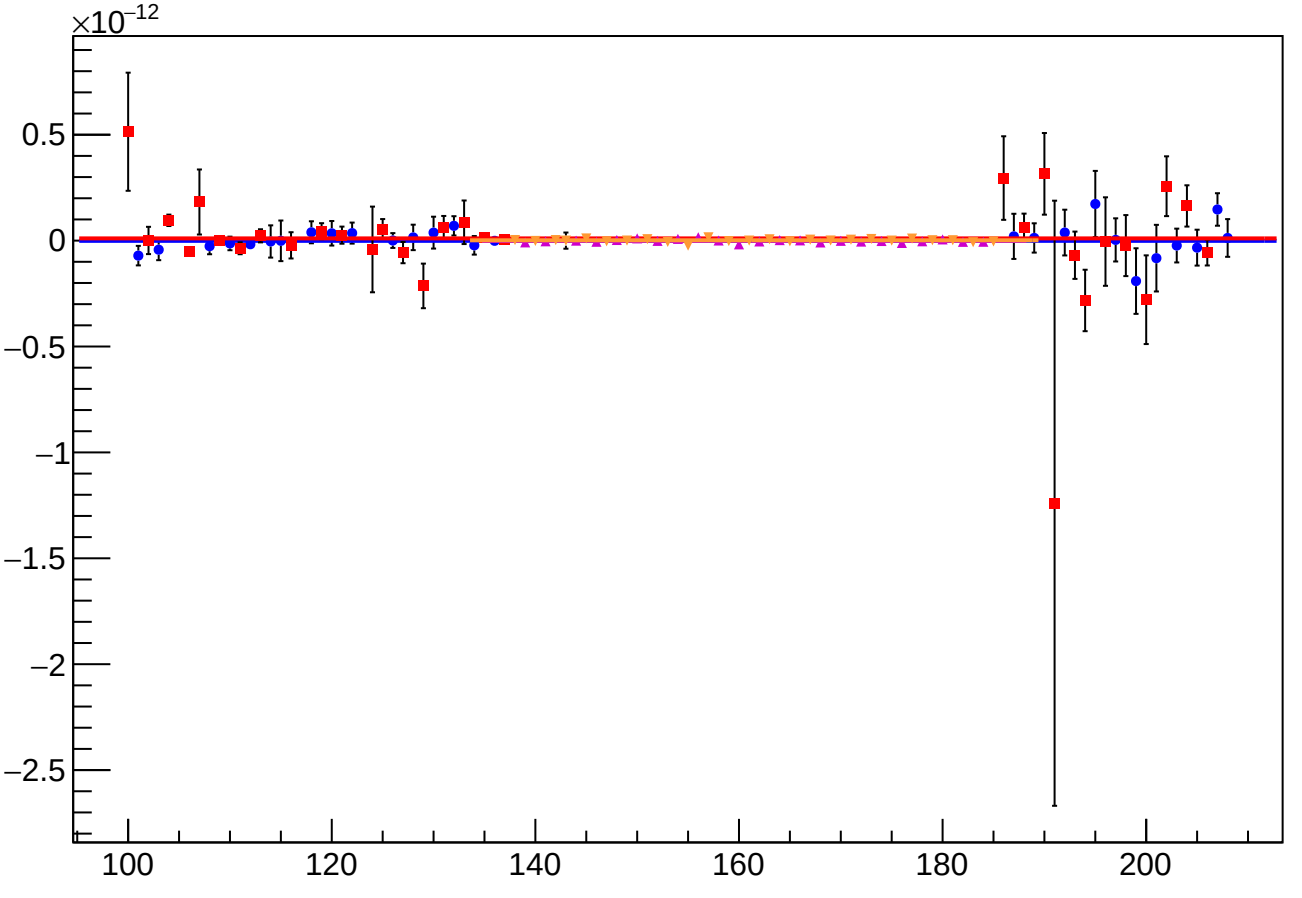
Right Out: 40.367+/-0.008 χ^2/NDF: 5416163.6/30

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.868+/-0.005 χ^2/NDF: 15624558.0/51

All: 35.802+/-0.004 χ^2/NDF: 30512266.5/105

- sign 35.737+/-0.005 χ^2/NDF: 14887399.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

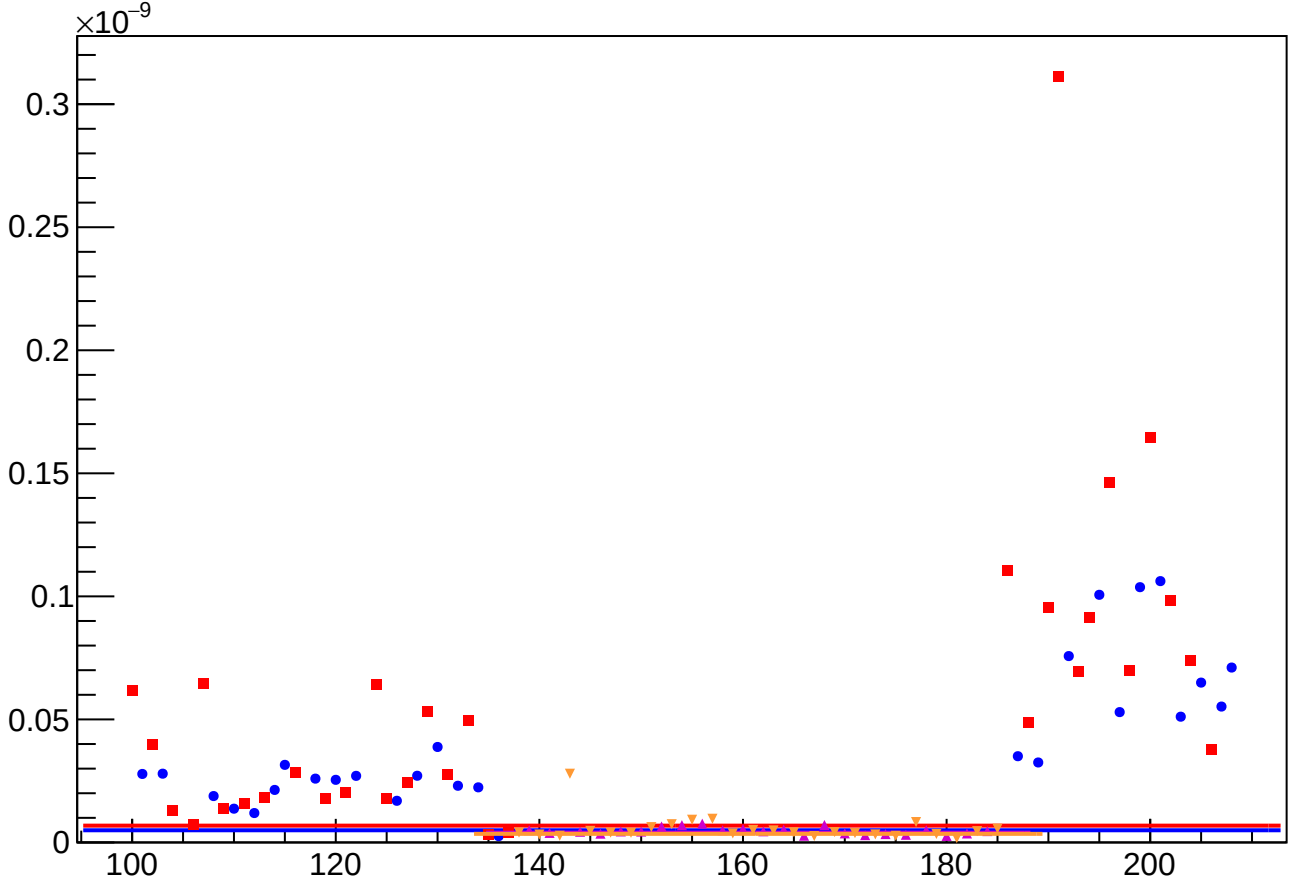
Right Out: 0.000+/-0.000 χ^2/NDF: 59.2/30

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.4/51

All: 0.000+/-0.000 χ^2/NDF: 130.9/105

- sign -0.000+/-0.000 χ^2/NDF: 95.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 12981532.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12896666.9/30

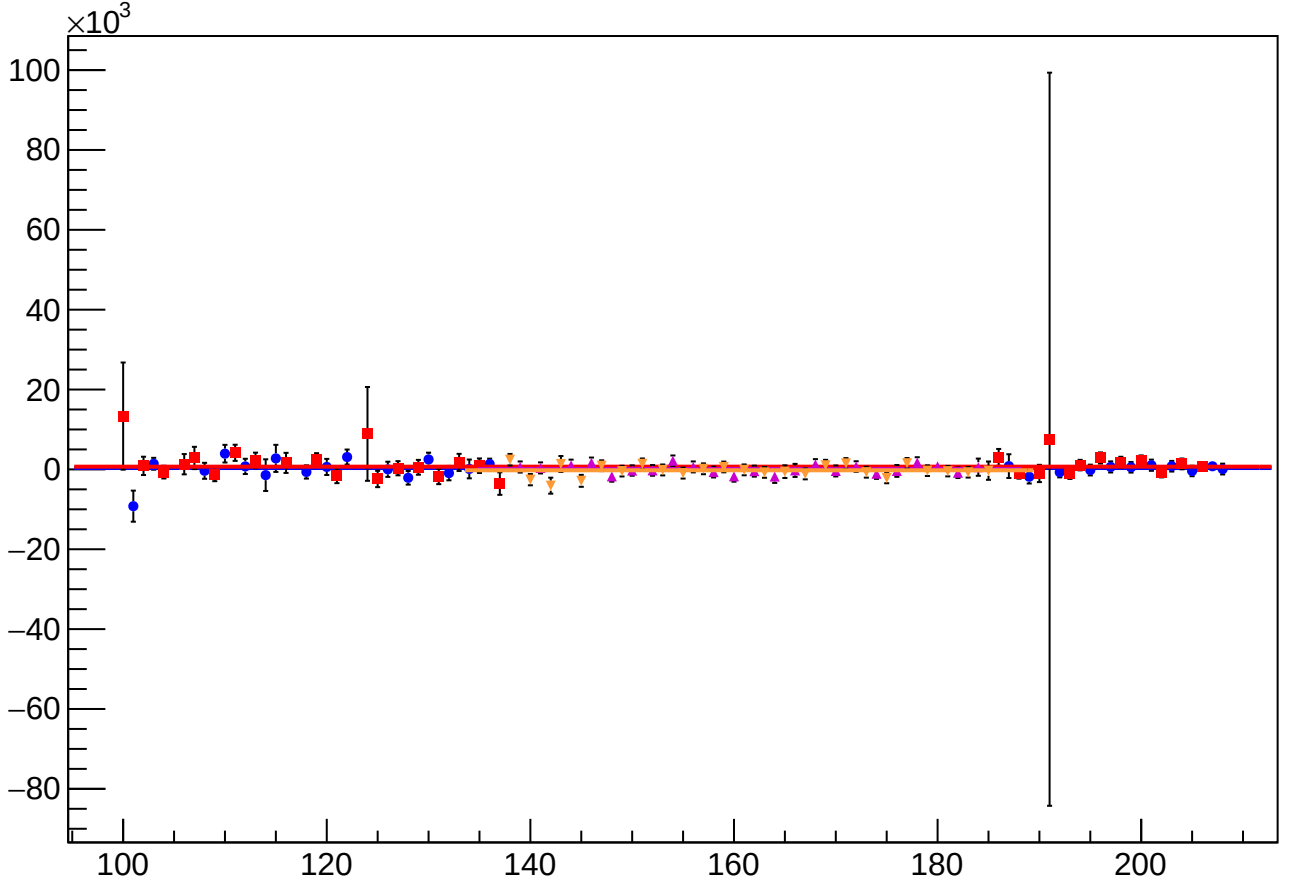
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 18003535.1/51

All: 0.000+/-0.000 χ^2/NDF: 34134511.8/105

- sign 0.000+/-0.000 χ^2/NDF: 15855975.0/53

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 344.651+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 681.848+/-319.078 χ^2/NDF: 27.3/30

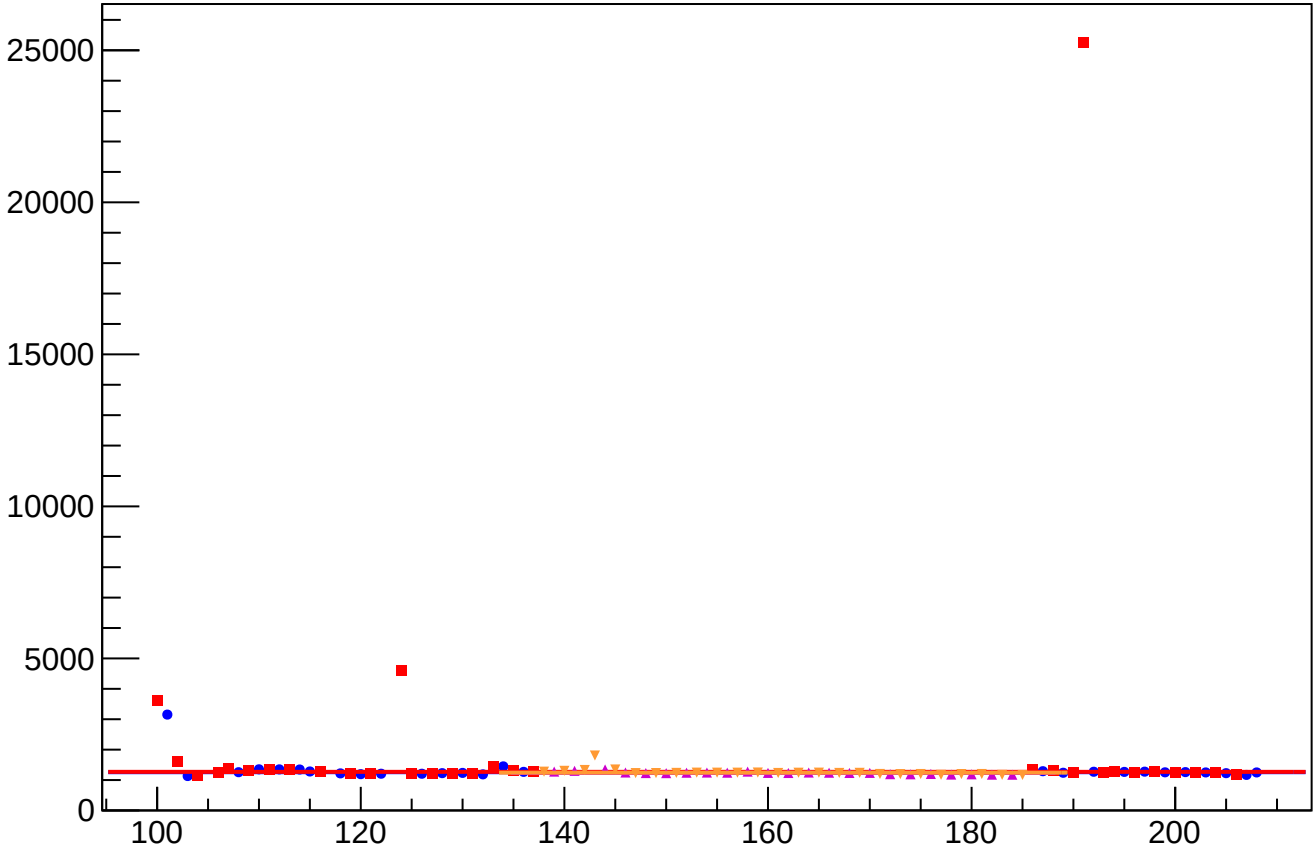
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 28.363+/-211.712 χ^2/NDF: 46.4/51

All: 191.130+/-150.464 χ^2/NDF: 91.5/105

- sign 357.248+/-213.881 χ^2/NDF: 43.9/53

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1258.016+/-0.226 χ^2/NDF: 533914.5/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1269.681+/-0.226 χ^2/NDF: 486242.8/30

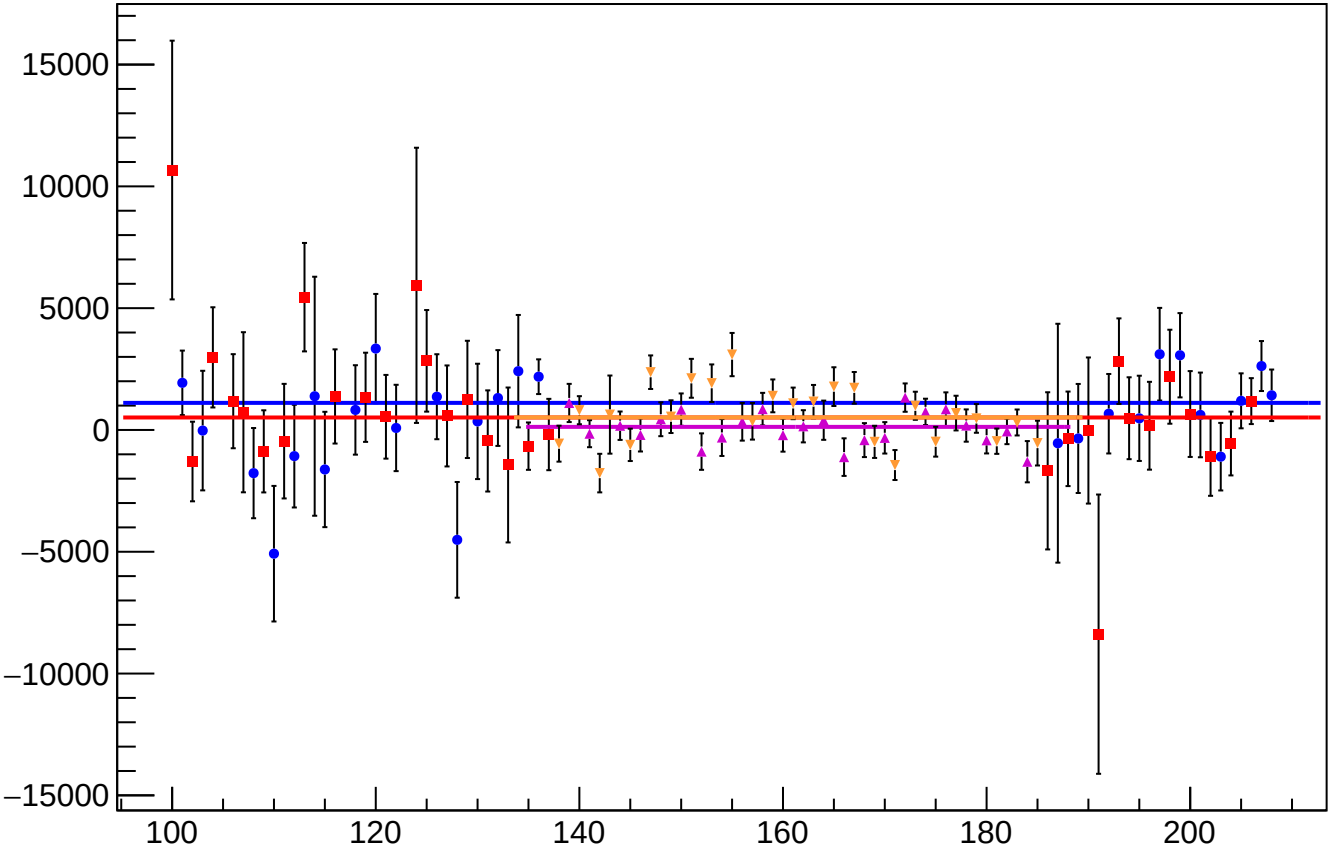
Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1249.518+/-0.150 χ^2/NDF: 739751.6/51

All: 1249.705+/-0.106 χ^2/NDF: 1279243.8/10

- sign 1249.896+/-0.151 χ^2/NDF: 539489.0/53

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 1112.108+/-307.872 χ^2/NDF: 28.1/26

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 512.242+/-327.067 χ^2/NDF: 25.0/30

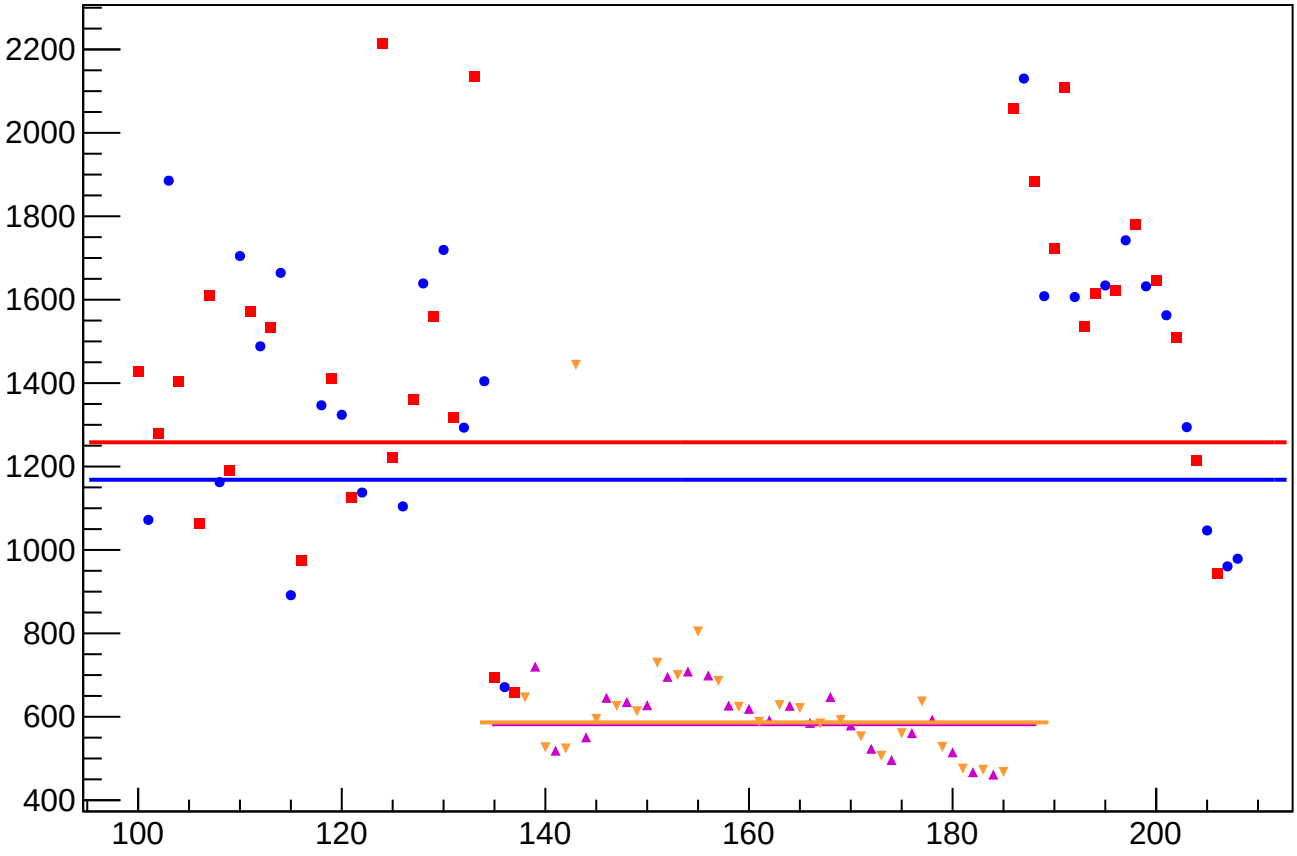
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 613.689+/-124.208 χ^2/NDF: 98.2/51

All: 403.053+/-88.652 χ^2/NDF: 151.8/105

- sign 184.328+/-126.571 χ^2/NDF: 47.7/53

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1168.338+/-0.218 χ^2/NDF: 2625141.7/26

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1258.079+/-0.231 χ^2/NDF: 2611021.4/30

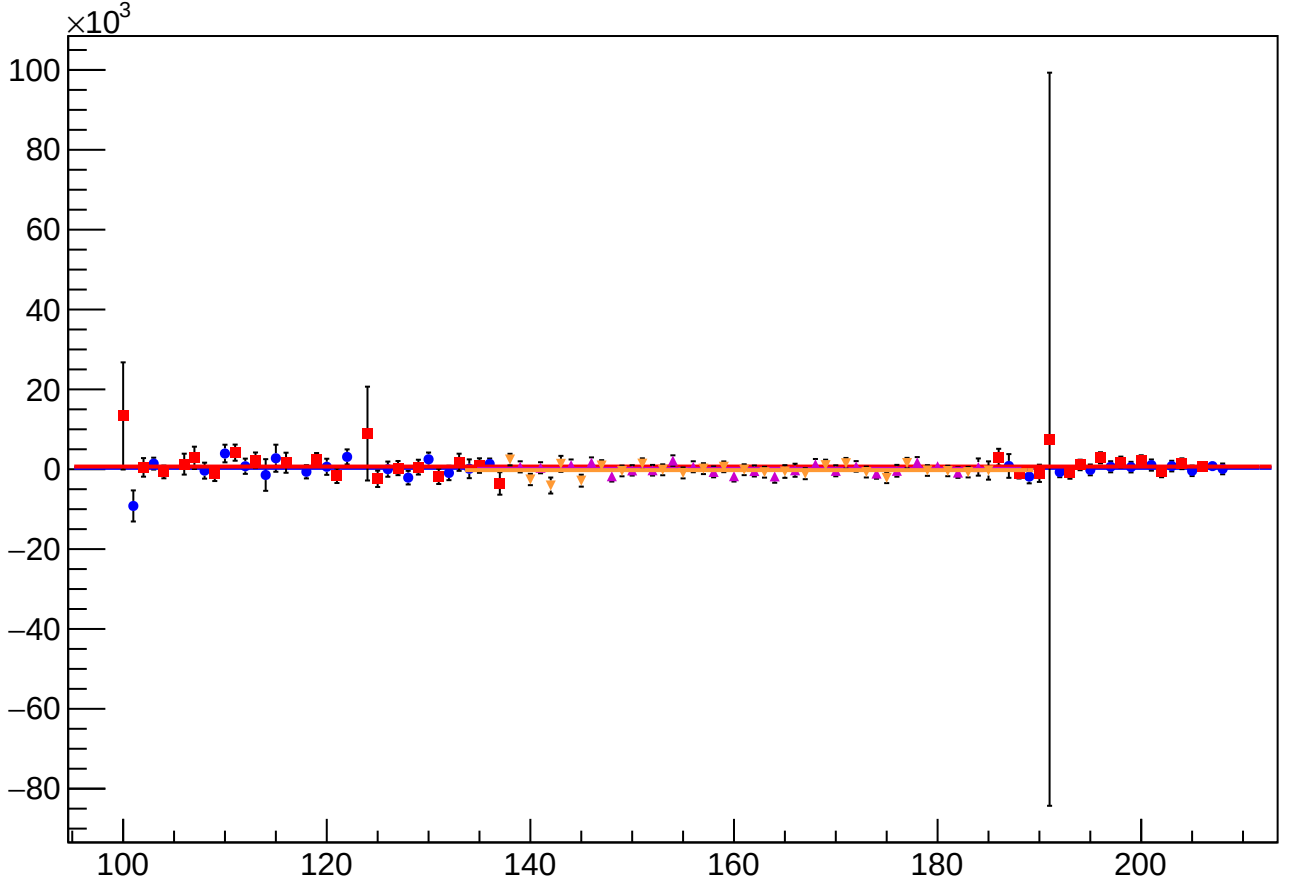
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 681.251+/-0.088 χ^2/NDF: 9807434.2/51

All: 682.311+/-0.063 χ^2/NDF: 20239883.4/10

- sign 683.411+/-0.089 χ^2/NDF: 10432152.4/53

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 344.856+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 673.061+/-319.317 χ^2/NDF: 27.3/30

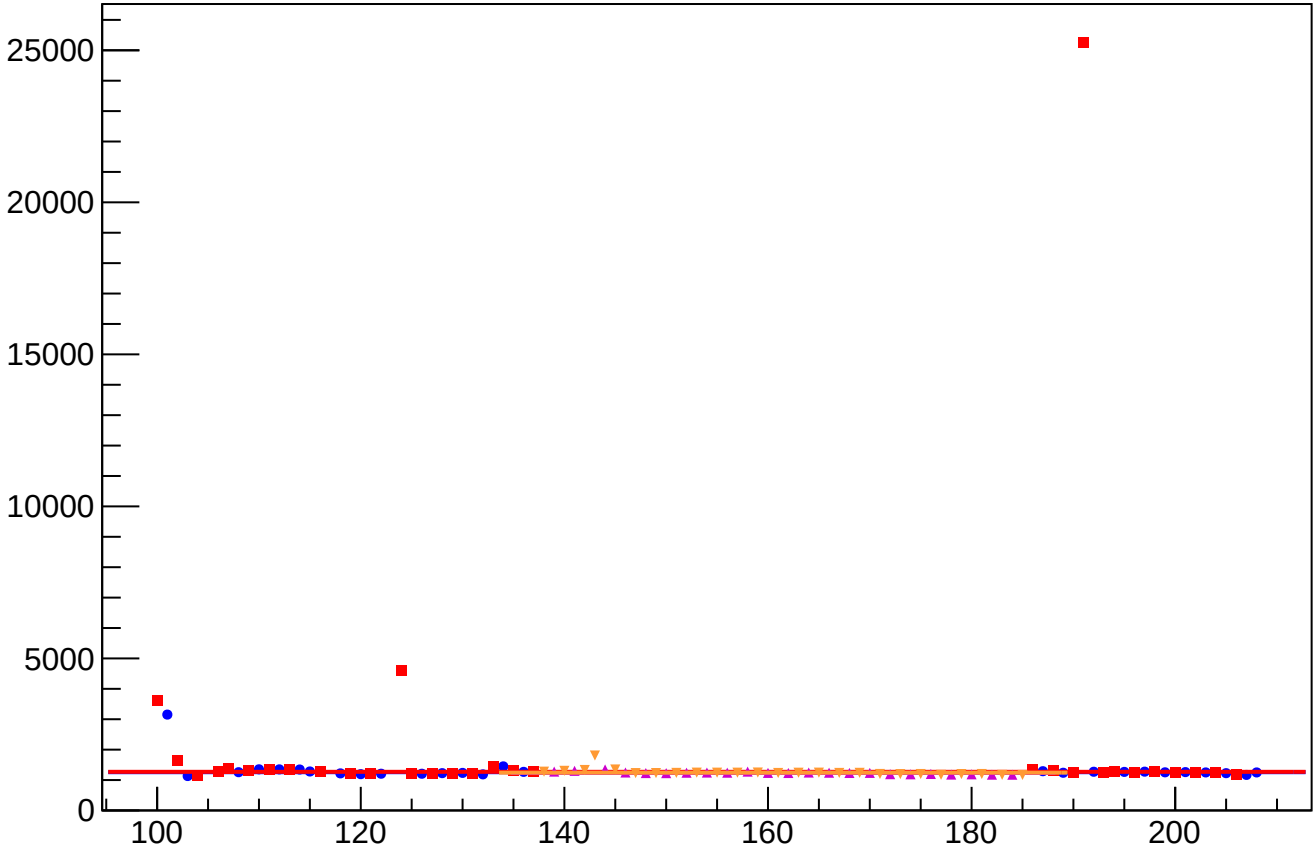
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 28.434+/-211.712 χ^2/NDF: 46.3/51

All: 189.069+/-150.489 χ^2/NDF: 91.4/105

- sign 353.123+/-213.953 χ^2/NDF: 43.8/53

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1258.016+/-0.226 χ^2/NDF: 533915.9/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

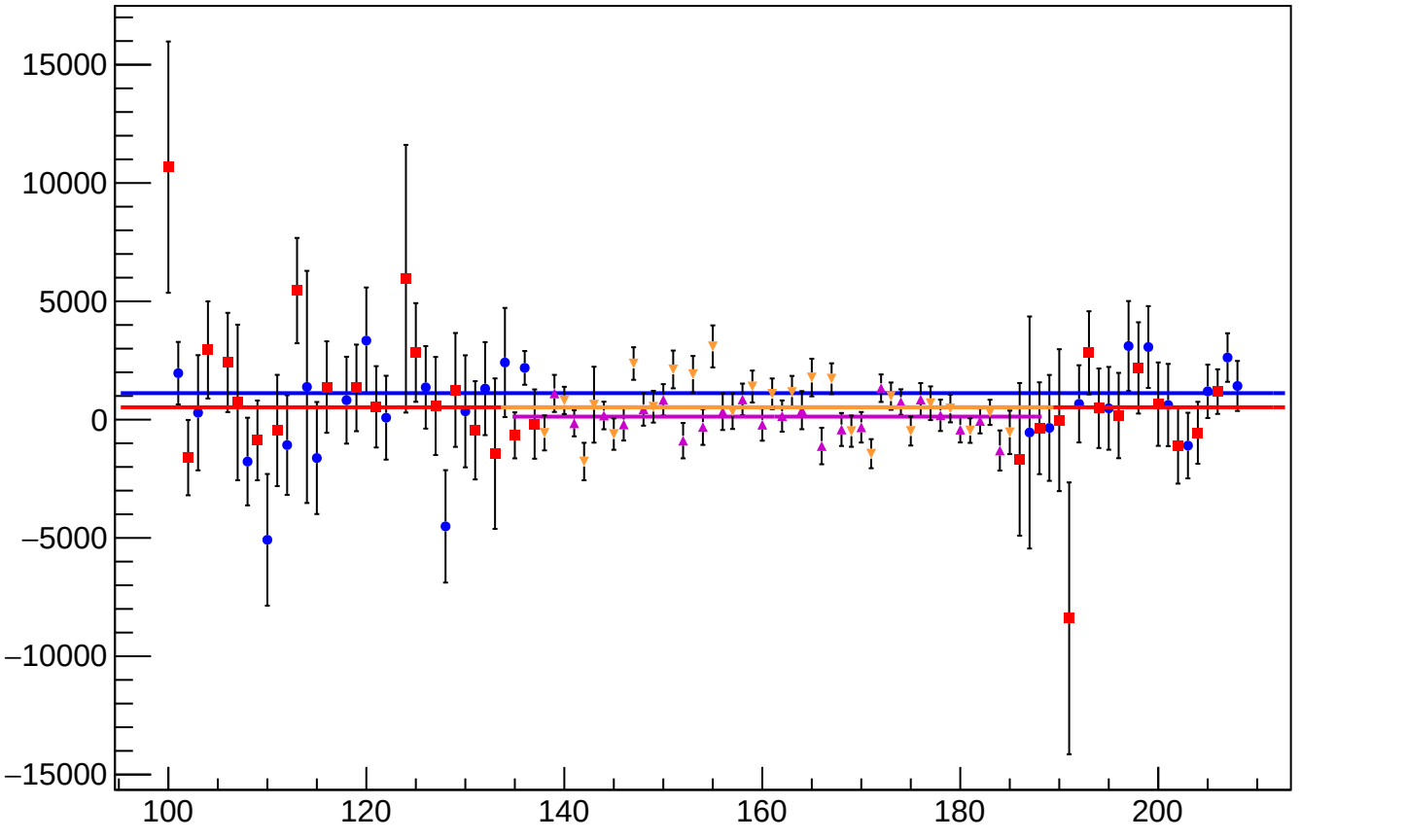
Right Out: 1270.669+/-0.226 χ^2/NDF: 493421.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1249.517+/-0.150 χ^2/NDF: 739752.9/51

All: 1249.918+/-0.106 χ^2/NDF: 1287202.2/10

- sign 1250.326+/-0.151 χ^2/NDF: 547434.9/53



Right In: 1118.543+/-307.805 χ^2/NDF: 28.0/26

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

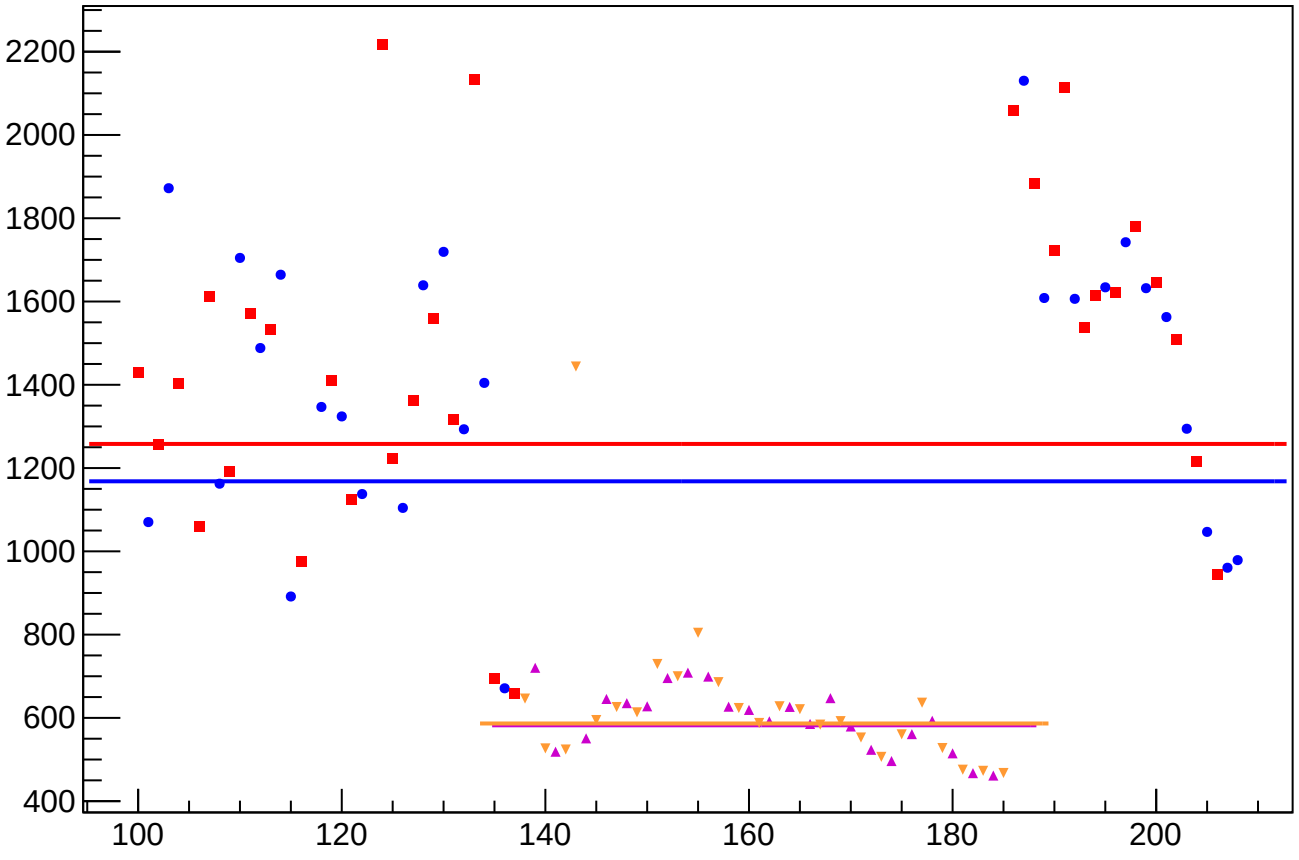
Right Out: 521.783+/-327.419 χ^2/NDF: 26.2/30

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 614.789+/-124.205 χ^2/NDF: 98.2/51

All: 404.294+/-88.658 χ^2/NDF: 153.1/105

- sign 185.631+/-126.591 χ^2/NDF: 49.0/53



Right In: 1168.199+/-0.218 χ^2/NDF: 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

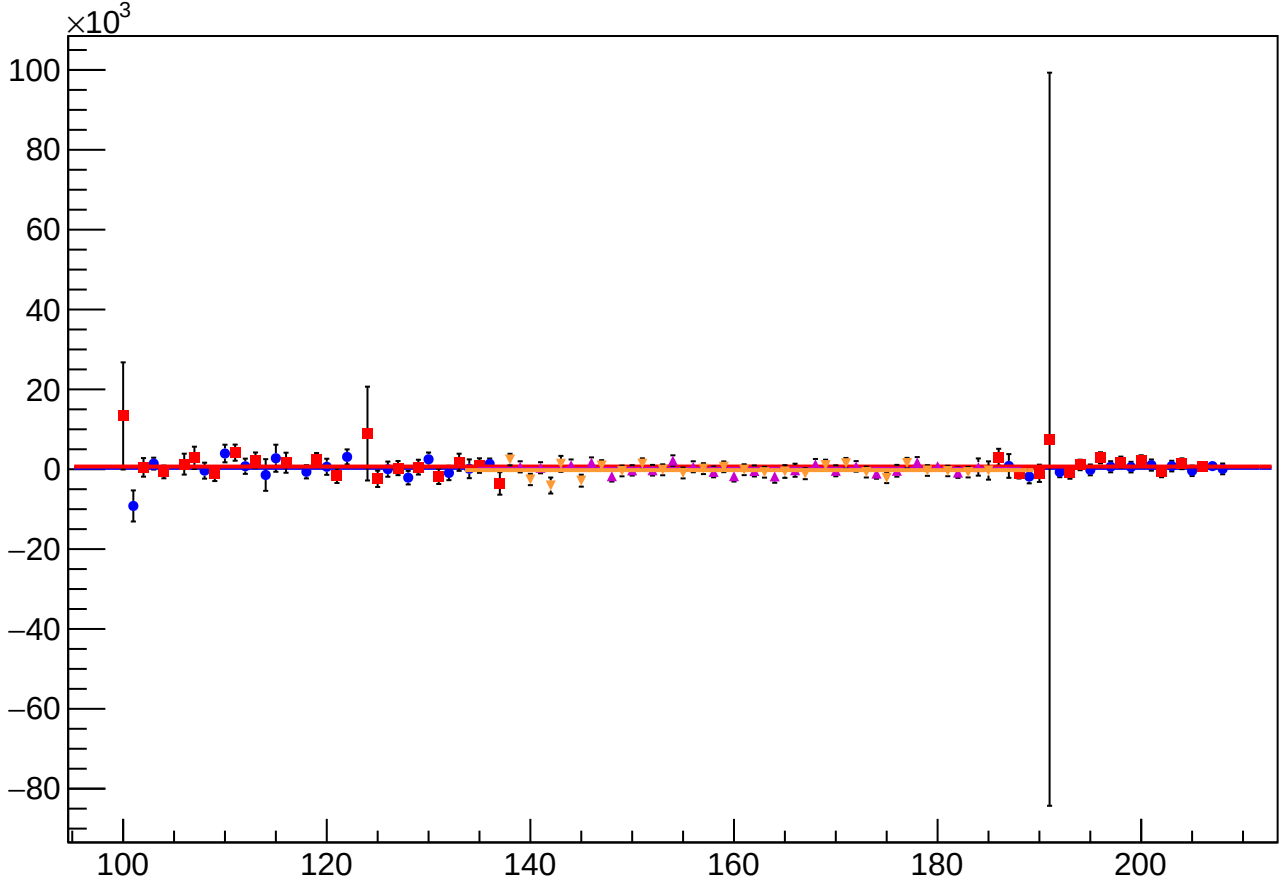
Right Out: 1257.943+/-0.232 χ^2/NDF: 2608519.4/30

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 681.268+/-0.088 χ^2/NDF: 9803510.4/51

All: 682.218+/-0.063 χ^2/NDF: 20217267.3/10

- sign 683.204+/-0.090 χ^2/NDF: 10413518.6/53



Right In: 344.856+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 673.061+/-319.317 χ^2/NDF: 27.3/30

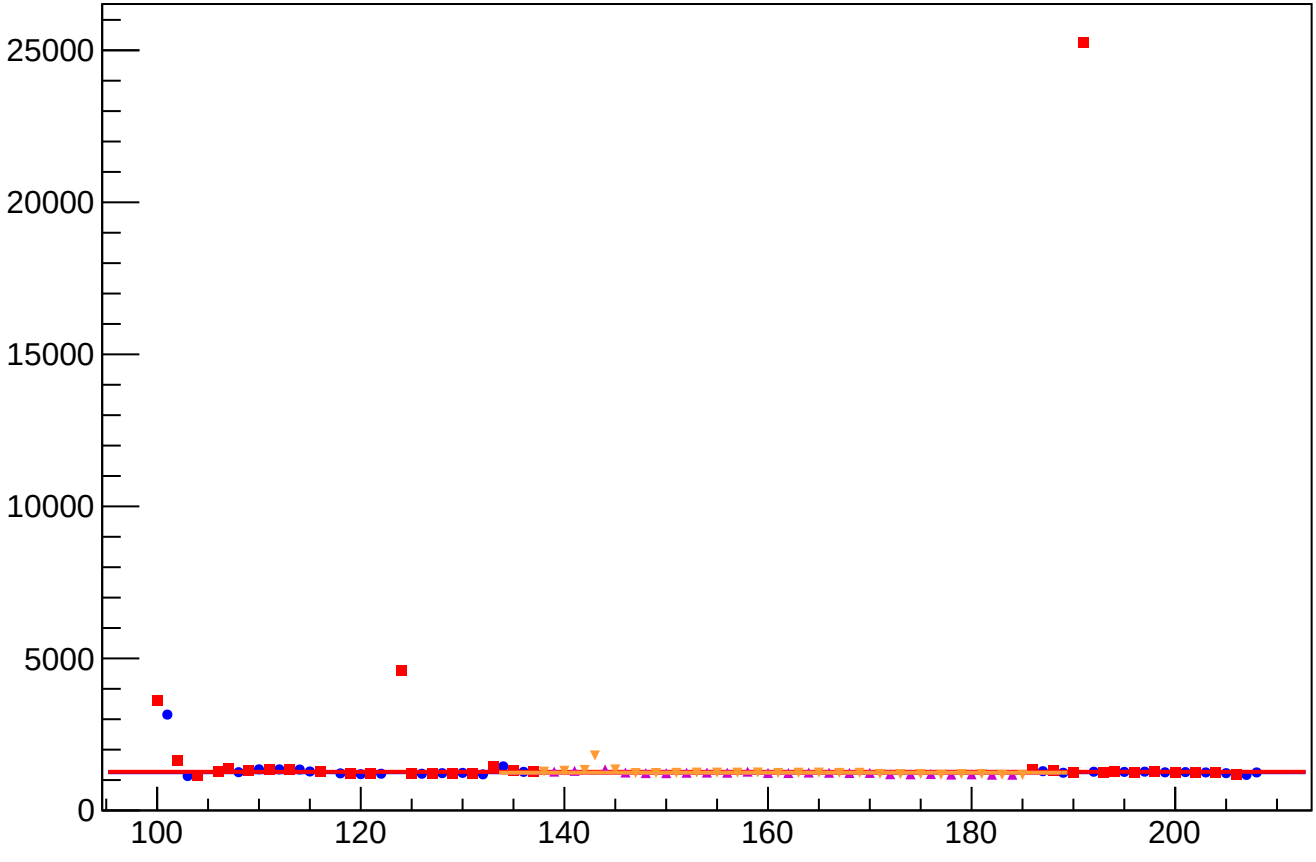
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 28.434+/-211.712 χ^2/NDF: 46.3/51

All: 189.069+/-150.489 χ^2/NDF: 91.4/105

- sign 353.123+/-213.953 χ^2/NDF: 43.8/53

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1258.016+/-0.226 χ^2/NDF: 533915.9/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

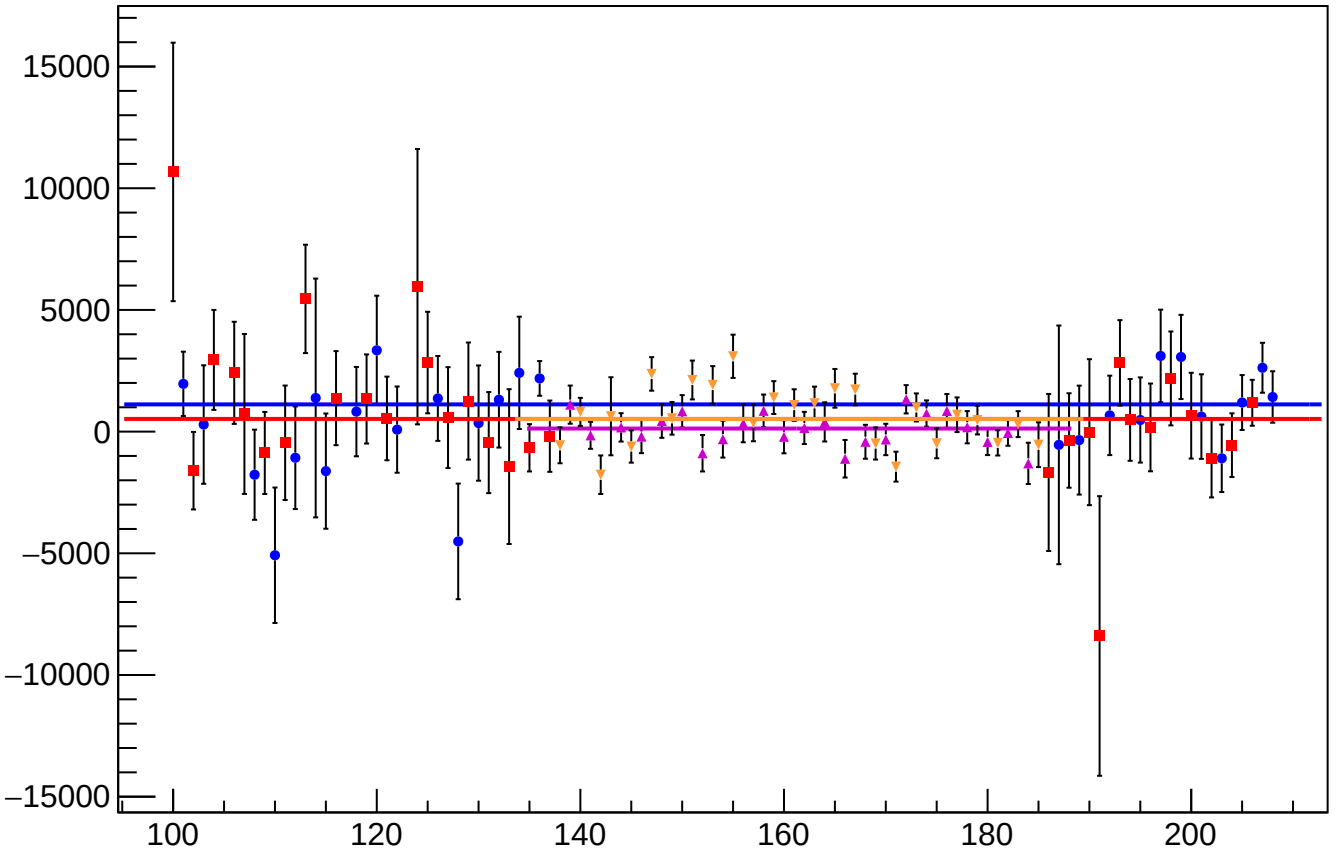
Right Out: 1270.669+/-0.226 χ^2/NDF: 493421.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1249.517+/-0.150 χ^2/NDF: 739752.9/51

All: 1249.918+/-0.106 χ^2/NDF: 1287202.2/10

- sign 1250.326+/-0.151 χ^2/NDF: 547434.9/53



Right In: 1118.543+/-307.805 χ^2/NDF: 28.0/26

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

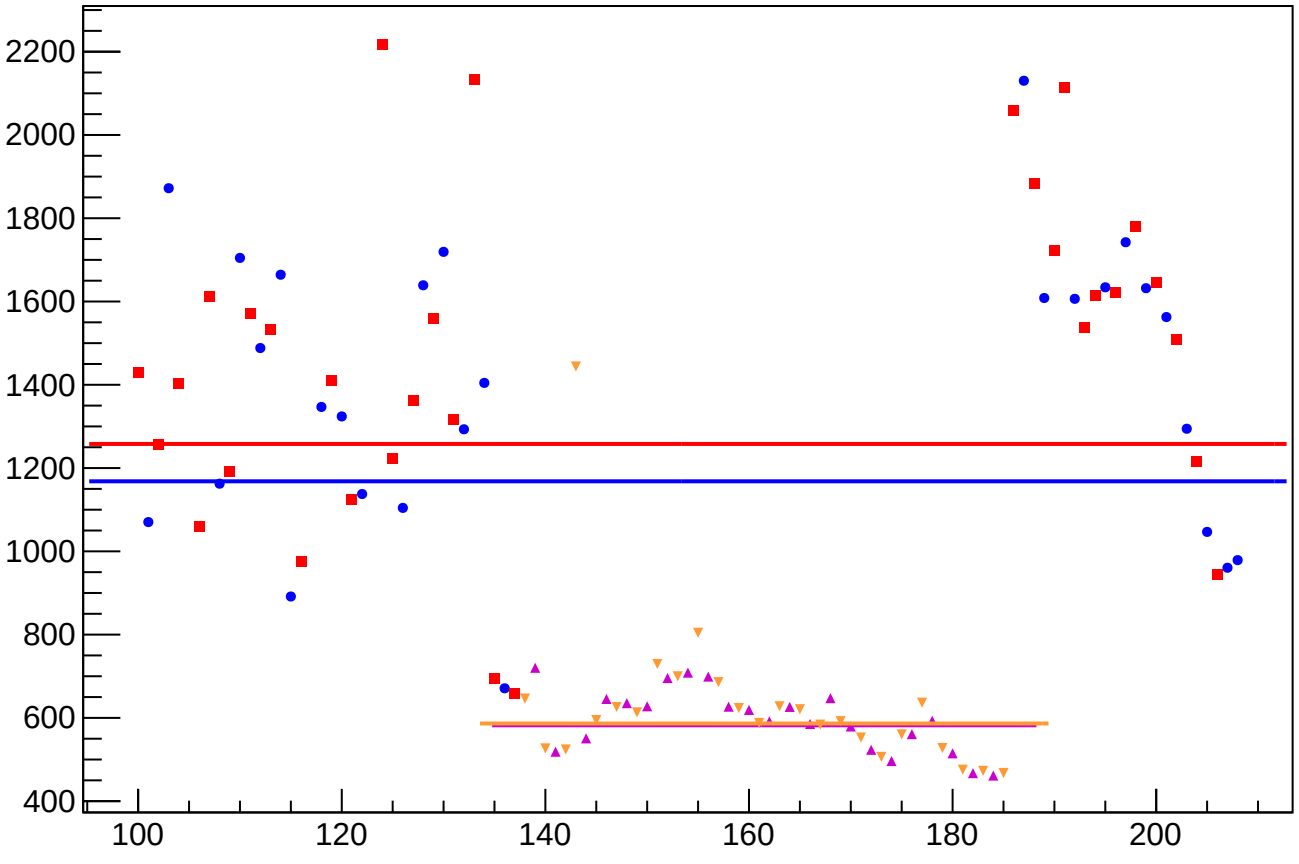
Right Out: 521.783+/-327.419 χ^2/NDF: 26.2/30

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 614.789+/-124.205 χ^2/NDF: 98.2/51

All: 404.294+/-88.658 χ^2/NDF: 153.1/105

\- sign 185.631+/-126.591 χ^2/NDF: 49.0/53



Right In: 1168.199+/-0.218 χ^2/NDF: 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1257.943+/-0.232 χ^2/NDF: 2608519.4/30

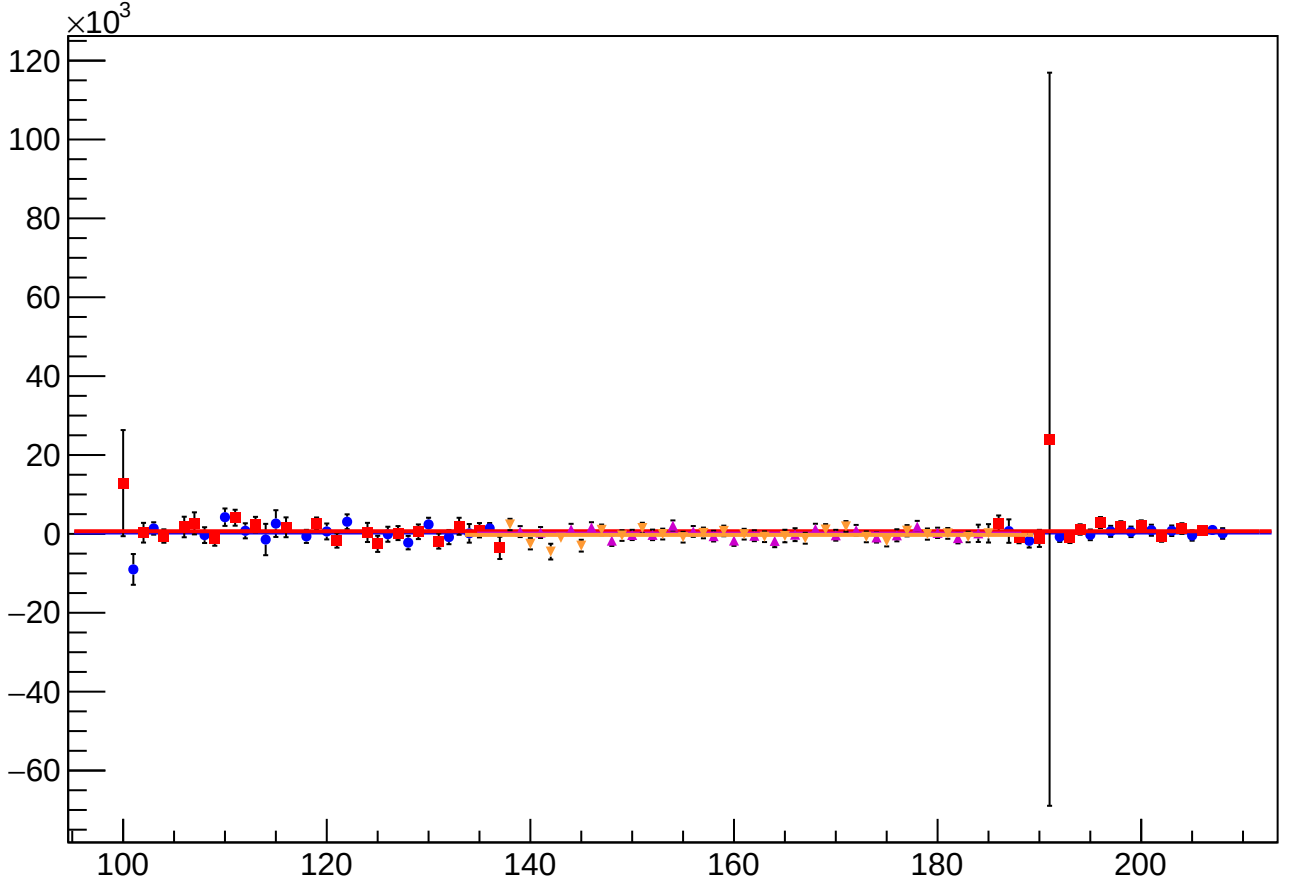
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 681.268+/-0.088 χ^2/NDF: 9803510.4/51

All: 682.218+/-0.063 χ^2/NDF: 20217267.3/10

- sign 683.204+/-0.090 χ^2/NDF: 10413518.6/53

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 348.461+/-320.076 χ^2/NDF: 20.8/26

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 672.726+/-318.435 χ^2/NDF: 26.8/30

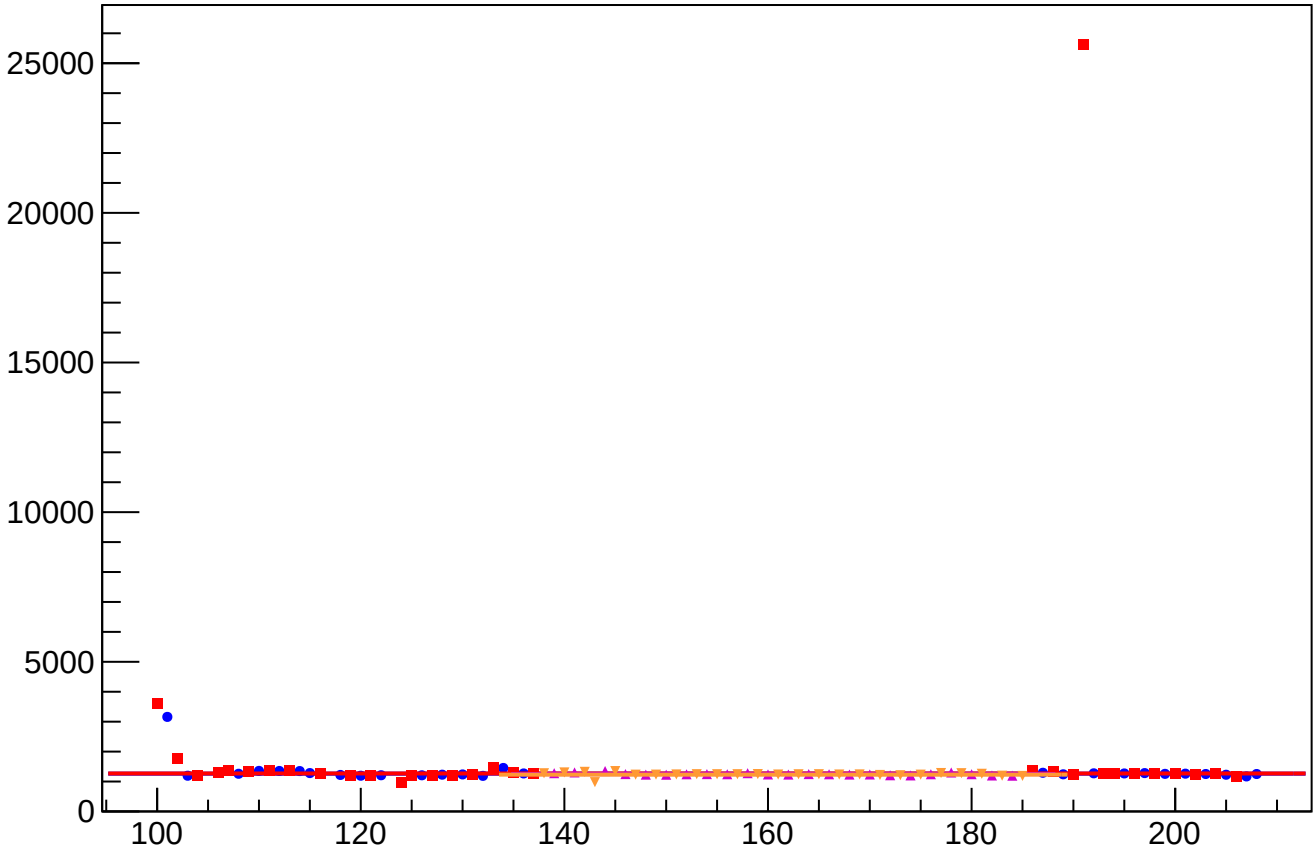
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 8.878+/-210.710 χ^2/NDF: 46.8/51

All: 174.735+/-150.488 χ^2/NDF: 90.8/105

- sign 347.411+/-214.998 χ^2/NDF: 42.8/53

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1262.595+/-0.226 χ^2/NDF: 523974.4/26

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1268.948+/-0.225 χ^2/NDF: 384624.8/30

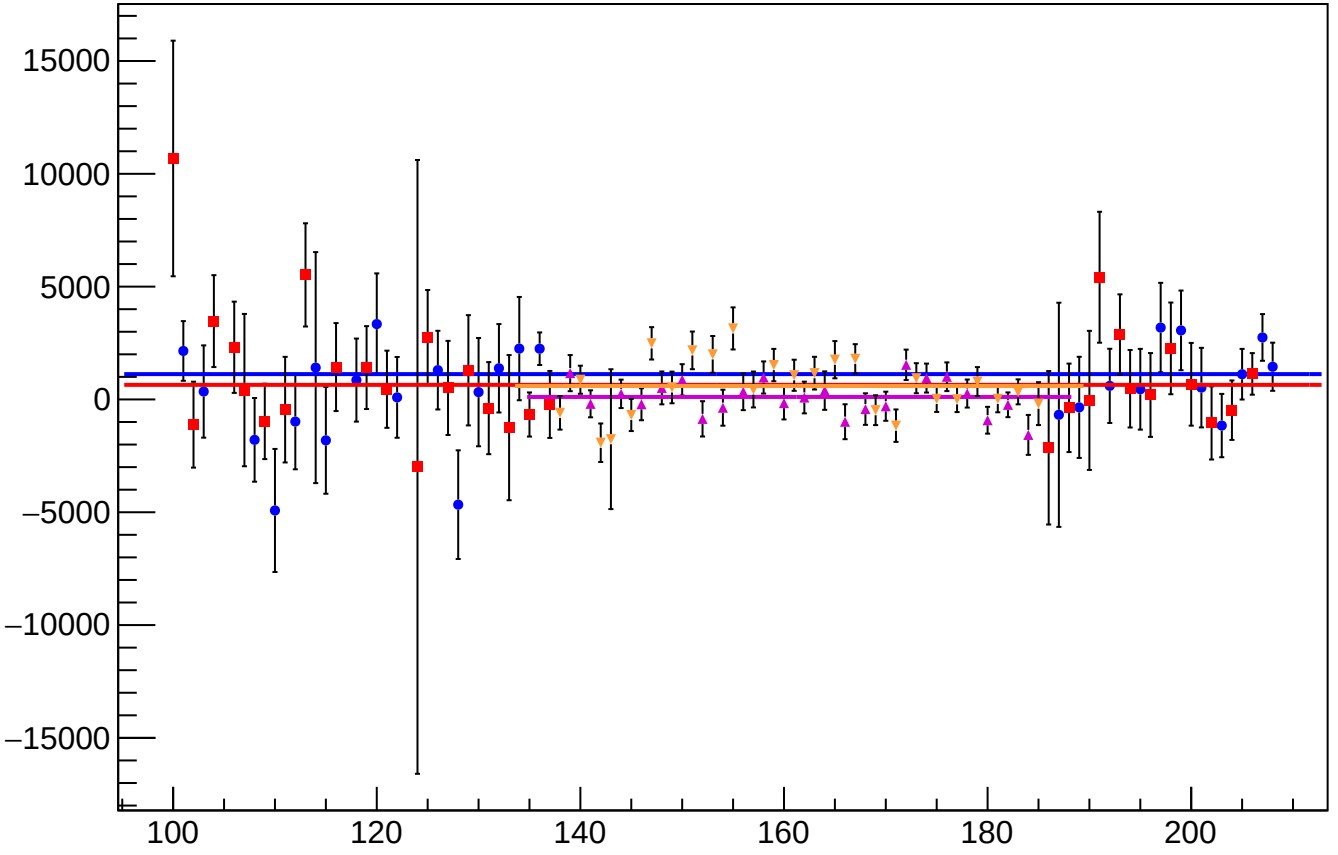
Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1244.118+/-0.149 χ^2/NDF: 677343.9/51

All: 1250.641+/-0.106 χ^2/NDF: 1098028.4/10

- sign 1257.432+/-0.152 χ^2/NDF: 416772.2/53

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 1122.509+/-309.127 χ^2/NDF: 29.0/26

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 646.367+/-330.082 χ^2/NDF: 25.2/30

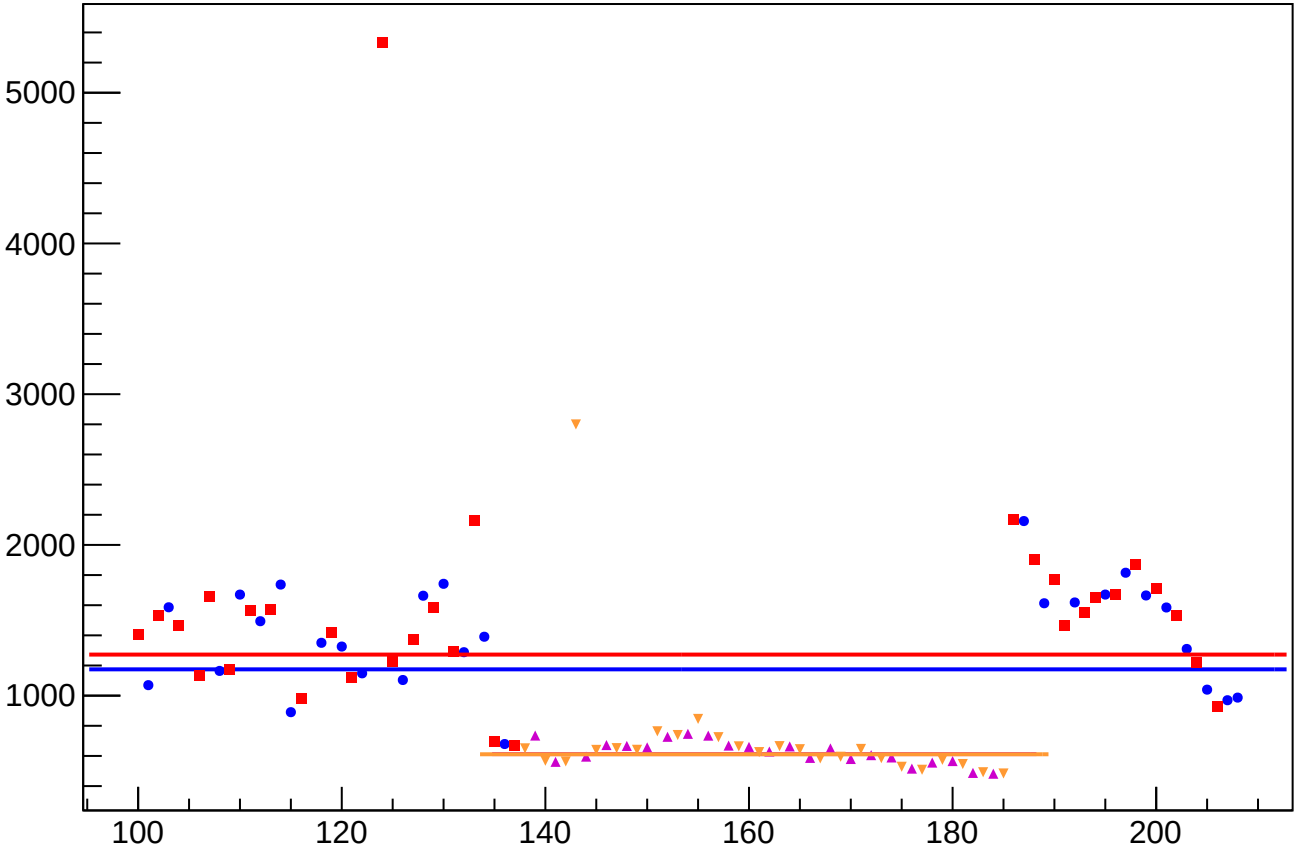
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 687.054+/-129.135 χ^2/NDF: 88.7/51

All: 447.321+/-92.365 χ^2/NDF: 148.9/105

- sign 196.203+/-132.166 χ^2/NDF: 53.1/53

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1174.511+/-0.219 χ^2/NDF: 2565824.2/26

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

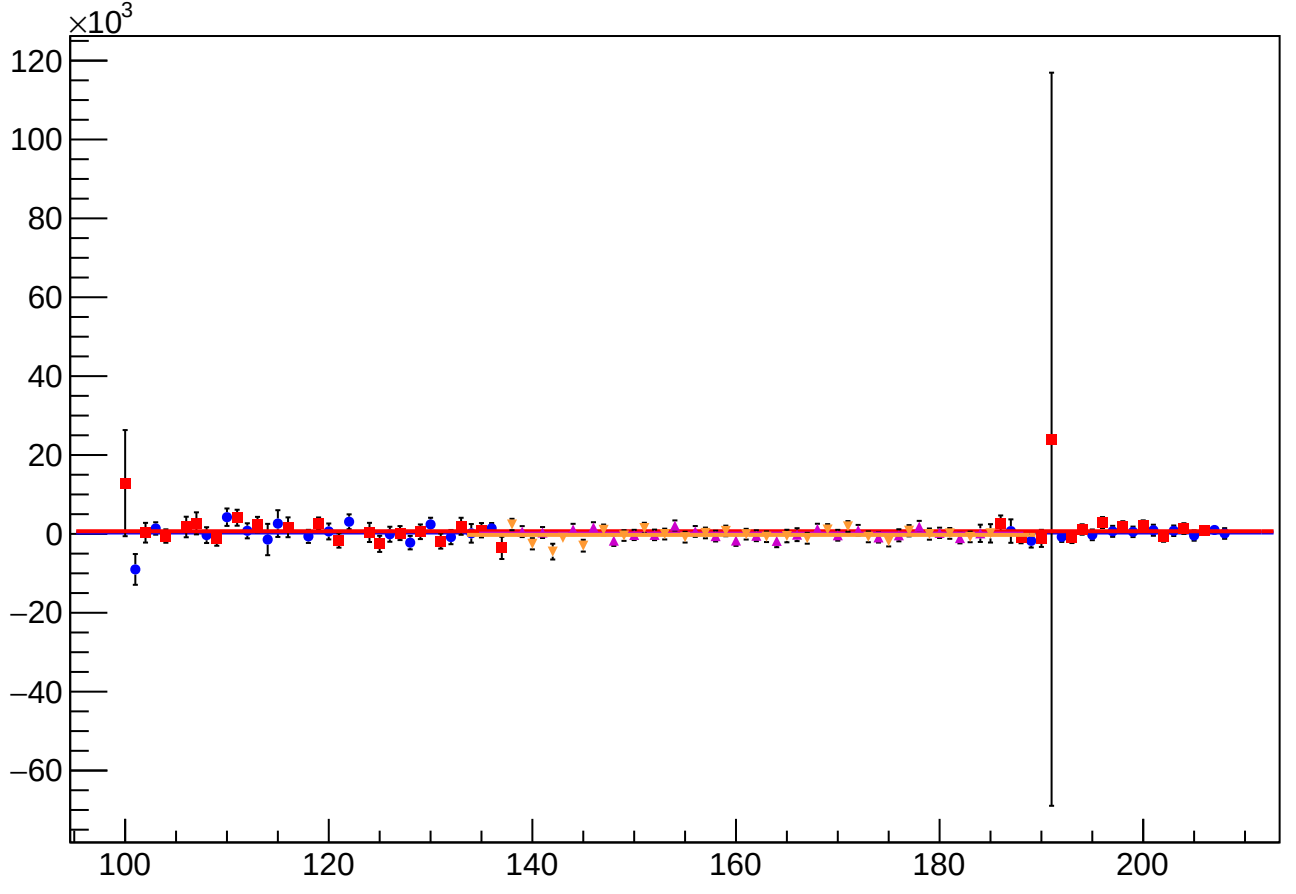
Right Out: 1272.435+/-0.233 χ^2/NDF: 2900084.3/30

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 709.408+/-0.091 χ^2/NDF: 9669688.5/51

All: 713.711+/-0.065 χ^2/NDF: 19797724.0/10

- sign 718.217+/-0.093 χ^2/NDF: 10123490.1/53



Right In: 348.460+/-320.076 χ^2/NDF: 20.8/26

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 672.725+/-318.435 χ^2/NDF: 26.8/30

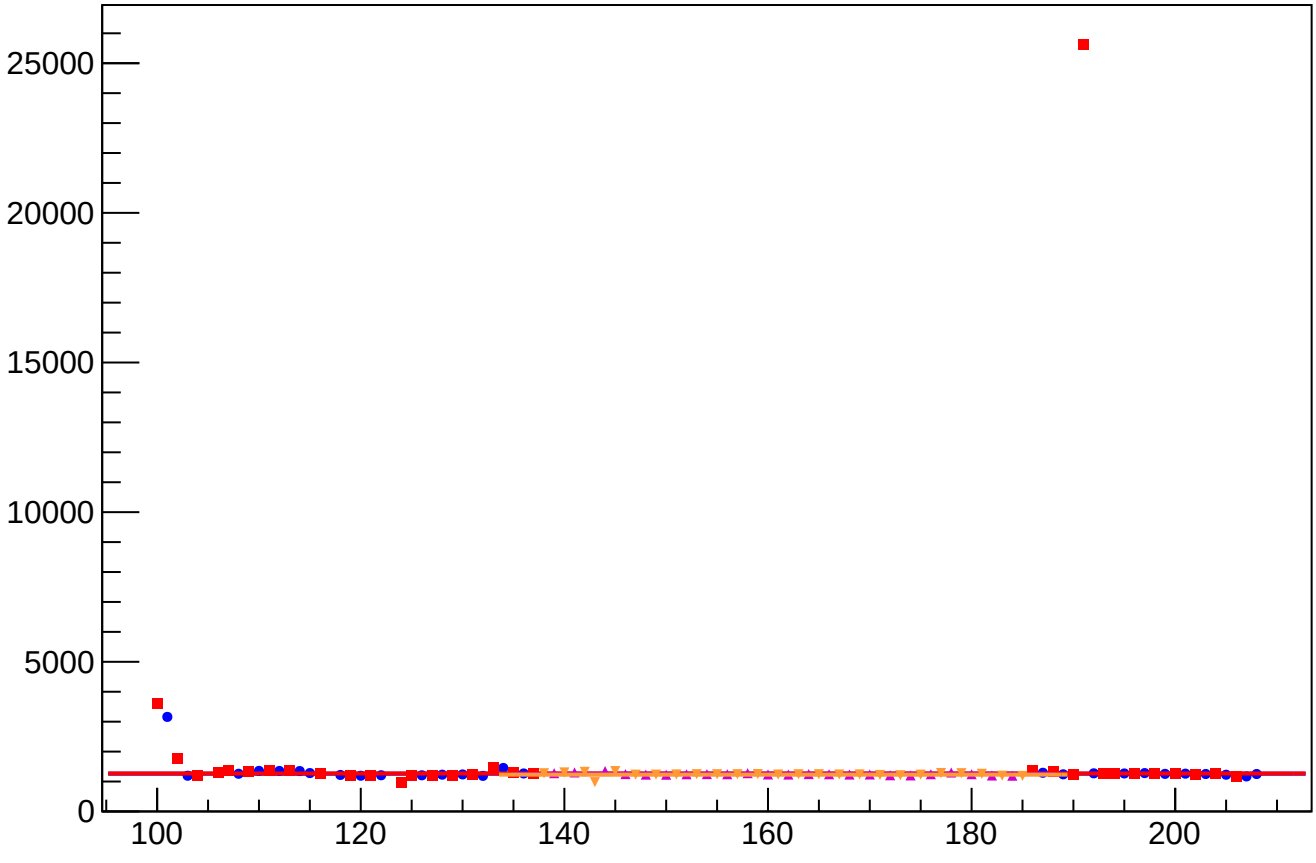
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 8.876+/-210.710 χ^2/NDF: 46.8/51

All: 174.734+/-150.488 χ^2/NDF: 90.8/105

- sign 347.411+/-214.998 χ^2/NDF: 42.8/53

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1262.595+/-0.226 χ^2/NDF: 523974.5/26

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

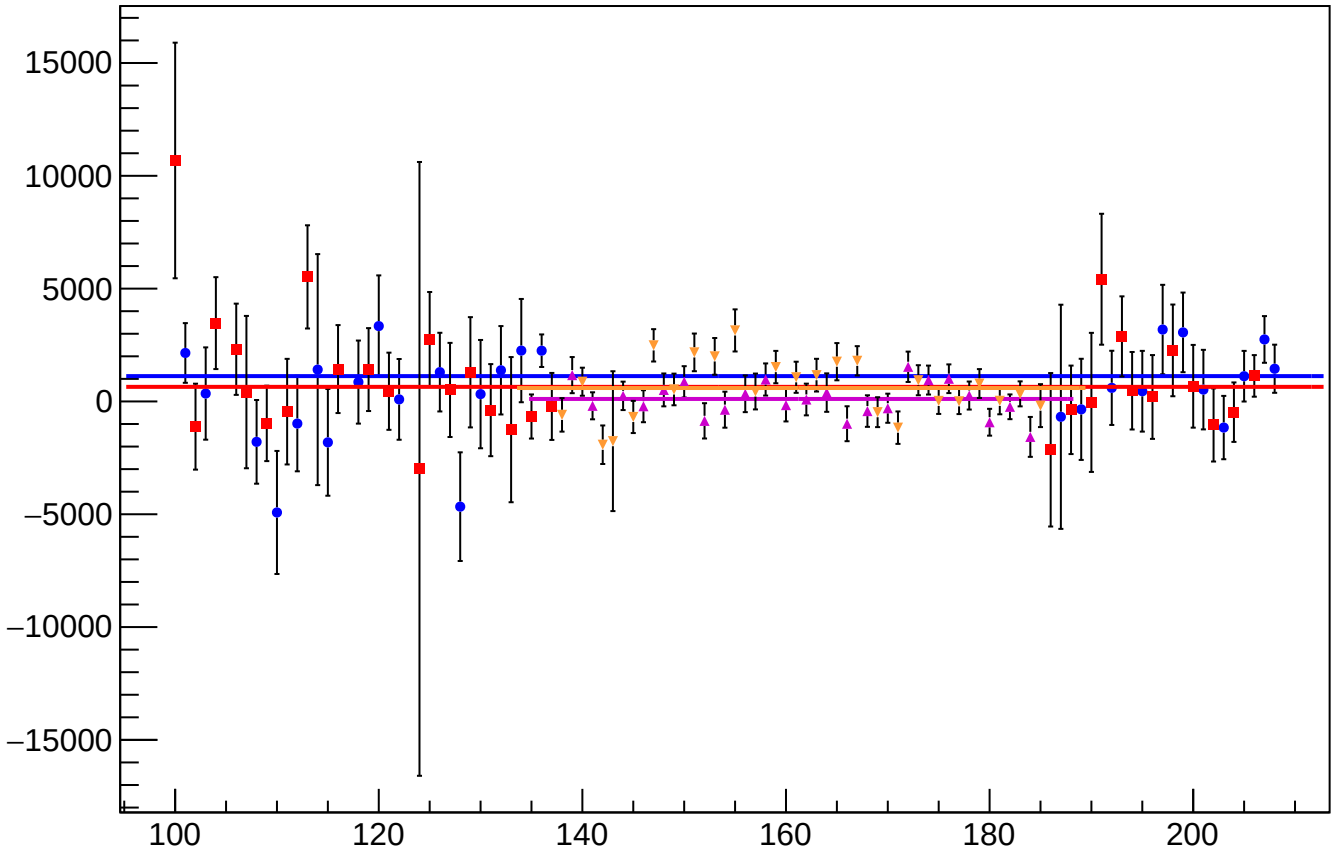
Right Out: 1268.948+/-0.225 χ^2/NDF: 384624.6/30

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1244.118+/-0.149 χ^2/NDF: 677343.0/51

All: 1250.641+/-0.106 χ^2/NDF: 1098027.3/10

- sign 1257.432+/-0.152 χ^2/NDF: 416772.0/53



Right In: 1122.507+/-309.127 χ^2/NDF: 29.0/26

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

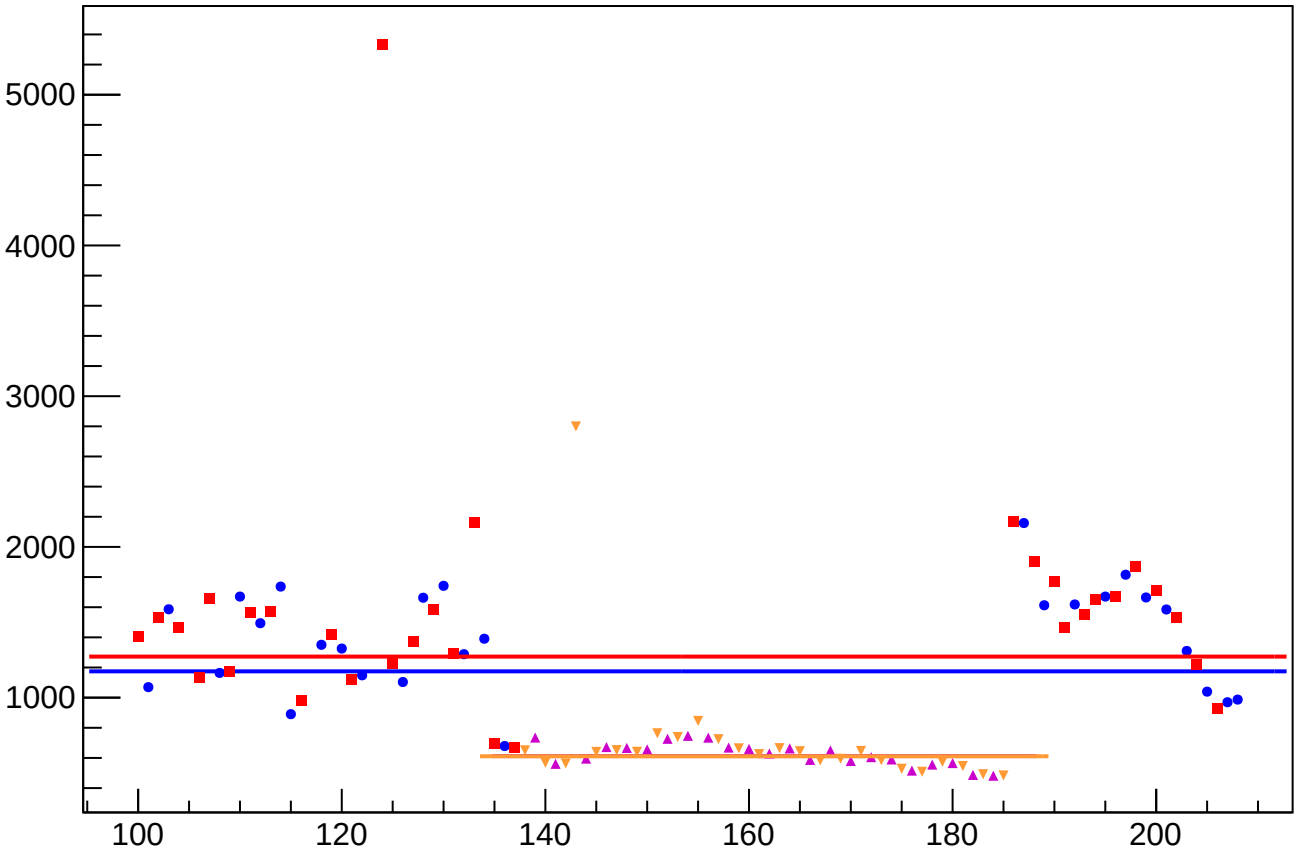
Right Out: 646.374+/-330.083 χ^2/NDF: 25.2/30

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 687.054+/-129.135 χ^2/NDF: 88.7/51

All: 447.321+/-92.365 χ^2/NDF: 148.9/105

- sign 196.203+/-132.166 χ^2/NDF: 53.1/53



Right In: 1174.513+/-0.219 χ^2/NDF: 2565767.1/26

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1272.438+/-0.233 χ^2/NDF: 2900033.6/30

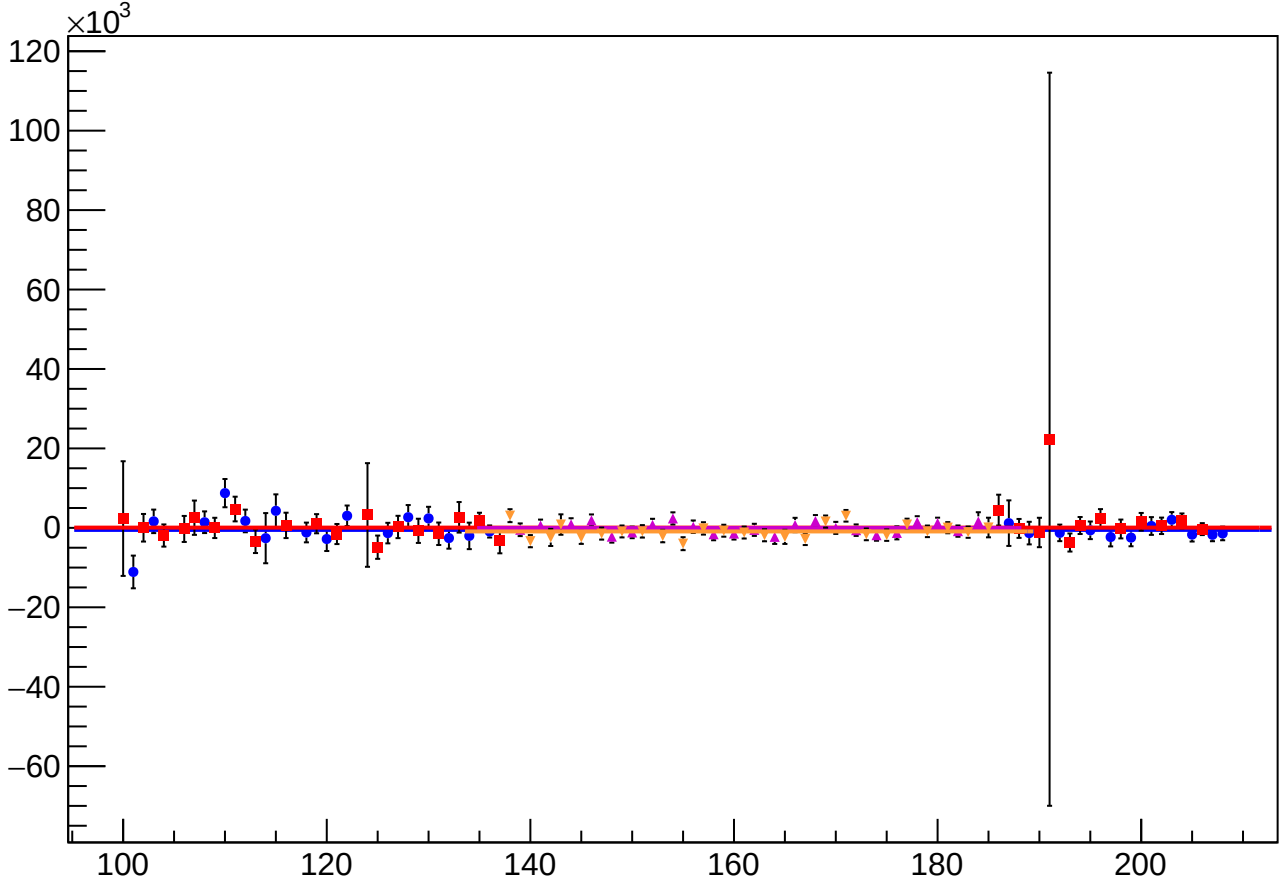
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 709.408+/-0.091 χ^2/NDF: 9669662.7/51

All: 713.710+/-0.065 χ^2/NDF: 19797704.0/10

- sign 718.217+/-0.093 χ^2/NDF: 10123496.4/53

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -515.327+/-469.100 χ^2/NDF: 27.0/26

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 60.104+/-482.403 χ^2/NDF: 17.2/30

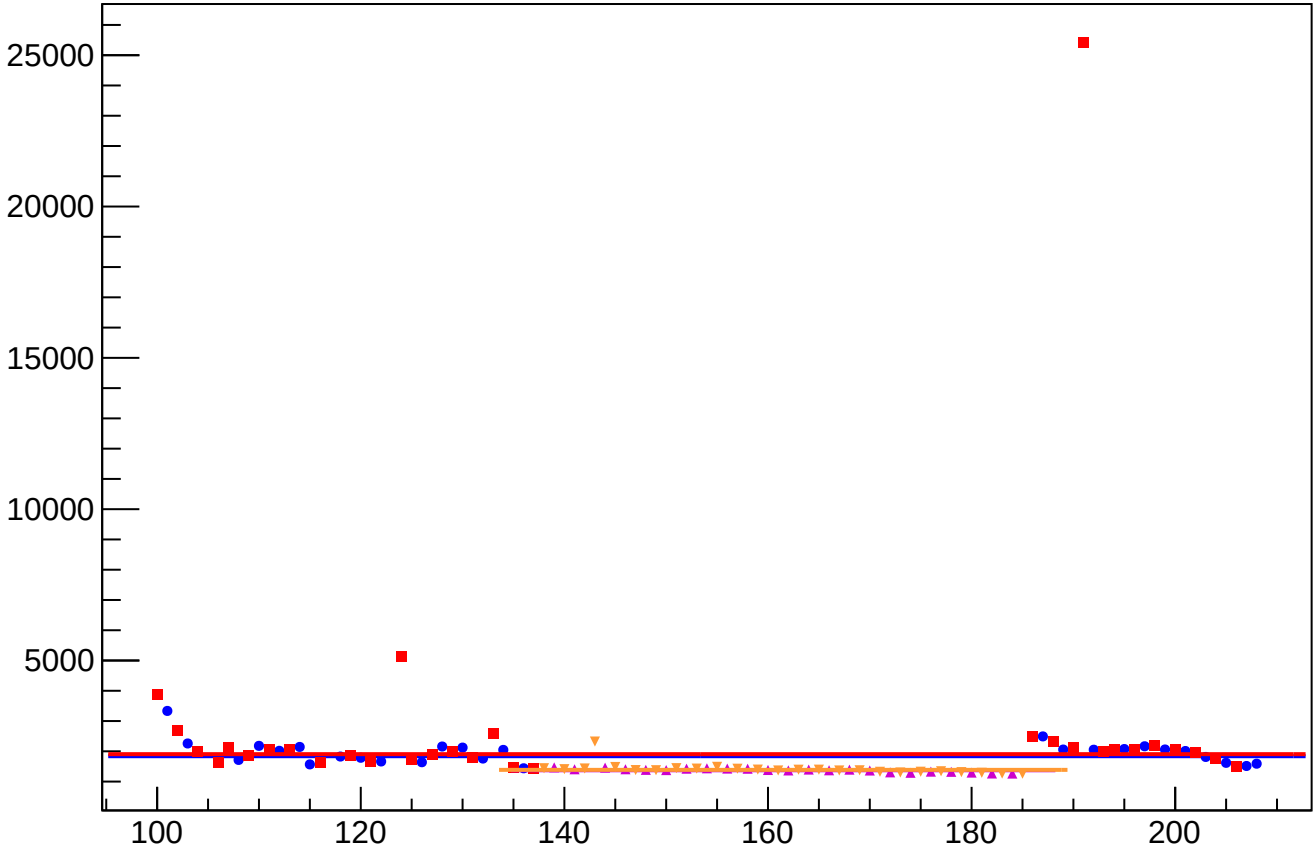
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -779.622+/-262.339 χ^2/NDF: 57.3/51

All: -404.310+/-187.197 χ^2/NDF: 96.6/105

- sign -14.957+/-267.201 χ^2/NDF: 35.1/53

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1838.153+/-0.332 χ^2/NDF: 863262.8/26

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

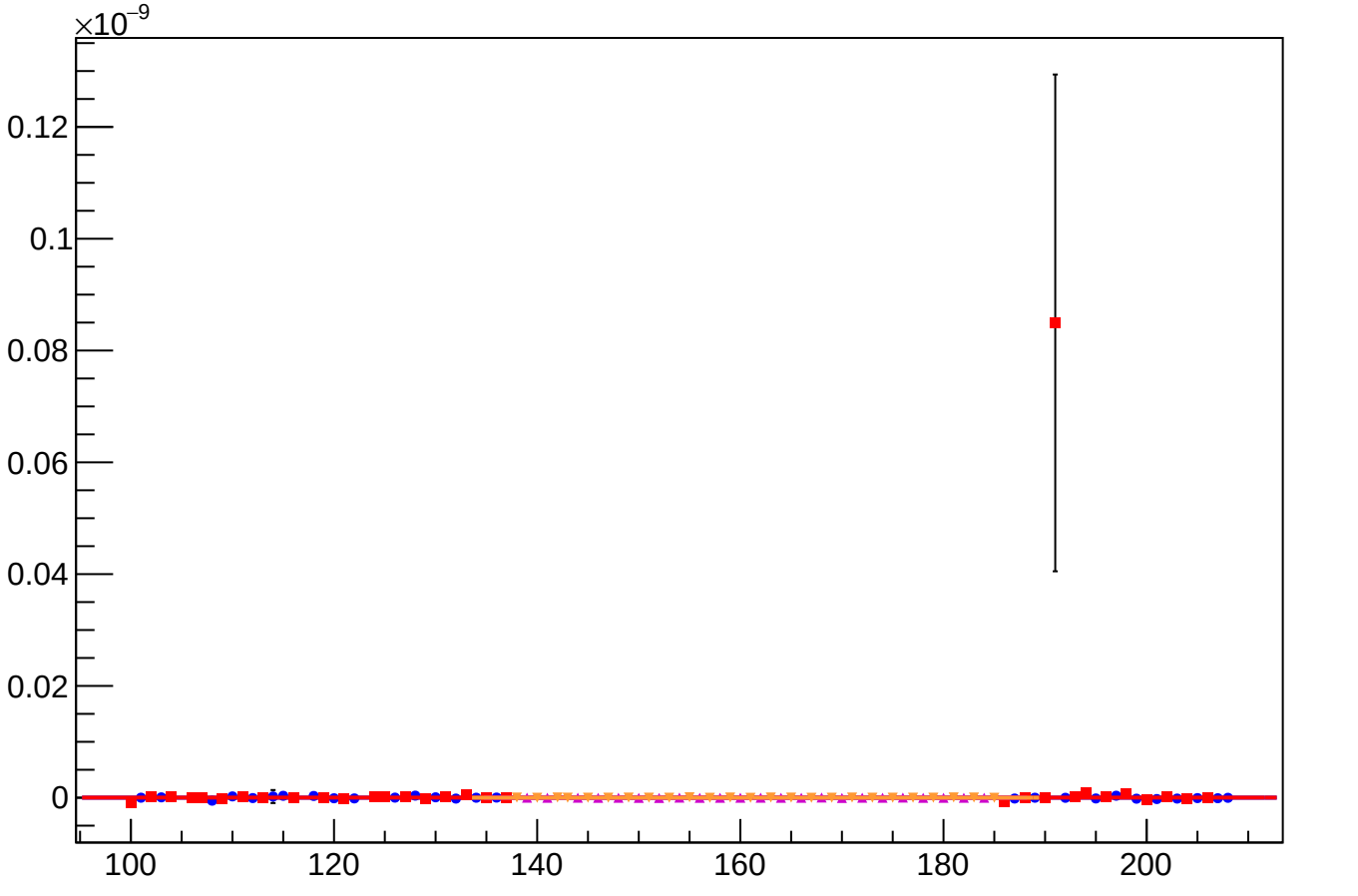
Right Out: 1905.838+/-0.341 χ^2/NDF: 991223.5/30

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1527.990+/-0.186 χ^2/NDF: 2475277.4/51

All: 1532.229+/-0.132 χ^2/NDF: 5222117.1/10

- sign 1536.626+/-0.189 χ^2/NDF: 2745775.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

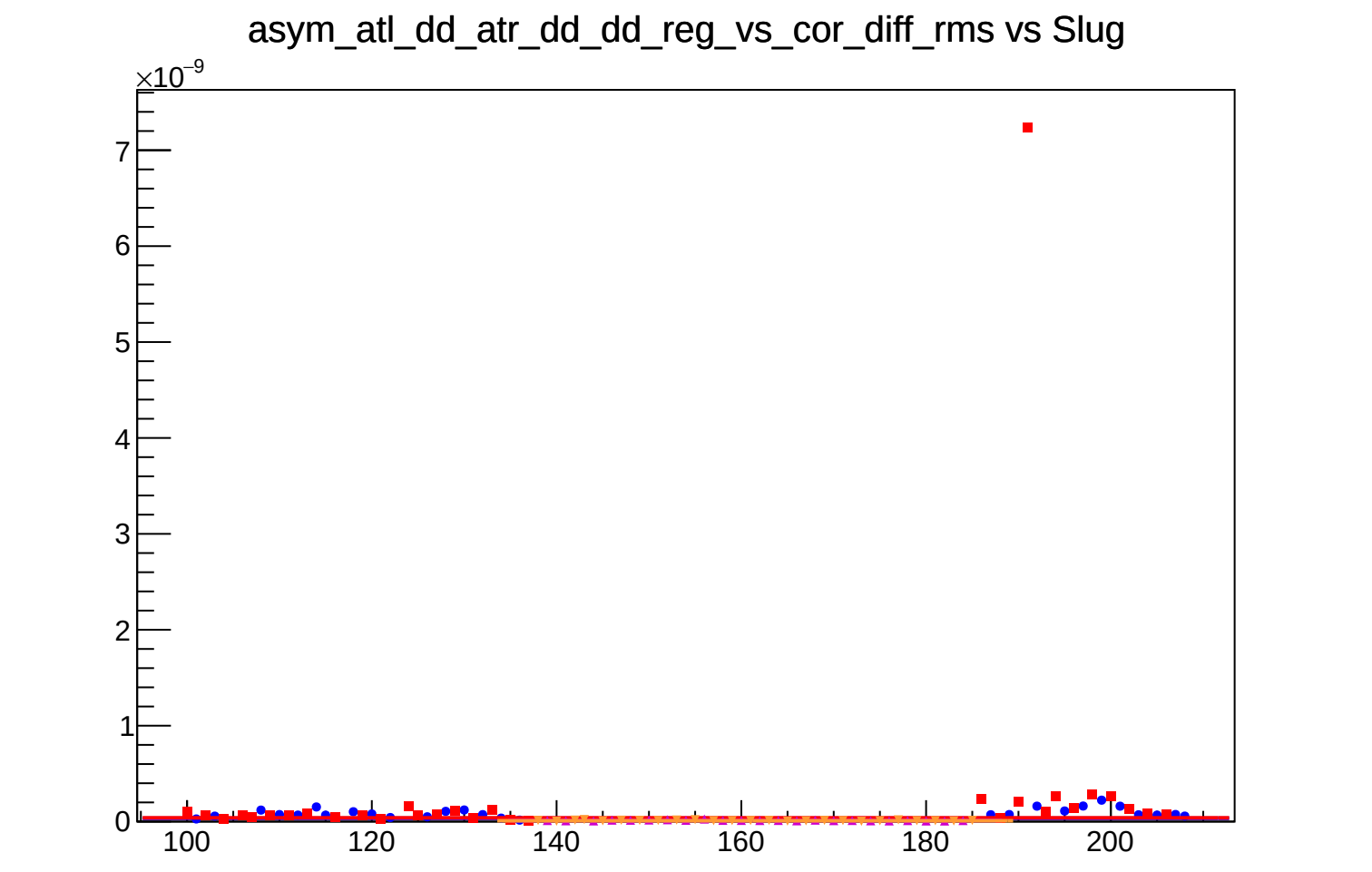
Right Out: 0.000+/-0.000 χ^2/NDF: 46.1/30

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.9/51

All: 0.000+/-0.000 χ^2/NDF: 109.2/105

- sign -0.000+/-0.000 χ^2/NDF: 60.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 6001472.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

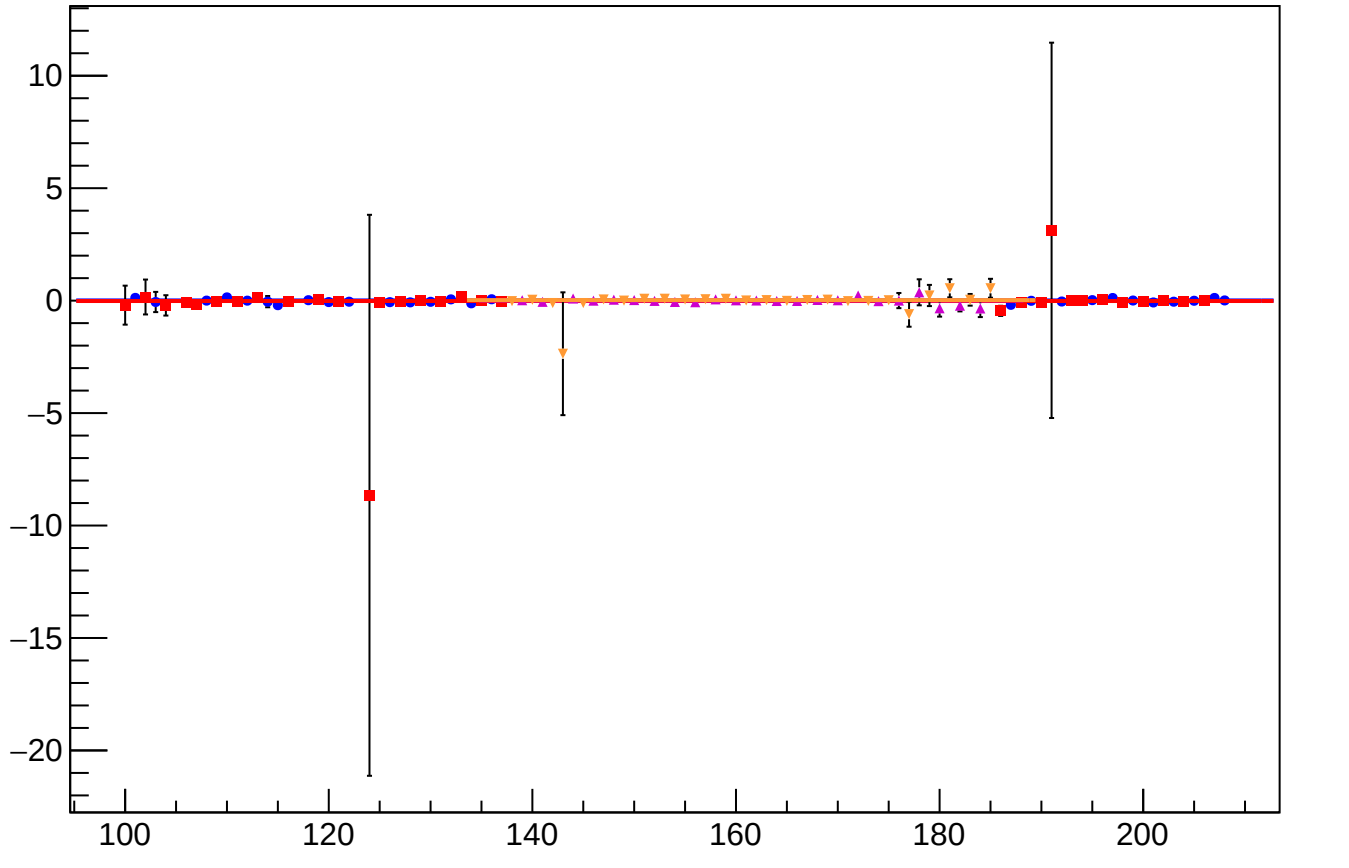
Right Out: 0.000+/-0.000 χ^2/NDF: 6427018.8/30

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12239215.0/51

All: 0.000+/-0.000 χ^2/NDF: 24002001.2/105

- sign 0.000+/-0.000 χ^2/NDF: 11504039.2/53



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.011 χ^2/NDF: 22.5/30

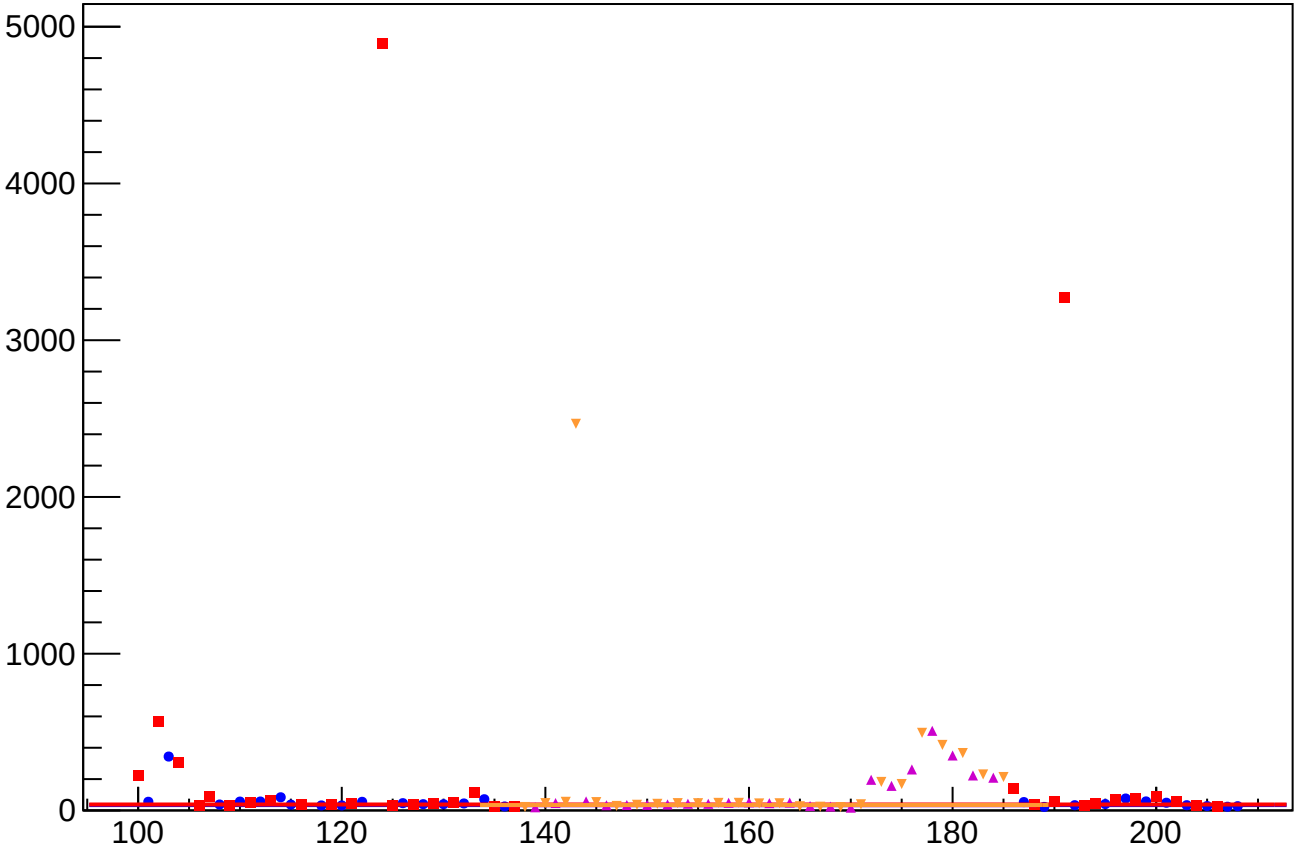
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 66.0/51

All: 0.007+/-0.005 χ^2/NDF: 109.4/105

- sign -0.002+/-0.007 χ^2/NDF: 40.4/53

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.255+/-0.007 χ^2/NDF: 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

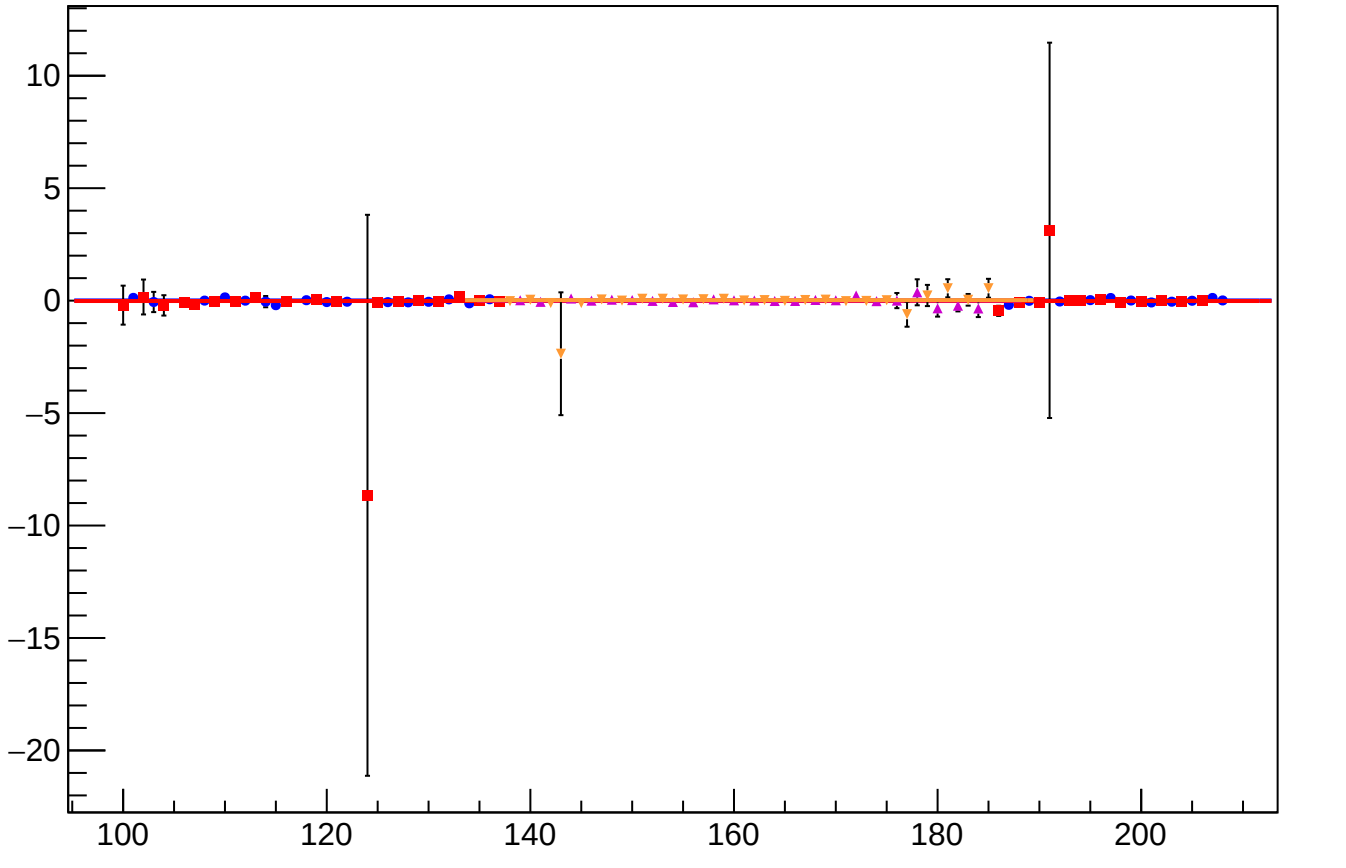
Right Out: 38.062+/-0.008 χ^2/NDF: 5845374.8/30

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 34.436+/-0.005 χ^2/NDF: 14964426.0/51

All: 34.960+/-0.004 χ^2/NDF: 31075495.0/105

- sign 35.534+/-0.005 χ^2/NDF: 16088509.5/53



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

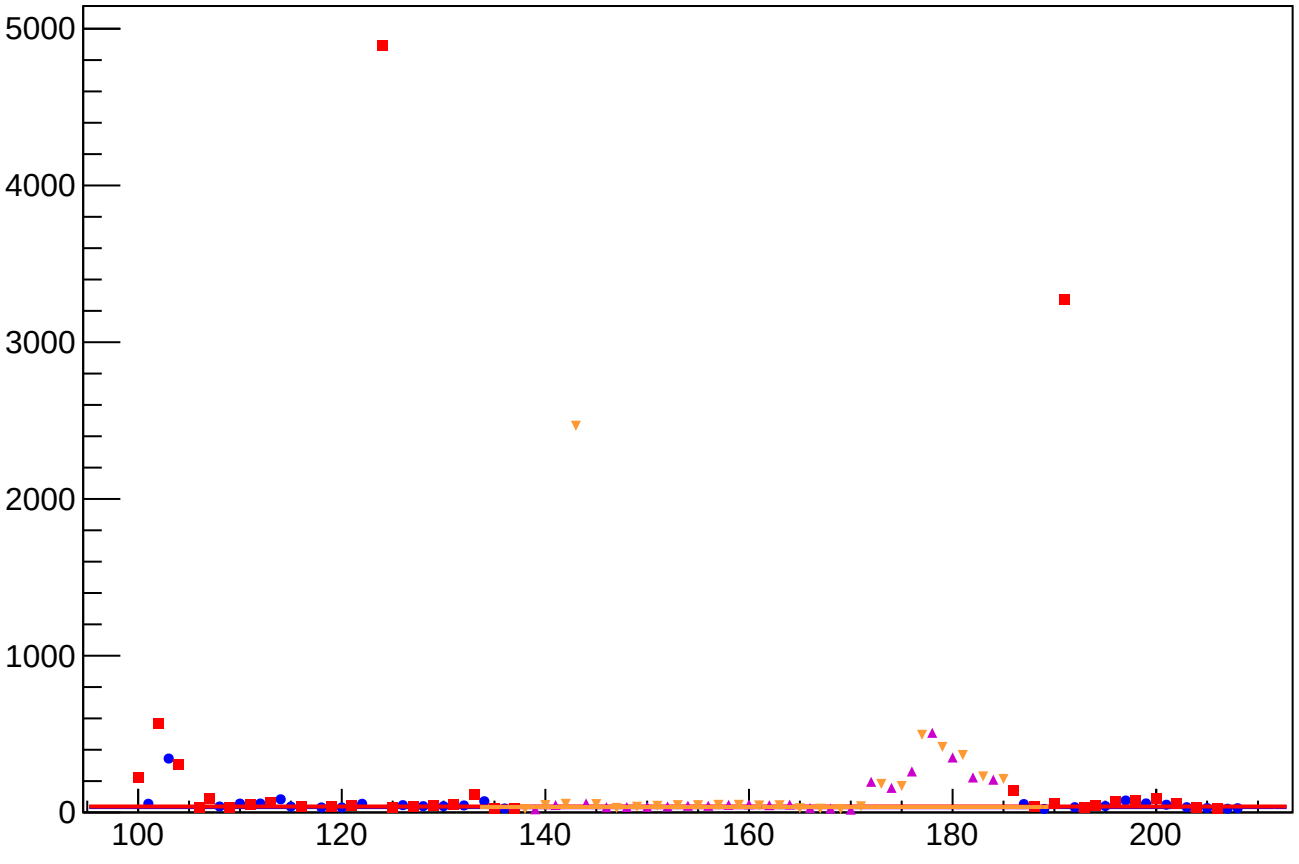
Right Out: -0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 66.0/51

All: 0.007+/-0.005 χ^2/NDF: 109.4/105

- sign -0.002+/-0.007 χ^2/NDF: 40.4/53



Right In: 34.255+/-0.007 χ^2/NDF: 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

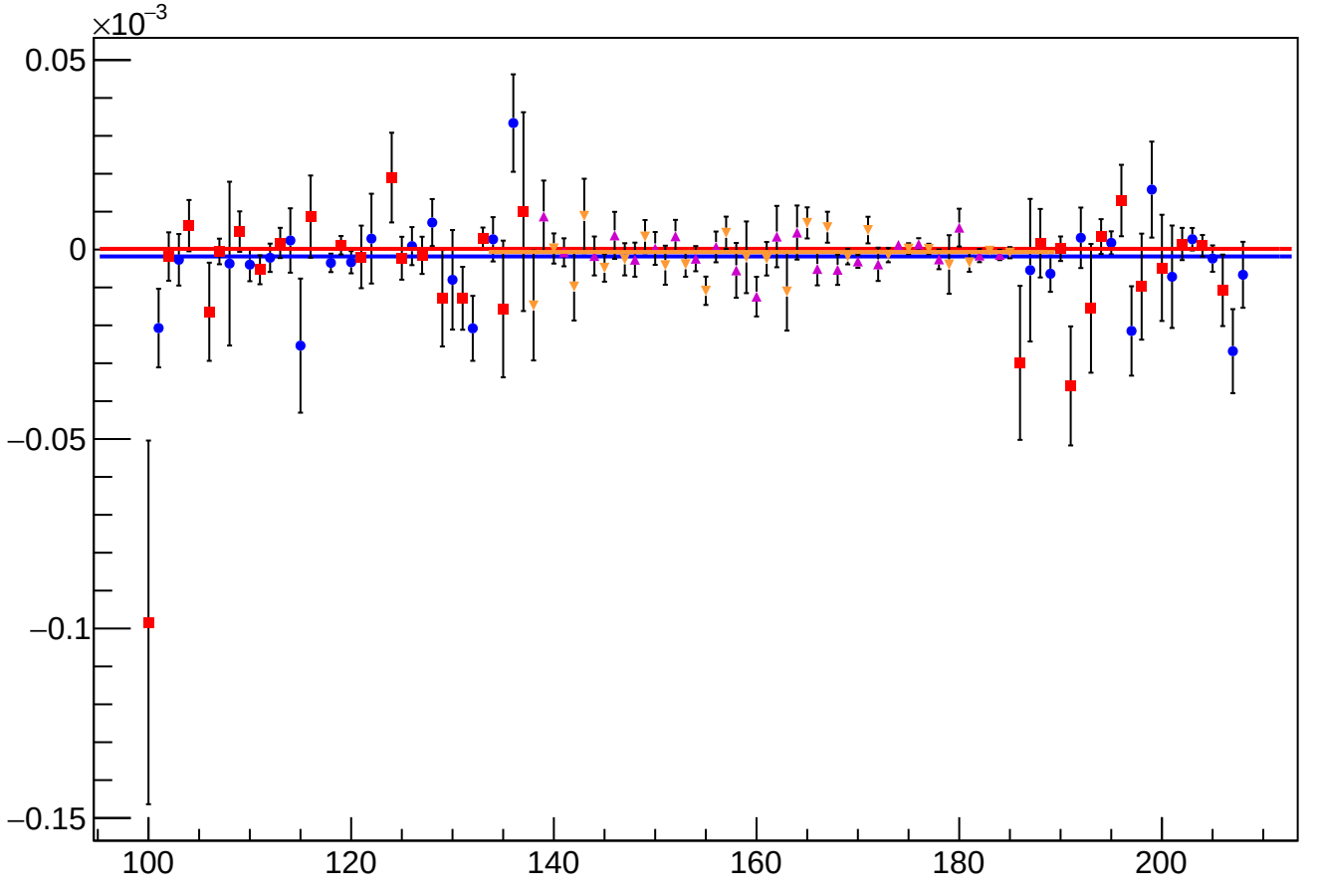
Right Out: 38.062+/-0.008 χ^2/NDF: 5845374.8/30

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 34.436+/-0.005 χ^2/NDF: 14964426.0/51

All: 34.960+/-0.004 χ^2/NDF: 31075495.0/105

- sign 35.534+/-0.005 χ^2/NDF: 16088509.5/53



Right In: -0.000+/-0.000 χ^2/NDF: 37.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

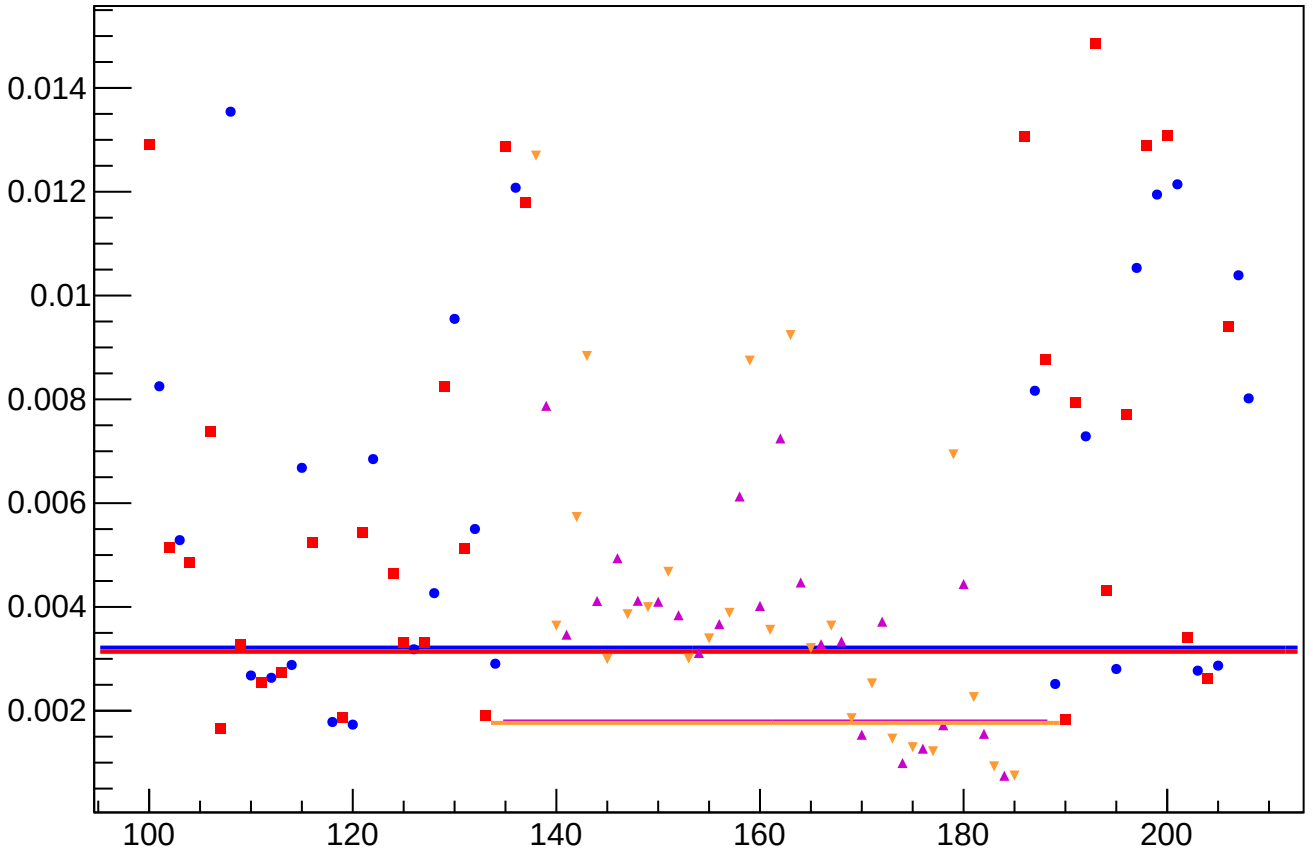
Right Out: 0.000+/-0.000 χ^2/NDF: 31.7/30

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.0/51

All: -0.000+/-0.000 χ^2/NDF: 121.7/105

- sign -0.000+/-0.000 χ^2/NDF: 54.2/53



Right In: 0.003+/-0.000 χ^2/NDF: 9130058.9/26

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

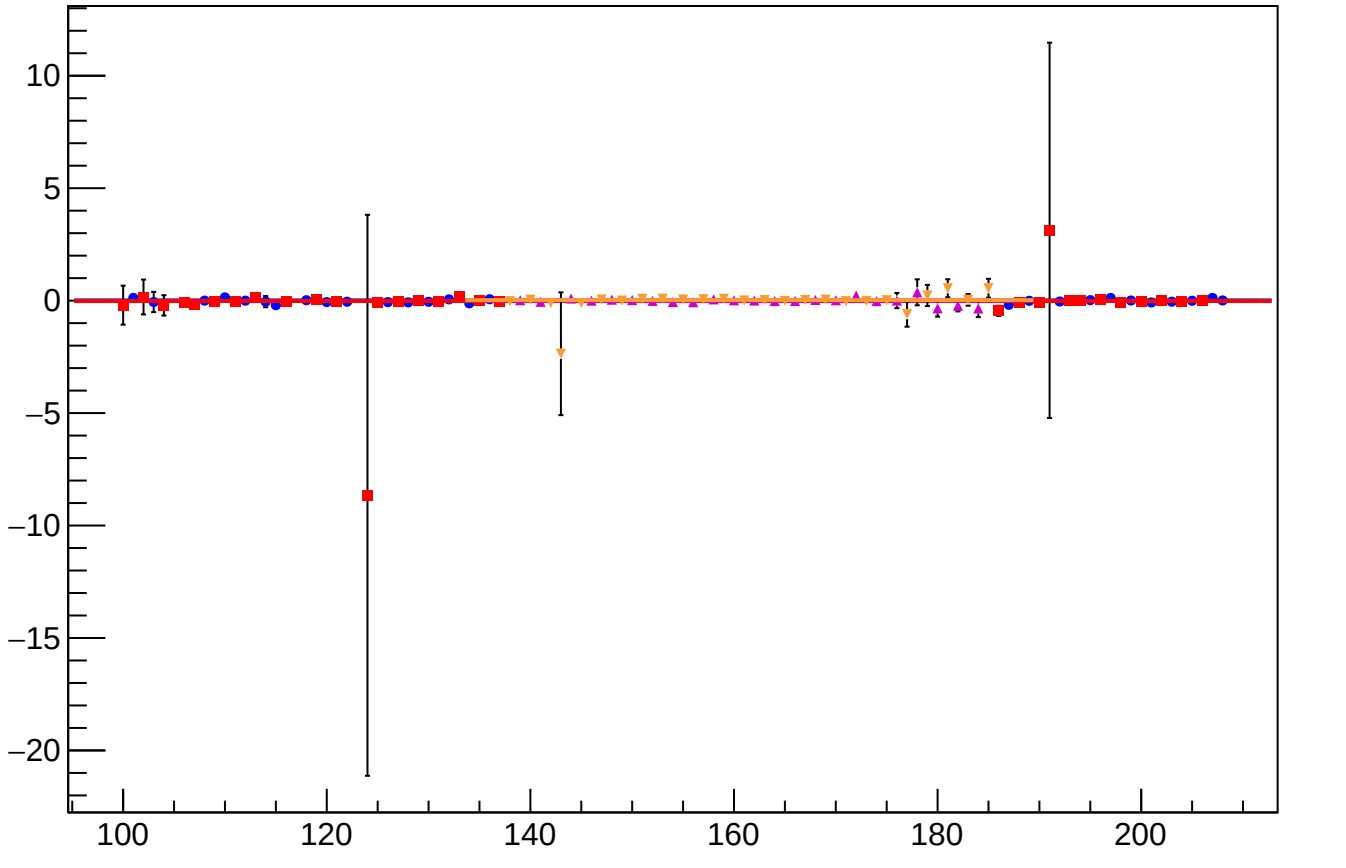
Right Out: 0.003+/-0.000 χ^2/NDF: 9758566.1/30

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 25371712.7/51

All: 0.002+/-0.000 χ^2/NDF: 48905851.7/105

- sign 0.002+/-0.000 χ^2/NDF: 23518585.6/53



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

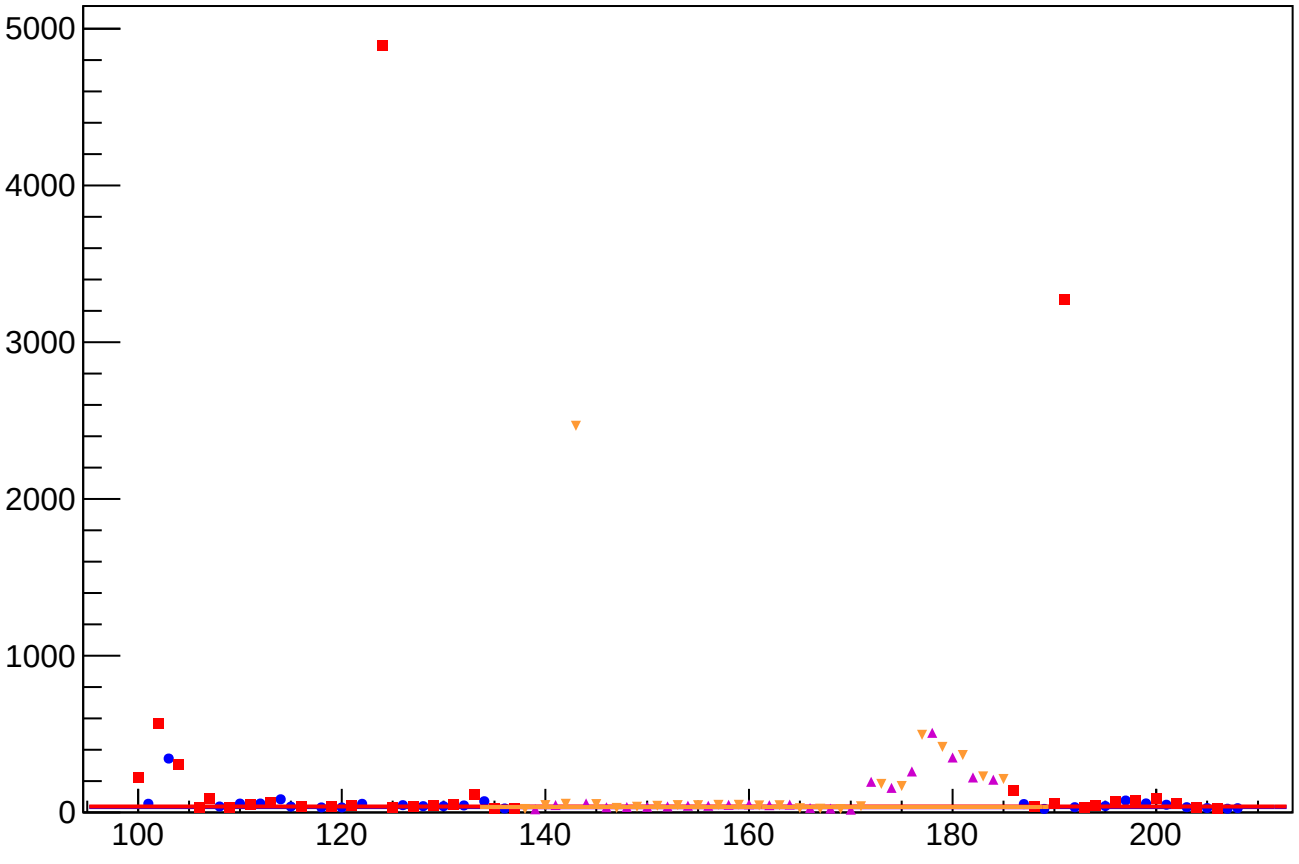
Right Out: -0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 66.0/51

All: 0.007+/-0.005 χ^2/NDF: 109.4/105

- sign -0.002+/-0.007 χ^2/NDF: 40.4/53



Right In: 34.259+/-0.007 χ^2/NDF: 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 38.063+/-0.008 χ^2/NDF: 5845045.3/30

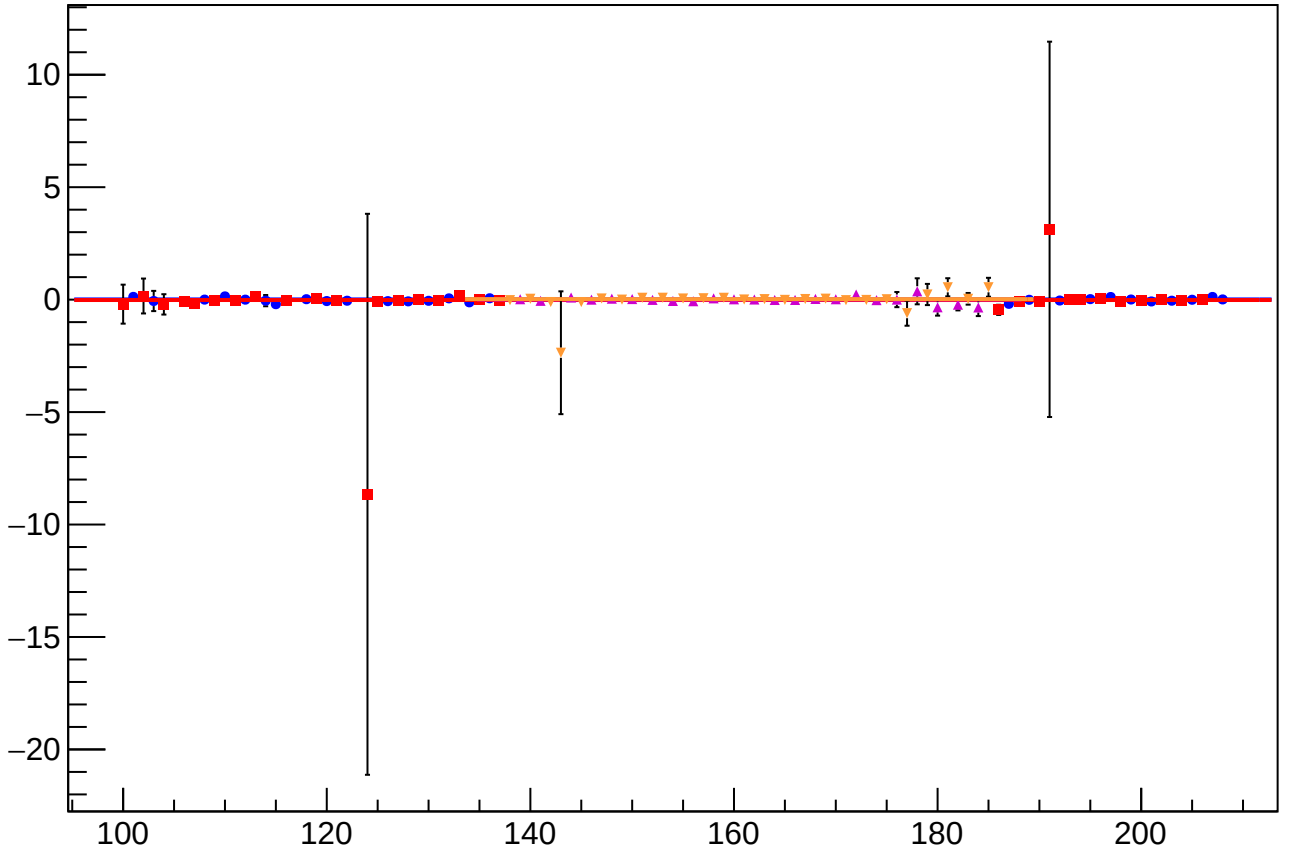
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.437+/-0.005 χ^2/NDF: 14963094.2/51

All: 34.962+/-0.004 χ^2/NDF: 31072478.2/105

- sign 35.536+/-0.005 χ^2/NDF: 16086806.4/53

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

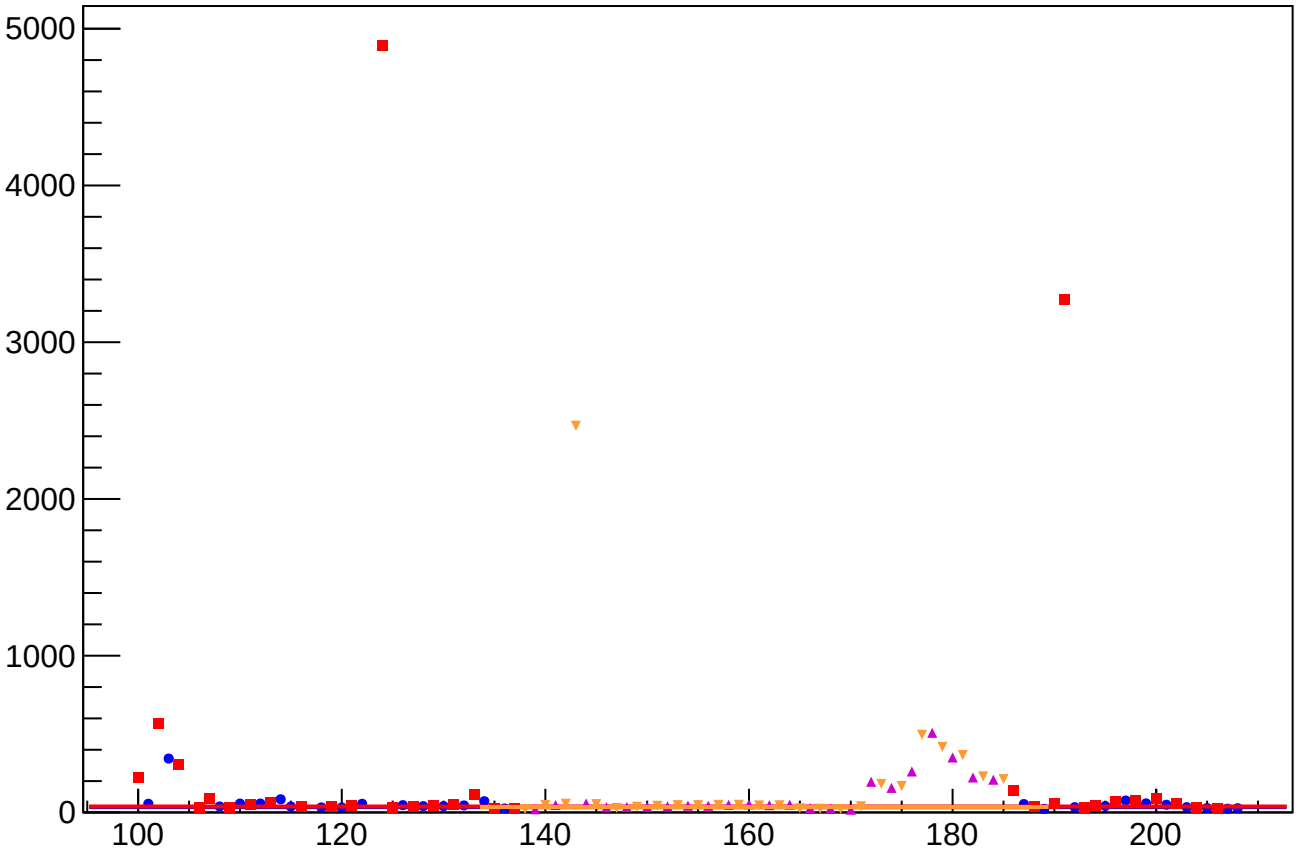
Right Out: -0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 66.0/51

All: 0.007+/-0.005 χ^2/NDF: 109.4/105

- sign -0.002+/-0.007 χ^2/NDF: 40.4/53



Right In: 34.259+/-0.007 χ^2/NDF: 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

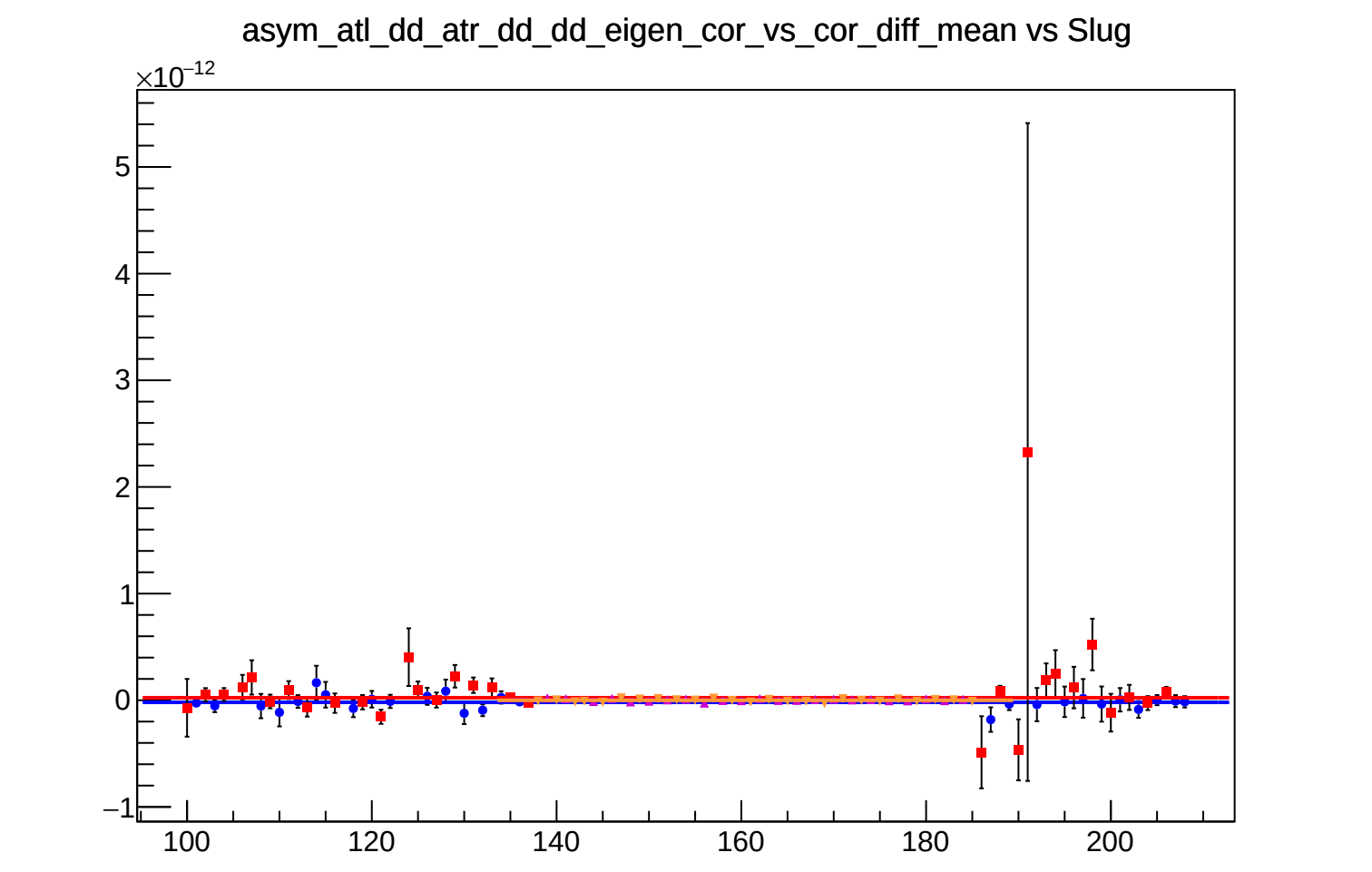
Right Out: 38.063+/-0.008 χ^2/NDF: 5845045.3/30

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.437+/-0.005 χ^2/NDF: 14963094.2/51

All: 34.962+/-0.004 χ^2/NDF: 31072478.2/105

- sign 35.536+/-0.005 χ^2/NDF: 16086806.4/53



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

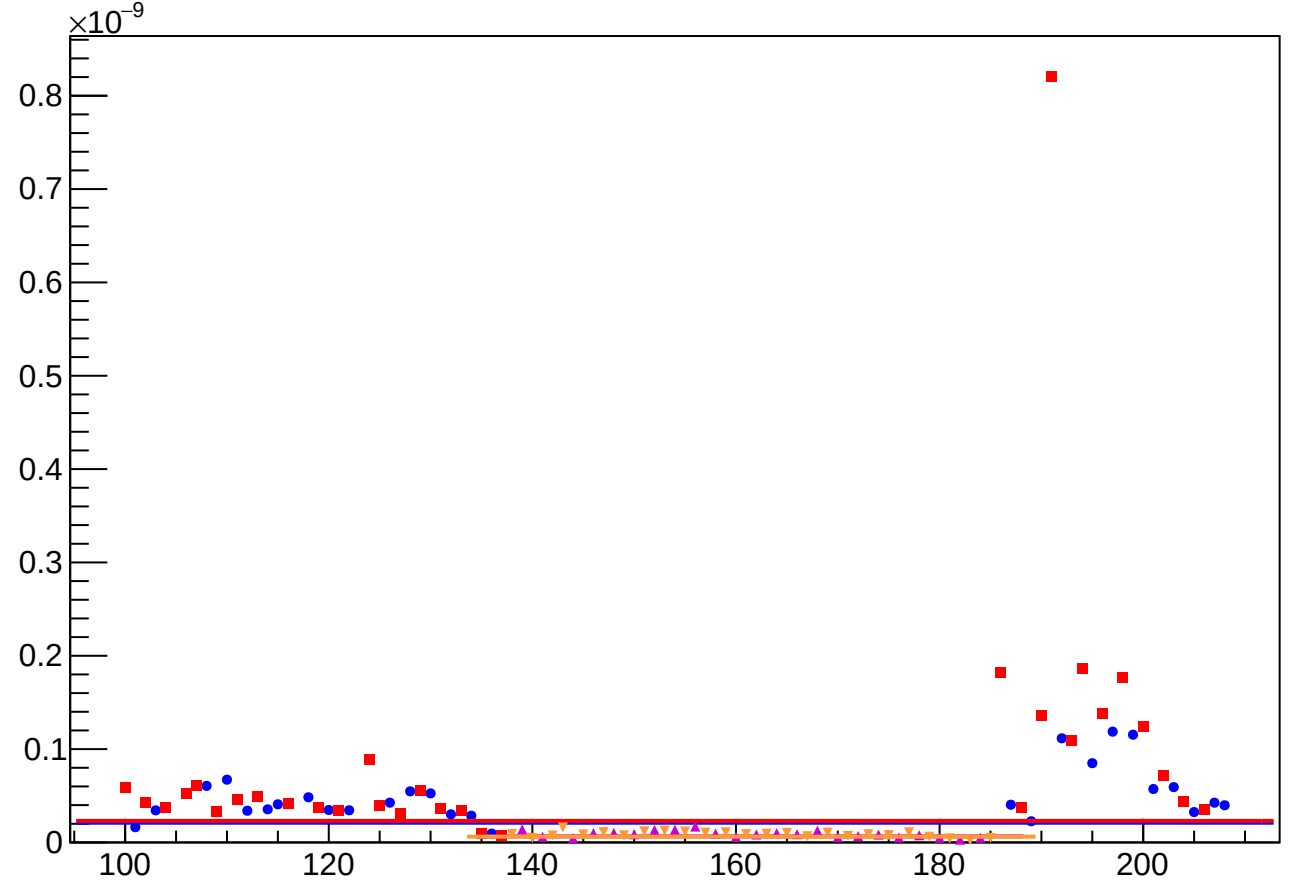
Right Out: 0.000+/-0.000 χ^2/NDF: 44.2/30

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.8/51

All: 0.000+/-0.000 χ^2/NDF: 112.2/105

- sign 0.000+/-0.000 χ^2/NDF: 68.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 7268739.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9604991.0/30

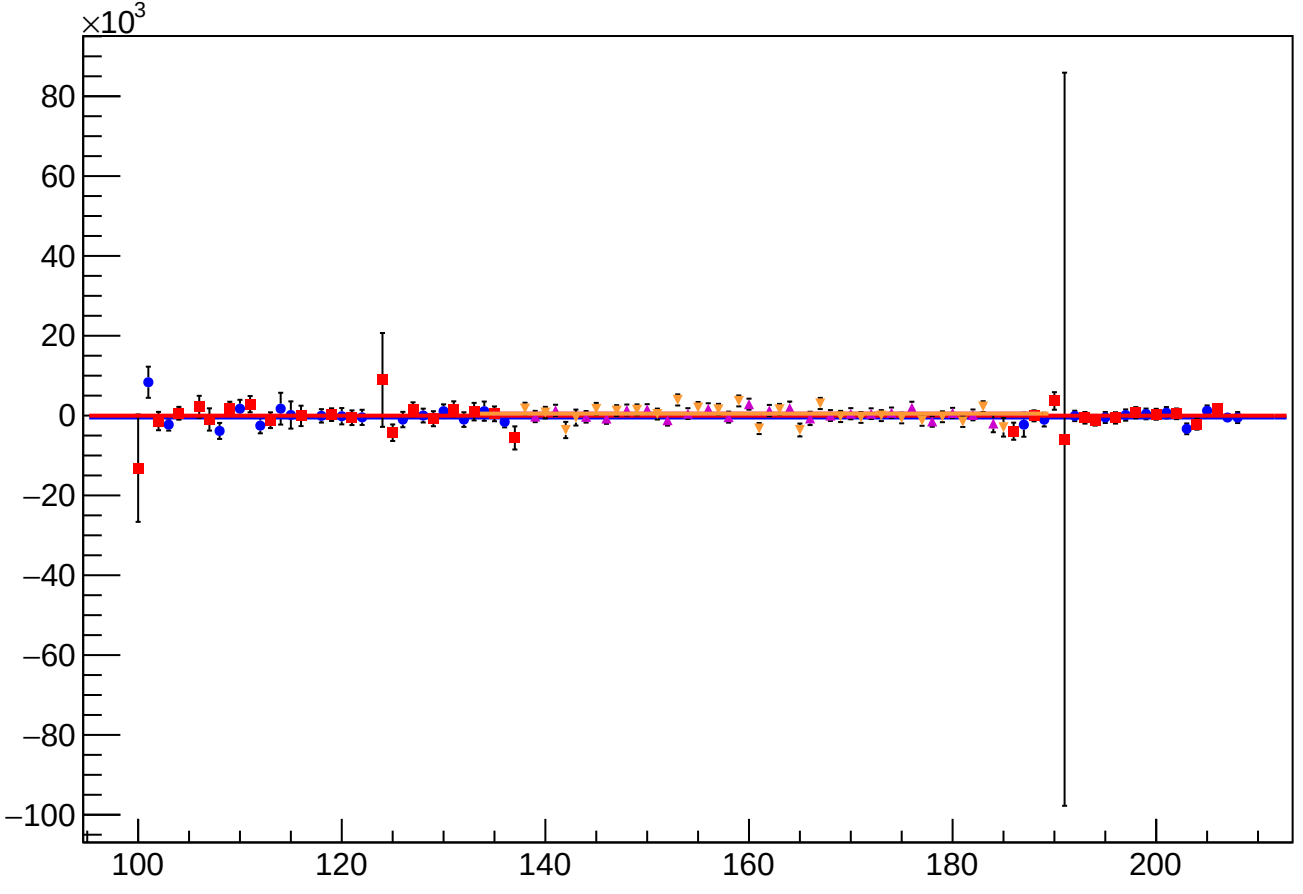
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 17504179.0/51

All: 0.000+/-0.000 χ^2/NDF: 36173571.4/105

- sign 0.000+/-0.000 χ^2/NDF: 18651746.8/53

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -478.949+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -18.212+/-323.963 χ^2/NDF: 28.0/30

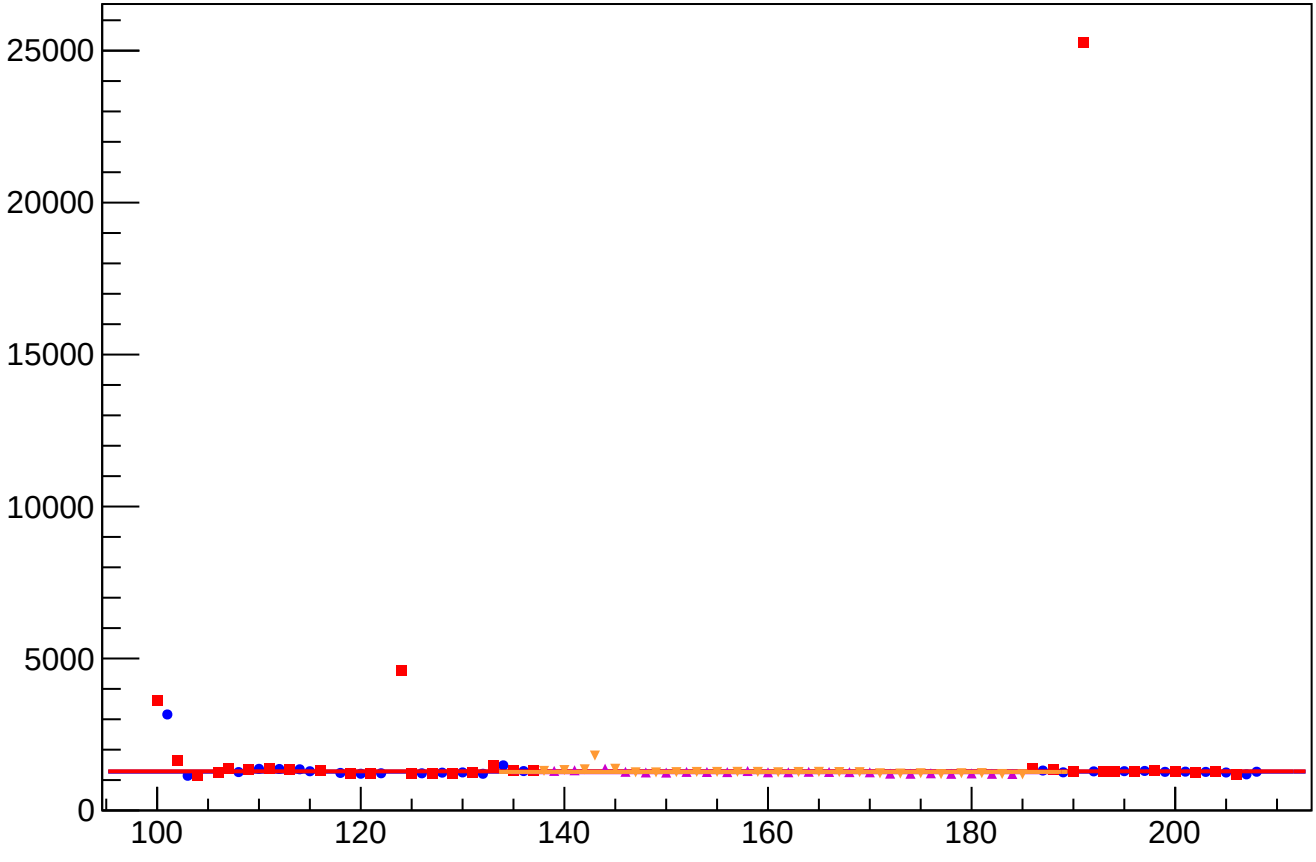
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 61.988+/-215.328 χ^2/NDF: 73.8/51

All: 159.417+/-153.064 χ^2/NDF: 118.0/105

- sign 258.932+/-217.620 χ^2/NDF: 43.8/53

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1276.212+/-0.229 χ^2/NDF: 528341.6/26

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

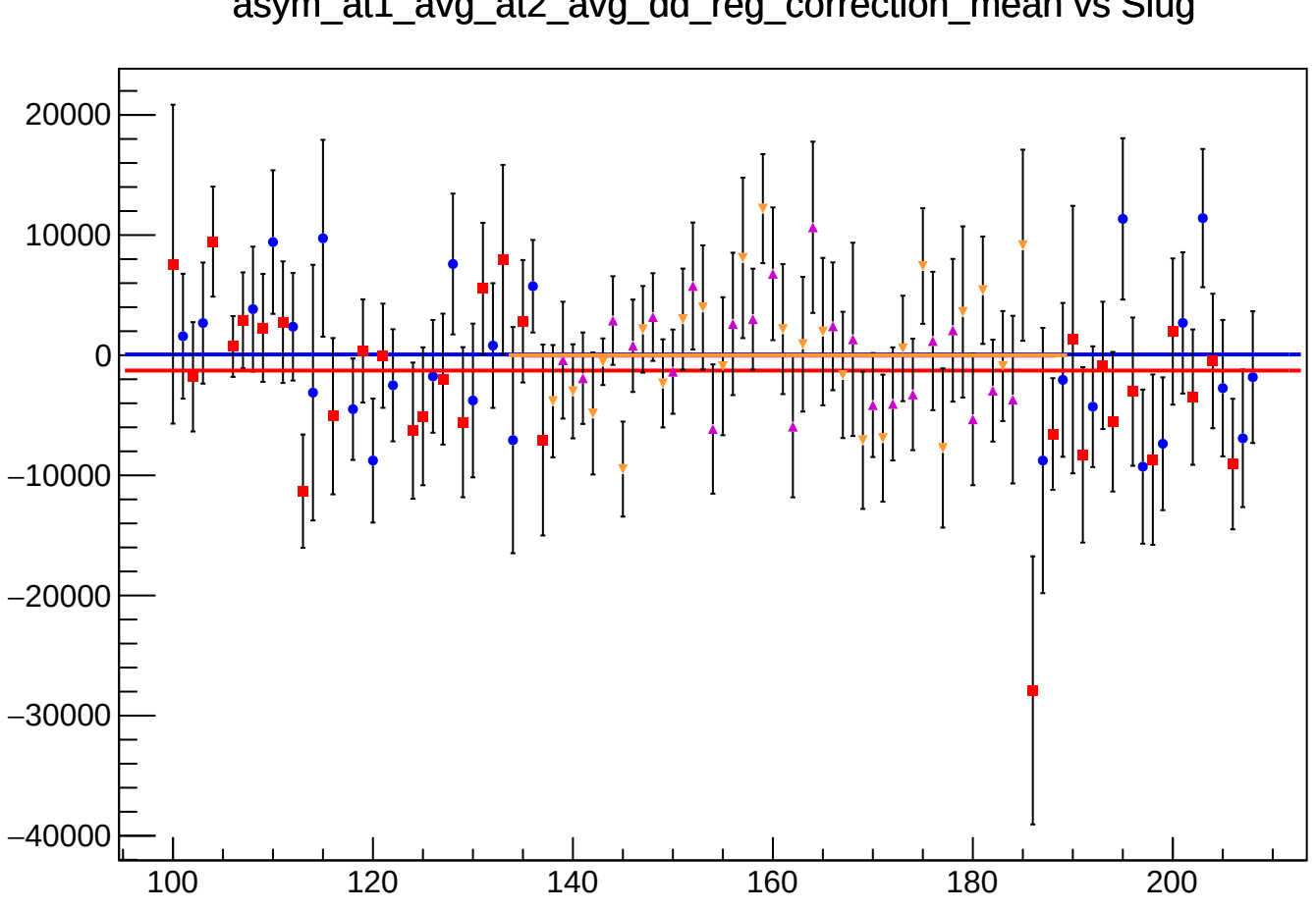
Right Out: 1287.807+/-0.229 χ^2/NDF: 482231.5/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716796.8/51

All: 1271.141+/-0.108 χ^2/NDF: 1245430.1/10

- sign 1271.221+/-0.154 χ^2/NDF: 528632.7/53



Right In: 63.227+/-1069.204 χ^2/NDF: 28.6/26

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

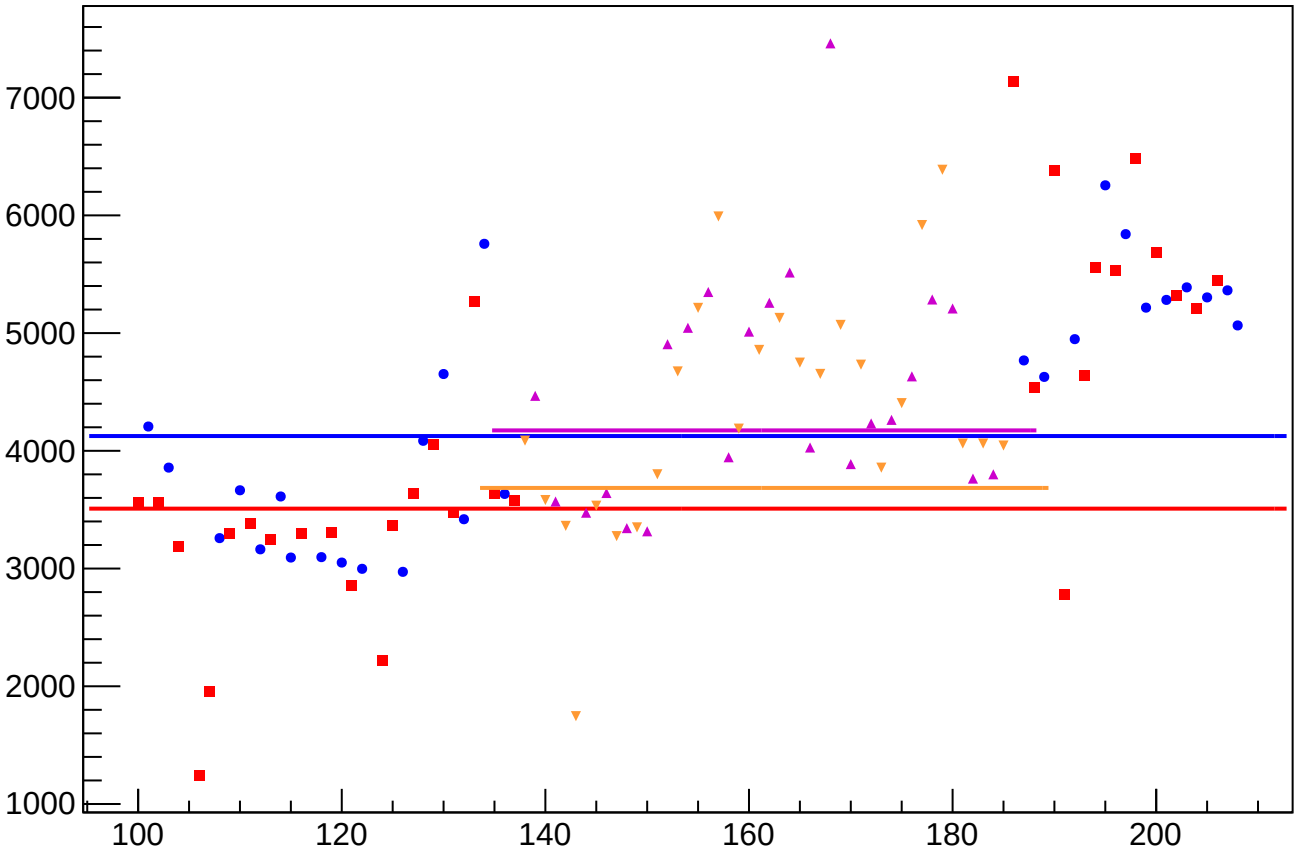
Right Out: -1274.218+/-941.994 χ^2/NDF: 32.1/30

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 25.399+/-682.434 χ^2/NDF: 57.6/51

All: -329.944+/-483.168 χ^2/NDF: 105.1/105

- sign -687.101+/-684.175 χ^2/NDF: 46.9/53



Right In: 4125.558+/-0.756 χ^2/NDF: 1696125.4/26

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3508.883+/-0.666 χ^2/NDF: 4479226.0/30

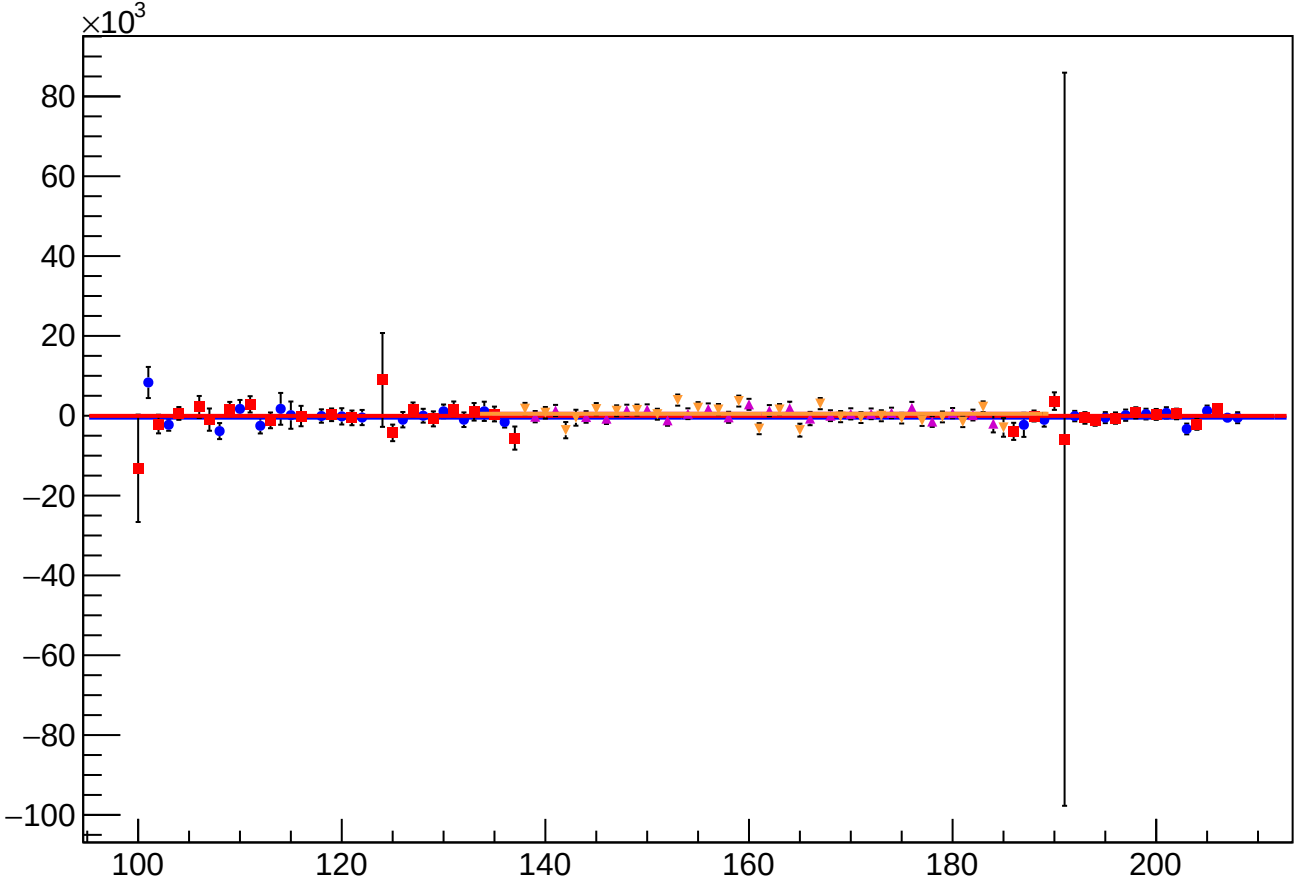
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3864.338+/-0.483 χ^2/NDF: 5591212.3/51

All: 3843.686+/-0.342 χ^2/NDF: 11819552.1/1

\- sign 3822.928+/-0.484 χ^2/NDF: 6224667.3/53

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -31.039+/-324.058 χ^2/NDF: 28.5/30

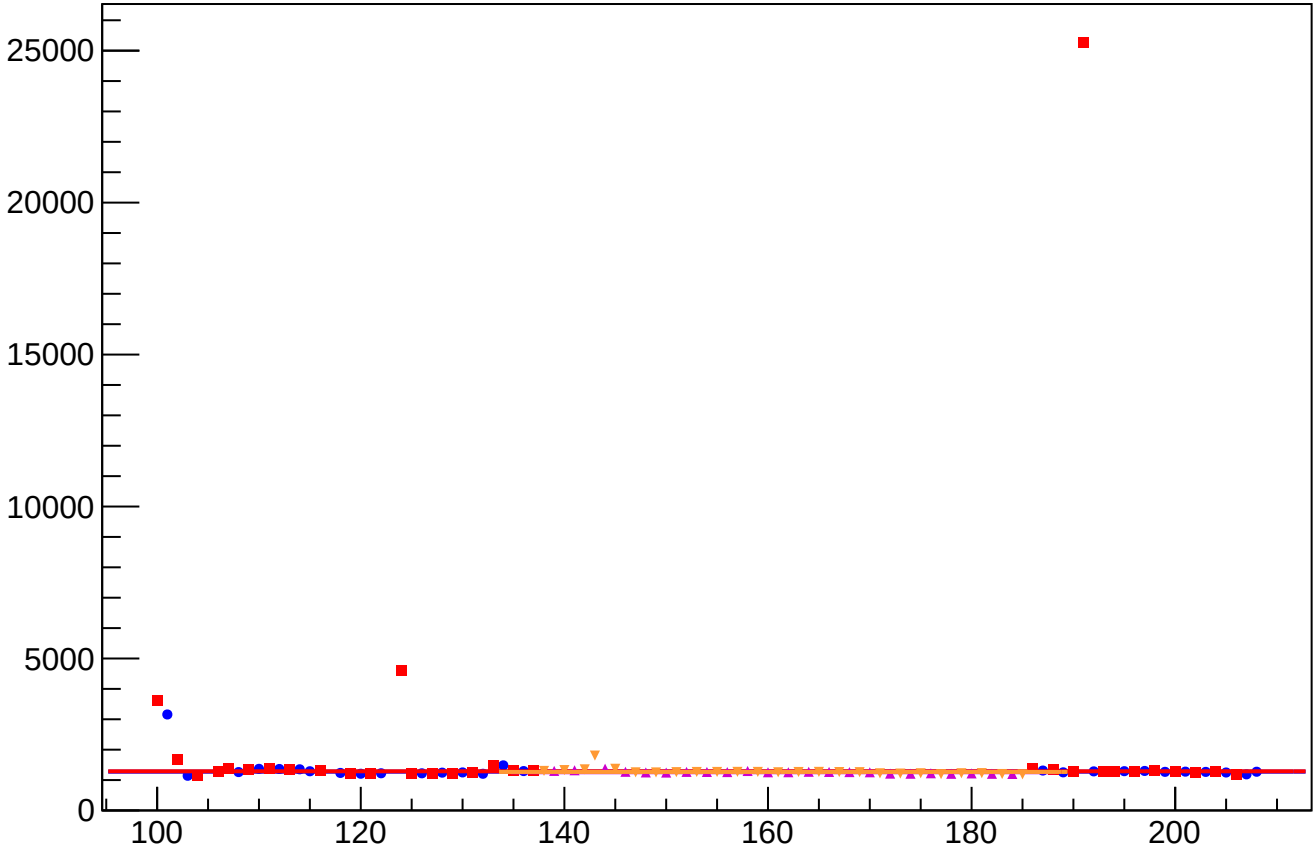
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.935+/-215.328 χ^2/NDF: 73.8/51

All: 156.524+/-153.074 χ^2/NDF: 118.5/105

- sign 253.163+/-217.648 χ^2/NDF: 44.3/53

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

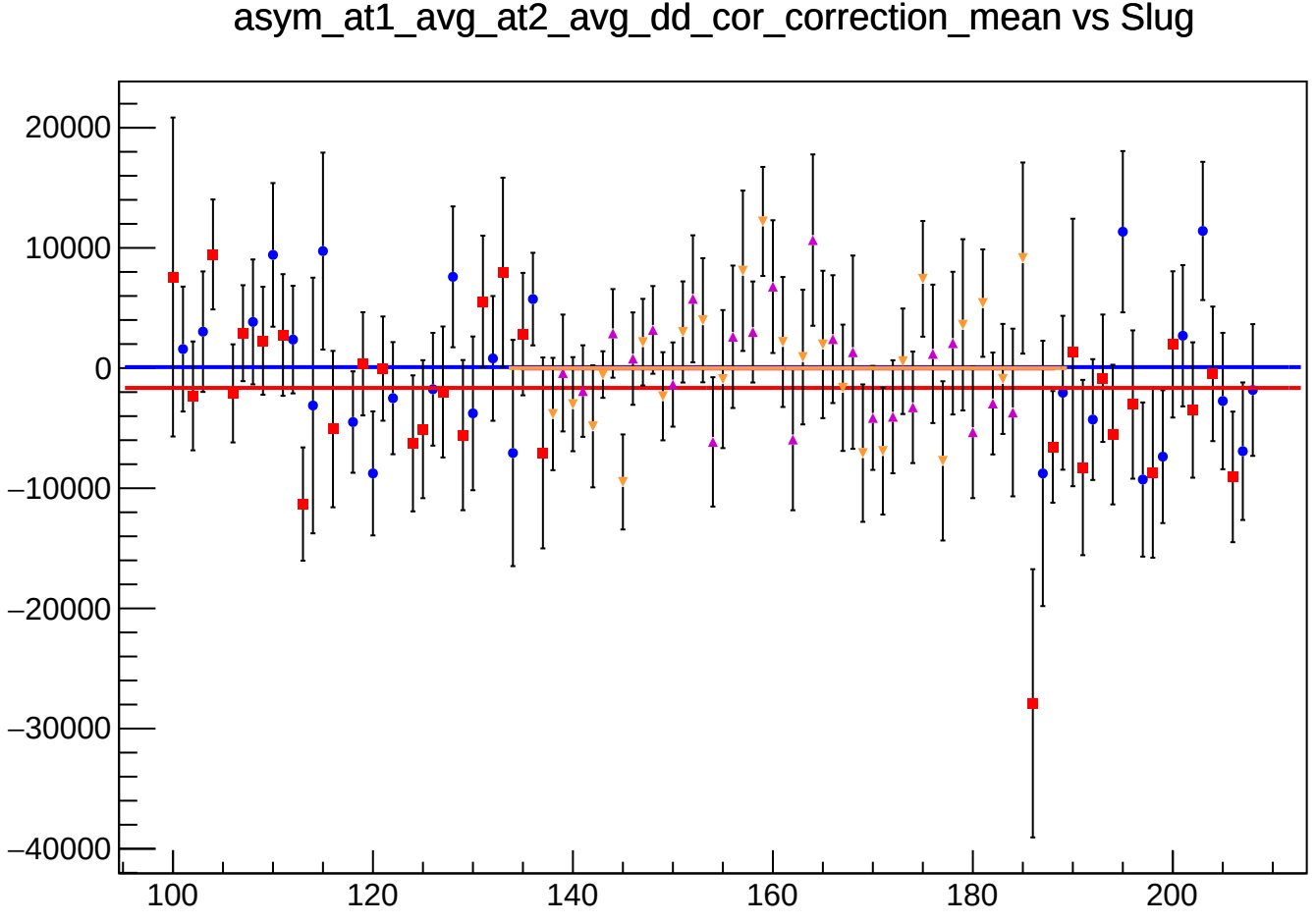
Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716798.2/51

All: 1271.333+/-0.108 χ^2/NDF: 1252918.1/10

- sign 1271.610+/-0.154 χ^2/NDF: 536113.4/53



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

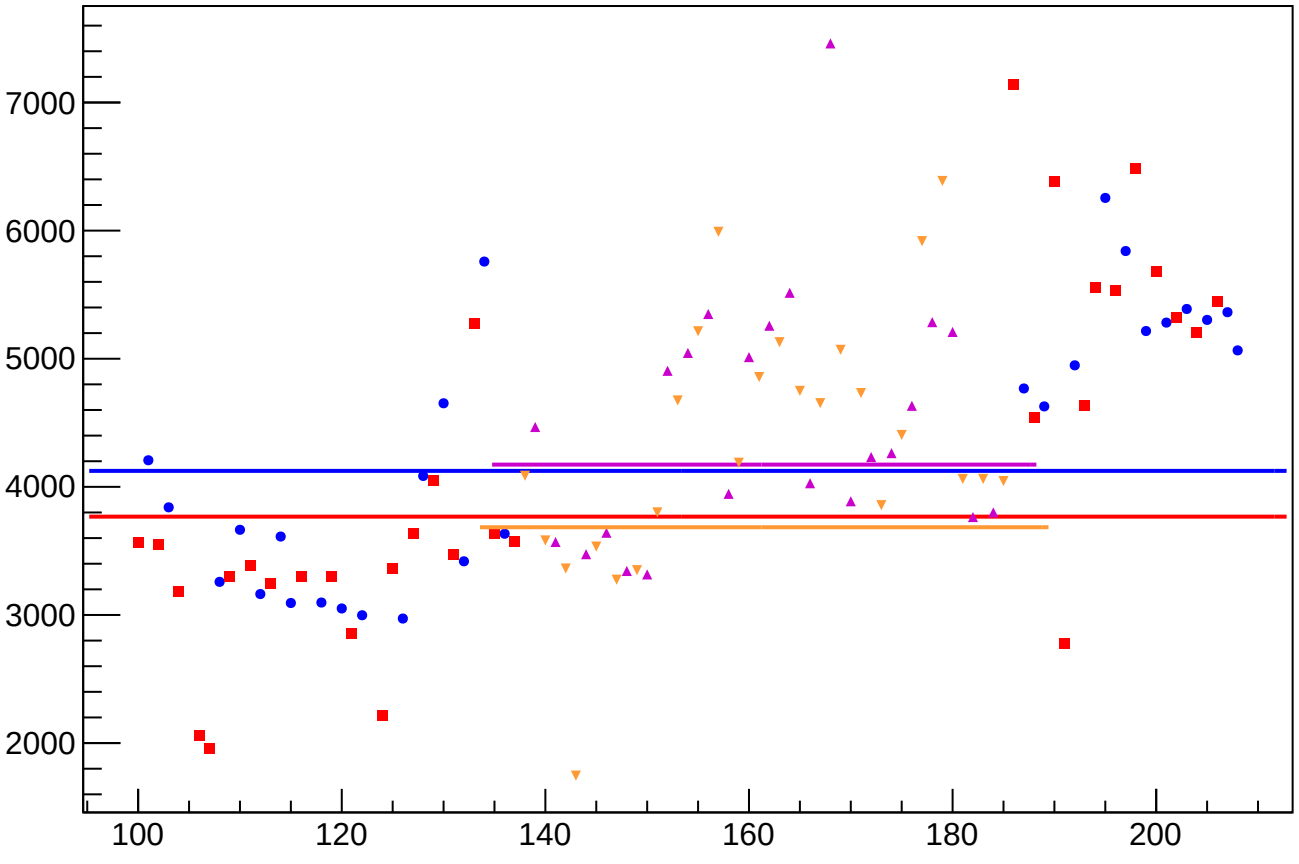
Right Out: -1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 32.411+/-682.372 χ^2/NDF: 57.7/51

All: -397.196+/-488.634 χ^2/NDF: 105.3/105

- sign -849.330+/-700.033 χ^2/NDF: 46.7/53



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

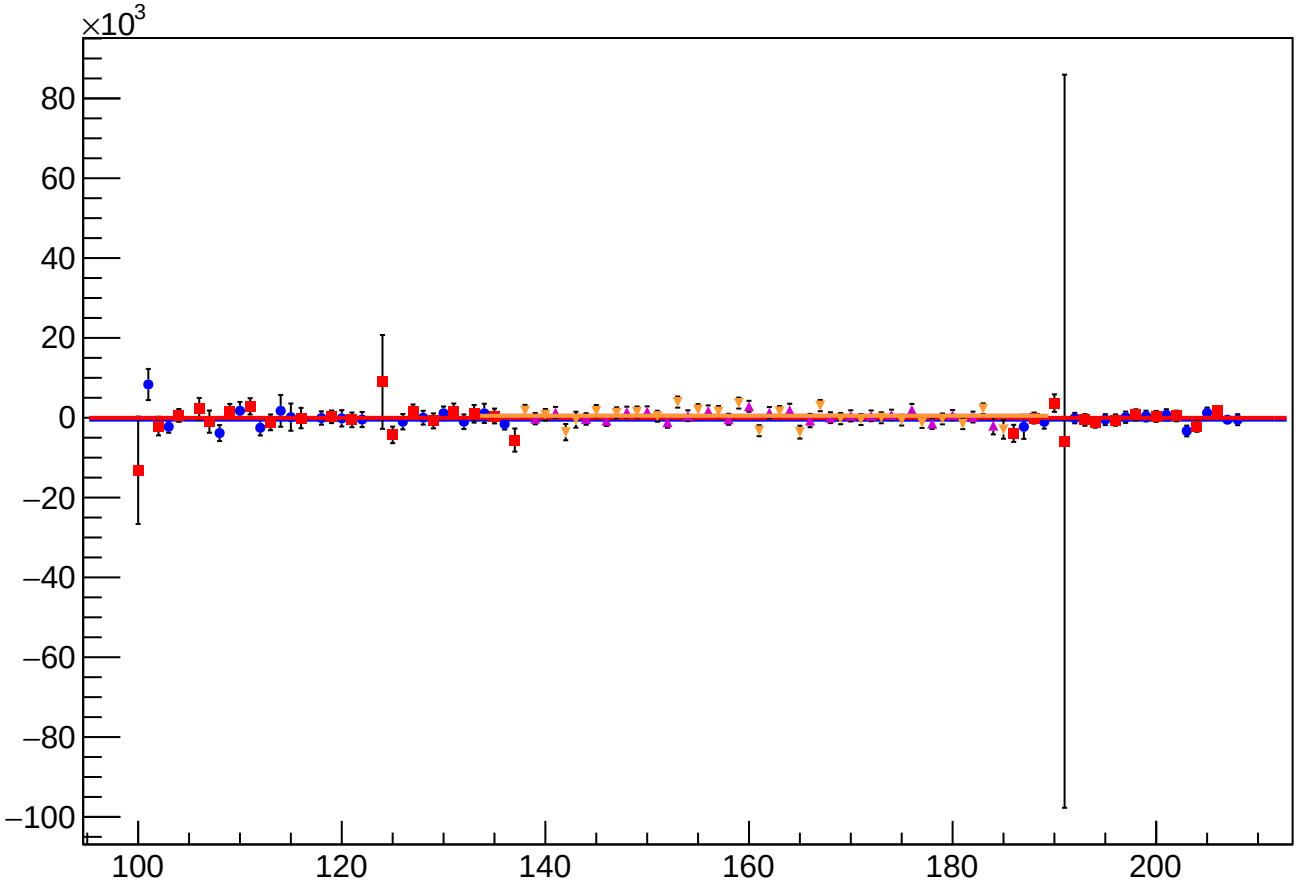
Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3864.026+/-0.483 χ^2/NDF: 5591359.7/51

All: 3914.838+/-0.346 χ^2/NDF: 10043404.8/1

- sign 3968.315+/-0.495 χ^2/NDF: 4429284.0/53



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -31.039+/-324.058 χ^2/NDF: 28.5/30

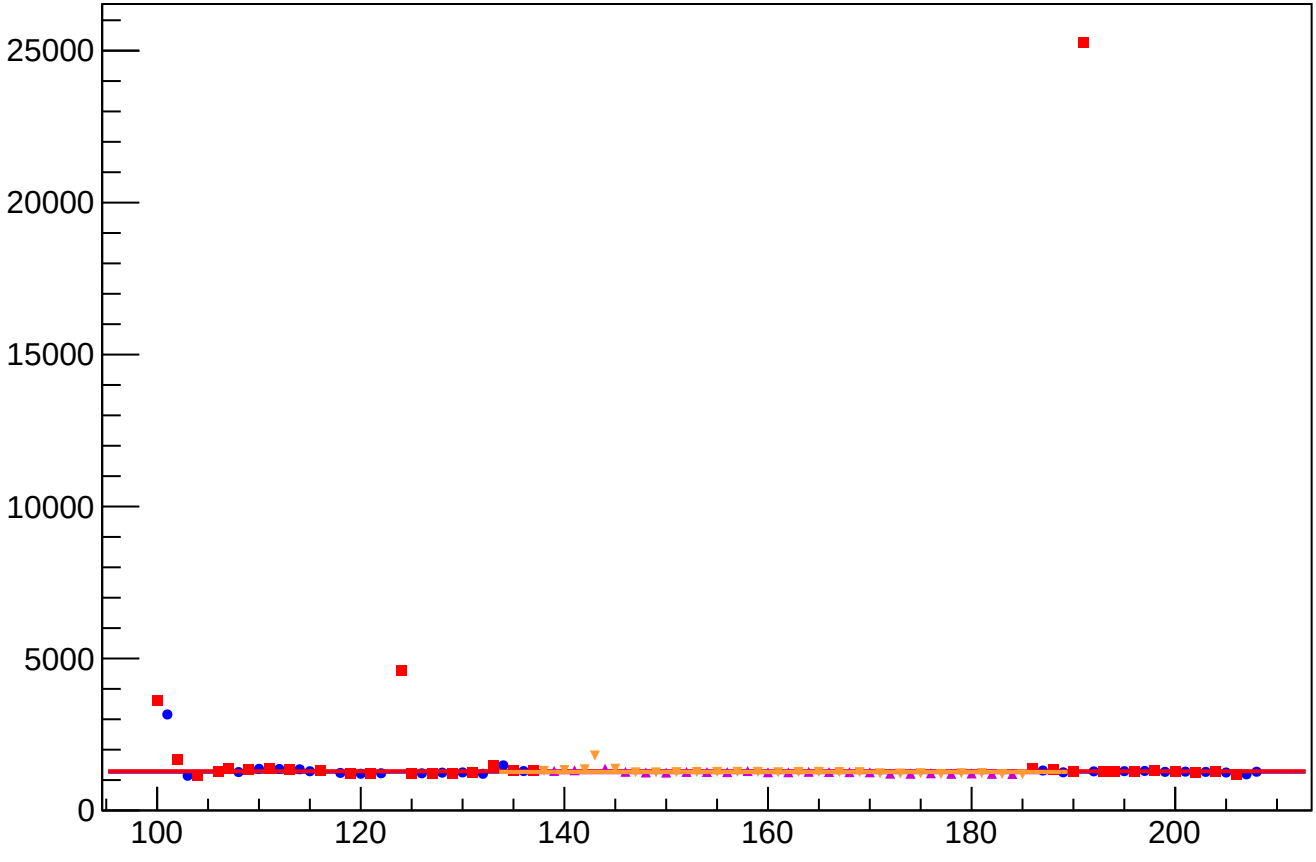
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.935+/-215.328 χ^2/NDF: 73.8/51

All: 156.524+/-153.074 χ^2/NDF: 118.5/105

- sign 253.163+/-217.648 χ^2/NDF: 44.3/53

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

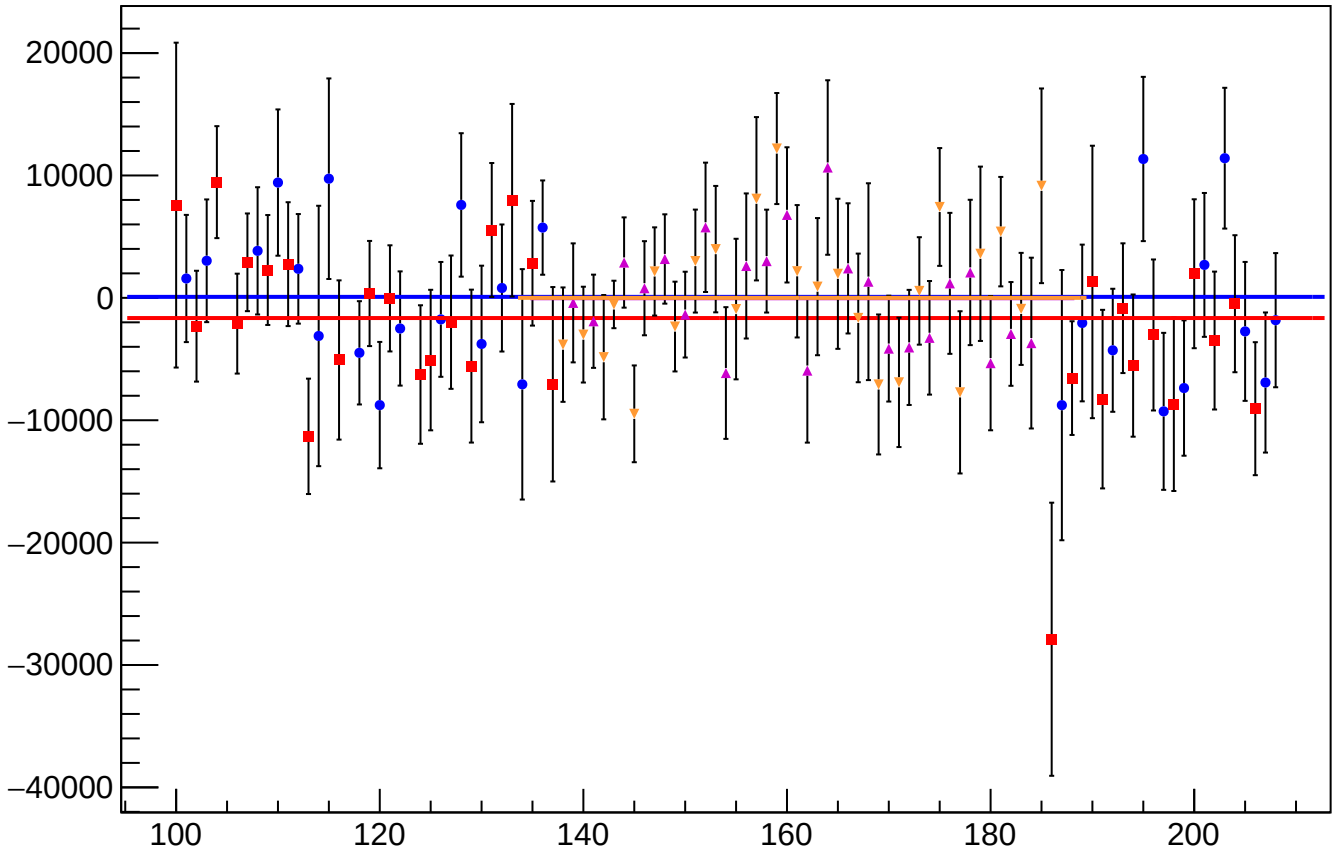
Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716798.2/51

All: 1271.333+/-0.108 χ^2/NDF: 1252918.1/10

- sign 1271.610+/-0.154 χ^2/NDF: 536113.4/53



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

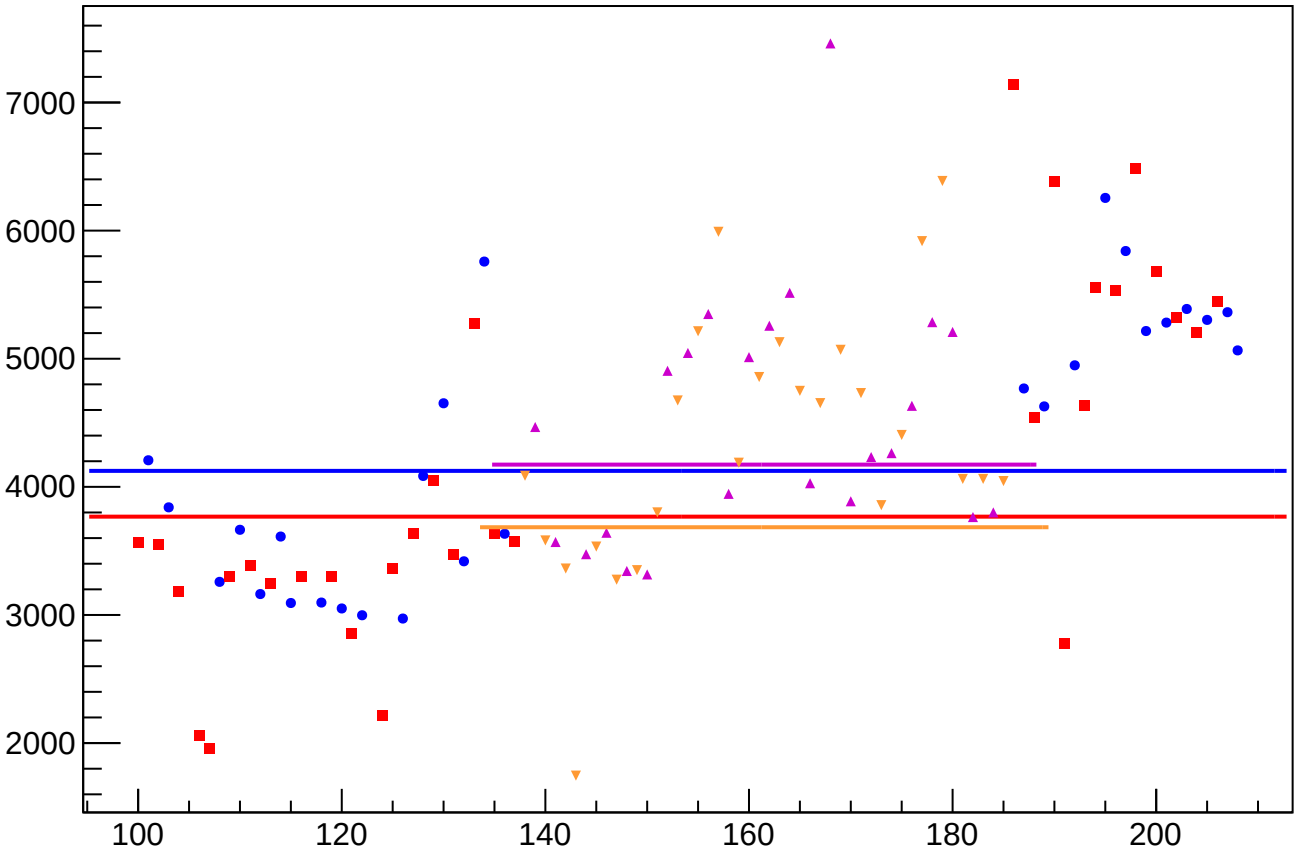
Right Out: -1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 32.411+/-682.372 χ^2/NDF: 57.7/51

All: -397.196+/-488.634 χ^2/NDF: 105.3/105

- sign -849.330+/-700.033 χ^2/NDF: 46.7/53



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

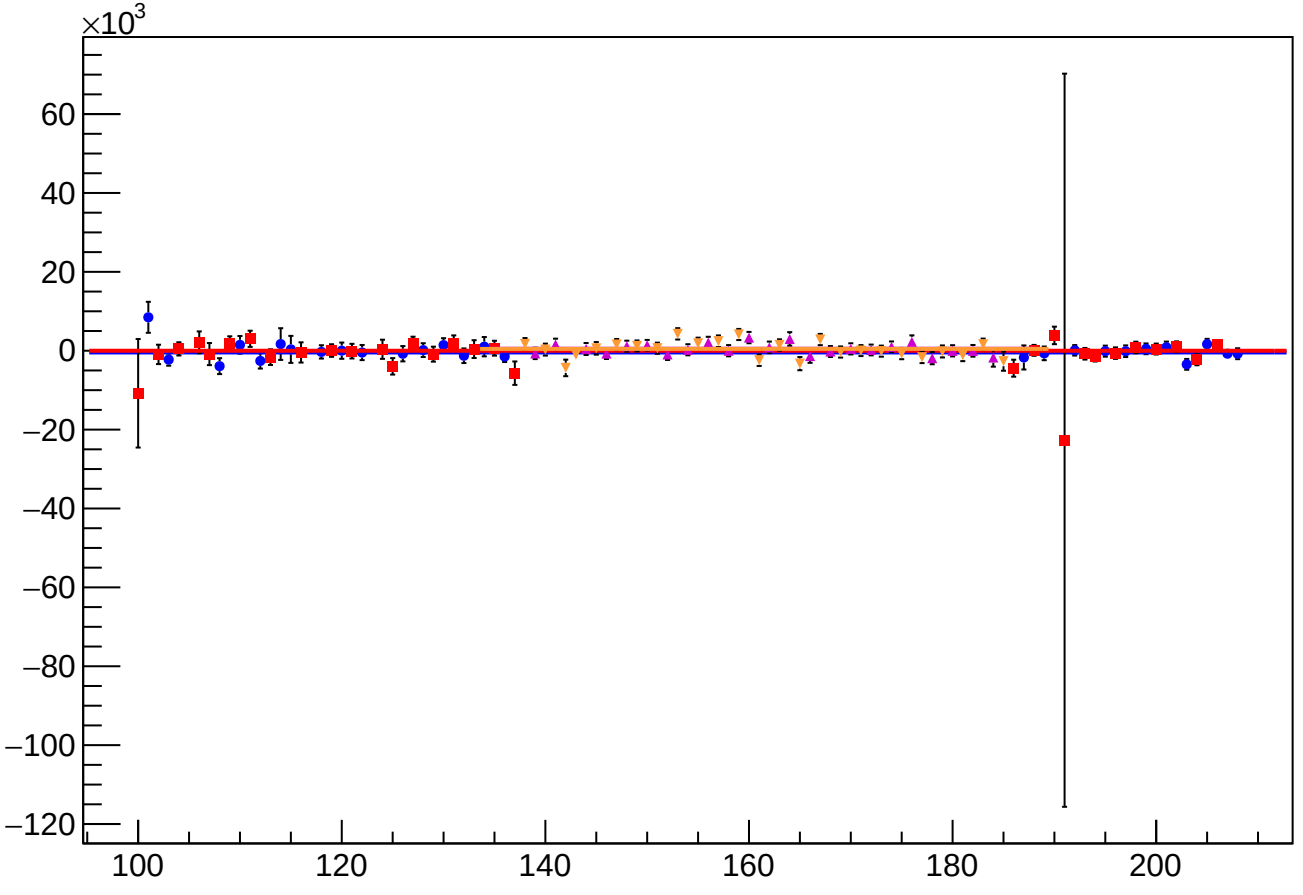
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3864.026+/-0.483 χ^2/NDF: 5591359.7/51

All: 3914.838+/-0.346 χ^2/NDF: 10043404.8/1

- sign 3968.315+/-0.495 χ^2/NDF: 4429284.0/53

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -436.980+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -5.003+/-326.544 χ^2/NDF: 29.0/30

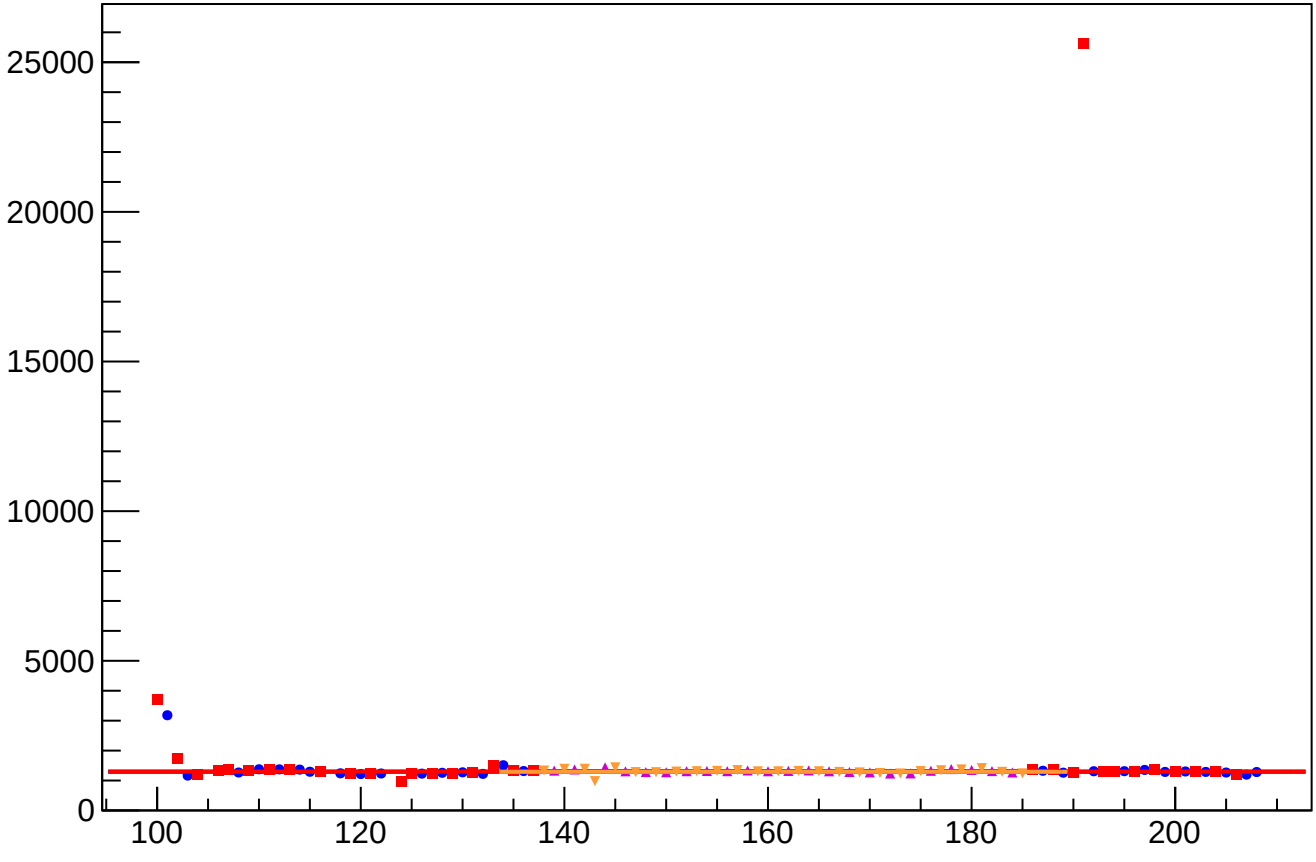
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 64.500+/-219.054 χ^2/NDF: 71.6/51

All: 162.603+/-156.509 χ^2/NDF: 119.7/105

- sign 264.905+/-223.693 χ^2/NDF: 47.7/53

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.1/26

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

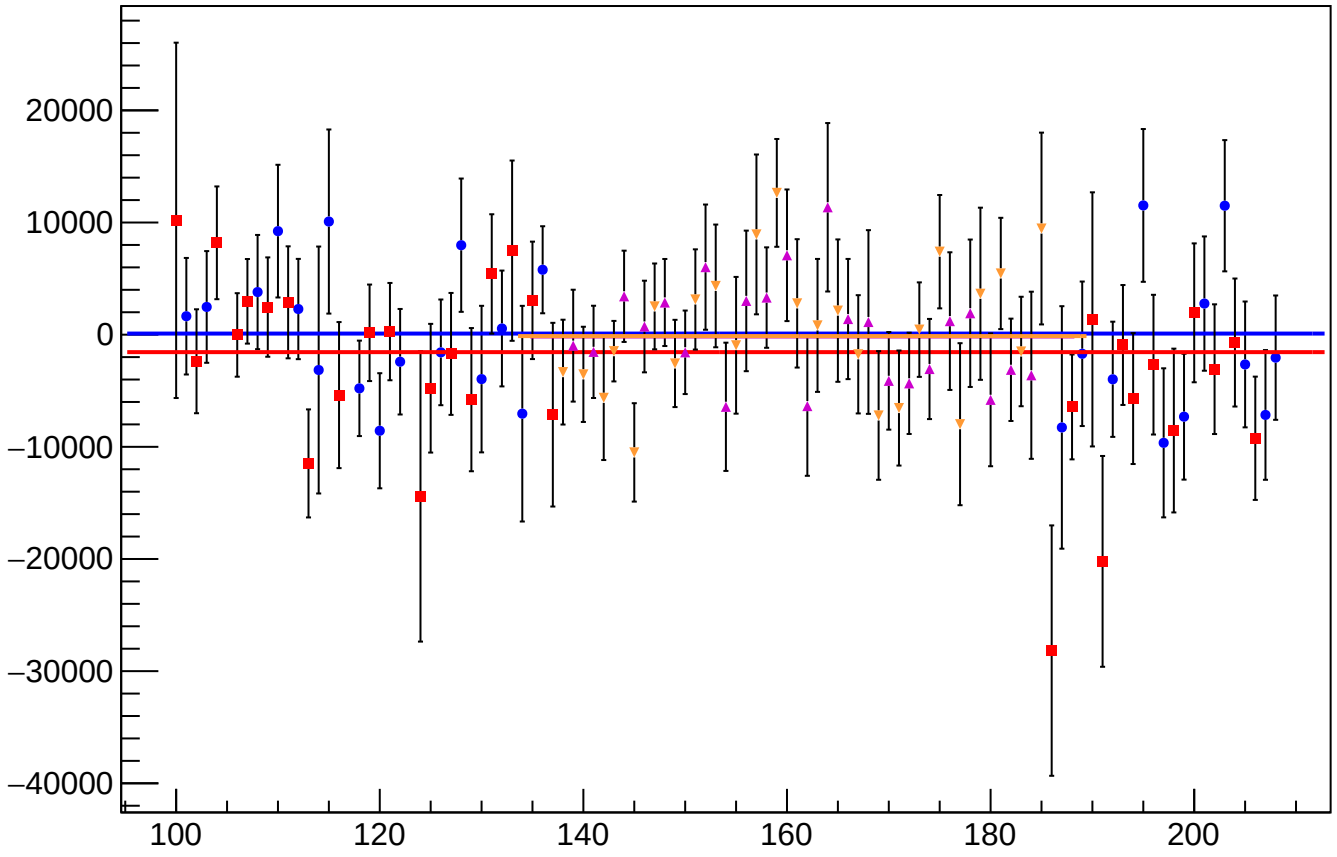
Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.0/30

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1292.414+/-0.155 χ^2/NDF: 759741.3/51

All: 1299.772+/-0.111 χ^2/NDF: 1187311.4/10

- sign 1307.442+/-0.158 χ^2/NDF: 422961.4/53



Right In: 98.258+/-1074.950 χ^2/NDF: 28.4/26

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

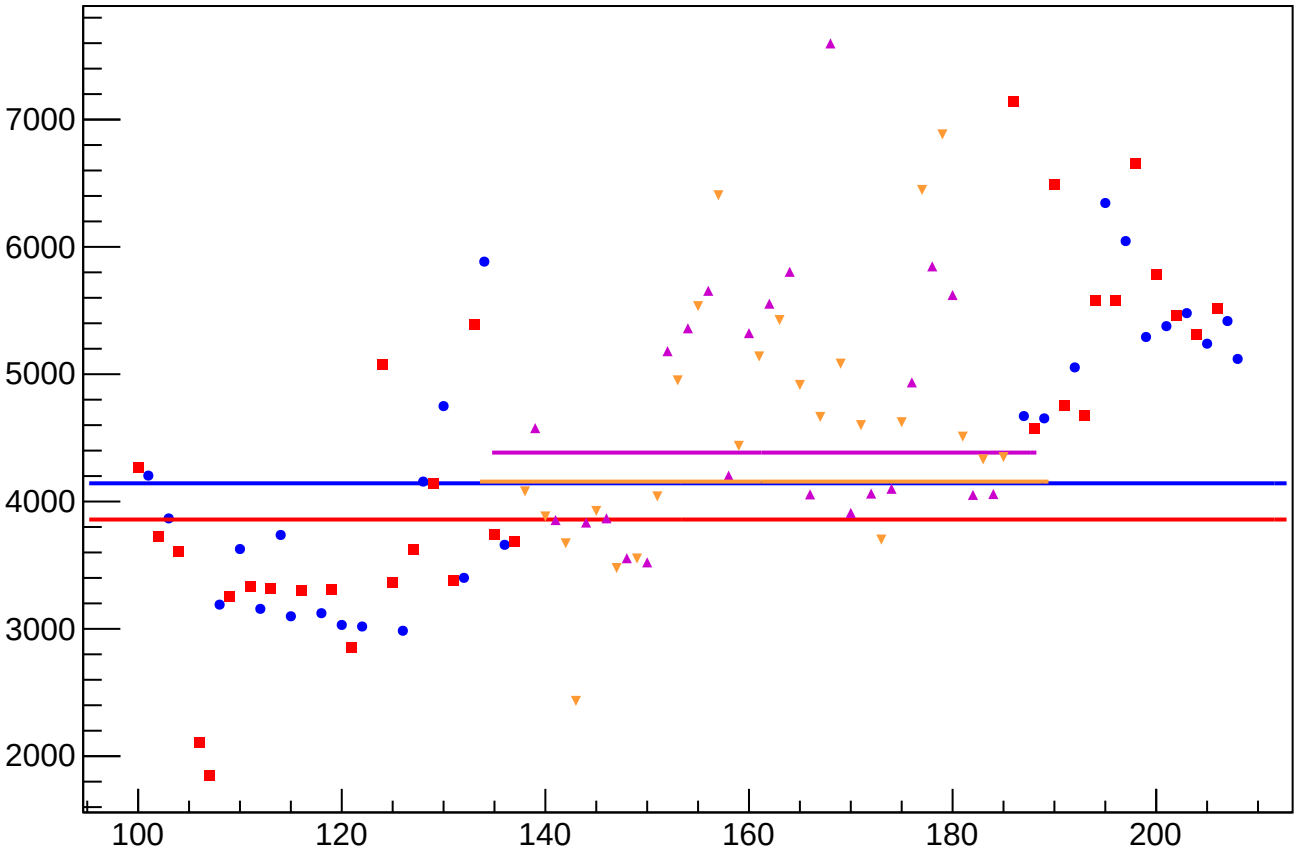
Right Out: -1556.741+/-1002.016 χ^2/NDF: 33.1/30

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -25.222+/-723.091 χ^2/NDF: 57.0/51

All: -456.298+/-511.419 χ^2/NDF: 105.5/105

- sign -887.765+/-723.420 χ^2/NDF: 47.8/53



Right In: 4143.082+/-0.760 χ^2/NDF: 1785243.1/26

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

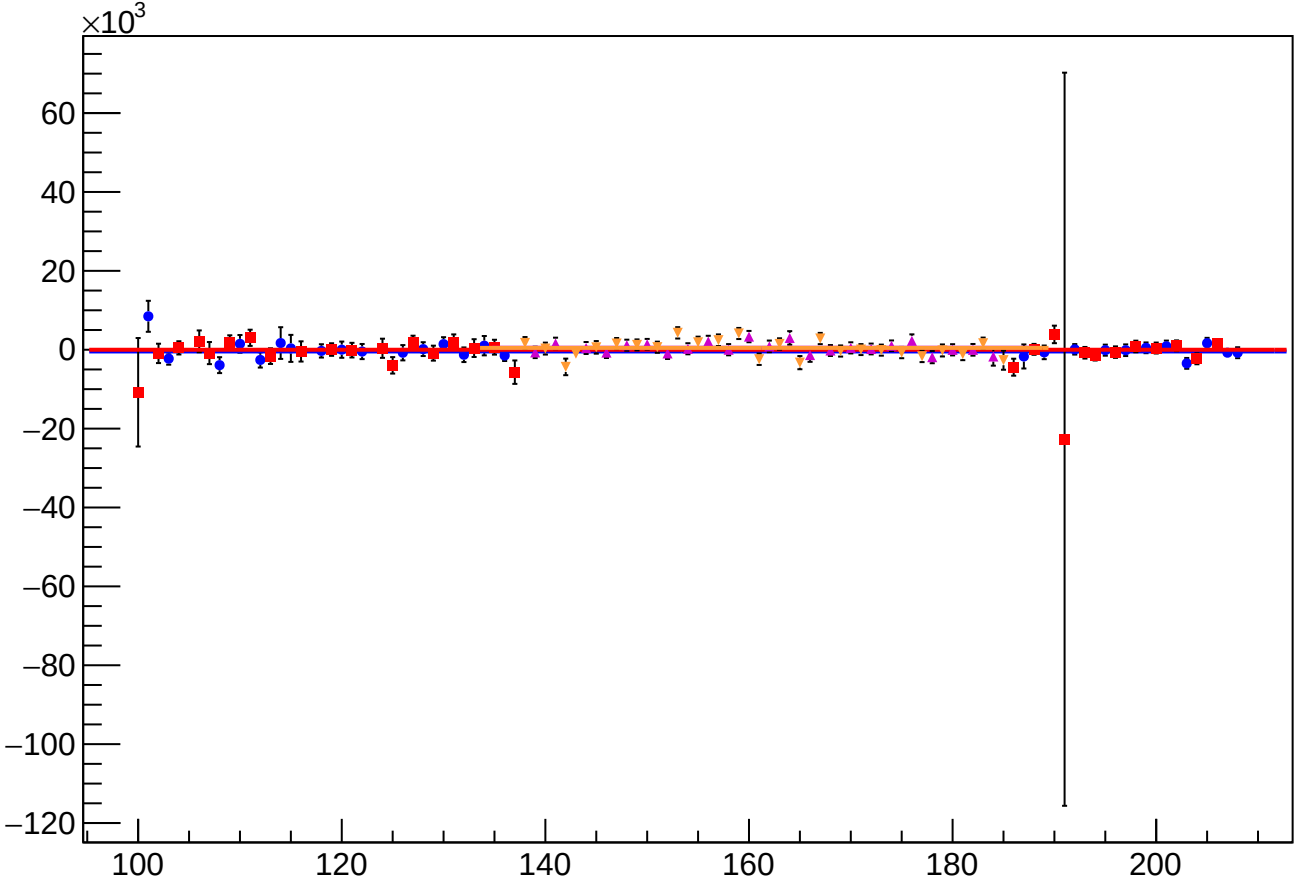
Right Out: 3858.672+/-0.709 χ^2/NDF: 3057818.8/30

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4150.473+/-0.511 χ^2/NDF: 3866181.9/51

All: 4130.414+/-0.362 χ^2/NDF: 8446062.8/10

- sign 4110.336+/-0.512 χ^2/NDF: 4576801.2/53



Right In: -436.981+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -5.002+/-326.544 χ^2/NDF: 29.0/30

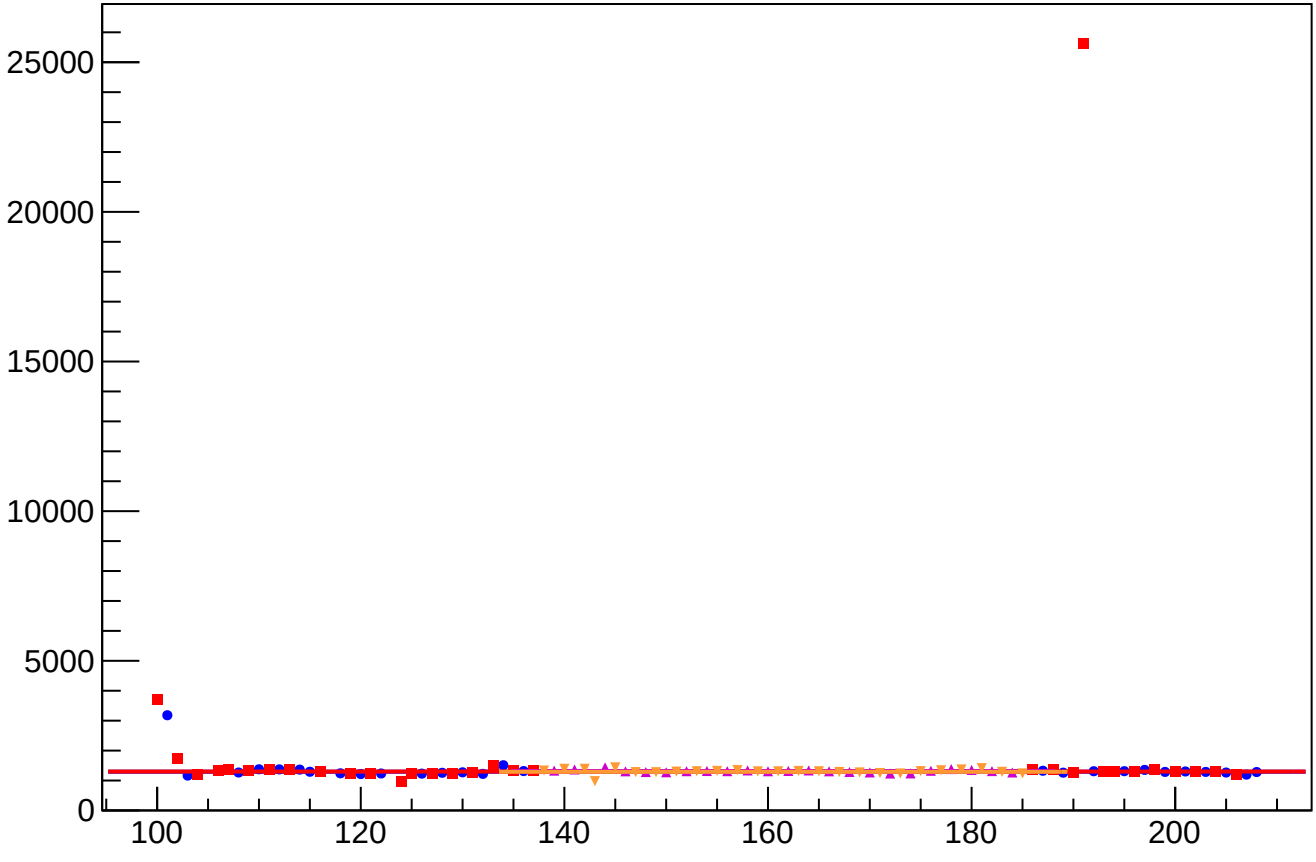
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 64.501+/-219.054 χ^2/NDF: 71.6/51

All: 162.604+/-156.509 χ^2/NDF: 119.7/105

- sign 264.905+/-223.694 χ^2/NDF: 47.7/53

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.2/26

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

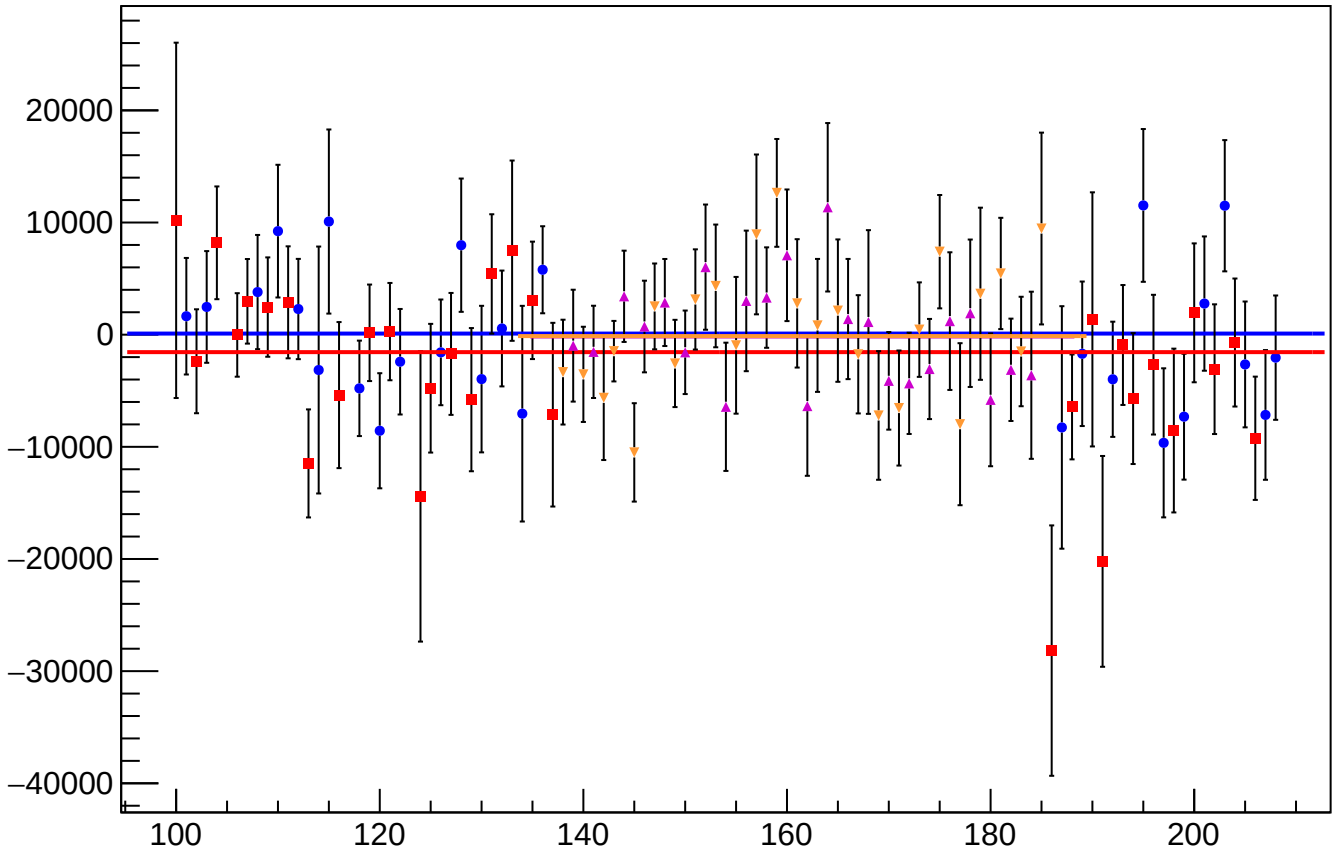
Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.1/30

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1292.415+/-0.155 χ^2/NDF: 759743.7/51

All: 1299.773+/-0.111 χ^2/NDF: 1187316.5/10

- sign 1307.443+/-0.158 χ^2/NDF: 422964.0/53



Right In: 98.254+/-1074.949 χ^2/NDF: 28.4/26

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

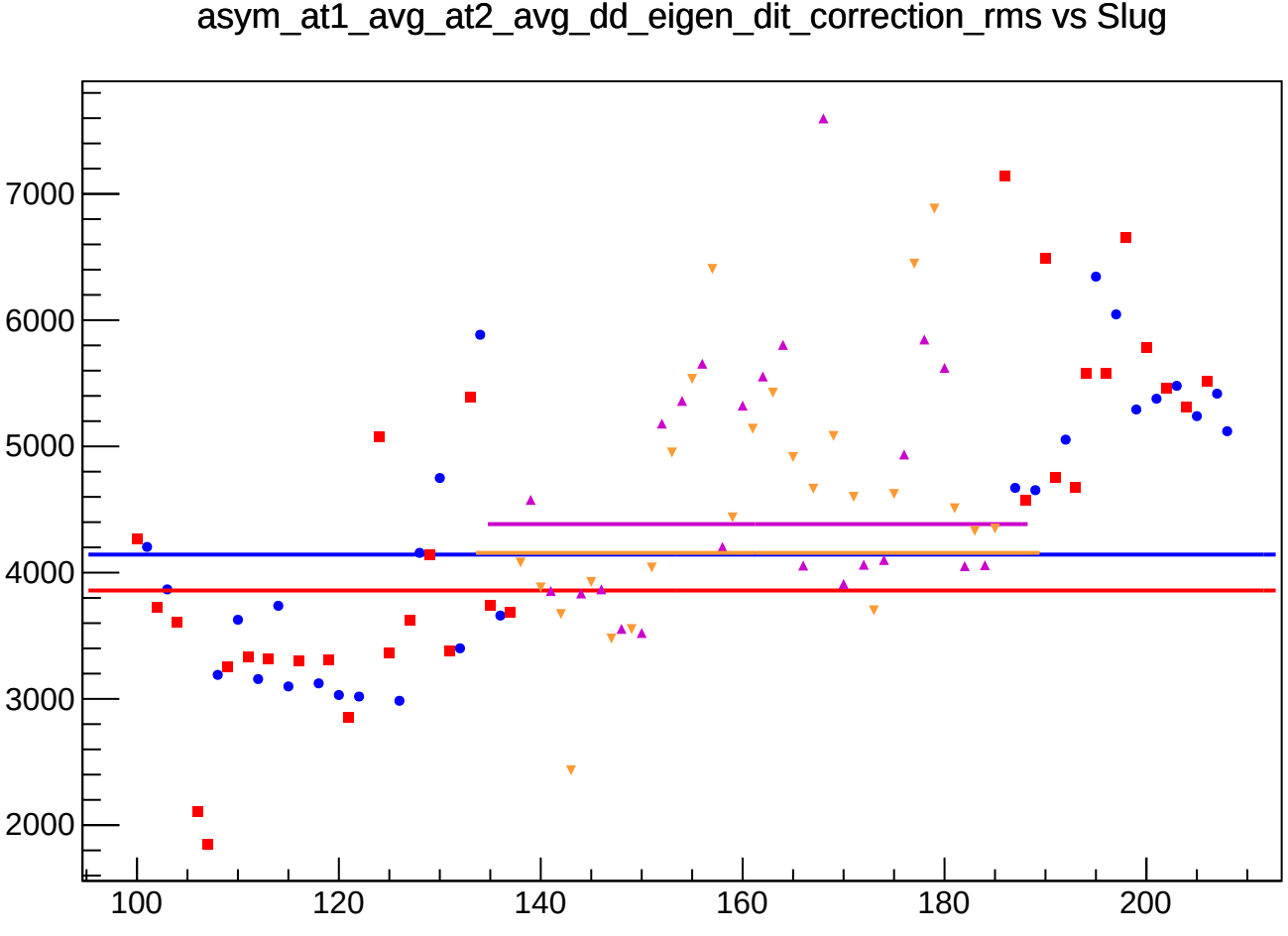
Right Out: -1556.733+/-1002.014 χ^2/NDF: 33.1/30

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

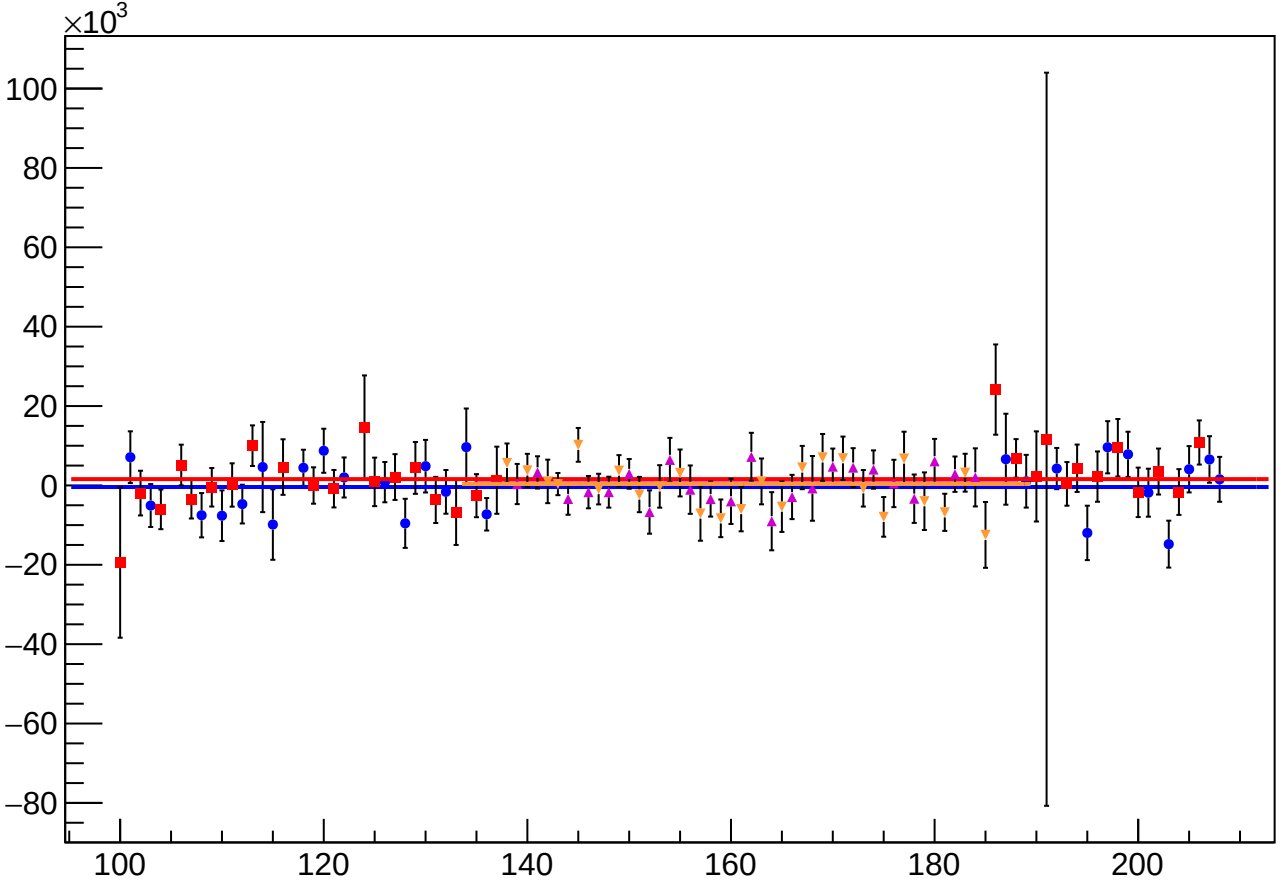
+ sign -25.223+/-723.091 χ^2/NDF: 57.0/51

All: -456.297+/-511.419 χ^2/NDF: 105.5/105

- sign -887.763+/-723.420 χ^2/NDF: 47.8/53


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4143.076+/-0.760 χ²/NDF: 1785274.0/26
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 3858.666+/-0.709 χ²/NDF: 3057847.1/30
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
+ sign 4150.474+/-0.511 χ²/NDF: 3866216.0/51
All: 4130.414+/-0.362 χ²/NDF: 8446142.7/10
- sign 4110.336+/-0.512 χ²/NDF: 4576846.9/53

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -403.476+/-1135.087 χ^2/NDF: 34.5/26

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1590.008+/-1090.282 χ^2/NDF: 22.8/30

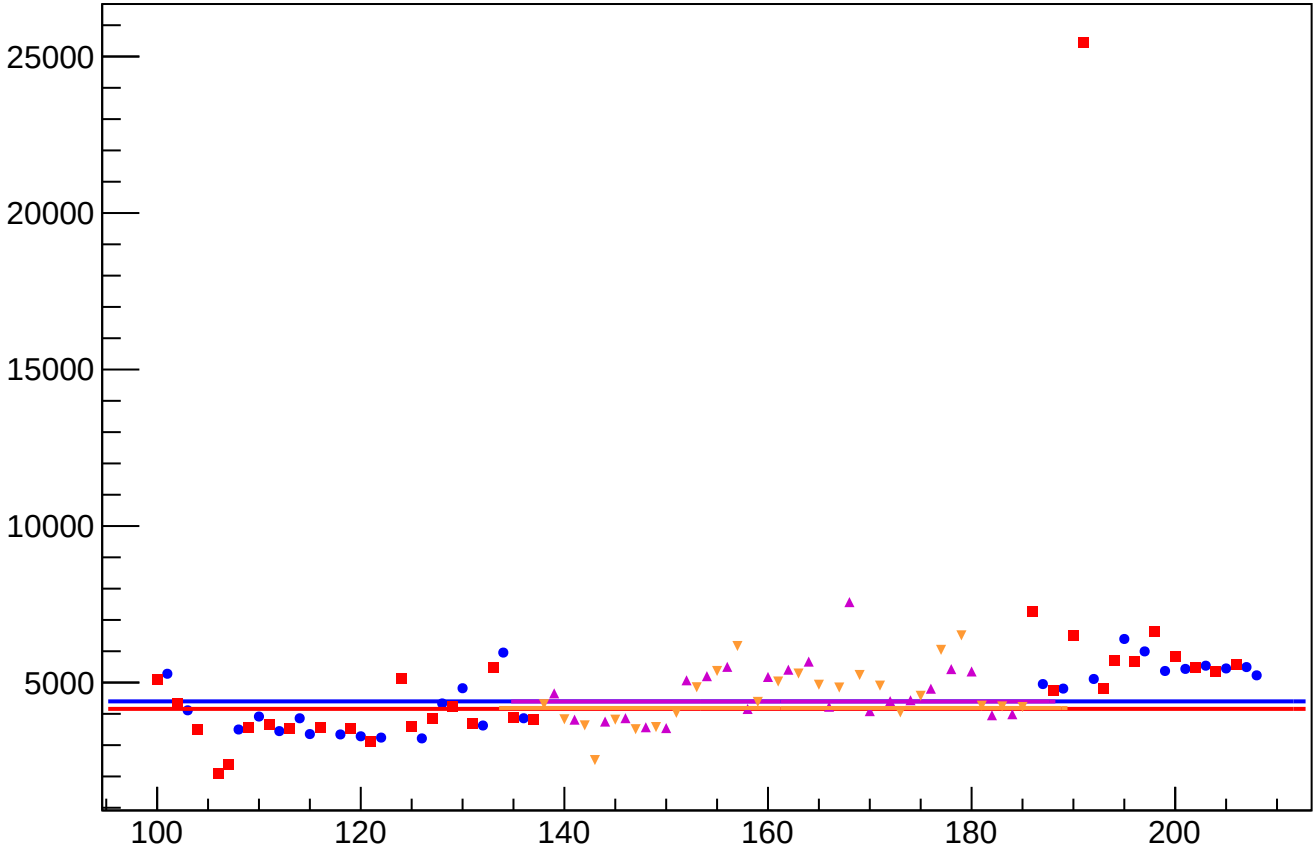
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 35.446+/-741.724 χ^2/NDF: 62.5/51

All: 519.659+/-528.874 χ^2/NDF: 100.5/105

- sign 1020.455+/-754.317 χ^2/NDF: 37.2/53

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4398.565+/-0.803 χ^2/NDF: 1456003.4/26

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

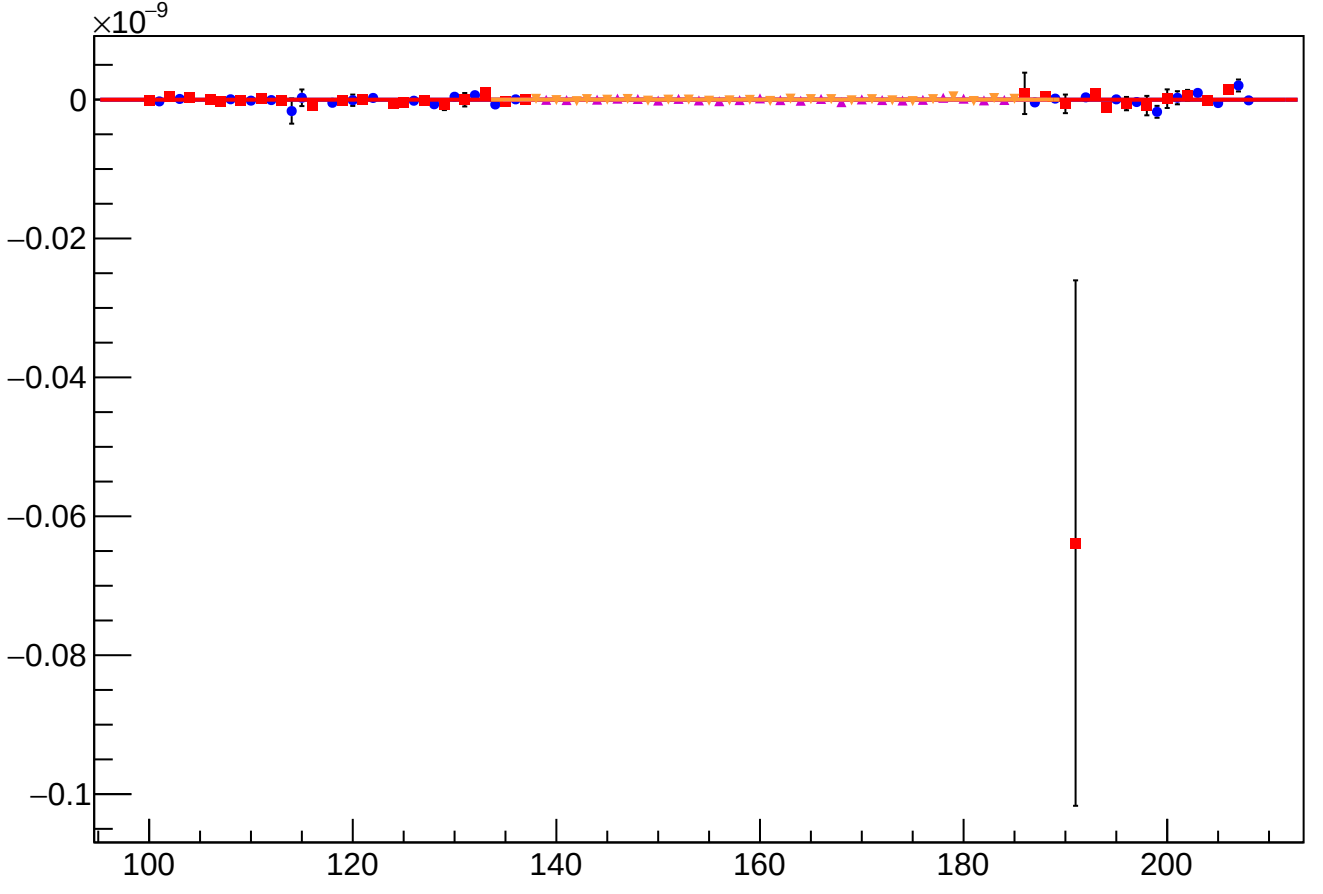
Right Out: 4158.534+/-0.764 χ^2/NDF: 2452358.5/30

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4277.825+/-0.524 χ^2/NDF: 3291843.3/51

All: 4279.086+/-0.373 χ^2/NDF: 6881842.3/10

- sign 4280.379+/-0.531 χ^2/NDF: 3589987.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

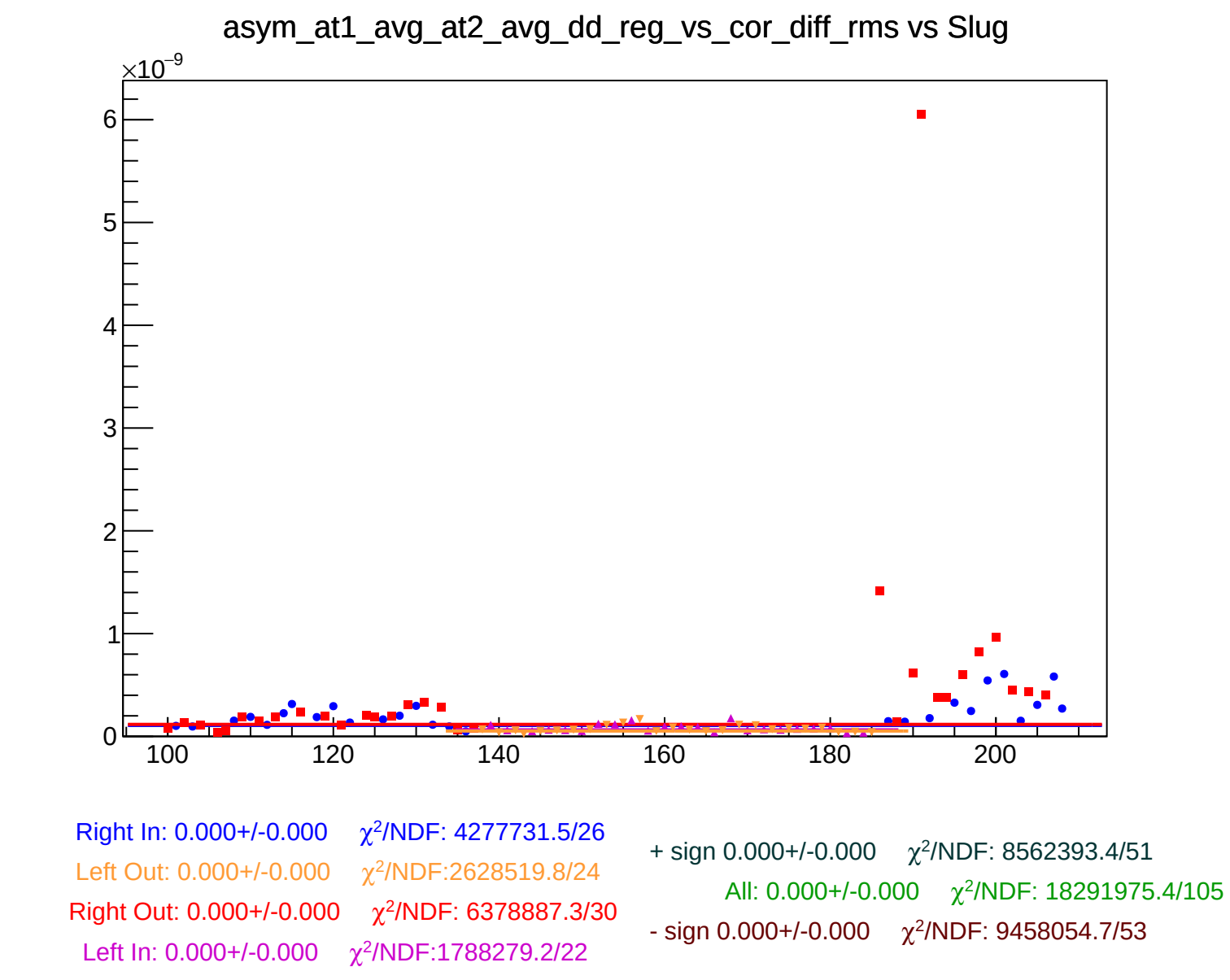
Right Out: -0.000+/-0.000 χ^2/NDF: 33.0/30

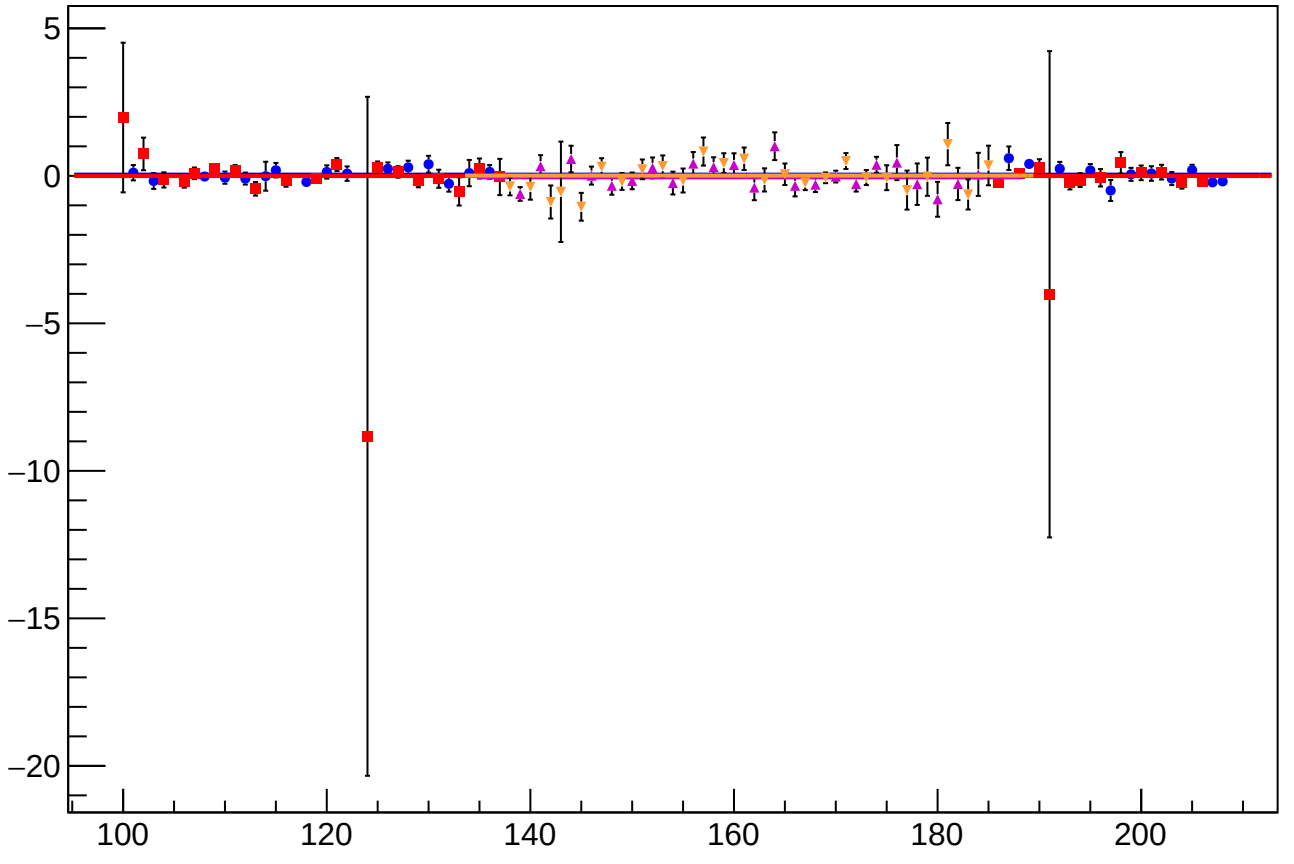
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.9/51

All: -0.000+/-0.000 χ^2/NDF: 115.1/105

- sign -0.000+/-0.000 χ^2/NDF: 50.0/53


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4277731.5/26
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6378887.3/30
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 8562393.4/51
All: 0.000+/-0.000 χ²/NDF: 18291975.4/105
- sign 0.000+/-0.000 χ²/NDF: 9458054.7/53



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

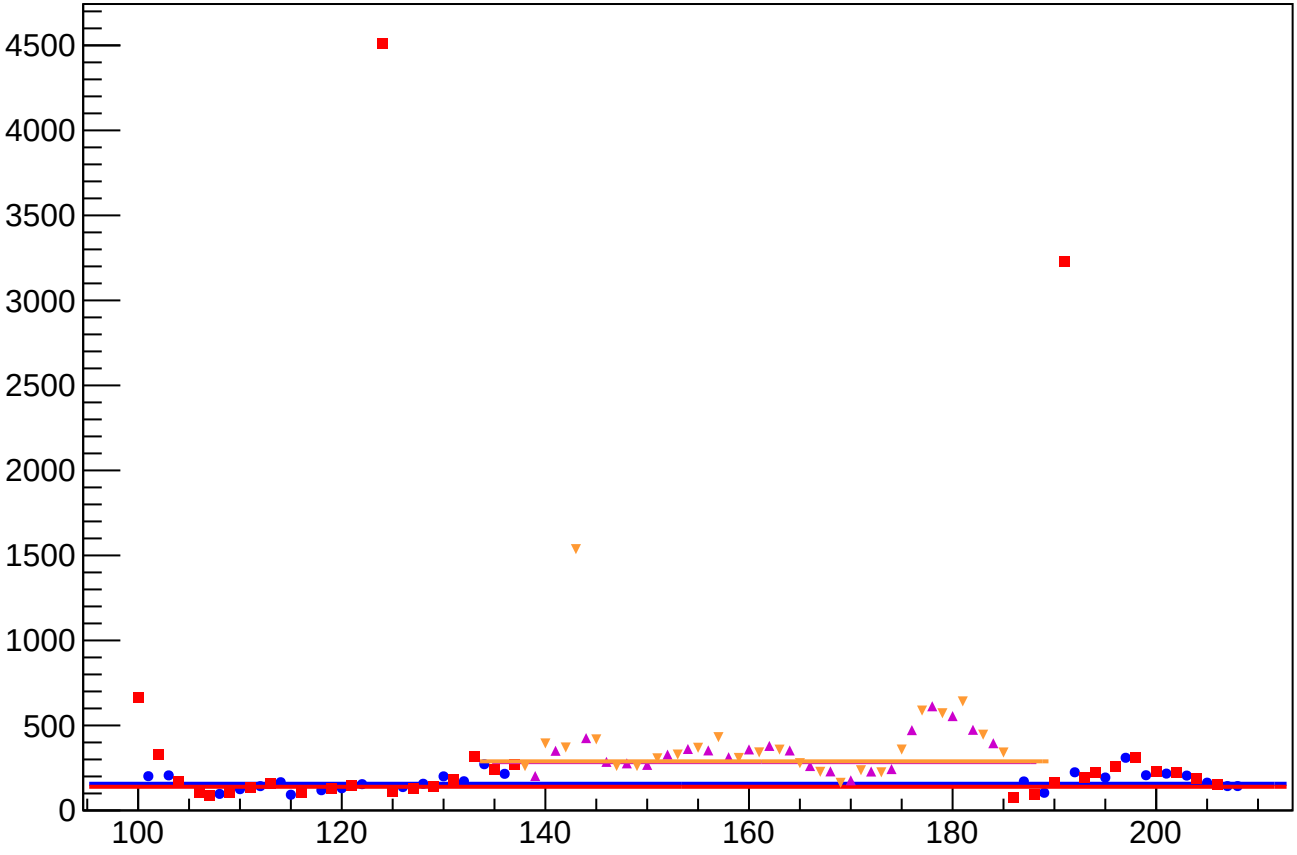
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.006+/-0.025 χ^2/NDF: 116.8/105

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

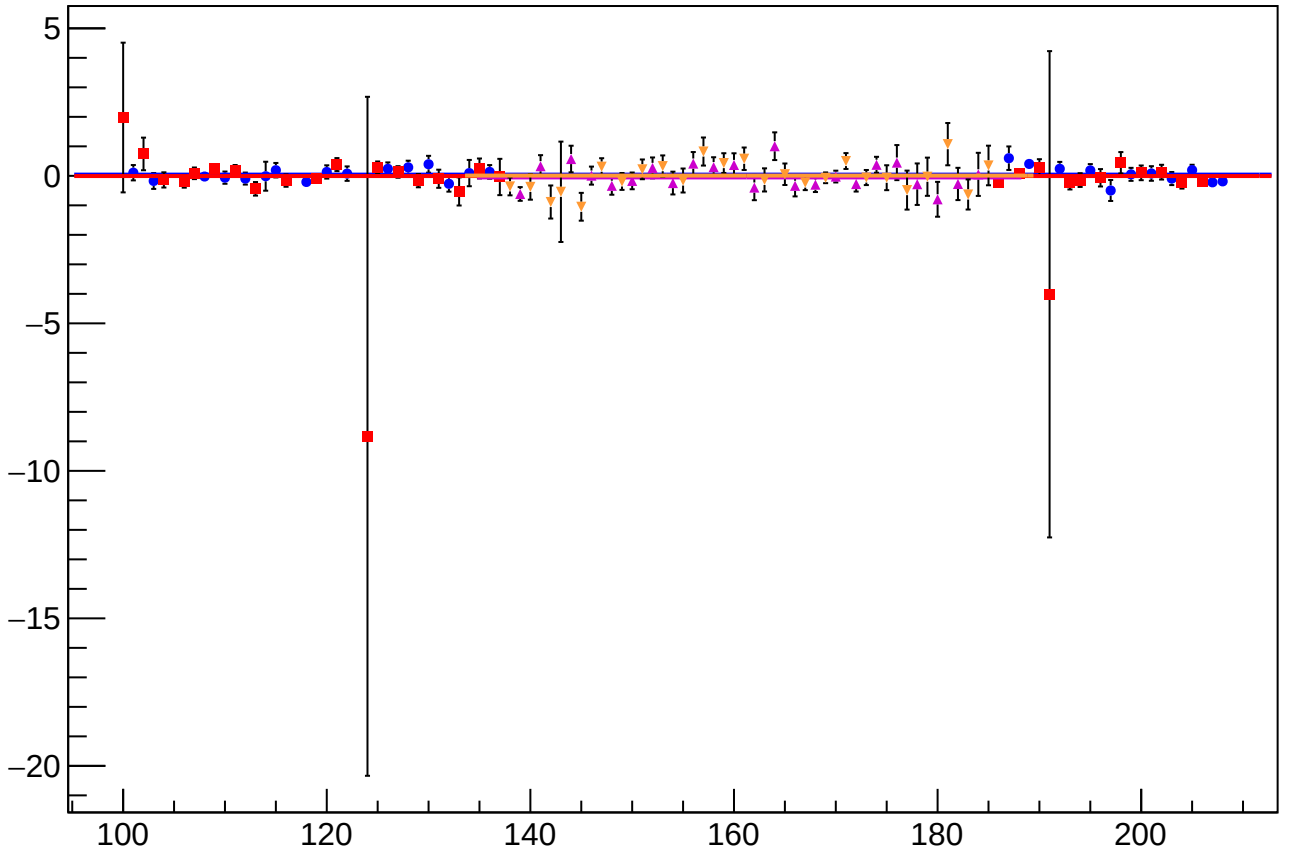
Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 191.142+/-0.026 χ^2/NDF: 12013966.7/51

All: 181.483+/-0.017 χ^2/NDF: 26539255.0/10

- sign 172.947+/-0.024 χ^2/NDF: 14255780.1/53



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

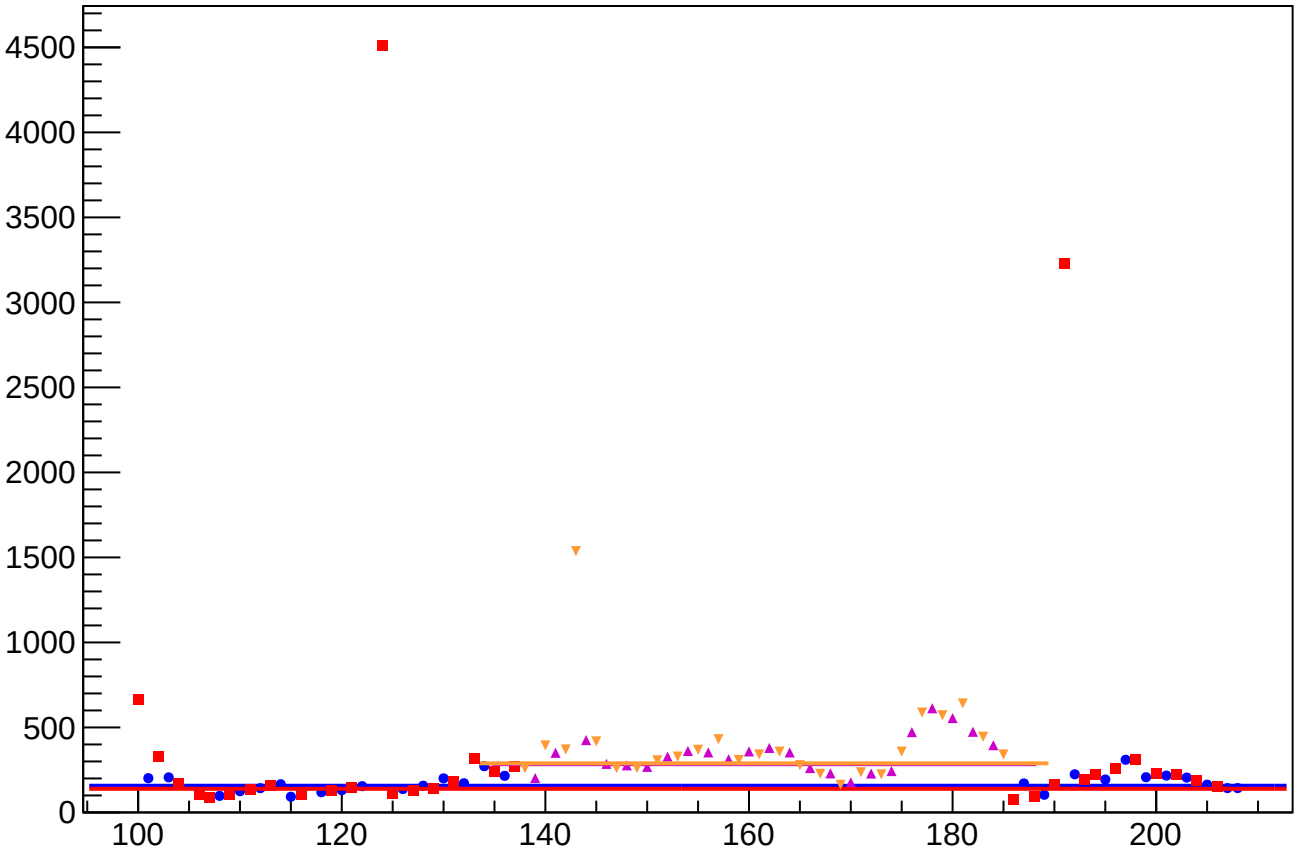
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.006+/-0.025 χ^2/NDF: 116.8/105

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

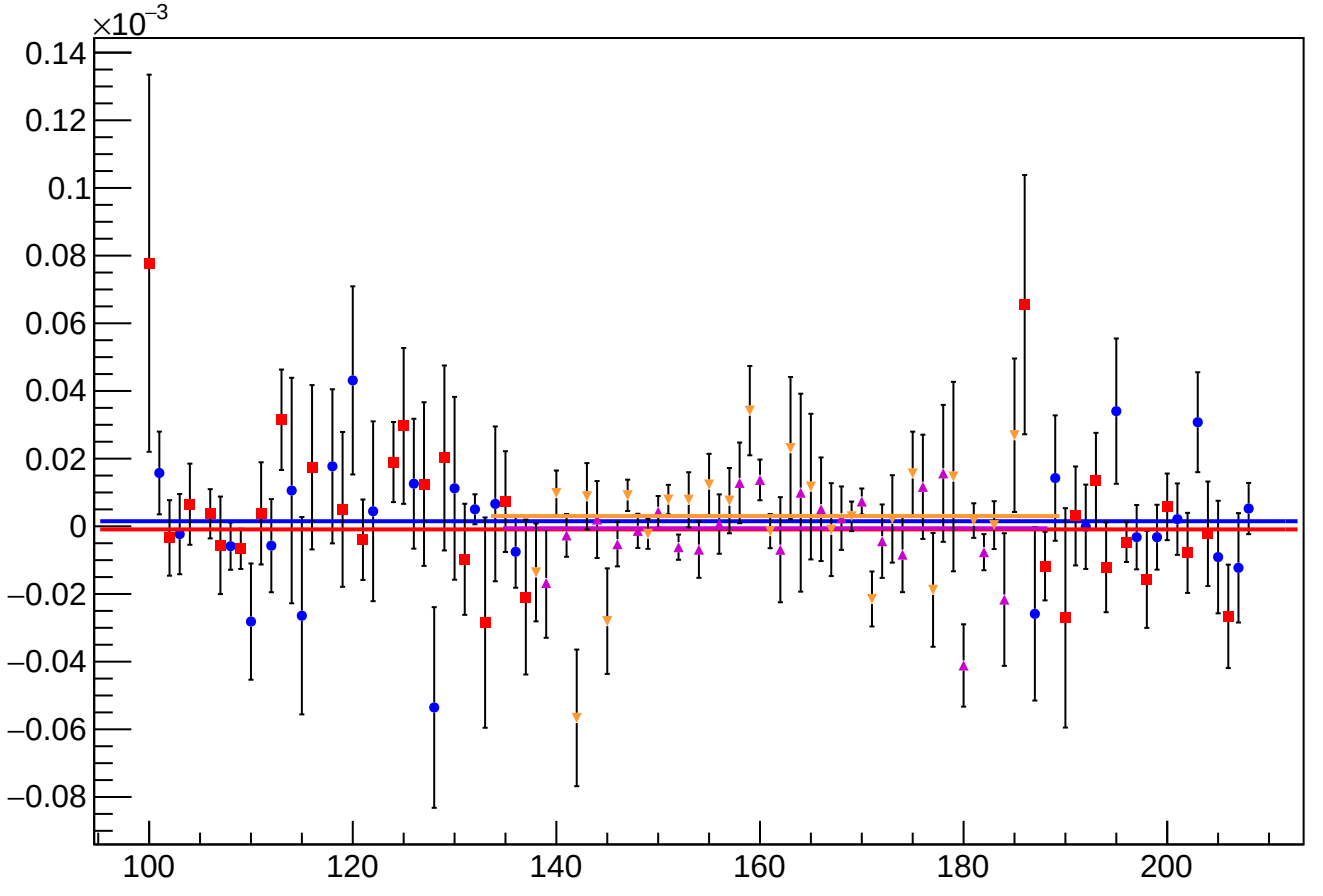
Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 191.142+/-0.026 χ^2/NDF: 12013966.7/51

All: 181.483+/-0.017 χ^2/NDF: 26539255.0/10

- sign 172.947+/-0.024 χ^2/NDF: 14255780.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

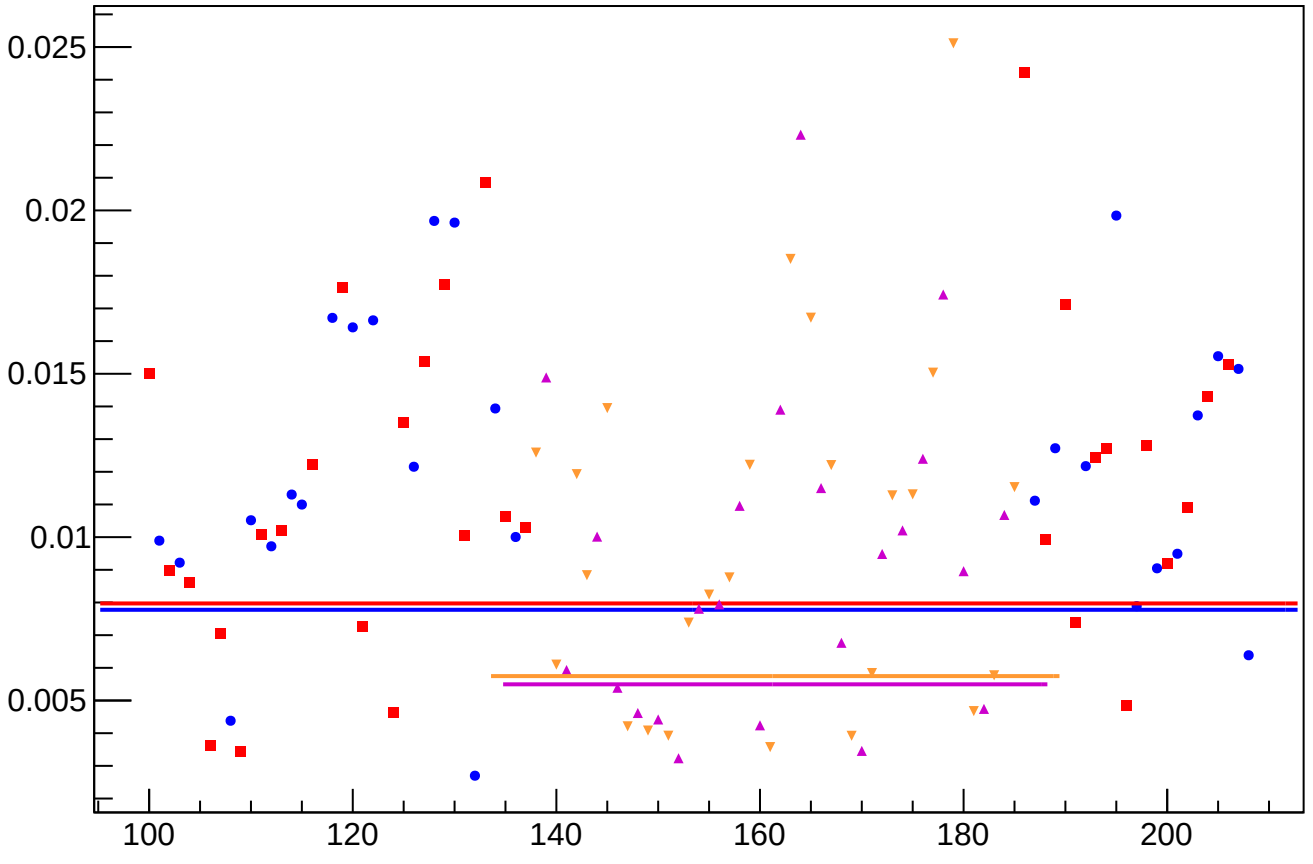
Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/30

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.2/51

All: 0.000+/-0.000 χ^2/NDF: 132.4/105

- sign -0.000+/-0.000 χ^2/NDF: 62.0/53



Right In: 0.008+/-0.000 χ^2/NDF: 7487309.9/26

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

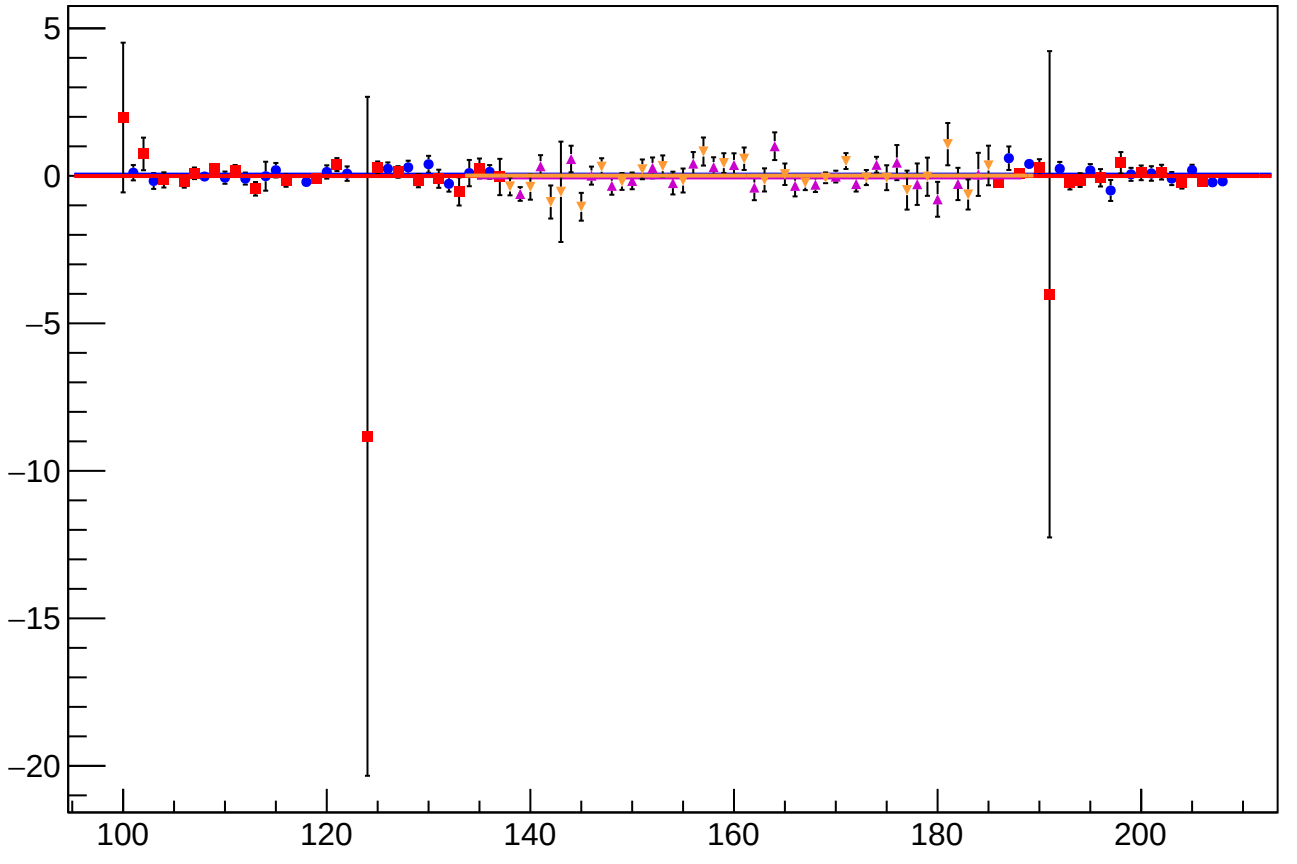
Right Out: 0.008+/-0.000 χ^2/NDF: 6422510.5/30

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 16702957.4/51

All: 0.006+/-0.000 χ^2/NDF: 31728076.9/105

\- sign 0.006+/-0.000 χ^2/NDF: 15018604.9/53



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

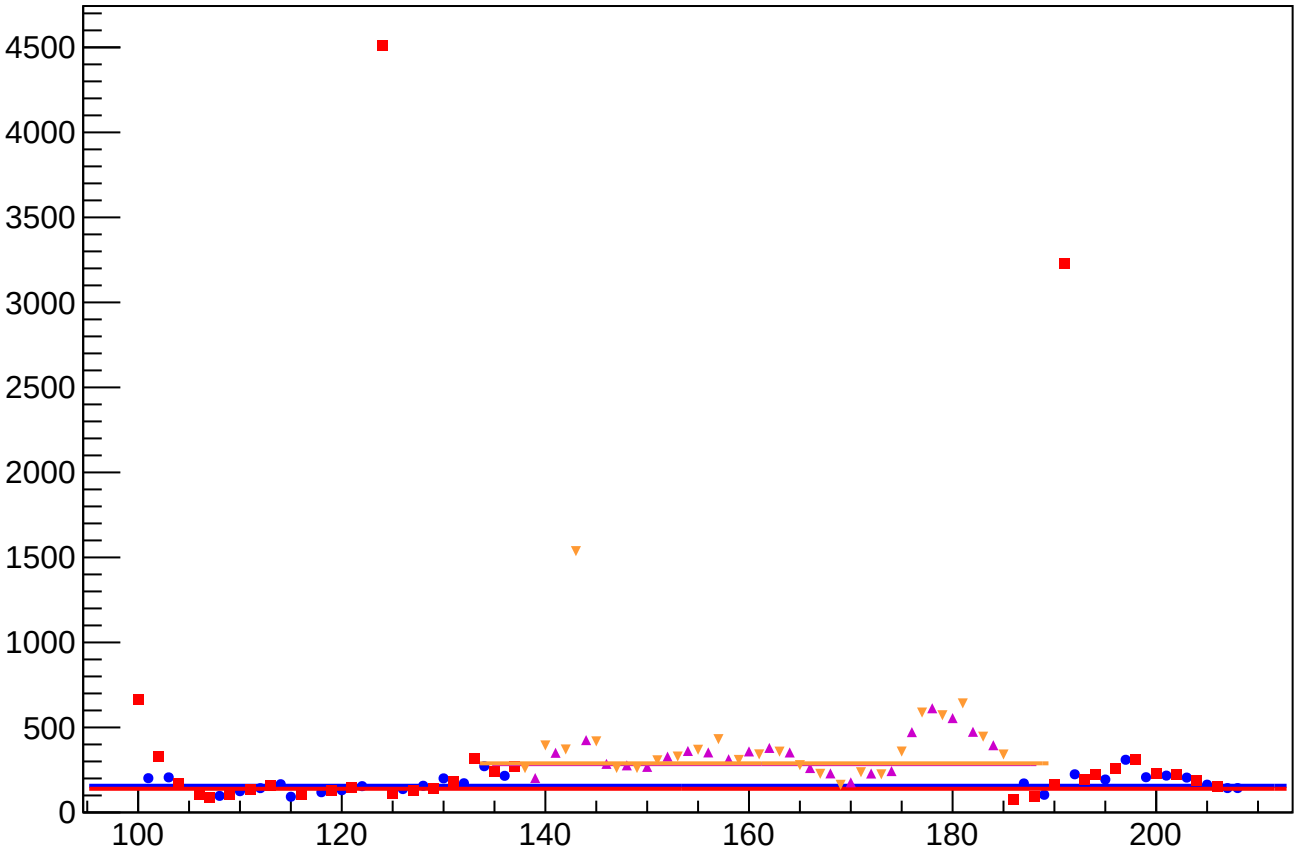
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.006+/-0.025 χ^2/NDF: 116.8/105

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

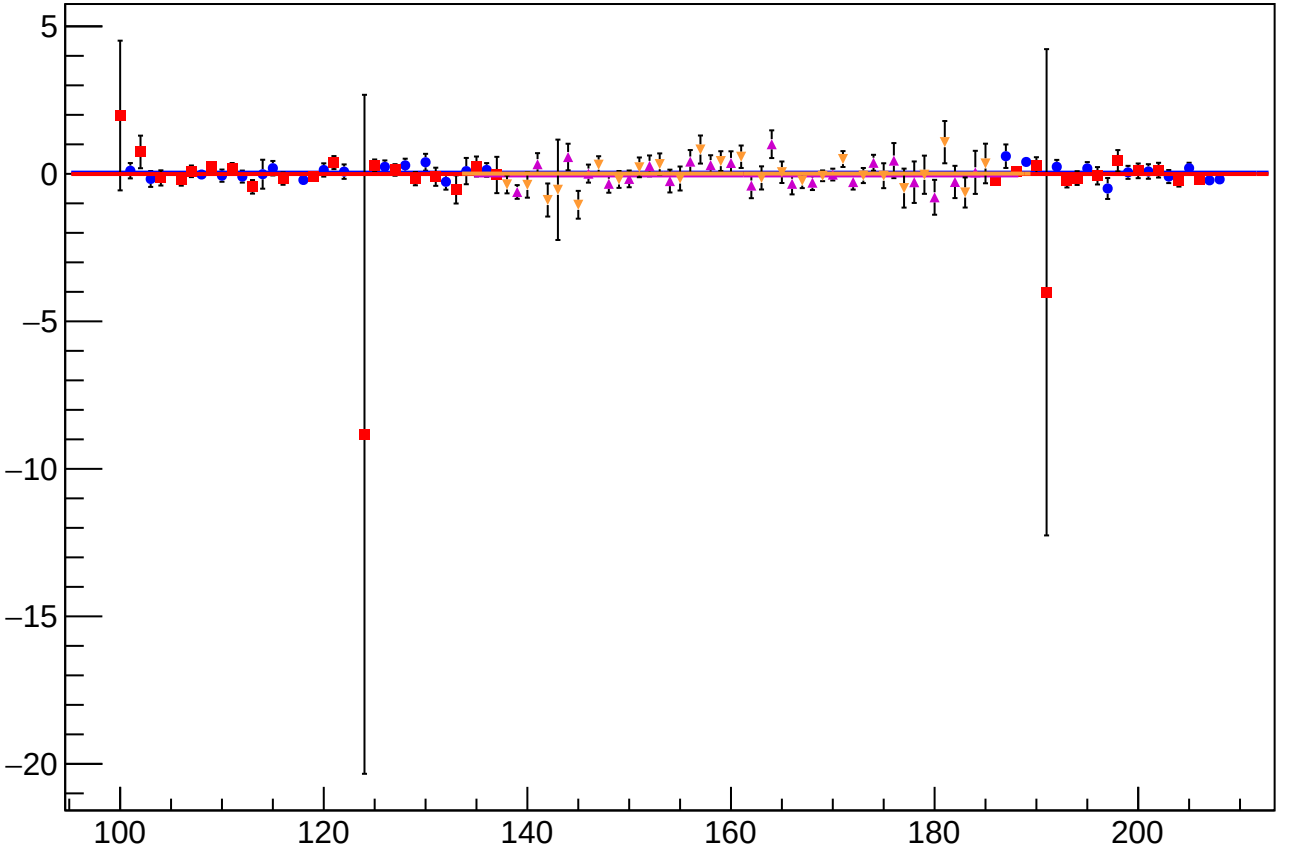
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 191.142+/-0.026 χ^2/NDF: 12014123.2/51

All: 181.485+/-0.017 χ^2/NDF: 26539147.9/10

- sign 172.949+/-0.024 χ^2/NDF: 14255580.6/53

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

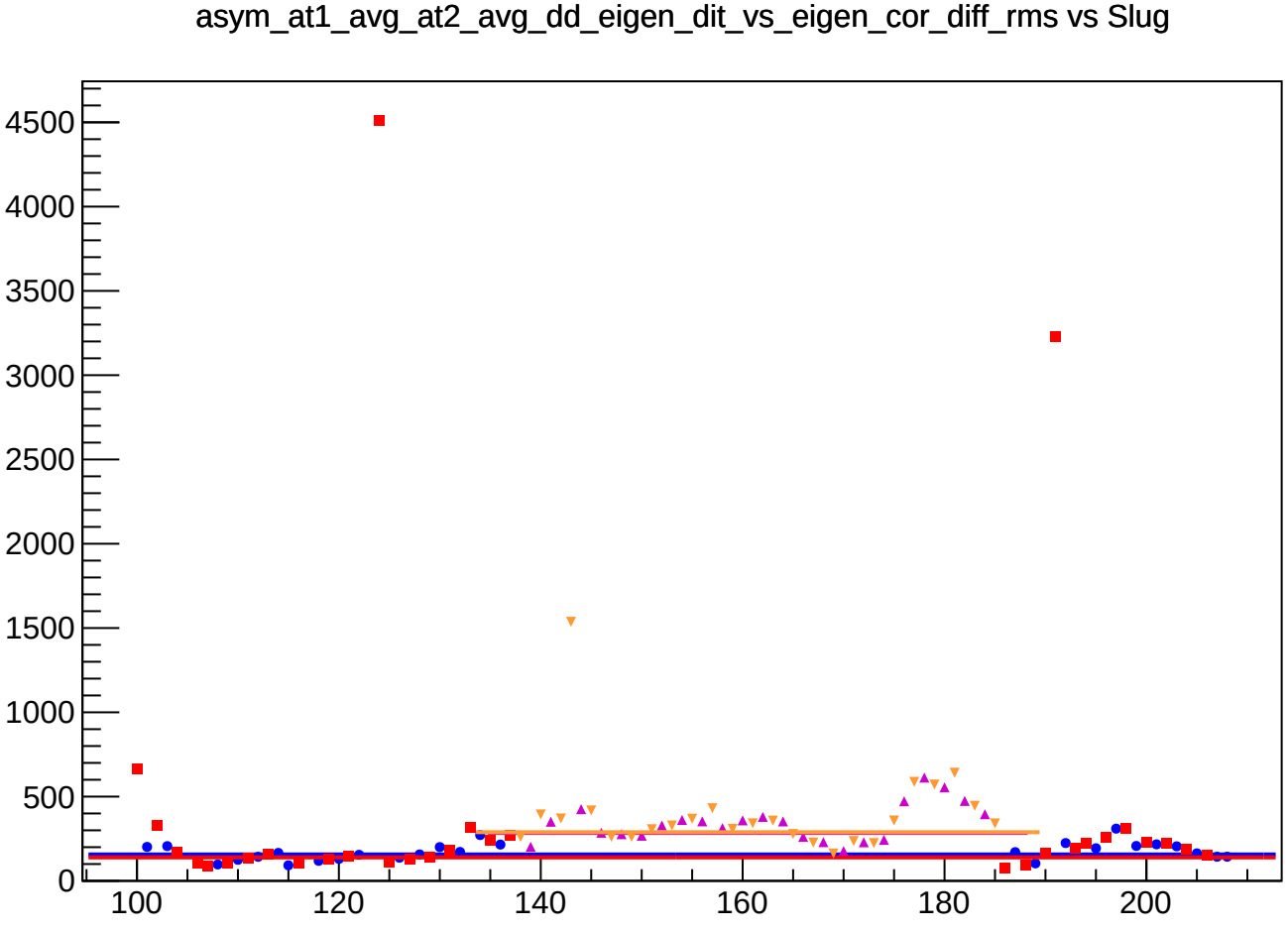
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.006+/-0.025 χ^2/NDF: 116.8/105

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

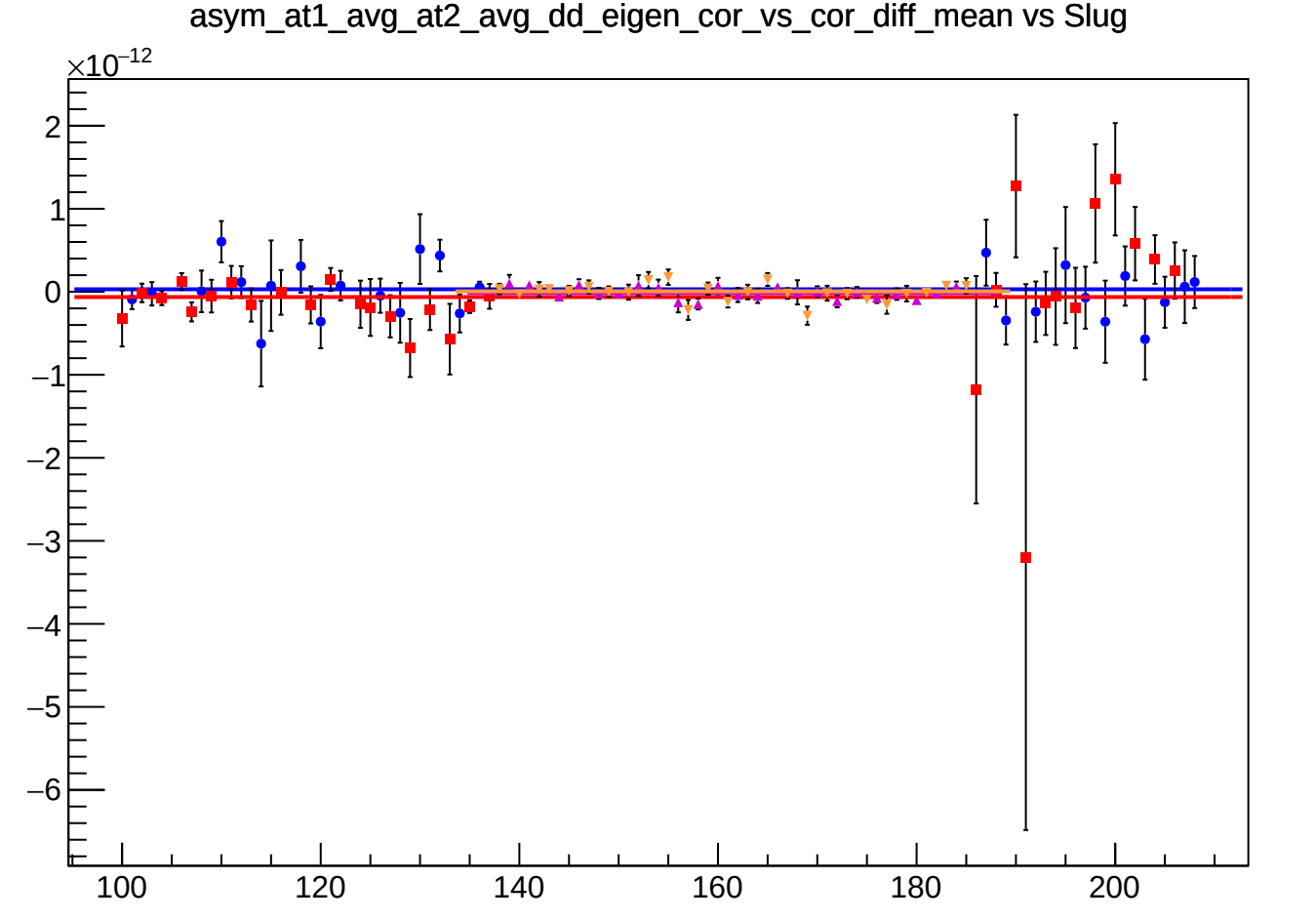
Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 191.142+/-0.026 χ^2/NDF: 12014123.2/51

All: 181.485+/-0.017 χ^2/NDF: 26539147.9/10

- sign 172.949+/-0.024 χ^2/NDF: 14255580.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

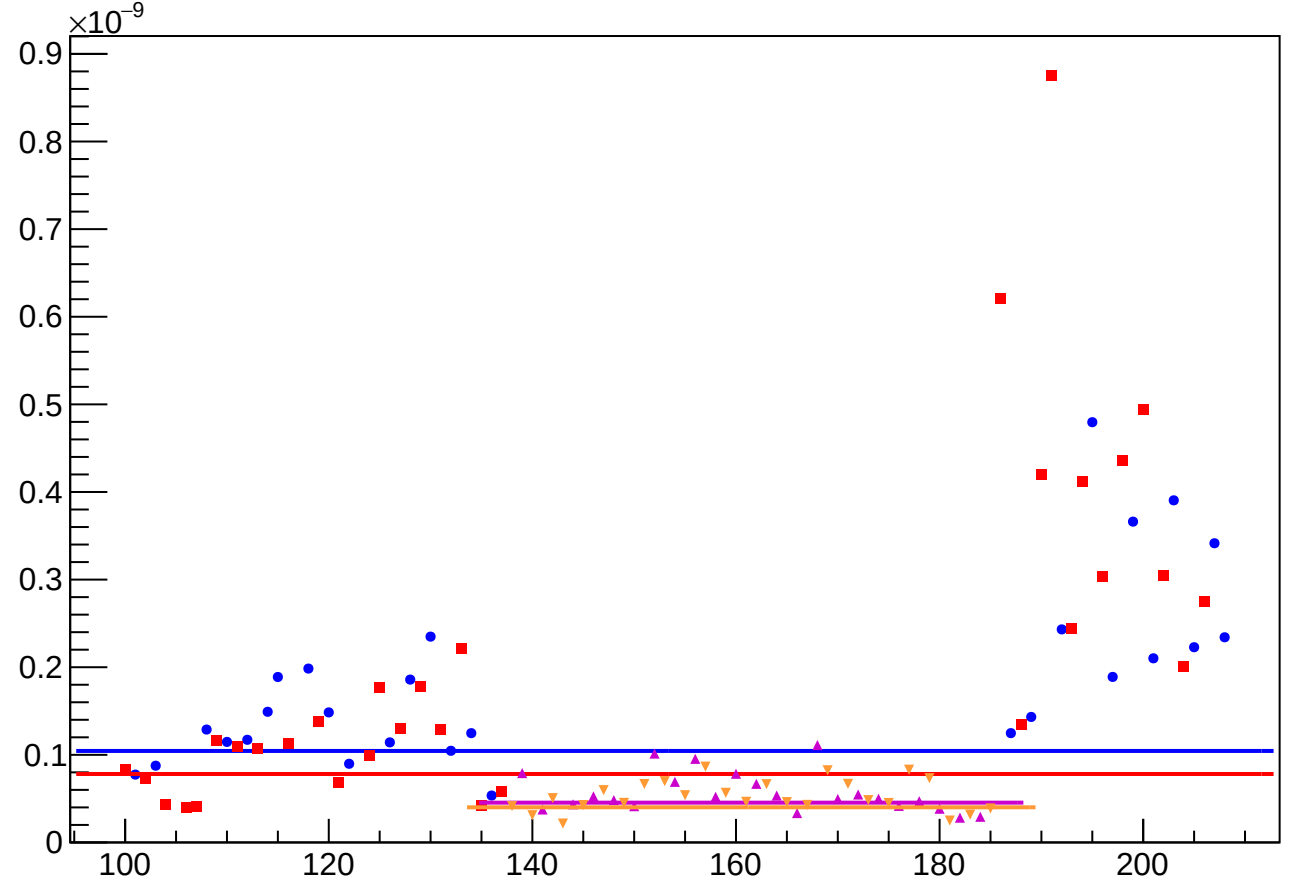
Right Out: -0.000+/-0.000 χ^2/NDF: 35.2/30

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.0/51

All: -0.000+/-0.000 χ^2/NDF: 123.2/105

- sign -0.000+/-0.000 χ^2/NDF: 60.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 5582087.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7622623.9/30

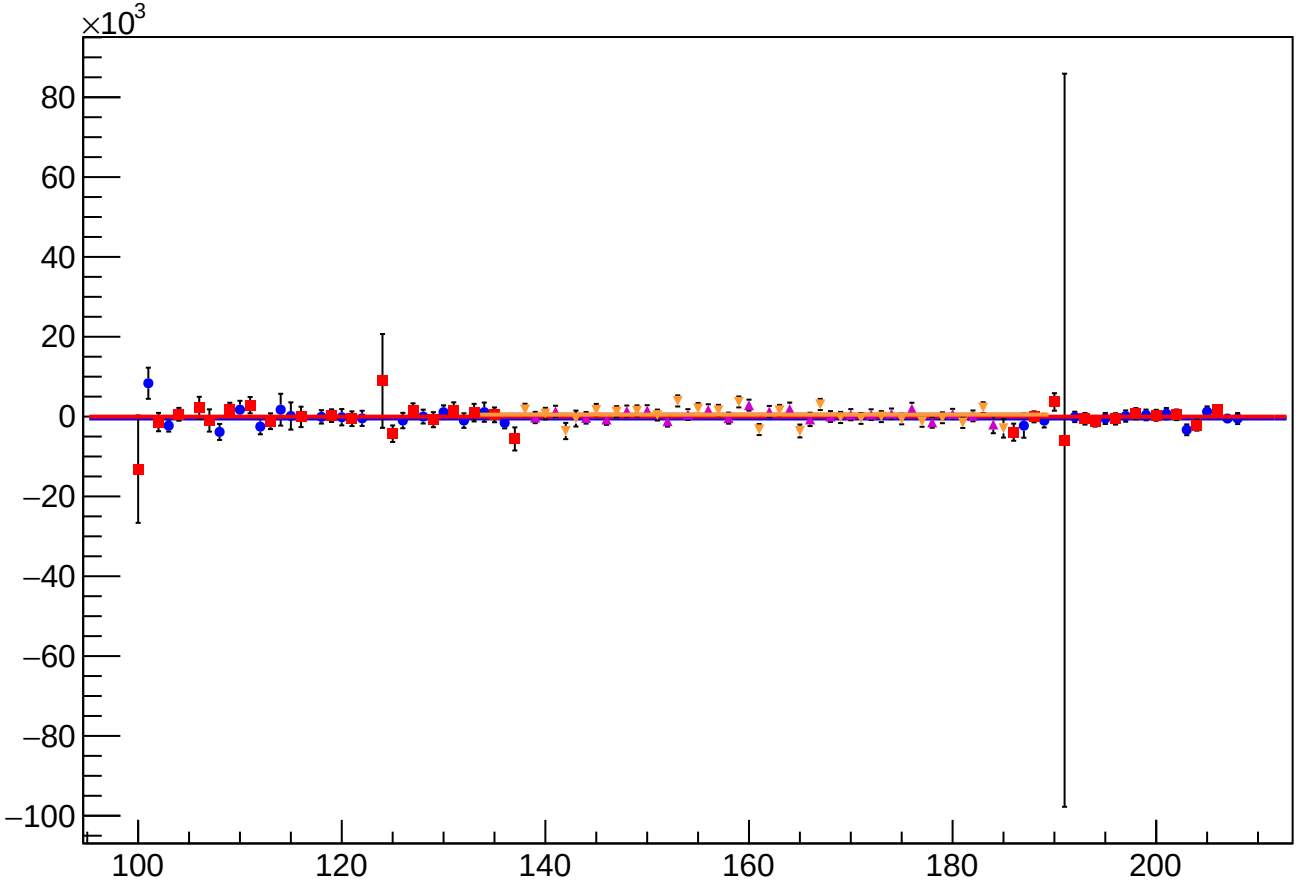
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13918679.3/51

All: 0.000+/-0.000 χ^2/NDF: 26150673.6/105

- sign 0.000+/-0.000 χ^2/NDF: 12090467.6/53

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -478.949+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

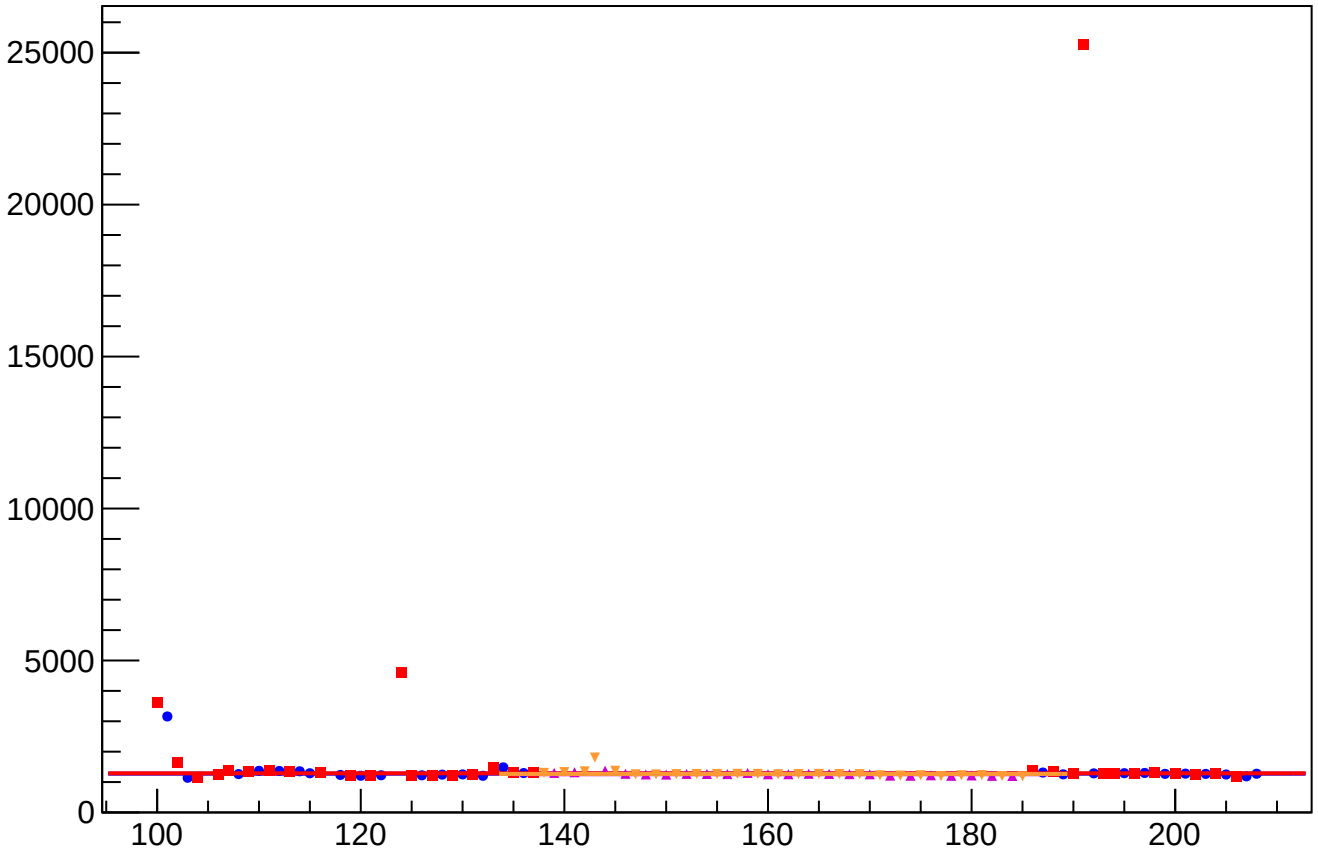
Right Out: -18.212+/-323.963 χ^2/NDF: 28.0/30

Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 61.988+/-215.328 χ^2/NDF: 73.8/51

All: 159.417+/-153.064 χ^2/NDF: 118.0/105

- sign 258.932+/-217.620 χ^2/NDF: 43.8/53



Right In: 1276.212+/-0.229 χ^2/NDF: 528341.6/26

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

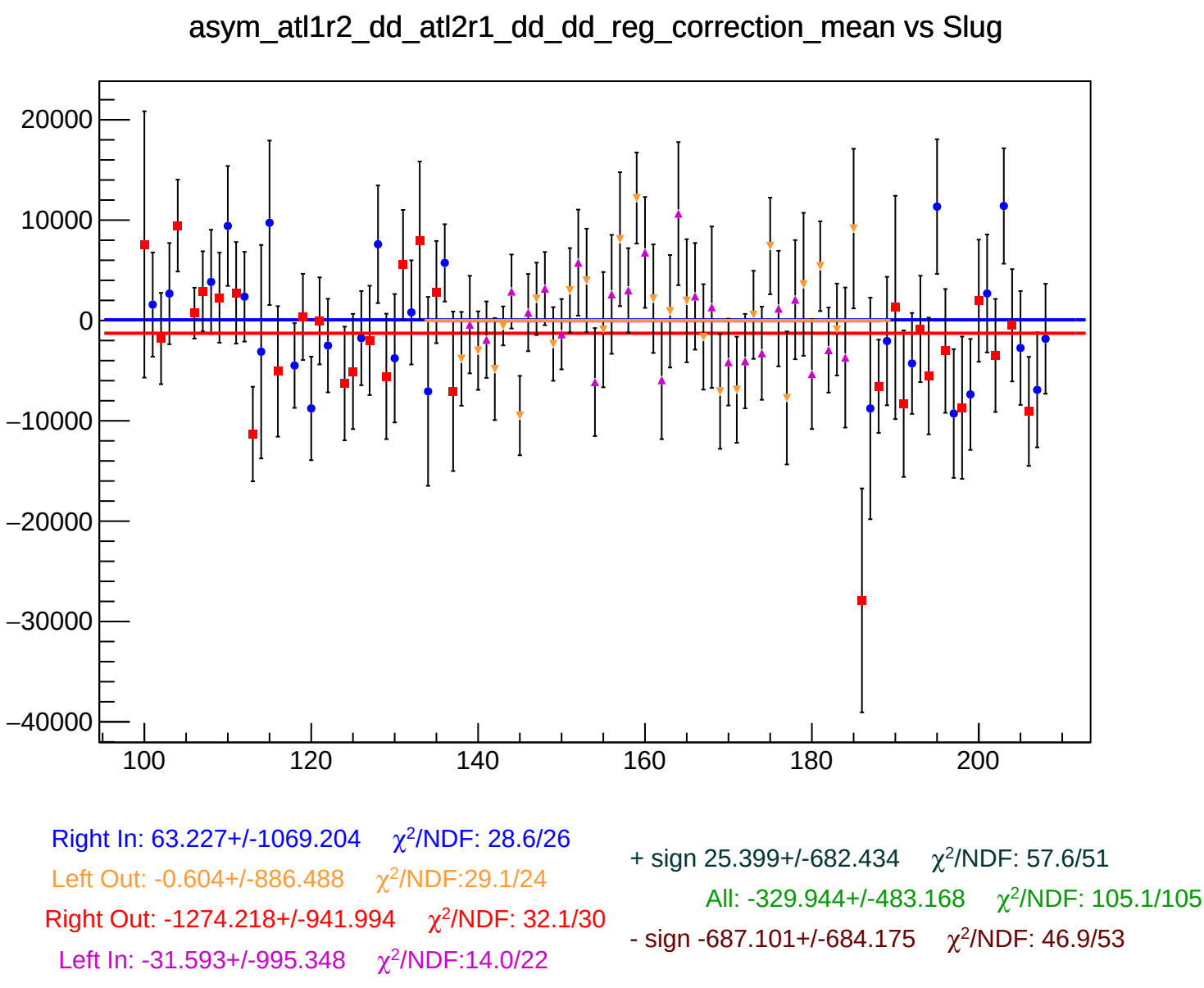
Right Out: 1287.807+/-0.229 χ^2/NDF: 482231.5/30

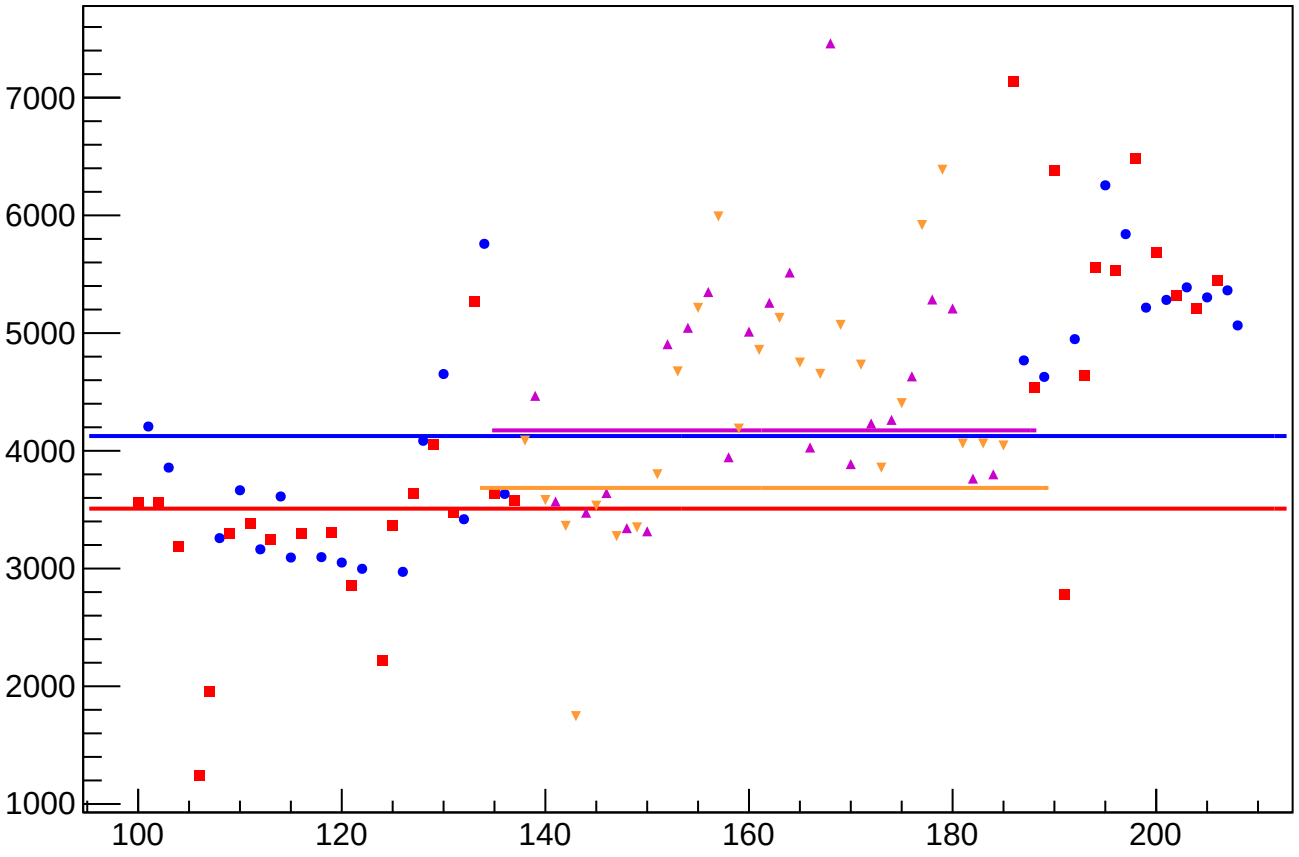
Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716796.8/51

All: 1271.141+/-0.108 χ^2/NDF: 1245430.1/10

- sign 1271.221+/-0.154 χ^2/NDF: 528632.7/53


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 63.227+/-1069.204 χ²/NDF: 28.6/26
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: -1274.218+/-941.994 χ²/NDF: 32.1/30
Left In: -31.593+/-995.348 χ²/NDF:14.0/22
+ sign 25.399+/-682.434 χ²/NDF: 57.6/51
All: -329.944+/-483.168 χ²/NDF: 105.1/105
- sign -687.101+/-684.175 χ²/NDF: 46.9/53



Right In: 4125.558+/-0.756 χ^2/NDF: 1696125.4/26

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3508.883+/-0.666 χ^2/NDF: 4479226.0/30

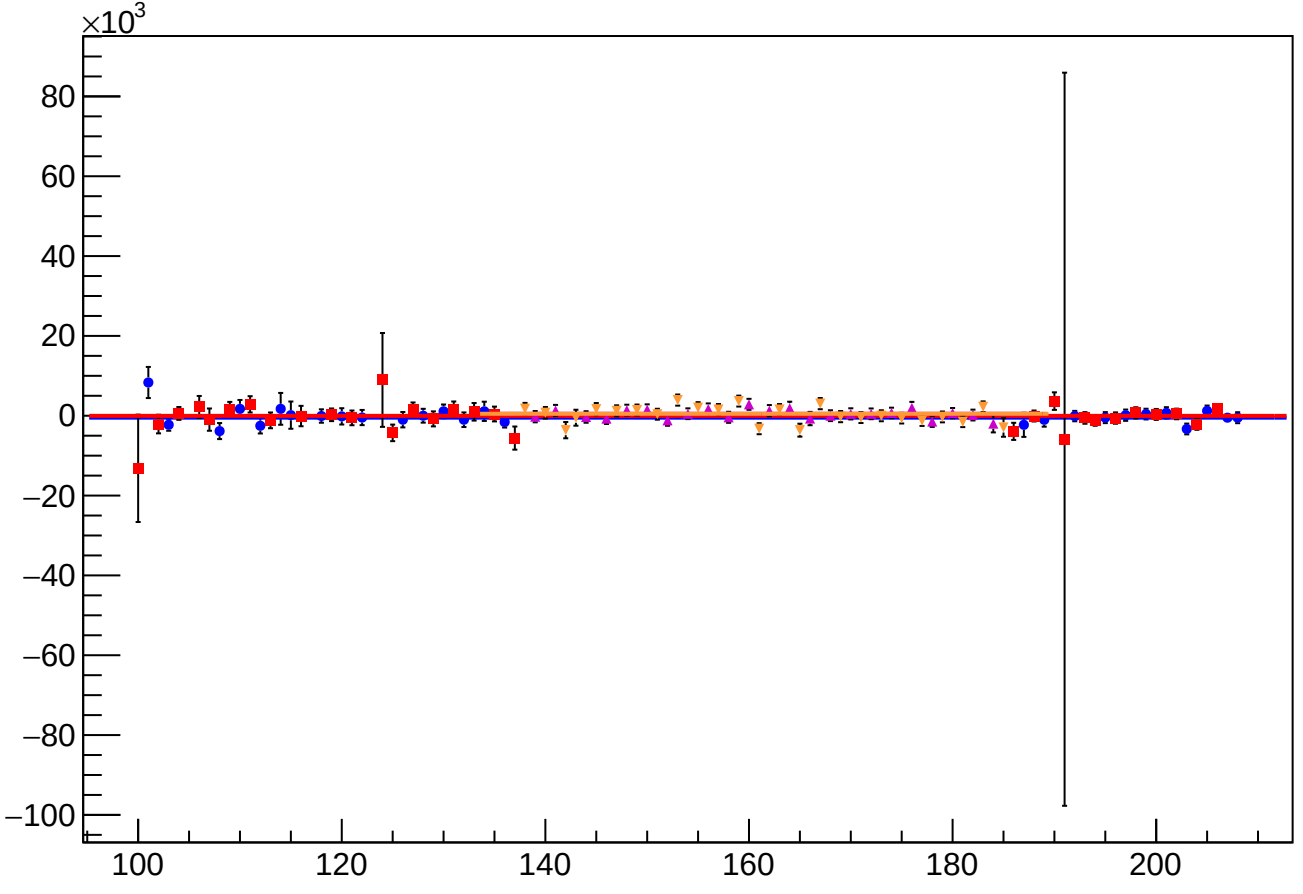
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3864.338+/-0.483 χ^2/NDF: 5591212.3/51

All: 3843.686+/-0.342 χ^2/NDF: 11819552.1/1

- sign 3822.928+/-0.484 χ^2/NDF: 6224667.3/53

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -31.039+/-324.058 χ^2/NDF: 28.5/30

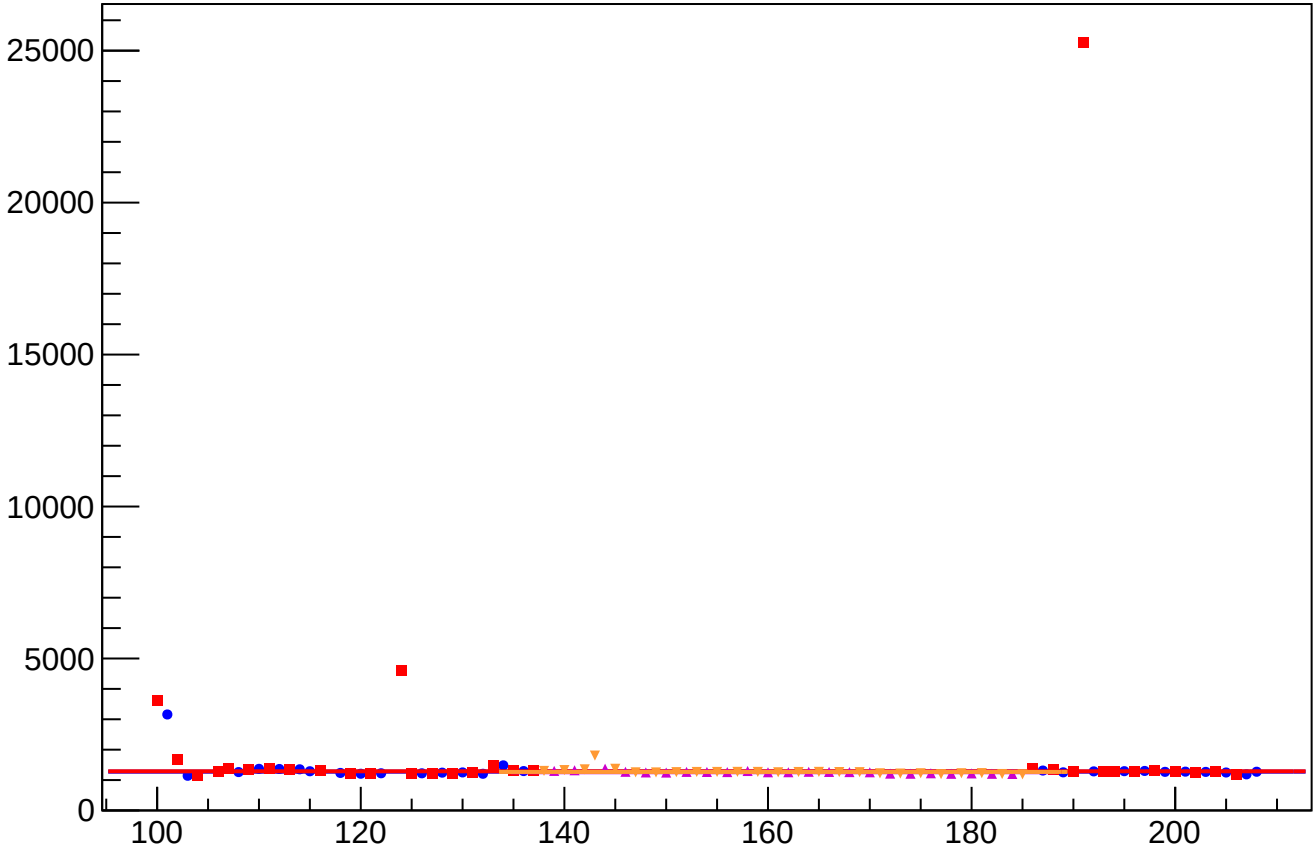
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.935+/-215.328 χ^2/NDF: 73.8/51

All: 156.524+/-153.074 χ^2/NDF: 118.5/105

- sign 253.163+/-217.648 χ^2/NDF: 44.3/53

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

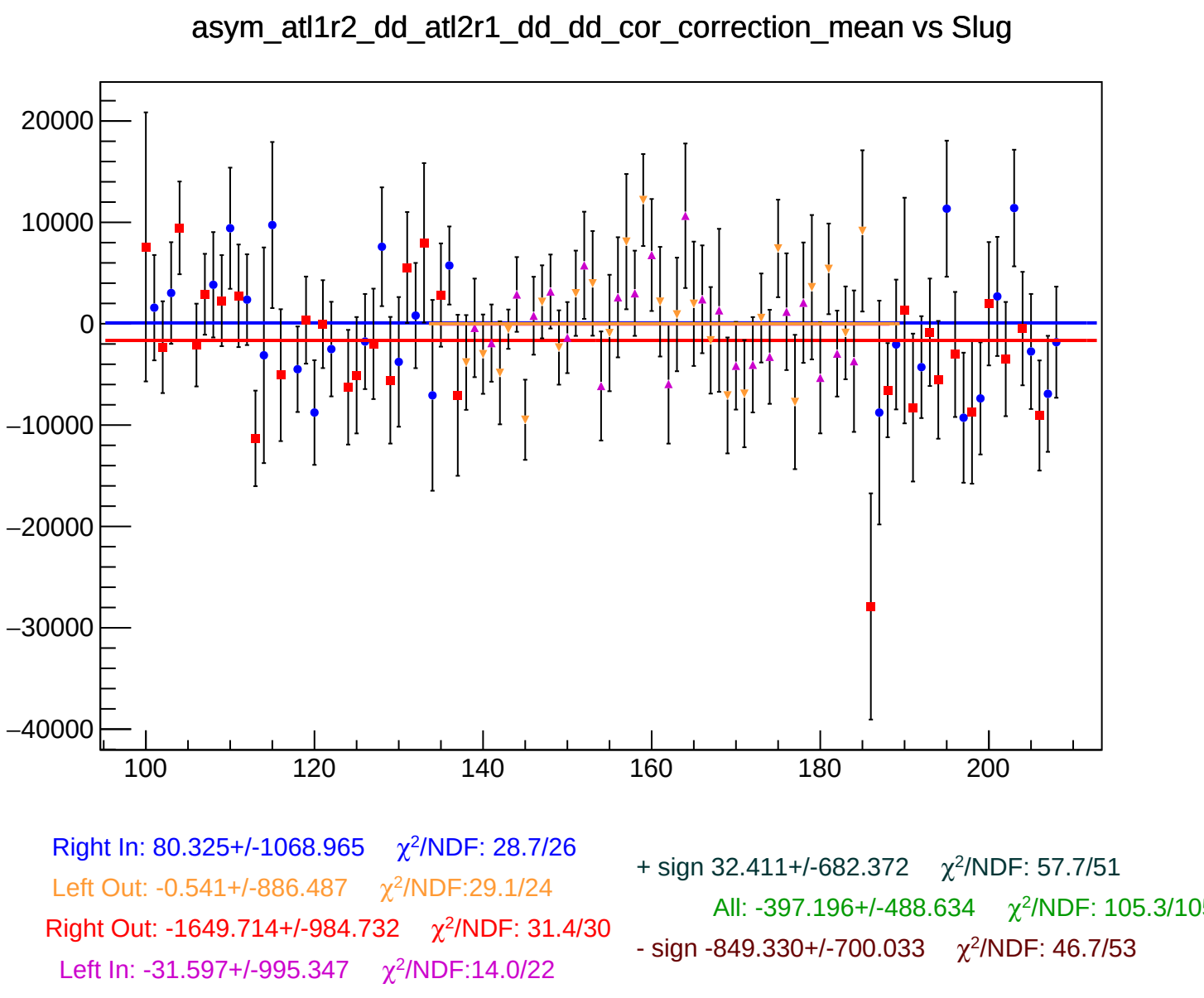
Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

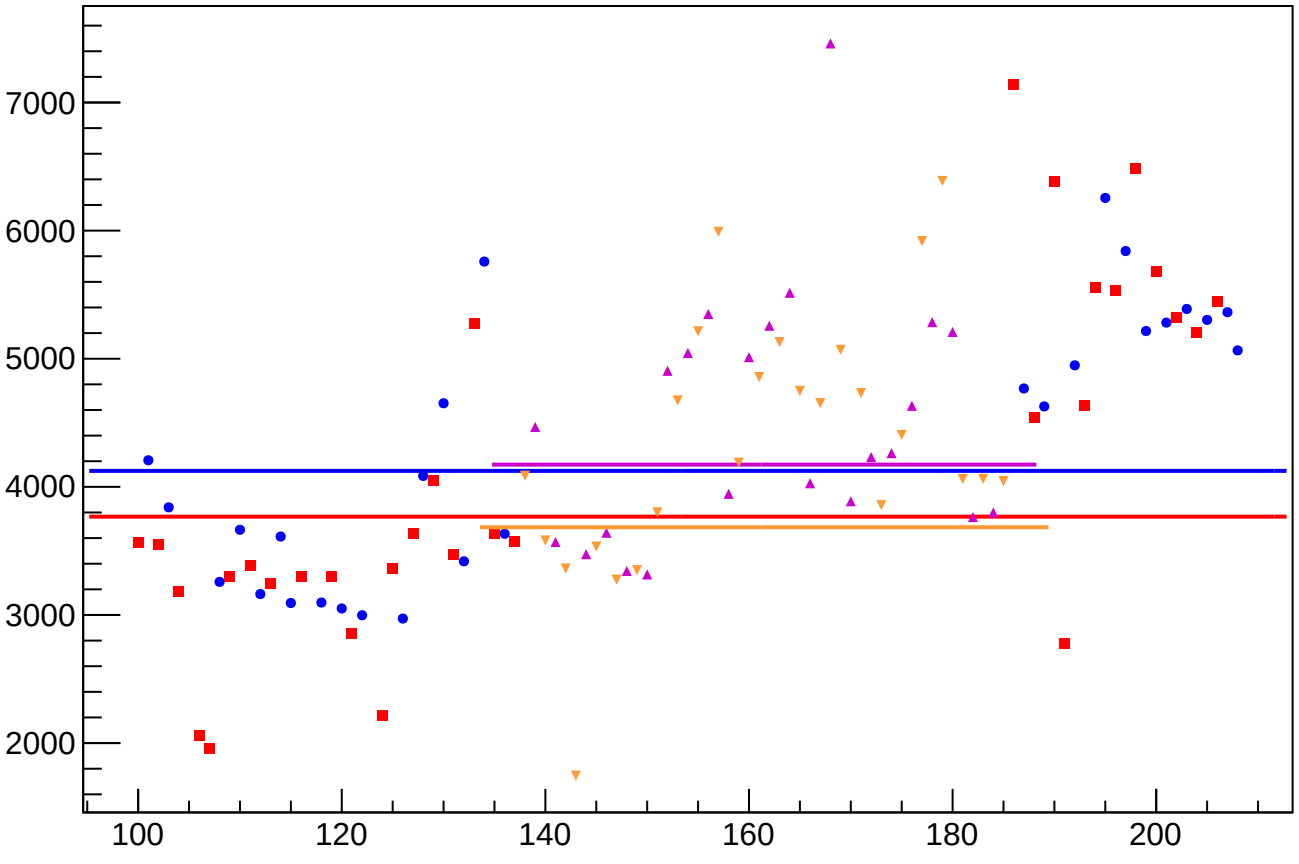
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716798.2/51

All: 1271.333+/-0.108 χ^2/NDF: 1252918.1/10

- sign 1271.610+/-0.154 χ^2/NDF: 536113.4/53


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 80.325+/-1068.965 χ²/NDF: 28.7/26
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1649.714+/-984.732 χ²/NDF: 31.4/30
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 32.411+/-682.372 χ²/NDF: 57.7/51
All: -397.196+/-488.634 χ²/NDF: 105.3/105
- sign -849.330+/-700.033 χ²/NDF: 46.7/53



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

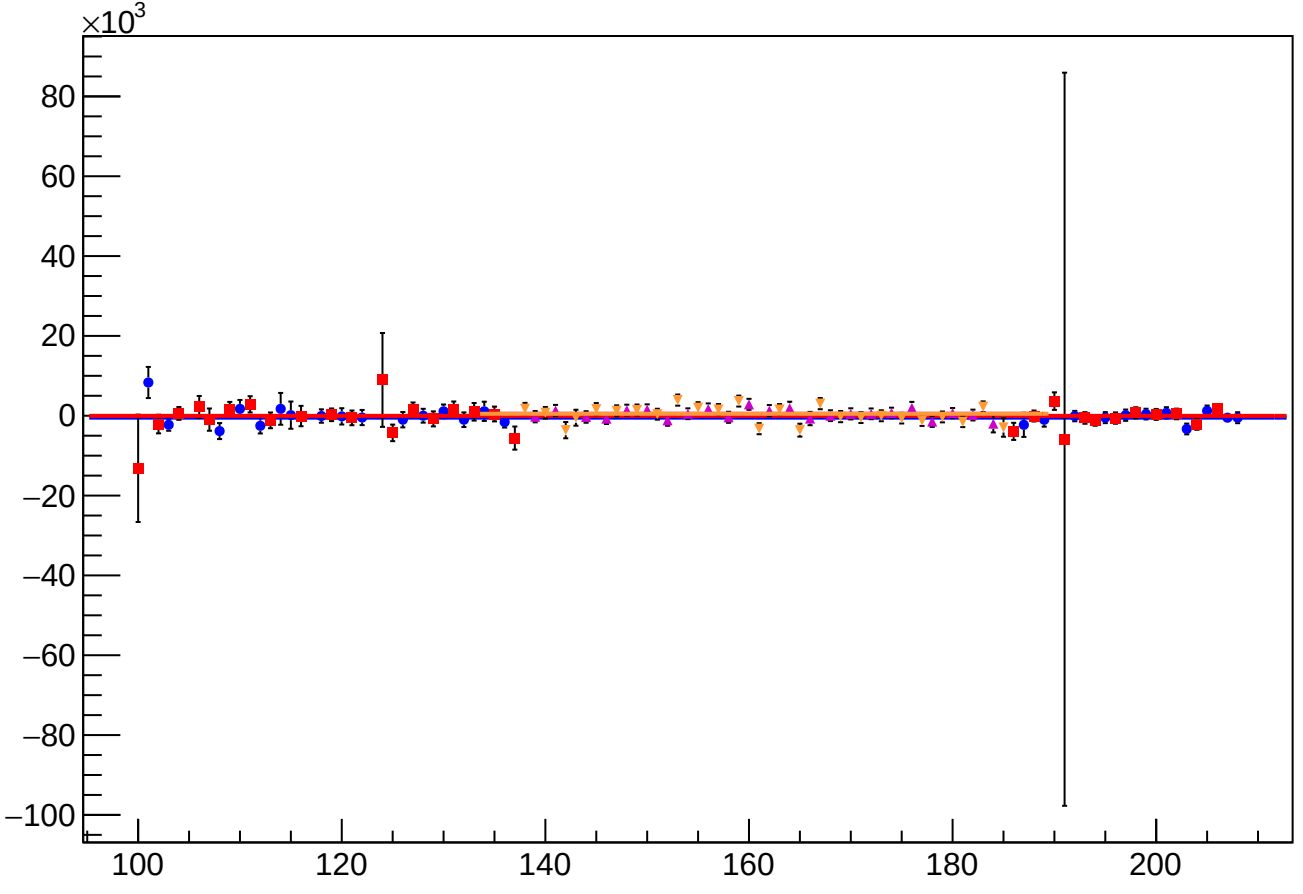
Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3864.026+/-0.483 χ^2/NDF: 5591359.7/51

All: 3914.838+/-0.346 χ^2/NDF: 10043404.8/1

- sign 3968.315+/-0.495 χ^2/NDF: 4429284.0/53



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

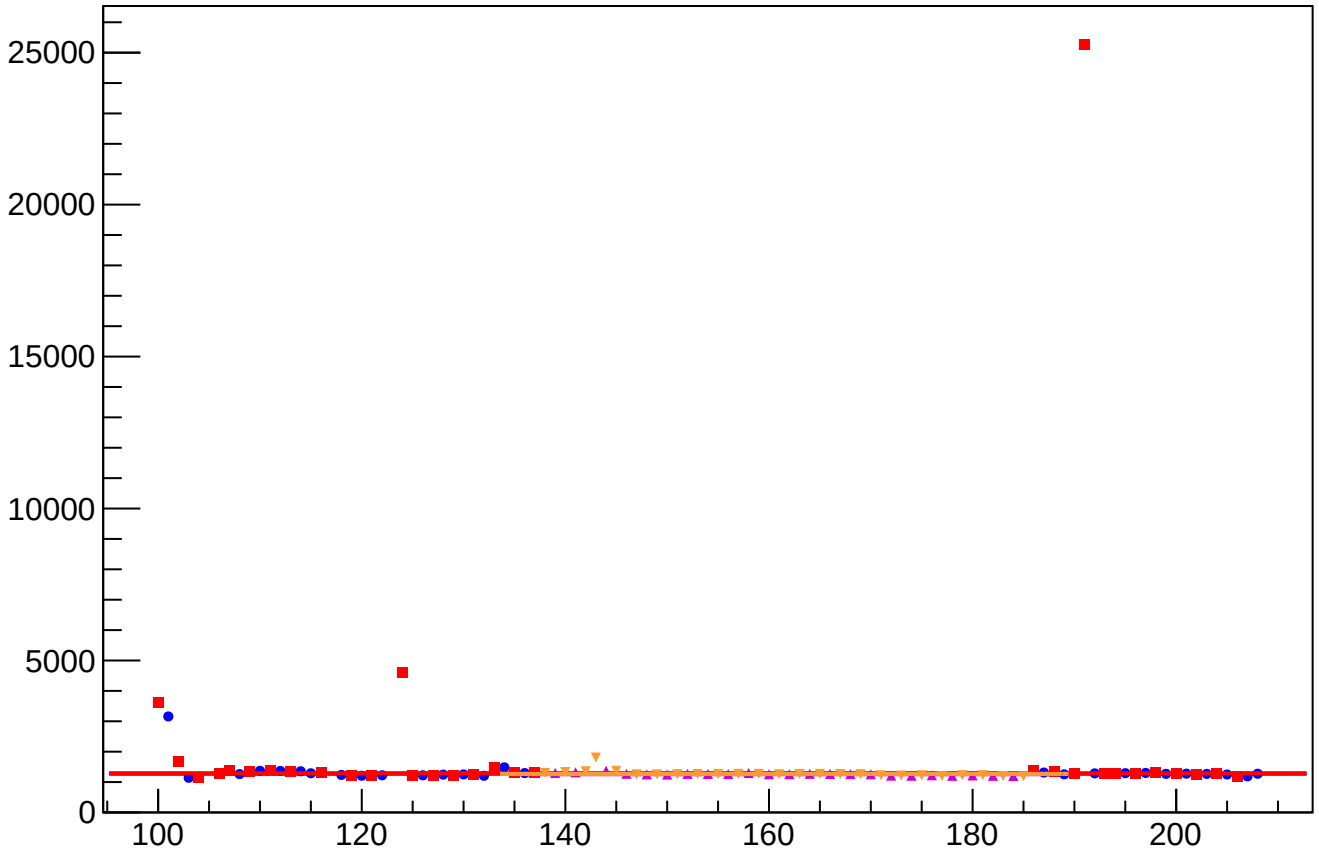
Right Out: -31.039+/-324.058 χ^2/NDF: 28.5/30

Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.935+/-215.328 χ^2/NDF: 73.8/51

All: 156.524+/-153.074 χ^2/NDF: 118.5/105

- sign 253.163+/-217.648 χ^2/NDF: 44.3/53



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

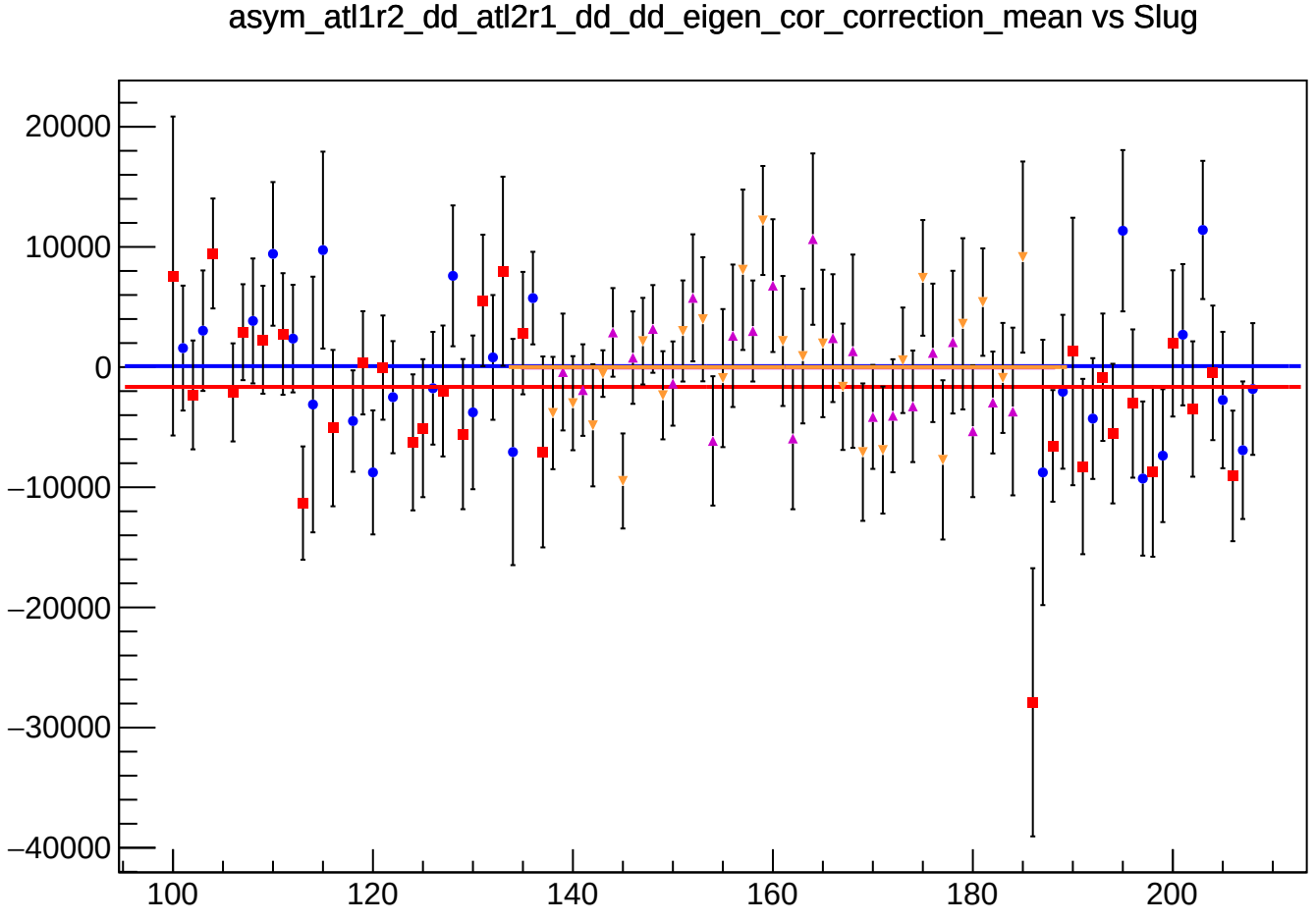
Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716798.2/51

All: 1271.333+/-0.108 χ^2/NDF: 1252918.1/10

- sign 1271.610+/-0.154 χ^2/NDF: 536113.4/53



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

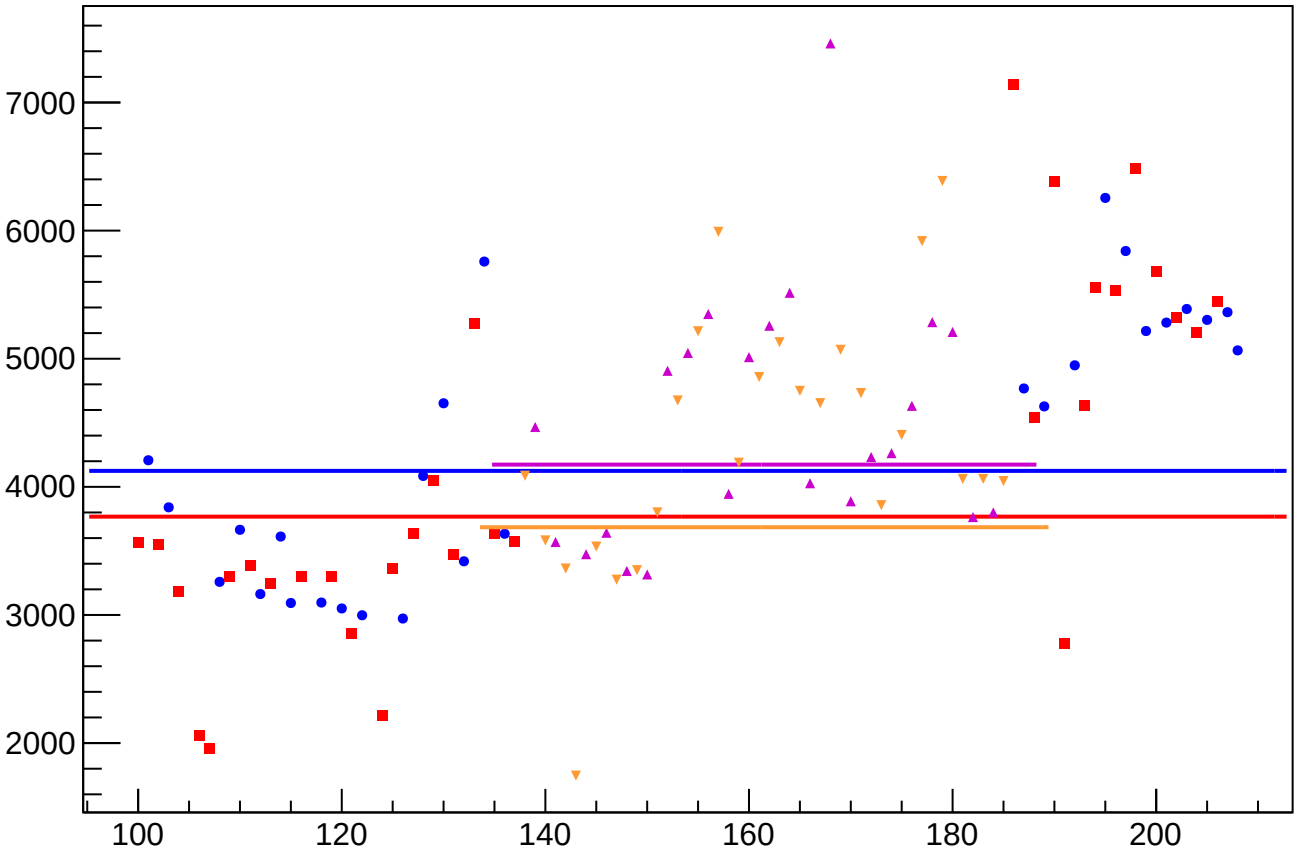
Right Out: -1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 32.411+/-682.372 χ^2/NDF: 57.7/51

All: -397.196+/-488.634 χ^2/NDF: 105.3/105

- sign -849.330+/-700.033 χ^2/NDF: 46.7/53



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

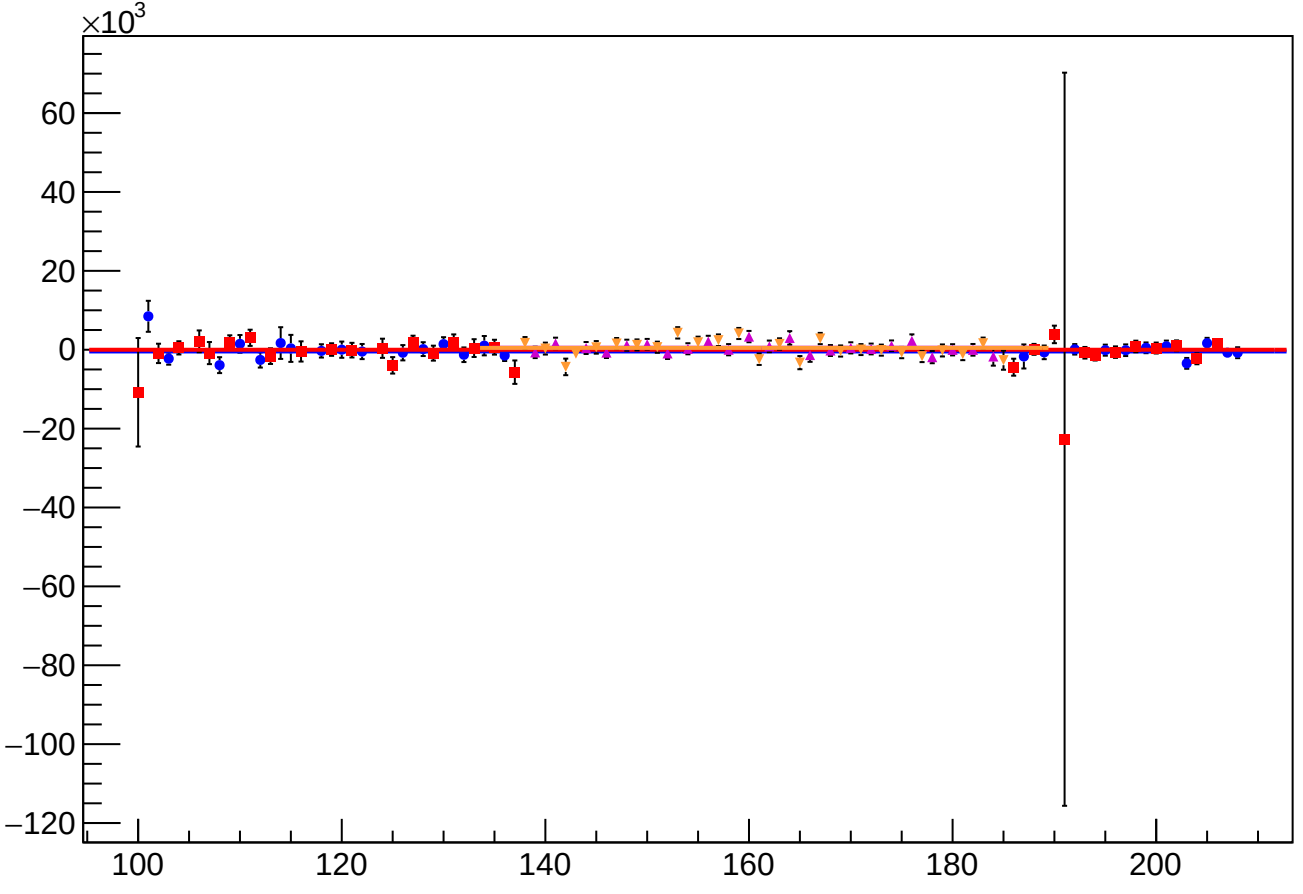
Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3864.026+/-0.483 χ^2/NDF: 5591359.7/51

All: 3914.838+/-0.346 χ^2/NDF: 10043404.8/1

\- sign 3968.315+/-0.495 χ^2/NDF: 4429284.0/53



Right In: -436.980+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -5.003+/-326.544 χ^2/NDF: 29.0/30

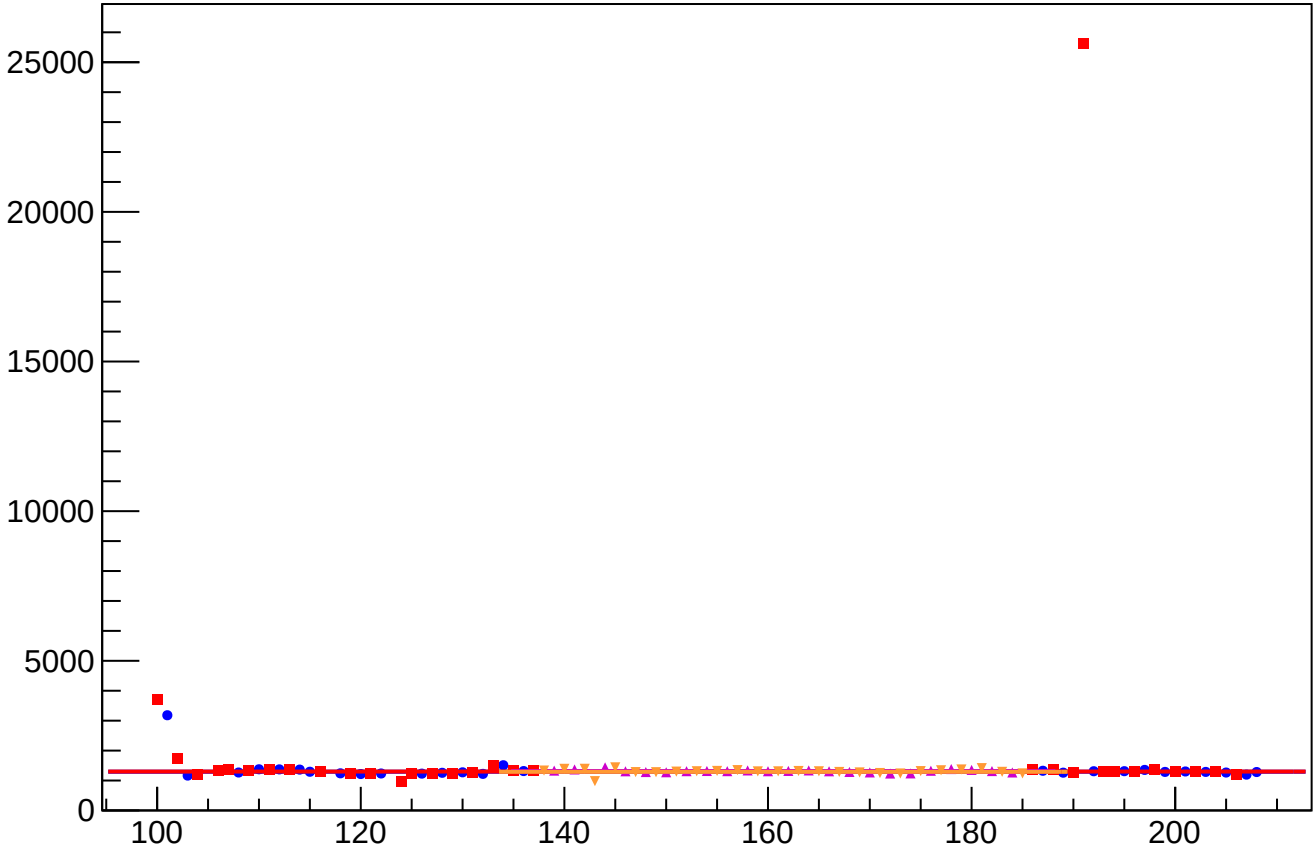
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 64.500+/-219.054 χ^2/NDF: 71.6/51

All: 162.603+/-156.509 χ^2/NDF: 119.7/105

- sign 264.905+/-223.693 χ^2/NDF: 47.7/53

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.1/26

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

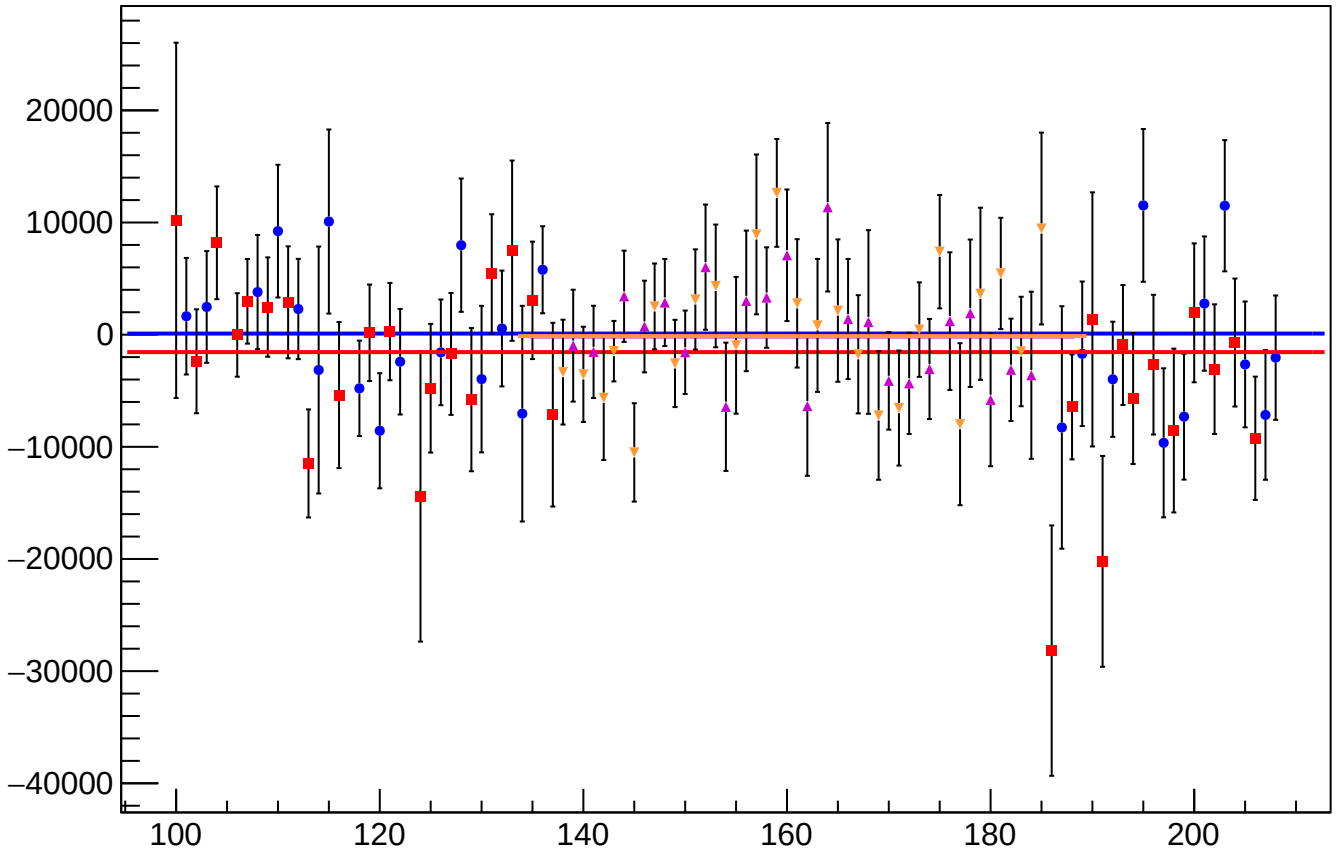
Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.0/30

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1292.414+/-0.155 χ^2/NDF: 759741.3/51

All: 1299.772+/-0.111 χ^2/NDF: 1187311.4/10

- sign 1307.442+/-0.158 χ^2/NDF: 422961.4/53



Right In: 98.258+/-1074.950 χ^2/NDF: 28.4/26

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

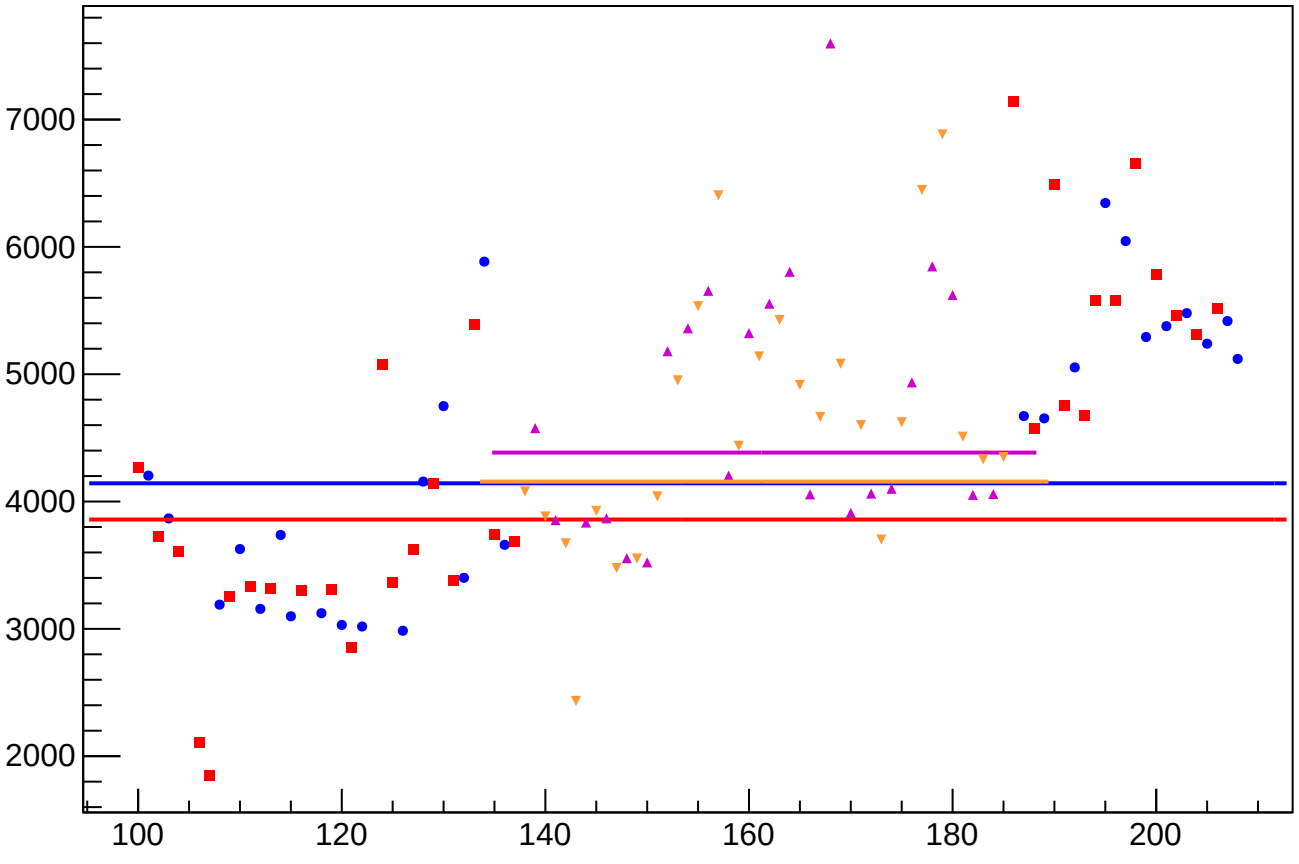
Right Out: -1556.741+/-1002.016 χ^2/NDF: 33.1/30

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -25.222+/-723.091 χ^2/NDF: 57.0/51

All: -456.298+/-511.419 χ^2/NDF: 105.5/105

- sign -887.765+/-723.420 χ^2/NDF: 47.8/53



Right In: 4143.082+/-0.760 χ^2/NDF: 1785243.1/26

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

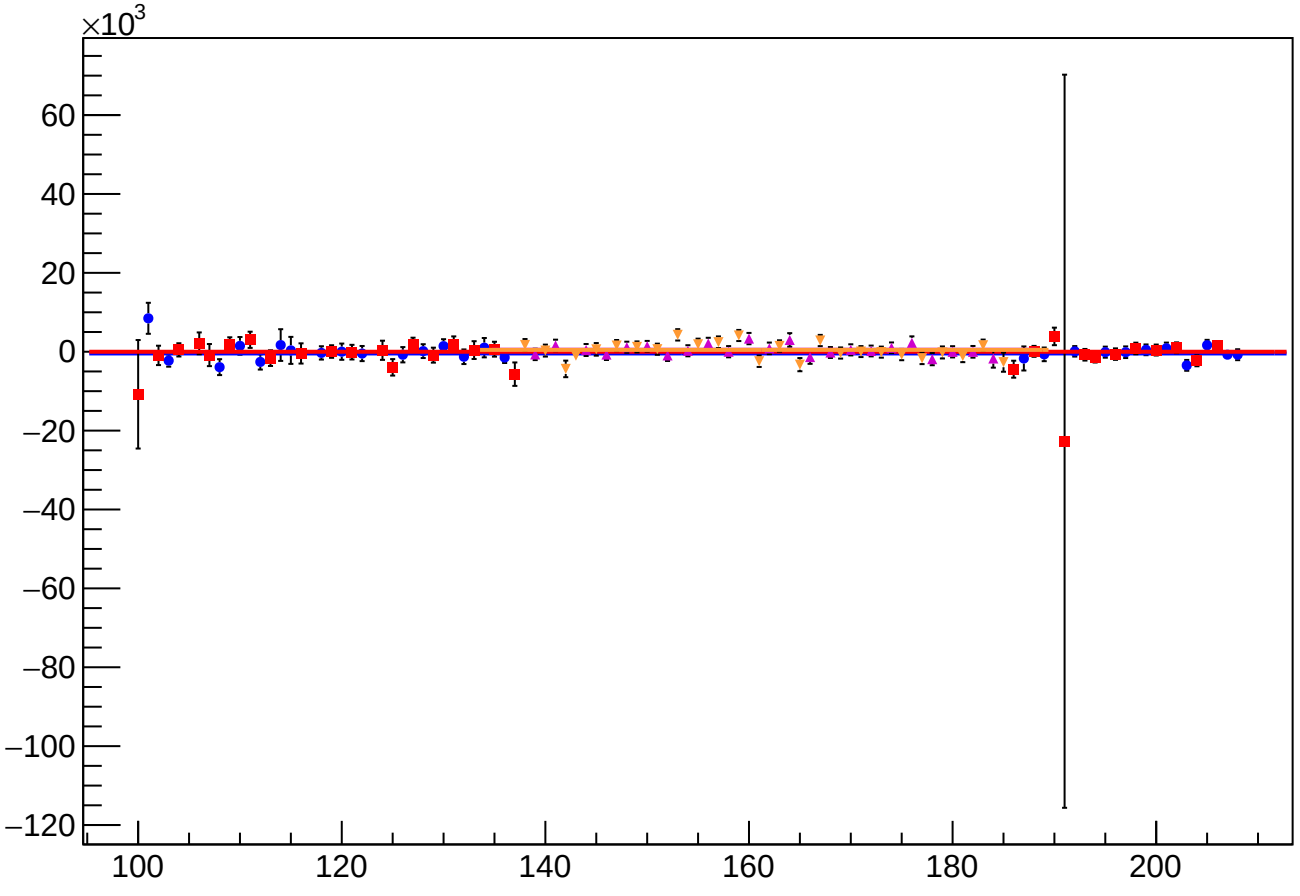
Right Out: 3858.672+/-0.709 χ^2/NDF: 3057818.8/30

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4150.473+/-0.511 χ^2/NDF: 3866181.9/51

All: 4130.414+/-0.362 χ^2/NDF: 8446062.8/10

- sign 4110.336+/-0.512 χ^2/NDF: 4576801.2/53



Right In: -436.981+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -5.002+/-326.544 χ^2/NDF: 29.0/30

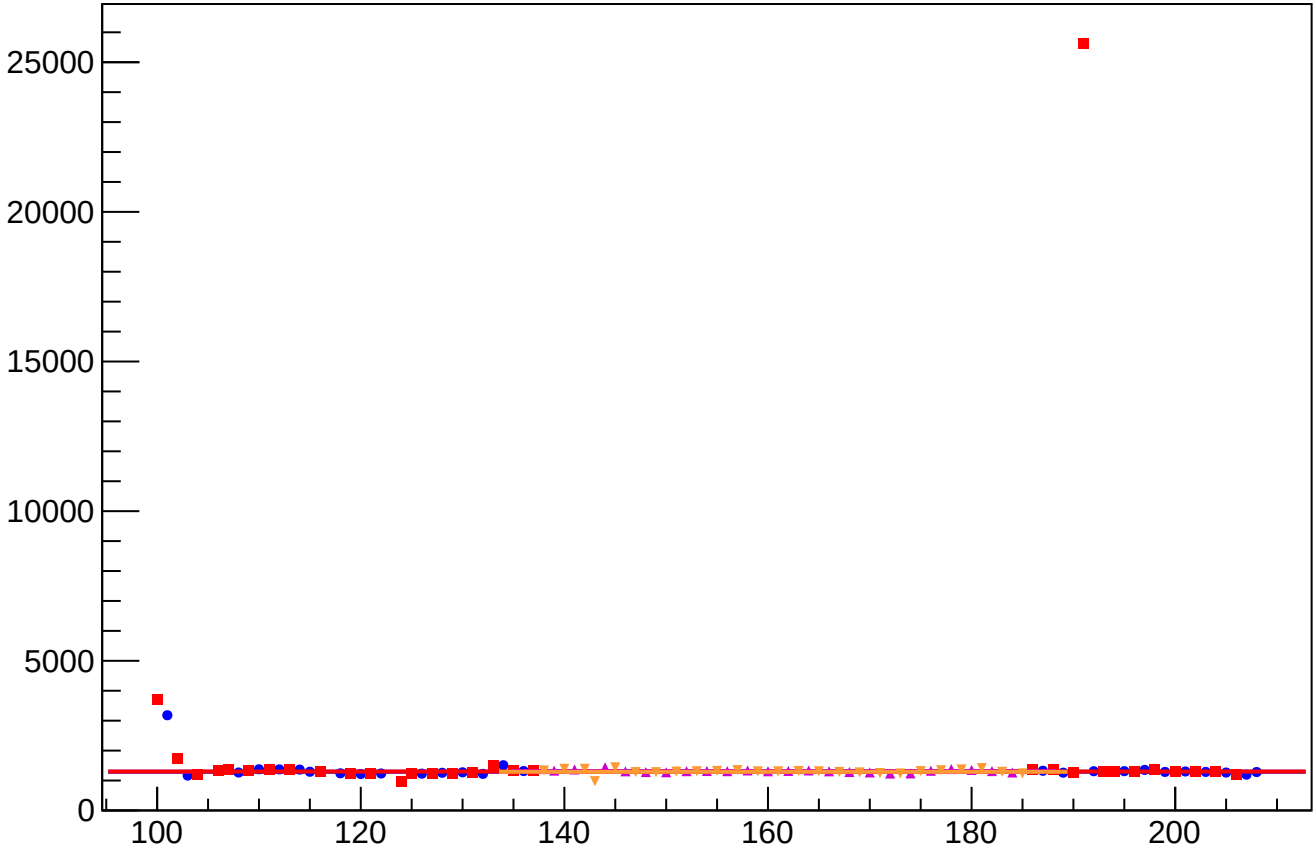
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 64.501+/-219.054 χ^2/NDF: 71.6/51

All: 162.604+/-156.509 χ^2/NDF: 119.7/105

- sign 264.905+/-223.694 χ^2/NDF: 47.7/53

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.2/26

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

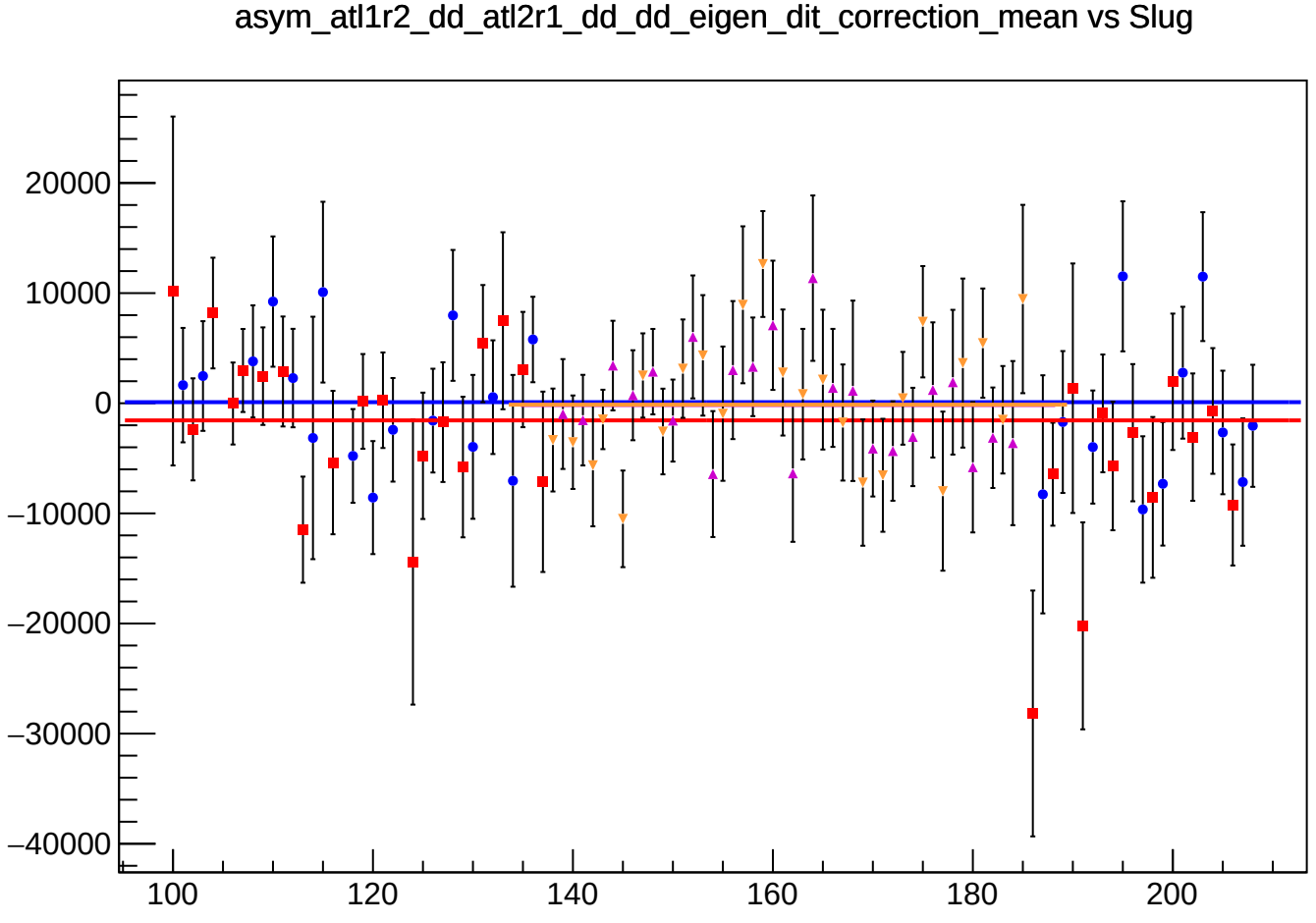
Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.1/30

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1292.415+/-0.155 χ^2/NDF: 759743.7/51

All: 1299.773+/-0.111 χ^2/NDF: 1187316.5/10

- sign 1307.443+/-0.158 χ^2/NDF: 422964.0/53



Right In: 98.254+/-1074.949 χ^2/NDF: 28.4/26

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

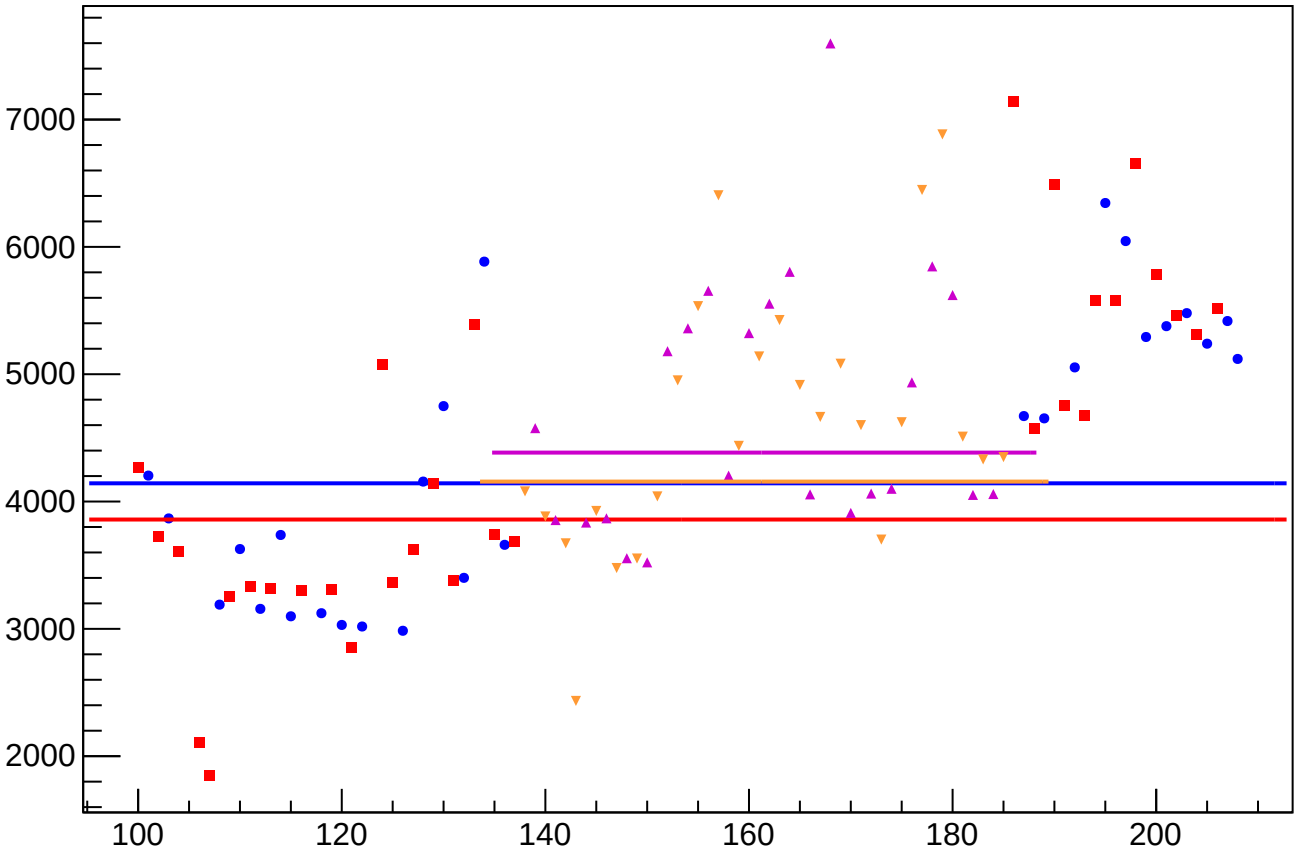
Right Out: -1556.733+/-1002.014 χ^2/NDF: 33.1/30

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -25.223+/-723.091 χ^2/NDF: 57.0/51

All: -456.297+/-511.419 χ^2/NDF: 105.5/105

- sign -887.763+/-723.420 χ^2/NDF: 47.8/53



Right In: 4143.076+/-0.760 χ^2/NDF: 1785274.0/26

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3858.666+/-0.709 χ^2/NDF: 3057847.1/30

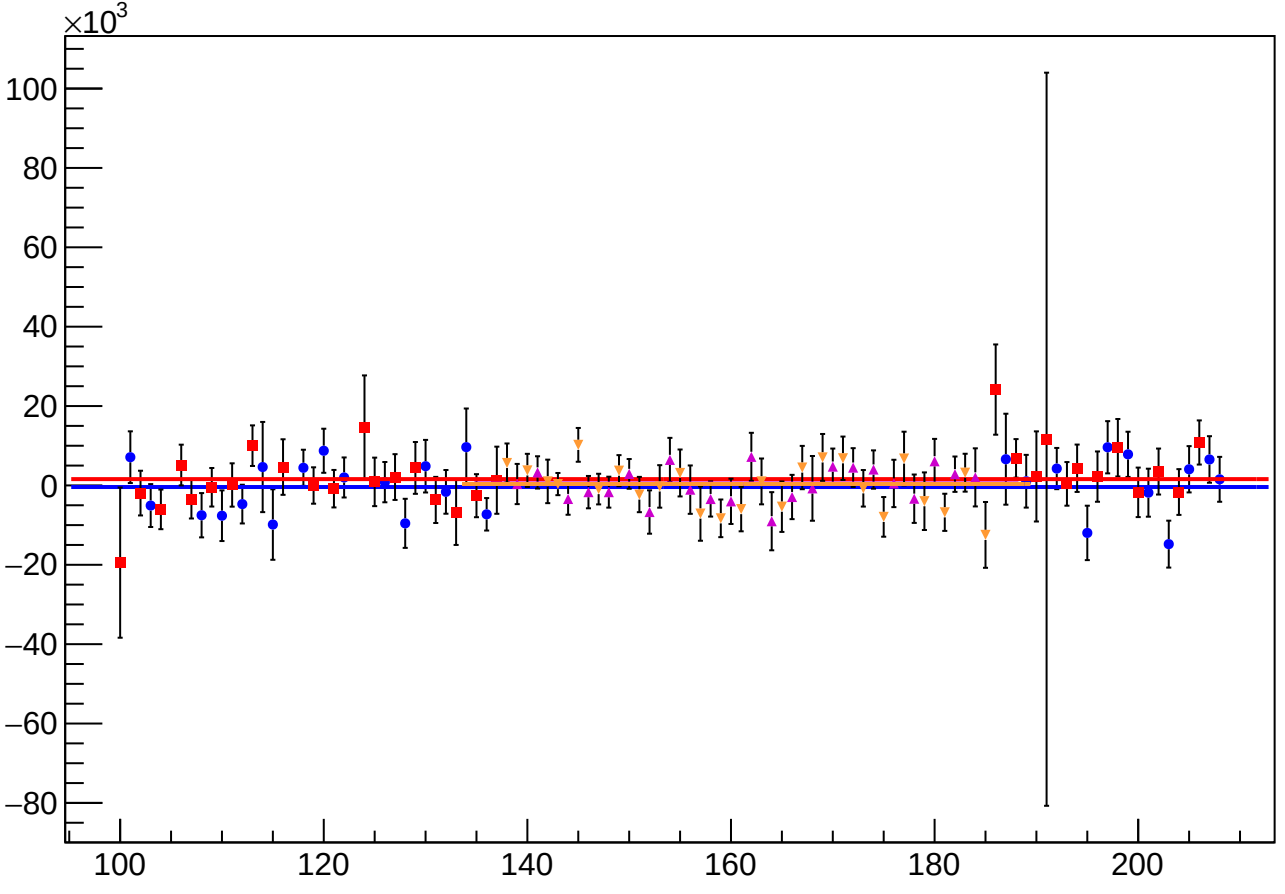
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4150.474+/-0.511 χ^2/NDF: 3866216.0/51

All: 4130.414+/-0.362 χ^2/NDF: 8446142.7/10

- sign 4110.336+/-0.512 χ^2/NDF: 4576846.9/53

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -403.476+/-1135.087 χ^2/NDF: 34.5/26

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1590.008+/-1090.282 χ^2/NDF: 22.8/30

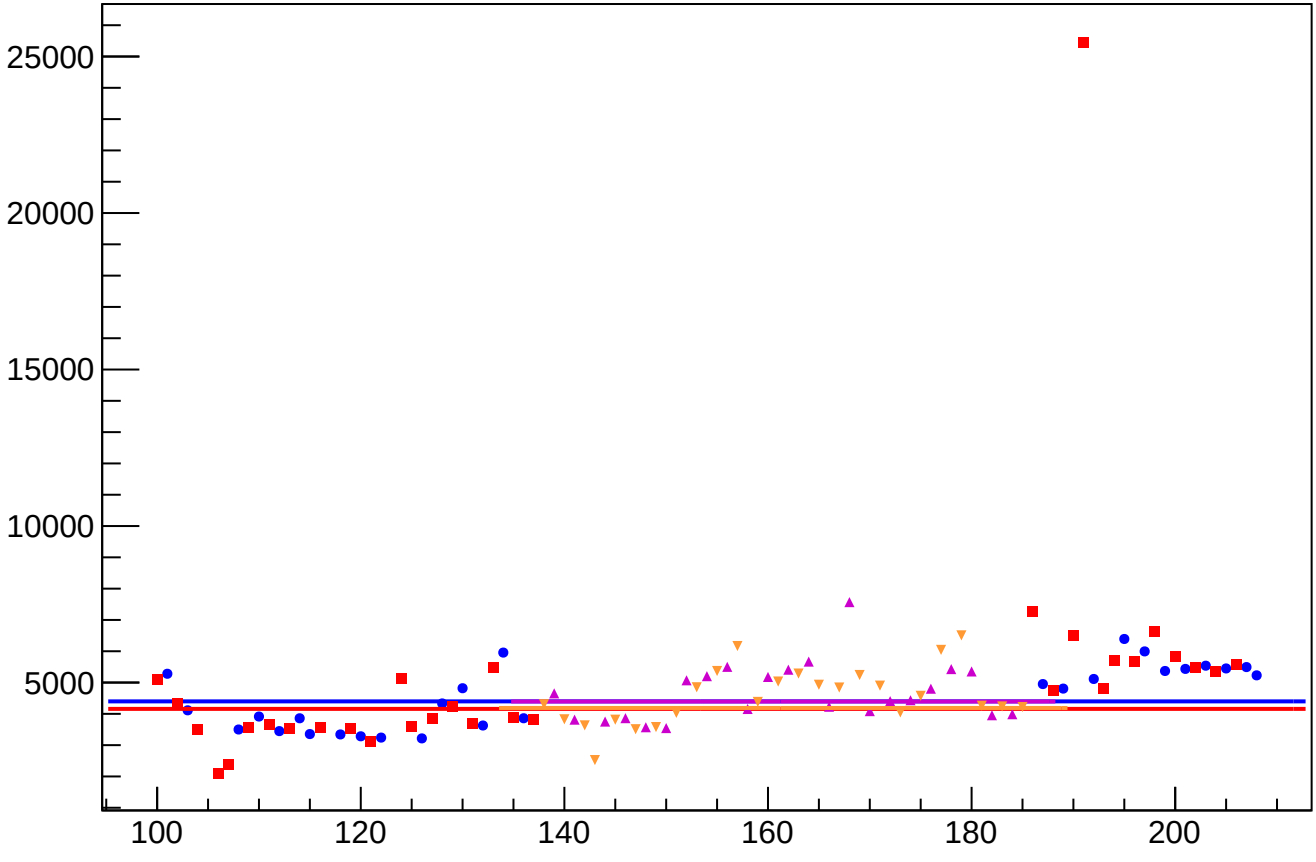
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 35.446+/-741.724 χ^2/NDF: 62.5/51

All: 519.659+/-528.874 χ^2/NDF: 100.5/105

- sign 1020.455+/-754.317 χ^2/NDF: 37.2/53

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4398.565+/-0.803 χ^2/NDF: 1456003.4/26

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

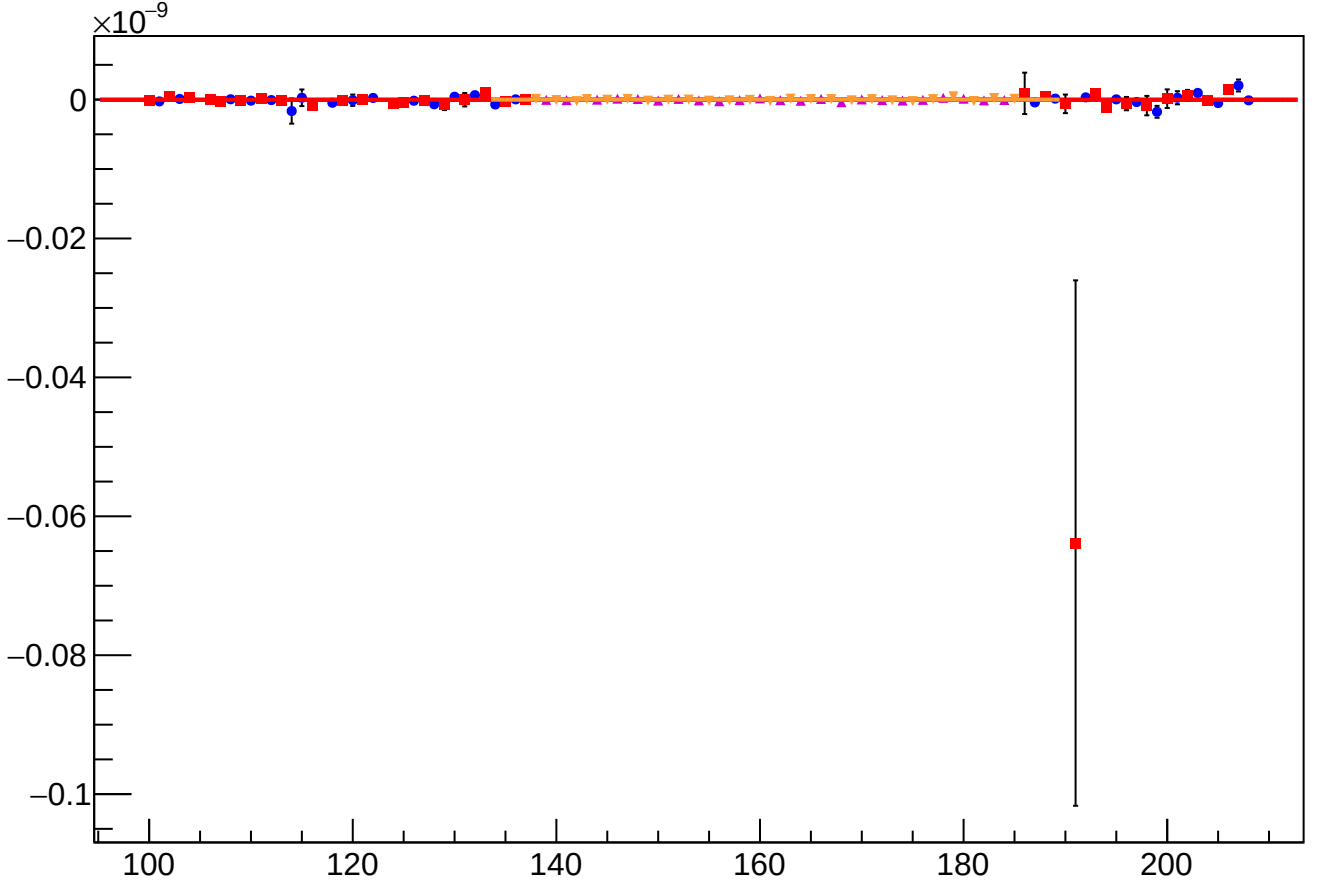
Right Out: 4158.534+/-0.764 χ^2/NDF: 2452358.5/30

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4277.825+/-0.524 χ^2/NDF: 3291843.3/51

All: 4279.086+/-0.373 χ^2/NDF: 6881842.3/10

- sign 4280.379+/-0.531 χ^2/NDF: 3589987.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

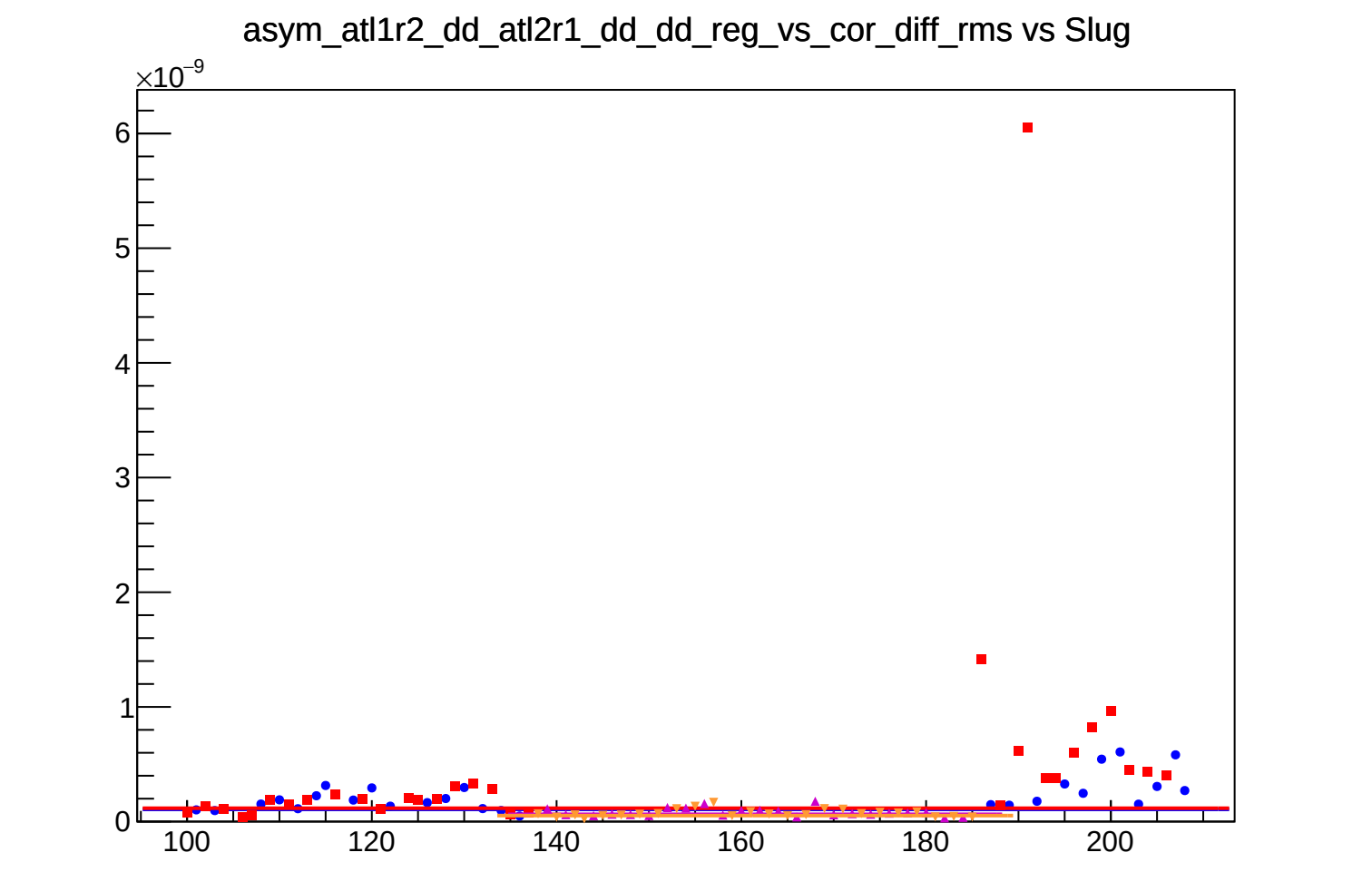
Right Out: -0.000+/-0.000 χ^2/NDF: 33.0/30

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.9/51

All: -0.000+/-0.000 χ^2/NDF: 115.1/105

- sign -0.000+/-0.000 χ^2/NDF: 50.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 4277731.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

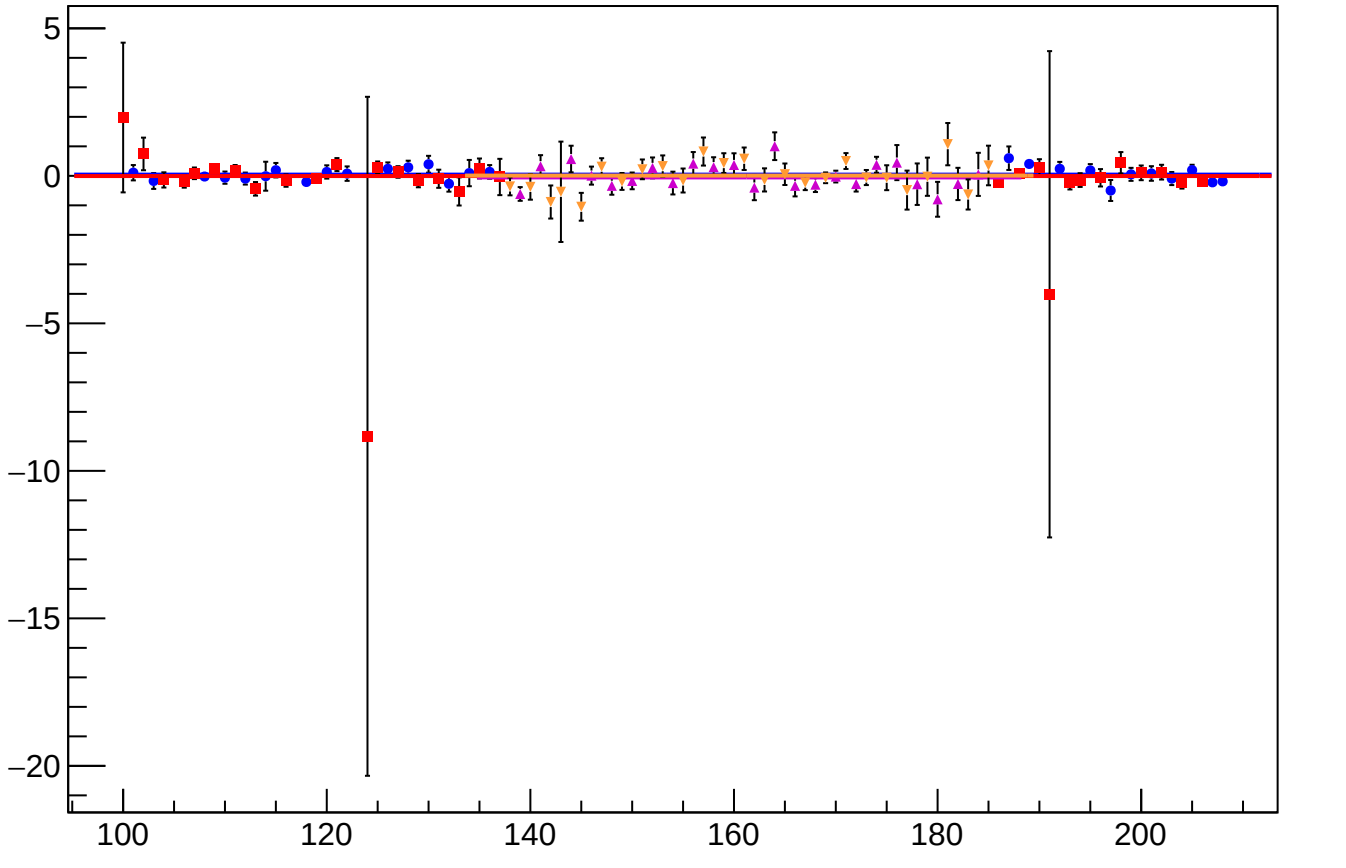
Right Out: 0.000+/-0.000 χ^2/NDF: 6378887.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8562393.4/51

All: 0.000+/-0.000 χ^2/NDF: 18291975.4/105

- sign 0.000+/-0.000 χ^2/NDF: 9458054.7/53



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

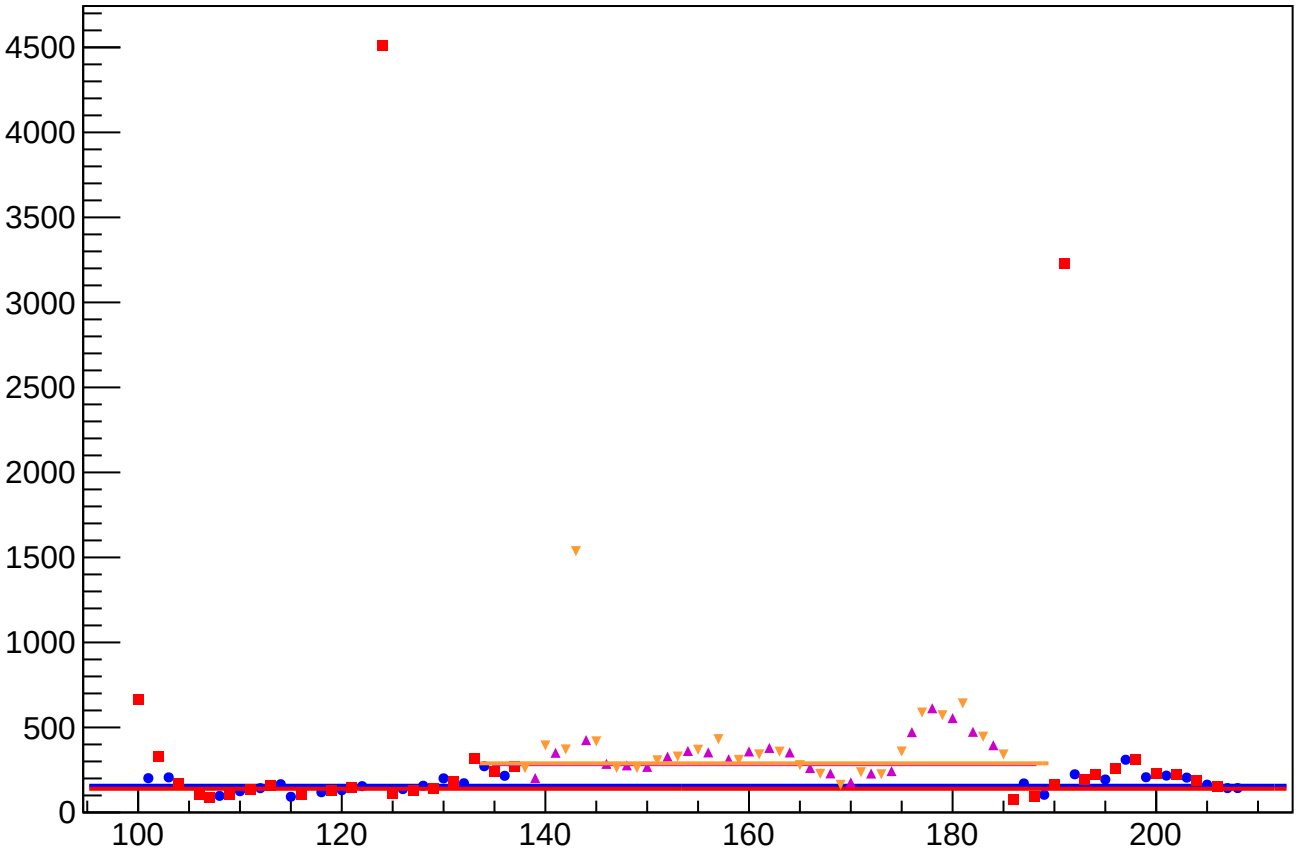
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

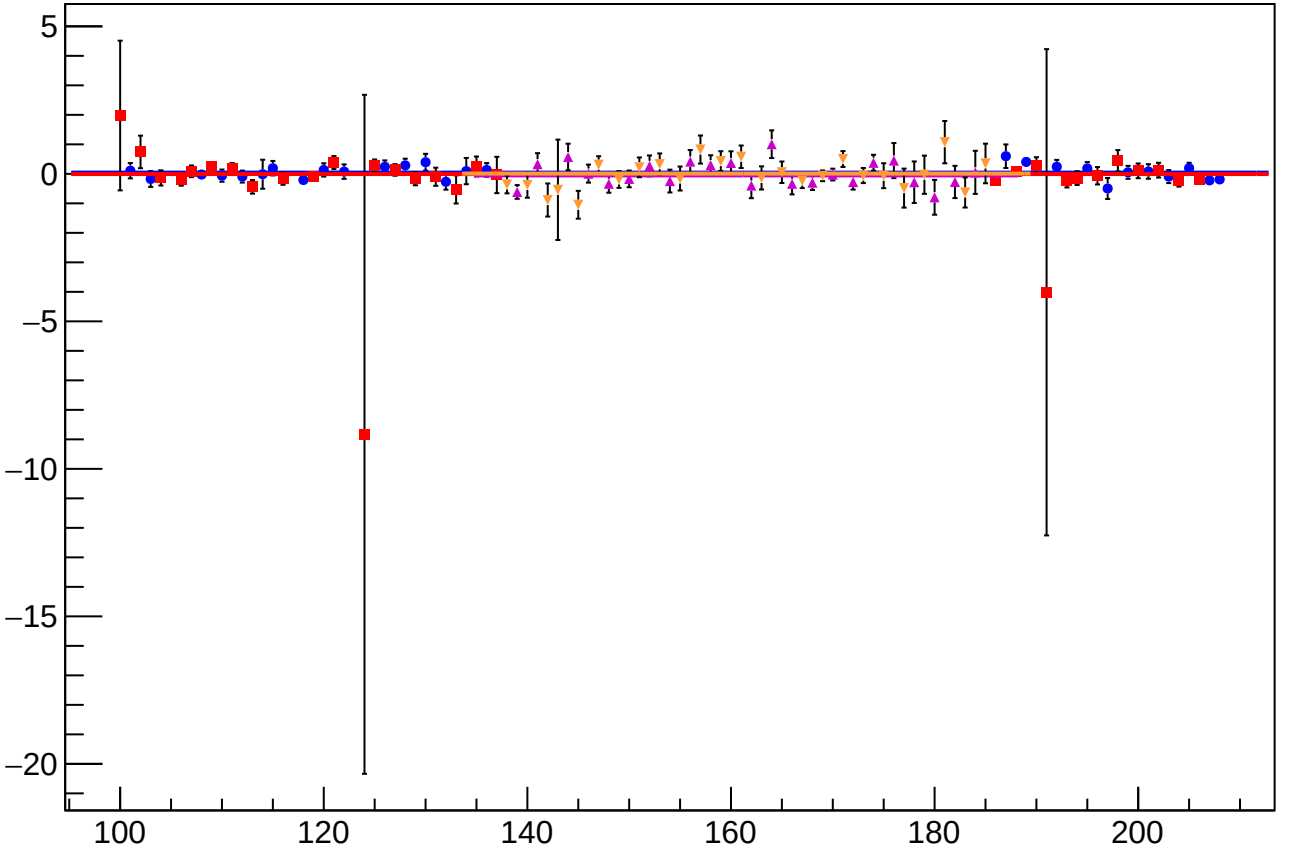
+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.006+/-0.025 χ^2/NDF: 116.8/105

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 157.039+/-0.030 χ²/NDF: 2252194.5/26
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 139.244+/-0.027 χ²/NDF: 4674613.0/30
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 191.142+/-0.026 χ²/NDF: 12013966.7/51
All: 181.483+/-0.017 χ²/NDF: 26539255.0/10
- sign 172.947+/-0.024 χ²/NDF: 14255780.1/53

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

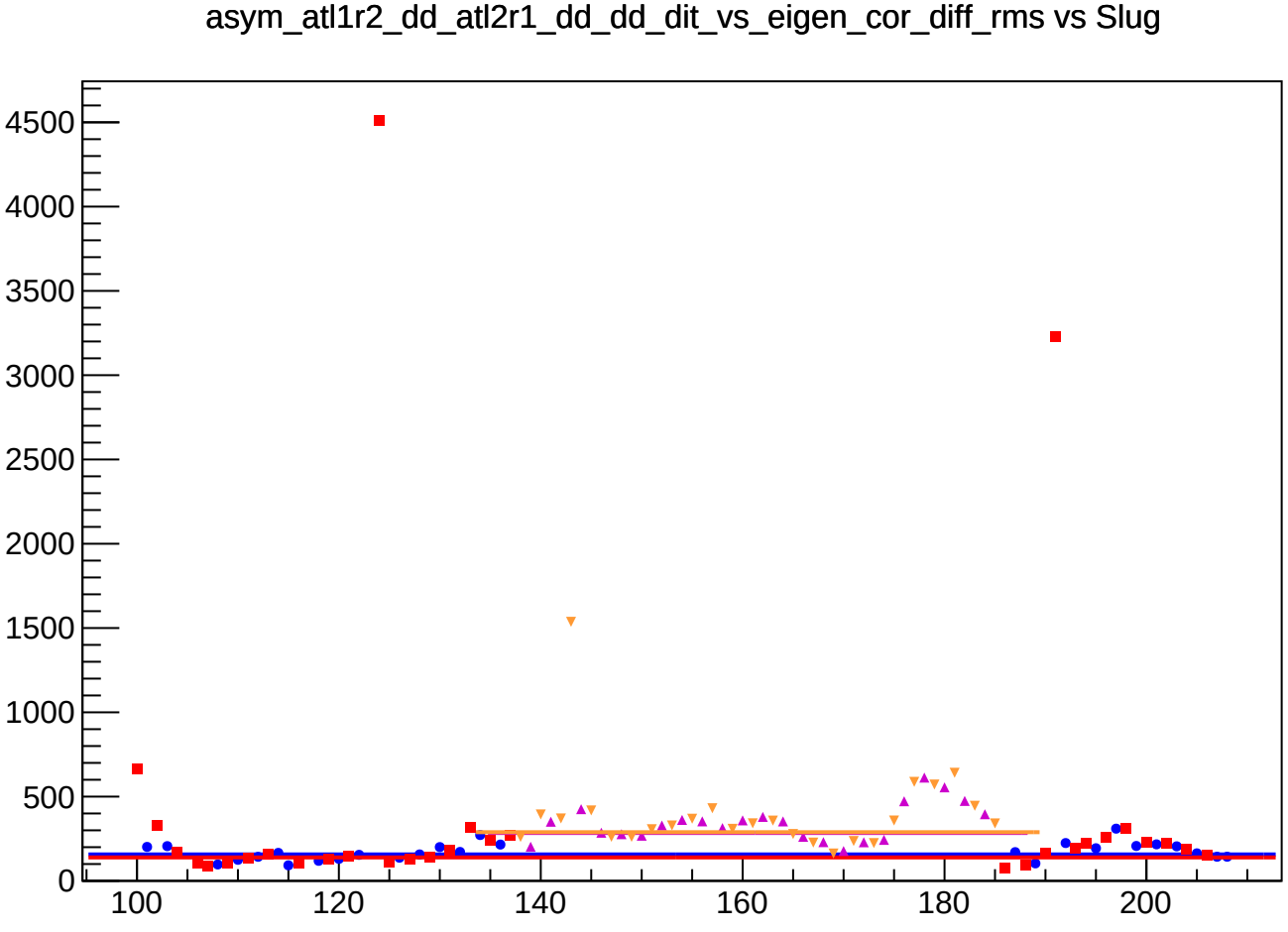
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.006+/-0.025 χ^2/NDF: 116.8/105

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

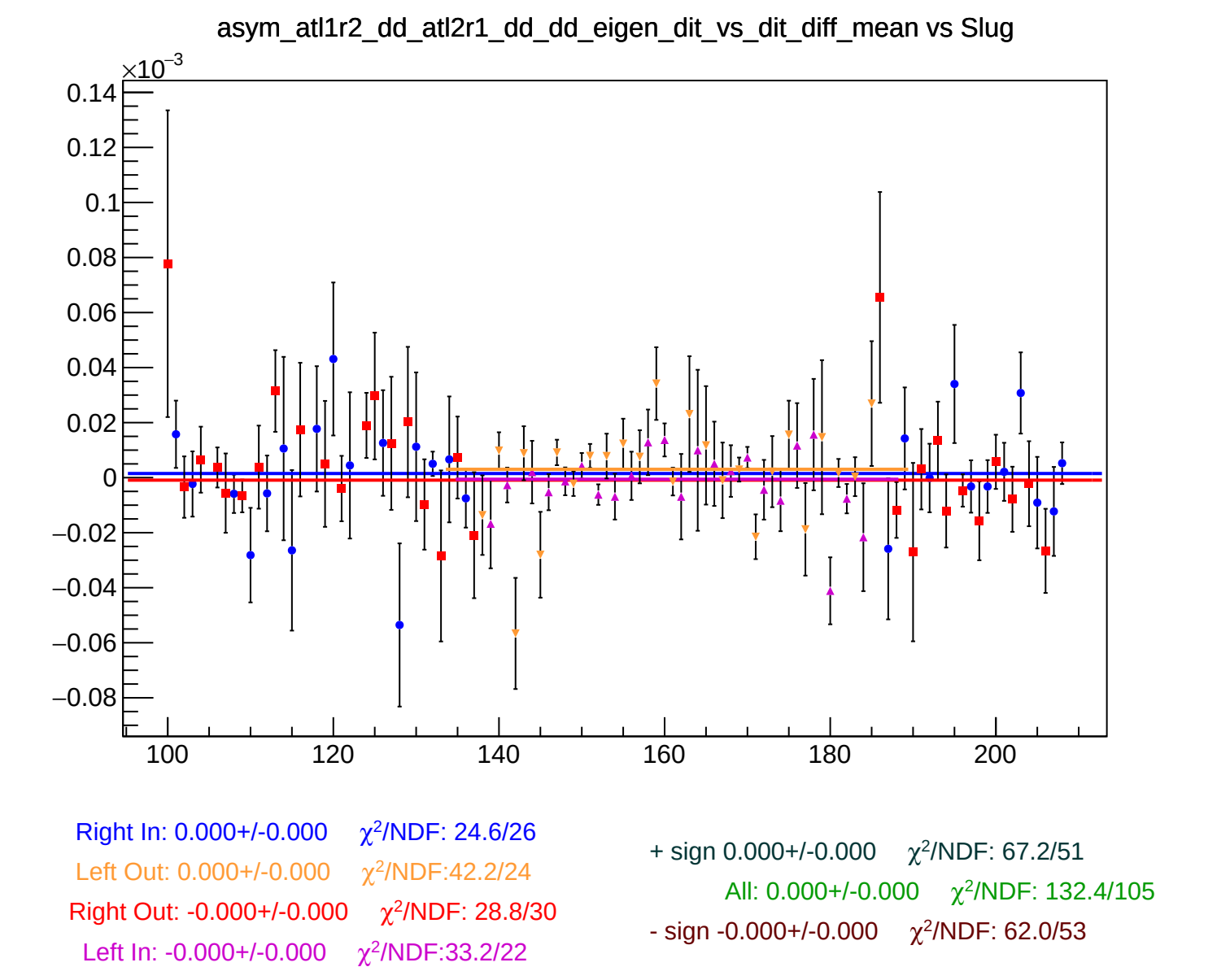
Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

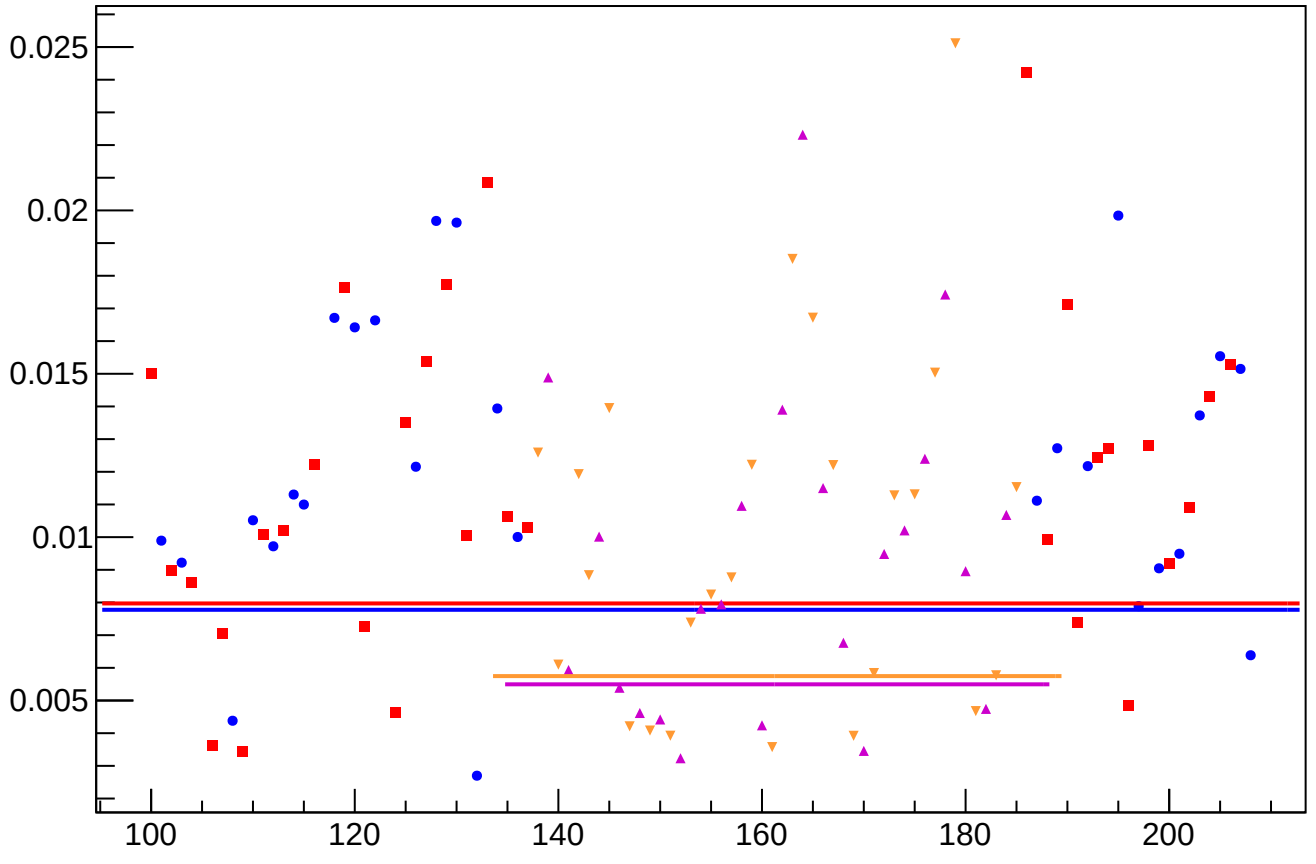
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 191.142+/-0.026 χ^2/NDF: 12013966.7/51

All: 181.483+/-0.017 χ^2/NDF: 26539255.0/10

- sign 172.947+/-0.024 χ^2/NDF: 14255780.1/53


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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 24.6/26
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.8/30
Left In: -0.000+/-0.000 χ²/NDF:33.2/22
+ sign 0.000+/-0.000 χ²/NDF: 67.2/51
All: 0.000+/-0.000 χ²/NDF: 132.4/105
- sign -0.000+/-0.000 χ²/NDF: 62.0/53



Right In: 0.008+/-0.000 χ^2/NDF: 7487309.9/26

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

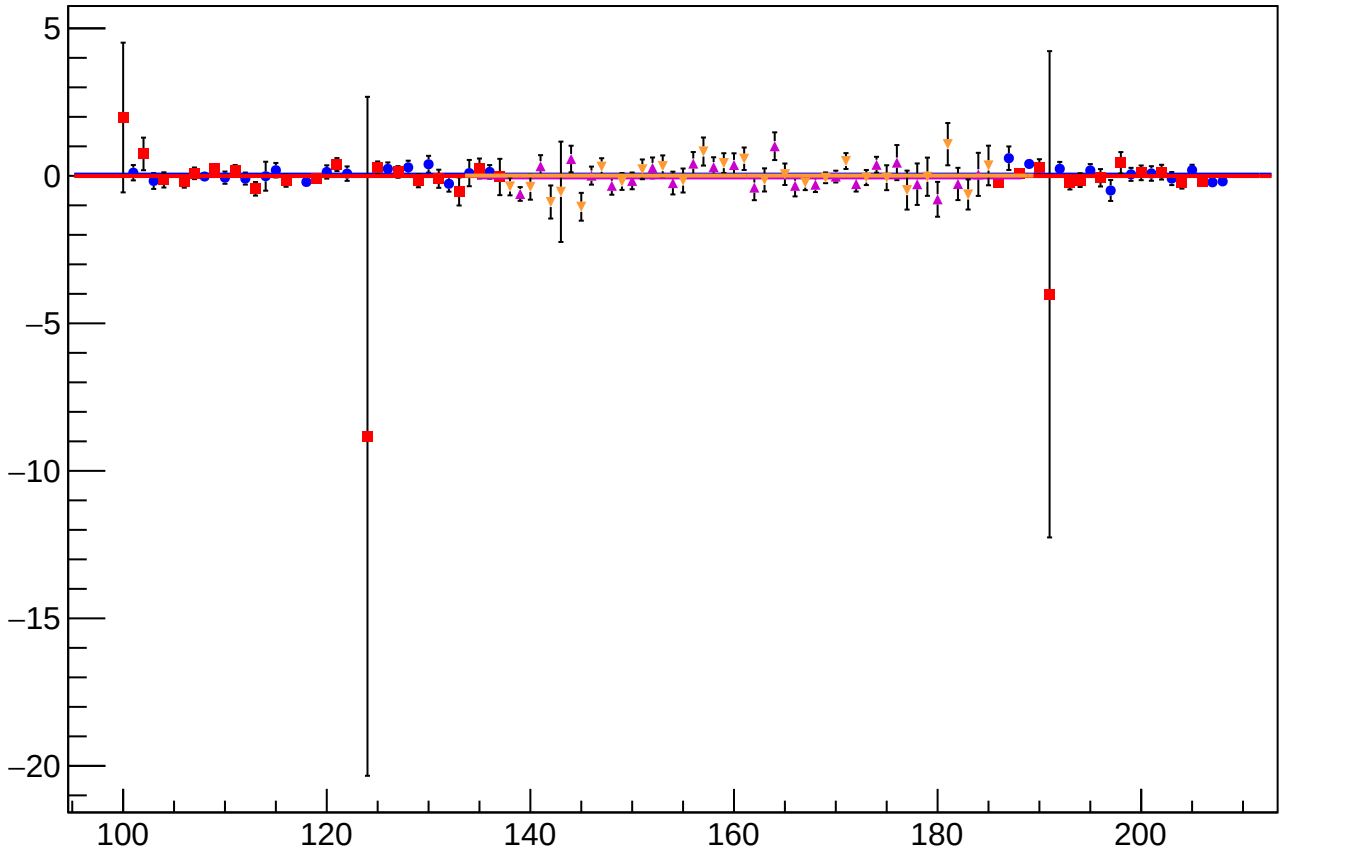
Right Out: 0.008+/-0.000 χ^2/NDF: 6422510.5/30

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 16702957.4/51

All: 0.006+/-0.000 χ^2/NDF: 31728076.9/105

\- sign 0.006+/-0.000 χ^2/NDF: 15018604.9/53



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

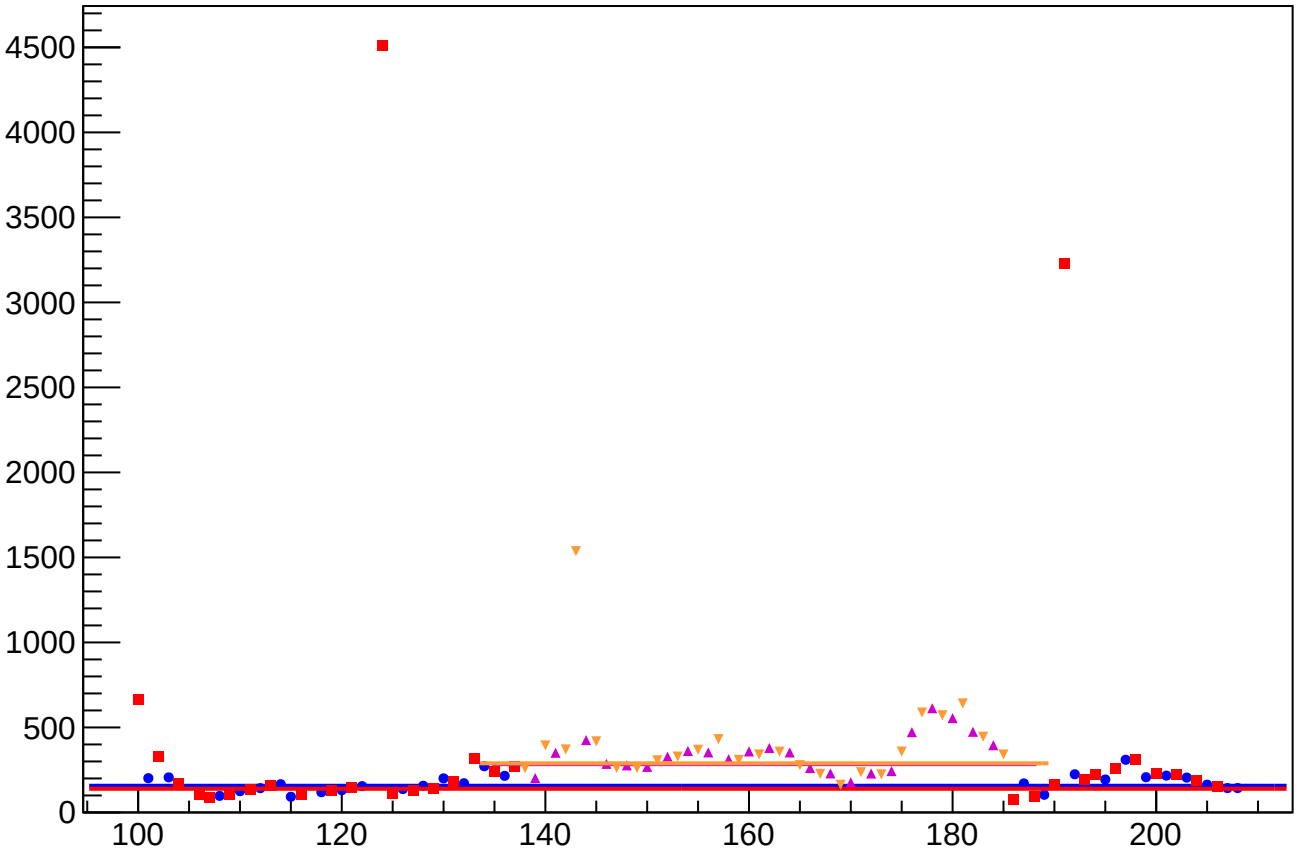
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.006+/-0.025 χ^2/NDF: 116.8/105

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

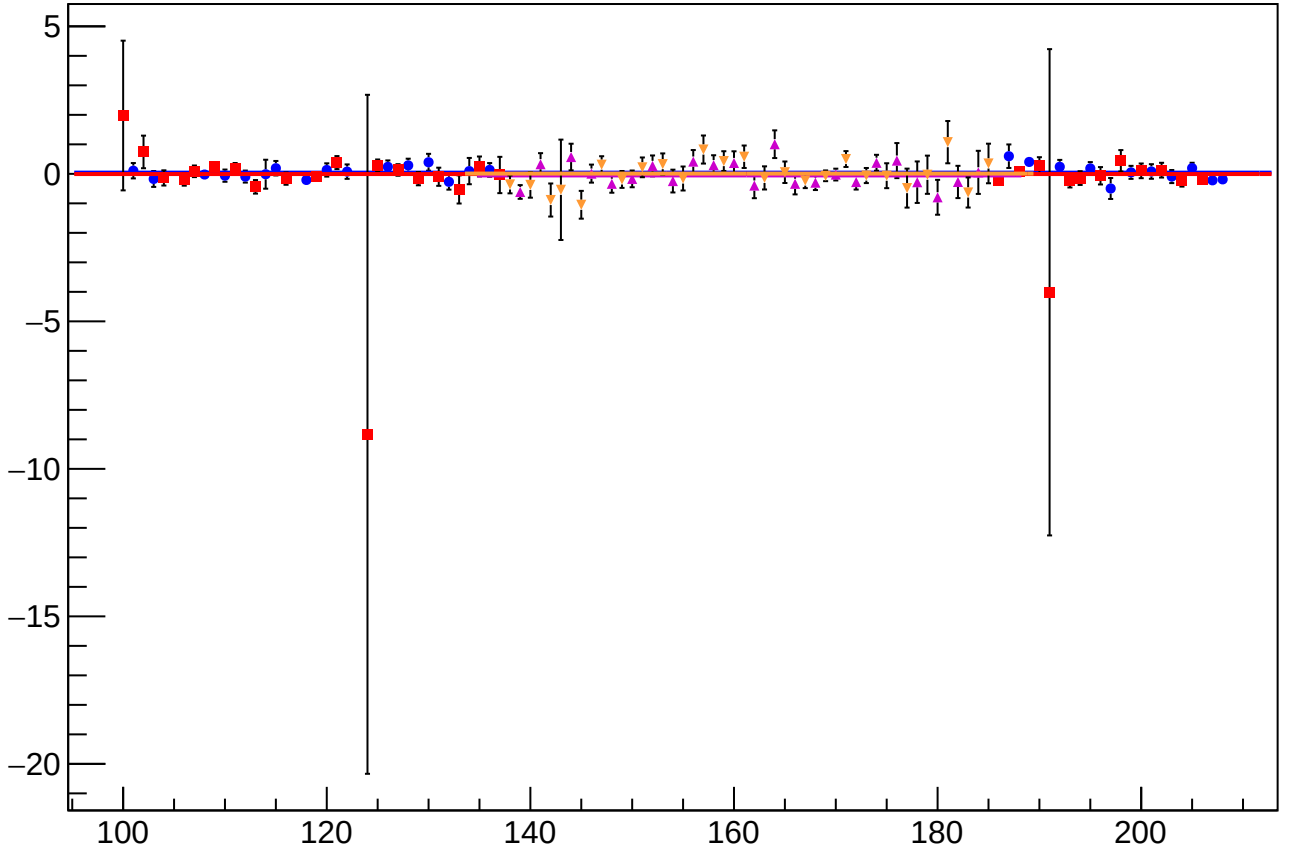
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 191.142+/-0.026 χ^2/NDF: 12014123.2/51

All: 181.485+/-0.017 χ^2/NDF: 26539147.9/10

- sign 172.949+/-0.024 χ^2/NDF: 14255580.6/53

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

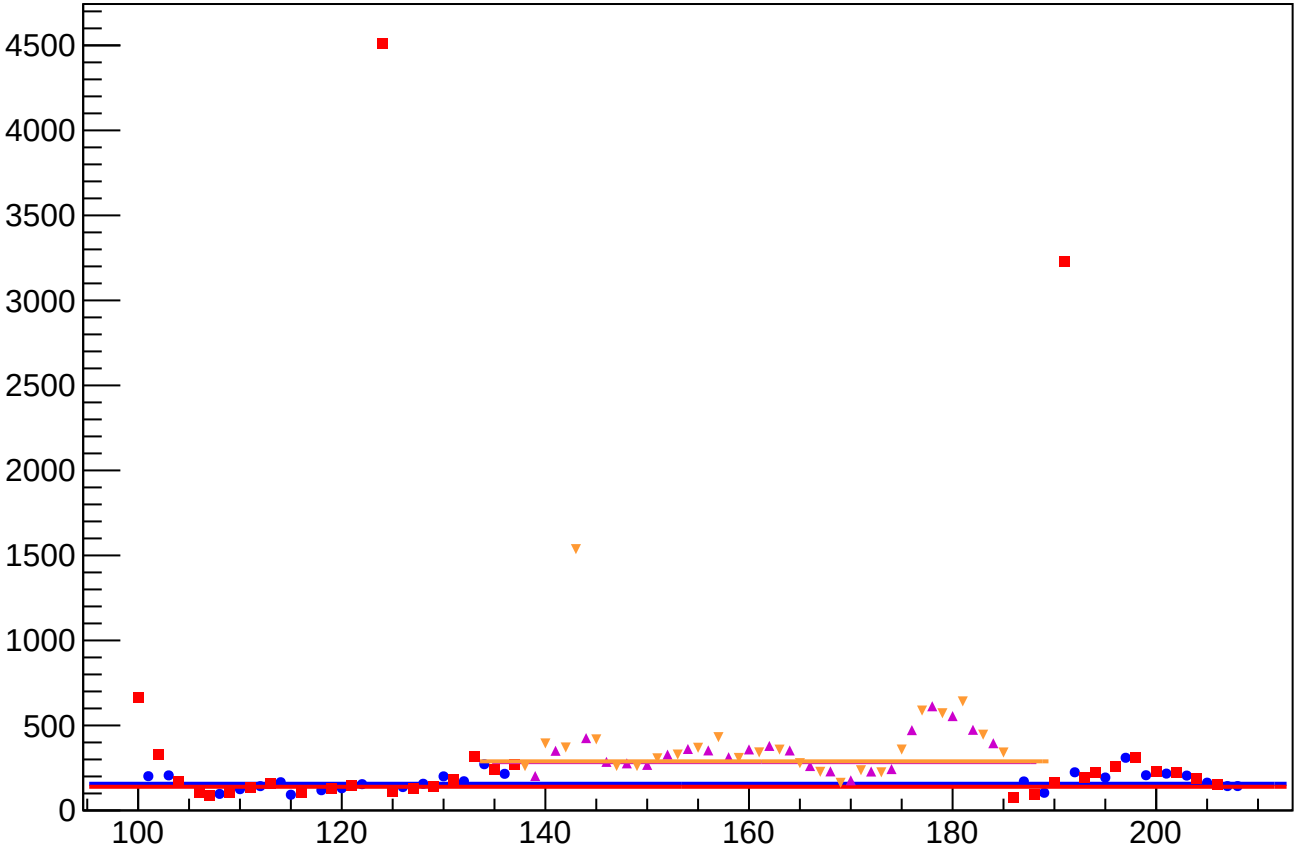
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.006+/-0.025 χ^2/NDF: 116.8/105

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

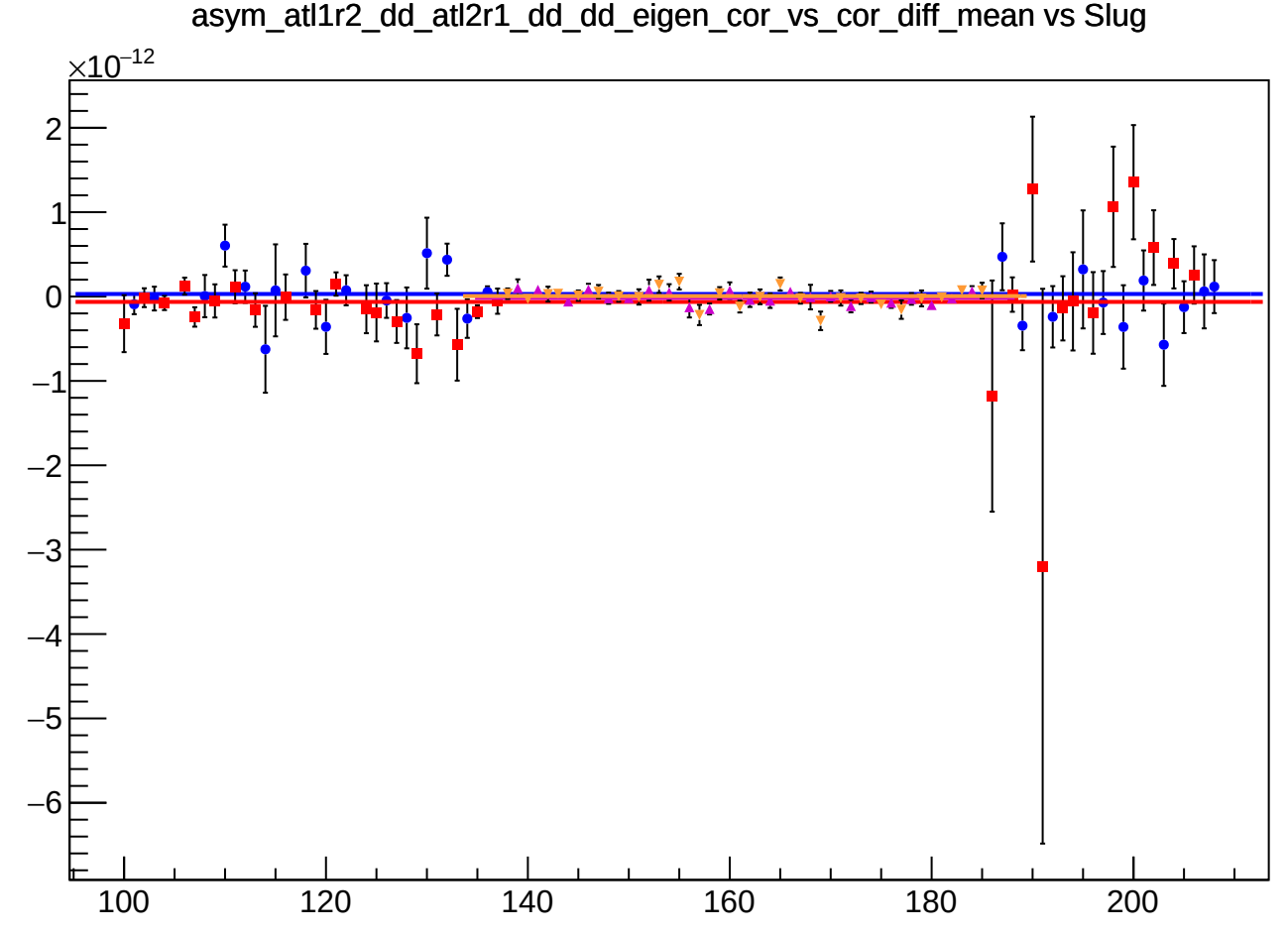
Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 191.142+/-0.026 χ^2/NDF: 12014123.2/51

All: 181.485+/-0.017 χ^2/NDF: 26539147.9/10

- sign 172.949+/-0.024 χ^2/NDF: 14255580.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

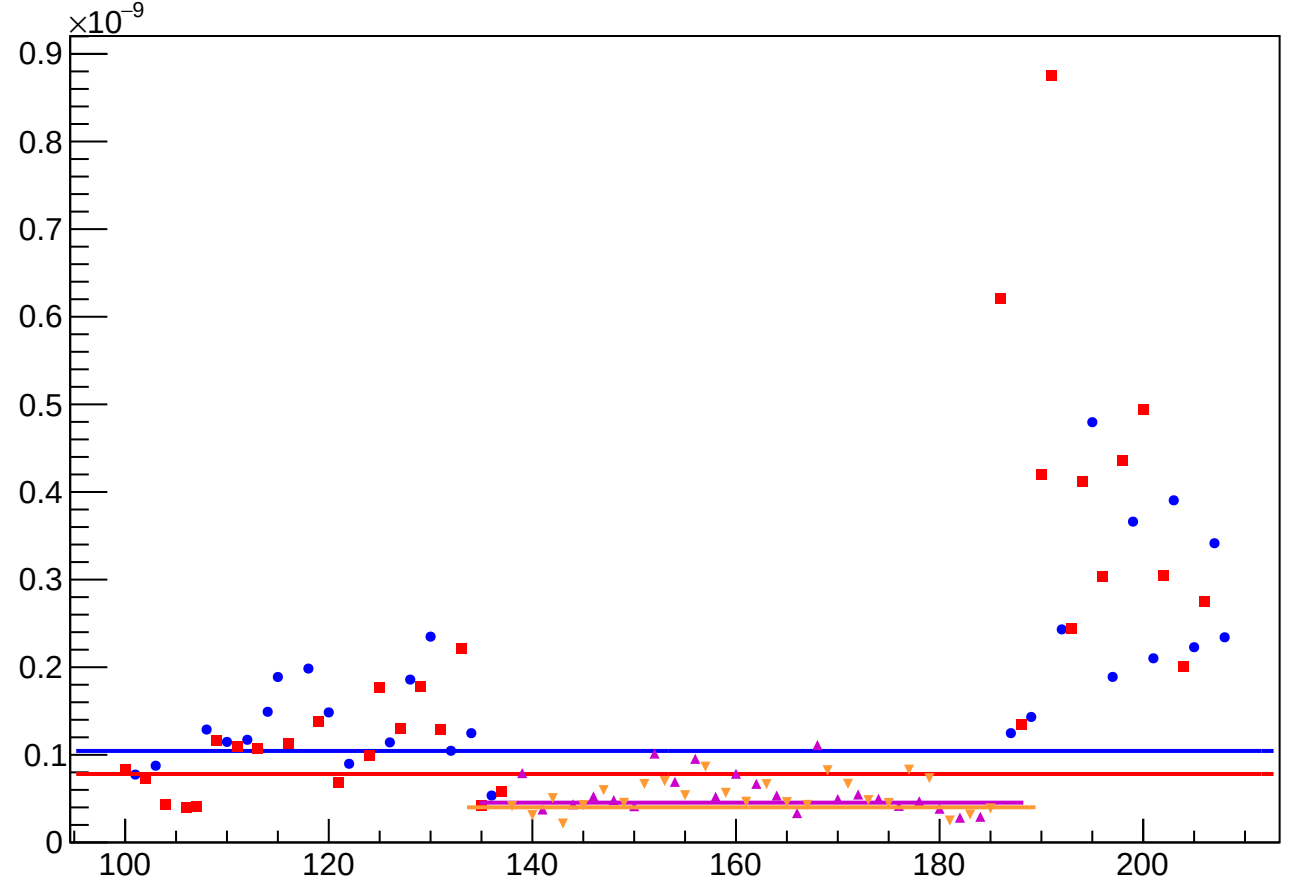
Right Out: -0.000+/-0.000 χ^2/NDF: 35.2/30

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.0/51

All: -0.000+/-0.000 χ^2/NDF: 123.2/105

- sign -0.000+/-0.000 χ^2/NDF: 60.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 5582087.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7622623.9/30

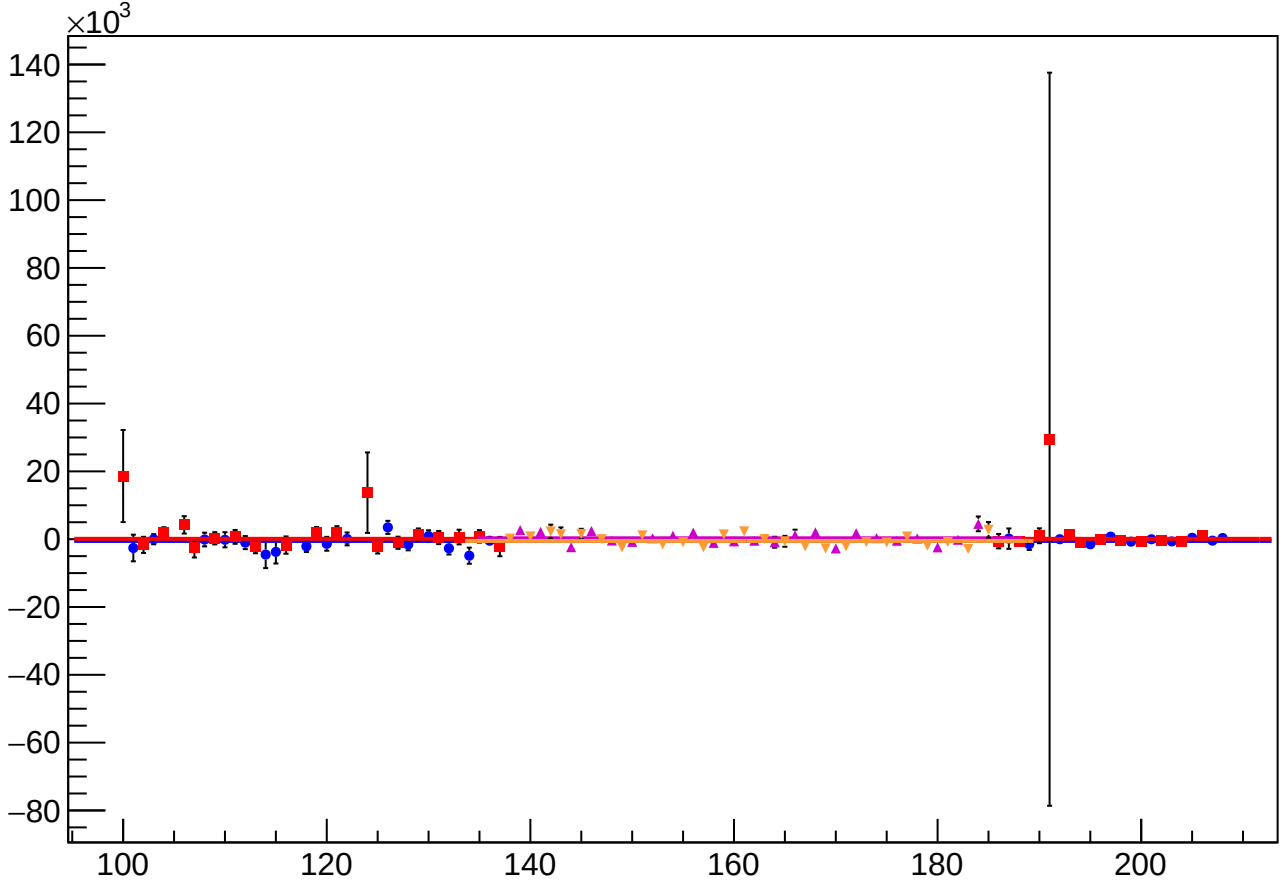
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13918679.3/51

All: 0.000+/-0.000 χ^2/NDF: 26150673.6/105

- sign 0.000+/-0.000 χ^2/NDF: 12090467.6/53

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -507.477+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 106.976+/-322.543 χ^2/NDF: 19.6/30

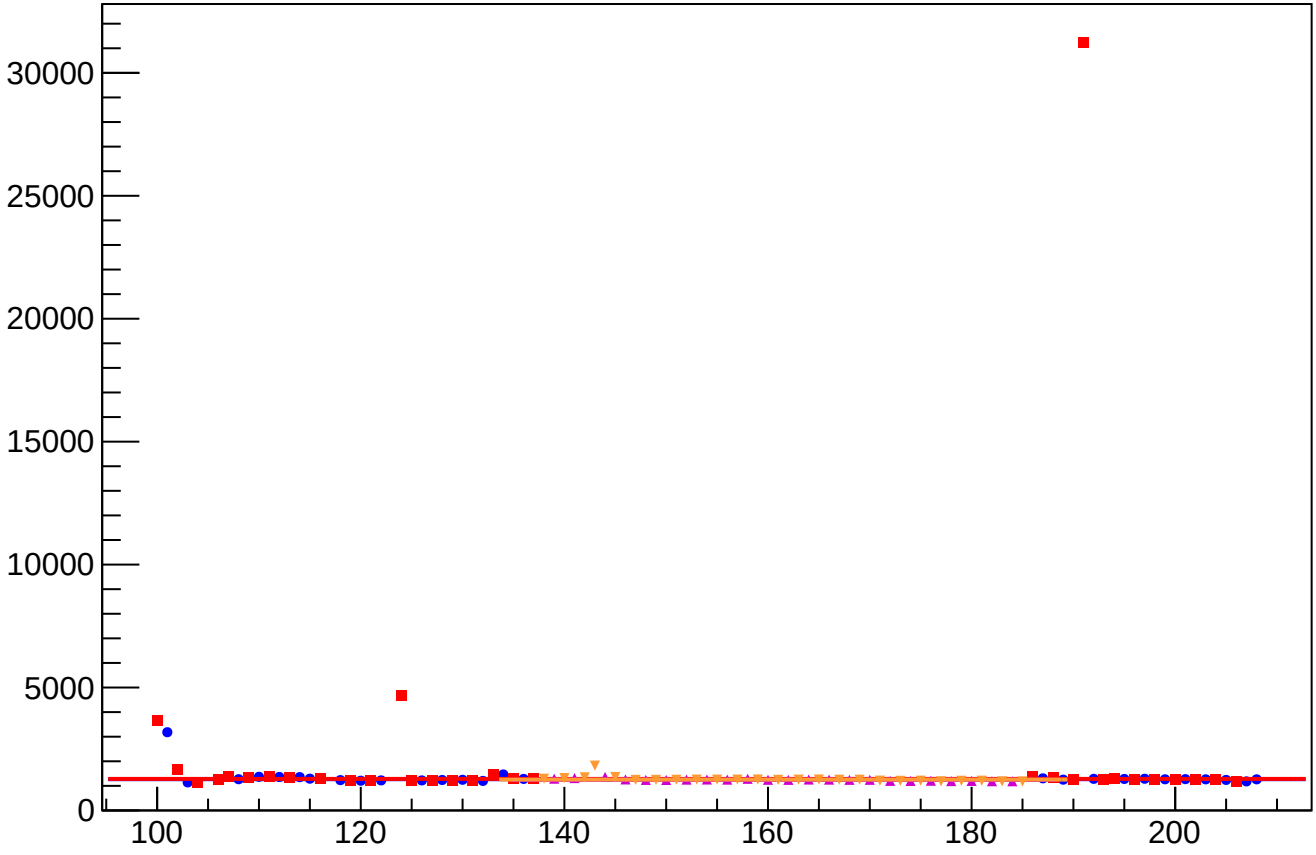
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -511.399+/-213.917 χ^2/NDF: 47.6/51

All: -168.390+/-152.038 χ^2/NDF: 104.5/105

- sign 181.751+/-216.130 χ^2/NDF: 51.8/53

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1271.489+/-0.228 χ^2/NDF: 532300.0/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

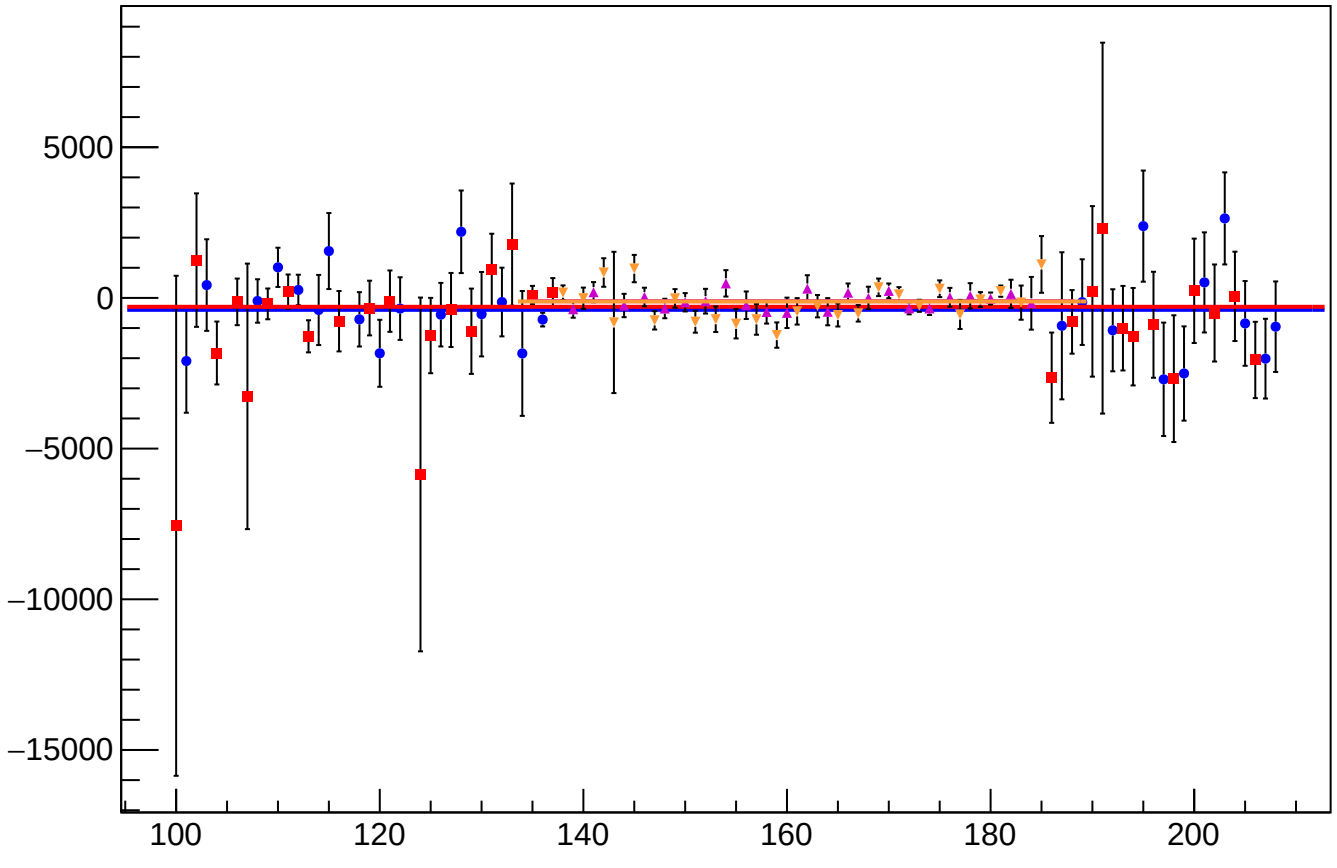
Right Out: 1283.190+/-0.228 χ^2/NDF: 507237.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1262.548+/-0.151 χ^2/NDF: 738172.7/51

All: 1262.719+/-0.108 χ^2/NDF: 1299642.5/10

- sign 1262.894+/-0.153 χ^2/NDF: 561467.2/53



Right In: -394.964+/-158.421 χ^2/NDF: 30.1/26

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -294.835+/-159.092 χ^2/NDF: 22.1/30

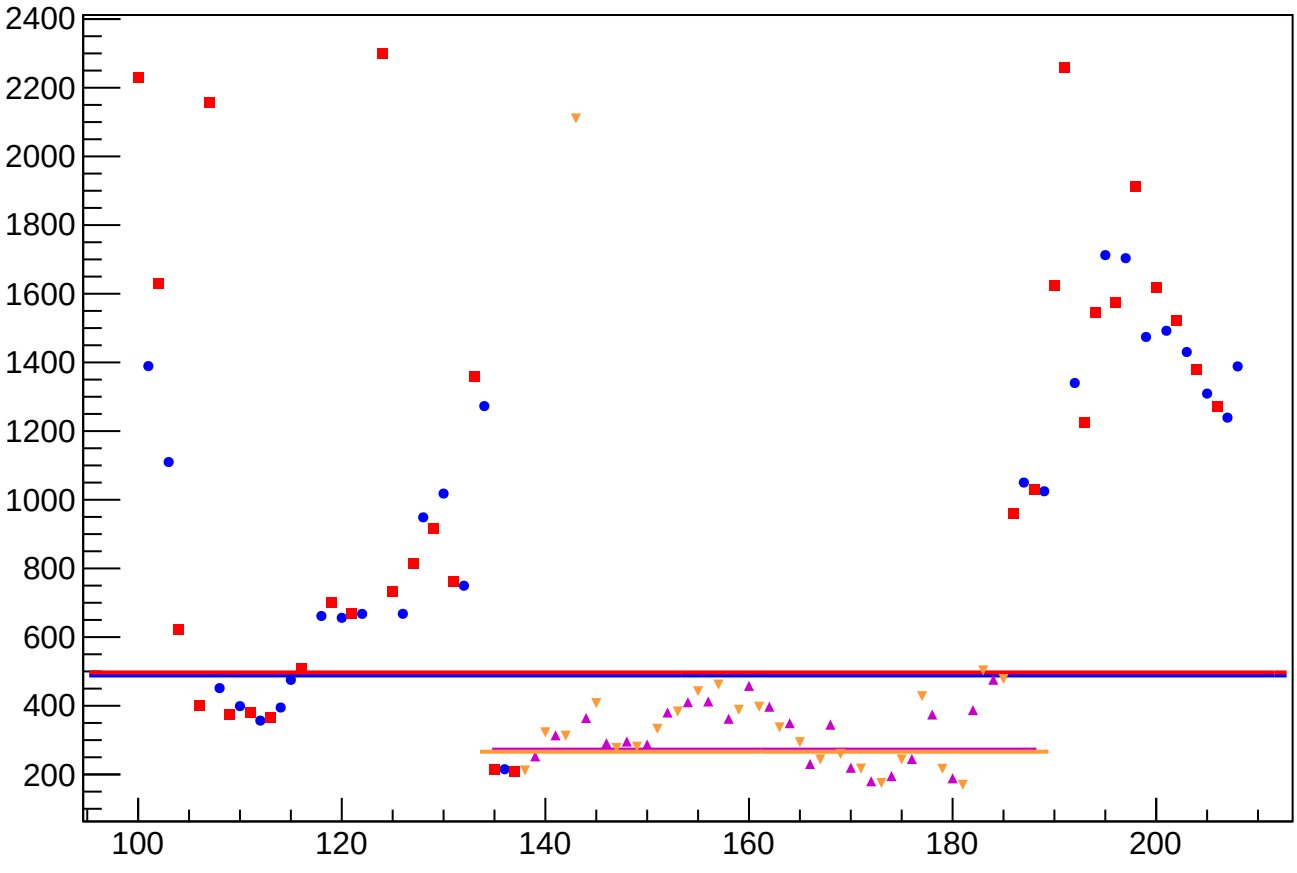
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -157.138+/-60.182 χ^2/NDF: 81.2/51

All: -146.639+/-43.098 χ^2/NDF: 118.2/105

\- sign -135.586+/-61.748 χ^2/NDF: 37.0/53

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



Right In: 488.290+/-0.112 χ^2/NDF: 12288650.2/26

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

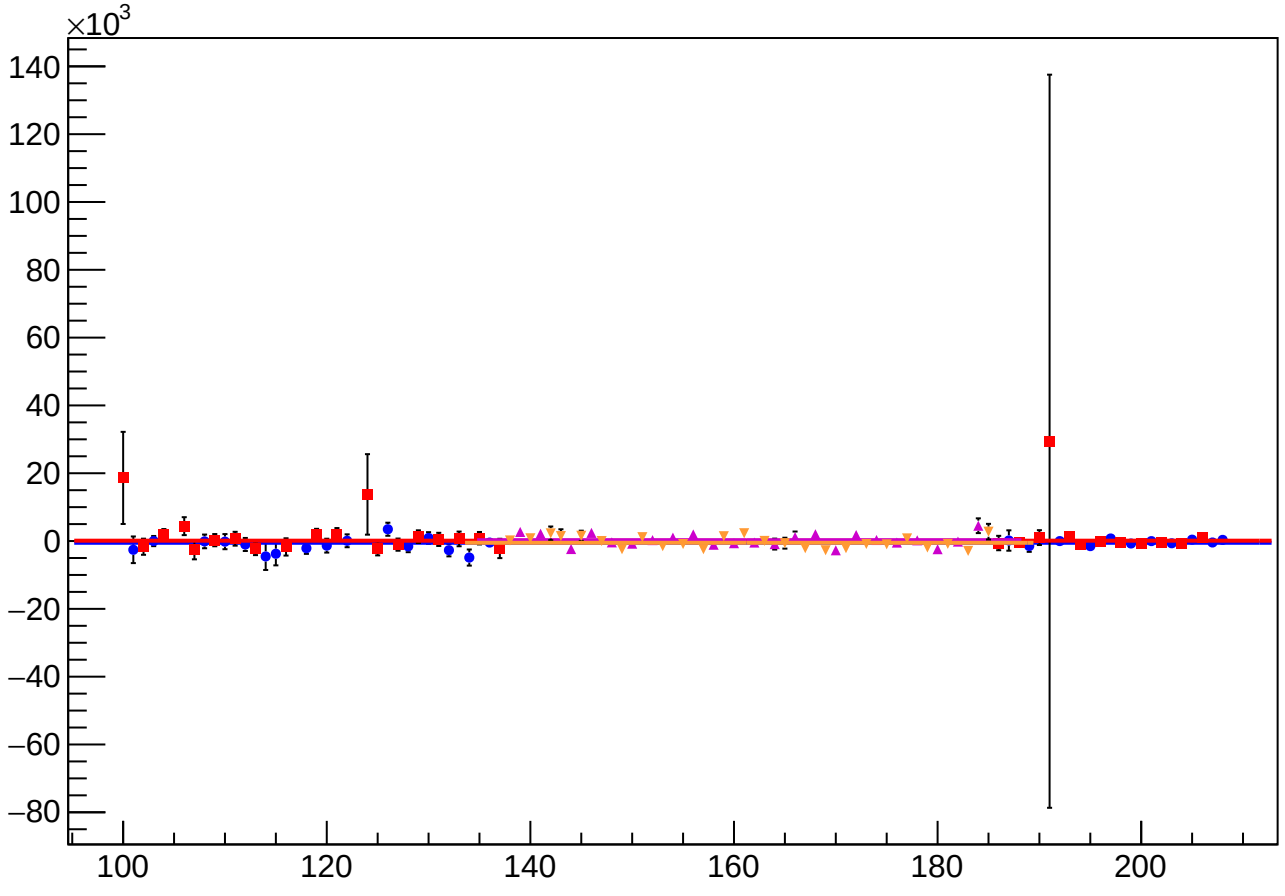
Right Out: 497.098+/-0.112 χ^2/NDF: 12280216.6/30

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 298.354+/-0.043 χ^2/NDF: 20278535.2/51

All: 302.187+/-0.030 χ^2/NDF: 38852812.1/10

- sign 306.222+/-0.044 χ^2/NDF: 18557621.8/53



Right In: -507.337+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 105.587+/-322.696 χ^2/NDF: 19.7/30

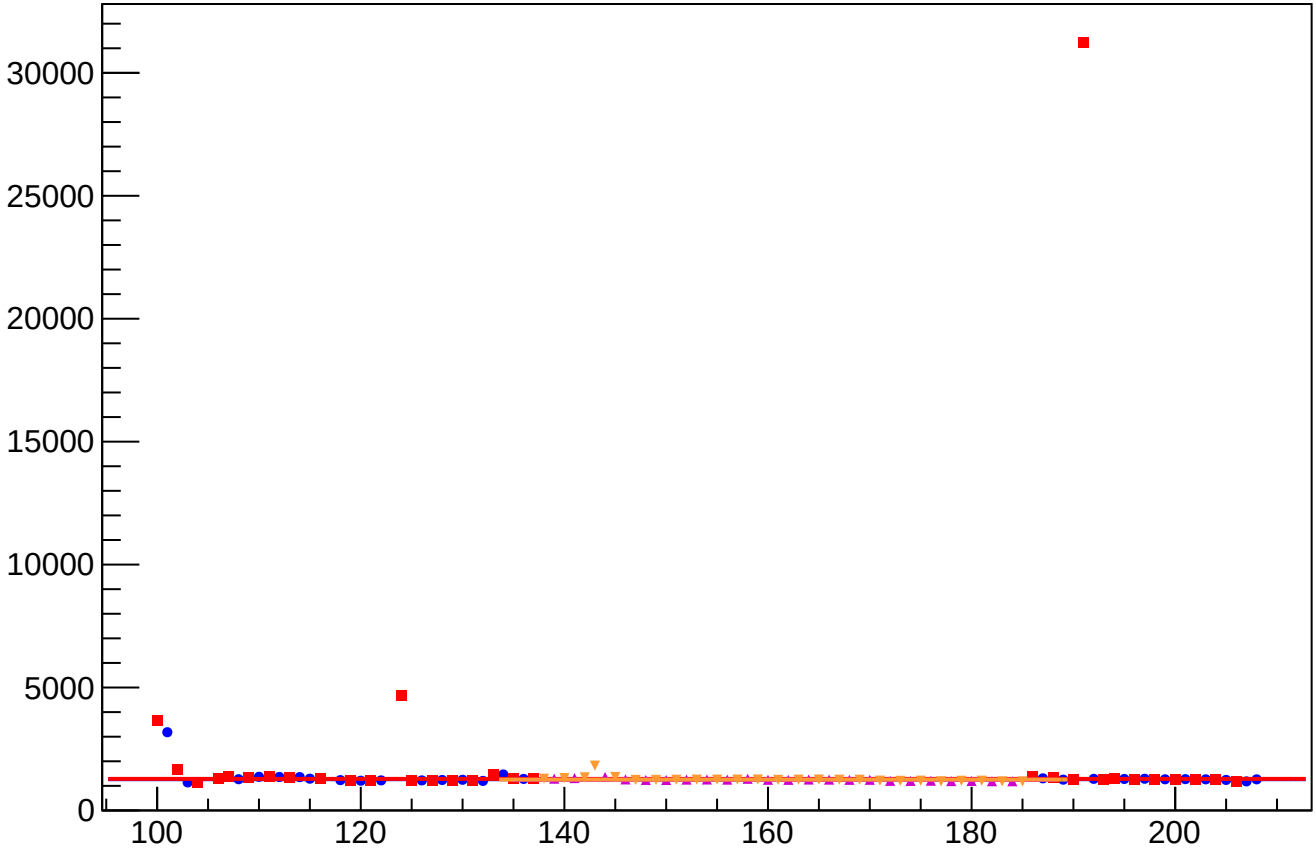
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -511.307+/-213.917 χ^2/NDF: 47.6/51

All: -168.716+/-152.054 χ^2/NDF: 104.6/105

- sign 181.147+/-216.176 χ^2/NDF: 51.8/53

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1271.489+/-0.228 χ^2/NDF: 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

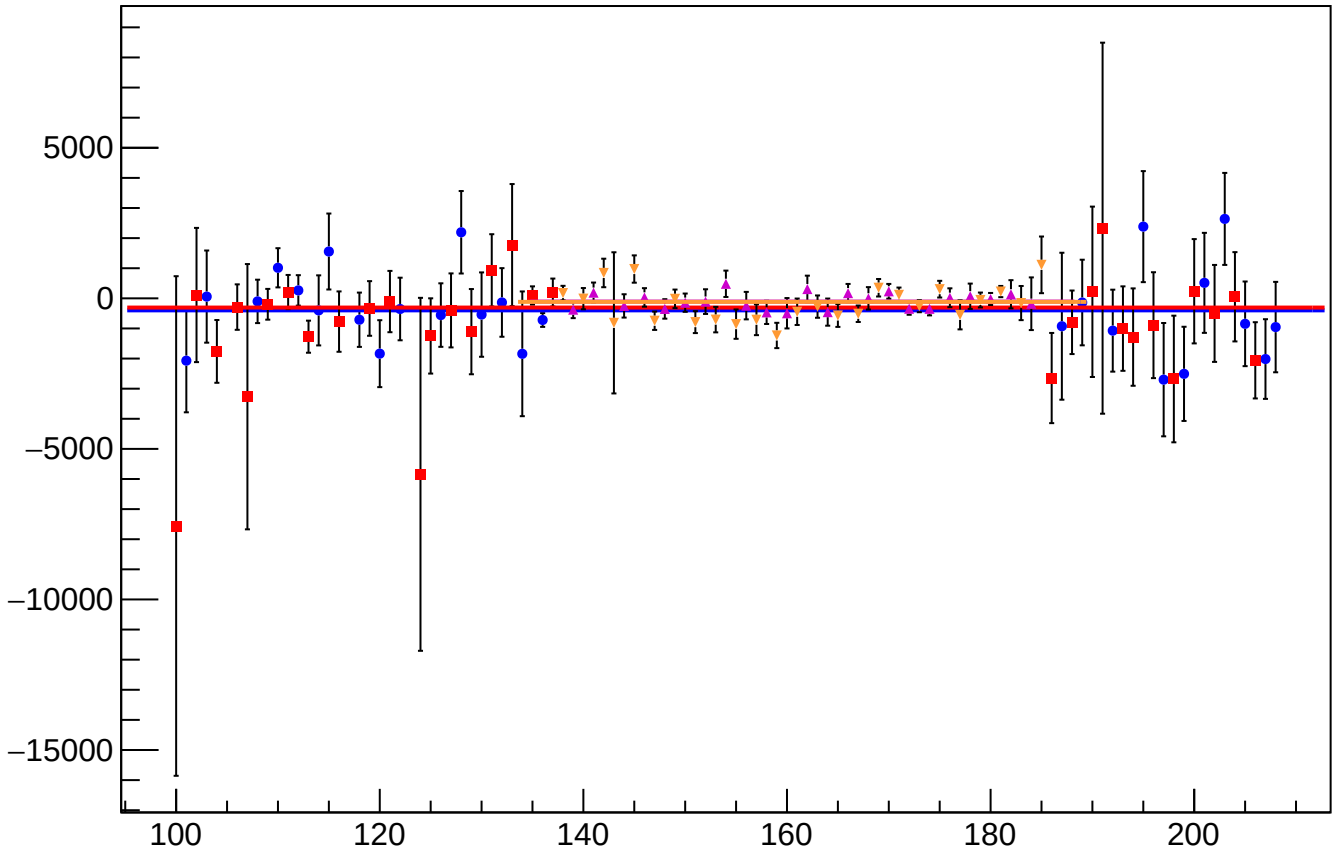
Right Out: 1283.817+/-0.228 χ^2/NDF: 507229.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1262.548+/-0.151 χ^2/NDF: 738174.0/51

All: 1262.854+/-0.108 χ^2/NDF: 1300127.0/10

- sign 1263.166+/-0.153 χ^2/NDF: 561944.7/53



Right In: -398.922+/-158.437 χ^2/NDF: 29.9/26

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

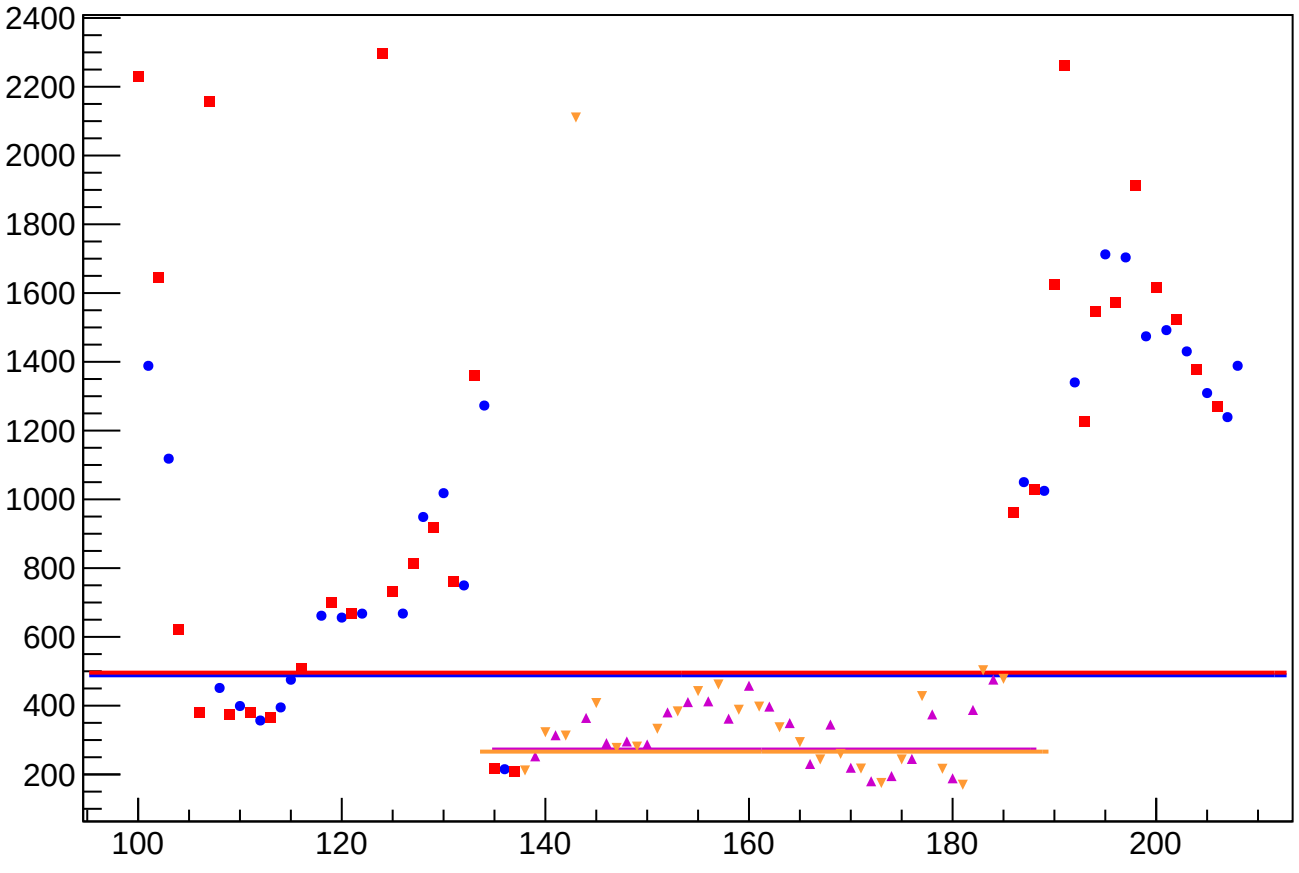
Right Out: -306.237+/-158.929 χ^2/NDF: 21.4/30

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -157.681+/-60.184 χ^2/NDF: 81.0/51

All: -147.827+/-43.096 χ^2/NDF: 117.5/105

- sign -137.458+/-61.740 χ^2/NDF: 36.4/53



Right In: 488.306+/-0.112 χ^2/NDF: 12291734.8/26

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

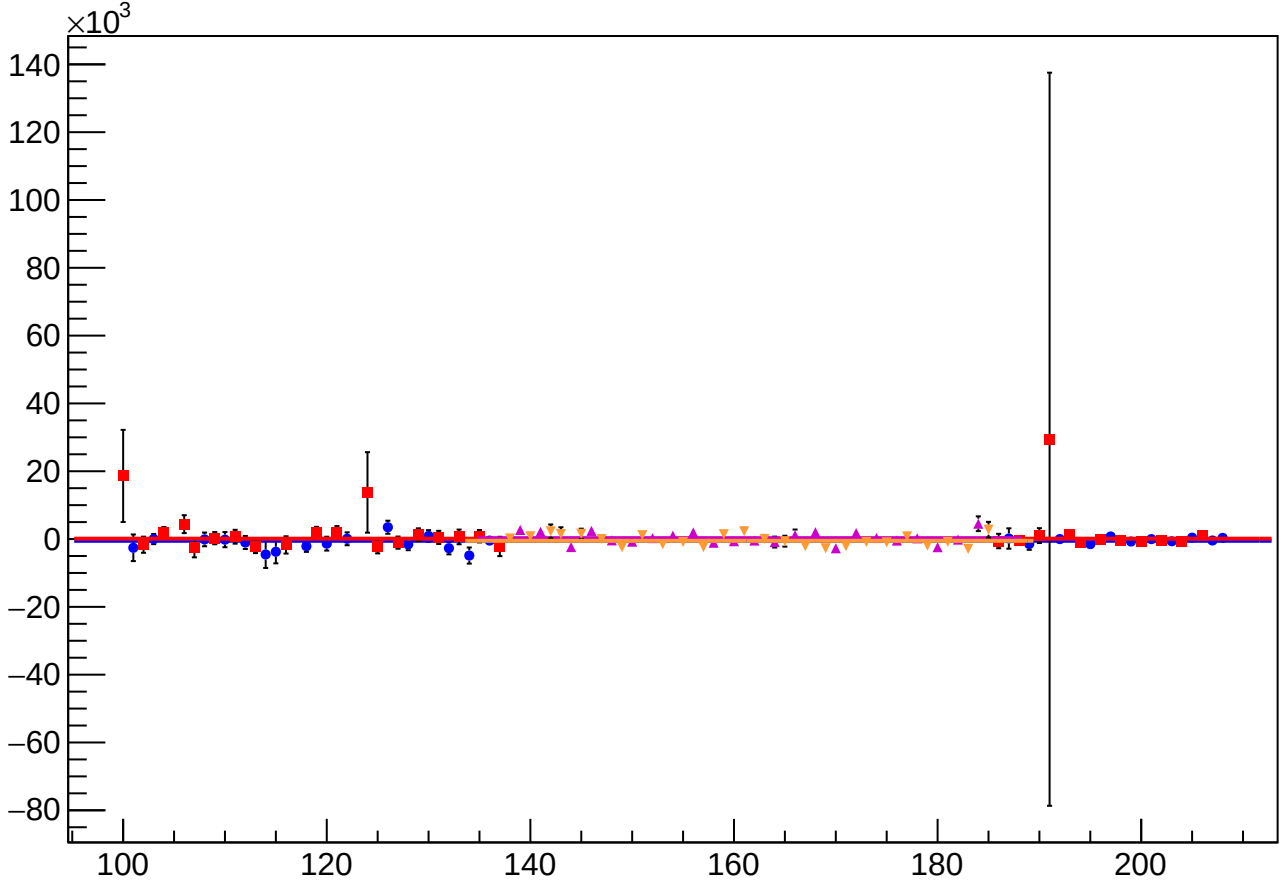
Right Out: 496.037+/-0.112 χ^2/NDF: 12302824.5/30

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 298.356+/-0.043 χ^2/NDF: 20281333.5/51

All: 302.144+/-0.030 χ^2/NDF: 38851218.9/10

- sign 306.131+/-0.044 χ^2/NDF: 18553622.3/53



Right In: -507.337+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 105.587+/-322.696 χ^2/NDF: 19.7/30

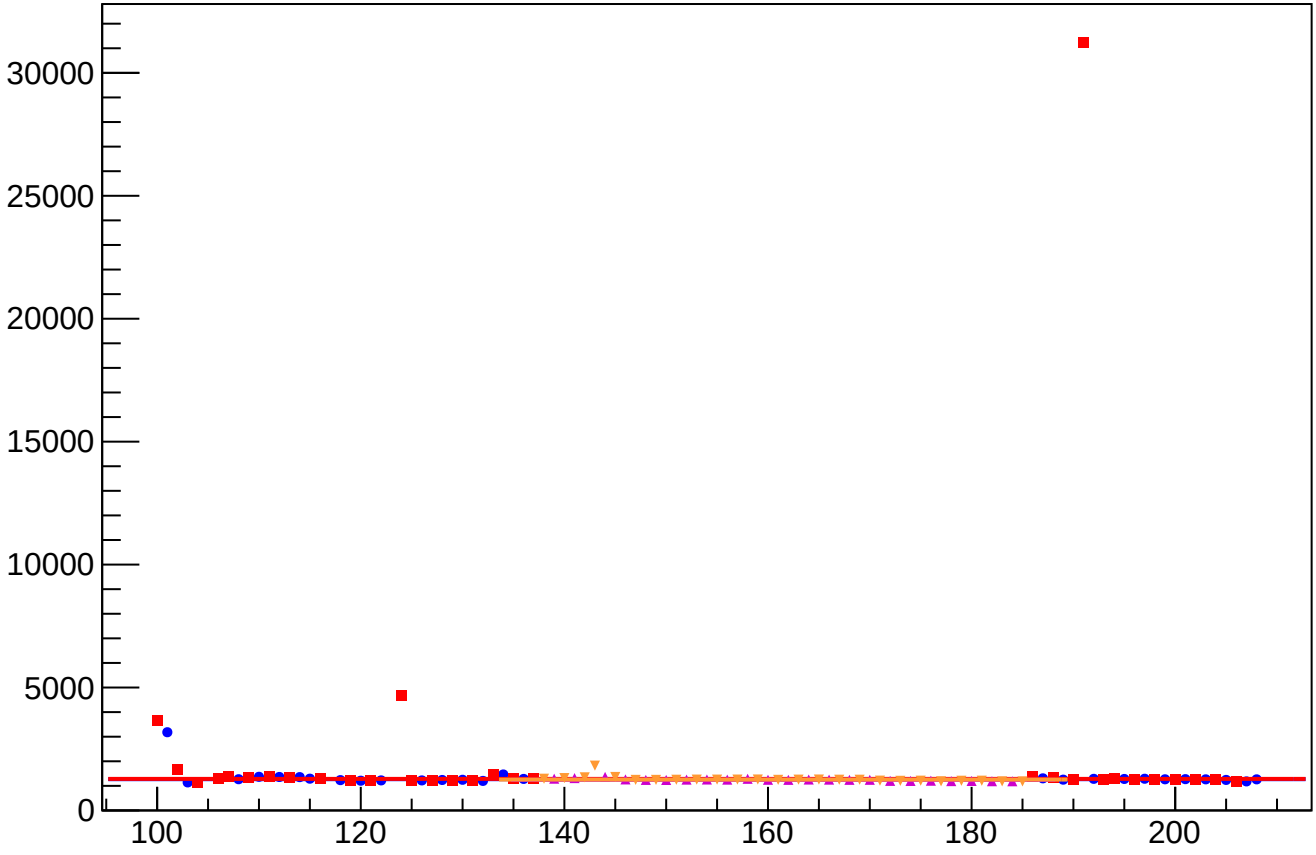
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -511.307+/-213.917 χ^2/NDF: 47.6/51

All: -168.716+/-152.054 χ^2/NDF: 104.6/105

- sign 181.147+/-216.176 χ^2/NDF: 51.8/53

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1271.489+/-0.228 χ^2/NDF: 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

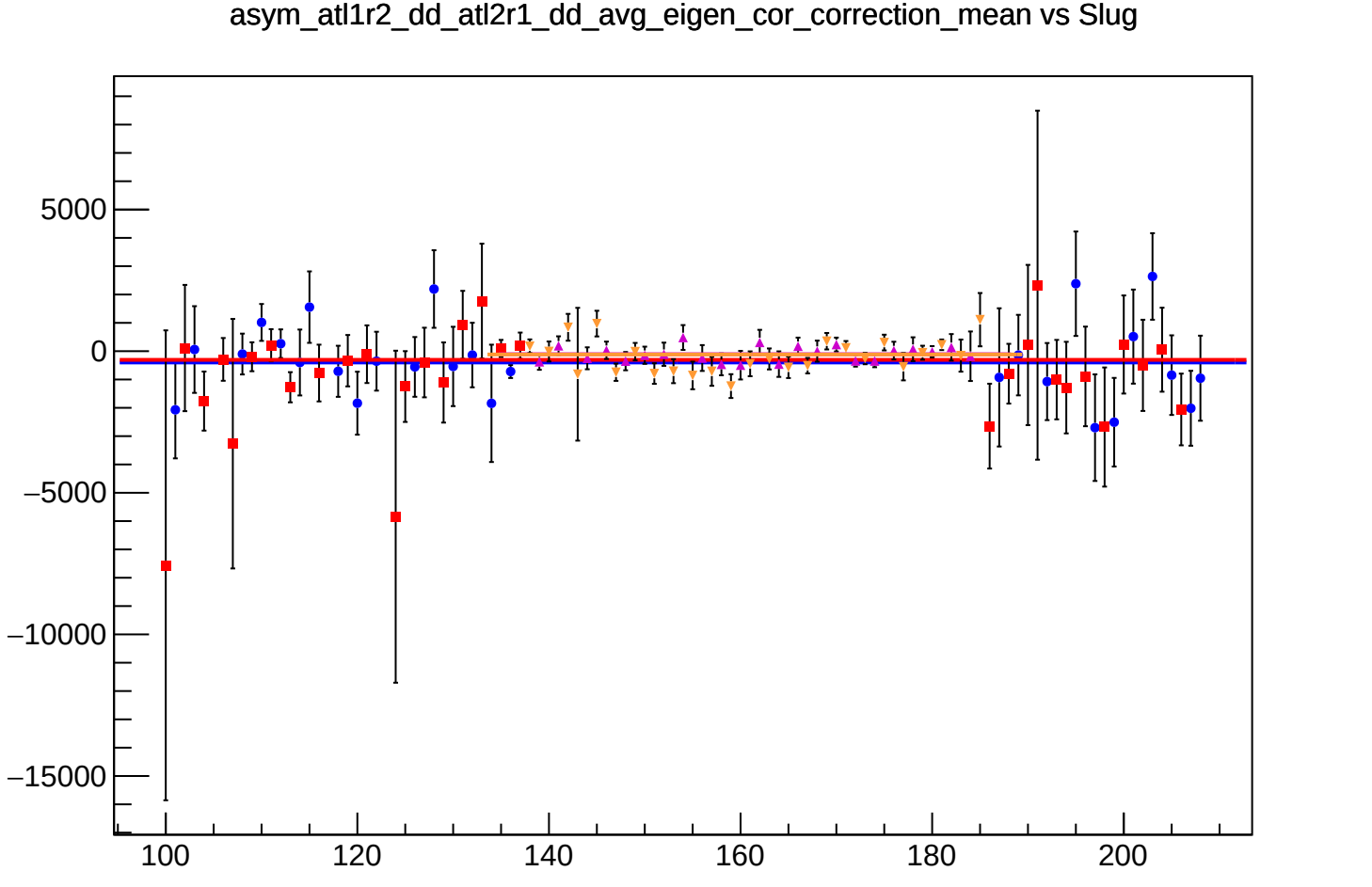
Right Out: 1283.817+/-0.228 χ^2/NDF: 507229.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1262.548+/-0.151 χ^2/NDF: 738174.0/51

All: 1262.854+/-0.108 χ^2/NDF: 1300127.0/10

- sign 1263.166+/-0.153 χ^2/NDF: 561944.7/53



Right In: -398.922+/-158.437 χ^2/NDF: 29.9/26

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

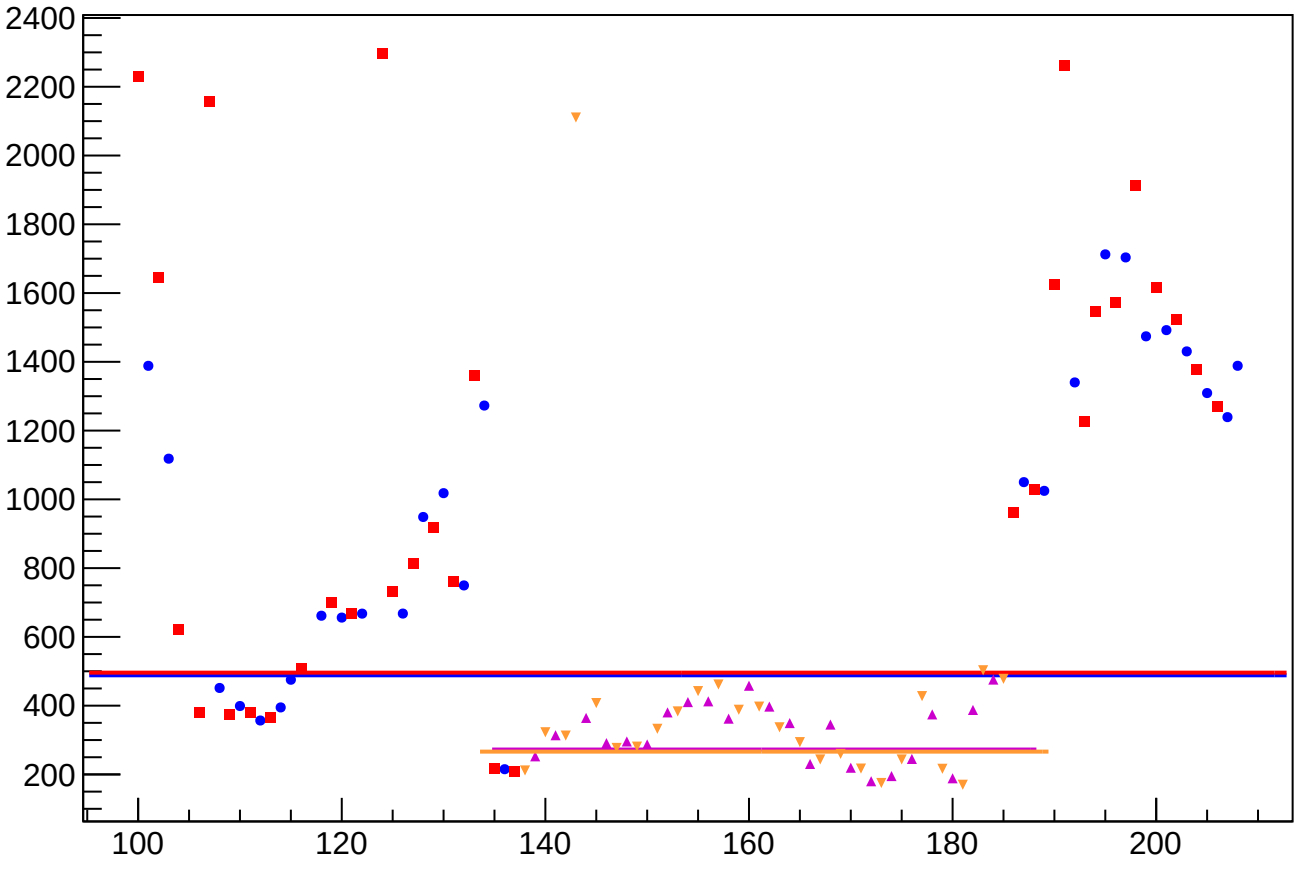
Right Out: -306.237+/-158.929 χ^2/NDF: 21.4/30

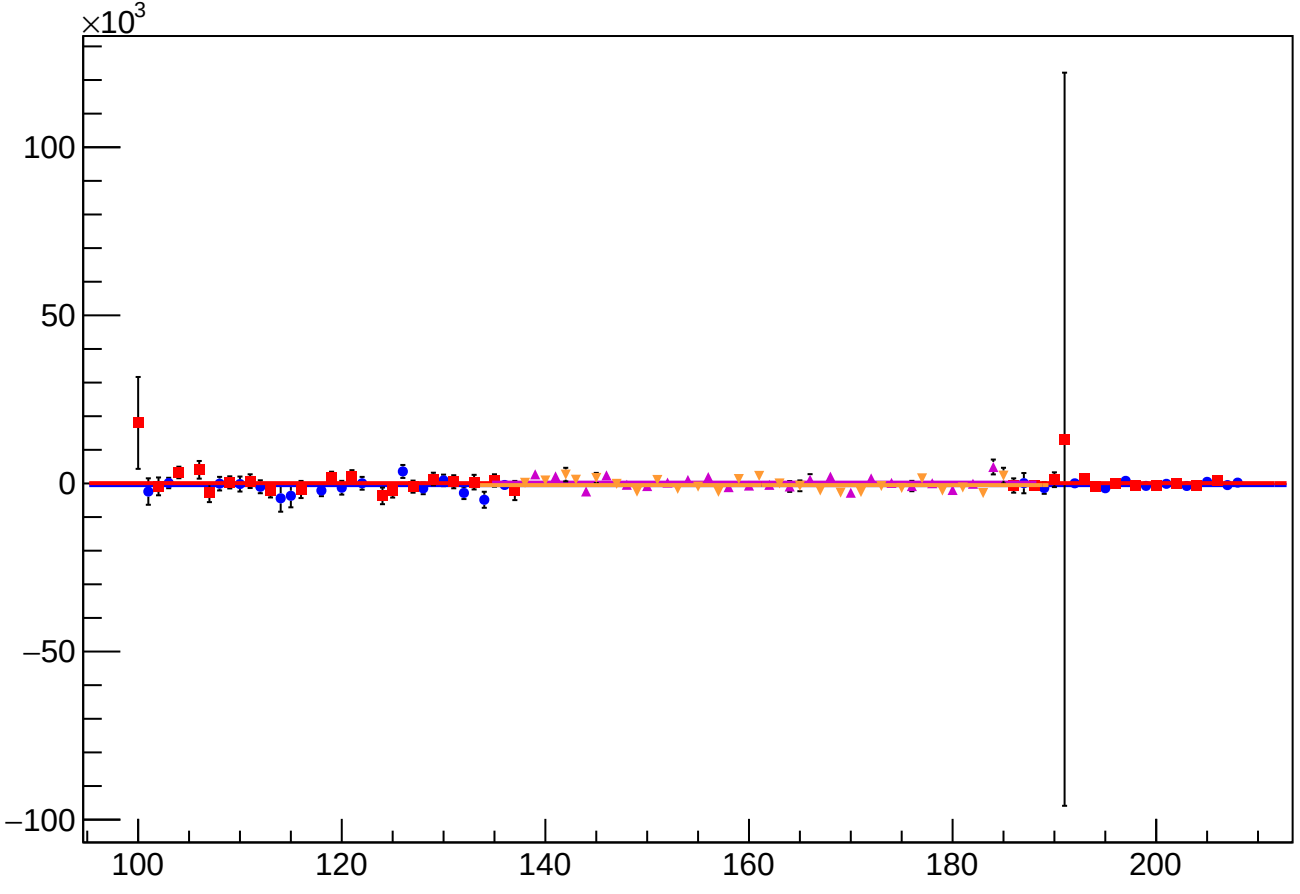
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -157.681+/-60.184 χ^2/NDF: 81.0/51

All: -147.827+/-43.096 χ^2/NDF: 117.5/105

- sign -137.458+/-61.740 χ^2/NDF: 36.4/53


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 488.306+/-0.112 χ²/NDF: 12291734.8/26
Left Out: 266.326+/-0.046 χ²/NDF:4630167.4/24
Right Out: 496.037+/-0.112 χ²/NDF: 12302824.5/30
Left In: 272.378+/-0.047 χ²/NDF:2887597.1/22
+ sign 298.356+/-0.043 χ²/NDF: 20281333.5/51
All: 302.144+/-0.030 χ²/NDF: 38851218.9/10
- sign 306.131+/-0.044 χ²/NDF: 18553622.3/53



Right In: -501.118+/-323.350 χ^2/NDF: 16.6/26

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 91.096+/-321.978 χ^2/NDF: 21.3/30

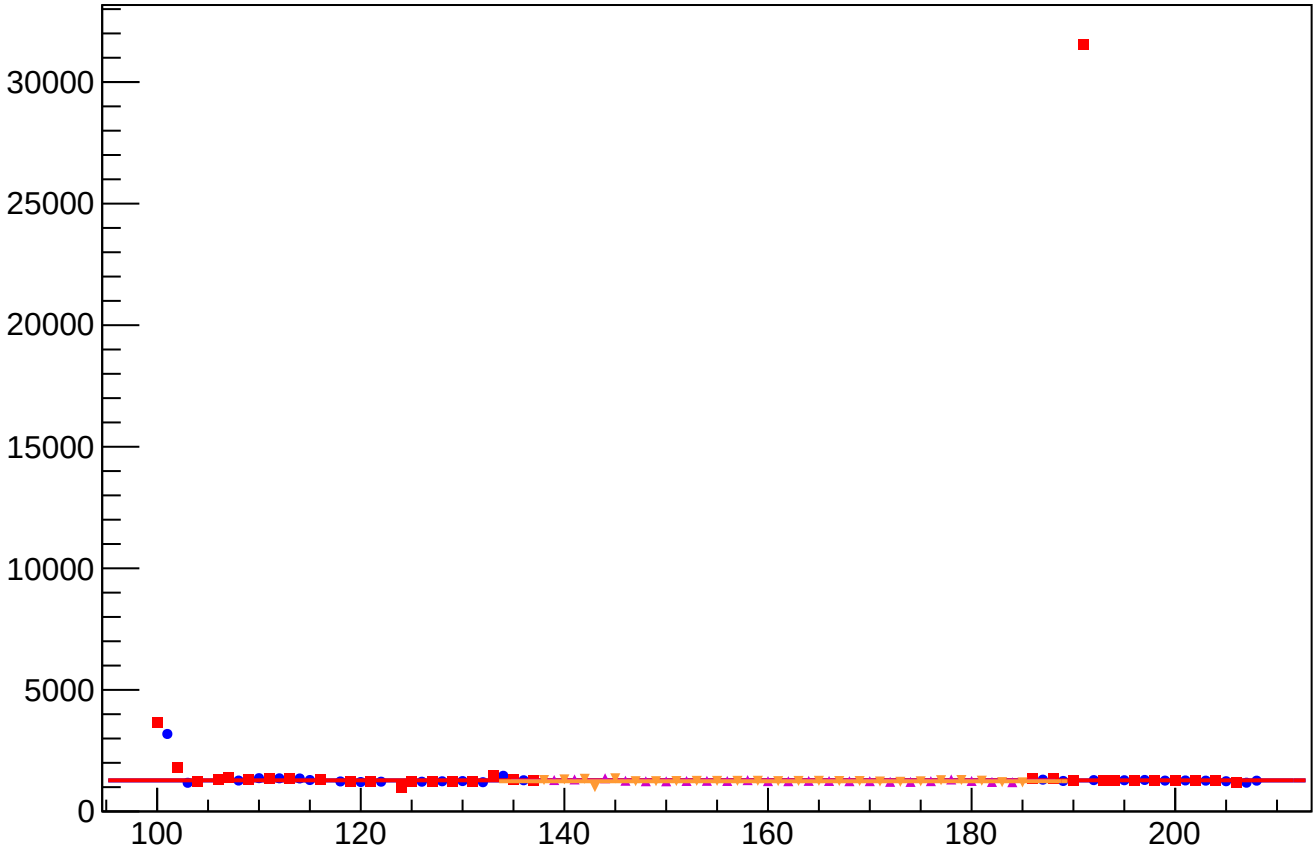
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -496.764+/-212.843 χ^2/NDF: 50.8/51

All: -168.587+/-152.035 χ^2/NDF: 107.8/105

- sign 173.304+/-217.244 χ^2/NDF: 52.1/53

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1275.447+/-0.229 χ^2/NDF: 525053.6/26

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

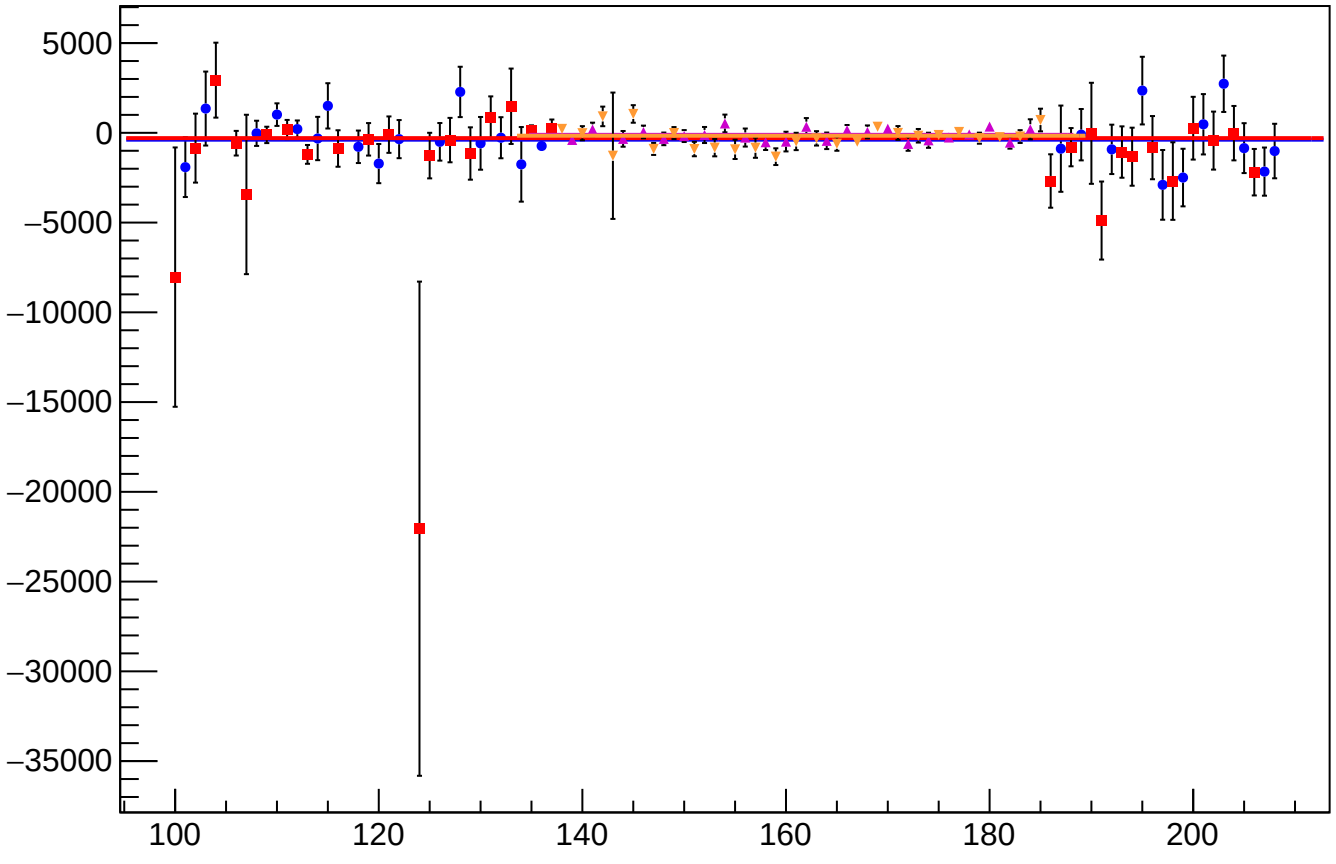
Right Out: 1281.036+/-0.228 χ^2/NDF: 387538.7/30

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1256.798+/-0.151 χ^2/NDF: 666815.8/51

All: 1263.081+/-0.108 χ^2/NDF: 1090454.8/10

- sign 1269.627+/-0.154 χ^2/NDF: 420079.8/53



Right In: -381.169+/-160.116 χ^2/NDF: 30.5/26

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

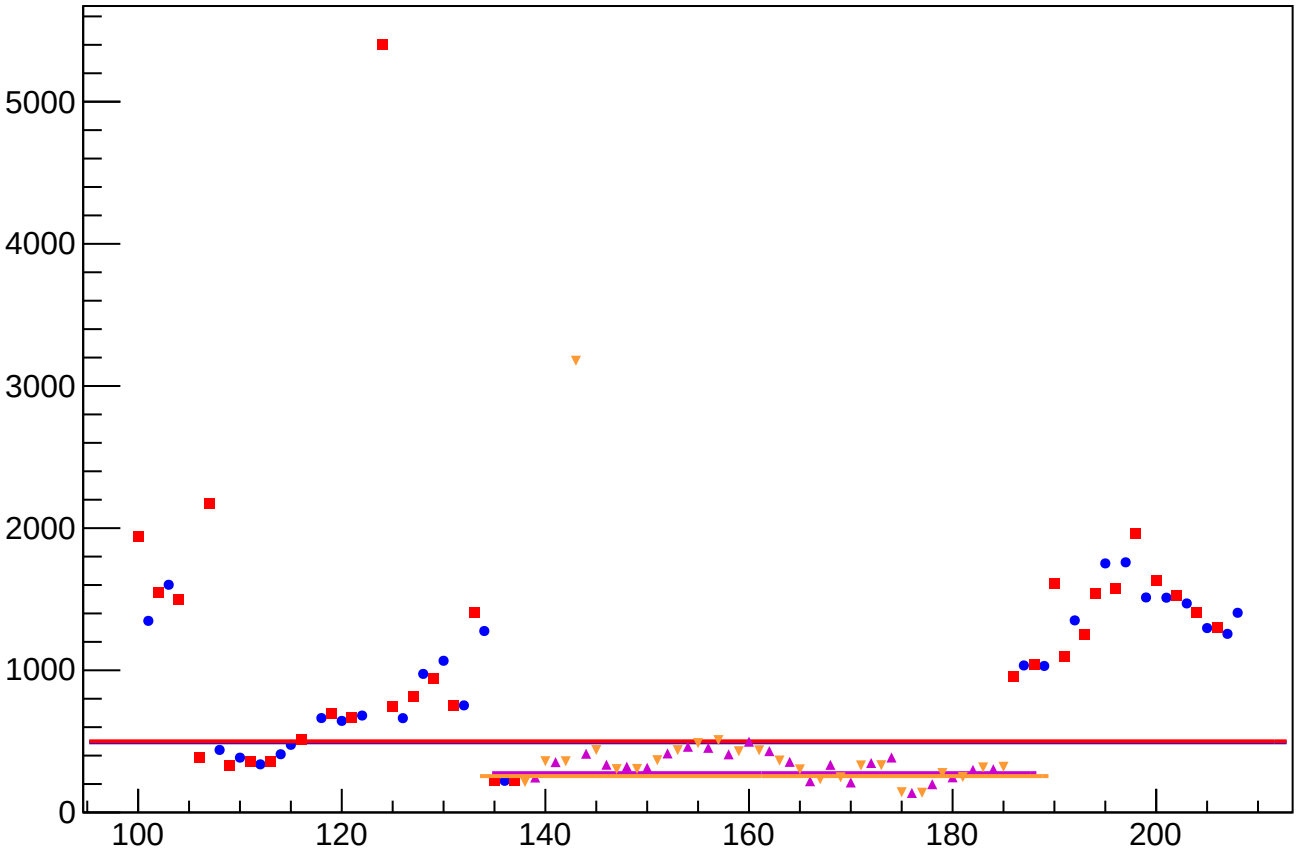
Right Out: -296.054+/-158.992 χ^2/NDF: 28.1/30

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -191.378+/-59.535 χ^2/NDF: 75.8/51

All: -168.391+/-43.327 χ^2/NDF: 123.5/105

- sign -142.507+/-63.173 χ^2/NDF: 47.4/53



Right In: 493.620+/-0.113 χ^2/NDF: 12440299.7/26

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

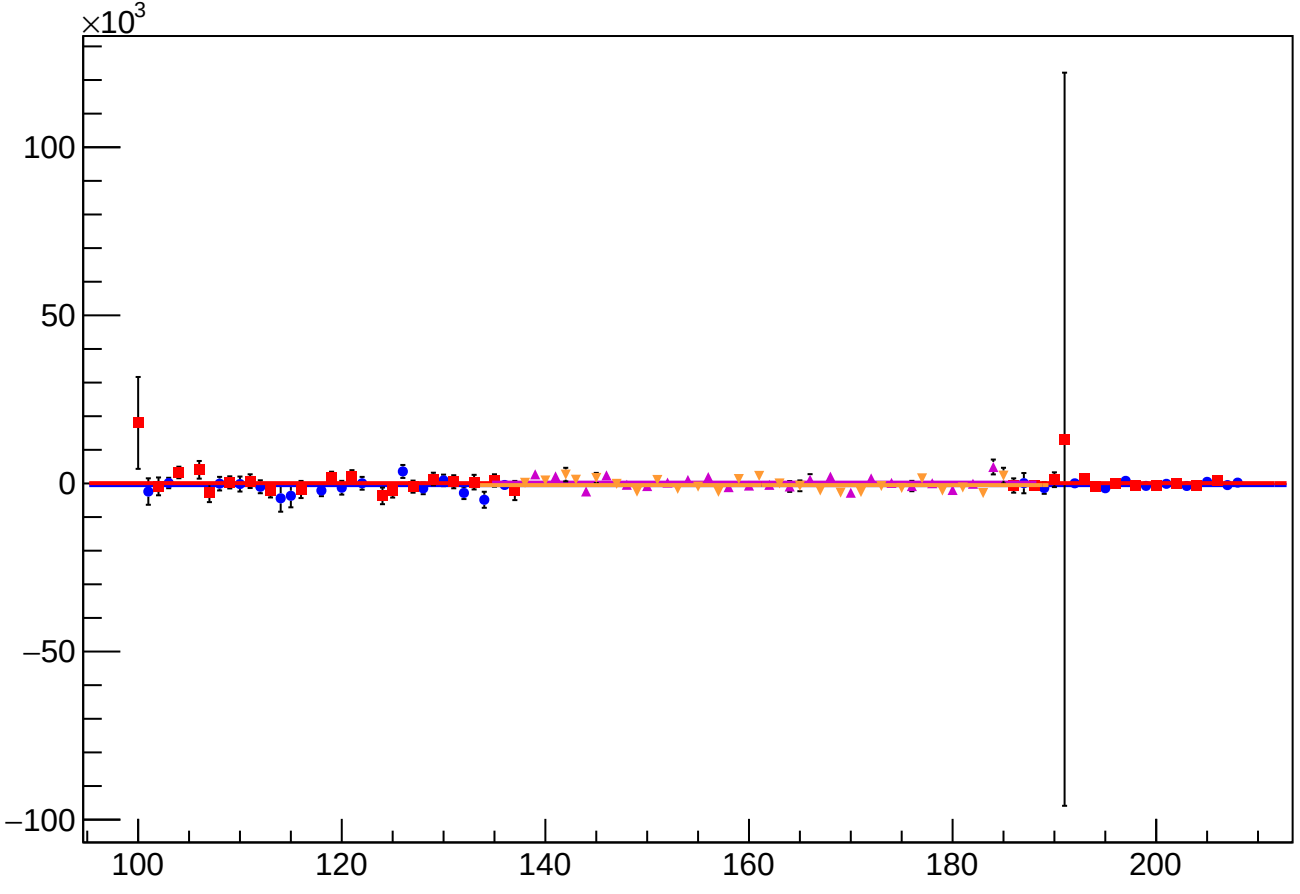
Right Out: 500.158+/-0.112 χ^2/NDF: 12831318.7/30

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 288.652+/-0.042 χ^2/NDF: 22617477.3/51

All: 299.465+/-0.031 χ^2/NDF: 42955415.4/10

- sign 311.640+/-0.045 χ^2/NDF: 20197667.3/53



Right In: -501.118+/-323.350 χ^2/NDF: 16.6/26

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 91.096+/-321.977 χ^2/NDF: 21.3/30

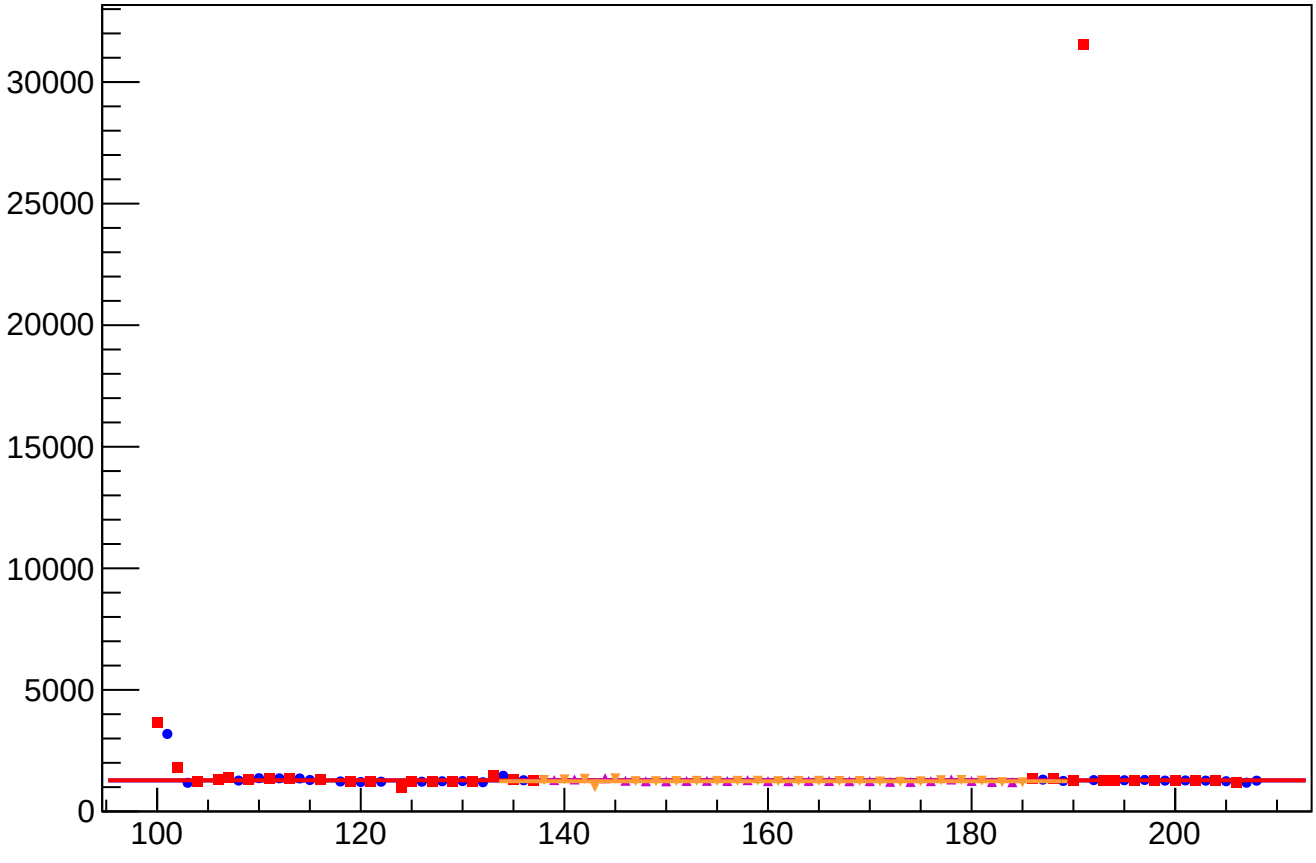
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -496.764+/-212.843 χ^2/NDF: 50.8/51

All: -168.586+/-152.035 χ^2/NDF: 107.8/105

- sign 173.303+/-217.244 χ^2/NDF: 52.1/53

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1275.447+/-0.229 χ^2/NDF: 525053.6/26

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

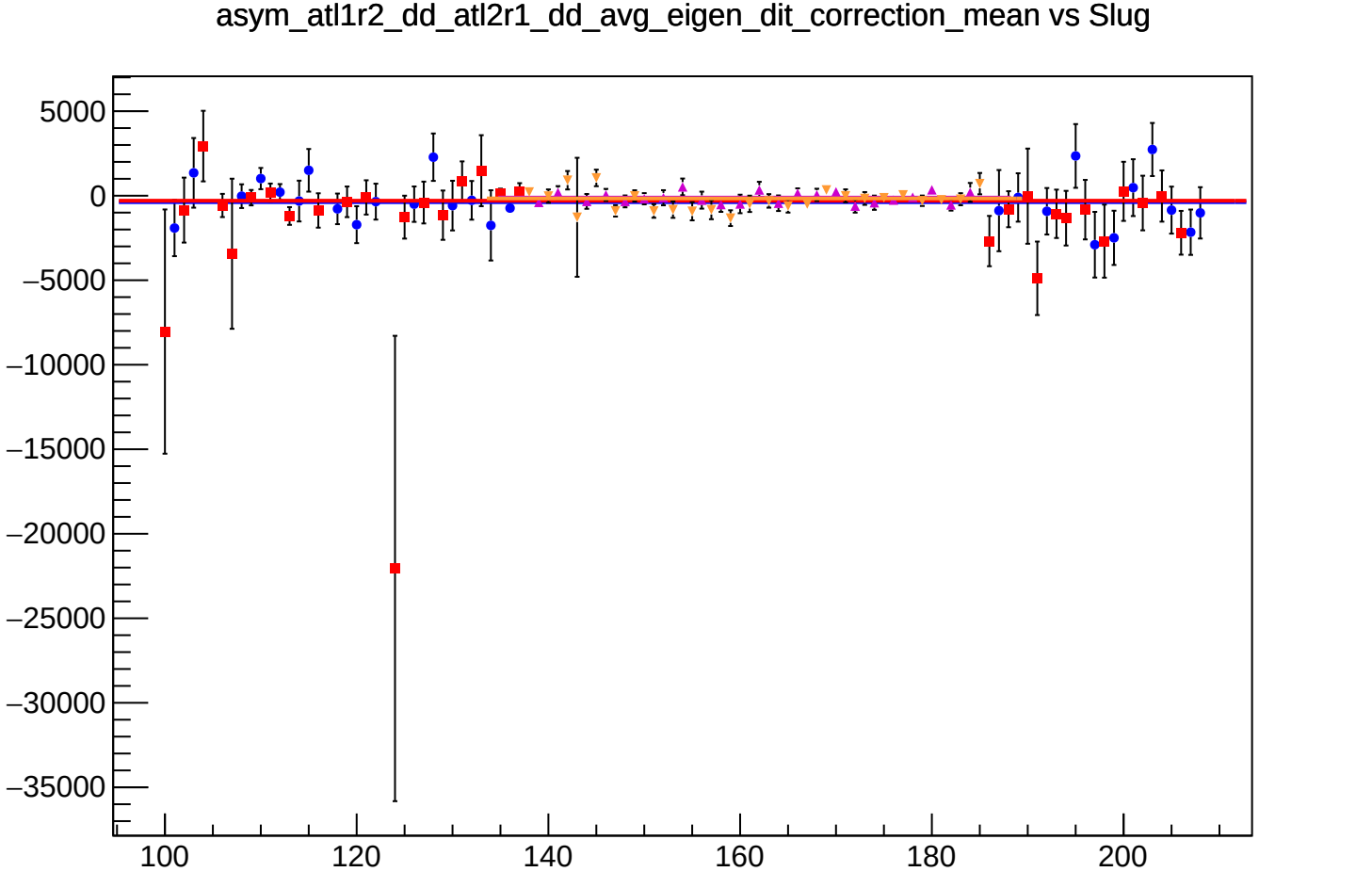
Right Out: 1281.036+/-0.228 χ^2/NDF: 387539.0/30

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1256.798+/-0.151 χ^2/NDF: 666814.9/51

All: 1263.081+/-0.108 χ^2/NDF: 1090454.2/10

- sign 1269.627+/-0.154 χ^2/NDF: 420080.2/53



Right In: -381.170+/-160.118 χ^2/NDF: 30.5/26

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

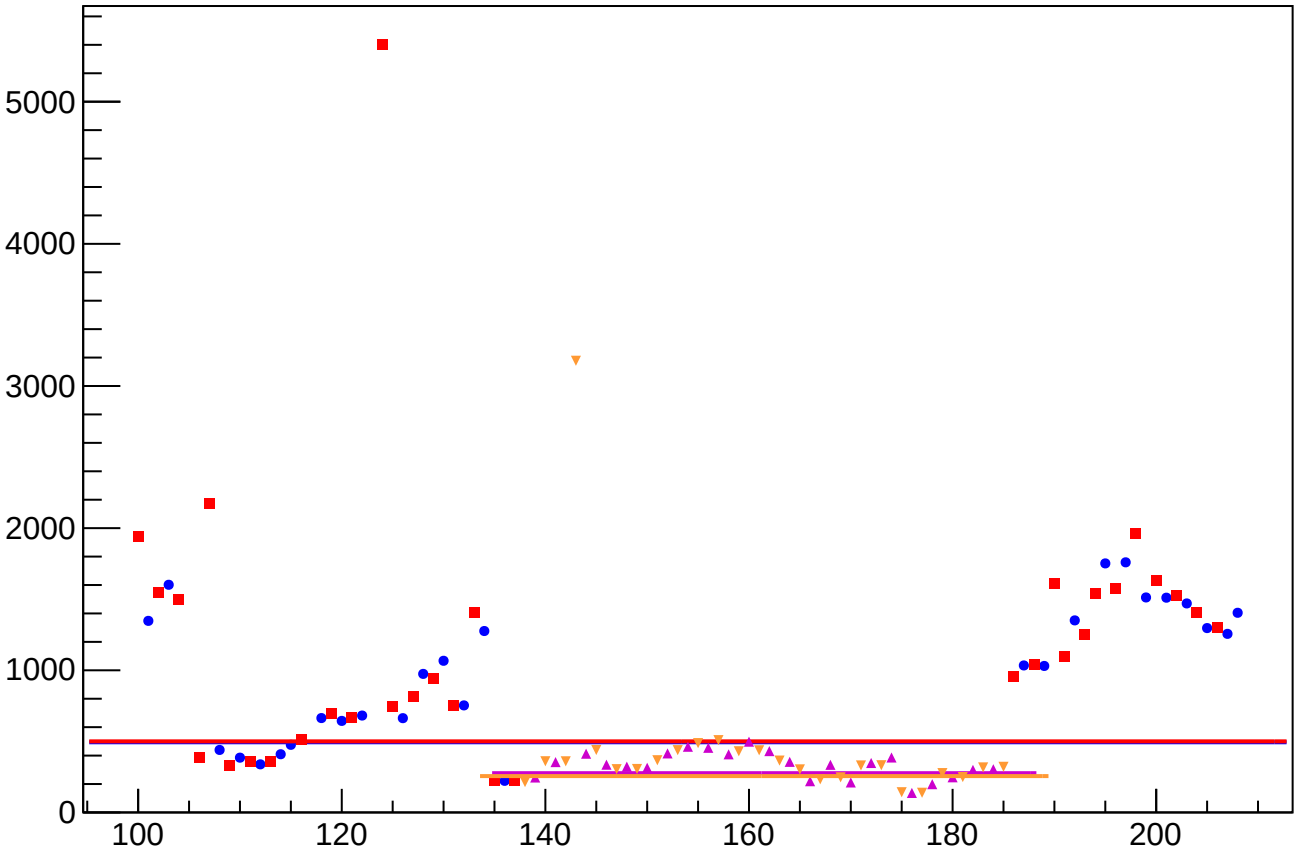
Right Out: -296.062+/-158.993 χ^2/NDF: 28.1/30

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -191.381+/-59.535 χ^2/NDF: 75.8/51

All: -168.392+/-43.327 χ^2/NDF: 123.5/105

- sign -142.507+/-63.173 χ^2/NDF: 47.4/53



Right In: 493.632+/-0.113 χ^2/NDF: 12439931.8/26

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 500.167+/-0.112 χ^2/NDF: 12831032.7/30

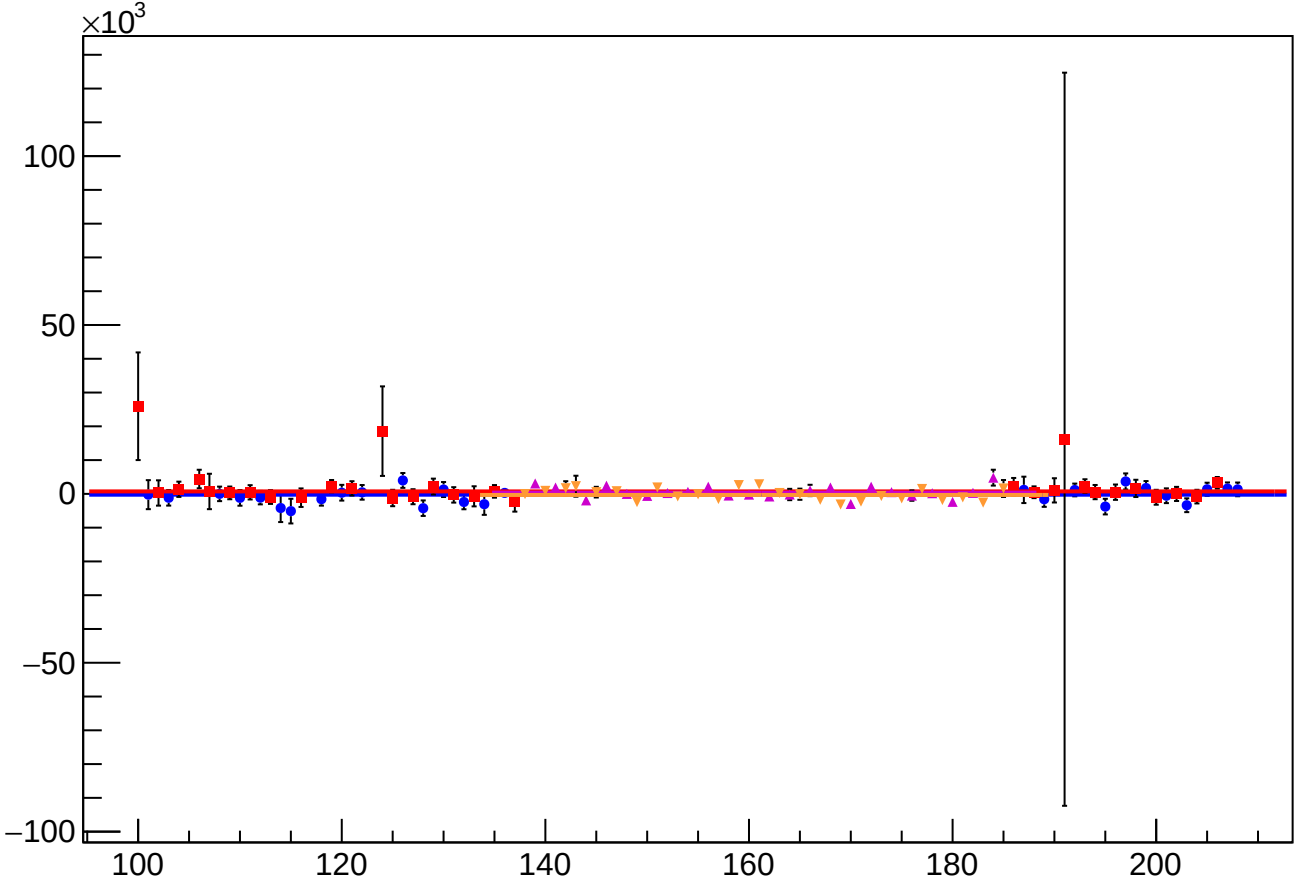
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 288.654+/-0.042 χ^2/NDF: 22617258.1/51

All: 299.467+/-0.031 χ^2/NDF: 42955063.7/10

- sign 311.642+/-0.045 χ^2/NDF: 20197546.6/53

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -242.290+/-424.968 χ^2/NDF: 24.6/26

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 731.385+/-426.611 χ^2/NDF: 15.9/30

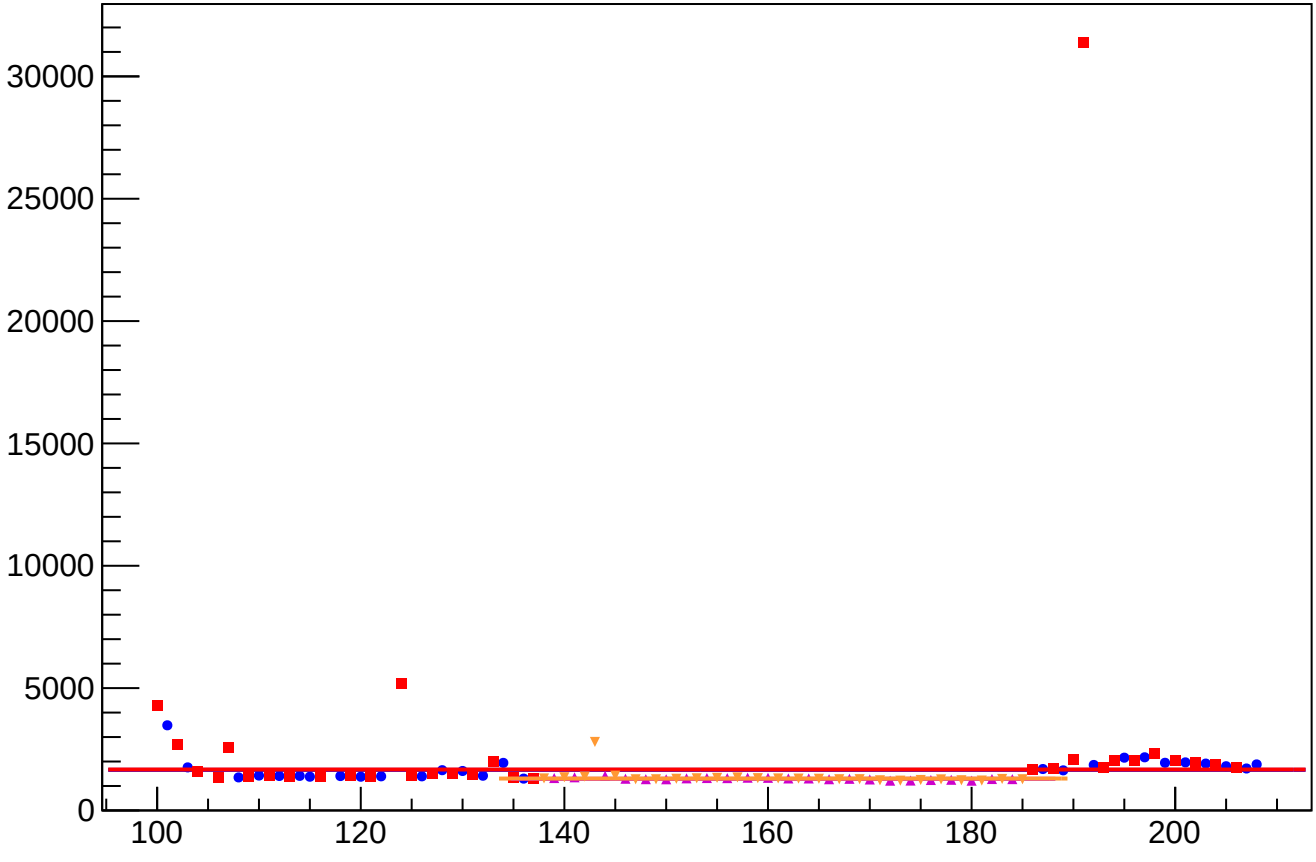
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -294.181+/-244.139 χ^2/NDF: 56.2/51

All: 90.037+/-173.439 χ^2/NDF: 107.3/105

- sign 481.520+/-246.436 χ^2/NDF: 46.1/53

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1658.400+/-0.300 χ^2/NDF: 1129924.5/26

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

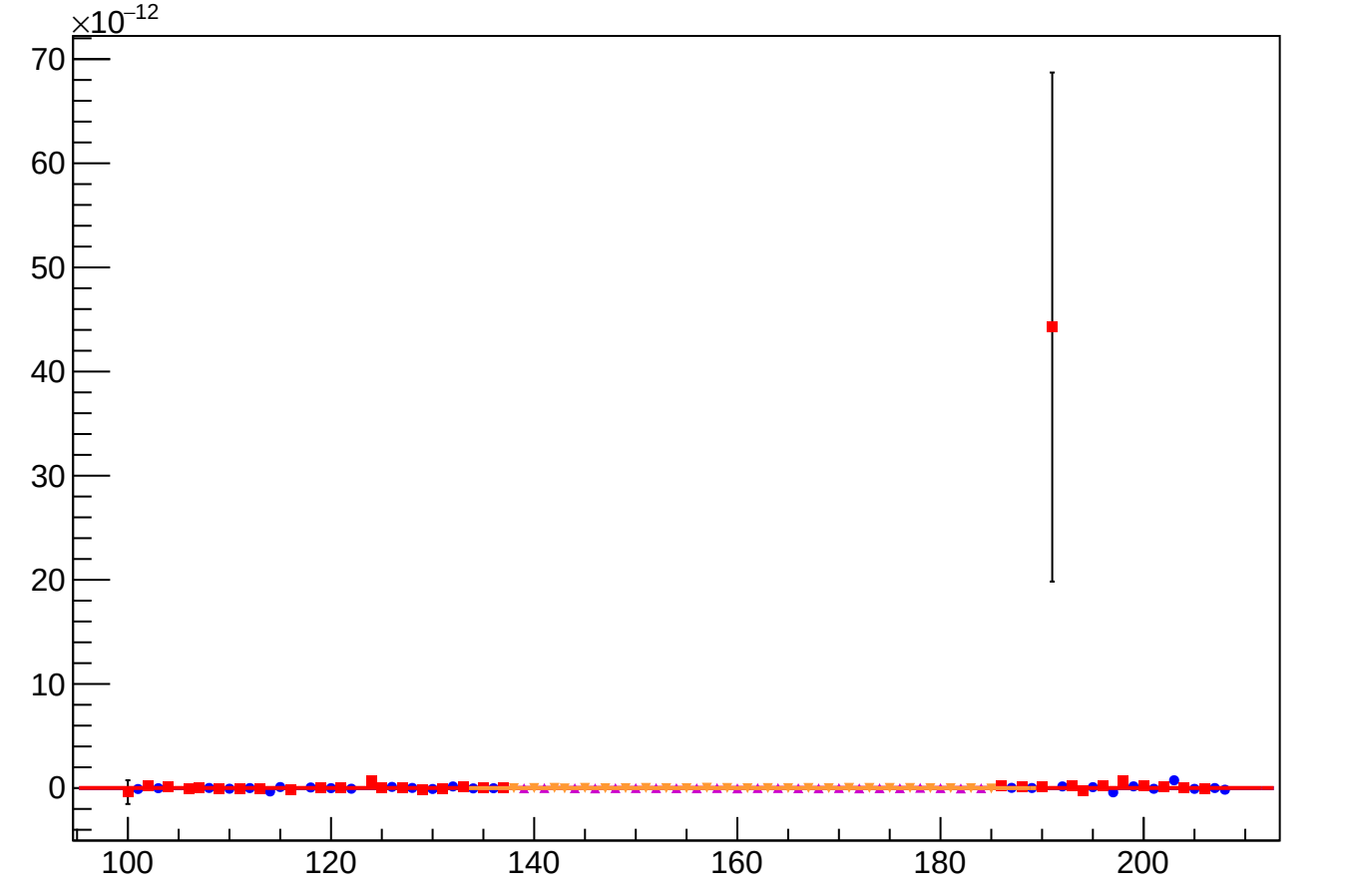
Right Out: 1672.588+/-0.302 χ^2/NDF: 1374227.9/30

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1421.069+/-0.173 χ^2/NDF: 2580588.3/51

All: 1420.085+/-0.123 χ^2/NDF: 5063142.6/10

- sign 1419.081+/-0.174 χ^2/NDF: 2482488.7/53



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

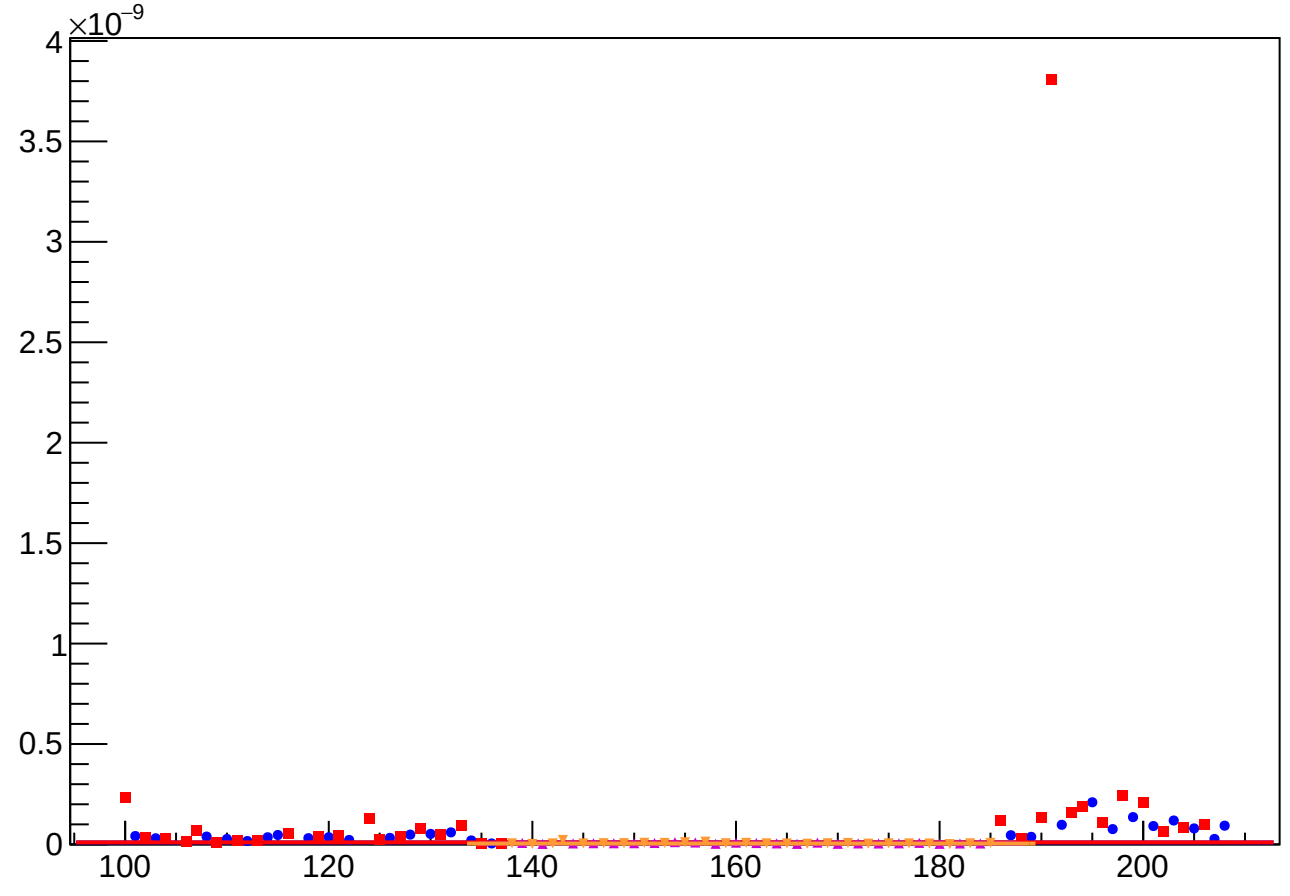
Right Out: 0.000+/-0.000 χ^2/NDF: 37.2/30

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.2/51

All: 0.000+/-0.000 χ^2/NDF: 125.7/105

- sign 0.000+/-0.000 χ^2/NDF: 69.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 7460981.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

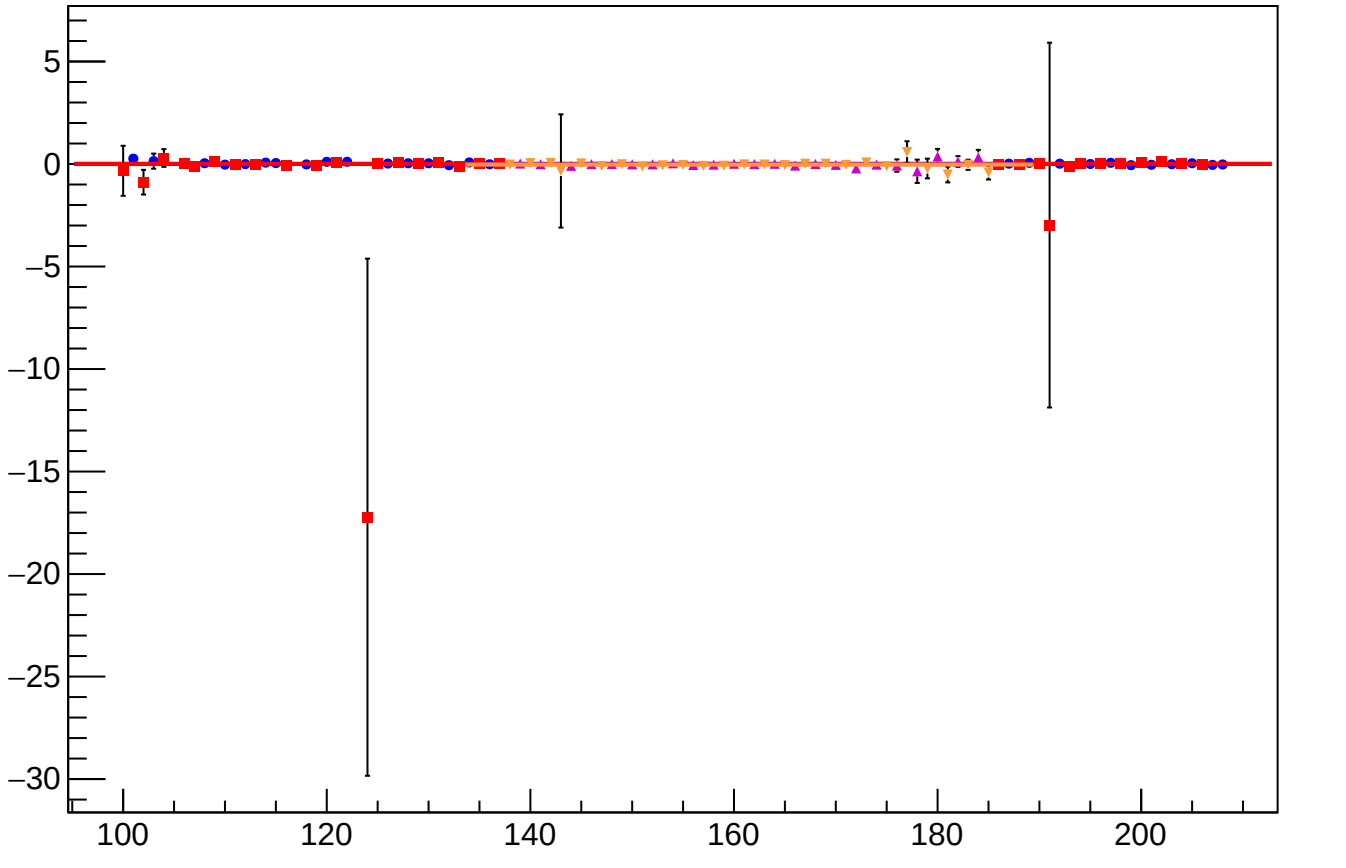
Right Out: 0.000+/-0.000 χ^2/NDF: 9284599.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11194690.2/51

All: 0.000+/-0.000 χ^2/NDF: 23319887.0/105

- sign 0.000+/-0.000 χ^2/NDF: 12102161.2/53



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

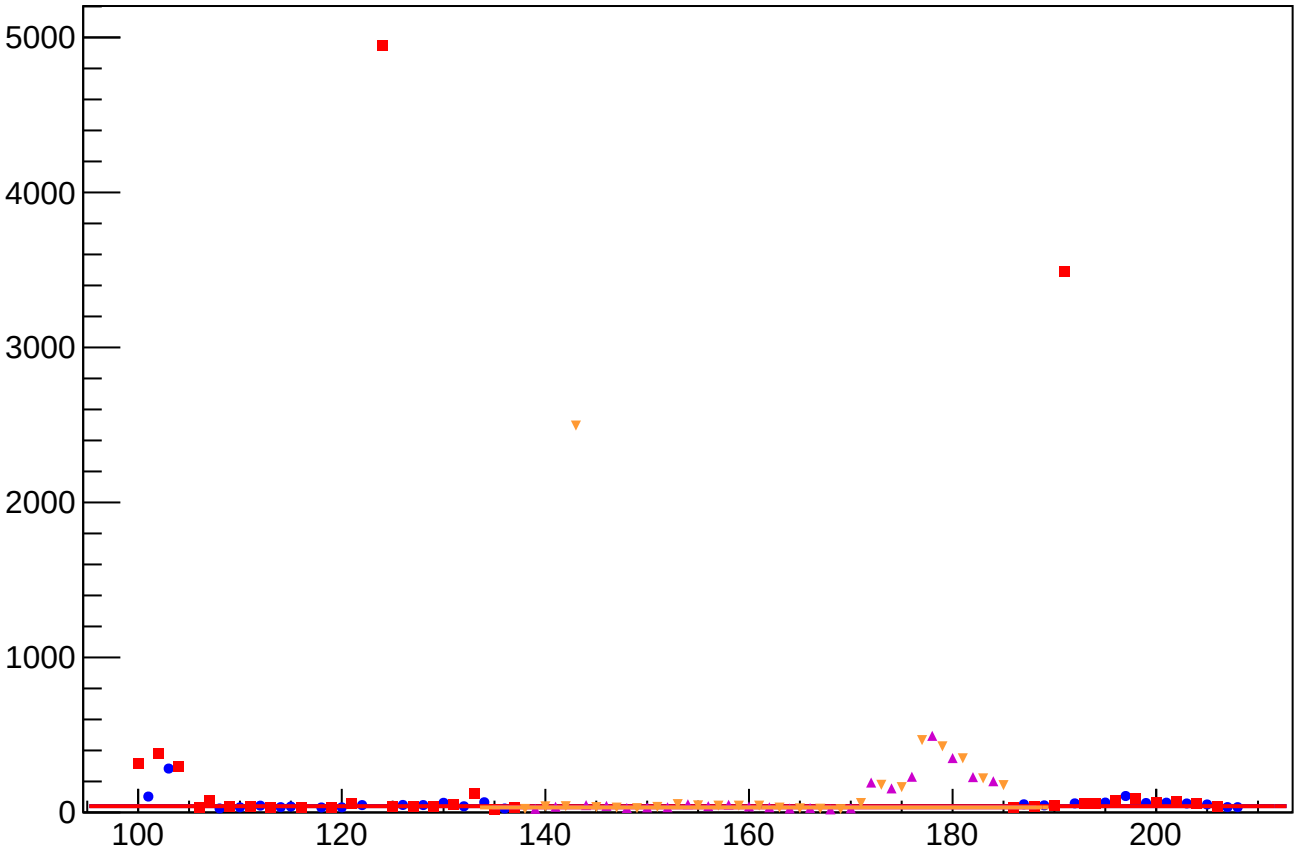
Right Out: 0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.1/51

All: -0.009+/-0.005 χ^2/NDF: 87.9/105

- sign -0.003+/-0.007 χ^2/NDF: 37.5/53



Right In: 41.030+/-0.008 χ^2/NDF: 4131783.1/26

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

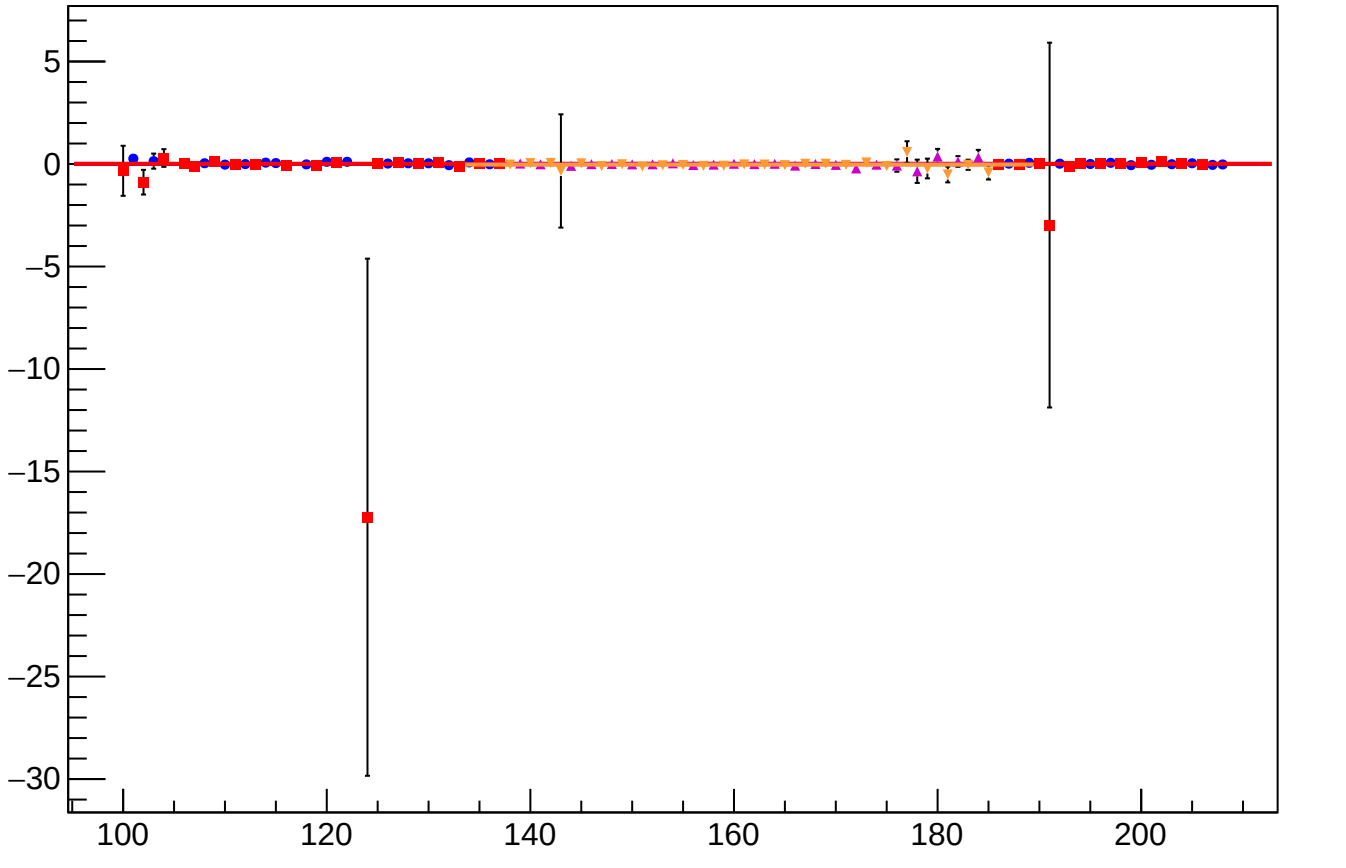
Right Out: 40.367+/-0.008 χ^2/NDF: 5416368.0/30

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.868+/-0.005 χ^2/NDF: 15624607.1/51

All: 35.803+/-0.004 χ^2/NDF: 30511693.6/105

- sign 35.738+/-0.005 χ^2/NDF: 14886780.8/53



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

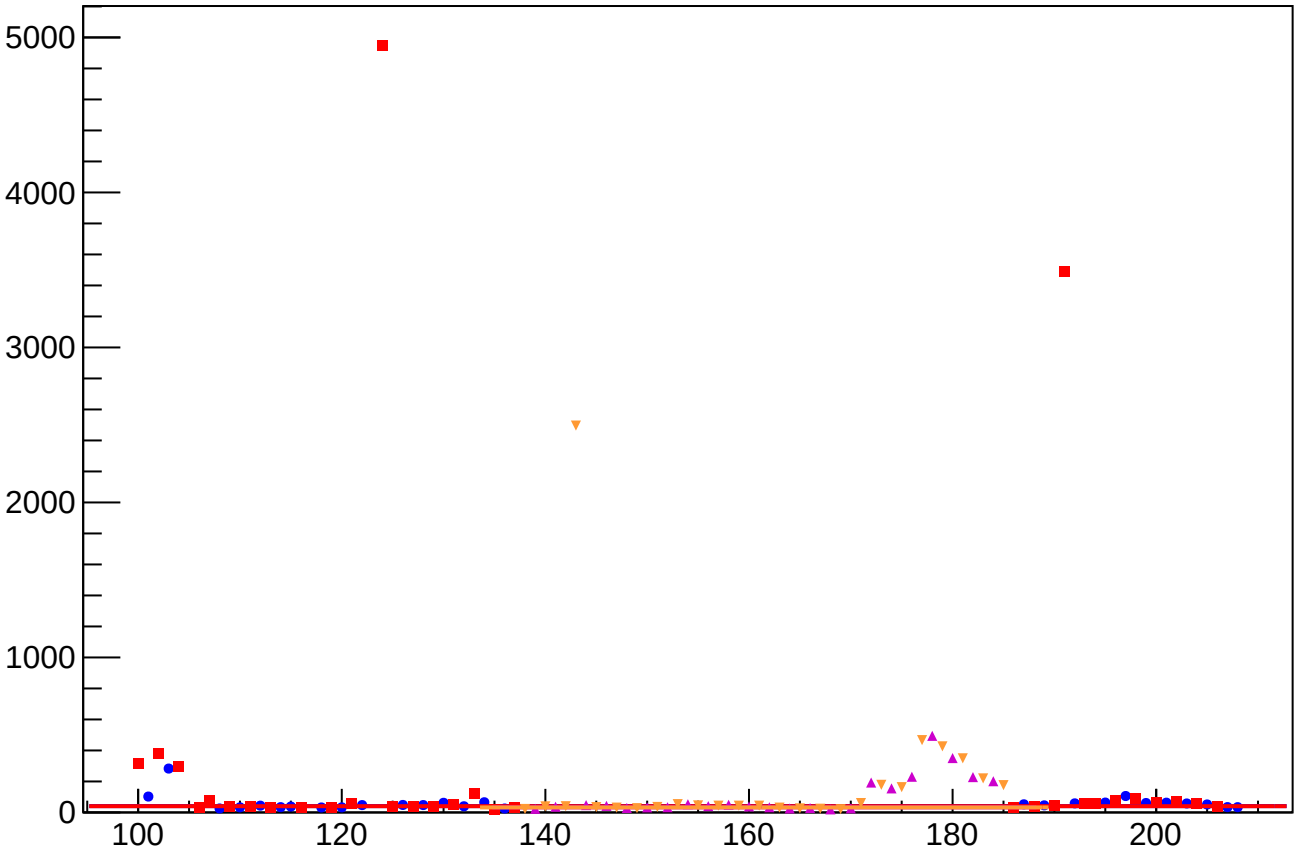
Right Out: 0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.1/51

All: -0.009+/-0.005 χ^2/NDF: 87.9/105

- sign -0.003+/-0.007 χ^2/NDF: 37.5/53



Right In: 41.030+/-0.008 χ^2/NDF: 4131783.1/26

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

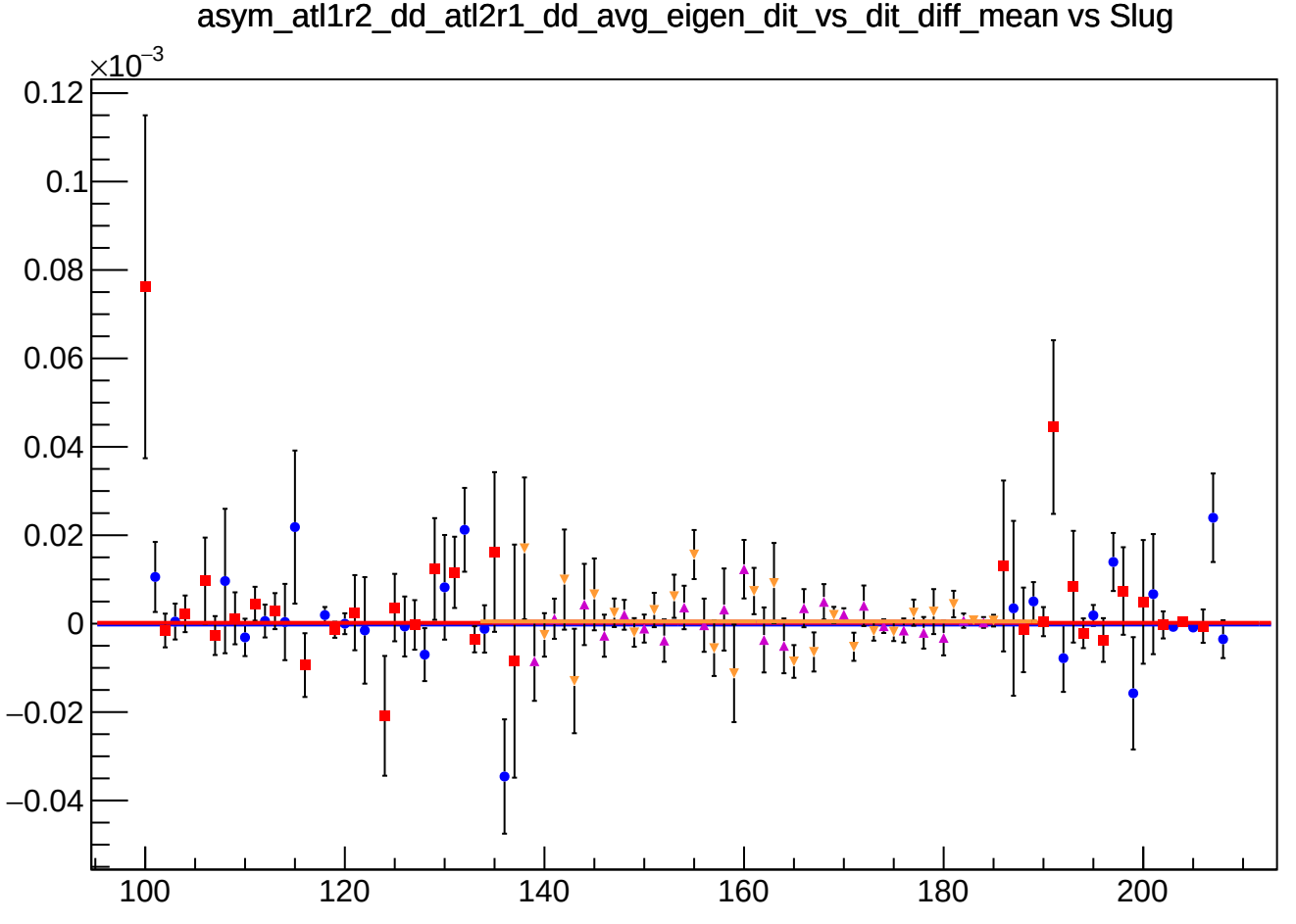
Right Out: 40.367+/-0.008 χ^2/NDF: 5416368.0/30

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.868+/-0.005 χ^2/NDF: 15624607.1/51

All: 35.803+/-0.004 χ^2/NDF: 30511693.6/105

- sign 35.738+/-0.005 χ^2/NDF: 14886780.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 36.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

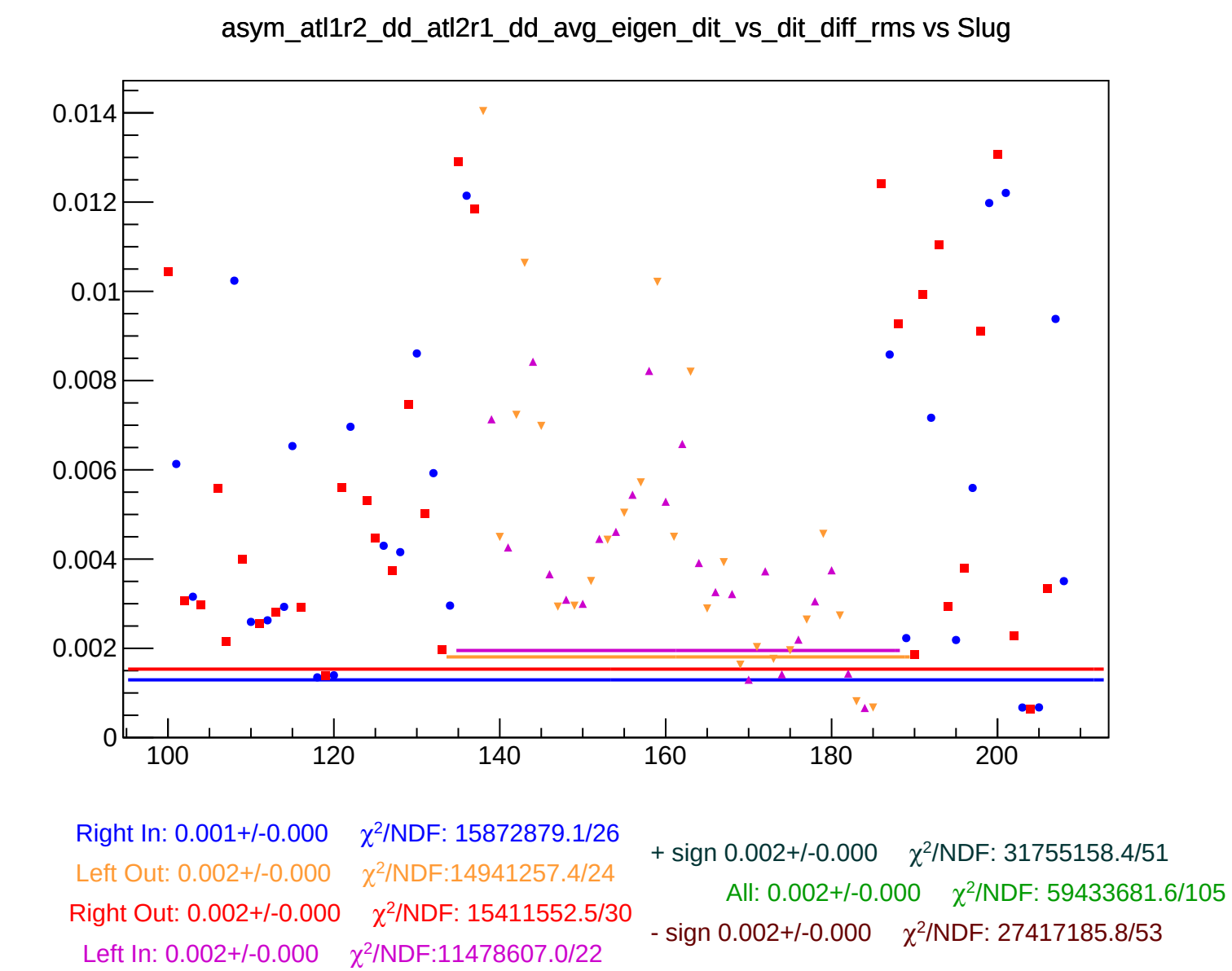
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/30

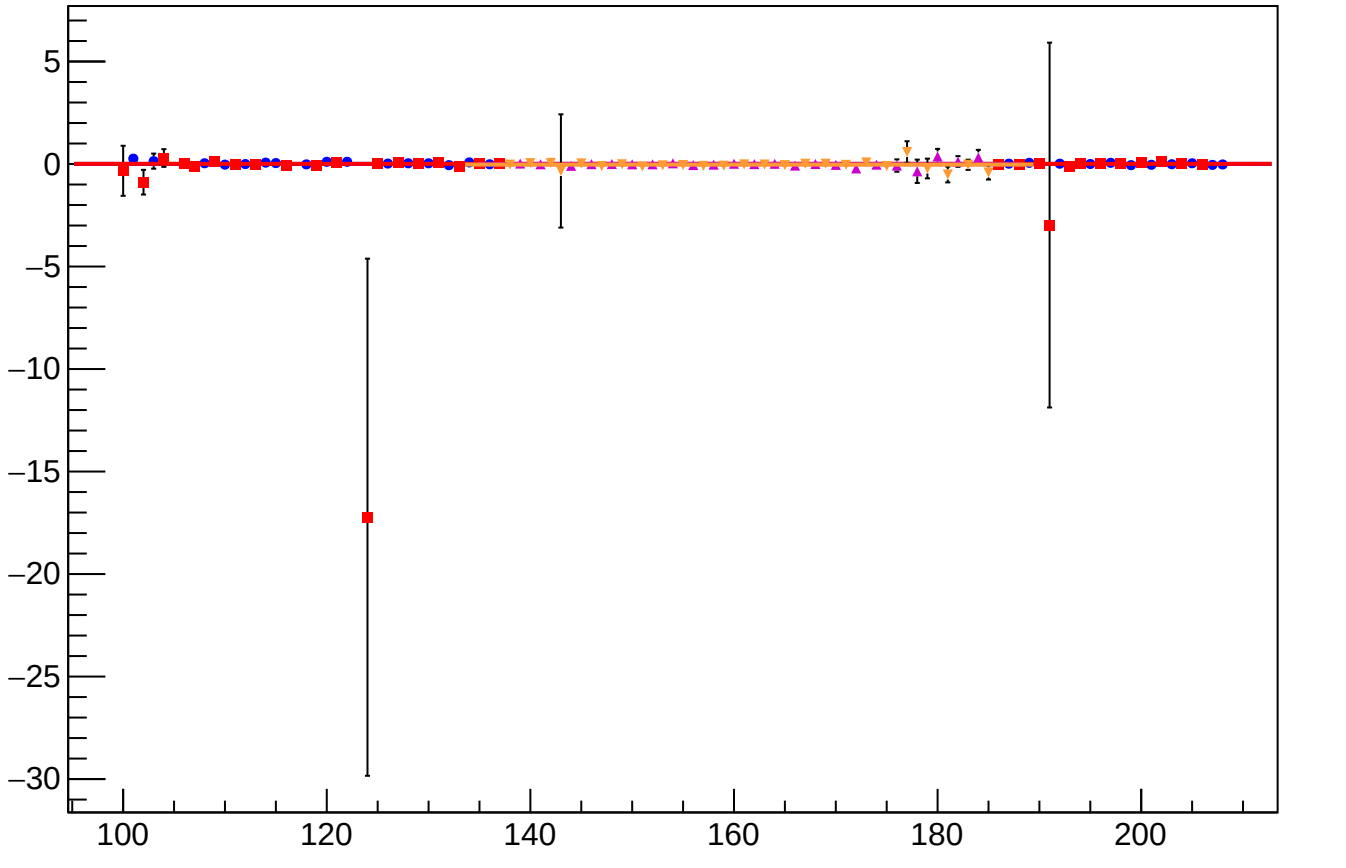
Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.3/51

All: 0.000+/-0.000 χ^2/NDF: 113.4/105

- sign 0.000+/-0.000 χ^2/NDF: 39.9/53


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 15872879.1/26
Left Out: 0.002+/-0.000 χ²/NDF:14941257.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 15411552.5/30
Left In: 0.002+/-0.000 χ²/NDF:11478607.0/22
+ sign 0.002+/-0.000 χ²/NDF: 31755158.4/51
All: 0.002+/-0.000 χ²/NDF: 59433681.6/105
- sign 0.002+/-0.000 χ²/NDF: 27417185.8/53



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.009+/-0.012 χ^2/NDF: 22.6/30

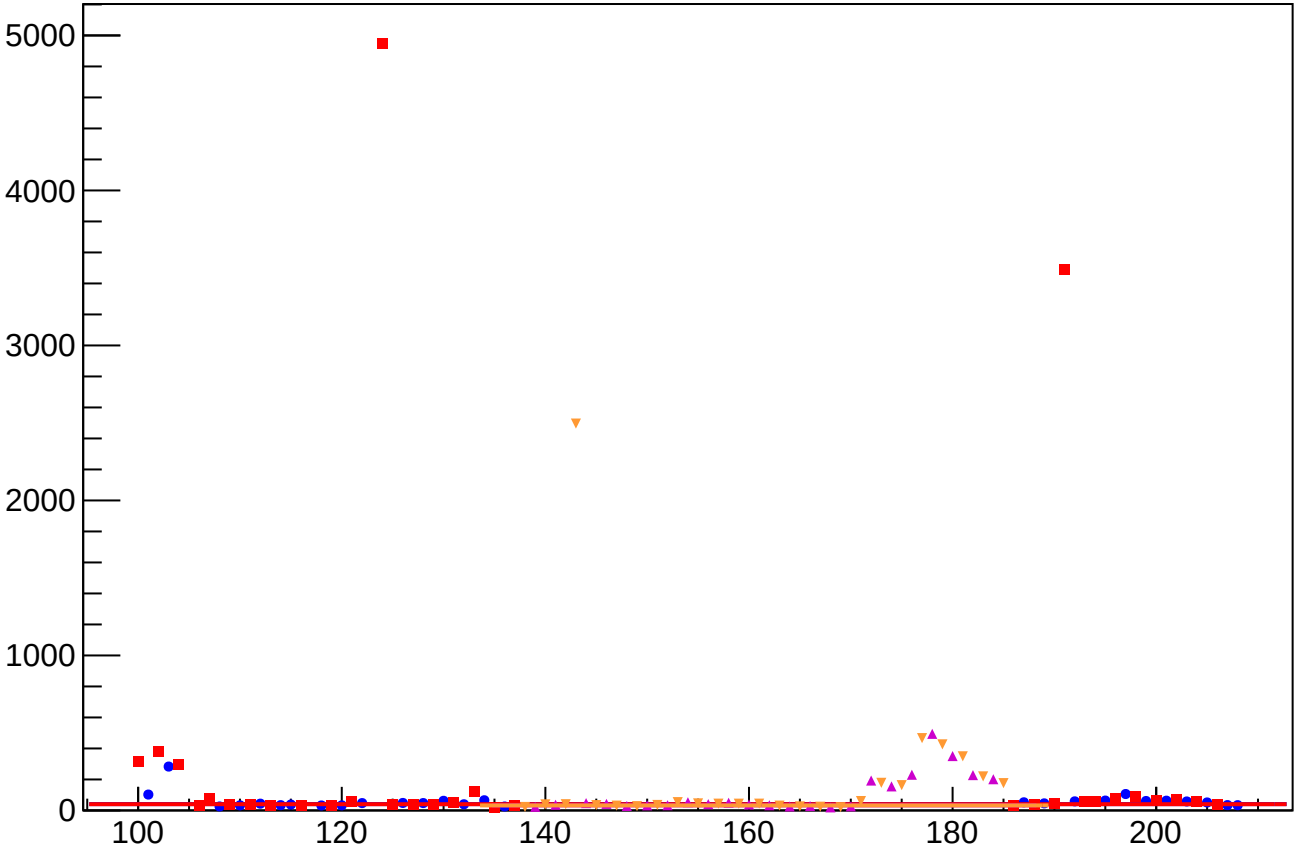
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.1/51

All: -0.009+/-0.005 χ^2/NDF: 87.9/105

- sign -0.003+/-0.007 χ^2/NDF: 37.5/53

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.030+/-0.008 χ^2/NDF: 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416163.6/30

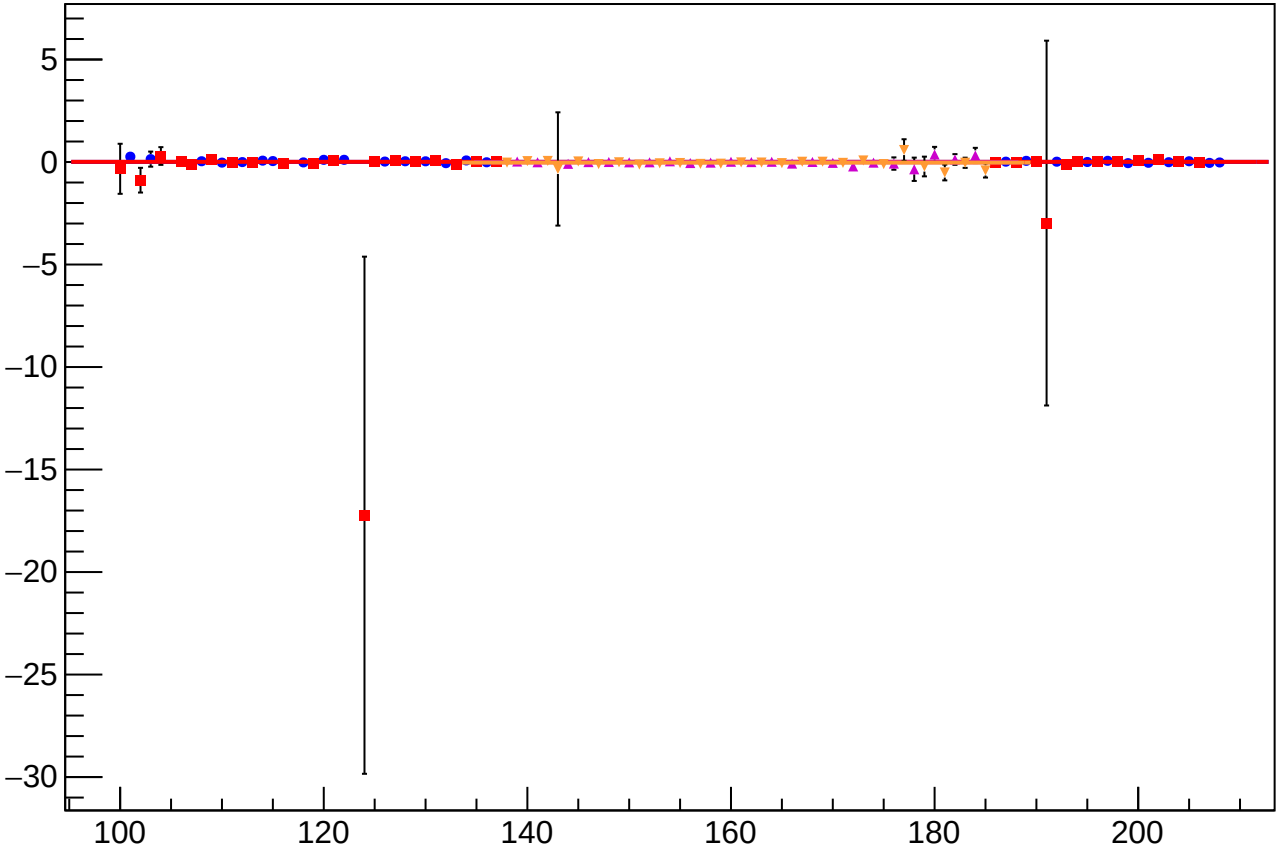
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.868+/-0.005 χ^2/NDF: 15624558.0/51

All: 35.802+/-0.004 χ^2/NDF: 30512266.5/105

- sign 35.737+/-0.005 χ^2/NDF: 14887399.3/53

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

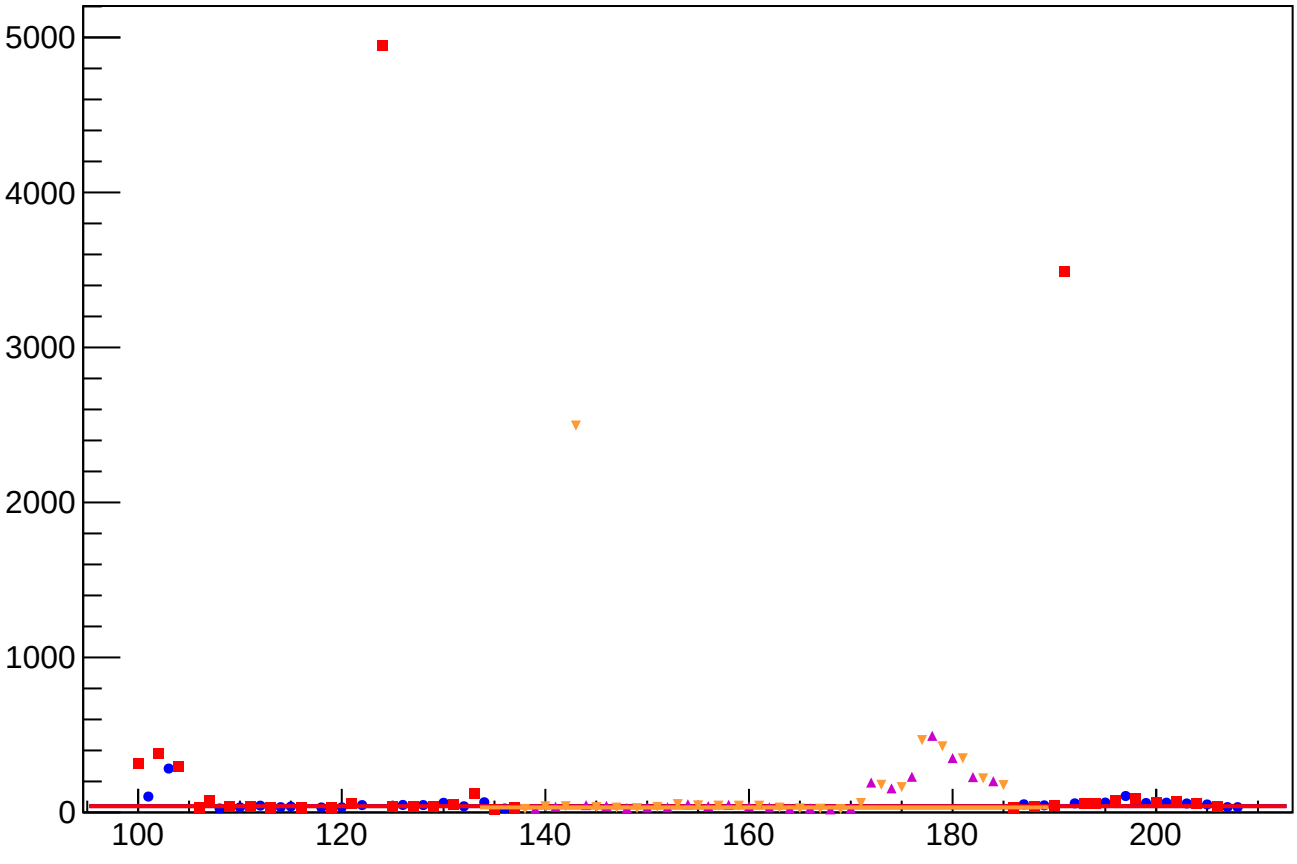
Right Out: 0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.1/51

All: -0.009+/-0.005 χ^2/NDF: 87.9/105

- sign -0.003+/-0.007 χ^2/NDF: 37.5/53



Right In: 41.030+/-0.008 χ^2/NDF: 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

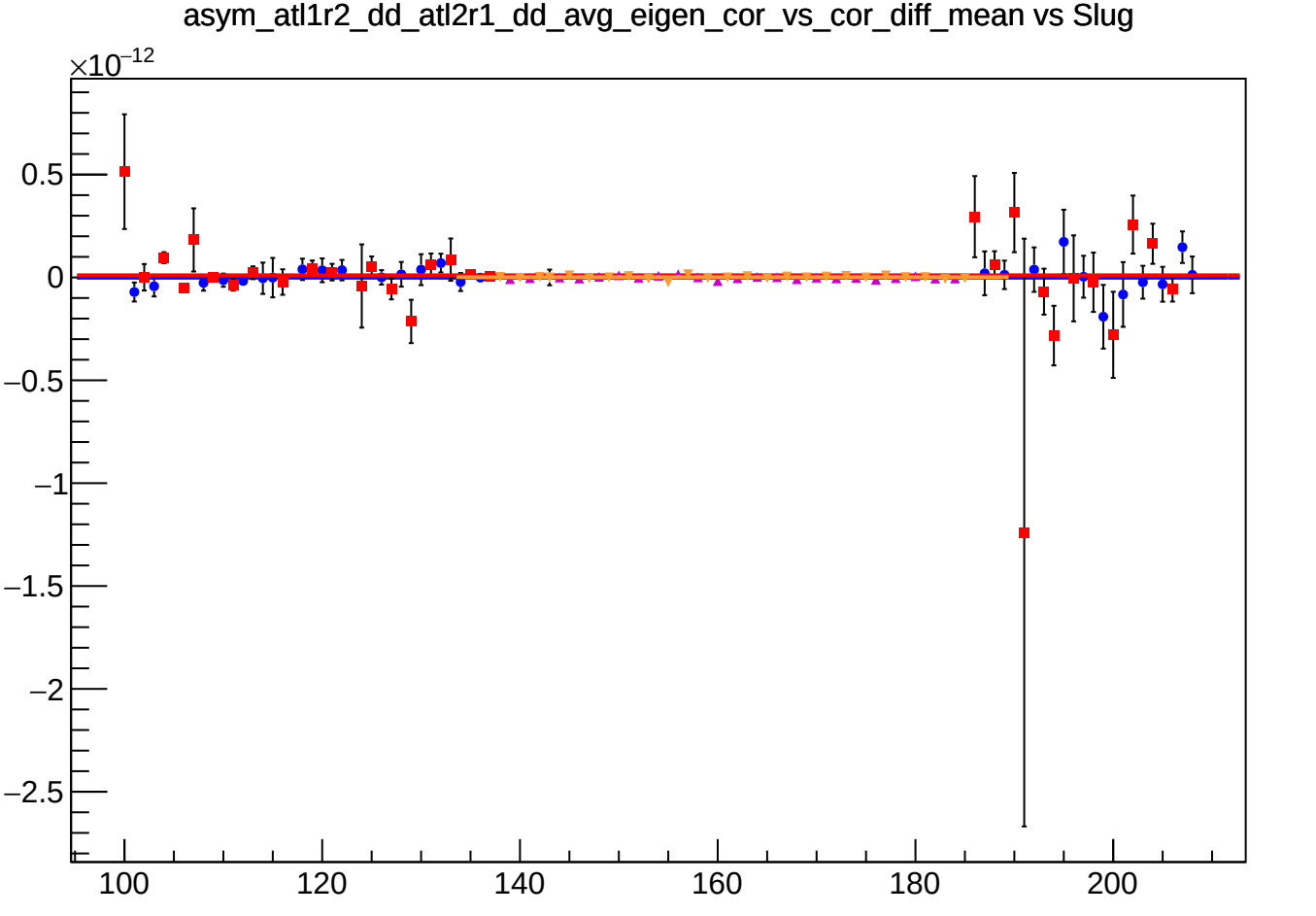
Right Out: 40.367+/-0.008 χ^2/NDF: 5416163.6/30

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.868+/-0.005 χ^2/NDF: 15624558.0/51

All: 35.802+/-0.004 χ^2/NDF: 30512266.5/105

- sign 35.737+/-0.005 χ^2/NDF: 14887399.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

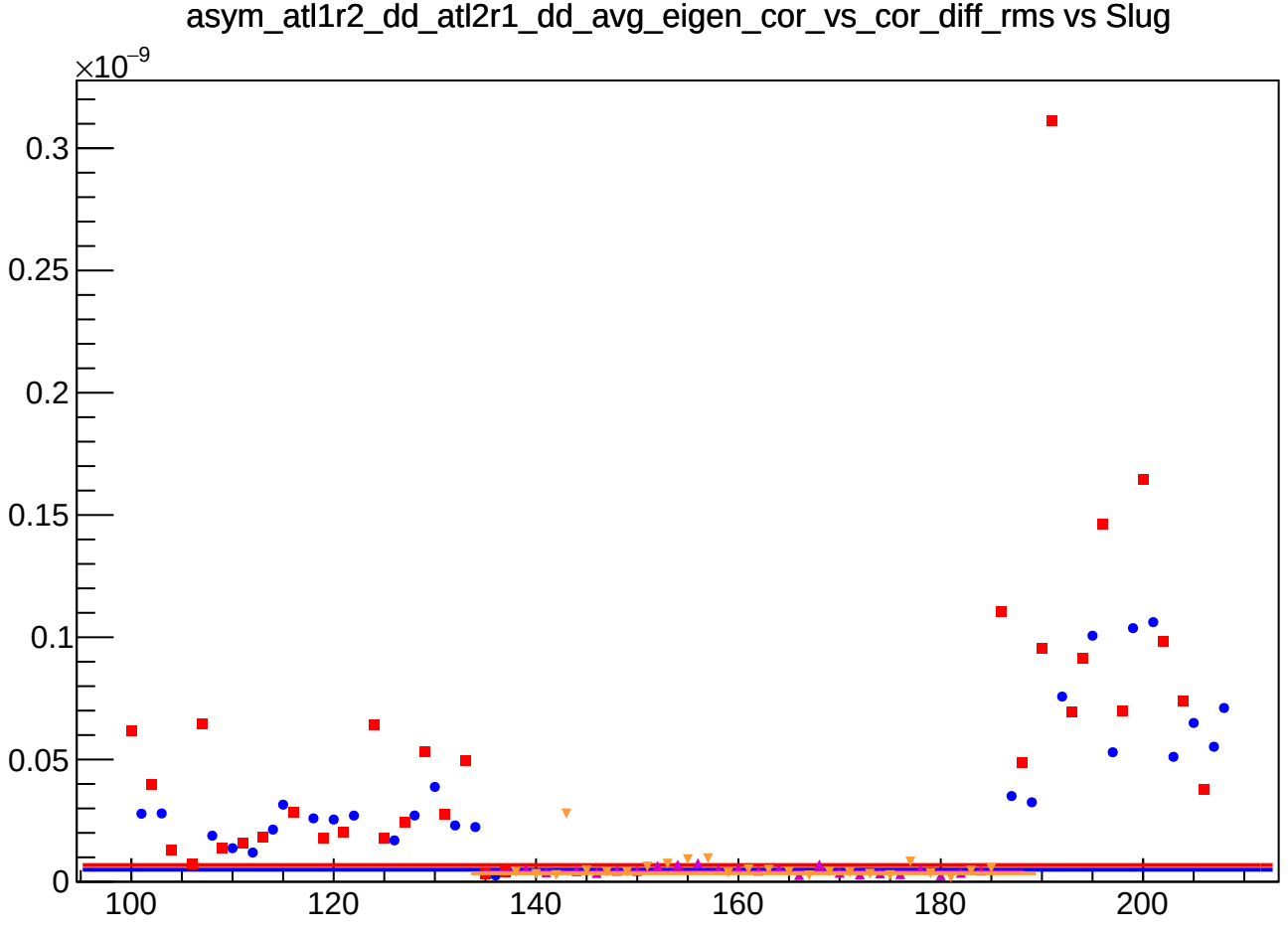
Right Out: 0.000+/-0.000 χ^2/NDF: 59.2/30

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

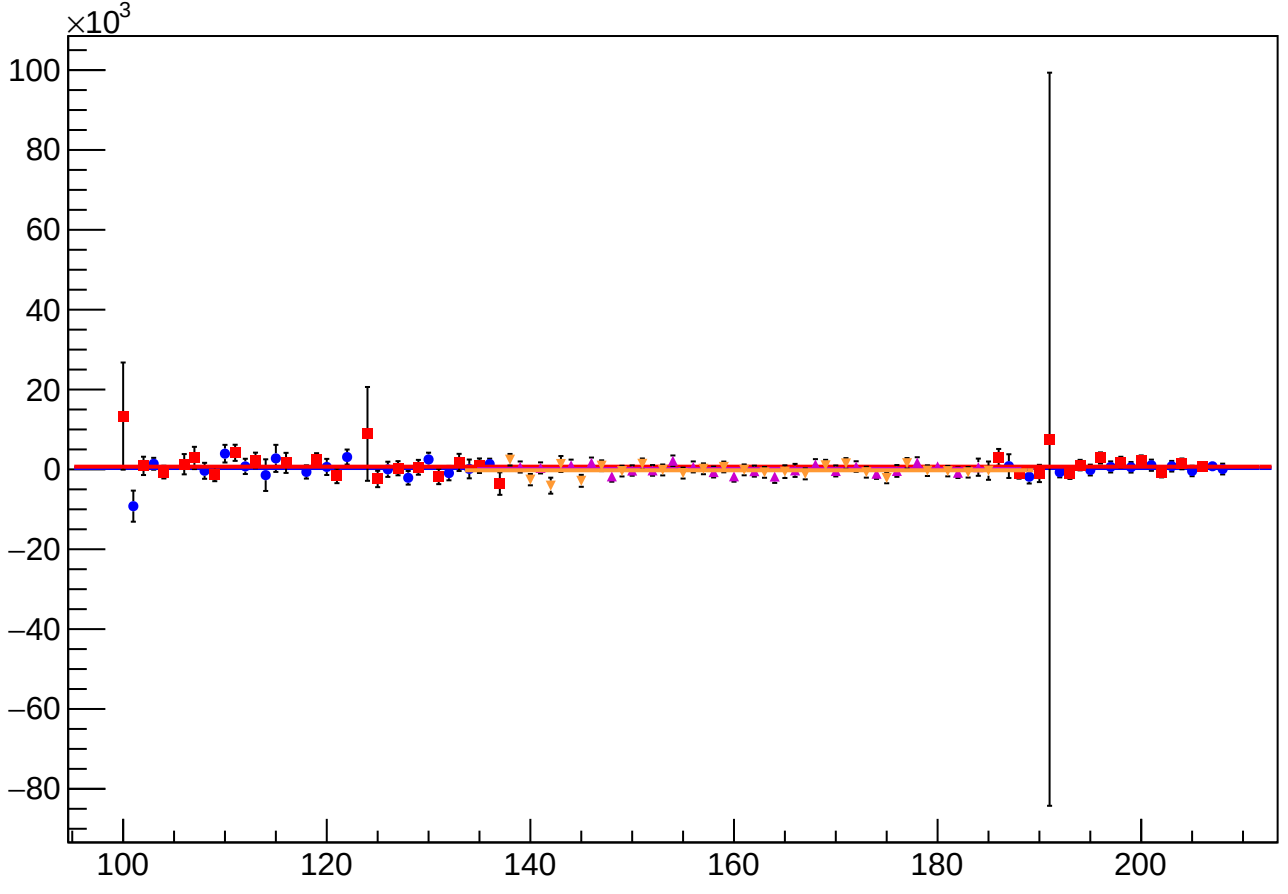
+ sign 0.000+/-0.000 χ^2/NDF: 34.4/51

All: 0.000+/-0.000 χ^2/NDF: 130.9/105

- sign -0.000+/-0.000 χ^2/NDF: 95.3/53


asym_atl1r2_dd_atl2r1_dd_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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 12981532.3/26
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 12896666.9/30
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
+ sign 0.000+/-0.000 χ²/NDF: 18003535.1/51
All: 0.000+/-0.000 χ²/NDF: 34134511.8/105
- sign 0.000+/-0.000 χ²/NDF: 15855975.0/53

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 344.651+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 681.848+/-319.078 χ^2/NDF: 27.3/30

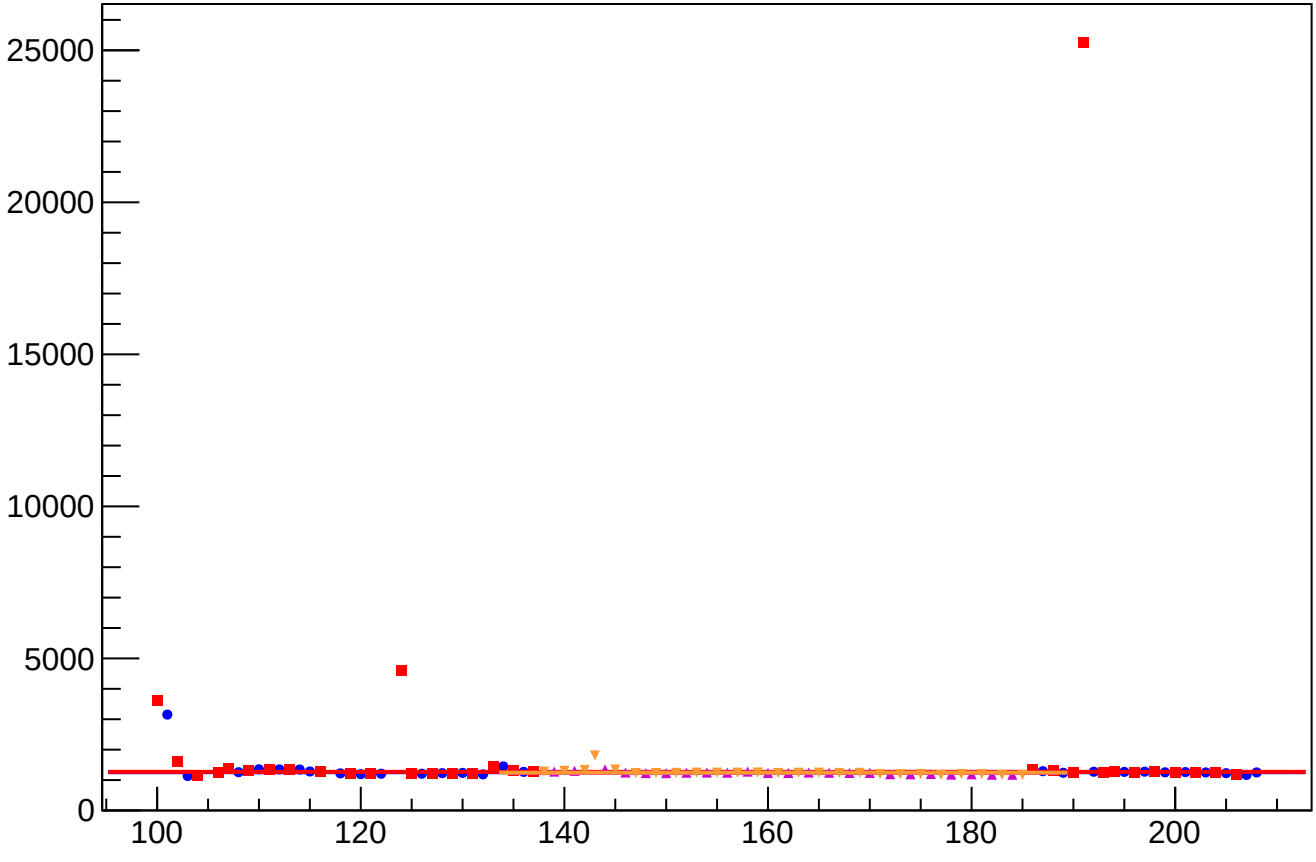
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 28.363+/-211.712 χ^2/NDF: 46.4/51

All: 191.130+/-150.464 χ^2/NDF: 91.5/105

- sign 357.248+/-213.881 χ^2/NDF: 43.9/53

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1258.016+/-0.226 χ^2/NDF: 533914.5/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

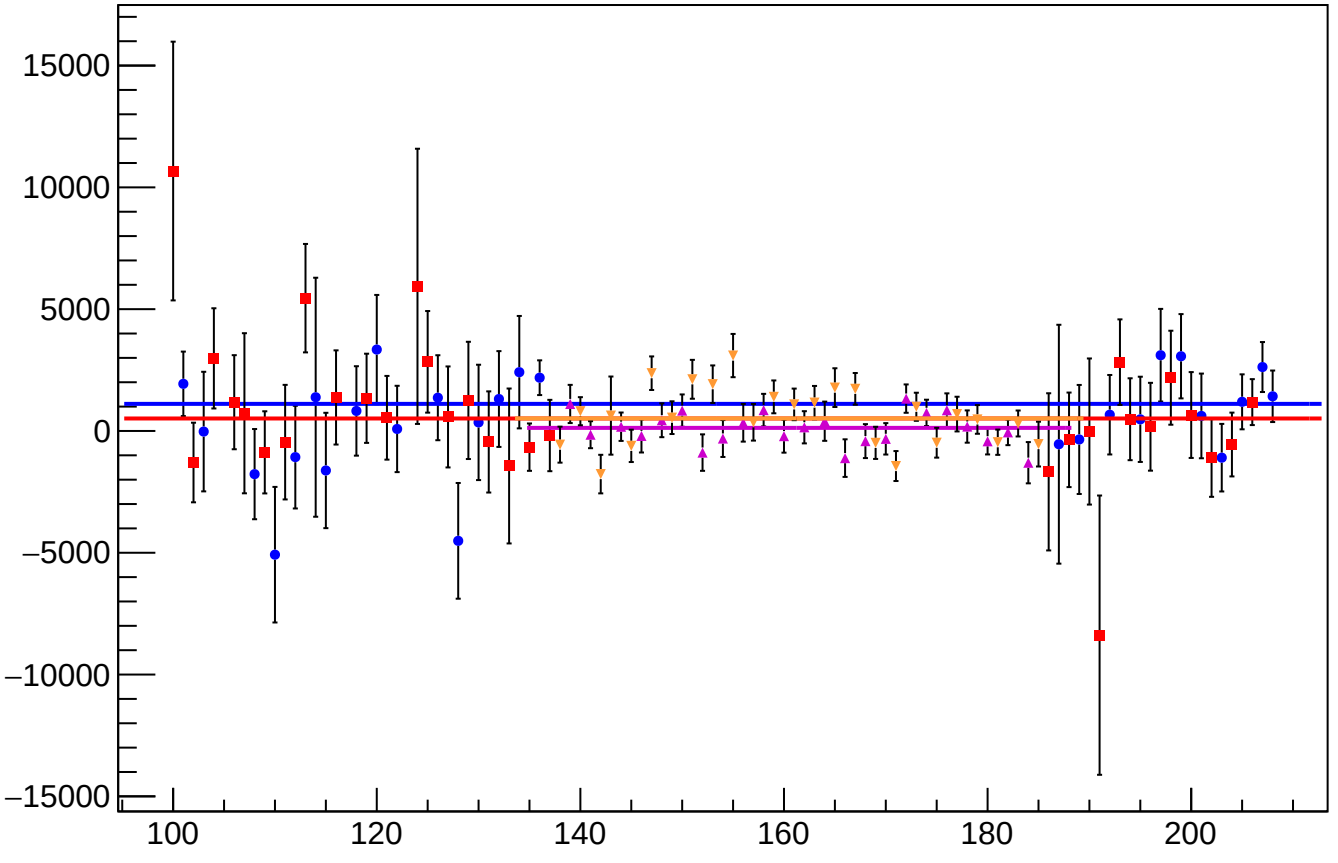
Right Out: 1269.681+/-0.226 χ^2/NDF: 486242.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1249.518+/-0.150 χ^2/NDF: 739751.6/51

All: 1249.705+/-0.106 χ^2/NDF: 1279243.8/10

- sign 1249.896+/-0.151 χ^2/NDF: 539489.0/53



Right In: 1112.108+/-307.872 χ^2/NDF: 28.1/26

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

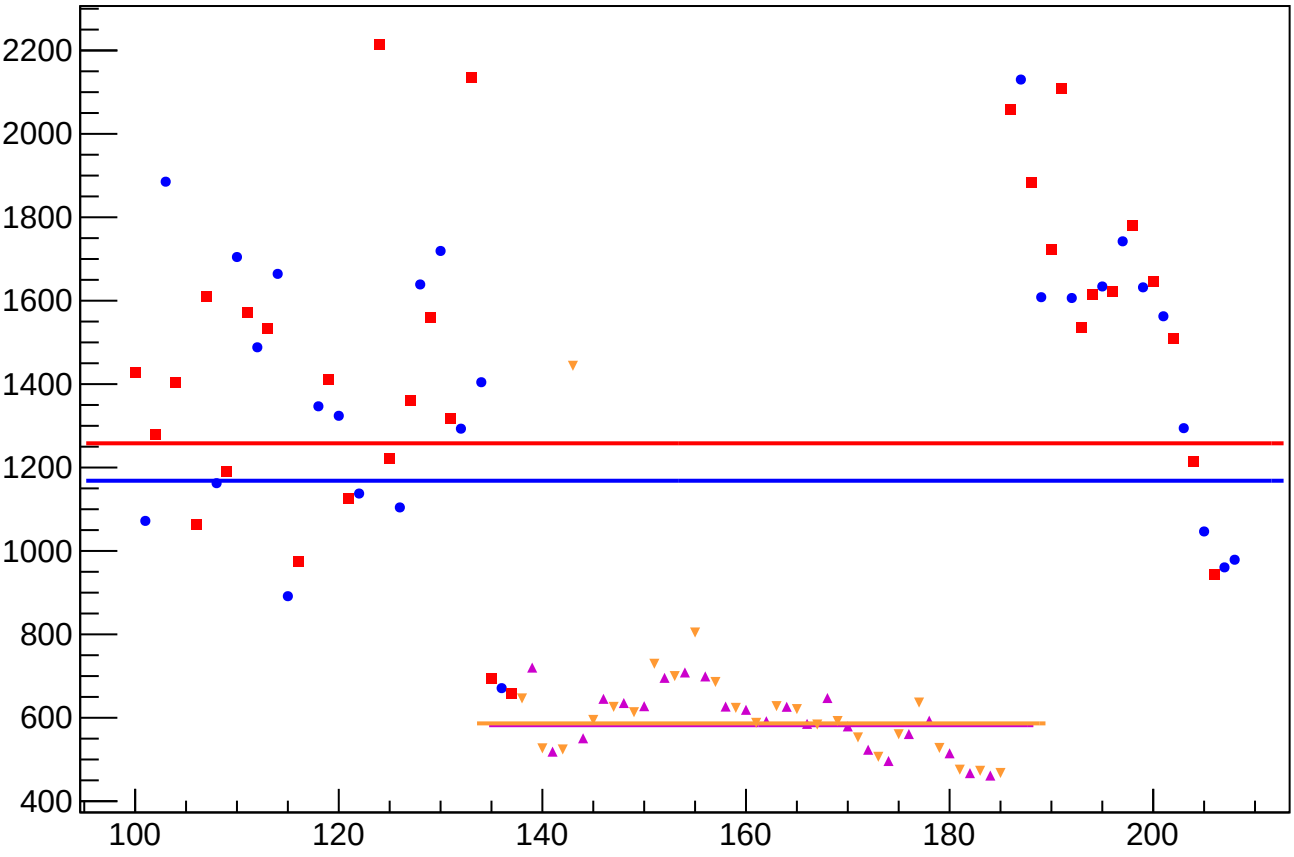
Right Out: 512.242+/-327.067 χ^2/NDF: 25.0/30

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 613.689+/-124.208 χ^2/NDF: 98.2/51

All: 403.053+/-88.652 χ^2/NDF: 151.8/105

- sign 184.328+/-126.571 χ^2/NDF: 47.7/53



Right In: 1168.338+/-0.218 χ^2/NDF: 2625141.7/26

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1258.079+/-0.231 χ^2/NDF: 2611021.4/30

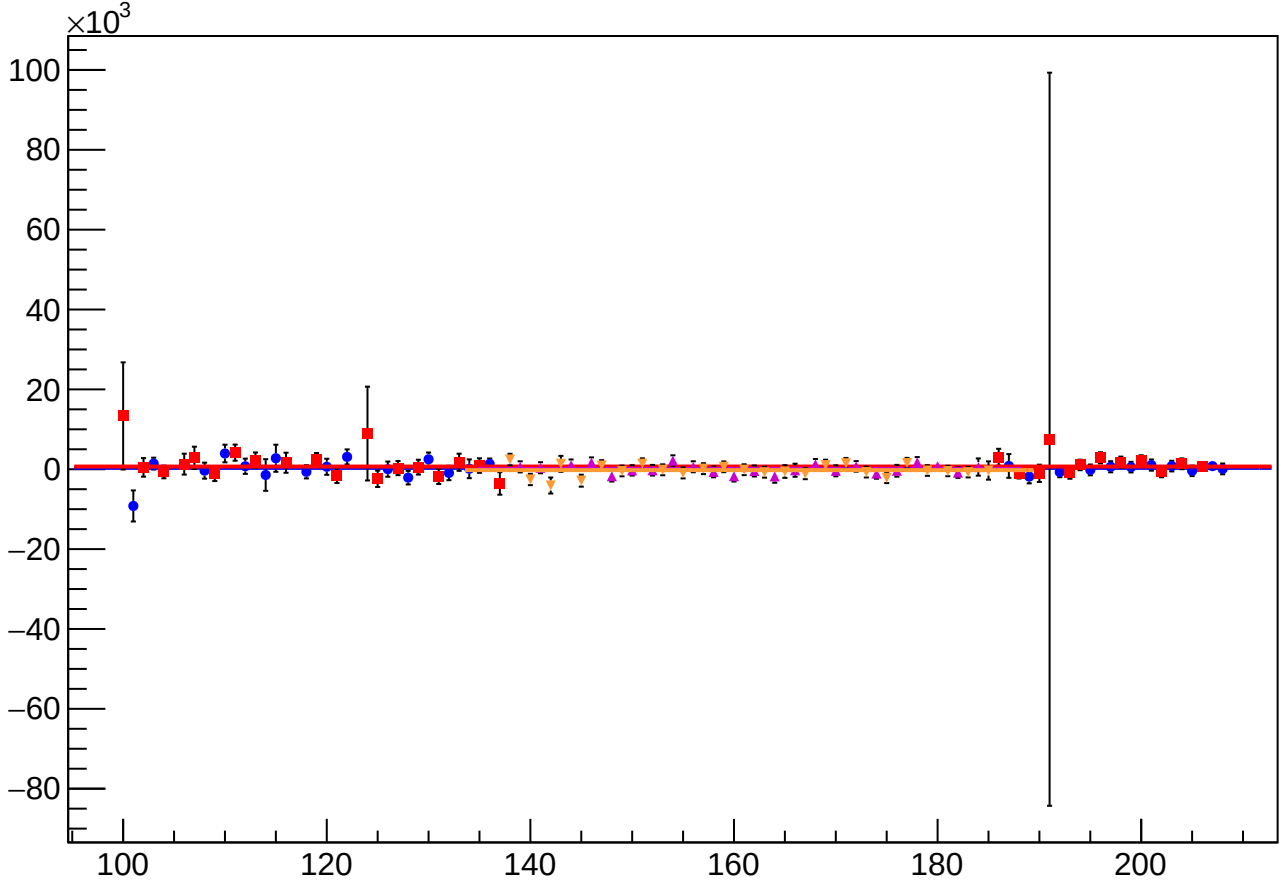
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 681.251+/-0.088 χ^2/NDF: 9807434.2/51

All: 682.311+/-0.063 χ^2/NDF: 20239883.4/10

- sign 683.411+/-0.089 χ^2/NDF: 10432152.4/53

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 344.856+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 673.061+/-319.317 χ^2/NDF: 27.3/30

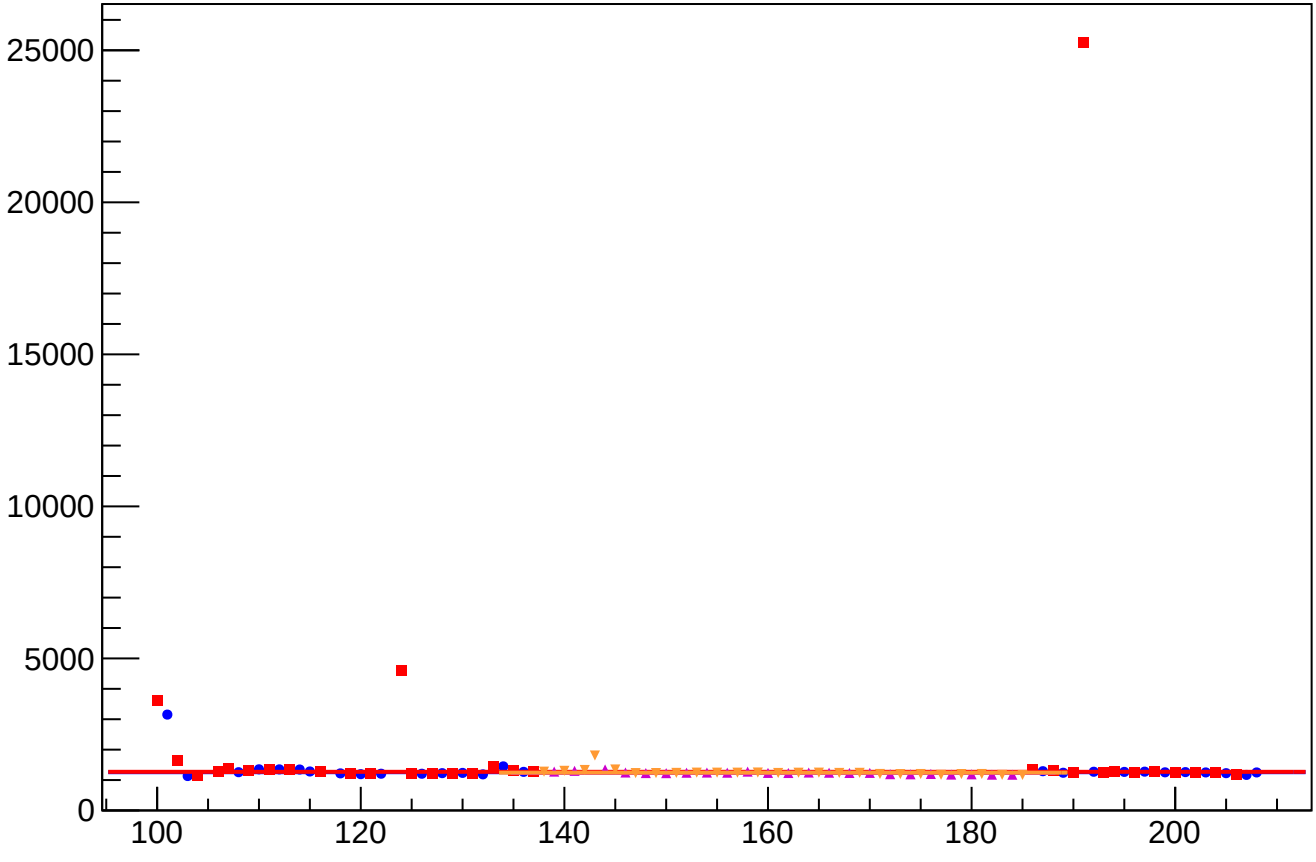
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 28.434+/-211.712 χ^2/NDF: 46.3/51

All: 189.069+/-150.489 χ^2/NDF: 91.4/105

- sign 353.123+/-213.953 χ^2/NDF: 43.8/53

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1258.016+/-0.226 χ^2/NDF: 533915.9/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

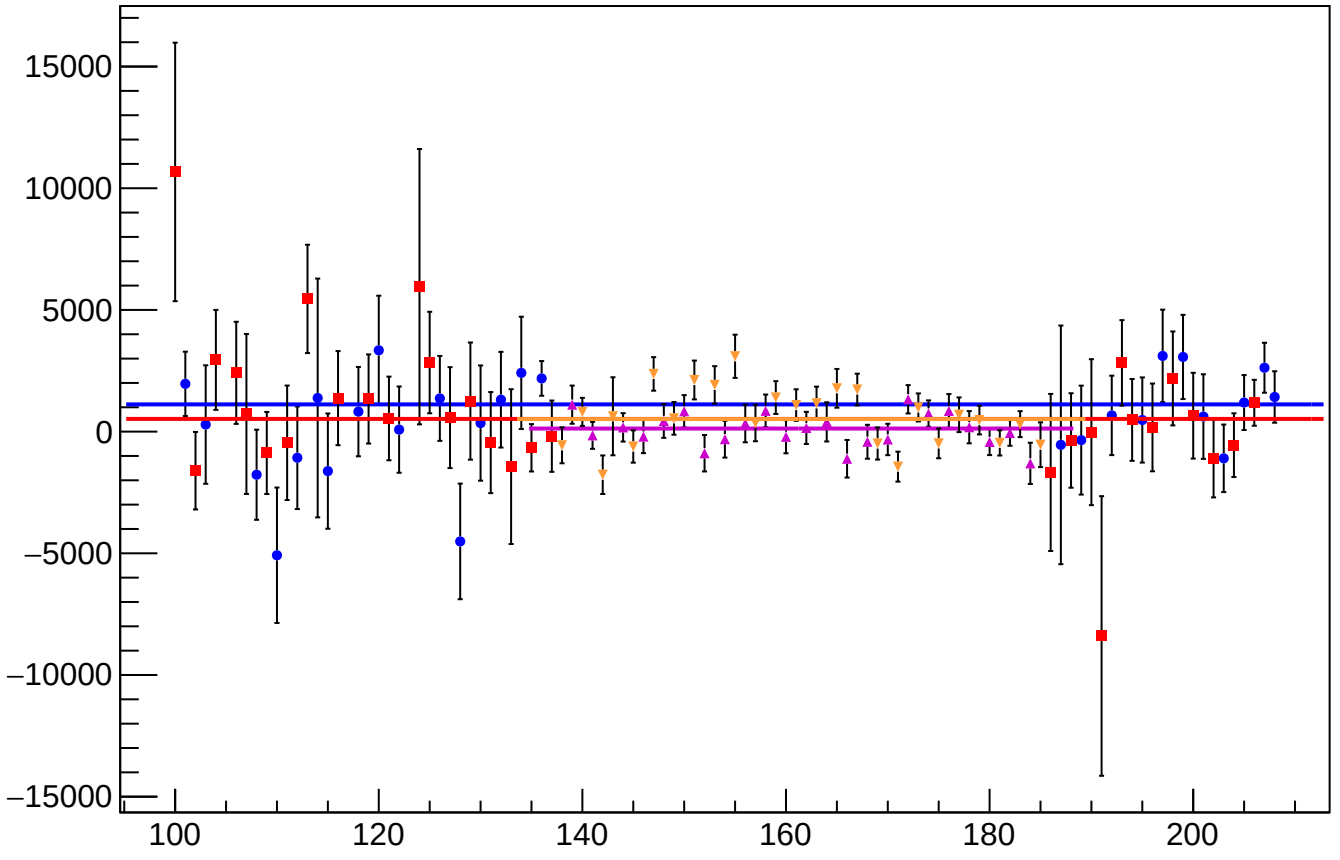
Right Out: 1270.669+/-0.226 χ^2/NDF: 493421.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1249.517+/-0.150 χ^2/NDF: 739752.9/51

All: 1249.918+/-0.106 χ^2/NDF: 1287202.2/10

- sign 1250.326+/-0.151 χ^2/NDF: 547434.9/53



Right In: 1118.543+/-307.805 χ^2/NDF: 28.0/26

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

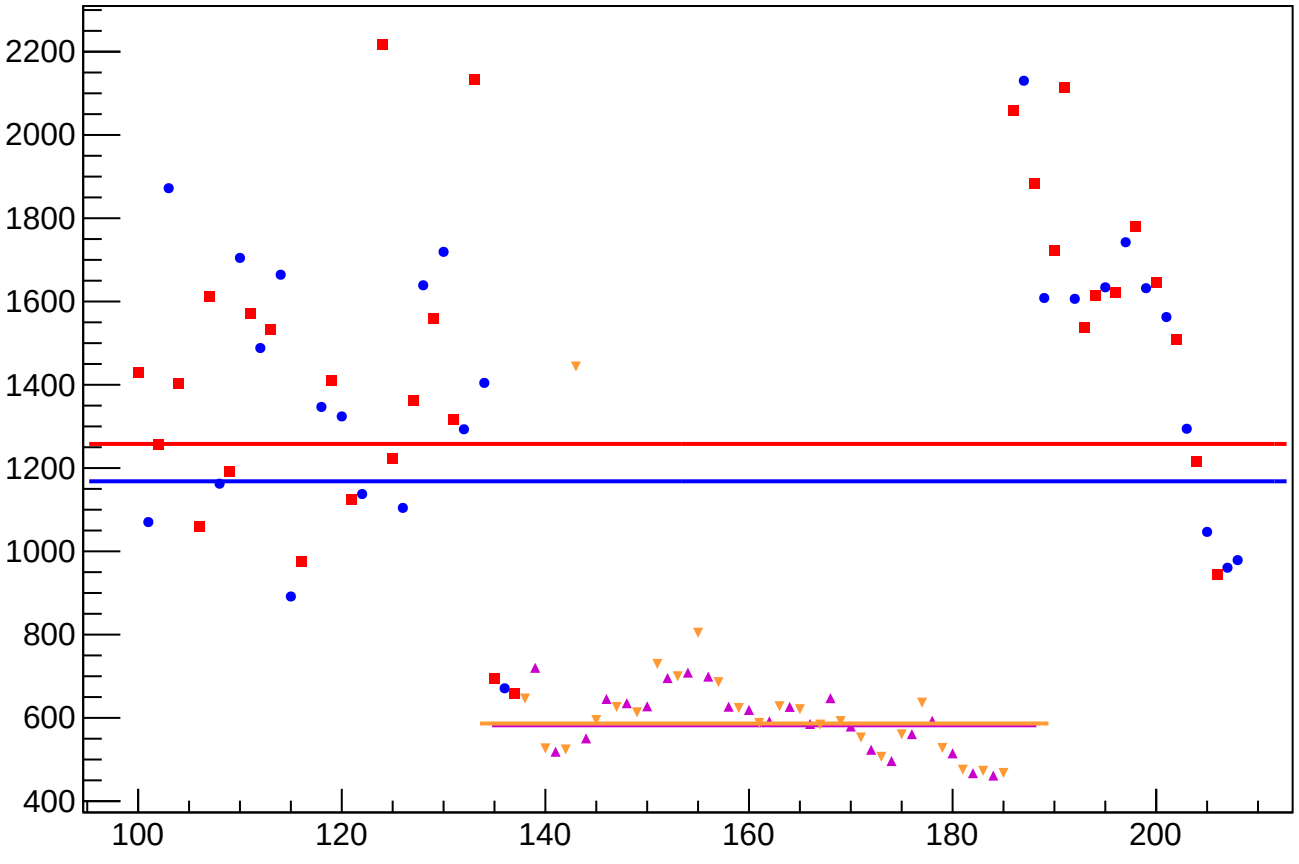
Right Out: 521.783+/-327.419 χ^2/NDF: 26.2/30

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 614.789+/-124.205 χ^2/NDF: 98.2/51

All: 404.294+/-88.658 χ^2/NDF: 153.1/105

- sign 185.631+/-126.591 χ^2/NDF: 49.0/53



Right In: 1168.199+/-0.218 χ^2/NDF: 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

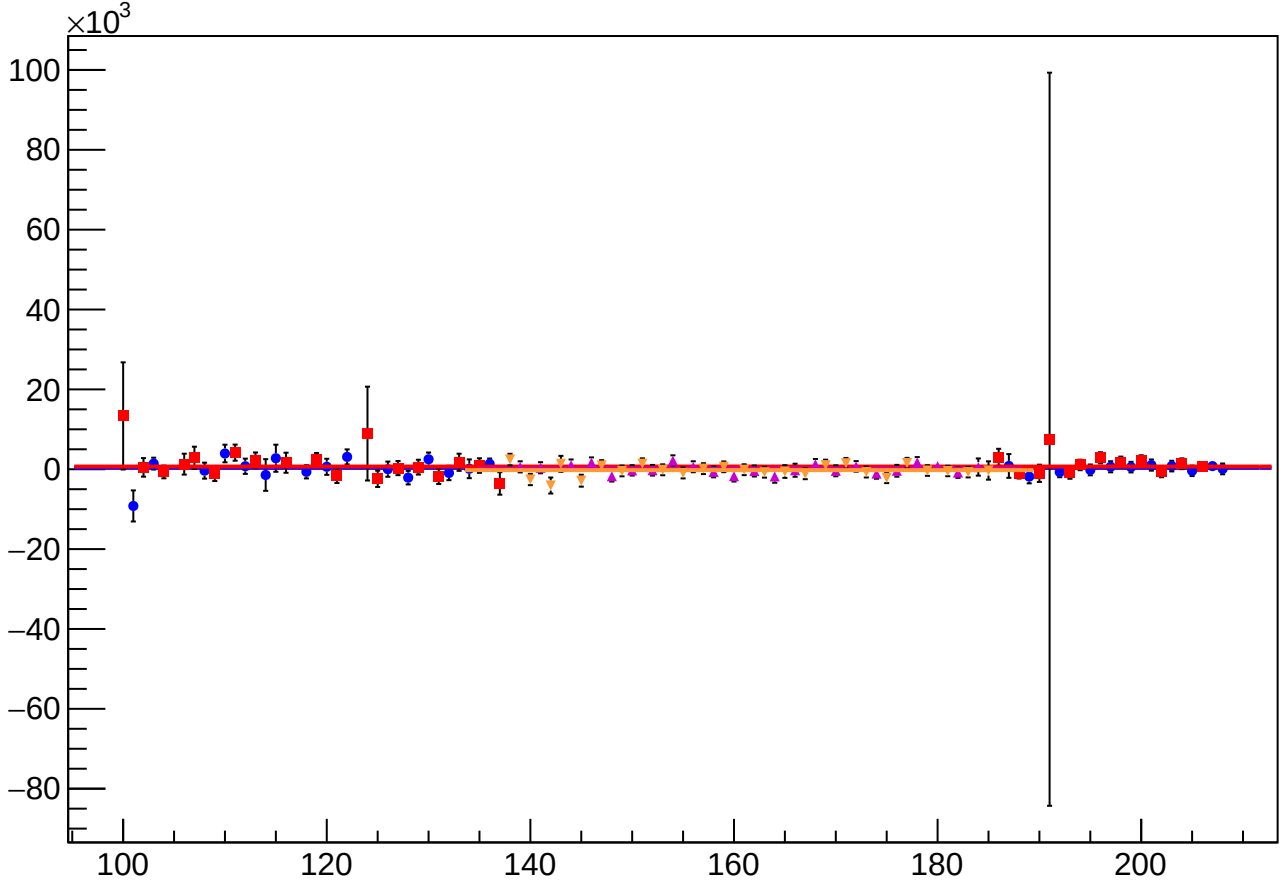
Right Out: 1257.943+/-0.232 χ^2/NDF: 2608519.4/30

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 681.268+/-0.088 χ^2/NDF: 9803510.4/51

All: 682.218+/-0.063 χ^2/NDF: 20217267.3/10

- sign 683.204+/-0.090 χ^2/NDF: 10413518.6/53



Right In: 344.856+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 673.061+/-319.317 χ^2/NDF: 27.3/30

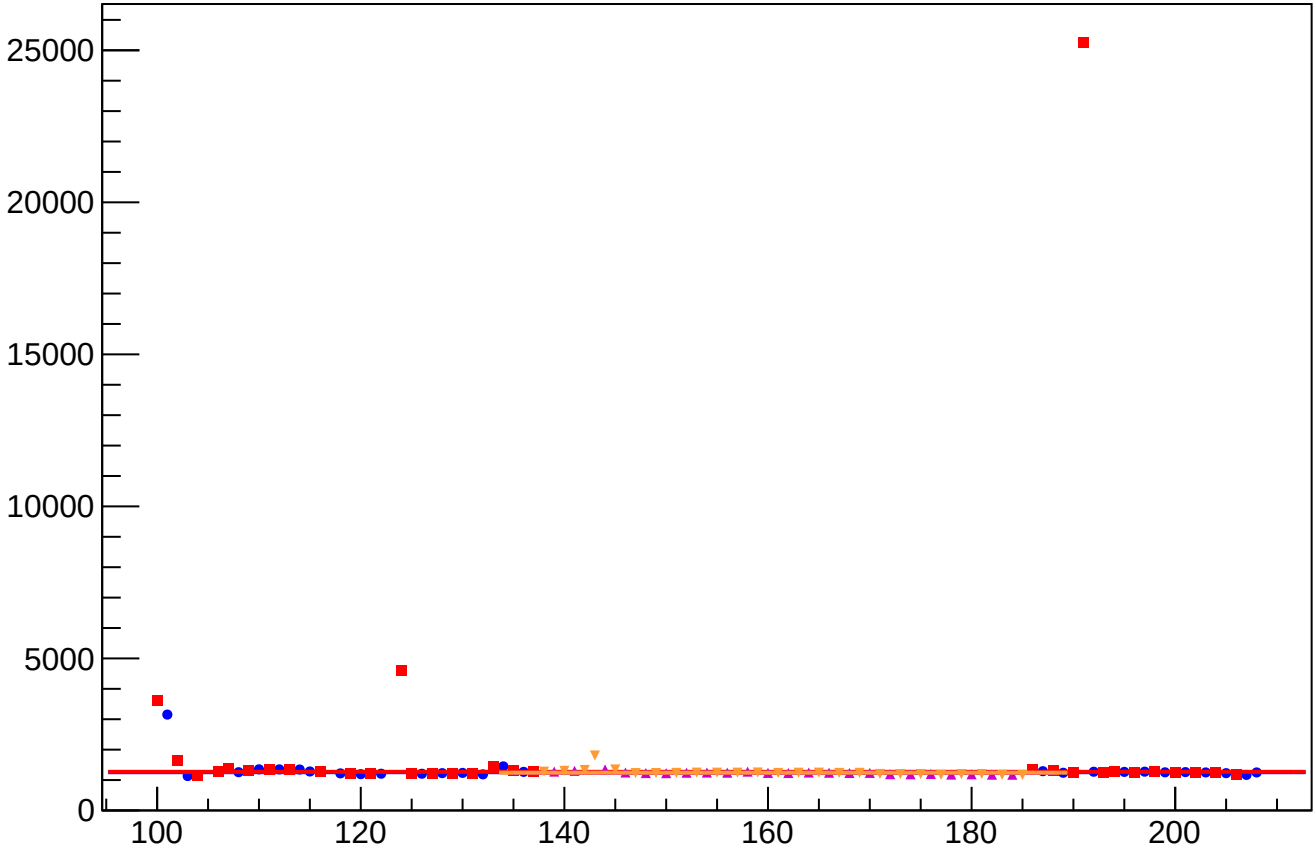
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 28.434+/-211.712 χ^2/NDF: 46.3/51

All: 189.069+/-150.489 χ^2/NDF: 91.4/105

- sign 353.123+/-213.953 χ^2/NDF: 43.8/53

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1258.016+/-0.226 χ^2/NDF: 533915.9/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

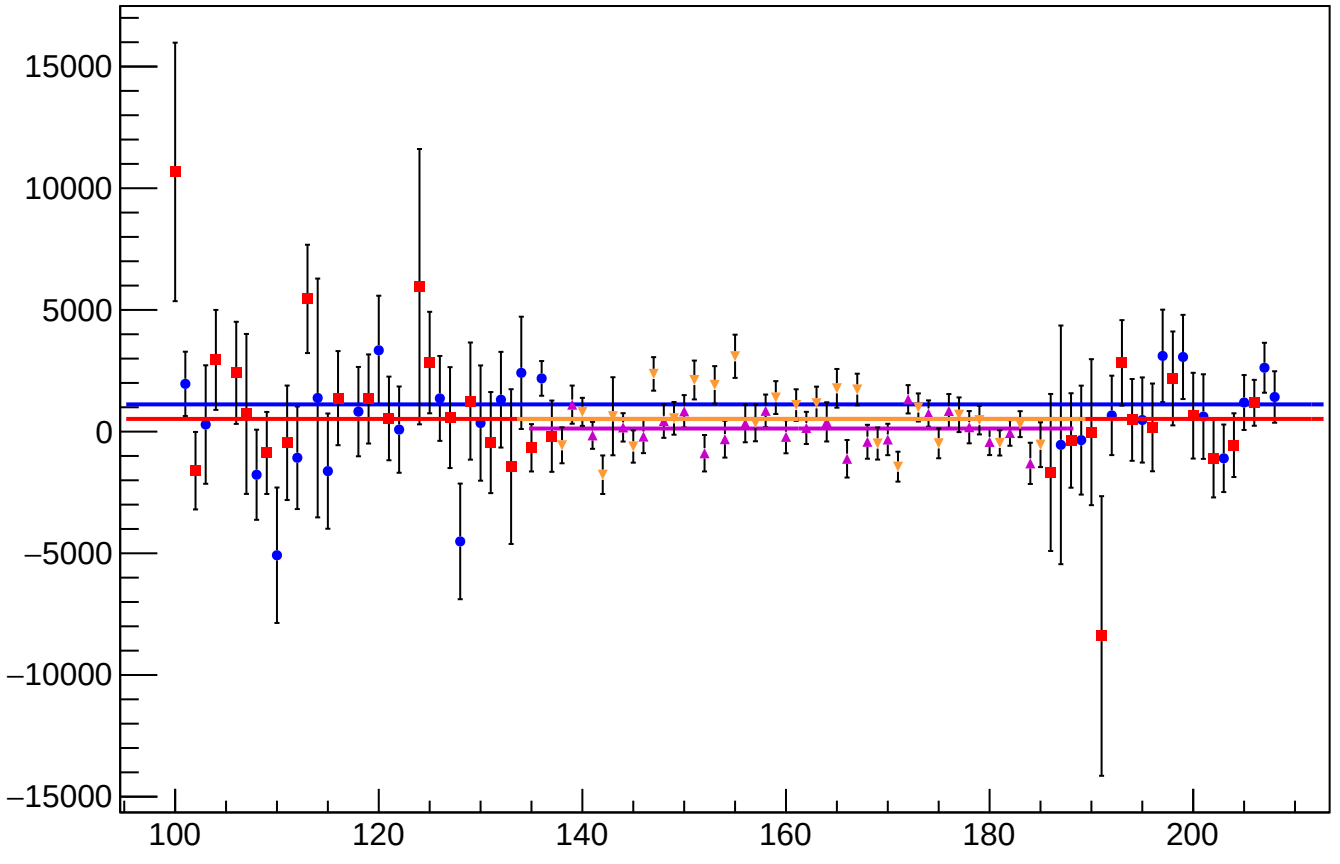
Right Out: 1270.669+/-0.226 χ^2/NDF: 493421.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1249.517+/-0.150 χ^2/NDF: 739752.9/51

All: 1249.918+/-0.106 χ^2/NDF: 1287202.2/10

- sign 1250.326+/-0.151 χ^2/NDF: 547434.9/53



Right In: 1118.543+/-307.805 χ^2/NDF: 28.0/26

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

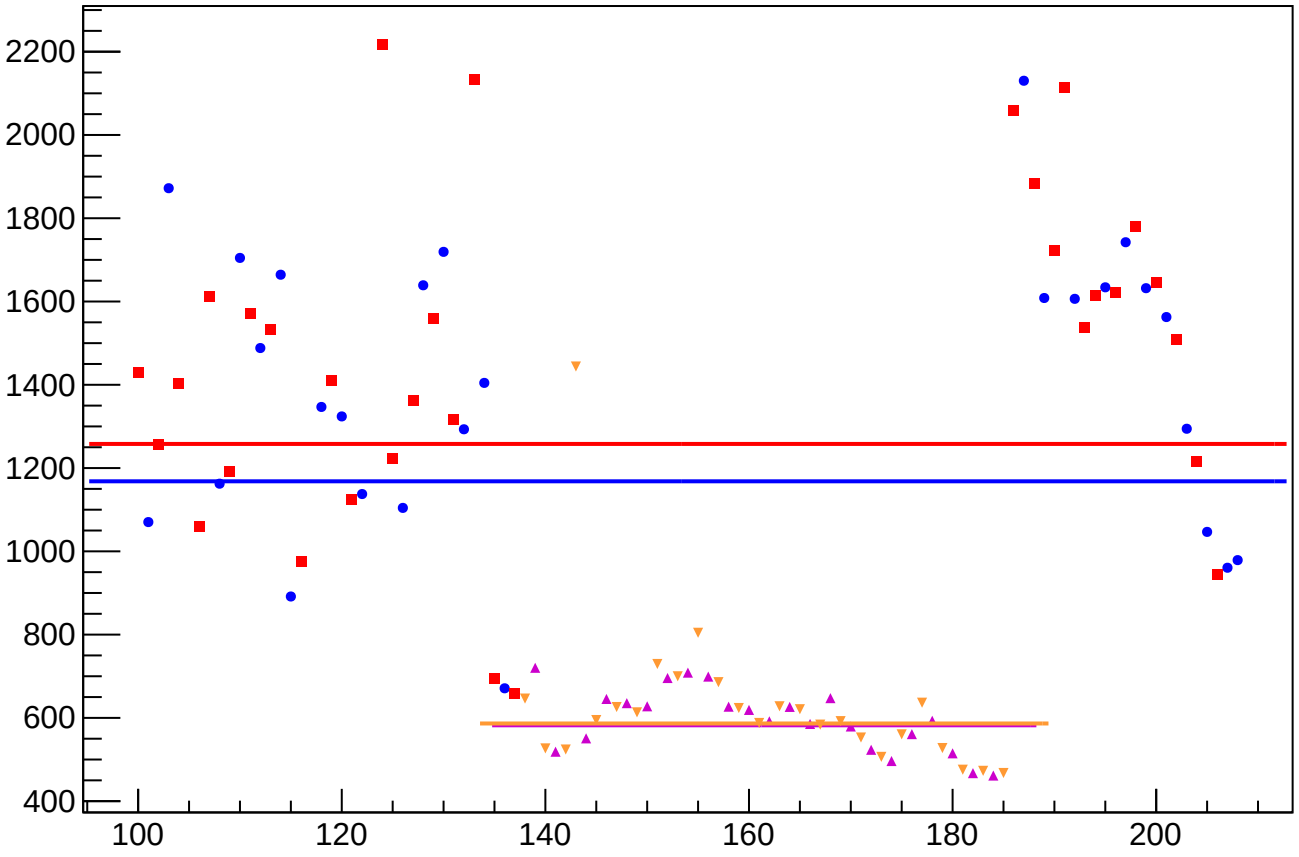
Right Out: 521.783+/-327.419 χ^2/NDF: 26.2/30

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 614.789+/-124.205 χ^2/NDF: 98.2/51

All: 404.294+/-88.658 χ^2/NDF: 153.1/105

- sign 185.631+/-126.591 χ^2/NDF: 49.0/53



Right In: 1168.199+/-0.218 χ^2/NDF: 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1257.943+/-0.232 χ^2/NDF: 2608519.4/30

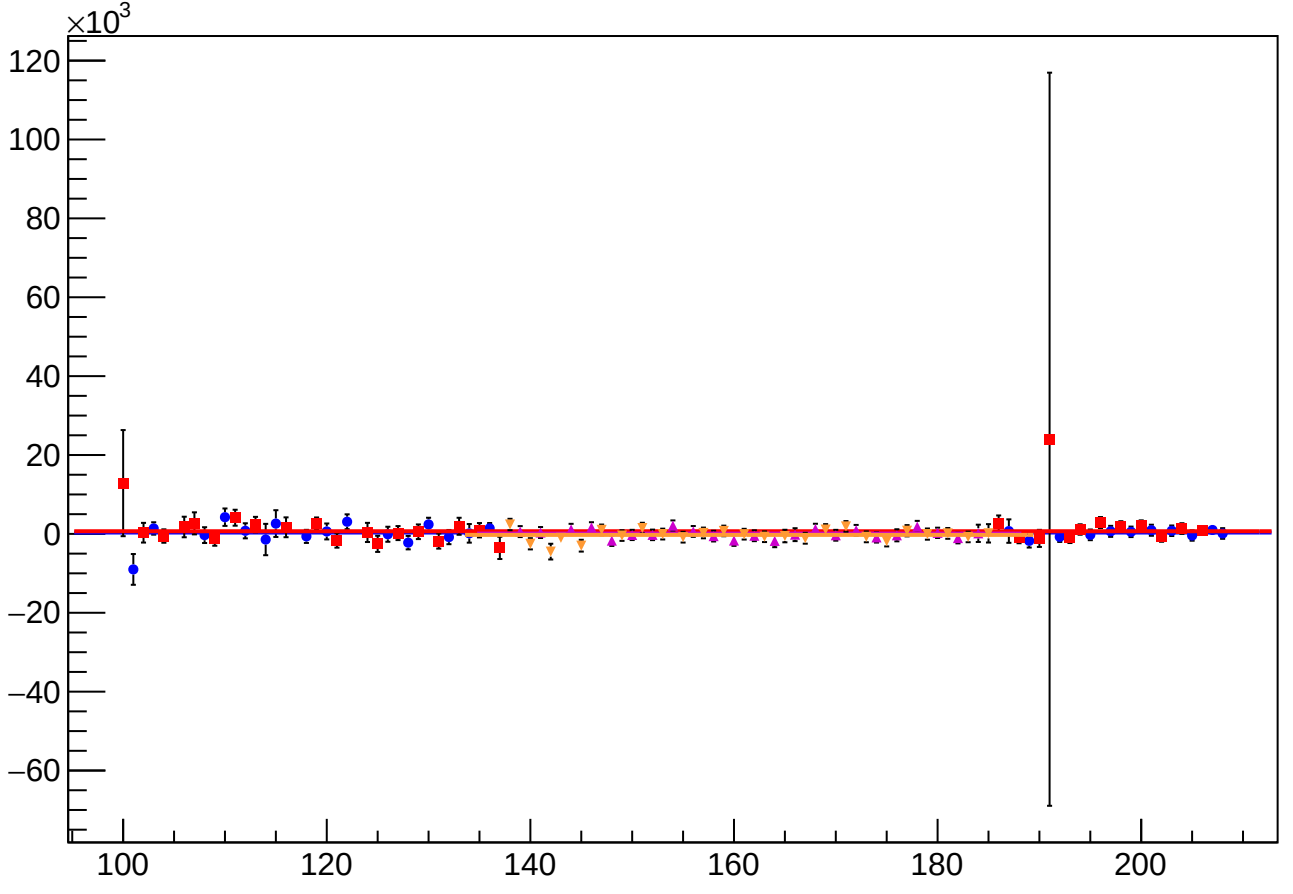
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 681.268+/-0.088 χ^2/NDF: 9803510.4/51

All: 682.218+/-0.063 χ^2/NDF: 20217267.3/10

- sign 683.204+/-0.090 χ^2/NDF: 10413518.6/53

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 348.461+/-320.076 χ^2/NDF: 20.8/26

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 672.726+/-318.435 χ^2/NDF: 26.8/30

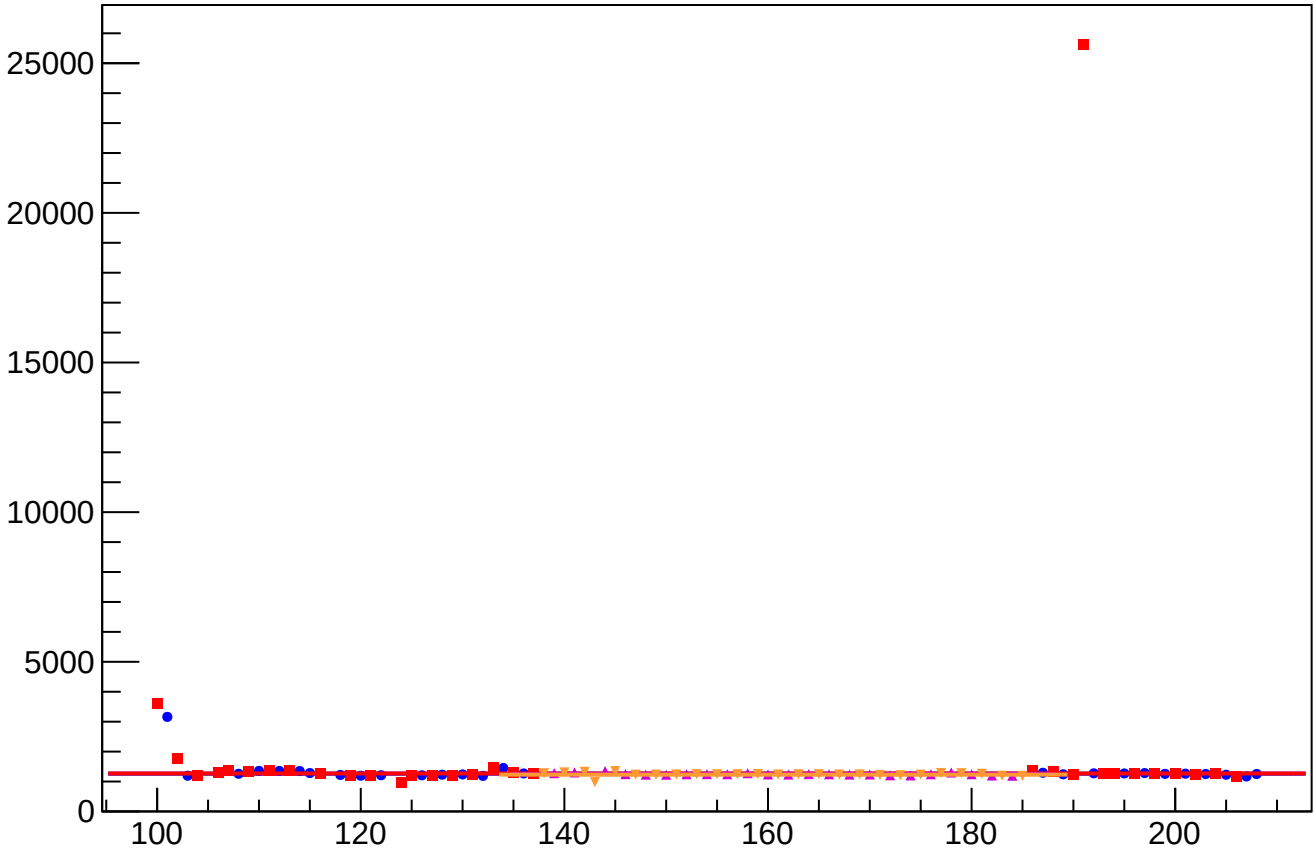
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 8.878+/-210.710 χ^2/NDF: 46.8/51

All: 174.735+/-150.488 χ^2/NDF: 90.8/105

- sign 347.411+/-214.998 χ^2/NDF: 42.8/53

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1262.595+/-0.226 χ^2/NDF: 523974.4/26

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

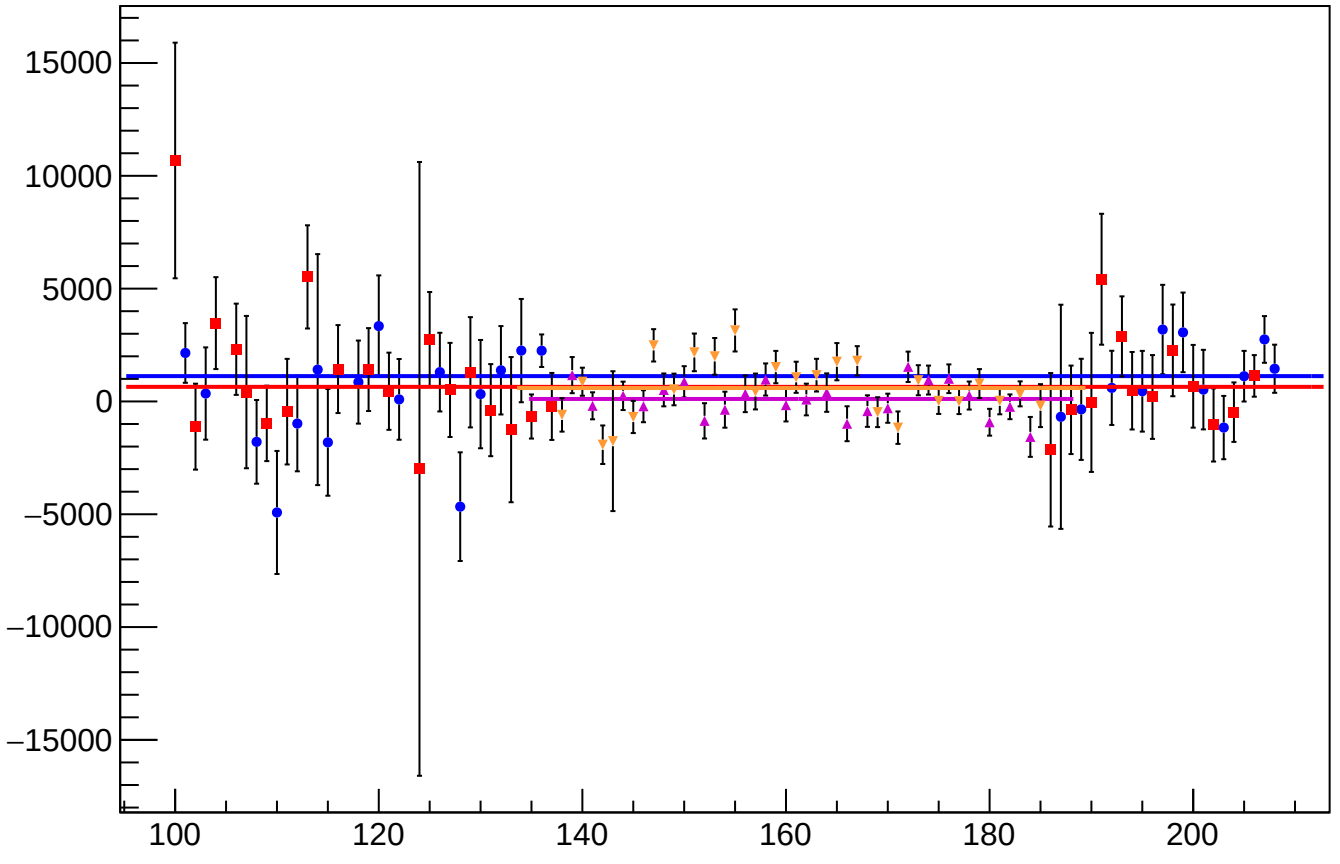
Right Out: 1268.948+/-0.225 χ^2/NDF: 384624.8/30

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1244.118+/-0.149 χ^2/NDF: 677343.9/51

All: 1250.641+/-0.106 χ^2/NDF: 1098028.4/10

- sign 1257.432+/-0.152 χ^2/NDF: 416772.2/53



Right In: 1122.509+/-309.127 χ^2/NDF: 29.0/26

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

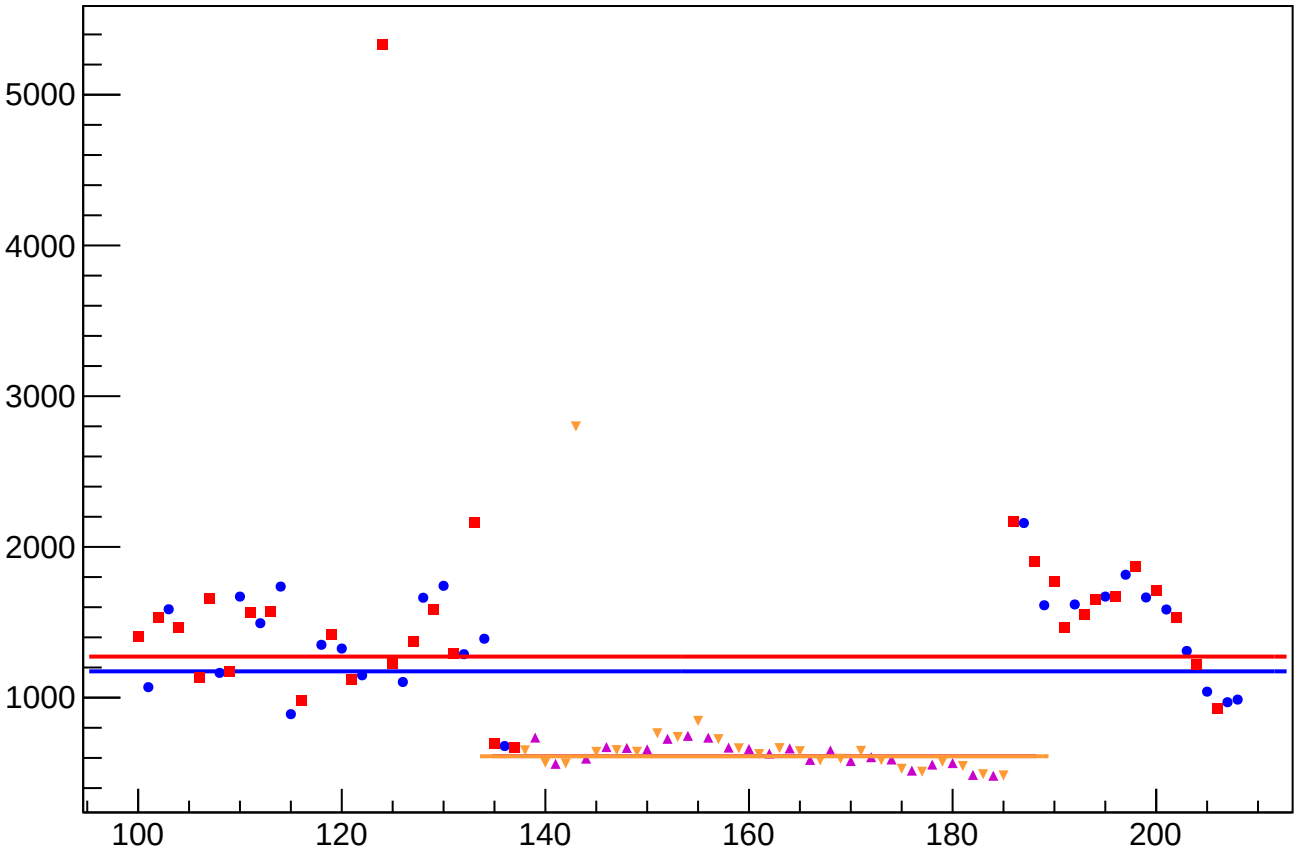
Right Out: 646.367+/-330.082 χ^2/NDF: 25.2/30

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 687.054+/-129.135 χ^2/NDF: 88.7/51

All: 447.321+/-92.365 χ^2/NDF: 148.9/105

- sign 196.203+/-132.166 χ^2/NDF: 53.1/53



Right In: 1174.511+/-0.219 χ^2/NDF: 2565824.2/26

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

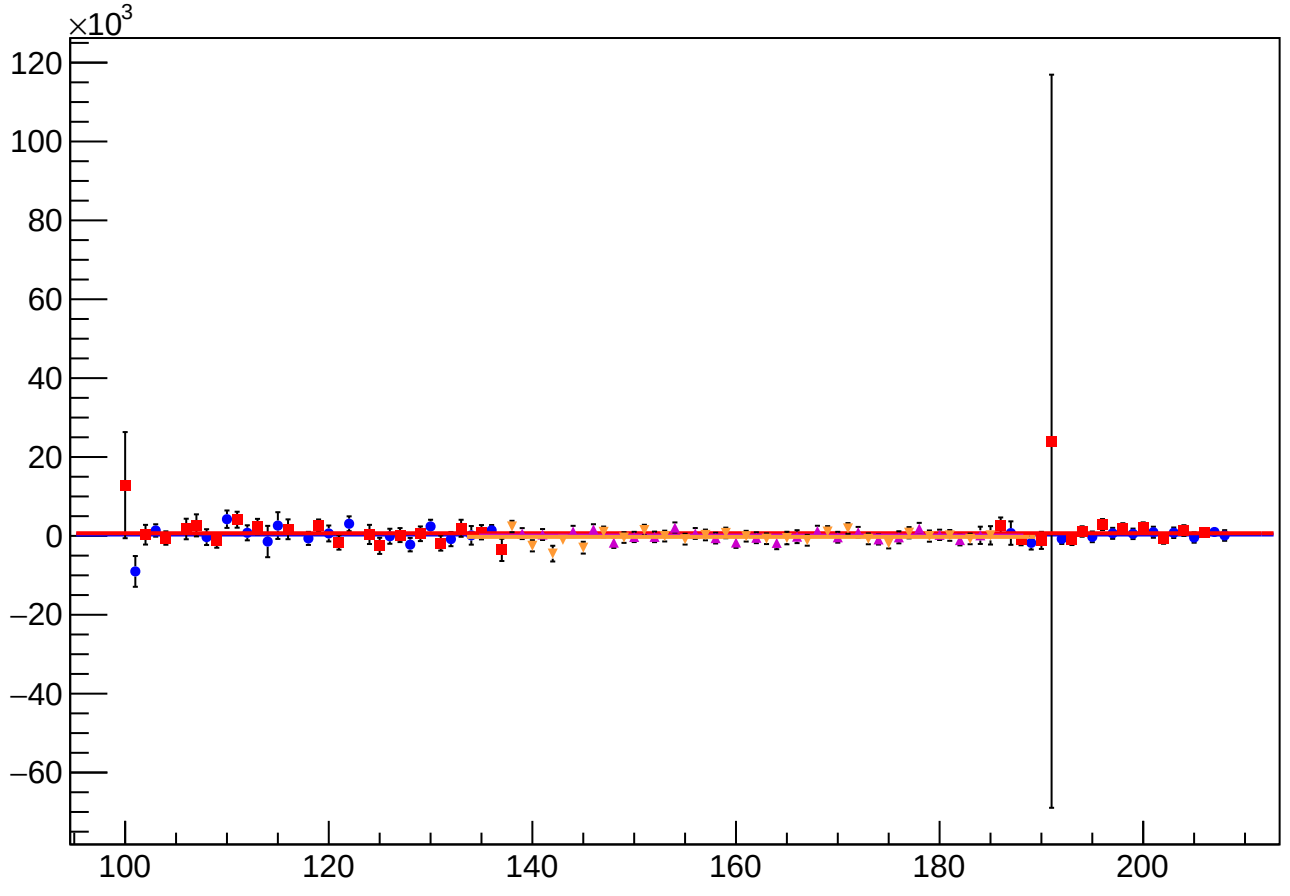
Right Out: 1272.435+/-0.233 χ^2/NDF: 2900084.3/30

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 709.408+/-0.091 χ^2/NDF: 9669688.5/51

All: 713.711+/-0.065 χ^2/NDF: 19797724.0/10

- sign 718.217+/-0.093 χ^2/NDF: 10123490.1/53



Right In: 348.460+/-320.076 χ^2/NDF: 20.8/26

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 672.725+/-318.435 χ^2/NDF: 26.8/30

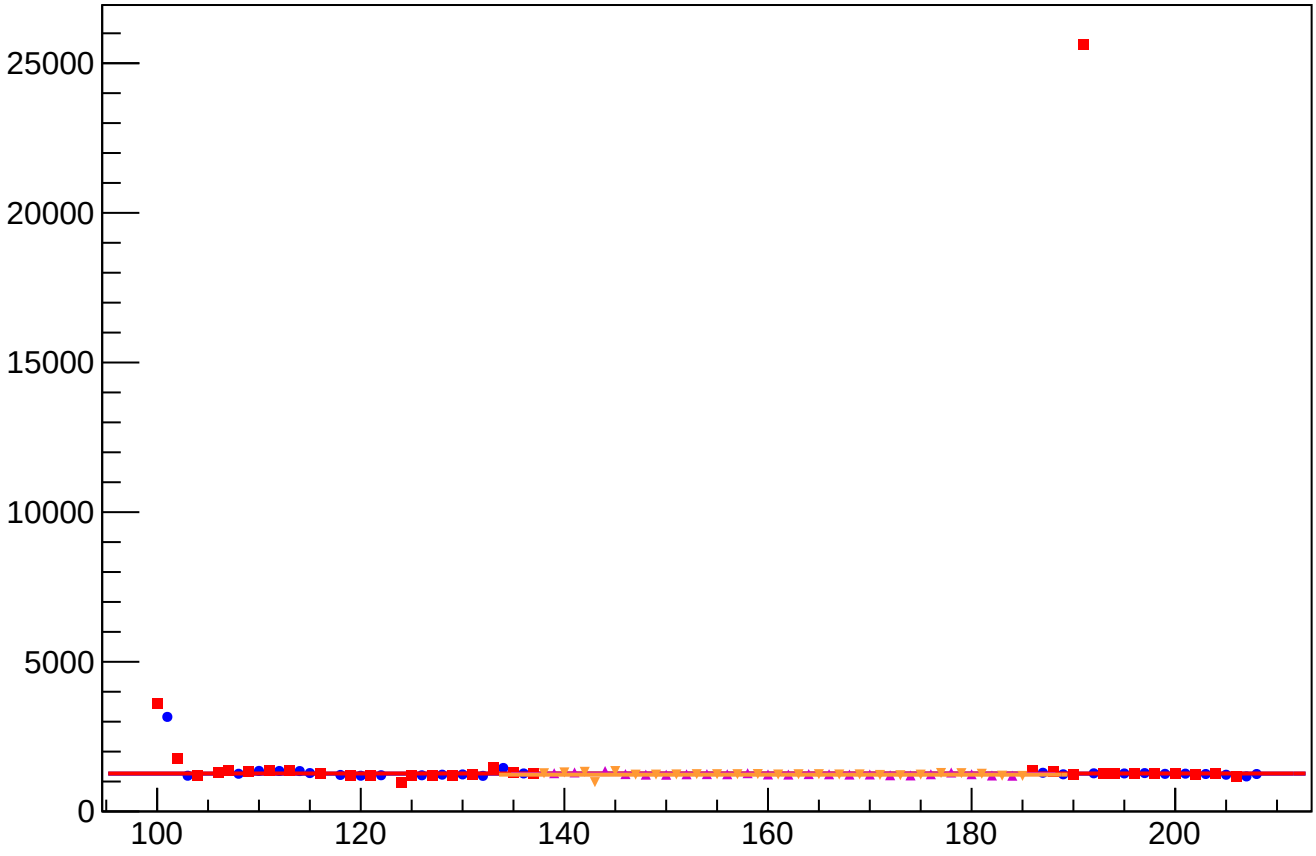
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 8.876+/-210.710 χ^2/NDF: 46.8/51

All: 174.734+/-150.488 χ^2/NDF: 90.8/105

- sign 347.411+/-214.998 χ^2/NDF: 42.8/53

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1262.595+/-0.226 χ^2/NDF: 523974.5/26

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

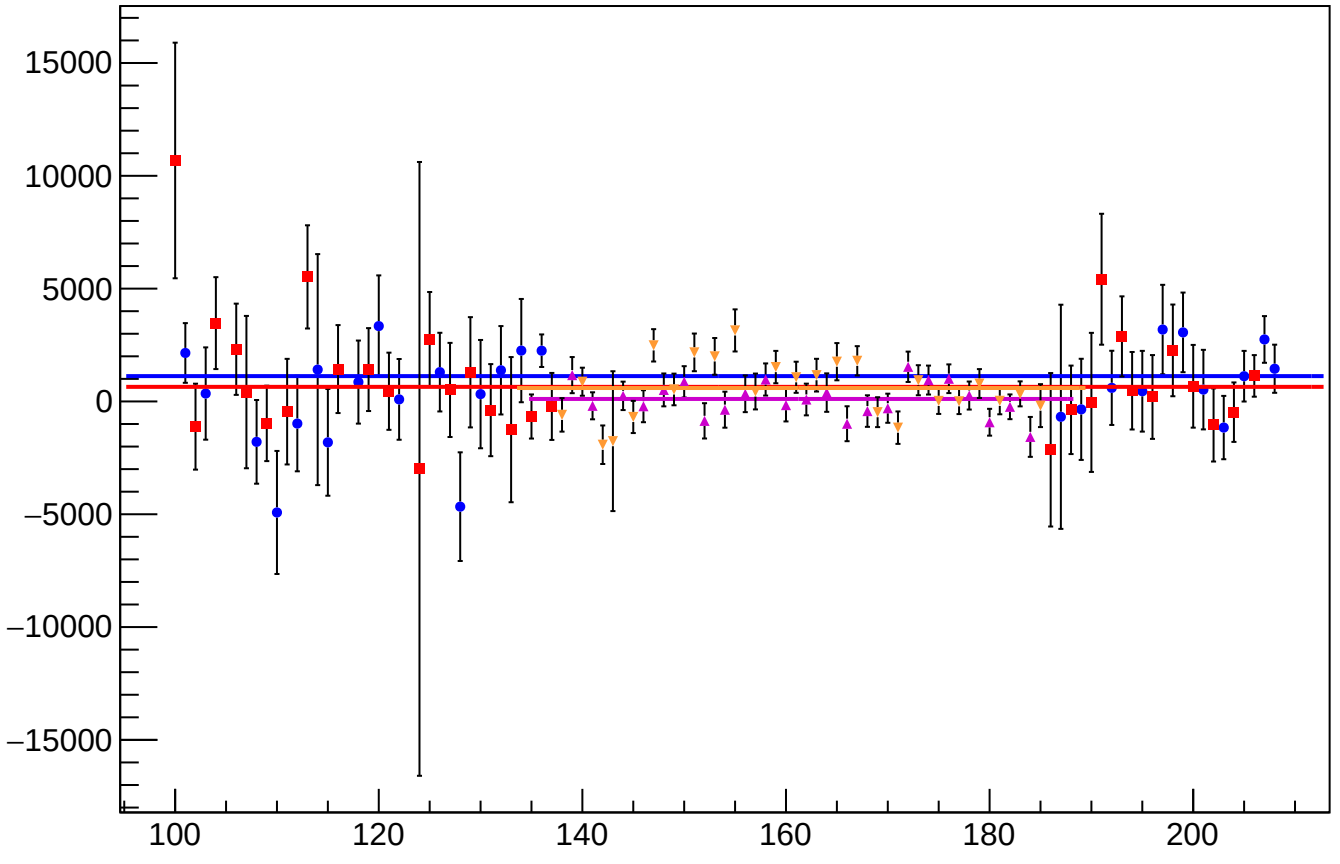
Right Out: 1268.948+/-0.225 χ^2/NDF: 384624.6/30

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1244.118+/-0.149 χ^2/NDF: 677343.0/51

All: 1250.641+/-0.106 χ^2/NDF: 1098027.3/10

- sign 1257.432+/-0.152 χ^2/NDF: 416772.0/53



Right In: 1122.507+/-309.127 χ^2/NDF: 29.0/26

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

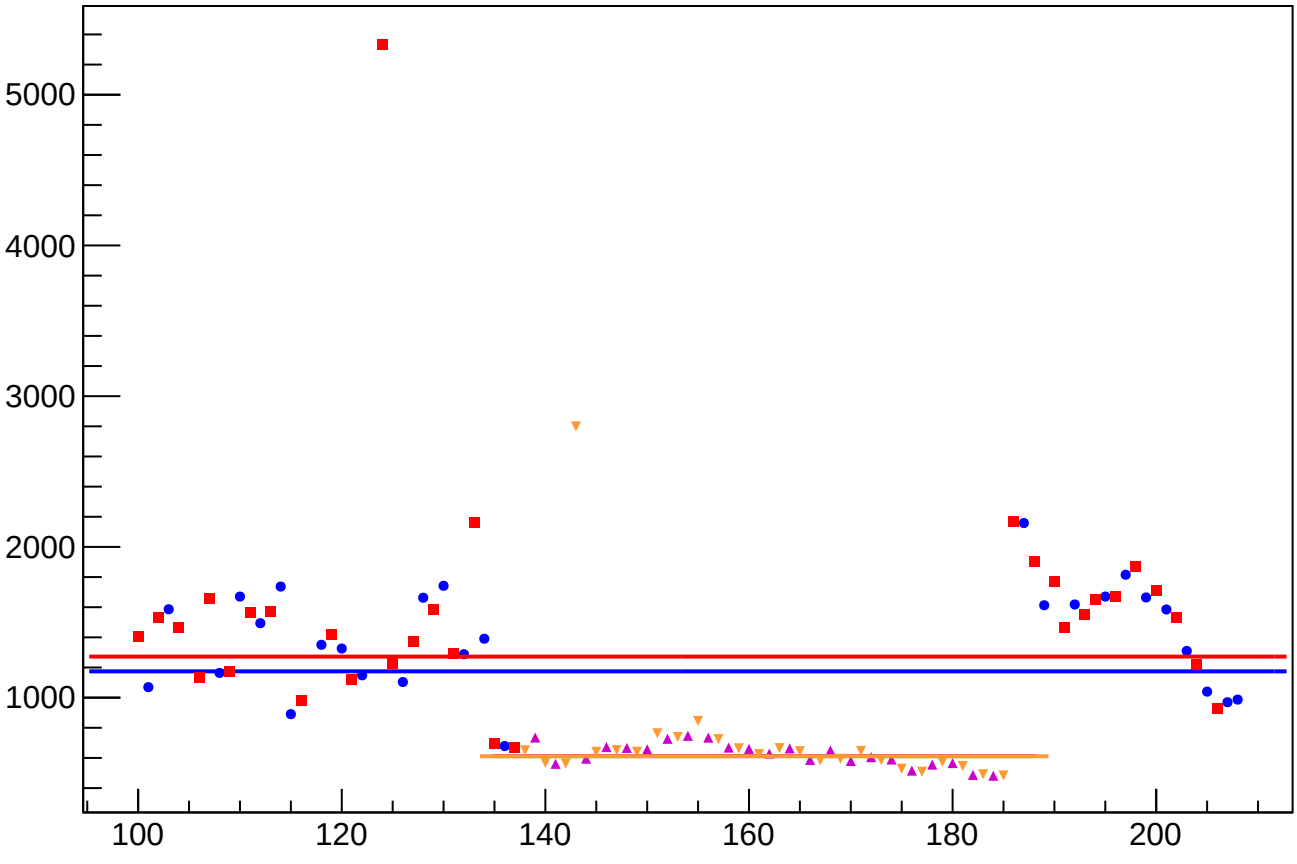
Right Out: 646.374+/-330.083 χ^2/NDF: 25.2/30

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 687.054+/-129.135 χ^2/NDF: 88.7/51

All: 447.321+/-92.365 χ^2/NDF: 148.9/105

- sign 196.203+/-132.166 χ^2/NDF: 53.1/53



Right In: 1174.513+/-0.219 χ^2/NDF: 2565767.1/26

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1272.438+/-0.233 χ^2/NDF: 2900033.6/30

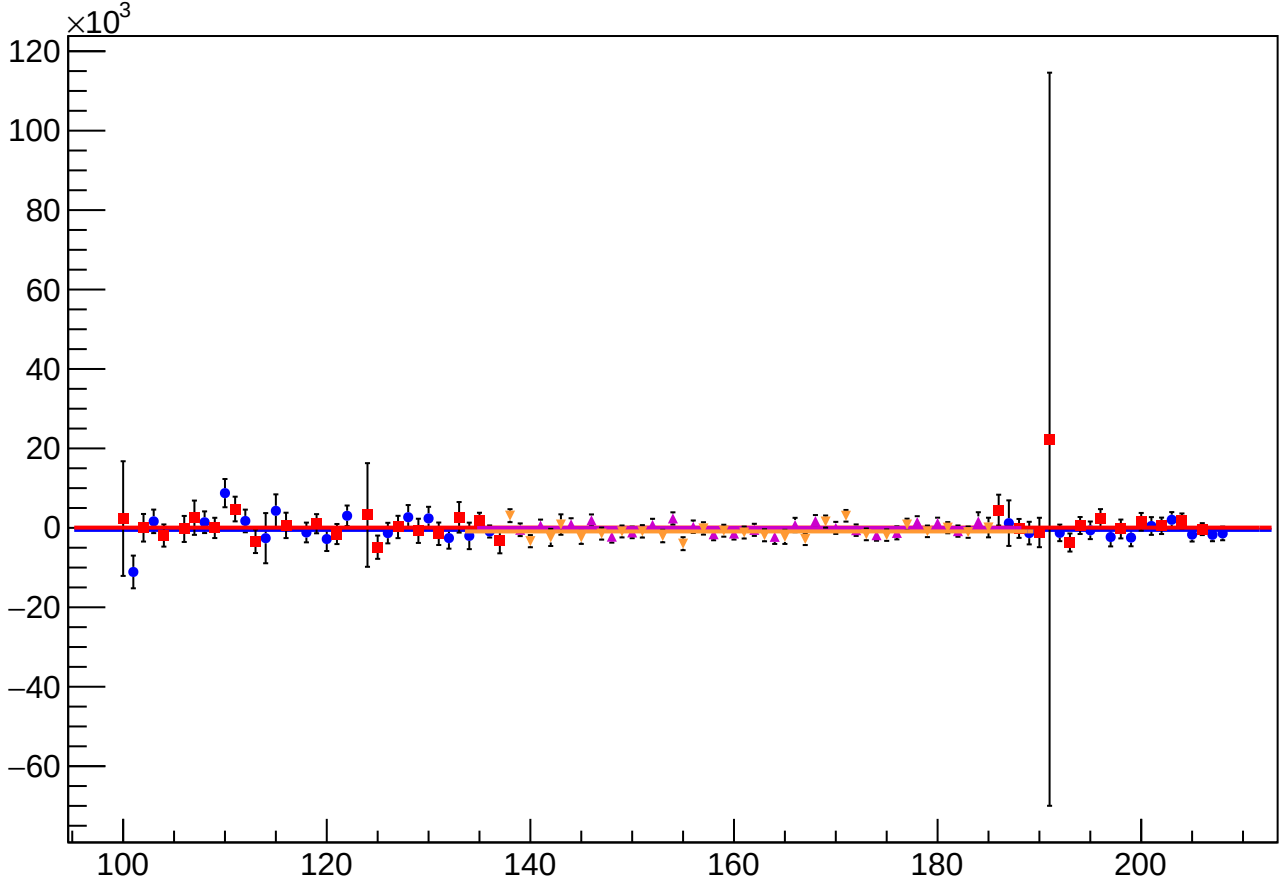
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 709.408+/-0.091 χ^2/NDF: 9669662.7/51

All: 713.710+/-0.065 χ^2/NDF: 19797704.0/10

- sign 718.217+/-0.093 χ^2/NDF: 10123496.4/53

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -515.327+/-469.100 χ^2/NDF: 27.0/26

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 60.104+/-482.403 χ^2/NDF: 17.2/30

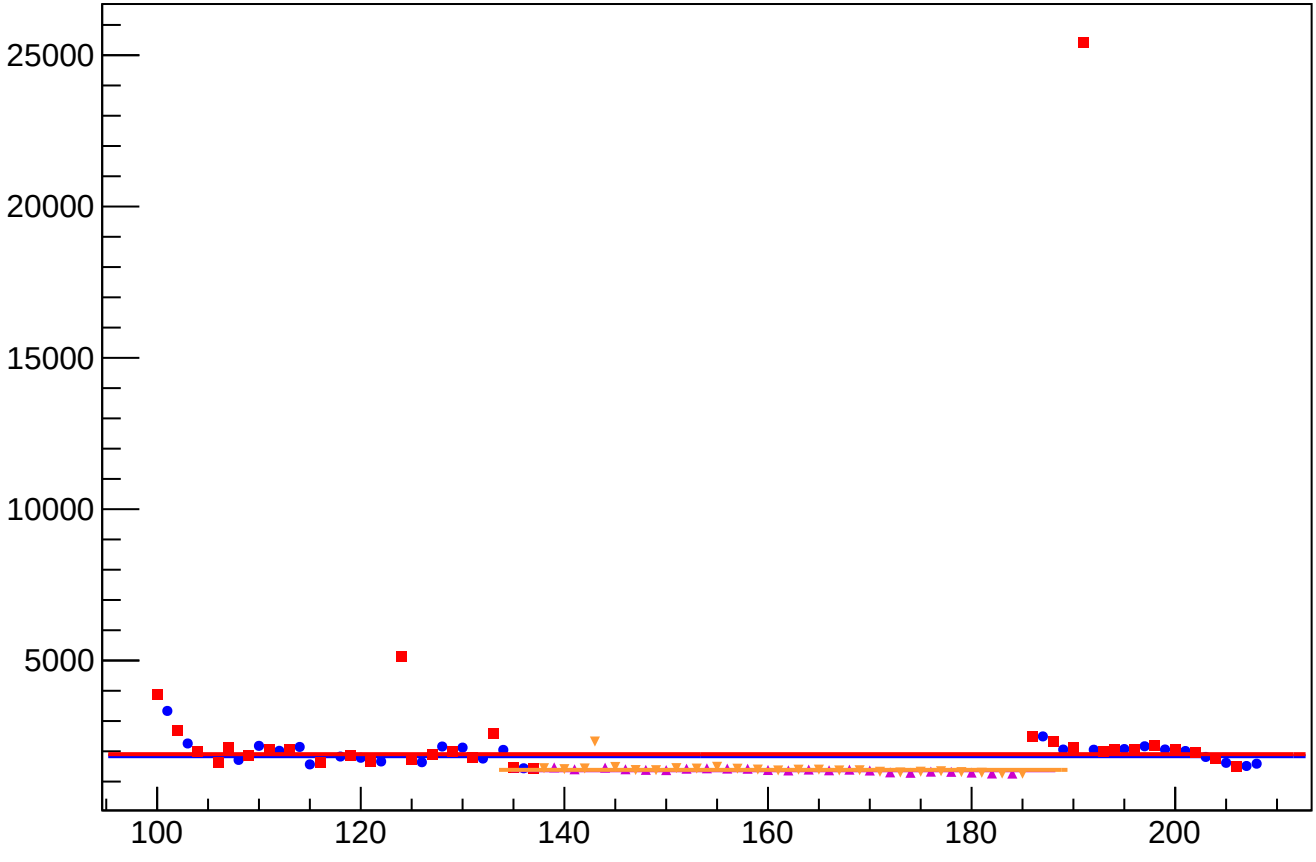
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -779.622+/-262.339 χ^2/NDF: 57.3/51

All: -404.310+/-187.197 χ^2/NDF: 96.6/105

- sign -14.957+/-267.201 χ^2/NDF: 35.1/53

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1838.153+/-0.332 χ^2/NDF: 863262.8/26

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

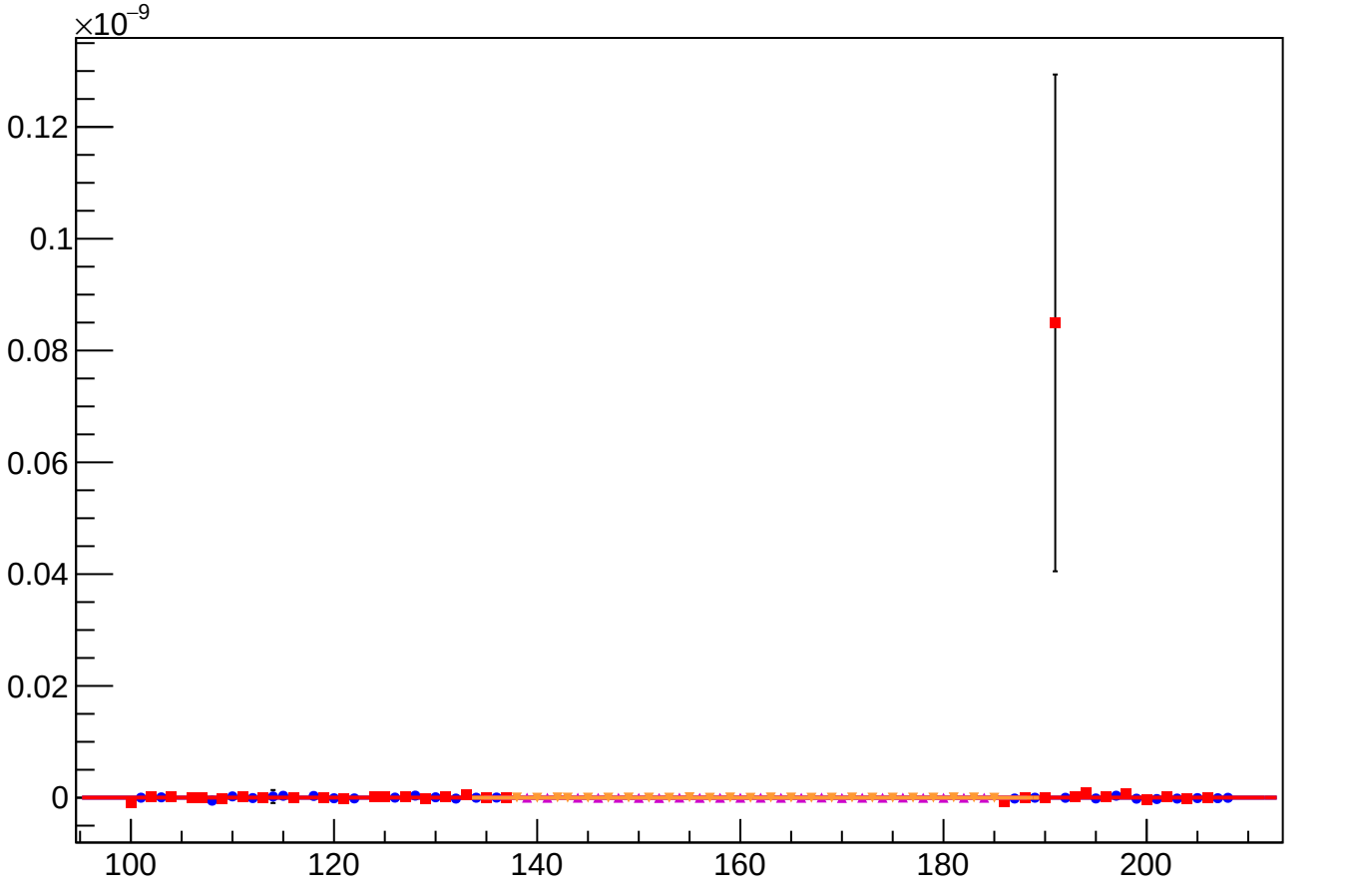
Right Out: 1905.838+/-0.341 χ^2/NDF: 991223.5/30

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1527.990+/-0.186 χ^2/NDF: 2475277.4/51

All: 1532.229+/-0.132 χ^2/NDF: 5222117.1/10

- sign 1536.626+/-0.189 χ^2/NDF: 2745775.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

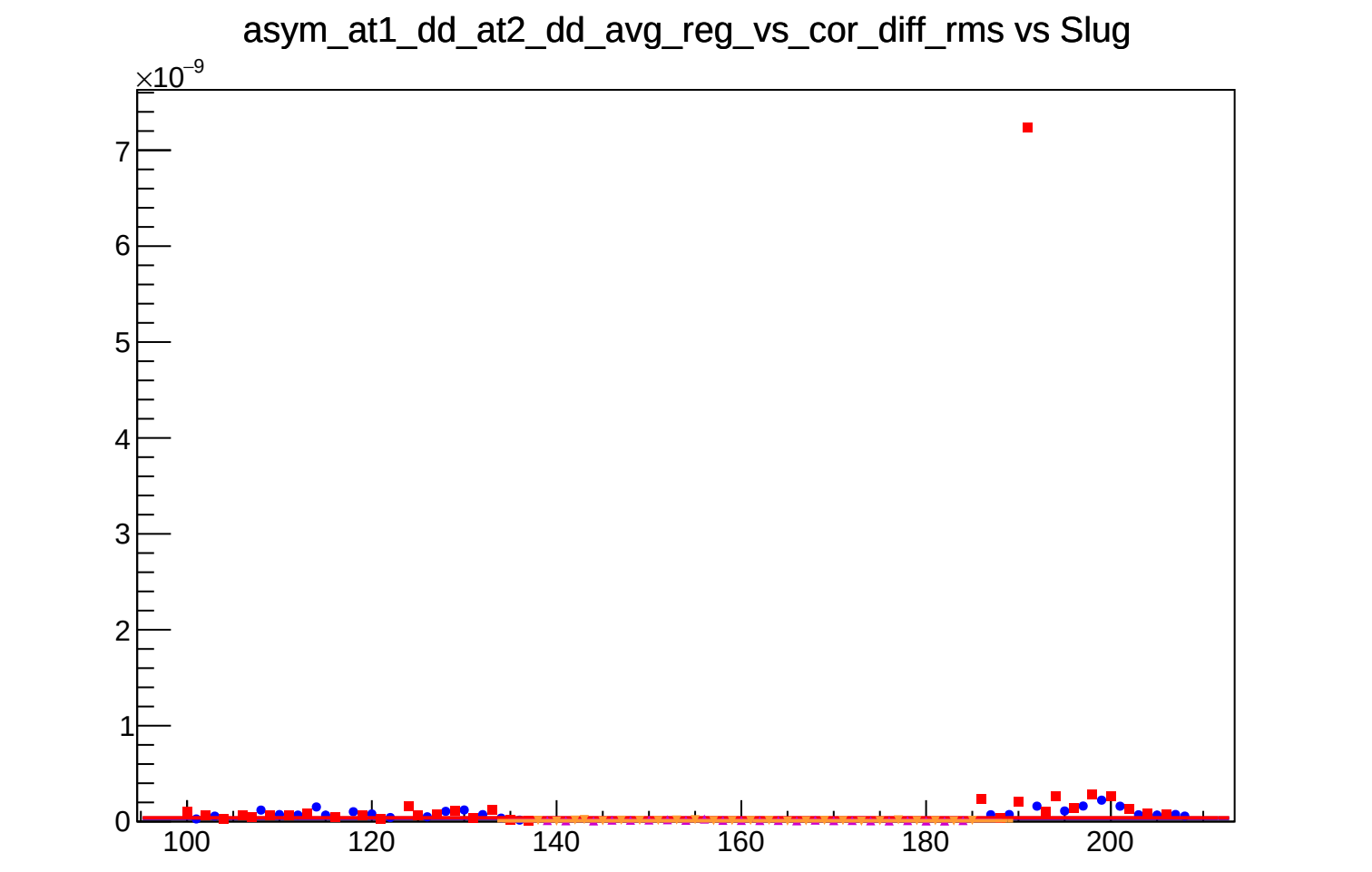
Right Out: 0.000+/-0.000 χ^2/NDF: 46.1/30

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.9/51

All: 0.000+/-0.000 χ^2/NDF: 109.2/105

- sign -0.000+/-0.000 χ^2/NDF: 60.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 6001472.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

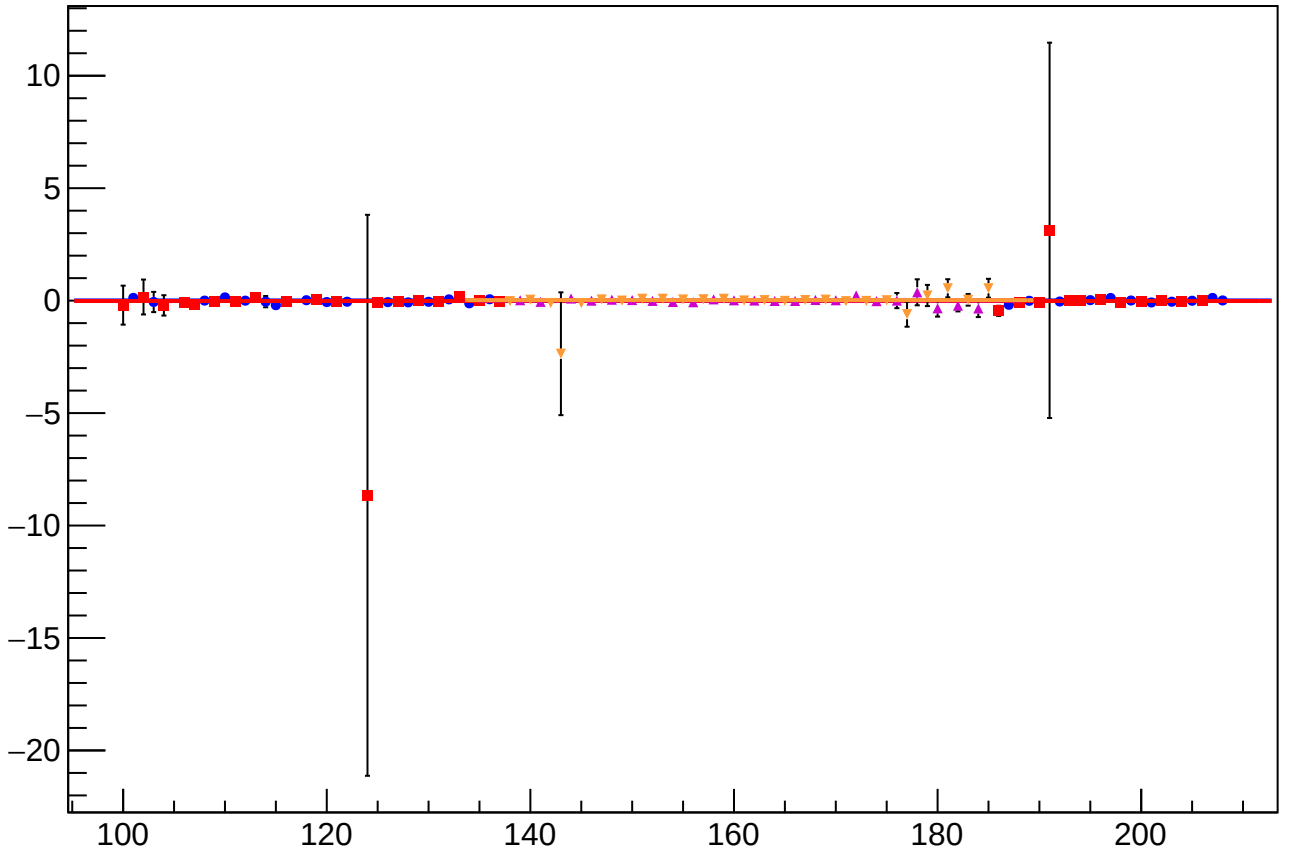
Right Out: 0.000+/-0.000 χ^2/NDF: 6427018.8/30

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12239215.0/51

All: 0.000+/-0.000 χ^2/NDF: 24002001.2/105

- sign 0.000+/-0.000 χ^2/NDF: 11504039.2/53



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.011 χ^2/NDF: 22.5/30

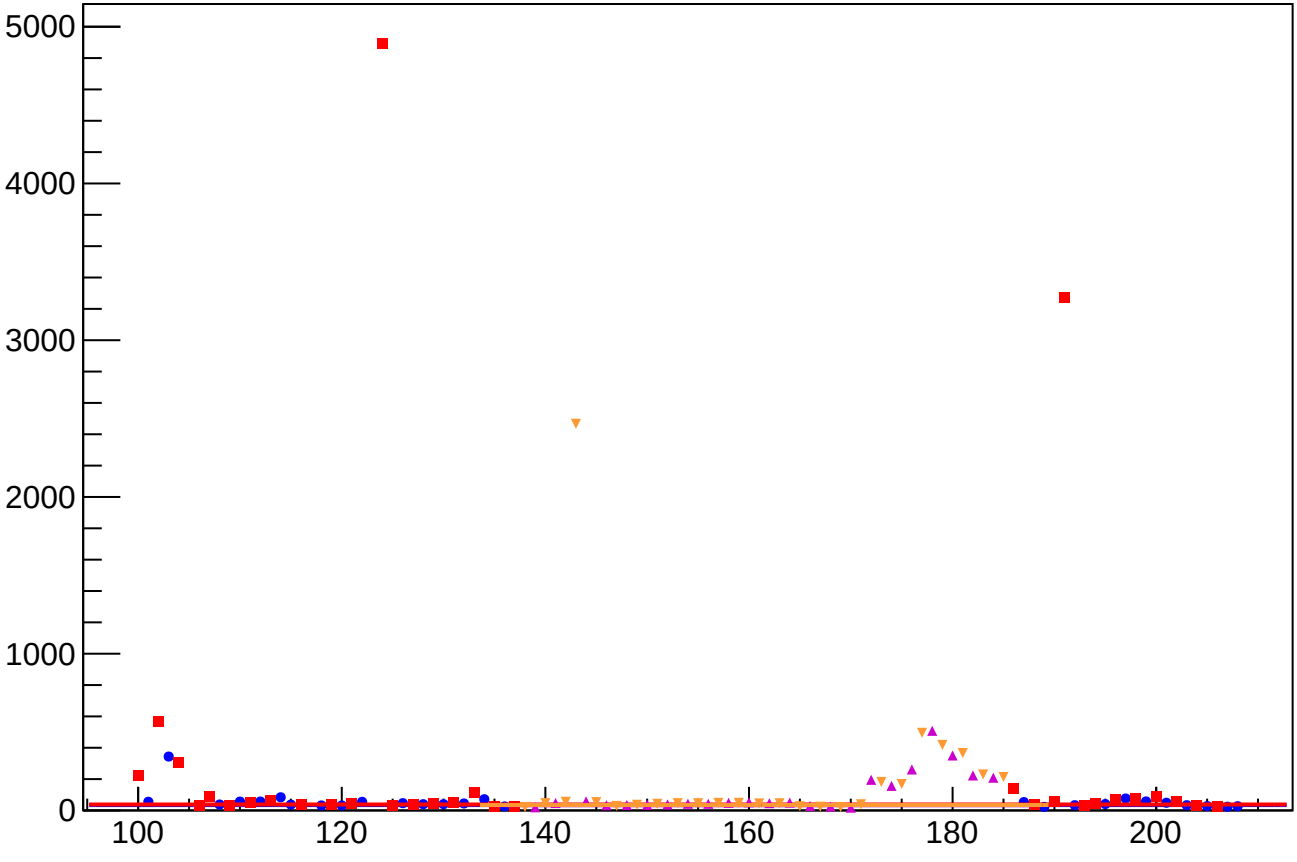
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 66.0/51

All: 0.007+/-0.005 χ^2/NDF: 109.4/105

- sign -0.002+/-0.007 χ^2/NDF: 40.4/53

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.255+/-0.007 χ^2/NDF: 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

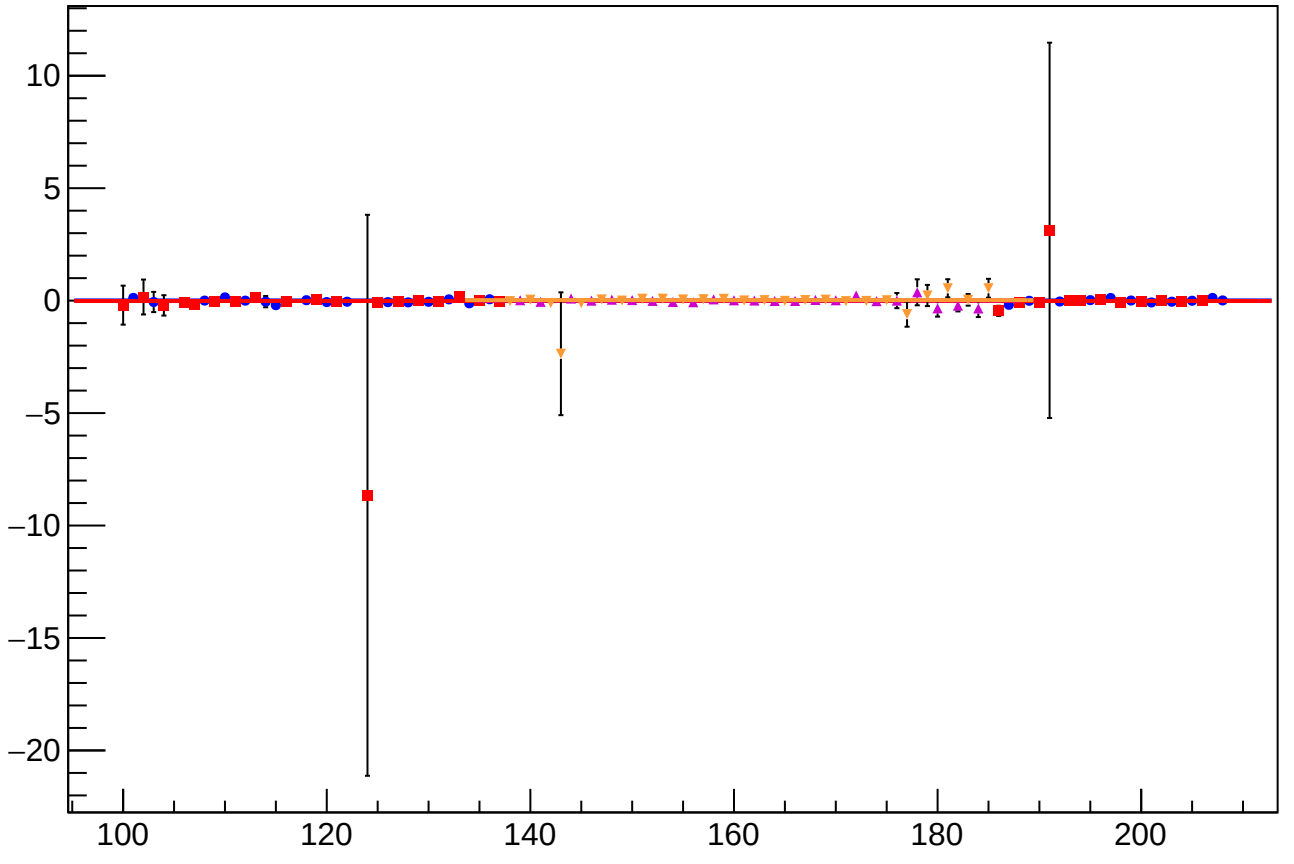
Right Out: 38.062+/-0.008 χ^2/NDF: 5845374.8/30

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 34.436+/-0.005 χ^2/NDF: 14964426.0/51

All: 34.960+/-0.004 χ^2/NDF: 31075495.0/105

- sign 35.534+/-0.005 χ^2/NDF: 16088509.5/53



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

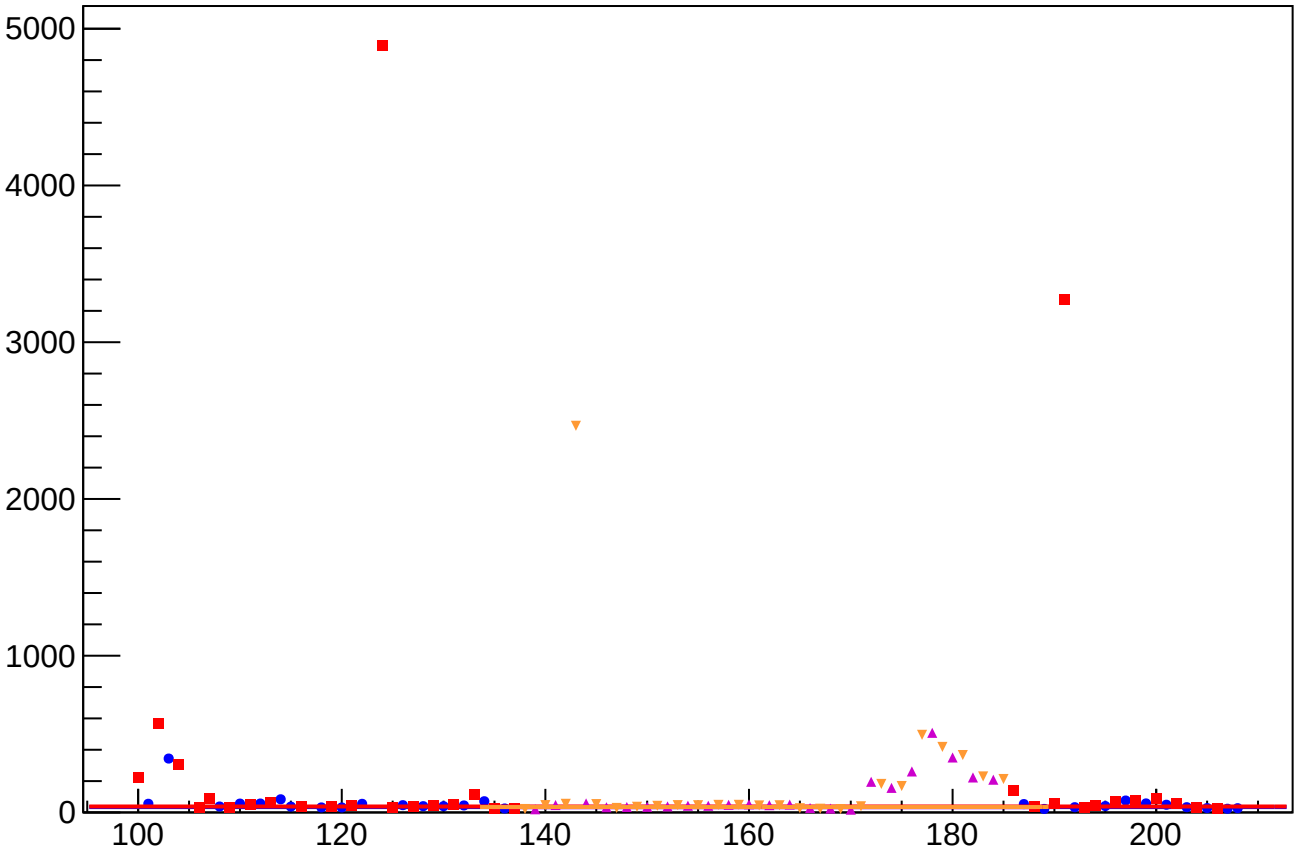
Right Out: -0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 66.0/51

All: 0.007+/-0.005 χ^2/NDF: 109.4/105

- sign -0.002+/-0.007 χ^2/NDF: 40.4/53



Right In: 34.255+/-0.007 χ^2/NDF: 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

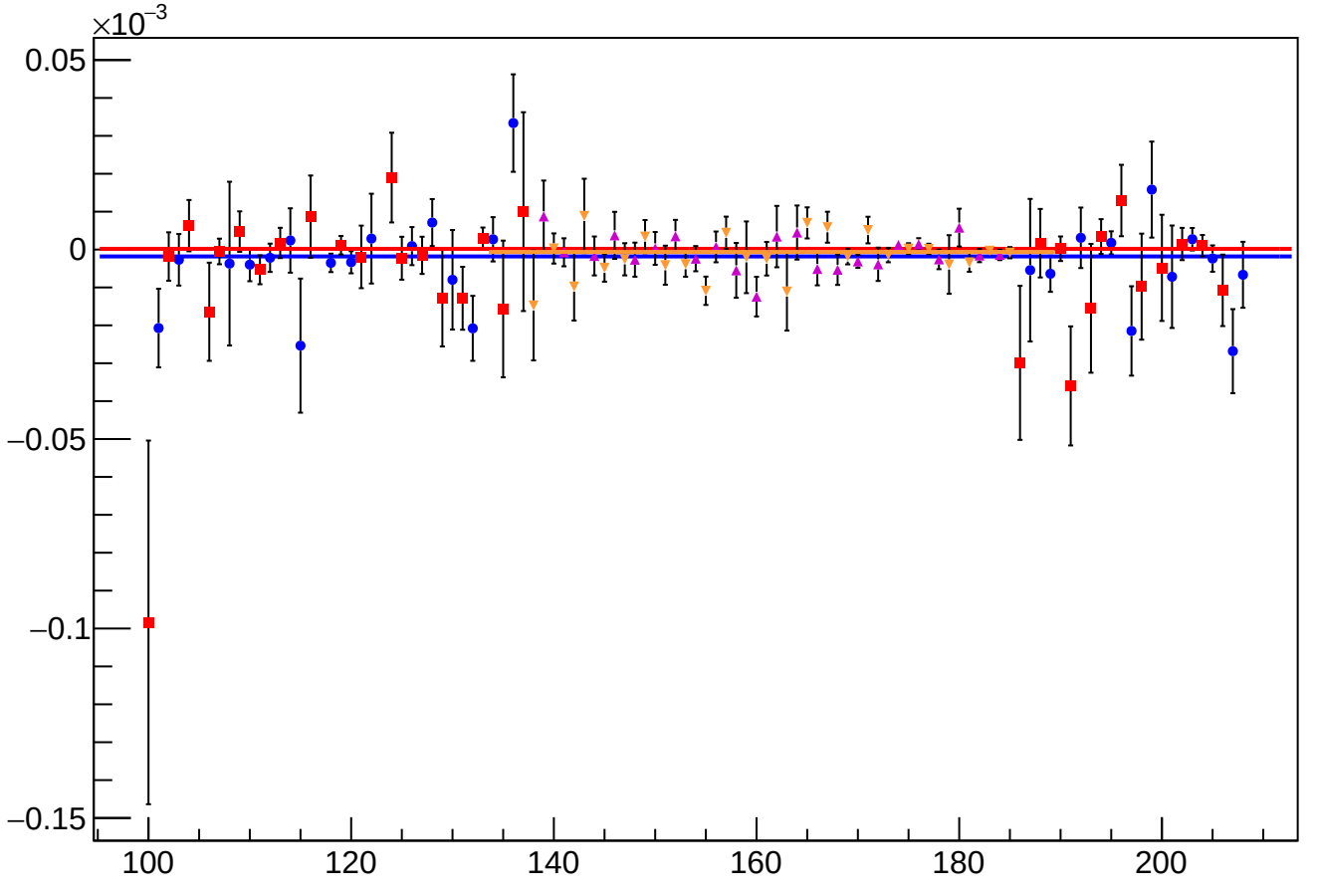
Right Out: 38.062+/-0.008 χ^2/NDF: 5845374.8/30

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 34.436+/-0.005 χ^2/NDF: 14964426.0/51

All: 34.960+/-0.004 χ^2/NDF: 31075495.0/105

- sign 35.534+/-0.005 χ^2/NDF: 16088509.5/53



Right In: -0.000+/-0.000 χ^2/NDF: 37.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

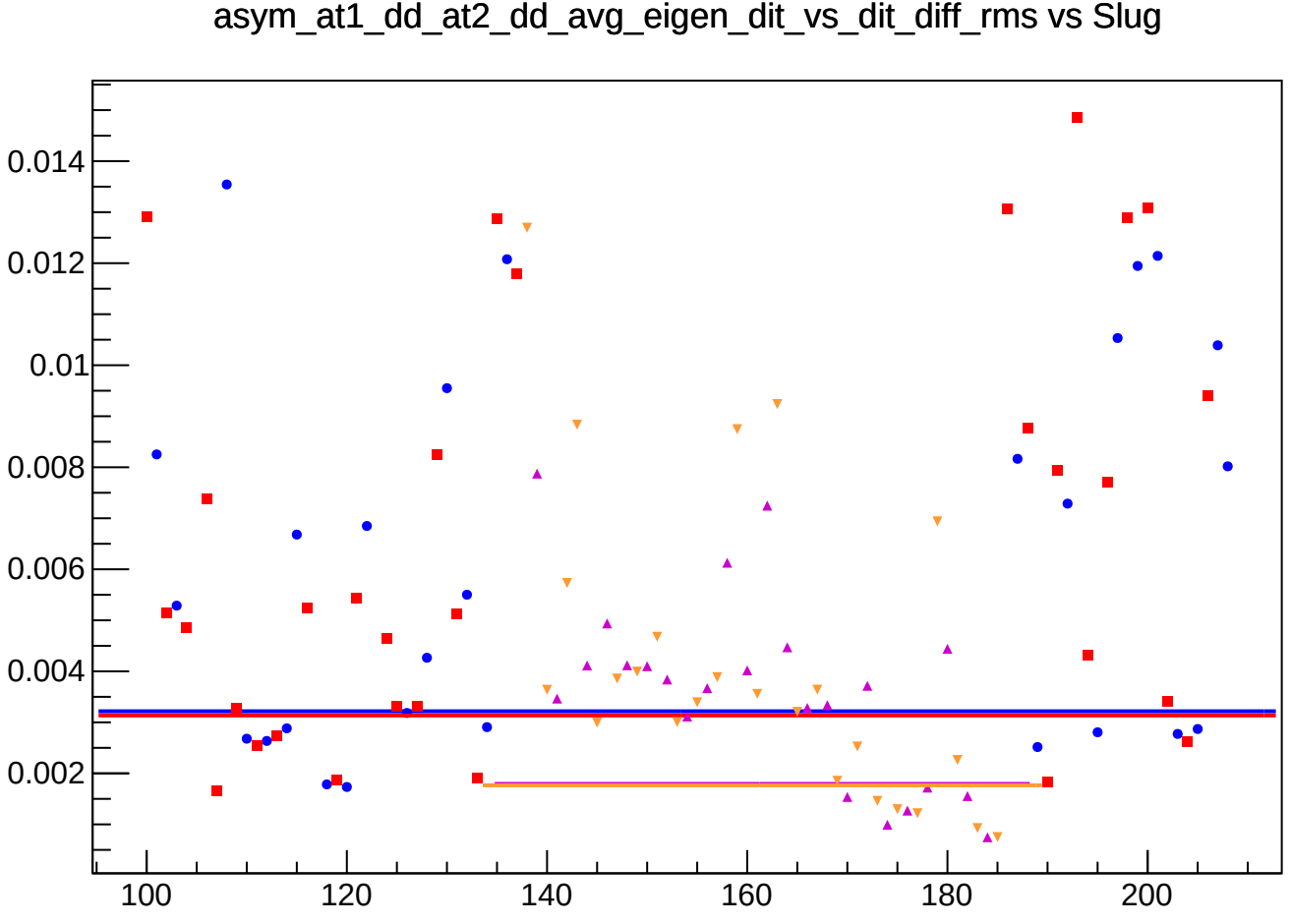
Right Out: 0.000+/-0.000 χ^2/NDF: 31.7/30

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.0/51

All: -0.000+/-0.000 χ^2/NDF: 121.7/105

- sign -0.000+/-0.000 χ^2/NDF: 54.2/53



Right In: 0.003+/-0.000 χ^2/NDF: 9130058.9/26

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

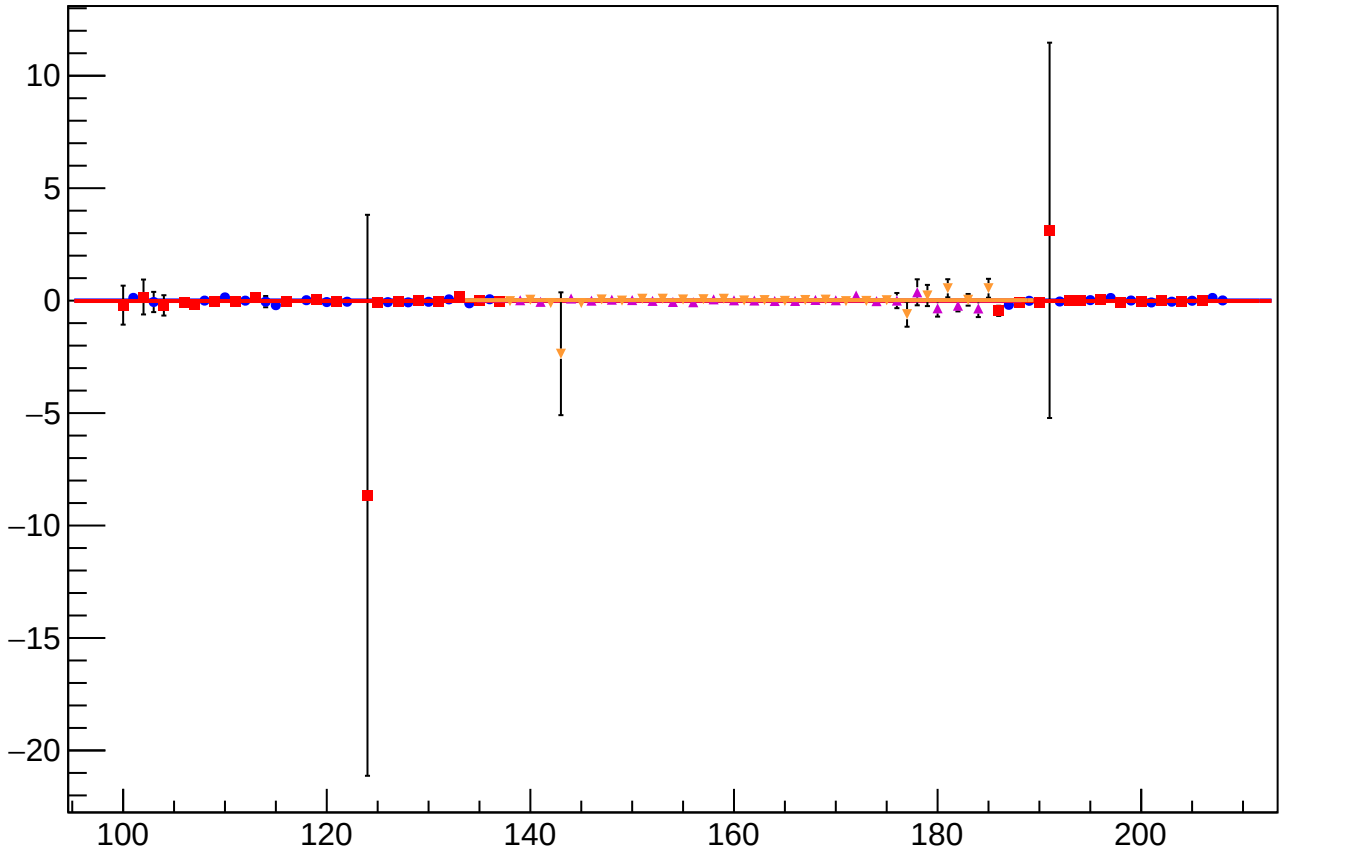
Right Out: 0.003+/-0.000 χ^2/NDF: 9758566.1/30

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 25371712.7/51

All: 0.002+/-0.000 χ^2/NDF: 48905851.7/105

- sign 0.002+/-0.000 χ^2/NDF: 23518585.6/53



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

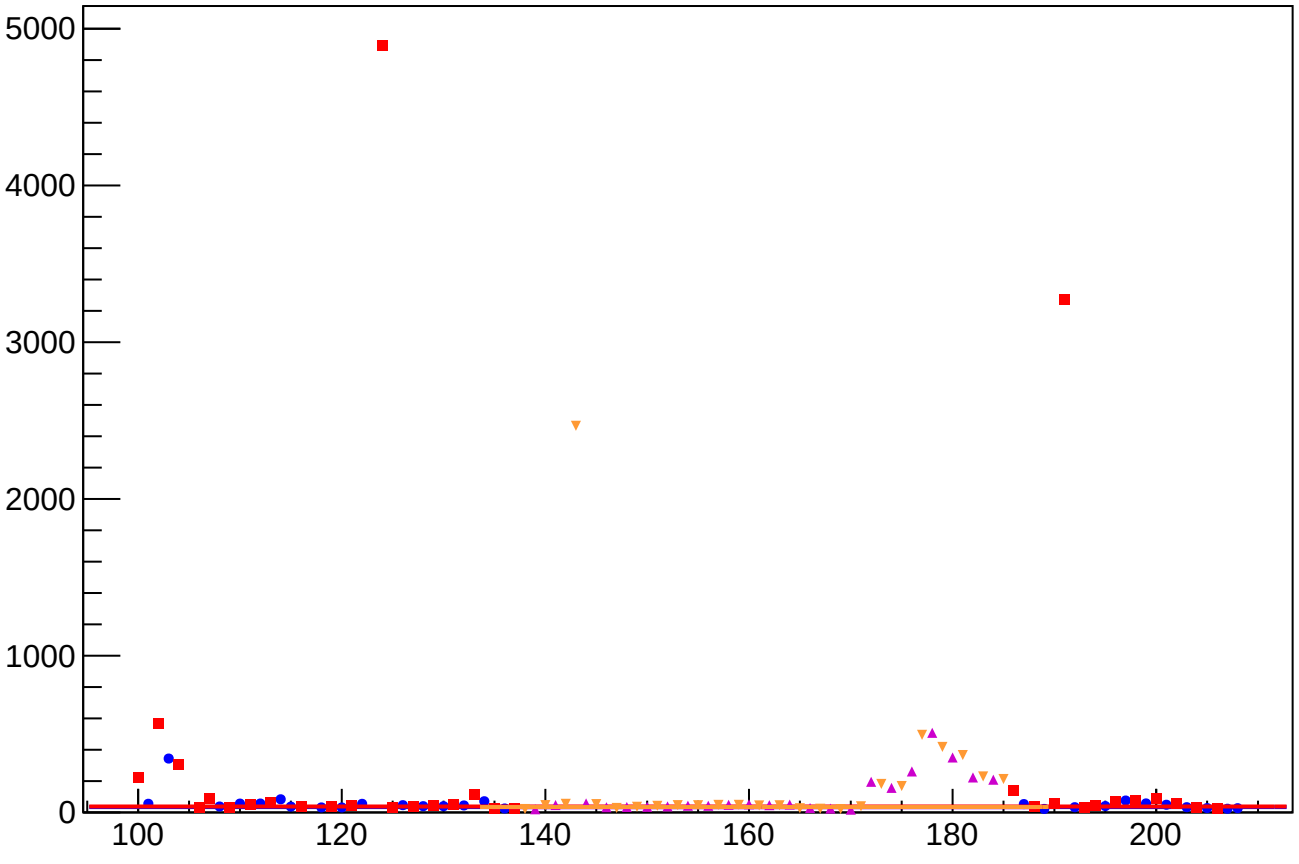
Right Out: -0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 66.0/51

All: 0.007+/-0.005 χ^2/NDF: 109.4/105

- sign -0.002+/-0.007 χ^2/NDF: 40.4/53



Right In: 34.259+/-0.007 χ^2/NDF: 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

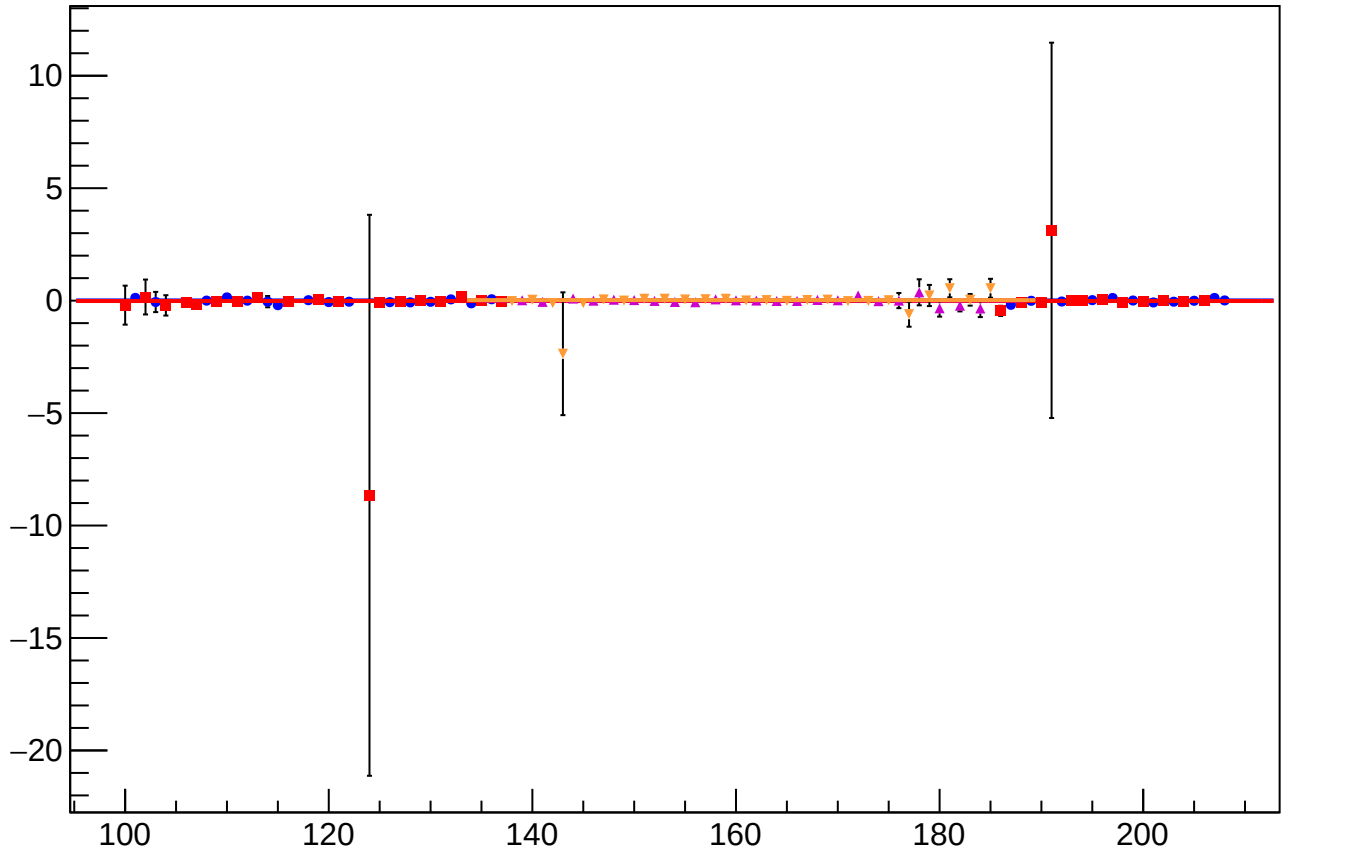
Right Out: 38.063+/-0.008 χ^2/NDF: 5845045.3/30

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.437+/-0.005 χ^2/NDF: 14963094.2/51

All: 34.962+/-0.004 χ^2/NDF: 31072478.2/105

- sign 35.536+/-0.005 χ^2/NDF: 16086806.4/53



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

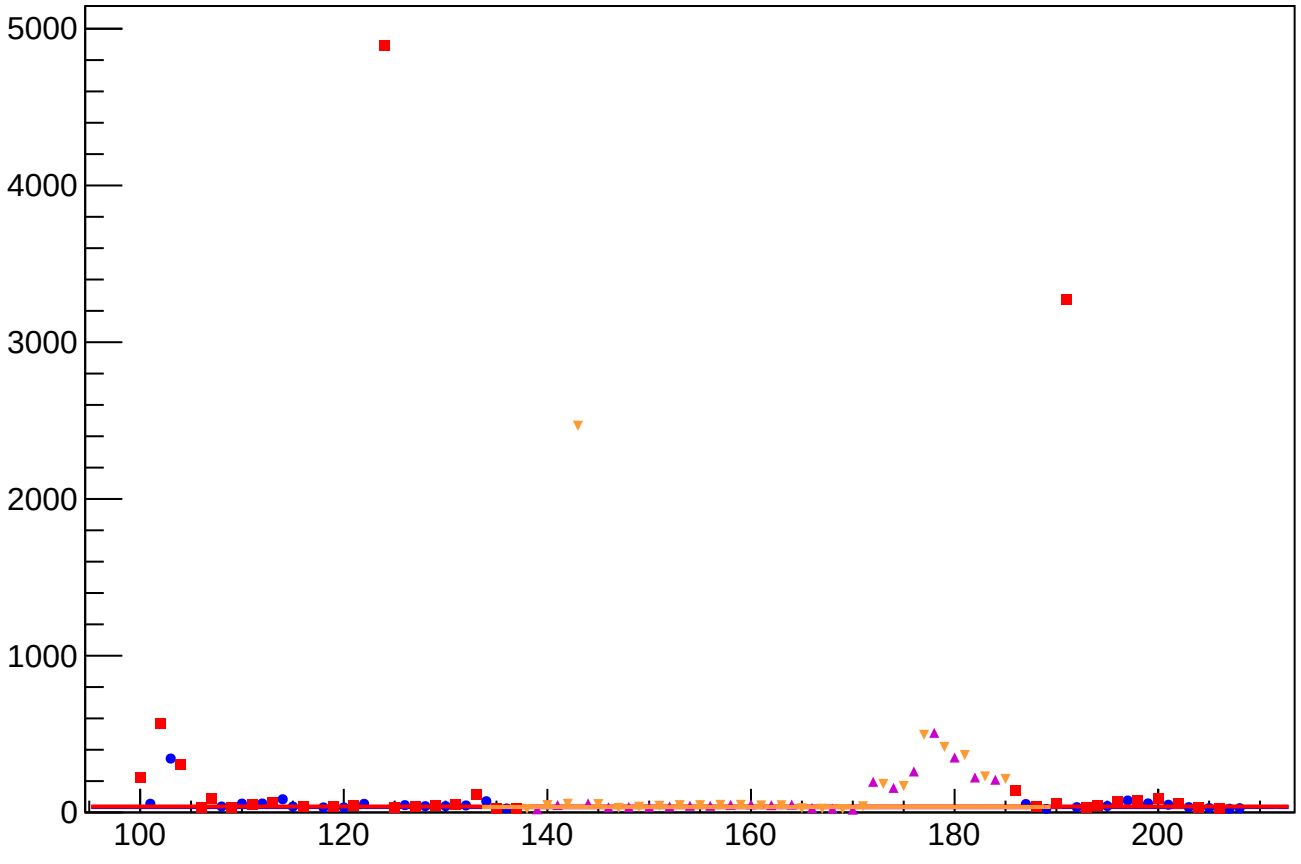
Right Out: -0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 66.0/51

All: 0.007+/-0.005 χ^2/NDF: 109.4/105

- sign -0.002+/-0.007 χ^2/NDF: 40.4/53



Right In: 34.259+/-0.007 χ^2/NDF: 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

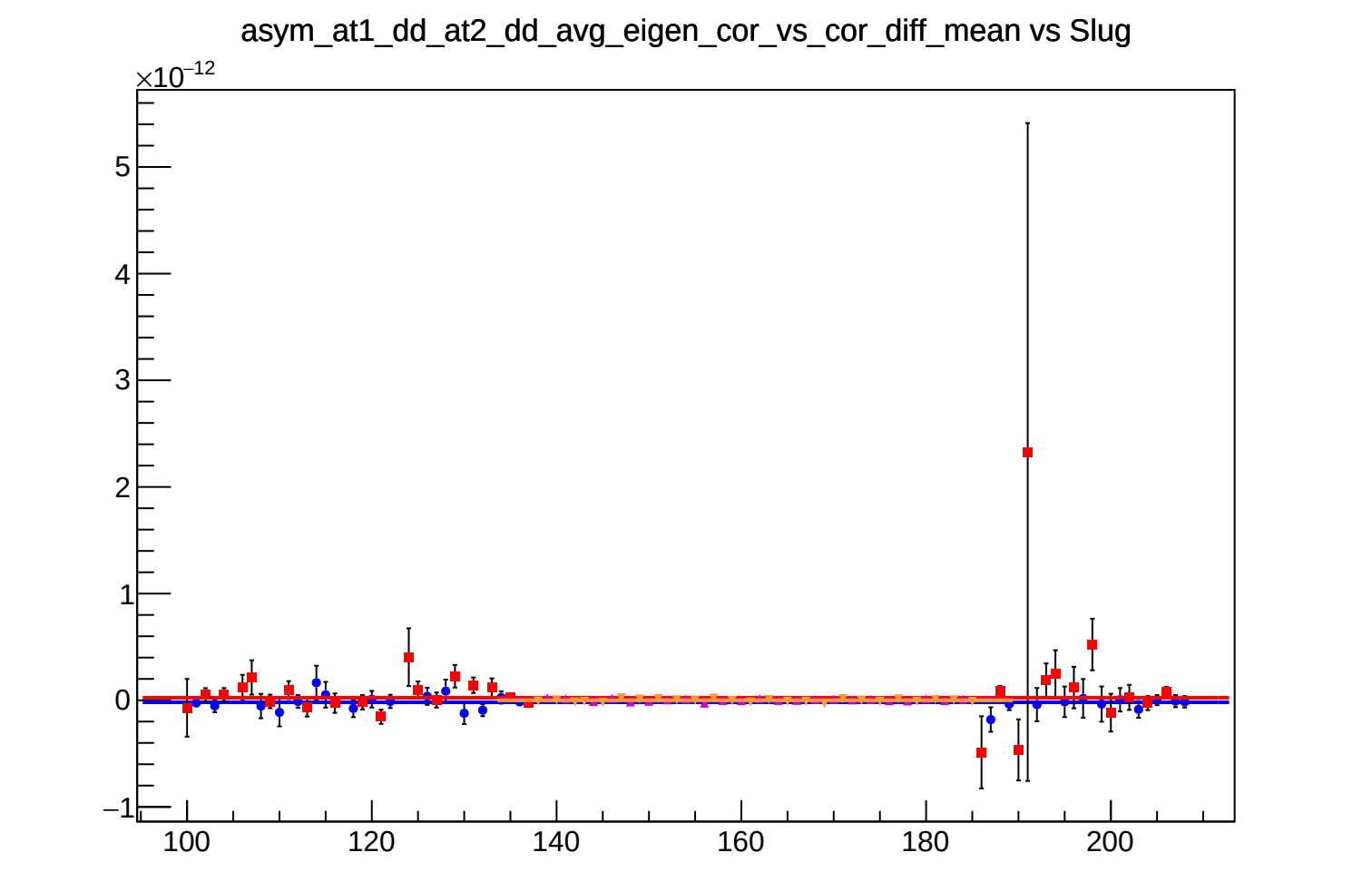
Right Out: 38.063+/-0.008 χ^2/NDF: 5845045.3/30

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.437+/-0.005 χ^2/NDF: 14963094.2/51

All: 34.962+/-0.004 χ^2/NDF: 31072478.2/105

- sign 35.536+/-0.005 χ^2/NDF: 16086806.4/53



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

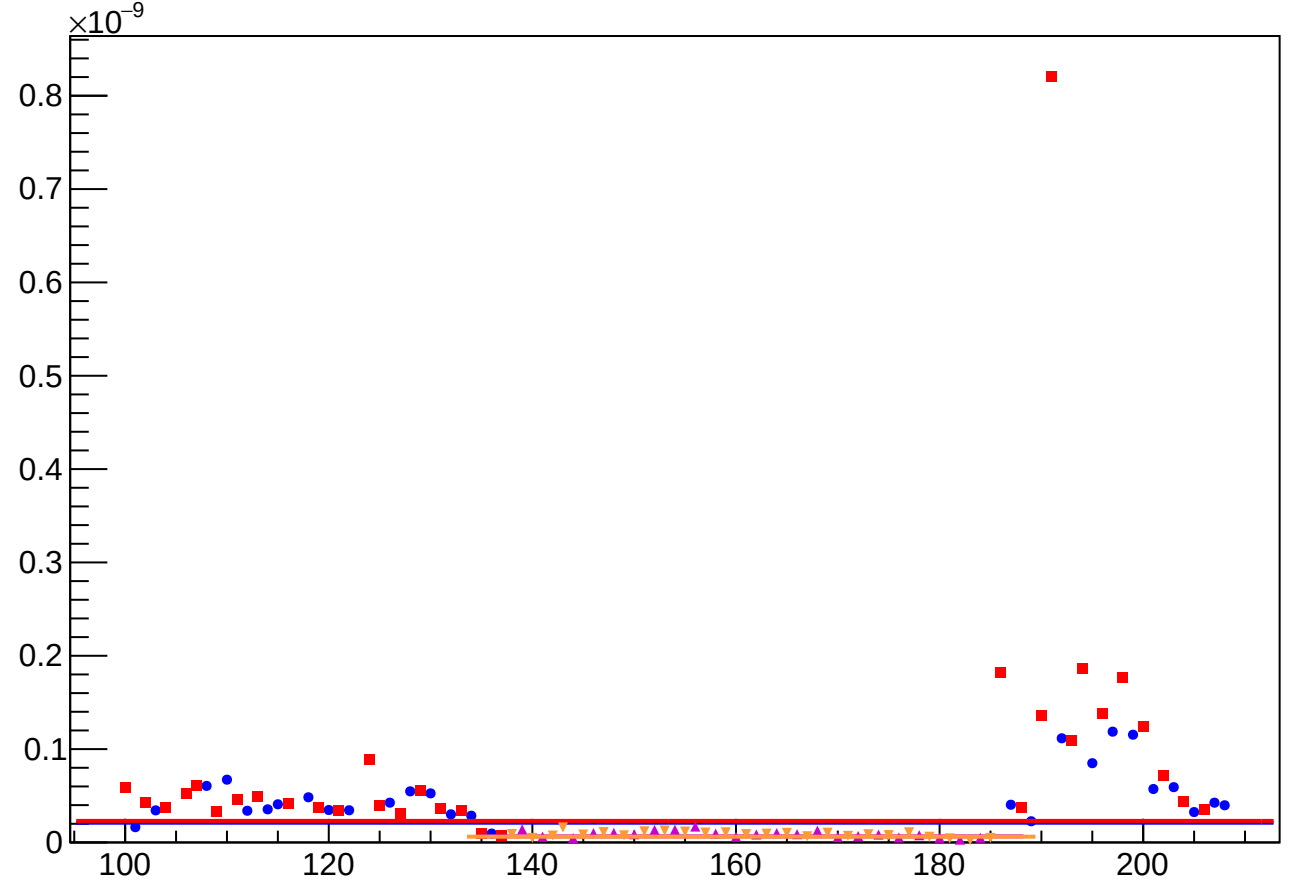
Right Out: 0.000+/-0.000 χ^2/NDF: 44.2/30

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.8/51

All: 0.000+/-0.000 χ^2/NDF: 112.2/105

- sign 0.000+/-0.000 χ^2/NDF: 68.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 7268739.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9604991.0/30

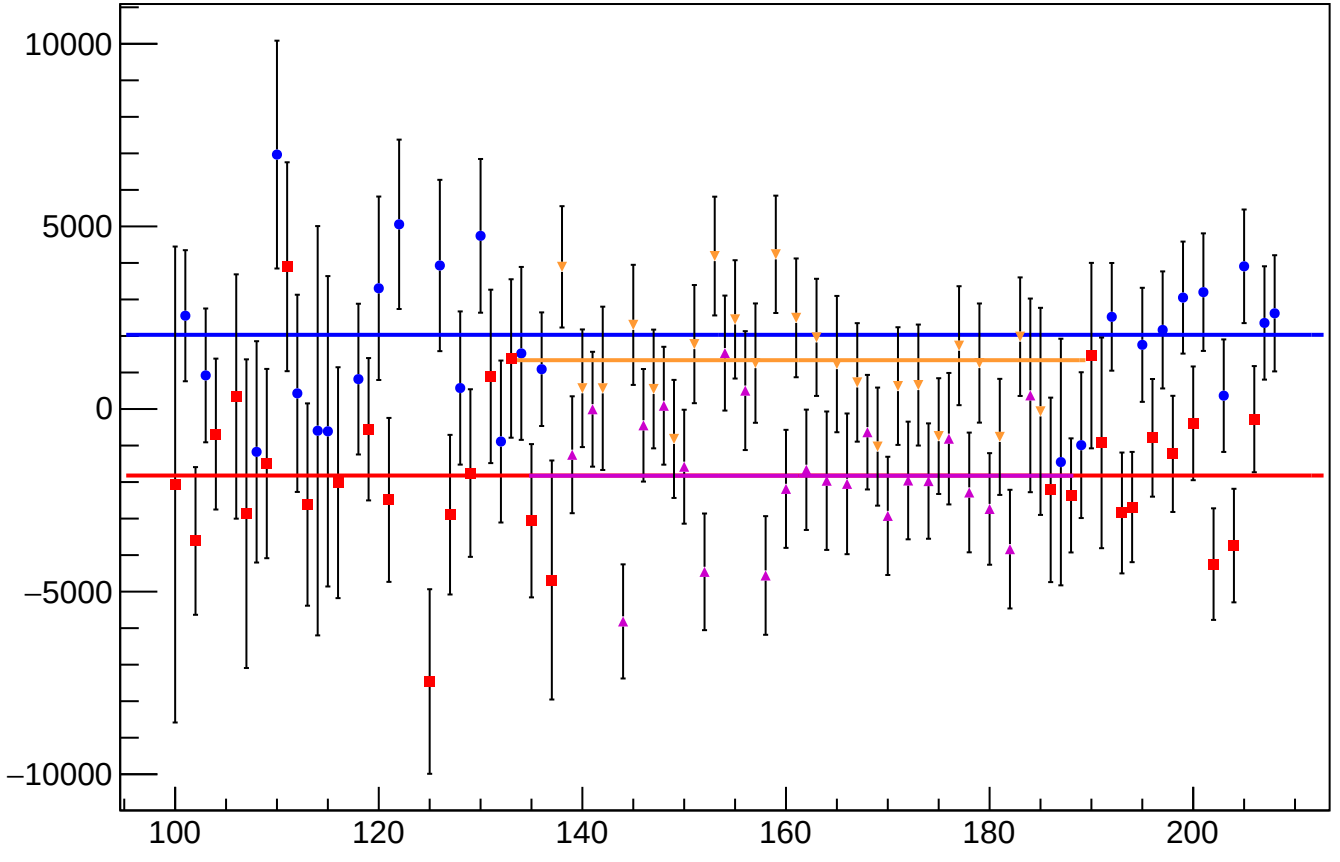
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 17504179.0/51

All: 0.000+/-0.000 χ^2/NDF: 36173571.4/105

- sign 0.000+/-0.000 χ^2/NDF: 18651746.8/53

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 2031.699+/-375.072 χ^2/NDF: 19.6/26

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1820.899+/-377.104 χ^2/NDF: 25.2/29

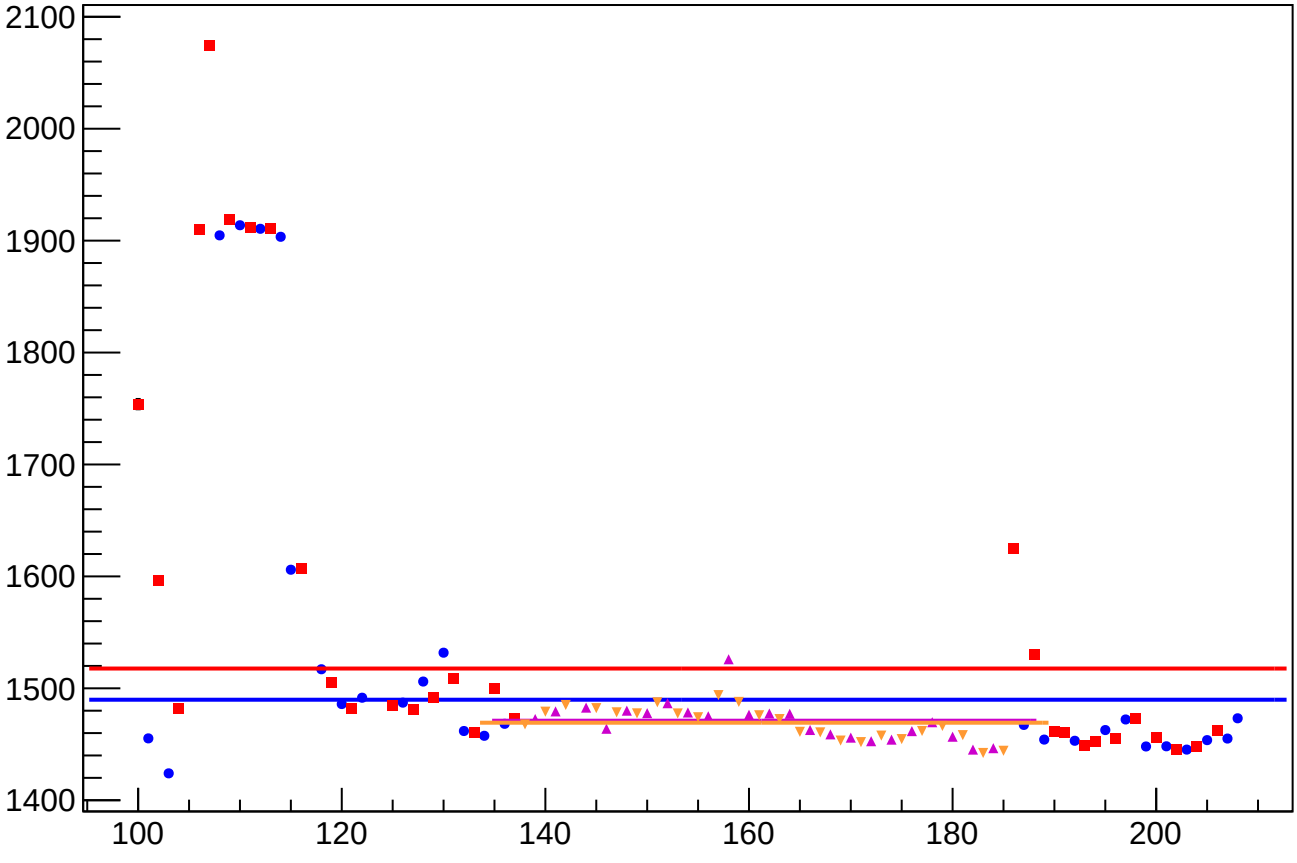
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1651.386+/-252.316 χ^2/NDF: 40.6/50

All: -75.200+/-178.984 χ^2/NDF: 186.5/103

- sign -1824.014+/-253.935 χ^2/NDF: 51.7/52

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1489.809+/-0.265 χ^2/NDF: 150671.0/26

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

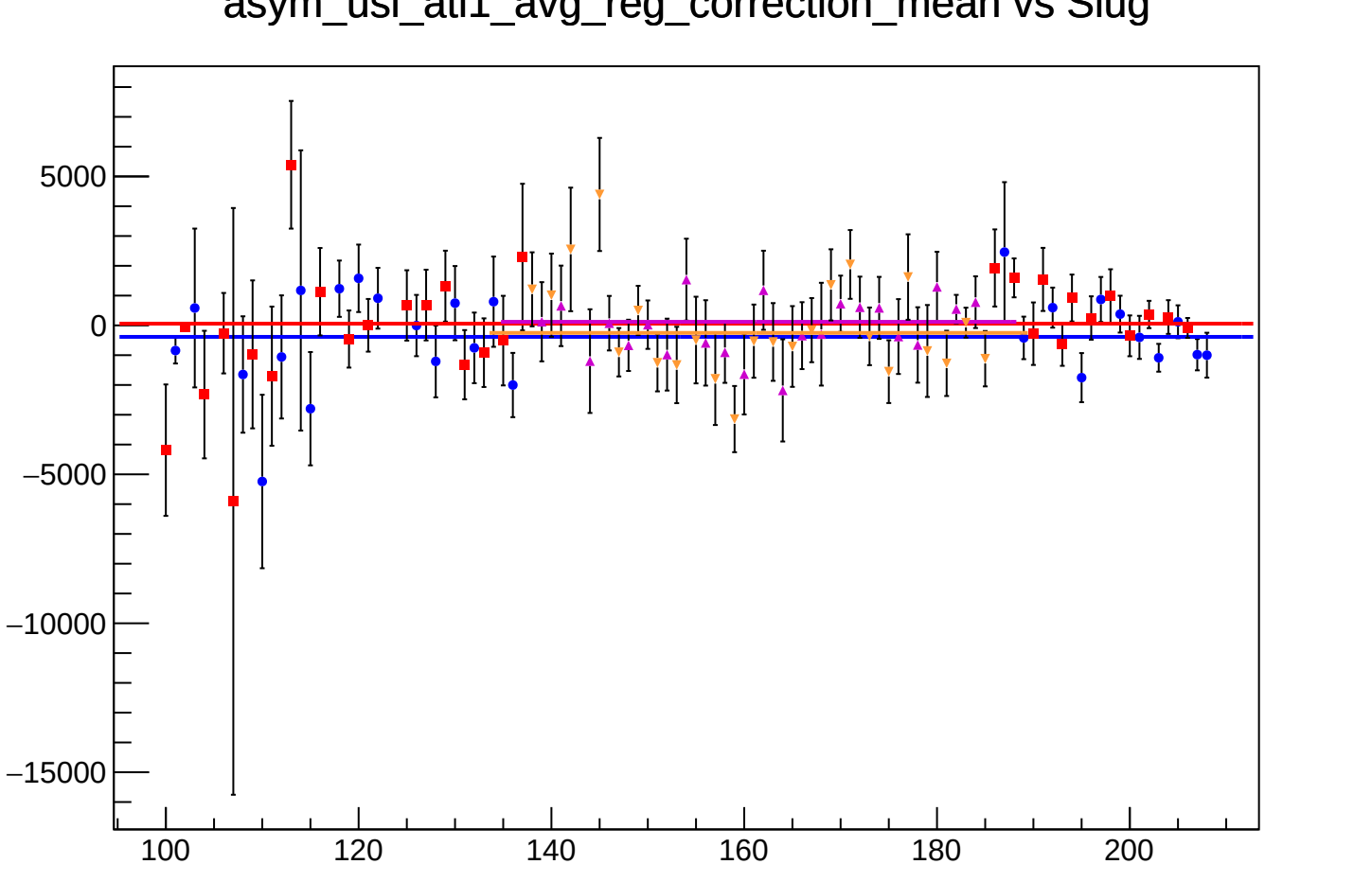
Right Out: 1517.676+/-0.267 χ^2/NDF: 231874.4/29

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1478.563+/-0.178 χ^2/NDF: 157110.7/50

All: 1485.335+/-0.127 χ^2/NDF: 413235.5/103

- sign 1492.194+/-0.180 χ^2/NDF: 253224.8/52



Right In: -385.272+/-160.464 χ^2/NDF: 33.9/26

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 58.555+/-104.453 χ^2/NDF: 32.7/29

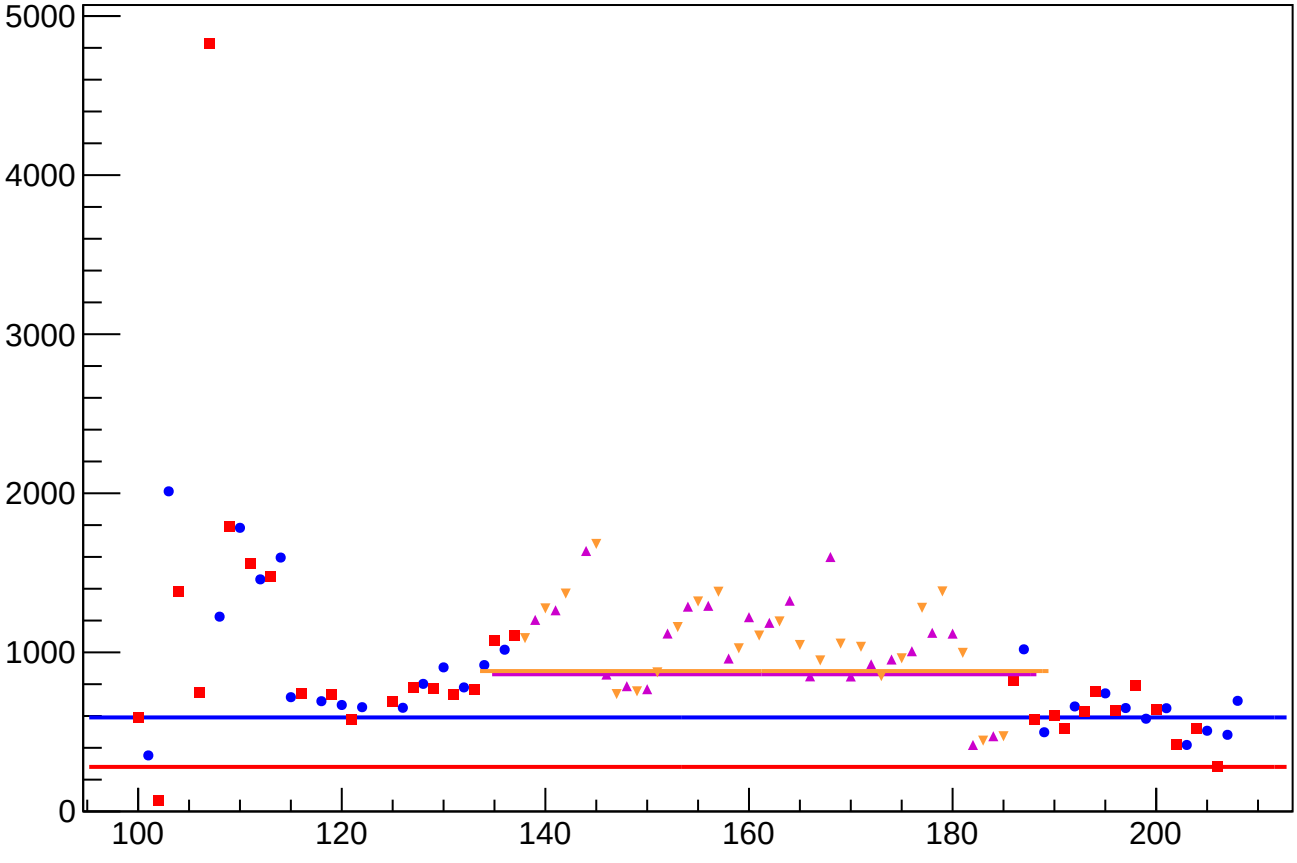
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

\+ sign -338.405+/-129.307 χ^2/NDF: 66.8/50

All: -71.162+/-76.050 χ^2/NDF: 119.0/103

\- sign 70.165+/-94.033 χ^2/NDF: 45.6/52

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 591.077+/-0.113 χ^2/NDF: 3520720.9/26

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 280.048+/-0.074 χ^2/NDF: 15586444.9/29

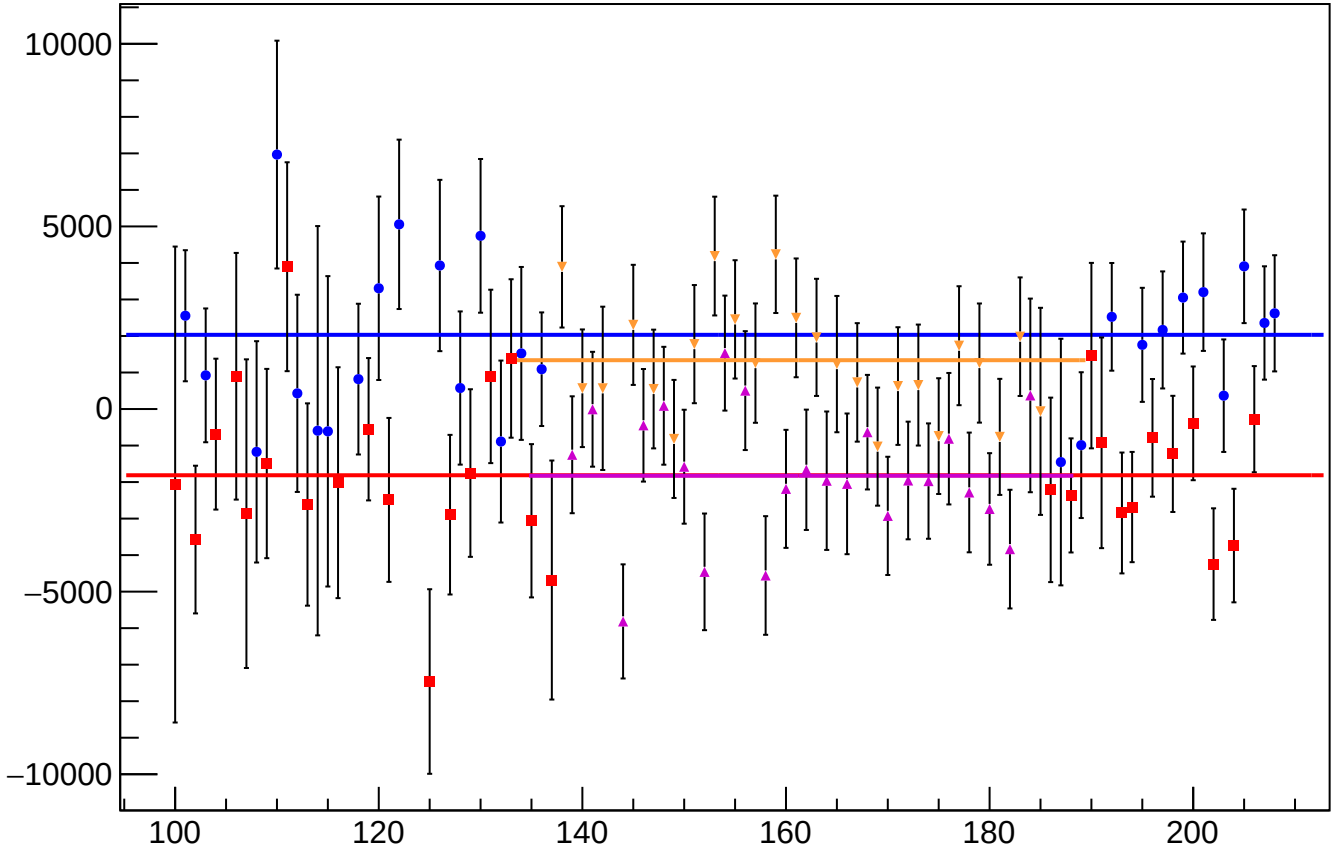
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 693.236+/-0.091 χ^2/NDF: 9733926.9/50

All: 495.167+/-0.054 χ^2/NDF: 48644588.7/10

- sign 390.421+/-0.066 χ^2/NDF: 31736290.8/52

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2031.789+/-375.072 χ^2/NDF: 19.6/26

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1813.168+/-377.152 χ^2/NDF: 25.4/29

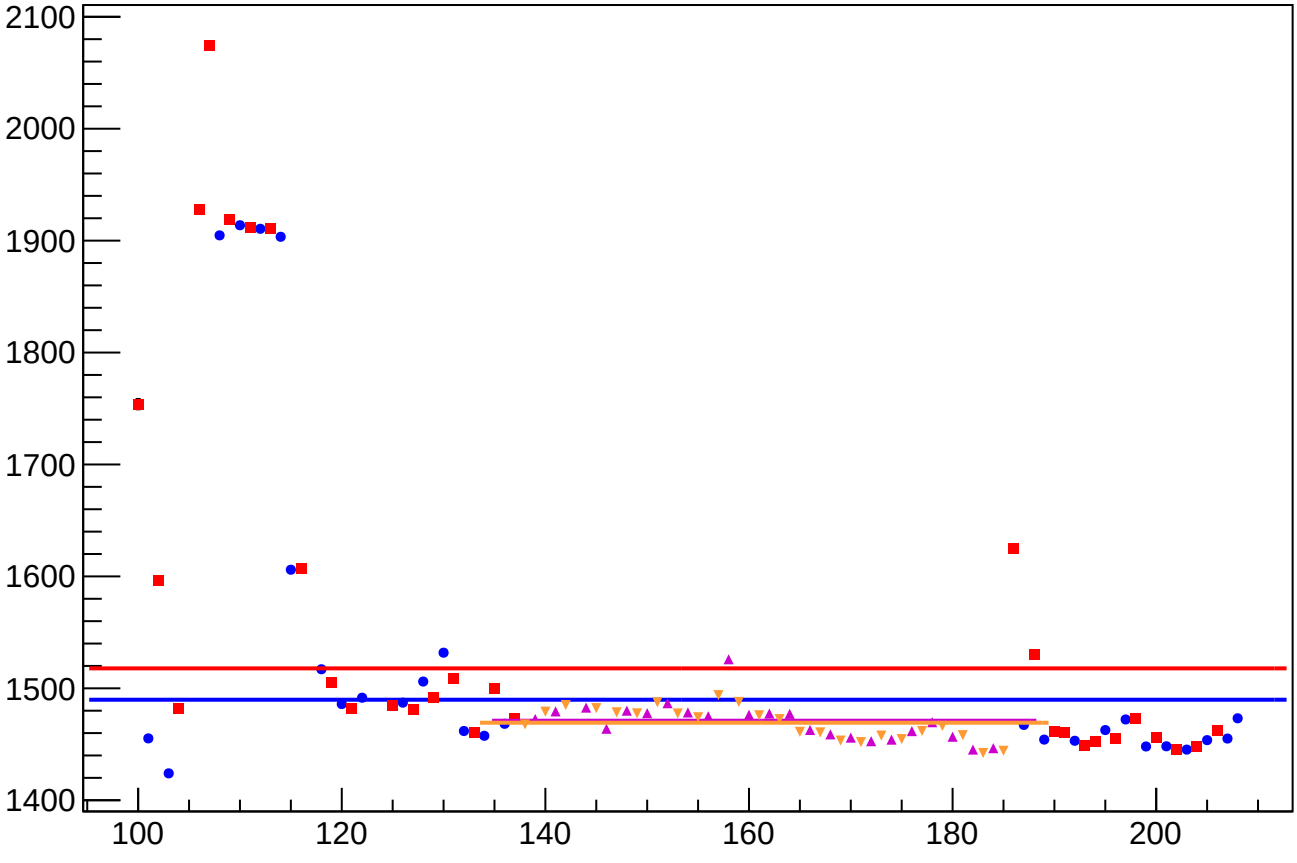
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1651.432+/-252.316 χ^2/NDF: 40.6/50

All: -73.349+/-178.989 χ^2/NDF: 186.5/103

- sign -1820.534+/-253.950 χ^2/NDF: 51.9/52

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1489.809+/-0.265 χ^2/NDF: 150671.0/26

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

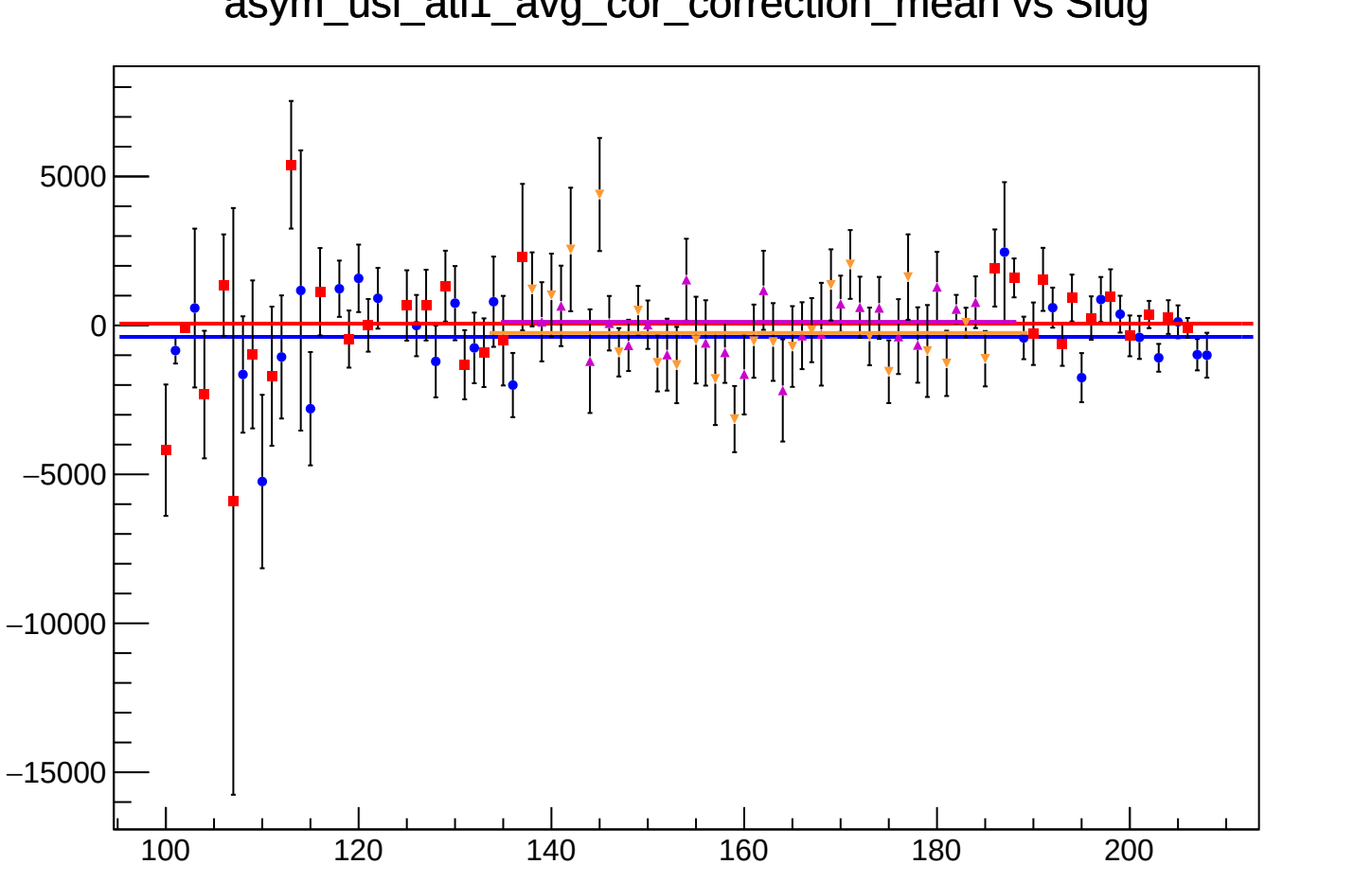
Right Out: 1517.816+/-0.267 χ^2/NDF: 233945.3/29

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1478.563+/-0.178 χ^2/NDF: 157110.7/50

All: 1485.365+/-0.127 χ^2/NDF: 415430.1/103

- sign 1492.255+/-0.180 χ^2/NDF: 255393.8/52



Right In: -385.204+/-160.462 χ^2/NDF: 33.9/26

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 60.719+/-109.938 χ^2/NDF: 33.5/29

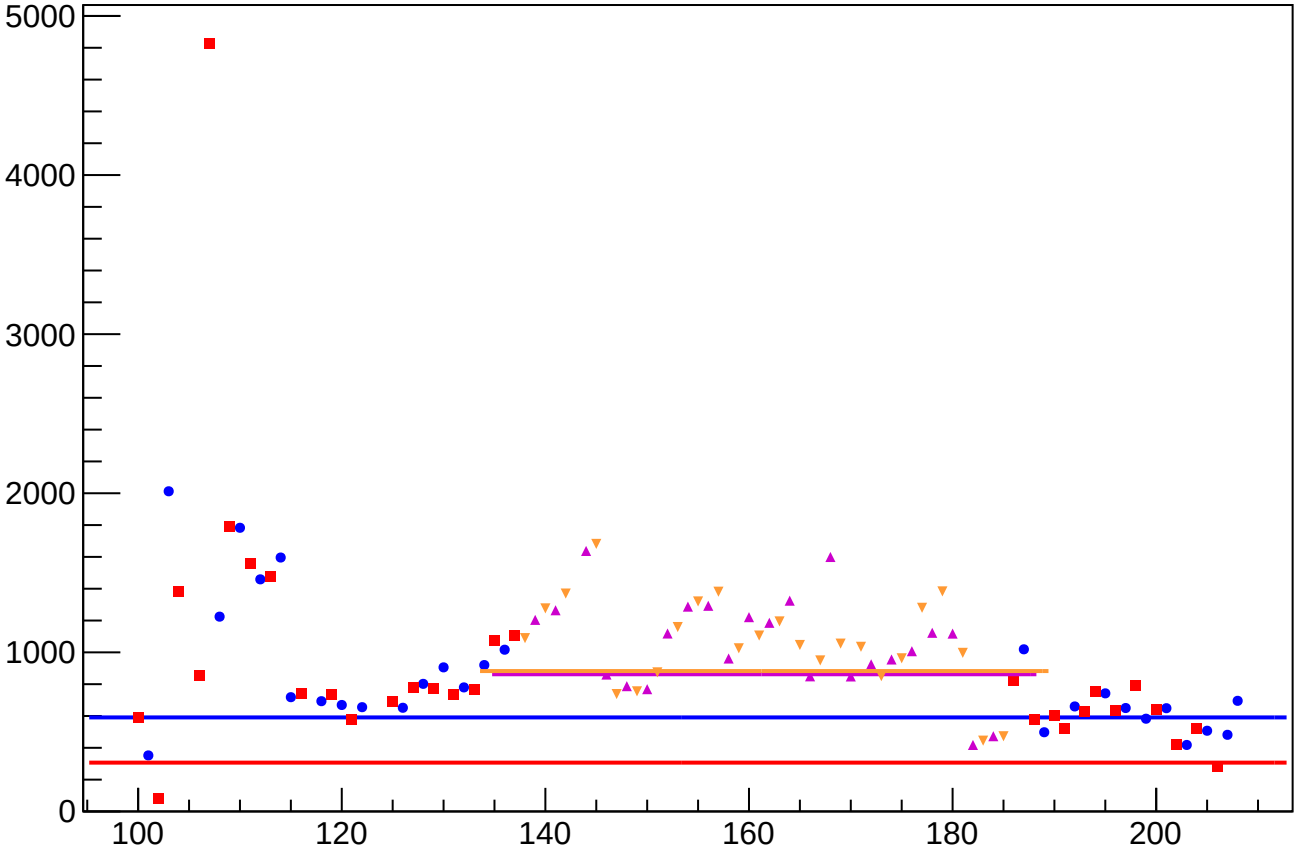
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -338.354+/-129.305 χ^2/NDF: 66.8/50

All: -77.103+/-78.091 χ^2/NDF: 119.7/103

- sign 72.887+/-97.975 χ^2/NDF: 46.4/52

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 591.067+/-0.113 χ^2/NDF: 3520983.8/26

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 306.868+/-0.078 χ^2/NDF: 14317754.8/29

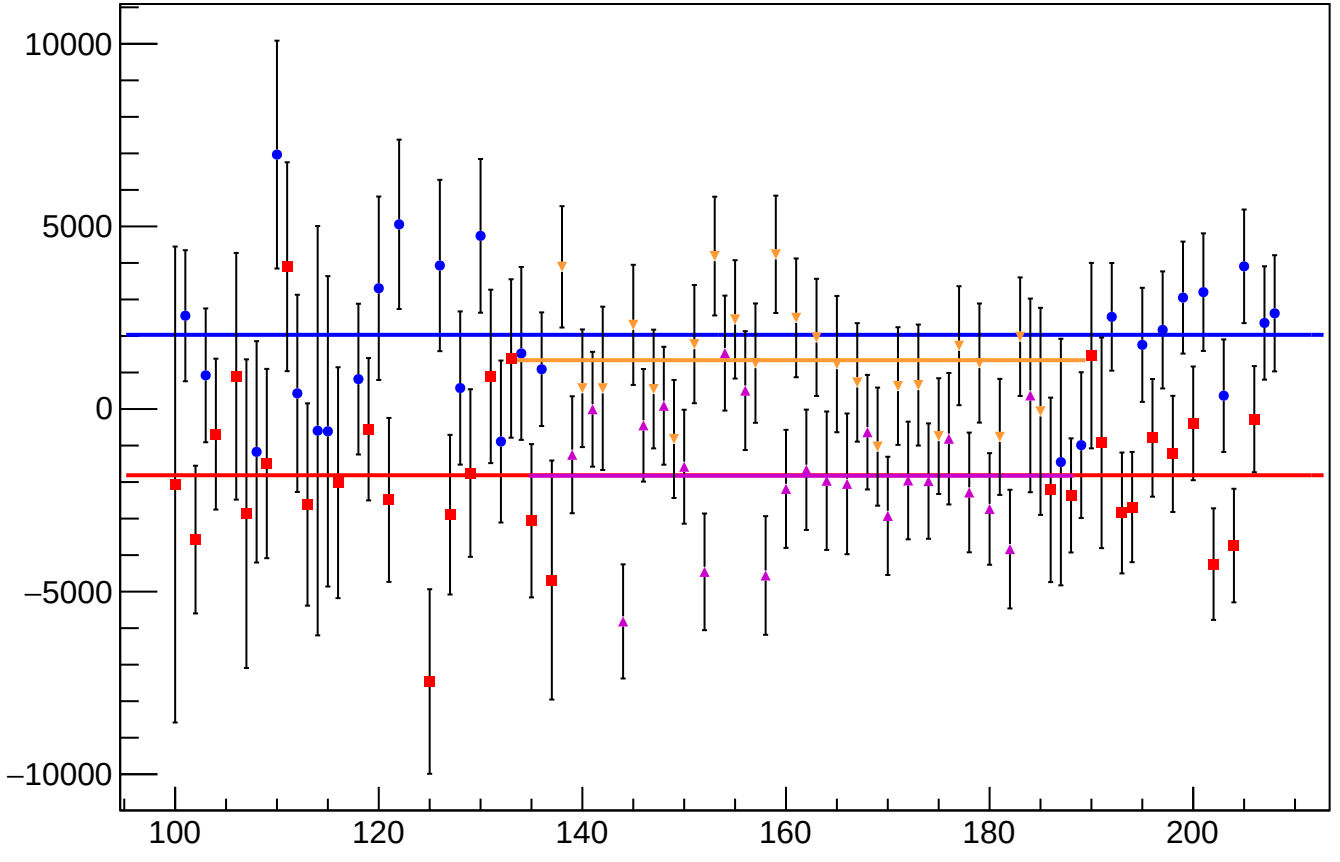
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 693.225+/-0.091 χ^2/NDF: 9734561.2/50

All: 520.395+/-0.055 χ^2/NDF: 44551623.7/10

- sign 421.170+/-0.069 χ^2/NDF: 29192716.6/52

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2031.789+/-375.072 χ^2/NDF: 19.6/26

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1813.168+/-377.152 χ^2/NDF: 25.4/29

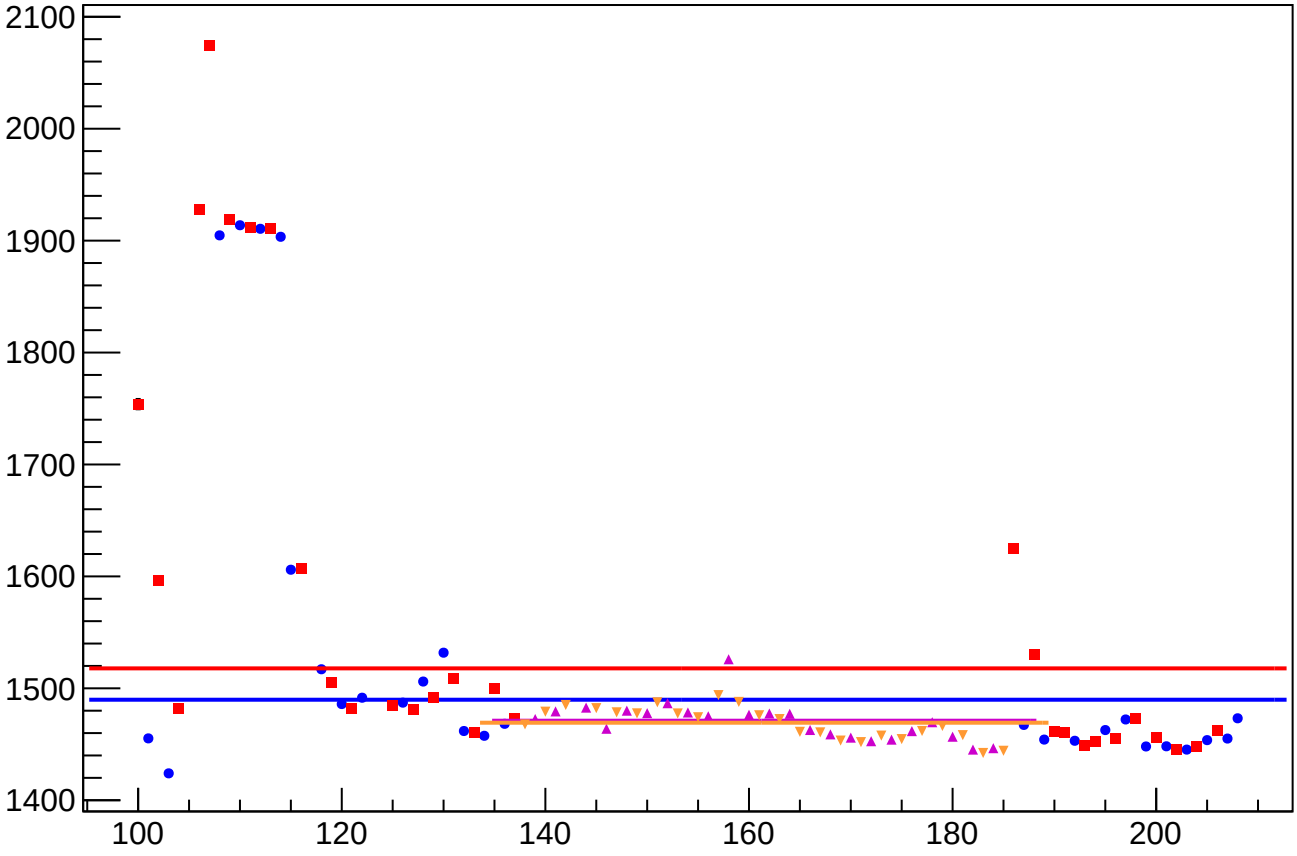
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1651.432+/-252.316 χ^2/NDF: 40.6/50

All: -73.349+/-178.989 χ^2/NDF: 186.5/103

- sign -1820.534+/-253.950 χ^2/NDF: 51.9/52

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1489.809+/-0.265 χ^2/NDF: 150671.0/26

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

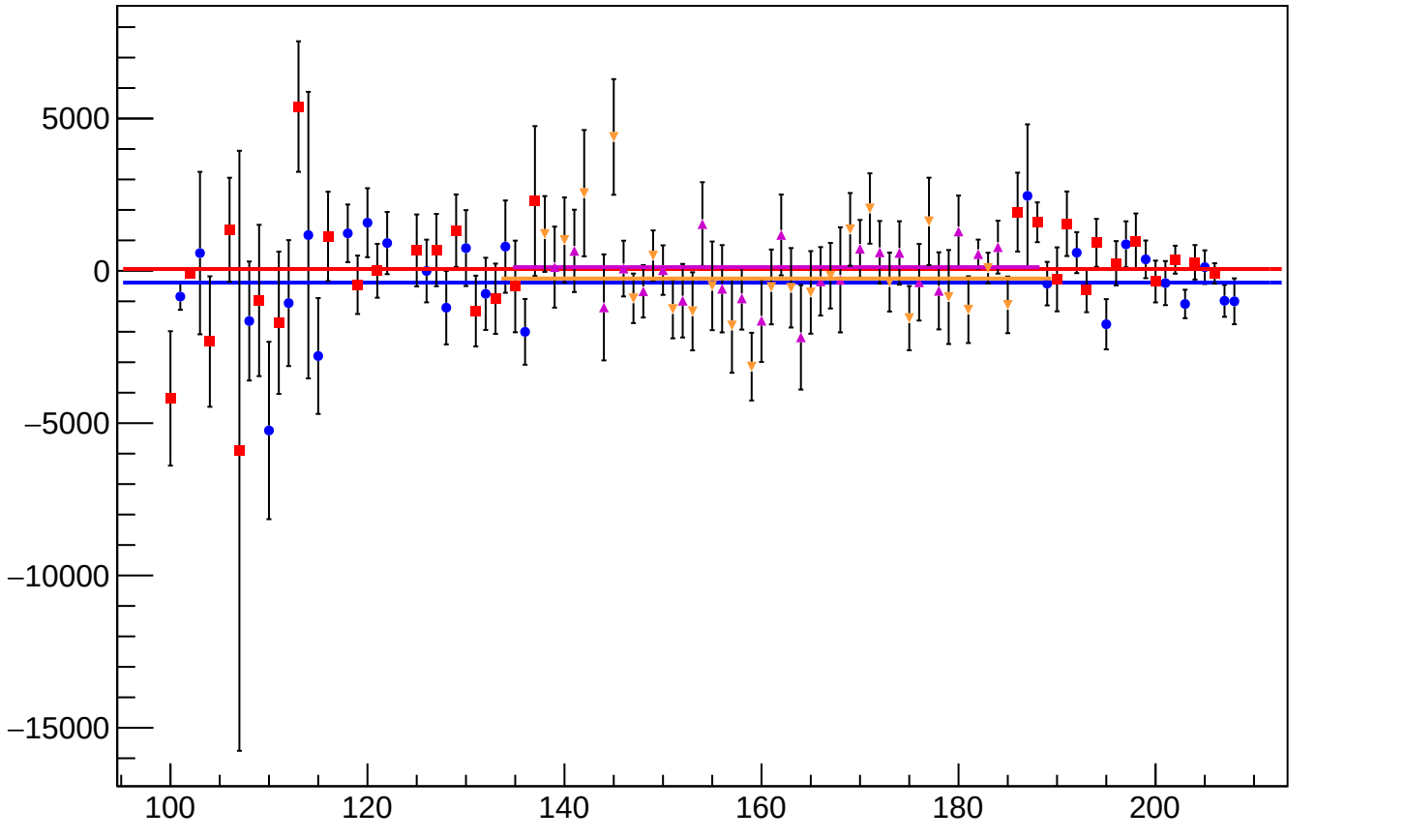
Right Out: 1517.816+/-0.267 χ^2/NDF: 233945.3/29

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1478.563+/-0.178 χ^2/NDF: 157110.7/50

All: 1485.365+/-0.127 χ^2/NDF: 415430.1/103

- sign 1492.255+/-0.180 χ^2/NDF: 255393.8/52



Right In: -385.204+/-160.462 χ^2/NDF: 33.9/26

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 60.719+/-109.938 χ^2/NDF: 33.5/29

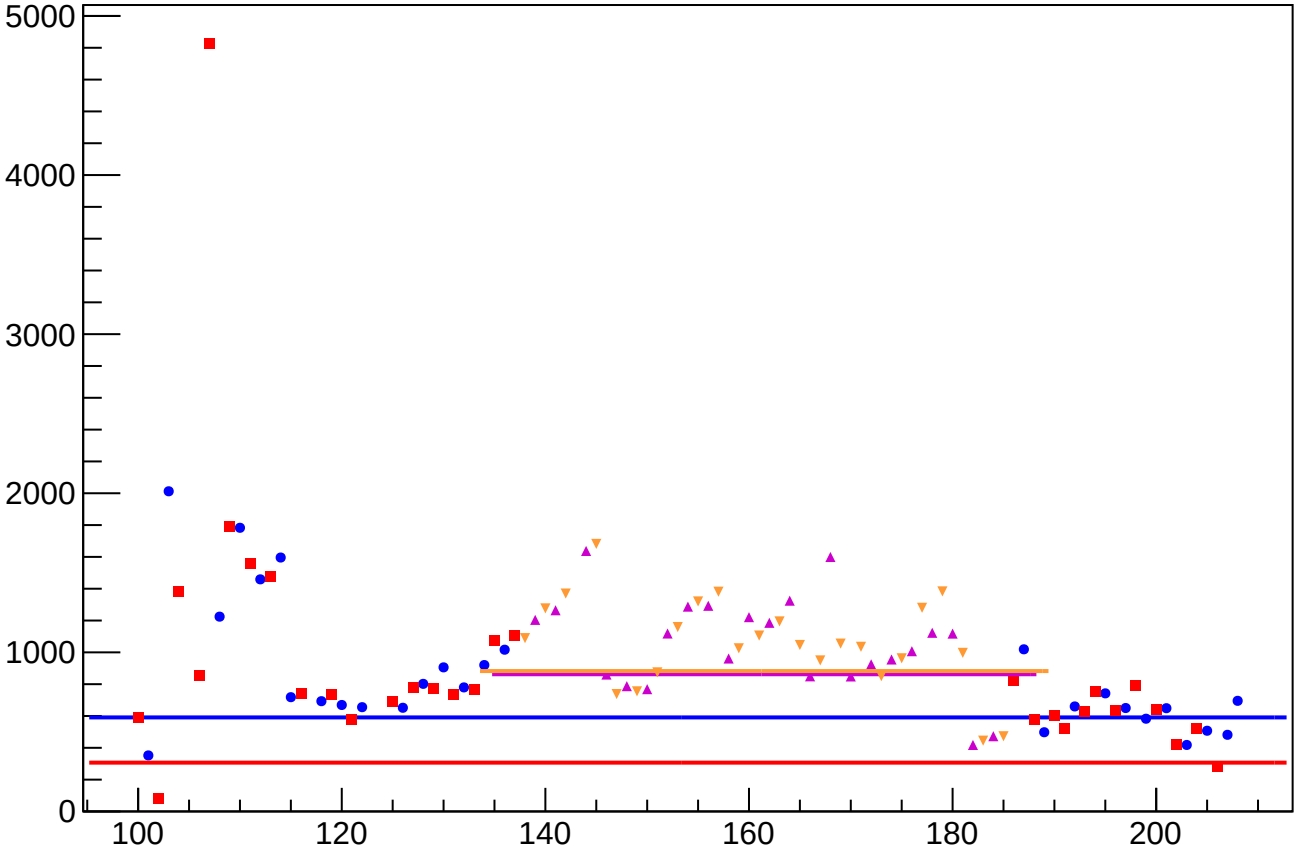
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -338.354+/-129.305 χ^2/NDF: 66.8/50

All: -77.103+/-78.091 χ^2/NDF: 119.7/103

- sign 72.887+/-97.975 χ^2/NDF: 46.4/52

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 591.067+/-0.113 χ^2/NDF: 3520983.8/26

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 306.868+/-0.078 χ^2/NDF: 14317754.8/29

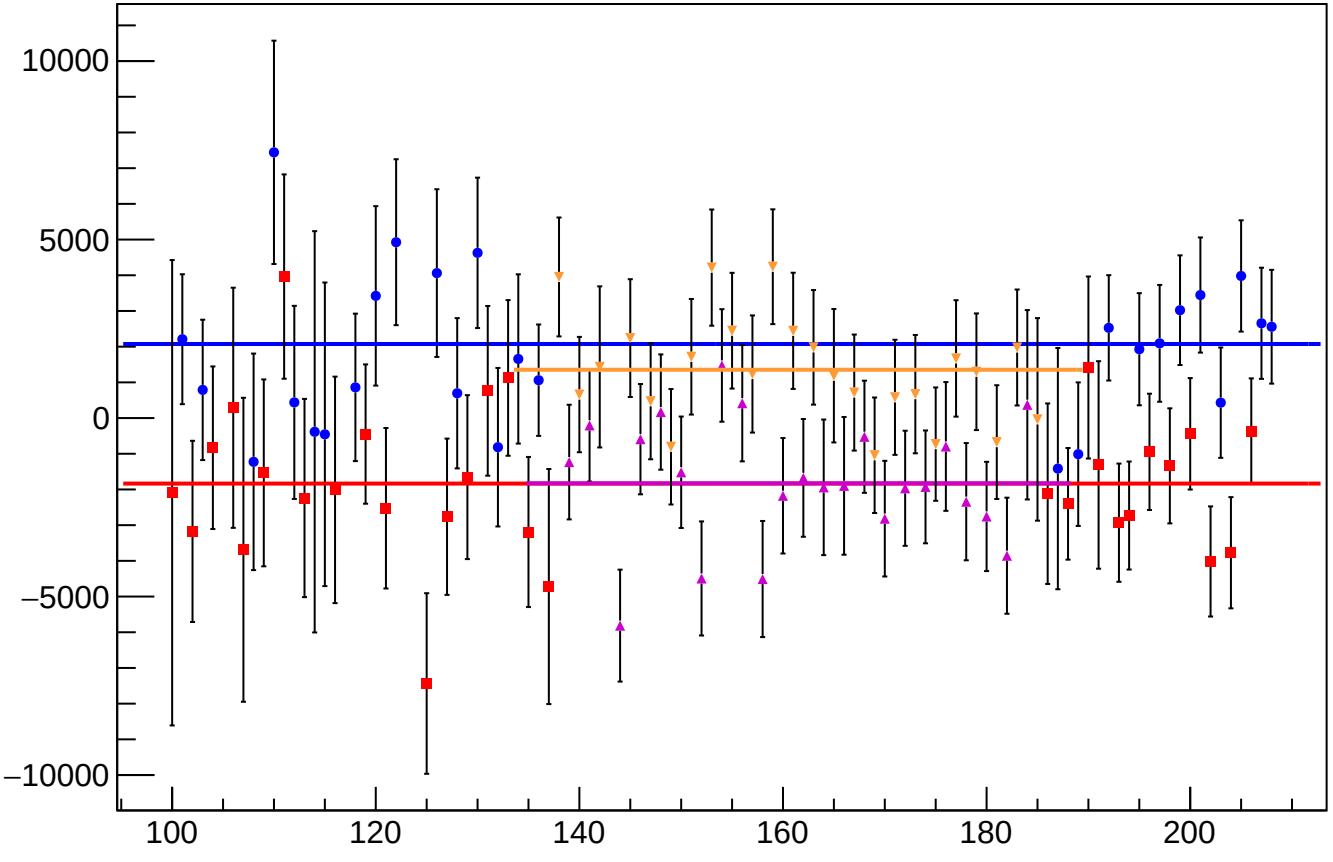
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 693.225+/-0.091 χ^2/NDF: 9734561.2/50

All: 520.395+/-0.055 χ^2/NDF: 44551623.7/10

- sign 421.170+/-0.069 χ^2/NDF: 29192716.6/52

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2074.643+/-377.553 χ^2/NDF: 19.9/26

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1835.296+/-382.471 χ^2/NDF: 23.4/29

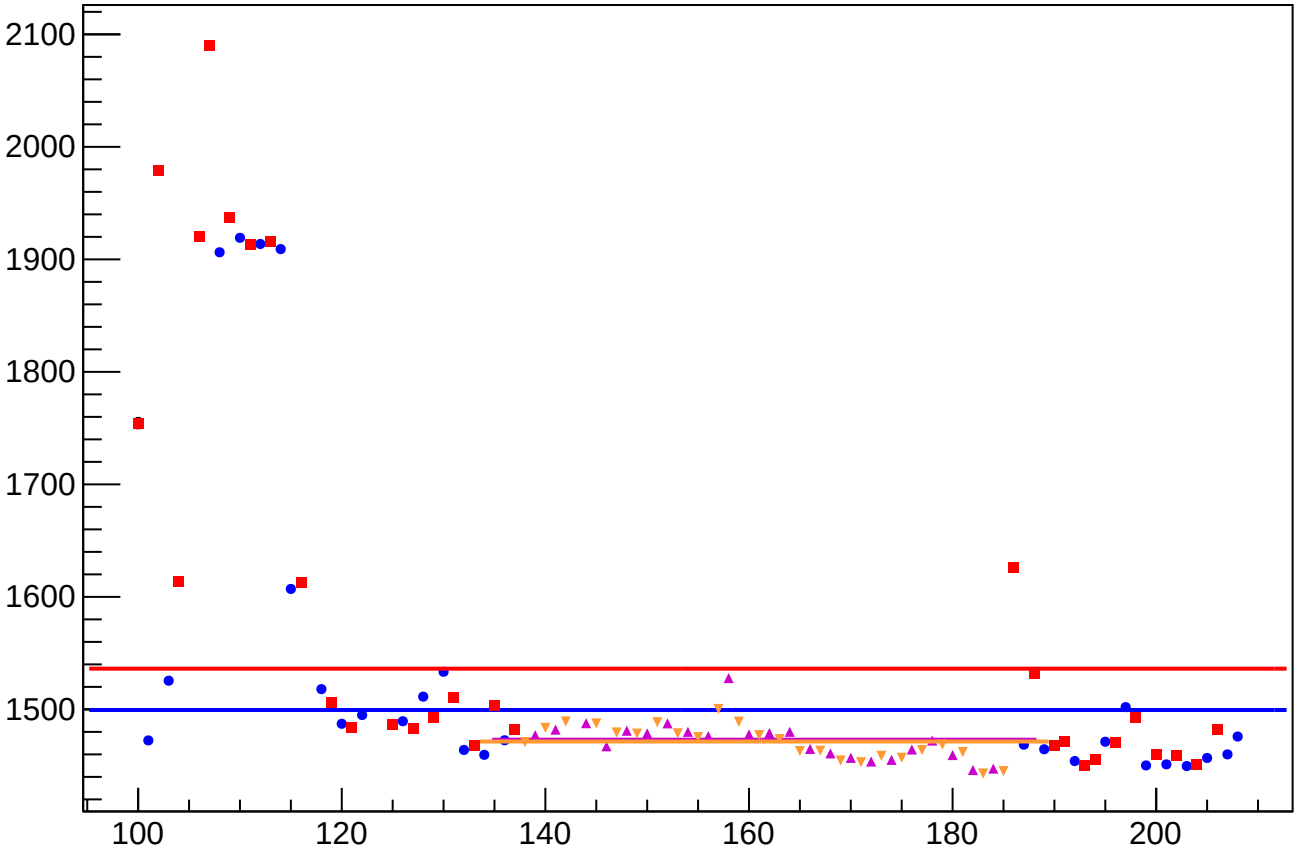
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1678.179+/-253.295 χ^2/NDF: 40.8/50

All: -59.698+/-179.968 χ^2/NDF: 185.1/103

- sign -1831.400+/-255.748 χ^2/NDF: 49.3/52

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1499.448+/-0.267 χ^2/NDF: 146589.4/26

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1536.208+/-0.270 χ^2/NDF: 292382.9/29

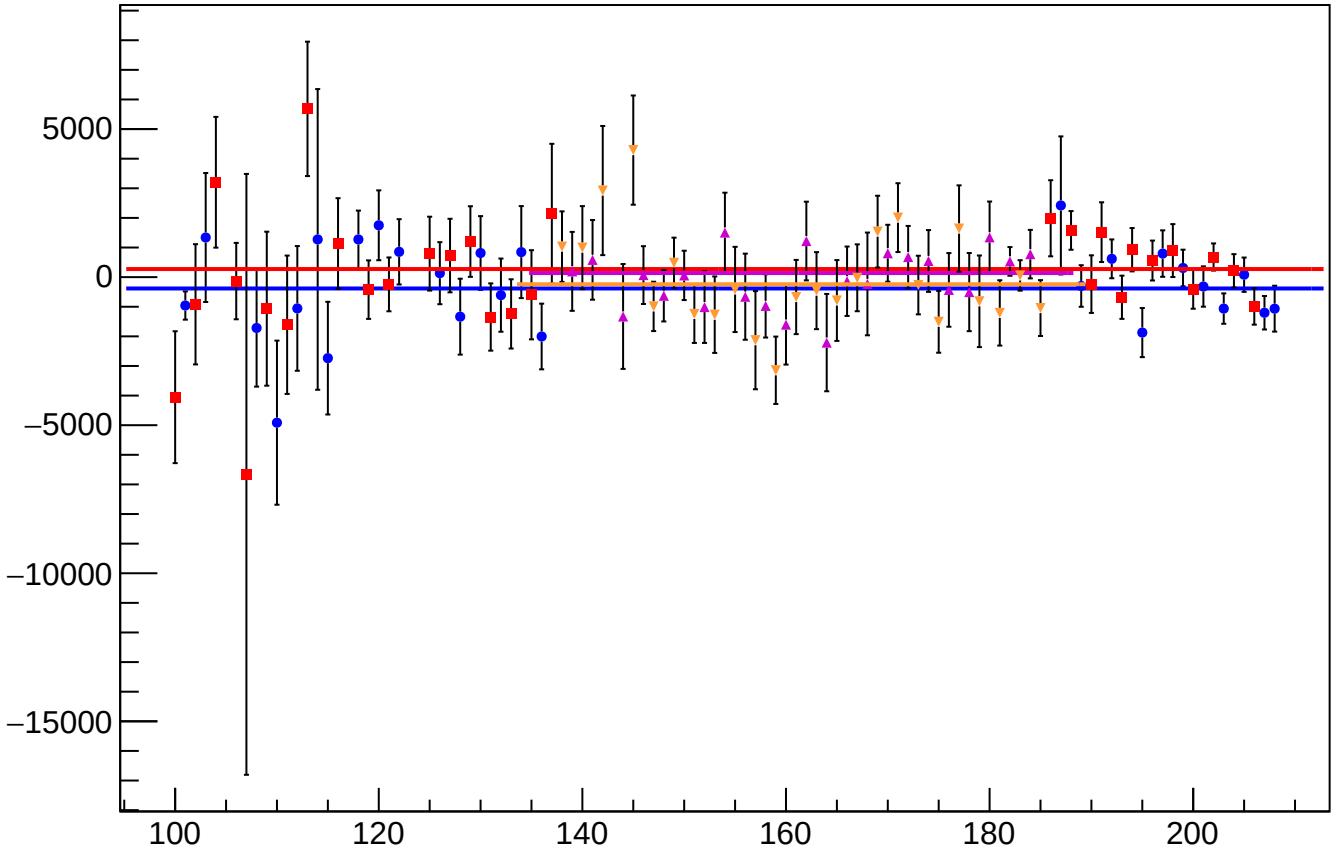
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1484.044+/-0.179 χ^2/NDF: 156080.2/50

All: 1492.583+/-0.127 χ^2/NDF: 487958.0/103

- sign 1501.289+/-0.181 χ^2/NDF: 327287.6/52

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -383.019+/-166.327 χ^2/NDF: 34.7/26

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 273.483+/-172.474 χ^2/NDF: 36.6/29

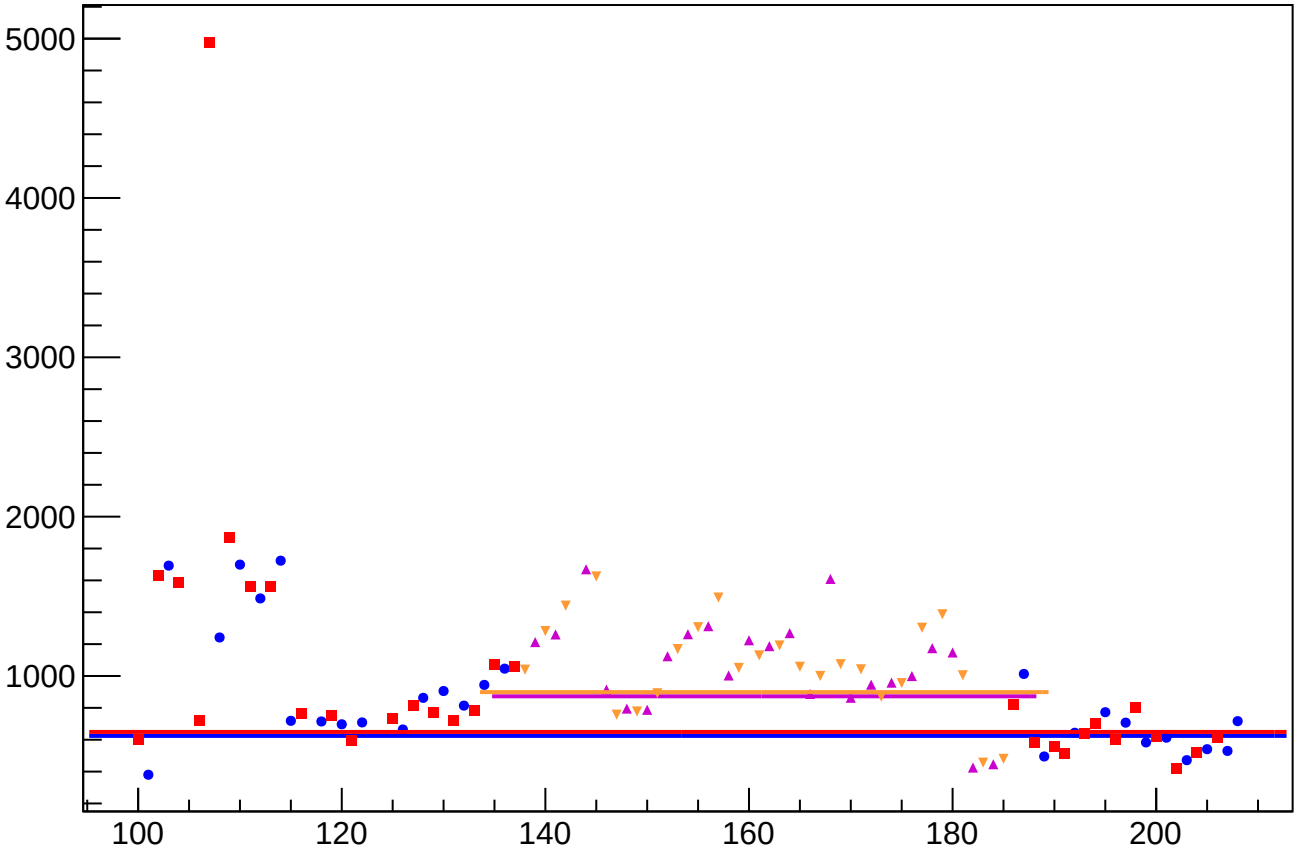
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -331.634+/-133.066 χ^2/NDF: 67.4/50

All: -59.761+/-94.897 χ^2/NDF: 125.7/103

- sign 221.628+/-135.375 χ^2/NDF: 49.8/52

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 624.073+/-0.118 χ^2/NDF: 3090415.9/26

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 648.918+/-0.122 χ^2/NDF: 3455028.8/29

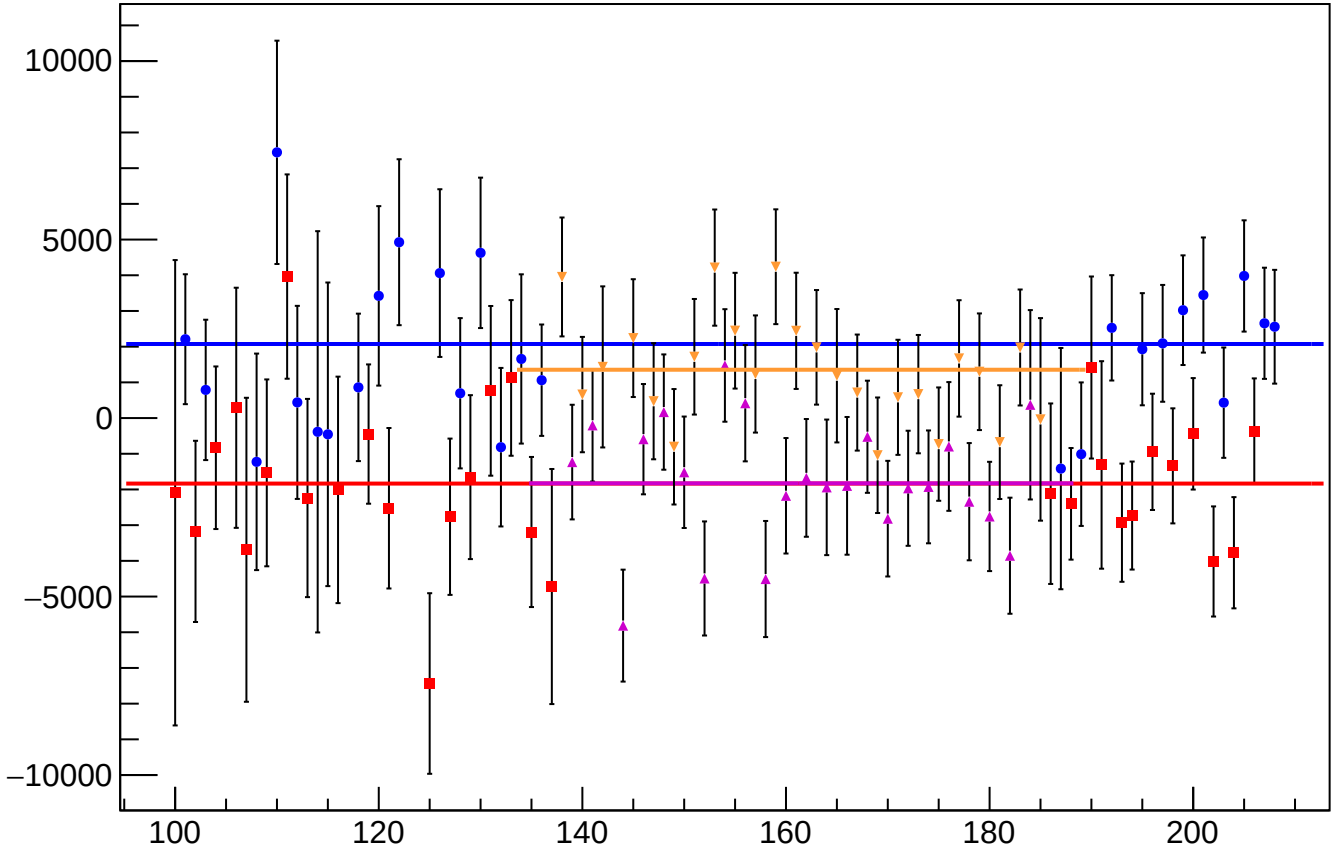
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 722.982+/-0.094 χ^2/NDF: 8846740.0/50

All: 728.764+/-0.067 χ^2/NDF: 18035015.5/10

- sign 734.749+/-0.096 χ^2/NDF: 9180591.1/52

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2074.641+/-377.553 χ^2/NDF: 19.9/26

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1835.295+/-382.471 χ^2/NDF: 23.4/29

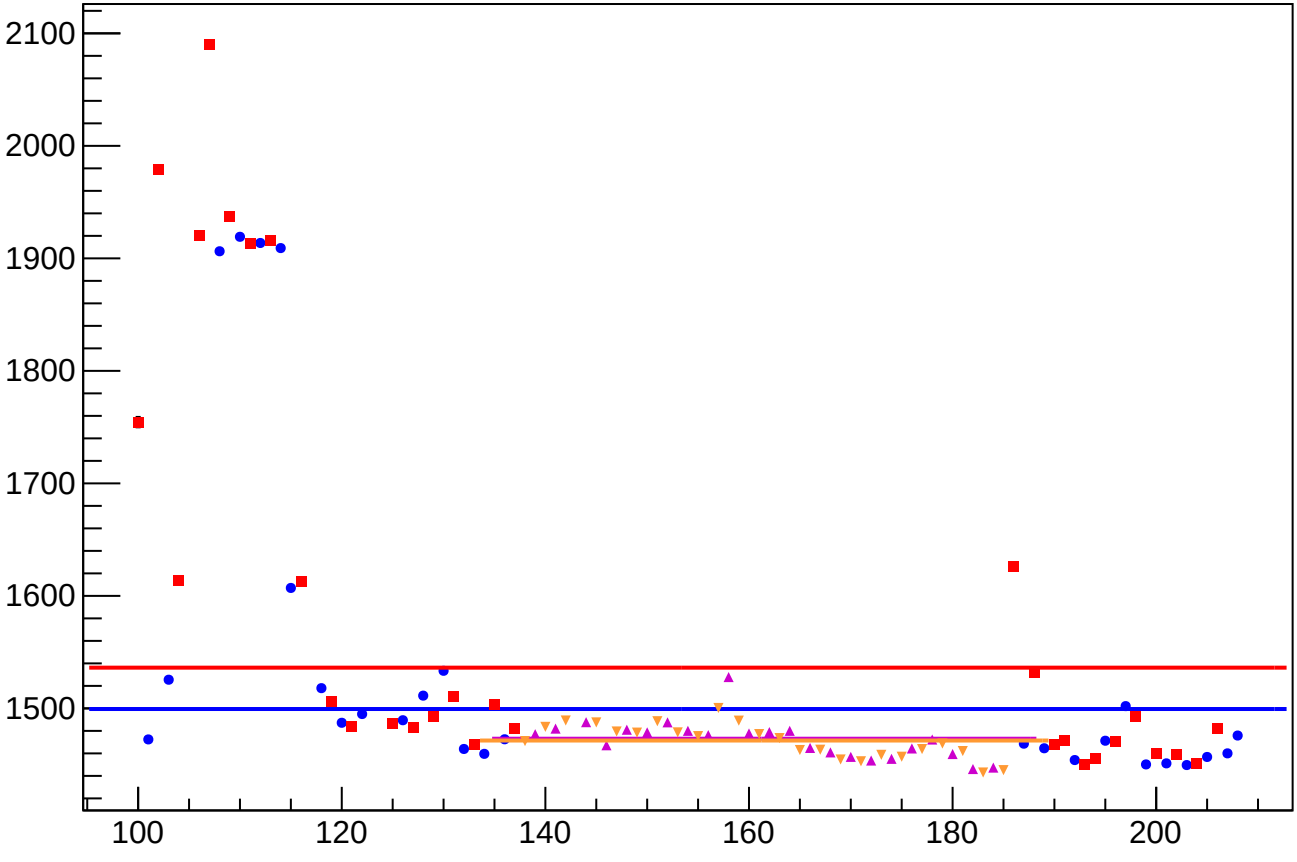
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1678.177+/-253.295 χ^2/NDF: 40.8/50

All: -59.698+/-179.968 χ^2/NDF: 185.1/103

- sign -1831.400+/-255.748 χ^2/NDF: 49.3/52

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1499.448+/-0.267 χ^2/NDF: 146589.3/26

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

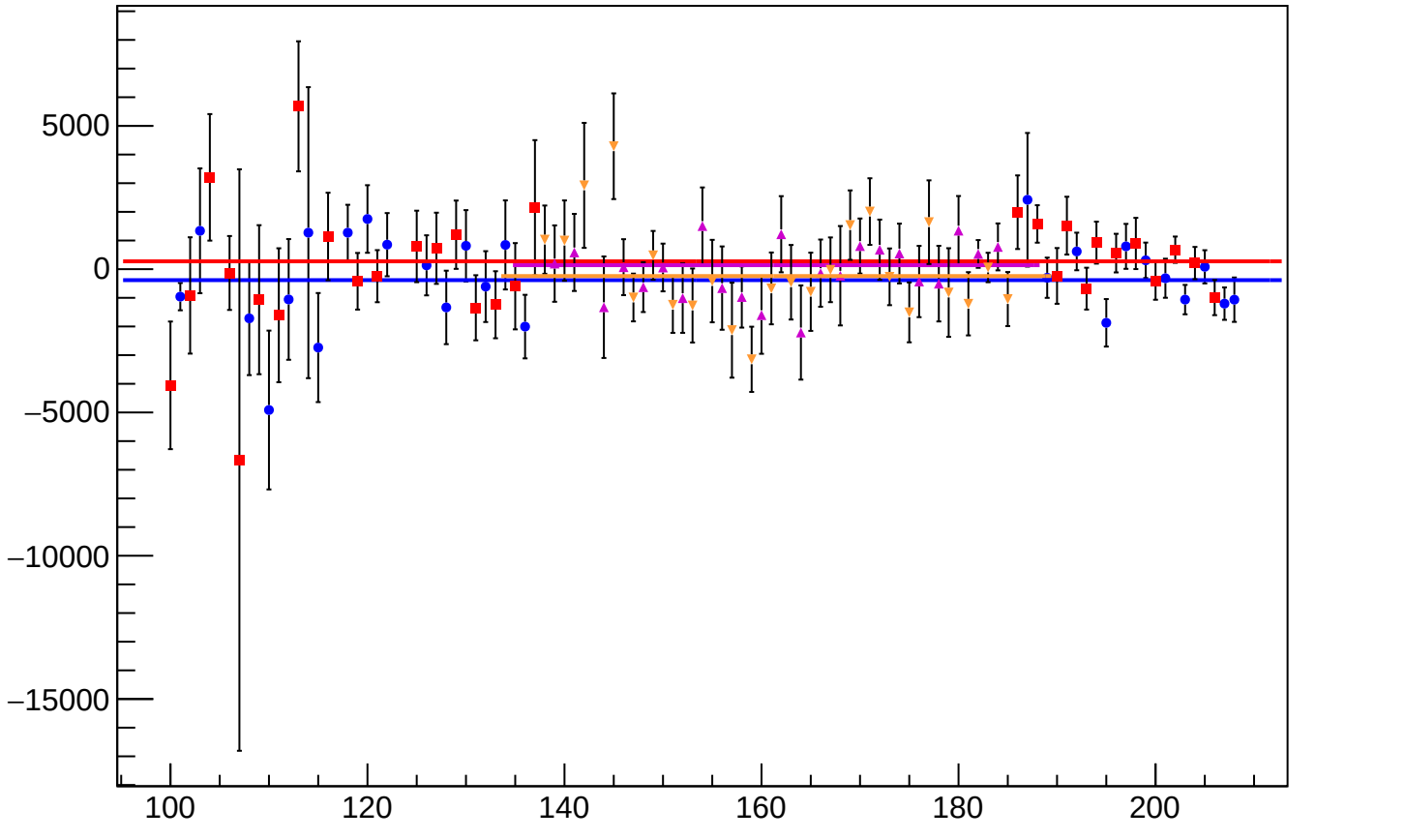
Right Out: 1536.208+/-0.270 χ^2/NDF: 292382.4/29

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1484.044+/-0.179 χ^2/NDF: 156080.1/50

All: 1492.583+/-0.127 χ^2/NDF: 487957.3/103

- sign 1501.289+/-0.181 χ^2/NDF: 327287.0/52



Right In: -383.019+/-166.327 χ^2/NDF: 34.7/26

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: 273.483+/-172.474 χ^2/NDF: 36.6/29

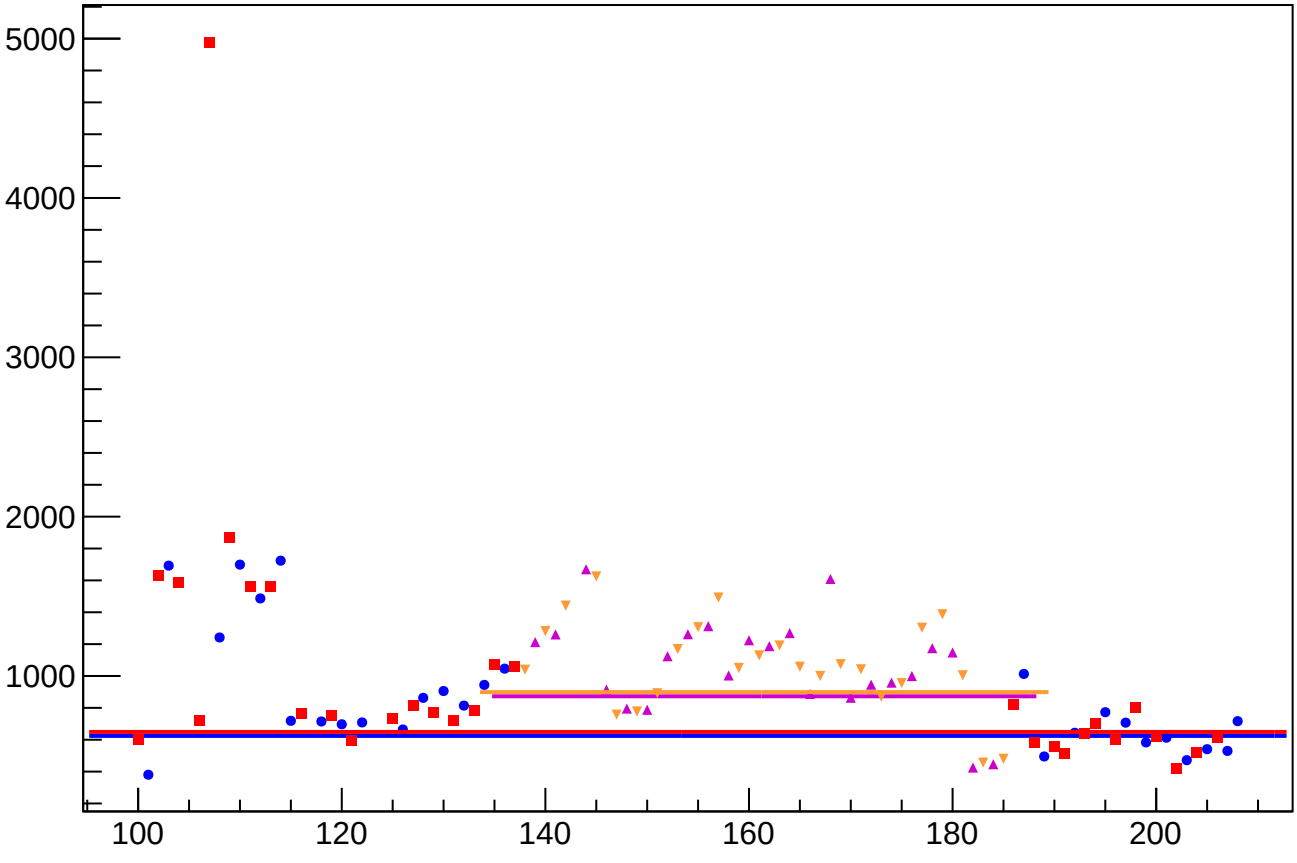
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -331.634+/-133.066 χ^2/NDF: 67.4/50

All: -59.761+/-94.897 χ^2/NDF: 125.7/103

- sign 221.628+/-135.375 χ^2/NDF: 49.8/52

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 624.074+/-0.118 χ^2/NDF: 3090410.1/26

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

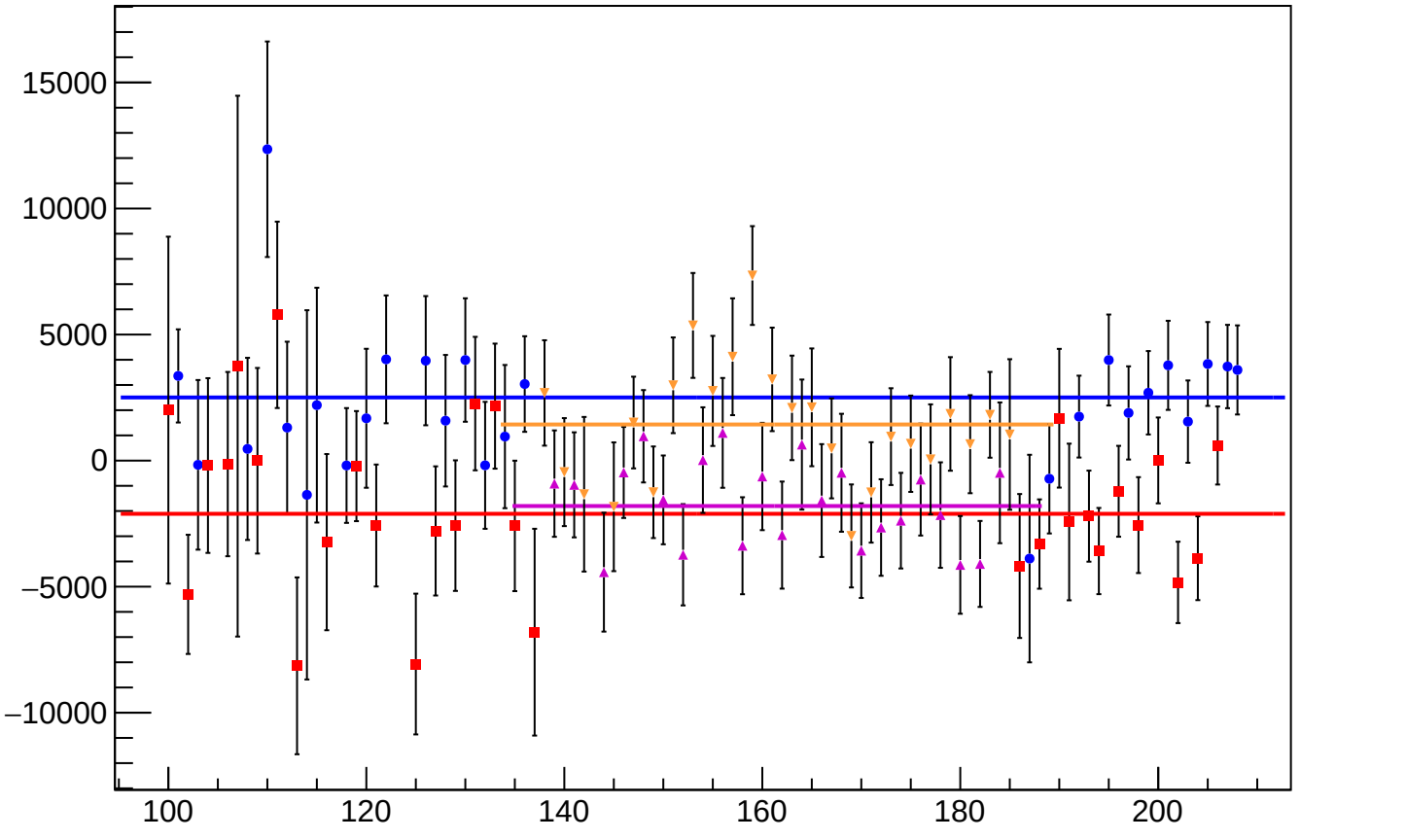
Right Out: 648.919+/-0.122 χ^2/NDF: 3455024.9/29

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 722.983+/-0.094 χ^2/NDF: 8846746.2/50

All: 728.765+/-0.067 χ^2/NDF: 18035030.1/10

- sign 734.749+/-0.096 χ^2/NDF: 9180599.5/52



Right In: 2505.248+/-425.325 χ^2/NDF: 19.1/26

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -2110.447+/-429.550 χ^2/NDF: 36.0/29

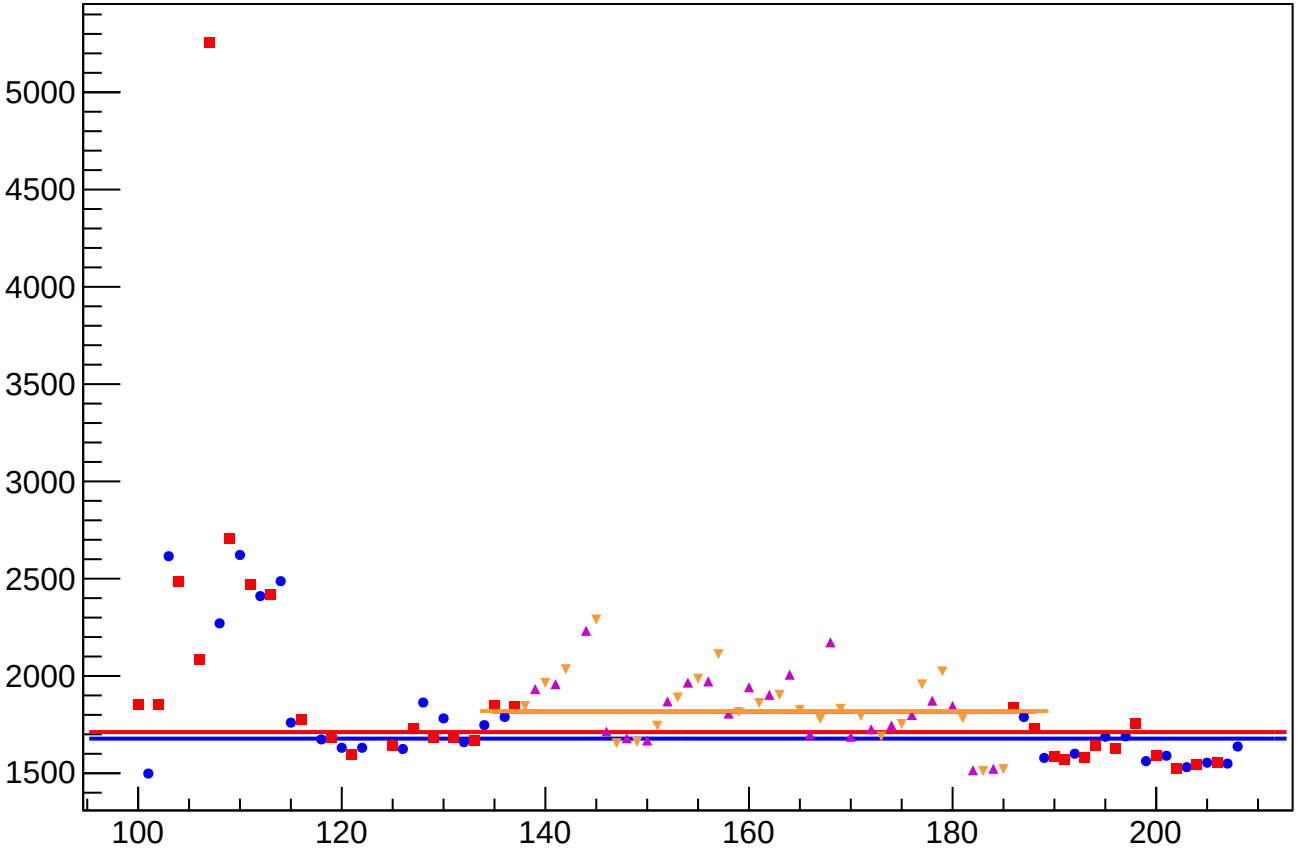
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1968.196+/-300.446 χ^2/NDF: 51.7/50

All: 20.976+/-213.221 χ^2/NDF: 187.9/103

- sign -1954.888+/-302.647 χ^2/NDF: 51.6/52

asym_usl_atl1_avg_rms vs Slug



Right In: 1677.996+/-0.301 χ^2/NDF: 532413.1/26

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1711.567+/-0.304 χ^2/NDF: 782758.6/29

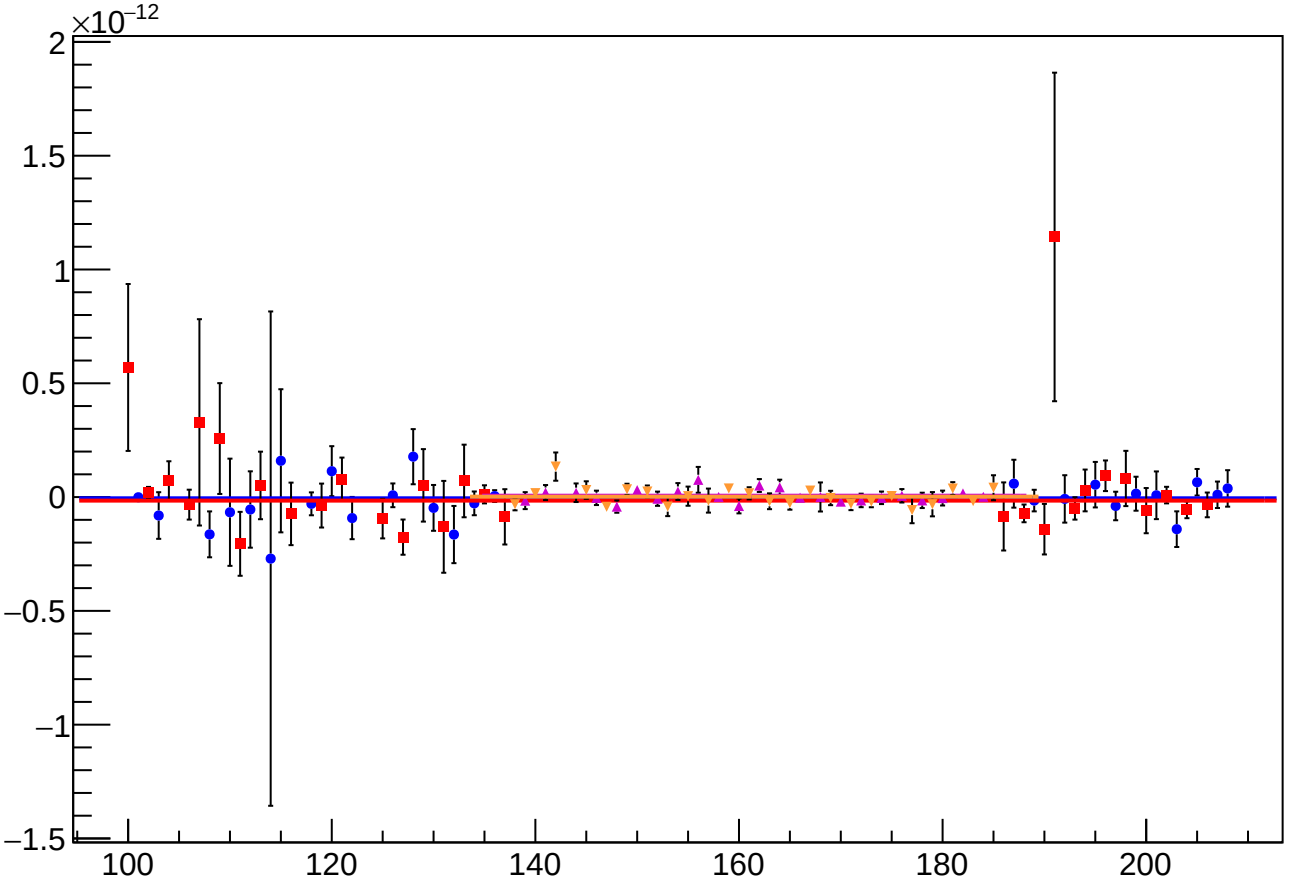
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1748.850+/-0.212 χ^2/NDF: 938209.8/50

All: 1756.733+/-0.151 χ^2/NDF: 2091686.0/10

- sign 1764.733+/-0.214 χ^2/NDF: 1150702.0/52

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

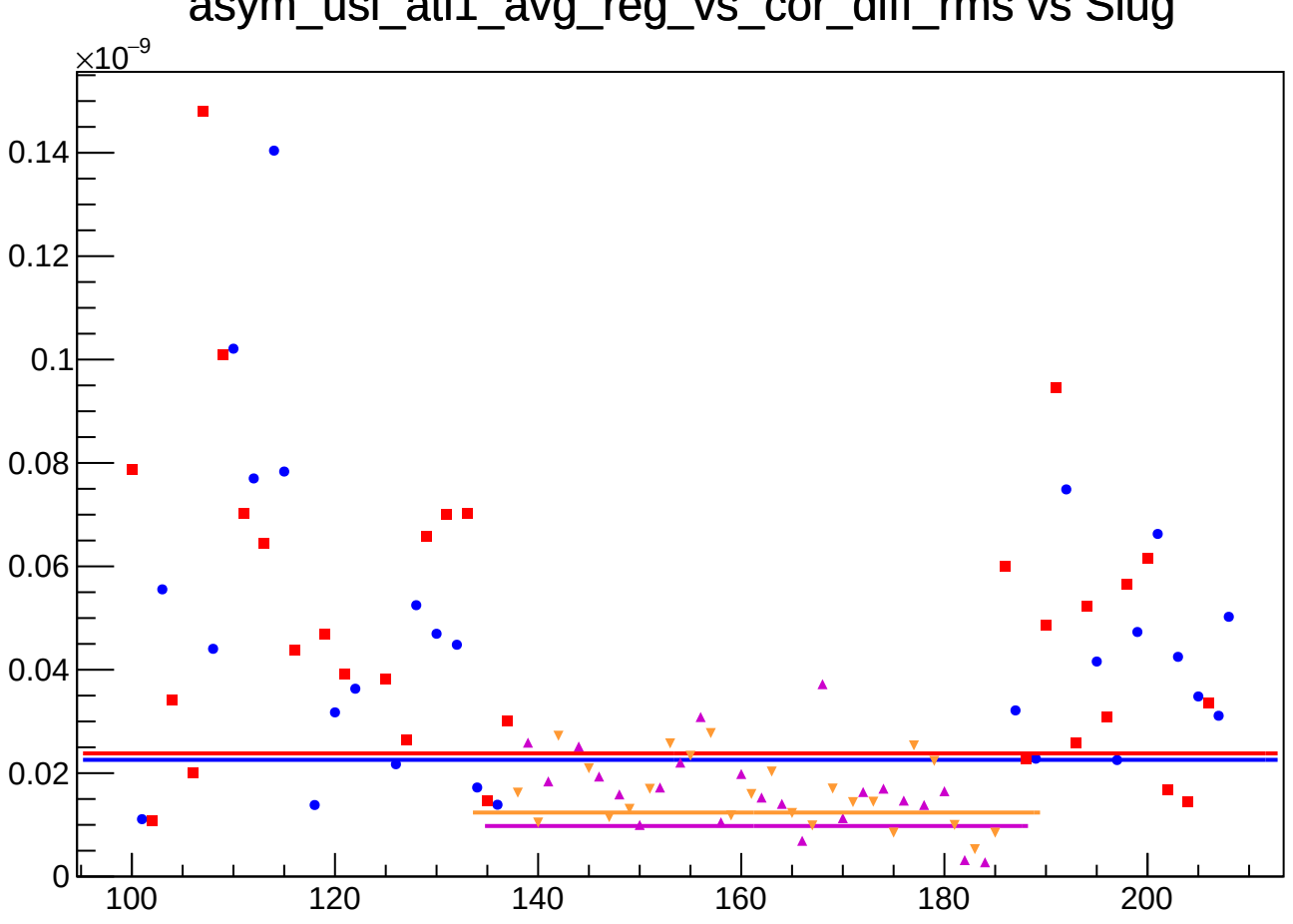
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/29

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.9/50

All: 0.000+/-0.000 χ^2/NDF: 96.3/103

- sign 0.000+/-0.000 χ^2/NDF: 50.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 3805933.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3279109.1/29

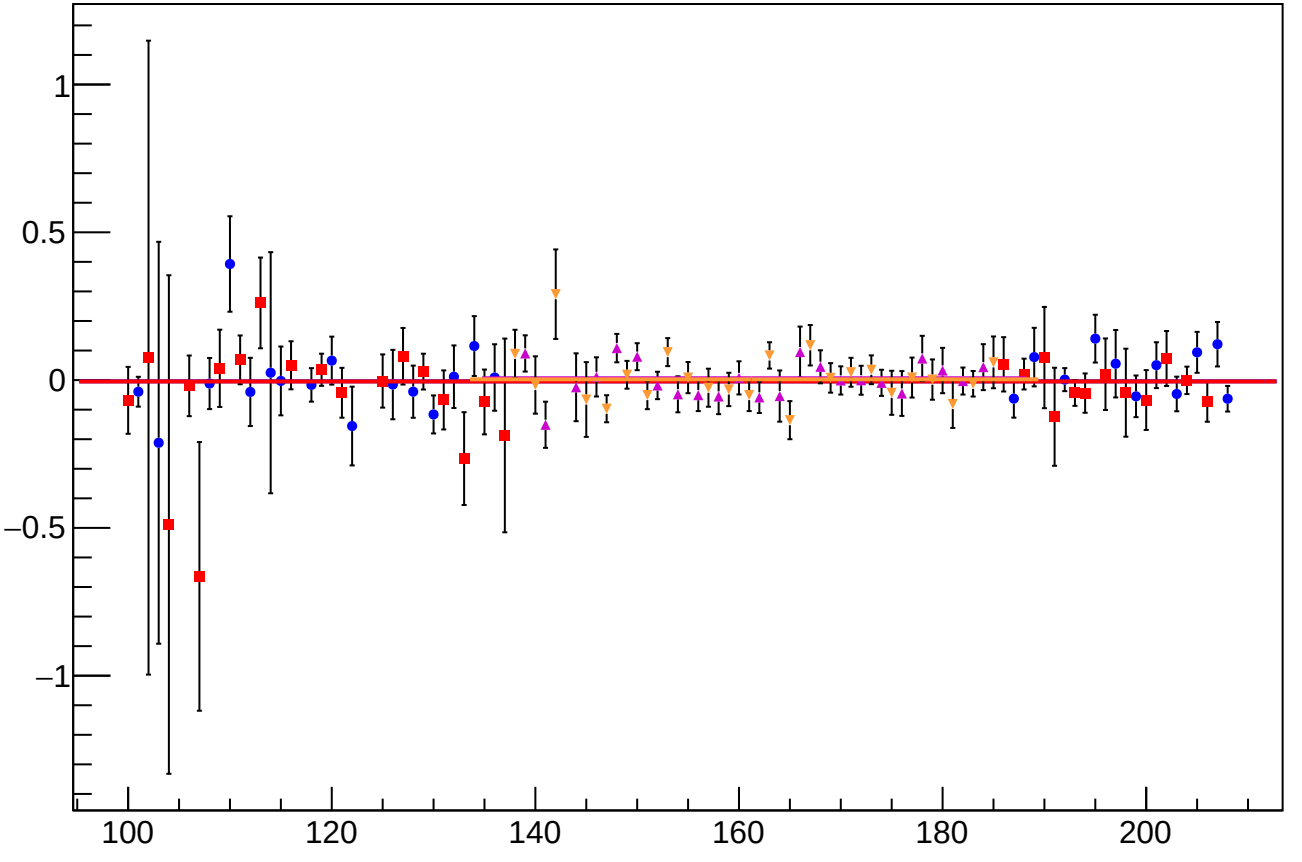
Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7056612.6/50

All: 0.000+/-0.000 χ^2/NDF: 17548821.4/103

- sign 0.000+/-0.000 χ^2/NDF: 10157868.6/52

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.014 χ^2/NDF: 26.6/26

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.005+/-0.016 χ^2/NDF: 17.5/29

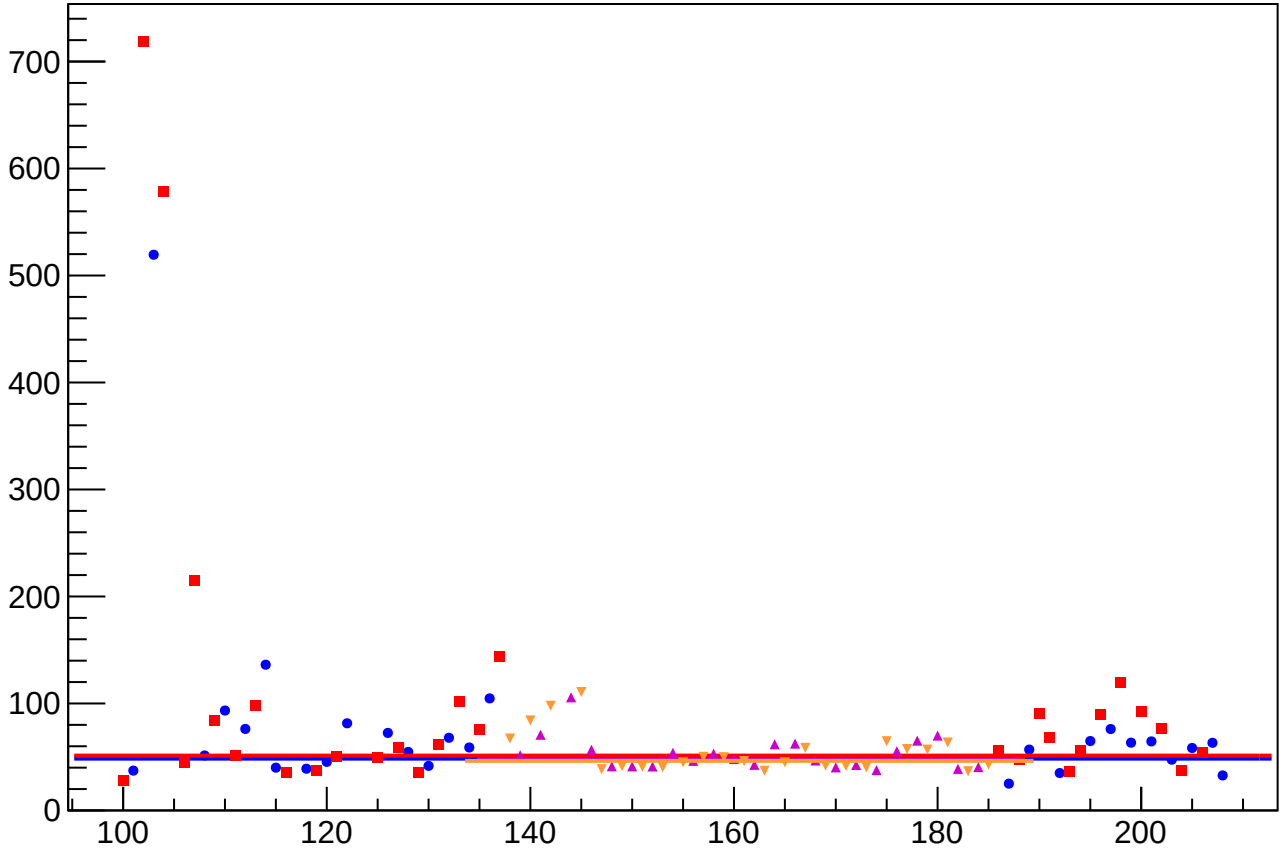
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.000+/-0.009 χ^2/NDF: 56.6/50

All: 0.001+/-0.007 χ^2/NDF: 96.1/103

- sign 0.002+/-0.010 χ^2/NDF: 39.4/52

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 48.446+/-0.010 χ^2/NDF: 3596547.5/26

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

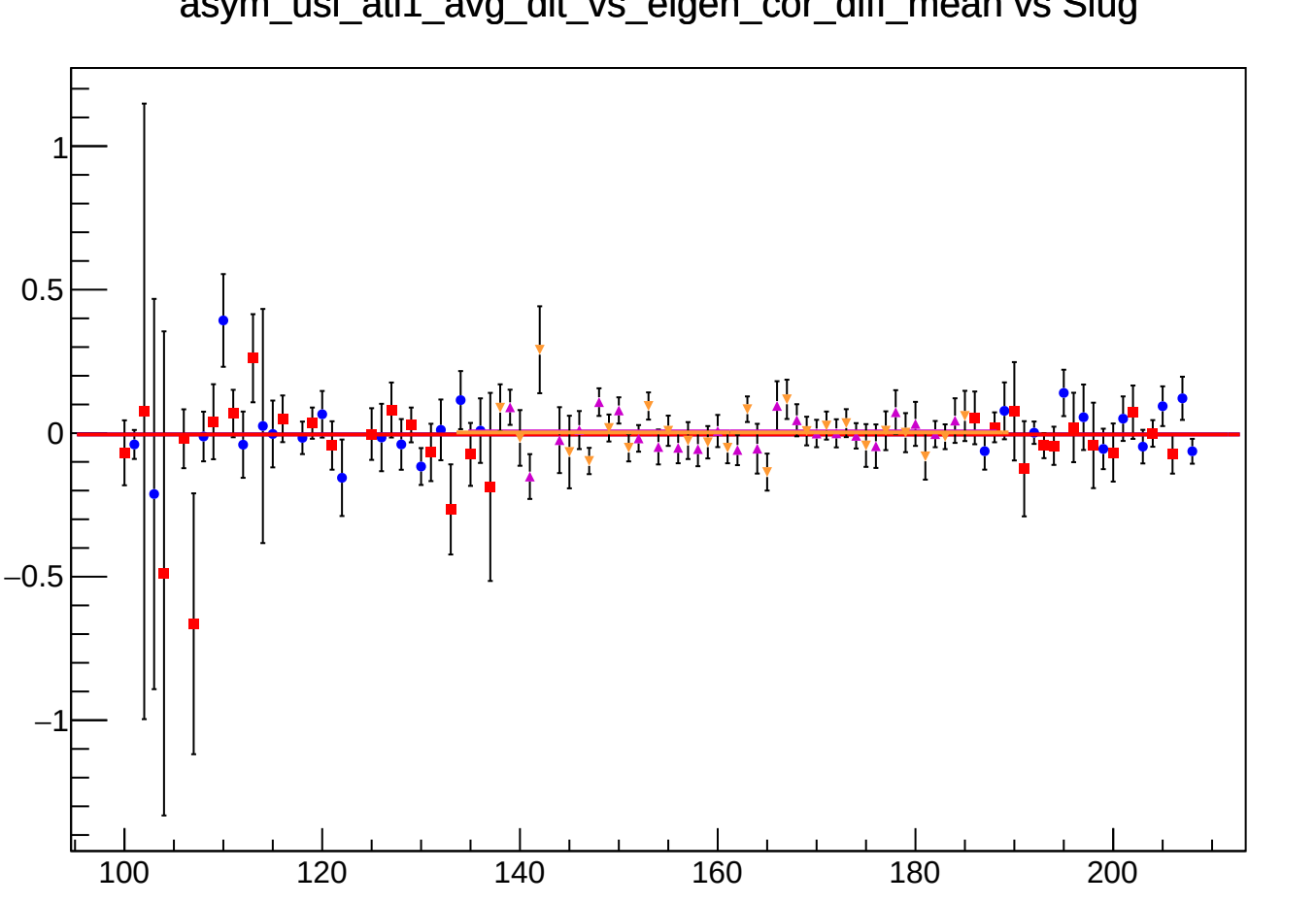
Right Out: 51.258+/-0.011 χ^2/NDF: 4733371.7/29

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.195+/-0.007 χ^2/NDF: 5589206.7/50

All: 48.043+/-0.005 χ^2/NDF: 12003682.7/103

- sign 48.963+/-0.007 χ^2/NDF: 6379023.8/52



Right In: -0.004+/-0.014 χ^2/NDF: 26.6/26

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.005+/-0.016 χ^2/NDF: 17.5/29

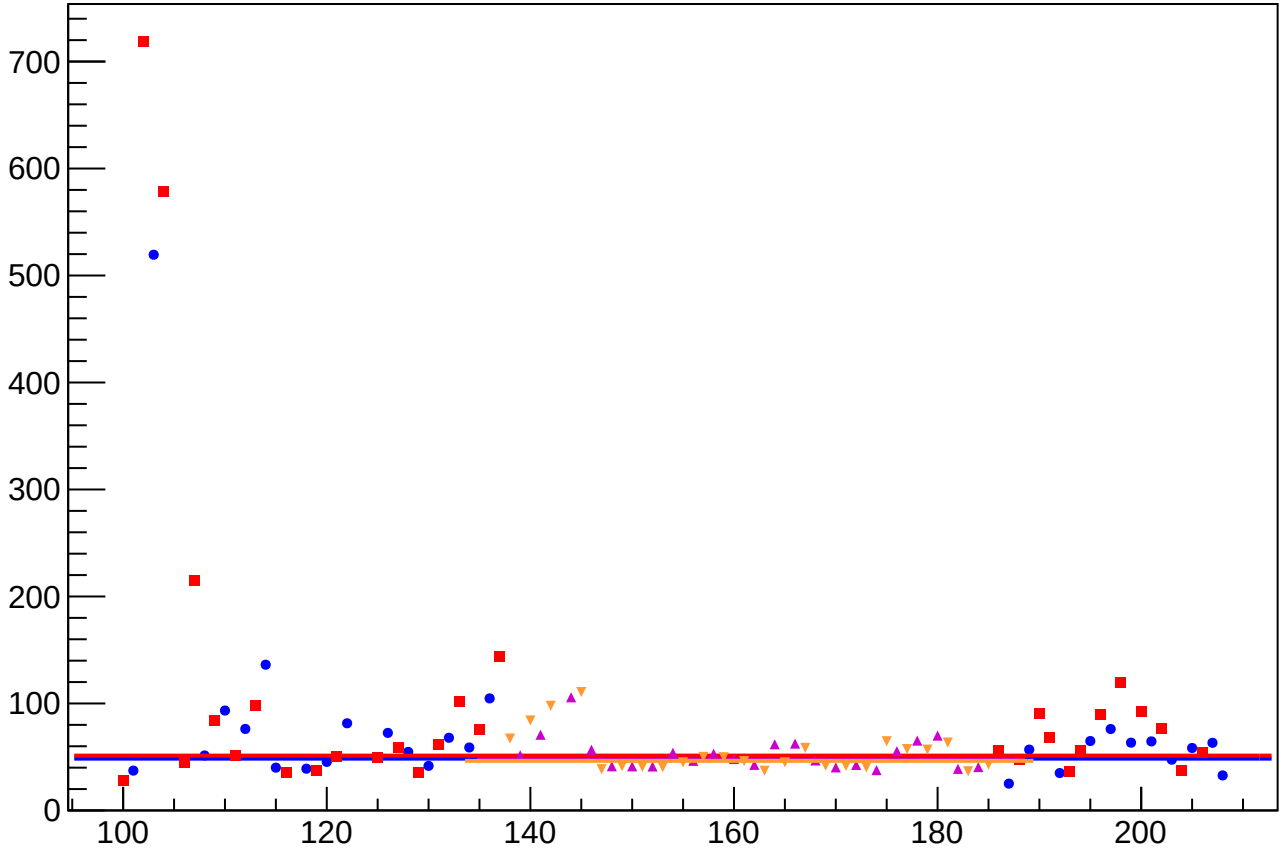
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.000+/-0.009 χ^2/NDF: 56.6/50

All: 0.001+/-0.007 χ^2/NDF: 96.1/103

- sign 0.002+/-0.010 χ^2/NDF: 39.4/52

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 48.446+/-0.010 χ^2/NDF: 3596547.5/26

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

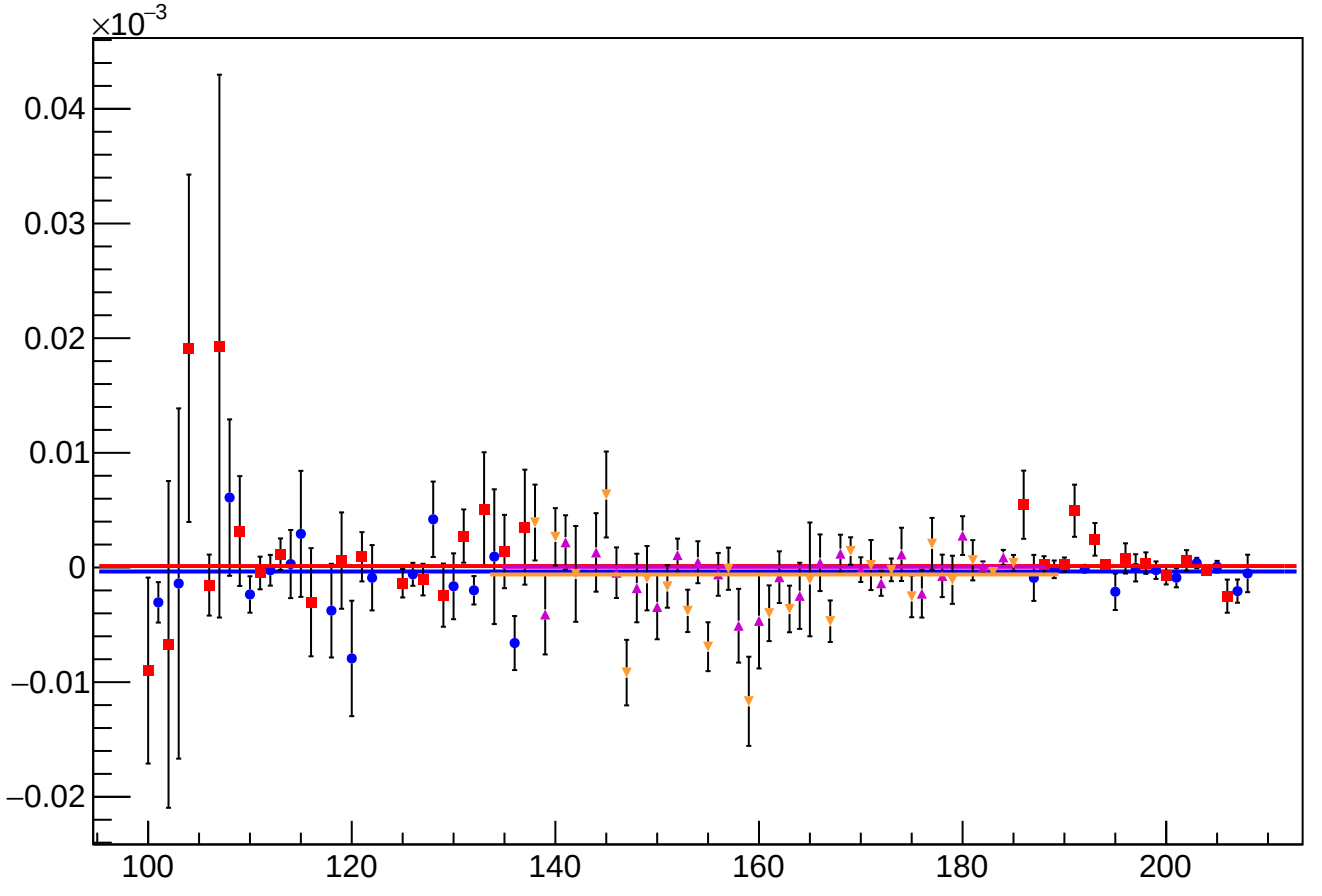
Right Out: 51.258+/-0.011 χ^2/NDF: 4733371.7/29

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.195+/-0.007 χ^2/NDF: 5589206.7/50

All: 48.043+/-0.005 χ^2/NDF: 12003682.7/103

- sign 48.963+/-0.007 χ^2/NDF: 6379023.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

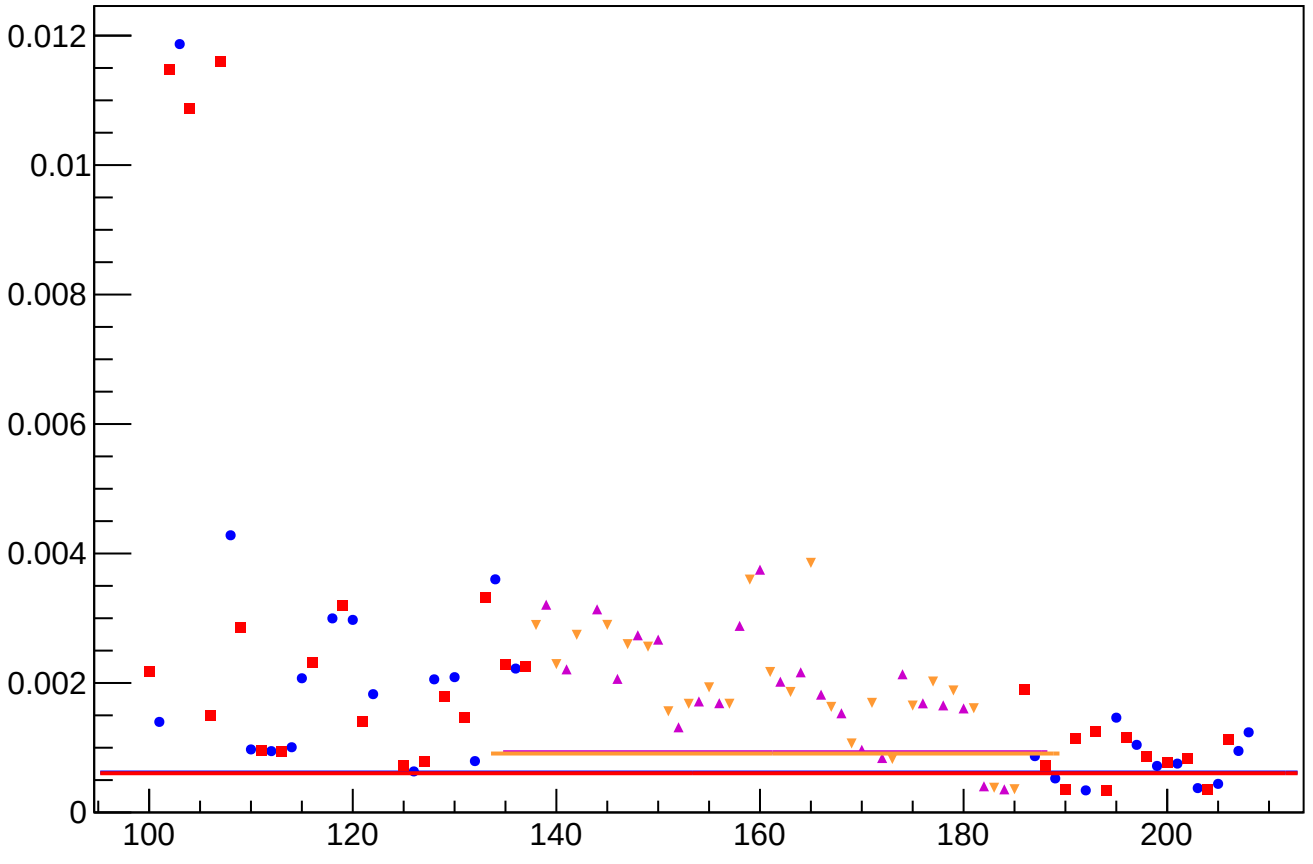
Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/29

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.1/50

All: -0.000+/-0.000 χ^2/NDF: 133.7/103

- sign 0.000+/-0.000 χ^2/NDF: 45.9/52



Right In: 0.001+/-0.000 χ^2/NDF: 9508335.7/26

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 10917287.8/29

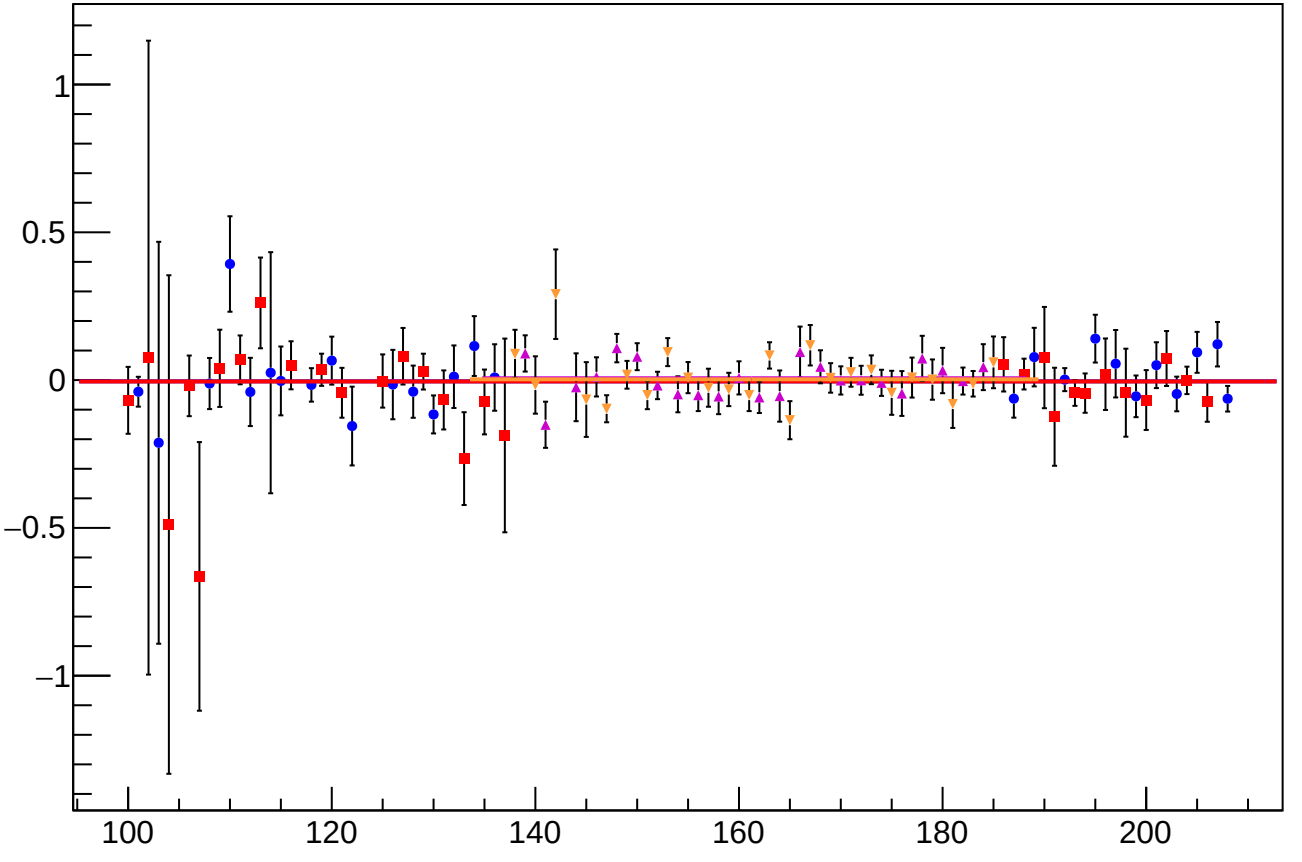
Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 25131839.5/50

All: 0.001+/-0.000 χ^2/NDF: 51539947.5/103

- sign 0.001+/-0.000 χ^2/NDF: 26407514.3/52

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.014 χ^2/NDF: 26.6/26

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.005+/-0.016 χ^2/NDF: 17.5/29

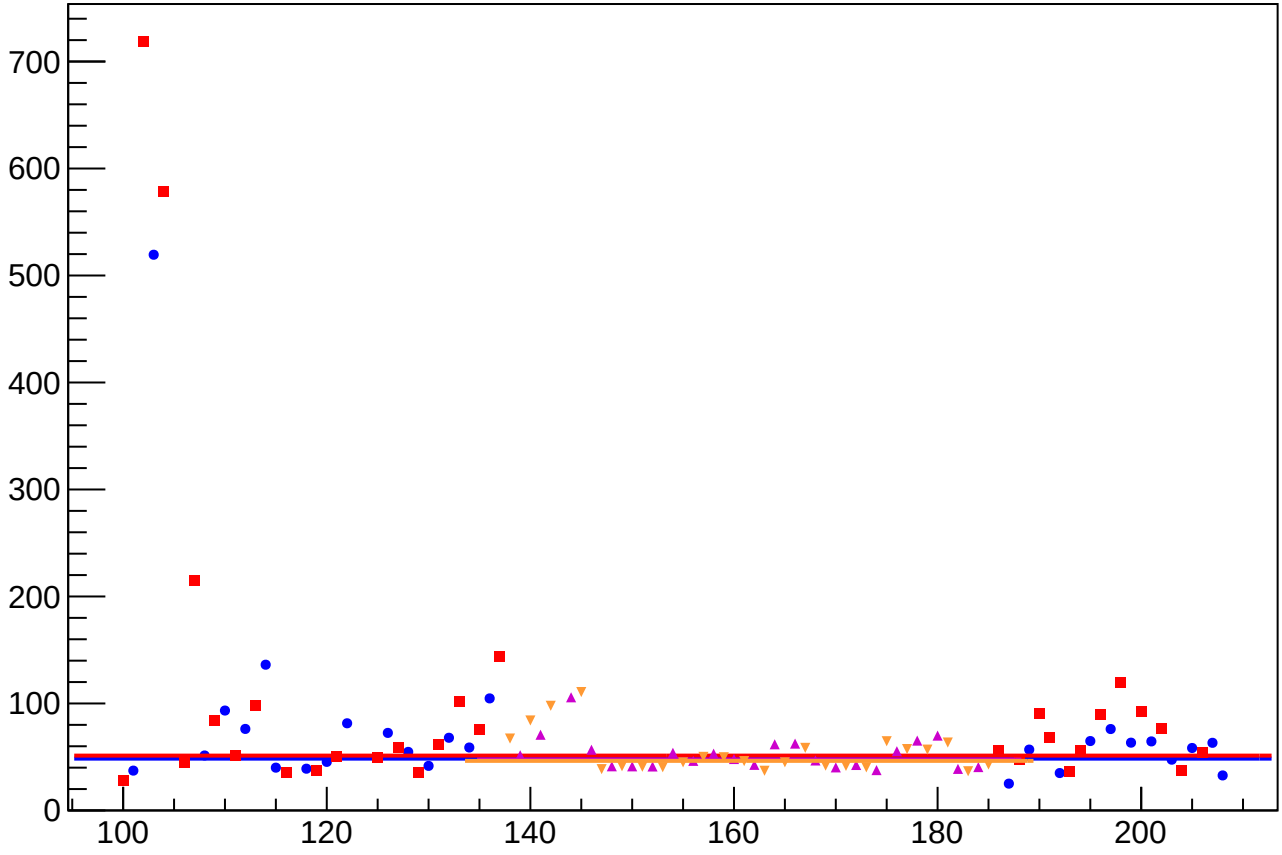
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.000+/-0.009 χ^2/NDF: 56.6/50

All: 0.001+/-0.007 χ^2/NDF: 96.1/103

- sign 0.002+/-0.010 χ^2/NDF: 39.4/52

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 48.446+/-0.010 χ^2/NDF: 3596571.5/26

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

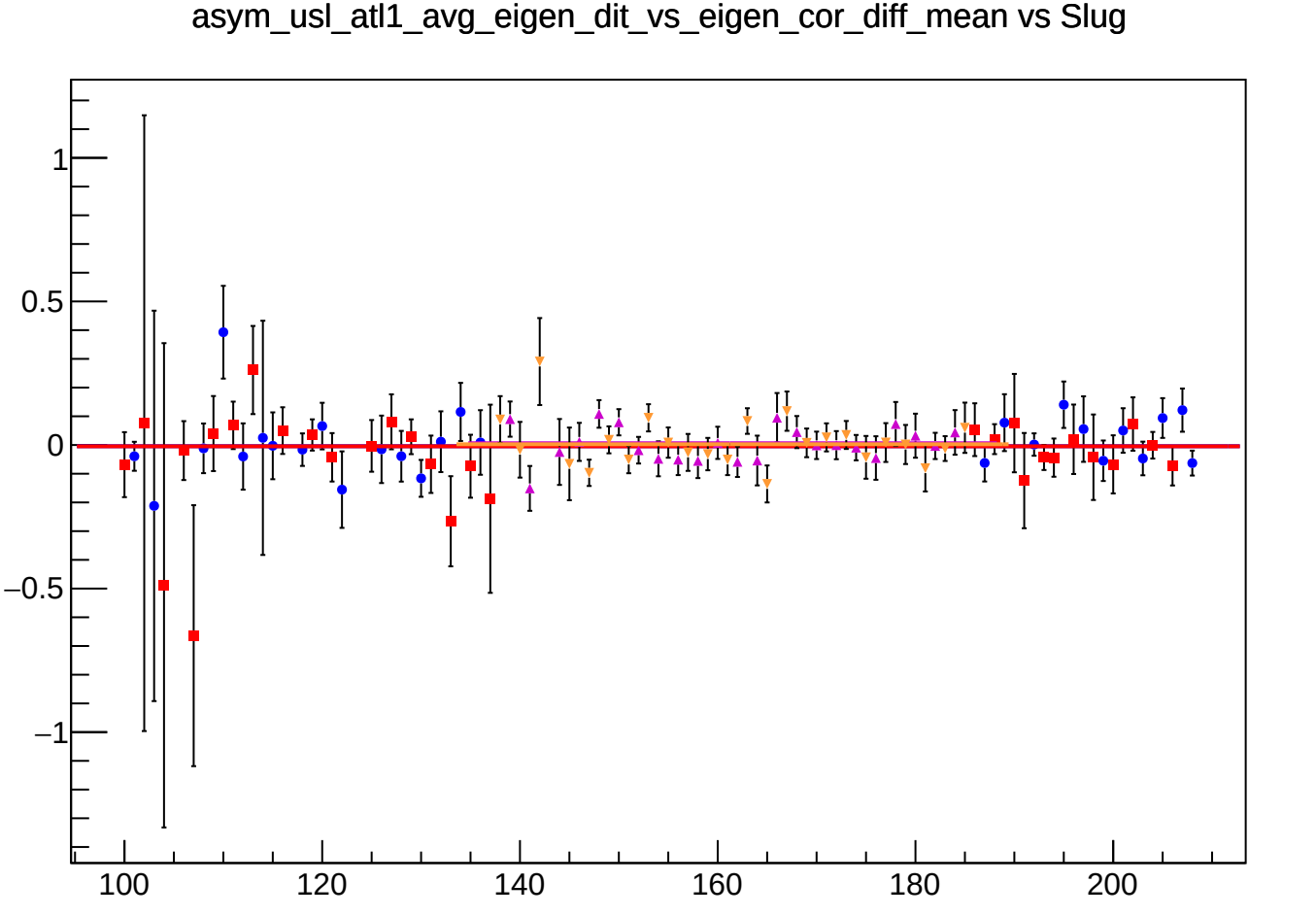
Right Out: 51.257+/-0.011 χ^2/NDF: 4733374.3/29

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.195+/-0.007 χ^2/NDF: 5589213.0/50

All: 48.043+/-0.005 χ^2/NDF: 12003683.4/103

- sign 48.963+/-0.007 χ^2/NDF: 6379022.7/52



Right In: -0.004+/-0.014 χ^2/NDF: 26.6/26

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

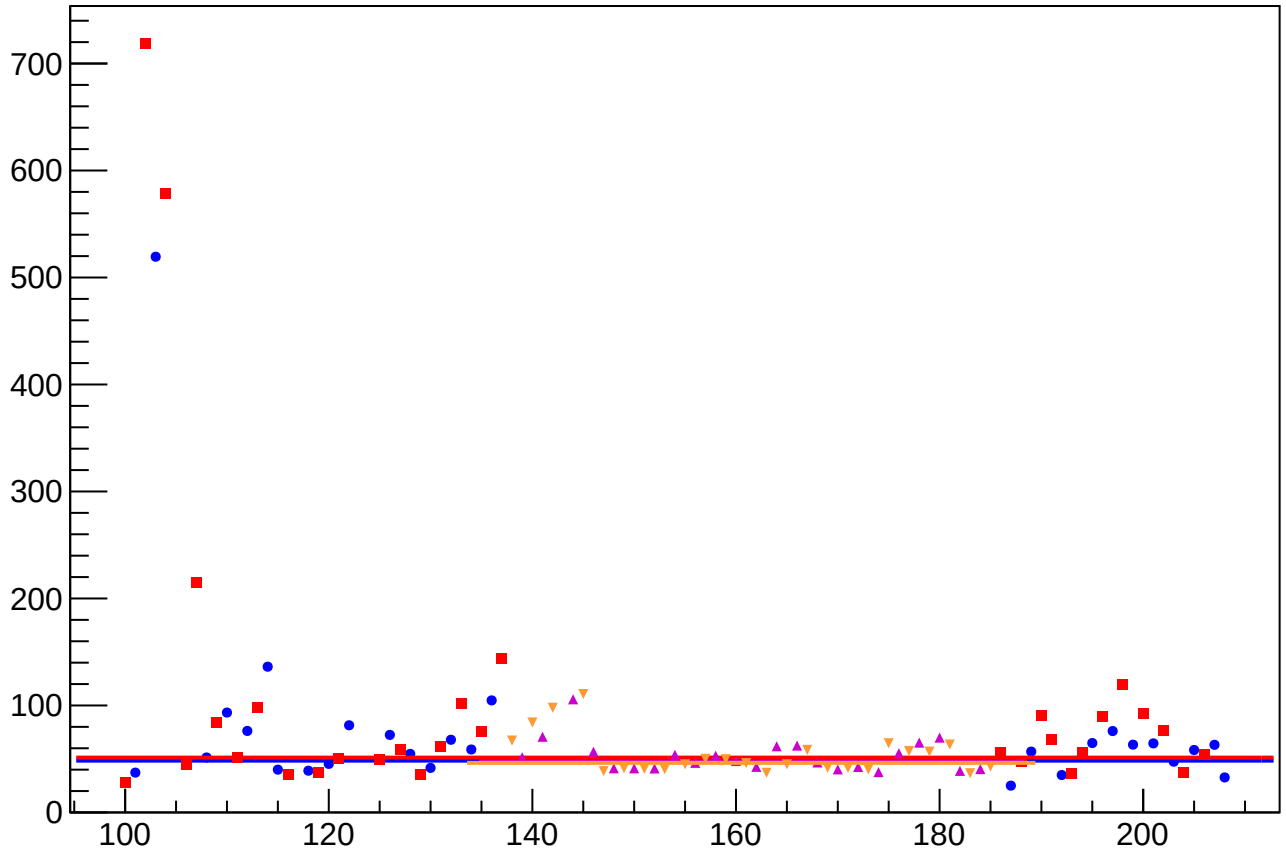
Right Out: -0.005+/-0.016 χ^2/NDF: 17.5/29

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.000+/-0.009 χ^2/NDF: 56.6/50

All: 0.001+/-0.007 χ^2/NDF: 96.1/103

- sign 0.002+/-0.010 χ^2/NDF: 39.4/52



Right In: 48.446+/-0.010 χ^2/NDF: 3596571.5/26

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

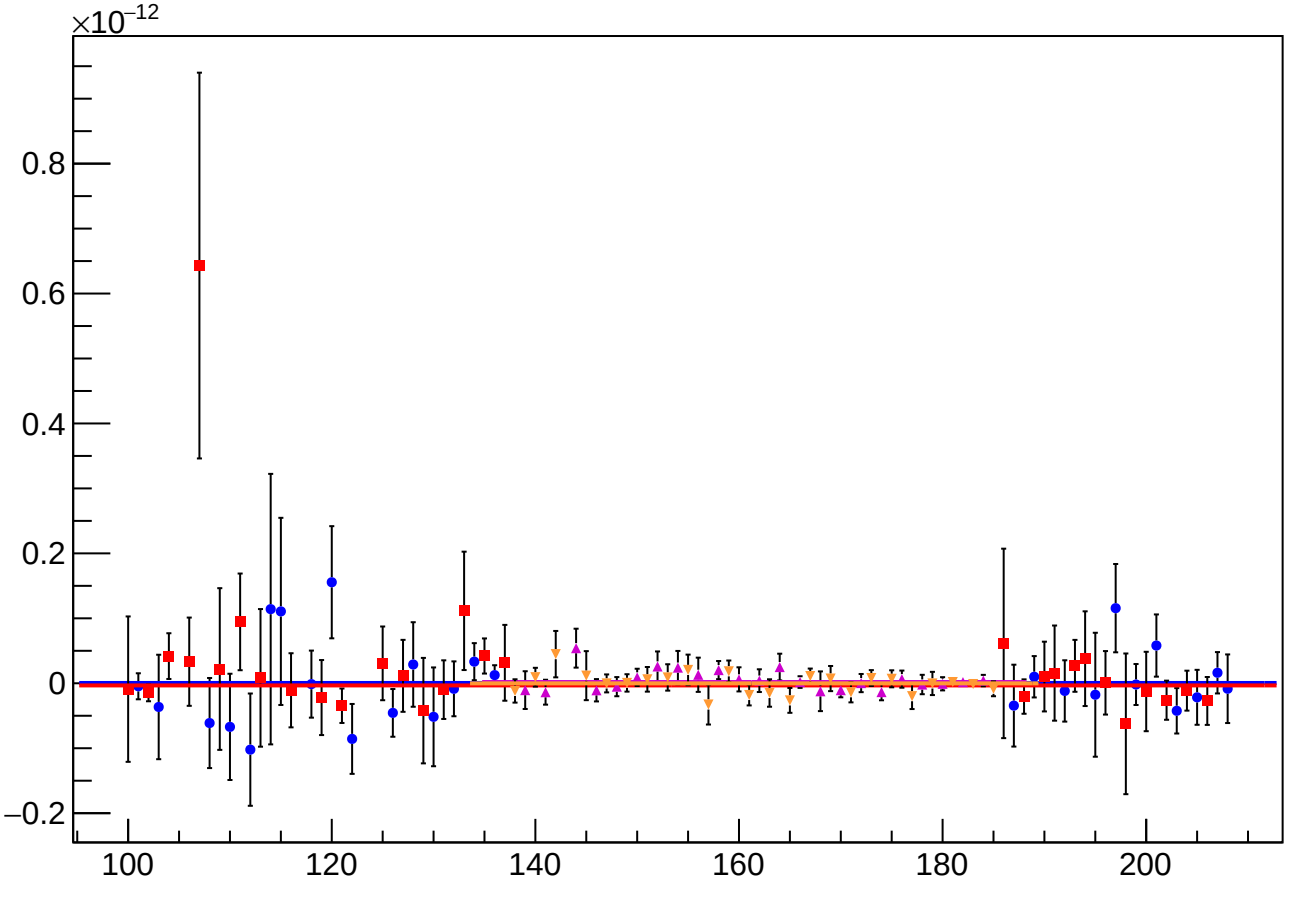
Right Out: 51.257+/-0.011 χ^2/NDF: 4733374.3/29

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.195+/-0.007 χ^2/NDF: 5589213.0/50

All: 48.043+/-0.005 χ^2/NDF: 12003683.4/103

- sign 48.963+/-0.007 χ^2/NDF: 6379022.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

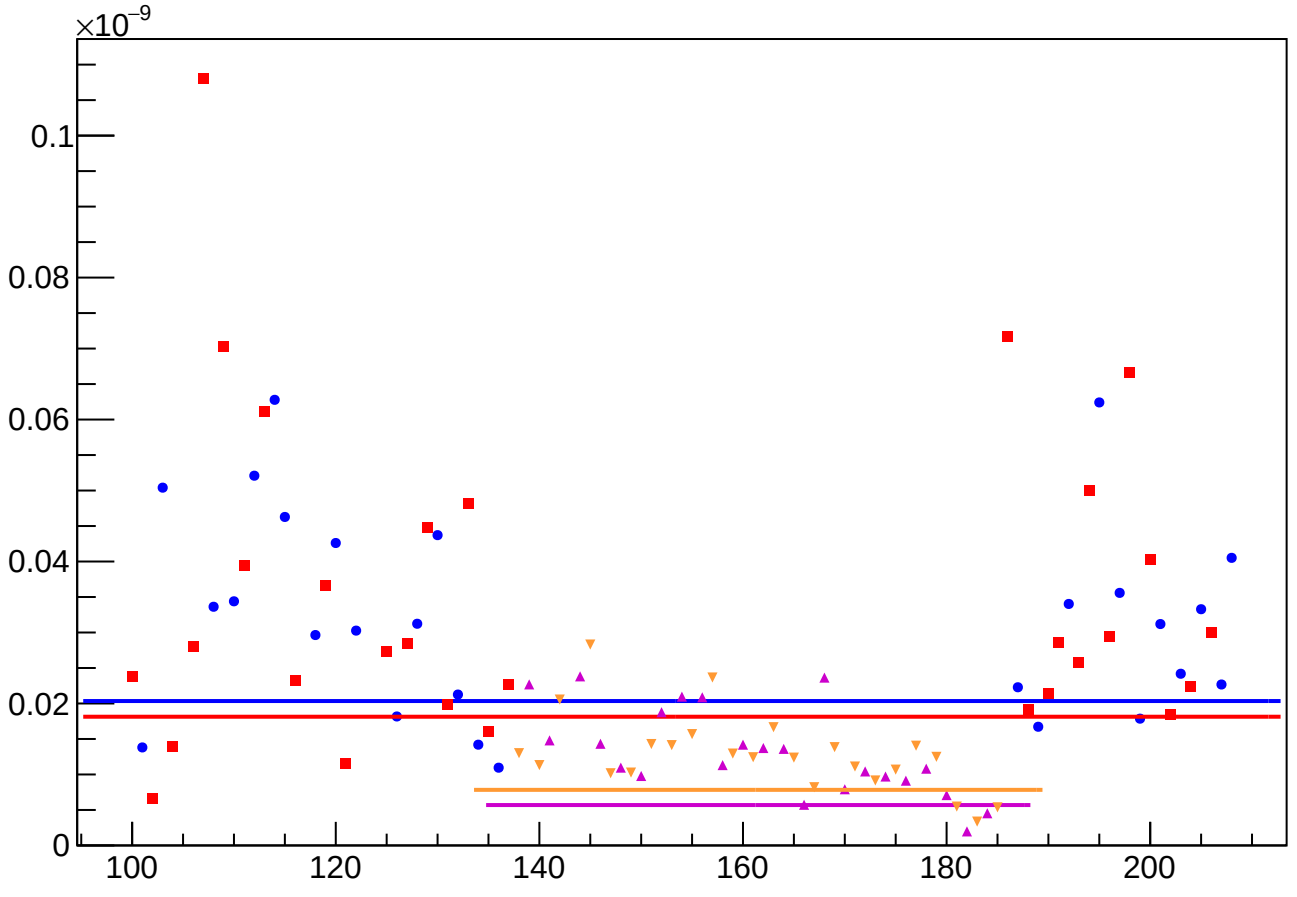
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/29

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.8/50

All: 0.000+/-0.000 χ^2/NDF: 68.1/103

- sign 0.000+/-0.000 χ^2/NDF: 33.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 3731675.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5392227.7/29

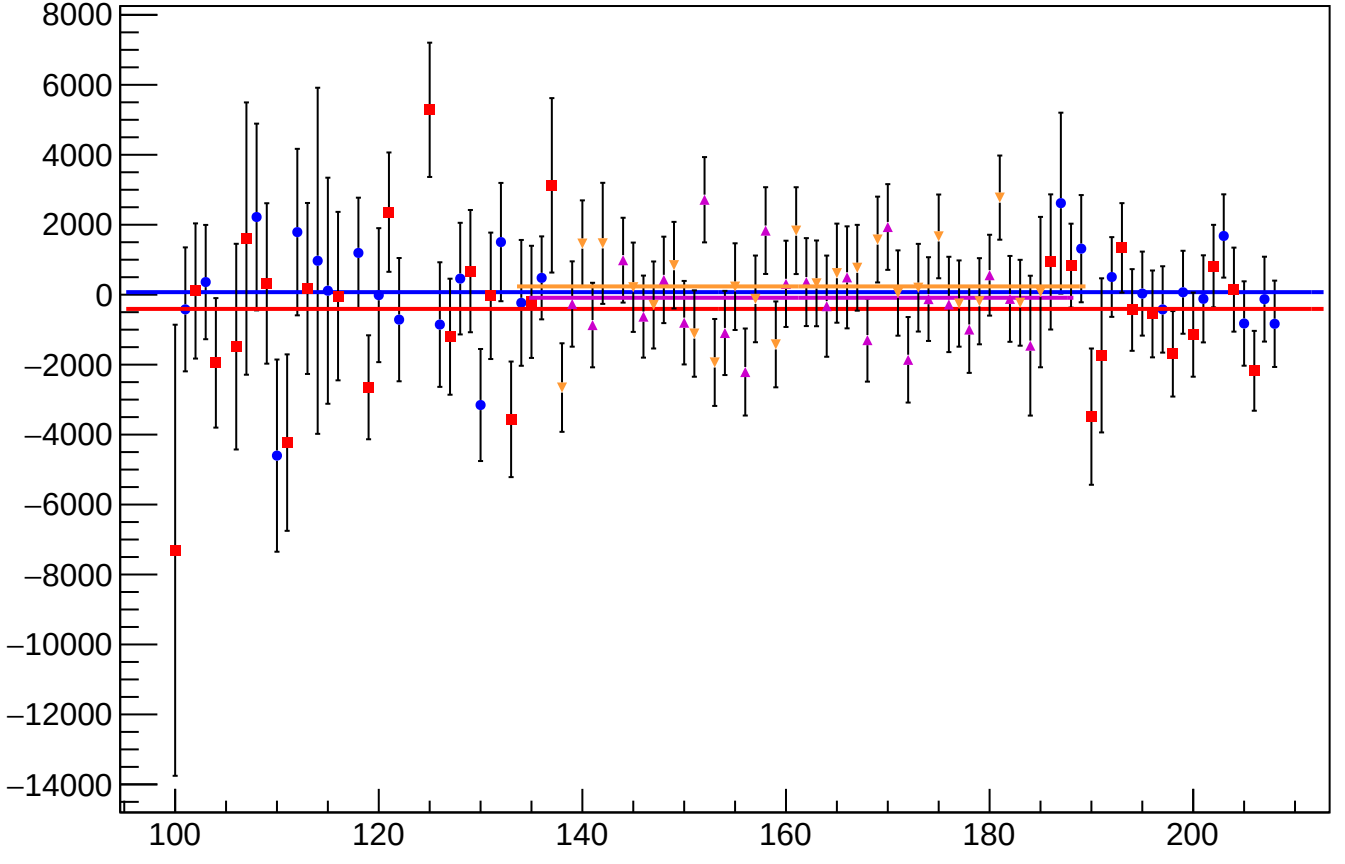
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 15075588.9/50

All: 0.000+/-0.000 χ^2/NDF: 38266195.5/103

- sign 0.000+/-0.000 χ^2/NDF: 22001274.0/52

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 72.656+/-294.616 χ^2/NDF: 15.1/26

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -406.737+/-296.186 χ^2/NDF: 36.3/29

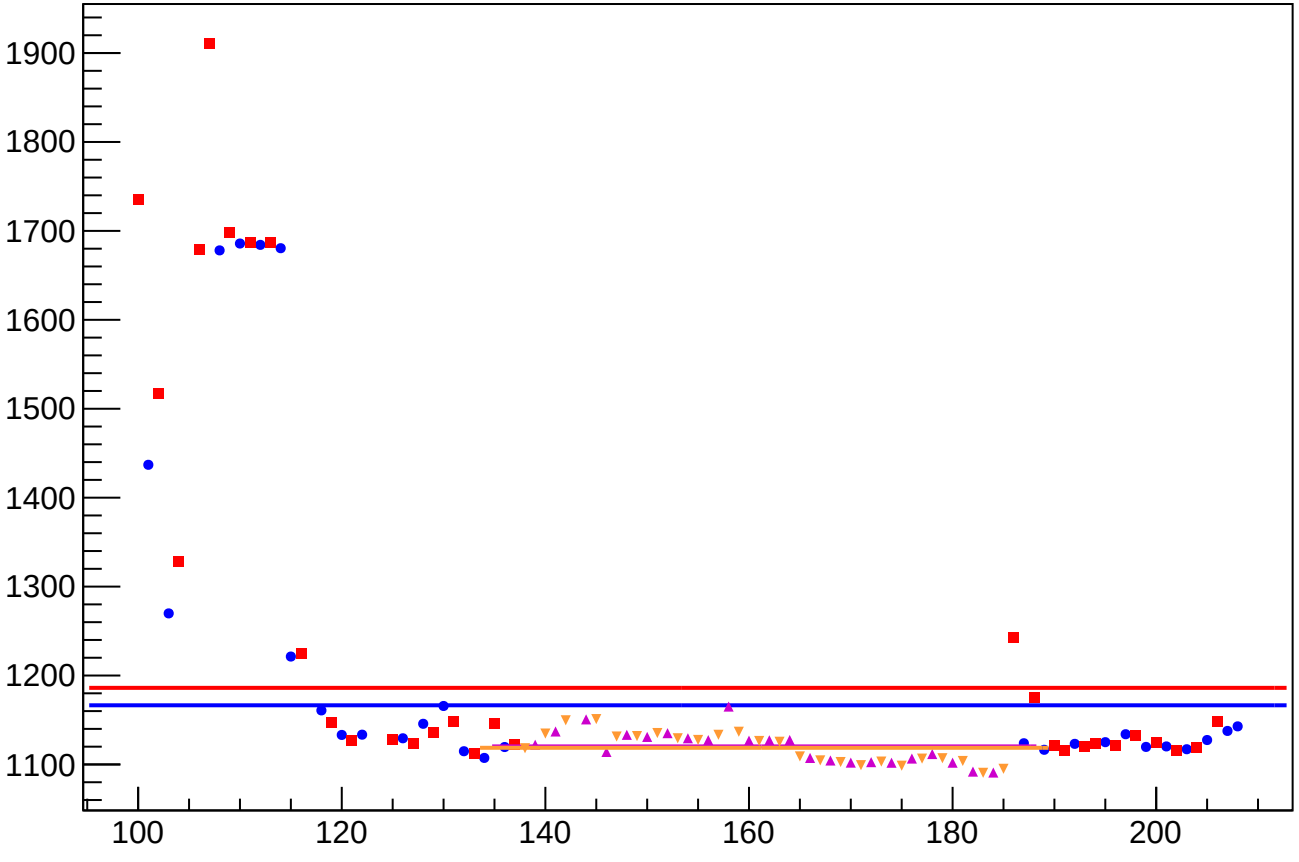
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 164.924+/-194.803 χ^2/NDF: 38.0/50

All: -30.210+/-138.194 χ^2/NDF: 97.8/103

- sign -227.896+/-196.073 χ^2/NDF: 57.8/52

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1166.531+/-0.208 χ^2/NDF: 348596.8/26

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1186.144+/-0.209 χ^2/NDF: 537928.4/29

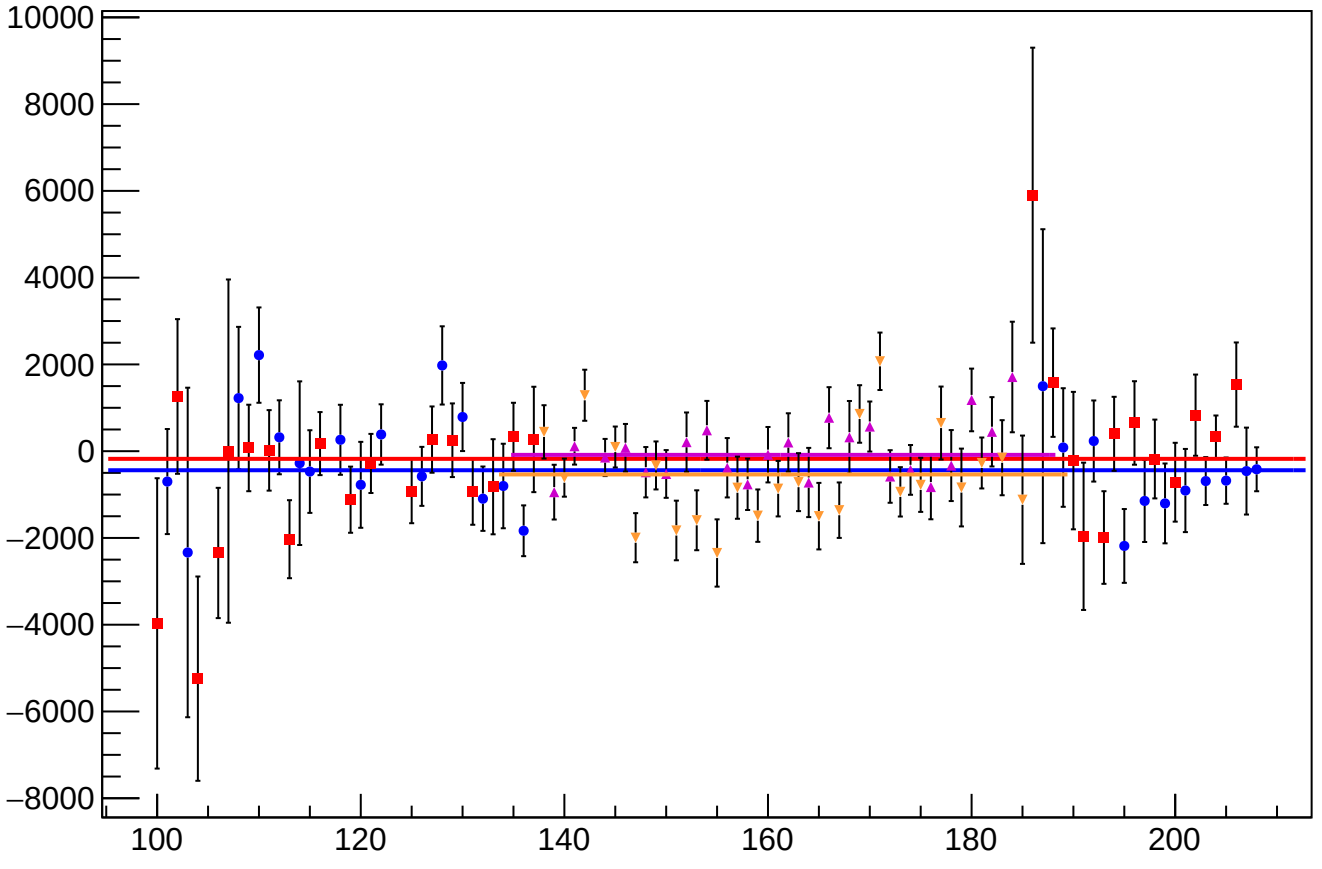
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1139.630+/-0.138 χ^2/NDF: 386428.2/50

All: 1144.364+/-0.098 χ^2/NDF: 991724.1/103

- sign 1149.160+/-0.139 χ^2/NDF: 602918.4/52

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -439.390+/-161.483 χ^2/NDF: 33.6/26

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -176.796+/-172.544 χ^2/NDF: 34.3/29

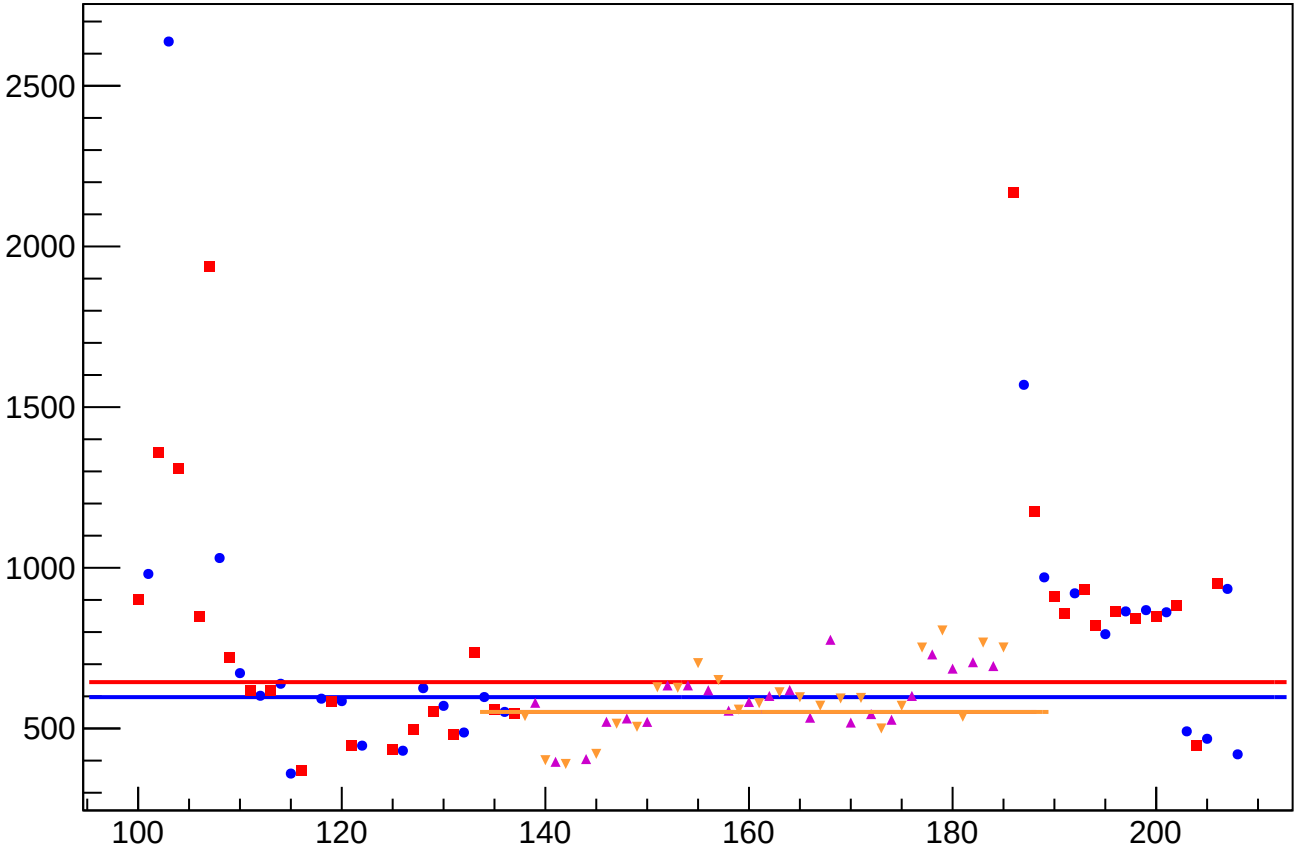
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

\+ sign -497.720+/-101.568 χ^2/NDF: 95.3/50

All: -313.281+/-72.773 χ^2/NDF: 153.7/103

\- sign -118.715+/-104.319 χ^2/NDF: 51.6/52

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 597.538+/-0.114 χ^2/NDF: 3114920.2/26

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 644.251+/-0.122 χ^2/NDF: 3661027.5/29

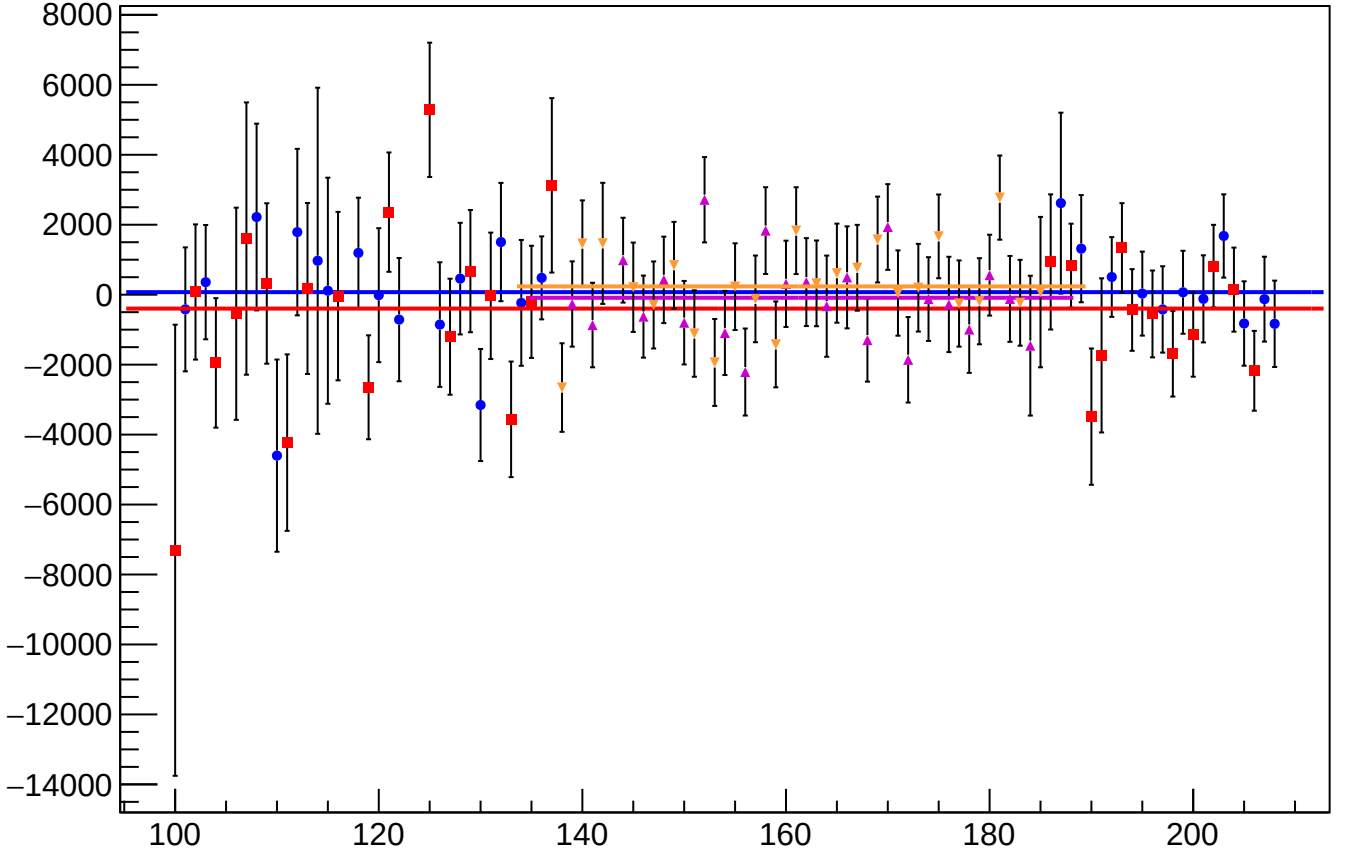
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 569.677+/-0.072 χ^2/NDF: 4440043.3/50

All: 577.279+/-0.051 χ^2/NDF: 9553832.2/103

- sign 585.300+/-0.074 χ^2/NDF: 5090761.1/52

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 72.501+/-294.616 χ^2/NDF: 15.1/26

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -397.802+/-296.277 χ^2/NDF: 36.1/29

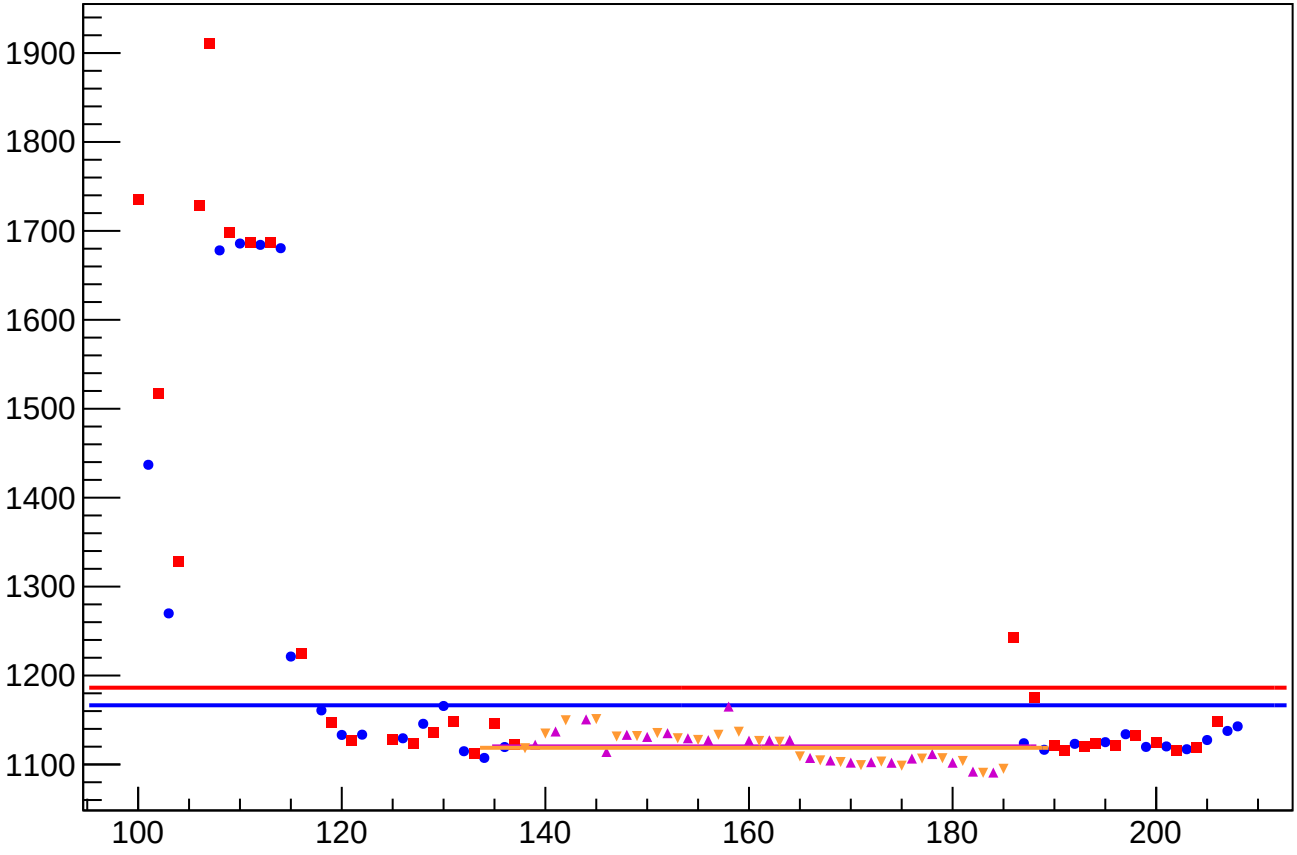
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 164.880+/-194.804 χ^2/NDF: 38.0/50

All: -28.235+/-138.203 χ^2/NDF: 97.6/103

- sign -223.927+/-196.100 χ^2/NDF: 57.6/52

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1166.531+/-0.208 χ^2/NDF: 348596.9/26

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1186.321+/-0.209 χ^2/NDF: 545809.5/29

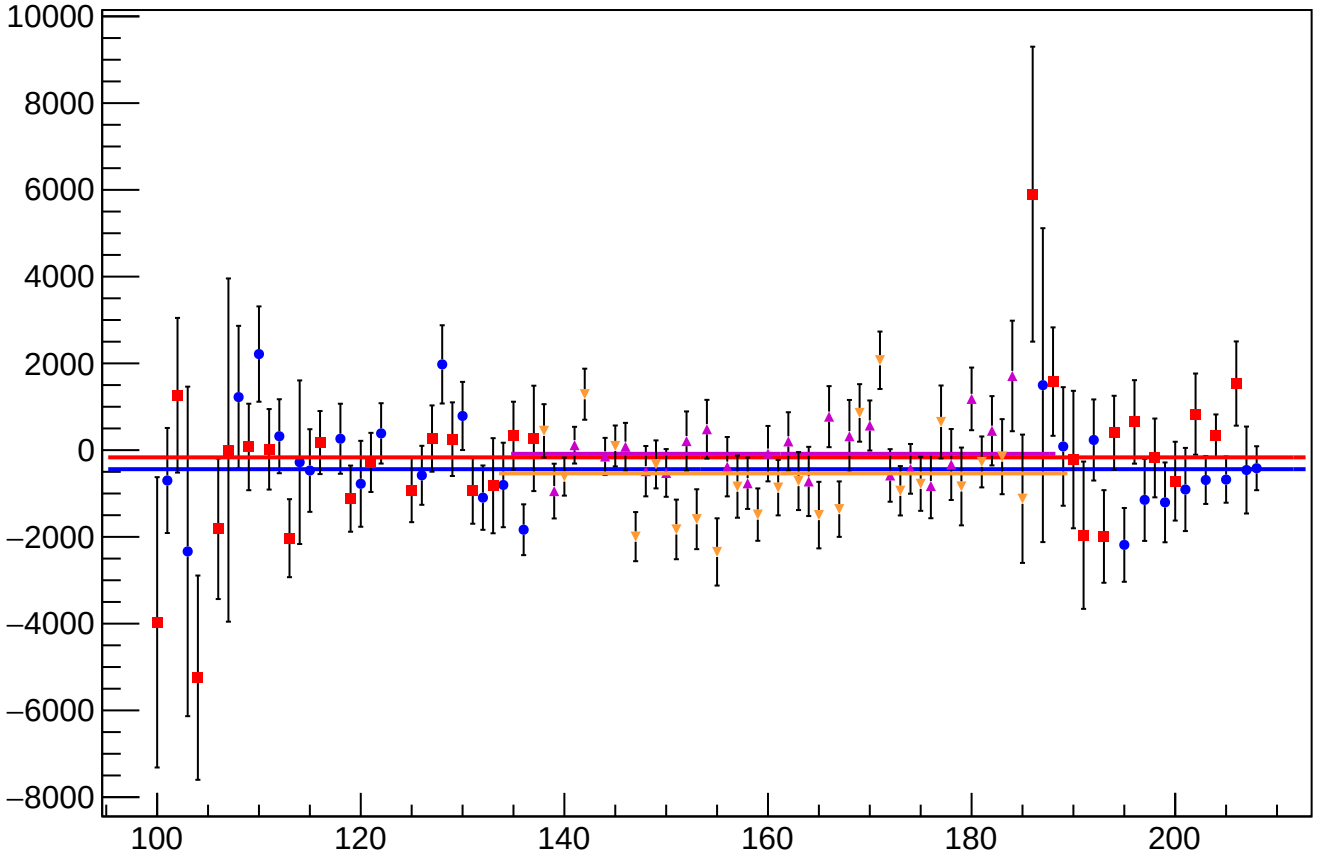
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1139.630+/-0.138 χ^2/NDF: 386428.3/50

All: 1144.397+/-0.098 χ^2/NDF: 999918.7/103

- sign 1149.227+/-0.139 χ^2/NDF: 611079.4/52

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -439.368+/-161.482 χ^2/NDF: 33.6/26

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -166.703+/-172.703 χ^2/NDF: 33.3/29

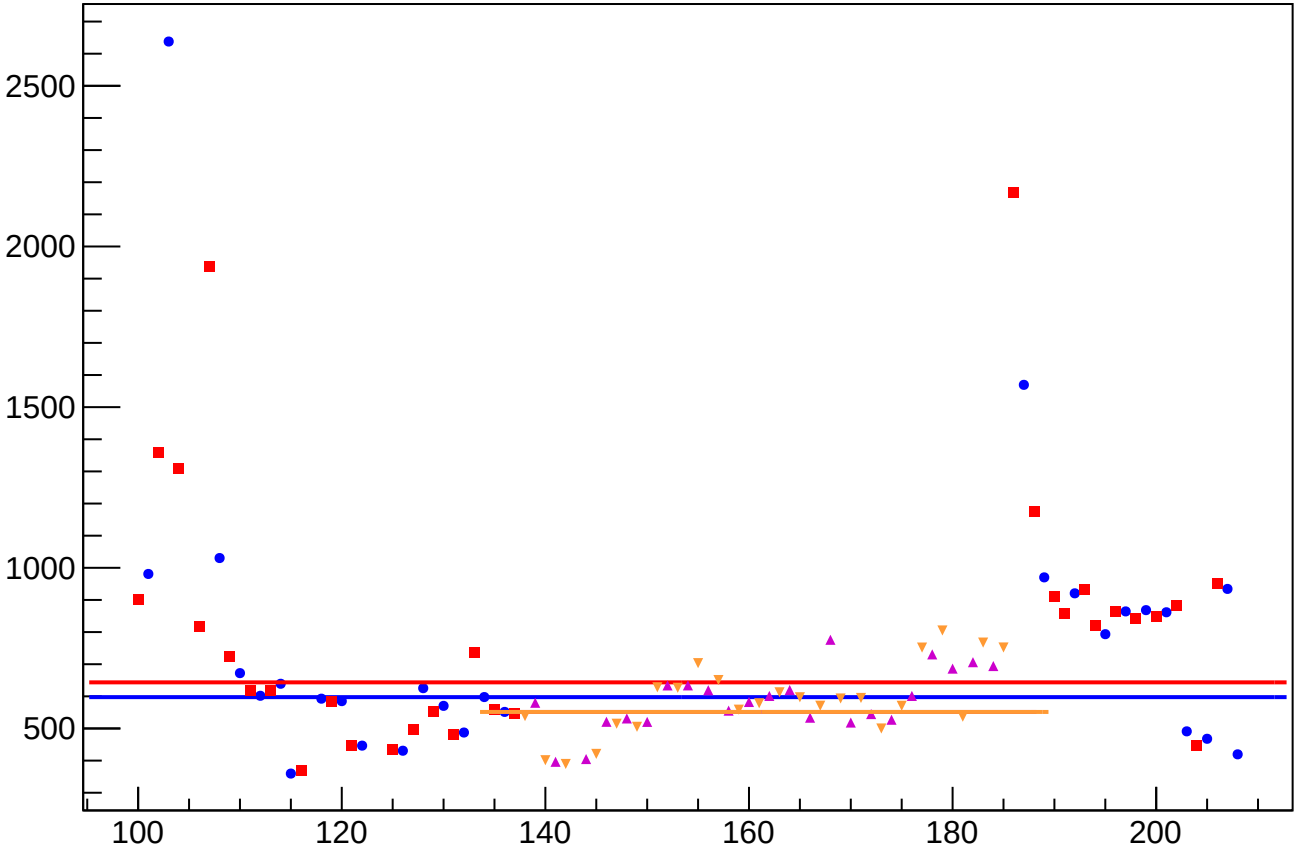
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -497.729+/-101.568 χ^2/NDF: 95.3/50

All: -311.534+/-72.784 χ^2/NDF: 152.8/103

- sign -114.984+/-104.354 χ^2/NDF: 50.6/52

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 597.535+/-0.114 χ^2/NDF: 3114911.6/26

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 643.515+/-0.122 χ^2/NDF: 3647338.4/29

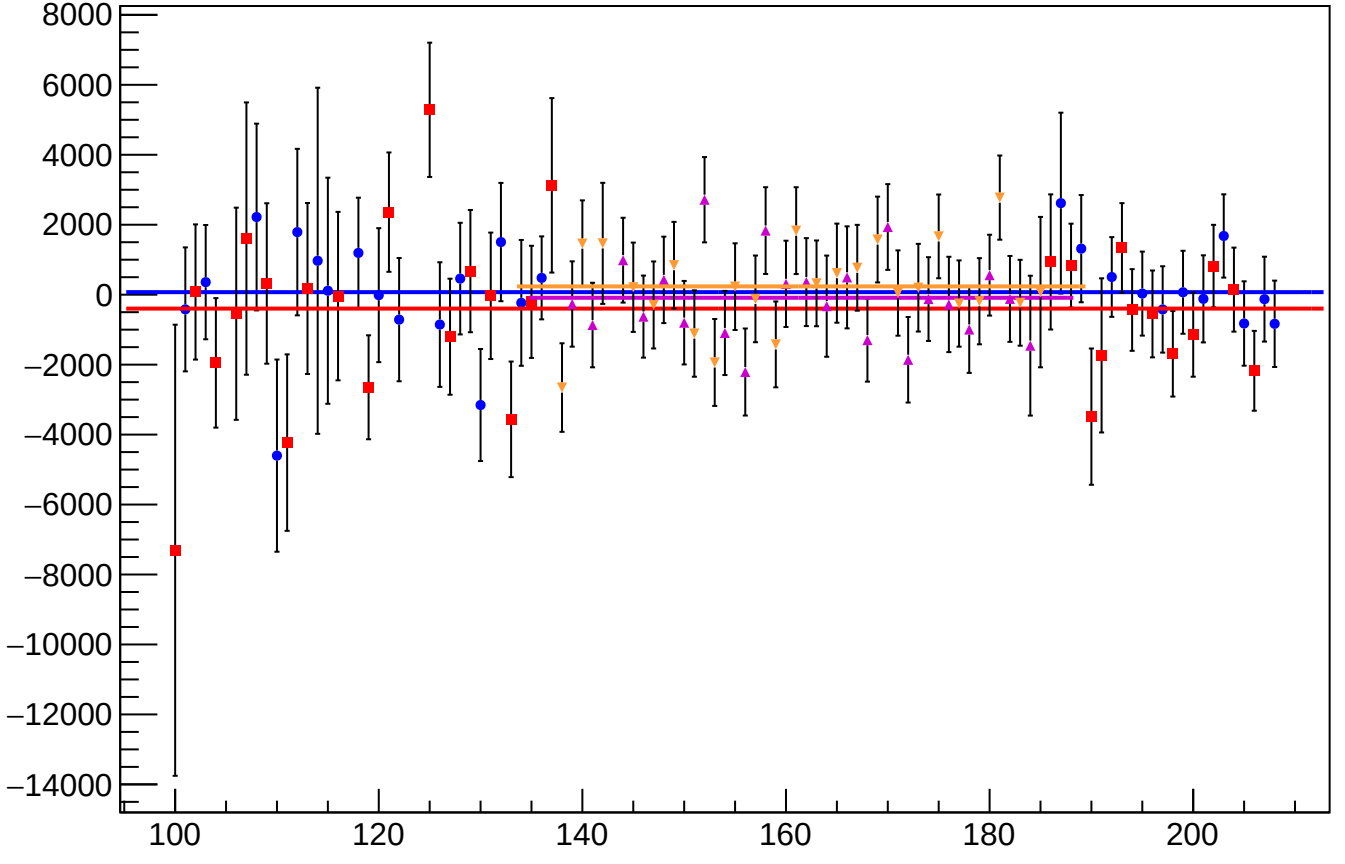
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 569.675+/-0.072 χ^2/NDF: 4440041.9/50

All: 577.126+/-0.051 χ^2/NDF: 9532979.3/103

- sign 584.991+/-0.074 χ^2/NDF: 5070815.0/52

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 72.501+/-294.616 χ^2/NDF: 15.1/26

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -397.802+/-296.277 χ^2/NDF: 36.1/29

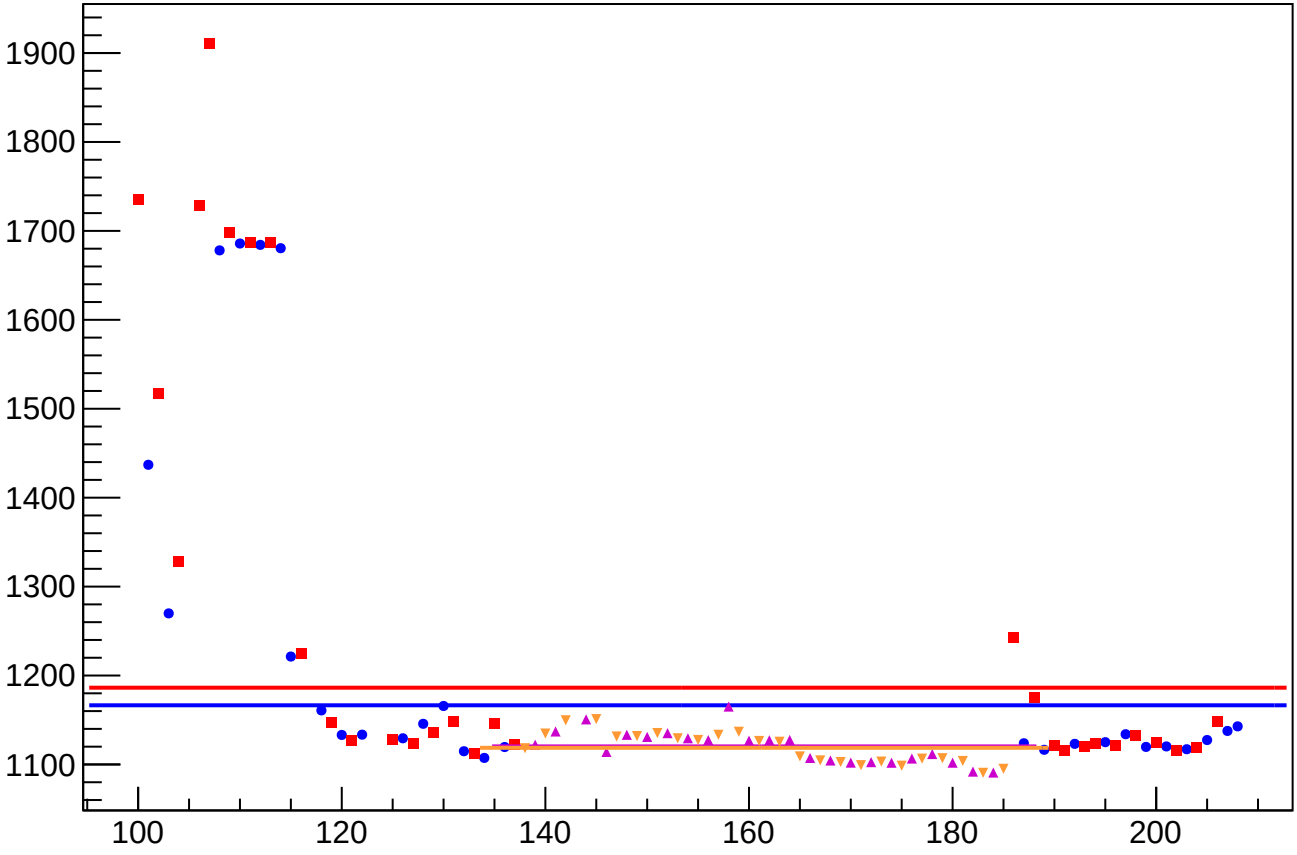
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 164.880+/-194.804 χ^2/NDF: 38.0/50

All: -28.235+/-138.203 χ^2/NDF: 97.6/103

- sign -223.927+/-196.100 χ^2/NDF: 57.6/52

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1166.531+/-0.208 χ^2/NDF: 348596.9/26

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

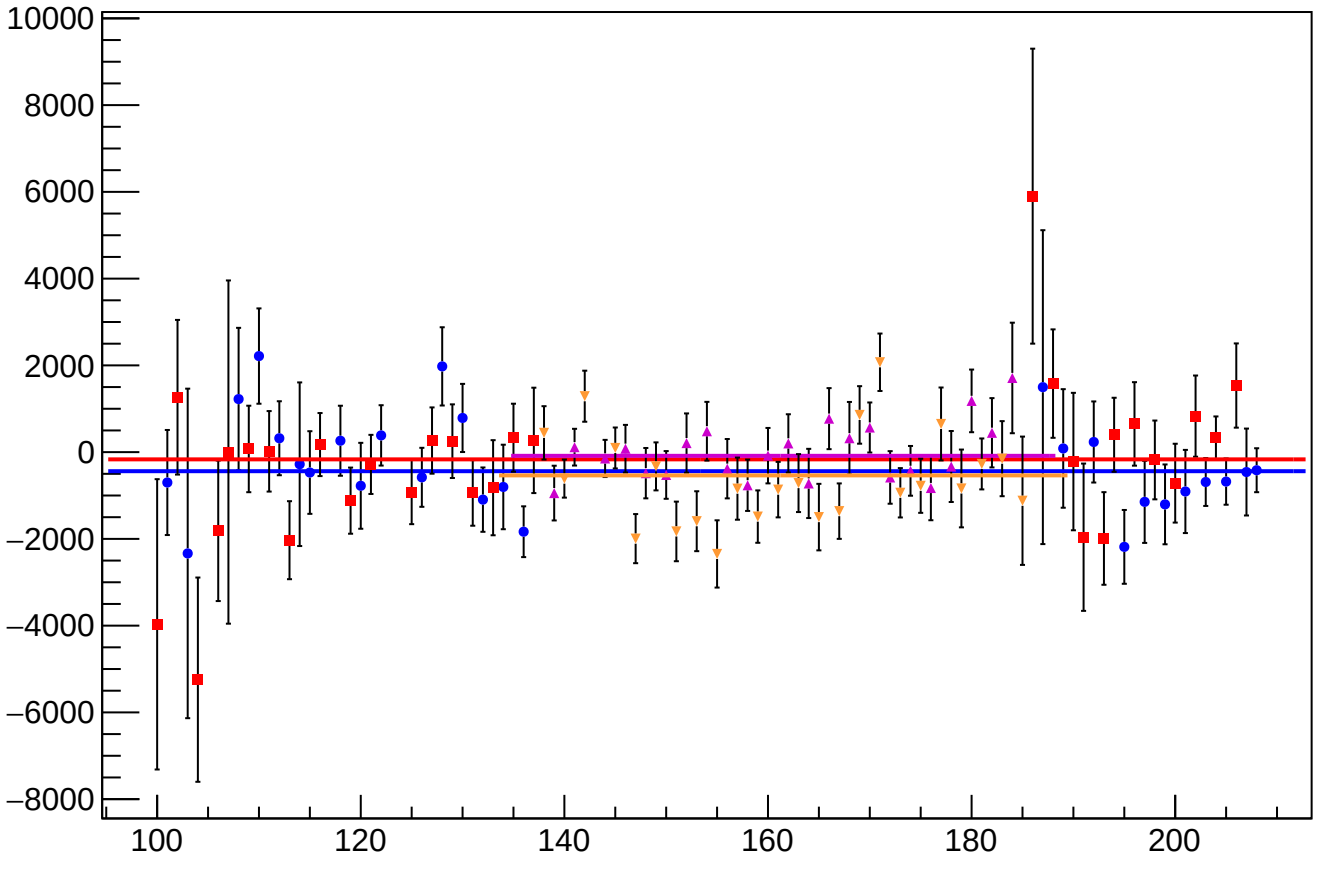
Right Out: 1186.321+/-0.209 χ^2/NDF: 545809.5/29

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1139.630+/-0.138 χ^2/NDF: 386428.3/50

All: 1144.397+/-0.098 χ^2/NDF: 999918.7/103

- sign 1149.227+/-0.139 χ^2/NDF: 611079.4/52



Right In: -439.368+/-161.482 χ^2/NDF: 33.6/26

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -166.703+/-172.703 χ^2/NDF: 33.3/29

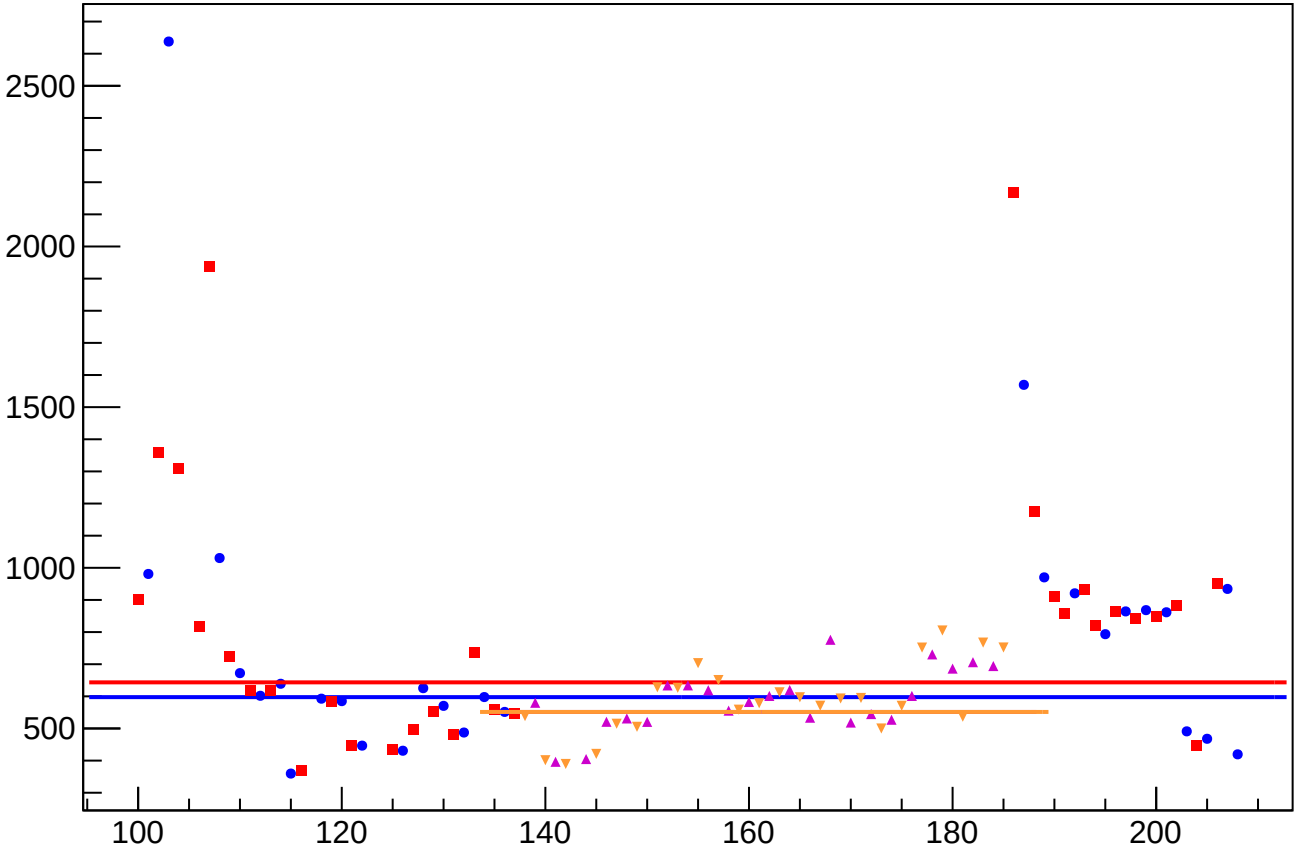
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -497.729+/-101.568 χ^2/NDF: 95.3/50

All: -311.534+/-72.784 χ^2/NDF: 152.8/103

\- sign -114.984+/-104.354 χ^2/NDF: 50.6/52

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 597.535+/-0.114 χ^2/NDF: 3114911.6/26

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 643.515+/-0.122 χ^2/NDF: 3647338.4/29

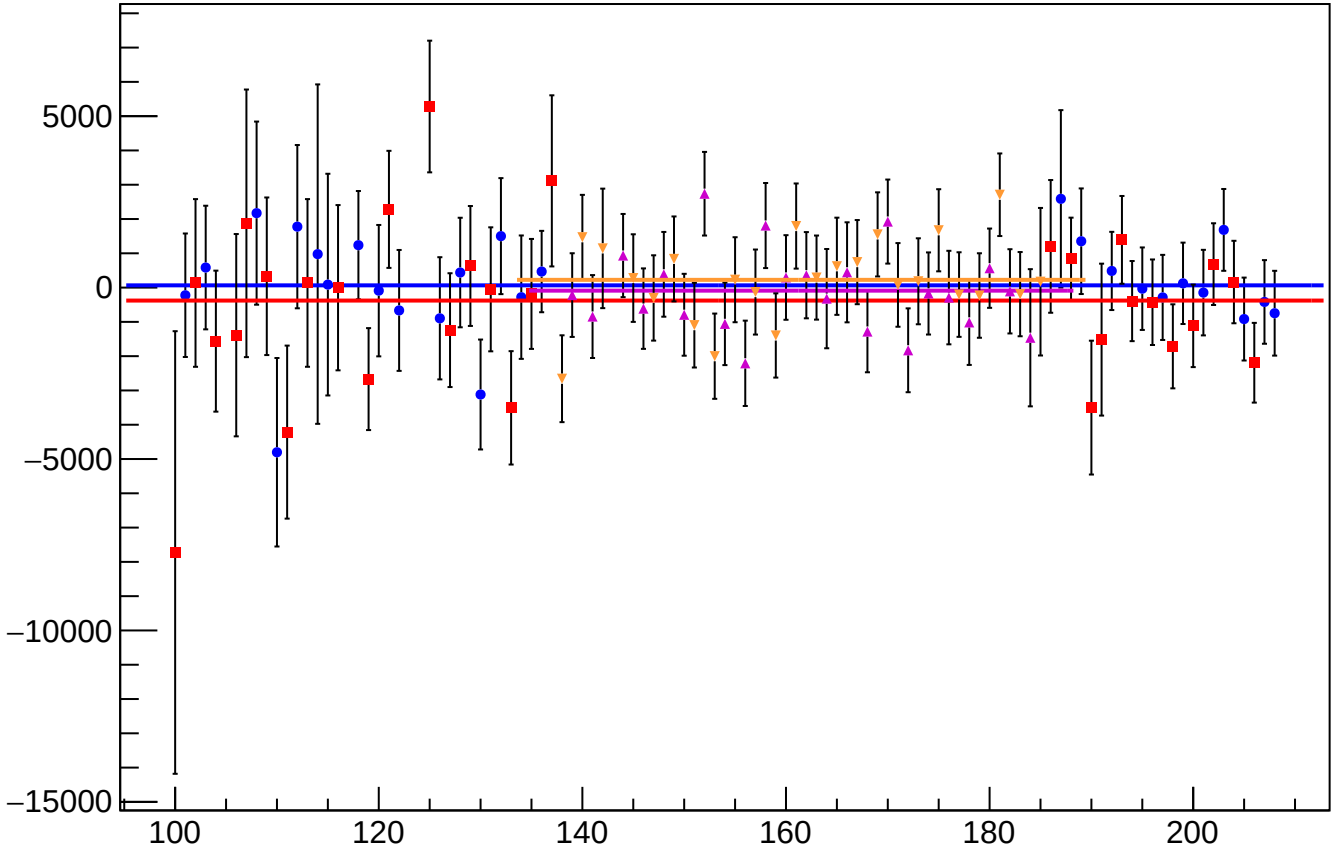
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 569.675+/-0.072 χ^2/NDF: 4440041.9/50

All: 577.126+/-0.051 χ^2/NDF: 9532979.3/103

- sign 584.991+/-0.074 χ^2/NDF: 5070815.0/52

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 65.392+/-296.100 χ^2/NDF: 15.3/26

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -378.429+/-299.124 χ^2/NDF: 35.7/29

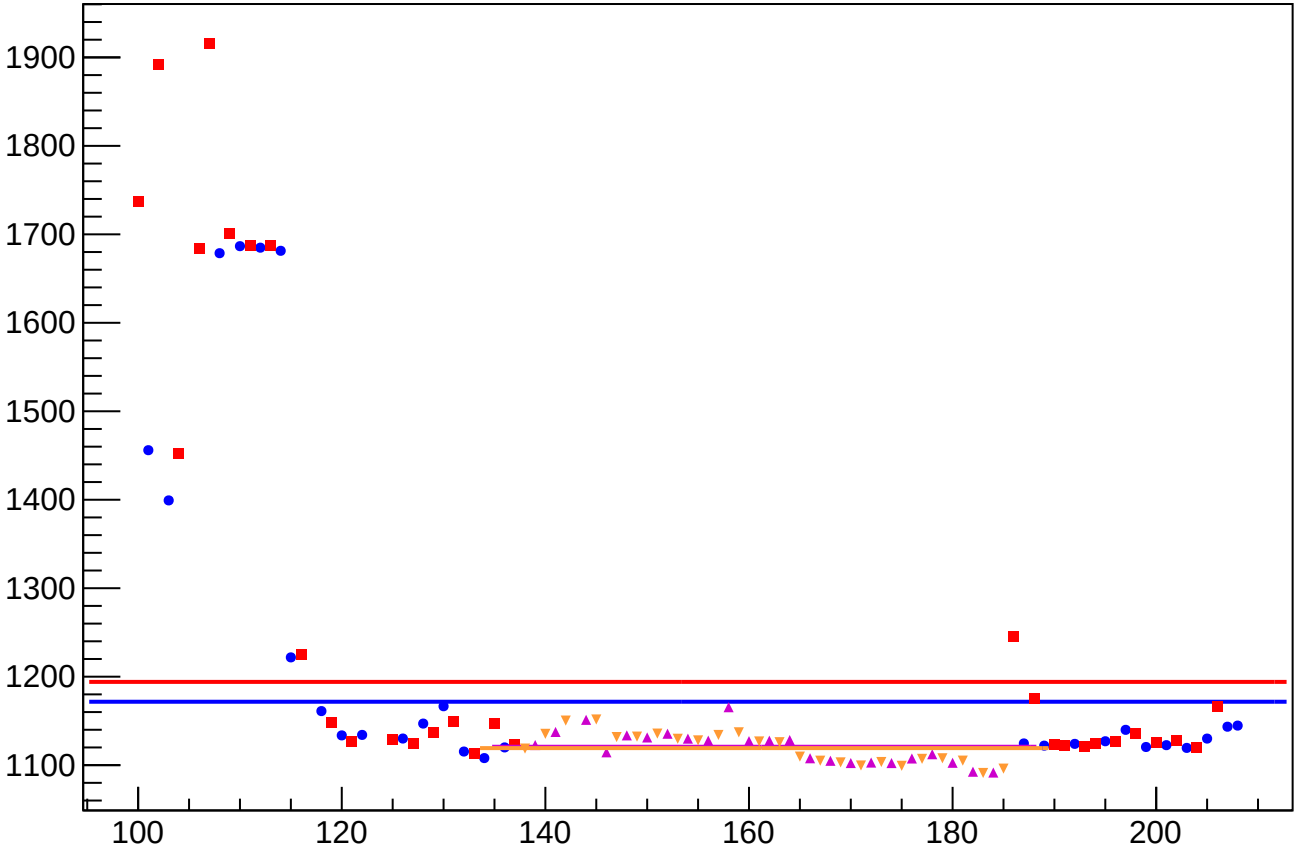
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 155.940+/-195.299 χ^2/NDF: 37.7/50

All: -27.724+/-138.683 χ^2/NDF: 96.2/103

- sign -214.540+/-196.968 χ^2/NDF: 56.8/52

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1171.676+/-0.209 χ^2/NDF: 375805.6/26

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1194.111+/-0.212 χ^2/NDF: 662381.1/29

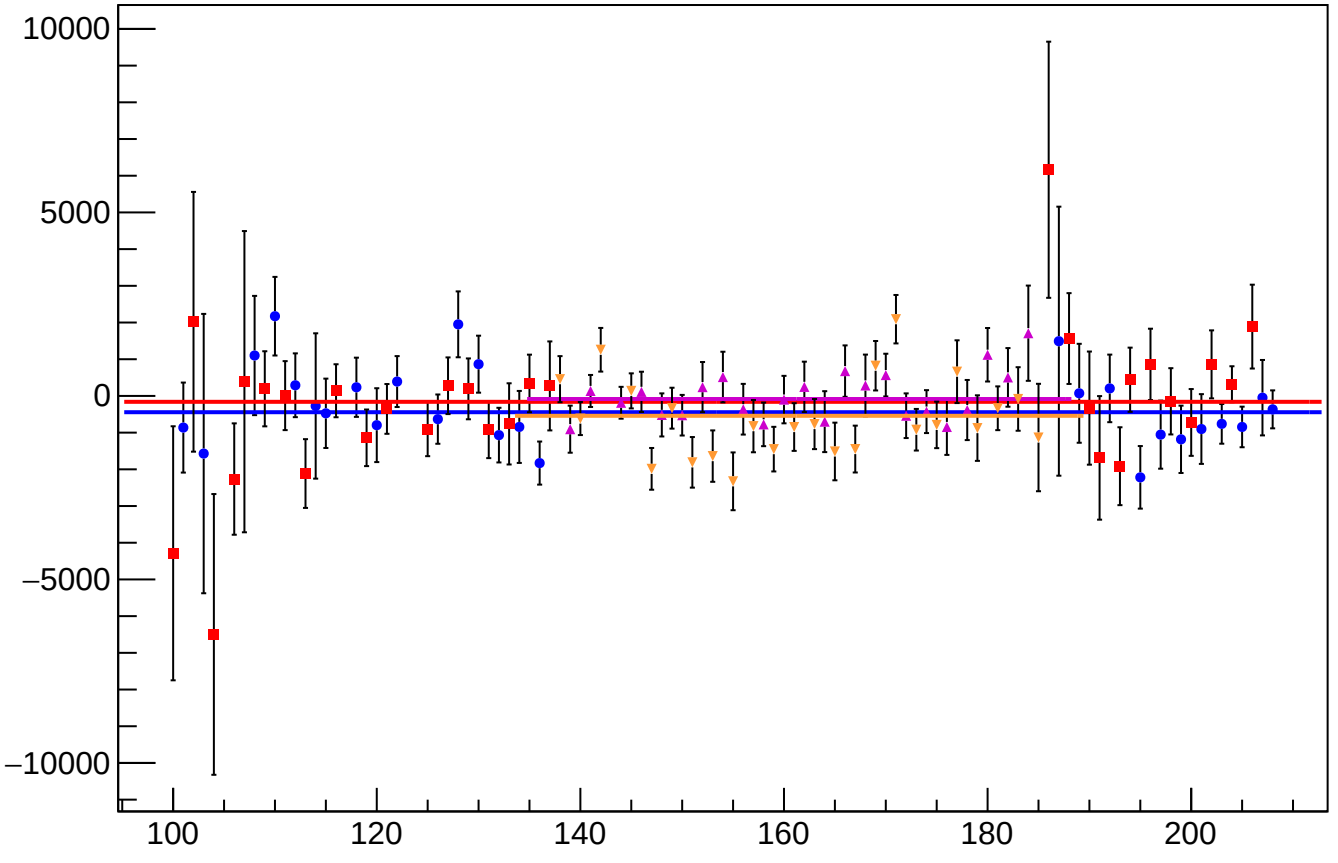
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1142.061+/-0.138 χ^2/NDF: 419359.4/50

All: 1147.280+/-0.098 χ^2/NDF: 1162091.5/10

- sign 1152.588+/-0.139 χ^2/NDF: 739851.8/52

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -443.664+/-161.861 χ^2/NDF: 34.2/26

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -160.571+/-174.698 χ^2/NDF: 32.3/29

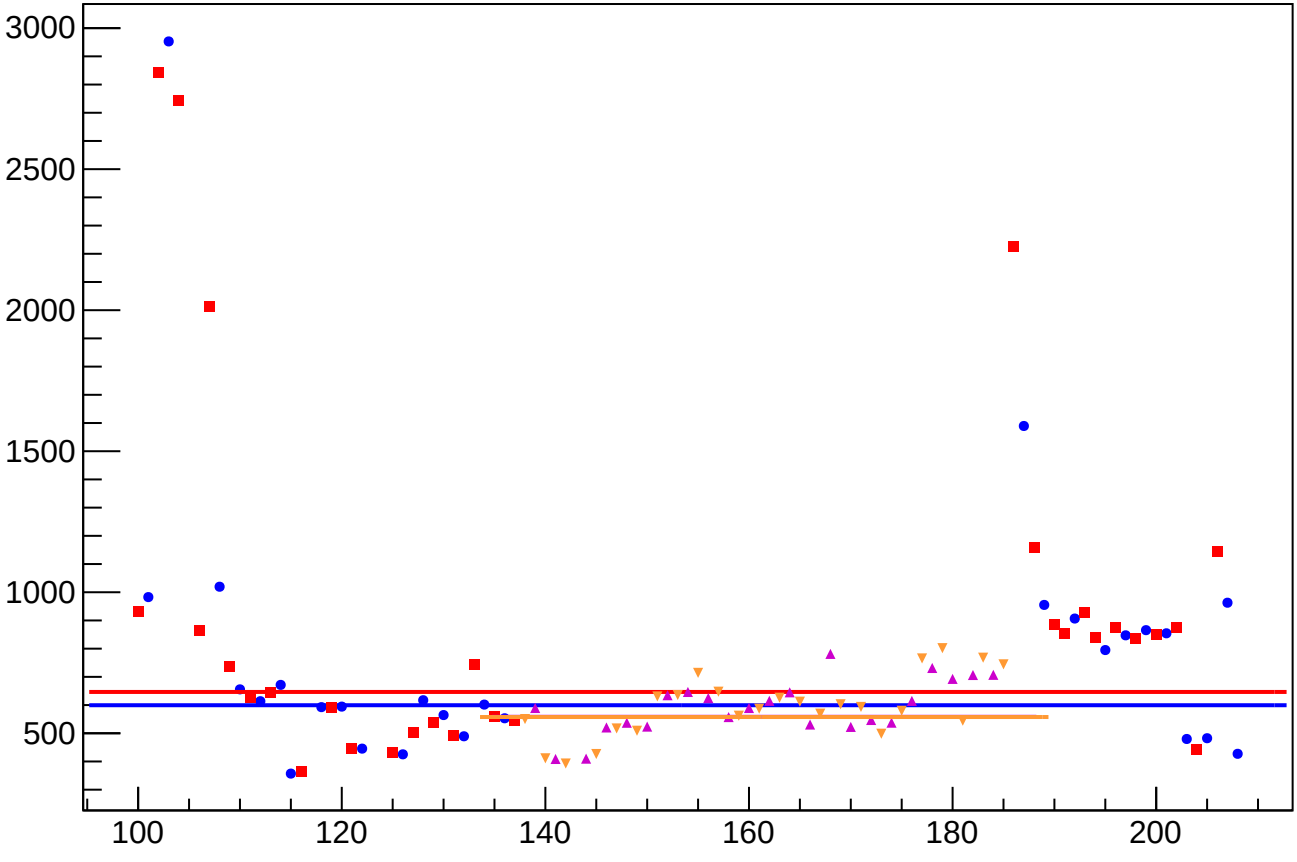
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -502.473+/-102.301 χ^2/NDF: 95.3/50

All: -313.446+/-73.475 χ^2/NDF: 151.1/103

- sign -112.052+/-105.595 χ^2/NDF: 48.8/52

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 599.420+/-0.114 χ^2/NDF: 3256557.9/26

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 646.518+/-0.124 χ^2/NDF: 4772338.5/29

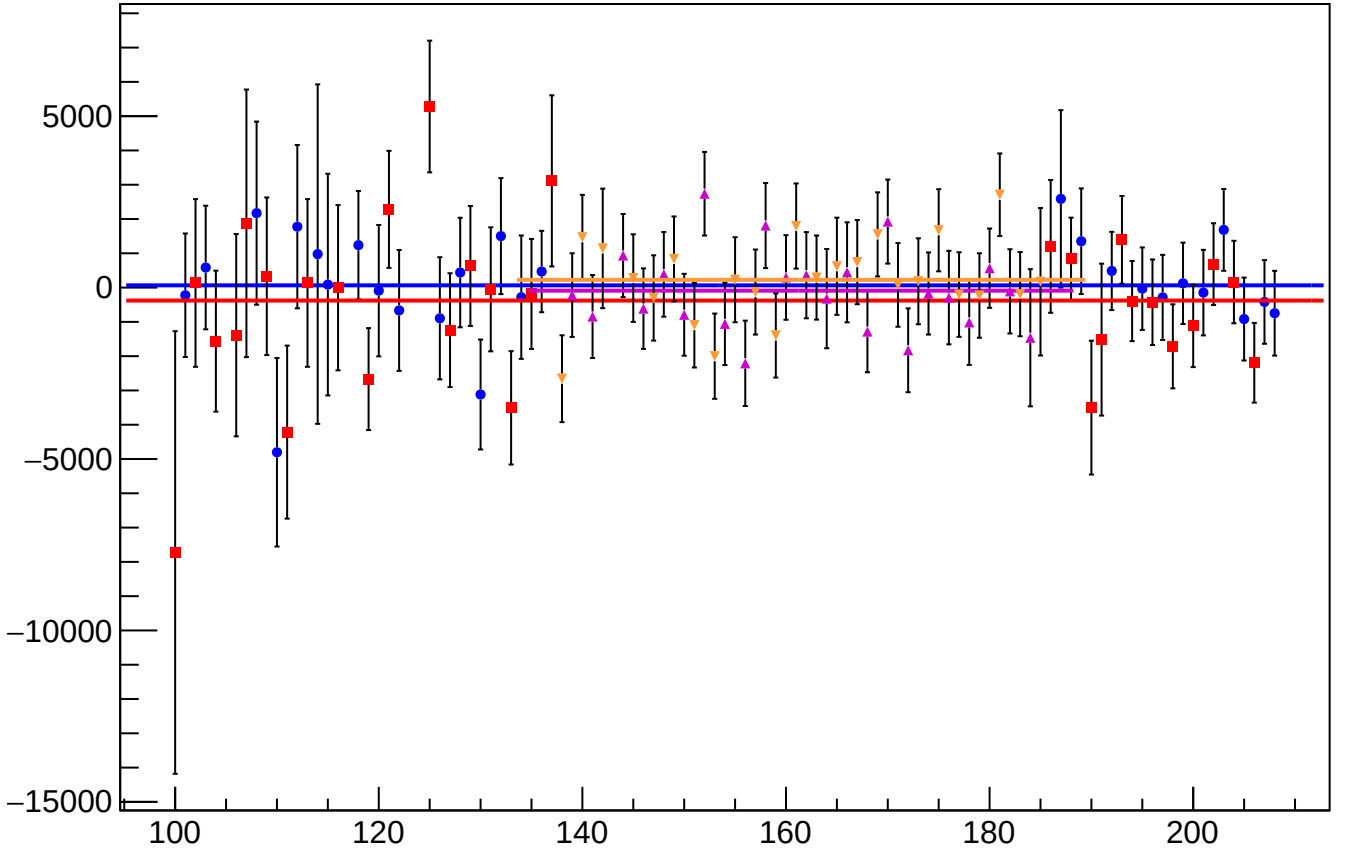
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 574.301+/-0.072 χ^2/NDF: 4530038.6/50

All: 582.187+/-0.052 χ^2/NDF: 10677723.8/10

- sign 590.589+/-0.075 χ^2/NDF: 6123137.7/52

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 65.394+/-296.100 χ^2/NDF: 15.3/26

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -378.428+/-299.124 χ^2/NDF: 35.7/29

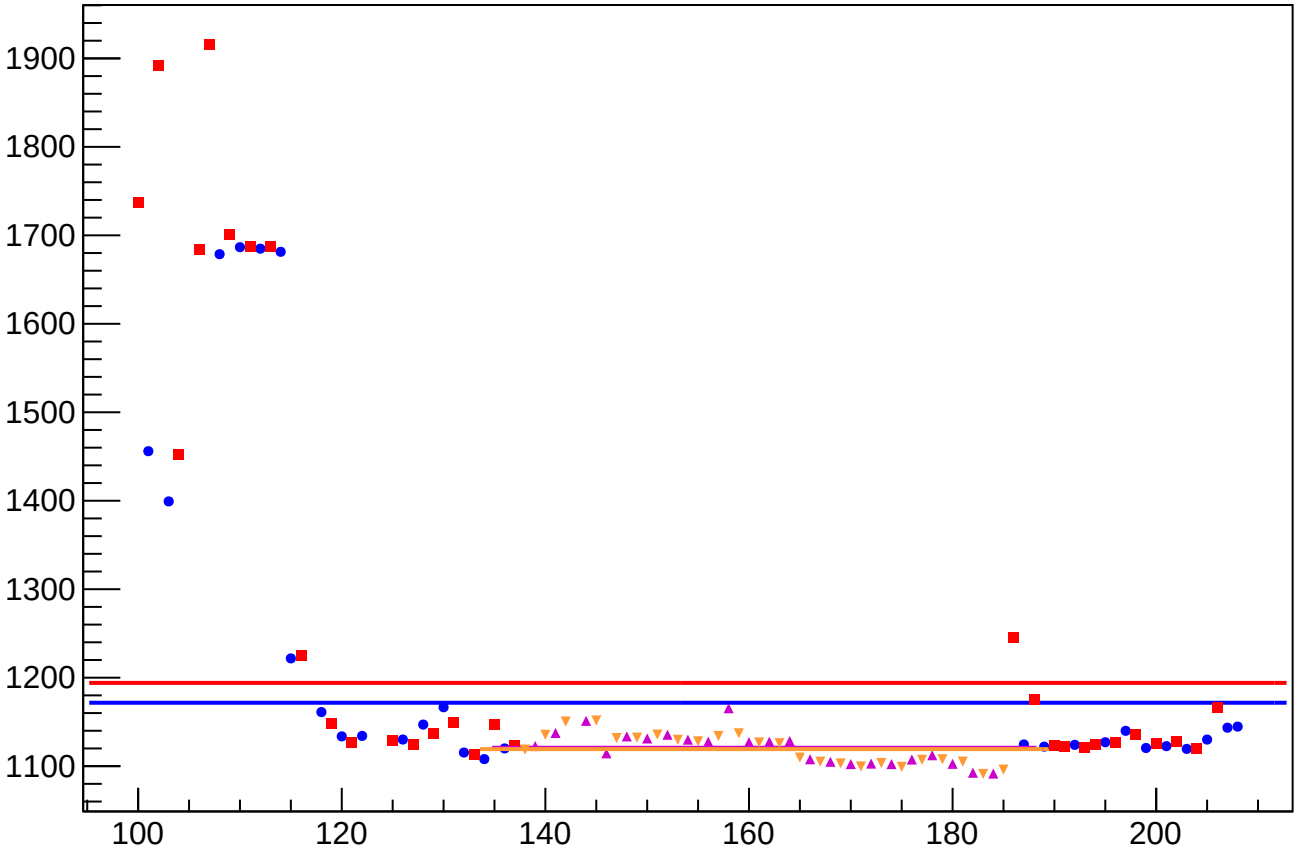
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

\+ sign 155.940+/-195.299 χ^2/NDF: 37.7/50

All: -27.724+/-138.683 χ^2/NDF: 96.2/103

\- sign -214.540+/-196.968 χ^2/NDF: 56.8/52

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1171.676+/-0.209 χ^2/NDF: 375805.1/26

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1194.111+/-0.212 χ^2/NDF: 662380.4/29

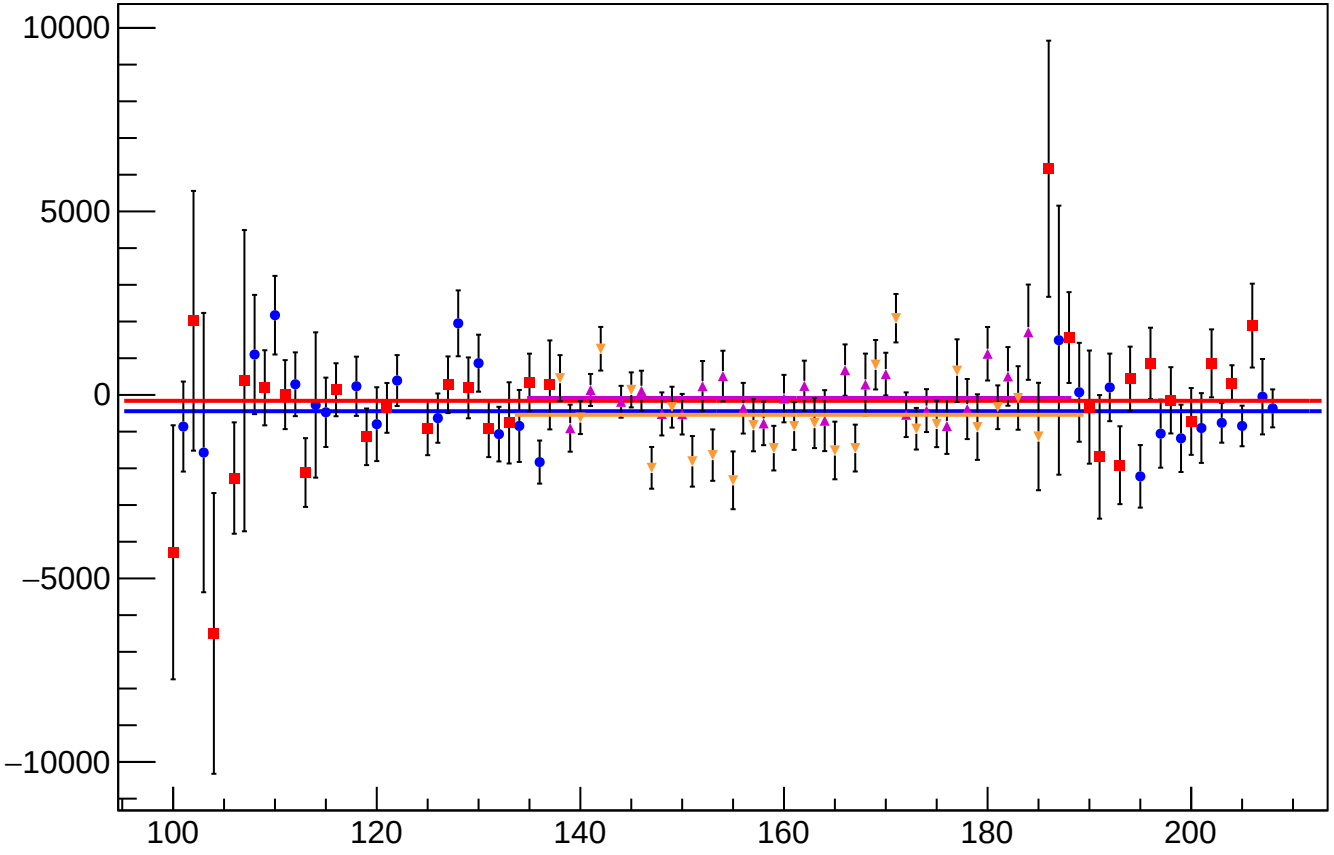
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

\+ sign 1142.061+/-0.138 χ^2/NDF: 419358.8/50

All: 1147.280+/-0.098 χ^2/NDF: 1162090.2/10

\- sign 1152.588+/-0.139 χ^2/NDF: 739851.1/52

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -443.664+/-161.861 χ^2/NDF: 34.2/26

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -160.571+/-174.698 χ^2/NDF: 32.3/29

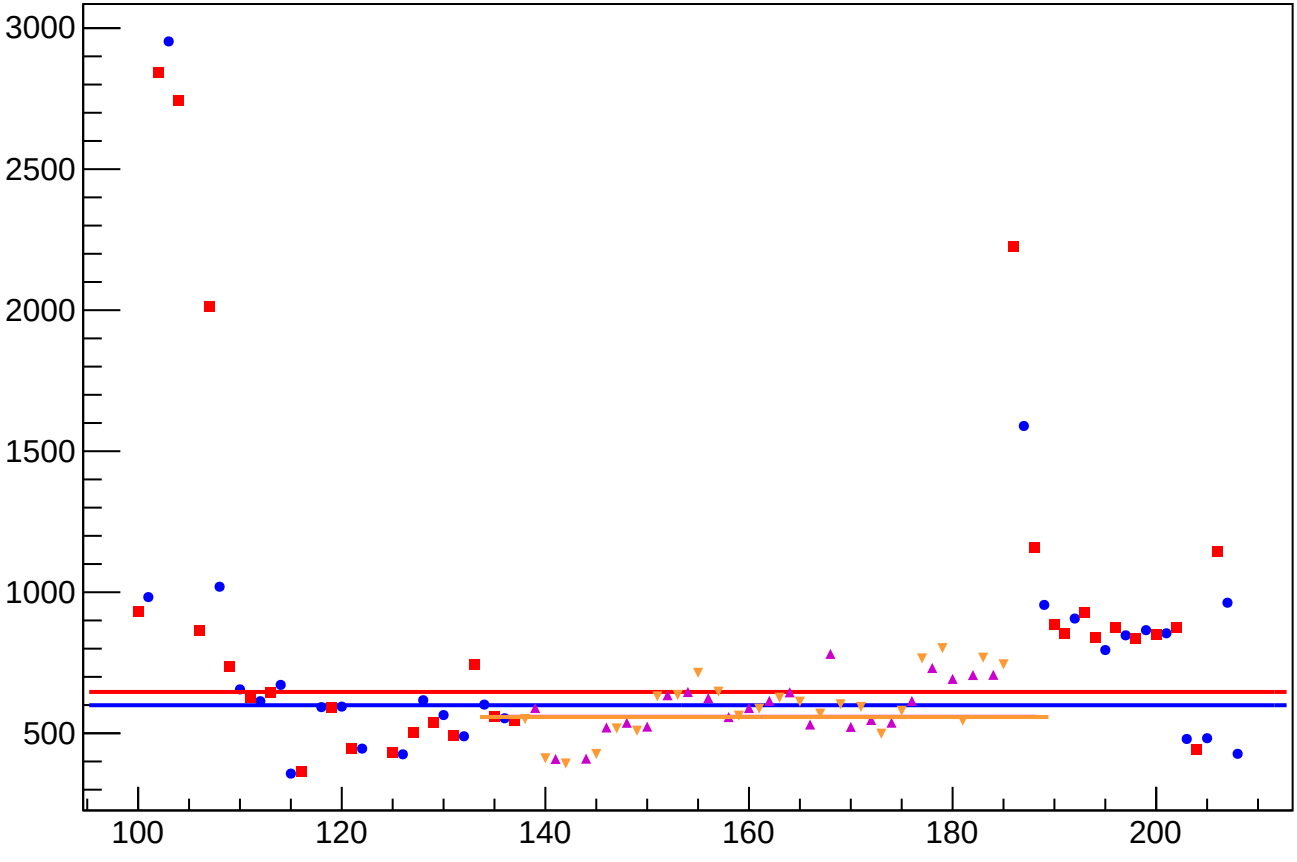
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -502.473+/-102.301 χ^2/NDF: 95.3/50

All: -313.445+/-73.475 χ^2/NDF: 151.1/103

- sign -112.052+/-105.595 χ^2/NDF: 48.8/52

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 599.420+/-0.114 χ^2/NDF: 3256558.5/26

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 646.517+/-0.124 χ^2/NDF: 4772344.5/29

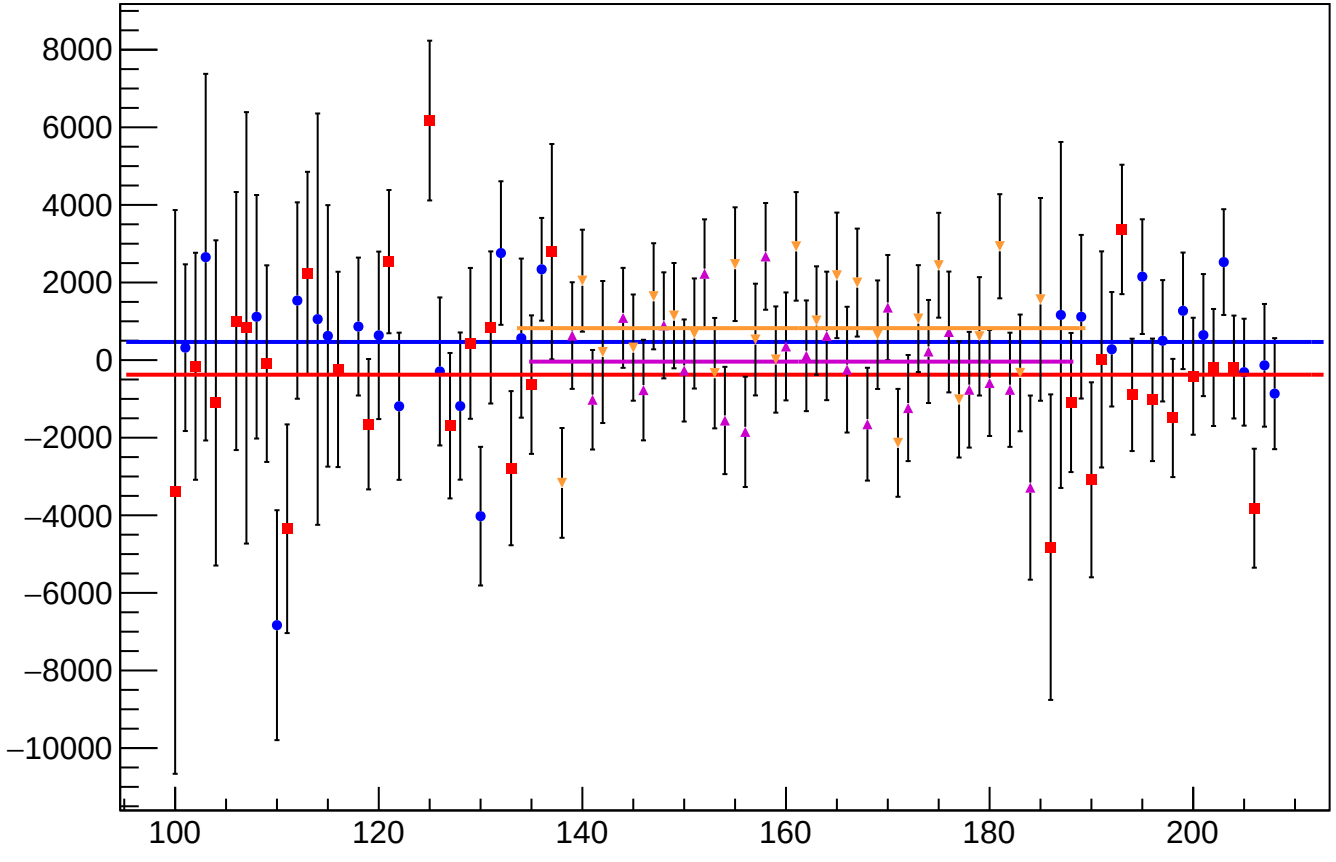
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 574.300+/-0.072 χ^2/NDF: 4530061.8/50

All: 582.186+/-0.052 χ^2/NDF: 10677770.5/10

- sign 590.589+/-0.075 χ^2/NDF: 6123160.9/52

asym_usl_atl1_dd_mean vs Slug



Right In: 467.769+/-355.029 χ^2/NDF: 23.5/26

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -376.144+/-364.941 χ^2/NDF: 34.2/29

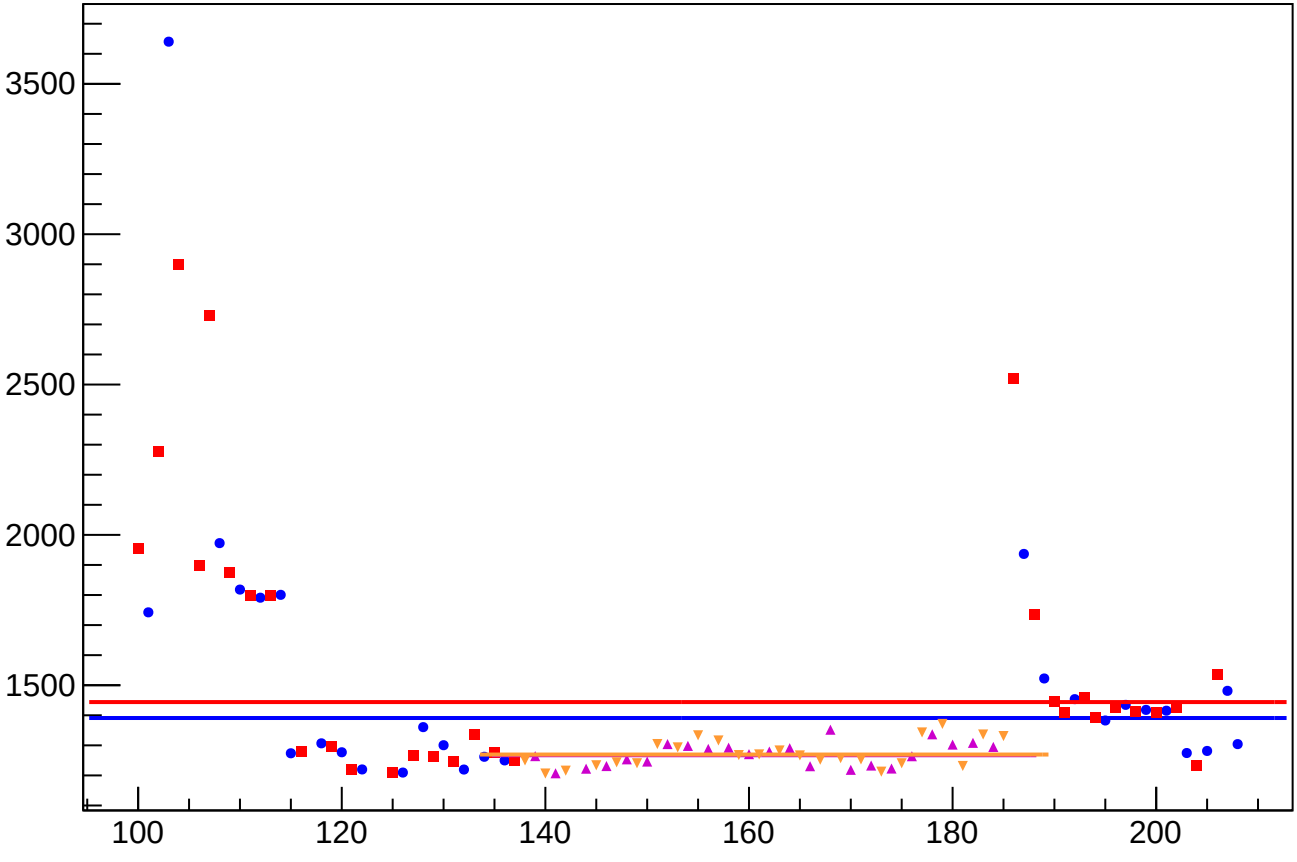
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 678.197+/-226.819 χ^2/NDF: 50.2/50

All: 258.221+/-161.461 χ^2/NDF: 109.8/103

- sign -173.207+/-229.891 χ^2/NDF: 52.6/52

asym_usl_atl1_dd_rms vs Slug



Right In: 1390.936+/-0.251 χ^2/NDF: 864486.8/26

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

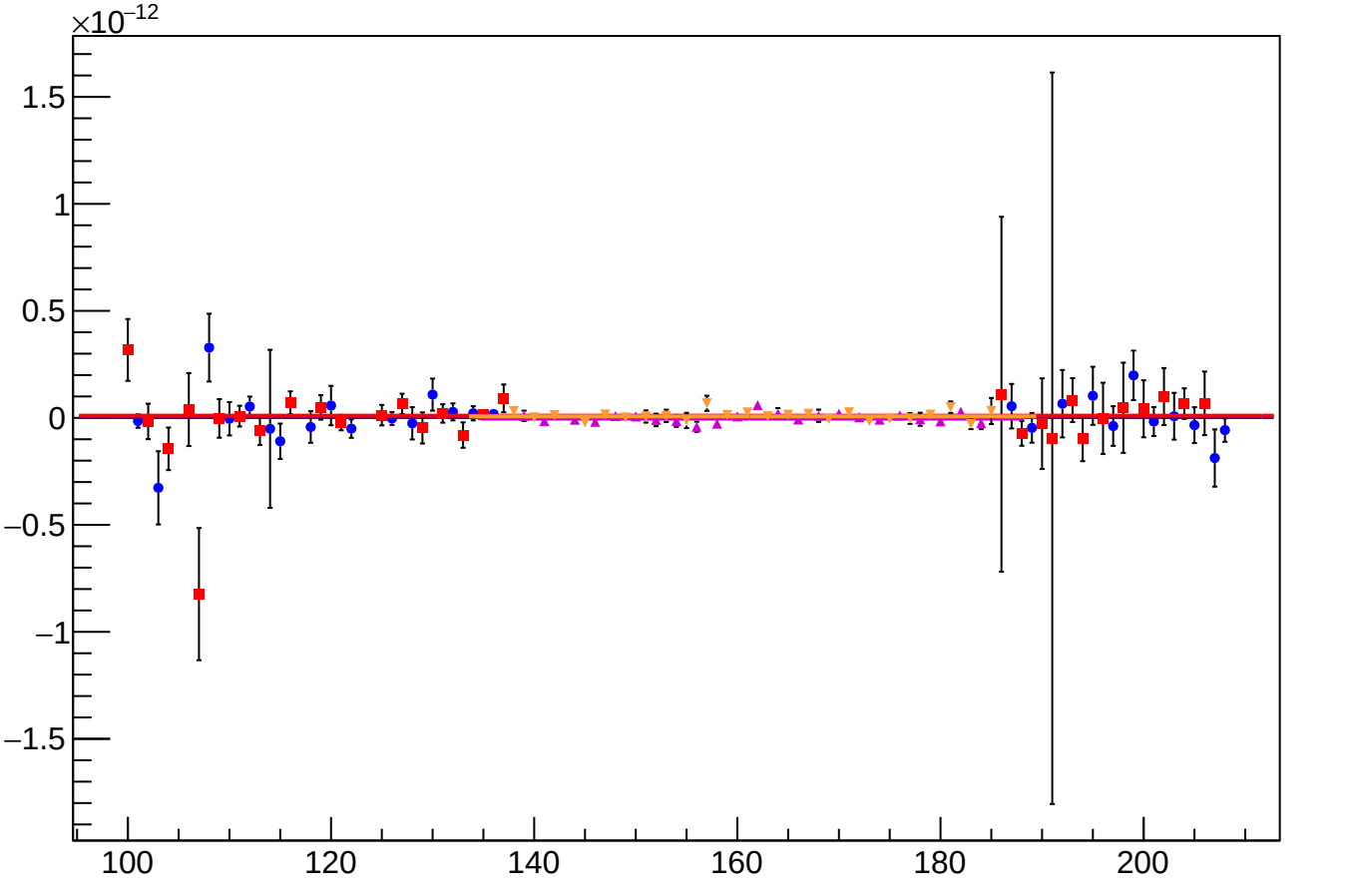
Right Out: 1443.945+/-0.258 χ^2/NDF: 1121538.1/29

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1319.030+/-0.160 χ^2/NDF: 1046146.8/50

All: 1328.021+/-0.114 χ^2/NDF: 2491988.4/10

- sign 1337.256+/-0.163 χ^2/NDF: 1439472.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/29

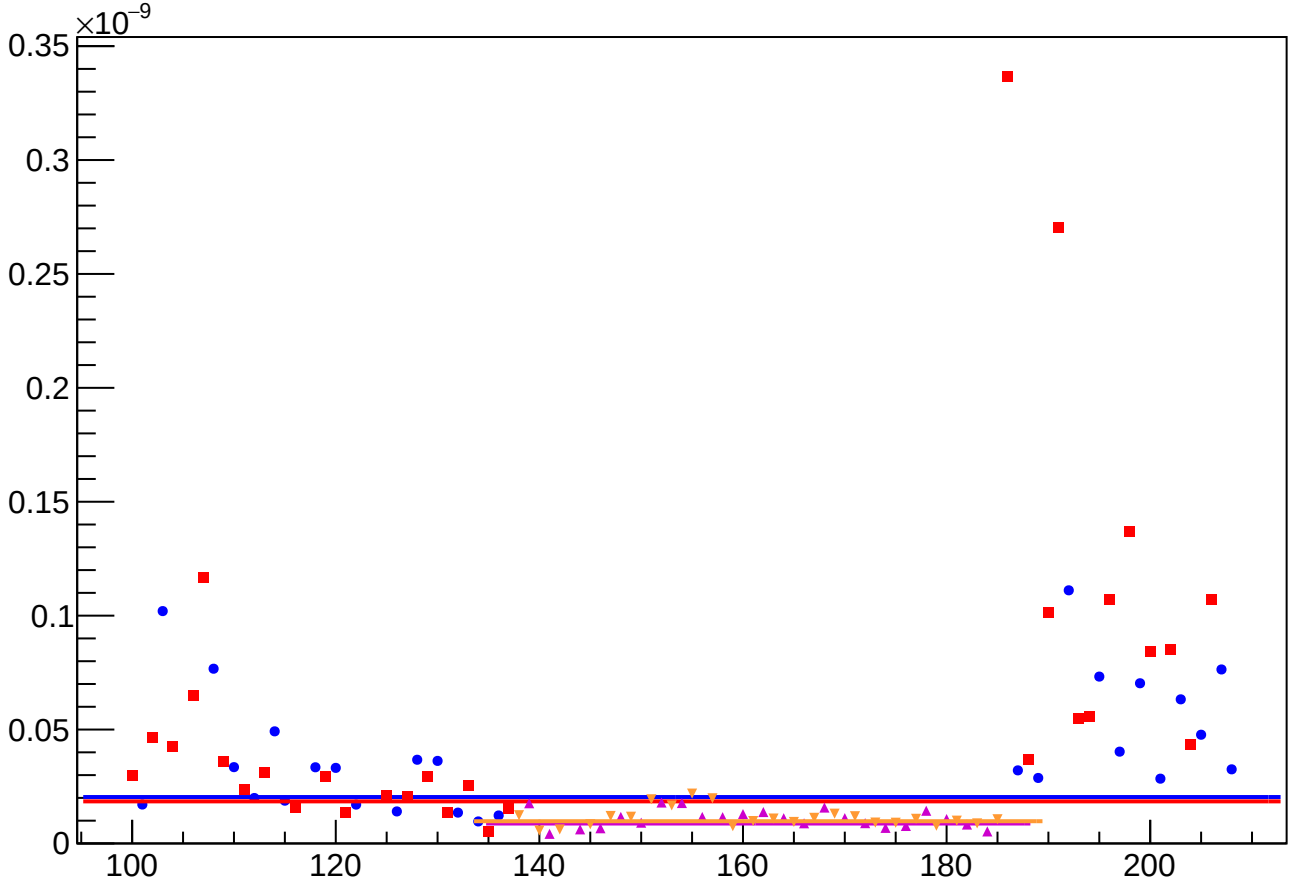
Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.9/50

All: 0.000+/-0.000 χ^2/NDF: 101.3/103

- sign -0.000+/-0.000 χ^2/NDF: 53.6/52

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4298373.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7040184.1/29

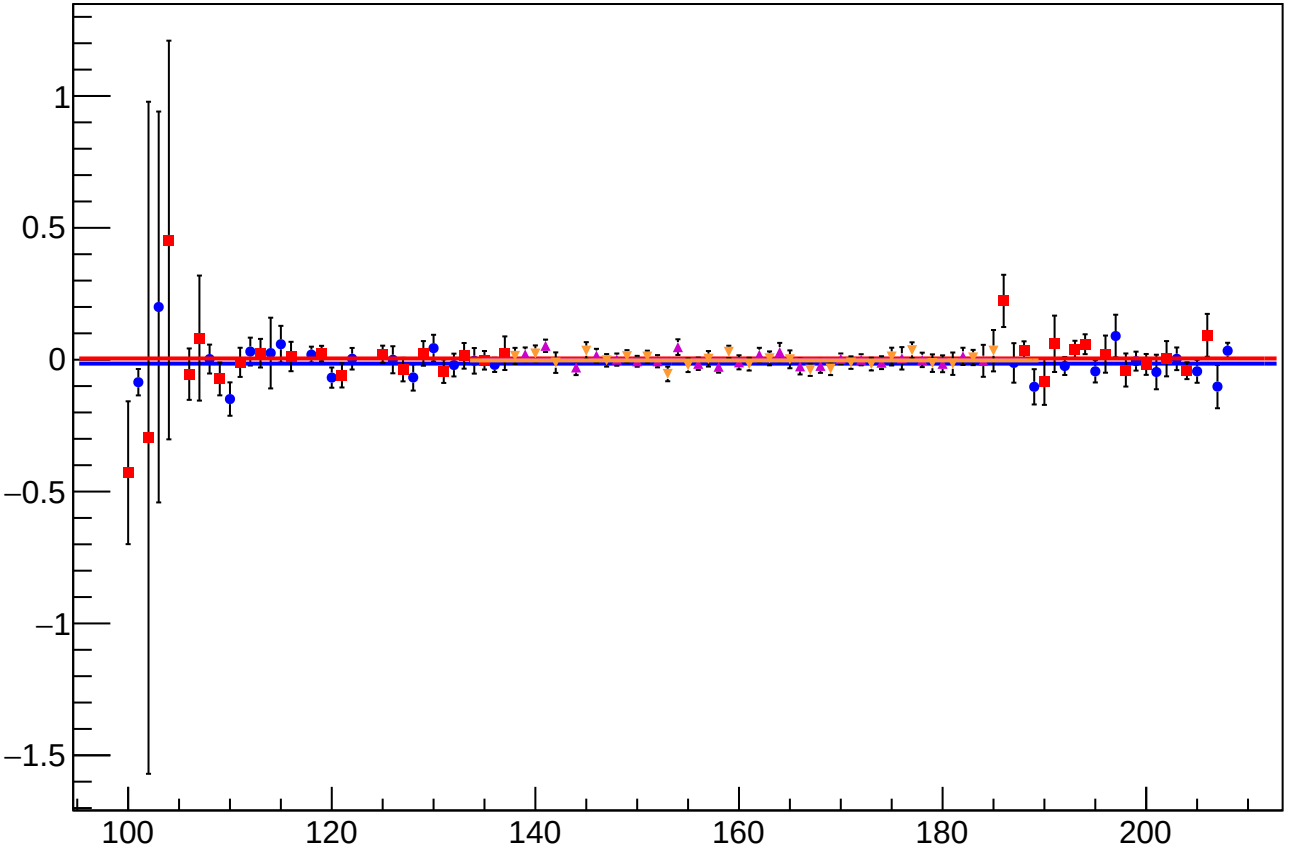
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7602523.9/50

All: 0.000+/-0.000 χ^2/NDF: 18334078.2/103

- sign 0.000+/-0.000 χ^2/NDF: 10603969.4/52

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.015+/-0.009 χ^2/NDF: 23.3/26

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.005+/-0.009 χ^2/NDF: 24.4/29

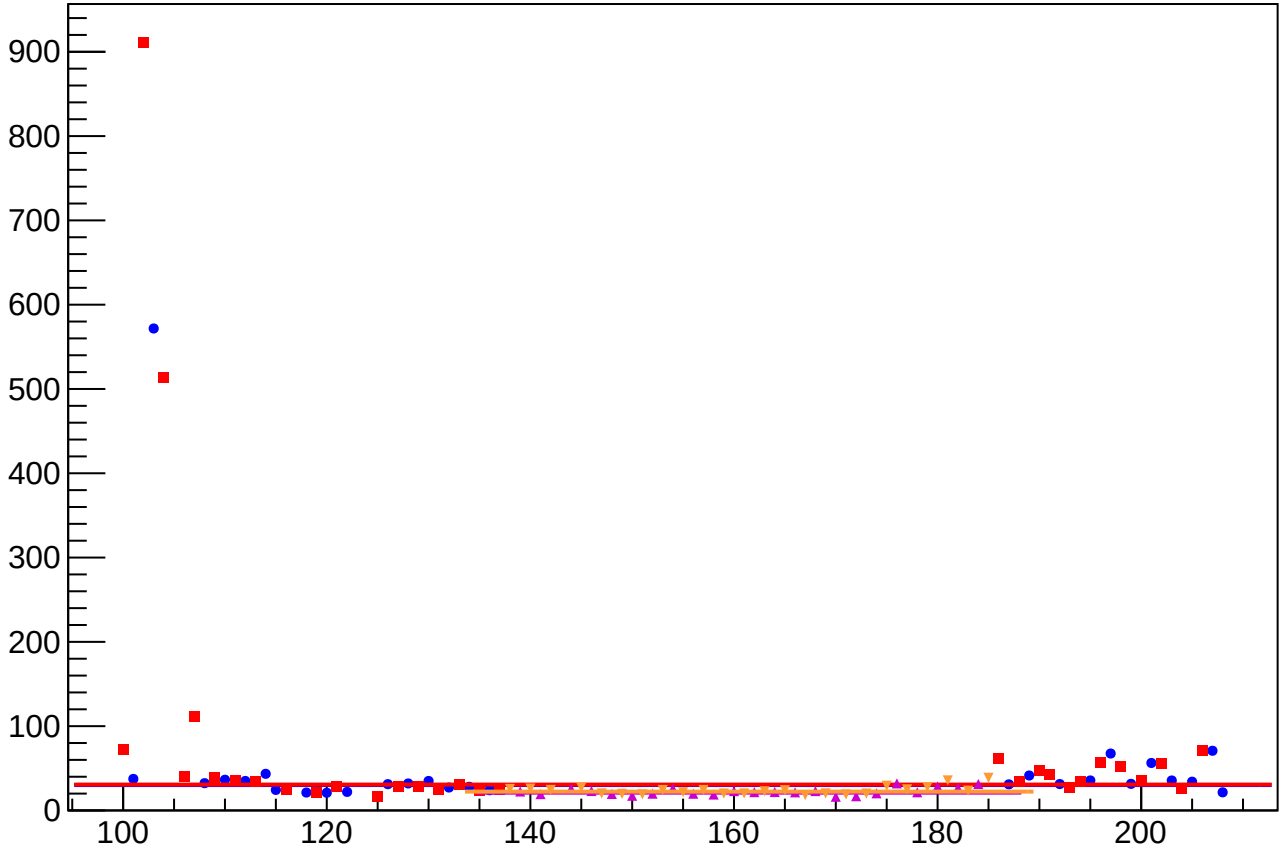
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 40.9/50

All: -0.002+/-0.003 χ^2/NDF: 81.8/103

- sign 0.002+/-0.005 χ^2/NDF: 39.4/52

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.147+/-0.006 χ^2/NDF: 3235541.0/26

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

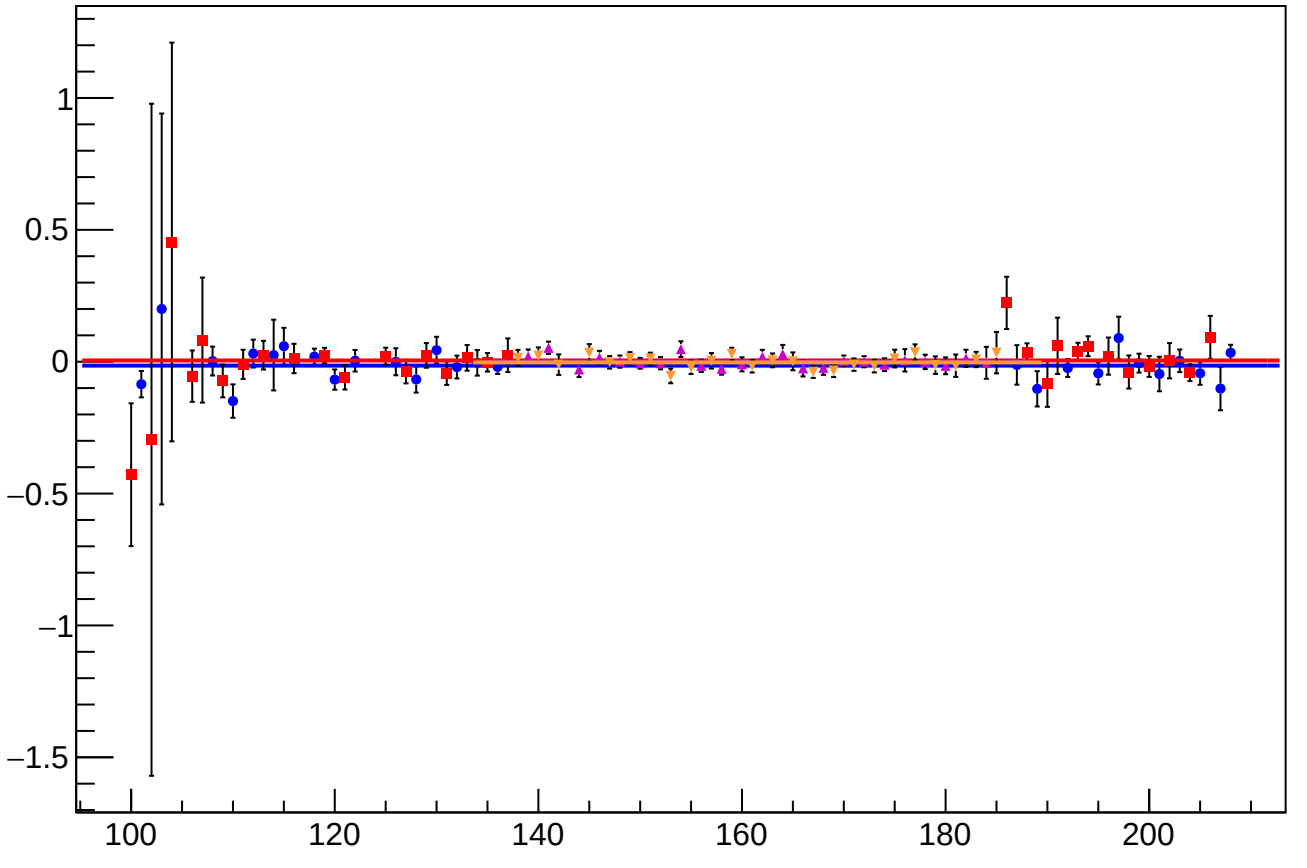
Right Out: 30.681+/-0.006 χ^2/NDF: 4592488.5/29

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

\+ sign 24.632+/-0.003 χ^2/NDF: 5150076.5/50

All: 24.128+/-0.002 χ^2/NDF: 12238089.4/103

\- sign 23.644+/-0.003 χ^2/NDF: 7044434.3/52



Right In: -0.015+/-0.009 χ^2/NDF: 23.3/26

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.005+/-0.009 χ^2/NDF: 24.4/29

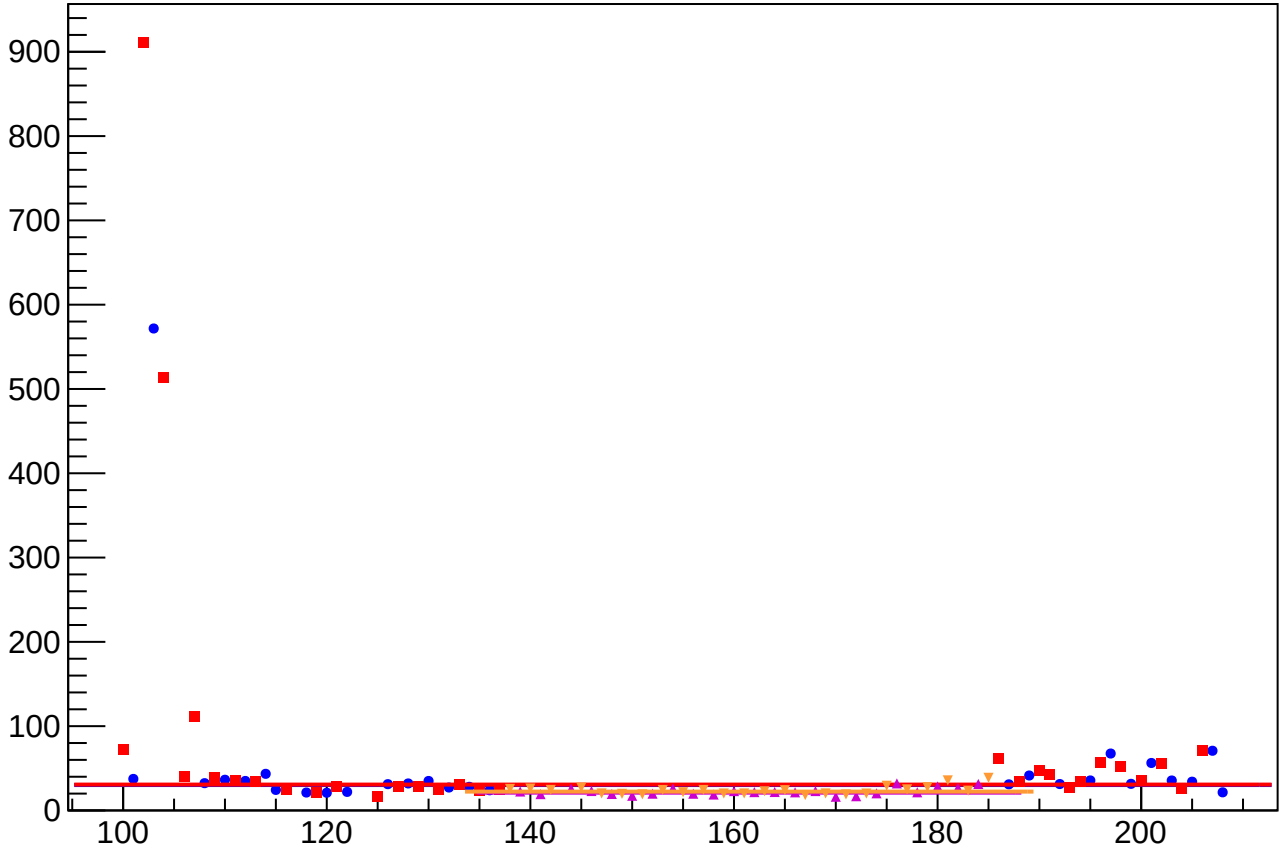
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.006+/-0.005 χ^2/NDF: 40.9/50

All: -0.002+/-0.003 χ^2/NDF: 81.8/103

\- sign 0.002+/-0.005 χ^2/NDF: 39.4/52

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.147+/-0.006 χ^2/NDF: 3235541.0/26

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

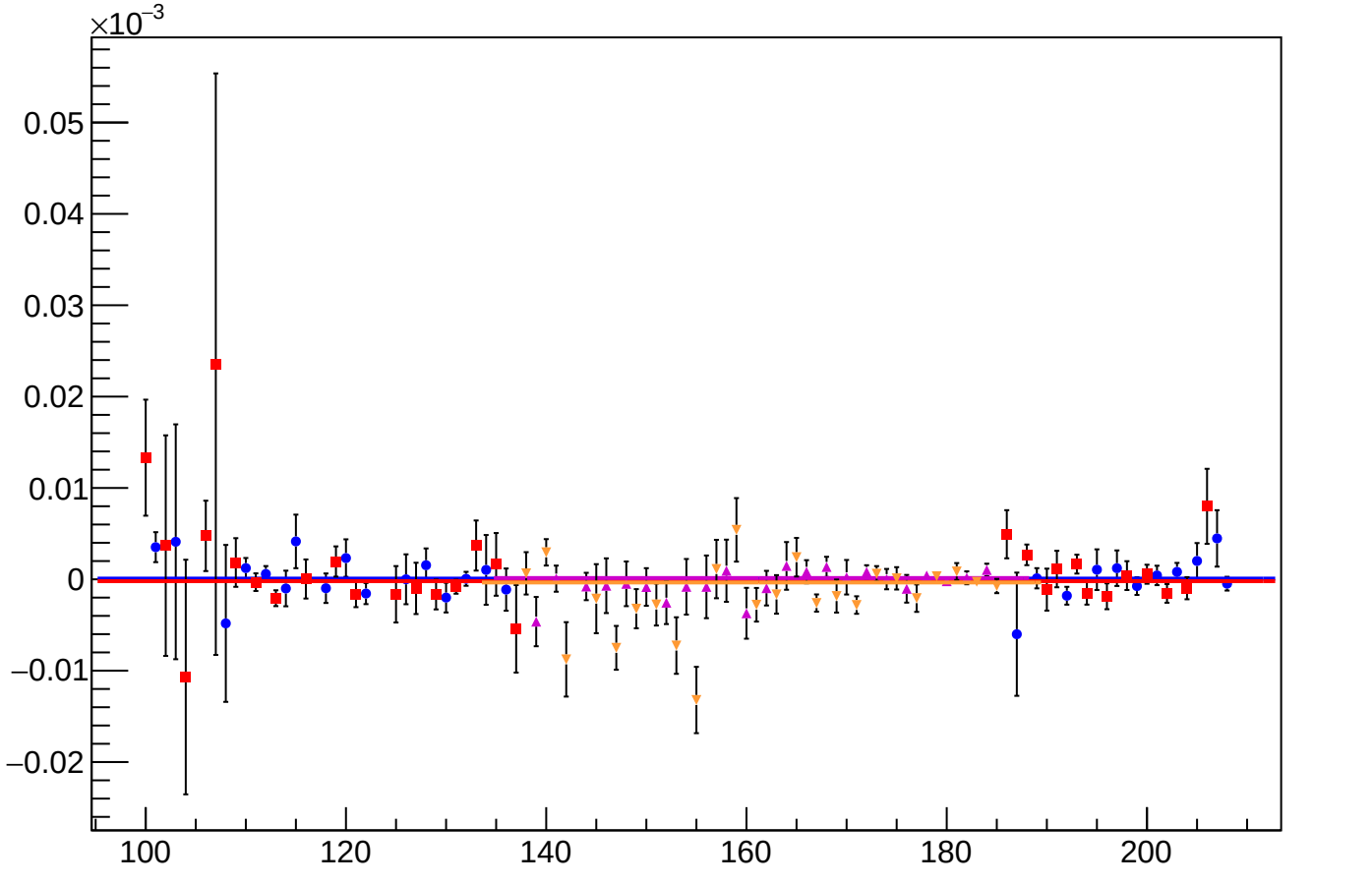
Right Out: 30.681+/-0.006 χ^2/NDF: 4592488.5/29

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

\+ sign 24.632+/-0.003 χ^2/NDF: 5150076.5/50

All: 24.128+/-0.002 χ^2/NDF: 12238089.4/103

\- sign 23.644+/-0.003 χ^2/NDF: 7044434.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 44.0/29

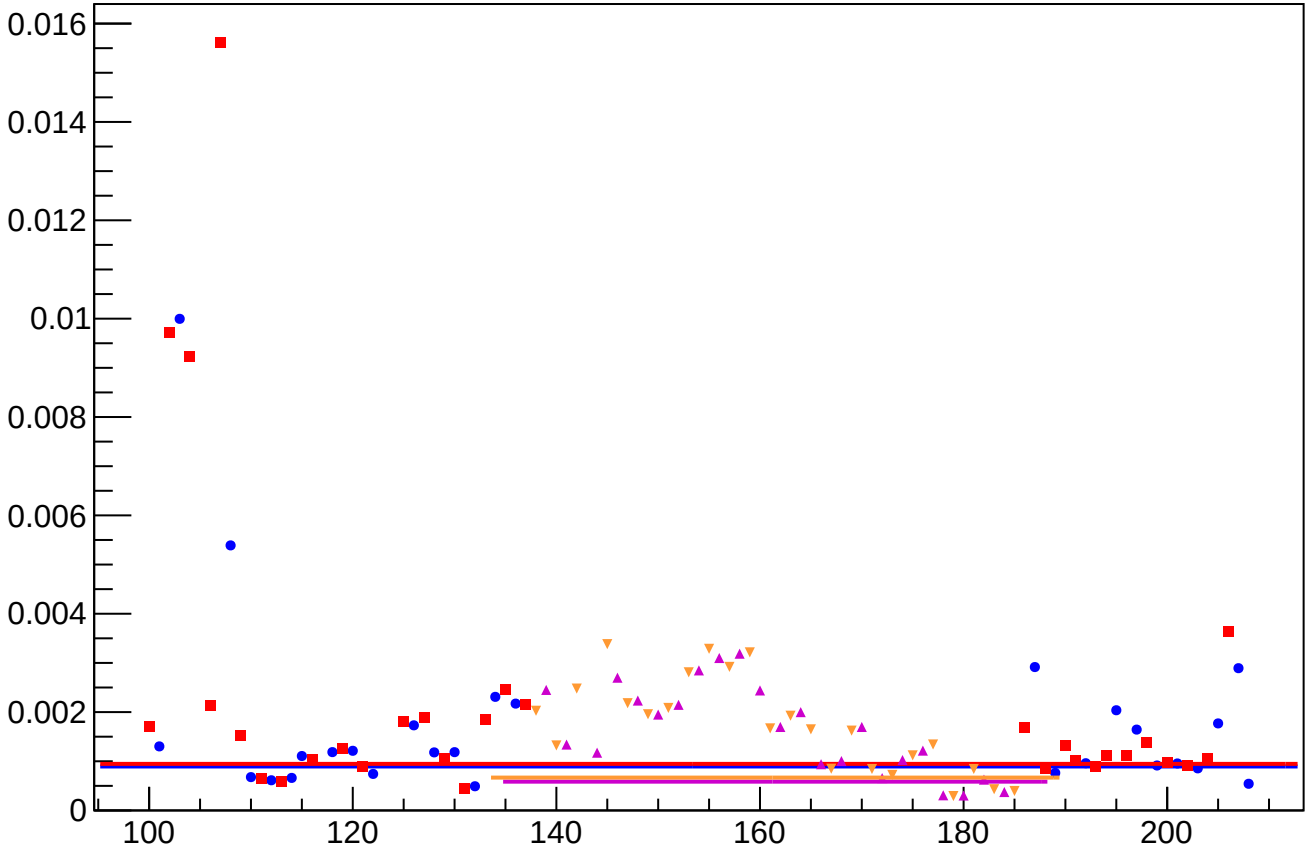
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 94.3/50

All: -0.000+/-0.000 χ^2/NDF: 154.6/103

- sign 0.000+/-0.000 χ^2/NDF: 59.3/52

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6612322.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

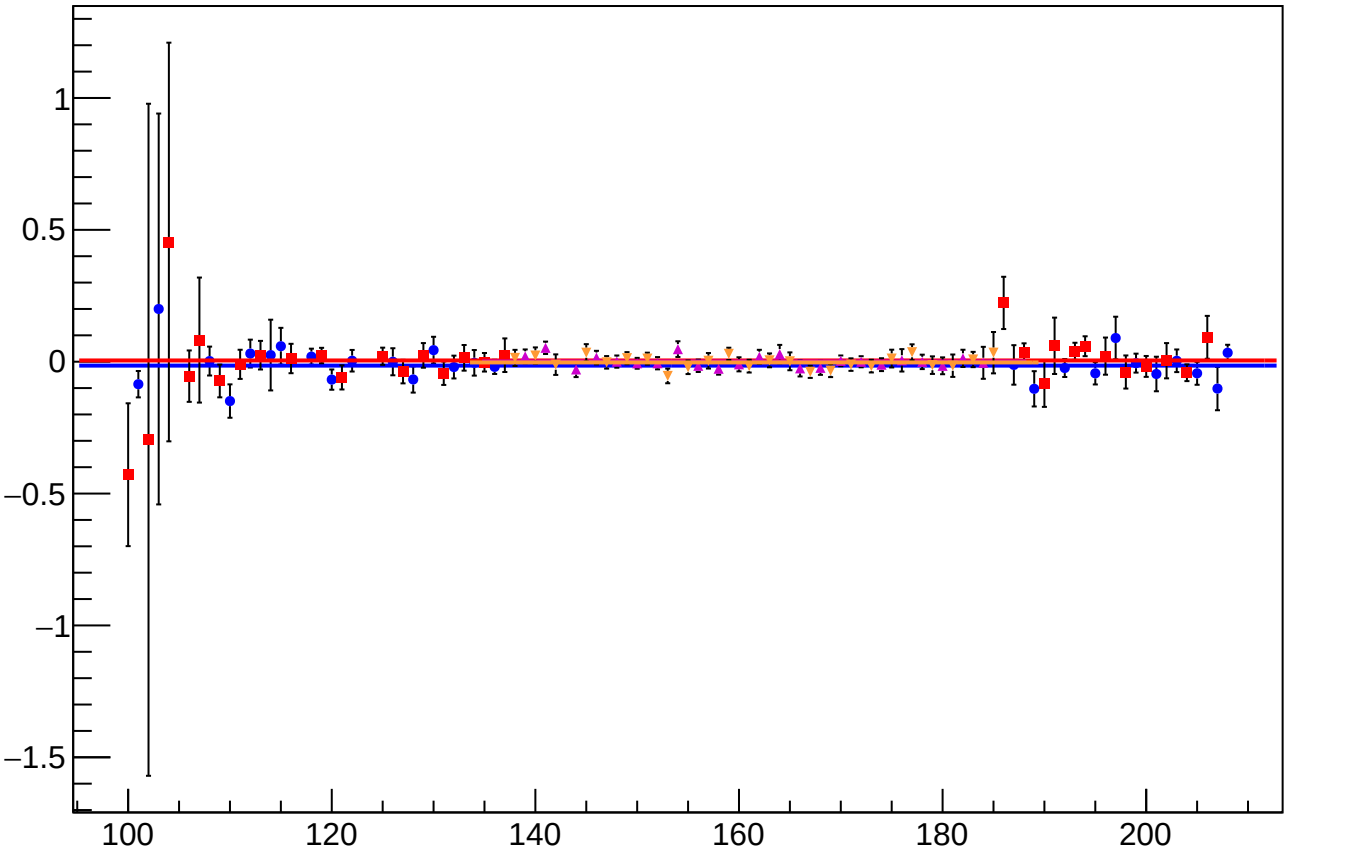
Right Out: 0.001+/-0.000 χ^2/NDF: 6505801.9/29

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 22907699.0/50

All: 0.001+/-0.000 χ^2/NDF: 47497321.0/103

- sign 0.001+/-0.000 χ^2/NDF: 24462664.2/52



Right In: -0.015+/-0.009 χ^2/NDF: 23.3/26

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.005+/-0.009 χ^2/NDF: 24.4/29

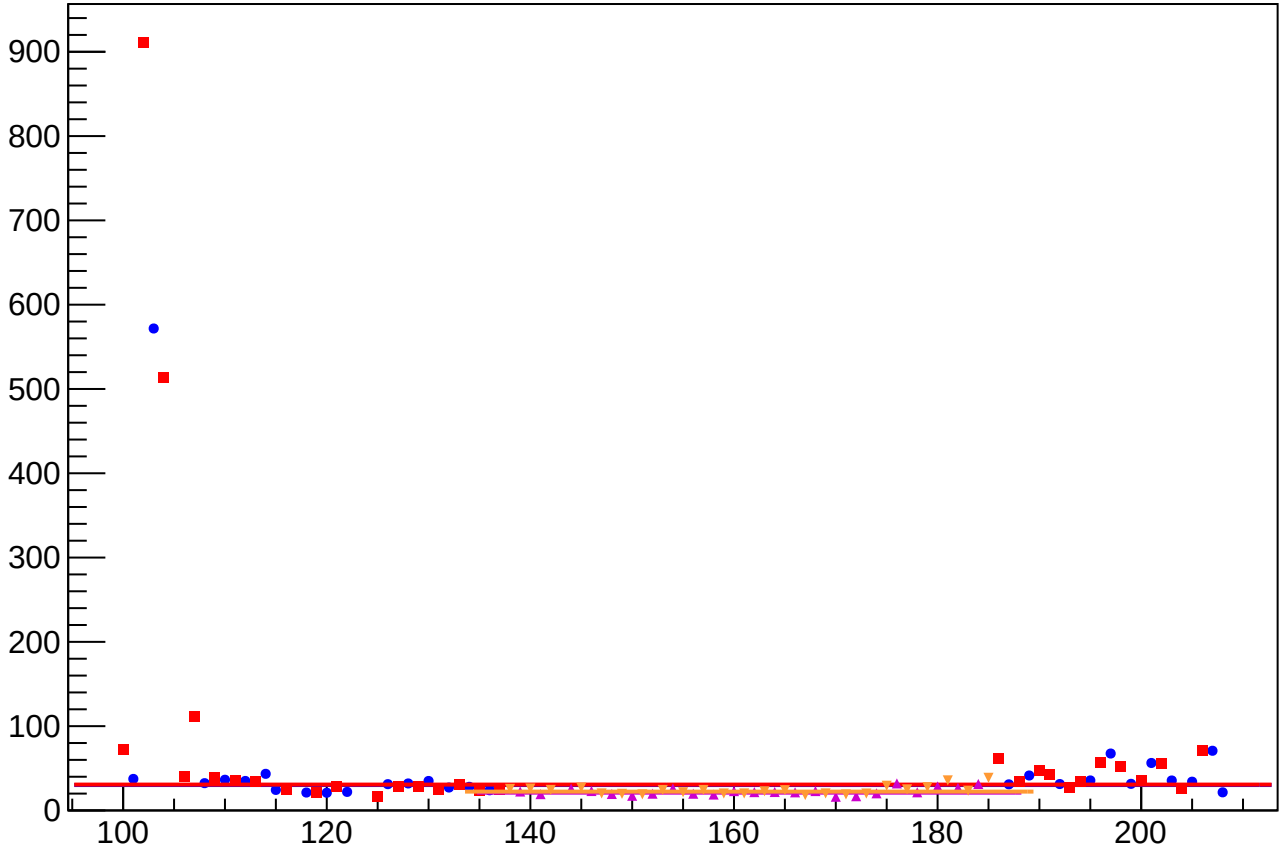
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.006+/-0.005 χ^2/NDF: 40.9/50

All: -0.002+/-0.003 χ^2/NDF: 81.8/103

\- sign 0.002+/-0.005 χ^2/NDF: 39.4/52

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.147+/-0.006 χ^2/NDF: 3235594.3/26

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

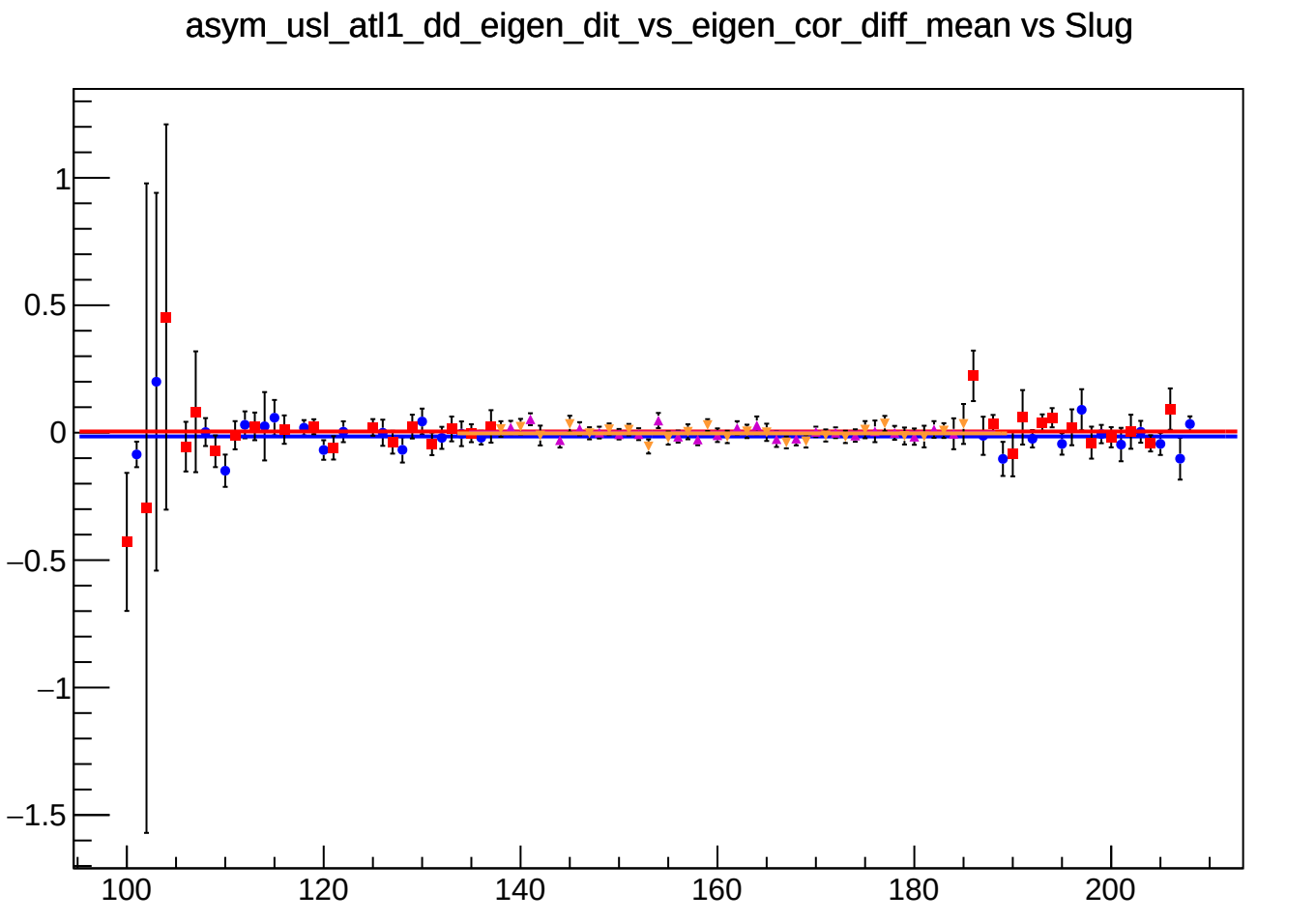
Right Out: 30.681+/-0.006 χ^2/NDF: 4592550.4/29

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

\+ sign 24.632+/-0.003 χ^2/NDF: 5150113.7/50

All: 24.128+/-0.002 χ^2/NDF: 12238215.2/103

\- sign 23.644+/-0.003 χ^2/NDF: 7044525.1/52



Right In: -0.015+/-0.009 χ^2/NDF: 23.3/26

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

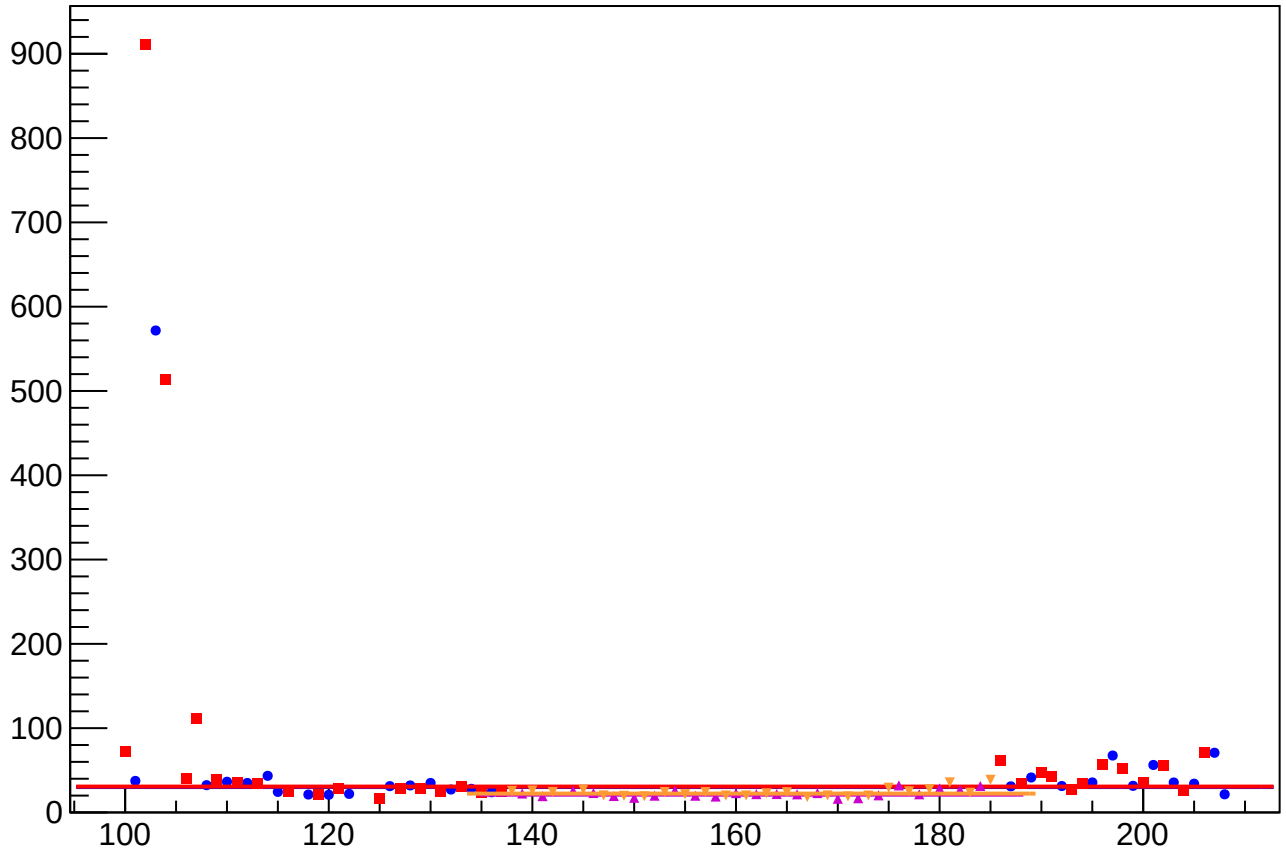
Right Out: 0.005+/-0.009 χ^2/NDF: 24.4/29

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.006+/-0.005 χ^2/NDF: 40.9/50

All: -0.002+/-0.003 χ^2/NDF: 81.8/103

\- sign 0.002+/-0.005 χ^2/NDF: 39.4/52



Right In: 30.147+/-0.006 χ^2/NDF: 3235594.3/26

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

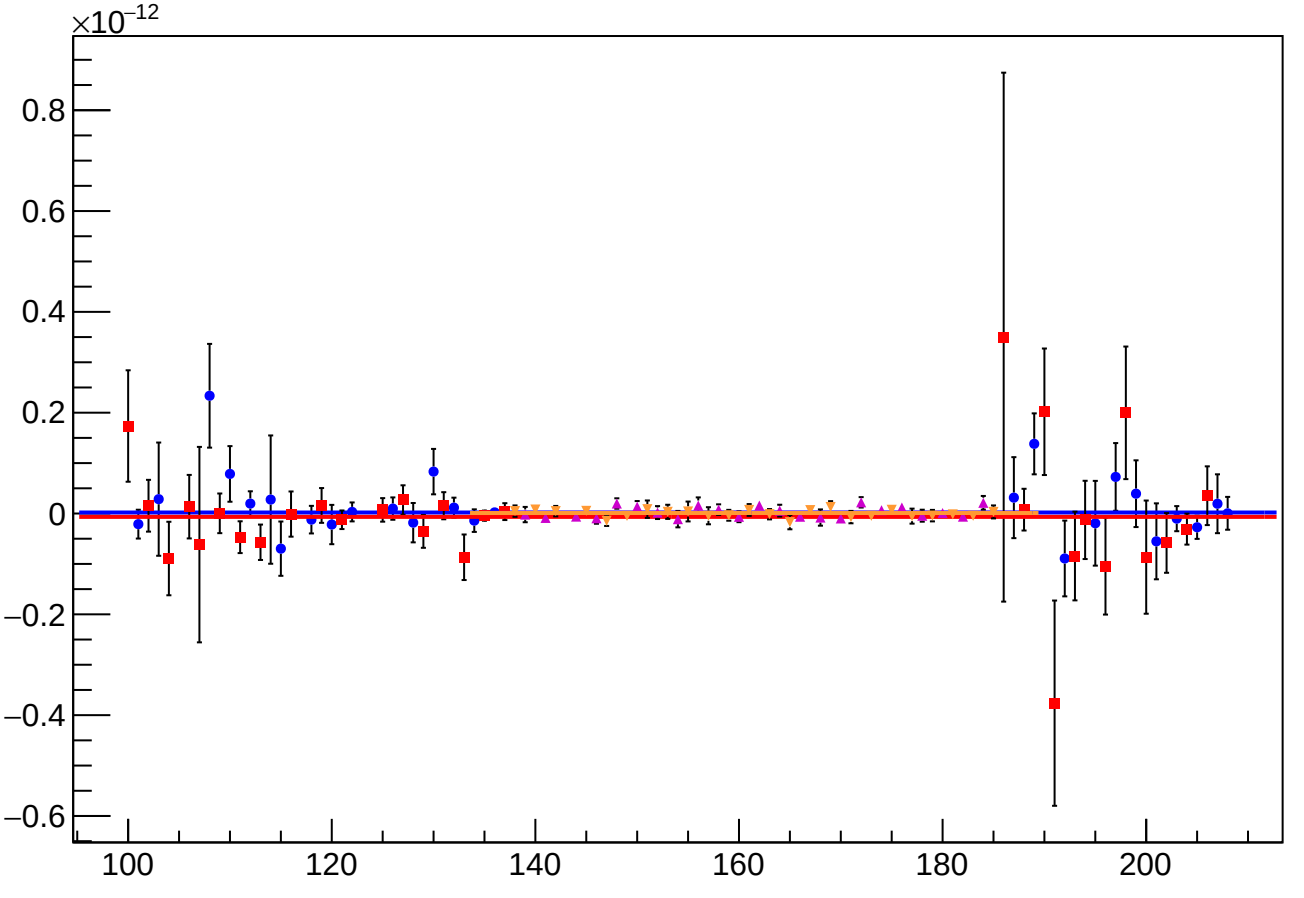
Right Out: 30.681+/-0.006 χ^2/NDF: 4592550.4/29

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.632+/-0.003 χ^2/NDF: 5150113.7/50

All: 24.128+/-0.002 χ^2/NDF: 12238215.2/103

- sign 23.644+/-0.003 χ^2/NDF: 7044525.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

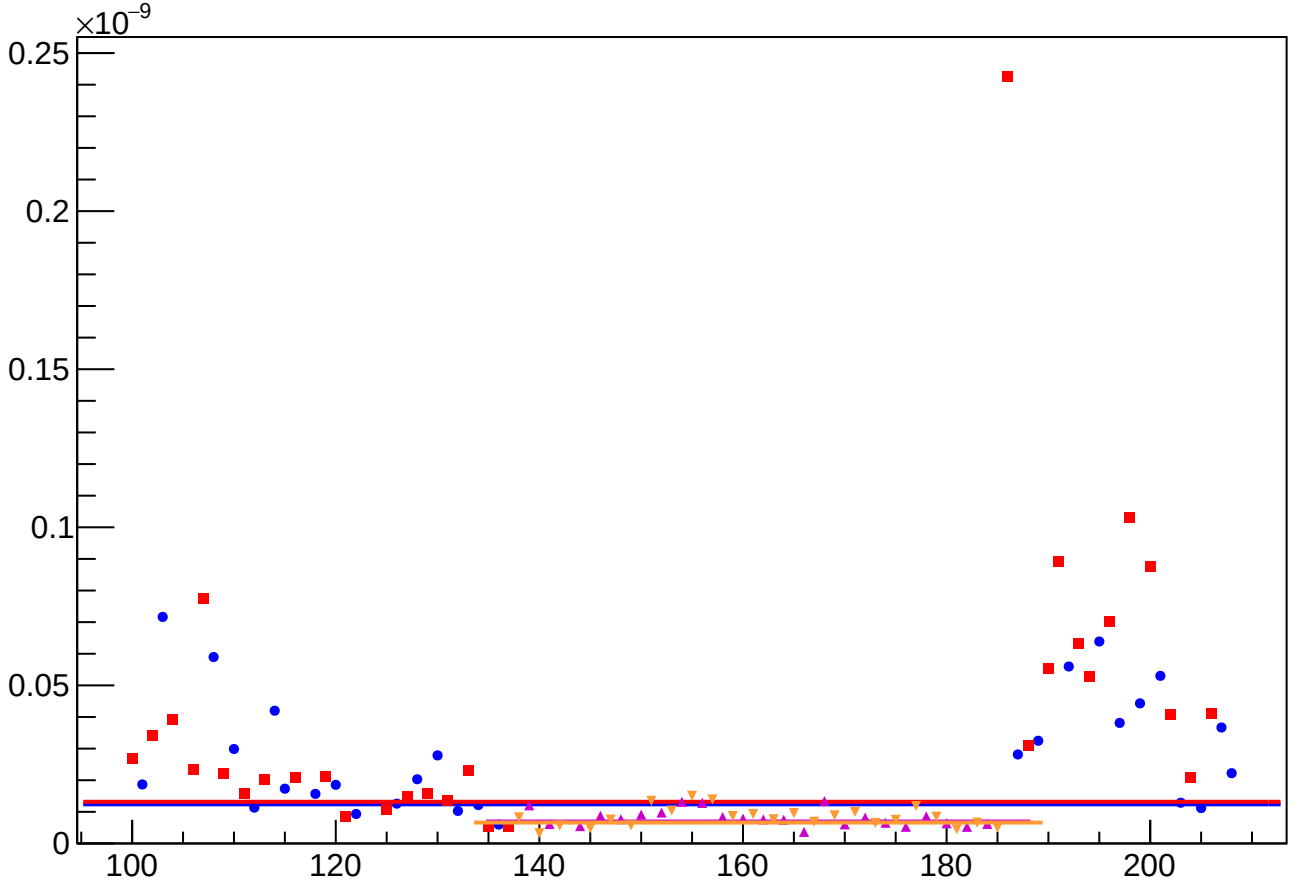
Right Out: -0.000+/-0.000 χ^2/NDF: 28.6/29

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.4/50

All: 0.000+/-0.000 χ^2/NDF: 93.5/103

- sign 0.000+/-0.000 χ^2/NDF: 56.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 6616163.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9101616.1/29

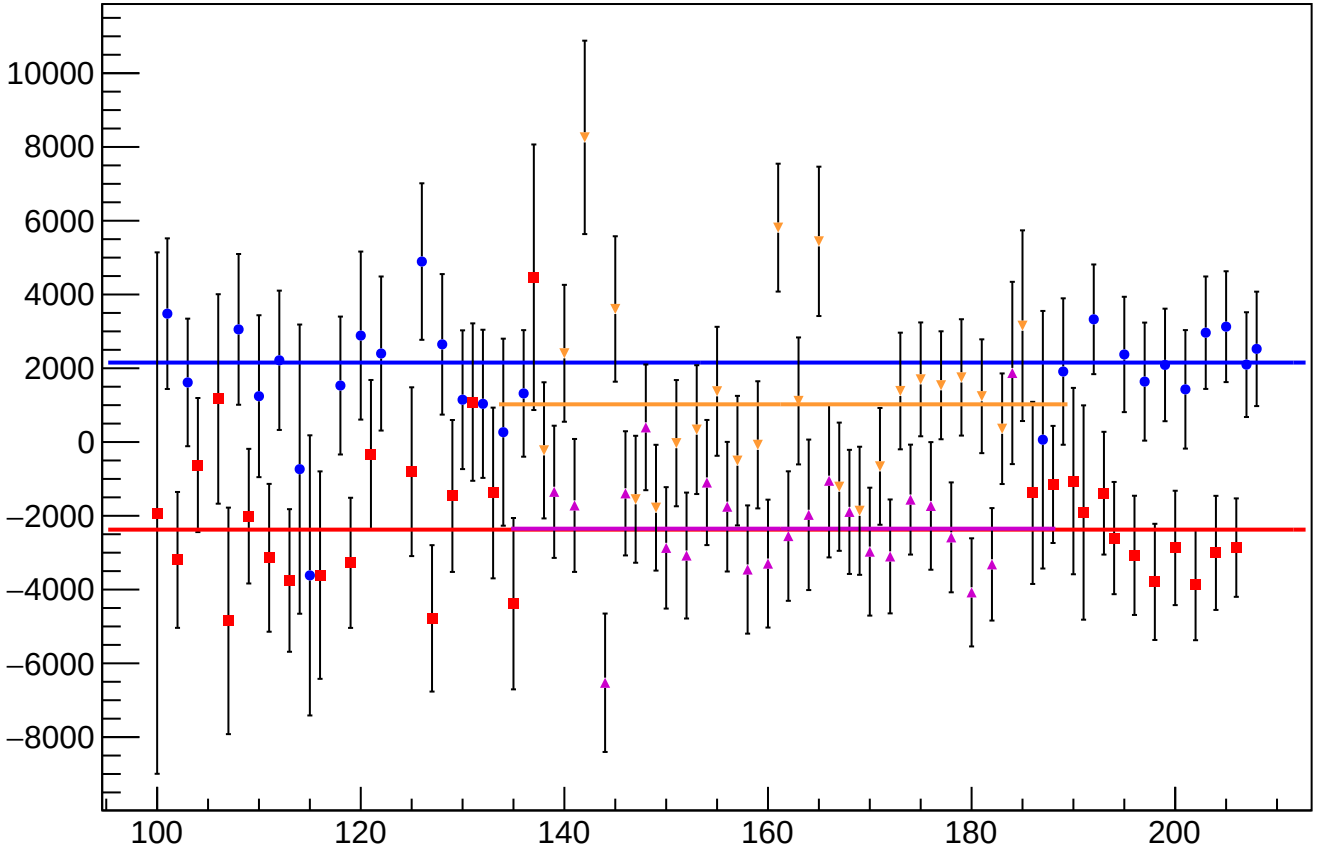
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 12193685.5/50

All: 0.000+/-0.000 χ^2/NDF: 25703298.6/103

- sign 0.000+/-0.000 χ^2/NDF: 13485639.4/52

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2154.462+/-356.761 χ^2/NDF: 9.2/26

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2375.005+/-354.462 χ^2/NDF: 18.6/29

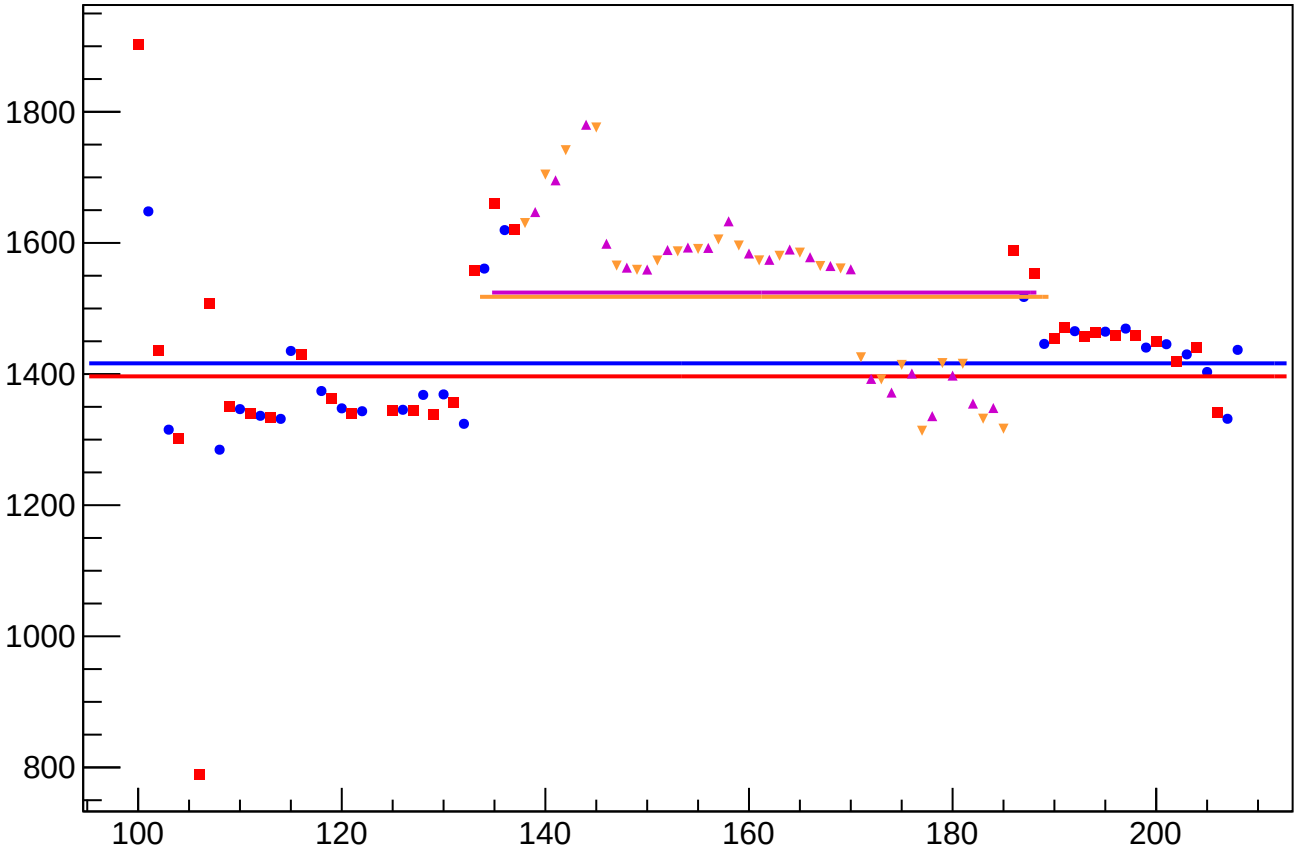
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1583.270+/-251.093 χ^2/NDF: 50.7/50

All: -385.800+/-177.714 χ^2/NDF: 208.5/103

- sign -2362.191+/-251.559 χ^2/NDF: 34.6/52

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1416.357+/-0.252 χ^2/NDF: 113671.5/26

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

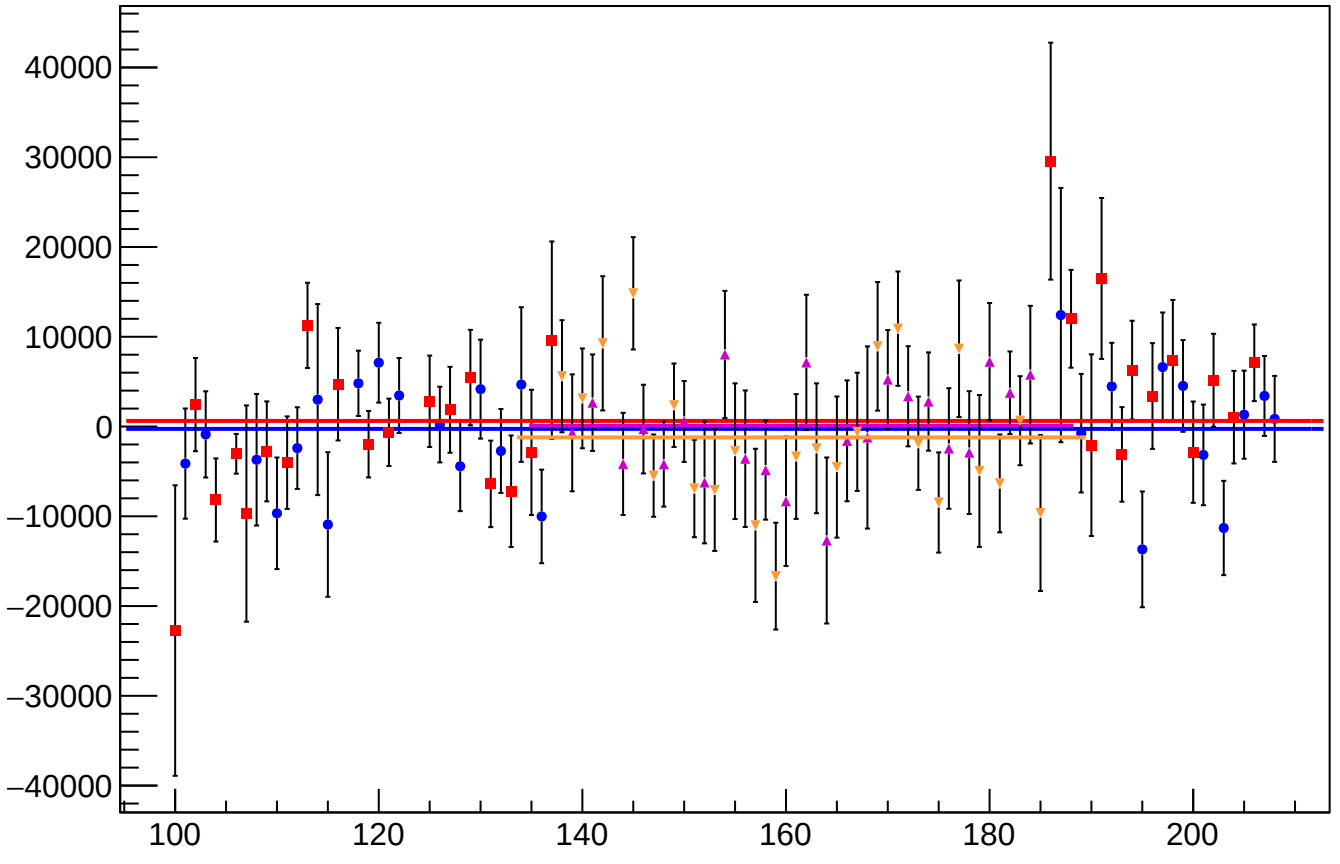
Right Out: 1396.488+/-0.247 χ^2/NDF: 399241.2/29

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1467.558+/-0.178 χ^2/NDF: 429257.5/50

All: 1463.240+/-0.125 χ^2/NDF: 1185018.0/10

- sign 1458.971+/-0.177 χ^2/NDF: 754584.3/52



Right In: -262.432+/-1021.260 χ^2/NDF: 29.7/26

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 626.591+/-936.460 χ^2/NDF: 40.9/29

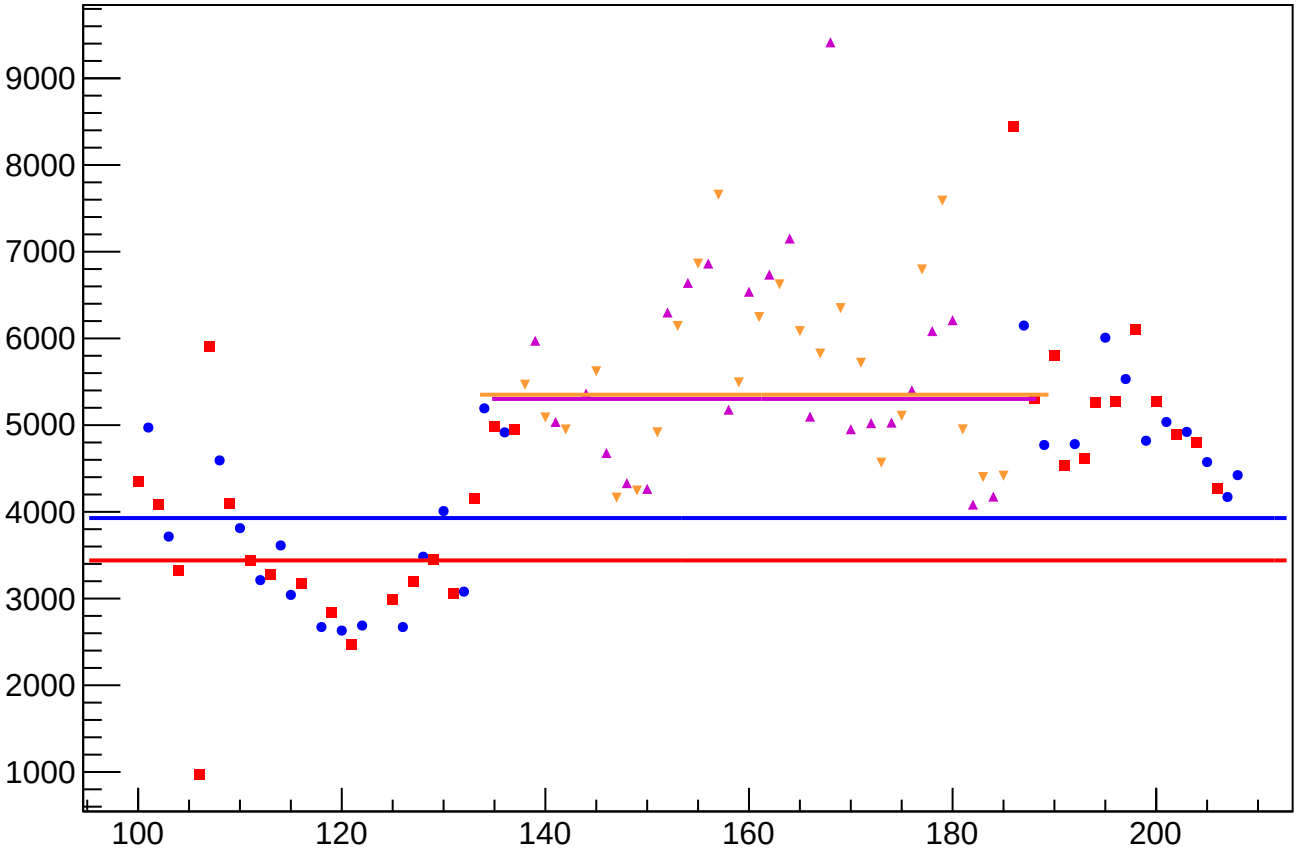
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -635.890+/-795.444 χ^2/NDF: 63.3/50

All: -71.706+/-546.658 χ^2/NDF: 118.4/103

- sign 433.233+/-752.522 χ^2/NDF: 54.2/52

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3928.495+/-0.722 χ^2/NDF: 1876764.2/26

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3439.912+/-0.662 χ^2/NDF: 5100178.3/29

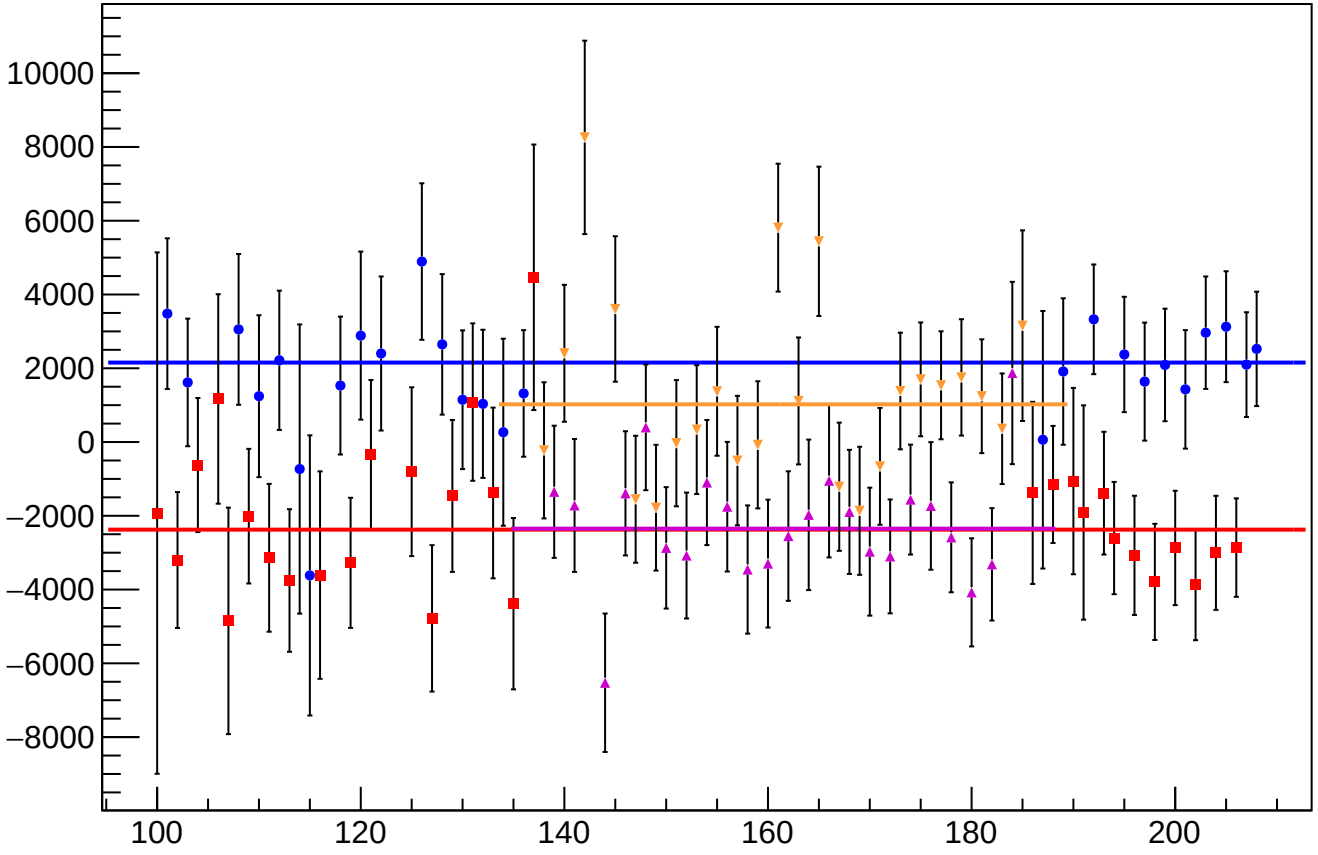
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4488.069+/-0.562 χ^2/NDF: 4469348.2/50

All: 4283.090+/-0.387 χ^2/NDF: 13879435.3/1

- sign 4099.637+/-0.532 χ^2/NDF: 9158415.8/52

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2154.444+/-356.761 χ^2/NDF: 9.2/26

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2375.077+/-354.463 χ^2/NDF: 18.6/29

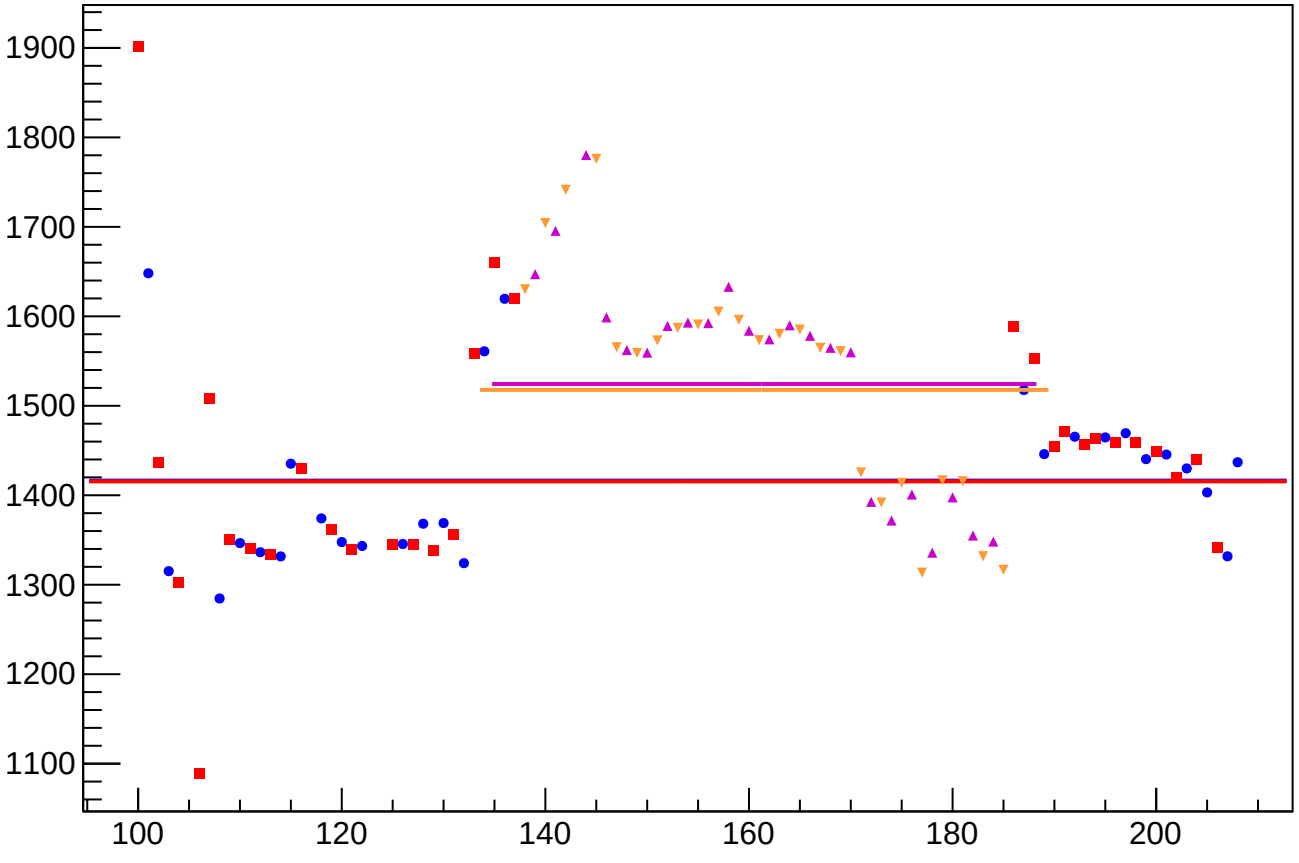
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1583.276+/-251.093 χ^2/NDF: 50.7/50

All: -385.811+/-177.714 χ^2/NDF: 208.5/103

- sign -2362.226+/-251.559 χ^2/NDF: 34.6/52

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1416.357+/-0.252 χ^2/NDF: 113671.5/26

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1415.560+/-0.249 χ^2/NDF: 165662.2/29

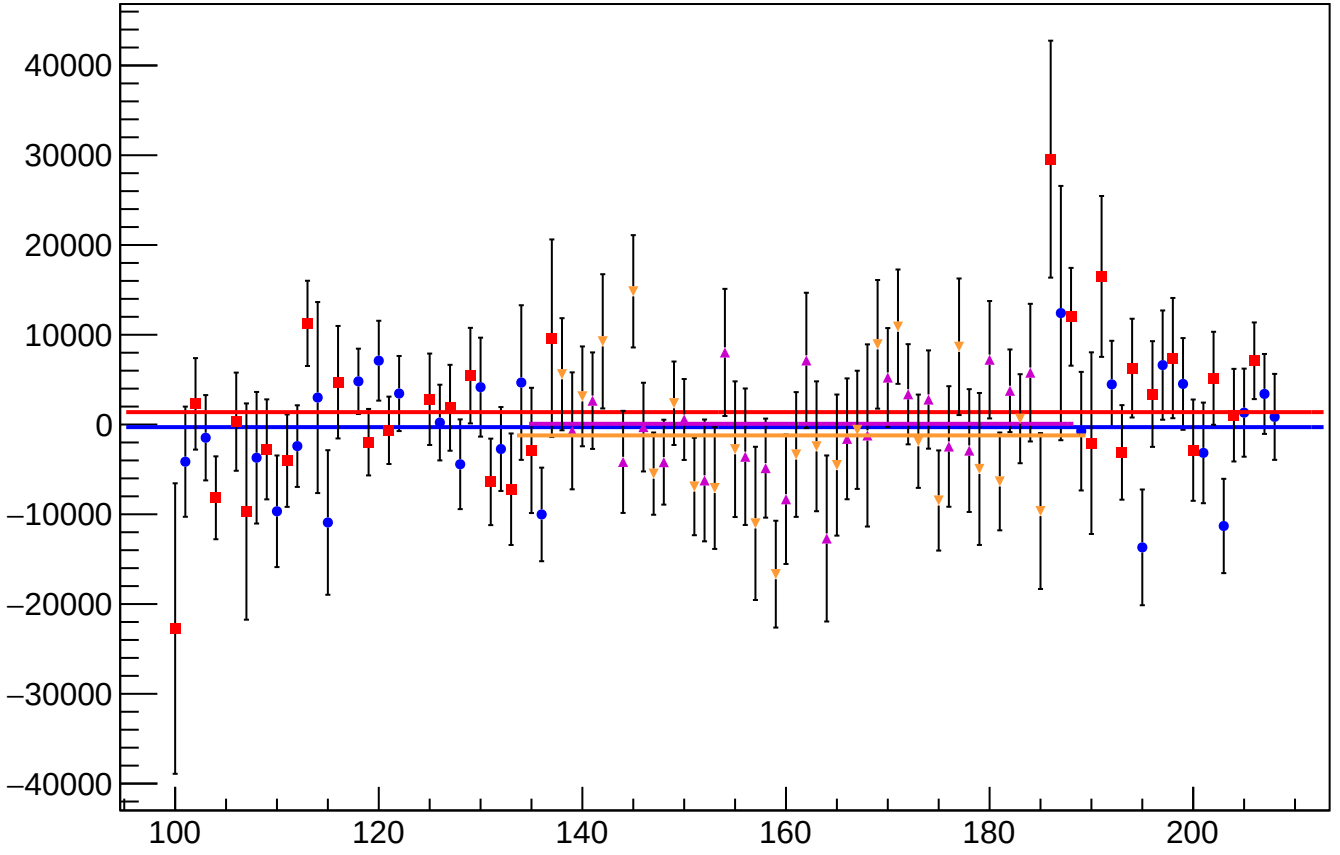
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1467.558+/-0.178 χ^2/NDF: 429257.6/50

All: 1468.379+/-0.125 χ^2/NDF: 913310.0/103

- sign 1469.198+/-0.177 χ^2/NDF: 484009.7/52

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -290.836+/-1020.777 χ^2/NDF: 29.7/26

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 1380.885+/-1014.550 χ^2/NDF: 37.6/29

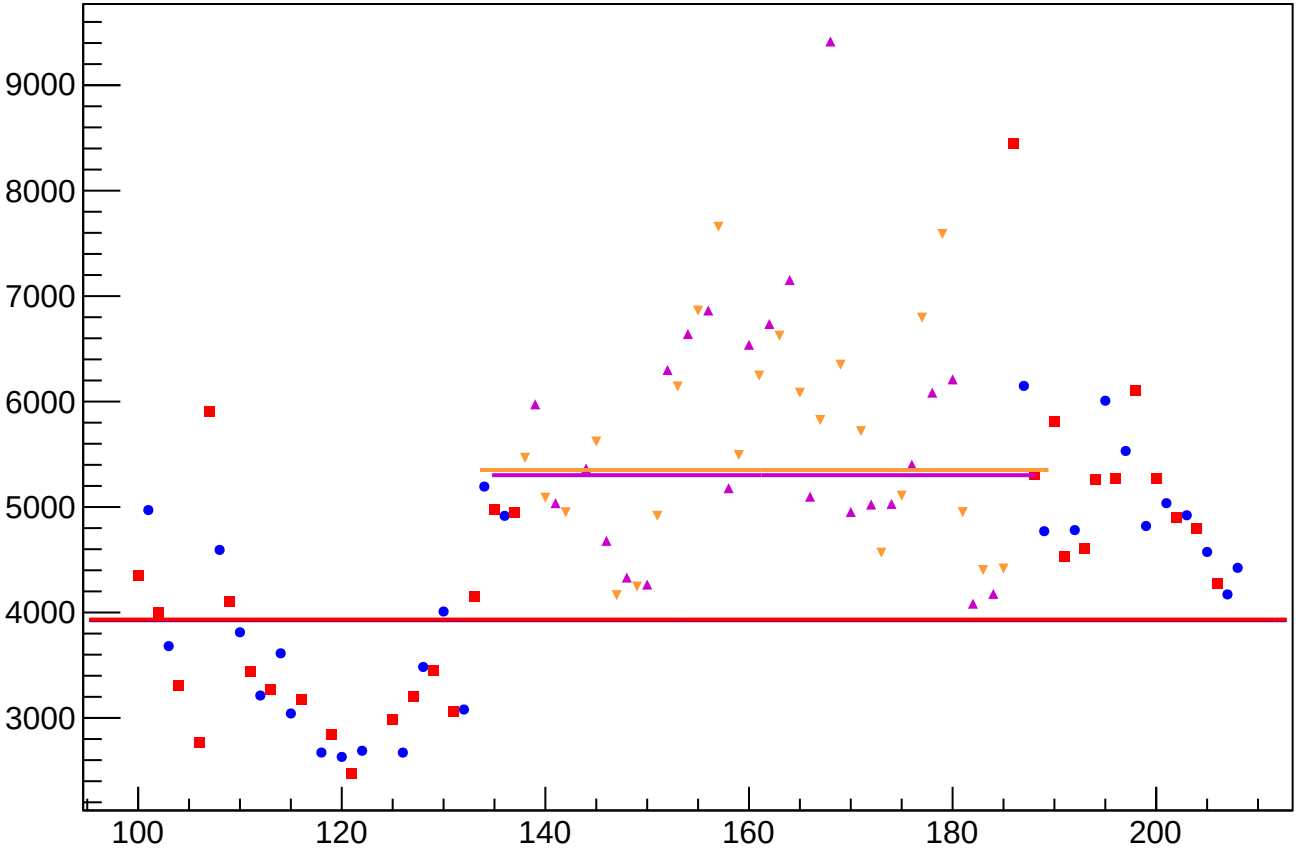
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -652.912+/-795.216 χ^2/NDF: 63.3/50

All: 113.122+/-560.908 χ^2/NDF: 116.6/103

- sign 871.602+/-791.286 χ^2/NDF: 51.4/52

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3926.729+/-0.722 χ^2/NDF: 1878118.1/26

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3932.772+/-0.717 χ^2/NDF: 2161579.6/29

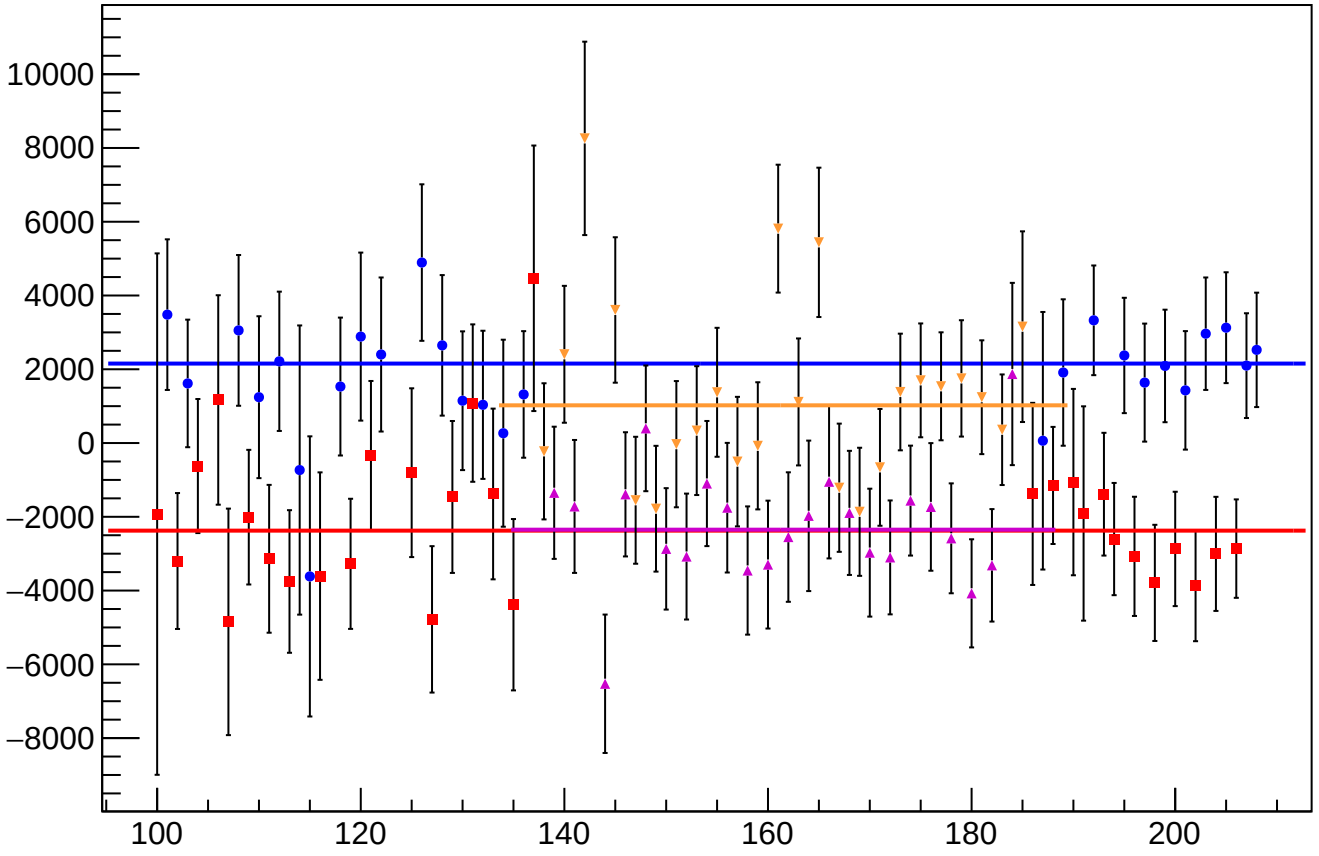
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4486.678+/-0.562 χ^2/NDF: 4475066.7/50

All: 4477.877+/-0.397 χ^2/NDF: 9320695.4/10

- sign 4469.163+/-0.560 χ^2/NDF: 4845141.2/52

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2154.444+/-356.761 χ^2/NDF: 9.2/26

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2375.077+/-354.463 χ^2/NDF: 18.6/29

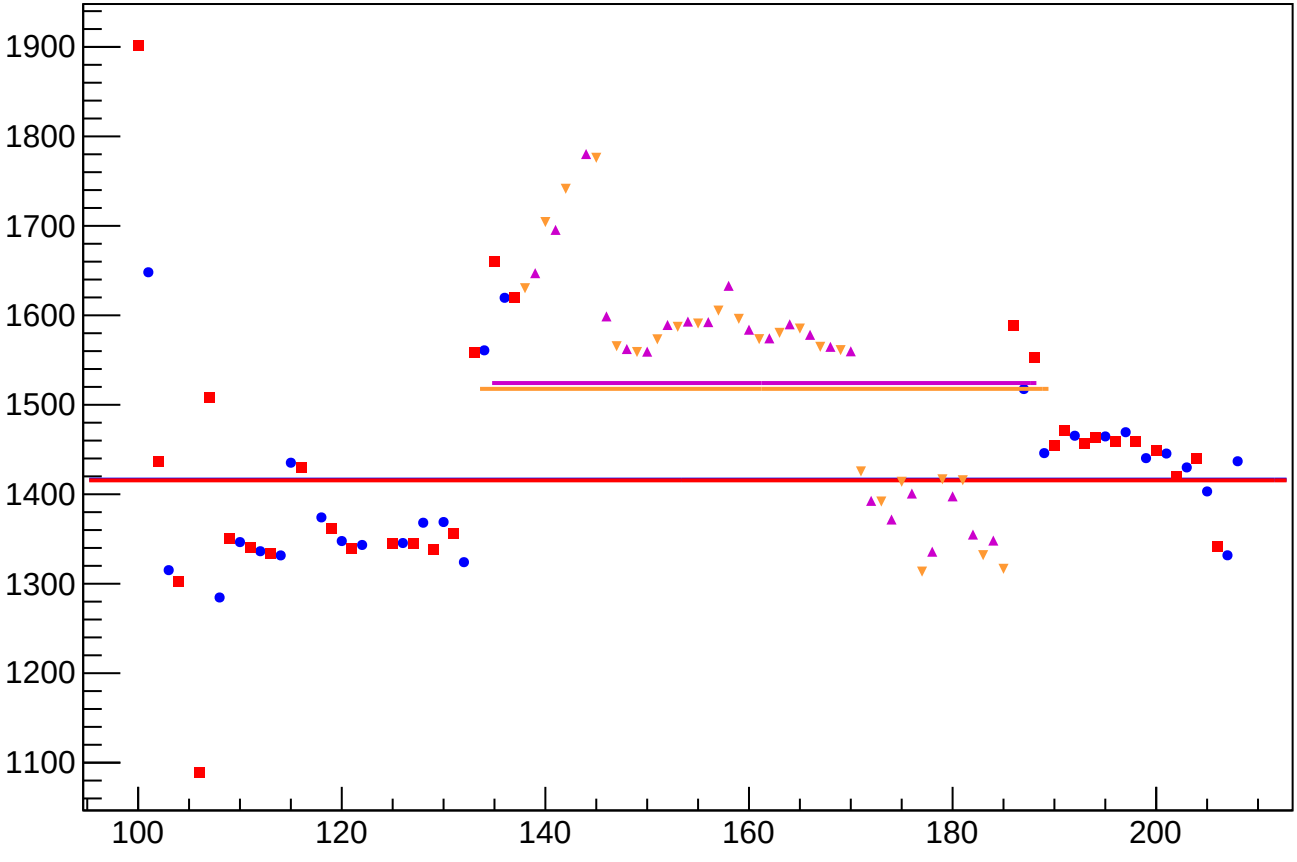
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1583.276+/-251.093 χ^2/NDF: 50.7/50

All: -385.811+/-177.714 χ^2/NDF: 208.5/103

- sign -2362.226+/-251.559 χ^2/NDF: 34.6/52

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1416.357+/-0.252 χ^2/NDF: 113671.5/26

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

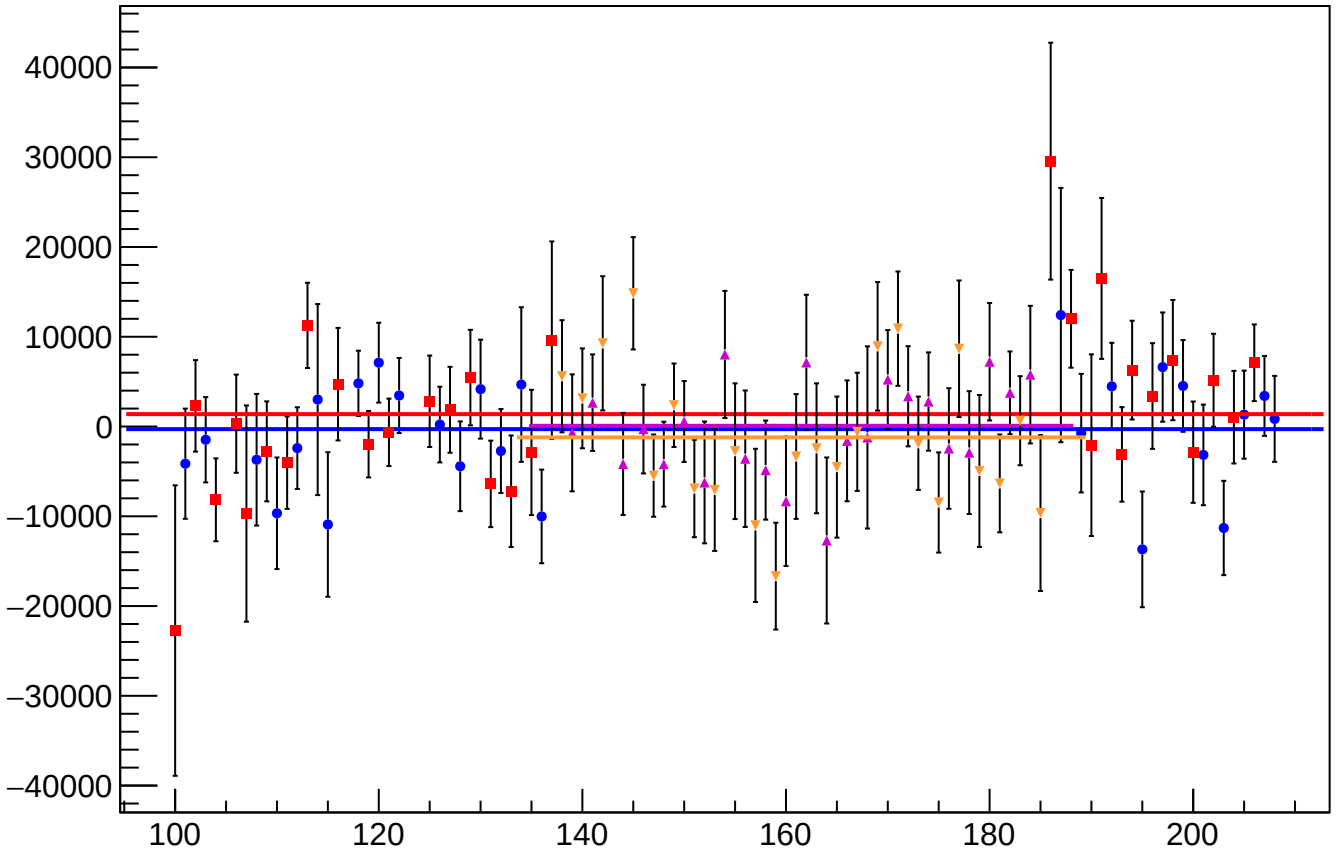
Right Out: 1415.560+/-0.249 χ^2/NDF: 165662.2/29

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1467.558+/-0.178 χ^2/NDF: 429257.6/50

All: 1468.379+/-0.125 χ^2/NDF: 913310.0/103

- sign 1469.198+/-0.177 χ^2/NDF: 484009.7/52



Right In: -290.836+/-1020.777 χ^2/NDF: 29.7/26

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

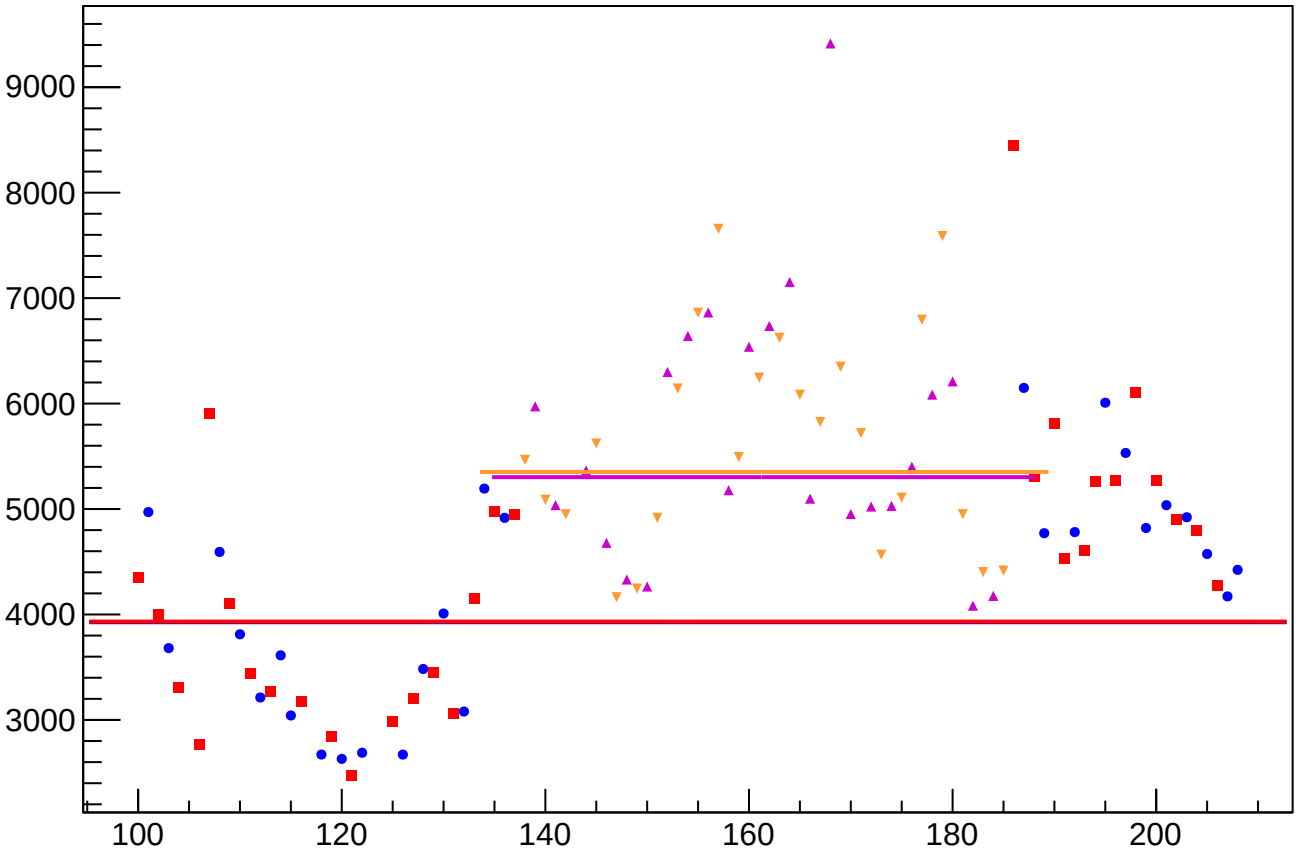
Right Out: 1380.885+/-1014.550 χ^2/NDF: 37.6/29

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -652.912+/-795.216 χ^2/NDF: 63.3/50

All: 113.122+/-560.908 χ^2/NDF: 116.6/103

- sign 871.602+/-791.286 χ^2/NDF: 51.4/52



Right In: 3926.729+/-0.722 χ^2/NDF: 1878118.1/26

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3932.772+/-0.717 χ^2/NDF: 2161579.6/29

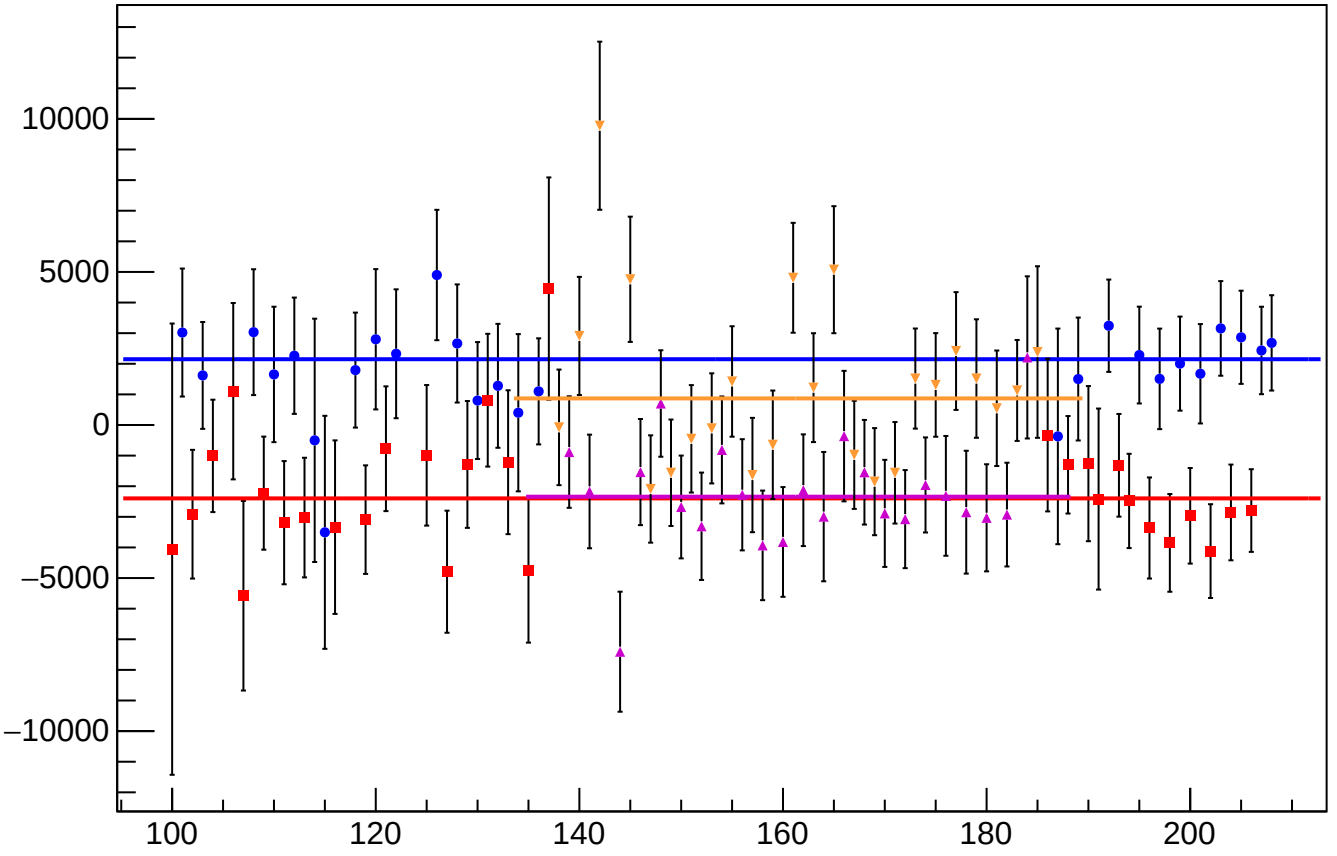
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4486.678+/-0.562 χ^2/NDF: 4475066.7/50

All: 4477.877+/-0.397 χ^2/NDF: 9320695.4/10

- sign 4469.163+/-0.560 χ^2/NDF: 4845141.2/52

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2148.956+/-360.514 χ^2/NDF: 8.7/26

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2397.448+/-359.644 χ^2/NDF: 18.0/29

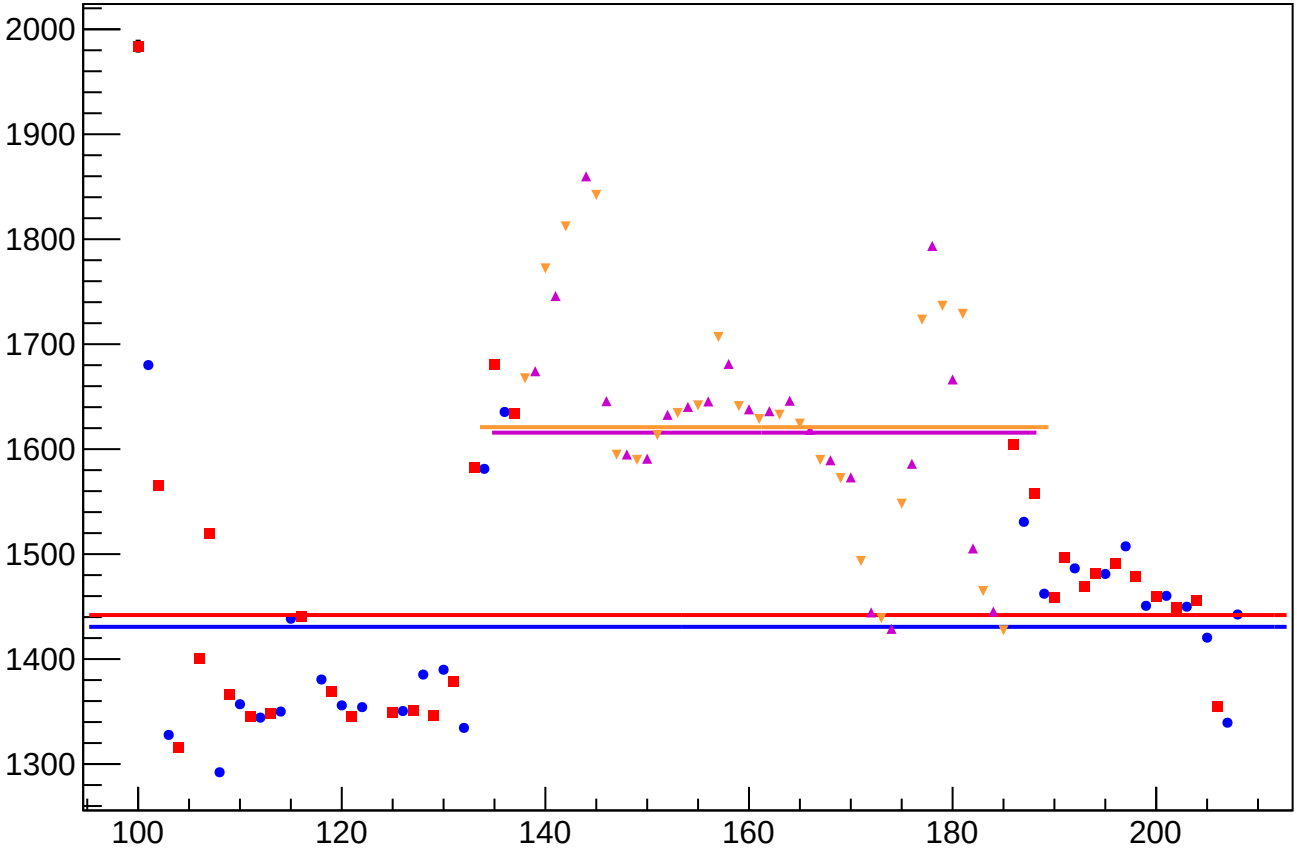
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1537.599+/-260.614 χ^2/NDF: 54.5/50

All: -417.001+/-184.274 χ^2/NDF: 203.1/103

- sign -2371.255+/-260.591 χ^2/NDF: 36.1/52

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1430.709+/-0.255 χ^2/NDF: 122986.0/26

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

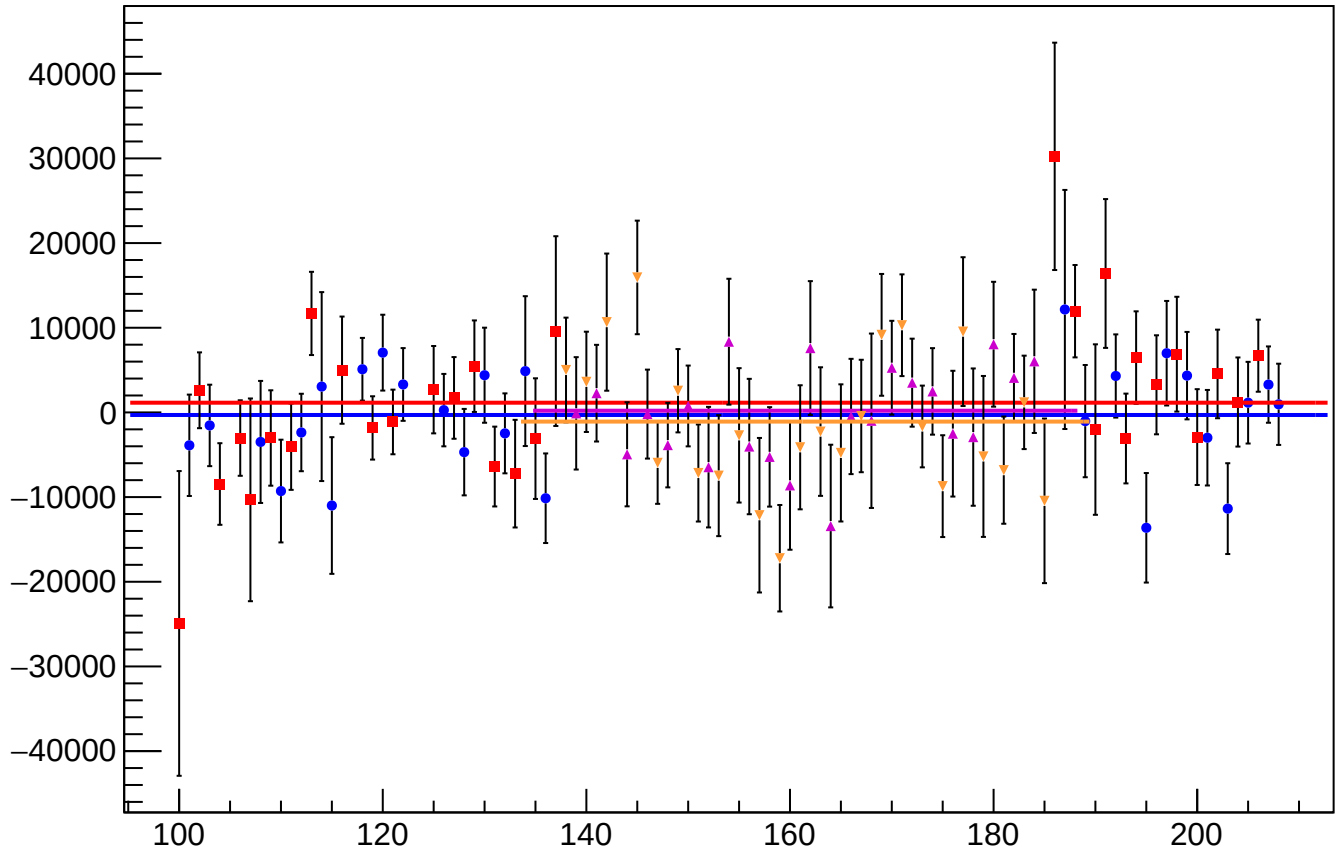
Right Out: 1441.942+/-0.254 χ^2/NDF: 129448.4/29

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1521.531+/-0.184 χ^2/NDF: 530844.2/50

All: 1522.951+/-0.130 χ^2/NDF: 1019566.3/10

- sign 1524.369+/-0.184 χ^2/NDF: 488603.6/52



Right In: -302.679+/-1029.977 χ^2/NDF: 29.3/26

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 1147.575+/-1008.457 χ^2/NDF: 38.3/29

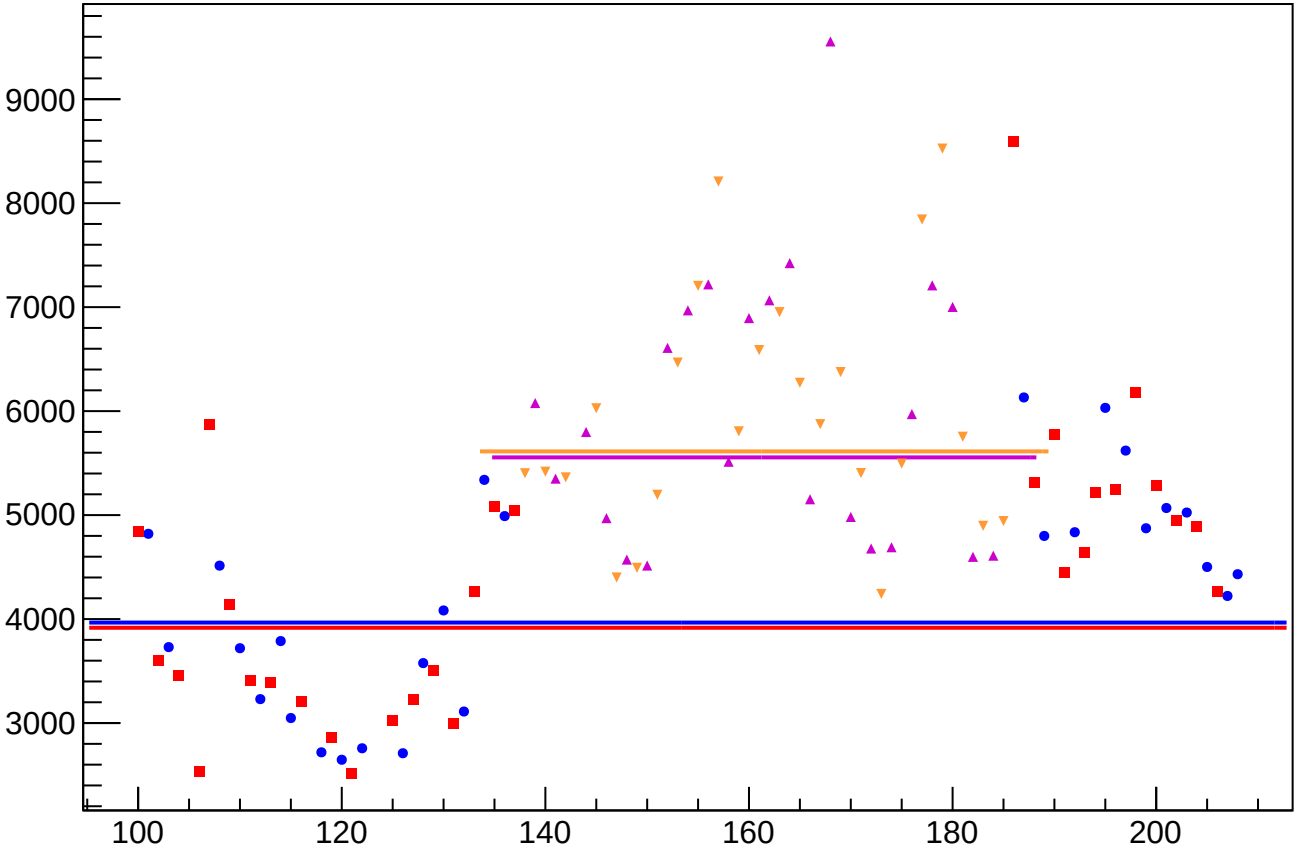
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -594.268+/-814.889 χ^2/NDF: 62.4/50

All: 113.855+/-571.866 χ^2/NDF: 115.4/103

- sign 801.005+/-802.731 χ^2/NDF: 51.5/52

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3966.480+/-0.728 χ^2/NDF: 1825964.0/26

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3916.749+/-0.713 χ^2/NDF: 2247825.8/29

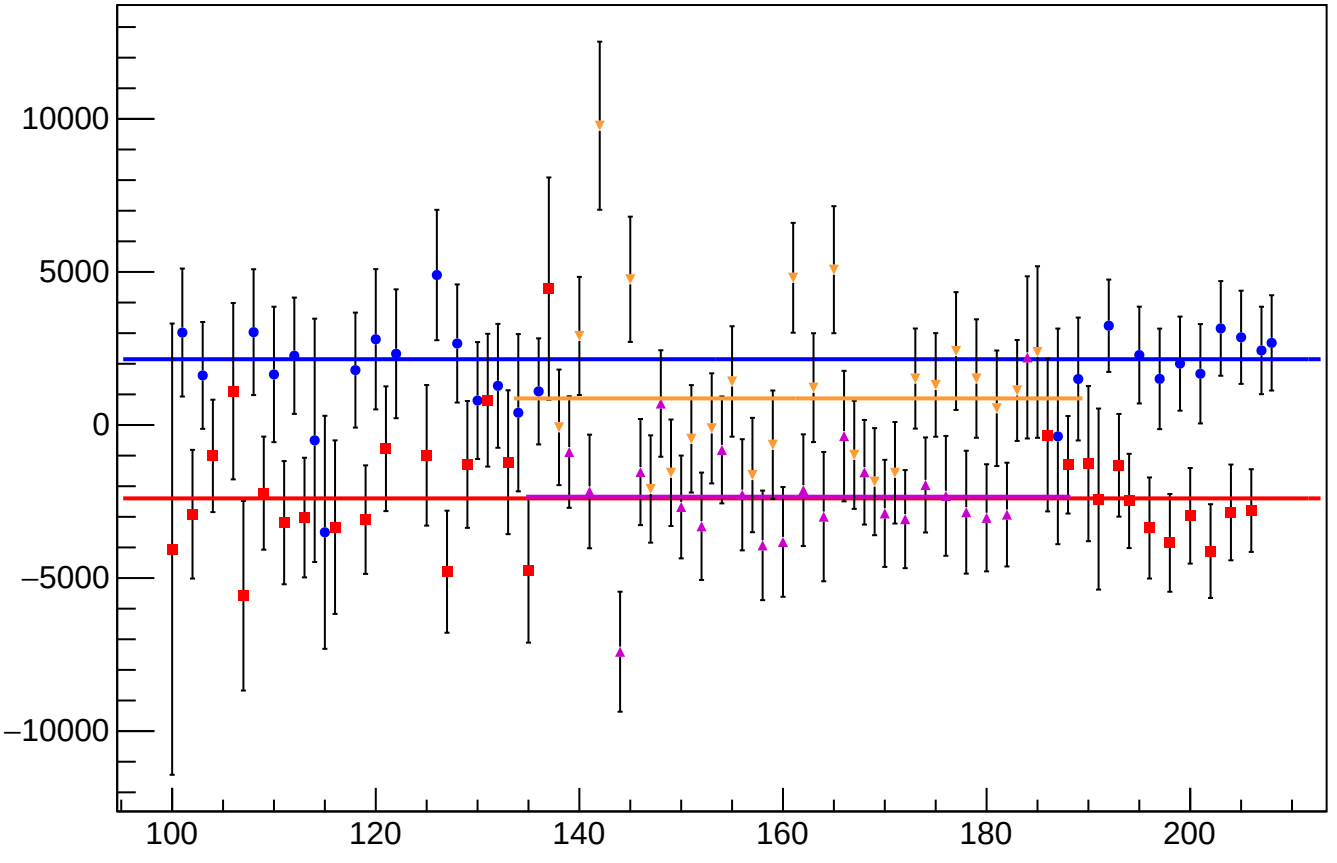
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4582.255+/-0.576 χ^2/NDF: 4925221.9/50

All: 4549.114+/-0.404 χ^2/NDF: 10446177.4/1

- sign 4516.955+/-0.568 χ^2/NDF: 5514437.6/52

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2148.956+/-360.514 χ^2/NDF: 8.7/26

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2397.446+/-359.644 χ^2/NDF: 18.0/29

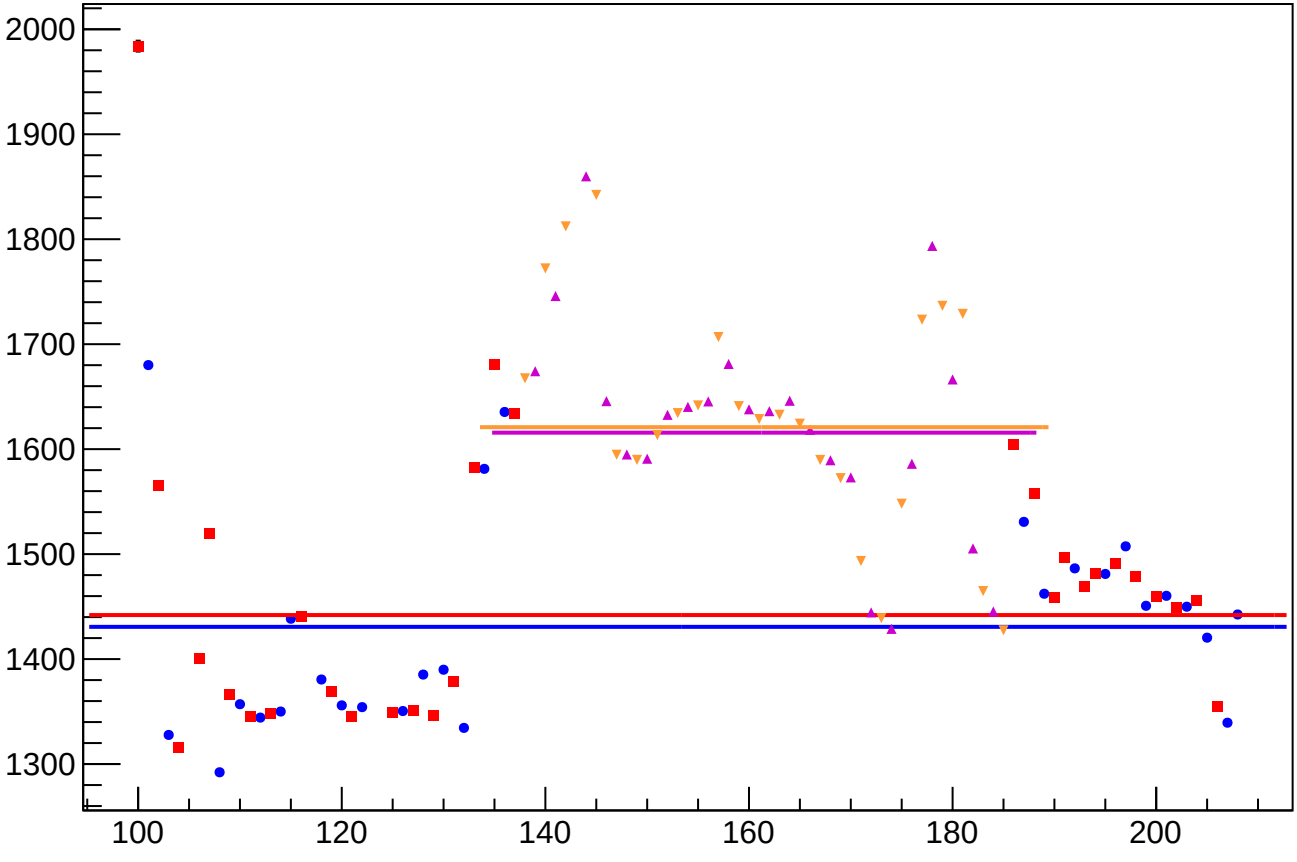
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1537.597+/-260.615 χ^2/NDF: 54.5/50

All: -417.001+/-184.274 χ^2/NDF: 203.1/103

- sign -2371.254+/-260.591 χ^2/NDF: 36.1/52

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1430.709+/-0.255 χ^2/NDF: 122985.9/26

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

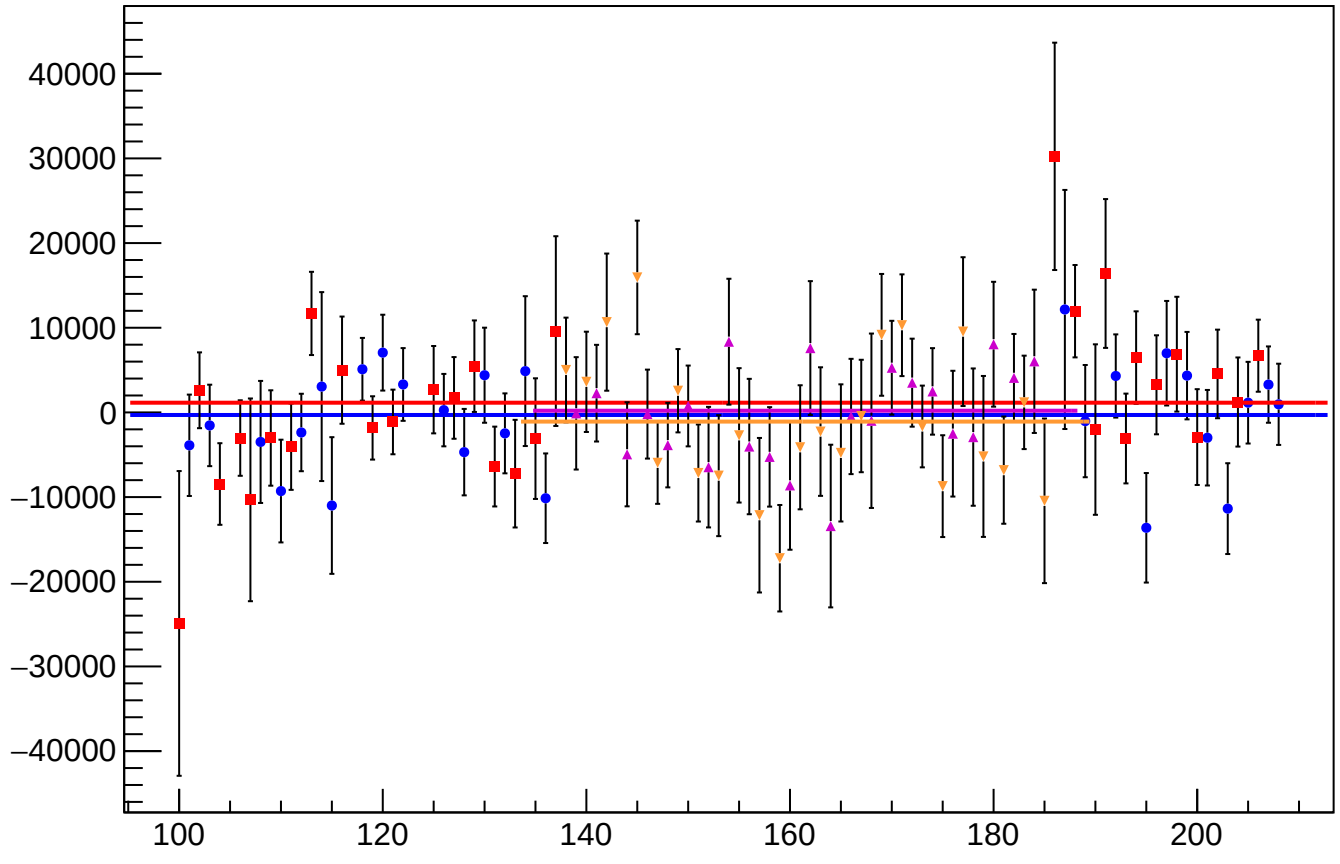
Right Out: 1441.942+/-0.254 χ^2/NDF: 129448.7/29

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1521.532+/-0.184 χ^2/NDF: 530852.1/50

All: 1522.952+/-0.130 χ^2/NDF: 1019582.3/10

- sign 1524.369+/-0.184 χ^2/NDF: 488611.6/52



Right In: -302.674+/-1029.976 χ^2/NDF: 29.3/26

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

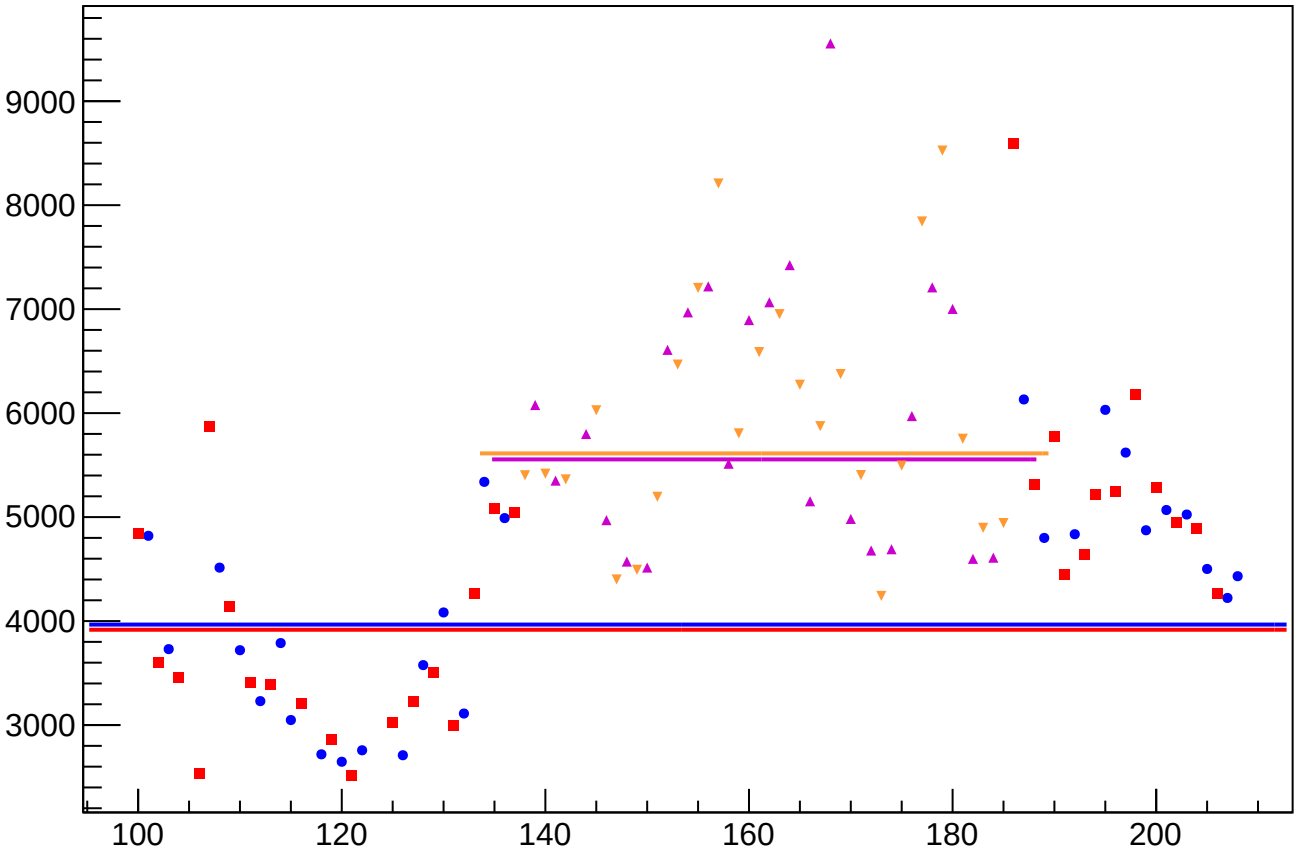
Right Out: 1147.566+/-1008.456 χ^2/NDF: 38.3/29

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

+ sign -594.267+/-814.889 χ^2/NDF: 62.4/50

All: 113.854+/-571.866 χ^2/NDF: 115.4/103

- sign 801.001+/-802.730 χ^2/NDF: 51.5/52



Right In: 3966.474+/-0.728 χ^2/NDF: 1825998.9/26

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3916.742+/-0.713 χ^2/NDF: 2247855.1/29

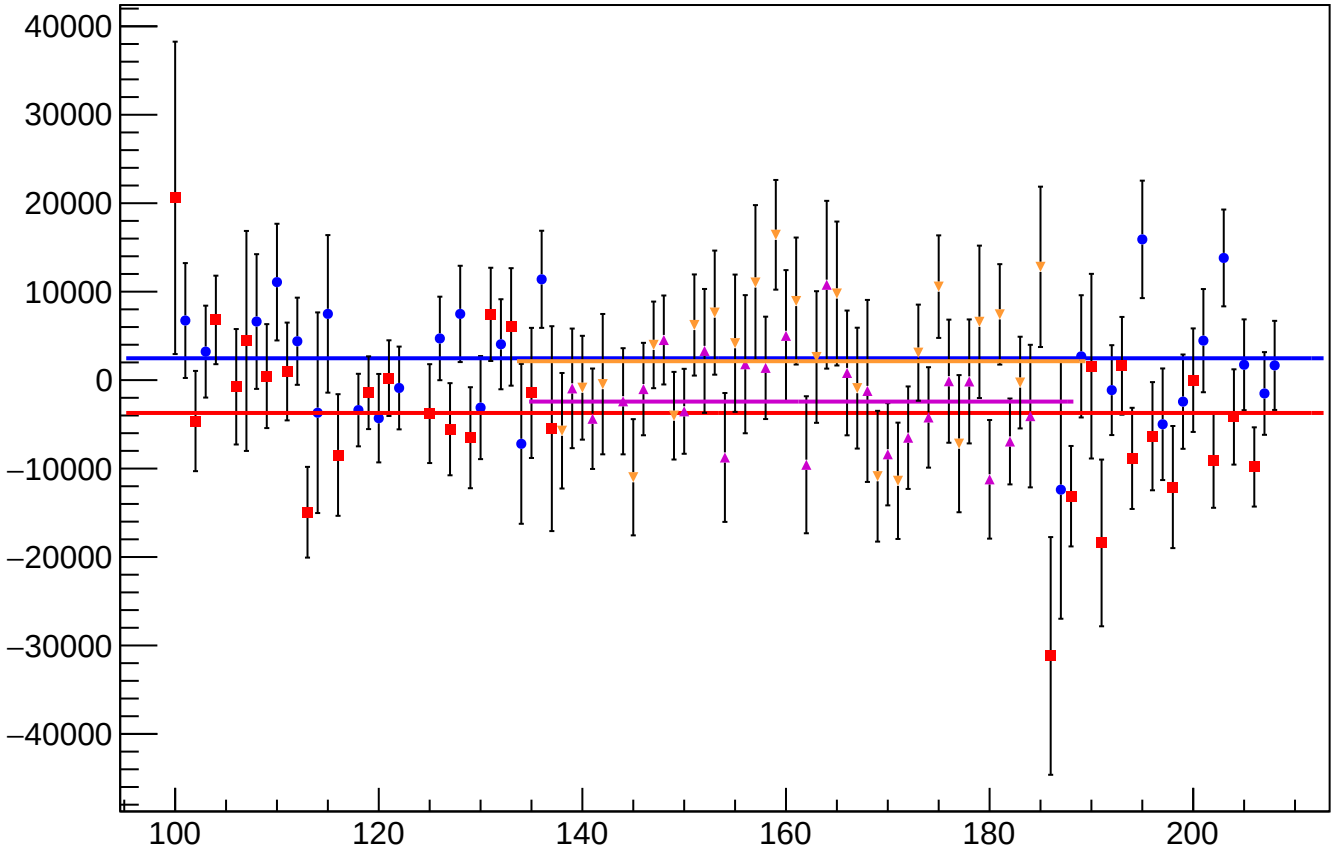
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4582.252+/-0.576 χ^2/NDF: 4925290.0/50

All: 4549.111+/-0.404 χ^2/NDF: 10446310.1/1

- sign 4516.951+/-0.568 χ^2/NDF: 5514502.0/52

asym_usl_atl2_avg_mean vs Slug



Right In: 2470.290+/-1095.613 χ^2/NDF: 26.6/26

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -3713.979+/-1091.832 χ^2/NDF: 38.0/29

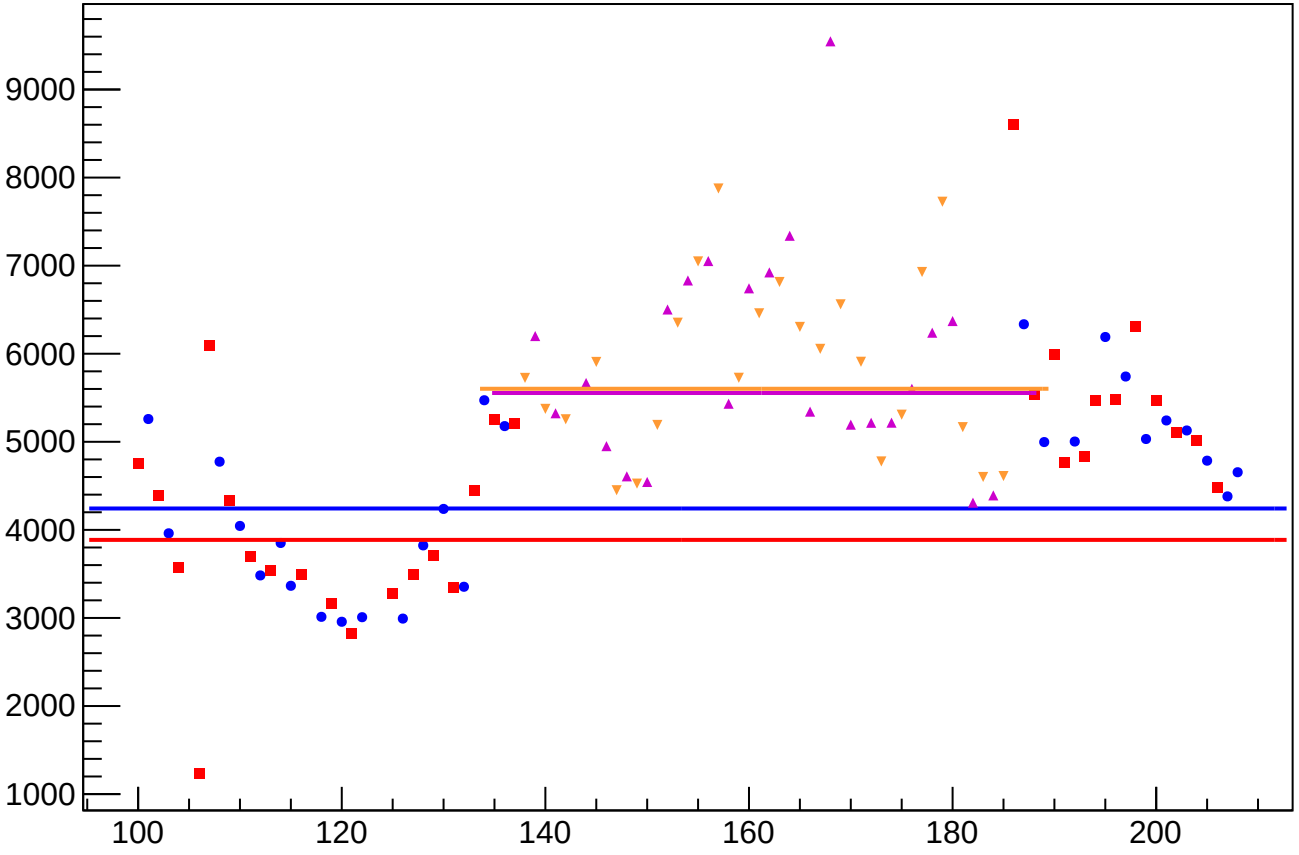
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2335.337+/-844.189 χ^2/NDF: 57.3/50

All: -436.862+/-596.015 χ^2/NDF: 130.2/103

- sign -3192.099+/-841.603 χ^2/NDF: 51.4/52

asym_usl_atl2_avg_rms vs Slug



Right In: 4242.819+/-0.775 χ^2/NDF: 1482266.4/26

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

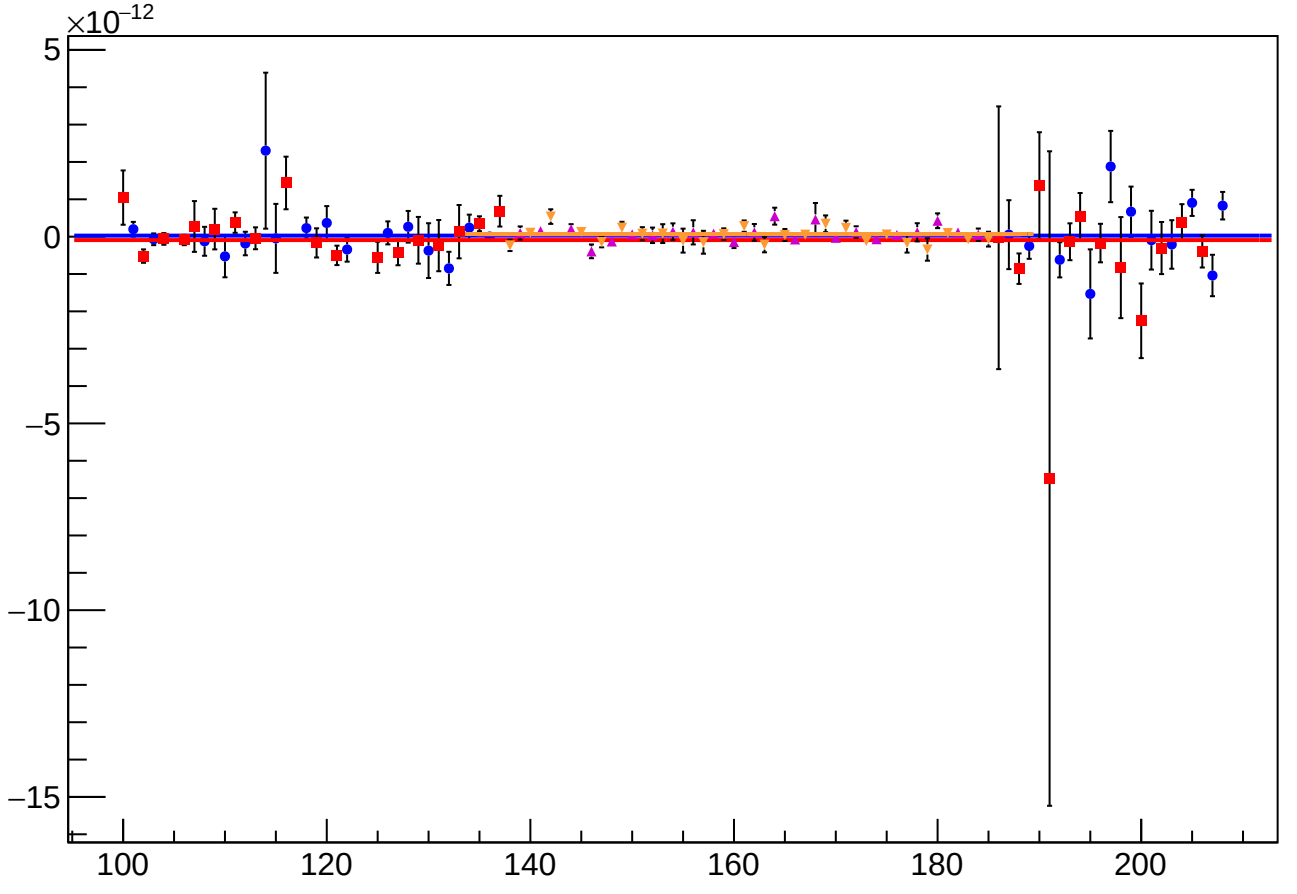
Right Out: 3886.375+/-0.730 χ^2/NDF: 3697951.2/29

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4795.165+/-0.597 χ^2/NDF: 3673812.6/50

All: 4651.518+/-0.414 χ^2/NDF: 10575145.7/1

- sign 4518.232+/-0.575 χ^2/NDF: 6789692.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 35.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

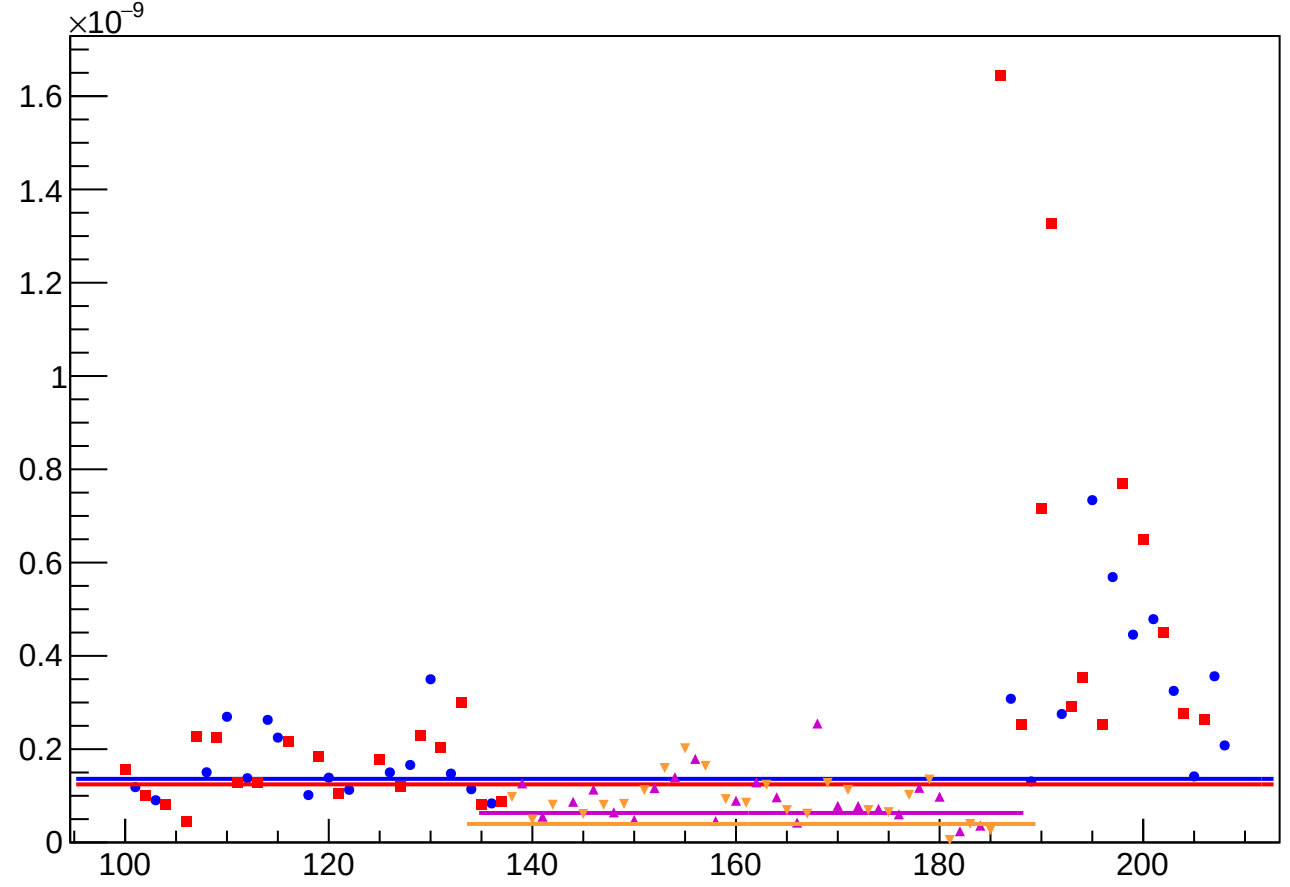
Right Out: -0.000+/-0.000 χ^2/NDF: 42.2/29

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.7/50

All: 0.000+/-0.000 χ^2/NDF: 137.2/103

- sign 0.000+/-0.000 χ^2/NDF: 72.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 3387356.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4809526.6/29

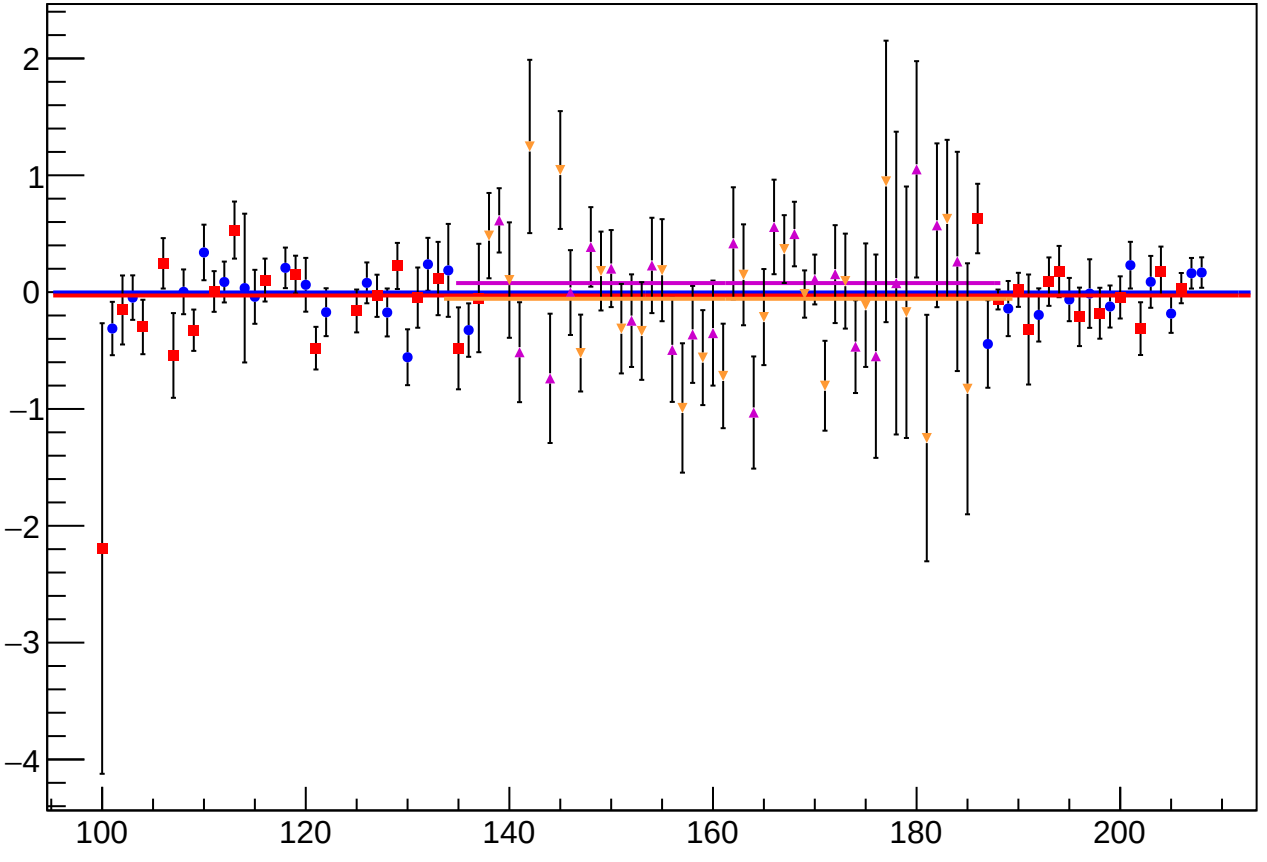
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 14399013.7/50

All: 0.000+/-0.000 χ^2/NDF: 24809204.2/103

- sign 0.000+/-0.000 χ^2/NDF: 9364968.7/52

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.039 χ^2/NDF: 25.1/26

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

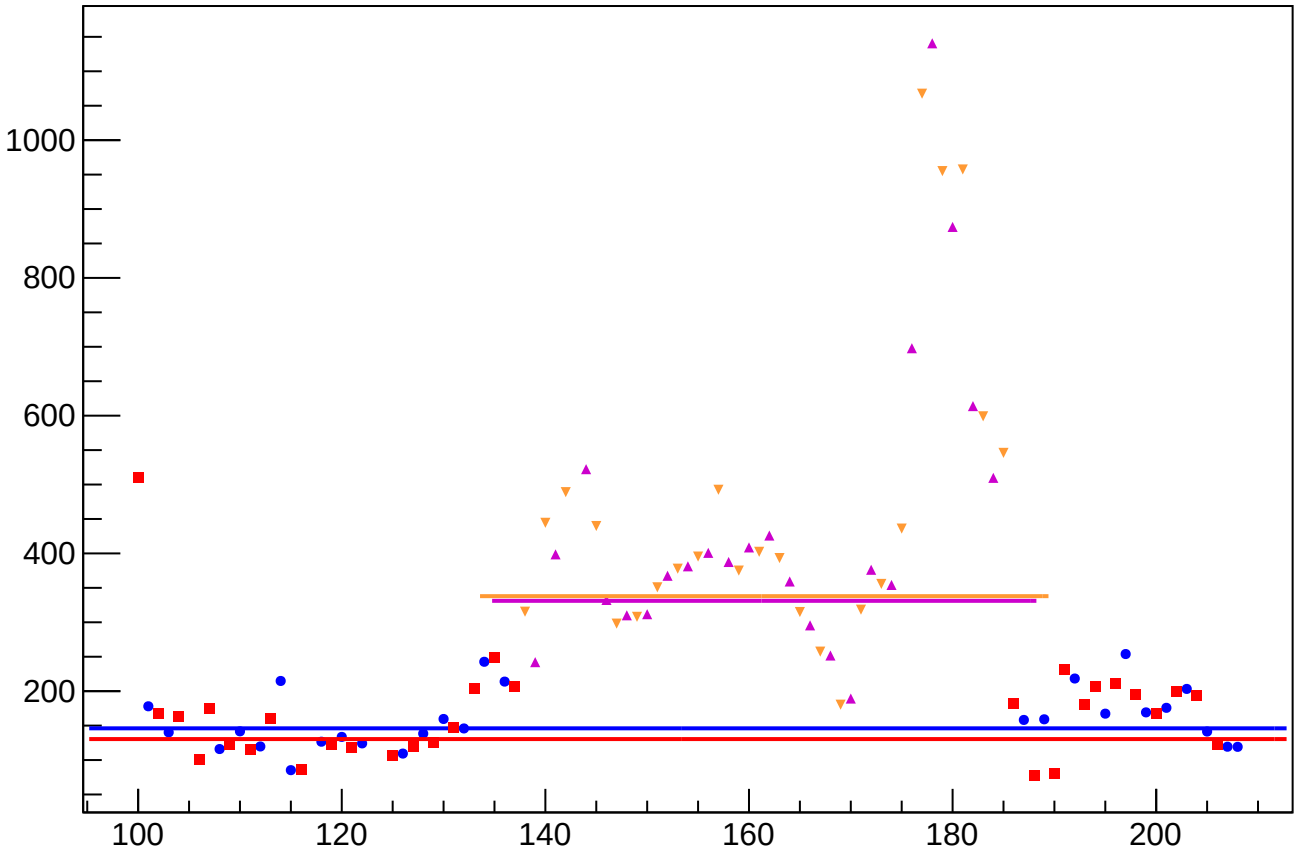
Right Out: -0.029+/-0.036 χ^2/NDF: 37.0/29

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.012+/-0.036 χ^2/NDF: 55.8/50

All: -0.012+/-0.024 χ^2/NDF: 121.2/103

- sign -0.012+/-0.033 χ^2/NDF: 65.4/52



Right In: 146.037+/-0.028 χ^2/NDF: 1629441.5/26

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

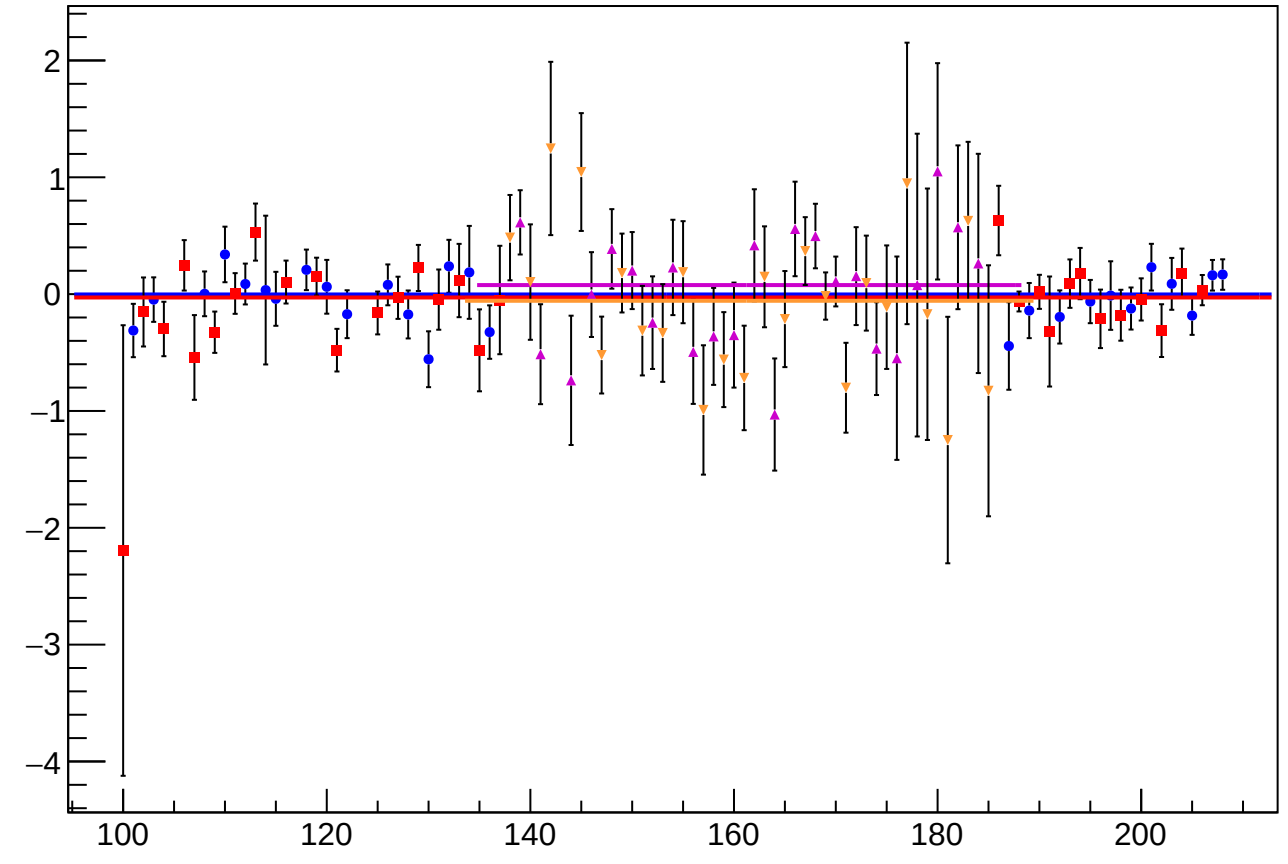
Right Out: 130.449+/-0.025 χ^2/NDF: 3206602.7/29

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 179.191+/-0.025 χ^2/NDF: 14488804.2/50

All: 169.834+/-0.017 χ^2/NDF: 31832398.5/10

- sign 161.781+/-0.023 χ^2/NDF: 17085398.1/52



Right In: -0.003+/-0.039 χ^2/NDF: 25.1/26

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

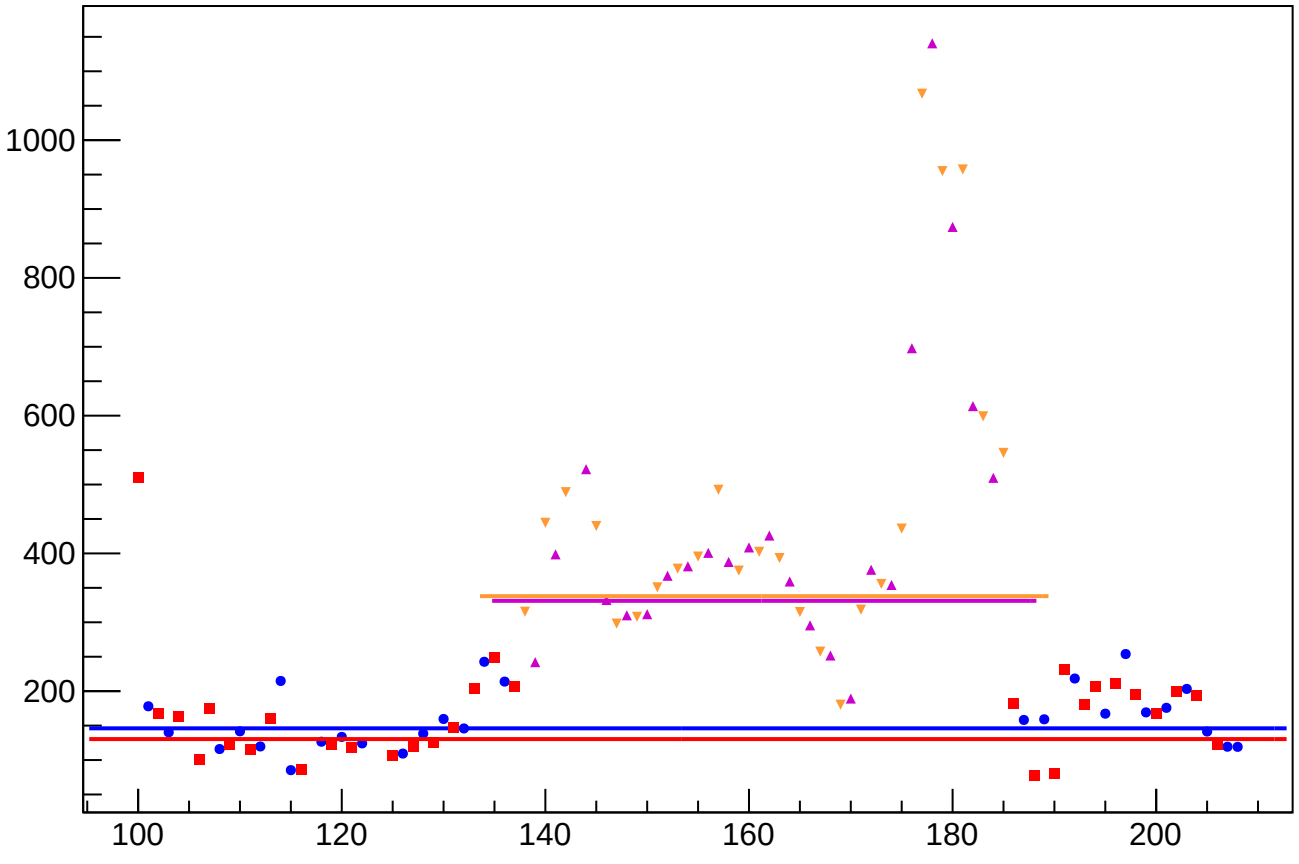
Right Out: -0.029+/-0.036 χ^2/NDF: 37.0/29

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.012+/-0.036 χ^2/NDF: 55.8/50

All: -0.012+/-0.024 χ^2/NDF: 121.2/103

- sign -0.012+/-0.033 χ^2/NDF: 65.4/52



Right In: 146.037+/-0.028 χ^2/NDF: 1629441.5/26

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

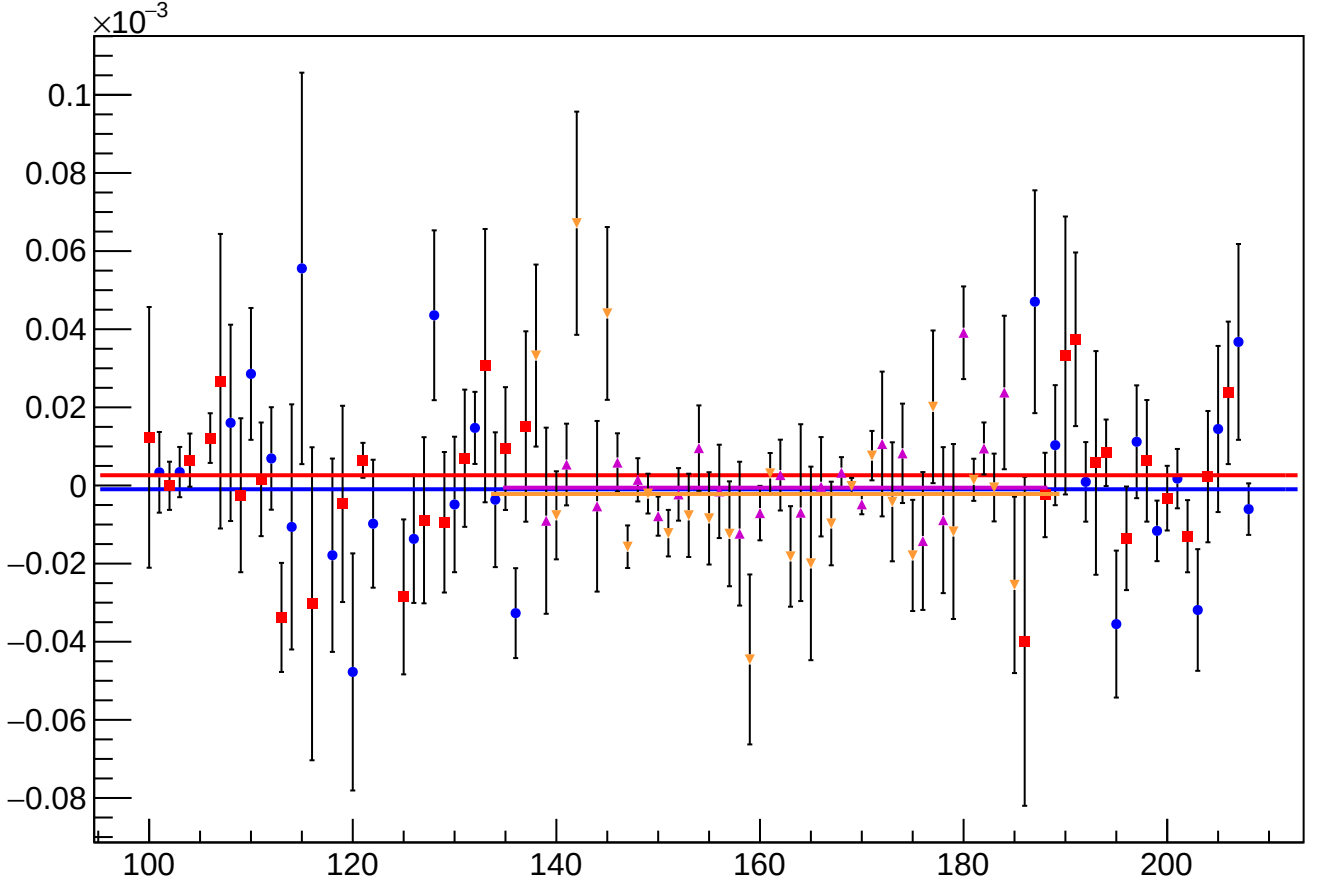
Right Out: 130.449+/-0.025 χ^2/NDF: 3206602.7/29

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 179.191+/-0.025 χ^2/NDF: 14488804.2/50

All: 169.834+/-0.017 χ^2/NDF: 31832398.5/10

- sign 161.781+/-0.023 χ^2/NDF: 17085398.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 41.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

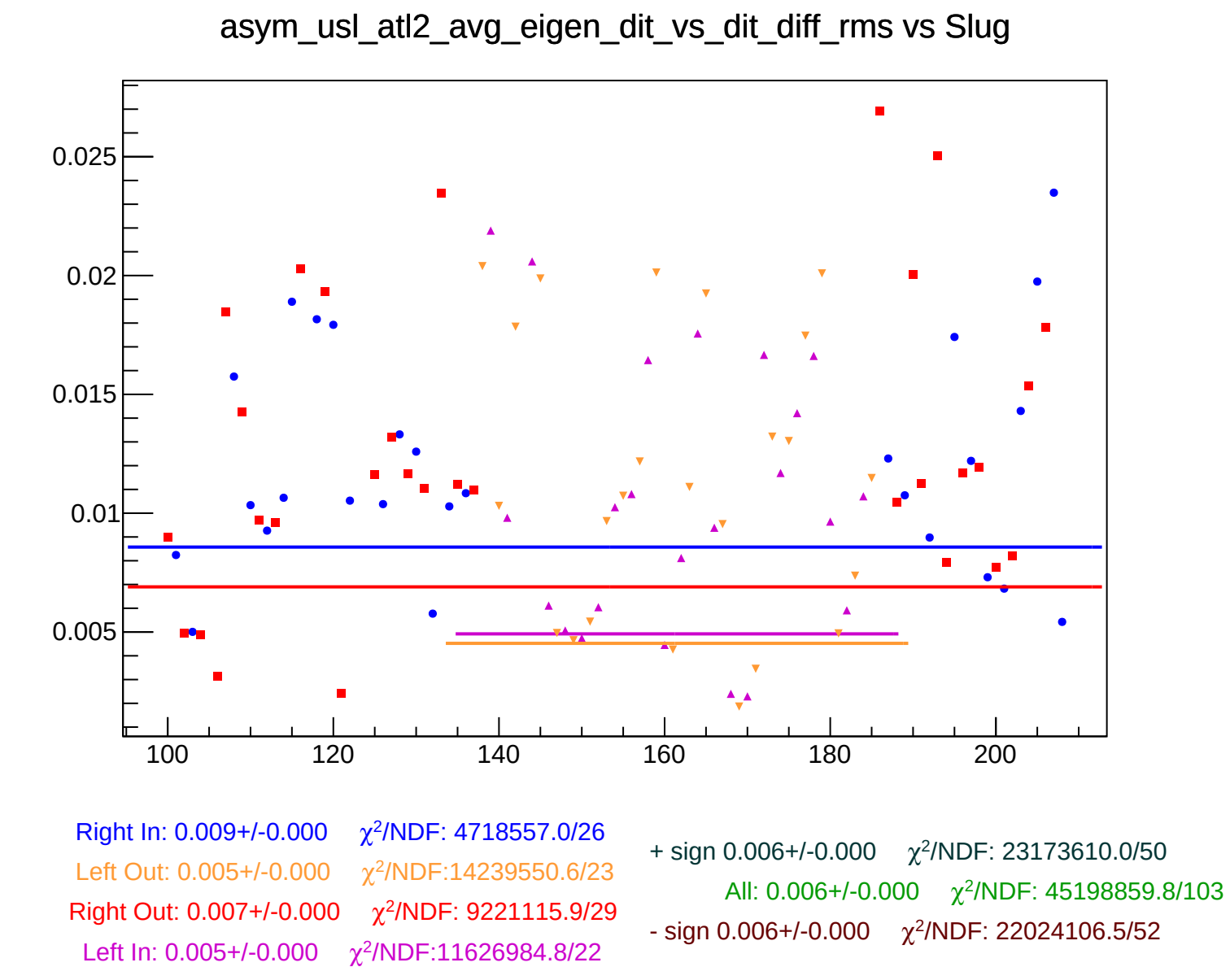
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/29

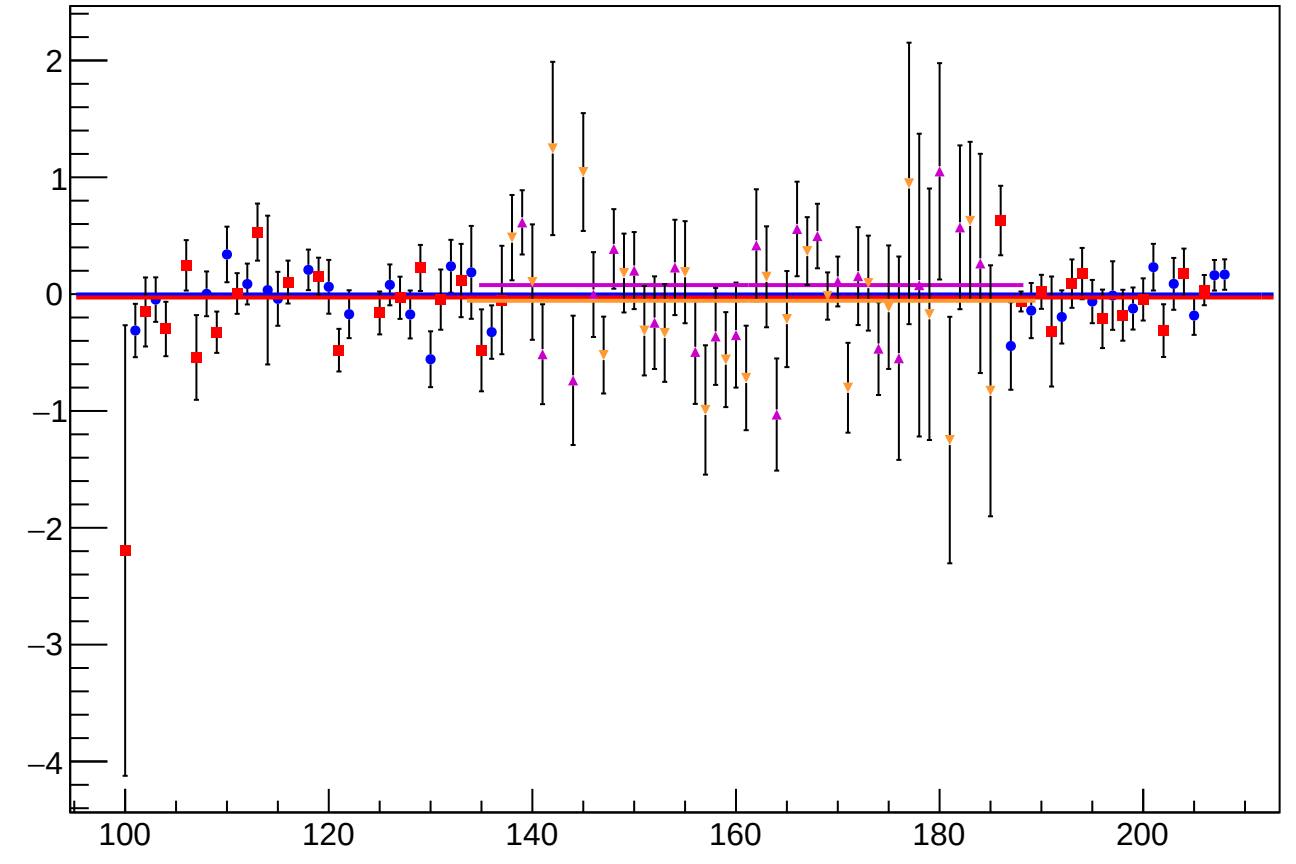
Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.3/50

All: -0.000+/-0.000 χ^2/NDF: 136.1/103

- sign 0.000+/-0.000 χ^2/NDF: 54.9/52


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 4718557.0/26
Left Out: 0.005+/-0.000 χ²/NDF:14239550.6/23
Right Out: 0.007+/-0.000 χ²/NDF: 9221115.9/29
Left In: 0.005+/-0.000 χ²/NDF:11626984.8/22
+ sign 0.006+/-0.000 χ²/NDF: 23173610.0/50
All: 0.006+/-0.000 χ²/NDF: 45198859.8/103
- sign 0.006+/-0.000 χ²/NDF: 22024106.5/52



Right In: -0.003+/-0.039 χ^2/NDF: 25.1/26

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: -0.029+/-0.036 χ^2/NDF: 37.0/29

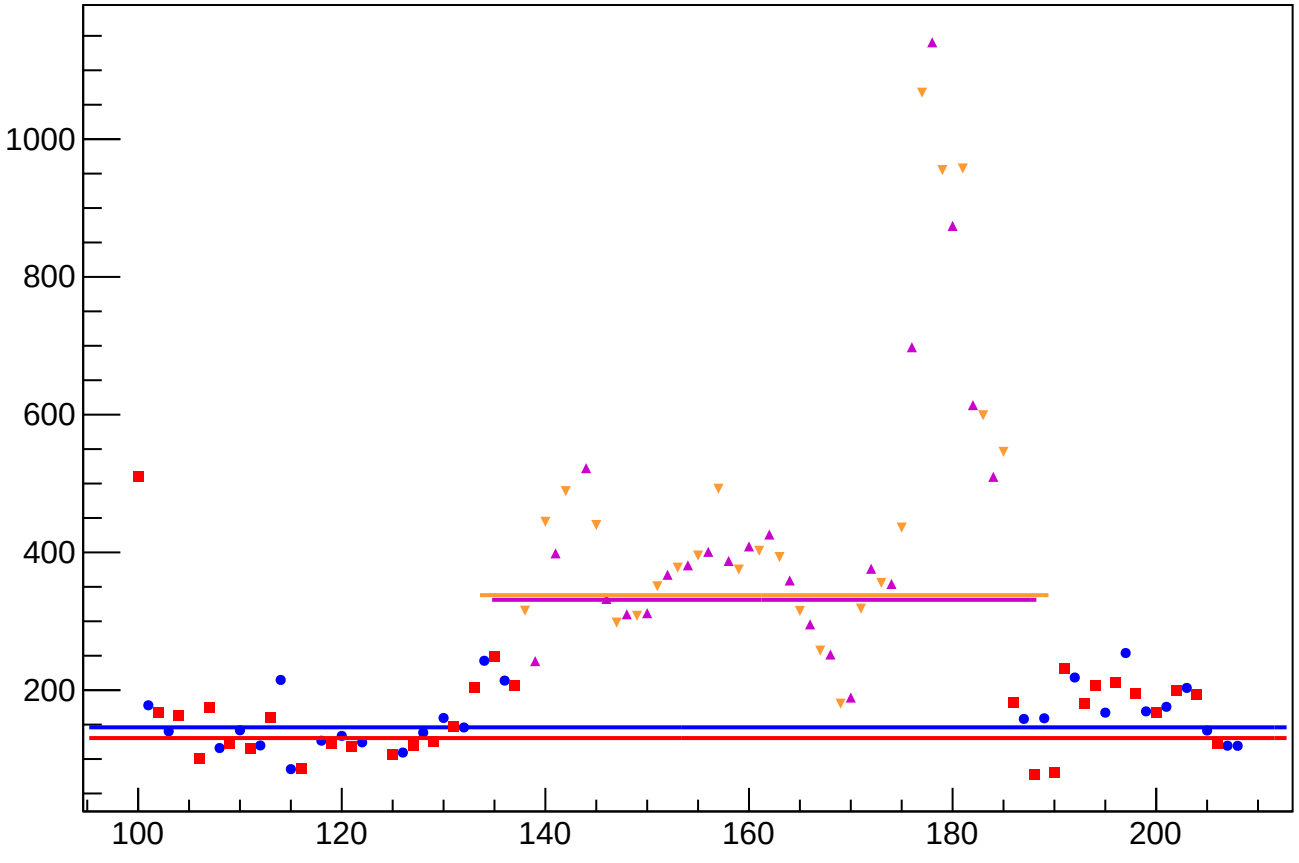
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.012+/-0.036 χ^2/NDF: 55.8/50

All: -0.012+/-0.024 χ^2/NDF: 121.2/103

- sign -0.012+/-0.033 χ^2/NDF: 65.4/52

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 146.037+/-0.028 χ^2/NDF: 1629419.8/26

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

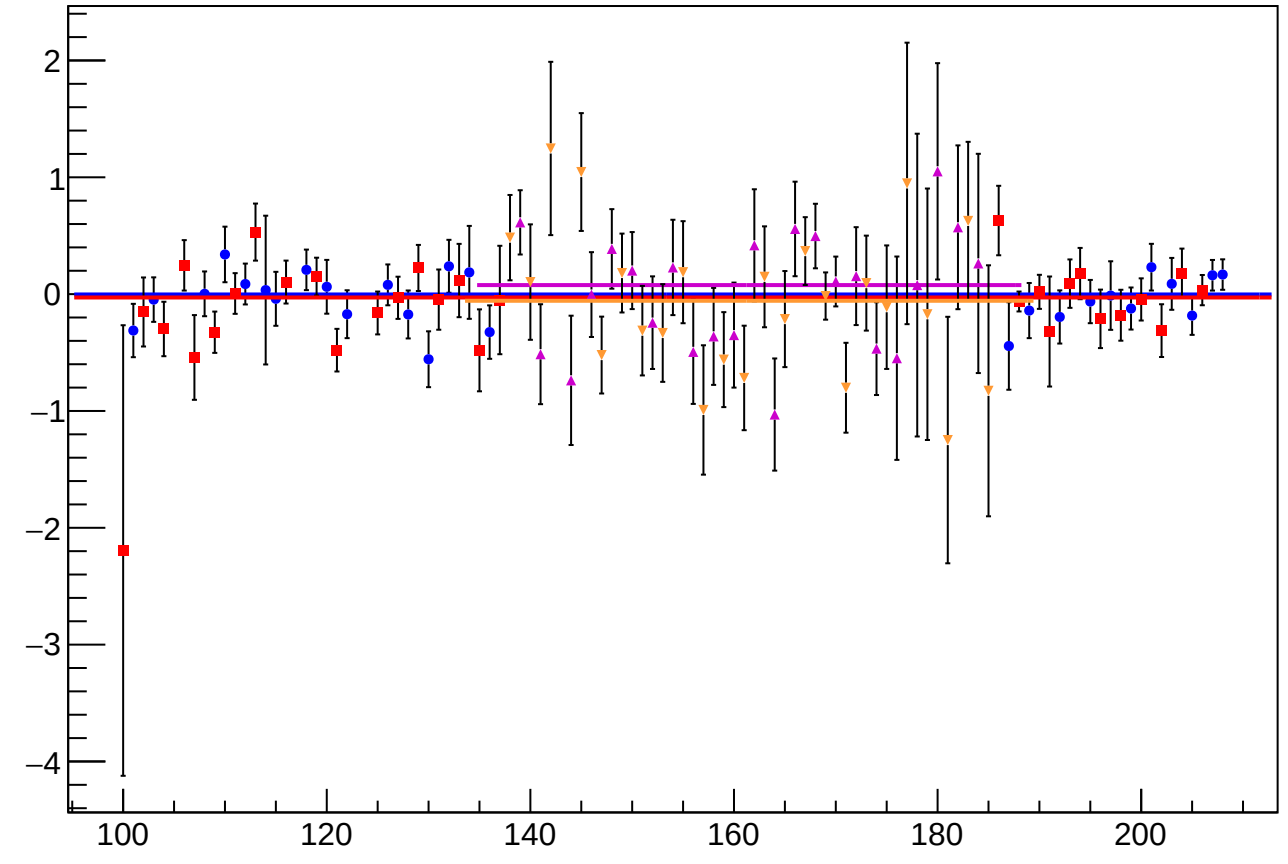
Right Out: 130.448+/-0.025 χ^2/NDF: 3206779.3/29

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 179.191+/-0.025 χ^2/NDF: 14488885.1/50

All: 169.834+/-0.017 χ^2/NDF: 31832990.8/10

- sign 161.779+/-0.023 χ^2/NDF: 17085854.2/52



Right In: -0.003+/-0.039 χ^2/NDF: 25.1/26

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

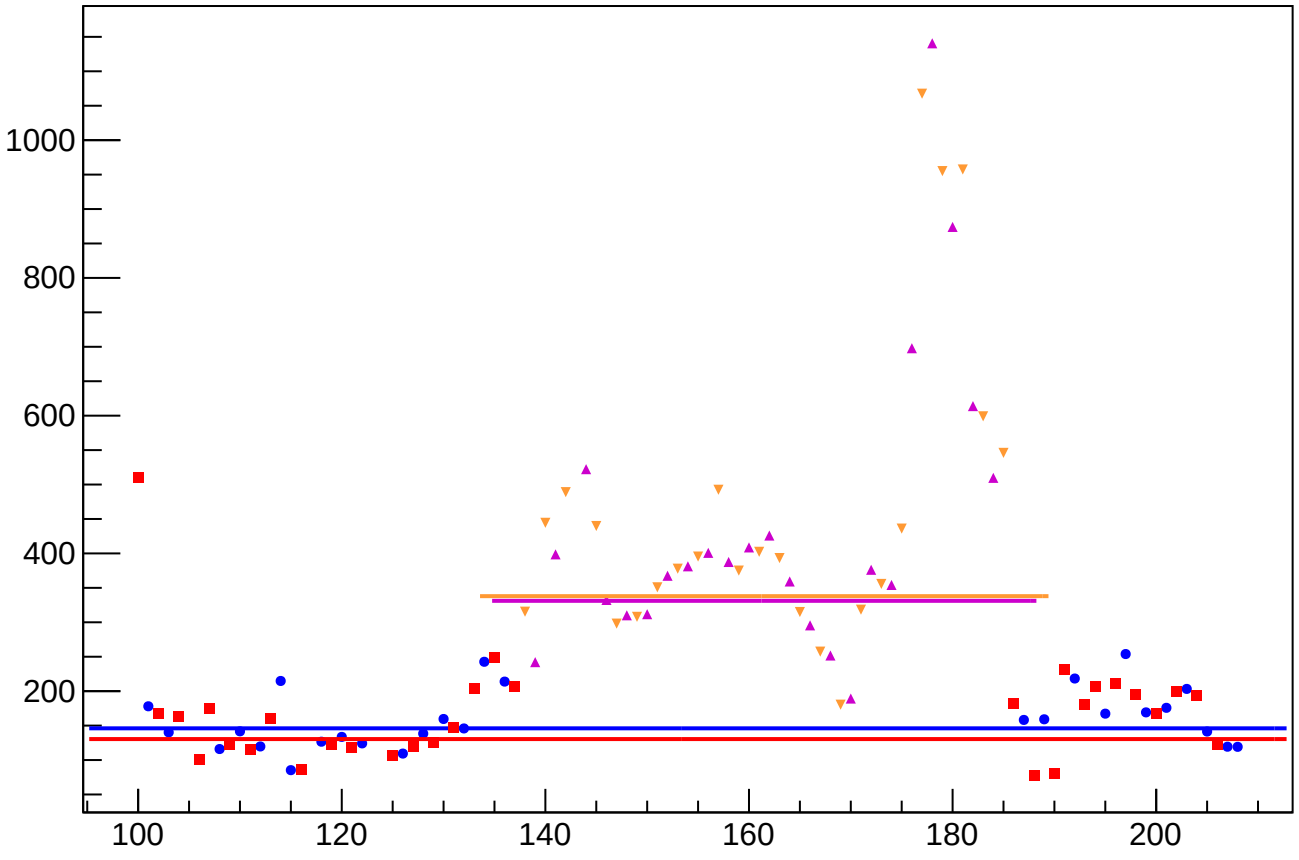
Right Out: -0.029+/-0.036 χ^2/NDF: 37.0/29

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.012+/-0.036 χ^2/NDF: 55.8/50

All: -0.012+/-0.024 χ^2/NDF: 121.2/103

- sign -0.012+/-0.033 χ^2/NDF: 65.4/52



Right In: 146.037+/-0.028 χ^2/NDF: 1629419.8/26

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

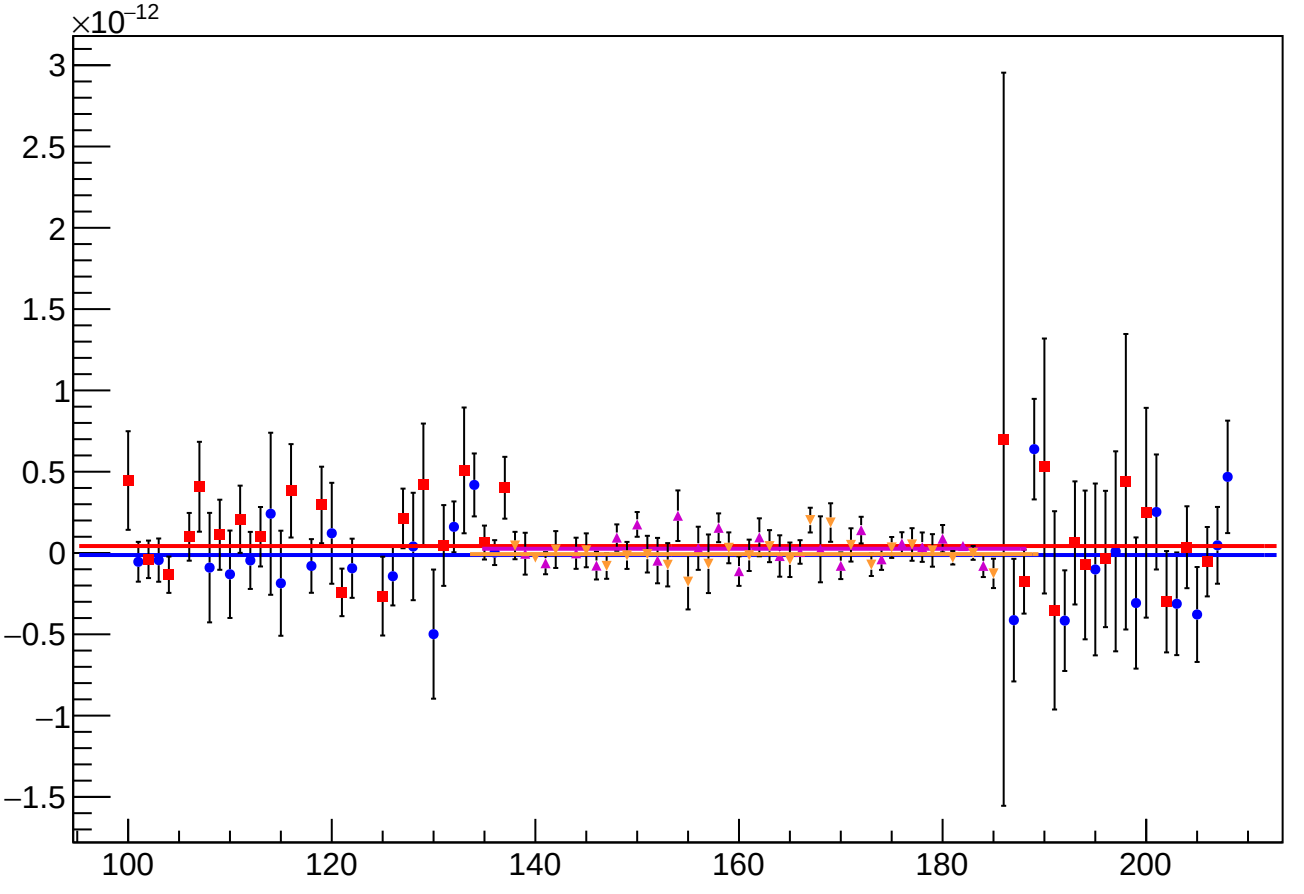
Right Out: 130.448+/-0.025 χ^2/NDF: 3206779.3/29

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 179.191+/-0.025 χ^2/NDF: 14488885.1/50

All: 169.834+/-0.017 χ^2/NDF: 31832990.8/10

- sign 161.779+/-0.023 χ^2/NDF: 17085854.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

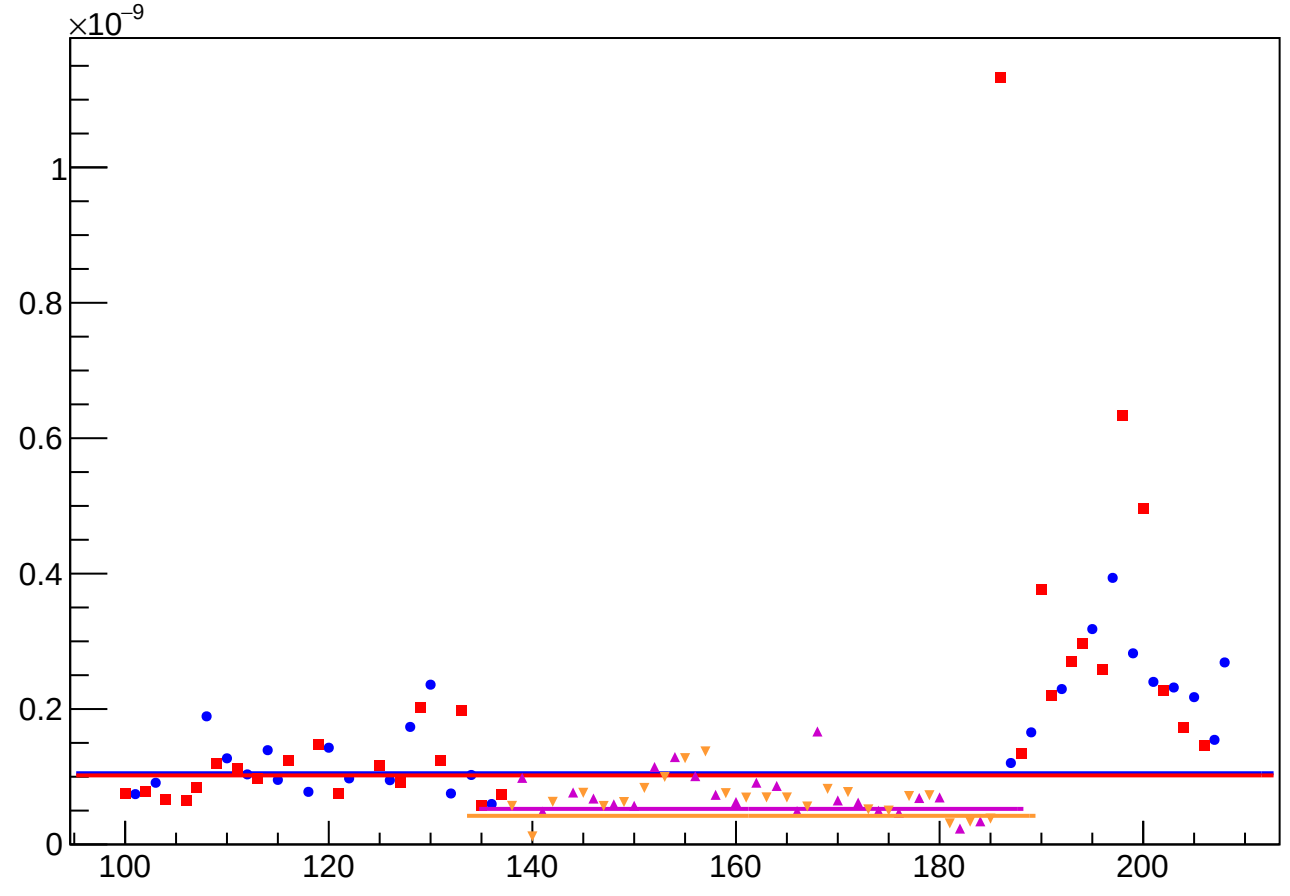
Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/29

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.8/50

All: 0.000+/-0.000 χ^2/NDF: 93.4/103

- sign 0.000+/-0.000 χ^2/NDF: 49.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 4473539.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5133090.7/29

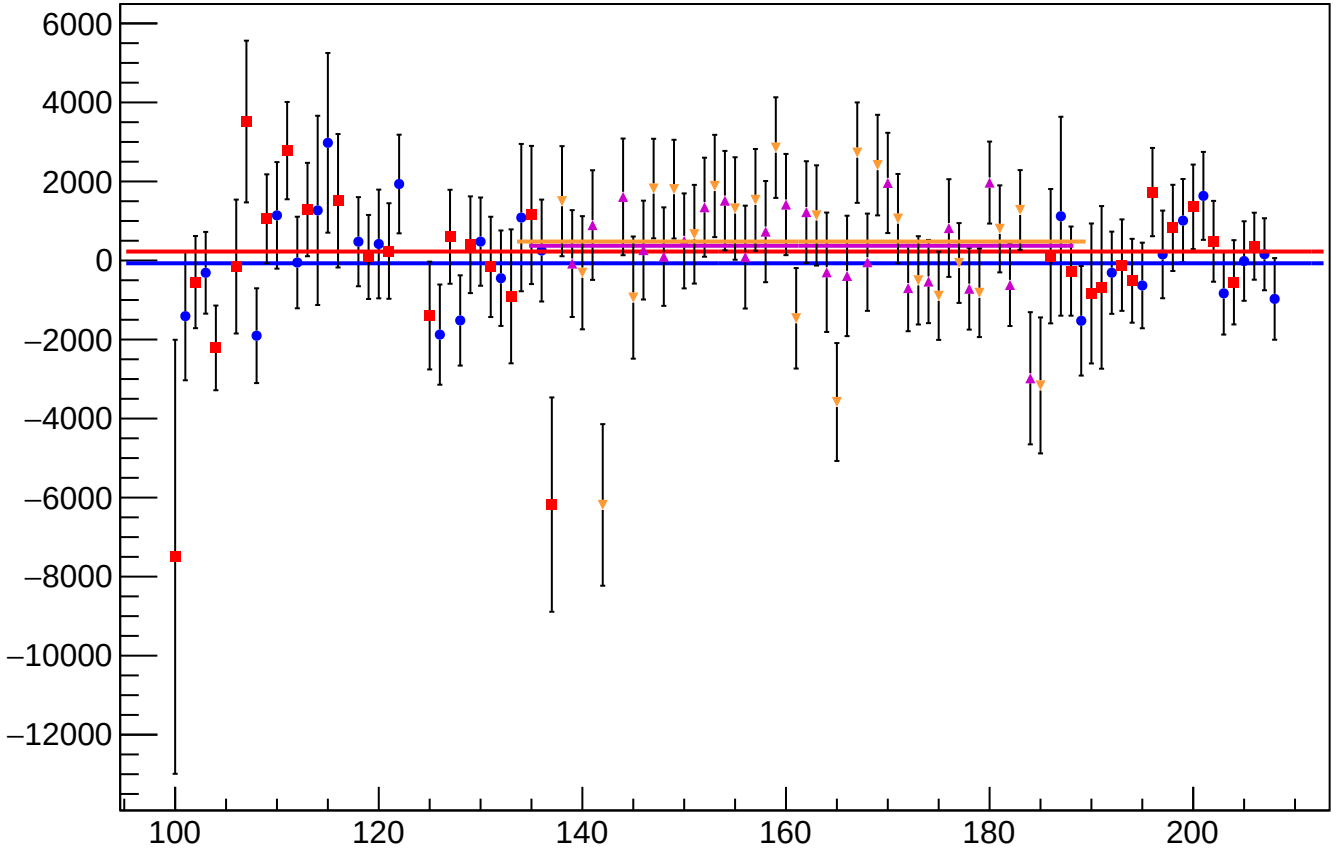
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 15689691.6/50

All: 0.000+/-0.000 χ^2/NDF: 29042908.2/103

- sign 0.000+/-0.000 χ^2/NDF: 12836183.0/52

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -70.482+/-232.995 χ^2/NDF: 19.8/26

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 226.652+/-231.139 χ^2/NDF: 29.6/29

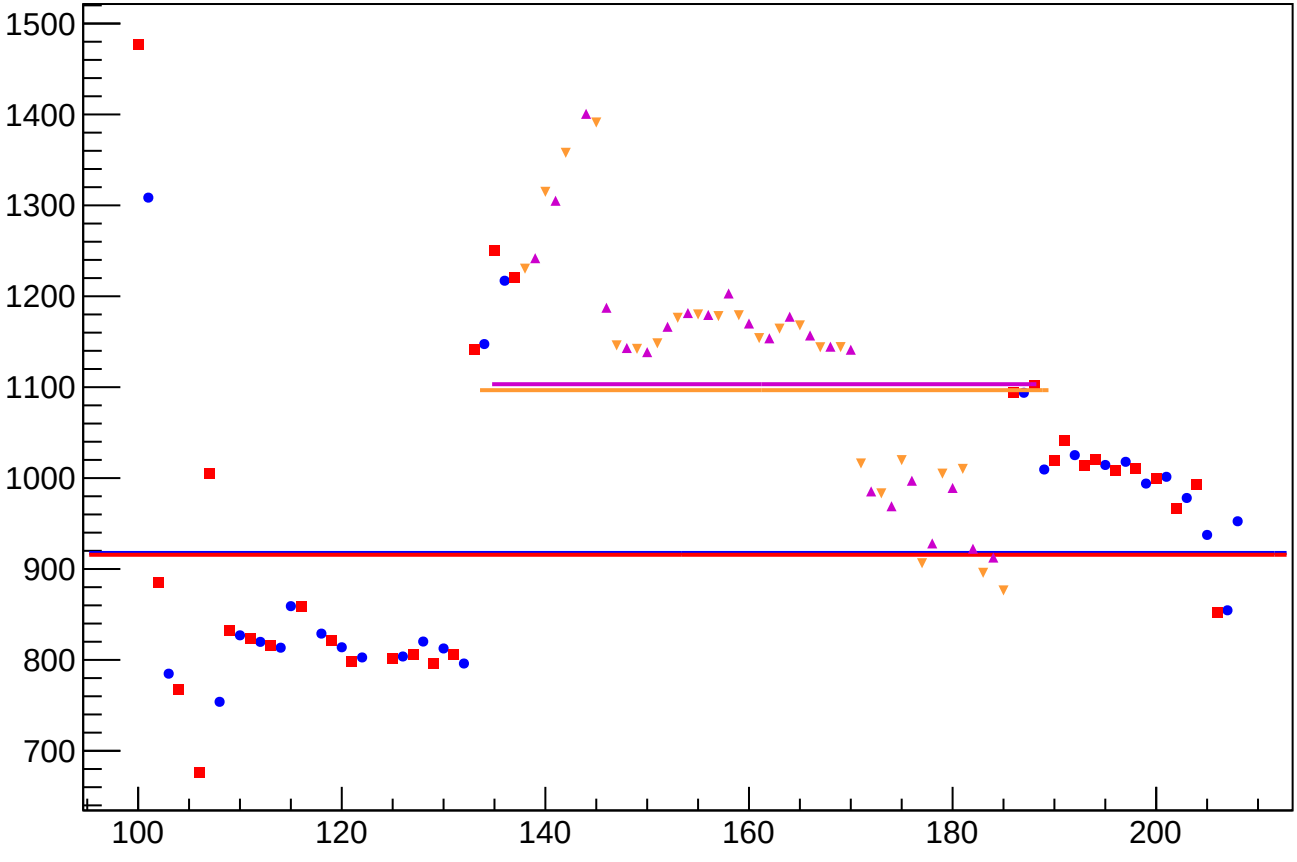
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 178.366+/-172.413 χ^2/NDF: 67.5/50

All: 234.847+/-121.961 χ^2/NDF: 113.5/103

- sign 291.414+/-172.544 χ^2/NDF: 45.8/52

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 917.657+/-0.165 χ^2/NDF: 575756.1/26

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 915.654+/-0.162 χ^2/NDF: 597819.9/29

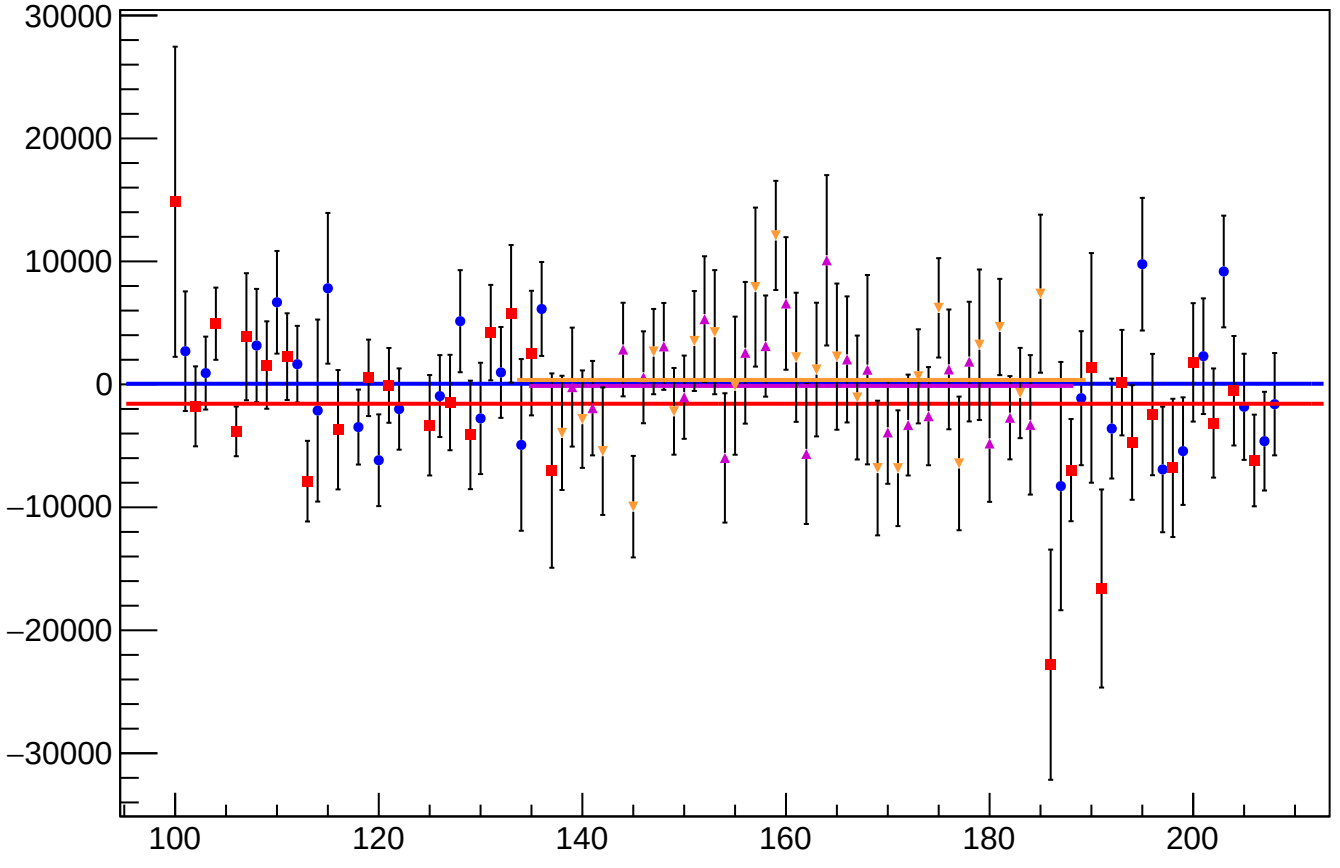
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 998.665+/-0.122 χ^2/NDF: 1590633.0/50

All: 998.395+/-0.086 χ^2/NDF: 3222810.7/103

- sign 998.127+/-0.122 χ^2/NDF: 1632167.9/52

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 49.117+/-807.176 χ^2/NDF: 29.1/26

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -1577.546+/-740.804 χ^2/NDF: 35.2/29

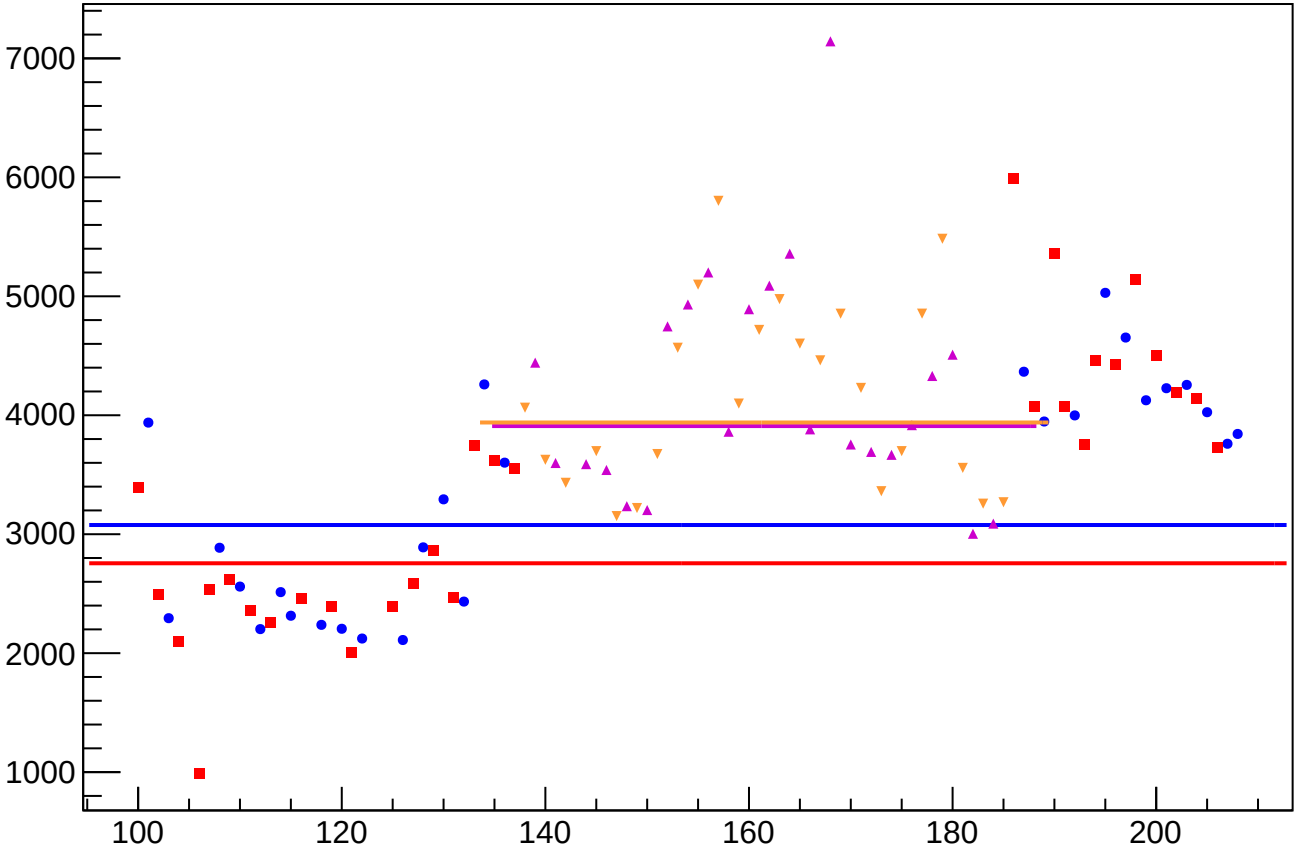
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 181.028+/-610.776 χ^2/NDF: 59.4/50

All: -448.473+/-420.611 χ^2/NDF: 111.9/103

- sign -1016.287+/-580.079 χ^2/NDF: 50.4/52

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 3077.355+/-0.571 χ^2/NDF: 2426750.1/26

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2755.701+/-0.524 χ^2/NDF: 4469058.7/29

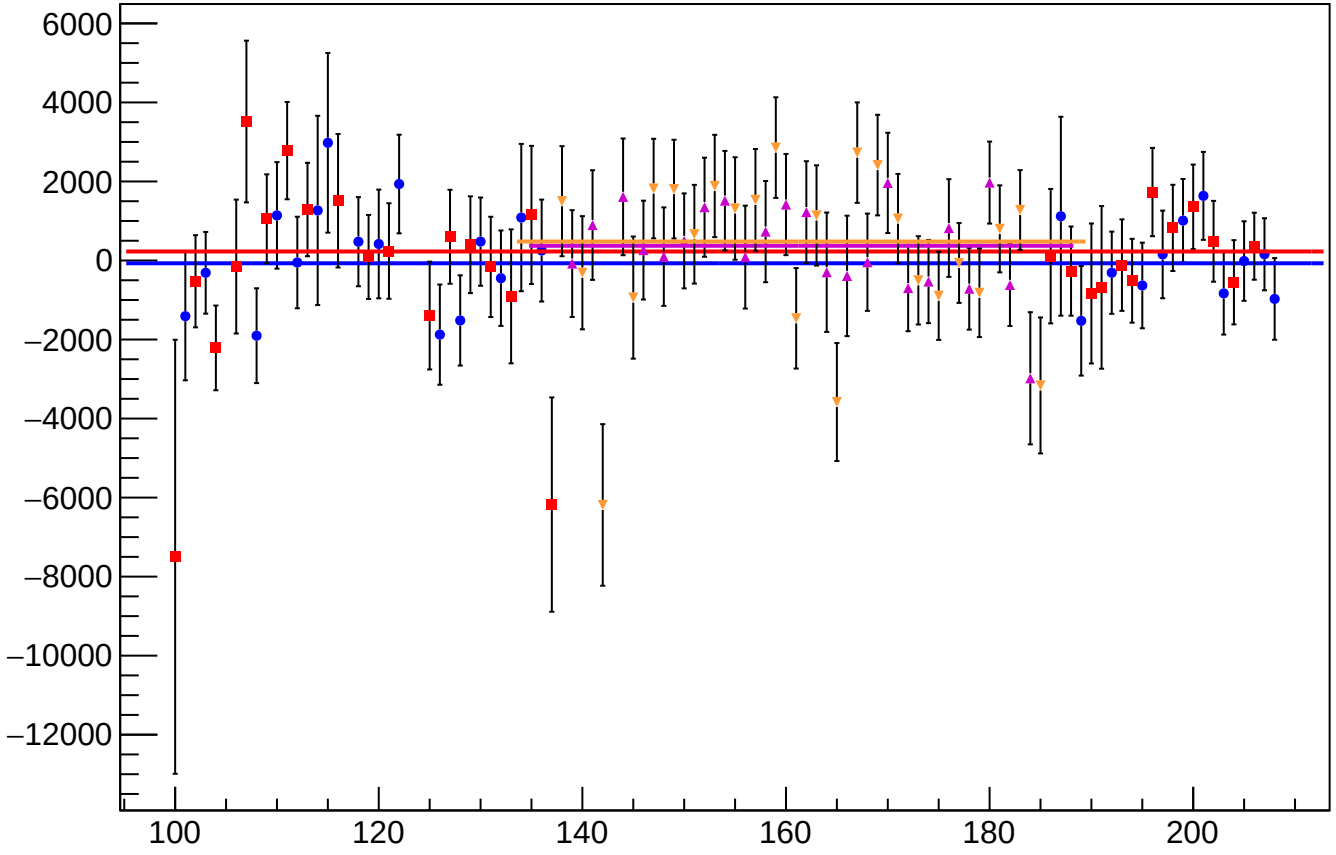
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3445.760+/-0.432 χ^2/NDF: 4494137.0/50

All: 3317.551+/-0.297 χ^2/NDF: 12307223.5/1

- sign 3201.905+/-0.410 χ^2/NDF: 7645469.6/52

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -70.489+/-232.995 χ^2/NDF: 19.8/26

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 227.507+/-231.141 χ^2/NDF: 29.6/29

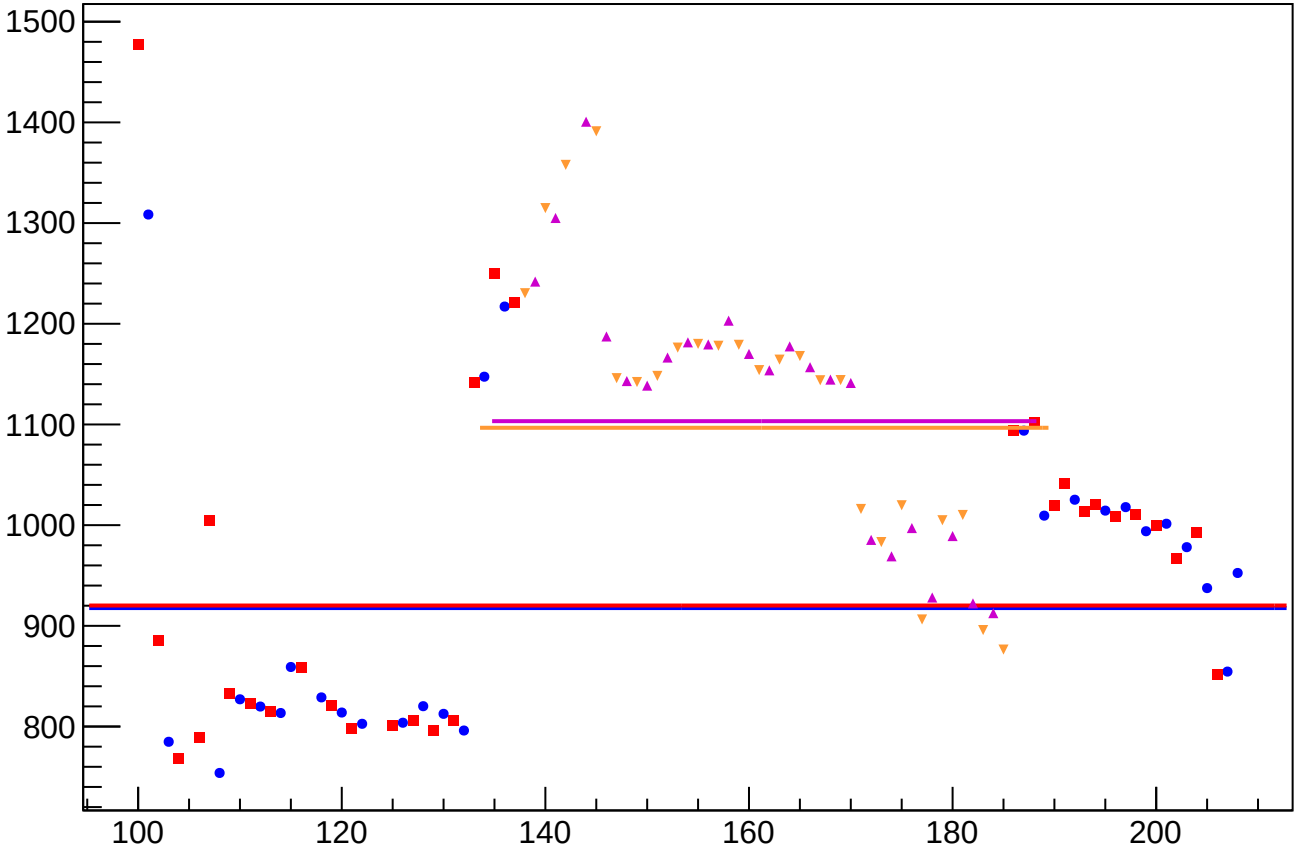
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 178.375+/-172.413 χ^2/NDF: 67.5/50

All: 235.084+/-121.961 χ^2/NDF: 113.5/103

- sign 291.880+/-172.545 χ^2/NDF: 45.8/52

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 917.657+/-0.165 χ^2/NDF: 575756.0/26

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 920.184+/-0.163 χ^2/NDF: 543302.5/29

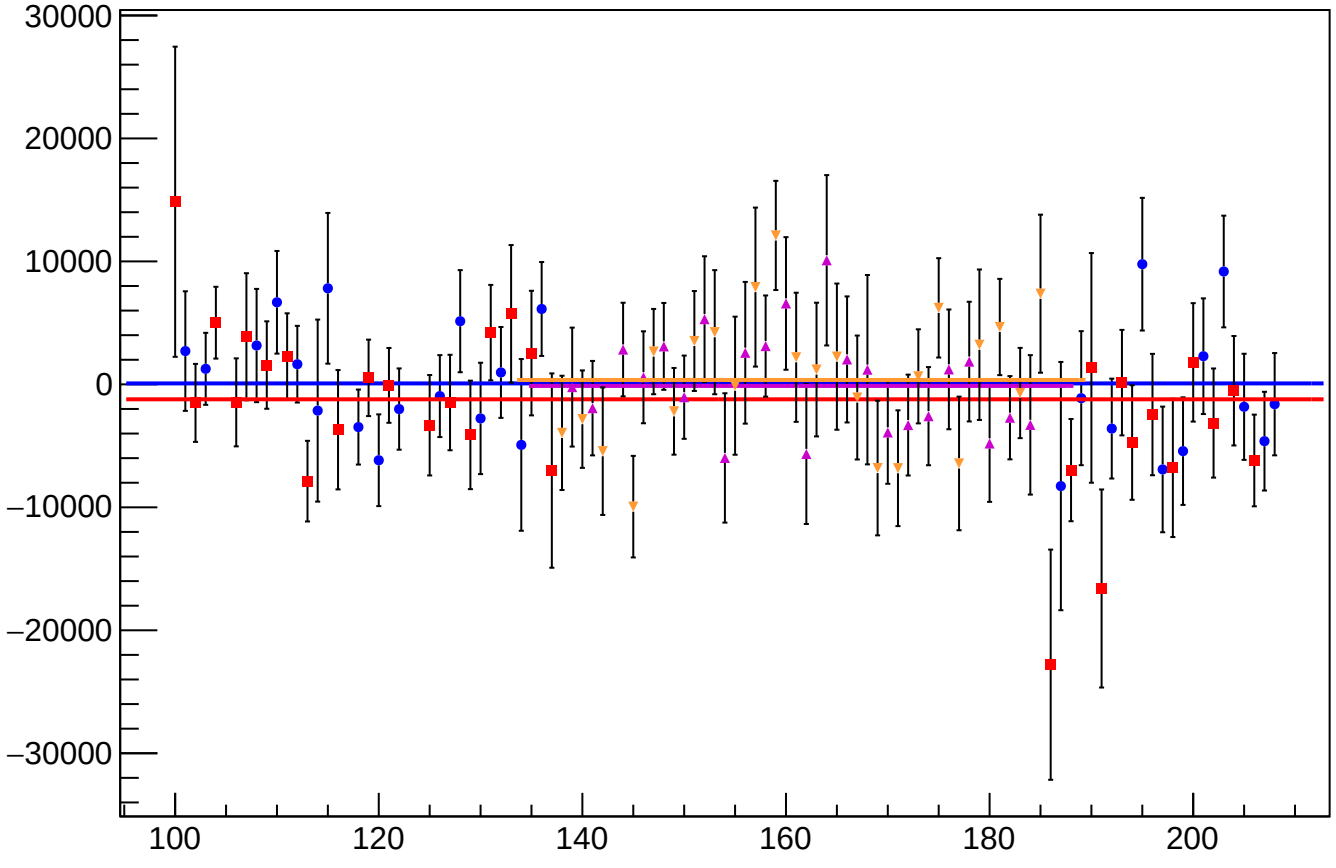
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 998.665+/-0.122 χ^2/NDF: 1590633.1/50

All: 999.837+/-0.086 χ^2/NDF: 3138618.1/103

- sign 1001.007+/-0.122 χ^2/NDF: 1547800.3/52

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 77.502+/-806.377 χ^2/NDF: 29.2/26

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -1214.580+/-775.762 χ^2/NDF: 33.9/29

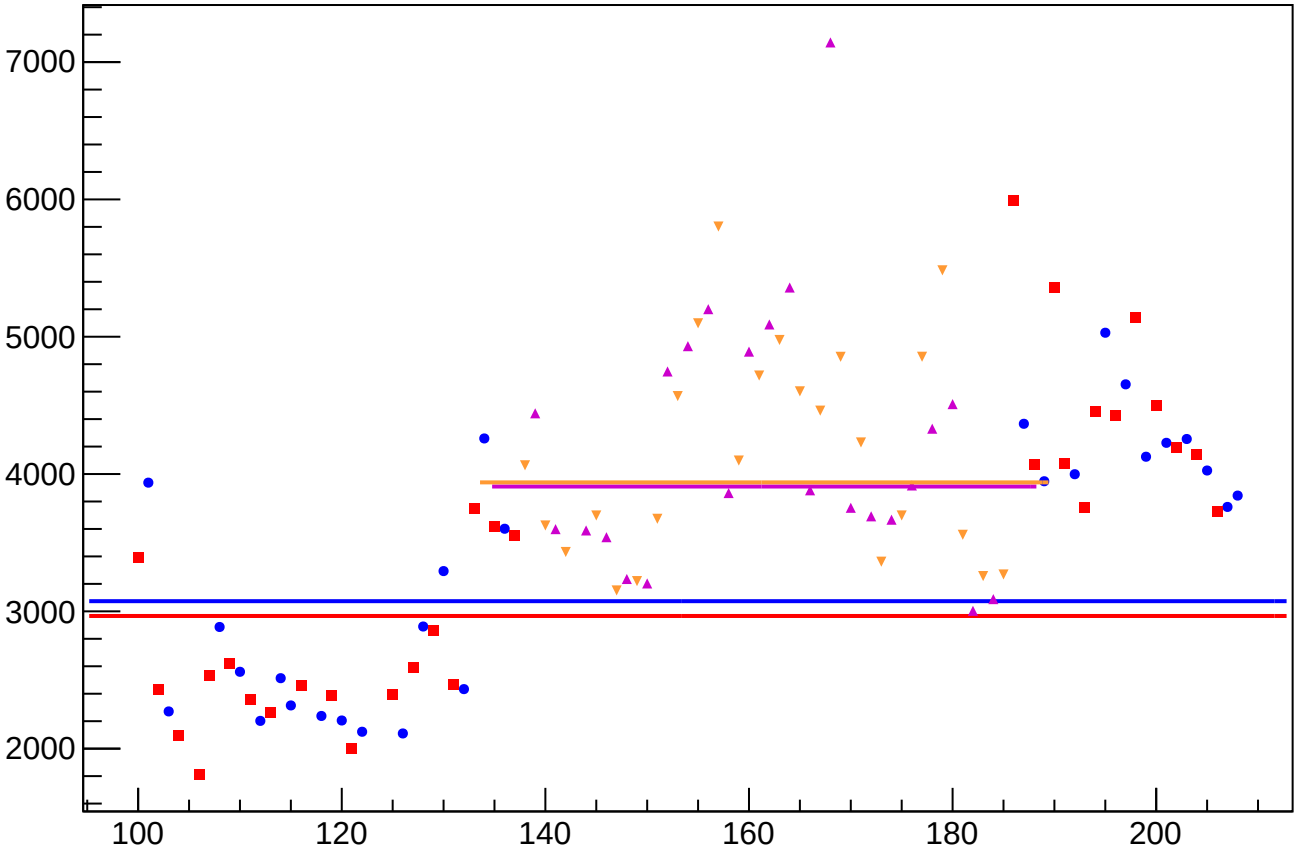
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 197.143+/-610.430 χ^2/NDF: 59.5/50

All: -297.497+/-426.596 χ^2/NDF: 109.2/103

- sign -769.678+/-596.410 χ^2/NDF: 48.5/52

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 3074.047+/-0.570 χ^2/NDF: 2438891.0/26

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2966.242+/-0.549 χ^2/NDF: 2942165.2/29

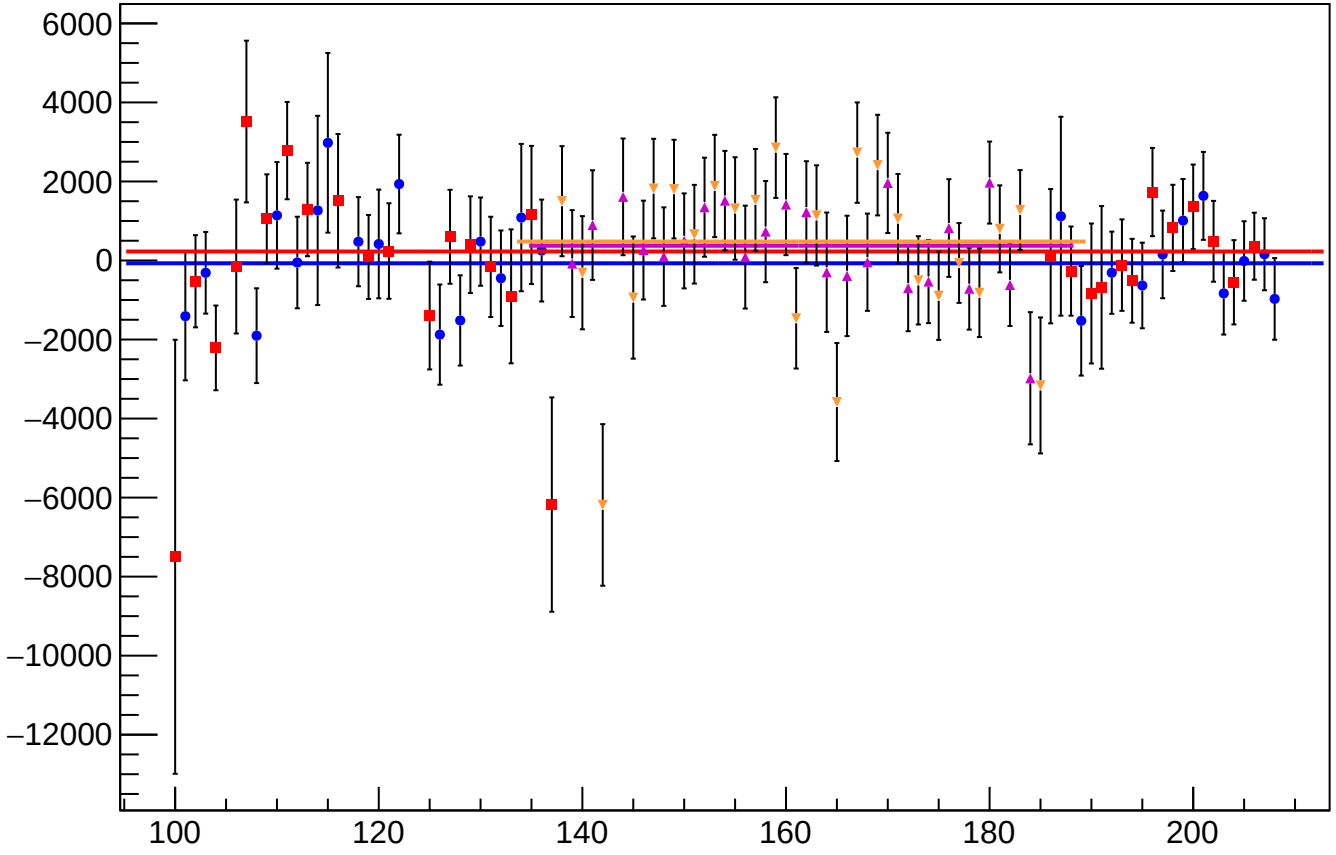
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3443.448+/-0.432 χ^2/NDF: 4514604.7/50

All: 3396.572+/-0.302 χ^2/NDF: 9988833.8/10

- sign 3351.824+/-0.422 χ^2/NDF: 5451176.3/52

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -70.489+/-232.995 χ^2/NDF: 19.8/26

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 227.507+/-231.141 χ^2/NDF: 29.6/29

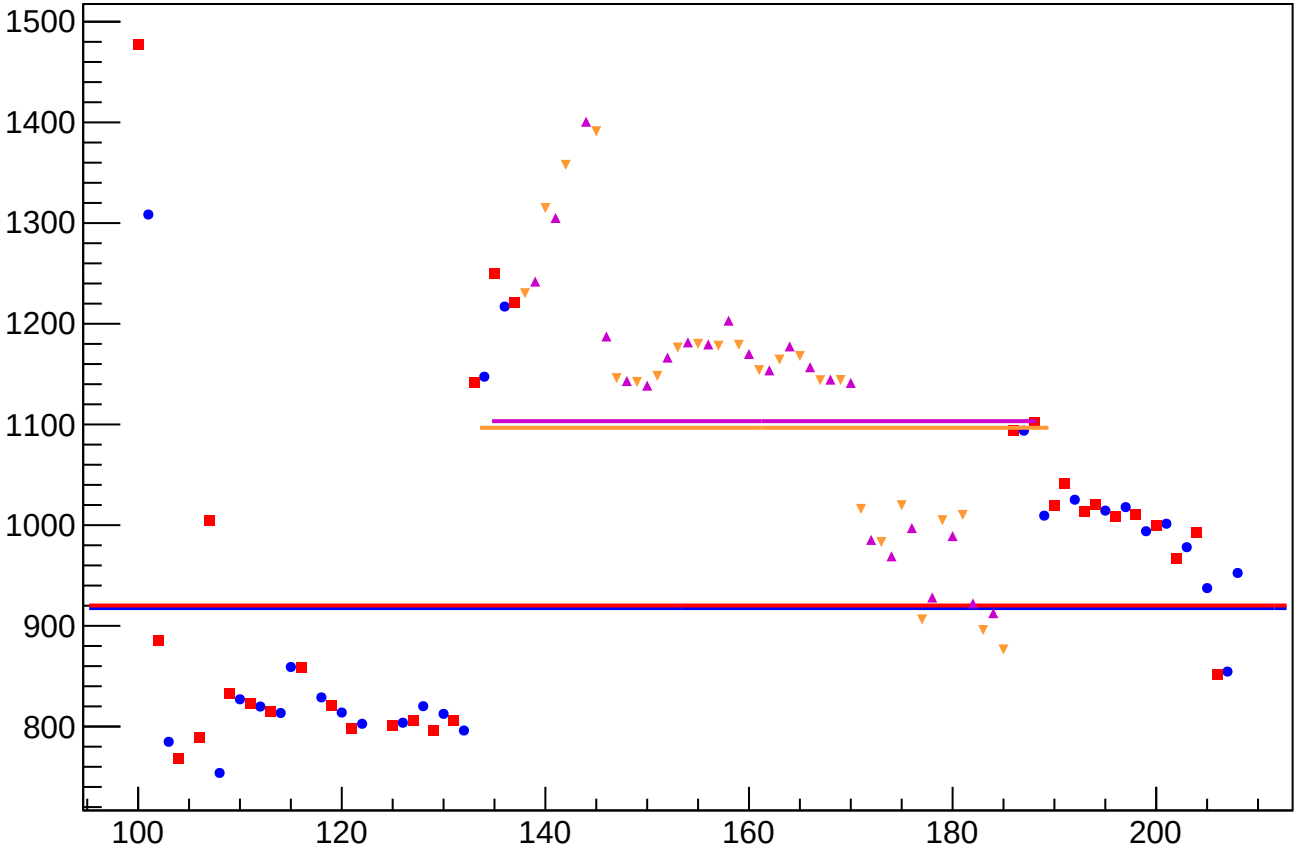
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 178.375+/-172.413 χ^2/NDF: 67.5/50

All: 235.084+/-121.961 χ^2/NDF: 113.5/103

- sign 291.880+/-172.545 χ^2/NDF: 45.8/52

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 917.657+/-0.165 χ^2/NDF: 575756.0/26

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

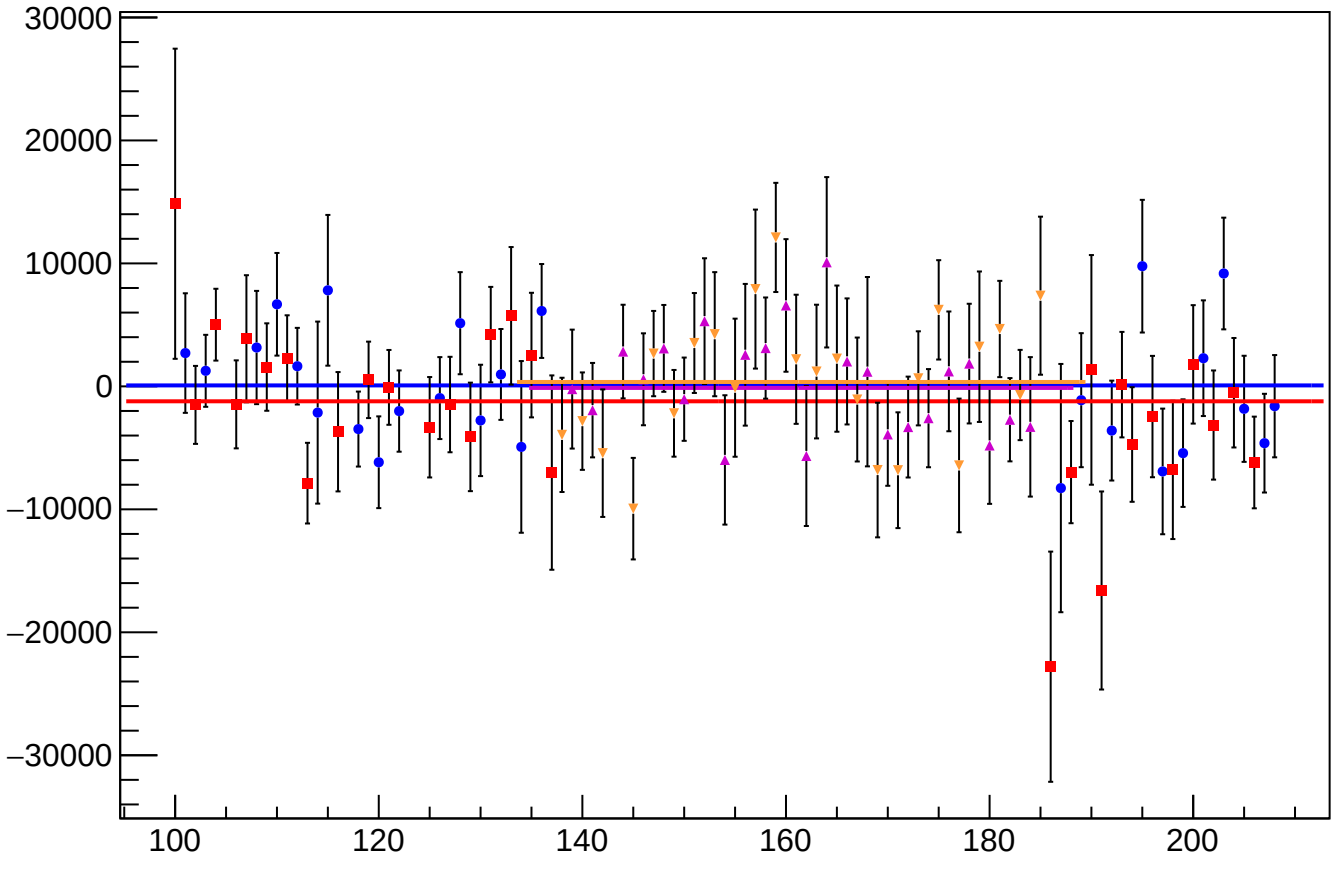
Right Out: 920.184+/-0.163 χ^2/NDF: 543302.5/29

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 998.665+/-0.122 χ^2/NDF: 1590633.1/50

All: 999.837+/-0.086 χ^2/NDF: 3138618.1/103

- sign 1001.007+/-0.122 χ^2/NDF: 1547800.3/52



Right In: 77.502+/-806.377 χ^2/NDF: 29.2/26

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -1214.580+/-775.762 χ^2/NDF: 33.9/29

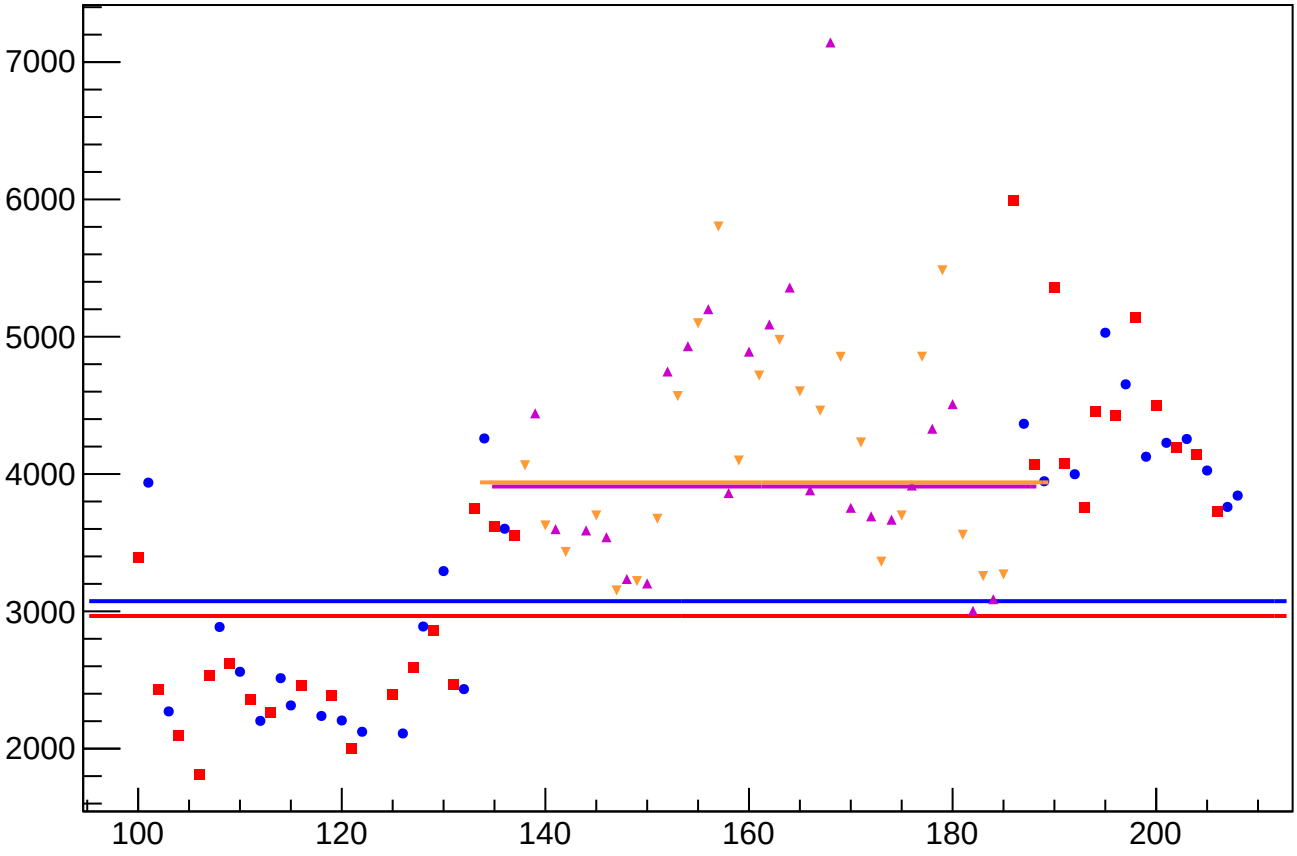
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 197.143+/-610.430 χ^2/NDF: 59.5/50

All: -297.497+/-426.596 χ^2/NDF: 109.2/103

- sign -769.678+/-596.410 χ^2/NDF: 48.5/52

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 3074.047+/-0.570 χ^2/NDF: 2438891.0/26

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2966.242+/-0.549 χ^2/NDF: 2942165.2/29

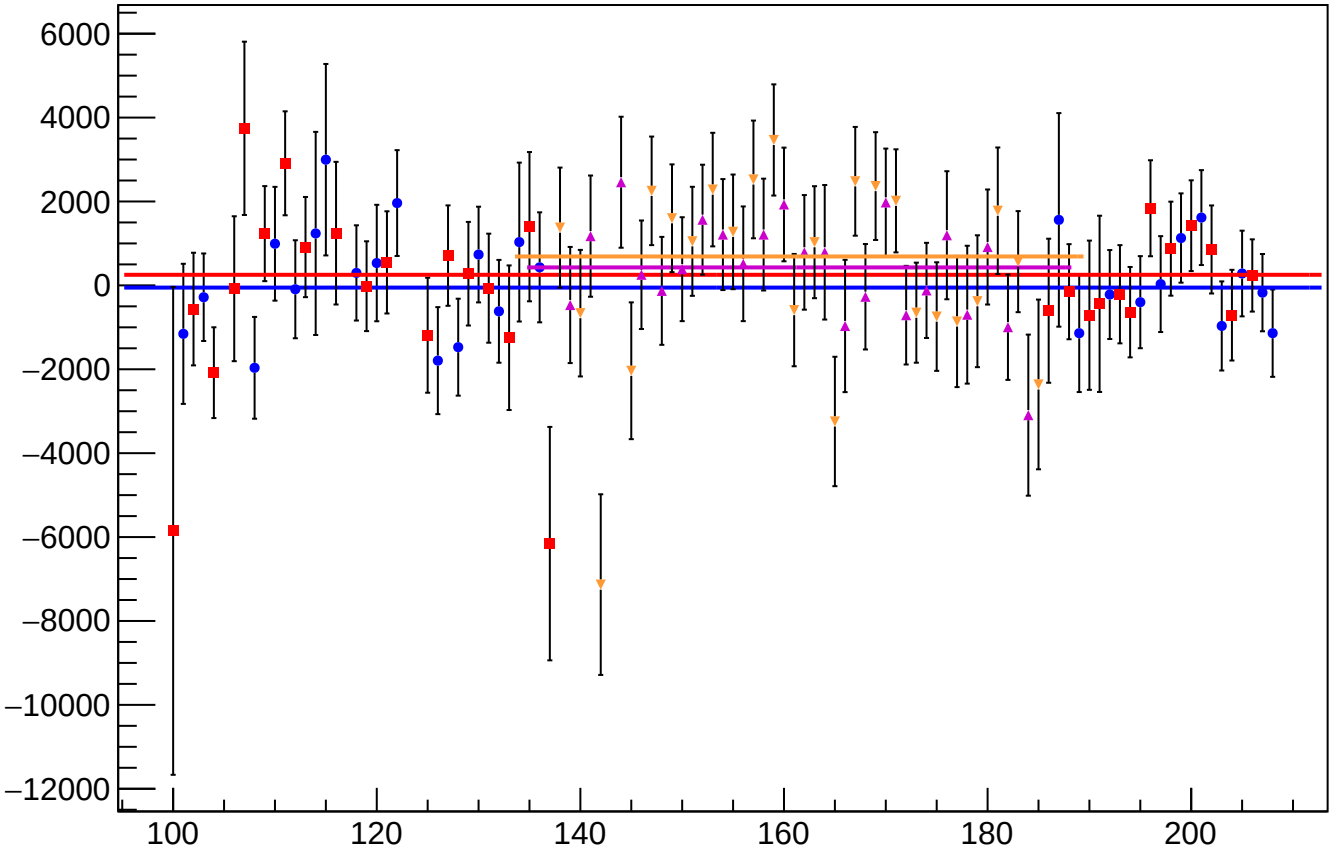
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3443.448+/-0.432 χ^2/NDF: 4514604.7/50

All: 3396.572+/-0.302 χ^2/NDF: 9988833.8/10

- sign 3351.824+/-0.422 χ^2/NDF: 5451176.3/52

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -52.852+/-236.124 χ^2/NDF: 19.5/26

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 252.006+/-235.242 χ^2/NDF: 29.1/29

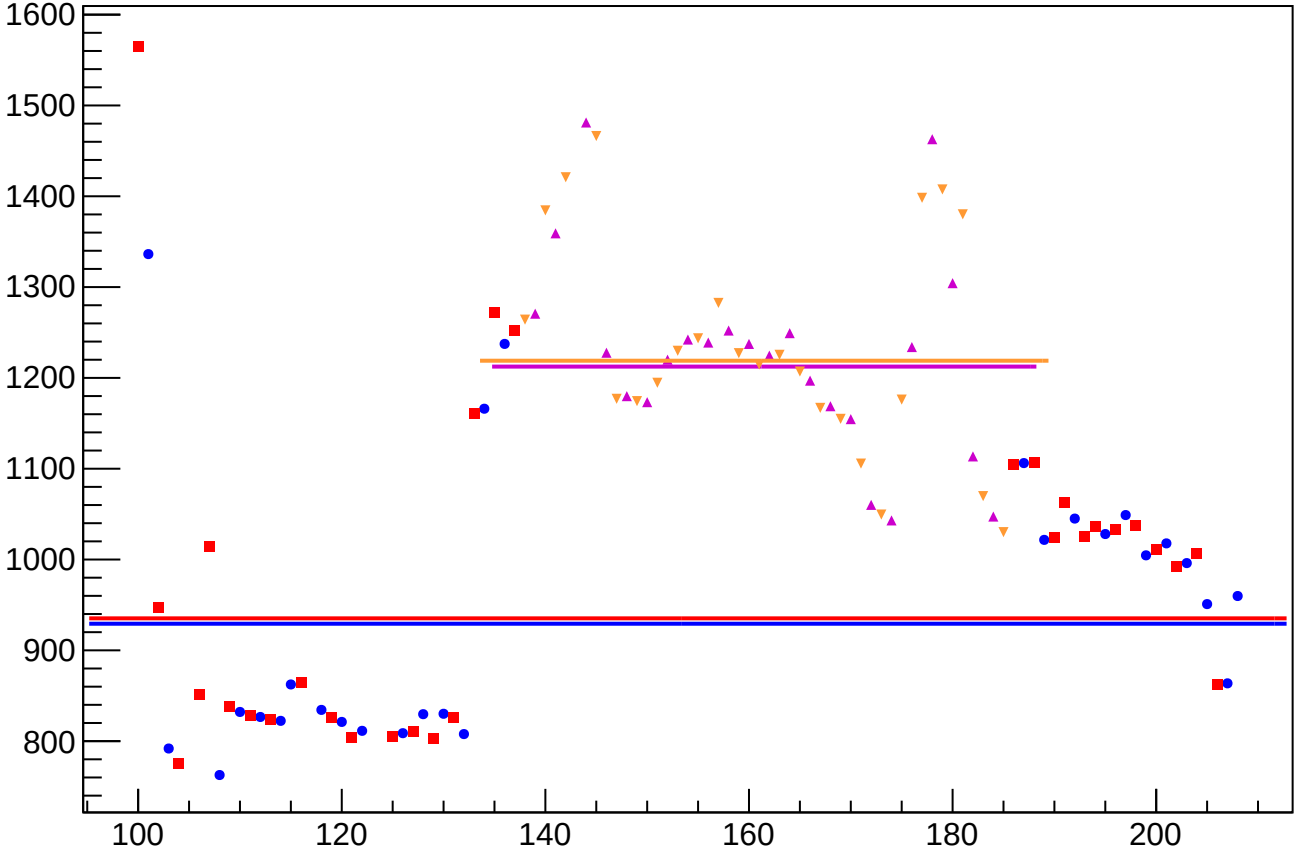
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 249.908+/-181.667 χ^2/NDF: 69.3/50

All: 286.800+/-128.315 χ^2/NDF: 113.2/103

- sign 323.528+/-181.263 χ^2/NDF: 43.9/52

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 929.308+/-0.167 χ^2/NDF: 598555.2/26

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 935.223+/-0.166 χ^2/NDF: 554723.3/29

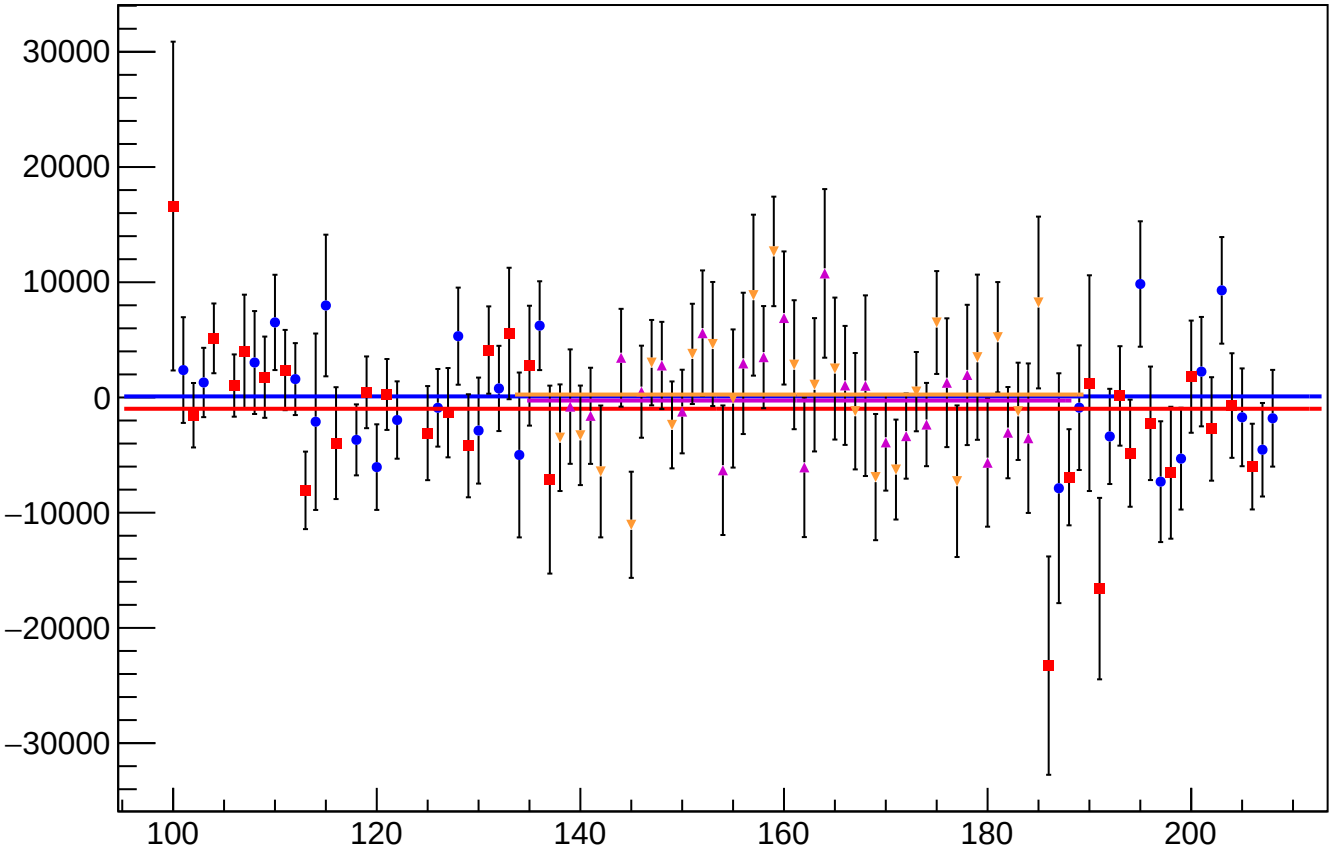
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1047.492+/-0.128 χ^2/NDF: 2120259.2/50

All: 1047.638+/-0.091 χ^2/NDF: 4064200.5/10

- sign 1047.783+/-0.128 χ^2/NDF: 1943938.7/52

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 92.368+/-811.329 χ^2/NDF: 28.9/26

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -980.937+/-760.002 χ^2/NDF: 34.5/29

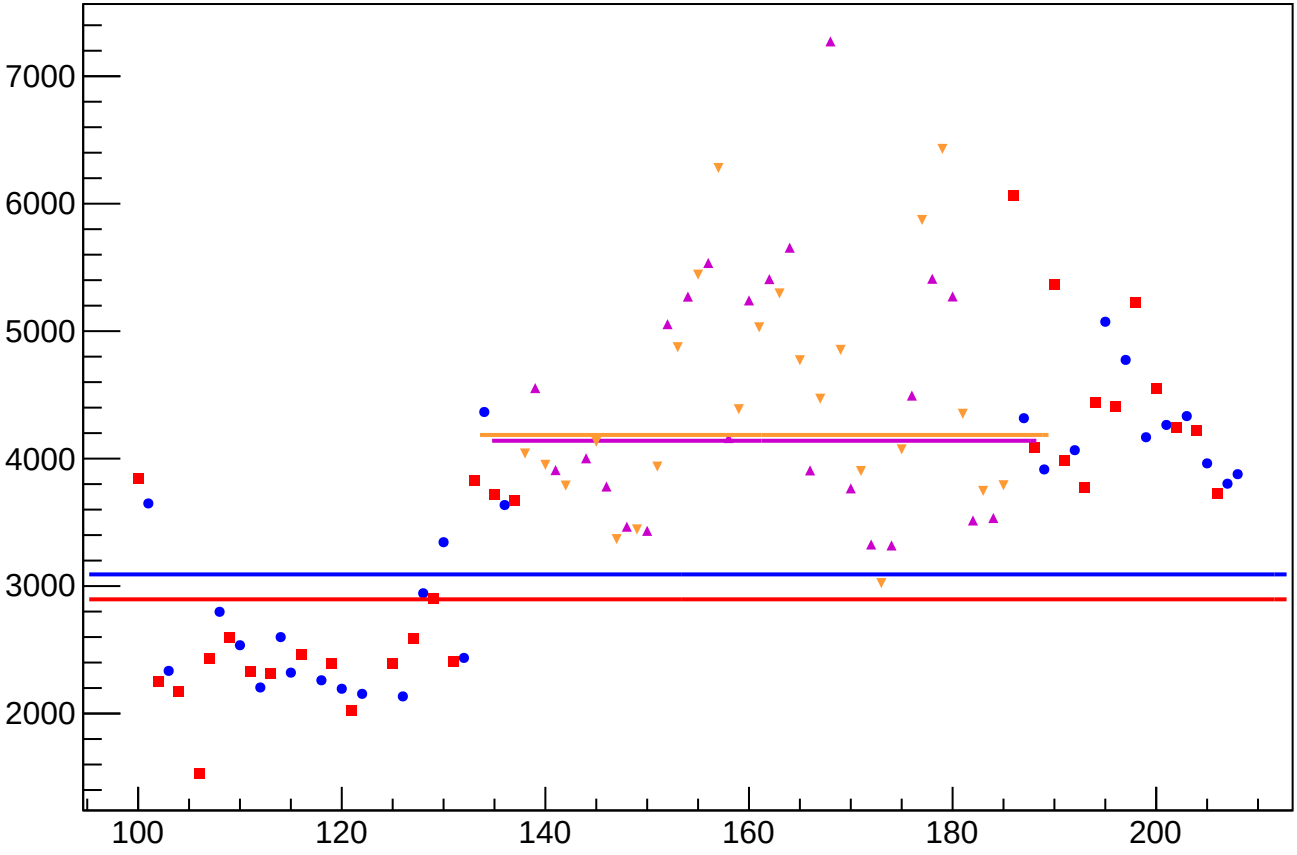
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 156.427+/-628.826 χ^2/NDF: 58.6/50

All: -298.140+/-435.179 χ^2/NDF: 107.9/103

- sign -715.950+/-602.866 χ^2/NDF: 48.3/52

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 3091.615+/-0.574 χ^2/NDF: 2415841.7/26

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2895.996+/-0.537 χ^2/NDF: 3381350.8/29

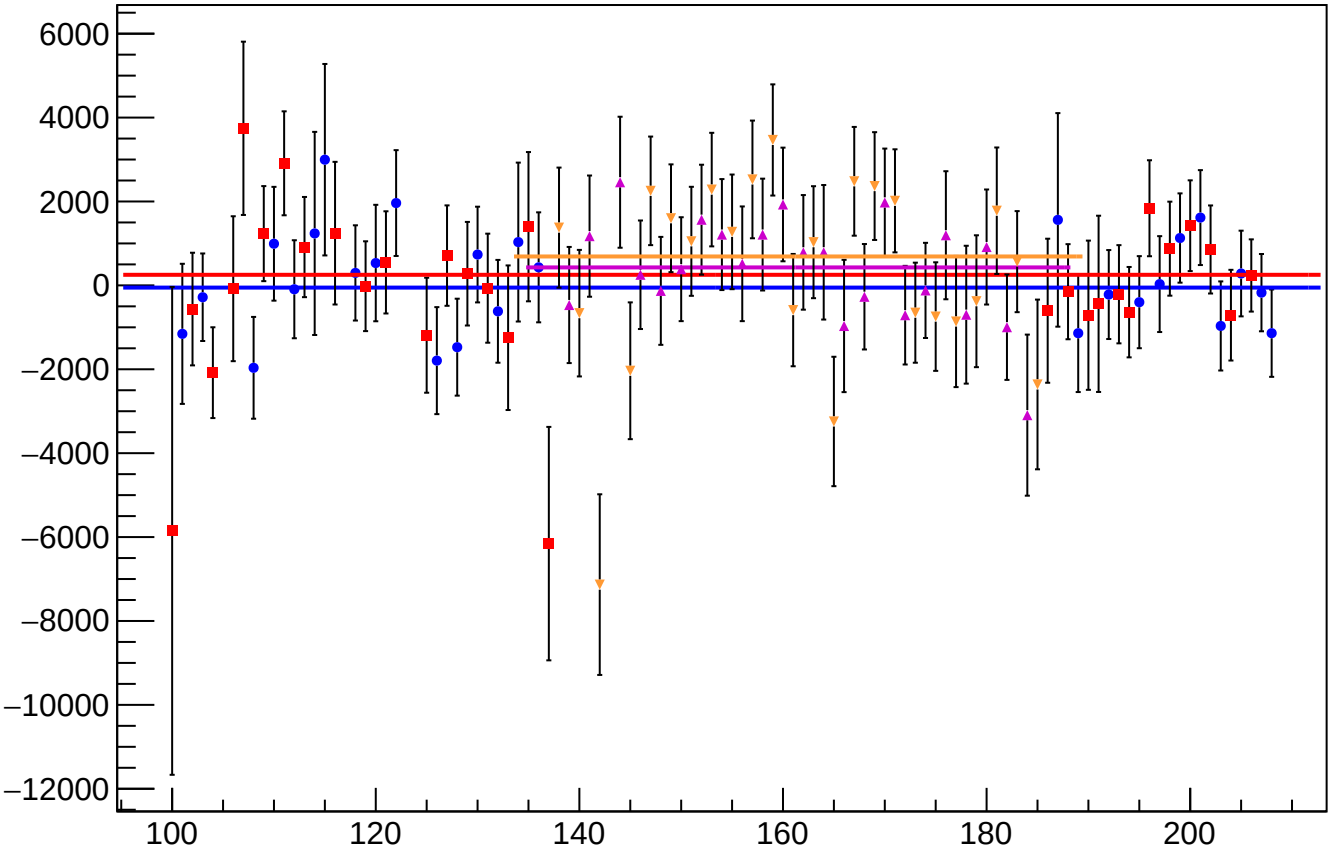
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3528.451+/-0.445 χ^2/NDF: 5139160.1/50

All: 3439.243+/-0.308 χ^2/NDF: 12034594.6/1

- sign 3357.249+/-0.426 χ^2/NDF: 6818187.4/52

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -52.854+/-236.124 χ^2/NDF: 19.5/26

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 252.007+/-235.242 χ^2/NDF: 29.1/29

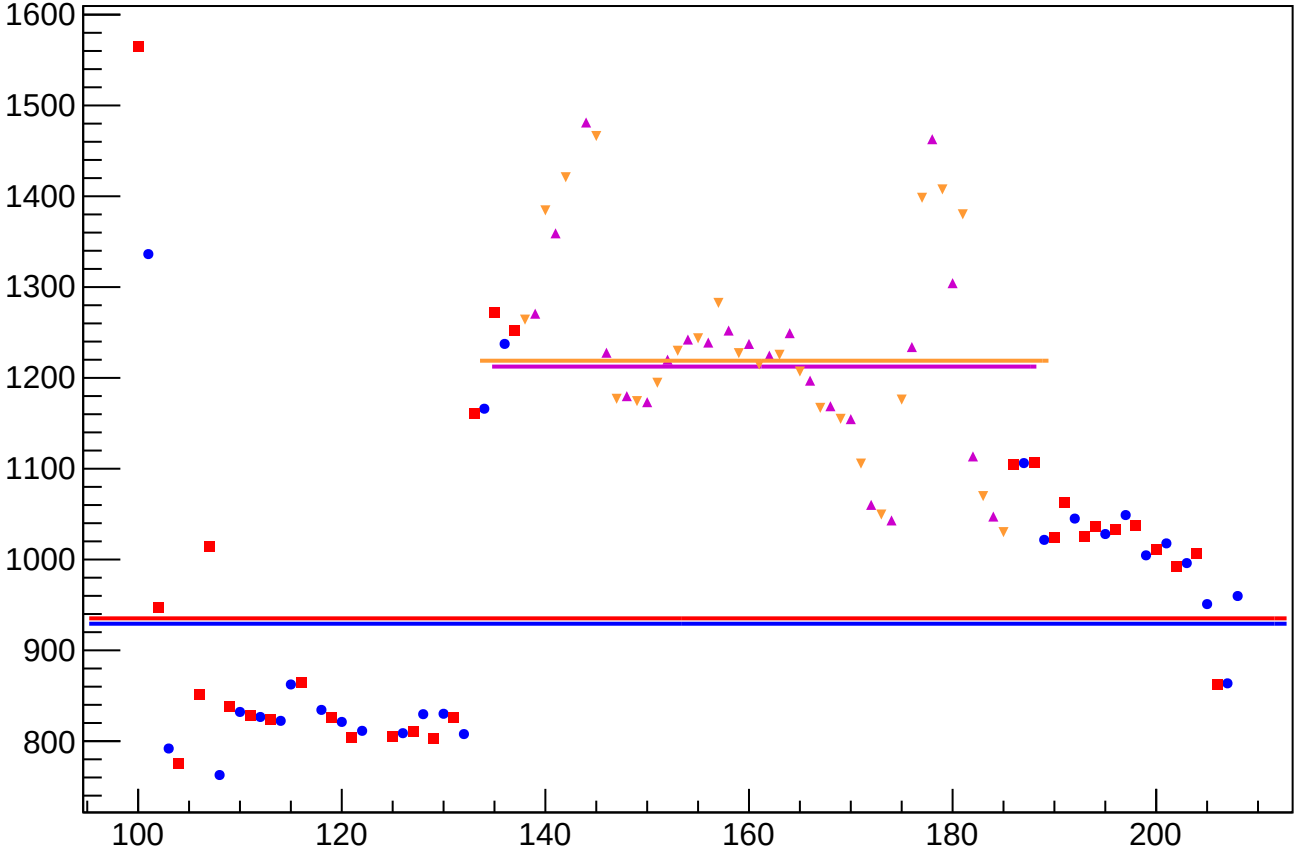
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 249.908+/-181.667 χ^2/NDF: 69.3/50

All: 286.800+/-128.315 χ^2/NDF: 113.2/103

- sign 323.527+/-181.263 χ^2/NDF: 43.9/52

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 929.308+/-0.167 χ^2/NDF: 598555.0/26

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

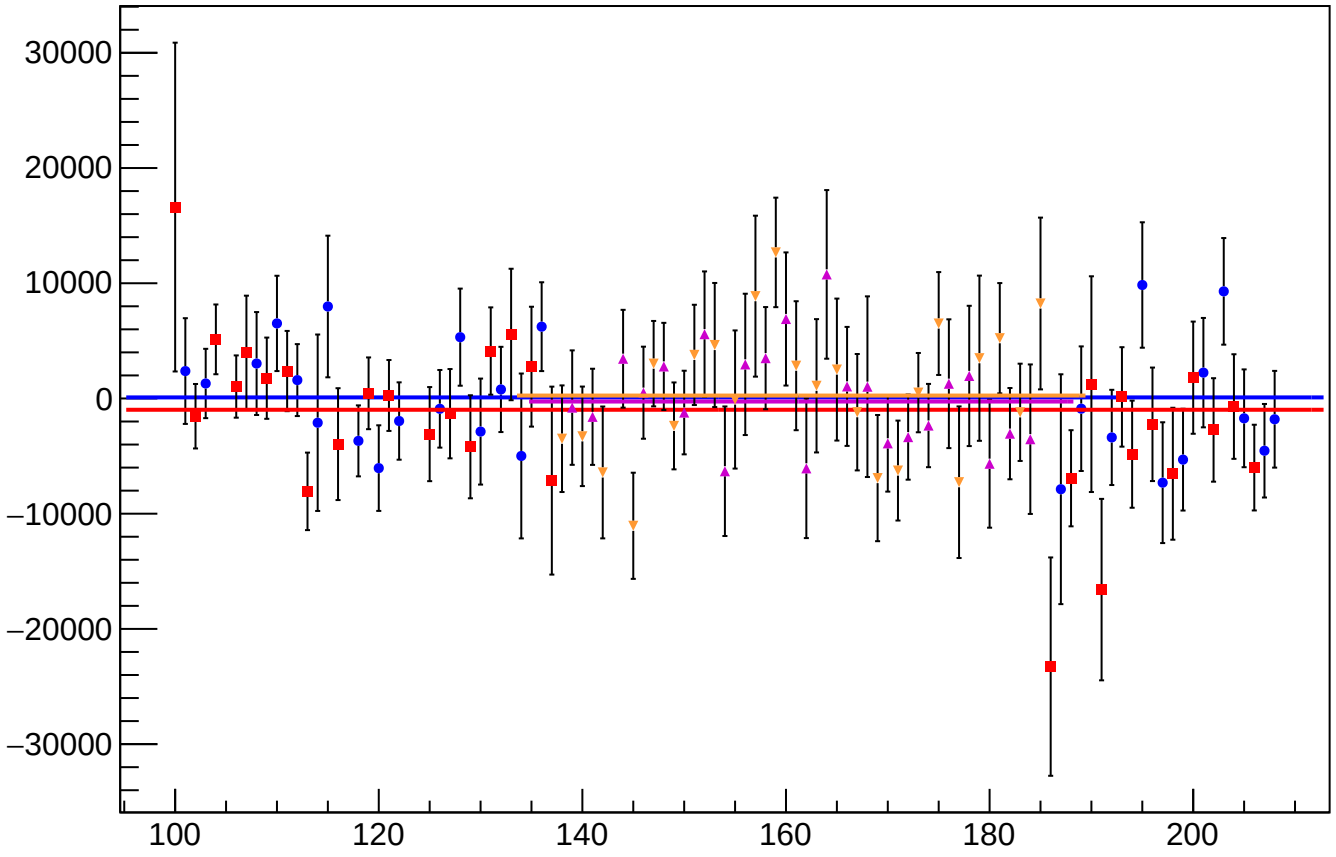
Right Out: 935.223+/-0.166 χ^2/NDF: 554724.0/29

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1047.493+/-0.128 χ^2/NDF: 2120276.0/50

All: 1047.638+/-0.091 χ^2/NDF: 4064234.6/10

- sign 1047.783+/-0.128 χ^2/NDF: 1943956.0/52



Right In: 92.367+/-811.328 χ^2/NDF: 28.9/26

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

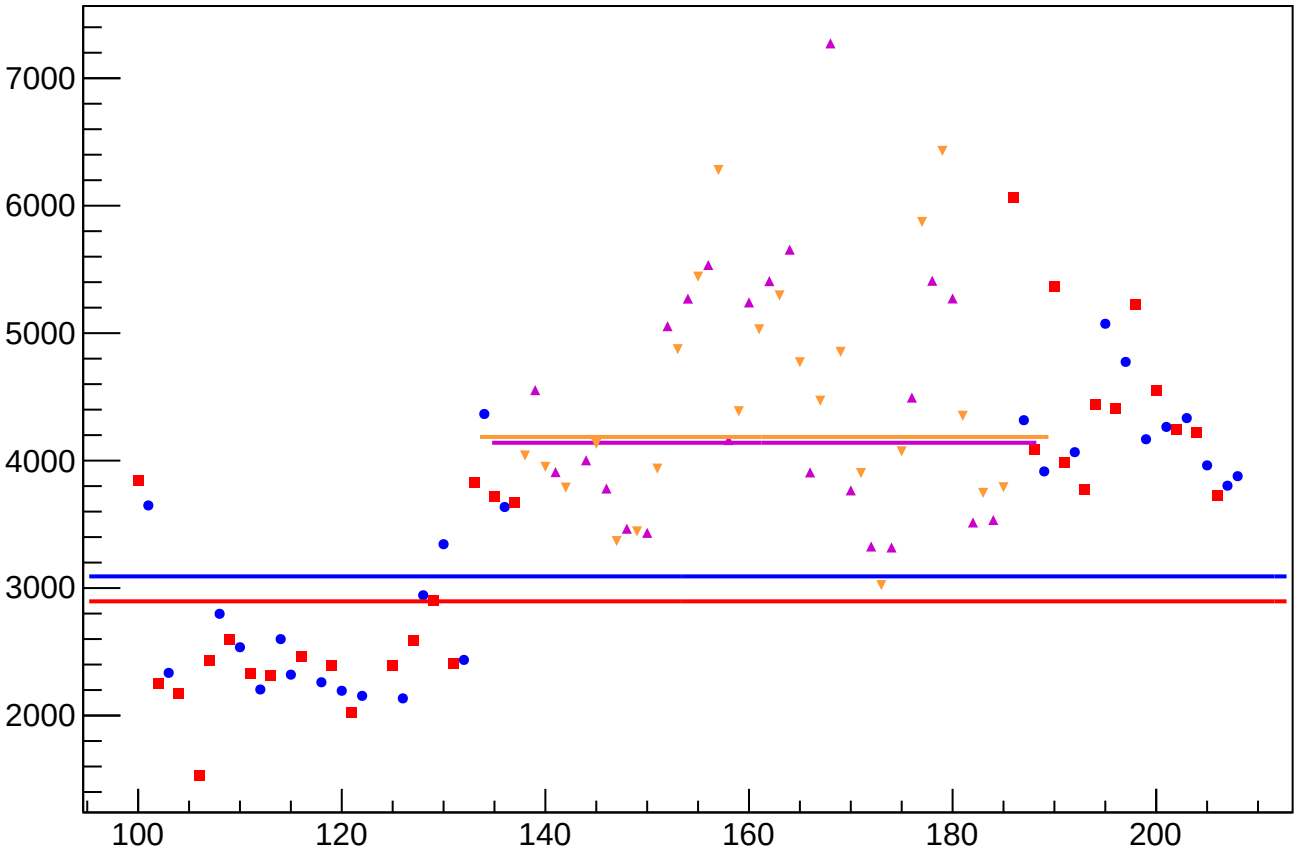
Right Out: -980.931+/-760.001 χ^2/NDF: 34.5/29

Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 156.427+/-628.826 χ^2/NDF: 58.6/50

All: -298.139+/-435.179 χ^2/NDF: 107.9/103

- sign -715.948+/-602.866 χ^2/NDF: 48.3/52



Right In: 3091.609+/-0.574 χ^2/NDF: 2415884.4/26

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2895.990+/-0.537 χ^2/NDF: 3381387.8/29

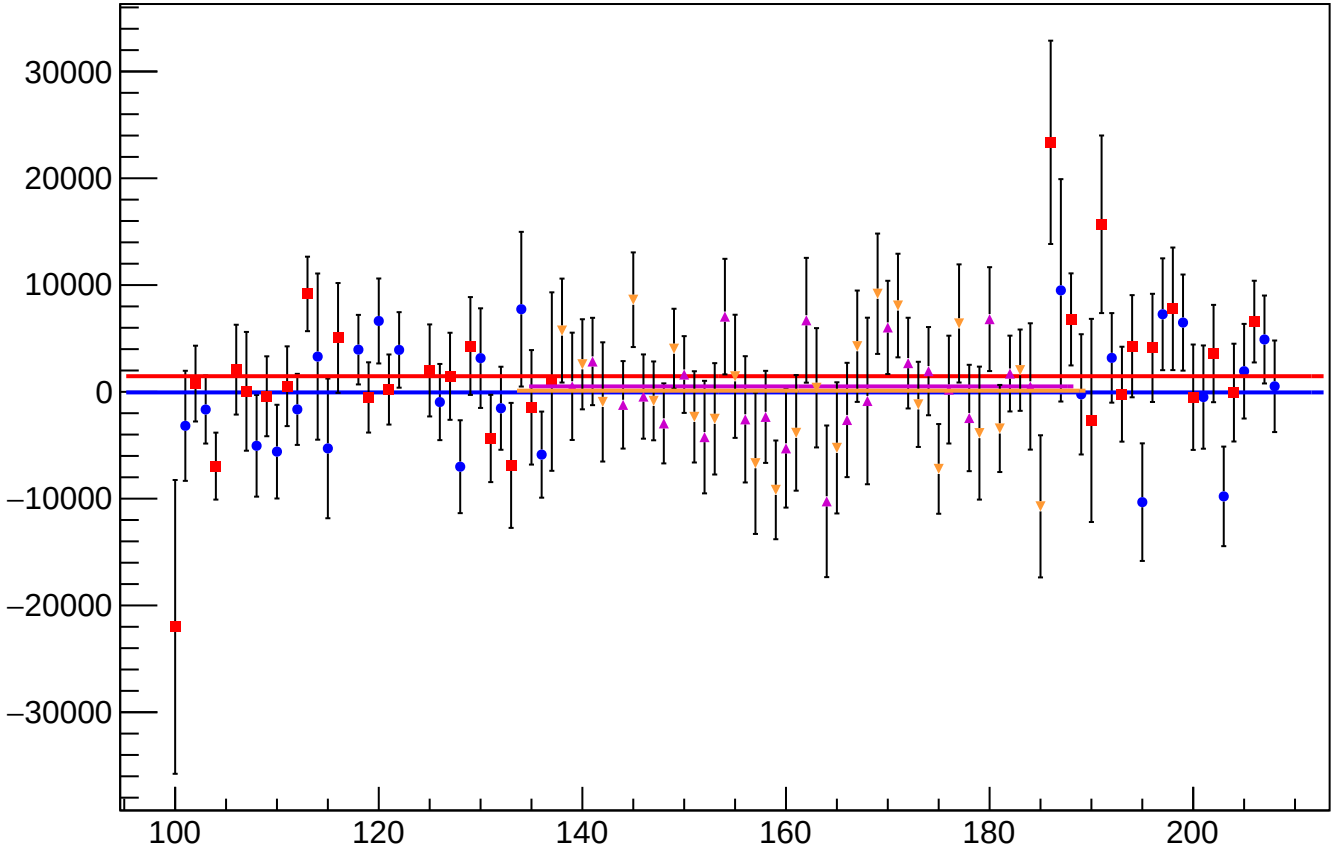
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3528.449+/-0.445 χ^2/NDF: 5139238.0/50

All: 3439.240+/-0.308 χ^2/NDF: 12034751.0/1

- sign 3357.246+/-0.426 χ^2/NDF: 6818265.4/52

asym_usl_atl2_dd_mean vs Slug



Right In: -51.837+/-847.080 χ^2/NDF: 31.5/26

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 1465.898+/-821.180 χ^2/NDF: 35.4/29

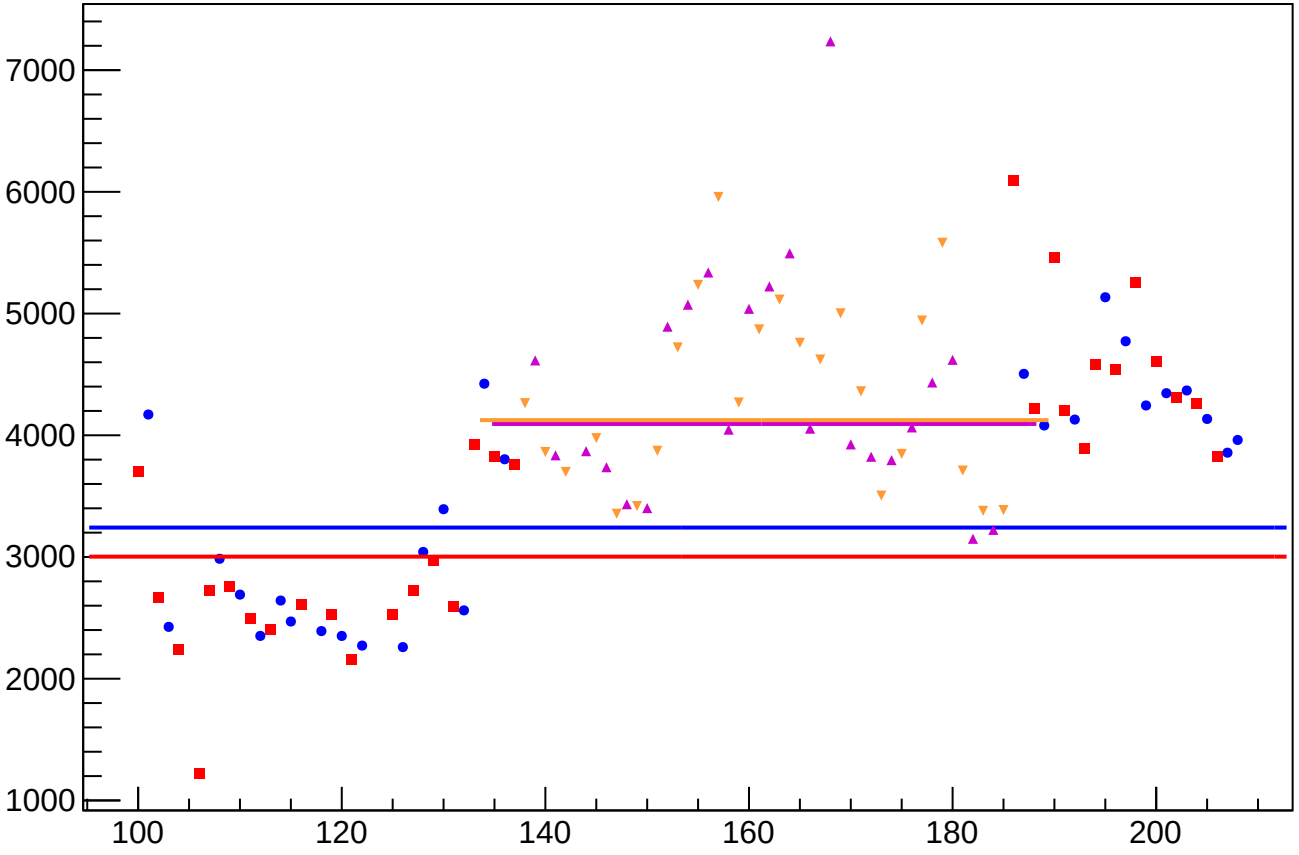
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

\+ sign 17.282+/-639.622 χ^2/NDF: 59.5/50

All: 552.595+/-448.068 χ^2/NDF: 110.4/103

\- sign 1068.414+/-627.868 χ^2/NDF: 49.5/52

asym_usl_atl2_dd_rms vs Slug



Right In: 3241.770+/-0.599 χ^2/NDF: 2187393.2/26

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 3002.945+/-0.562 χ^2/NDF: 3553772.8/29

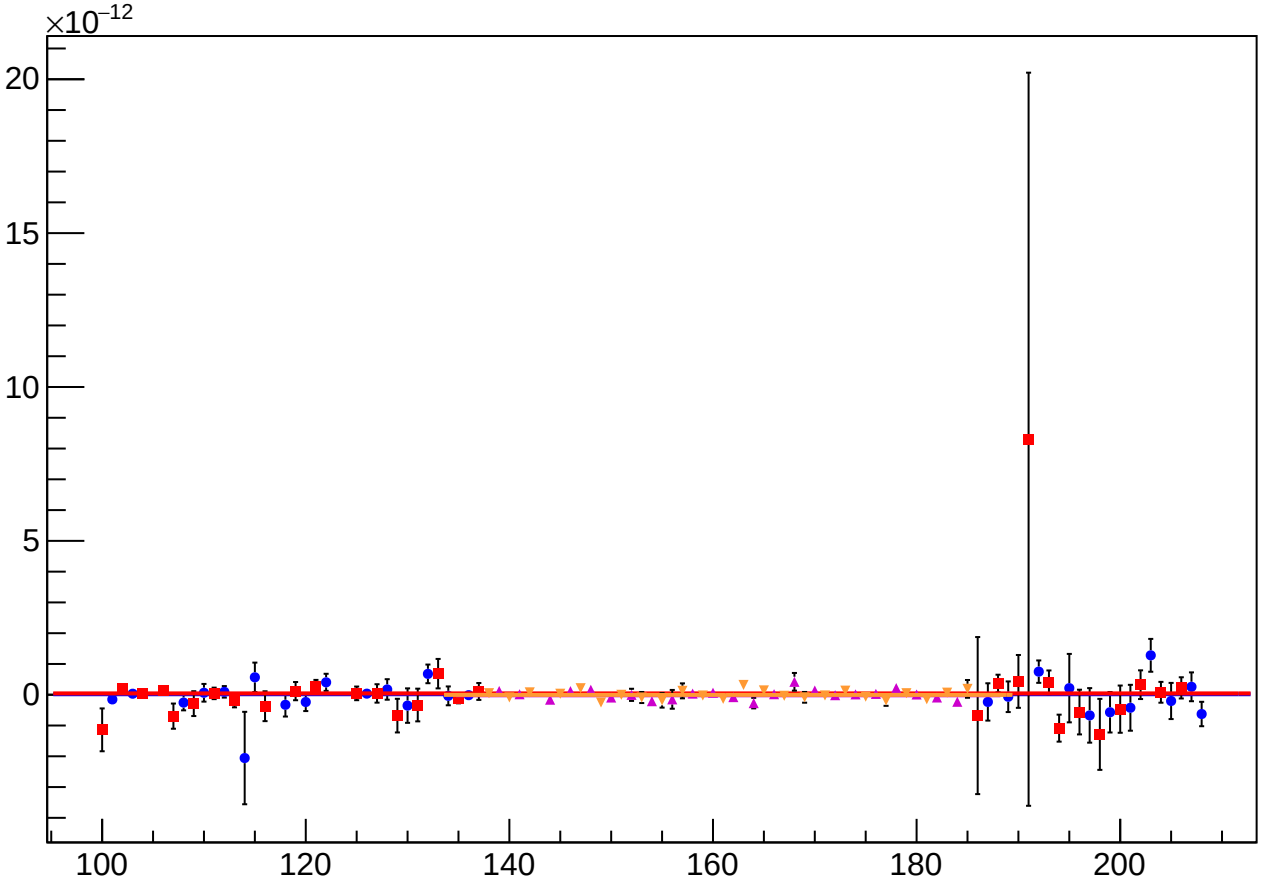
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3621.194+/-0.452 χ^2/NDF: 4090848.8/50

All: 3526.397+/-0.314 χ^2/NDF: 10395841.9/1

- sign 3438.531+/-0.435 χ^2/NDF: 6220342.0/52

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

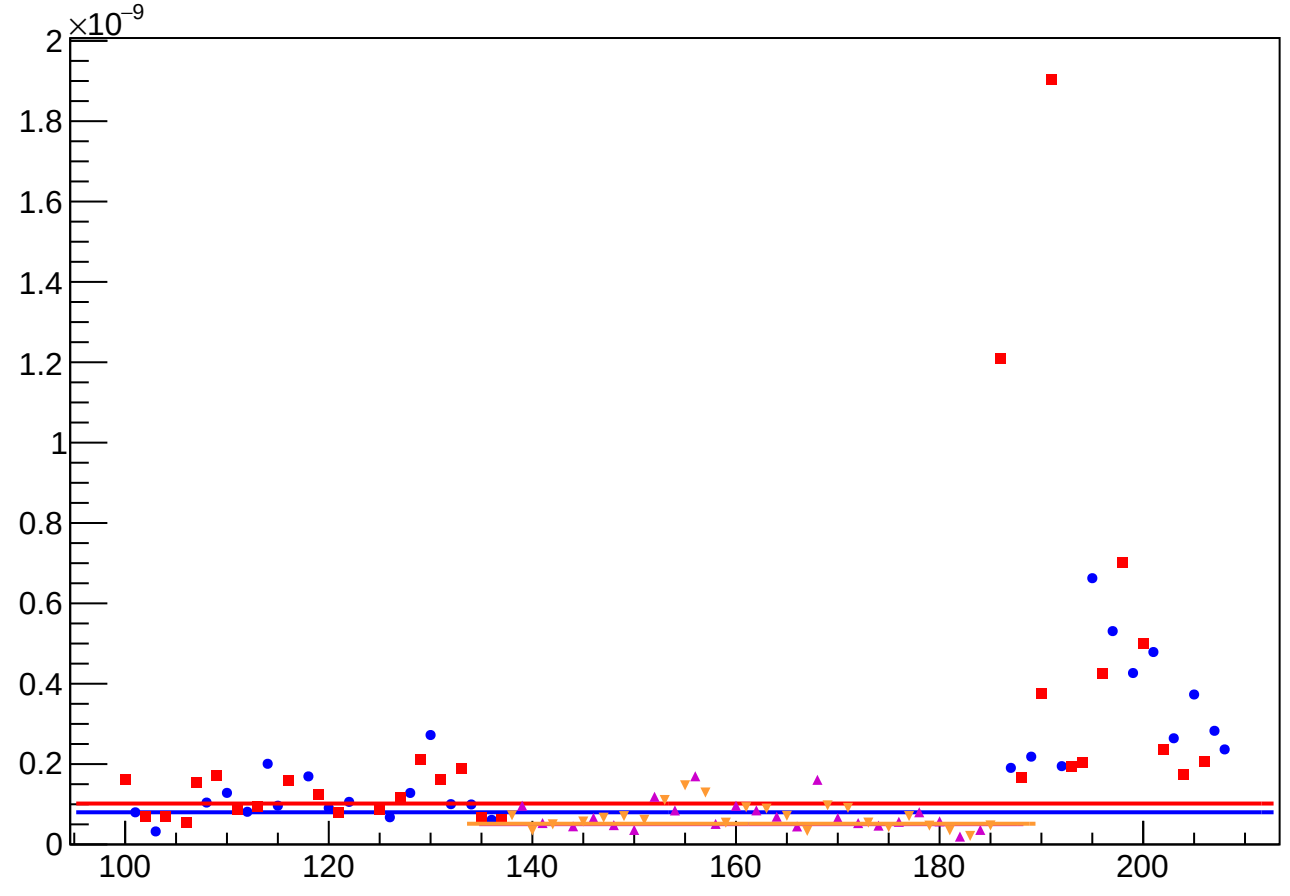
Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/29

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.4/50

All: -0.000+/-0.000 χ^2/NDF: 111.1/103

- sign -0.000+/-0.000 χ^2/NDF: 56.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 5489428.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3802073.0/29

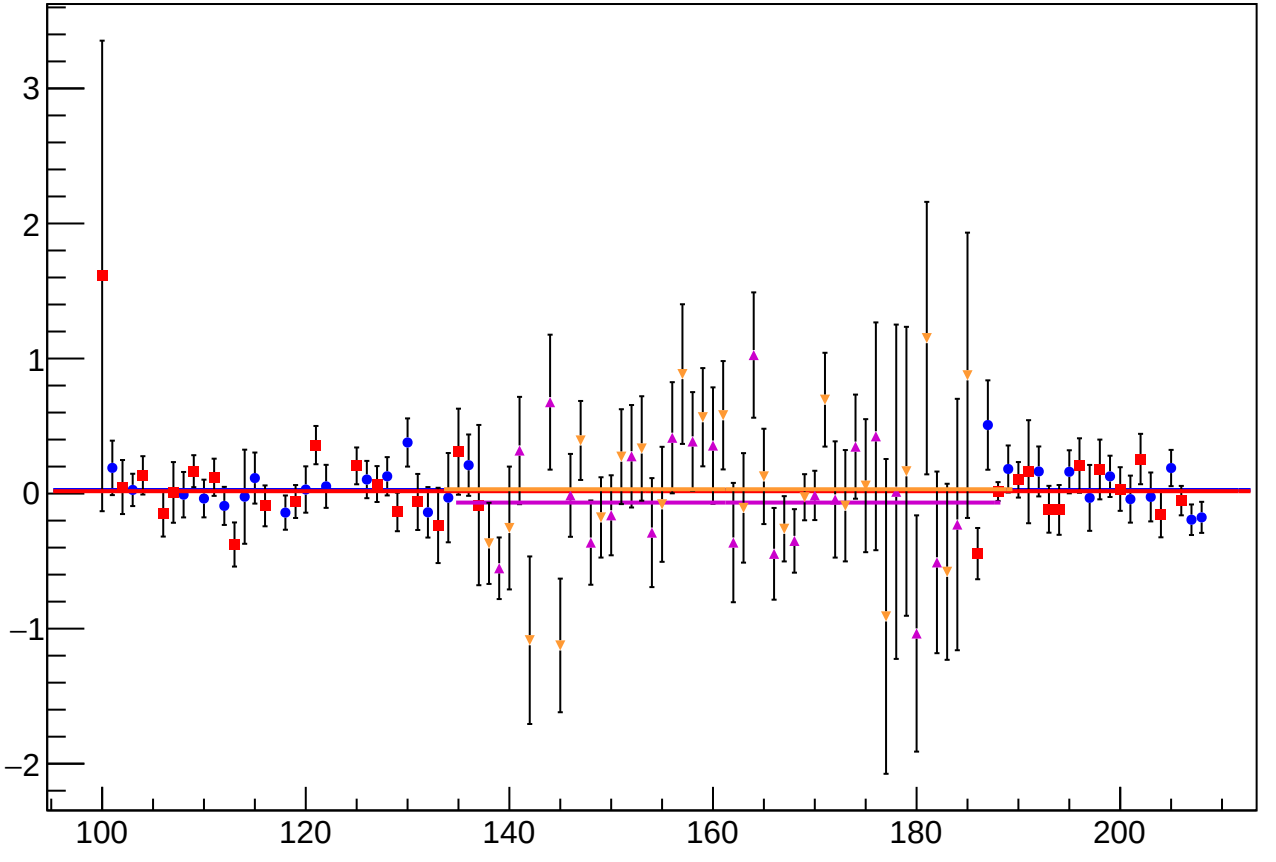
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8463958.0/50

All: 0.000+/-0.000 χ^2/NDF: 16477762.2/103

- sign 0.000+/-0.000 χ^2/NDF: 8010175.9/52

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.031 χ^2/NDF: 23.1/26

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.018+/-0.028 χ^2/NDF: 34.4/29

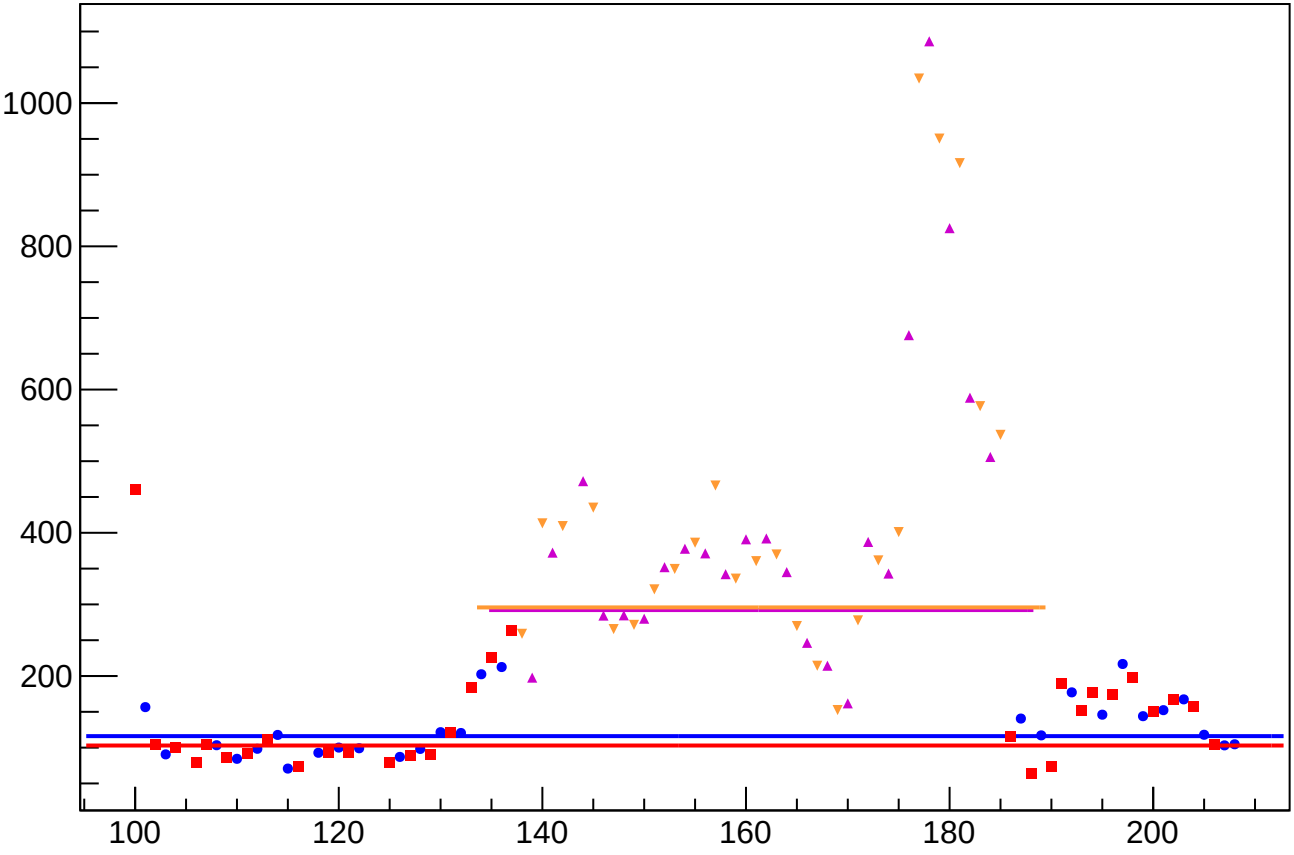
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.027+/-0.029 χ^2/NDF: 52.8/50

All: 0.016+/-0.019 χ^2/NDF: 114.3/103

- sign 0.007+/-0.026 χ^2/NDF: 61.2/52

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 116.066+/-0.022 χ^2/NDF: 2160811.6/26

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 102.957+/-0.020 χ^2/NDF: 3570852.0/29

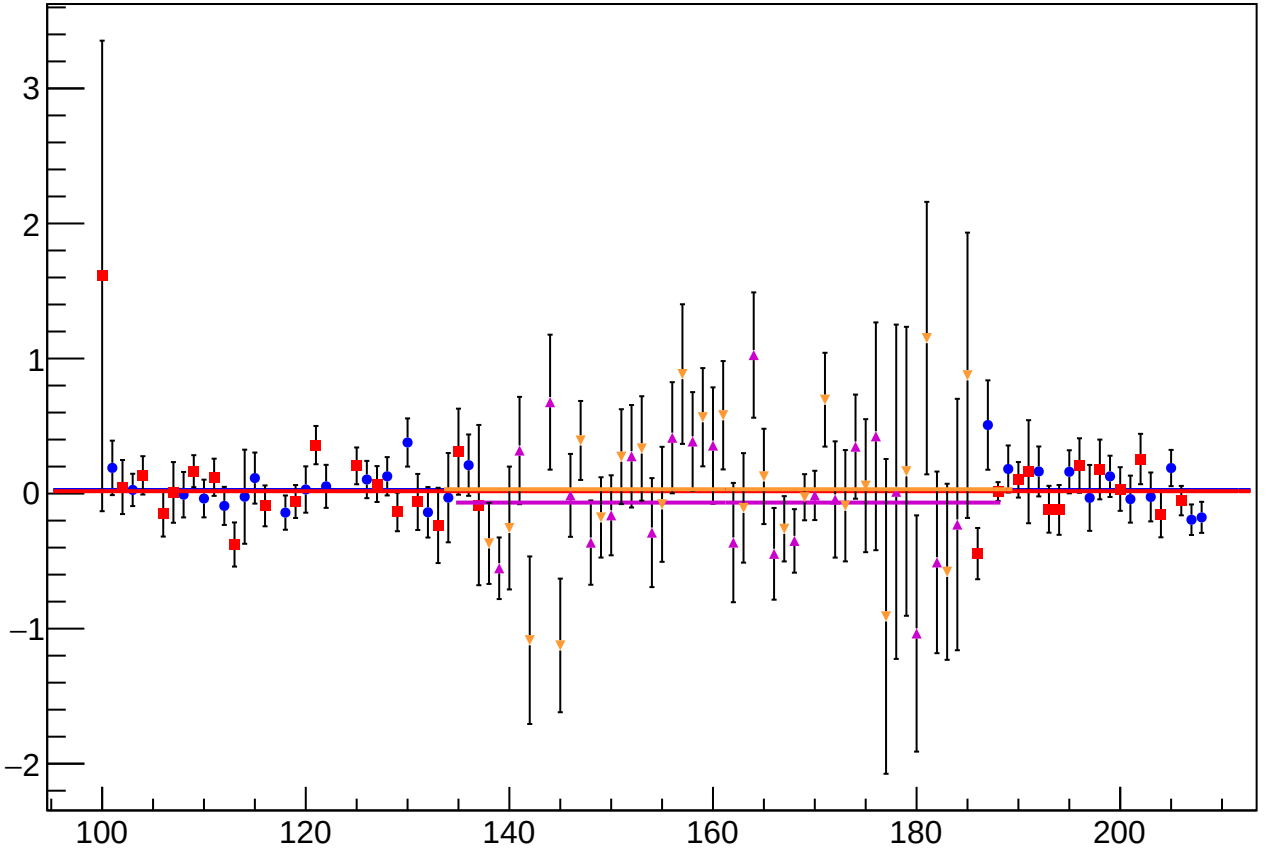
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 141.778+/-0.020 χ^2/NDF: 17245901.8/50

All: 133.554+/-0.014 χ^2/NDF: 37387346.9/10

- sign 126.607+/-0.019 χ^2/NDF: 19839501.1/52

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026+/-0.031 χ^2/NDF: 23.1/26

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

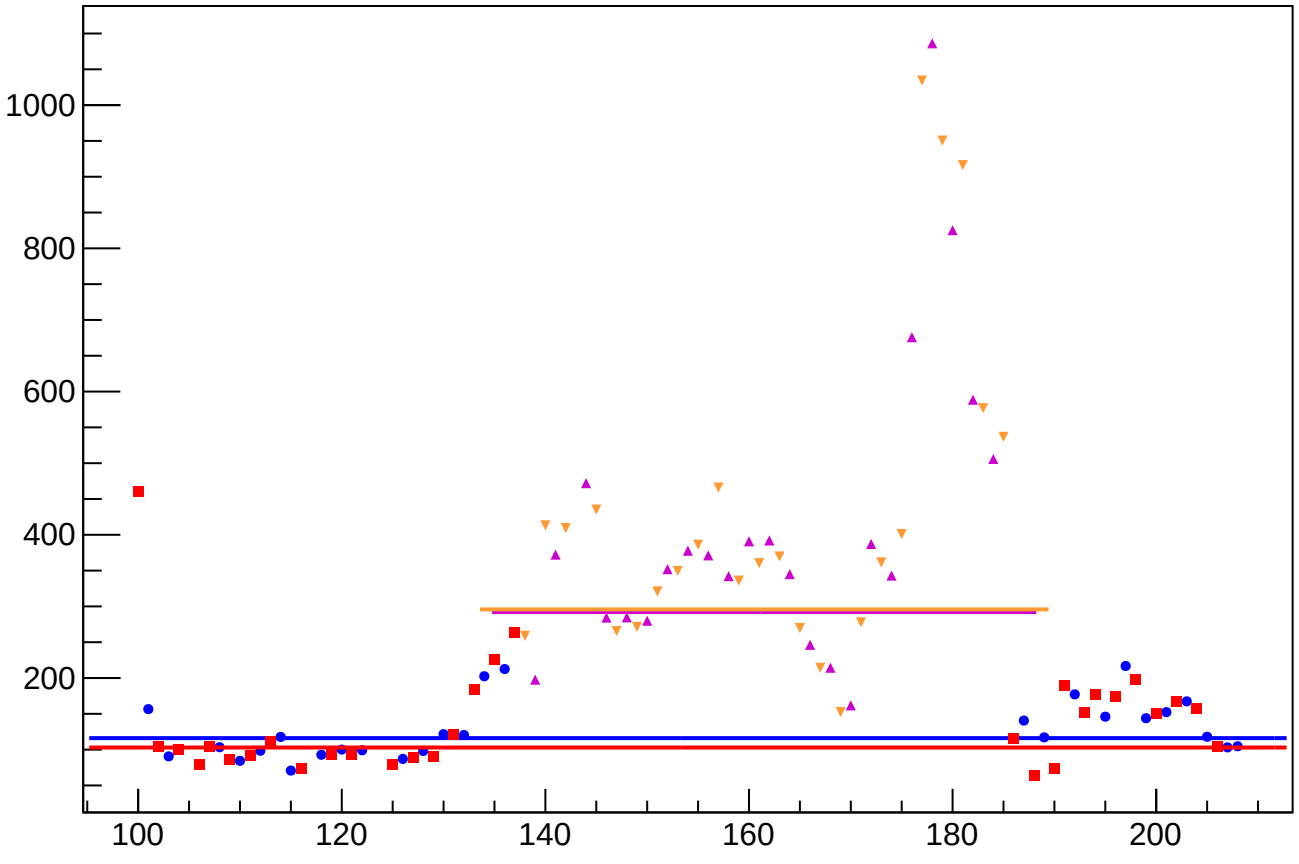
Right Out: 0.018+/-0.028 χ^2/NDF: 34.4/29

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.027+/-0.029 χ^2/NDF: 52.8/50

All: 0.016+/-0.019 χ^2/NDF: 114.3/103

- sign 0.007+/-0.026 χ^2/NDF: 61.2/52



Right In: 116.066+/-0.022 χ^2/NDF: 2160811.6/26

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

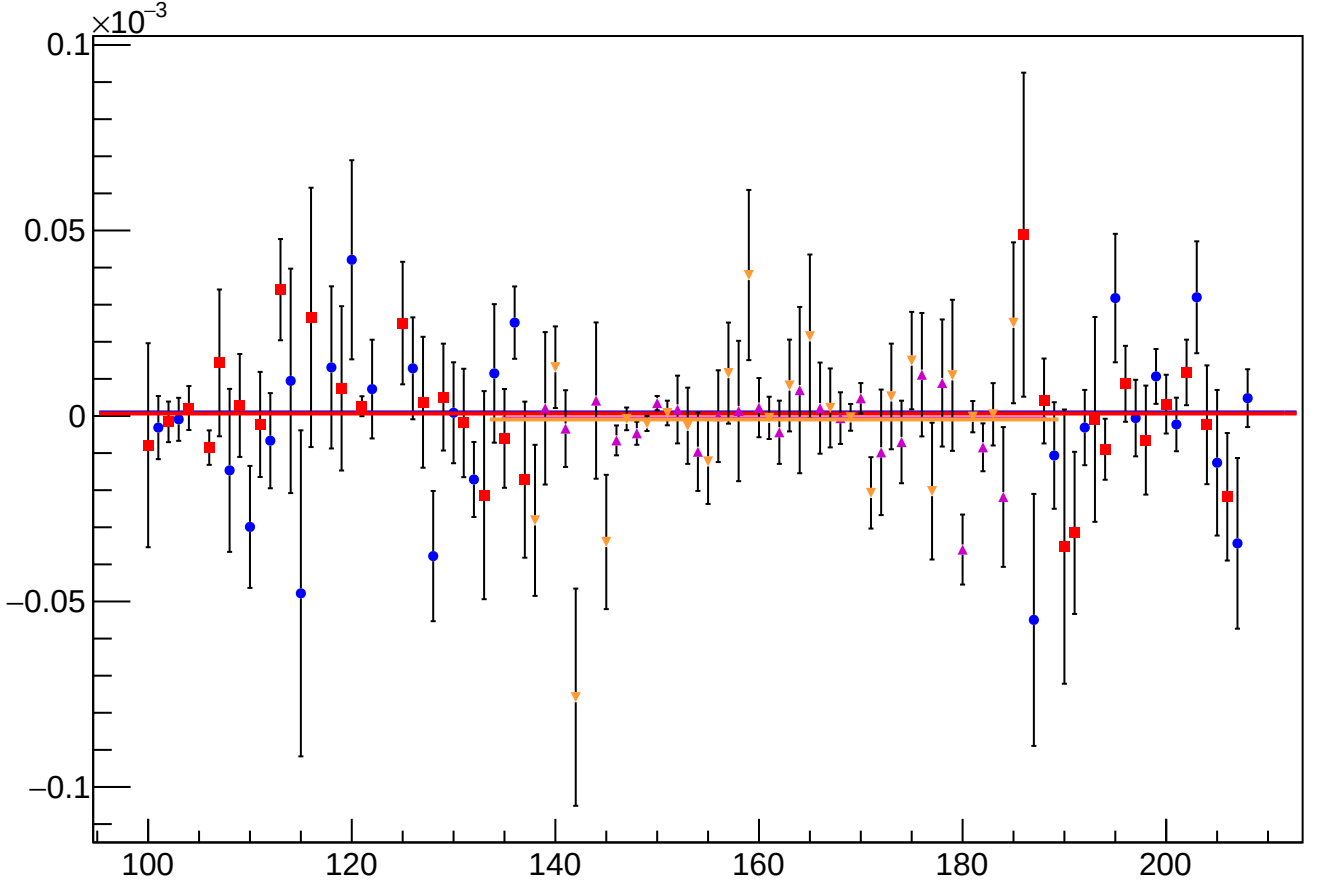
Right Out: 102.957+/-0.020 χ^2/NDF: 3570852.0/29

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 141.778+/-0.020 χ^2/NDF: 17245901.8/50

All: 133.554+/-0.014 χ^2/NDF: 37387346.9/10

- sign 126.607+/-0.019 χ^2/NDF: 19839501.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 40.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

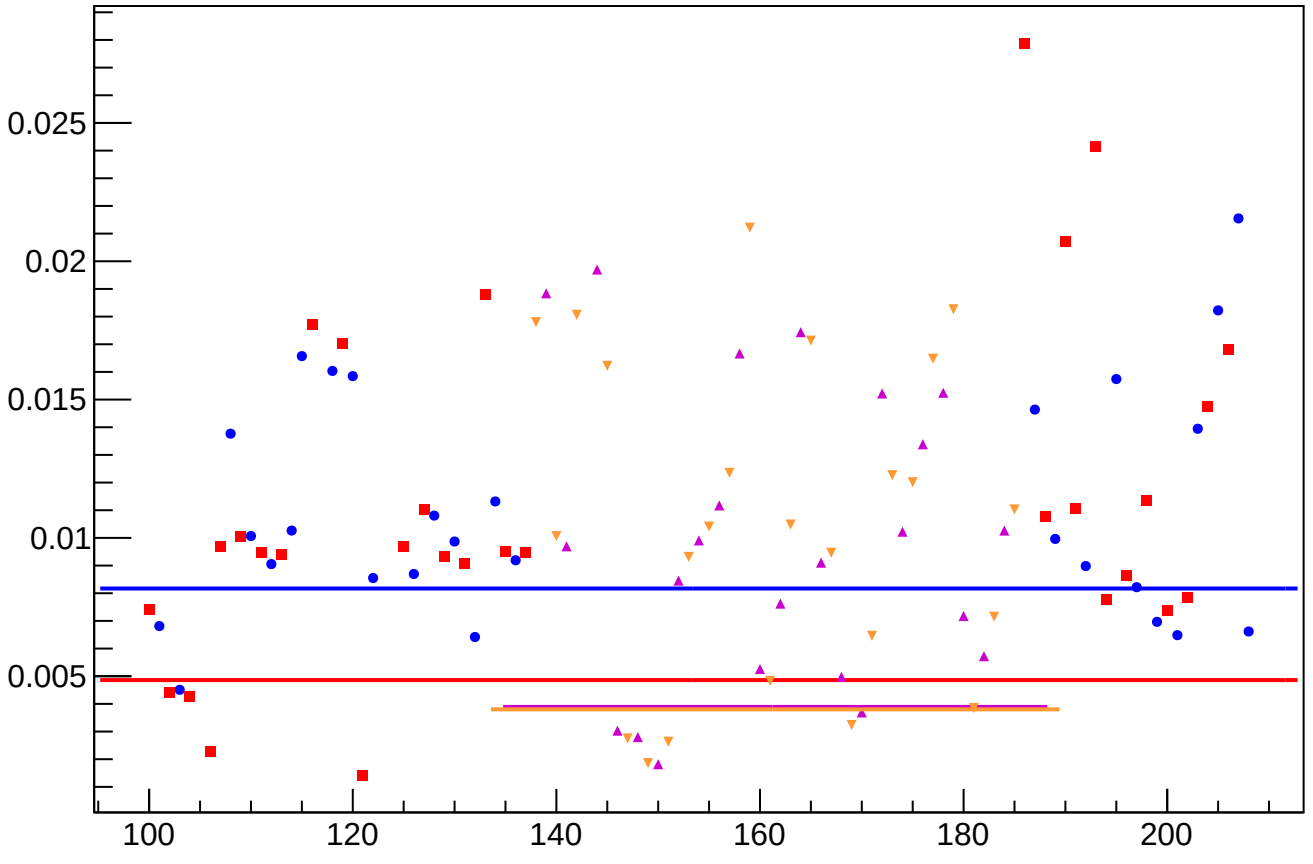
Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/29

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.8/50

All: -0.000+/-0.000 χ^2/NDF: 126.0/103

- sign -0.000+/-0.000 χ^2/NDF: 56.2/52



Right In: 0.008+/-0.000 χ^2/NDF: 3975897.9/26

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 12980200.6/29

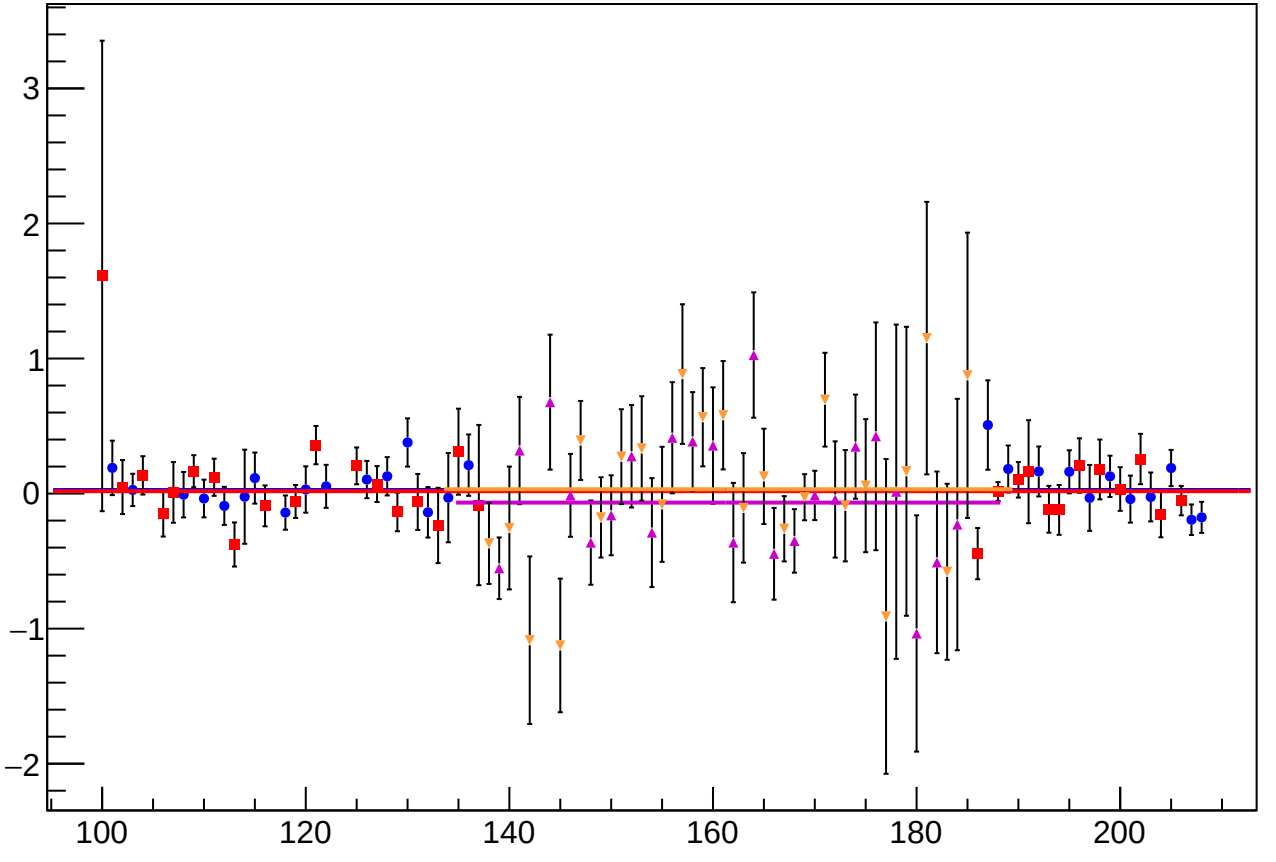
Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 24410850.0/50

All: 0.004+/-0.000 χ^2/NDF: 51606445.5/103

- sign 0.004+/-0.000 χ^2/NDF: 26950203.4/52

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.031 χ^2/NDF: 23.1/26

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

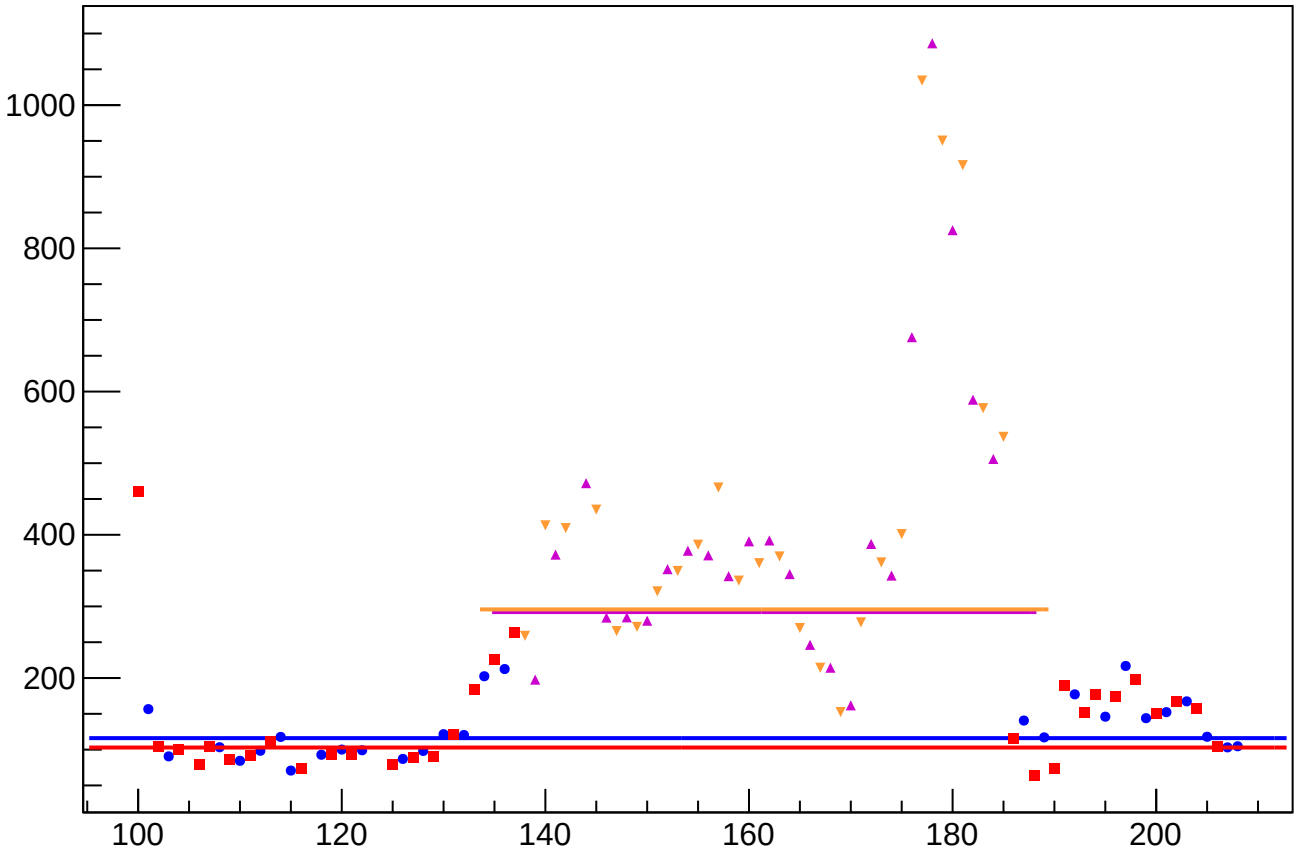
Right Out: 0.018+/-0.028 χ^2/NDF: 34.4/29

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.027+/-0.029 χ^2/NDF: 52.8/50

All: 0.016+/-0.019 χ^2/NDF: 114.3/103

- sign 0.007+/-0.026 χ^2/NDF: 61.2/52



Right In: 116.067+/-0.022 χ^2/NDF: 2160767.6/26

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

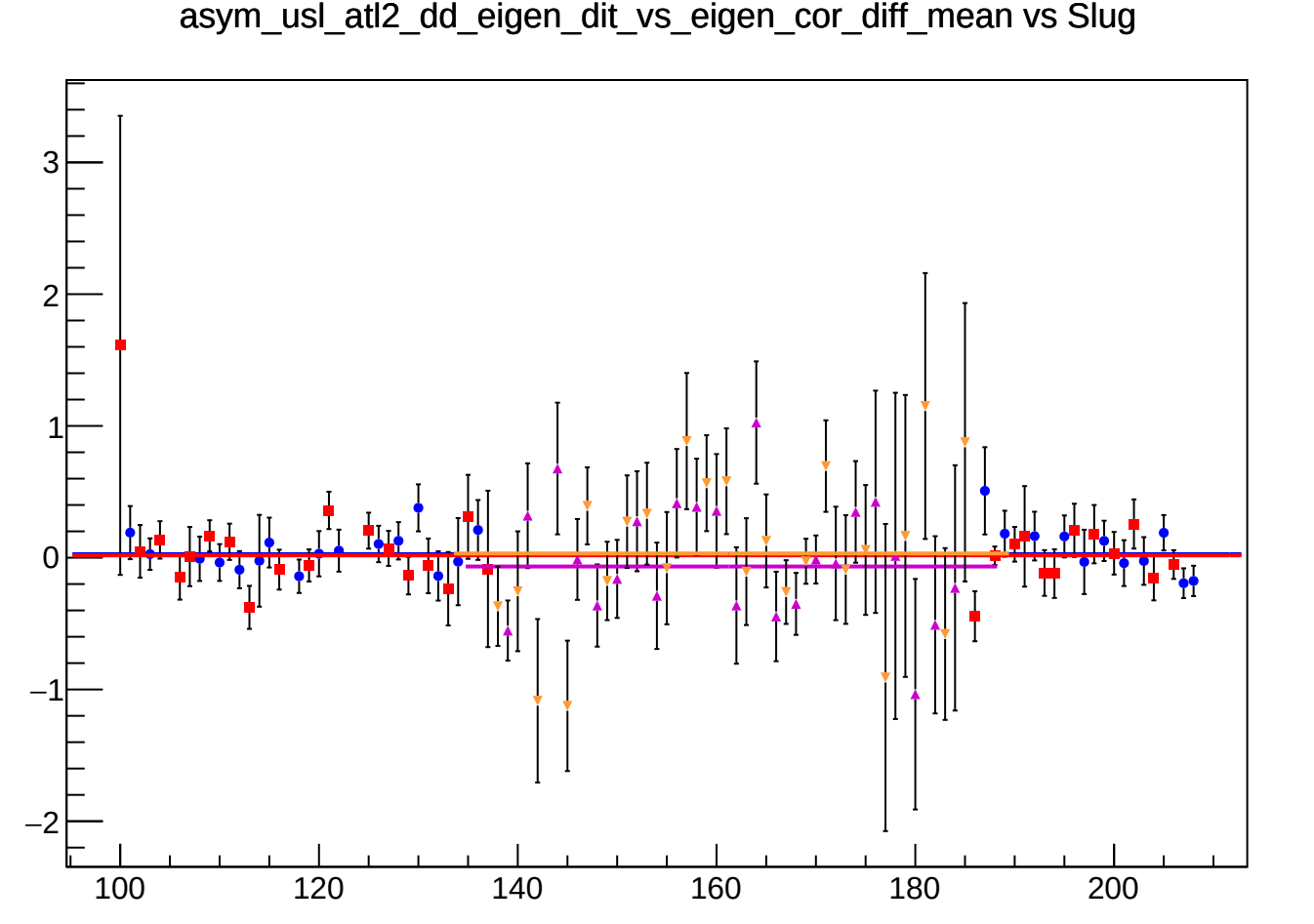
Right Out: 102.956+/-0.020 χ^2/NDF: 3571035.2/29

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 141.779+/-0.020 χ^2/NDF: 17245933.2/50

All: 133.554+/-0.014 χ^2/NDF: 37387947.5/10

- sign 126.606+/-0.019 χ^2/NDF: 19839991.7/52



Right In: 0.026+/-0.031 χ^2/NDF: 23.1/26

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

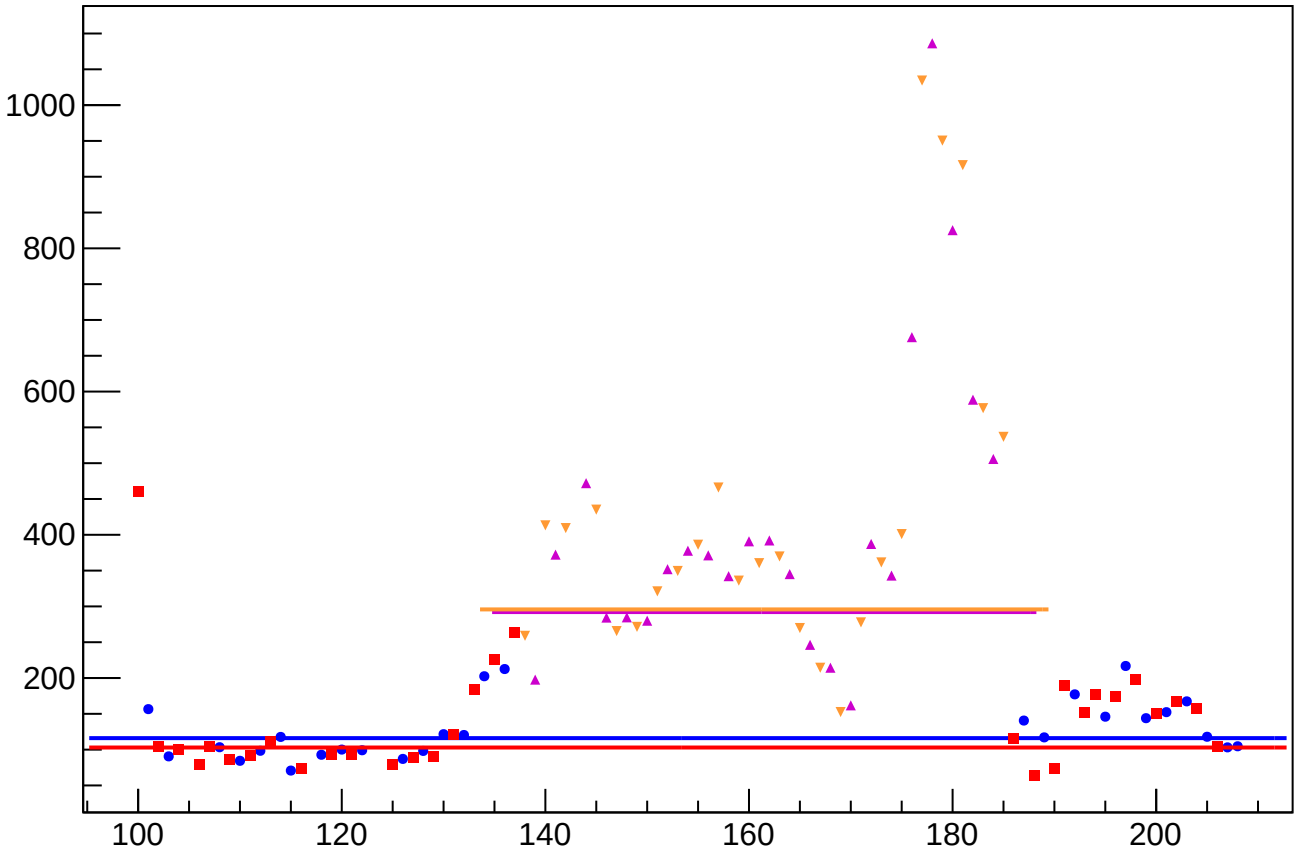
Right Out: 0.018+/-0.028 χ^2/NDF: 34.4/29

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.027+/-0.029 χ^2/NDF: 52.8/50

All: 0.016+/-0.019 χ^2/NDF: 114.3/103

- sign 0.007+/-0.026 χ^2/NDF: 61.2/52



Right In: 116.067+/-0.022 χ^2/NDF: 2160767.6/26

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

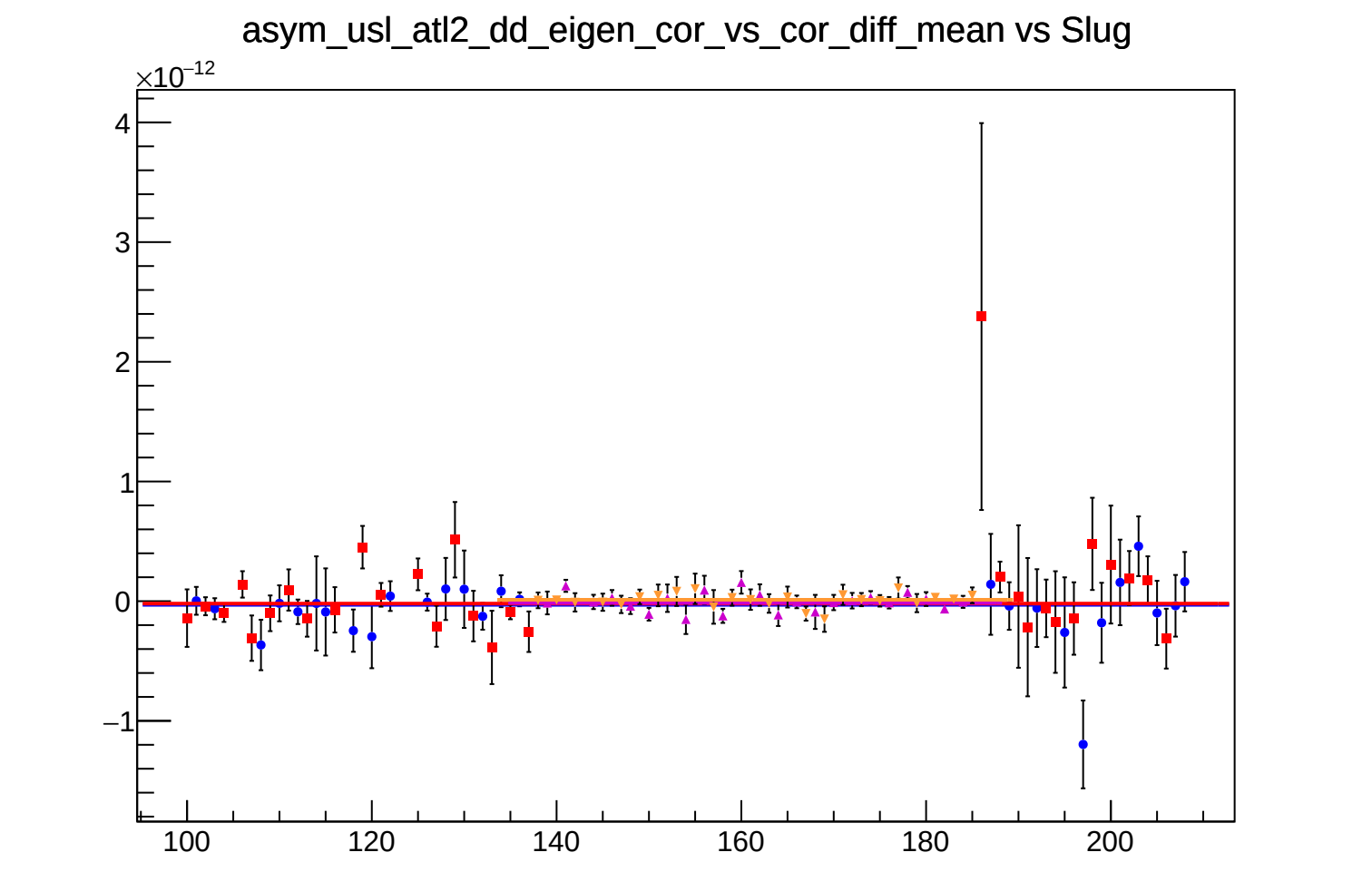
Right Out: 102.956+/-0.020 χ^2/NDF: 3571035.2/29

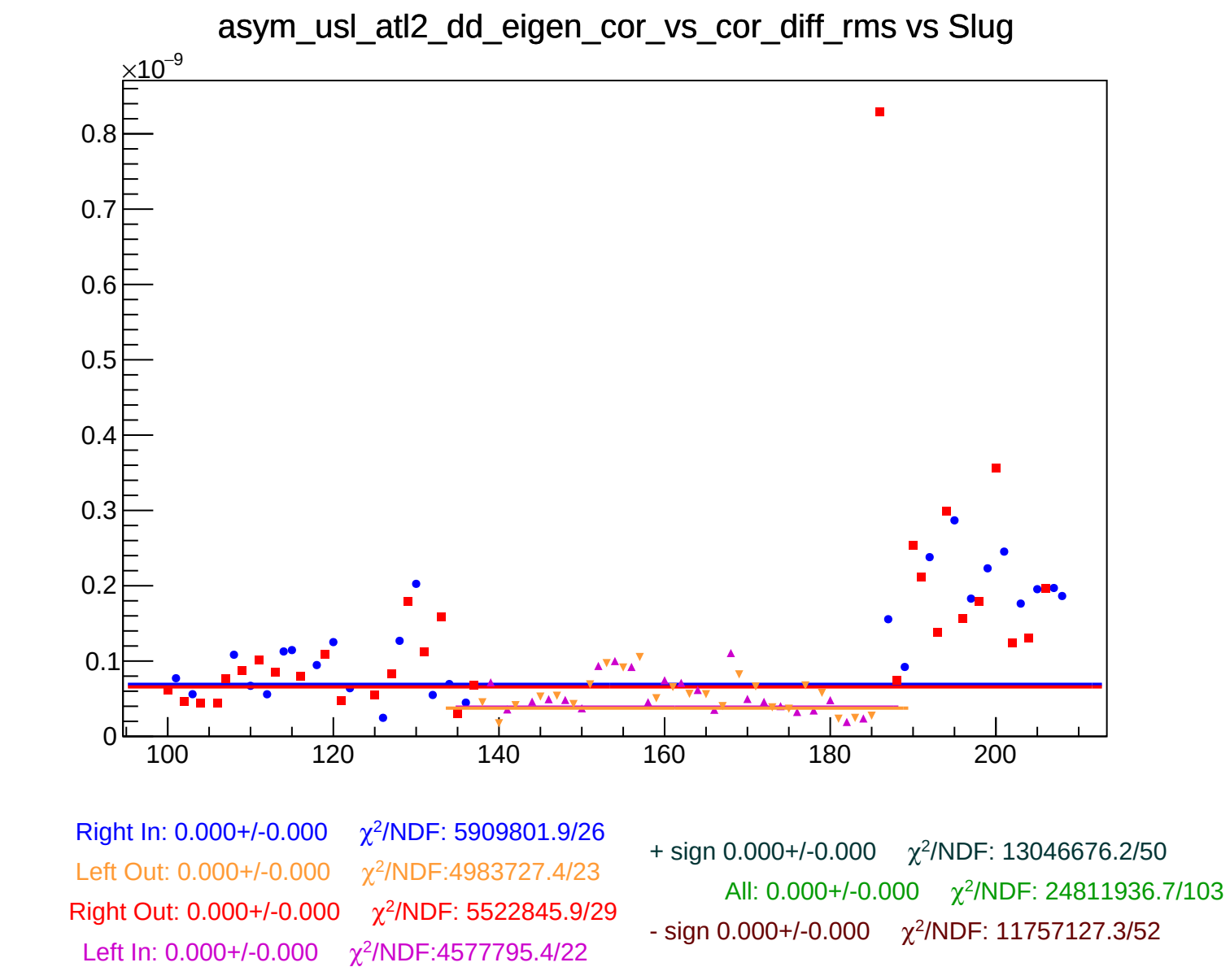
Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

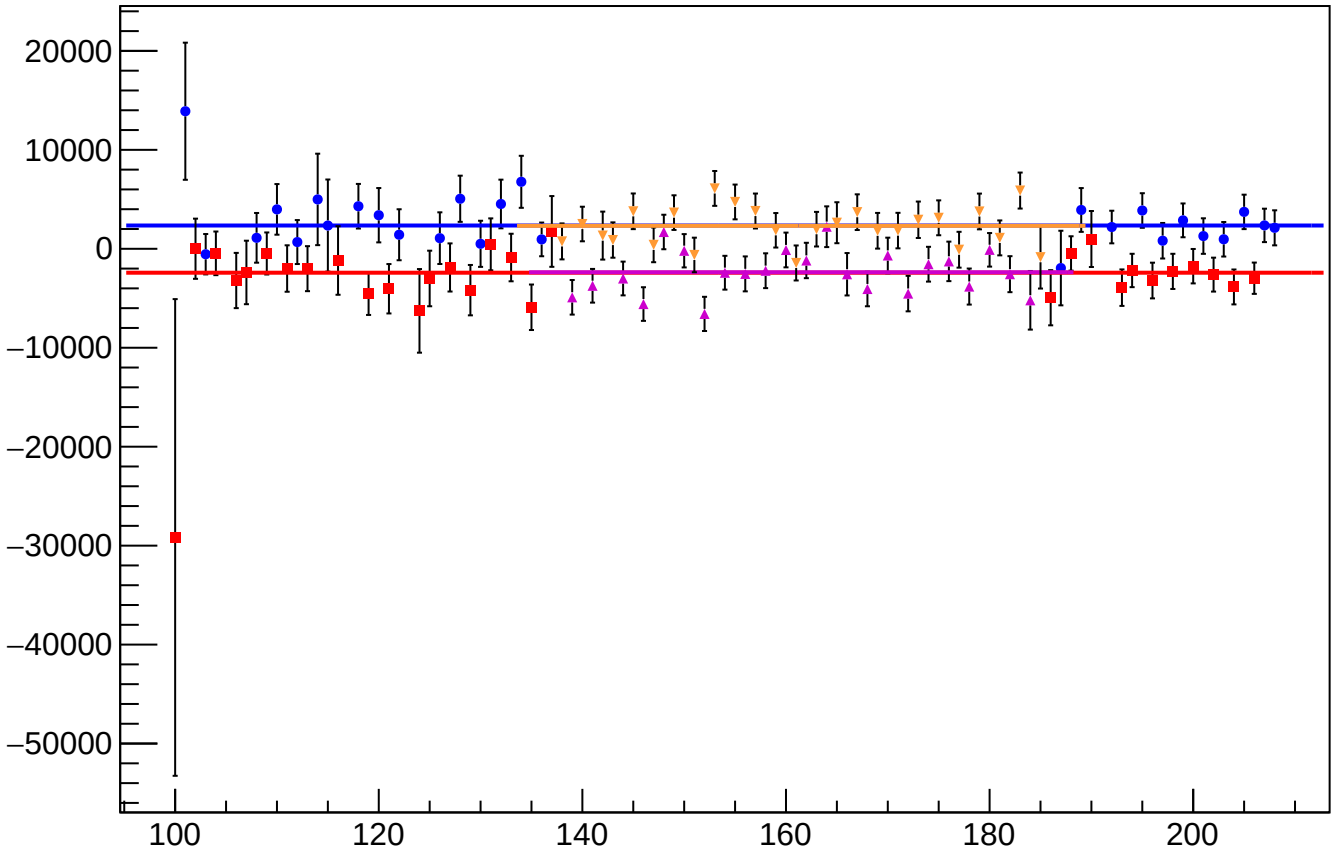
+ sign 141.779+/-0.020 χ^2/NDF: 17245933.2/50

All: 133.554+/-0.014 χ^2/NDF: 37387947.5/10

- sign 126.606+/-0.019 χ^2/NDF: 19839991.7/52


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.1/26
Left Out: 0.000+/-0.000 χ²/NDF:10.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 38.4/29
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 36.6/50
All: -0.000+/-0.000 χ²/NDF: 107.8/103
- sign -0.000+/-0.000 χ²/NDF: 69.3/52


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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5909801.9/26
Left Out: 0.000+/-0.000 χ²/NDF:4983727.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 5522845.9/29
Left In: 0.000+/-0.000 χ²/NDF:4577795.4/22
+ sign 0.000+/-0.000 χ²/NDF: 13046676.2/50
All: 0.000+/-0.000 χ²/NDF: 24811936.7/103
- sign 0.000+/-0.000 χ²/NDF: 11757127.3/52



Right In: 2353.283+/-415.977 χ^2/NDF: 18.9/26

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2417.162+/-410.230 χ^2/NDF: 17.2/29

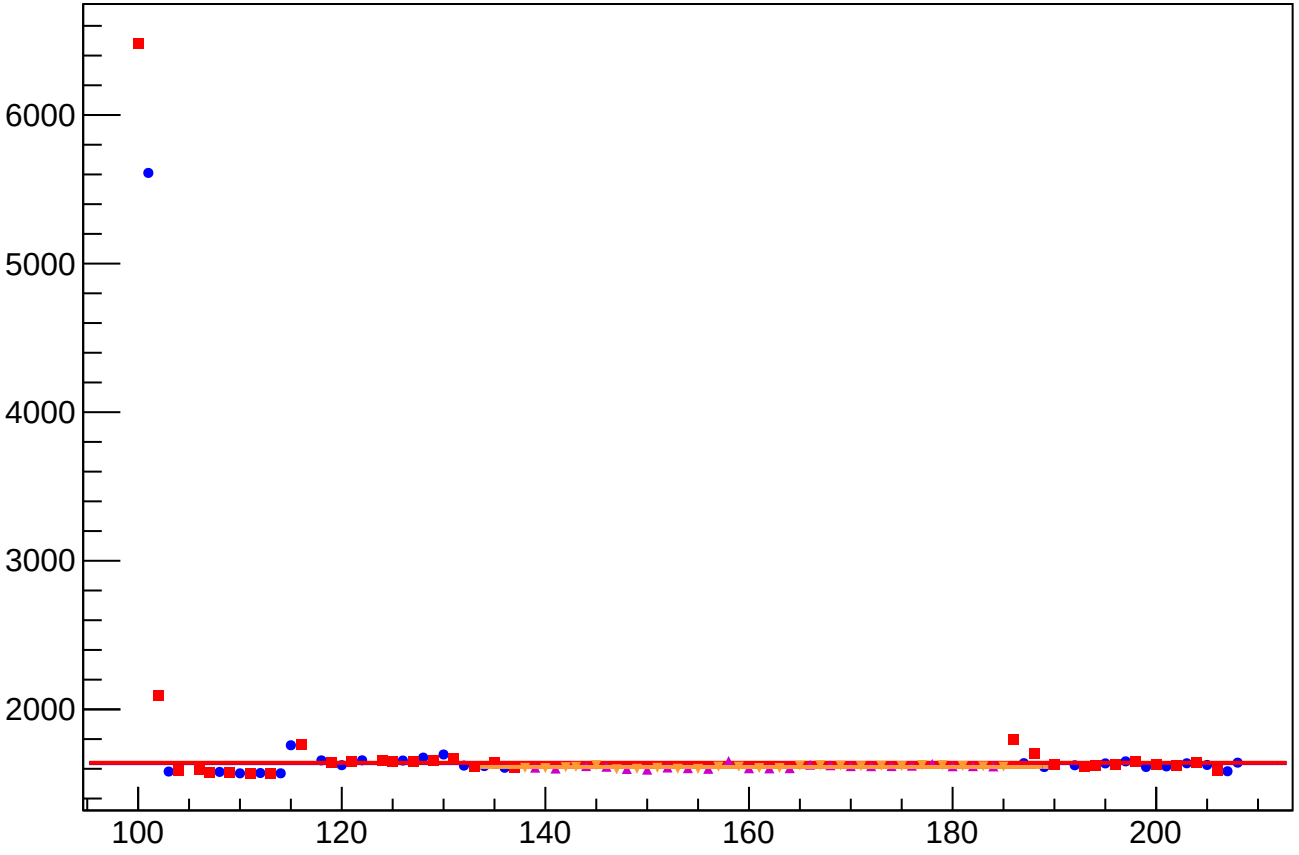
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2335.137+/-274.908 χ^2/NDF: 46.4/51

All: -6.179+/-195.301 χ^2/NDF: 243.8/104

- sign -2391.922+/-277.504 χ^2/NDF: 51.0/52

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1638.354+/-0.294 χ^2/NDF: 671420.0/26

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1640.469+/-0.290 χ^2/NDF: 148609.9/29

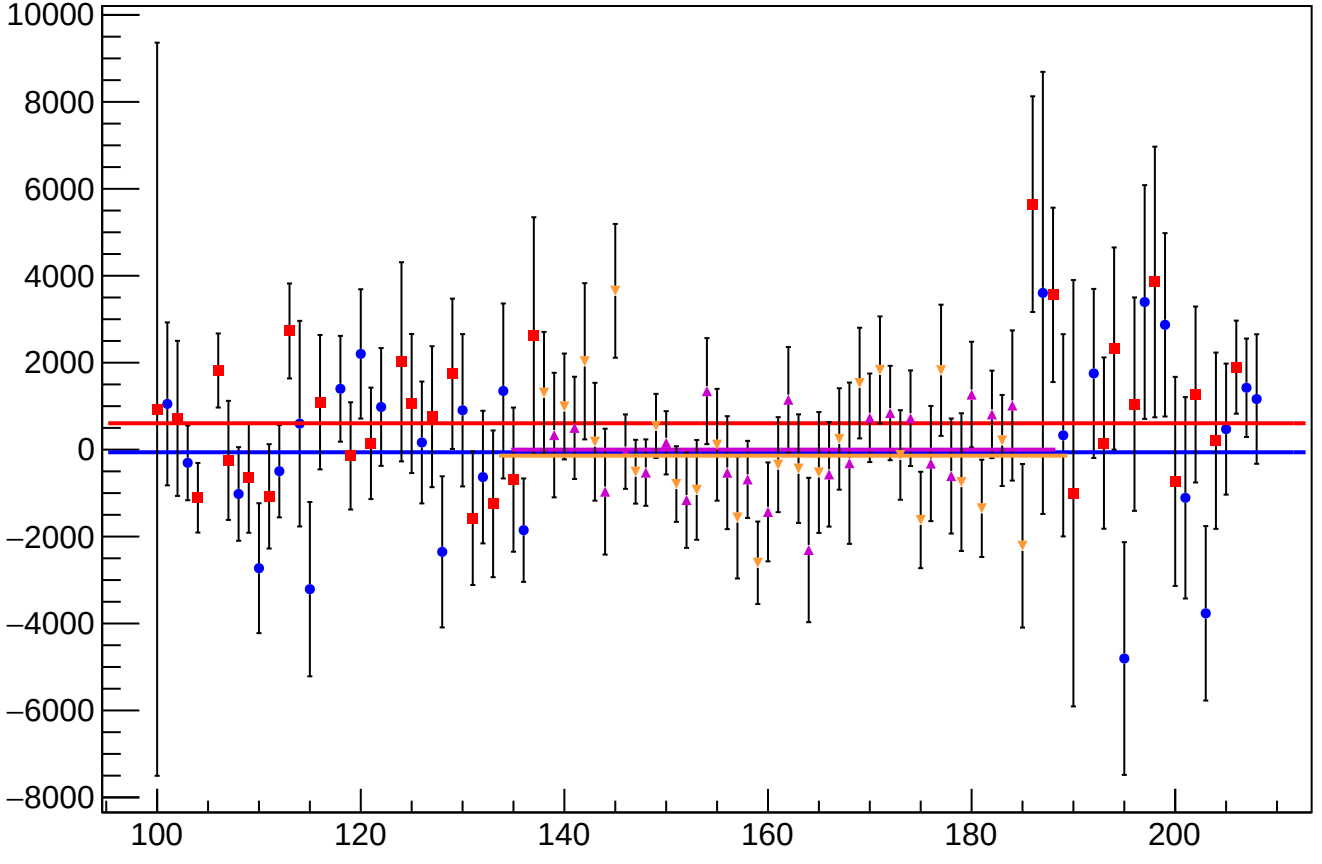
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.852+/-0.194 χ^2/NDF: 676907.9/51

All: 1624.916+/-0.138 χ^2/NDF: 832520.1/104

- sign 1626.000+/-0.196 χ^2/NDF: 155551.7/52

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -60.766+/-293.935 χ^2/NDF: 30.7/26

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 606.692+/-278.362 χ^2/NDF: 29.7/29

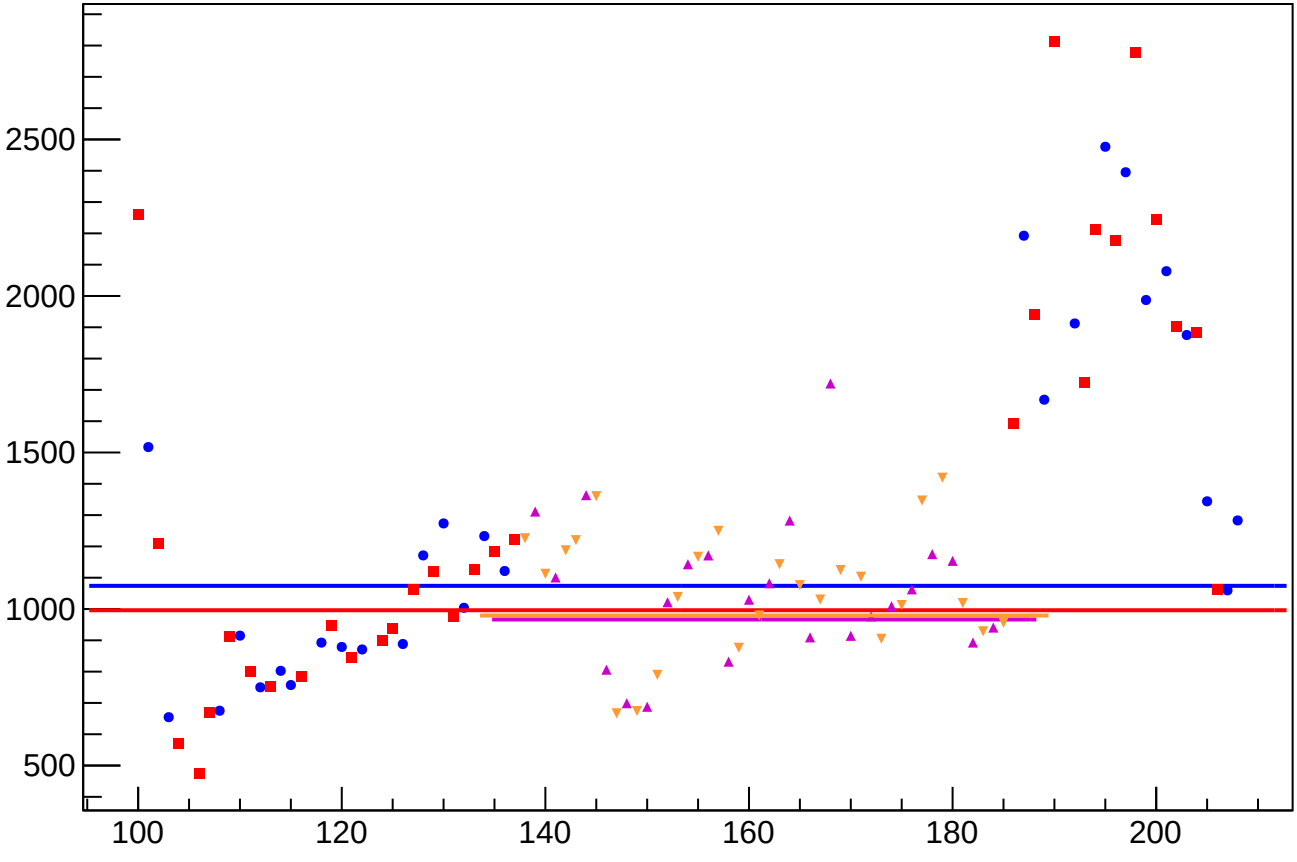
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -109.443+/-180.709 χ^2/NDF: 60.9/51

All: 72.117+/-126.875 χ^2/NDF: 108.2/104

- sign 248.616+/-178.173 χ^2/NDF: 45.3/52

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1074.039+/-0.208 χ^2/NDF: 4163011.6/26

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

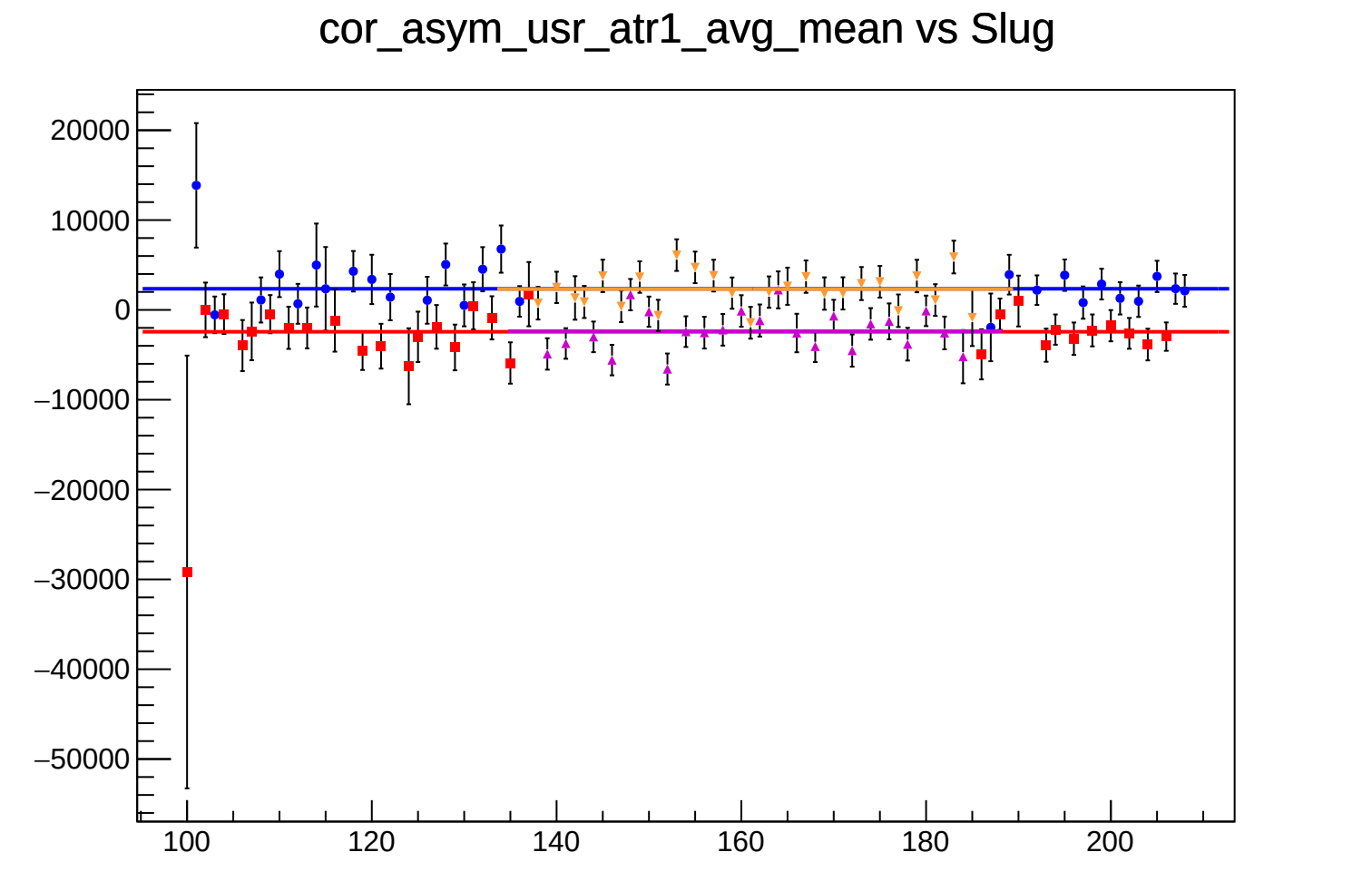
Right Out: 996.099+/-0.197 χ^2/NDF: 5905073.6/29

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 1015.105+/-0.128 χ^2/NDF: 5922891.0/51

All: 996.616+/-0.090 χ^2/NDF: 13485175.9/10

- sign 978.642+/-0.126 χ^2/NDF: 7520995.5/52



Right In: 2353.051+/-415.977 χ^2/NDF: 18.9/26

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2432.615+/-410.382 χ^2/NDF: 17.5/29

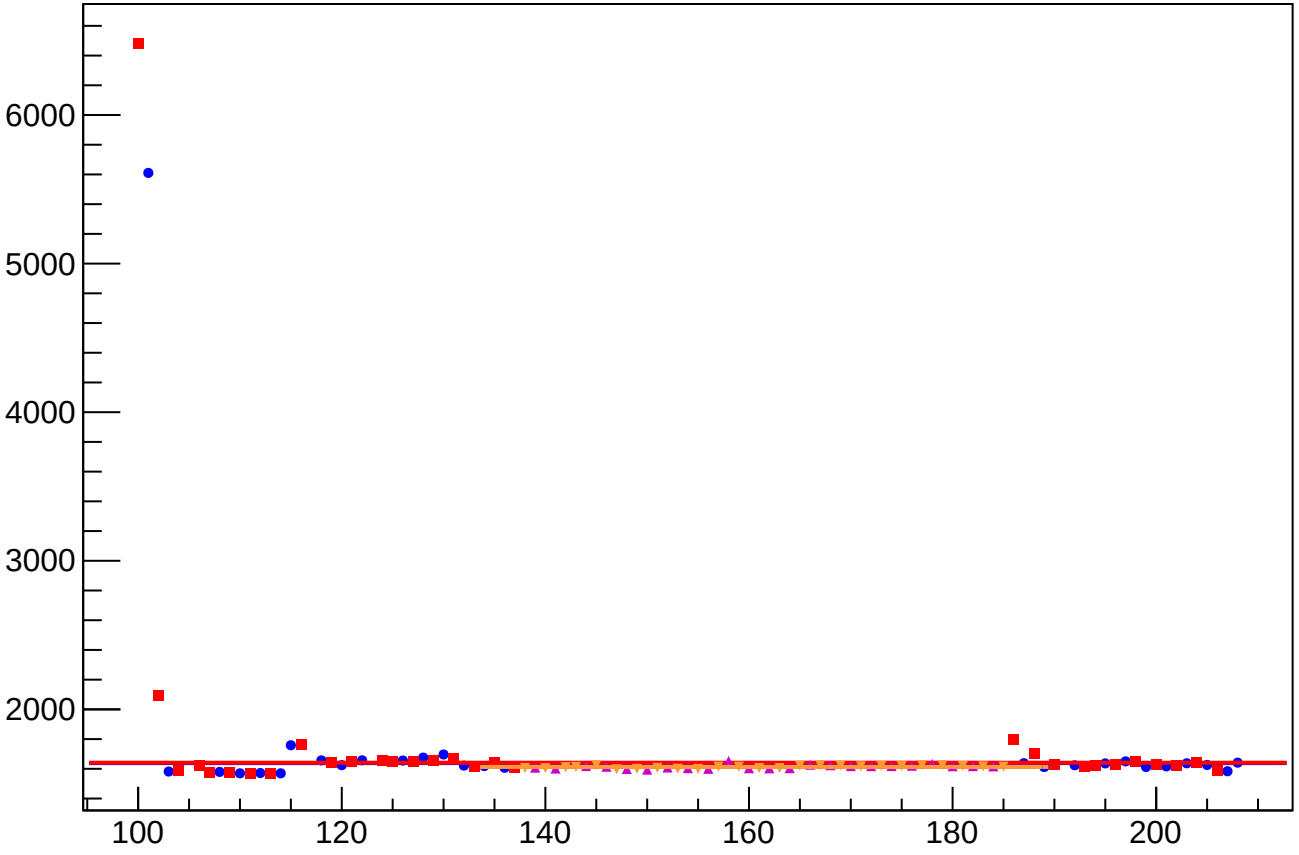
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2335.012+/-274.908 χ^2/NDF: 46.4/51

All: -9.356+/-195.317 χ^2/NDF: 244.4/104

- sign -2399.021+/-277.551 χ^2/NDF: 51.2/52

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1638.354+/-0.294 χ^2/NDF: 671419.5/26

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1641.057+/-0.290 χ^2/NDF: 148141.6/29

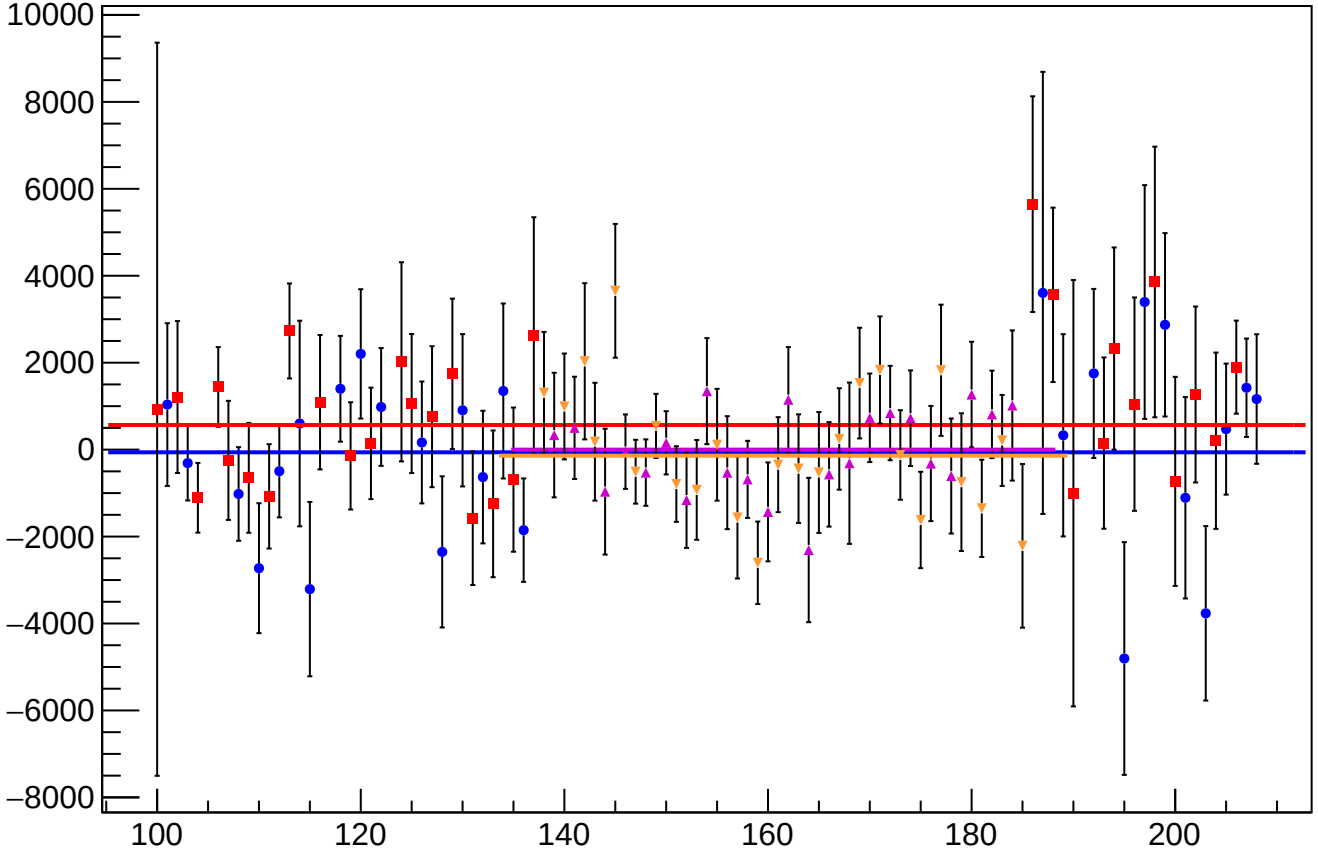
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.852+/-0.194 χ^2/NDF: 676907.4/51

All: 1625.047+/-0.138 χ^2/NDF: 832269.6/104

- sign 1626.264+/-0.196 χ^2/NDF: 155285.9/52

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -61.771+/-293.906 χ^2/NDF: 30.7/26

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 566.424+/-280.307 χ^2/NDF: 28.5/29

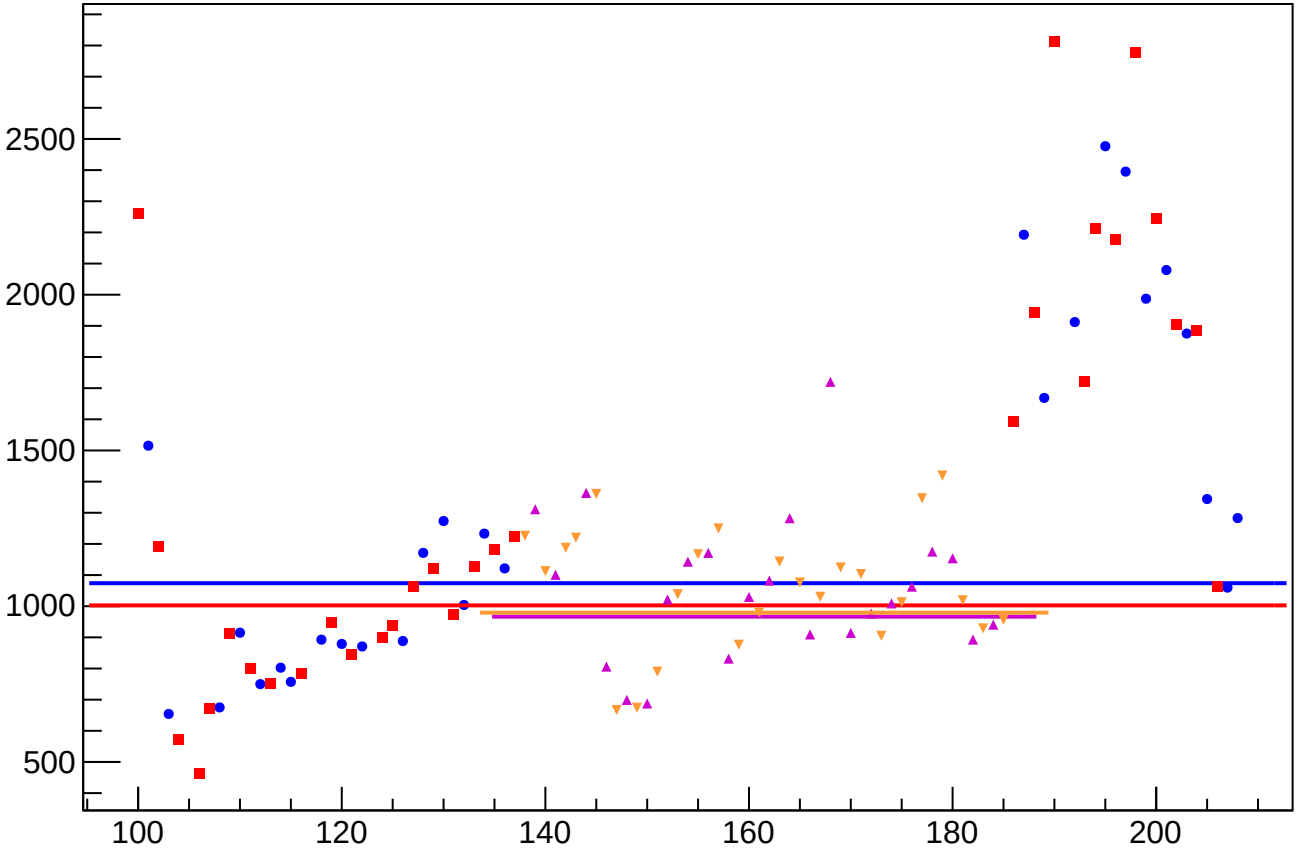
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -109.852+/-180.702 χ^2/NDF: 60.9/51

All: 62.087+/-127.055 χ^2/NDF: 106.5/104

- sign 230.200+/-178.681 χ^2/NDF: 43.8/52

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 1073.930+/-0.208 χ^2/NDF: 4163562.5/26

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

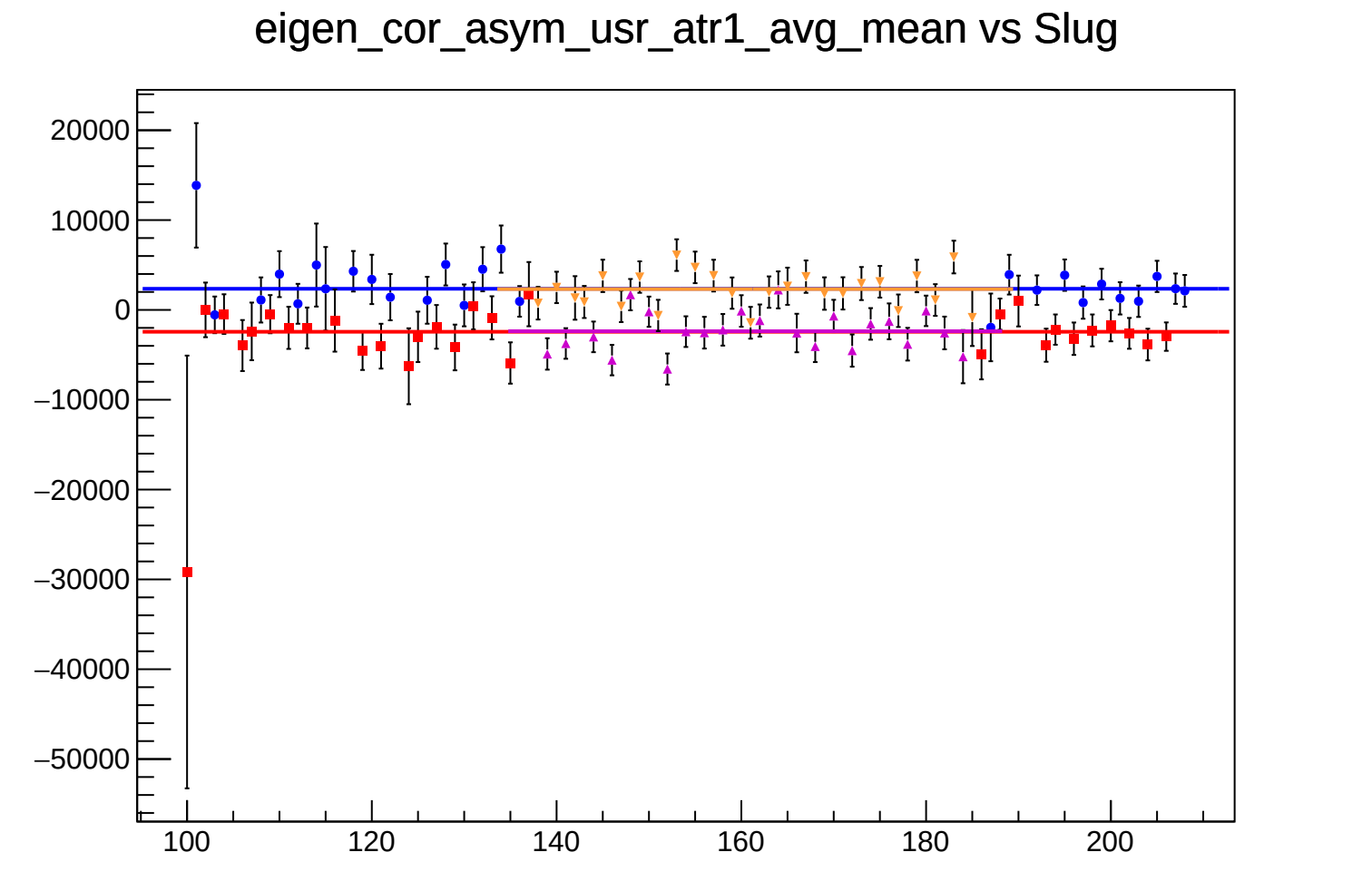
Right Out: 1002.664+/-0.198 χ^2/NDF: 5823541.7/29

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

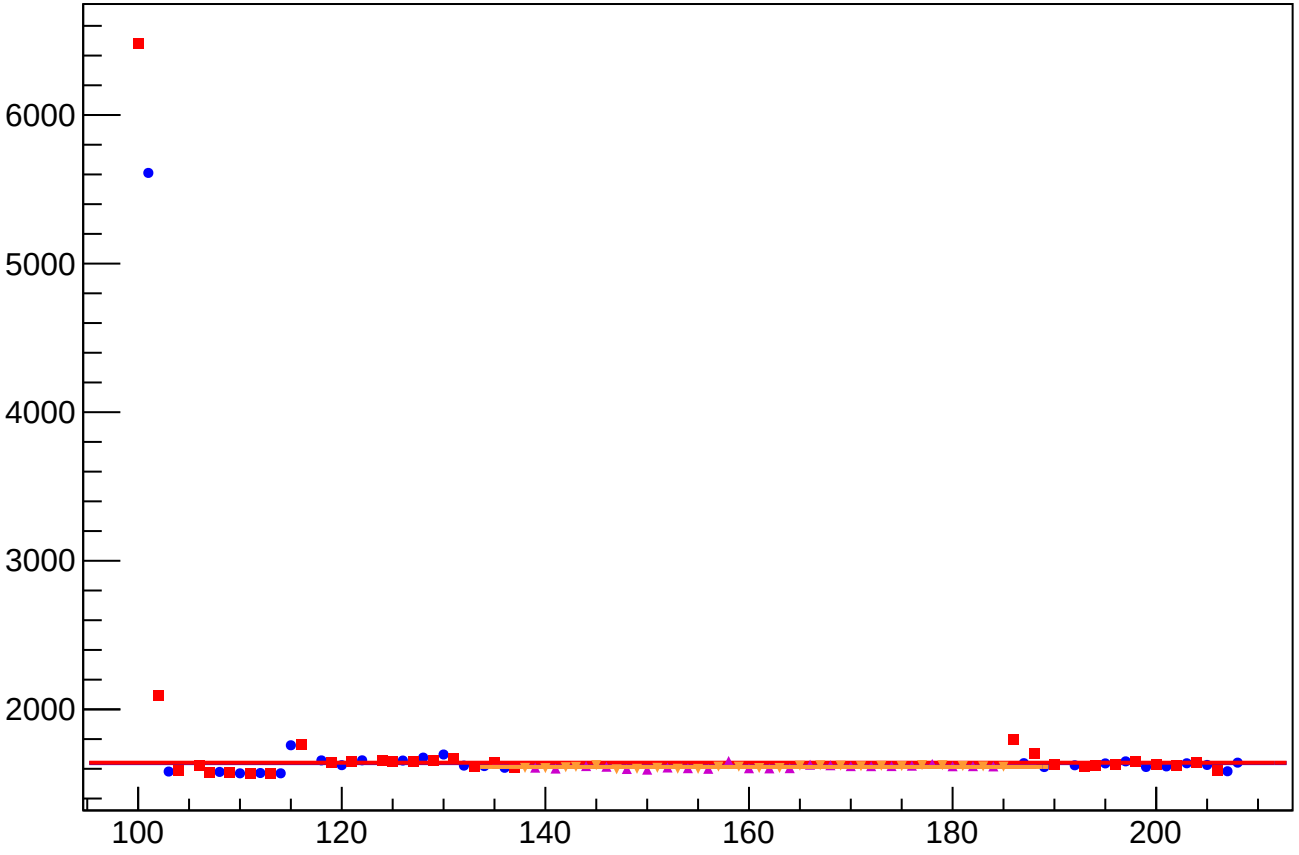
+ sign 1015.064+/-0.128 χ^2/NDF: 5923285.3/51

All: 997.949+/-0.090 χ^2/NDF: 13404605.2/10

- sign 981.214+/-0.126 χ^2/NDF: 7445833.2/52


eigen_cor_asym_usr_atr1_avg_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 2353.051+/-415.977 χ²/NDF: 18.9/26
Left Out: 2321.025+/-366.301 χ²/NDF:27.5/24
Right Out: -2432.615+/-410.382 χ²/NDF: 17.5/29
Left In: -2370.700+/-376.798 χ²/NDF:33.7/22
+ sign 2335.012+/-274.908 χ²/NDF: 46.4/51
All: -9.356+/-195.317 χ²/NDF: 244.4/104
- sign -2399.021+/-277.551 χ²/NDF: 51.2/52

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1638.354+/-0.294 χ^2/NDF: 671419.5/26

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

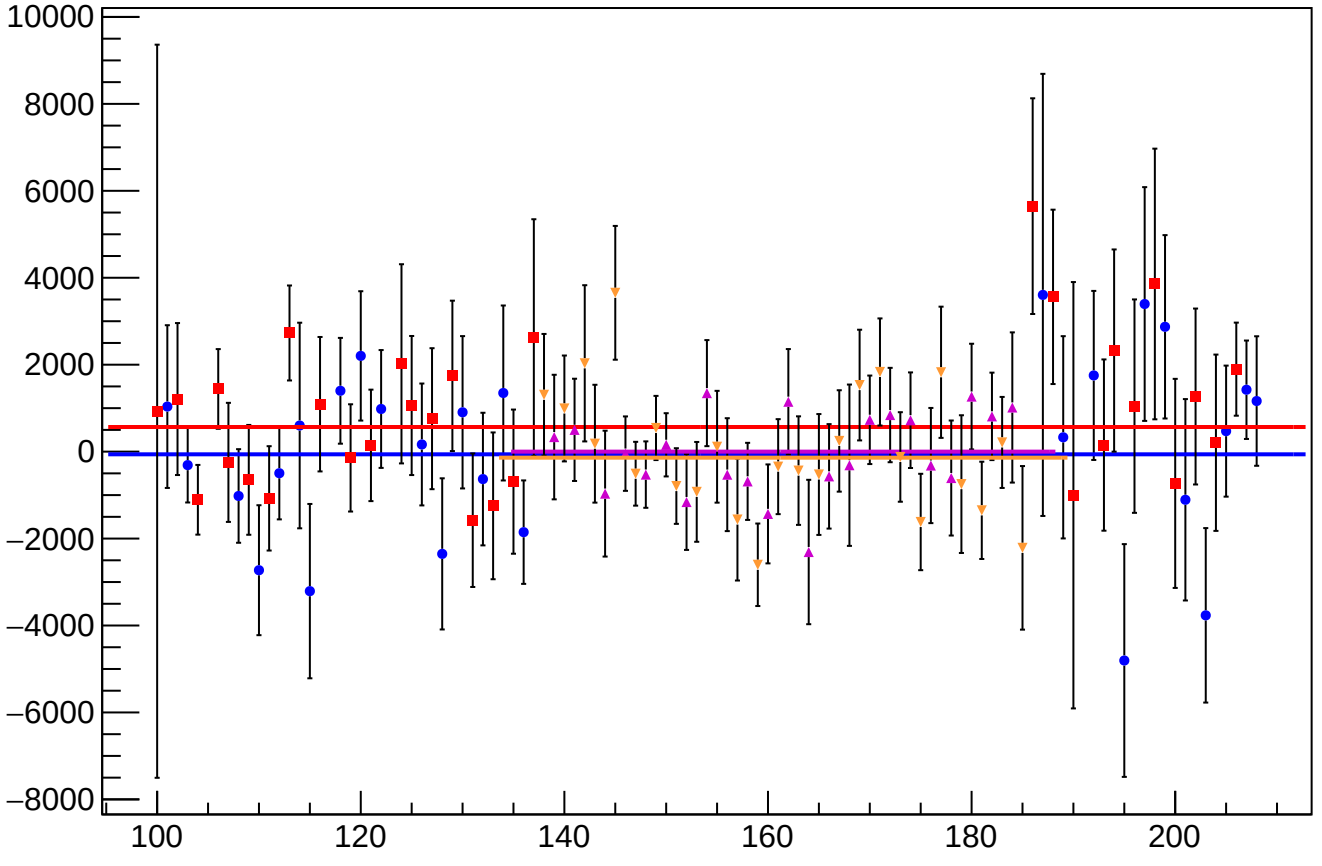
Right Out: 1641.057+/-0.290 χ^2/NDF: 148141.6/29

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.852+/-0.194 χ^2/NDF: 676907.4/51

All: 1625.047+/-0.138 χ^2/NDF: 832269.6/104

- sign 1626.264+/-0.196 χ^2/NDF: 155285.9/52



Right In: -61.771+/-293.906 χ^2/NDF: 30.7/26

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

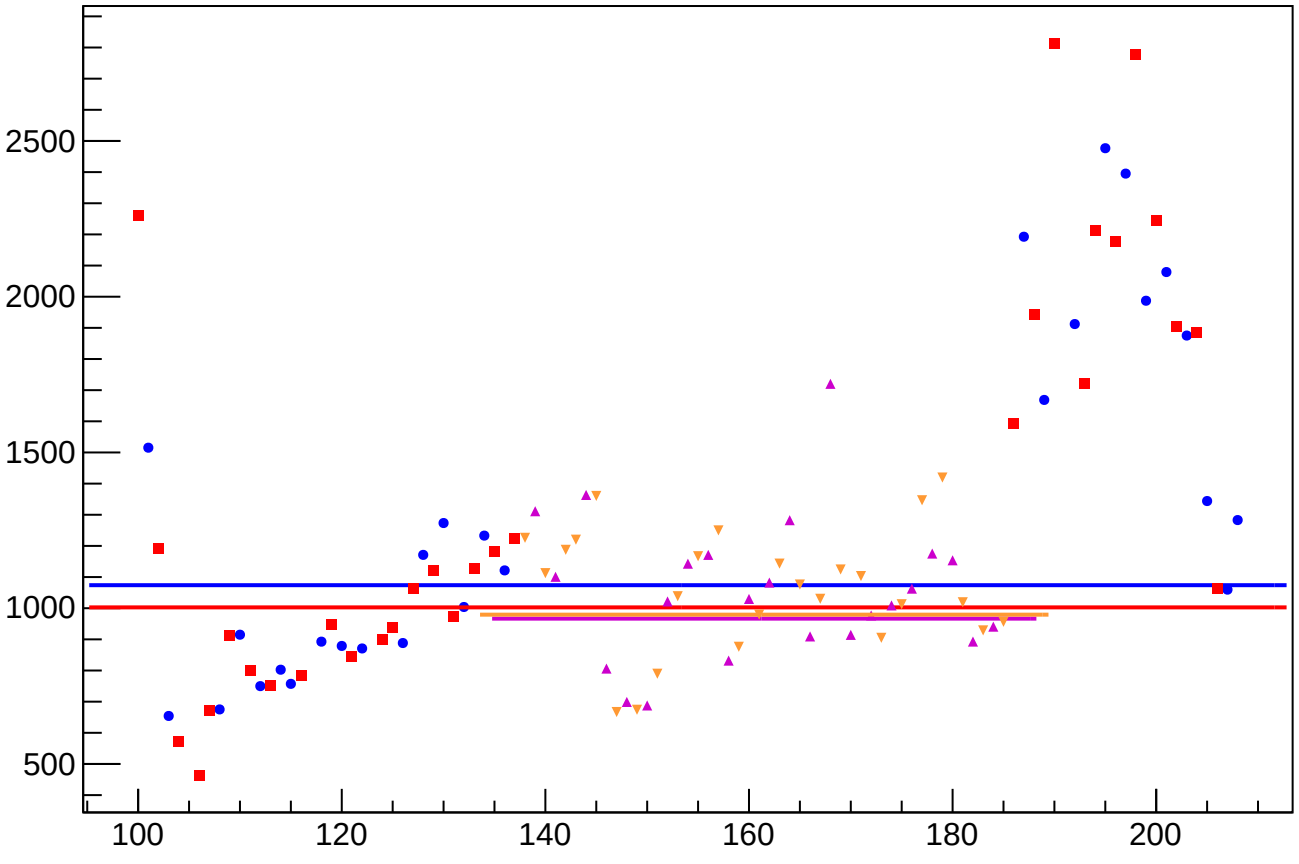
Right Out: 566.424+/-280.307 χ^2/NDF: 28.5/29

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -109.852+/-180.702 χ^2/NDF: 60.9/51

All: 62.087+/-127.055 χ^2/NDF: 106.5/104

\- sign 230.200+/-178.681 χ^2/NDF: 43.8/52



Right In: 1073.930+/-0.208 χ^2/NDF: 4163562.5/26

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1002.664+/-0.198 χ^2/NDF: 5823541.7/29

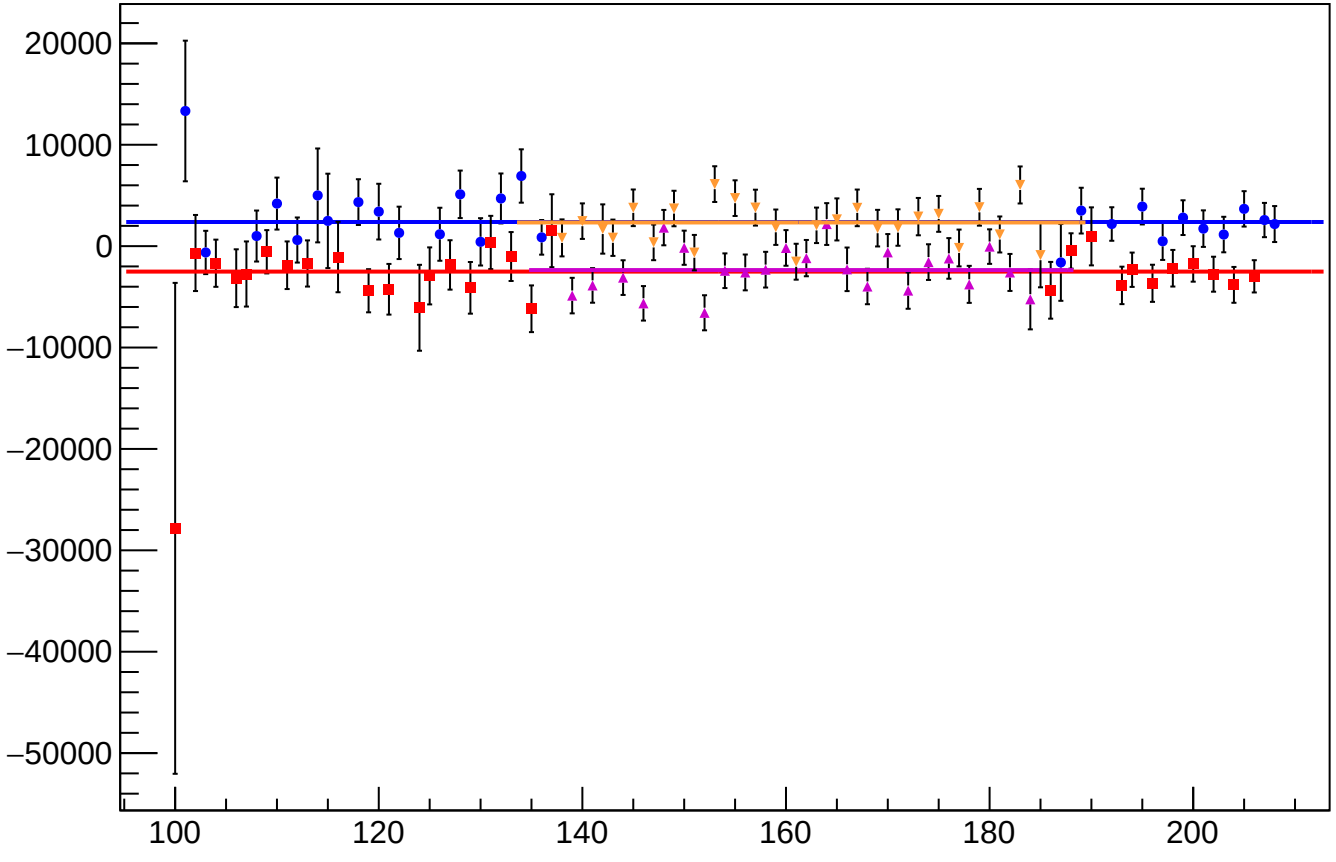
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1015.064+/-0.128 χ^2/NDF: 5923285.3/51

All: 997.949+/-0.090 χ^2/NDF: 13404605.2/10

- sign 981.214+/-0.126 χ^2/NDF: 7445833.2/52

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2381.878+/-418.537 χ^2/NDF: 18.7/26

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2510.120+/-414.247 χ^2/NDF: 15.7/29

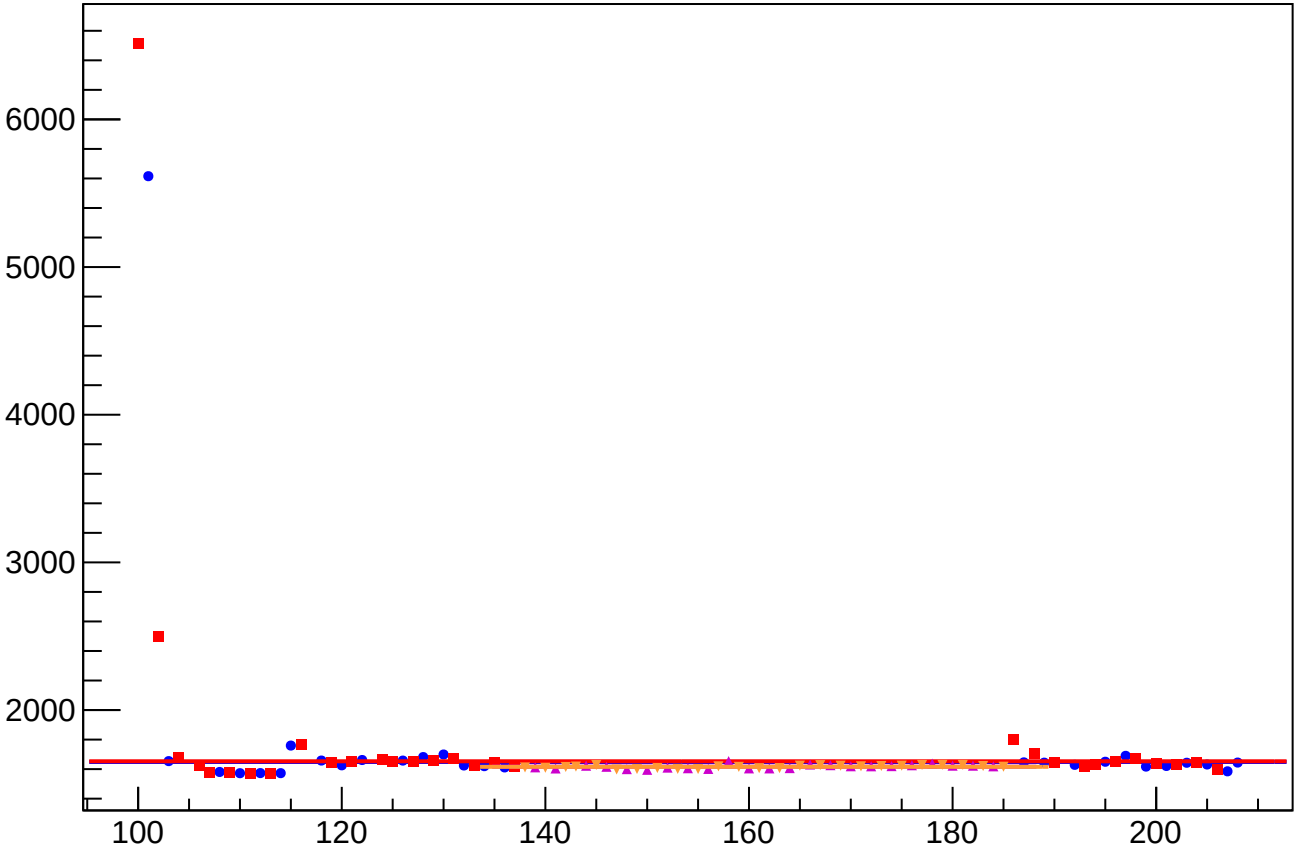
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2355.286+/-275.937 χ^2/NDF: 46.9/51

All: -10.237+/-196.184 χ^2/NDF: 245.3/104

- sign -2428.246+/-278.981 χ^2/NDF: 49.8/52

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1648.328+/-0.296 χ^2/NDF: 669971.1/26

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1653.053+/-0.293 χ^2/NDF: 205255.3/29

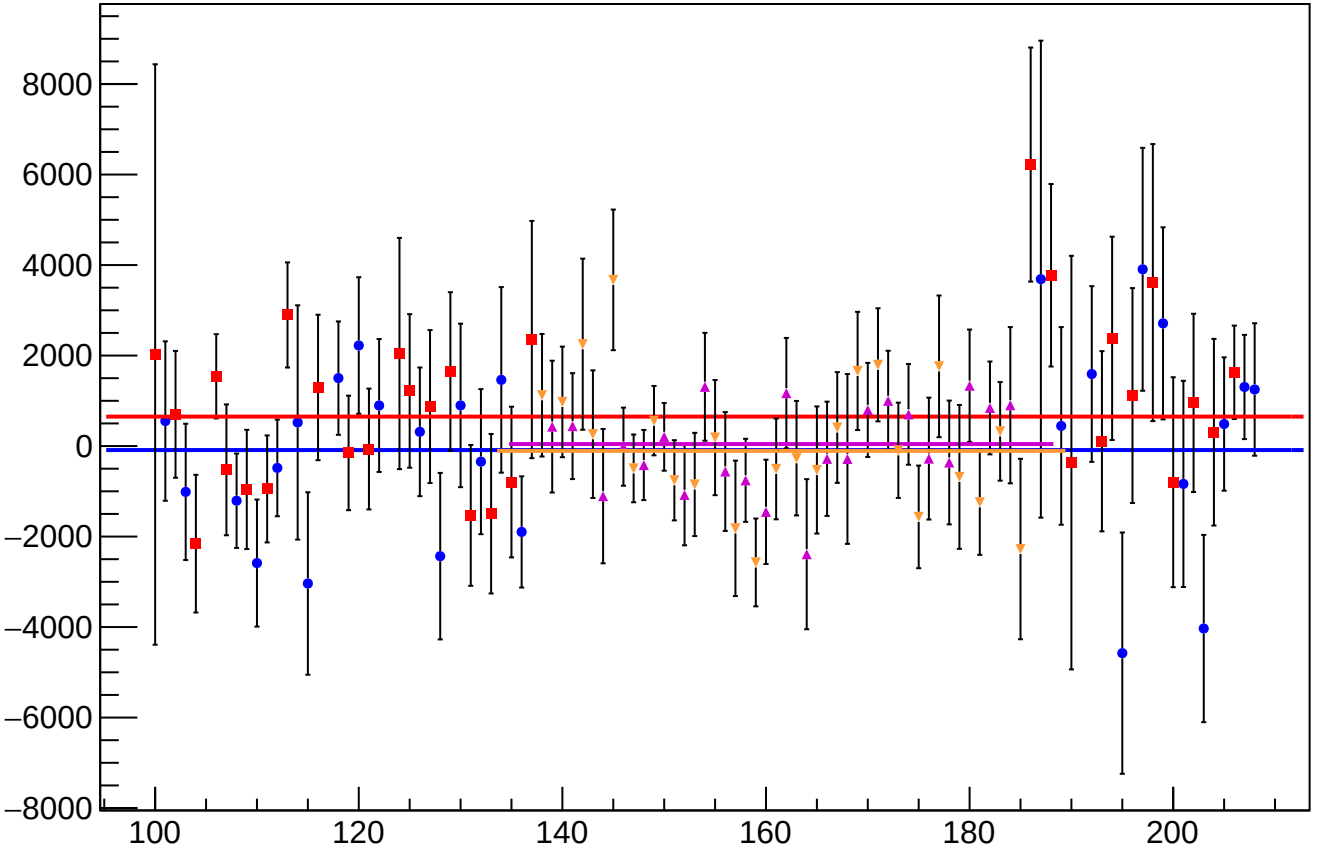
Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1629.844+/-0.195 χ^2/NDF: 678318.0/51

All: 1631.406+/-0.139 χ^2/NDF: 894835.1/104

- sign 1633.003+/-0.197 χ^2/NDF: 216387.5/52

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -88.430+/-308.520 χ^2/NDF: 30.6/26

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 650.859+/-295.994 χ^2/NDF: 28.4/29

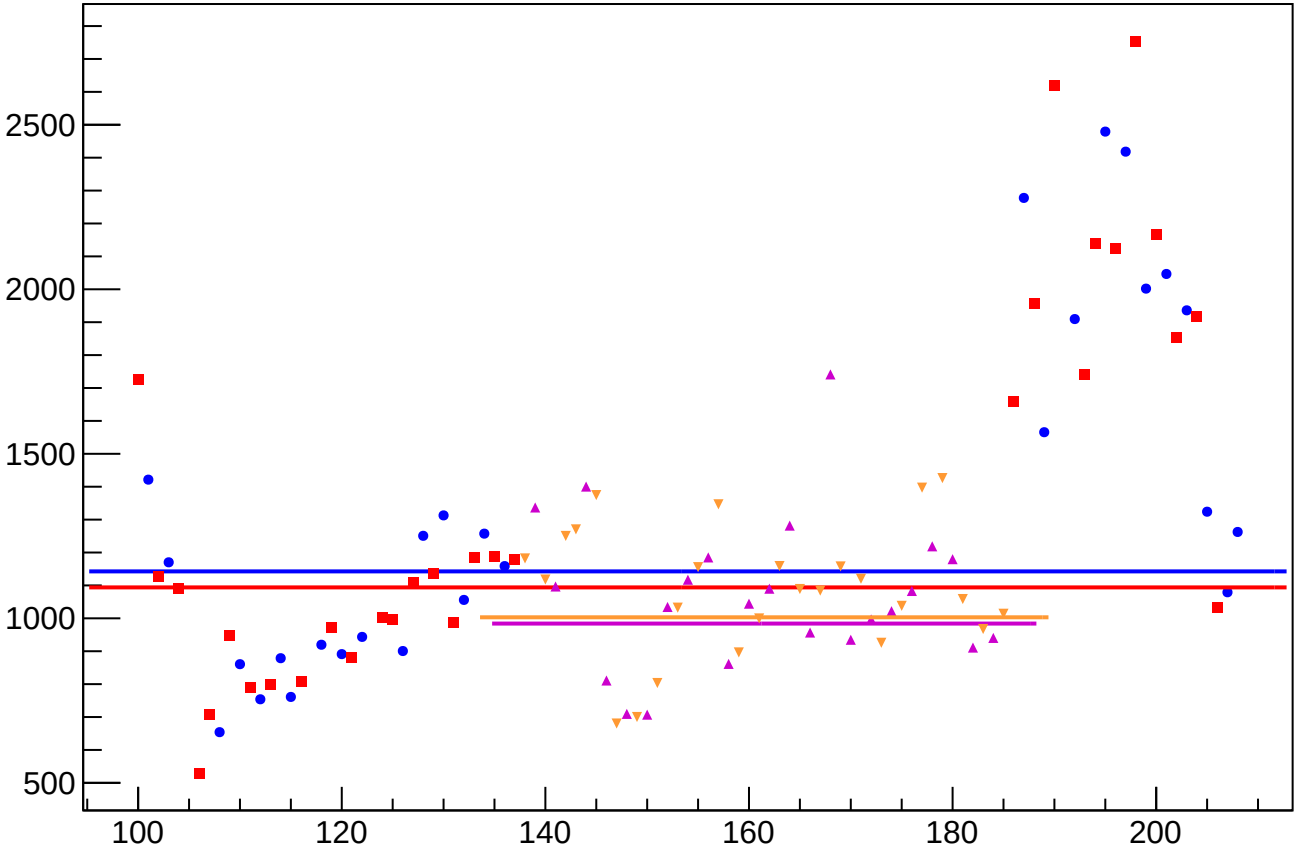
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

\+ sign -99.787+/-186.595 χ^2/NDF: 59.7/51

All: 92.259+/-131.159 χ^2/NDF: 105.5/104

\- sign 279.812+/-184.399 χ^2/NDF: 43.7/52

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1142.656+/-0.218 χ^2/NDF: 3598915.8/26

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1093.989+/-0.209 χ^2/NDF: 4698697.3/29

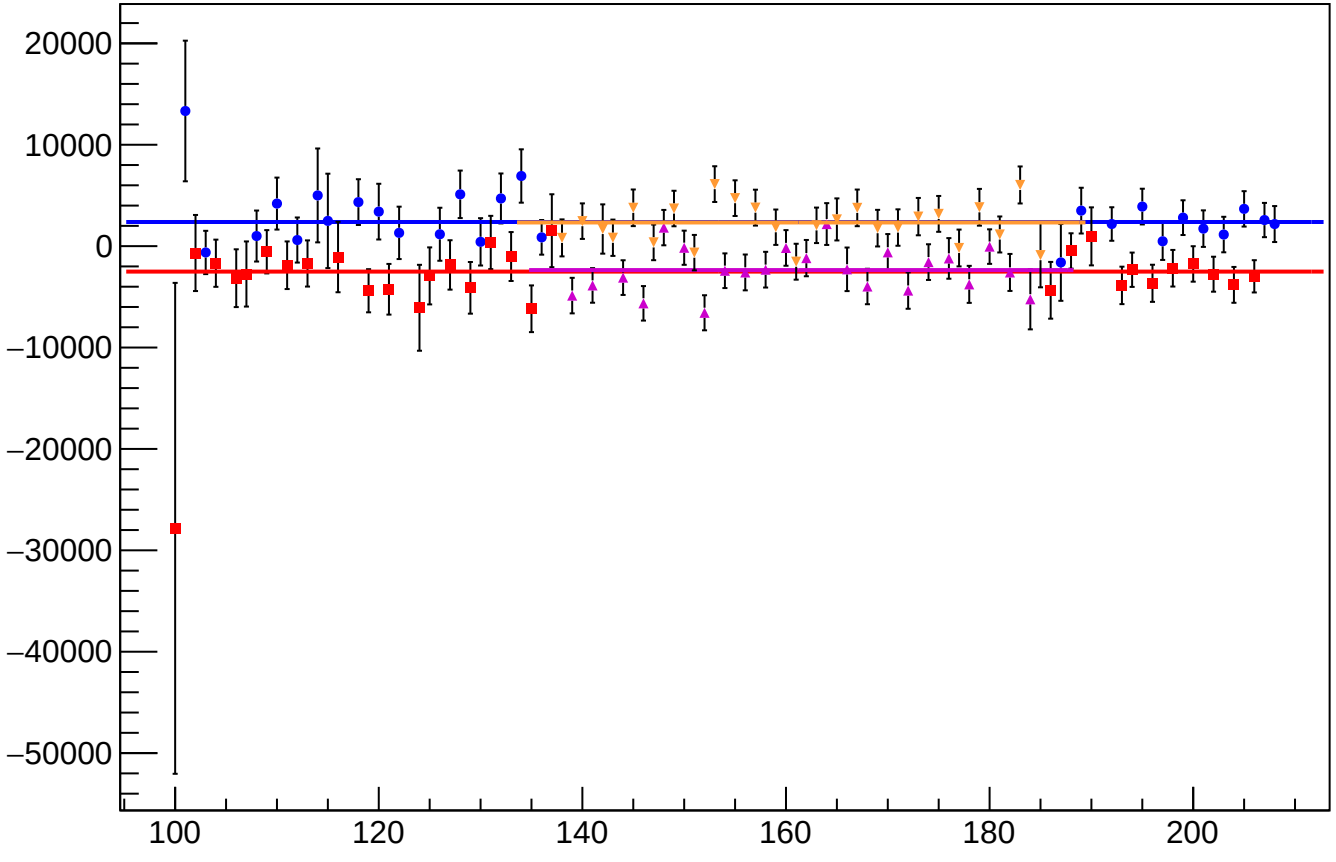
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1054.149+/-0.132 χ^2/NDF: 5456859.7/51

All: 1040.272+/-0.093 χ^2/NDF: 11905798.9/1

- sign 1026.720+/-0.130 χ^2/NDF: 6427075.5/52

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2381.879+/-418.537 χ^2/NDF: 18.7/26

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2510.118+/-414.247 χ^2/NDF: 15.7/29

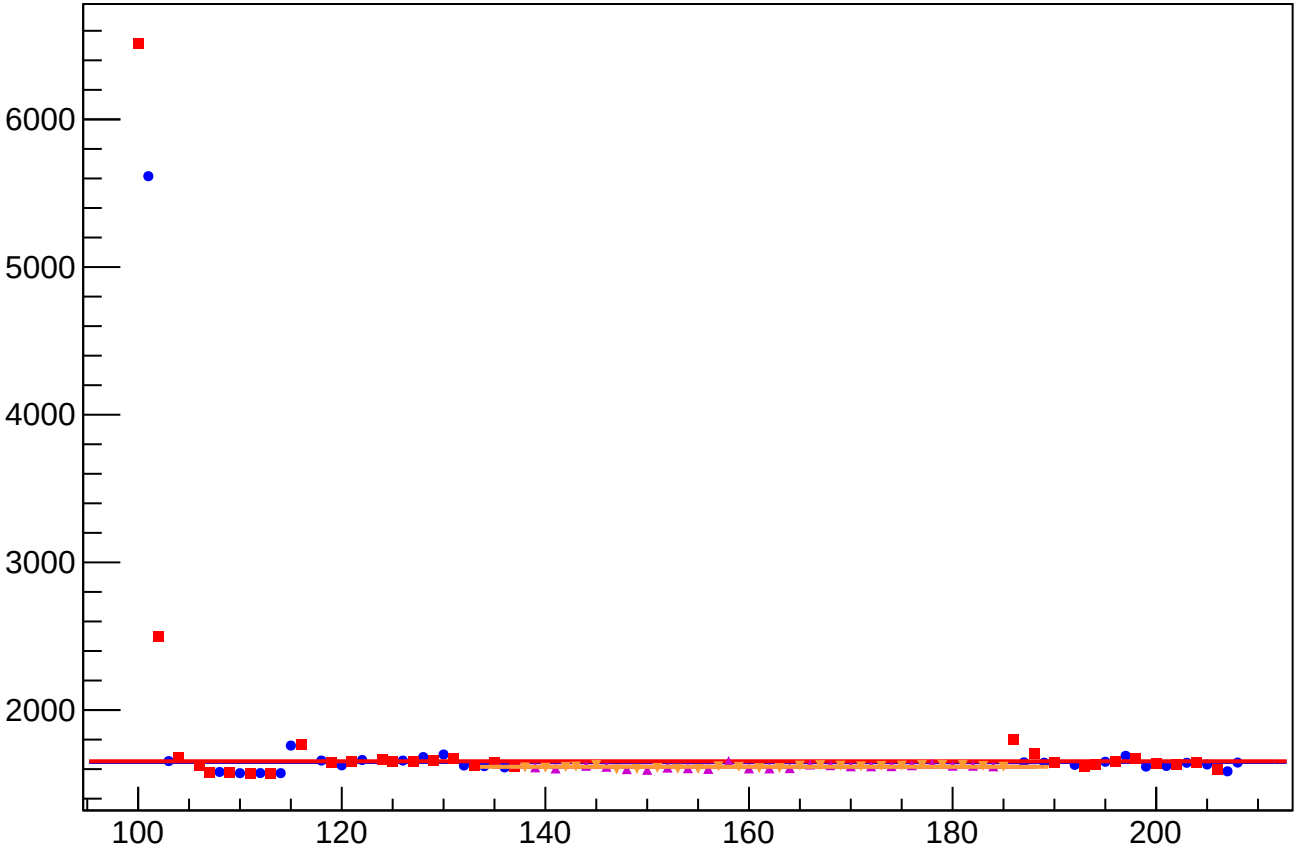
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2355.286+/-275.937 χ^2/NDF: 46.9/51

All: -10.237+/-196.184 χ^2/NDF: 245.3/104

- sign -2428.245+/-278.981 χ^2/NDF: 49.8/52

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1648.328+/-0.296 χ^2/NDF: 669971.1/26

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

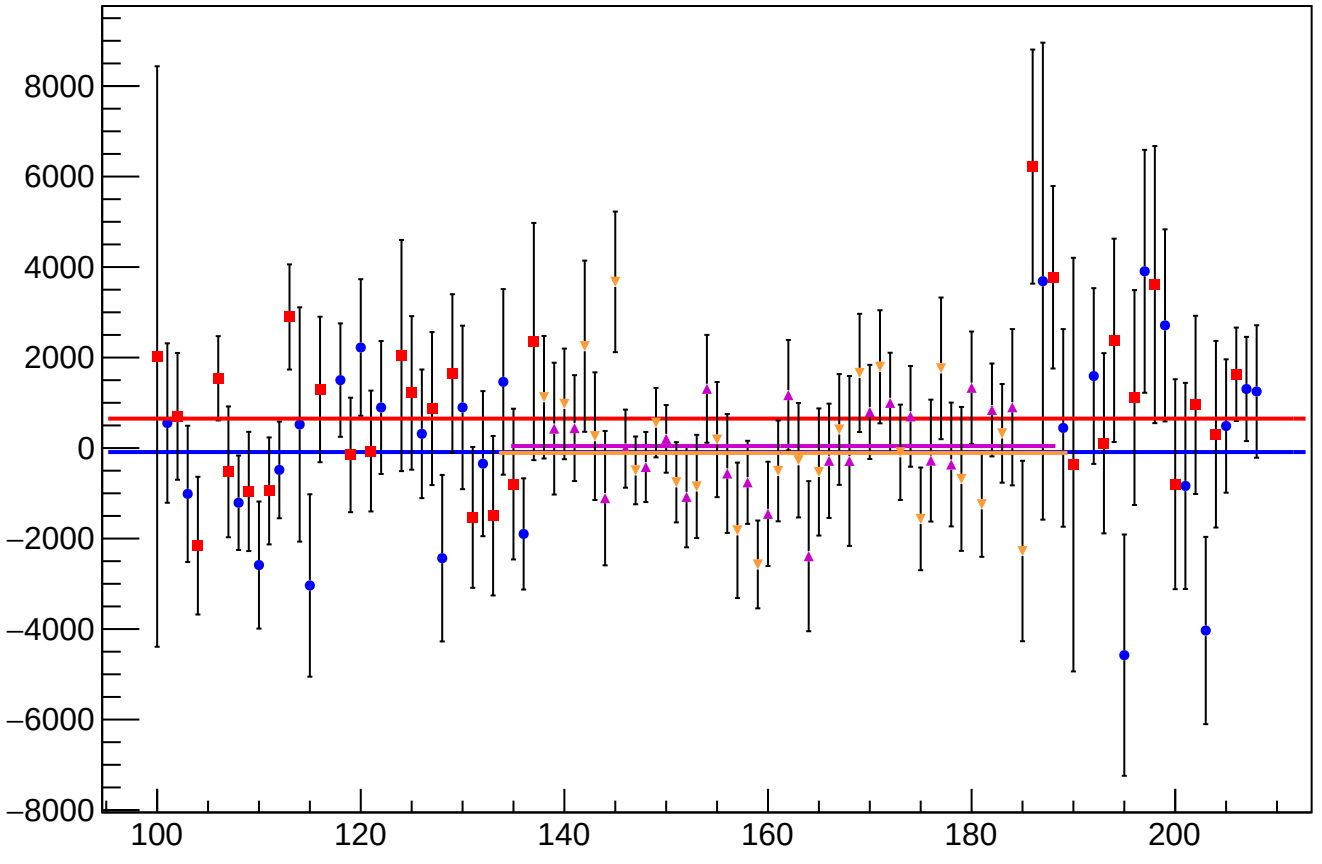
Right Out: 1653.053+/-0.293 χ^2/NDF: 205255.2/29

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1629.844+/-0.195 χ^2/NDF: 678318.0/51

All: 1631.406+/-0.139 χ^2/NDF: 894834.9/104

- sign 1633.003+/-0.197 χ^2/NDF: 216387.3/52



Right In: -88.430+/-308.519 χ^2/NDF: 30.6/26

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

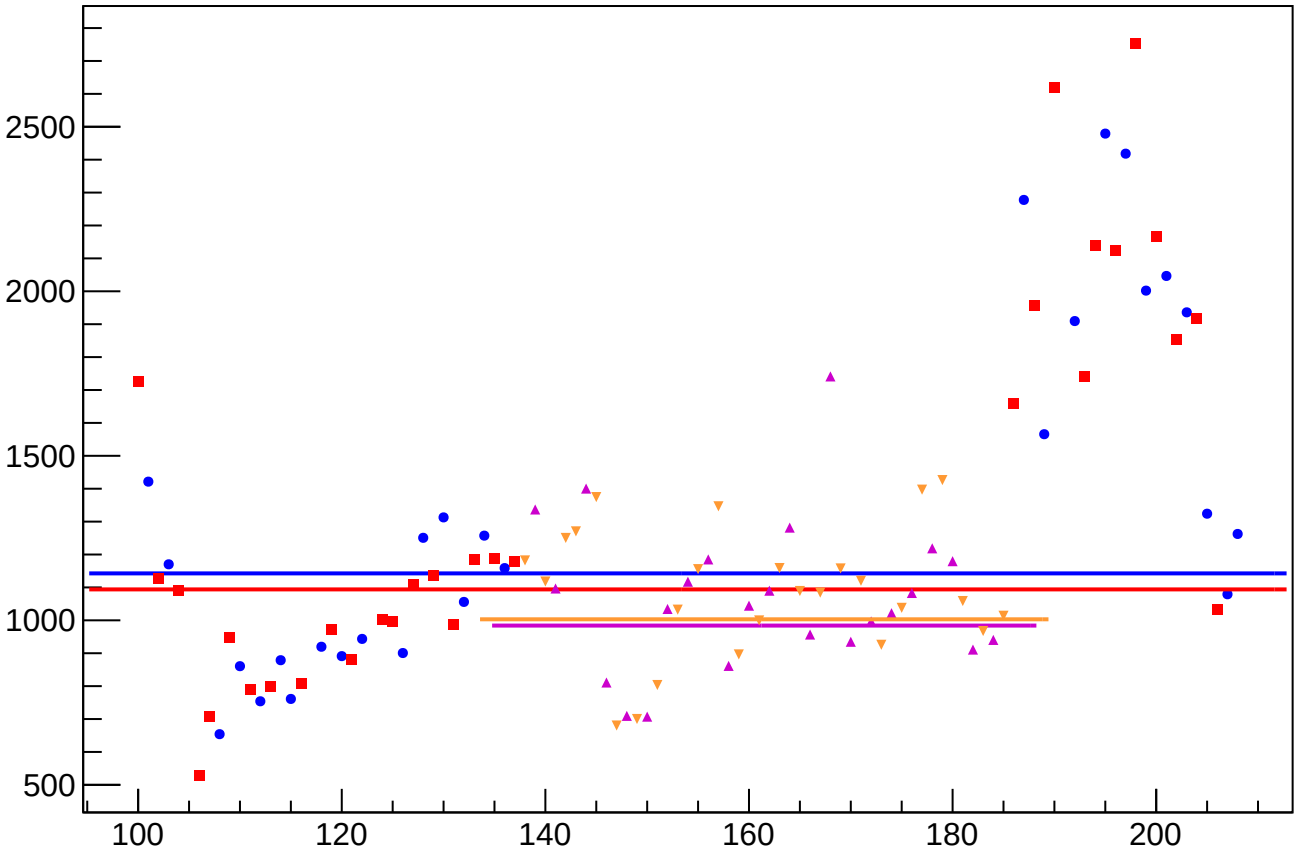
Right Out: 650.856+/-295.993 χ^2/NDF: 28.4/29

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -99.789+/-186.595 χ^2/NDF: 59.7/51

All: 92.259+/-131.159 χ^2/NDF: 105.5/104

- sign 279.812+/-184.399 χ^2/NDF: 43.7/52



Right In: 1142.653+/-0.218 χ^2/NDF: 3598958.4/26

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1093.986+/-0.209 χ^2/NDF: 4698726.1/29

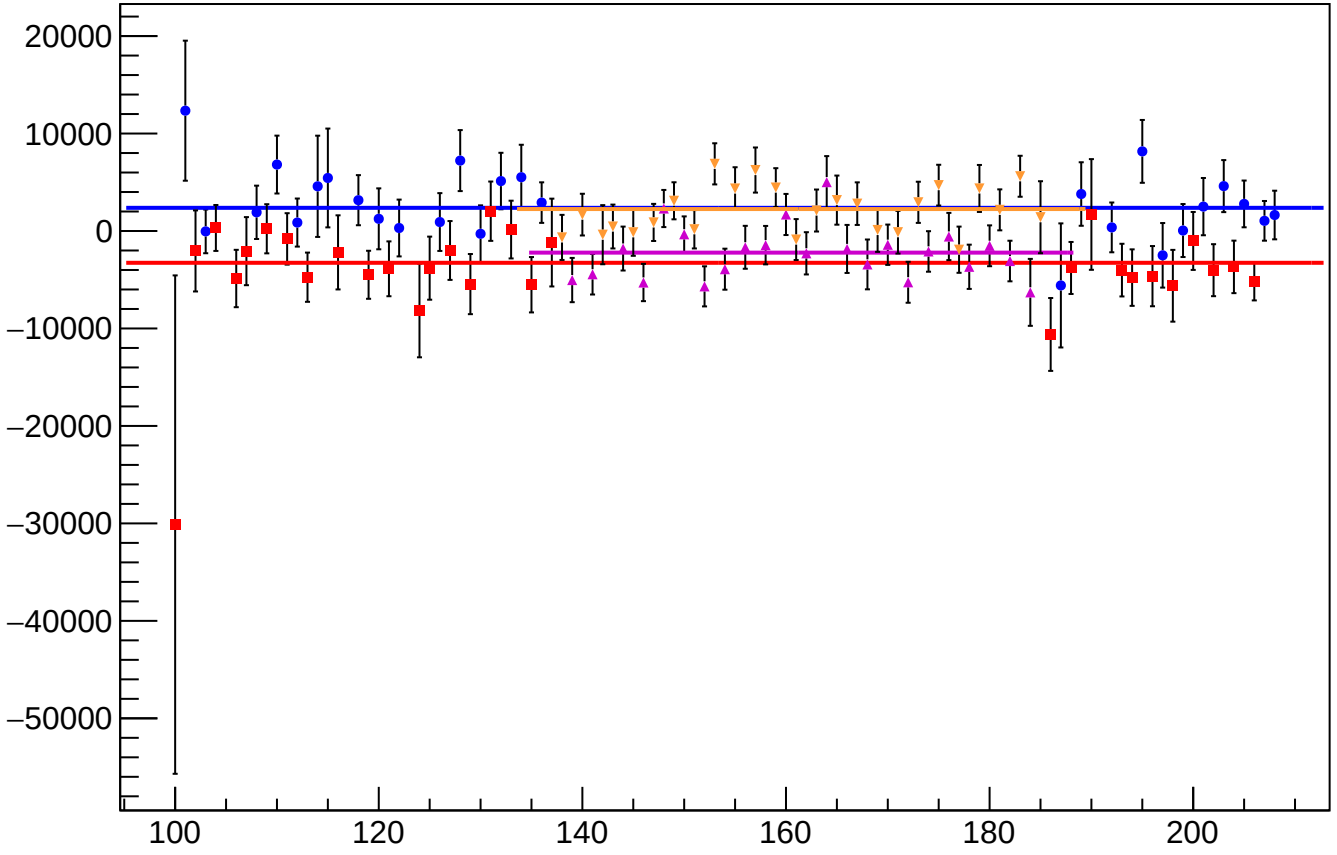
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1054.149+/-0.132 χ^2/NDF: 5456885.2/51

All: 1040.273+/-0.093 χ^2/NDF: 11905841.5/1

- sign 1026.720+/-0.130 χ^2/NDF: 6427092.6/52

asym_usr_atr1_avg_mean vs Slug



Right In: 2377.851+/-552.377 χ^2/NDF: 22.1/26

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -3262.533+/-547.049 χ^2/NDF: 21.6/29

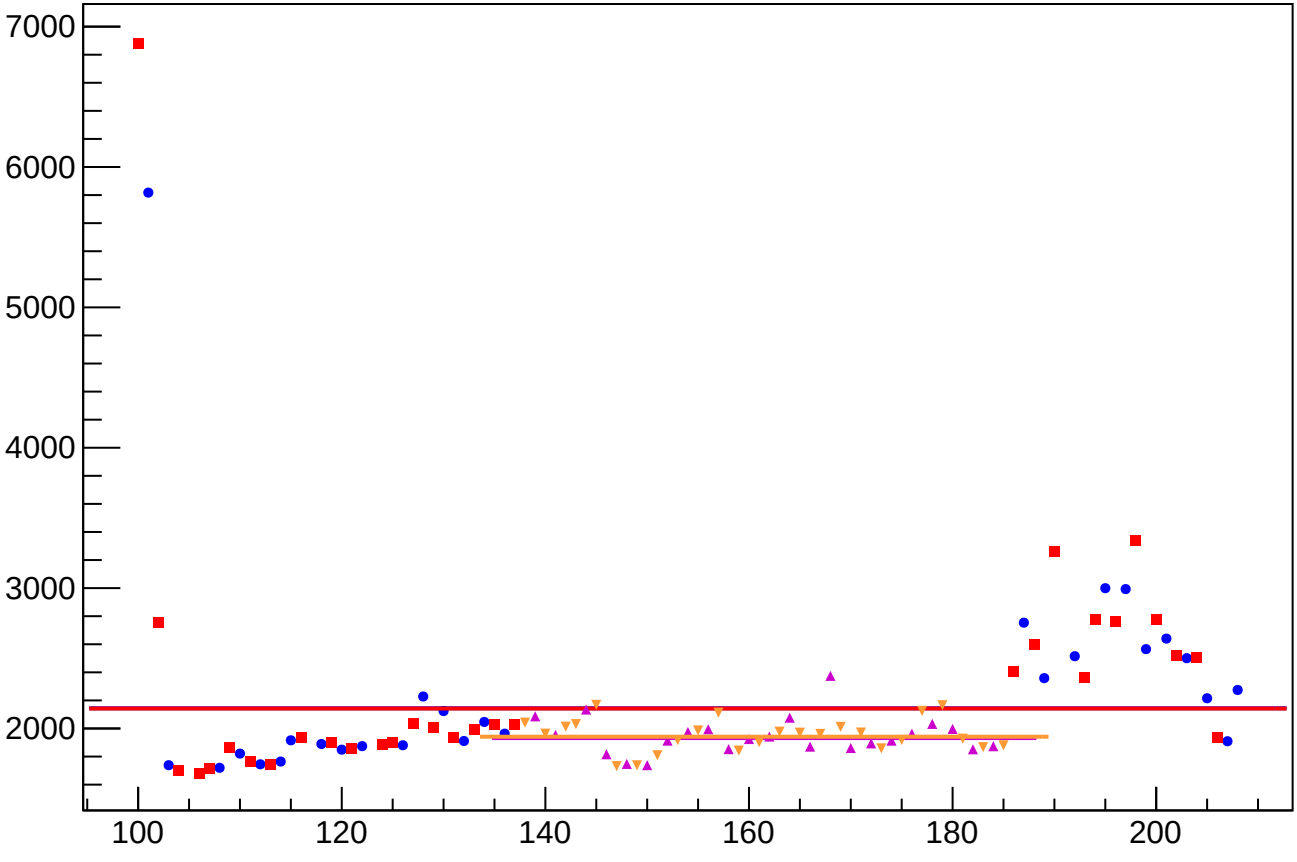
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2301.386+/-345.215 χ^2/NDF: 50.4/51

All: -146.810+/-245.284 χ^2/NDF: 207.3/104

- sign -2642.933+/-348.578 χ^2/NDF: 55.3/52

asym_usr_atr1_avg_rms vs Slug



Right In: 2143.823+/-0.391 χ^2/NDF: 1344895.9/26

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

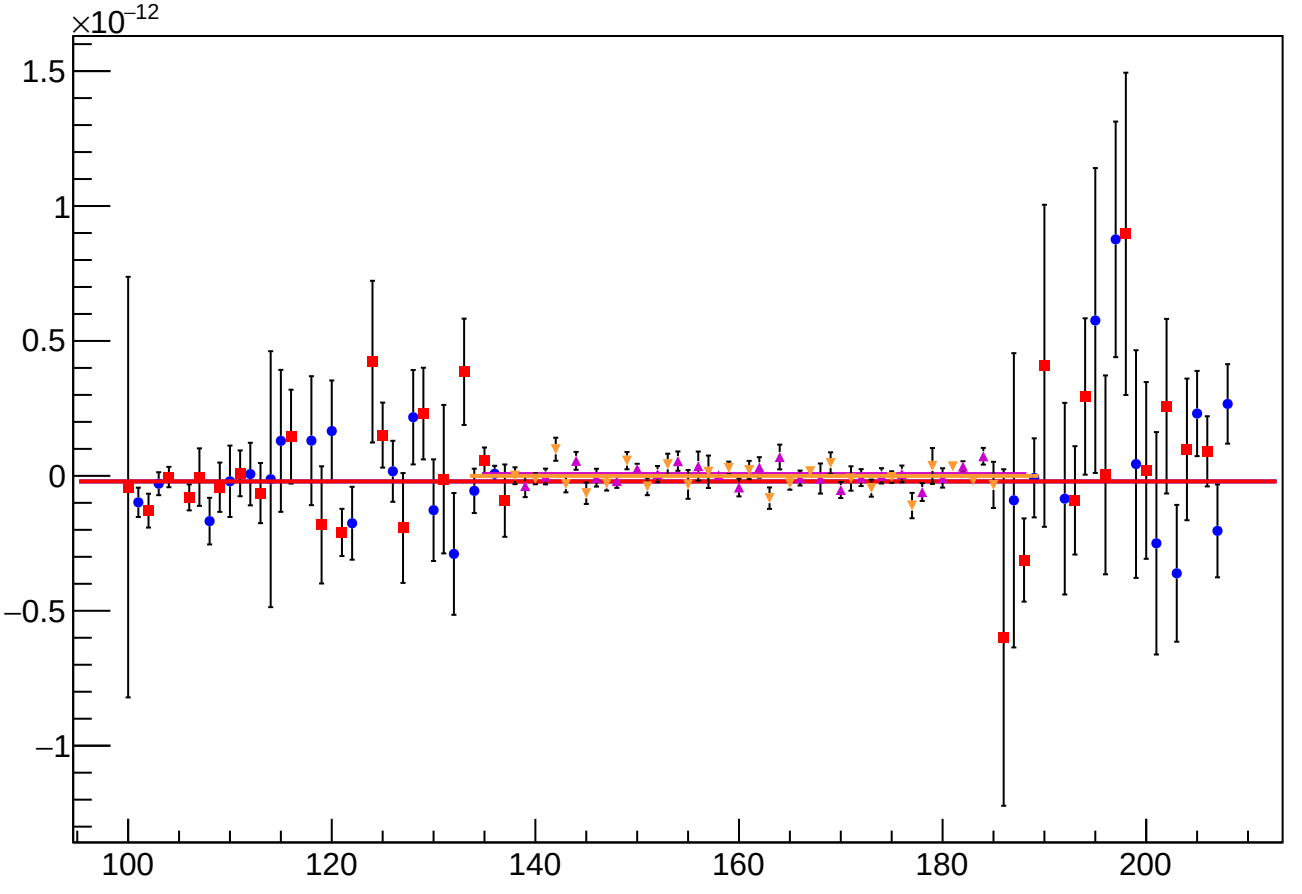
Right Out: 2142.339+/-0.387 χ^2/NDF: 1205616.9/29

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 2020.574+/-0.244 χ^2/NDF: 1647292.2/51

All: 2018.948+/-0.173 χ^2/NDF: 3188815.3/10

- sign 2017.290+/-0.246 χ^2/NDF: 1541433.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 27.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

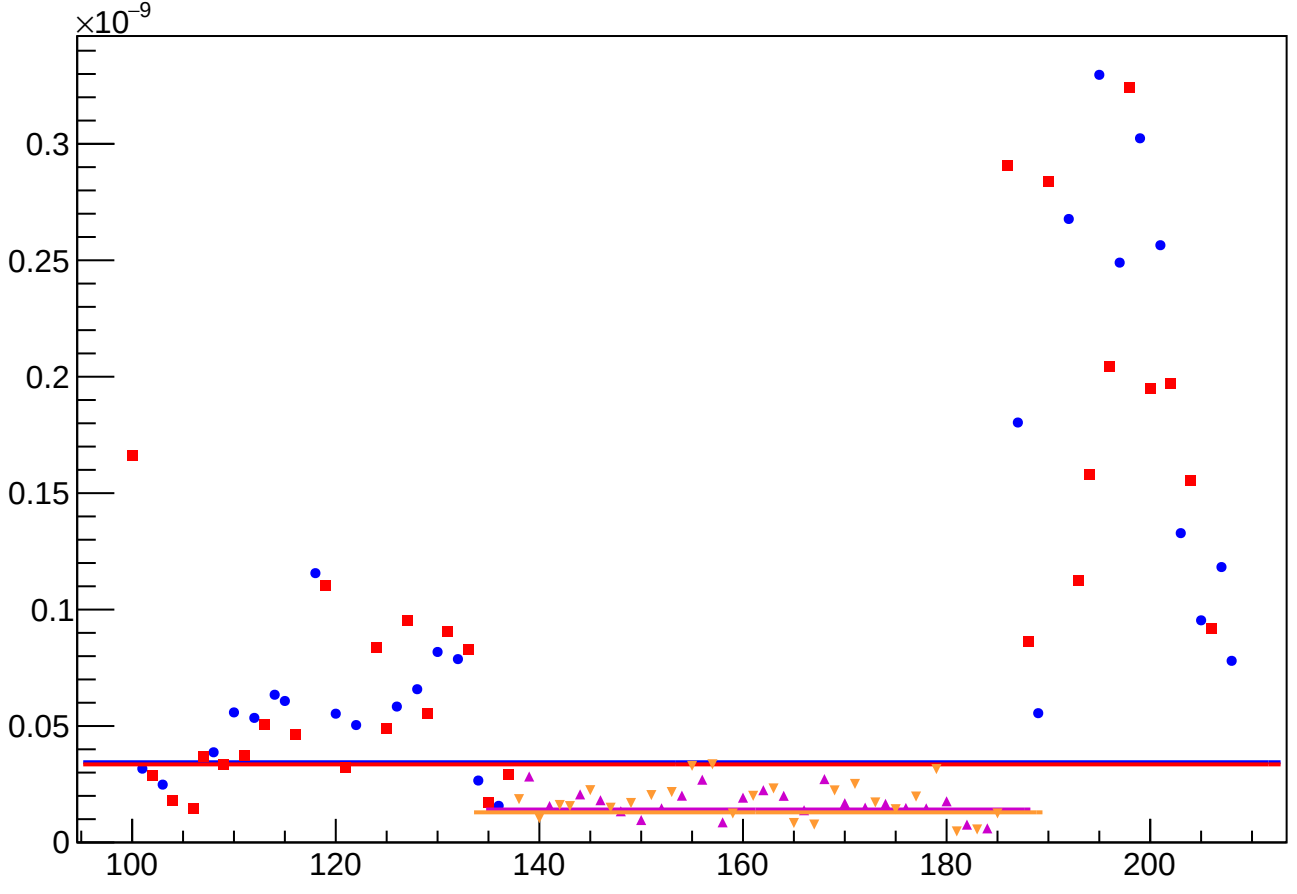
Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/29

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.3/51

All: 0.000+/-0.000 χ^2/NDF: 135.0/104

- sign 0.000+/-0.000 χ^2/NDF: 65.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 6414213.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6119986.2/29

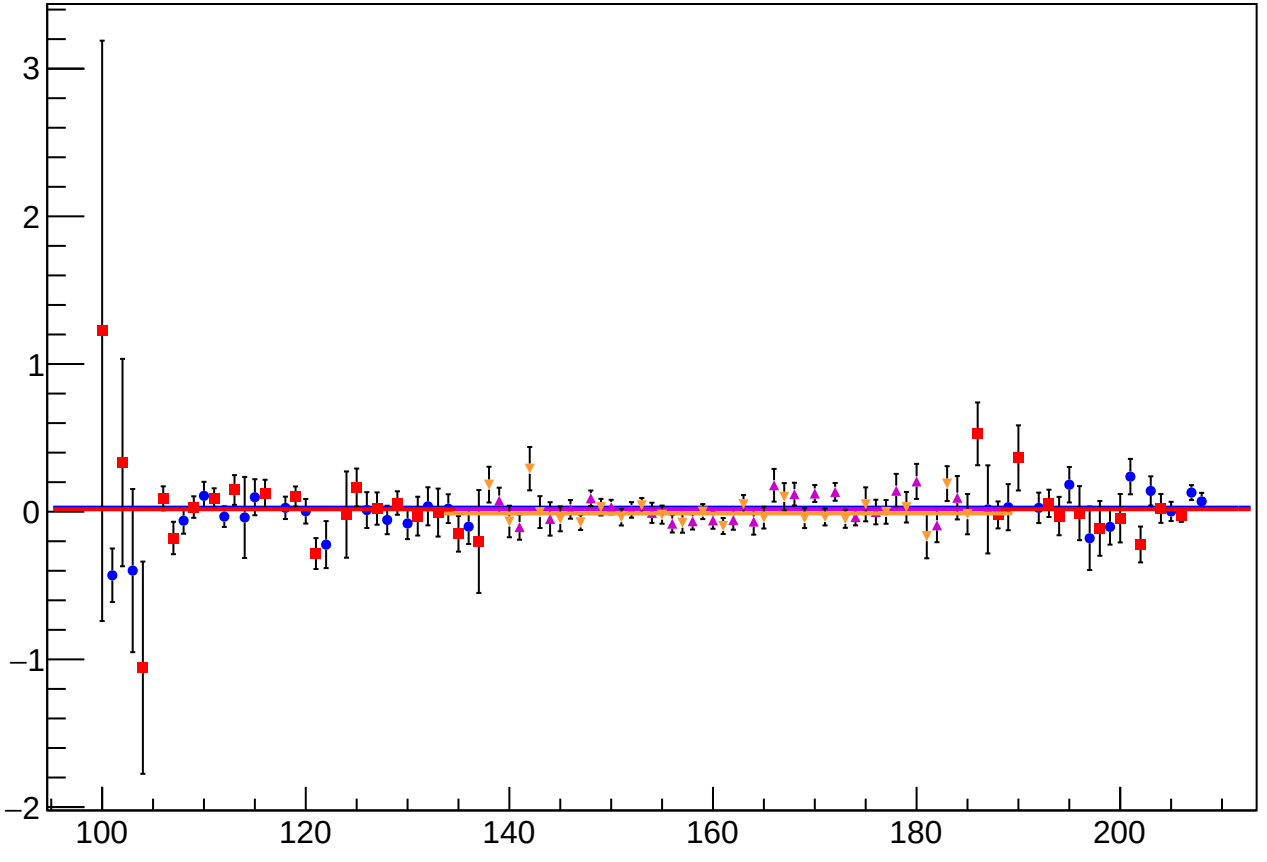
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11722479.1/51

All: 0.000+/-0.000 χ^2/NDF: 21350392.6/104

- sign 0.000+/-0.000 χ^2/NDF: 9581004.6/52

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/26

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.017+/-0.019 χ^2/NDF: 39.0/29

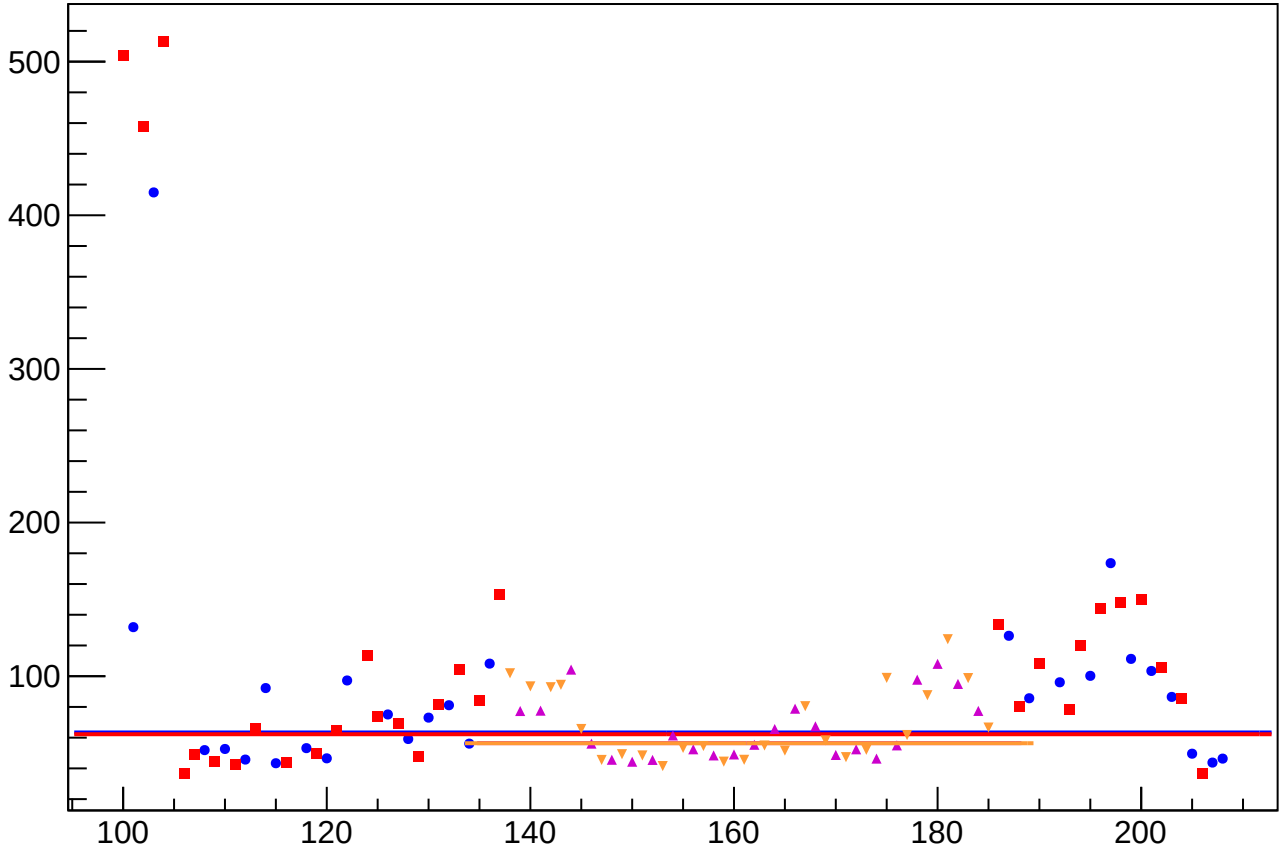
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.003+/-0.011 χ^2/NDF: 52.8/51

All: 0.010+/-0.008 χ^2/NDF: 123.2/104

- sign 0.017+/-0.012 χ^2/NDF: 69.6/52

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 63.373+/-0.013 χ^2/NDF: 4199599.3/26

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

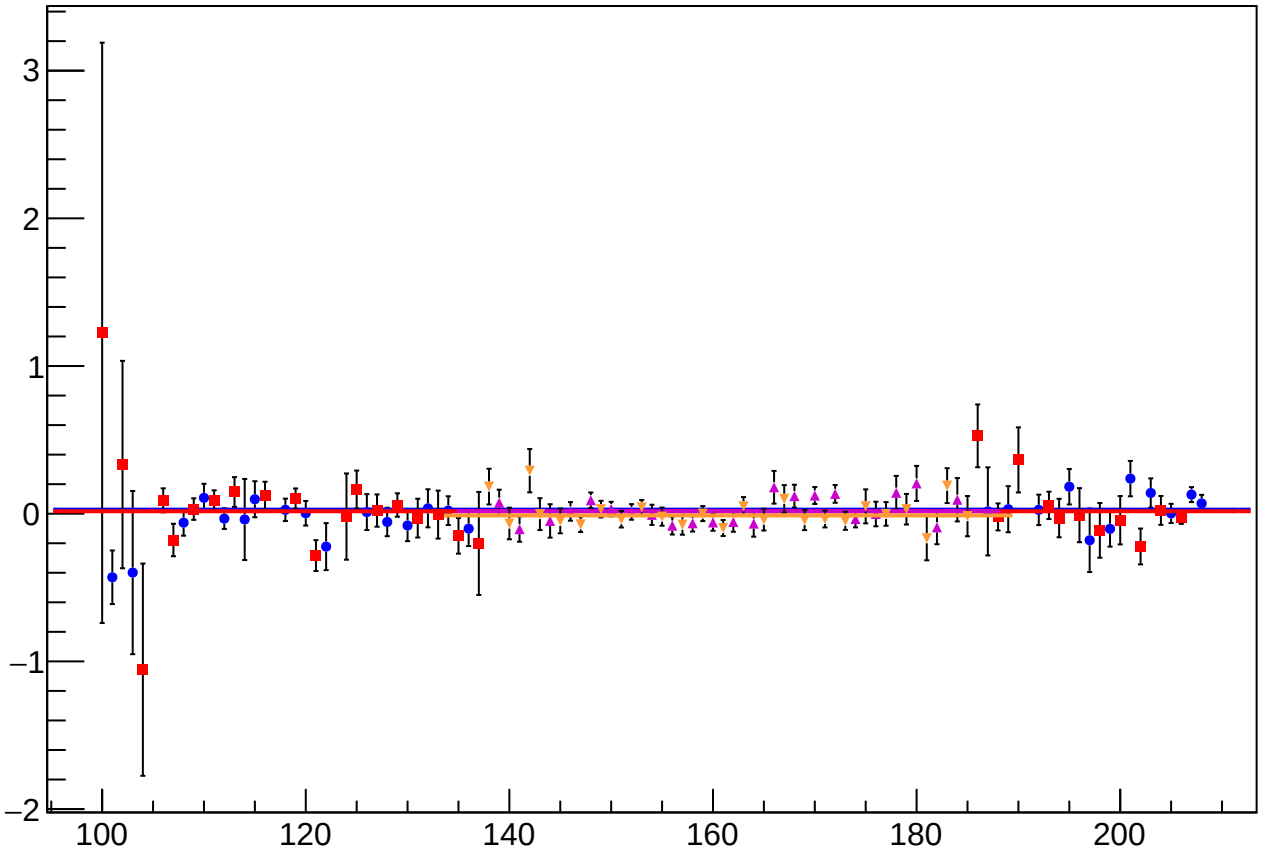
Right Out: 62.237+/-0.013 χ^2/NDF: 6009731.8/29

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 58.937+/-0.008 χ^2/NDF: 7172005.8/51

All: 58.765+/-0.006 χ^2/NDF: 15439415.2/104

- sign 58.589+/-0.008 χ^2/NDF: 8266482.7/52



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/26

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

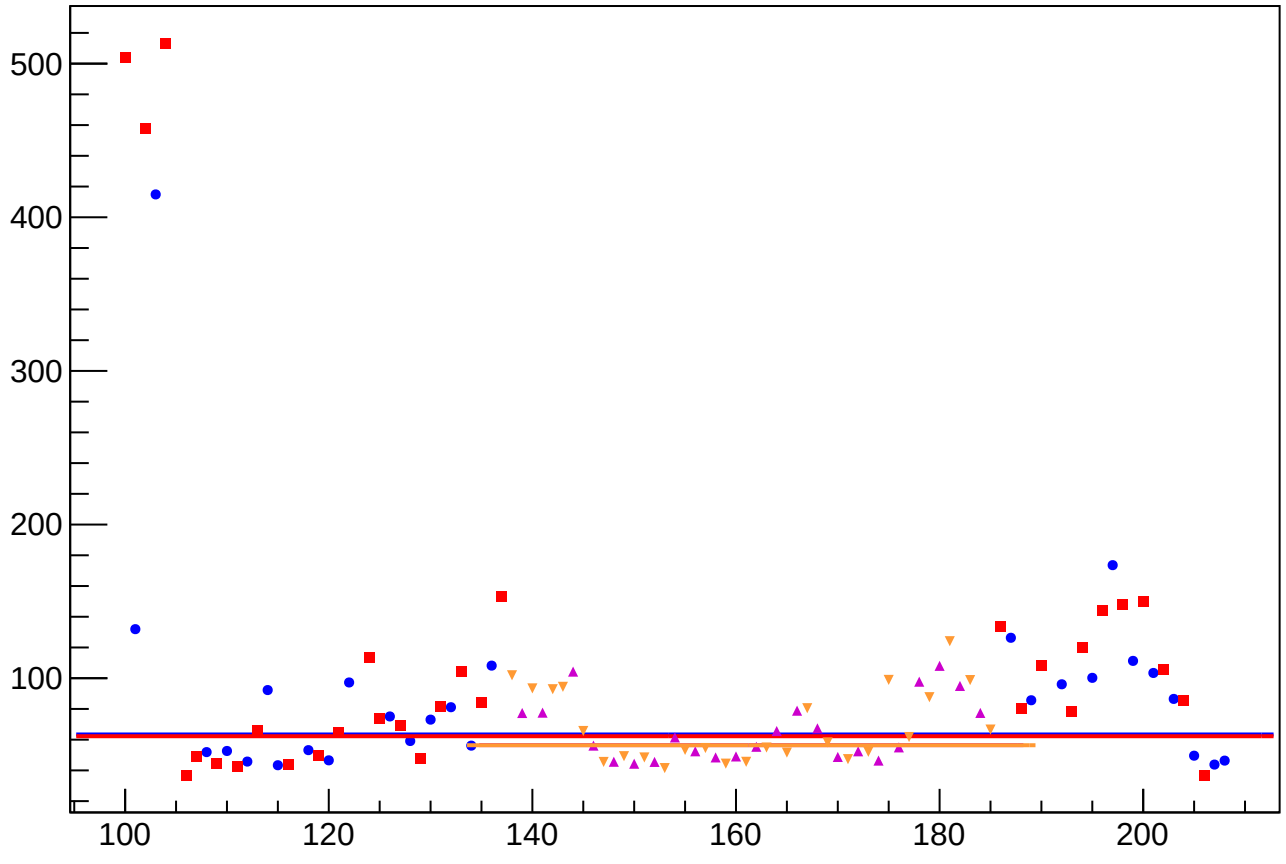
Right Out: 0.017+/-0.019 χ^2/NDF: 39.0/29

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.003+/-0.011 χ^2/NDF: 52.8/51

All: 0.010+/-0.008 χ^2/NDF: 123.2/104

- sign 0.017+/-0.012 χ^2/NDF: 69.6/52



Right In: 63.373+/-0.013 χ^2/NDF: 4199599.3/26

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

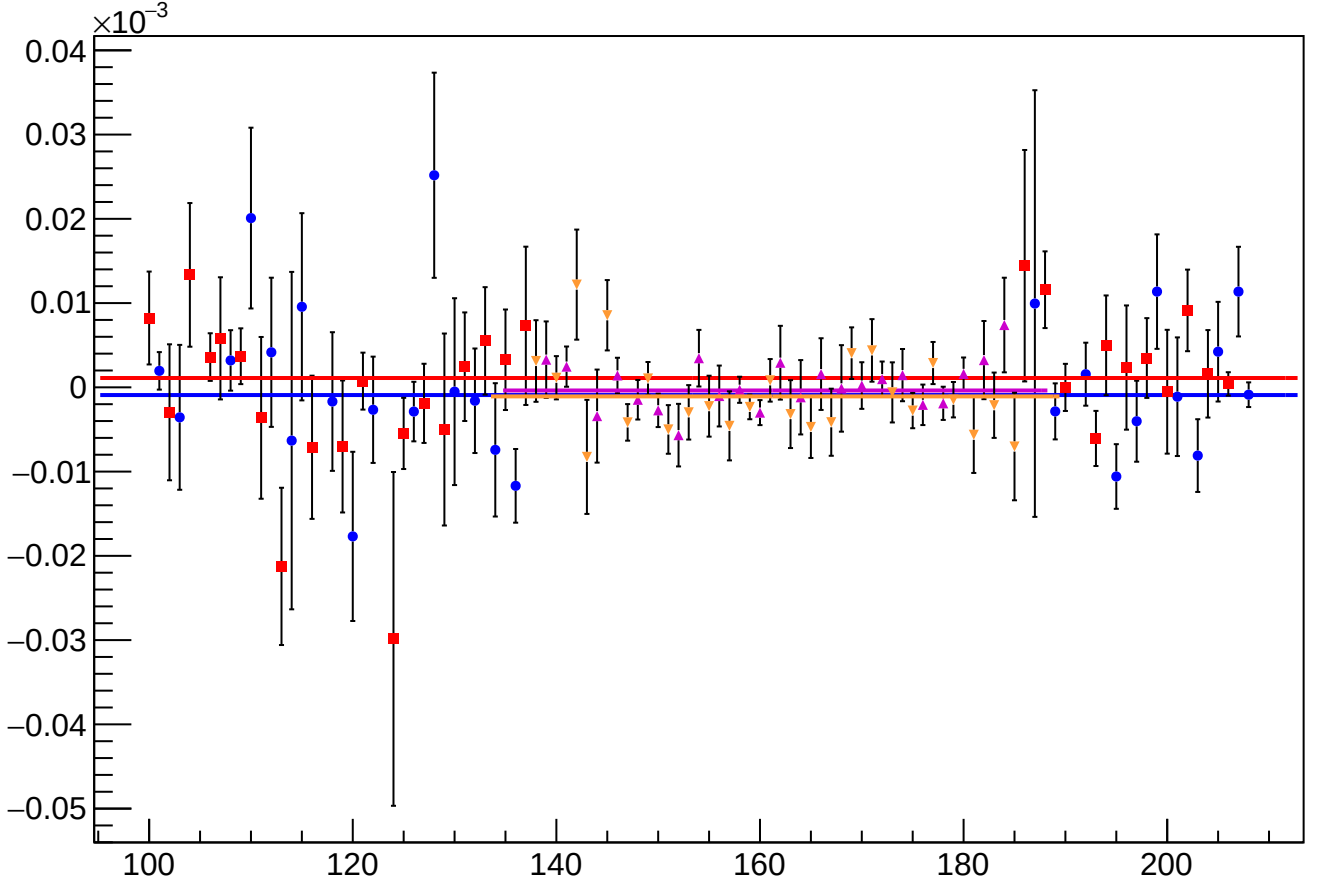
Right Out: 62.237+/-0.013 χ^2/NDF: 6009731.8/29

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 58.937+/-0.008 χ^2/NDF: 7172005.8/51

All: 58.765+/-0.006 χ^2/NDF: 15439415.2/104

- sign 58.589+/-0.008 χ^2/NDF: 8266482.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 42.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

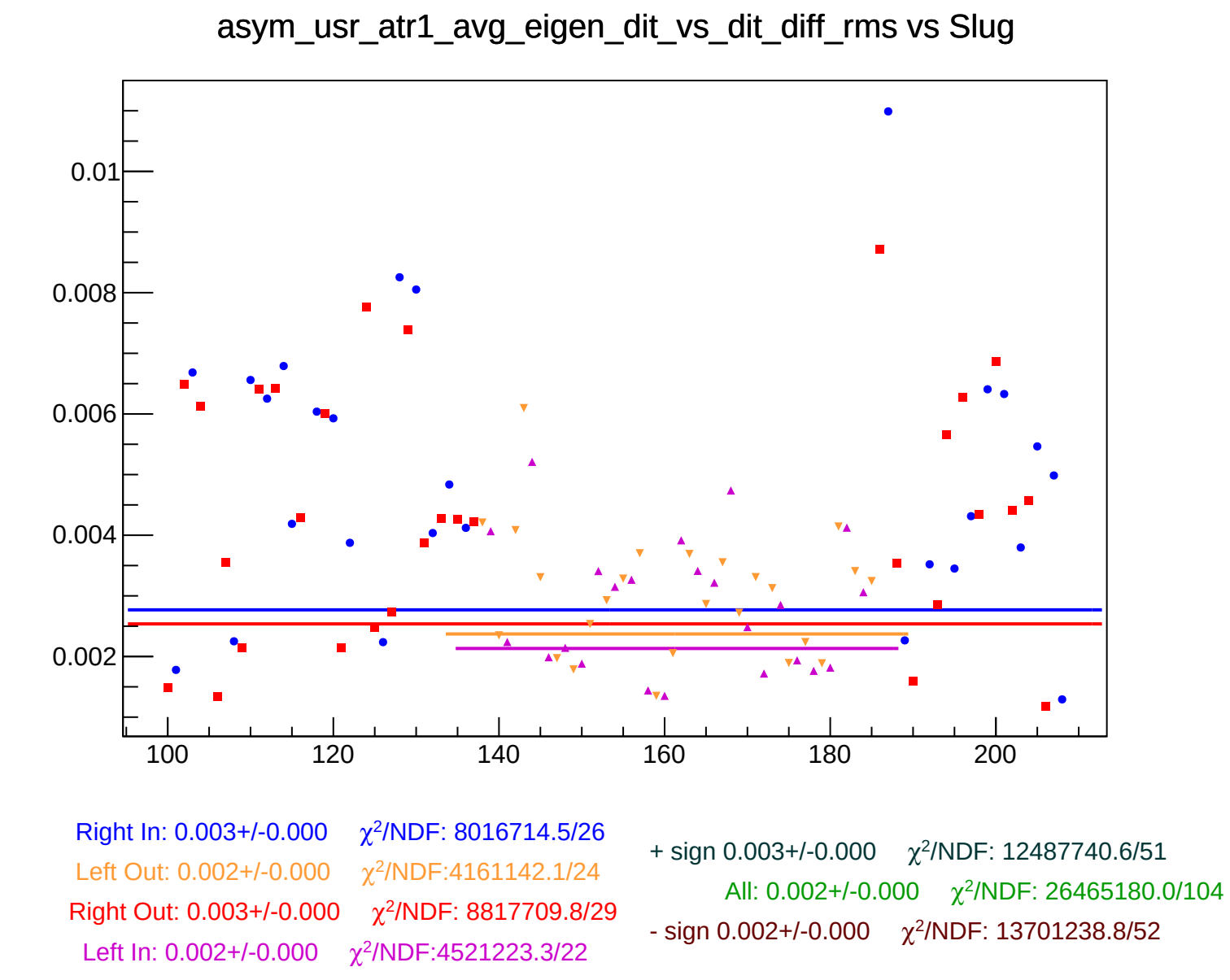
Right Out: 0.000+/-0.000 χ^2/NDF: 35.4/29

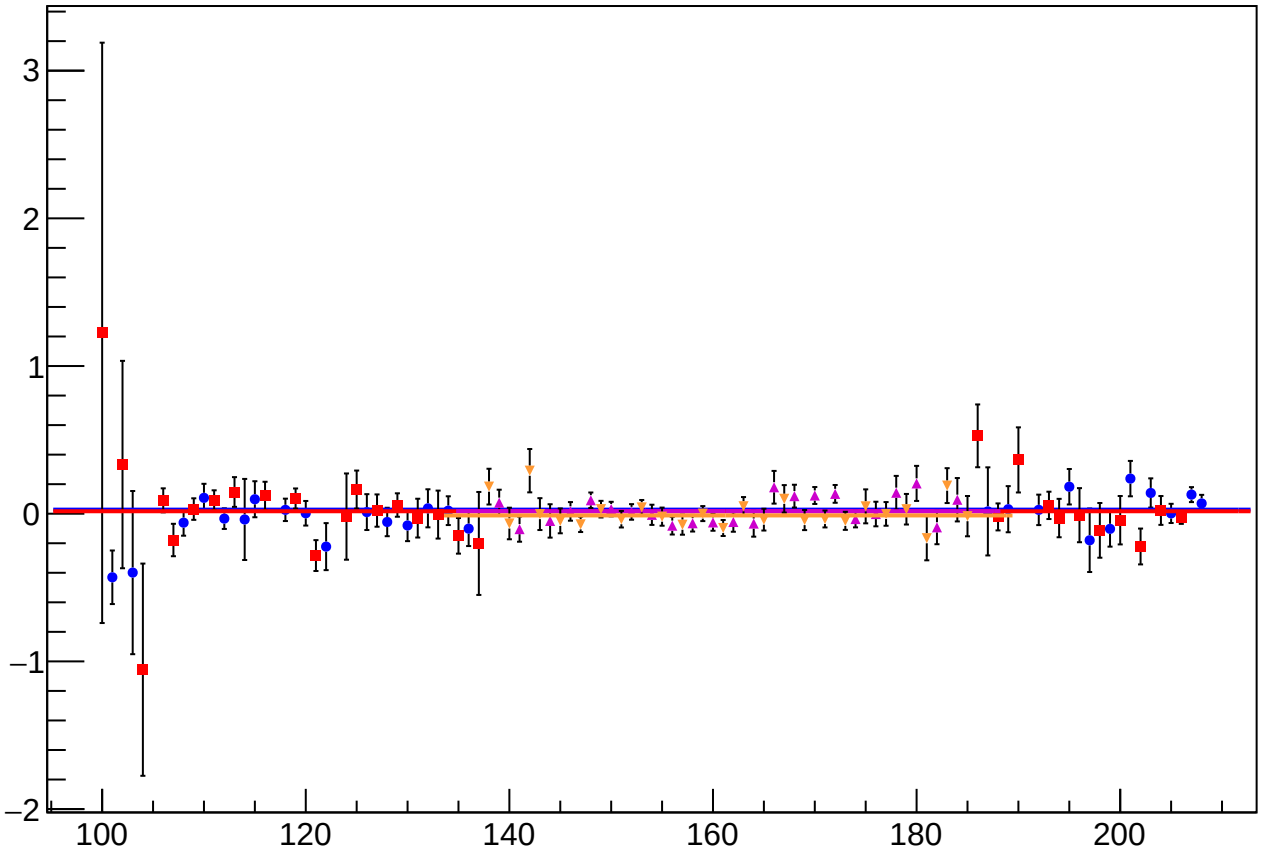
Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.2/51

All: -0.000+/-0.000 χ^2/NDF: 132.5/104

- sign 0.000+/-0.000 χ^2/NDF: 55.3/52


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 8016714.5/26
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 8817709.8/29
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
+ sign 0.003+/-0.000 χ²/NDF: 12487740.6/51
All: 0.002+/-0.000 χ²/NDF: 26465180.0/104
- sign 0.002+/-0.000 χ²/NDF: 13701238.8/52



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/26

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

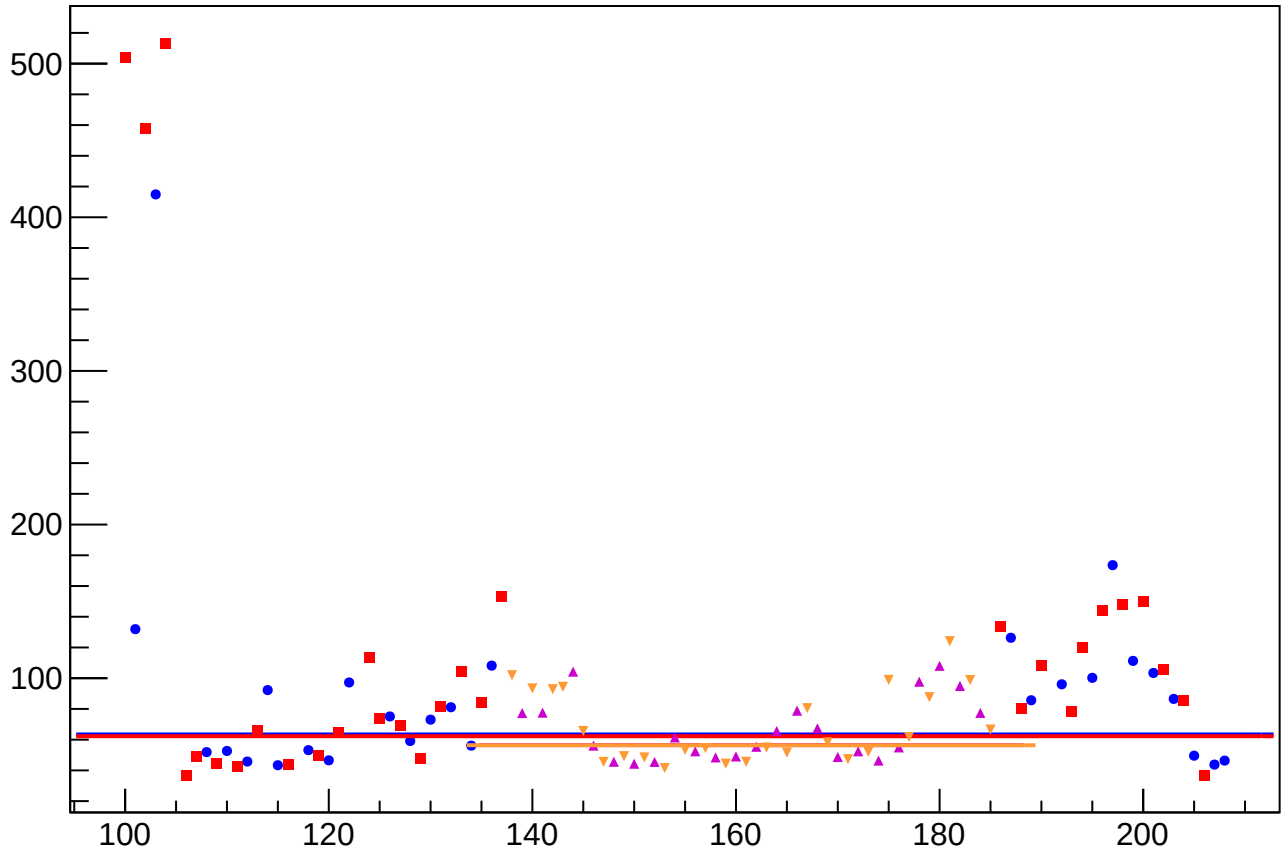
Right Out: 0.017+/-0.019 χ^2/NDF: 38.9/29

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.003+/-0.011 χ^2/NDF: 52.8/51

All: 0.010+/-0.008 χ^2/NDF: 123.2/104

- sign 0.017+/-0.012 χ^2/NDF: 69.6/52



Right In: 63.372+/-0.013 χ^2/NDF: 4199546.8/26

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

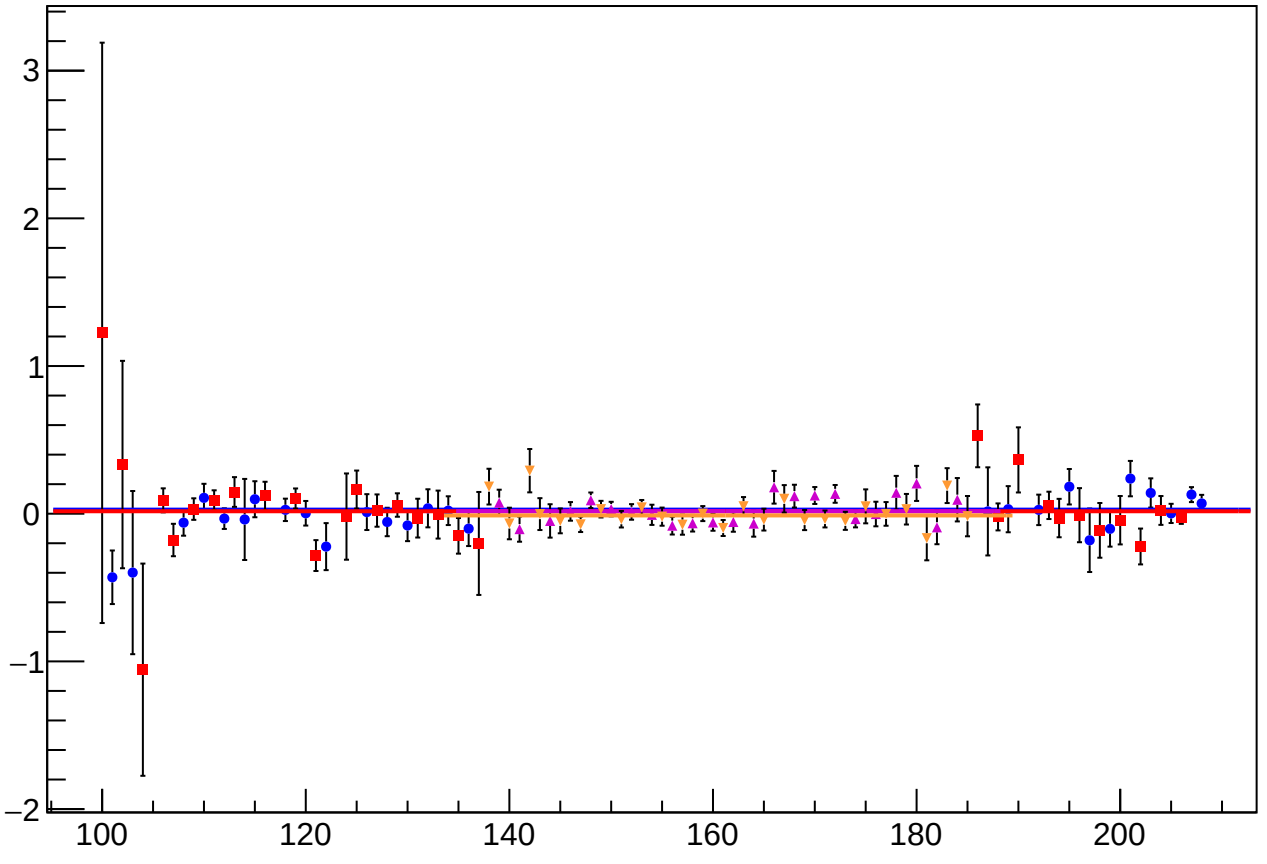
Right Out: 62.236+/-0.013 χ^2/NDF: 6009762.6/29

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 58.938+/-0.008 χ^2/NDF: 7172001.6/51

All: 58.765+/-0.006 χ^2/NDF: 15439398.4/104

- sign 58.589+/-0.008 χ^2/NDF: 8266469.3/52



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/26

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

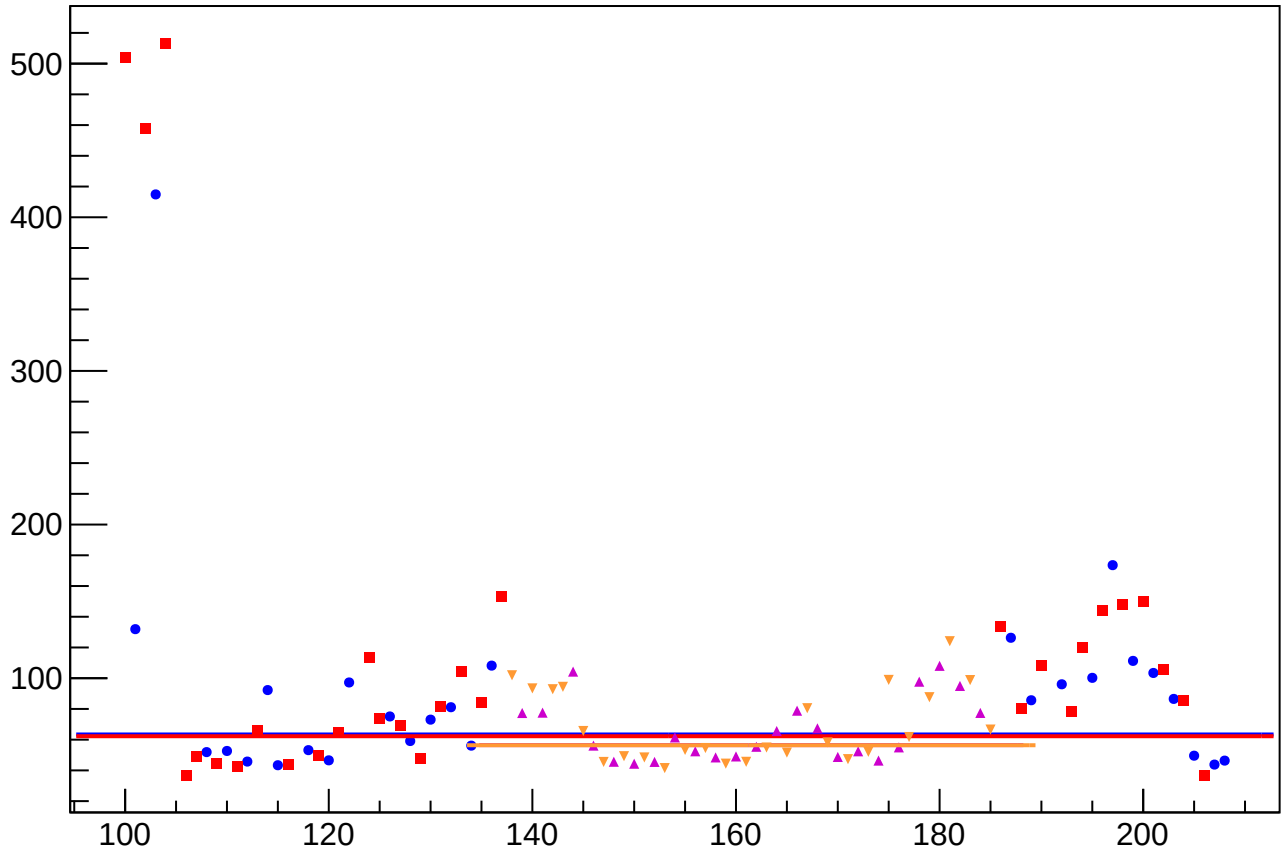
Right Out: 0.017+/-0.019 χ^2/NDF: 38.9/29

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.003+/-0.011 χ^2/NDF: 52.8/51

All: 0.010+/-0.008 χ^2/NDF: 123.2/104

- sign 0.017+/-0.012 χ^2/NDF: 69.6/52



Right In: 63.372+/-0.013 χ^2/NDF: 4199546.8/26

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

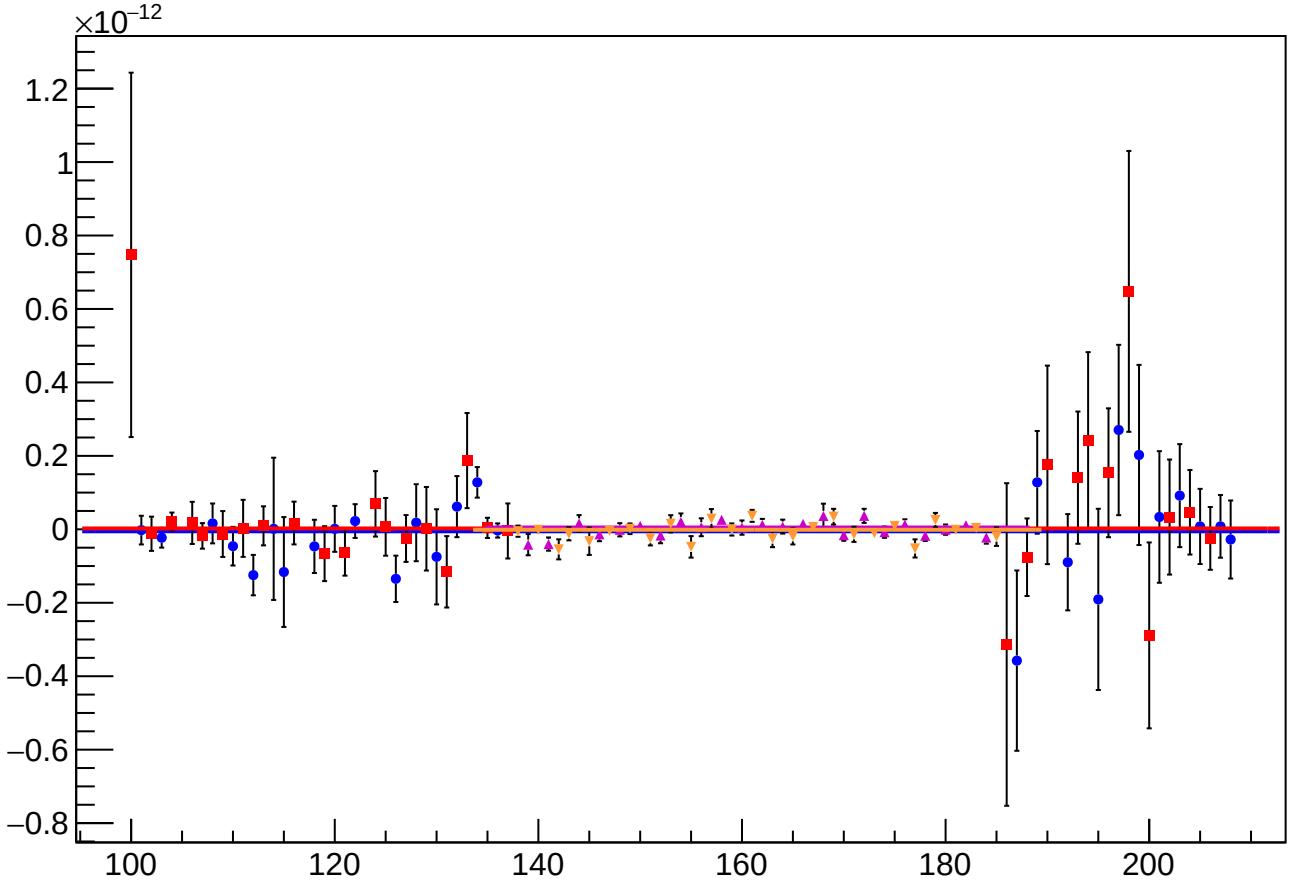
Right Out: 62.236+/-0.013 χ^2/NDF: 6009762.6/29

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

\+ sign 58.938+/-0.008 χ^2/NDF: 7172001.6/51

All: 58.765+/-0.006 χ^2/NDF: 15439398.4/104

\- sign 58.589+/-0.008 χ^2/NDF: 8266469.3/52



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

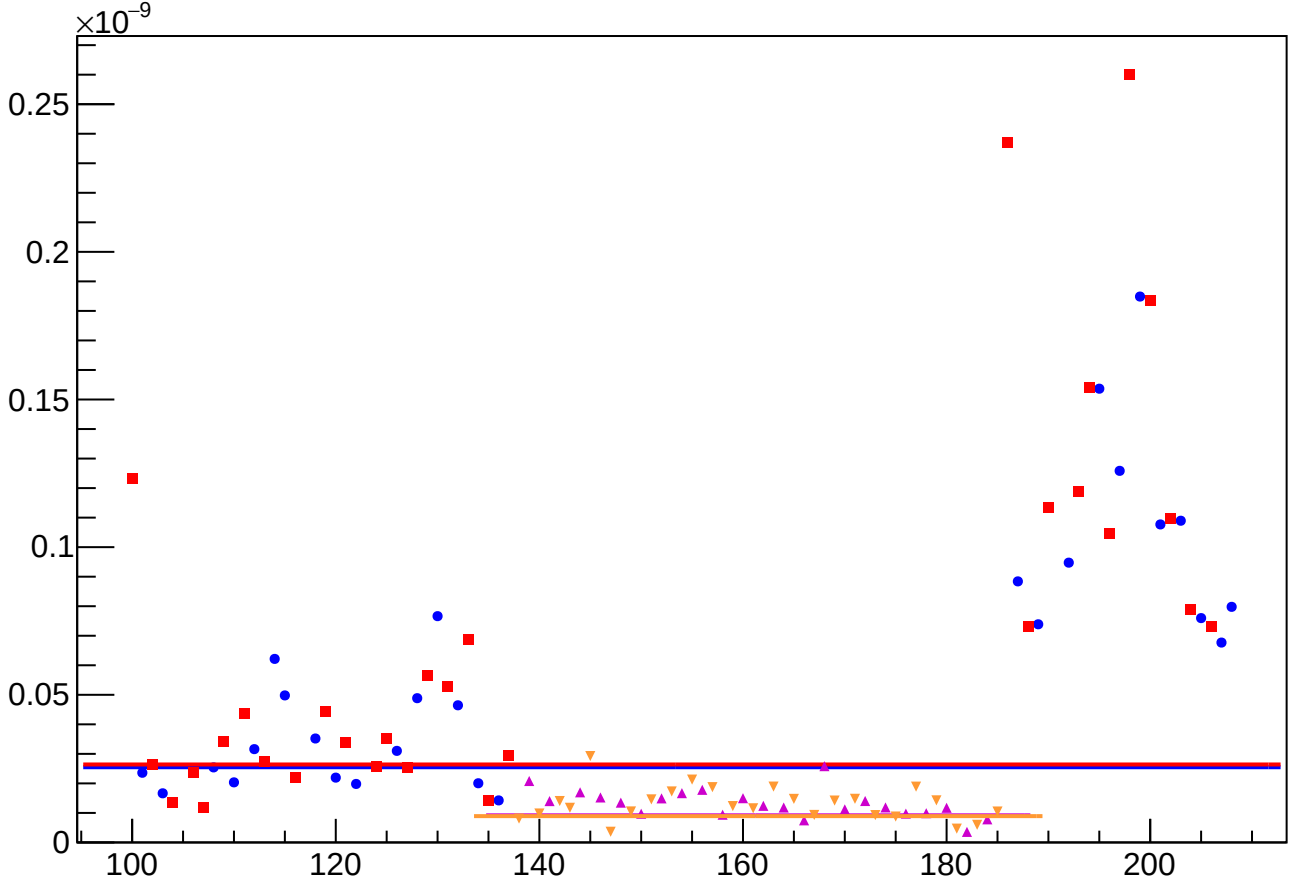
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/29

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.0/51

All: 0.000+/-0.000 χ^2/NDF: 107.8/104

- sign 0.000+/-0.000 χ^2/NDF: 46.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 7039487.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7842958.2/29

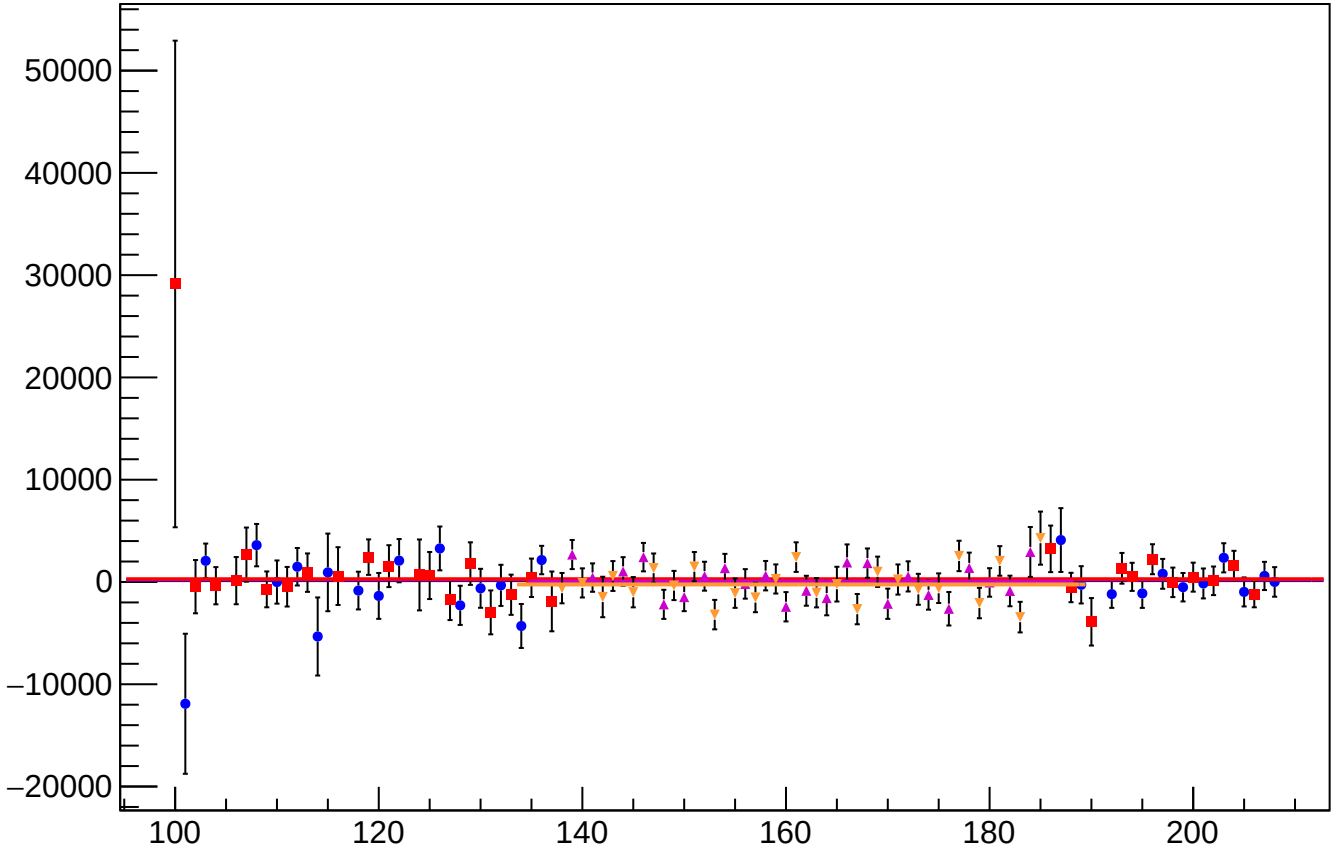
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 16406881.5/51

All: 0.000+/-0.000 χ^2/NDF: 33519207.1/104

- sign 0.000+/-0.000 χ^2/NDF: 17104280.8/52

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 183.362+/-340.431 χ^2/NDF: 28.8/26

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 268.555+/-336.074 χ^2/NDF: 19.8/29

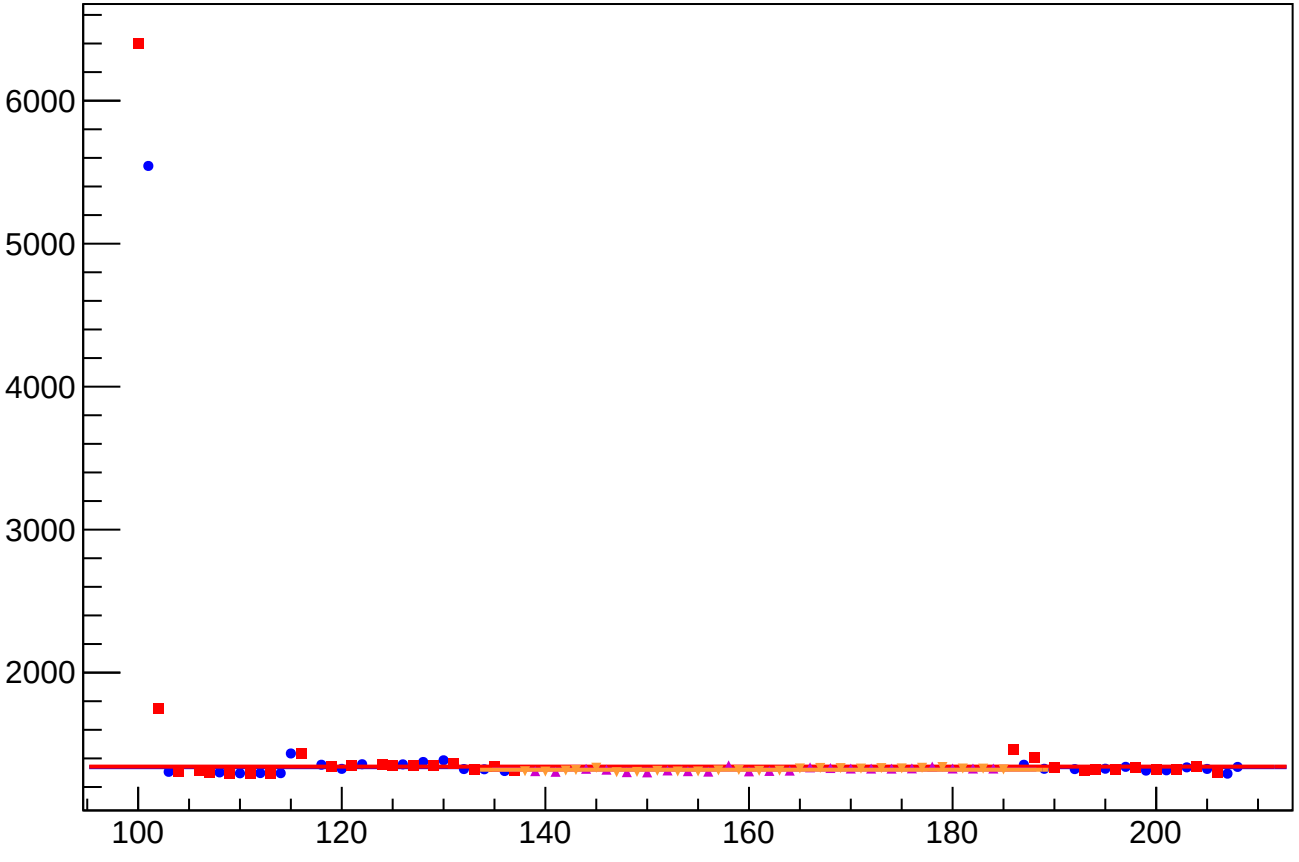
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -55.426+/-225.079 χ^2/NDF: 61.4/51

All: 43.344+/-159.940 χ^2/NDF: 108.9/104

- sign 144.087+/-227.315 χ^2/NDF: 47.2/52

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1338.735+/-0.241 χ^2/NDF: 766418.8/26

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1342.687+/-0.238 χ^2/NDF: 161588.8/29

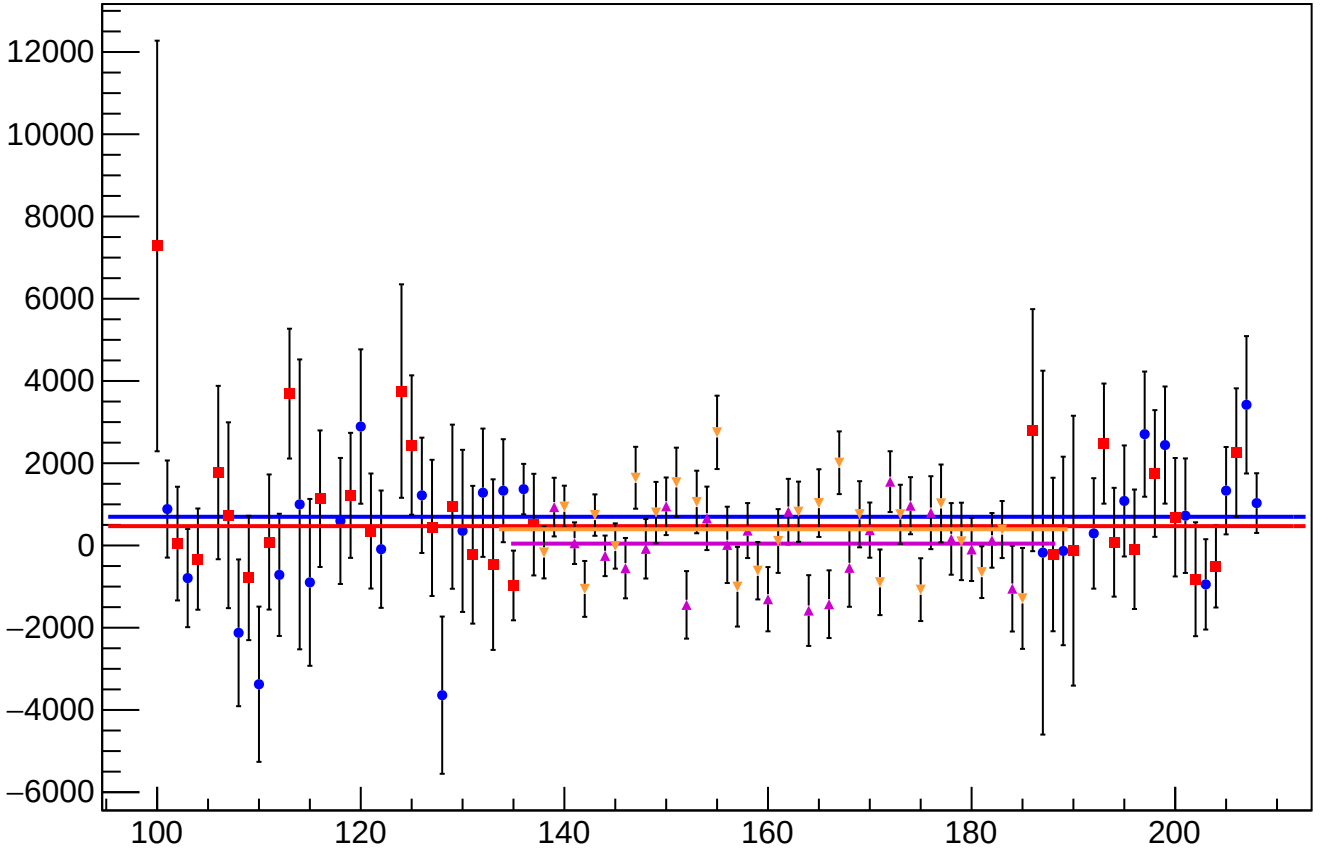
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.606+/-0.159 χ^2/NDF: 772166.5/51

All: 1329.963+/-0.113 χ^2/NDF: 941653.2/104

- sign 1331.346+/-0.161 χ^2/NDF: 169340.0/52

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 697.604+/-254.128 χ^2/NDF: 27.9/26

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 470.018+/-280.108 χ^2/NDF: 21.2/29

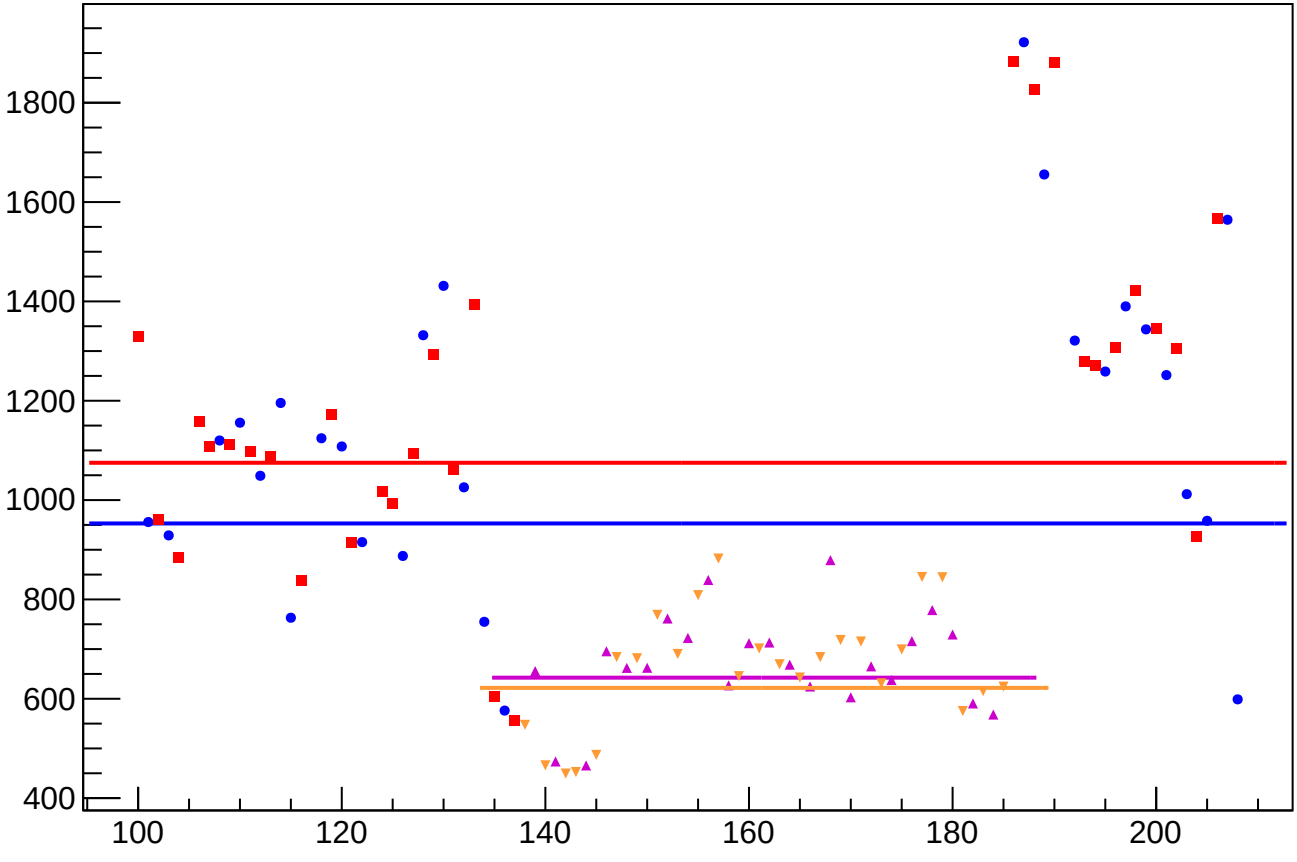
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

\+ sign 468.641+/-125.654 χ^2/NDF: 70.8/51

All: 315.519+/-91.603 χ^2/NDF: 124.5/104

\- sign 141.839+/-133.823 χ^2/NDF: 50.5/52

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 952.955+/-0.180 χ^2/NDF: 2818221.1/26

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1075.126+/-0.198 χ^2/NDF: 2393916.8/29

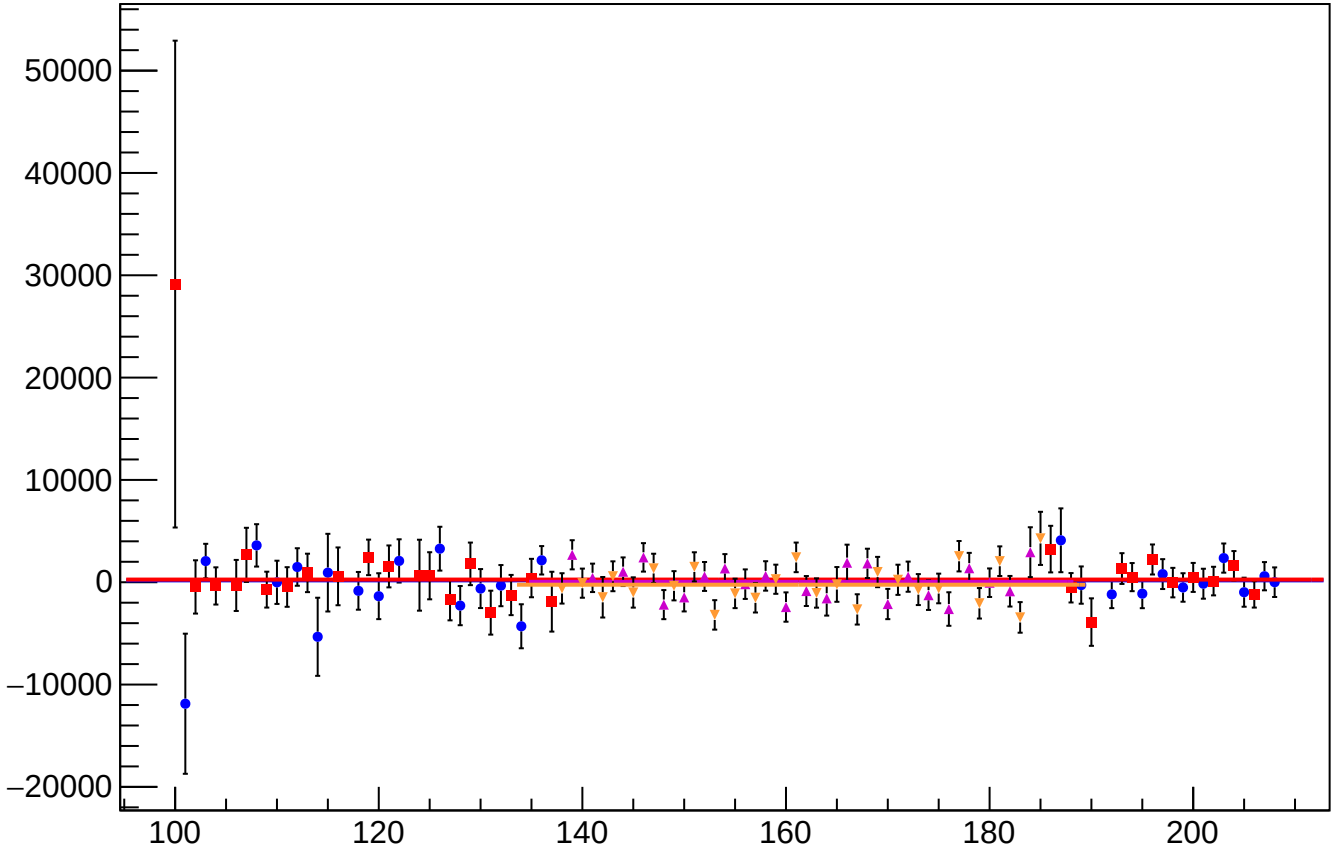
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 702.875+/-0.089 χ^2/NDF: 6765219.3/51

All: 720.843+/-0.065 χ^2/NDF: 13855249.1/10

- sign 741.224+/-0.095 χ^2/NDF: 7002742.4/52

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 183.456+/-340.431 χ^2/NDF: 28.7/26

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 261.043+/-336.589 χ^2/NDF: 19.8/29

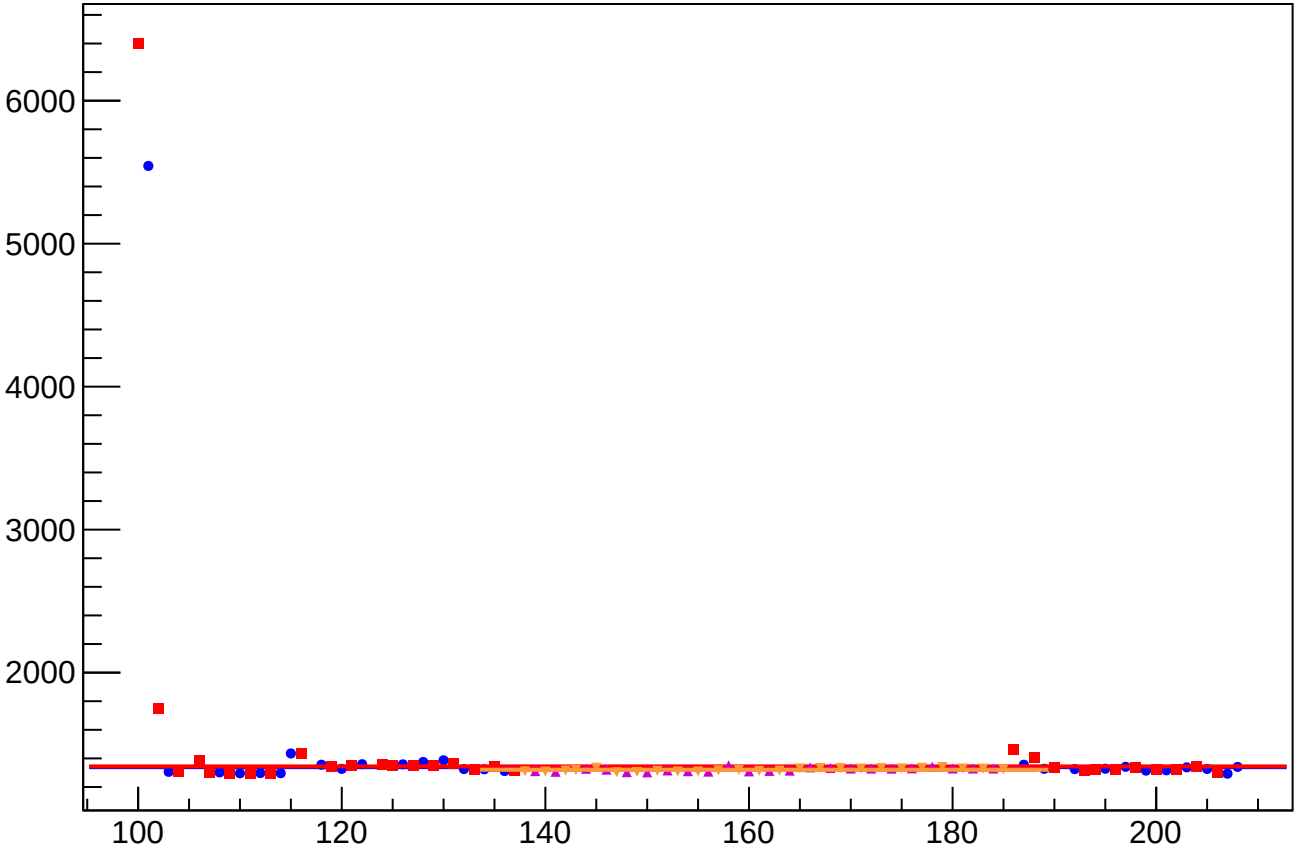
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -55.386+/-225.079 χ^2/NDF: 61.3/51

All: 41.530+/-159.995 χ^2/NDF: 108.9/104

- sign 140.520+/-227.474 χ^2/NDF: 47.2/52

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1338.735+/-0.241 χ^2/NDF: 766417.8/26

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1344.061+/-0.238 χ^2/NDF: 162000.1/29

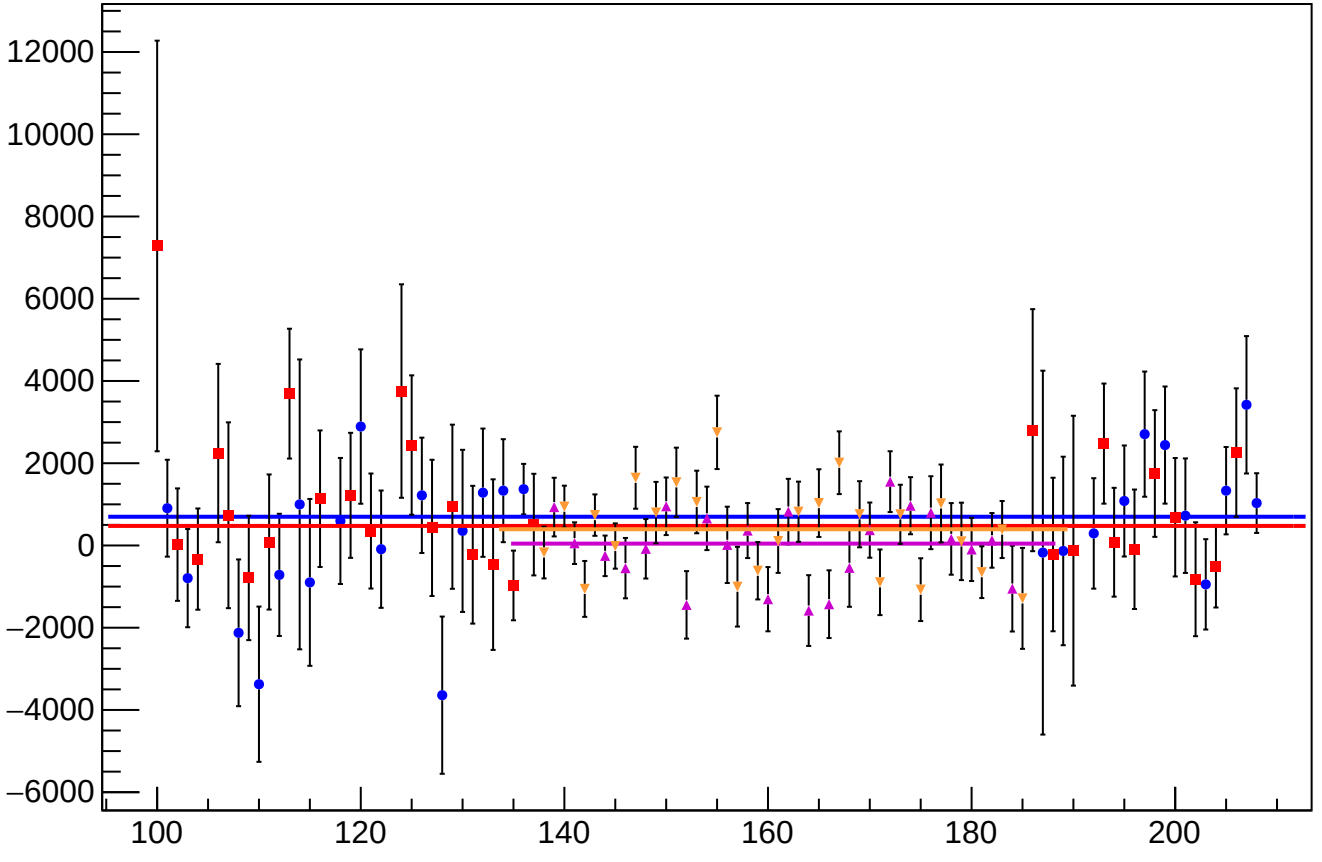
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.606+/-0.159 χ^2/NDF: 772165.5/51

All: 1330.264+/-0.113 χ^2/NDF: 942698.5/104

- sign 1331.958+/-0.161 χ^2/NDF: 170313.6/52

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 698.596+/-254.103 χ^2/NDF: 27.9/26

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 475.282+/-280.110 χ^2/NDF: 21.5/29

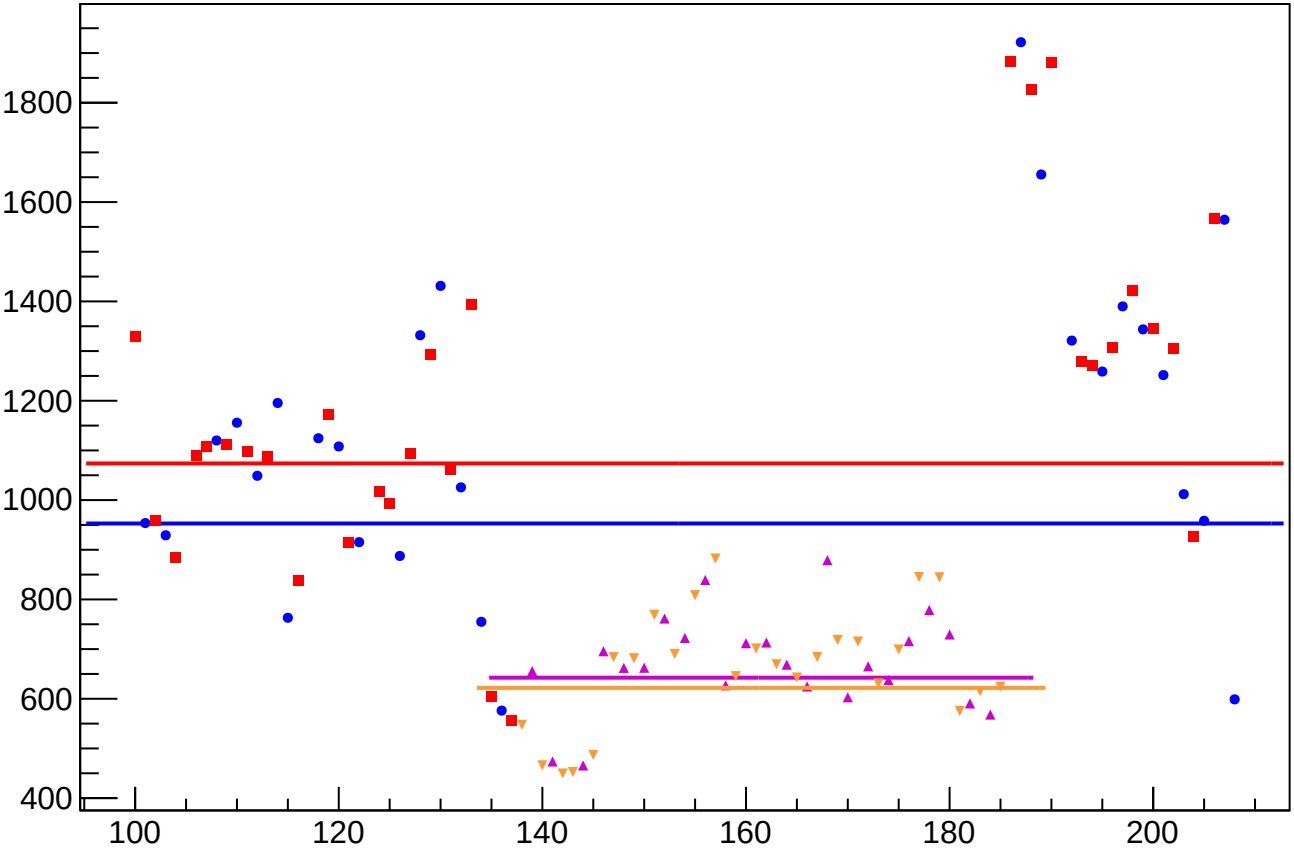
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

\+ sign 468.873+/-125.651 χ^2/NDF: 70.8/51

All: 316.203+/-91.601 χ^2/NDF: 124.9/104

\- sign 143.030+/-133.823 χ^2/NDF: 50.9/52

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 952.865+/-0.180 χ^2/NDF: 2818232.0/26

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1073.744+/-0.198 χ^2/NDF: 2391648.9/29

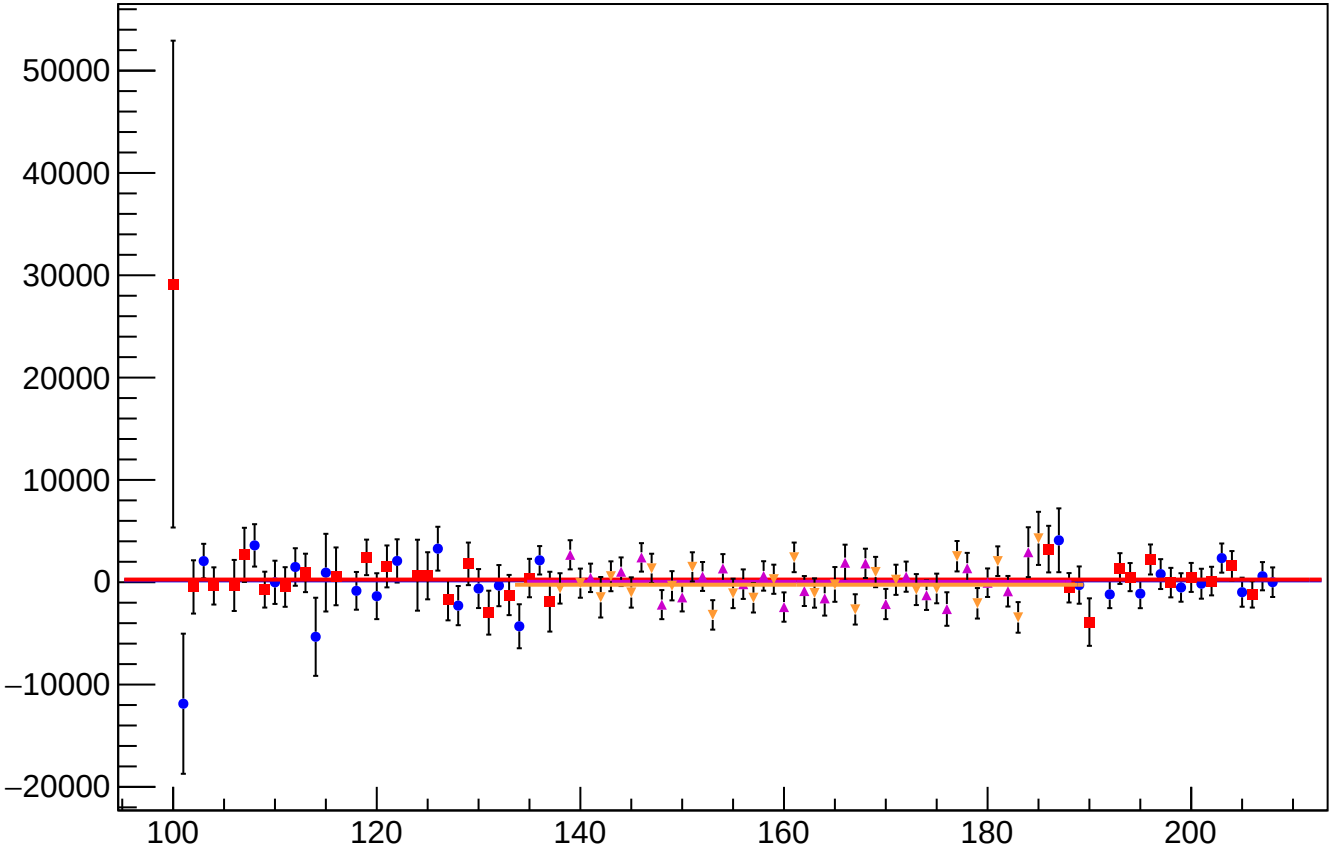
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 702.865+/-0.089 χ^2/NDF: 6764117.4/51

All: 720.687+/-0.065 χ^2/NDF: 13827079.4/10

- sign 740.903+/-0.095 χ^2/NDF: 6977082.9/52

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 183.456+/-340.431 χ^2/NDF: 28.7/26

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 261.043+/-336.589 χ^2/NDF: 19.8/29

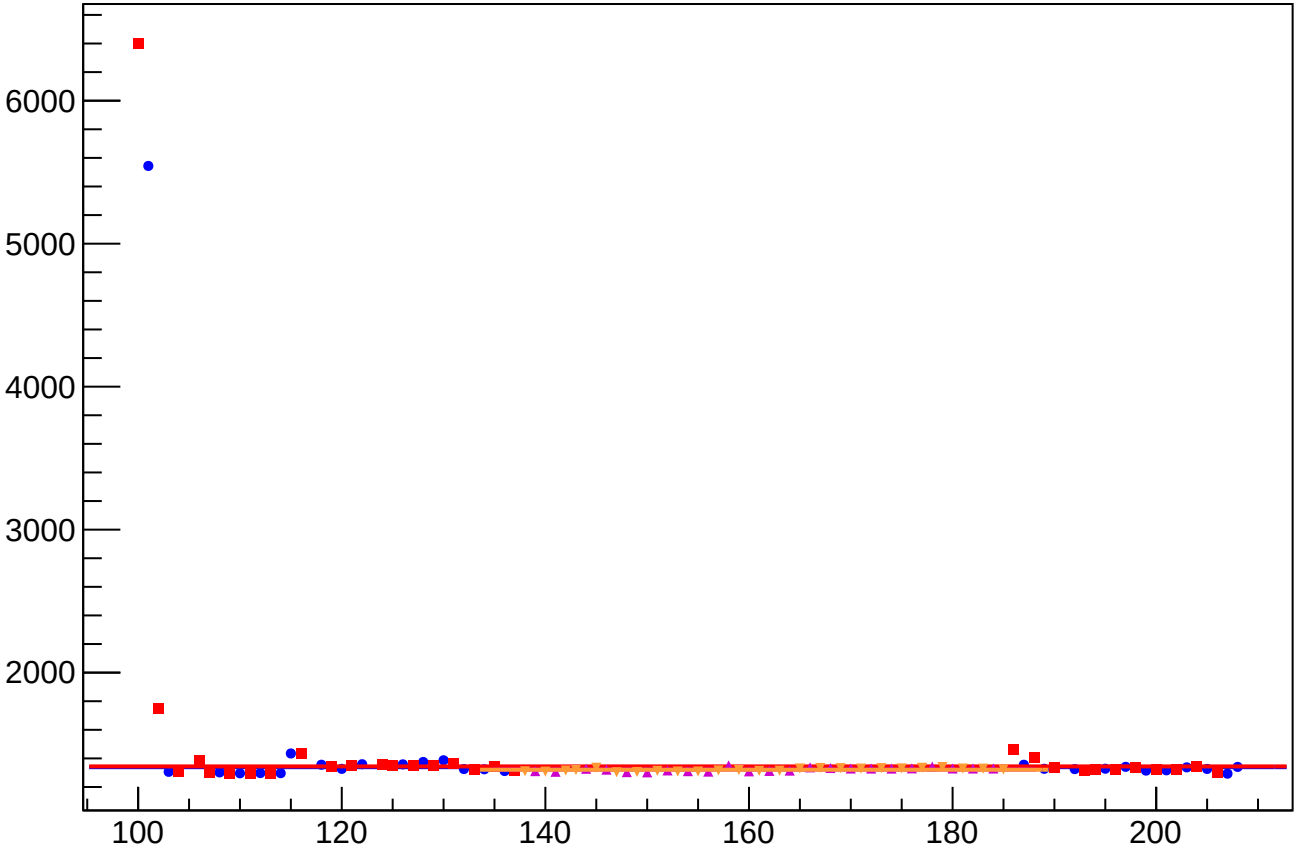
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -55.386+/-225.079 χ^2/NDF: 61.3/51

All: 41.530+/-159.995 χ^2/NDF: 108.9/104

- sign 140.520+/-227.474 χ^2/NDF: 47.2/52

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1338.735+/-0.241 χ^2/NDF: 766417.8/26

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

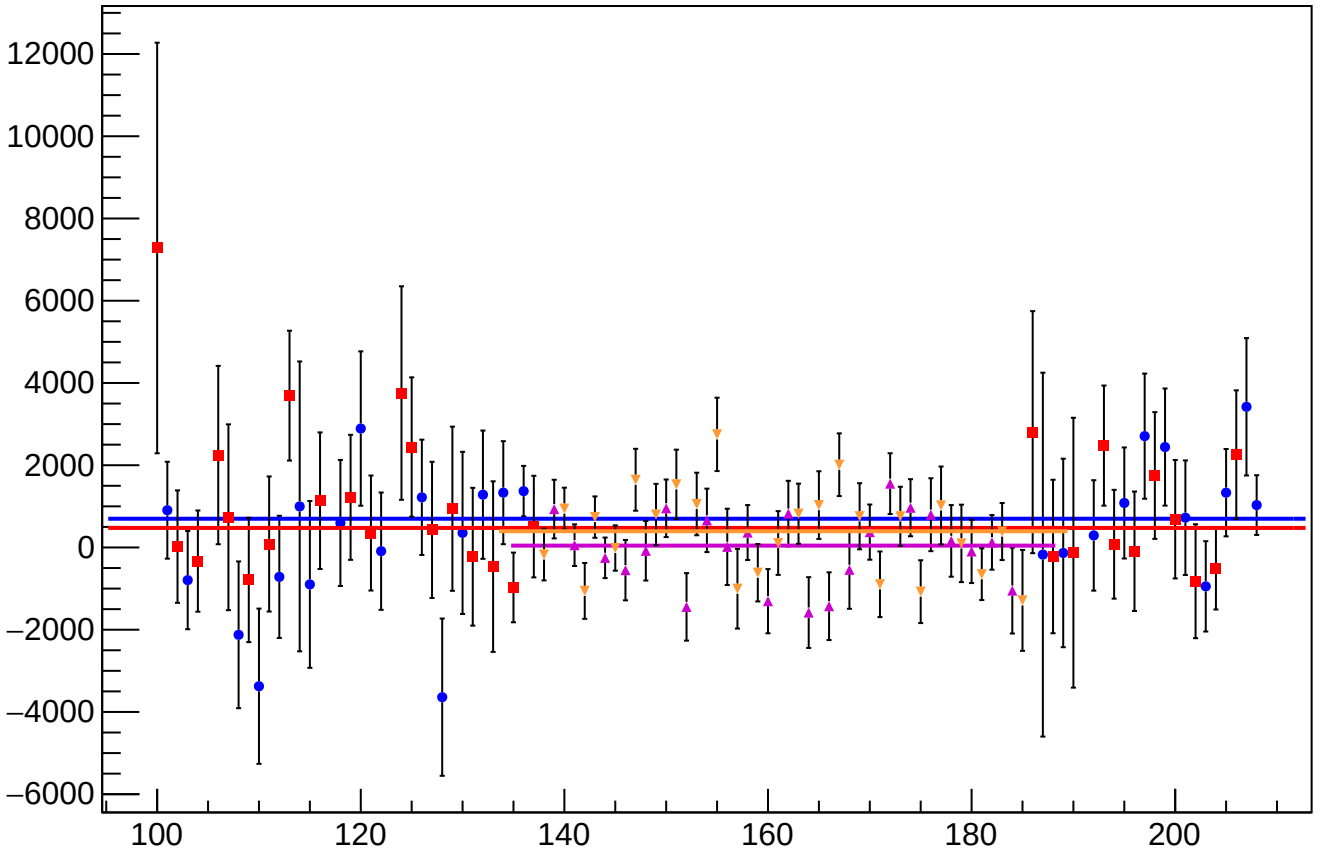
Right Out: 1344.061+/-0.238 χ^2/NDF: 162000.1/29

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.606+/-0.159 χ^2/NDF: 772165.5/51

All: 1330.264+/-0.113 χ^2/NDF: 942698.5/104

- sign 1331.958+/-0.161 χ^2/NDF: 170313.6/52



Right In: 698.596+/-254.103 χ^2/NDF: 27.9/26

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

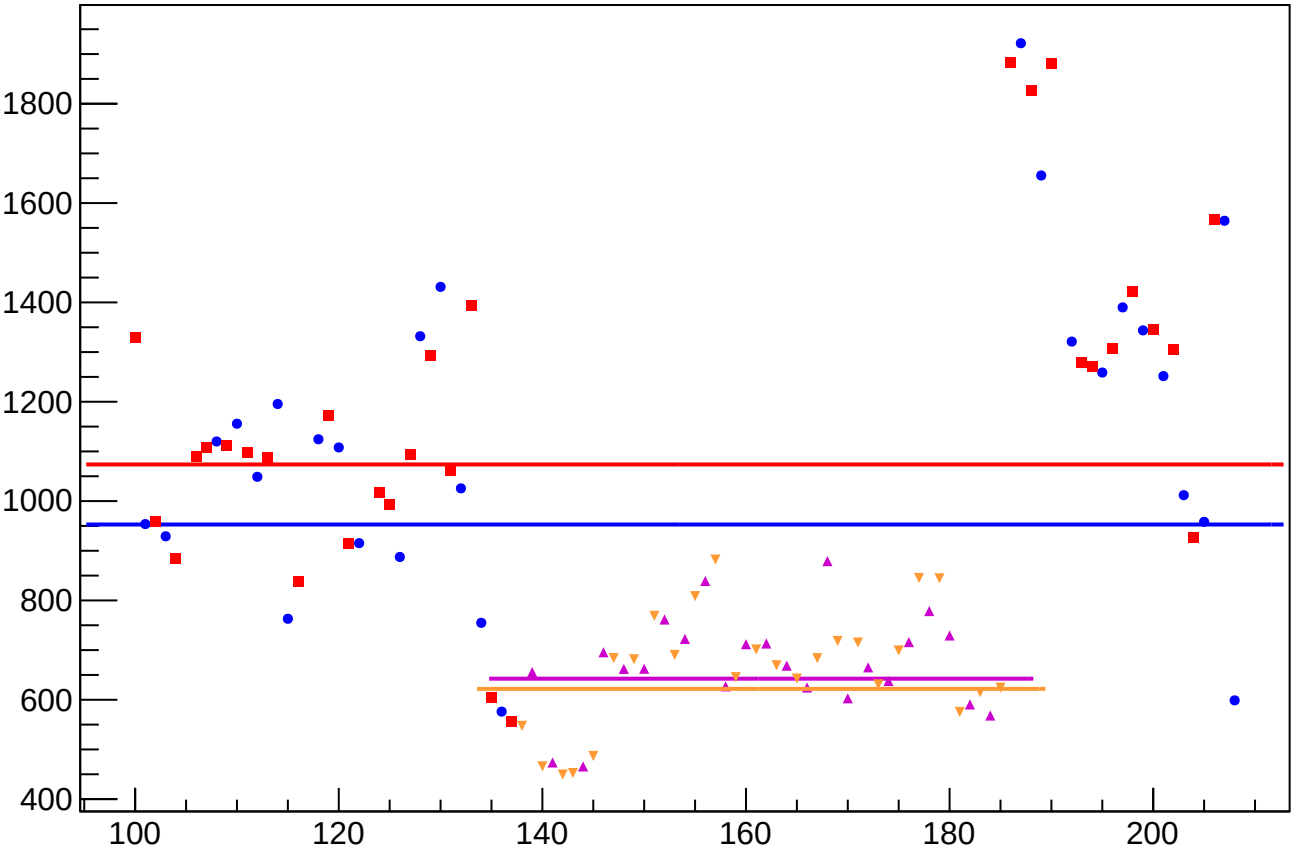
Right Out: 475.282+/-280.110 χ^2/NDF: 21.5/29

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

\+ sign 468.873+/-125.651 χ^2/NDF: 70.8/51

All: 316.203+/-91.601 χ^2/NDF: 124.9/104

\- sign 143.030+/-133.823 χ^2/NDF: 50.9/52



Right In: 952.865+/-0.180 χ^2/NDF: 2818232.0/26

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1073.744+/-0.198 χ^2/NDF: 2391648.9/29

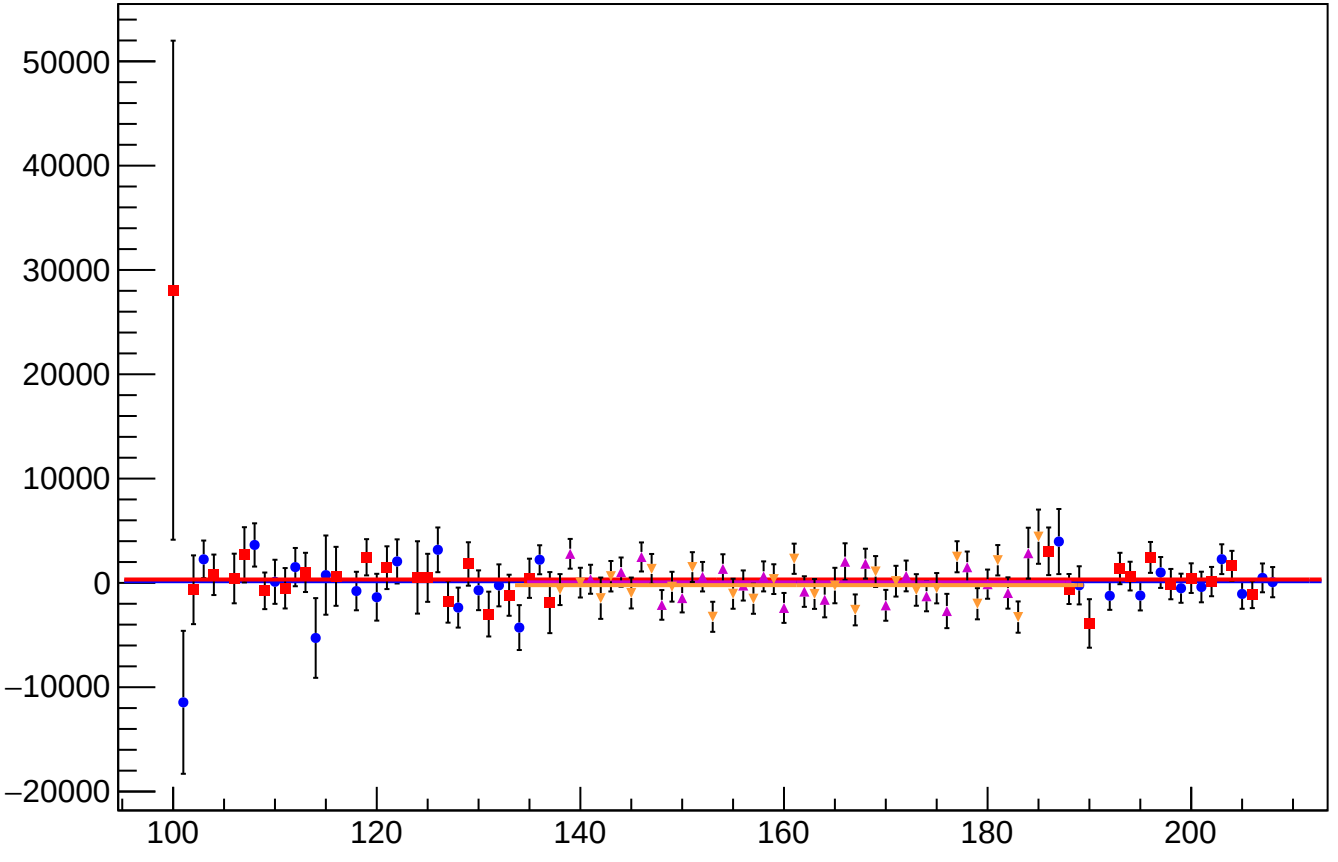
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 702.865+/-0.089 χ^2/NDF: 6764117.4/51

All: 720.687+/-0.065 χ^2/NDF: 13827079.4/10

- sign 740.903+/-0.095 χ^2/NDF: 6977082.9/52

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 161.141+/-341.991 χ^2/NDF: 28.8/26

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 327.595+/-338.911 χ^2/NDF: 19.9/29

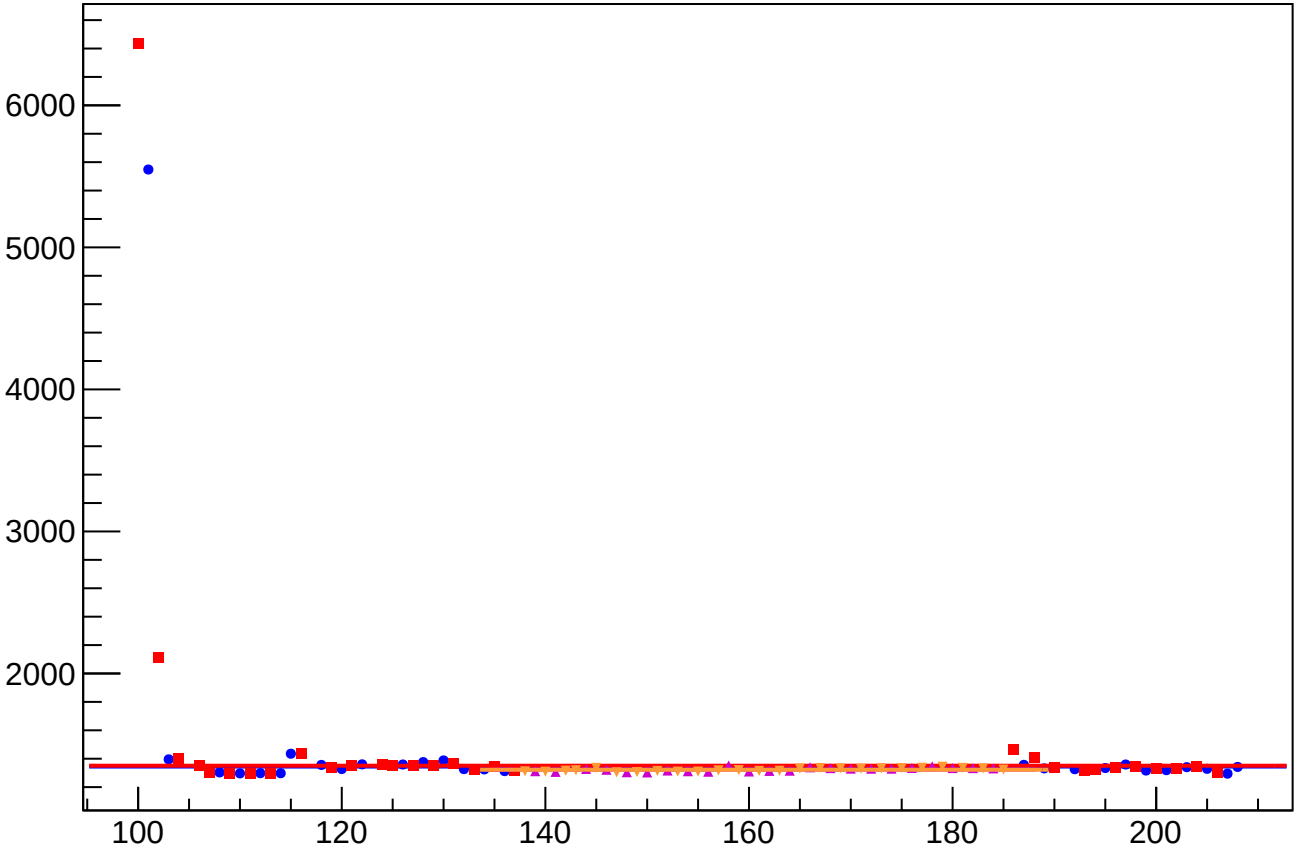
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -51.212+/-225.686 χ^2/NDF: 60.8/51

All: 61.136+/-160.512 χ^2/NDF: 109.3/104

- sign 176.137+/-228.334 χ^2/NDF: 48.1/52

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1344.828+/-0.242 χ^2/NDF: 767142.6/26

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1350.711+/-0.240 χ^2/NDF: 219837.1/29

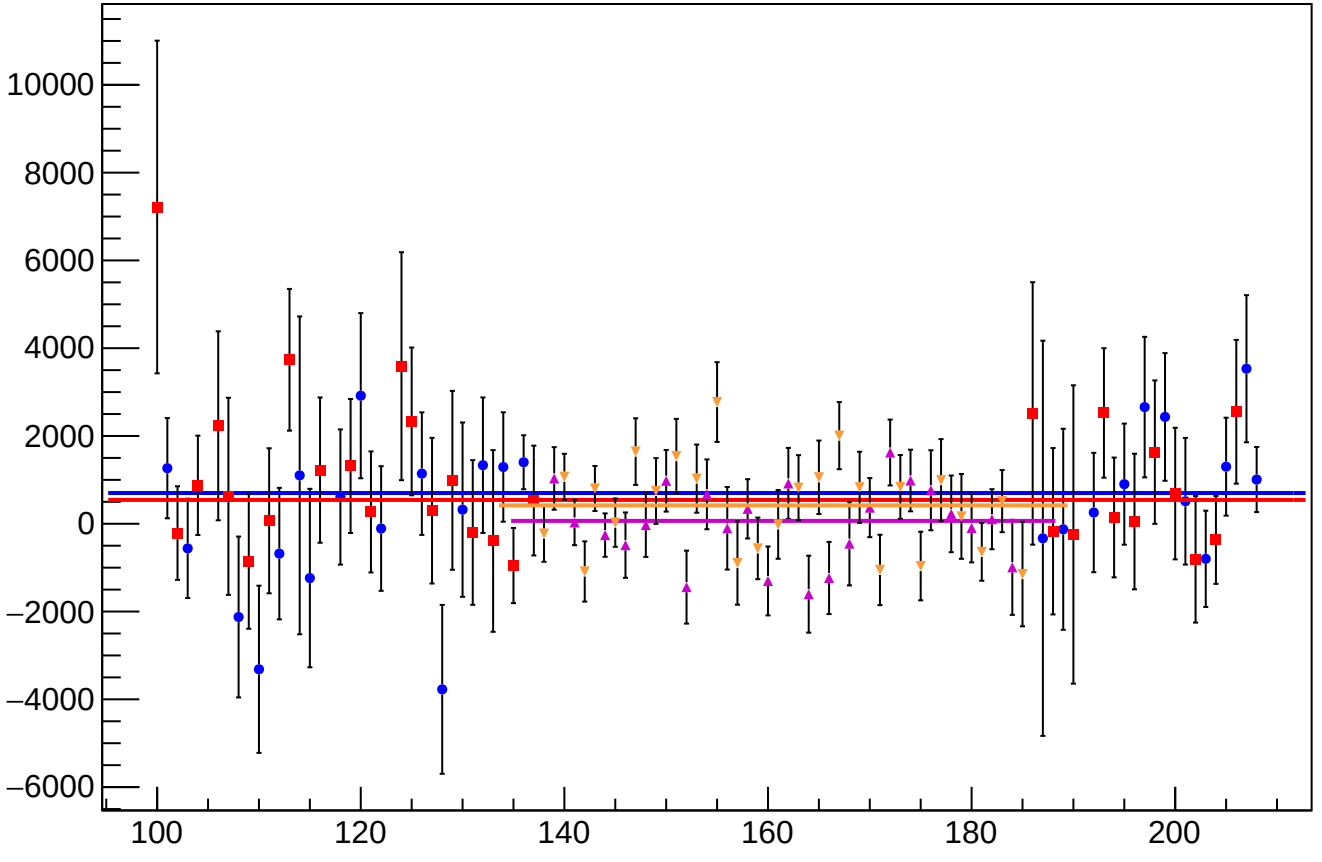
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.150+/-0.160 χ^2/NDF: 774943.8/51

All: 1333.935+/-0.113 χ^2/NDF: 1006015.3/10

- sign 1335.762+/-0.161 χ^2/NDF: 230818.3/52

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 701.042+/-255.751 χ^2/NDF: 27.5/26

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 542.945+/-278.294 χ^2/NDF: 21.9/29

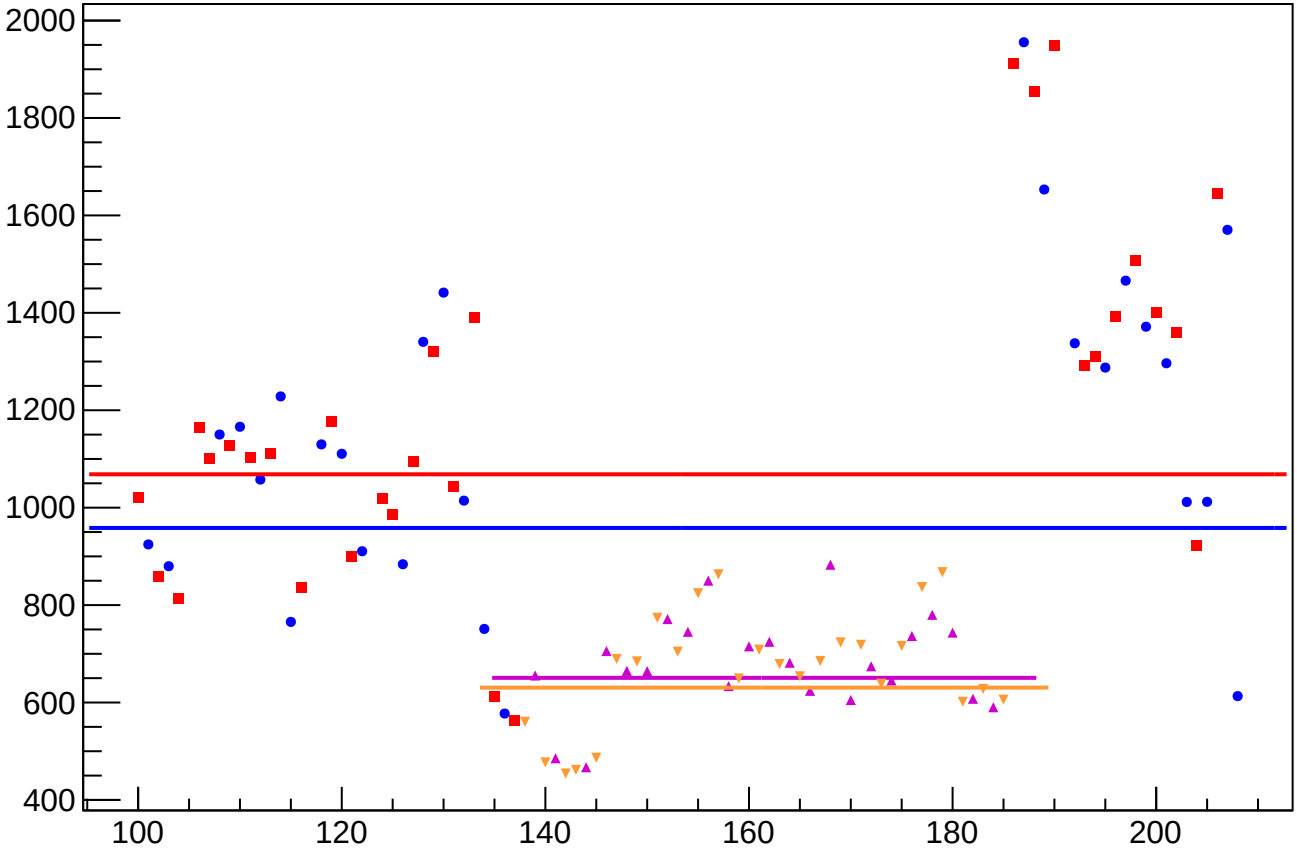
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 489.312+/-127.079 χ^2/NDF: 69.9/51

All: 342.750+/-92.498 χ^2/NDF: 124.0/104

- sign 177.606+/-134.895 χ^2/NDF: 51.2/52

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 958.403+/-0.181 χ^2/NDF: 2896868.2/26

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1068.544+/-0.197 χ^2/NDF: 2698894.4/29

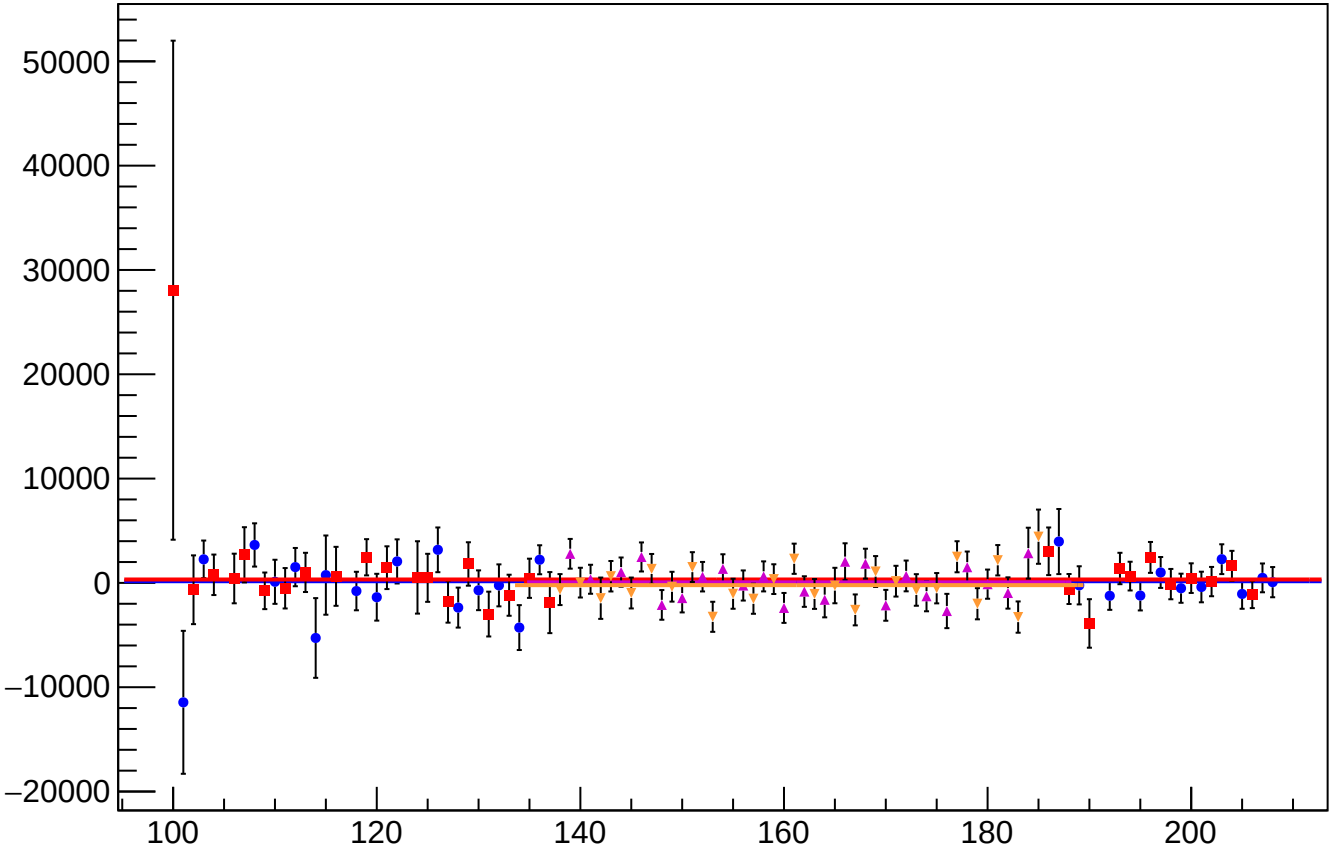
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 711.527+/-0.090 χ^2/NDF: 6700021.6/51

All: 729.065+/-0.065 χ^2/NDF: 13852405.7/10

- sign 748.826+/-0.095 χ^2/NDF: 7071371.9/52

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 161.141+/-341.991 χ^2/NDF: 28.8/26

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 327.595+/-338.911 χ^2/NDF: 19.9/29

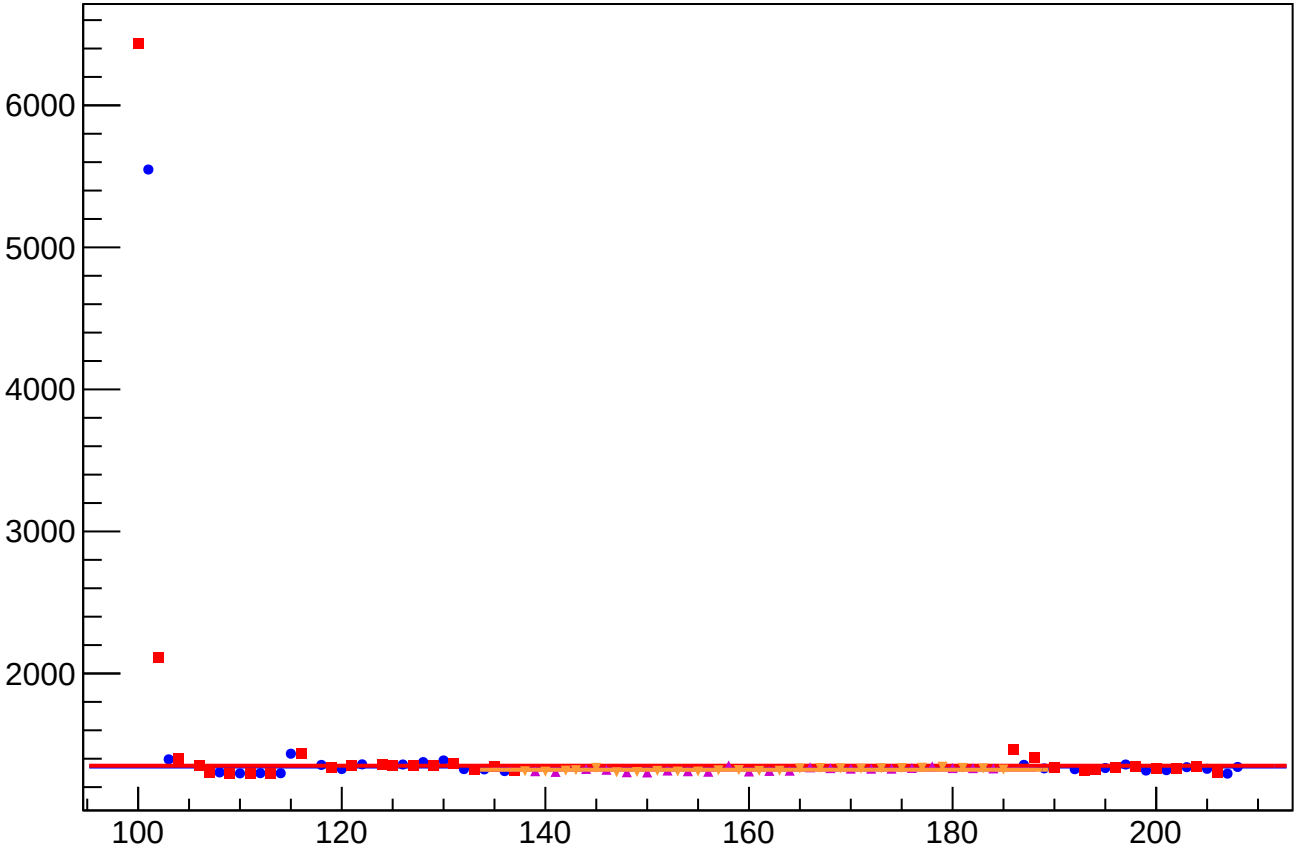
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -51.213+/-225.686 χ^2/NDF: 60.8/51

All: 61.136+/-160.512 χ^2/NDF: 109.3/104

- sign 176.137+/-228.334 χ^2/NDF: 48.1/52

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1344.828+/-0.242 χ^2/NDF: 767142.6/26

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

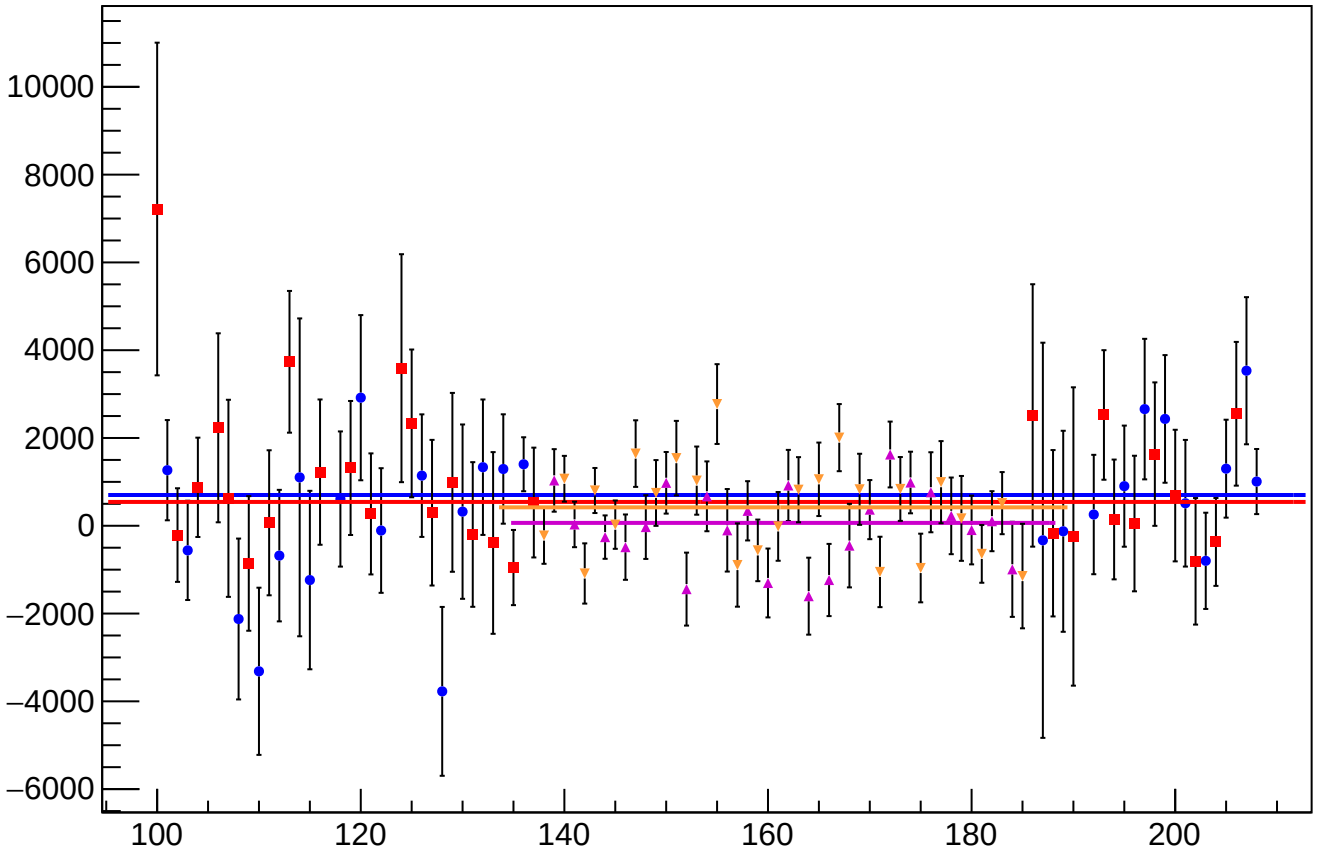
Right Out: 1350.711+/-0.240 χ^2/NDF: 219837.0/29

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.150+/-0.160 χ^2/NDF: 774943.7/51

All: 1333.935+/-0.113 χ^2/NDF: 1006015.1/10

- sign 1335.762+/-0.161 χ^2/NDF: 230818.2/52



Right In: 701.039+/-255.751 χ^2/NDF: 27.5/26

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 542.945+/-278.294 χ^2/NDF: 21.9/29

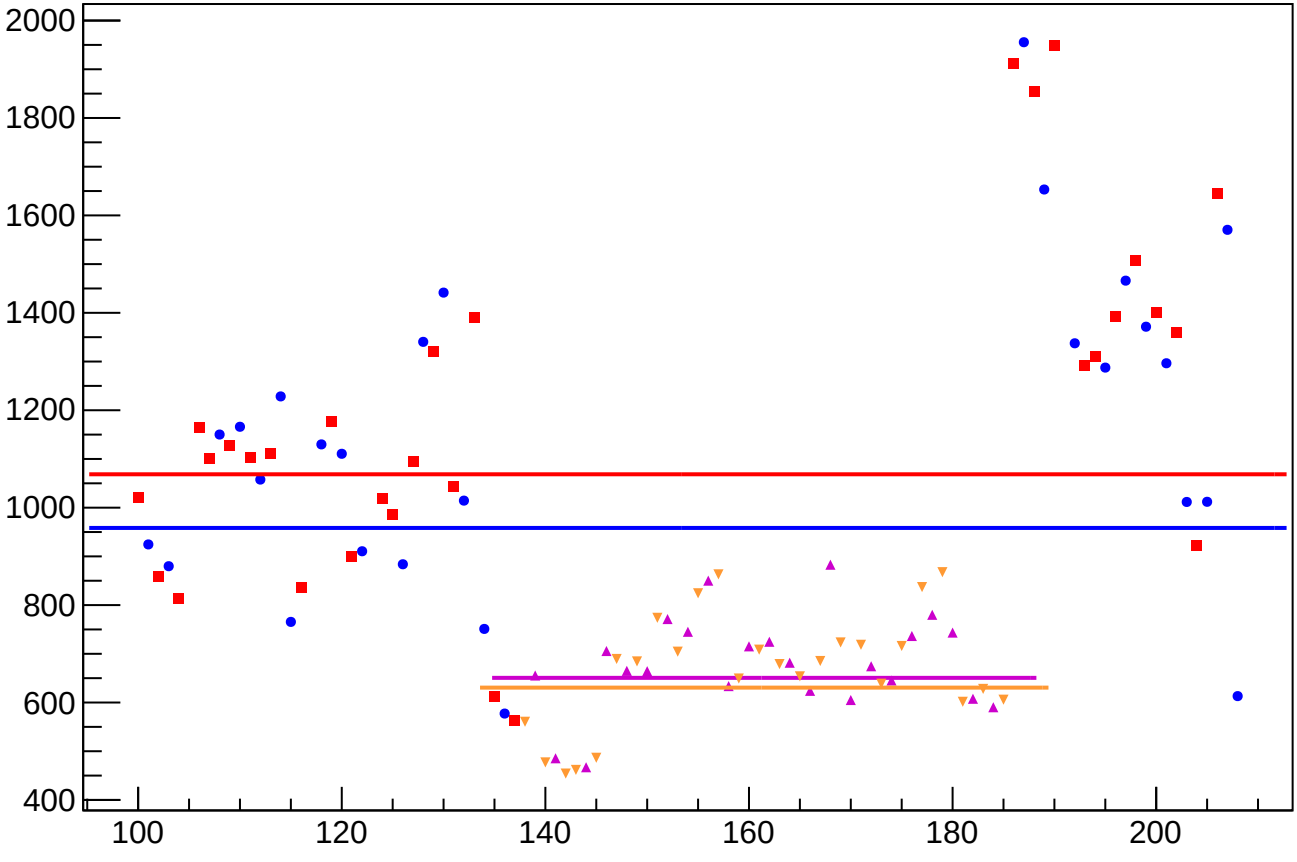
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

\+ sign 489.312+/-127.079 χ^2/NDF: 69.9/51

All: 342.750+/-92.498 χ^2/NDF: 124.0/104

\- sign 177.606+/-134.895 χ^2/NDF: 51.2/52

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 958.401+/-0.181 χ^2/NDF: 2896890.5/26

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1068.543+/-0.197 χ^2/NDF: 2698902.8/29

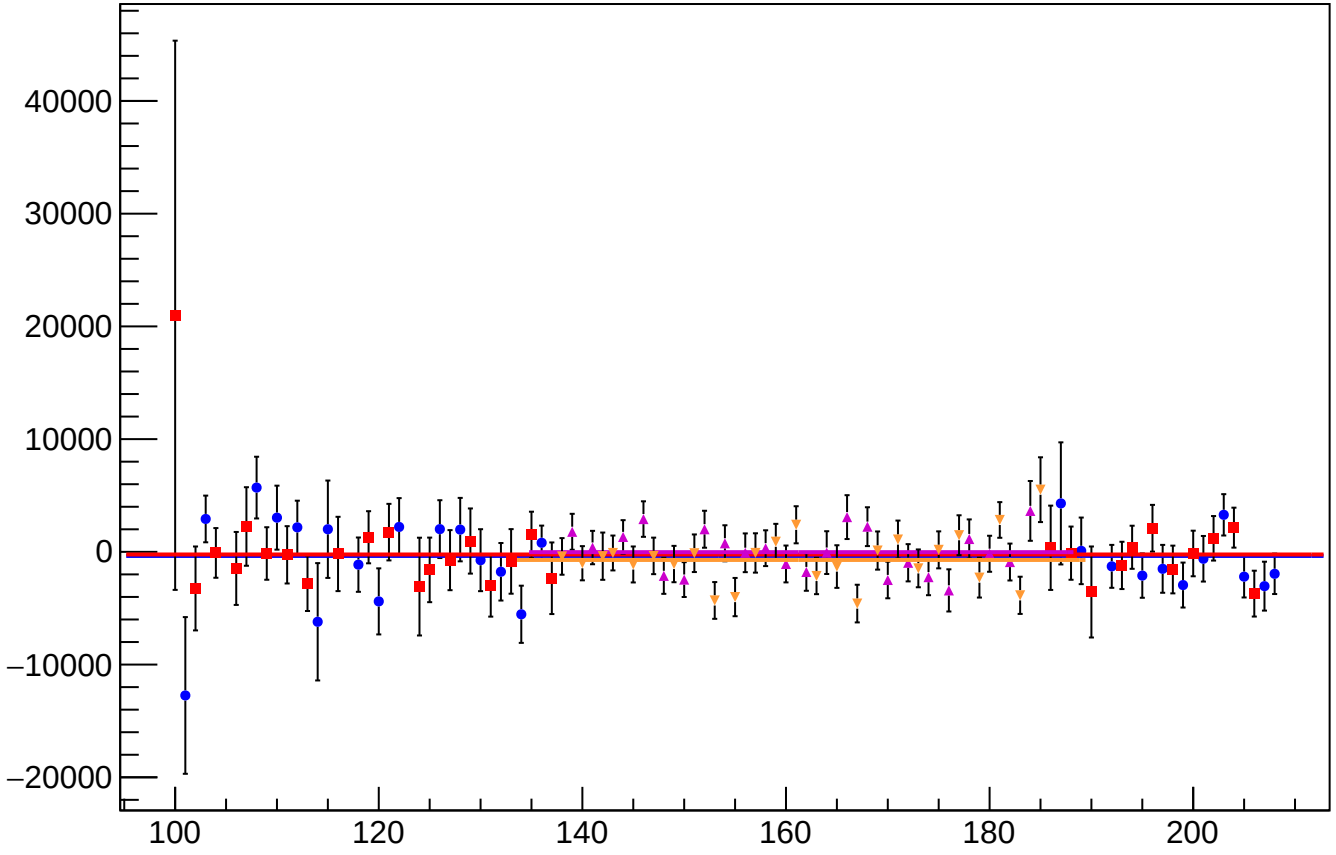
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 711.528+/-0.090 χ^2/NDF: 6700029.0/51

All: 729.066+/-0.065 χ^2/NDF: 13852397.2/10

- sign 748.827+/-0.095 χ^2/NDF: 7071353.1/52

asym_usr_atr1_dd_mean vs Slug



Right In: -361.592+/-452.312 χ^2/NDF: 35.4/26

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -233.821+/-458.530 χ^2/NDF: 15.3/29

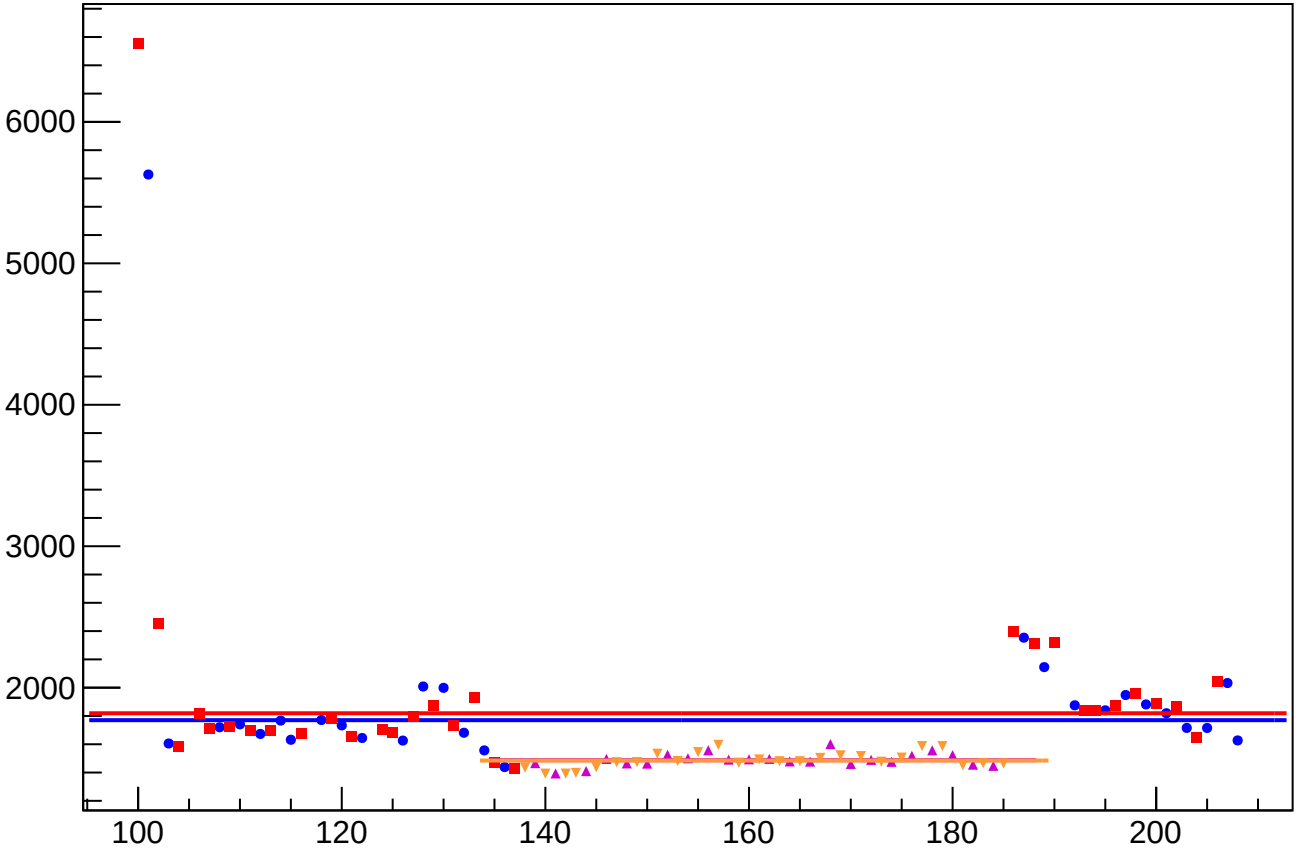
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -590.683+/-270.537 χ^2/NDF: 73.5/51

All: -352.397+/-193.512 χ^2/NDF: 118.5/104

- sign -102.755+/-276.909 χ^2/NDF: 43.4/52

asym_usr_atr1_dd_rms vs Slug



Right In: 1770.257+/-0.320 χ^2/NDF: 917069.2/26

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

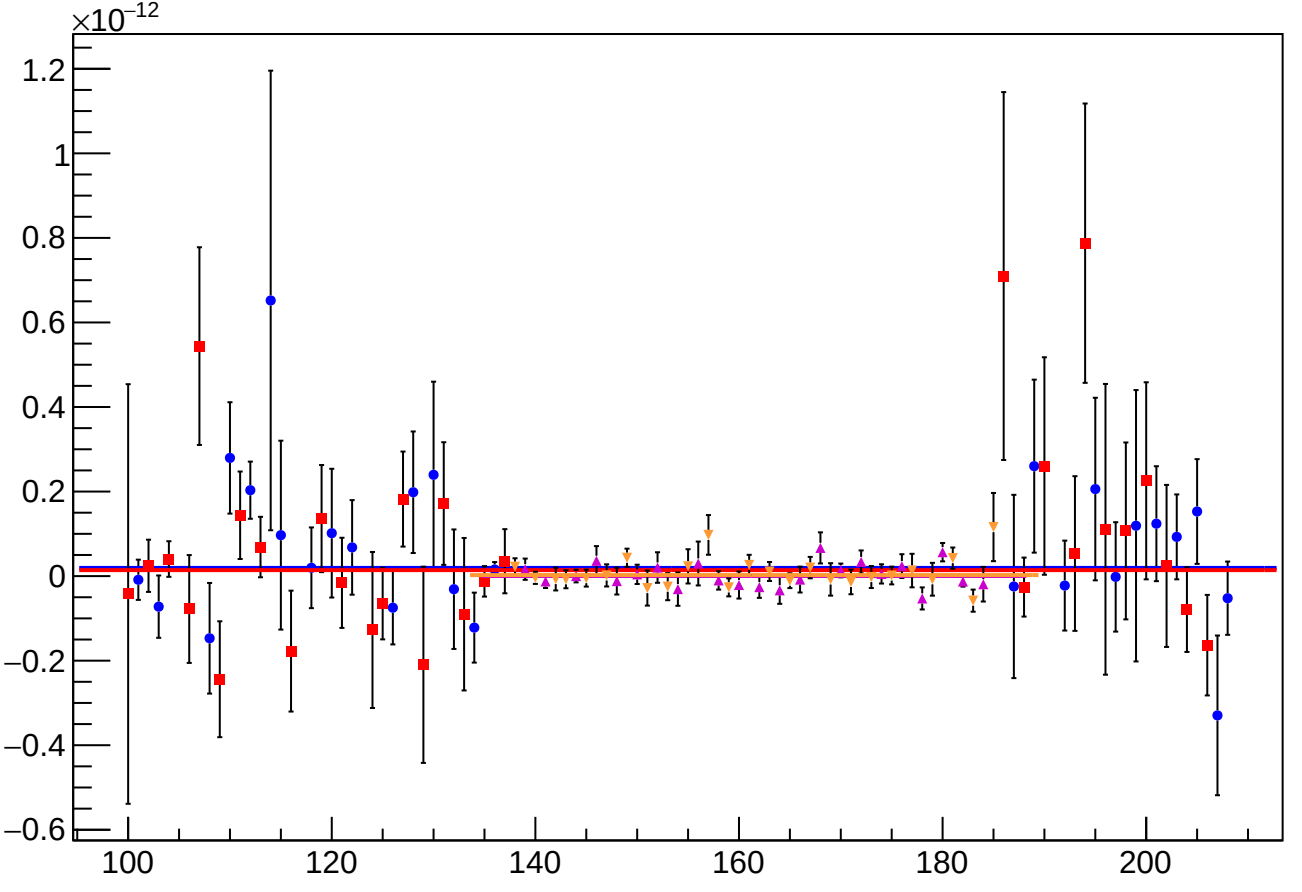
Right Out: 1819.154+/-0.324 χ^2/NDF: 505156.5/29

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1587.025+/-0.191 χ^2/NDF: 1479013.4/51

All: 1597.370+/-0.137 χ^2/NDF: 2691257.9/10

- sign 1608.209+/-0.196 χ^2/NDF: 1206255.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 32.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/29

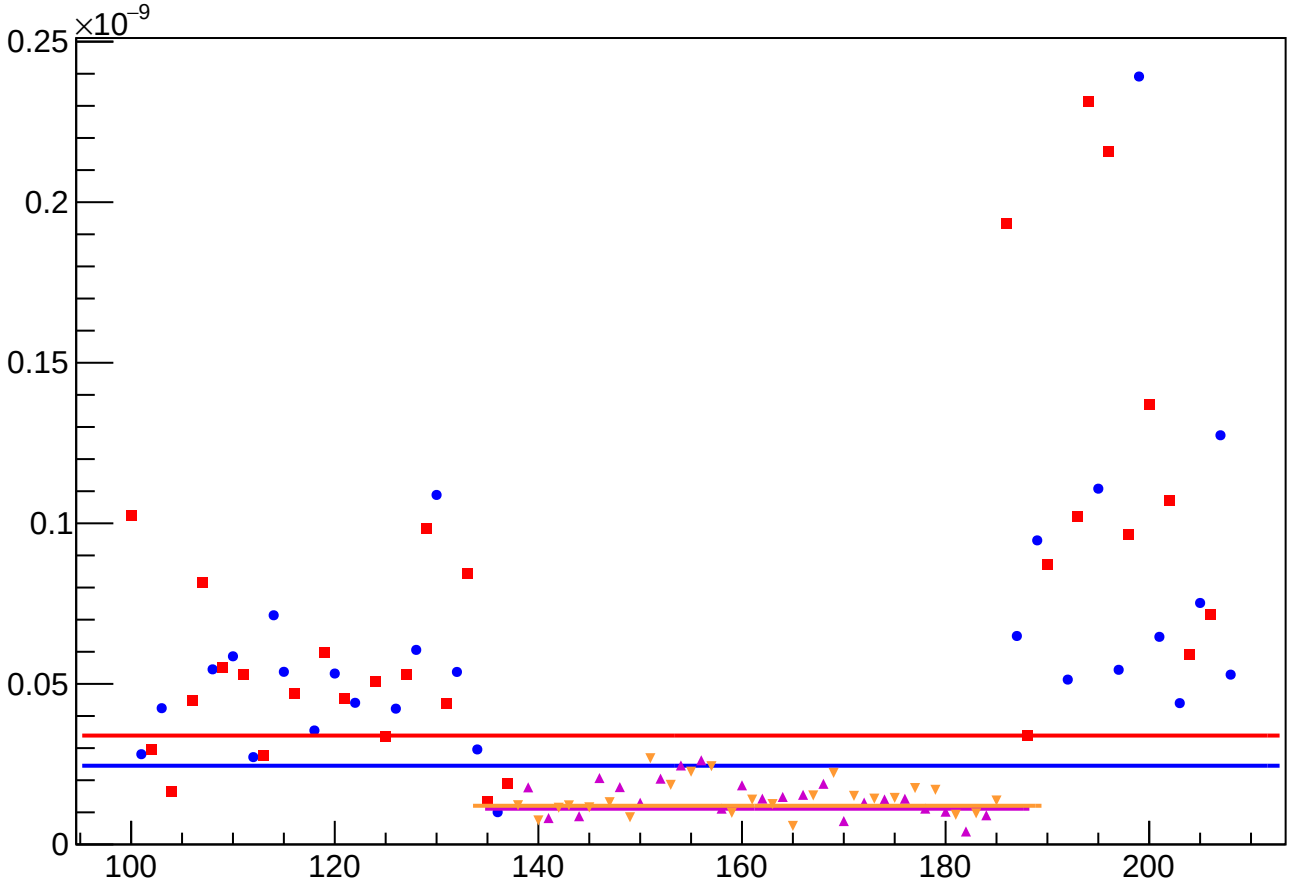
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.2/51

All: 0.000+/-0.000 χ^2/NDF: 119.8/104

- sign 0.000+/-0.000 χ^2/NDF: 60.4/52

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5670904.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4973492.3/29

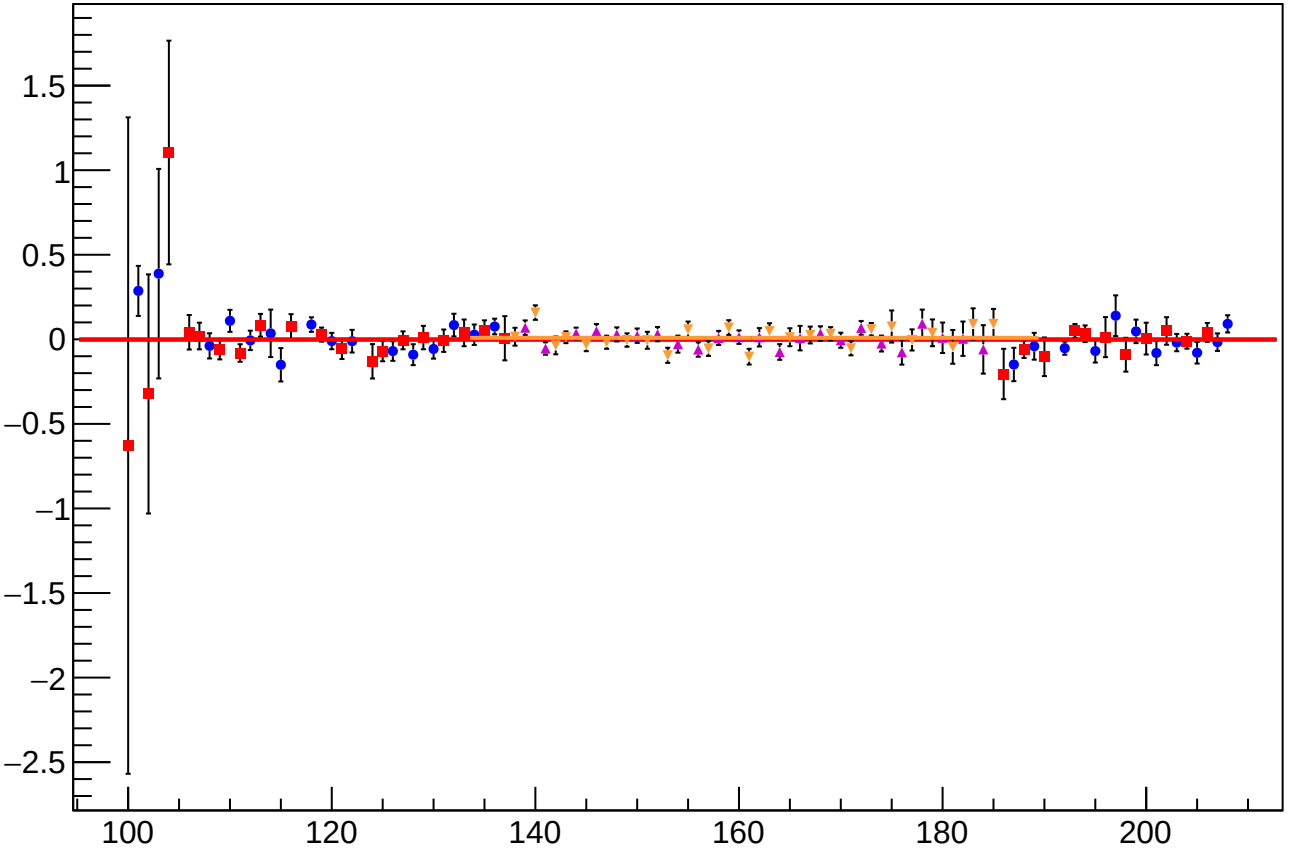
Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8683595.3/51

All: 0.000+/-0.000 χ^2/NDF: 19029313.4/104

- sign 0.000+/-0.000 χ^2/NDF: 10317978.5/52

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.012 χ^2/NDF: 36.3/26

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.001+/-0.012 χ^2/NDF: 22.8/29

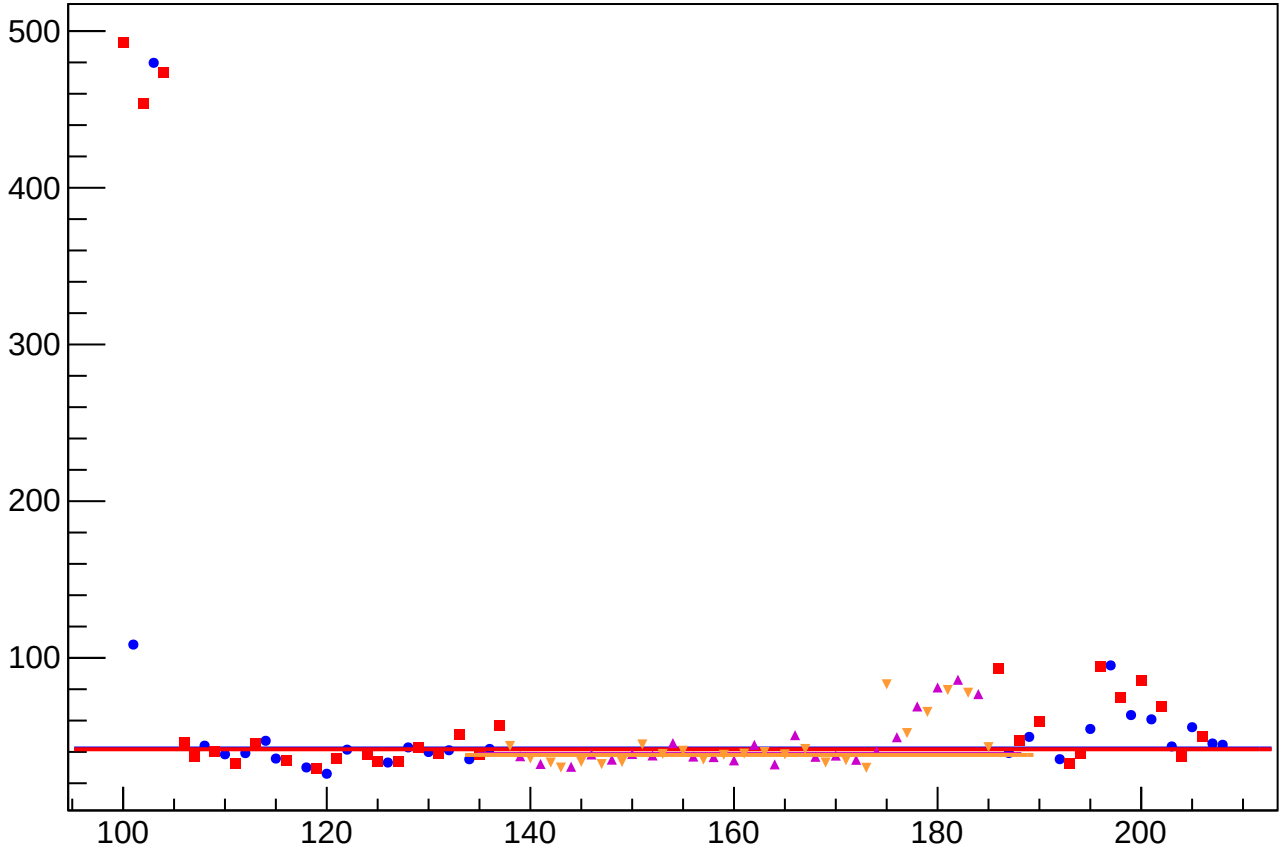
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.007 χ^2/NDF: 75.3/51

All: 0.005+/-0.005 χ^2/NDF: 117.4/104

- sign 0.004+/-0.008 χ^2/NDF: 42.0/52

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 42.174+/-0.008 χ^2/NDF: 2843238.5/26

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 41.678+/-0.009 χ^2/NDF: 3839178.5/29

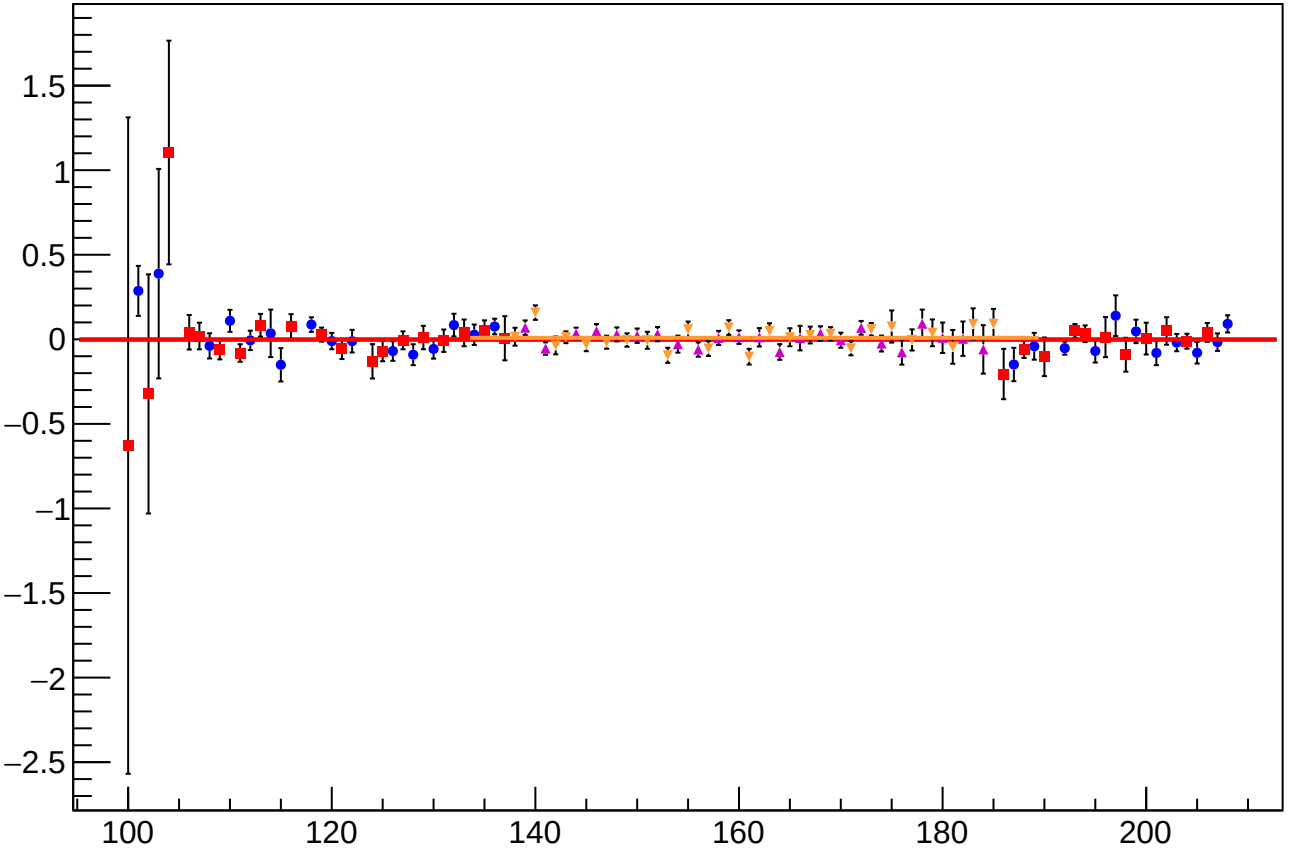
Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 39.663+/-0.005 χ^2/NDF: 4953455.5/51

All: 39.748+/-0.004 χ^2/NDF: 10595774.5/104

- sign 39.839+/-0.005 χ^2/NDF: 5641783.0/52

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.012 χ^2/NDF: 36.3/26

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.001+/-0.012 χ^2/NDF: 22.8/29

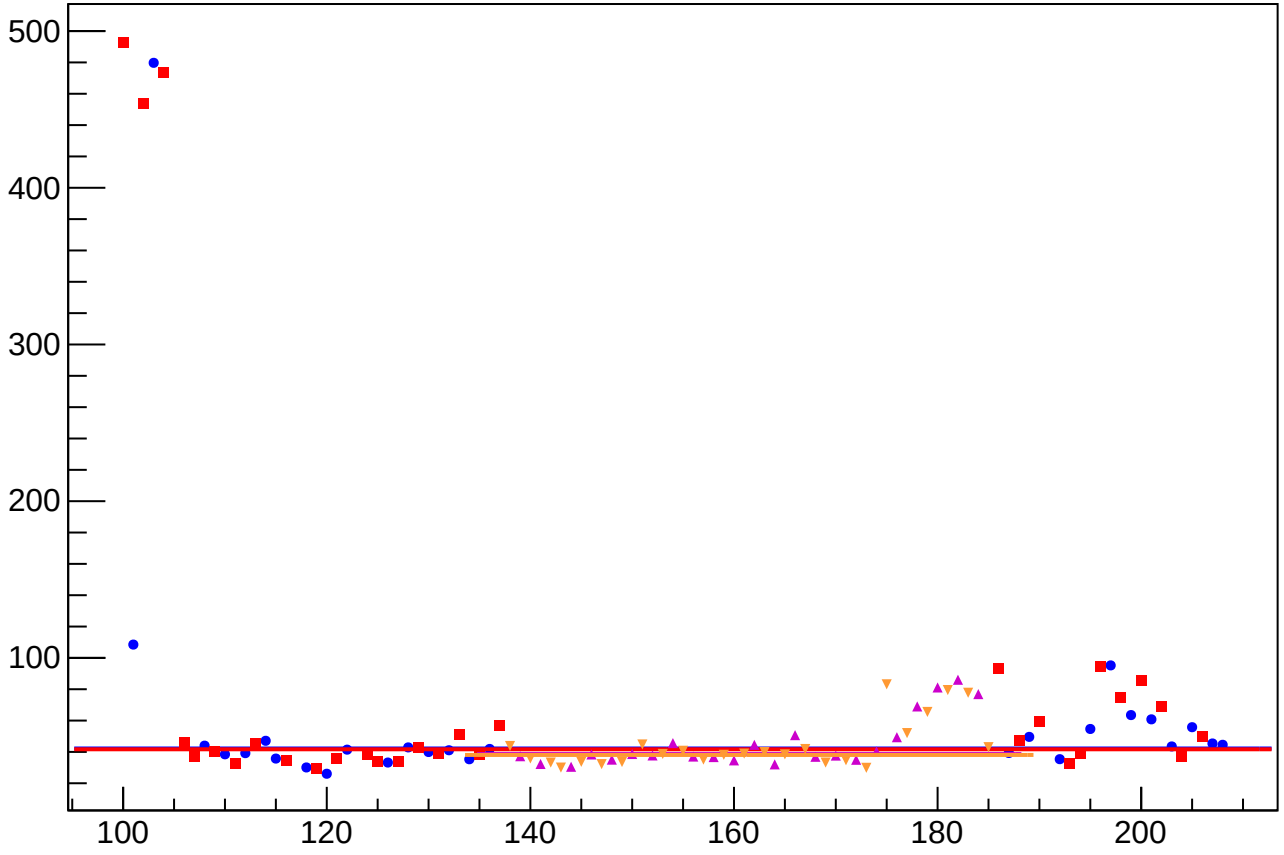
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.007 χ^2/NDF: 75.3/51

All: 0.005+/-0.005 χ^2/NDF: 117.4/104

- sign 0.004+/-0.008 χ^2/NDF: 42.0/52

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.174+/-0.008 χ^2/NDF: 2843238.5/26

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

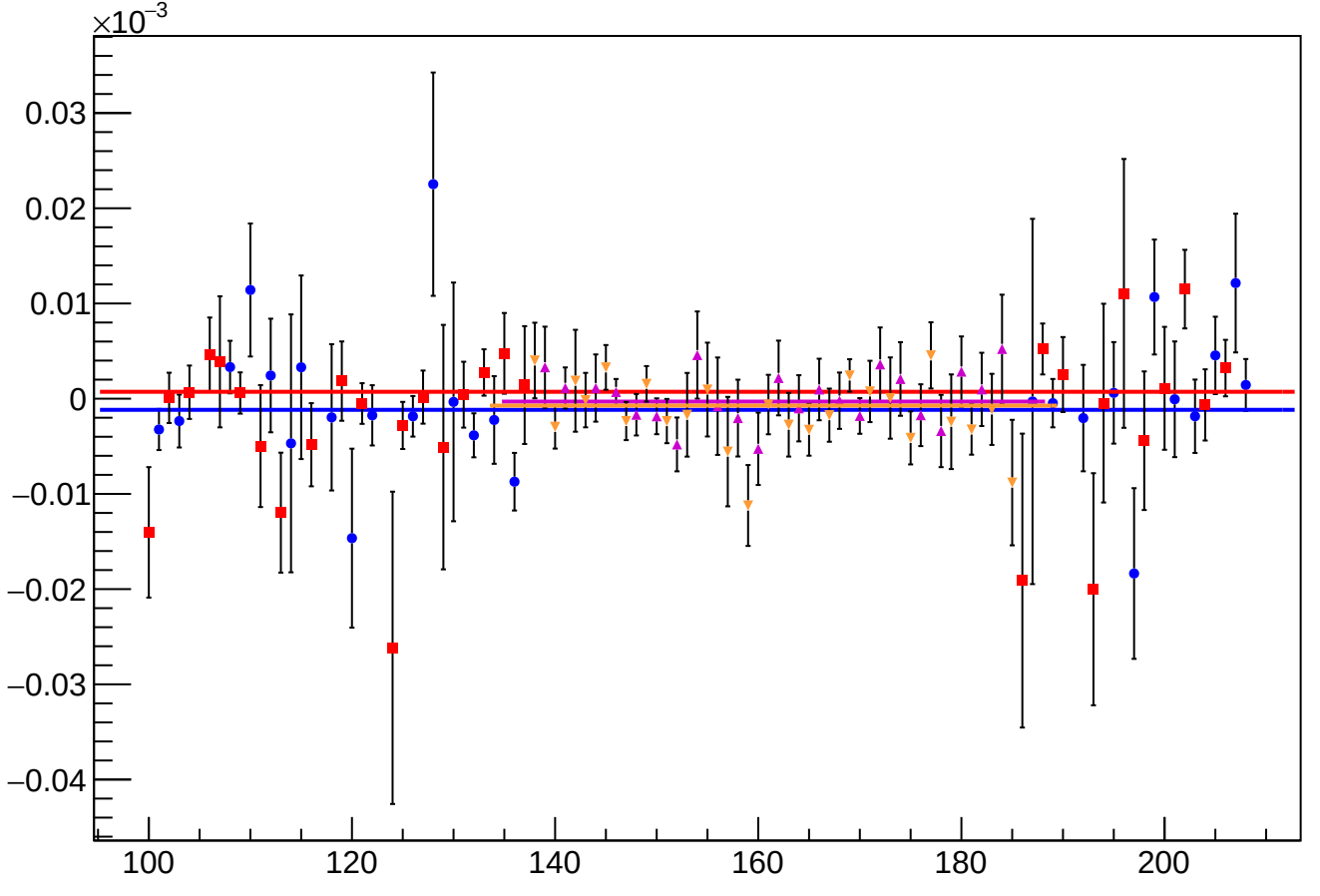
Right Out: 41.678+/-0.009 χ^2/NDF: 3839178.5/29

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 39.663+/-0.005 χ^2/NDF: 4953455.5/51

All: 39.748+/-0.004 χ^2/NDF: 10595774.5/104

\- sign 39.839+/-0.005 χ^2/NDF: 5641783.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 35.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/29

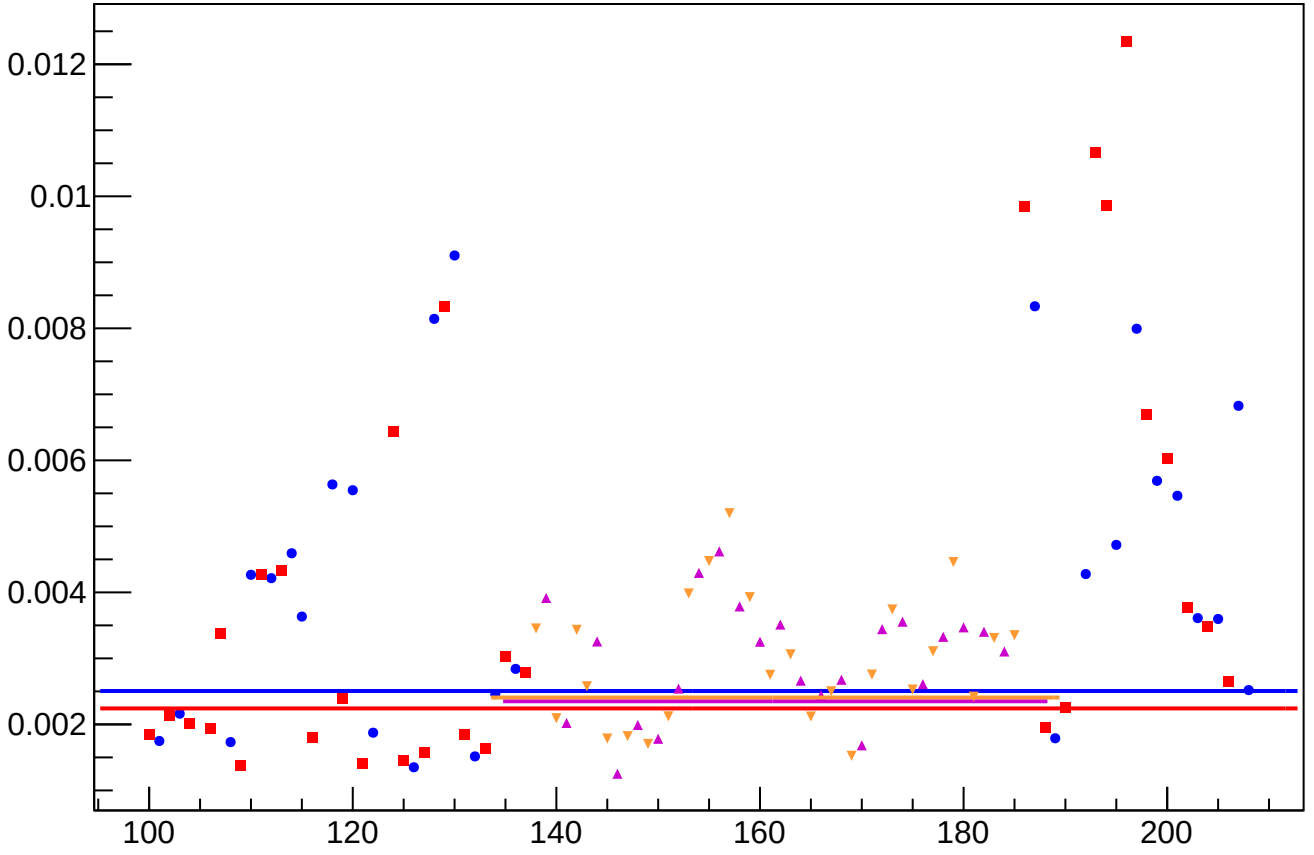
Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.4/51

All: -0.000+/-0.000 χ^2/NDF: 115.7/104

- sign 0.000+/-0.000 χ^2/NDF: 50.8/52

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 7098561.9/26

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

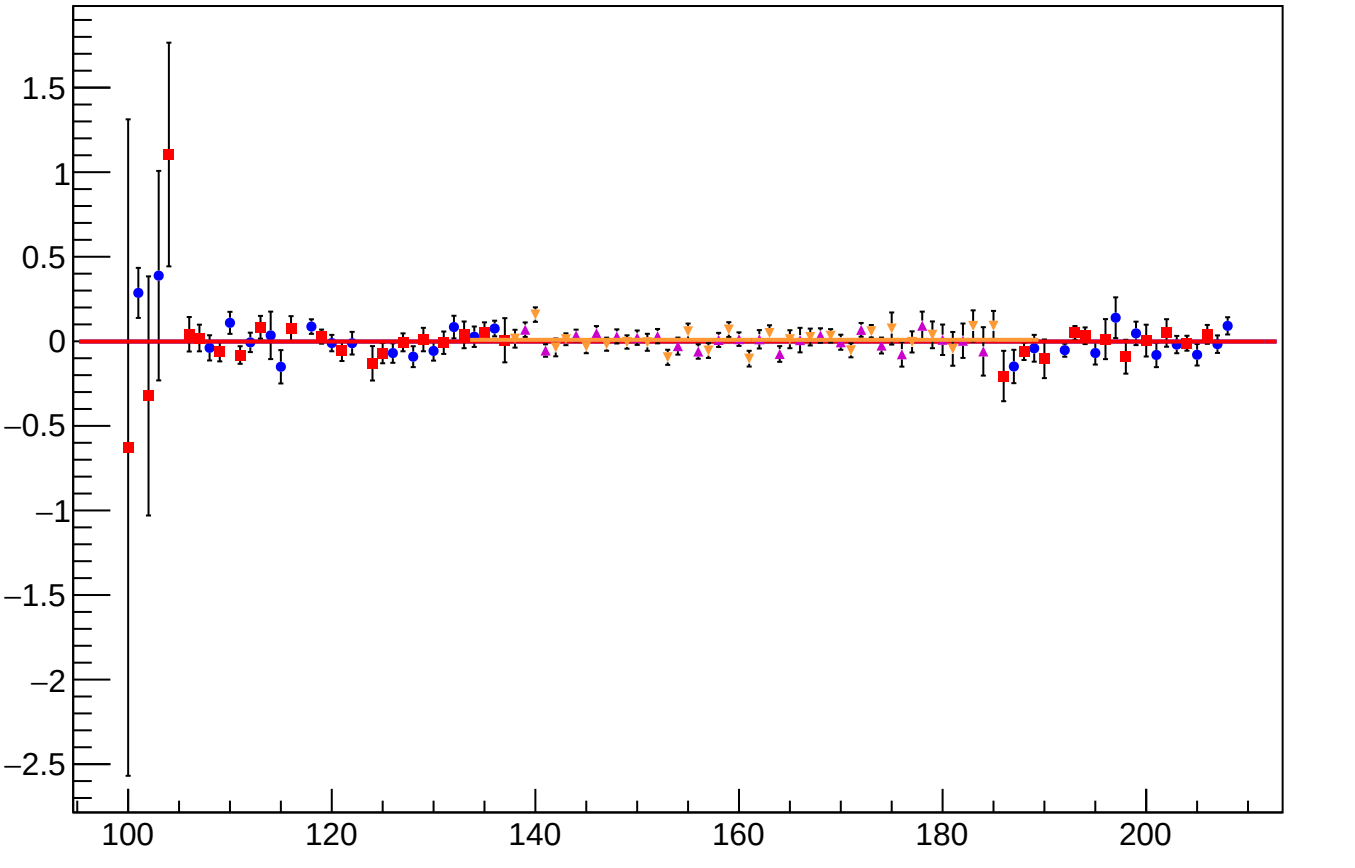
Right Out: 0.002+/-0.000 χ^2/NDF: 7819649.1/29

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 10803369.9/51

All: 0.002+/-0.000 χ^2/NDF: 23186337.7/104

- sign 0.002+/-0.000 χ^2/NDF: 12286425.2/52



Right In: -0.001+/-0.012 χ^2/NDF: 36.3/26

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.001+/-0.012 χ^2/NDF: 22.8/29

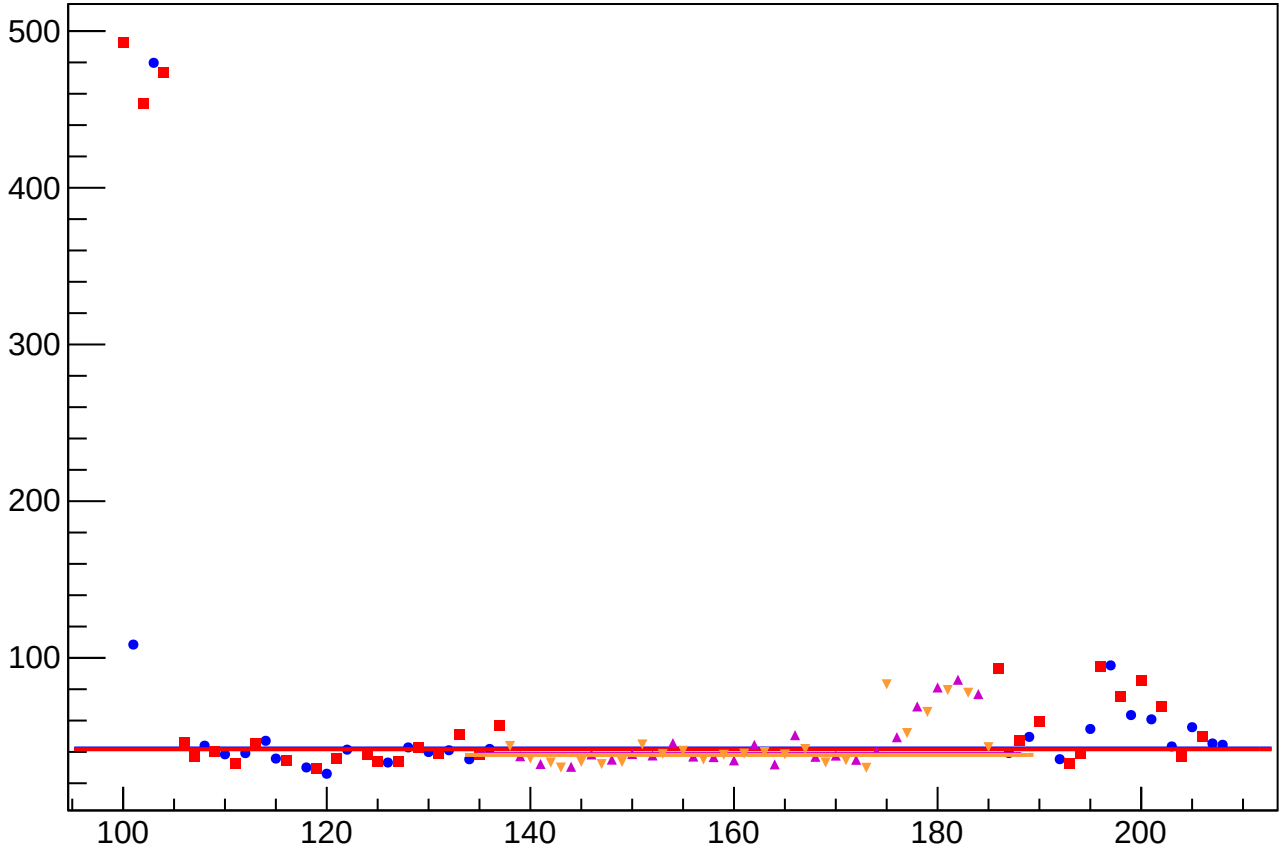
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.007 χ^2/NDF: 75.3/51

All: 0.005+/-0.005 χ^2/NDF: 117.4/104

- sign 0.004+/-0.008 χ^2/NDF: 42.0/52

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 42.174+/-0.008 χ^2/NDF: 2843428.6/26

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

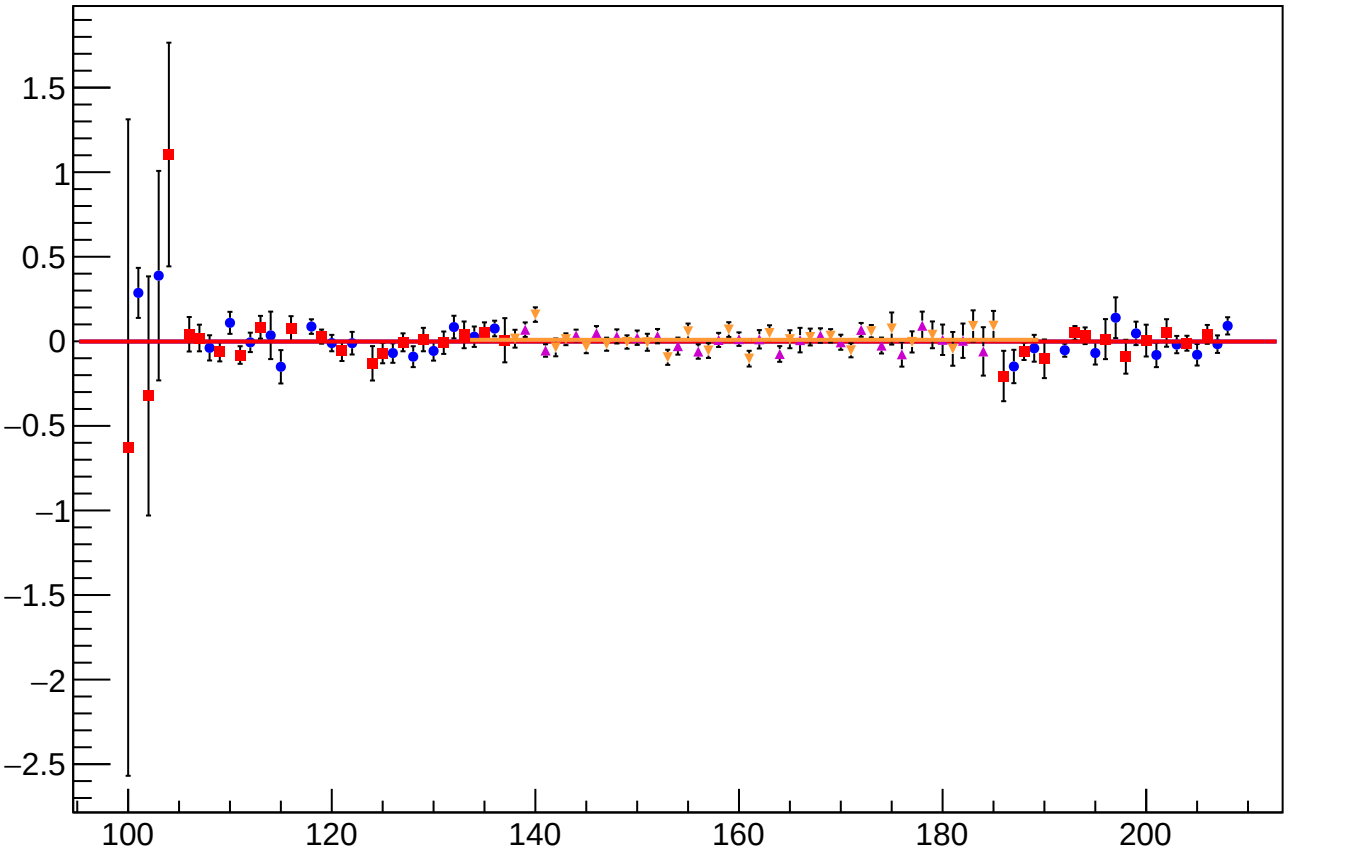
Right Out: 41.675+/-0.009 χ^2/NDF: 3839693.3/29

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.663+/-0.005 χ^2/NDF: 4953616.1/51

All: 39.747+/-0.004 χ^2/NDF: 10596346.7/104

- sign 39.837+/-0.005 χ^2/NDF: 5642201.1/52



Right In: -0.001+/-0.012 χ^2/NDF: 36.3/26

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

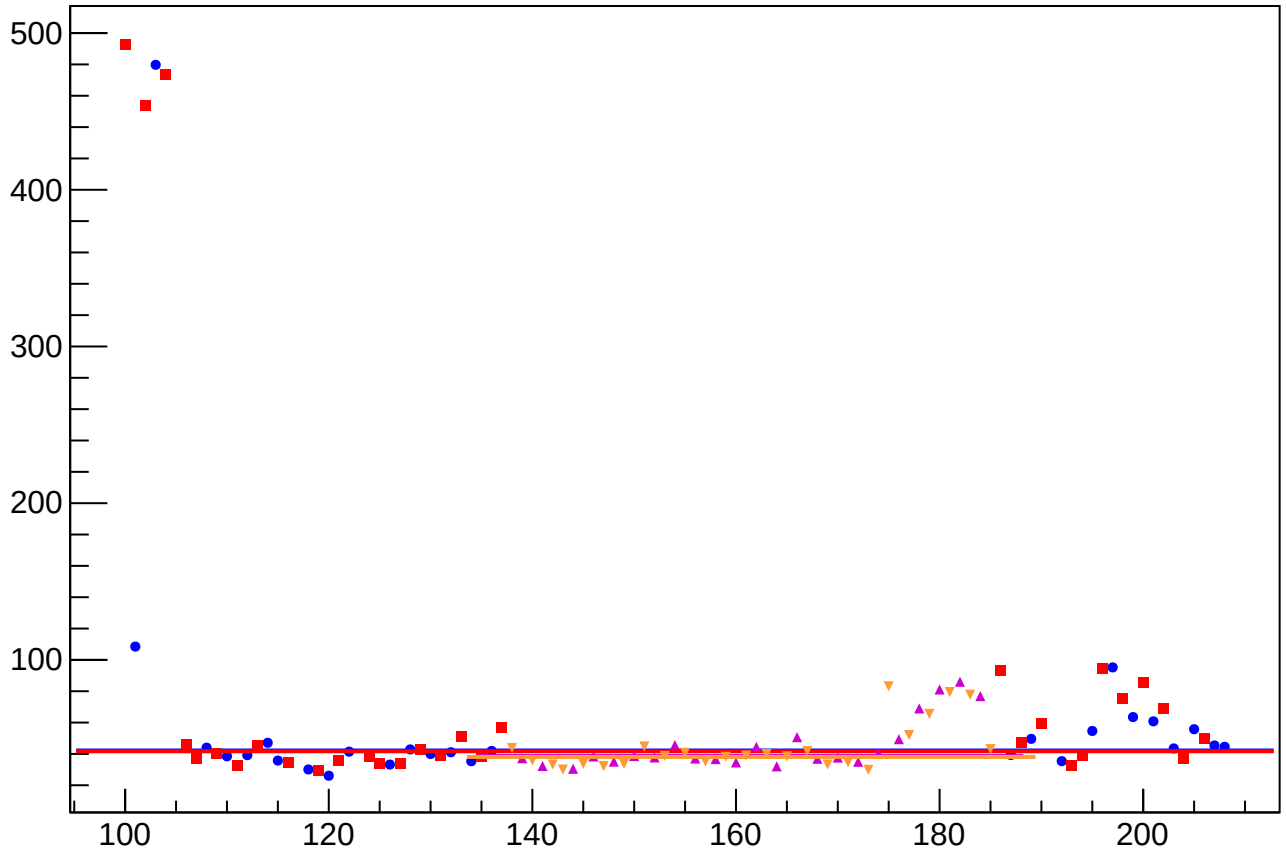
Right Out: -0.001+/-0.012 χ^2/NDF: 22.8/29

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.007 χ^2/NDF: 75.3/51

All: 0.005+/-0.005 χ^2/NDF: 117.4/104

- sign 0.004+/-0.008 χ^2/NDF: 42.0/52



Right In: 42.174+/-0.008 χ^2/NDF: 2843428.6/26

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

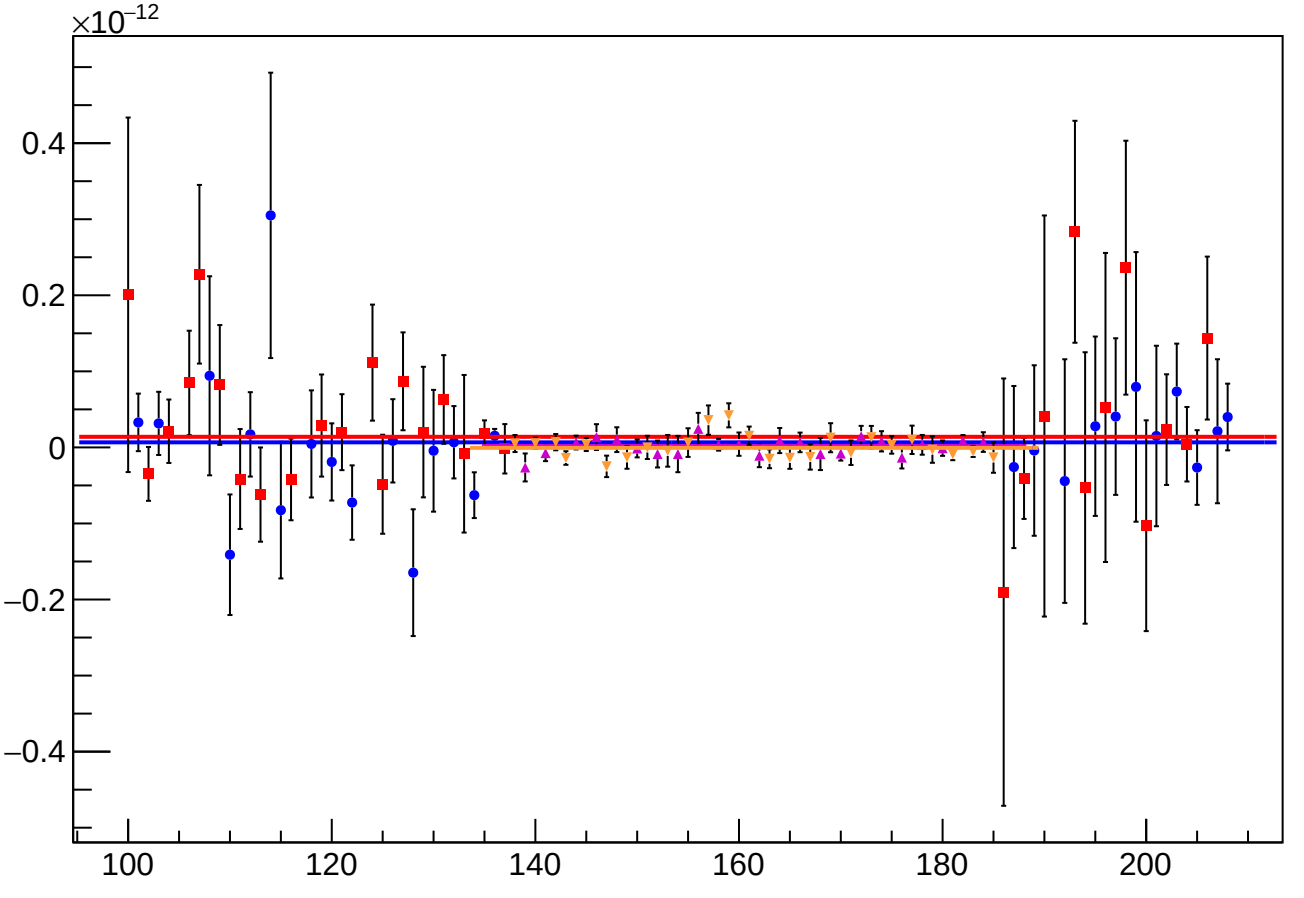
Right Out: 41.675+/-0.009 χ^2/NDF: 3839693.3/29

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.663+/-0.005 χ^2/NDF: 4953616.1/51

All: 39.747+/-0.004 χ^2/NDF: 10596346.7/104

- sign 39.837+/-0.005 χ^2/NDF: 5642201.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 24.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

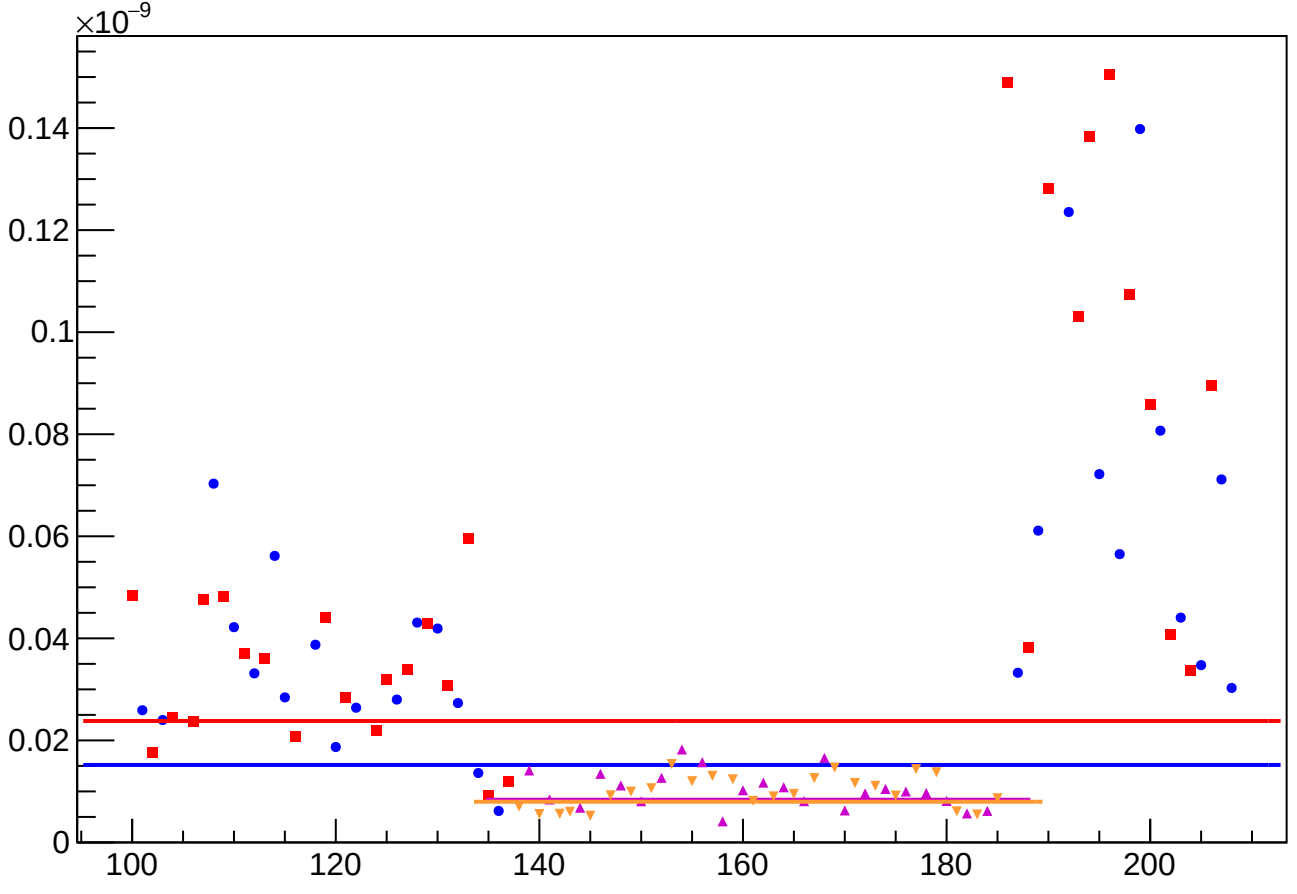
Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/29

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.2/51

All: 0.000+/-0.000 χ^2/NDF: 90.9/104

- sign 0.000+/-0.000 χ^2/NDF: 38.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 9591763.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7829472.5/29

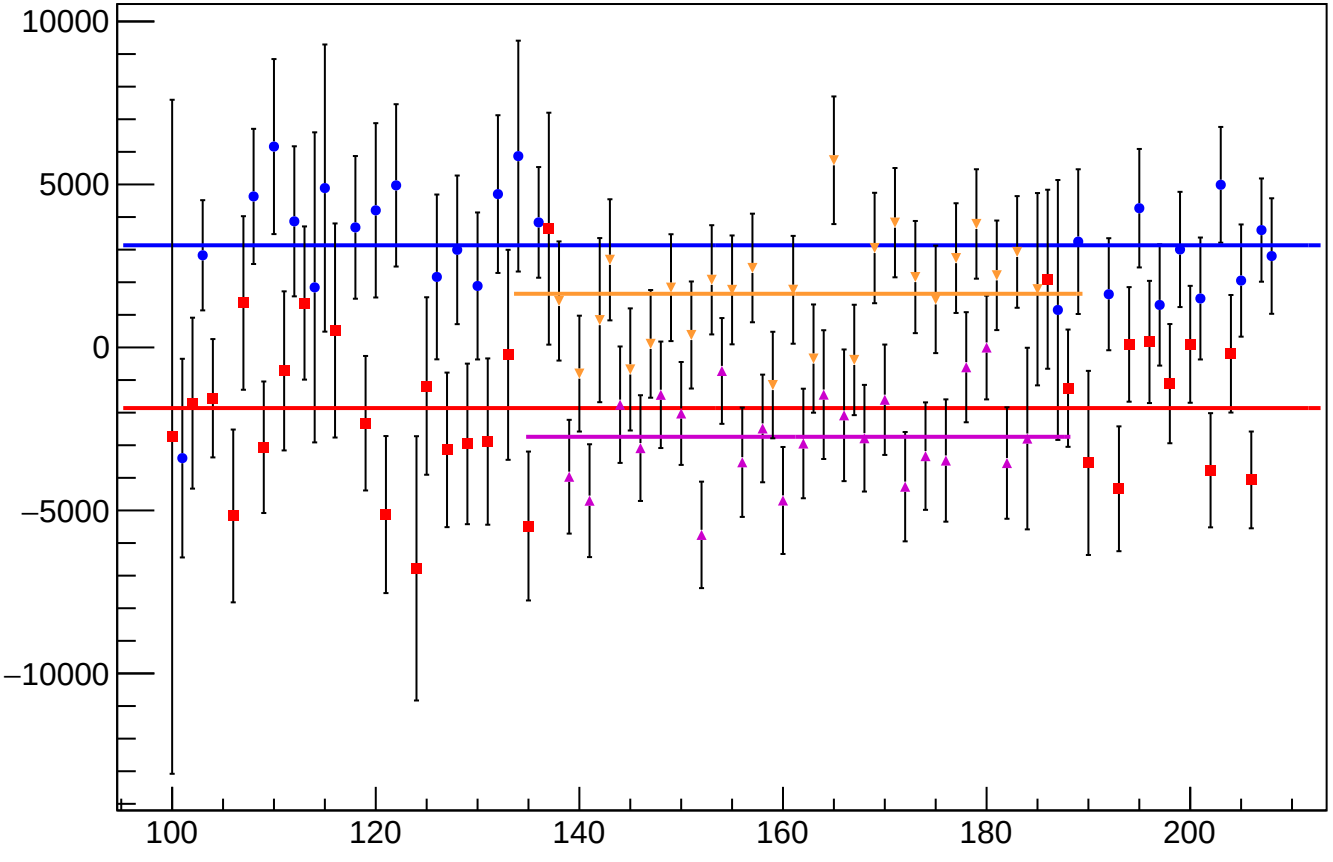
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 14224453.4/51

All: 0.000+/-0.000 χ^2/NDF: 29476598.0/104

- sign 0.000+/-0.000 χ^2/NDF: 15177572.3/52

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3133.724+/-410.261 χ^2/NDF: 13.9/26

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1859.708+/-406.836 χ^2/NDF: 27.5/29

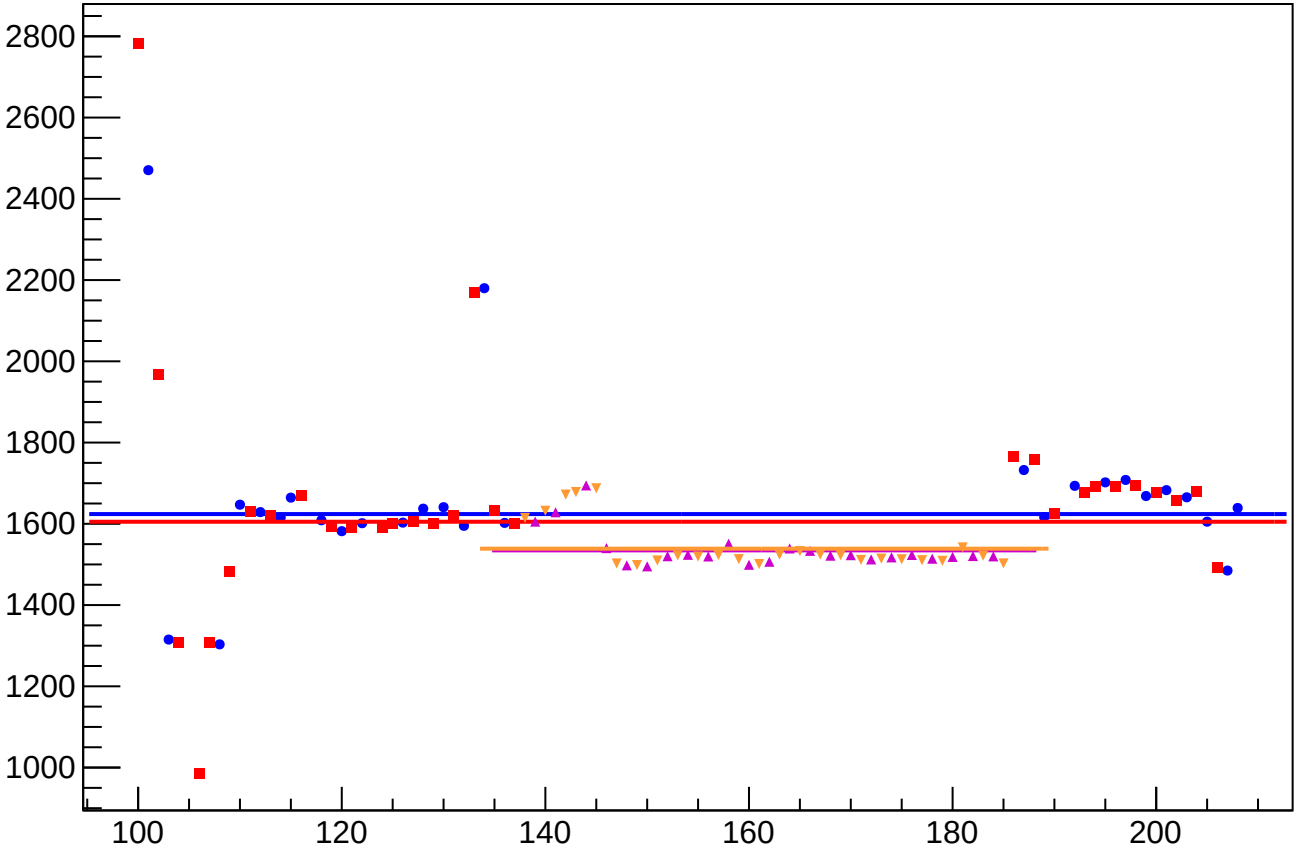
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2272.407+/-266.163 χ^2/NDF: 42.6/51

All: -17.553+/-189.185 χ^2/NDF: 238.8/104

- sign -2355.800+/-268.954 χ^2/NDF: 46.6/52

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1623.987+/-0.290 χ^2/NDF: 353033.7/26

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1605.085+/-0.285 χ^2/NDF: 455751.5/29

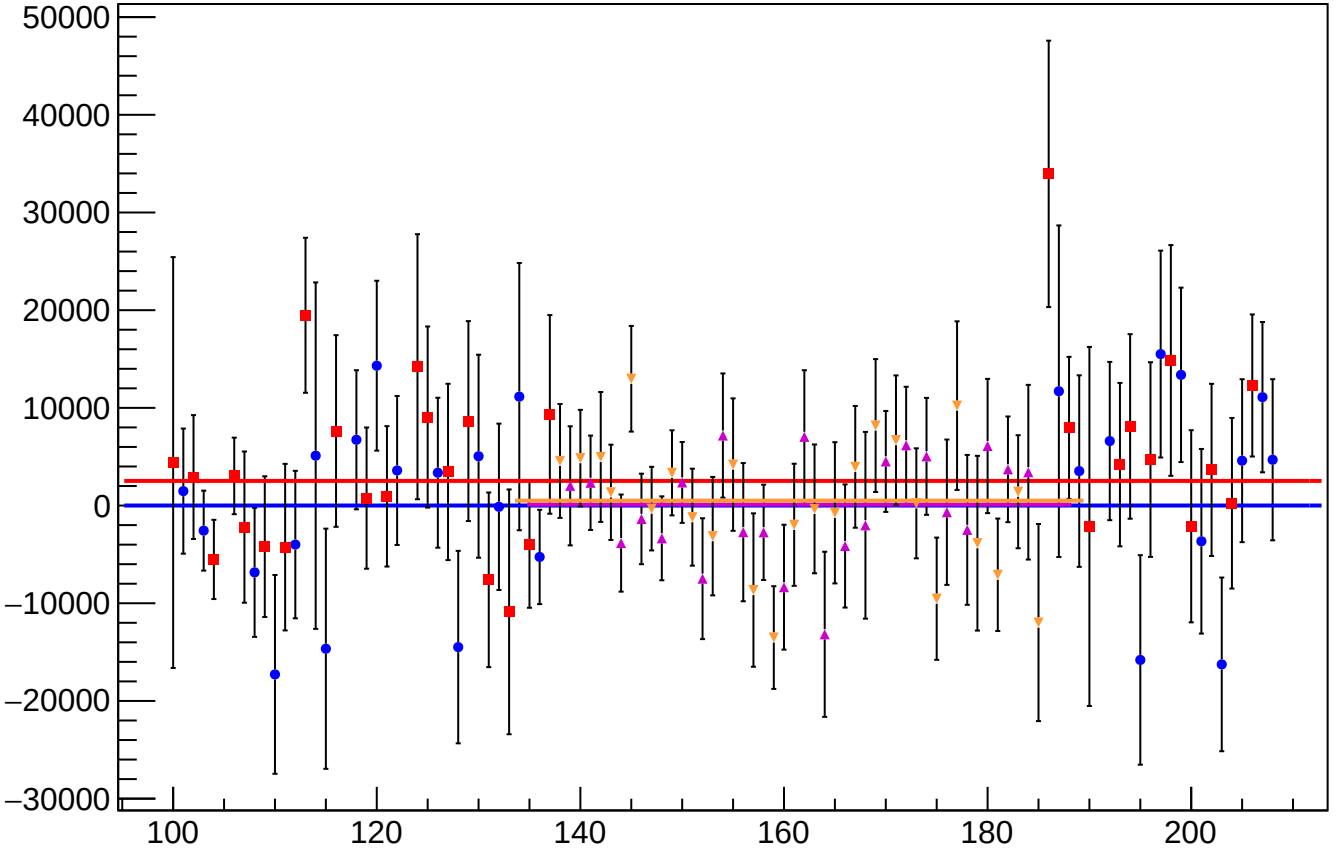
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1574.660+/-0.188 χ^2/NDF: 450014.1/51

All: 1570.208+/-0.134 χ^2/NDF: 972104.9/104

- sign 1565.695+/-0.190 χ^2/NDF: 520964.0/52

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: 5.016+/-1539.649 χ^2/NDF: 28.5/26

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 2523.823+/-1437.203 χ^2/NDF: 25.8/29

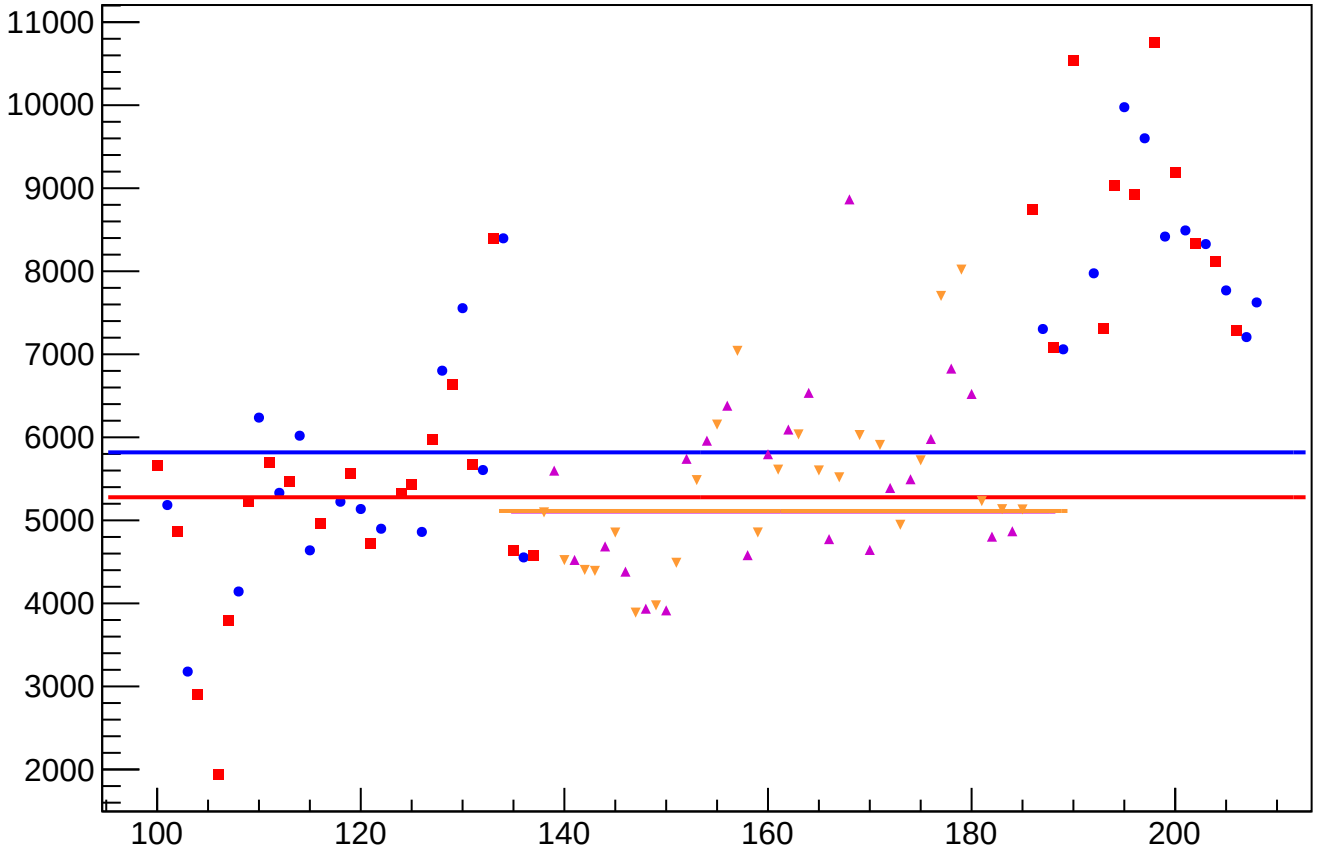
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

\+ sign 317.826+/-940.212 χ^2/NDF: 55.4/51

All: 719.441+/-660.835 χ^2/NDF: 98.1/104

\- sign 1111.546+/-929.013 χ^2/NDF: 42.4/52

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 5818.908+/-1.089 χ^2/NDF: 2886902.1/26

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5278.259+/-1.016 χ^2/NDF: 4918956.8/29

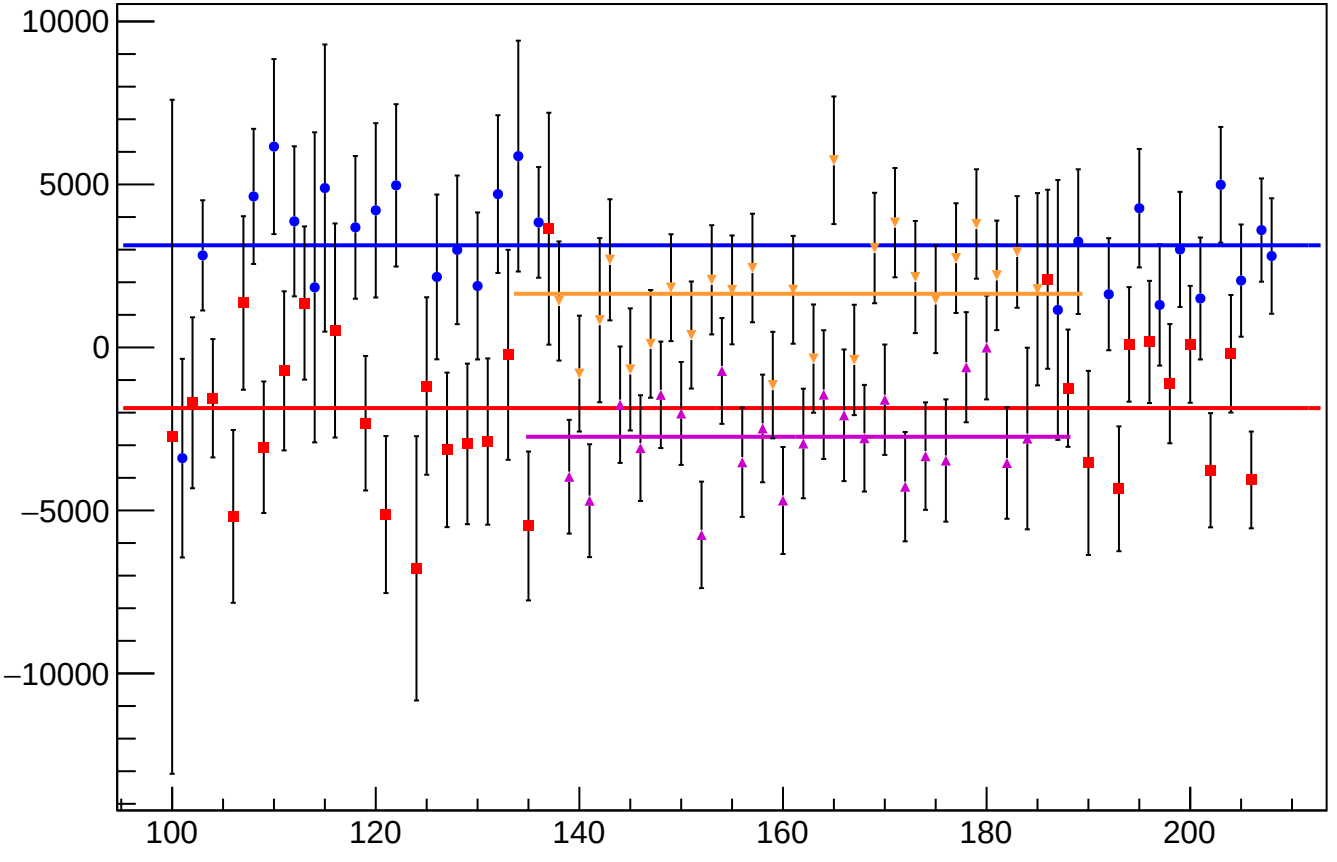
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5376.213+/-0.665 χ^2/NDF: 4309586.4/51

All: 5276.021+/-0.467 χ^2/NDF: 10541702.7/1

- sign 5178.201+/-0.657 χ^2/NDF: 6187230.7/52

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3133.612+/-410.261 χ^2/NDF: 13.9/26

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1859.711+/-406.837 χ^2/NDF: 27.5/29

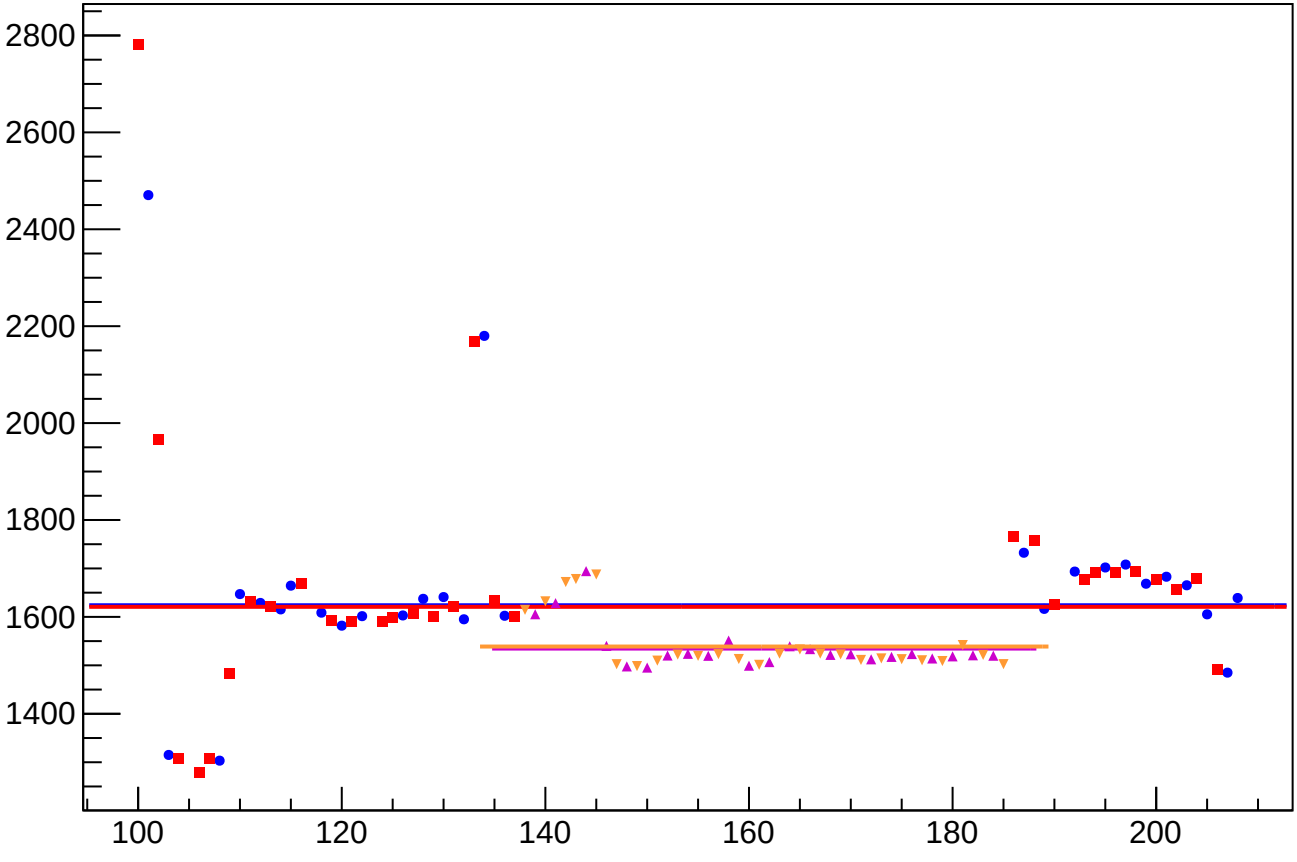
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2272.298+/-266.163 χ^2/NDF: 42.6/51

All: -17.580+/-189.185 χ^2/NDF: 238.8/104

- sign -2355.747+/-268.954 χ^2/NDF: 46.6/52

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1623.987+/-0.290 χ^2/NDF: 353032.8/26

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1620.807+/-0.287 χ^2/NDF: 303166.7/29

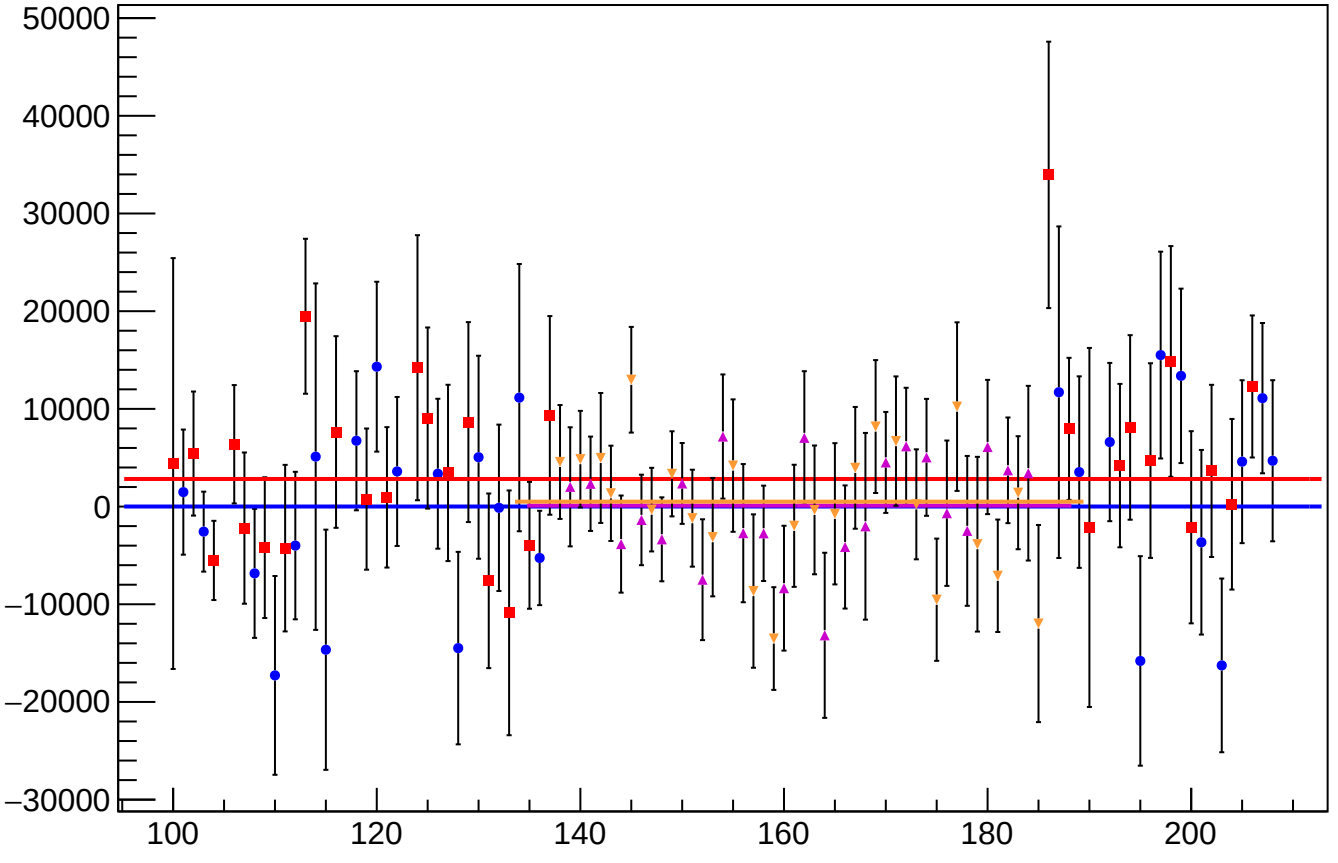
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1574.660+/-0.188 χ^2/NDF: 450013.3/51

All: 1573.523+/-0.134 χ^2/NDF: 835018.7/104

- sign 1572.364+/-0.190 χ^2/NDF: 384931.7/52

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: 4.951+/-1539.671 χ^2/NDF: 28.5/26

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2824.358+/-1497.178 χ^2/NDF: 26.4/29

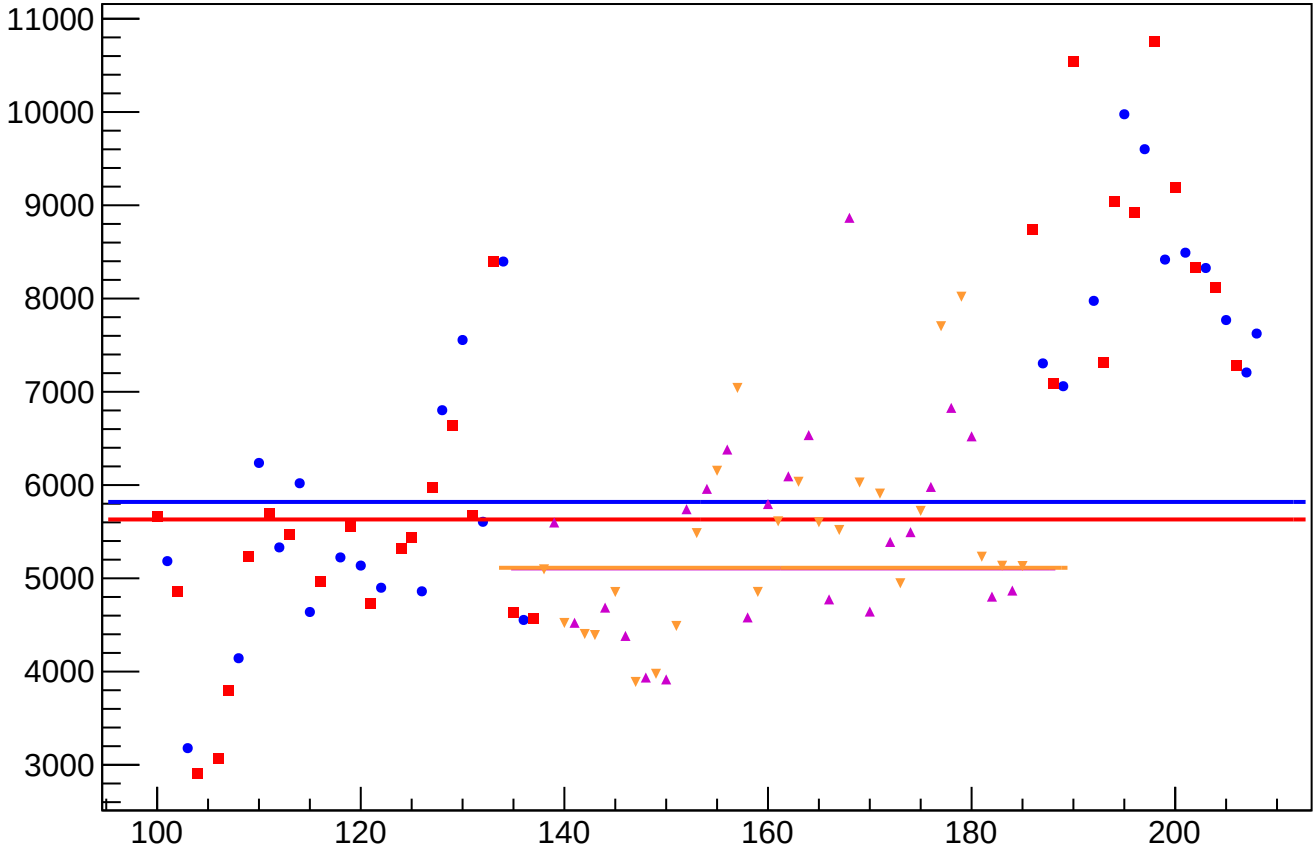
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 317.807+/-940.216 χ^2/NDF: 55.4/51

All: 748.522+/-666.390 χ^2/NDF: 99.1/104

- sign 1183.296+/-944.636 χ^2/NDF: 43.3/52

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 5819.031+/-1.089 χ^2/NDF: 2886522.8/26

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5631.154+/-1.059 χ^2/NDF: 3620430.1/29

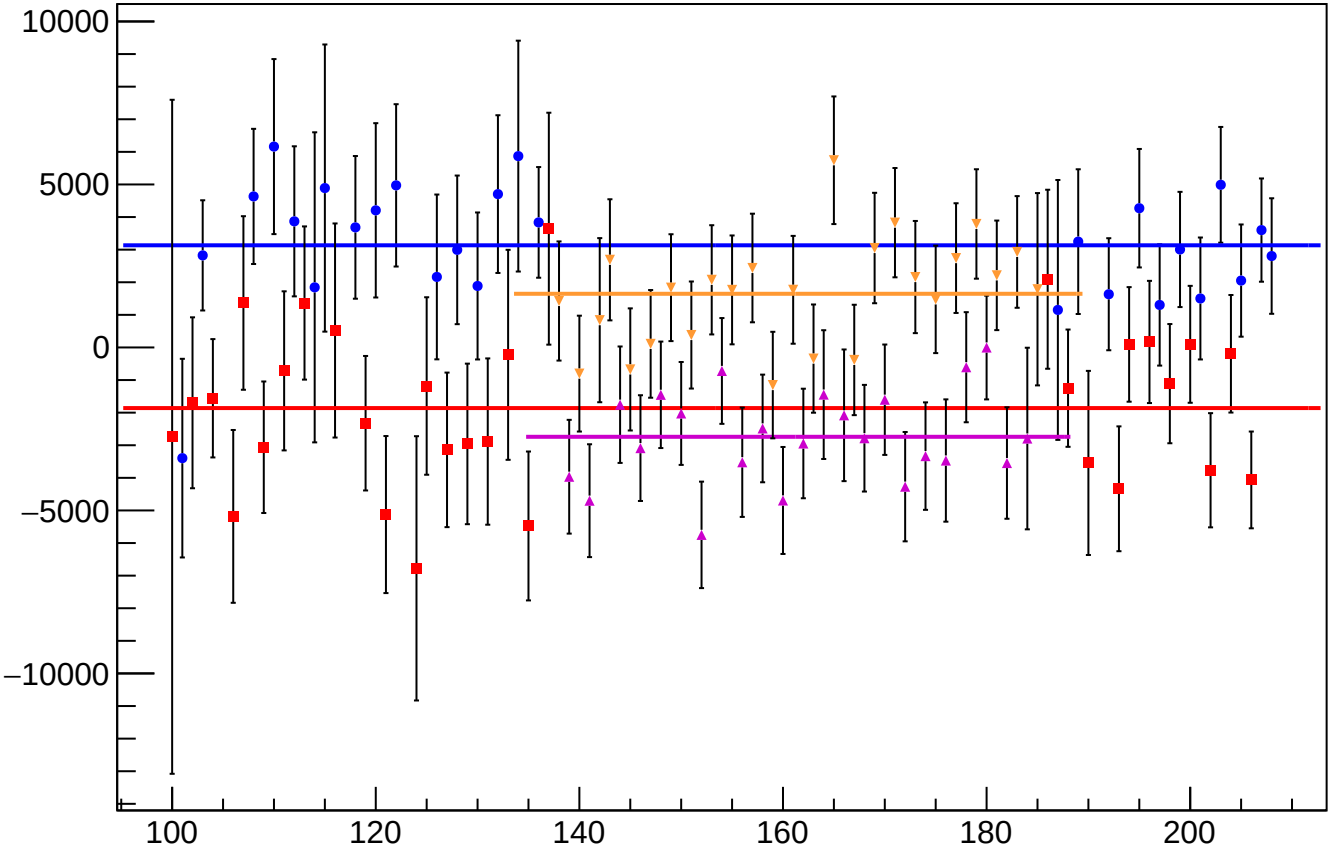
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5376.250+/-0.665 χ^2/NDF: 4309312.8/51

All: 5345.913+/-0.471 χ^2/NDF: 9333444.5/10

- sign 5315.290+/-0.668 χ^2/NDF: 5019947.8/52

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3133.612+/-410.261 χ^2/NDF: 13.9/26

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1859.711+/-406.837 χ^2/NDF: 27.5/29

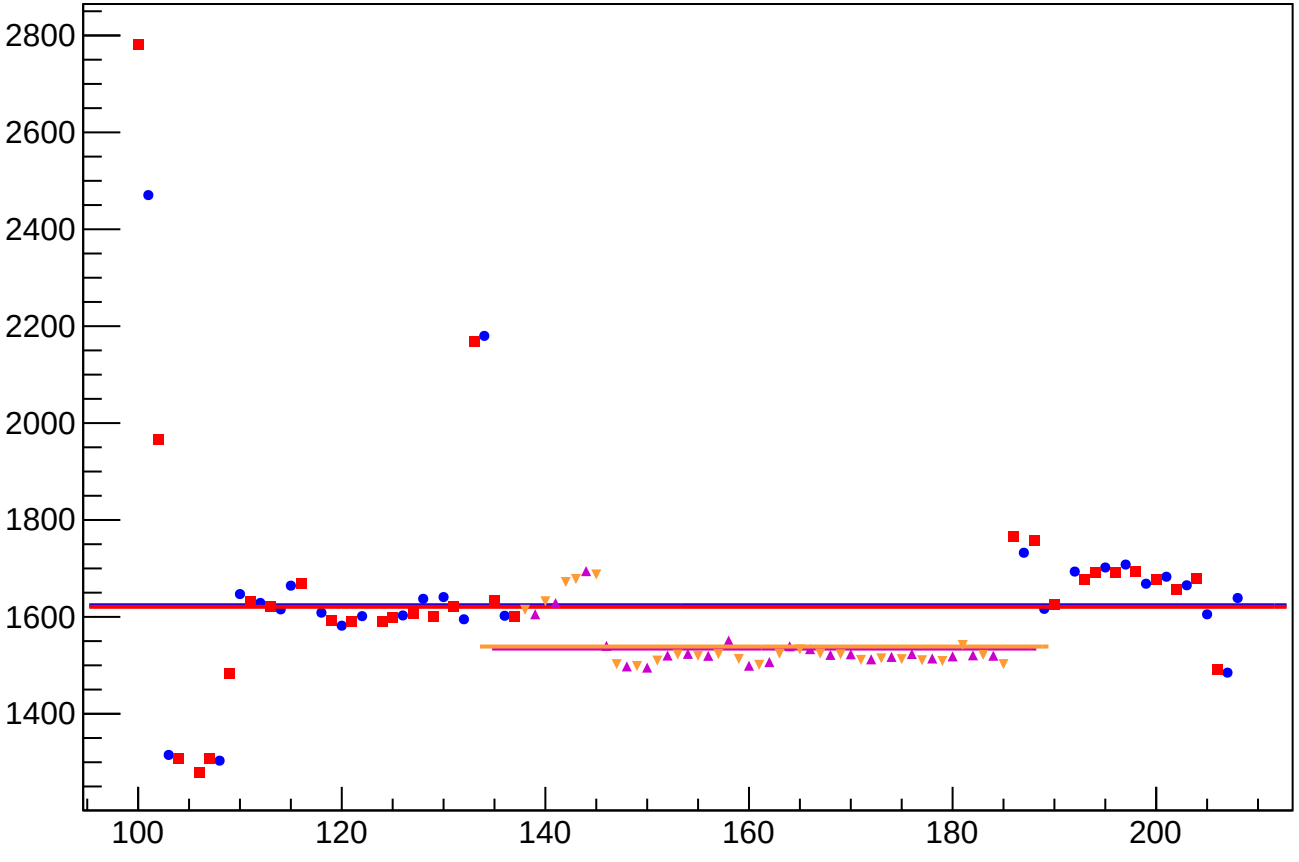
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2272.298+/-266.163 χ^2/NDF: 42.6/51

All: -17.580+/-189.185 χ^2/NDF: 238.8/104

- sign -2355.747+/-268.954 χ^2/NDF: 46.6/52

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1623.987+/-0.290 χ^2/NDF: 353032.8/26

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

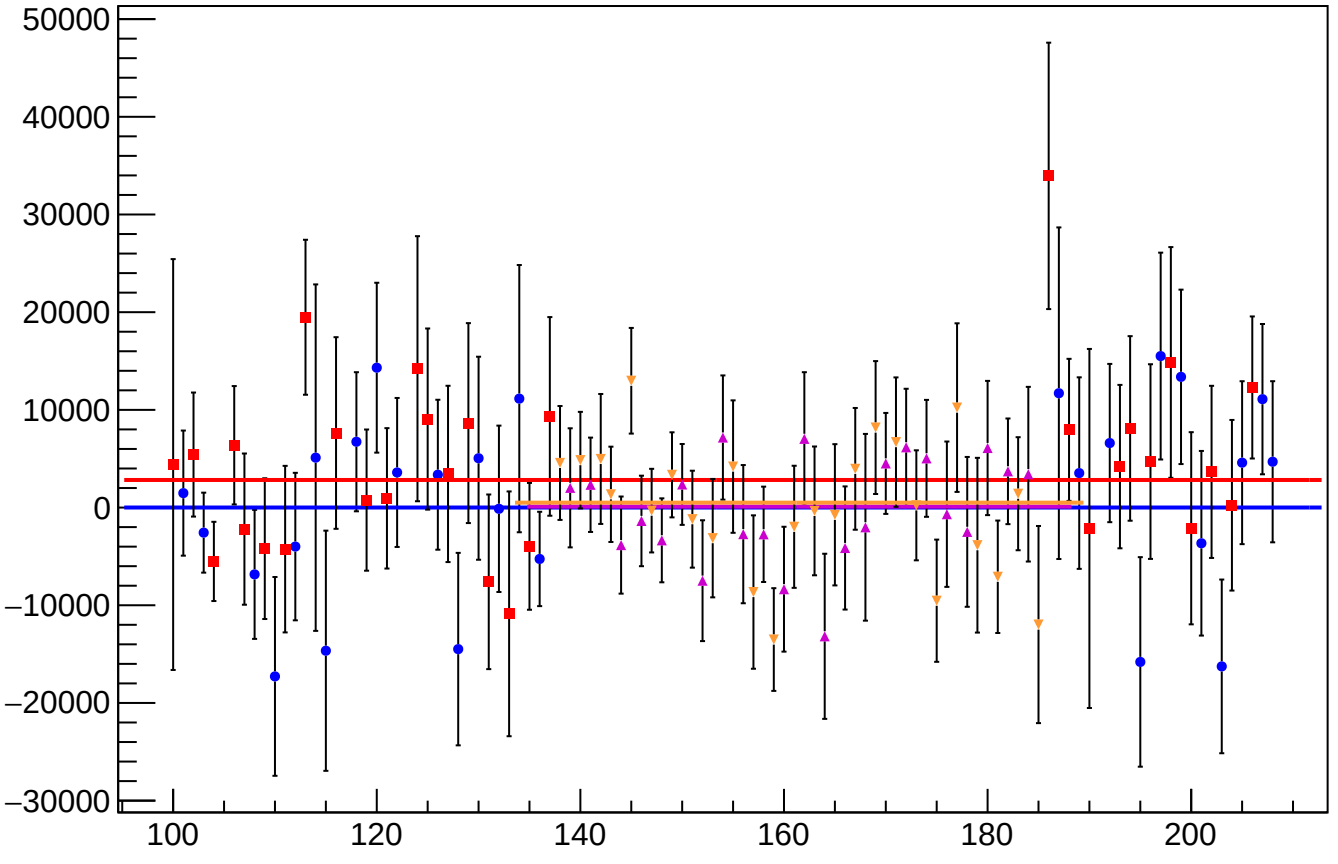
Right Out: 1620.807+/-0.287 χ^2/NDF: 303166.7/29

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1574.660+/-0.188 χ^2/NDF: 450013.3/51

All: 1573.523+/-0.134 χ^2/NDF: 835018.7/104

- sign 1572.364+/-0.190 χ^2/NDF: 384931.7/52



Right In: 4.951+/-1539.671 χ^2/NDF: 28.5/26

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2824.358+/-1497.178 χ^2/NDF: 26.4/29

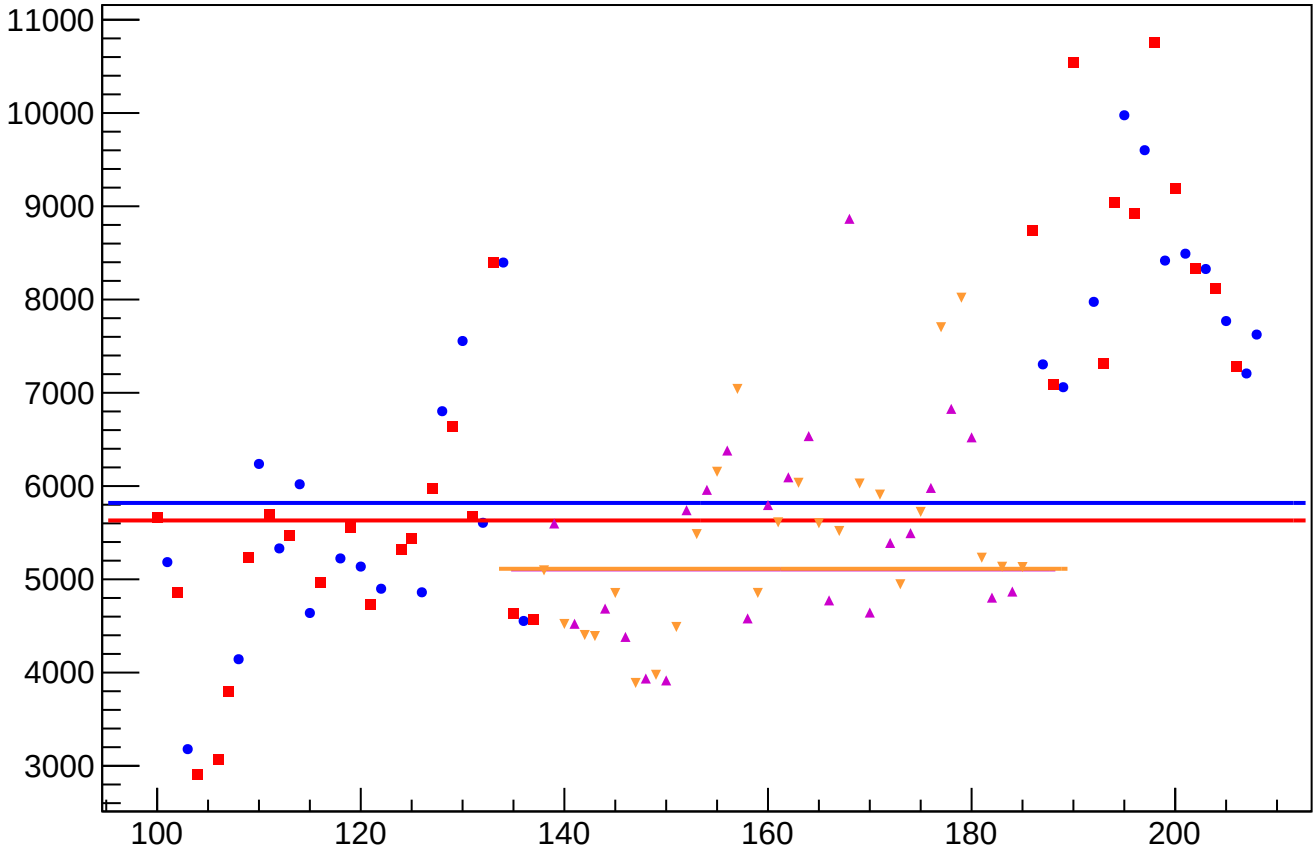
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 317.807+/-940.216 χ^2/NDF: 55.4/51

All: 748.522+/-666.390 χ^2/NDF: 99.1/104

- sign 1183.296+/-944.636 χ^2/NDF: 43.3/52

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 5819.031+/-1.089 χ^2/NDF: 2886522.8/26

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5631.154+/-1.059 χ^2/NDF: 3620430.1/29

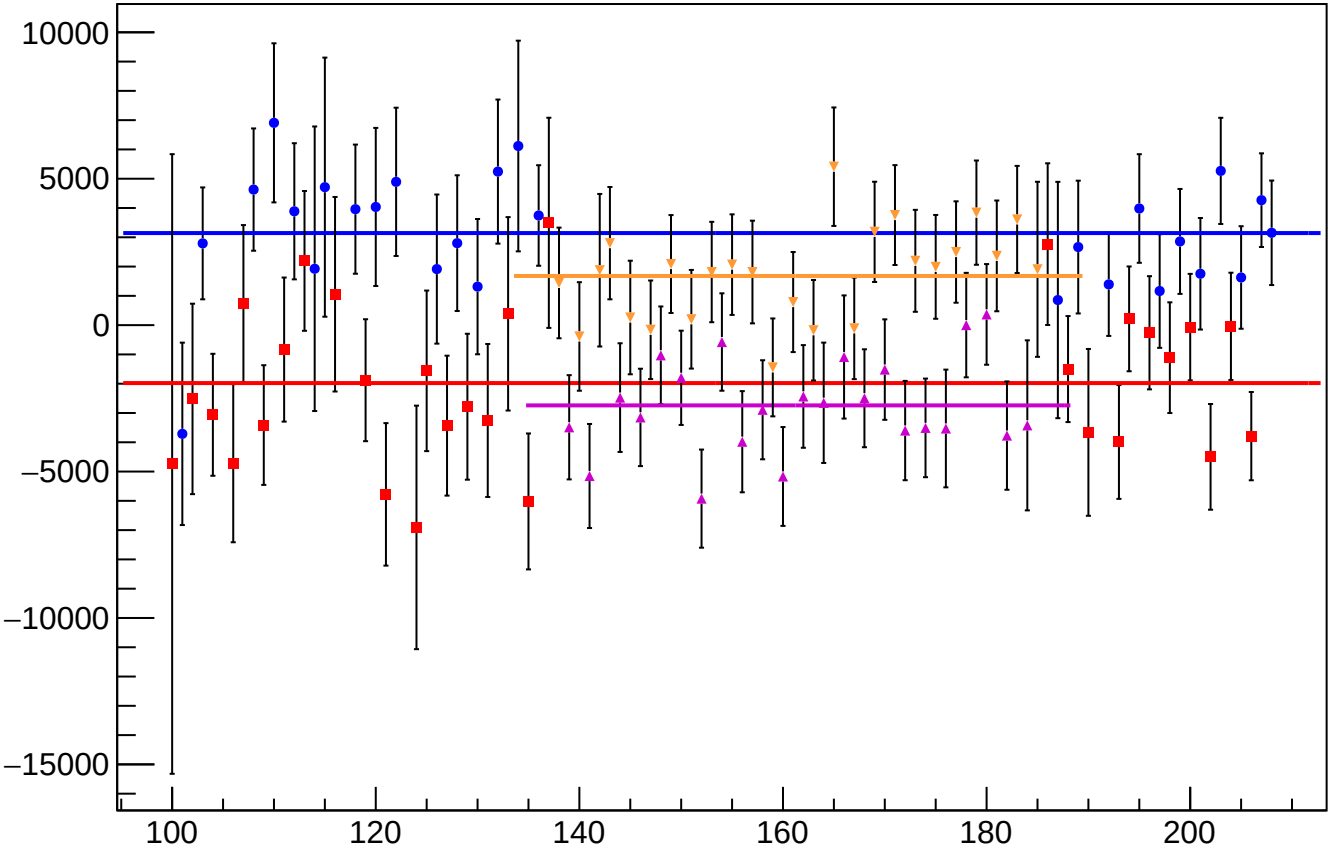
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5376.250+/-0.665 χ^2/NDF: 4309312.8/51

All: 5345.913+/-0.471 χ^2/NDF: 9333444.5/10

- sign 5315.290+/-0.668 χ^2/NDF: 5019947.8/52

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3144.311+/-419.342 χ^2/NDF: 16.5/26

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -1978.246+/-417.357 χ^2/NDF: 30.0/29

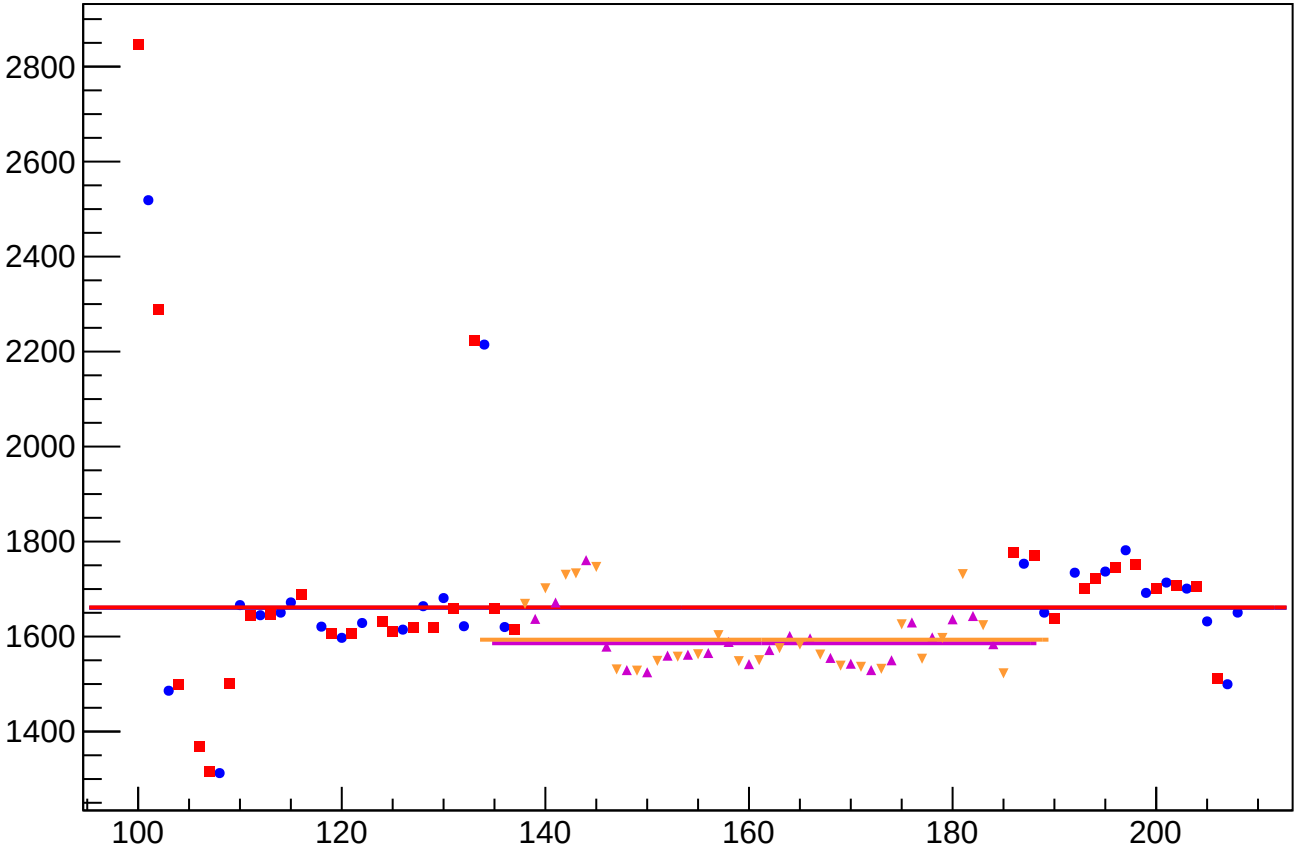
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2305.561+/-274.191 χ^2/NDF: 42.4/51

All: -24.480+/-194.909 χ^2/NDF: 239.5/104

- sign -2404.534+/-277.118 χ^2/NDF: 51.1/52

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1660.576+/-0.297 χ^2/NDF: 316046.4/26

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

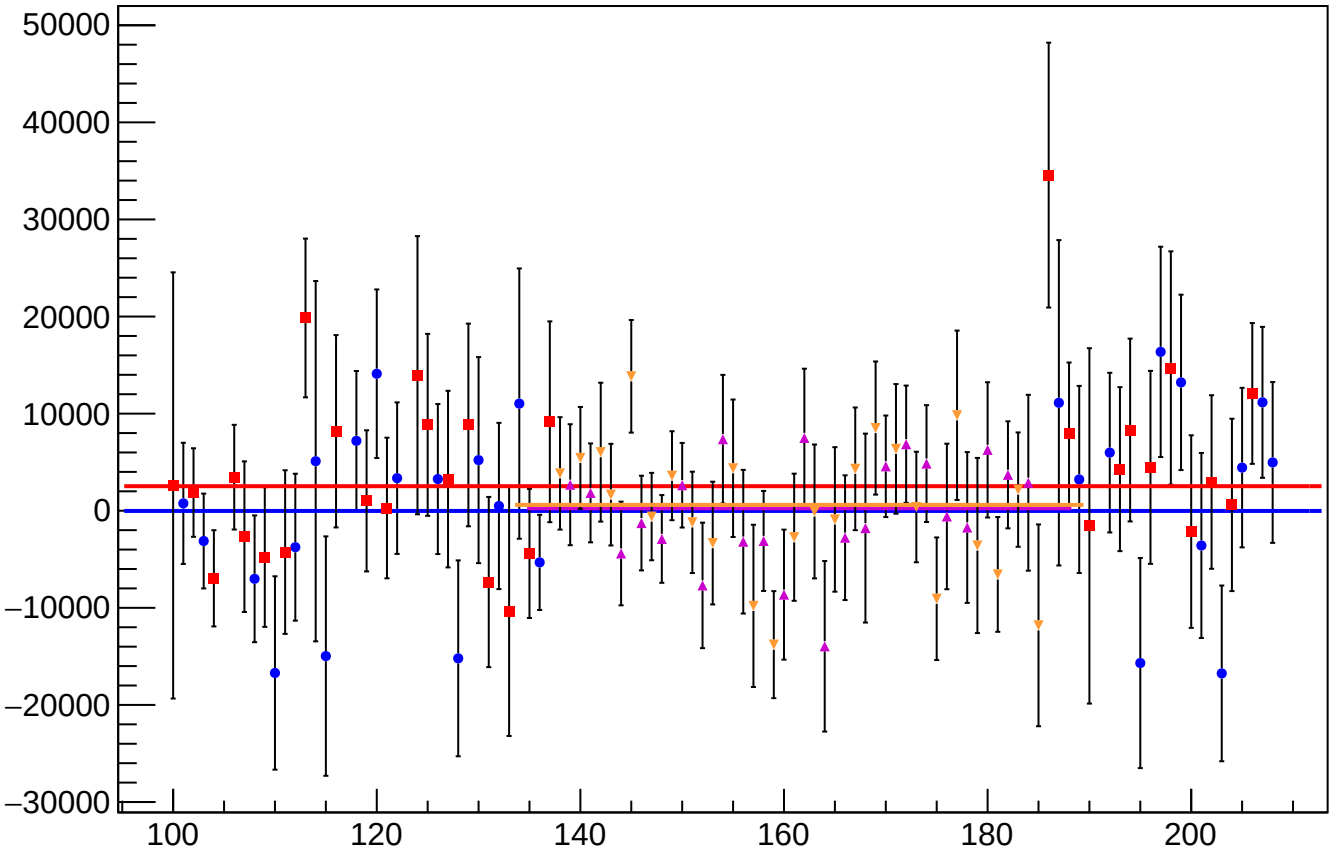
Right Out: 1661.356+/-0.295 χ^2/NDF: 289477.5/29

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1622.113+/-0.194 χ^2/NDF: 417314.8/51

All: 1620.668+/-0.138 χ^2/NDF: 785371.3/104

- sign 1619.192+/-0.196 χ^2/NDF: 367944.2/52



Right In: -21.846+/-1579.869 χ^2/NDF: 28.4/26

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 2527.127+/-1489.310 χ^2/NDF: 25.6/29

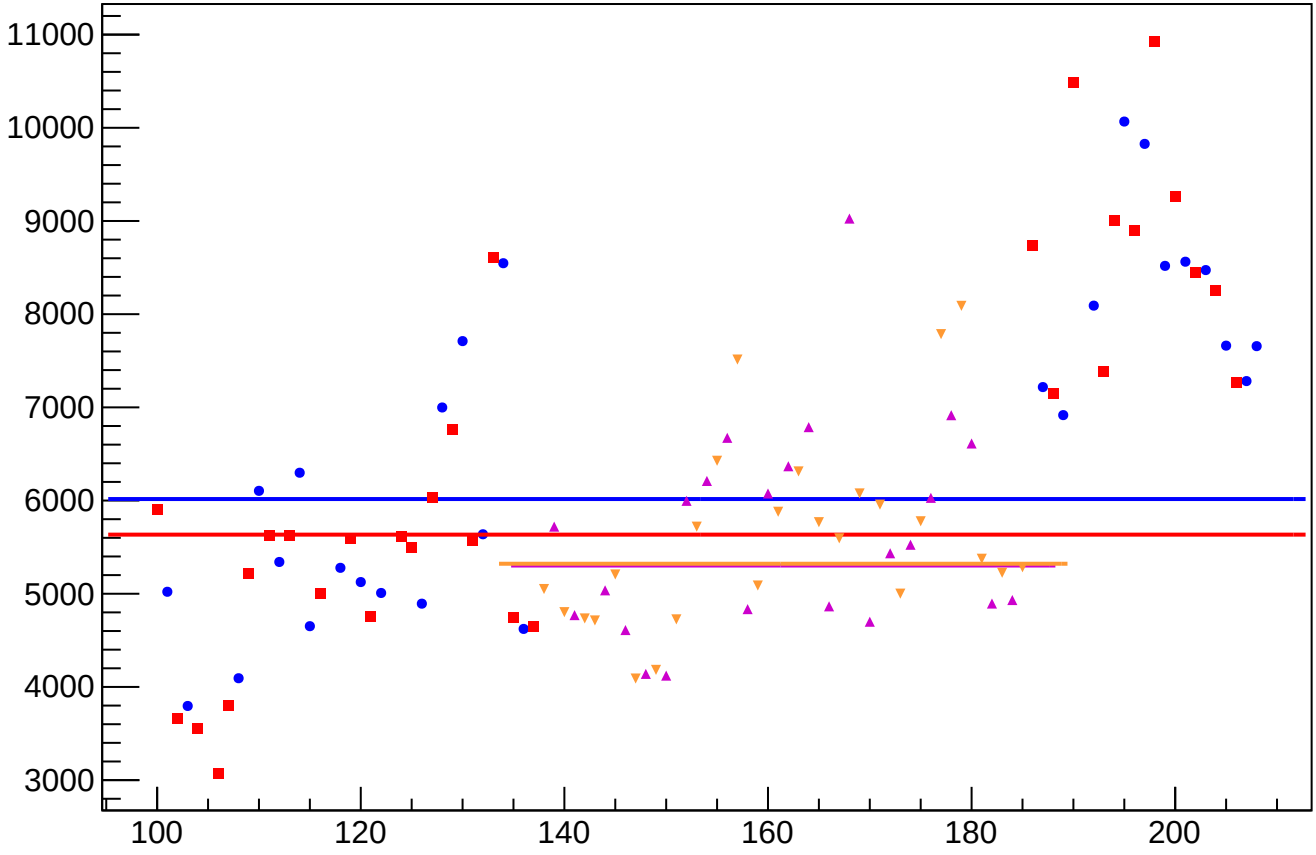
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign 365.610+/-972.288 χ^2/NDF: 54.5/51

All: 789.636+/-684.234 χ^2/NDF: 96.6/104

\- sign 1205.674+/-963.084 χ^2/NDF: 41.6/52

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 6016.301+/-1.117 χ^2/NDF: 2436764.9/26

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5634.317+/-1.053 χ^2/NDF: 3539572.8/29

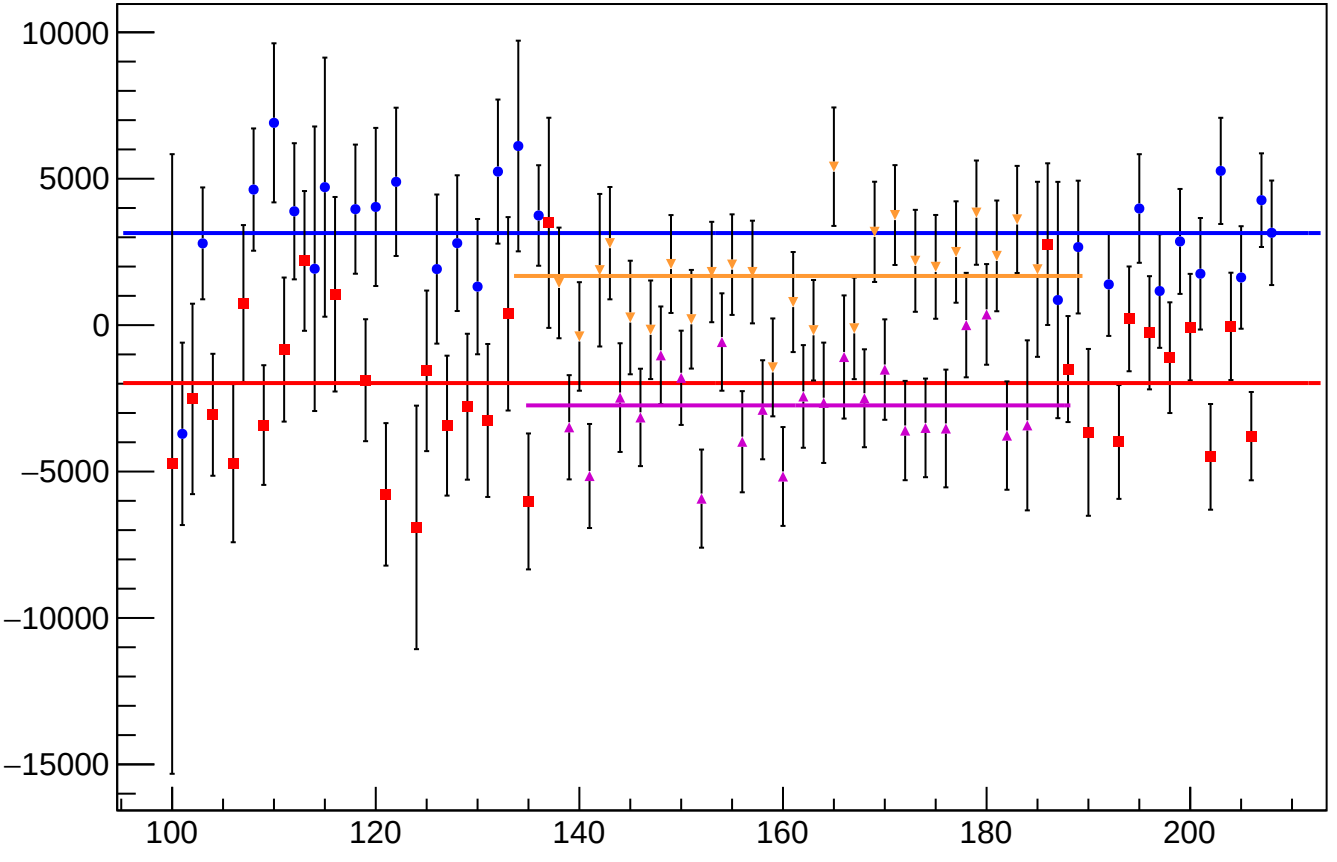
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5584.936+/-0.688 χ^2/NDF: 3713772.7/51

All: 5512.516+/-0.484 χ^2/NDF: 8485345.3/10

- sign 5441.461+/-0.681 χ^2/NDF: 4749590.3/52

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3144.309+/-419.342 χ^2/NDF: 16.5/26

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1978.244+/-417.357 χ^2/NDF: 30.0/29

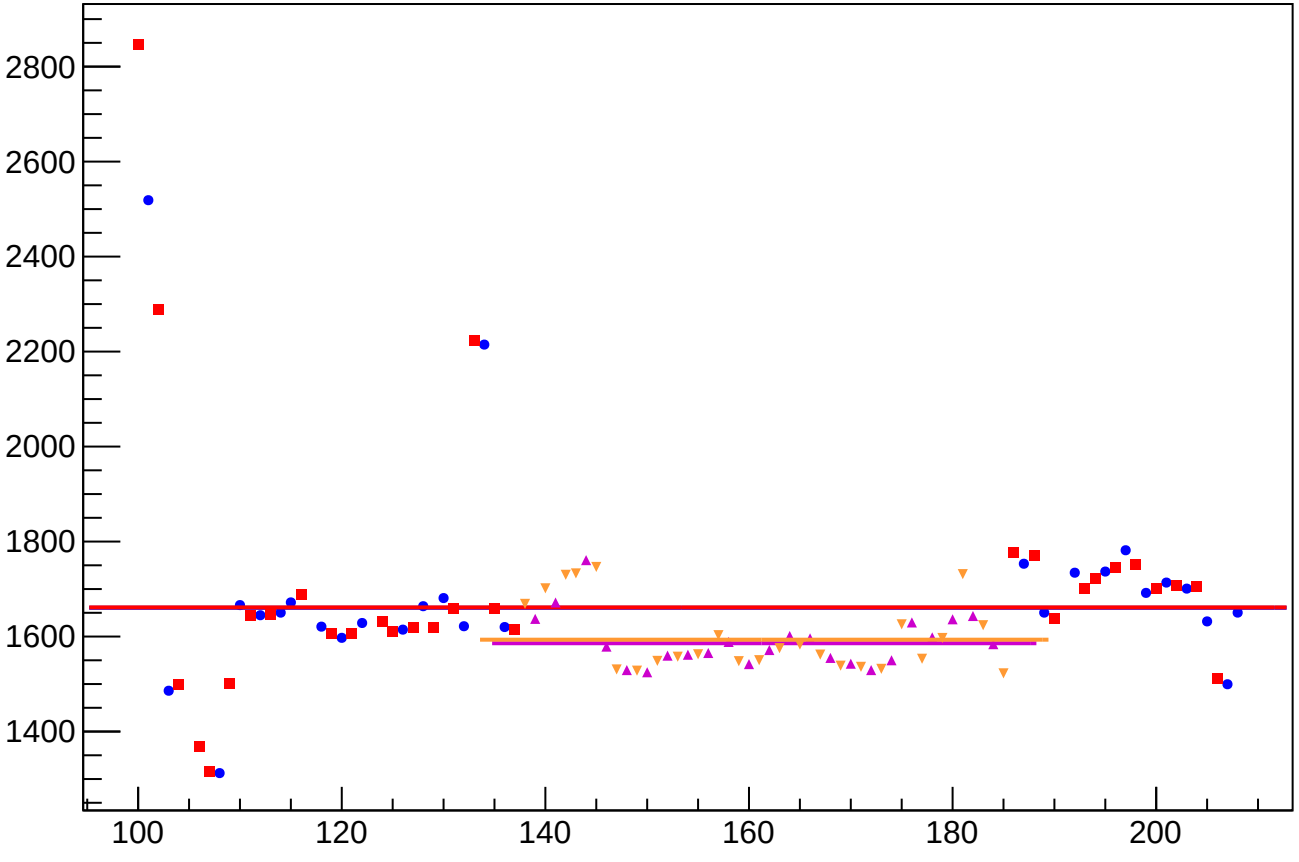
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2305.557+/-274.191 χ^2/NDF: 42.4/51

All: -24.482+/-194.909 χ^2/NDF: 239.5/104

- sign -2404.533+/-277.118 χ^2/NDF: 51.1/52

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1660.575+/-0.297 χ^2/NDF: 316046.6/26

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

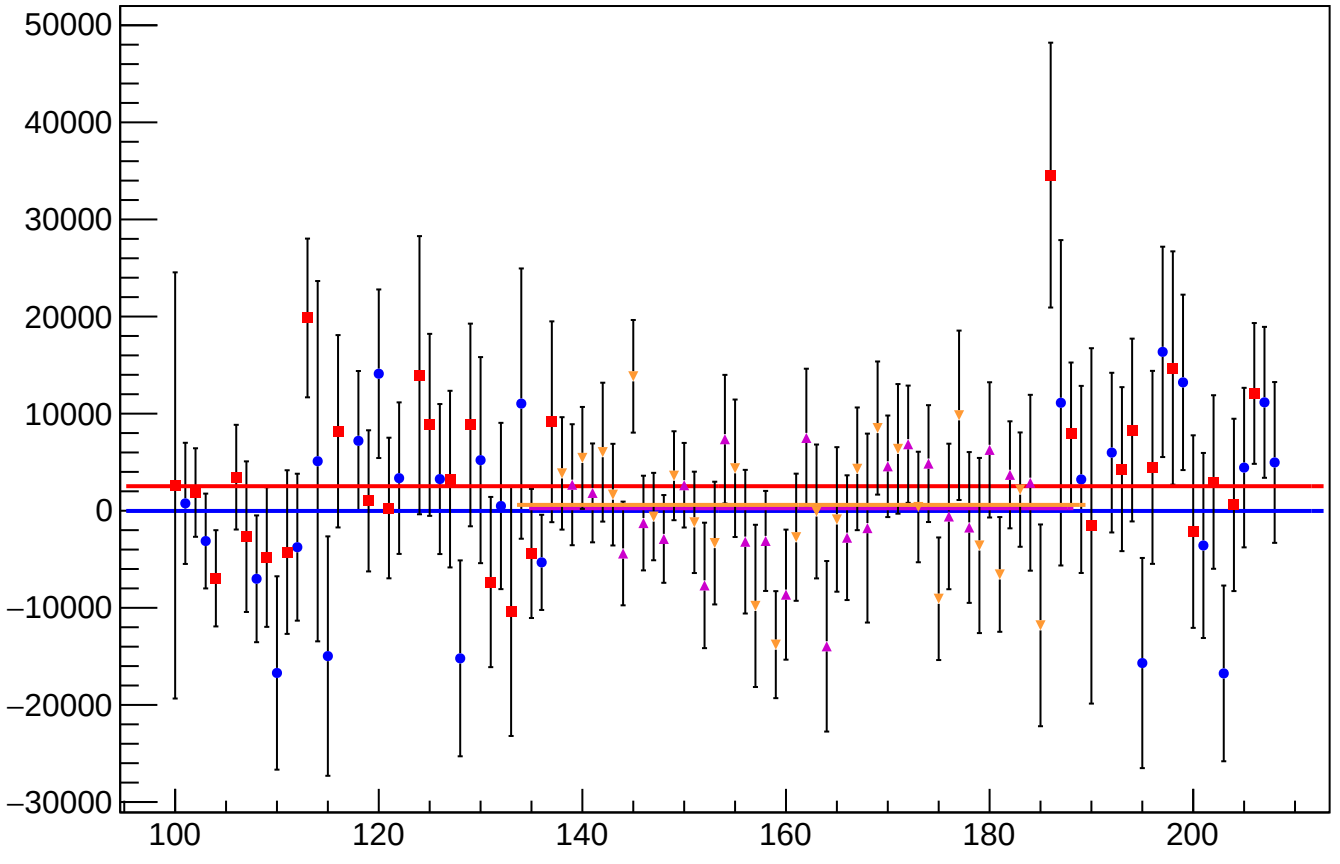
Right Out: 1661.356+/-0.295 χ^2/NDF: 289477.6/29

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1622.113+/-0.194 χ^2/NDF: 417313.8/51

All: 1620.668+/-0.138 χ^2/NDF: 785369.1/104

- sign 1619.193+/-0.196 χ^2/NDF: 367943.1/52



Right In: -21.839+/-1579.869 χ^2/NDF: 28.4/26

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

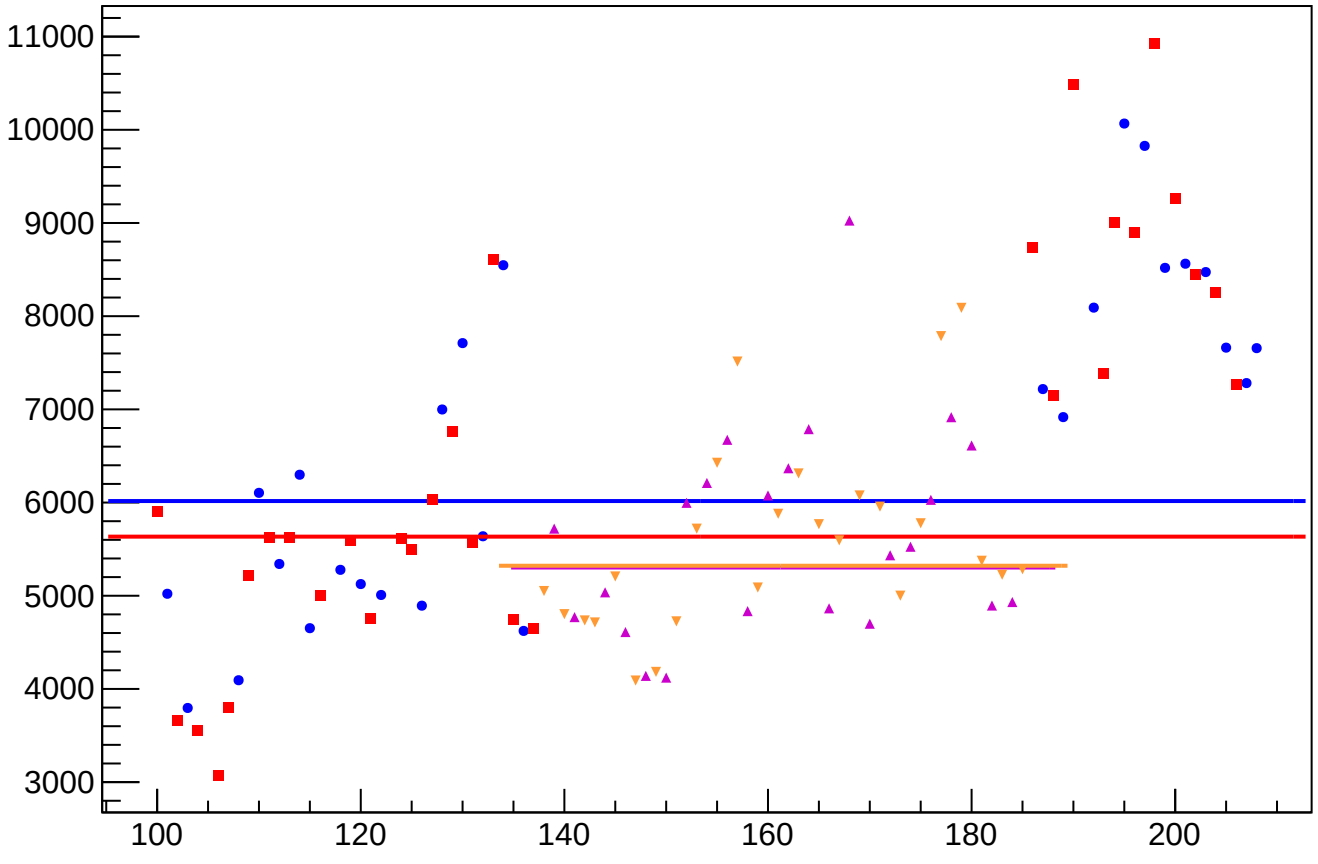
Right Out: 2527.124+/-1489.309 χ^2/NDF: 25.6/29

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

+ sign 365.609+/-972.289 χ^2/NDF: 54.5/51

All: 789.638+/-684.235 χ^2/NDF: 96.6/104

- sign 1205.676+/-963.085 χ^2/NDF: 41.6/52



Right In: 6016.297+/-1.117 χ^2/NDF: 2436777.3/26

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5634.311+/-1.053 χ^2/NDF: 3539585.0/29

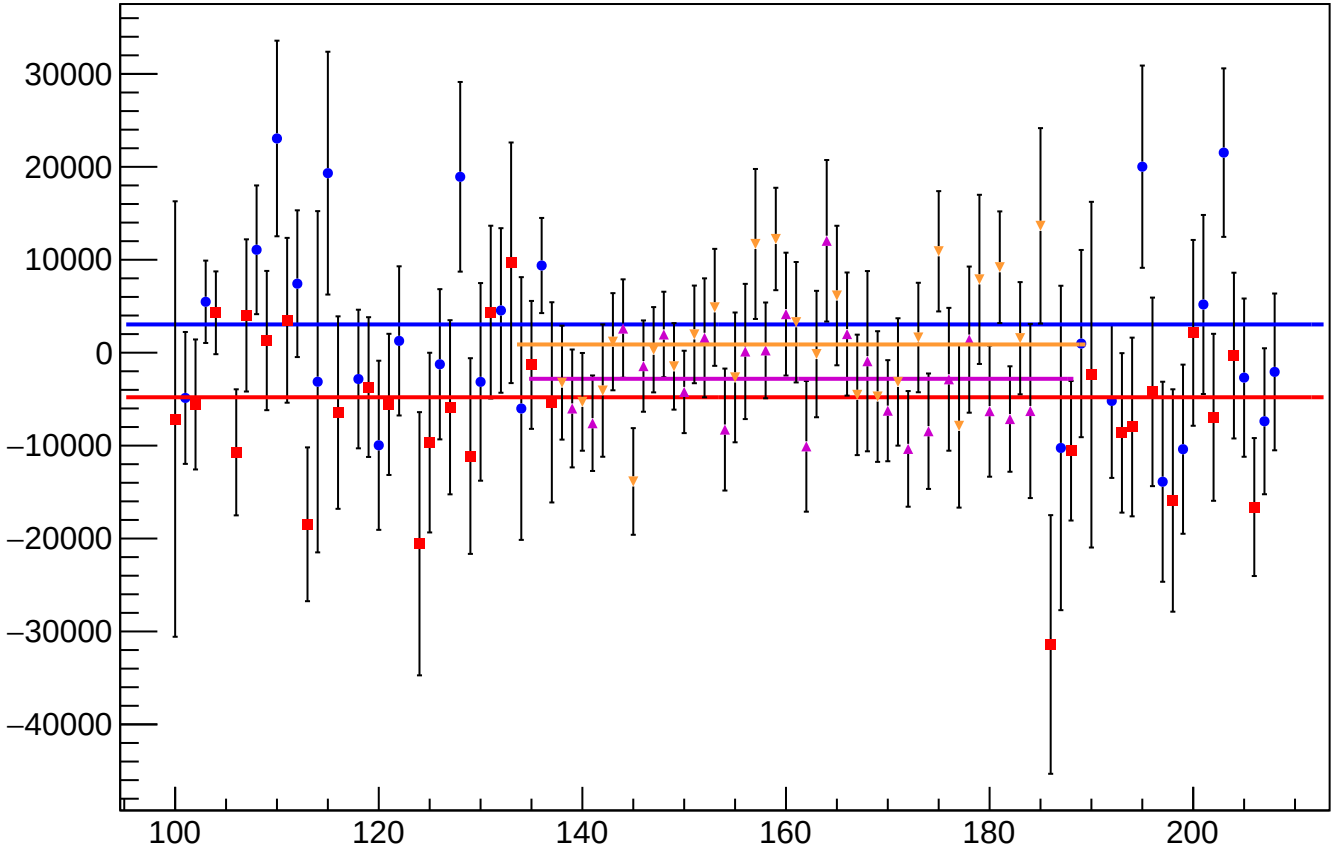
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5584.941+/-0.688 χ^2/NDF: 3713777.5/51

All: 5512.520+/-0.484 χ^2/NDF: 8485361.6/10

- sign 5441.464+/-0.681 χ^2/NDF: 4749601.3/52

asym_usr_atr2_avg_mean vs Slug



Right In: 3040.402+/-1612.591 χ^2/NDF: 31.7/26

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -4796.588+/-1577.033 χ^2/NDF: 23.5/29

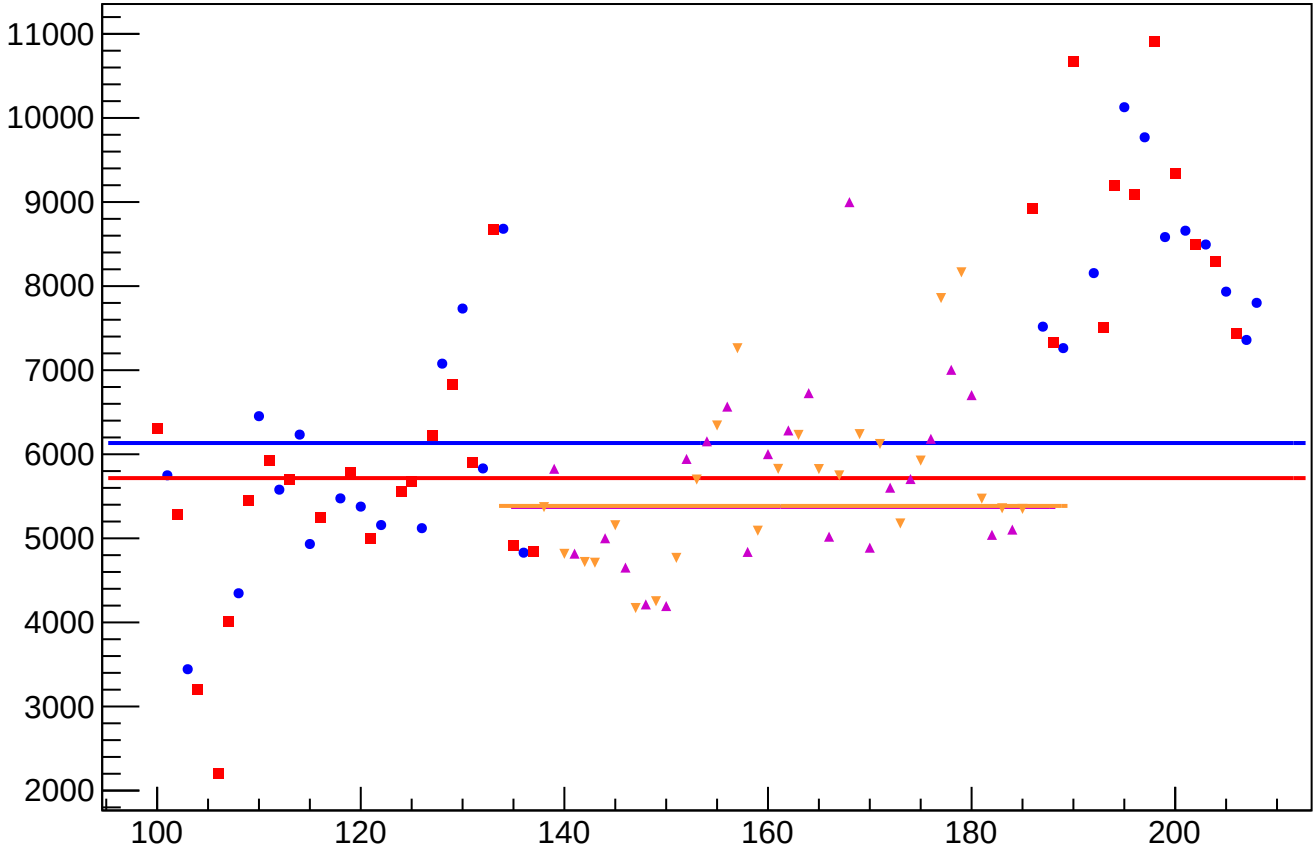
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1691.467+/-986.216 χ^2/NDF: 58.5/51

All: -936.033+/-699.585 χ^2/NDF: 111.9/104

- sign -3597.326+/-992.538 χ^2/NDF: 39.2/52

asym_usr_atr2_avg_rms vs Slug



Right In: 6133.694+/-1.140 χ^2/NDF: 2542929.2/26

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 5716.547+/-1.085 χ^2/NDF: 4052826.7/29

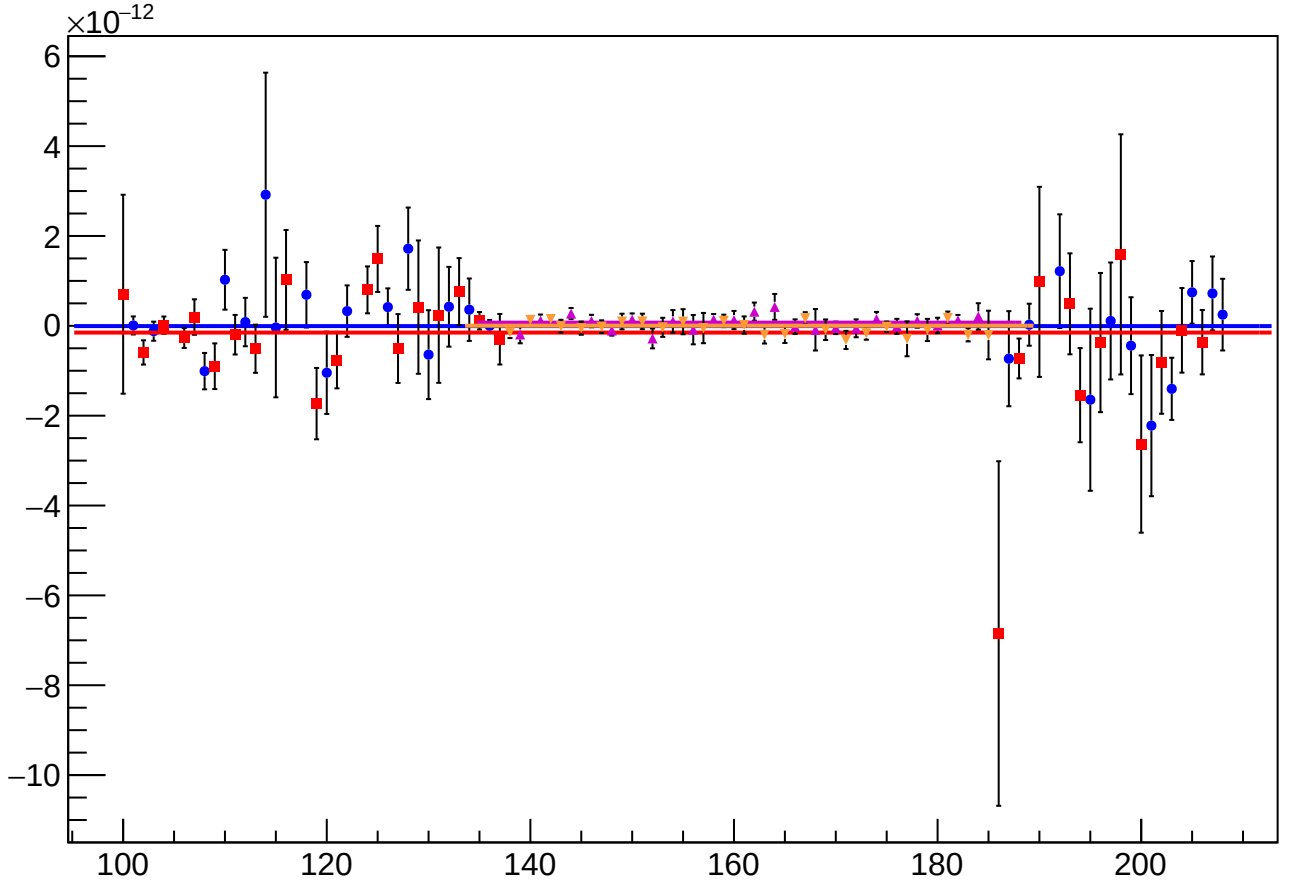
Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5665.436+/-0.697 χ^2/NDF: 3799415.3/51

All: 5589.147+/-0.492 χ^2/NDF: 9007176.7/10

- sign 5513.584+/-0.694 χ^2/NDF: 5183940.0/52

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

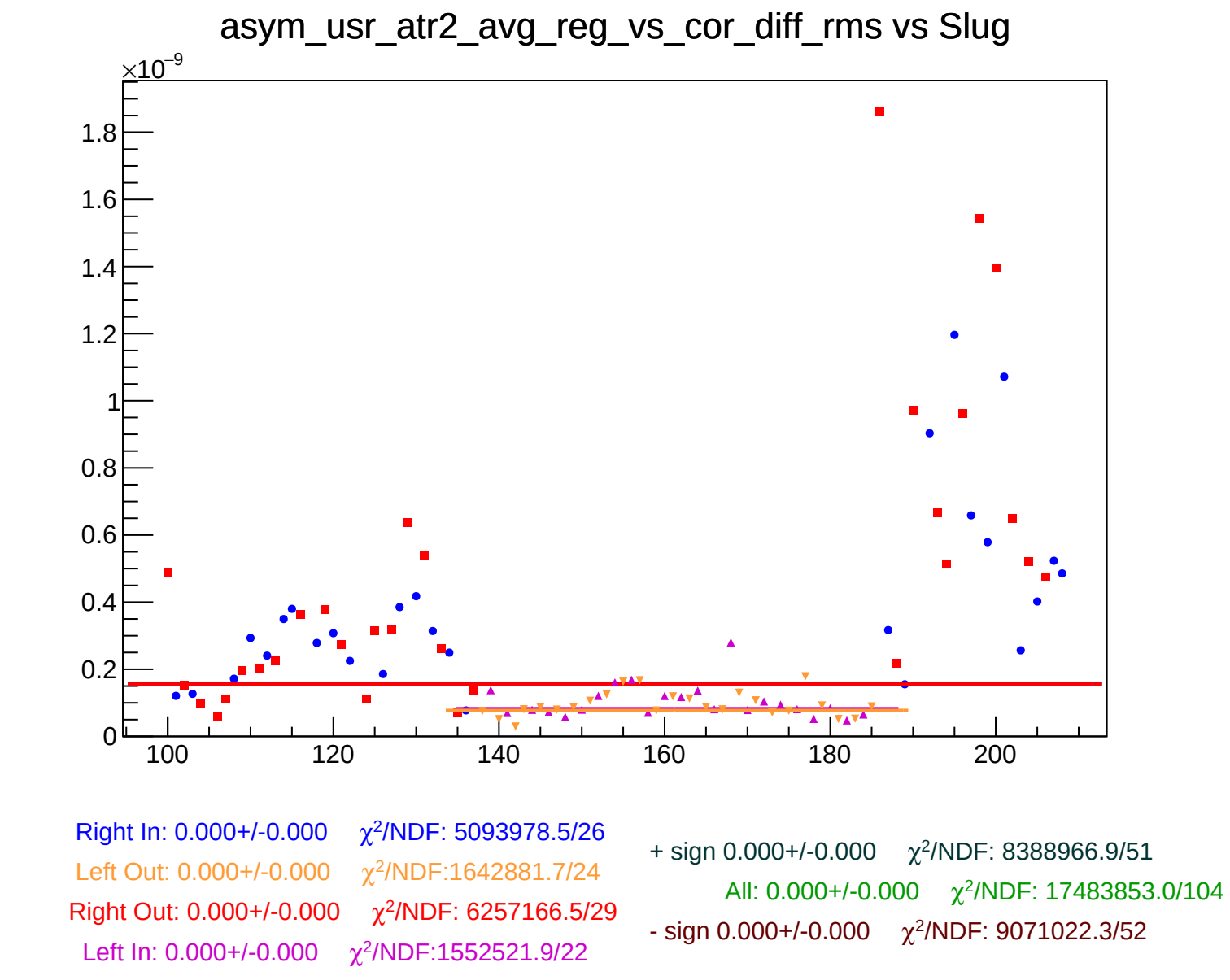
Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/29

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

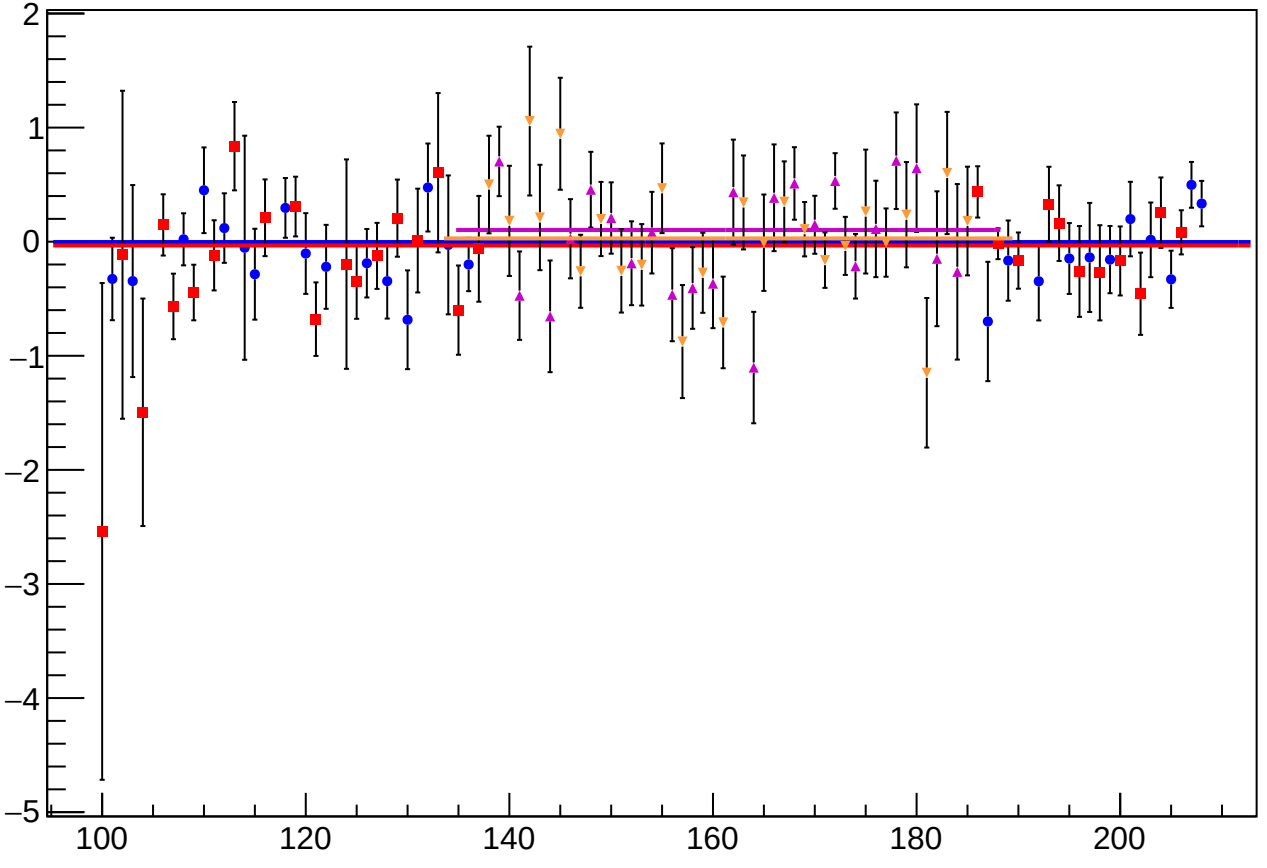
+ sign 0.000+/-0.000 χ^2/NDF: 46.7/51

All: 0.000+/-0.000 χ^2/NDF: 104.1/104

- sign 0.000+/-0.000 χ^2/NDF: 56.6/52


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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5093978.5/26
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 6257166.5/29
Left In: 0.000+/-0.000 χ²/NDF:1552521.9/22
+ sign 0.000+/-0.000 χ²/NDF: 8388966.9/51
All: 0.000+/-0.000 χ²/NDF: 17483853.0/104
- sign 0.000+/-0.000 χ²/NDF: 9071022.3/52

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.061 χ^2/NDF: 25.8/26

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.034+/-0.056 χ^2/NDF: 35.9/29

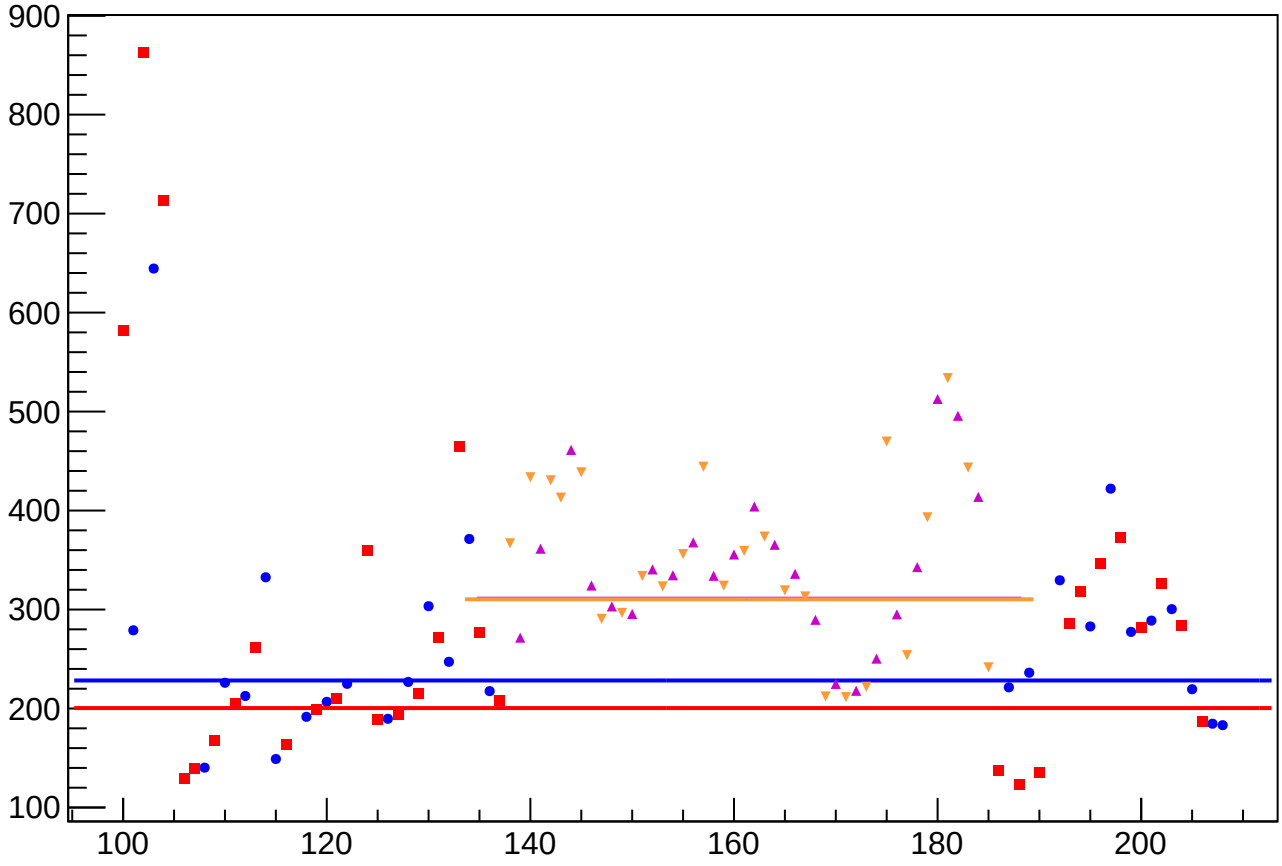
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.010+/-0.047 χ^2/NDF: 51.2/51

All: 0.012+/-0.033 χ^2/NDF: 121.4/104

- sign 0.014+/-0.045 χ^2/NDF: 70.2/52

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 228.333+/-0.043 χ^2/NDF: 2180516.2/26

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

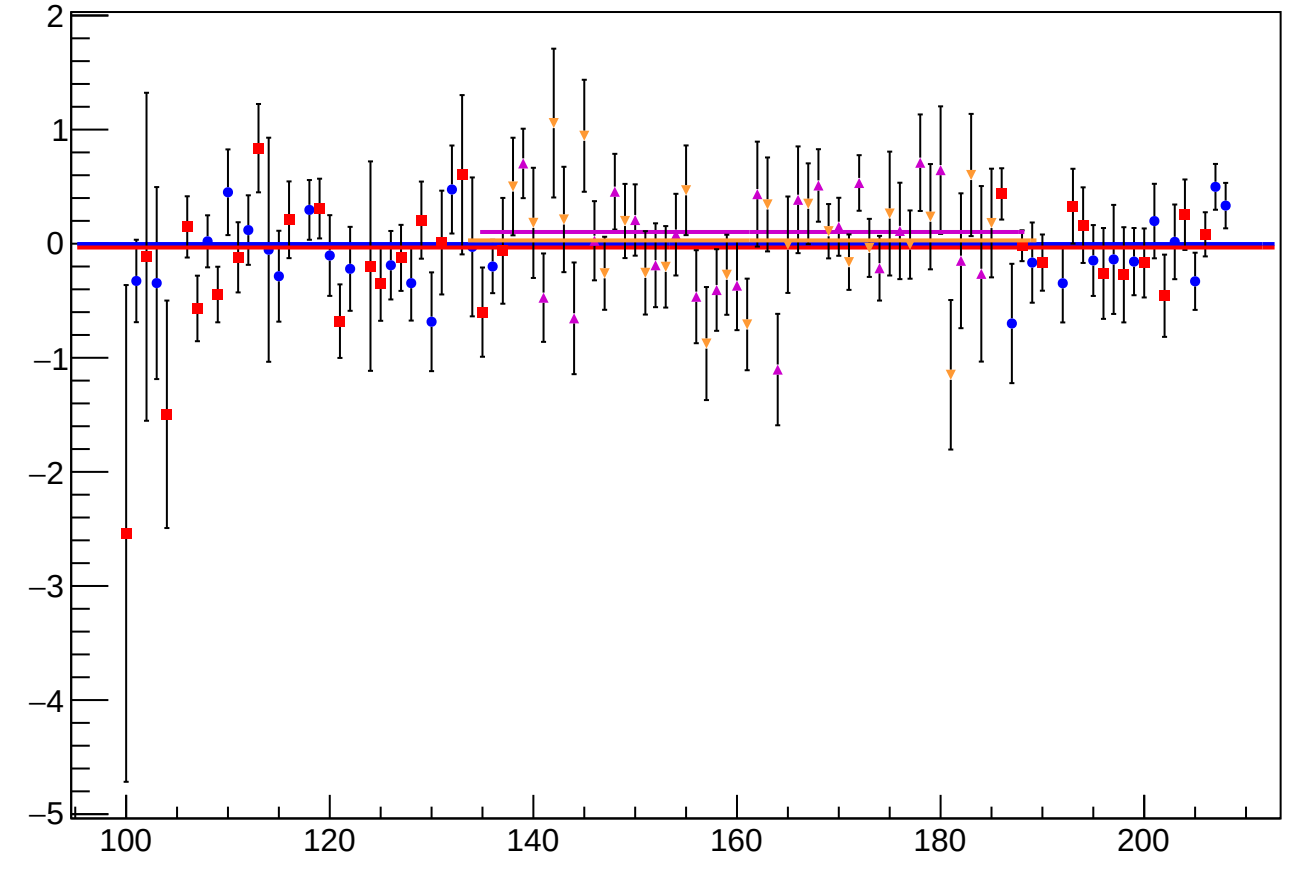
Right Out: 200.465+/-0.039 χ^2/NDF: 4337534.3/29

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 261.218+/-0.033 χ^2/NDF: 5989574.5/51

All: 249.547+/-0.023 χ^2/NDF: 14896068.8/10

- sign 238.967+/-0.032 χ^2/NDF: 8674112.4/52



Right In: -0.003+/-0.061 χ^2/NDF: 25.8/26

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

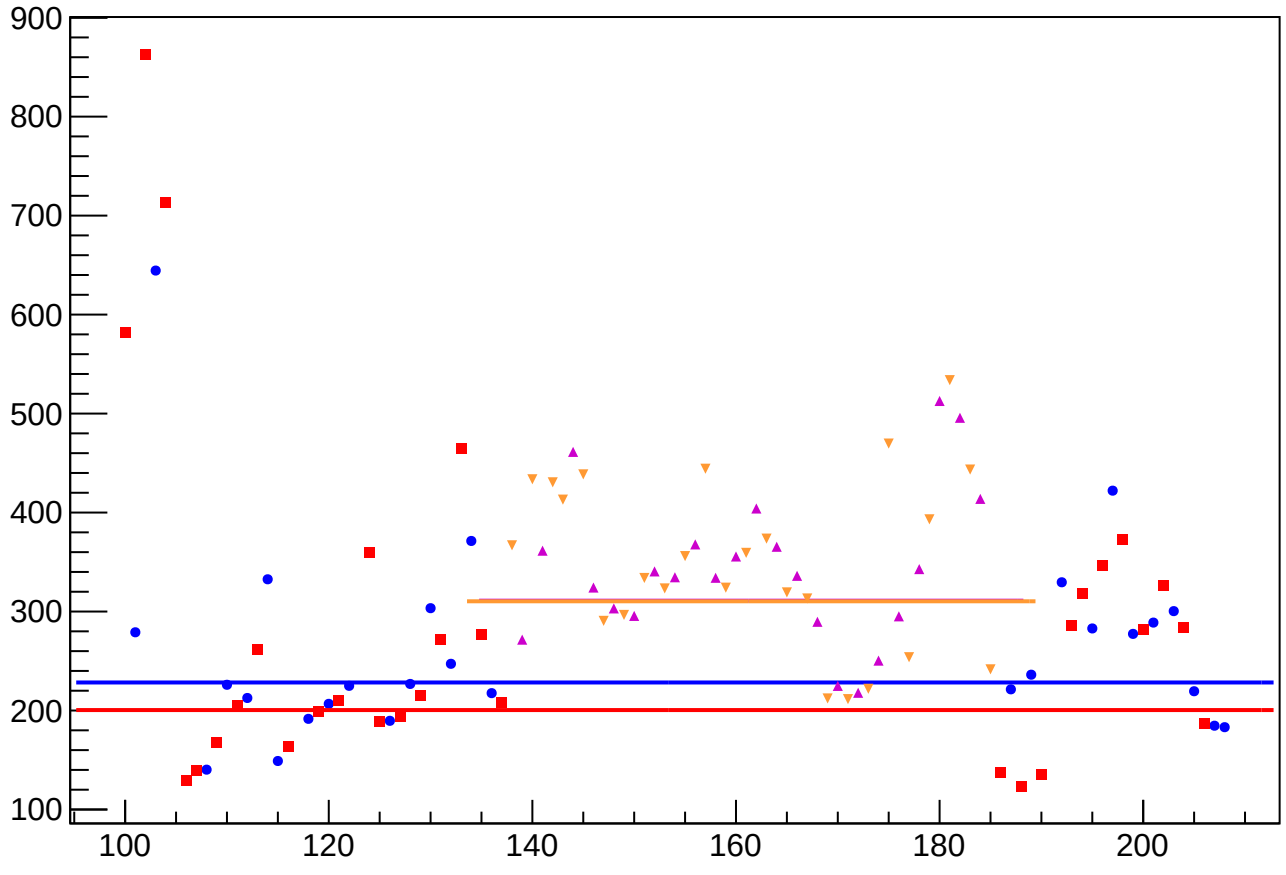
Right Out: -0.034+/-0.056 χ^2/NDF: 35.9/29

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.010+/-0.047 χ^2/NDF: 51.2/51

All: 0.012+/-0.033 χ^2/NDF: 121.4/104

- sign 0.014+/-0.045 χ^2/NDF: 70.2/52



Right In: 228.333+/-0.043 χ^2/NDF: 2180516.2/26

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

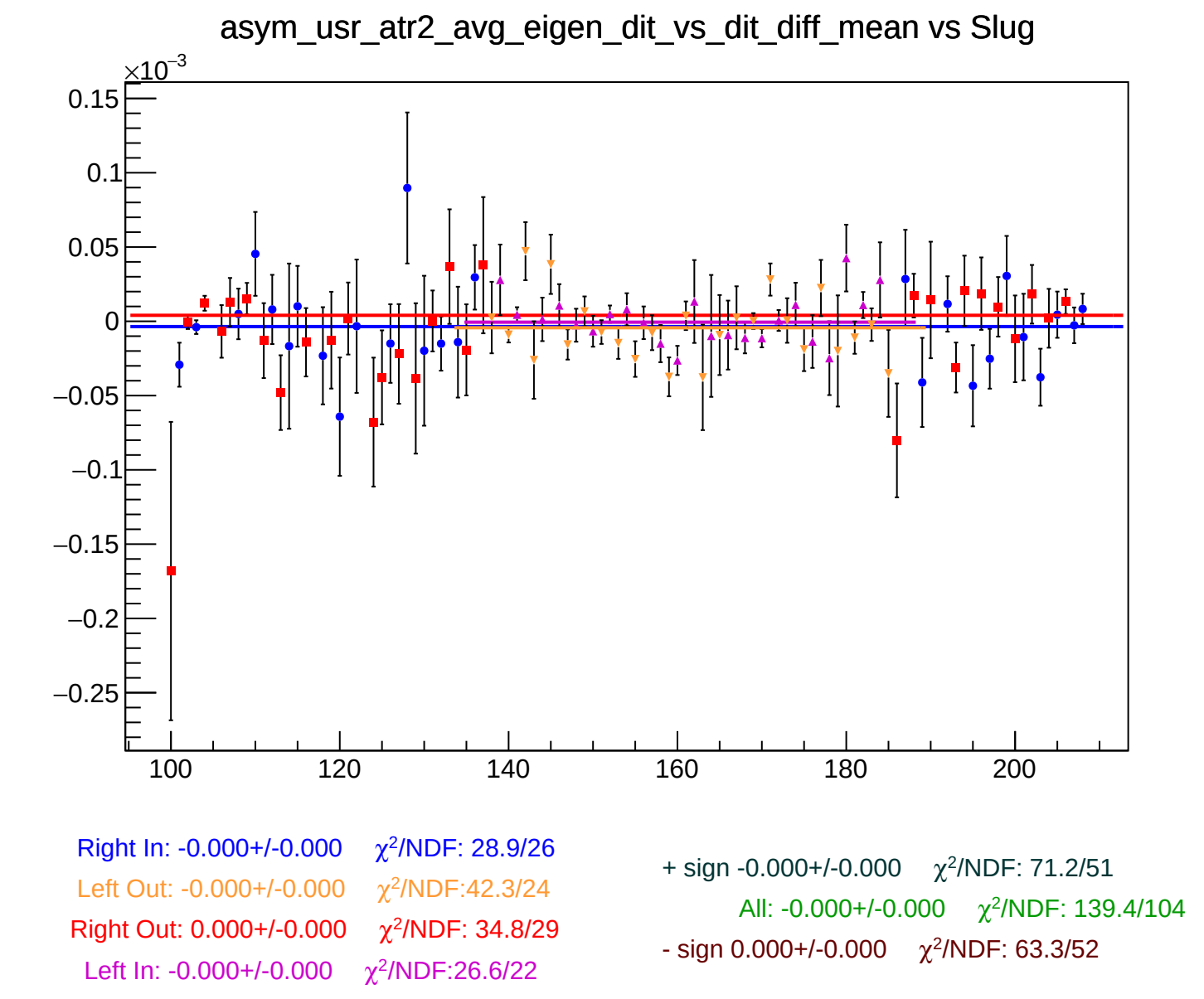
Right Out: 200.465+/-0.039 χ^2/NDF: 4337534.3/29

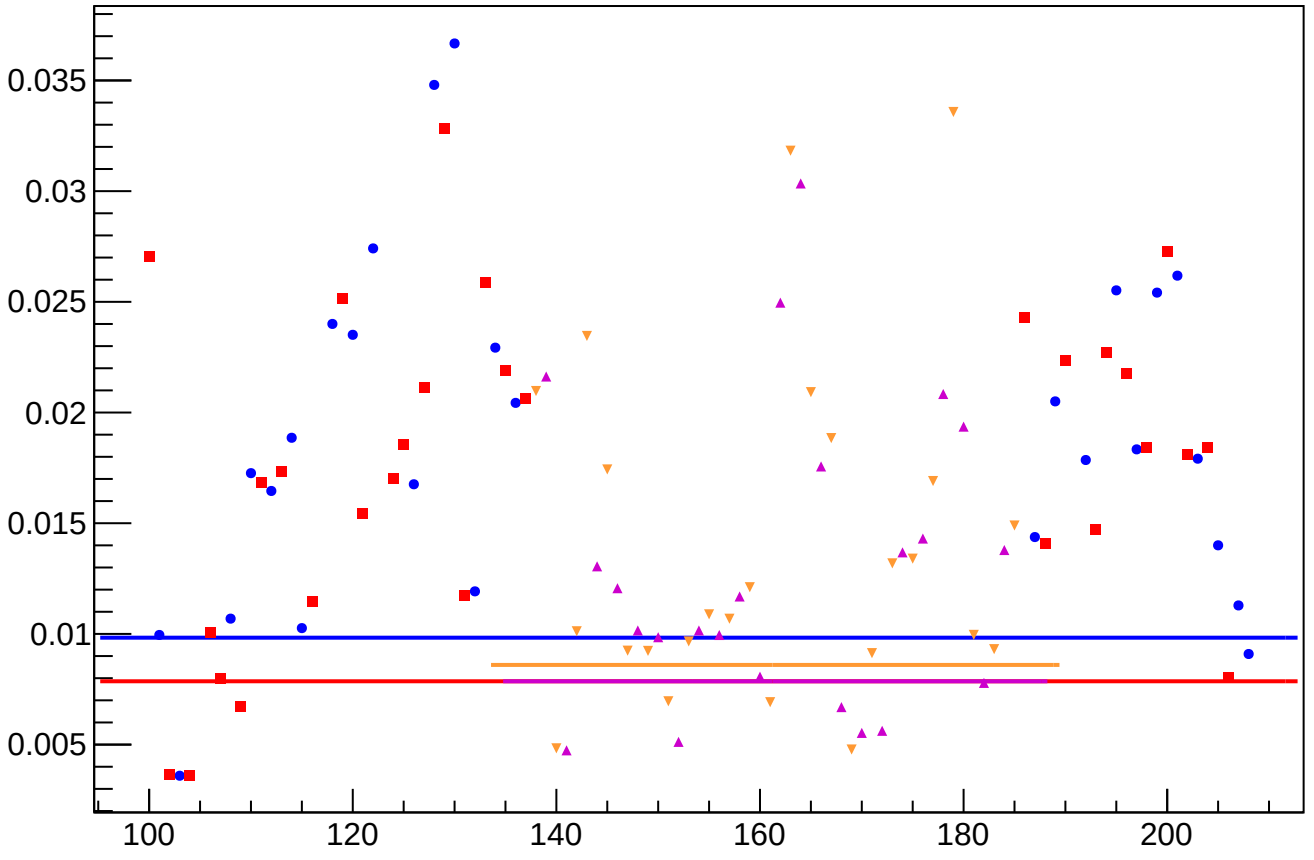
Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 261.218+/-0.033 χ^2/NDF: 5989574.5/51

All: 249.547+/-0.023 χ^2/NDF: 14896068.8/10

- sign 238.967+/-0.032 χ^2/NDF: 8674112.4/52


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.9/26
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.8/29
Left In: -0.000+/-0.000 χ²/NDF:26.6/22
+ sign -0.000+/-0.000 χ²/NDF: 71.2/51
All: -0.000+/-0.000 χ²/NDF: 139.4/104
- sign 0.000+/-0.000 χ²/NDF: 63.3/52



Right In: 0.010+/-0.000 χ^2/NDF: 10363548.7/26

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

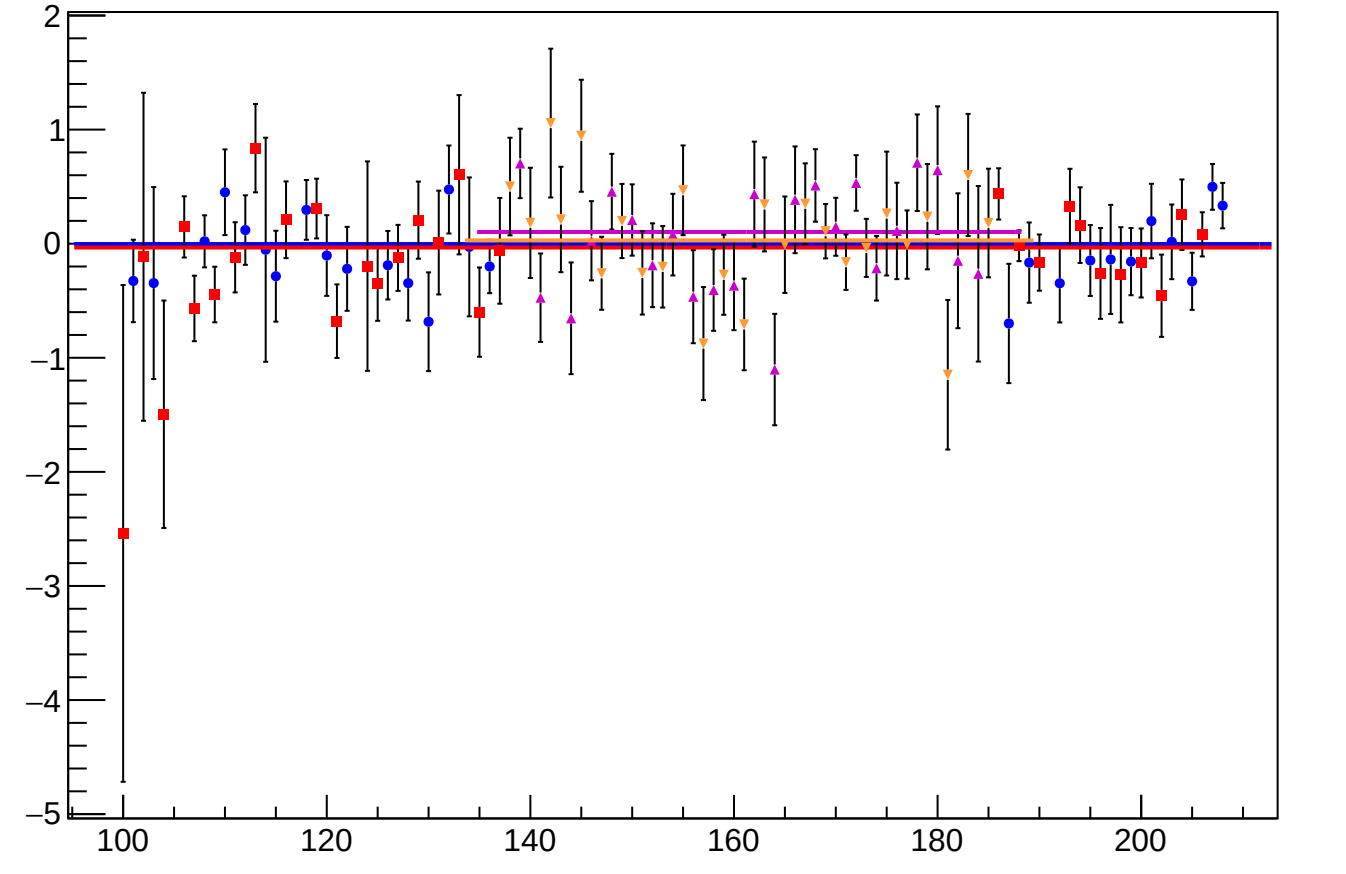
Right Out: 0.008+/-0.000 χ^2/NDF: 12120157.5/29

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 18223824.4/51

All: 0.008+/-0.000 χ^2/NDF: 37575496.8/104

- sign 0.008+/-0.000 χ^2/NDF: 18899973.1/52



Right In: -0.003+/-0.061 χ^2/NDF: 25.8/26

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

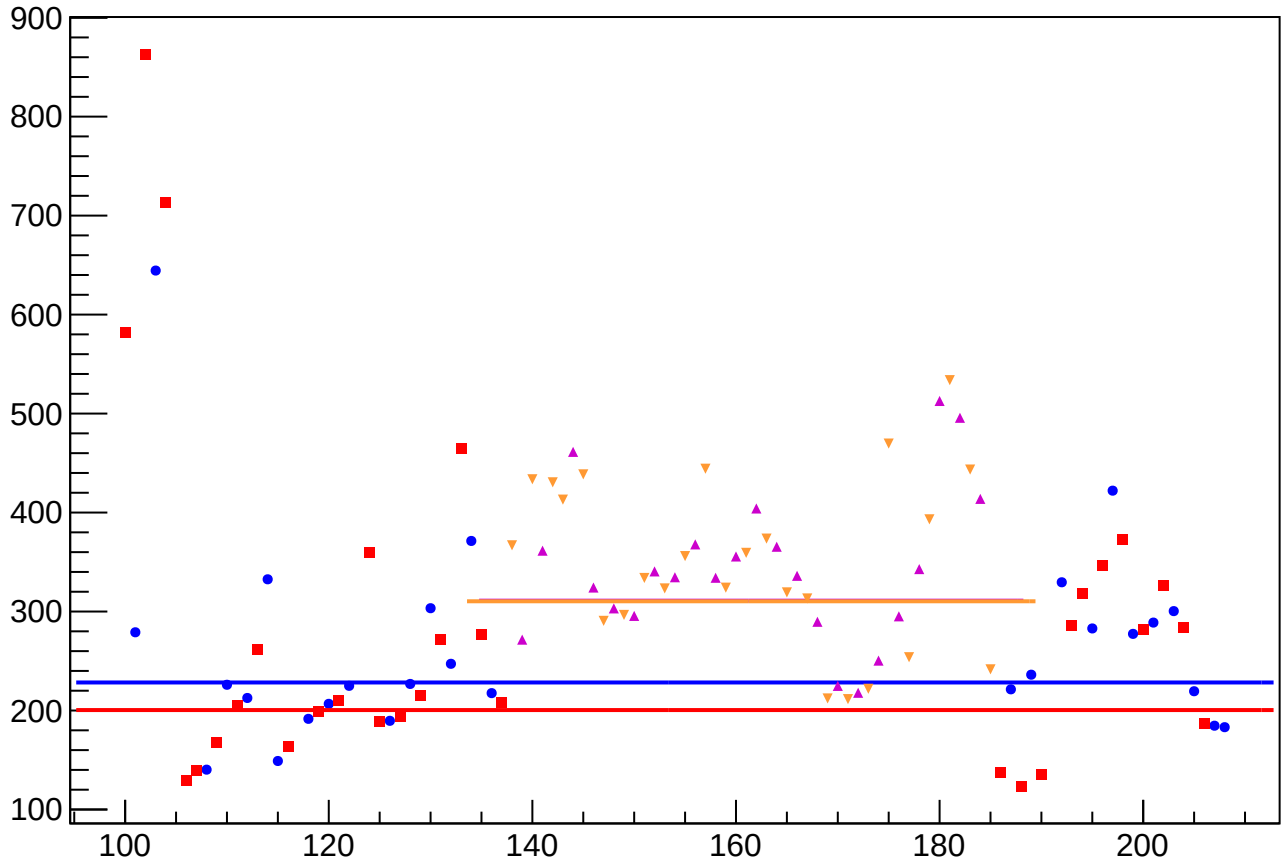
Right Out: -0.034+/-0.056 χ^2/NDF: 35.9/29

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.010+/-0.047 χ^2/NDF: 51.2/51

All: 0.012+/-0.033 χ^2/NDF: 121.4/104

- sign 0.014+/-0.045 χ^2/NDF: 70.2/52



Right In: 228.333+/-0.043 χ^2/NDF: 2180507.9/26

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

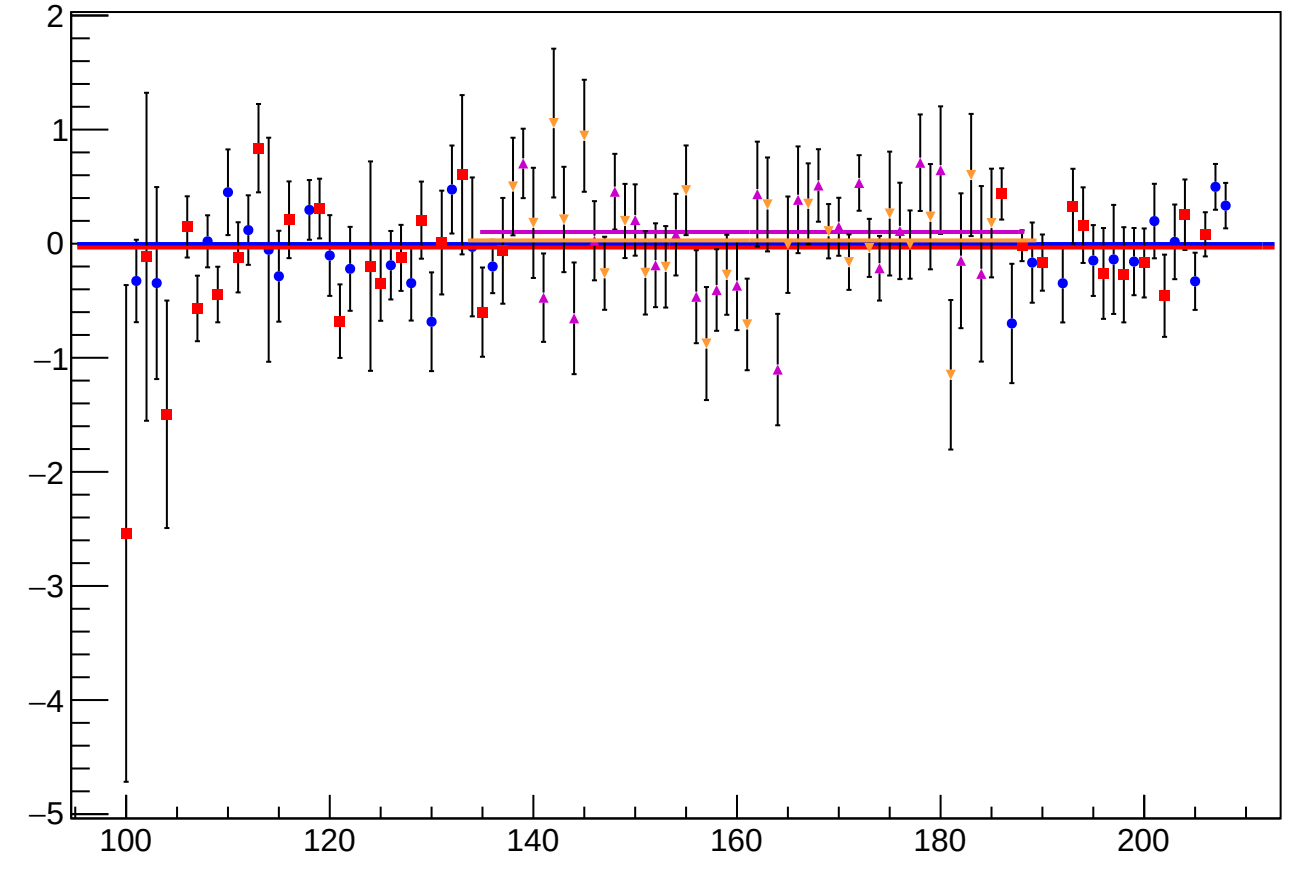
Right Out: 200.462+/-0.039 χ^2/NDF: 4337698.2/29

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 261.219+/-0.033 χ^2/NDF: 5989742.2/51

All: 249.546+/-0.023 χ^2/NDF: 14896728.9/10

- sign 238.966+/-0.032 χ^2/NDF: 8674567.0/52



Right In: -0.003+/-0.061 χ^2/NDF: 25.8/26

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

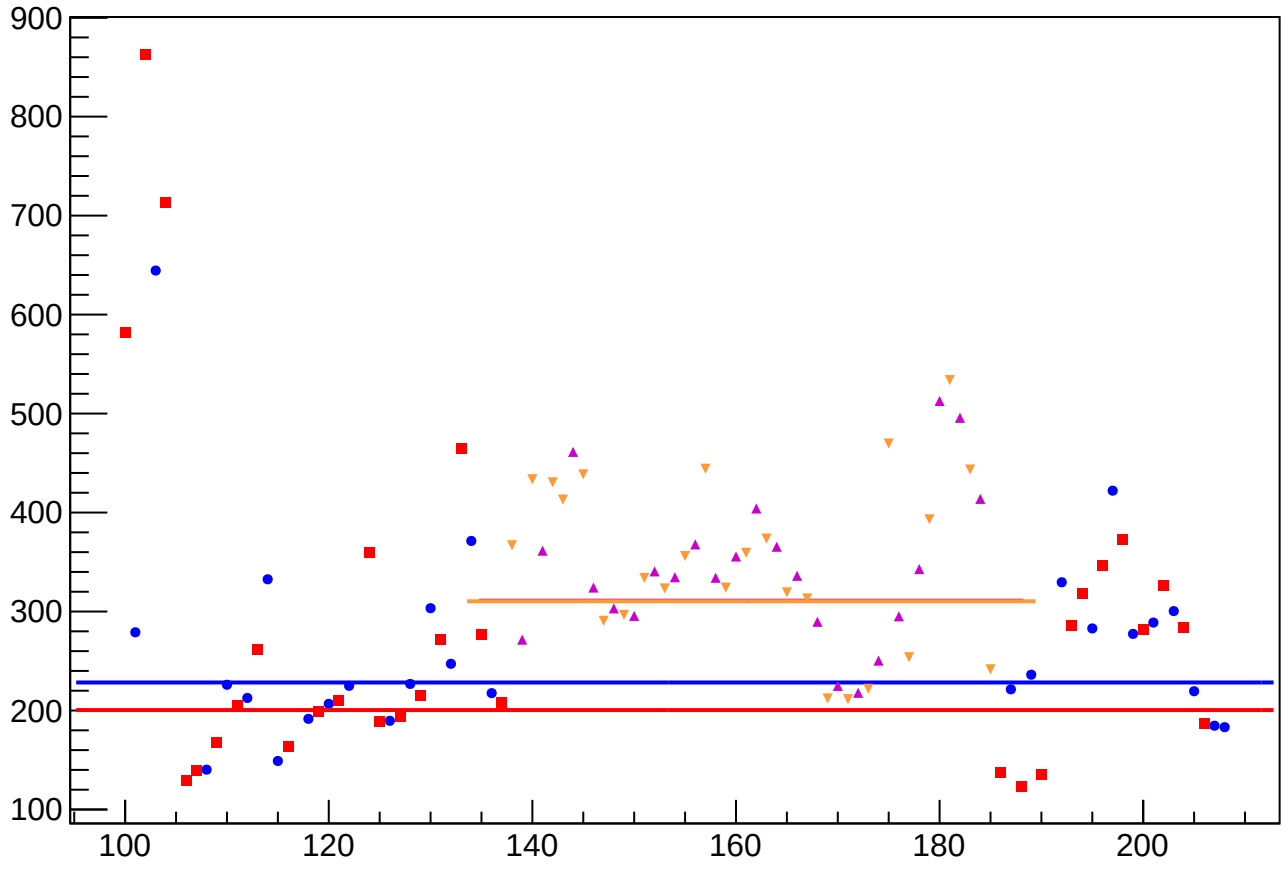
Right Out: -0.034+/-0.056 χ^2/NDF: 35.9/29

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.010+/-0.047 χ^2/NDF: 51.2/51

All: 0.012+/-0.033 χ^2/NDF: 121.4/104

- sign 0.014+/-0.045 χ^2/NDF: 70.2/52



Right In: 228.333+/-0.043 χ^2/NDF: 2180507.9/26

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

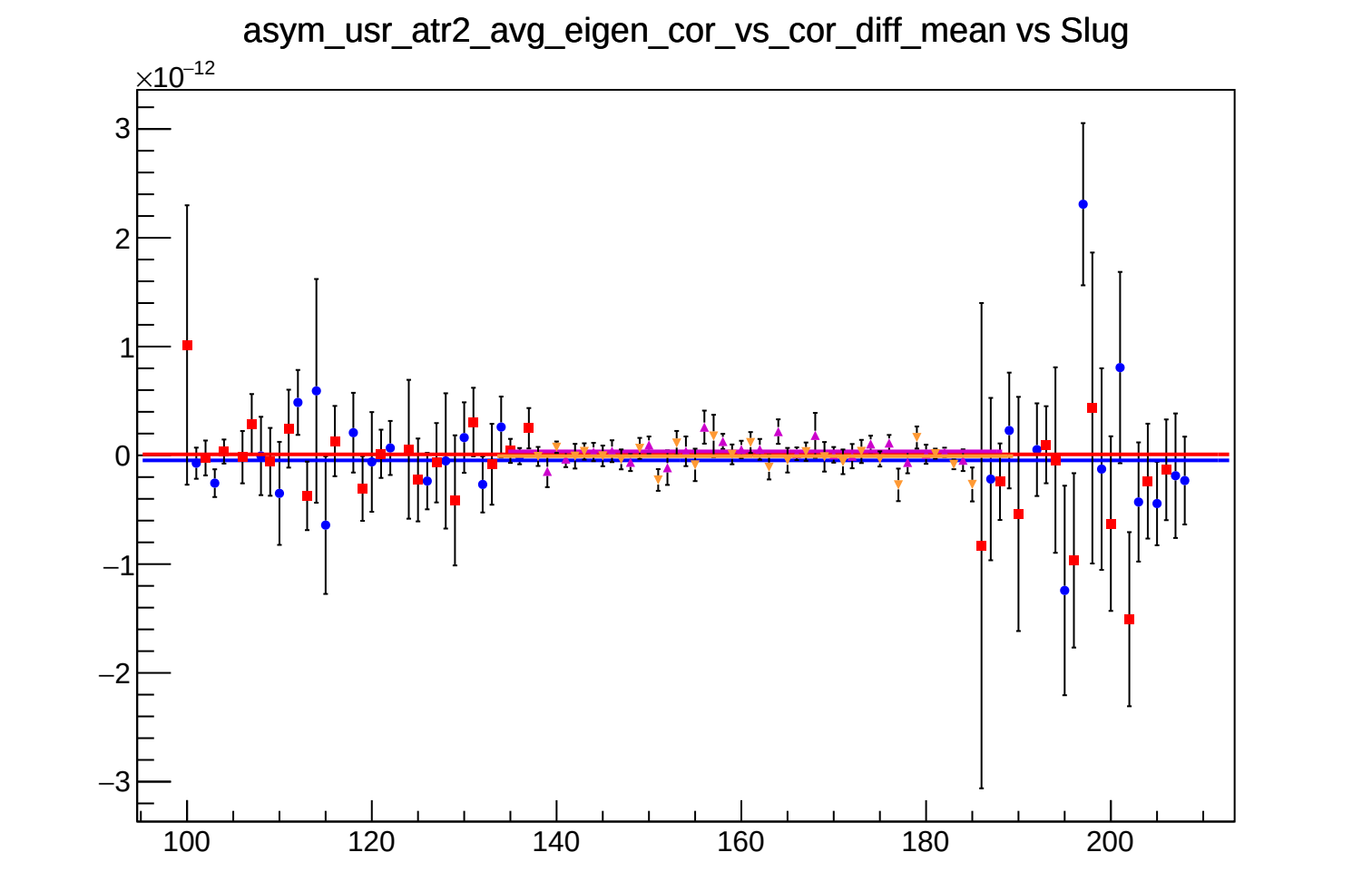
Right Out: 200.462+/-0.039 χ^2/NDF: 4337698.2/29

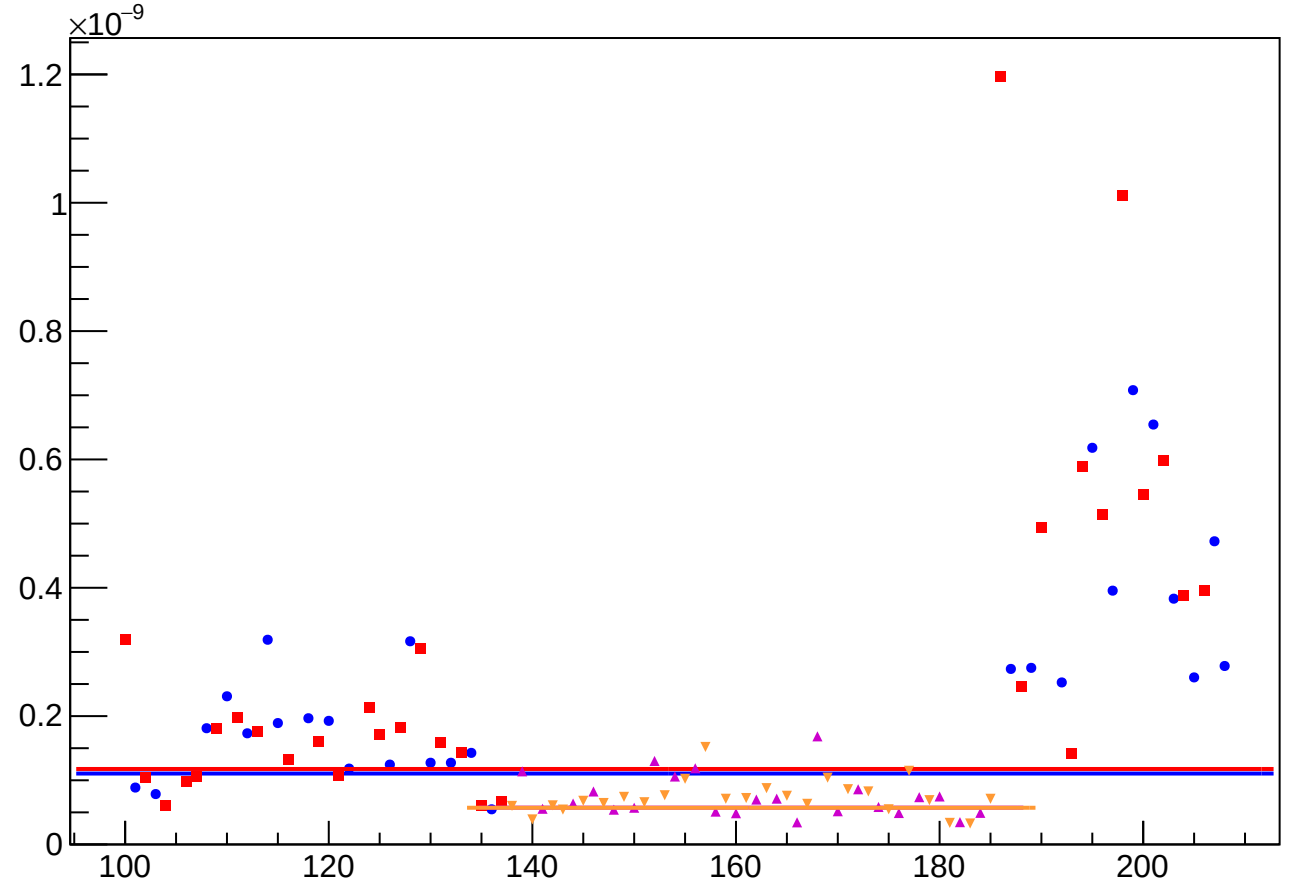
Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 261.219+/-0.033 χ^2/NDF: 5989742.2/51

All: 249.546+/-0.023 χ^2/NDF: 14896728.9/10

- sign 238.966+/-0.032 χ^2/NDF: 8674567.0/52


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.1/26
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/29
Left In: 0.000+/-0.000 χ²/NDF:16.7/22
+ sign -0.000+/-0.000 χ²/NDF: 52.5/51
All: 0.000+/-0.000 χ²/NDF: 89.0/104
- sign 0.000+/-0.000 χ²/NDF: 32.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 7039980.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7387498.4/29

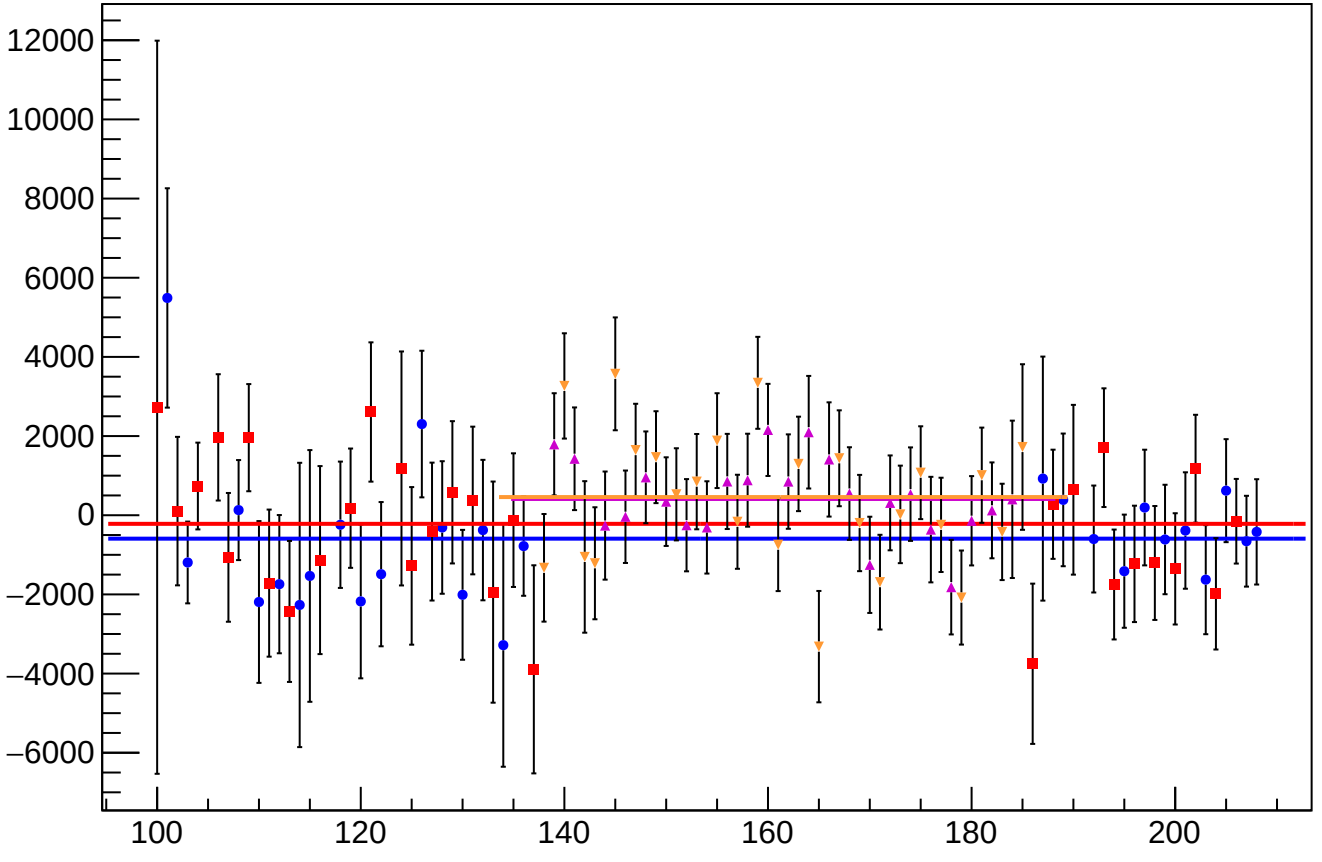
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12578023.5/51

All: 0.000+/-0.000 χ^2/NDF: 25860395.2/104

- sign 0.000+/-0.000 χ^2/NDF: 13280383.4/52

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -591.731+/-303.312 χ^2/NDF: 14.5/26

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -217.256+/-298.423 χ^2/NDF: 24.2/29

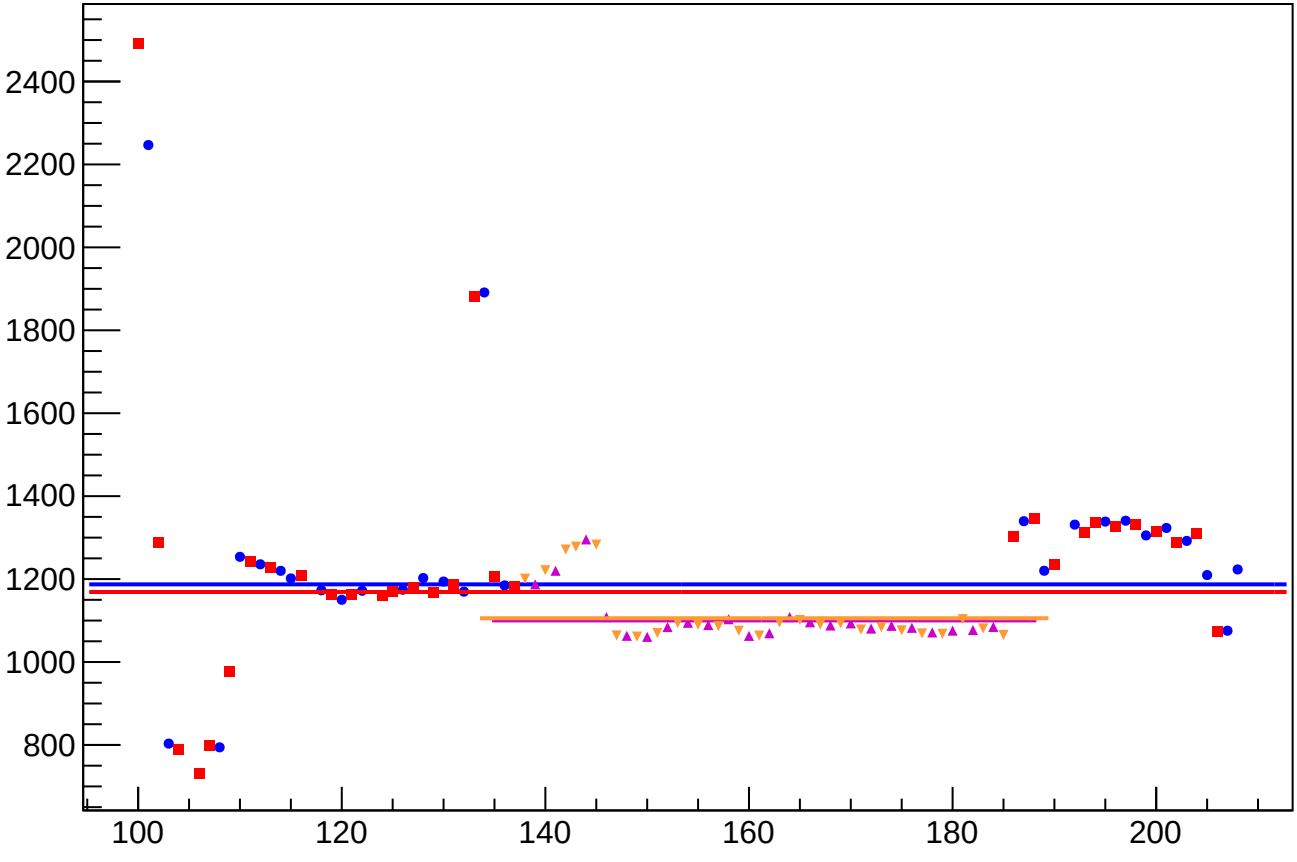
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 30.704+/-193.620 χ^2/NDF: 63.7/51

All: 86.691+/-137.334 χ^2/NDF: 104.3/104

- sign 143.378+/-194.826 χ^2/NDF: 40.4/52

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1187.290+/-0.214 χ^2/NDF: 1010063.4/26

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1168.876+/-0.210 χ^2/NDF: 969602.7/29

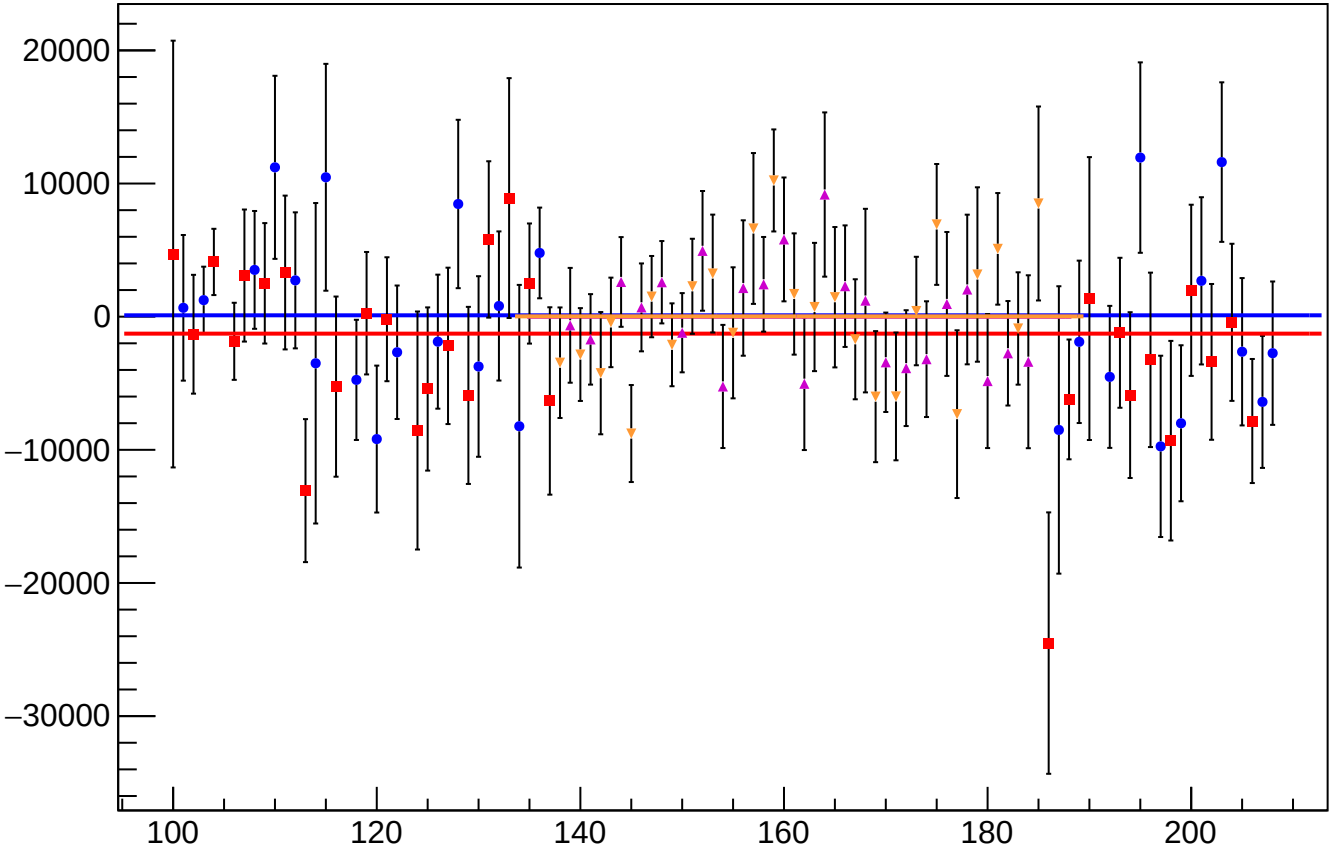
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

\+ sign 1138.858+/-0.137 χ^2/NDF: 1218078.0/51

All: 1134.301+/-0.097 χ^2/NDF: 2330961.4/10

\- sign 1129.704+/-0.138 χ^2/NDF: 1110658.0/52

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: 103.371+/-1020.634 χ^2/NDF: 28.7/26

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -1273.962+/-952.916 χ^2/NDF: 28.9/29

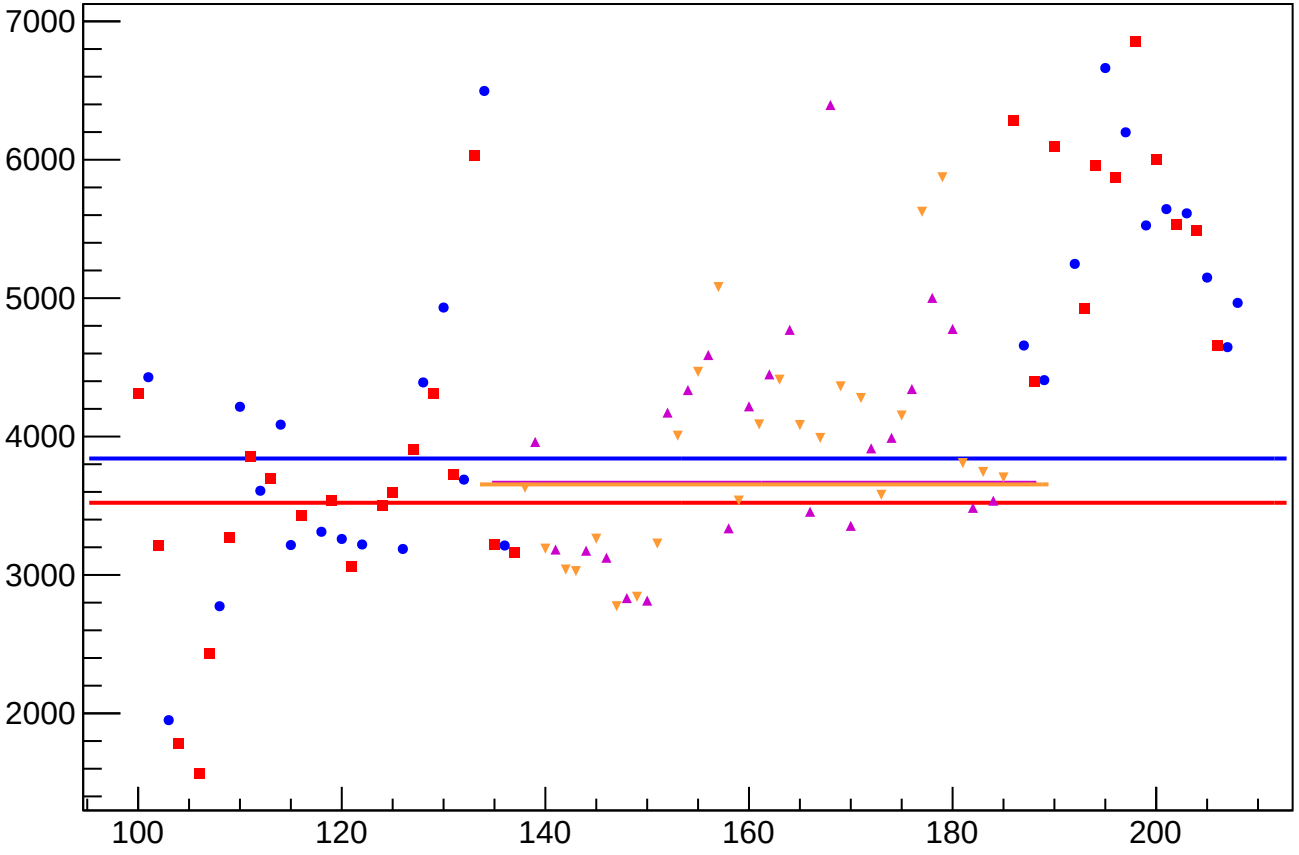
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 56.150+/-653.338 χ^2/NDF: 57.1/51

All: -269.439+/-458.862 χ^2/NDF: 101.5/104

- sign -586.387+/-644.609 χ^2/NDF: 43.9/52

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3841.453+/-0.722 χ^2/NDF: 3144407.0/26

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3521.589+/-0.674 χ^2/NDF: 4555682.8/29

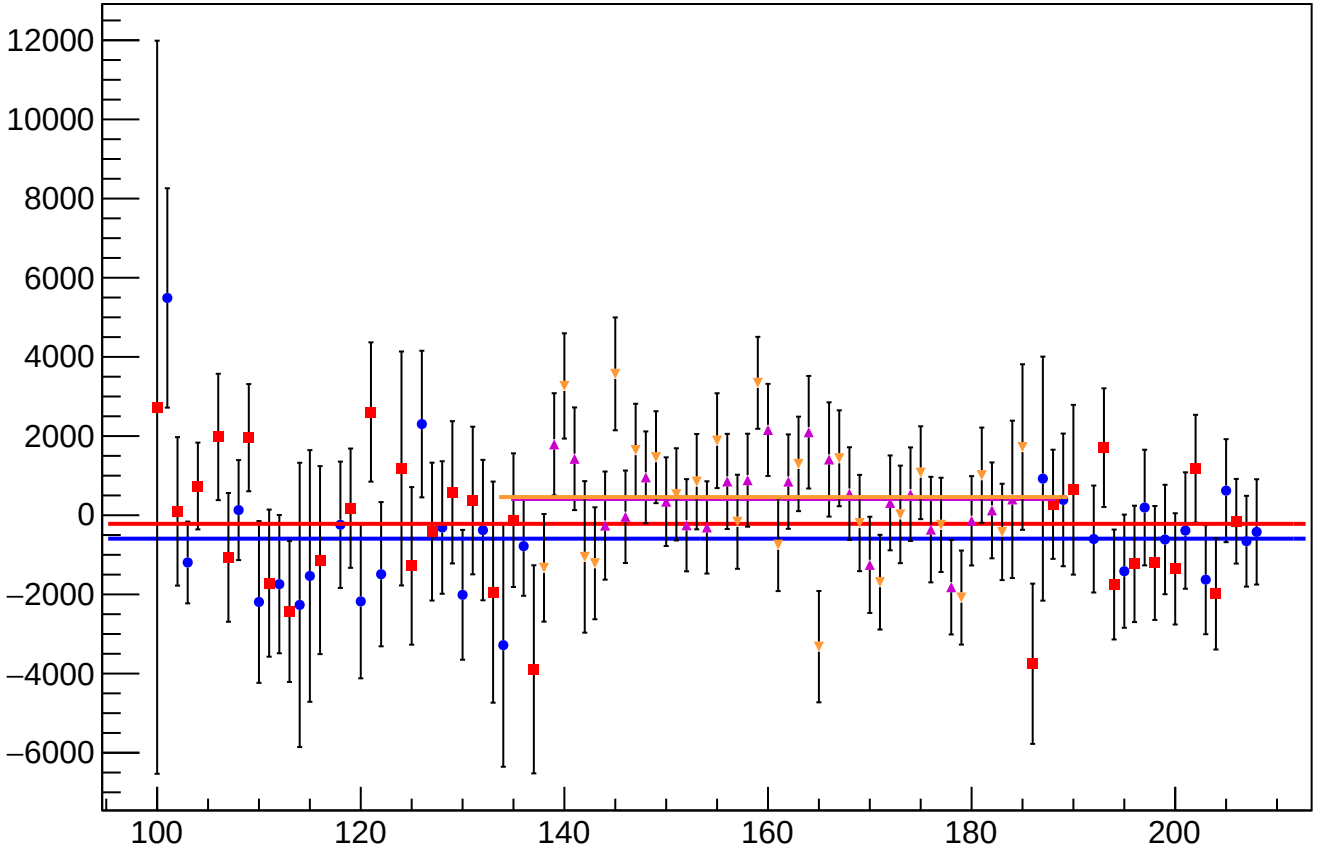
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3730.928+/-0.462 χ^2/NDF: 4495904.6/51

All: 3664.574+/-0.324 χ^2/NDF: 10460962.8/1

- sign 3599.982+/-0.456 χ^2/NDF: 5924346.8/52

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -591.769+/-303.312 χ^2/NDF: 14.5/26

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -217.098+/-298.425 χ^2/NDF: 24.2/29

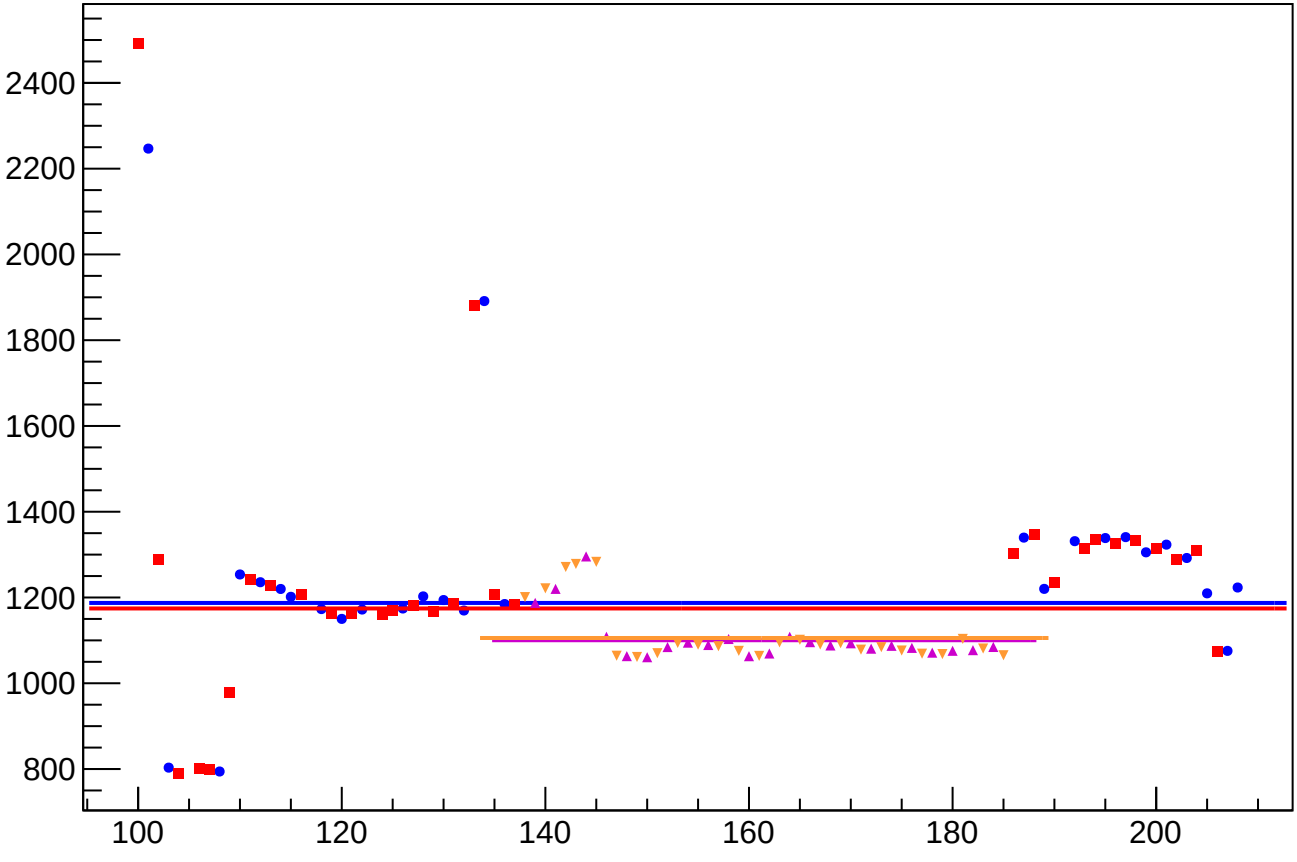
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 30.726+/-193.620 χ^2/NDF: 63.7/51

All: 86.708+/-137.335 χ^2/NDF: 104.3/104

- sign 143.391+/-194.826 χ^2/NDF: 40.4/52

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1187.290+/-0.214 χ^2/NDF: 1010058.9/26

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1174.405+/-0.211 χ^2/NDF: 893237.1/29

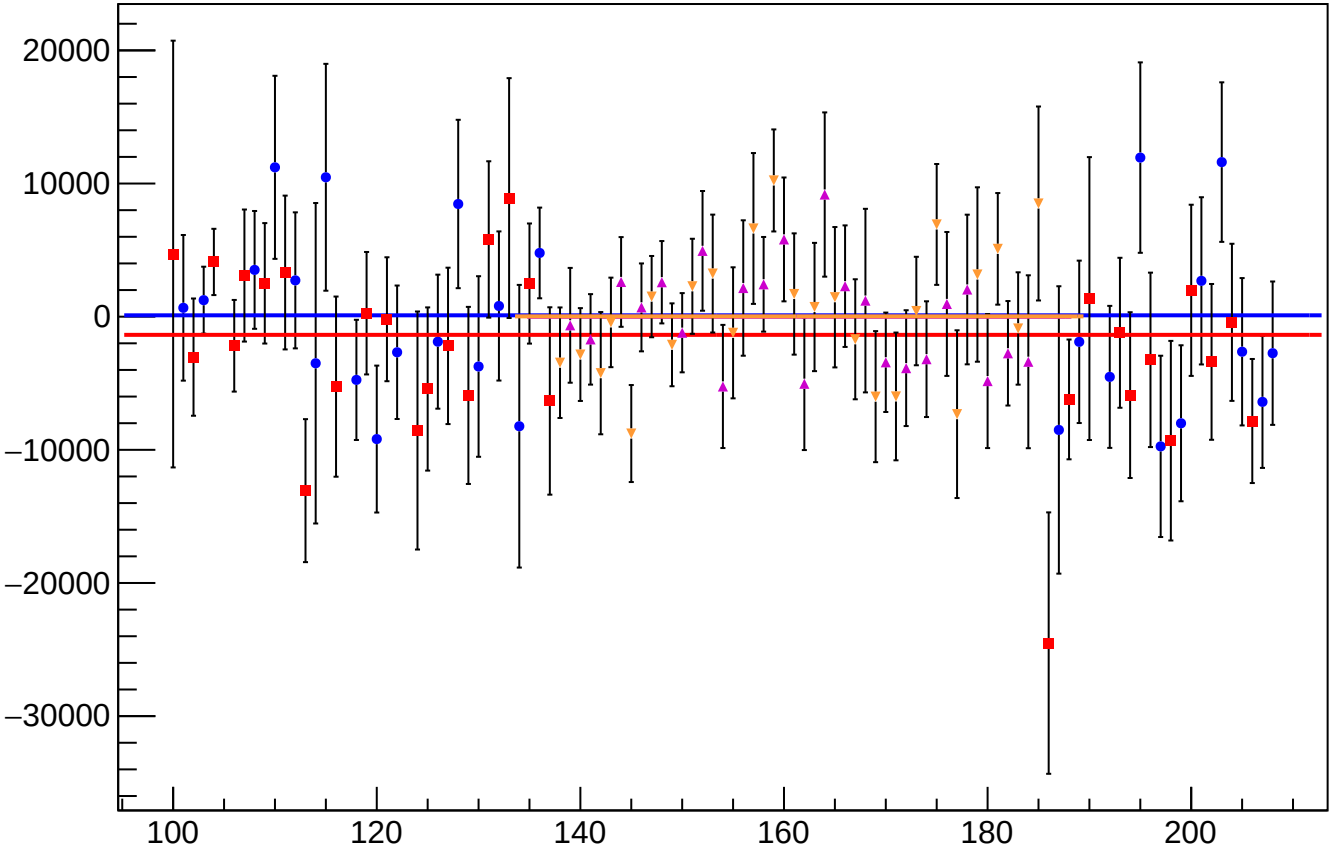
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

\+ sign 1138.858+/-0.137 χ^2/NDF: 1218074.2/51

All: 1135.424+/-0.097 χ^2/NDF: 2263568.3/10

\- sign 1131.950+/-0.138 χ^2/NDF: 1044228.6/52

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 102.939+/-1020.662 χ^2/NDF: 28.7/26

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -1364.796+/-967.809 χ^2/NDF: 29.1/29

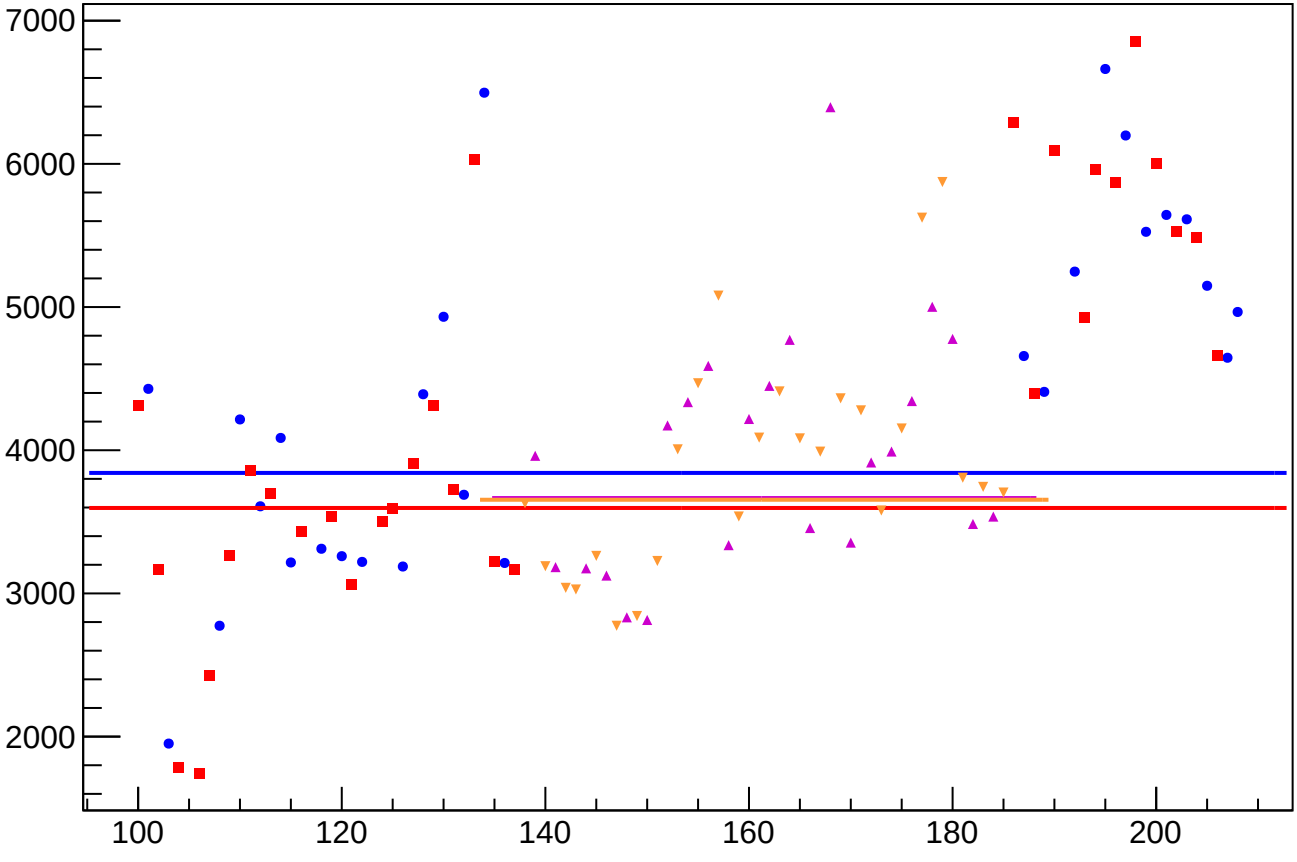
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 55.970+/-653.345 χ^2/NDF: 57.1/51

All: -282.947+/-460.498 χ^2/NDF: 101.9/104

- sign -617.537+/-649.160 χ^2/NDF: 44.2/52

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3841.616+/-0.722 χ^2/NDF: 3143595.2/26

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3596.823+/-0.684 χ^2/NDF: 4167809.1/29

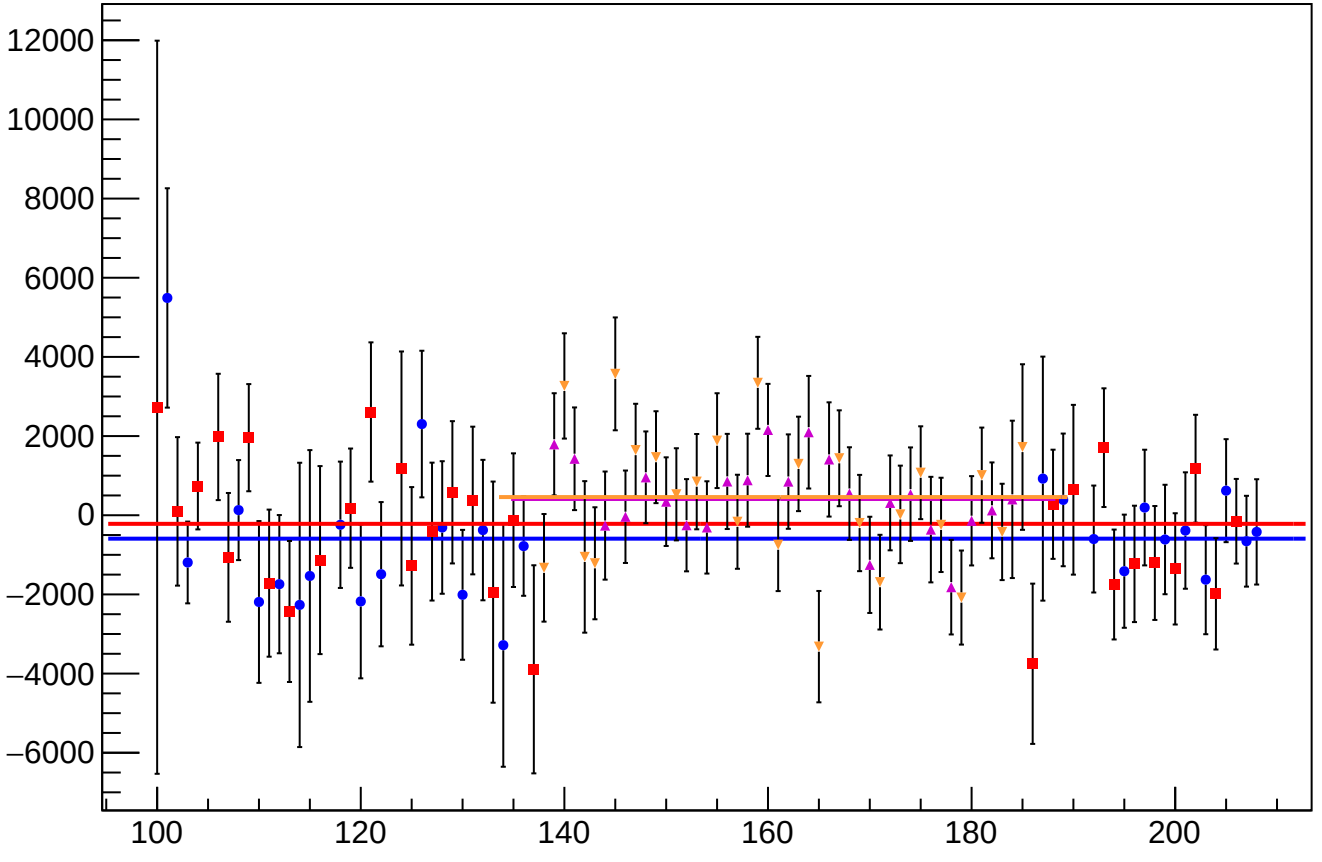
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

\+ sign 3730.991+/-0.462 χ^2/NDF: 4495169.3/51

All: 3682.657+/-0.326 χ^2/NDF: 10034081.8/1

\- sign 3634.939+/-0.459 χ^2/NDF: 5517160.2/52

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -591.769+/-303.312 χ^2/NDF: 14.5/26

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -217.098+/-298.425 χ^2/NDF: 24.2/29

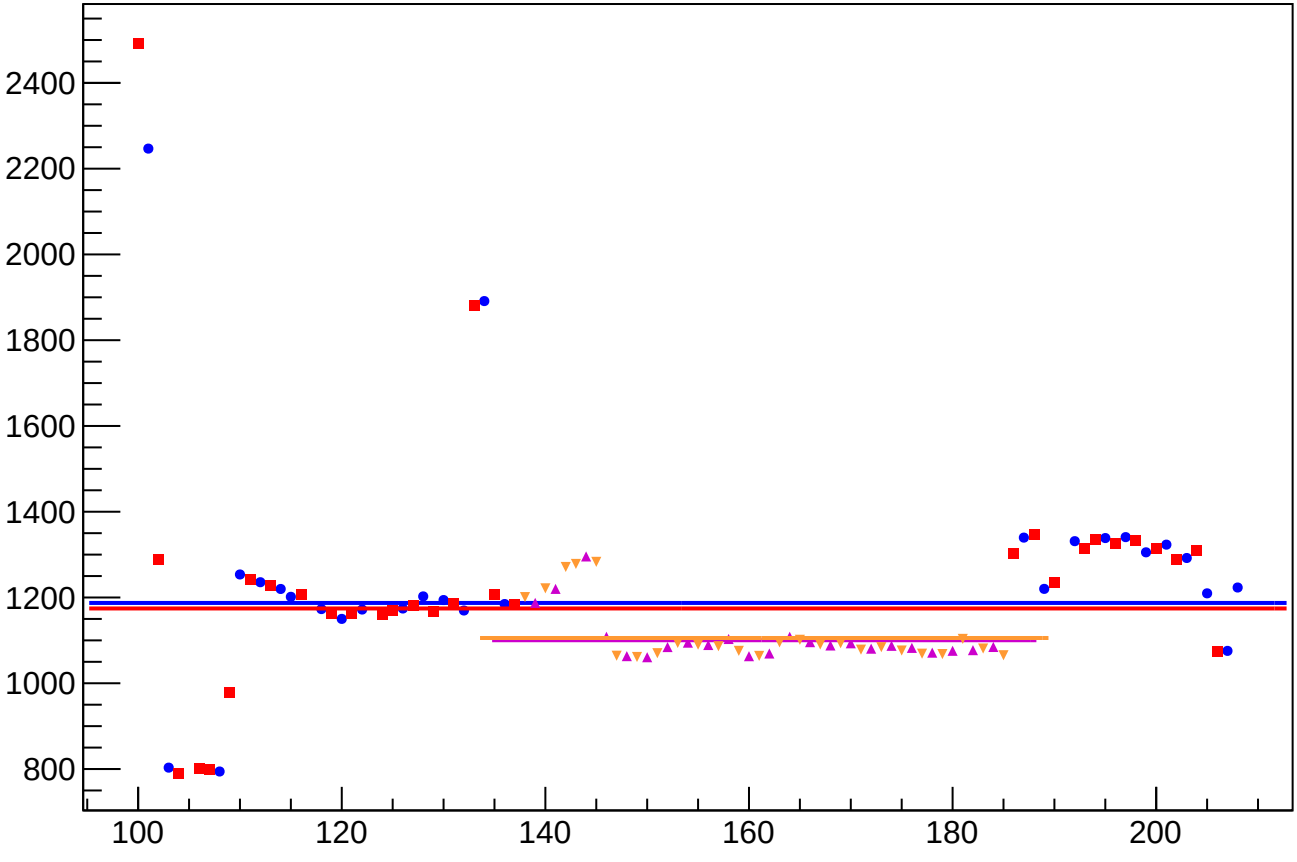
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 30.726+/-193.620 χ^2/NDF: 63.7/51

All: 86.708+/-137.335 χ^2/NDF: 104.3/104

- sign 143.391+/-194.826 χ^2/NDF: 40.4/52

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1187.290+/-0.214 χ^2/NDF: 1010058.9/26

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

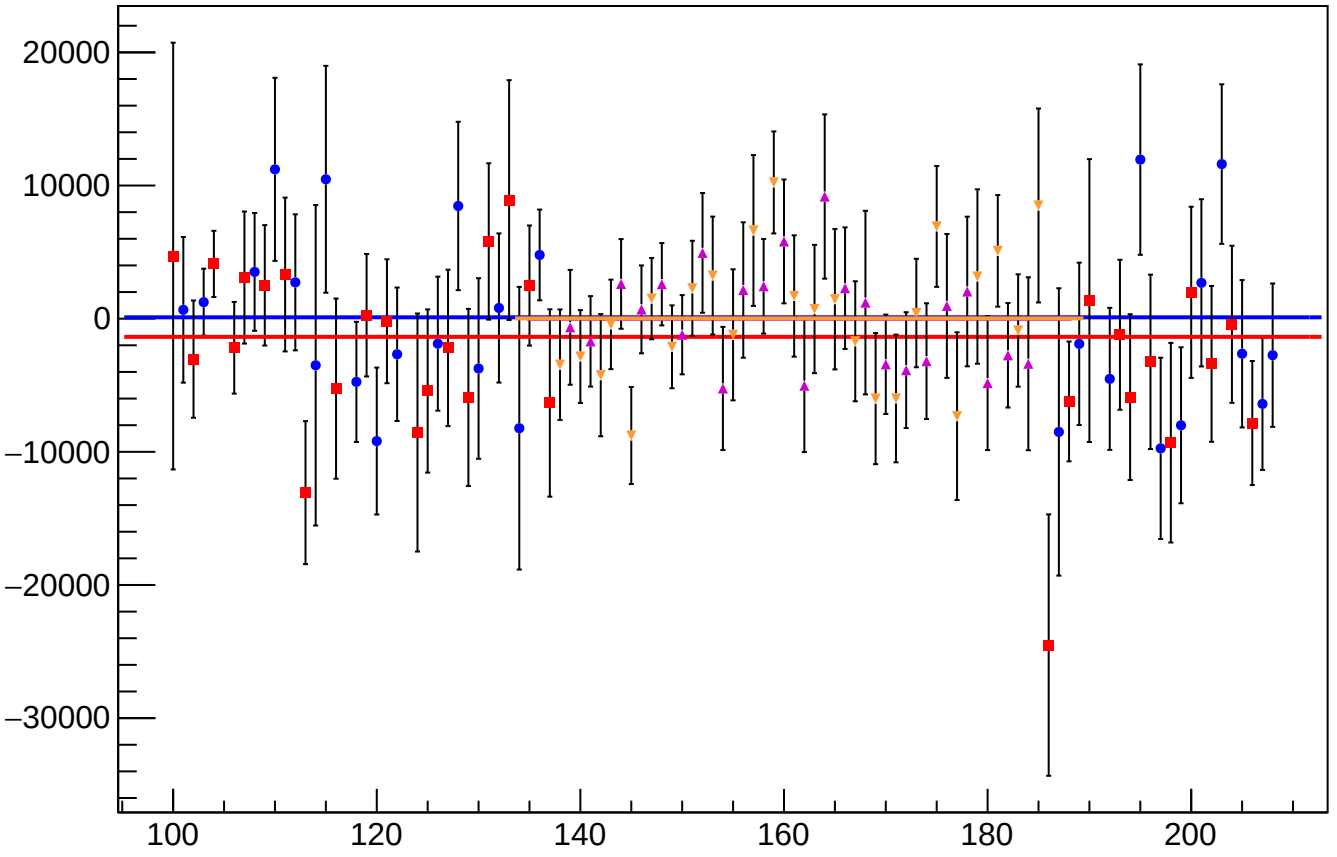
Right Out: 1174.405+/-0.211 χ^2/NDF: 893237.1/29

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1138.858+/-0.137 χ^2/NDF: 1218074.2/51

All: 1135.424+/-0.097 χ^2/NDF: 2263568.3/10

- sign 1131.950+/-0.138 χ^2/NDF: 1044228.6/52



Right In: 102.939+/-1020.662 χ^2/NDF: 28.7/26

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -1364.796+/-967.809 χ^2/NDF: 29.1/29

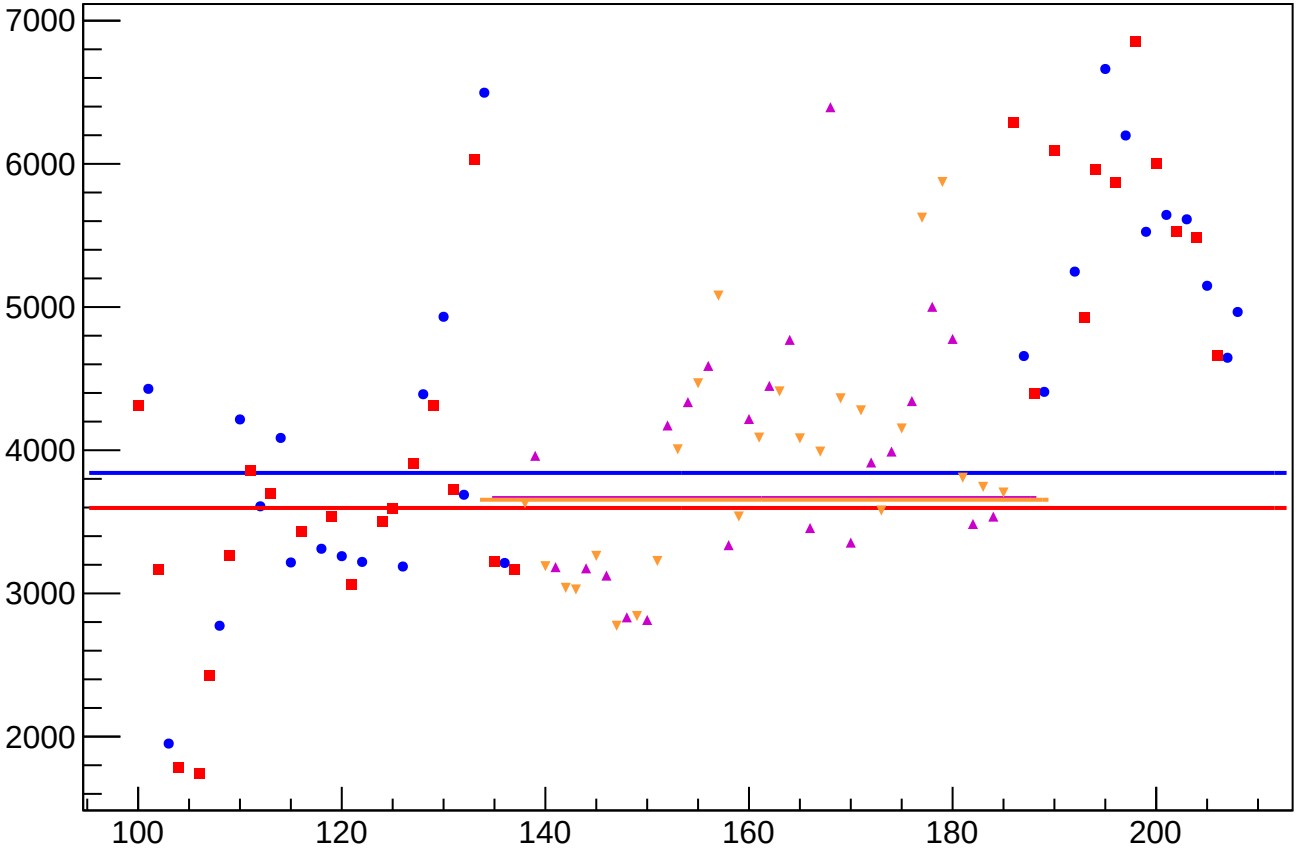
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 55.970+/-653.345 χ^2/NDF: 57.1/51

All: -282.947+/-460.498 χ^2/NDF: 101.9/104

- sign -617.537+/-649.160 χ^2/NDF: 44.2/52

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 3841.616+/-0.722 χ^2/NDF: 3143595.2/26

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3596.823+/-0.684 χ^2/NDF: 4167809.1/29

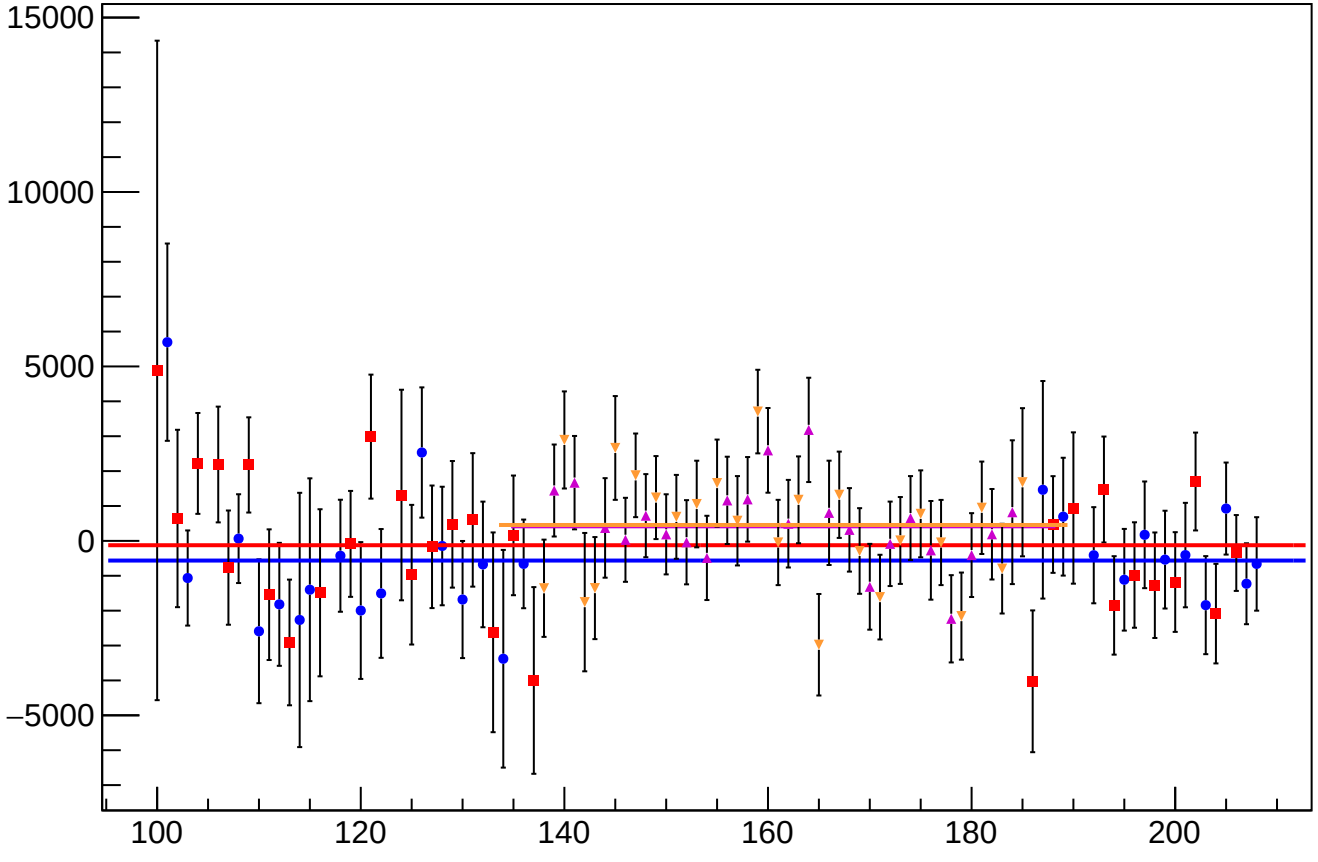
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3730.991+/-0.462 χ^2/NDF: 4495169.3/51

All: 3682.657+/-0.326 χ^2/NDF: 10034081.8/1

- sign 3634.939+/-0.459 χ^2/NDF: 5517160.2/52

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -563.914+/-313.305 χ^2/NDF: 15.7/26

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -124.411+/-309.772 χ^2/NDF: 29.6/29

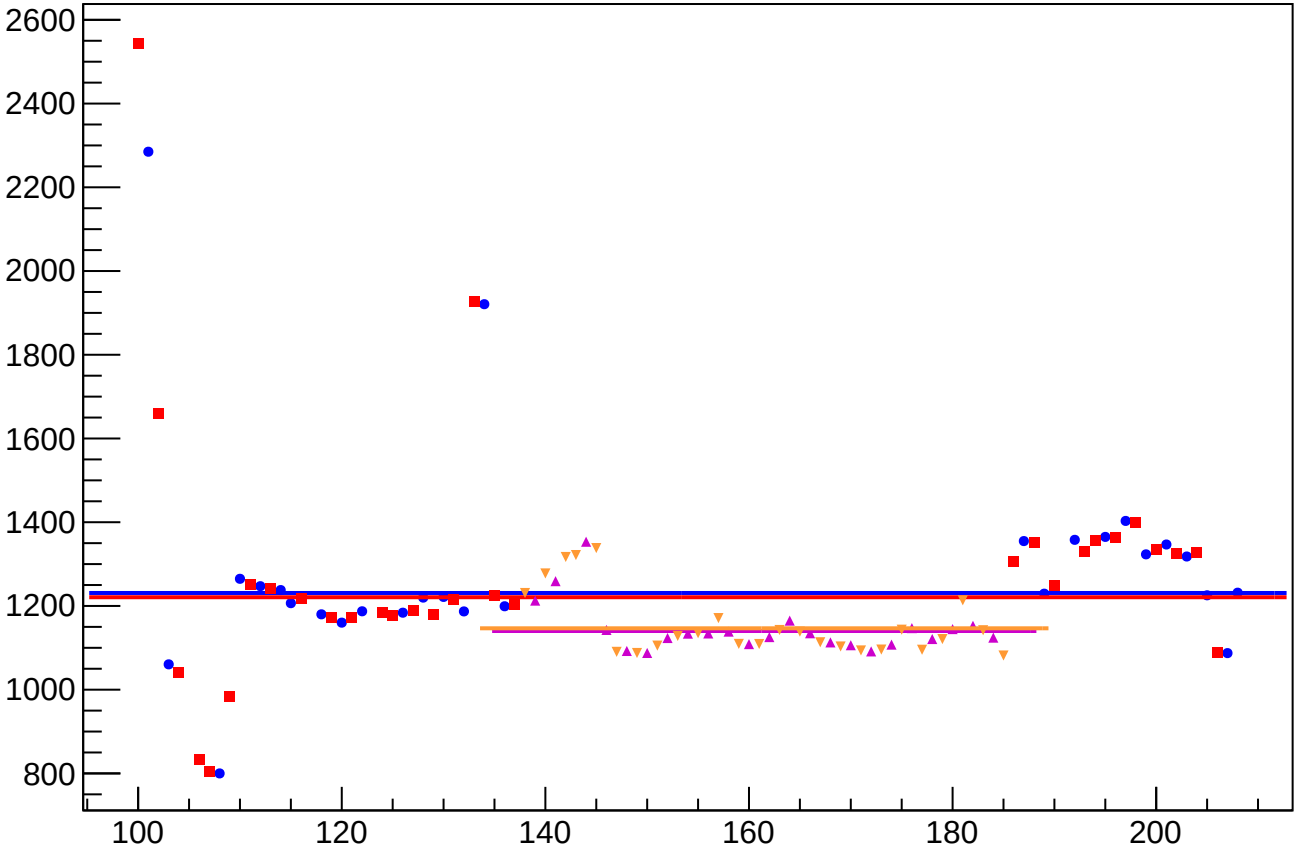
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 37.986+/-200.536 χ^2/NDF: 58.1/51

All: 111.807+/-142.336 χ^2/NDF: 107.1/104

- sign 186.755+/-202.061 χ^2/NDF: 48.7/52

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1231.002+/-0.222 χ^2/NDF: 768180.9/26

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1220.816+/-0.219 χ^2/NDF: 720853.4/29

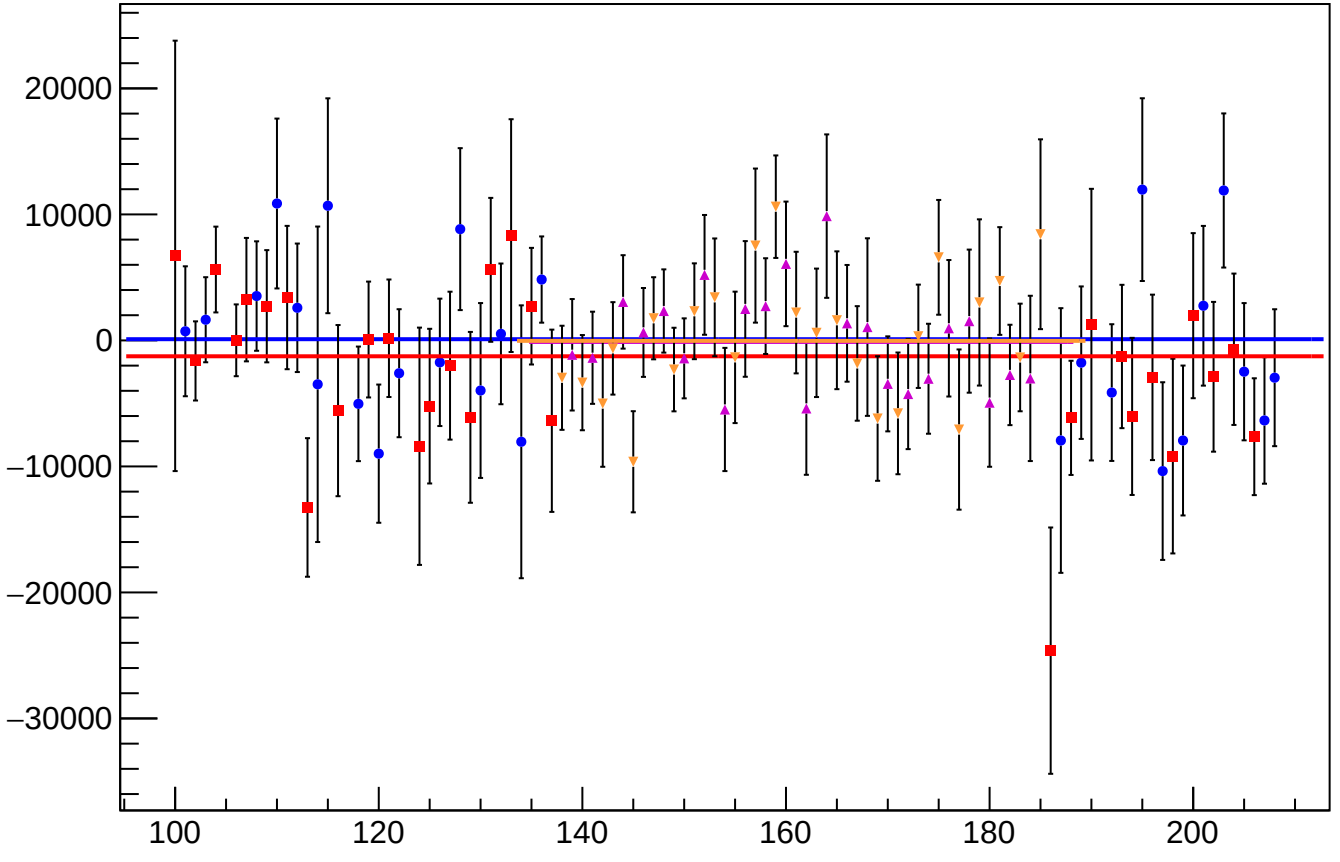
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1181.186+/-0.142 χ^2/NDF: 994849.5/51

All: 1177.864+/-0.101 χ^2/NDF: 1879449.6/10

- sign 1174.492+/-0.143 χ^2/NDF: 883494.0/52

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 96.964+/-1062.273 χ^2/NDF: 28.5/26

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -1258.950+/-965.665 χ^2/NDF: 28.3/29

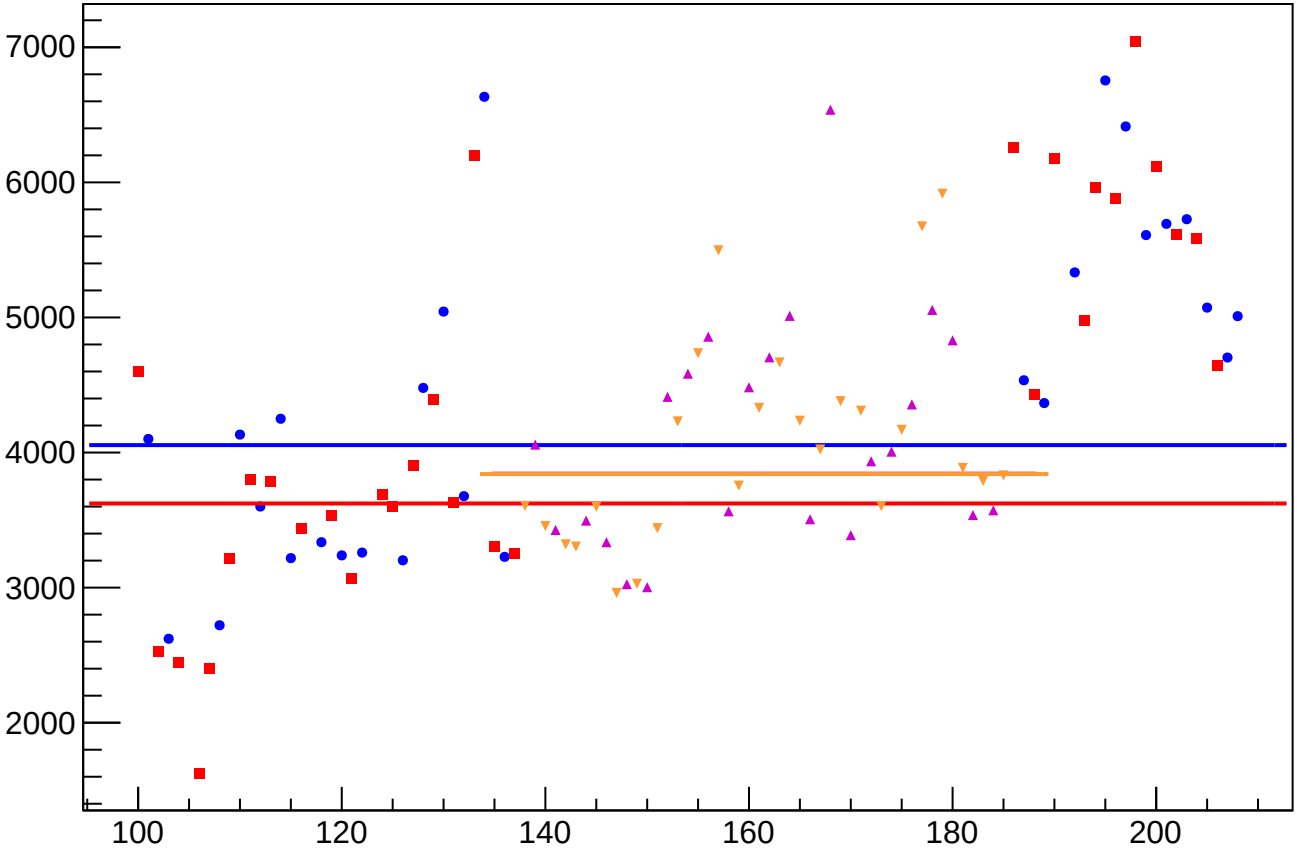
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 20.377+/-682.824 χ^2/NDF: 56.2/51

All: -328.984+/-476.206 χ^2/NDF: 99.5/104

- sign -659.811+/-664.465 χ^2/NDF: 42.8/52

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 4055.005+/-0.751 χ^2/NDF: 2280856.6/26

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3622.944+/-0.683 χ^2/NDF: 4023235.1/29

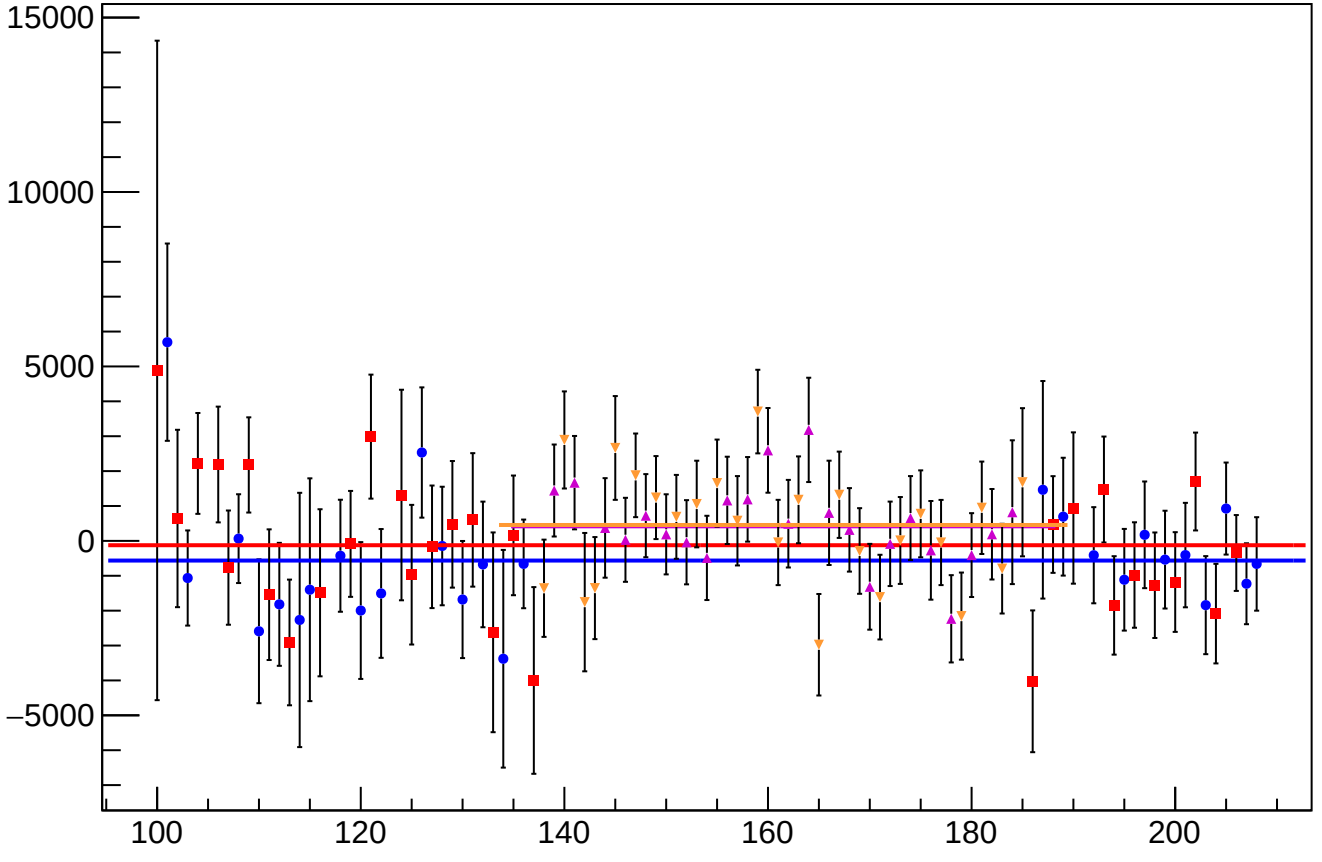
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

\+ sign 3929.324+/-0.483 χ^2/NDF: 3447231.7/51

All: 3831.560+/-0.337 χ^2/NDF: 8801195.0/10

\- sign 3738.983+/-0.470 χ^2/NDF: 5274141.1/52

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -563.913+/-313.305 χ^2/NDF: 15.7/26

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -124.409+/-309.772 χ^2/NDF: 29.6/29

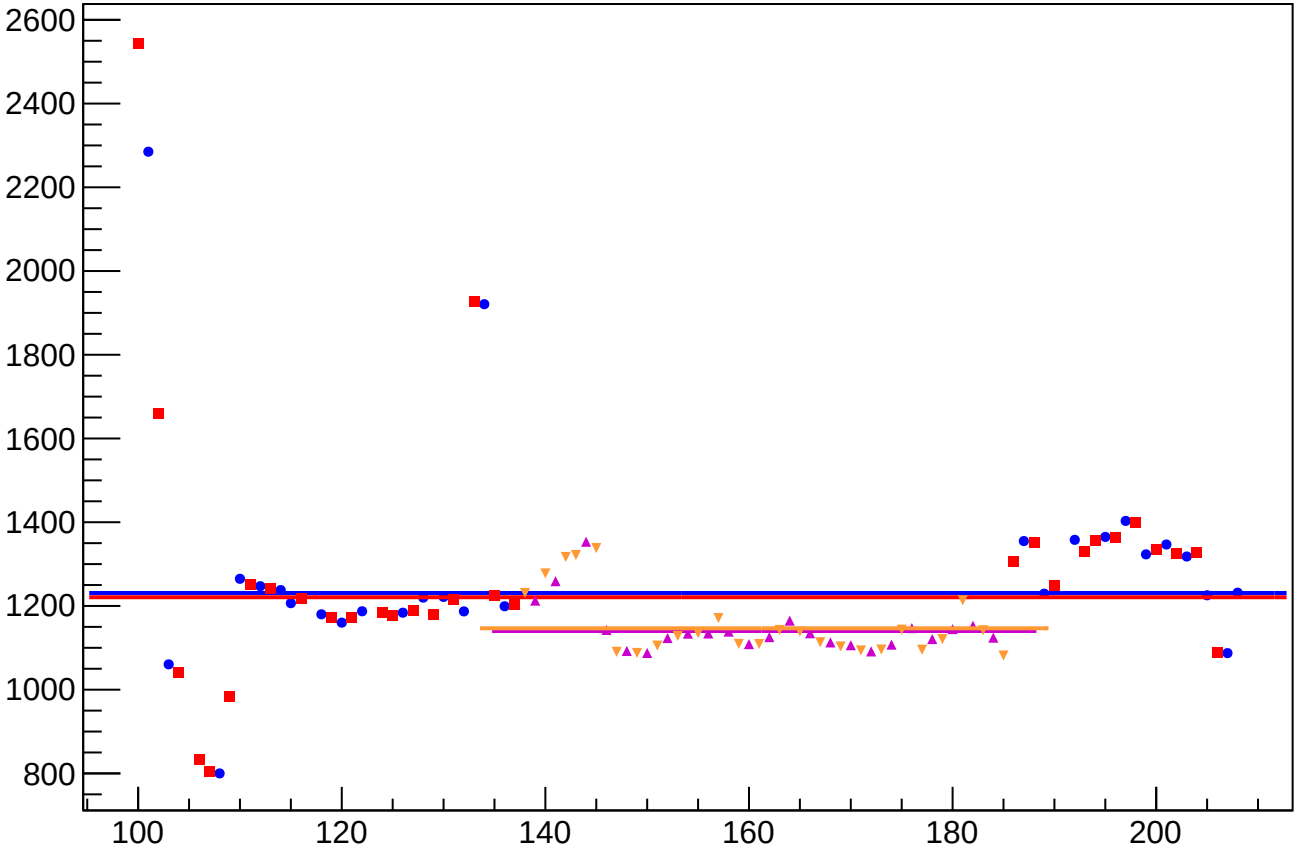
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 37.989+/-200.536 χ^2/NDF: 58.1/51

All: 111.808+/-142.336 χ^2/NDF: 107.1/104

- sign 186.755+/-202.061 χ^2/NDF: 48.7/52

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1231.001+/-0.222 χ^2/NDF: 768181.7/26

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

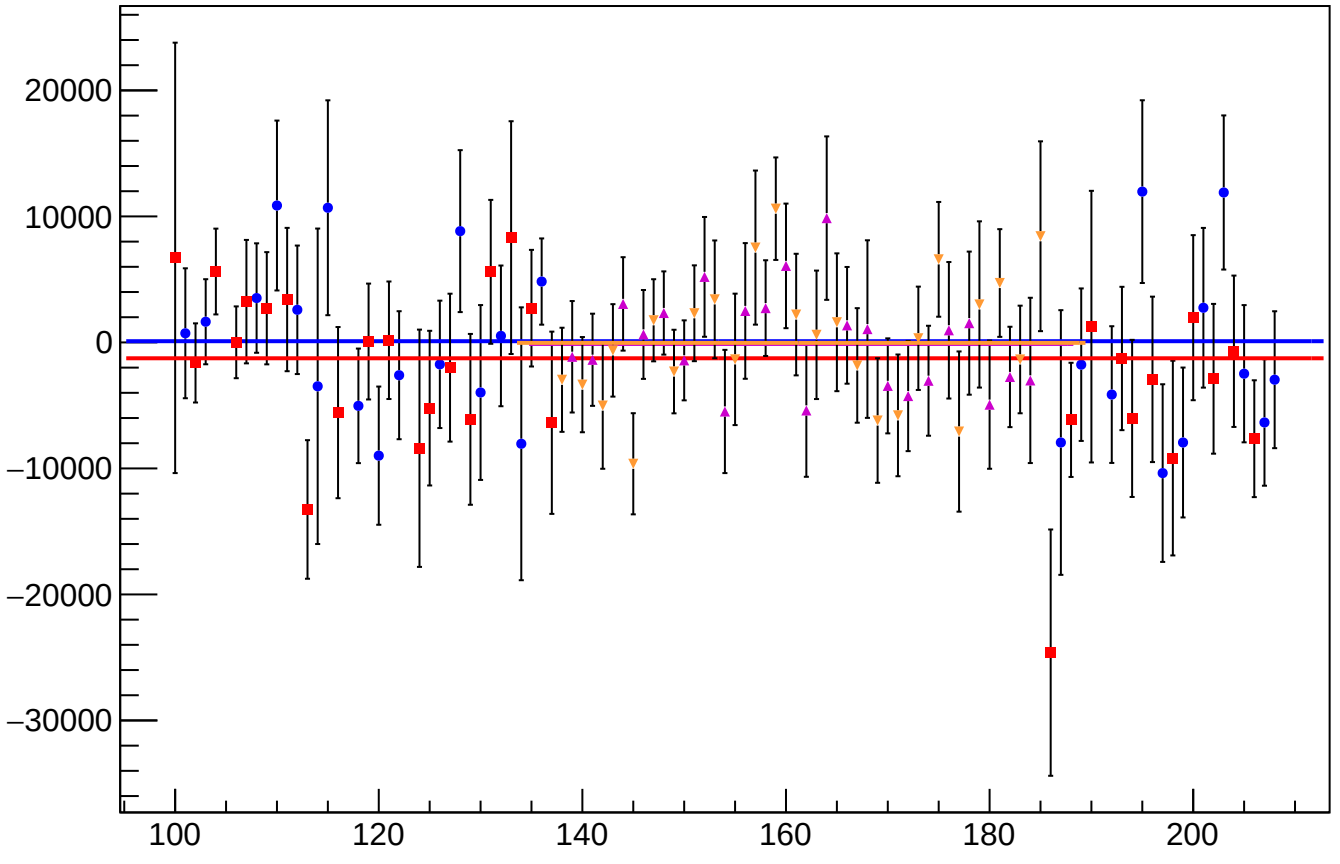
Right Out: 1220.817+/-0.219 χ^2/NDF: 720853.3/29

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1181.186+/-0.142 χ^2/NDF: 994848.8/51

All: 1177.864+/-0.101 χ^2/NDF: 1879447.4/10

- sign 1174.492+/-0.143 χ^2/NDF: 883492.6/52



Right In: 96.955+/-1062.272 χ^2/NDF: 28.5/26

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

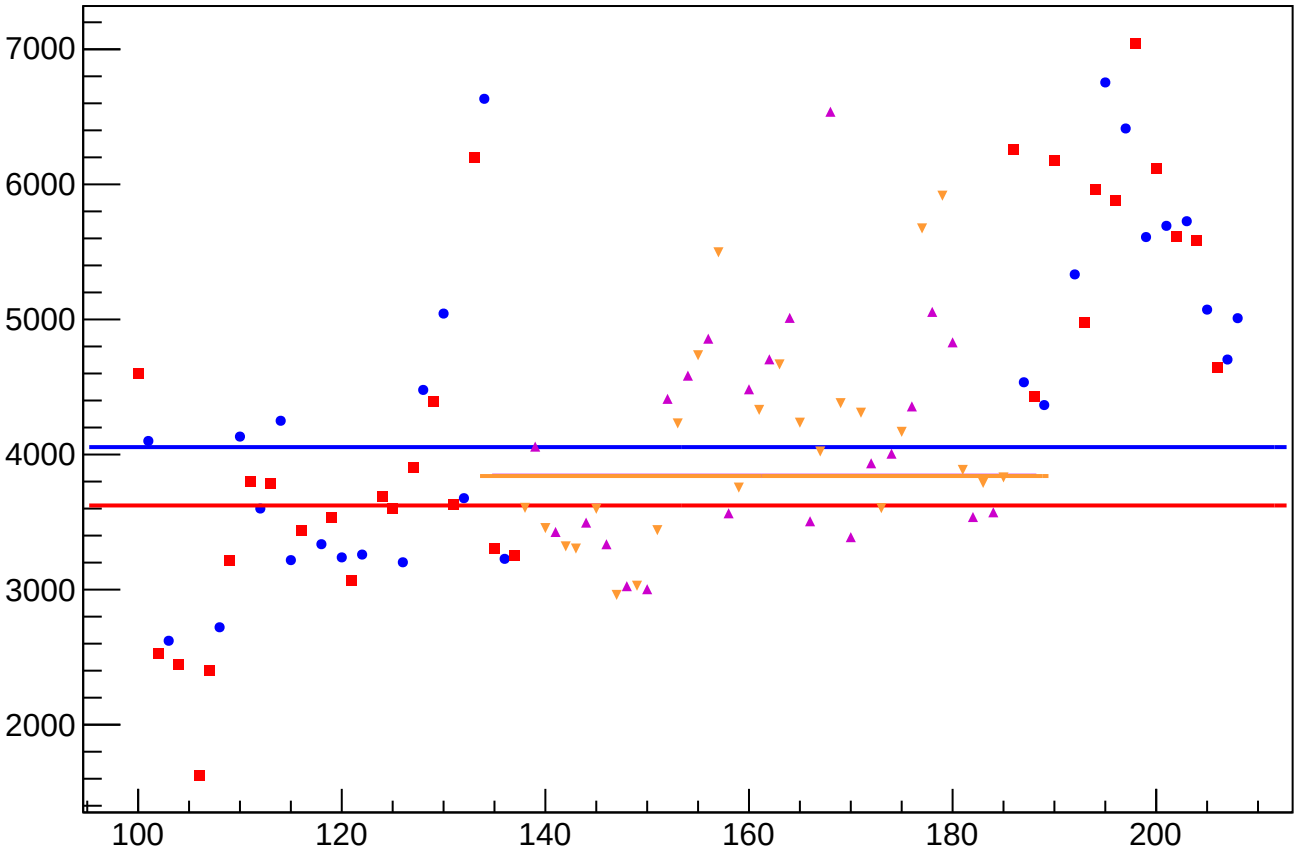
Right Out: -1258.942+/-965.664 χ^2/NDF: 28.3/29

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 20.374+/-682.824 χ^2/NDF: 56.2/51

All: -328.985+/-476.206 χ^2/NDF: 99.5/104

- sign -659.810+/-664.465 χ^2/NDF: 42.8/52



Right In: 4055.003+/-0.751 χ^2/NDF: 2280867.6/26

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3622.939+/-0.683 χ^2/NDF: 4023255.0/29

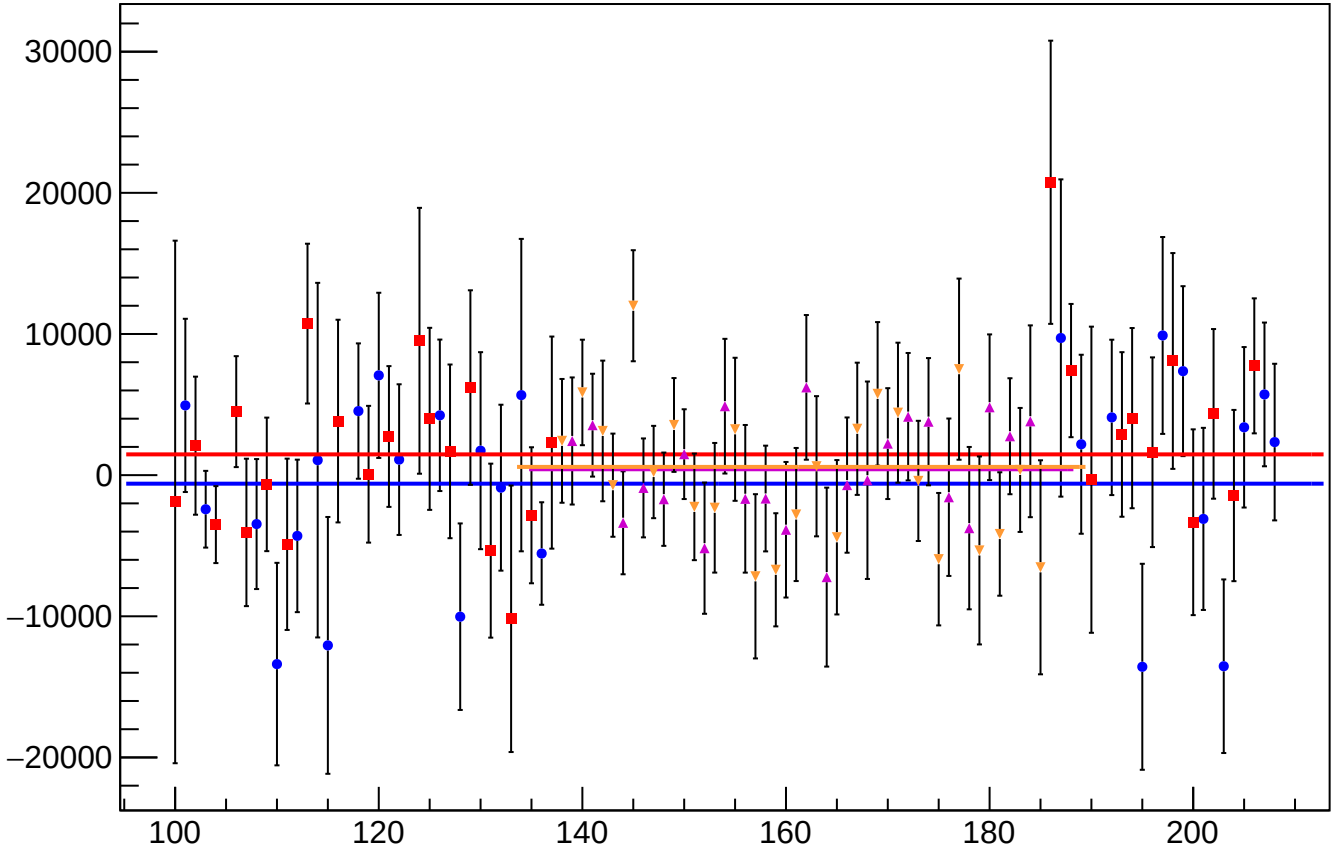
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

\+ sign 3929.327+/-0.483 χ^2/NDF: 3447241.0/51

All: 3831.562+/-0.337 χ^2/NDF: 8801234.6/10

\- sign 3738.983+/-0.470 χ^2/NDF: 5274169.5/52

asym_usr_atr2_dd_mean vs Slug



Right In: -604.852+/-1074.992 χ^2/NDF: 30.8/26

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 1471.208+/-1028.497 χ^2/NDF: 23.2/29

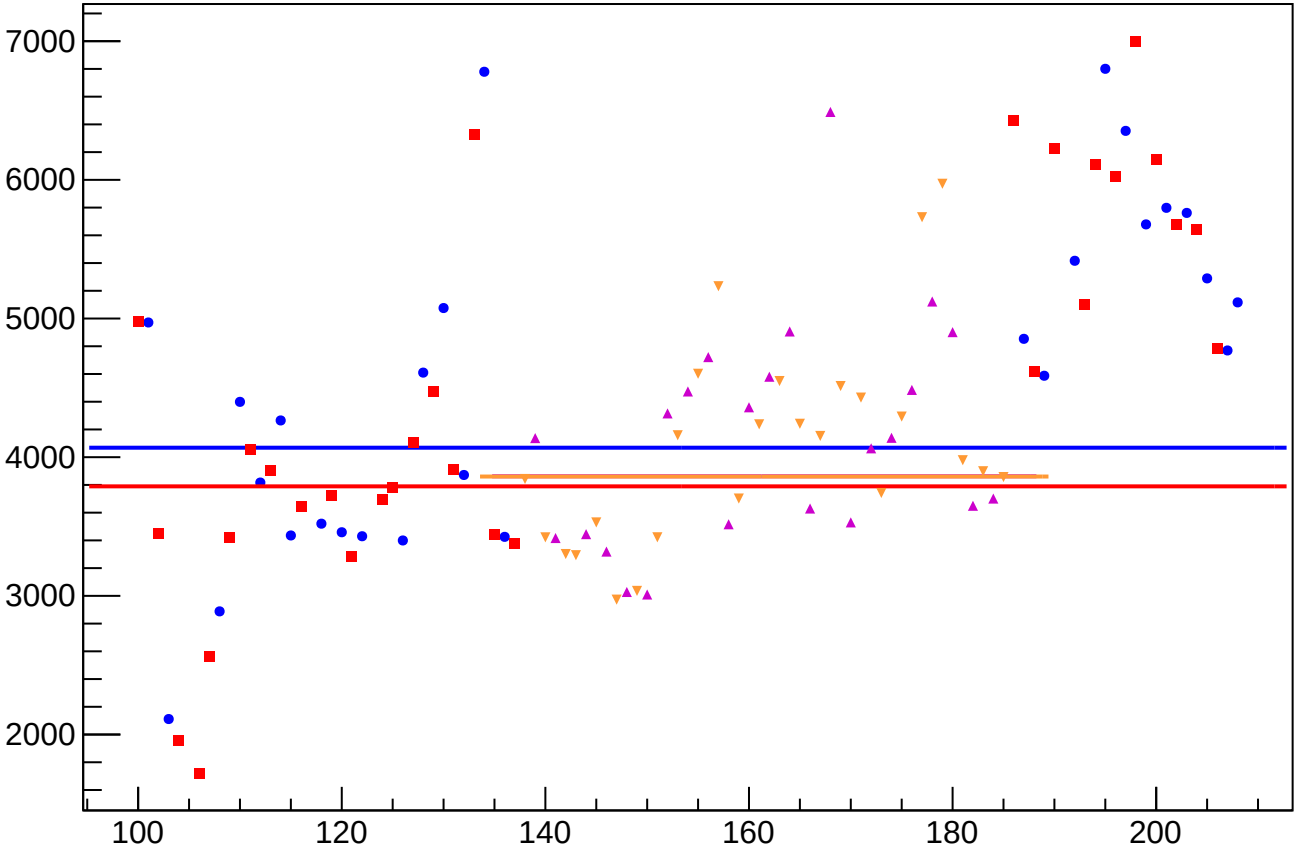
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign 96.934+/-687.773 χ^2/NDF: 59.0/51

All: 492.349+/-485.448 χ^2/NDF: 96.0/104

- sign 884.912+/-685.288 χ^2/NDF: 36.3/52

asym_usr_atr2_dd_rms vs Slug



Right In: 4068.416+/-0.760 χ^2/NDF: 2855872.6/26

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

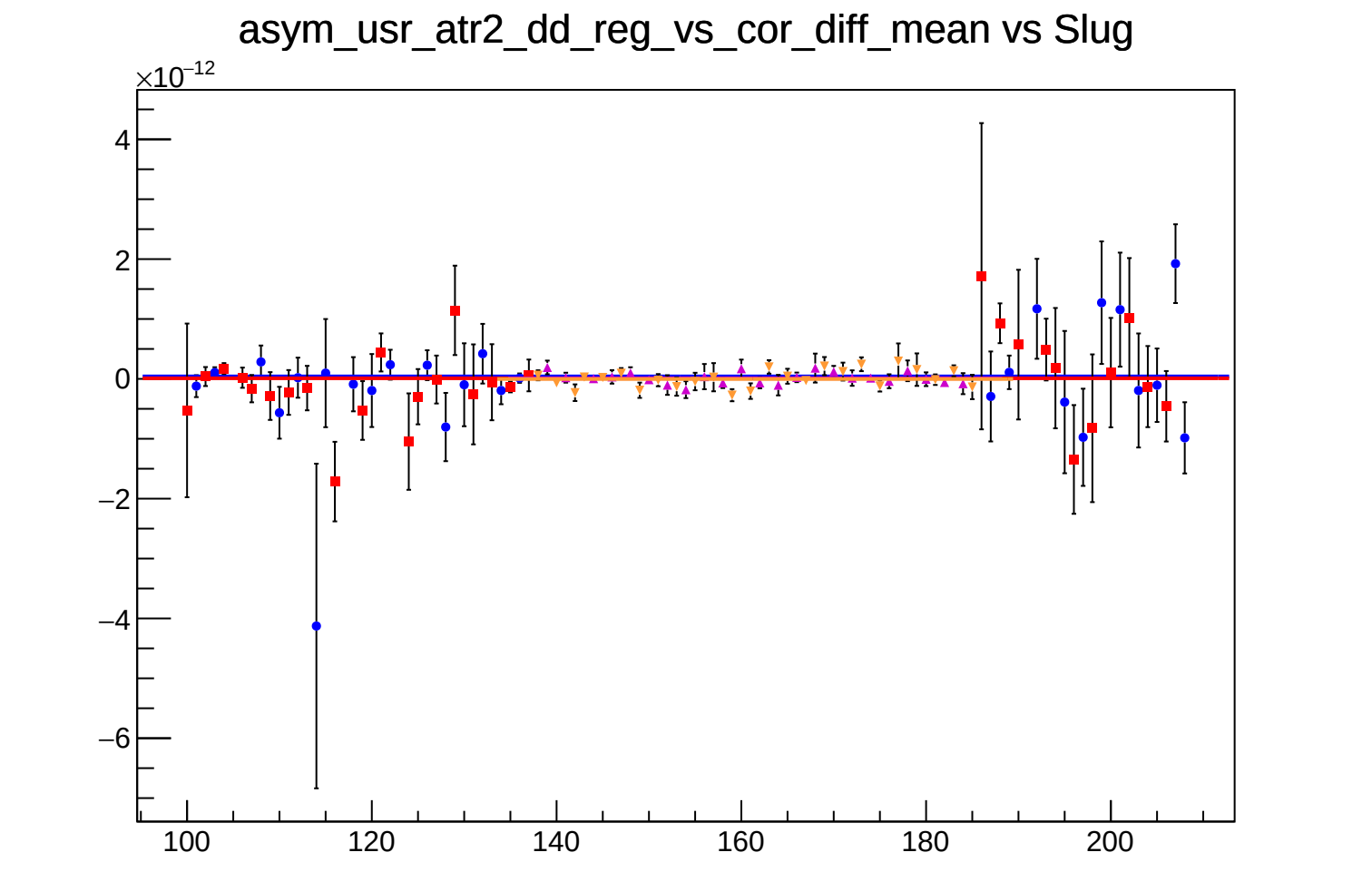
Right Out: 3789.685+/-0.719 χ^2/NDF: 3977407.8/29

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

\+ sign 3945.629+/-0.486 χ^2/NDF: 3997340.9/51

All: 3887.121+/-0.342 χ^2/NDF: 9151241.1/10

\- sign 3829.654+/-0.482 χ^2/NDF: 5125211.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

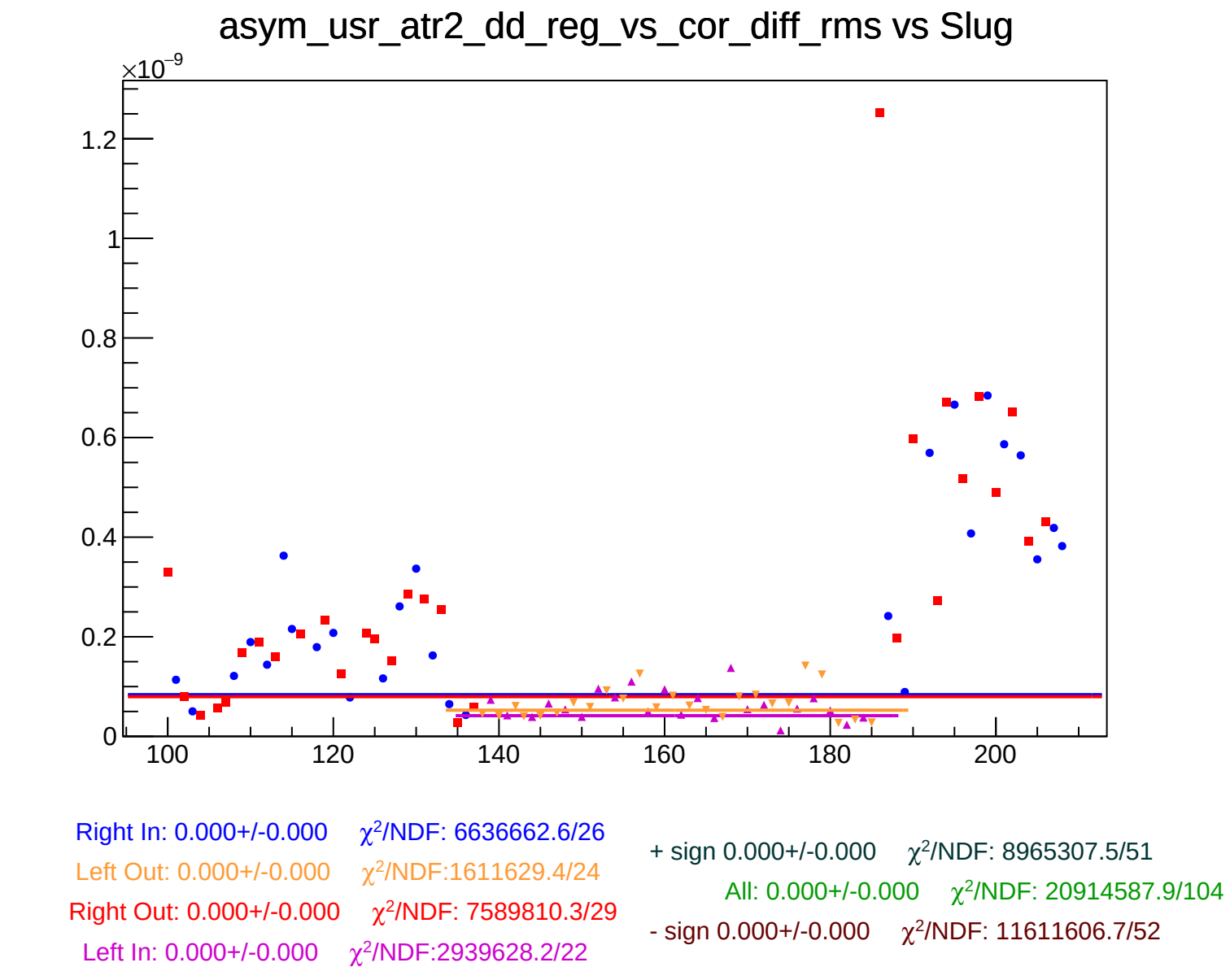
Right Out: 0.000+/-0.000 χ^2/NDF: 35.6/29

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

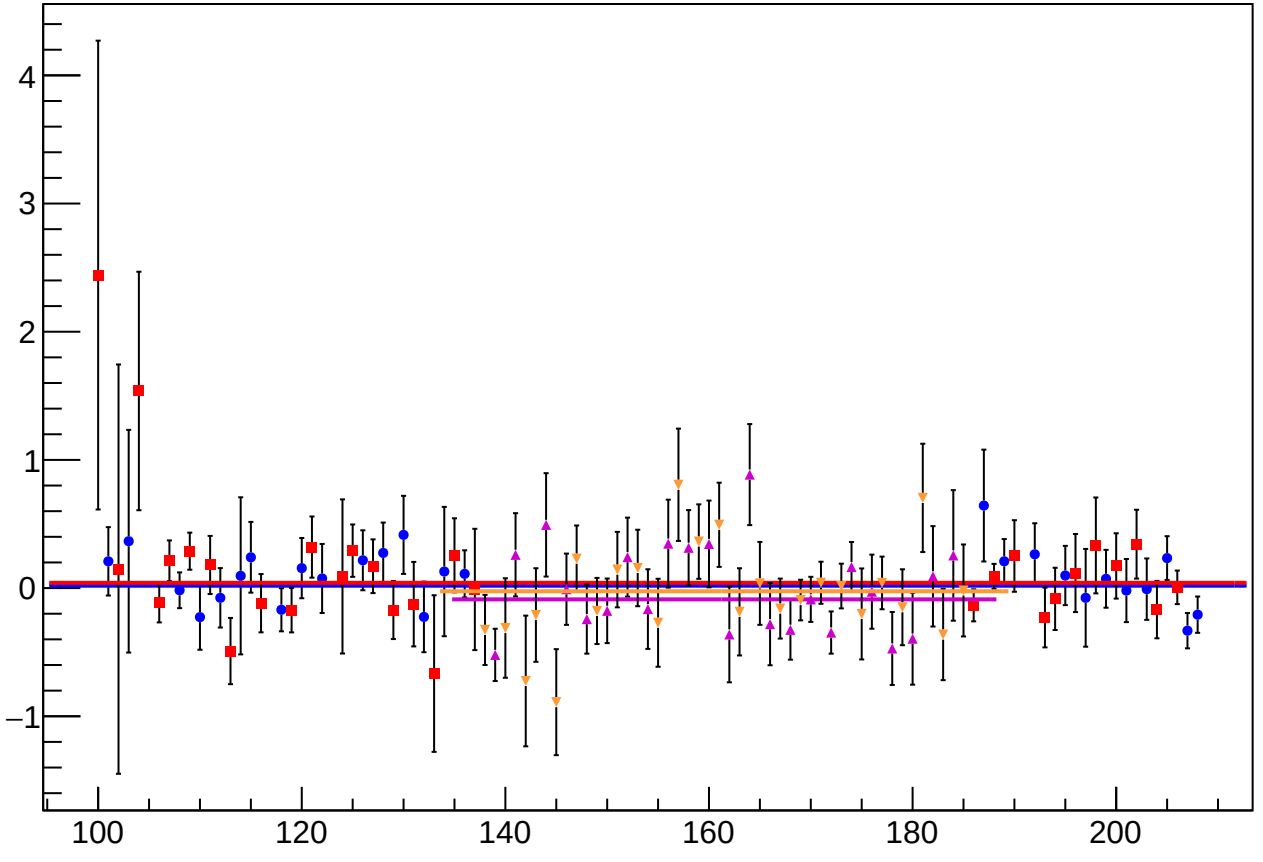
+ sign 0.000+/-0.000 χ^2/NDF: 64.7/51

All: 0.000+/-0.000 χ^2/NDF: 113.2/104

- sign 0.000+/-0.000 χ^2/NDF: 48.5/52


asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6636662.6/26
Left Out: 0.000+/-0.000 χ²/NDF:1611629.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 7589810.3/29
Left In: 0.000+/-0.000 χ²/NDF:2939628.2/22
+ sign 0.000+/-0.000 χ²/NDF: 8965307.5/51
All: 0.000+/-0.000 χ²/NDF: 20914587.9/104
- sign 0.000+/-0.000 χ²/NDF: 11611606.7/52

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.043 χ^2/NDF: 24.0/26

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.041+/-0.038 χ^2/NDF: 30.0/29

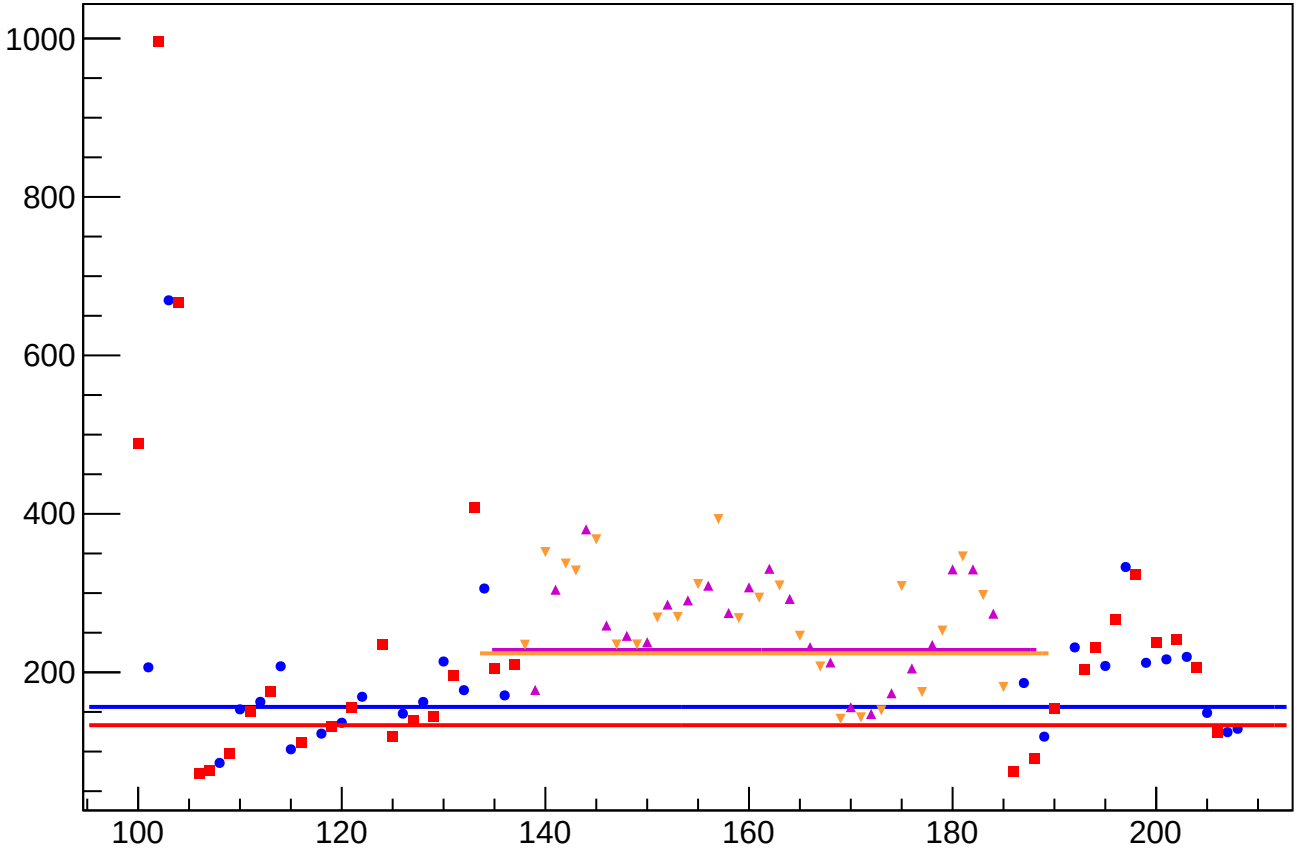
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.002+/-0.034 χ^2/NDF: 48.5/51

All: 0.001+/-0.023 χ^2/NDF: 112.0/104

- sign 0.000+/-0.032 χ^2/NDF: 63.5/52

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 156.337+/-0.030 χ^2/NDF: 3138223.3/26

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 133.248+/-0.027 χ^2/NDF: 5979798.7/29

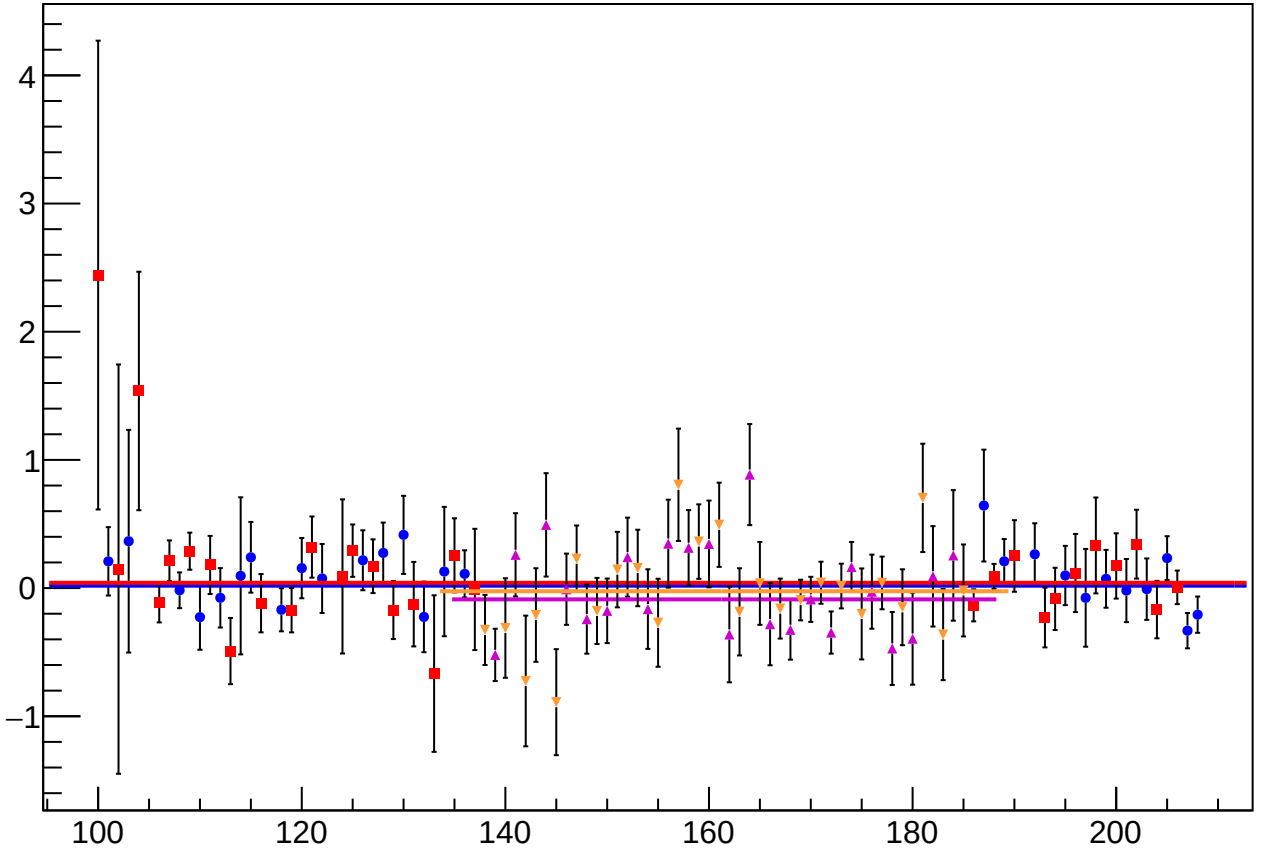
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 181.977+/-0.024 χ^2/NDF: 8480251.7/51

All: 172.048+/-0.016 χ^2/NDF: 21126615.7/10

- sign 163.166+/-0.022 χ^2/NDF: 12315973.3/52

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019+/-0.043 χ^2/NDF: 24.0/26

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

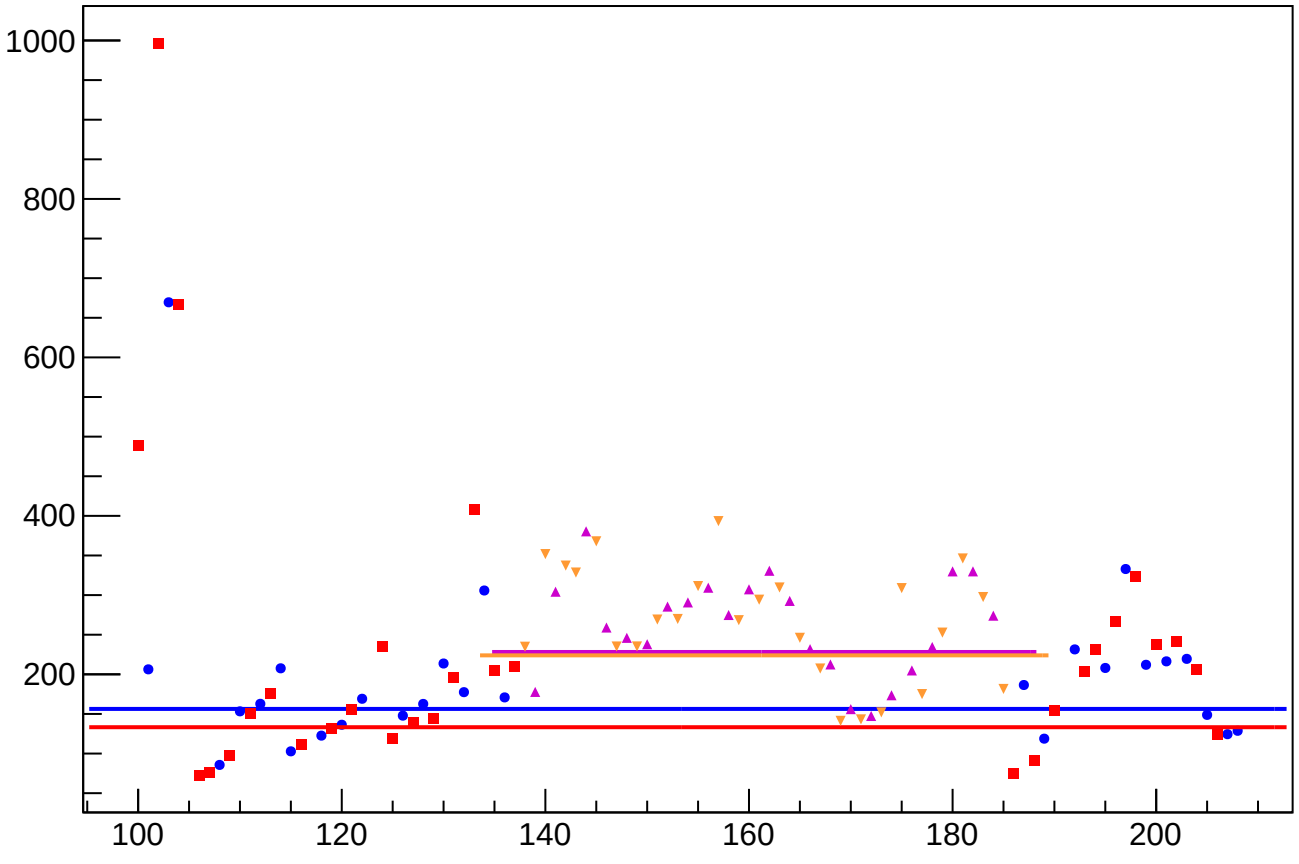
Right Out: 0.041+/-0.038 χ^2/NDF: 30.0/29

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.002+/-0.034 χ^2/NDF: 48.5/51

All: 0.001+/-0.023 χ^2/NDF: 112.0/104

- sign 0.000+/-0.032 χ^2/NDF: 63.5/52



Right In: 156.337+/-0.030 χ^2/NDF: 3138223.3/26

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

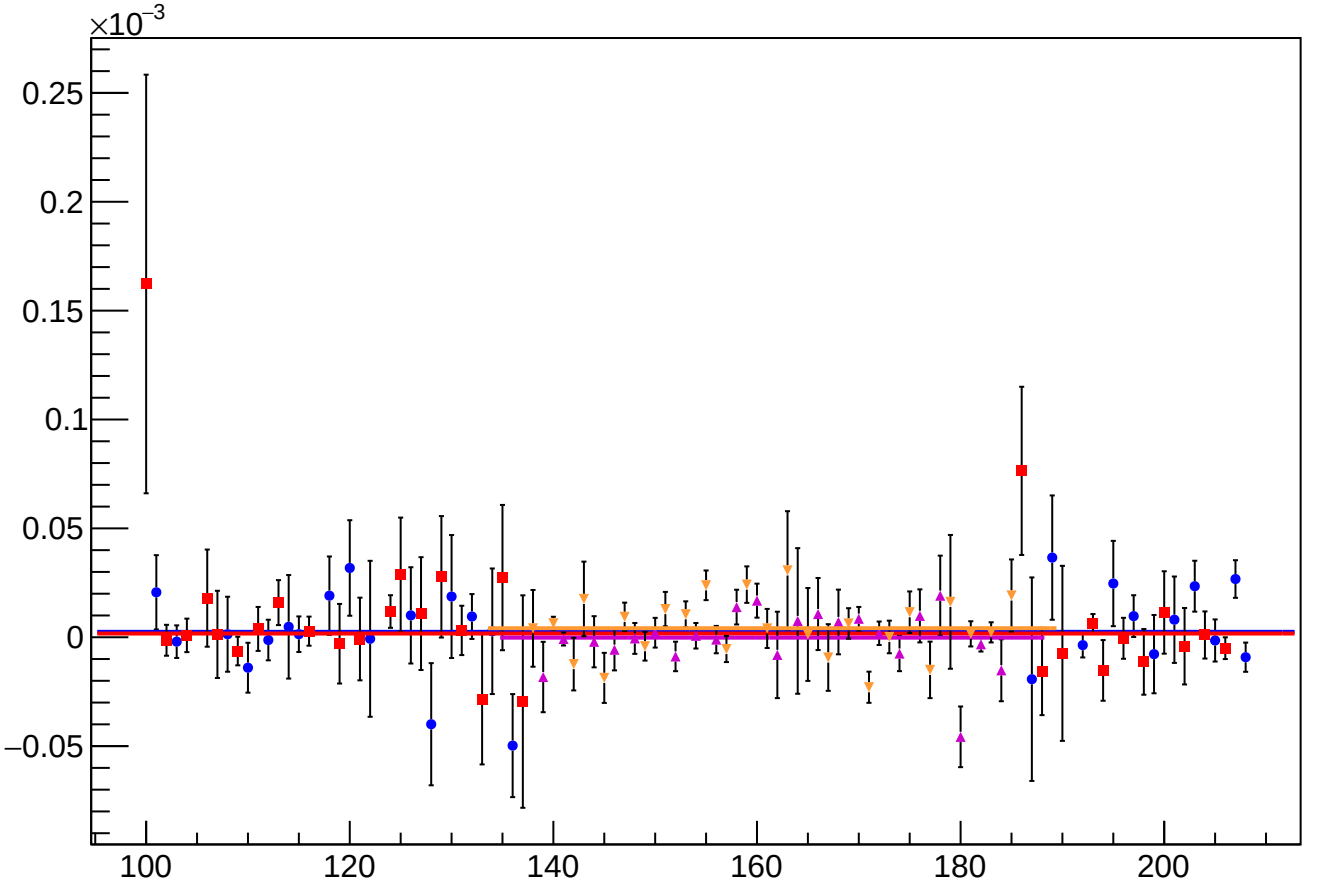
Right Out: 133.248+/-0.027 χ^2/NDF: 5979798.7/29

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 181.977+/-0.024 χ^2/NDF: 8480251.7/51

All: 172.048+/-0.016 χ^2/NDF: 21126615.7/10

- sign 163.166+/-0.022 χ^2/NDF: 12315973.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 33.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

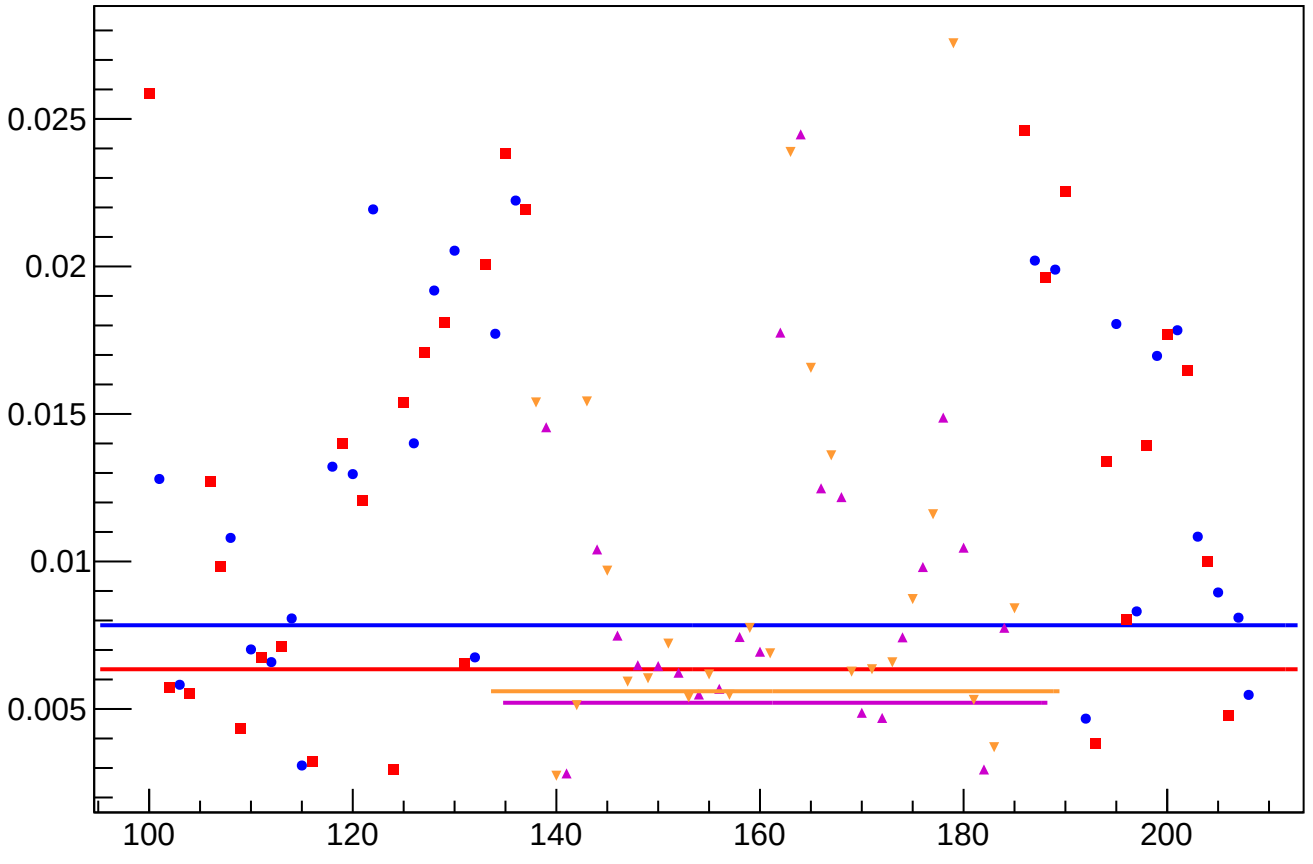
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/29

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.0/51

All: 0.000+/-0.000 χ^2/NDF: 140.3/104

- sign 0.000+/-0.000 χ^2/NDF: 53.7/52



Right In: 0.008+/-0.000 χ^2/NDF: 6681051.4/26

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9231283.0/29

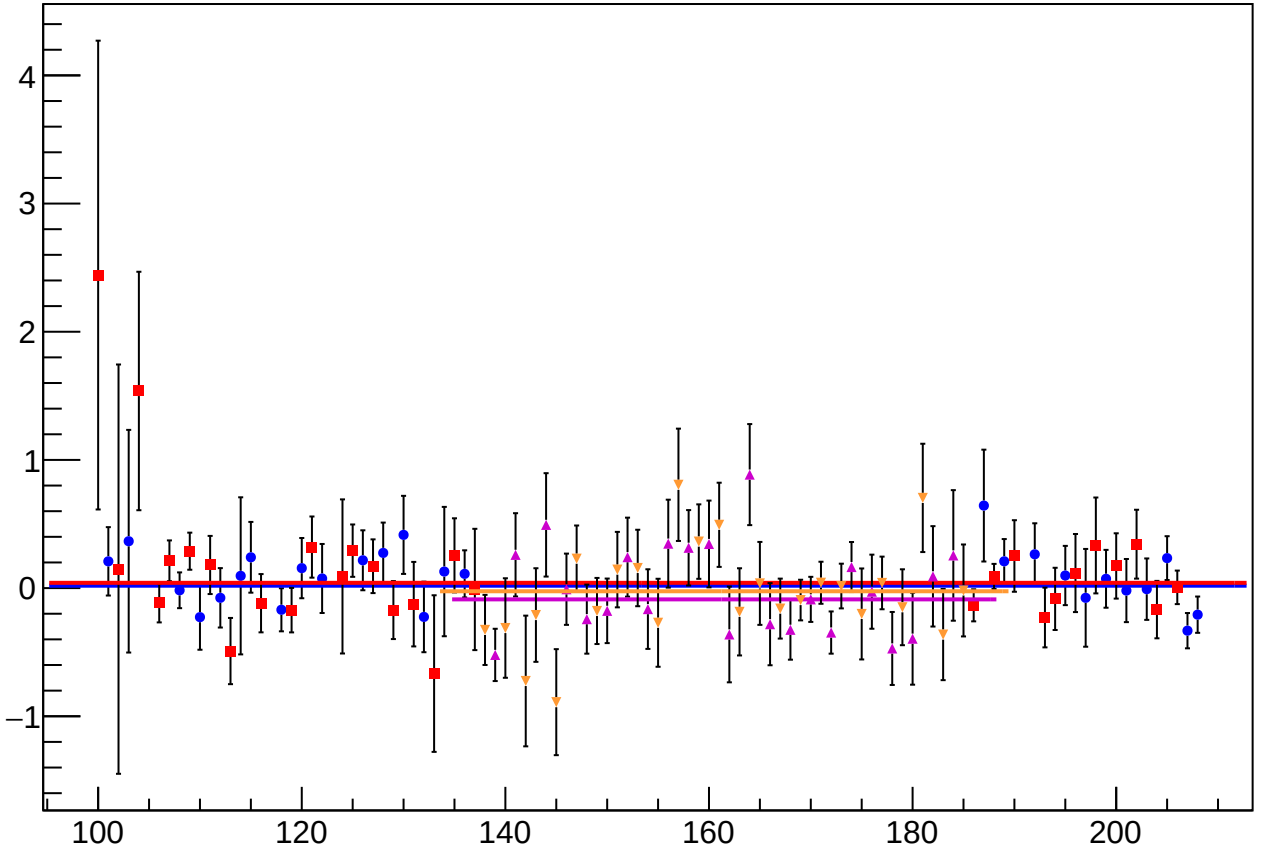
Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

+ sign 0.006+/-0.000 χ^2/NDF: 15794516.7/51

All: 0.006+/-0.000 χ^2/NDF: 33217767.3/104

- sign 0.006+/-0.000 χ^2/NDF: 17145451.1/52

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.043 χ^2/NDF: 24.0/26

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.041+/-0.038 χ^2/NDF: 30.0/29

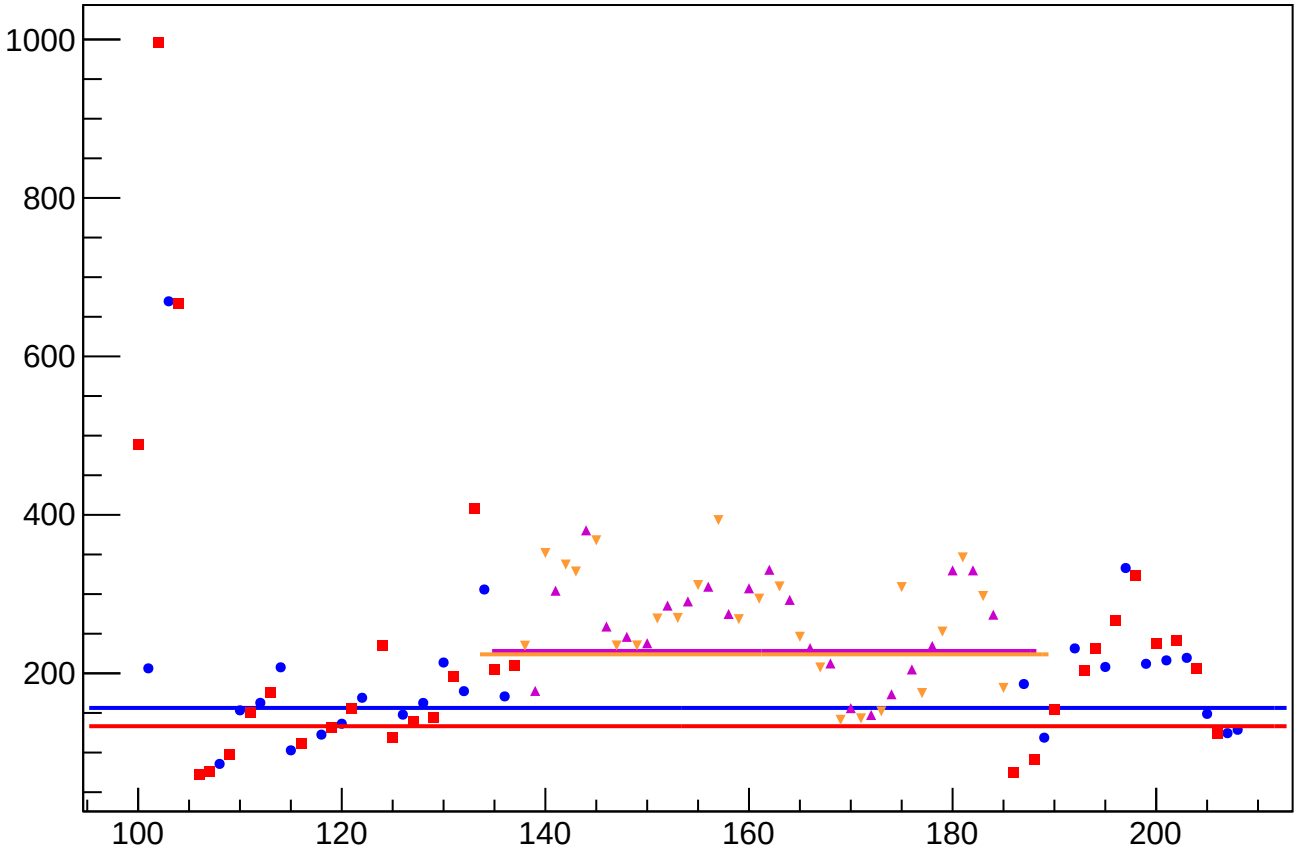
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.002+/-0.034 χ^2/NDF: 48.5/51

All: 0.001+/-0.023 χ^2/NDF: 112.0/104

- sign 0.000+/-0.032 χ^2/NDF: 63.5/52

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 156.334+/-0.030 χ^2/NDF: 3138380.2/26

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

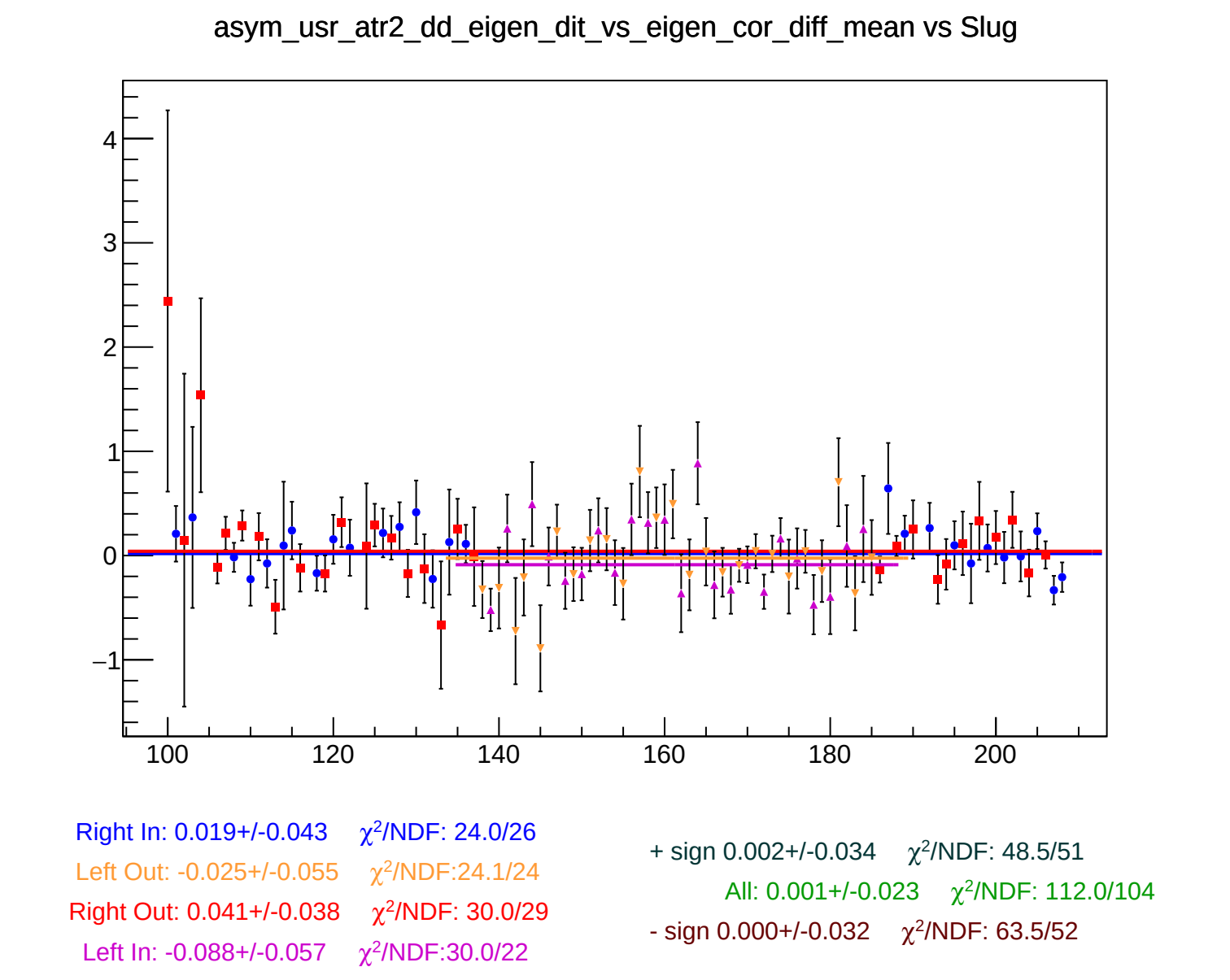
Right Out: 133.253+/-0.027 χ^2/NDF: 5979317.5/29

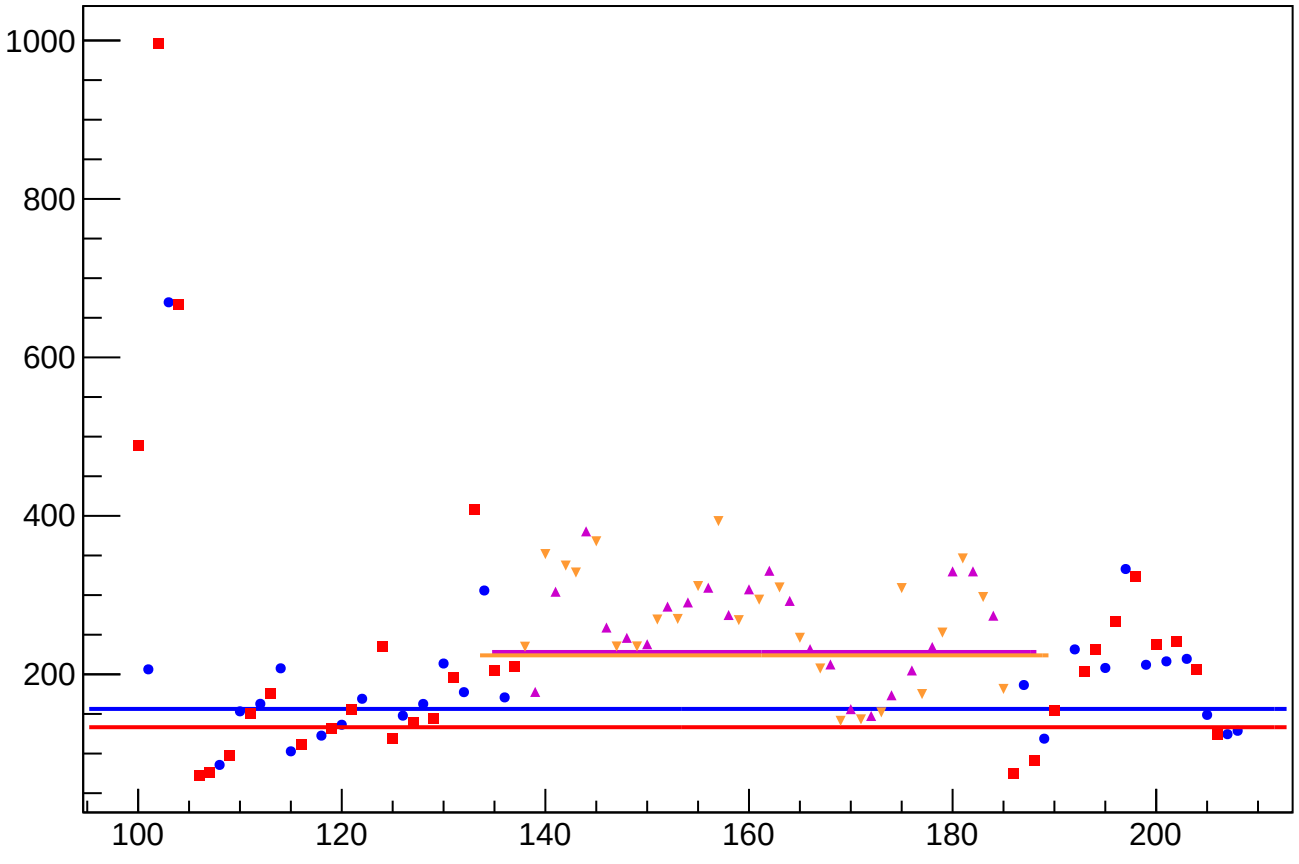
Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

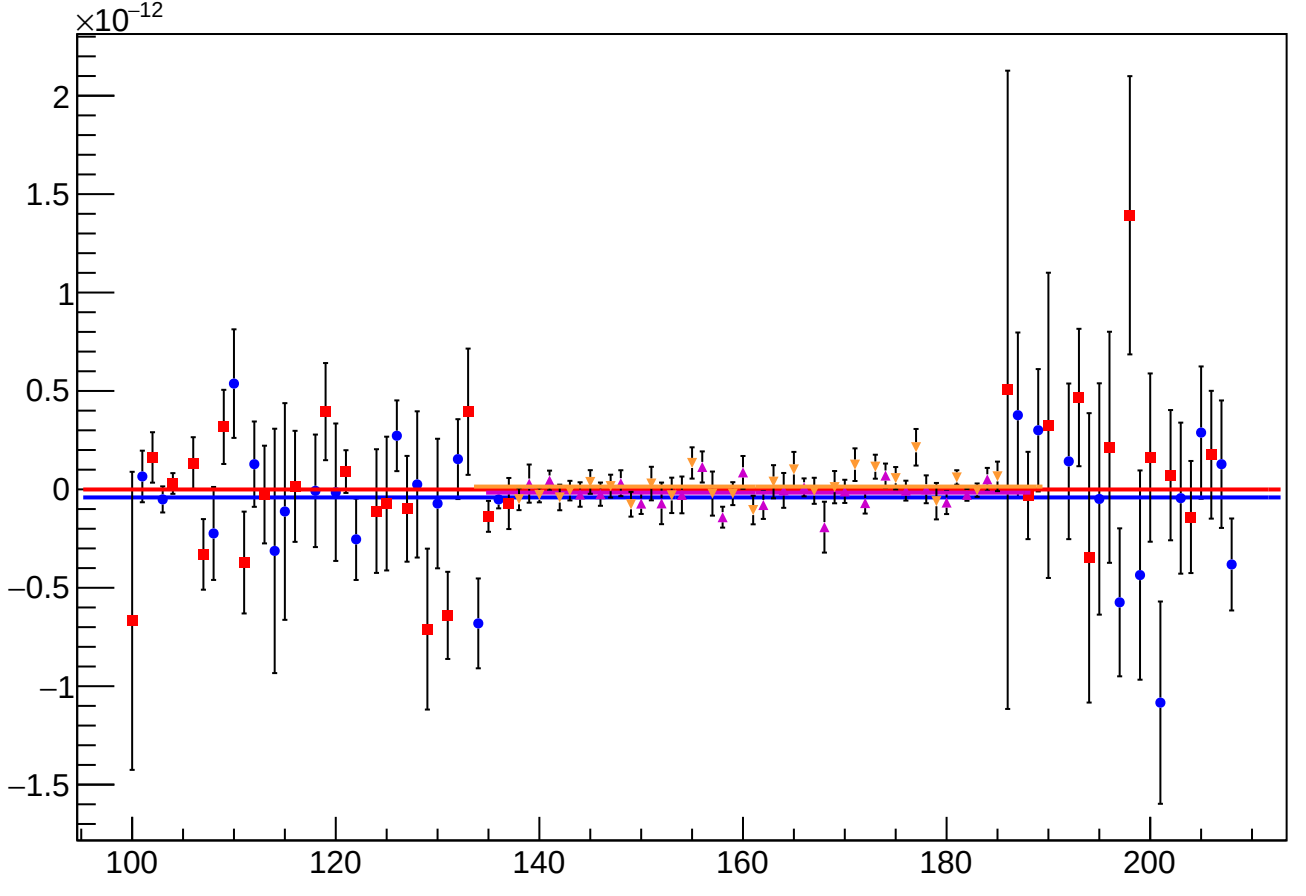
+ sign 181.975+/-0.024 χ^2/NDF: 8480713.8/51

All: 172.050+/-0.016 χ^2/NDF: 21126105.6/10

- sign 163.170+/-0.022 χ^2/NDF: 12315206.7/52


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.019+/-0.043 χ²/NDF: 24.0/26
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.041+/-0.038 χ²/NDF: 30.0/29
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.002+/-0.034 χ²/NDF: 48.5/51
All: 0.001+/-0.023 χ²/NDF: 112.0/104
- sign 0.000+/-0.032 χ²/NDF: 63.5/52


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1000
800
600
400
200
100
120
140
160
180
200
Right In: 156.334+/-0.030 χ²/NDF: 3138380.2/26
Left Out: 223.946+/-0.039 χ²/NDF:3438541.7/24
Right Out: 133.253+/-0.027 χ²/NDF: 5979317.5/29
Left In: 228.201+/-0.040 χ²/NDF:2488951.6/22
+ sign 181.975+/-0.024 χ²/NDF: 8480713.8/51
All: 172.050+/-0.016 χ²/NDF: 21126105.6/10
- sign 163.170+/-0.022 χ²/NDF: 12315206.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

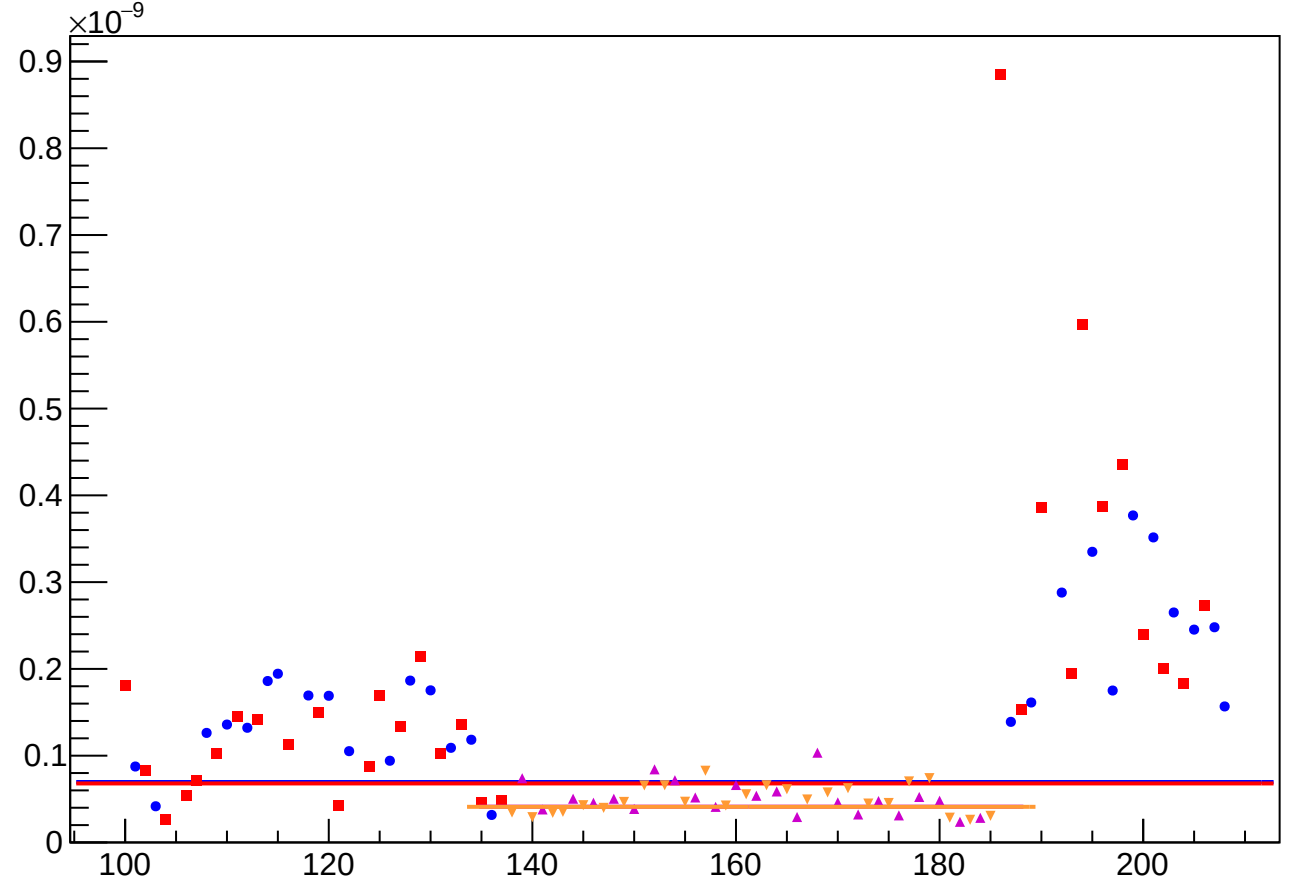
Right Out: -0.000+/-0.000 χ^2/NDF: 38.9/29

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.0/51

All: -0.000+/-0.000 χ^2/NDF: 122.7/104

- sign -0.000+/-0.000 χ^2/NDF: 60.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 8062074.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8356540.5/29

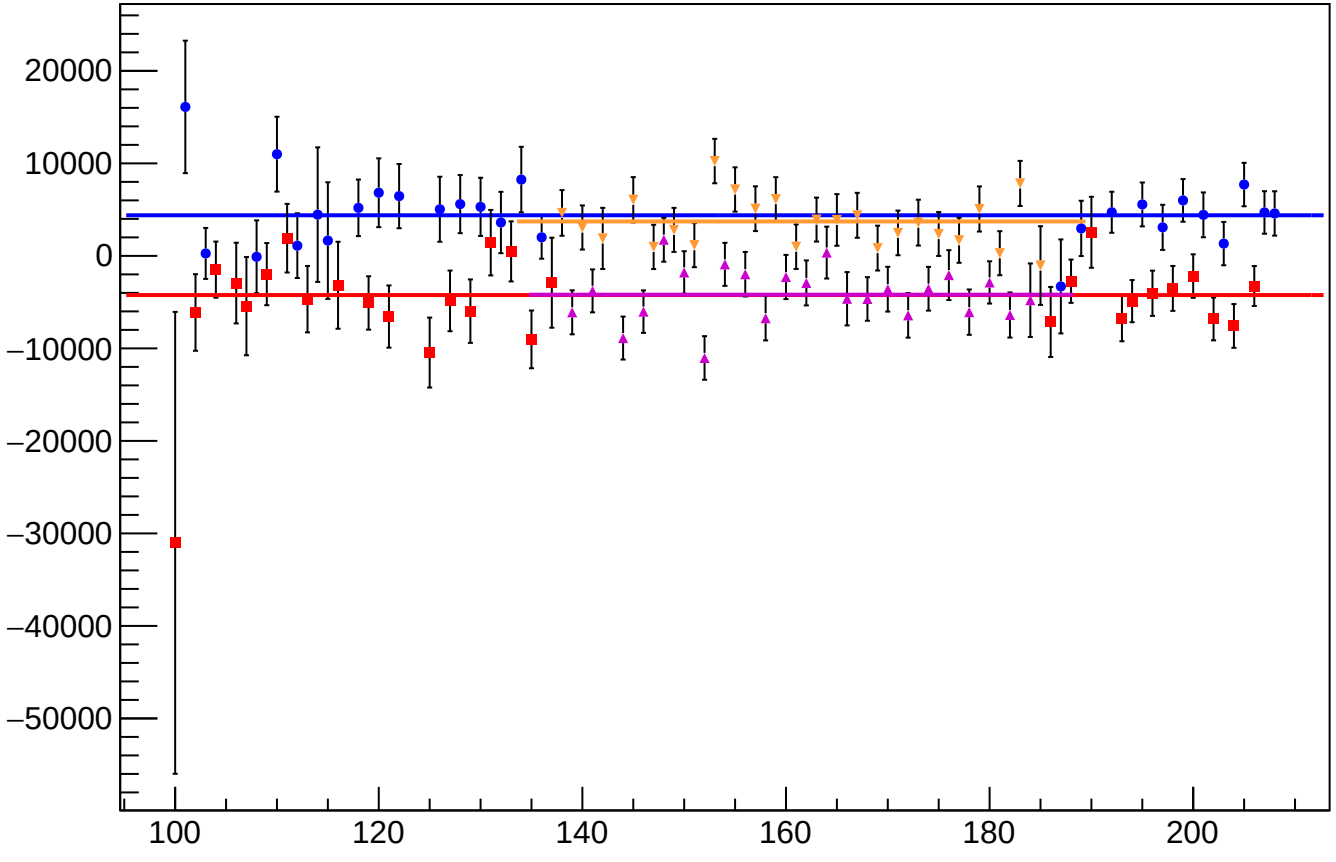
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12197103.6/51

All: 0.000+/-0.000 χ^2/NDF: 24703084.9/104

- sign 0.000+/-0.000 χ^2/NDF: 12505947.1/52

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4389.290+/-568.807 χ^2/NDF: 20.7/26

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -4235.575+/-568.713 χ^2/NDF: 25.8/28

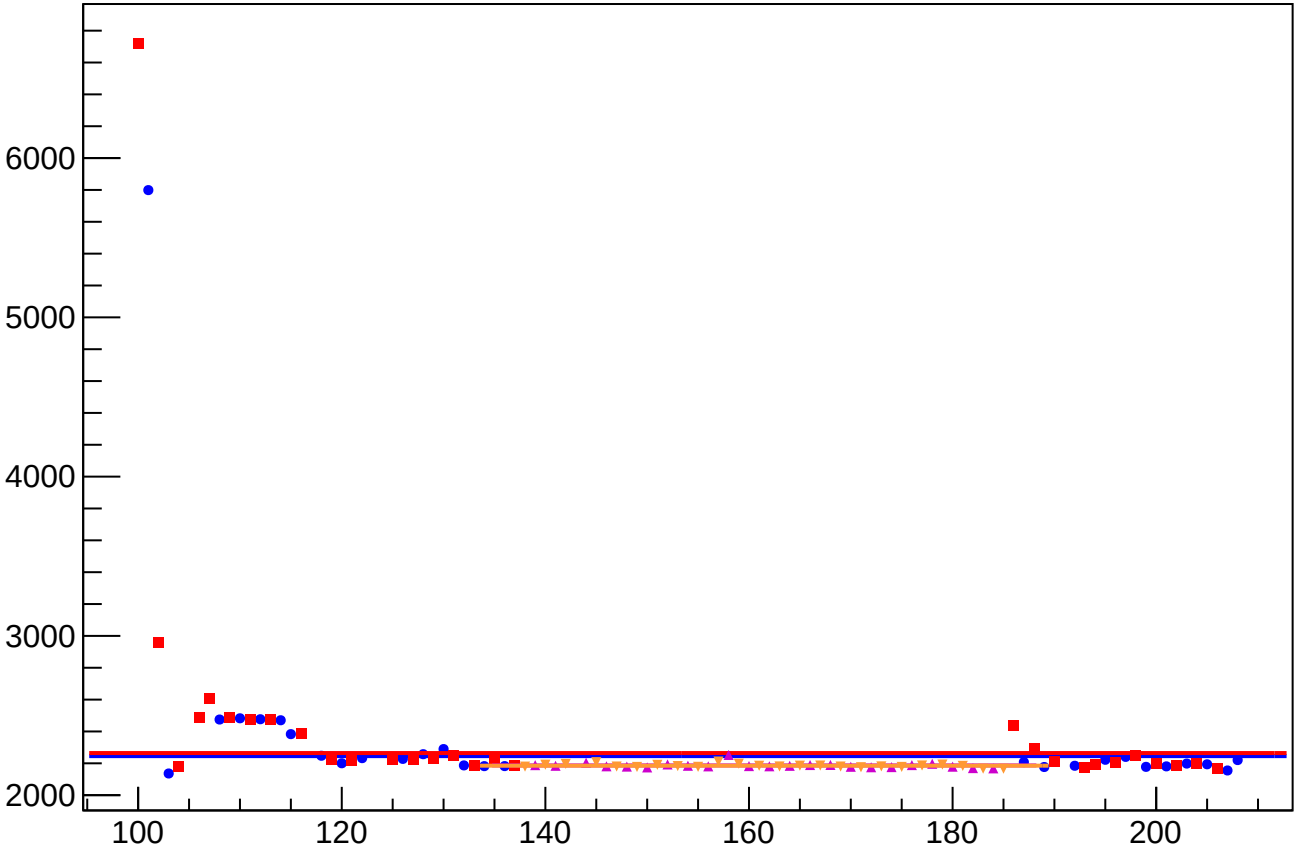
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 4018.363+/-378.540 χ^2/NDF: 46.9/50

All: -82.557+/-268.158 χ^2/NDF: 340.4/102

- sign -4213.630+/-379.929 χ^2/NDF: 57.9/51

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2245.163+/-0.402 χ^2/NDF: 535529.8/26

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

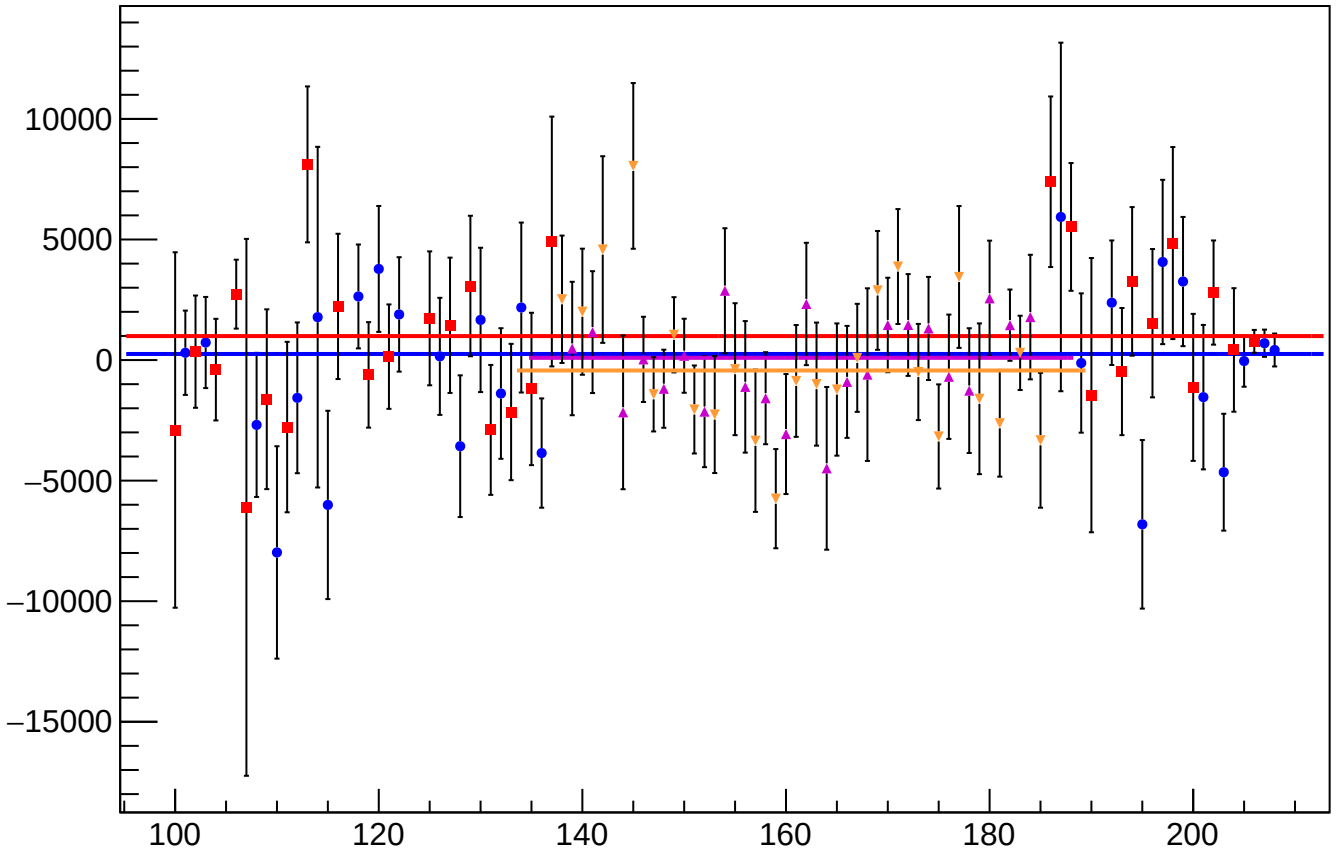
Right Out: 2264.487+/-0.402 χ^2/NDF: 182497.0/28

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2211.719+/-0.268 χ^2/NDF: 548755.1/50

All: 2216.562+/-0.190 χ^2/NDF: 754666.7/102

- sign 2221.441+/-0.269 χ^2/NDF: 205254.4/51



Right In: 252.448+/-326.836 χ^2/NDF: 30.0/26

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

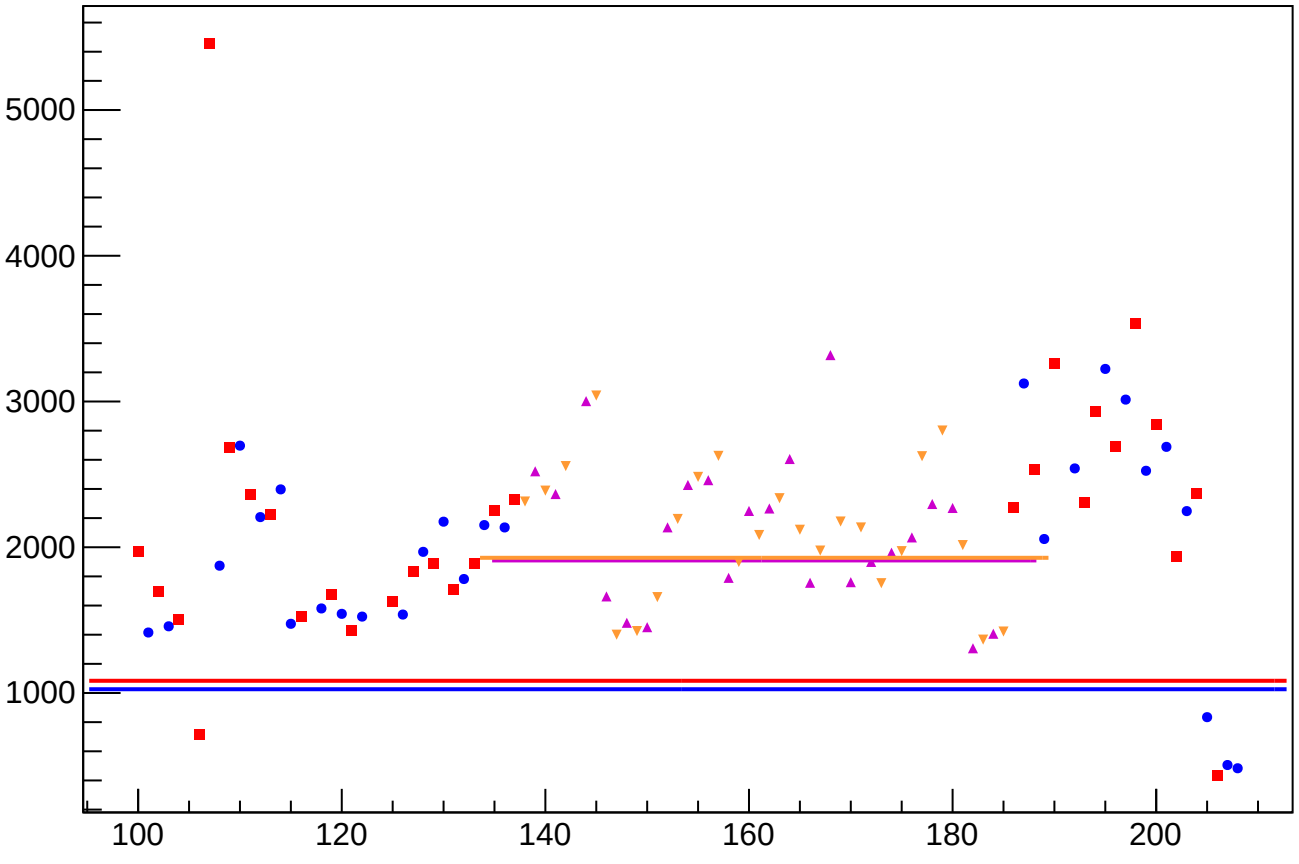
Right Out: 994.343+/-351.998 χ^2/NDF: 24.7/28

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign 24.313+/-266.893 χ^2/NDF: 62.7/50

All: 328.208+/-193.088 χ^2/NDF: 105.3/102

- sign 661.954+/-279.694 χ^2/NDF: 39.8/51



Right In: 1025.846+/-0.231 χ^2/NDF: 10131253.9/26

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1083.832+/-0.249 χ^2/NDF: 11676056.4/28

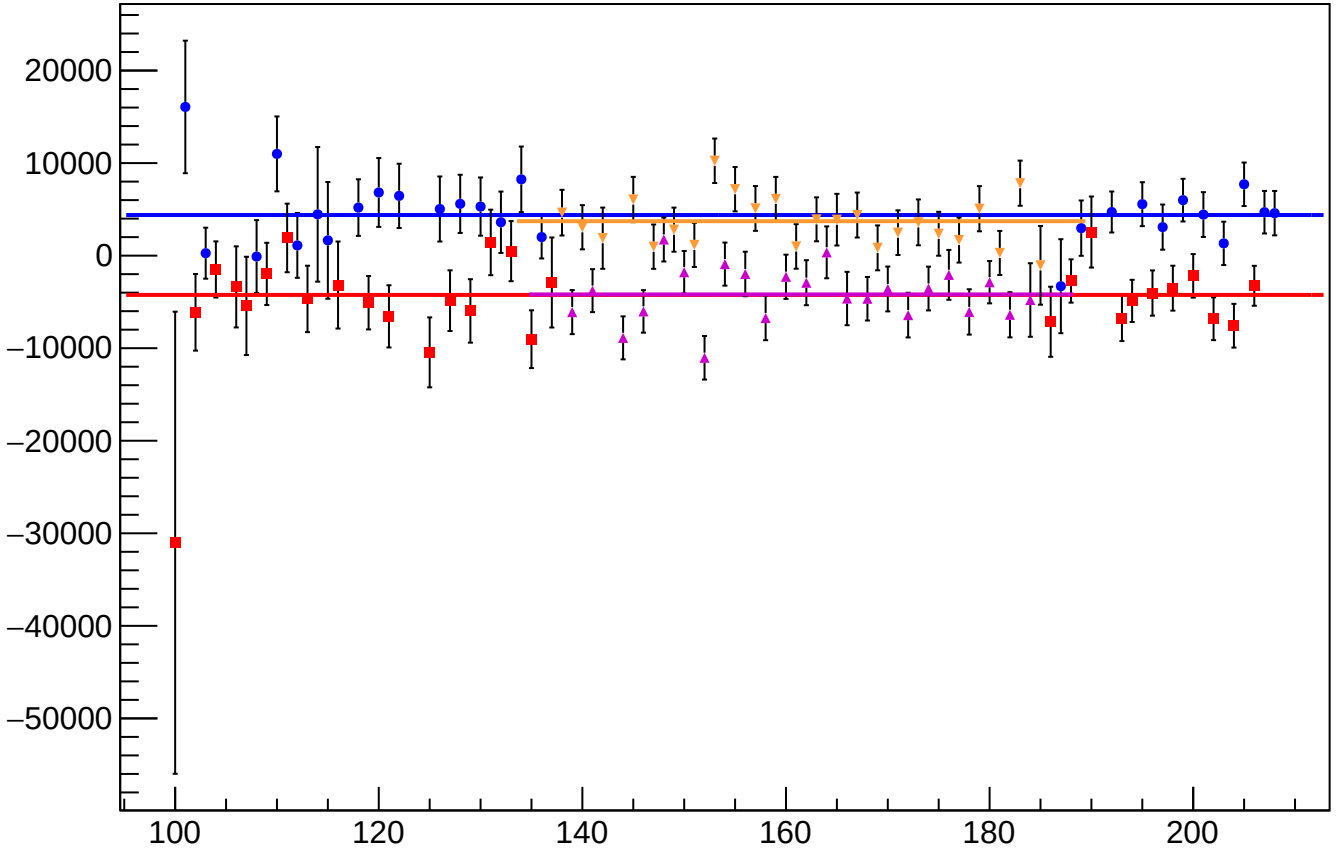
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1326.305+/-0.189 χ^2/NDF: 17002745.3/50

All: 1355.821+/-0.137 χ^2/NDF: 34729975.2/1

- sign 1388.237+/-0.198 χ^2/NDF: 17675904.3/51

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4389.062+/-568.807 χ^2/NDF: 20.6/26

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4243.325+/-568.755 χ^2/NDF: 25.7/28

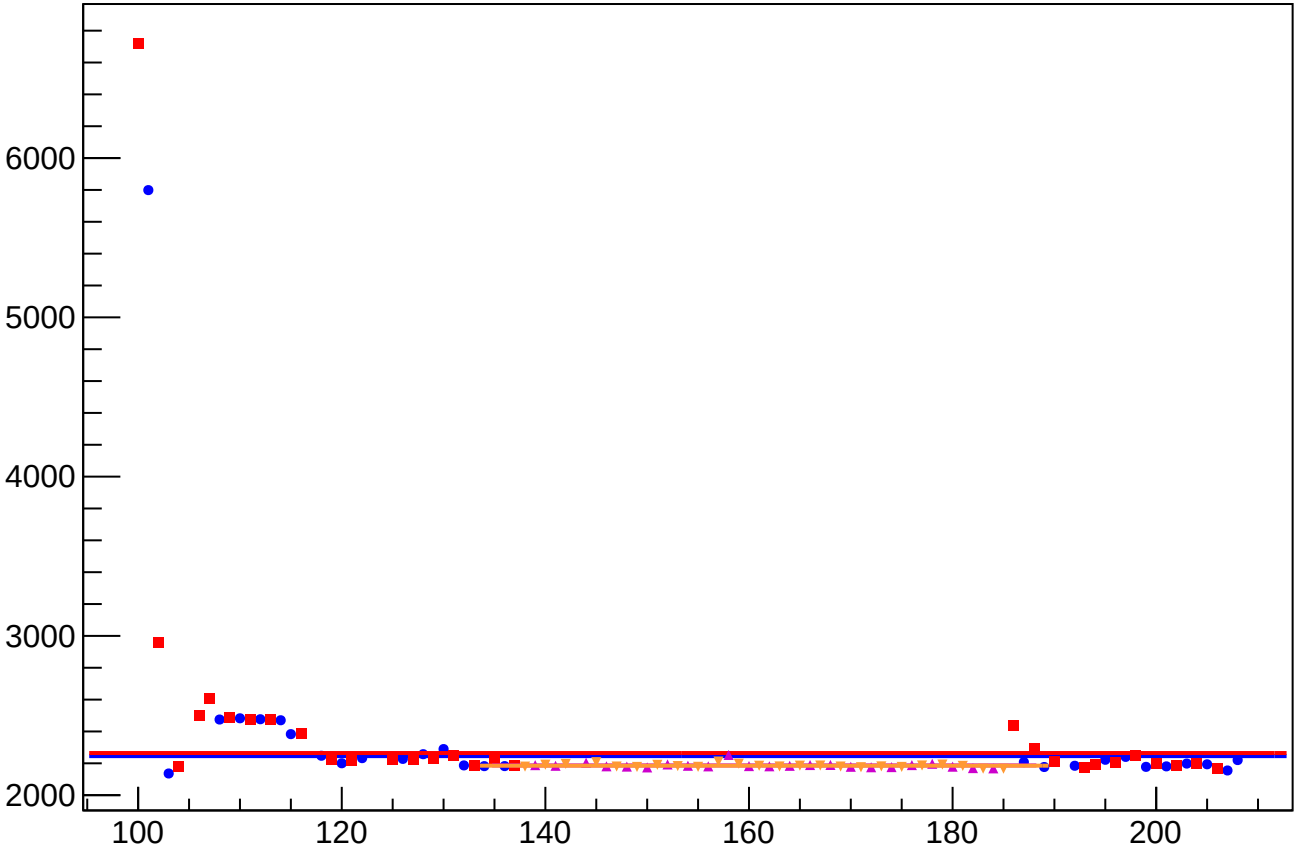
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 4018.232+/-378.540 χ^2/NDF: 46.9/50

All: -84.242+/-268.162 χ^2/NDF: 340.5/102

- sign -4217.152+/-379.942 χ^2/NDF: 57.9/51

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2245.163+/-0.402 χ^2/NDF: 535530.2/26

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

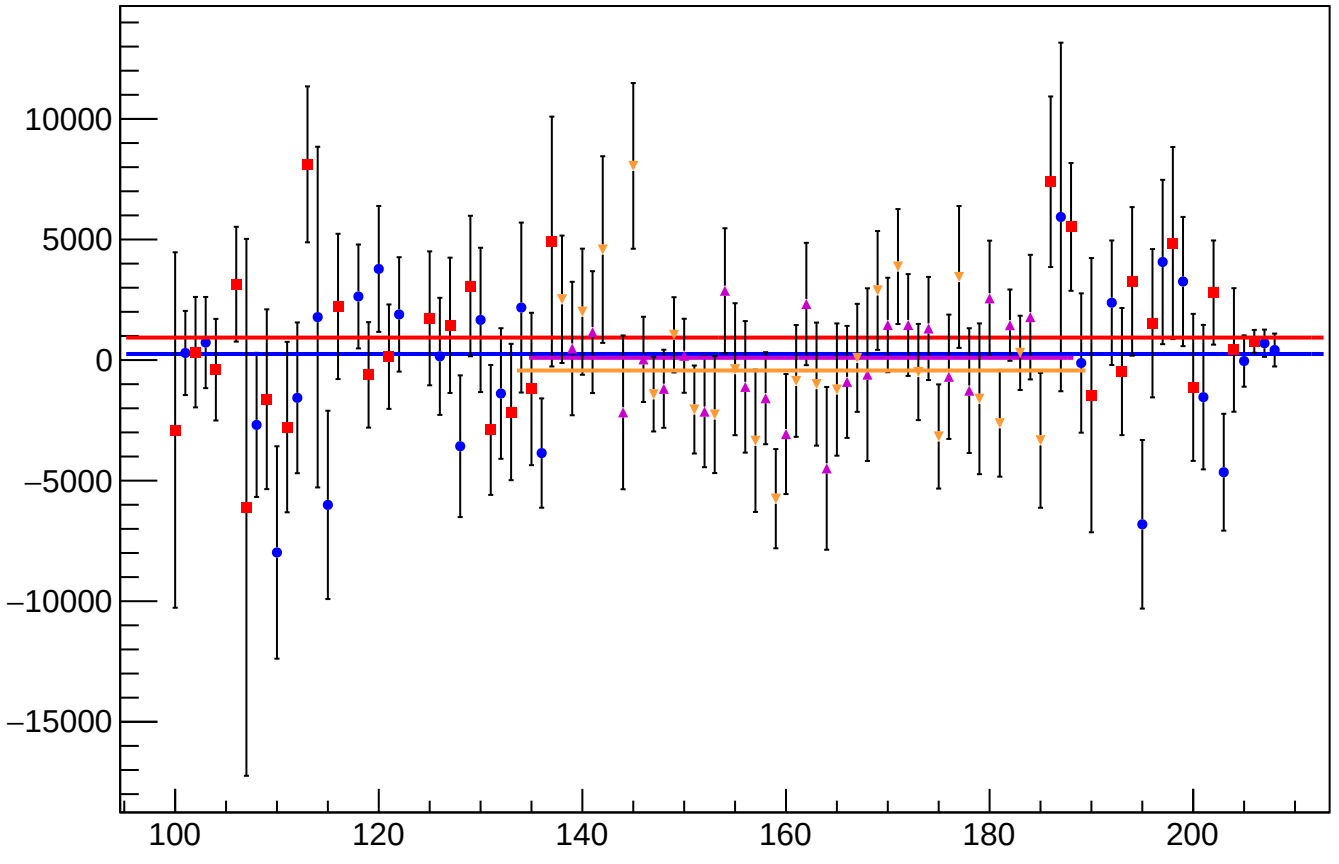
Right Out: 2264.635+/-0.402 χ^2/NDF: 182967.2/28

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2211.719+/-0.268 χ^2/NDF: 548755.5/50

All: 2216.594+/-0.190 χ^2/NDF: 755222.8/102

- sign 2221.504+/-0.269 χ^2/NDF: 205801.7/51



Right In: 252.277+/-326.814 χ^2/NDF: 30.0/26

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

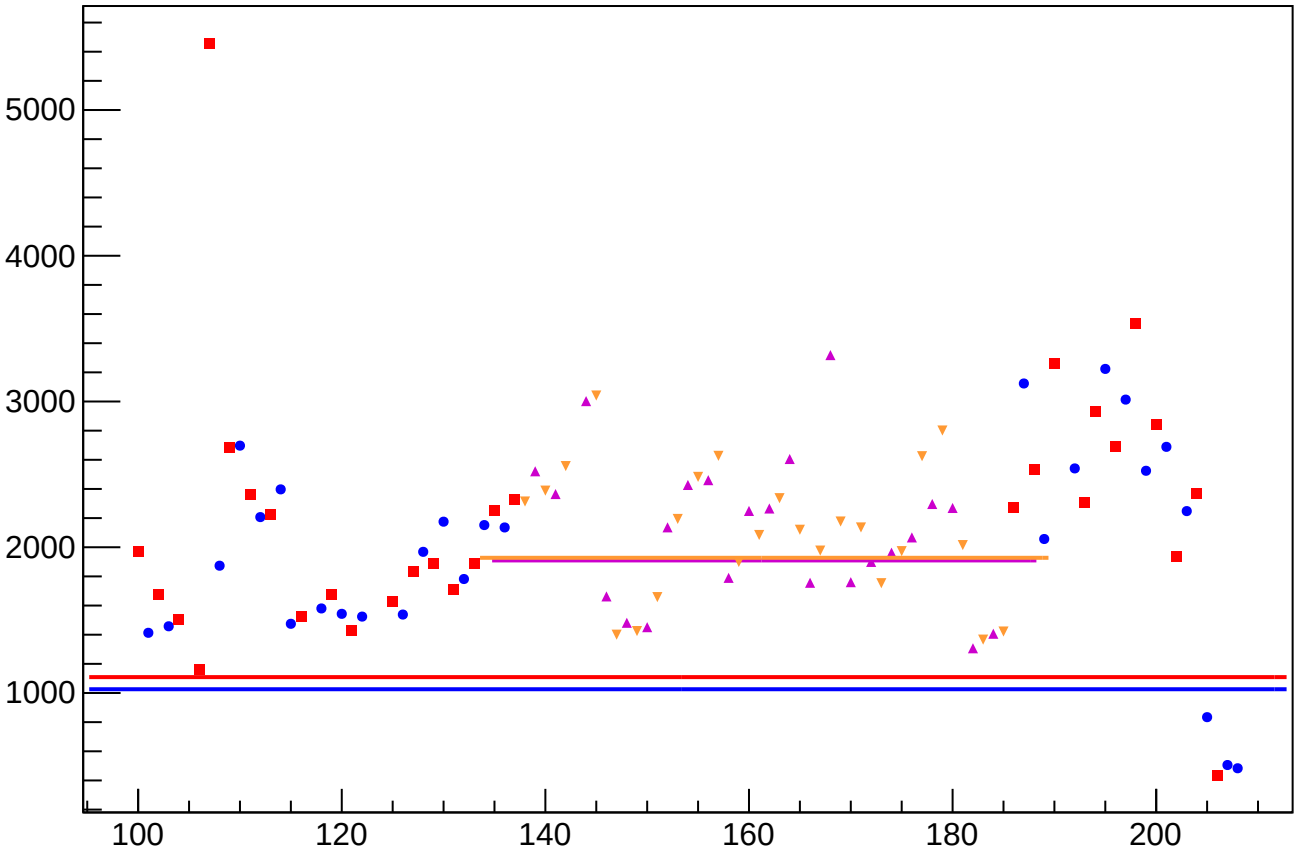
Right Out: 932.437+/-358.882 χ^2/NDF: 24.0/28

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign 24.208+/-266.881 χ^2/NDF: 62.7/50

All: 302.299+/-194.197 χ^2/NDF: 103.9/102

- sign 615.242+/-283.111 χ^2/NDF: 38.8/51



Right In: 1025.789+/-0.231 χ^2/NDF: 10130995.2/26

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

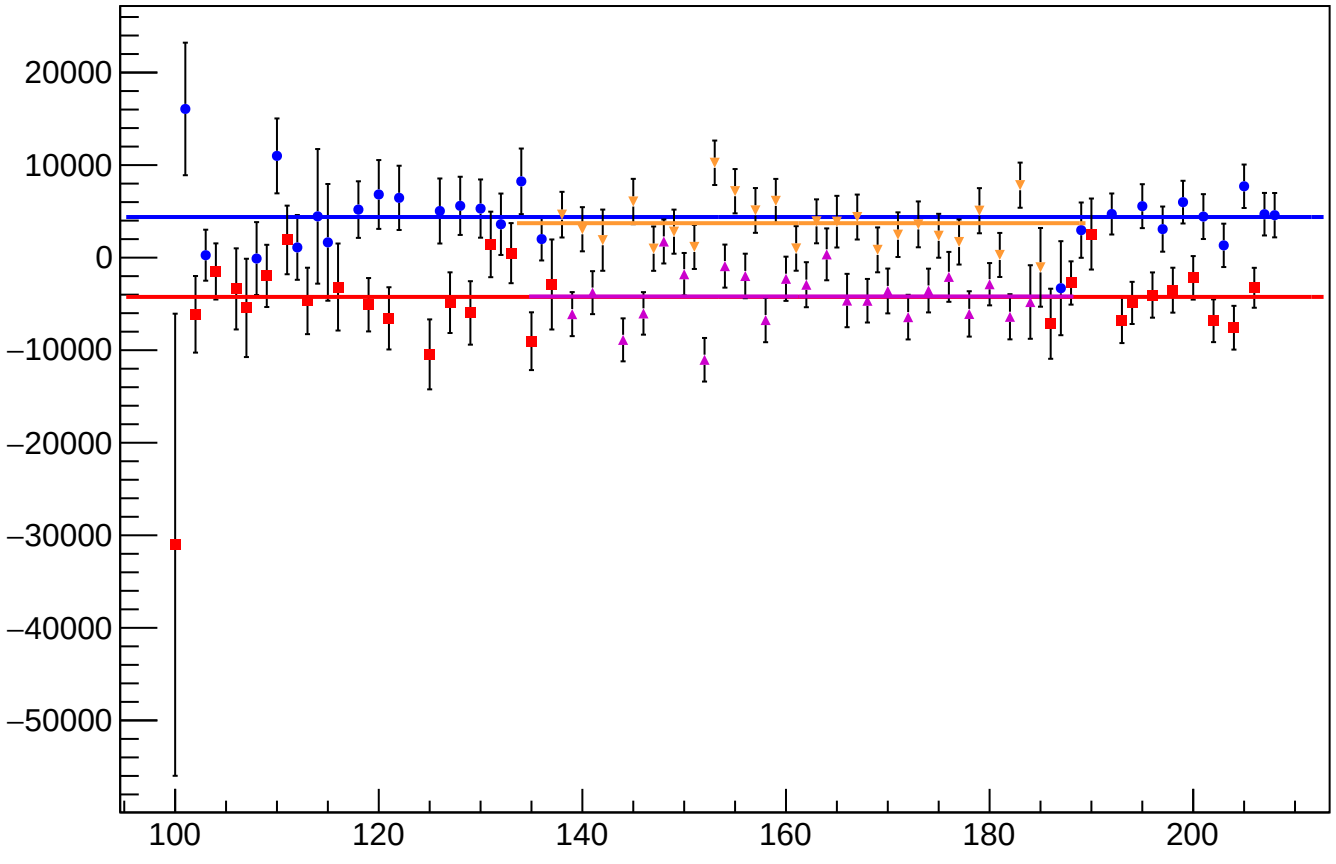
Right Out: 1108.995+/-0.254 χ^2/NDF: 11531587.8/28

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1326.240+/-0.189 χ^2/NDF: 17003363.4/50

All: 1366.300+/-0.137 χ^2/NDF: 34332372.3/1

- sign 1411.380+/-0.200 χ^2/NDF: 17233237.8/51



Right In: 4389.062+/-568.807 χ^2/NDF: 20.6/26

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4243.325+/-568.755 χ^2/NDF: 25.7/28

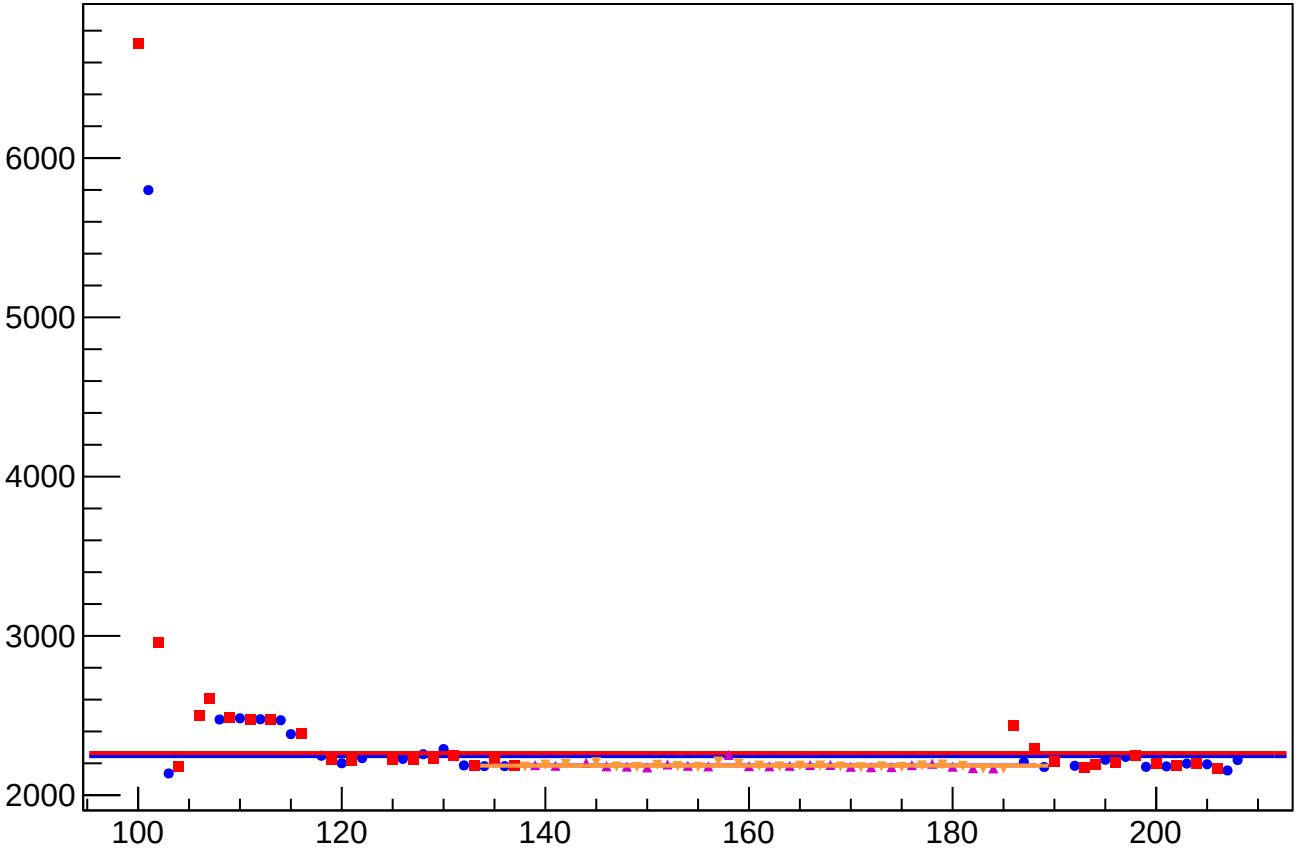
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 4018.232+/-378.540 χ^2/NDF: 46.9/50

All: -84.242+/-268.162 χ^2/NDF: 340.5/102

- sign -4217.152+/-379.942 χ^2/NDF: 57.9/51

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2245.163+/-0.402 χ^2/NDF: 535530.2/26

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

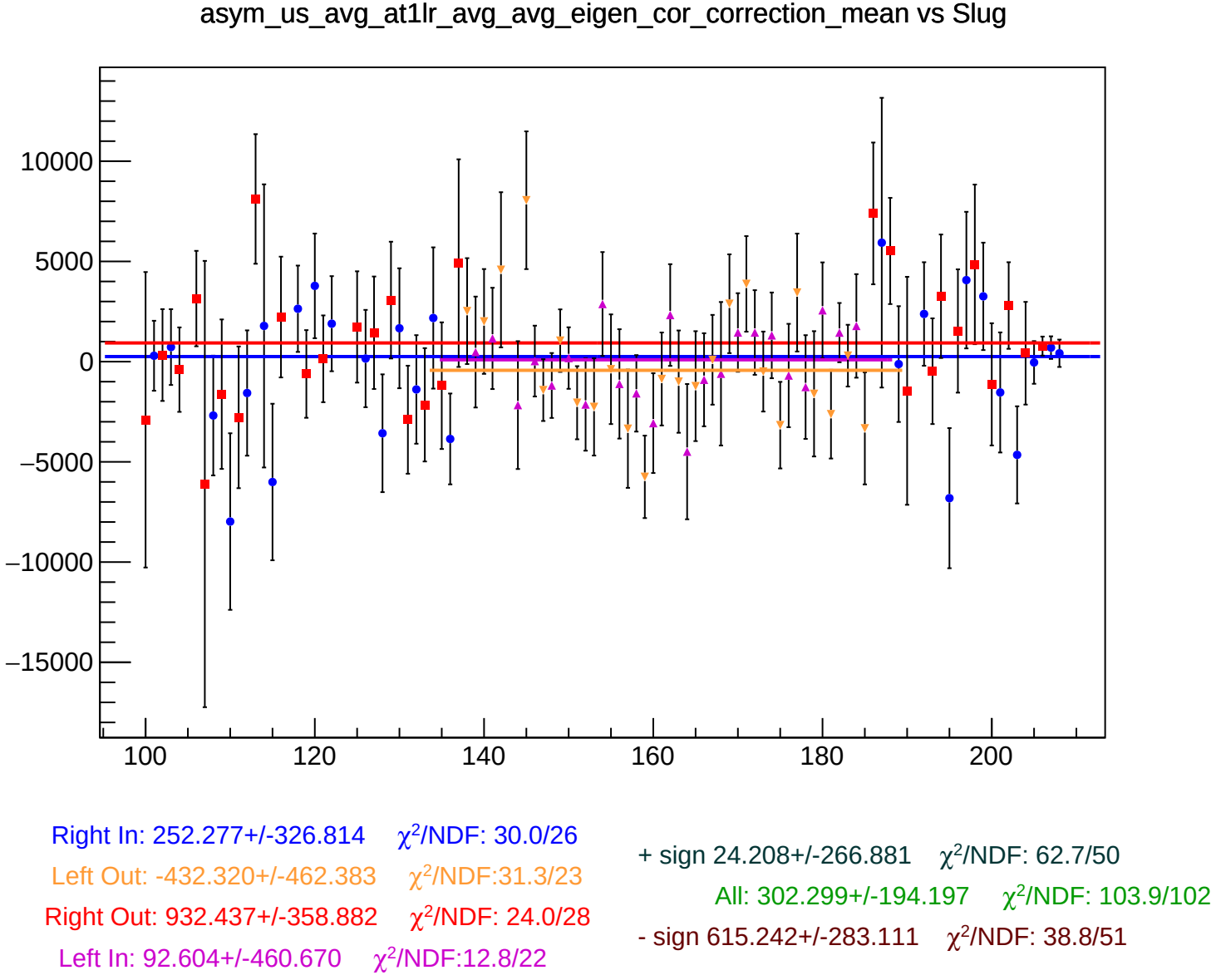
Right Out: 2264.635+/-0.402 χ^2/NDF: 182967.2/28

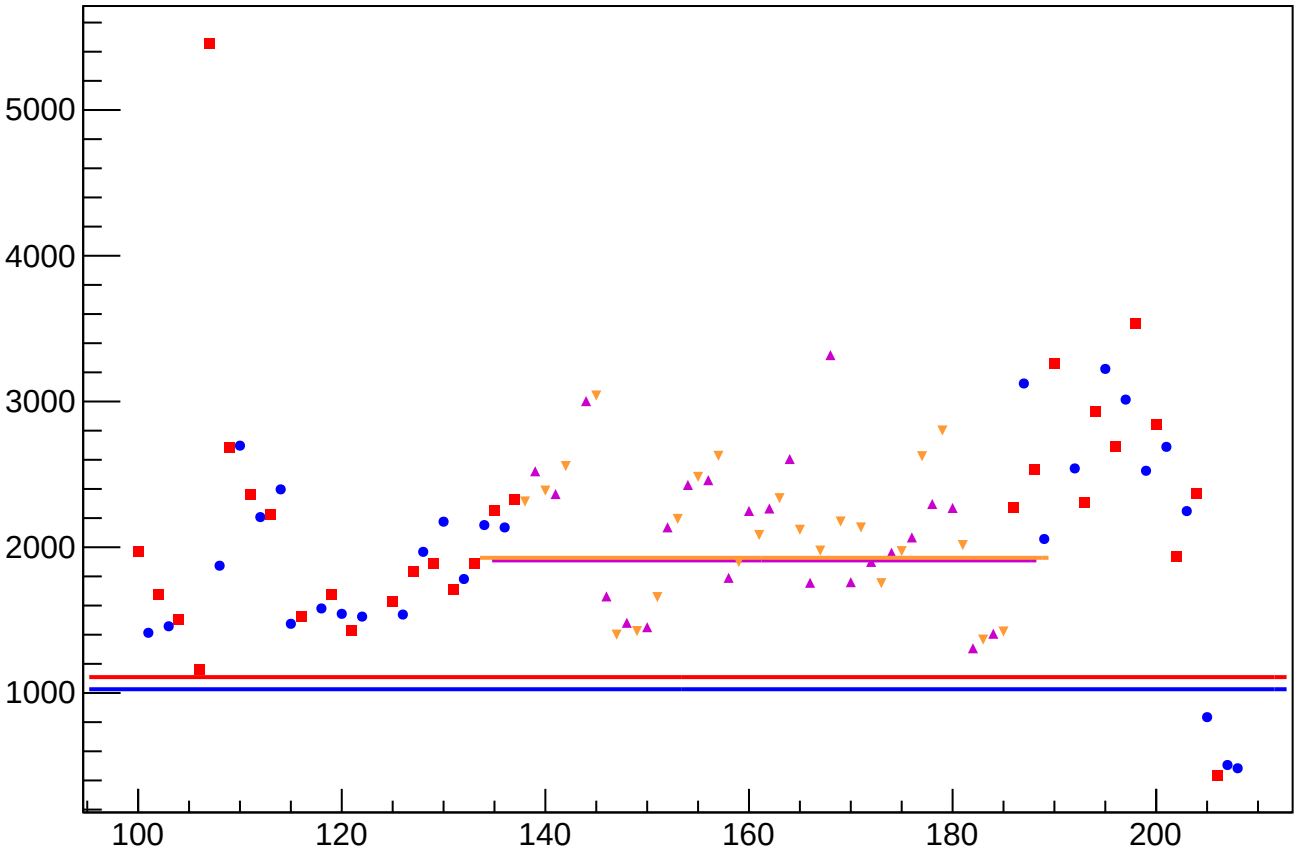
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2211.719+/-0.268 χ^2/NDF: 548755.5/50

All: 2216.594+/-0.190 χ^2/NDF: 755222.8/102

- sign 2221.504+/-0.269 χ^2/NDF: 205801.7/51


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 252.277+/-326.814 χ²/NDF: 30.0/26
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: 932.437+/-358.882 χ²/NDF: 24.0/28
Left In: 92.604+/-460.670 χ²/NDF:12.8/22
+ sign 24.208+/-266.881 χ²/NDF: 62.7/50
All: 302.299+/-194.197 χ²/NDF: 103.9/102
- sign 615.242+/-283.111 χ²/NDF: 38.8/51



Right In: 1025.789+/-0.231 χ^2/NDF: 10130995.2/26

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

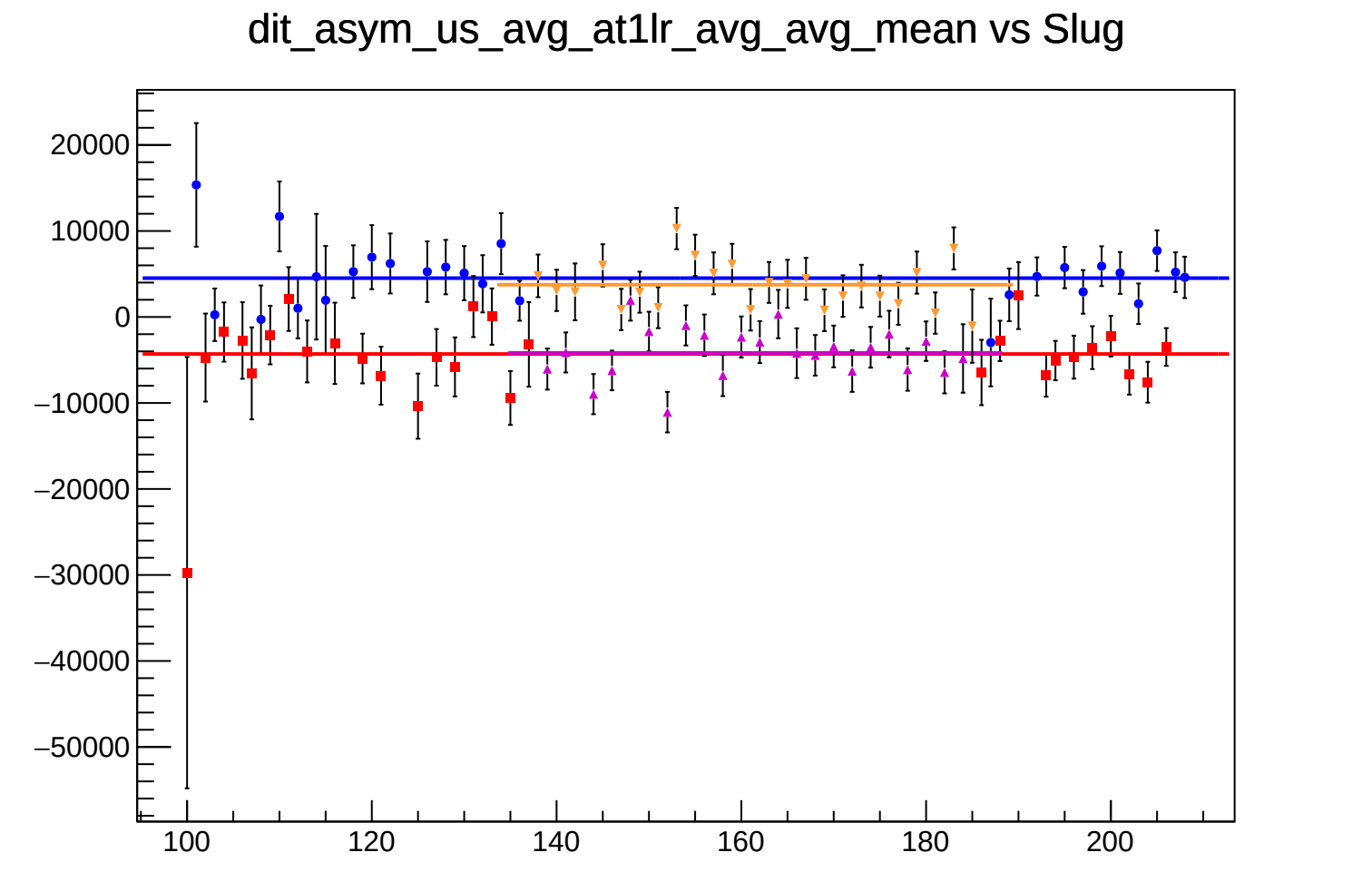
Right Out: 1108.995+/-0.254 χ^2/NDF: 11531587.8/28

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1326.240+/-0.189 χ^2/NDF: 17003363.4/50

All: 1366.300+/-0.137 χ^2/NDF: 34332372.3/1

- sign 1411.380+/-0.200 χ^2/NDF: 17233237.8/51



Right In: 4517.292+/-574.816 χ^2/NDF: 20.7/26

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -4304.223+/-577.505 χ^2/NDF: 24.5/28

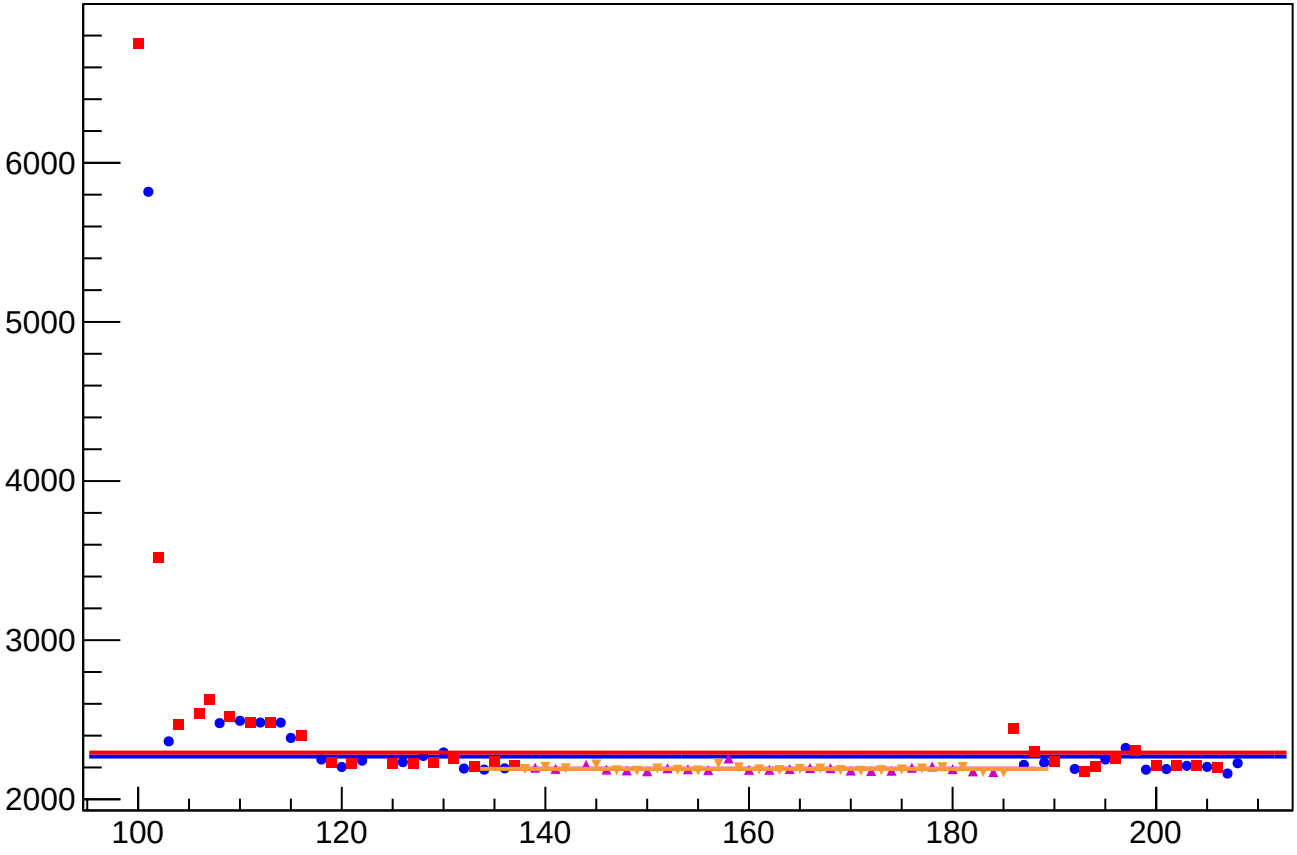
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4089.183+/-380.890 χ^2/NDF: 47.4/50

All: -50.307+/-270.093 χ^2/NDF: 342.1/102

- sign -4237.013+/-383.057 χ^2/NDF: 57.2/51

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2268.493+/-0.406 χ^2/NDF: 533218.3/26

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

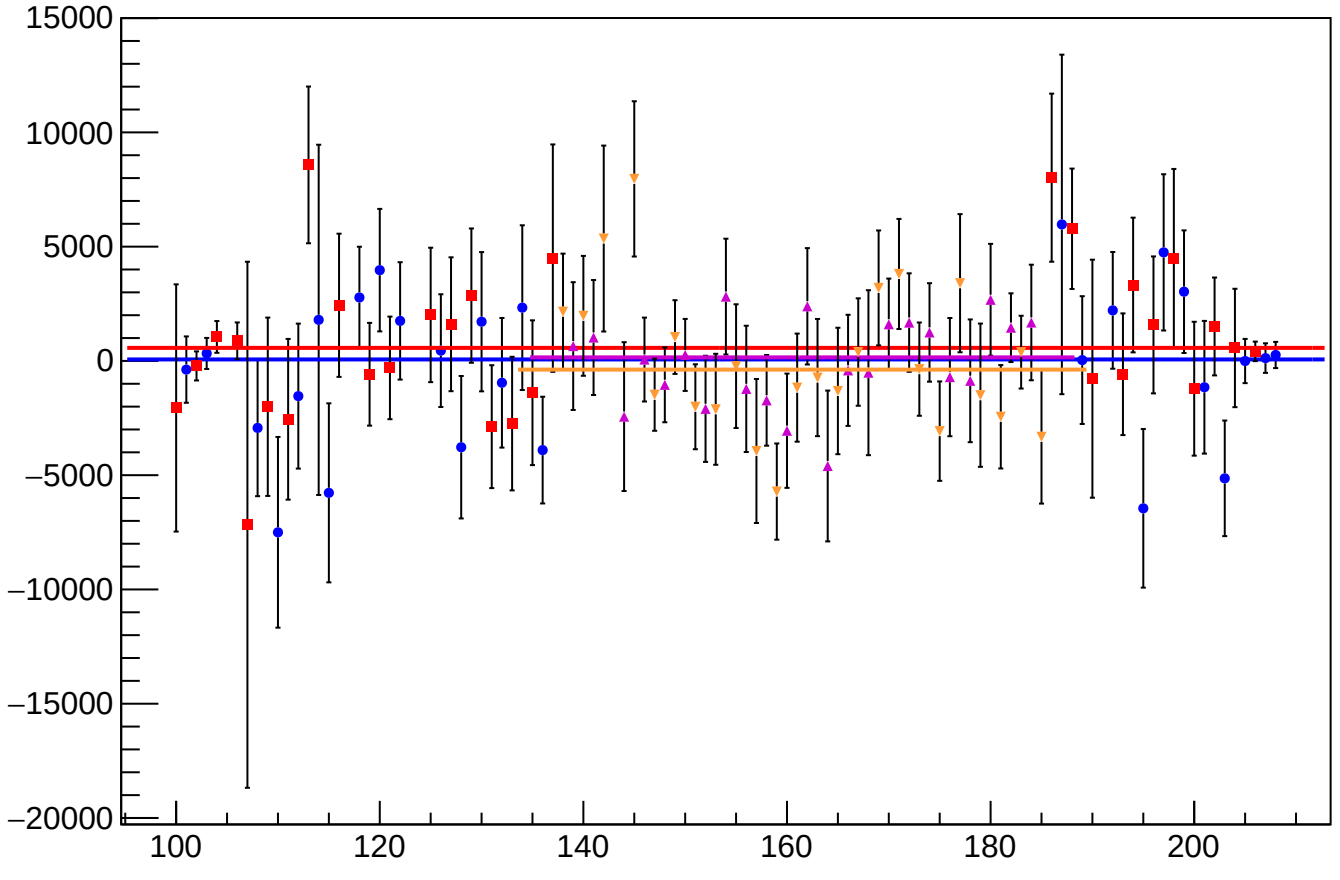
Right Out: 2293.546+/-0.408 χ^2/NDF: 247057.4/28

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2225.108+/-0.269 χ^2/NDF: 554759.3/50

All: 2230.915+/-0.191 χ^2/NDF: 839527.7/102

- sign 2236.789+/-0.271 χ^2/NDF: 283833.2/51



Right In: 64.549+/-293.190 χ^2/NDF: 28.9/26

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

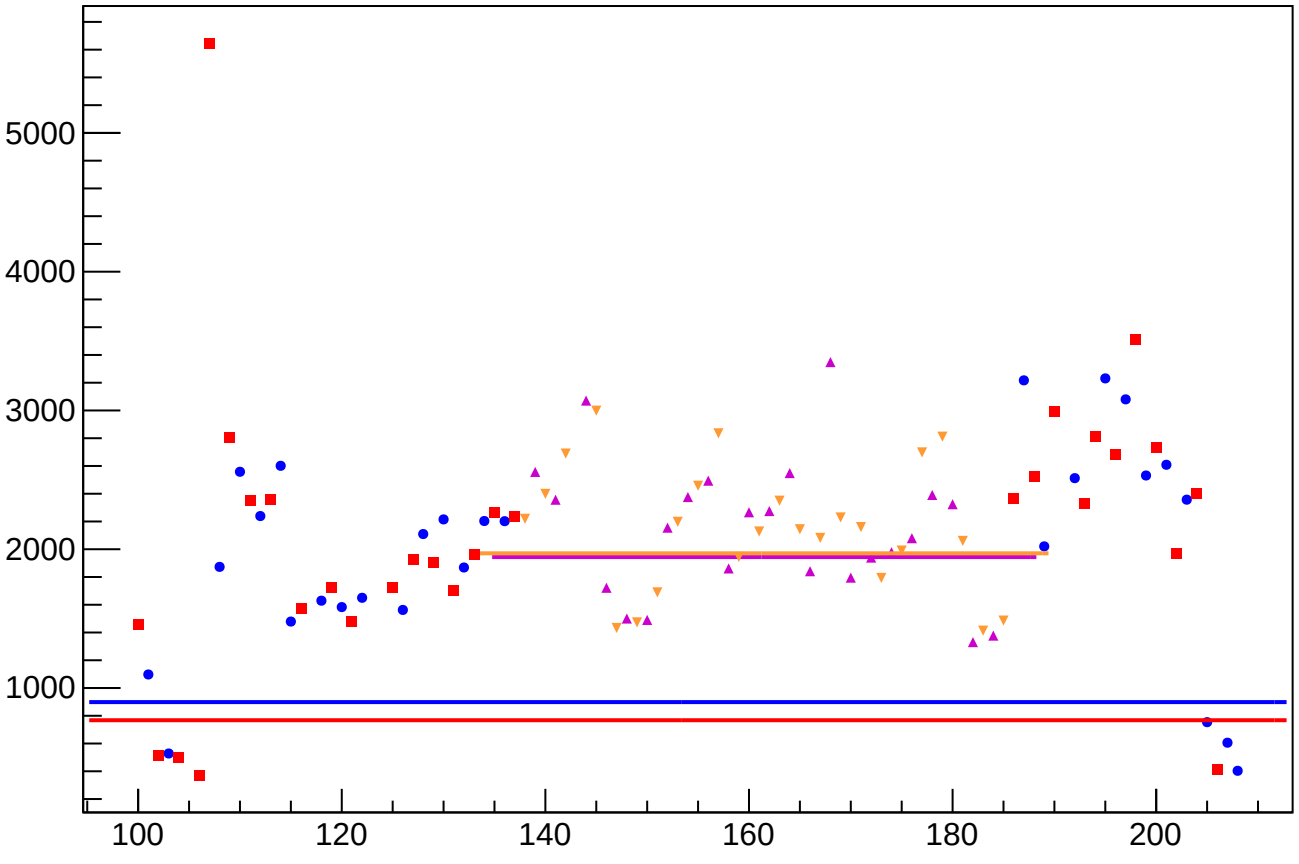
Right Out: 570.672+/-264.902 χ^2/NDF: 26.2/28

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -59.555+/-248.977 χ^2/NDF: 60.3/50

All: 225.394+/-169.157 χ^2/NDF: 102.3/102

- sign 469.691+/-230.534 χ^2/NDF: 39.6/51



Right In: 898.460+/-0.207 χ^2/NDF: 11199948.3/26

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 767.806+/-0.187 χ^2/NDF: 14392713.8/28

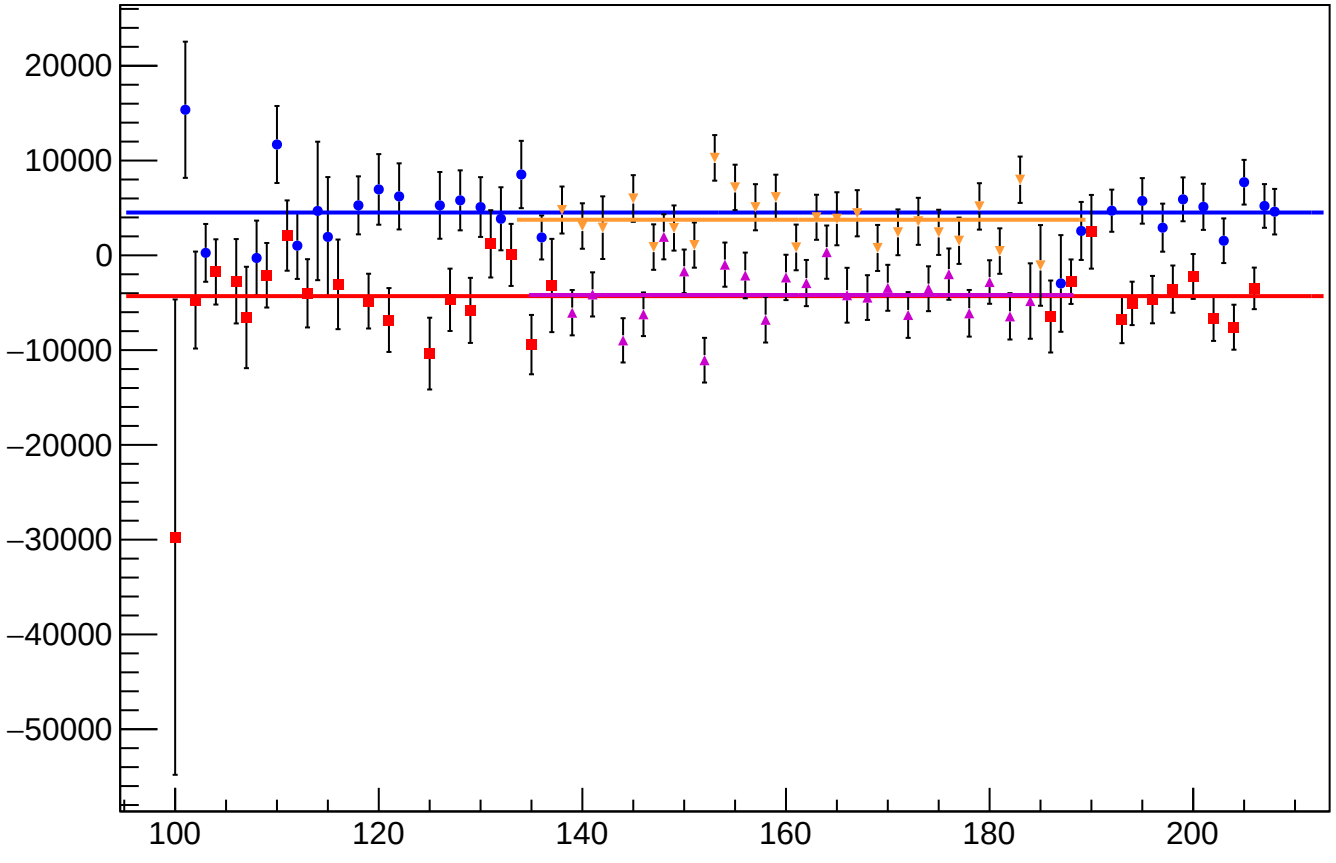
Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1197.455+/-0.176 χ^2/NDF: 20355394.3/50

All: 1119.743+/-0.120 χ^2/NDF: 46554291.6/1

- sign 1053.118+/-0.163 χ^2/NDF: 25837008.8/51

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4517.290+/-574.815 χ^2/NDF: 20.7/26

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -4304.218+/-577.505 χ^2/NDF: 24.5/28

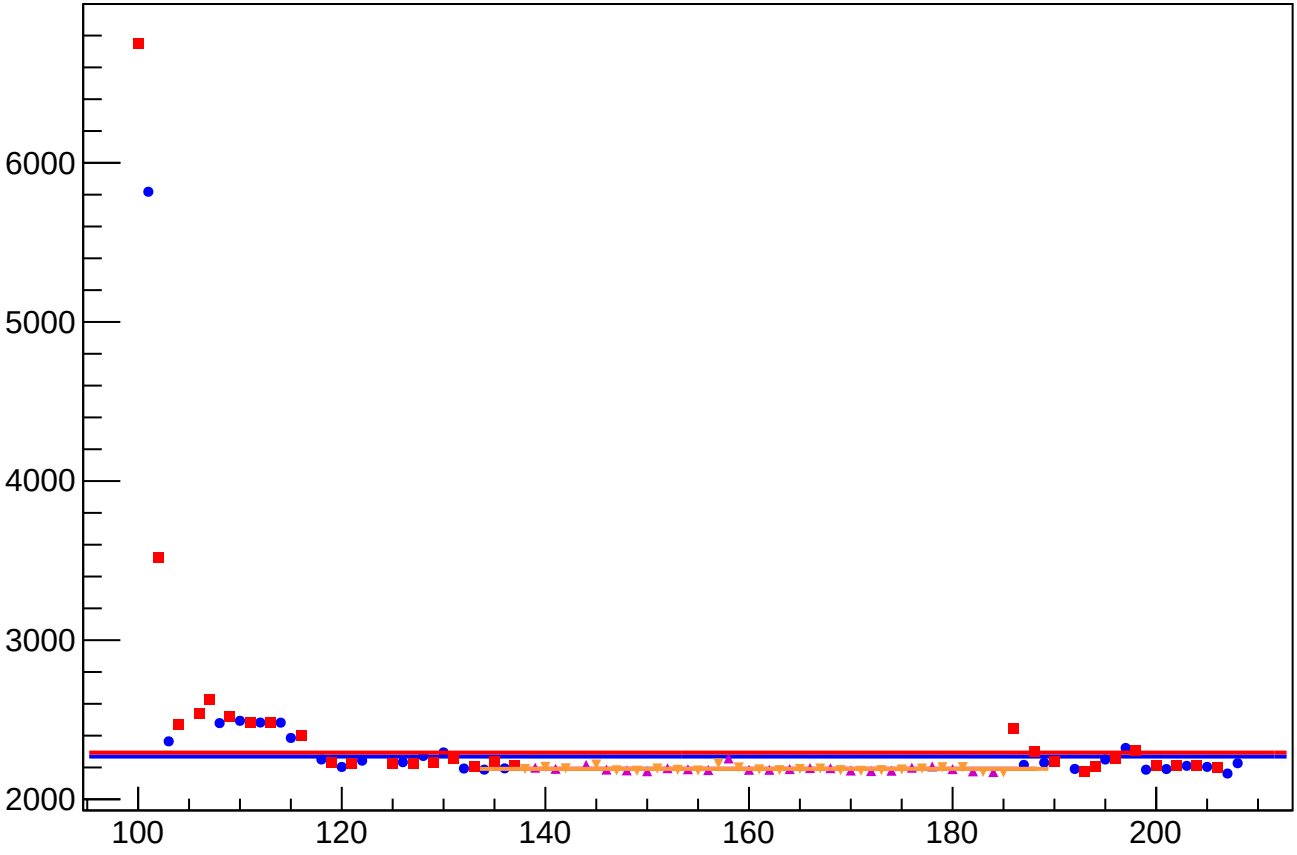
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4089.181+/-380.890 χ^2/NDF: 47.4/50

All: -50.307+/-270.093 χ^2/NDF: 342.1/102

- sign -4237.012+/-383.057 χ^2/NDF: 57.2/51

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2268.493+/-0.406 χ^2/NDF: 533218.2/26

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

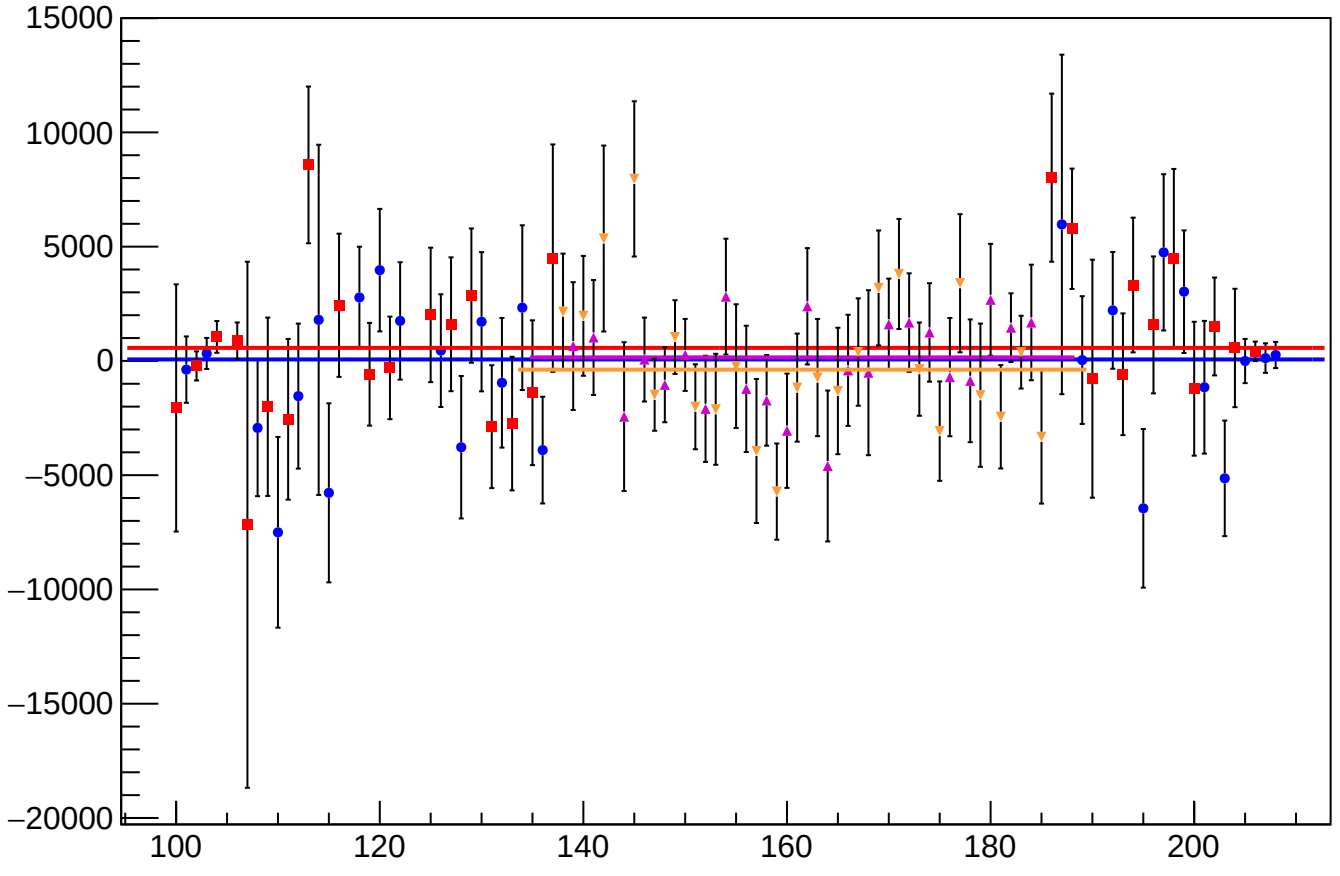
Right Out: 2293.546+/-0.408 χ^2/NDF: 247056.2/28

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2225.108+/-0.269 χ^2/NDF: 554759.1/50

All: 2230.915+/-0.191 χ^2/NDF: 839526.0/102

- sign 2236.789+/-0.271 χ^2/NDF: 283831.7/51



Right In: 64.545+/-293.190 χ^2/NDF: 28.9/26

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

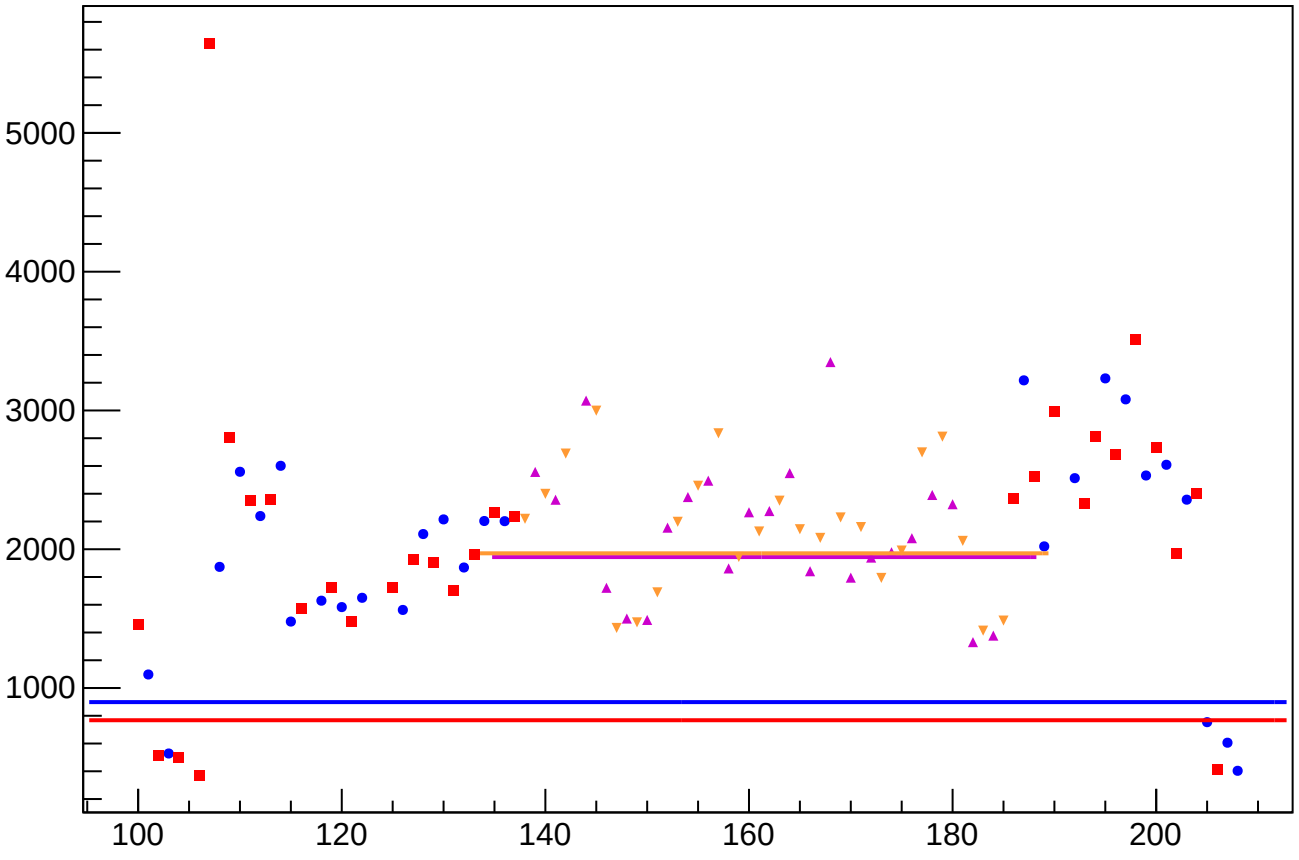
Right Out: 570.670+/-264.903 χ^2/NDF: 26.2/28

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -59.559+/-248.977 χ^2/NDF: 60.3/50

All: 225.390+/-169.157 χ^2/NDF: 102.3/102

- sign 469.689+/-230.535 χ^2/NDF: 39.6/51



Right In: 898.460+/-0.207 χ^2/NDF: 11199964.9/26

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 767.811+/-0.187 χ^2/NDF: 14392649.5/28

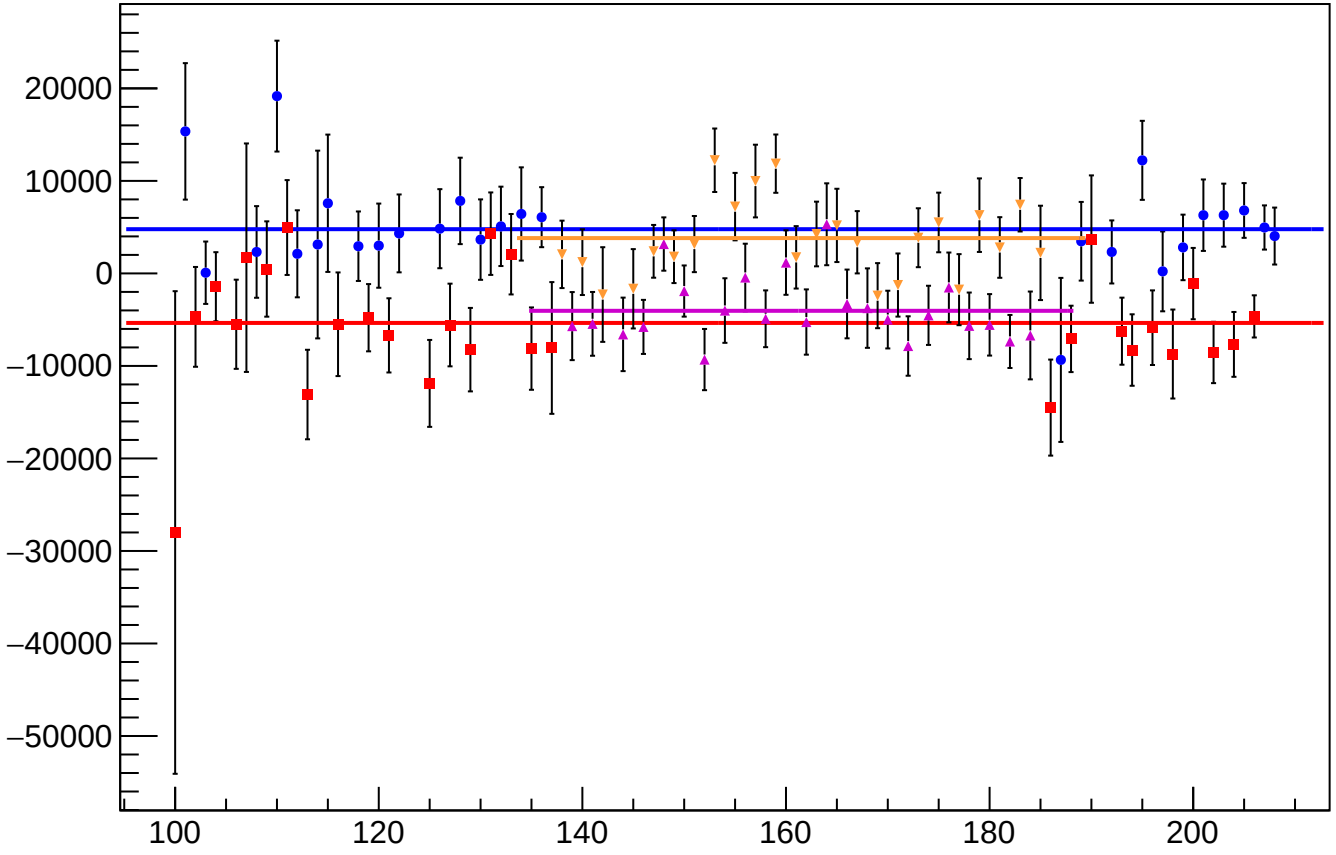
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1197.455+/-0.176 χ^2/NDF: 20355441.3/50

All: 1119.746+/-0.120 χ^2/NDF: 46554183.0/1

- sign 1053.123+/-0.163 χ^2/NDF: 25836880.3/51

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4780.351+/-776.930 χ^2/NDF: 20.2/26

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -5352.415+/-795.733 χ^2/NDF: 29.6/28

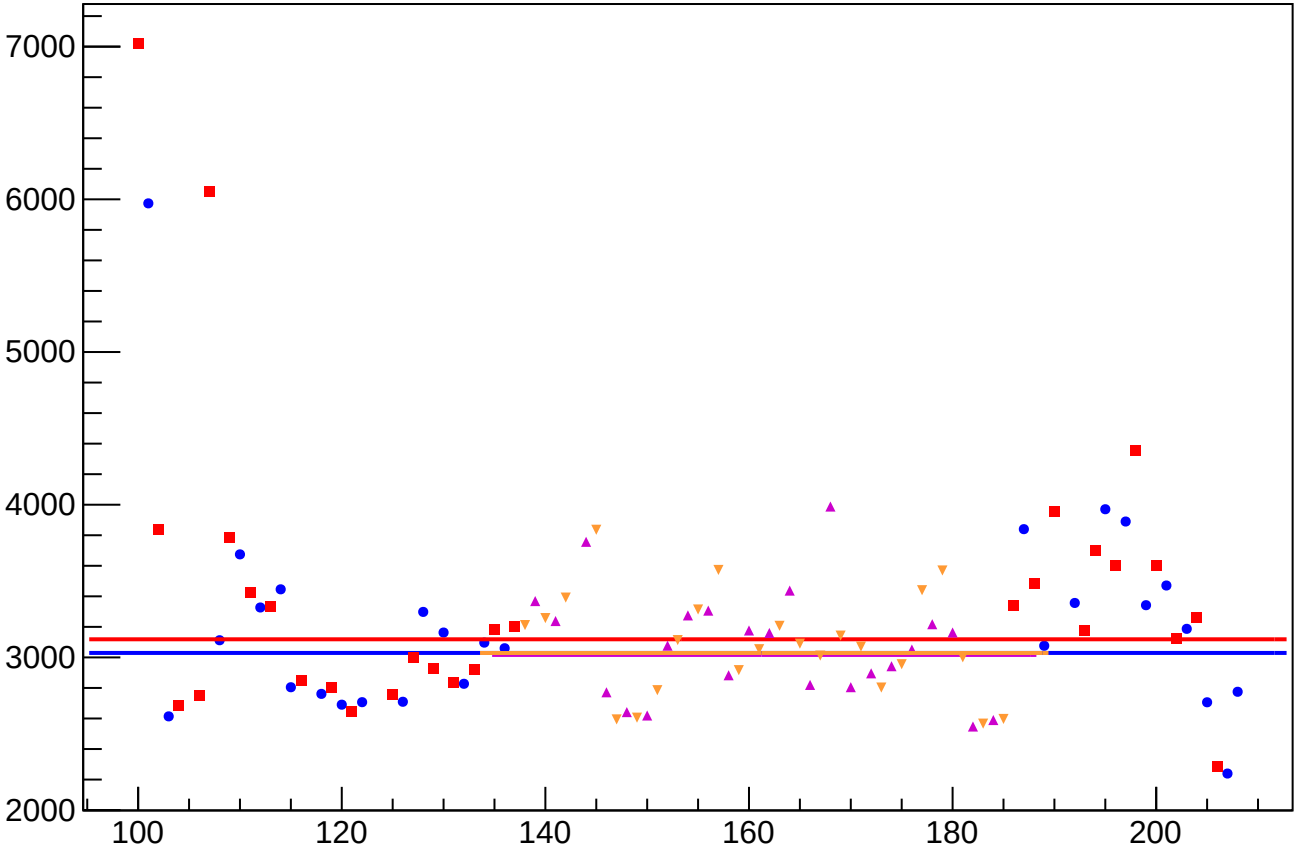
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4254.721+/-523.433 χ^2/NDF: 51.9/50

All: -132.034+/-372.283 χ^2/NDF: 247.6/102

- sign -4622.683+/-529.595 χ^2/NDF: 53.6/51

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3029.315+/-0.549 χ^2/NDF: 957999.2/26

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

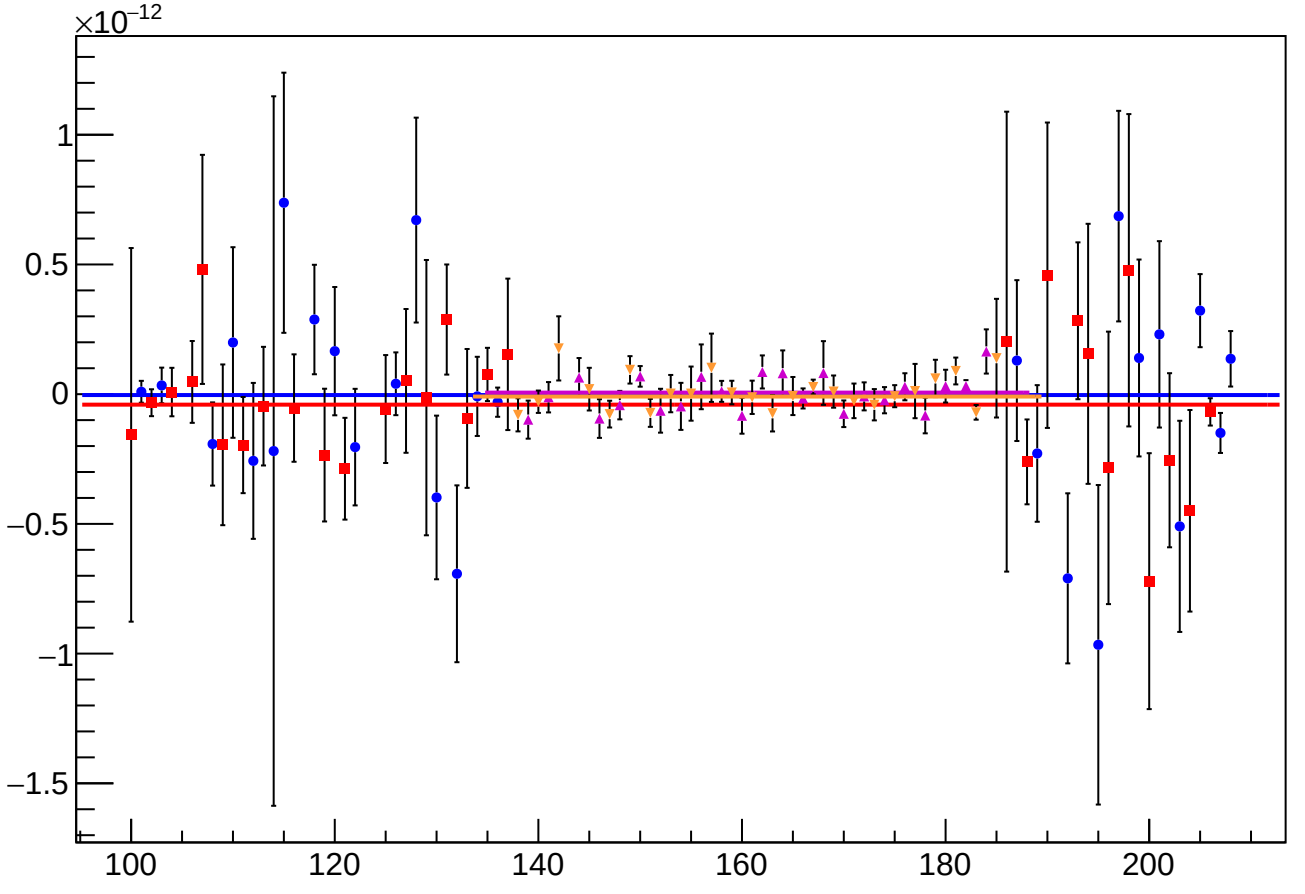
Right Out: 3118.645+/-0.563 χ^2/NDF: 914193.1/28

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3029.134+/-0.370 χ^2/NDF: 1355110.5/50

All: 3045.180+/-0.263 χ^2/NDF: 2731452.5/10

- sign 3061.607+/-0.374 χ^2/NDF: 1372538.2/51



Right In: -0.000+/-0.000 χ^2/NDF: 40.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

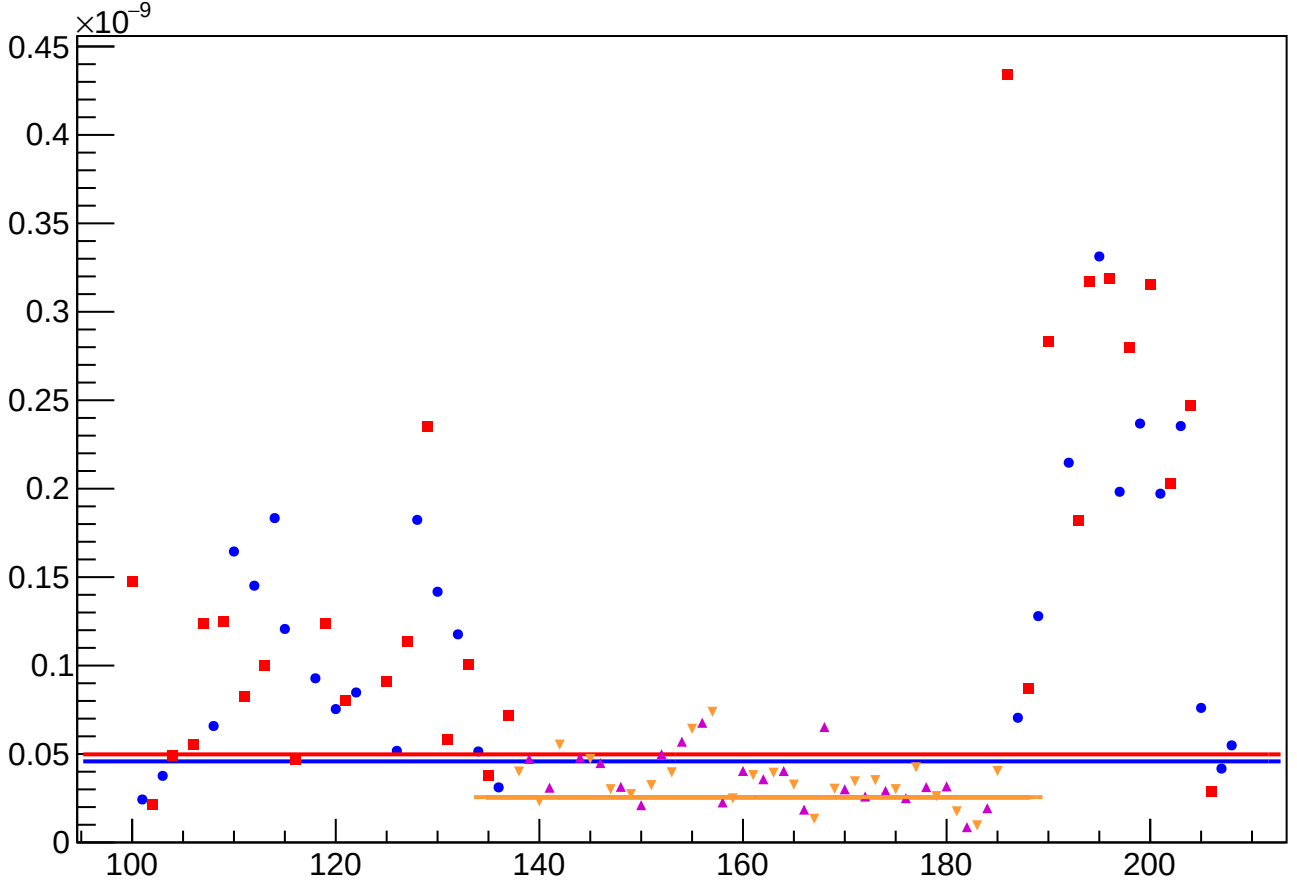
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/28

Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.0/50

All: -0.000+/-0.000 χ^2/NDF: 108.9/102

- sign -0.000+/-0.000 χ^2/NDF: 43.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 4776029.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

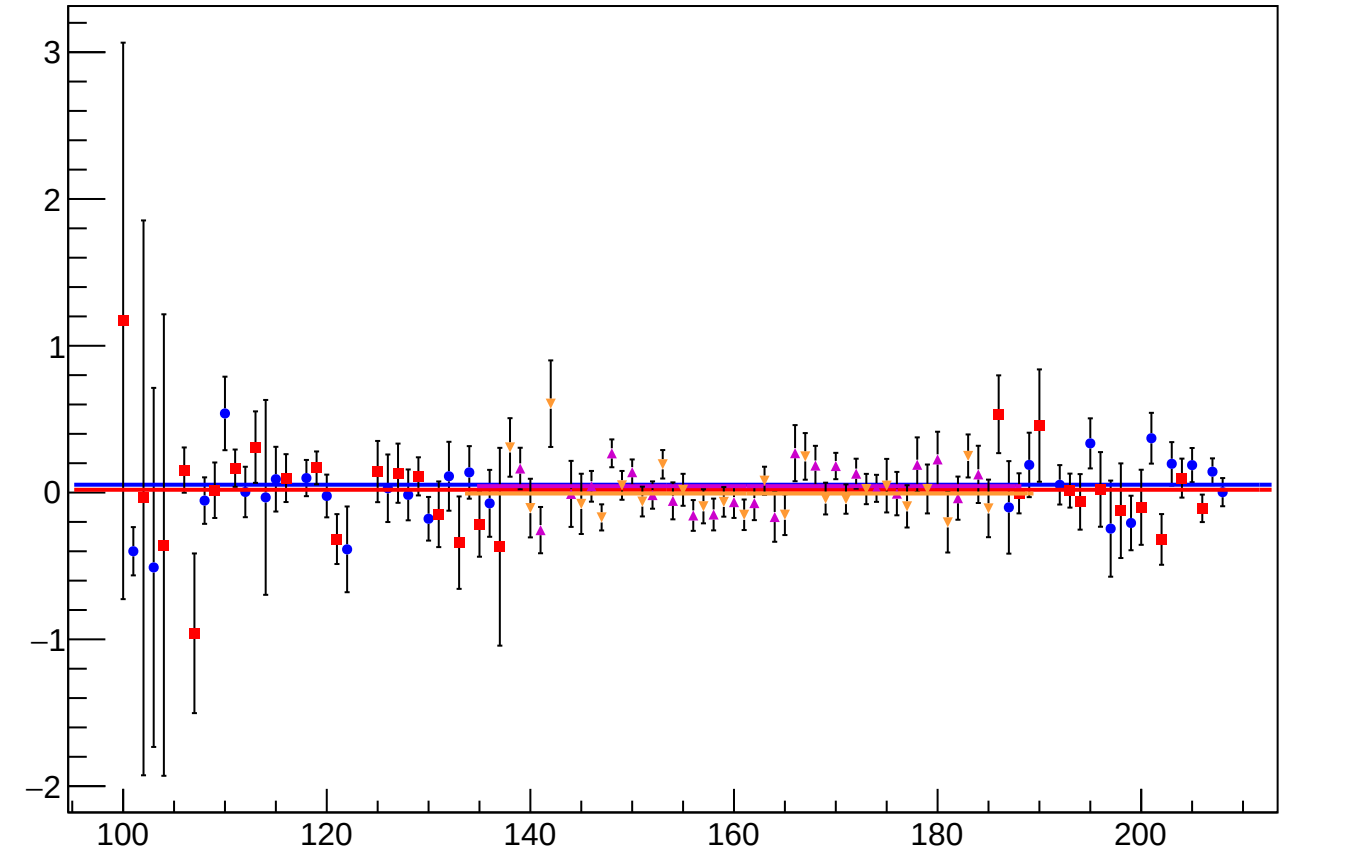
Right Out: 0.000+/-0.000 χ^2/NDF: 6116308.8/28

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8371230.8/50

All: 0.000+/-0.000 χ^2/NDF: 18606136.2/102

- sign 0.000+/-0.000 χ^2/NDF: 10233643.1/51



Right In: 0.053+/-0.032 χ^2/NDF: 31.0/26

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

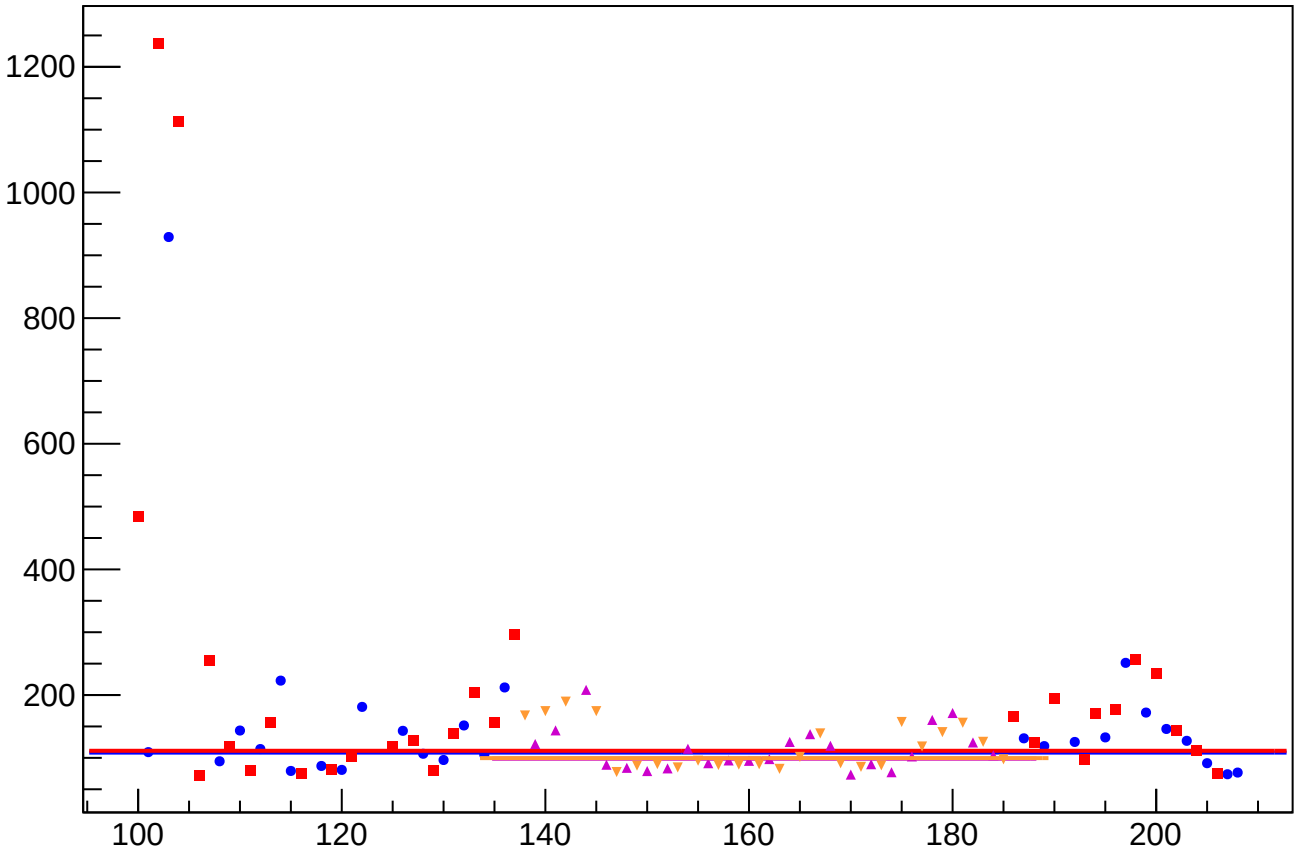
Right Out: 0.019+/-0.034 χ^2/NDF: 29.3/28

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.017+/-0.020 χ^2/NDF: 60.9/50

All: 0.026+/-0.014 χ^2/NDF: 121.2/102

- sign 0.035+/-0.020 χ^2/NDF: 59.9/51



Right In: 108.376+/-0.023 χ^2/NDF: 3225256.7/26

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

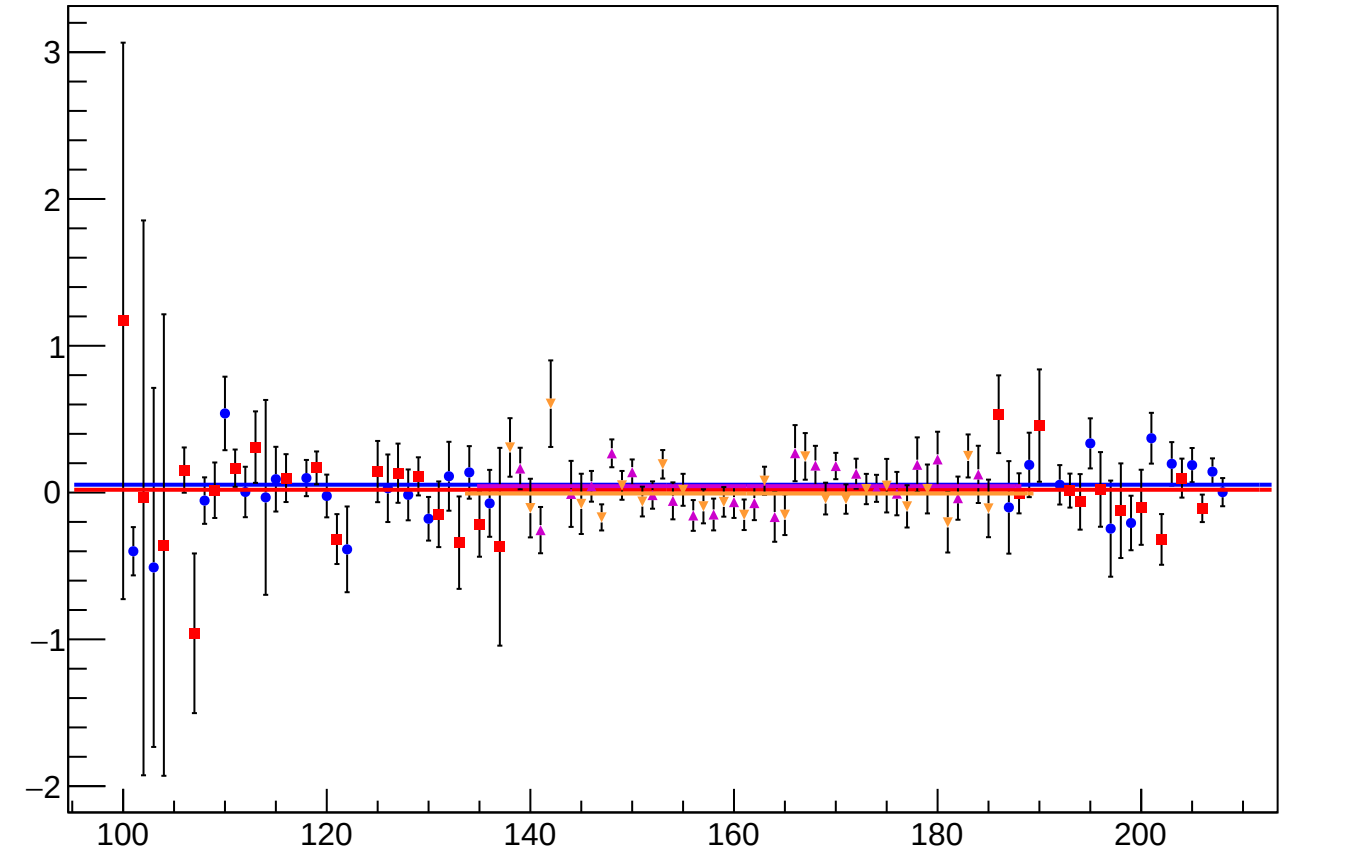
Right Out: 111.272+/-0.024 χ^2/NDF: 4677605.1/28

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.984+/-0.014 χ^2/NDF: 5389275.3/50

All: 103.079+/-0.010 χ^2/NDF: 12251209.5/10

- sign 103.176+/-0.014 χ^2/NDF: 6861841.5/51



Right In: 0.053+/-0.032 χ^2/NDF: 31.0/26

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

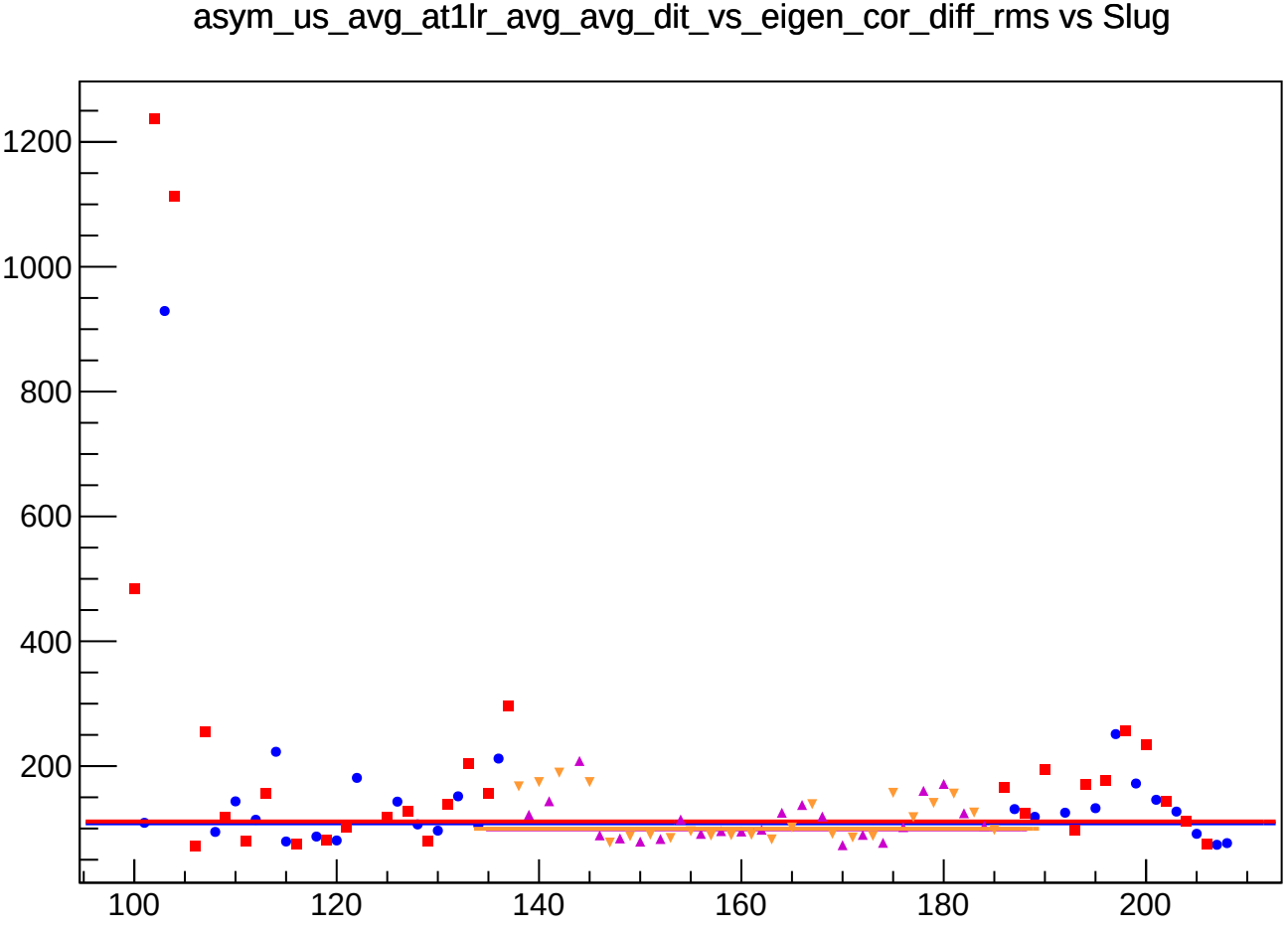
Right Out: 0.019+/-0.034 χ^2/NDF: 29.3/28

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.017+/-0.020 χ^2/NDF: 60.9/50

All: 0.026+/-0.014 χ^2/NDF: 121.2/102

- sign 0.035+/-0.020 χ^2/NDF: 59.9/51



Right In: 108.376+/-0.023 χ^2/NDF: 3225256.7/26

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

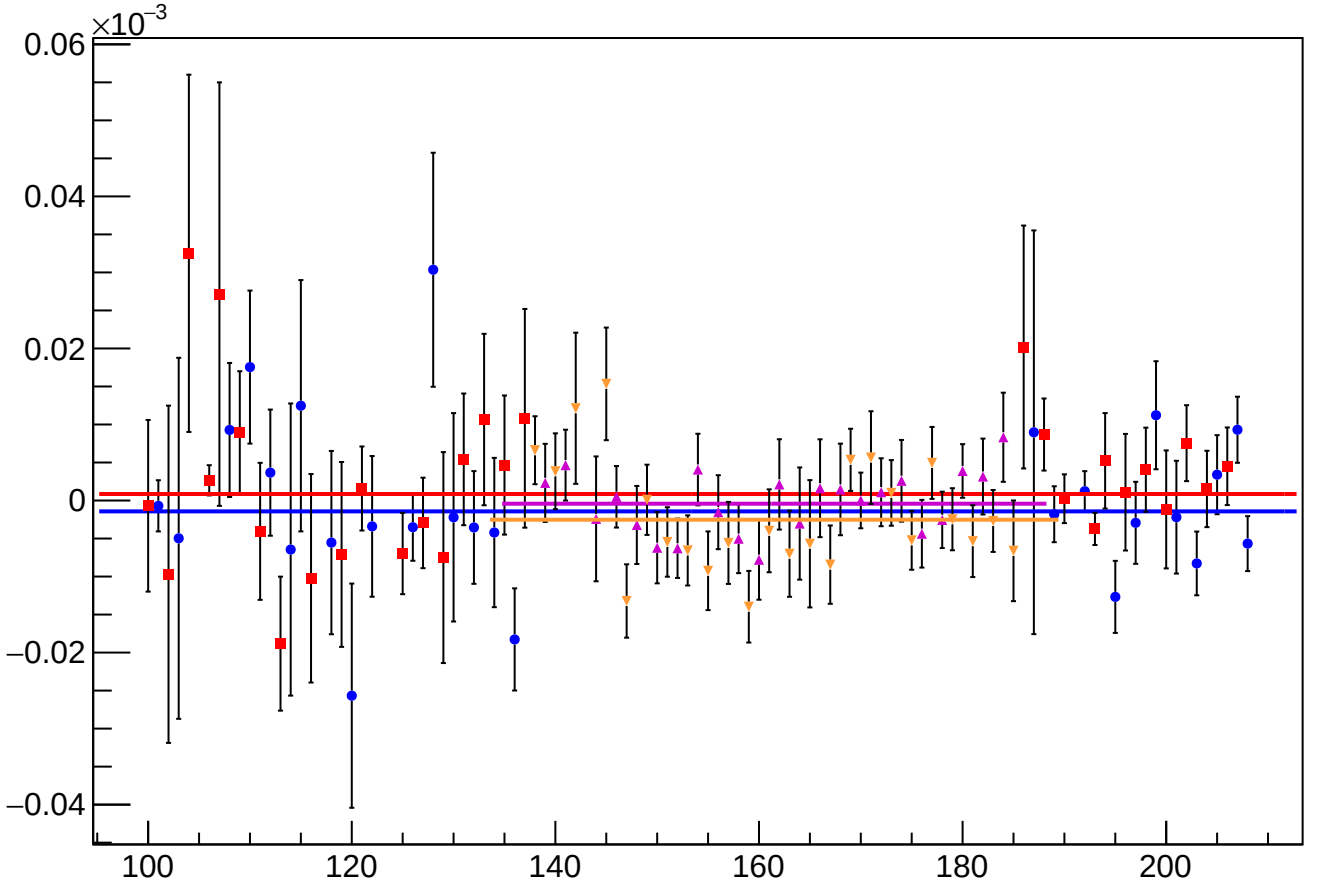
Right Out: 111.272+/-0.024 χ^2/NDF: 4677605.1/28

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.984+/-0.014 χ^2/NDF: 5389275.3/50

All: 103.079+/-0.010 χ^2/NDF: 12251209.5/10

- sign 103.176+/-0.014 χ^2/NDF: 6861841.5/51



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

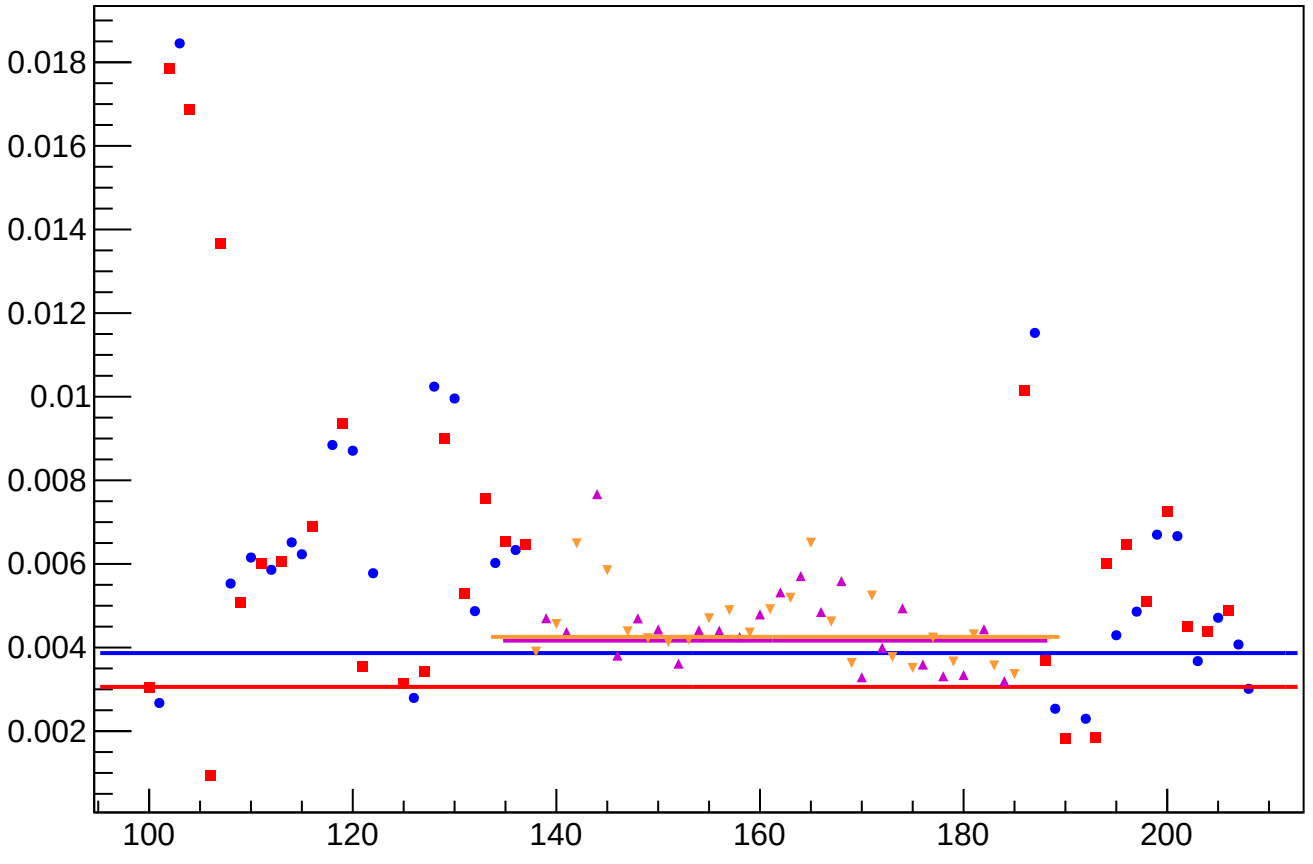
Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/28

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.8/50

All: -0.000+/-0.000 χ^2/NDF: 131.3/102

- sign 0.000+/-0.000 χ^2/NDF: 44.6/51



Right In: 0.004+/-0.000 χ^2/NDF: 5273044.4/26

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10291333.0/28

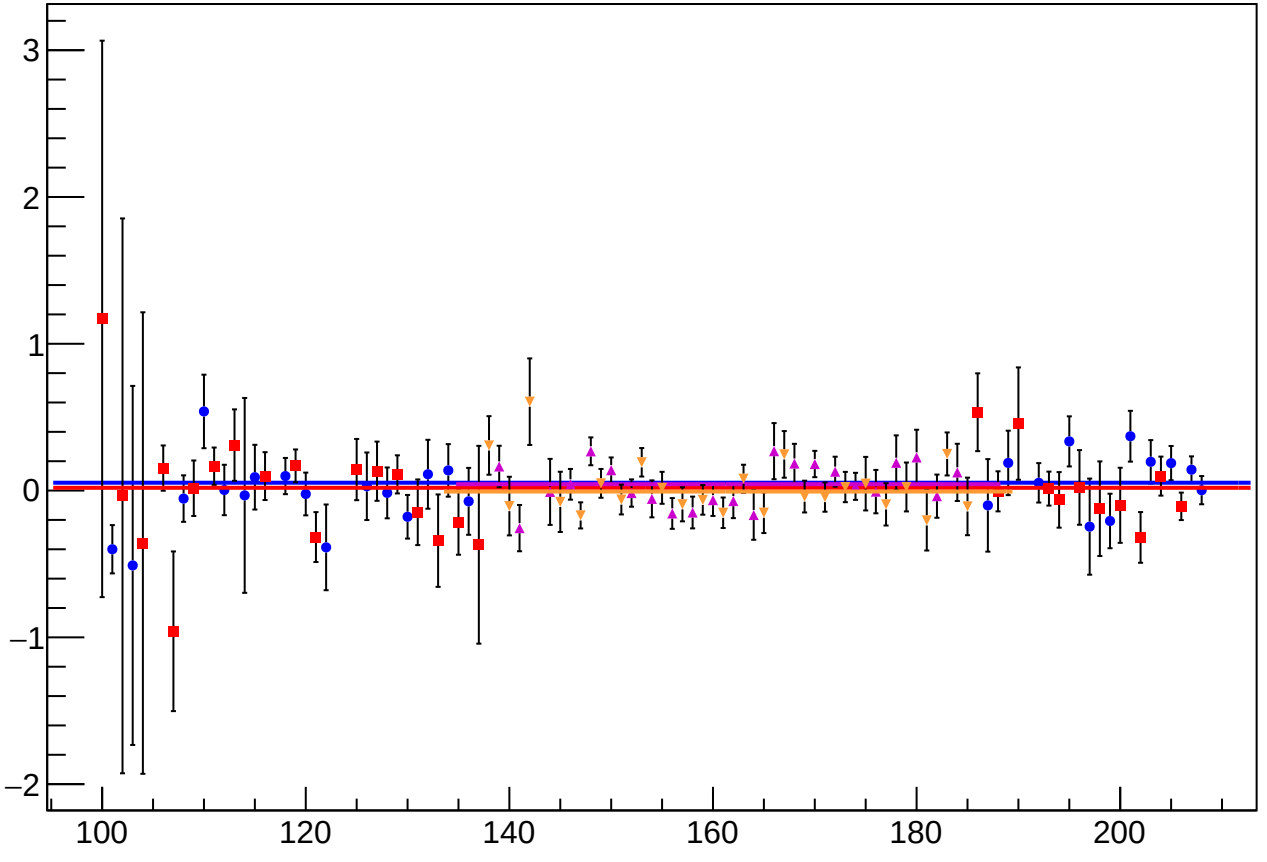
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 6241004.4/50

All: 0.004+/-0.000 χ^2/NDF: 19491167.1/102

- sign 0.004+/-0.000 χ^2/NDF: 12823277.6/51

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.053+/-0.032 χ^2/NDF: 31.0/26

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

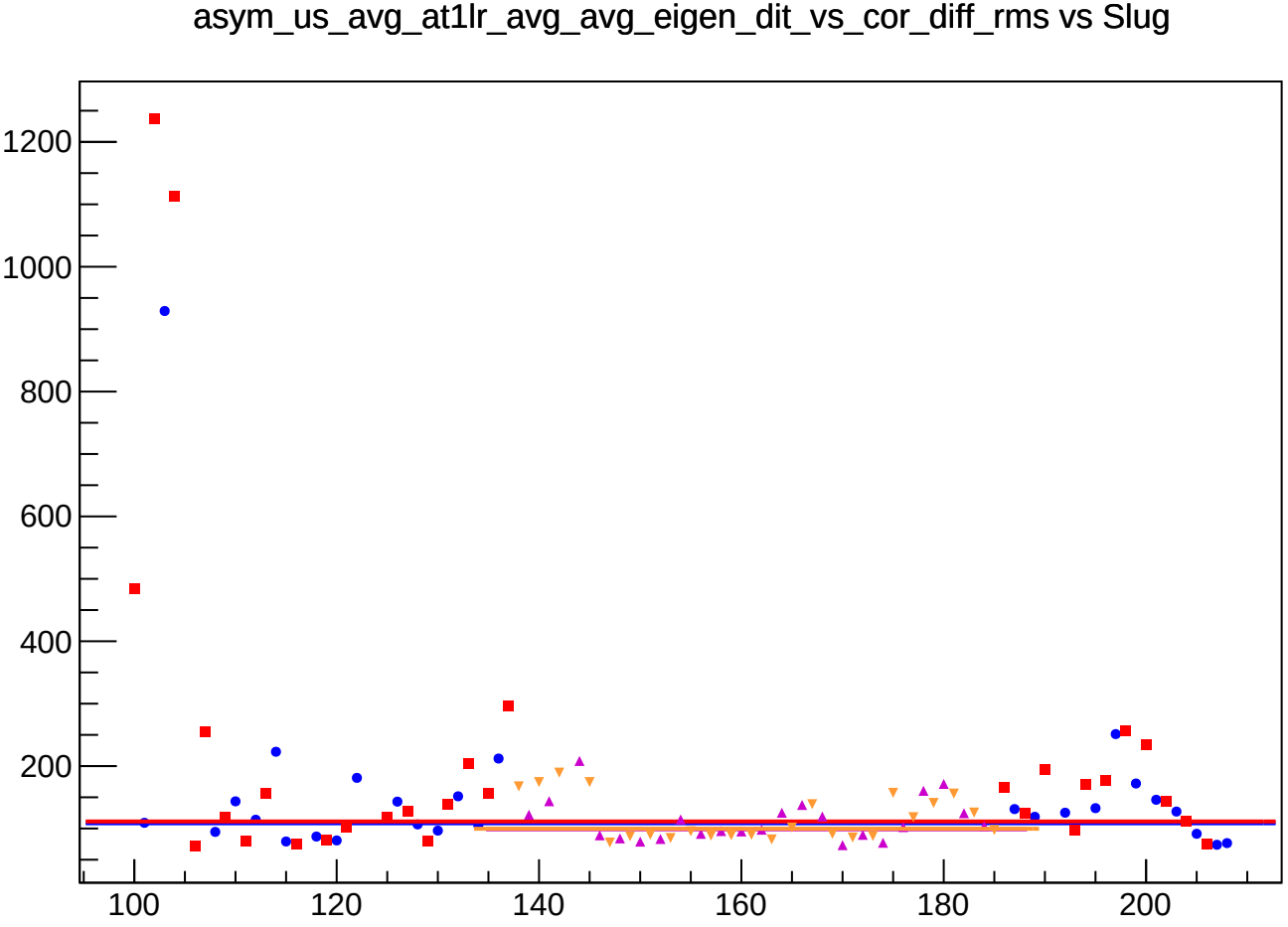
Right Out: 0.019+/-0.034 χ^2/NDF: 29.3/28

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.017+/-0.020 χ^2/NDF: 60.9/50

All: 0.026+/-0.014 χ^2/NDF: 121.2/102

- sign 0.035+/-0.020 χ^2/NDF: 59.9/51



Right In: 108.376+/-0.023 χ^2/NDF: 3225188.5/26

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 111.271+/-0.024 χ^2/NDF: 4677581.2/28

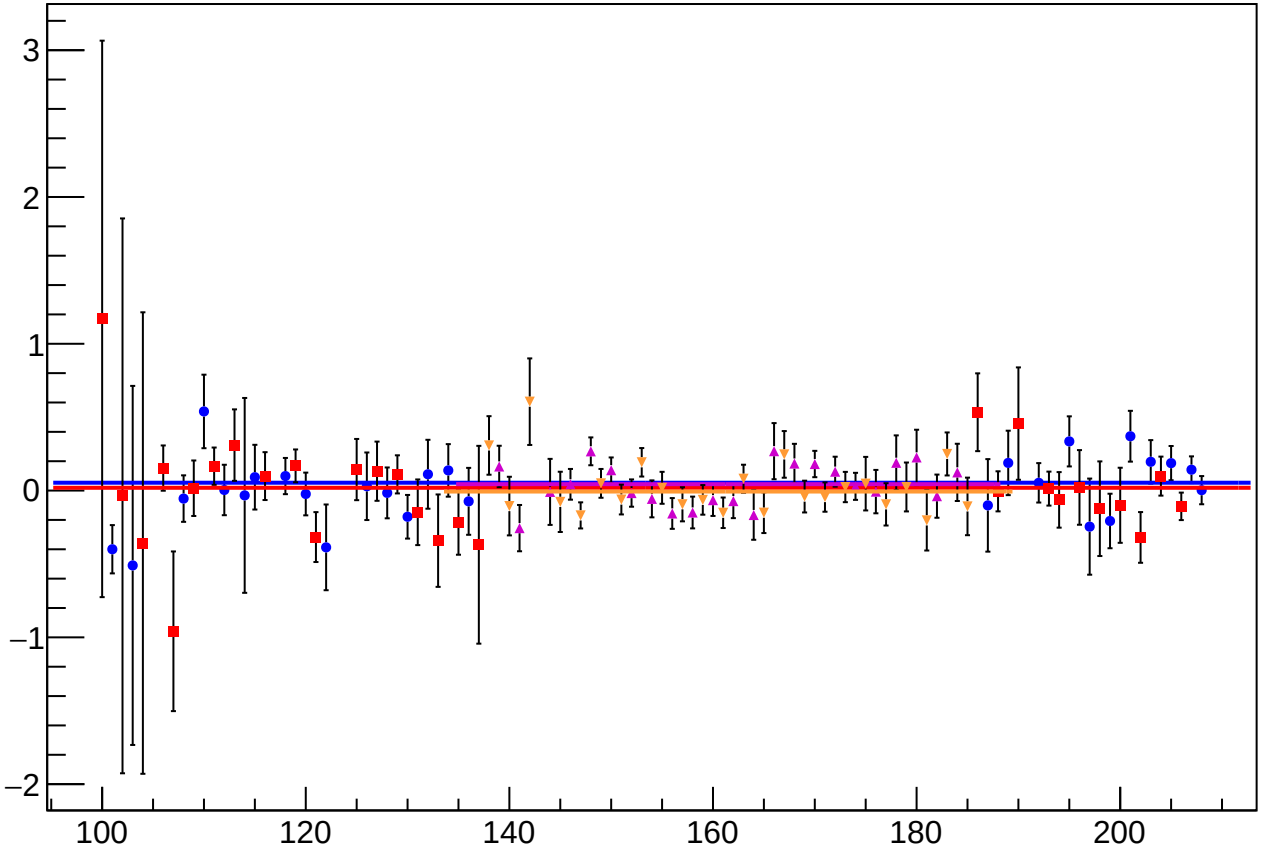
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 102.984+/-0.014 χ^2/NDF: 5389154.4/50

All: 103.079+/-0.010 χ^2/NDF: 12251011.3/10

- sign 103.176+/-0.014 χ^2/NDF: 6861764.5/51

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.053+/-0.032 χ^2/NDF: 31.0/26

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

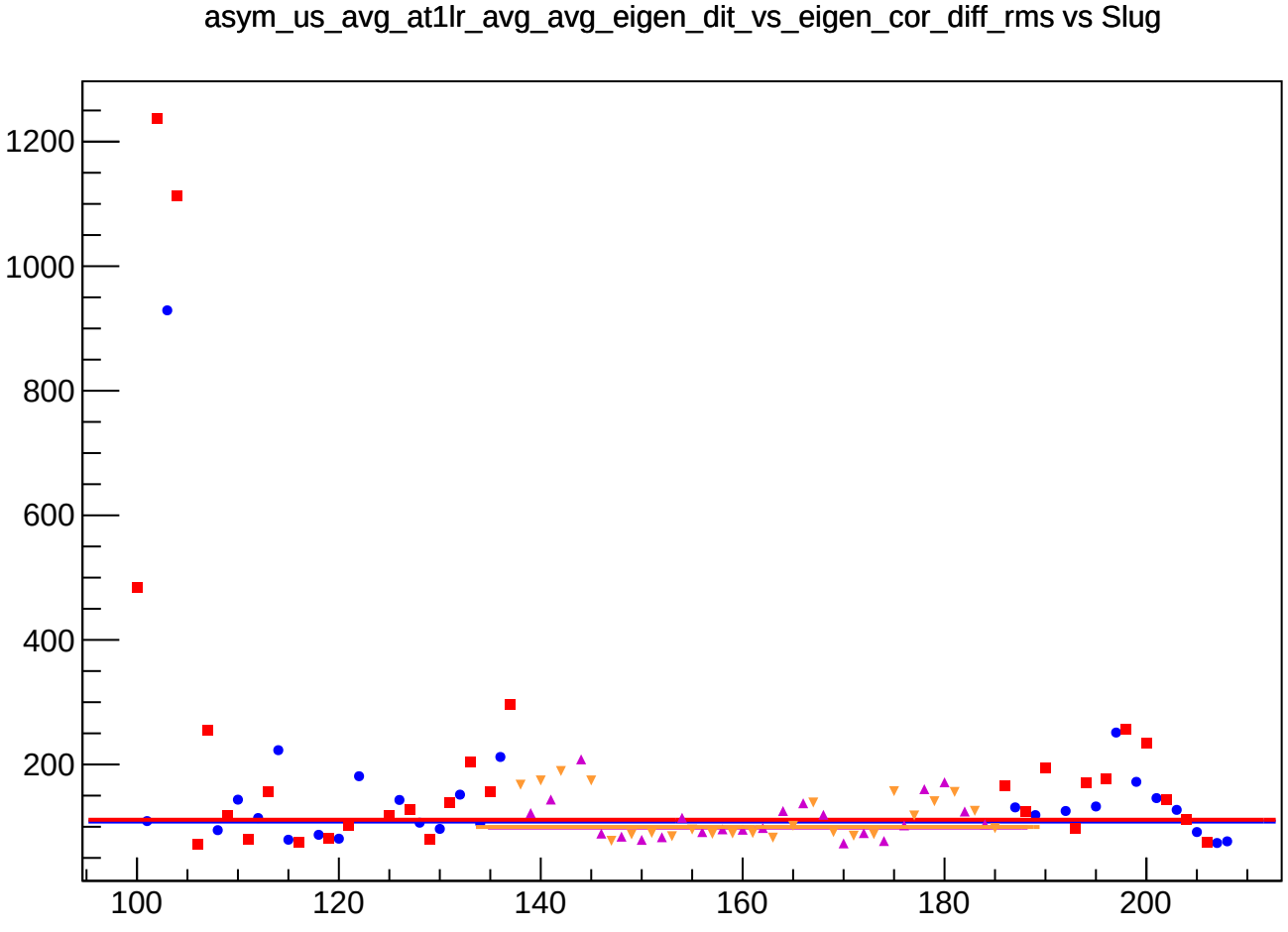
Right Out: 0.019+/-0.034 χ^2/NDF: 29.3/28

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.017+/-0.020 χ^2/NDF: 60.9/50

All: 0.026+/-0.014 χ^2/NDF: 121.2/102

- sign 0.035+/-0.020 χ^2/NDF: 59.9/51



Right In: 108.376+/-0.023 χ^2/NDF: 3225188.5/26

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

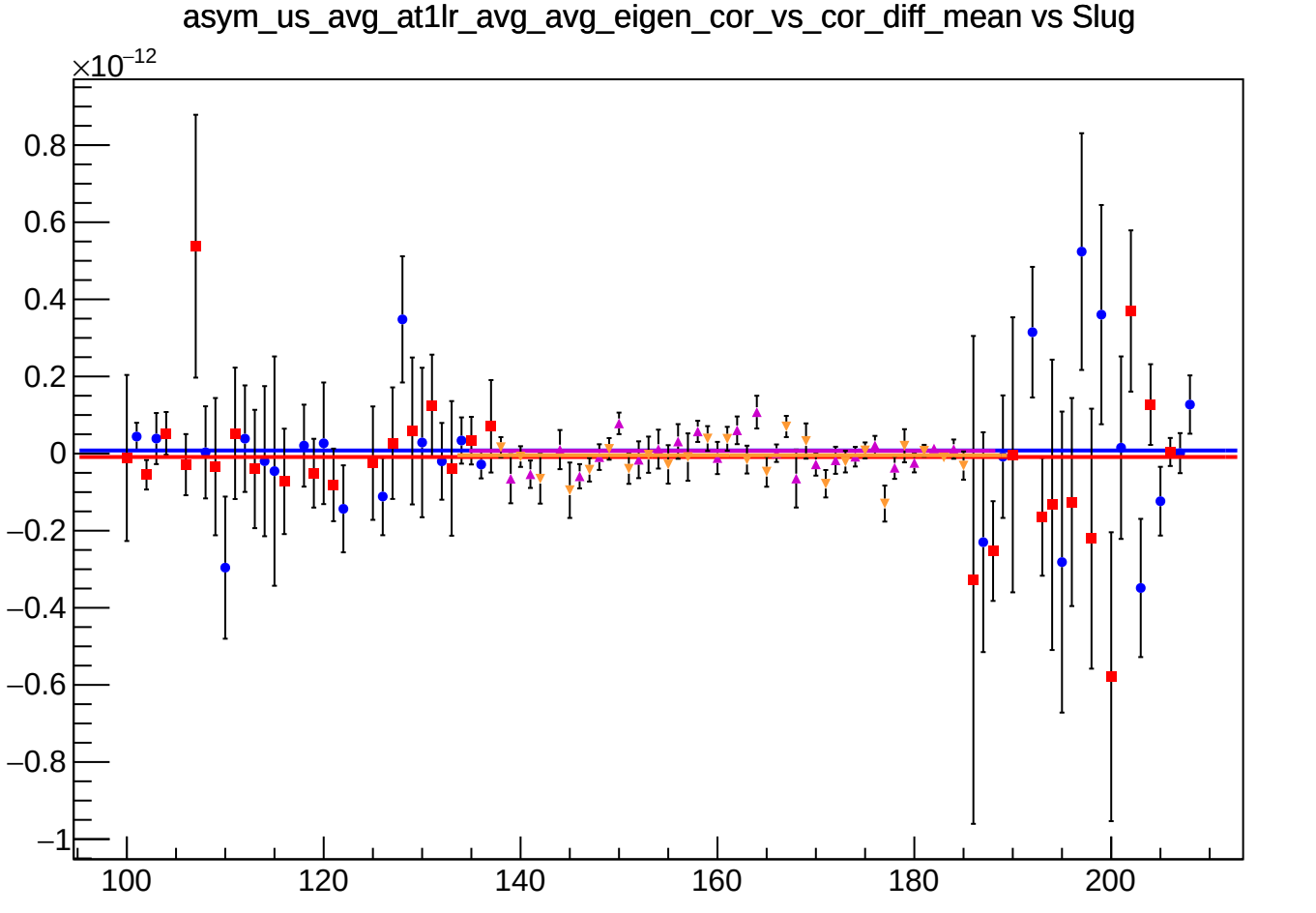
Right Out: 111.271+/-0.024 χ^2/NDF: 4677581.2/28

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 102.984+/-0.014 χ^2/NDF: 5389154.4/50

All: 103.079+/-0.010 χ^2/NDF: 12251011.3/10

- sign 103.176+/-0.014 χ^2/NDF: 6861764.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 30.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

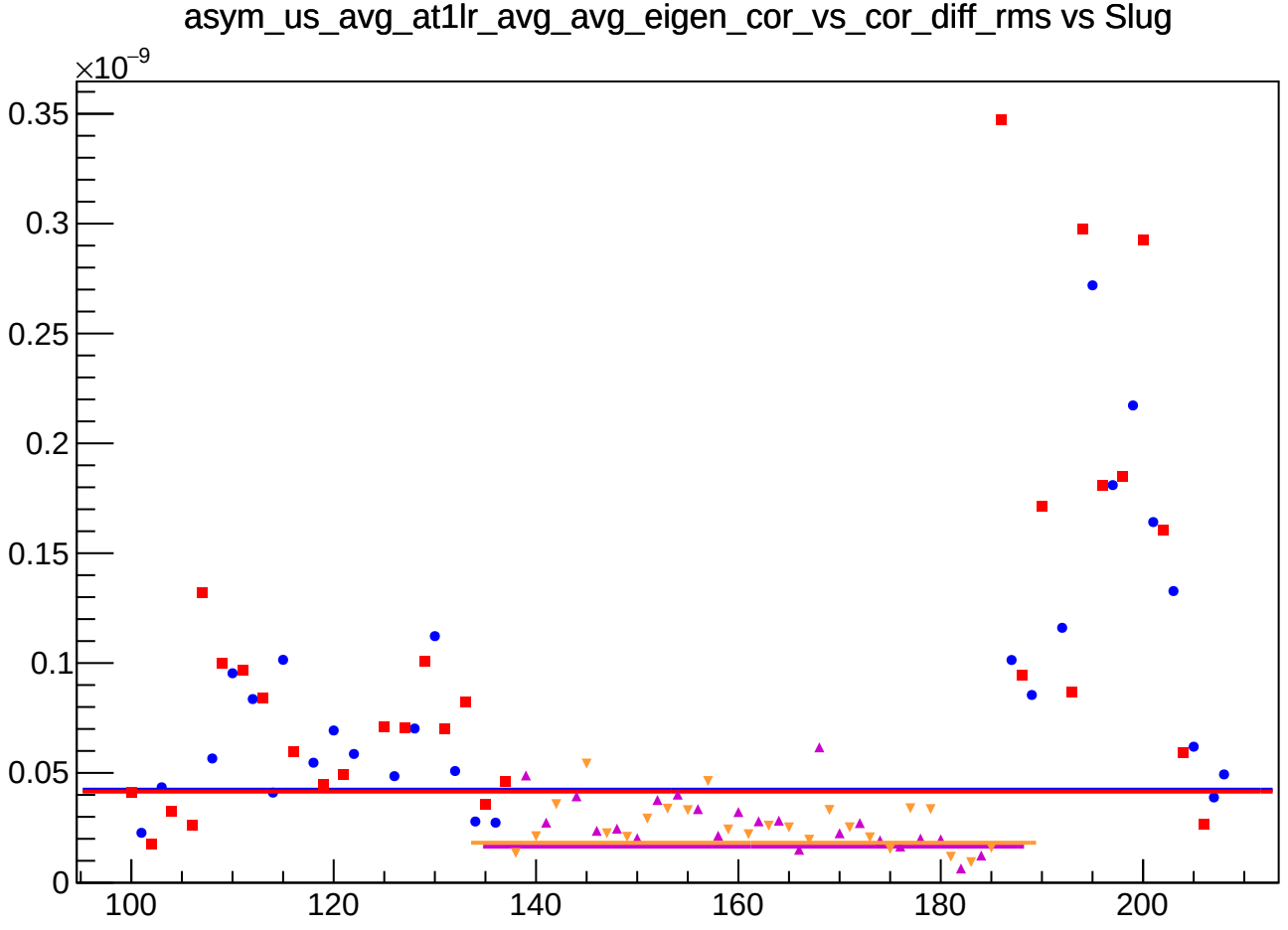
Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/28

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.9/50

All: 0.000+/-0.000 χ^2/NDF: 122.8/102

- sign 0.000+/-0.000 χ^2/NDF: 57.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 5613547.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7243262.1/28

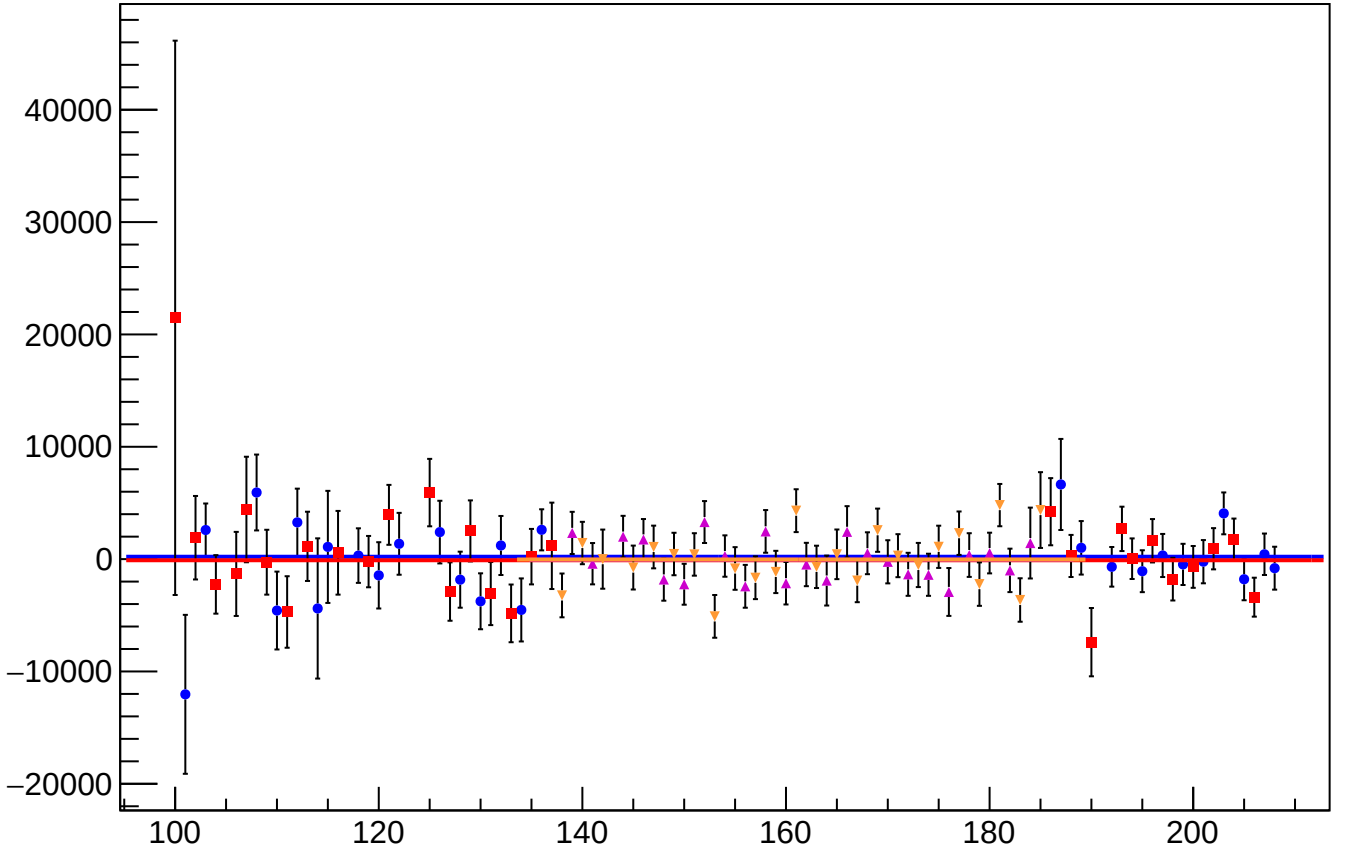
Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13625119.8/50

All: 0.000+/-0.000 χ^2/NDF: 31681612.5/102

- sign 0.000+/-0.000 χ^2/NDF: 17882900.0/51

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 211.946+/-455.814 χ^2/NDF: 28.7/26

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -100.357+/-457.121 χ^2/NDF: 34.5/28

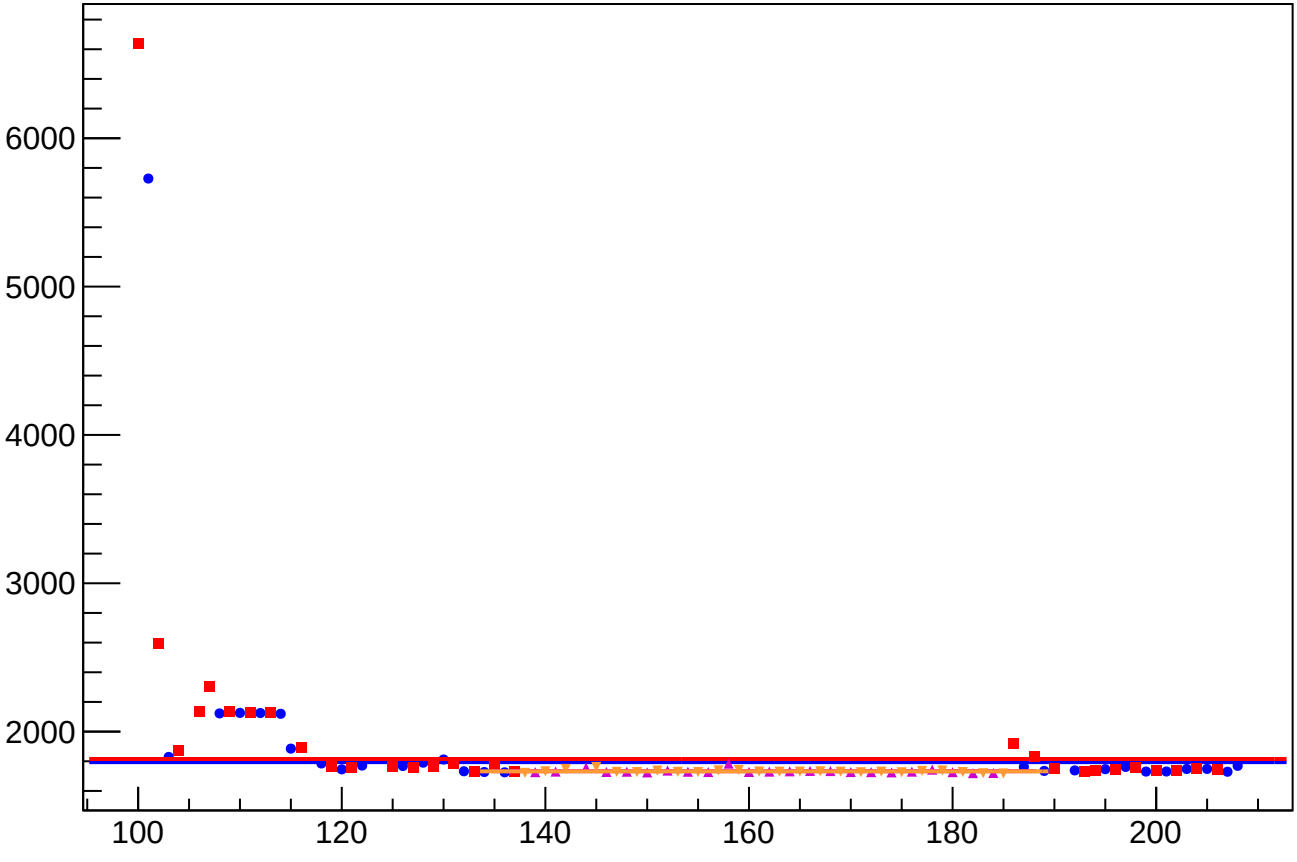
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 73.146+/-301.484 χ^2/NDF: 64.3/50

All: 0.097+/-213.720 χ^2/NDF: 118.3/102

- sign -73.694+/-303.014 χ^2/NDF: 53.9/51

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1794.207+/-0.322 χ^2/NDF: 707715.9/26

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

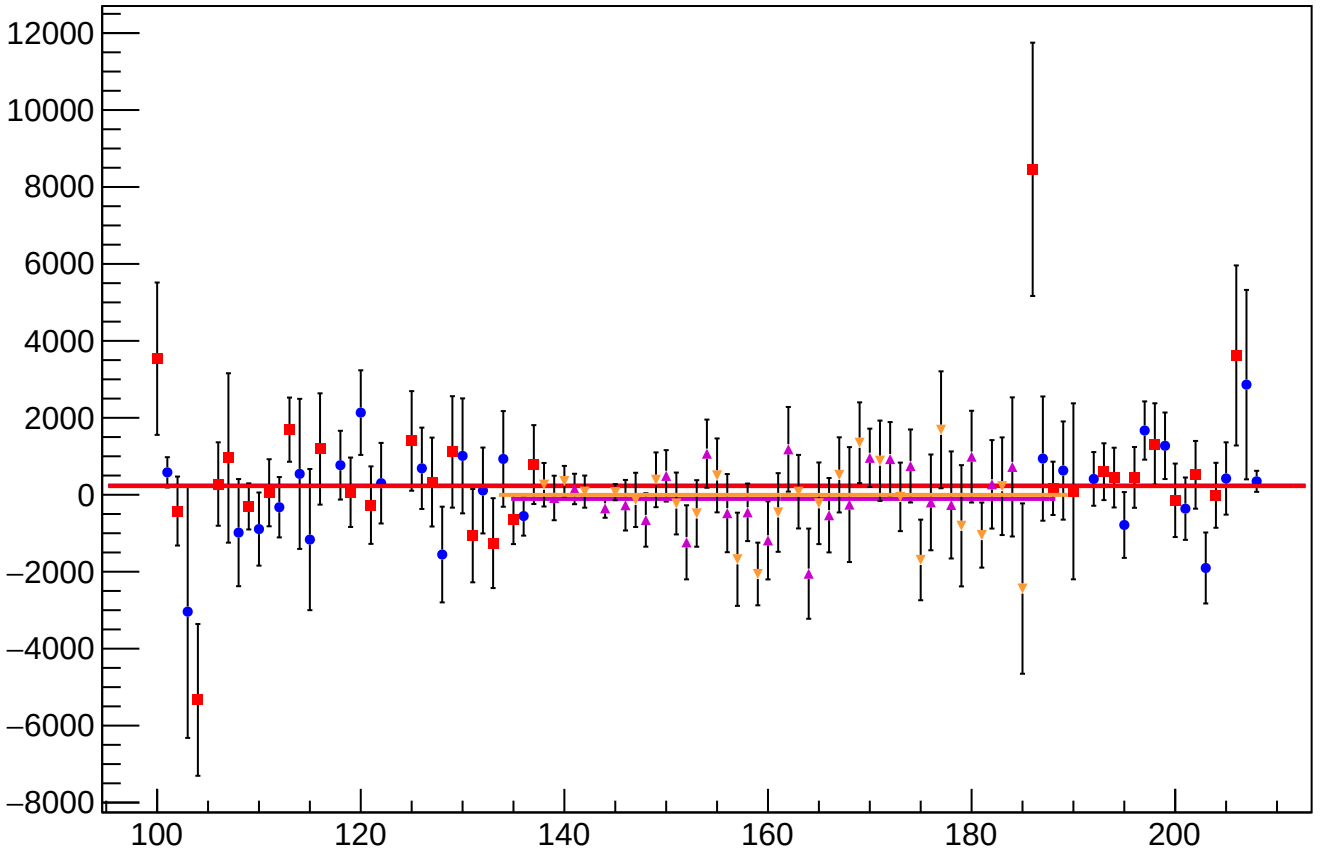
Right Out: 1815.384+/-0.323 χ^2/NDF: 304422.6/28

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1759.206+/-0.213 χ^2/NDF: 729617.2/50

All: 1764.265+/-0.151 χ^2/NDF: 1073541.0/10

- sign 1769.376+/-0.214 χ^2/NDF: 342791.5/51



Right In: 238.531+/-148.255 χ^2/NDF: 27.7/26

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: 224.479+/-182.742 χ^2/NDF: 32.2/28

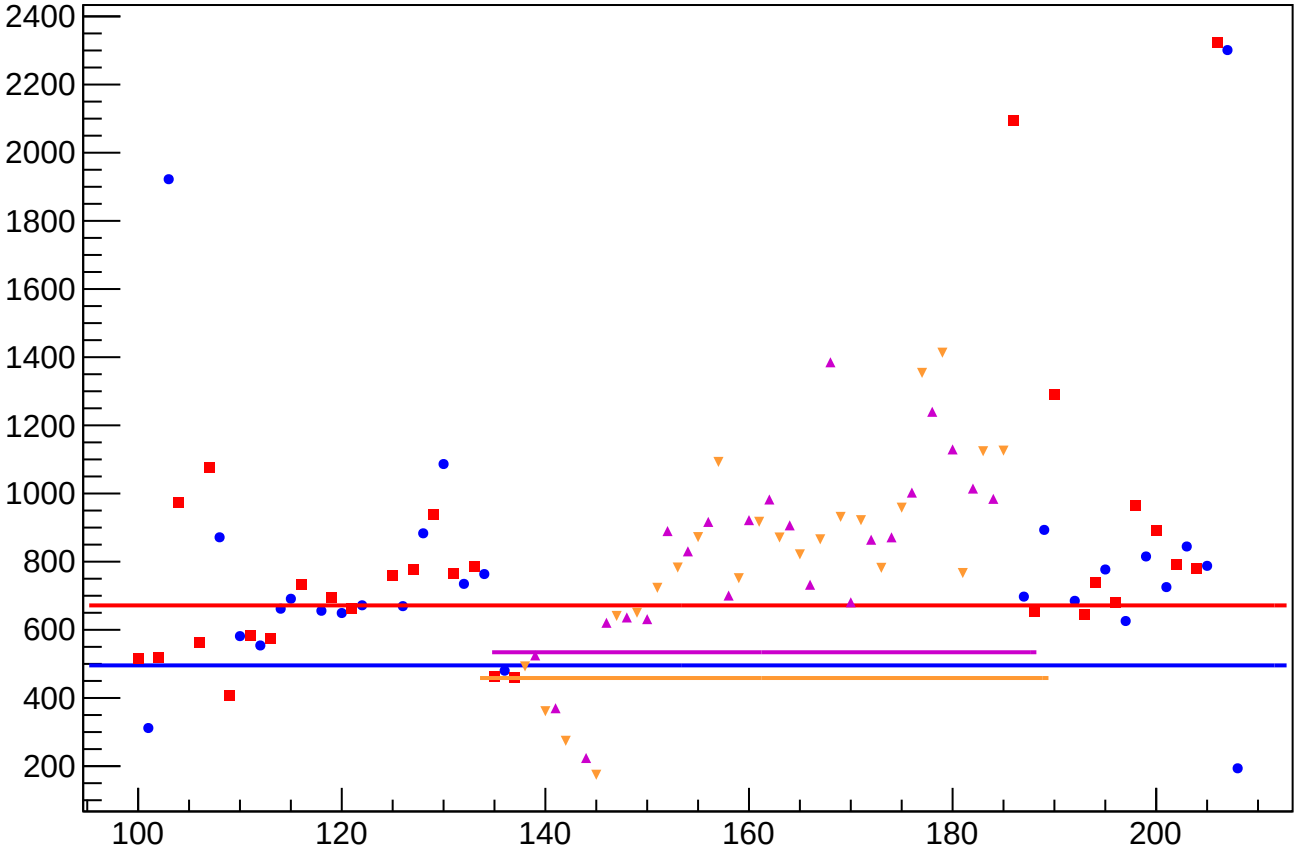
Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

\+ sign 102.371+/-97.766 χ^2/NDF: 49.5/50

All: 66.329+/-73.871 χ^2/NDF: 101.1/102

\- sign 18.376+/-112.771 χ^2/NDF: 51.3/51

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 495.634+/-0.105 χ^2/NDF: 7005983.0/26

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 671.646+/-0.129 χ^2/NDF: 2932663.7/28

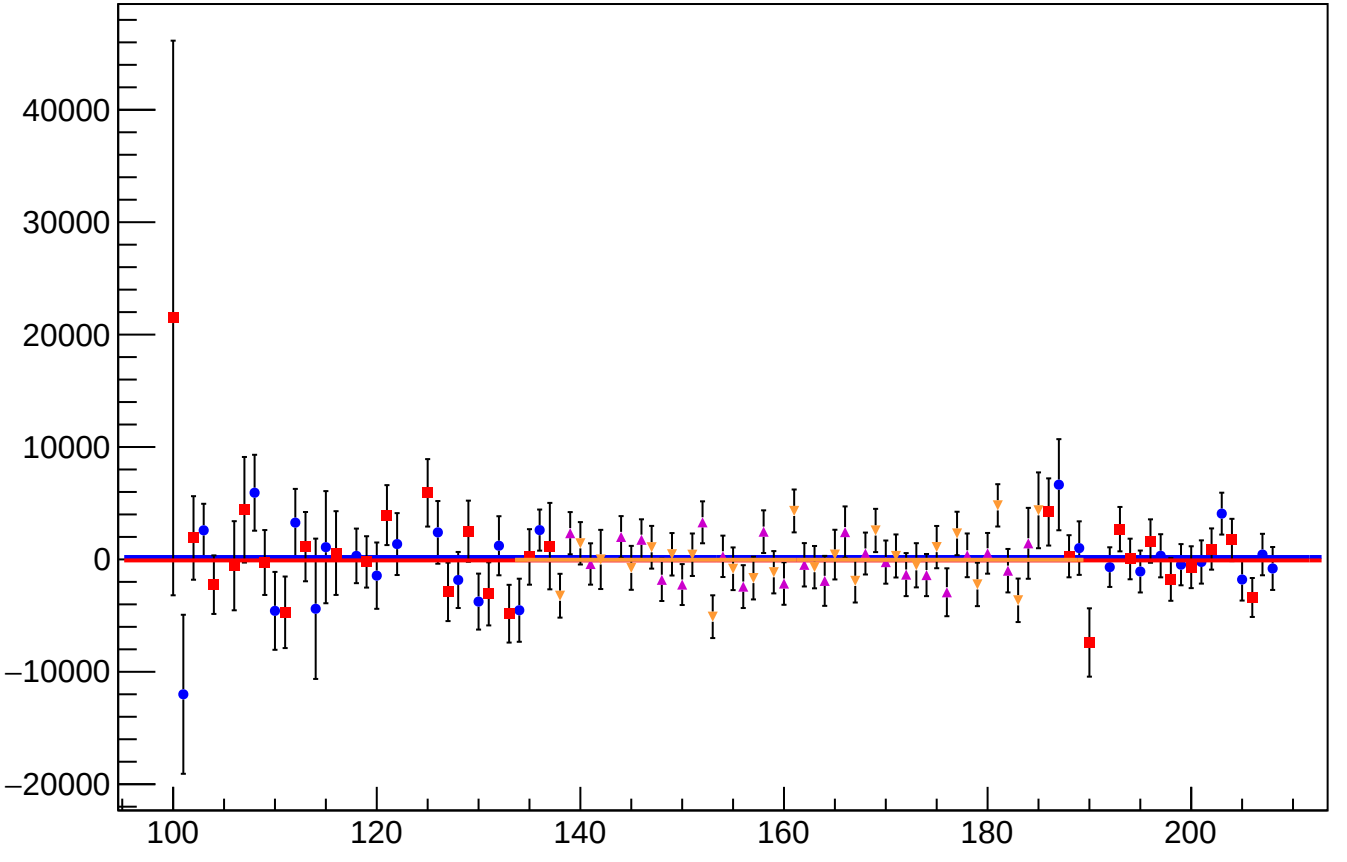
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 474.693+/-0.069 χ^2/NDF: 18503326.1/50

All: 522.676+/-0.052 χ^2/NDF: 31702969.0/10

- sign 586.518+/-0.080 χ^2/NDF: 12076905.9/51

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 211.926+/-455.814 χ^2/NDF: 28.7/26

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -88.222+/-457.493 χ^2/NDF: 34.4/28

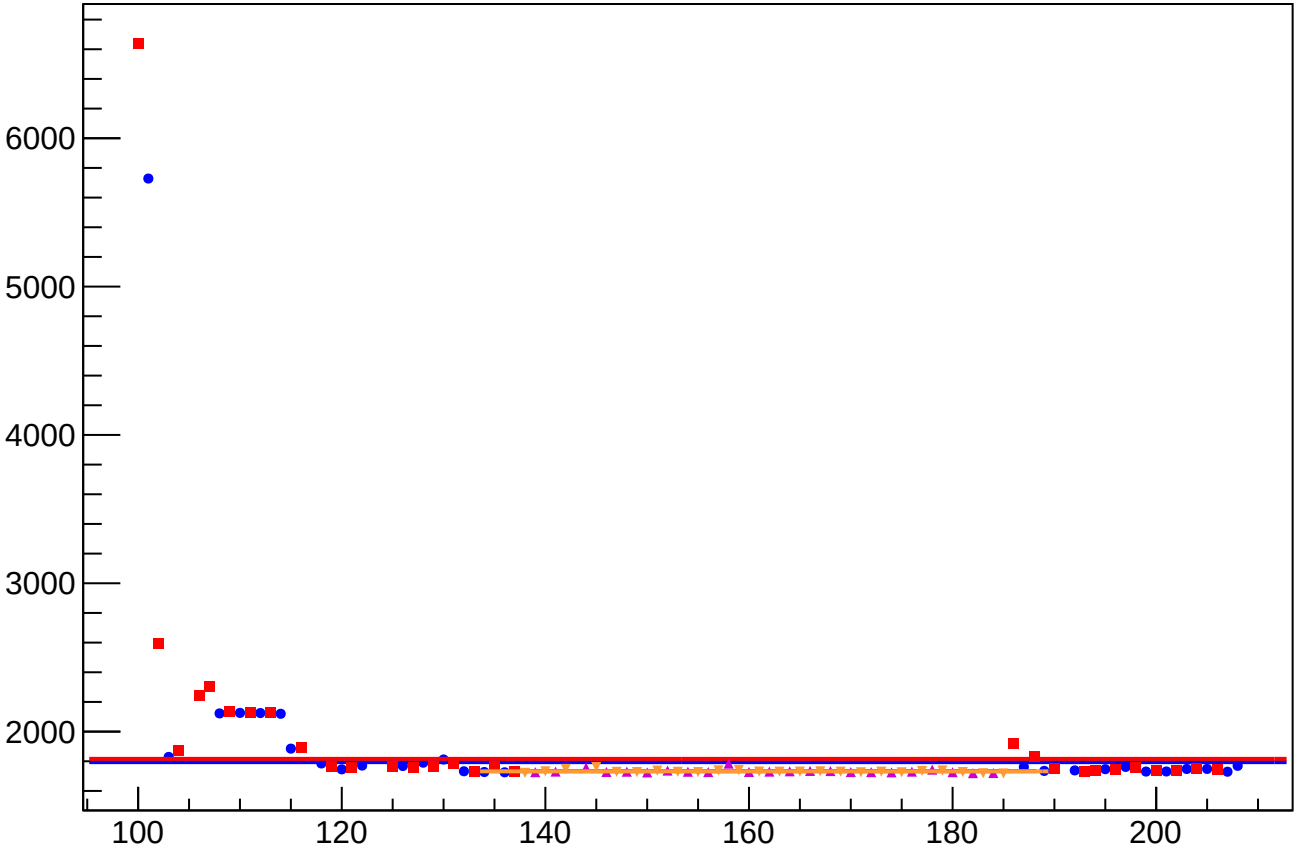
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 73.169+/-301.484 χ^2/NDF: 64.3/50

All: 2.817+/-213.758 χ^2/NDF: 118.2/102

- sign -68.302+/-303.122 χ^2/NDF: 53.8/51

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1794.206+/-0.322 χ^2/NDF: 707715.8/26

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

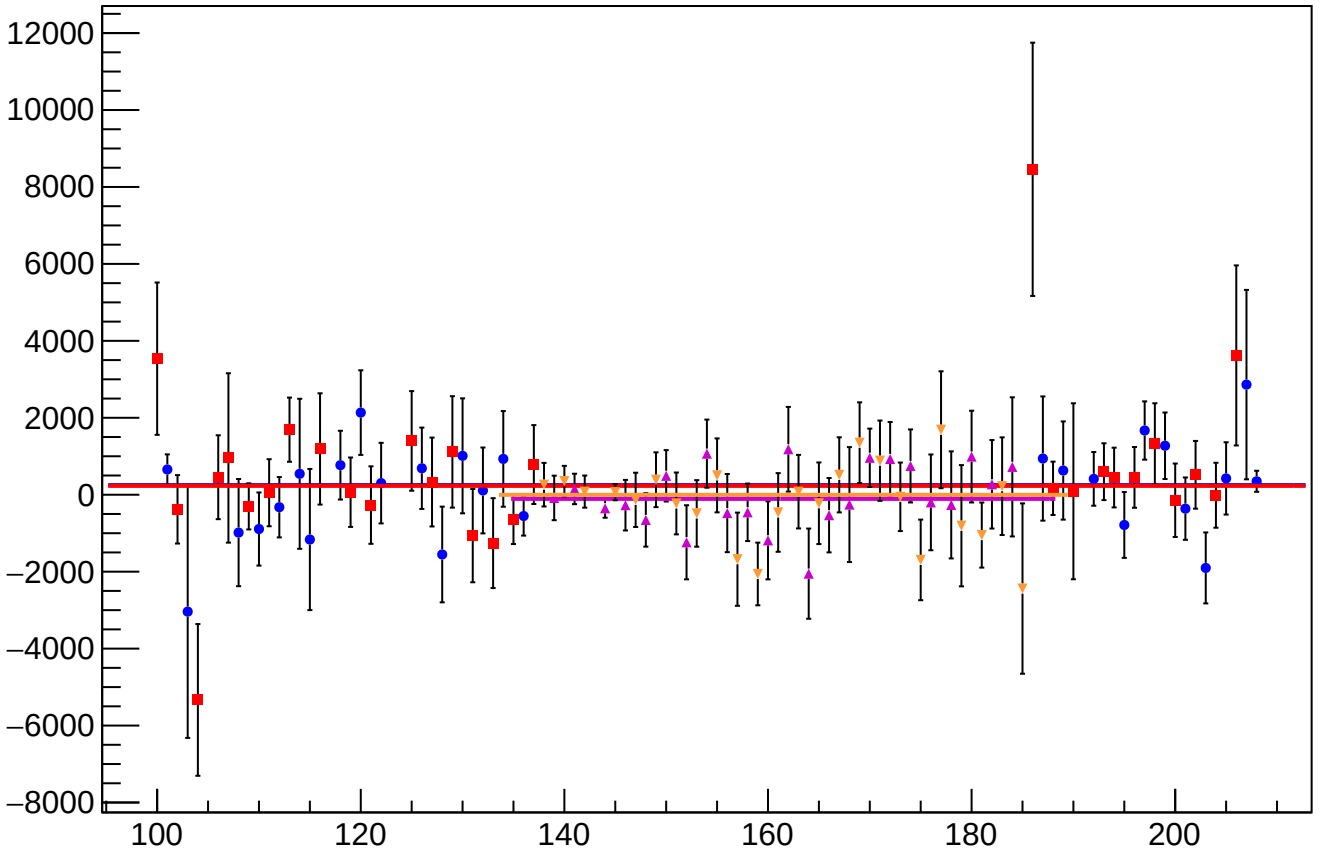
Right Out: 1816.260+/-0.323 χ^2/NDF: 312804.9/28

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1759.206+/-0.213 χ^2/NDF: 729617.0/50

All: 1764.438+/-0.151 χ^2/NDF: 1082745.2/10

- sign 1769.728+/-0.214 χ^2/NDF: 351916.6/51



Right In: 249.122+/-148.230 χ^2/NDF: 28.1/26

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: 230.890+/-182.716 χ^2/NDF: 32.2/28

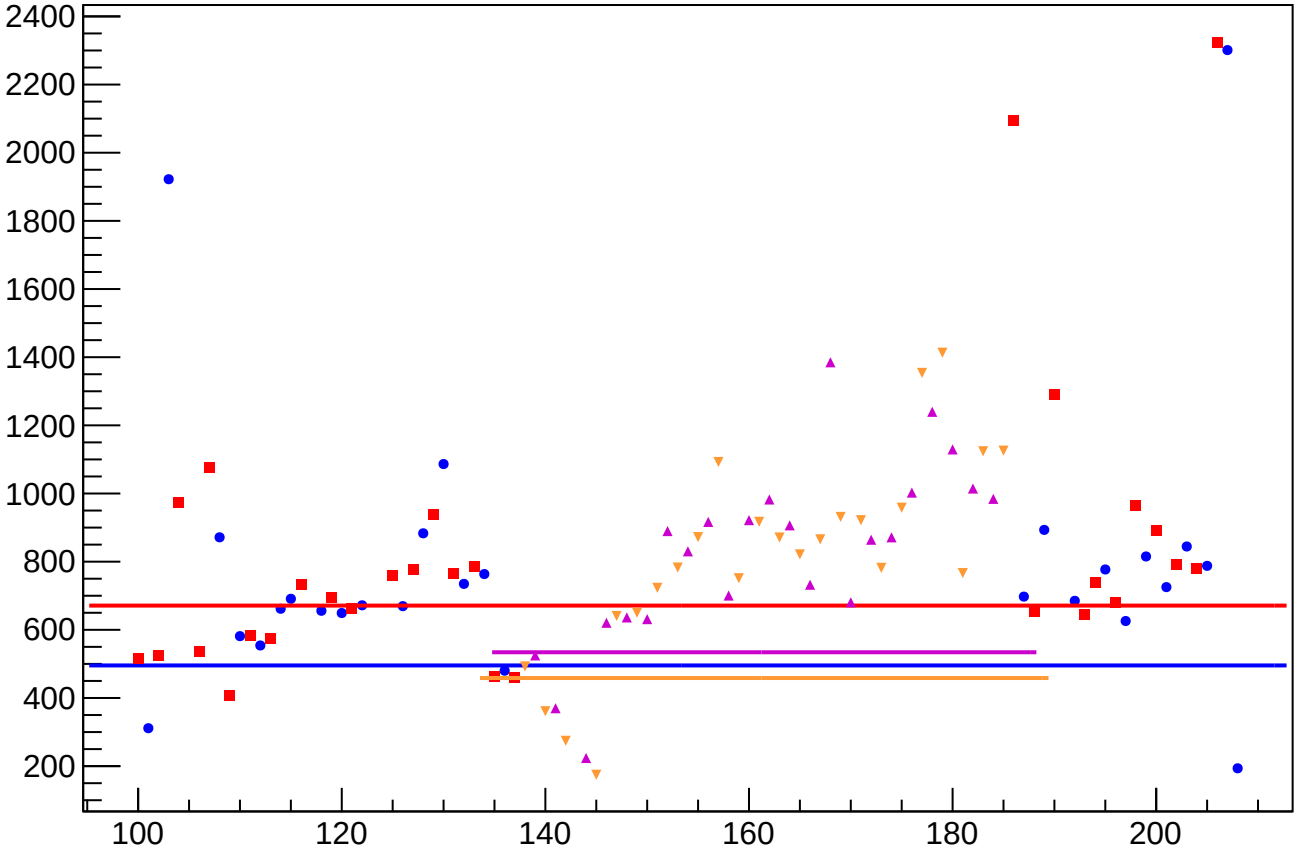
Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 106.930+/-97.760 χ^2/NDF: 50.0/50

All: 69.998+/-73.867 χ^2/NDF: 101.6/102

- sign 20.858+/-112.766 χ^2/NDF: 51.3/51

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 495.496+/-0.105 χ^2/NDF: 7009726.1/26

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

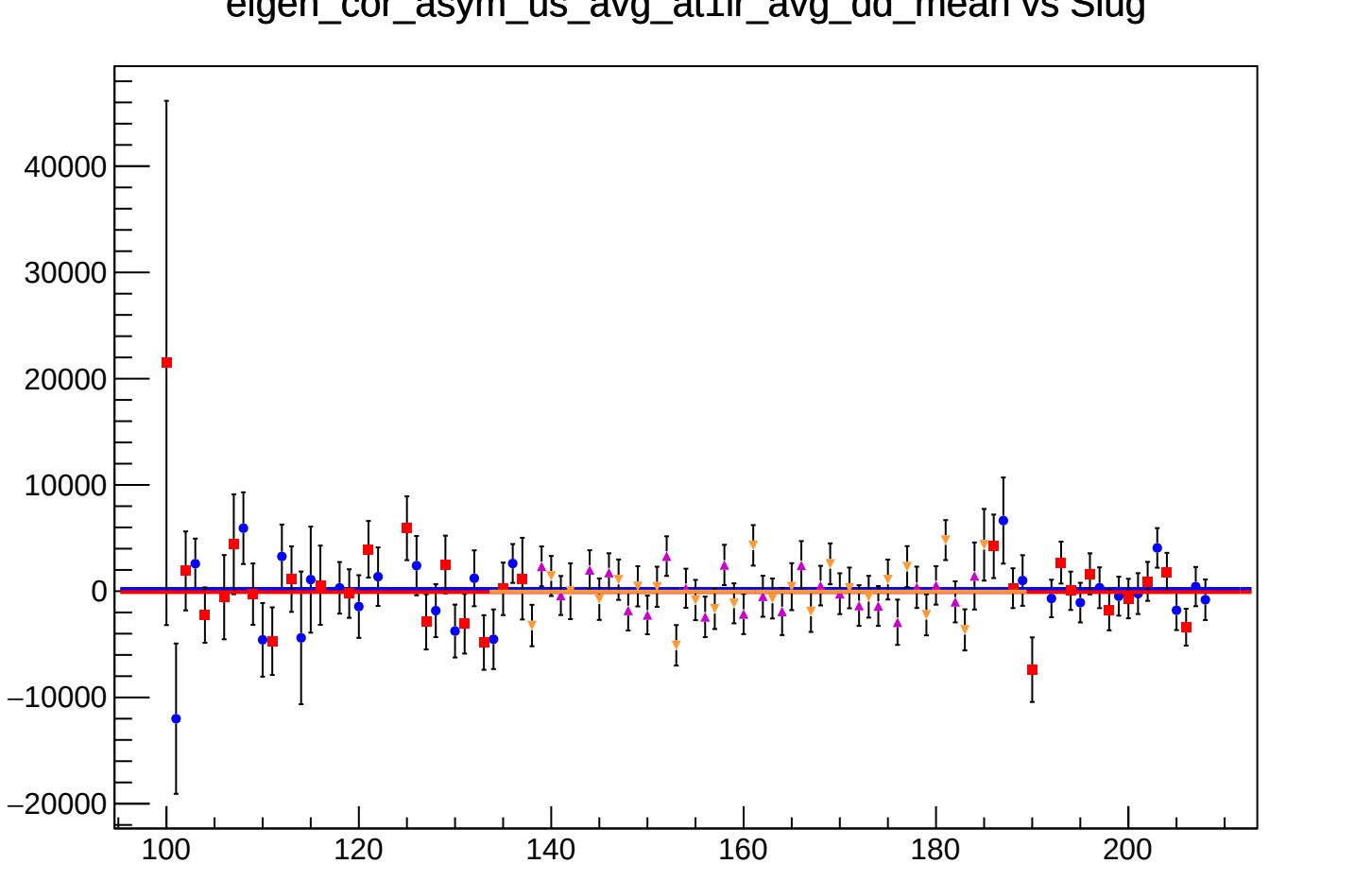
Right Out: 671.119+/-0.129 χ^2/NDF: 2939041.6/28

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

\+ sign 474.642+/-0.069 χ^2/NDF: 18506099.7/50

All: 522.566+/-0.052 χ^2/NDF: 31703705.2/10

\- sign 586.331+/-0.080 χ^2/NDF: 12077468.7/51



Right In: 211.926+/-455.814 χ^2/NDF: 28.7/26

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -88.222+/-457.493 χ^2/NDF: 34.4/28

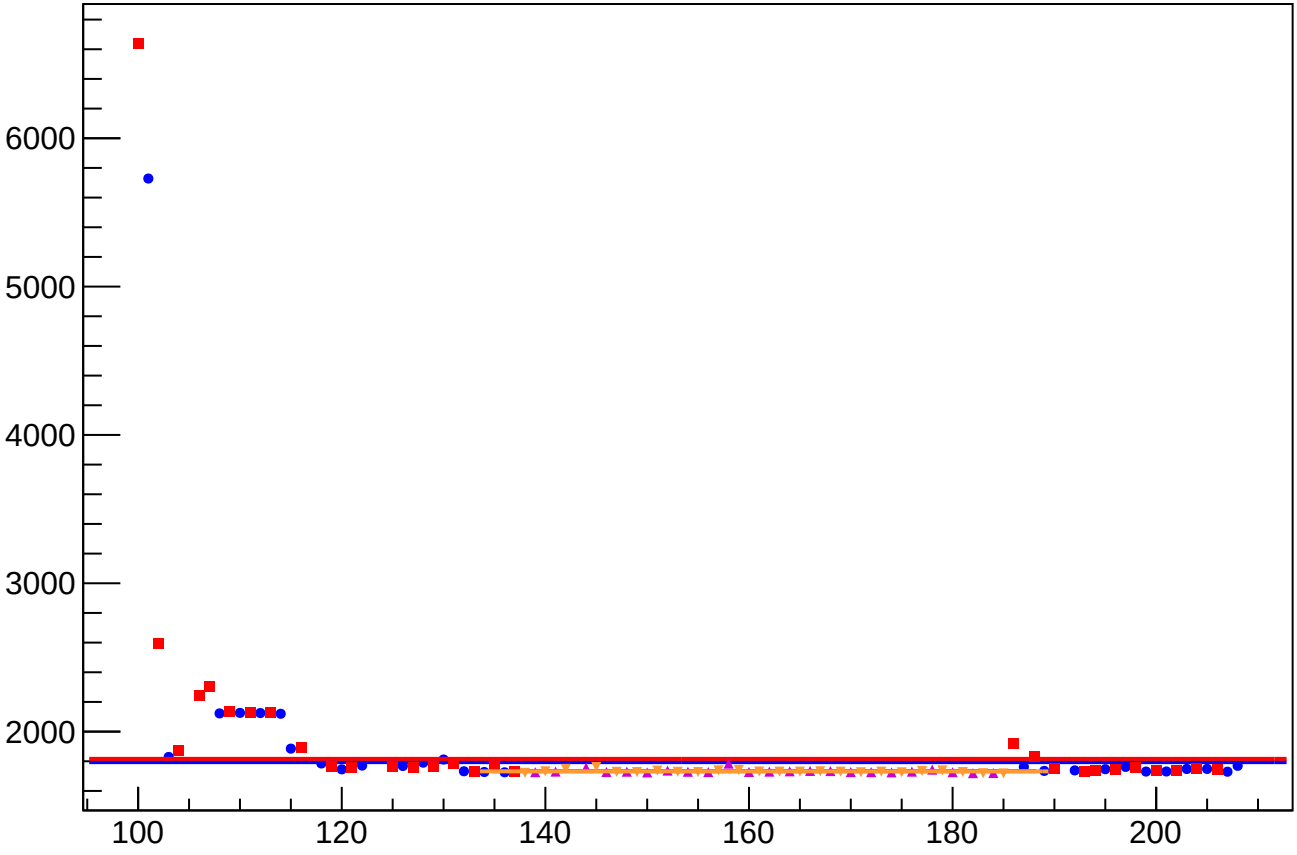
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 73.169+/-301.484 χ^2/NDF: 64.3/50

All: 2.817+/-213.758 χ^2/NDF: 118.2/102

- sign -68.302+/-303.122 χ^2/NDF: 53.8/51

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1794.206+/-0.322 χ^2/NDF: 707715.8/26

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

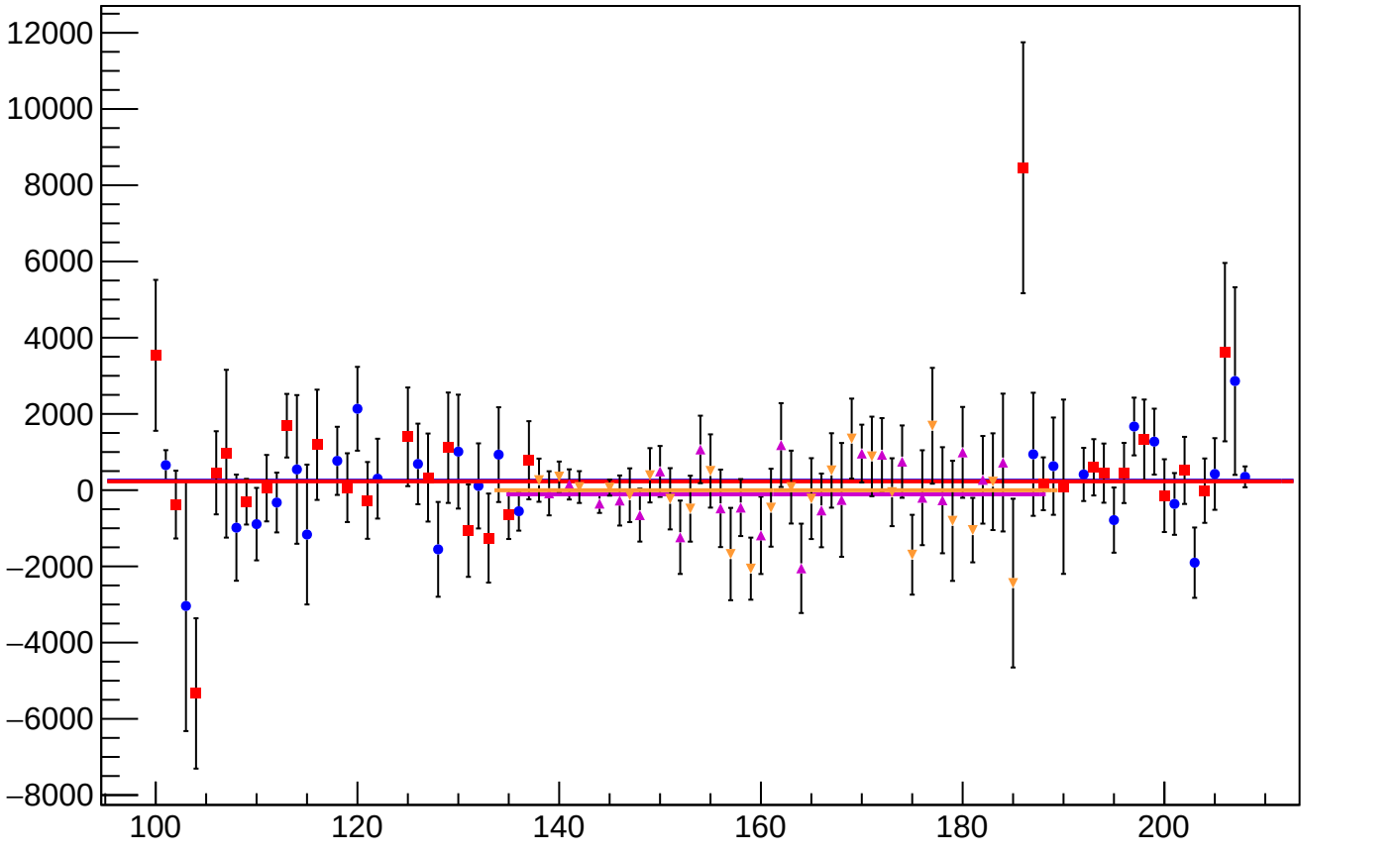
Right Out: 1816.260+/-0.323 χ^2/NDF: 312804.9/28

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1759.206+/-0.213 χ^2/NDF: 729617.0/50

All: 1764.438+/-0.151 χ^2/NDF: 1082745.2/10

- sign 1769.728+/-0.214 χ^2/NDF: 351916.6/51



Right In: 249.122+/-148.230 χ^2/NDF: 28.1/26

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

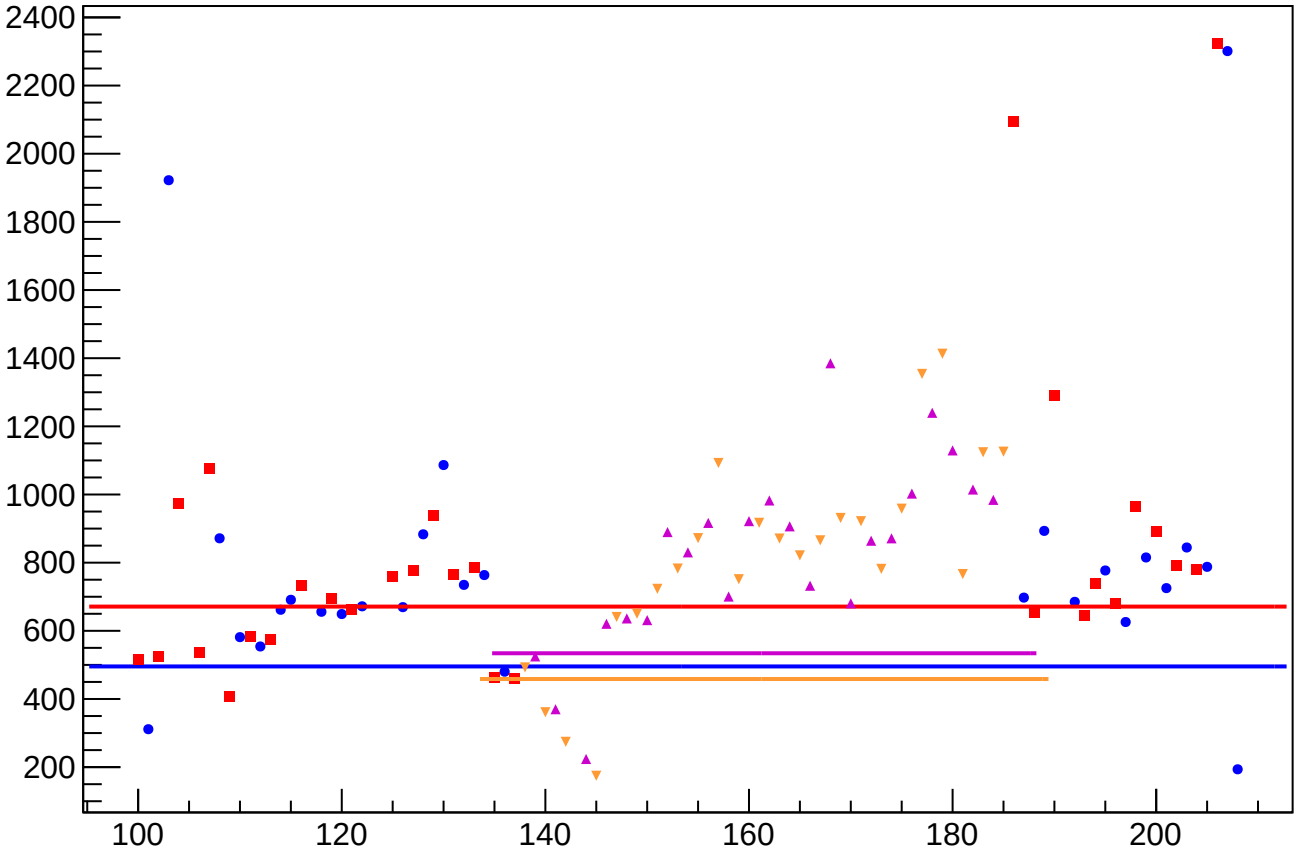
Right Out: 230.890+/-182.716 χ^2/NDF: 32.2/28

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 106.930+/-97.760 χ^2/NDF: 50.0/50

All: 69.998+/-73.867 χ^2/NDF: 101.6/102

- sign 20.858+/-112.766 χ^2/NDF: 51.3/51



Right In: 495.496+/-0.105 χ^2/NDF: 7009726.1/26

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 671.119+/-0.129 χ^2/NDF: 2939041.6/28

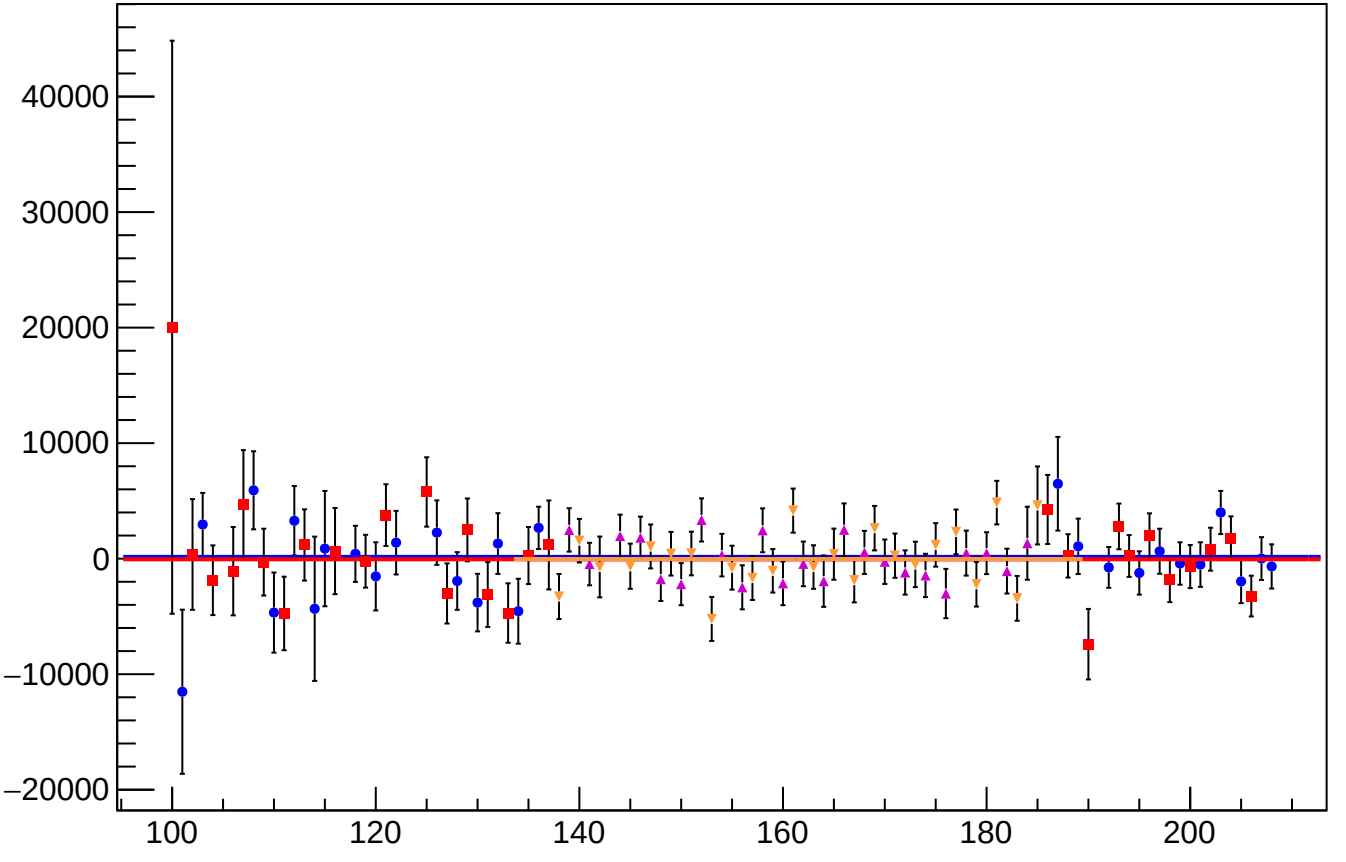
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 474.642+/-0.069 χ^2/NDF: 18506099.7/50

All: 522.566+/-0.052 χ^2/NDF: 31703705.2/10

- sign 586.331+/-0.080 χ^2/NDF: 12077468.7/51

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 154.572+/-459.404 χ^2/NDF: 28.8/26

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -54.736+/-462.476 χ^2/NDF: 33.5/28

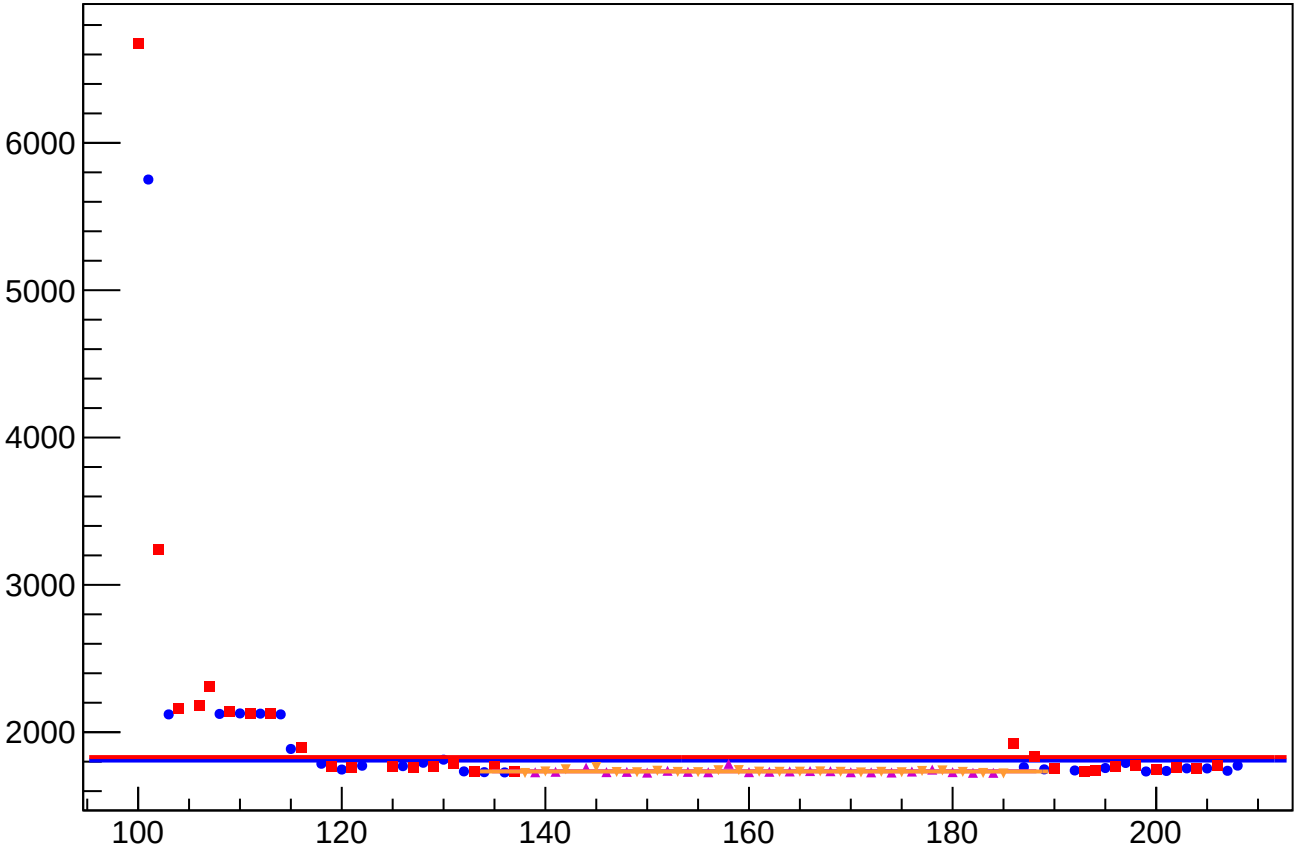
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 50.458+/-302.664 χ^2/NDF: 64.3/50

All: 1.664+/-214.734 χ^2/NDF: 117.8/102

- sign -47.792+/-304.707 χ^2/NDF: 53.4/51

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1807.555+/-0.325 χ^2/NDF: 732735.4/26

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

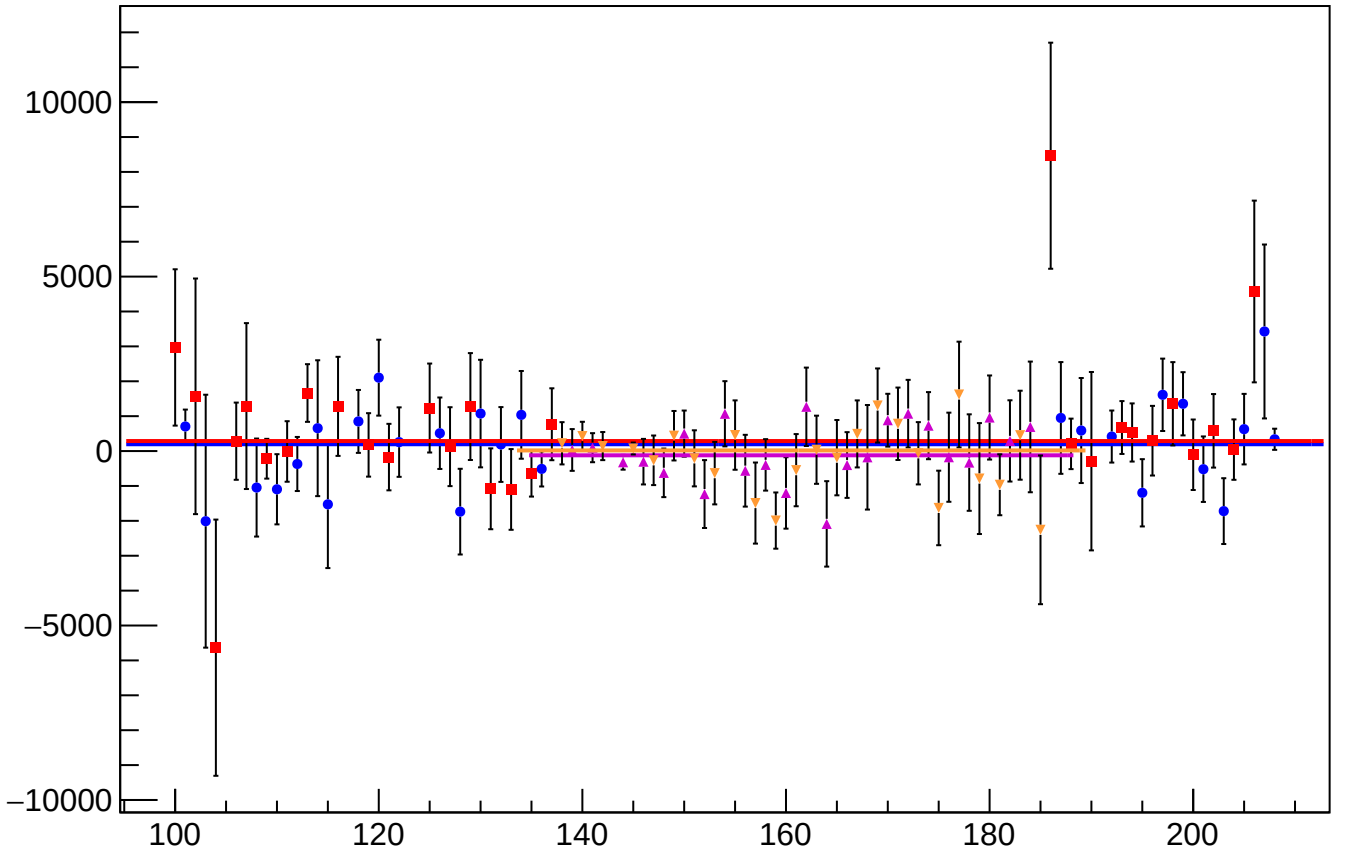
Right Out: 1830.998+/-0.327 χ^2/NDF: 412058.4/28

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1765.631+/-0.214 χ^2/NDF: 763066.2/50

All: 1771.061+/-0.152 χ^2/NDF: 1227556.6/10

- sign 1776.565+/-0.215 χ^2/NDF: 463194.1/51



Right In: 195.372+/-160.584 χ^2/NDF: 27.1/26

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

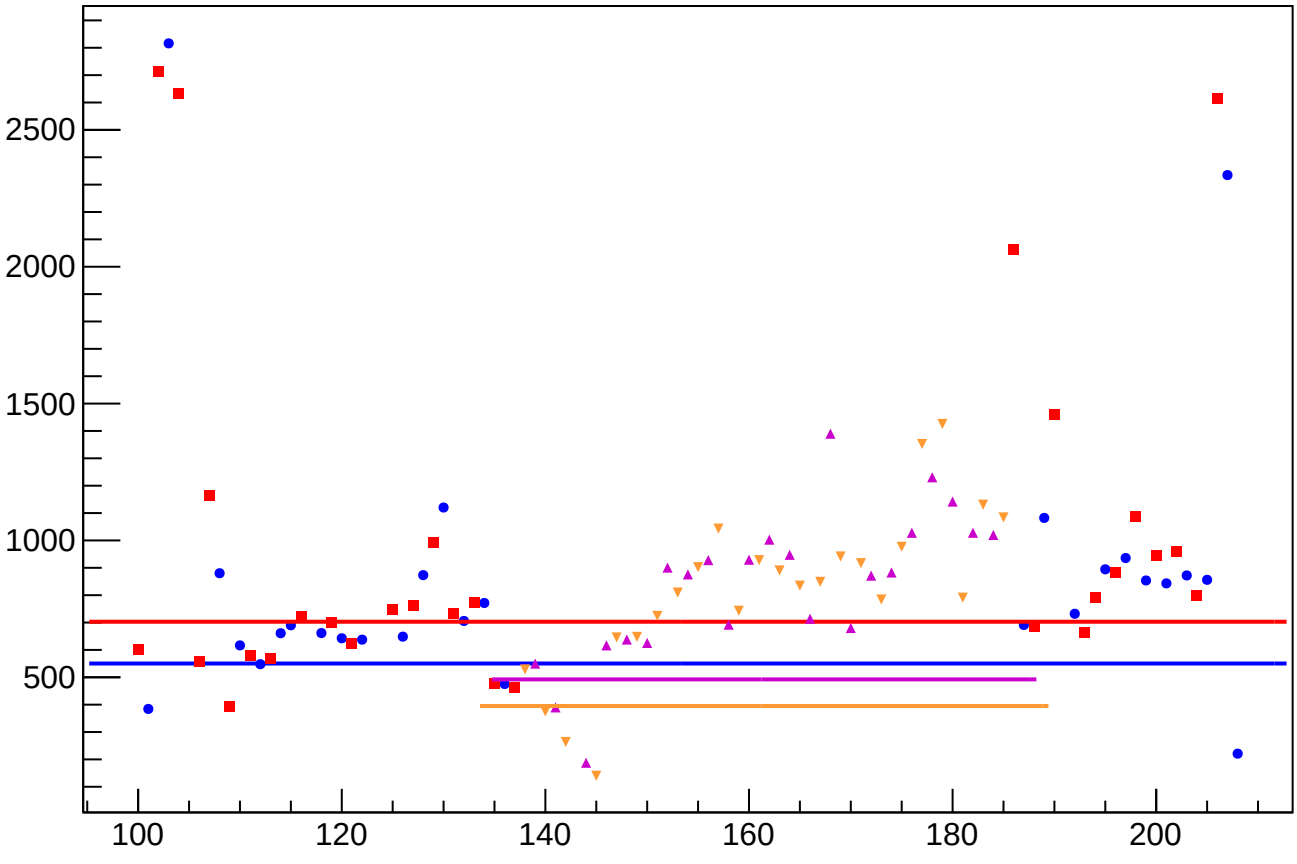
Right Out: 287.057+/-192.653 χ^2/NDF: 25.3/28

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 81.120+/-95.782 χ^2/NDF: 47.3/50

All: 53.442+/-72.719 χ^2/NDF: 92.3/102

- sign 15.779+/-111.729 χ^2/NDF: 44.8/51



Right In: 550.341+/-0.114 χ^2/NDF: 6932111.5/26

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

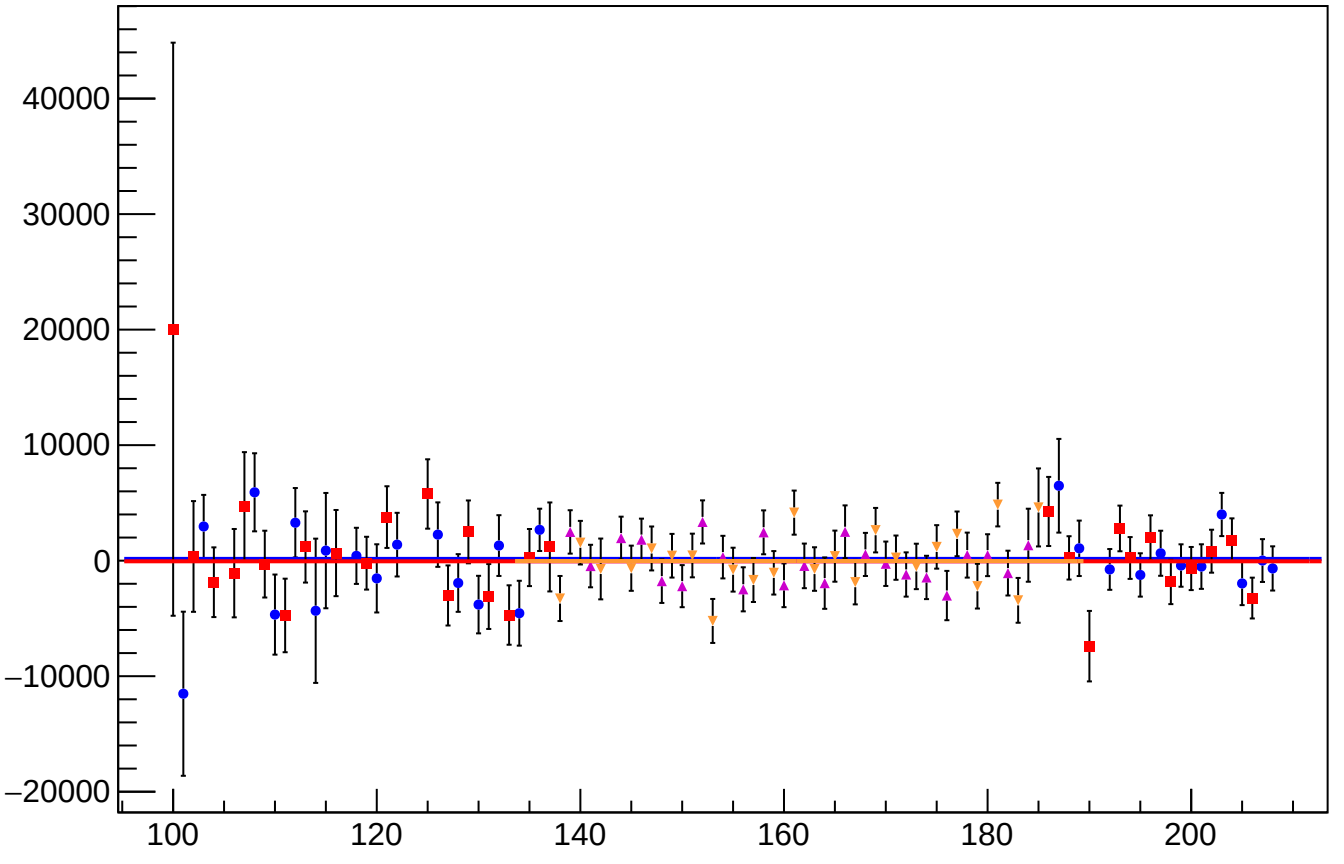
Right Out: 702.993+/-0.136 χ^2/NDF: 4671403.0/28

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 450.386+/-0.068 χ^2/NDF: 22469320.7/50

All: 498.158+/-0.051 χ^2/NDF: 40322329.3/10

- sign 563.161+/-0.079 χ^2/NDF: 16678521.0/51



Right In: 154.574+/-459.404 χ^2/NDF: 28.8/26

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: -54.735+/-462.476 χ^2/NDF: 33.5/28

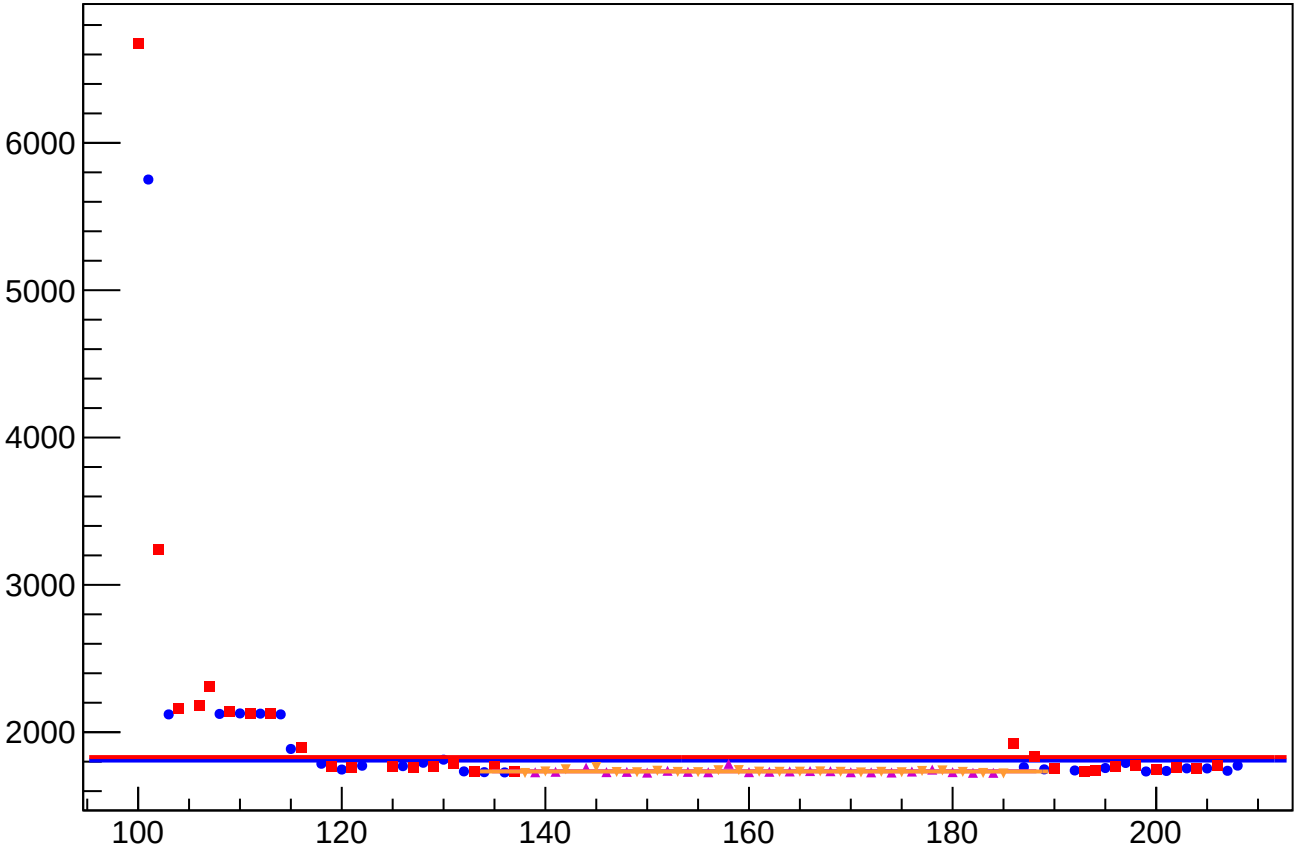
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 50.457+/-302.664 χ^2/NDF: 64.3/50

All: 1.663+/-214.734 χ^2/NDF: 117.8/102

- sign -47.791+/-304.707 χ^2/NDF: 53.4/51

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1807.555+/-0.325 χ^2/NDF: 732735.0/26

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

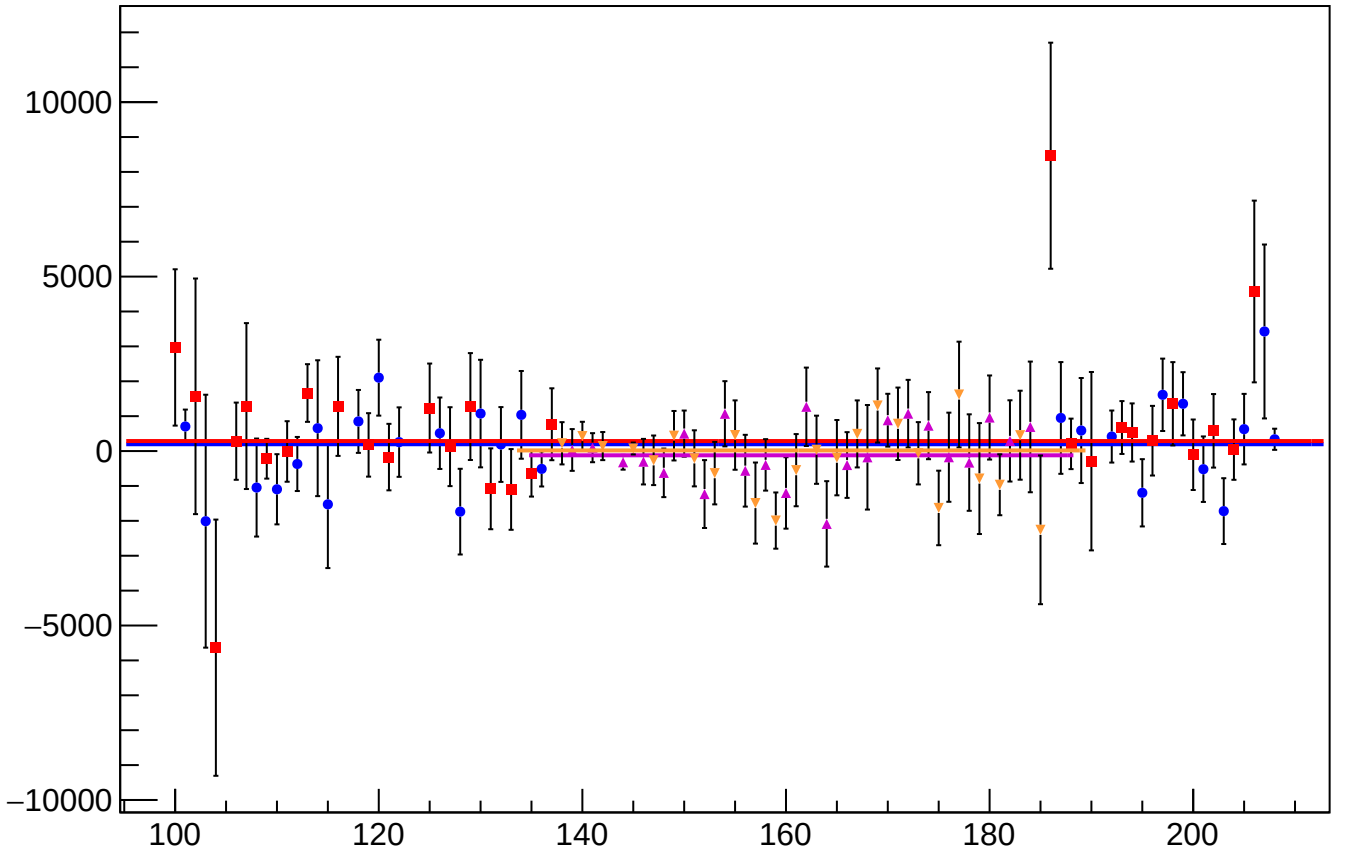
Right Out: 1830.998+/-0.327 χ^2/NDF: 412057.4/28

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1765.631+/-0.214 χ^2/NDF: 763065.8/50

All: 1771.061+/-0.152 χ^2/NDF: 1227555.3/10

- sign 1776.565+/-0.215 χ^2/NDF: 463193.2/51



Right In: 195.371+/-160.583 χ^2/NDF: 27.1/26

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

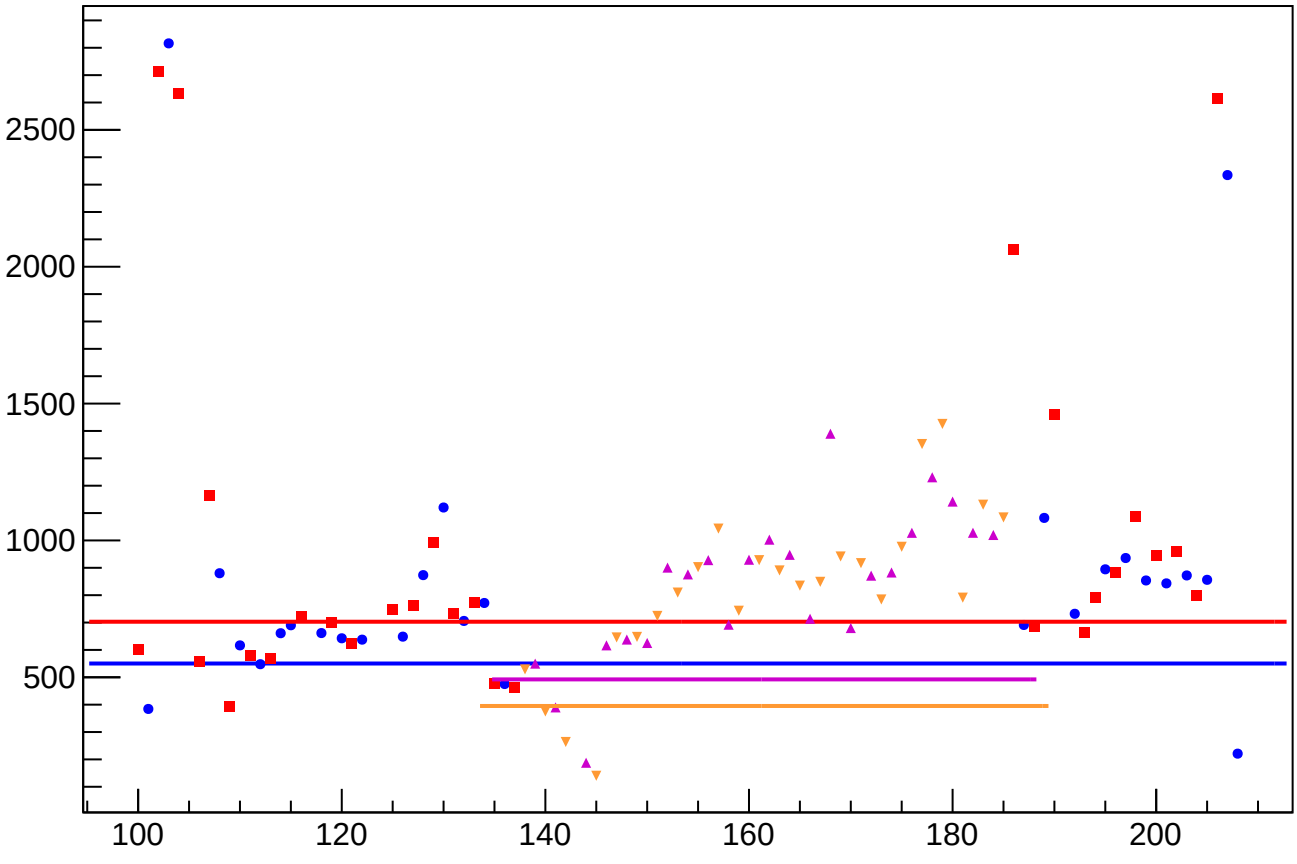
Right Out: 287.054+/-192.652 χ^2/NDF: 25.3/28

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 81.119+/-95.782 χ^2/NDF: 47.3/50

All: 53.441+/-72.718 χ^2/NDF: 92.3/102

- sign 15.779+/-111.729 χ^2/NDF: 44.8/51



Right In: 550.337+/-0.114 χ^2/NDF: 6932192.1/26

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 702.989+/-0.136 χ^2/NDF: 4671456.3/28

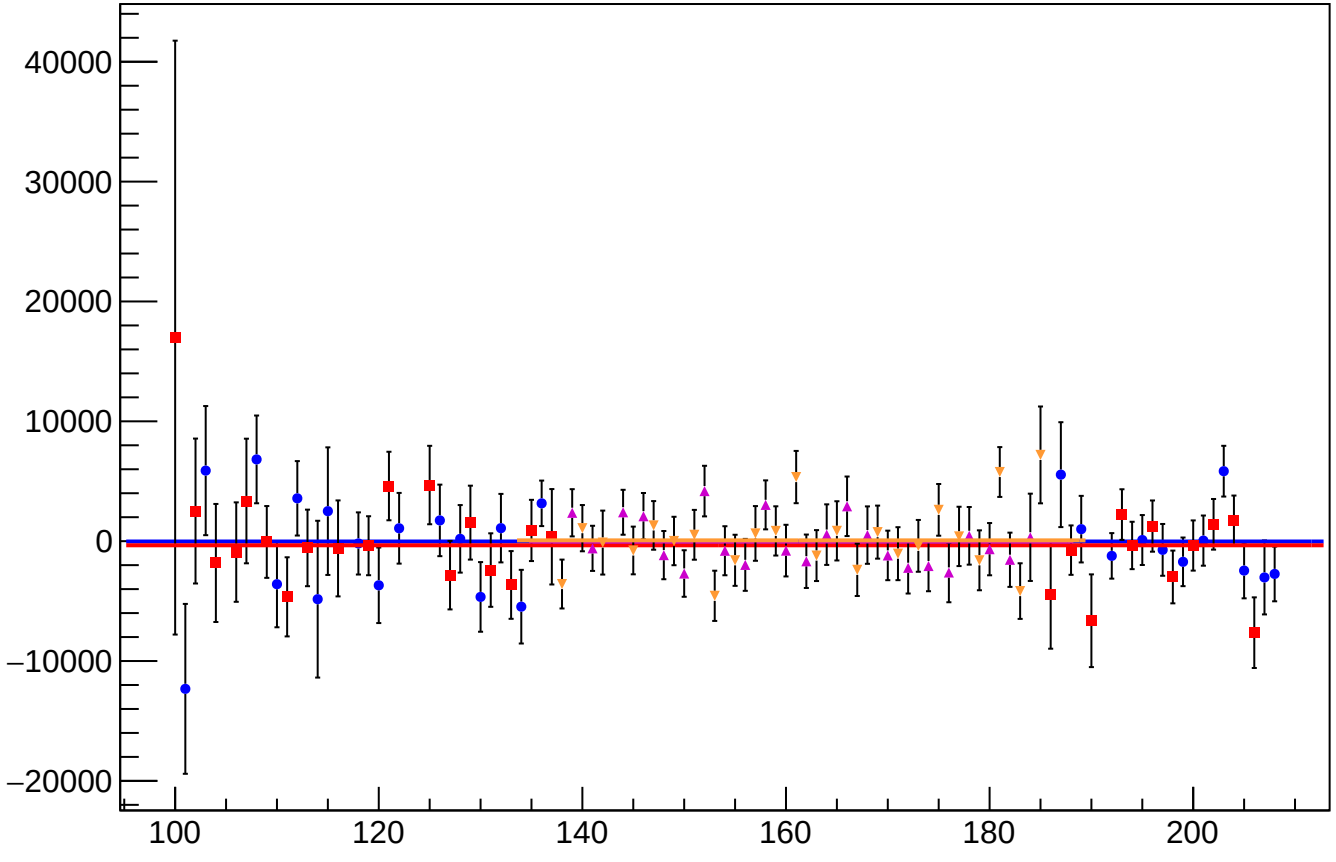
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 450.385+/-0.068 χ^2/NDF: 22469399.1/50

All: 498.157+/-0.051 χ^2/NDF: 40322438.0/10

- sign 563.161+/-0.079 χ^2/NDF: 16678538.5/51

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: -27.538+/-521.504 χ^2/NDF: 35.4/26

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -343.663+/-523.890 χ^2/NDF: 26.5/28

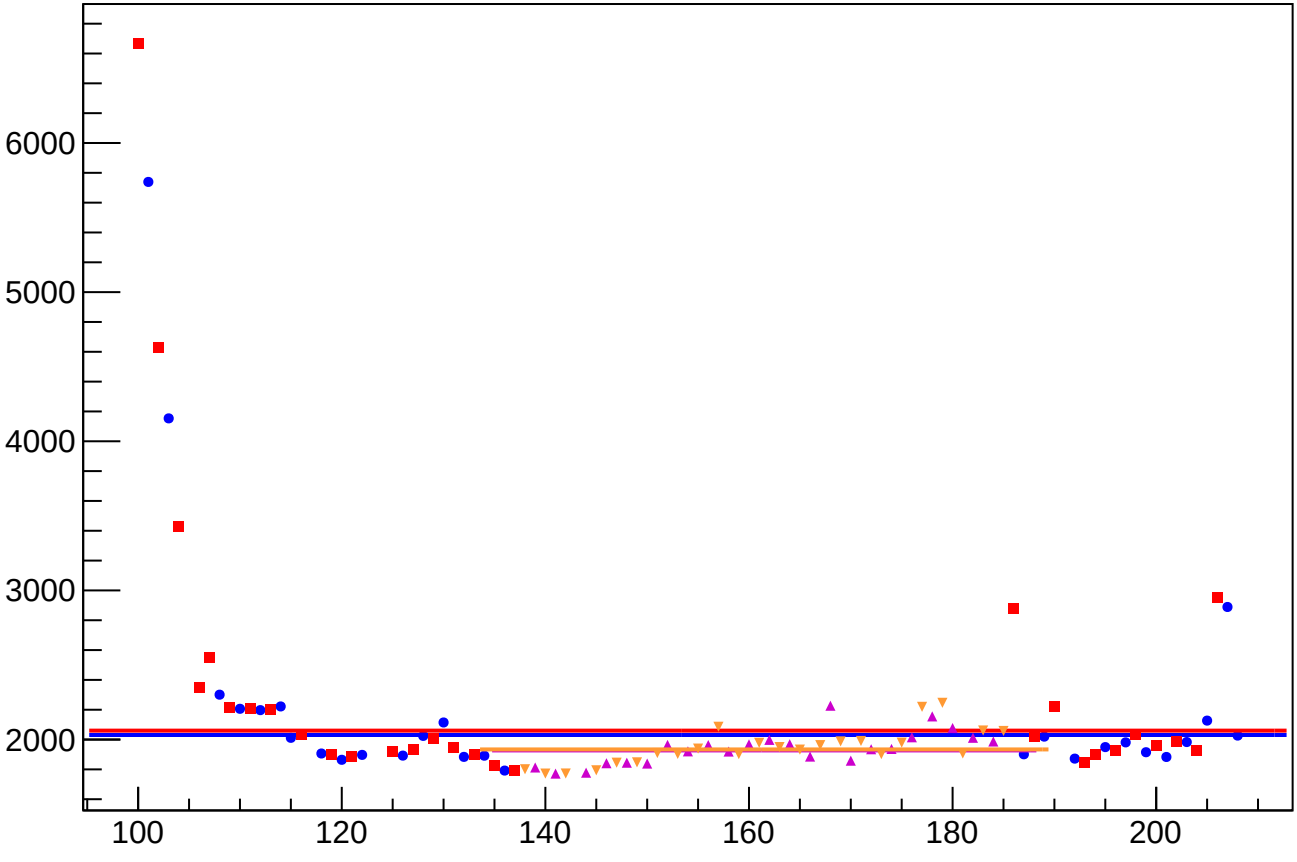
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 26.483+/-340.588 χ^2/NDF: 69.0/50

All: -66.898+/-241.220 χ^2/NDF: 115.8/102

- sign -160.884+/-341.688 χ^2/NDF: 46.6/51

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2030.577+/-0.369 χ^2/NDF: 1138025.7/26

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

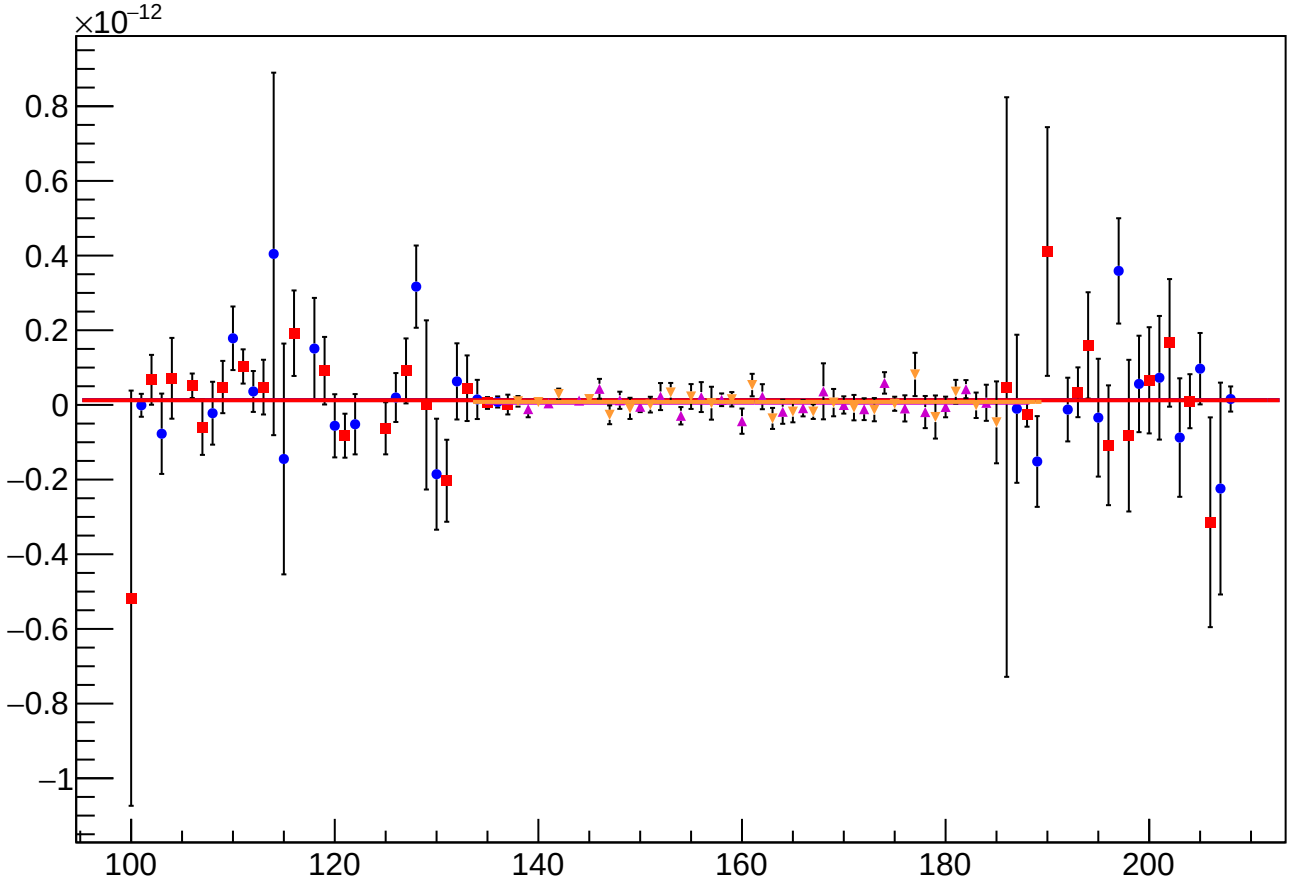
Right Out: 2059.863+/-0.370 χ^2/NDF: 994480.9/28

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1975.080+/-0.241 χ^2/NDF: 1306052.1/50

All: 1979.321+/-0.171 χ^2/NDF: 2491368.0/10

- sign 1983.590+/-0.242 χ^2/NDF: 1184693.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

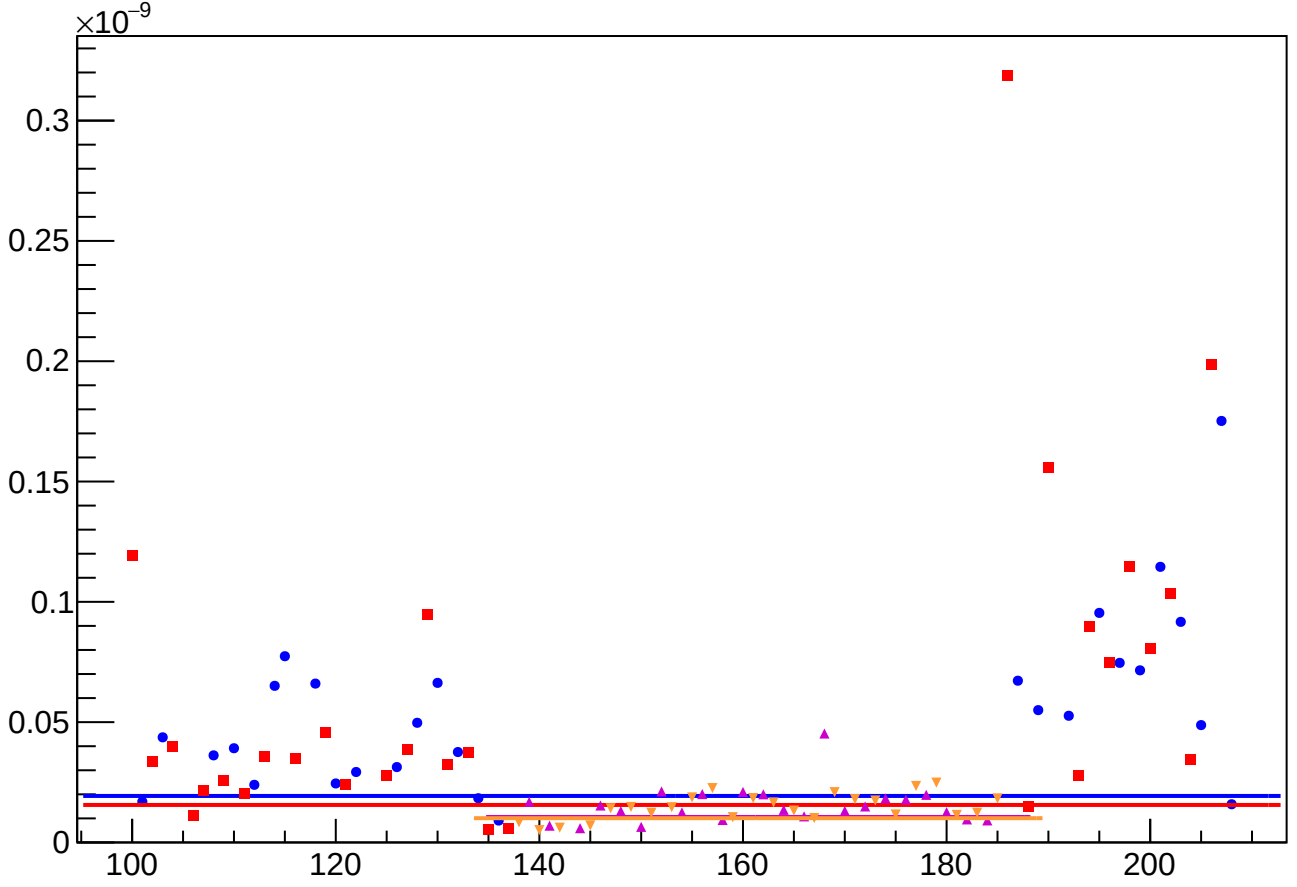
Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/28

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/50

All: 0.000+/-0.000 χ^2/NDF: 90.9/102

- sign 0.000+/-0.000 χ^2/NDF: 45.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 5695314.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

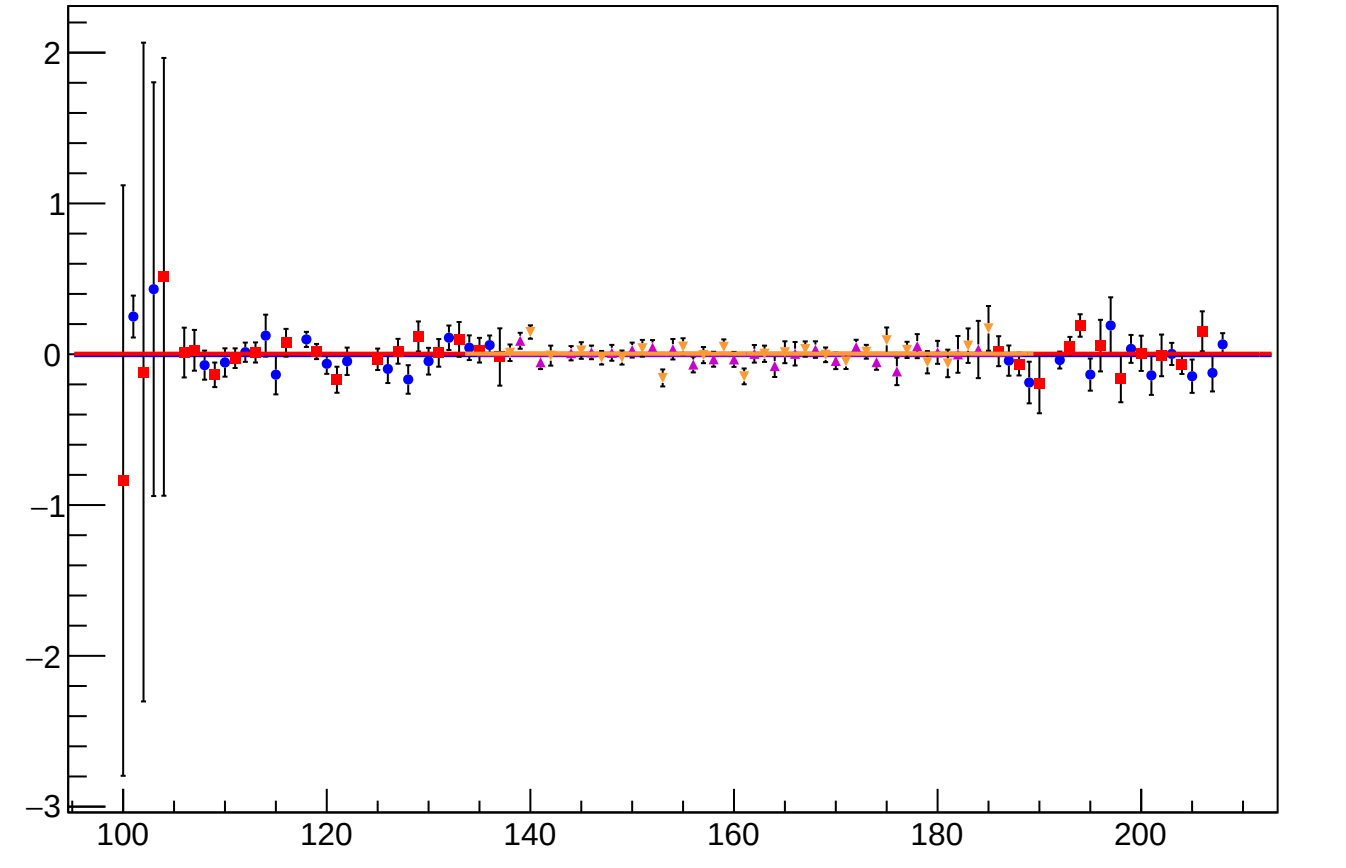
Right Out: 0.000+/-0.000 χ^2/NDF: 6571869.7/28

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9272563.3/50

All: 0.000+/-0.000 χ^2/NDF: 18851159.7/102

- sign 0.000+/-0.000 χ^2/NDF: 9578539.3/51



Right In: -0.006+/-0.017 χ^2/NDF: 28.5/26

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

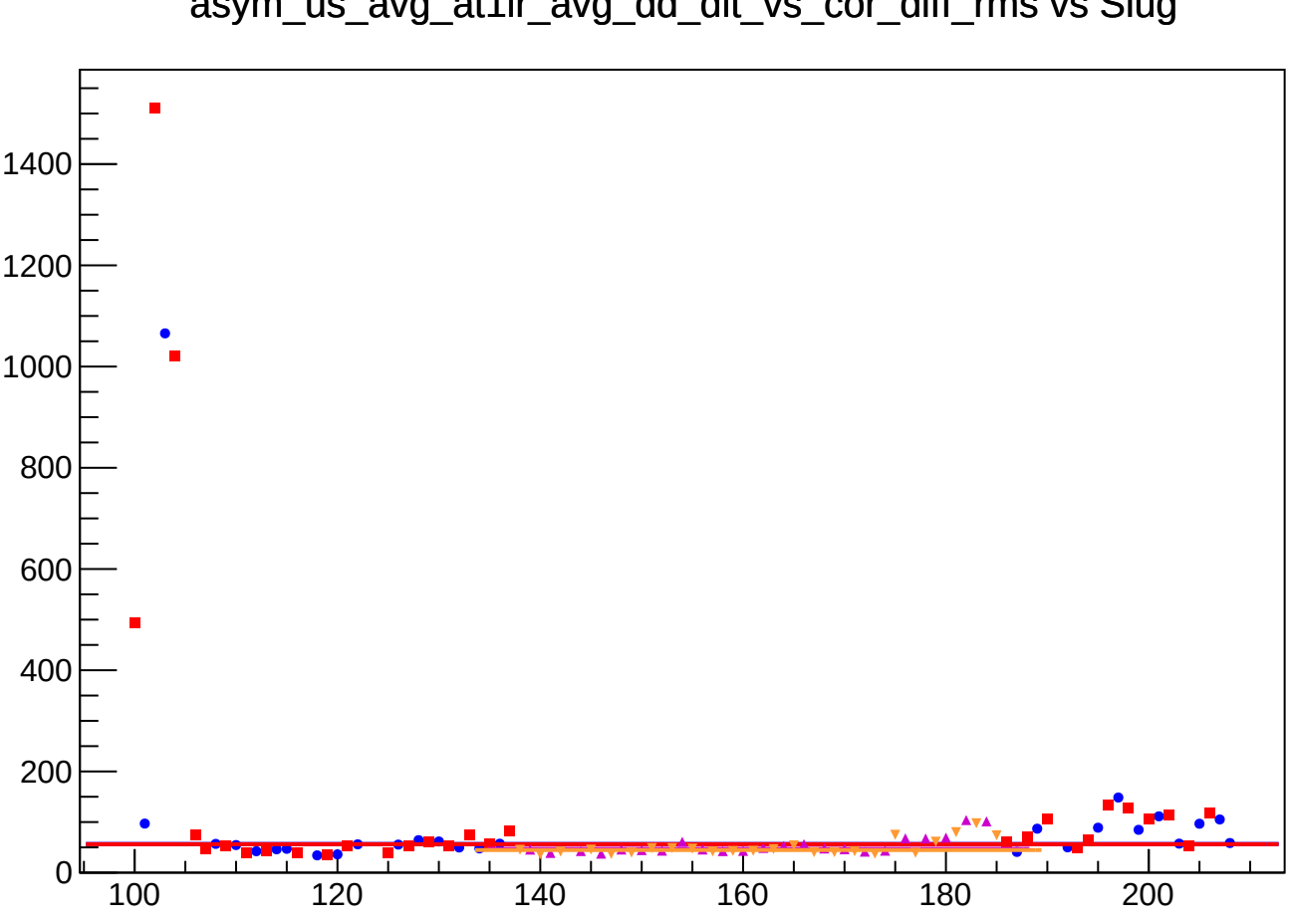
Right Out: 0.004+/-0.017 χ^2/NDF: 23.2/28

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.009 χ^2/NDF: 63.8/50

All: 0.000+/-0.007 χ^2/NDF: 101.6/102

- sign -0.001+/-0.010 χ^2/NDF: 37.8/51



Right In: 56.720+/-0.012 χ^2/NDF: 3974549.9/26

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 56.274+/-0.012 χ^2/NDF: 4964707.3/28

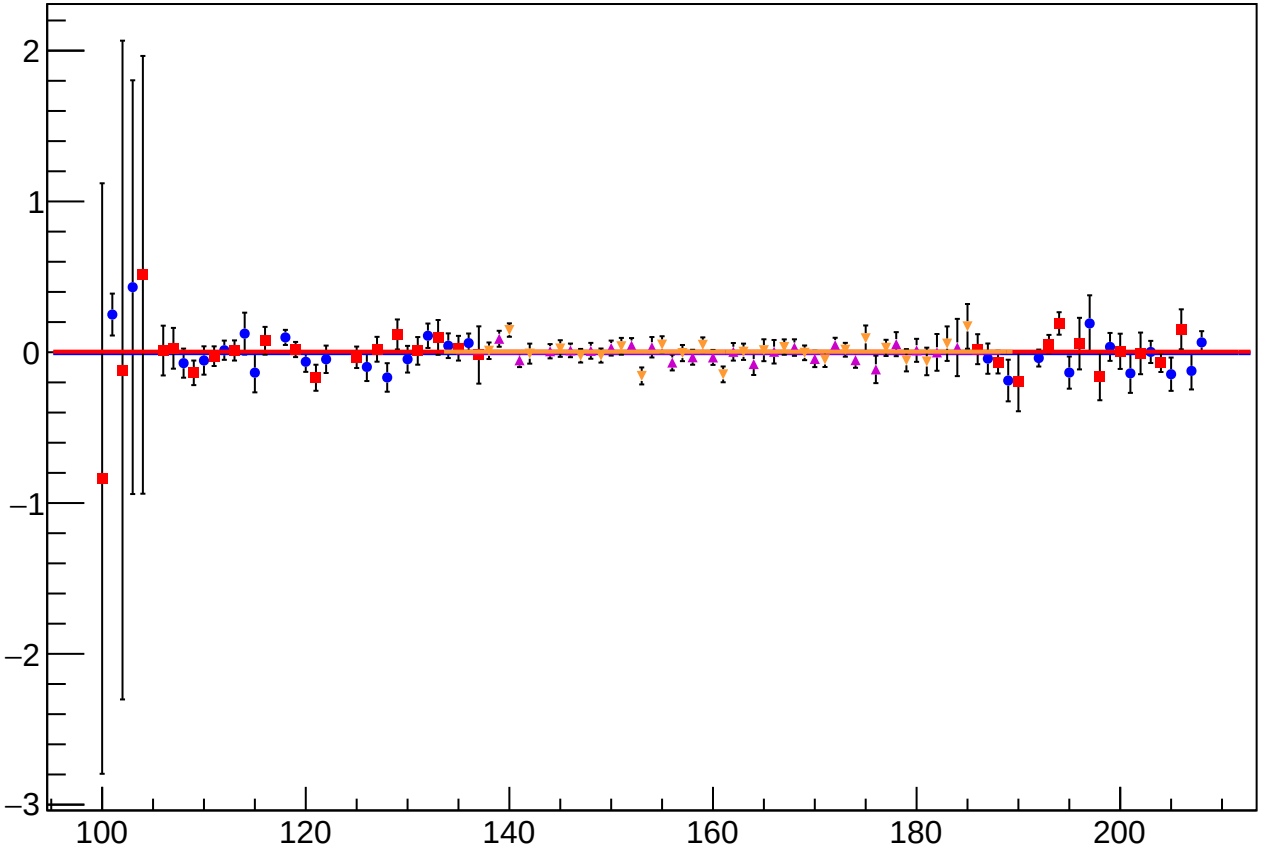
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 48.568+/-0.007 χ^2/NDF: 6150440.5/50

All: 49.294+/-0.005 χ^2/NDF: 12915692.2/102

- sign 50.067+/-0.007 χ^2/NDF: 6741060.2/51

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.017 χ^2/NDF: 28.5/26

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

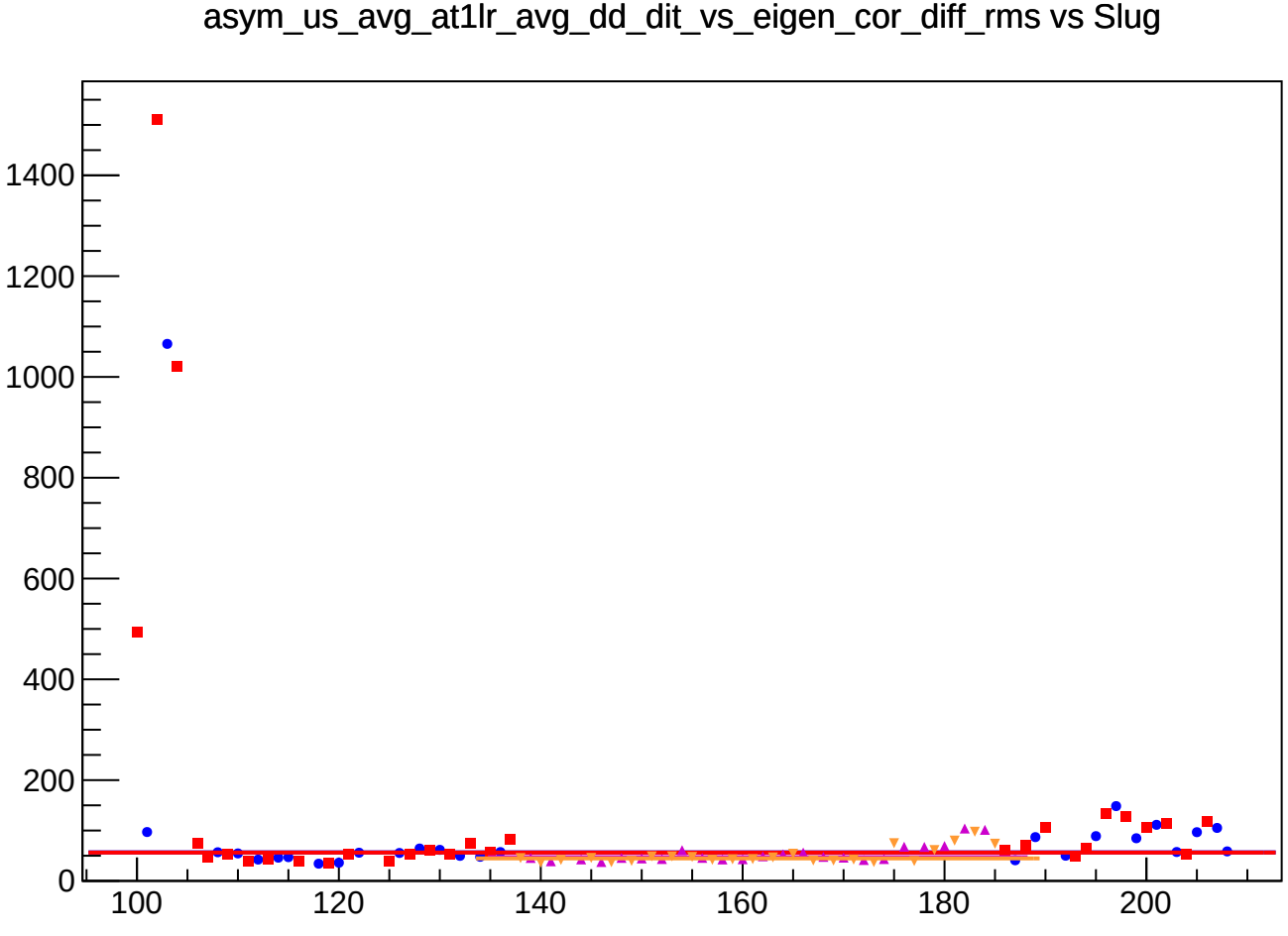
Right Out: 0.004+/-0.017 χ^2/NDF: 23.2/28

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.009 χ^2/NDF: 63.8/50

All: 0.000+/-0.007 χ^2/NDF: 101.6/102

- sign -0.001+/-0.010 χ^2/NDF: 37.8/51



Right In: 56.720+/-0.012 χ^2/NDF: 3974549.9/26

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

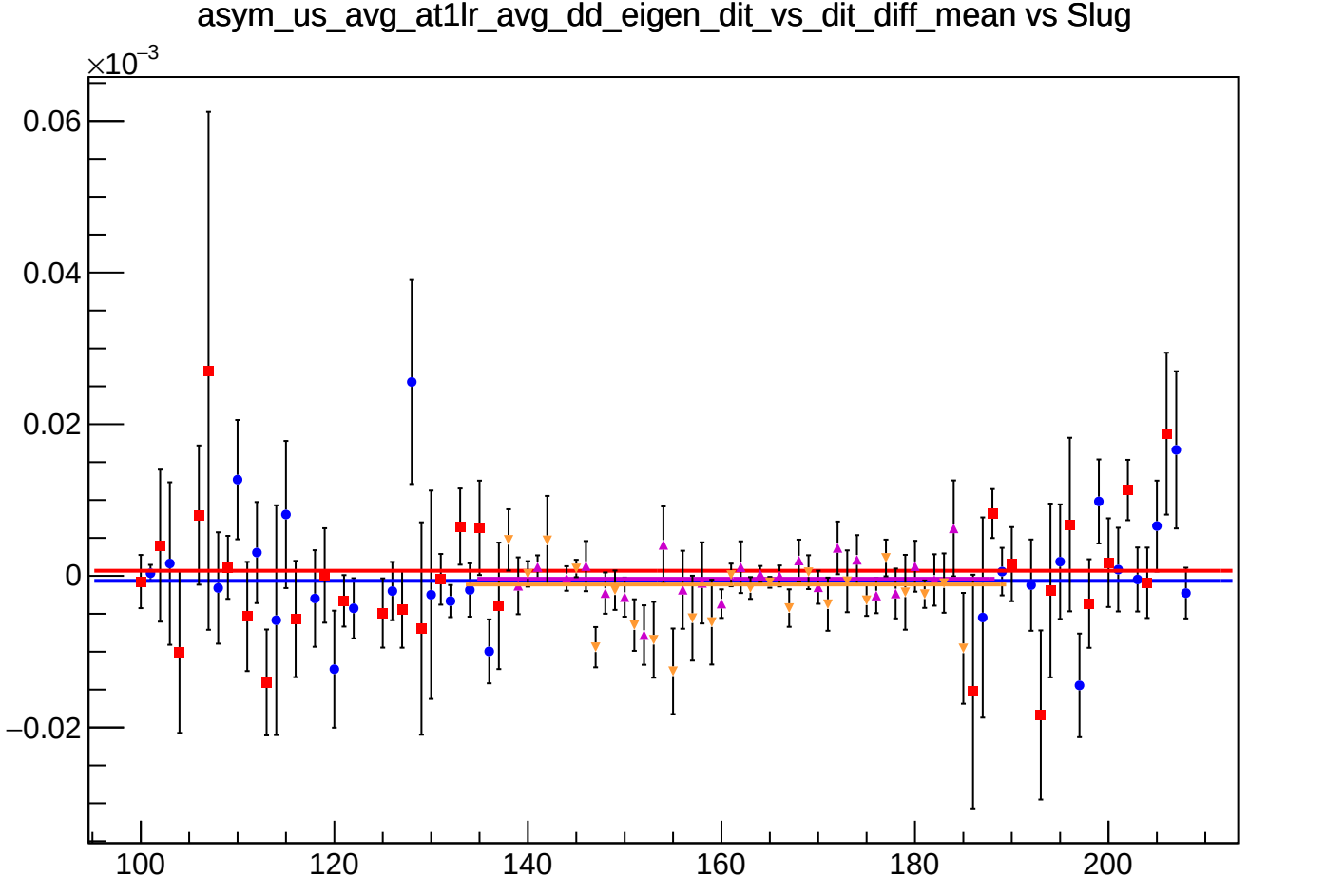
Right Out: 56.274+/-0.012 χ^2/NDF: 4964707.3/28

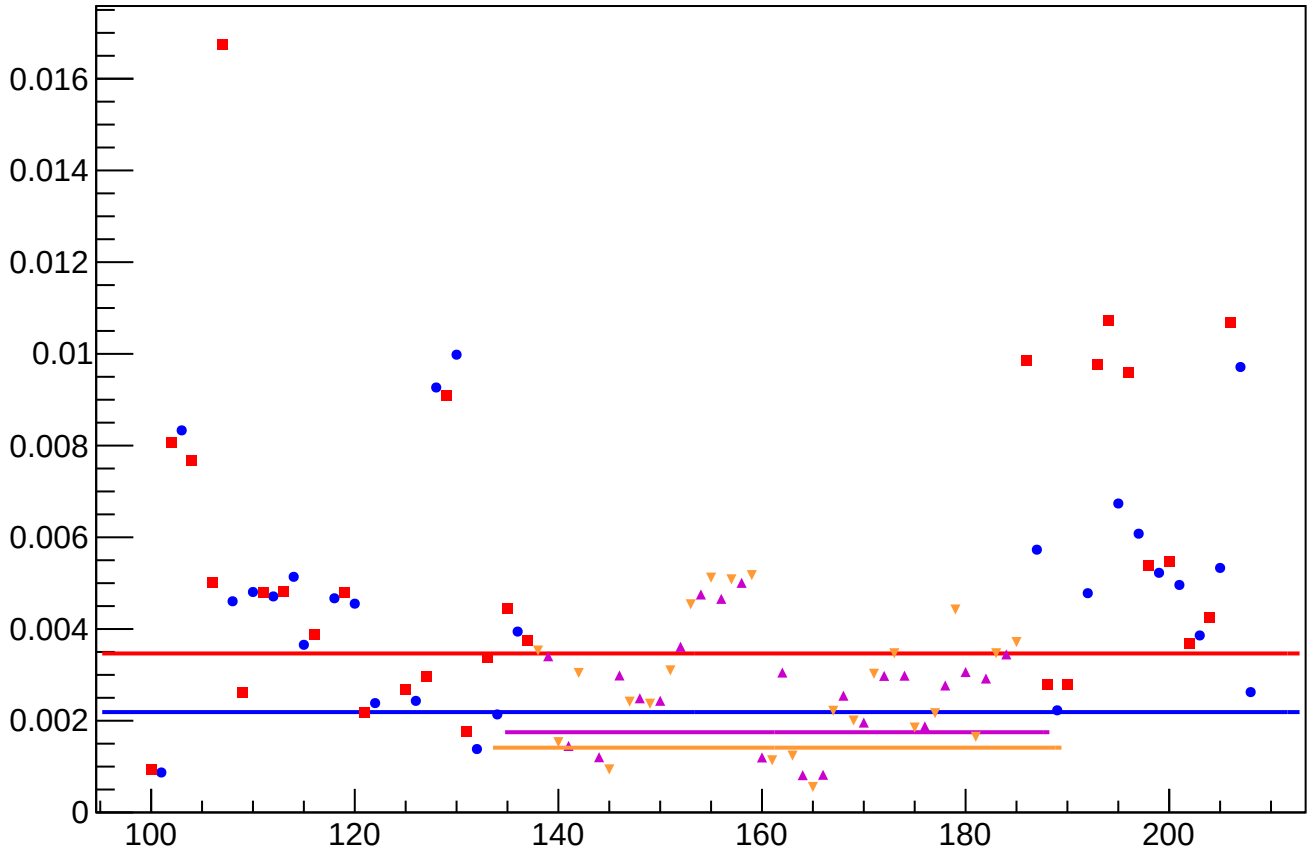
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 48.568+/-0.007 χ^2/NDF: 6150440.5/50

All: 49.294+/-0.005 χ^2/NDF: 12915692.2/102

- sign 50.067+/-0.007 χ^2/NDF: 6741060.2/51


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 31.4/26
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 35.6/28
Left In: -0.000+/-0.000 χ²/NDF:16.3/22
+ sign -0.000+/-0.000 χ²/NDF: 67.4/50
All: -0.000+/-0.000 χ²/NDF: 122.5/102
- sign -0.000+/-0.000 χ²/NDF: 52.8/51



Right In: 0.002+/-0.000 χ^2/NDF: 11658407.3/26

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

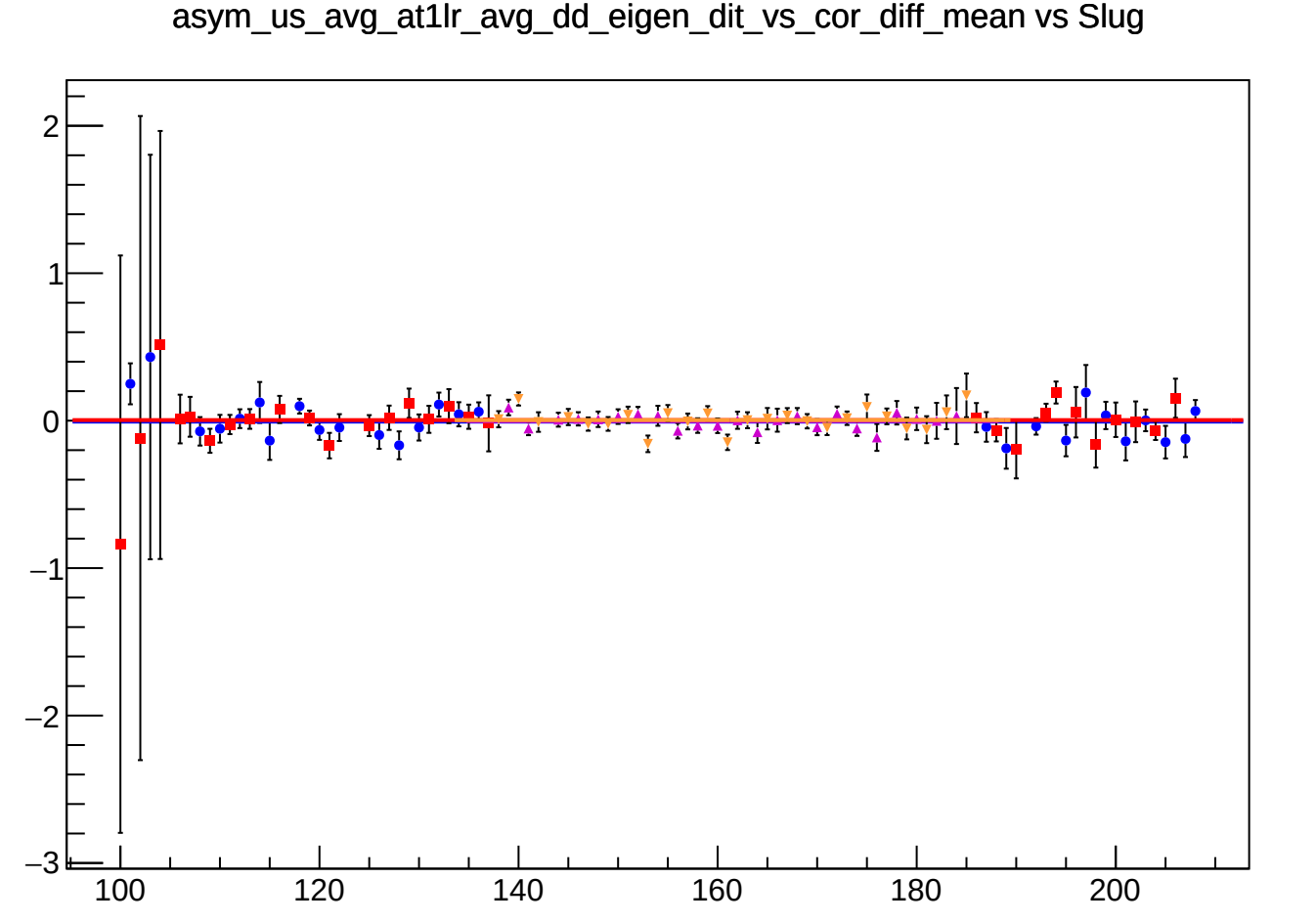
Right Out: 0.003+/-0.000 χ^2/NDF: 7613531.1/28

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 24961823.2/50

All: 0.002+/-0.000 χ^2/NDF: 46707908.9/102

- sign 0.002+/-0.000 χ^2/NDF: 20388176.2/51



Right In: -0.006+/-0.017 χ^2/NDF: 28.5/26

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

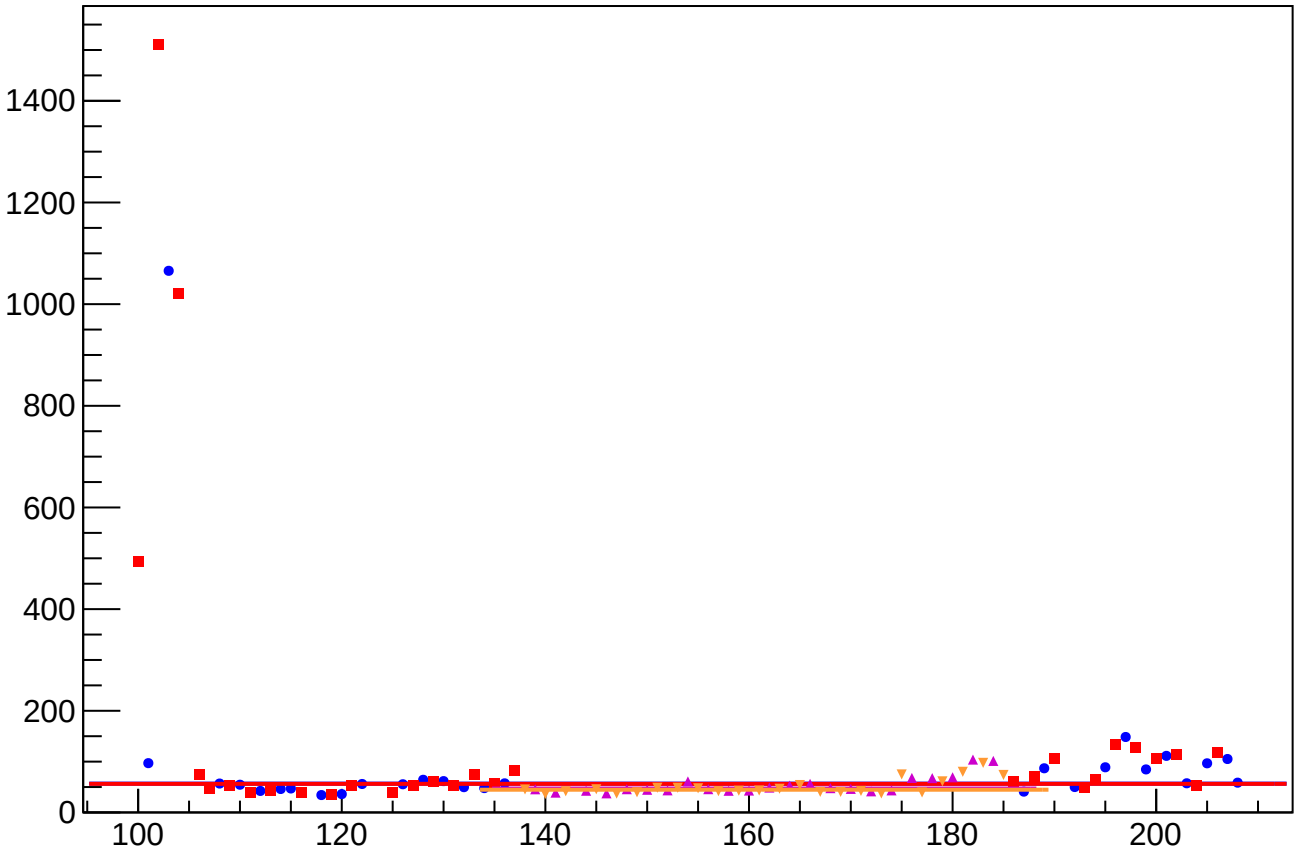
Right Out: 0.004+/-0.017 χ^2/NDF: 23.2/28

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.009 χ^2/NDF: 63.8/50

All: 0.000+/-0.007 χ^2/NDF: 101.6/102

- sign -0.001+/-0.010 χ^2/NDF: 37.8/51



Right In: 56.720+/-0.012 χ^2/NDF: 3974604.4/26

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 56.272+/-0.012 χ^2/NDF: 4964897.2/28

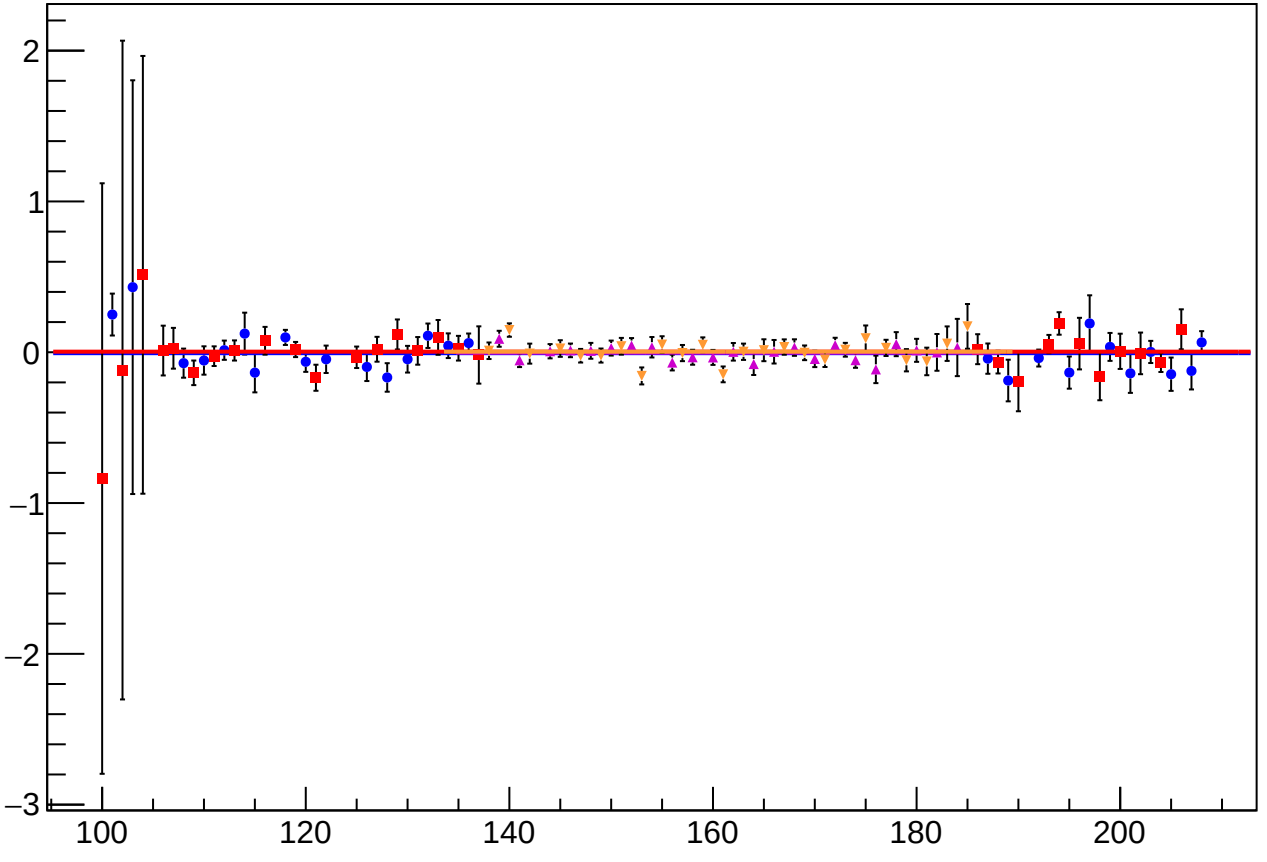
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 48.568+/-0.007 χ^2/NDF: 6150425.8/50

All: 49.294+/-0.005 χ^2/NDF: 12915864.1/102

- sign 50.067+/-0.007 χ^2/NDF: 6741261.5/51

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.017 χ^2/NDF: 28.5/26

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

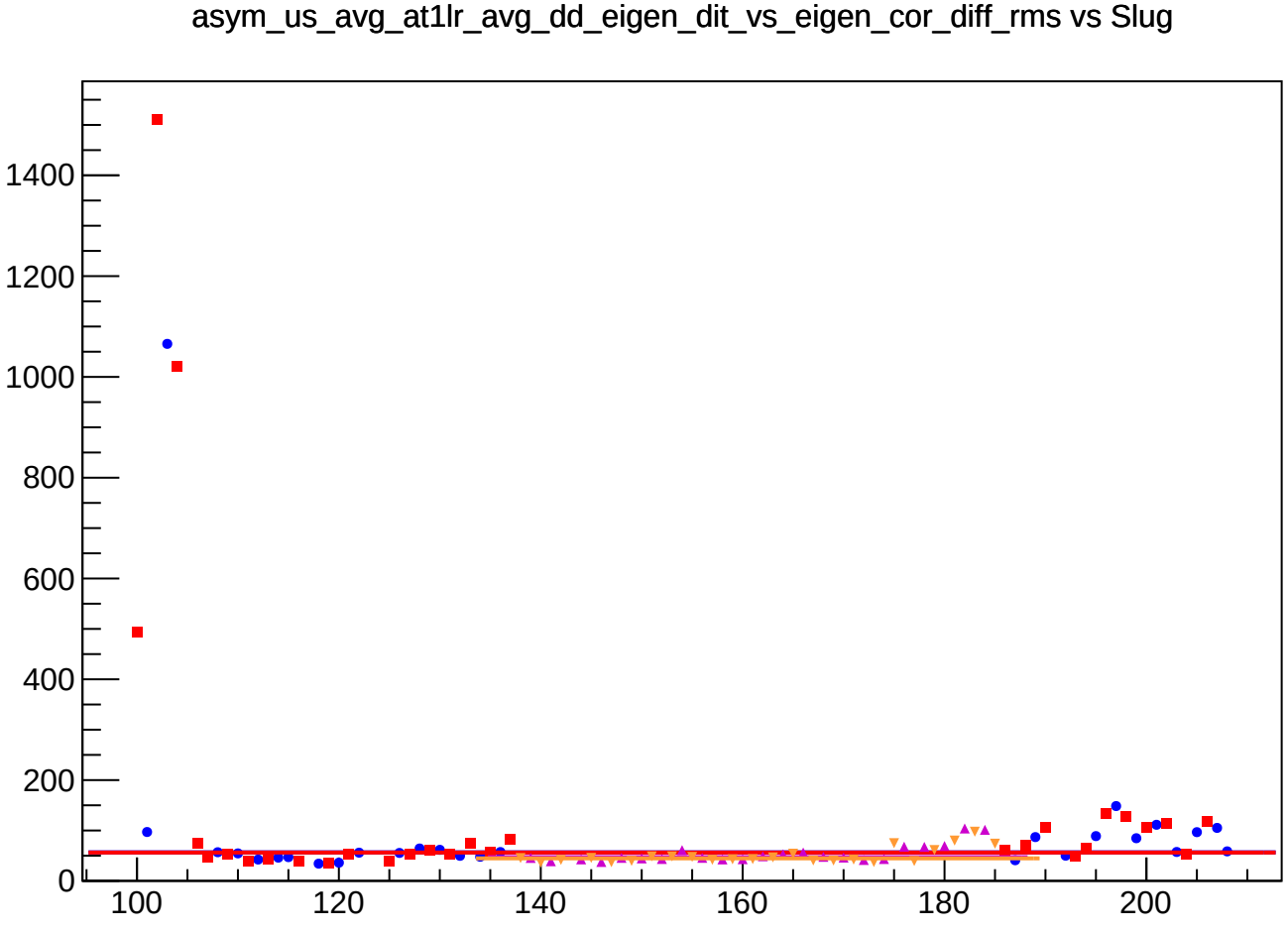
Right Out: 0.004+/-0.017 χ^2/NDF: 23.2/28

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.009 χ^2/NDF: 63.8/50

All: 0.000+/-0.007 χ^2/NDF: 101.6/102

- sign -0.001+/-0.010 χ^2/NDF: 37.8/51



Right In: 56.720+/-0.012 χ^2/NDF: 3974604.4/26

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

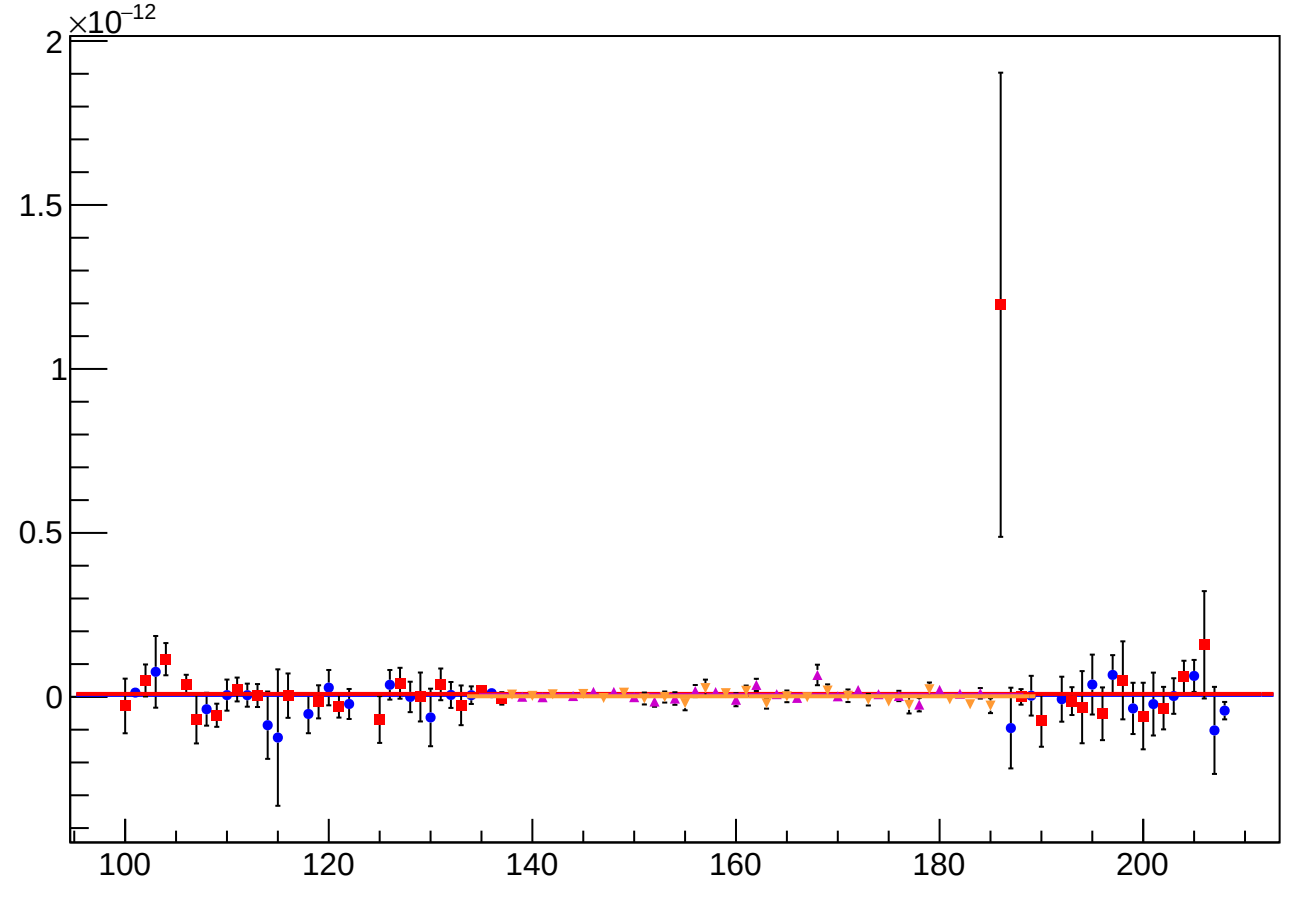
Right Out: 56.272+/-0.012 χ^2/NDF: 4964897.2/28

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 48.568+/-0.007 χ^2/NDF: 6150425.8/50

All: 49.294+/-0.005 χ^2/NDF: 12915864.1/102

- sign 50.067+/-0.007 χ^2/NDF: 6741261.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 13.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

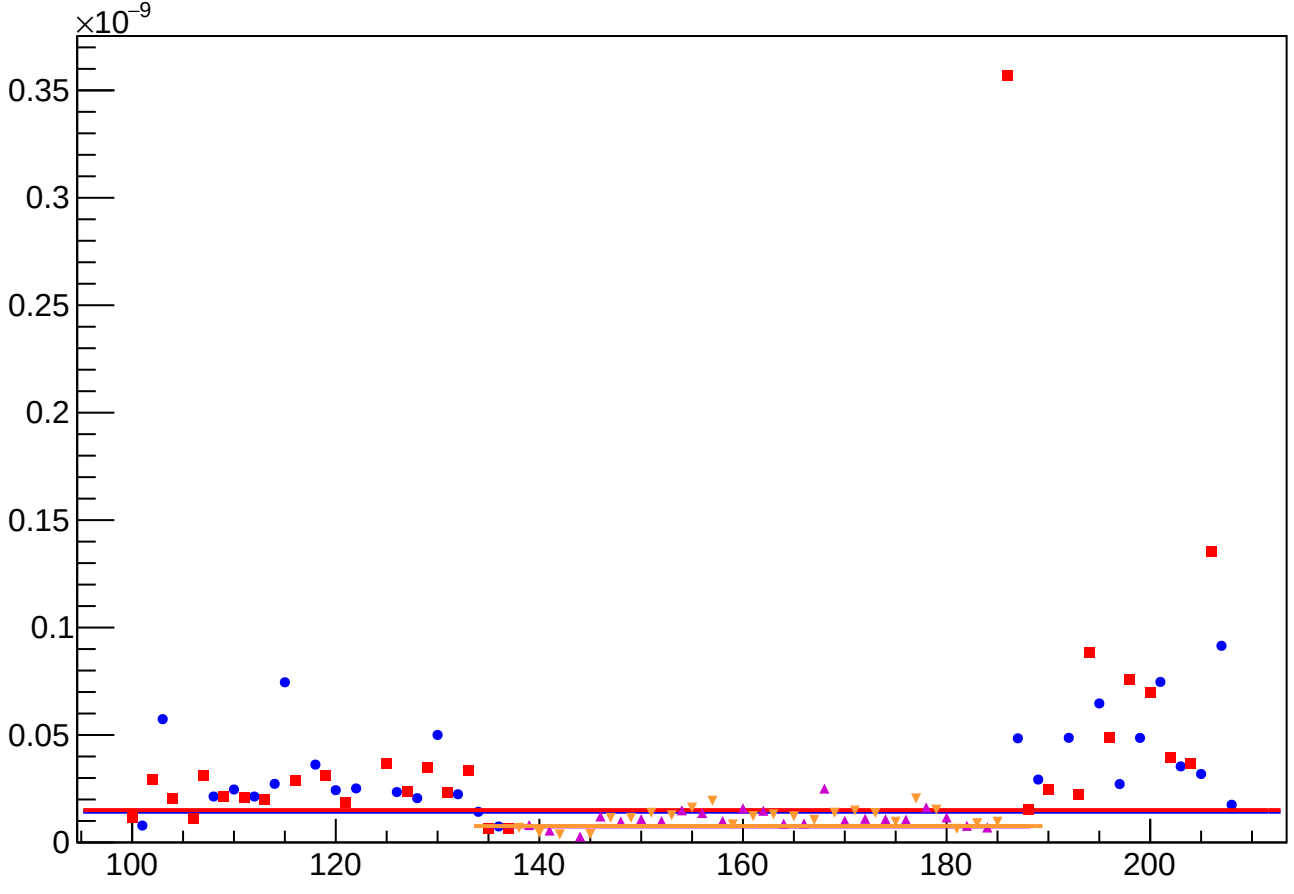
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/28

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.1/50

All: 0.000+/-0.000 χ^2/NDF: 77.5/102

- sign 0.000+/-0.000 χ^2/NDF: 42.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 7143200.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7801305.7/28

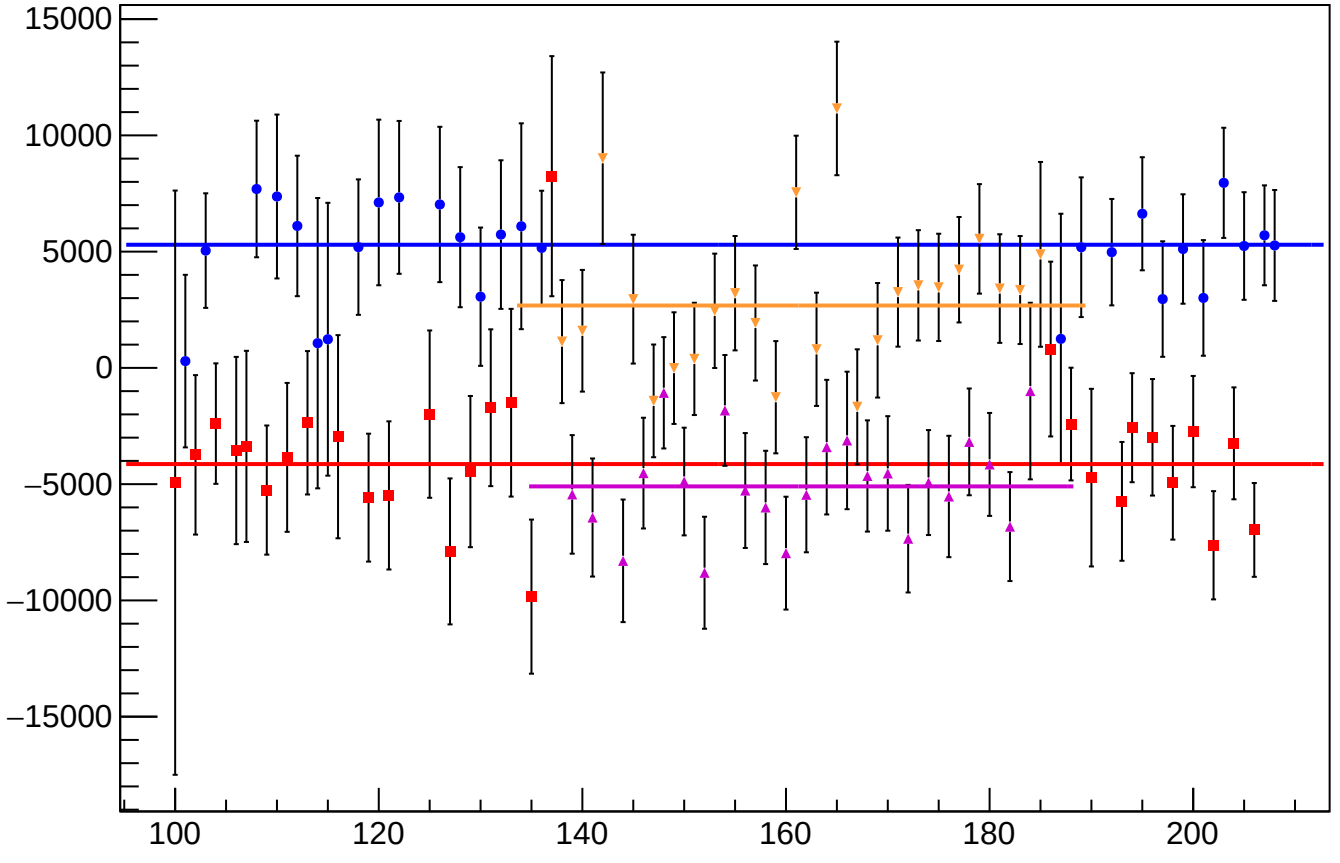
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 14721367.3/50

All: 0.000+/-0.000 χ^2/NDF: 30821162.7/102

- sign 0.000+/-0.000 χ^2/NDF: 16094812.7/51

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5295.997+/-551.986 χ^2/NDF: 9.3/26

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -4136.412+/-552.426 χ^2/NDF: 21.1/28

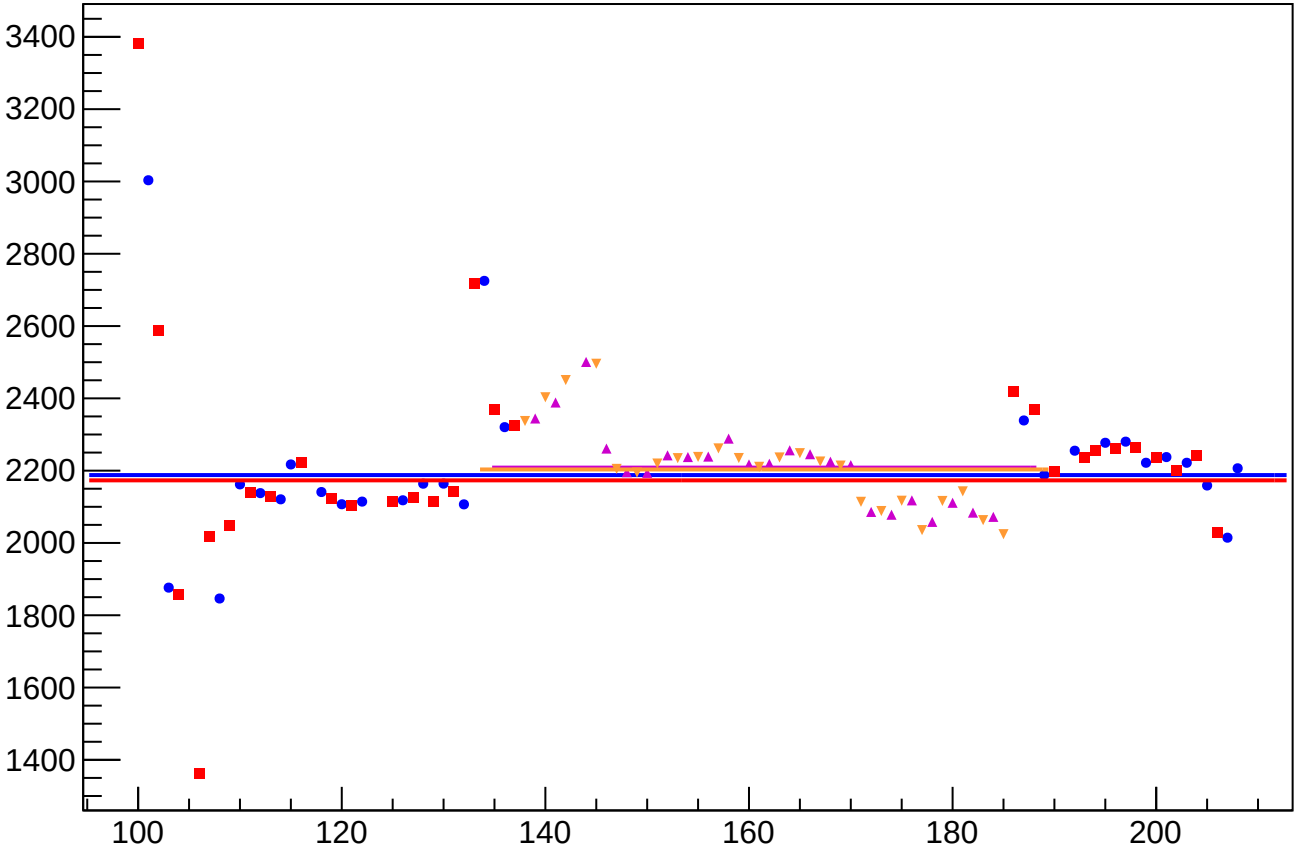
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3891.417+/-375.388 χ^2/NDF: 52.2/50

All: -358.422+/-266.070 χ^2/NDF: 347.4/102

- sign -4648.896+/-377.178 χ^2/NDF: 37.7/51

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2187.780+/-0.390 χ^2/NDF: 220607.6/26

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

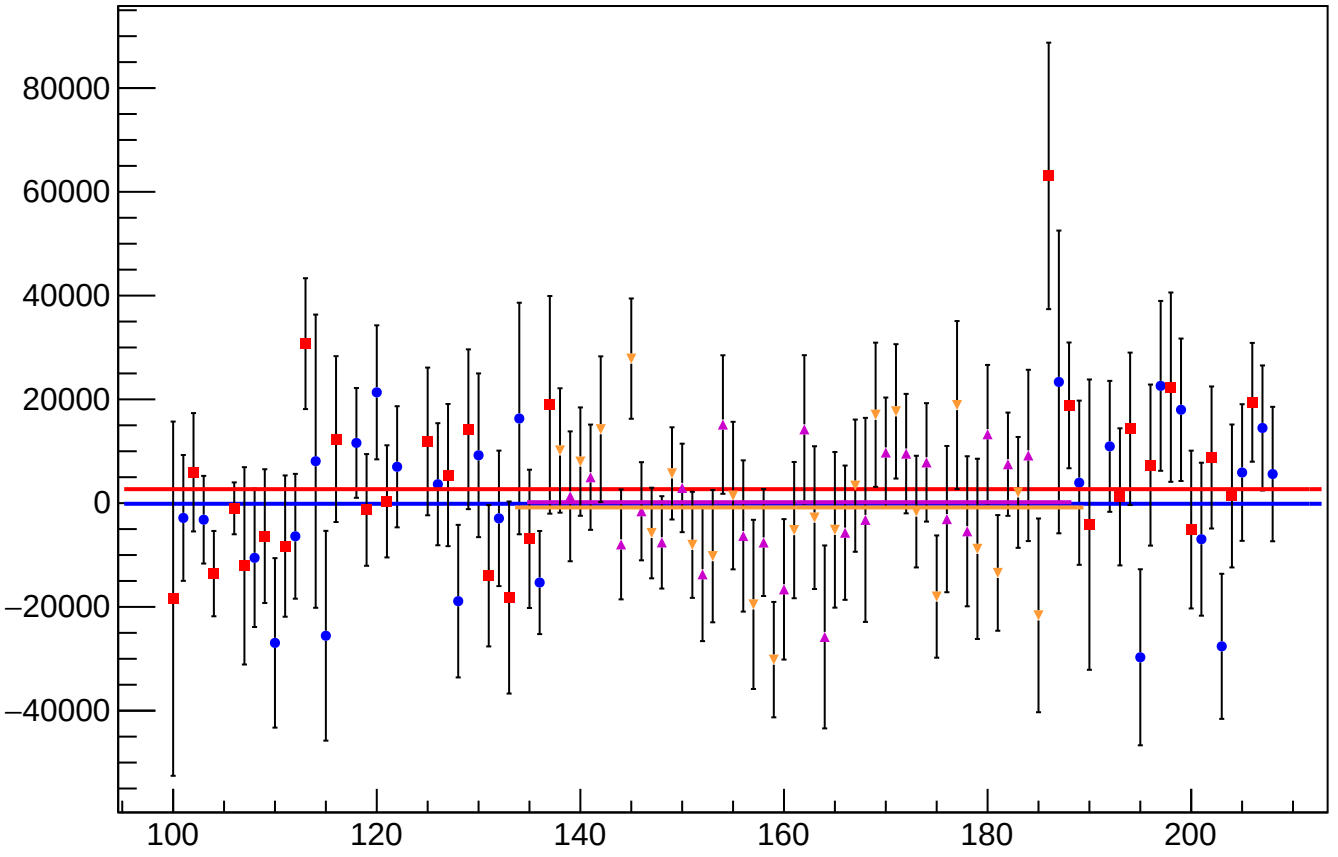
Right Out: 2173.167+/-0.388 χ^2/NDF: 324214.0/28

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2196.120+/-0.265 χ^2/NDF: 309665.3/50

All: 2193.979+/-0.188 χ^2/NDF: 719376.8/102

- sign 2191.832+/-0.266 χ^2/NDF: 409581.1/51



Right In: -123.571+/-2588.769 χ^2/NDF: 28.9/26

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: 2694.907+/-2323.157 χ^2/NDF: 28.9/28

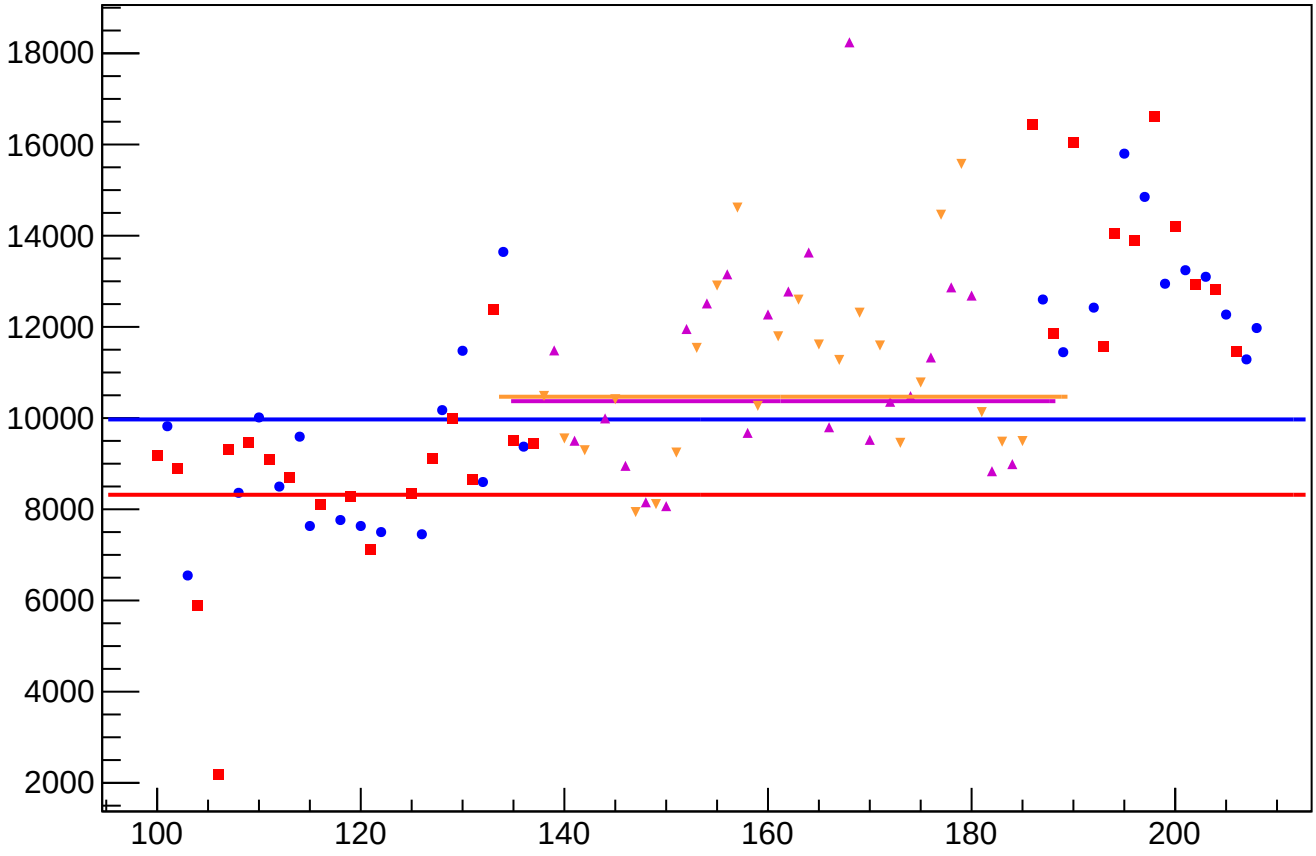
Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

+ sign -493.545+/-1791.396 χ^2/NDF: 58.4/50

All: 568.238+/-1230.311 χ^2/NDF: 102.4/102

- sign 1516.186+/-1692.646 χ^2/NDF: 43.2/51

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 9970.528+/-1.831 χ^2/NDF: 1798997.1/26

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8318.360+/-1.643 χ^2/NDF: 5909303.0/28

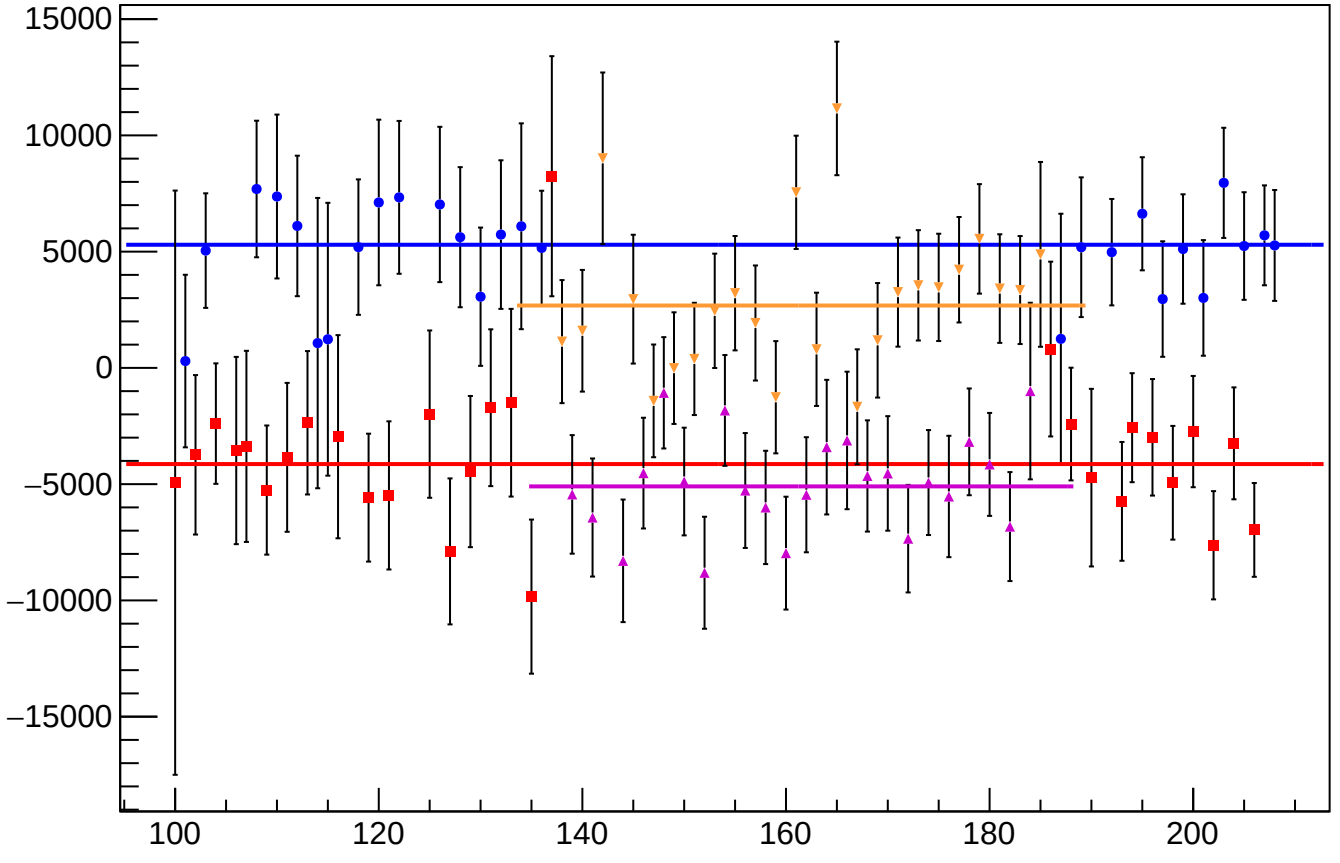
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 10230.140+/-1.267 χ^2/NDF: 2882848.9/50

All: 9728.848+/-0.870 χ^2/NDF: 11024770.1/1

- sign 9281.299+/-1.197 χ^2/NDF: 7845484.8/51

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5296.061+/-551.986 χ^2/NDF: 9.3/26

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -4136.282+/-552.426 χ^2/NDF: 21.1/28

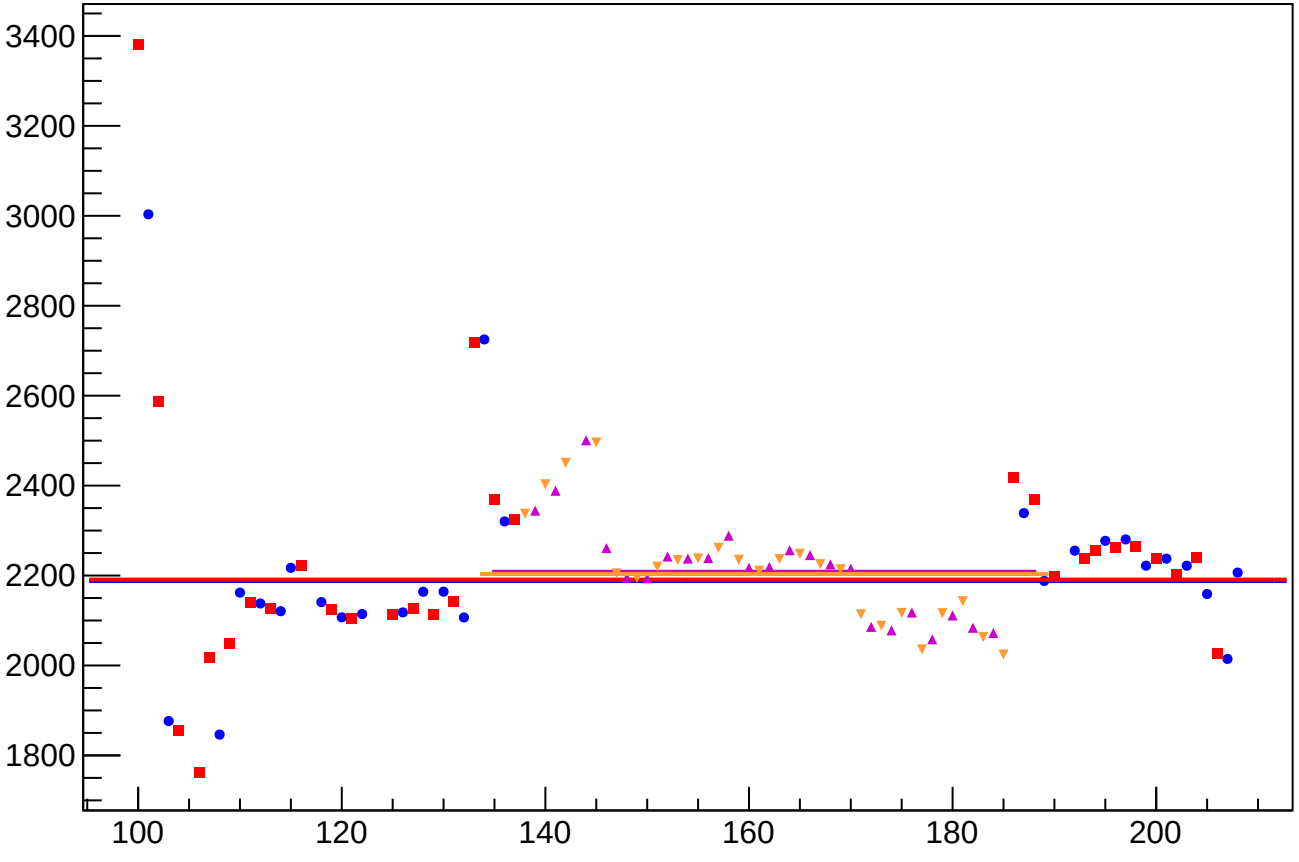
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3891.405+/-375.388 χ^2/NDF: 52.2/50

All: -358.374+/-266.070 χ^2/NDF: 347.4/102

- sign -4648.787+/-377.178 χ^2/NDF: 37.7/51

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2187.780+/-0.390 χ^2/NDF: 220607.9/26

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

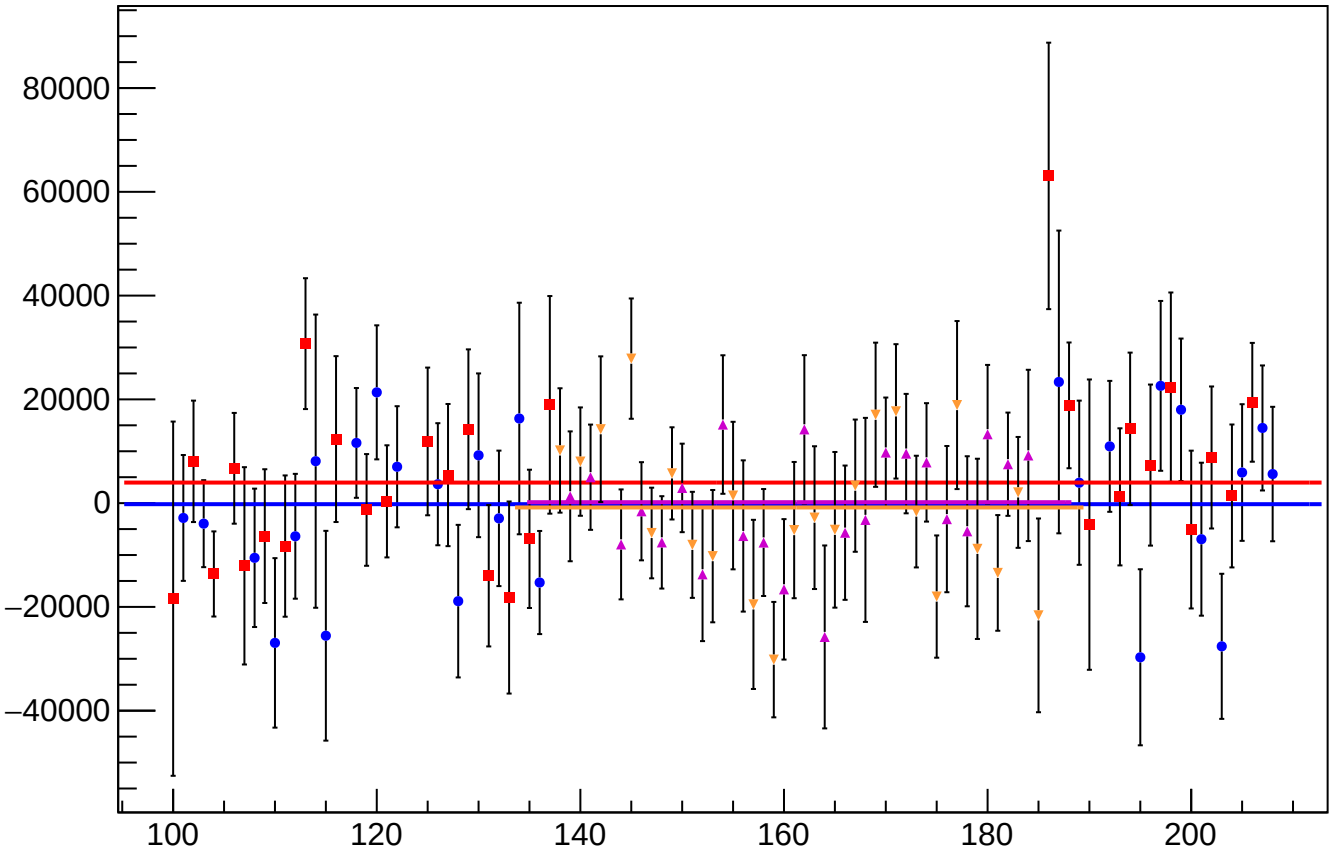
Right Out: 2190.943+/-0.390 χ^2/NDF: 202158.0/28

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2196.120+/-0.265 χ^2/NDF: 309665.7/50

All: 2198.168+/-0.188 χ^2/NDF: 594003.8/102

- sign 2200.231+/-0.266 χ^2/NDF: 284218.6/51



Right In: -200.703+/-2586.899 χ^2/NDF: 29.0/26

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

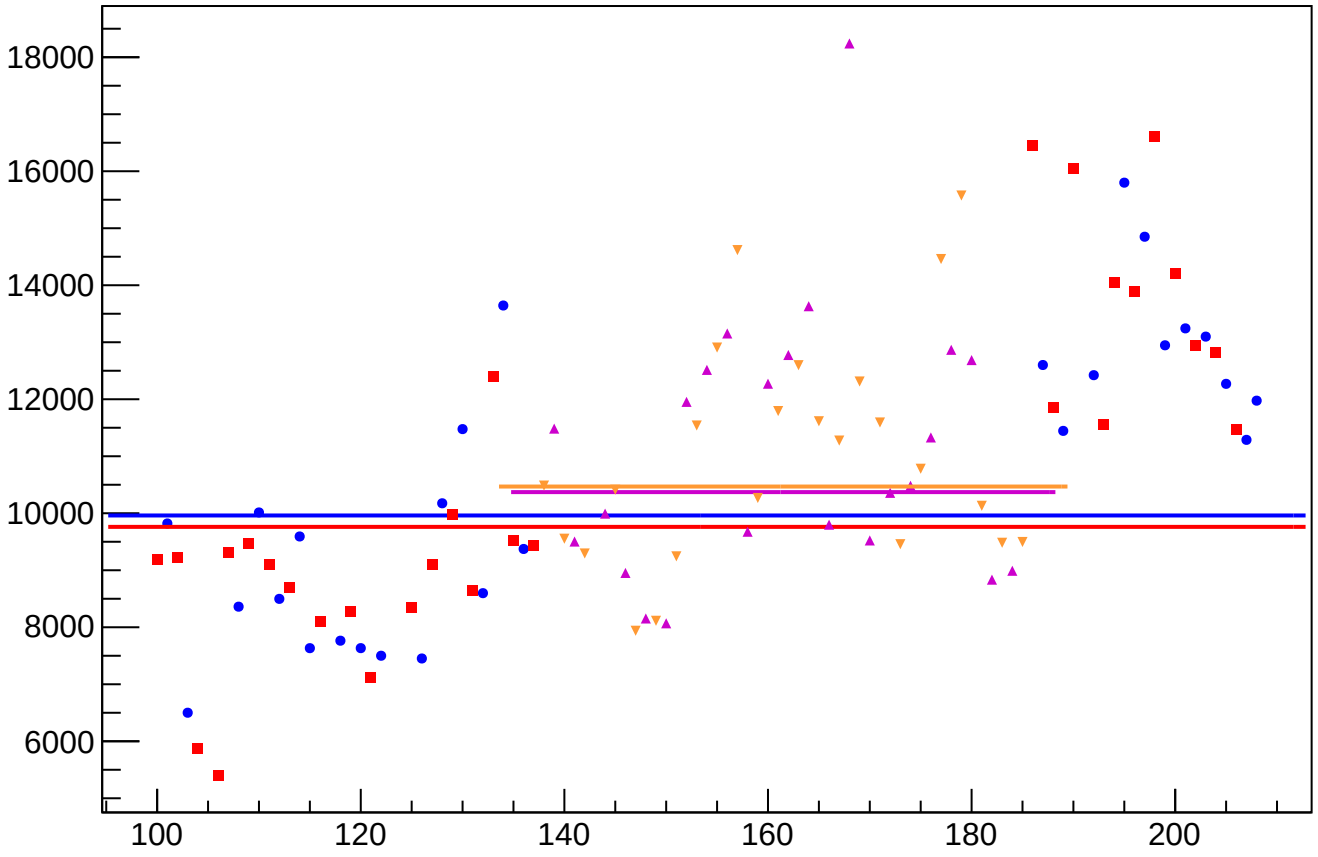
Right Out: 3964.427+/-2550.362 χ^2/NDF: 28.5/28

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -530.237+/-1790.776 χ^2/NDF: 58.5/50

All: 753.227+/-1260.561 χ^2/NDF: 102.9/102

- sign 2013.803+/-1774.736 χ^2/NDF: 43.4/51



Right In: 9961.065+/-1.829 χ^2/NDF: 1813285.9/26

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

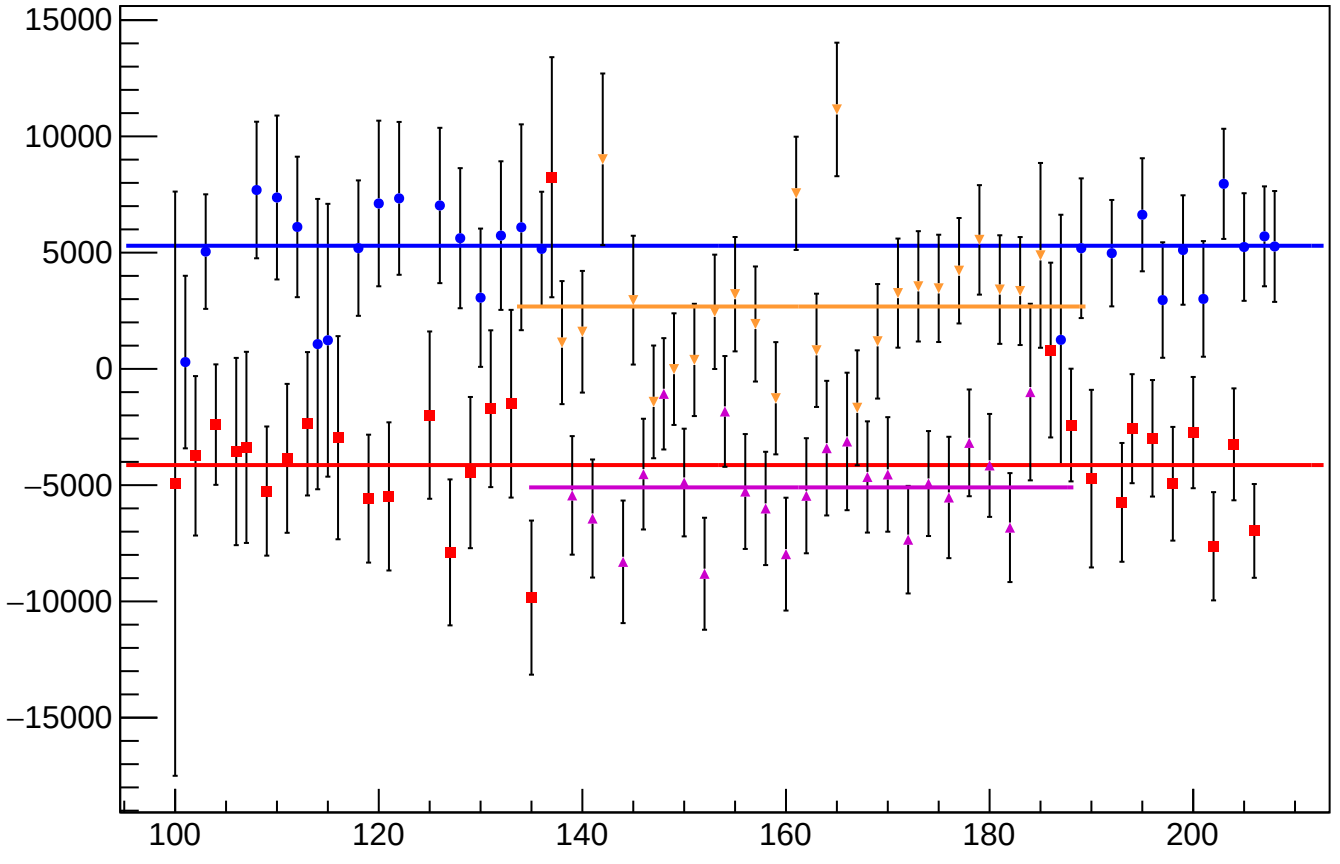
Right Out: 9761.178+/-1.803 χ^2/NDF: 2414582.6/28

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10225.425+/-1.266 χ^2/NDF: 2898649.3/50

All: 10149.858+/-0.891 χ^2/NDF: 6583009.0/1

- sign 10075.639+/-1.255 χ^2/NDF: 3677300.5/51



Right In: 5296.061+/-551.986 χ^2/NDF: 9.3/26

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -4136.282+/-552.426 χ^2/NDF: 21.1/28

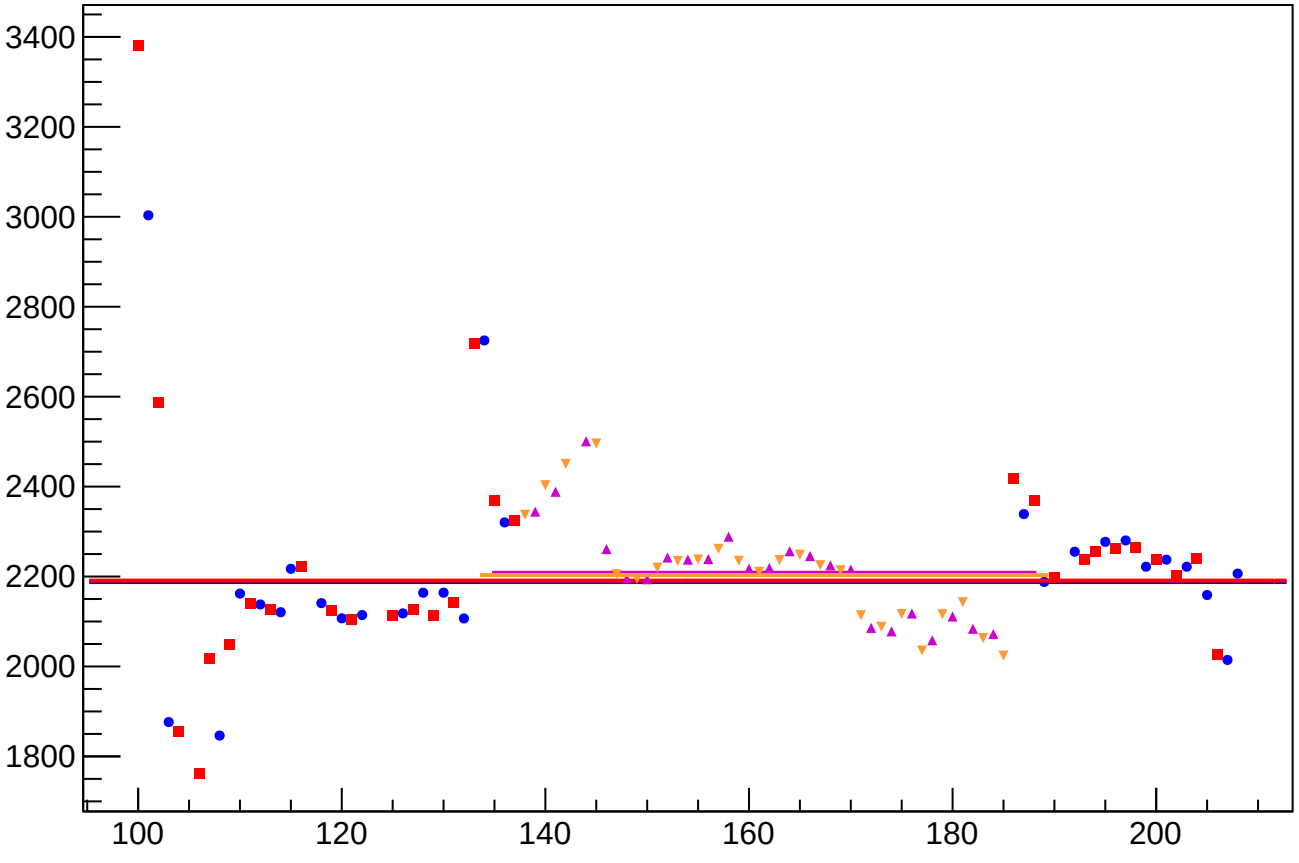
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3891.405+/-375.388 χ^2/NDF: 52.2/50

All: -358.374+/-266.070 χ^2/NDF: 347.4/102

- sign -4648.787+/-377.178 χ^2/NDF: 37.7/51

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2187.780+/-0.390 χ^2/NDF: 220607.9/26

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

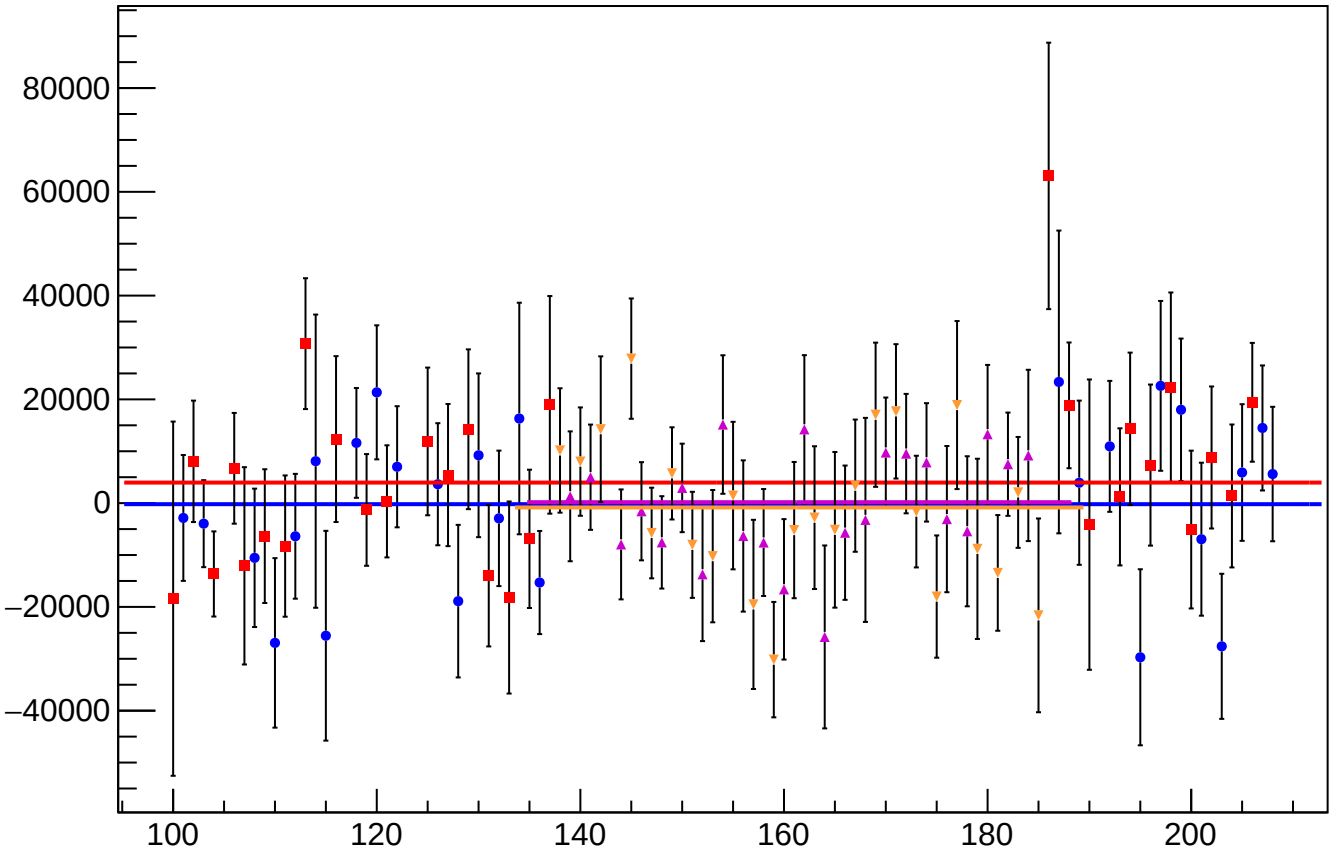
Right Out: 2190.943+/-0.390 χ^2/NDF: 202158.0/28

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2196.120+/-0.265 χ^2/NDF: 309665.7/50

All: 2198.168+/-0.188 χ^2/NDF: 594003.8/102

- sign 2200.231+/-0.266 χ^2/NDF: 284218.6/51



Right In: -200.703+/-2586.899 χ^2/NDF: 29.0/26

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

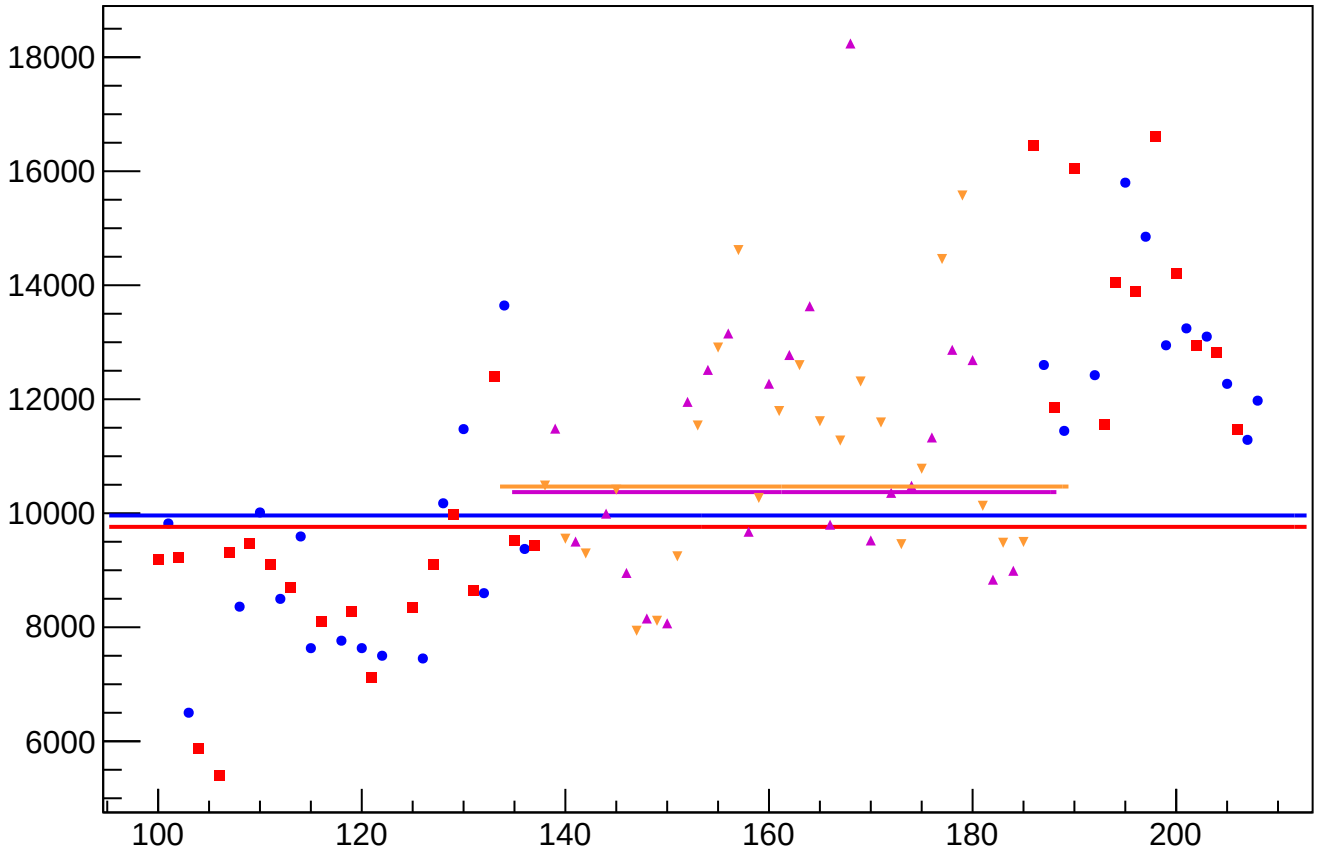
Right Out: 3964.427+/-2550.362 χ^2/NDF: 28.5/28

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -530.237+/-1790.776 χ^2/NDF: 58.5/50

All: 753.227+/-1260.561 χ^2/NDF: 102.9/102

- sign 2013.803+/-1774.736 χ^2/NDF: 43.4/51



Right In: 9961.065+/-1.829 χ^2/NDF: 1813285.9/26

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9761.178+/-1.803 χ^2/NDF: 2414582.6/28

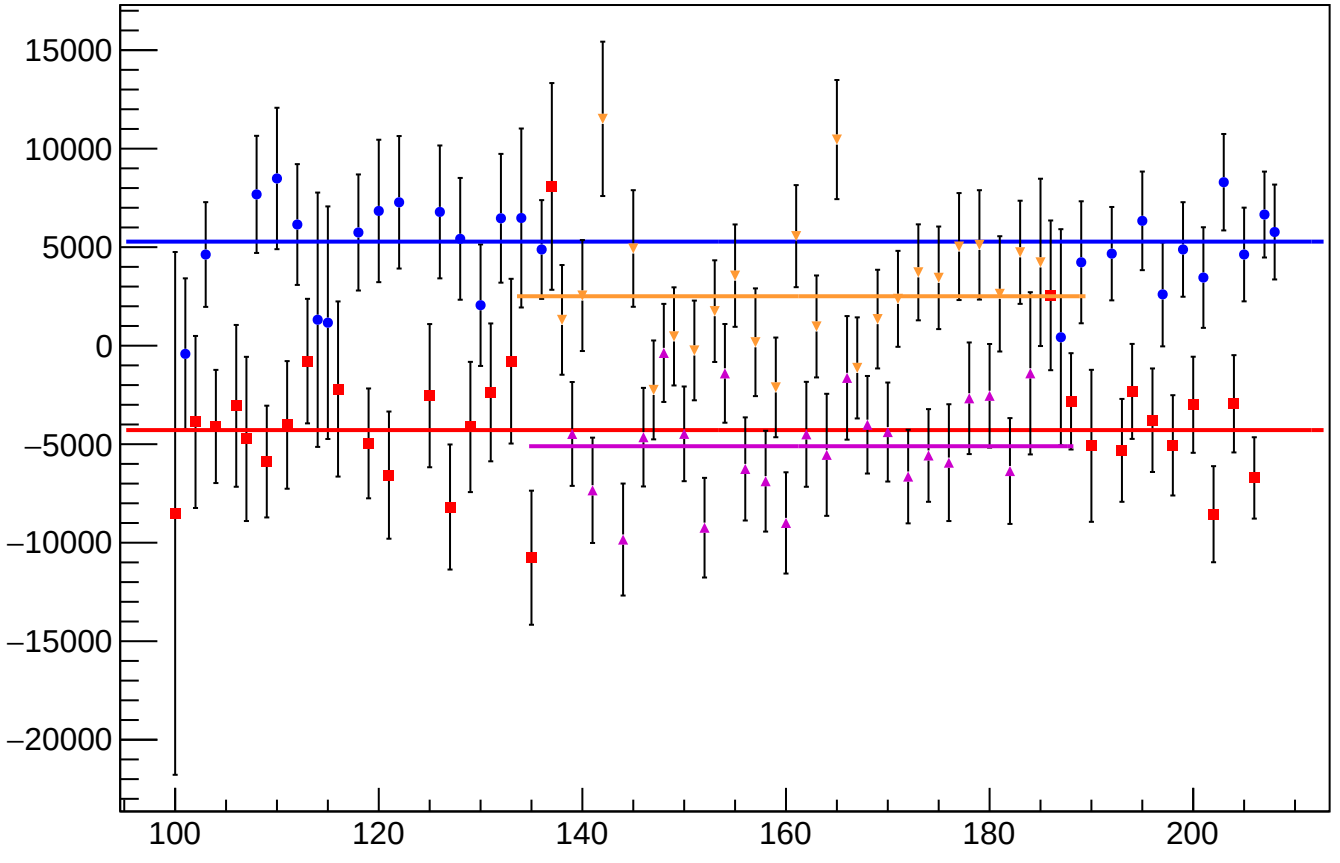
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10225.425+/-1.266 χ^2/NDF: 2898649.3/50

All: 10149.858+/-0.891 χ^2/NDF: 6583009.0/1

- sign 10075.639+/-1.255 χ^2/NDF: 3677300.5/51

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5281.141+/-566.928 χ^2/NDF: 11.5/26

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -4284.142+/-570.154 χ^2/NDF: 24.1/28

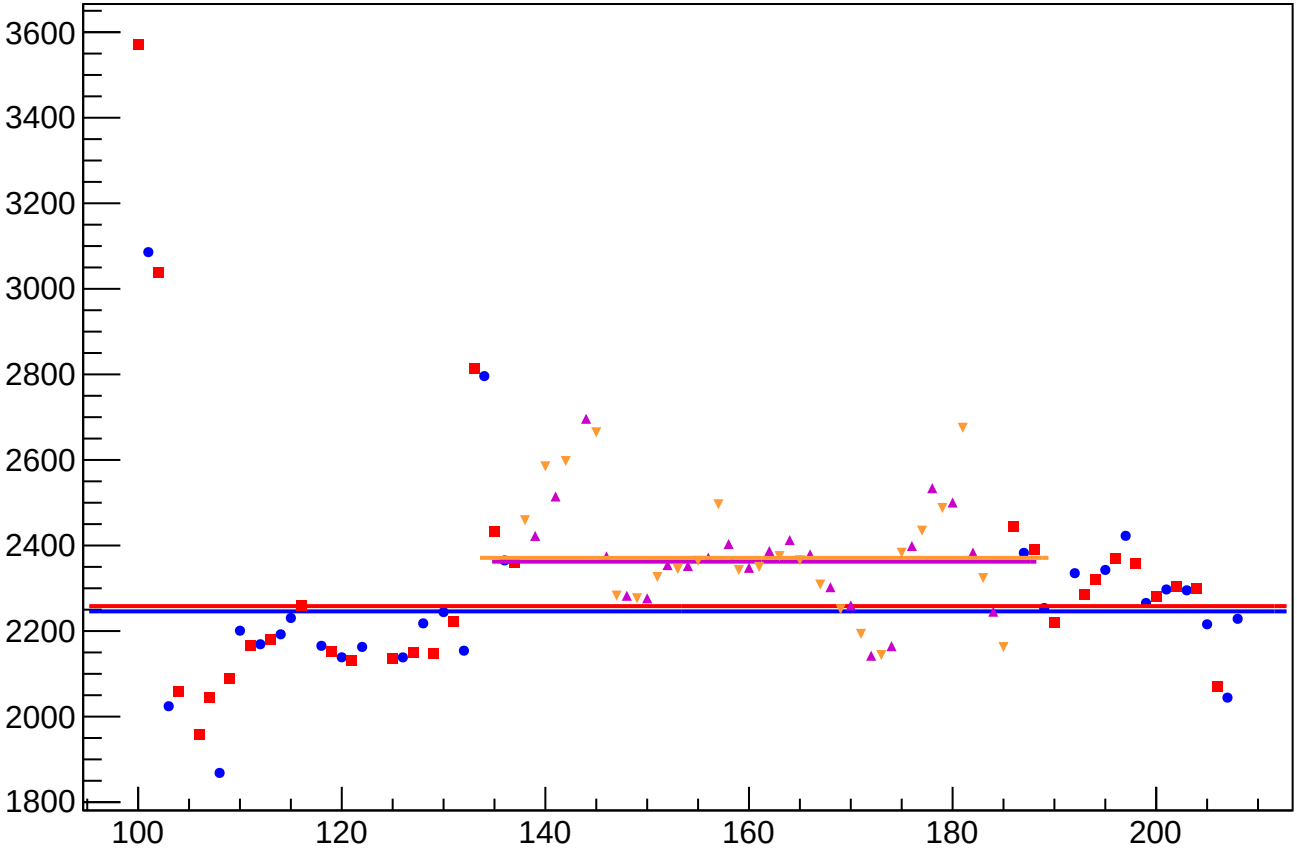
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3857.079+/-395.348 χ^2/NDF: 53.6/50

All: -408.940+/-280.066 χ^2/NDF: 332.3/102

- sign -4706.380+/-396.802 χ^2/NDF: 45.0/51

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2246.014+/-0.401 χ^2/NDF: 221329.8/26

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

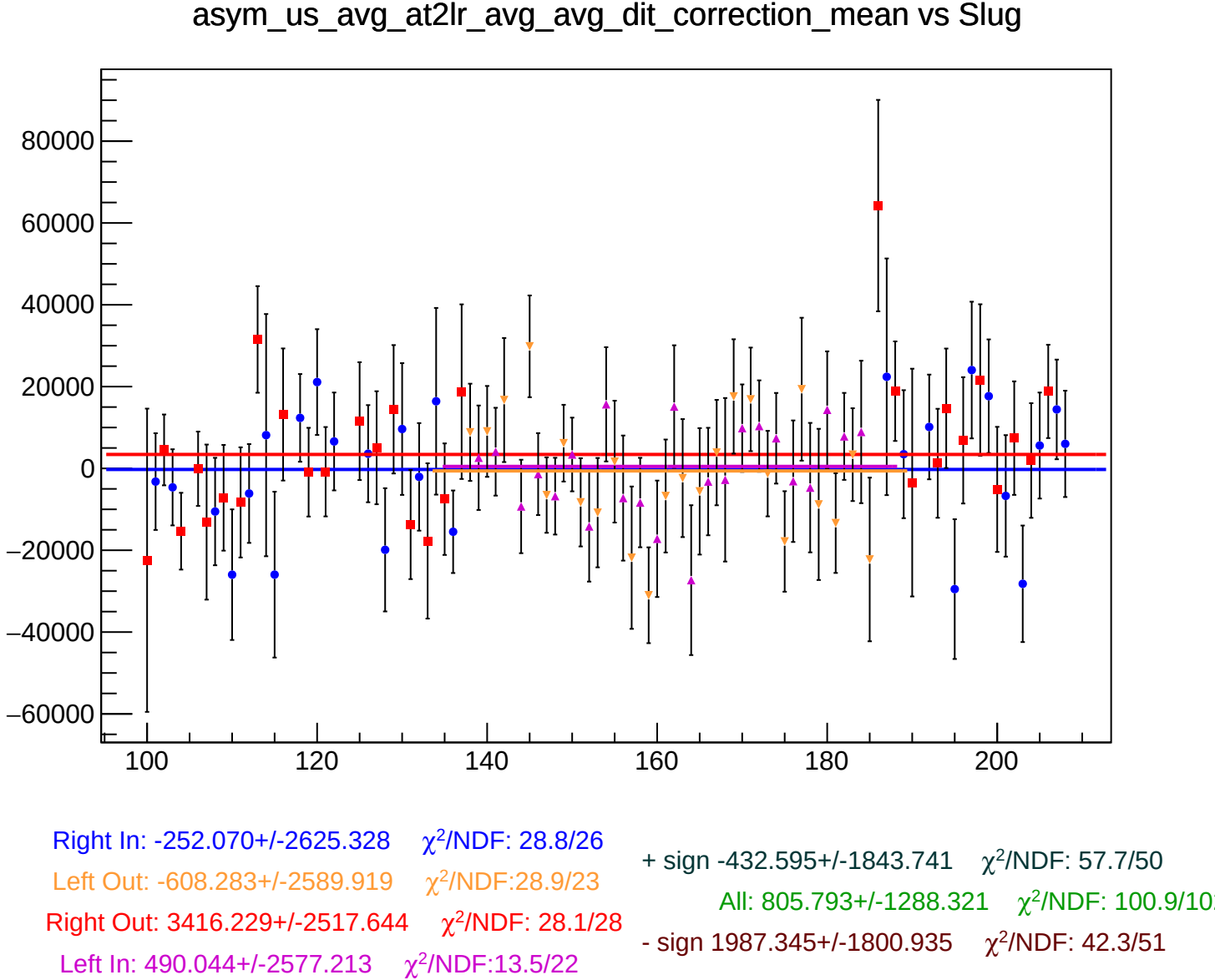
Right Out: 2258.317+/-0.403 χ^2/NDF: 210913.0/28

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

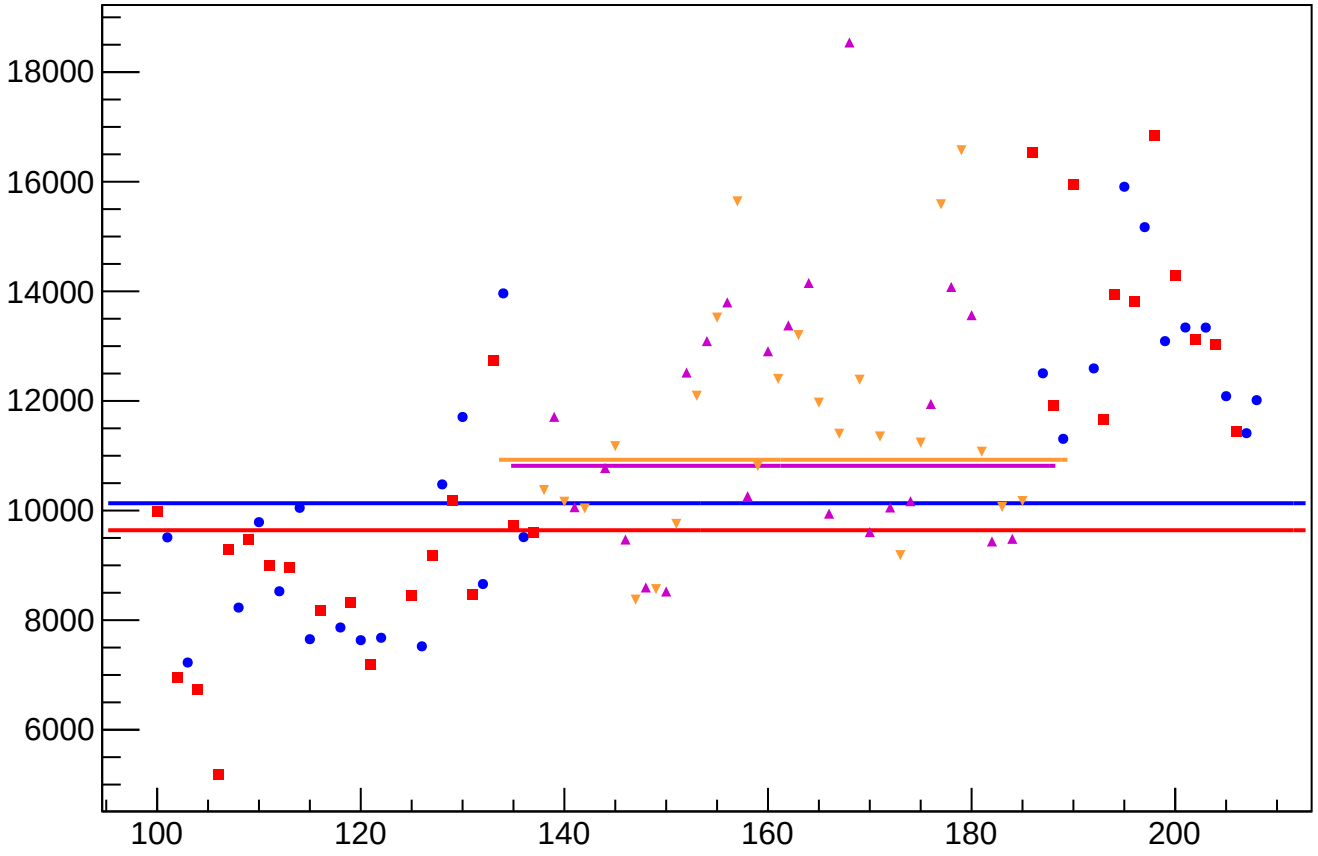
+ sign 2310.289+/-0.280 χ^2/NDF: 387671.0/50

All: 2311.081+/-0.198 χ^2/NDF: 724755.2/102

- sign 2311.878+/-0.281 χ^2/NDF: 337068.1/51


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
Right In: -252.070+/-2625.328 χ²/NDF: 28.8/26
Left Out: -608.283+/-2589.919 χ²/NDF:28.9/23
Right Out: 3416.229+/-2517.644 χ²/NDF: 28.1/28
Left In: 490.044+/-2577.213 χ²/NDF:13.5/22
+ sign -432.595+/-1843.741 χ²/NDF: 57.7/50
All: 805.793+/-1288.321 χ²/NDF: 100.9/102
- sign 1987.345+/-1800.935 χ²/NDF: 42.3/51

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug



Right In: 10133.447+/-1.856 χ^2/NDF: 1667058.8/26

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

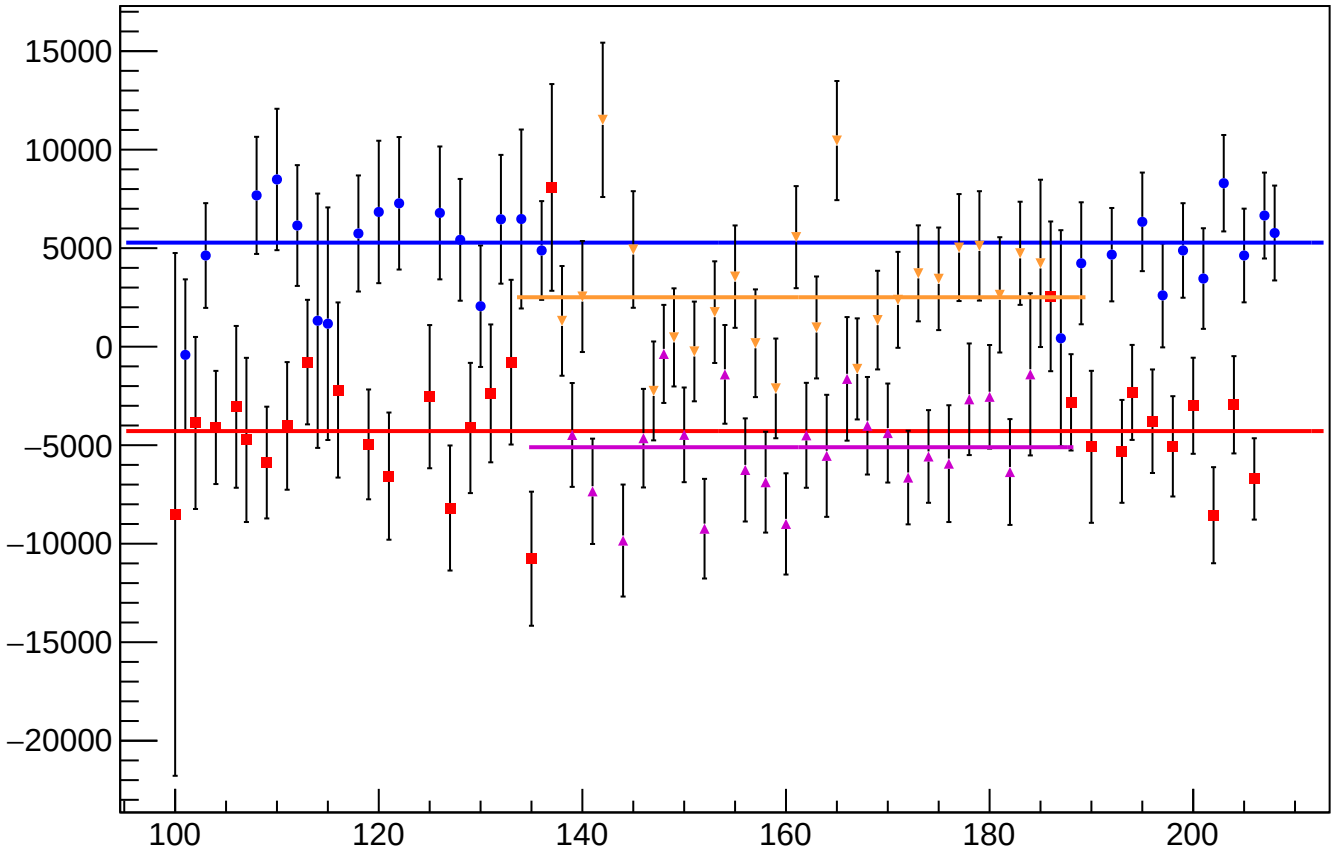
Right Out: 9640.638+/-1.780 χ^2/NDF: 2569760.5/28

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10535.540+/-1.304 χ^2/NDF: 2816964.0/50

All: 10371.370+/-0.911 χ^2/NDF: 6827500.3/1

- sign 10214.735+/-1.273 χ^2/NDF: 3979550.3/51



Right In: 5281.138+/-566.928 χ^2/NDF: 11.5/26

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -4284.136+/-570.154 χ^2/NDF: 24.1/28

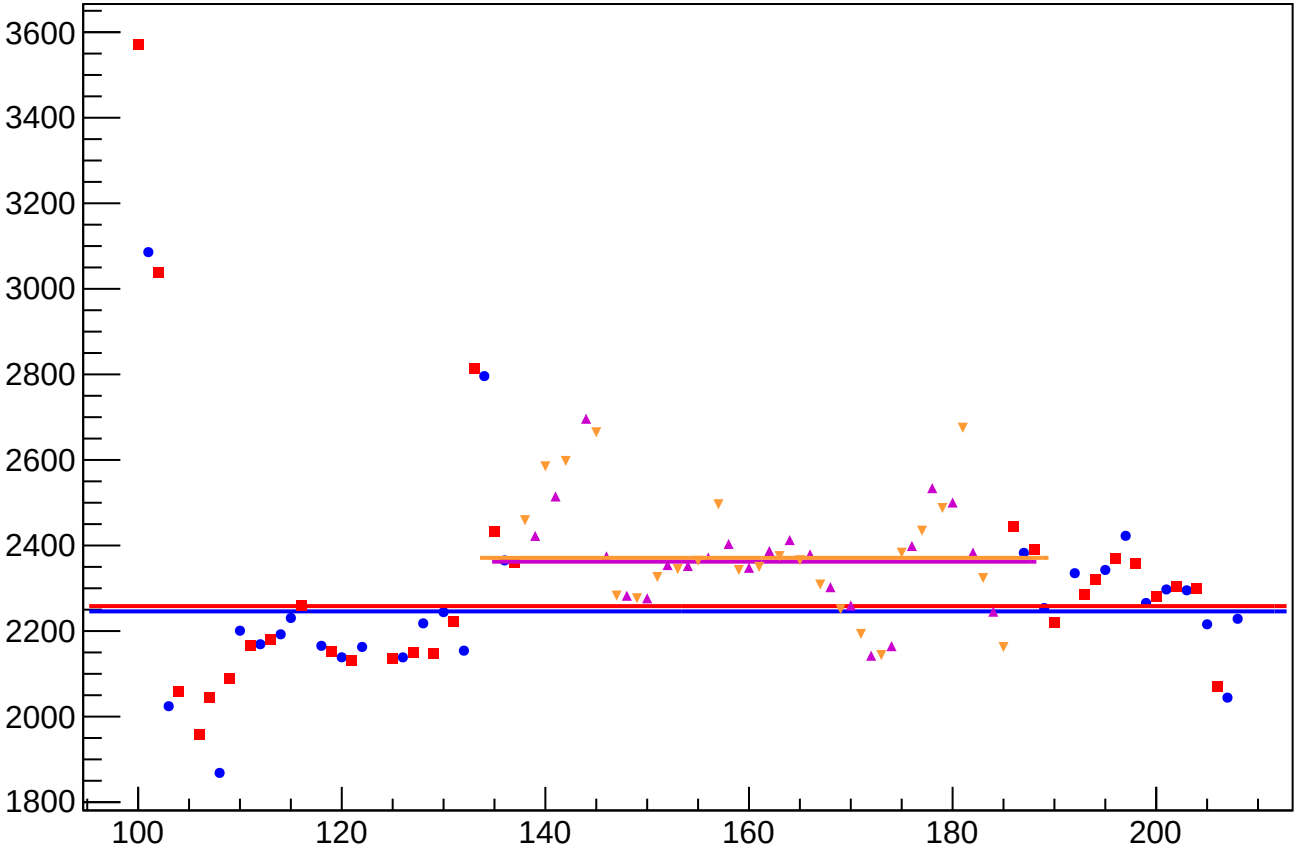
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3857.073+/-395.349 χ^2/NDF: 53.6/50

All: -408.941+/-280.066 χ^2/NDF: 332.3/102

- sign -4706.378+/-396.802 χ^2/NDF: 45.0/51

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2246.013+/-0.401 χ^2/NDF: 221329.9/26

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

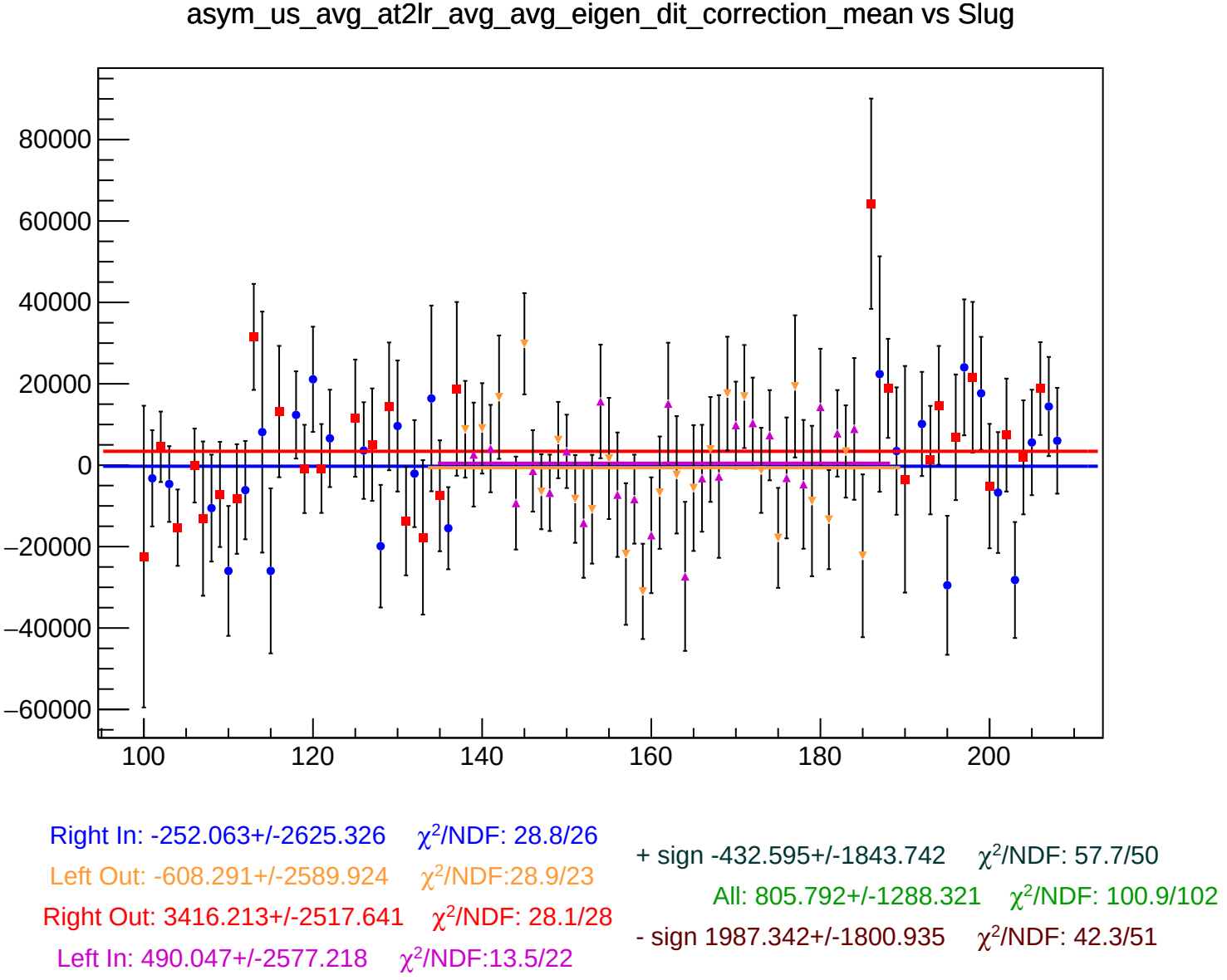
Right Out: 2258.317+/-0.403 χ^2/NDF: 210913.6/28

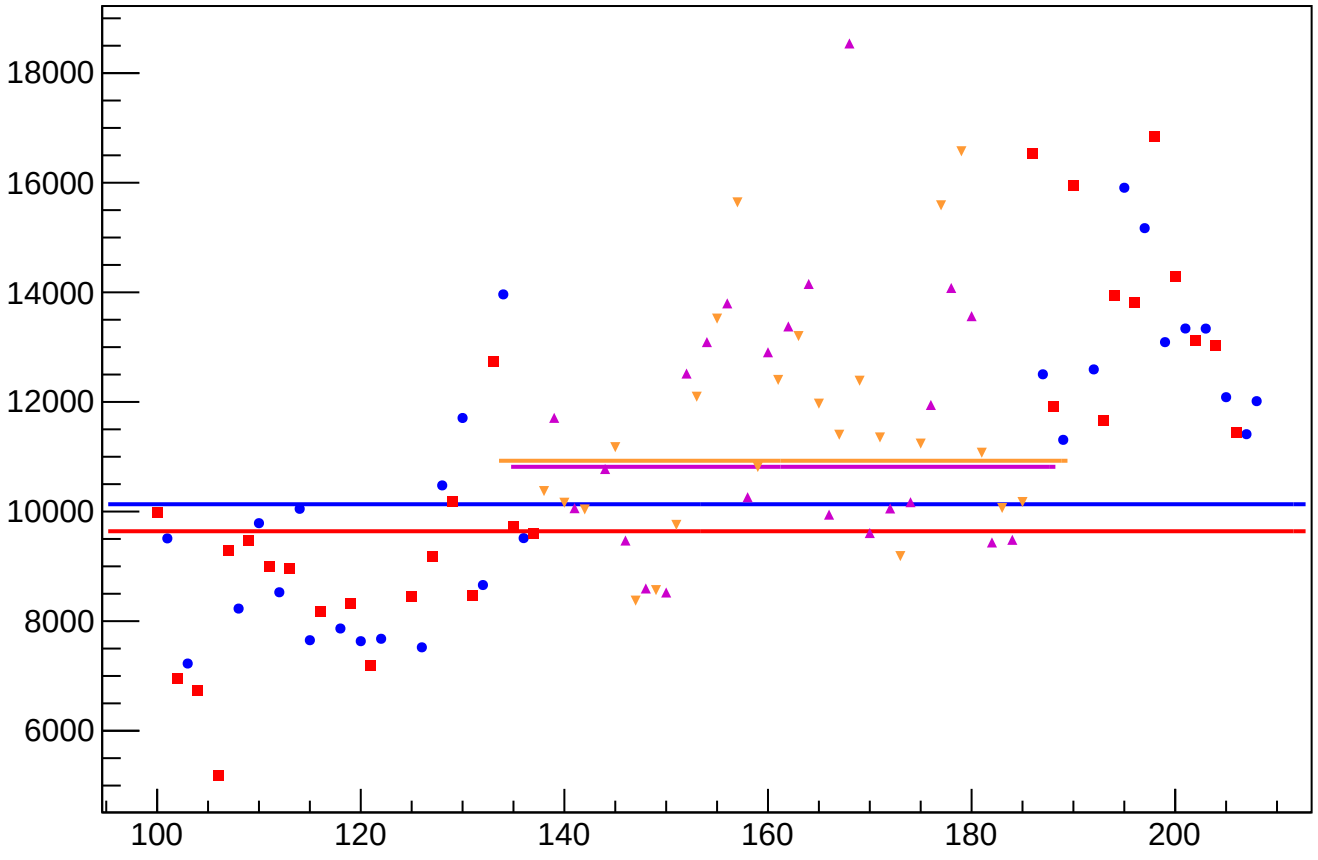
Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2310.291+/-0.280 χ^2/NDF: 387678.3/50

All: 2311.083+/-0.198 χ^2/NDF: 724769.7/102

- sign 2311.880+/-0.281 χ^2/NDF: 337075.3/51


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
Right In: -252.063+/-2625.326 χ²/NDF: 28.8/26
Left Out: -608.291+/-2589.924 χ²/NDF:28.9/23
Right Out: 3416.213+/-2517.641 χ²/NDF: 28.1/28
Left In: 490.047+/-2577.218 χ²/NDF:13.5/22
+ sign -432.595+/-1843.742 χ²/NDF: 57.7/50
All: 805.792+/-1288.321 χ²/NDF: 100.9/102
- sign 1987.342+/-1800.935 χ²/NDF: 42.3/51



Right In: 10133.434+/-1.856 χ^2/NDF: 1667084.9/26

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9640.624+/-1.780 χ^2/NDF: 2569781.7/28

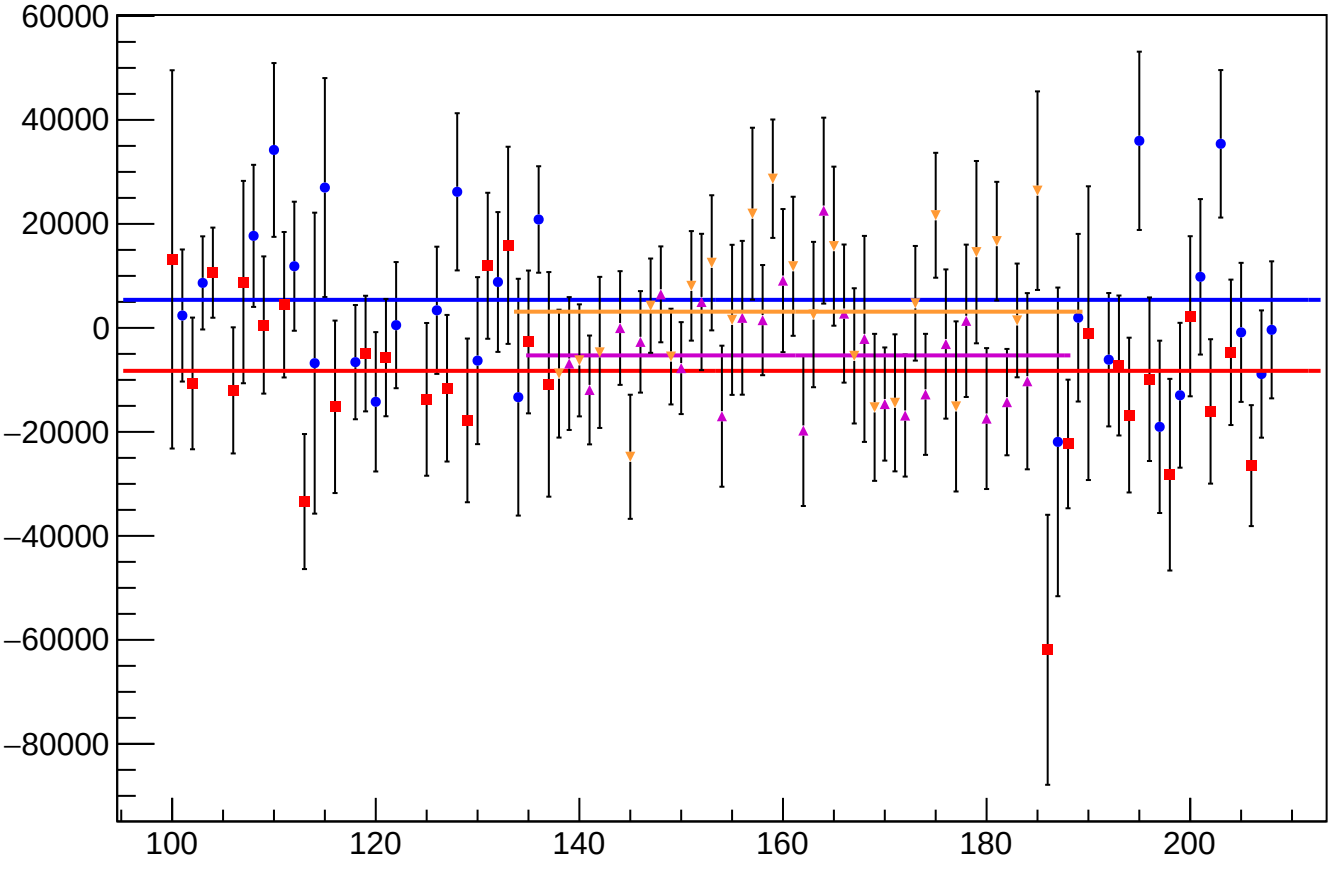
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10535.542+/-1.304 χ^2/NDF: 2816999.7/50

All: 10371.371+/-0.911 χ^2/NDF: 6827572.2/1

- sign 10214.734+/-1.273 χ^2/NDF: 3979586.2/51

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5393.761+/-2664.415 χ^2/NDF: 29.6/26

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -8261.675+/-2641.529 χ^2/NDF: 26.2/28

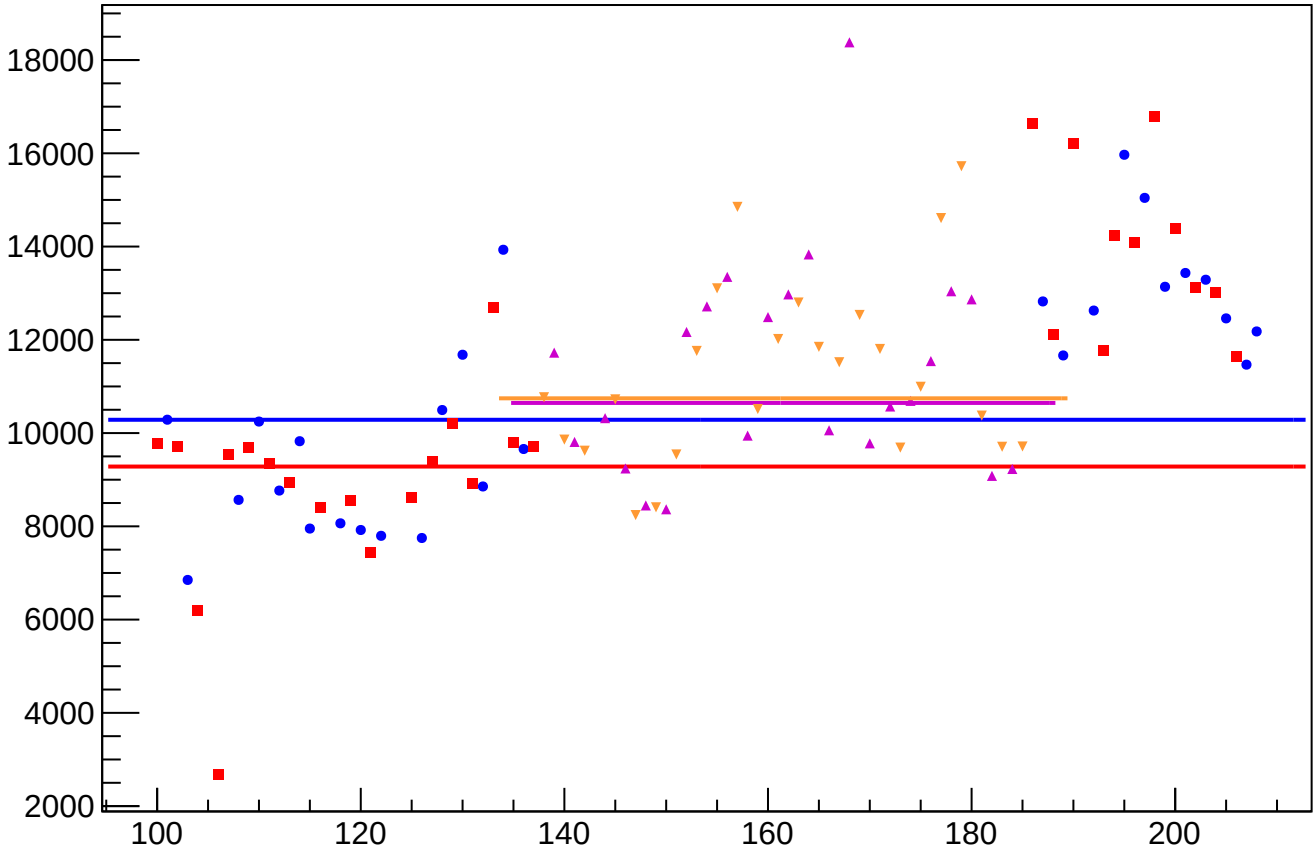
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4203.391+/-1839.544 χ^2/NDF: 57.4/50

All: -1288.833+/-1296.747 χ^2/NDF: 115.3/10

- sign -6713.909+/-1828.264 χ^2/NDF: 40.2/51

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 10285.218+/-1.884 χ^2/NDF: 1647418.0/26

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

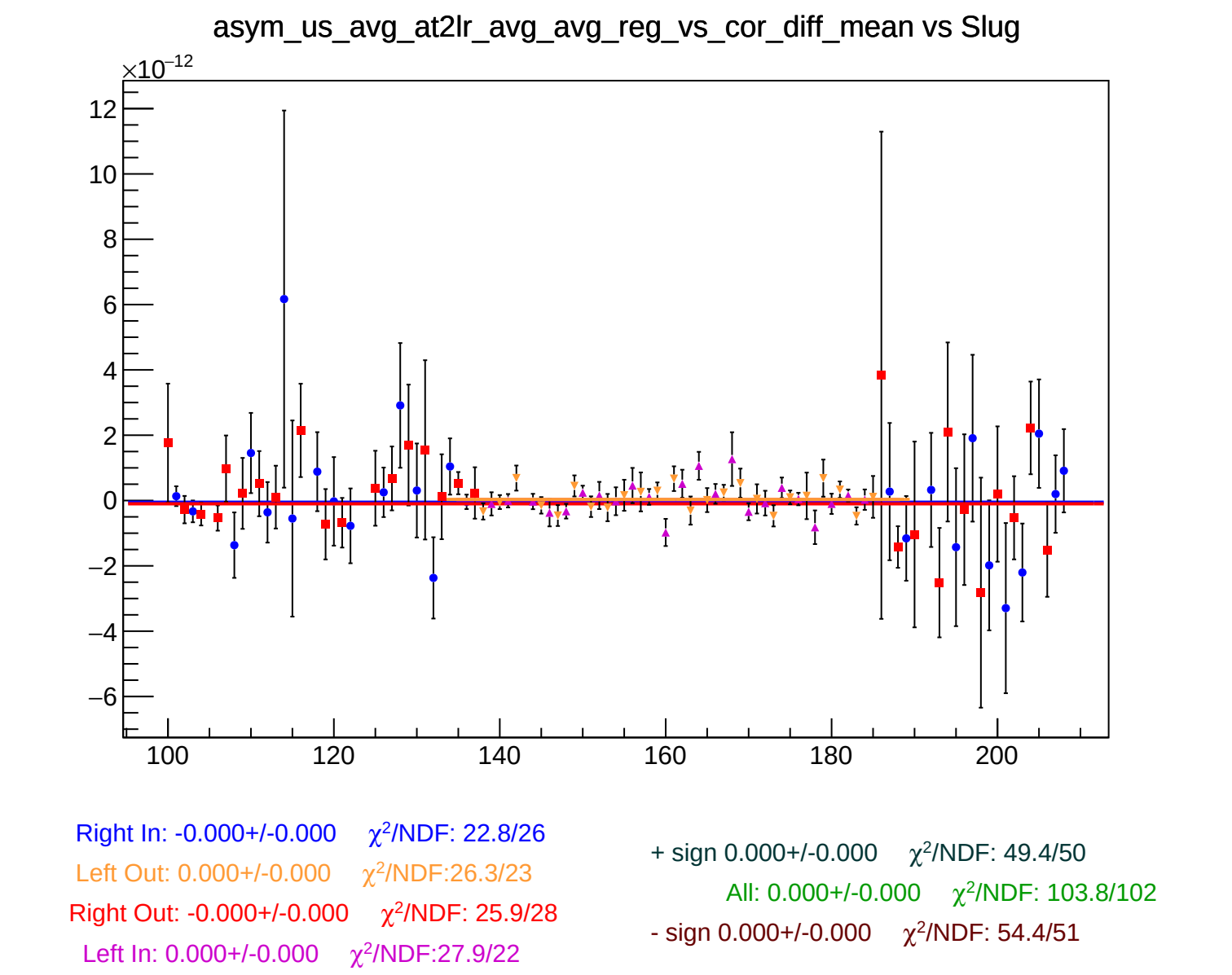
Right Out: 9282.148+/-1.776 χ^2/NDF: 4126673.2/28

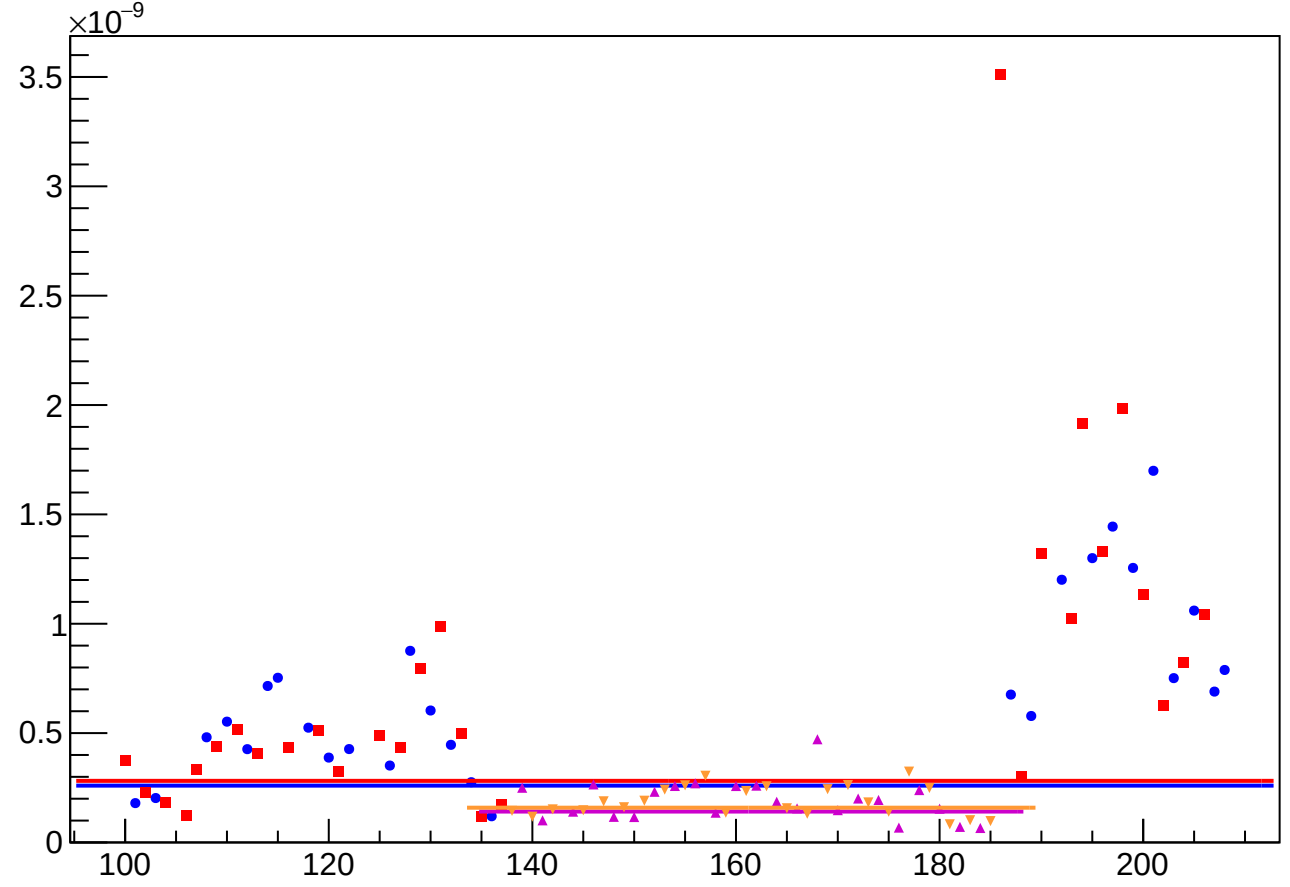
Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10526.008+/-1.301 χ^2/NDF: 2643249.1/50

All: 10233.390+/-0.905 χ^2/NDF: 8274788.1/1

- sign 9958.389+/-1.261 χ^2/NDF: 5533370.8/51


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 22.8/26
Left Out: 0.000+/-0.000 χ²/NDF:26.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 25.9/28
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
+ sign 0.000+/-0.000 χ²/NDF: 49.4/50
All: 0.000+/-0.000 χ²/NDF: 103.8/102
- sign 0.000+/-0.000 χ²/NDF: 54.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 5871353.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

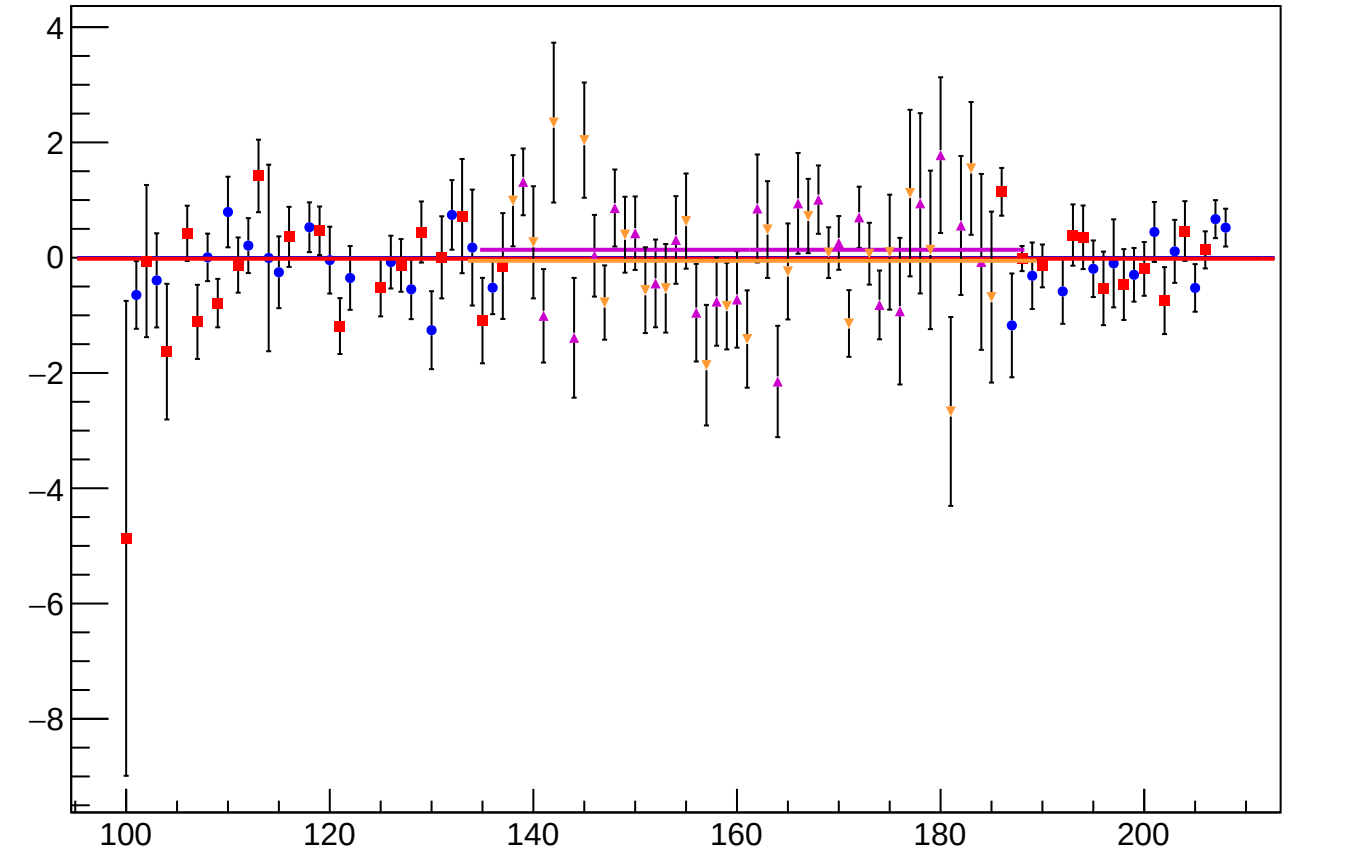
Right Out: 0.000+/-0.000 χ^2/NDF: 5746148.6/28

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8059338.1/50

All: 0.000+/-0.000 χ^2/NDF: 17831222.3/102

- sign 0.000+/-0.000 χ^2/NDF: 9693327.1/51



Right In: -0.005+/-0.100 χ^2/NDF: 25.5/26

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: -0.018+/-0.091 χ^2/NDF: 40.7/28

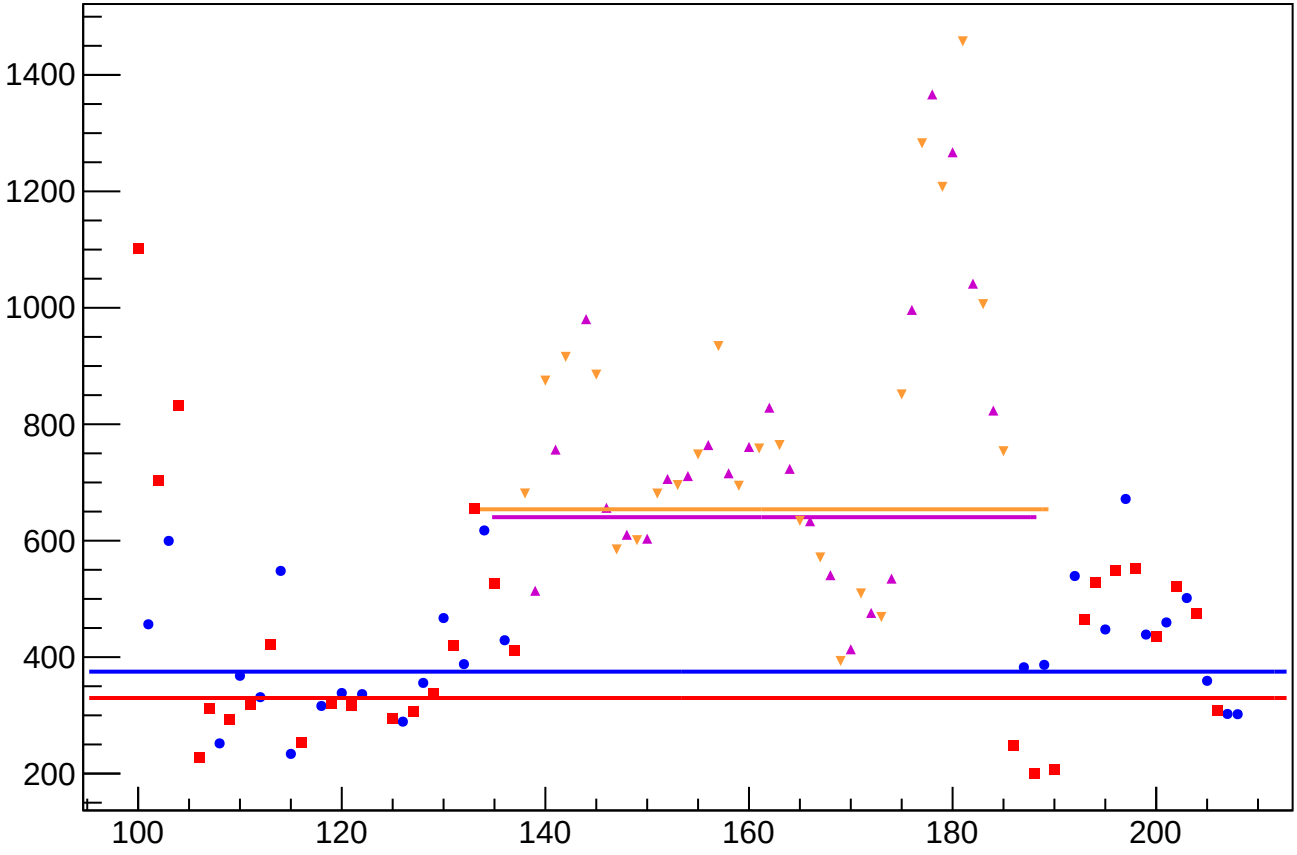
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.019+/-0.085 χ^2/NDF: 55.7/50

All: 0.003+/-0.058 χ^2/NDF: 127.3/102

- sign 0.021+/-0.079 χ^2/NDF: 71.4/51

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 375.069+/-0.071 χ^2/NDF: 1735969.2/26

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

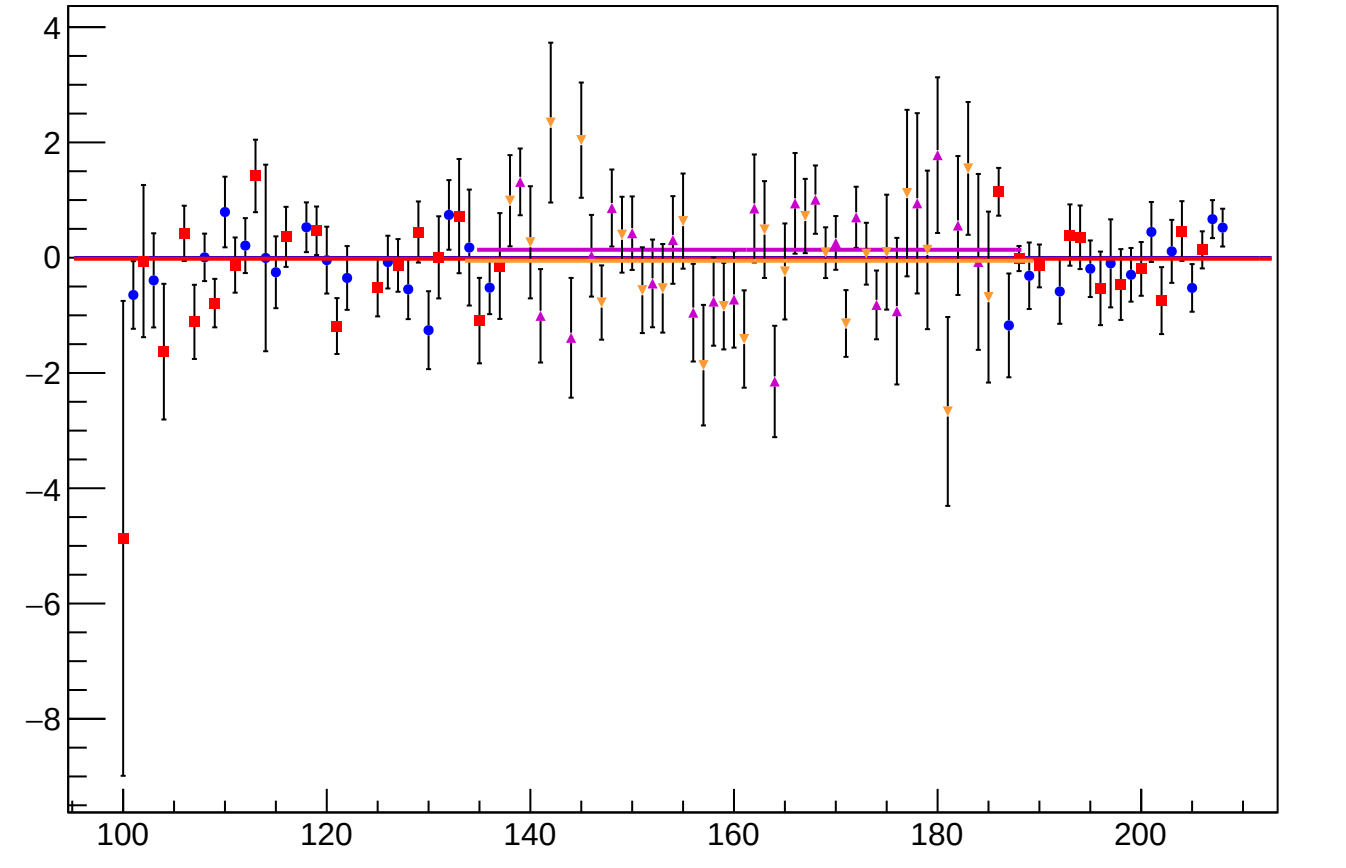
Right Out: 329.801+/-0.065 χ^2/NDF: 3590437.9/28

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 452.258+/-0.060 χ^2/NDF: 9182096.3/50

All: 428.514+/-0.041 χ^2/NDF: 21508928.7/10

- sign 407.868+/-0.056 χ^2/NDF: 12034220.8/51



Right In: -0.005+/-0.100 χ^2/NDF: 25.5/26

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

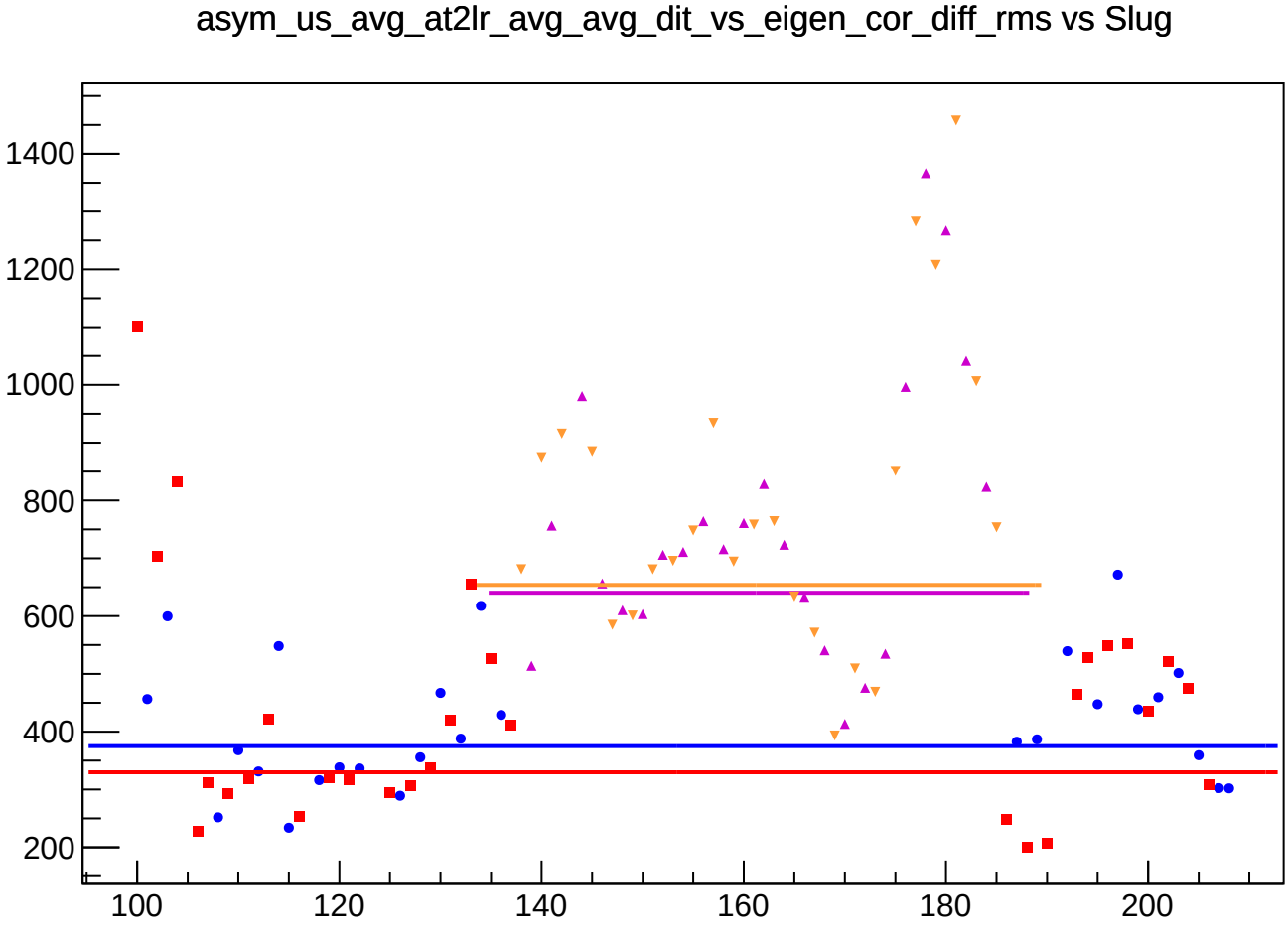
Right Out: -0.018+/-0.091 χ^2/NDF: 40.7/28

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.019+/-0.085 χ^2/NDF: 55.7/50

All: 0.003+/-0.058 χ^2/NDF: 127.3/102

- sign 0.021+/-0.079 χ^2/NDF: 71.4/51



Right In: 375.069+/-0.071 χ^2/NDF: 1735969.2/26

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

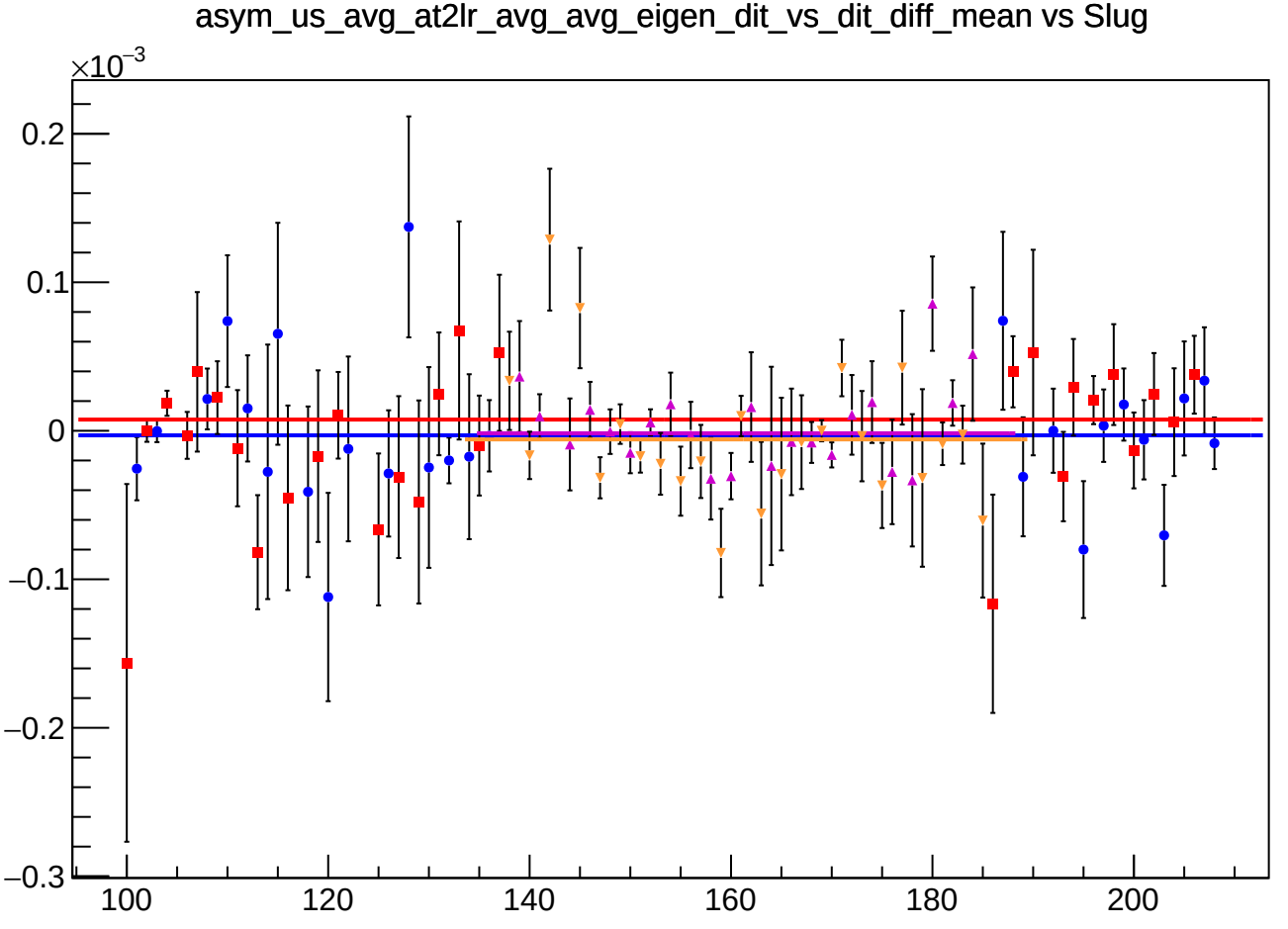
Right Out: 329.801+/-0.065 χ^2/NDF: 3590437.9/28

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 452.258+/-0.060 χ^2/NDF: 9182096.3/50

All: 428.514+/-0.041 χ^2/NDF: 21508928.7/10

- sign 407.868+/-0.056 χ^2/NDF: 12034220.8/51



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

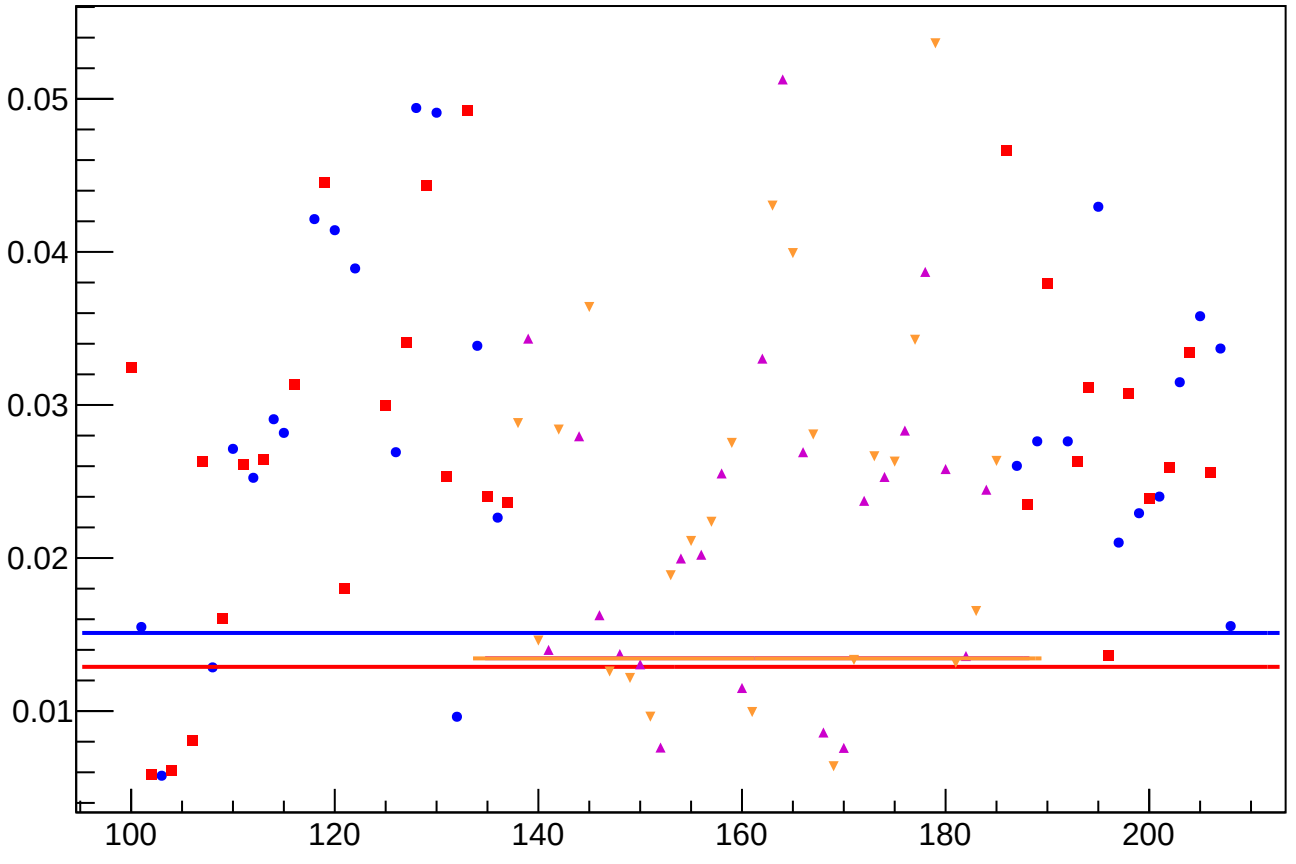
Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/28

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.1/50

All: -0.000+/-0.000 χ^2/NDF: 129.1/102

- sign 0.000+/-0.000 χ^2/NDF: 56.8/51



Right In: 0.015+/-0.000 χ^2/NDF: 9891479.0/26

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

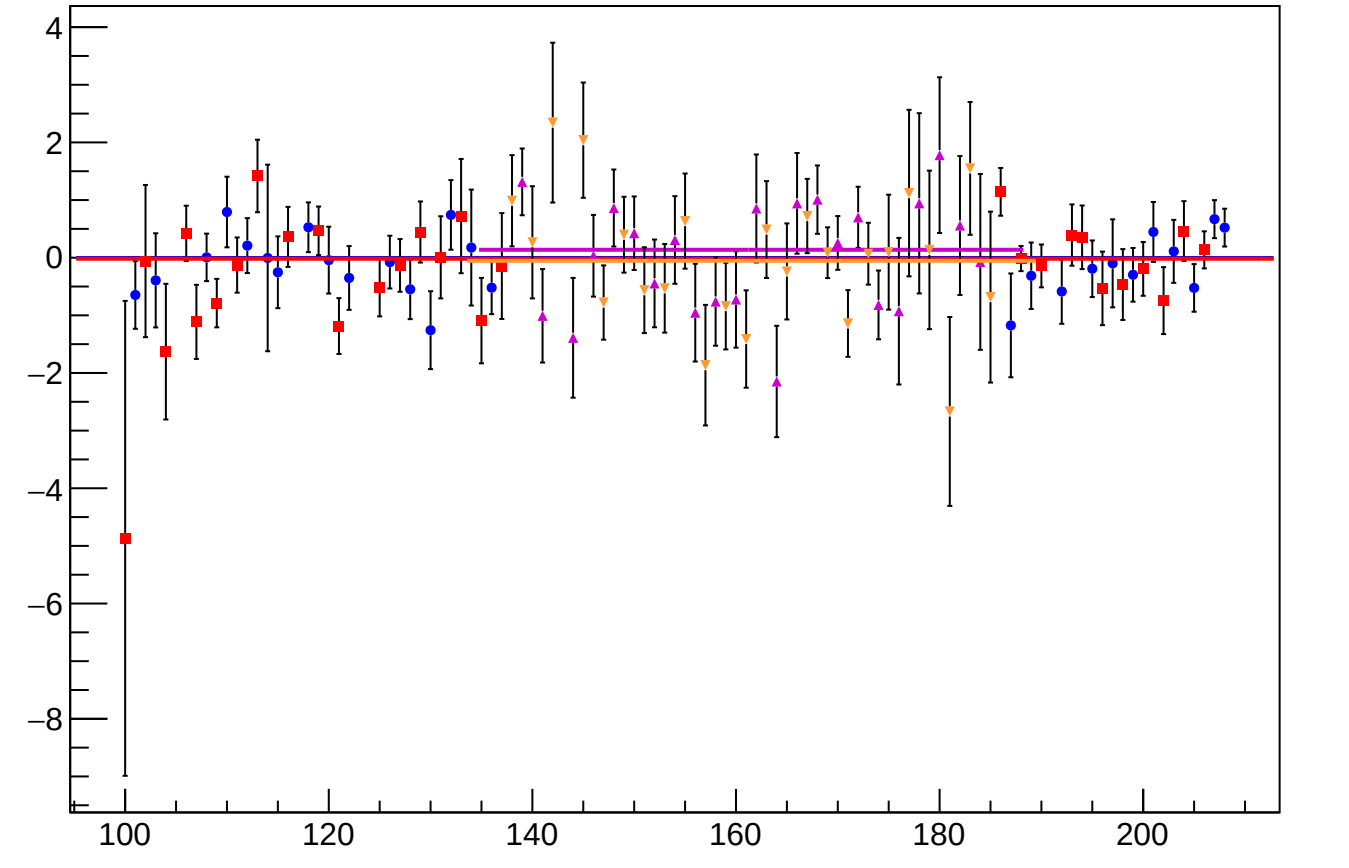
Right Out: 0.013+/-0.000 χ^2/NDF: 11357485.7/28

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.014+/-0.000 χ^2/NDF: 18902043.9/50

All: 0.014+/-0.000 χ^2/NDF: 37924380.4/102

- sign 0.013+/-0.000 χ^2/NDF: 18926453.4/51



Right In: -0.005+/-0.100 χ^2/NDF: 25.5/26

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

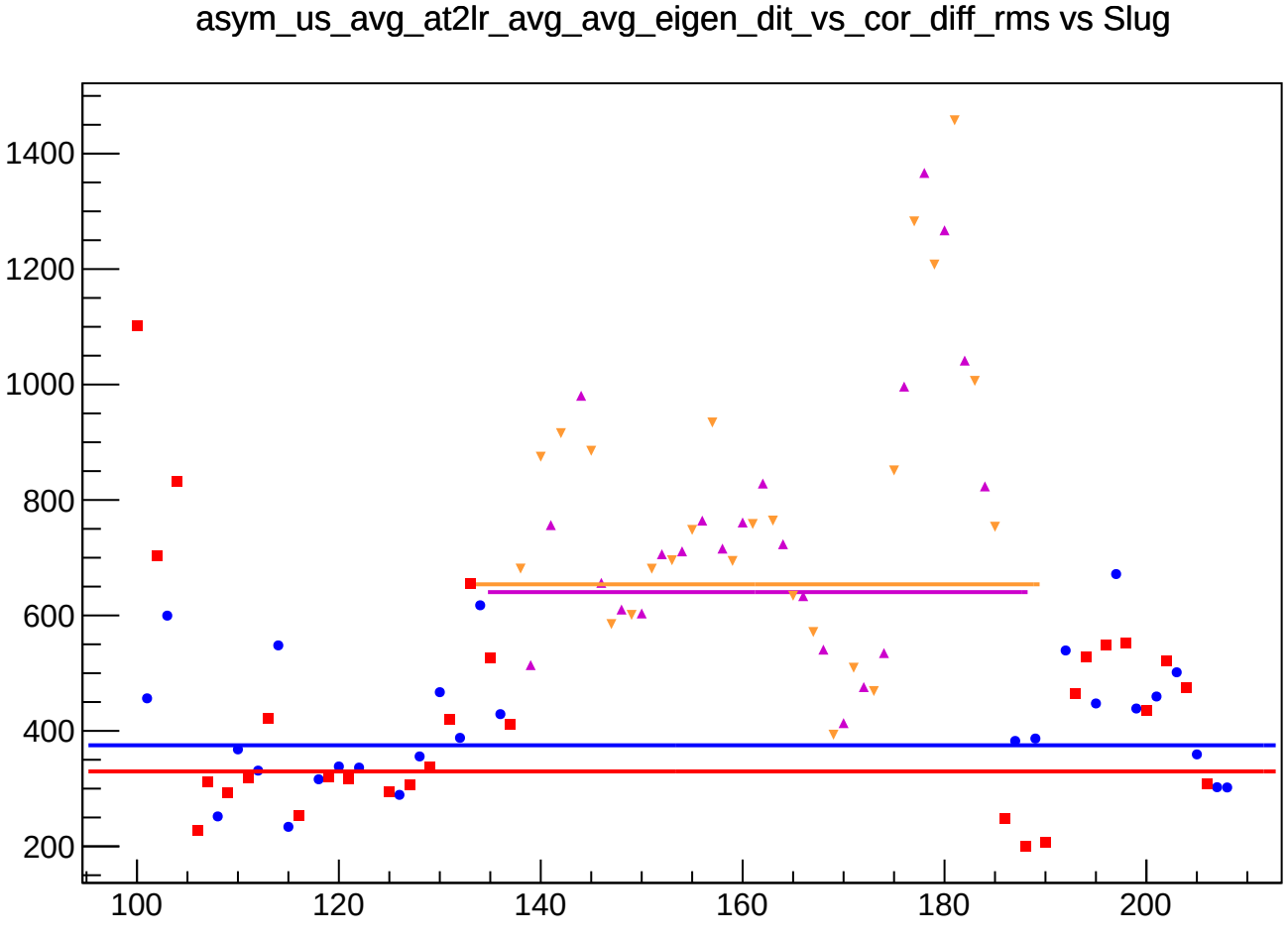
Right Out: -0.018+/-0.091 χ^2/NDF: 40.7/28

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

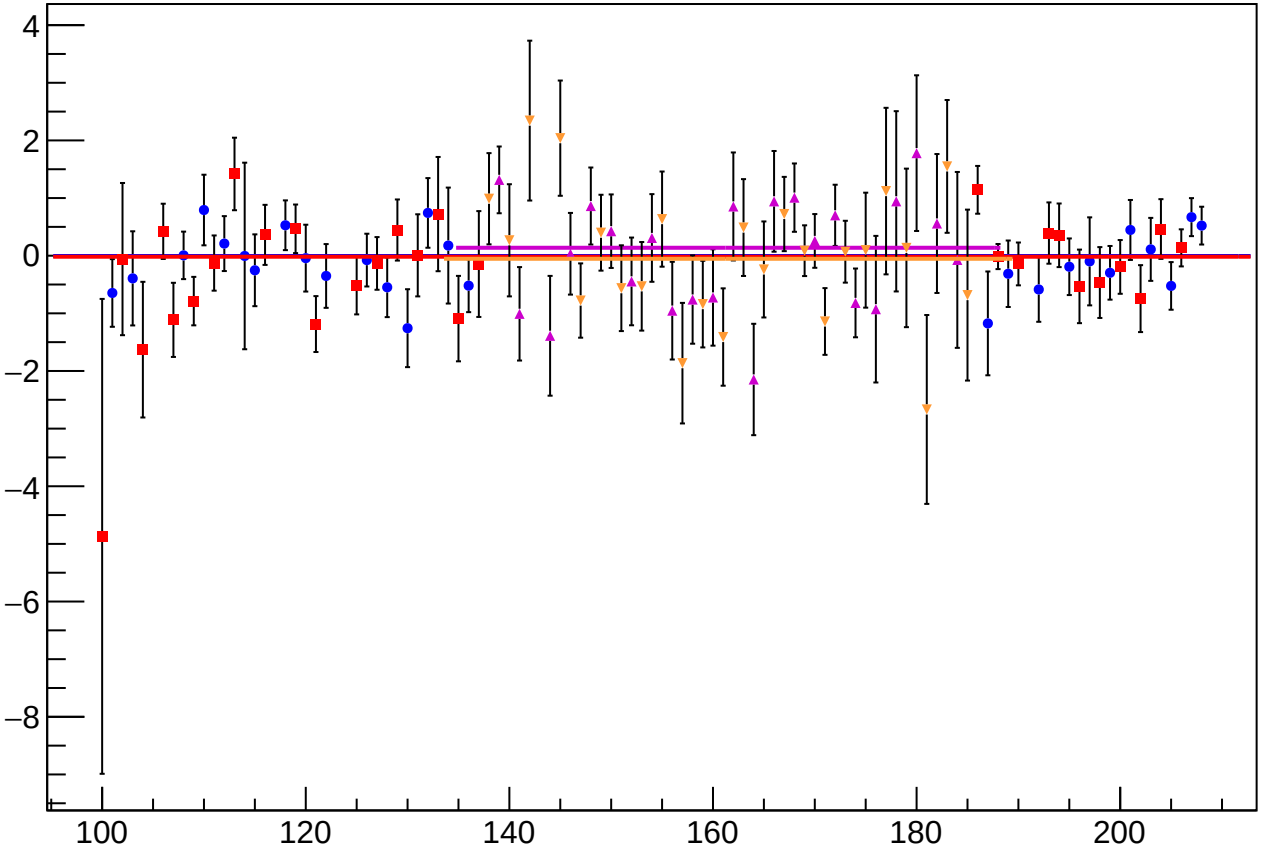
+ sign -0.019+/-0.085 χ^2/NDF: 55.7/50

All: 0.003+/-0.058 χ^2/NDF: 127.3/102

- sign 0.021+/-0.079 χ^2/NDF: 71.4/51


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 375.070+/-0.071 χ²/NDF: 1735945.6/26
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 329.796+/-0.065 χ²/NDF: 3590657.9/28
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 452.258+/-0.060 χ²/NDF: 9182272.1/50
All: 428.511+/-0.041 χ²/NDF: 21509813.3/10
- sign 407.863+/-0.056 χ²/NDF: 12034861.6/51

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.100 χ^2/NDF: 25.5/26

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

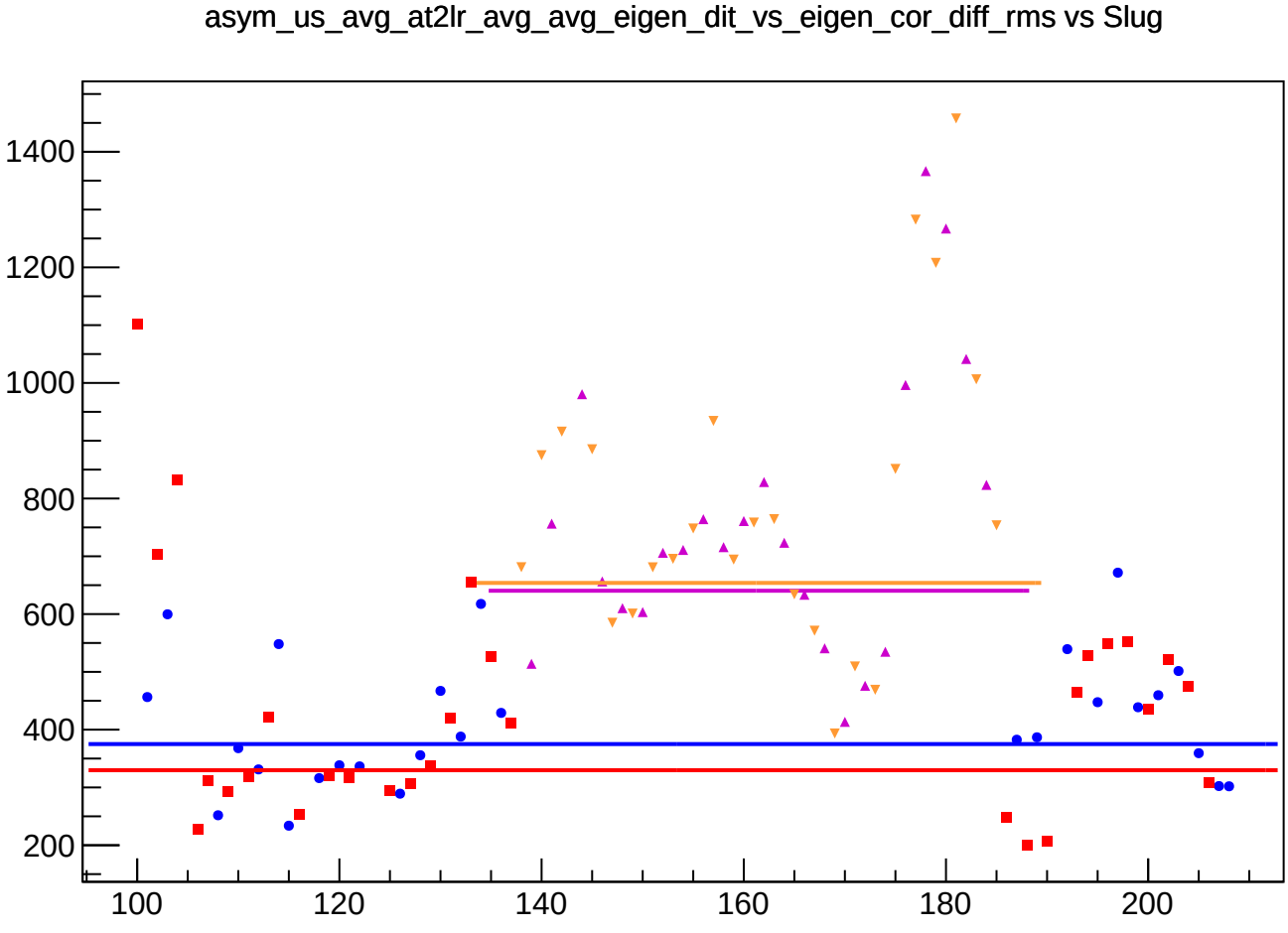
Right Out: -0.018+/-0.091 χ^2/NDF: 40.7/28

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.019+/-0.085 χ^2/NDF: 55.7/50

All: 0.003+/-0.058 χ^2/NDF: 127.3/102

- sign 0.021+/-0.079 χ^2/NDF: 71.4/51



Right In: 375.070+/-0.071 χ^2/NDF: 1735945.6/26

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

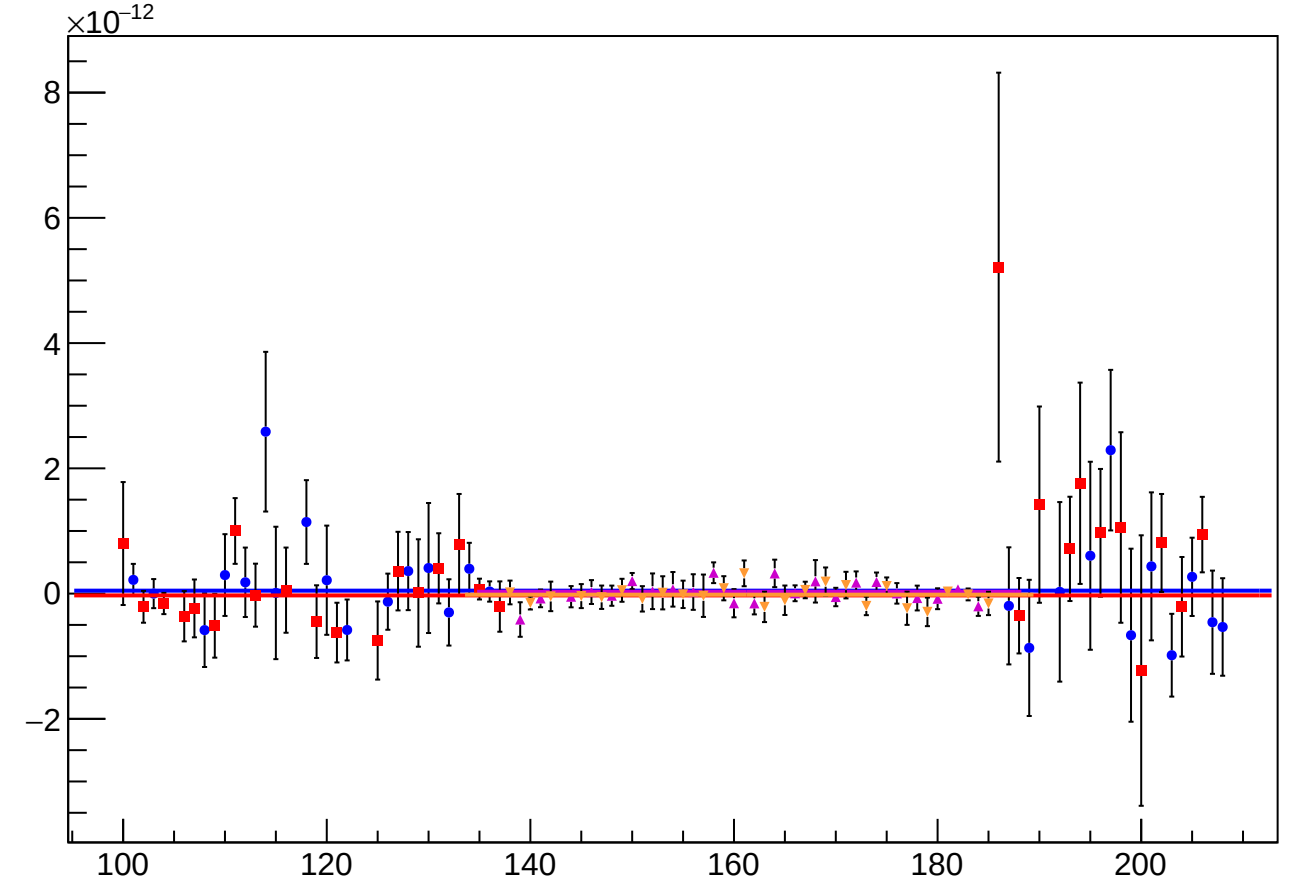
Right Out: 329.796+/-0.065 χ^2/NDF: 3590657.9/28

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 452.258+/-0.060 χ^2/NDF: 9182272.1/50

All: 428.511+/-0.041 χ^2/NDF: 21509813.3/10

- sign 407.863+/-0.056 χ^2/NDF: 12034861.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

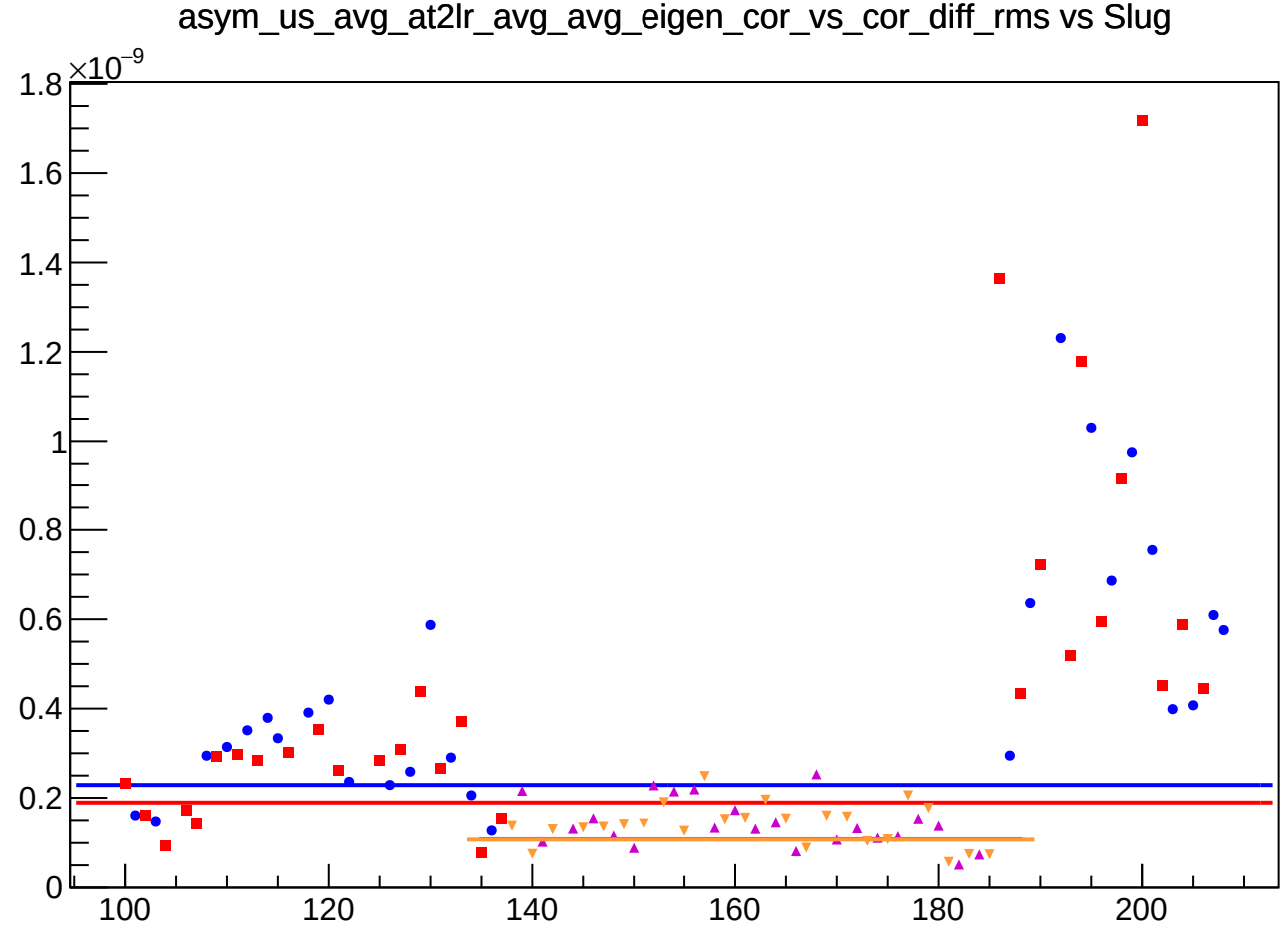
Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/28

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.2/50

All: 0.000+/-0.000 χ^2/NDF: 77.0/102

- sign 0.000+/-0.000 χ^2/NDF: 43.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 6056274.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7295369.7/28

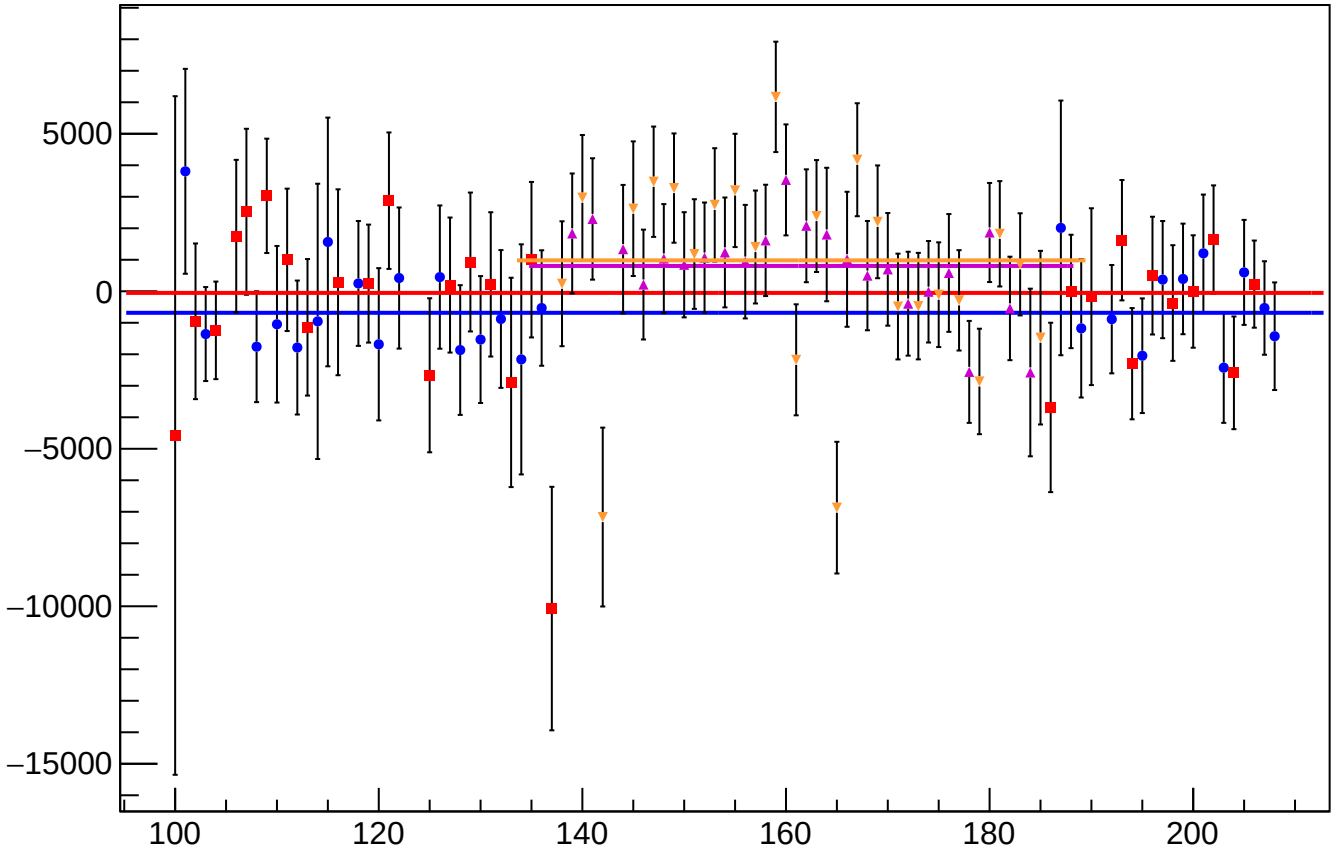
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12631314.4/50

All: 0.000+/-0.000 χ^2/NDF: 25480603.4/102

- sign 0.000+/-0.000 χ^2/NDF: 12845767.9/51

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -683.239+/-391.005 χ^2/NDF: 9.2/26

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -51.664+/-390.130 χ^2/NDF: 24.0/28

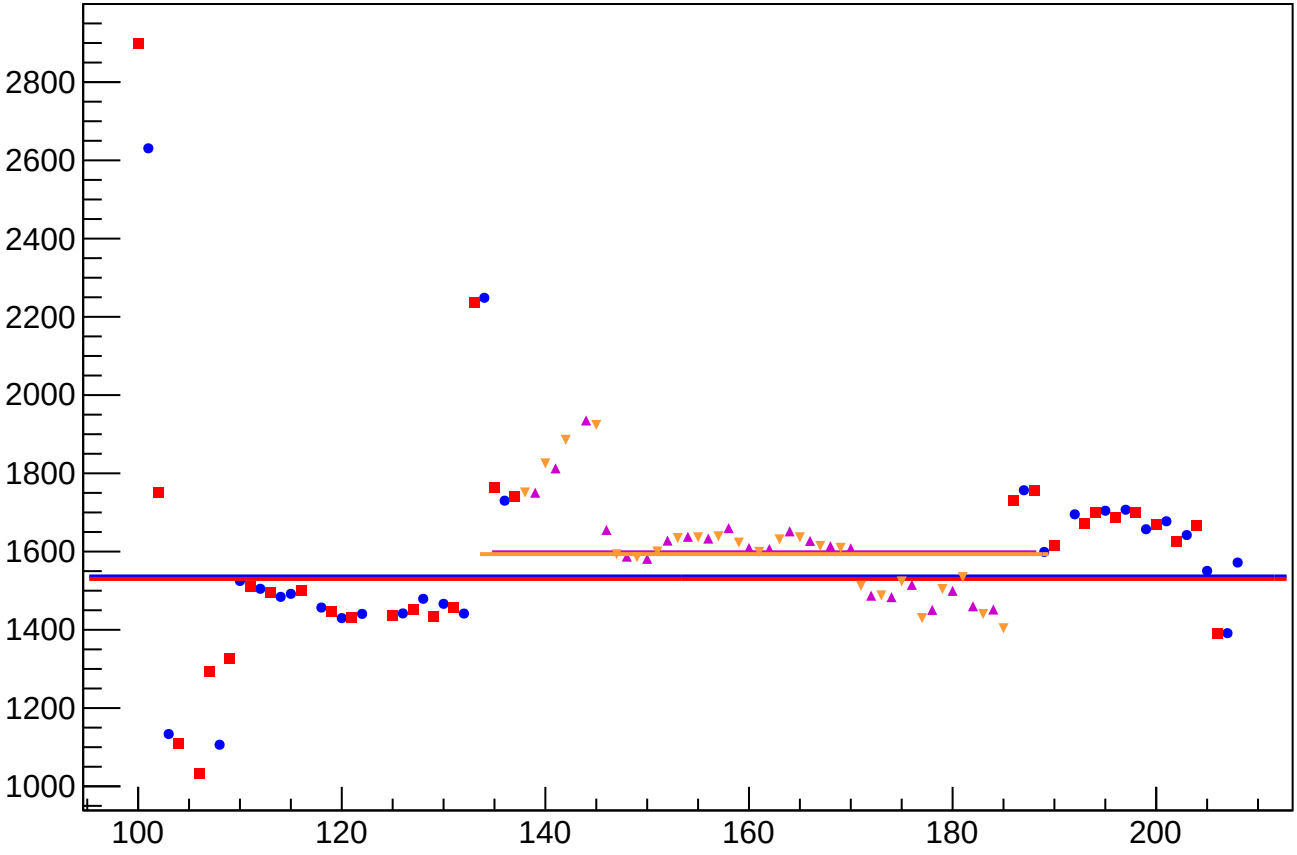
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

\+ sign 193.224+/-269.071 χ^2/NDF: 74.3/50

All: 293.314+/-190.591 χ^2/NDF: 113.5/102

\- sign 394.100+/-270.005 χ^2/NDF: 38.9/51

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1536.379+/-0.276 χ^2/NDF: 719794.9/26

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

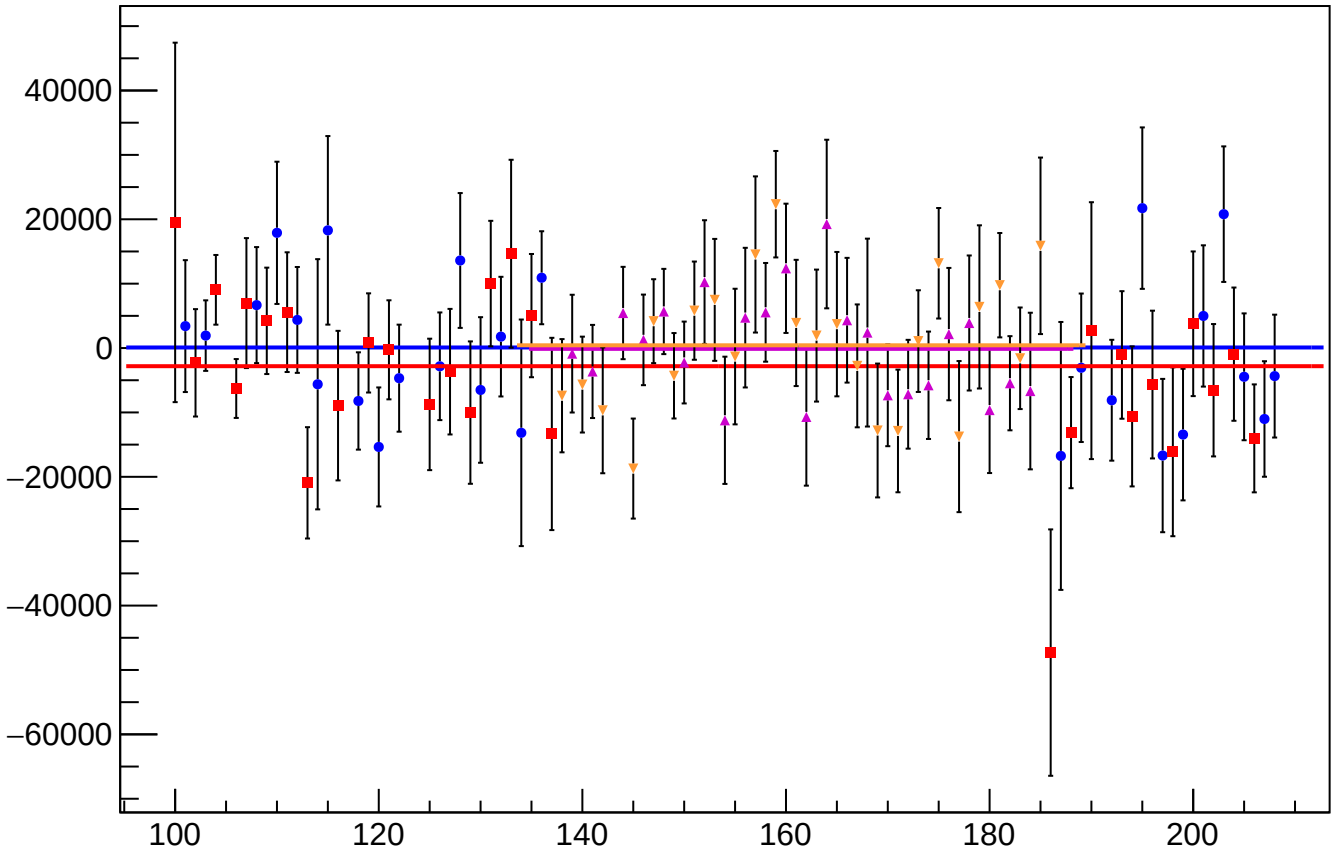
Right Out: 1530.145+/-0.275 χ^2/NDF: 636236.8/28

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1566.441+/-0.190 χ^2/NDF: 929864.6/50

All: 1565.937+/-0.135 χ^2/NDF: 1767030.2/10

- sign 1565.432+/-0.191 χ^2/NDF: 837151.6/51



Right In: 87.672+/-1858.156 χ^2/NDF: 28.8/26

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: -2818.122+/-1717.974 χ^2/NDF: 29.5/28

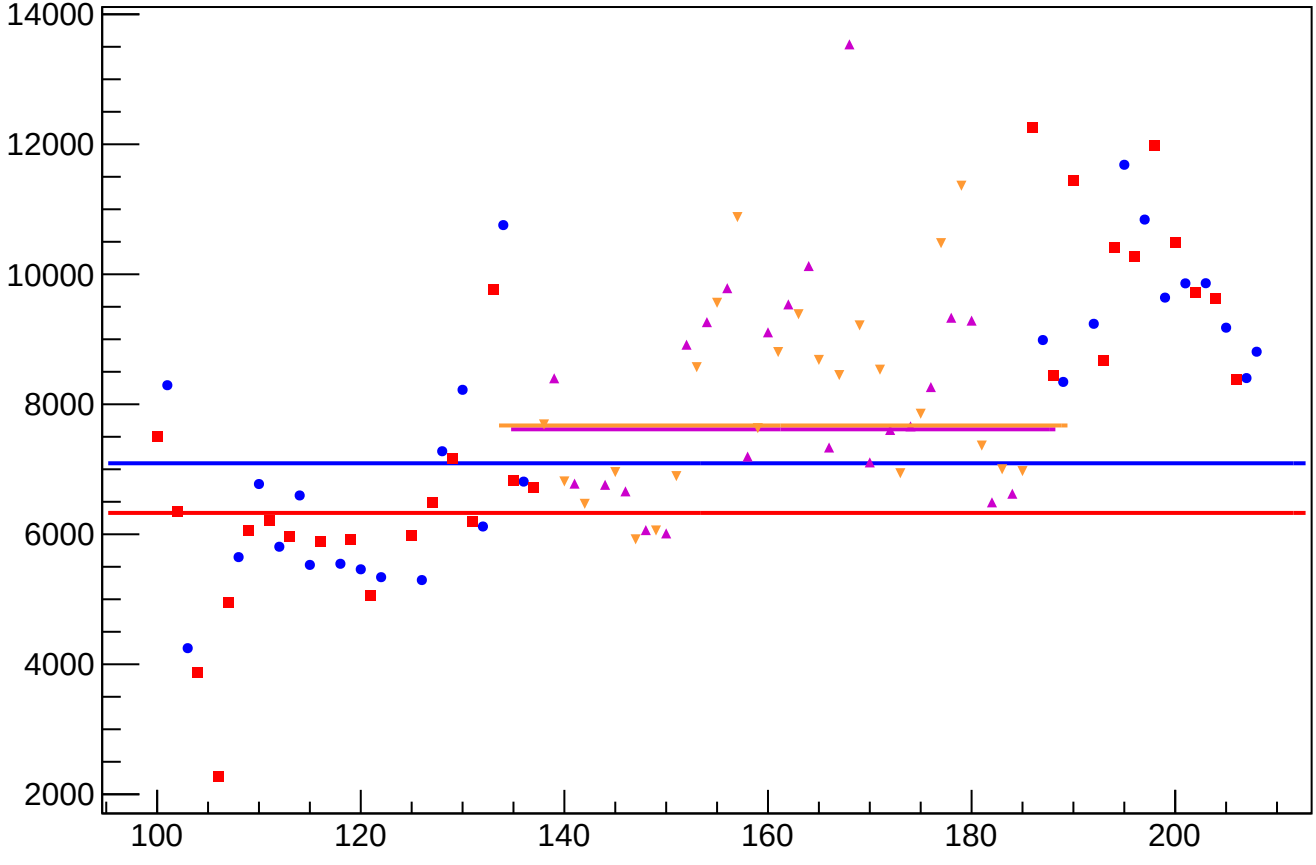
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 260.715+/-1300.170 χ^2/NDF: 58.2/50

All: -679.880+/-900.208 χ^2/NDF: 103.7/102

- sign -1545.988+/-1247.627 χ^2/NDF: 44.5/51

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 7092.424+/-1.314 χ^2/NDF: 2350735.1/26

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6328.701+/-1.215 χ^2/NDF: 4488883.6/28

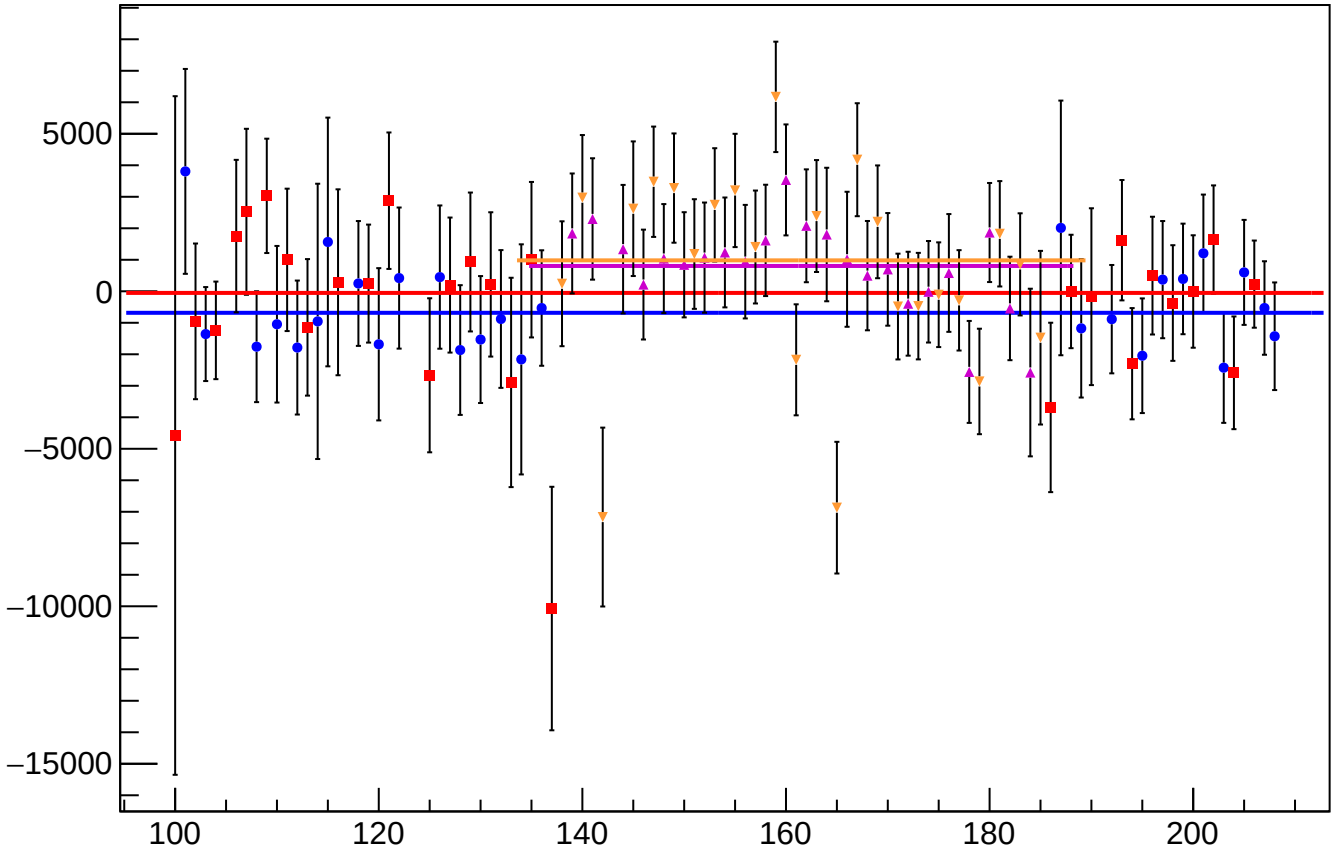
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7389.294+/-0.919 χ^2/NDF: 3527468.2/50

All: 7153.615+/-0.637 χ^2/NDF: 9896959.9/10

- sign 6936.599+/-0.882 χ^2/NDF: 6243263.1/51

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -683.307+/-391.005 χ^2/NDF: 9.2/26

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -51.712+/-390.130 χ^2/NDF: 24.0/28

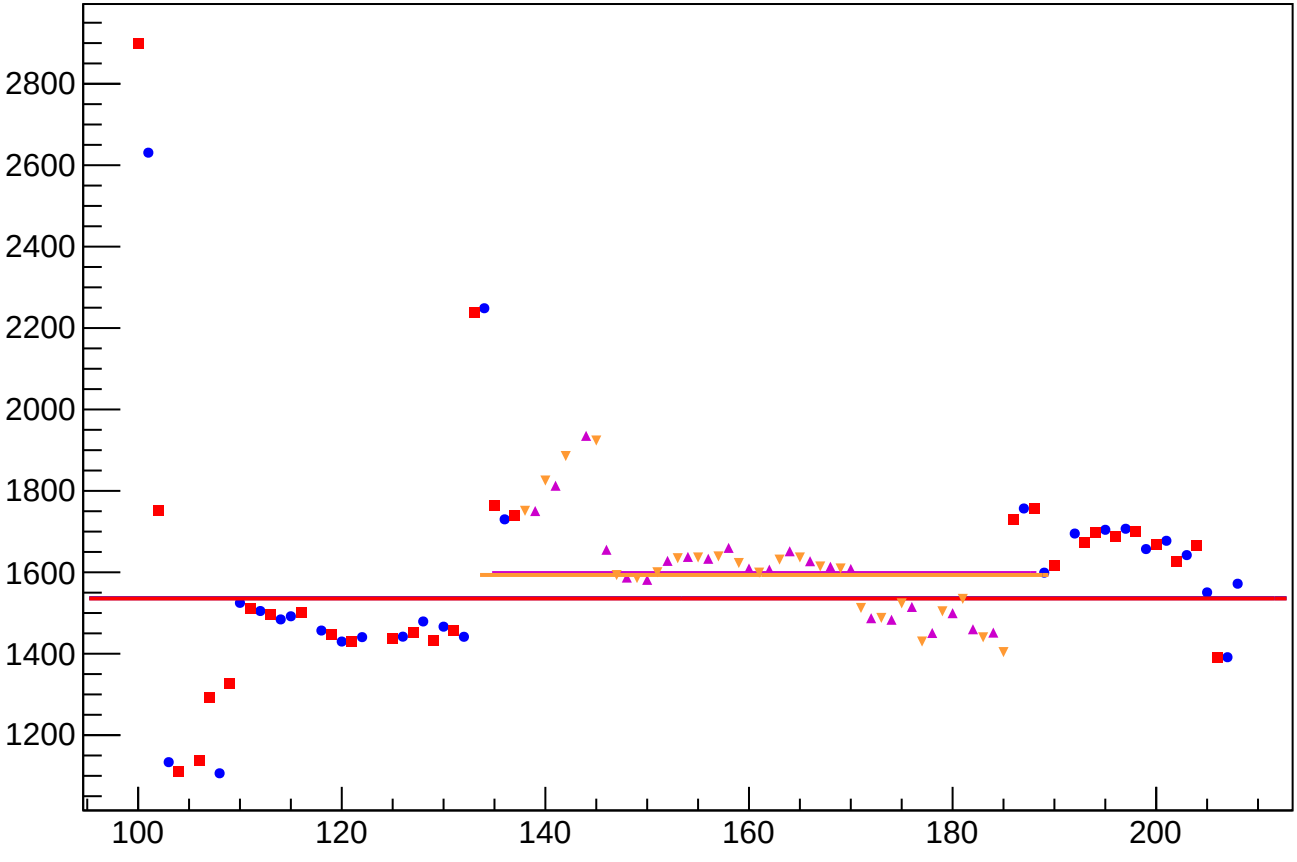
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 193.236+/-269.071 χ^2/NDF: 74.3/50

All: 293.276+/-190.591 χ^2/NDF: 113.6/102

\- sign 394.011+/-270.005 χ^2/NDF: 38.9/51

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1536.379+/-0.276 χ^2/NDF: 719795.3/26

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

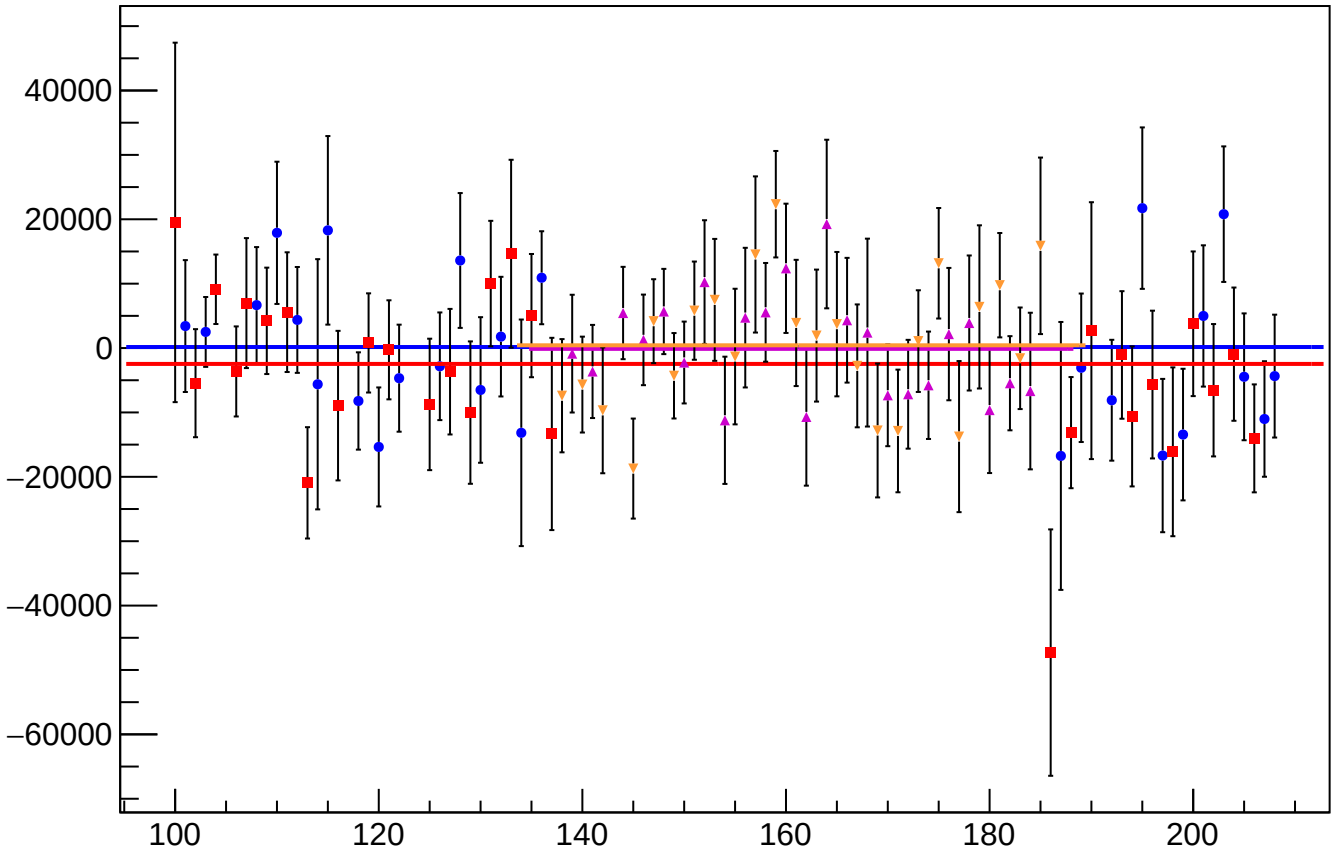
Right Out: 1535.668+/-0.276 χ^2/NDF: 584563.2/28

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1566.441+/-0.190 χ^2/NDF: 929865.1/50

All: 1567.303+/-0.135 χ^2/NDF: 1710360.7/10

- sign 1568.169+/-0.191 χ^2/NDF: 780454.5/51



Right In: 158.787+/-1856.082 χ^2/NDF: 28.9/26

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

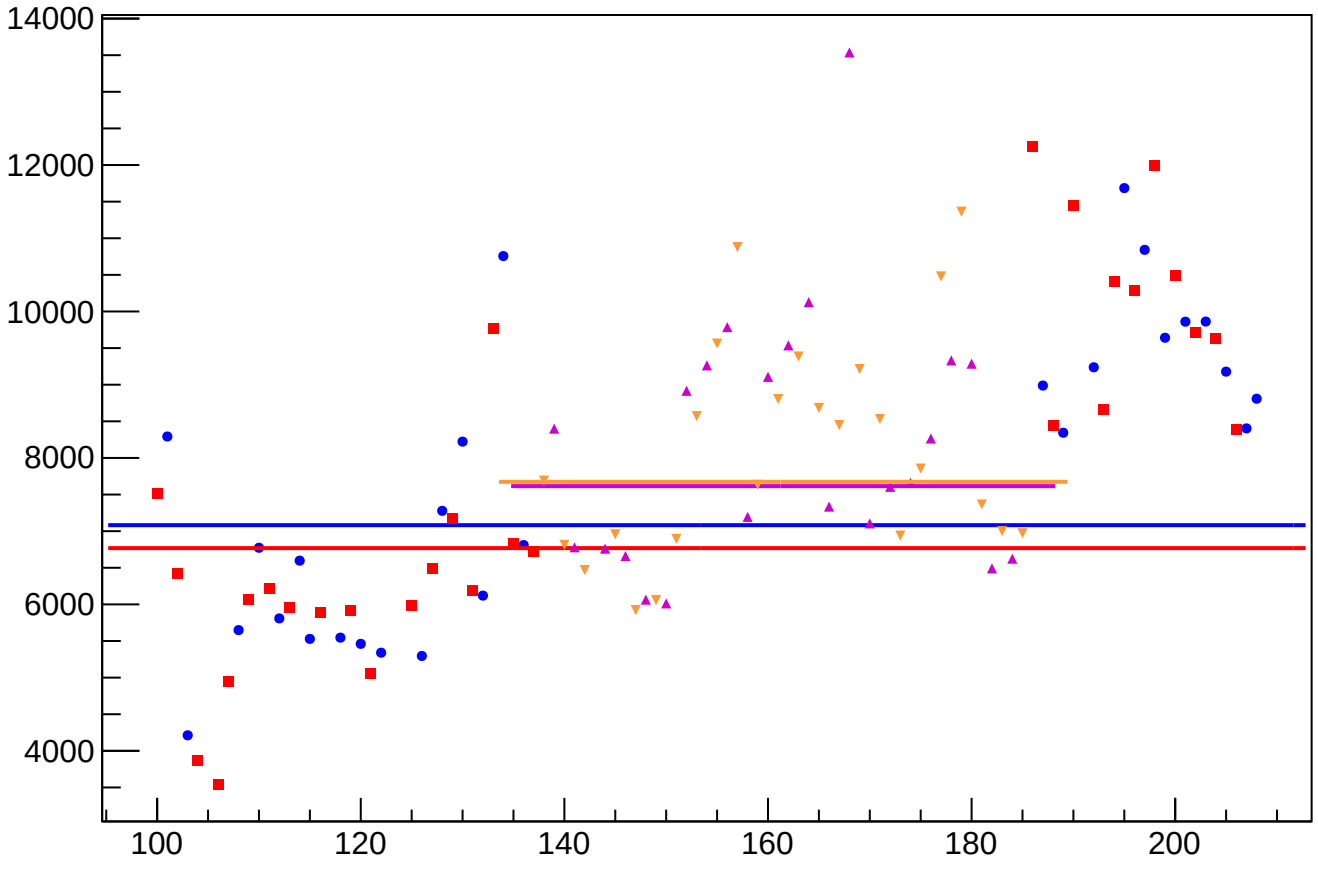
Right Out: -2465.446+/-1791.809 χ^2/NDF: 29.0/28

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 295.383+/-1299.459 χ^2/NDF: 58.3/50

All: -522.949+/-910.108 χ^2/NDF: 102.8/102

- sign -1310.839+/-1275.061 χ^2/NDF: 43.7/51



Right In: 7081.889+/-1.312 χ^2/NDF: 2374994.5/26

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

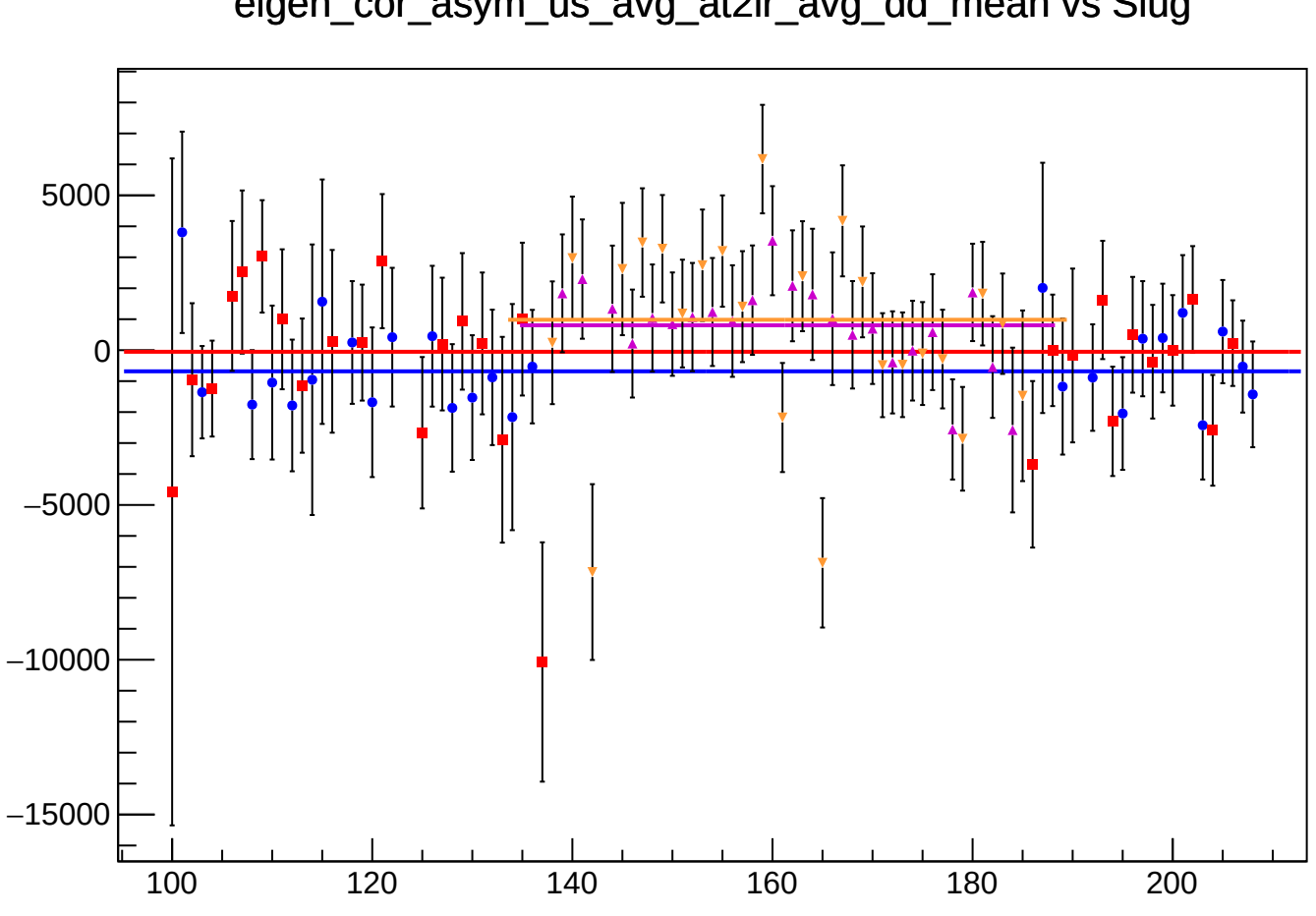
Right Out: 6768.456+/-1.267 χ^2/NDF: 3118432.5/28

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7383.808+/-0.919 χ^2/NDF: 3555501.4/50

All: 7283.186+/-0.644 χ^2/NDF: 8142340.7/10

- sign 7186.307+/-0.902 χ^2/NDF: 4563301.6/51



Right In: -683.307+/-391.005 χ^2/NDF: 9.2/26

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -51.712+/-390.130 χ^2/NDF: 24.0/28

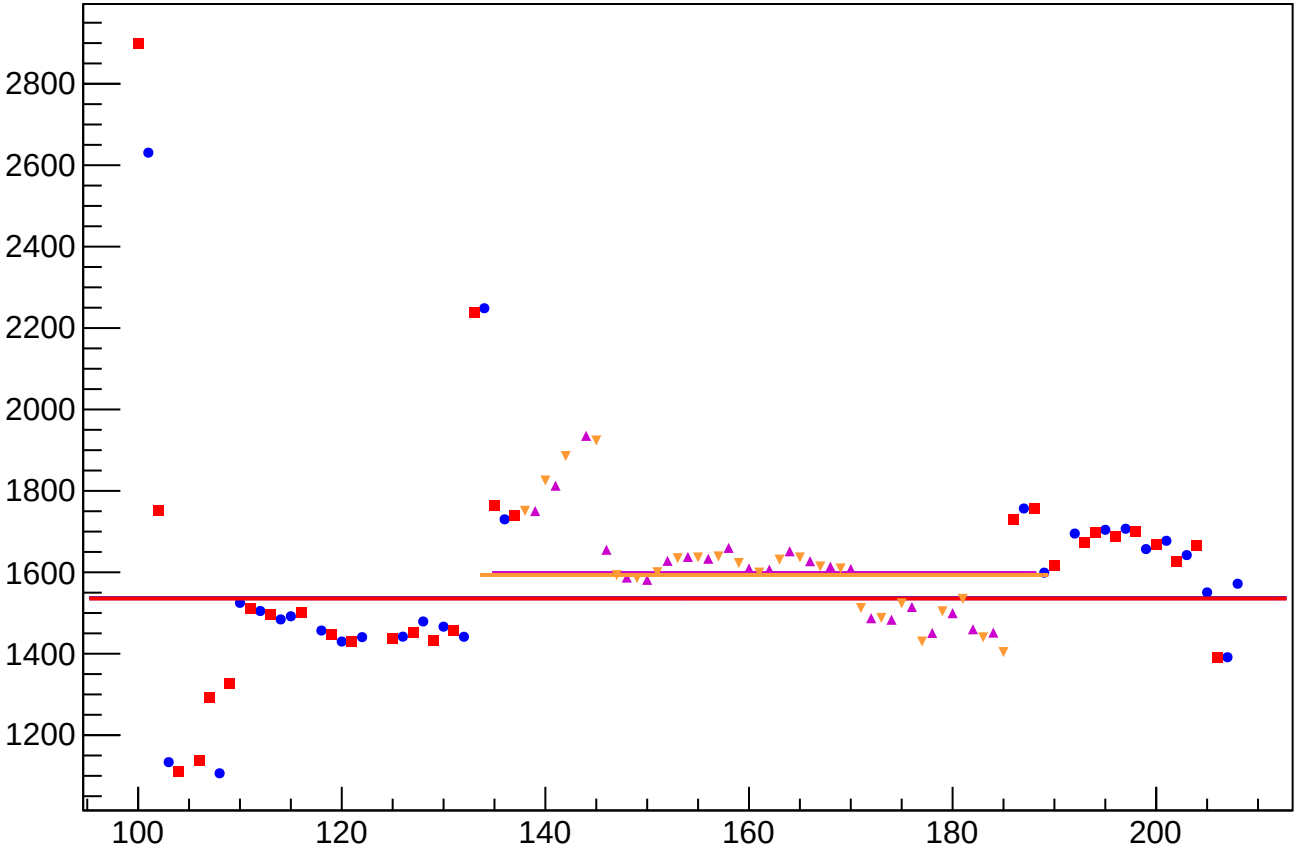
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 193.236+/-269.071 χ^2/NDF: 74.3/50

All: 293.276+/-190.591 χ^2/NDF: 113.6/102

\- sign 394.011+/-270.005 χ^2/NDF: 38.9/51

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1536.379+/-0.276 χ^2/NDF: 719795.3/26

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

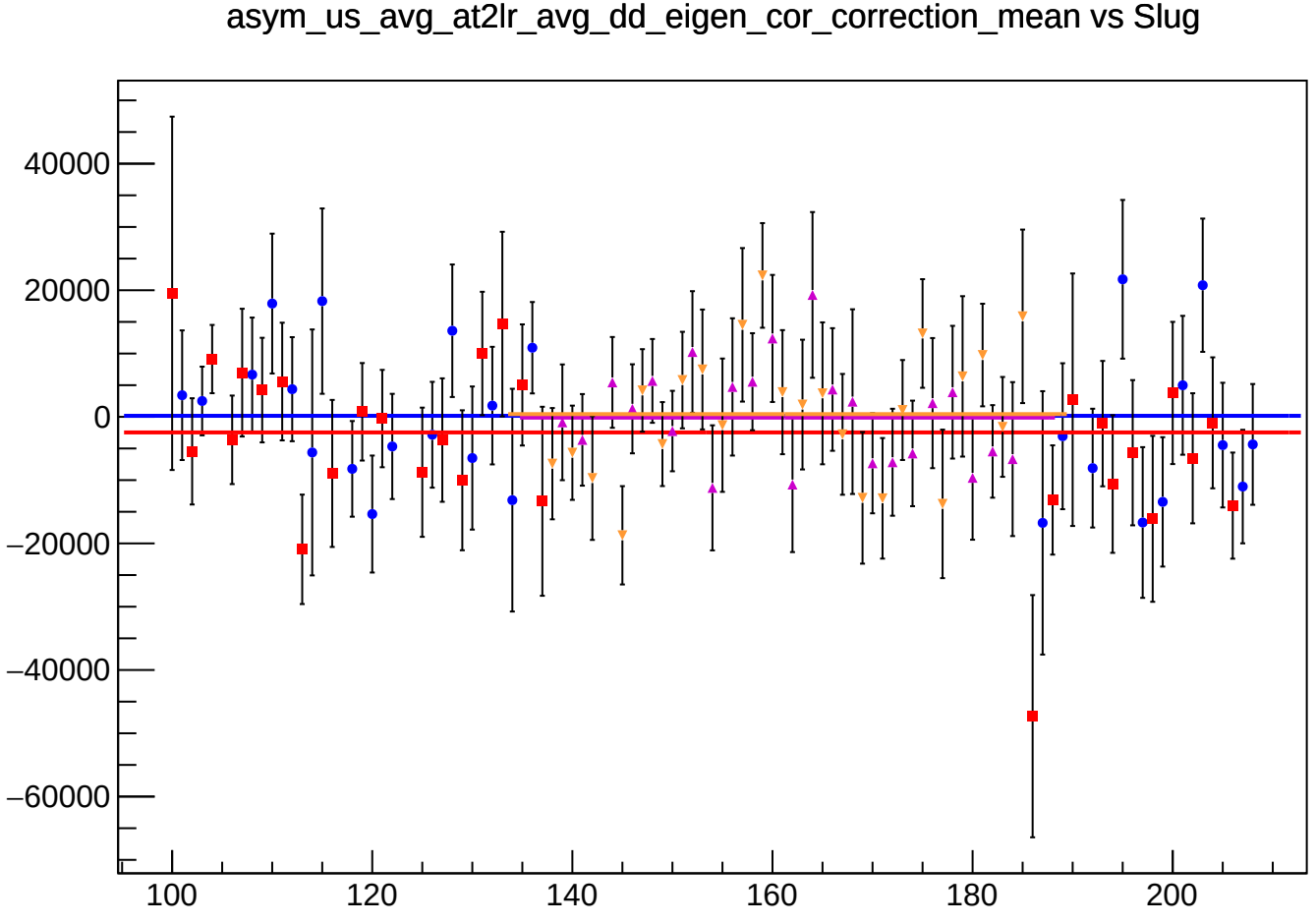
Right Out: 1535.668+/-0.276 χ^2/NDF: 584563.2/28

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

\+ sign 1566.441+/-0.190 χ^2/NDF: 929865.1/50

All: 1567.303+/-0.135 χ^2/NDF: 1710360.7/10

\- sign 1568.169+/-0.191 χ^2/NDF: 780454.5/51



Right In: 158.787+/-1856.082 χ^2/NDF: 28.9/26

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

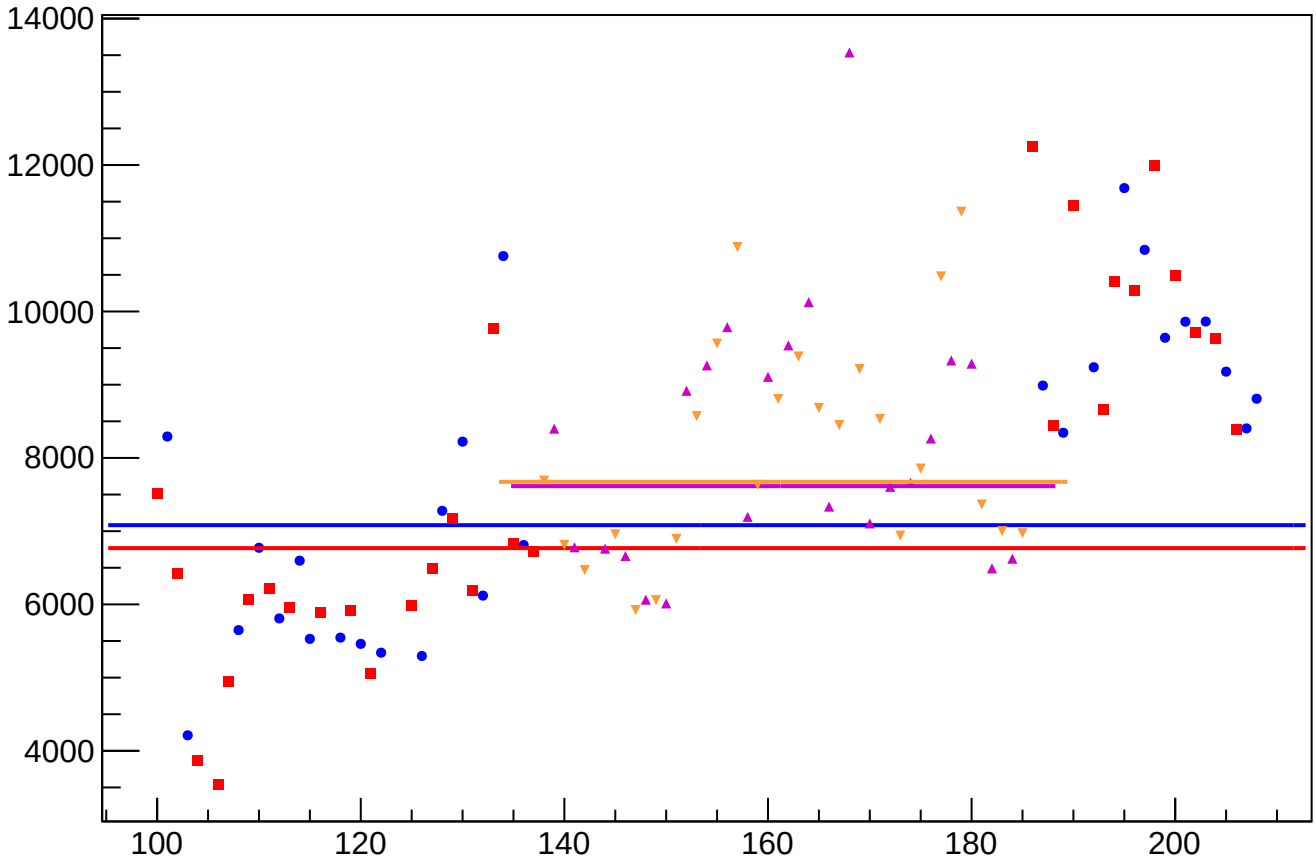
Right Out: -2465.446+/-1791.809 χ^2/NDF: 29.0/28

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 295.383+/-1299.459 χ^2/NDF: 58.3/50

All: -522.949+/-910.108 χ^2/NDF: 102.8/102

- sign -1310.839+/-1275.061 χ^2/NDF: 43.7/51



Right In: 7081.889+/-1.312 χ^2/NDF: 2374994.5/26

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6768.456+/-1.267 χ^2/NDF: 3118432.5/28

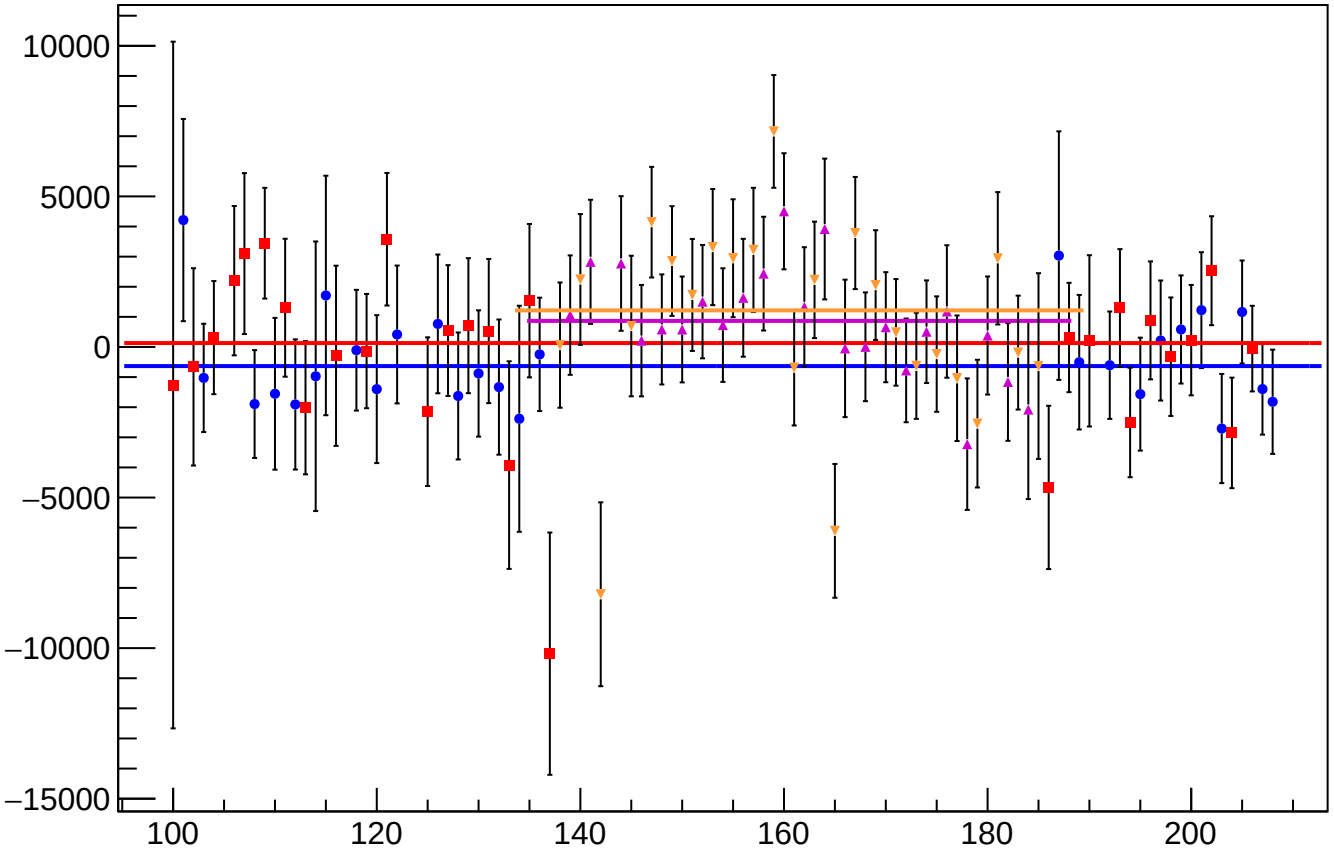
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7383.808+/-0.919 χ^2/NDF: 3555501.4/50

All: 7283.186+/-0.644 χ^2/NDF: 8142340.7/10

- sign 7186.307+/-0.902 χ^2/NDF: 4563301.6/51

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -634.462+/-404.931 χ^2/NDF: 10.5/26

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 130.129+/-406.054 χ^2/NDF: 28.4/28

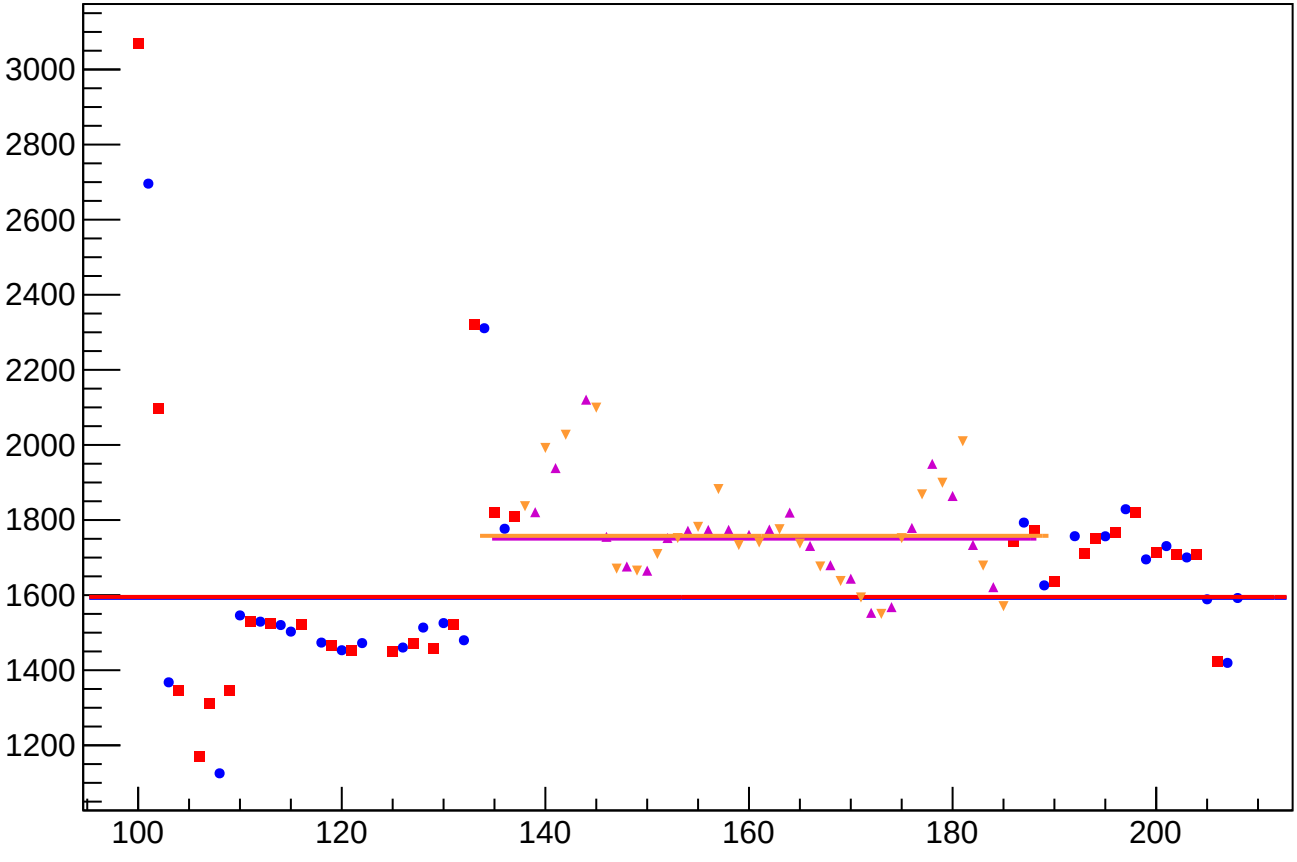
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

\+ sign 279.878+/-287.961 χ^2/NDF: 69.3/50

All: 386.972+/-203.817 χ^2/NDF: 114.8/102

\- sign 494.483+/-288.522 χ^2/NDF: 45.2/51

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1592.694+/-0.286 χ^2/NDF: 630823.5/26

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

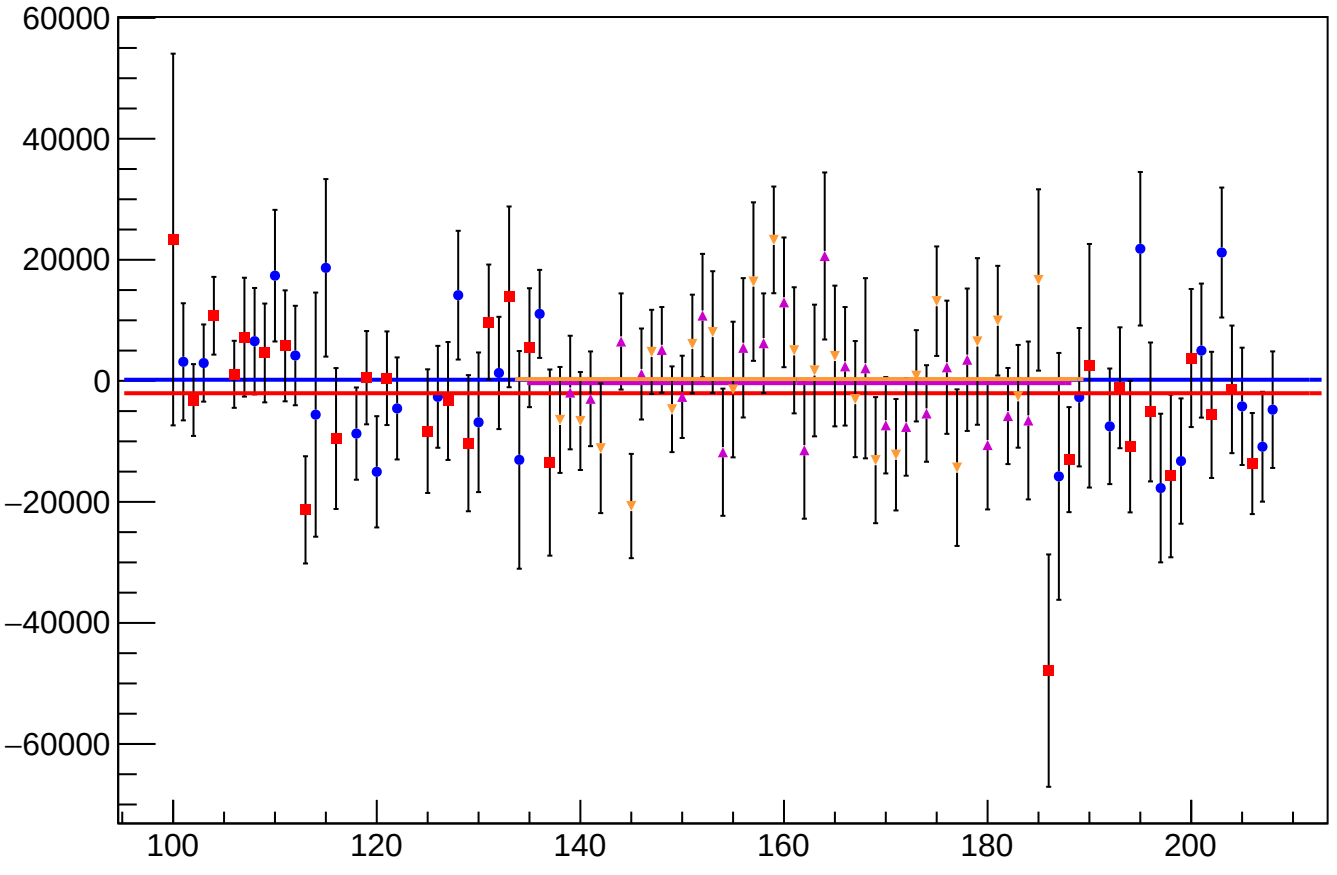
Right Out: 1595.239+/-0.287 χ^2/NDF: 531161.5/28

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1674.386+/-0.204 χ^2/NDF: 1008786.3/50

All: 1673.239+/-0.144 χ^2/NDF: 1856653.9/10

- sign 1672.089+/-0.204 χ^2/NDF: 847804.2/51



Right In: 181.662+/-1891.921 χ^2/NDF: 28.7/26

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

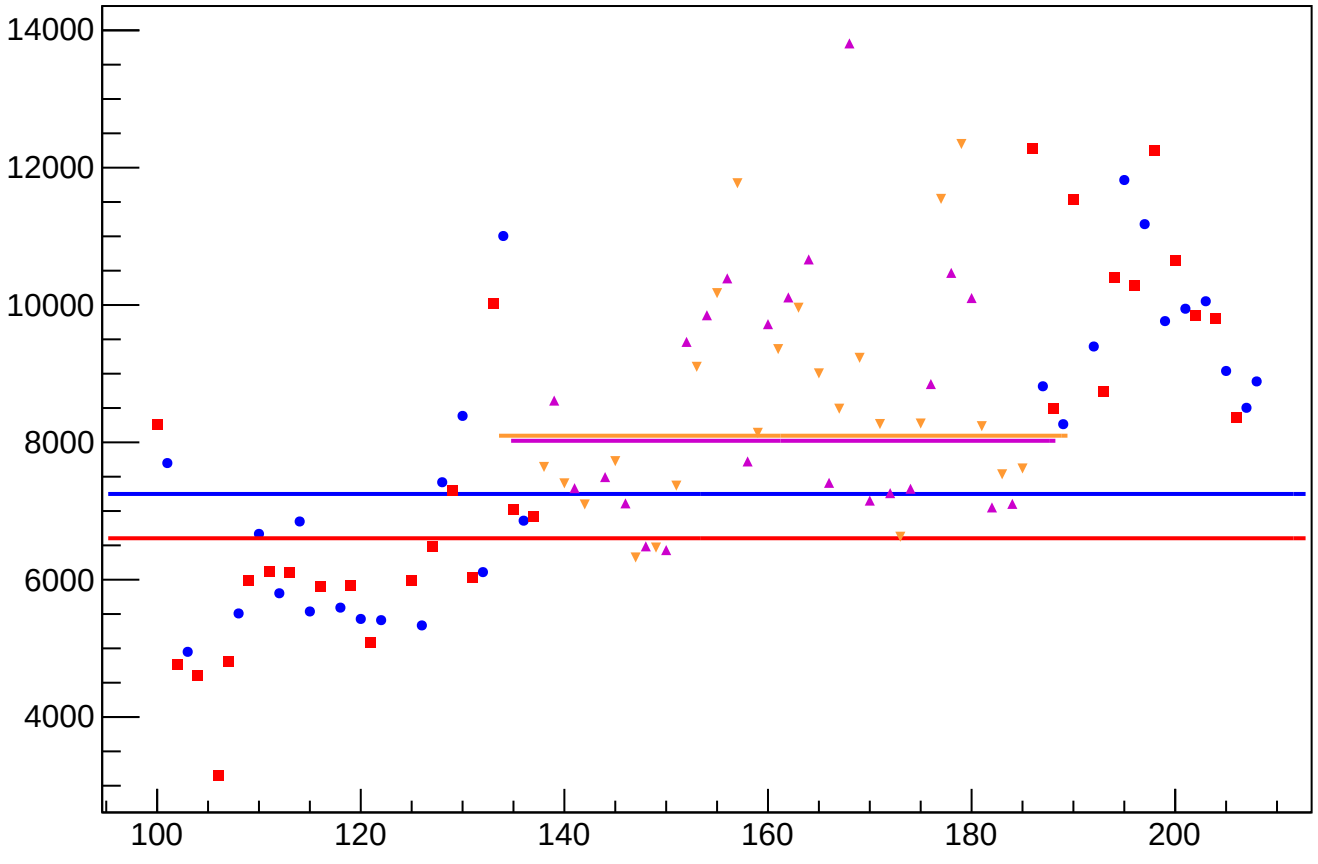
Right Out: -2045.889+/-1752.088 χ^2/NDF: 28.8/28

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 232.529+/-1347.654 χ^2/NDF: 57.3/50

All: -559.277+/-932.589 χ^2/NDF: 100.8/102

- sign -1286.891+/-1291.872 χ^2/NDF: 42.8/51



Right In: 7248.613+/-1.338 χ^2/NDF: 2083656.3/26

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

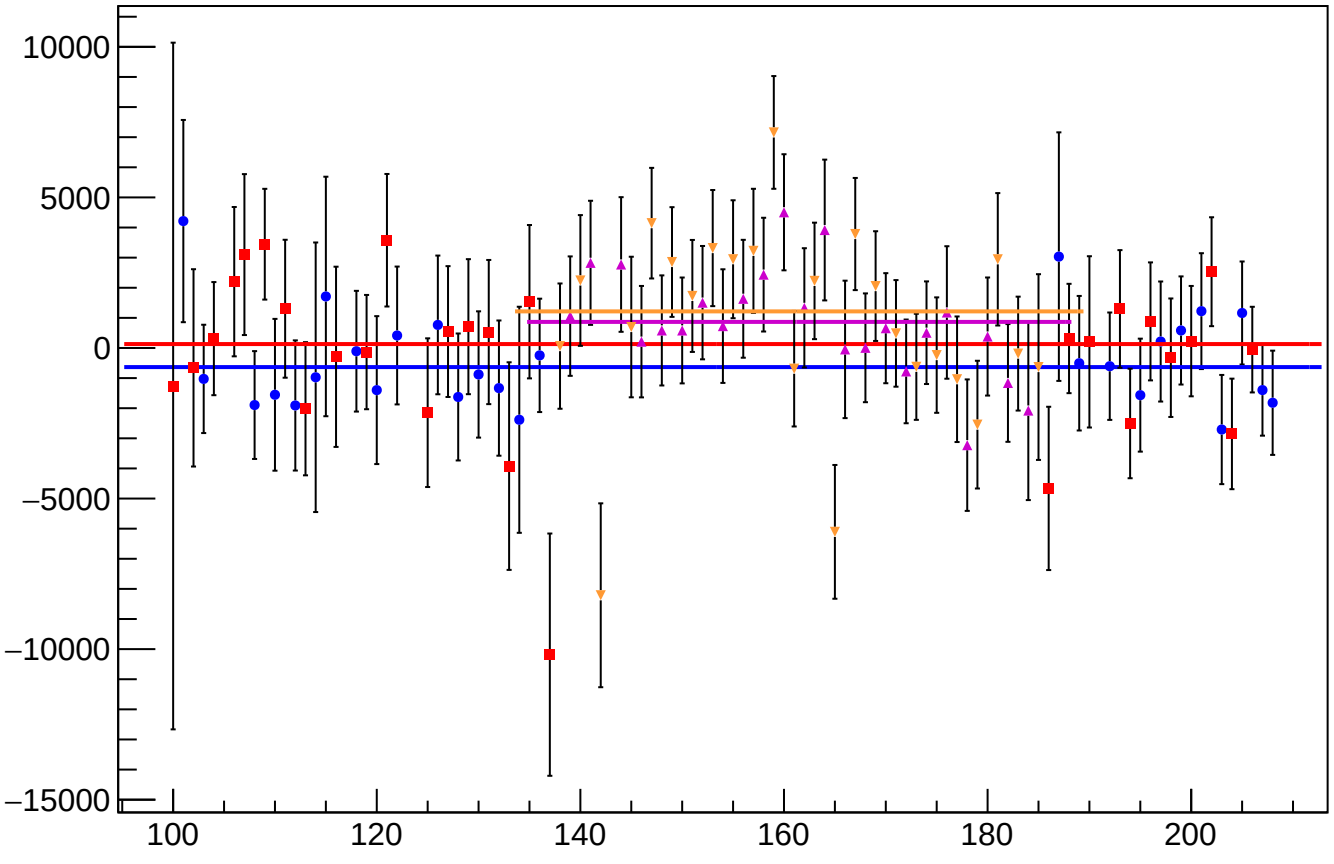
Right Out: 6603.454+/-1.239 χ^2/NDF: 3492969.8/28

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7666.440+/-0.953 χ^2/NDF: 3369473.2/50

All: 7450.009+/-0.659 χ^2/NDF: 8785855.2/10

- sign 7251.124+/-0.913 χ^2/NDF: 5317396.9/51



Right In: -634.461+/-404.931 χ^2/NDF: 10.5/26

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 130.131+/-406.054 χ^2/NDF: 28.4/28

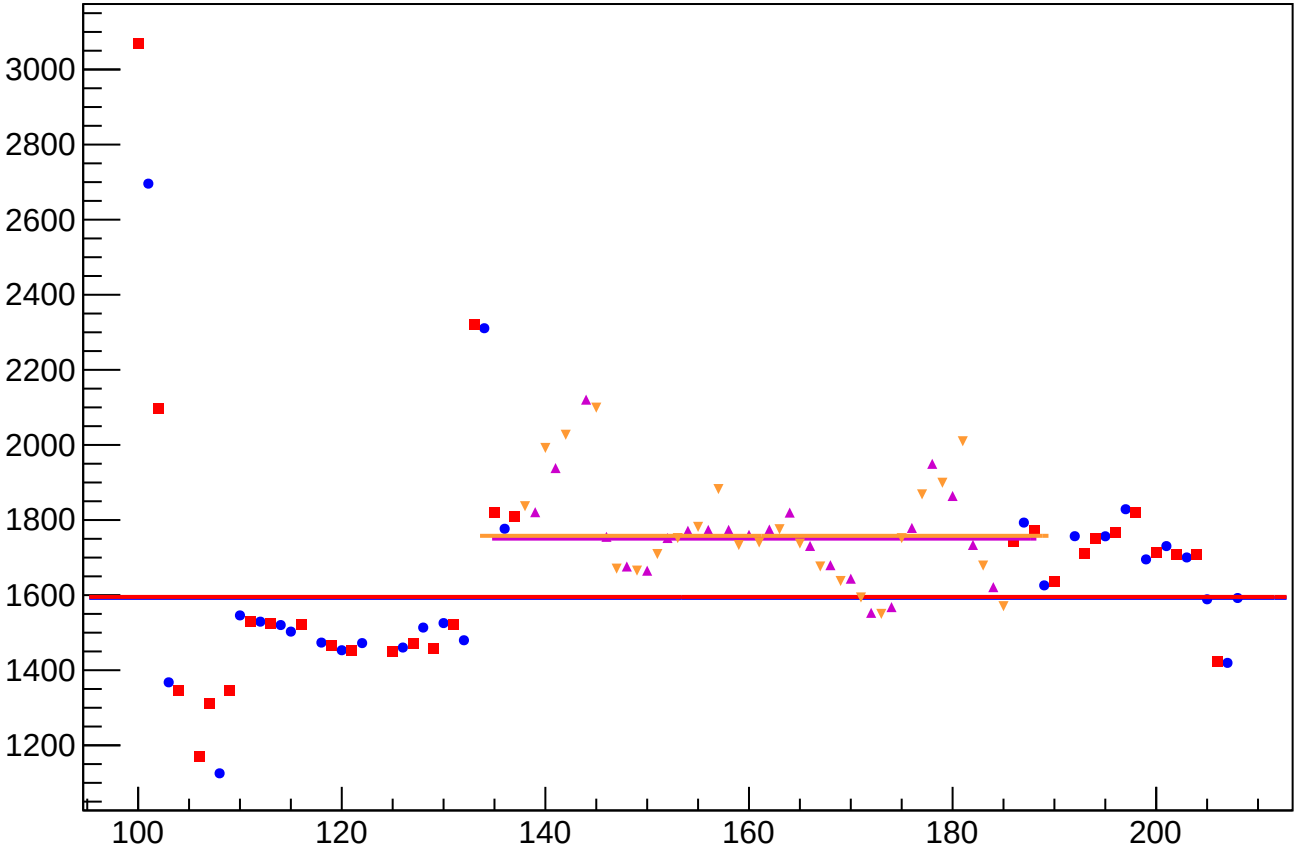
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

\+ sign 279.881+/-287.961 χ^2/NDF: 69.3/50

All: 386.973+/-203.817 χ^2/NDF: 114.8/102

\- sign 494.483+/-288.522 χ^2/NDF: 45.2/51

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1592.695+/-0.286 χ^2/NDF: 630823.4/26

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

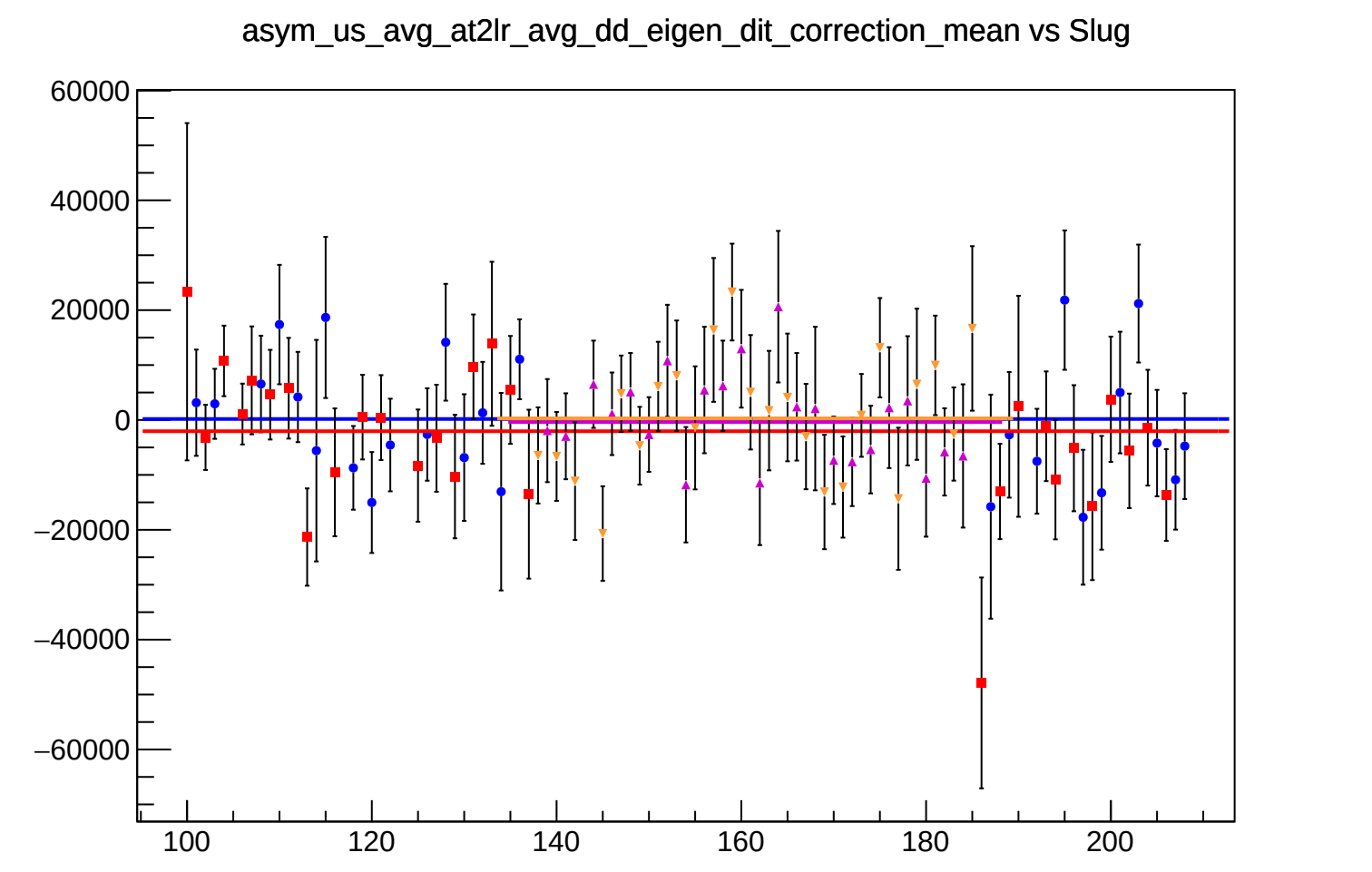
Right Out: 1595.240+/-0.287 χ^2/NDF: 531163.1/28

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1674.387+/-0.204 χ^2/NDF: 1008799.3/50

All: 1673.241+/-0.144 χ^2/NDF: 1856681.1/10

- sign 1672.090+/-0.204 χ^2/NDF: 847818.3/51



Right In: 181.654+/-1891.919 χ^2/NDF: 28.7/26

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

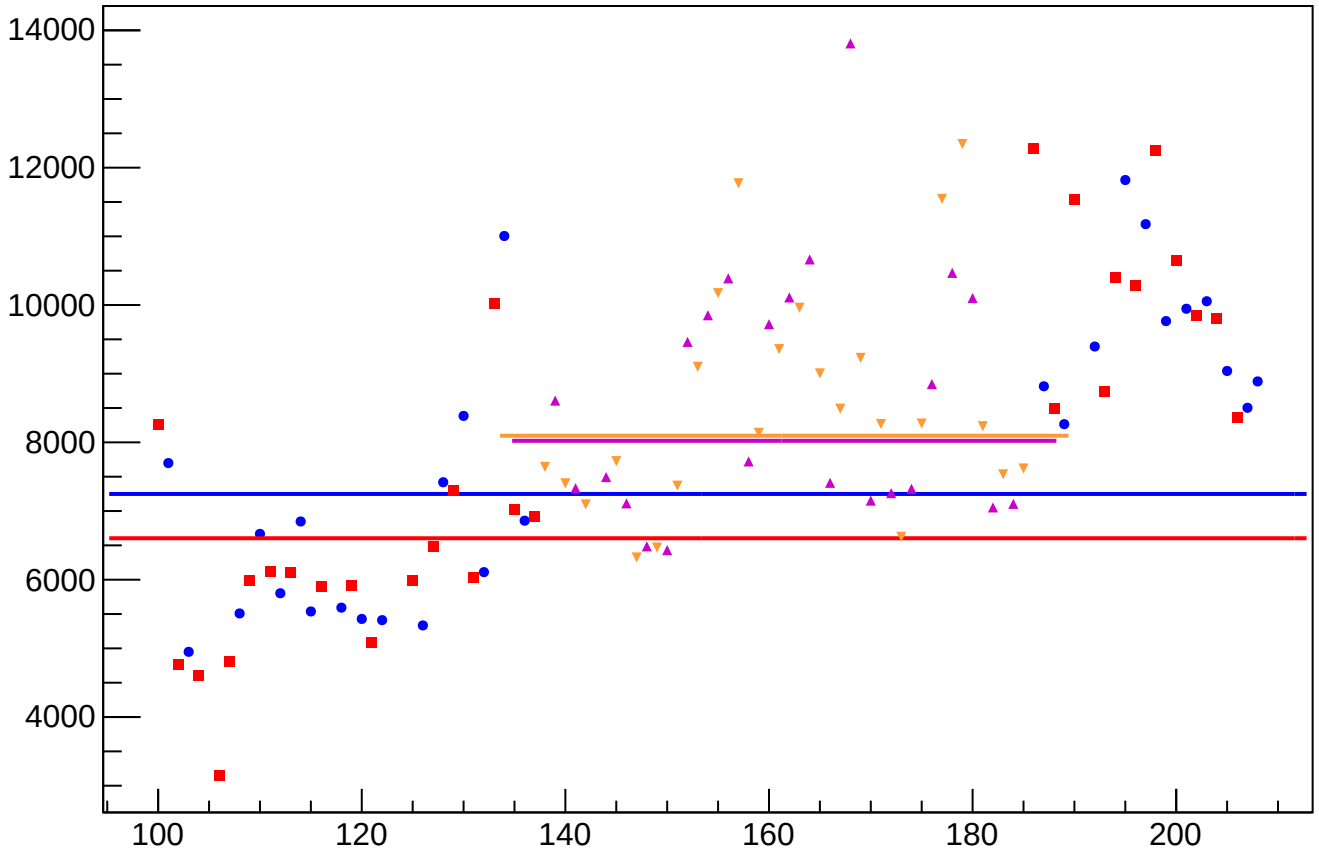
Right Out: -2045.876+/-1752.086 χ^2/NDF: 28.8/28

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 232.526+/-1347.655 χ^2/NDF: 57.3/50

All: -559.277+/-932.589 χ^2/NDF: 100.8/102

- sign -1286.888+/-1291.872 χ^2/NDF: 42.8/51



Right In: 7248.604+/-1.338 χ^2/NDF: 2083683.4/26

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6603.444+/-1.239 χ^2/NDF: 3492994.6/28

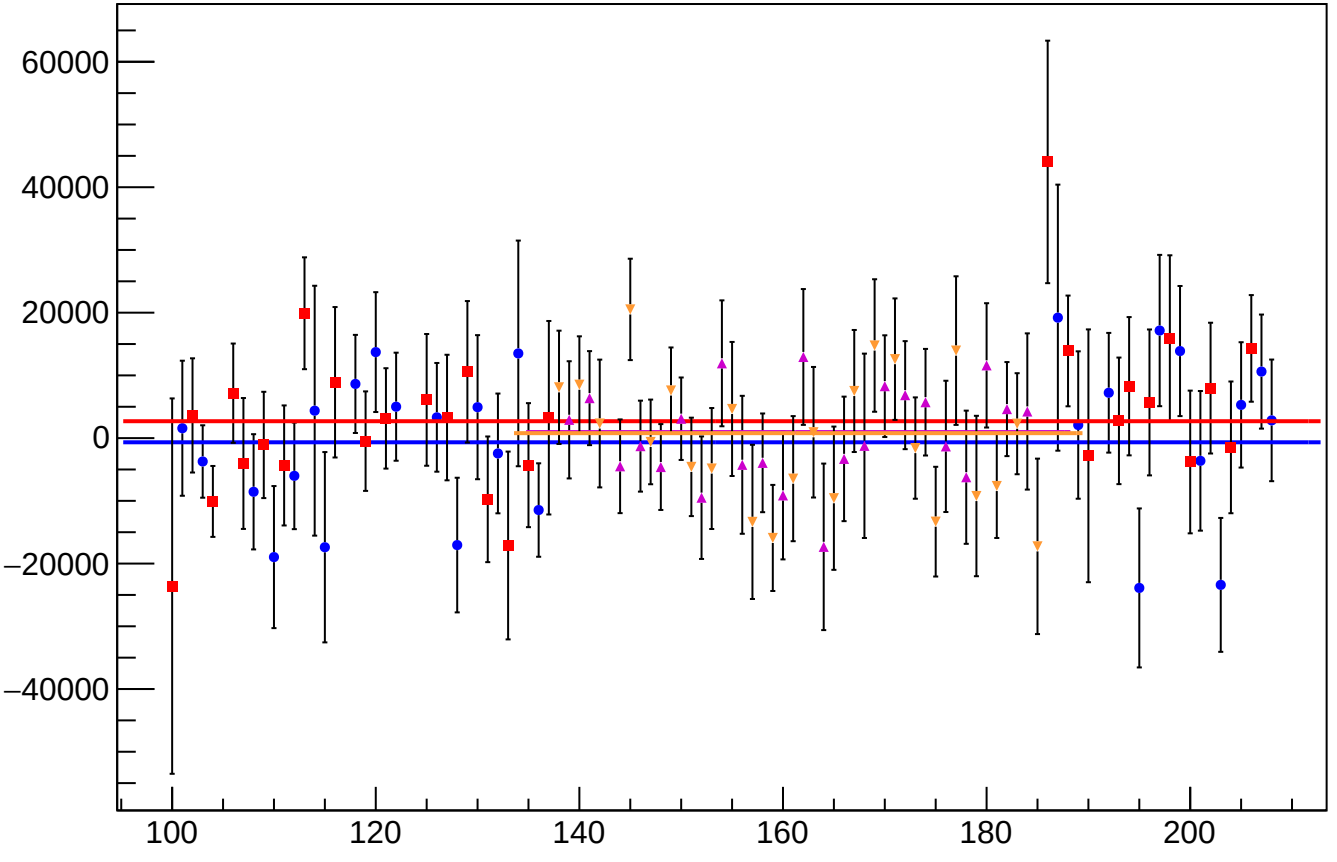
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7666.440+/-0.953 χ^2/NDF: 3369512.8/50

All: 7450.008+/-0.659 χ^2/NDF: 8785942.9/10

- sign 7251.122+/-0.913 χ^2/NDF: 5317443.8/51

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -664.734+/-1910.805 χ^2/NDF: 30.8/26

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 2696.332+/-1856.176 χ^2/NDF: 26.1/28

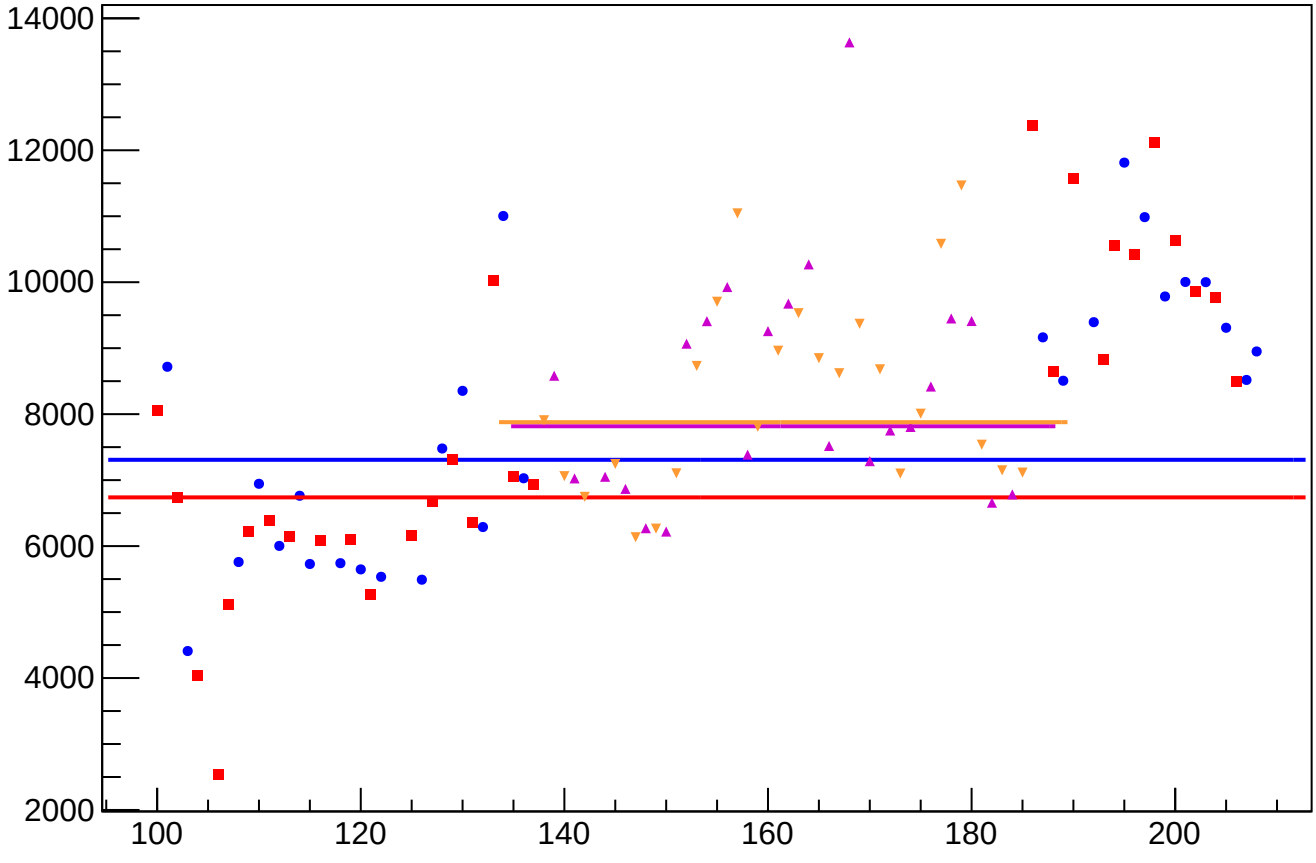
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign 80.882+/-1334.695 χ^2/NDF: 58.2/50

All: 970.178+/-936.311 χ^2/NDF: 98.4/102

- sign 1831.898+/-1313.838 χ^2/NDF: 39.3/51

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 7308.012+/-1.351 χ^2/NDF: 2210434.9/26

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

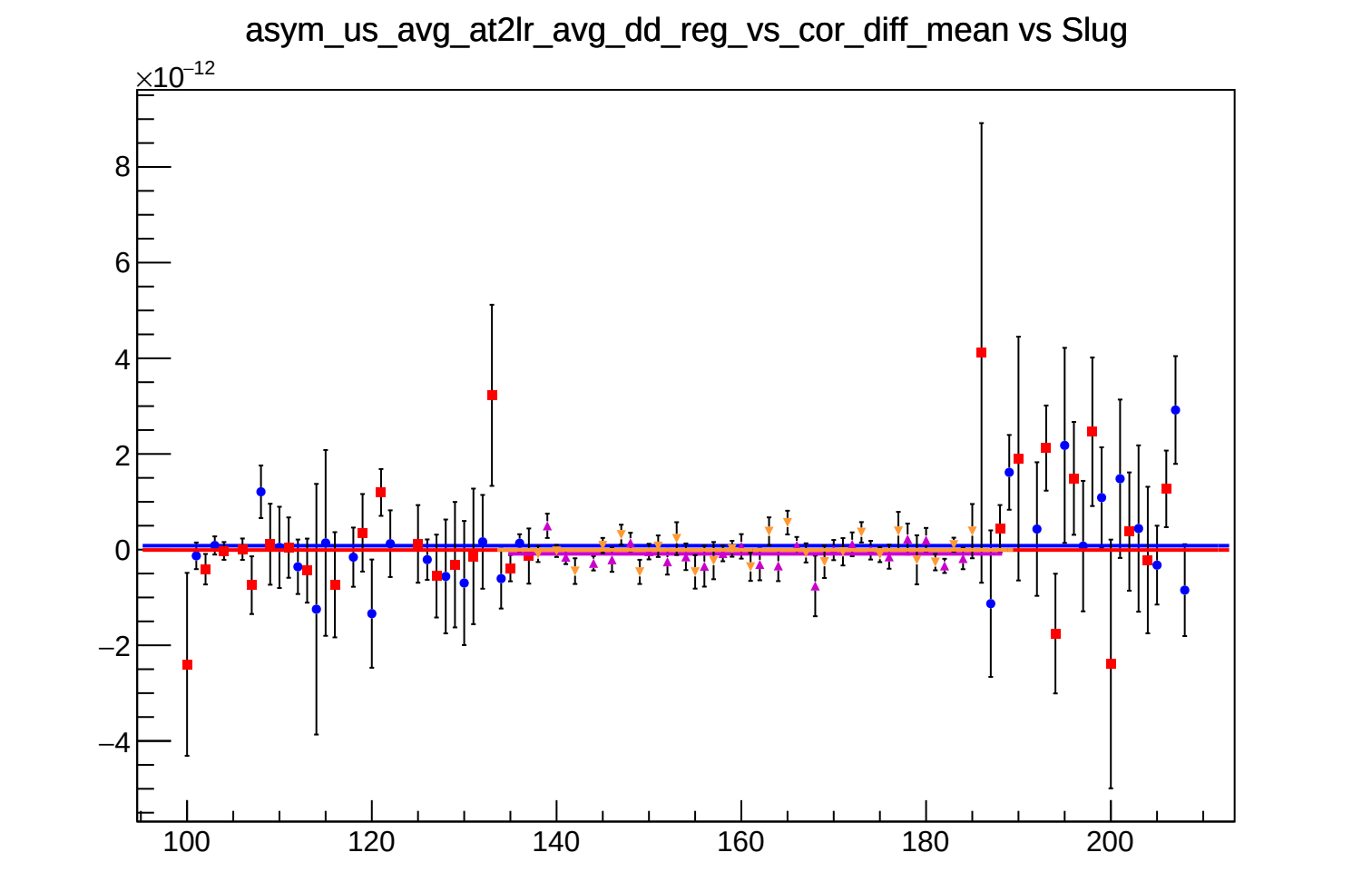
Right Out: 6738.402+/-1.279 χ^2/NDF: 3729910.0/28

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7600.149+/-0.944 χ^2/NDF: 3291782.5/50

All: 7426.479+/-0.658 χ^2/NDF: 8565139.7/10

- sign 7262.518+/-0.917 χ^2/NDF: 5207525.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

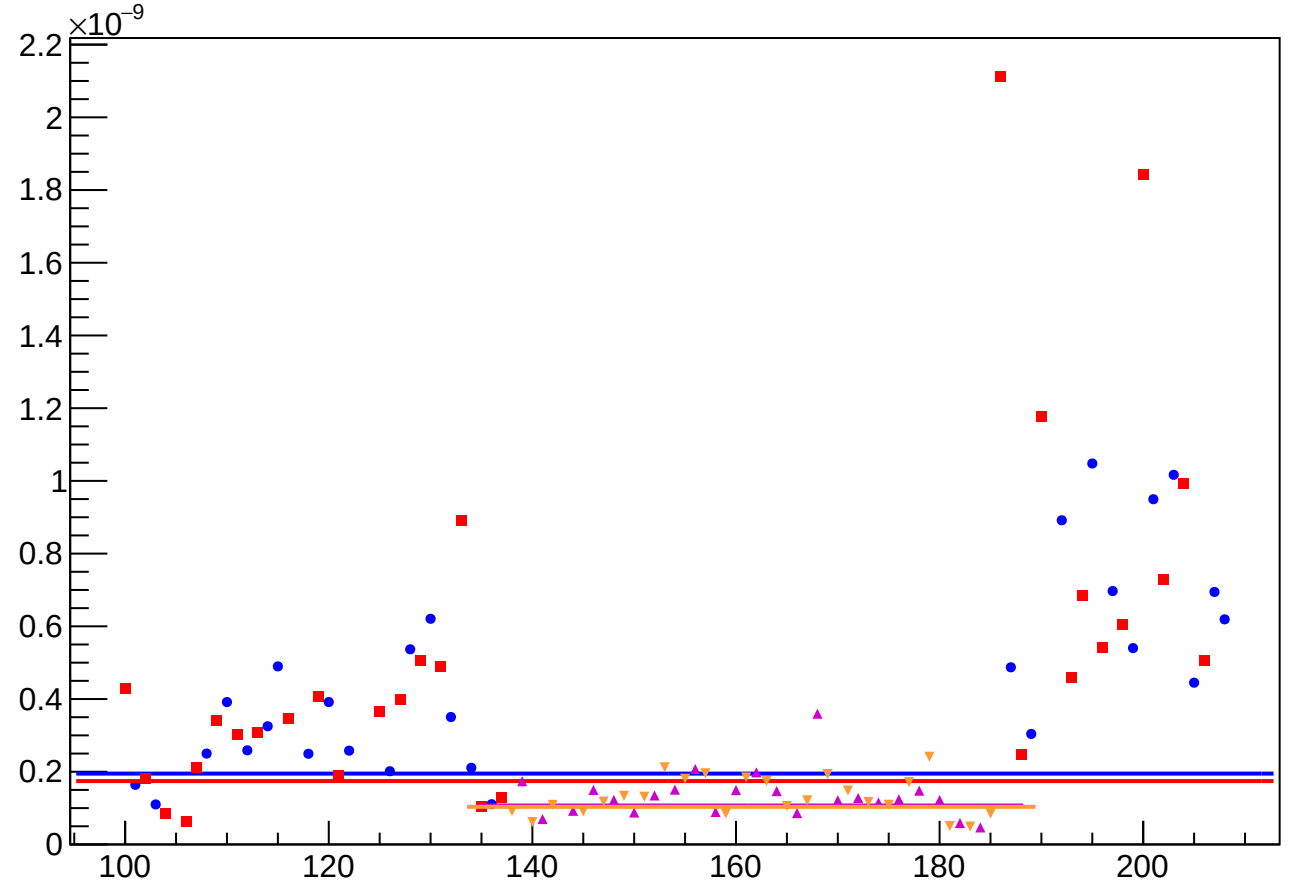
Right Out: -0.000+/-0.000 χ^2/NDF: 34.5/28

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.8/50

All: -0.000+/-0.000 χ^2/NDF: 110.4/102

- sign -0.000+/-0.000 χ^2/NDF: 54.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 4828292.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6071330.0/28

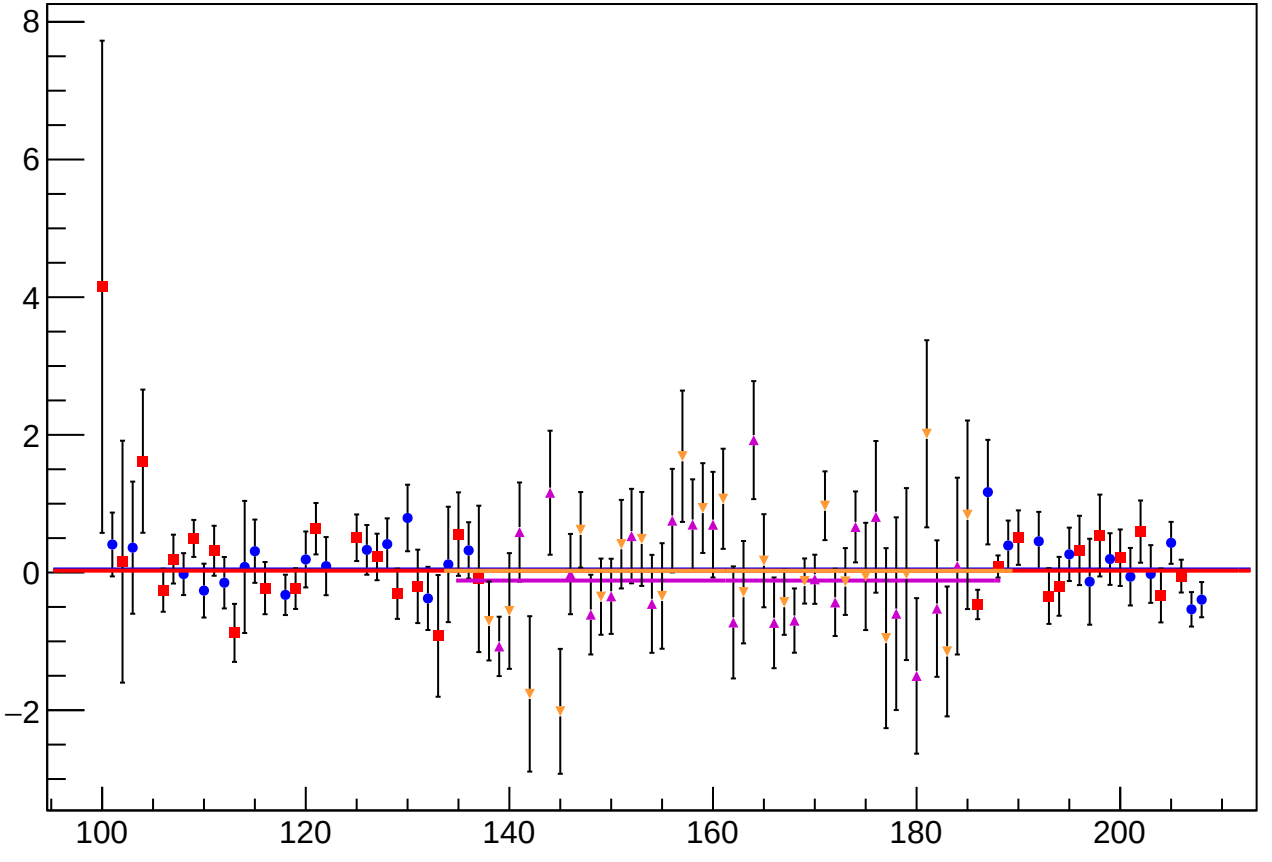
Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8147082.9/50

All: 0.000+/-0.000 χ^2/NDF: 16595713.5/102

- sign 0.000+/-0.000 χ^2/NDF: 8448496.0/51

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.044+/-0.076 χ^2/NDF: 23.6/26

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

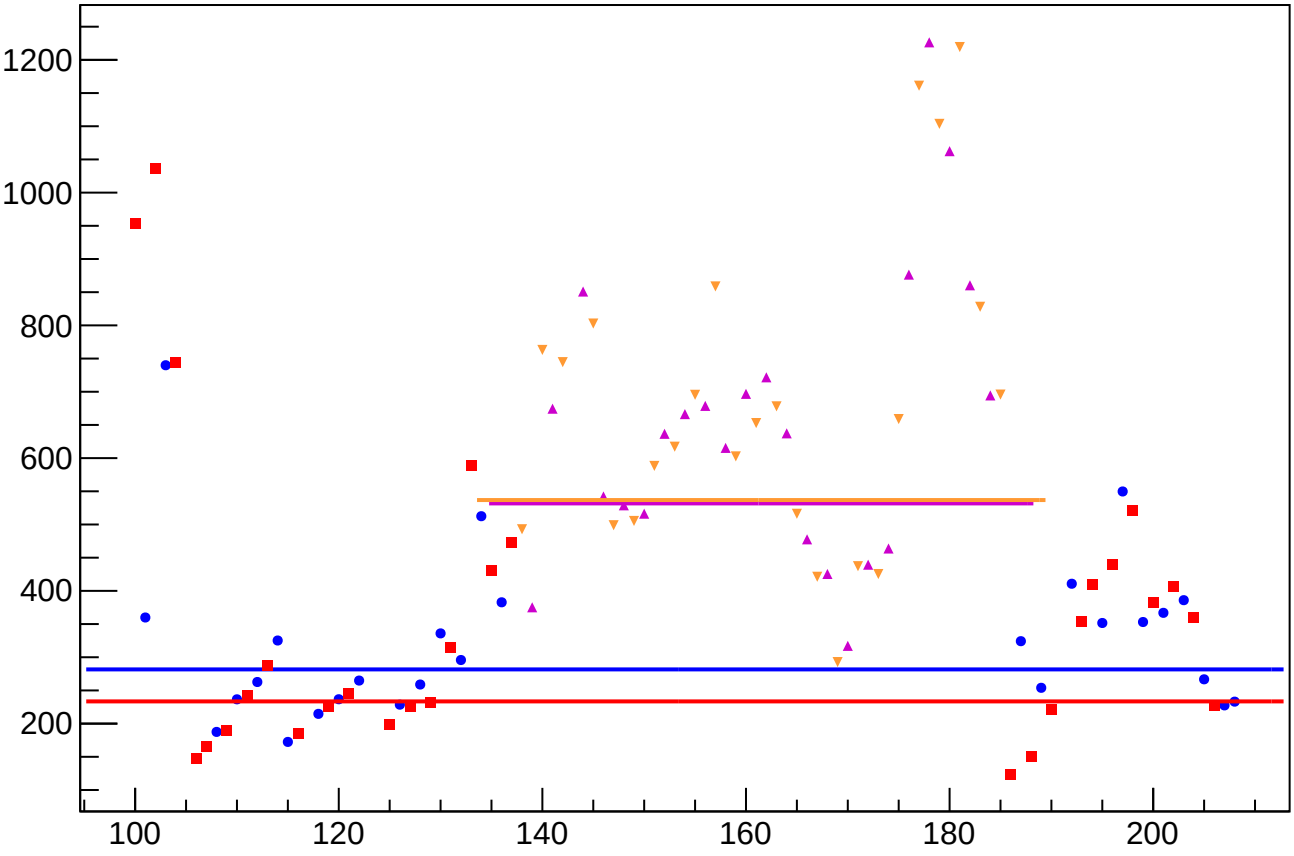
Right Out: 0.027+/-0.067 χ^2/NDF: 34.0/28

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.040+/-0.066 χ^2/NDF: 52.7/50

All: 0.017+/-0.044 χ^2/NDF: 115.7/102

- sign -0.002+/-0.059 χ^2/NDF: 62.8/51



Right In: 281.682+/-0.053 χ^2/NDF: 2421028.1/26

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 233.479+/-0.047 χ^2/NDF: 5187454.0/28

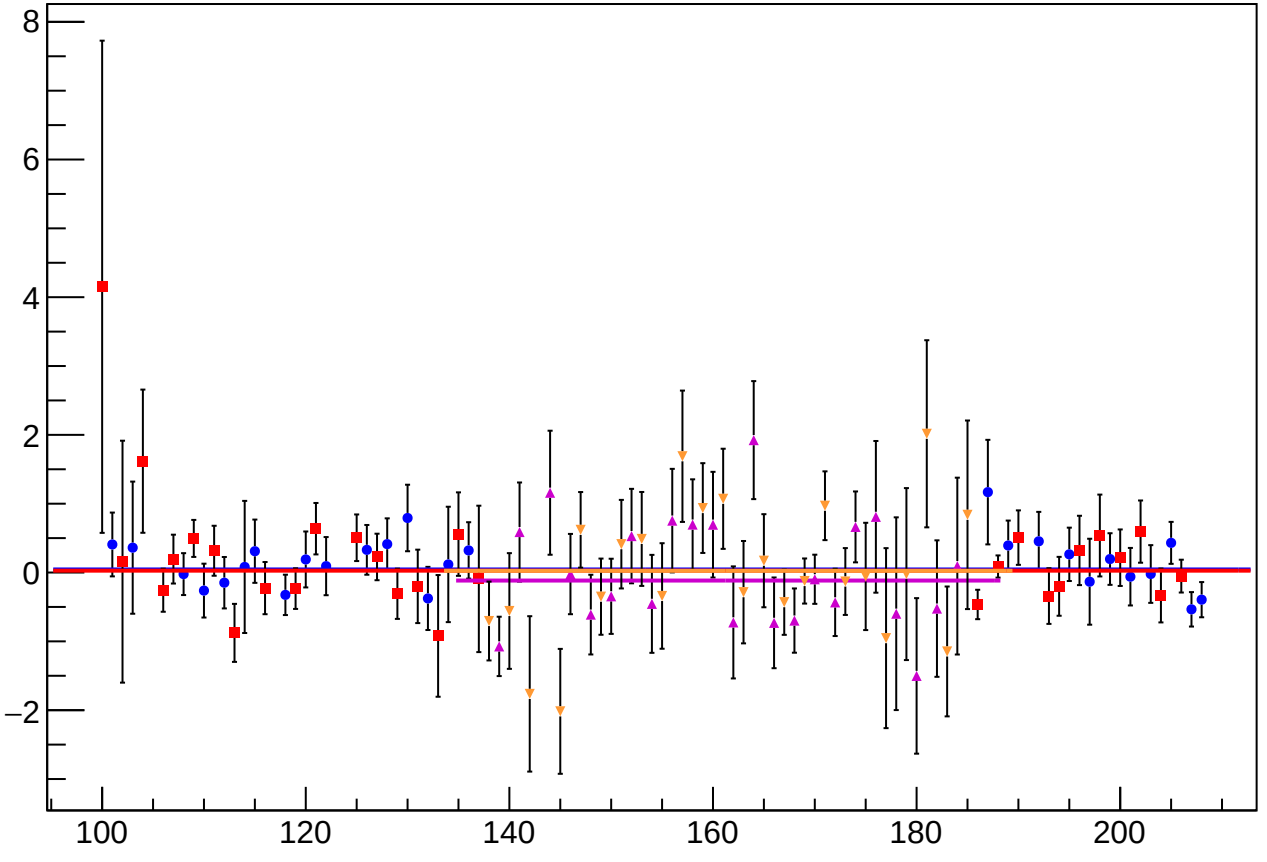
Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 343.245+/-0.047 χ^2/NDF: 11887787.5/50

All: 315.938+/-0.031 χ^2/NDF: 29179031.5/10

- sign 293.628+/-0.042 χ^2/NDF: 16665515.0/51

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.044+/-0.076 χ^2/NDF: 23.6/26

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

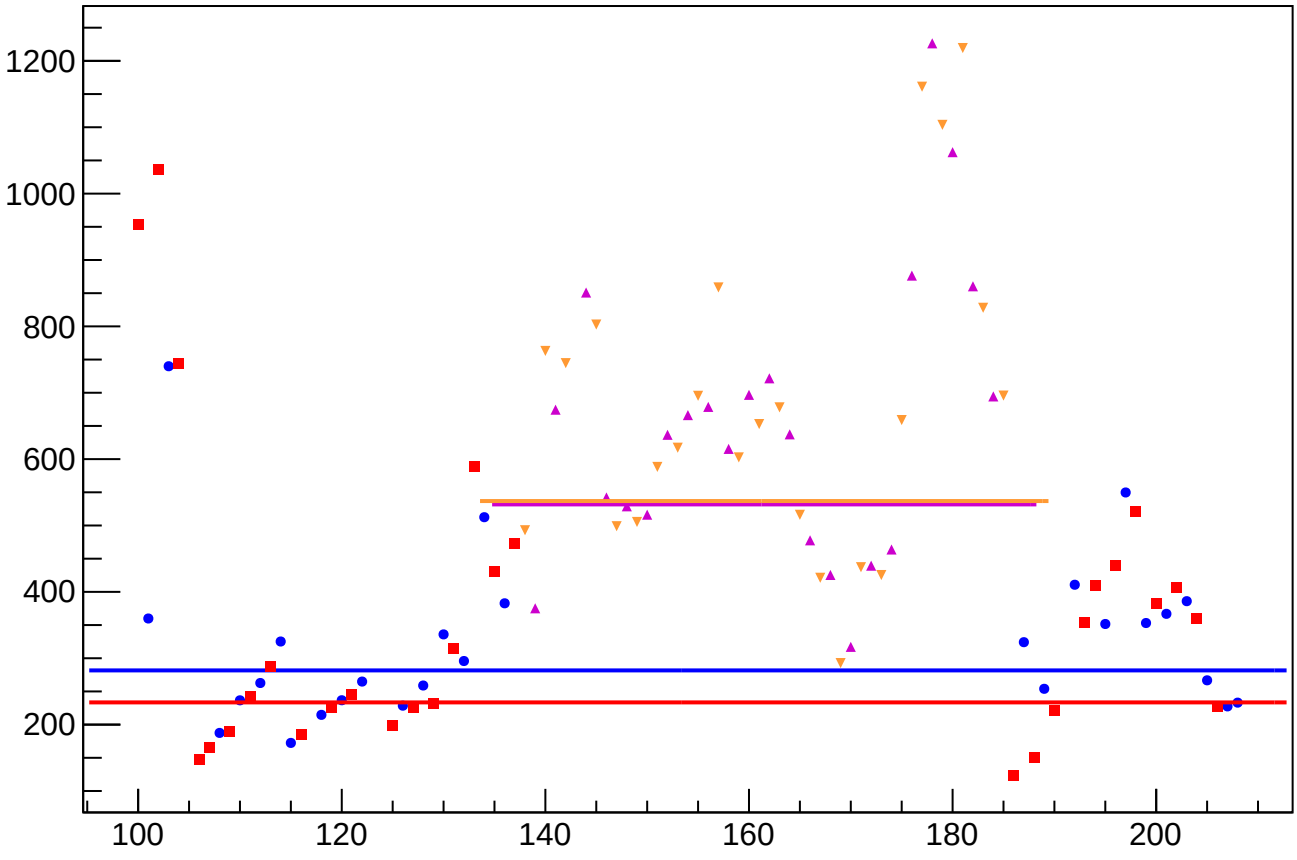
Right Out: 0.027+/-0.067 χ^2/NDF: 34.0/28

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.040+/-0.066 χ^2/NDF: 52.7/50

All: 0.017+/-0.044 χ^2/NDF: 115.7/102

- sign -0.002+/-0.059 χ^2/NDF: 62.8/51



Right In: 281.682+/-0.053 χ^2/NDF: 2421028.1/26

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

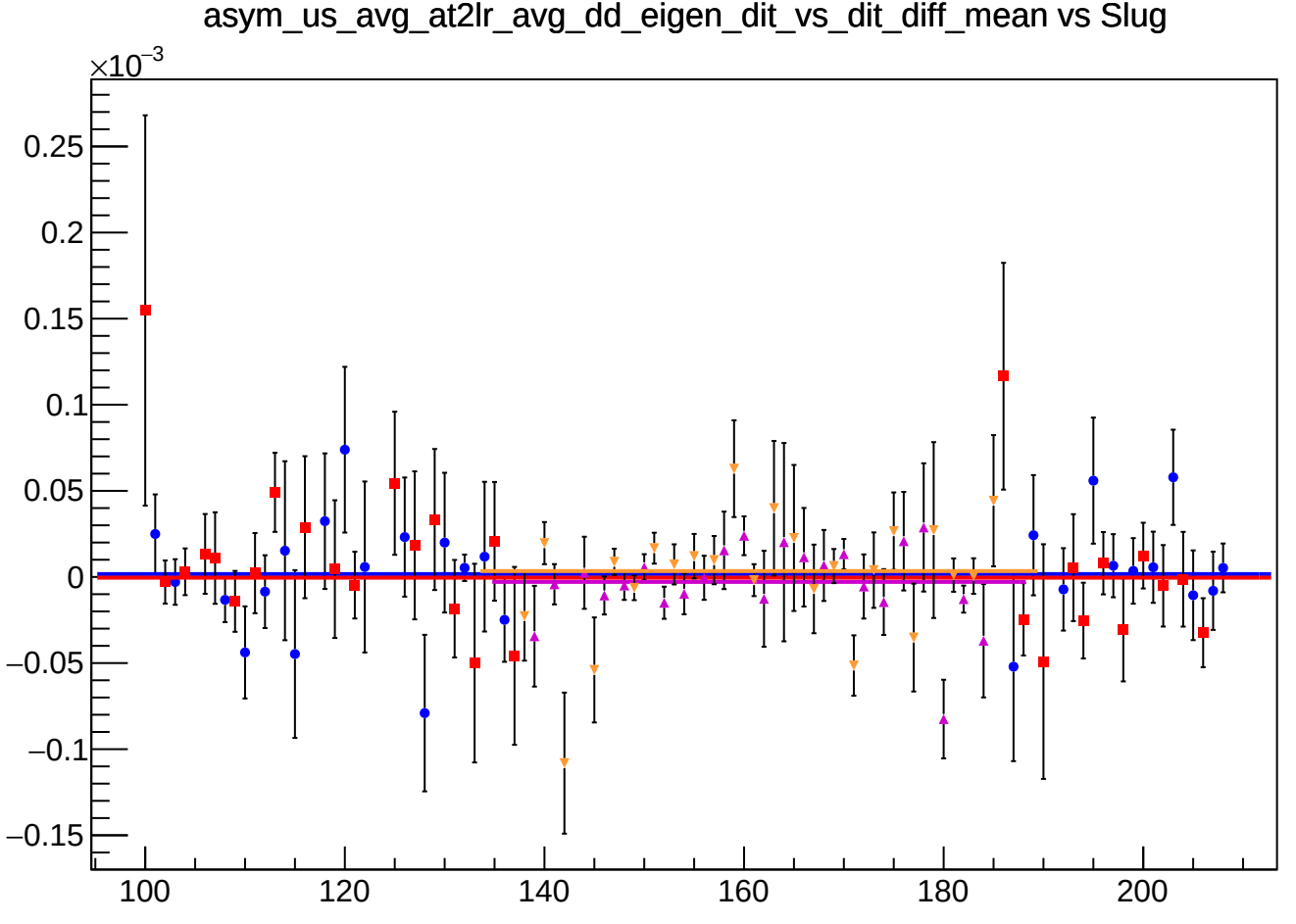
Right Out: 233.479+/-0.047 χ^2/NDF: 5187454.0/28

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 343.245+/-0.047 χ^2/NDF: 11887787.5/50

All: 315.938+/-0.031 χ^2/NDF: 29179031.5/10

- sign 293.628+/-0.042 χ^2/NDF: 16665515.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 23.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

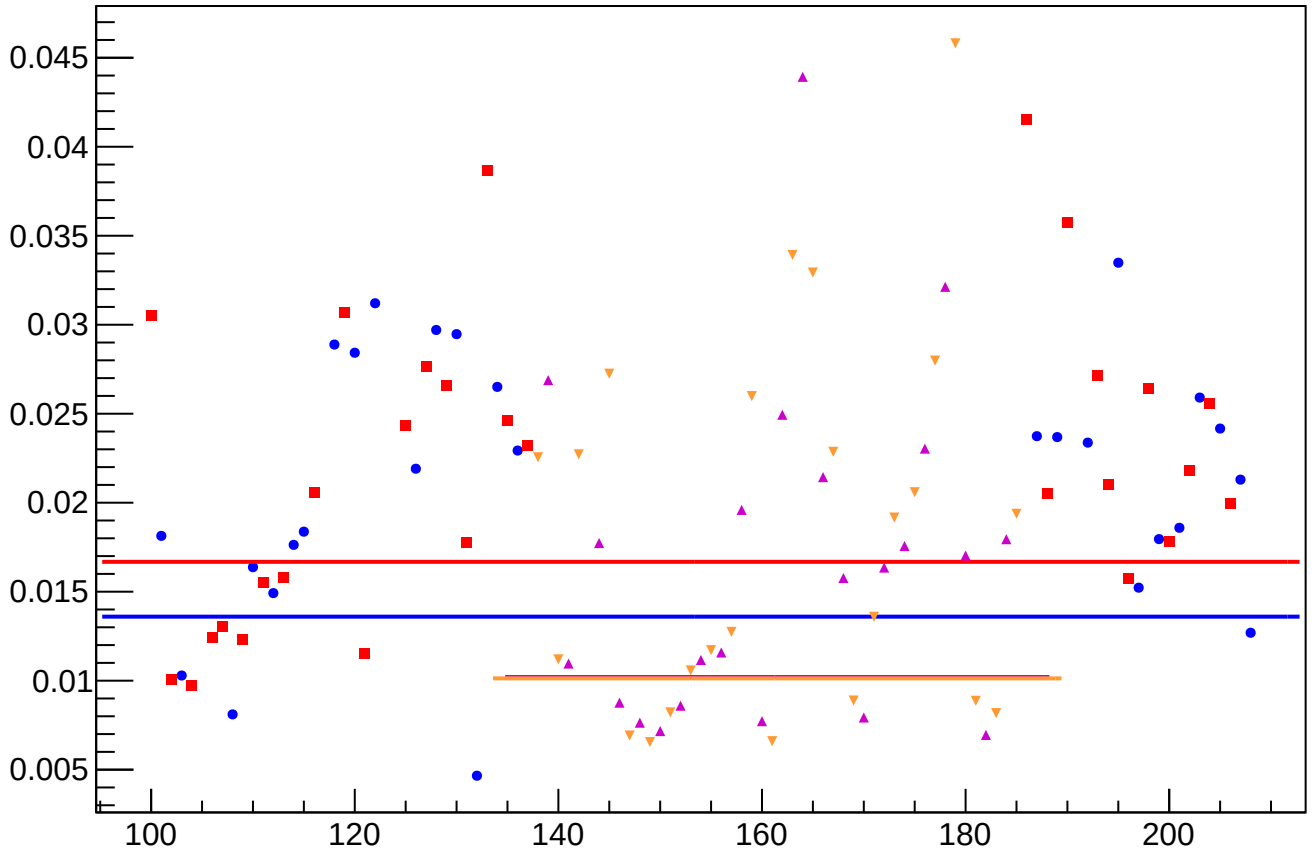
Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/28

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.3/50

All: 0.000+/-0.000 χ^2/NDF: 120.9/102

- sign -0.000+/-0.000 χ^2/NDF: 56.3/51



Right In: 0.014+/-0.000 χ^2/NDF: 7581868.3/26

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

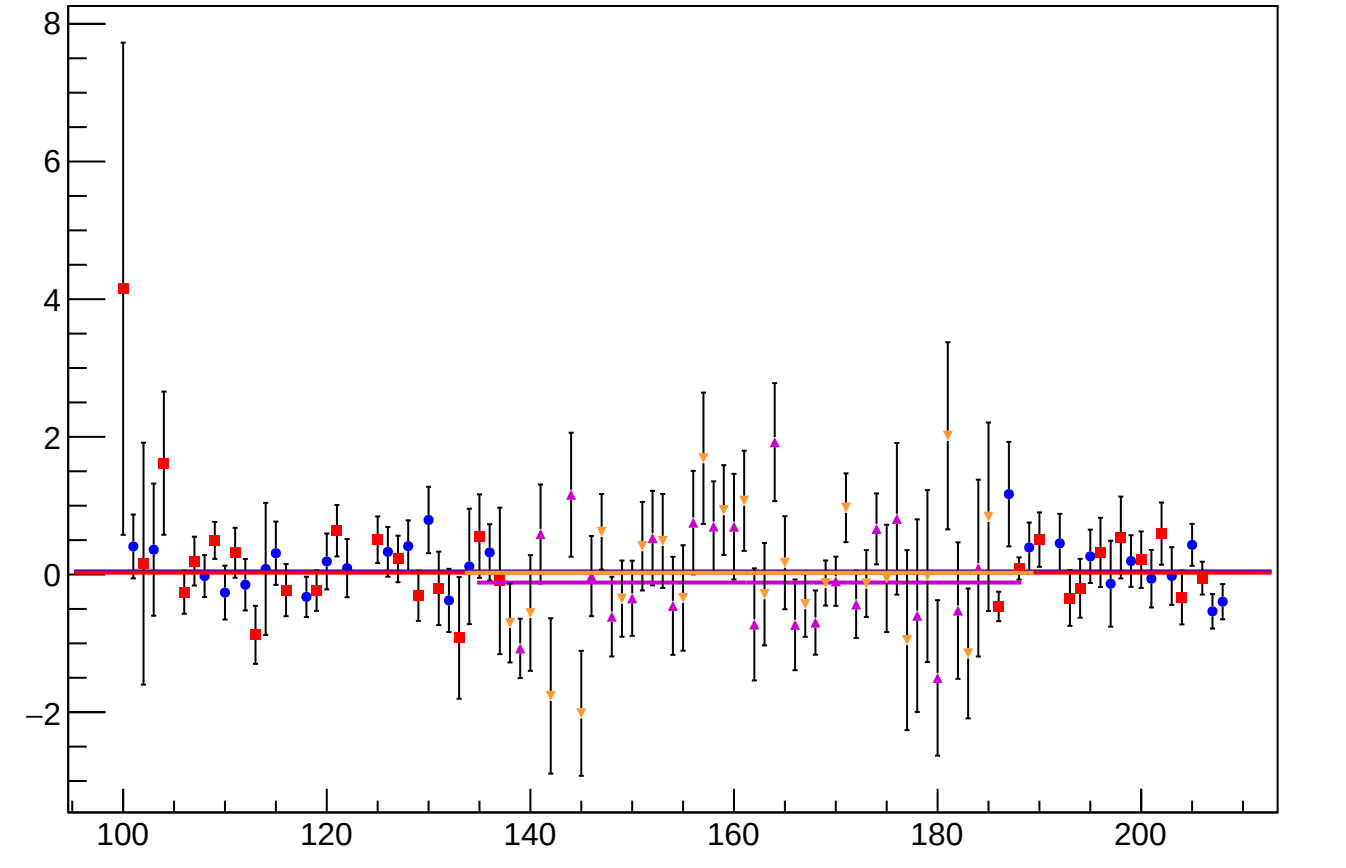
Right Out: 0.017+/-0.000 χ^2/NDF: 3890011.0/28

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 16410870.9/50

All: 0.012+/-0.000 χ^2/NDF: 29448662.8/102

- sign 0.012+/-0.000 χ^2/NDF: 12935580.8/51



Right In: 0.044+/-0.076 χ^2/NDF: 23.6/26

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

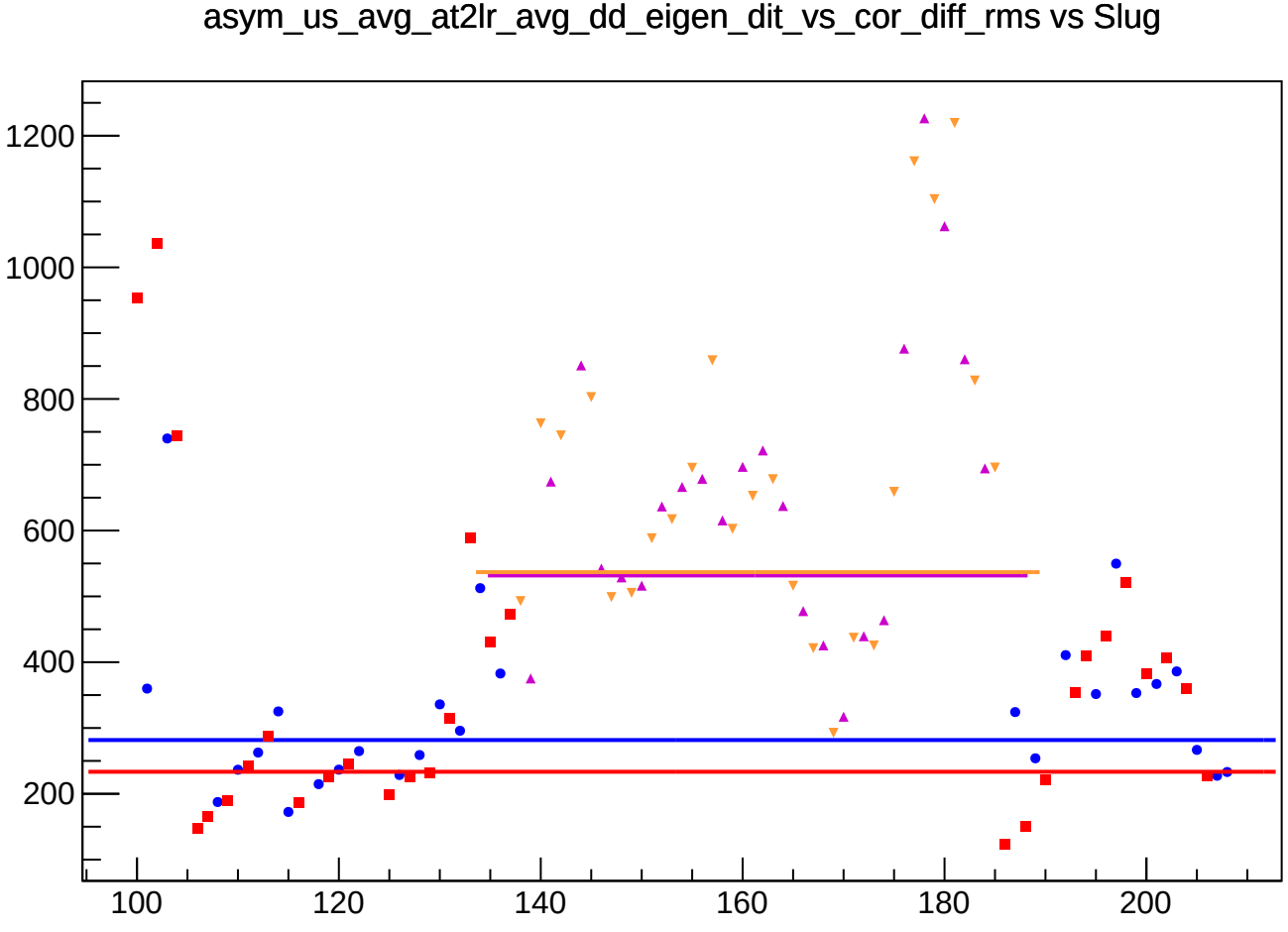
Right Out: 0.027+/-0.067 χ^2/NDF: 34.0/28

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.040+/-0.066 χ^2/NDF: 52.7/50

All: 0.017+/-0.044 χ^2/NDF: 115.7/102

- sign -0.002+/-0.059 χ^2/NDF: 62.8/51



Right In: 281.681+/-0.053 χ^2/NDF: 2421020.0/26

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 233.477+/-0.047 χ^2/NDF: 5187609.8/28

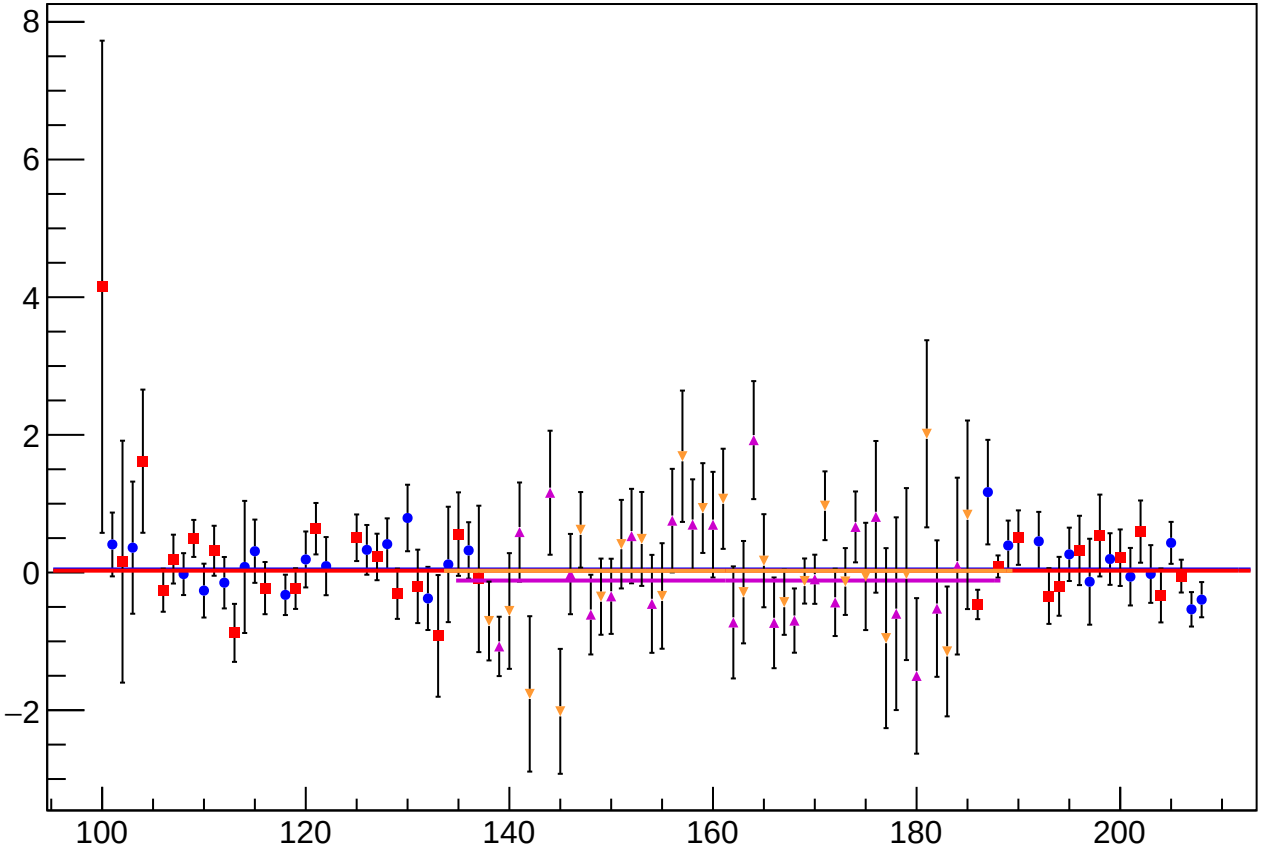
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 343.244+/-0.047 χ^2/NDF: 11888005.1/50

All: 315.935+/-0.031 χ^2/NDF: 29179741.1/10

- sign 293.625+/-0.042 χ^2/NDF: 16665975.6/51

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.044+/-0.076 χ^2/NDF: 23.6/26

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

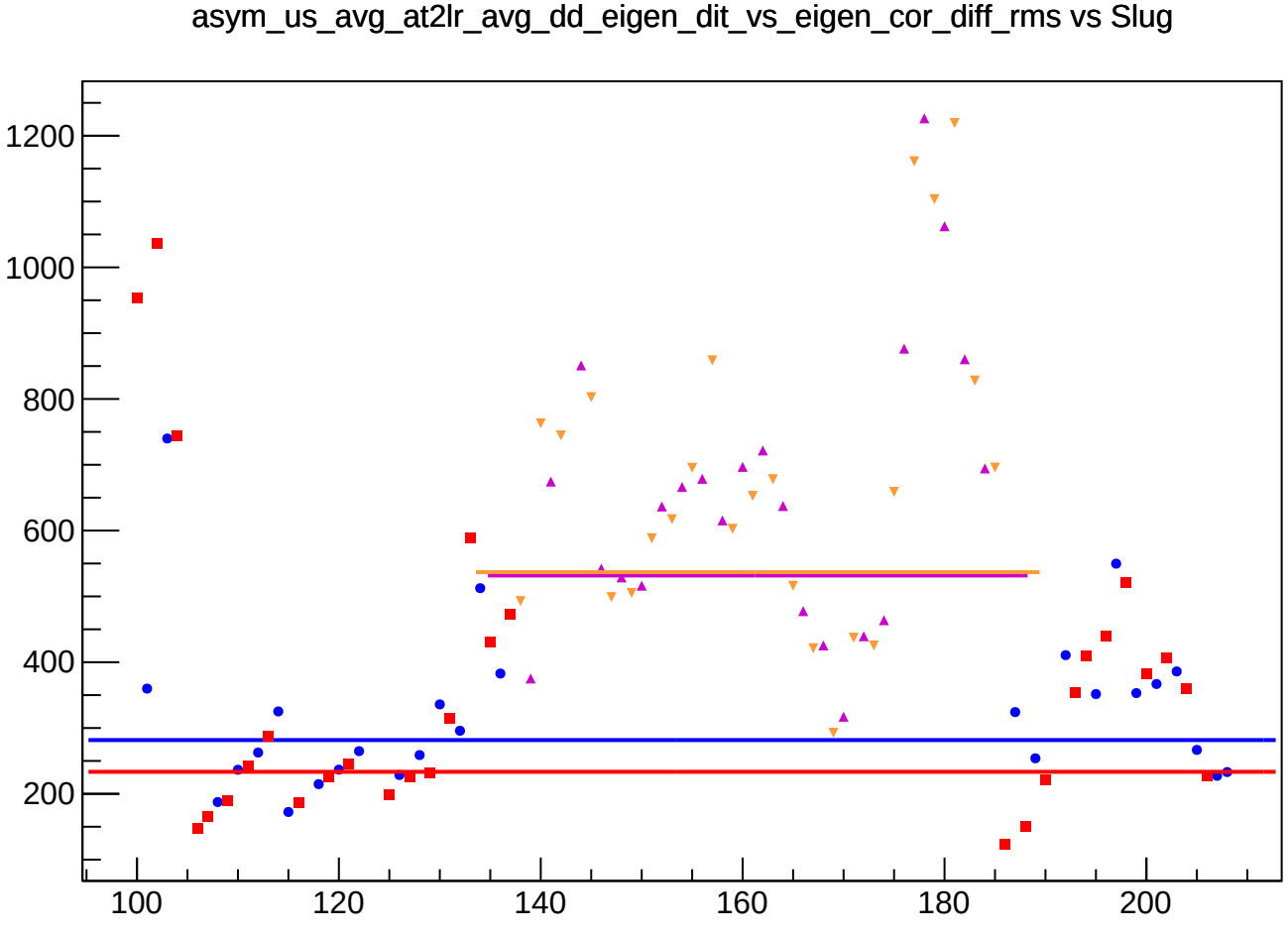
Right Out: 0.027+/-0.067 χ^2/NDF: 34.0/28

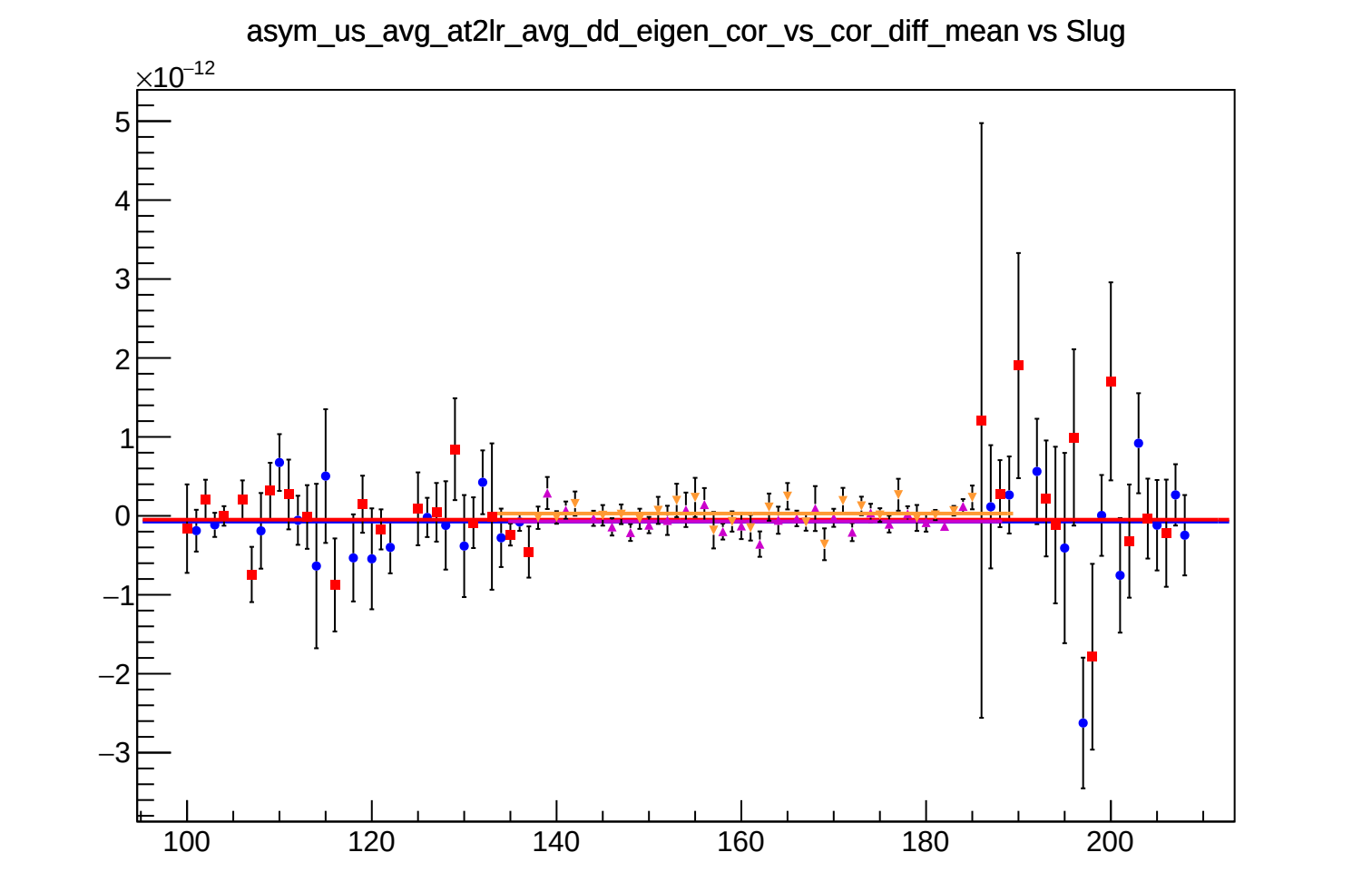
Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.040+/-0.066 χ^2/NDF: 52.7/50

All: 0.017+/-0.044 χ^2/NDF: 115.7/102

- sign -0.002+/-0.059 χ^2/NDF: 62.8/51


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 281.681+/-0.053 χ²/NDF: 2421020.0/26
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 233.477+/-0.047 χ²/NDF: 5187609.8/28
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 343.244+/-0.047 χ²/NDF: 11888005.1/50
All: 315.935+/-0.031 χ²/NDF: 29179741.1/10
- sign 293.625+/-0.042 χ²/NDF: 16665975.6/51



Right In: -0.000+/-0.000 χ^2/NDF: 25.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

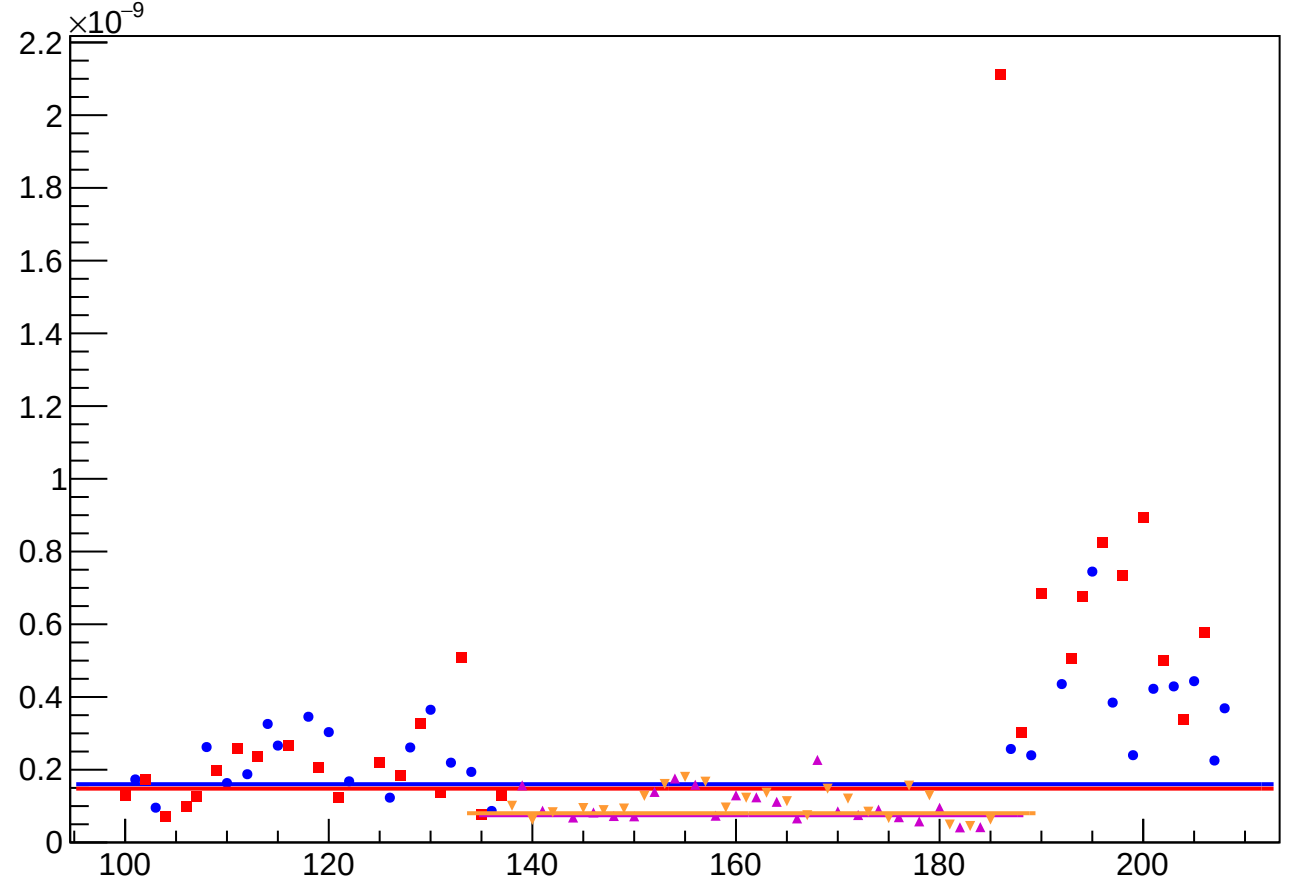
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/28

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.0/50

All: -0.000+/-0.000 χ^2/NDF: 99.3/102

- sign -0.000+/-0.000 χ^2/NDF: 47.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 4687069.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7961835.3/28

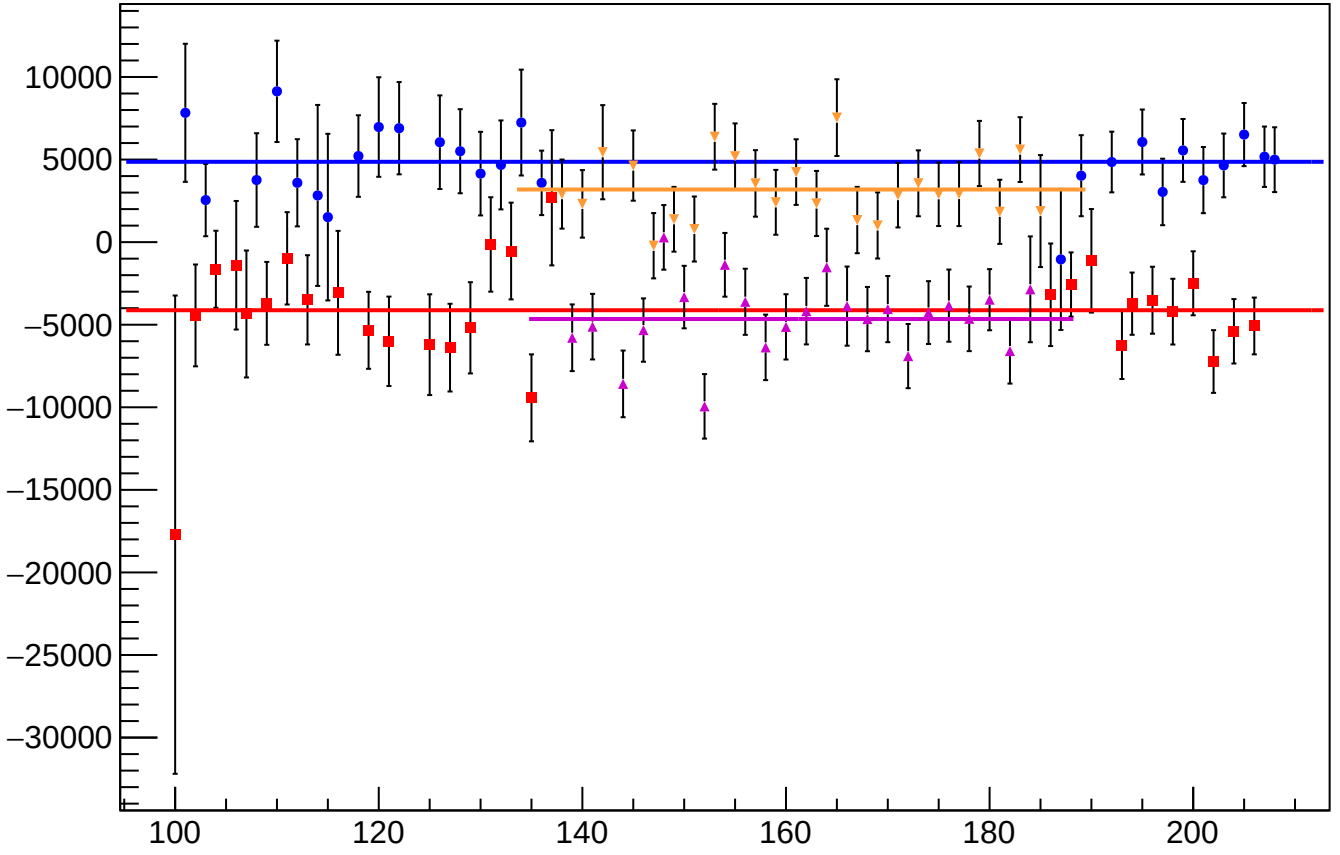
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11112368.8/50

All: 0.000+/-0.000 χ^2/NDF: 25261325.4/102

- sign 0.000+/-0.000 χ^2/NDF: 14061394.1/51

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4864.530+/-461.468 χ^2/NDF: 11.3/26

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -4123.232+/-461.542 χ^2/NDF: 23.3/28

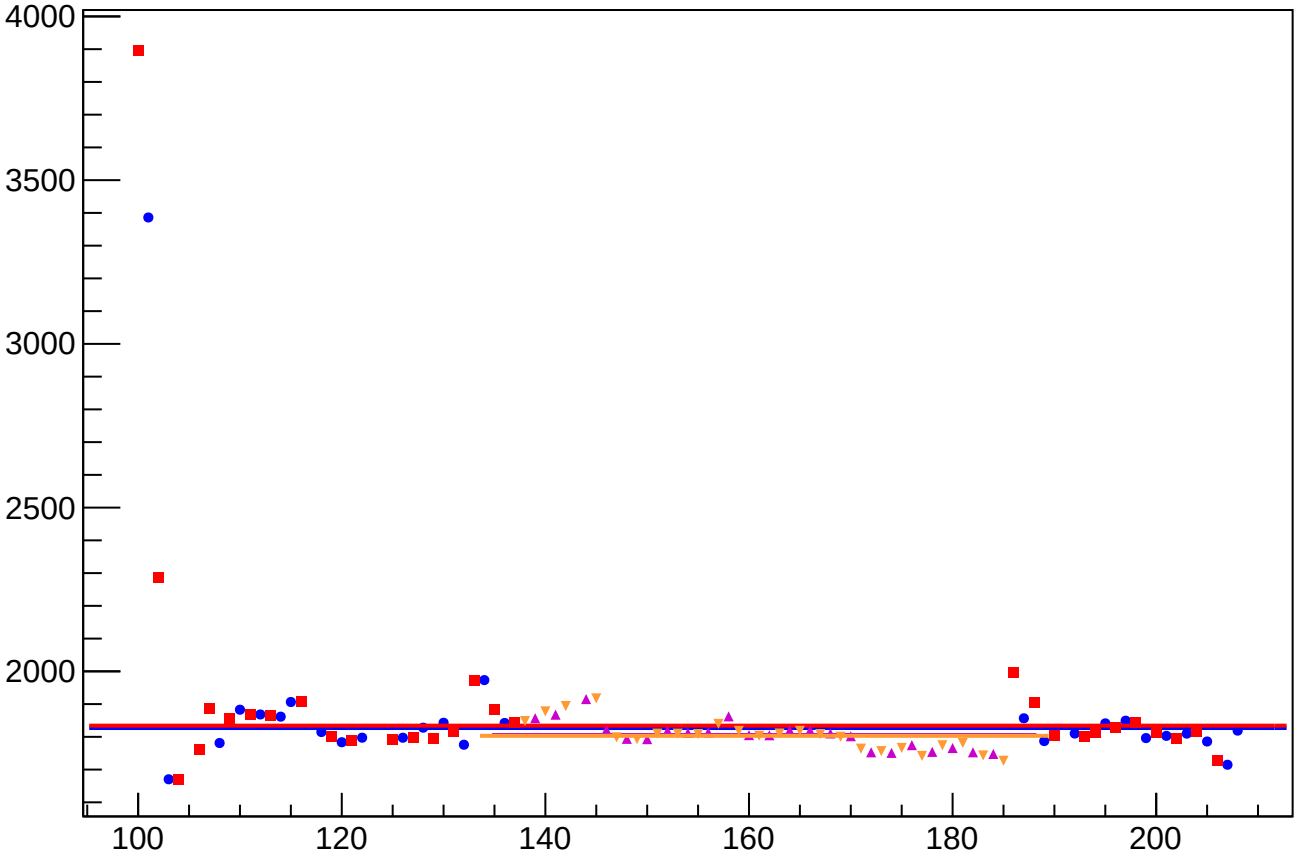
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3944.352+/-310.053 χ^2/NDF: 38.4/50

All: -217.396+/-219.686 χ^2/NDF: 451.9/102

- sign -4413.172+/-311.318 χ^2/NDF: 51.7/51

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1826.927+/-0.326 χ^2/NDF: 307272.7/26

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

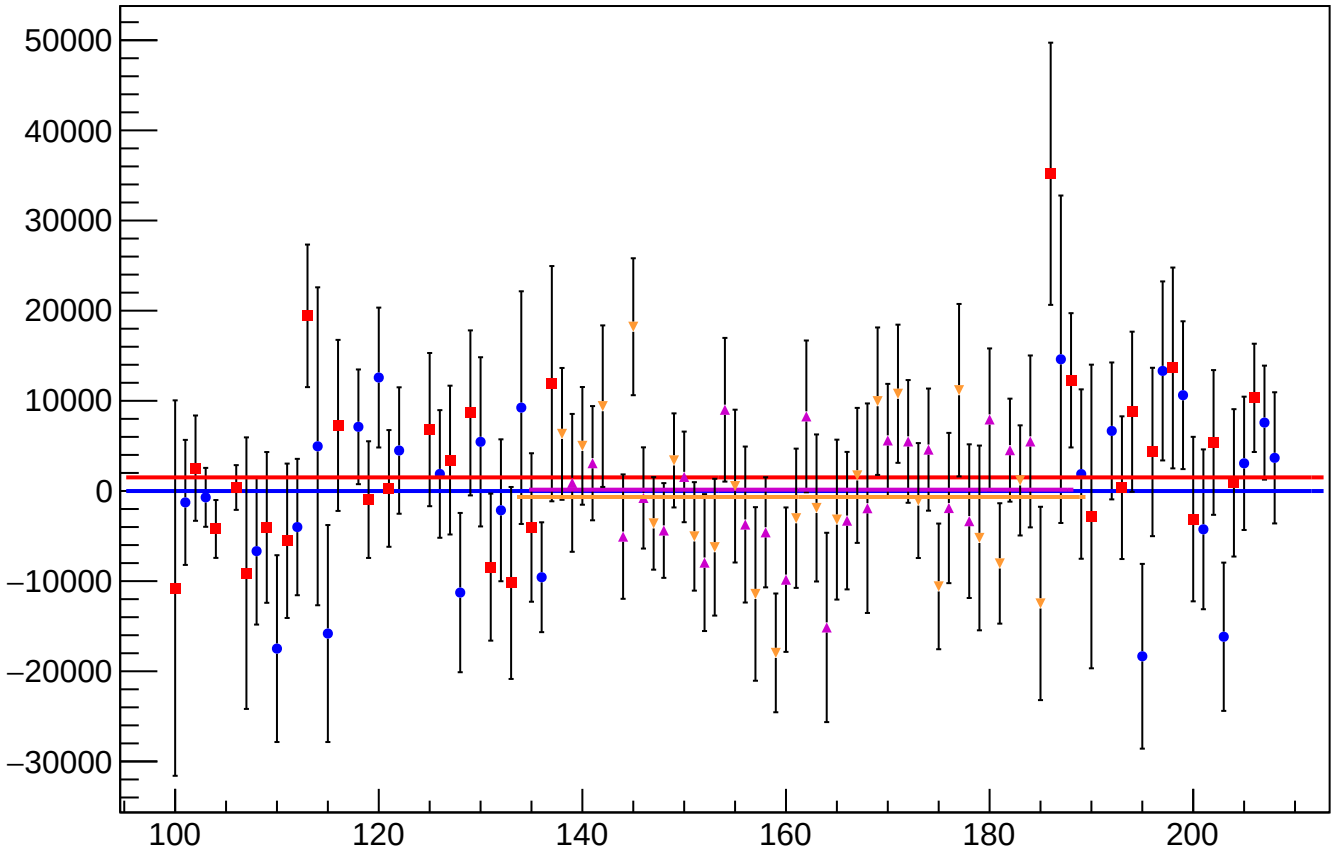
Right Out: 1834.126+/-0.326 χ^2/NDF: 121393.7/28

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1813.864+/-0.219 χ^2/NDF: 330835.1/50

All: 1816.211+/-0.155 χ^2/NDF: 475955.9/102

- sign 1818.575+/-0.220 χ^2/NDF: 144890.7/51



Right In: -6.354+/-1447.501 χ^2/NDF: 29.2/26

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

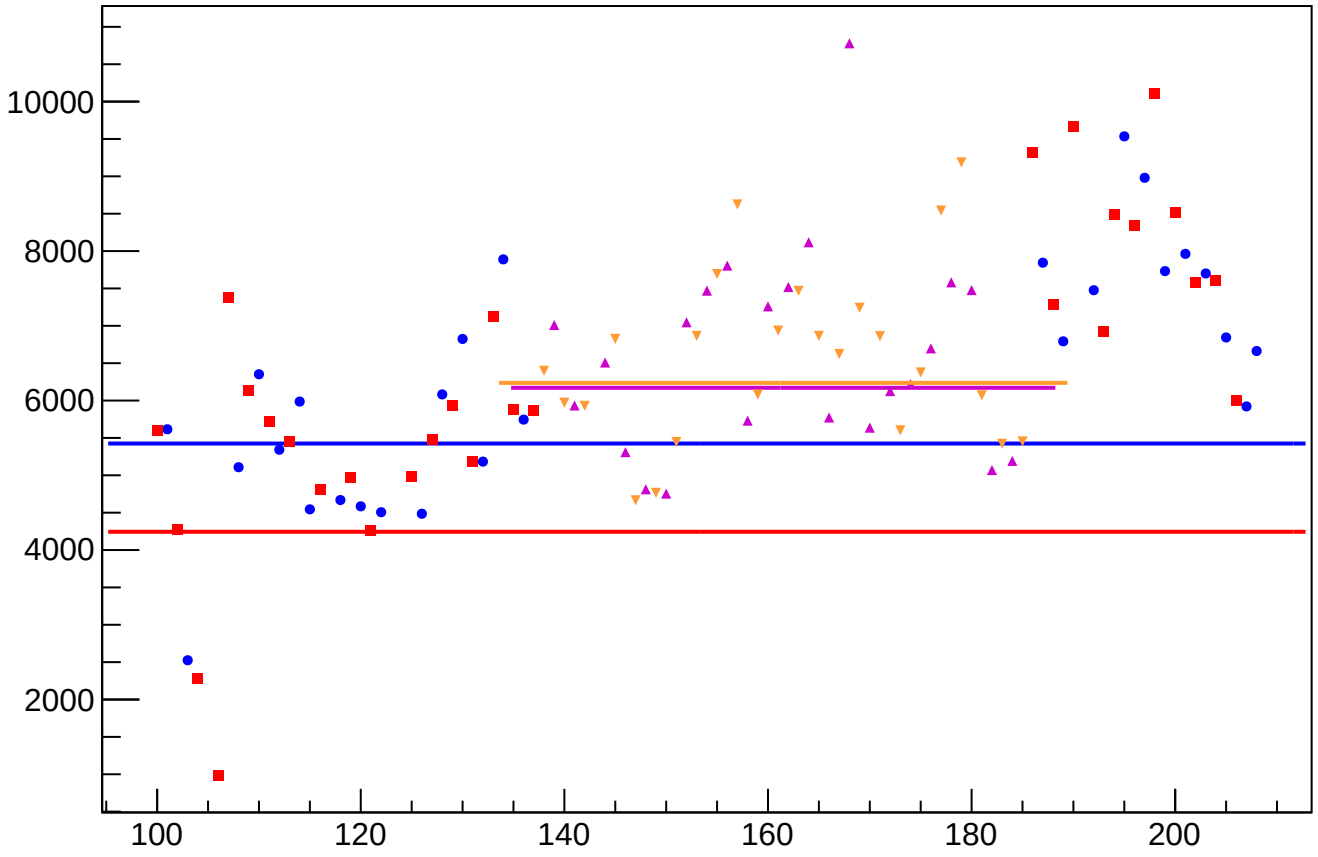
Right Out: 1507.759+/-1261.962 χ^2/NDF: 28.0/28

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -329.731+/-1034.426 χ^2/NDF: 59.0/50

All: 348.187+/-702.836 χ^2/NDF: 102.0/102

- sign 929.512+/-957.900 χ^2/NDF: 42.1/51



Right In: 5424.955+/-1.024 χ^2/NDF: 3286574.4/26

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4244.329+/-0.892 χ^2/NDF: 8656058.0/28

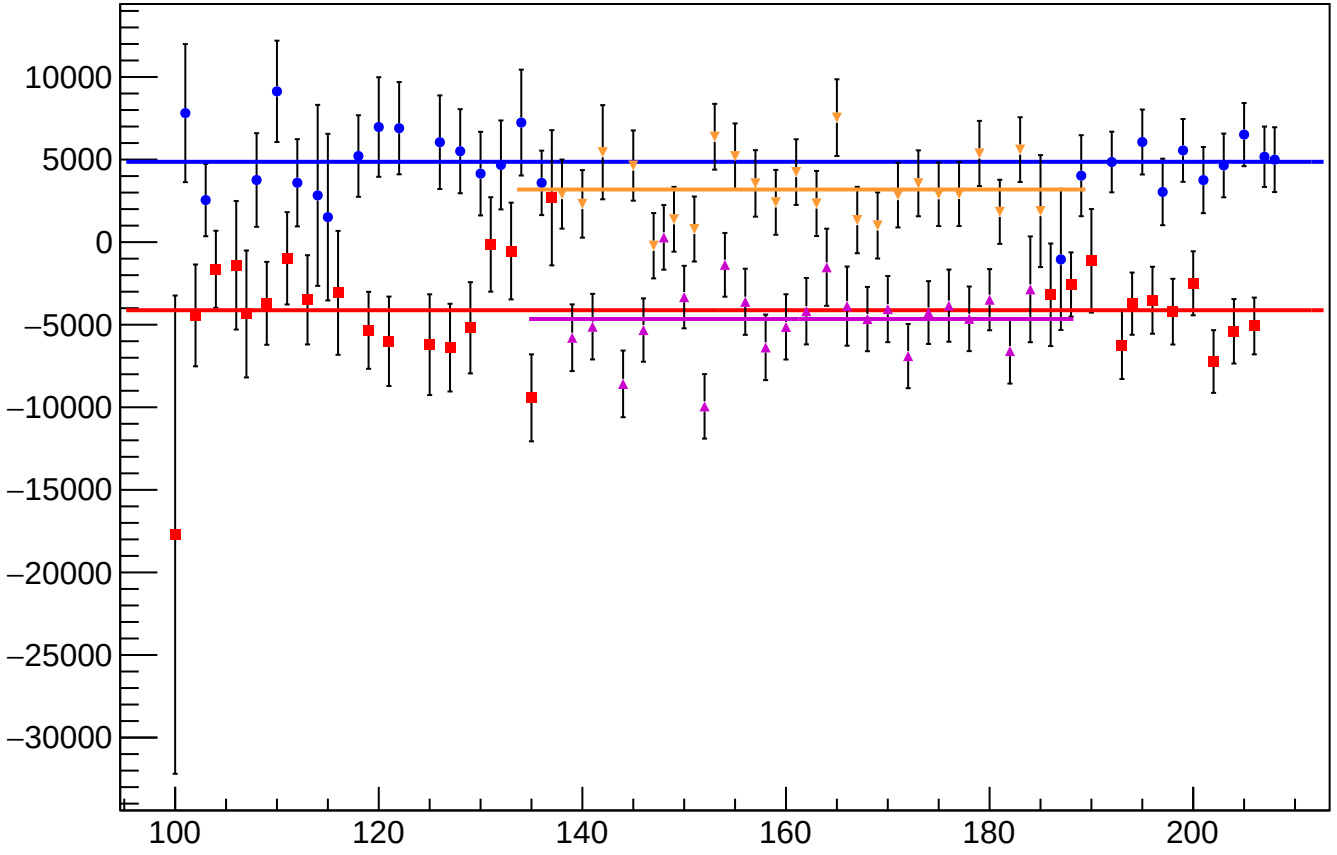
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5822.116+/-0.731 χ^2/NDF: 4661945.2/50

All: 5412.274+/-0.497 χ^2/NDF: 17114124.2/1

- sign 5060.829+/-0.677 χ^2/NDF: 11869008.9/51

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4864.349+/-461.468 χ^2/NDF: 11.3/26

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -4123.112+/-461.542 χ^2/NDF: 23.3/28

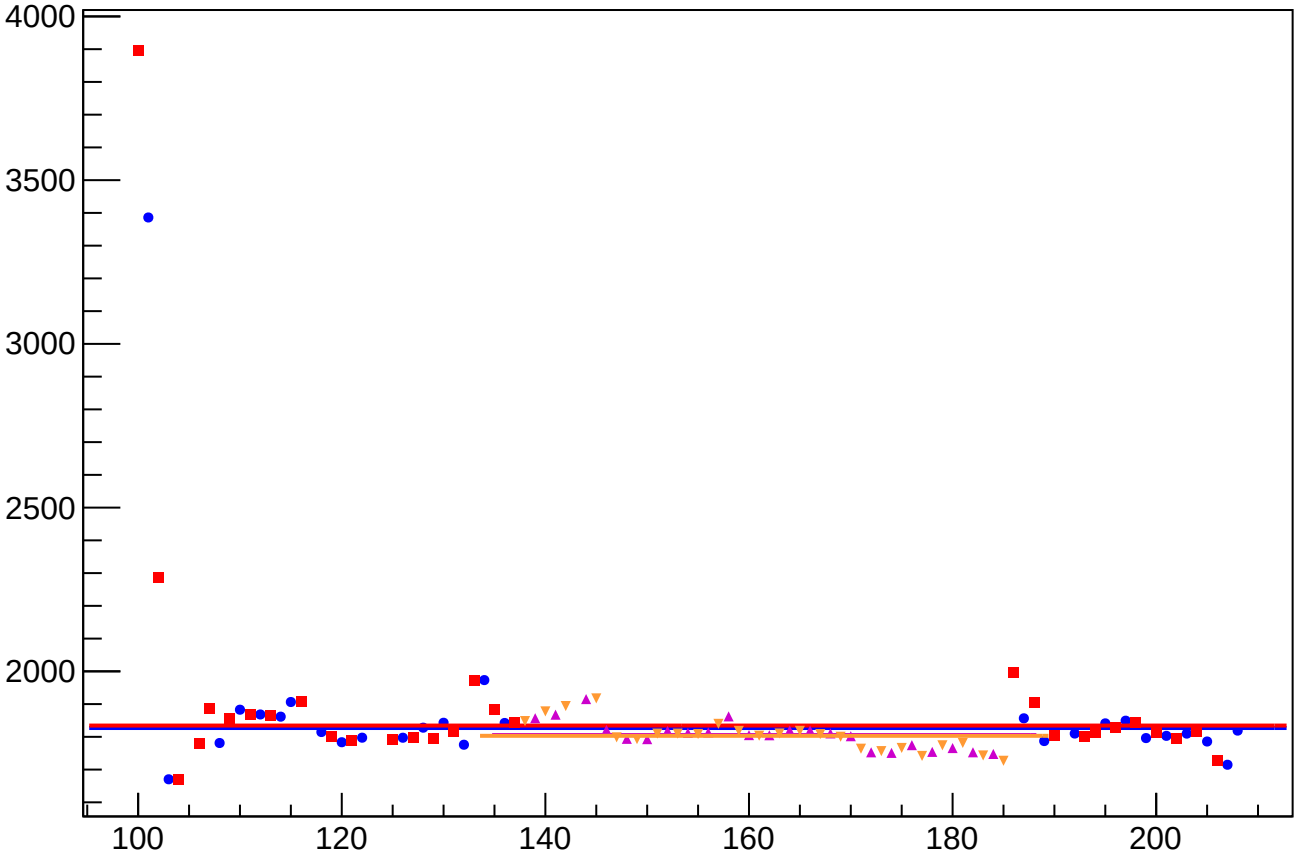
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3944.232+/-310.053 χ^2/NDF: 38.4/50

All: -217.434+/-219.686 χ^2/NDF: 451.9/102

- sign -4413.128+/-311.318 χ^2/NDF: 51.7/51

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1826.927+/-0.326 χ^2/NDF: 307274.6/26

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

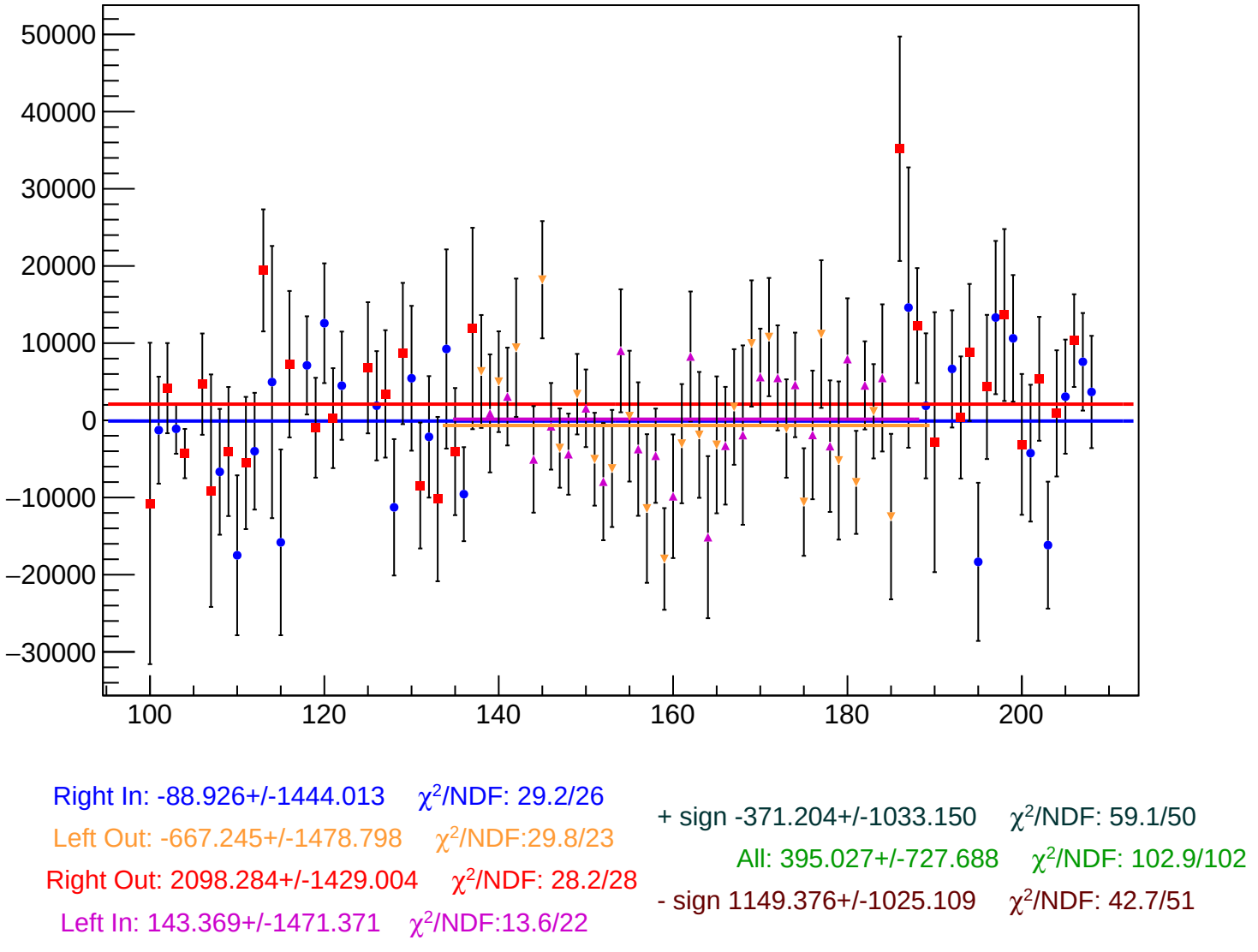
Right Out: 1834.433+/-0.326 χ^2/NDF: 121037.1/28

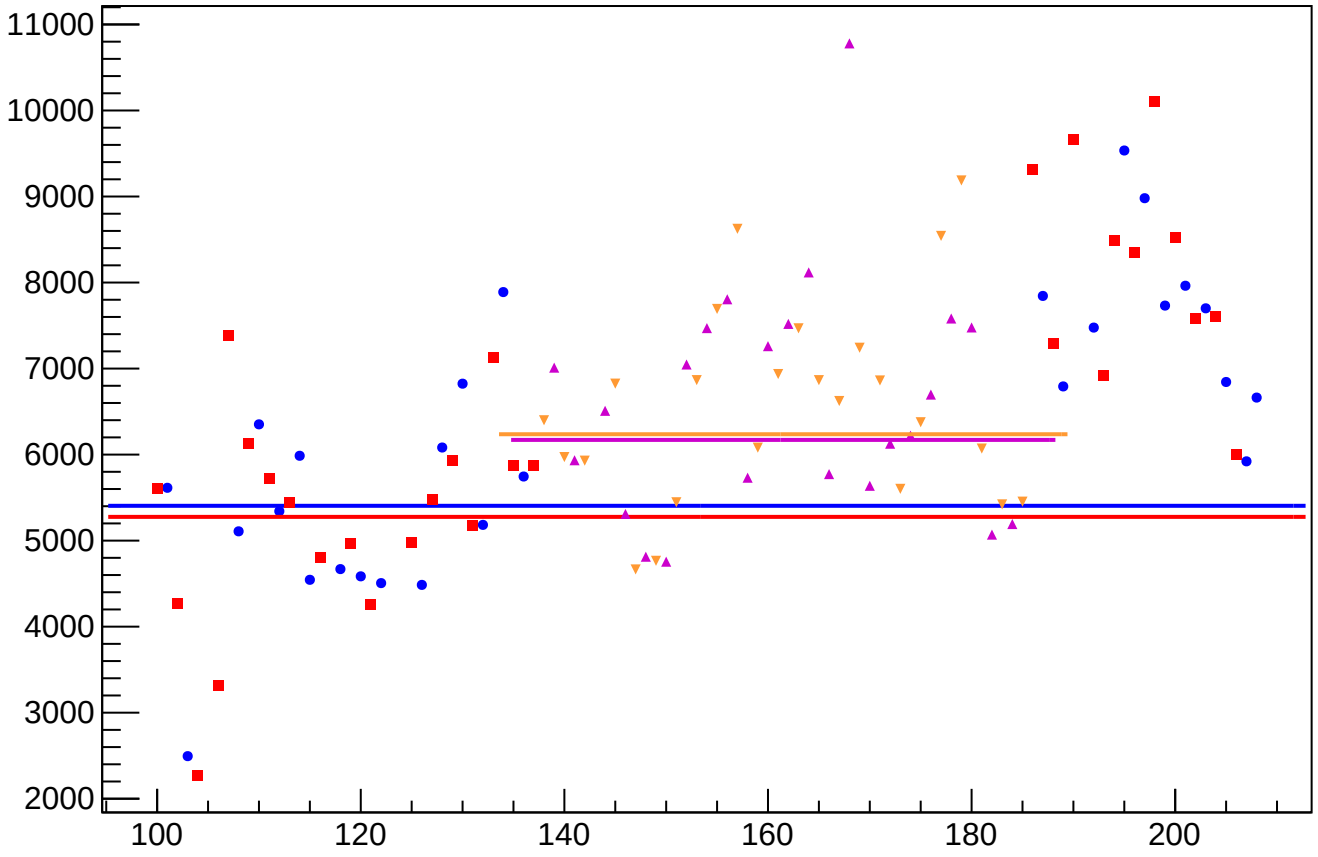
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1813.864+/-0.219 χ^2/NDF: 330837.0/50

All: 1816.280+/-0.155 χ^2/NDF: 475704.3/102

- sign 1818.713+/-0.220 χ^2/NDF: 144623.6/51


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -88.926+/-1444.013 χ²/NDF: 29.2/26
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 2098.284+/-1429.004 χ²/NDF: 28.2/28
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -371.204+/-1033.150 χ²/NDF: 59.1/50
All: 395.027+/-727.688 χ²/NDF: 102.9/102
- sign 1149.376+/-1025.109 χ²/NDF: 42.7/51



Right In: 5404.822+/-1.021 χ^2/NDF: 3359313.9/26

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

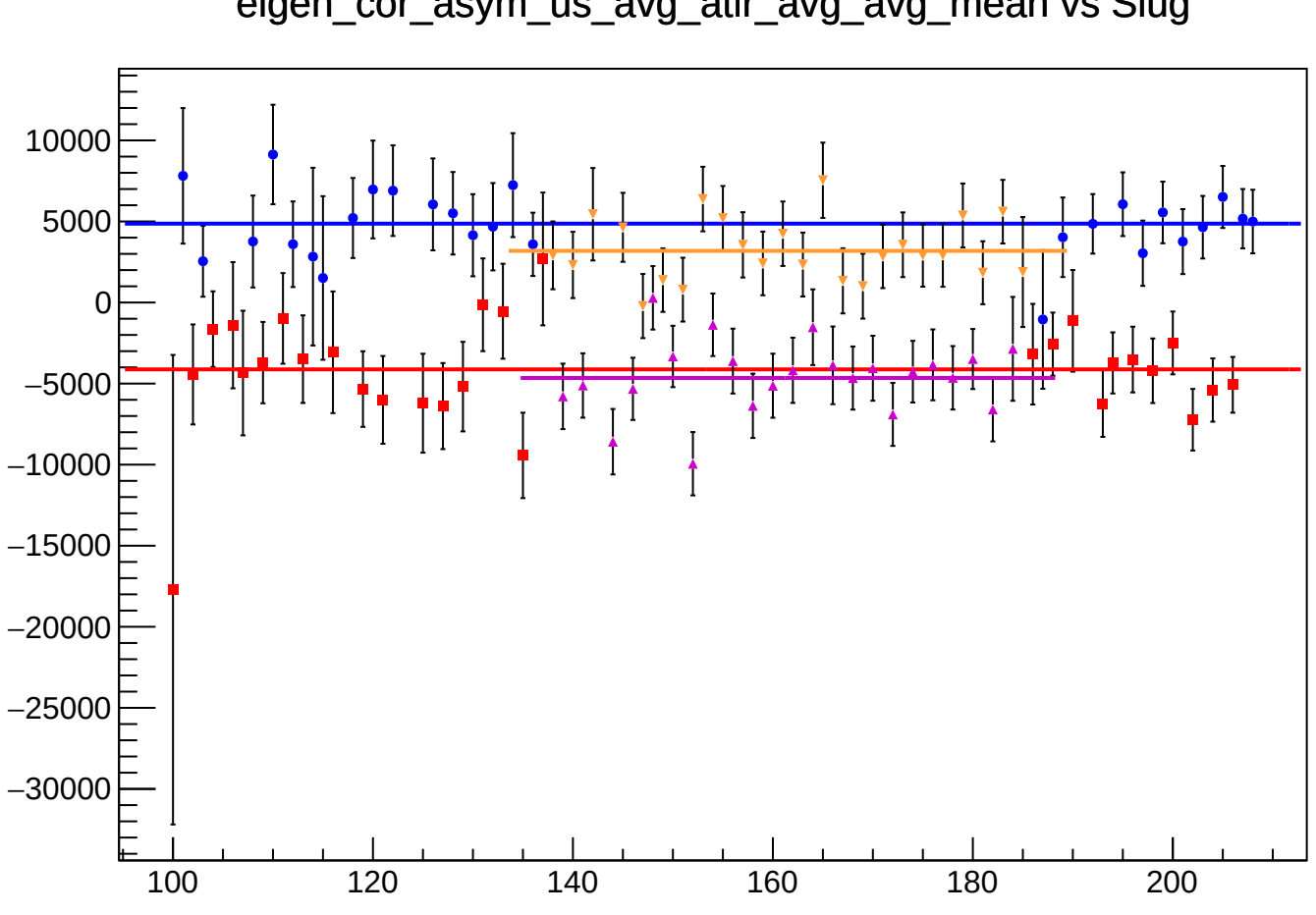
Right Out: 5276.114+/-1.010 χ^2/NDF: 4210937.4/28

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5810.830+/-0.731 χ^2/NDF: 4750907.0/50

All: 5760.216+/-0.515 χ^2/NDF: 10589465.0/1

- sign 5710.386+/-0.725 χ^2/NDF: 5829032.0/51



Right In: 4864.349+/-461.468 χ^2/NDF: 11.3/26

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -4123.112+/-461.542 χ^2/NDF: 23.3/28

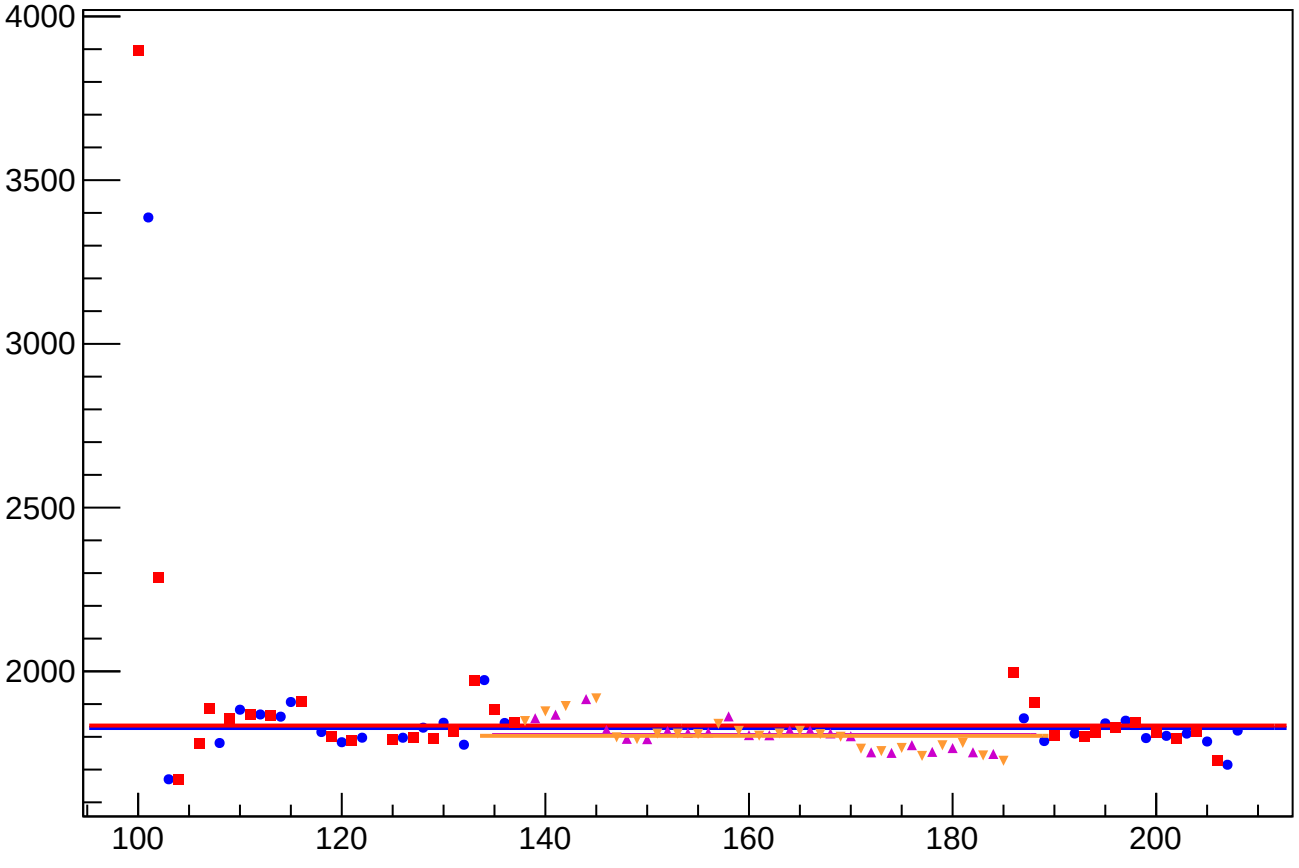
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3944.232+/-310.053 χ^2/NDF: 38.4/50

All: -217.434+/-219.686 χ^2/NDF: 451.9/102

- sign -4413.128+/-311.318 χ^2/NDF: 51.7/51

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1826.927+/-0.326 χ^2/NDF: 307274.6/26

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

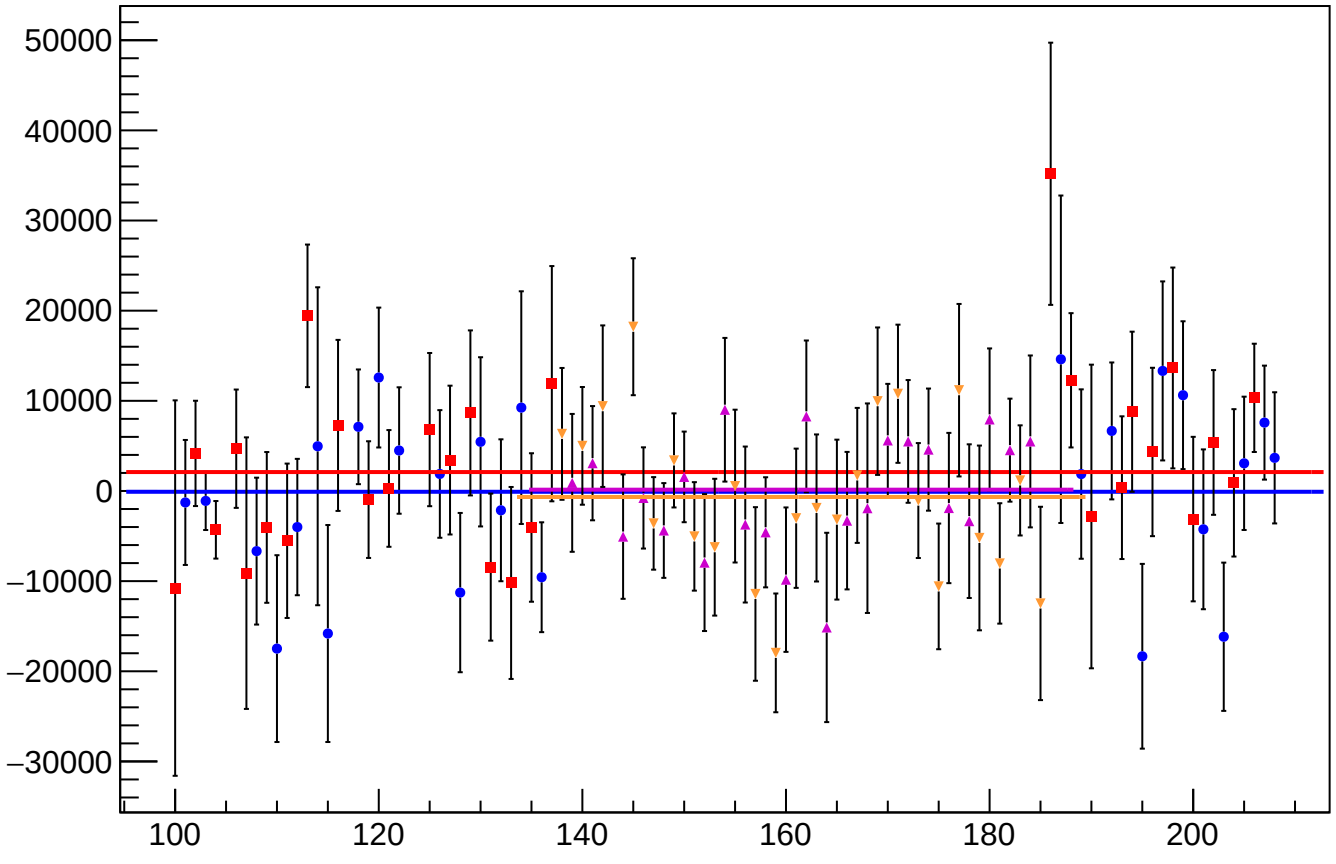
Right Out: 1834.433+/-0.326 χ^2/NDF: 121037.1/28

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1813.864+/-0.219 χ^2/NDF: 330837.0/50

All: 1816.280+/-0.155 χ^2/NDF: 475704.3/102

- sign 1818.713+/-0.220 χ^2/NDF: 144623.6/51



Right In: -88.926+/-1444.013 χ^2/NDF: 29.2/26

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

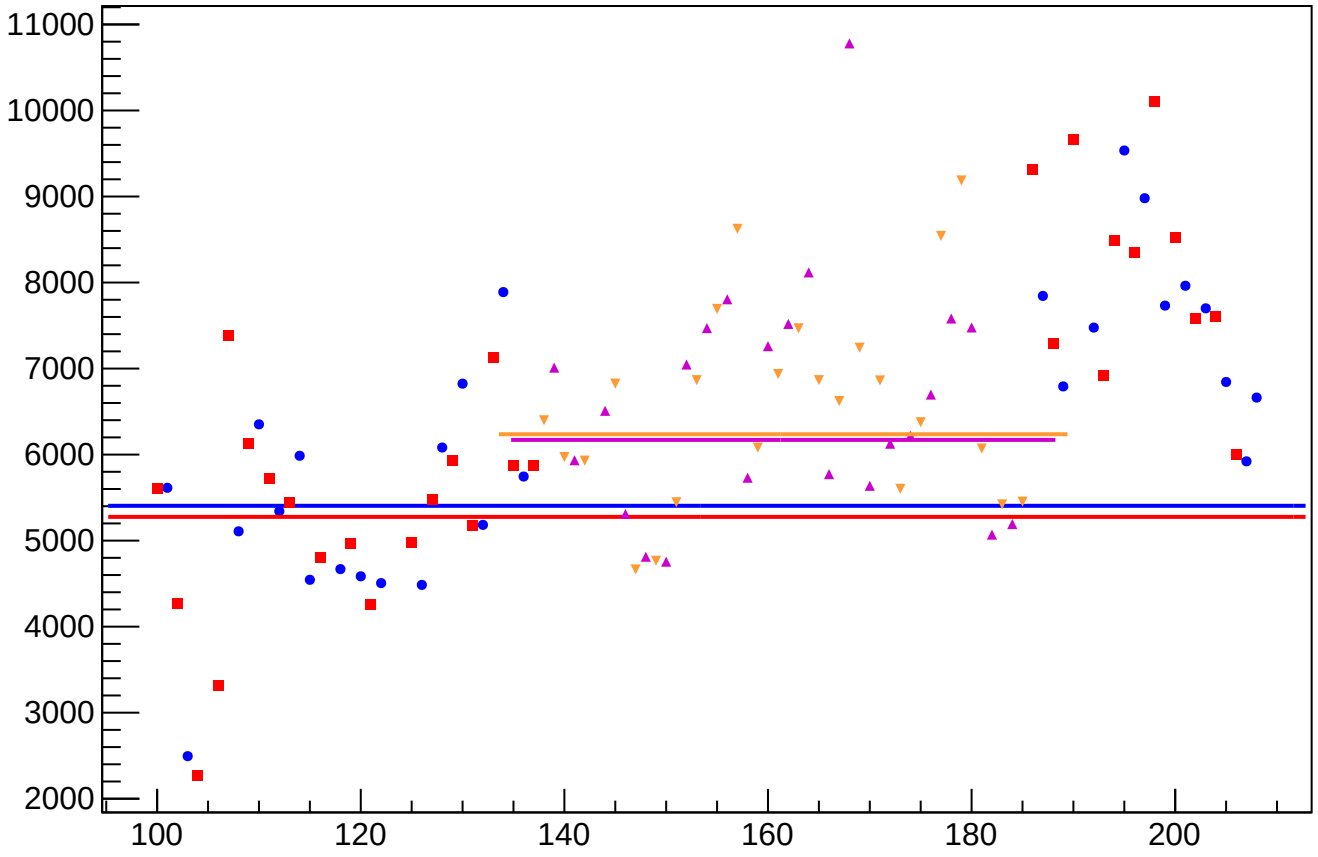
Right Out: 2098.284+/-1429.004 χ^2/NDF: 28.2/28

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -371.204+/-1033.150 χ^2/NDF: 59.1/50

All: 395.027+/-727.688 χ^2/NDF: 102.9/102

- sign 1149.376+/-1025.109 χ^2/NDF: 42.7/51



Right In: 5404.822+/-1.021 χ^2/NDF: 3359313.9/26

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5276.114+/-1.010 χ^2/NDF: 4210937.4/28

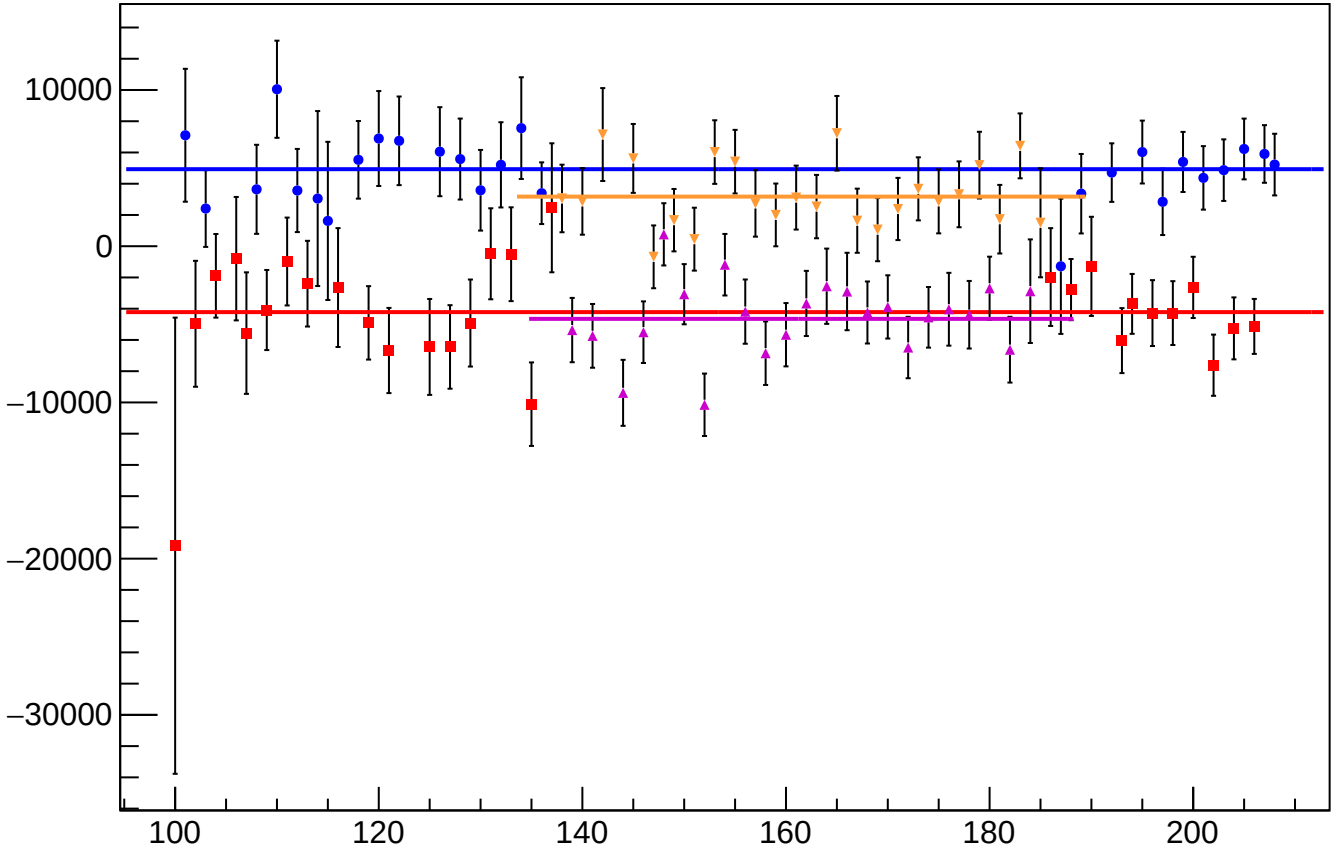
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5810.830+/-0.731 χ^2/NDF: 4750907.0/50

All: 5760.216+/-0.515 χ^2/NDF: 10589465.0/1

- sign 5710.386+/-0.725 χ^2/NDF: 5829032.0/51

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4931.051+/-471.048 χ^2/NDF: 12.3/26

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -4218.577+/-473.406 χ^2/NDF: 24.4/28

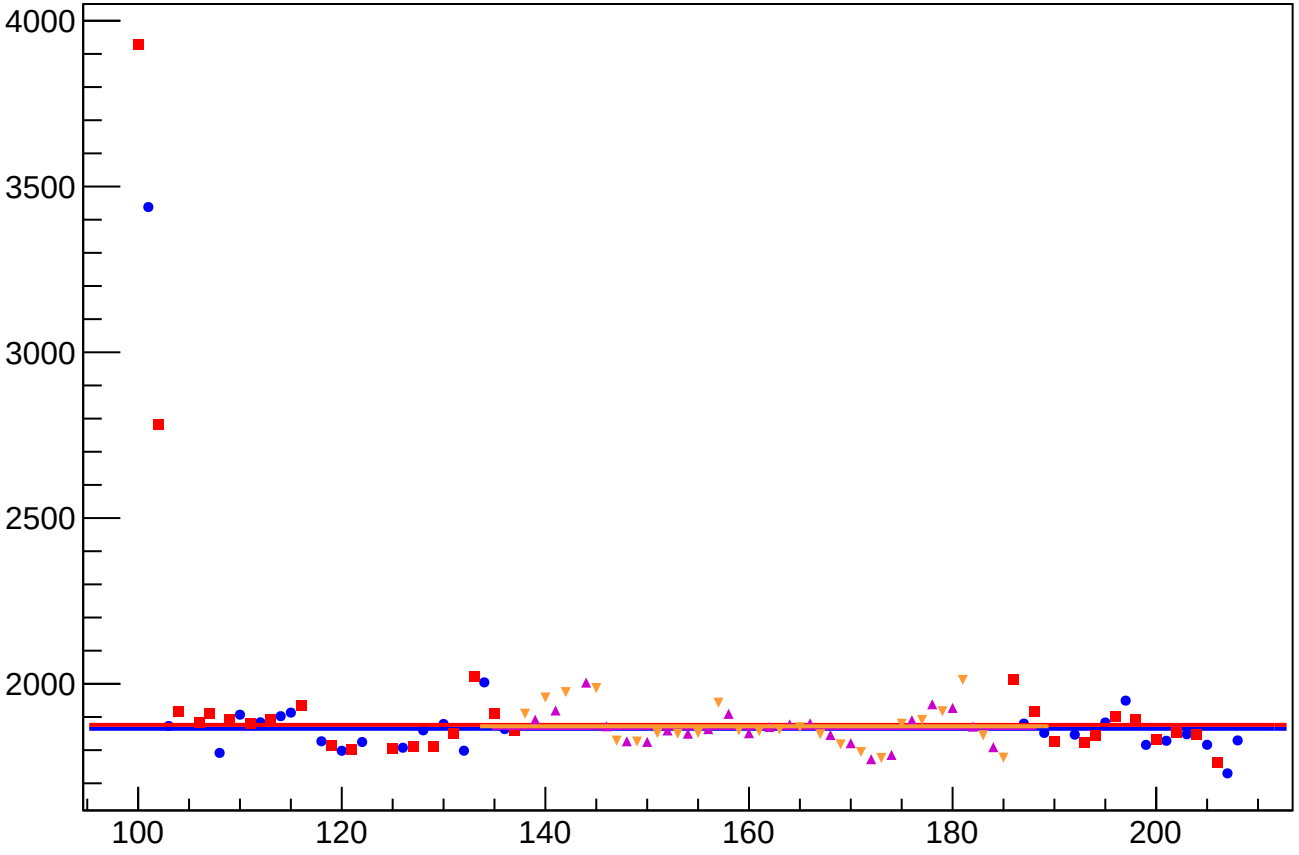
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3982.656+/-319.503 χ^2/NDF: 41.3/50

All: -217.836+/-226.375 χ^2/NDF: 443.8/102

- sign -4452.156+/-320.787 χ^2/NDF: 55.4/51

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1864.405+/-0.333 χ^2/NDF: 301596.1/26

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

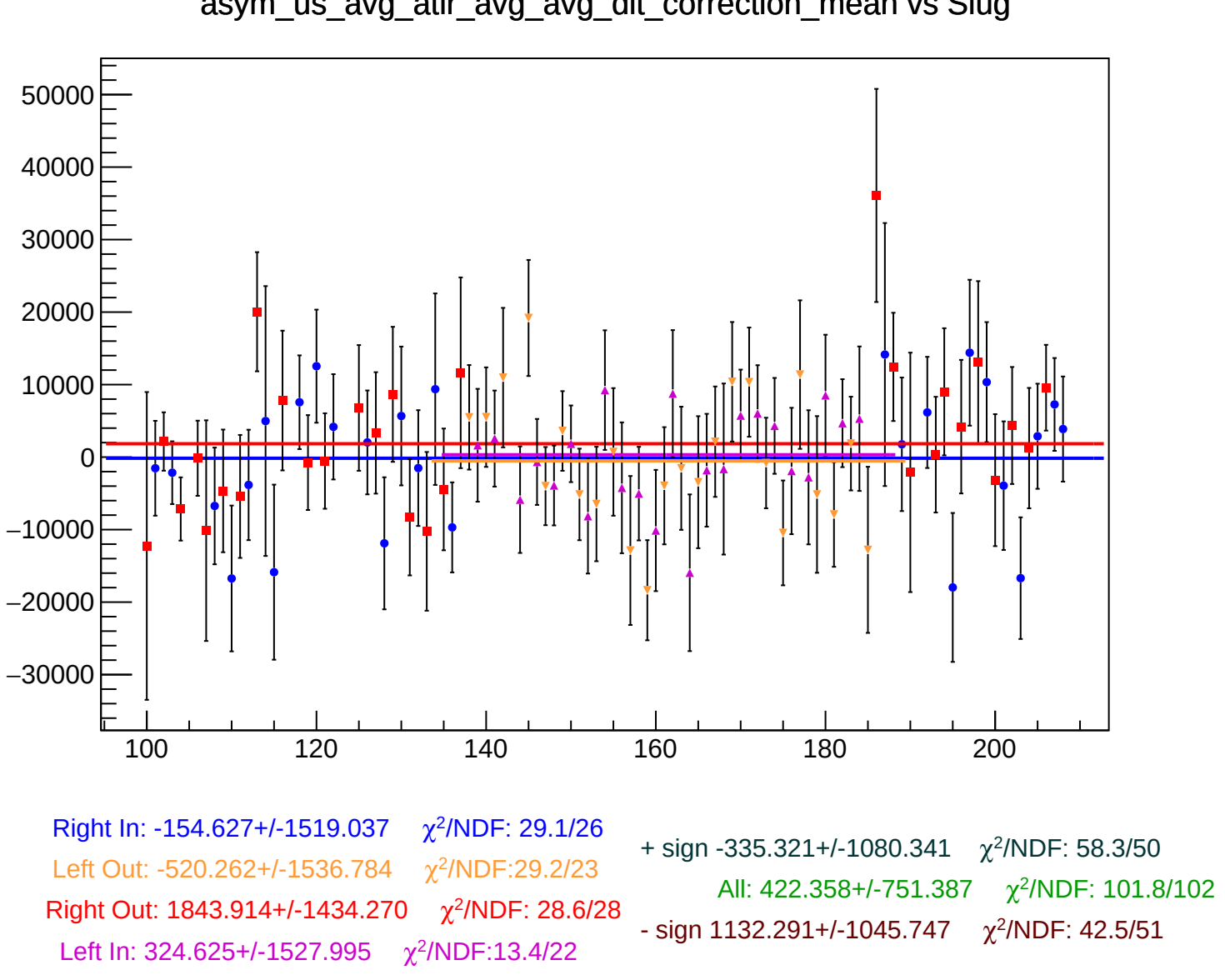
Right Out: 1876.220+/-0.335 χ^2/NDF: 170460.6/28

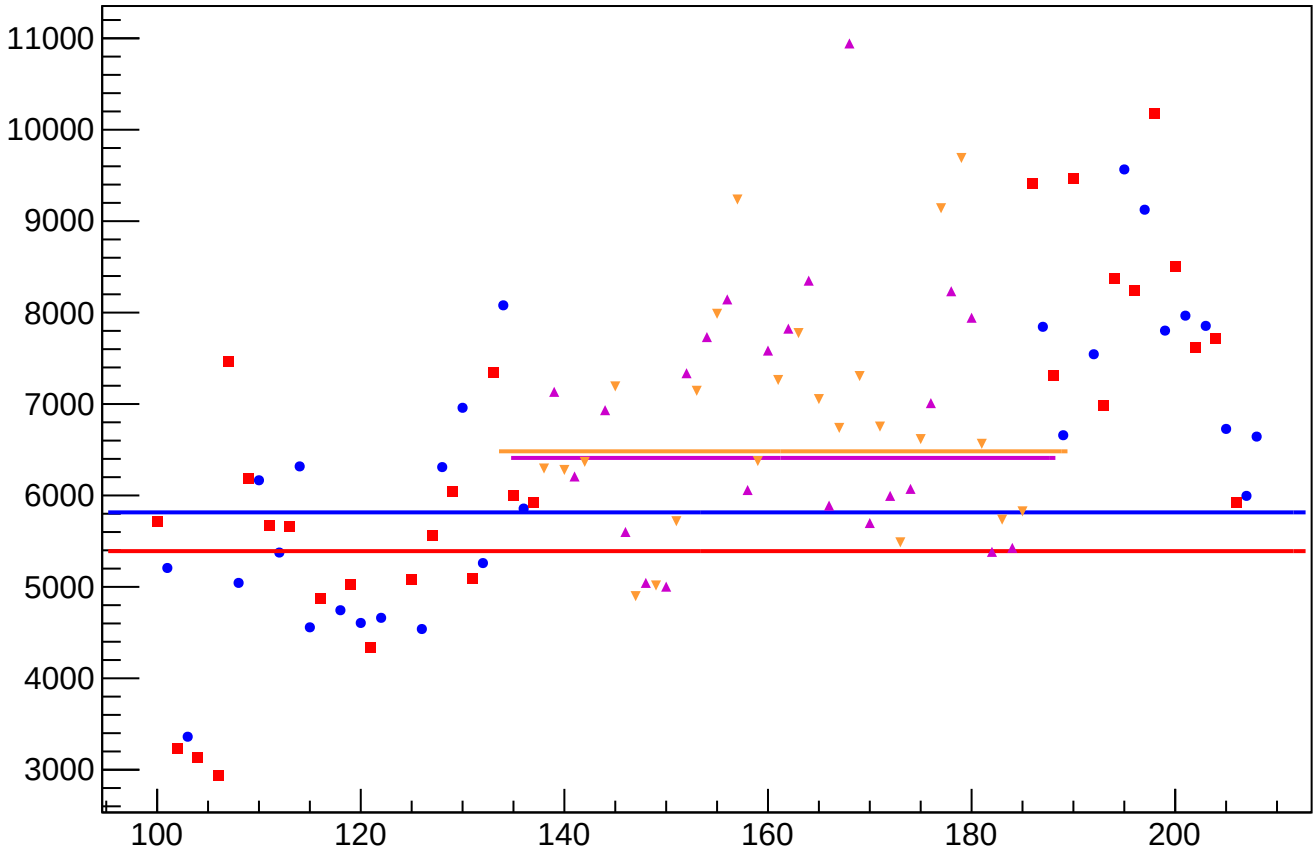
Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1868.495+/-0.226 χ^2/NDF: 339030.1/50

All: 1869.881+/-0.160 χ^2/NDF: 537216.5/102

- sign 1871.278+/-0.227 χ^2/NDF: 198110.8/51


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -154.627+/-1519.037 χ²/NDF: 29.1/26
Left Out: -520.262+/-1536.784 χ²/NDF:29.2/23
Right Out: 1843.914+/-1434.270 χ²/NDF: 28.6/28
Left In: 324.625+/-1527.995 χ²/NDF:13.4/22
+ sign -335.321+/-1080.341 χ²/NDF: 58.3/50
All: 422.358+/-751.387 χ²/NDF: 101.8/102
- sign 1132.291+/-1045.747 χ²/NDF: 42.5/51



Right In: 5814.958+/-1.074 χ^2/NDF: 2067998.9/26

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

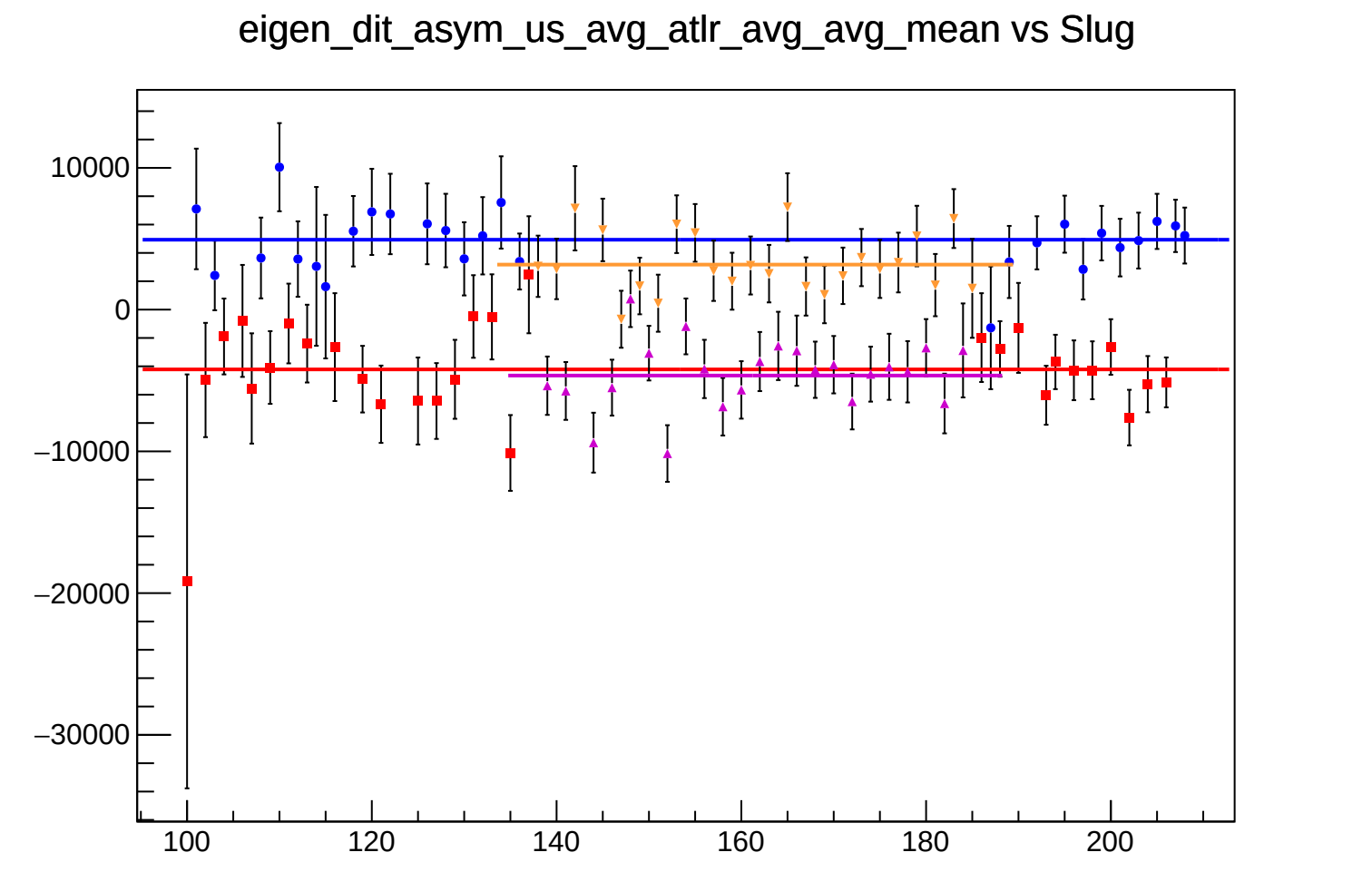
Right Out: 5391.117+/-1.014 χ^2/NDF: 3607200.6/28

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 6144.966+/-0.764 χ^2/NDF: 3333589.2/50

All: 6002.262+/-0.531 χ^2/NDF: 8701346.3/10

- sign 5868.550+/-0.739 χ^2/NDF: 5300163.2/51



Right In: 4931.048+/-471.048 χ^2/NDF: 12.3/26

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -4218.571+/-473.406 χ^2/NDF: 24.4/28

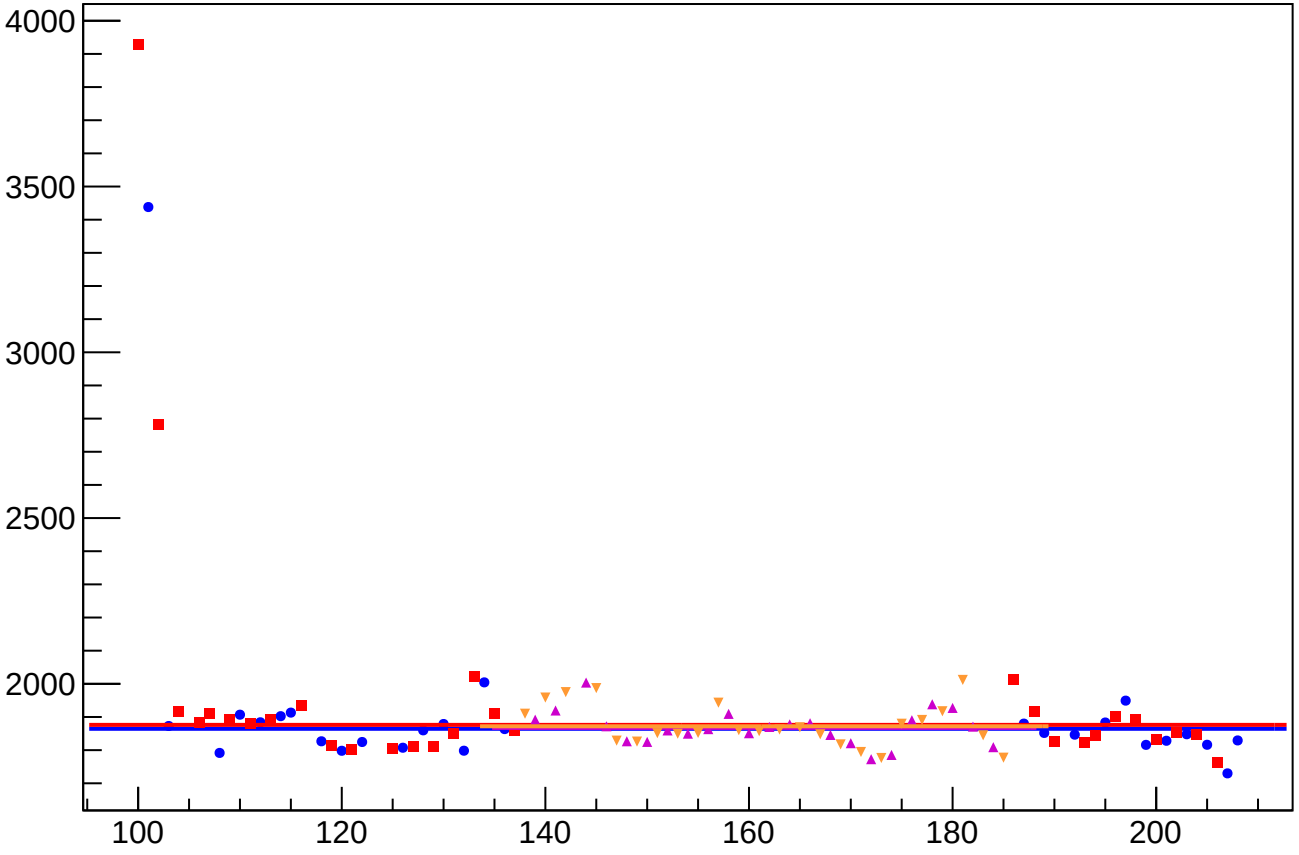
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3982.652+/-319.503 χ^2/NDF: 41.3/50

All: -217.837+/-226.375 χ^2/NDF: 443.8/102

- sign -4452.154+/-320.787 χ^2/NDF: 55.4/51

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1864.405+/-0.333 χ^2/NDF: 301596.1/26

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

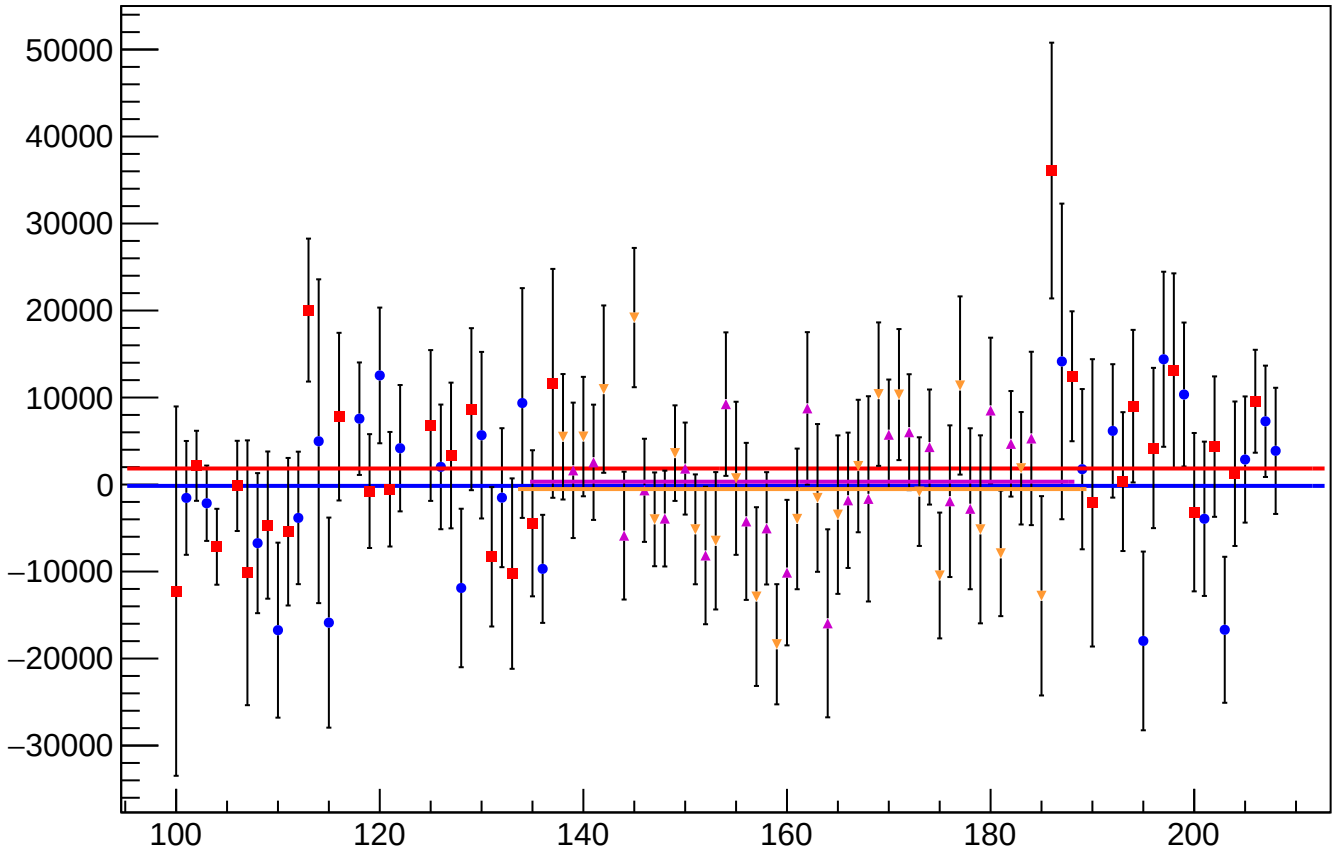
Right Out: 1876.220+/-0.335 χ^2/NDF: 170459.7/28

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1868.495+/-0.226 χ^2/NDF: 339031.3/50

All: 1869.882+/-0.160 χ^2/NDF: 537217.9/102

- sign 1871.279+/-0.227 χ^2/NDF: 198110.9/51



Right In: -154.625+/-1519.035 χ^2/NDF: 29.1/26

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

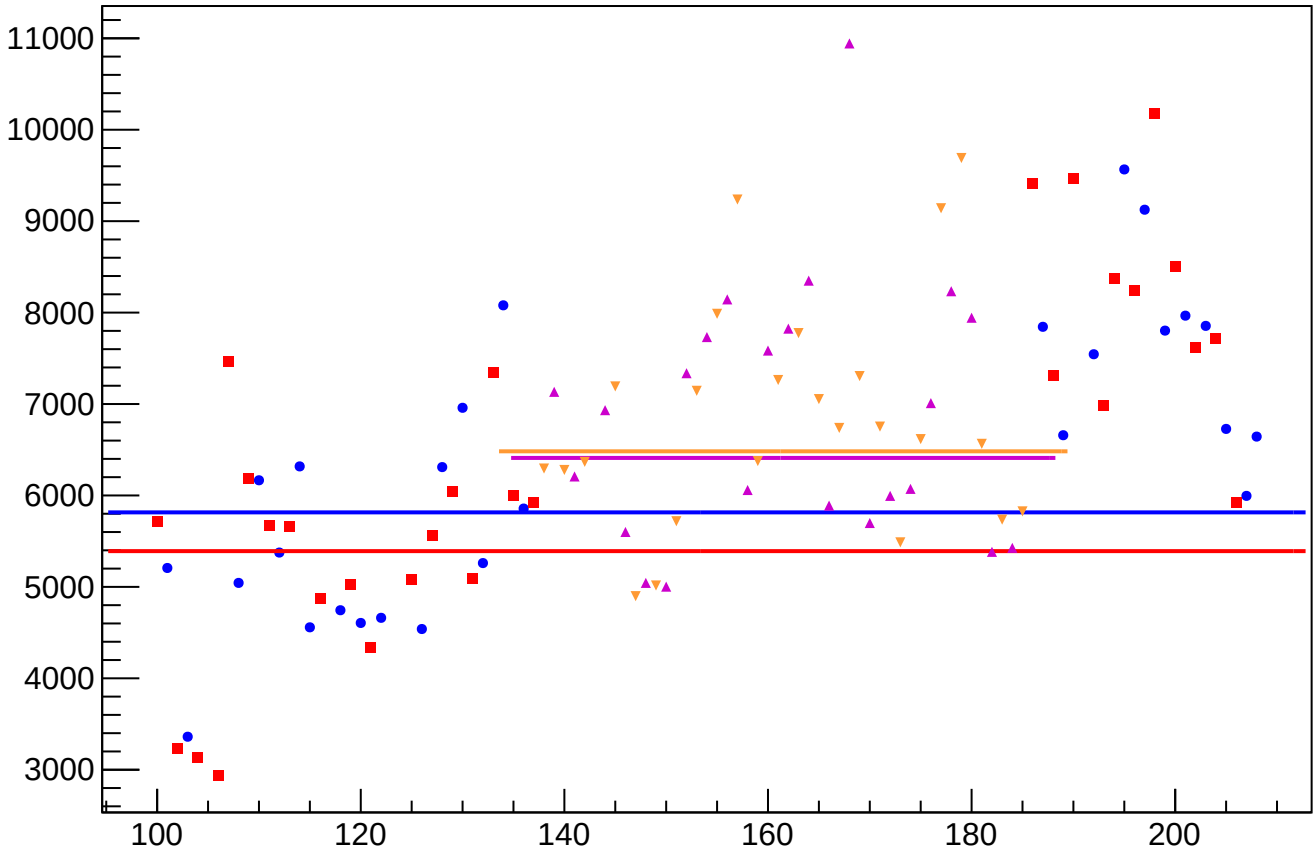
Right Out: 1843.904+/-1434.268 χ^2/NDF: 28.6/28

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -335.323+/-1080.342 χ^2/NDF: 58.3/50

All: 422.357+/-751.387 χ^2/NDF: 101.8/102

- sign 1132.289+/-1045.747 χ^2/NDF: 42.5/51



Right In: 5814.950+/-1.074 χ^2/NDF: 2068025.3/26

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5391.108+/-1.014 χ^2/NDF: 3607226.8/28

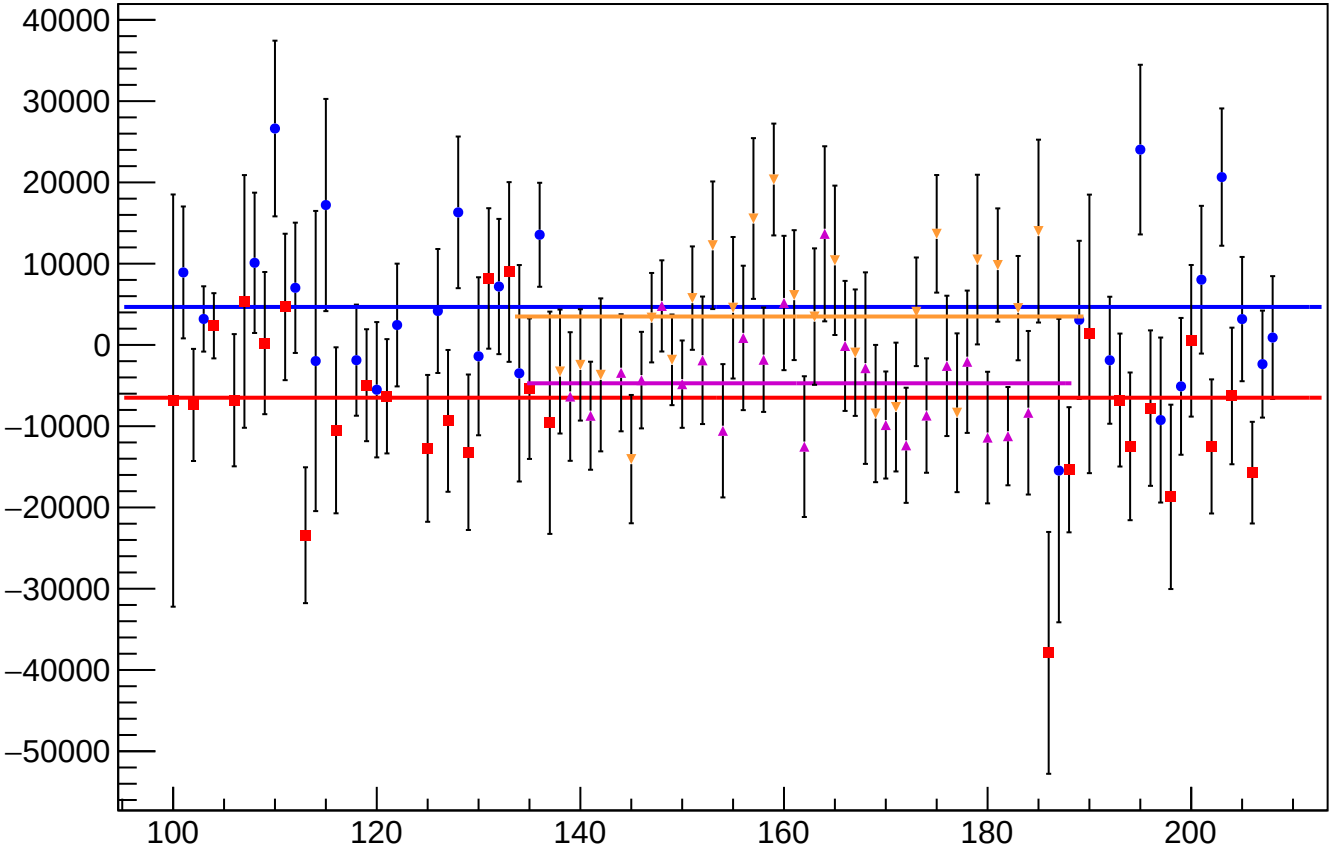
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 6144.966+/-0.764 χ^2/NDF: 3333628.6/50

All: 6002.261+/-0.531 χ^2/NDF: 8701434.4/10

- sign 5868.548+/-0.739 χ^2/NDF: 5300210.8/51

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4674.034+/-1567.250 χ^2/NDF: 26.6/26

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -6495.481+/-1566.474 χ^2/NDF: 28.7/28

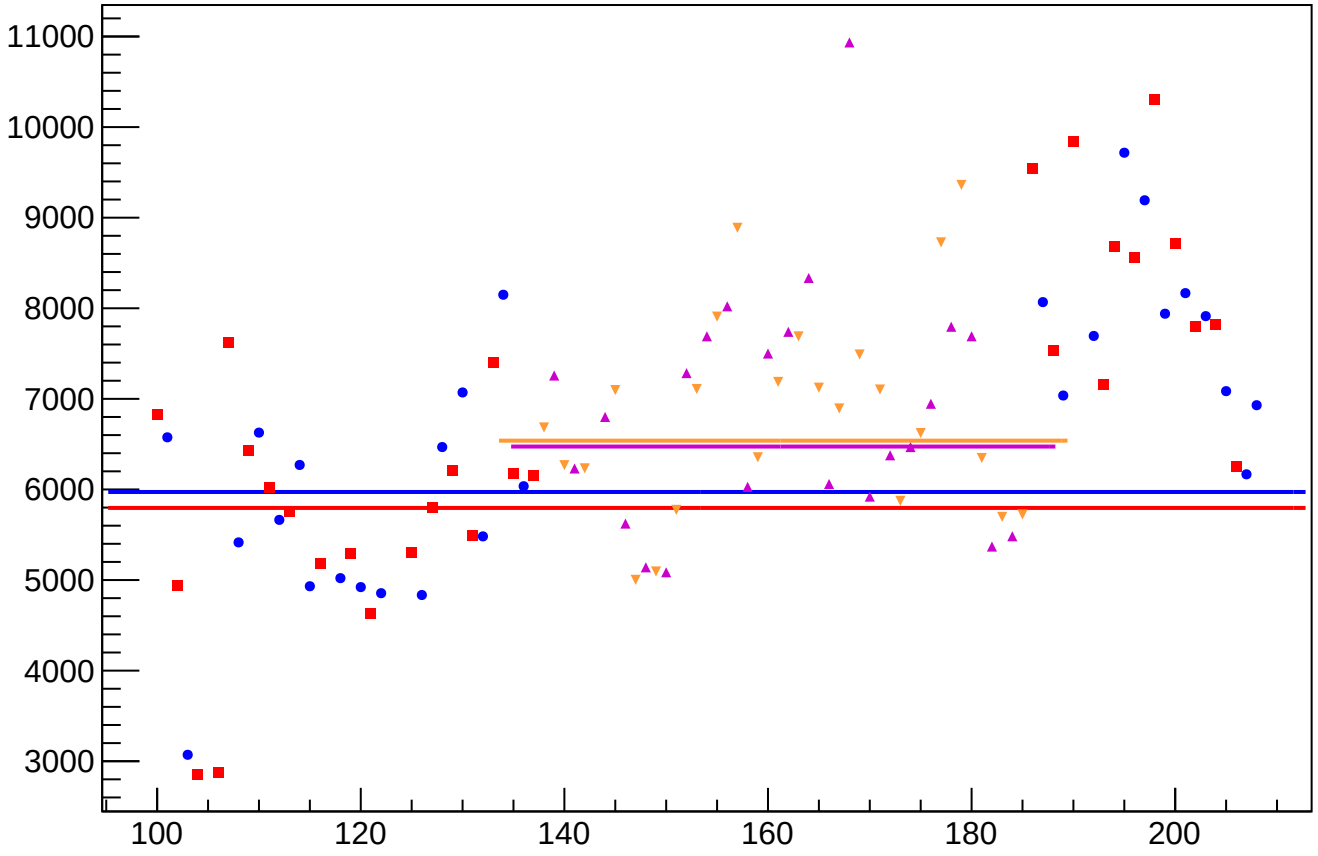
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4077.504+/-1100.565 χ^2/NDF: 54.4/50

All: -768.980+/-777.268 χ^2/NDF: 136.7/102

- sign -5591.899+/-1097.886 χ^2/NDF: 43.7/51

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5972.140+/-1.108 χ^2/NDF: 2348223.4/26

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

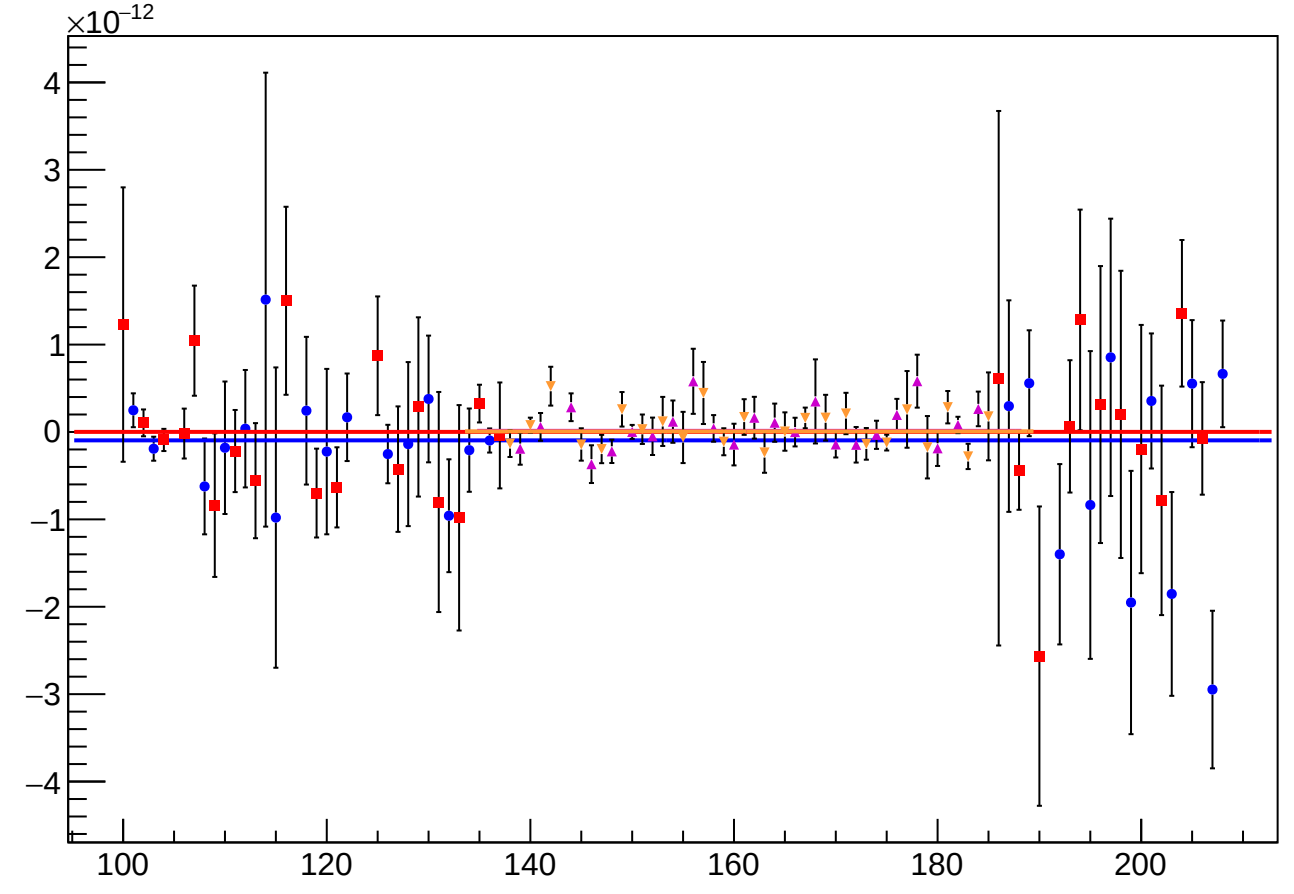
Right Out: 5796.021+/-1.093 χ^2/NDF: 3251704.5/28

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6259.317+/-0.778 χ^2/NDF: 3401319.0/50

All: 6197.138+/-0.548 χ^2/NDF: 7930394.0/10

- sign 6136.090+/-0.771 χ^2/NDF: 4516423.2/51



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

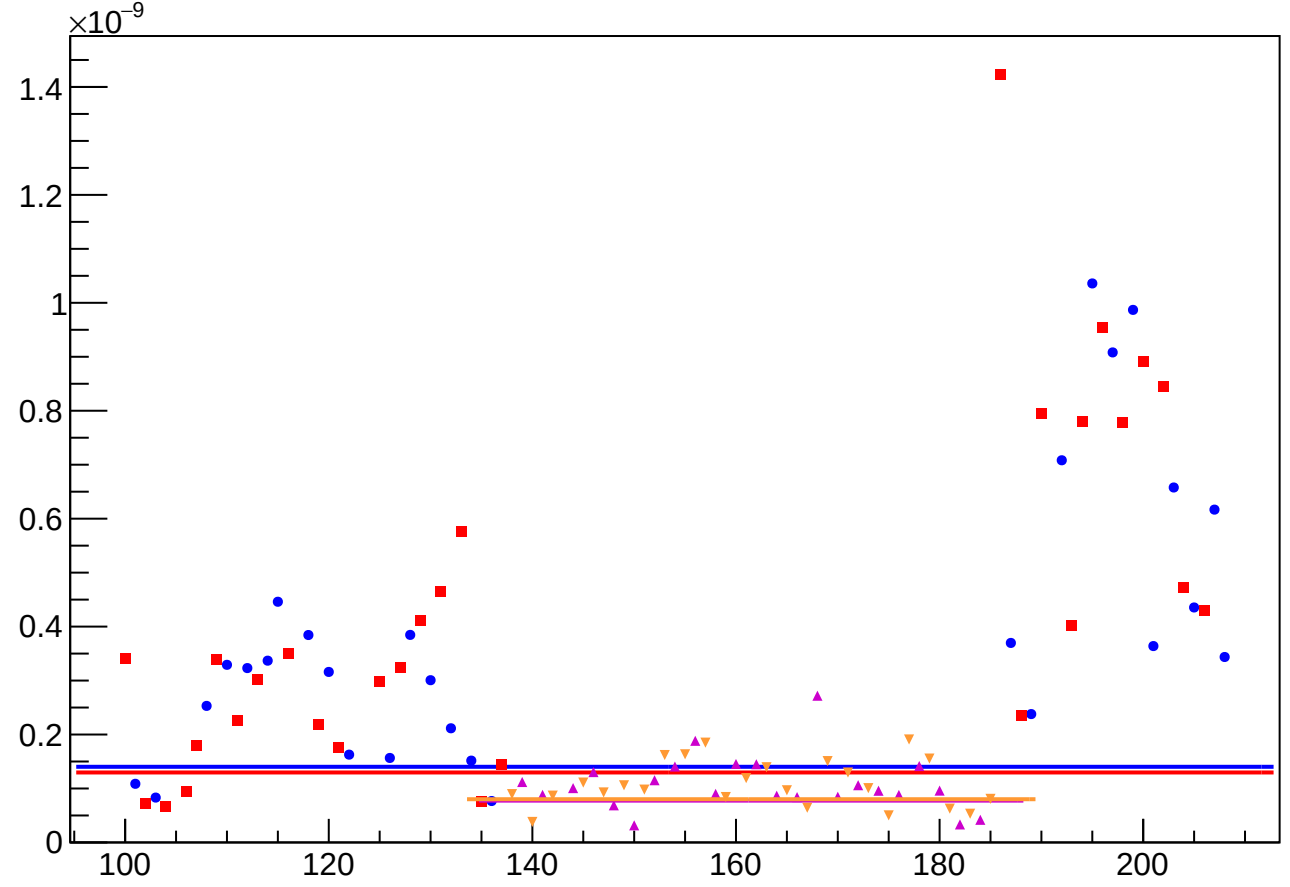
Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/28

Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.8/50

All: -0.000+/-0.000 χ^2/NDF: 105.8/102

- sign 0.000+/-0.000 χ^2/NDF: 48.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 5776110.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

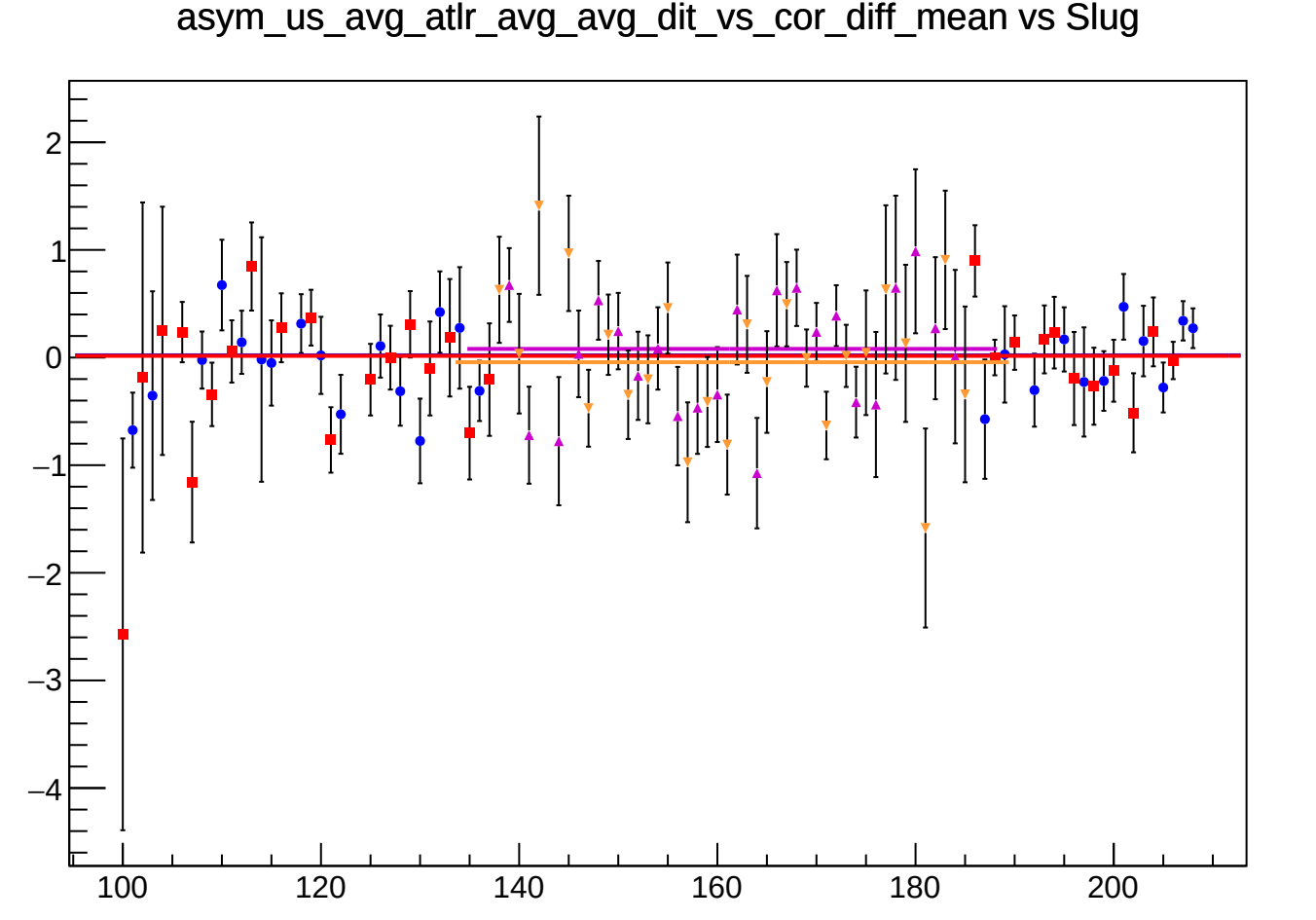
Right Out: 0.000+/-0.000 χ^2/NDF: 6662394.1/28

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8988504.0/50

All: 0.000+/-0.000 χ^2/NDF: 19122640.8/102

- sign 0.000+/-0.000 χ^2/NDF: 10116607.6/51



Right In: 0.021+/-0.061 χ^2/NDF: 30.4/26

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

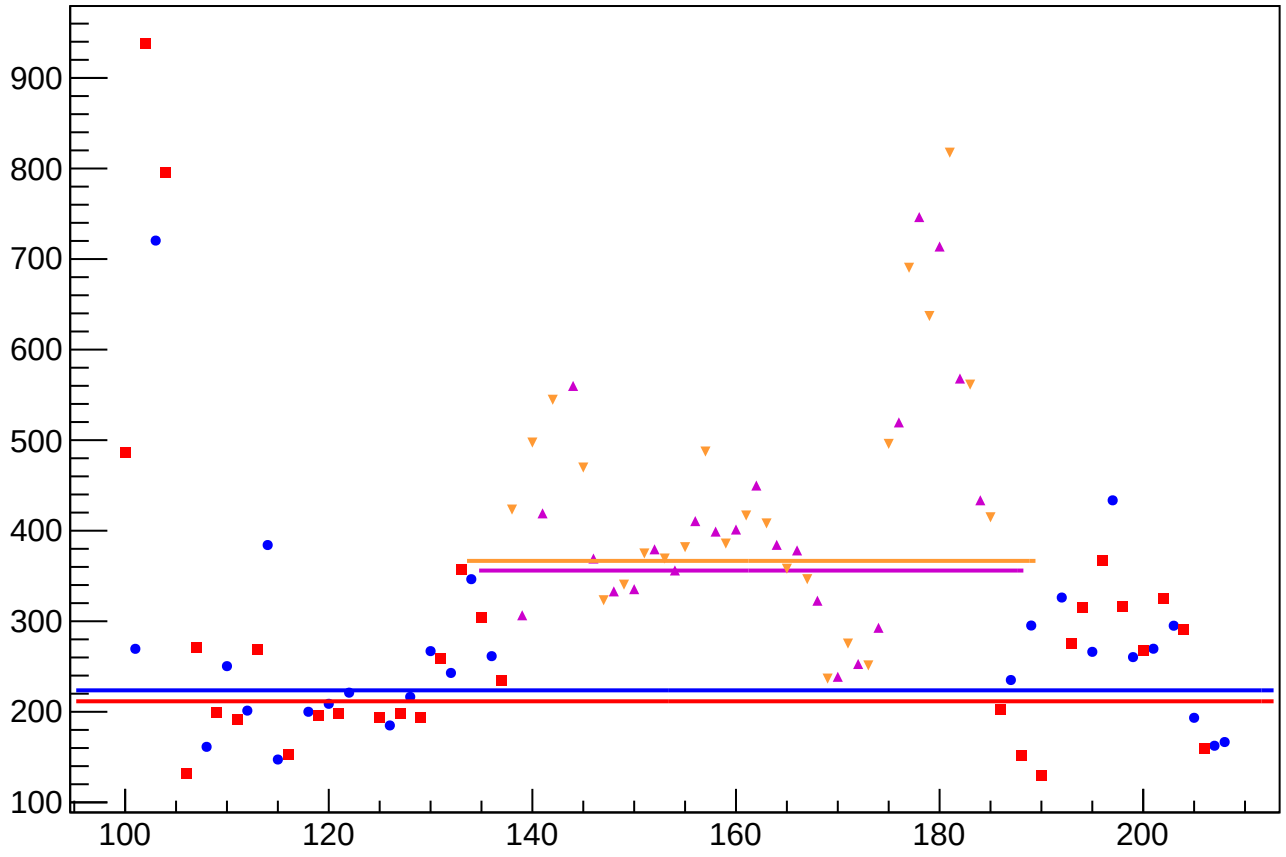
Right Out: 0.016+/-0.059 χ^2/NDF: 38.0/28

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign 0.001+/-0.050 χ^2/NDF: 61.7/50

All: 0.019+/-0.035 χ^2/NDF: 130.6/102

- sign 0.036+/-0.049 χ^2/NDF: 68.7/51



Right In: 223.704+/-0.043 χ^2/NDF: 2262495.5/26

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

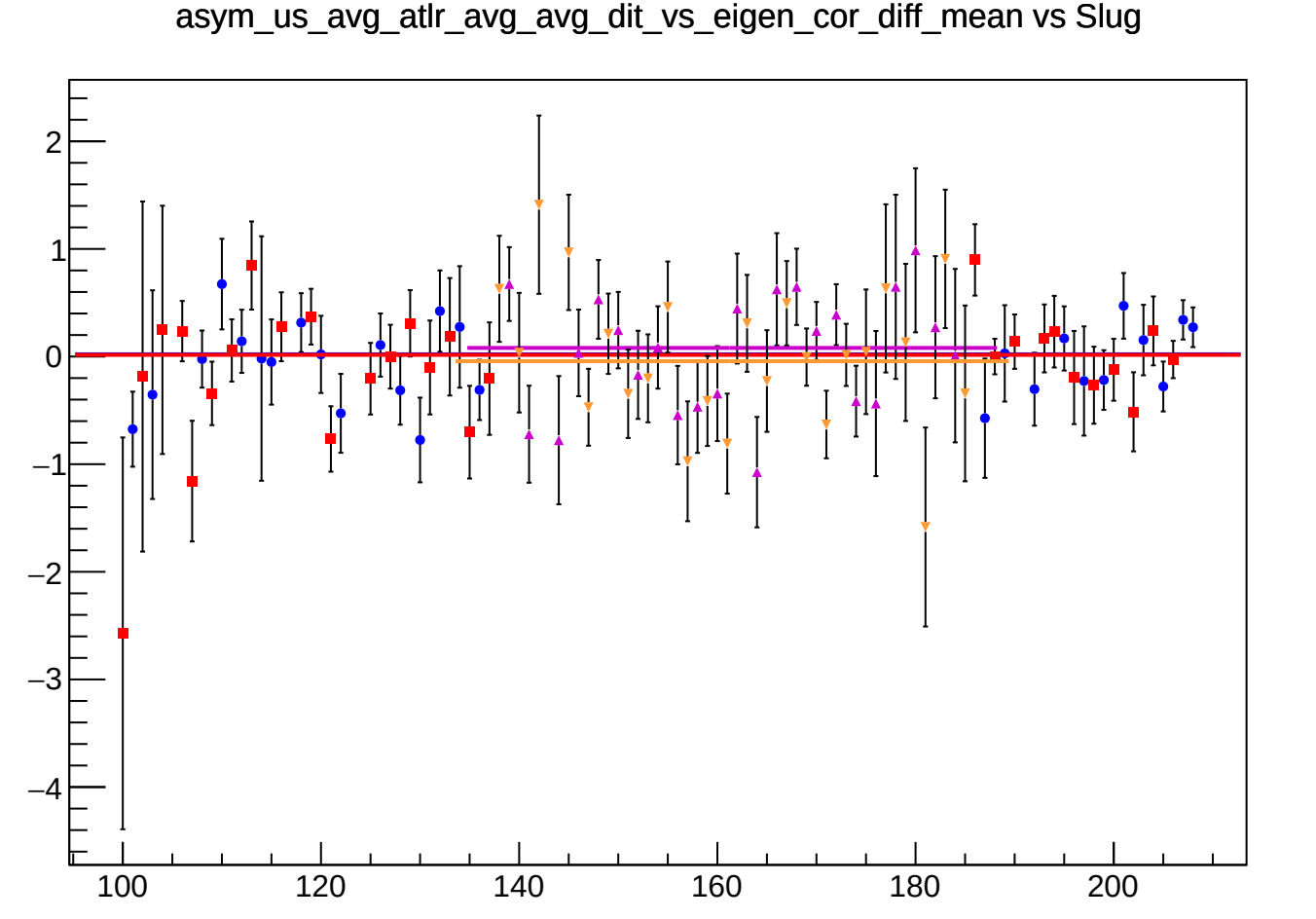
Right Out: 211.610+/-0.042 χ^2/NDF: 3302448.5/28

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 268.214+/-0.036 χ^2/NDF: 8544144.7/50

All: 262.215+/-0.025 χ^2/NDF: 18049226.8/10

- sign 256.567+/-0.035 χ^2/NDF: 9450229.0/51



Right In: 0.021+/-0.061 χ^2/NDF: 30.4/26

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

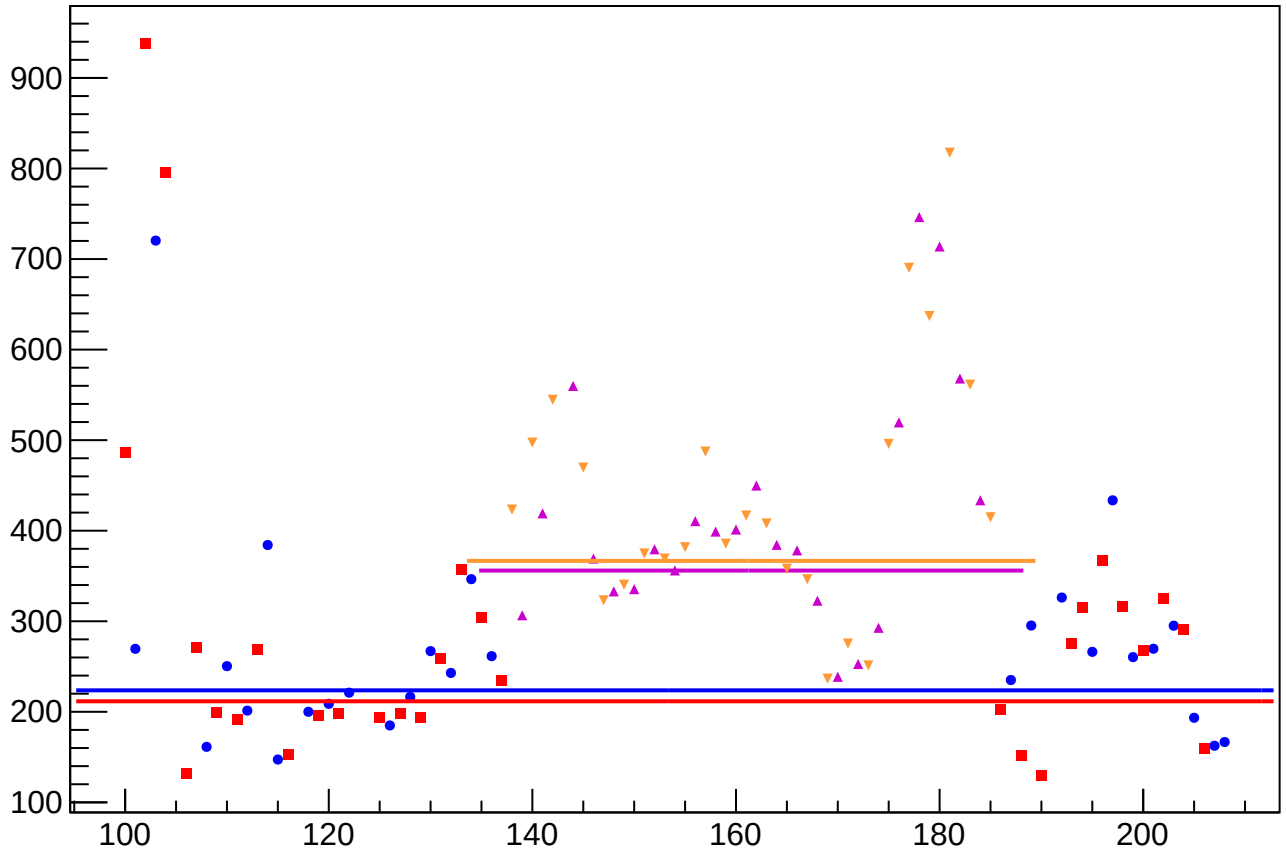
Right Out: 0.016+/-0.059 χ^2/NDF: 38.0/28

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign 0.001+/-0.050 χ^2/NDF: 61.7/50

All: 0.019+/-0.035 χ^2/NDF: 130.6/102

- sign 0.036+/-0.049 χ^2/NDF: 68.7/51



Right In: 223.704+/-0.043 χ^2/NDF: 2262495.5/26

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

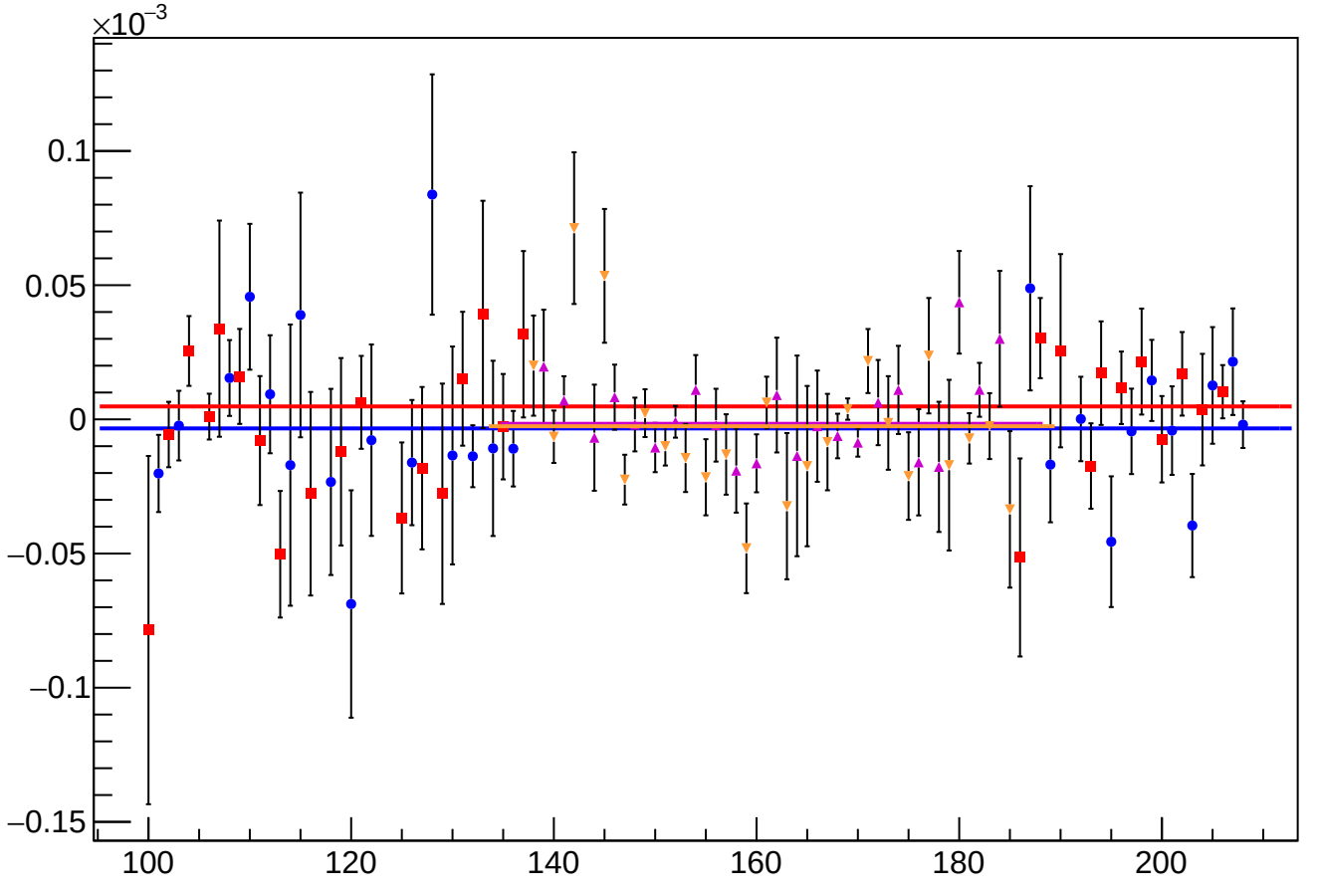
Right Out: 211.610+/-0.042 χ^2/NDF: 3302448.5/28

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 268.214+/-0.036 χ^2/NDF: 8544144.7/50

All: 262.215+/-0.025 χ^2/NDF: 18049226.8/10

- sign 256.567+/-0.035 χ^2/NDF: 9450229.0/51



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

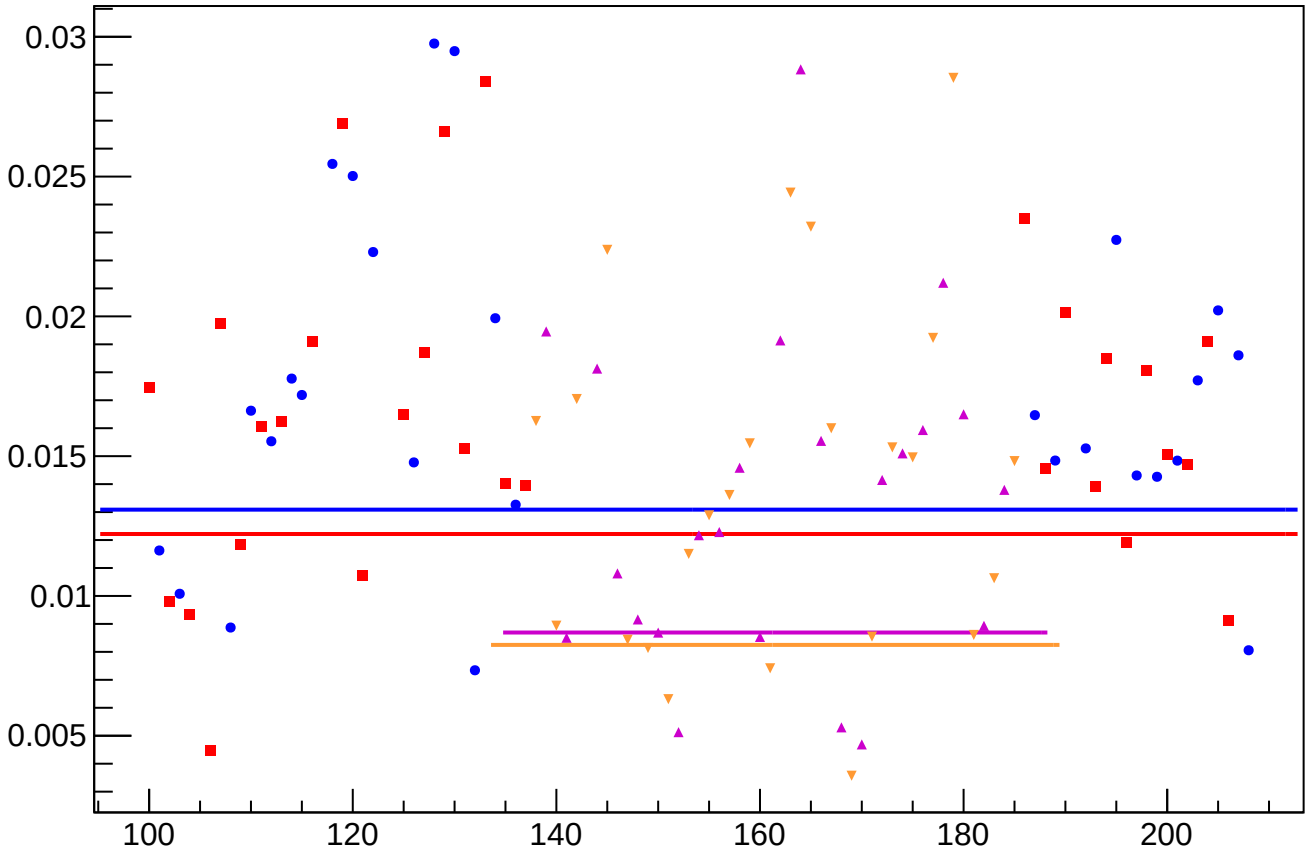
Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/28

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.6/50

All: -0.000+/-0.000 χ^2/NDF: 124.5/102

- sign 0.000+/-0.000 χ^2/NDF: 51.4/51



Right In: 0.013+/-0.000 χ^2/NDF: 3723116.4/26

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

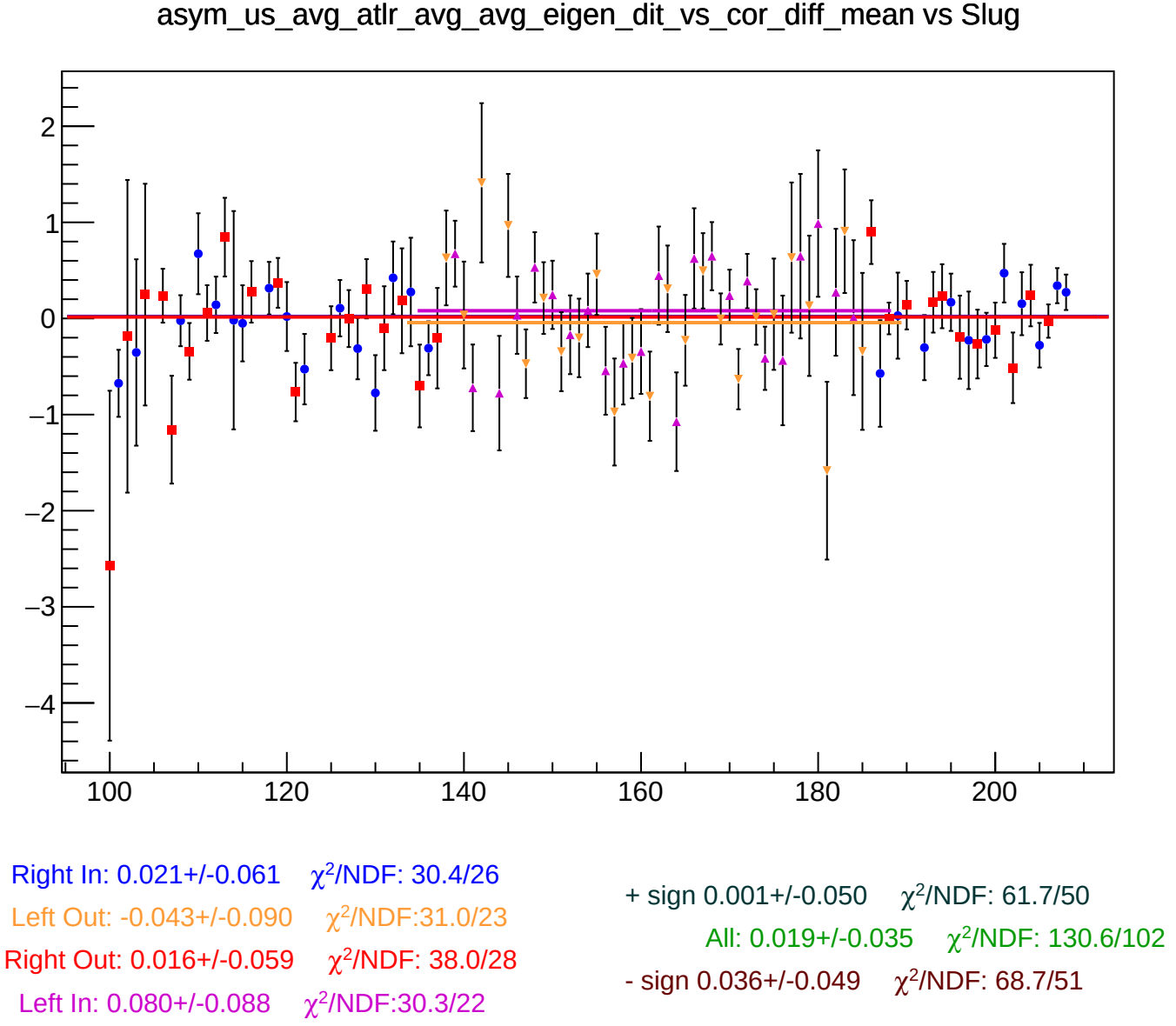
Right Out: 0.012+/-0.000 χ^2/NDF: 4448740.9/28

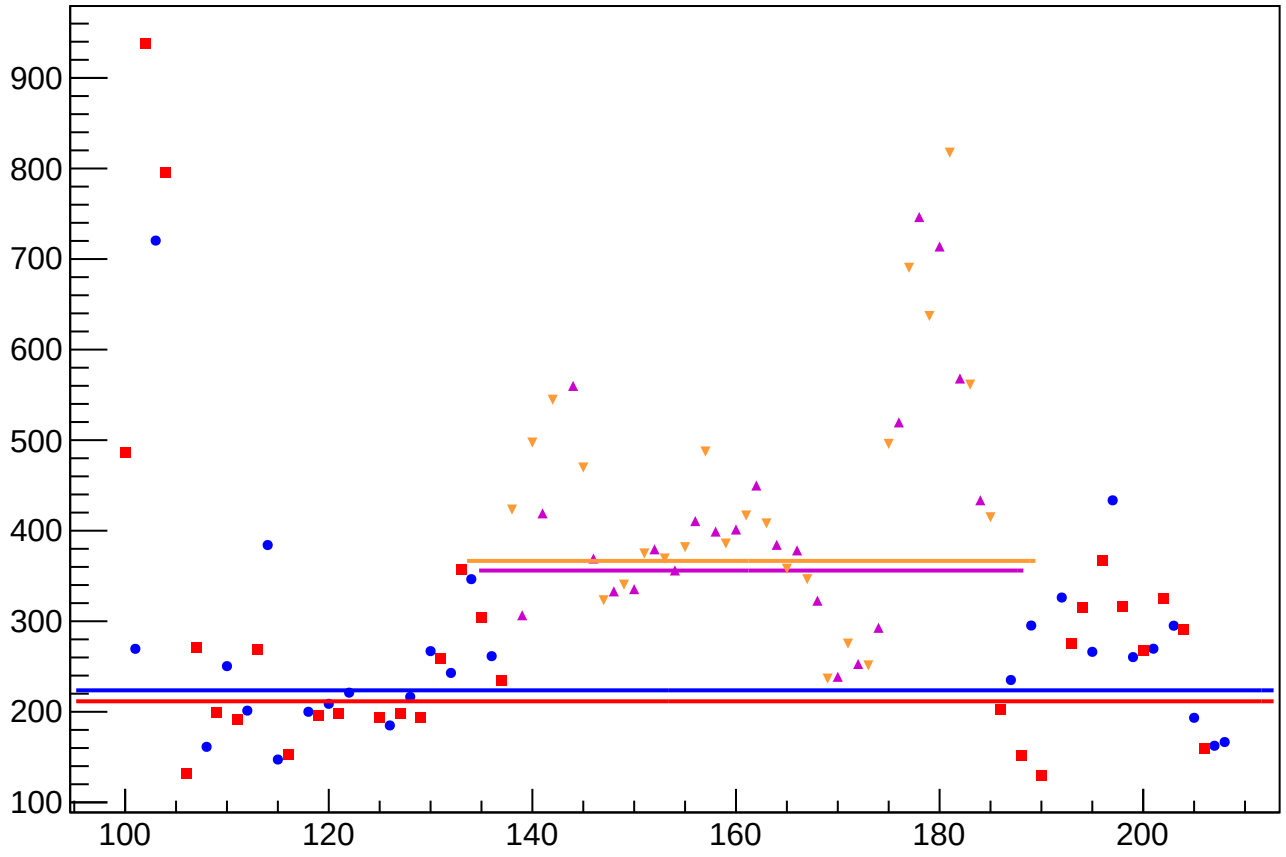
Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 15252303.2/50

All: 0.010+/-0.000 χ^2/NDF: 28063910.7/102

- sign 0.010+/-0.000 χ^2/NDF: 12801148.1/51


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: 0.021+/-0.061 χ²/NDF: 30.4/26
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.016+/-0.059 χ²/NDF: 38.0/28
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign 0.001+/-0.050 χ²/NDF: 61.7/50
All: 0.019+/-0.035 χ²/NDF: 130.6/102
- sign 0.036+/-0.049 χ²/NDF: 68.7/51



Right In: 223.703+/-0.043 χ^2/NDF: 2262533.7/26

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

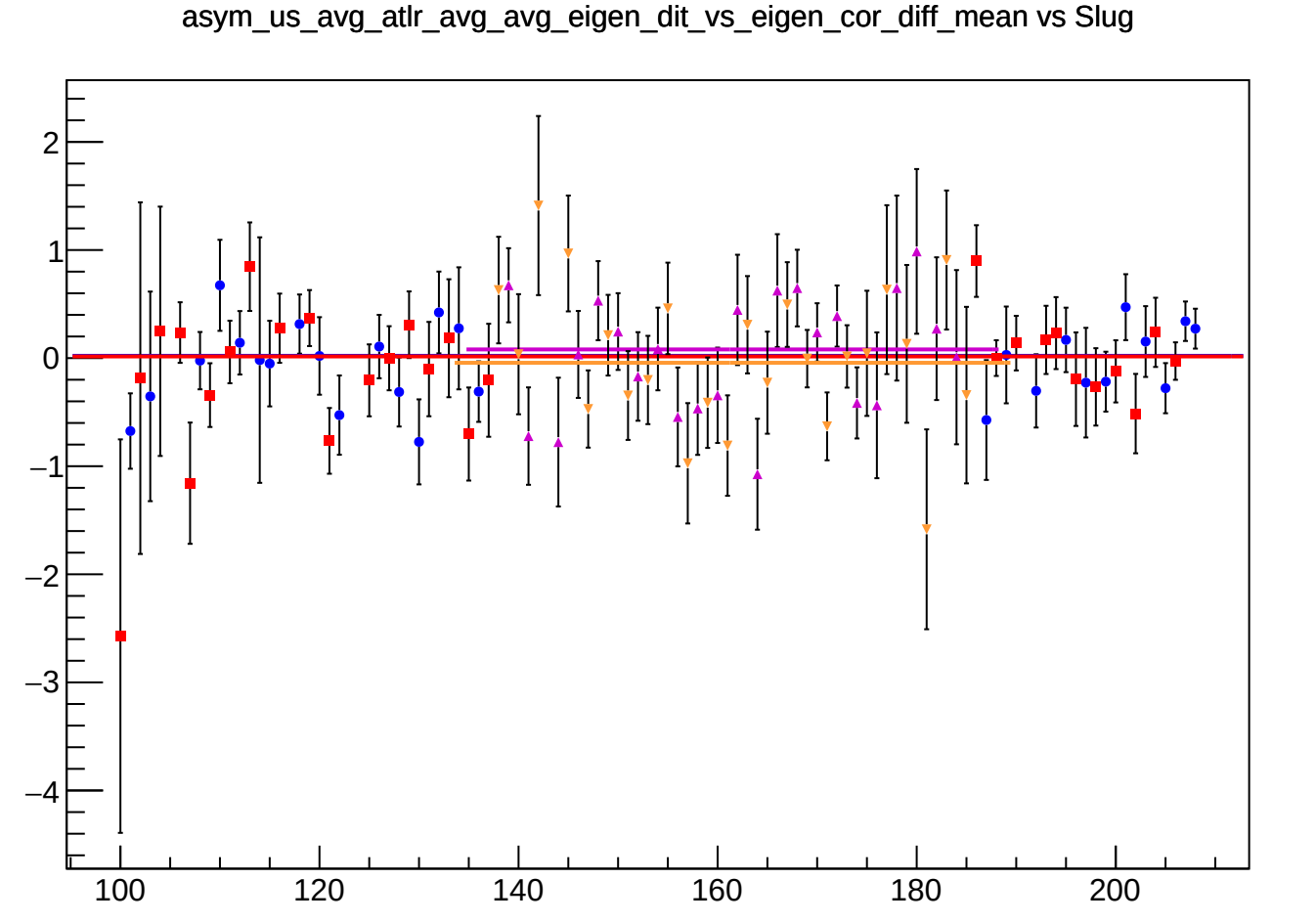
Right Out: 211.608+/-0.042 χ^2/NDF: 3302531.3/28

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 268.212+/-0.036 χ^2/NDF: 8544493.0/50

All: 262.213+/-0.025 χ^2/NDF: 18050047.5/10

- sign 256.564+/-0.035 χ^2/NDF: 9450692.1/51



Right In: 0.021+/-0.061 χ^2/NDF: 30.4/26

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

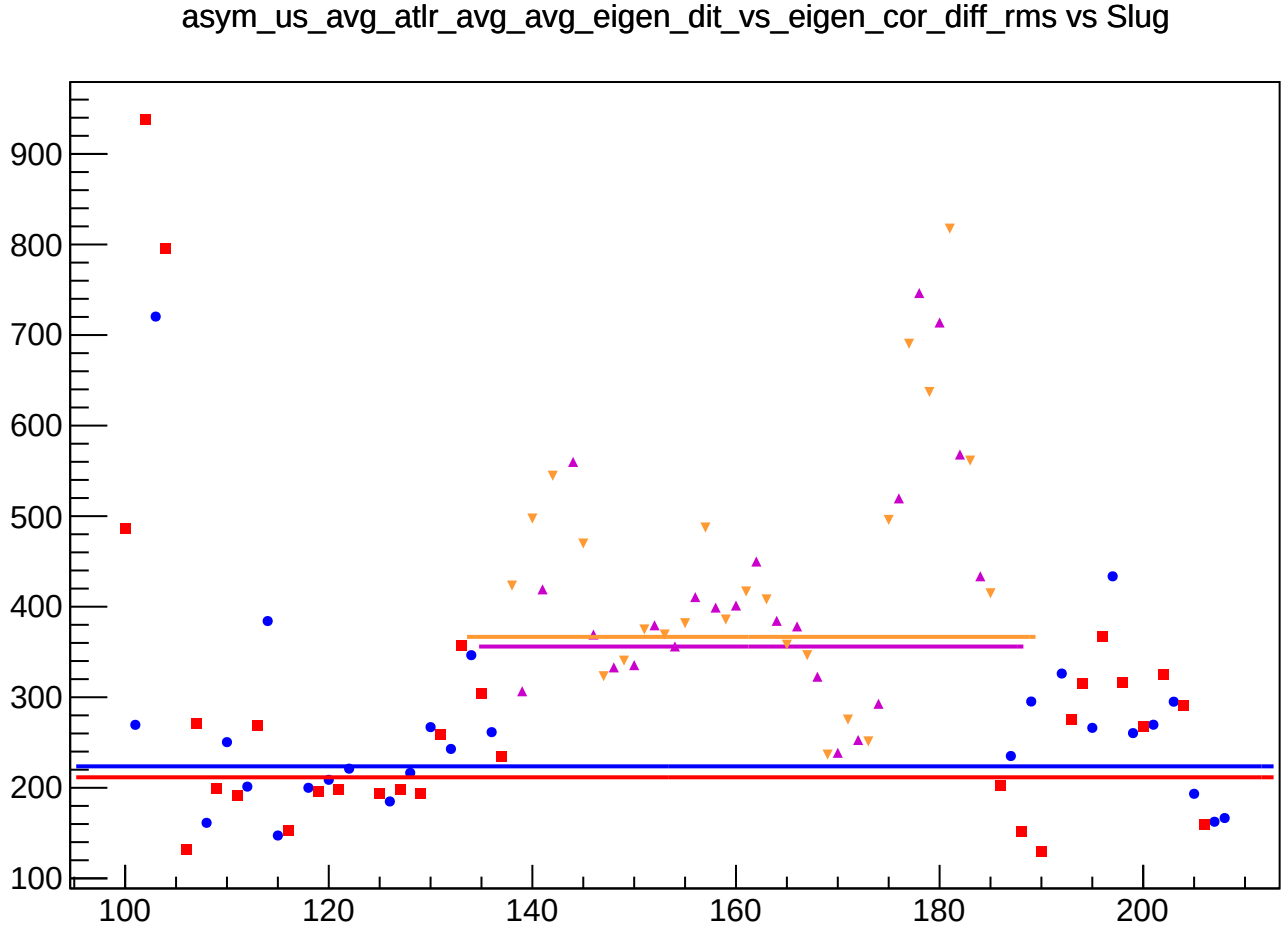
Right Out: 0.016+/-0.059 χ^2/NDF: 38.0/28

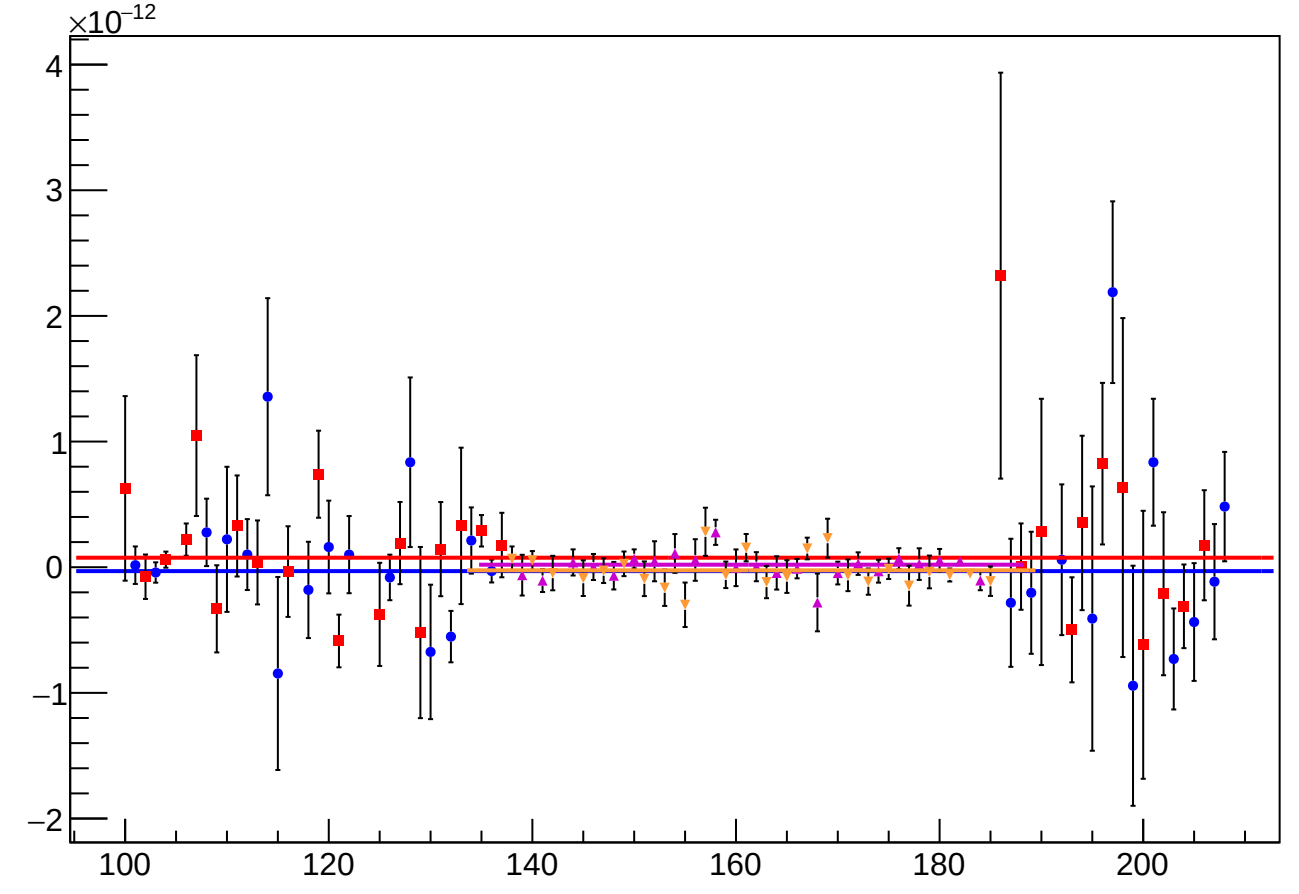
Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign 0.001+/-0.050 χ^2/NDF: 61.7/50

All: 0.019+/-0.035 χ^2/NDF: 130.6/102

- sign 0.036+/-0.049 χ^2/NDF: 68.7/51


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
100
120
140
160
180
200
Right In: 223.703+/-0.043 χ²/NDF: 2262533.7/26
Left Out: 366.671+/-0.064 χ²/NDF:2841292.6/23
Right Out: 211.608+/-0.042 χ²/NDF: 3302531.3/28
Left In: 355.993+/-0.062 χ²/NDF:2420863.3/22
+ sign 268.212+/-0.036 χ²/NDF: 8544493.0/50
All: 262.213+/-0.025 χ²/NDF: 18050047.5/10
- sign 256.564+/-0.035 χ²/NDF: 9450692.1/51



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

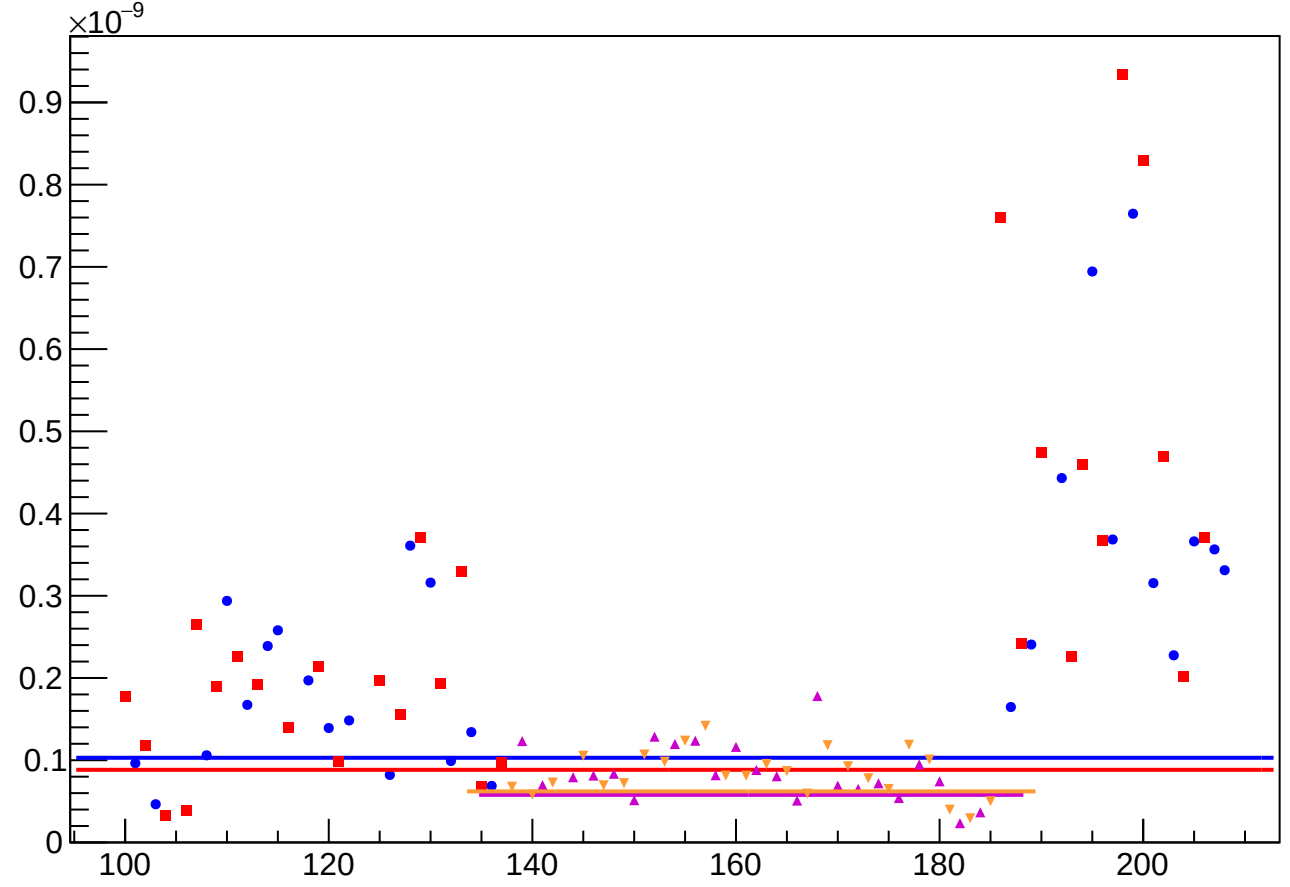
Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/28

Left In: 0.000+/-0.000 χ^2/NDF:17.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.1/50

All: 0.000+/-0.000 χ^2/NDF: 115.2/102

- sign 0.000+/-0.000 χ^2/NDF: 52.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 7605754.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9715525.8/28

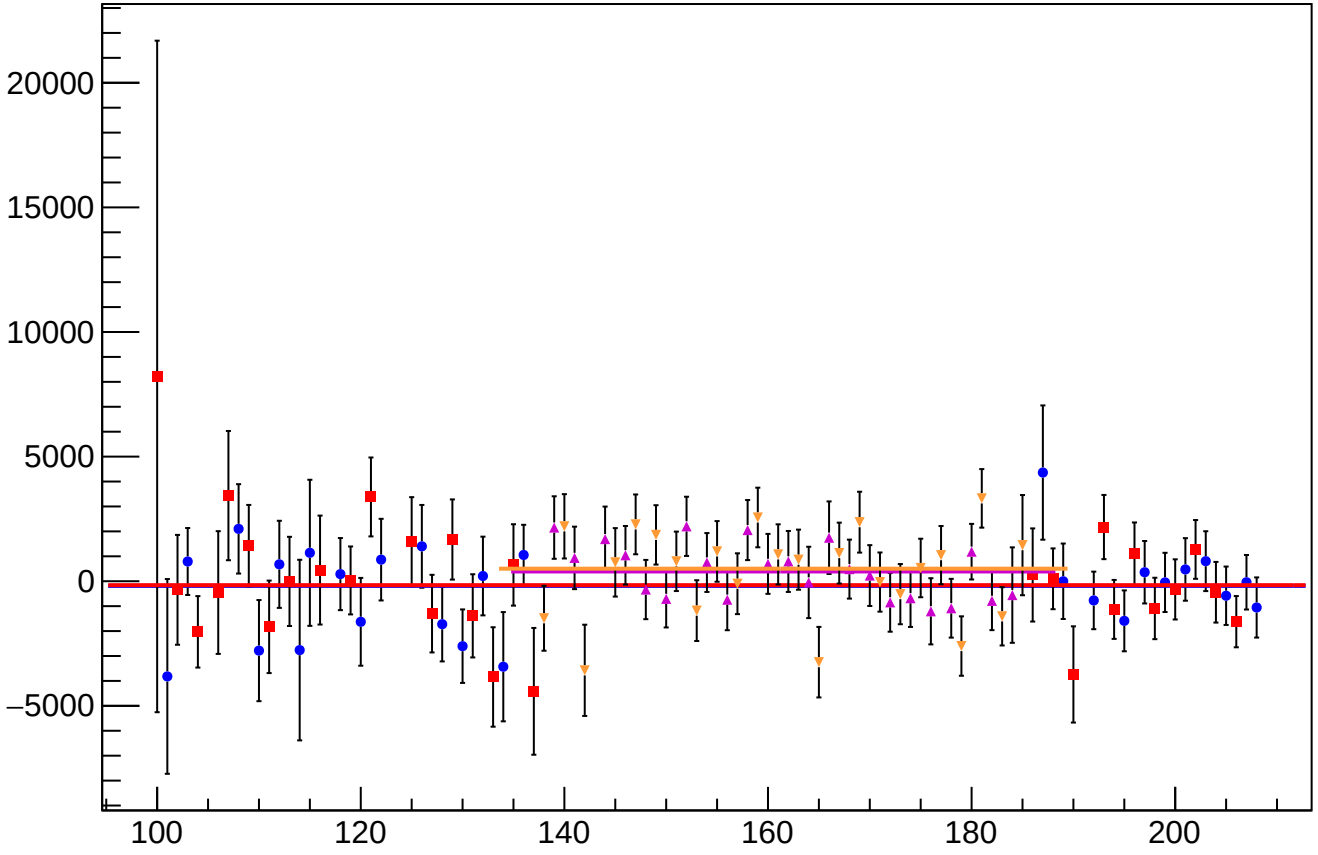
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13092156.2/50

All: 0.000+/-0.000 χ^2/NDF: 29290220.0/102

- sign 0.000+/-0.000 χ^2/NDF: 16087155.3/51

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -186.340+/-284.569 χ^2/NDF: 21.0/26

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -158.894+/-285.767 χ^2/NDF: 33.3/28

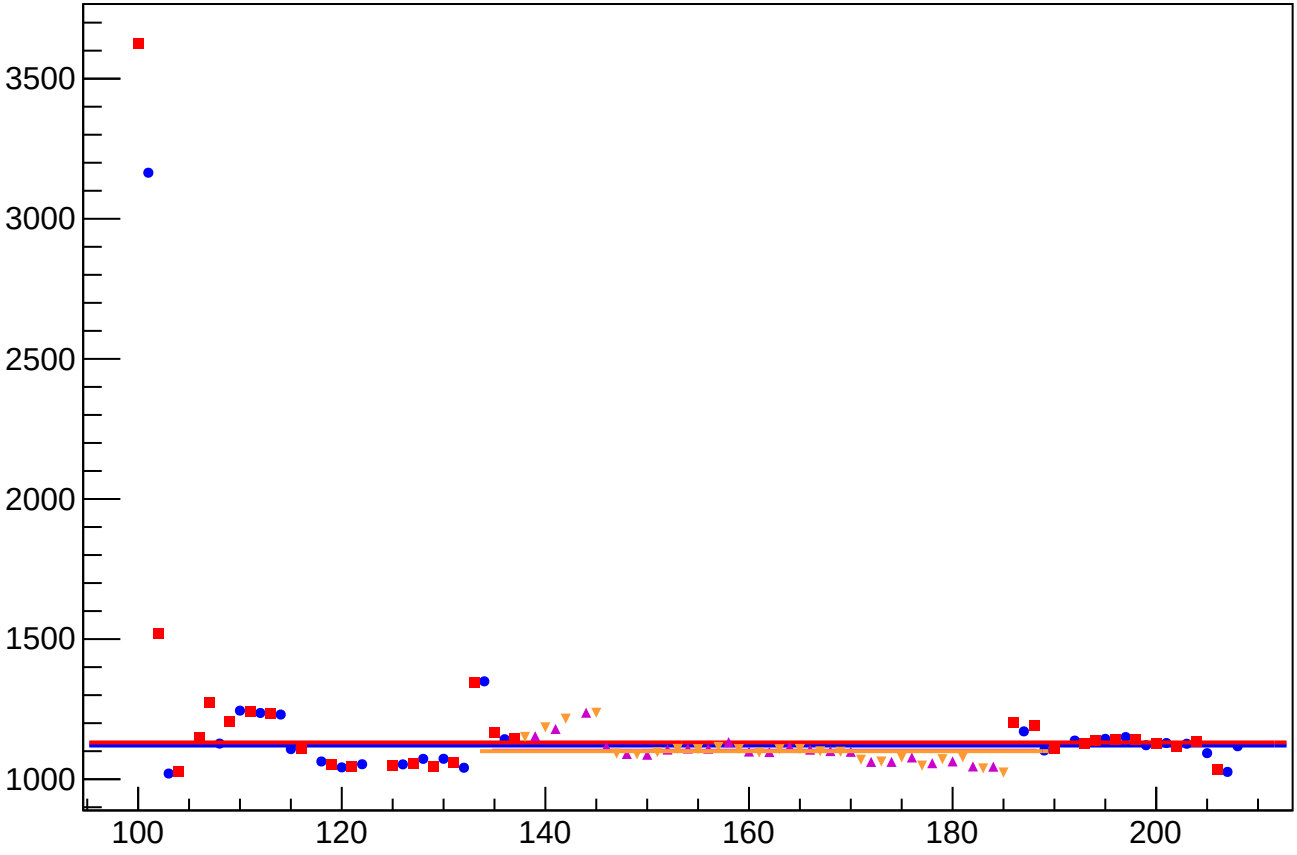
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 195.621+/-190.128 χ^2/NDF: 68.8/50

All: 170.506+/-134.835 χ^2/NDF: 122.1/102

- sign 145.095+/-191.248 χ^2/NDF: 53.2/51

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1120.256+/-0.201 χ^2/NDF: 641450.0/26

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

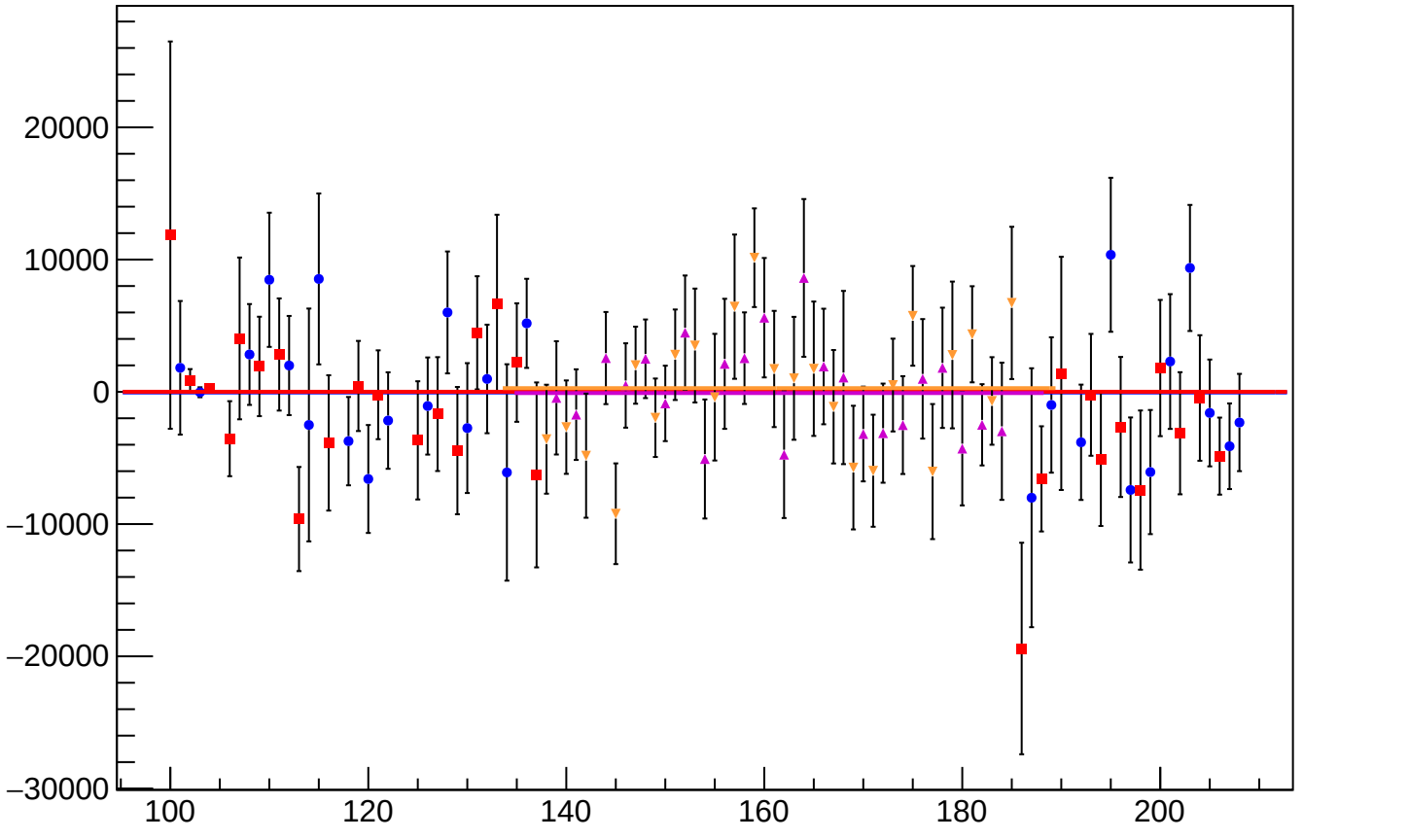
Right Out: 1131.138+/-0.202 χ^2/NDF: 247318.9/28

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1109.077+/-0.134 χ^2/NDF: 705759.1/50

All: 1111.924+/-0.095 χ^2/NDF: 1017989.6/10

- sign 1114.803+/-0.135 χ^2/NDF: 311328.8/51



Right In: -48.091+/-346.268 χ^2/NDF: 29.2/26

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

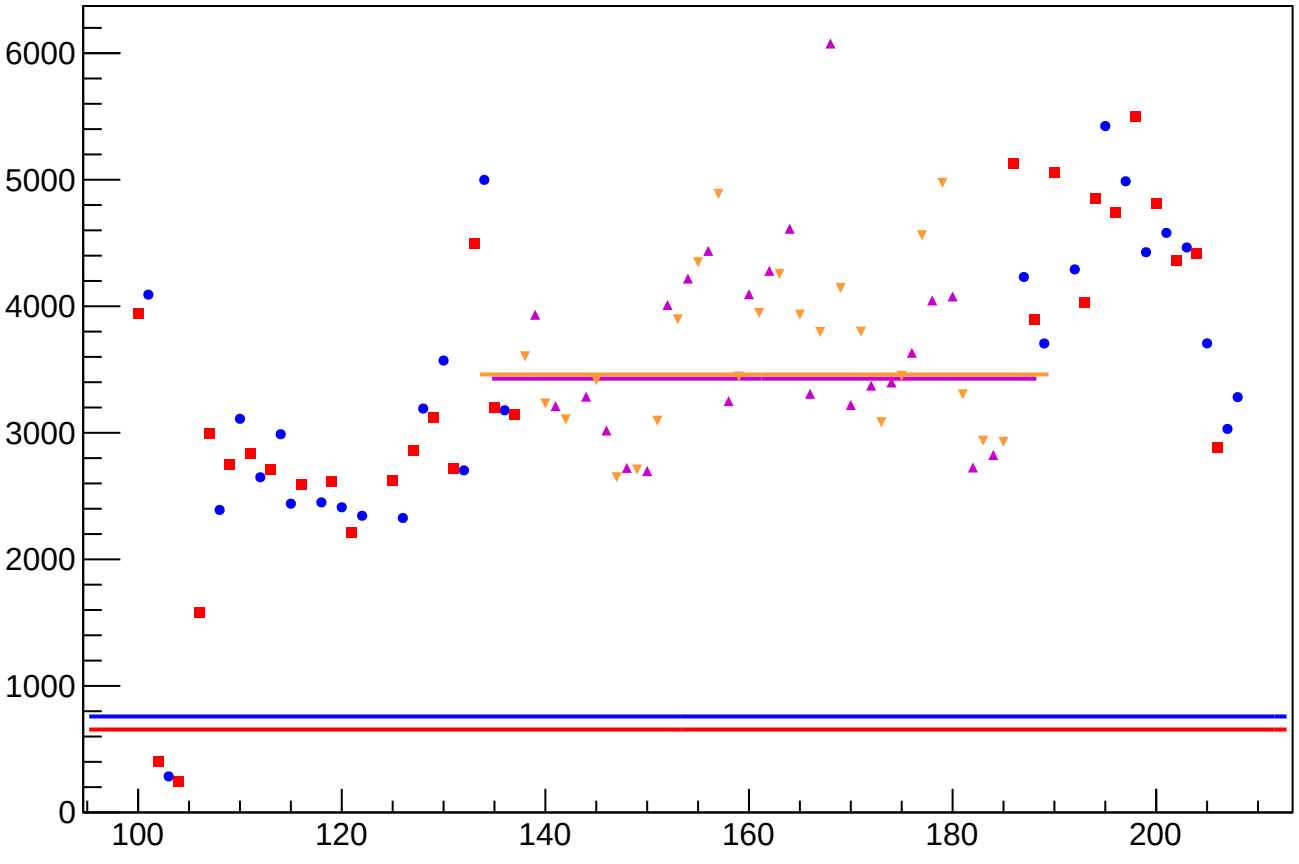
Right Out: 5.457+/-314.659 χ^2/NDF: 30.8/28

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 1.132+/-319.022 χ^2/NDF: 59.2/50

All: -3.530+/-216.053 χ^2/NDF: 103.7/102

- sign -7.479+/-293.644 χ^2/NDF: 44.5/51



Right In: 758.427+/-0.245 χ^2/NDF: 21650205.1/26

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 655.380+/-0.222 χ^2/NDF: 22178758.1/28

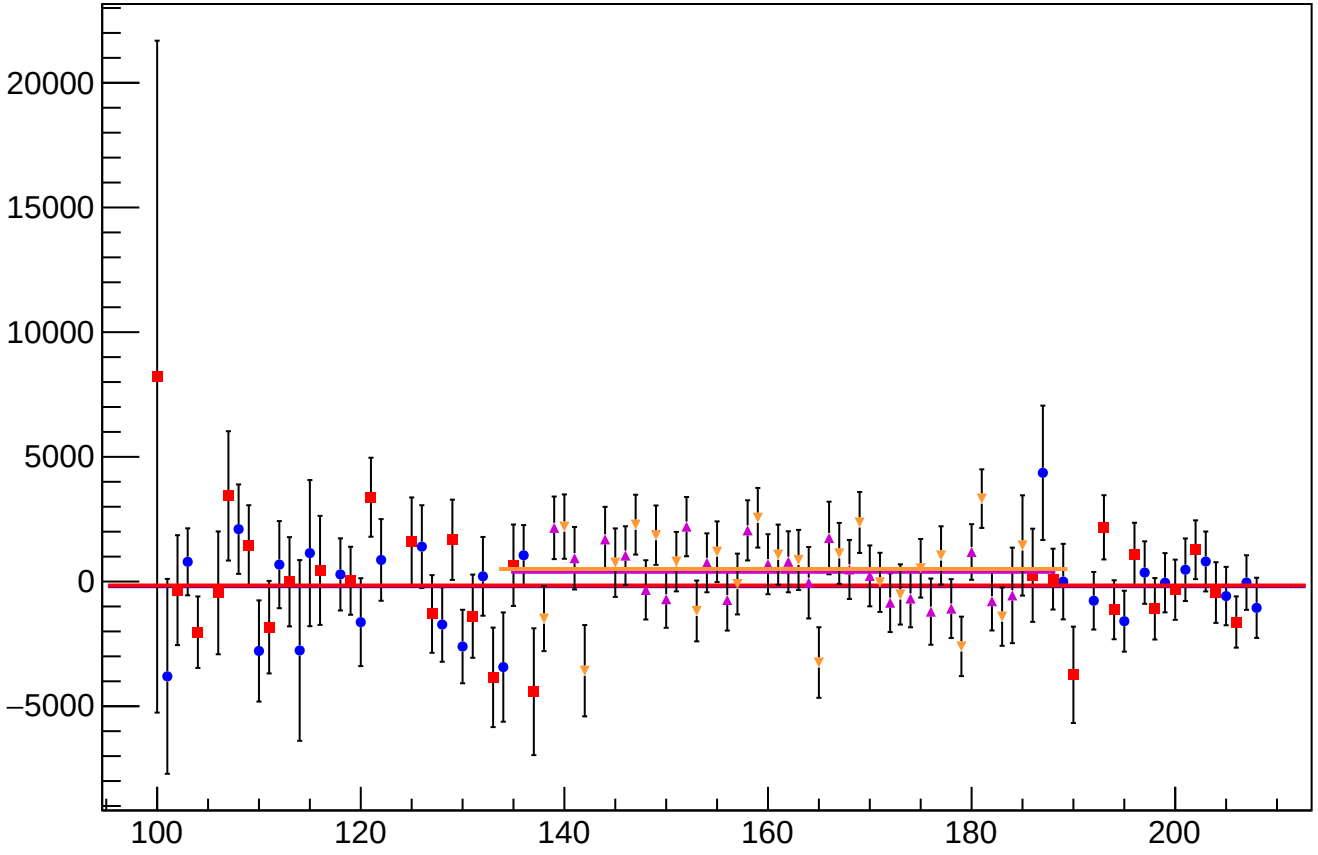
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1167.031+/-0.226 χ^2/NDF: 41130480.9/50

All: 1083.828+/-0.153 χ^2/NDF: 84850653.6/1

- sign 1013.336+/-0.208 χ^2/NDF: 43468873.8/51

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -186.307+/-284.569 χ^2/NDF: 21.0/26

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -158.935+/-285.767 χ^2/NDF: 33.3/28

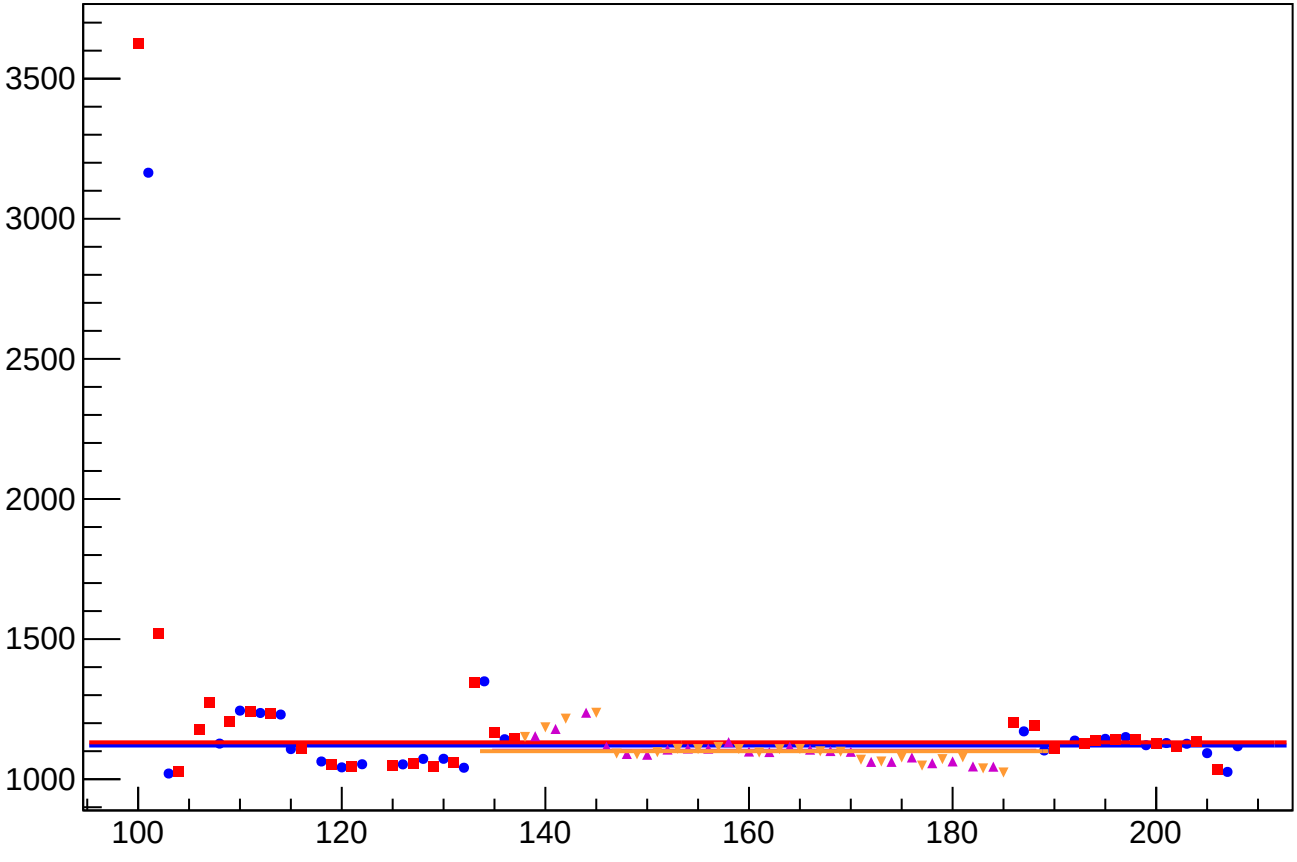
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 195.676+/-190.128 χ^2/NDF: 68.8/50

All: 170.522+/-134.835 χ^2/NDF: 122.1/102

- sign 145.070+/-191.248 χ^2/NDF: 53.2/51

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1120.256+/-0.201 χ^2/NDF: 641451.1/26

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

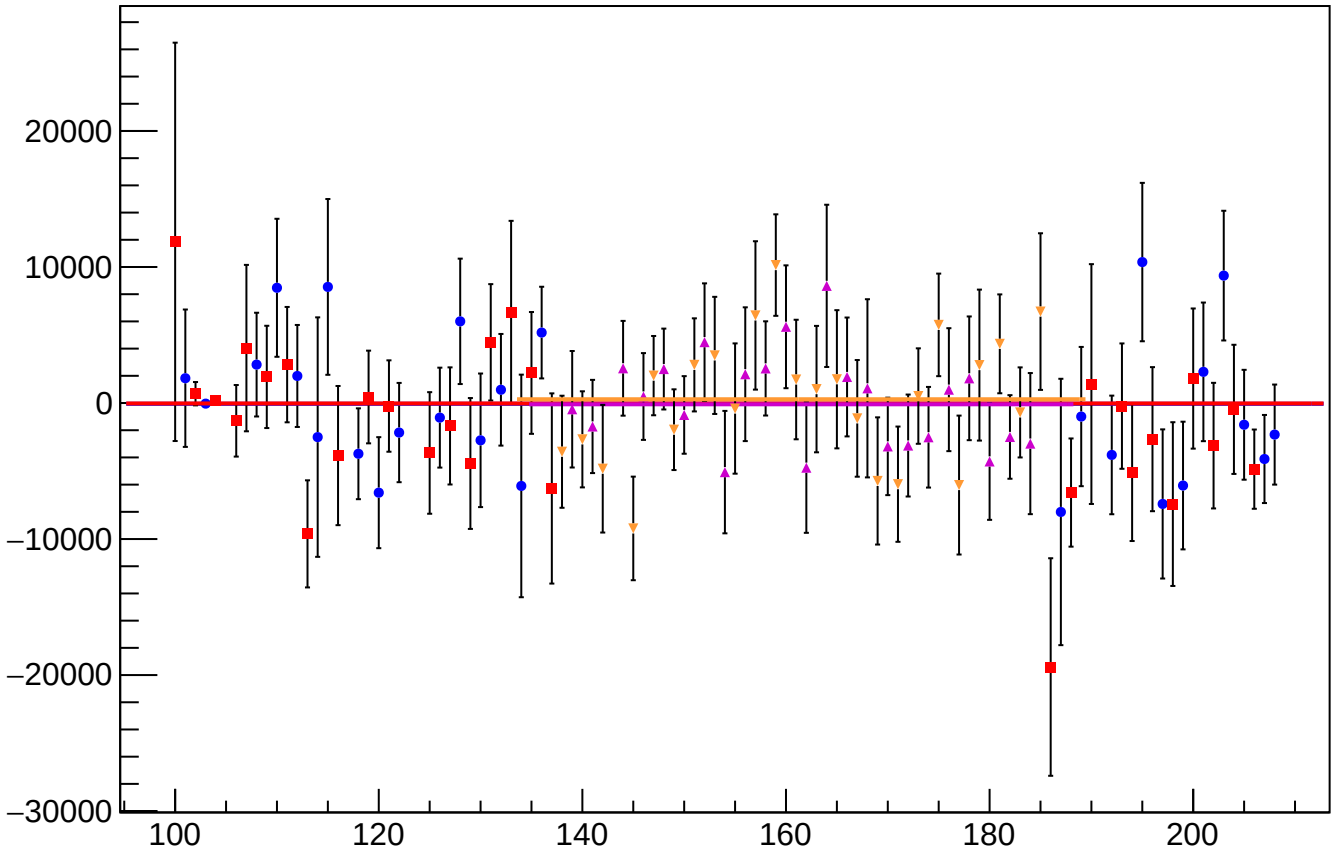
Right Out: 1131.553+/-0.202 χ^2/NDF: 247984.0/28

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1109.077+/-0.134 χ^2/NDF: 705760.1/50

All: 1112.012+/-0.095 χ^2/NDF: 1019040.3/10

- sign 1114.980+/-0.135 χ^2/NDF: 312321.7/51



Right In: -57.916+/-334.315 χ^2/NDF: 29.2/26

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

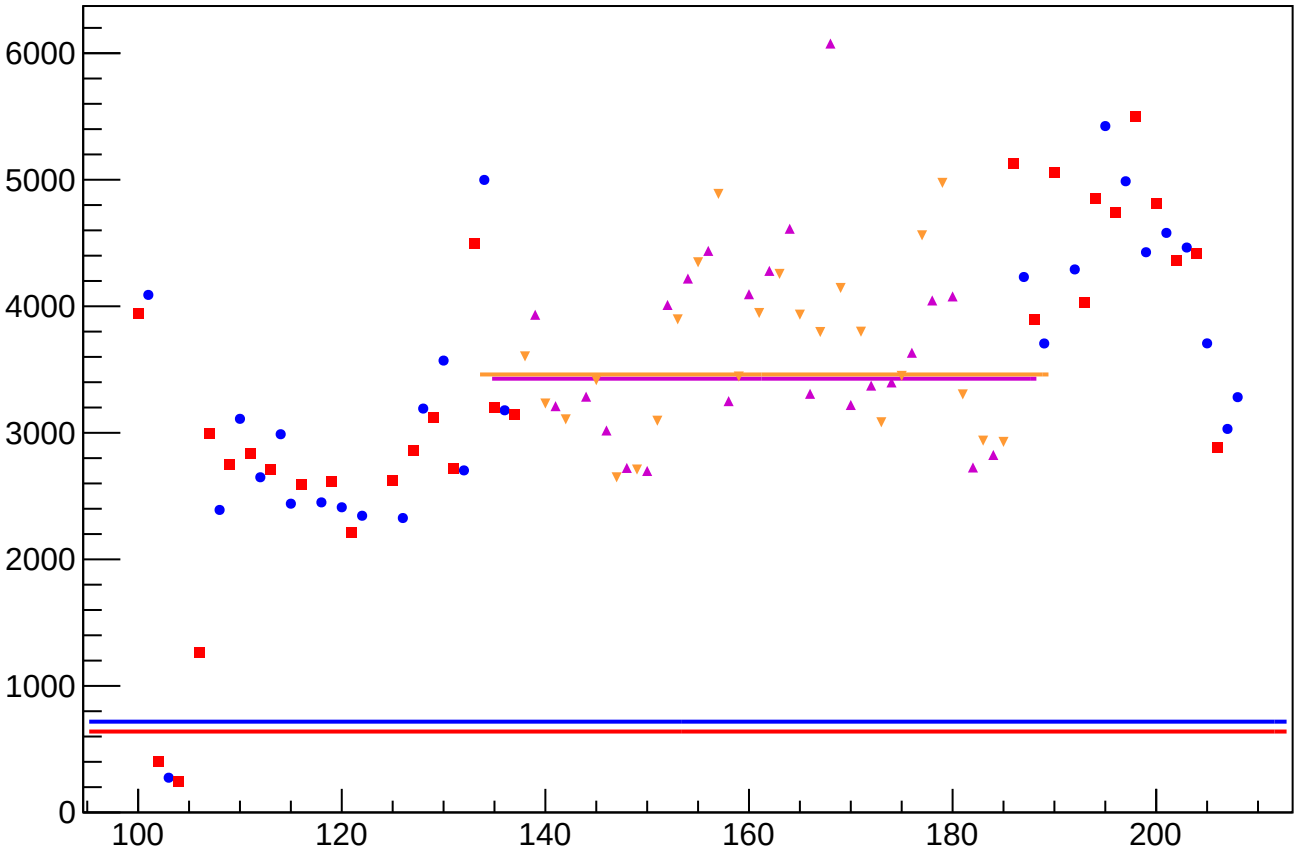
Right Out: -31.870+/-309.846 χ^2/NDF: 29.0/28

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

\+ sign -10.155+/-309.602 χ^2/NDF: 59.2/50

All: -25.945+/-211.543 χ^2/NDF: 101.9/102

\- sign -39.772+/-289.721 χ^2/NDF: 42.7/51



Right In: 717.500+/-0.236 χ^2/NDF: 22043115.7/26

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 639.365+/-0.219 χ^2/NDF: 22197050.4/28

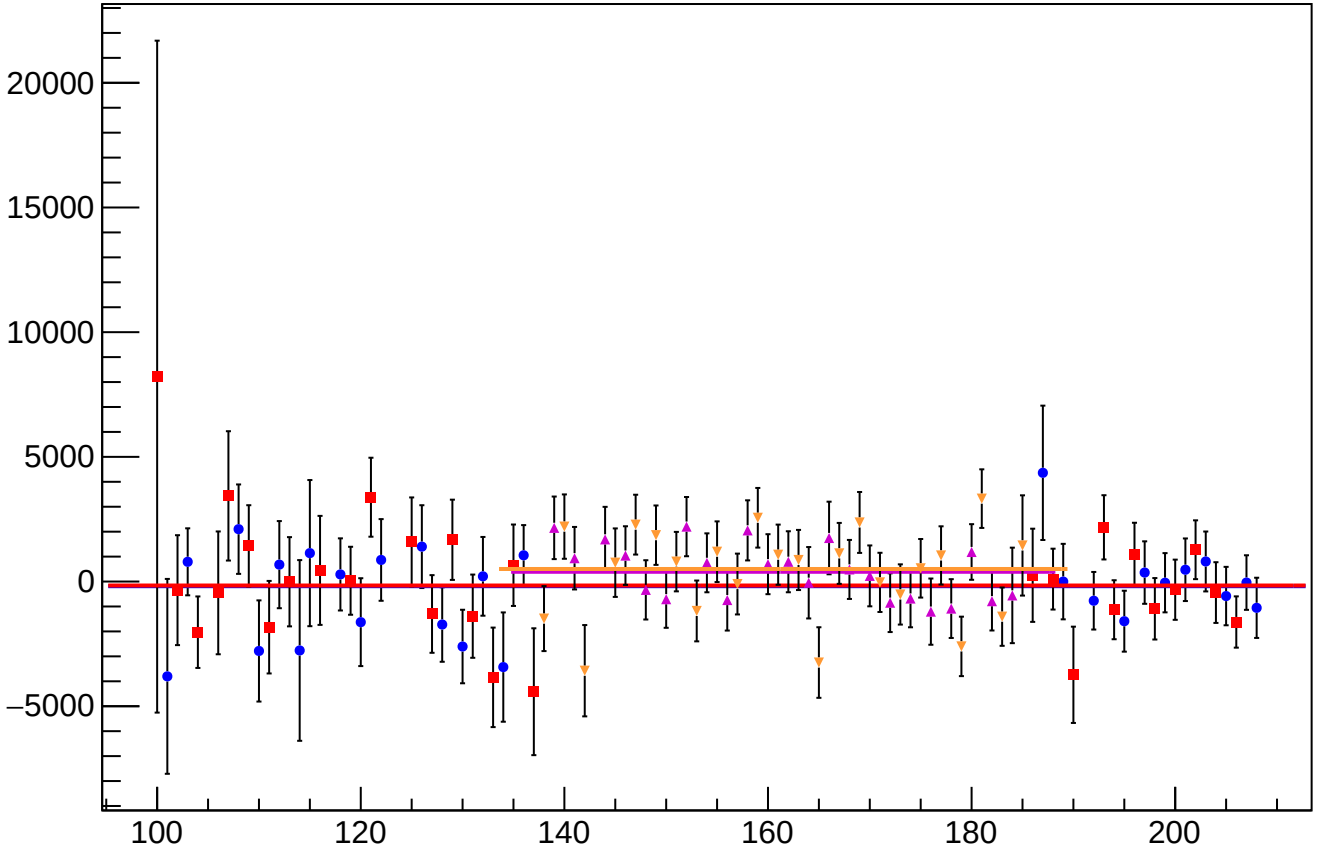
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1108.156+/-0.219 χ^2/NDF: 42282249.0/50

All: 1045.074+/-0.150 χ^2/NDF: 86237212.7/1

- sign 989.833+/-0.205 χ^2/NDF: 43799223.6/51

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -186.307+/-284.569 χ^2/NDF: 21.0/26

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -158.935+/-285.767 χ^2/NDF: 33.3/28

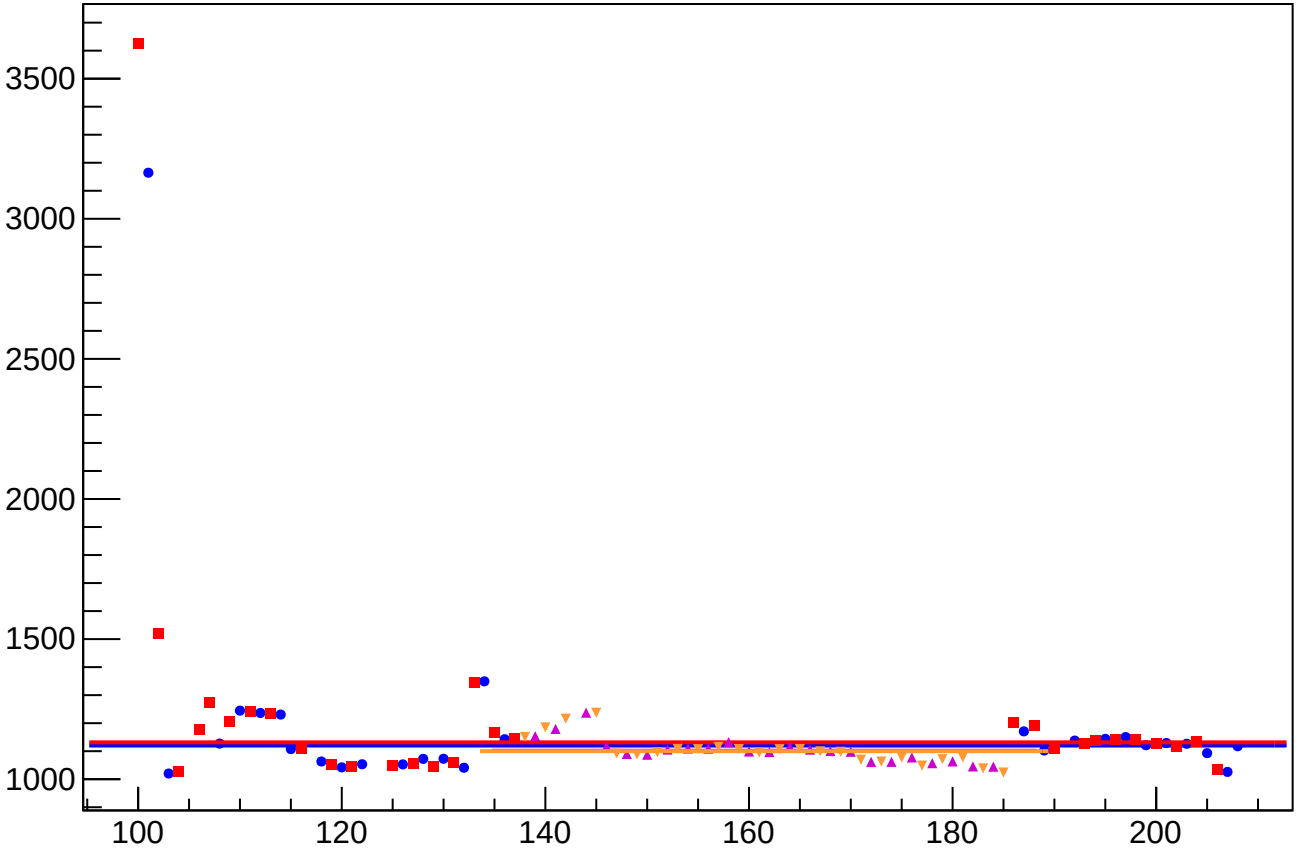
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 195.676+/-190.128 χ^2/NDF: 68.8/50

All: 170.522+/-134.835 χ^2/NDF: 122.1/102

- sign 145.070+/-191.248 χ^2/NDF: 53.2/51

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1120.256+/-0.201 χ^2/NDF: 641451.1/26

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

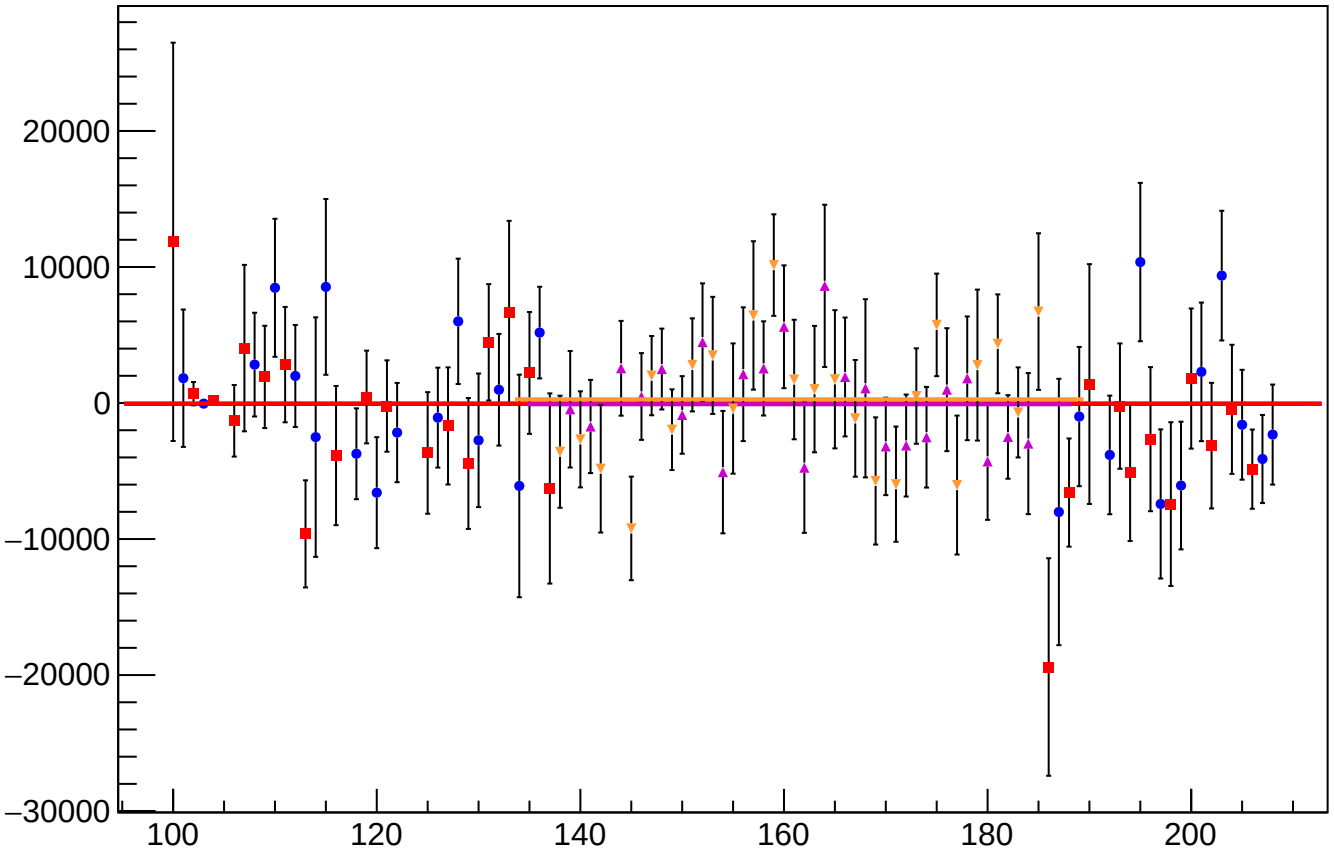
Right Out: 1131.553+/-0.202 χ^2/NDF: 247984.0/28

Left In: 1101.530+/-0.182 χ^2/NDF:52149.9/22

+ sign 1109.077+/-0.134 χ^2/NDF: 705760.1/50

All: 1112.012+/-0.095 χ^2/NDF: 1019040.3/10

- sign 1114.980+/-0.135 χ^2/NDF: 312321.7/51



Right In: -57.916+/-334.315 χ^2/NDF: 29.2/26

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

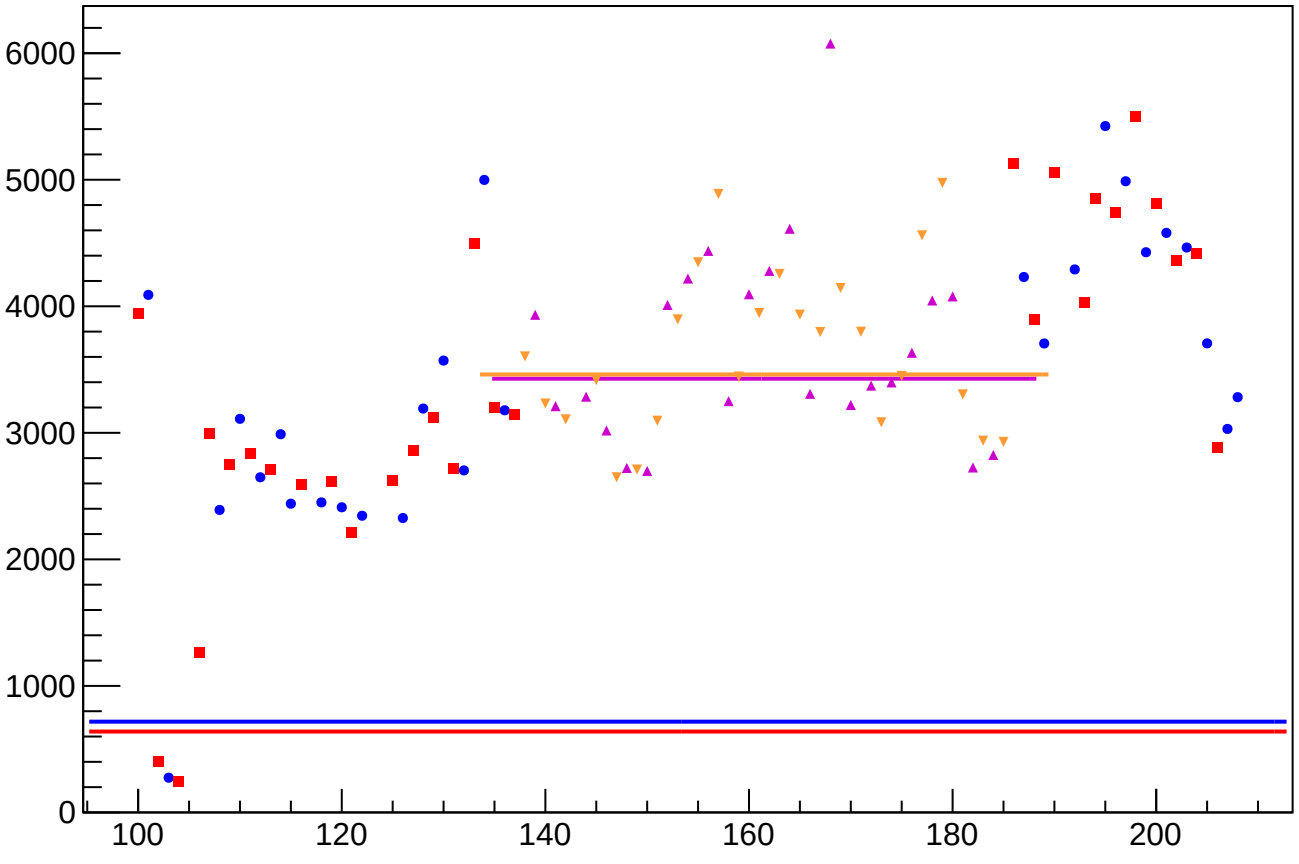
Right Out: -31.870+/-309.846 χ^2/NDF: 29.0/28

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign -10.155+/-309.602 χ^2/NDF: 59.2/50

All: -25.945+/-211.543 χ^2/NDF: 101.9/102

- sign -39.772+/-289.721 χ^2/NDF: 42.7/51



Right In: 717.500+/-0.236 χ^2/NDF: 22043115.7/26

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 639.365+/-0.219 χ^2/NDF: 22197050.4/28

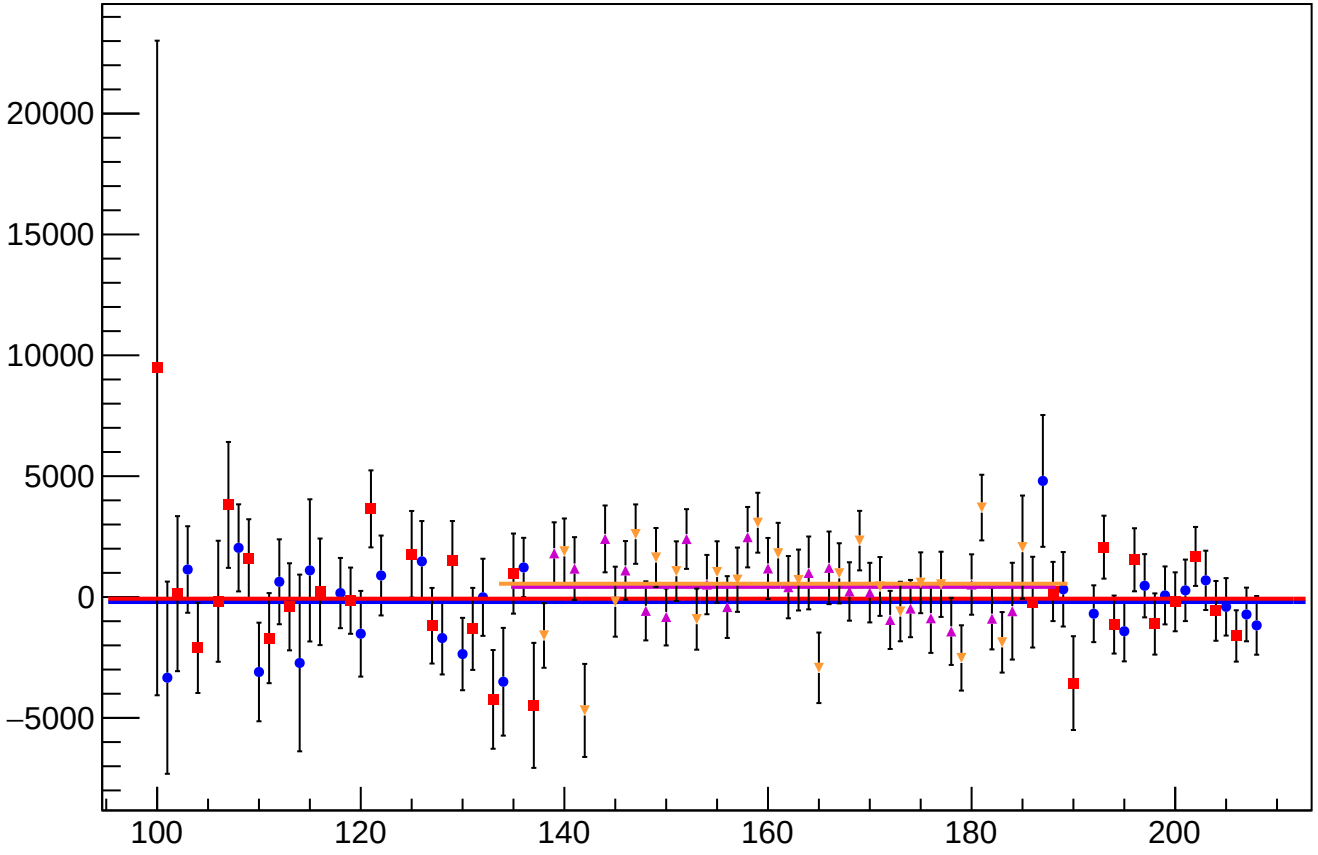
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1108.156+/-0.219 χ^2/NDF: 42282249.0/50

All: 1045.074+/-0.150 χ^2/NDF: 86237212.7/1

- sign 989.833+/-0.205 χ^2/NDF: 43799223.6/51

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -206.499+/-291.280 χ^2/NDF: 20.8/26

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -68.515+/-293.651 χ^2/NDF: 35.0/28

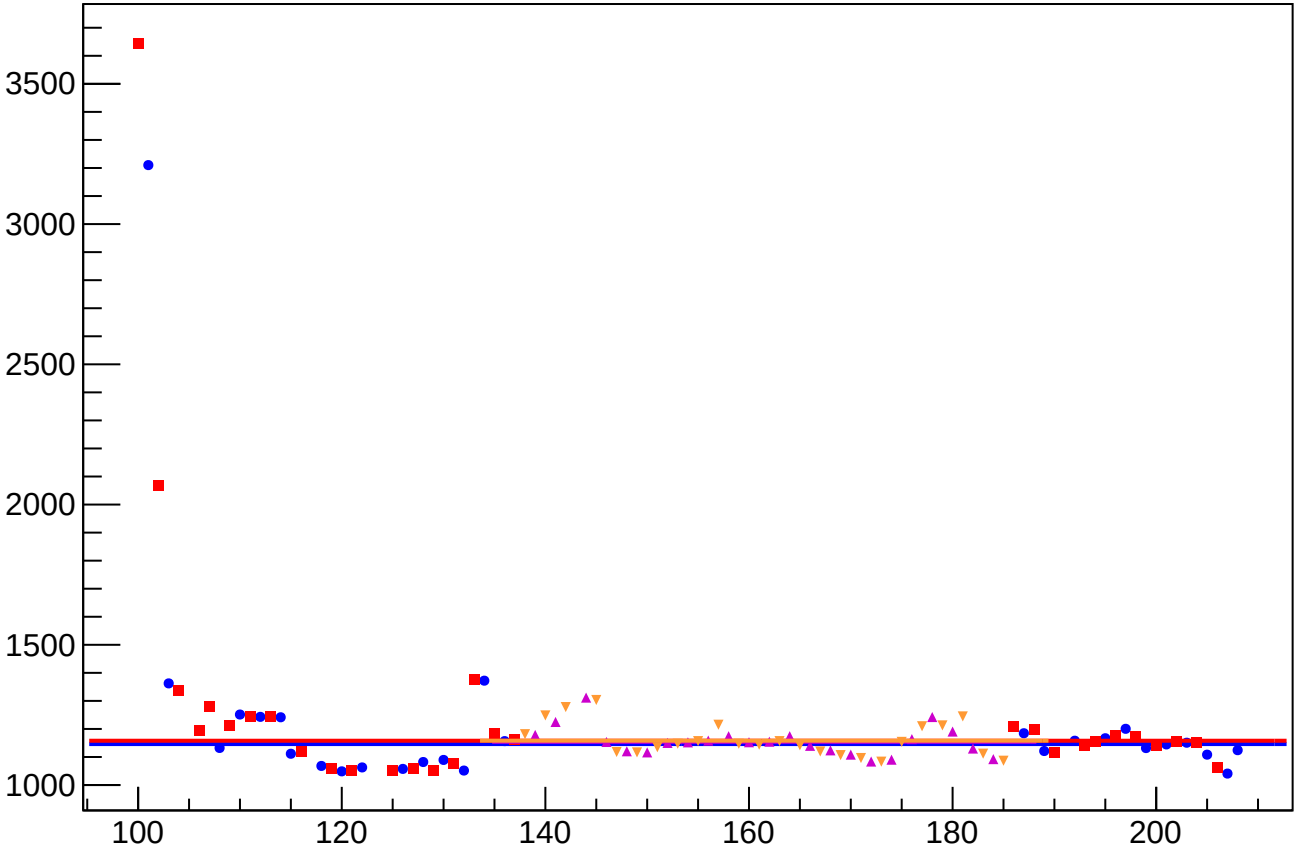
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 201.854+/-197.701 χ^2/NDF: 69.7/50

All: 199.402+/-140.141 χ^2/NDF: 124.2/102

- sign 196.926+/-198.681 χ^2/NDF: 54.5/51

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1146.075+/-0.206 χ^2/NDF: 664296.0/26

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1157.988+/-0.208 χ^2/NDF: 355673.8/28

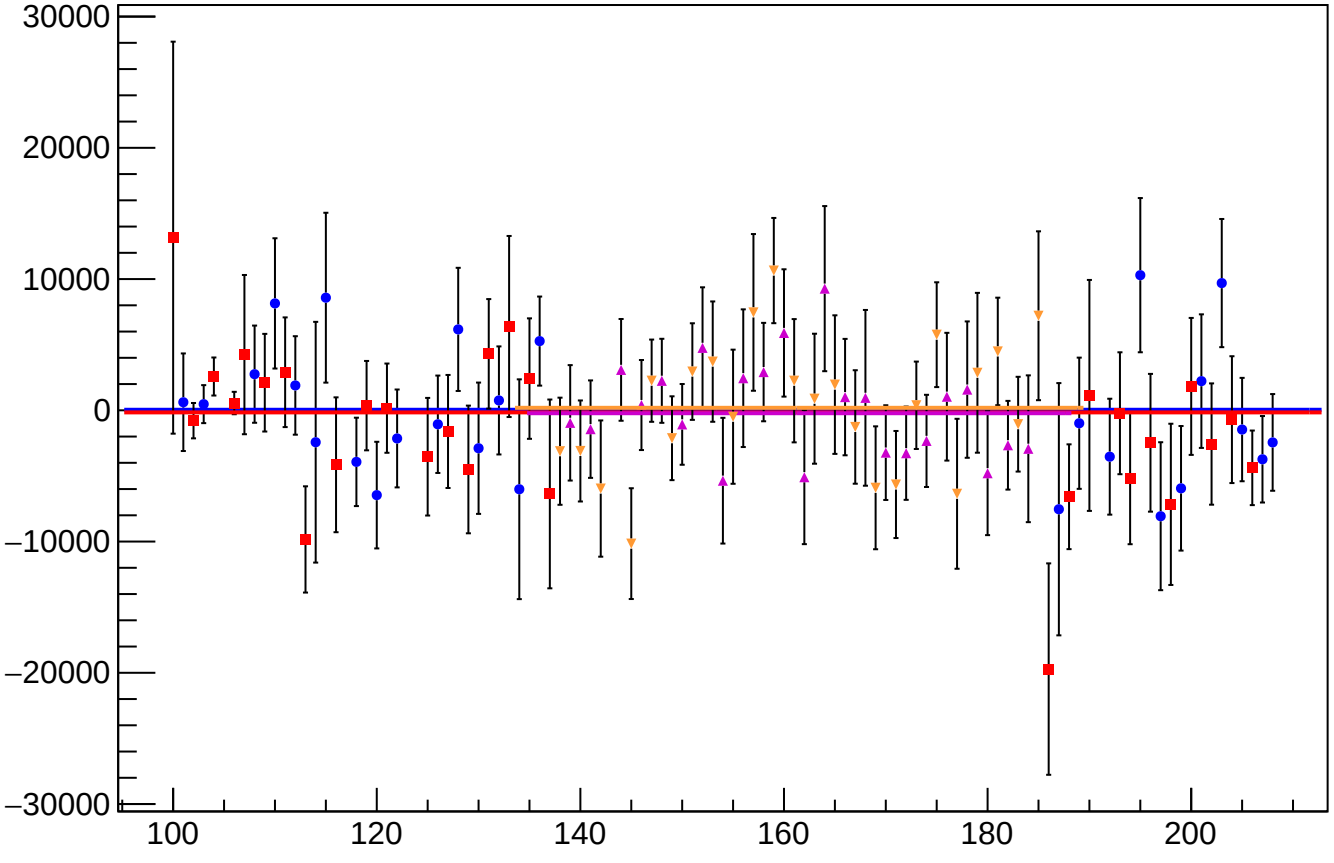
Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

\+ sign 1152.602+/-0.140 χ^2/NDF: 750269.8/50

All: 1154.268+/-0.099 χ^2/NDF: 1172883.8/10

\- sign 1155.951+/-0.140 χ^2/NDF: 422328.4/51

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug



Right In: 41.138+/-739.927 χ^2/NDF: 28.8/26

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

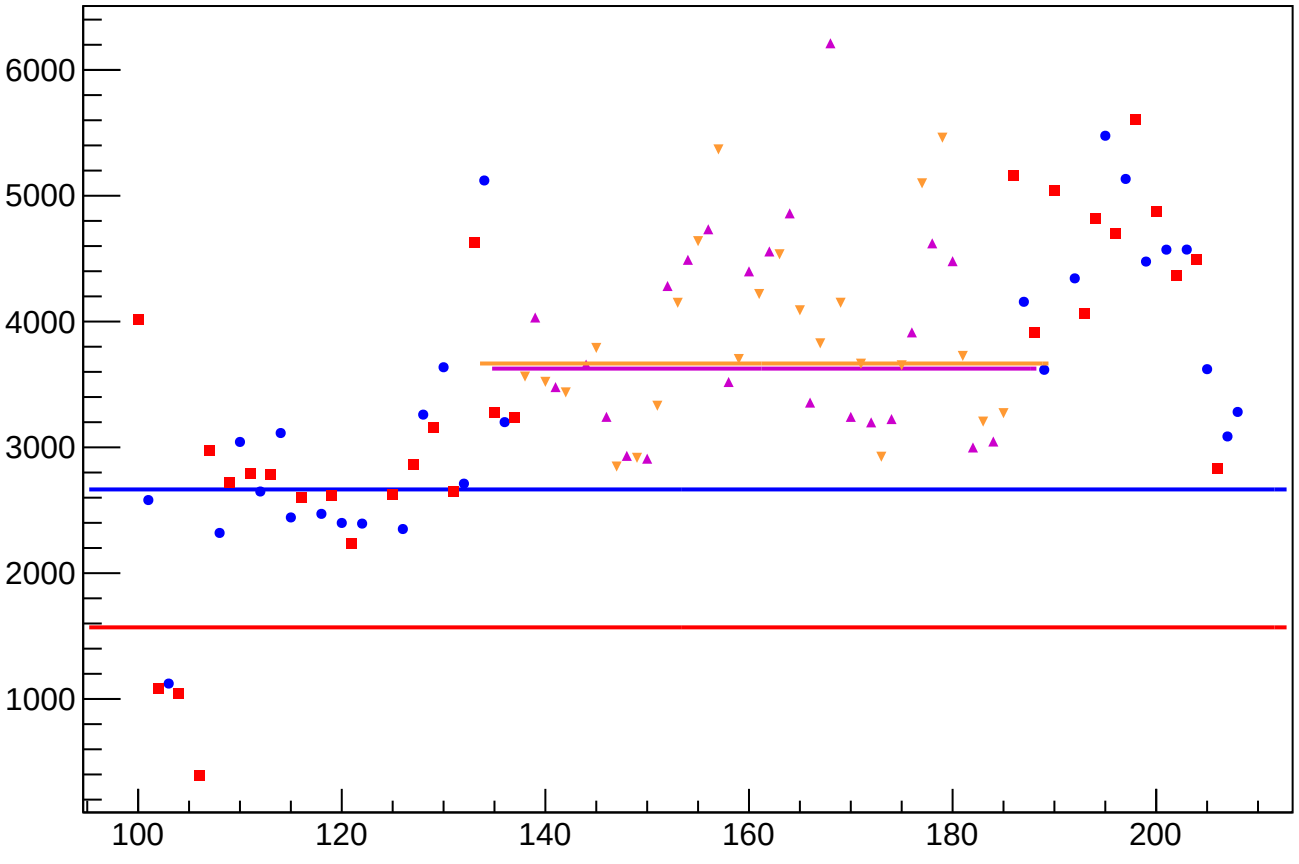
Right Out: -158.439+/-526.107 χ^2/NDF: 31.3/28

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 103.556+/-563.489 χ^2/NDF: 58.1/50

All: -66.953+/-351.376 χ^2/NDF: 102.9/102

- sign -175.437+/-449.464 χ^2/NDF: 44.7/51



Right In: 2665.536+/-0.523 χ^2/NDF: 5013238.3/26

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

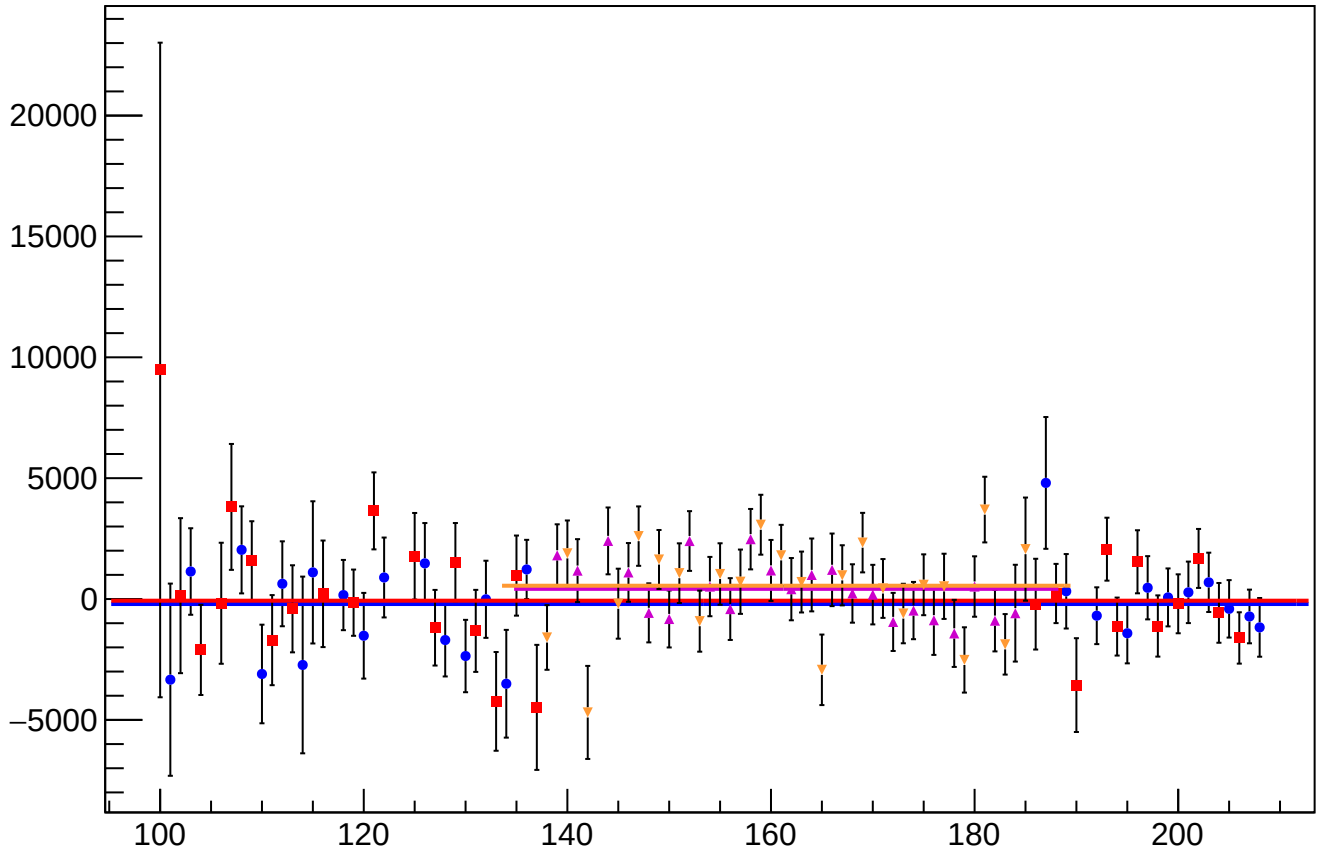
Right Out: 1569.259+/-0.372 χ^2/NDF: 13851257.2/28

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 3086.004+/-0.398 χ^2/NDF: 7646581.2/50

All: 2498.582+/-0.248 χ^2/NDF: 34568685.6/1

- sign 2124.843+/-0.318 χ^2/NDF: 23365745.6/51



Right In: -206.497+/-291.280 χ^2/NDF: 20.8/26

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: -68.514+/-293.651 χ^2/NDF: 35.0/28

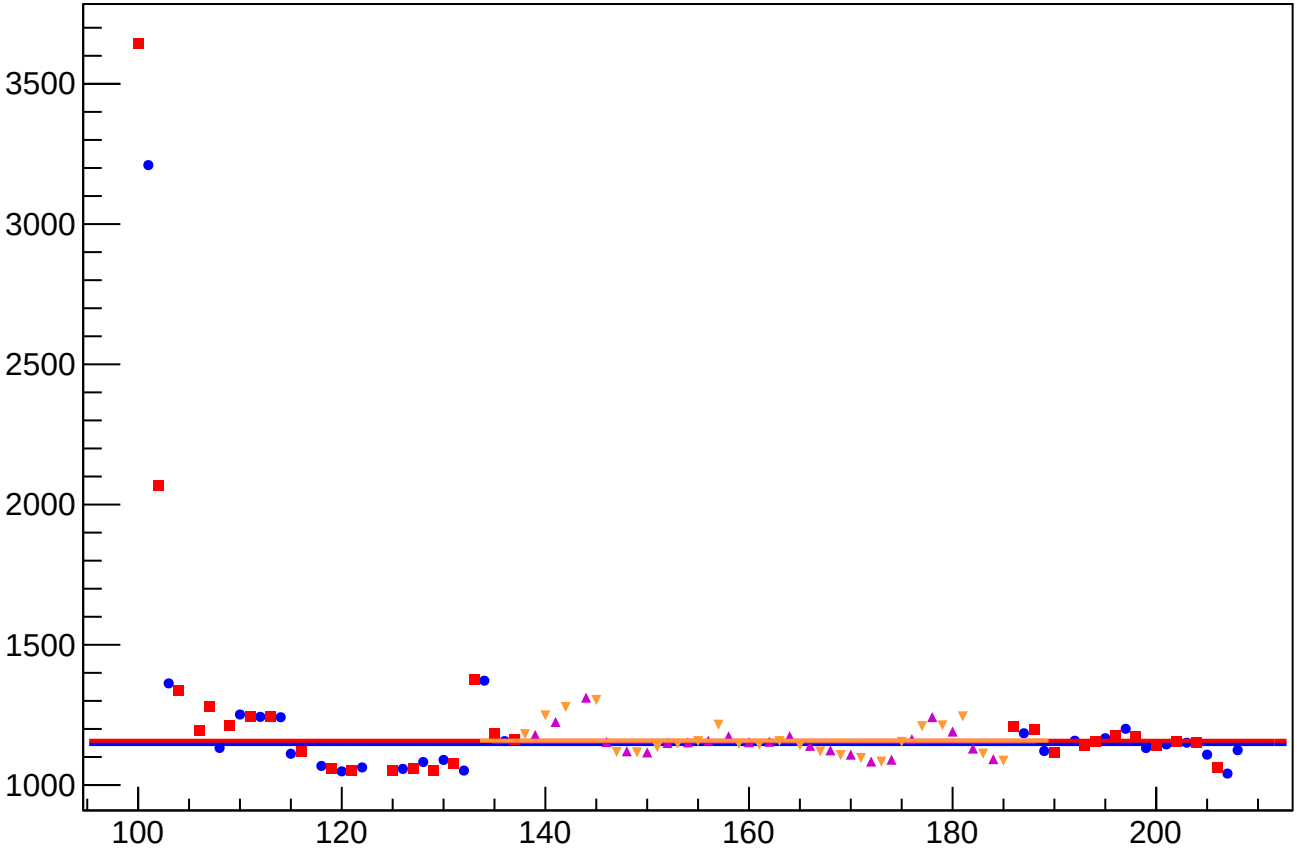
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 201.856+/-197.701 χ^2/NDF: 69.7/50

All: 199.403+/-140.141 χ^2/NDF: 124.2/102

- sign 196.925+/-198.681 χ^2/NDF: 54.5/51

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1146.075+/-0.206 χ^2/NDF: 664296.3/26

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

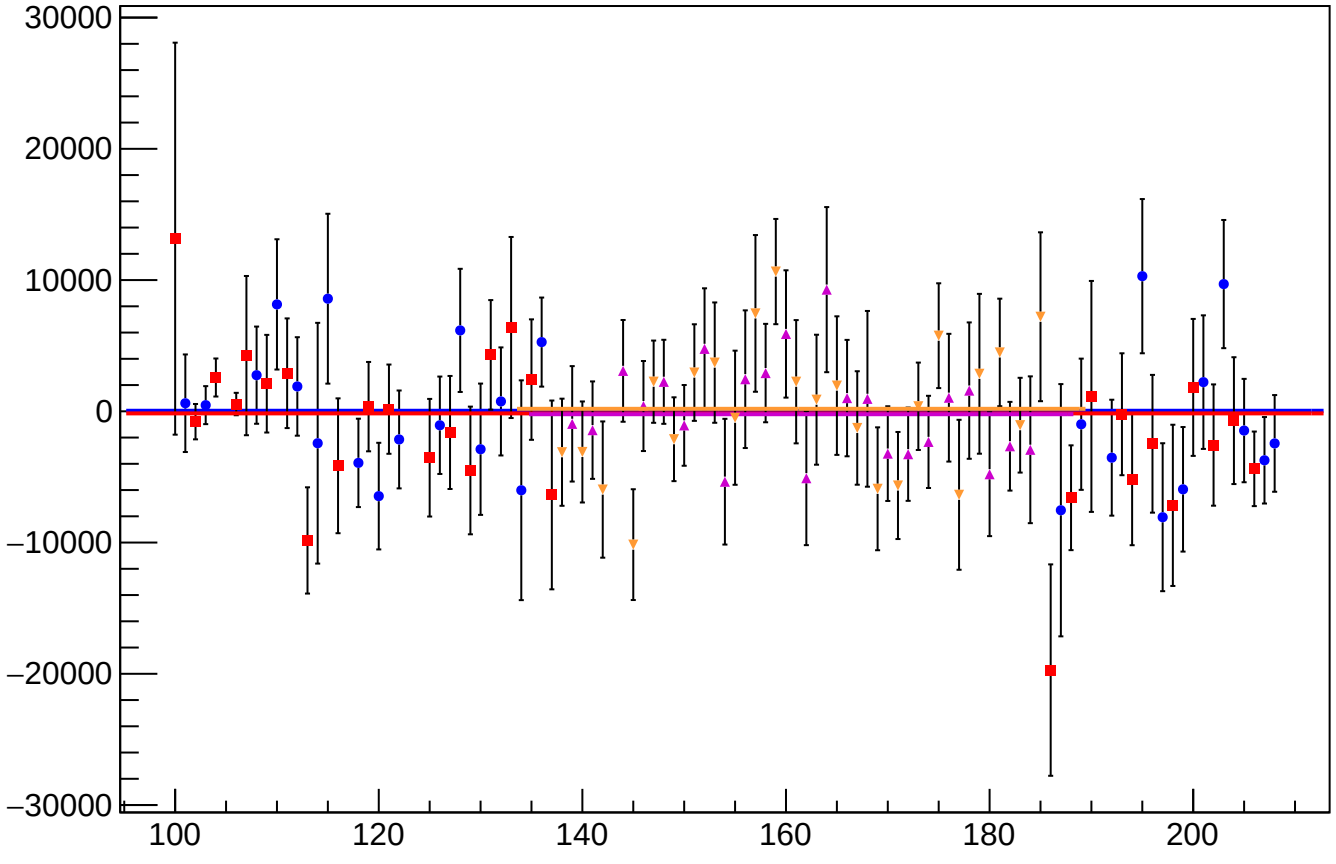
Right Out: 1157.988+/-0.208 χ^2/NDF: 355673.6/28

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1152.602+/-0.140 χ^2/NDF: 750273.0/50

All: 1154.269+/-0.099 χ^2/NDF: 1172889.2/10

- sign 1155.952+/-0.140 χ^2/NDF: 422330.6/51



Right In: 41.136+/-739.927 χ^2/NDF: 28.8/26

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

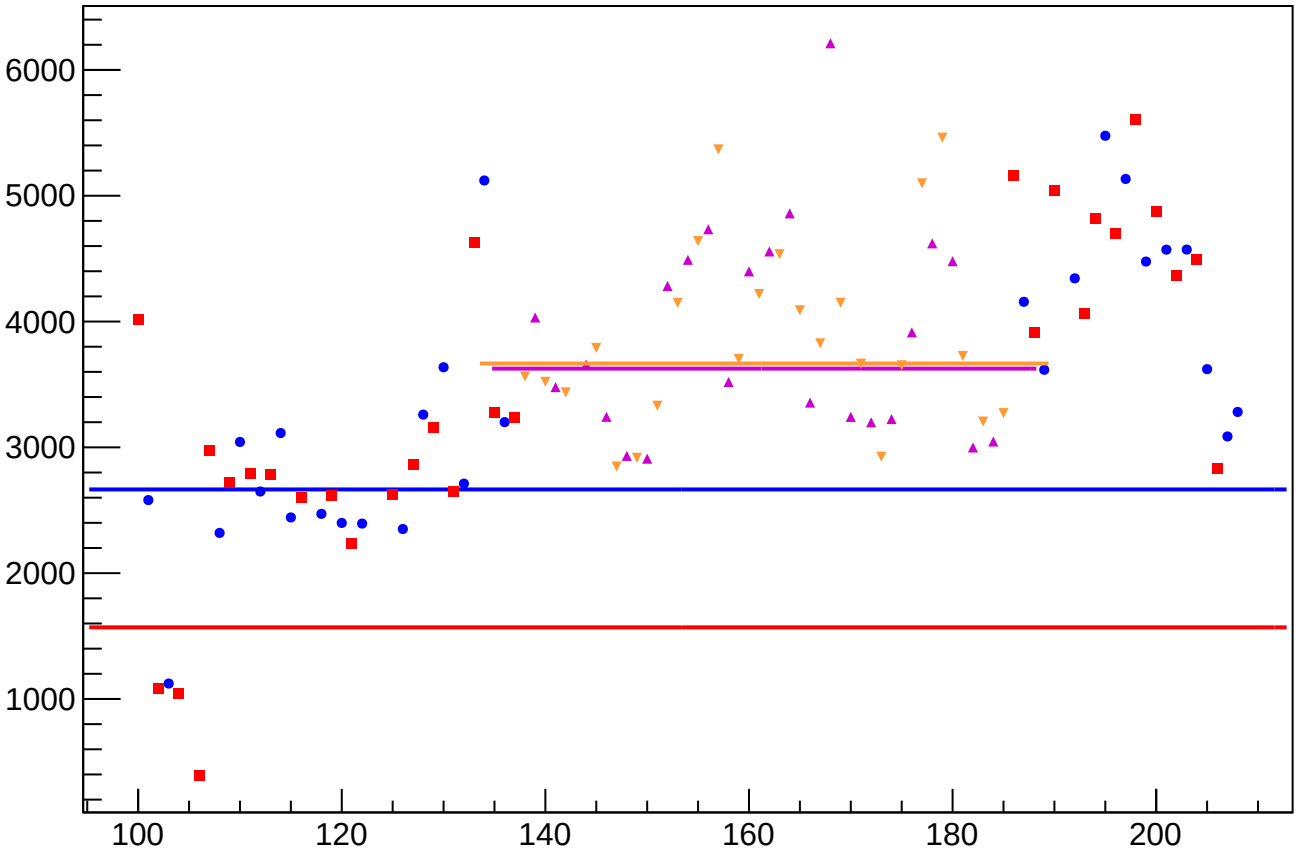
Right Out: -158.426+/-526.101 χ^2/NDF: 31.3/28

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 103.554+/-563.489 χ^2/NDF: 58.1/50

All: -66.949+/-351.374 χ^2/NDF: 102.9/102

- sign -175.428+/-449.461 χ^2/NDF: 44.7/51



Right In: 2665.533+/-0.523 χ^2/NDF: 5013257.6/26

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1569.231+/-0.372 χ^2/NDF: 13851533.5/28

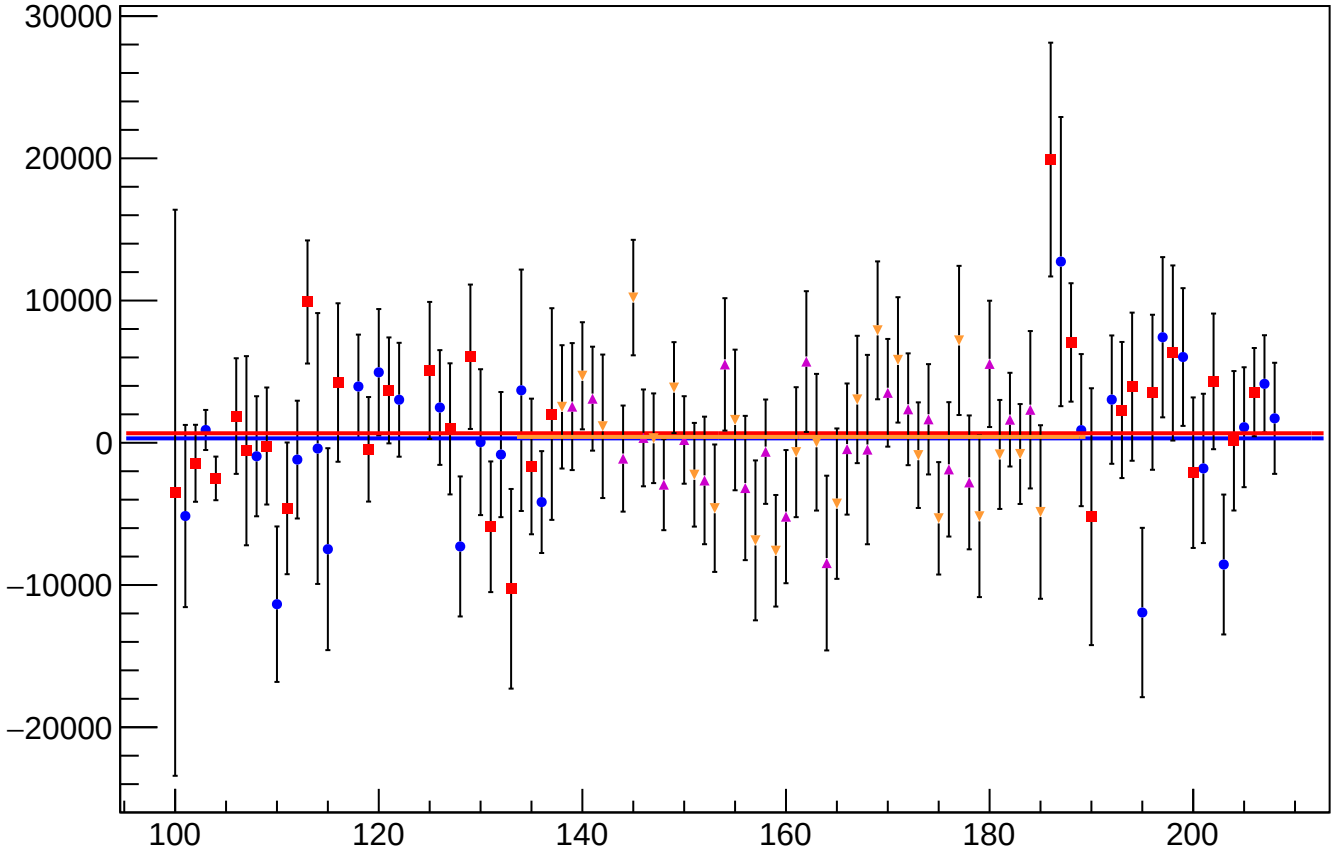
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 3086.004+/-0.398 χ^2/NDF: 7646626.3/50

All: 2498.561+/-0.248 χ^2/NDF: 34569536.6/1

- sign 2124.814+/-0.318 χ^2/NDF: 23366322.5/51

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 309.503+/-775.989 χ^2/NDF: 27.8/26

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

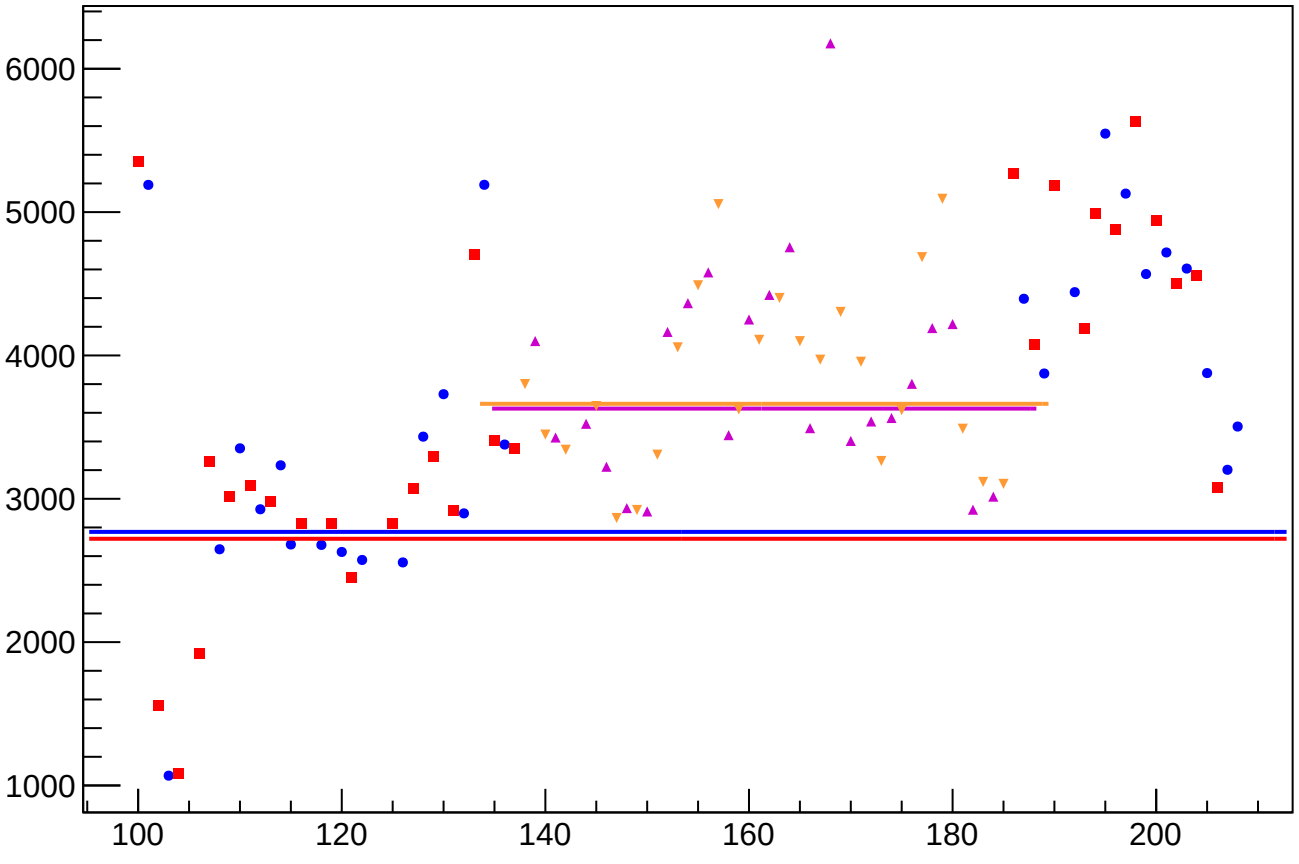
Right Out: 669.500+/-768.299 χ^2/NDF: 30.5/28

Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 355.855+/-577.720 χ^2/NDF: 55.0/50

All: 454.527+/-407.072 χ^2/NDF: 97.9/102

- sign 551.823+/-573.676 χ^2/NDF: 42.8/51



Right In: 2769.124+/-0.549 χ^2/NDF: 5846232.9/26

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

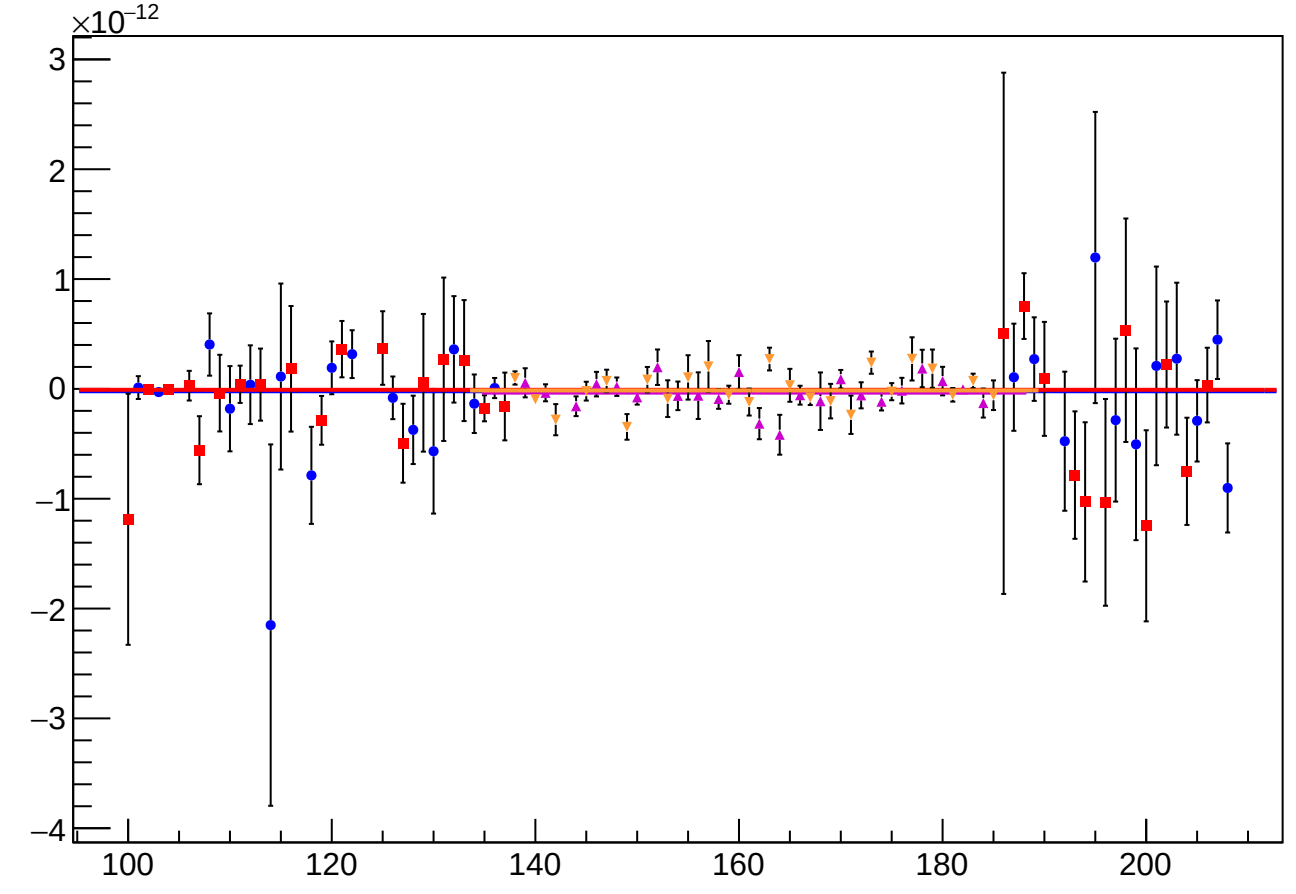
Right Out: 2721.014+/-0.542 χ^2/NDF: 5908909.0/28

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3167.398+/-0.409 χ^2/NDF: 7921694.3/50

All: 3144.547+/-0.288 χ^2/NDF: 16130148.7/1

- sign 3122.059+/-0.405 χ^2/NDF: 8202246.3/51



Right In: -0.000+/-0.000 χ^2/NDF: 23.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

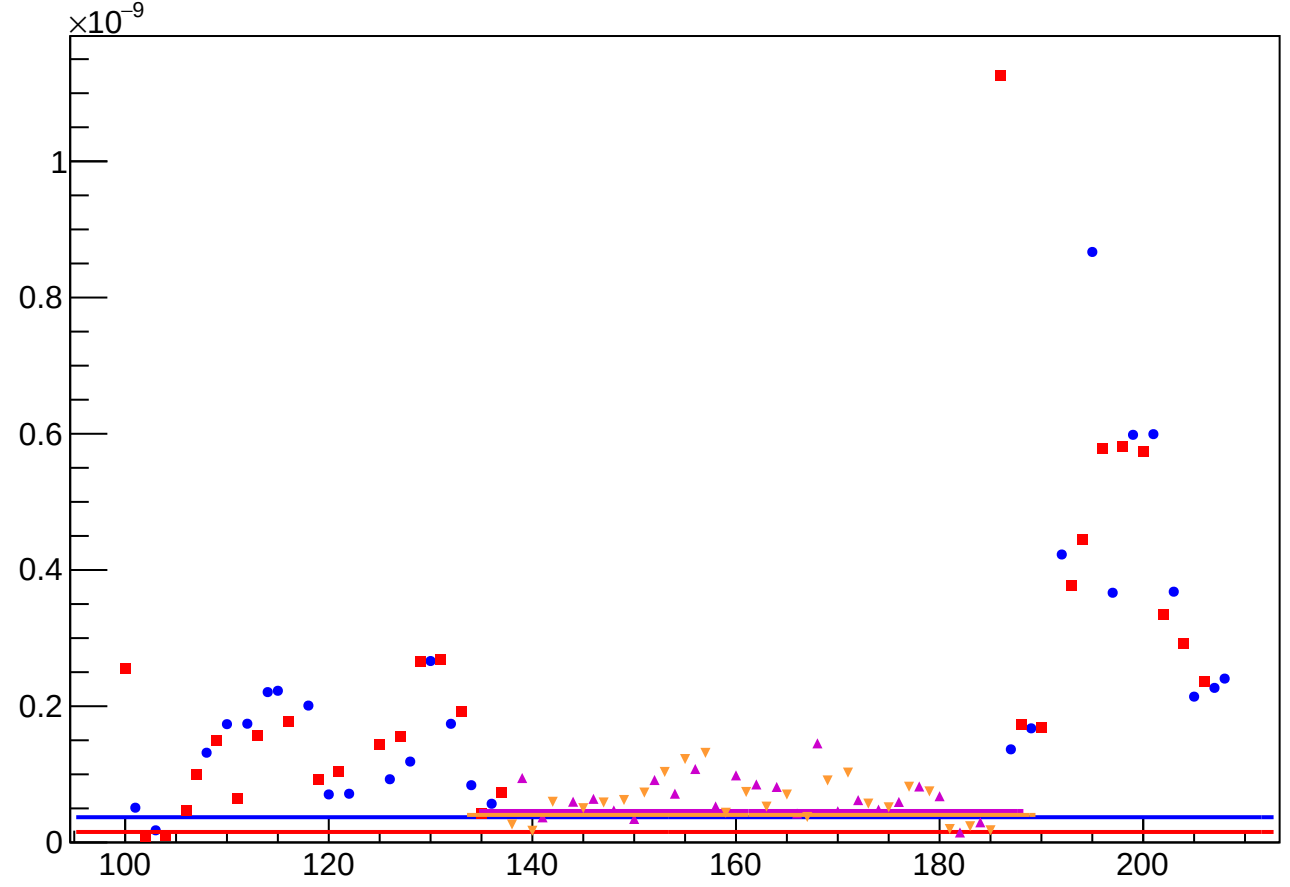
Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/28

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.7/50

All: -0.000+/-0.000 χ^2/NDF: 123.0/102

- sign -0.000+/-0.000 χ^2/NDF: 54.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 8936003.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

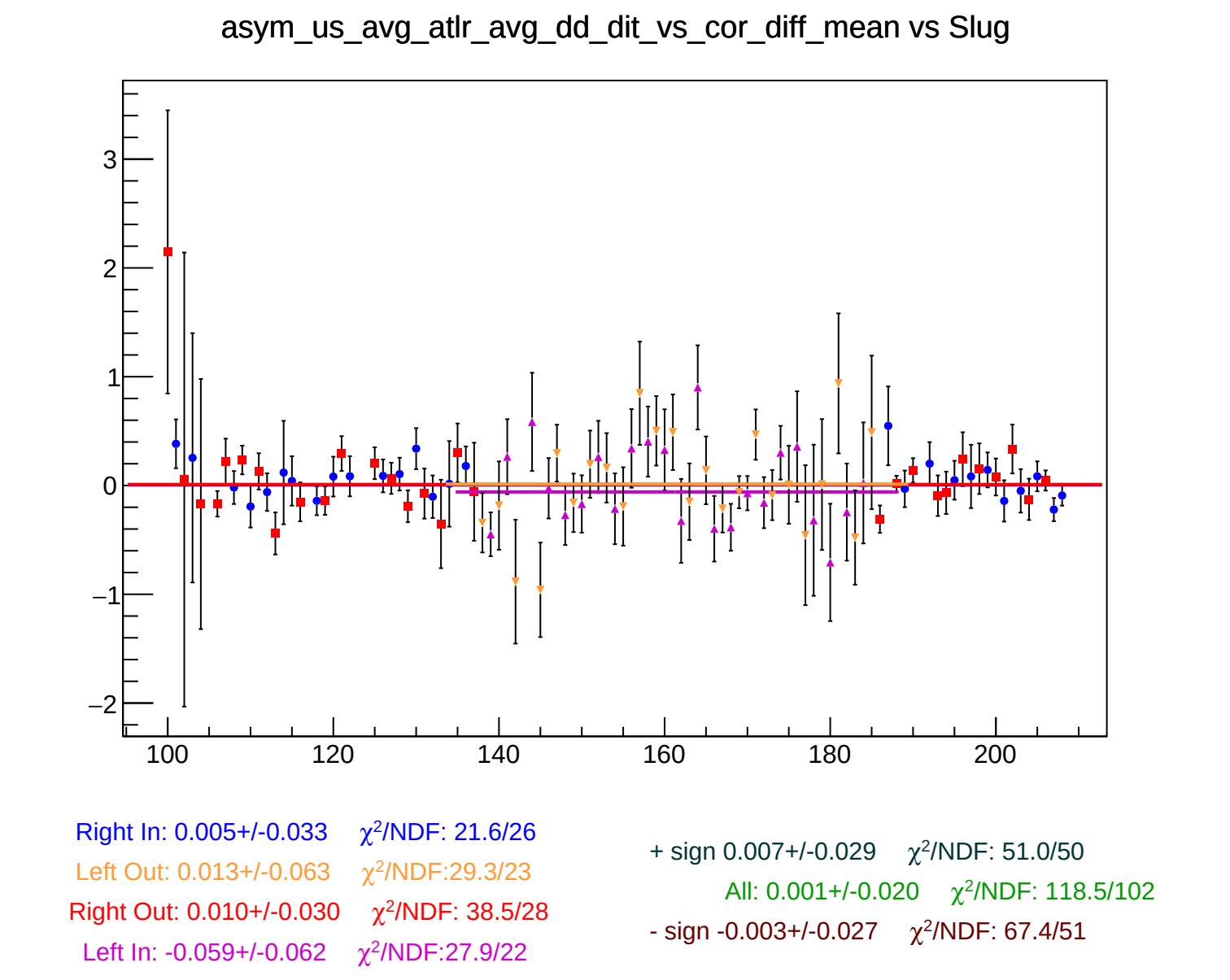
Right Out: 0.000+/-0.000 χ^2/NDF: 10620115.2/28

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12391527.6/50

All: 0.000+/-0.000 χ^2/NDF: 29919843.1/102

- sign 0.000+/-0.000 χ^2/NDF: 16599543.9/51


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
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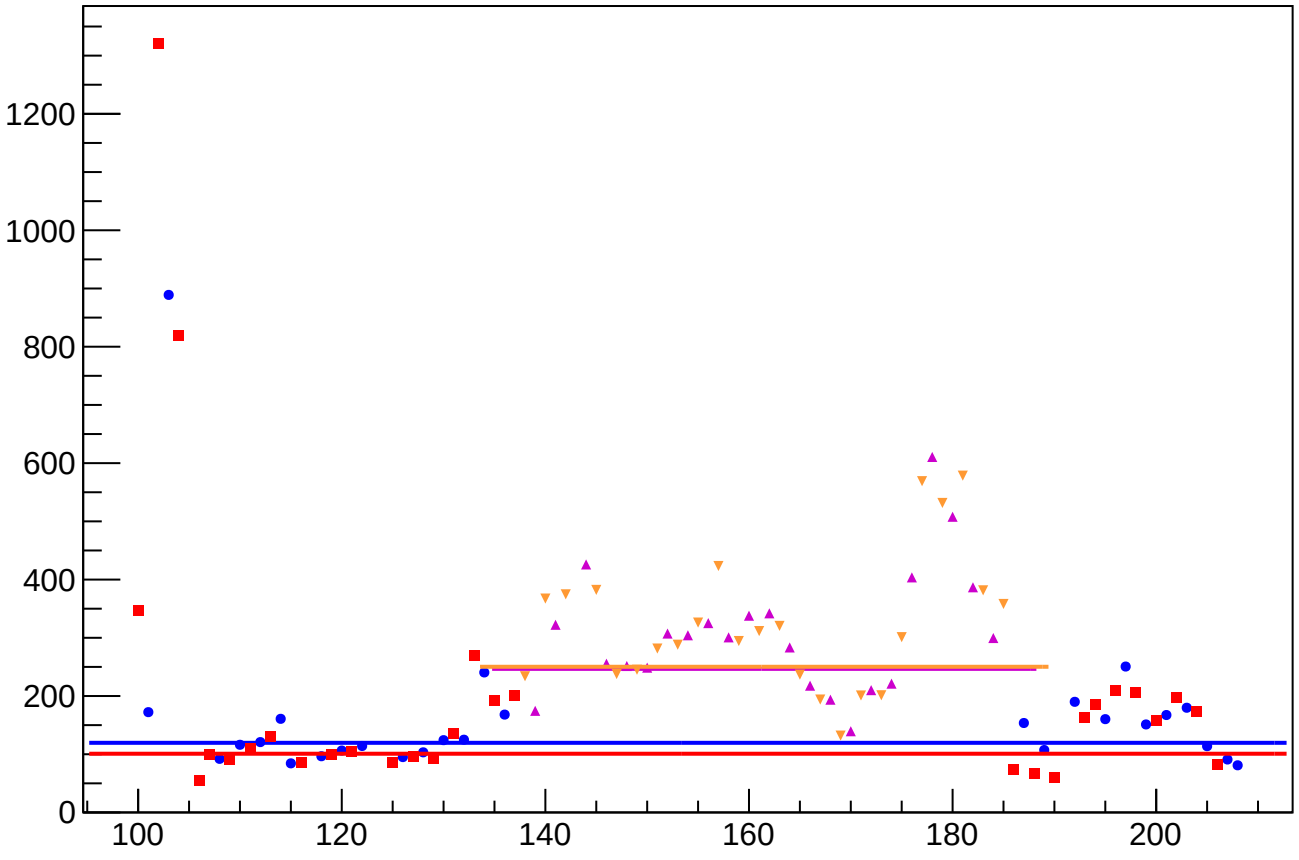
Right In: 0.005+/-0.033 χ²/NDF: 21.6/26
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.010+/-0.030 χ²/NDF: 38.5/28
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.007+/-0.029 χ²/NDF: 51.0/50
All: 0.001+/-0.020 χ²/NDF: 118.5/102
- sign -0.003+/-0.027 χ²/NDF: 67.4/51



Right In: 119.624+/-0.024 χ^2/NDF: 3295156.2/26

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

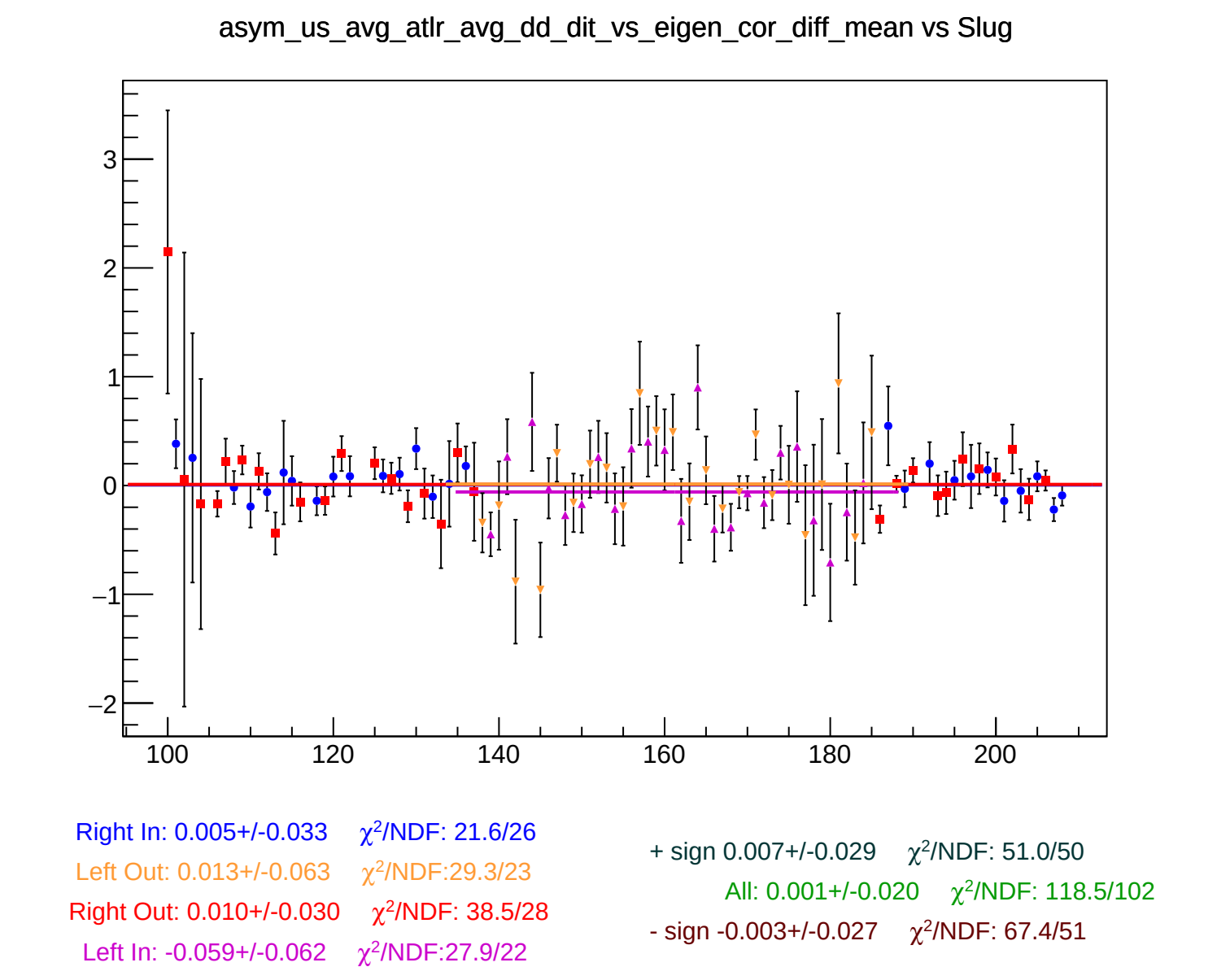
Right Out: 100.869+/-0.021 χ^2/NDF: 5806932.2/28

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 148.112+/-0.021 χ^2/NDF: 14369302.9/50

All: 136.952+/-0.014 χ^2/NDF: 33482123.7/10

- sign 127.796+/-0.019 χ^2/NDF: 18589109.0/51


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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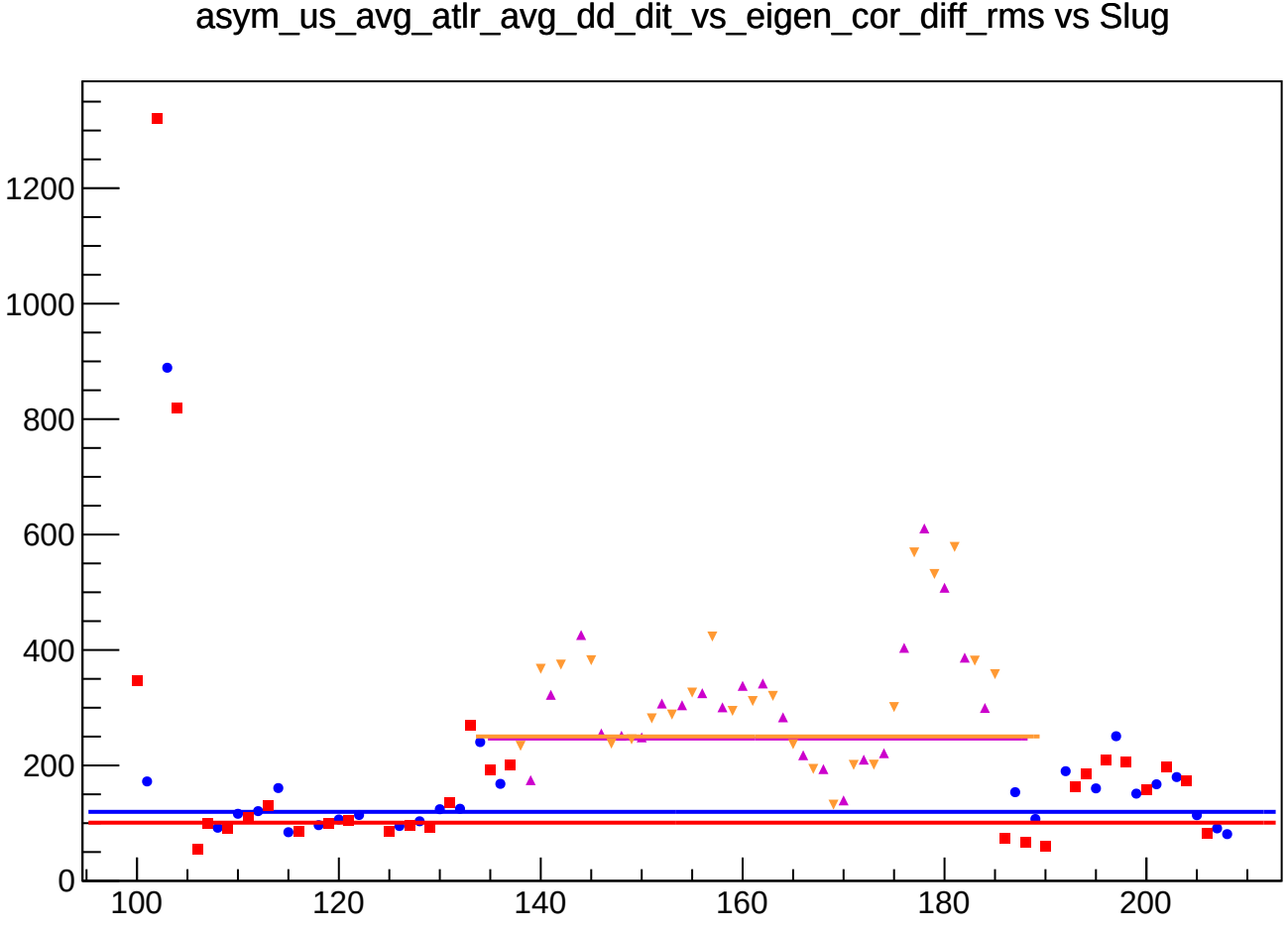
Right In: 0.005+/-0.033 χ²/NDF: 21.6/26
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.010+/-0.030 χ²/NDF: 38.5/28
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.007+/-0.029 χ²/NDF: 51.0/50
All: 0.001+/-0.020 χ²/NDF: 118.5/102
- sign -0.003+/-0.027 χ²/NDF: 67.4/51



Right In: 119.624+/-0.024 χ^2/NDF: 3295156.2/26

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

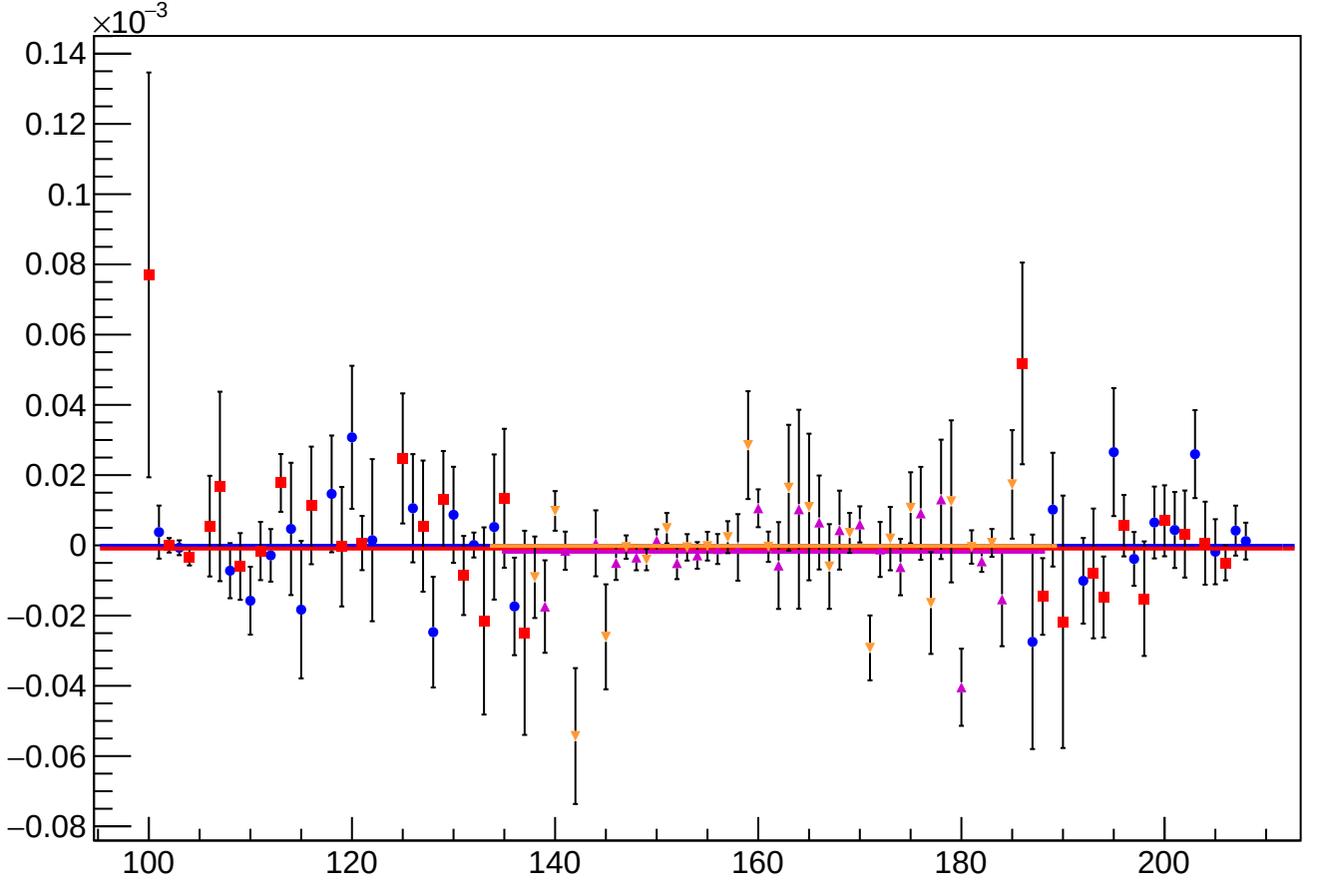
Right Out: 100.869+/-0.021 χ^2/NDF: 5806932.2/28

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 148.112+/-0.021 χ^2/NDF: 14369302.9/50

All: 136.952+/-0.014 χ^2/NDF: 33482123.7/10

- sign 127.796+/-0.019 χ^2/NDF: 18589109.0/51



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

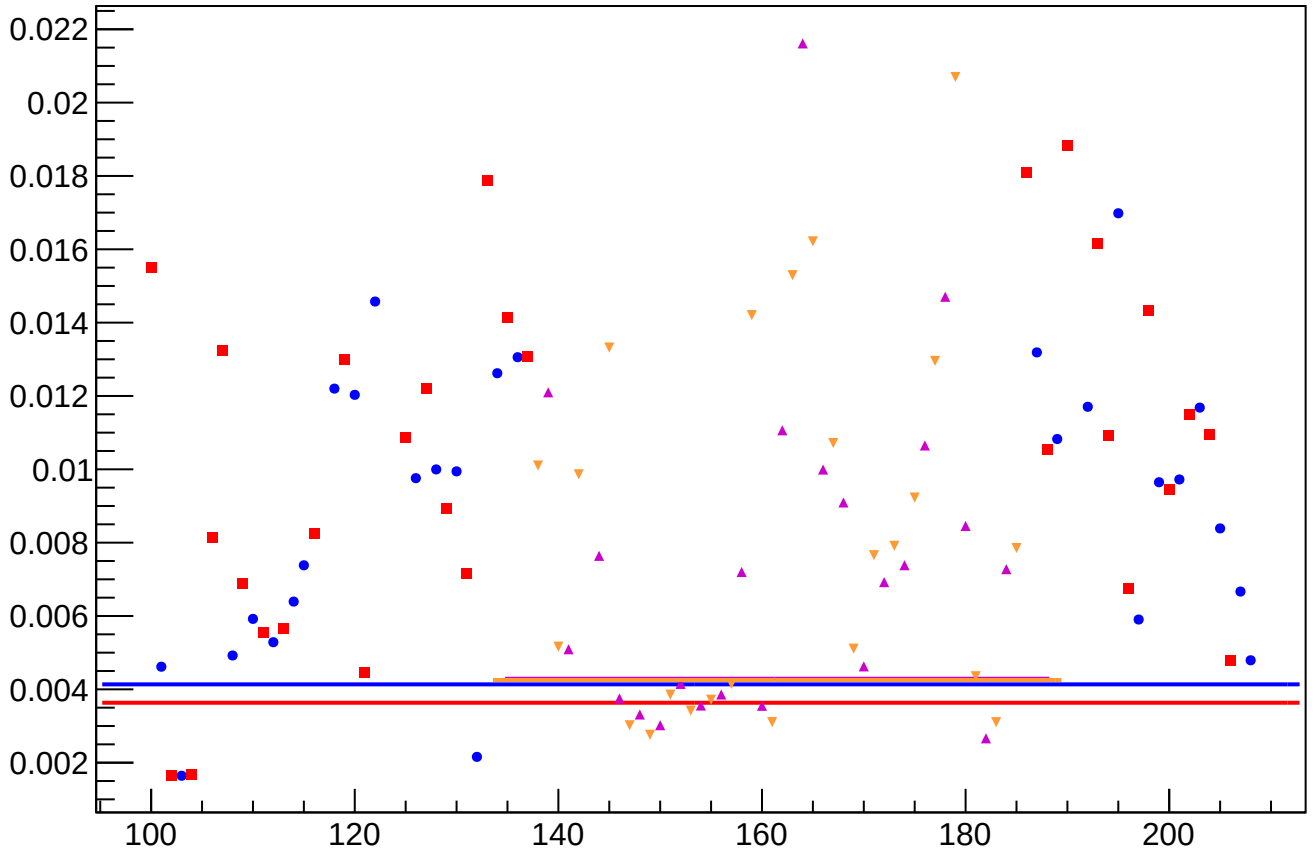
Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/28

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.7/50

All: -0.000+/-0.000 χ^2/NDF: 113.9/102

- sign -0.000+/-0.000 χ^2/NDF: 53.2/51



Right In: 0.004+/-0.000 χ^2/NDF: 11812389.4/26

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

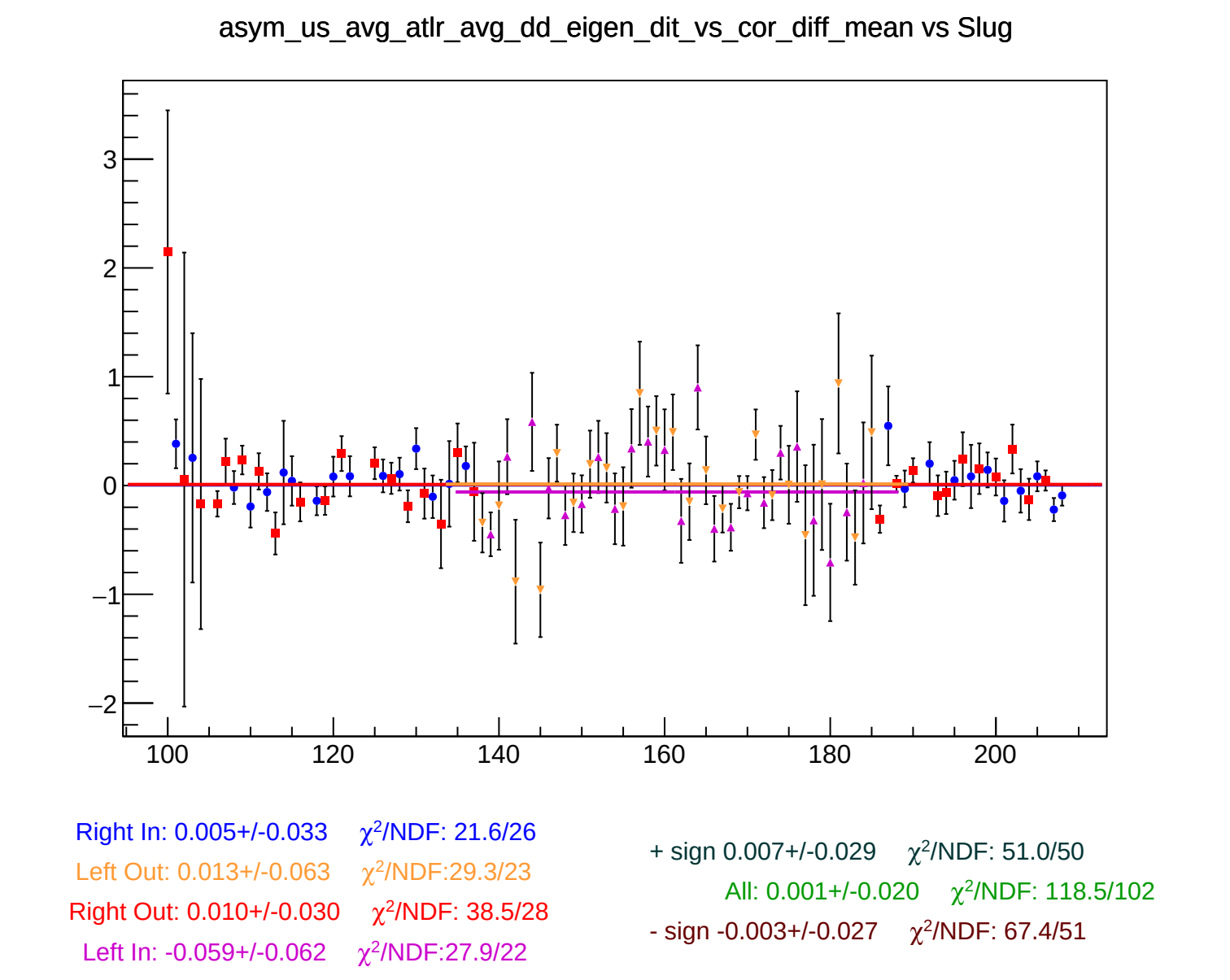
Right Out: 0.004+/-0.000 χ^2/NDF: 14400407.2/28

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 20313518.5/50

All: 0.004+/-0.000 χ^2/NDF: 41657027.9/102

- sign 0.004+/-0.000 χ^2/NDF: 21281356.1/51


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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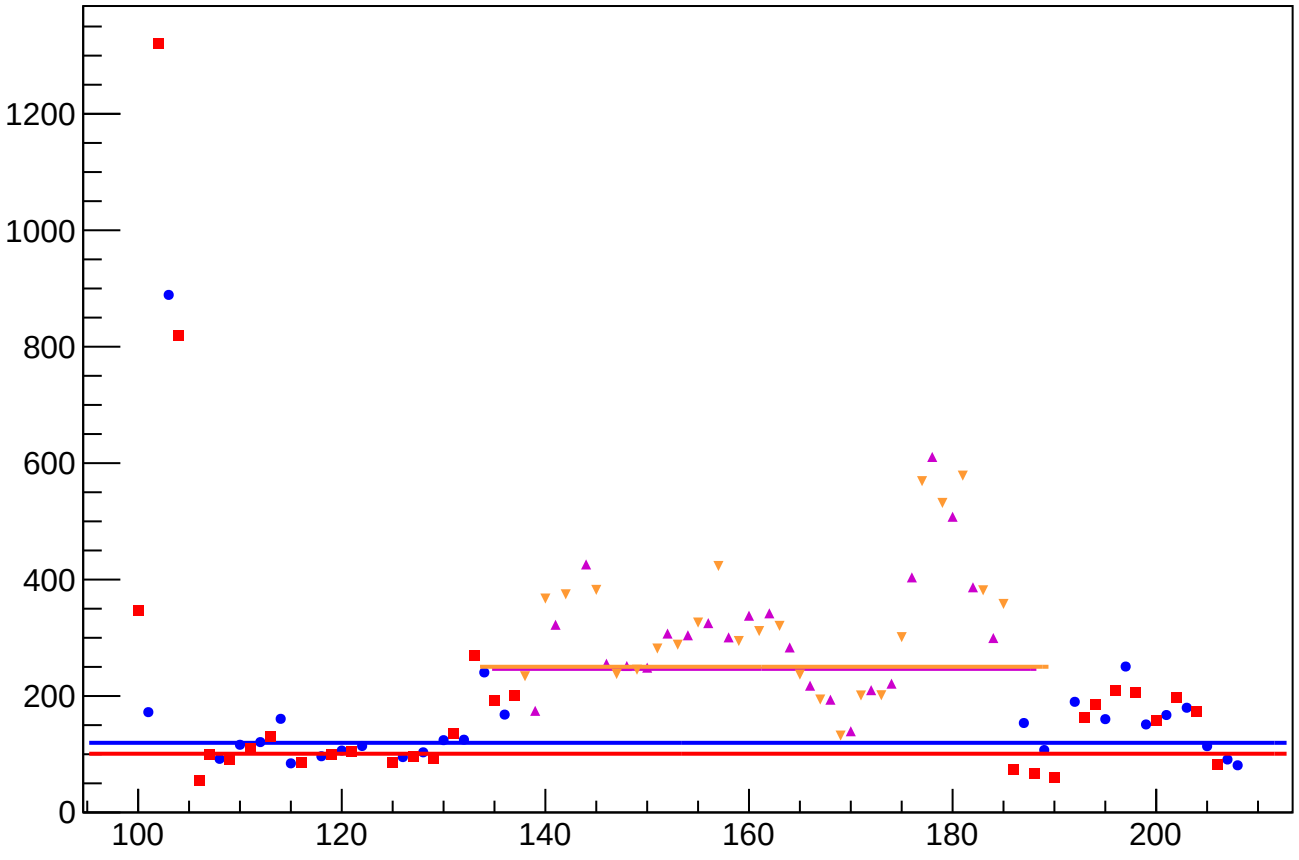
Right In: 0.005+/-0.033 χ²/NDF: 21.6/26
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.010+/-0.030 χ²/NDF: 38.5/28
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.007+/-0.029 χ²/NDF: 51.0/50
All: 0.001+/-0.020 χ²/NDF: 118.5/102
- sign -0.003+/-0.027 χ²/NDF: 67.4/51



Right In: 119.623+/-0.024 χ^2/NDF: 3295229.3/26

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

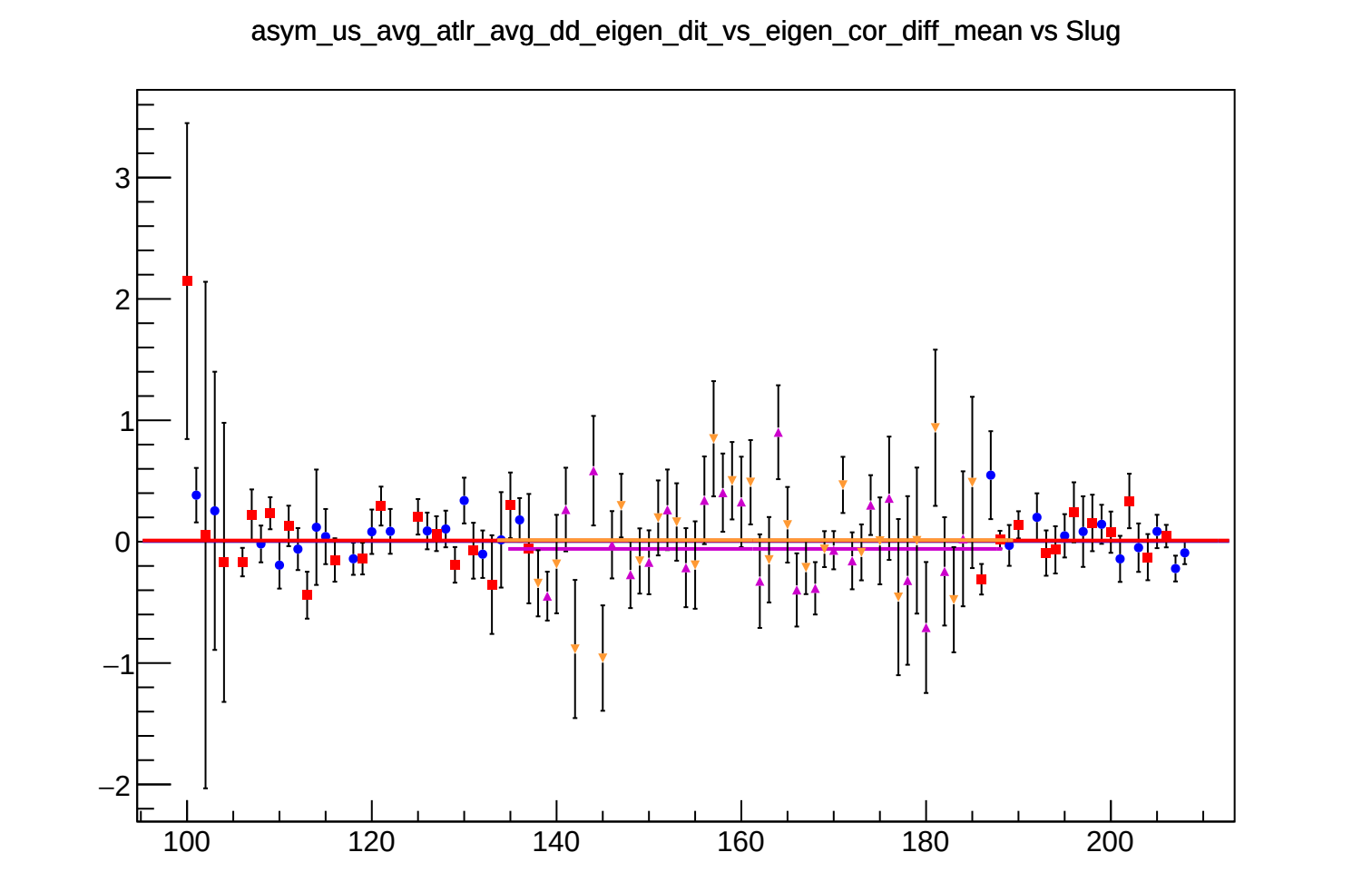
Right Out: 100.865+/-0.021 χ^2/NDF: 5807483.8/28

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 148.110+/-0.021 χ^2/NDF: 14369684.5/50

All: 136.948+/-0.014 χ^2/NDF: 33484012.0/10

- sign 127.791+/-0.019 χ^2/NDF: 18590430.2/51


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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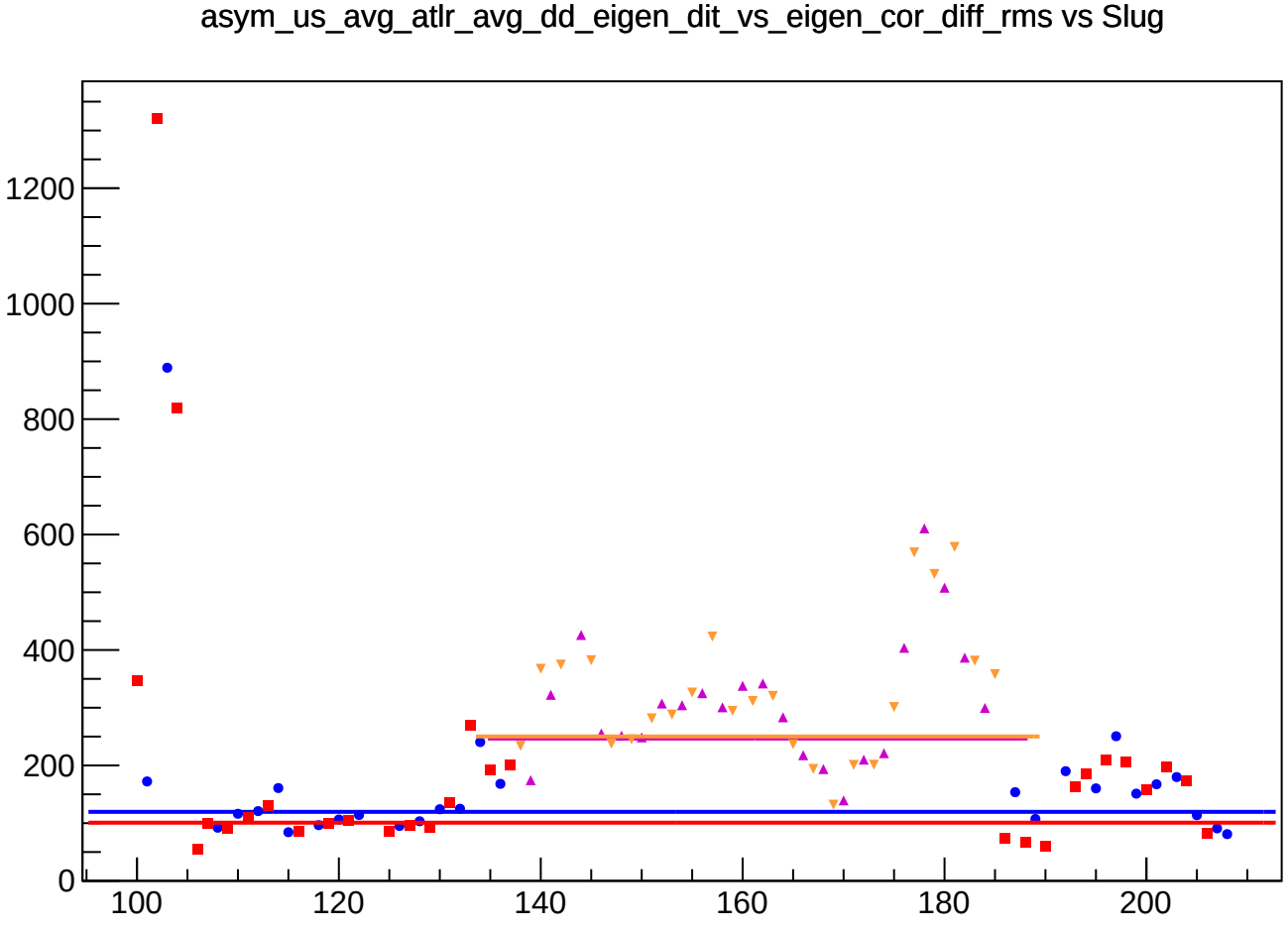
Right In: 0.005+/-0.033 χ²/NDF: 21.6/26
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.010+/-0.030 χ²/NDF: 38.5/28
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.007+/-0.029 χ²/NDF: 51.0/50
All: 0.001+/-0.020 χ²/NDF: 118.5/102
- sign -0.003+/-0.027 χ²/NDF: 67.4/51



Right In: 119.623+/-0.024 χ^2/NDF: 3295229.3/26

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

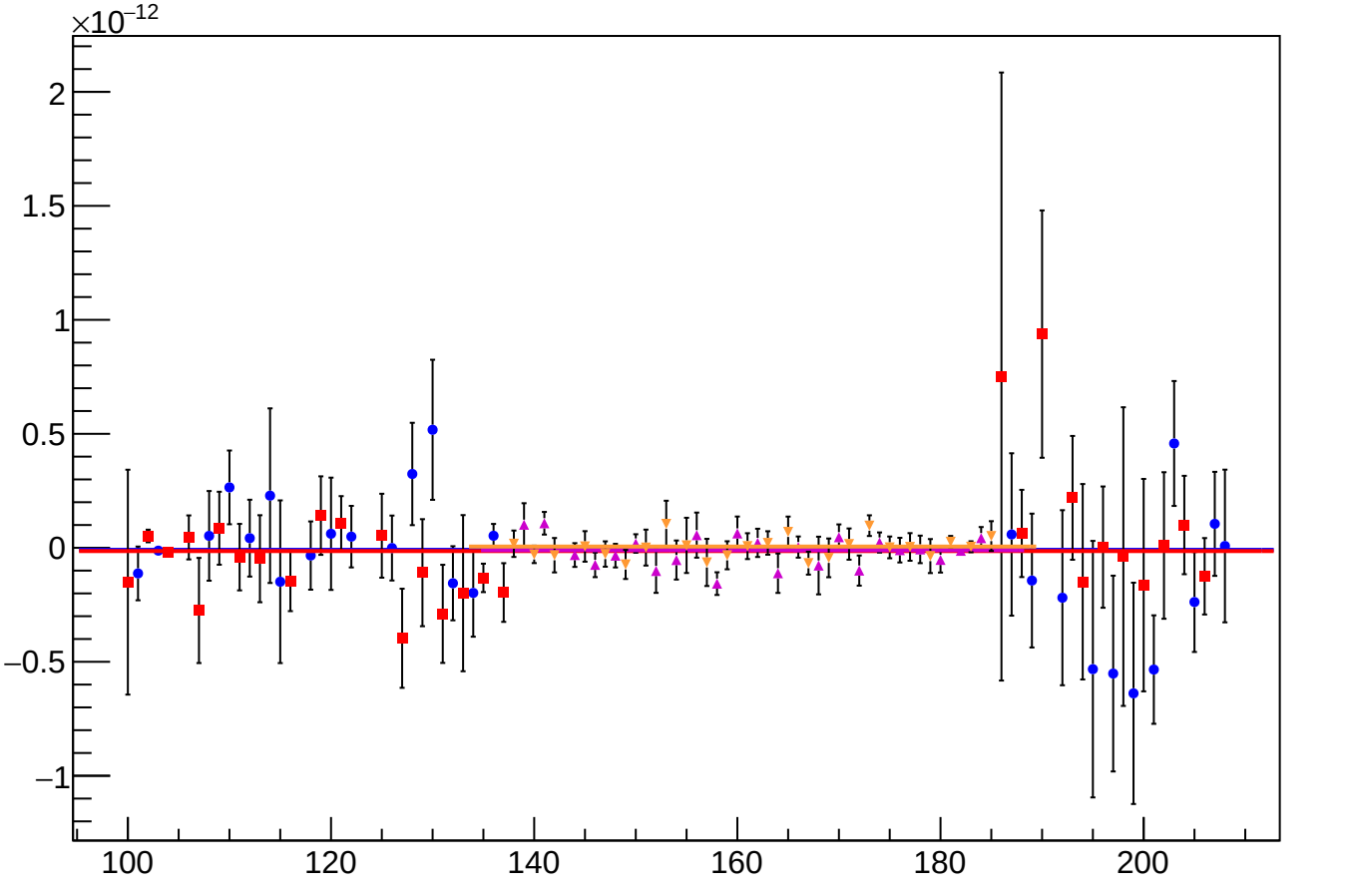
Right Out: 100.865+/-0.021 χ^2/NDF: 5807483.8/28

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 148.110+/-0.021 χ^2/NDF: 14369684.5/50

All: 136.948+/-0.014 χ^2/NDF: 33484012.0/10

- sign 127.791+/-0.019 χ^2/NDF: 18590430.2/51



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

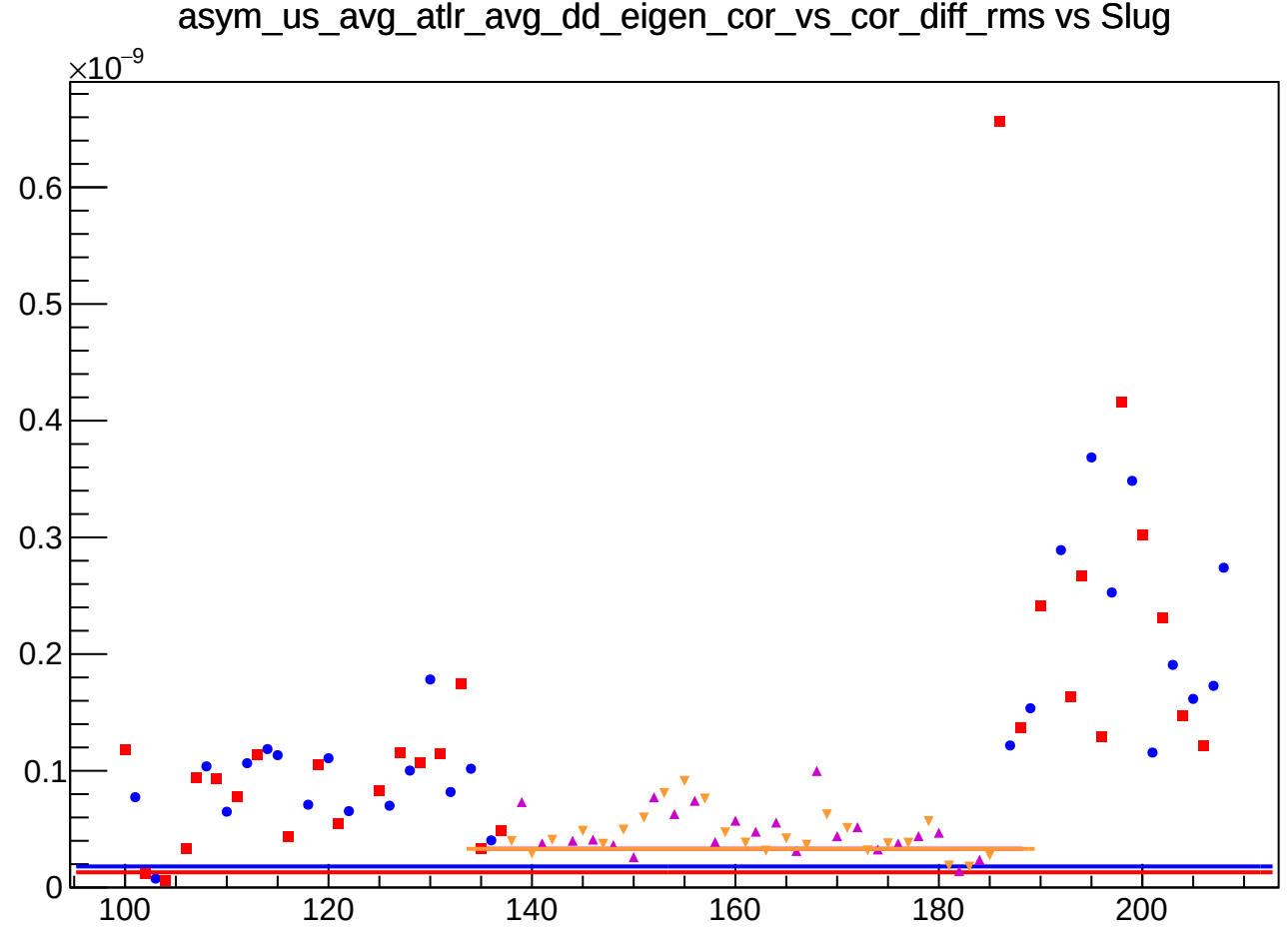
Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/28

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.5/50

All: -0.000+/-0.000 χ^2/NDF: 97.8/102

- sign -0.000+/-0.000 χ^2/NDF: 55.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 13990529.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13361190.1/28

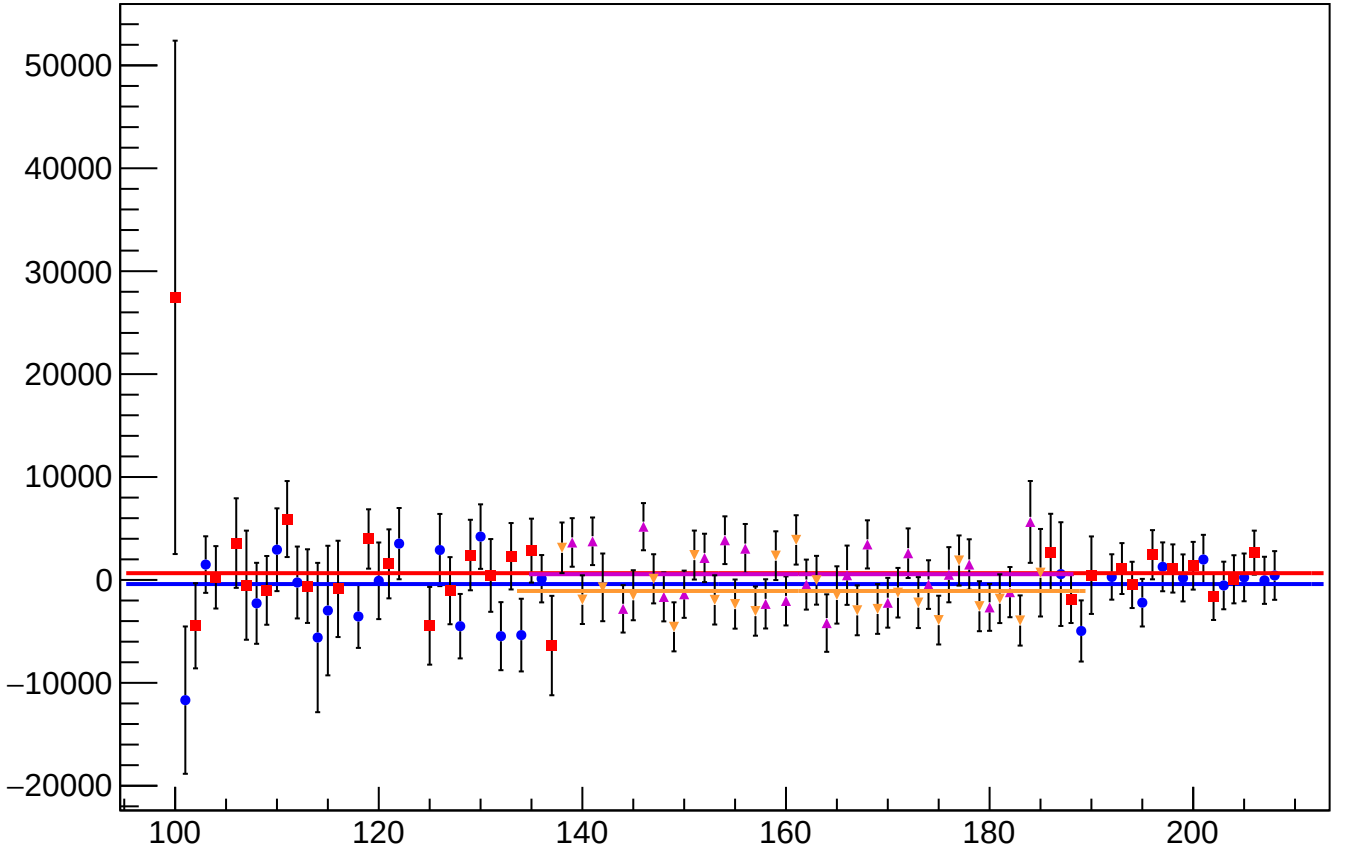
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 19754432.1/50

All: 0.000+/-0.000 χ^2/NDF: 42427707.5/102

- sign 0.000+/-0.000 χ^2/NDF: 22339944.9/51

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -401.025+/-564.023 χ^2/NDF: 20.9/26

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 657.050+/-563.439 χ^2/NDF: 16.7/28

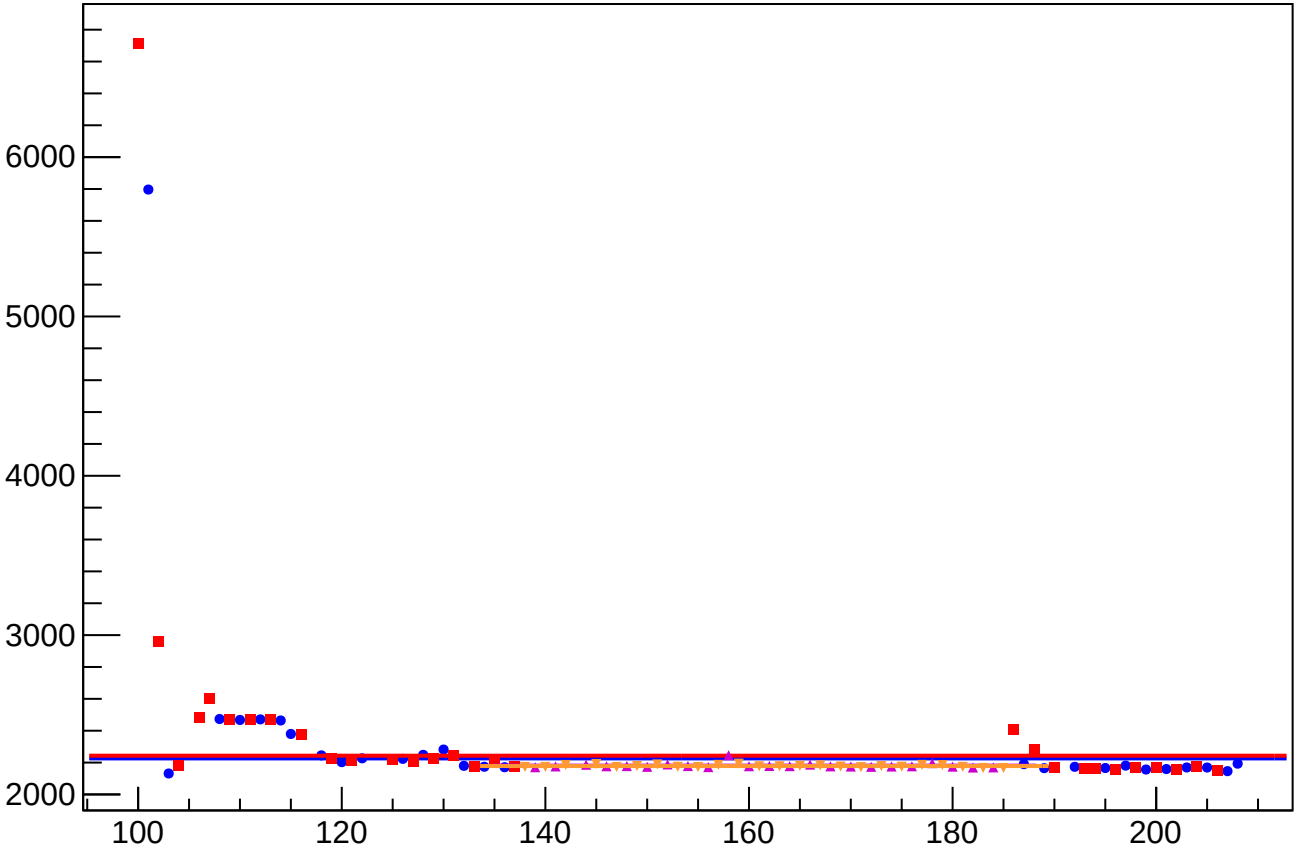
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -773.574+/-376.452 χ^2/NDF: 43.3/50

All: -88.215+/-266.662 χ^2/NDF: 95.4/102

- sign 602.008+/-377.786 χ^2/NDF: 45.4/51

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2226.096+/-0.399 χ^2/NDF: 544012.5/26

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

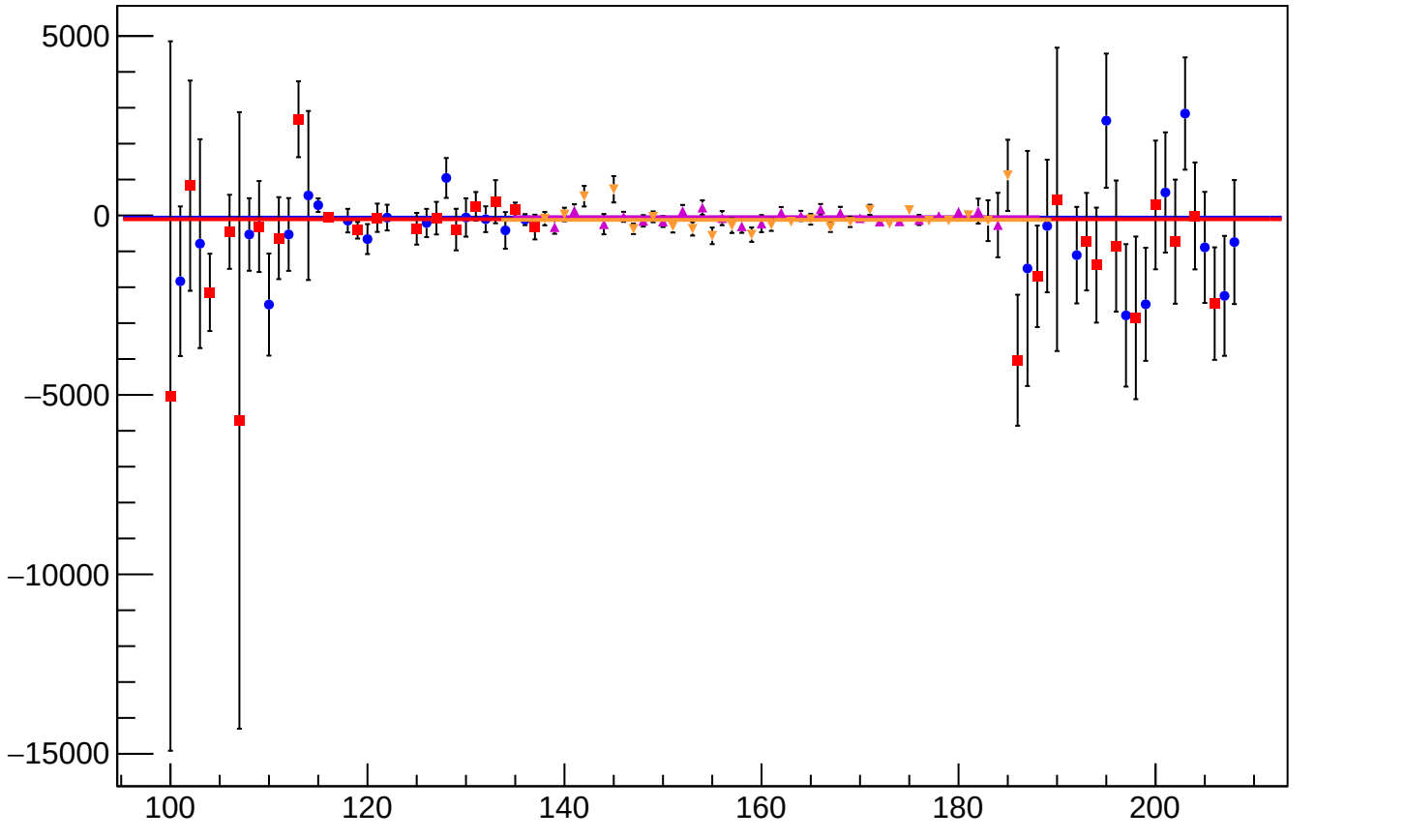
Right Out: 2243.217+/-0.398 χ^2/NDF: 193041.8/28

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2199.561+/-0.266 χ^2/NDF: 552384.3/50

All: 2204.227+/-0.189 χ^2/NDF: 761367.3/102

- sign 2208.926+/-0.267 χ^2/NDF: 208366.3/51



Right In: -61.054+/-89.534 χ^2/NDF: 27.3/26

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: -105.029+/-81.345 χ^2/NDF: 28.6/28

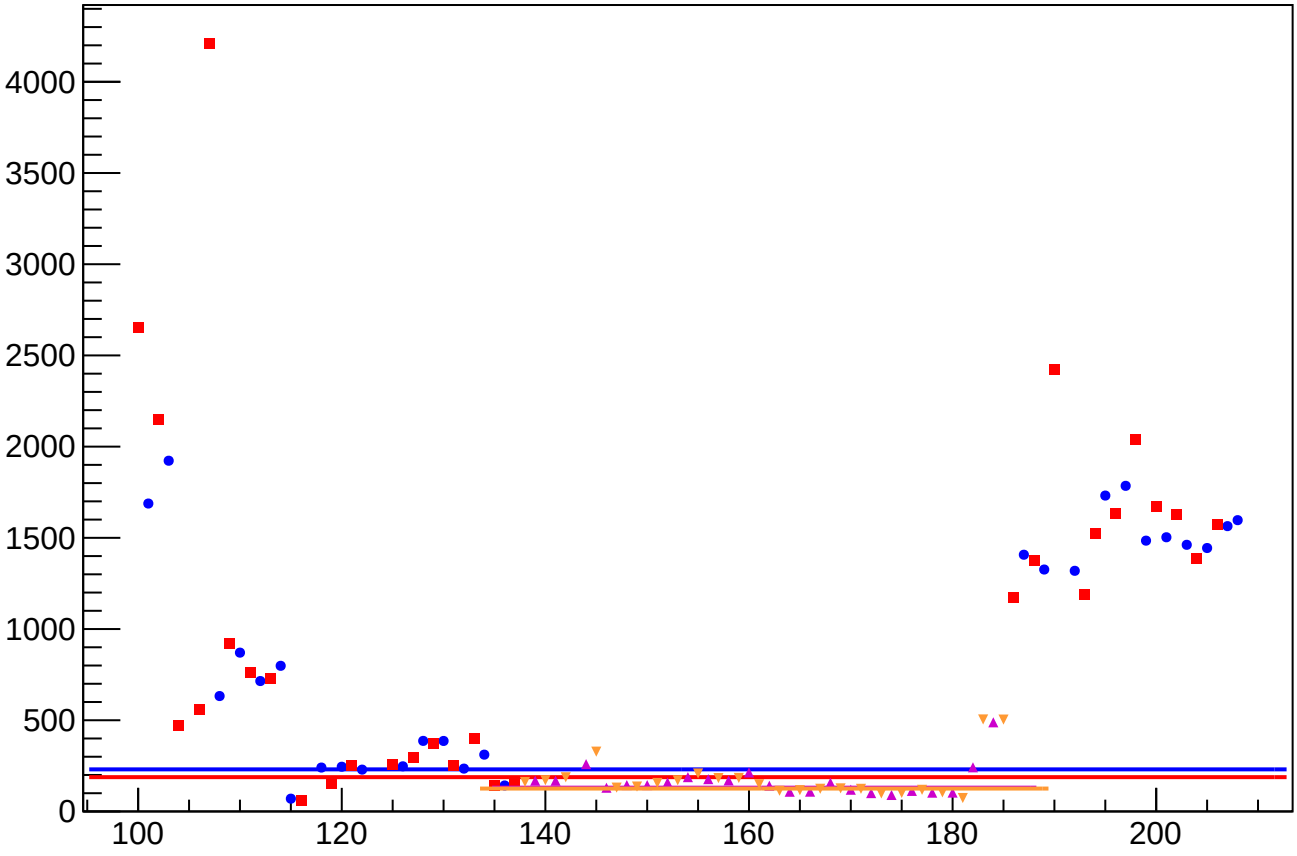
Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -116.219+/-29.637 χ^2/NDF: 71.5/50

All: -87.607+/-21.159 χ^2/NDF: 120.7/102

- sign -57.866+/-30.216 χ^2/NDF: 47.2/51

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 230.734+/-0.063 χ^2/NDF: 17642826.9/26

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 188.047+/-0.058 χ^2/NDF: 19707808.5/28

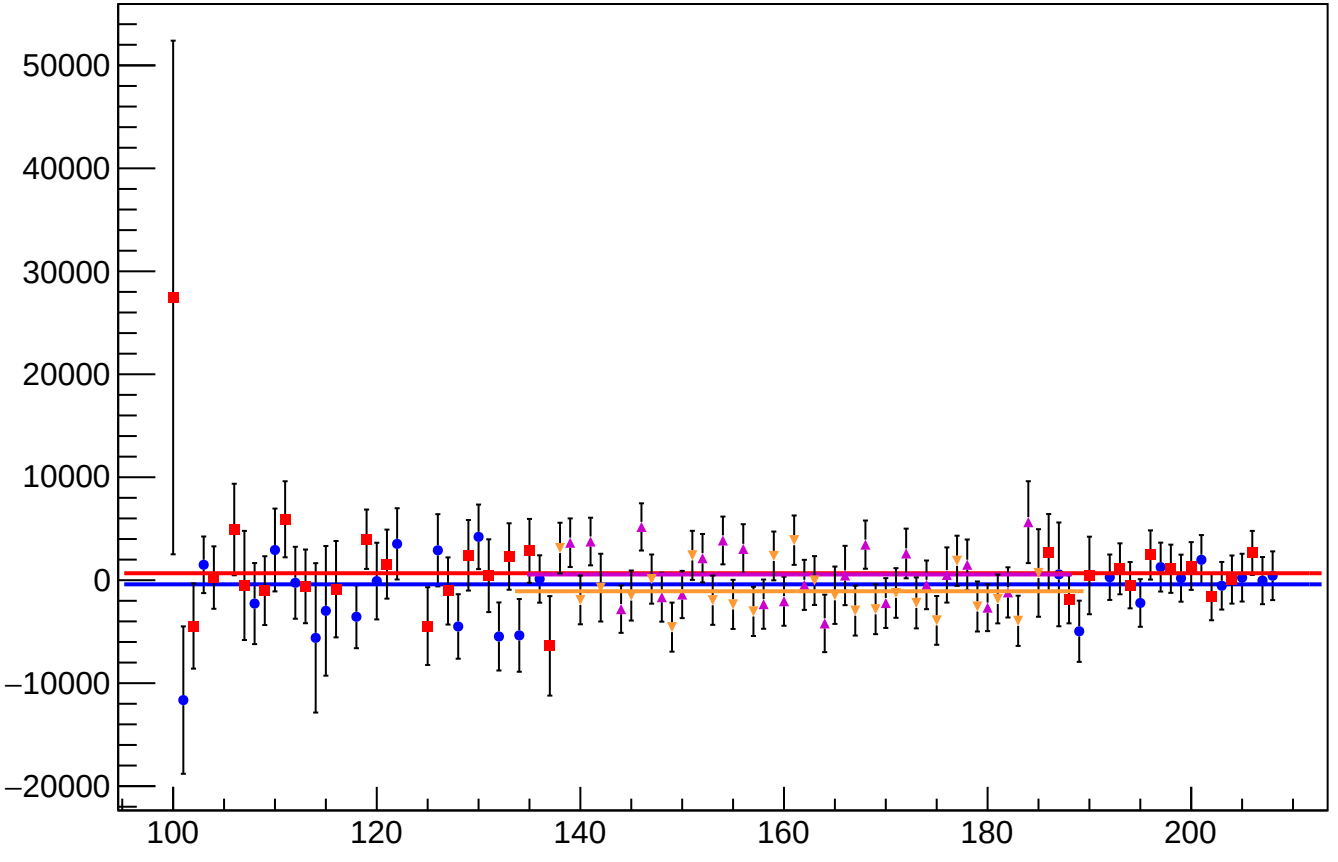
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 137.036+/-0.021 χ^2/NDF: 24045445.8/50

All: 137.698+/-0.015 χ^2/NDF: 47299731.6/10

- sign 138.385+/-0.021 χ^2/NDF: 23252254.0/51

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -400.586+/-564.023 χ^2/NDF: 20.9/26

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 676.761+/-563.636 χ^2/NDF: 17.2/28

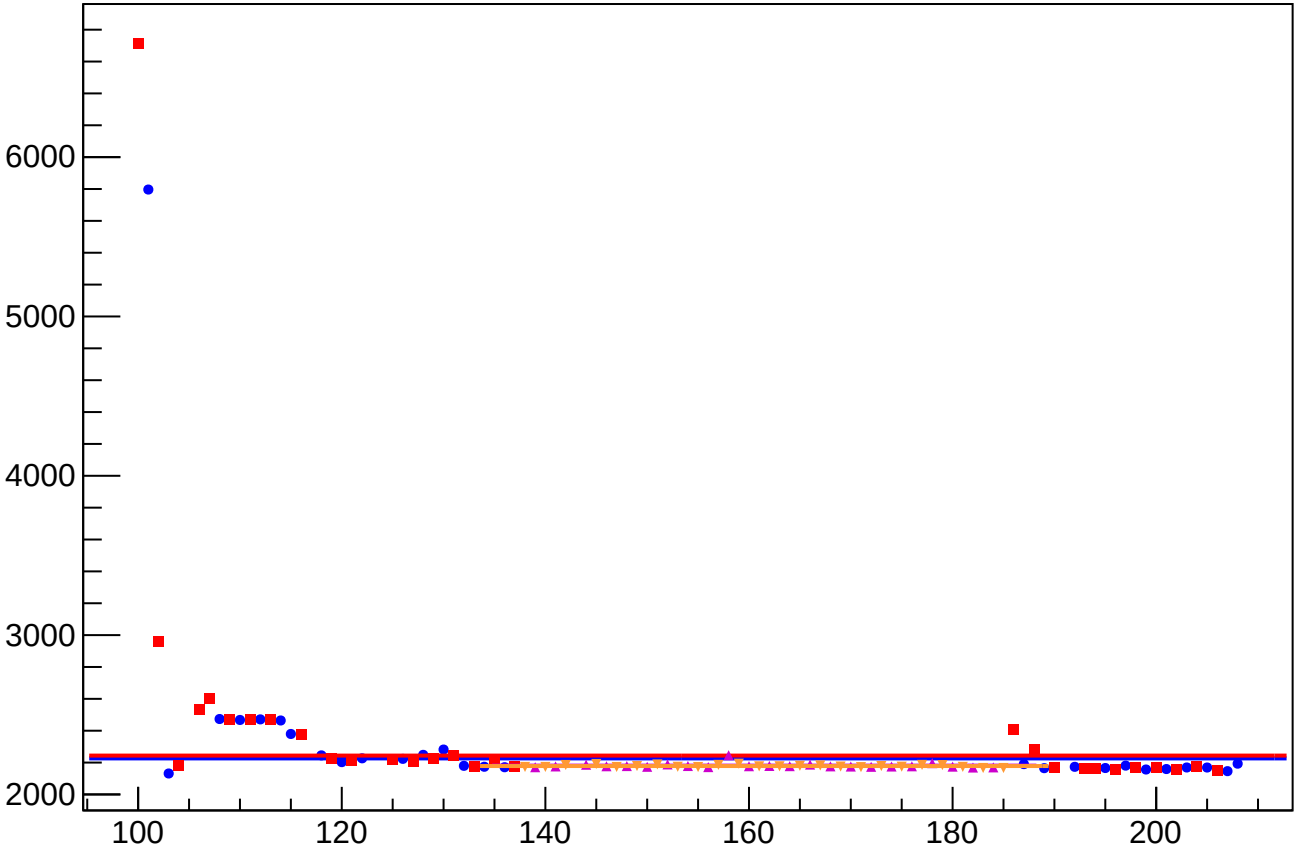
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -773.341+/-376.453 χ^2/NDF: 43.3/50

All: -83.794+/-266.683 χ^2/NDF: 95.9/102

- sign 610.864+/-377.845 χ^2/NDF: 45.9/51

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2226.096+/-0.399 χ^2/NDF: 544012.8/26

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

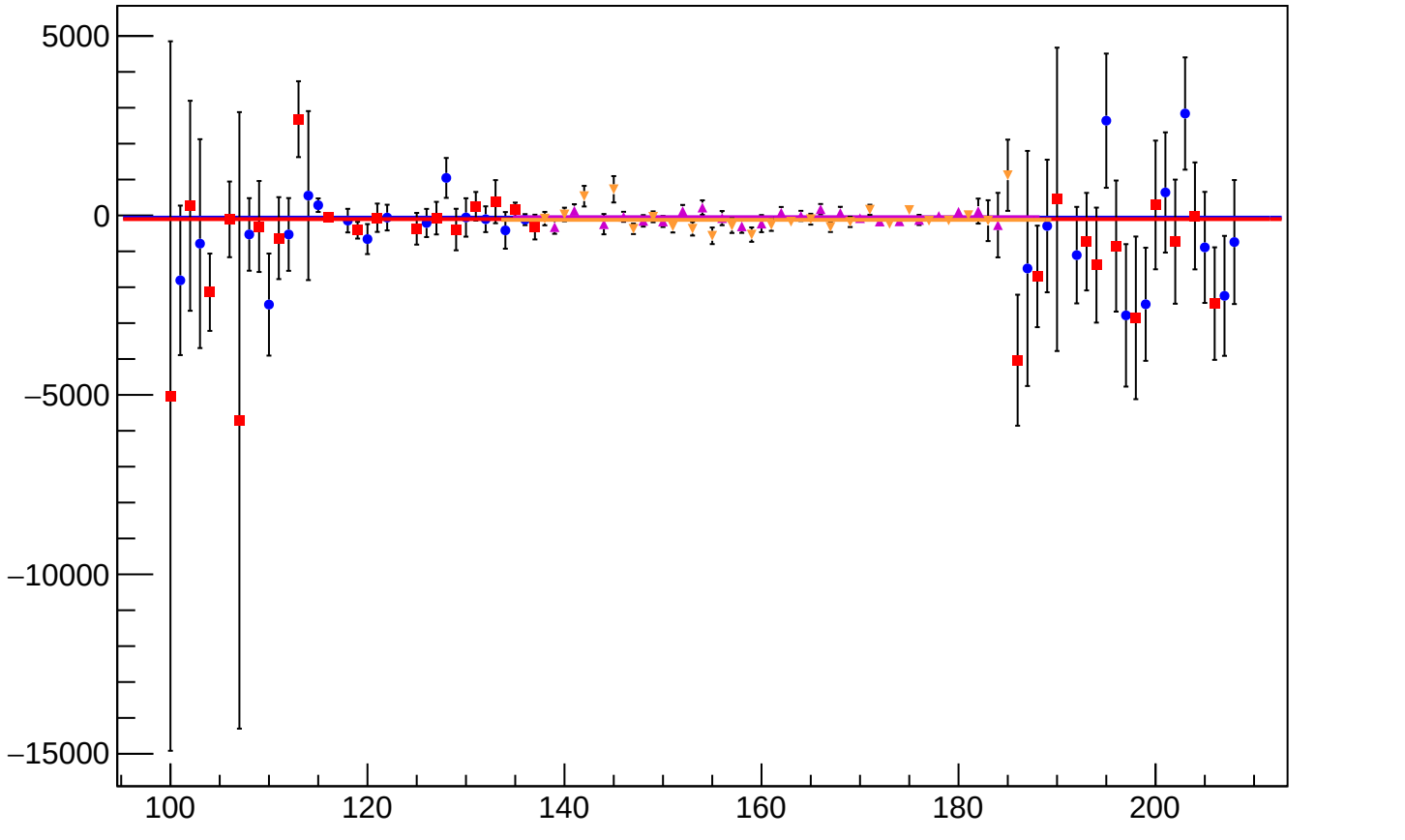
Right Out: 2243.865+/-0.399 χ^2/NDF: 195517.2/28

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2199.561+/-0.266 χ^2/NDF: 552384.6/50

All: 2204.366+/-0.189 χ^2/NDF: 764156.6/102

- sign 2209.207+/-0.267 χ^2/NDF: 211117.9/51



Right In: -61.088+/-89.540 χ^2/NDF: 27.3/26

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

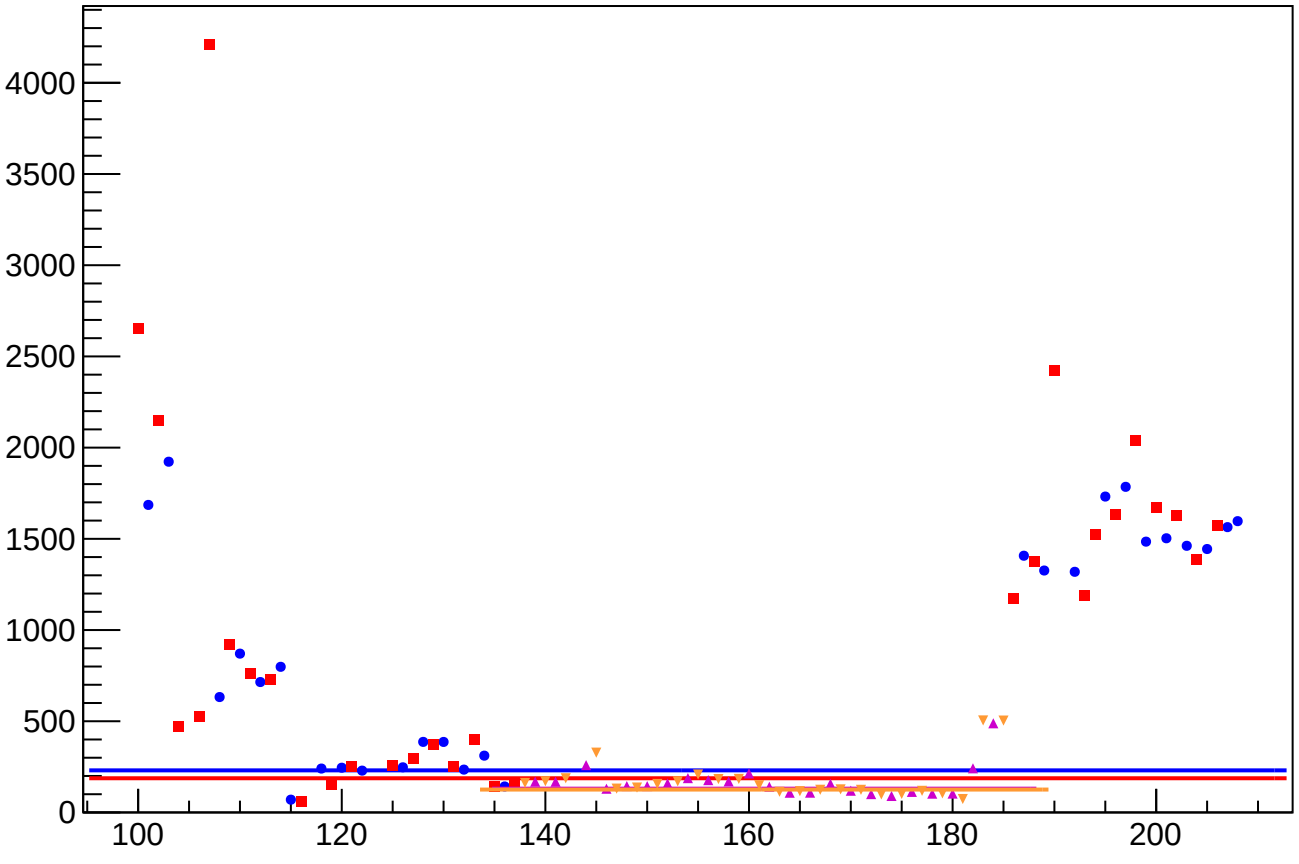
Right Out: -103.034+/-81.286 χ^2/NDF: 28.4/28

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -116.153+/-29.638 χ^2/NDF: 71.5/50

All: -87.397+/-21.158 χ^2/NDF: 120.4/102

- sign -57.509+/-30.216 χ^2/NDF: 47.0/51



Right In: 230.762+/-0.063 χ^2/NDF: 17641215.2/26

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 187.457+/-0.057 χ^2/NDF: 19673557.0/28

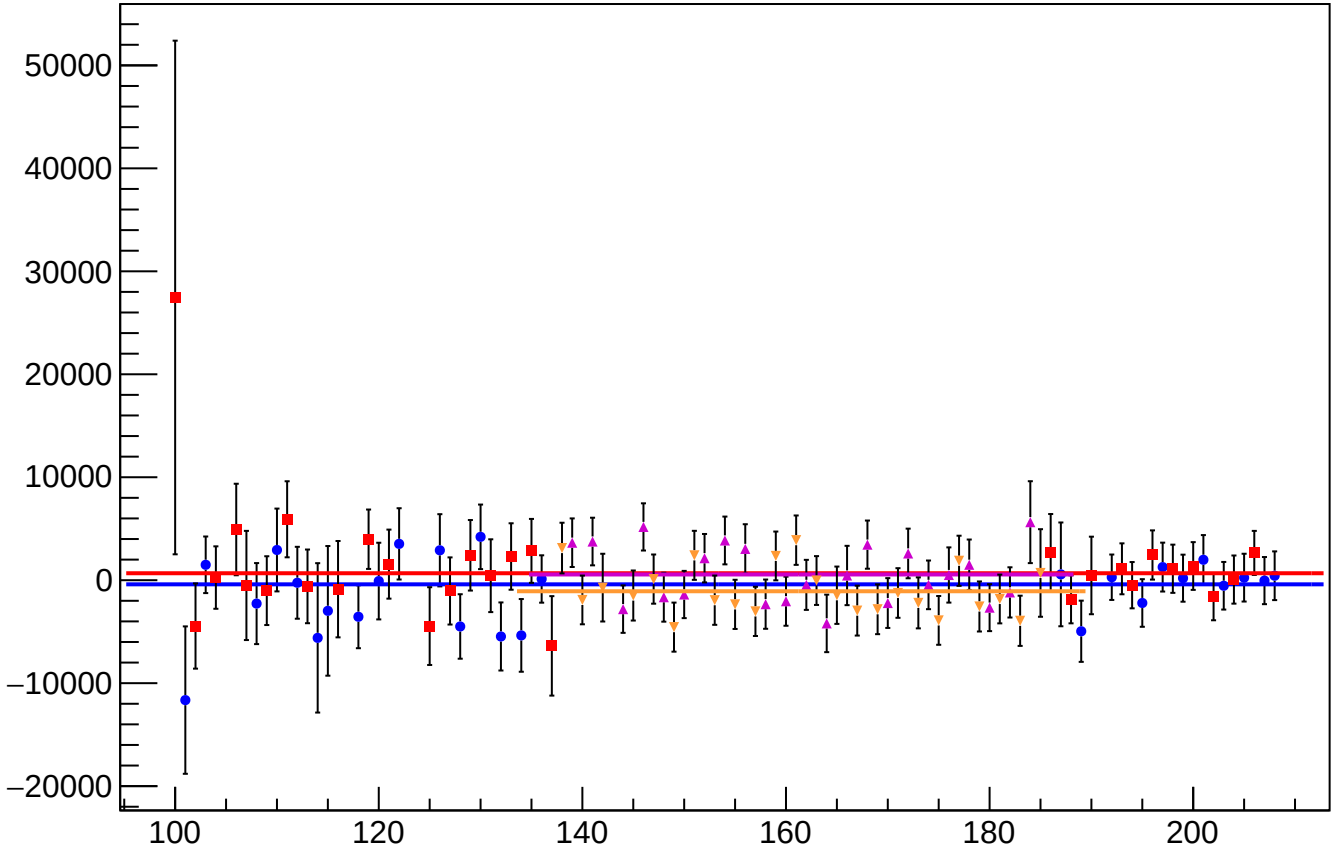
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 137.035+/-0.021 χ^2/NDF: 24045892.5/50

All: 137.669+/-0.015 χ^2/NDF: 47248413.1/10

- sign 138.328+/-0.021 χ^2/NDF: 23200653.9/51

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -400.586+/-564.023 χ^2/NDF: 20.9/26

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 676.761+/-563.636 χ^2/NDF: 17.2/28

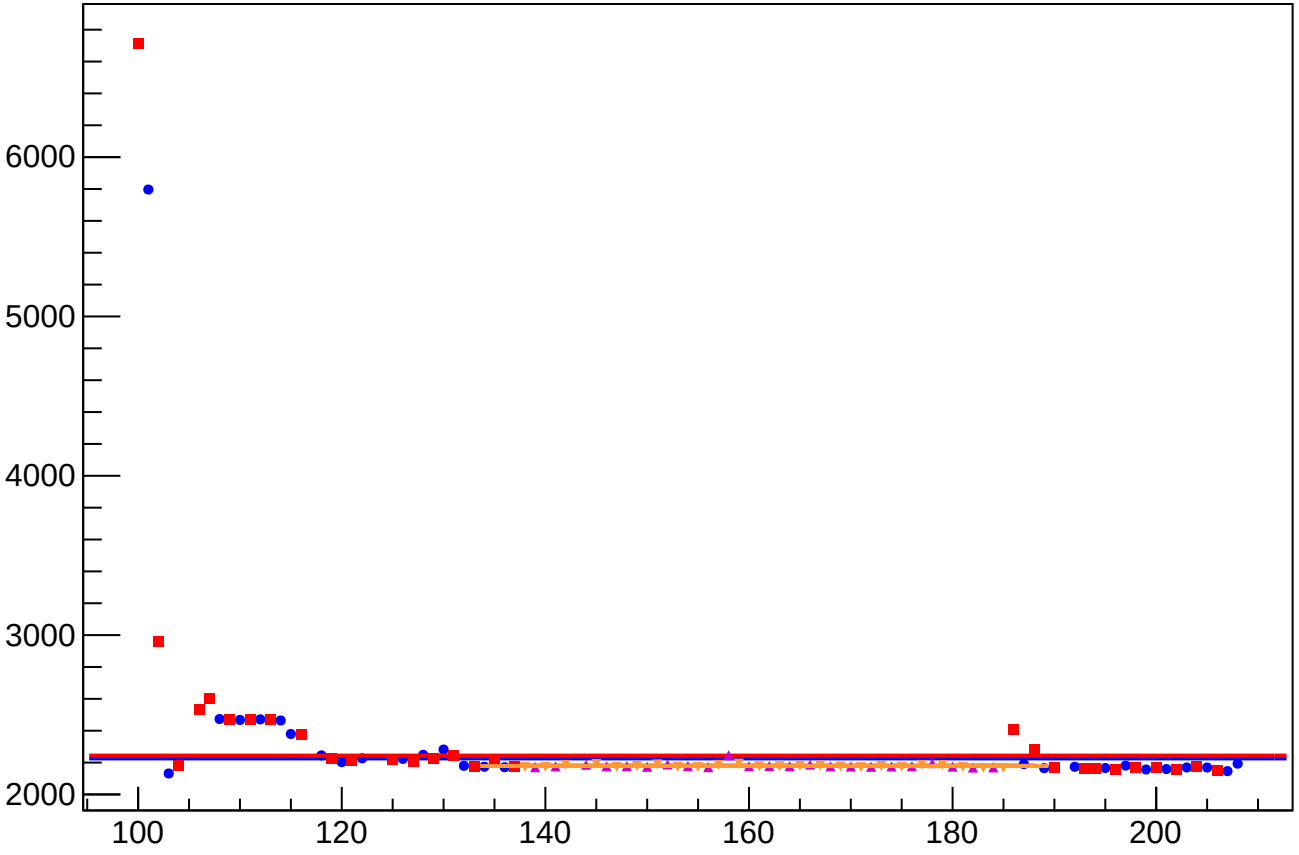
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -773.341+/-376.453 χ^2/NDF: 43.3/50

All: -83.794+/-266.683 χ^2/NDF: 95.9/102

- sign 610.864+/-377.845 χ^2/NDF: 45.9/51

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2226.096+/-0.399 χ^2/NDF: 544012.8/26

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

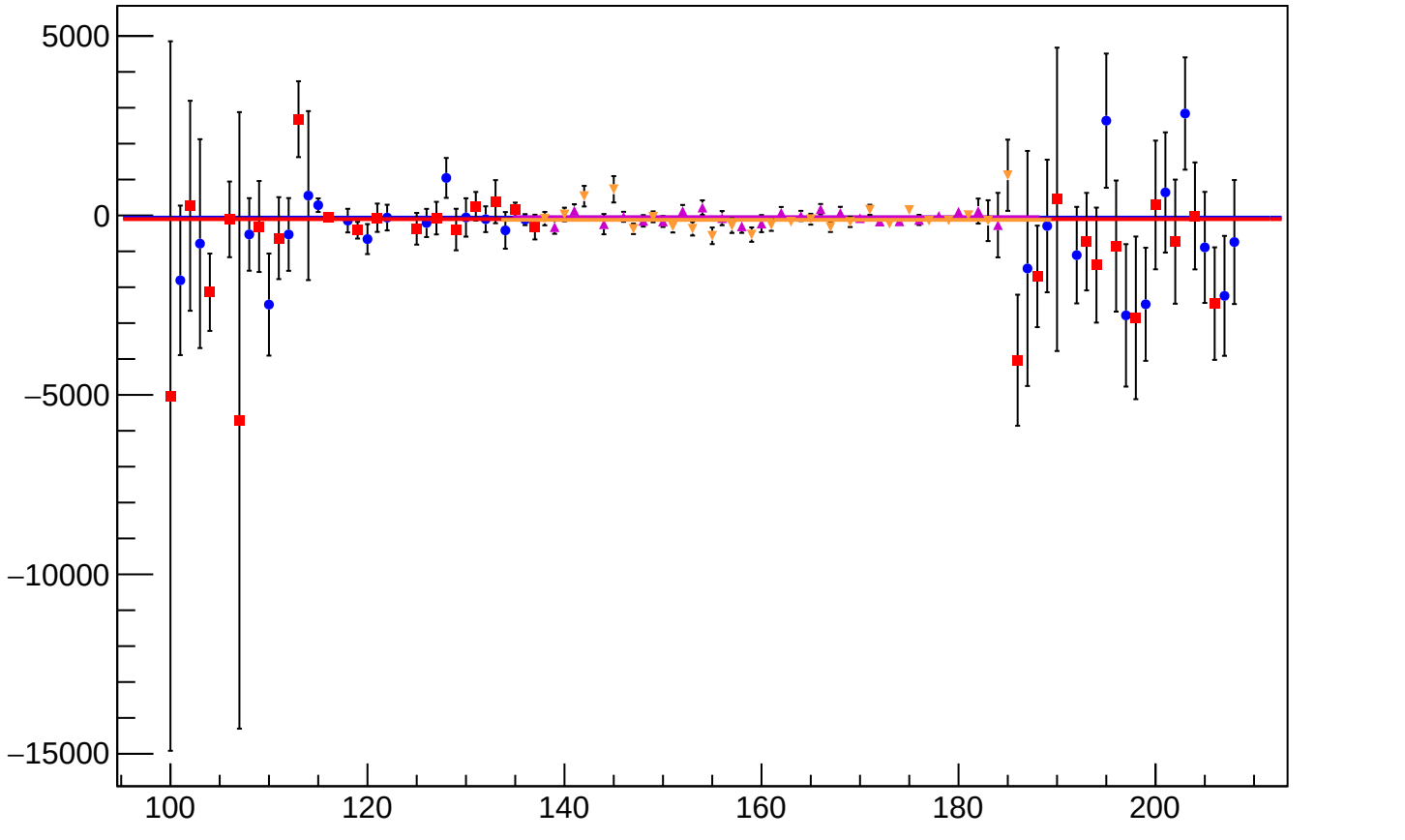
Right Out: 2243.865+/-0.399 χ^2/NDF: 195517.2/28

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2199.561+/-0.266 χ^2/NDF: 552384.6/50

All: 2204.366+/-0.189 χ^2/NDF: 764156.6/102

- sign 2209.207+/-0.267 χ^2/NDF: 211117.9/51



Right In: -61.088+/-89.540 χ^2/NDF: 27.3/26

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

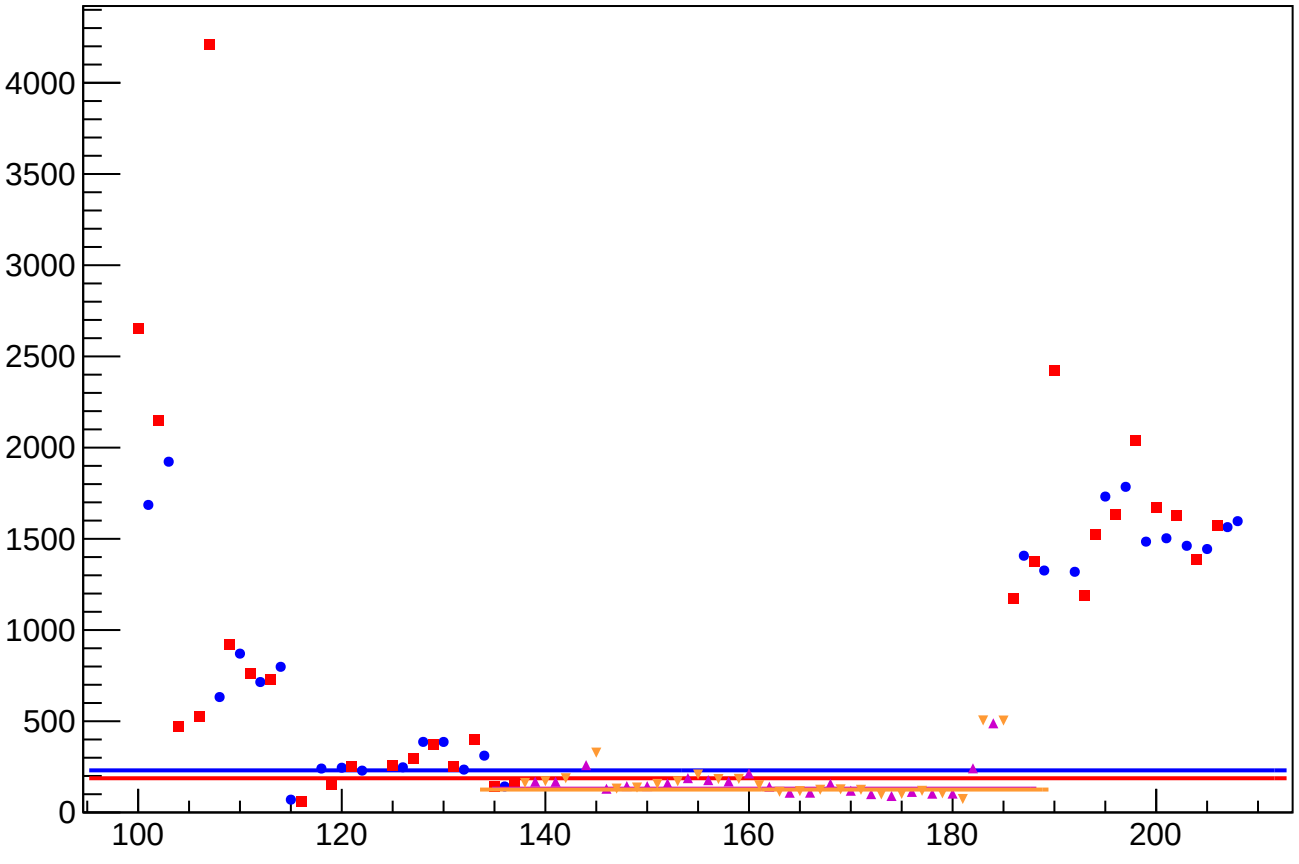
Right Out: -103.034+/-81.286 χ^2/NDF: 28.4/28

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

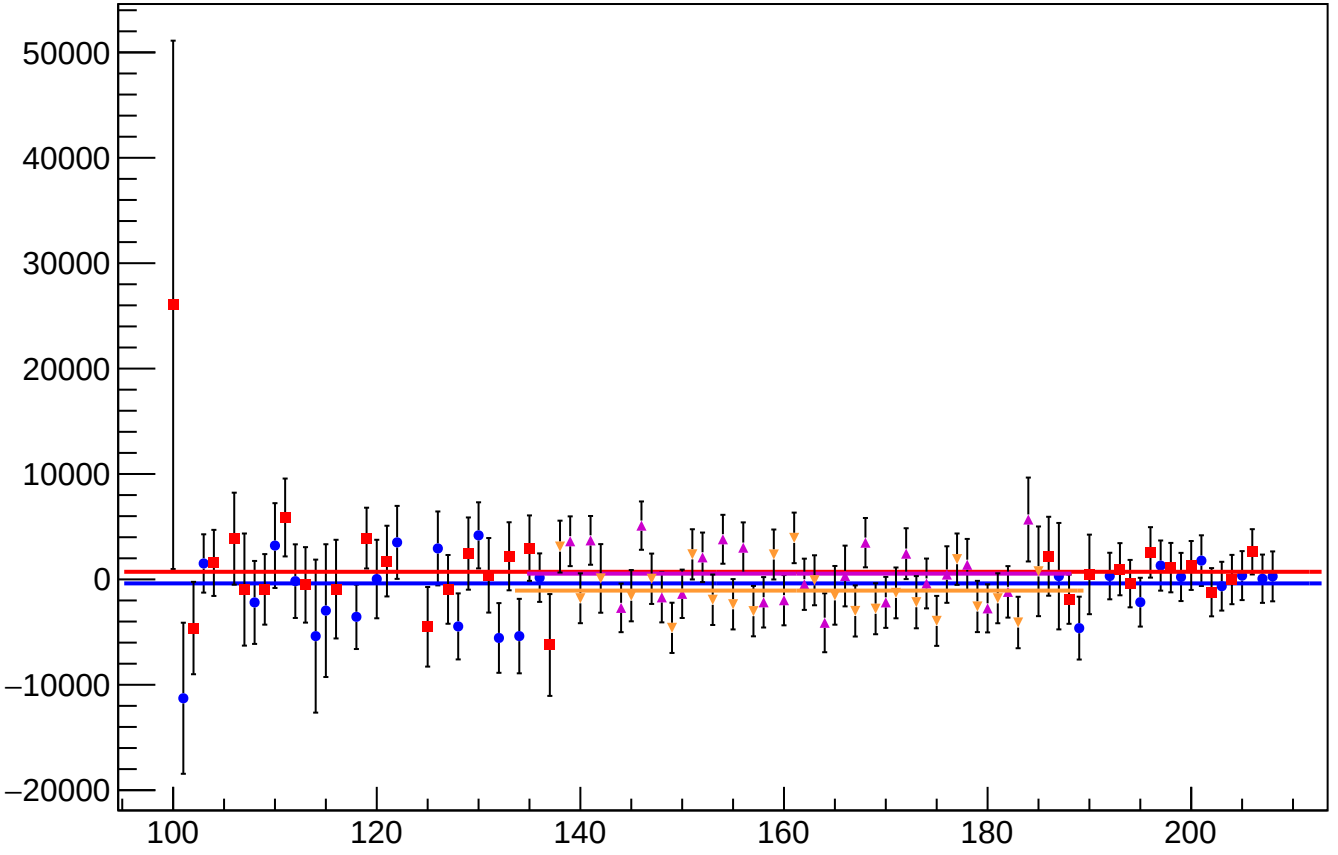
+ sign -116.153+/-29.638 χ^2/NDF: 71.5/50

All: -87.397+/-21.158 χ^2/NDF: 120.4/102

- sign -57.509+/-30.216 χ^2/NDF: 47.0/51


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 230.762+/-0.063 χ²/NDF: 17641215.2/26
Left Out: 125.503+/-0.022 χ²/NDF:3943570.9/23
Right Out: 187.457+/-0.057 χ²/NDF: 19673557.0/28
Left In: 130.451+/-0.023 χ²/NDF:2679365.4/22
+ sign 137.035+/-0.021 χ²/NDF: 24045892.5/50
All: 137.669+/-0.015 χ²/NDF: 47248413.1/10
- sign 138.328+/-0.021 χ²/NDF: 23200653.9/51

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -380.600+/-564.672 χ^2/NDF: 20.3/26

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 720.110+/-565.300 χ^2/NDF: 16.1/28

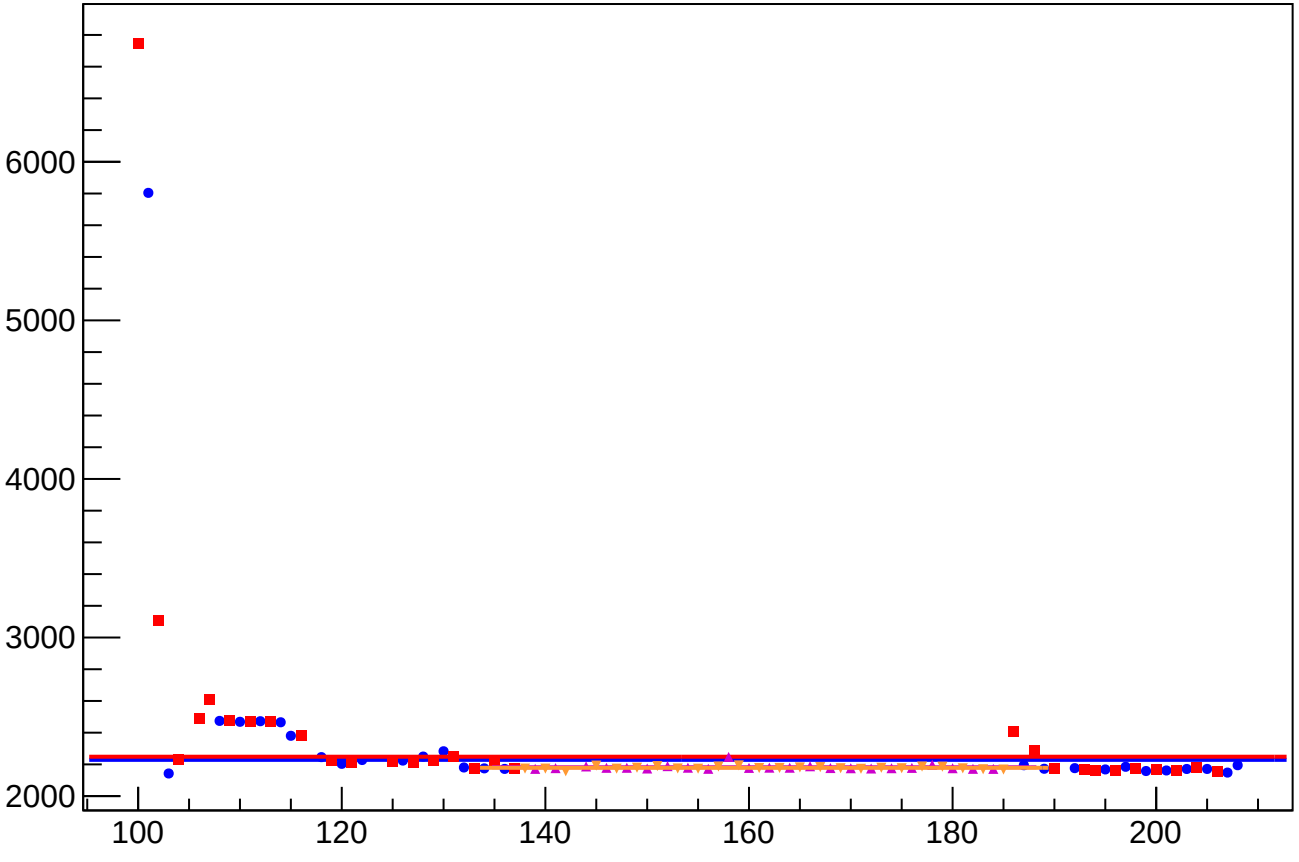
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -758.984+/-376.683 χ^2/NDF: 43.0/50

All: -71.169+/-266.973 χ^2/NDF: 93.8/102

- sign 623.069+/-378.438 χ^2/NDF: 44.1/51

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2228.558+/-0.399 χ^2/NDF: 543306.7/26

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

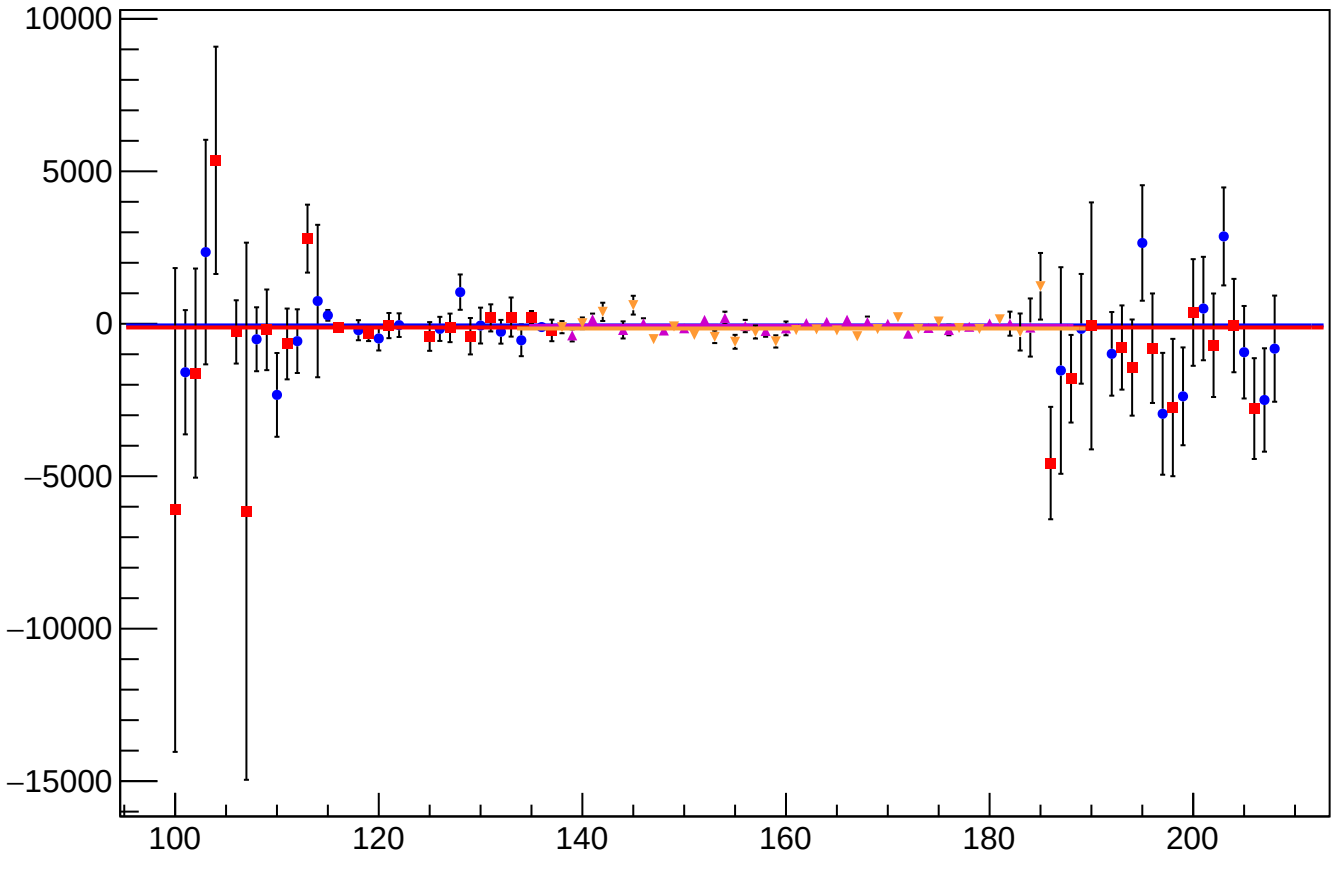
Right Out: 2248.333+/-0.400 χ^2/NDF: 210858.4/28

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2200.777+/-0.266 χ^2/NDF: 552484.8/50

All: 2206.195+/-0.189 χ^2/NDF: 781263.1/102

- sign 2211.663+/-0.268 χ^2/NDF: 227947.1/51



Right In: -54.579+/-90.986 χ^2/NDF: 27.0/26

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: -121.291+/-84.919 χ^2/NDF: 27.5/28

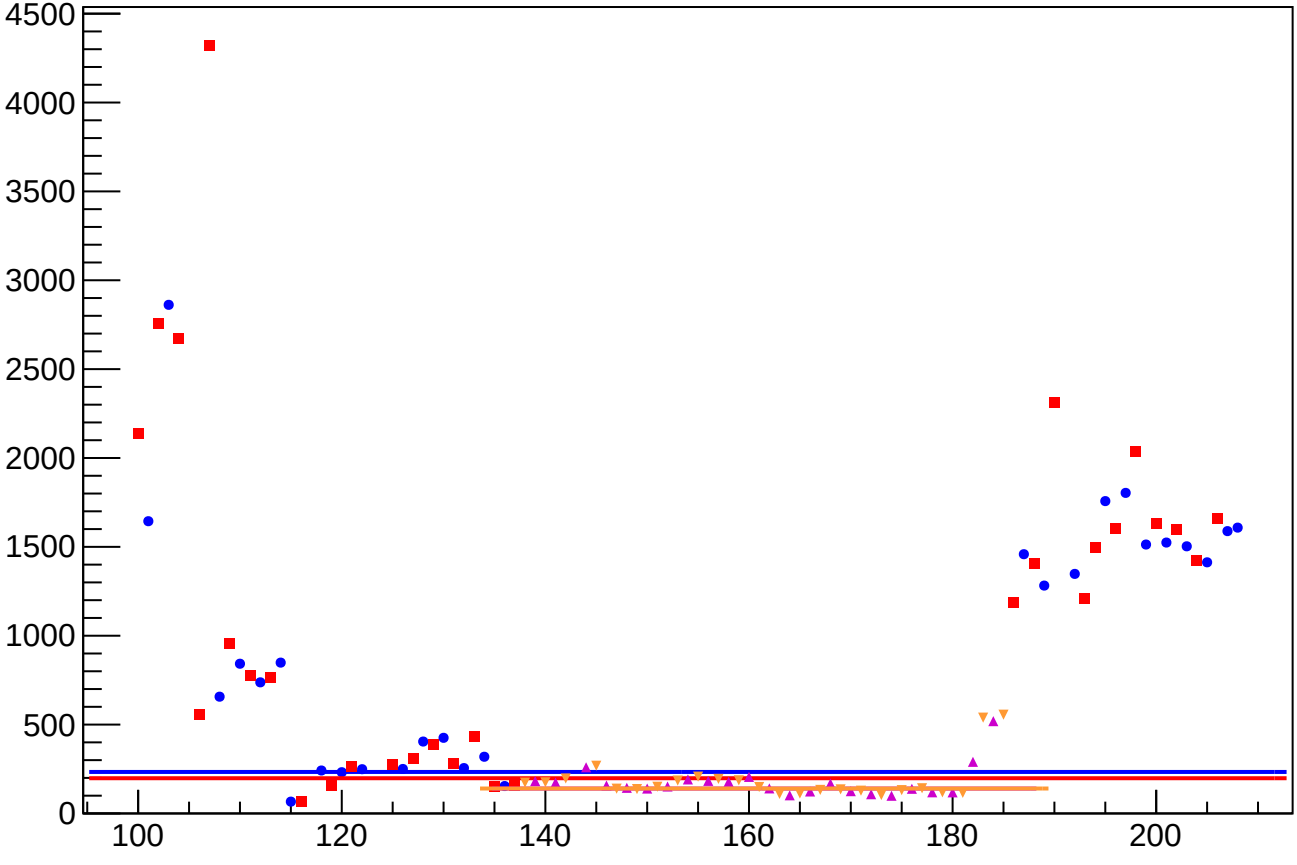
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -142.416+/-31.899 χ^2/NDF: 75.4/50

All: -109.673+/-22.495 χ^2/NDF: 124.2/102

- sign -77.281+/-31.727 χ^2/NDF: 46.8/51

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 233.526+/-0.064 χ^2/NDF: 18200370.2/26

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 198.184+/-0.060 χ^2/NDF: 20487936.1/28

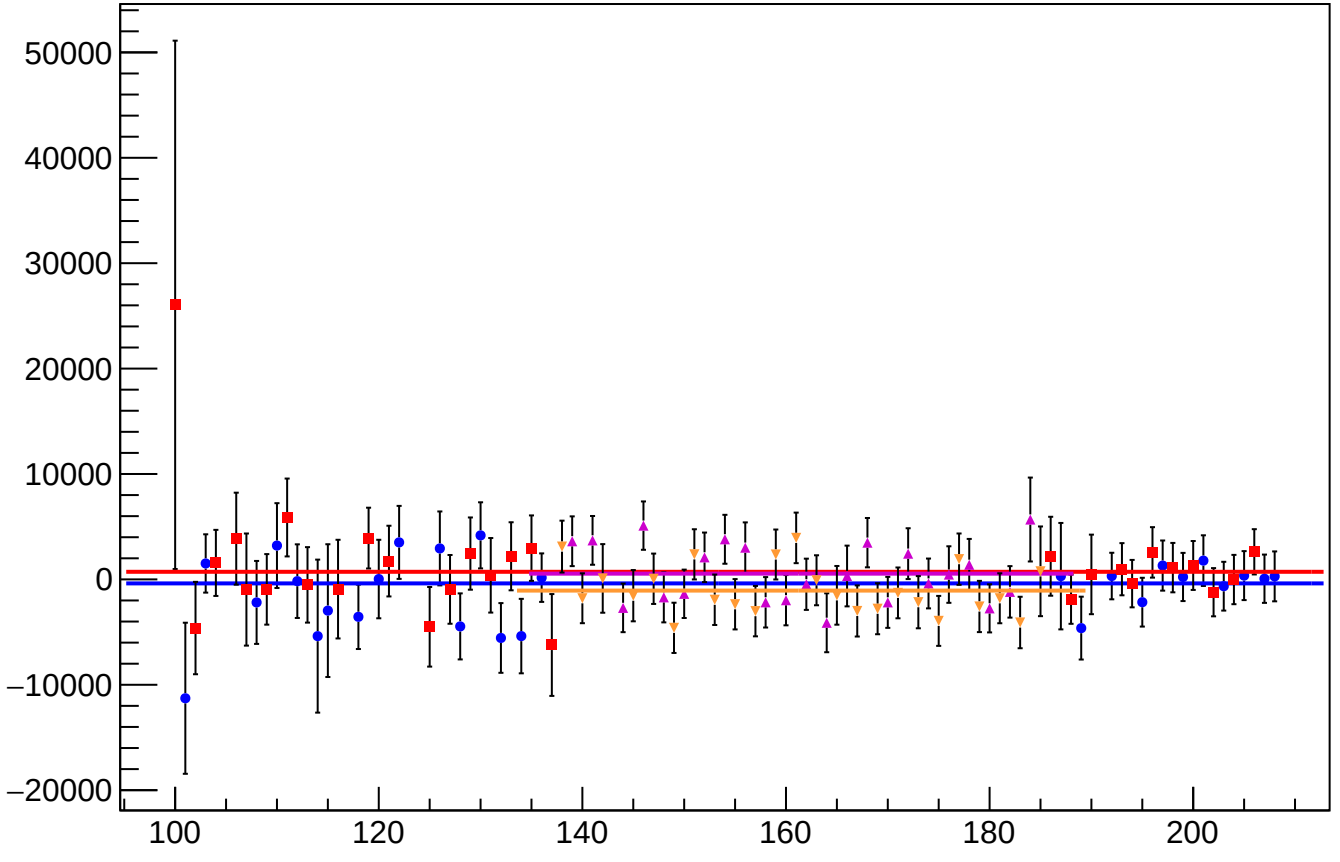
Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 151.775+/-0.023 χ^2/NDF: 22801524.9/50

All: 149.929+/-0.016 χ^2/NDF: 46523676.4/10

- sign 148.103+/-0.022 χ^2/NDF: 23708831.5/51

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -380.602+/-564.672 χ^2/NDF: 20.3/26

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 720.108+/-565.300 χ^2/NDF: 16.1/28

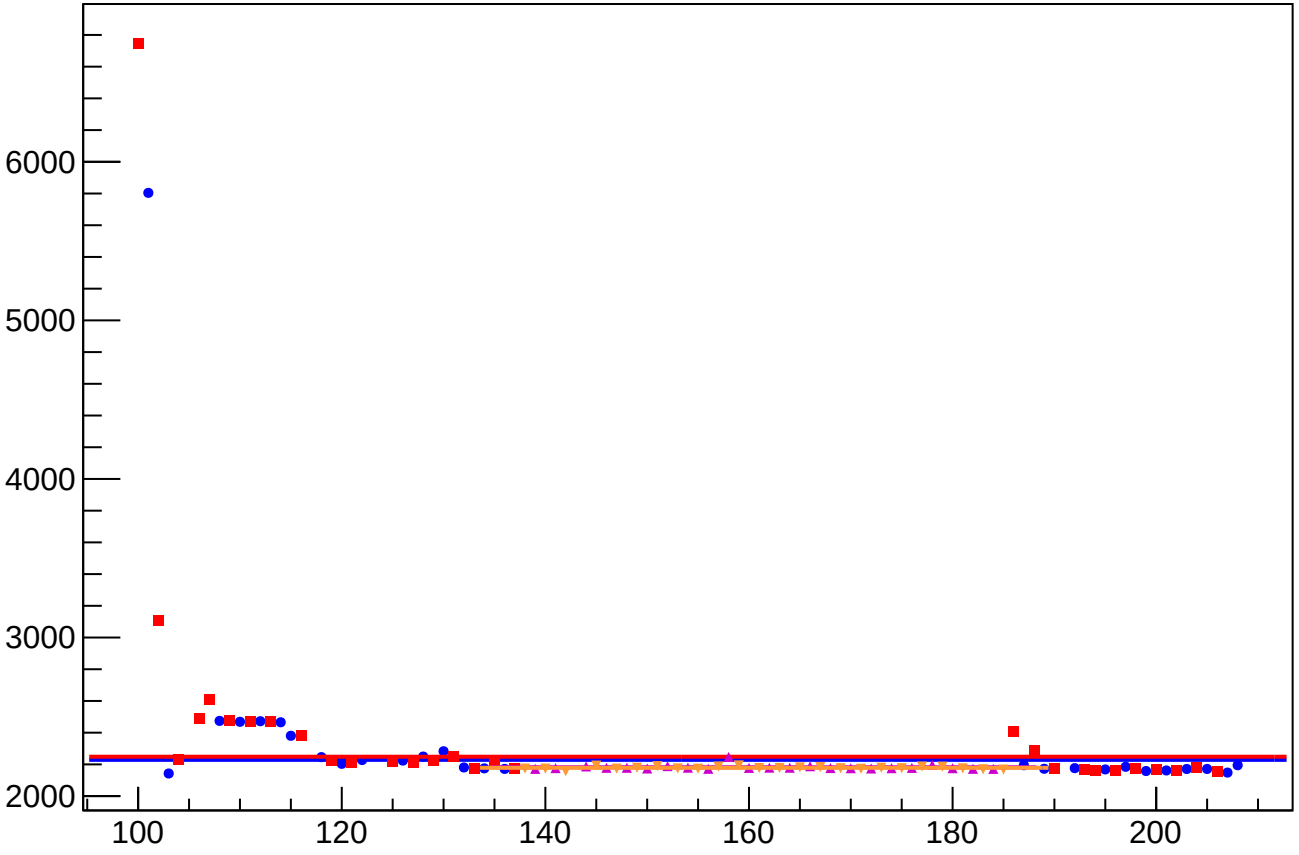
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -758.985+/-376.683 χ^2/NDF: 43.0/50

All: -71.170+/-266.973 χ^2/NDF: 93.8/102

- sign 623.067+/-378.438 χ^2/NDF: 44.1/51

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2228.558+/-0.399 χ^2/NDF: 543306.7/26

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

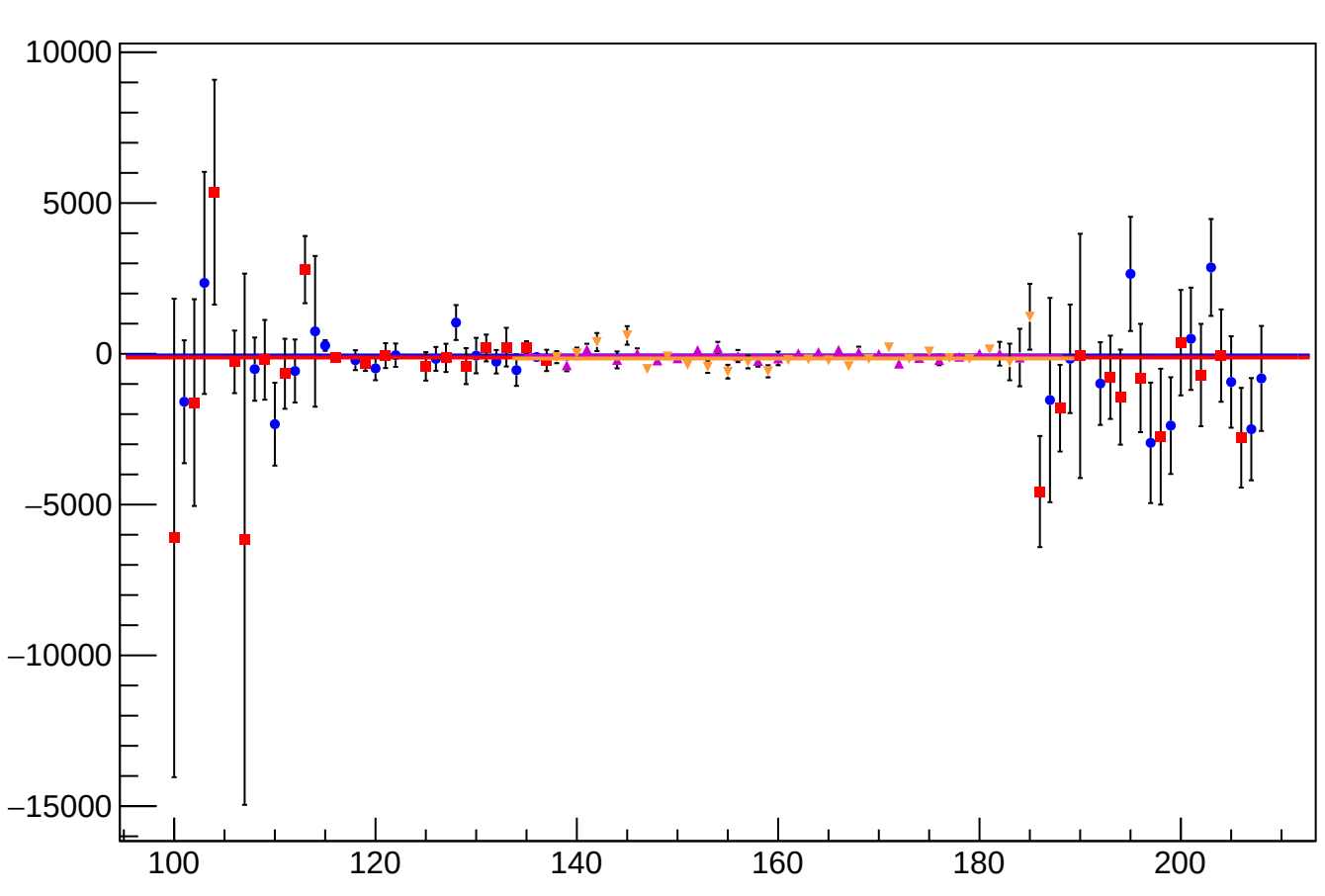
Right Out: 2248.333+/-0.400 χ^2/NDF: 210858.3/28

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2200.777+/-0.266 χ^2/NDF: 552484.8/50

All: 2206.195+/-0.189 χ^2/NDF: 781263.0/102

- sign 2211.663+/-0.268 χ^2/NDF: 227947.0/51



Right In: -54.576+/-90.985 χ^2/NDF: 27.0/26

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

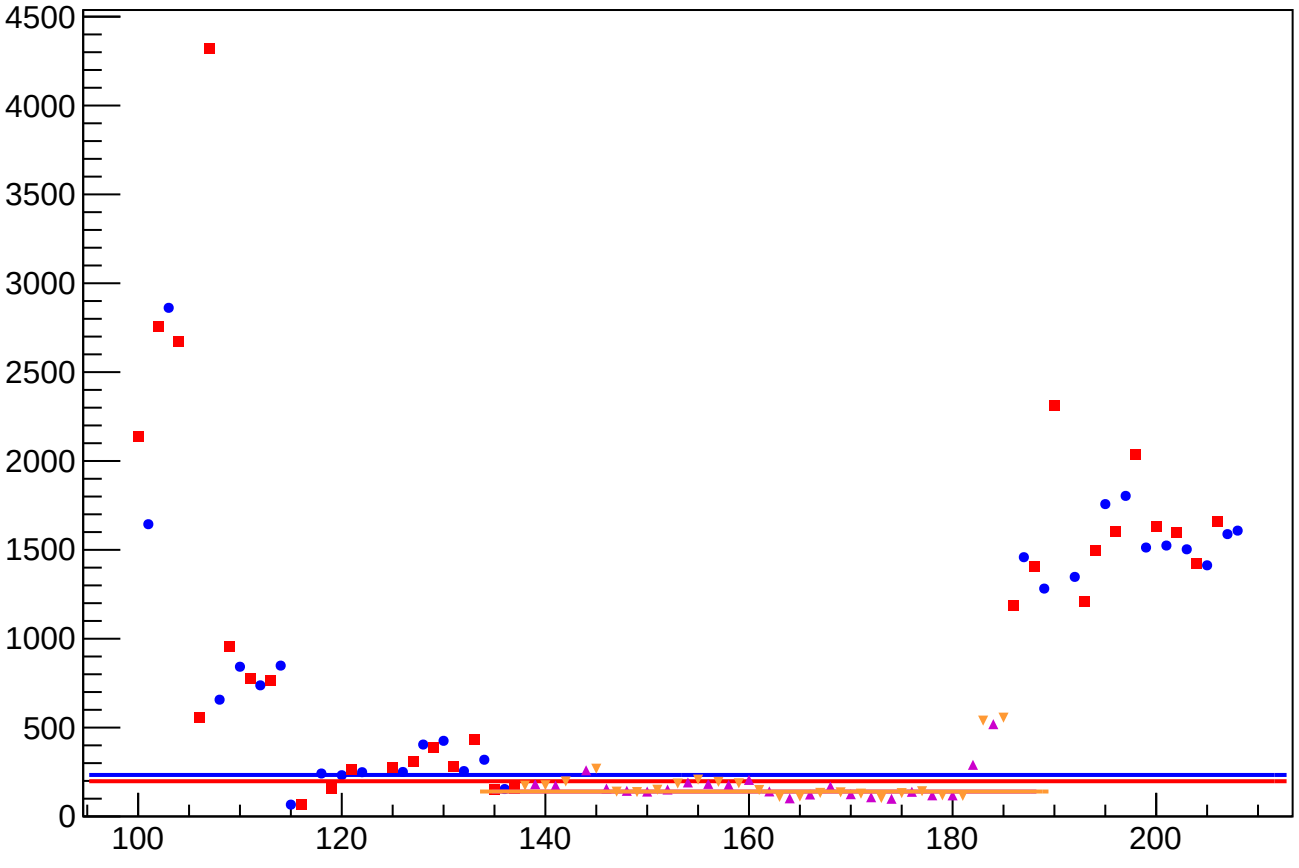
Right Out: -121.291+/-84.918 χ^2/NDF: 27.5/28

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

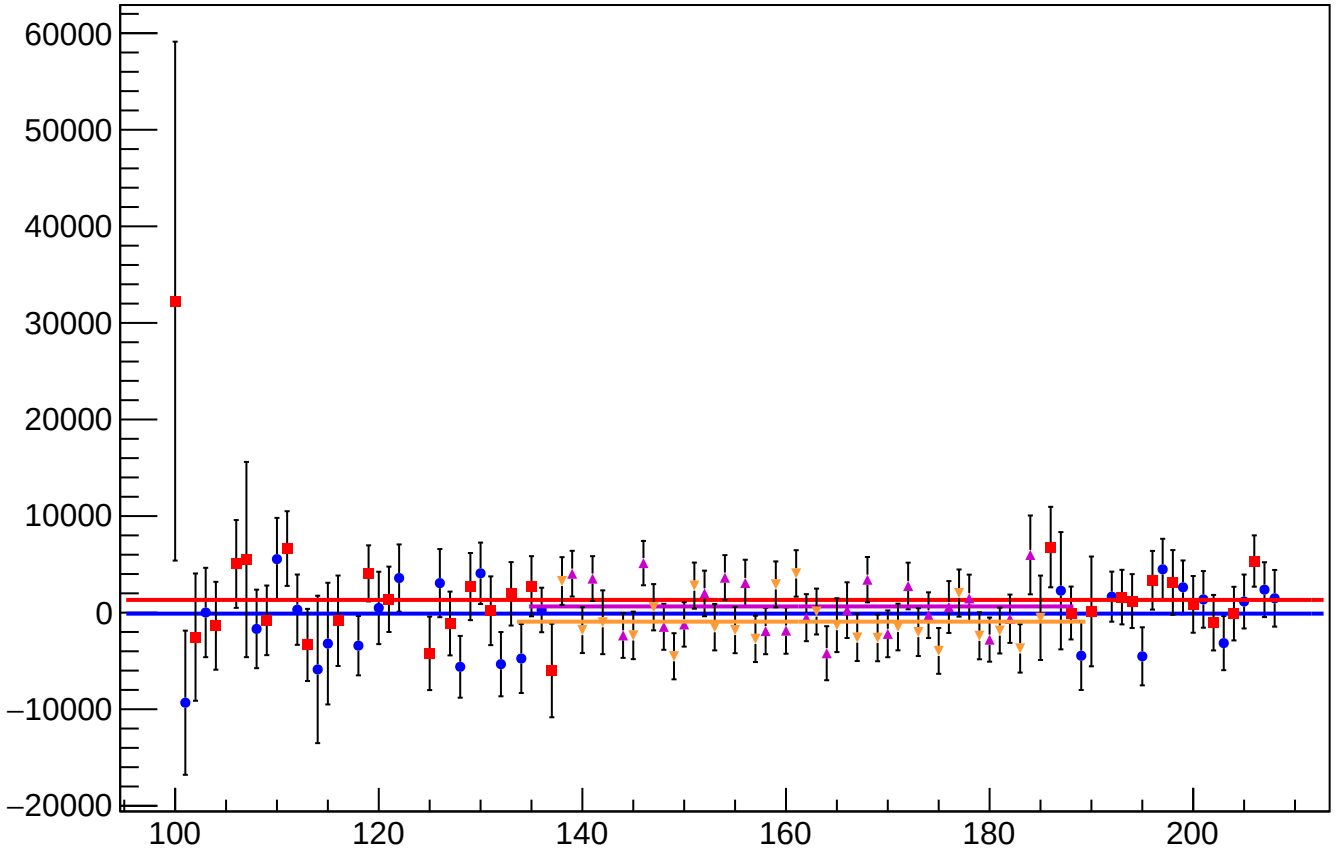
+ sign -142.416+/-31.899 χ^2/NDF: 75.4/50

All: -109.673+/-22.495 χ^2/NDF: 124.2/102

- sign -77.281+/-31.727 χ^2/NDF: 46.8/51


asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 233.523+/-0.064 χ²/NDF: 18200465.0/26
Left Out: 140.319+/-0.024 χ²/NDF:2760280.2/23
Right Out: 198.181+/-0.060 χ²/NDF: 20488051.0/28
Left In: 139.979+/-0.024 χ²/NDF:2412509.5/22
+ sign 151.775+/-0.023 χ²/NDF: 22801510.6/50
All: 149.929+/-0.016 χ²/NDF: 46523759.9/10
- sign 148.103+/-0.022 χ²/NDF: 23708927.3/51

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -100.996+/-645.667 χ^2/NDF: 26.3/26

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 1318.423+/-653.574 χ^2/NDF: 19.2/28

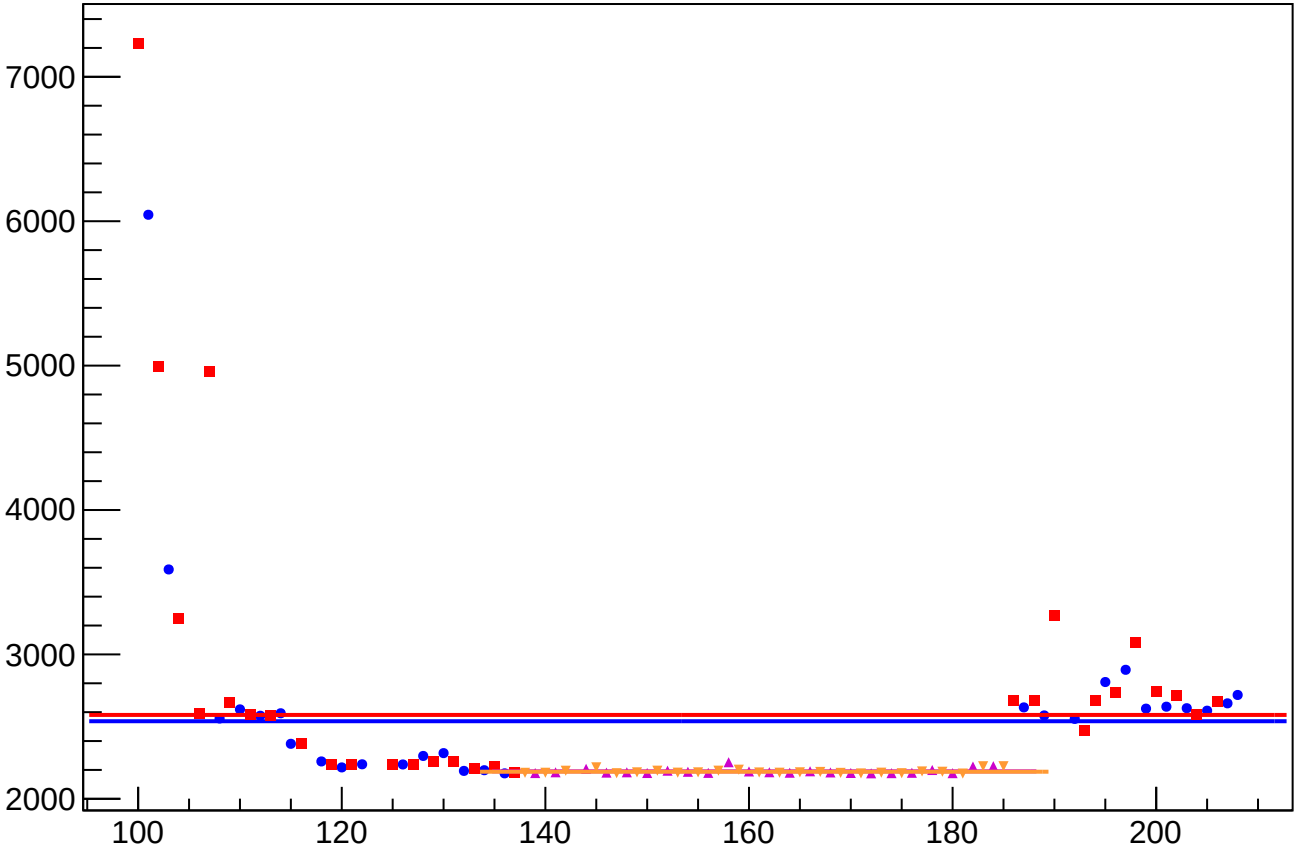
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -614.490+/-399.105 χ^2/NDF: 49.7/50

All: 135.552+/-283.488 χ^2/NDF: 103.7/102

- sign 899.334+/-402.744 χ^2/NDF: 46.9/51

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2537.248+/-0.457 χ^2/NDF: 778602.4/26

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

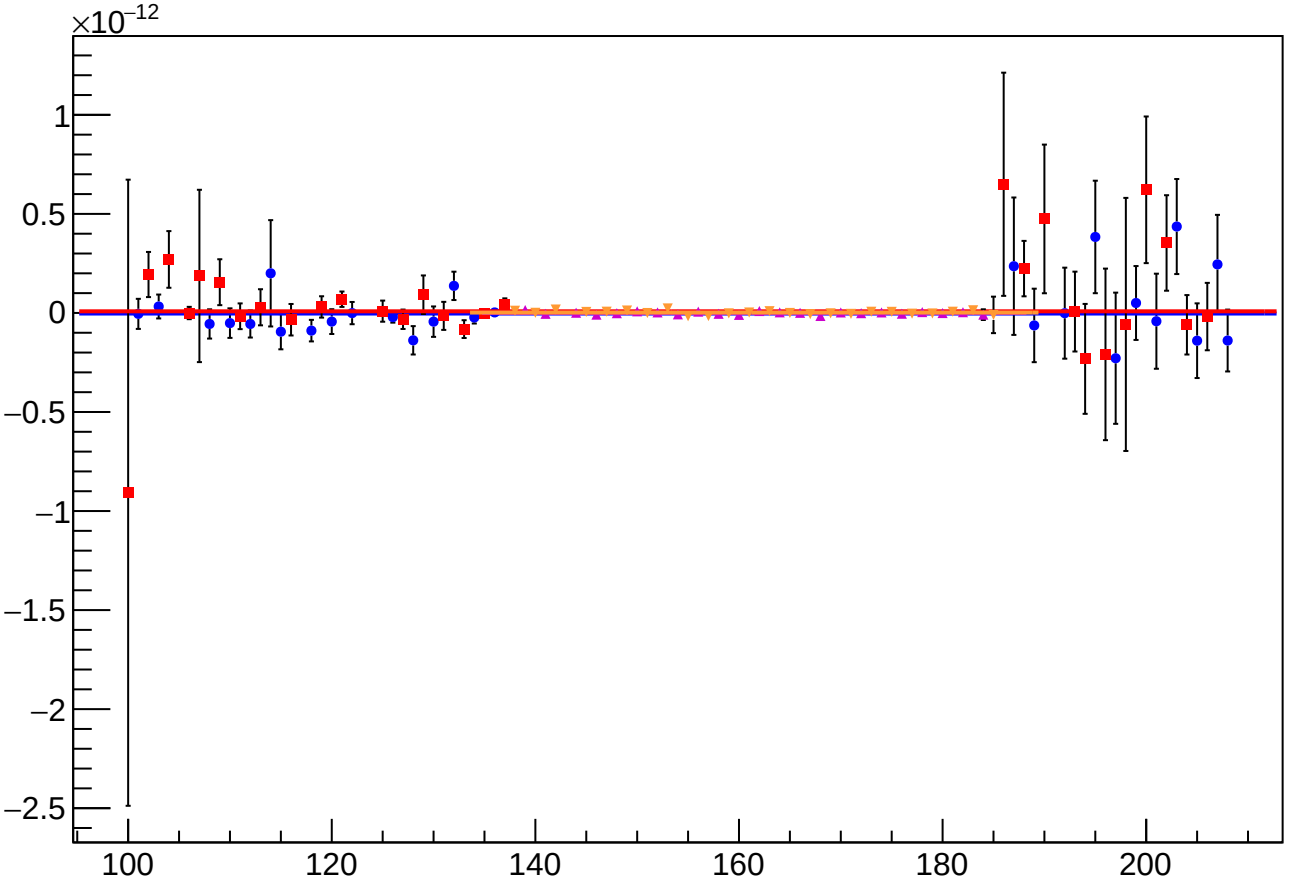
Right Out: 2580.869+/-0.462 χ^2/NDF: 774376.8/28

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2321.206+/-0.282 χ^2/NDF: 1142318.0/50

All: 2329.787+/-0.200 χ^2/NDF: 2364432.8/10

- sign 2338.524+/-0.285 χ^2/NDF: 1220249.0/51



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

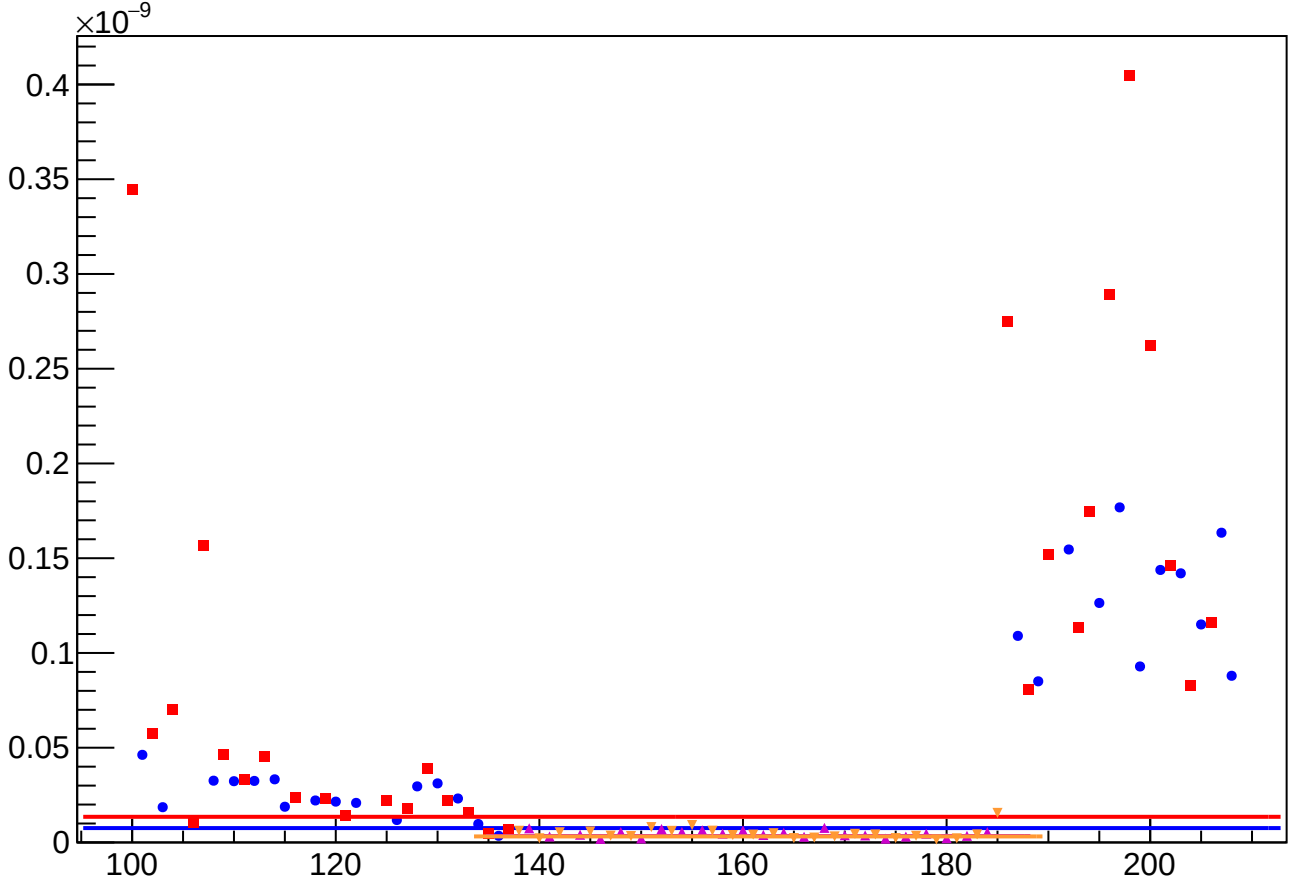
Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/28

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/50

All: 0.000+/-0.000 χ^2/NDF: 88.7/102

- sign 0.000+/-0.000 χ^2/NDF: 44.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 8764282.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

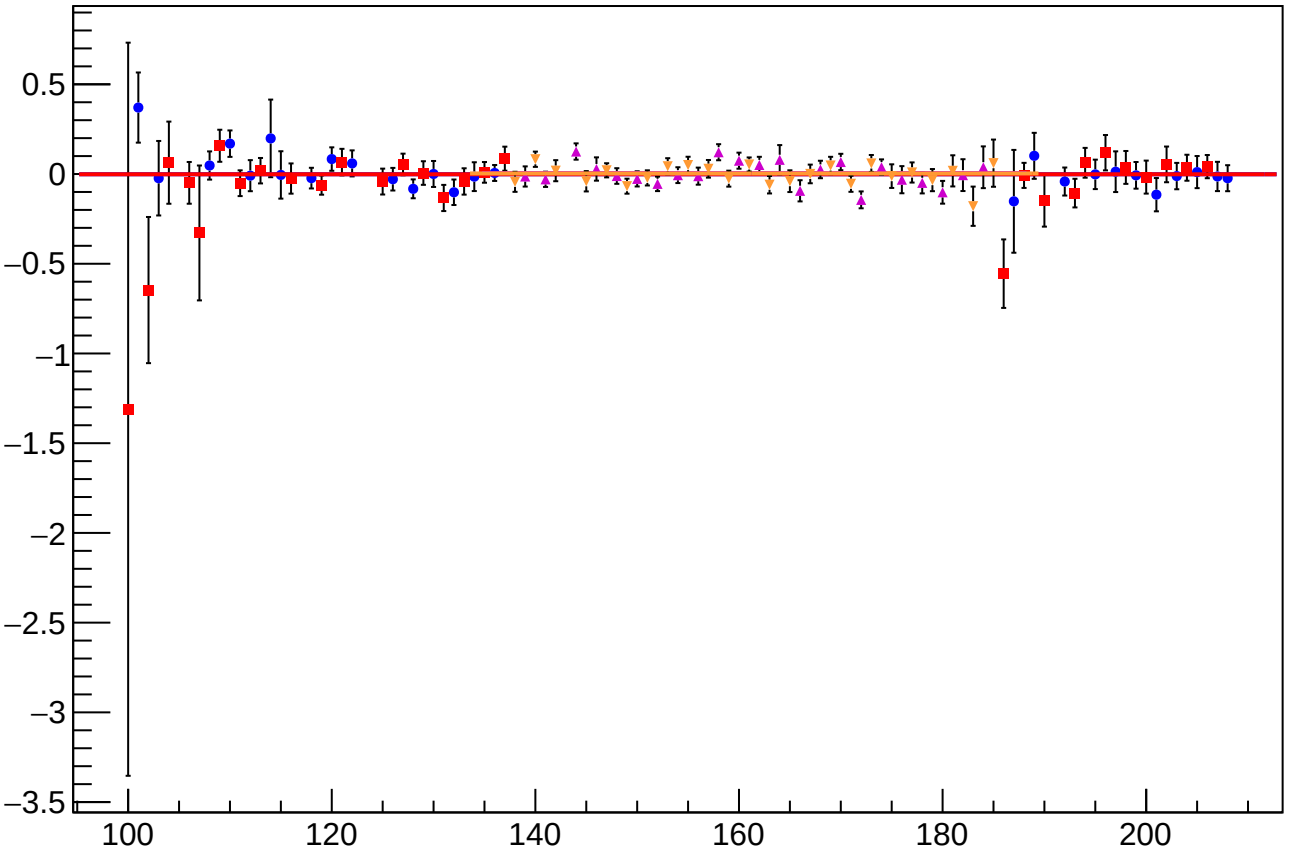
Right Out: 0.000+/-0.000 χ^2/NDF: 9347056.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11764982.7/50

All: 0.000+/-0.000 χ^2/NDF: 24983755.7/102

- sign 0.000+/-0.000 χ^2/NDF: 13190850.9/51



Right In: -0.001+/-0.015 χ^2/NDF: 20.3/26

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

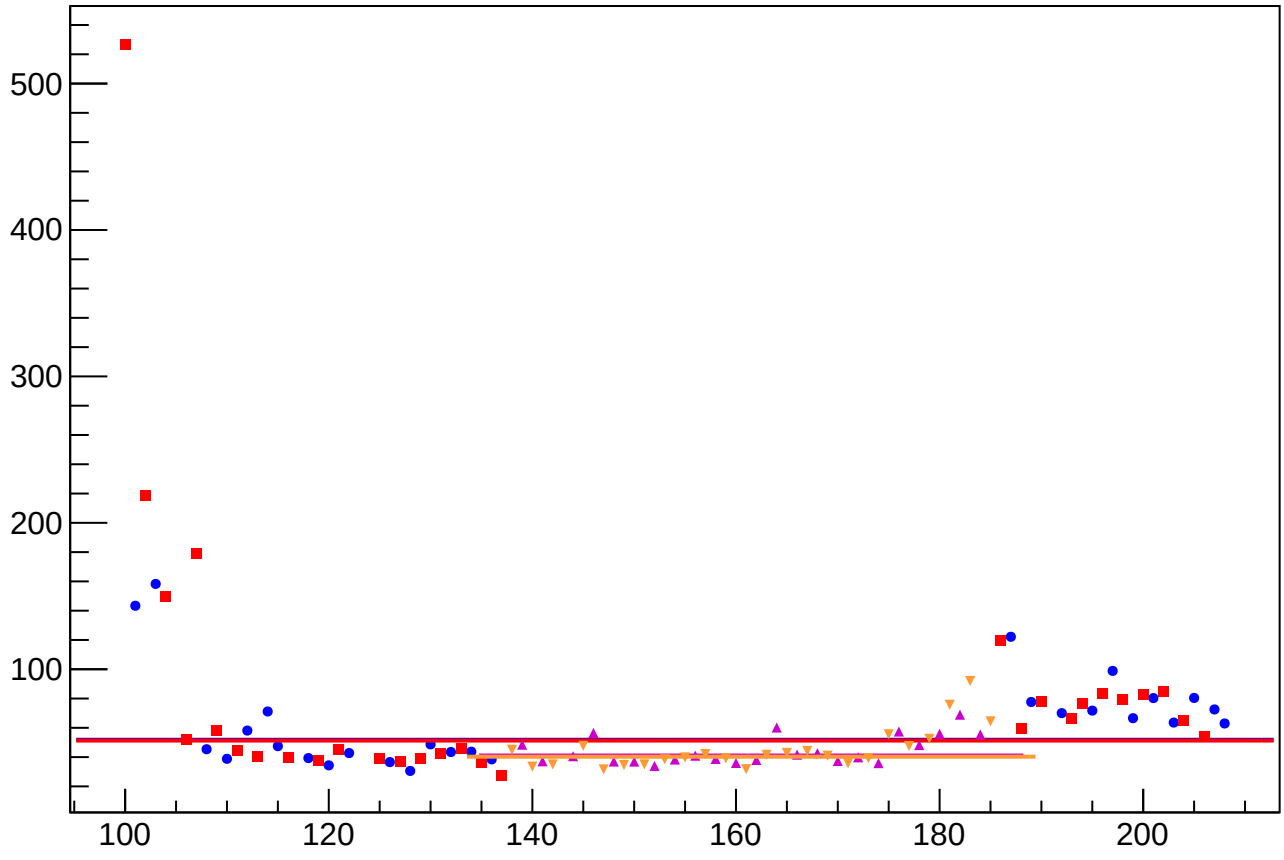
Right Out: -0.001+/-0.015 χ^2/NDF: 30.7/28

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.2/50

All: 0.002+/-0.006 χ^2/NDF: 114.5/102

- sign 0.003+/-0.009 χ^2/NDF: 72.3/51



Right In: 51.832+/-0.011 χ^2/NDF: 3485870.6/26

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

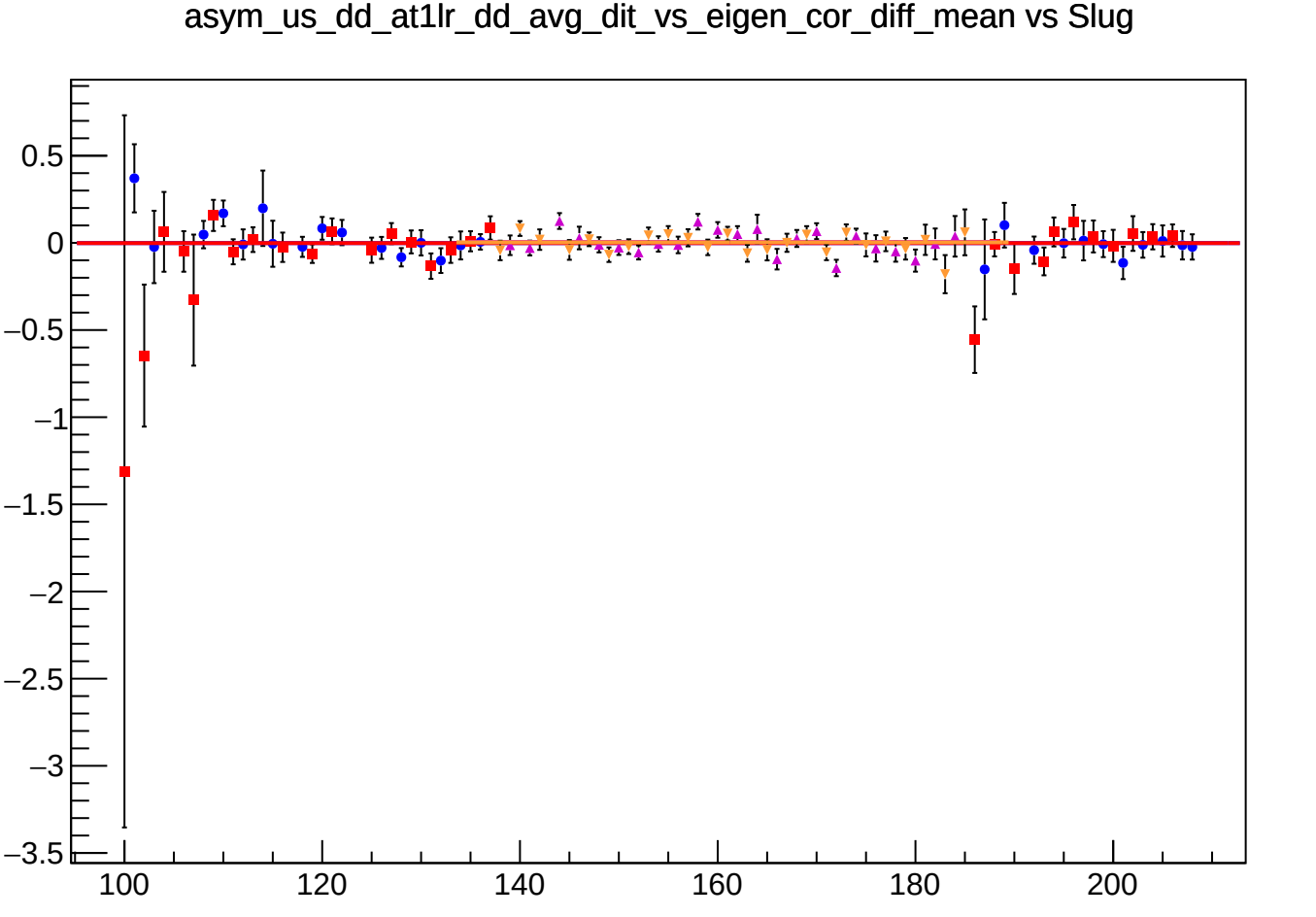
Right Out: 51.302+/-0.011 χ^2/NDF: 3522572.6/28

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 43.994+/-0.006 χ^2/NDF: 5773868.4/50

All: 44.204+/-0.004 χ^2/NDF: 10837337.8/102

- sign 44.420+/-0.006 χ^2/NDF: 5061021.2/51



Right In: -0.001+/-0.015 χ^2/NDF: 20.3/26

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

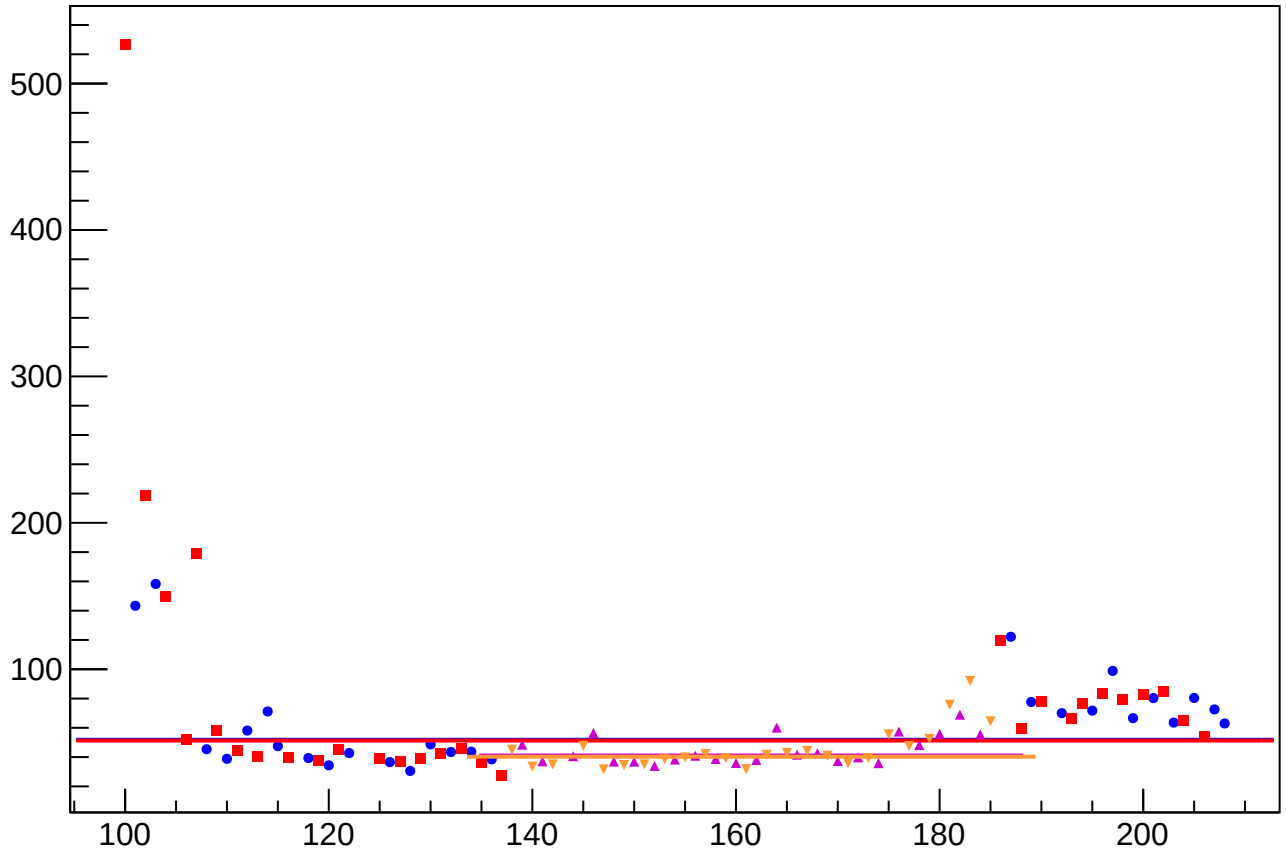
Right Out: -0.001+/-0.015 χ^2/NDF: 30.7/28

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.2/50

All: 0.002+/-0.006 χ^2/NDF: 114.5/102

- sign 0.003+/-0.009 χ^2/NDF: 72.3/51



Right In: 51.832+/-0.011 χ^2/NDF: 3485870.6/26

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

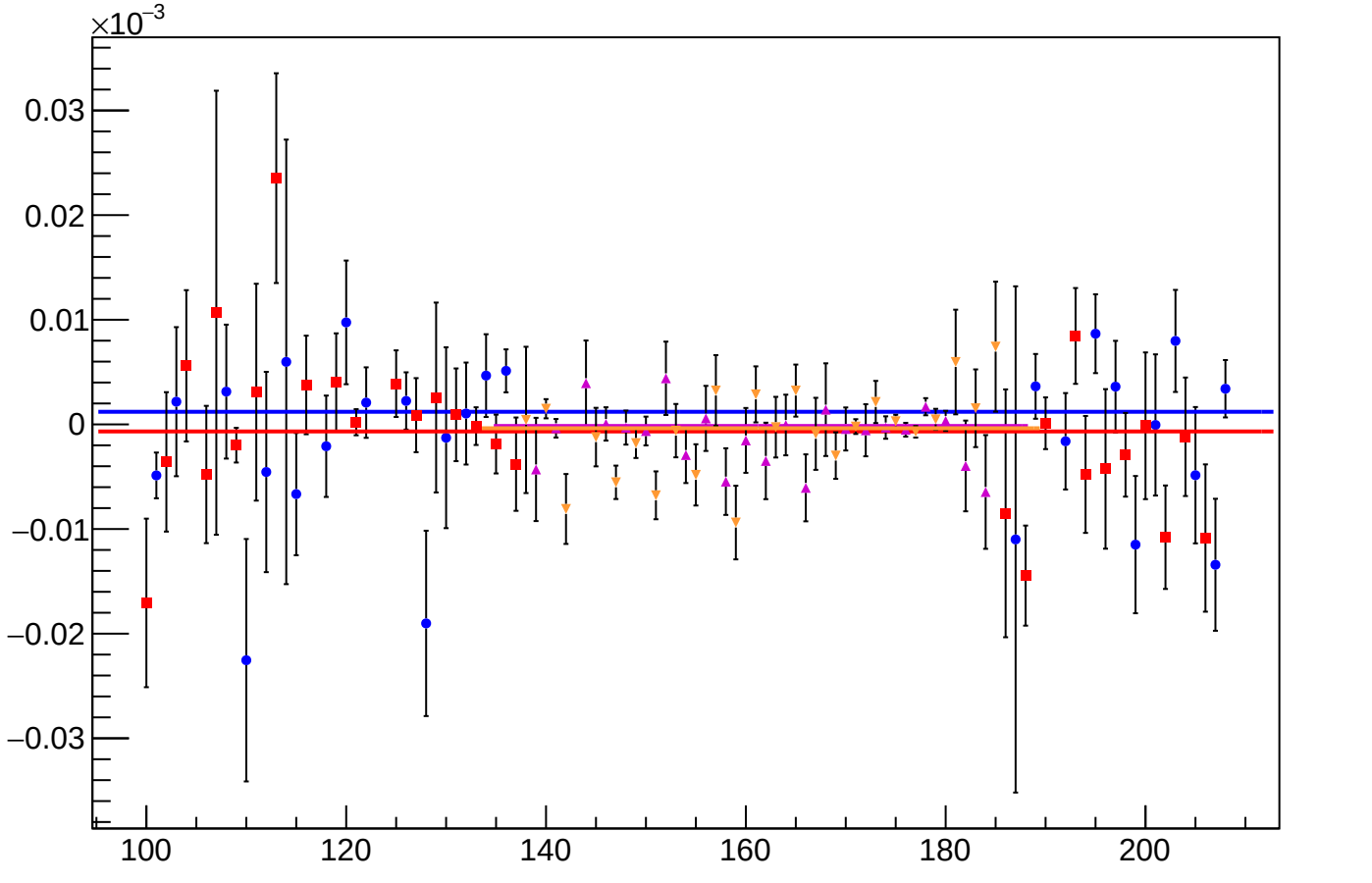
Right Out: 51.302+/-0.011 χ^2/NDF: 3522572.6/28

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 43.994+/-0.006 χ^2/NDF: 5773868.4/50

All: 44.204+/-0.004 χ^2/NDF: 10837337.8/102

- sign 44.420+/-0.006 χ^2/NDF: 5061021.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 44.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

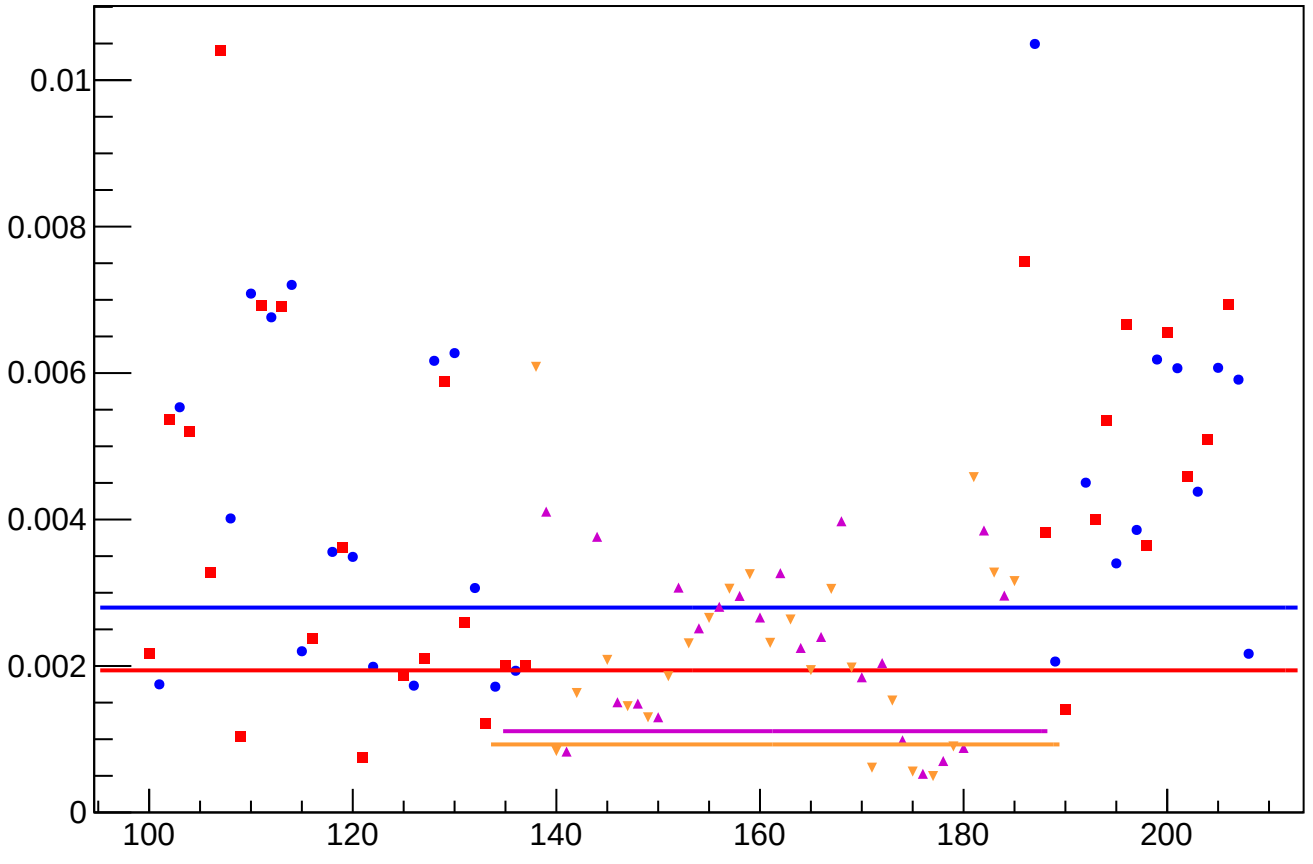
Right Out: -0.000+/-0.000 χ^2/NDF: 38.2/28

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 99.3/50

All: -0.000+/-0.000 χ^2/NDF: 157.9/102

- sign -0.000+/-0.000 χ^2/NDF: 58.6/51



Right In: 0.003+/-0.000 χ^2/NDF: 6239011.4/26

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

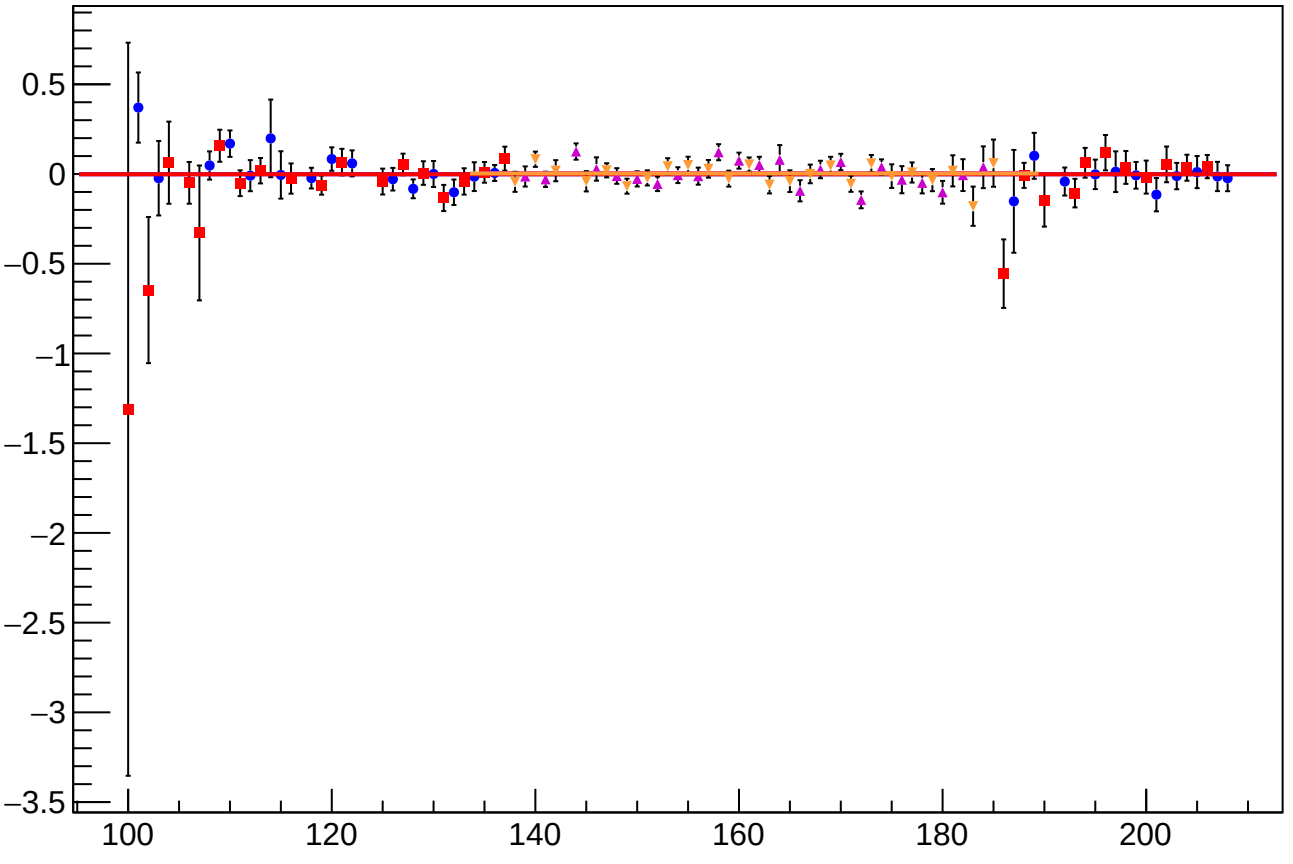
Right Out: 0.002+/-0.000 χ^2/NDF: 11914886.1/28

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 28252012.5/50

All: 0.001+/-0.000 χ^2/NDF: 54058976.5/102

- sign 0.001+/-0.000 χ^2/NDF: 25514352.1/51



Right In: -0.001+/-0.015 χ^2/NDF: 20.3/26

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

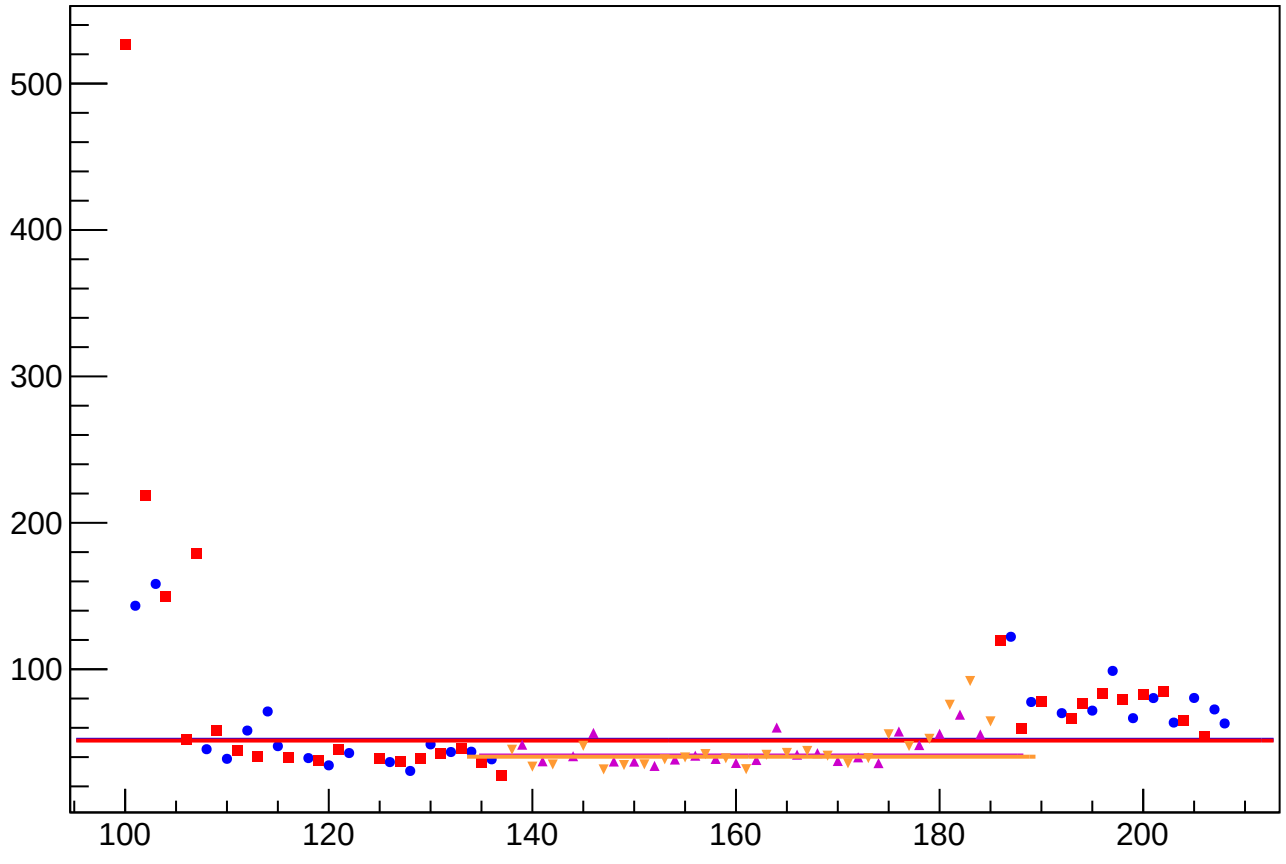
Right Out: -0.001+/-0.015 χ^2/NDF: 30.7/28

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.2/50

All: 0.002+/-0.006 χ^2/NDF: 114.5/102

- sign 0.003+/-0.009 χ^2/NDF: 72.3/51



Right In: 51.830+/-0.011 χ^2/NDF: 3486460.6/26

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

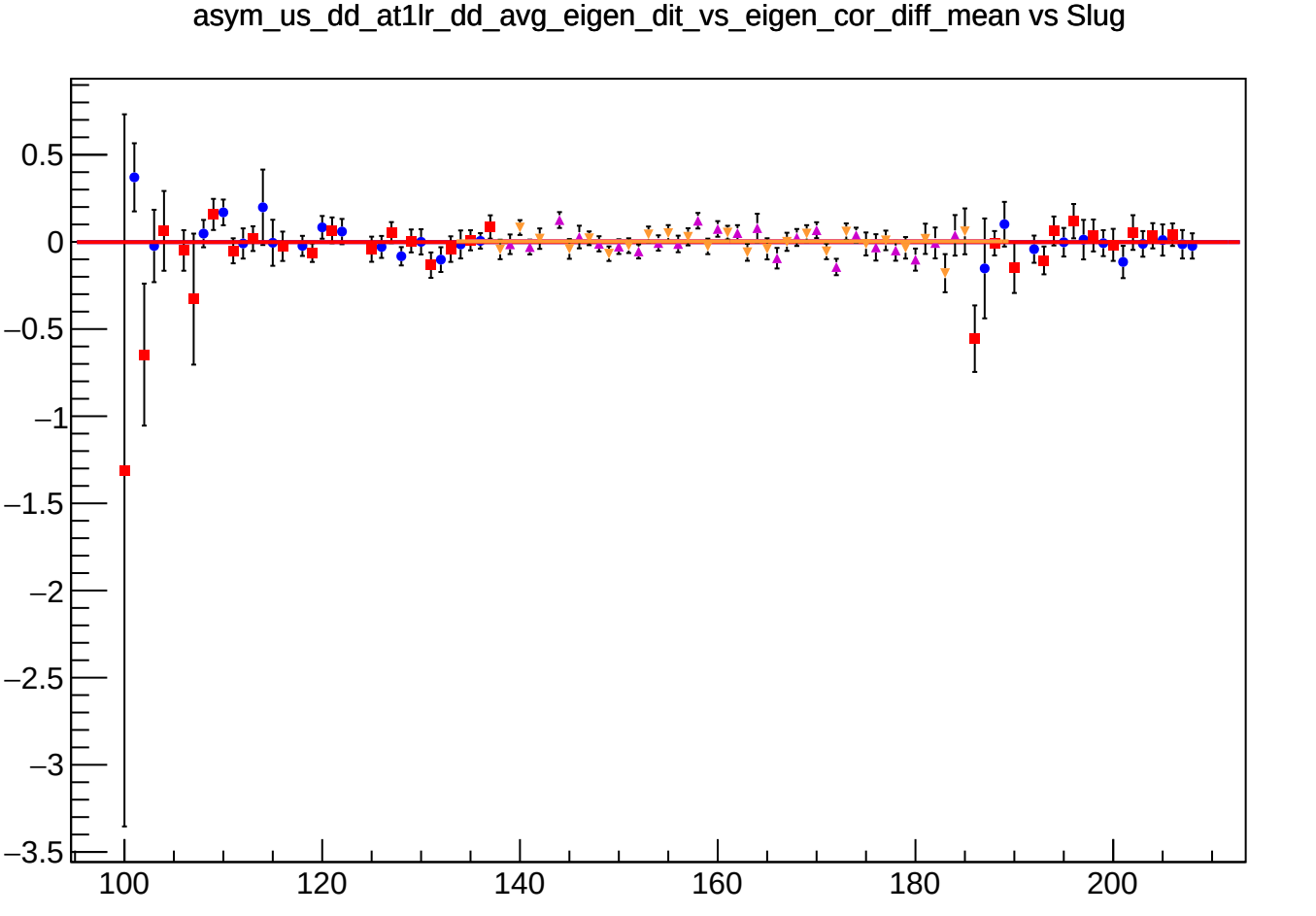
Right Out: 51.303+/-0.011 χ^2/NDF: 3522541.1/28

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 43.994+/-0.006 χ^2/NDF: 5774165.8/50

All: 44.204+/-0.004 χ^2/NDF: 10837709.8/102

- sign 44.420+/-0.006 χ^2/NDF: 5061088.6/51



Right In: -0.001+/-0.015 χ^2/NDF: 20.3/26

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

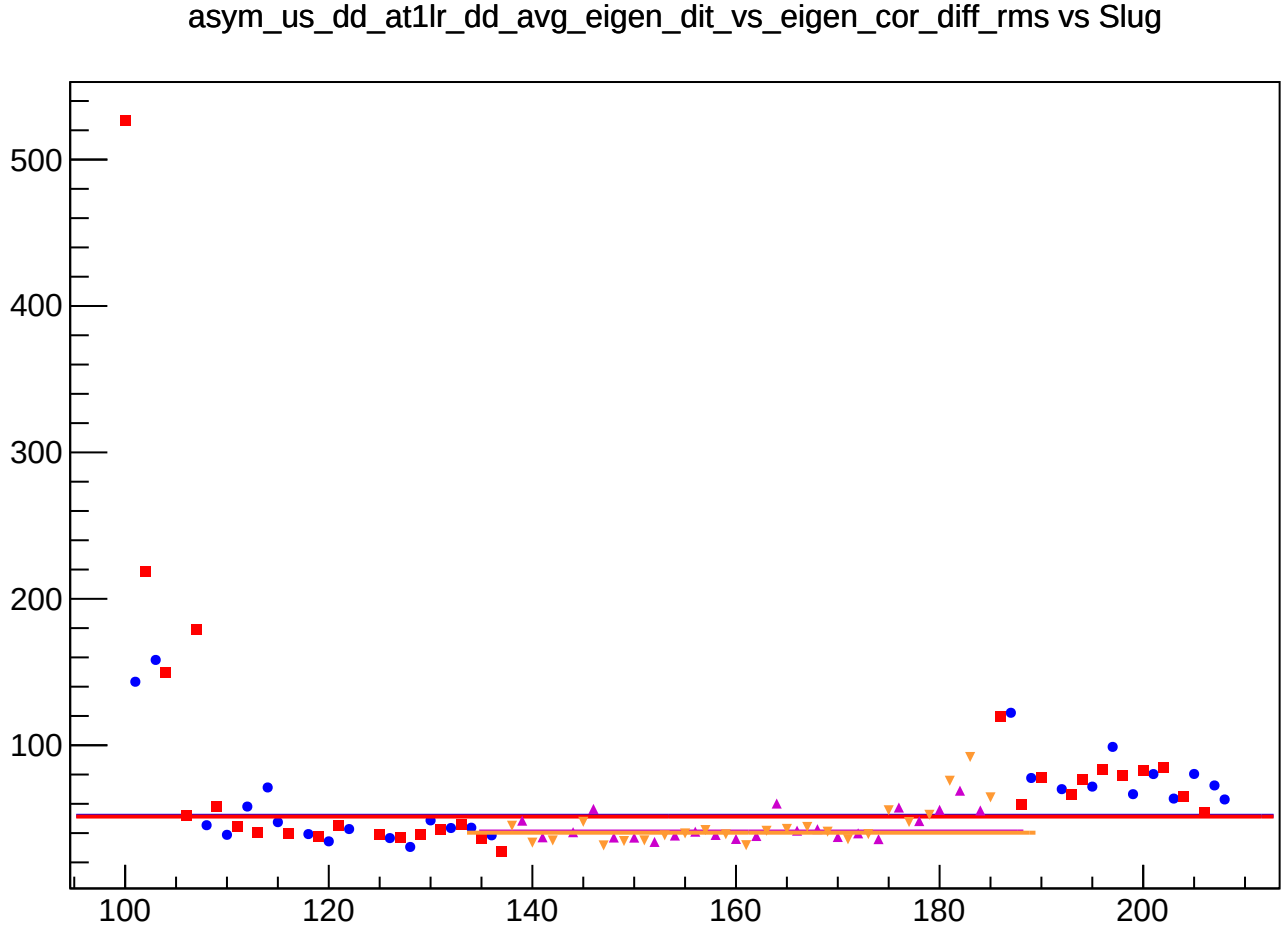
Right Out: -0.001+/-0.015 χ^2/NDF: 30.7/28

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.2/50

All: 0.002+/-0.006 χ^2/NDF: 114.5/102

- sign 0.003+/-0.009 χ^2/NDF: 72.3/51



Right In: 51.830+/-0.011 χ^2/NDF: 3486460.6/26

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

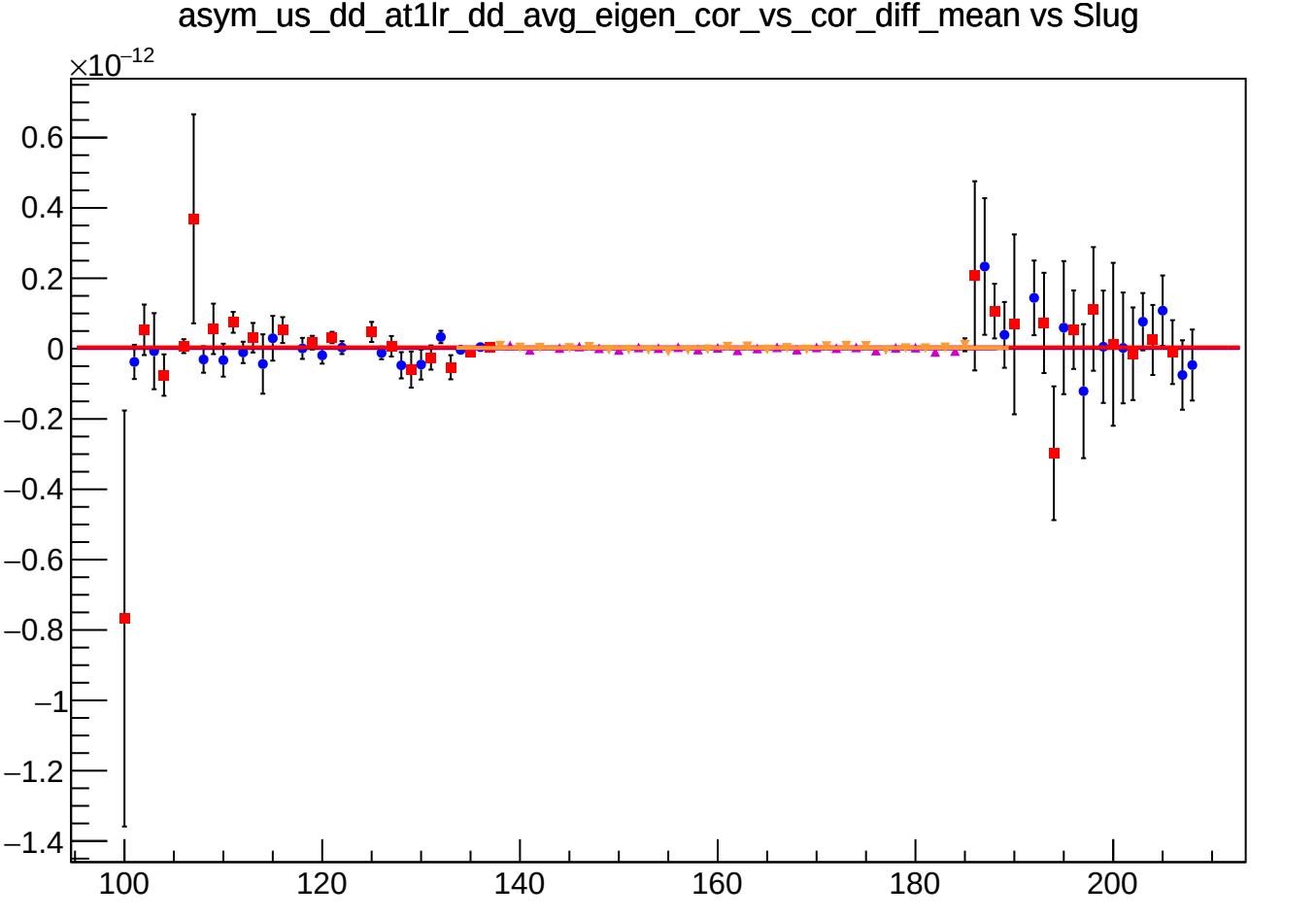
Right Out: 51.303+/-0.011 χ^2/NDF: 3522541.1/28

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 43.994+/-0.006 χ^2/NDF: 5774165.8/50

All: 44.204+/-0.004 χ^2/NDF: 10837709.8/102

- sign 44.420+/-0.006 χ^2/NDF: 5061088.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

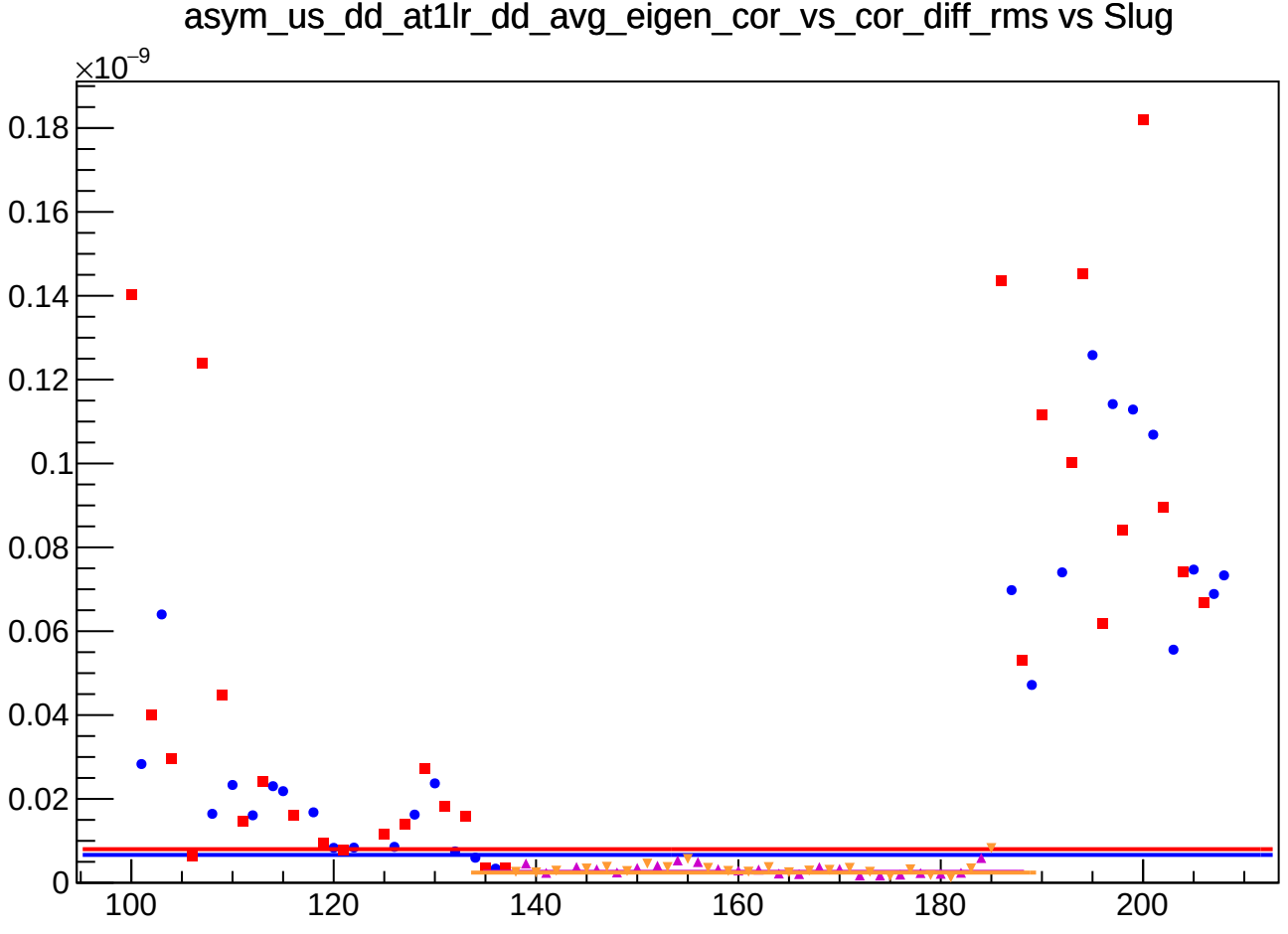
Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/28

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/50

All: 0.000+/-0.000 χ^2/NDF: 102.6/102

- sign 0.000+/-0.000 χ^2/NDF: 58.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 11216640.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11741979.7/28

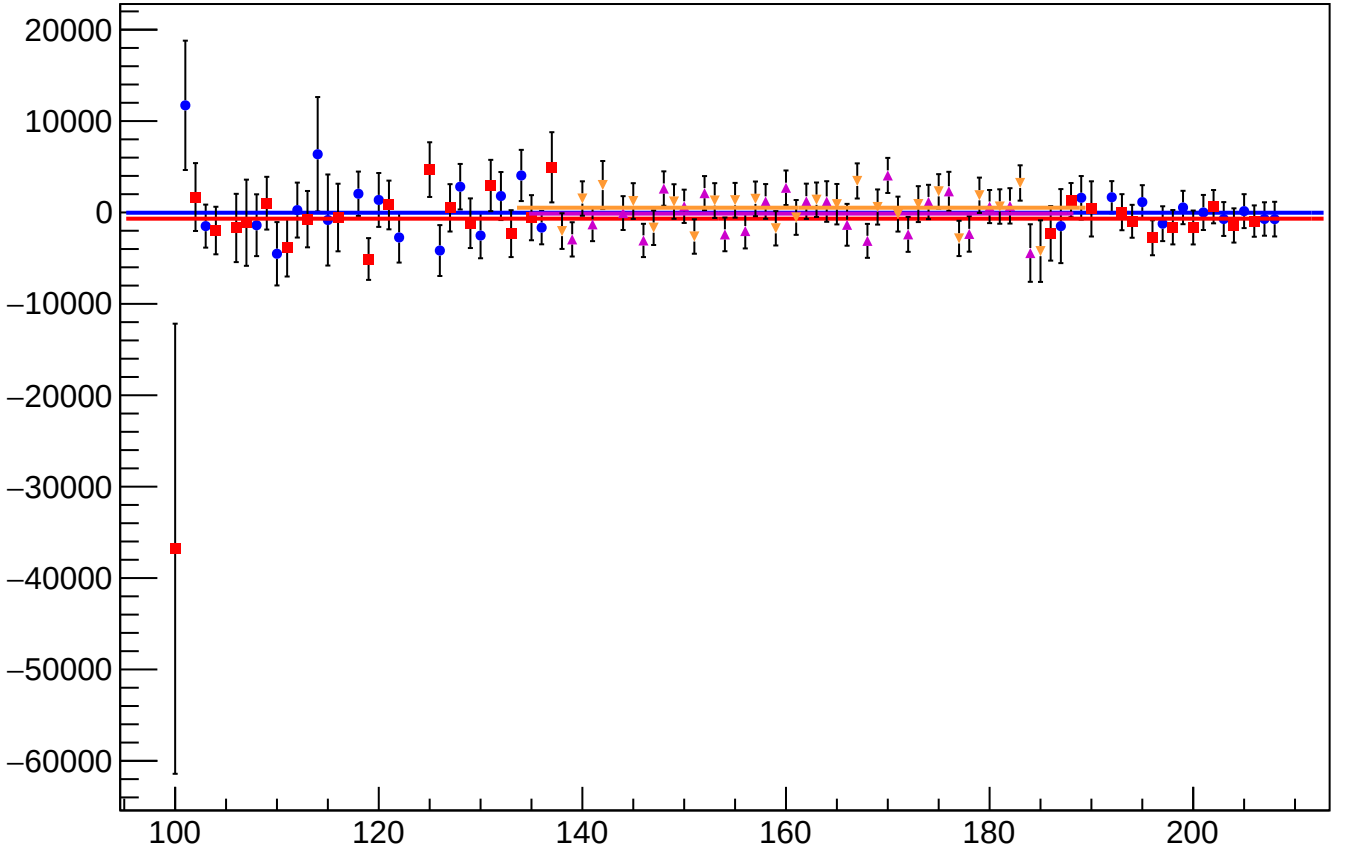
Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 16255649.6/50

All: 0.000+/-0.000 χ^2/NDF: 32547472.3/102

- sign 0.000+/-0.000 χ^2/NDF: 16239527.9/51

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -28.960+/-454.260 χ^2/NDF: 18.7/26

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -679.290+/-455.467 χ^2/NDF: 20.1/28

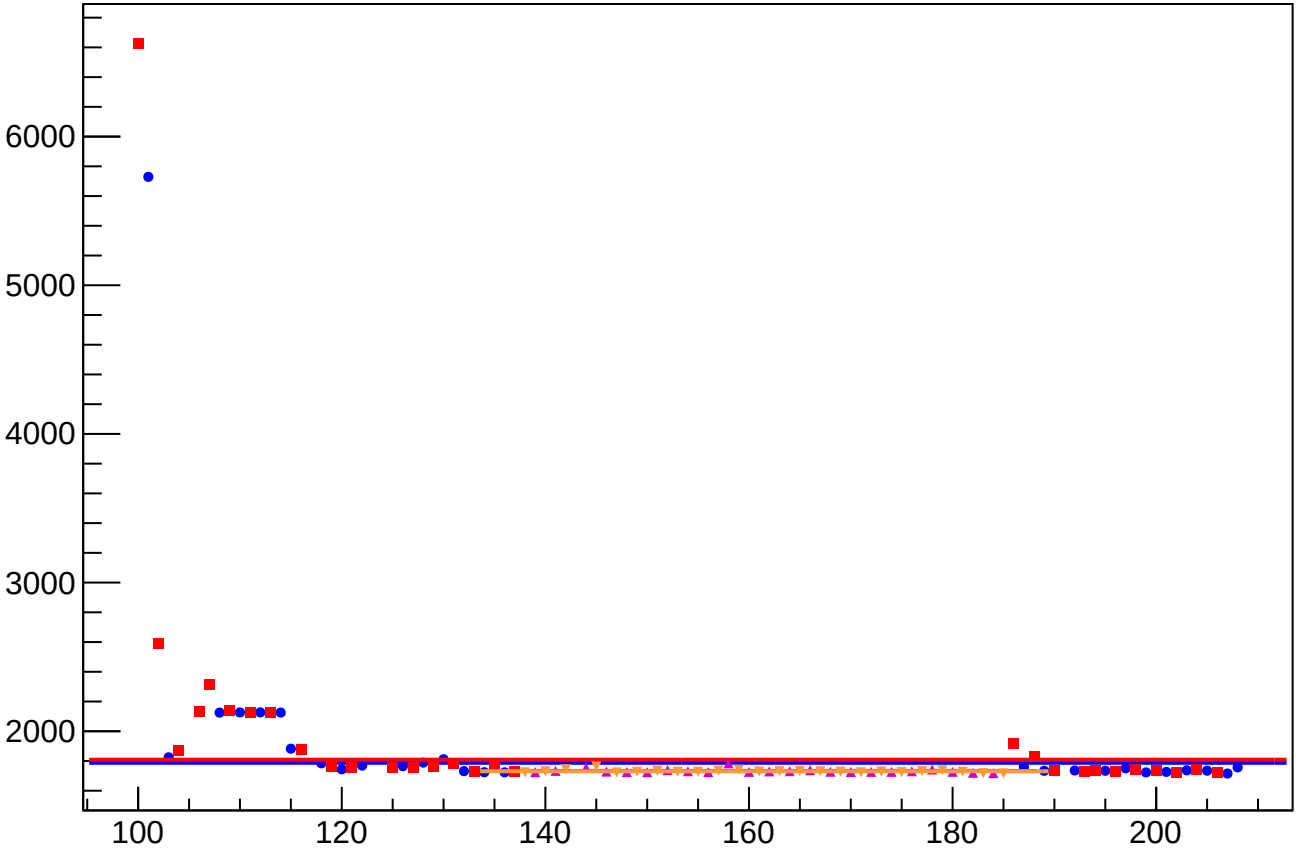
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 279.059+/-300.922 χ^2/NDF: 40.3/50

All: -43.810+/-213.340 χ^2/NDF: 93.0/102

- sign -370.074+/-302.500 χ^2/NDF: 50.4/51

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1787.930+/-0.321 χ^2/NDF: 714104.1/26

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

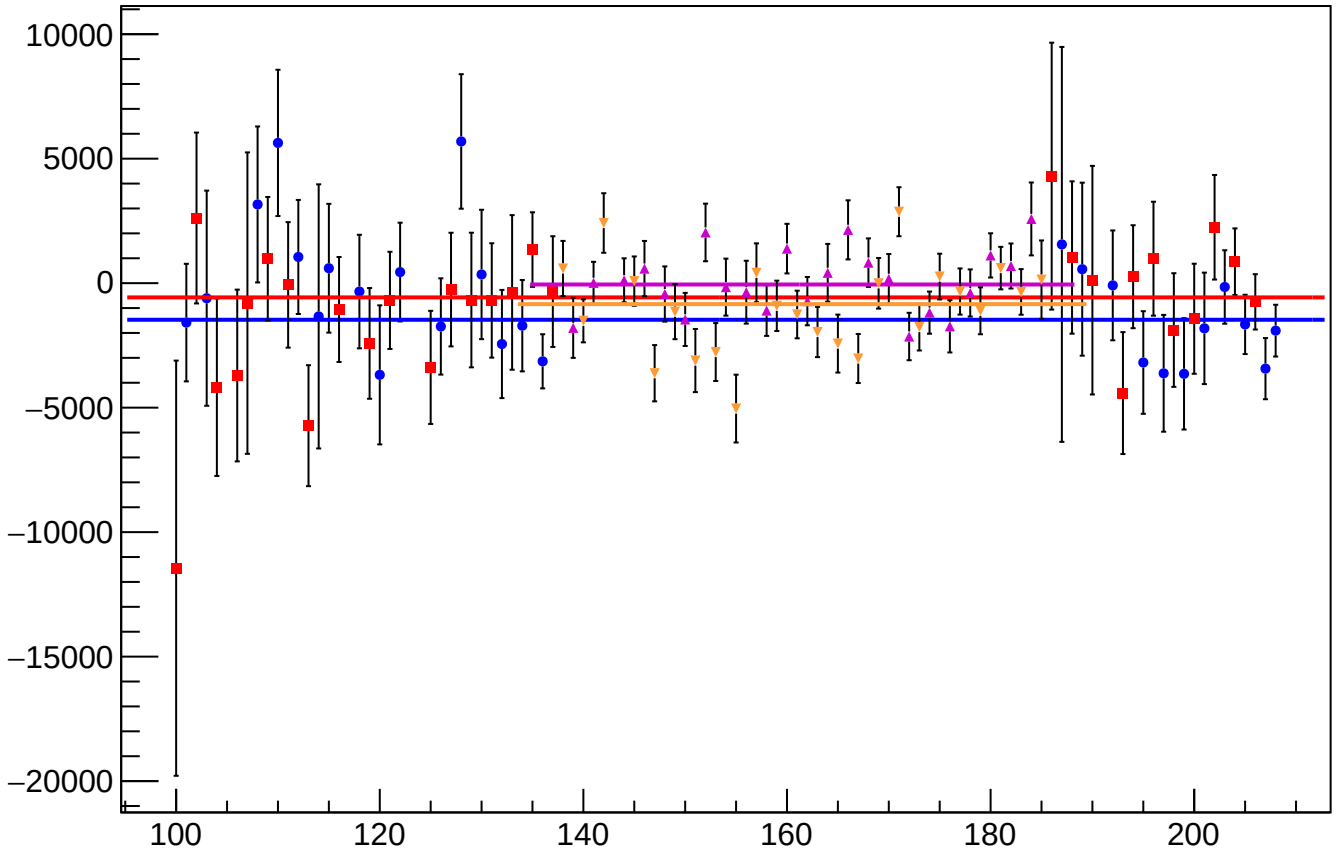
Right Out: 1808.596+/-0.322 χ^2/NDF: 310913.5/28

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1755.897+/-0.213 χ^2/NDF: 732796.7/50

All: 1761.096+/-0.151 χ^2/NDF: 1077934.7/10

- sign 1766.349+/-0.214 χ^2/NDF: 343937.8/51



Right In: -1470.600+/-373.179 χ^2/NDF: 28.8/26

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

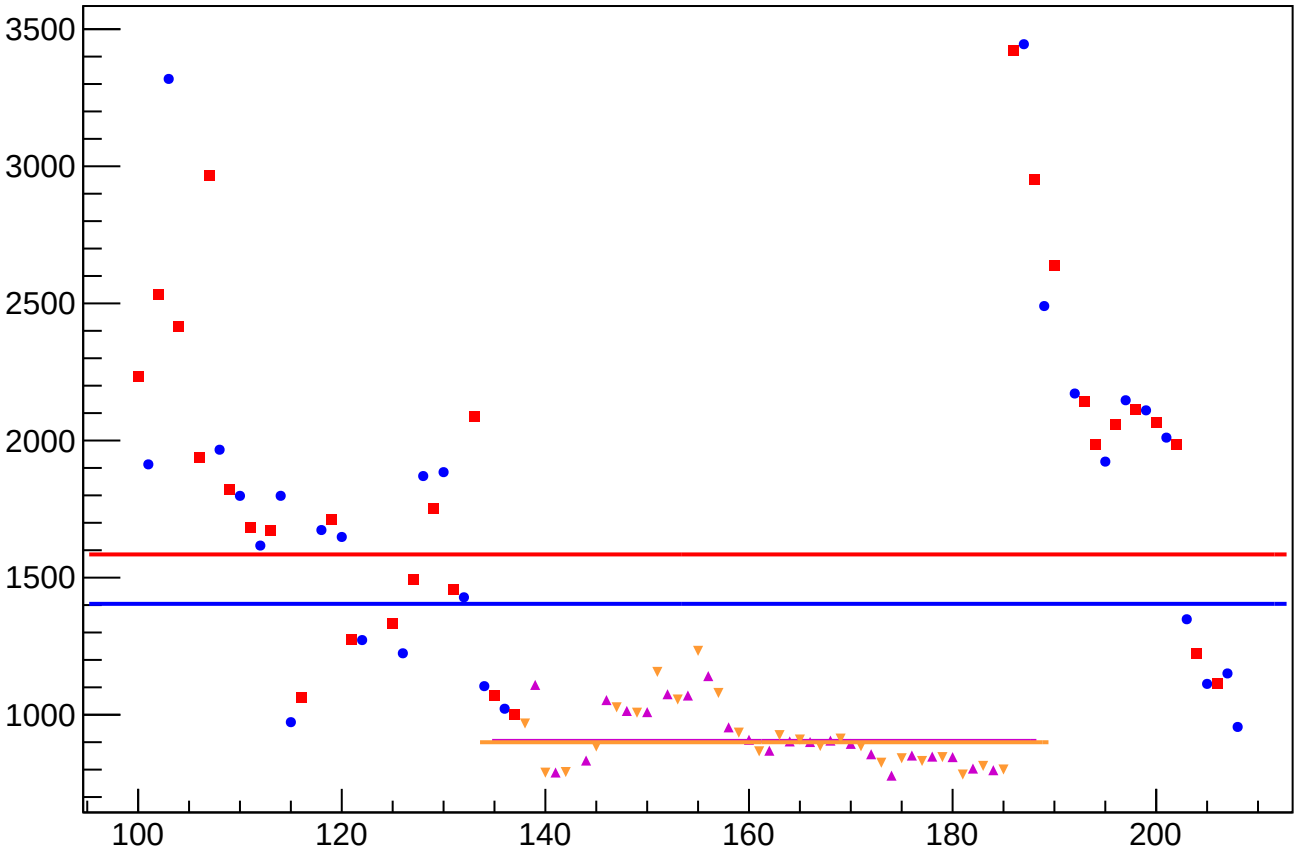
Right Out: -571.955+/-418.644 χ^2/NDF: 21.0/28

Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -994.446+/-183.576 χ^2/NDF: 93.6/50

All: -591.363+/-131.959 χ^2/NDF: 156.4/102

- sign -160.406+/-189.817 χ^2/NDF: 52.8/51



Right In: 1404.450+/-0.264 χ^2/NDF: 2991041.1/26

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1584.656+/-0.296 χ^2/NDF: 2850696.0/28

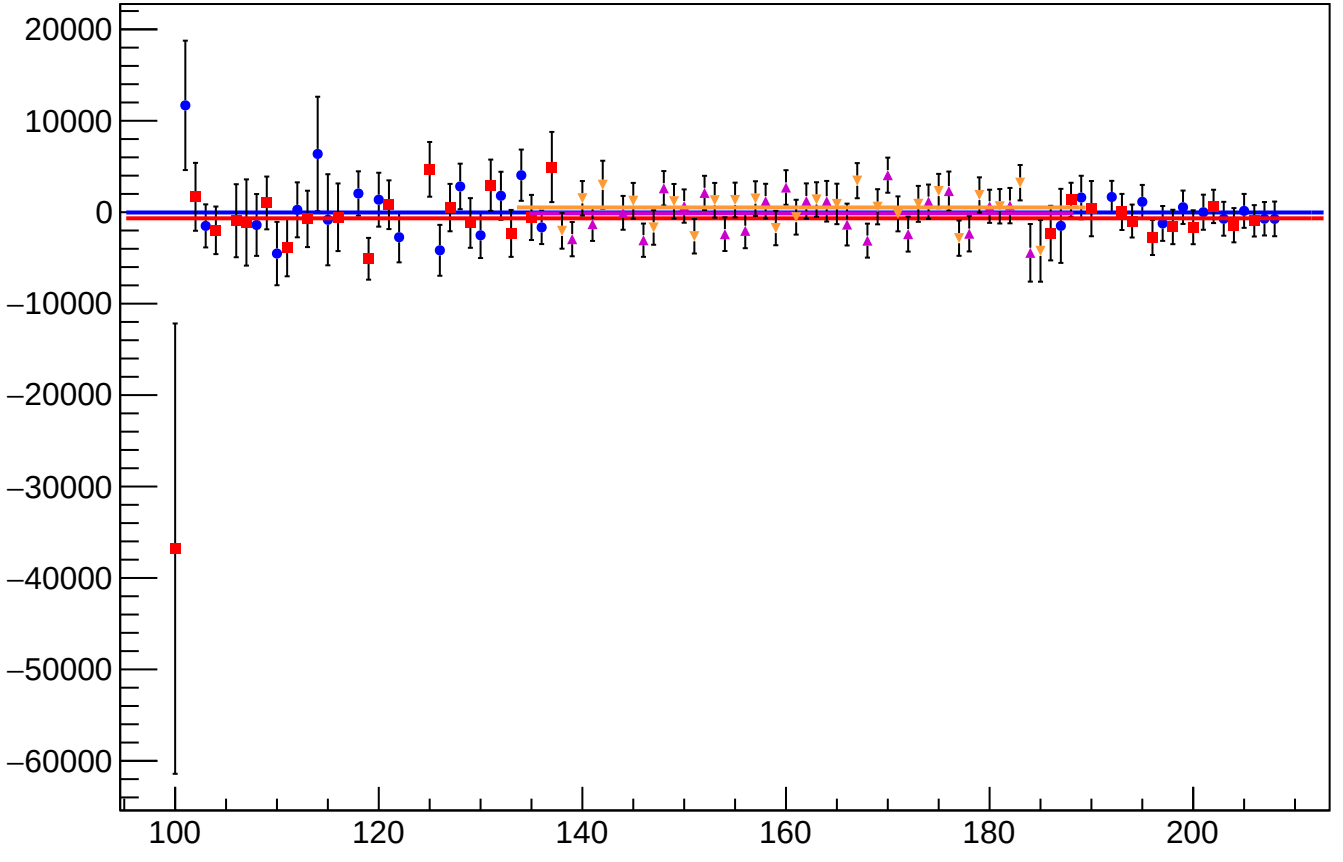
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 1021.929+/-0.130 χ^2/NDF: 6258608.4/50

All: 1032.813+/-0.093 χ^2/NDF: 13767980.0/1

- sign 1044.451+/-0.134 χ^2/NDF: 7494823.1/51

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -29.294+/-454.260 χ^2/NDF: 18.7/26

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -667.590+/-455.892 χ^2/NDF: 20.0/28

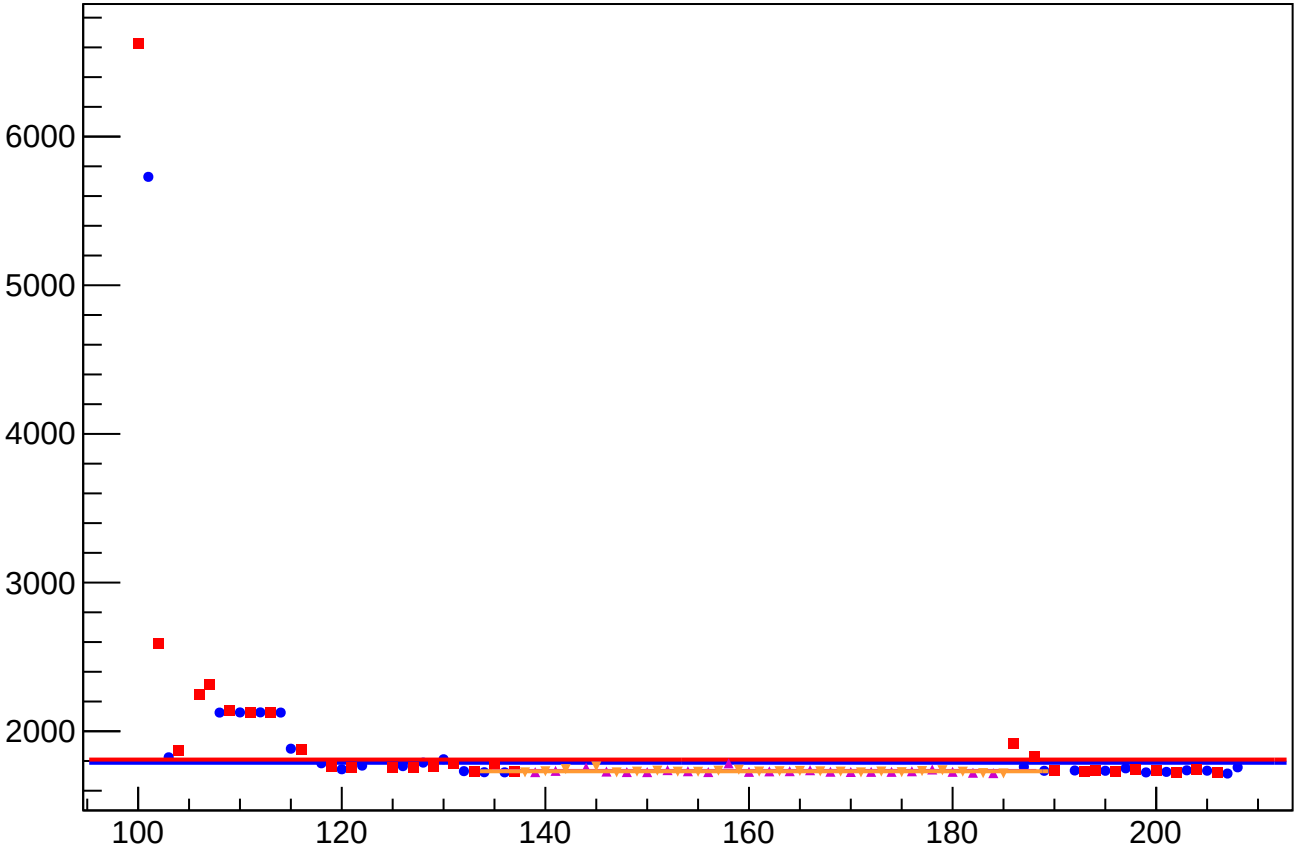
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 278.928+/-300.922 χ^2/NDF: 40.3/50

All: -41.069+/-213.383 χ^2/NDF: 92.9/102

- sign -364.697+/-302.624 χ^2/NDF: 50.3/51

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1787.930+/-0.321 χ^2/NDF: 714104.0/26

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

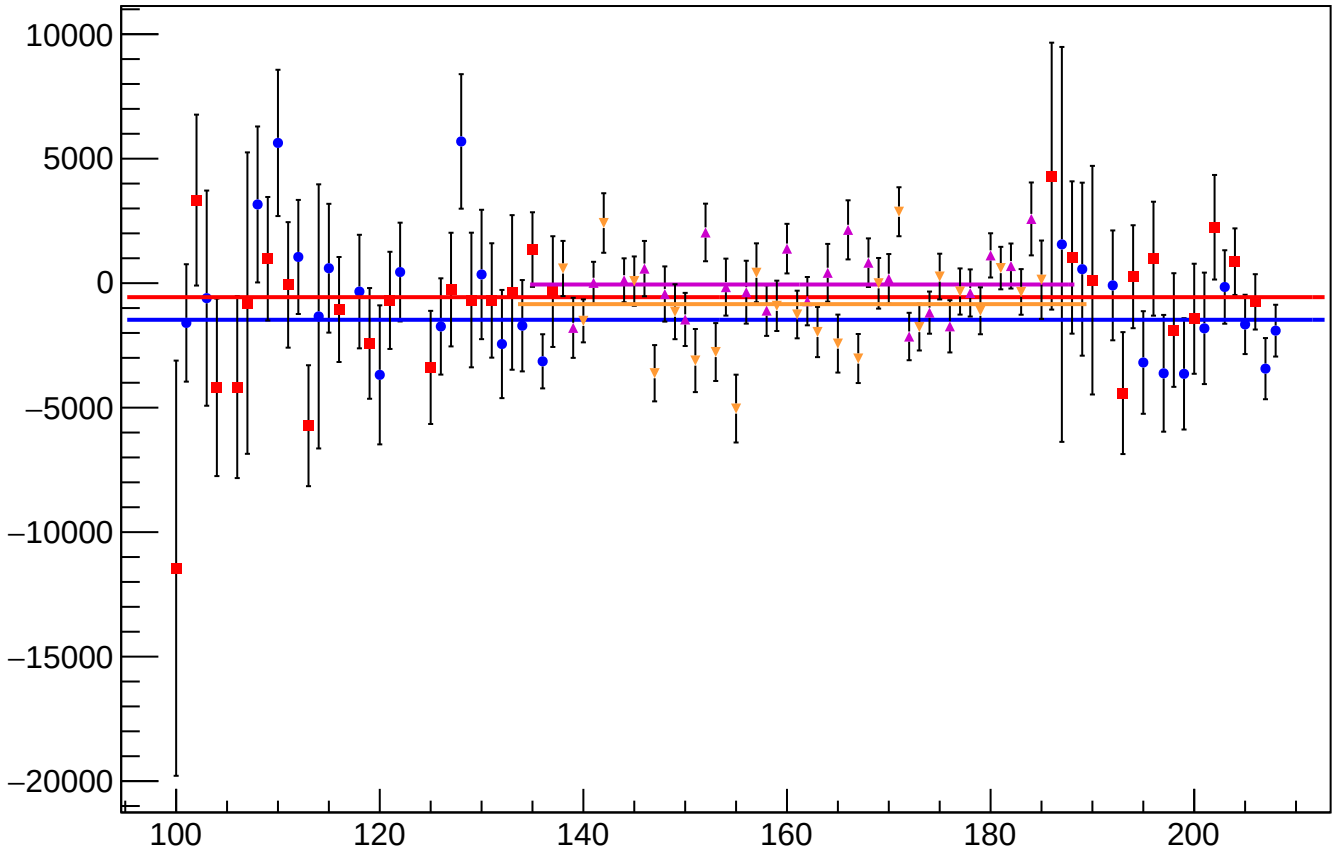
Right Out: 1809.512+/-0.322 χ^2/NDF: 320204.2/28

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1755.897+/-0.213 χ^2/NDF: 732796.6/50

All: 1761.277+/-0.151 χ^2/NDF: 1088028.7/10

- sign 1766.718+/-0.214 χ^2/NDF: 353946.3/51



Right In: -1470.942+/-373.166 χ^2/NDF: 28.8/26

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

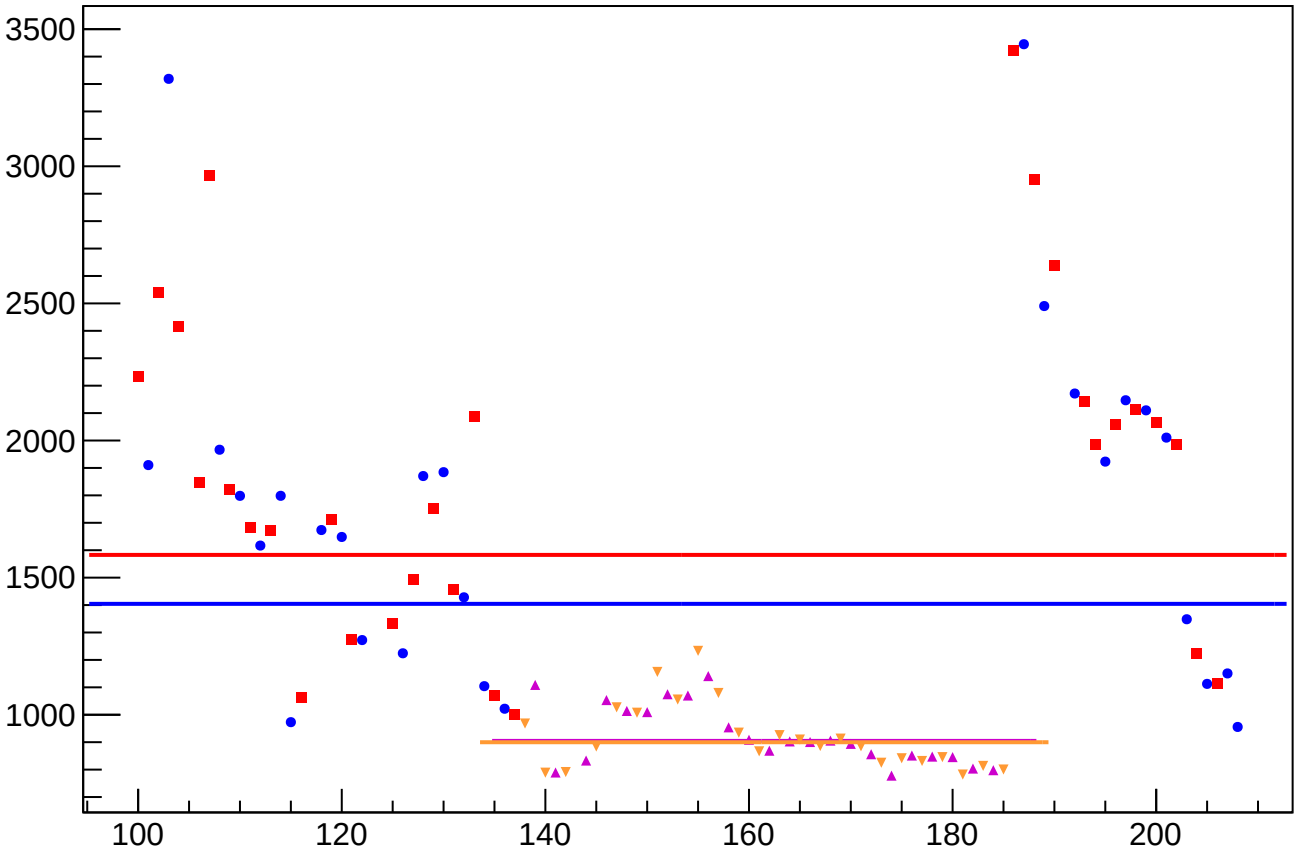
Right Out: -562.317+/-418.981 χ^2/NDF: 21.6/28

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -994.564+/-183.575 χ^2/NDF: 93.6/50

All: -590.481+/-131.969 χ^2/NDF: 157.0/102

- sign -158.308+/-189.848 χ^2/NDF: 53.4/51



Right In: 1404.415+/-0.264 χ^2/NDF: 2990415.6/26

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1582.913+/-0.296 χ^2/NDF: 2841586.2/28

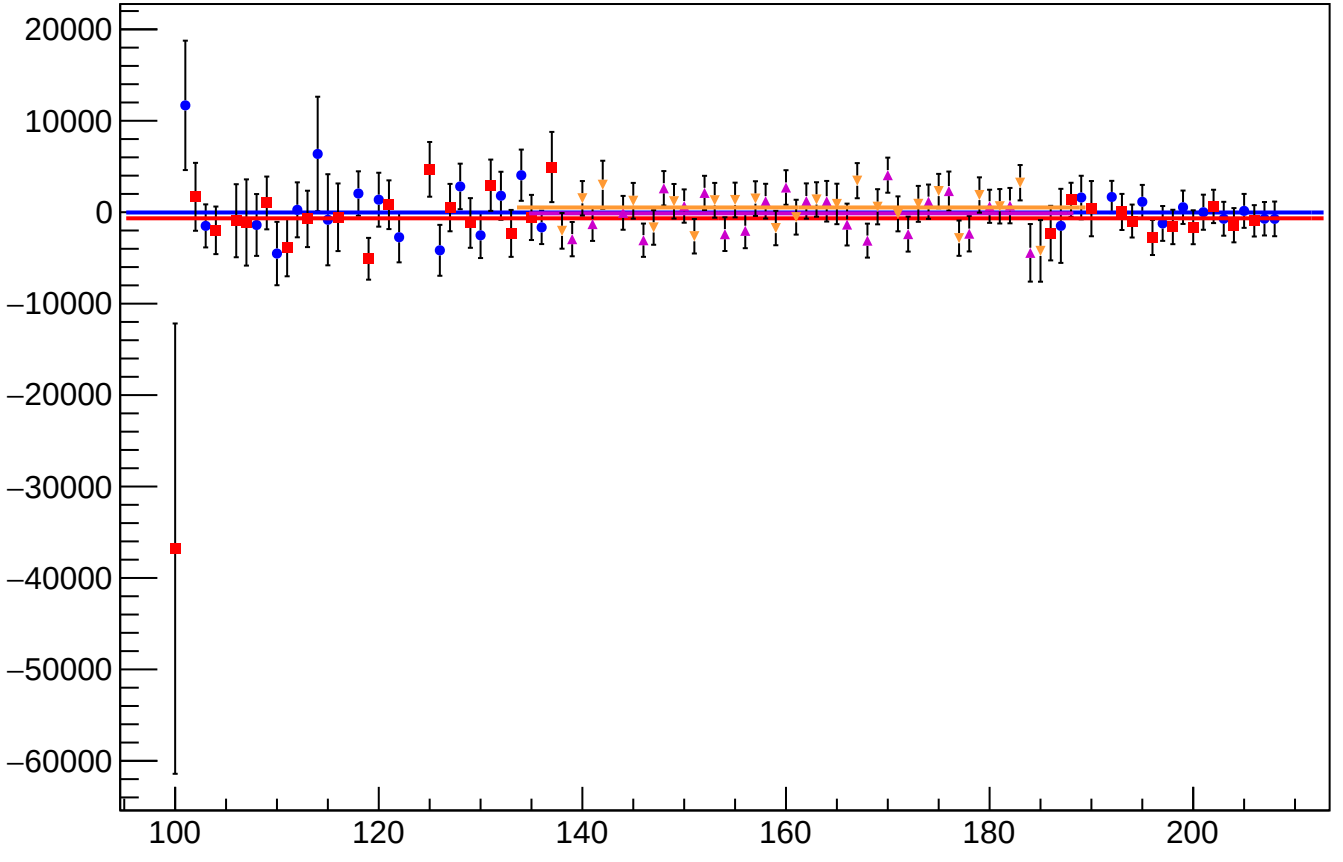
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1021.929+/-0.130 χ^2/NDF: 6257659.9/50

All: 1032.551+/-0.093 χ^2/NDF: 13730482.8/1

- sign 1043.911+/-0.134 χ^2/NDF: 7458966.8/51

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -29.294+/-454.260 χ^2/NDF: 18.7/26

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -667.590+/-455.892 χ^2/NDF: 20.0/28

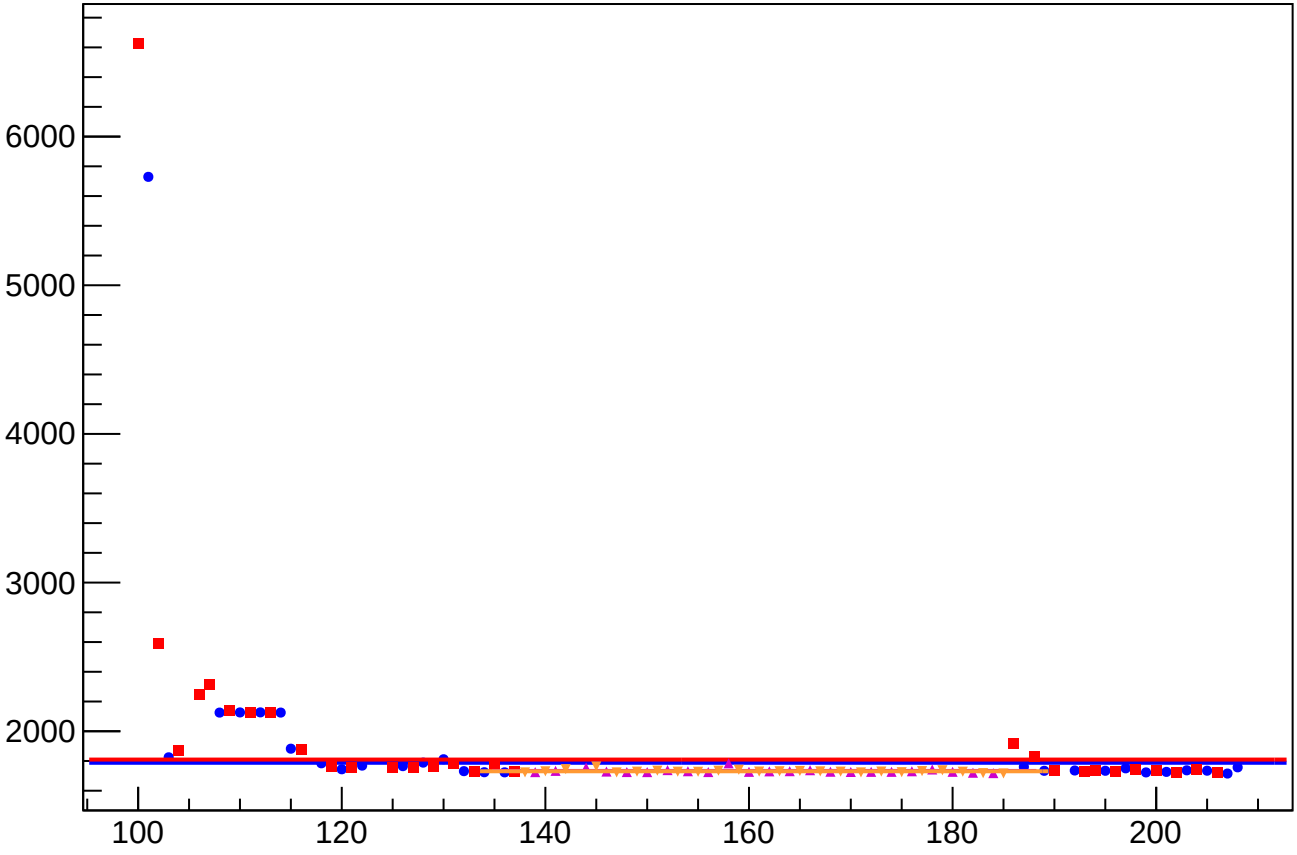
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 278.928+/-300.922 χ^2/NDF: 40.3/50

All: -41.069+/-213.383 χ^2/NDF: 92.9/102

- sign -364.697+/-302.624 χ^2/NDF: 50.3/51

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1787.930+/-0.321 χ^2/NDF: 714104.0/26

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

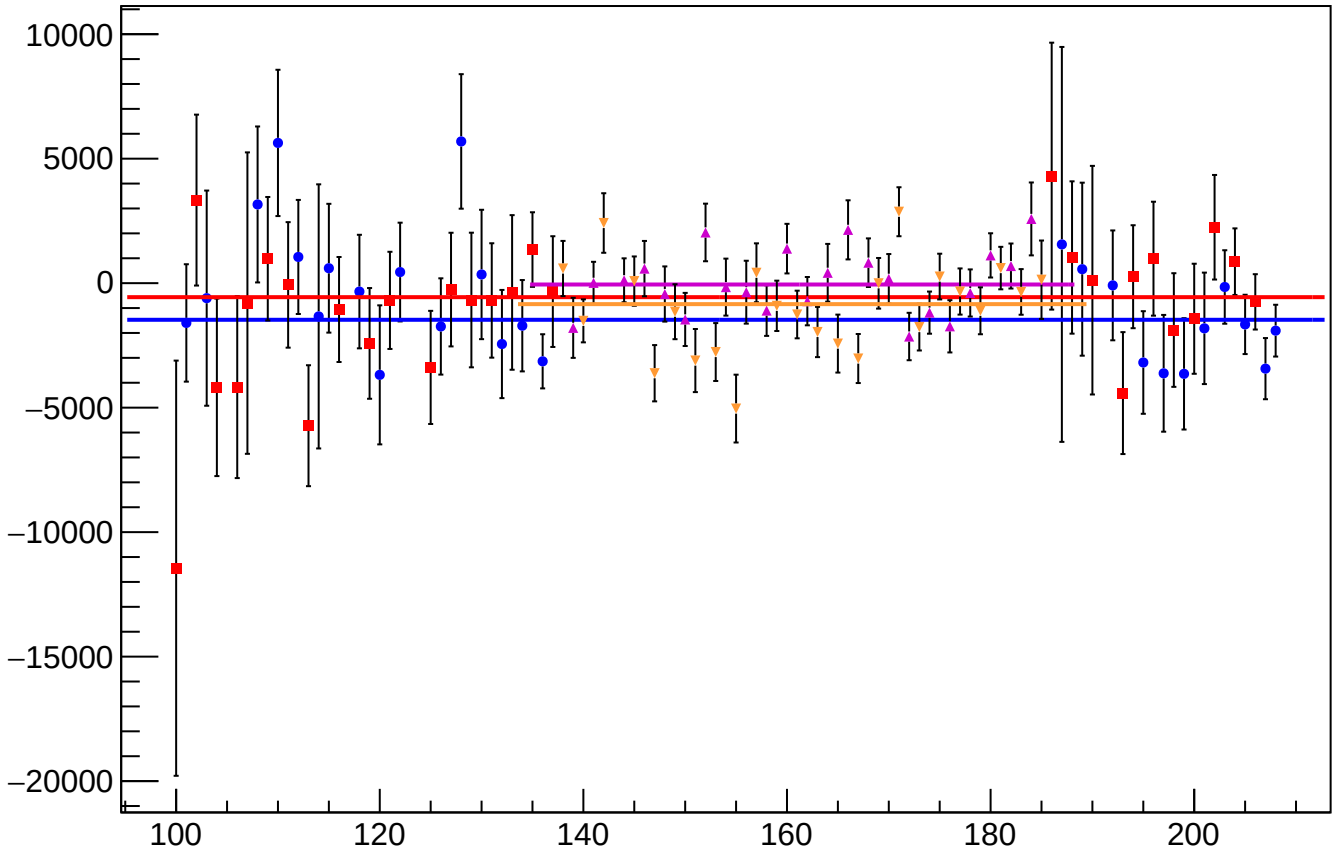
Right Out: 1809.512+/-0.322 χ^2/NDF: 320204.2/28

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1755.897+/-0.213 χ^2/NDF: 732796.6/50

All: 1761.277+/-0.151 χ^2/NDF: 1088028.7/10

- sign 1766.718+/-0.214 χ^2/NDF: 353946.3/51



Right In: -1470.942+/-373.166 χ^2/NDF: 28.8/26

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

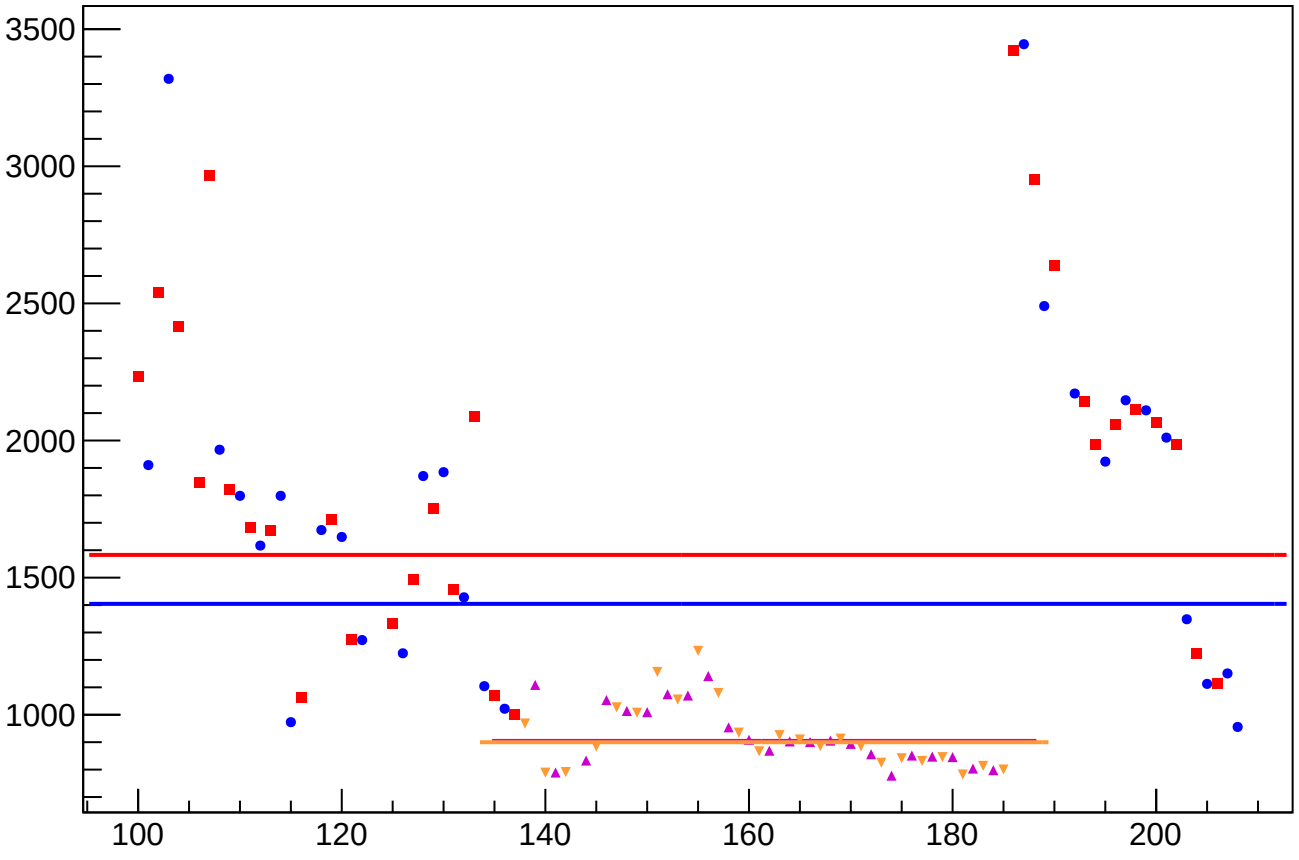
Right Out: -562.317+/-418.981 χ^2/NDF: 21.6/28

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -994.564+/-183.575 χ^2/NDF: 93.6/50

All: -590.481+/-131.969 χ^2/NDF: 157.0/102

- sign -158.308+/-189.848 χ^2/NDF: 53.4/51



Right In: 1404.415+/-0.264 χ^2/NDF: 2990415.6/26

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1582.913+/-0.296 χ^2/NDF: 2841586.2/28

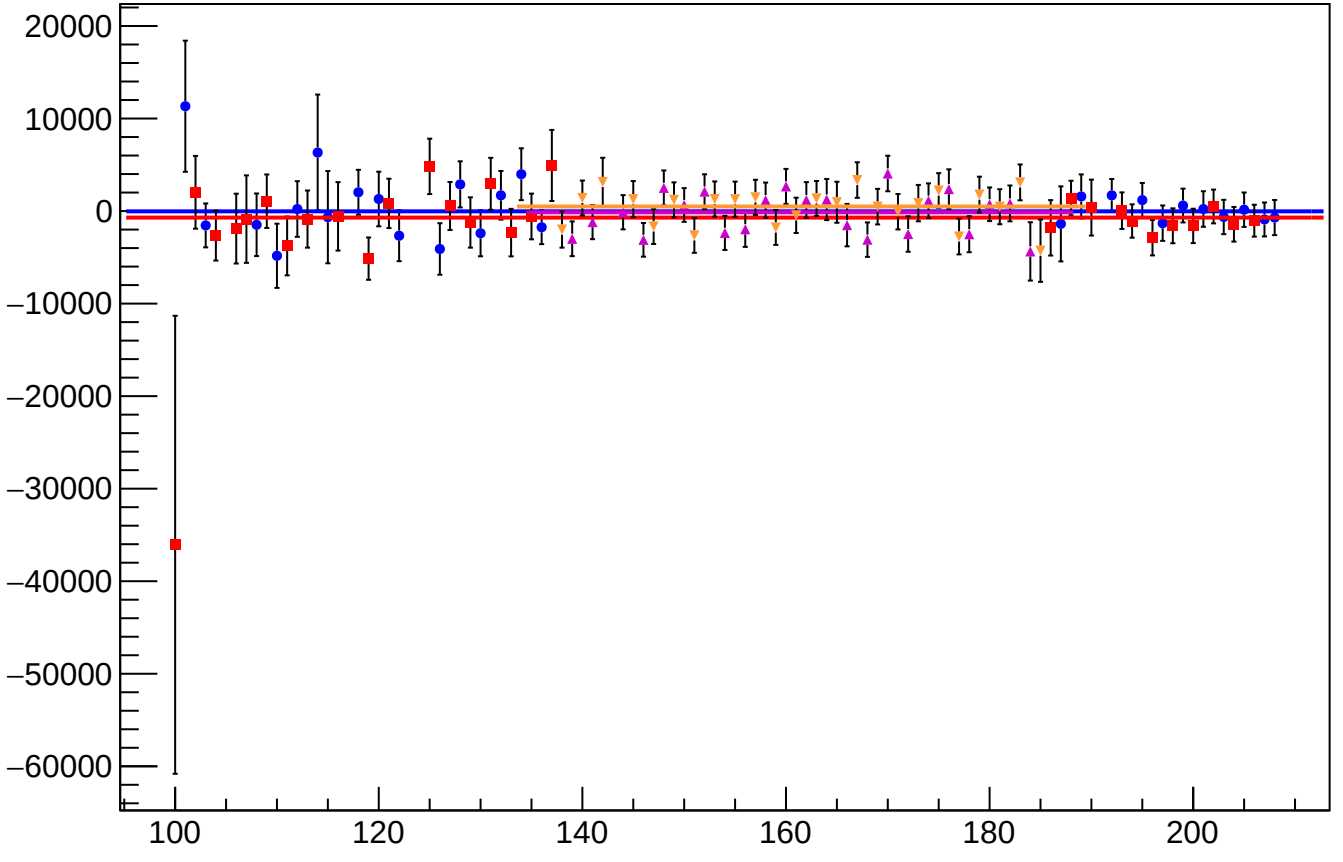
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1021.929+/-0.130 χ^2/NDF: 6257659.9/50

All: 1032.551+/-0.093 χ^2/NDF: 13730482.8/1

- sign 1043.911+/-0.134 χ^2/NDF: 7458966.8/51

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -29.130+/-454.754 χ^2/NDF: 18.8/26

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -705.545+/-456.920 χ^2/NDF: 20.6/28

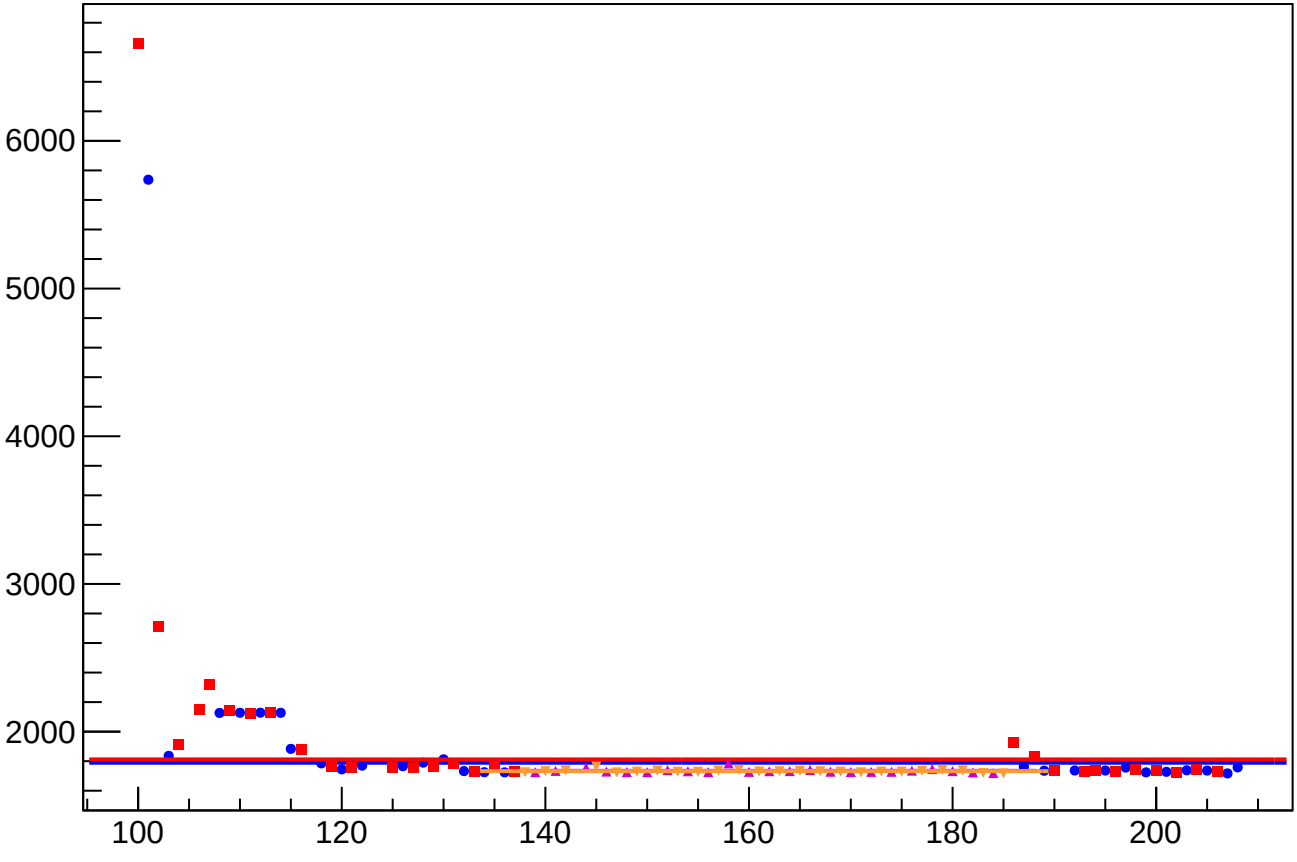
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 264.984+/-301.219 χ^2/NDF: 39.6/50

All: -59.120+/-213.648 χ^2/NDF: 92.9/102

- sign -387.236+/-303.077 χ^2/NDF: 51.0/51

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1789.742+/-0.322 χ^2/NDF: 714455.5/26

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

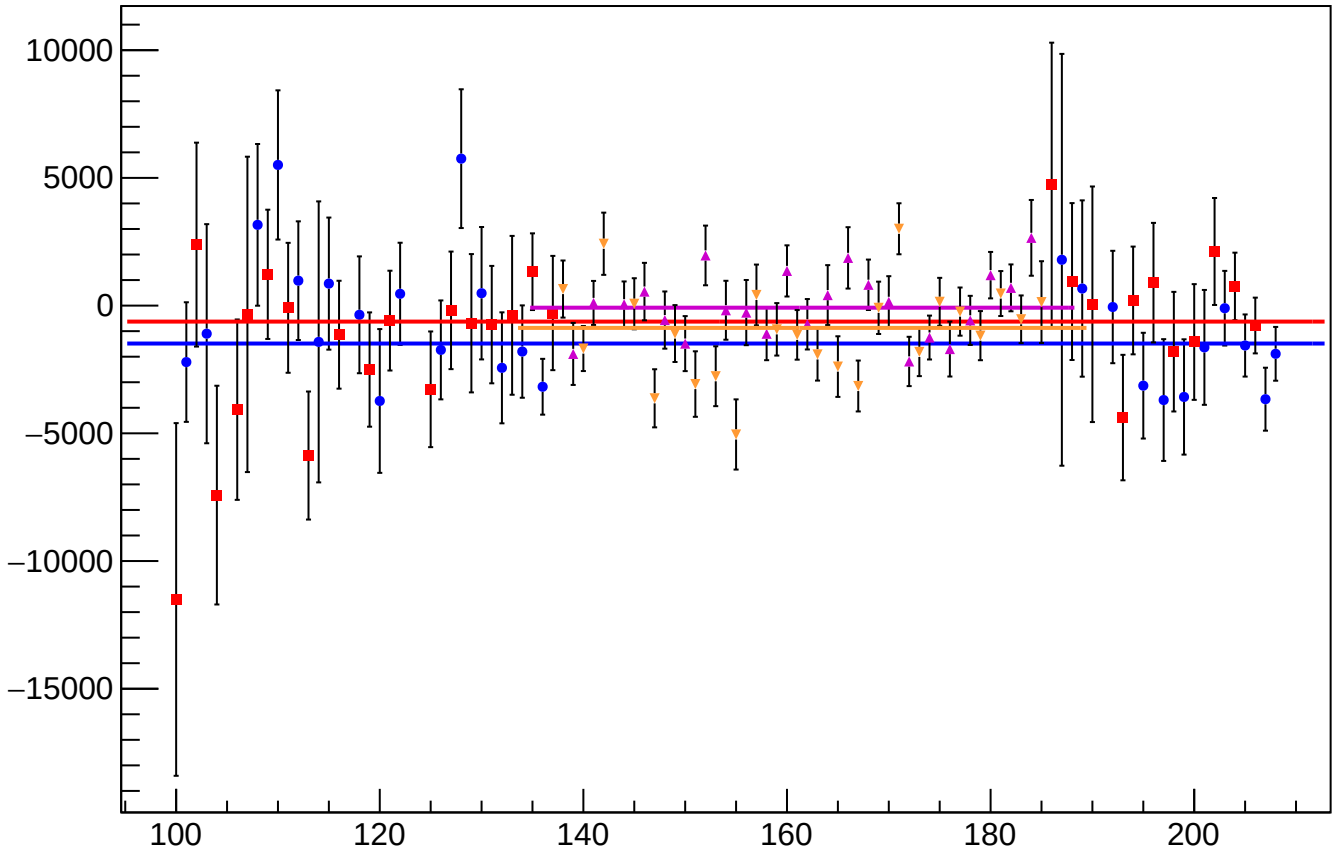
Right Out: 1811.989+/-0.323 χ^2/NDF: 330692.0/28

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1757.552+/-0.213 χ^2/NDF: 733221.0/50

All: 1763.058+/-0.151 χ^2/NDF: 1099630.2/10

- sign 1768.631+/-0.214 χ^2/NDF: 365064.6/51



Right In: -1484.685+/-375.037 χ^2/NDF: 29.6/26

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

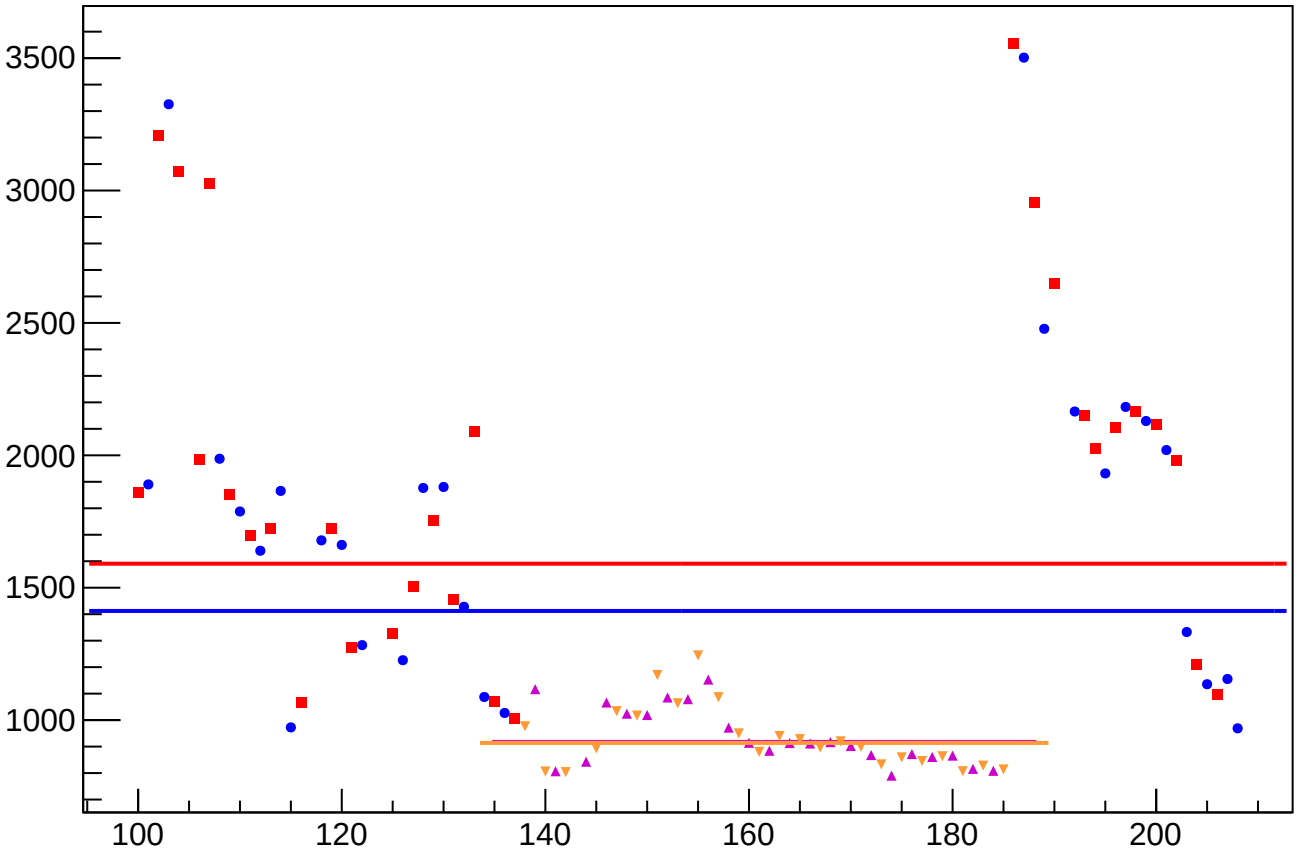
Right Out: -625.779+/-421.337 χ^2/NDF: 22.7/28

Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

\+ sign -1023.122+/-185.875 χ^2/NDF: 93.6/50

All: -622.673+/-133.597 χ^2/NDF: 157.2/102

\- sign -194.717+/-192.153 χ^2/NDF: 54.0/51



Right In: 1412.245+/-0.265 χ^2/NDF: 2971073.1/26

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1590.722+/-0.298 χ^2/NDF: 3298975.5/28

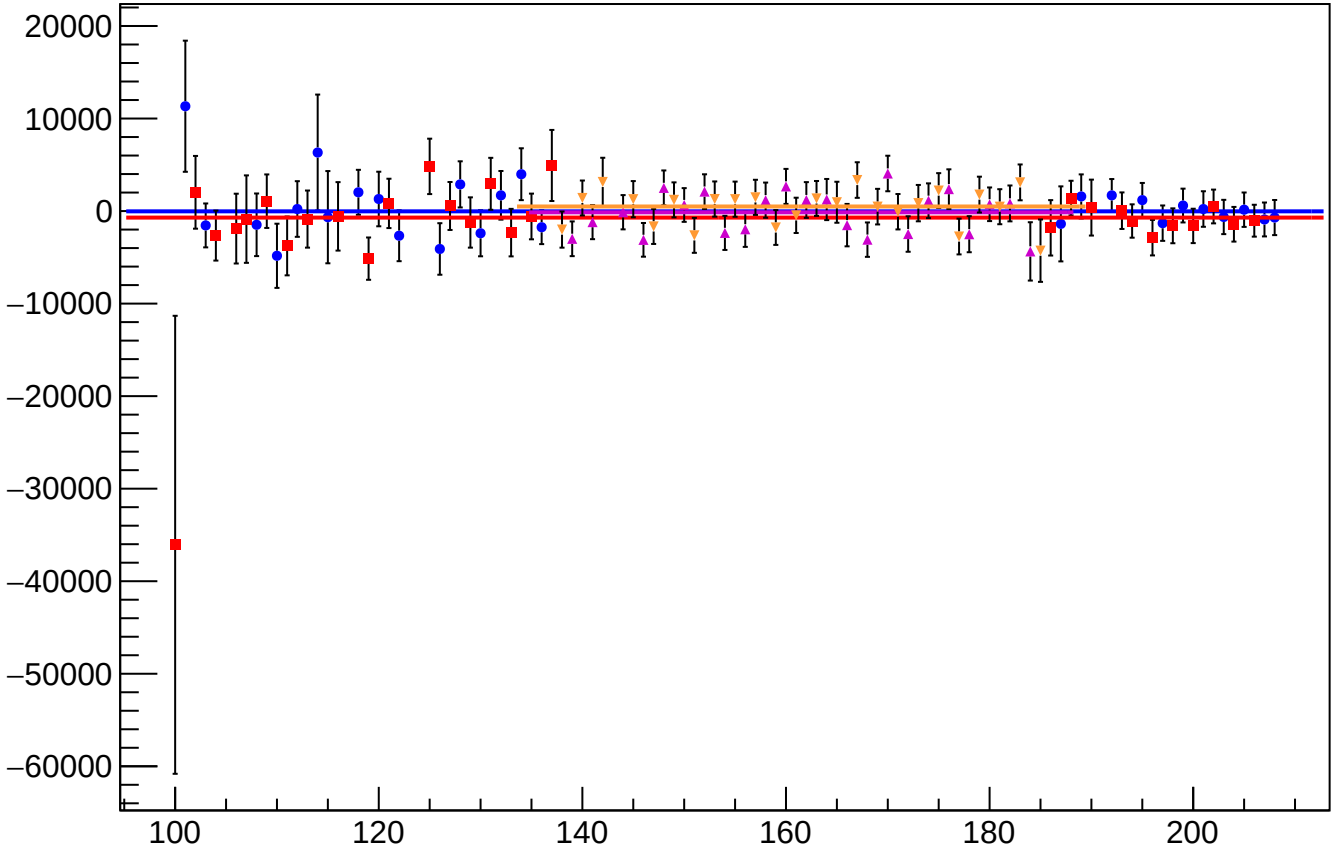
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1036.310+/-0.131 χ^2/NDF: 6097868.9/50

All: 1046.630+/-0.094 χ^2/NDF: 13882086.4/1

- sign 1057.658+/-0.136 χ^2/NDF: 7771465.1/51

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -29.129+/-454.754 χ^2/NDF: 18.8/26

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -705.545+/-456.920 χ^2/NDF: 20.6/28

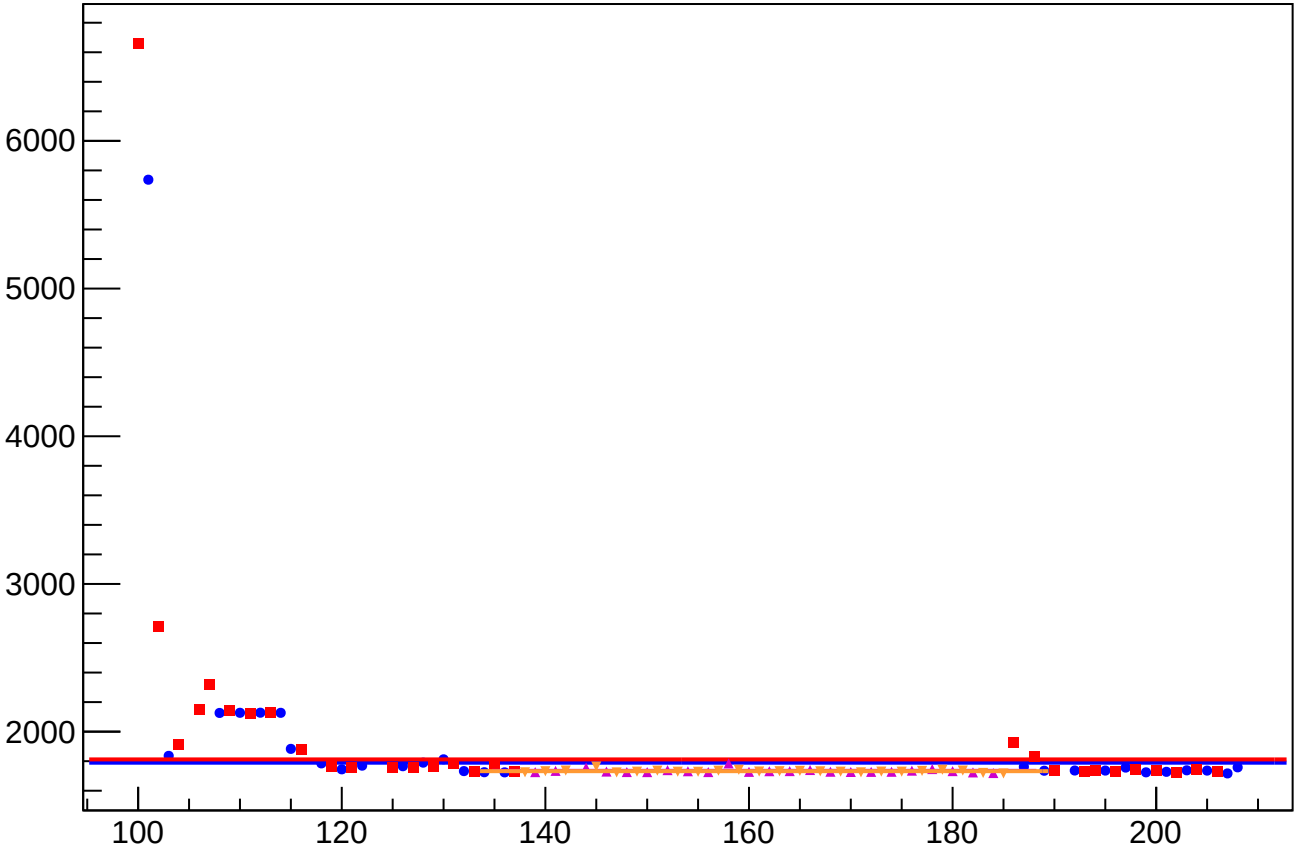
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 264.984+/-301.219 χ^2/NDF: 39.6/50

All: -59.120+/-213.648 χ^2/NDF: 92.9/102

- sign -387.236+/-303.077 χ^2/NDF: 51.0/51

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1789.742+/-0.322 χ^2/NDF: 714455.4/26

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

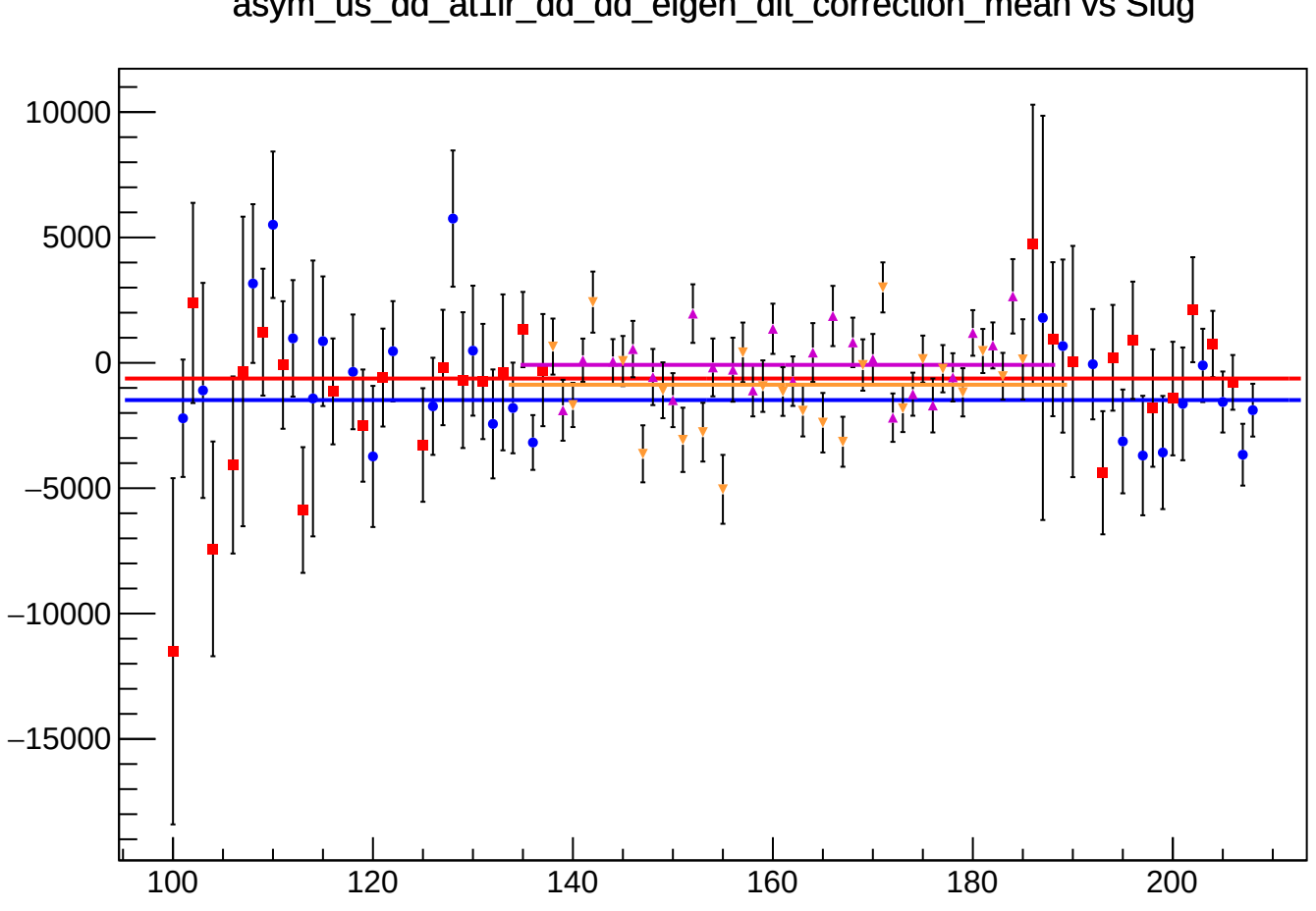
Right Out: 1811.989+/-0.323 χ^2/NDF: 330691.7/28

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1757.552+/-0.213 χ^2/NDF: 733221.0/50

All: 1763.058+/-0.151 χ^2/NDF: 1099629.8/10

- sign 1768.631+/-0.214 χ^2/NDF: 365064.3/51



Right In: -1484.681+/-375.036 χ^2/NDF: 29.6/26

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

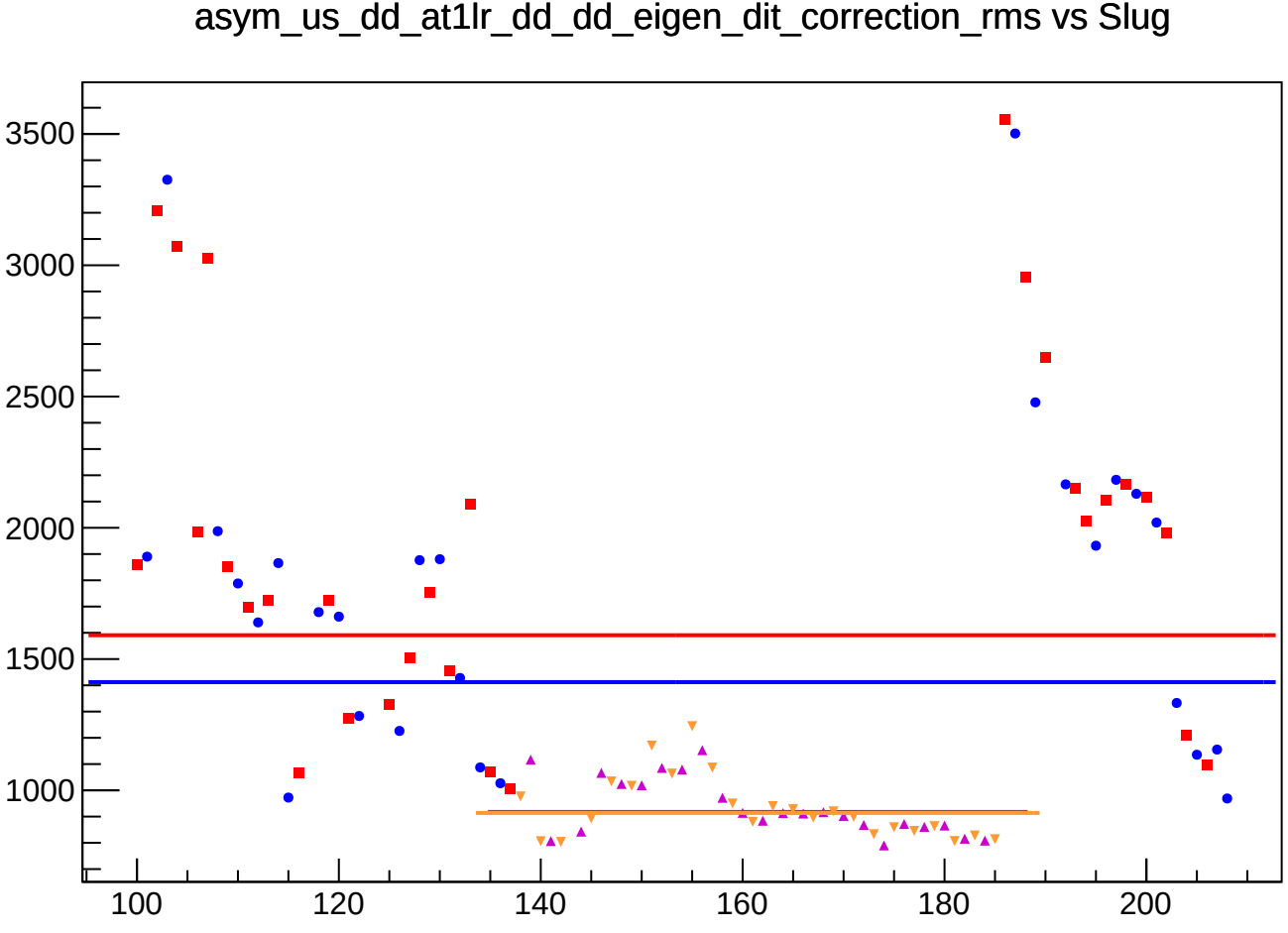
Right Out: -625.781+/-421.337 χ^2/NDF: 22.7/28

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -1023.120+/-185.874 χ^2/NDF: 93.6/50

All: -622.672+/-133.597 χ^2/NDF: 157.2/102

- sign -194.717+/-192.152 χ^2/NDF: 54.0/51



Right In: 1412.243+/-0.265 χ^2/NDF: 2971075.9/26

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1590.720+/-0.298 χ^2/NDF: 3298983.1/28

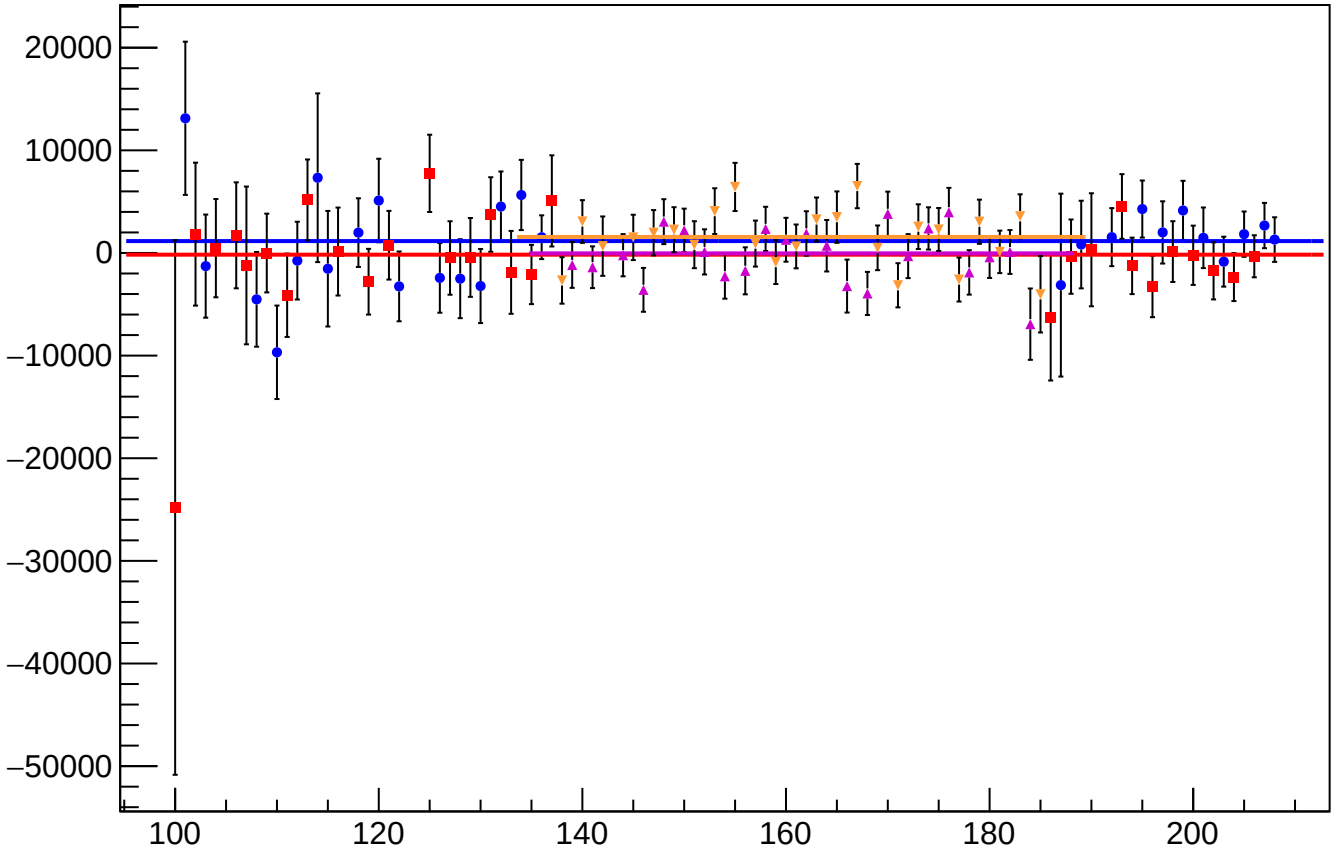
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1036.310+/-0.131 χ^2/NDF: 6097870.5/50

All: 1046.629+/-0.094 χ^2/NDF: 13882096.3/1

- sign 1057.657+/-0.136 χ^2/NDF: 7771473.5/51

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 1158.151+/-622.069 χ^2/NDF: 23.9/26

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -167.108+/-653.286 χ^2/NDF: 18.0/28

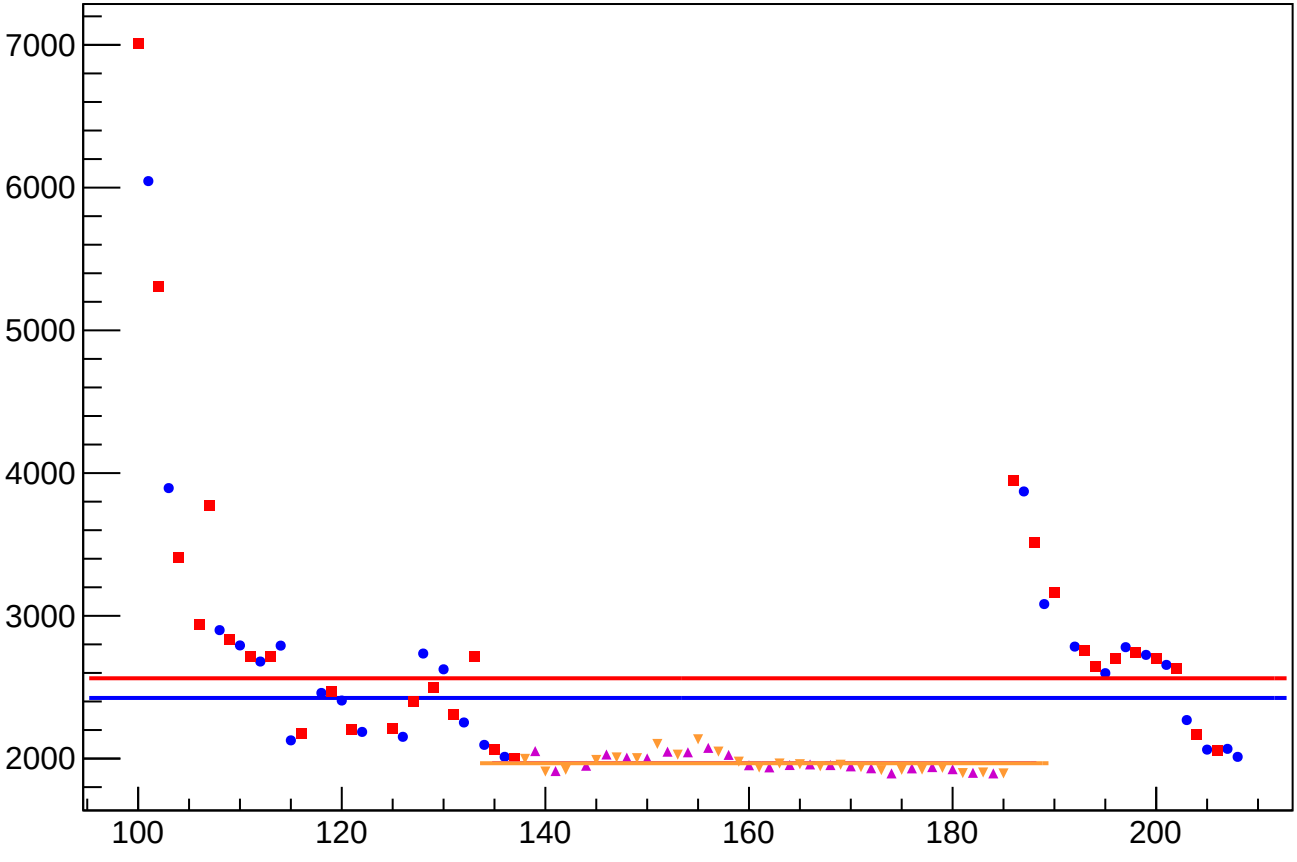
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1420.071+/-368.235 χ^2/NDF: 55.4/50

All: 684.844+/-263.112 χ^2/NDF: 109.3/102

- sign -82.047+/-376.081 χ^2/NDF: 45.8/51

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2424.676+/-0.440 χ^2/NDF: 1223862.3/26

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

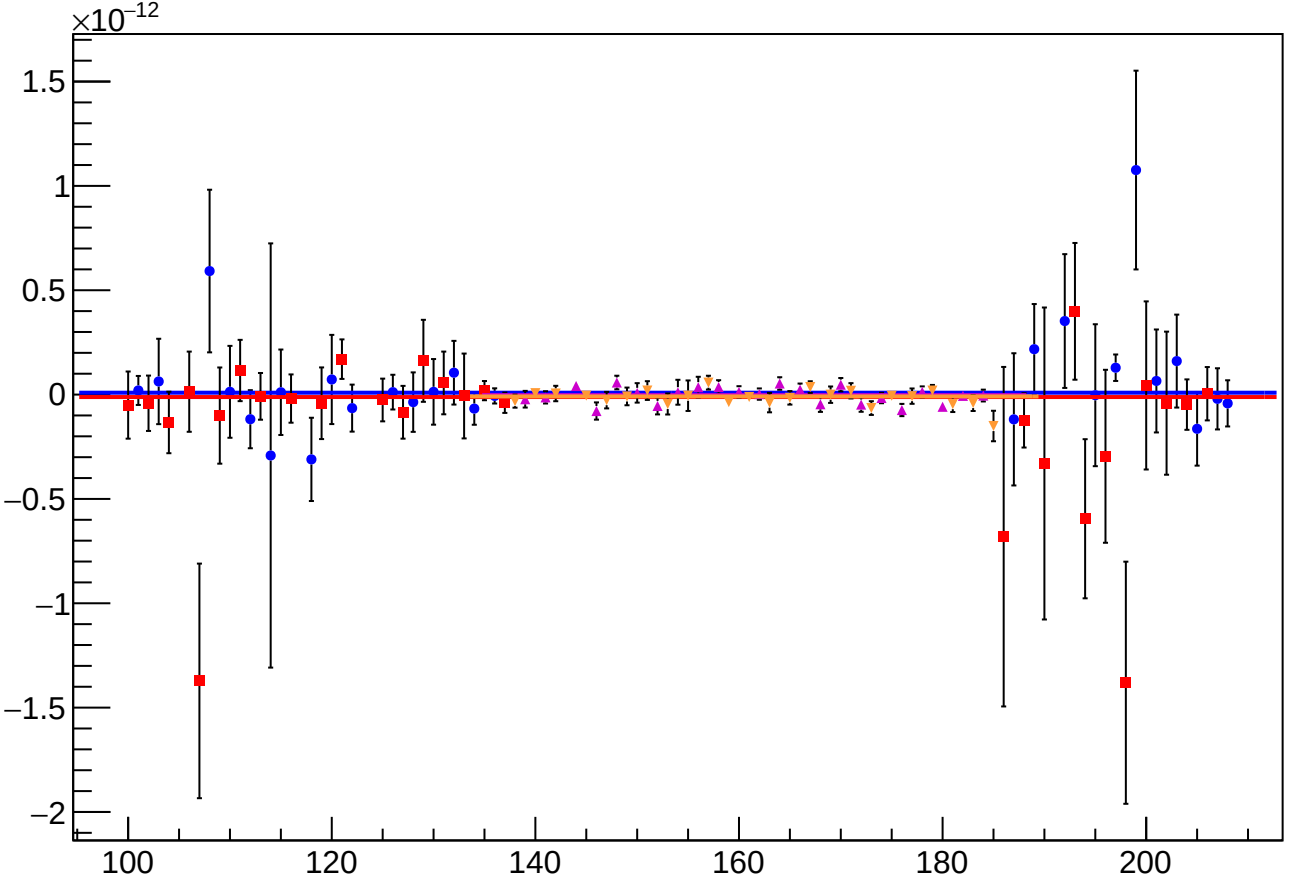
Right Out: 2562.543+/-0.462 χ^2/NDF: 1141686.6/28

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2127.643+/-0.260 χ^2/NDF: 1960053.3/50

All: 2146.279+/-0.186 χ^2/NDF: 4242454.2/10

- sign 2165.717+/-0.266 χ^2/NDF: 2271935.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 20.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

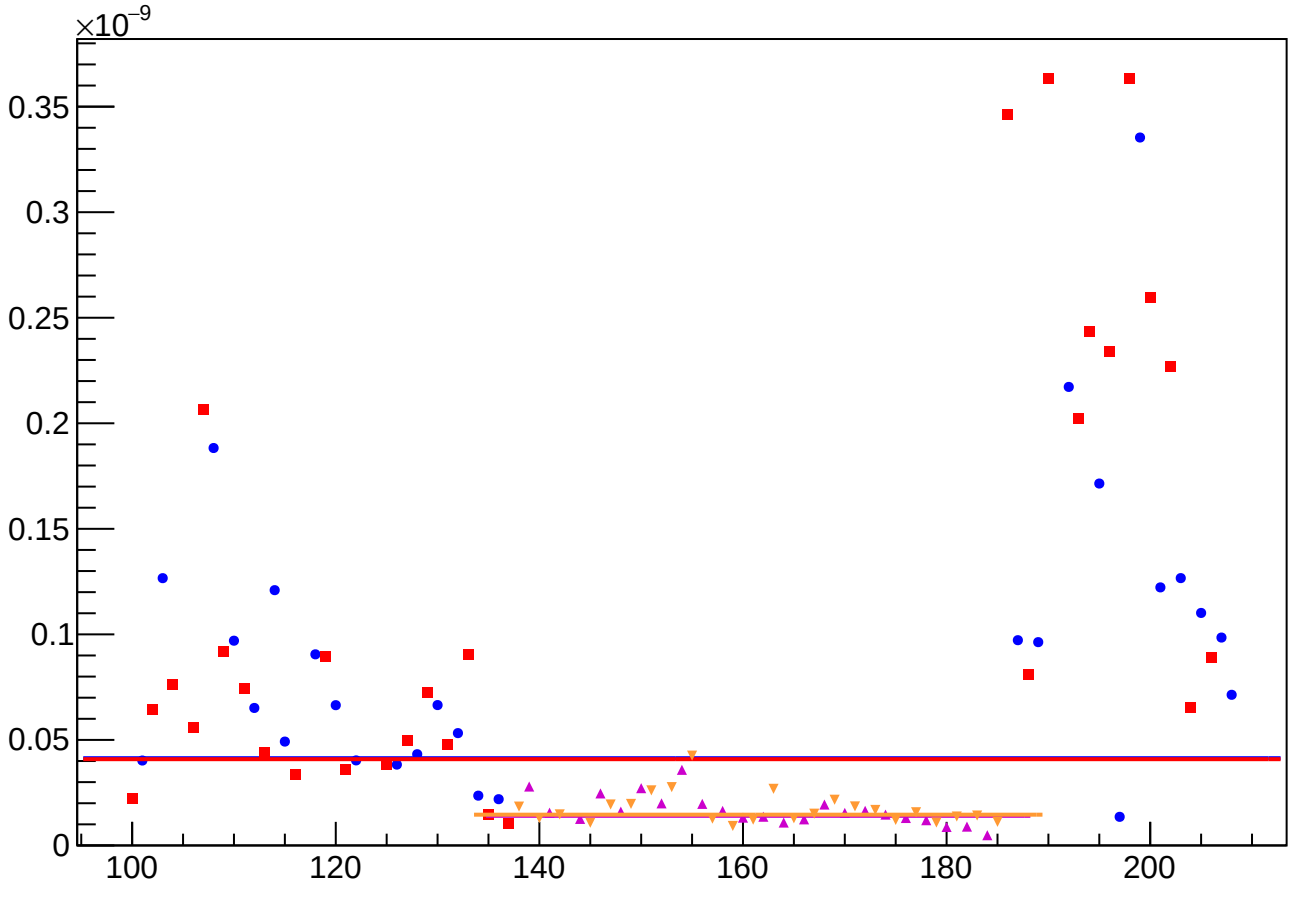
Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/28

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.9/50

All: -0.000+/-0.000 χ^2/NDF: 106.3/102

- sign -0.000+/-0.000 χ^2/NDF: 64.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 5222325.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6864987.5/28

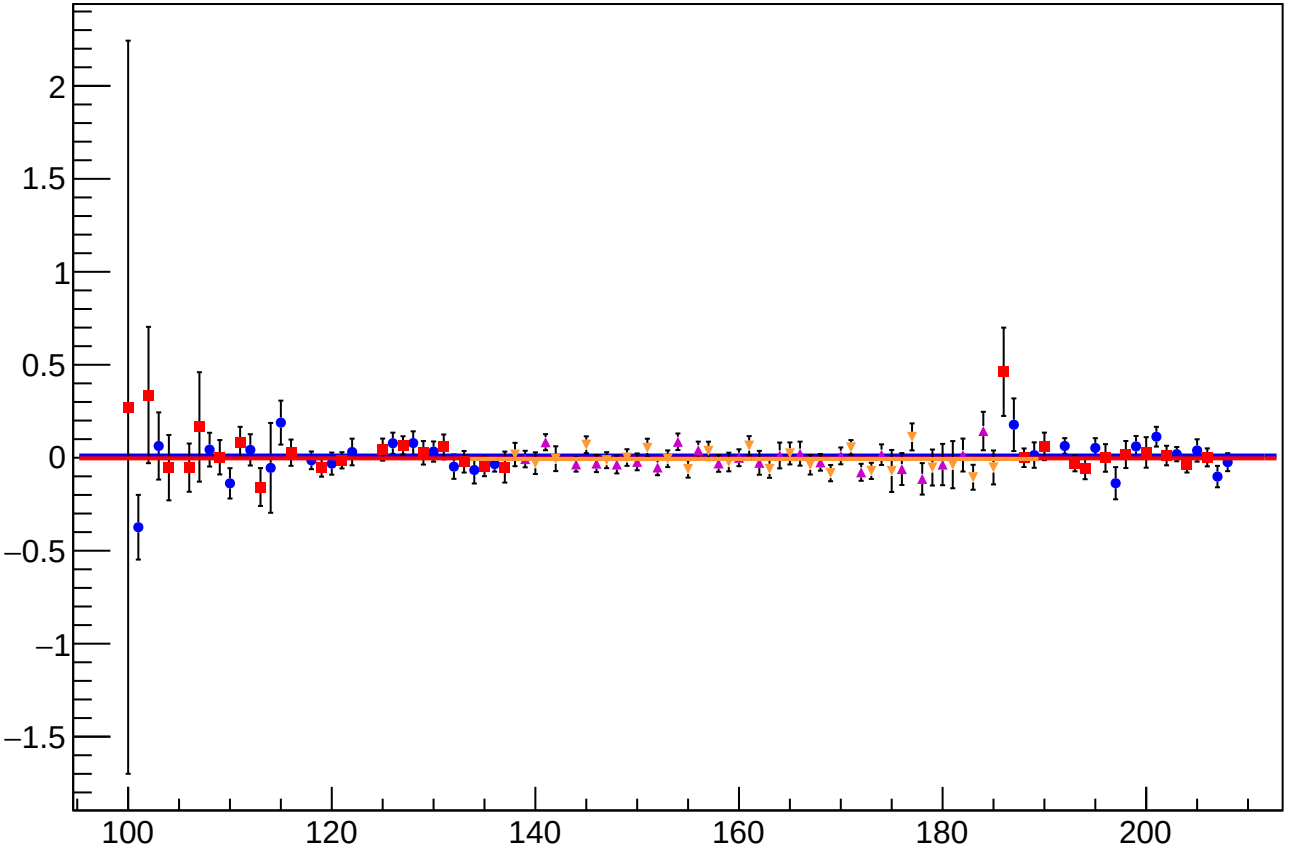
Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9239720.9/50

All: 0.000+/-0.000 χ^2/NDF: 20119901.3/102

- sign 0.000+/-0.000 χ^2/NDF: 10860623.8/51

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.012 χ^2/NDF: 33.2/26

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.003+/-0.012 χ^2/NDF: 17.9/28

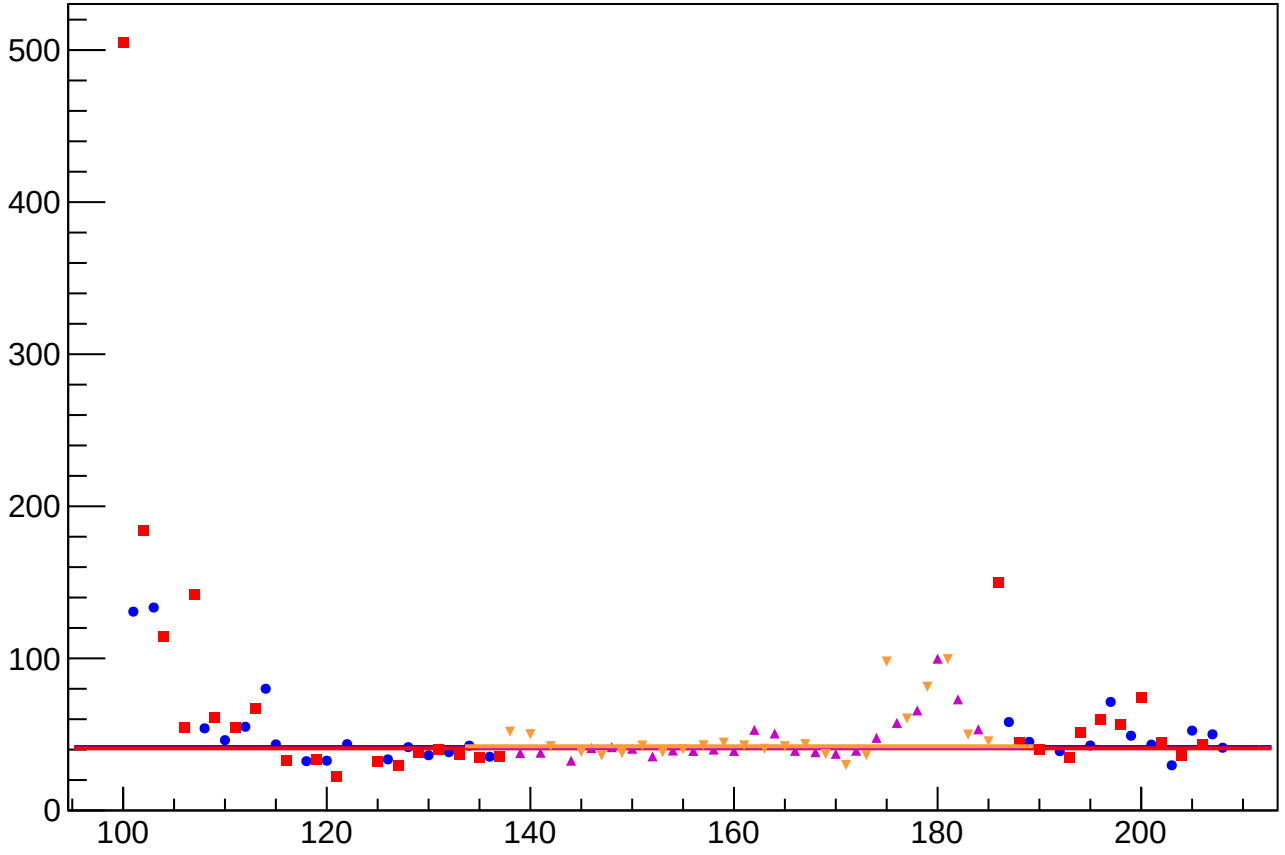
Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/50

All: -0.002+/-0.006 χ^2/NDF: 96.9/102

- sign -0.005+/-0.008 χ^2/NDF: 38.0/51

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.676+/-0.008 χ^2/NDF: 2038379.6/26

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 40.843+/-0.008 χ^2/NDF: 3082824.4/28

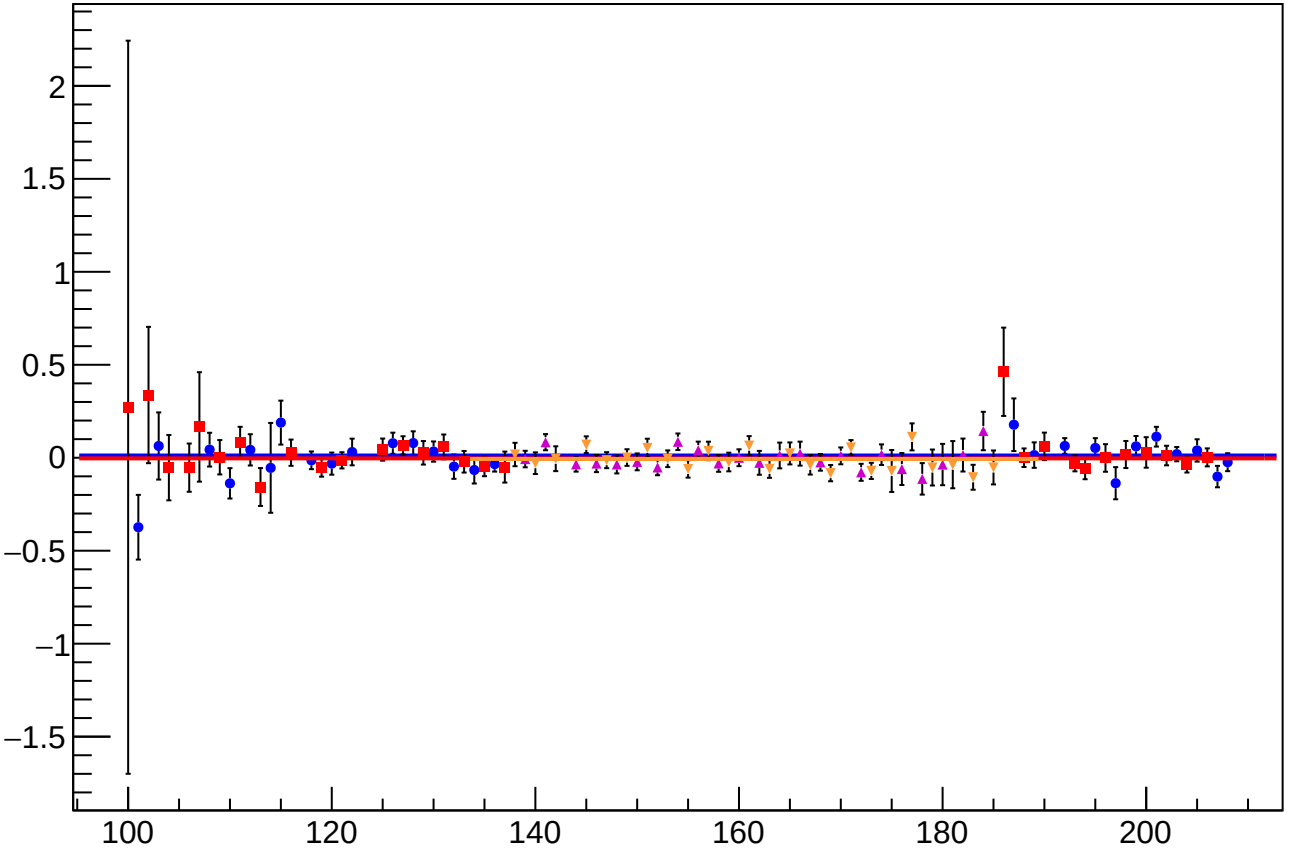
Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.964+/-0.006 χ^2/NDF: 3859927.1/50

All: 41.563+/-0.004 χ^2/NDF: 8367454.8/102

- sign 41.164+/-0.006 χ^2/NDF: 4497576.8/51

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.012 χ^2/NDF: 33.2/26

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

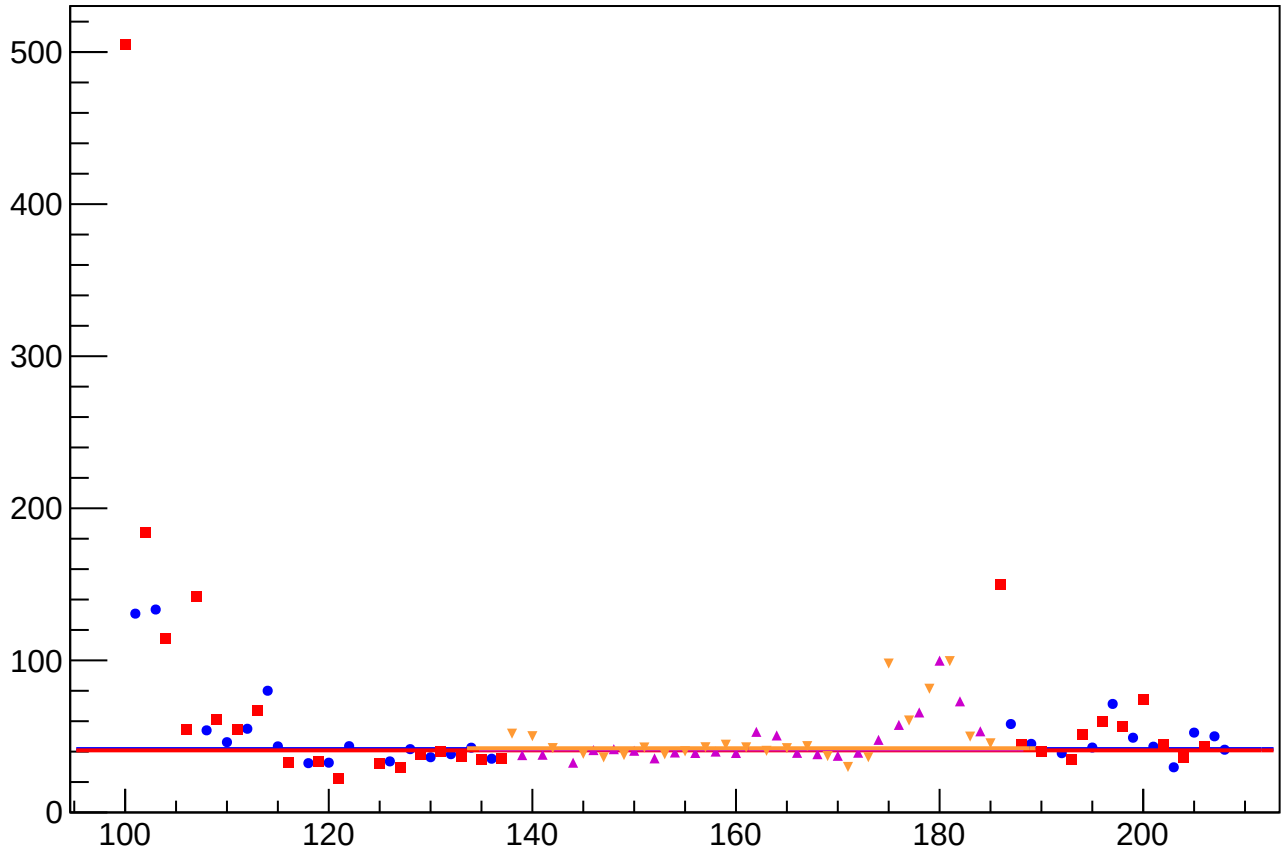
Right Out: -0.003+/-0.012 χ^2/NDF: 17.9/28

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/50

All: -0.002+/-0.006 χ^2/NDF: 96.9/102

- sign -0.005+/-0.008 χ^2/NDF: 38.0/51



Right In: 41.676+/-0.008 χ^2/NDF: 2038379.6/26

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

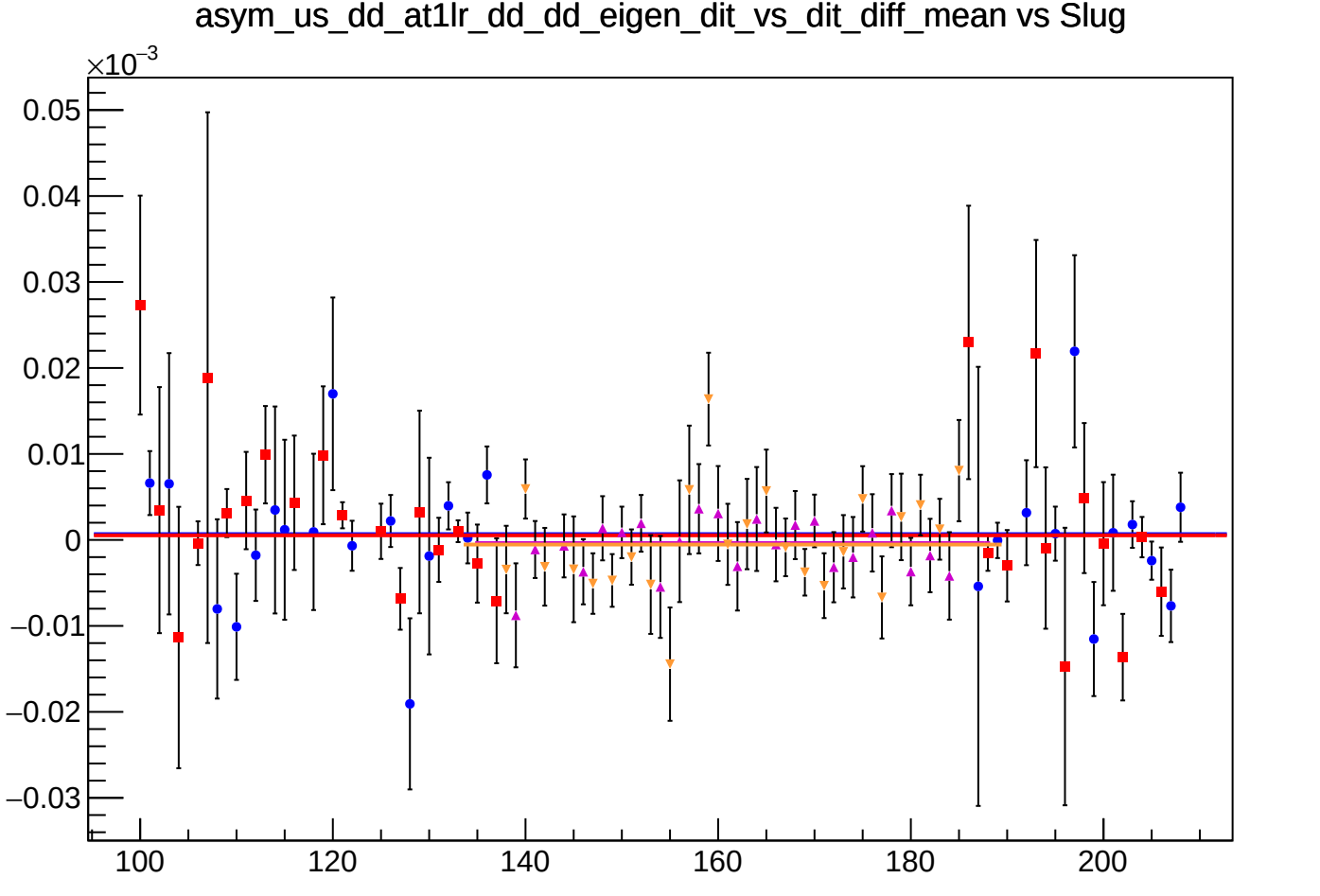
Right Out: 40.843+/-0.008 χ^2/NDF: 3082824.4/28

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

\+ sign 41.964+/-0.006 χ^2/NDF: 3859927.1/50

All: 41.563+/-0.004 χ^2/NDF: 8367454.8/102

\- sign 41.164+/-0.006 χ^2/NDF: 4497576.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

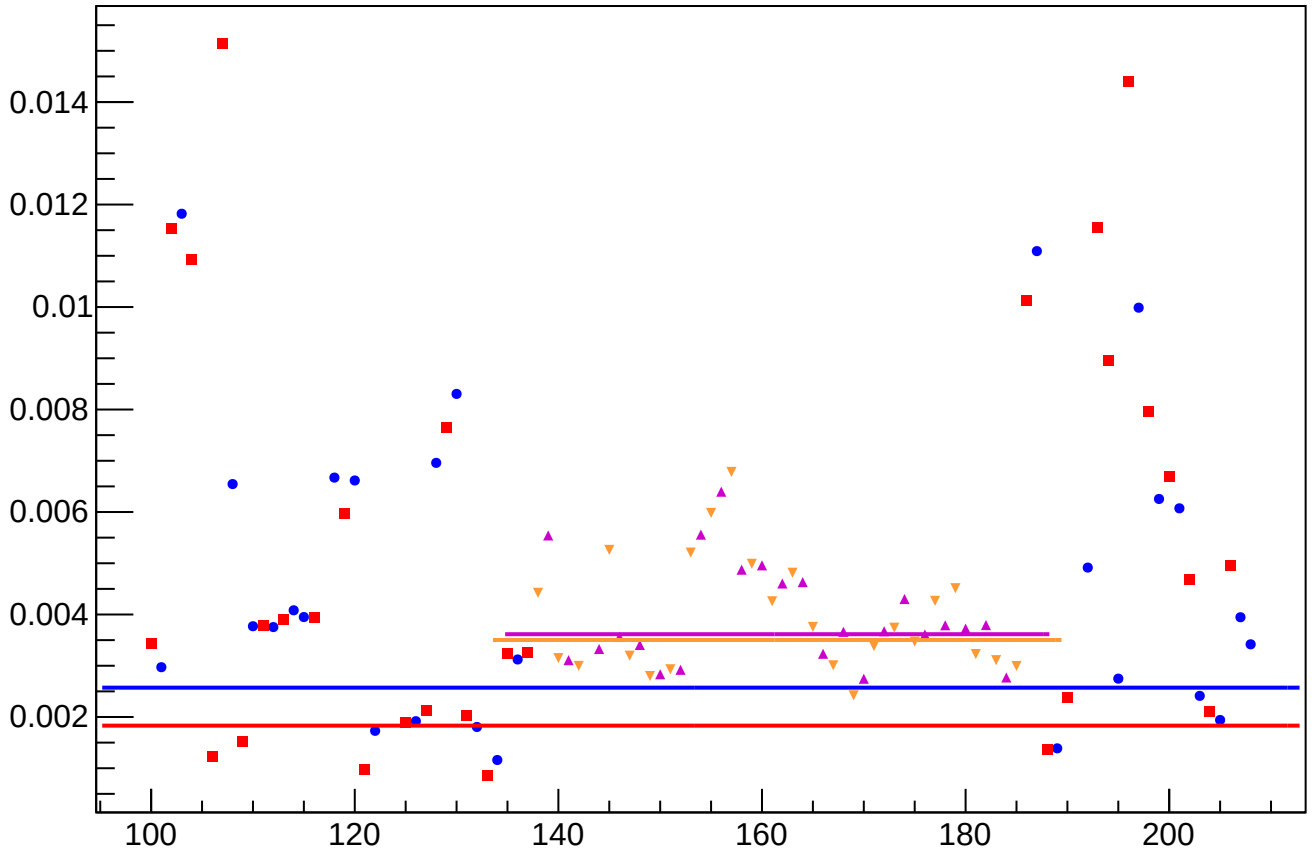
Right Out: 0.000+/-0.000 χ^2/NDF: 36.9/28

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.0/50

All: 0.000+/-0.000 χ^2/NDF: 118.3/102

- sign 0.000+/-0.000 χ^2/NDF: 47.2/51



Right In: 0.003+/-0.000 χ^2/NDF: 7473219.9/26

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

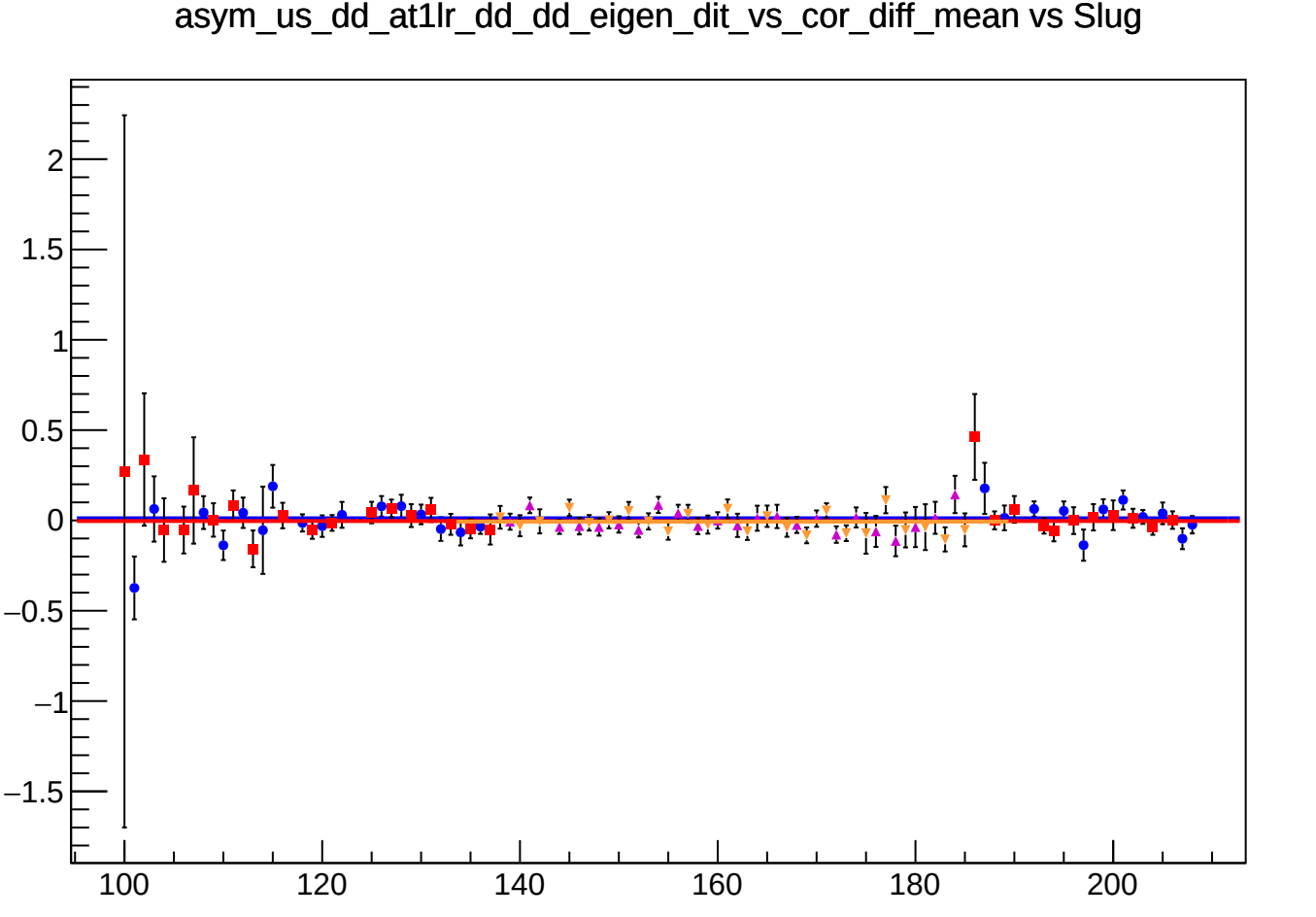
Right Out: 0.002+/-0.000 χ^2/NDF: 13427344.3/28

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 10975178.6/50

All: 0.003+/-0.000 χ^2/NDF: 32408028.2/102

- sign 0.002+/-0.000 χ^2/NDF: 20483751.0/51



Right In: 0.012+/-0.012 χ^2/NDF: 33.2/26

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

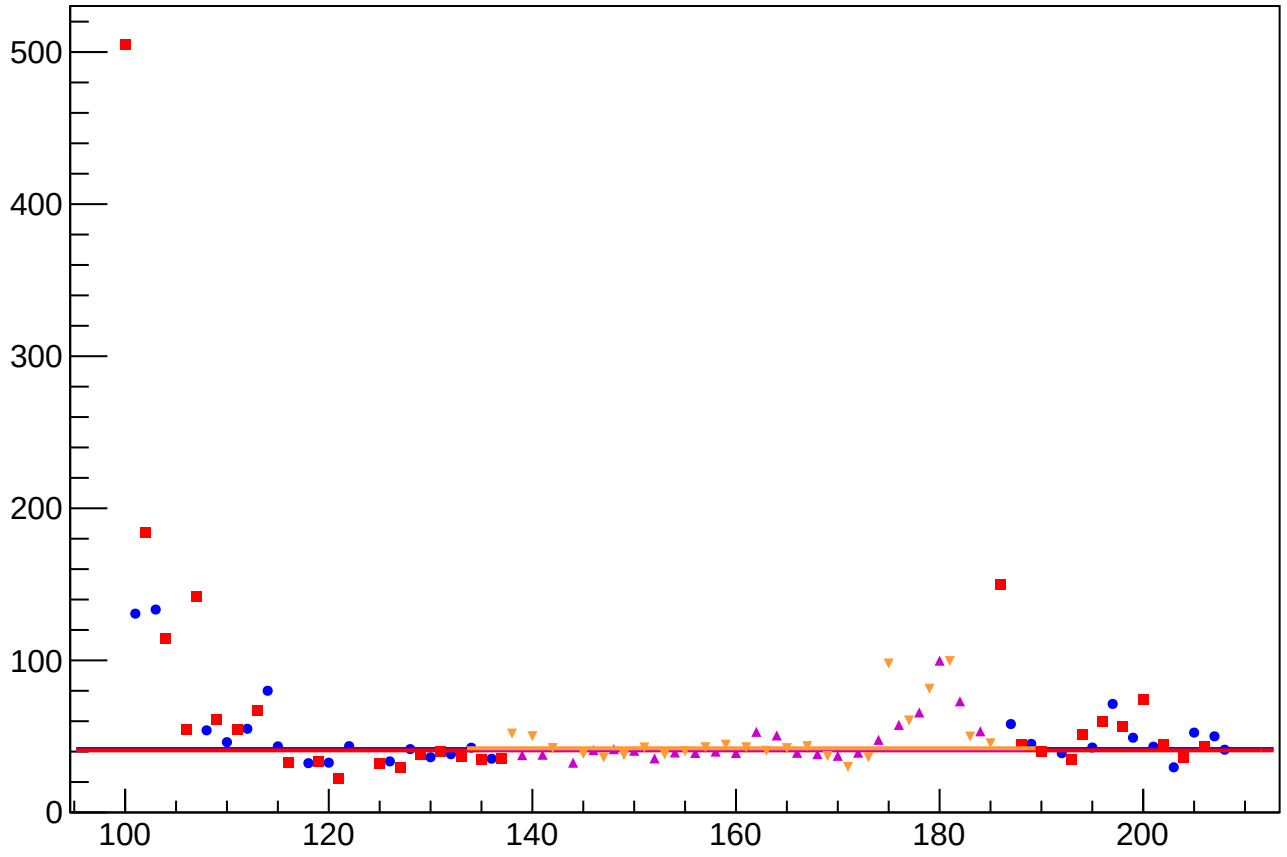
Right Out: -0.003+/-0.012 χ^2/NDF: 17.9/28

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

\+ sign 0.002+/-0.008 χ^2/NDF: 58.5/50

All: -0.002+/-0.006 χ^2/NDF: 96.9/102

\- sign -0.005+/-0.008 χ^2/NDF: 38.0/51



Right In: 41.677+/-0.008 χ^2/NDF: 2038281.7/26

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 40.842+/-0.008 χ^2/NDF: 3083019.7/28

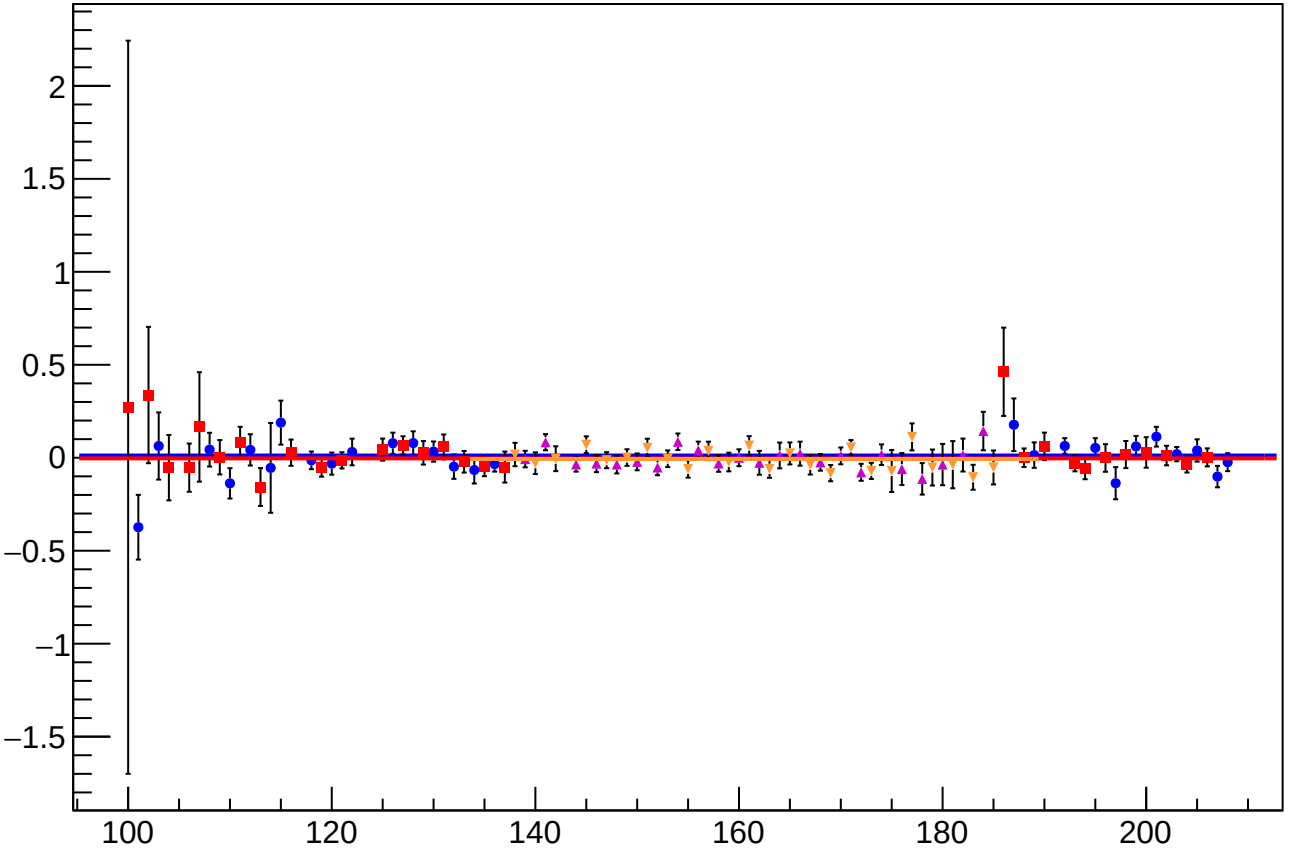
Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.964+/-0.006 χ^2/NDF: 3859830.9/50

All: 41.562+/-0.004 χ^2/NDF: 8367504.1/102

- sign 41.163+/-0.006 χ^2/NDF: 4497711.6/51

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.012 χ^2/NDF: 33.2/26

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

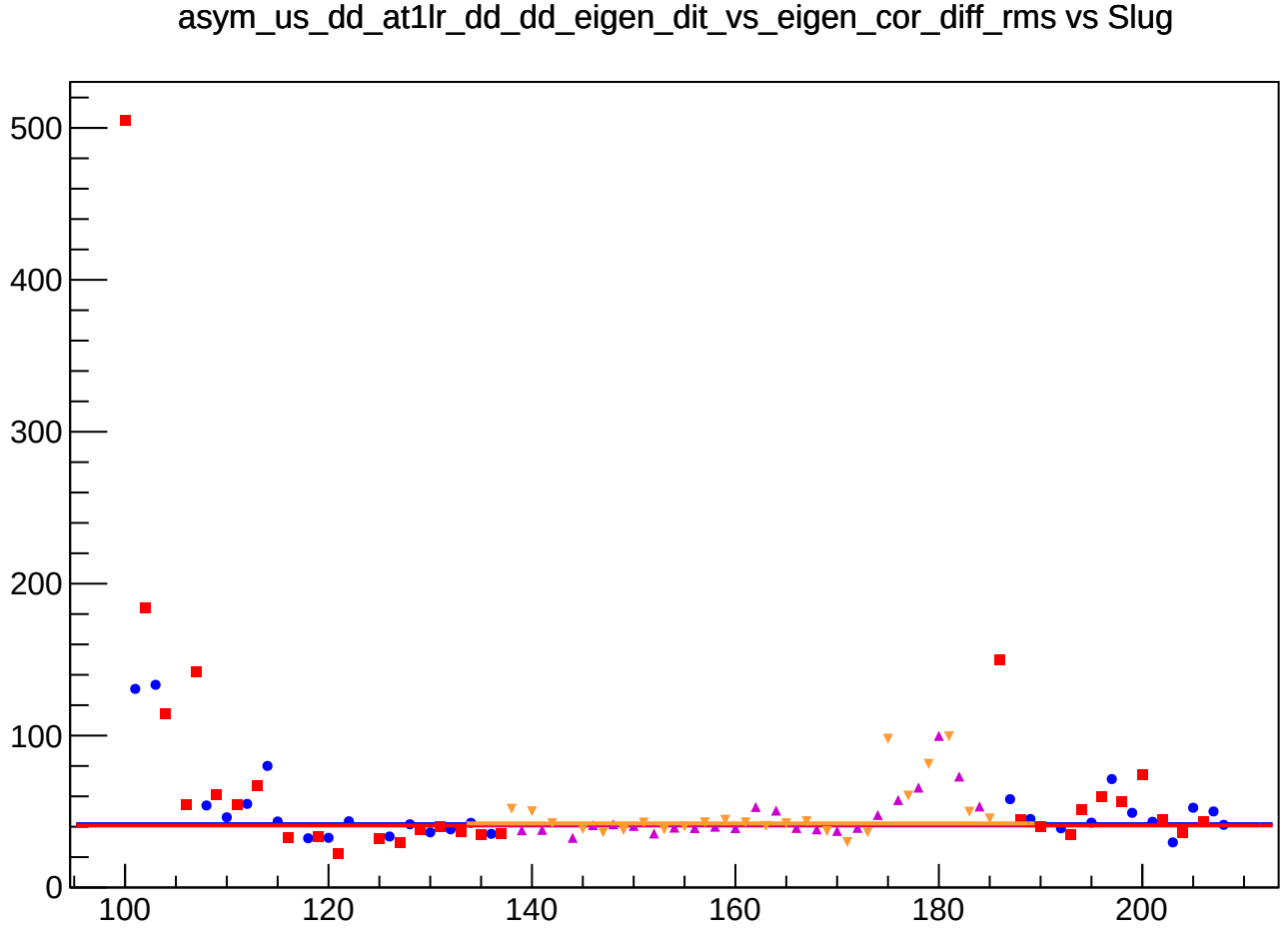
Right Out: -0.003+/-0.012 χ^2/NDF: 17.9/28

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/50

All: -0.002+/-0.006 χ^2/NDF: 96.9/102

- sign -0.005+/-0.008 χ^2/NDF: 38.0/51



Right In: 41.677+/-0.008 χ^2/NDF: 2038281.7/26

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

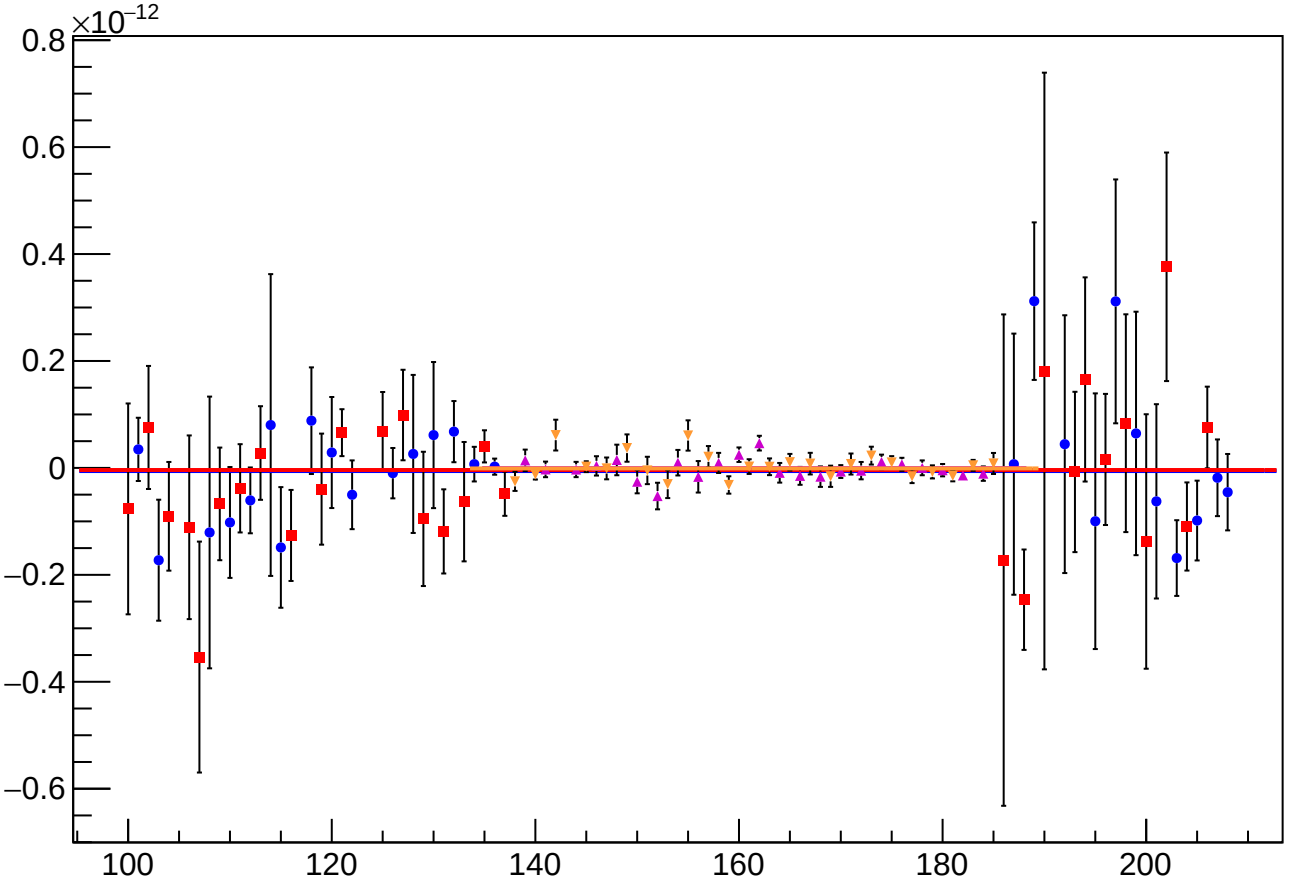
Right Out: 40.842+/-0.008 χ^2/NDF: 3083019.7/28

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 41.964+/-0.006 χ^2/NDF: 3859830.9/50

All: 41.562+/-0.004 χ^2/NDF: 8367504.1/102

\- sign 41.163+/-0.006 χ^2/NDF: 4497711.6/51



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

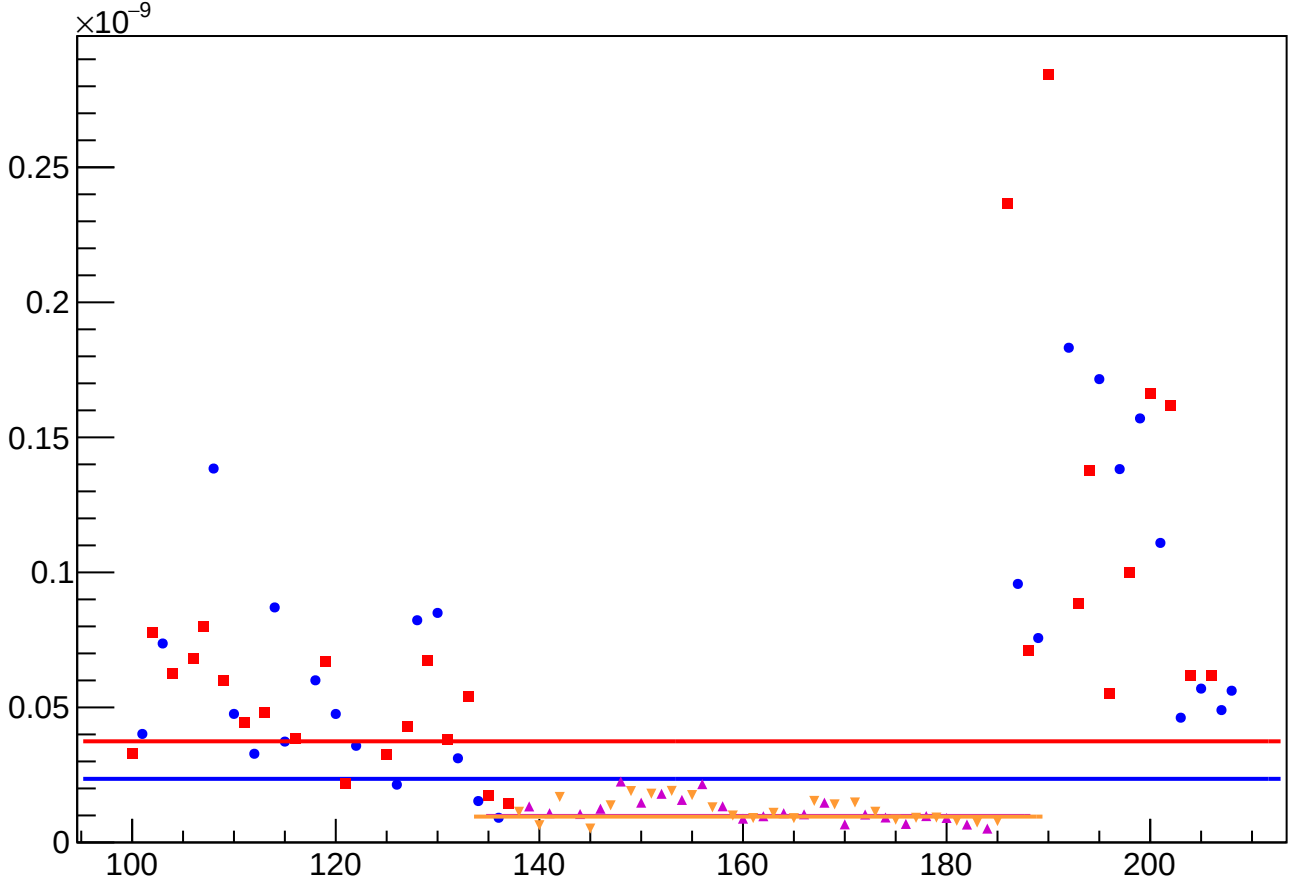
Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/28

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.9/50

All: -0.000+/-0.000 χ^2/NDF: 114.9/102

- sign -0.000+/-0.000 χ^2/NDF: 60.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 9412501.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6433315.2/28

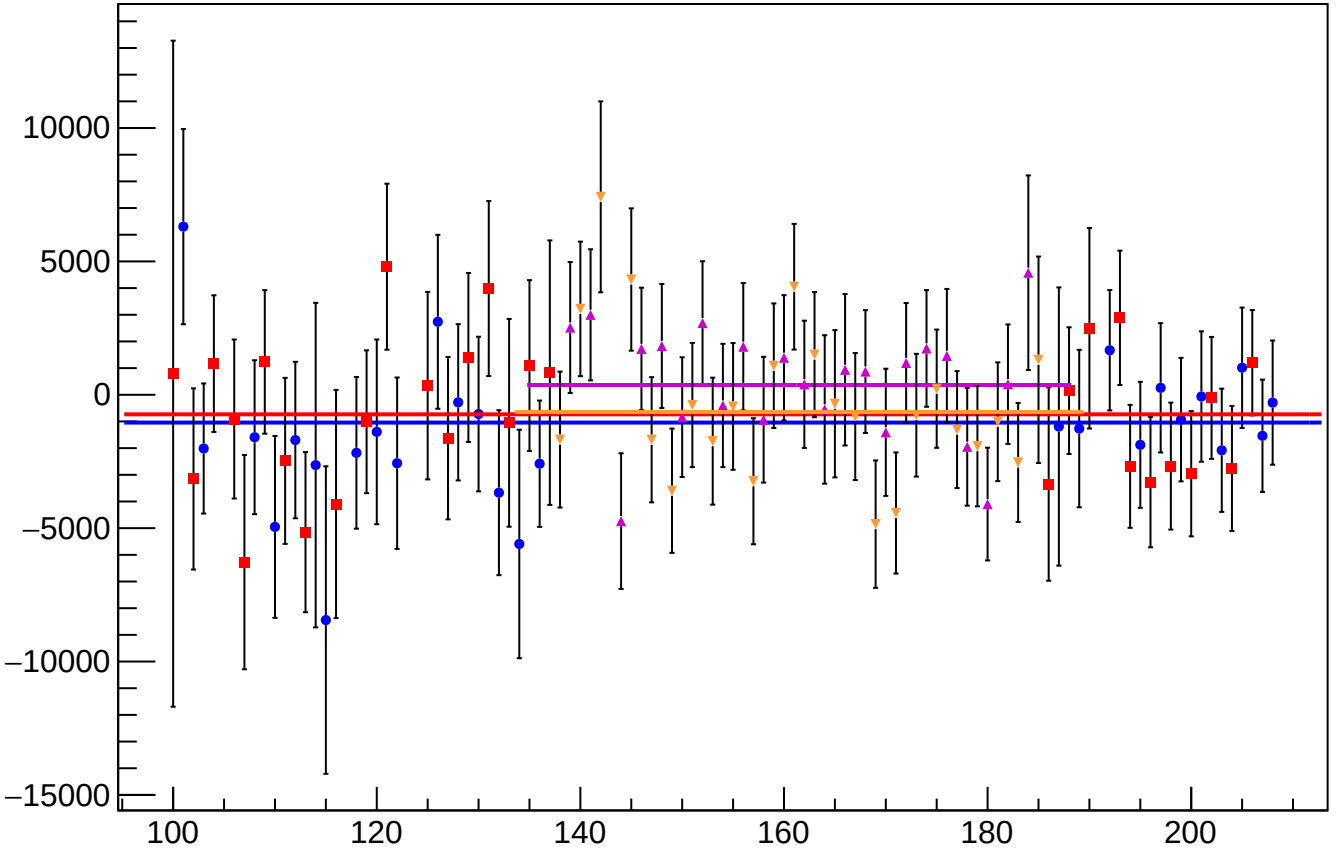
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 14905818.3/50

All: 0.000+/-0.000 χ^2/NDF: 29941688.7/102

- sign 0.000+/-0.000 χ^2/NDF: 15020497.5/51

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1041.217+/-539.263 χ^2/NDF: 14.6/26

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -732.295+/-535.960 χ^2/NDF: 21.5/28

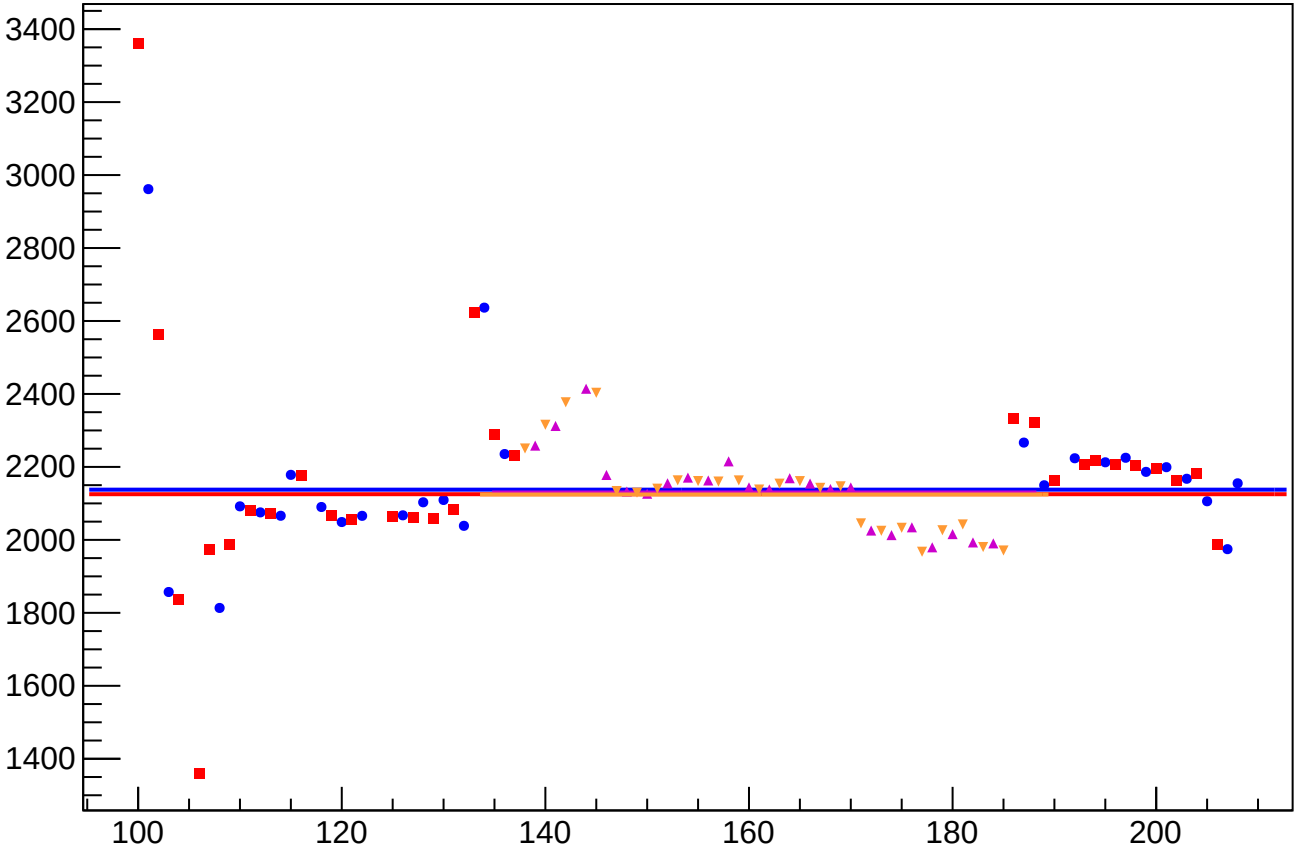
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -825.012+/-364.135 χ^2/NDF: 42.0/50

All: -484.289+/-257.711 χ^2/NDF: 84.9/102

- sign -142.358+/-364.781 χ^2/NDF: 41.1/51

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2137.676+/-0.381 χ^2/NDF: 215374.2/26

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

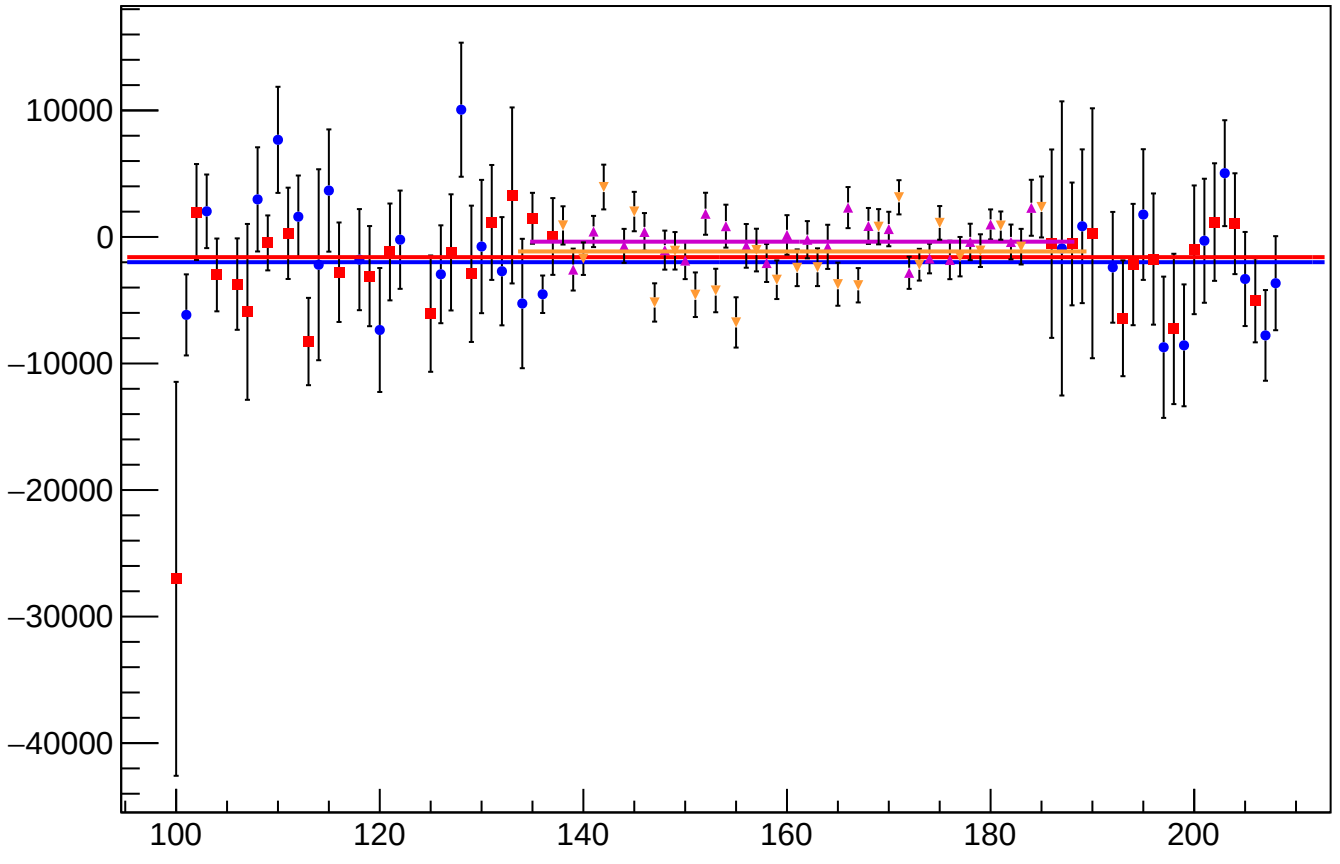
Right Out: 2125.214+/-0.379 χ^2/NDF: 306184.3/28

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2130.473+/-0.257 χ^2/NDF: 305214.0/50

All: 2129.103+/-0.182 χ^2/NDF: 696891.4/102

- sign 2127.728+/-0.258 χ^2/NDF: 391620.7/51



Right In: -1993.862+/-732.214 χ^2/NDF: 33.0/26

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

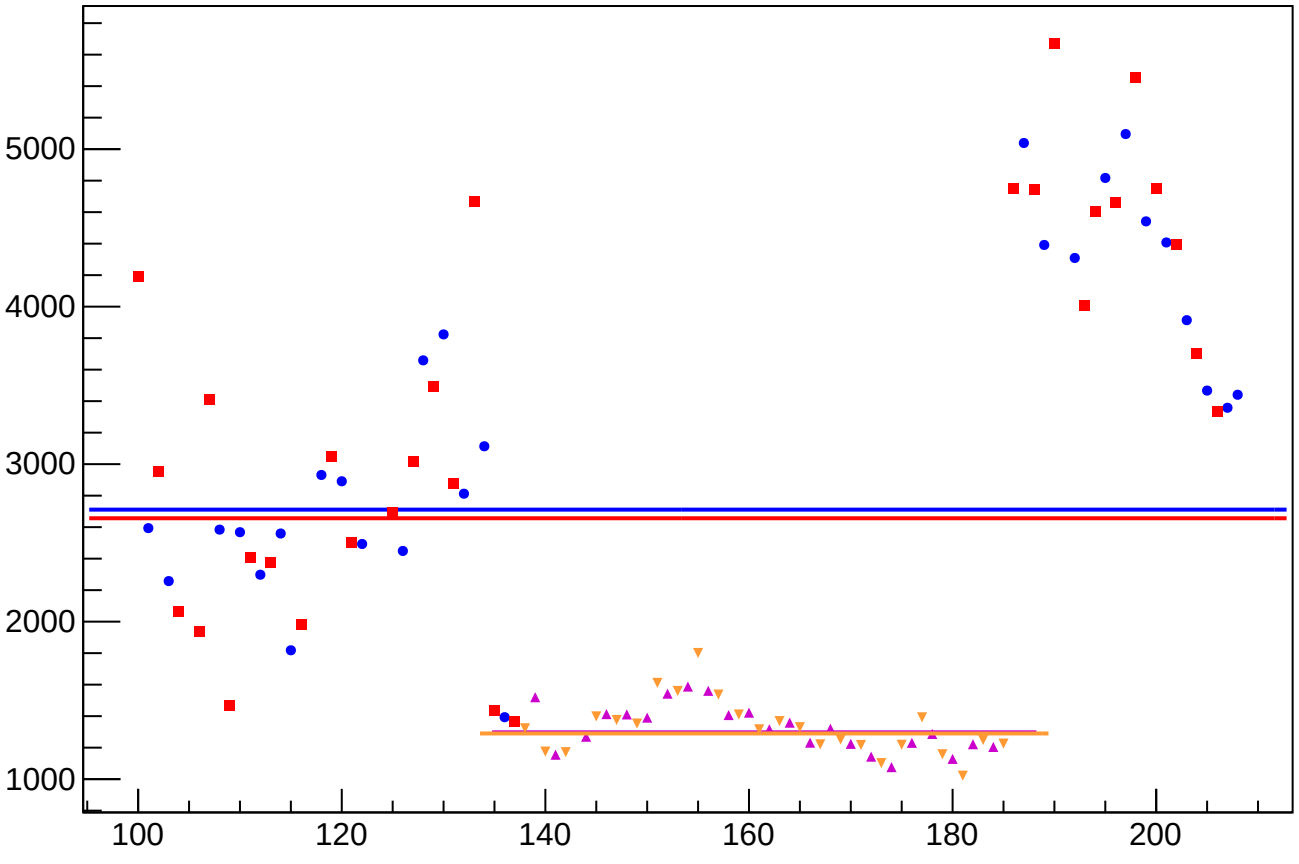
Right Out: -1595.356+/-728.970 χ^2/NDF: 17.5/28

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1268.594+/-279.571 χ^2/NDF: 101.6/50

All: -914.825+/-198.422 χ^2/NDF: 145.1/102

- sign -555.745+/-281.662 χ^2/NDF: 40.2/51



Right In: 2711.264+/-0.518 χ^2/NDF: 4047990.1/26

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2656.375+/-0.515 χ^2/NDF: 5051811.2/28

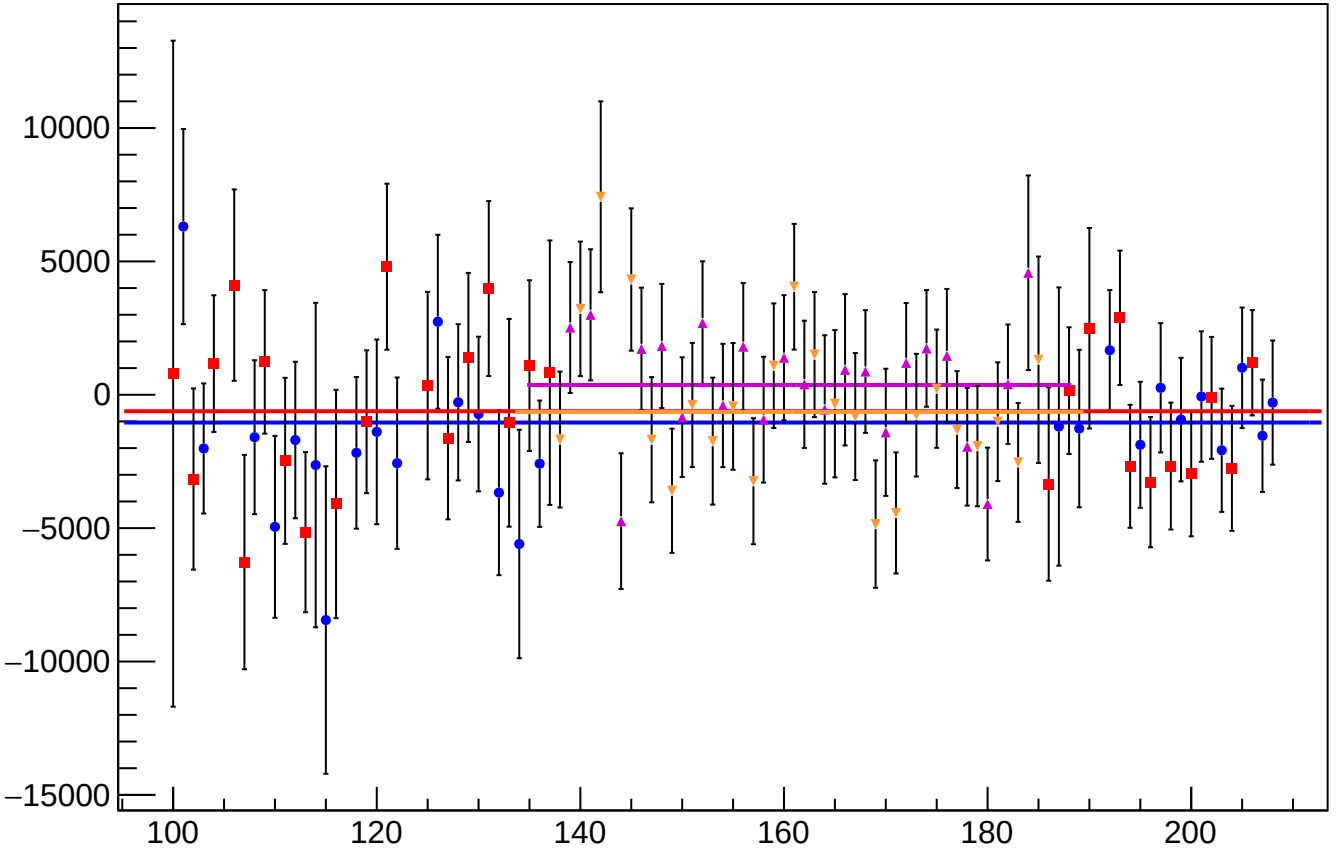
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1497.222+/-0.198 χ^2/NDF: 11052503.8/50

All: 1498.765+/-0.140 χ^2/NDF: 22451046.6/1

- sign 1500.330+/-0.199 χ^2/NDF: 11398420.1/51

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1041.272+/-539.263 χ^2/NDF: 14.6/26

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -617.490+/-538.667 χ^2/NDF: 23.3/28

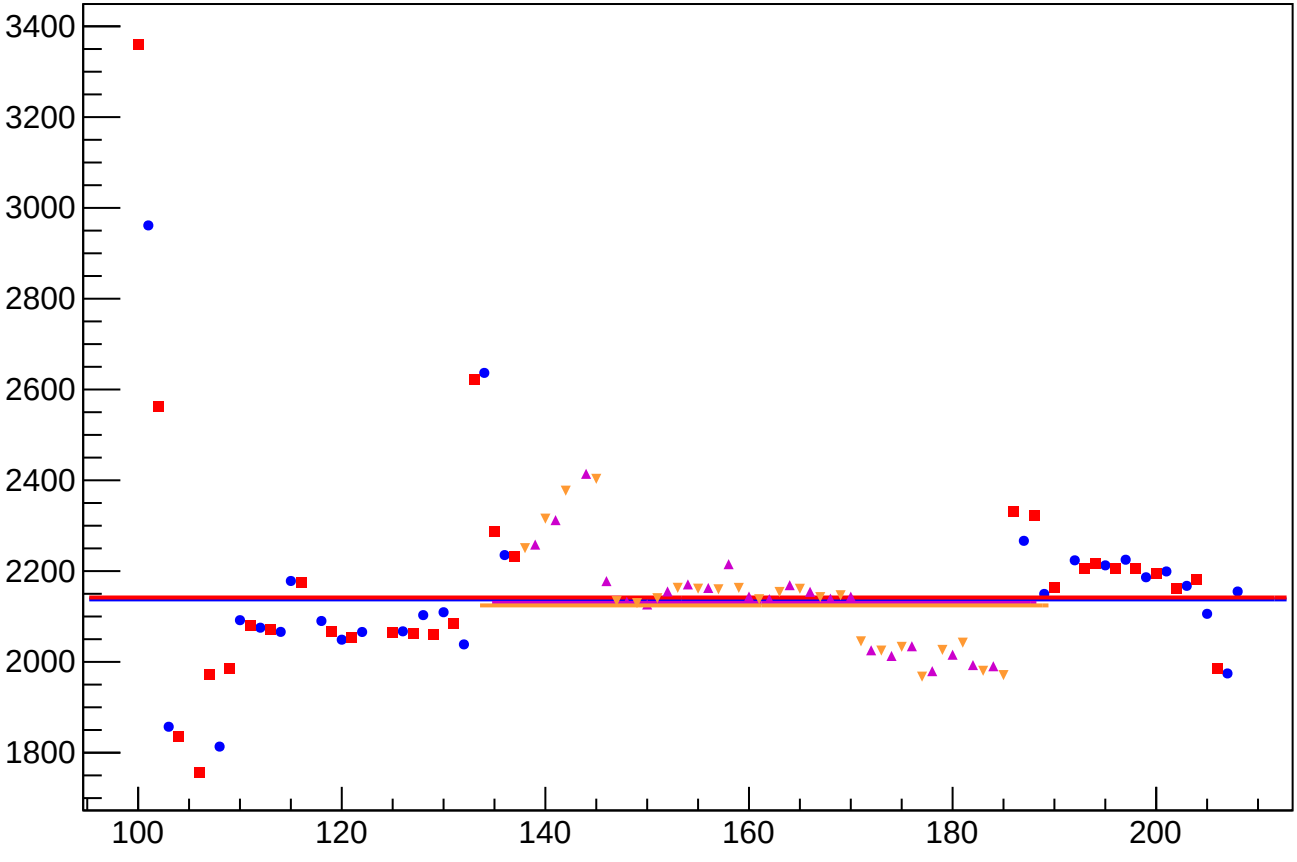
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -824.961+/-364.135 χ^2/NDF: 42.1/50

All: -457.379+/-258.010 χ^2/NDF: 86.5/102

- sign -86.771+/-365.631 χ^2/NDF: 42.4/51

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2137.675+/-0.381 χ^2/NDF: 215374.5/26

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

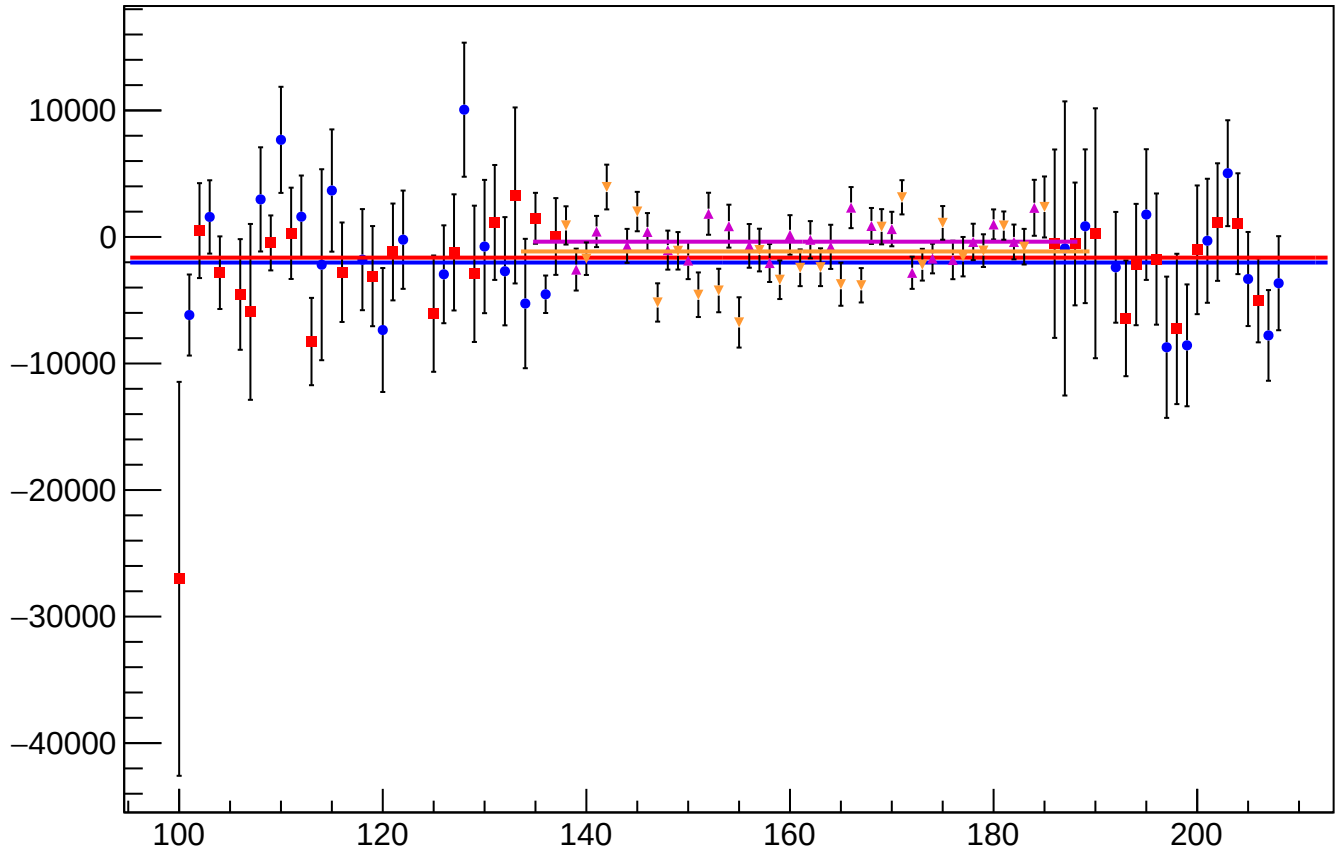
Right Out: 2141.866+/-0.381 χ^2/NDF: 193872.9/28

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2130.473+/-0.257 χ^2/NDF: 305214.3/50

All: 2132.932+/-0.182 χ^2/NDF: 585157.3/102

- sign 2135.412+/-0.259 χ^2/NDF: 279759.9/51



Right In: -2021.158+/-732.035 χ^2/NDF: 32.6/26

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

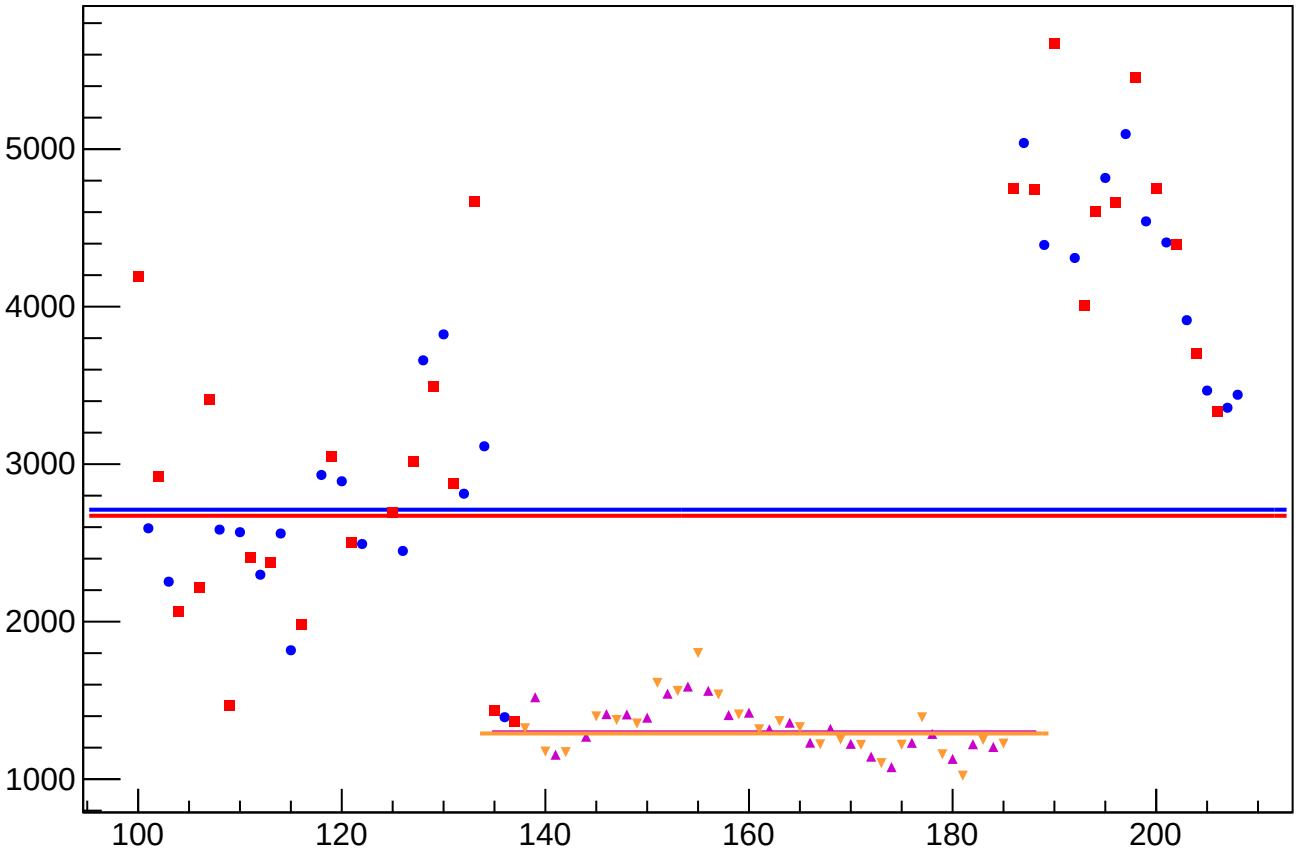
Right Out: -1632.699+/-733.297 χ^2/NDF: 17.0/28

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1272.596+/-279.563 χ^2/NDF: 101.3/50

All: -918.948+/-198.505 χ^2/NDF: 144.4/102

- sign -559.337+/-281.910 χ^2/NDF: 39.8/51



Right In: 2710.777+/-0.518 χ^2/NDF: 4049120.3/26

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

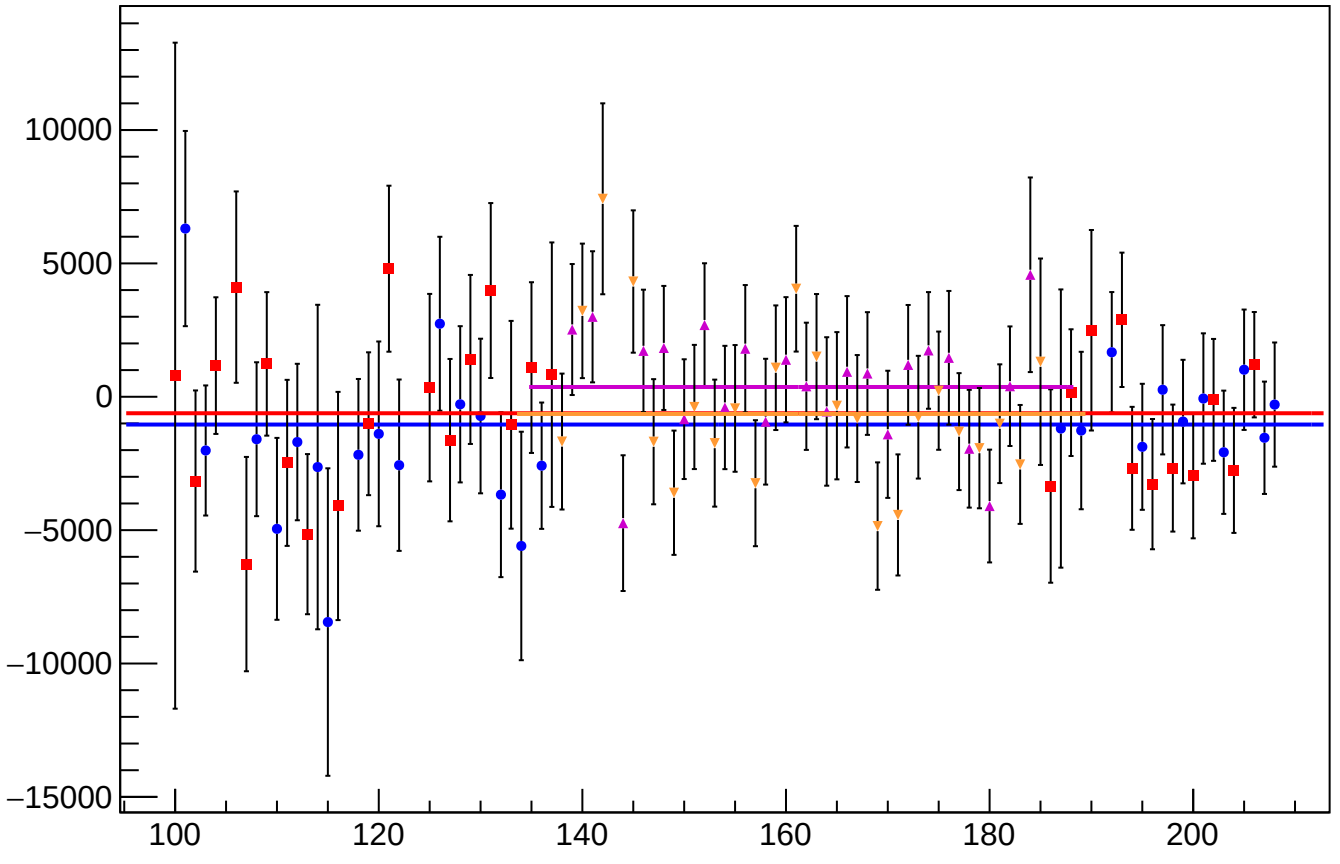
Right Out: 2672.295+/-0.519 χ^2/NDF: 4991370.6/28

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1497.249+/-0.198 χ^2/NDF: 11051712.9/50

All: 1498.937+/-0.140 χ^2/NDF: 22468474.9/1

- sign 1500.652+/-0.199 χ^2/NDF: 11416615.1/51



Right In: -1041.272+/-539.263 χ^2/NDF: 14.6/26

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -617.490+/-538.667 χ^2/NDF: 23.3/28

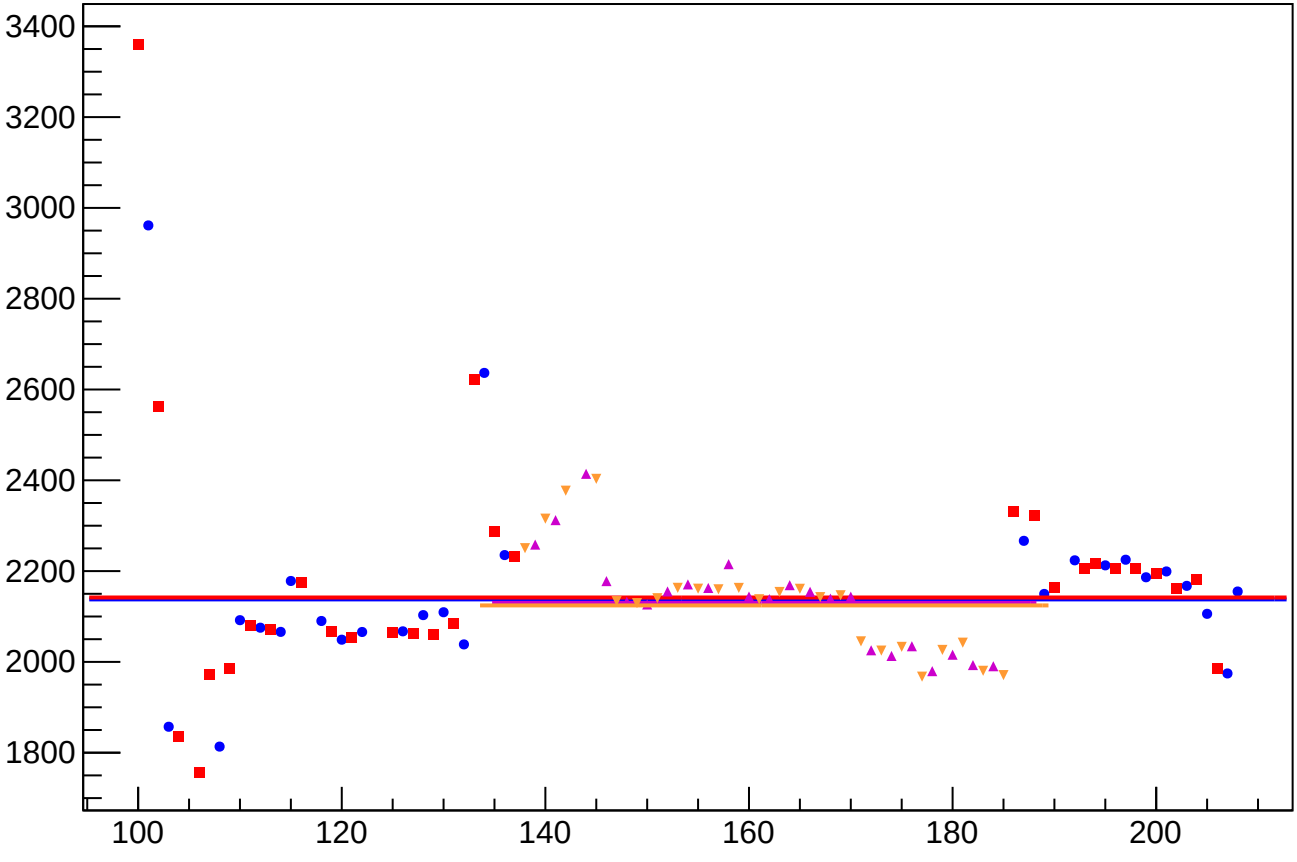
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -824.961+/-364.135 χ^2/NDF: 42.1/50

All: -457.379+/-258.010 χ^2/NDF: 86.5/102

- sign -86.771+/-365.631 χ^2/NDF: 42.4/51

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2137.675+/-0.381 χ^2/NDF: 215374.5/26

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

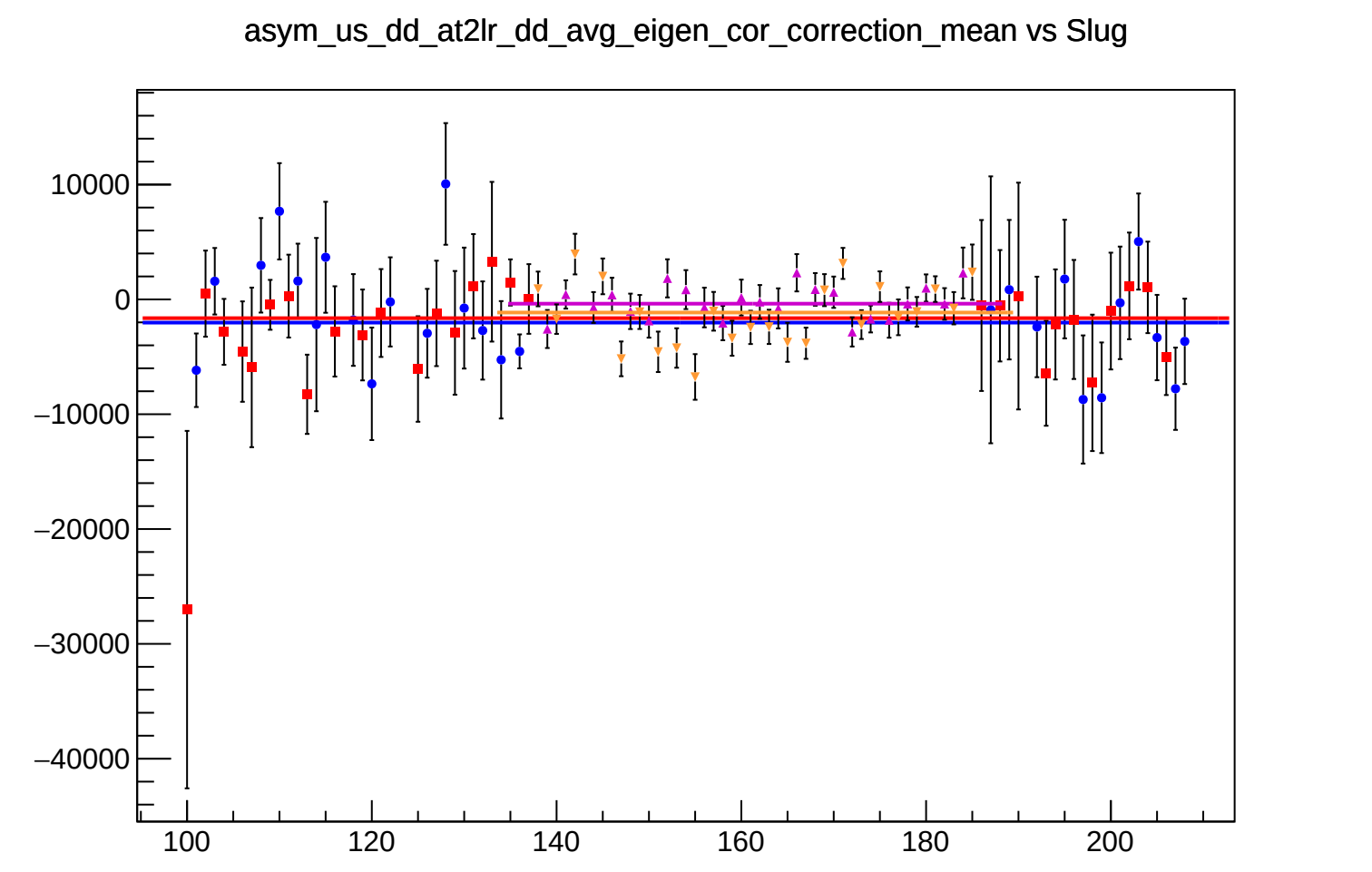
Right Out: 2141.866+/-0.381 χ^2/NDF: 193872.9/28

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2130.473+/-0.257 χ^2/NDF: 305214.3/50

All: 2132.932+/-0.182 χ^2/NDF: 585157.3/102

- sign 2135.412+/-0.259 χ^2/NDF: 279759.9/51



Right In: -2021.158+/-732.035 χ^2/NDF: 32.6/26

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

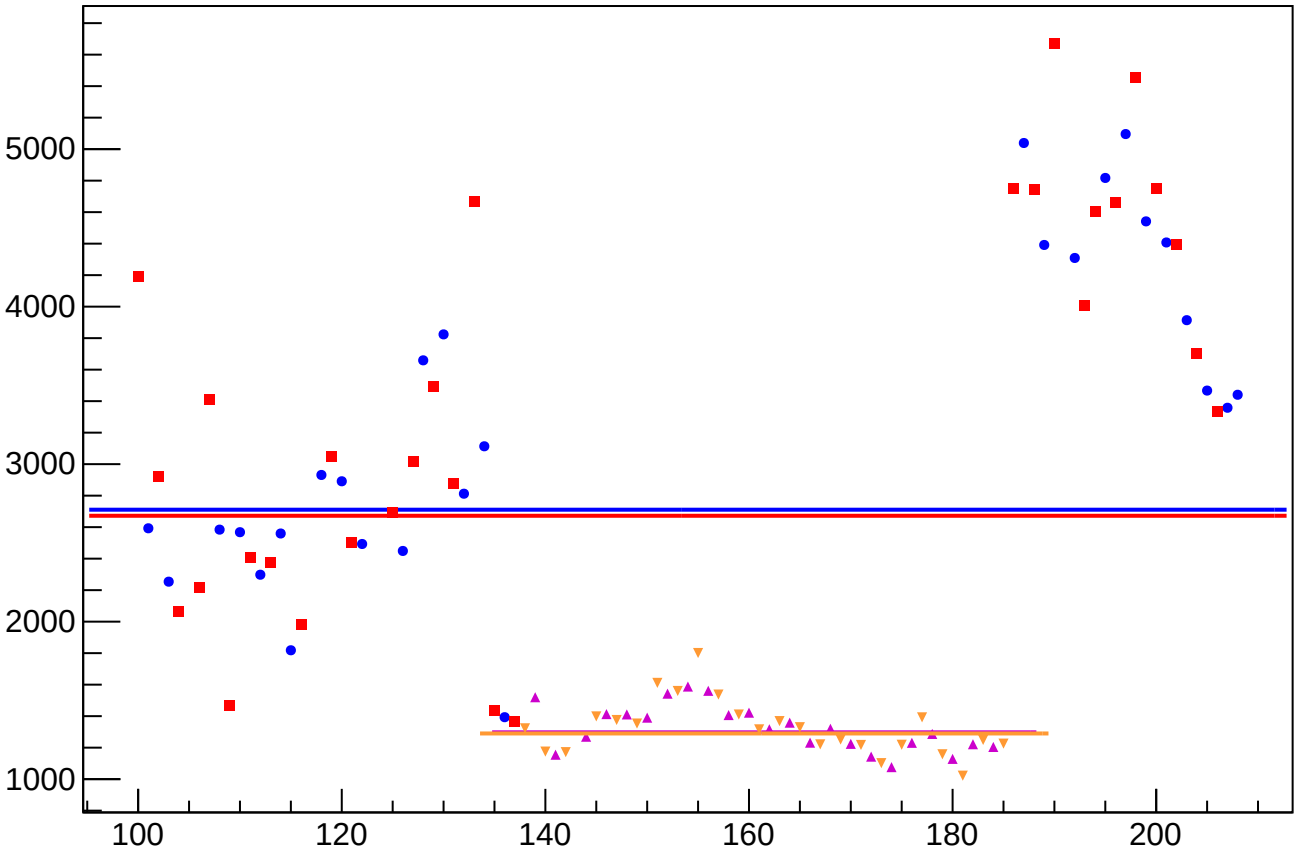
Right Out: -1632.699+/-733.297 χ^2/NDF: 17.0/28

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1272.596+/-279.563 χ^2/NDF: 101.3/50

All: -918.948+/-198.505 χ^2/NDF: 144.4/102

- sign -559.337+/-281.910 χ^2/NDF: 39.8/51



Right In: 2710.777+/-0.518 χ^2/NDF: 4049120.3/26

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2672.295+/-0.519 χ^2/NDF: 4991370.6/28

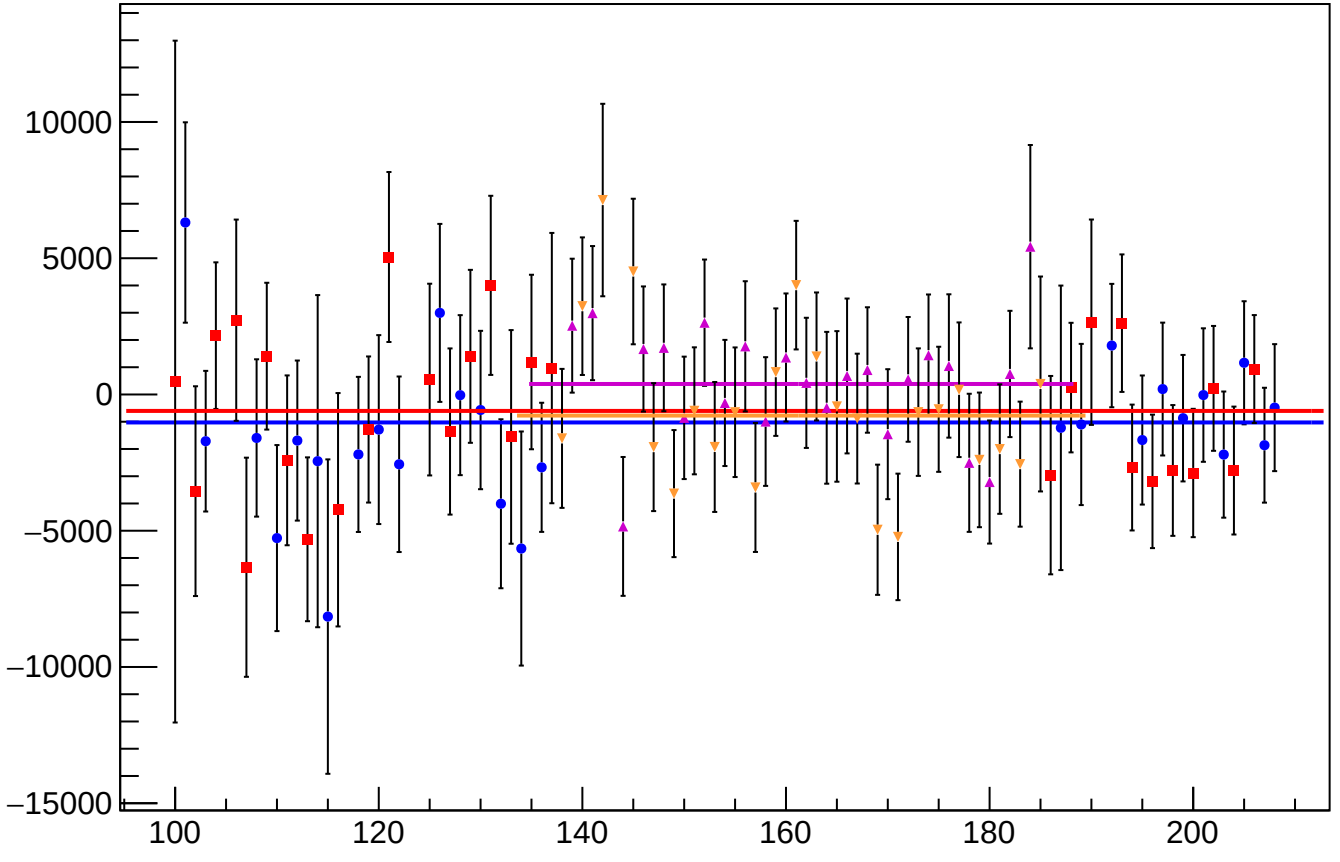
Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1497.249+/-0.198 χ^2/NDF: 11051712.9/50

All: 1498.937+/-0.140 χ^2/NDF: 22468474.9/1

- sign 1500.652+/-0.199 χ^2/NDF: 11416615.1/51

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1026.572+/-541.750 χ^2/NDF: 15.4/26

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -603.342+/-542.830 χ^2/NDF: 23.1/28

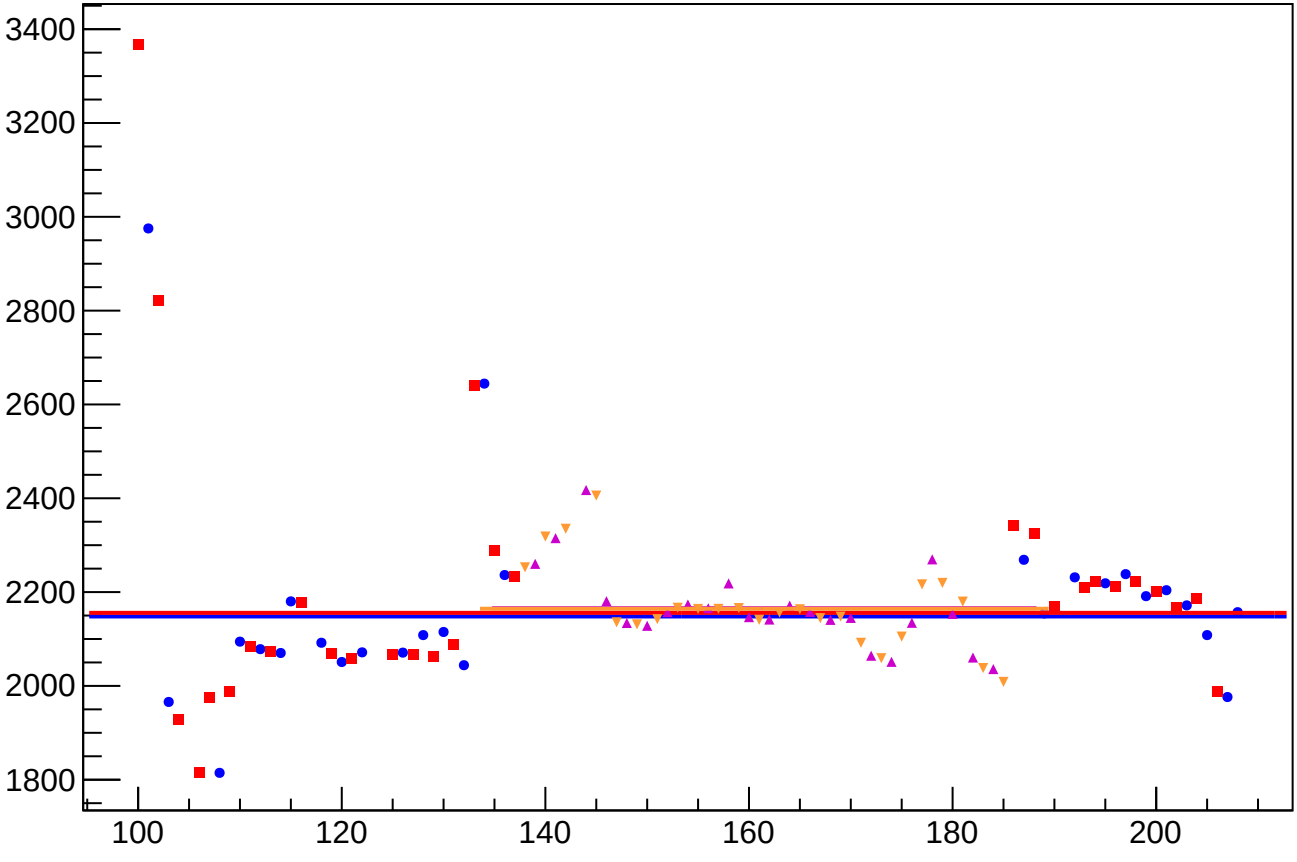
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -890.659+/-368.541 χ^2/NDF: 44.0/50

All: -484.317+/-261.166 χ^2/NDF: 87.0/102

- sign -74.415+/-370.152 χ^2/NDF: 40.5/51

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2148.029+/-0.383 χ^2/NDF: 201016.8/26

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

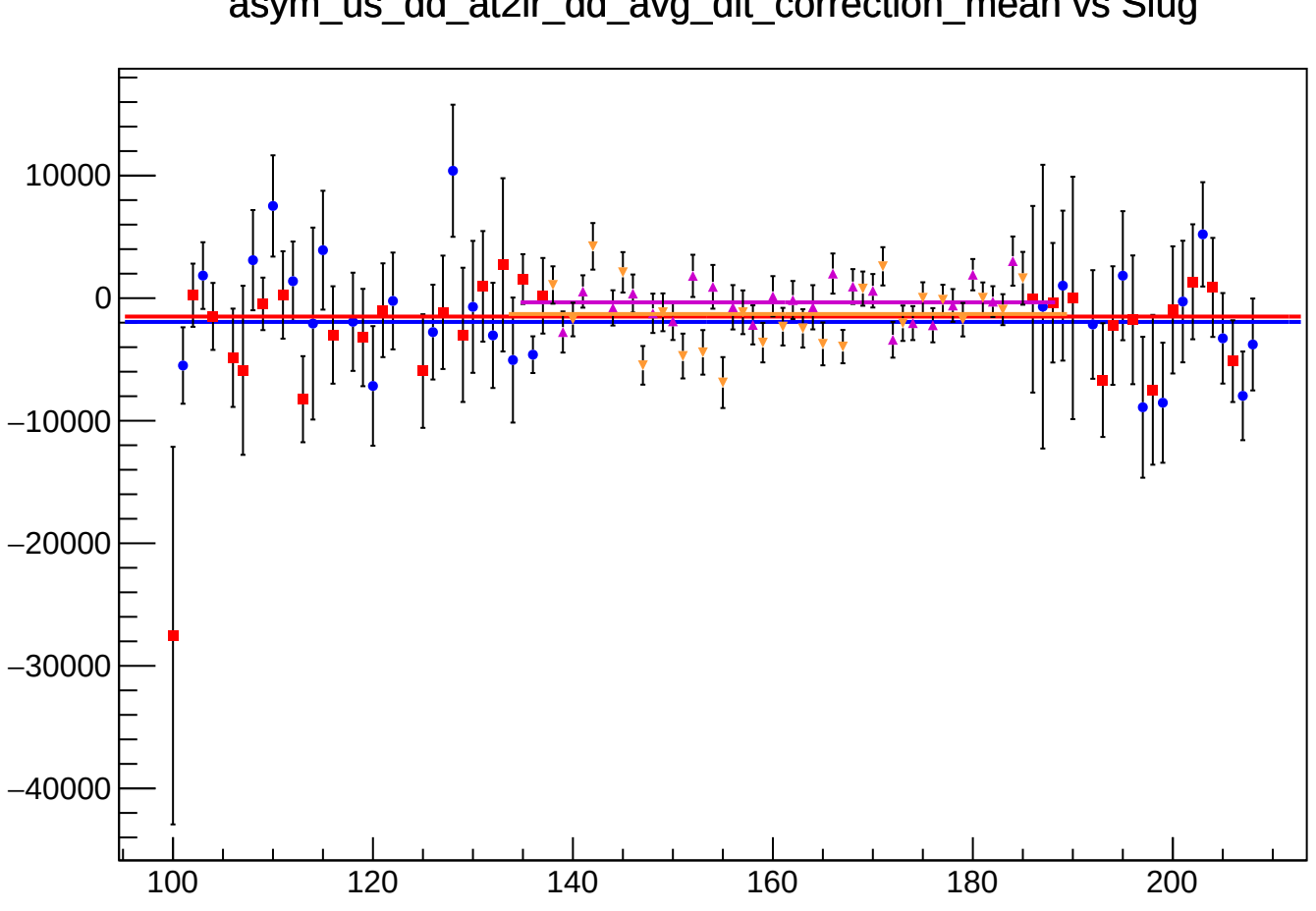
Right Out: 2155.725+/-0.384 χ^2/NDF: 204199.8/28

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2156.895+/-0.261 χ^2/NDF: 252690.1/50

All: 2158.954+/-0.185 χ^2/NDF: 509497.0/102

- sign 2161.032+/-0.262 χ^2/NDF: 256681.4/51



Right In: -1940.054+/-732.705 χ^2/NDF: 32.9/26

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

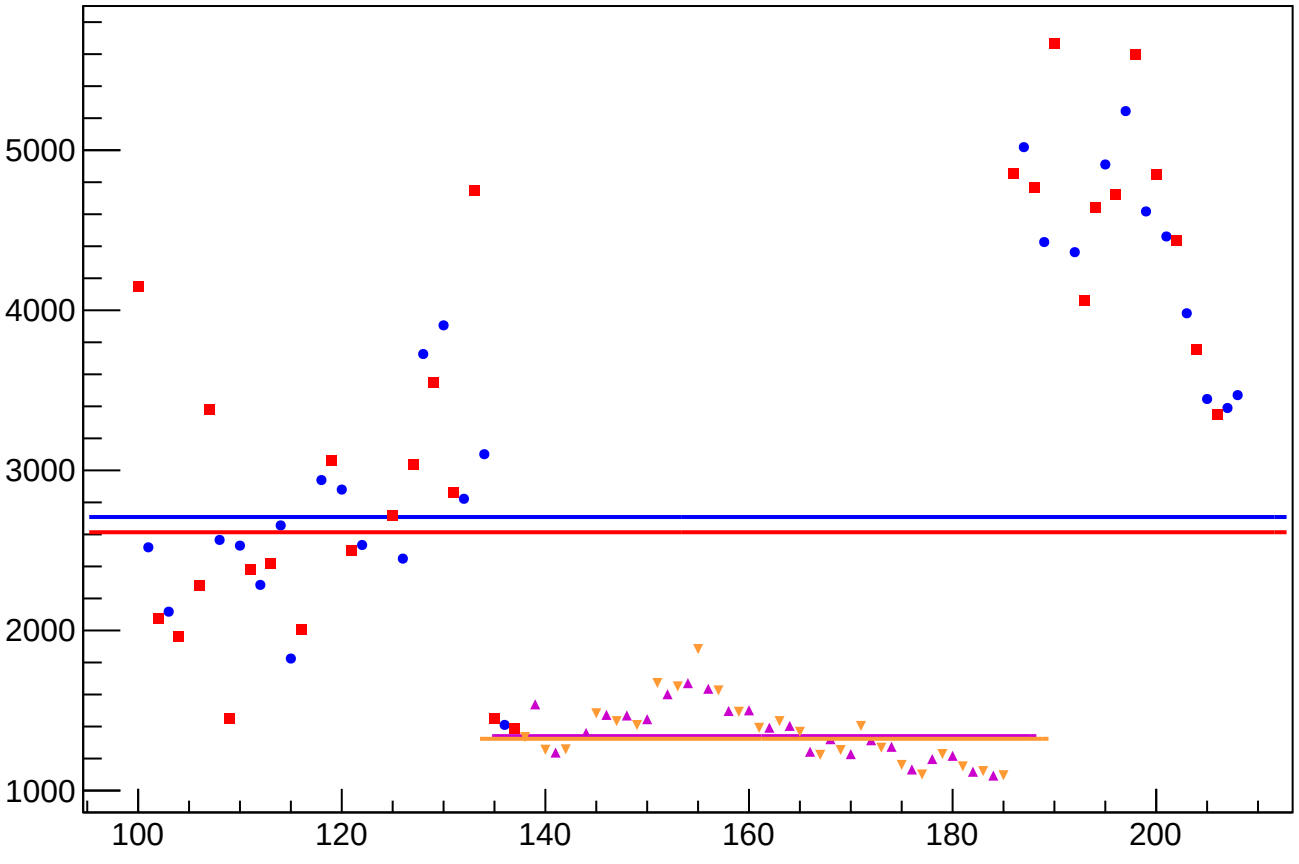
Right Out: -1501.092+/-717.302 χ^2/NDF: 17.4/28

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1392.182+/-285.984 χ^2/NDF: 92.3/50

All: -965.059+/-203.227 χ^2/NDF: 141.1/102

- sign -529.335+/-288.849 χ^2/NDF: 44.4/51



Right In: 2708.642+/-0.518 χ^2/NDF: 4137044.6/26

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

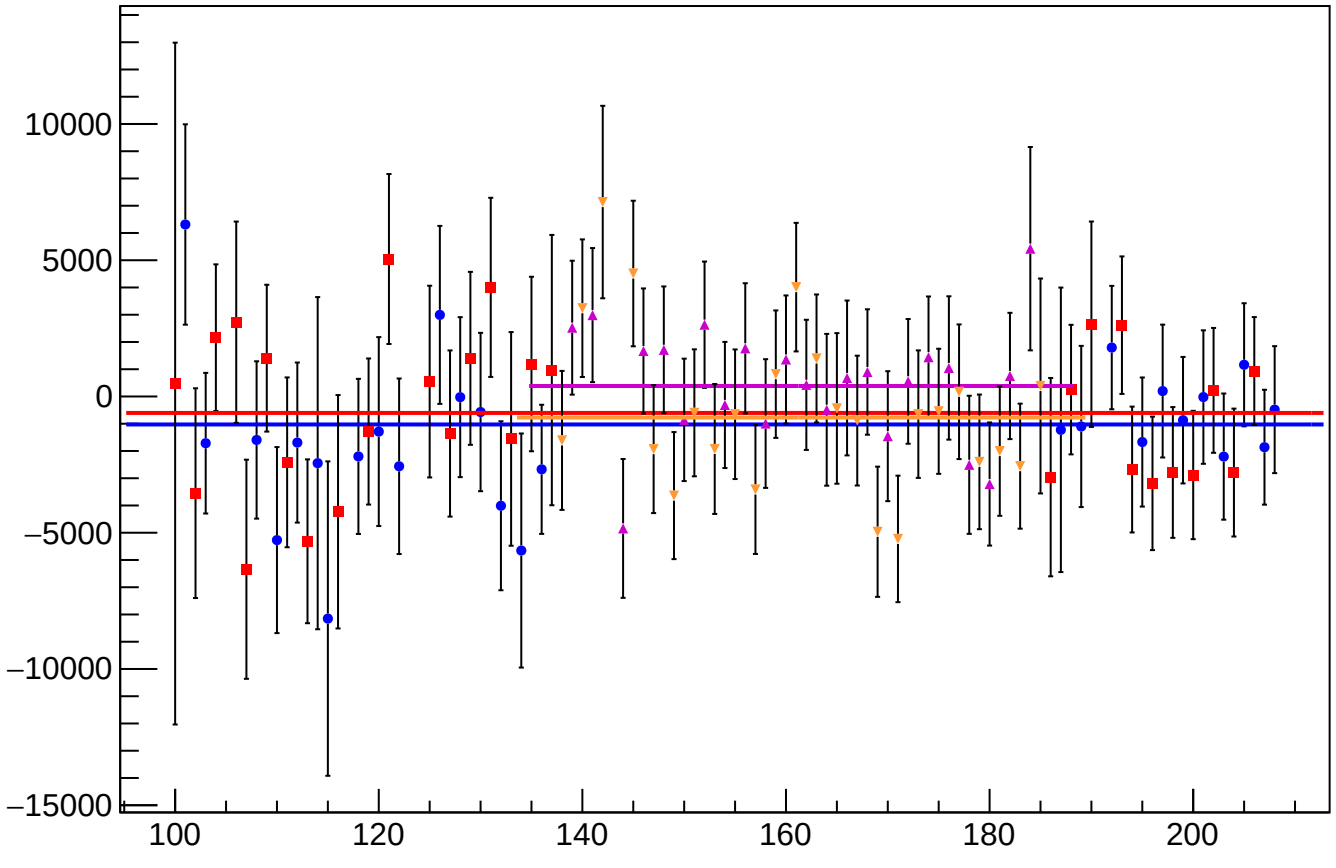
Right Out: 2613.655+/-0.507 χ^2/NDF: 5205865.7/28

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1534.435+/-0.202 χ^2/NDF: 10860461.3/50

All: 1540.459+/-0.144 χ^2/NDF: 21844815.5/1

- sign 1546.604+/-0.204 χ^2/NDF: 10982561.7/51



Right In: -1026.569+/-541.750 χ^2/NDF: 15.4/26

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -603.341+/-542.830 χ^2/NDF: 23.1/28

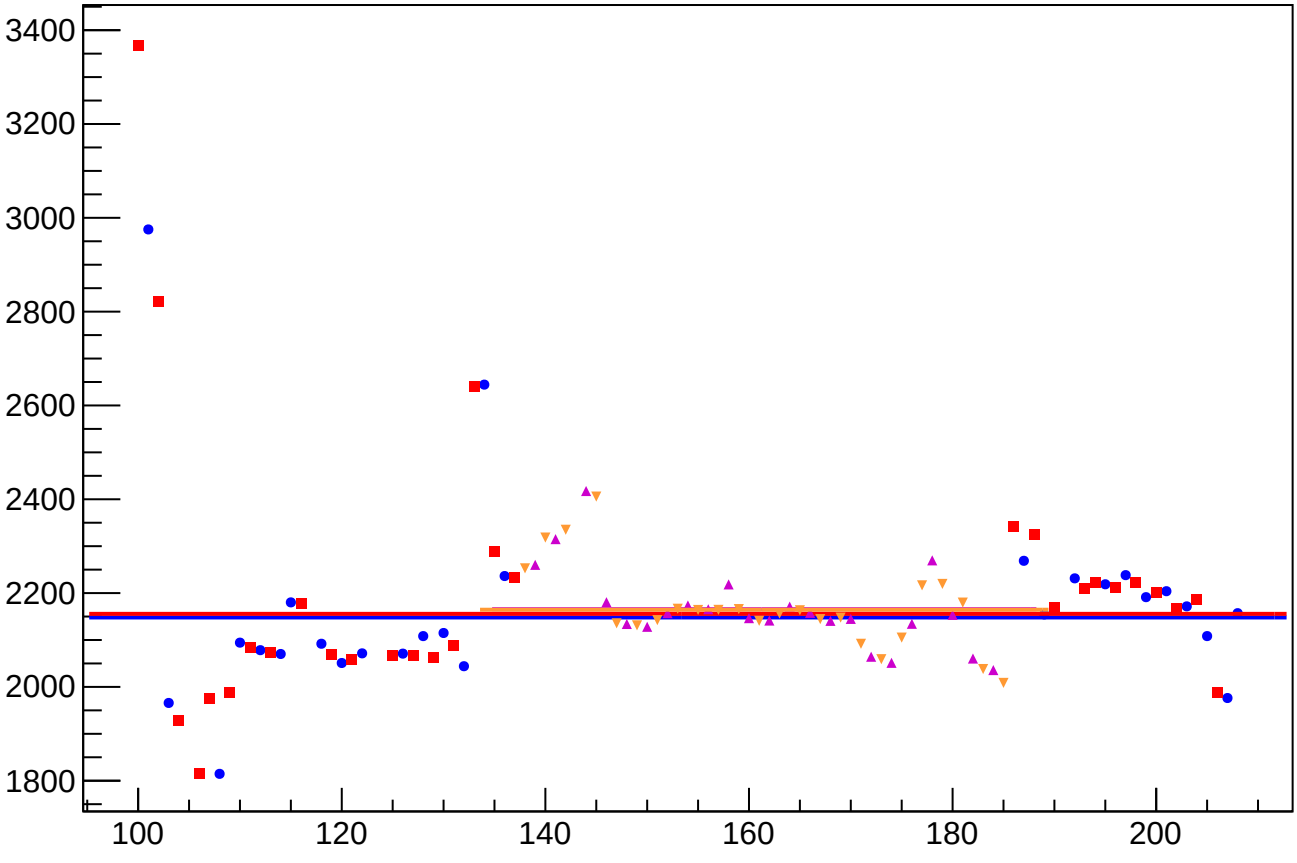
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -890.656+/-368.541 χ^2/NDF: 44.0/50

All: -484.316+/-261.166 χ^2/NDF: 87.0/102

- sign -74.414+/-370.152 χ^2/NDF: 40.5/51

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2148.029+/-0.383 χ^2/NDF: 201016.7/26

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

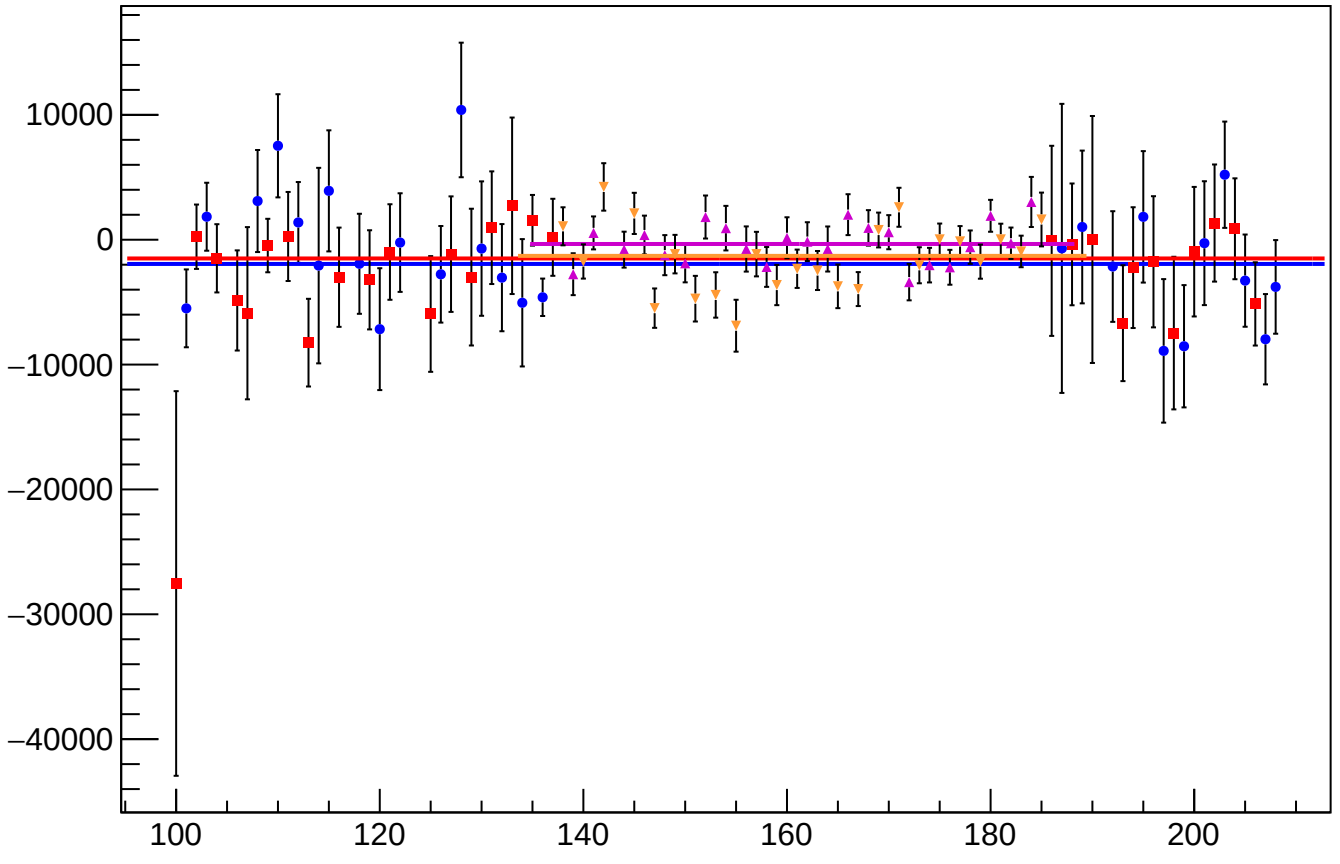
Right Out: 2155.725+/-0.384 χ^2/NDF: 204199.6/28

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2156.895+/-0.261 χ^2/NDF: 252690.1/50

All: 2158.954+/-0.185 χ^2/NDF: 509496.8/102

- sign 2161.031+/-0.262 χ^2/NDF: 256681.3/51



Right In: -1940.047+/-732.707 χ^2/NDF: 32.9/26

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

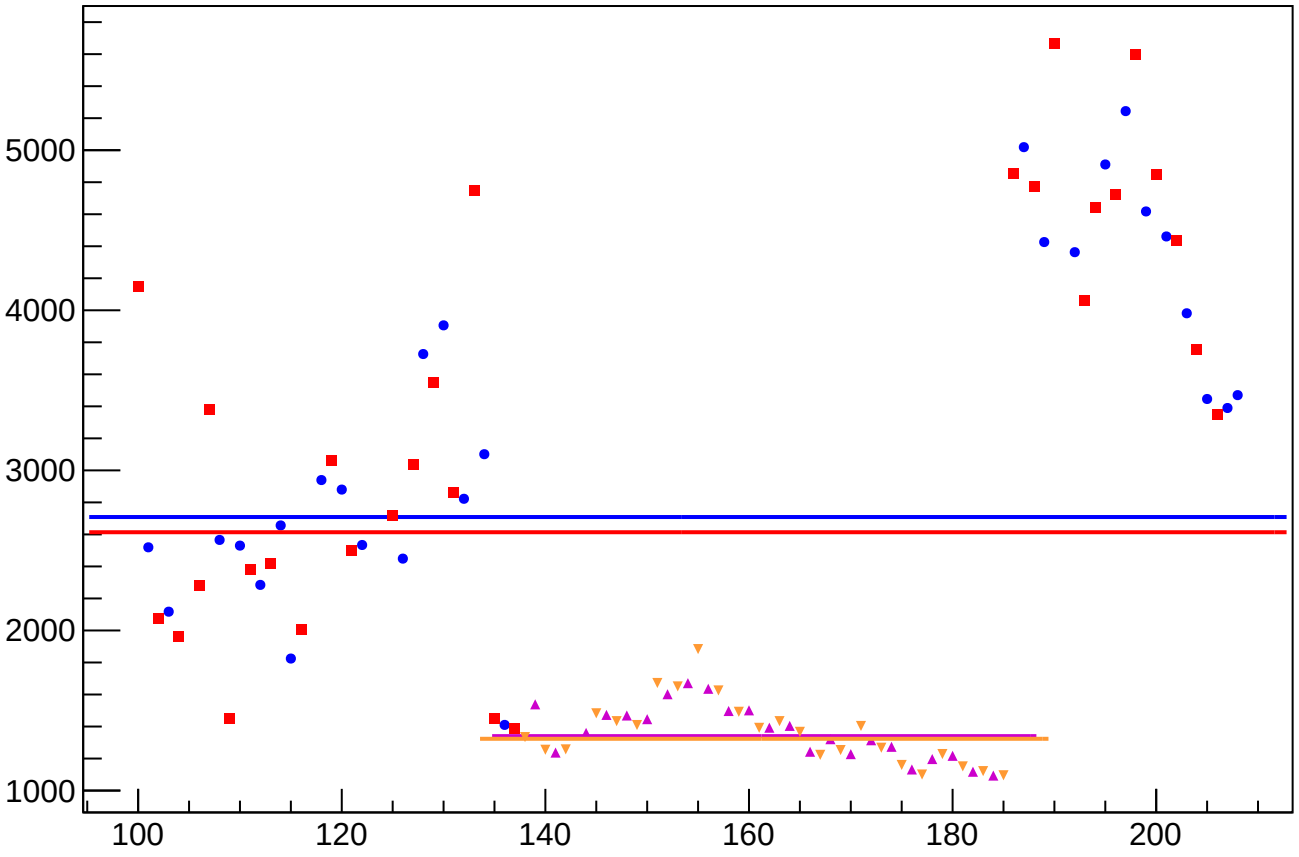
Right Out: -1501.107+/-717.304 χ^2/NDF: 17.4/28

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1392.181+/-285.984 χ^2/NDF: 92.3/50

All: -965.058+/-203.227 χ^2/NDF: 141.1/102

- sign -529.334+/-288.849 χ^2/NDF: 44.4/51



Right In: 2708.653+/-0.518 χ^2/NDF: 4136948.1/26

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2613.667+/-0.507 χ^2/NDF: 5205776.6/28

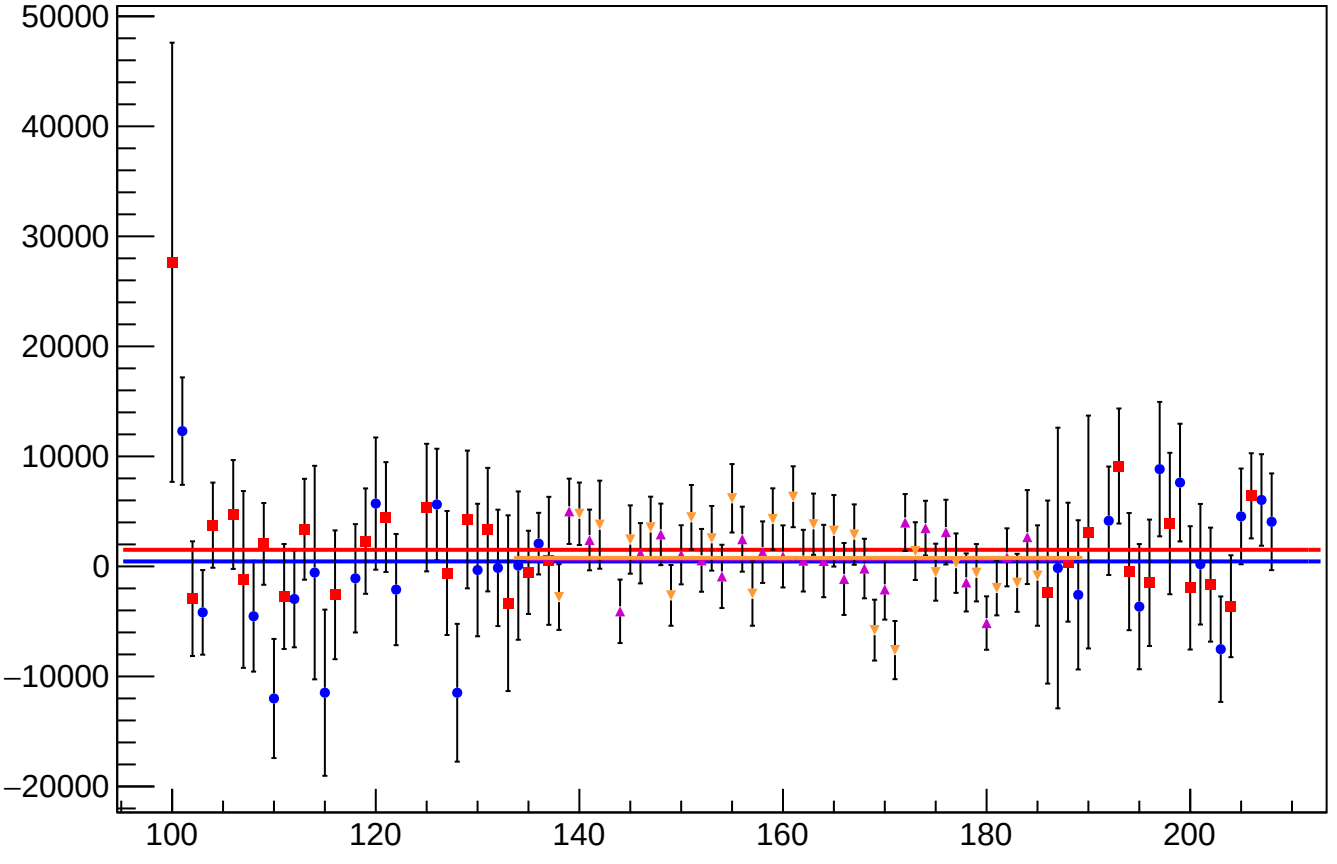
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1534.436+/-0.202 χ^2/NDF: 10860438.0/50

All: 1540.459+/-0.144 χ^2/NDF: 21844800.4/1

- sign 1546.603+/-0.204 χ^2/NDF: 10982570.3/51

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: 453.259+/-976.144 χ^2/NDF: 34.0/26

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 1509.751+/-980.862 χ^2/NDF: 13.3/28

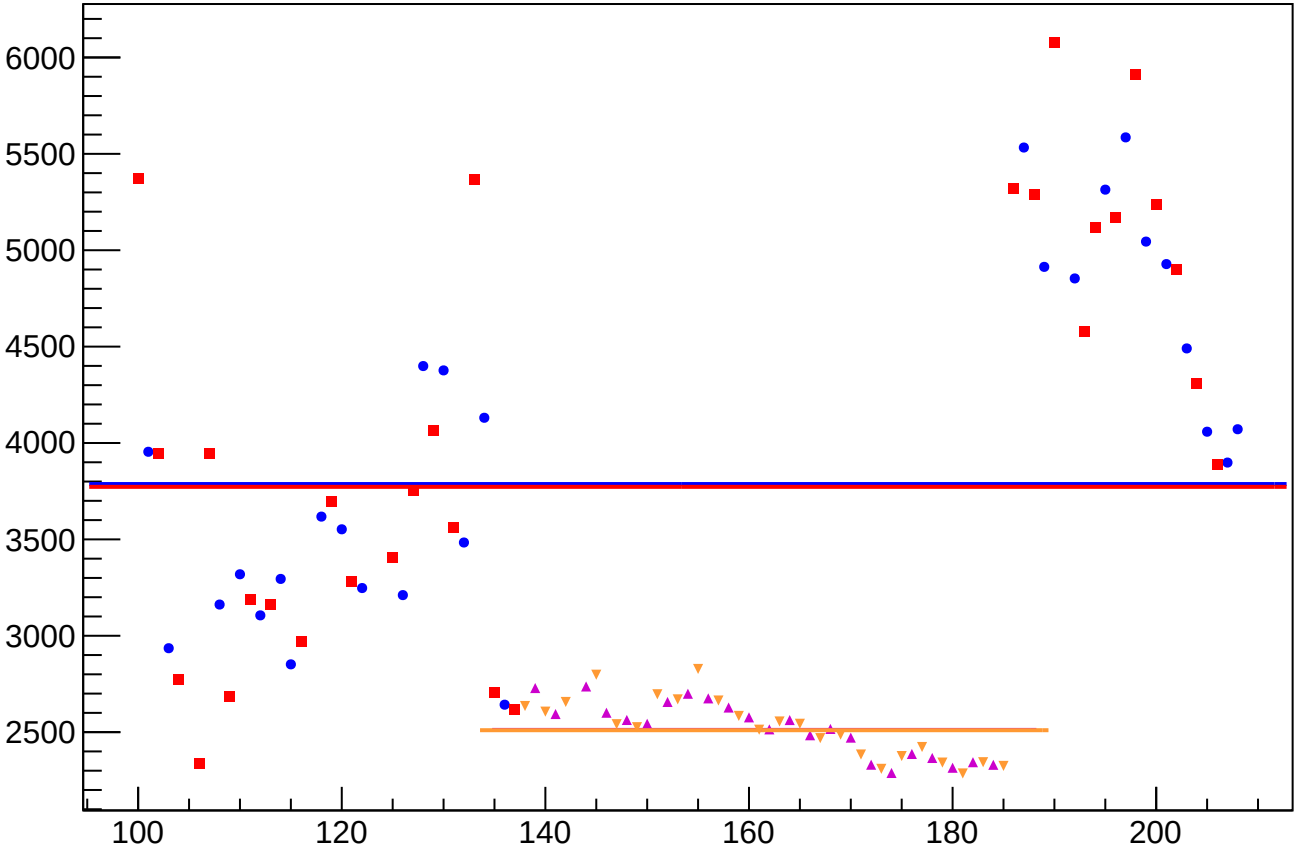
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

+ sign 690.103+/-500.963 χ^2/NDF: 73.4/50

All: 797.601+/-355.290 χ^2/NDF: 105.6/102

- sign 906.390+/-503.964 χ^2/NDF: 32.1/51

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3787.086+/-0.690 χ^2/NDF: 1430317.1/26

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

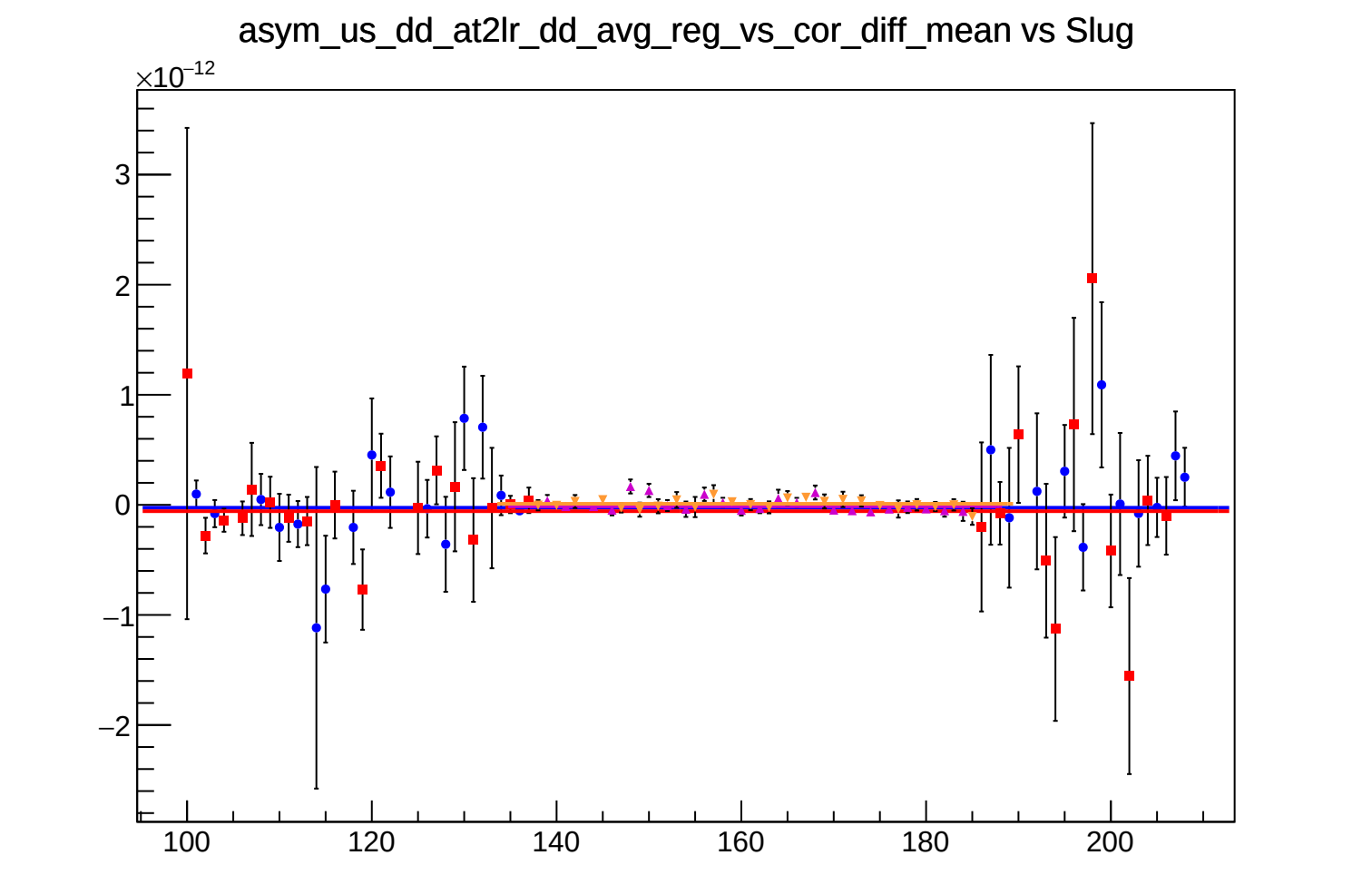
Right Out: 3772.541+/-0.694 χ^2/NDF: 2041366.1/28

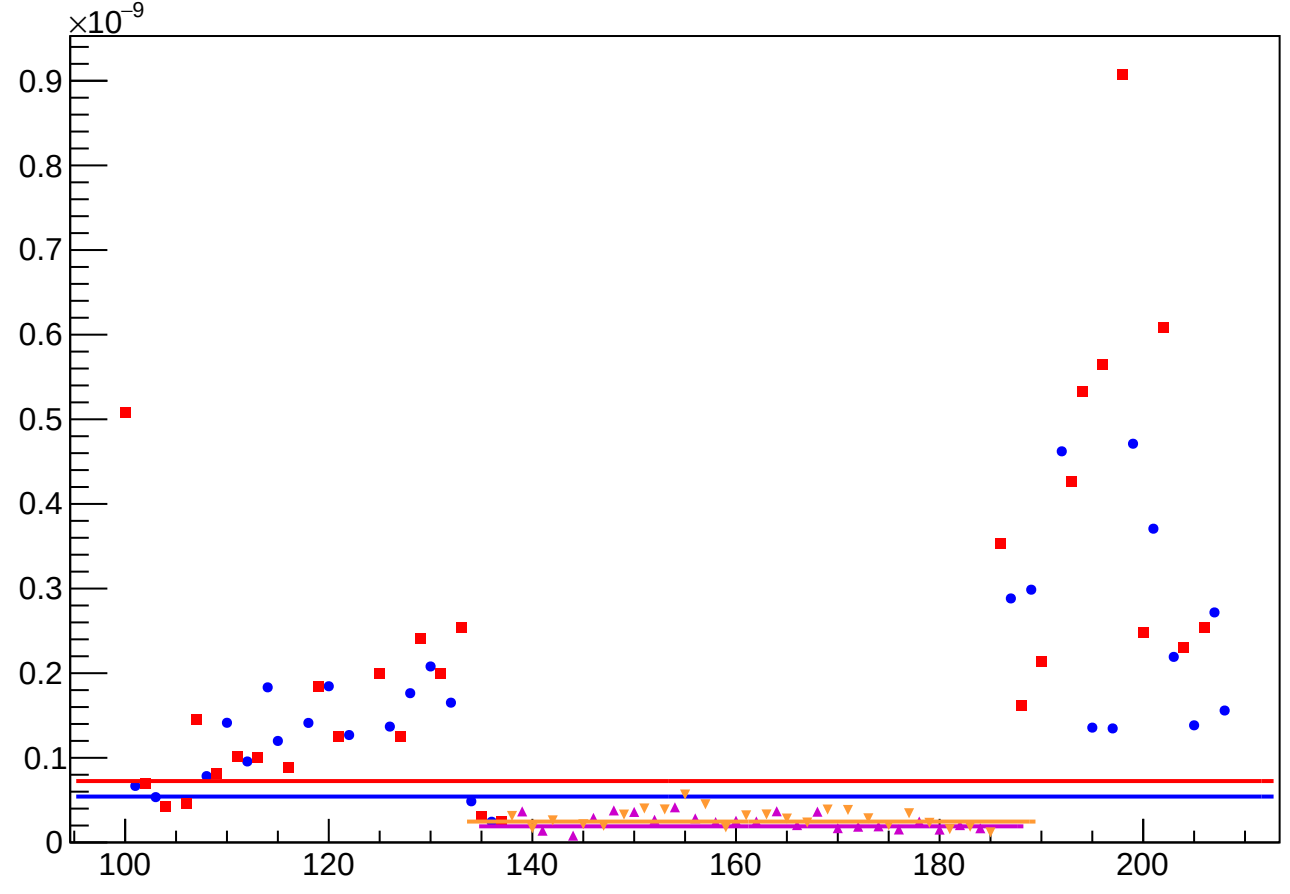
Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2846.411+/-0.354 χ^2/NDF: 4080338.8/50

All: 2845.454+/-0.251 χ^2/NDF: 8667893.4/10

- sign 2844.486+/-0.356 χ^2/NDF: 4587539.9/51


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10⁻¹²
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 19.8/26
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/28
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 33.0/50
All: -0.000+/-0.000 χ²/NDF: 90.2/102
- sign -0.000+/-0.000 χ²/NDF: 54.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 6076286.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

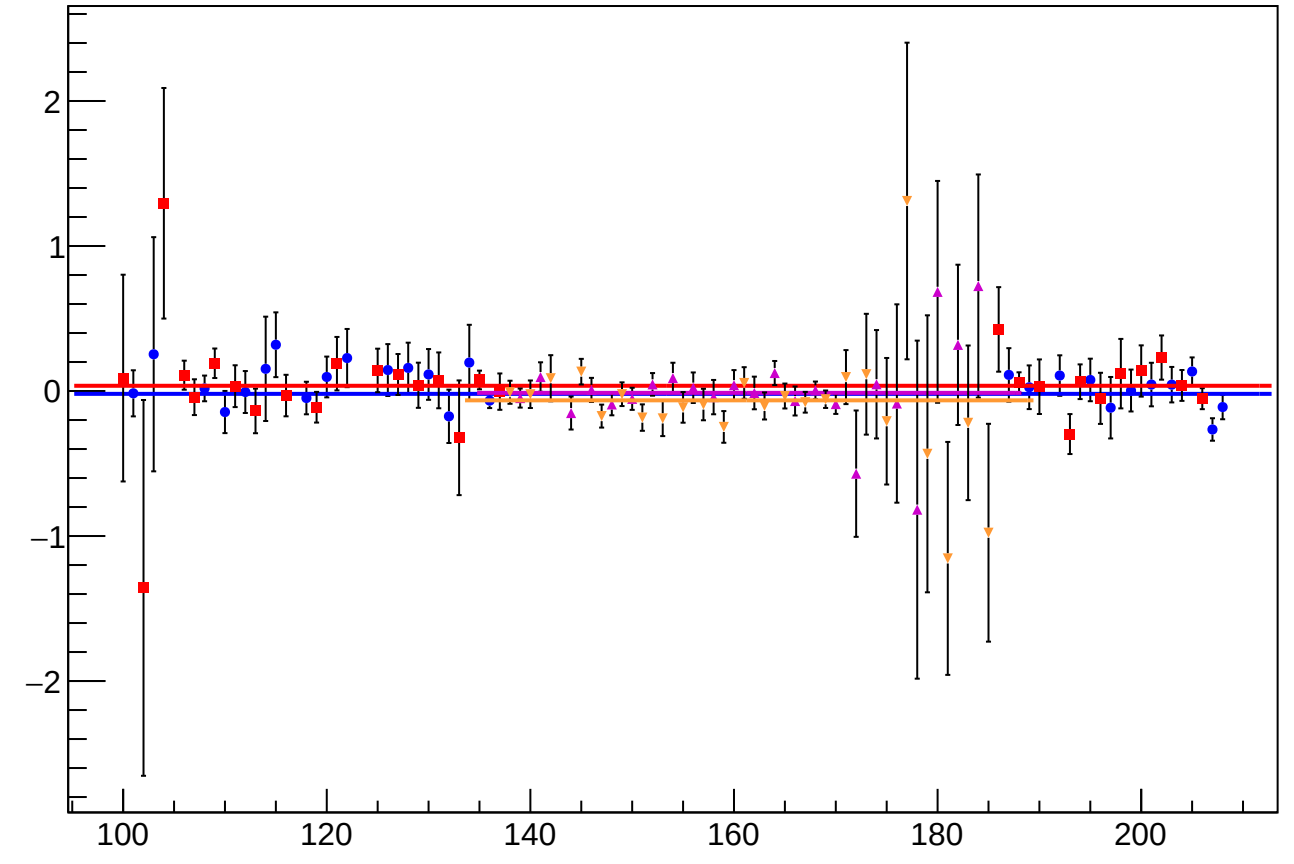
Right Out: 0.000+/-0.000 χ^2/NDF: 7022808.1/28

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8942373.7/50

All: 0.000+/-0.000 χ^2/NDF: 21743549.6/102

- sign 0.000+/-0.000 χ^2/NDF: 12362119.5/51



Right In: -0.020+/-0.024 χ^2/NDF: 26.8/26

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

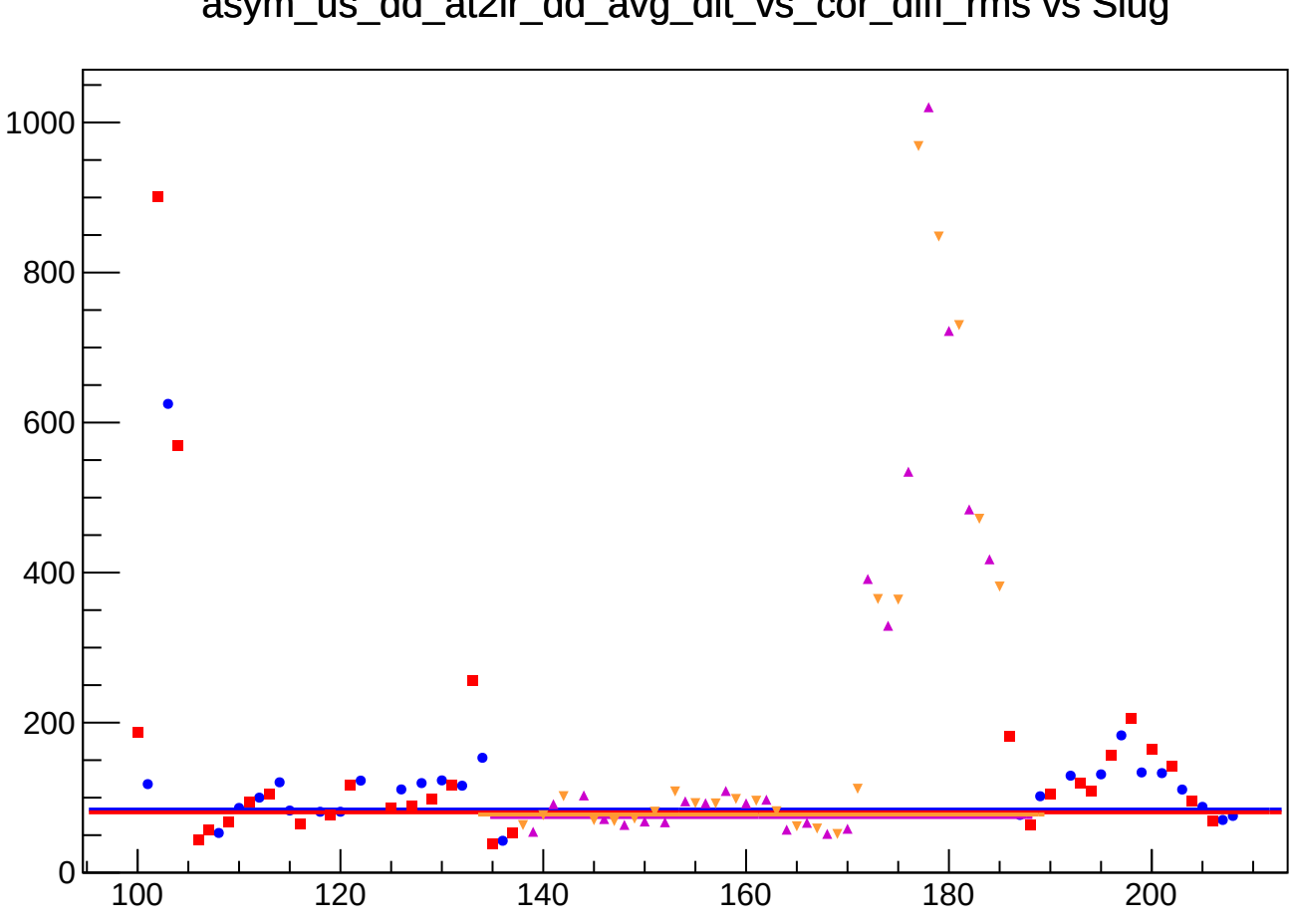
Right Out: 0.036+/-0.024 χ^2/NDF: 24.8/28

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.044+/-0.016 χ^2/NDF: 51.0/50

All: -0.017+/-0.011 χ^2/NDF: 98.6/102

- sign 0.009+/-0.016 χ^2/NDF: 42.2/51



Right In: 84.113+/-0.017 χ^2/NDF: 4589079.0/26

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

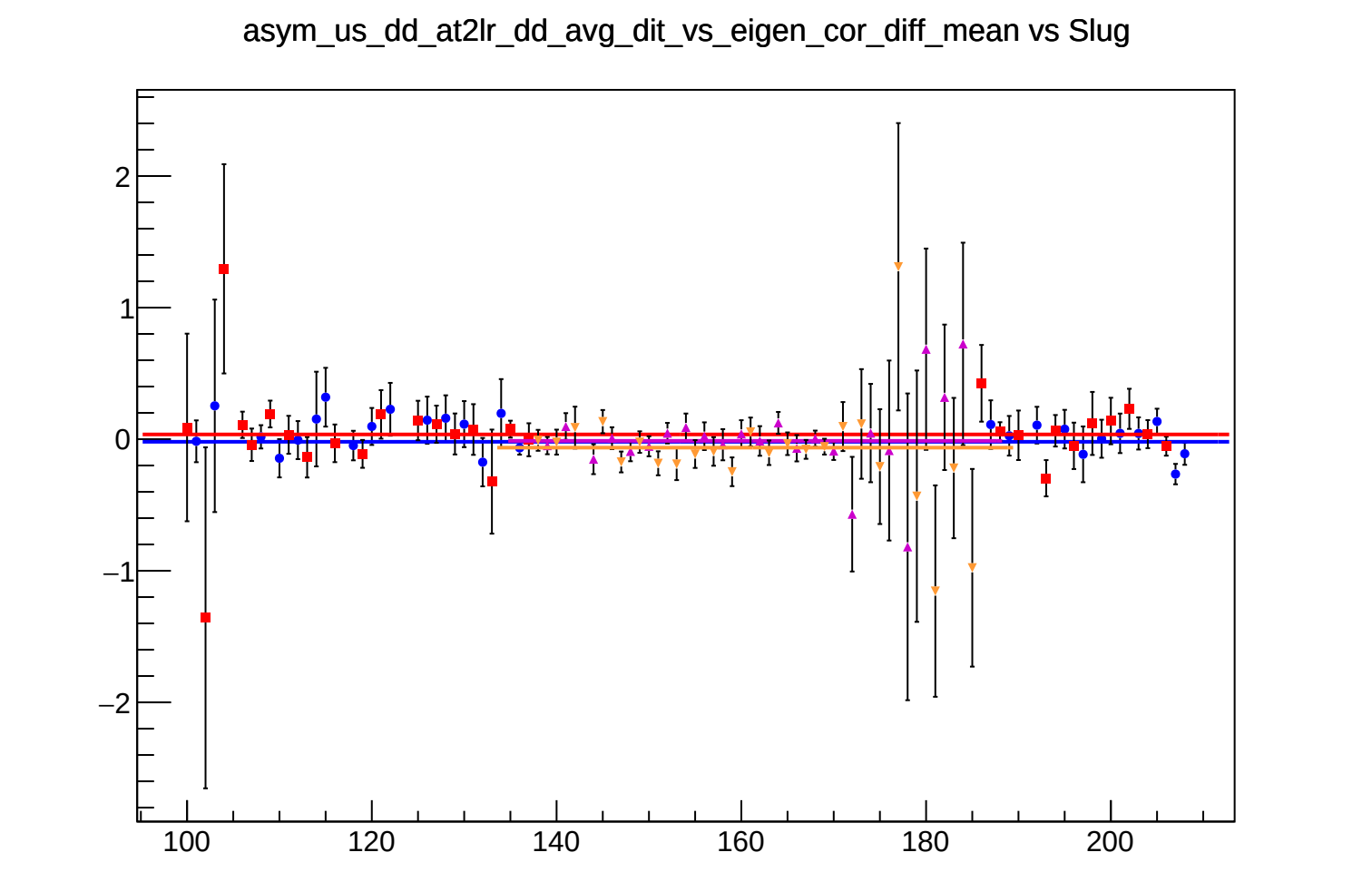
Right Out: 80.462+/-0.017 χ^2/NDF: 6044187.1/28

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 80.546+/-0.012 χ^2/NDF: 13001410.3/50

All: 78.703+/-0.008 χ^2/NDF: 27686448.4/102

- sign 76.965+/-0.011 χ^2/NDF: 14635204.4/51



Right In: -0.020+/-0.024 χ^2/NDF: 26.8/26

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

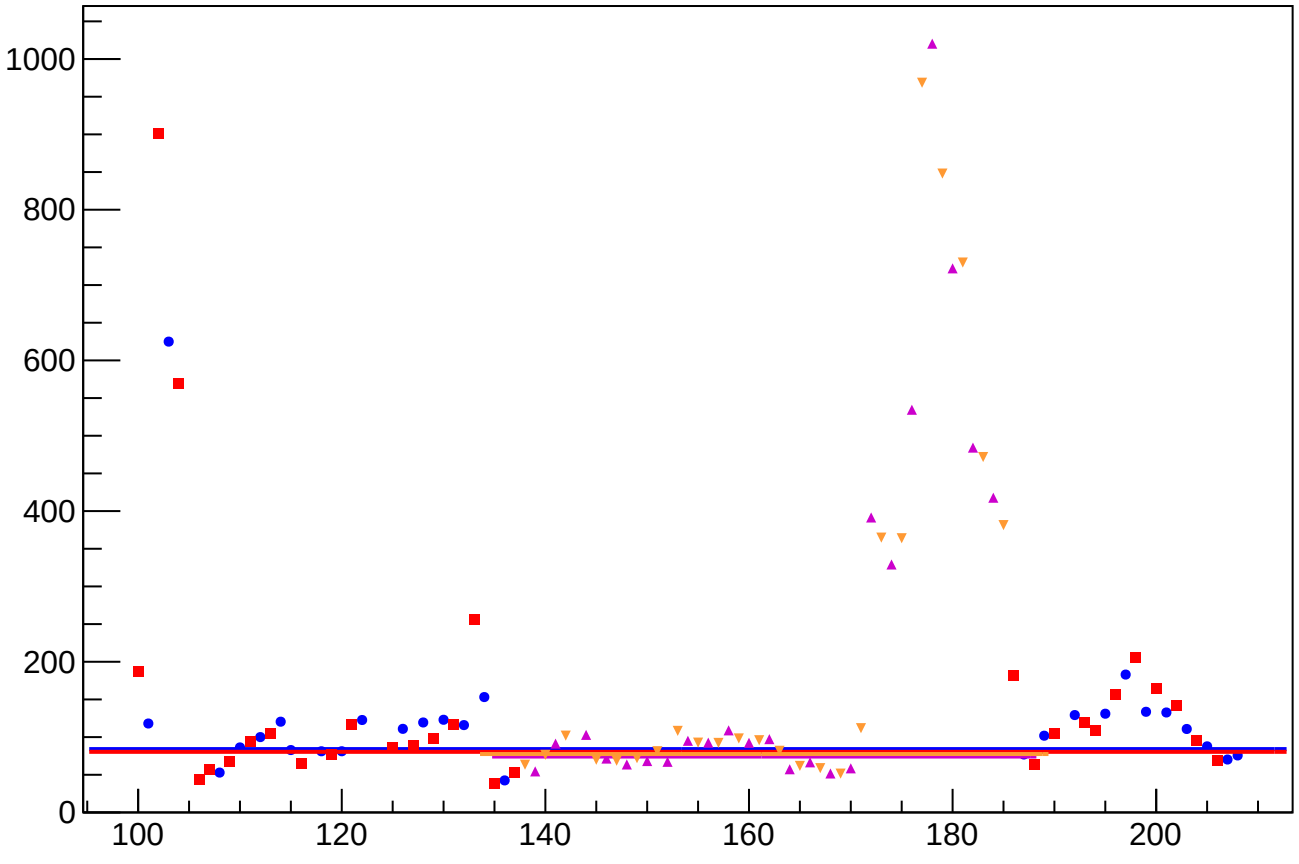
Right Out: 0.036+/-0.024 χ^2/NDF: 24.8/28

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.044+/-0.016 χ^2/NDF: 51.0/50

All: -0.017+/-0.011 χ^2/NDF: 98.6/102

- sign 0.009+/-0.016 χ^2/NDF: 42.2/51



Right In: 84.113+/-0.017 χ^2/NDF: 4589079.0/26

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

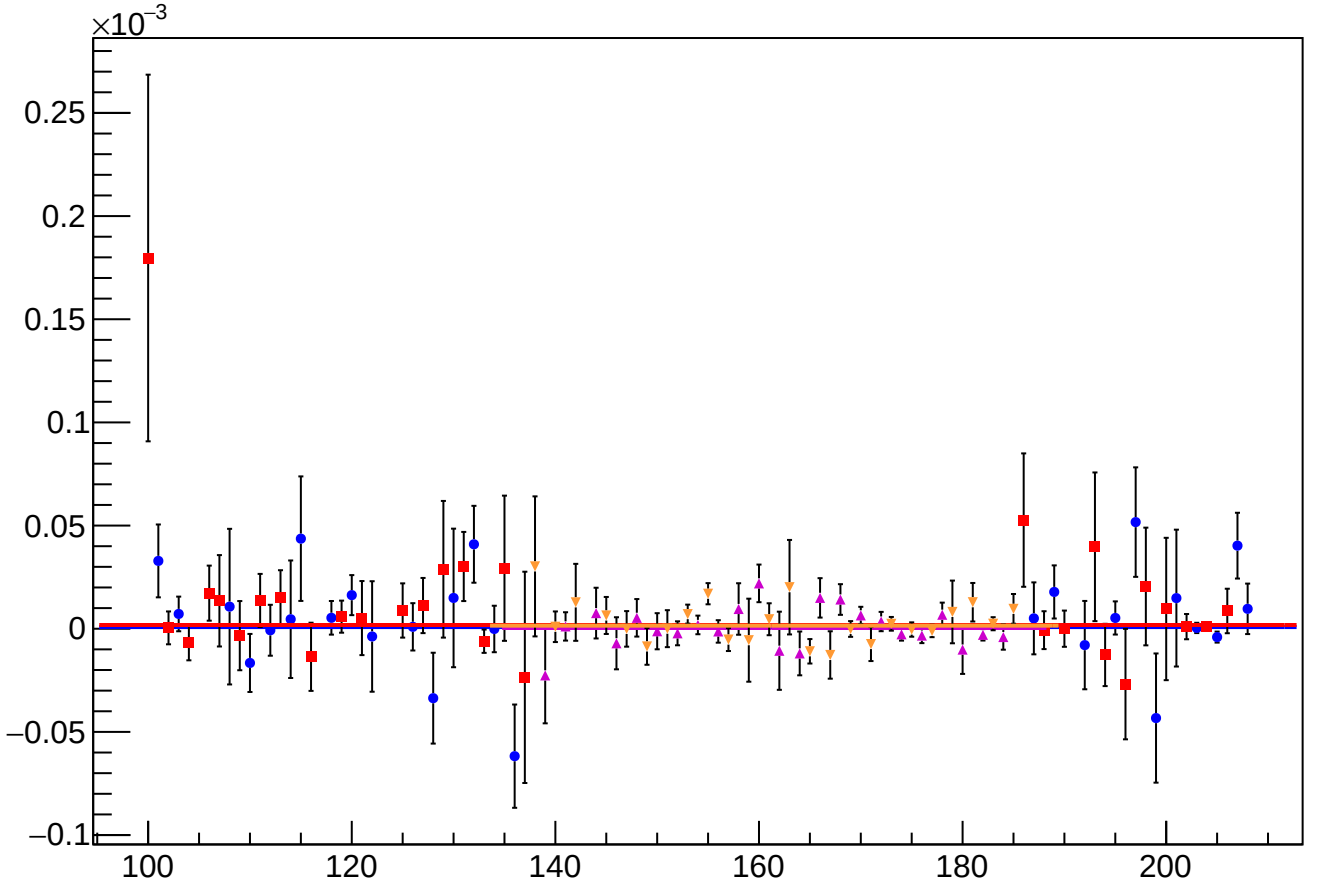
Right Out: 80.462+/-0.017 χ^2/NDF: 6044187.1/28

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 80.546+/-0.012 χ^2/NDF: 13001410.3/50

All: 78.703+/-0.008 χ^2/NDF: 27686448.4/102

- sign 76.965+/-0.011 χ^2/NDF: 14635204.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 42.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

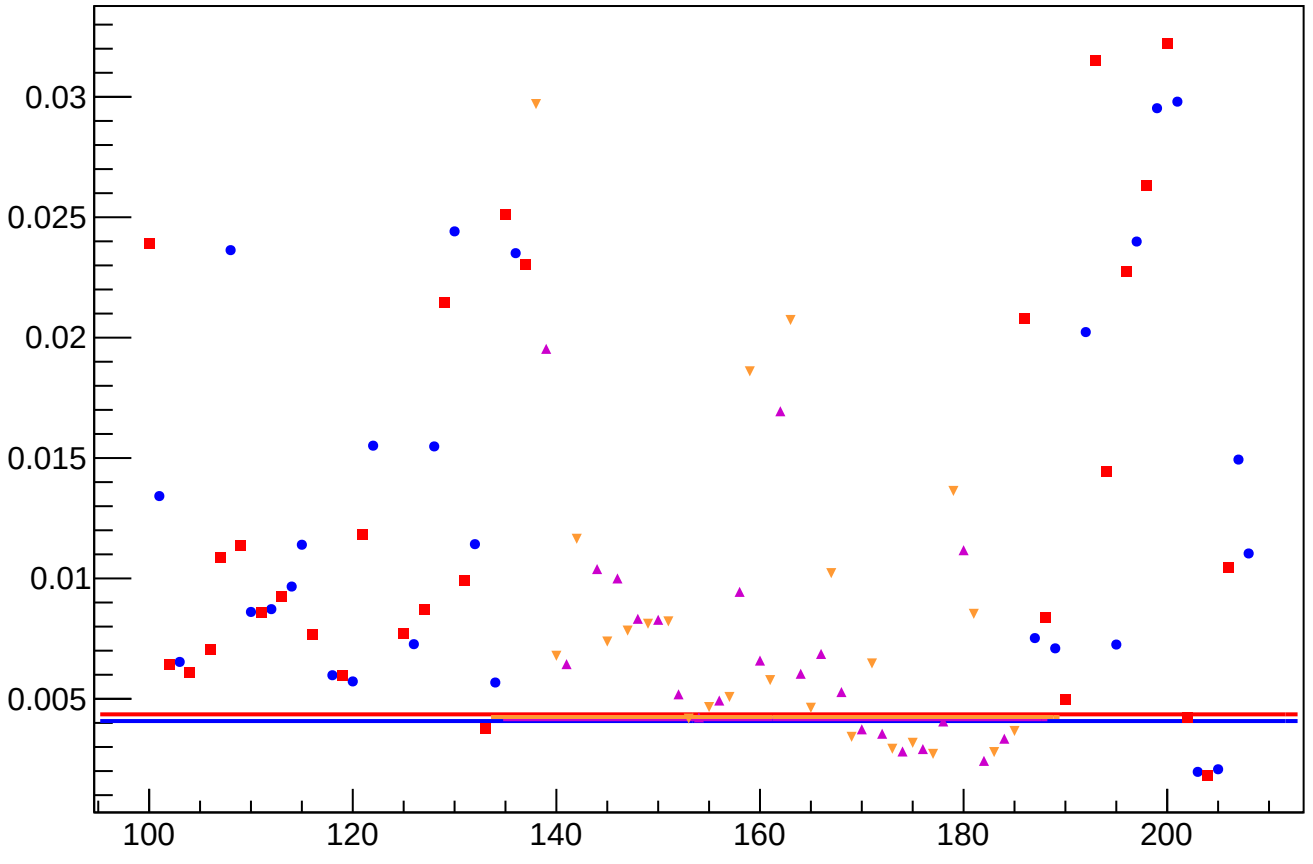
Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/28

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.2/50

All: 0.000+/-0.000 χ^2/NDF: 118.1/102

- sign 0.000+/-0.000 χ^2/NDF: 48.8/51



Right In: 0.004+/-0.000 χ^2/NDF: 14892853.0/26

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

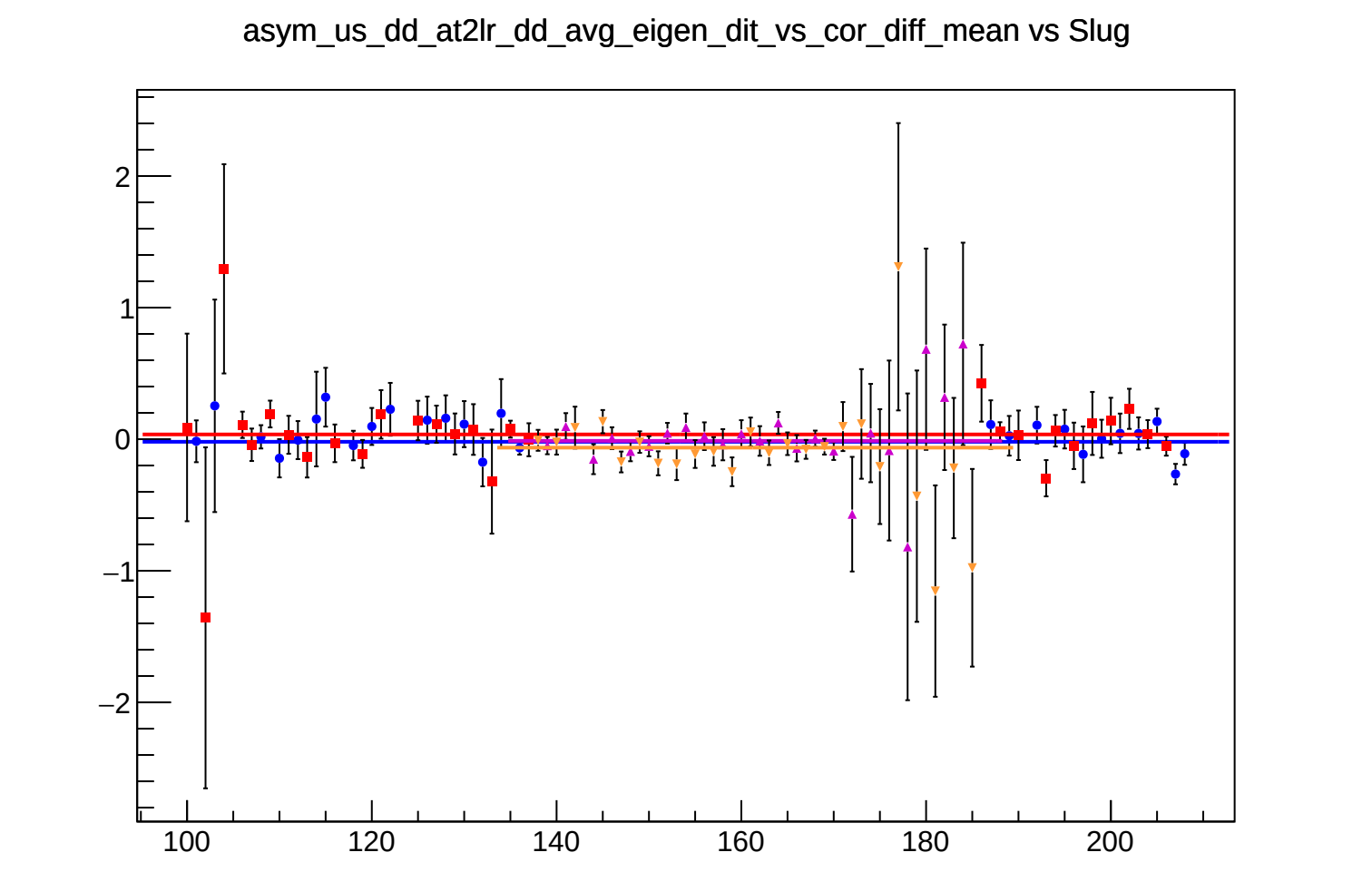
Right Out: 0.004+/-0.000 χ^2/NDF: 13939290.0/28

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 23559008.7/50

All: 0.004+/-0.000 χ^2/NDF: 44408674.6/102

- sign 0.004+/-0.000 χ^2/NDF: 20847414.4/51



Right In: -0.020+/-0.024 χ^2/NDF: 26.8/26

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

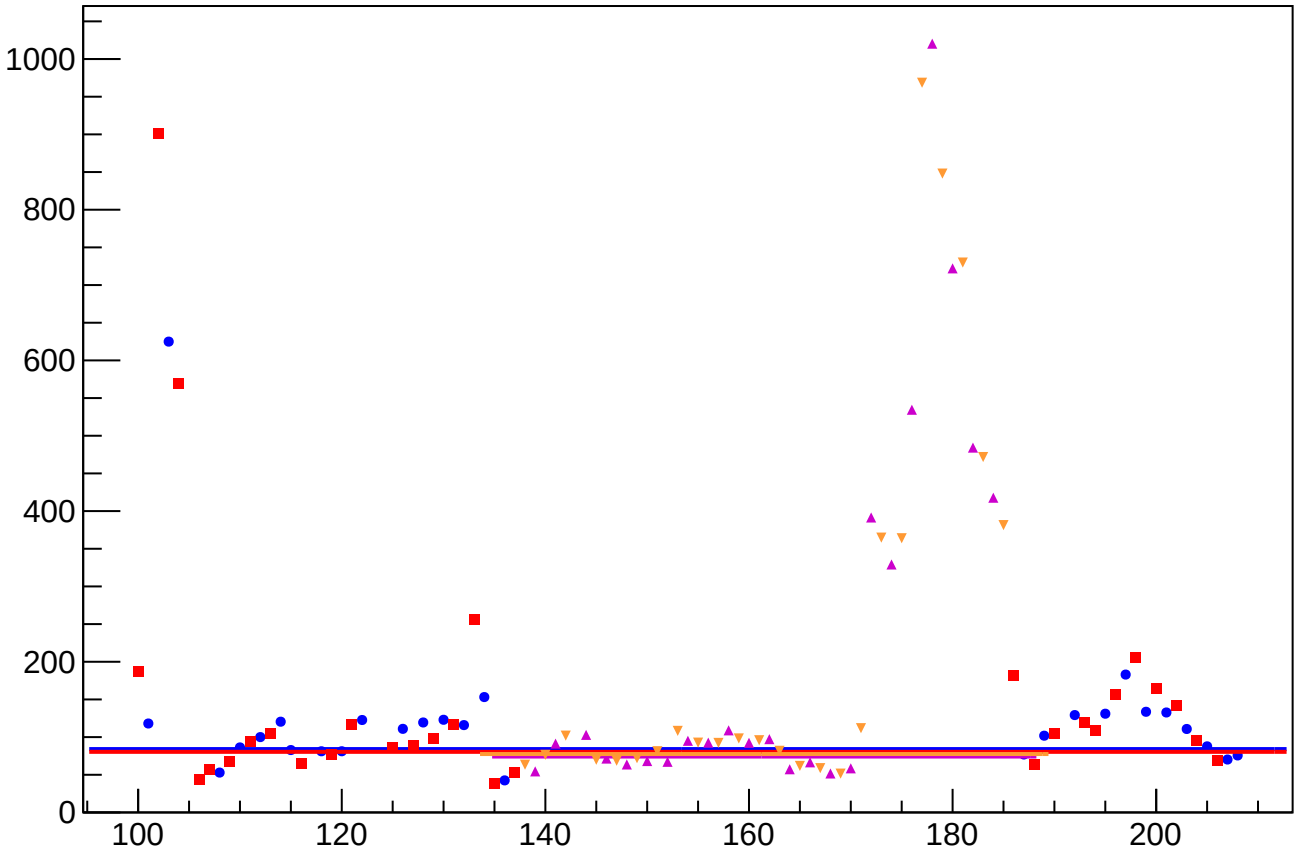
Right Out: 0.036+/-0.024 χ^2/NDF: 24.8/28

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.044+/-0.016 χ^2/NDF: 51.0/50

All: -0.017+/-0.011 χ^2/NDF: 98.6/102

- sign 0.009+/-0.016 χ^2/NDF: 42.2/51



Right In: 84.128+/-0.017 χ^2/NDF: 4585706.7/26

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

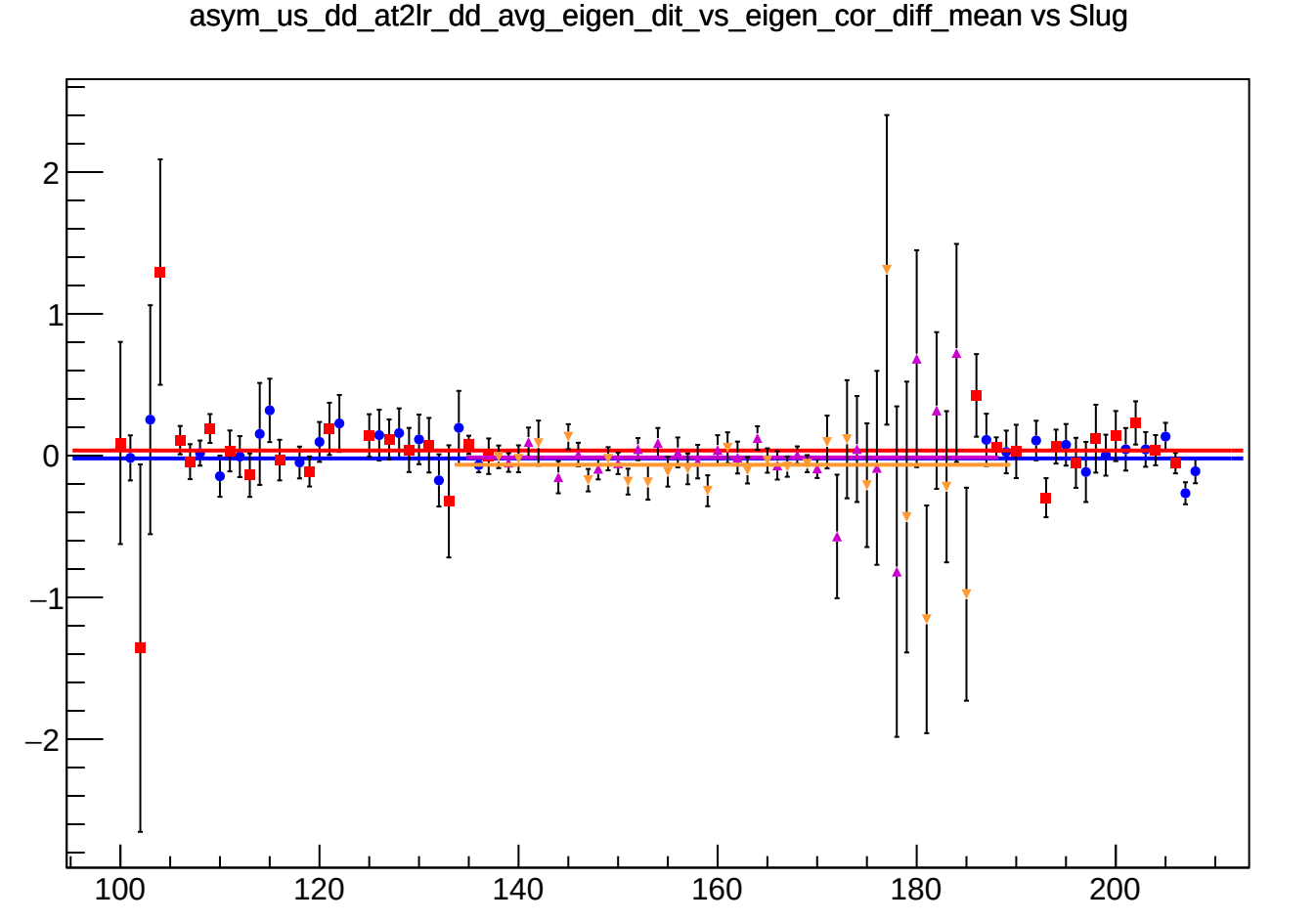
Right Out: 80.455+/-0.017 χ^2/NDF: 6045762.2/28

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 80.553+/-0.012 χ^2/NDF: 12998335.7/50

All: 78.705+/-0.008 χ^2/NDF: 27684702.8/102

- sign 76.962+/-0.011 χ^2/NDF: 14636286.7/51



Right In: -0.020+/-0.024 χ^2/NDF: 26.8/26

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

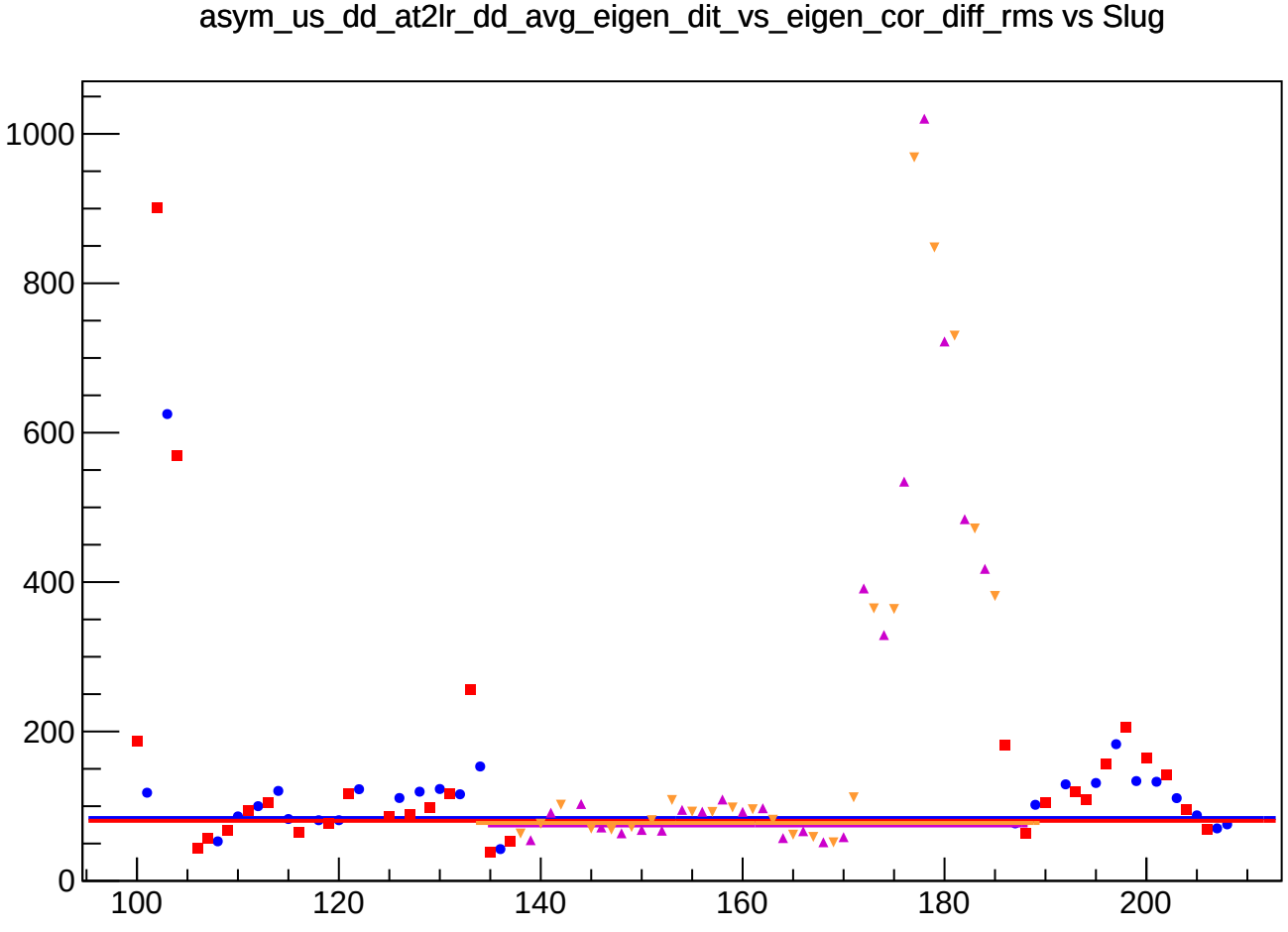
Right Out: 0.036+/-0.024 χ^2/NDF: 24.8/28

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.044+/-0.016 χ^2/NDF: 51.0/50

All: -0.017+/-0.011 χ^2/NDF: 98.6/102

- sign 0.009+/-0.016 χ^2/NDF: 42.2/51



Right In: 84.128+/-0.017 χ^2/NDF: 4585706.7/26

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

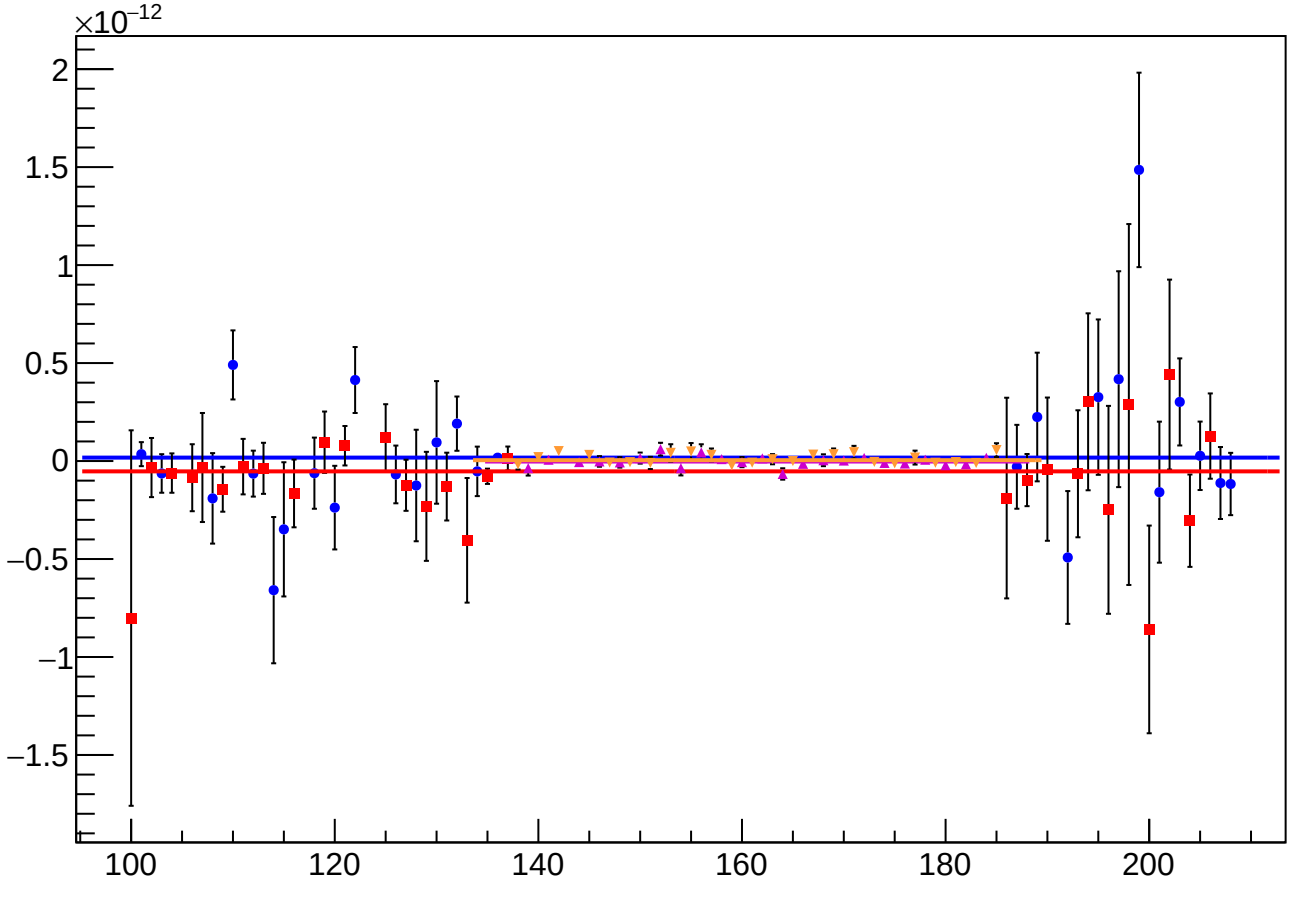
Right Out: 80.455+/-0.017 χ^2/NDF: 6045762.2/28

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 80.553+/-0.012 χ^2/NDF: 12998335.7/50

All: 78.705+/-0.008 χ^2/NDF: 27684702.8/102

- sign 76.962+/-0.011 χ^2/NDF: 14636286.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 39.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

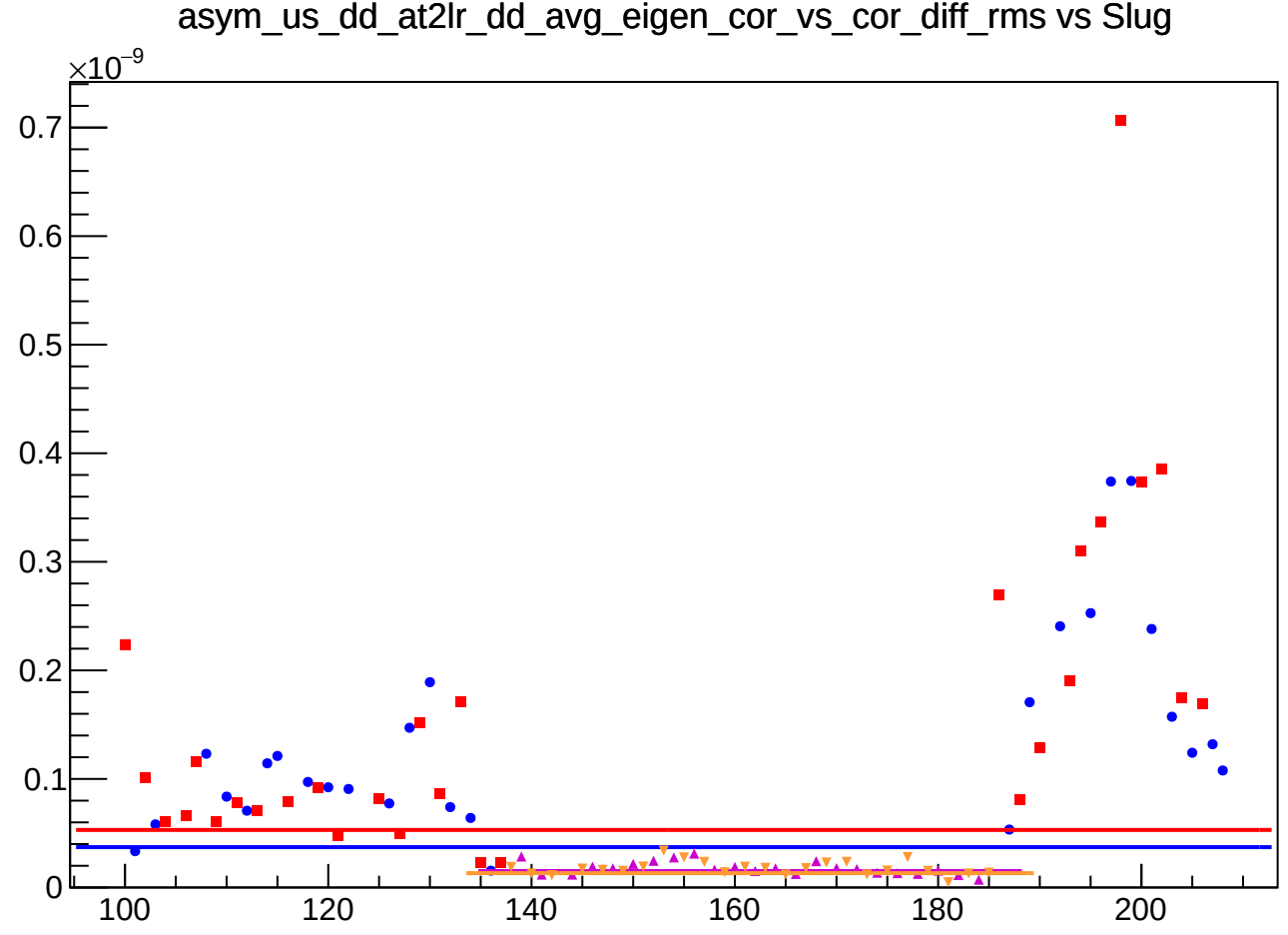
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/28

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.2/50

All: 0.000+/-0.000 χ^2/NDF: 100.6/102

- sign -0.000+/-0.000 χ^2/NDF: 37.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 10328342.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8926577.0/28

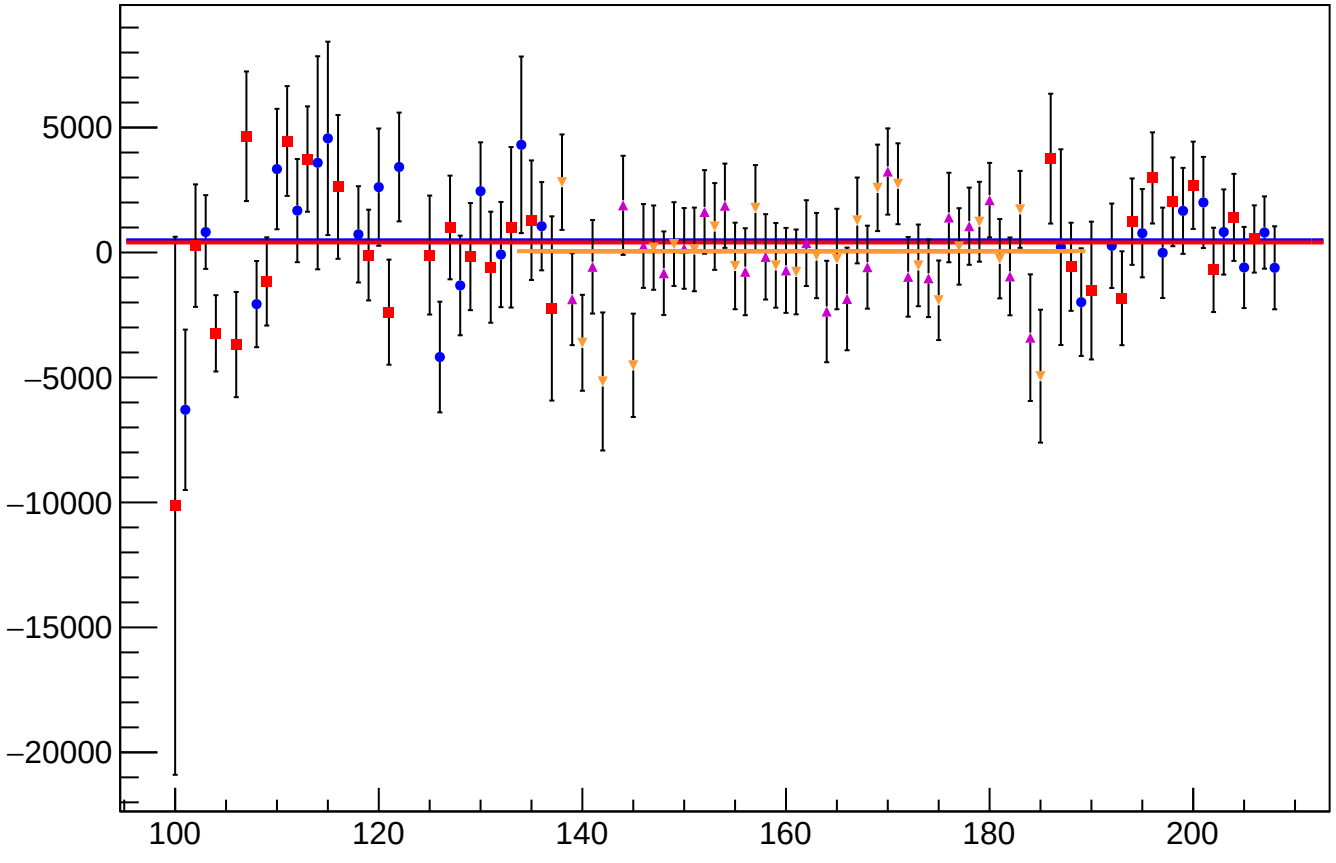
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 17675785.0/50

All: 0.000+/-0.000 χ^2/NDF: 33852541.9/102

- sign 0.000+/-0.000 χ^2/NDF: 15950694.5/51

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 487.786+/-380.995 χ^2/NDF: 23.9/26

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 401.898+/-379.149 χ^2/NDF: 32.7/28

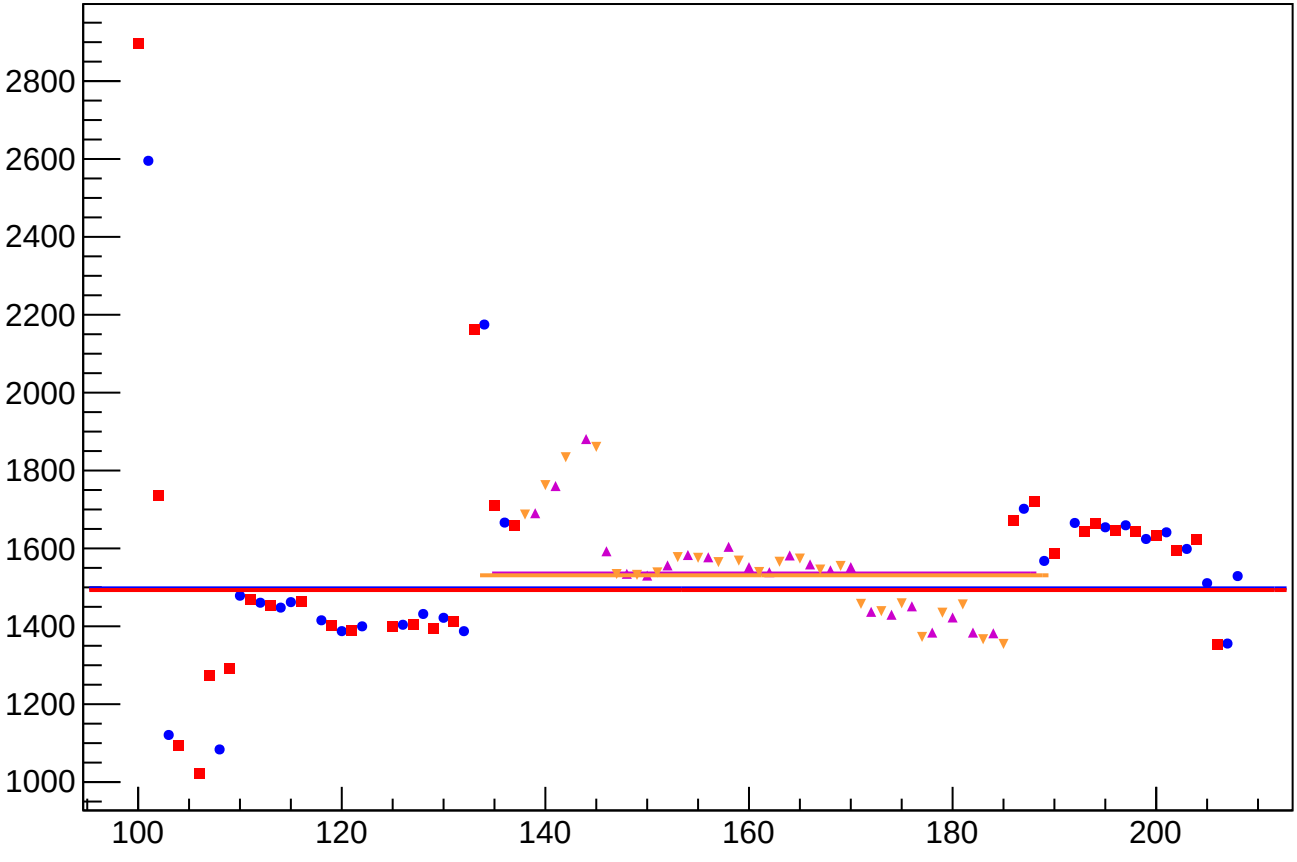
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 256.836+/-260.264 χ^2/NDF: 53.1/50

All: 236.292+/-184.254 χ^2/NDF: 103.1/102

- sign 215.650+/-260.886 χ^2/NDF: 50.0/51

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1497.426+/-0.269 χ^2/NDF: 708348.4/26

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

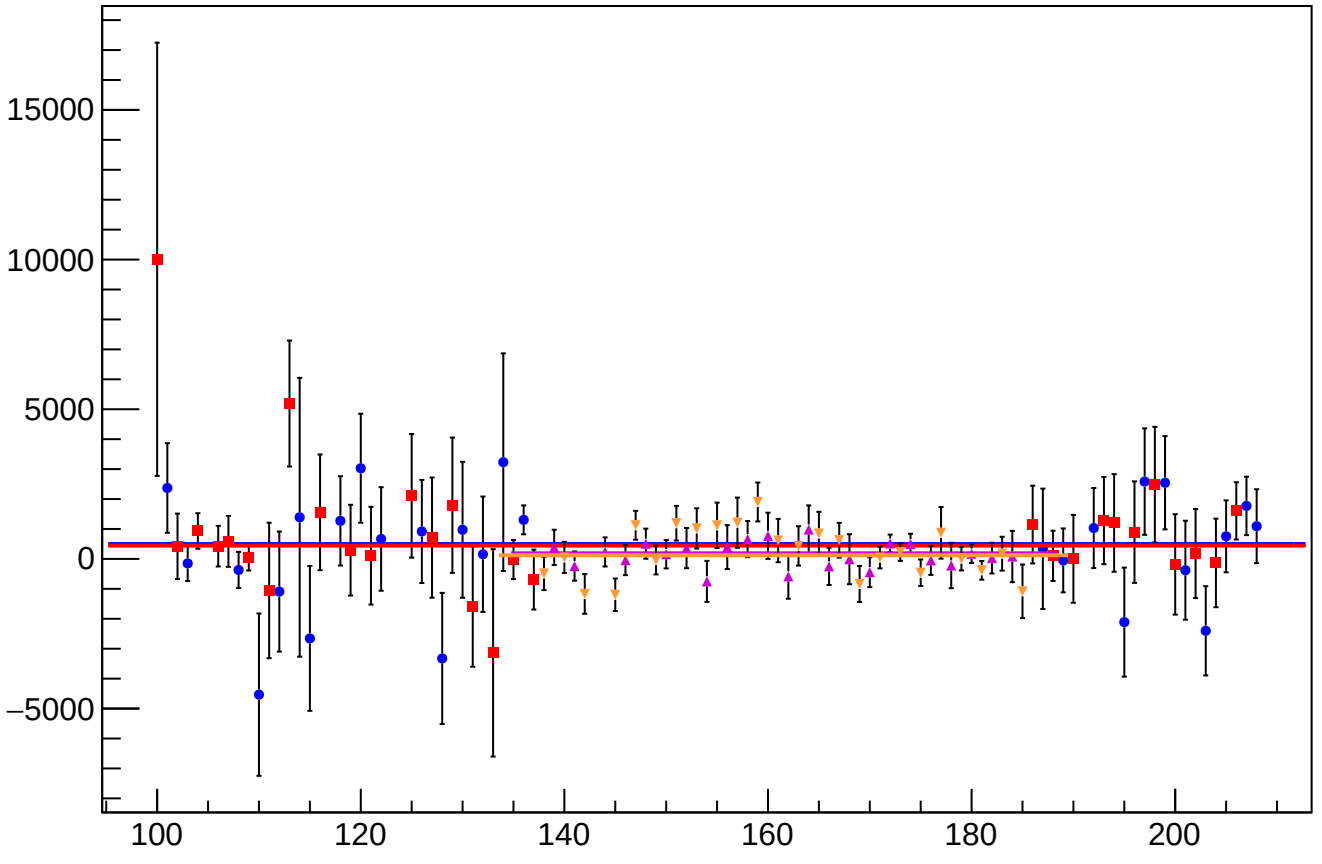
Right Out: 1493.116+/-0.268 χ^2/NDF: 622378.8/28

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1515.320+/-0.184 χ^2/NDF: 920159.7/50

All: 1515.390+/-0.130 χ^2/NDF: 1748162.5/10

- sign 1515.460+/-0.184 χ^2/NDF: 828002.6/51



Right In: 496.055+/-229.053 χ^2/NDF: 31.0/26

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: 444.968+/-201.636 χ^2/NDF: 18.2/28

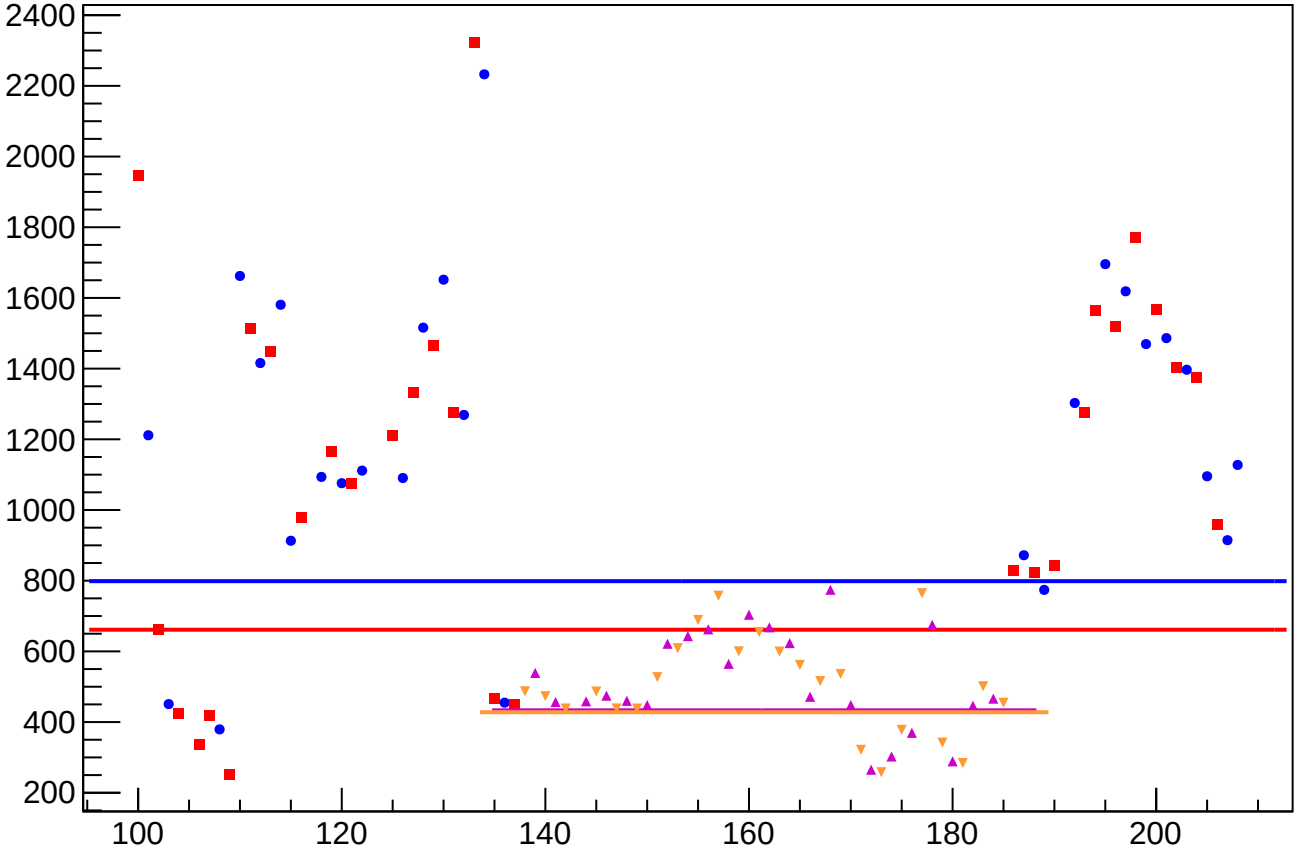
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 186.459+/-95.494 χ^2/NDF: 76.9/50

All: 215.292+/-67.170 χ^2/NDF: 108.1/102

- sign 243.527+/-94.500 χ^2/NDF: 31.0/51

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 798.632+/-0.162 χ^2/NDF: 6983422.8/26

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

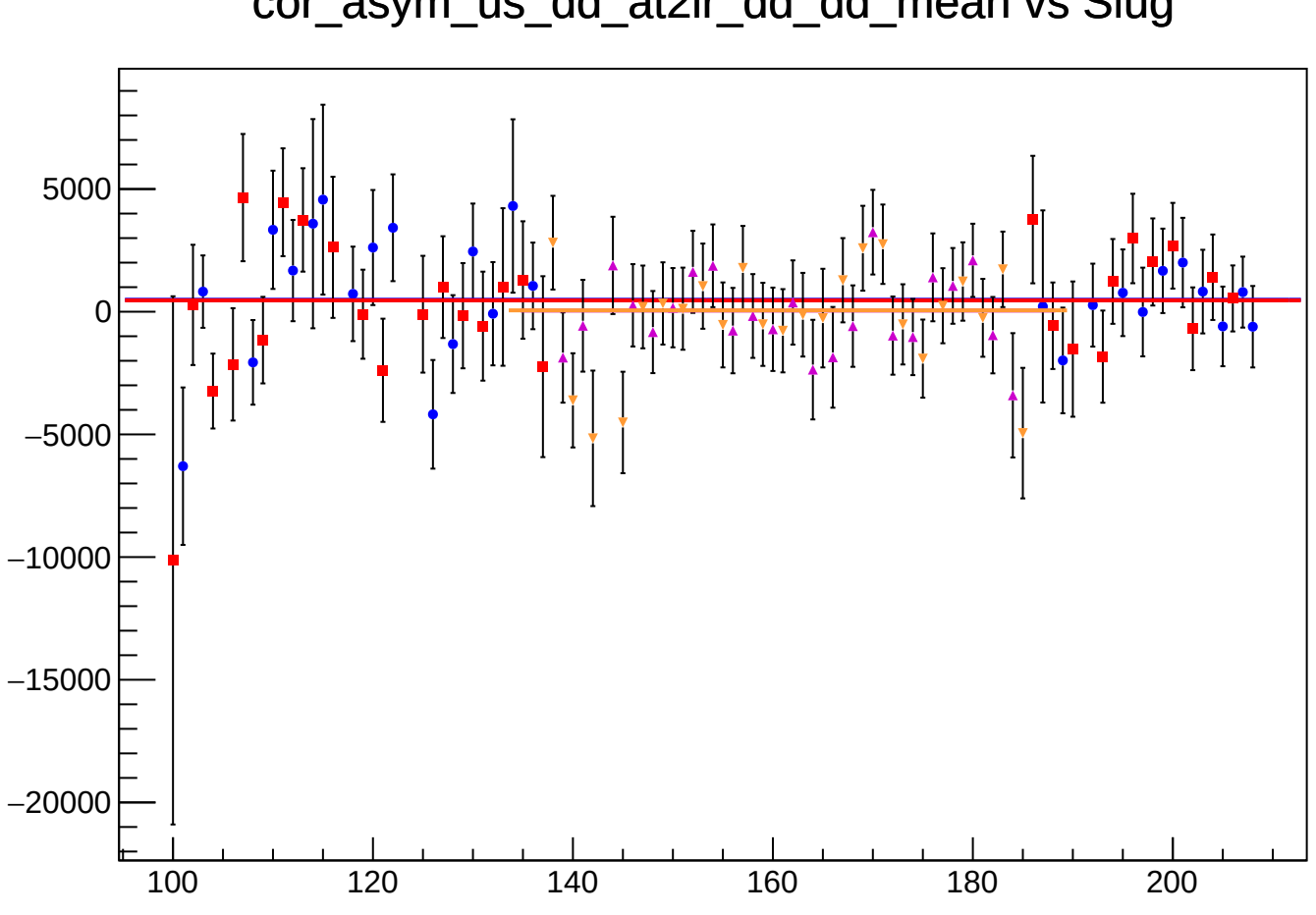
Right Out: 661.284+/-0.143 χ^2/NDF: 9278854.3/28

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 492.267+/-0.068 χ^2/NDF: 14502263.5/50

All: 487.768+/-0.047 χ^2/NDF: 29033433.6/10

- sign 483.363+/-0.067 χ^2/NDF: 14522385.3/51



Right In: 487.827+/-380.995 χ^2/NDF: 23.9/26

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 465.000+/-380.104 χ^2/NDF: 30.2/28

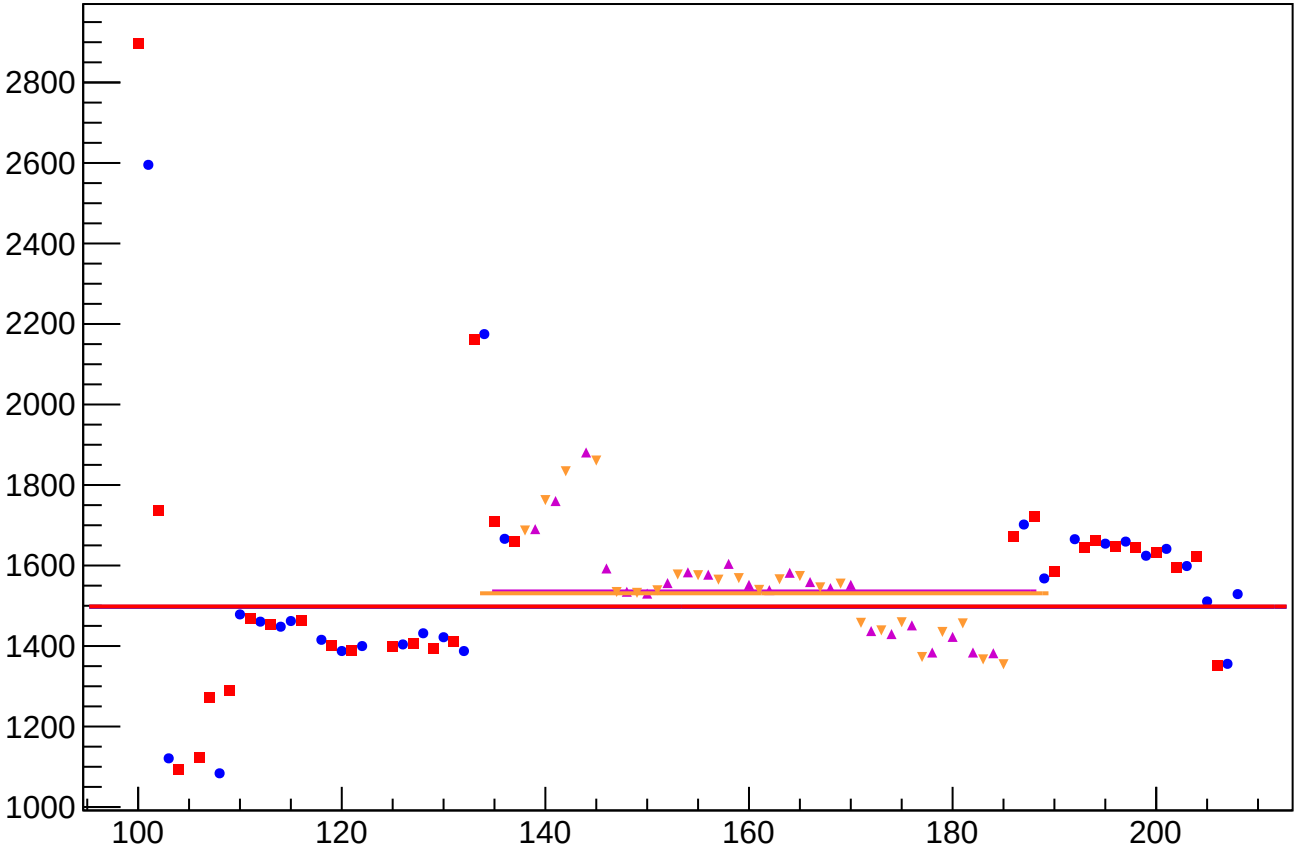
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 256.836+/-260.264 χ^2/NDF: 53.1/50

All: 250.961+/-184.363 χ^2/NDF: 100.7/102

- sign 245.045+/-261.197 χ^2/NDF: 47.6/51

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1497.426+/-0.269 χ^2/NDF: 708348.7/26

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

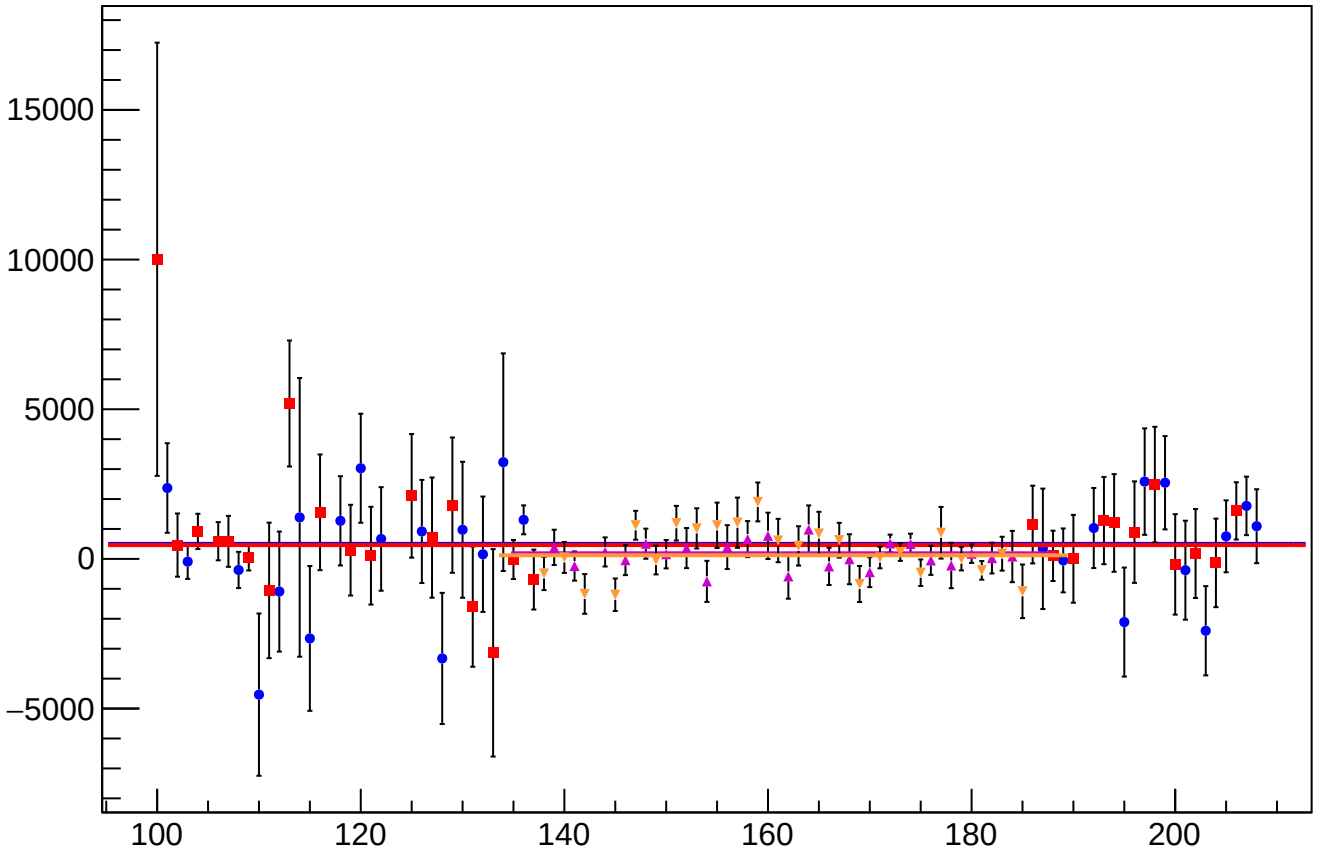
Right Out: 1498.220+/-0.269 χ^2/NDF: 574744.1/28

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1515.320+/-0.184 χ^2/NDF: 920160.0/50

All: 1516.617+/-0.130 χ^2/NDF: 1697618.2/10

- sign 1517.923+/-0.185 χ^2/NDF: 777358.5/51



Right In: 501.683+/-228.377 χ^2/NDF: 30.8/26

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: 461.408+/-200.095 χ^2/NDF: 18.2/28

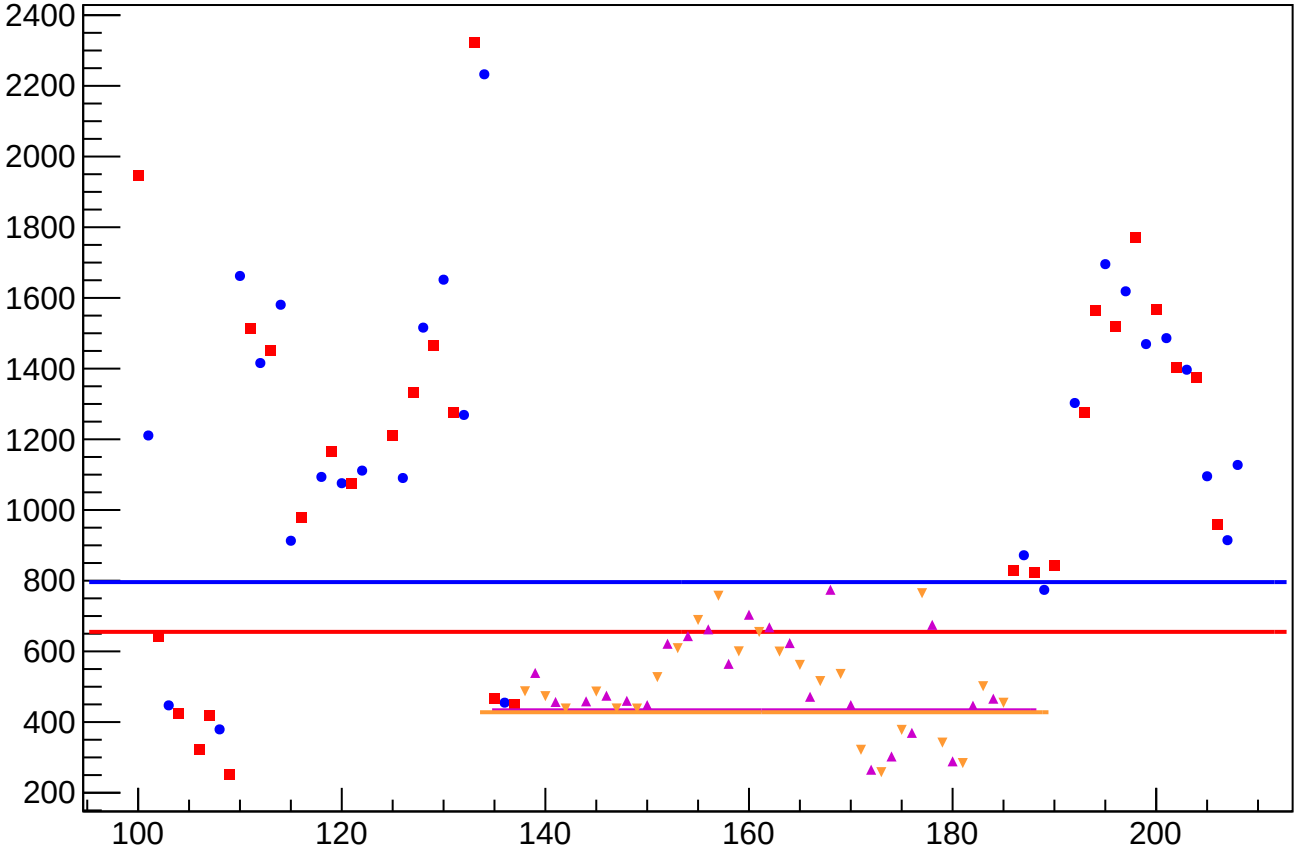
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 187.760+/-95.445 χ^2/NDF: 76.8/50

All: 218.244+/-67.096 χ^2/NDF: 108.2/102

- sign 248.026+/-94.339 χ^2/NDF: 31.2/51

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 796.022+/-0.161 χ^2/NDF: 7025115.6/26

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

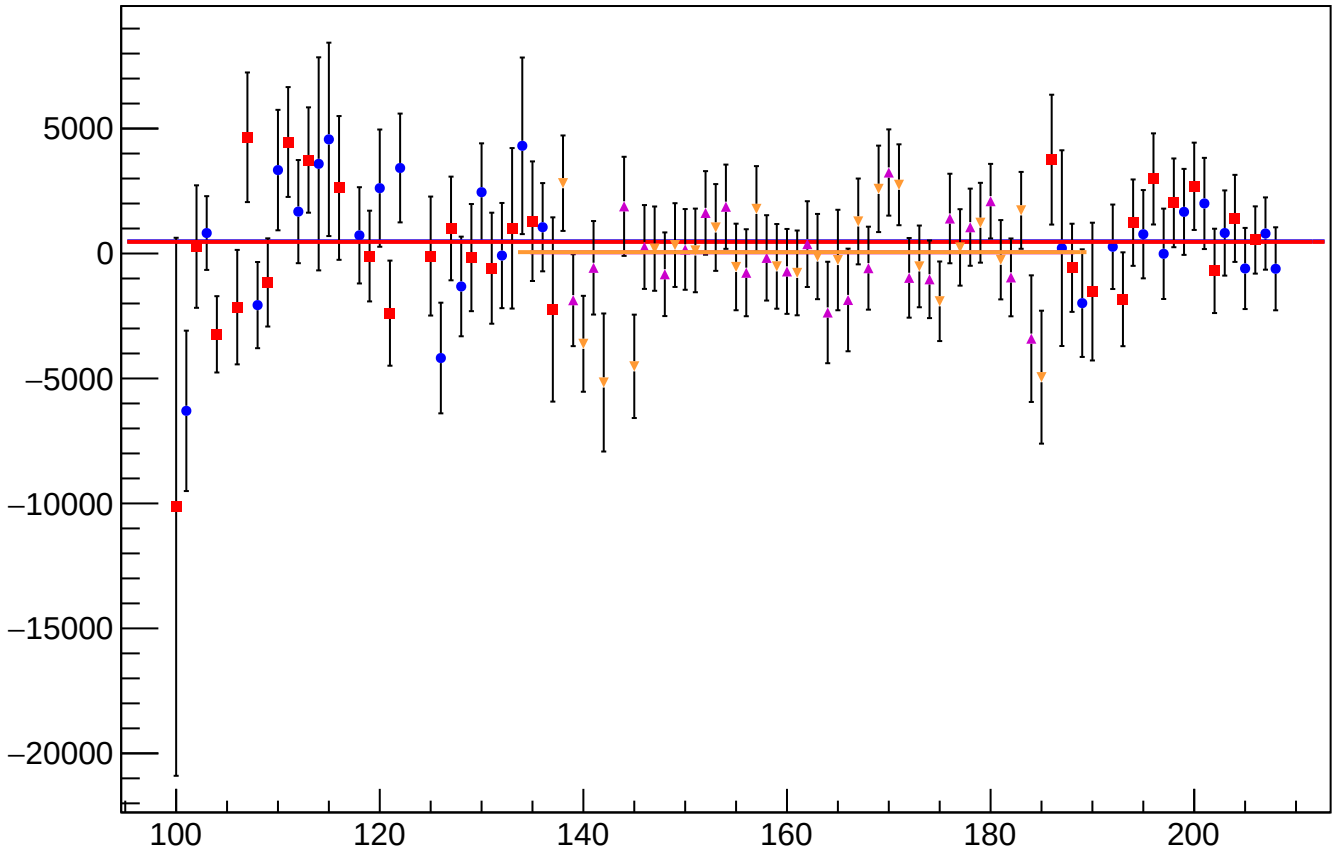
Right Out: 655.203+/-0.141 χ^2/NDF: 9384396.8/28

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 492.127+/-0.067 χ^2/NDF: 14504343.5/50

All: 487.315+/-0.047 χ^2/NDF: 29059868.3/10

- sign 482.615+/-0.067 χ^2/NDF: 14545477.2/51



Right In: 487.827+/-380.995 χ^2/NDF: 23.9/26

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 465.000+/-380.104 χ^2/NDF: 30.2/28

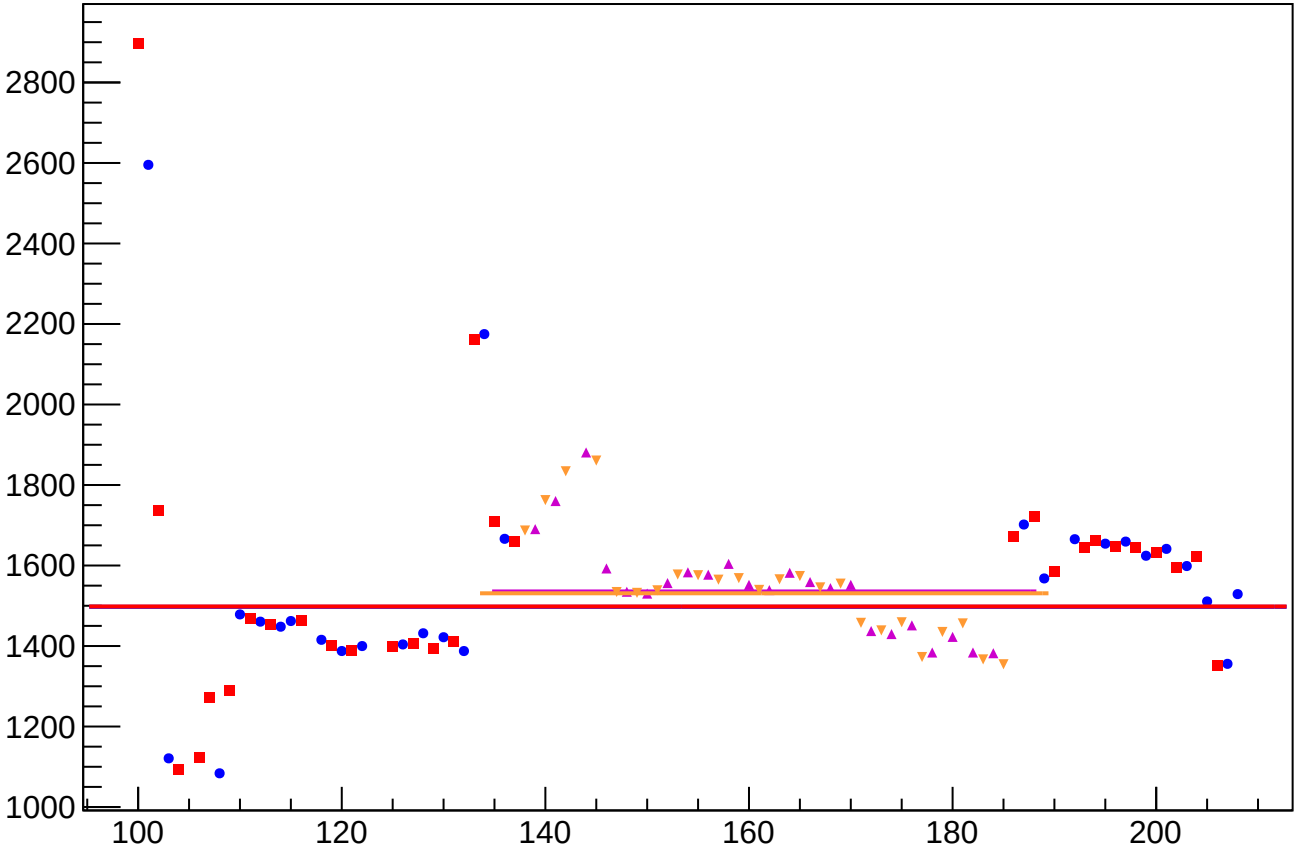
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 256.836+/-260.264 χ^2/NDF: 53.1/50

All: 250.961+/-184.363 χ^2/NDF: 100.7/102

- sign 245.045+/-261.197 χ^2/NDF: 47.6/51

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1497.426+/-0.269 χ^2/NDF: 708348.7/26

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

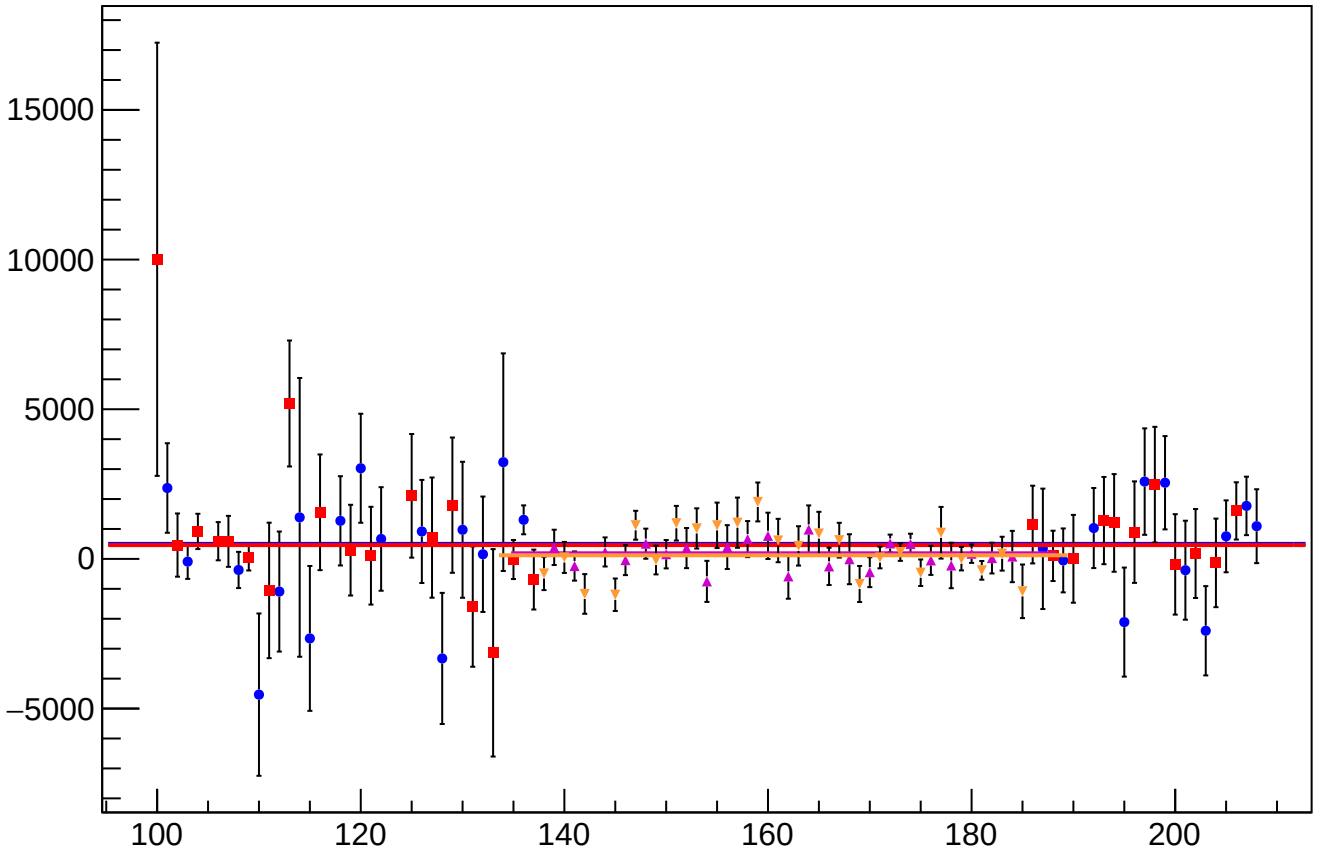
Right Out: 1498.220+/-0.269 χ^2/NDF: 574744.1/28

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1515.320+/-0.184 χ^2/NDF: 920160.0/50

All: 1516.617+/-0.130 χ^2/NDF: 1697618.2/10

- sign 1517.923+/-0.185 χ^2/NDF: 777358.5/51



Right In: 501.683+/-228.377 χ^2/NDF: 30.8/26

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

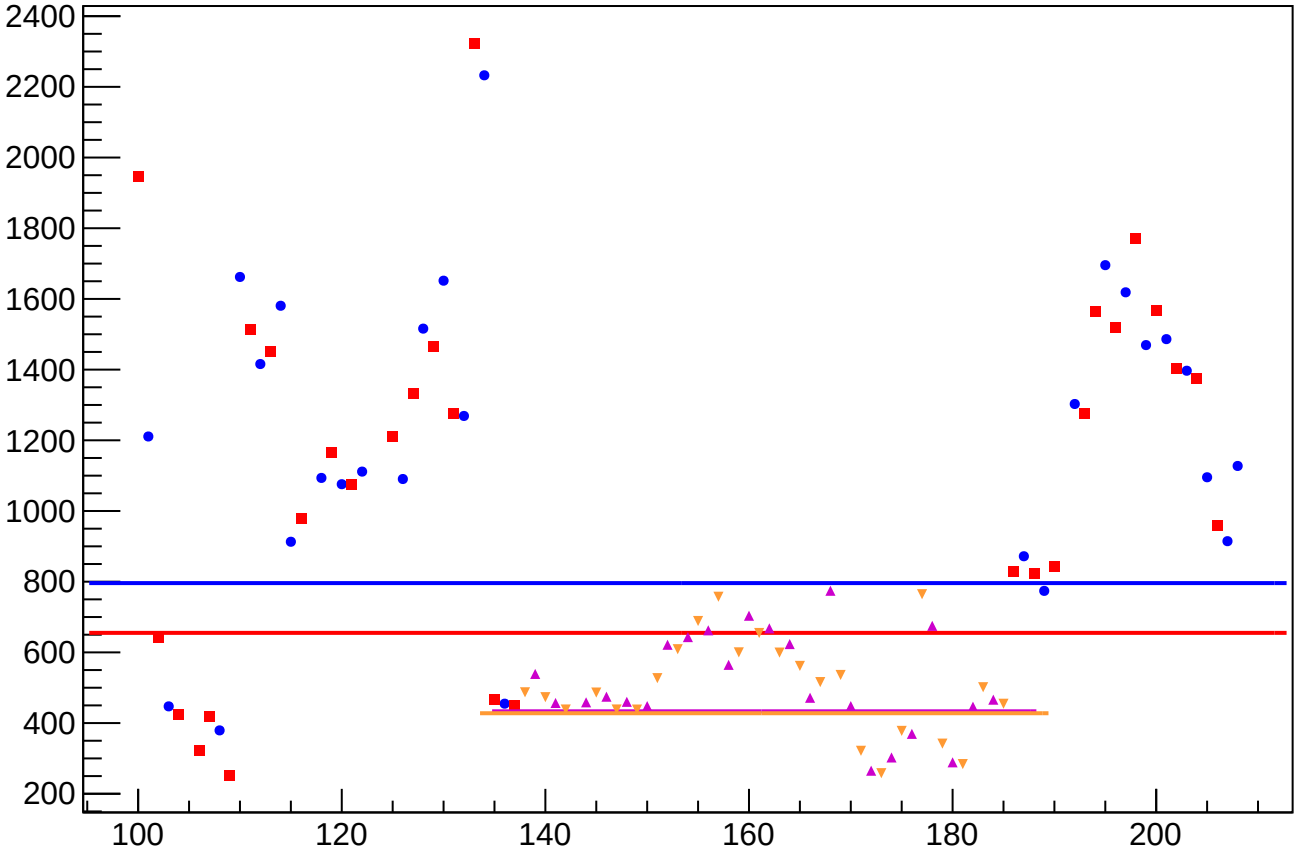
Right Out: 461.408+/-200.095 χ^2/NDF: 18.2/28

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 187.760+/-95.445 χ^2/NDF: 76.8/50

All: 218.244+/-67.096 χ^2/NDF: 108.2/102

- sign 248.026+/-94.339 χ^2/NDF: 31.2/51



Right In: 796.022+/-0.161 χ^2/NDF: 7025115.6/26

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 655.203+/-0.141 χ^2/NDF: 9384396.8/28

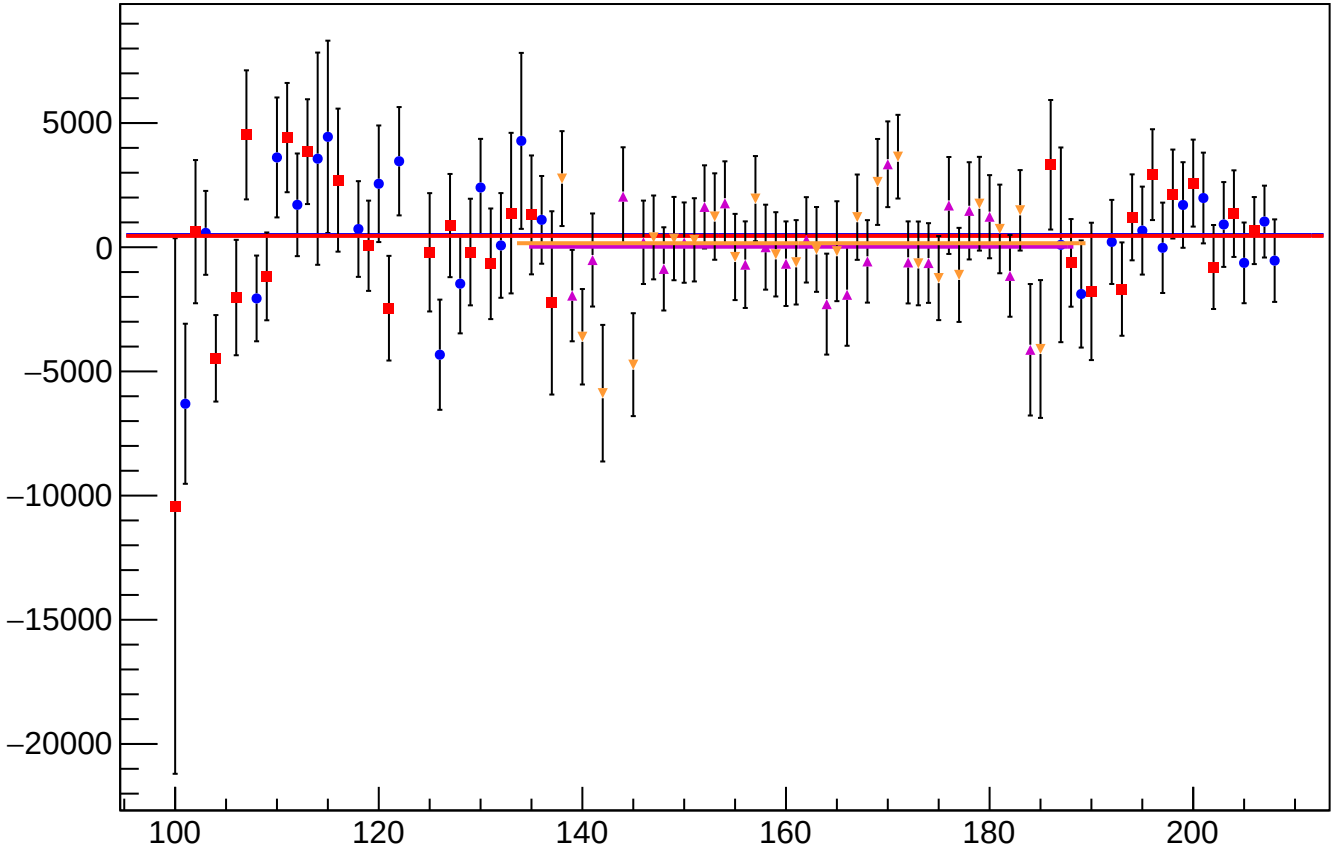
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 492.127+/-0.067 χ^2/NDF: 14504343.5/50

All: 487.315+/-0.047 χ^2/NDF: 29059868.3/10

- sign 482.615+/-0.067 χ^2/NDF: 14545477.2/51

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 490.615+/-384.666 χ^2/NDF: 24.4/26

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 456.314+/-385.101 χ^2/NDF: 31.8/28

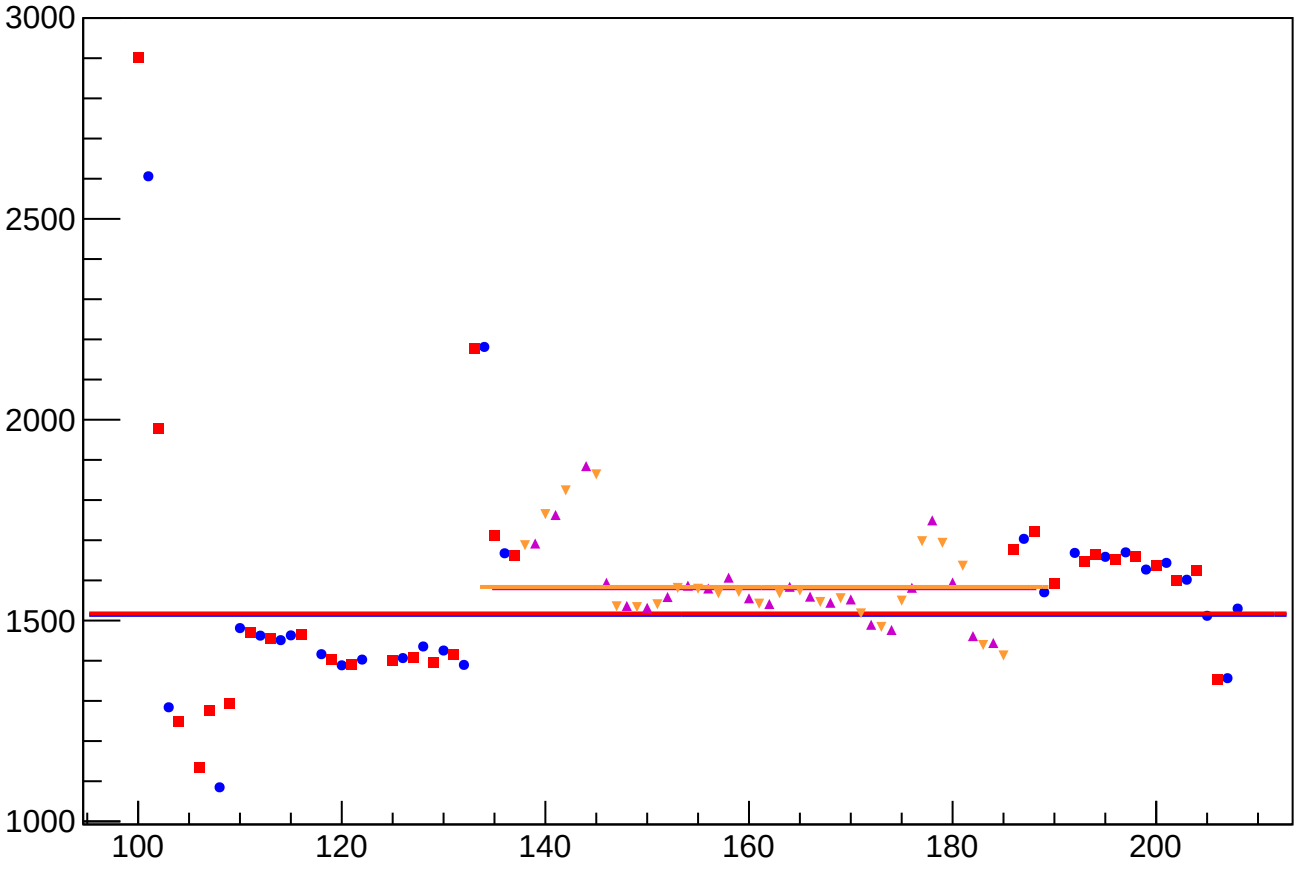
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 318.984+/-266.050 χ^2/NDF: 54.7/50

All: 274.324+/-188.364 χ^2/NDF: 103.2/102

- sign 229.437+/-266.726 χ^2/NDF: 48.5/51

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1514.237+/-0.272 χ^2/NDF: 612128.1/26

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

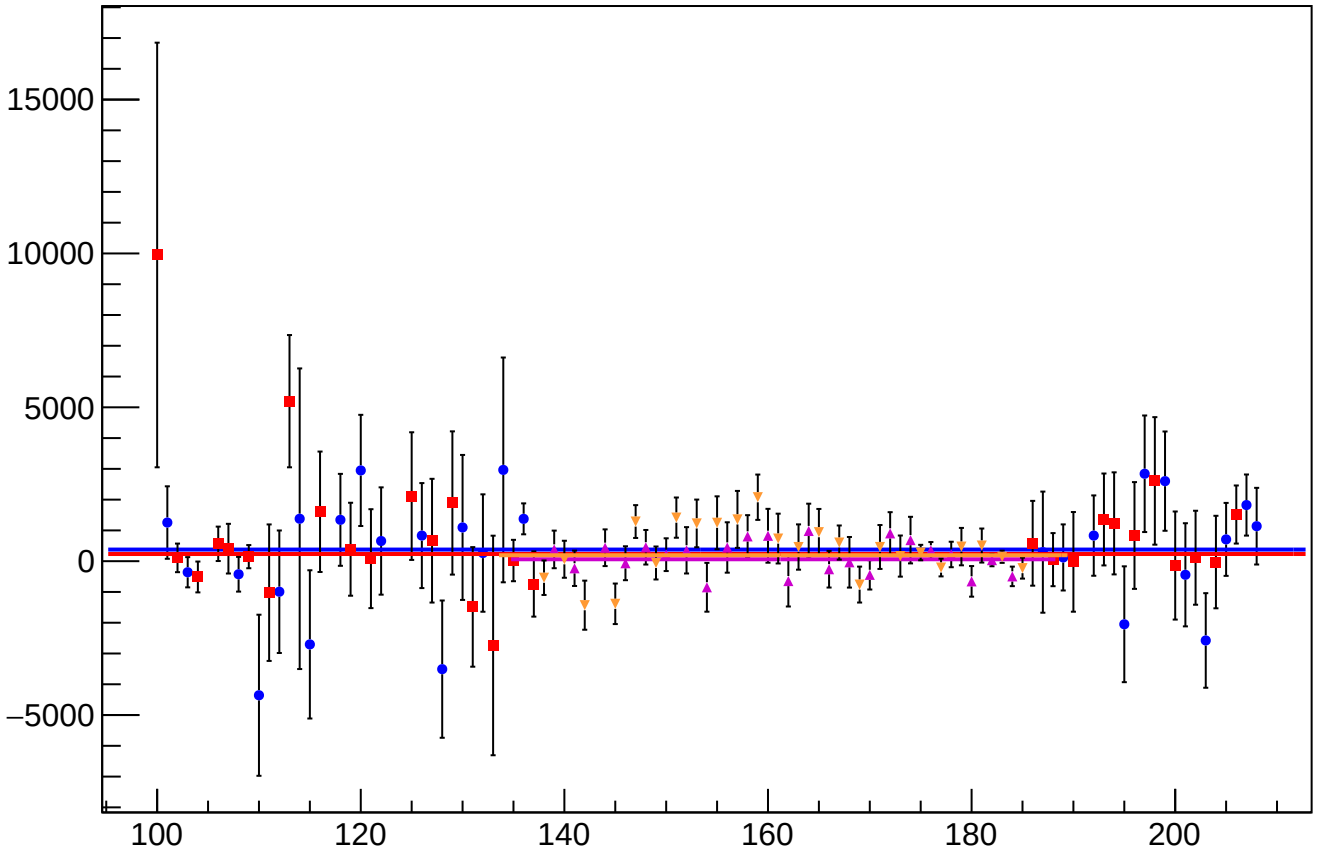
Right Out: 1517.673+/-0.272 χ^2/NDF: 509058.9/28

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1550.457+/-0.188 χ^2/NDF: 779705.2/50

All: 1550.400+/-0.133 χ^2/NDF: 1442174.4/10

- sign 1550.342+/-0.189 χ^2/NDF: 662469.0/51



Right In: 377.284+/-220.651 χ^2/NDF: 32.3/26

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

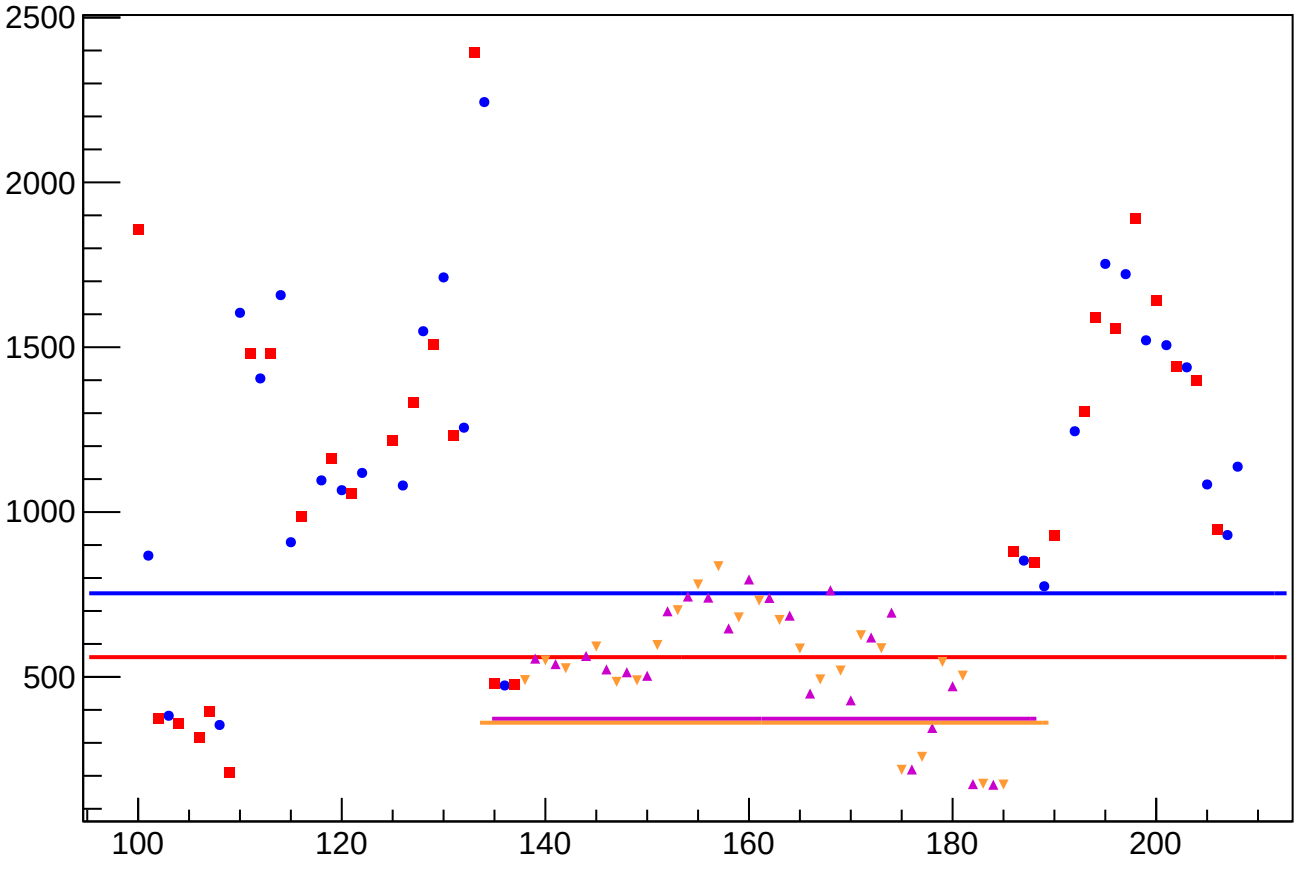
Right Out: 232.826+/-176.788 χ^2/NDF: 19.1/28

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 222.535+/-87.947 χ^2/NDF: 73.0/50

All: 162.207+/-61.798 χ^2/NDF: 110.7/102

- sign 103.369+/-86.853 χ^2/NDF: 36.8/51



Right In: 753.612+/-0.156 χ^2/NDF: 7705021.6/26

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

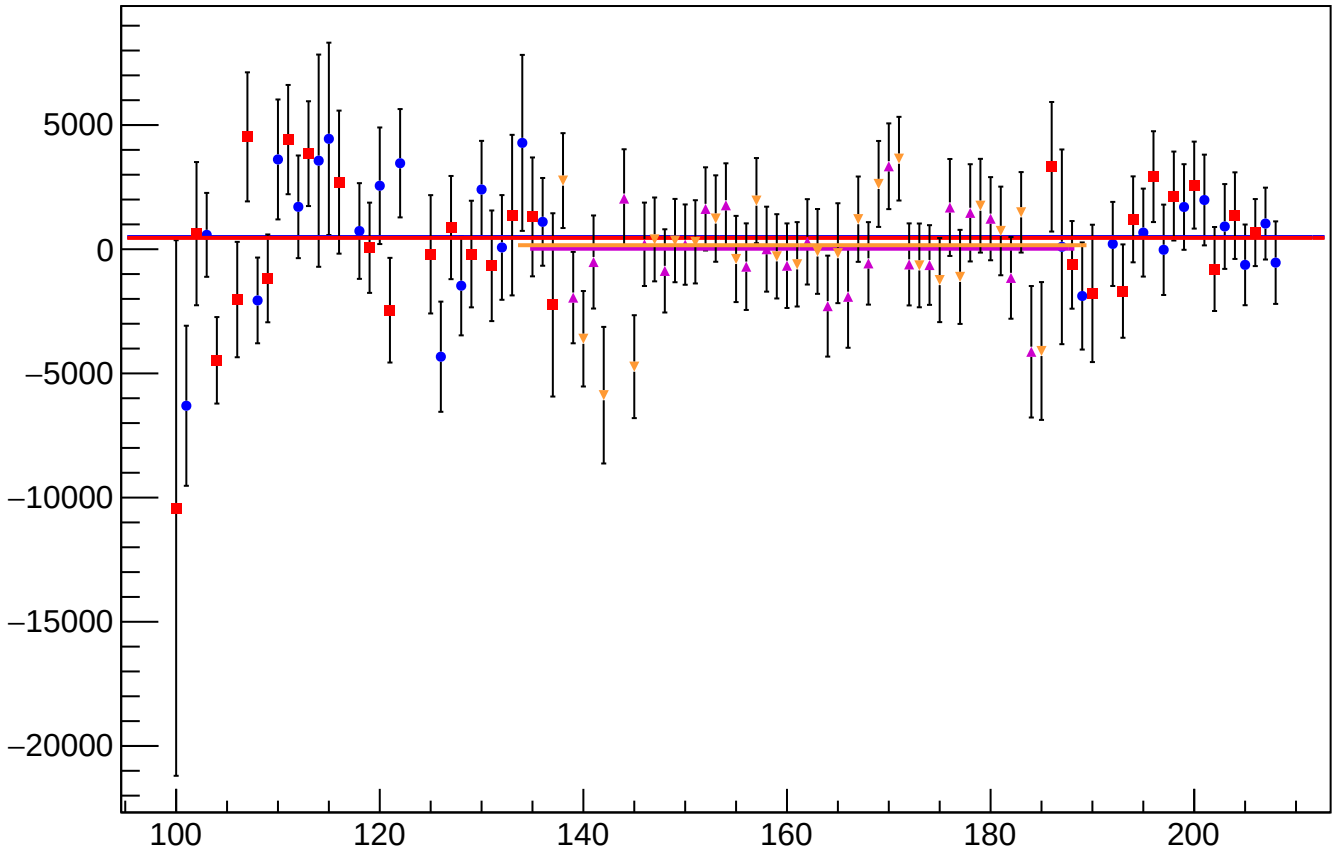
Right Out: 559.979+/-0.125 χ^2/NDF: 11410748.0/28

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 423.457+/-0.062 χ^2/NDF: 21211546.1/50

All: 420.814+/-0.044 χ^2/NDF: 42527924.8/10

- sign 418.236+/-0.061 χ^2/NDF: 21312810.8/51



Right In: 490.611+/-384.666 χ^2/NDF: 24.4/26

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: 456.312+/-385.101 χ^2/NDF: 31.8/28

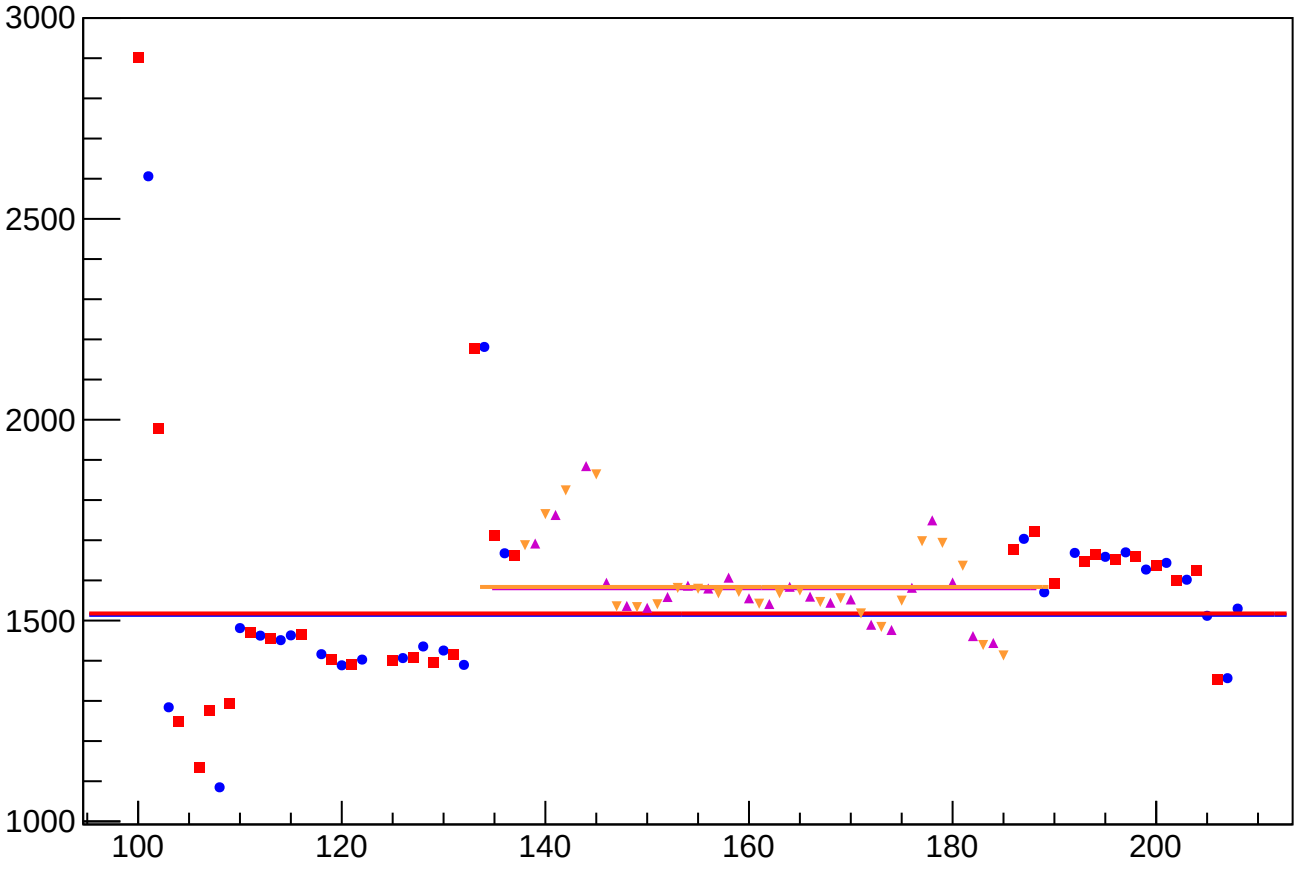
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 318.980+/-266.050 χ^2/NDF: 54.7/50

All: 274.321+/-188.364 χ^2/NDF: 103.2/102

- sign 229.435+/-266.726 χ^2/NDF: 48.5/51

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1514.237+/-0.272 χ^2/NDF: 612127.6/26

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

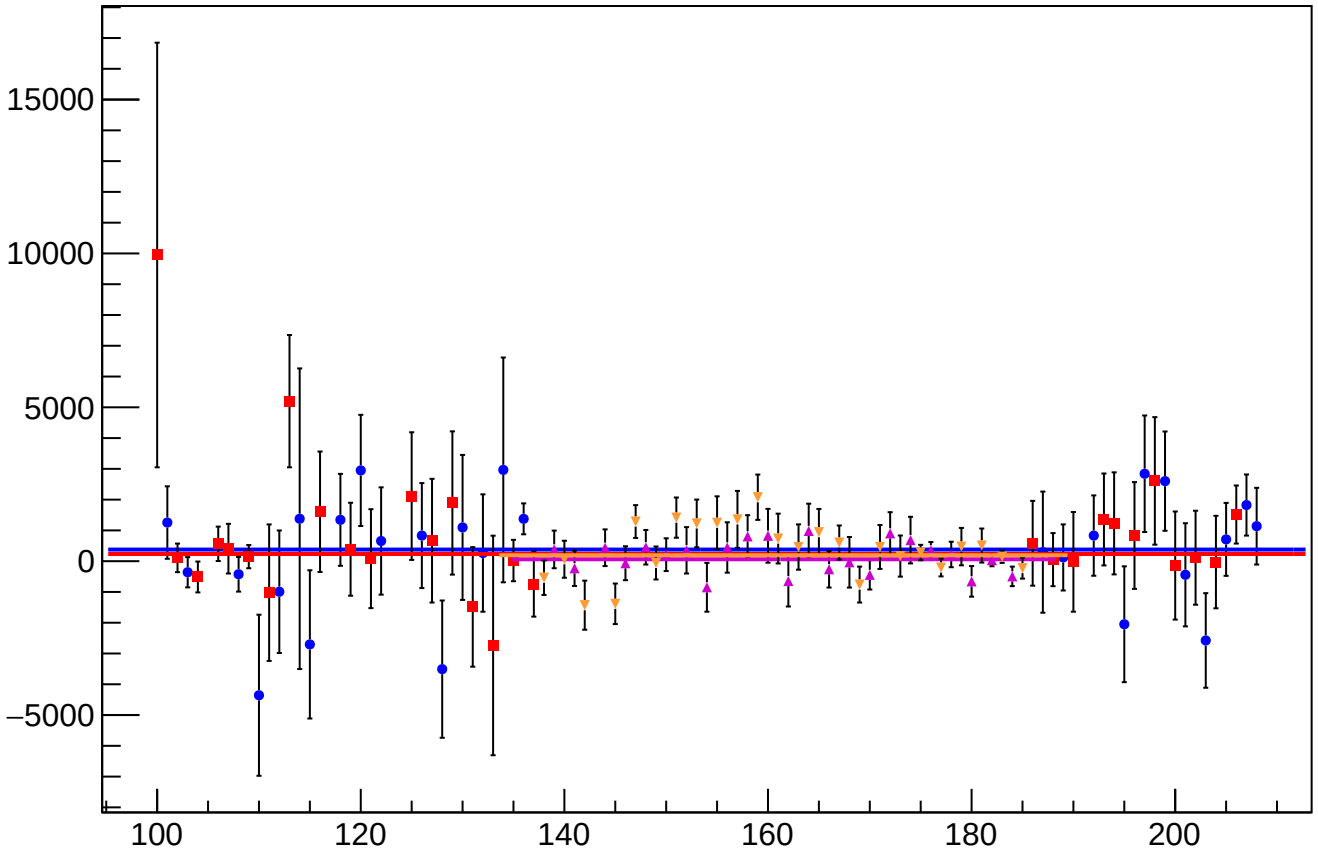
Right Out: 1517.673+/-0.272 χ^2/NDF: 509058.8/28

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1550.457+/-0.188 χ^2/NDF: 779704.8/50

All: 1550.400+/-0.133 χ^2/NDF: 1442173.7/10

- sign 1550.342+/-0.189 χ^2/NDF: 662468.7/51



Right In: 377.279+/-220.651 χ^2/NDF: 32.3/26

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

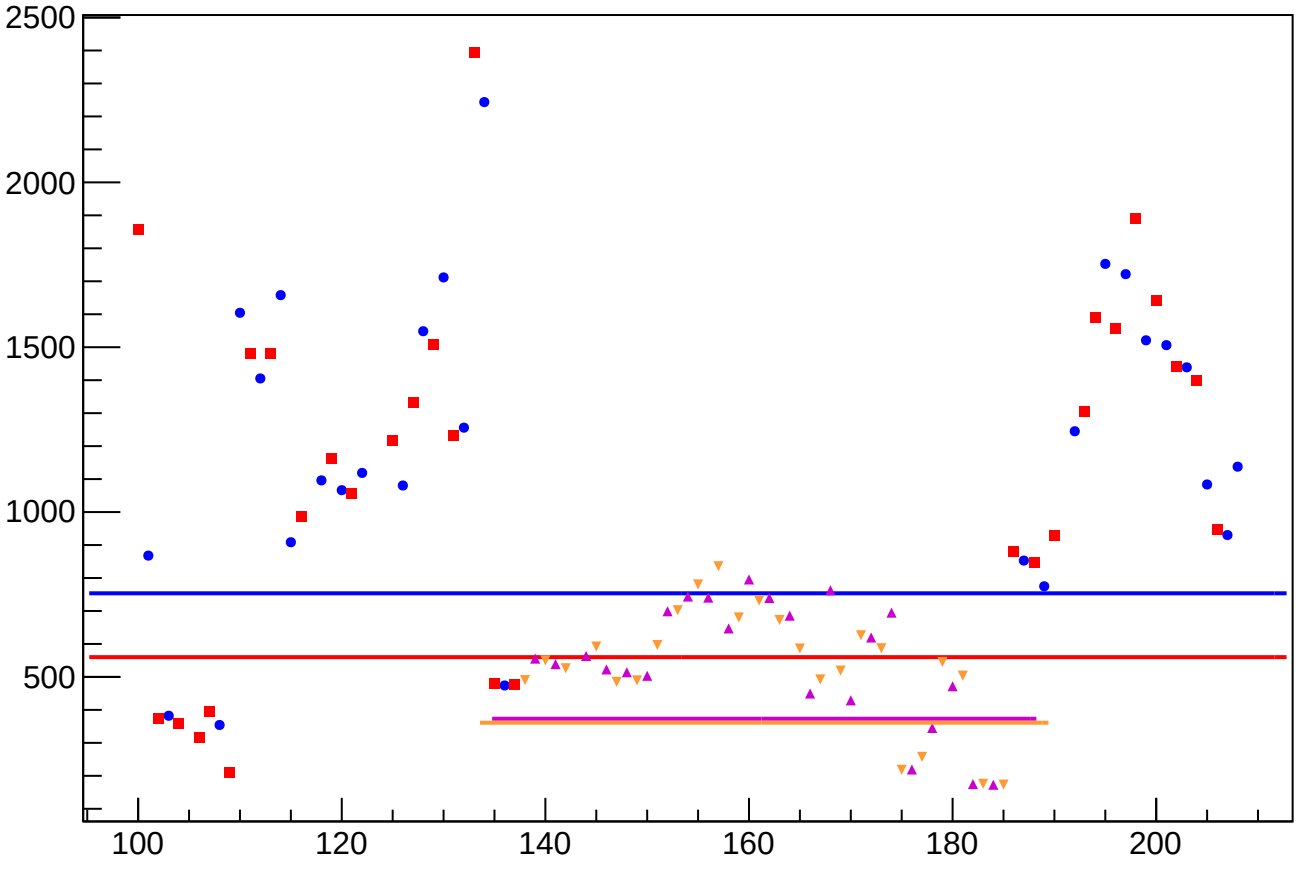
Right Out: 232.825+/-176.789 χ^2/NDF: 19.1/28

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

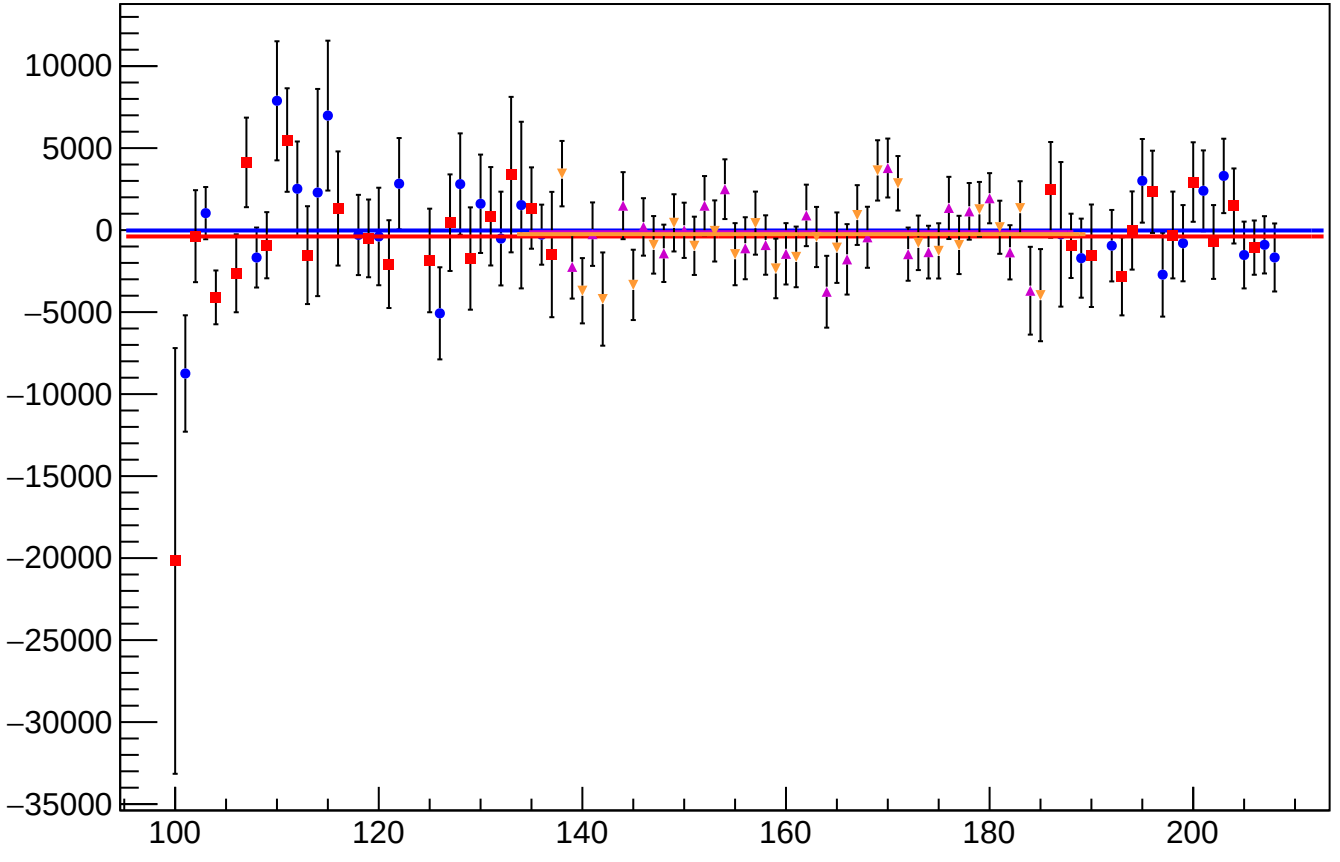
+ sign 222.539+/-87.948 χ^2/NDF: 73.0/50

All: 162.208+/-61.798 χ^2/NDF: 110.7/102

- sign 103.368+/-86.854 χ^2/NDF: 36.8/51


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 753.609+/-0.156 χ²/NDF: 7705043.5/26
Left Out: 361.103+/-0.068 χ²/NDF:8182968.2/23
Right Out: 559.986+/-0.125 χ²/NDF: 11410579.2/28
Left In: 373.145+/-0.071 χ²/NDF:8207110.6/22
+ sign 423.460+/-0.062 χ²/NDF: 21211256.2/50
All: 420.818+/-0.044 χ²/NDF: 42527227.2/10
- sign 418.241+/-0.061 χ²/NDF: 21312405.4/51

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: -23.193+/-480.053 χ^2/NDF: 28.7/26

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -387.337+/-474.700 χ^2/NDF: 23.4/28

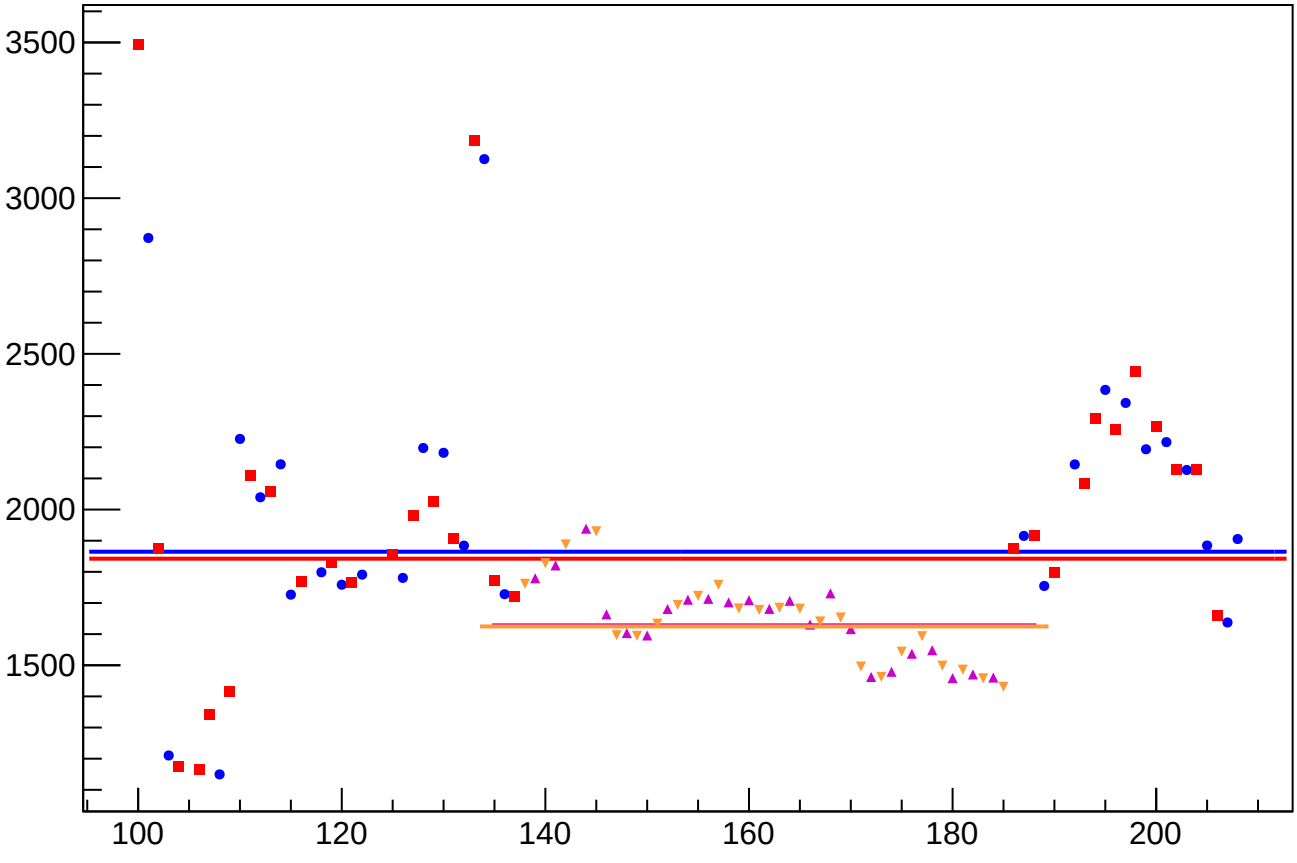
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -161.349+/-297.092 χ^2/NDF: 54.9/50

All: -194.933+/-210.141 χ^2/NDF: 99.7/102

- sign -228.560+/-297.277 χ^2/NDF: 44.8/51

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1864.621+/-0.339 χ^2/NDF: 1357779.2/26

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

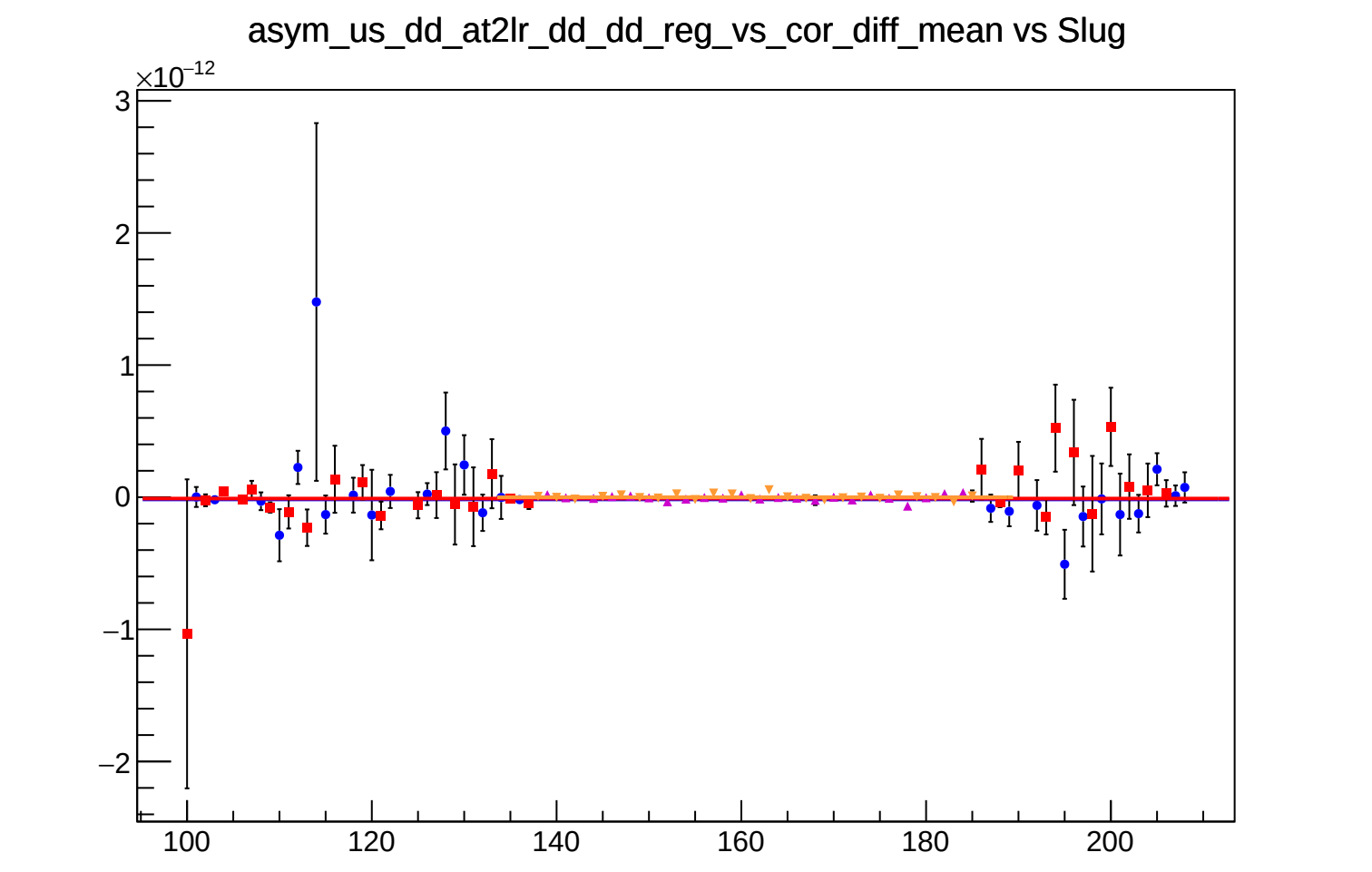
Right Out: 1842.264+/-0.336 χ^2/NDF: 1288150.6/28

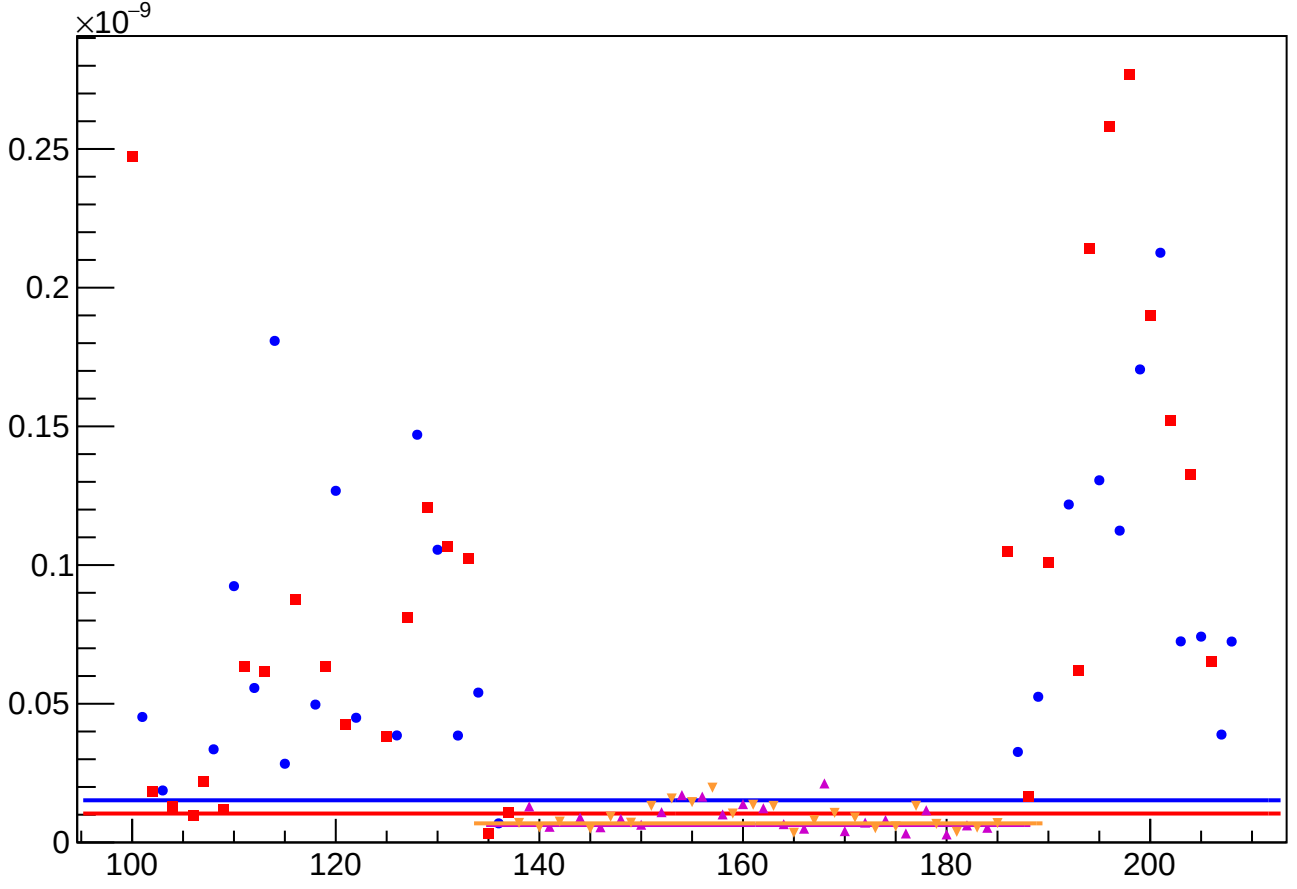
Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1716.538+/-0.210 χ^2/NDF: 1873483.5/50

All: 1714.352+/-0.149 χ^2/NDF: 3613887.2/10

- sign 1712.164+/-0.210 χ^2/NDF: 1740187.1/51


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.3/26
Left Out: -0.000+/-0.000 χ²/NDF:22.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.2/28
Left In: -0.000+/-0.000 χ²/NDF:24.2/22
+ sign -0.000+/-0.000 χ²/NDF: 48.2/50
All: -0.000+/-0.000 χ²/NDF: 100.6/102
- sign -0.000+/-0.000 χ²/NDF: 52.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 8236376.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

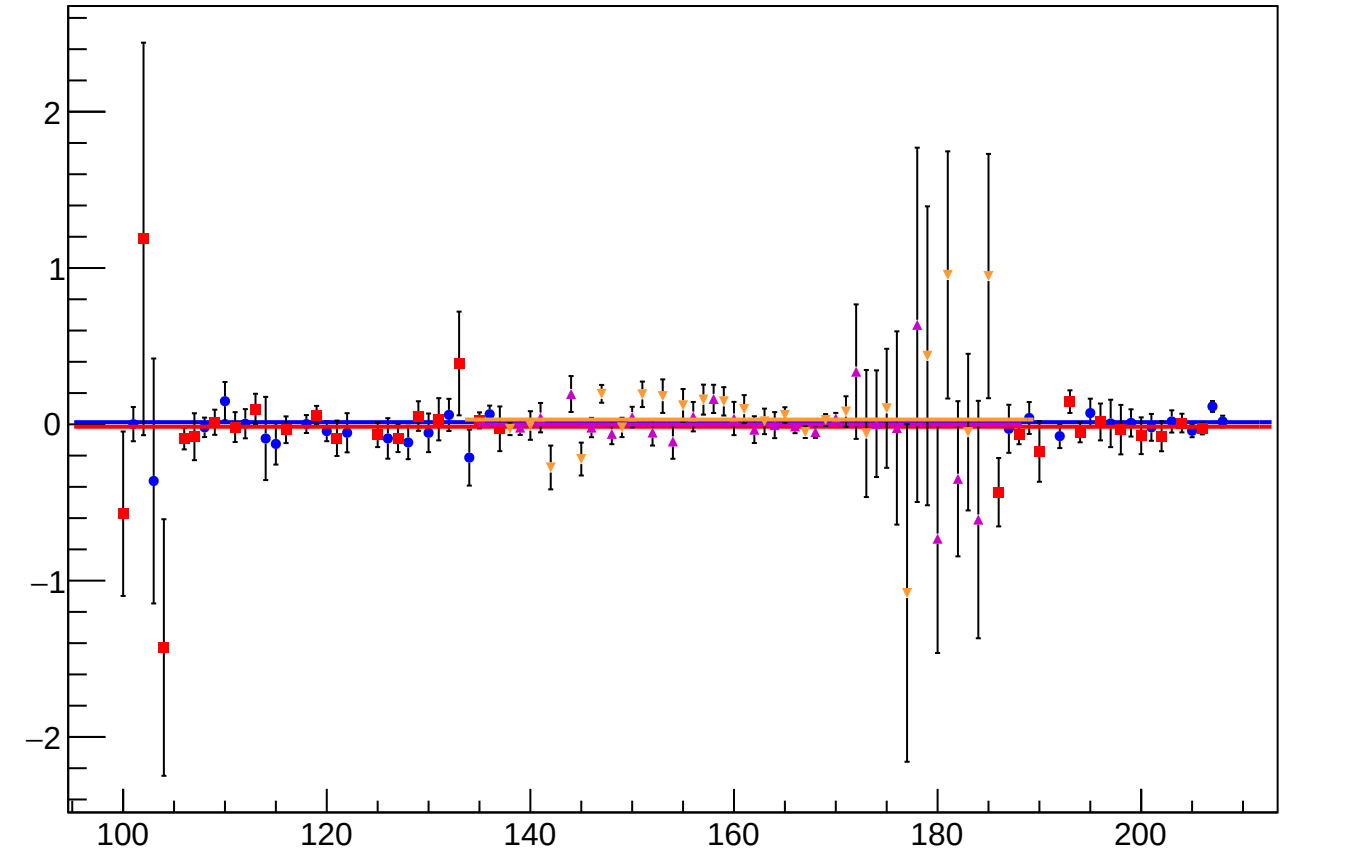
Right Out: 0.000+/-0.000 χ^2/NDF: 9695829.8/28

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11781016.3/50

All: 0.000+/-0.000 χ^2/NDF: 24905056.5/102

- sign 0.000+/-0.000 χ^2/NDF: 13024363.2/51



Right In: 0.014+/-0.014 χ^2/NDF: 21.5/26

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: -0.015+/-0.016 χ^2/NDF: 25.1/28

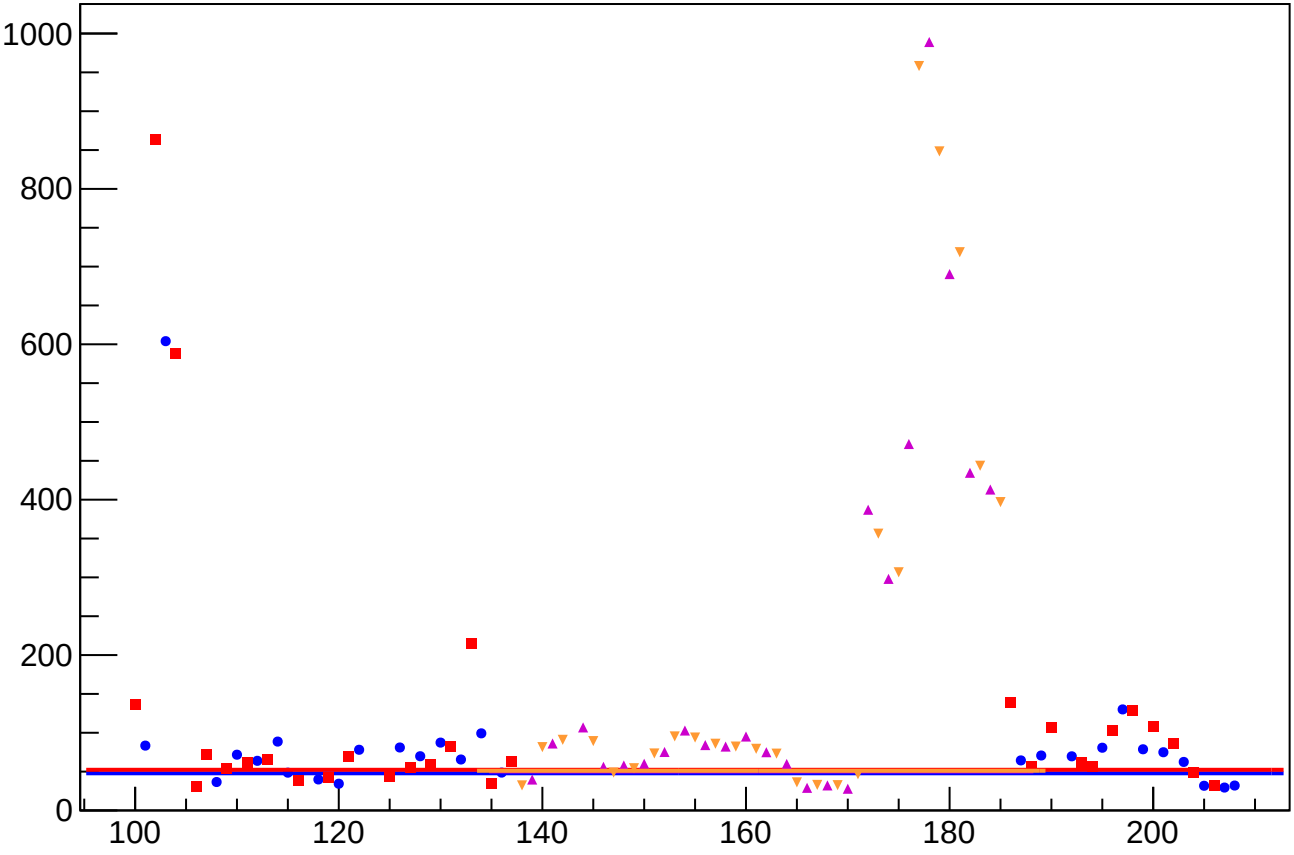
Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.021+/-0.010 χ^2/NDF: 63.7/50

All: 0.007+/-0.008 χ^2/NDF: 109.1/102

- sign -0.008+/-0.011 χ^2/NDF: 41.6/51

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 47.835+/-0.010 χ^2/NDF: 5242887.0/26

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

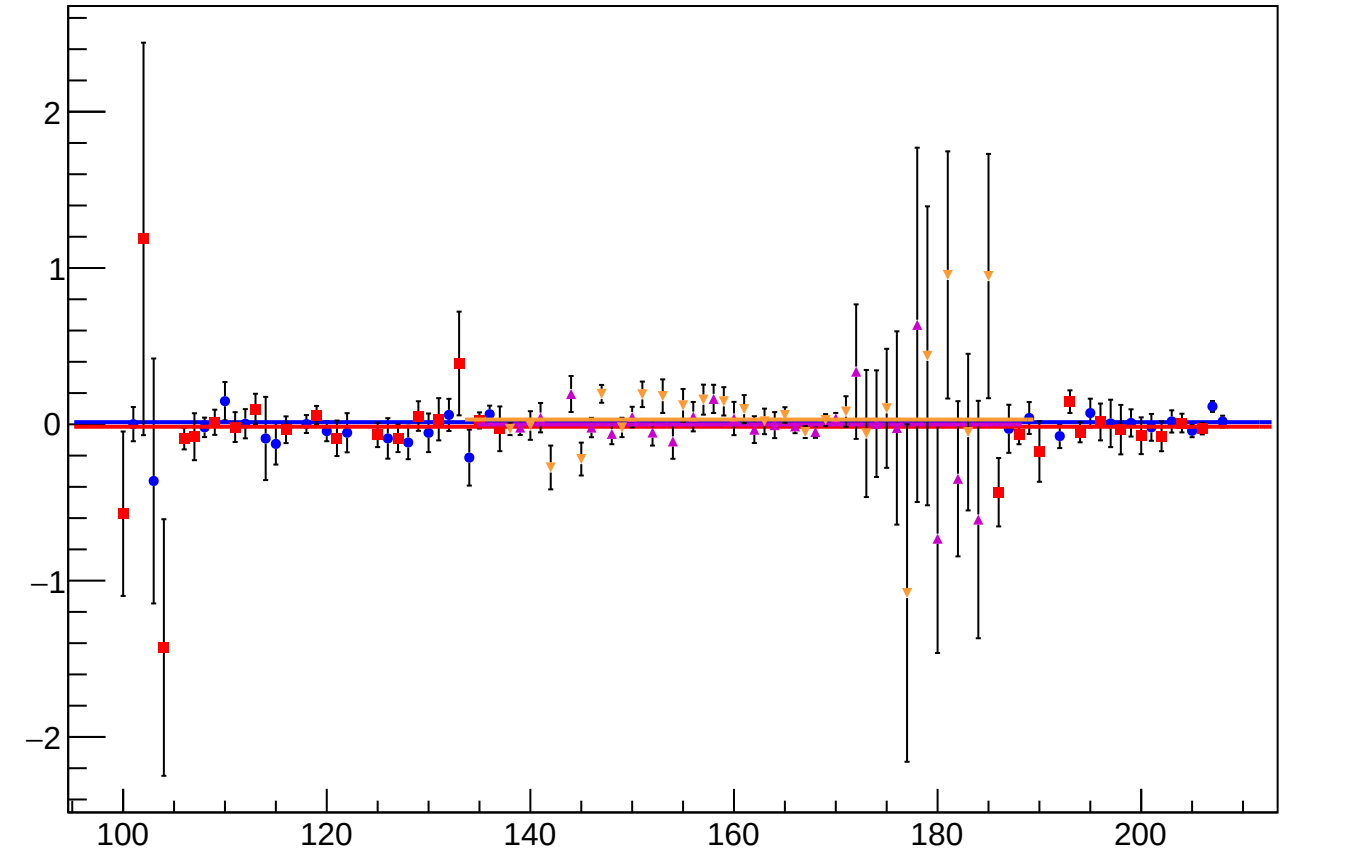
Right Out: 52.334+/-0.011 χ^2/NDF: 5699277.6/28

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 49.320+/-0.007 χ^2/NDF: 17027267.0/50

All: 50.254+/-0.005 χ^2/NDF: 34973681.7/102

- sign 51.268+/-0.008 χ^2/NDF: 17913212.0/51



Right In: 0.014+/-0.014 χ^2/NDF: 21.5/26

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

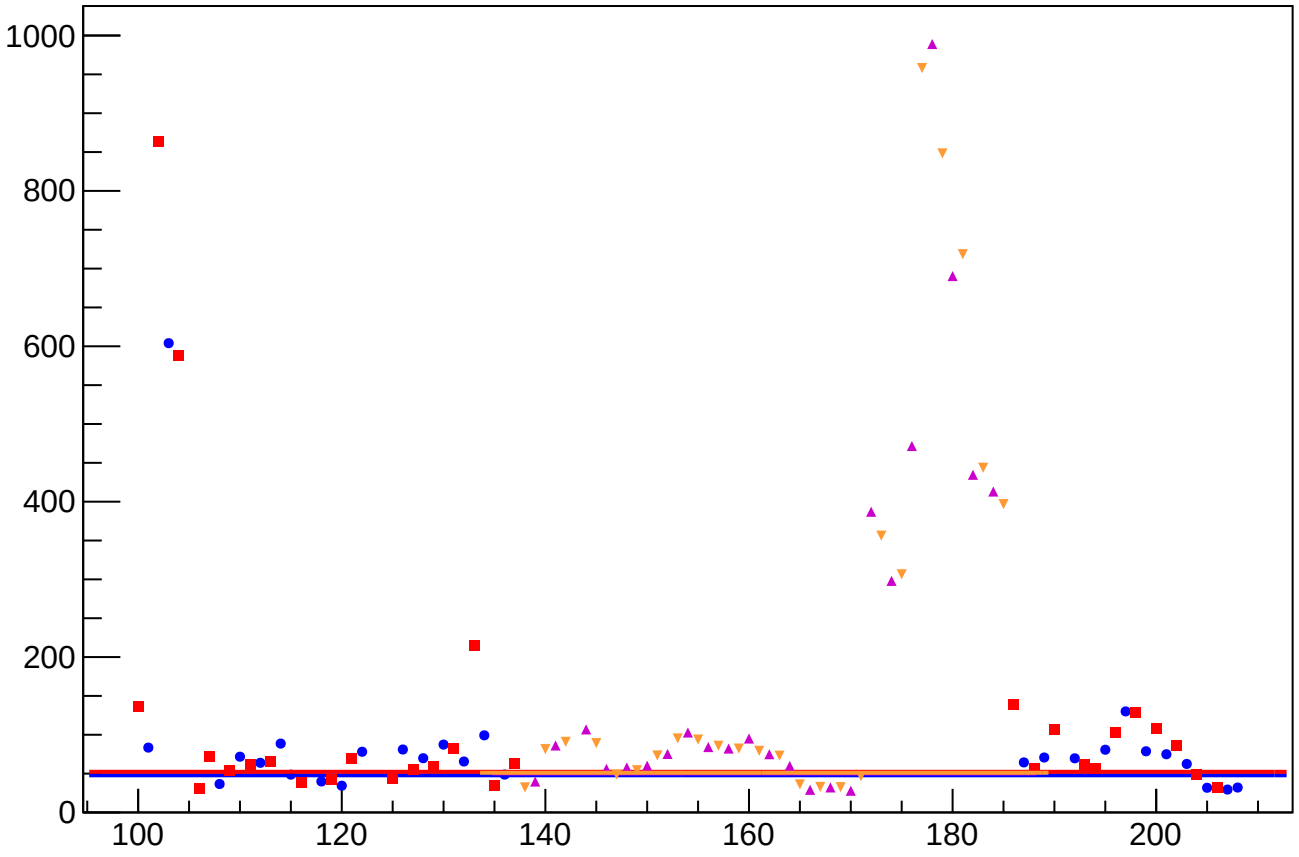
Right Out: -0.015+/-0.016 χ^2/NDF: 25.1/28

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.021+/-0.010 χ^2/NDF: 63.7/50

All: 0.007+/-0.008 χ^2/NDF: 109.1/102

- sign -0.008+/-0.011 χ^2/NDF: 41.6/51



Right In: 47.835+/-0.010 χ^2/NDF: 5242887.0/26

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

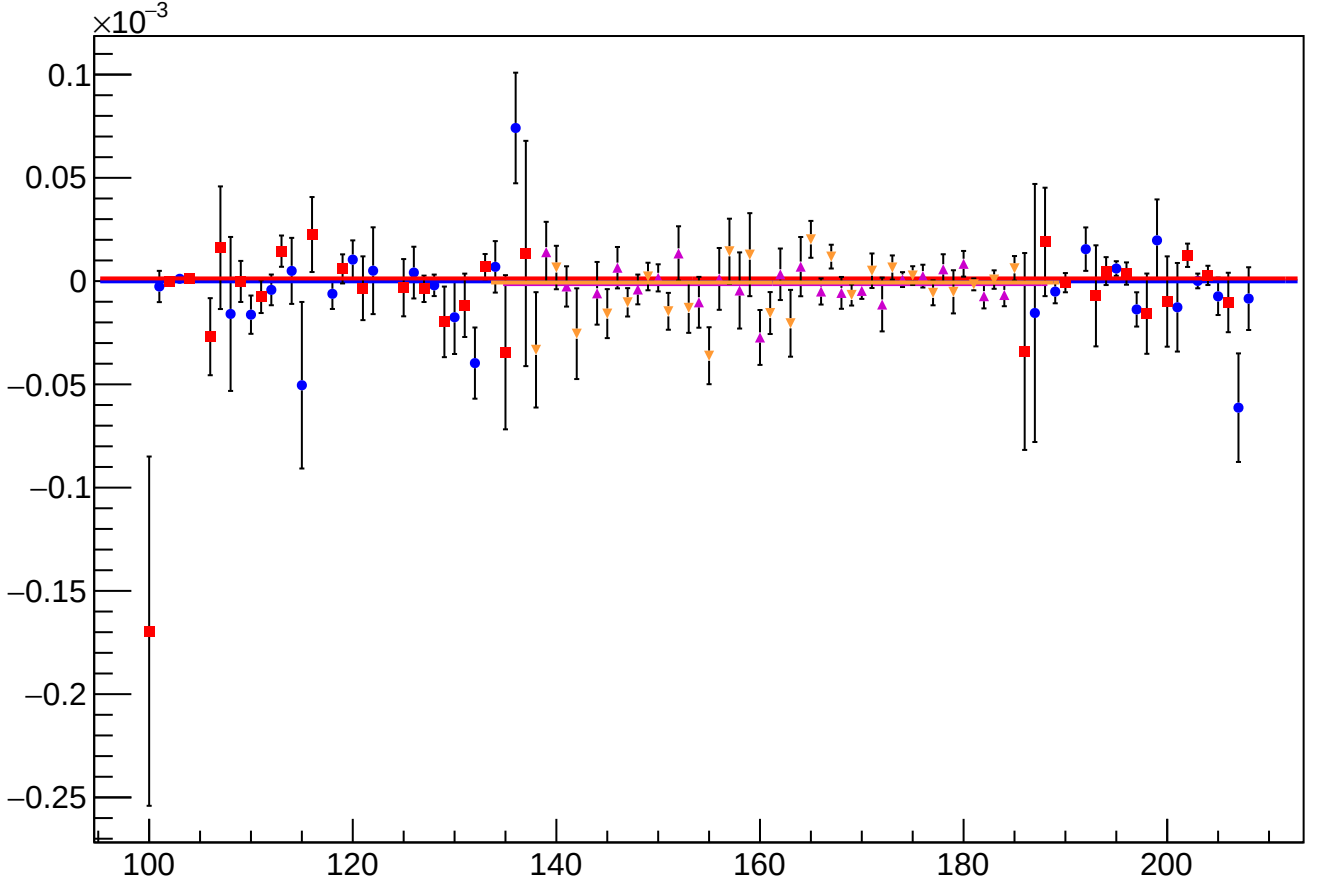
Right Out: 52.334+/-0.011 χ^2/NDF: 5699277.6/28

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 49.320+/-0.007 χ^2/NDF: 17027267.0/50

All: 50.254+/-0.005 χ^2/NDF: 34973681.7/102

- sign 51.268+/-0.008 χ^2/NDF: 17913212.0/51



Right In: -0.000+/-0.000 χ^2/NDF: 38.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

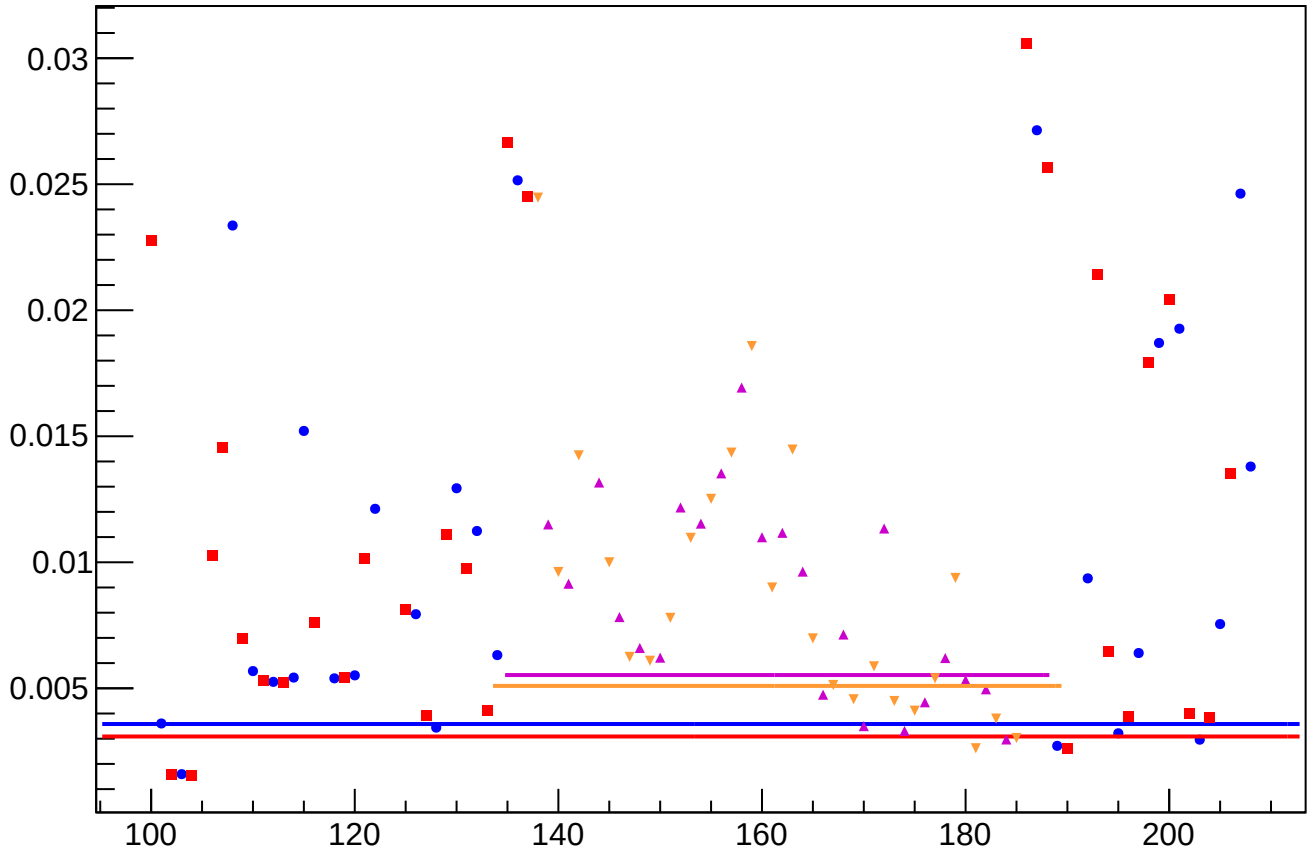
Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/28

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.2/50

All: -0.000+/-0.000 χ^2/NDF: 121.6/102

- sign 0.000+/-0.000 χ^2/NDF: 44.1/51



Right In: 0.004+/-0.000 χ^2/NDF: 12019542.9/26

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

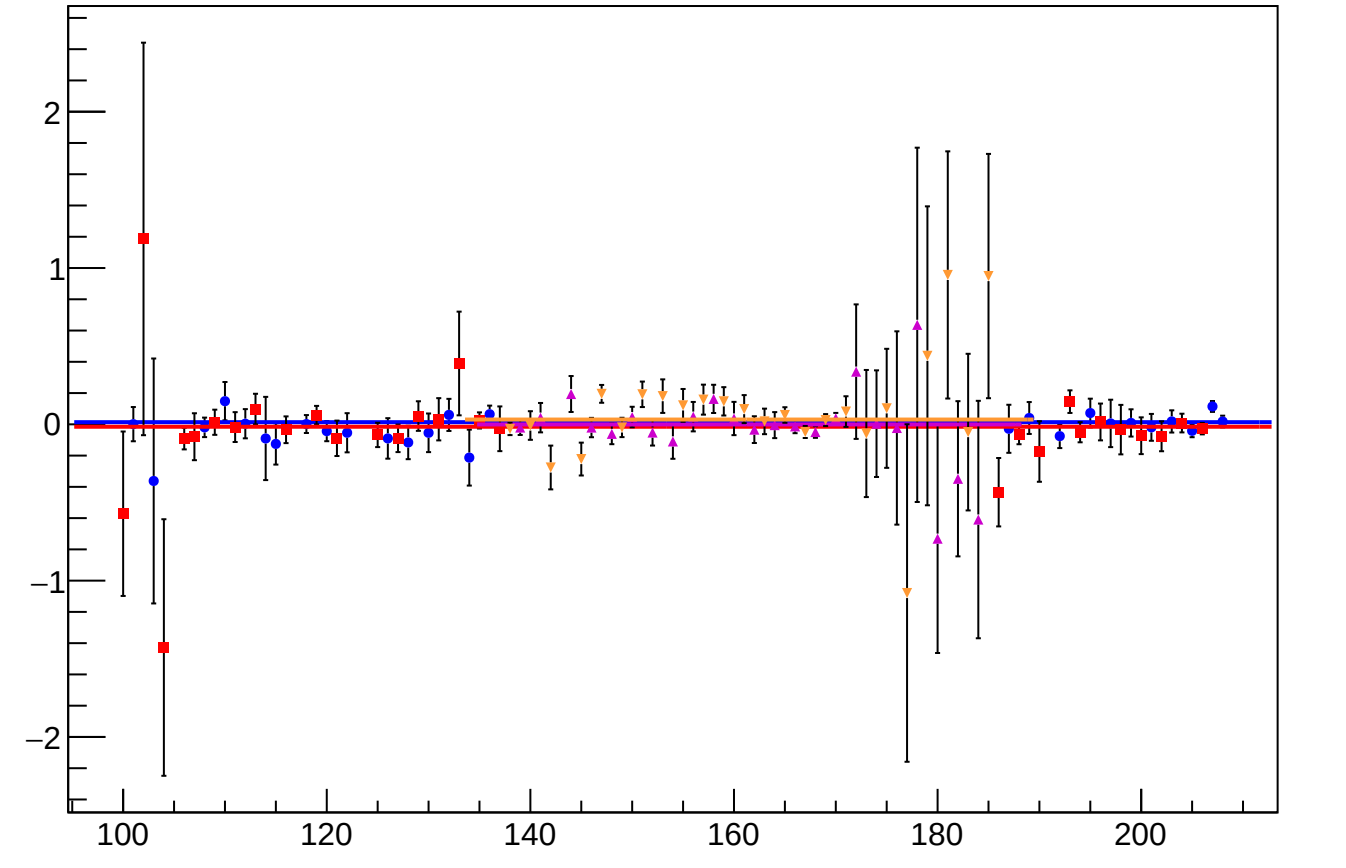
Right Out: 0.003+/-0.000 χ^2/NDF: 14021833.3/28

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 21686327.6/50

All: 0.004+/-0.000 χ^2/NDF: 46119627.8/102

- sign 0.004+/-0.000 χ^2/NDF: 24304470.7/51



Right In: 0.014+/-0.014 χ^2/NDF: 21.5/26

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

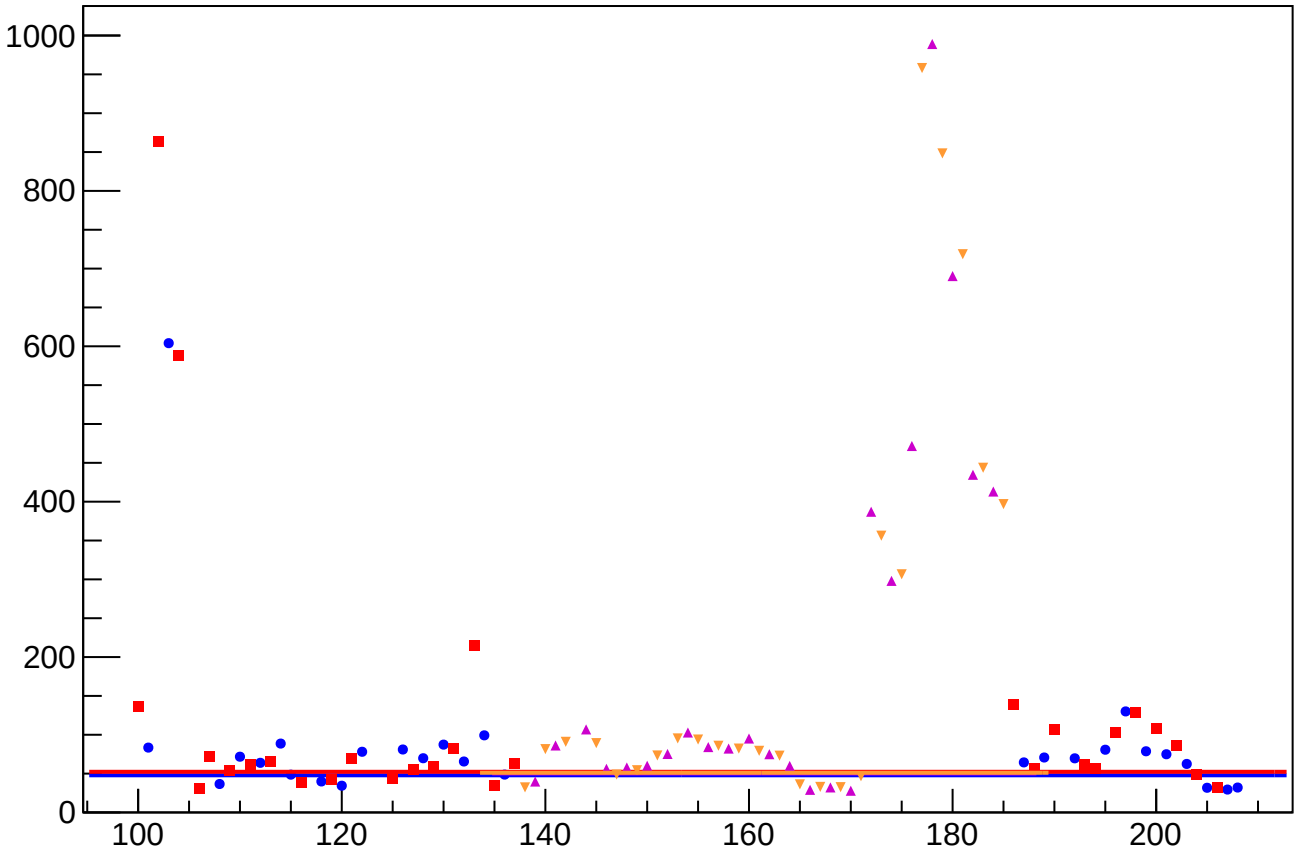
Right Out: -0.015+/-0.016 χ^2/NDF: 25.1/28

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.021+/-0.010 χ^2/NDF: 63.7/50

All: 0.007+/-0.008 χ^2/NDF: 109.1/102

- sign -0.008+/-0.011 χ^2/NDF: 41.6/51



Right In: 47.835+/-0.010 χ^2/NDF: 5242762.6/26

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

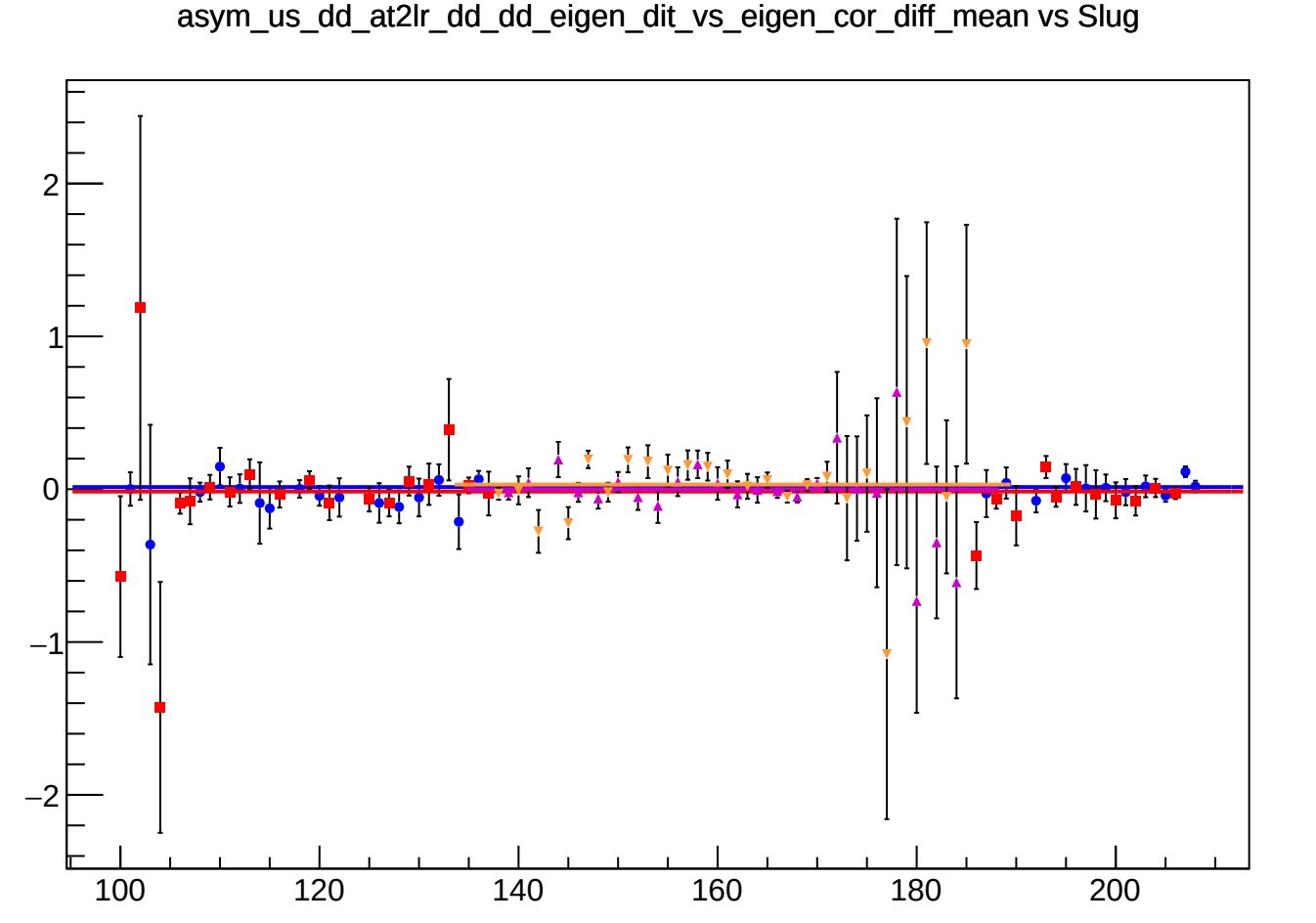
Right Out: 52.335+/-0.011 χ^2/NDF: 5699045.0/28

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 49.321+/-0.007 χ^2/NDF: 17026370.6/50

All: 50.255+/-0.005 χ^2/NDF: 34972488.6/102

- sign 51.269+/-0.008 χ^2/NDF: 17912940.3/51



Right In: 0.014+/-0.014 χ^2/NDF: 21.5/26

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

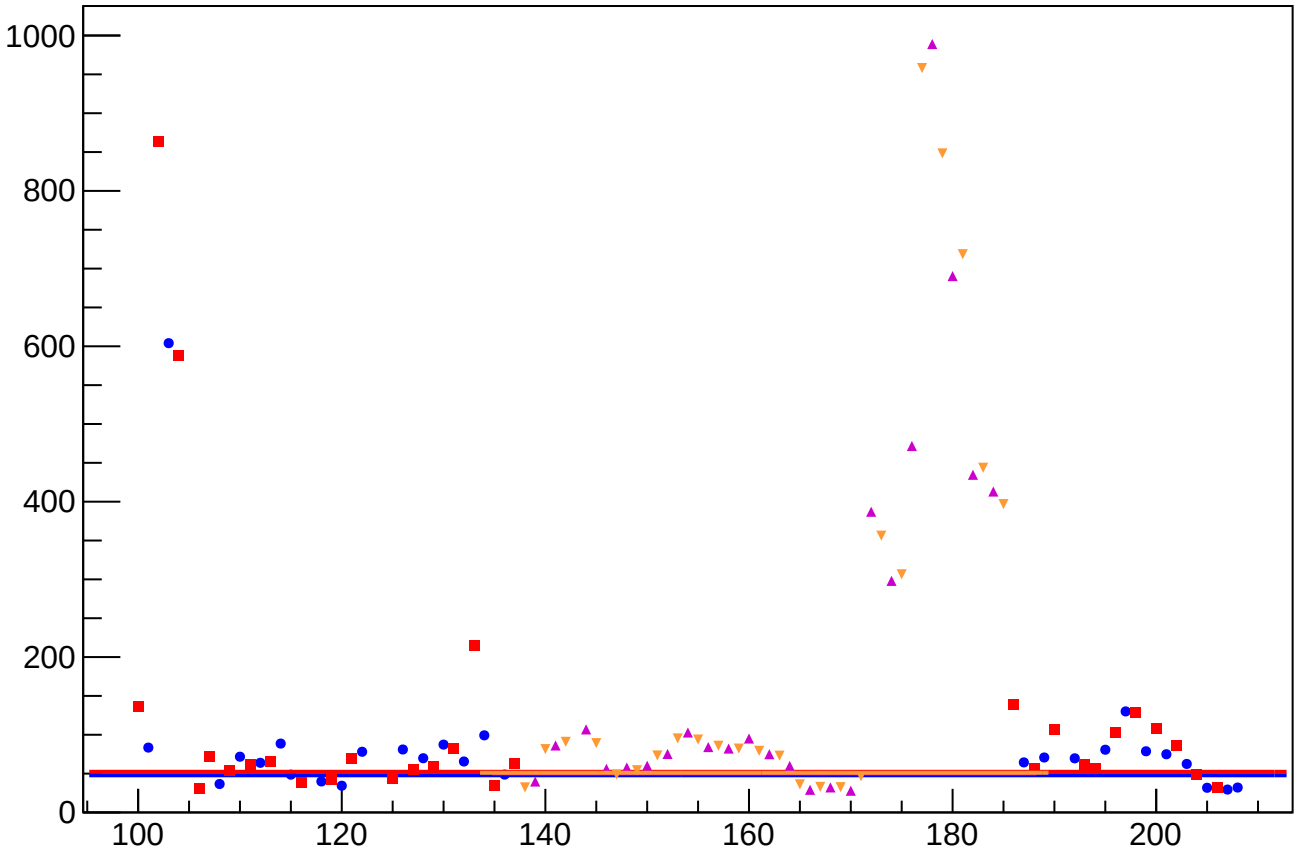
Right Out: -0.015+/-0.016 χ^2/NDF: 25.1/28

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.021+/-0.010 χ^2/NDF: 63.7/50

All: 0.007+/-0.008 χ^2/NDF: 109.1/102

- sign -0.008+/-0.011 χ^2/NDF: 41.6/51



Right In: 47.835+/-0.010 χ^2/NDF: 5242762.6/26

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

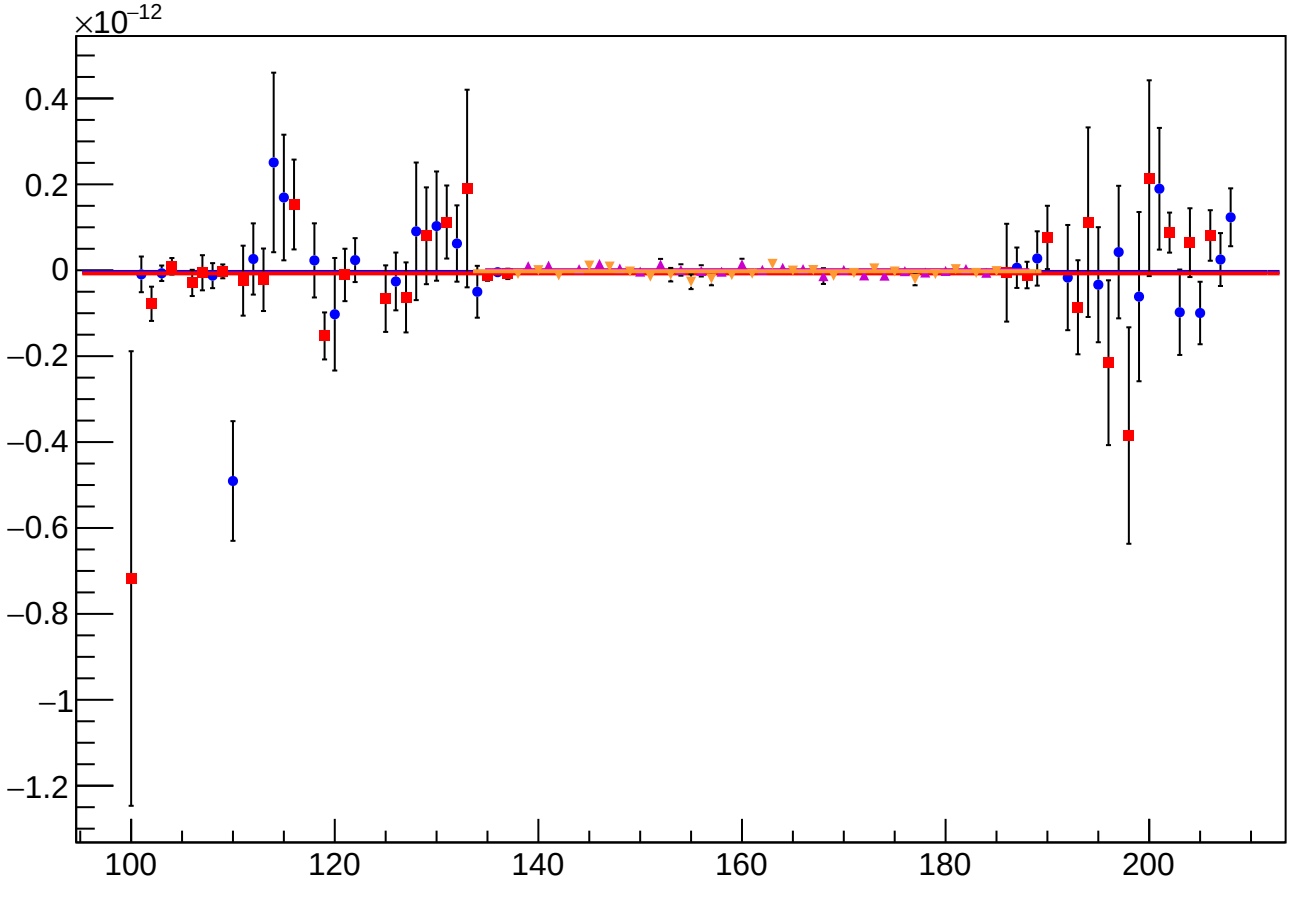
Right Out: 52.335+/-0.011 χ^2/NDF: 5699045.0/28

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 49.321+/-0.007 χ^2/NDF: 17026370.6/50

All: 50.255+/-0.005 χ^2/NDF: 34972488.6/102

- sign 51.269+/-0.008 χ^2/NDF: 17912940.3/51



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

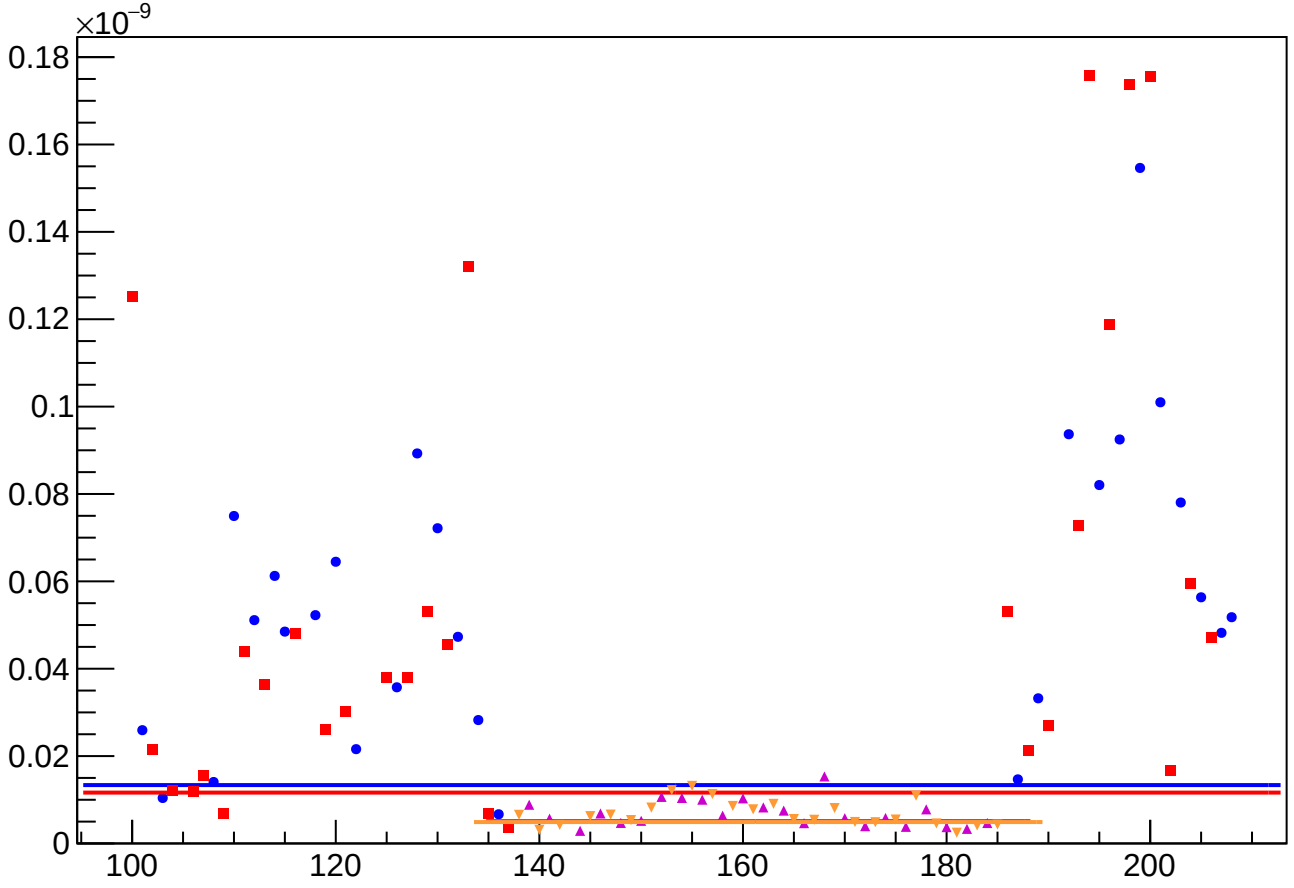
Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/28

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.7/50

All: -0.000+/-0.000 χ^2/NDF: 104.4/102

- sign -0.000+/-0.000 χ^2/NDF: 53.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 11616982.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10493894.0/28

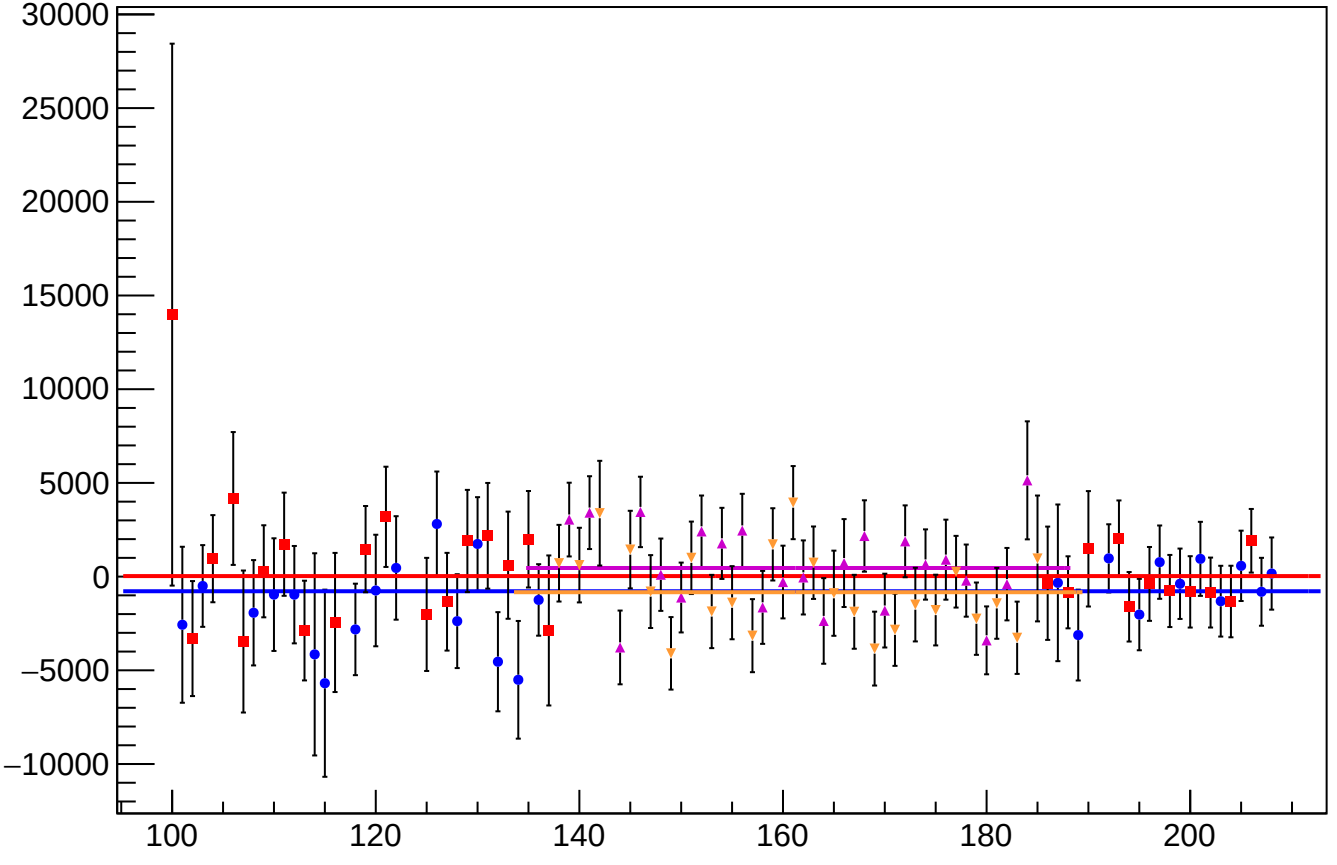
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 19074018.1/50

All: 0.000+/-0.000 χ^2/NDF: 35477528.5/102

- sign 0.000+/-0.000 χ^2/NDF: 16388899.4/51

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -780.948+/-454.026 χ^2/NDF: 14.6/26

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 28.047+/-453.273 χ^2/NDF: 15.8/28

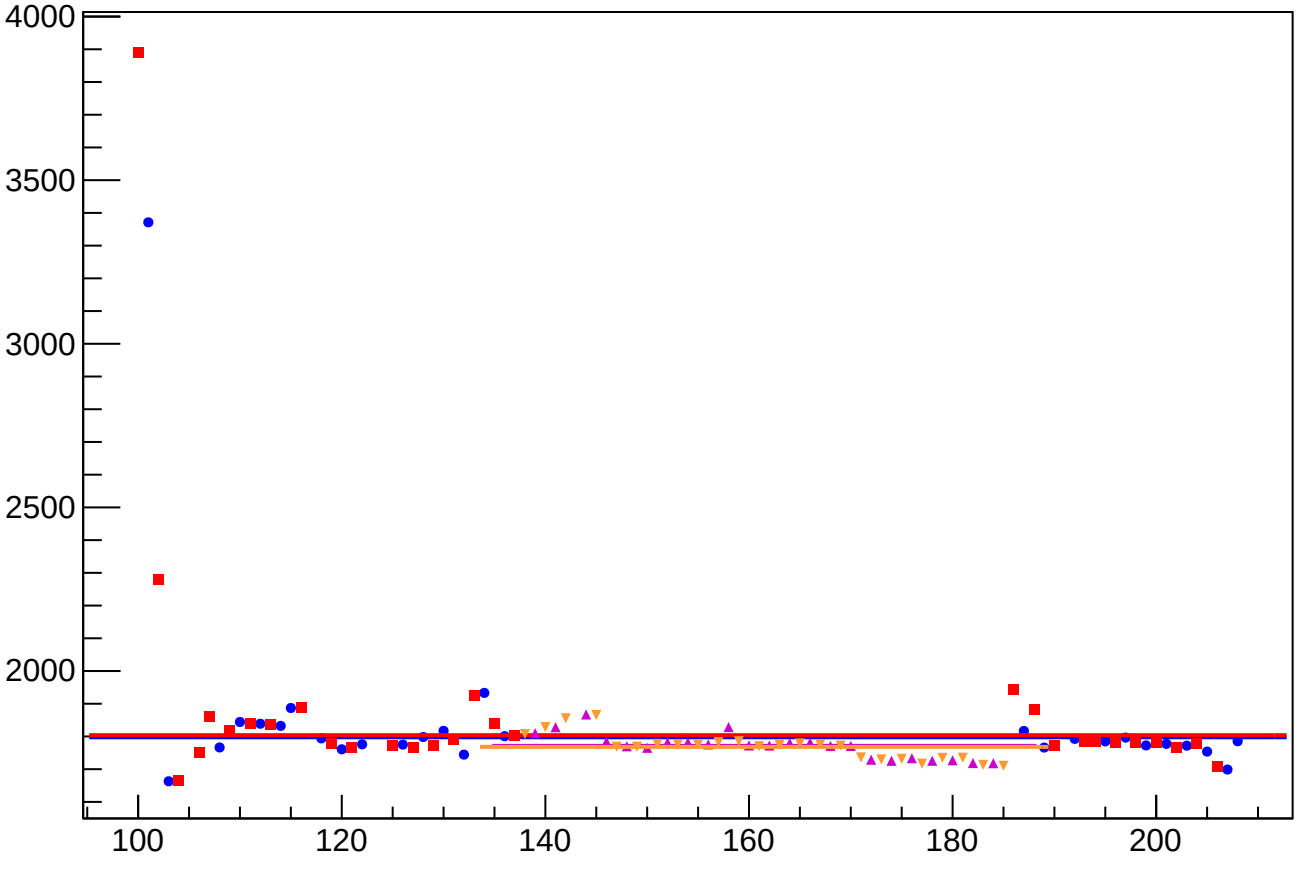
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -809.362+/-304.474 χ^2/NDF: 40.1/50

All: -274.799+/-215.671 χ^2/NDF: 89.8/102

- sign 263.510+/-305.539 χ^2/NDF: 43.6/51

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1797.545+/-0.321 χ^2/NDF: 309218.7/26

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

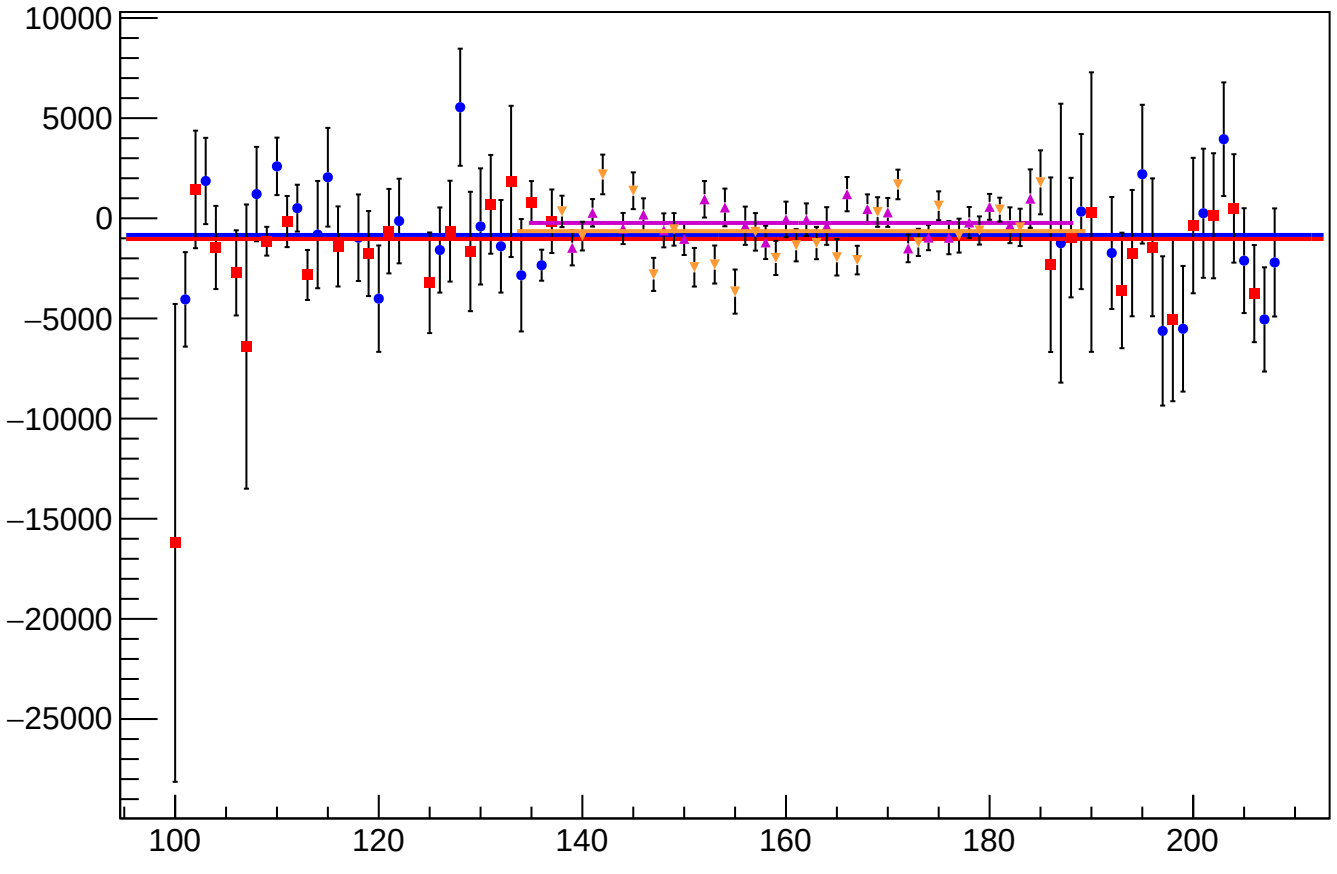
Right Out: 1803.968+/-0.321 χ^2/NDF: 121890.6/28

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.356+/-0.215 χ^2/NDF: 330198.0/50

All: 1783.719+/-0.153 χ^2/NDF: 474453.1/102

- sign 1786.099+/-0.216 χ^2/NDF: 144013.3/51



Right In: -830.775+/-400.346 χ^2/NDF: 34.3/26

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

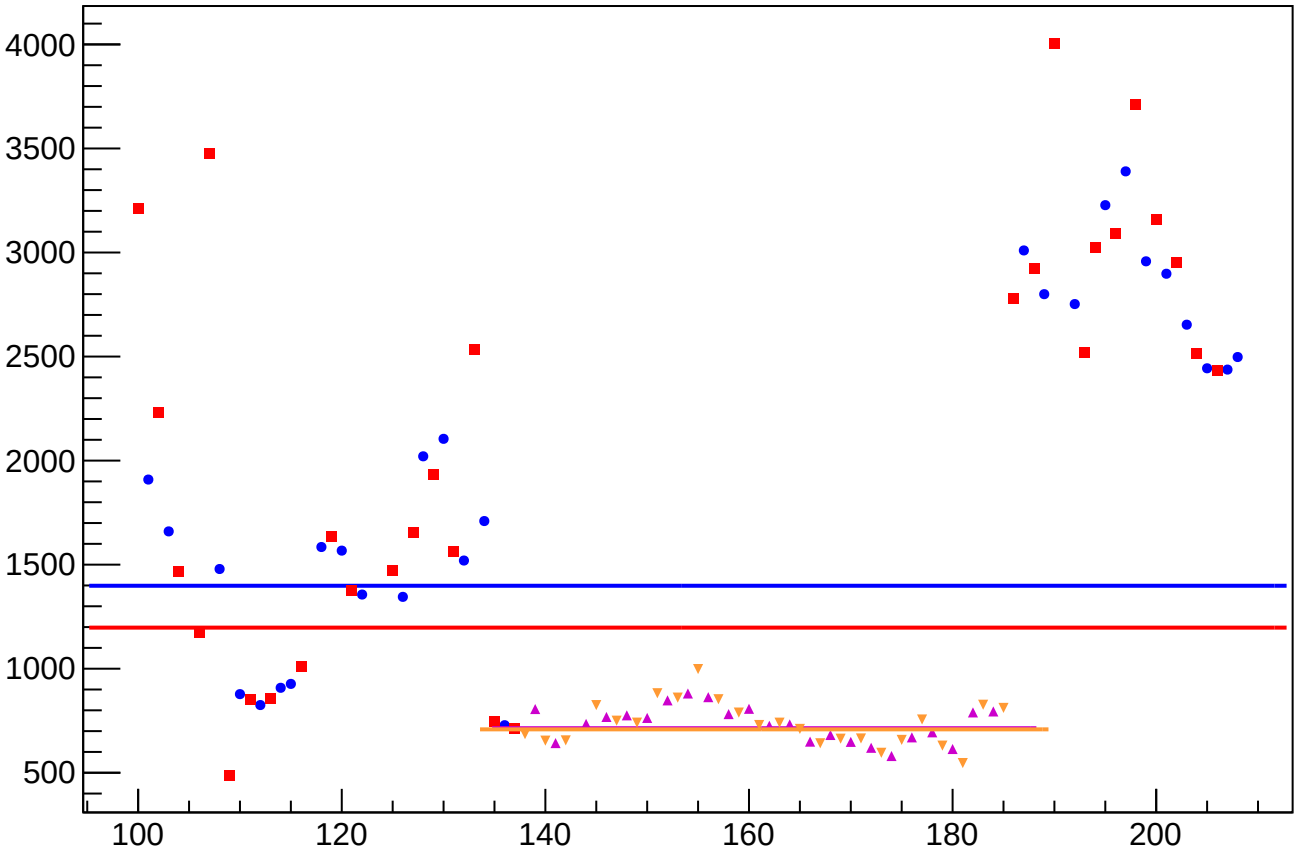
Right Out: -1033.847+/-364.929 χ^2/NDF: 15.4/28

Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -668.994+/-153.695 χ^2/NDF: 101.2/50

All: -519.447+/-108.377 χ^2/NDF: 142.4/102

- sign -371.550+/-152.844 χ^2/NDF: 39.3/51



Right In: 1398.589+/-0.283 χ^2/NDF: 7024552.7/26

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1197.402+/-0.258 χ^2/NDF: 10000176.2/28

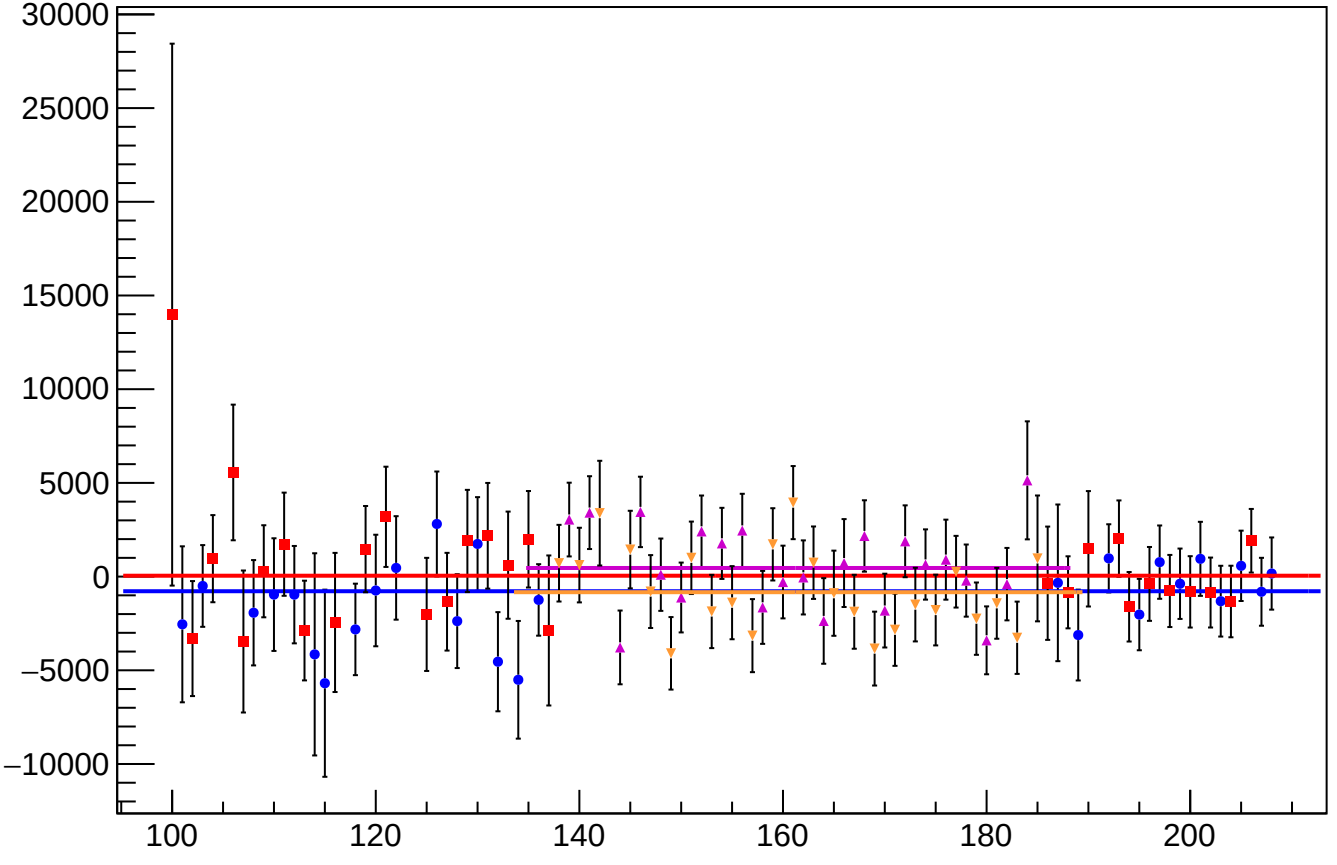
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 810.209+/-0.109 χ^2/NDF: 12791671.0/50

All: 804.540+/-0.077 χ^2/NDF: 26186332.0/10

- sign 798.933+/-0.108 χ^2/NDF: 13389247.9/51

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -780.705+/-454.026 χ^2/NDF: 14.6/26

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 47.036+/-453.425 χ^2/NDF: 16.8/28

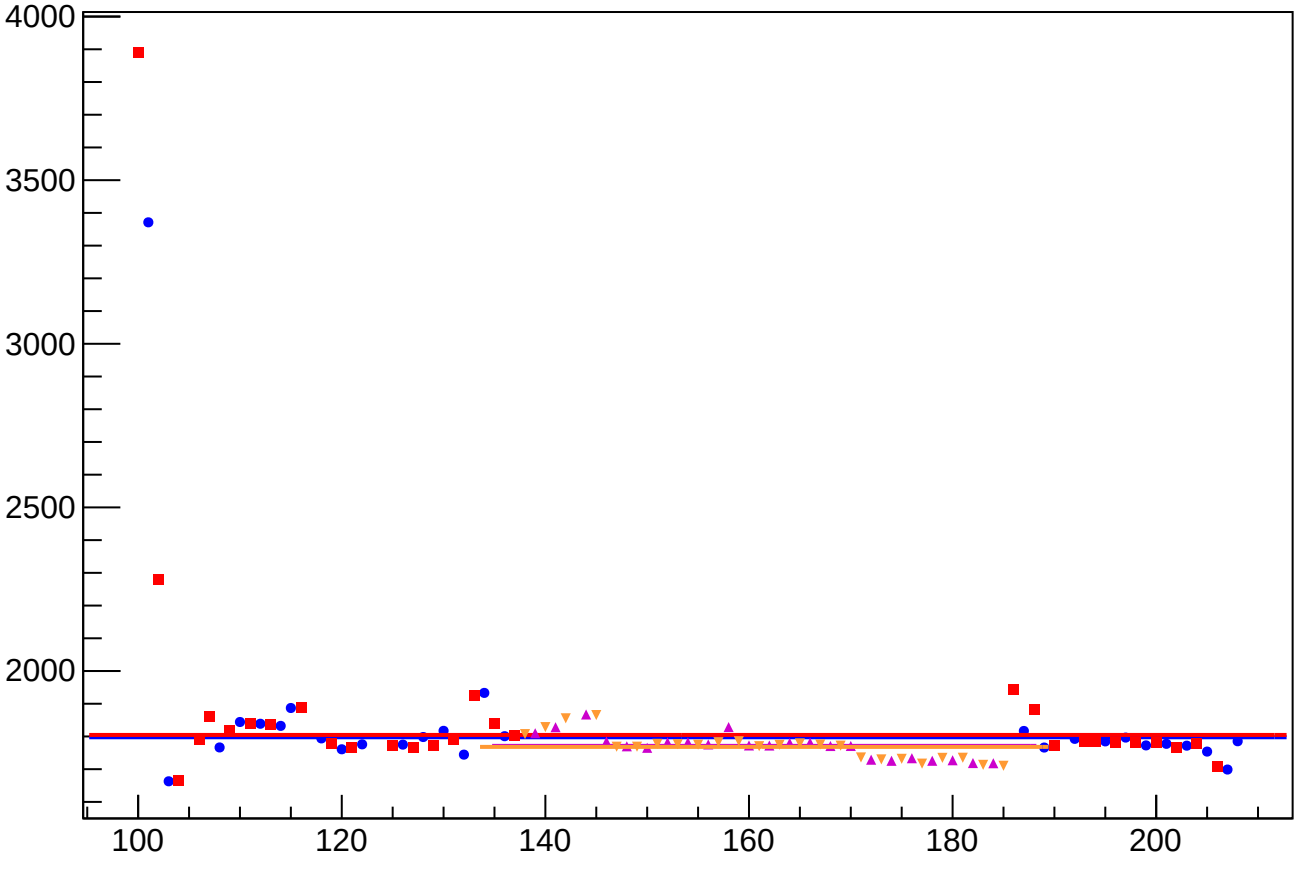
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -809.194+/-304.474 χ^2/NDF: 40.1/50

All: -270.474+/-215.688 χ^2/NDF: 90.8/102

- sign 272.184+/-305.586 χ^2/NDF: 44.5/51

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1797.545+/-0.321 χ^2/NDF: 309220.6/26

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

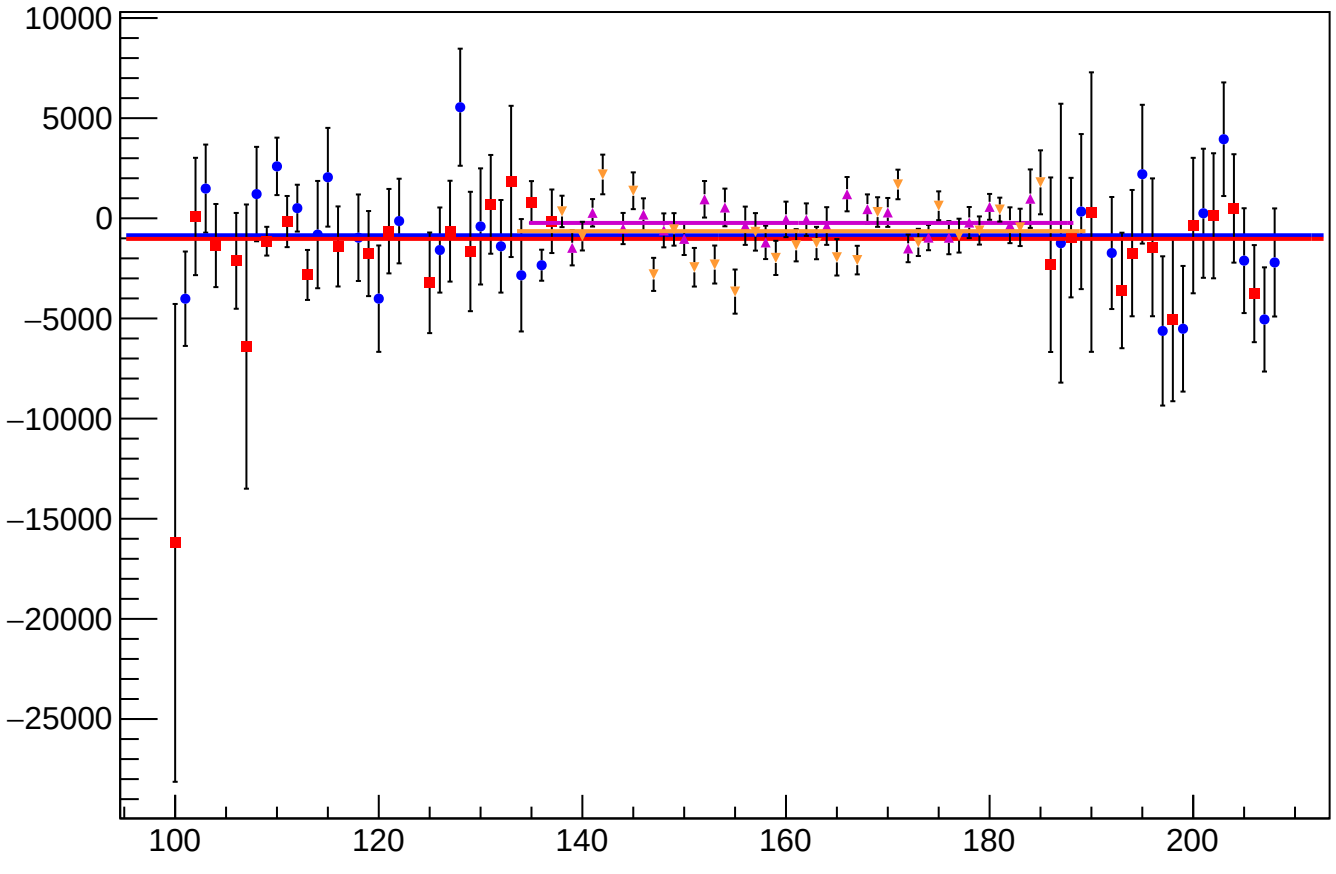
Right Out: 1804.645+/-0.321 χ^2/NDF: 121456.8/28

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.356+/-0.215 χ^2/NDF: 330199.8/50

All: 1783.869+/-0.153 χ^2/NDF: 474288.7/102

- sign 1786.401+/-0.216 χ^2/NDF: 143815.4/51



Right In: -846.289+/-400.621 χ^2/NDF: 33.8/26

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

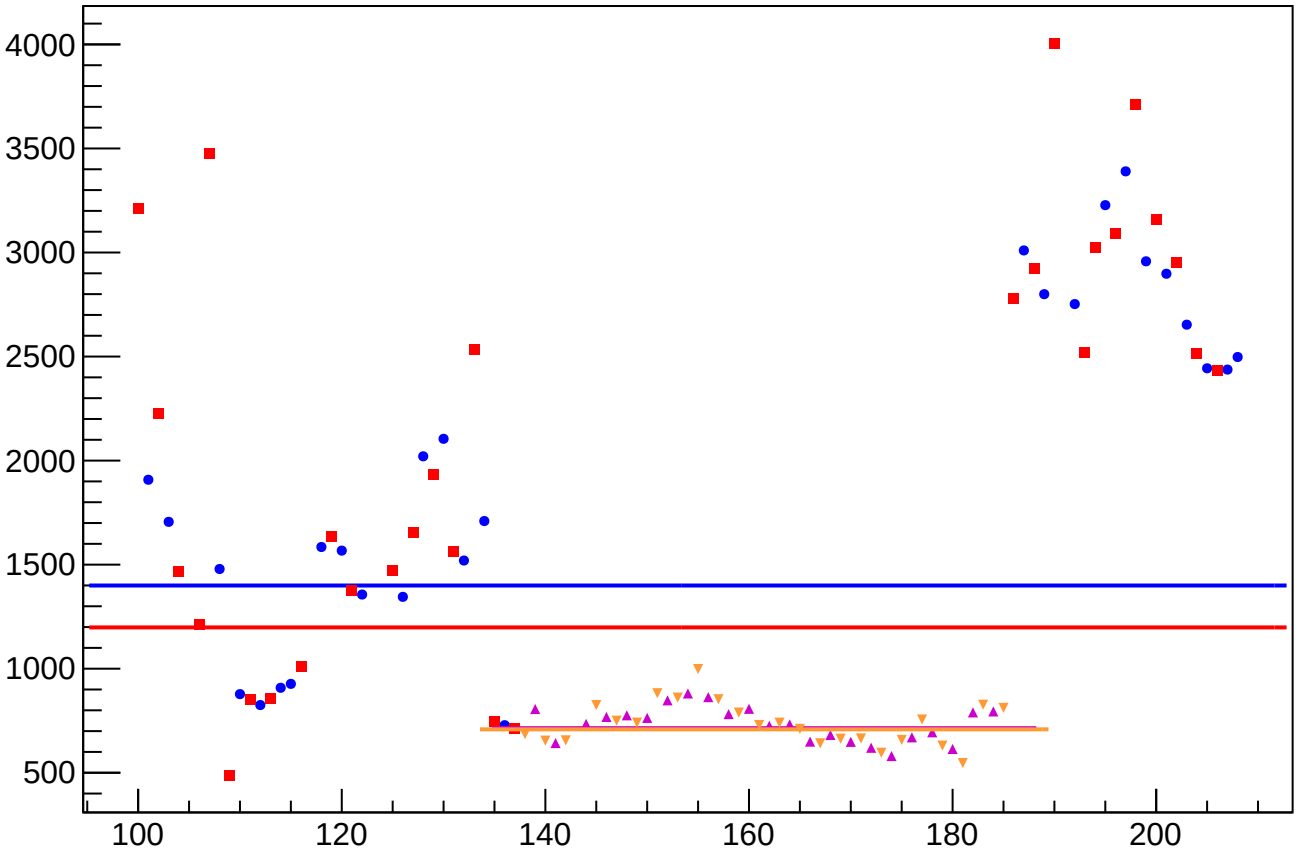
Right Out: -1026.977+/-366.040 χ^2/NDF: 14.4/28

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -671.225+/-153.711 χ^2/NDF: 100.7/50

All: -519.631+/-108.412 χ^2/NDF: 140.9/102

- sign -369.582+/-152.927 χ^2/NDF: 38.2/51



Right In: 1399.748+/-0.283 χ^2/NDF: 7033819.6/26

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1198.411+/-0.259 χ^2/NDF: 9998909.4/28

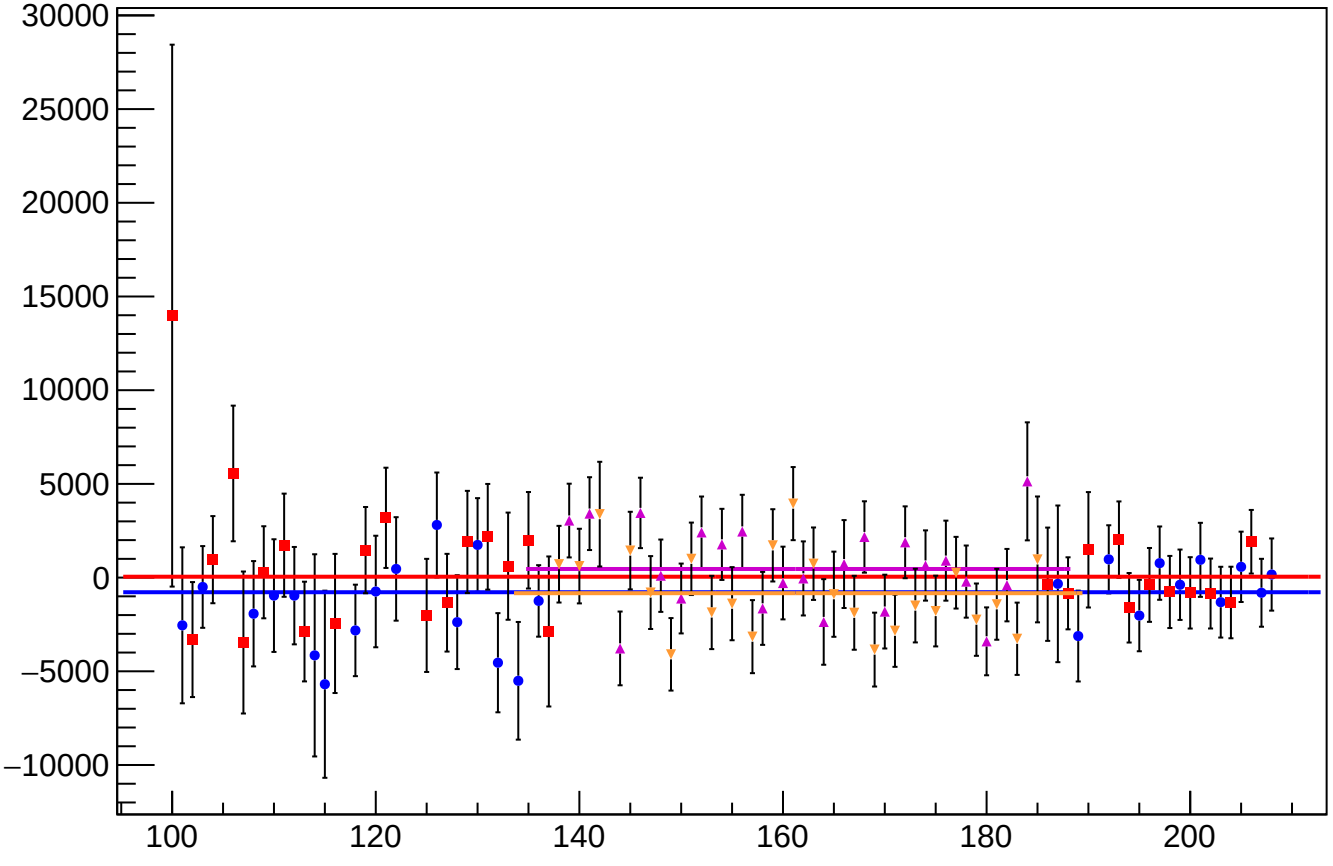
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 810.267+/-0.109 χ^2/NDF: 12811908.4/50

All: 804.449+/-0.077 χ^2/NDF: 26203080.0/10

- sign 798.691+/-0.108 χ^2/NDF: 13385470.6/51

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -780.705+/-454.026 χ^2/NDF: 14.6/26

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 47.036+/-453.425 χ^2/NDF: 16.8/28

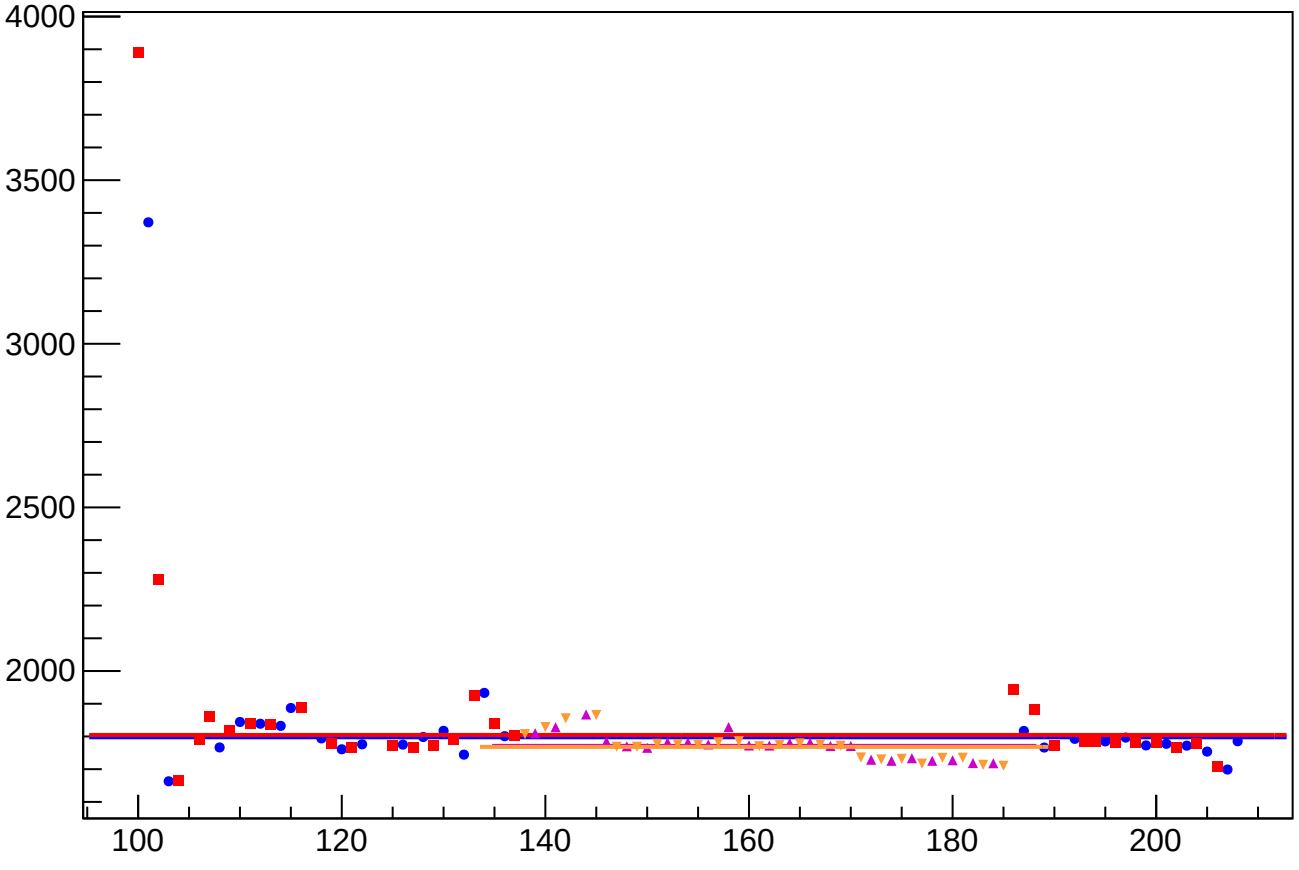
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -809.194+/-304.474 χ^2/NDF: 40.1/50

All: -270.474+/-215.688 χ^2/NDF: 90.8/102

- sign 272.184+/-305.586 χ^2/NDF: 44.5/51

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1797.545+/-0.321 χ^2/NDF: 309220.6/26

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

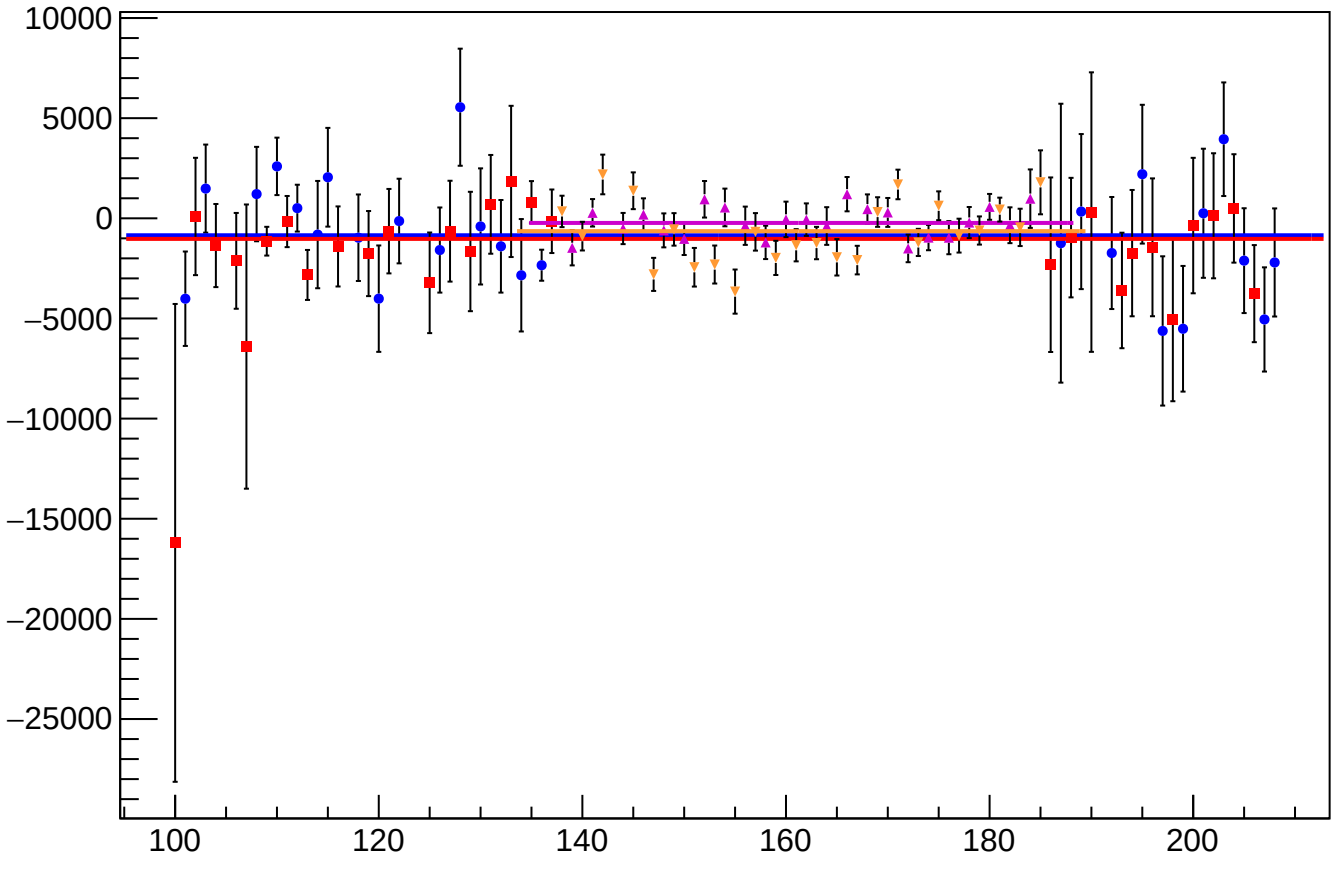
Right Out: 1804.645+/-0.321 χ^2/NDF: 121456.8/28

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.356+/-0.215 χ^2/NDF: 330199.8/50

All: 1783.869+/-0.153 χ^2/NDF: 474288.7/102

- sign 1786.401+/-0.216 χ^2/NDF: 143815.4/51



Right In: -846.289+/-400.621 χ^2/NDF: 33.8/26

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

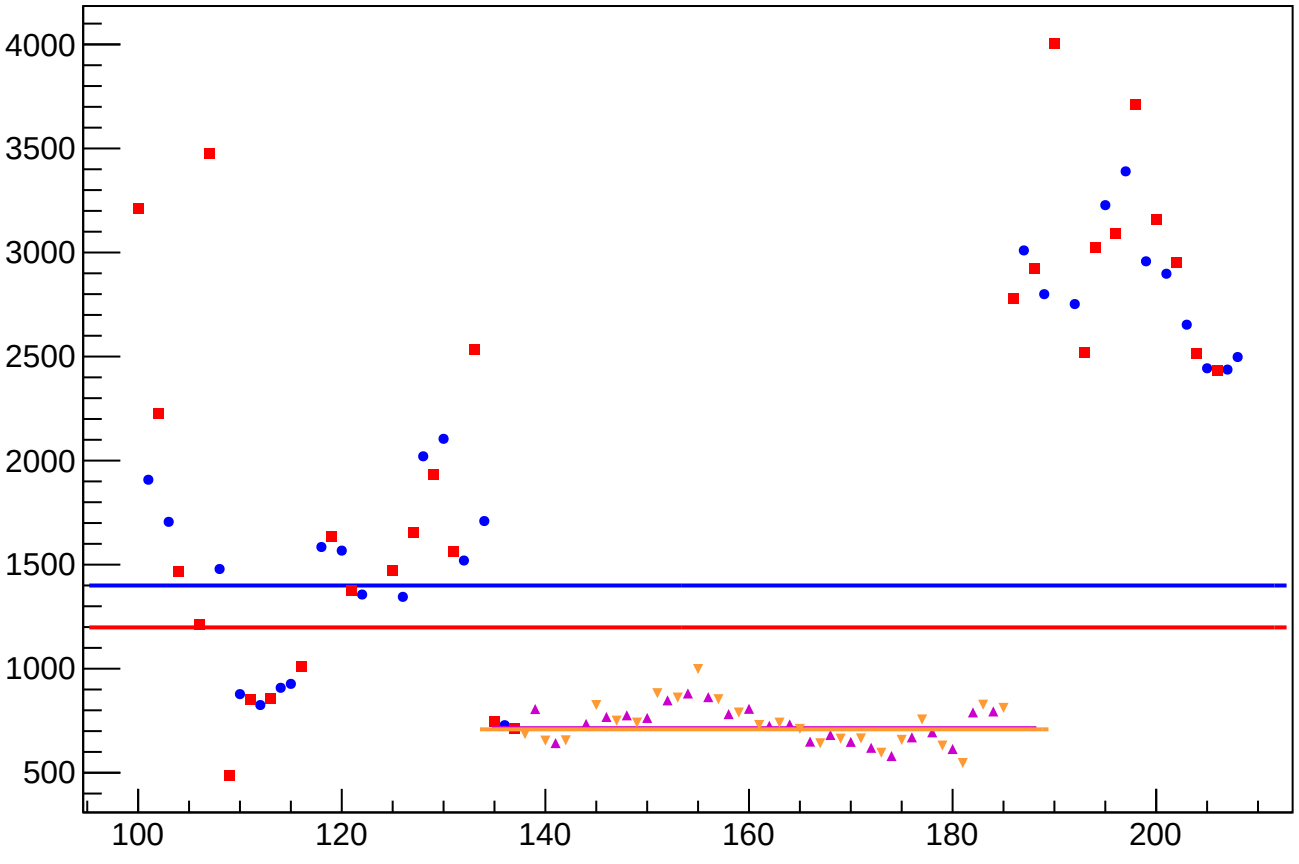
Right Out: -1026.977+/-366.040 χ^2/NDF: 14.4/28

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -671.225+/-153.711 χ^2/NDF: 100.7/50

All: -519.631+/-108.412 χ^2/NDF: 140.9/102

- sign -369.582+/-152.927 χ^2/NDF: 38.2/51



Right In: 1399.748+/-0.283 χ^2/NDF: 7033819.6/26

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1198.411+/-0.259 χ^2/NDF: 9998909.4/28

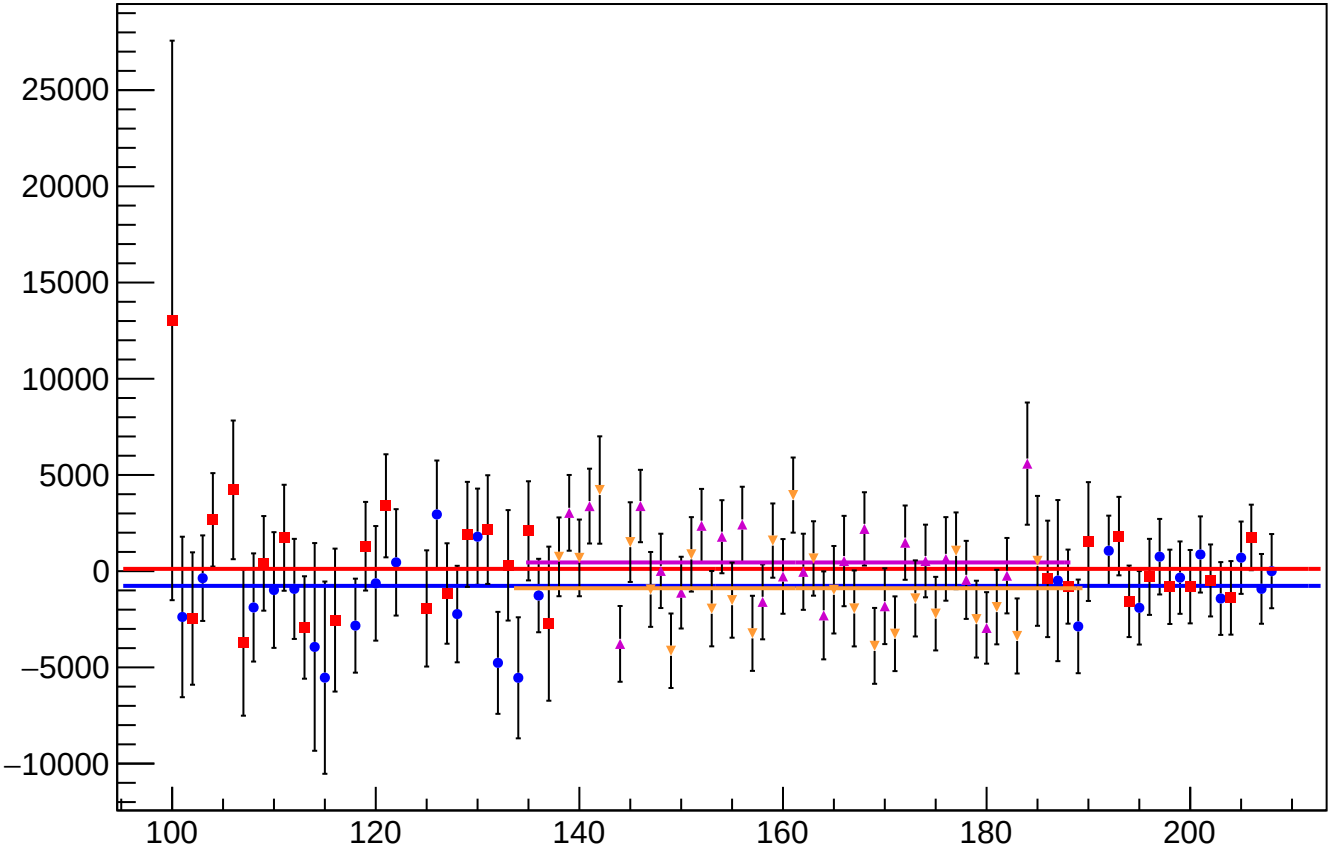
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 810.267+/-0.109 χ^2/NDF: 12811908.4/50

All: 804.449+/-0.077 χ^2/NDF: 26203080.0/10

- sign 798.691+/-0.108 χ^2/NDF: 13385470.6/51

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -763.746+/-455.091 χ^2/NDF: 14.6/26

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 119.496+/-455.859 χ^2/NDF: 15.6/28

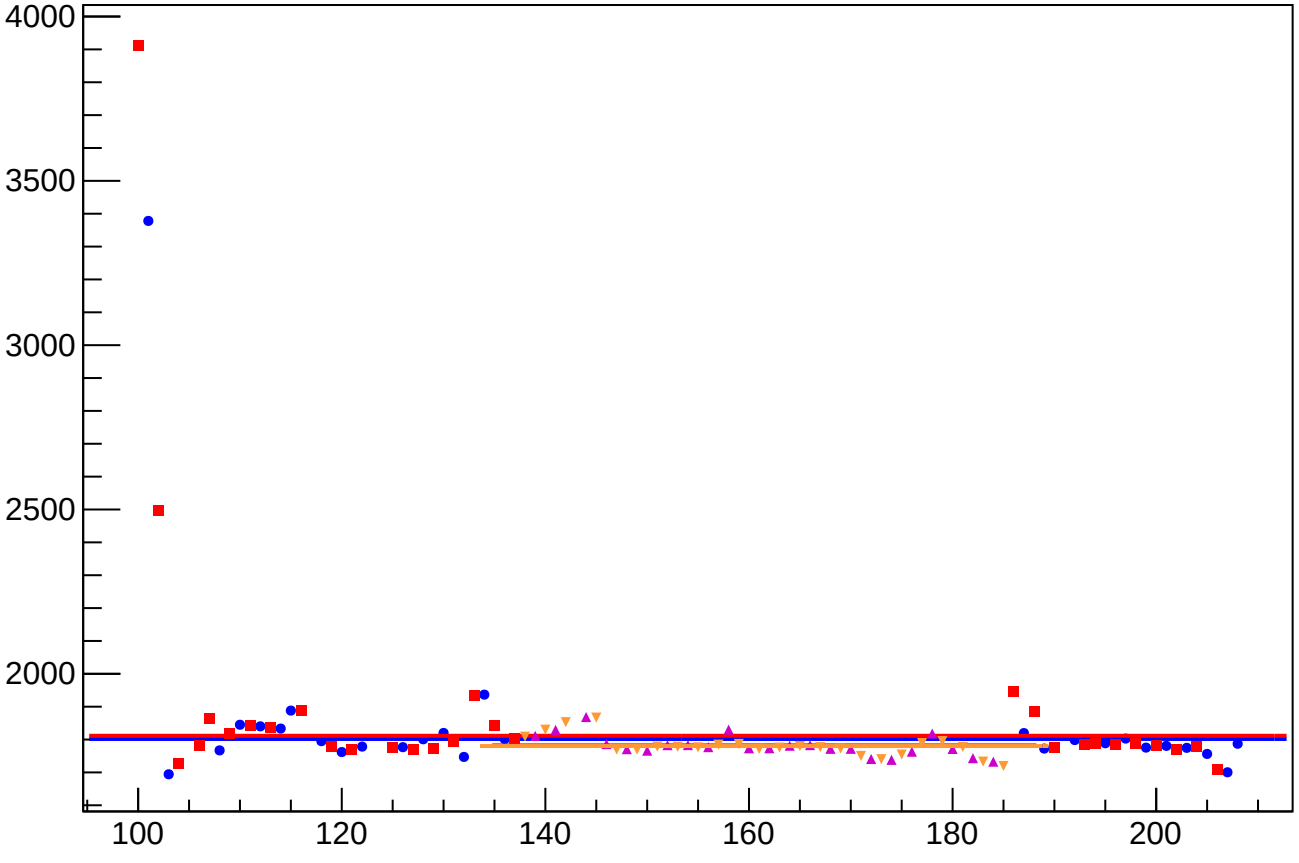
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -830.948+/-305.928 χ^2/NDF: 42.8/50

All: -267.369+/-216.830 χ^2/NDF: 91.4/102

- sign 301.513+/-307.364 χ^2/NDF: 41.7/51

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1801.794+/-0.322 χ^2/NDF: 306515.1/26

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

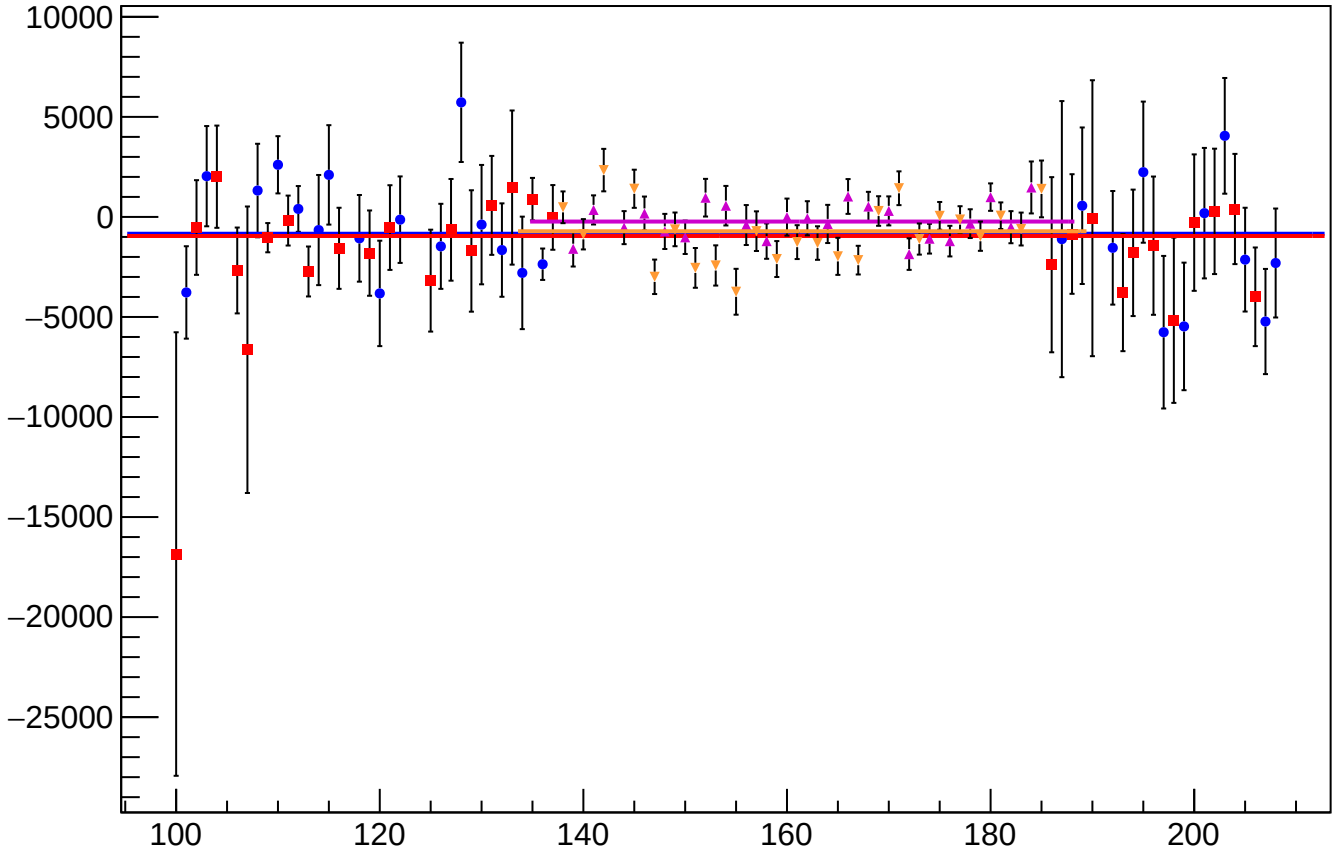
Right Out: 1811.473+/-0.322 χ^2/NDF: 149070.7/28

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1789.969+/-0.216 χ^2/NDF: 319358.6/50

All: 1792.752+/-0.153 χ^2/NDF: 484461.7/102

- sign 1795.562+/-0.217 χ^2/NDF: 164770.5/51



Right In: -840.600+/-403.918 χ^2/NDF: 33.9/26

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

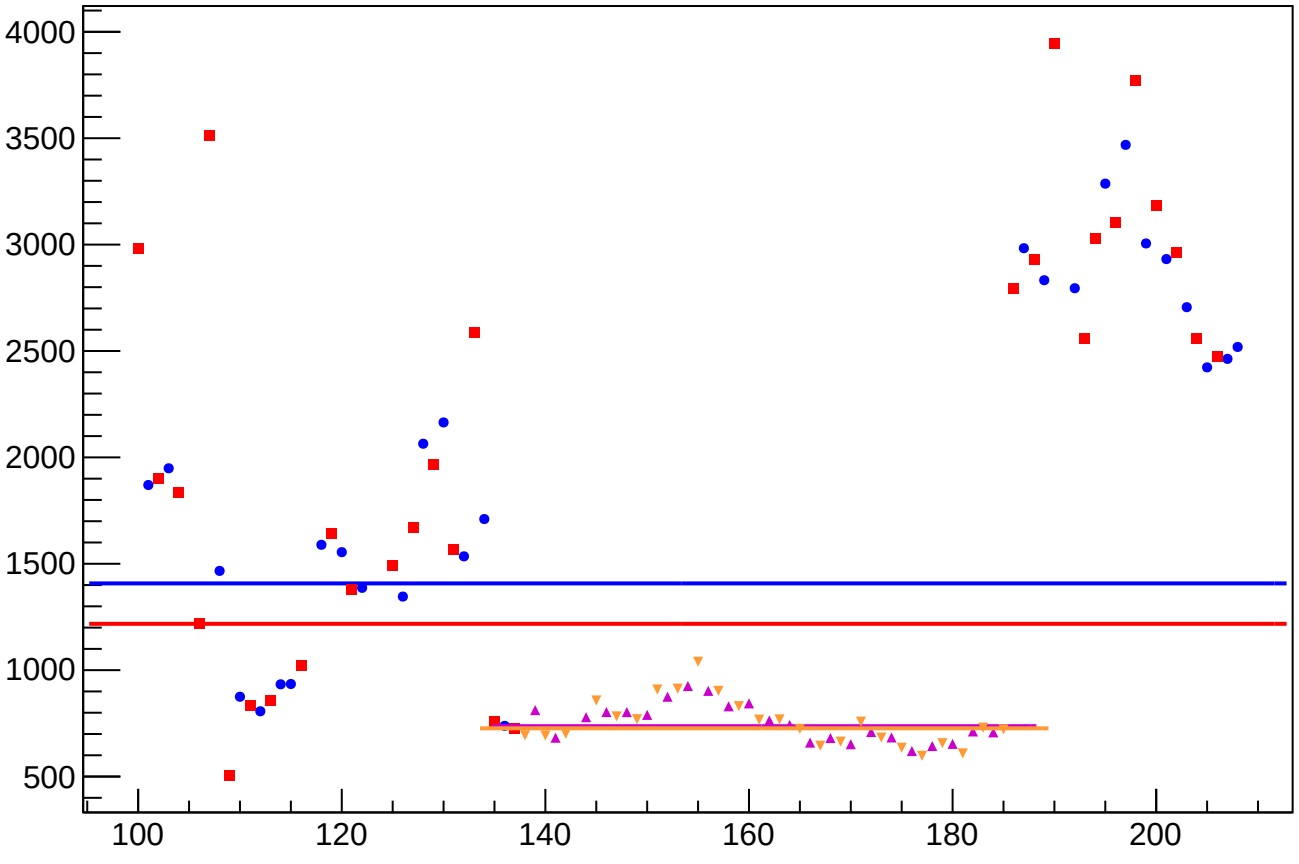
Right Out: -952.211+/-368.415 χ^2/NDF: 16.5/28

Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -735.372+/-157.159 χ^2/NDF: 93.4/50

All: -548.448+/-111.043 χ^2/NDF: 139.9/102

- sign -362.099+/-156.917 χ^2/NDF: 43.7/51



Right In: 1407.720+/-0.286 χ^2/NDF: 7172660.8/26

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1217.791+/-0.261 χ^2/NDF: 9917261.8/28

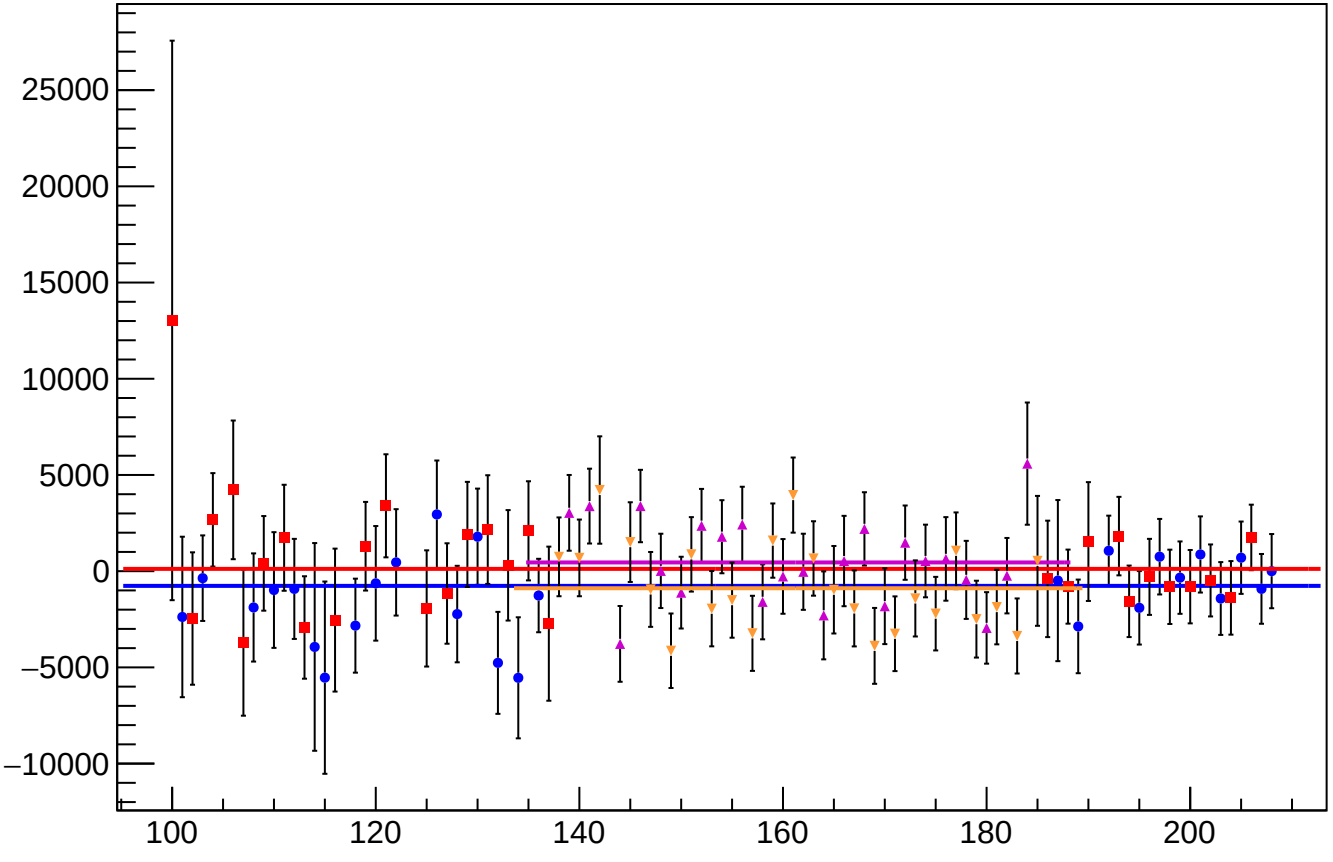
Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 829.718+/-0.111 χ^2/NDF: 12683528.6/50

All: 826.846+/-0.079 χ^2/NDF: 25858795.2/10

- sign 823.984+/-0.111 χ^2/NDF: 13173933.3/51

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -763.747+/-455.091 χ^2/NDF: 14.6/26

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 119.495+/-455.859 χ^2/NDF: 15.6/28

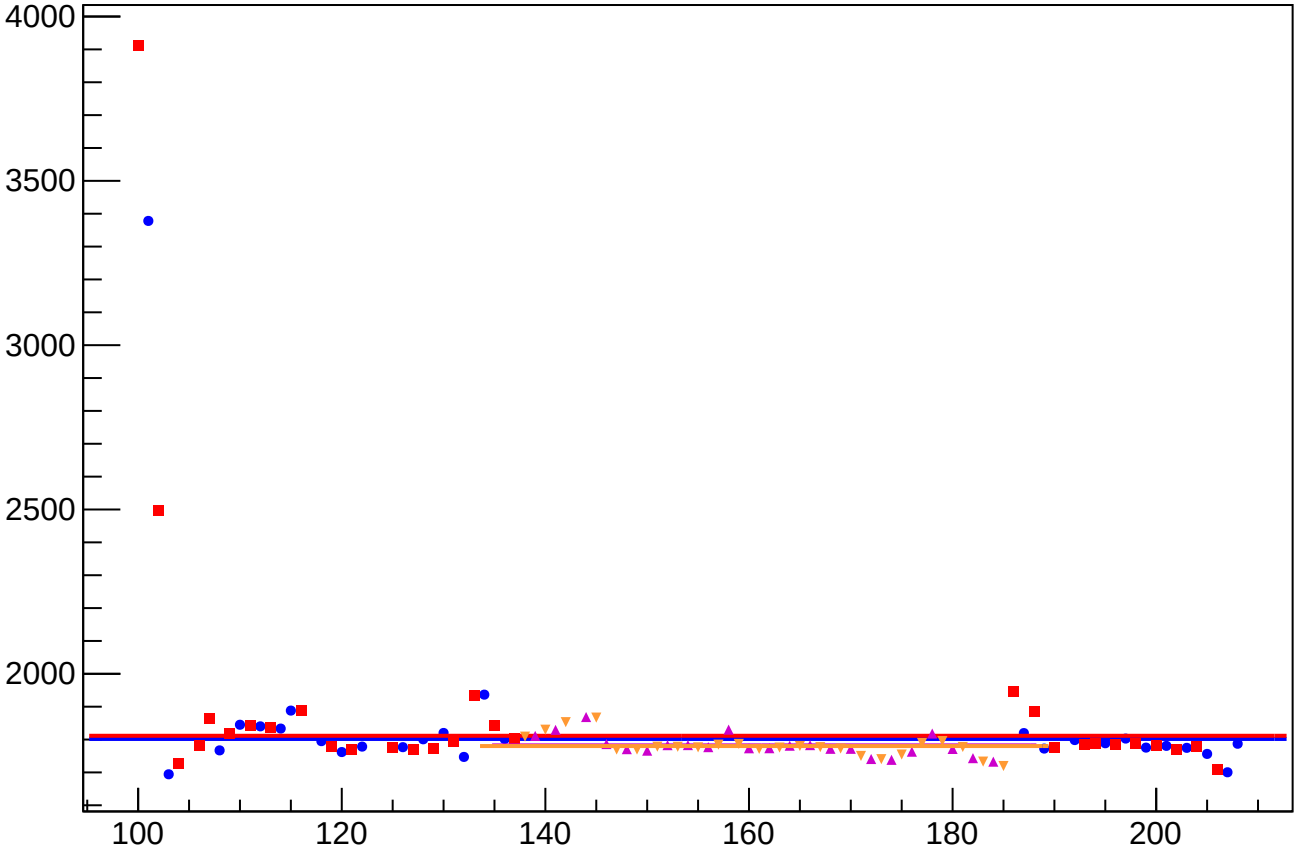
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -830.947+/-305.928 χ^2/NDF: 42.8/50

All: -267.369+/-216.830 χ^2/NDF: 91.4/102

- sign 301.512+/-307.364 χ^2/NDF: 41.7/51

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1801.794+/-0.322 χ^2/NDF: 306515.0/26

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

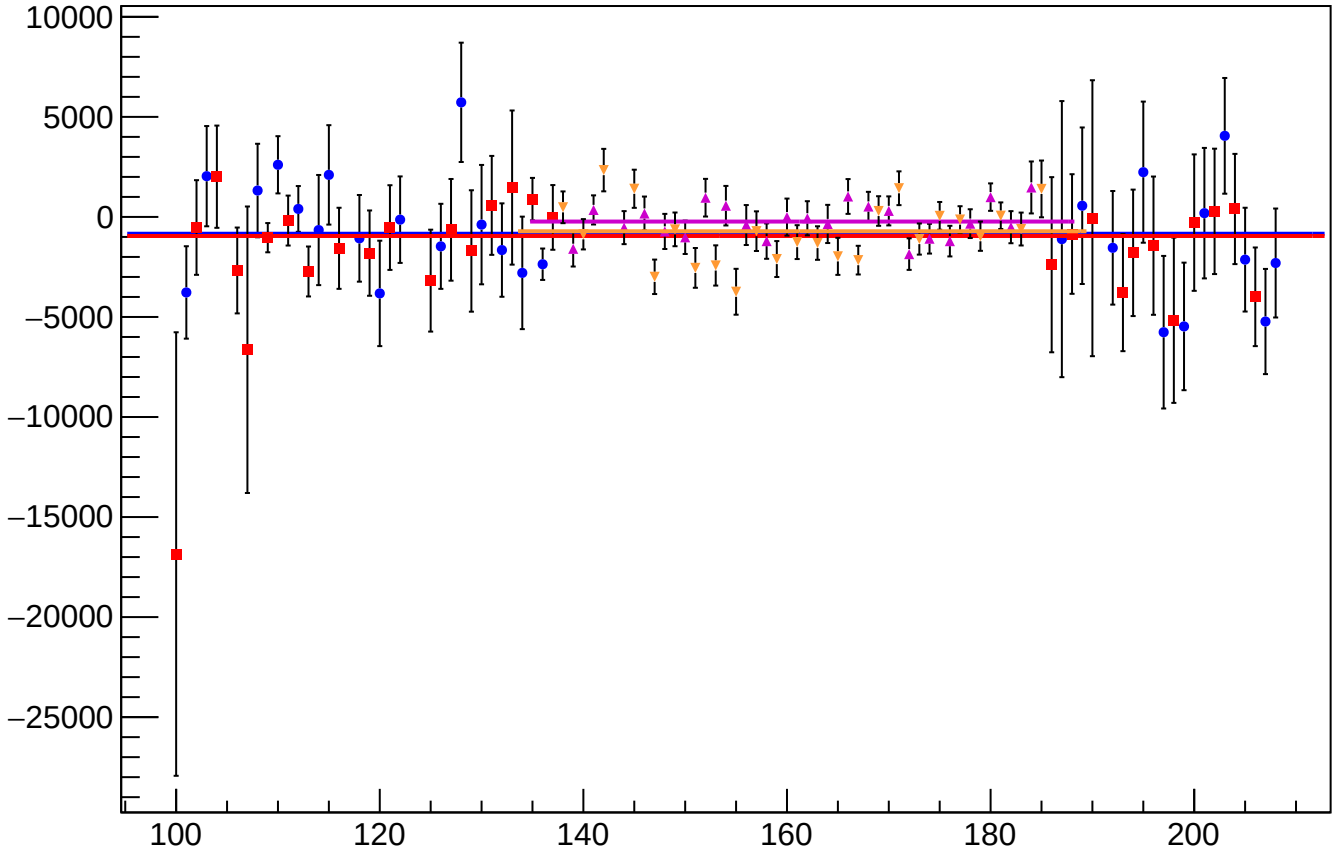
Right Out: 1811.473+/-0.322 χ^2/NDF: 149070.8/28

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1789.969+/-0.216 χ^2/NDF: 319358.6/50

All: 1792.752+/-0.153 χ^2/NDF: 484461.8/102

- sign 1795.561+/-0.217 χ^2/NDF: 164770.7/51



Right In: -840.589+/-403.918 χ^2/NDF: 33.9/26

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

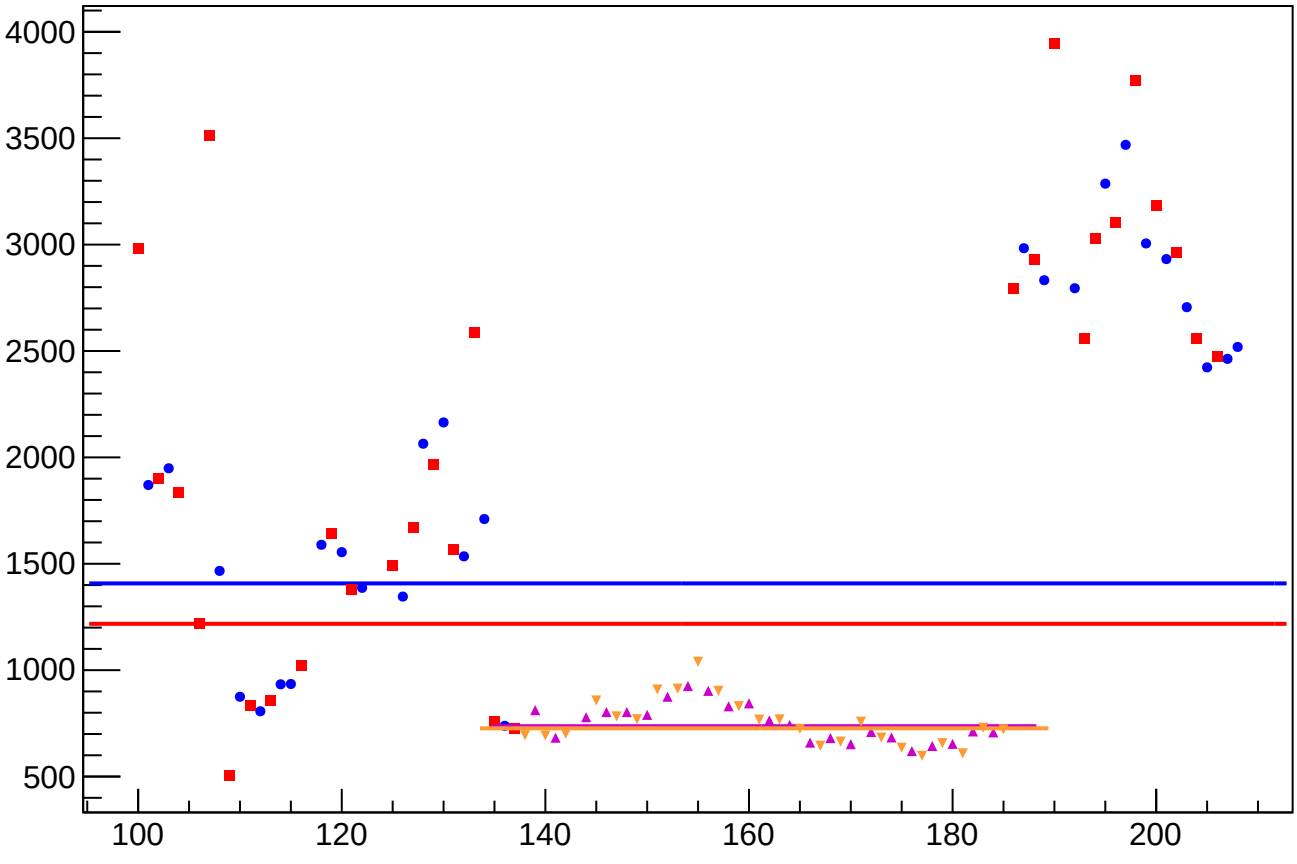
Right Out: -952.217+/-368.415 χ^2/NDF: 16.5/28

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -735.371+/-157.159 χ^2/NDF: 93.4/50

All: -548.447+/-111.043 χ^2/NDF: 139.9/102

- sign -362.098+/-156.917 χ^2/NDF: 43.7/51



Right In: 1407.723+/-0.286 χ^2/NDF: 7172608.8/26

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1217.793+/-0.261 χ^2/NDF: 9917222.0/28

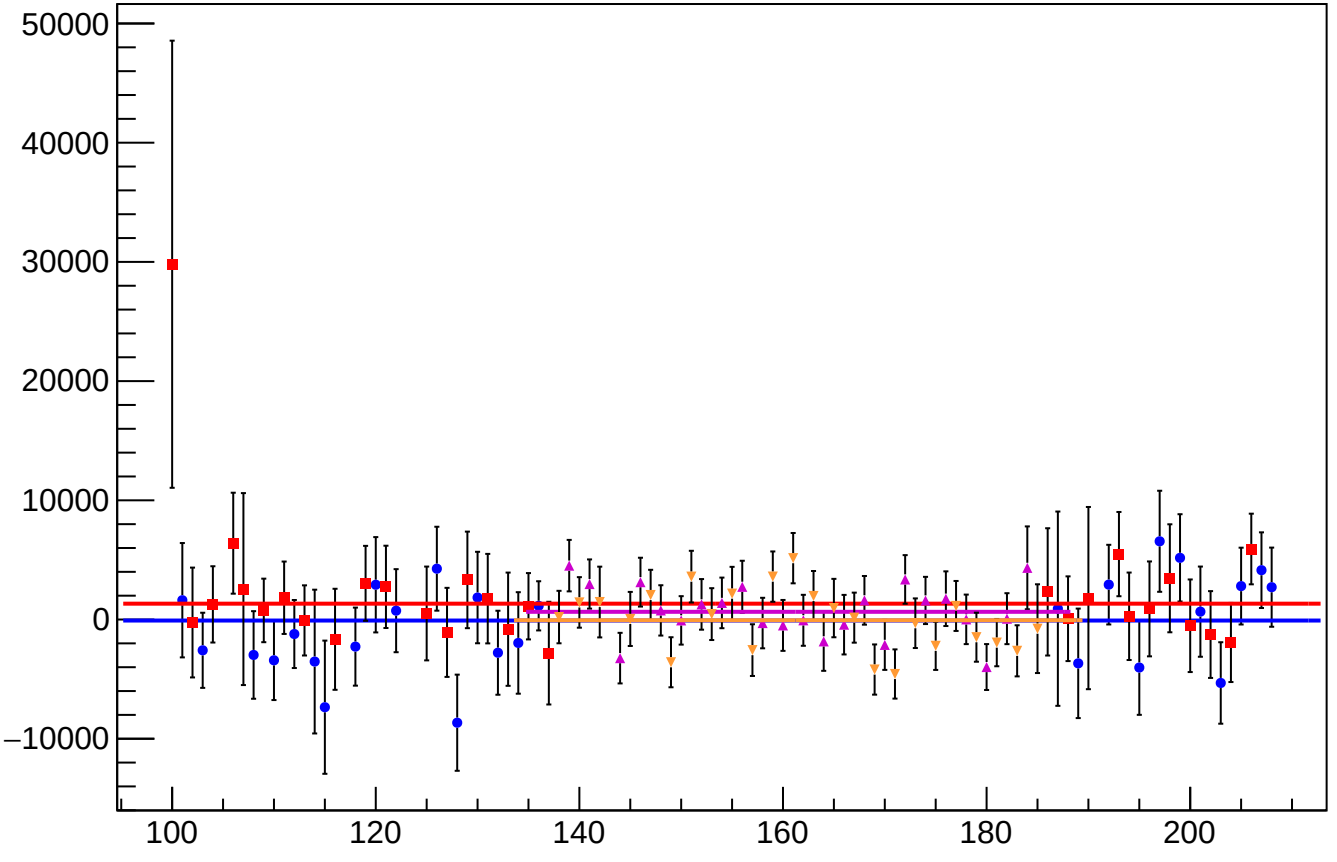
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 829.718+/-0.111 χ^2/NDF: 12683501.5/50

All: 826.846+/-0.079 χ^2/NDF: 25858772.3/10

- sign 823.983+/-0.111 χ^2/NDF: 13173937.2/51

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -84.837+/-690.503 χ^2/NDF: 25.7/26

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1329.898+/-696.058 χ^2/NDF: 12.9/28

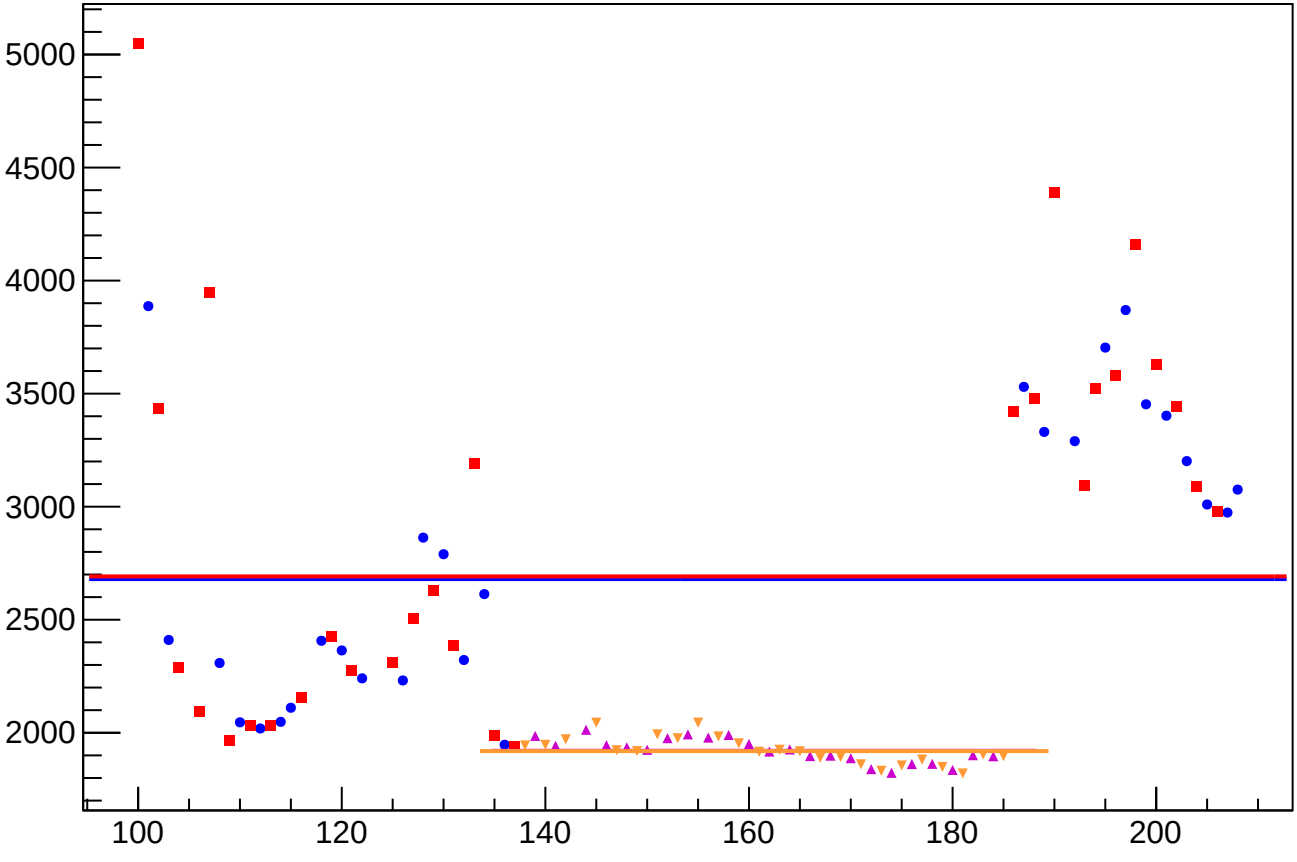
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -67.012+/-374.409 χ^2/NDF: 58.7/50

All: 386.950+/-265.671 χ^2/NDF: 98.9/102

- sign 847.306+/-377.036 χ^2/NDF: 37.3/51

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2679.799+/-0.488 χ^2/NDF: 1448616.1/26

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

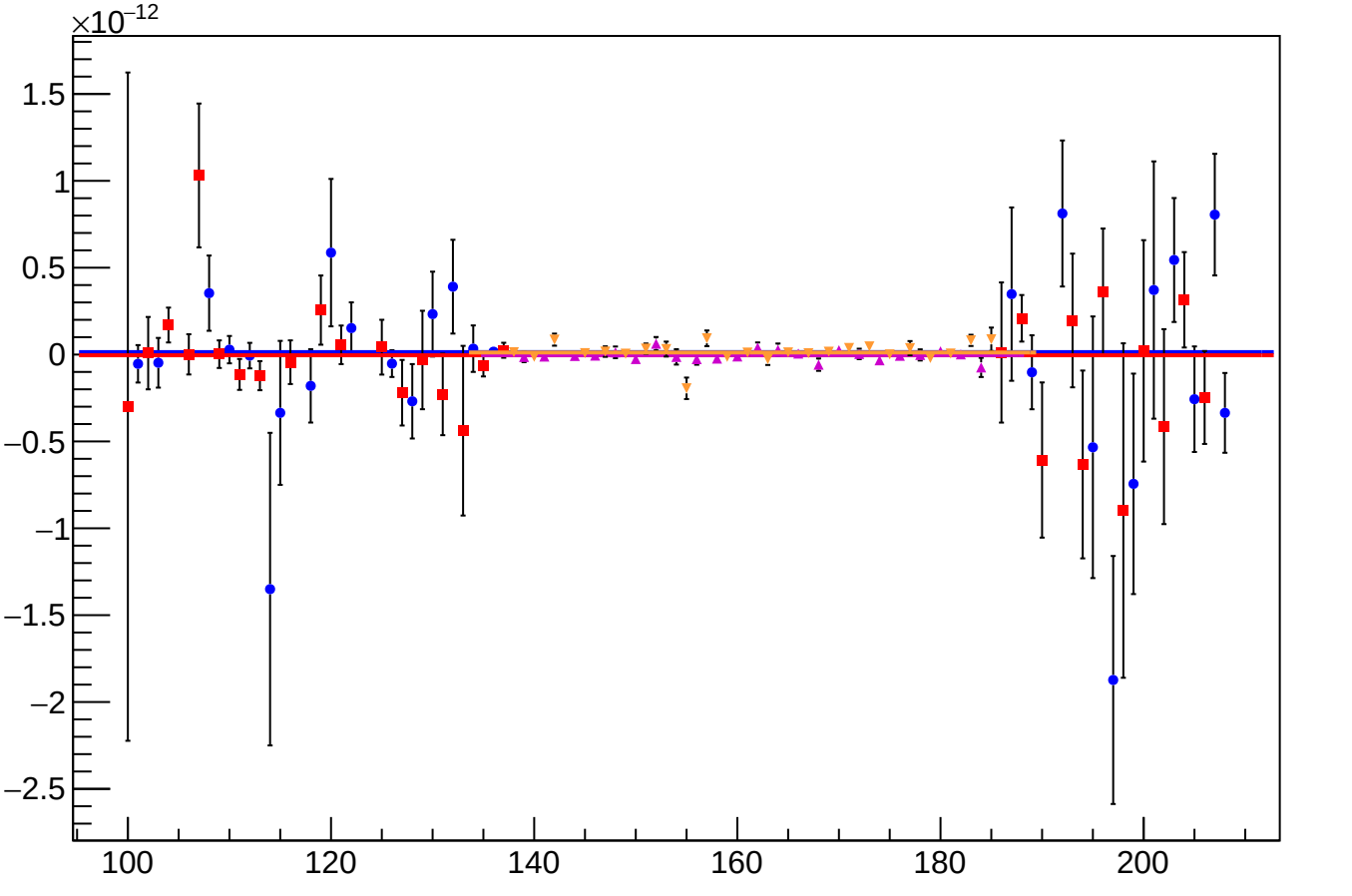
Right Out: 2691.714+/-0.492 χ^2/NDF: 1793359.6/28

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2142.665+/-0.265 χ^2/NDF: 3198412.5/50

All: 2144.610+/-0.188 χ^2/NDF: 6757920.8/10

- sign 2146.582+/-0.267 χ^2/NDF: 3559399.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 38.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

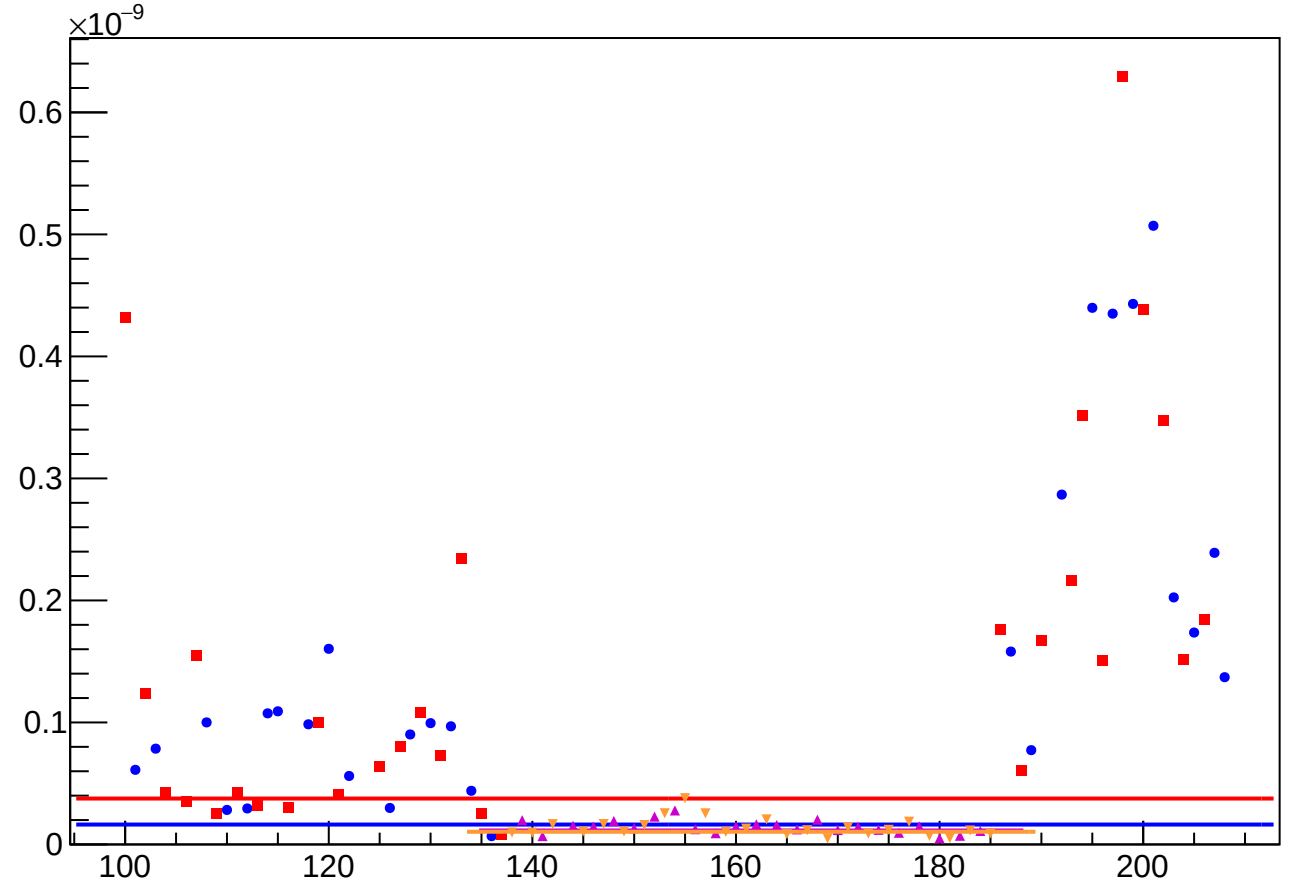
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/28

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.1/50

All: 0.000+/-0.000 χ^2/NDF: 131.9/102

- sign -0.000+/-0.000 χ^2/NDF: 49.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 10197192.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

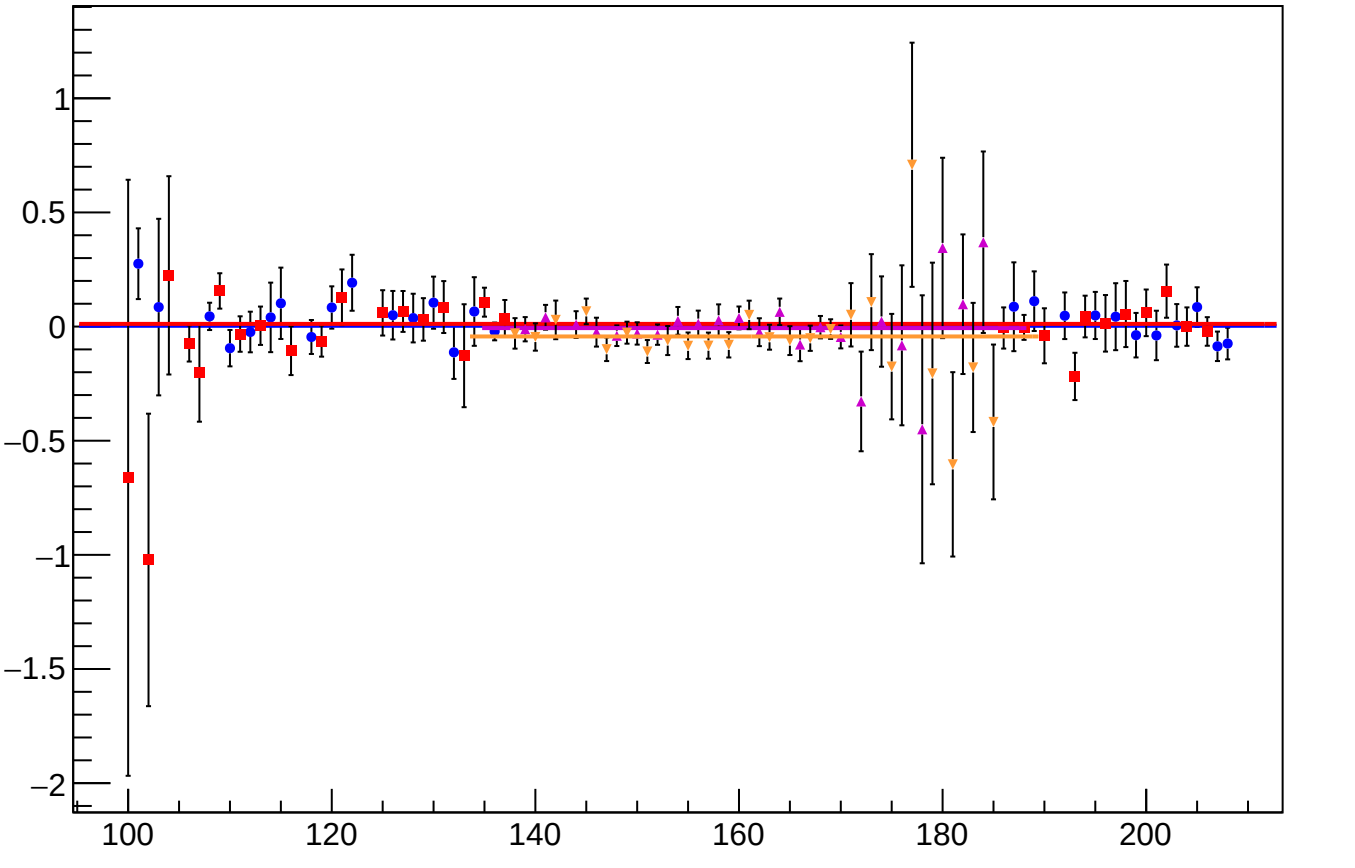
Right Out: 0.000+/-0.000 χ^2/NDF: 7386683.7/28

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12596419.8/50

All: 0.000+/-0.000 χ^2/NDF: 24402581.8/102

- sign 0.000+/-0.000 χ^2/NDF: 11689447.6/51



Right In: 0.003+/-0.017 χ^2/NDF: 17.6/26

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

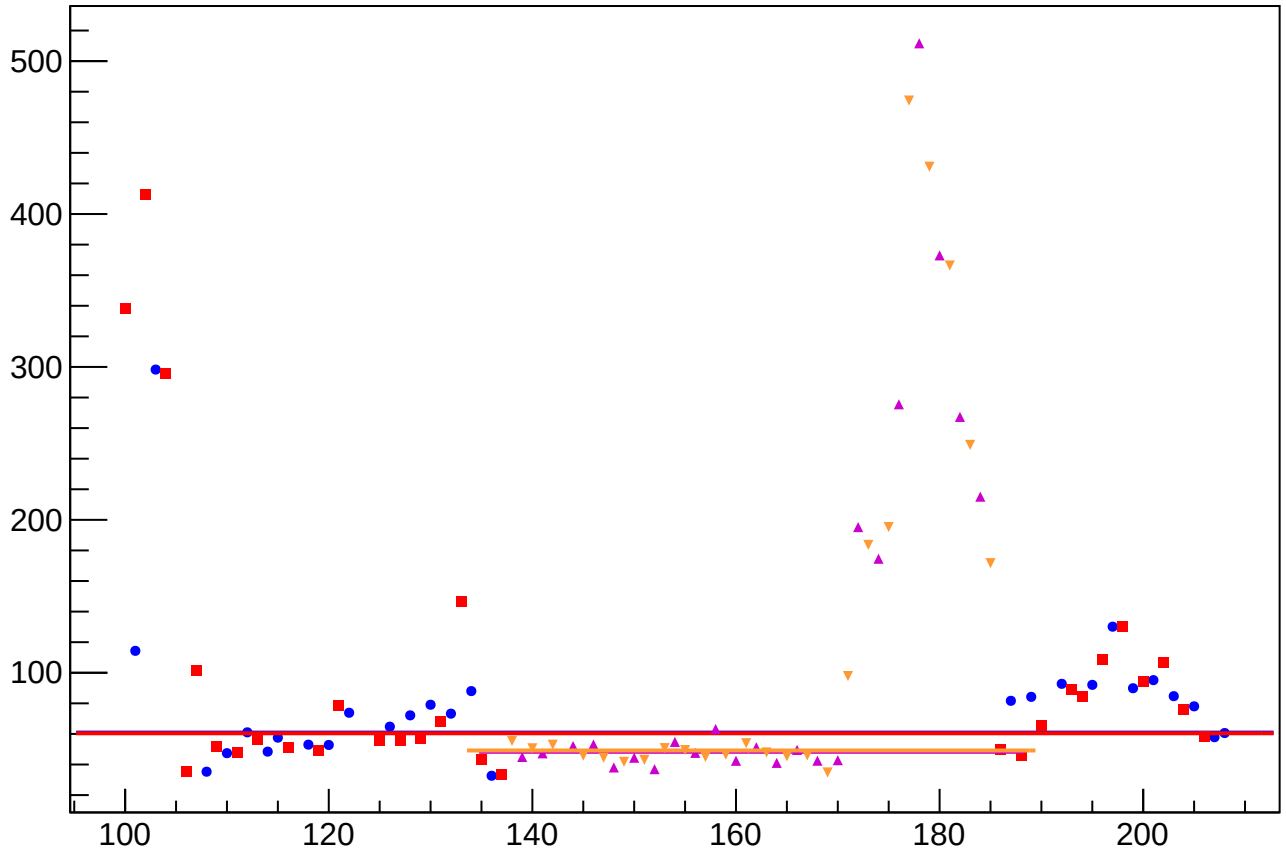
Right Out: 0.012+/-0.017 χ^2/NDF: 23.7/28

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.025+/-0.011 χ^2/NDF: 40.9/50

All: -0.012+/-0.008 χ^2/NDF: 79.3/102

- sign 0.000+/-0.011 χ^2/NDF: 35.7/51



Right In: 60.861+/-0.012 χ^2/NDF: 4205319.8/26

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

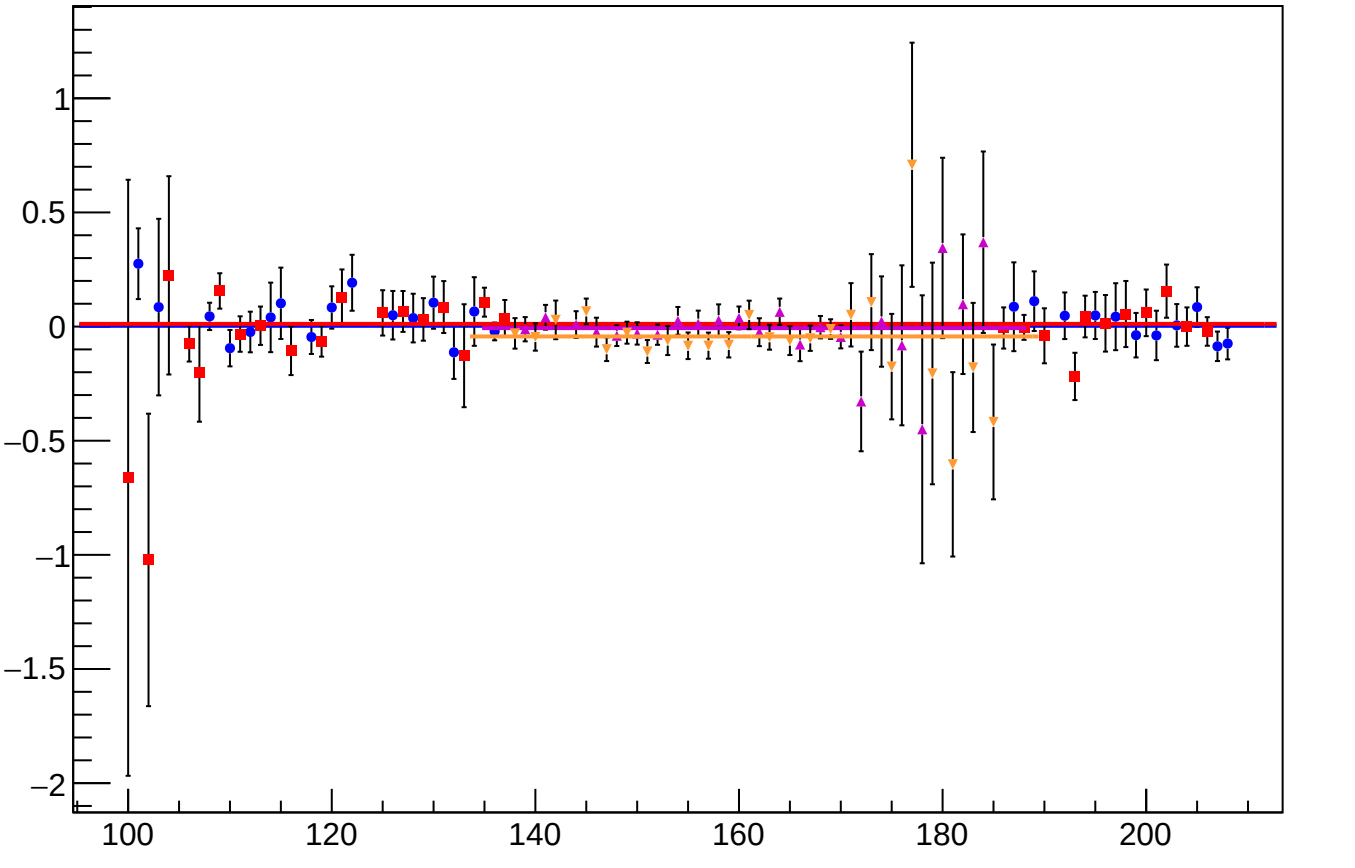
Right Out: 60.429+/-0.012 χ^2/NDF: 4272394.0/28

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 53.728+/-0.008 χ^2/NDF: 12004855.5/50

All: 53.287+/-0.005 χ^2/NDF: 23928211.8/102

- sign 52.861+/-0.008 χ^2/NDF: 11916888.1/51



Right In: 0.003+/-0.017 χ^2/NDF: 17.6/26

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

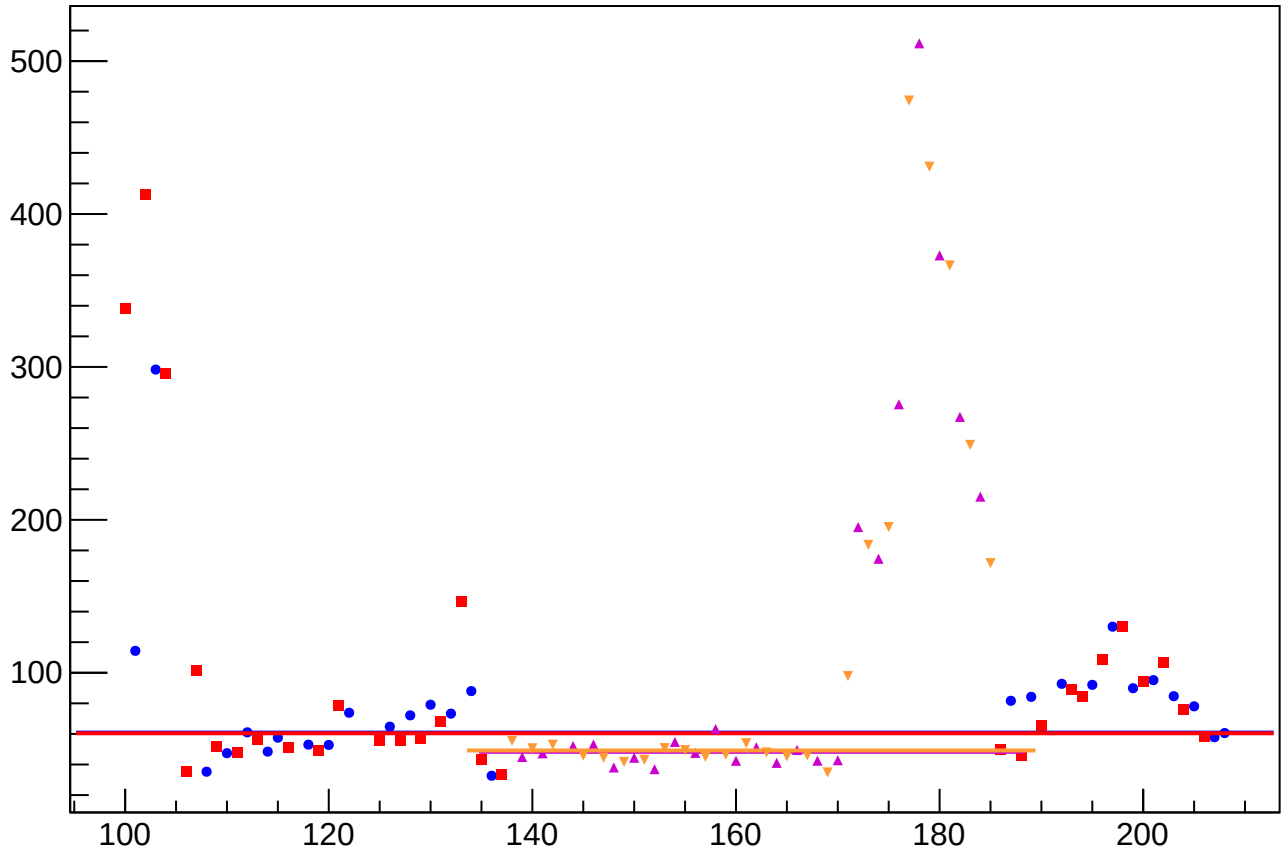
Right Out: 0.012+/-0.017 χ^2/NDF: 23.7/28

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.025+/-0.011 χ^2/NDF: 40.9/50

All: -0.012+/-0.008 χ^2/NDF: 79.3/102

- sign 0.000+/-0.011 χ^2/NDF: 35.7/51



Right In: 60.861+/-0.012 χ^2/NDF: 4205319.8/26

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

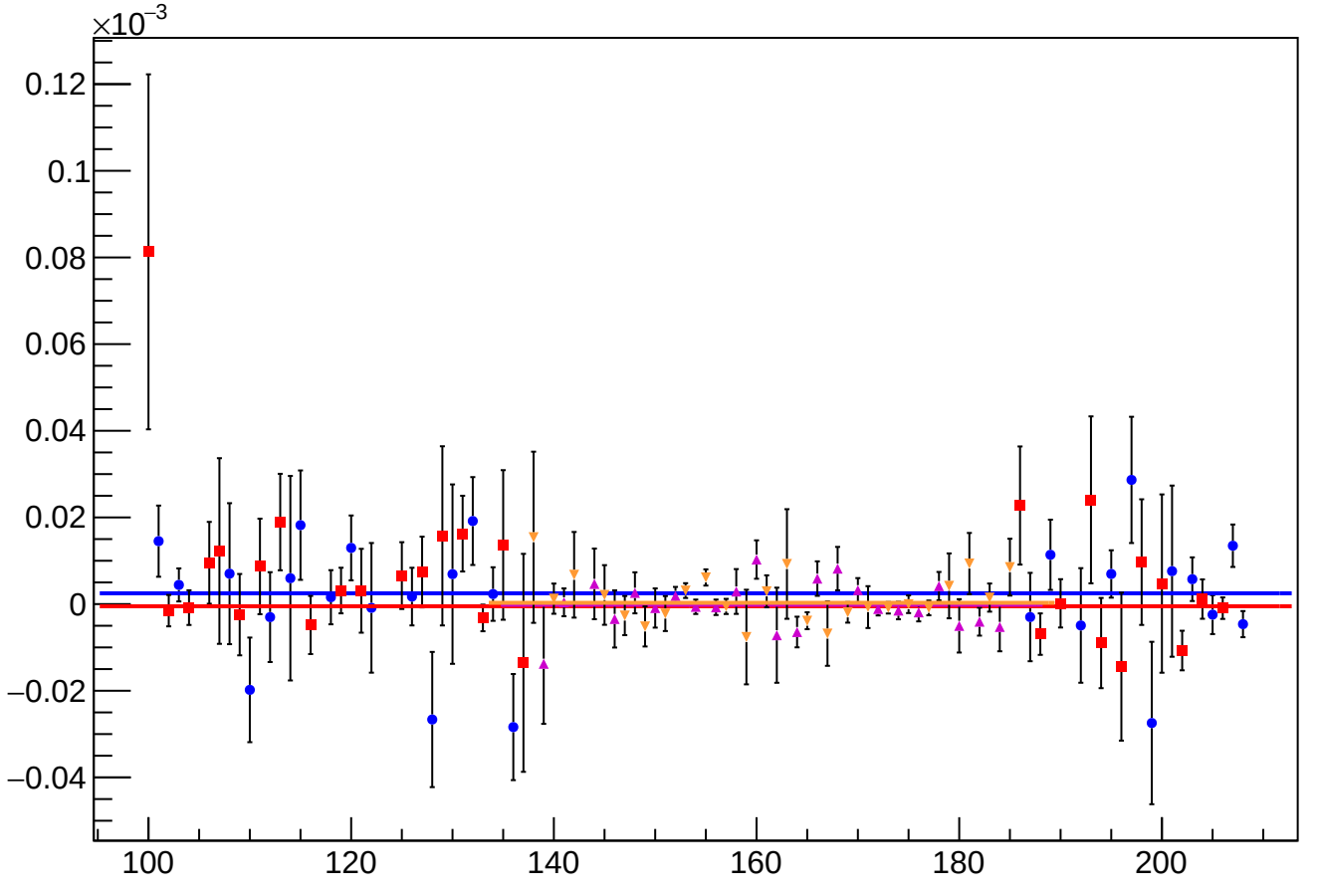
Right Out: 60.429+/-0.012 χ^2/NDF: 4272394.0/28

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 53.728+/-0.008 χ^2/NDF: 12004855.5/50

All: 53.287+/-0.005 χ^2/NDF: 23928211.8/102

- sign 52.861+/-0.008 χ^2/NDF: 11916888.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 42.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/28

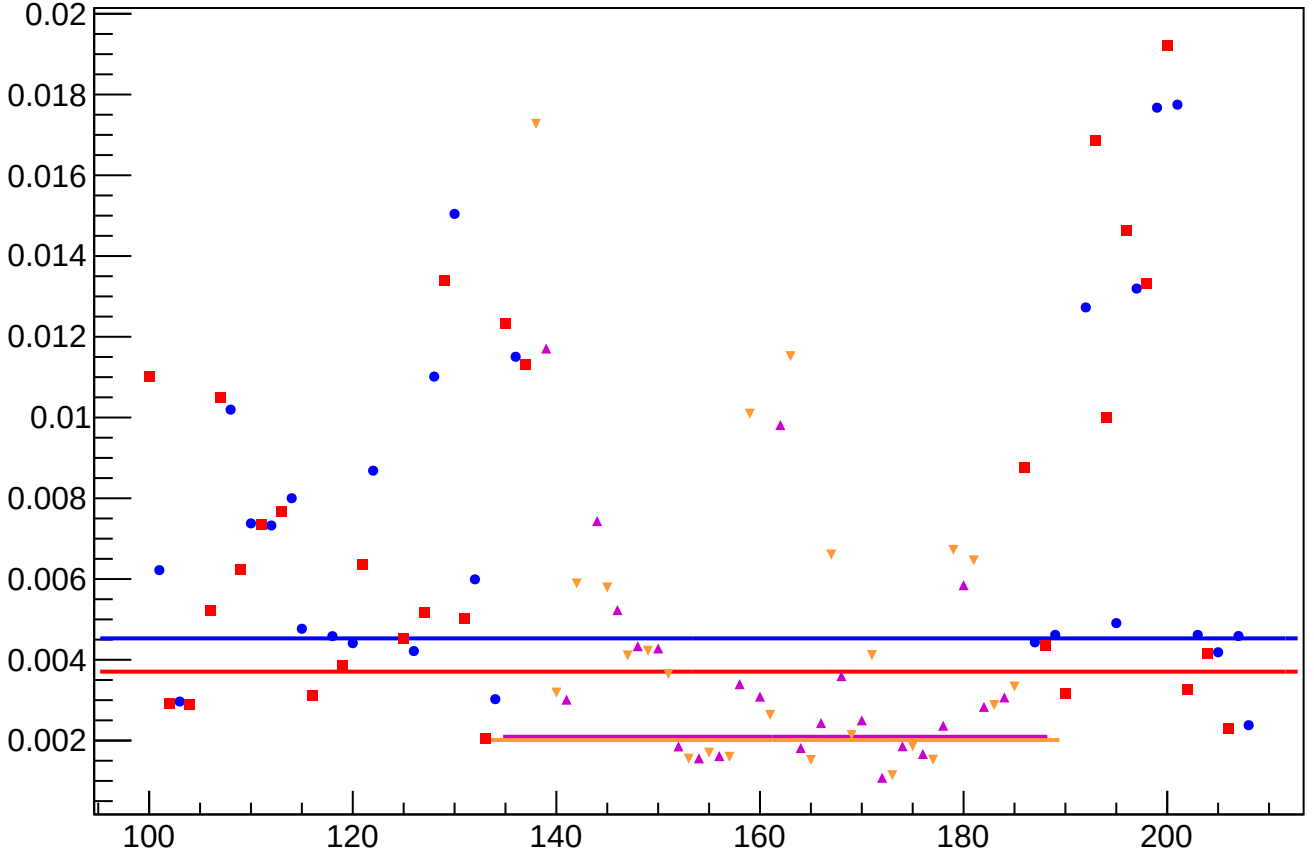
Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.0/50

All: 0.000+/-0.000 χ^2/NDF: 132.2/102

- sign -0.000+/-0.000 χ^2/NDF: 56.9/51

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 7188750.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

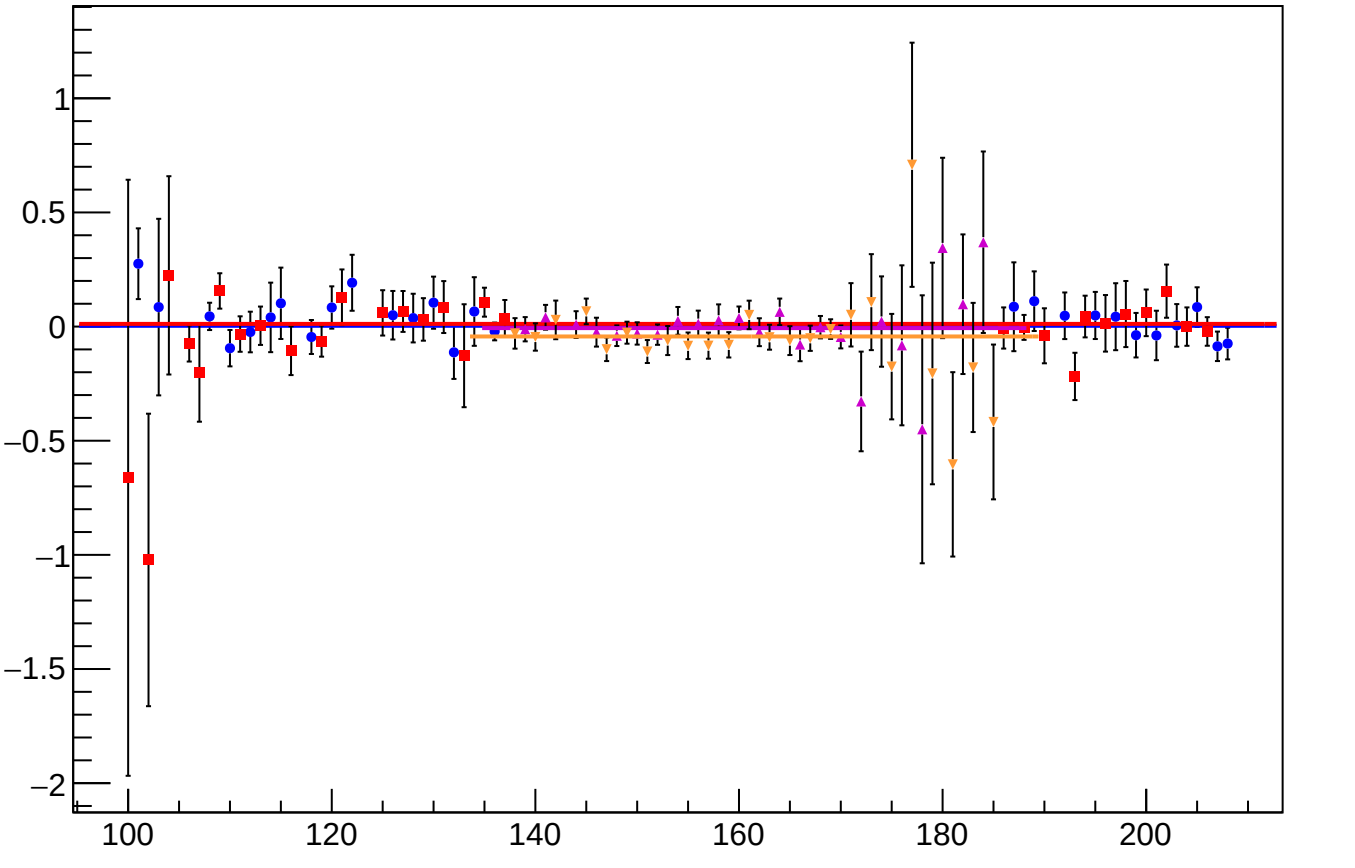
Right Out: 0.004+/-0.000 χ^2/NDF: 8616952.5/28

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 23335513.3/50

All: 0.002+/-0.000 χ^2/NDF: 42229308.4/102

- sign 0.002+/-0.000 χ^2/NDF: 18880100.1/51



Right In: 0.003+/-0.017 χ^2/NDF: 17.6/26

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

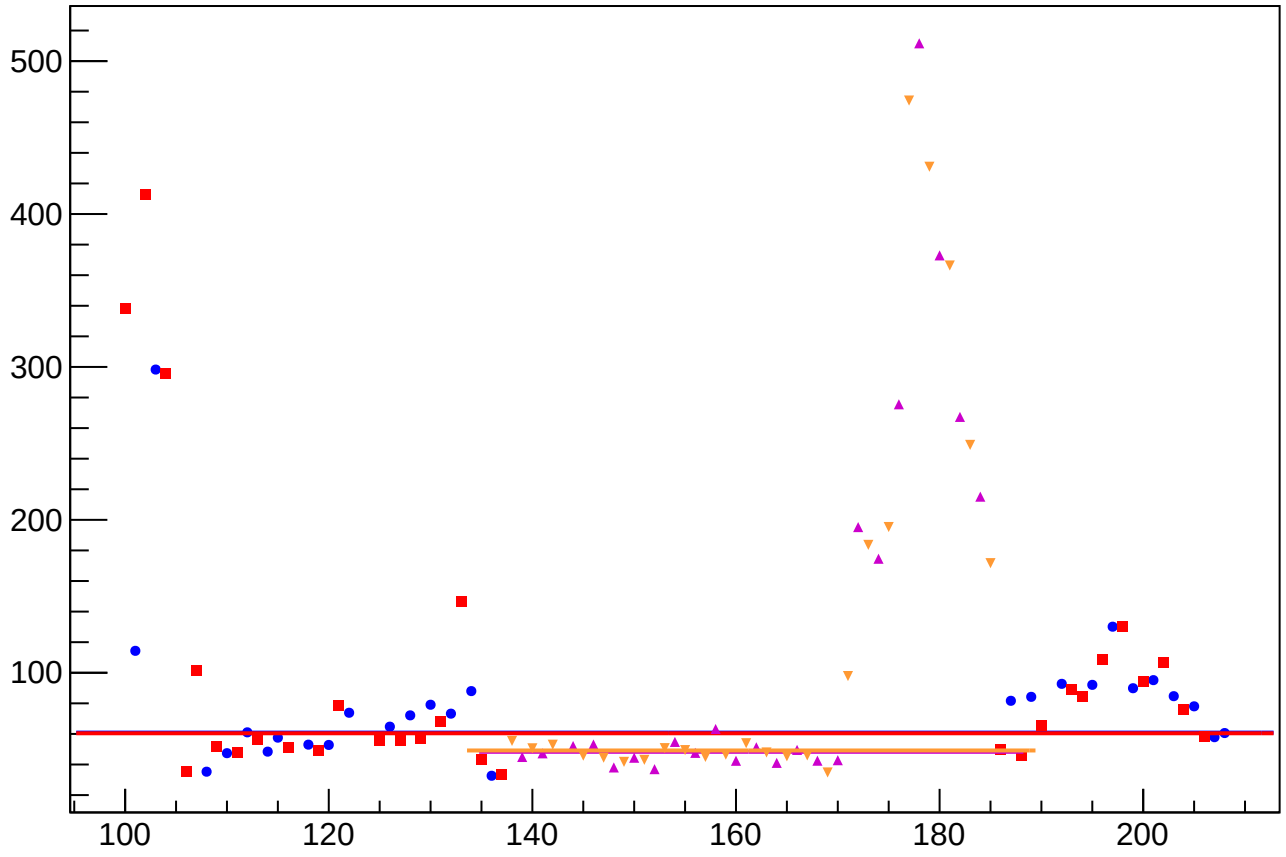
Right Out: 0.012+/-0.017 χ^2/NDF: 23.7/28

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

\+ sign -0.025+/-0.011 χ^2/NDF: 40.9/50

All: -0.012+/-0.008 χ^2/NDF: 79.3/102

\- sign 0.000+/-0.011 χ^2/NDF: 35.7/51



Right In: 60.861+/-0.012 χ^2/NDF: 4205158.0/26

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

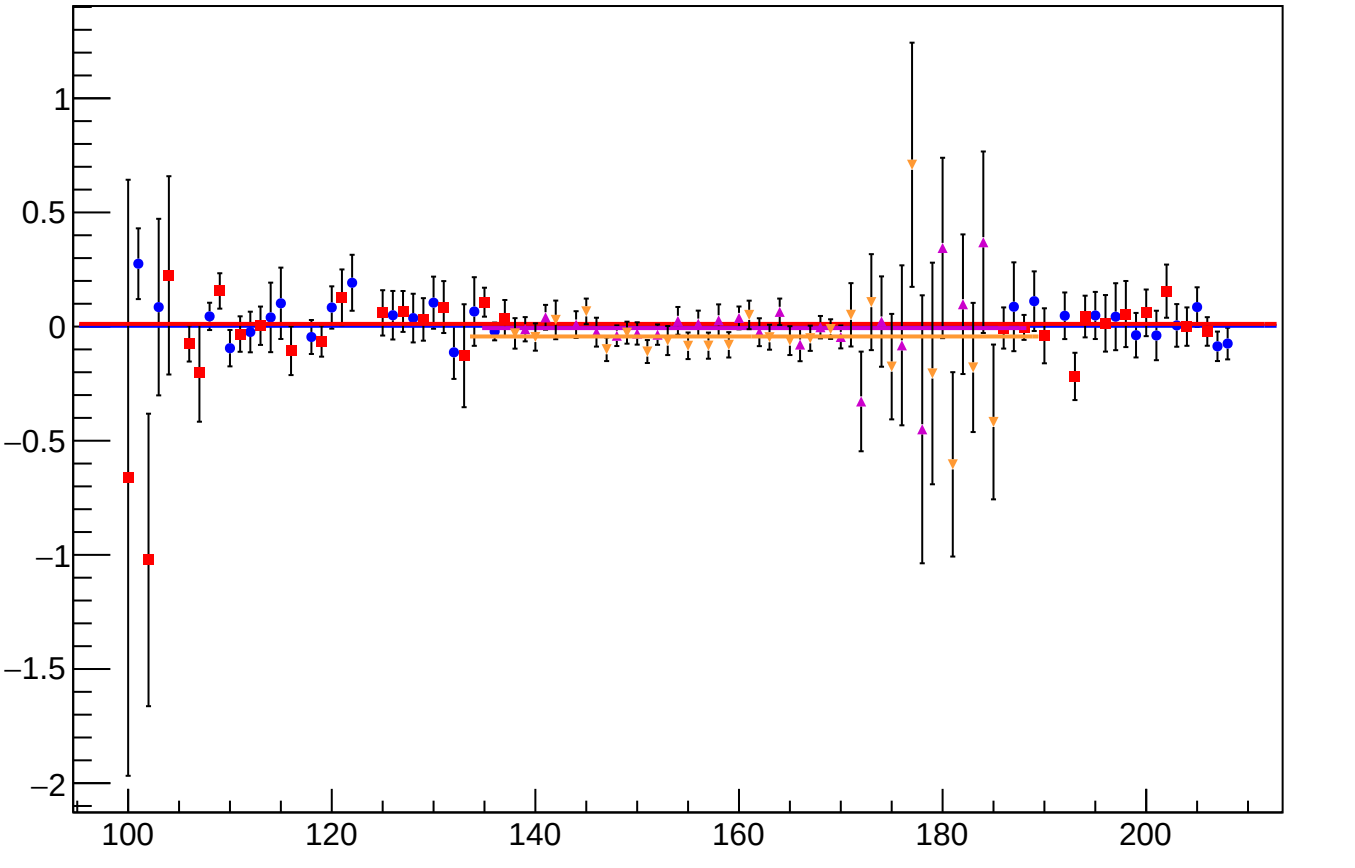
Right Out: 60.429+/-0.012 χ^2/NDF: 4272258.3/28

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 53.728+/-0.008 χ^2/NDF: 12004757.0/50

All: 53.287+/-0.005 χ^2/NDF: 23927922.3/102

- sign 52.862+/-0.008 χ^2/NDF: 11916705.3/51



Right In: 0.003+/-0.017 χ^2/NDF: 17.6/26

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

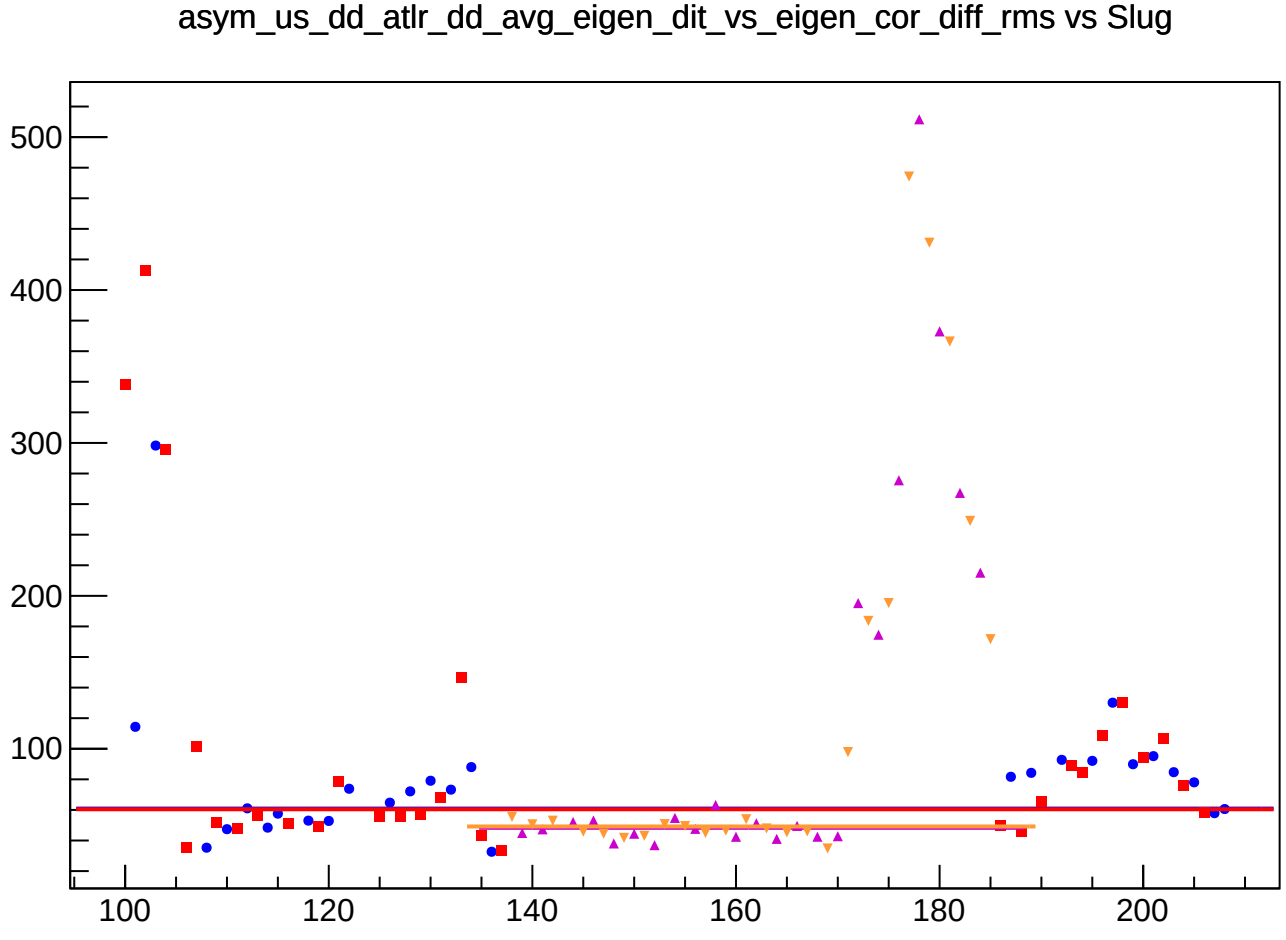
Right Out: 0.012+/-0.017 χ^2/NDF: 23.7/28

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

\+ sign -0.025+/-0.011 χ^2/NDF: 40.9/50

All: -0.012+/-0.008 χ^2/NDF: 79.3/102

\- sign 0.000+/-0.011 χ^2/NDF: 35.7/51



Right In: 60.861+/-0.012 χ^2/NDF: 4205158.0/26

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

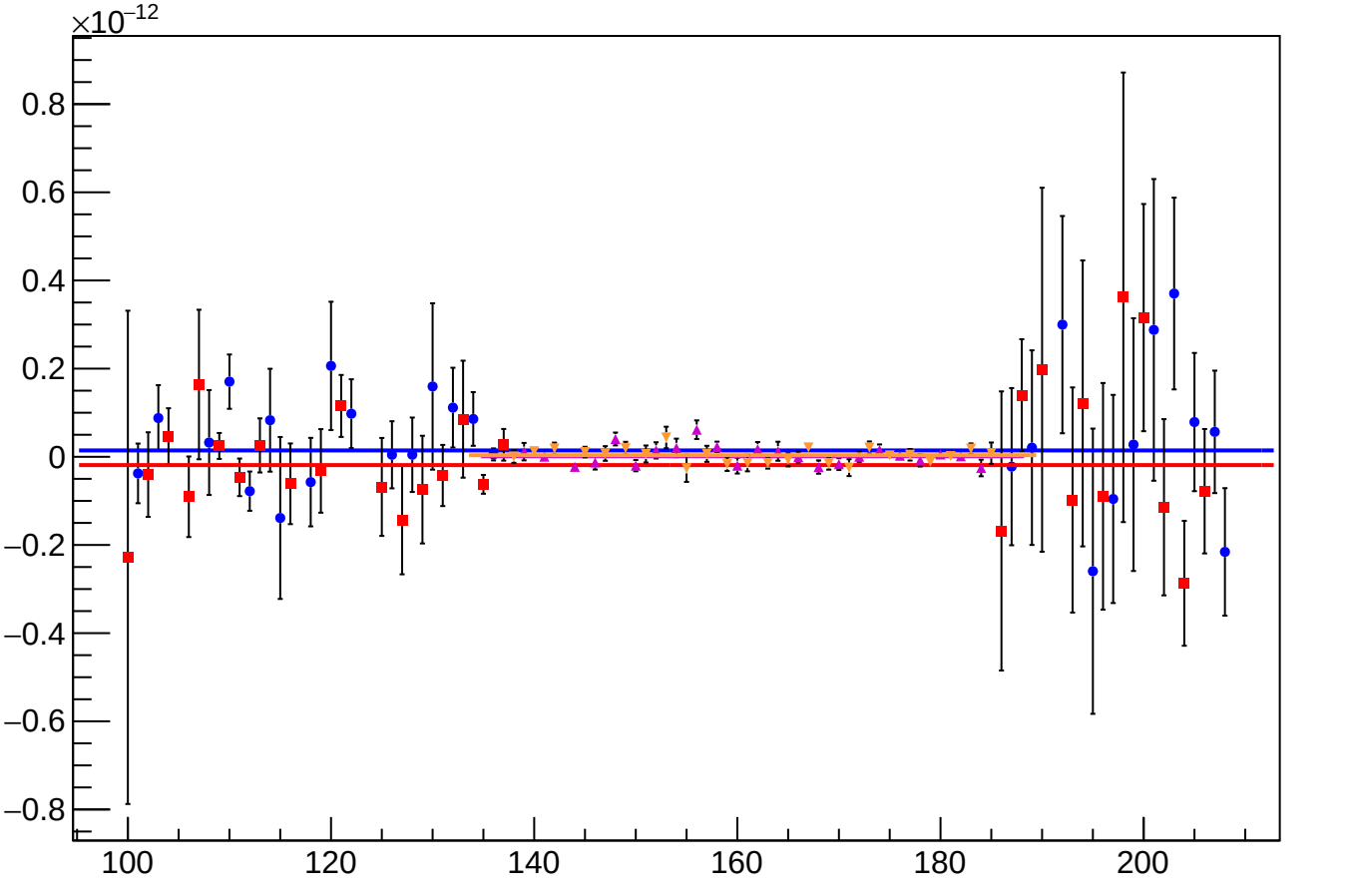
Right Out: 60.429+/-0.012 χ^2/NDF: 4272258.3/28

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 53.728+/-0.008 χ^2/NDF: 12004757.0/50

All: 53.287+/-0.005 χ^2/NDF: 23927922.3/102

- sign 52.862+/-0.008 χ^2/NDF: 11916705.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

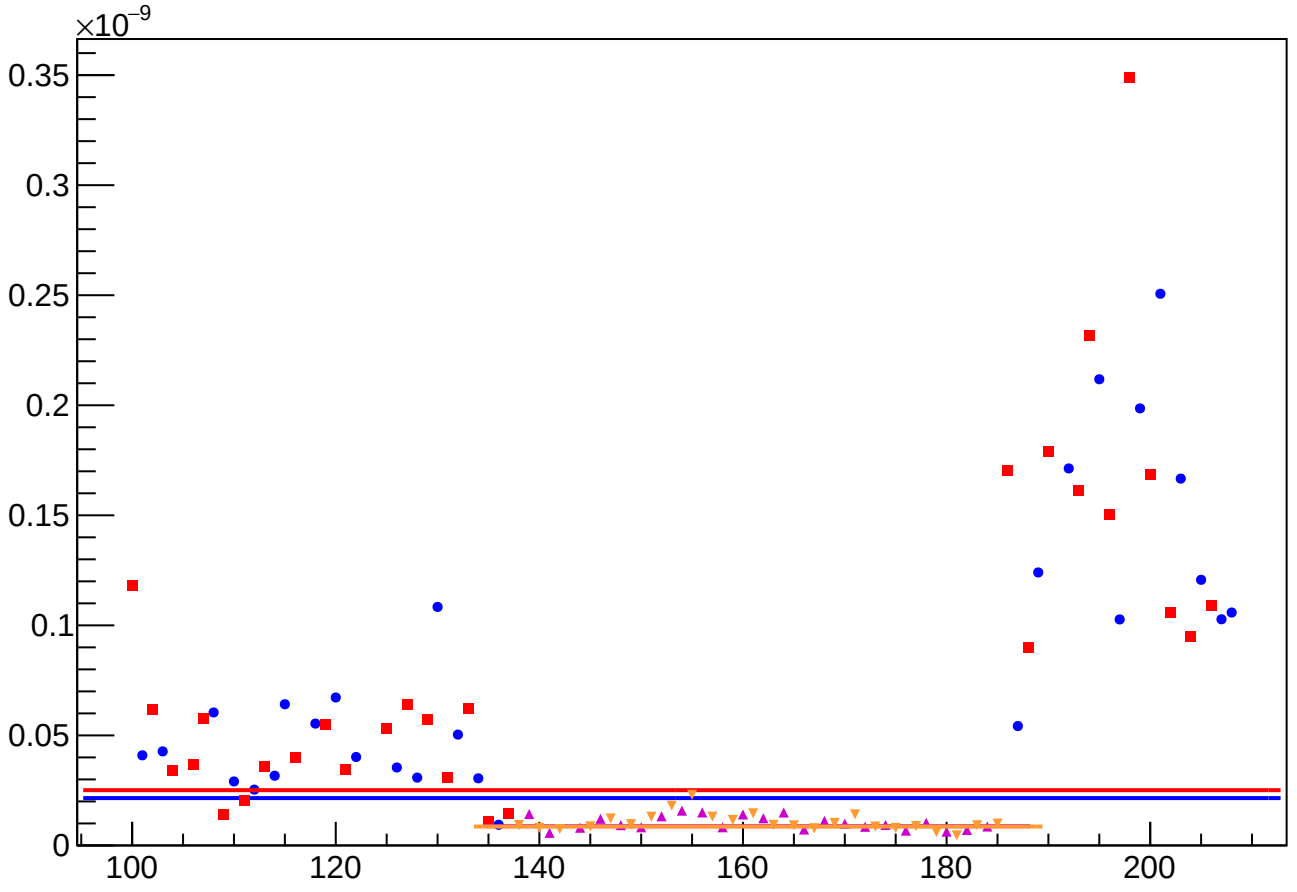
Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/28

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.2/50

All: 0.000+/-0.000 χ^2/NDF: 124.6/102

- sign 0.000+/-0.000 χ^2/NDF: 69.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 10486449.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8842162.8/28

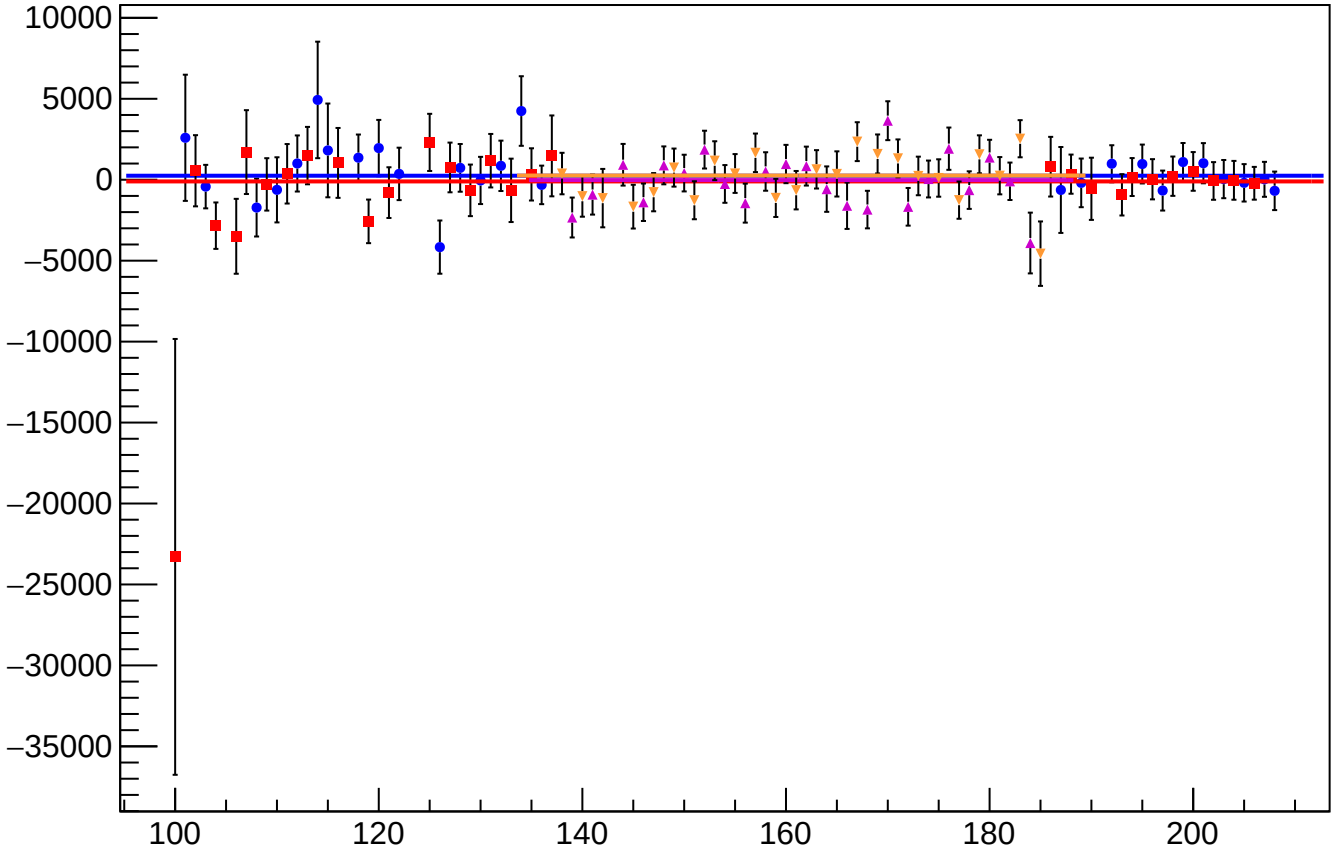
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 15538309.1/50

All: 0.000+/-0.000 χ^2/NDF: 29723922.1/102

- sign 0.000+/-0.000 χ^2/NDF: 14178951.2/51

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 247.765+/-281.186 χ^2/NDF: 20.2/26

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -104.404+/-282.347 χ^2/NDF: 18.8/28

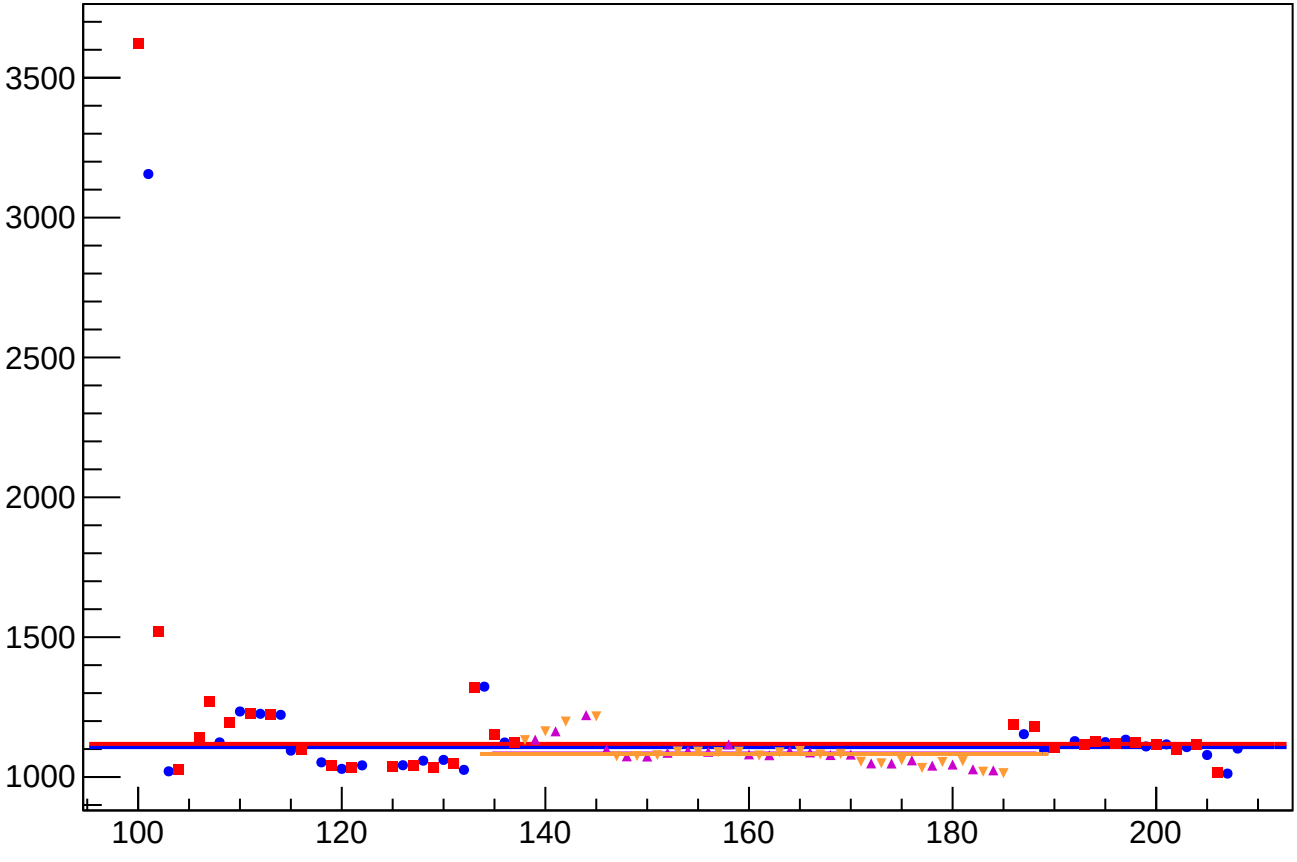
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 254.926+/-187.416 χ^2/NDF: 48.4/50

All: 98.939+/-132.925 χ^2/NDF: 104.5/102

- sign -58.956+/-188.559 χ^2/NDF: 54.6/51

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1106.949+/-0.199 χ^2/NDF: 643847.5/26

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

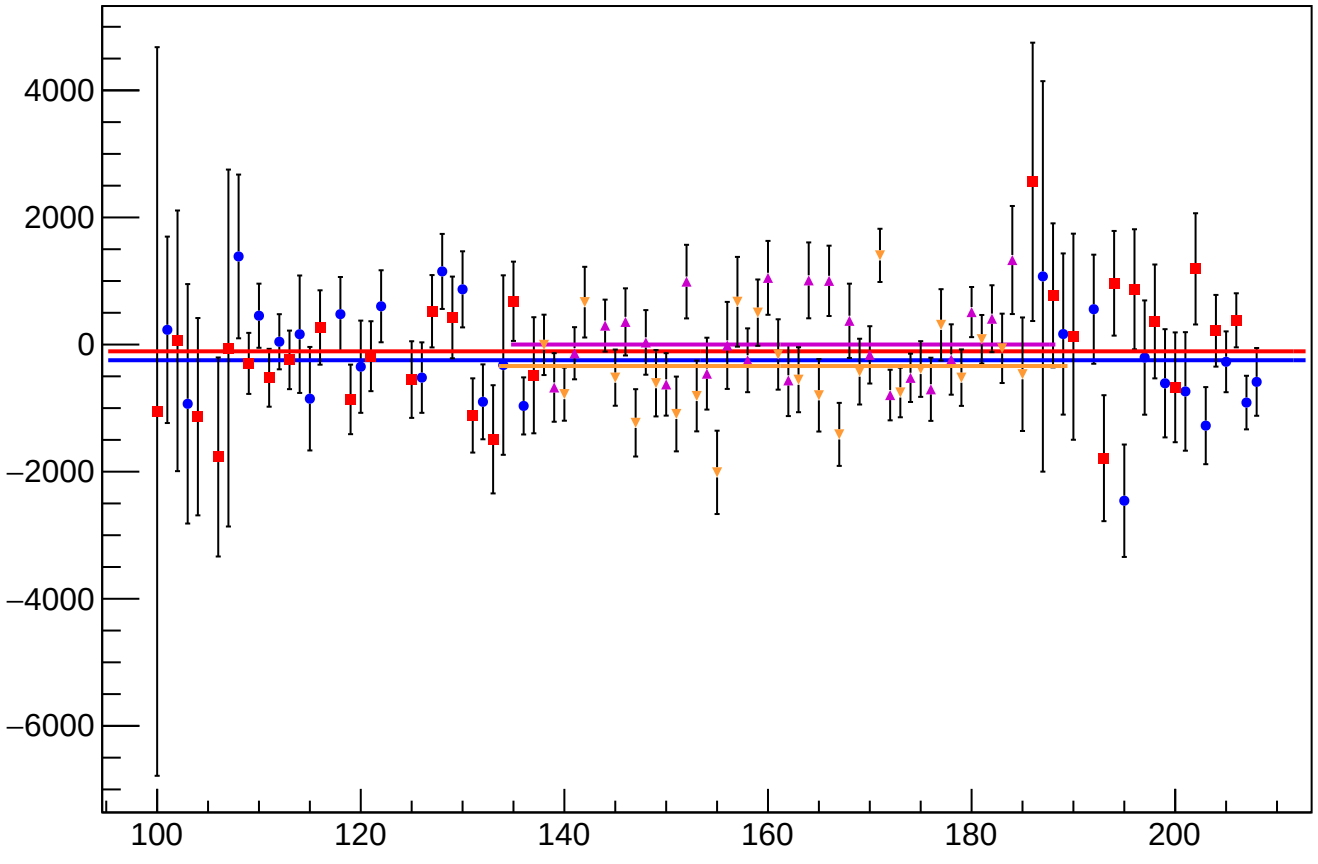
Right Out: 1118.545+/-0.200 χ^2/NDF: 251516.3/28

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1093.254+/-0.133 χ^2/NDF: 710256.1/50

All: 1096.358+/-0.094 χ^2/NDF: 1032742.0/10

- sign 1099.499+/-0.133 χ^2/NDF: 321382.5/51



Right In: -246.707+/-127.183 χ^2/NDF: 35.6/26

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

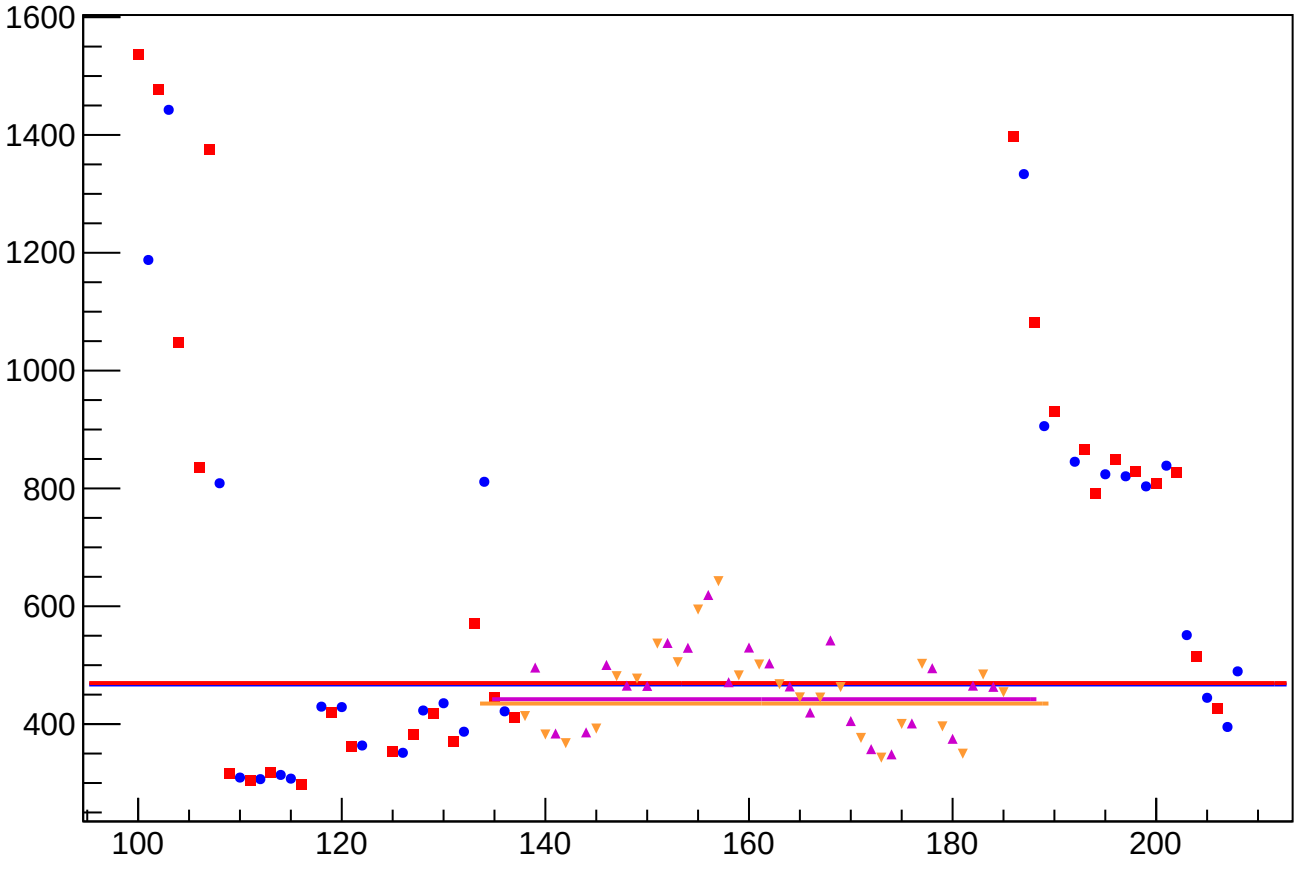
Right Out: -106.432+/-130.709 χ^2/NDF: 27.2/28

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

\+ sign -301.844+/-79.856 χ^2/NDF: 84.7/50

All: -174.588+/-57.118 χ^2/NDF: 149.3/102

\- sign -41.282+/-81.732 χ^2/NDF: 59.4/51



Right In: 467.243+/-0.090 χ^2/NDF: 4278456.4/26

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 469.634+/-0.092 χ^2/NDF: 5376286.8/28

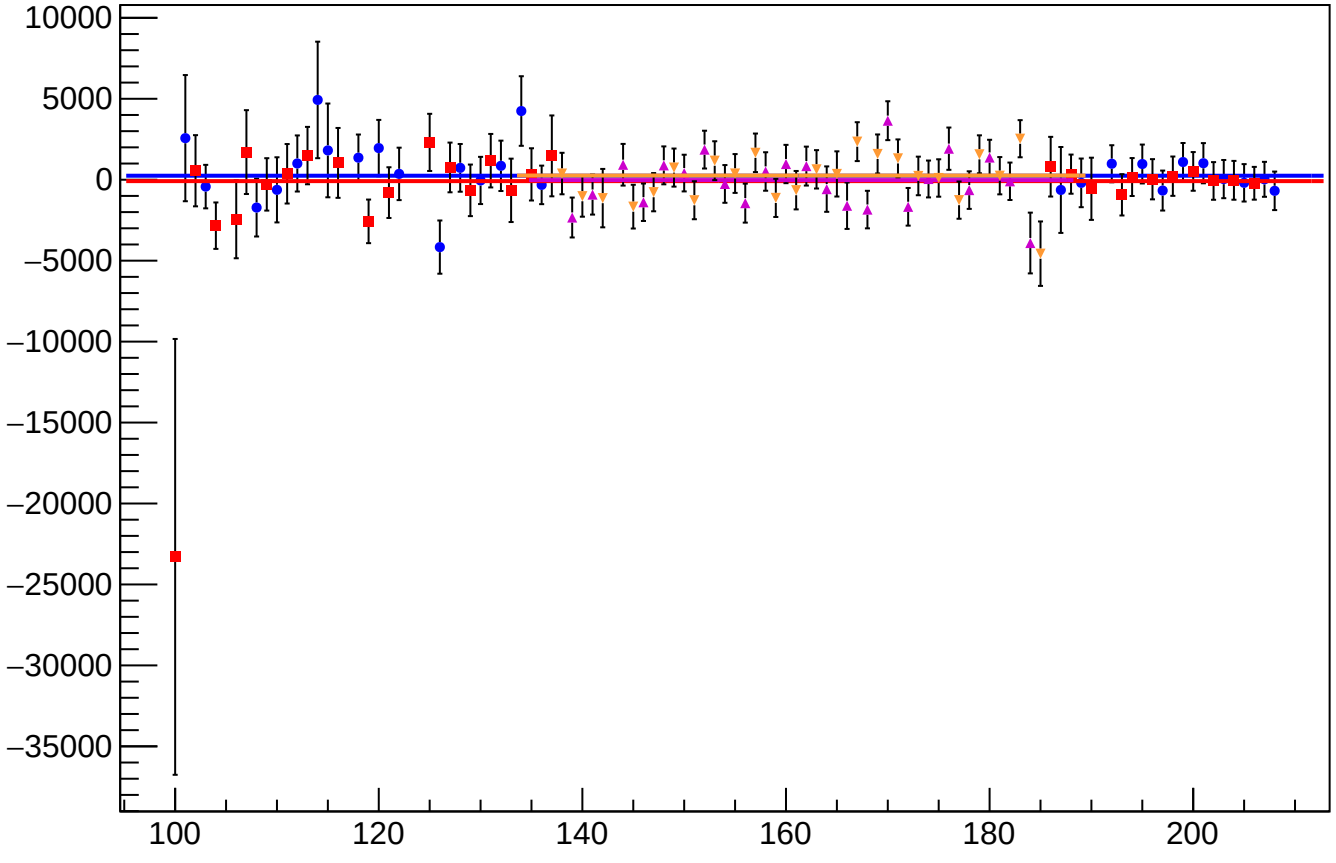
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 447.626+/-0.056 χ^2/NDF: 5235424.9/50

All: 450.217+/-0.040 χ^2/NDF: 11495620.2/10

- sign 452.932+/-0.058 χ^2/NDF: 6255882.2/51

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 247.643+/-281.186 χ^2/NDF: 20.2/26

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -86.007+/-282.509 χ^2/NDF: 17.6/28

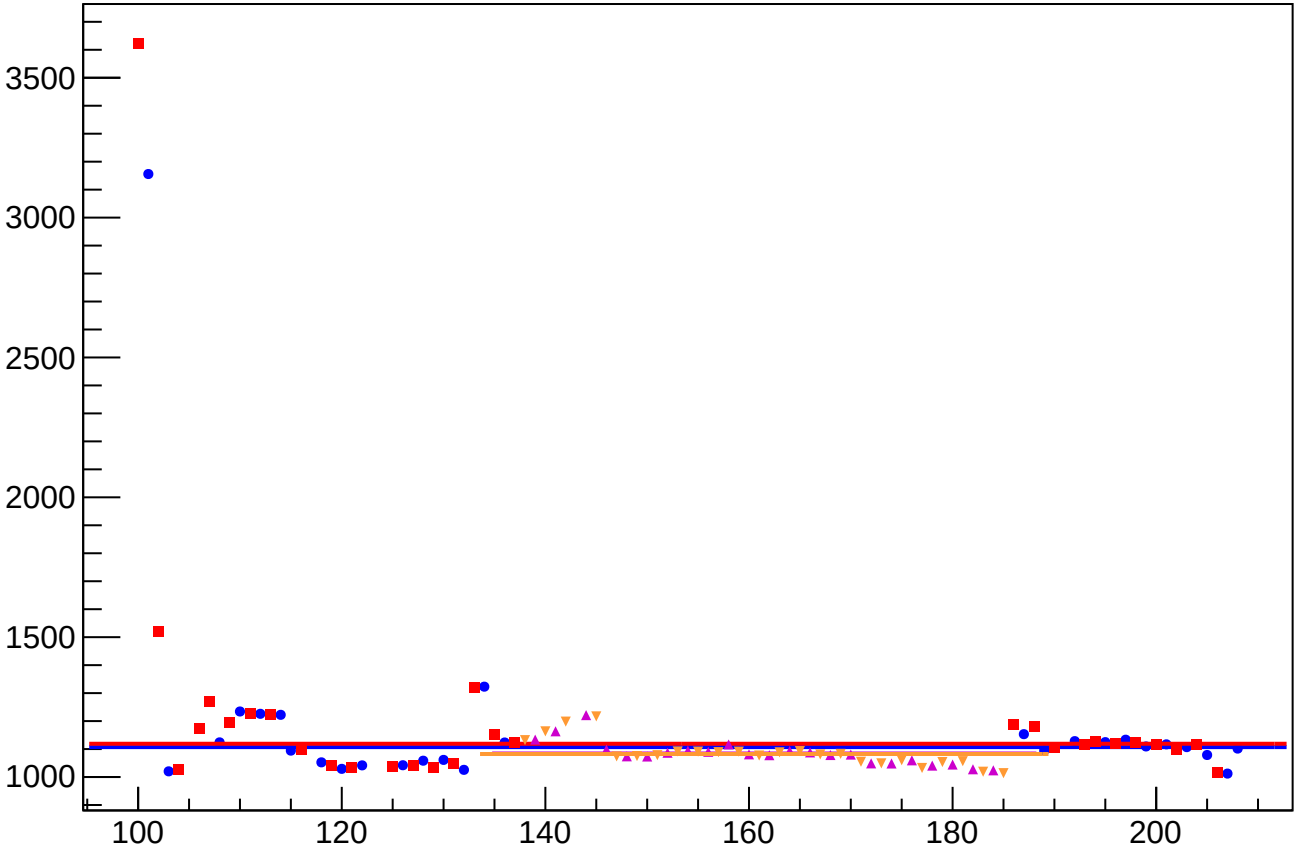
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 254.866+/-187.416 χ^2/NDF: 48.4/50

All: 103.036+/-132.942 χ^2/NDF: 103.1/102

- sign -50.730+/-188.607 χ^2/NDF: 53.4/51

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1106.948+/-0.199 χ^2/NDF: 643848.4/26

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

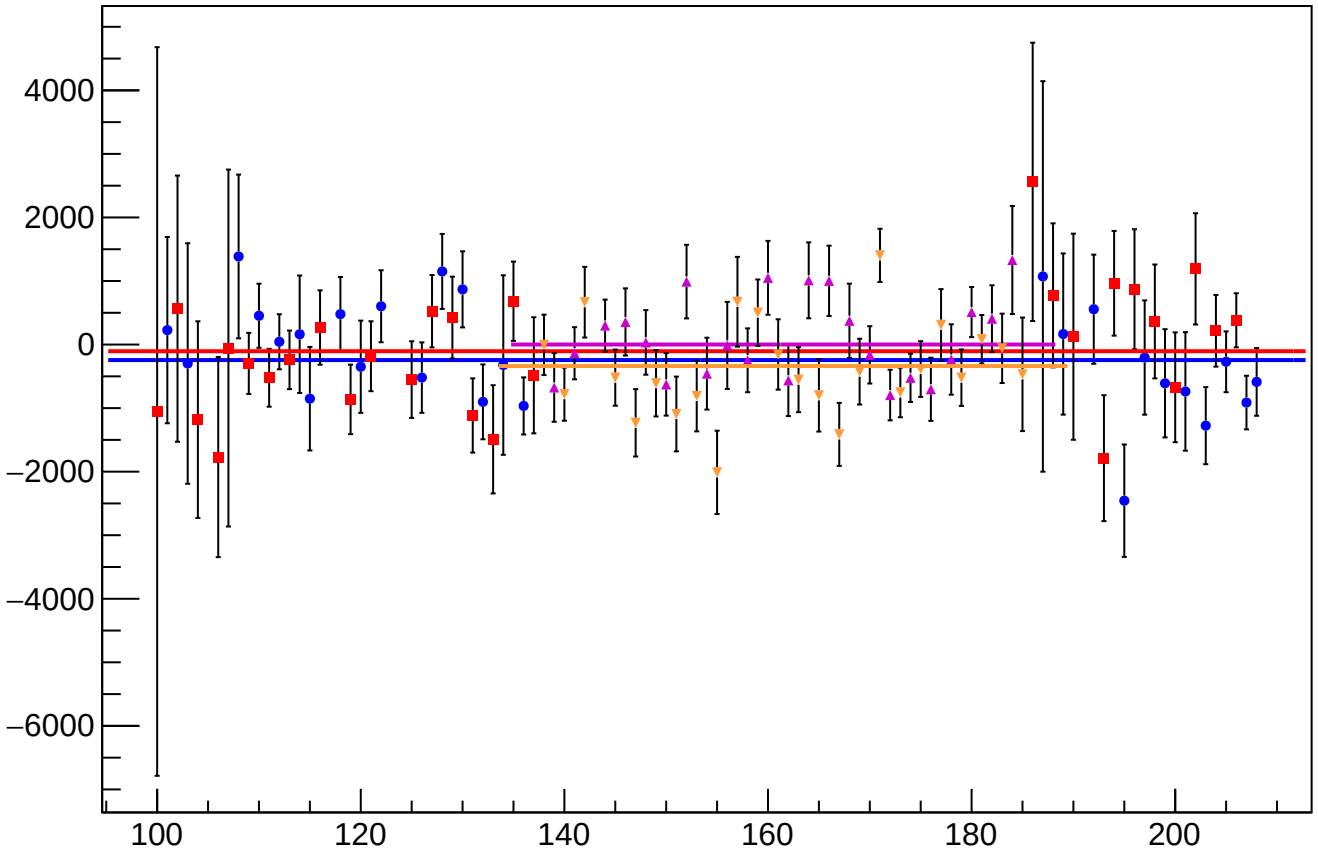
Right Out: 1118.951+/-0.200 χ^2/NDF: 252309.9/28

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

\+ sign 1093.254+/-0.133 χ^2/NDF: 710257.0/50

All: 1096.442+/-0.094 χ^2/NDF: 1033977.4/10

\- sign 1099.670+/-0.133 χ^2/NDF: 322555.8/51



Right In: -243.902+/-127.184 χ^2/NDF: 35.4/26

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

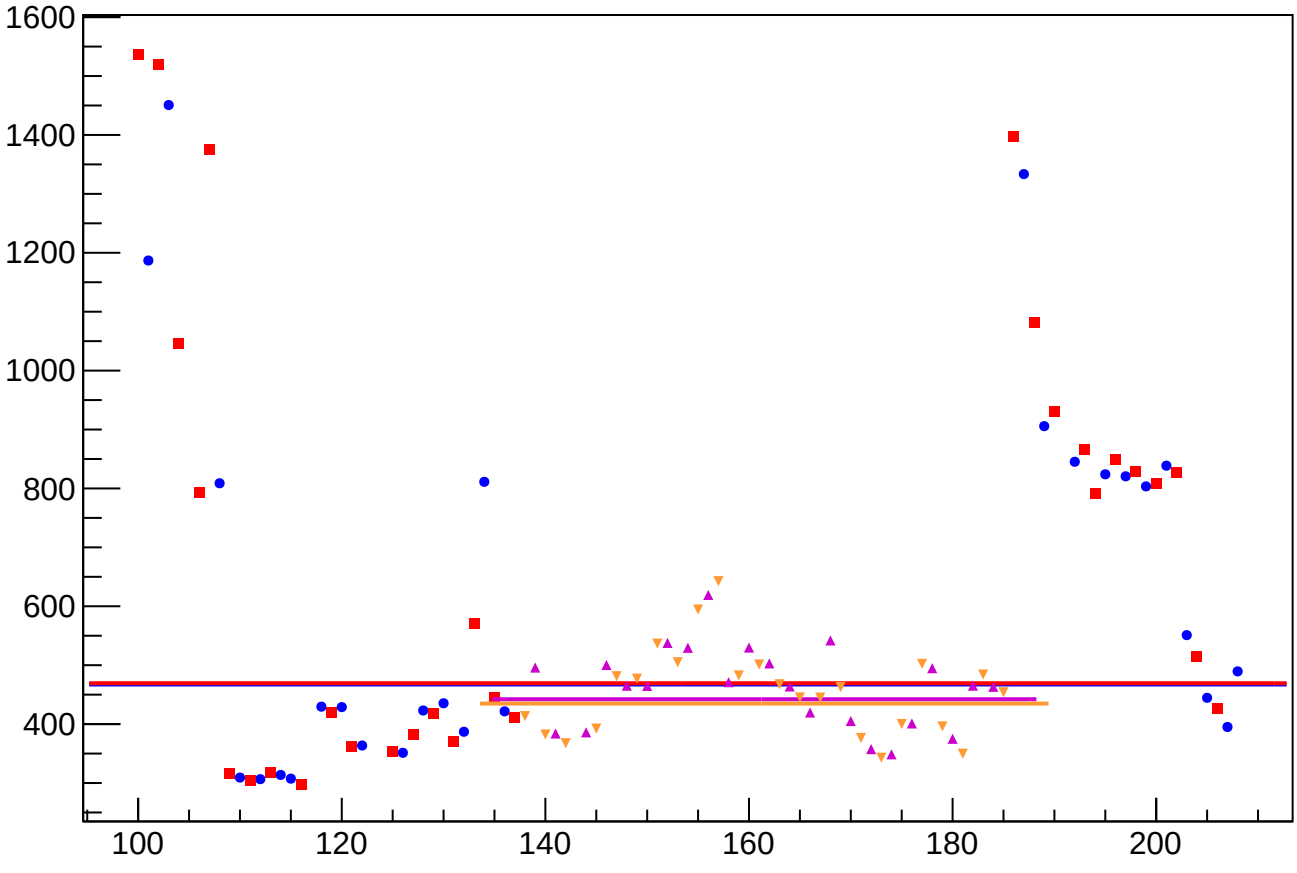
Right Out: -104.769+/-130.723 χ^2/NDF: 27.3/28

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -300.793+/-79.856 χ^2/NDF: 84.5/50

All: -173.730+/-57.120 χ^2/NDF: 149.3/102

- sign -40.614+/-81.736 χ^2/NDF: 59.5/51



Right In: 467.238+/-0.090 χ^2/NDF: 4282246.9/26

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 469.327+/-0.092 χ^2/NDF: 5370554.4/28

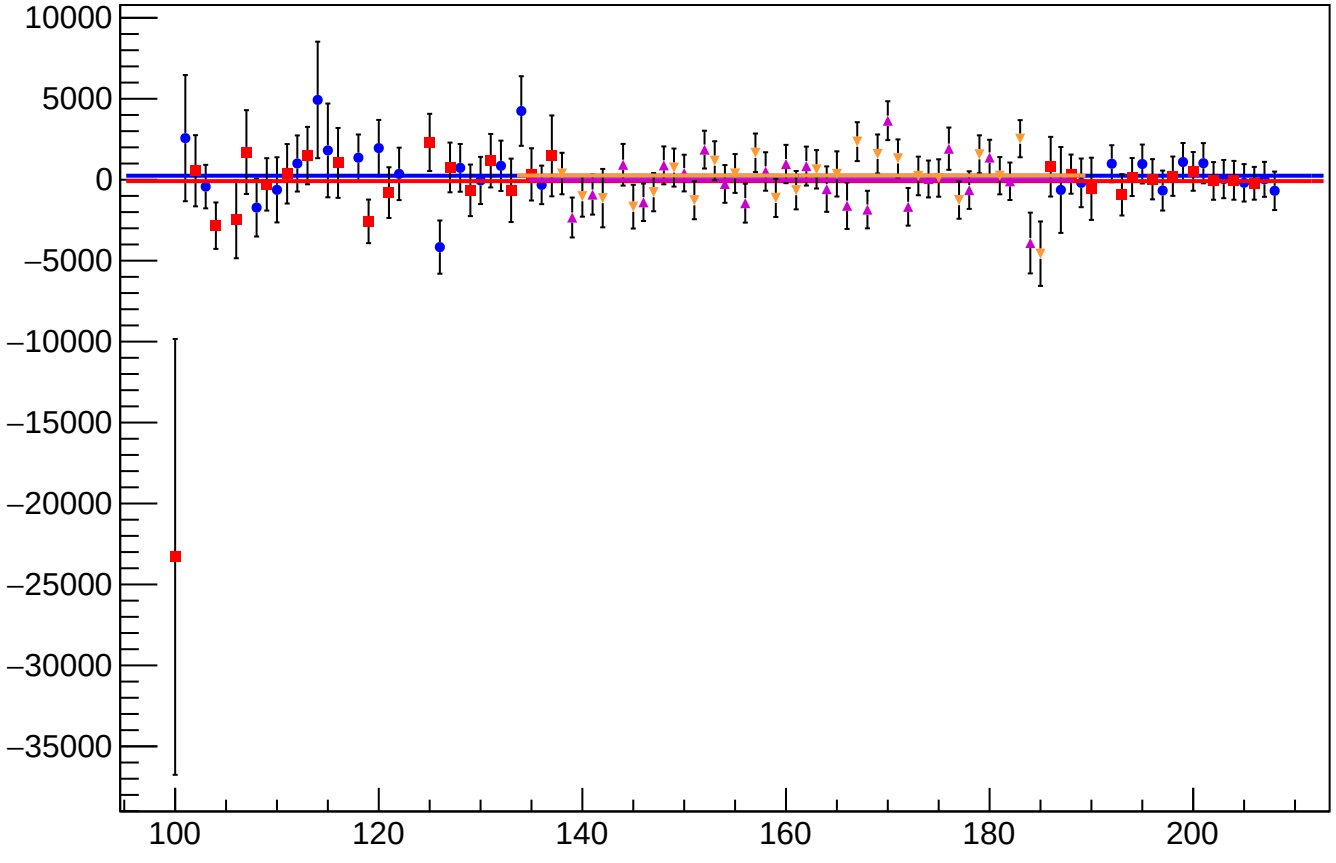
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 447.622+/-0.056 χ^2/NDF: 5239291.4/50

All: 450.156+/-0.040 χ^2/NDF: 11492233.4/10

- sign 452.811+/-0.058 χ^2/NDF: 6248816.9/51

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 247.643+/-281.186 χ^2/NDF: 20.2/26

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -86.007+/-282.509 χ^2/NDF: 17.6/28

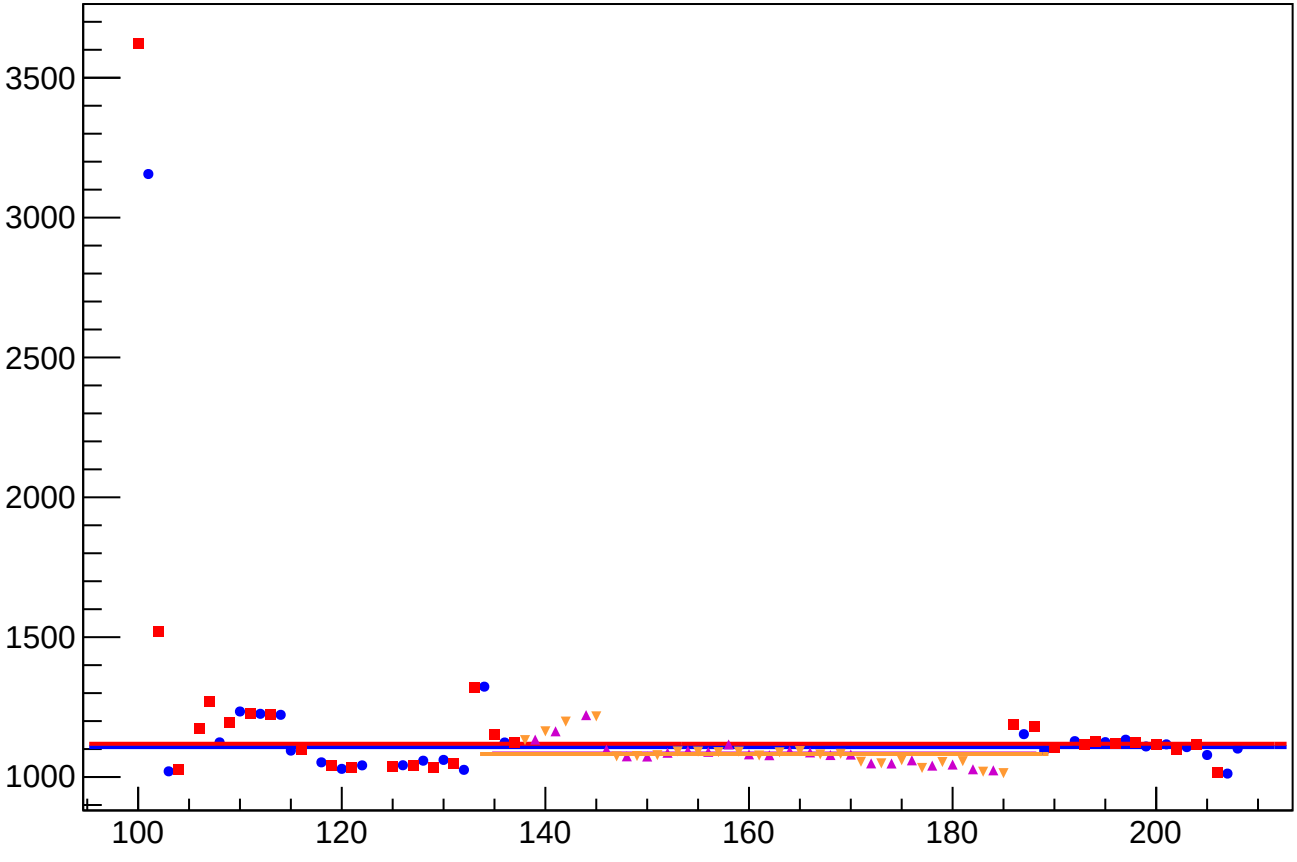
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 254.866+/-187.416 χ^2/NDF: 48.4/50

All: 103.036+/-132.942 χ^2/NDF: 103.1/102

- sign -50.730+/-188.607 χ^2/NDF: 53.4/51

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1106.948+/-0.199 χ^2/NDF: 643848.4/26

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

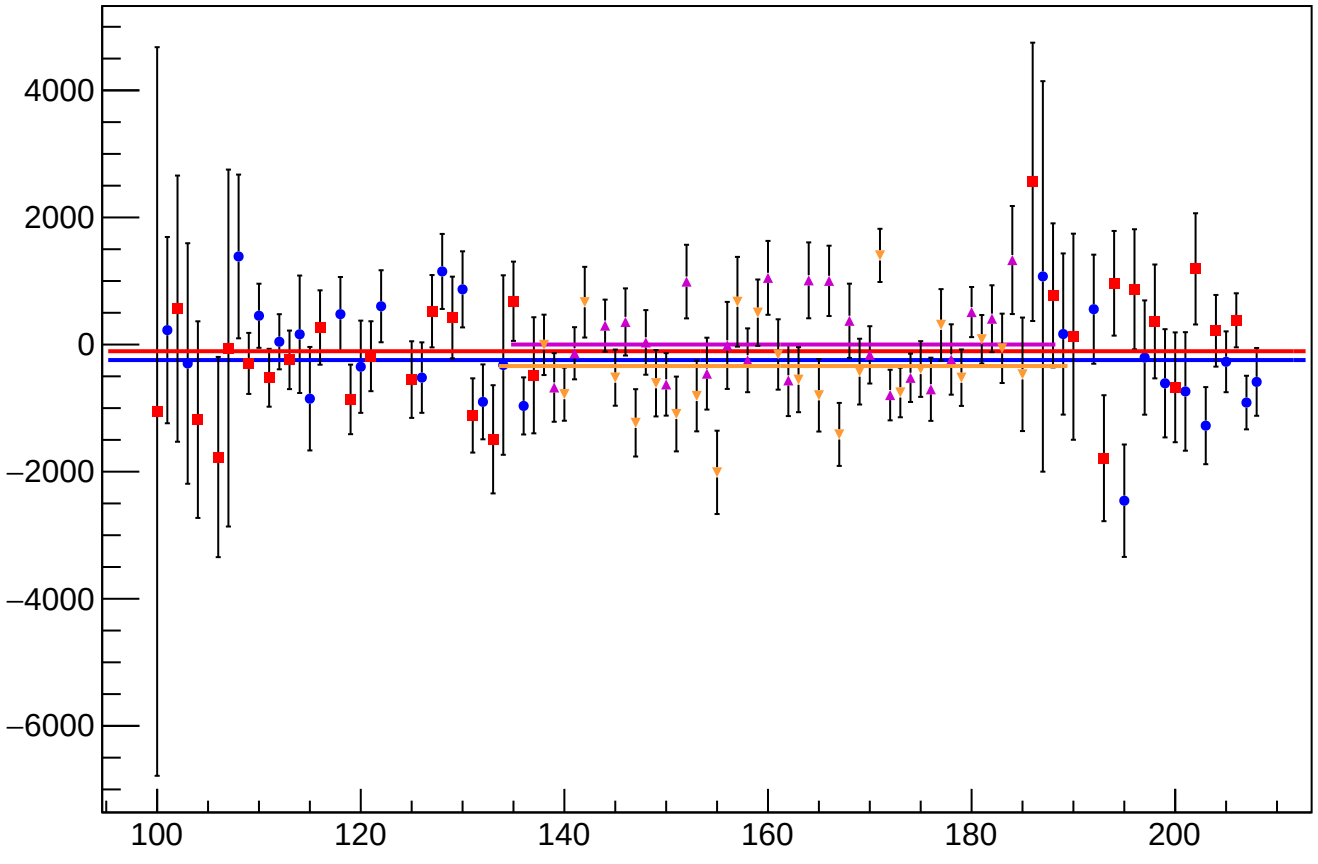
Right Out: 1118.951+/-0.200 χ^2/NDF: 252309.9/28

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1093.254+/-0.133 χ^2/NDF: 710257.0/50

All: 1096.442+/-0.094 χ^2/NDF: 1033977.4/10

- sign 1099.670+/-0.133 χ^2/NDF: 322555.8/51



Right In: -243.902+/-127.184 χ^2/NDF: 35.4/26

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

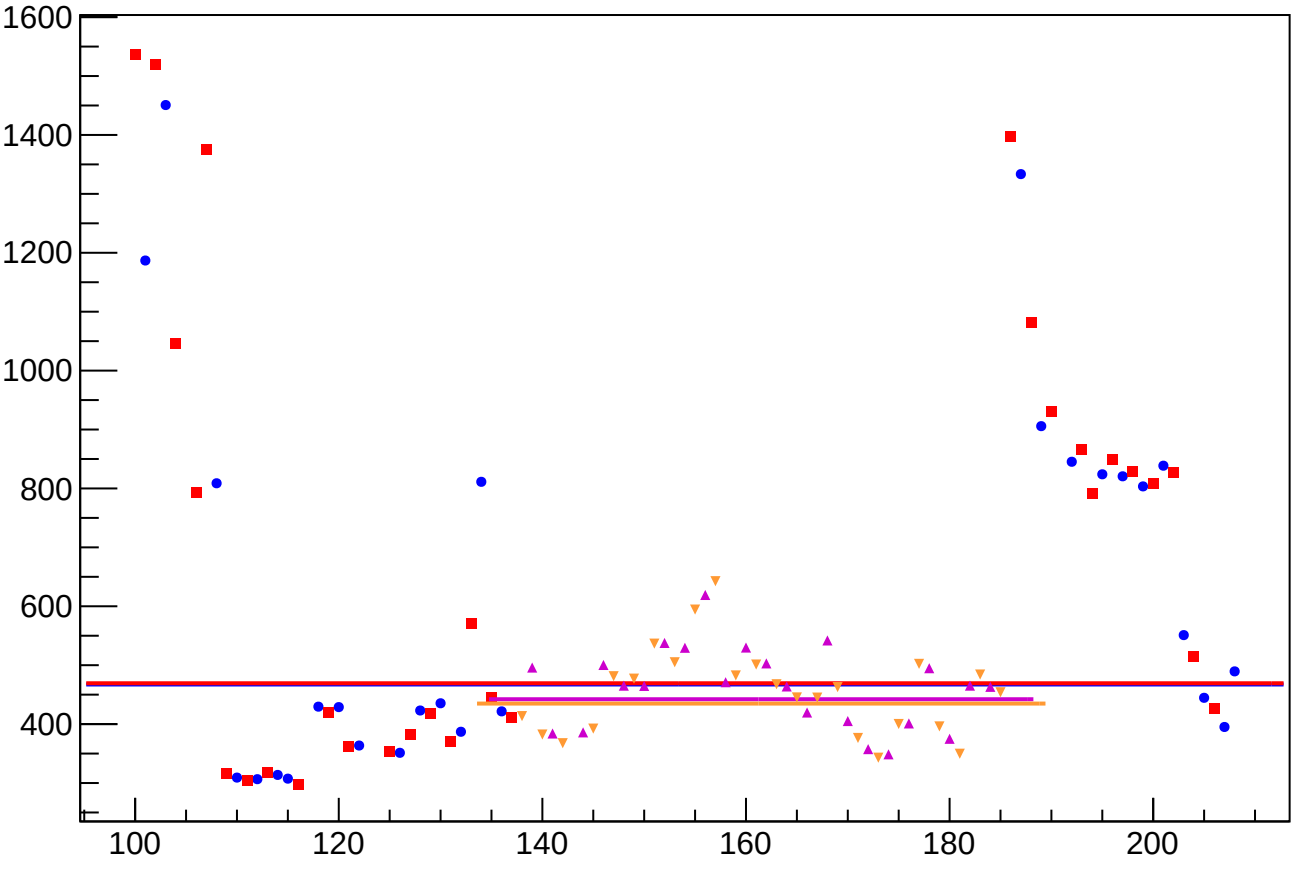
Right Out: -104.769+/-130.723 χ^2/NDF: 27.3/28

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -300.793+/-79.856 χ^2/NDF: 84.5/50

All: -173.730+/-57.120 χ^2/NDF: 149.3/102

- sign -40.614+/-81.736 χ^2/NDF: 59.5/51



Right In: 467.238+/-0.090 χ^2/NDF: 4282246.9/26

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 469.327+/-0.092 χ^2/NDF: 5370554.4/28

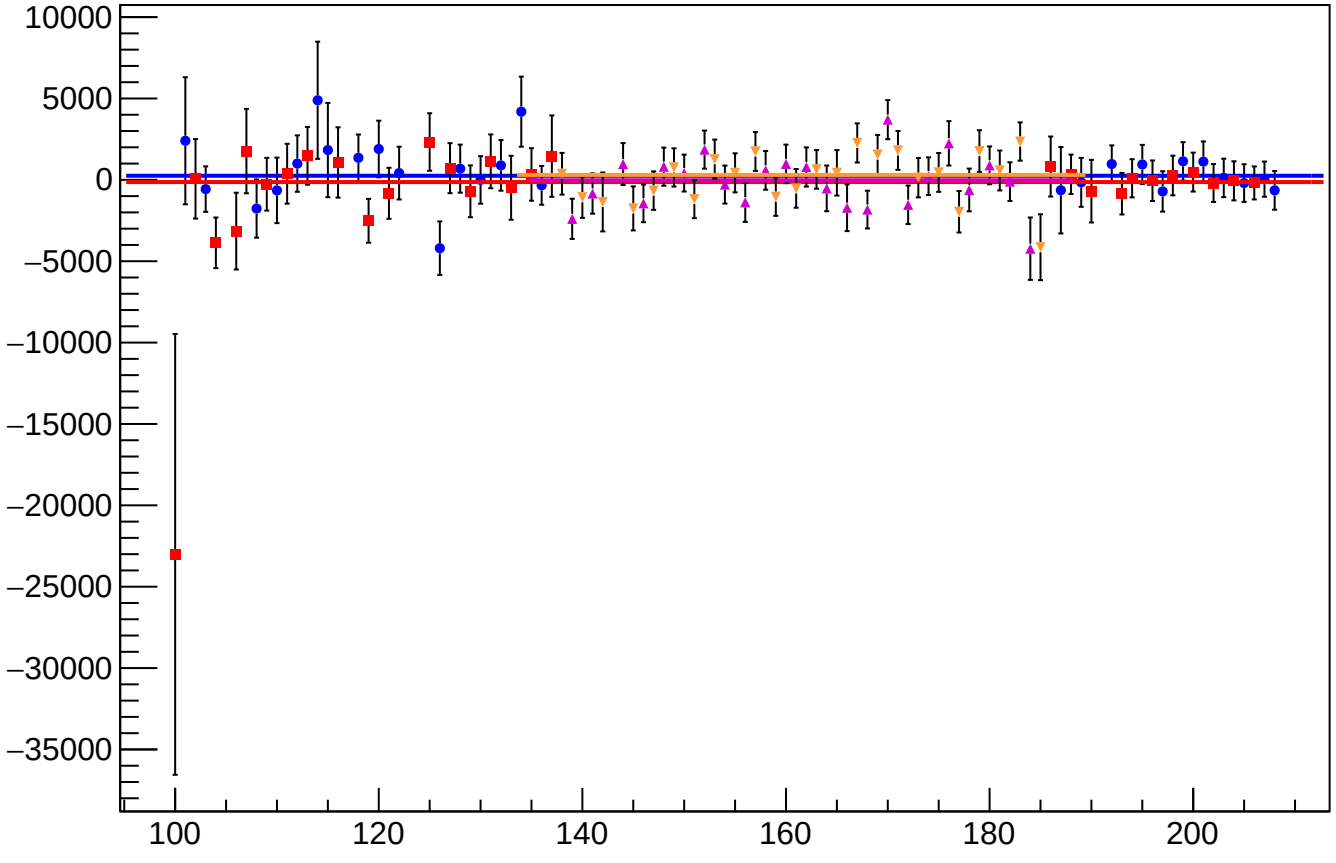
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 447.622+/-0.056 χ^2/NDF: 5239291.4/50

All: 450.156+/-0.040 χ^2/NDF: 11492233.4/10

- sign 452.811+/-0.058 χ^2/NDF: 6248816.9/51

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 251.586+/-281.981 χ^2/NDF: 20.3/26

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -134.446+/-284.029 χ^2/NDF: 20.1/28

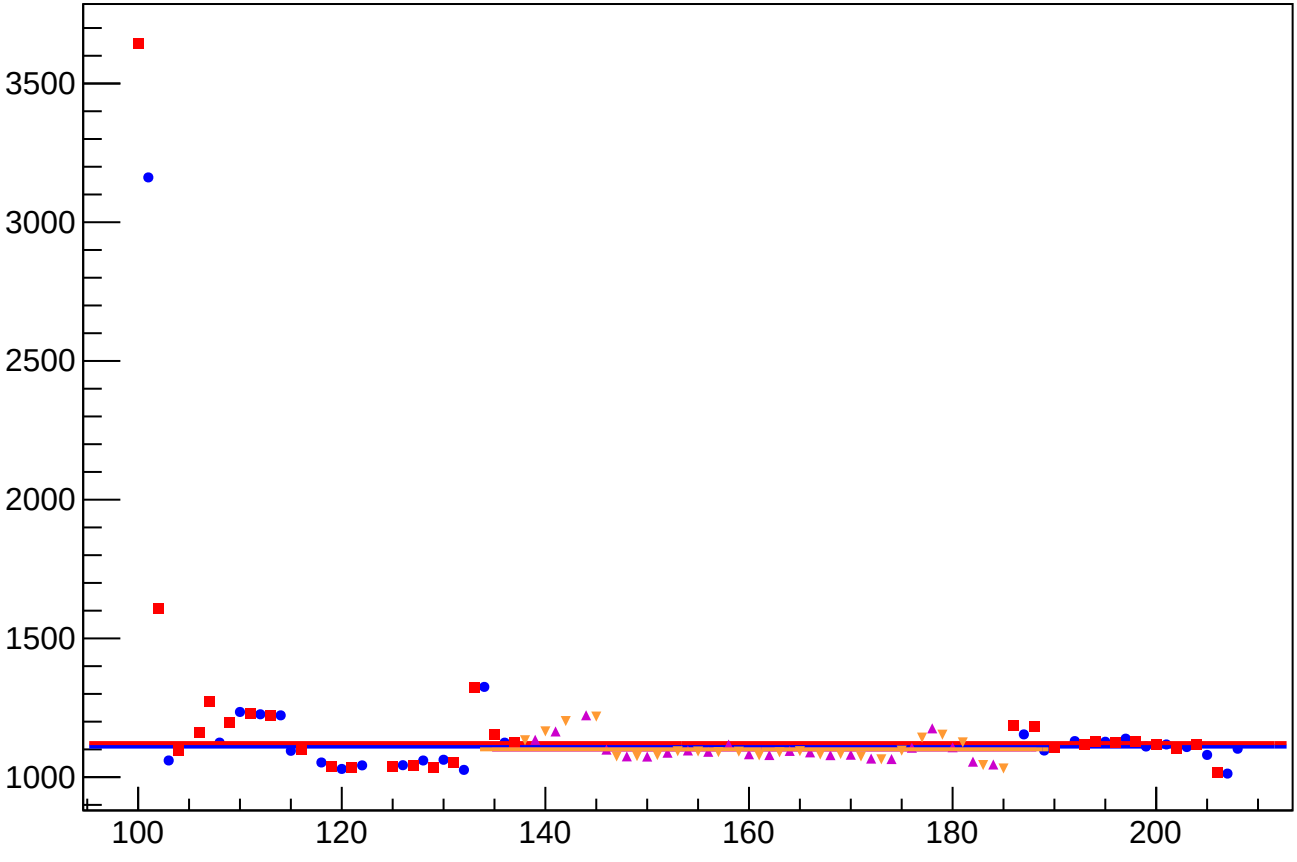
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 280.036+/-189.360 χ^2/NDF: 48.8/50

All: 103.886+/-134.304 χ^2/NDF: 106.5/102

- sign -74.416+/-190.513 χ^2/NDF: 56.0/51

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1110.101+/-0.199 χ^2/NDF: 638947.2/26

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

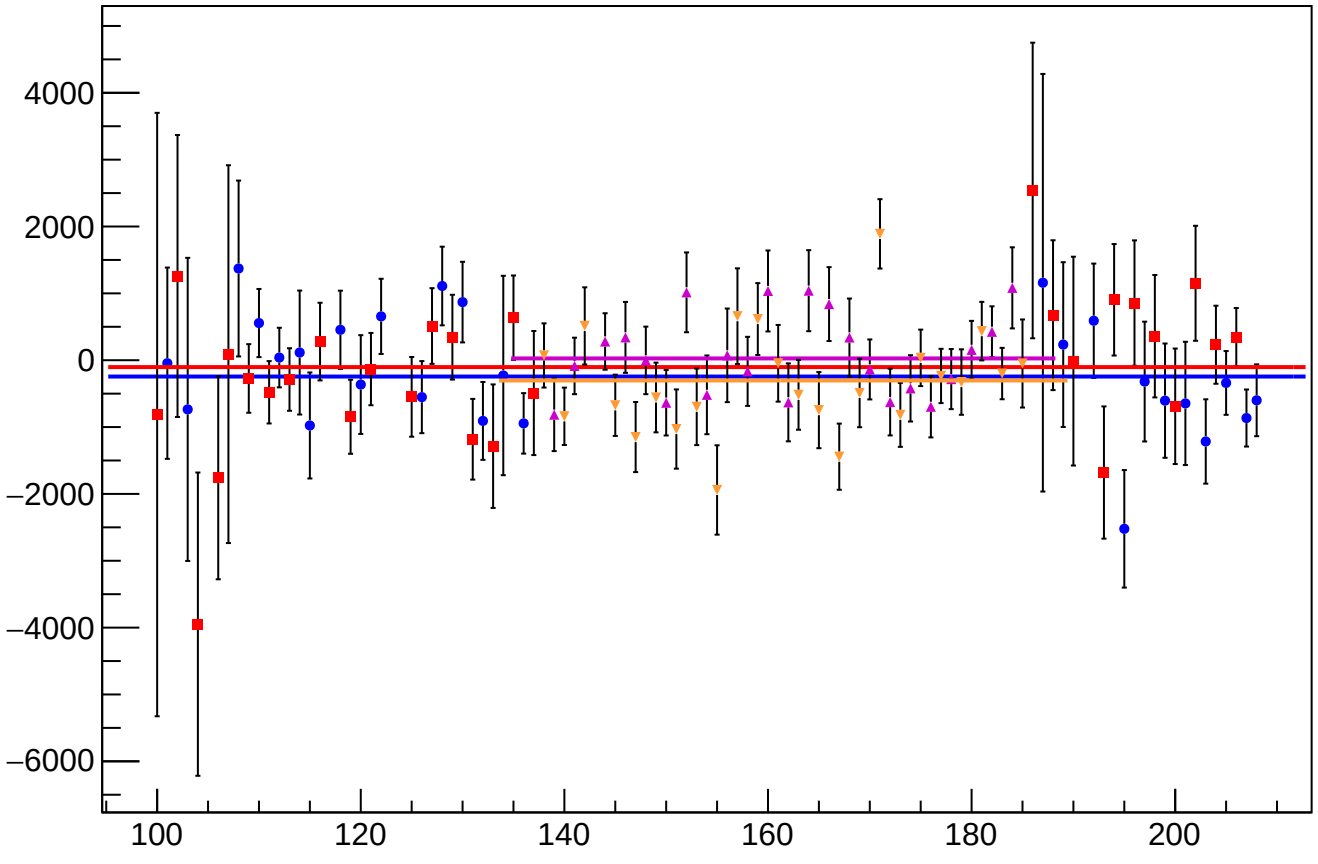
Right Out: 1122.714+/-0.201 χ^2/NDF: 258259.2/28

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1104.697+/-0.134 χ^2/NDF: 689059.4/50

All: 1107.261+/-0.095 χ^2/NDF: 1000292.2/10

- sign 1109.857+/-0.135 χ^2/NDF: 310494.7/51



Right In: -244.250+/-127.770 χ^2/NDF: 35.6/26

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: -102.843+/-132.701 χ^2/NDF: 27.5/28

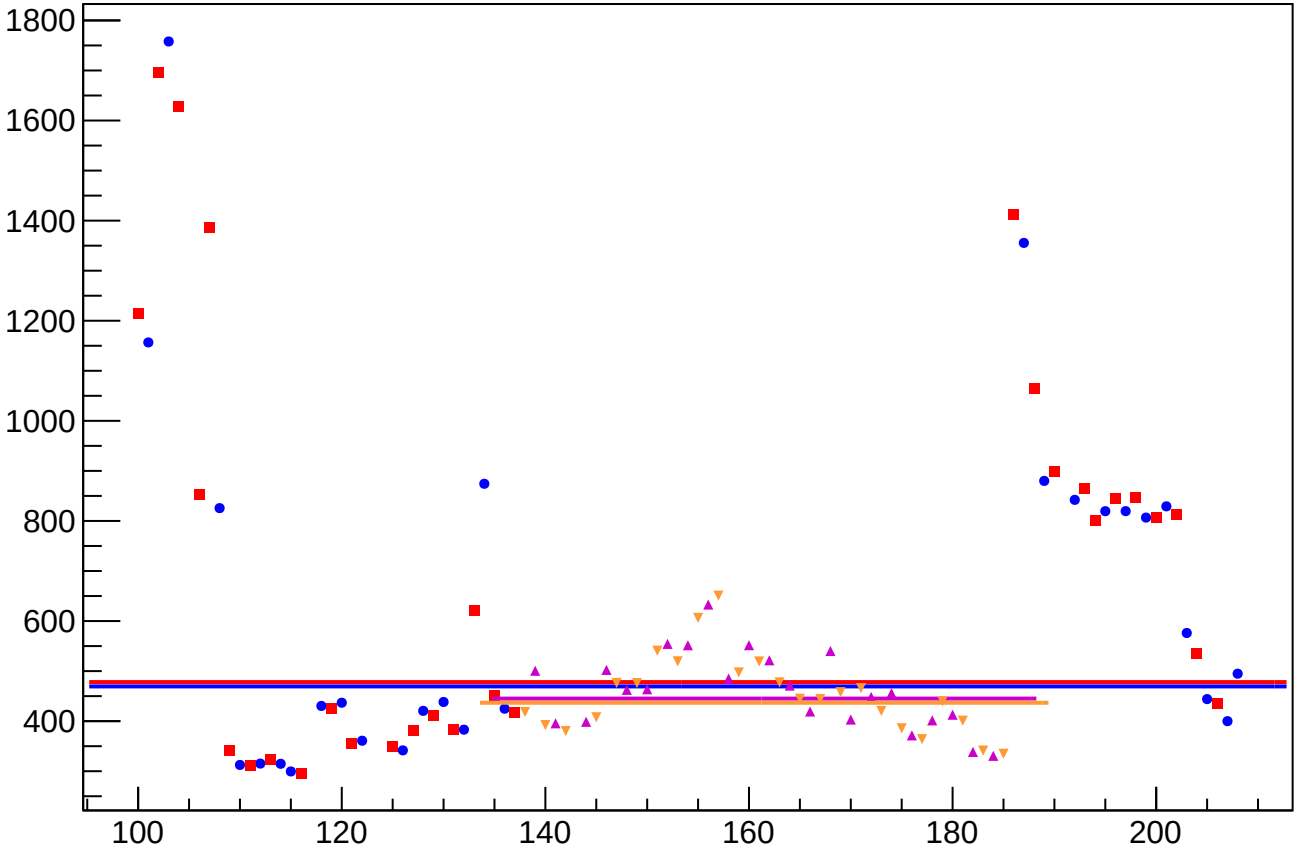
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -279.996+/-80.179 χ^2/NDF: 85.2/50

All: -155.425+/-57.513 χ^2/NDF: 146.1/102

- sign -23.398+/-82.544 χ^2/NDF: 55.9/51

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 469.391+/-0.090 χ^2/NDF: 4382038.0/26

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 478.075+/-0.094 χ^2/NDF: 5696007.9/28

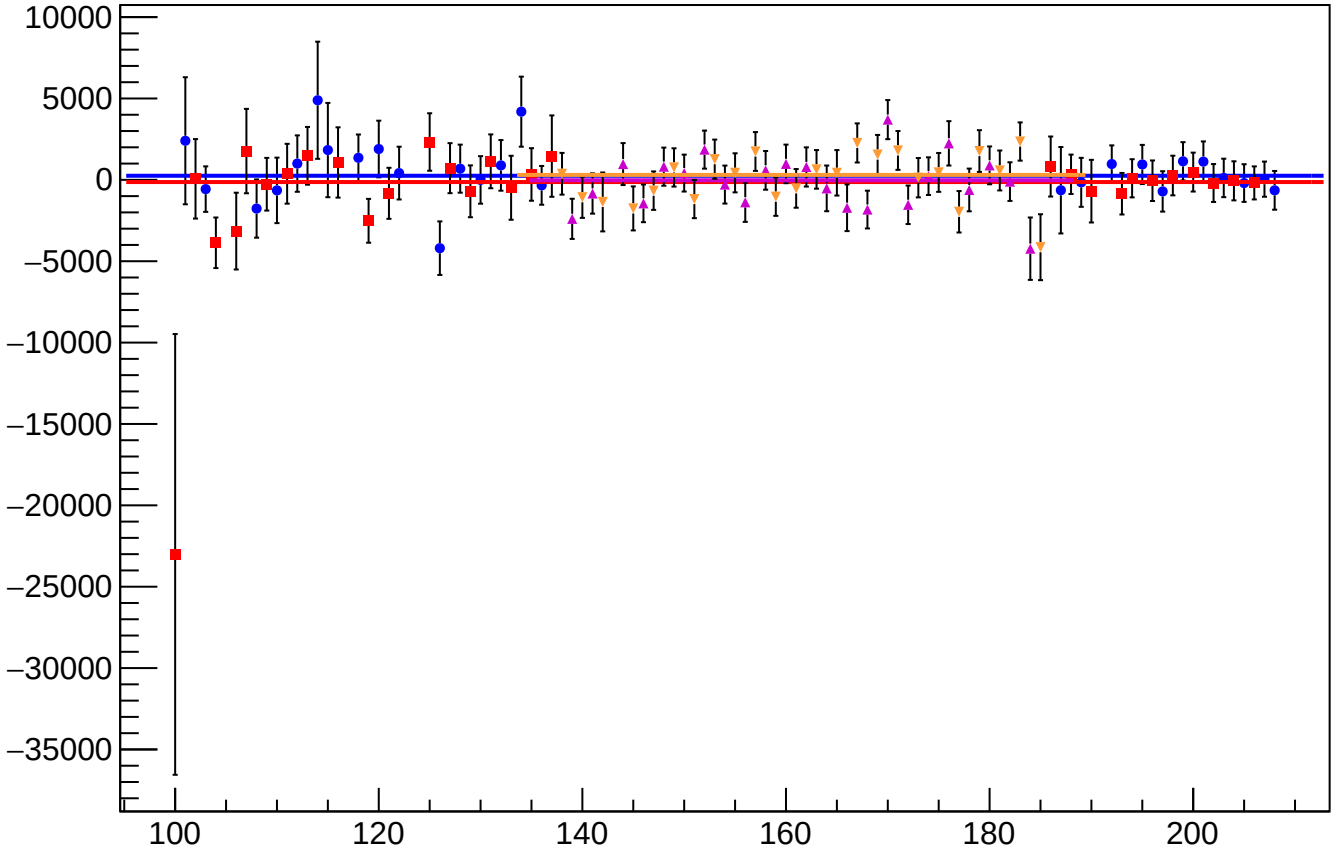
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 449.626+/-0.057 χ^2/NDF: 5316193.3/50

All: 453.625+/-0.041 χ^2/NDF: 11972655.4/10

- sign 457.864+/-0.058 χ^2/NDF: 6646213.4/51

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 251.585+/-281.981 χ^2/NDF: 20.3/26

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -134.447+/-284.029 χ^2/NDF: 20.1/28

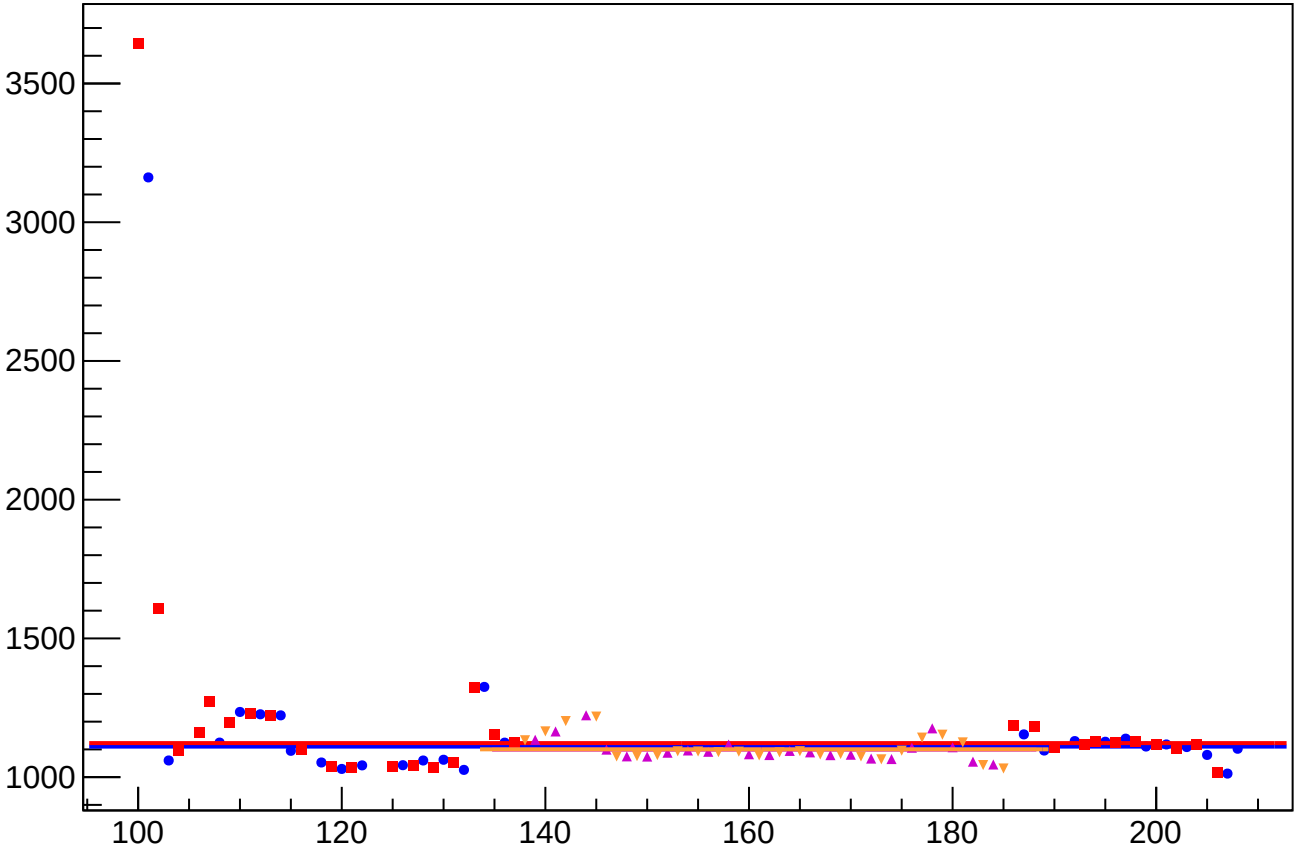
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 280.034+/-189.360 χ^2/NDF: 48.8/50

All: 103.885+/-134.304 χ^2/NDF: 106.5/102

- sign -74.417+/-190.513 χ^2/NDF: 56.0/51

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1110.101+/-0.199 χ^2/NDF: 638947.3/26

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

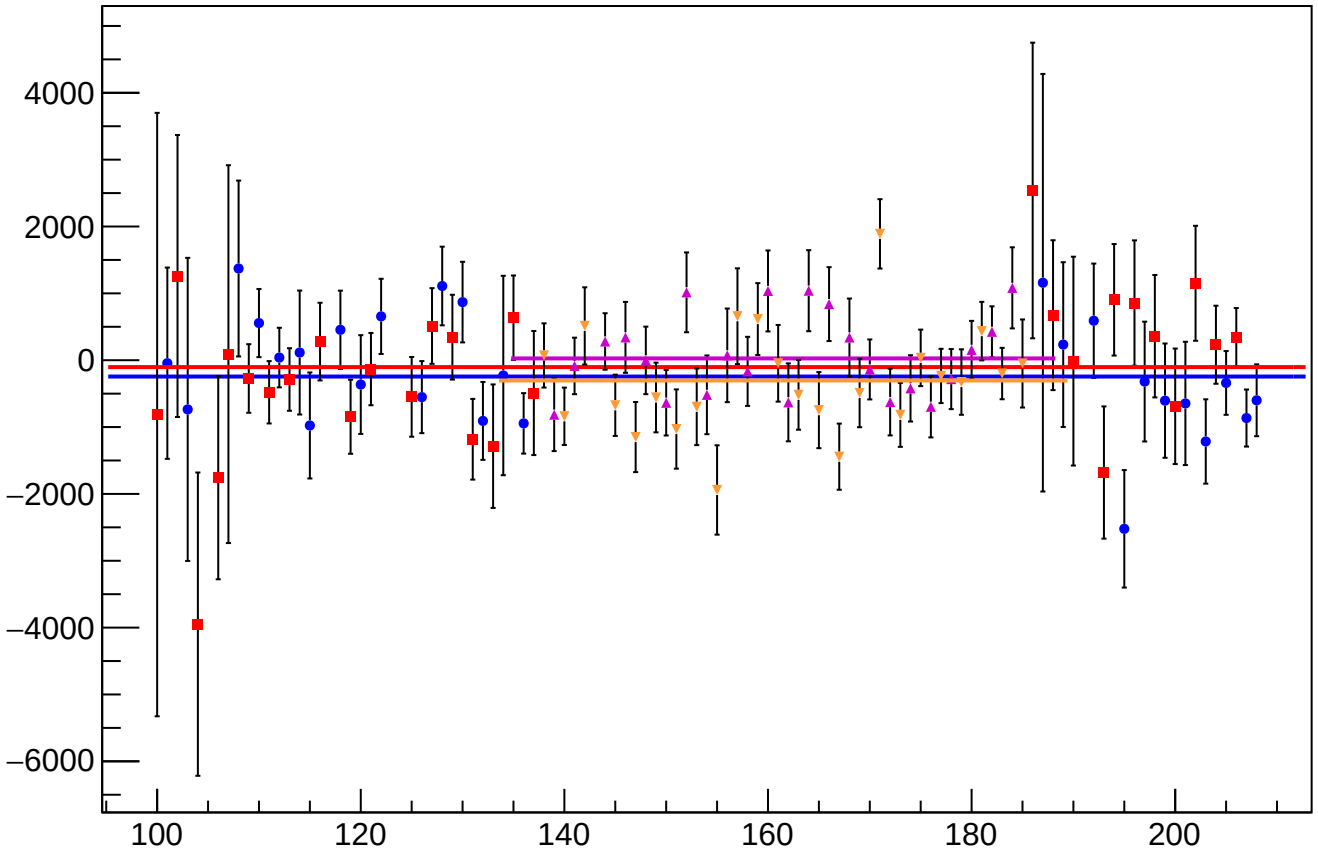
Right Out: 1122.714+/-0.201 χ^2/NDF: 258259.3/28

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1104.697+/-0.134 χ^2/NDF: 689059.7/50

All: 1107.261+/-0.095 χ^2/NDF: 1000292.6/10

- sign 1109.857+/-0.135 χ^2/NDF: 310494.8/51



Right In: -244.253+/-127.770 χ^2/NDF: 35.6/26

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

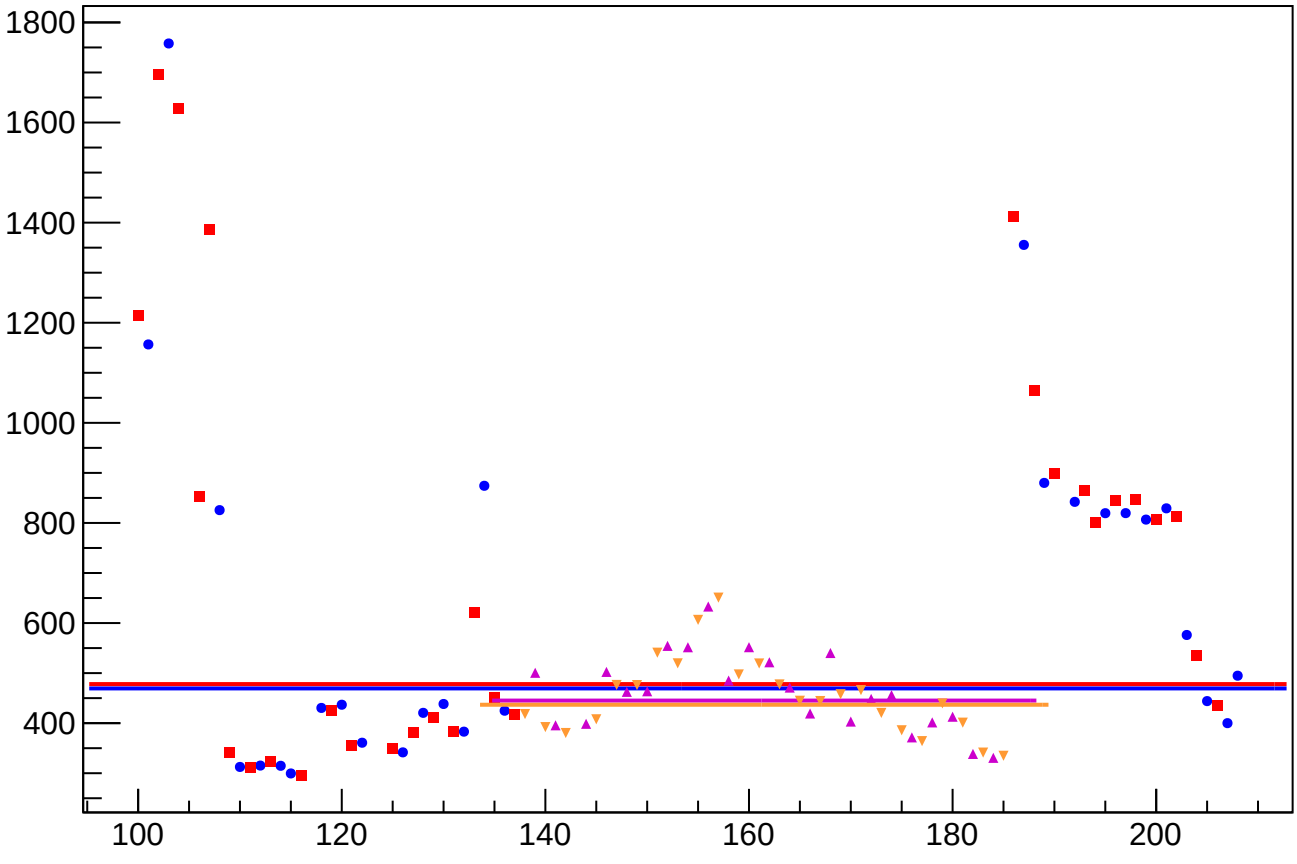
Right Out: -102.845+/-132.701 χ^2/NDF: 27.5/28

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -279.998+/-80.179 χ^2/NDF: 85.2/50

All: -155.426+/-57.513 χ^2/NDF: 146.1/102

- sign -23.399+/-82.544 χ^2/NDF: 55.9/51



Right In: 469.389+/-0.090 χ^2/NDF: 4382072.1/26

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 478.071+/-0.094 χ^2/NDF: 5696067.9/28

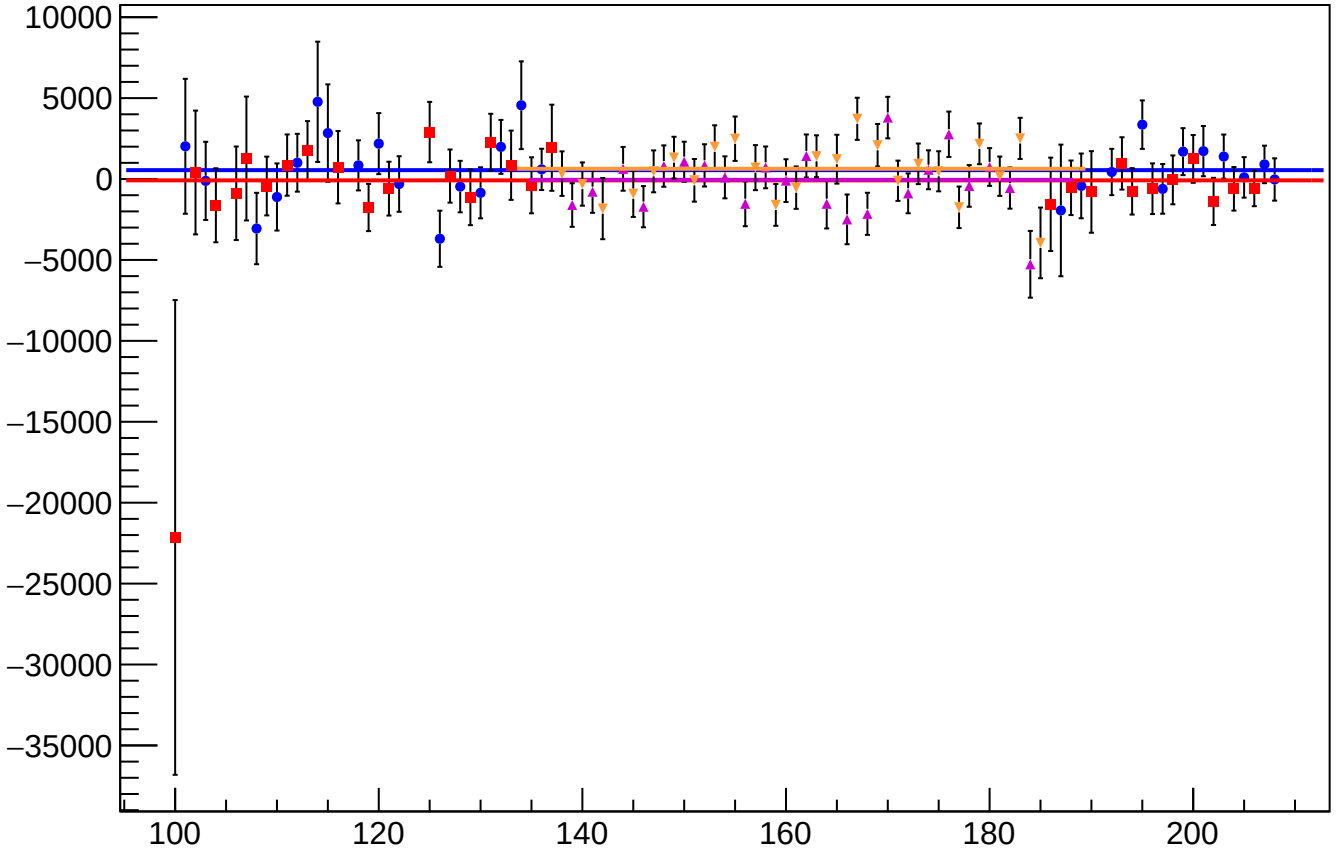
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 449.625+/-0.057 χ^2/NDF: 5316247.6/50

All: 453.624+/-0.041 χ^2/NDF: 11972789.3/10

- sign 457.862+/-0.058 χ^2/NDF: 6646293.9/51

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 548.445+/-324.382 χ^2/NDF: 23.3/26

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -82.810+/-332.714 χ^2/NDF: 14.5/28

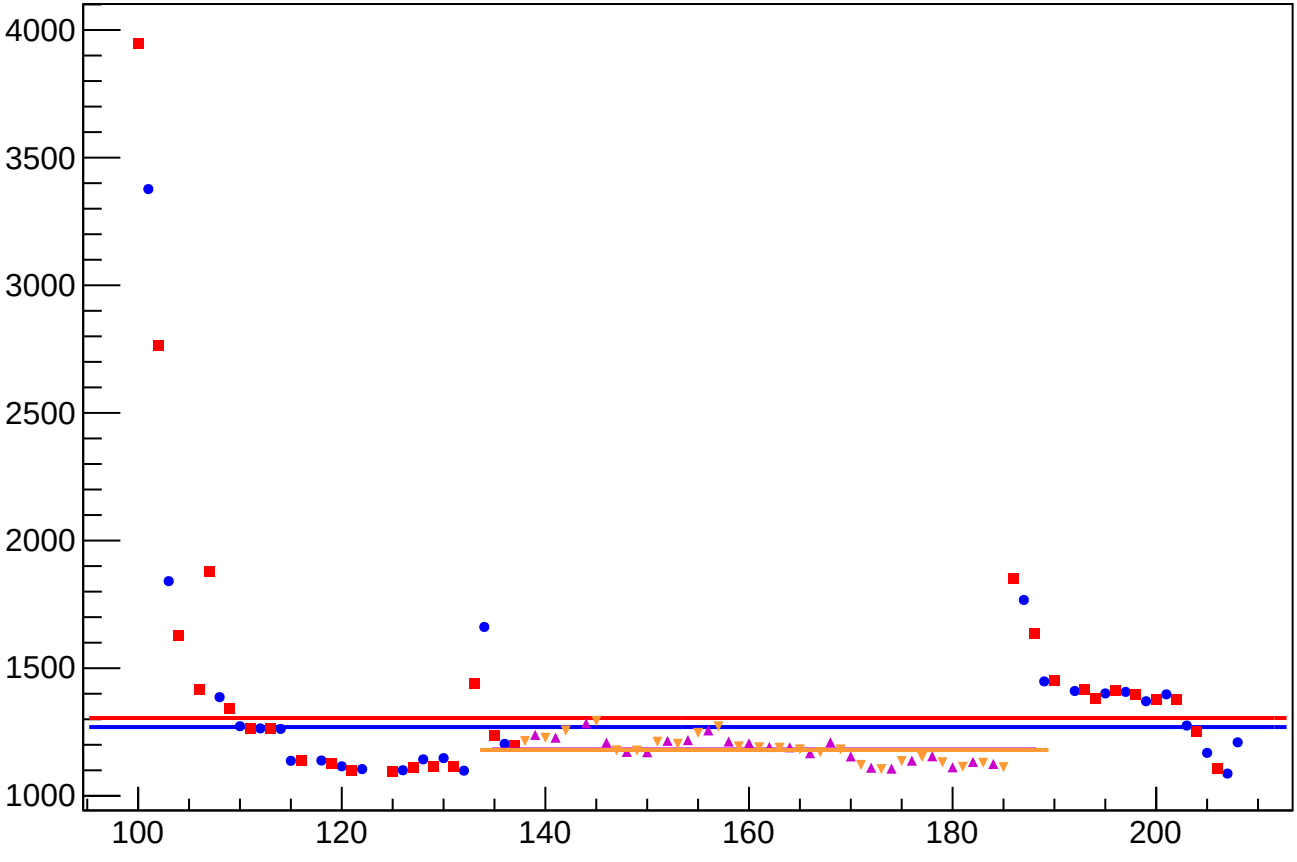
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 597.710+/-209.346 χ^2/NDF: 53.5/50

All: 271.893+/-149.140 χ^2/NDF: 107.9/102

- sign -63.881+/-212.522 χ^2/NDF: 49.5/51

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1269.445+/-0.229 χ^2/NDF: 977294.8/26

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

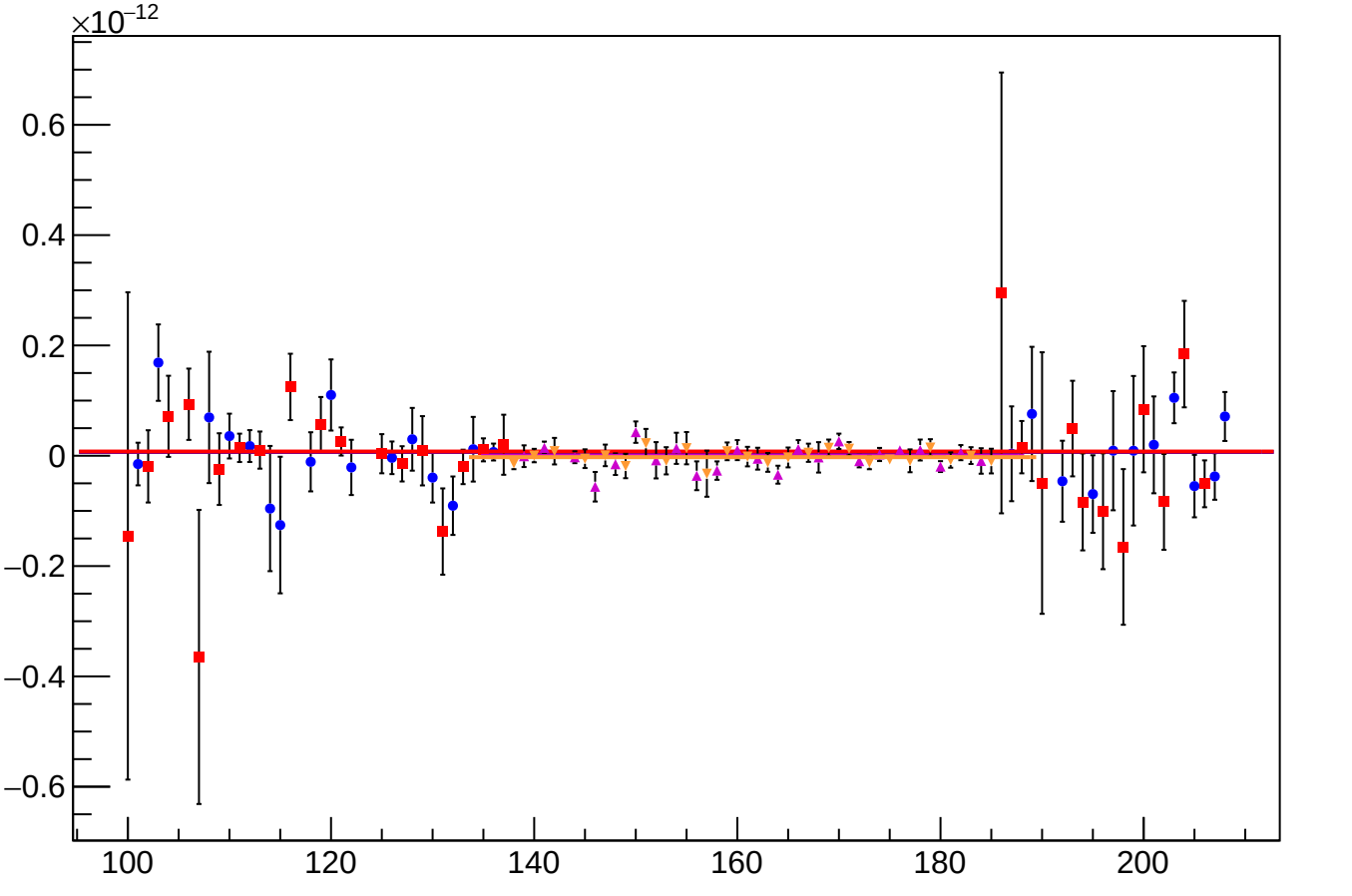
Right Out: 1304.982+/-0.235 χ^2/NDF: 899731.9/28

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

+ sign 1217.087+/-0.148 χ^2/NDF: 1131261.9/50

All: 1224.498+/-0.105 χ^2/NDF: 2258392.7/10

- sign 1232.135+/-0.150 χ^2/NDF: 1122041.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

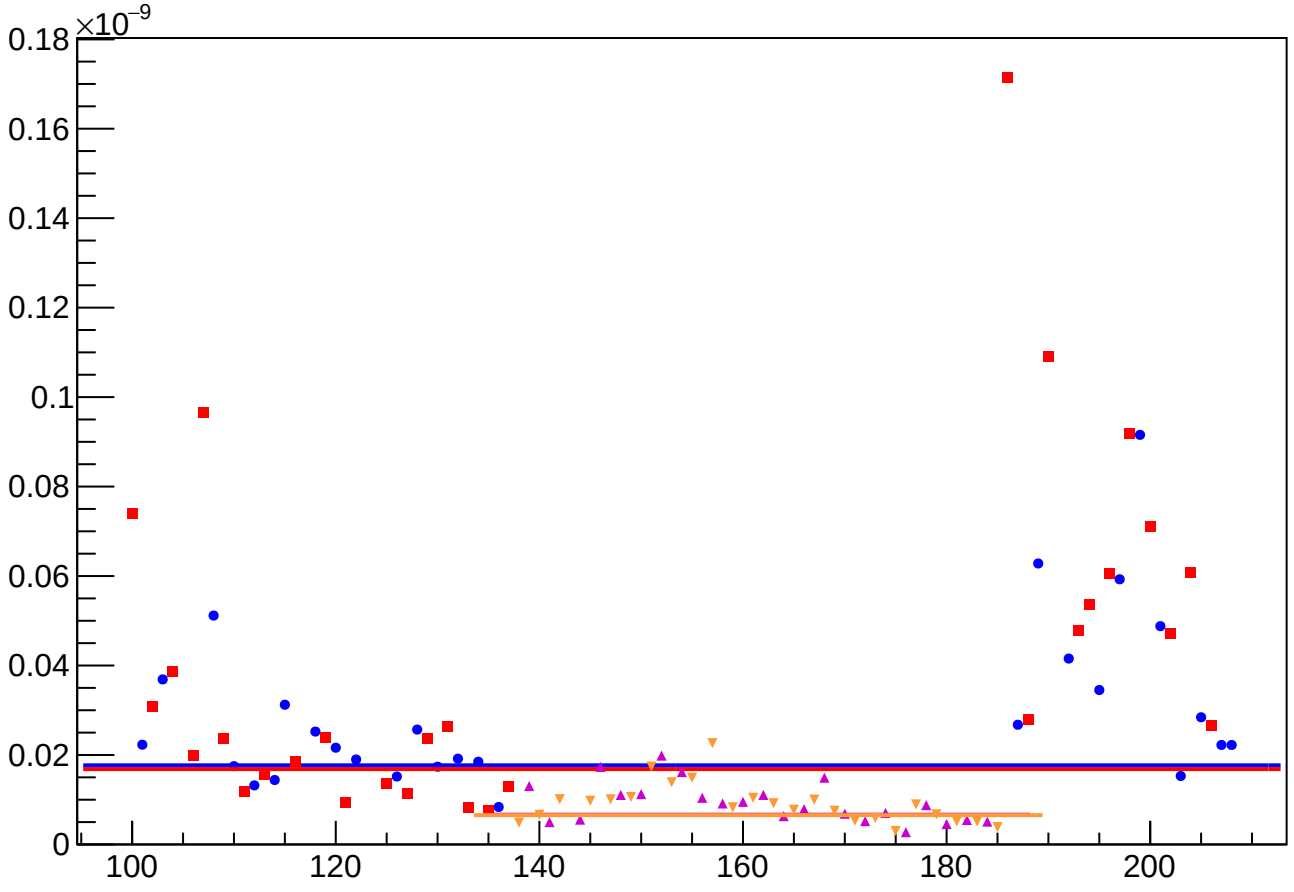
Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/28

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.9/50

All: -0.000+/-0.000 χ^2/NDF: 98.9/102

- sign 0.000+/-0.000 χ^2/NDF: 59.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 3145507.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

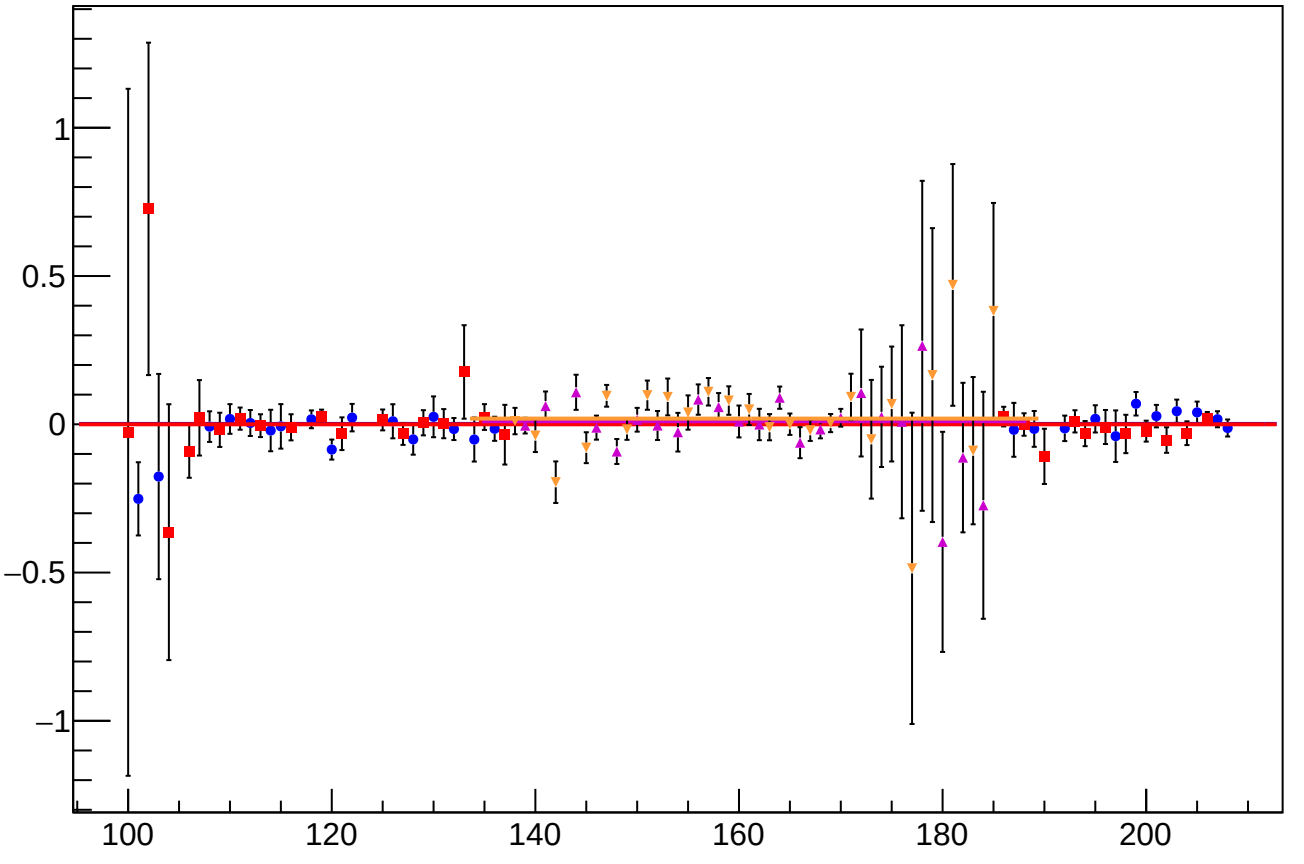
Right Out: 0.000+/-0.000 χ^2/NDF: 4941573.7/28

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8453128.3/50

All: 0.000+/-0.000 χ^2/NDF: 18367596.6/102

- sign 0.000+/-0.000 χ^2/NDF: 9914461.2/51



Right In: 0.001+/-0.009 χ^2/NDF: 20.7/26

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

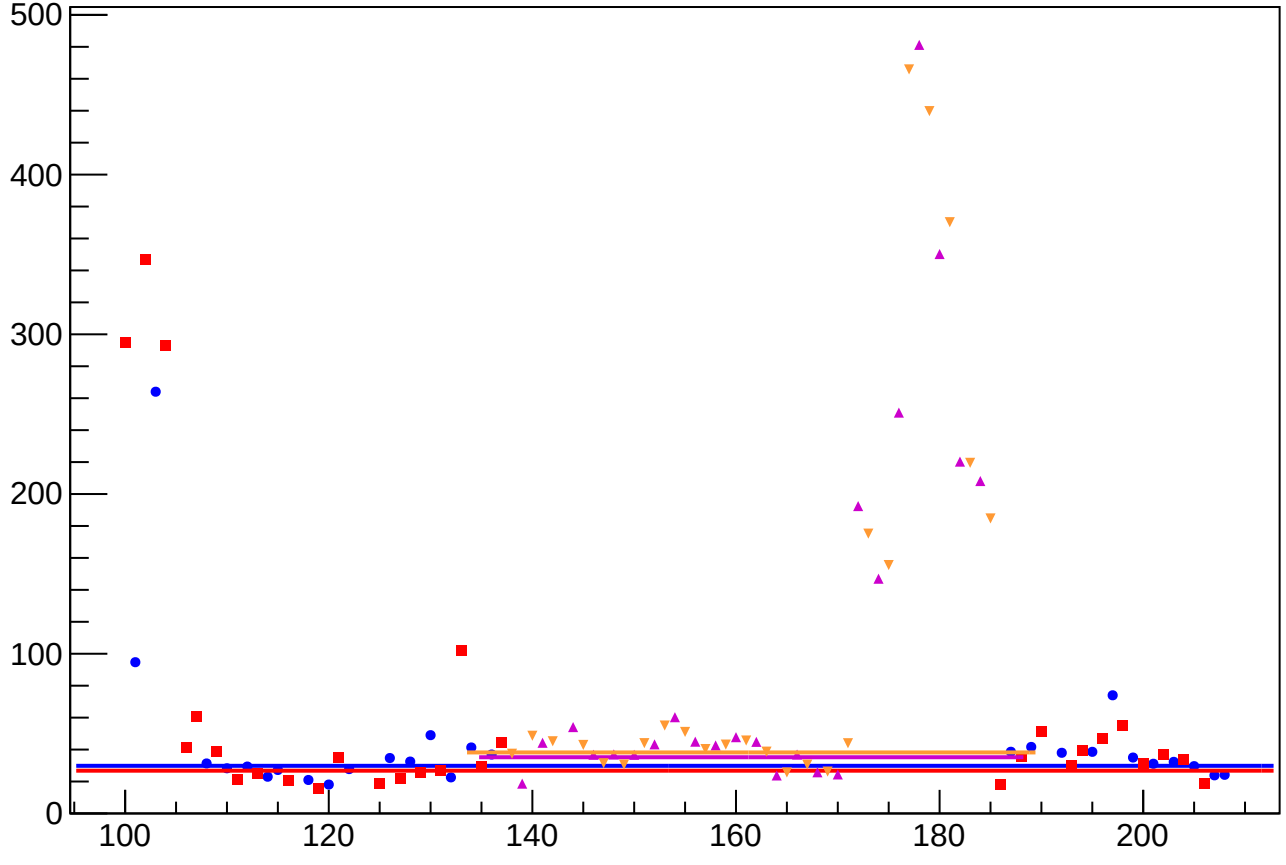
Right Out: 0.000+/-0.008 χ^2/NDF: 14.2/28

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.008+/-0.007 χ^2/NDF: 58.4/50

All: 0.006+/-0.005 χ^2/NDF: 97.1/102

- sign 0.004+/-0.006 χ^2/NDF: 38.5/51



Right In: 29.830+/-0.006 χ^2/NDF: 3247408.3/26

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

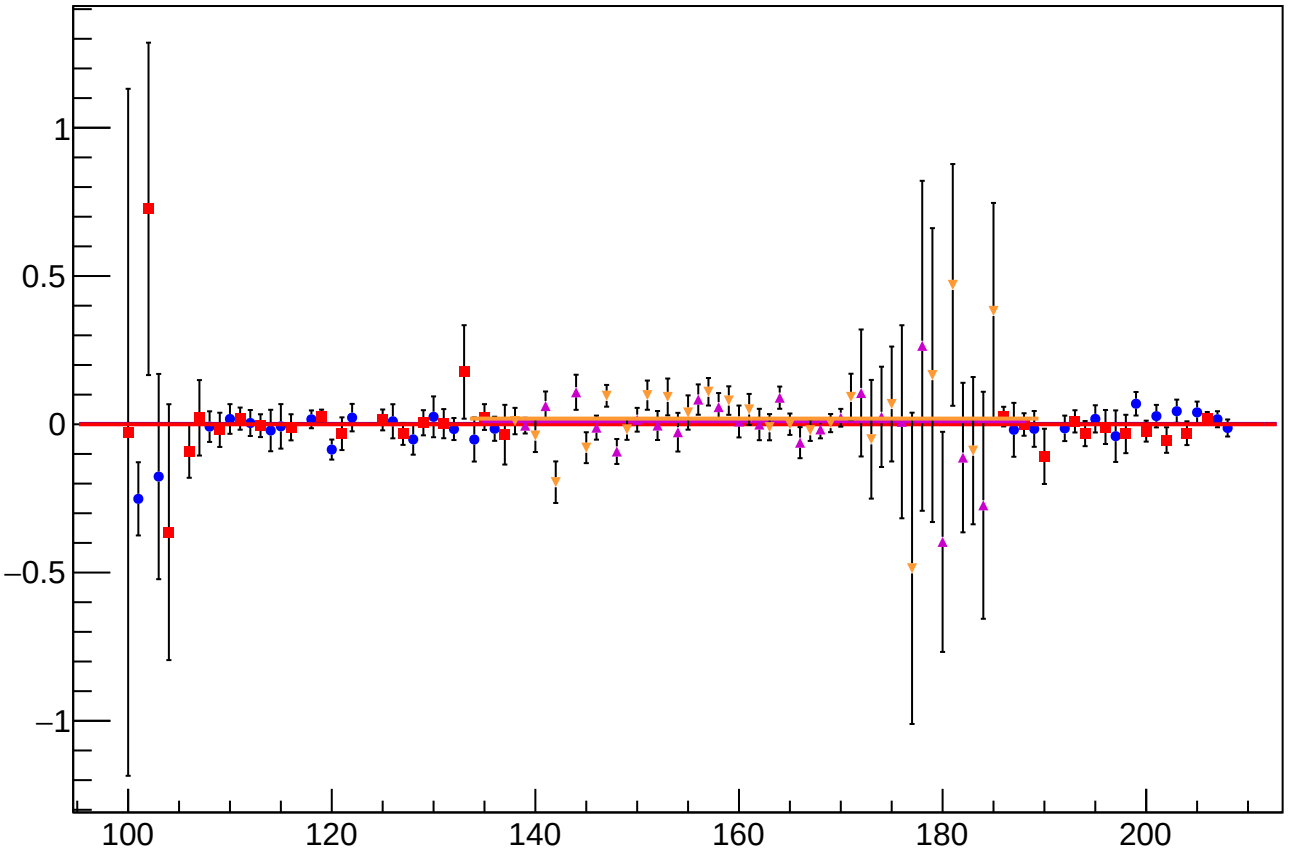
Right Out: 26.784+/-0.006 χ^2/NDF: 4696567.8/28

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 33.088+/-0.005 χ^2/NDF: 12267593.8/50

All: 31.452+/-0.003 χ^2/NDF: 27407419.4/102

- sign 30.000+/-0.004 χ^2/NDF: 14917268.1/51



Right In: 0.001+/-0.009 χ^2/NDF: 20.7/26

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

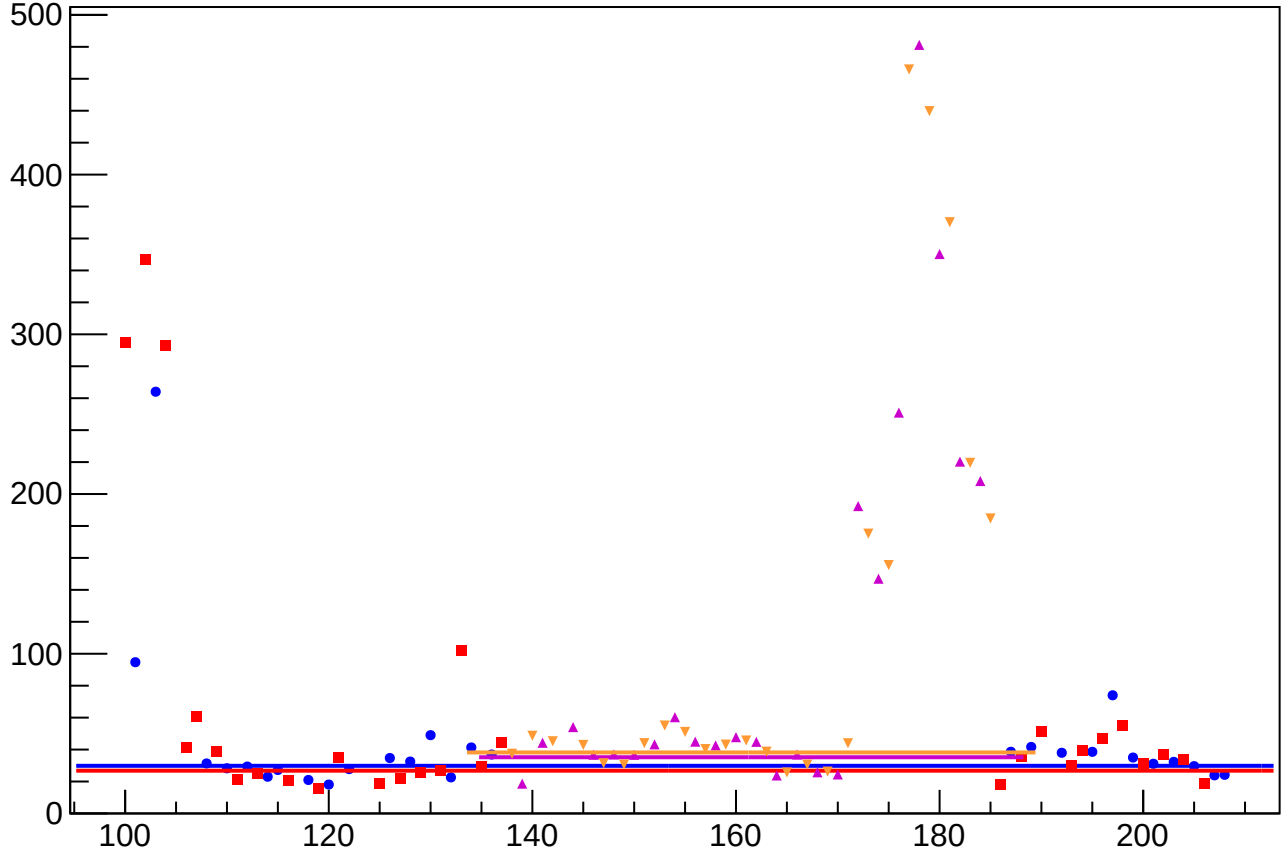
Right Out: 0.000+/-0.008 χ^2/NDF: 14.2/28

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.008+/-0.007 χ^2/NDF: 58.4/50

All: 0.006+/-0.005 χ^2/NDF: 97.1/102

- sign 0.004+/-0.006 χ^2/NDF: 38.5/51



Right In: 29.830+/-0.006 χ^2/NDF: 3247408.3/26

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

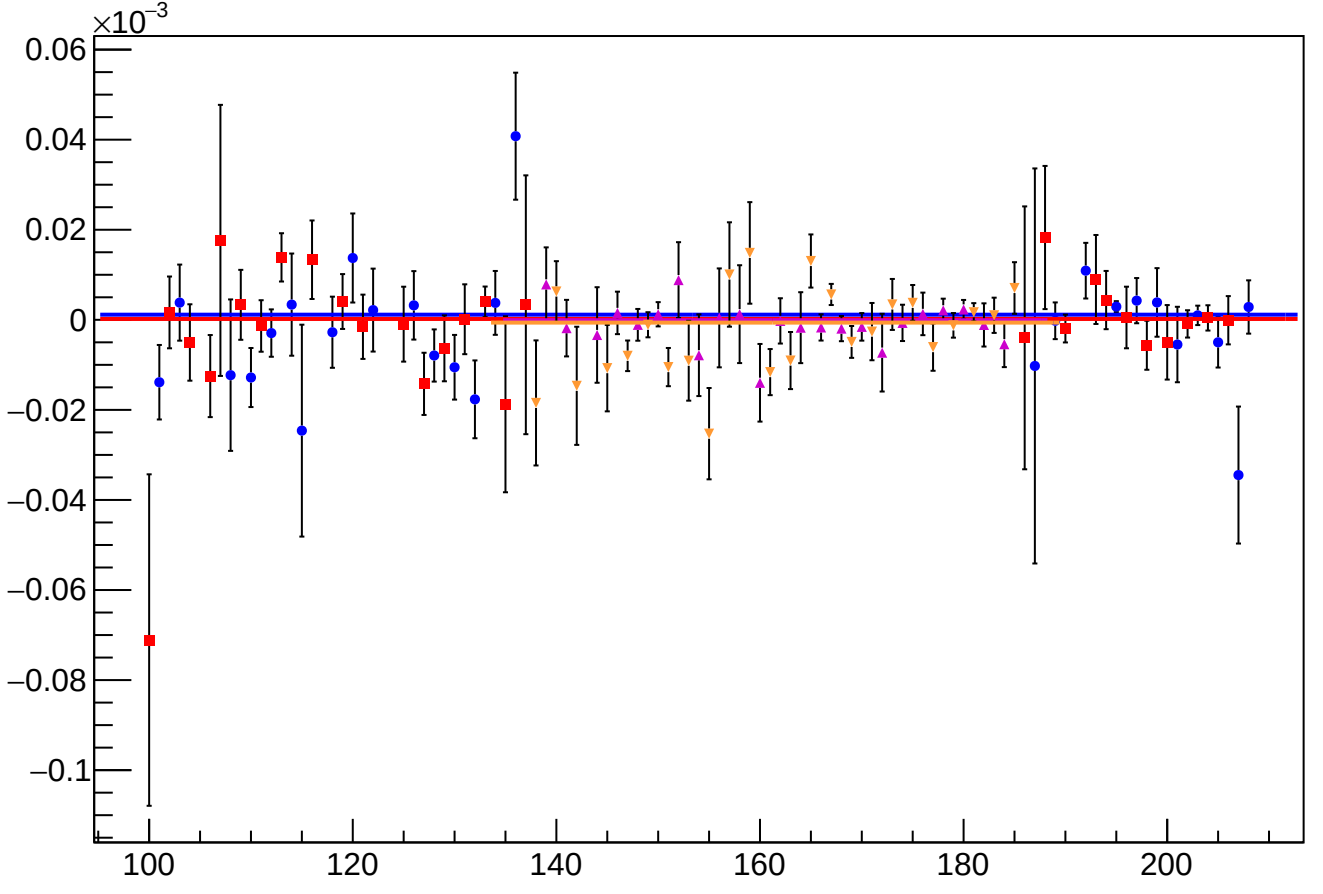
Right Out: 26.784+/-0.006 χ^2/NDF: 4696567.8/28

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 33.088+/-0.005 χ^2/NDF: 12267593.8/50

All: 31.452+/-0.003 χ^2/NDF: 27407419.4/102

- sign 30.000+/-0.004 χ^2/NDF: 14917268.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 42.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

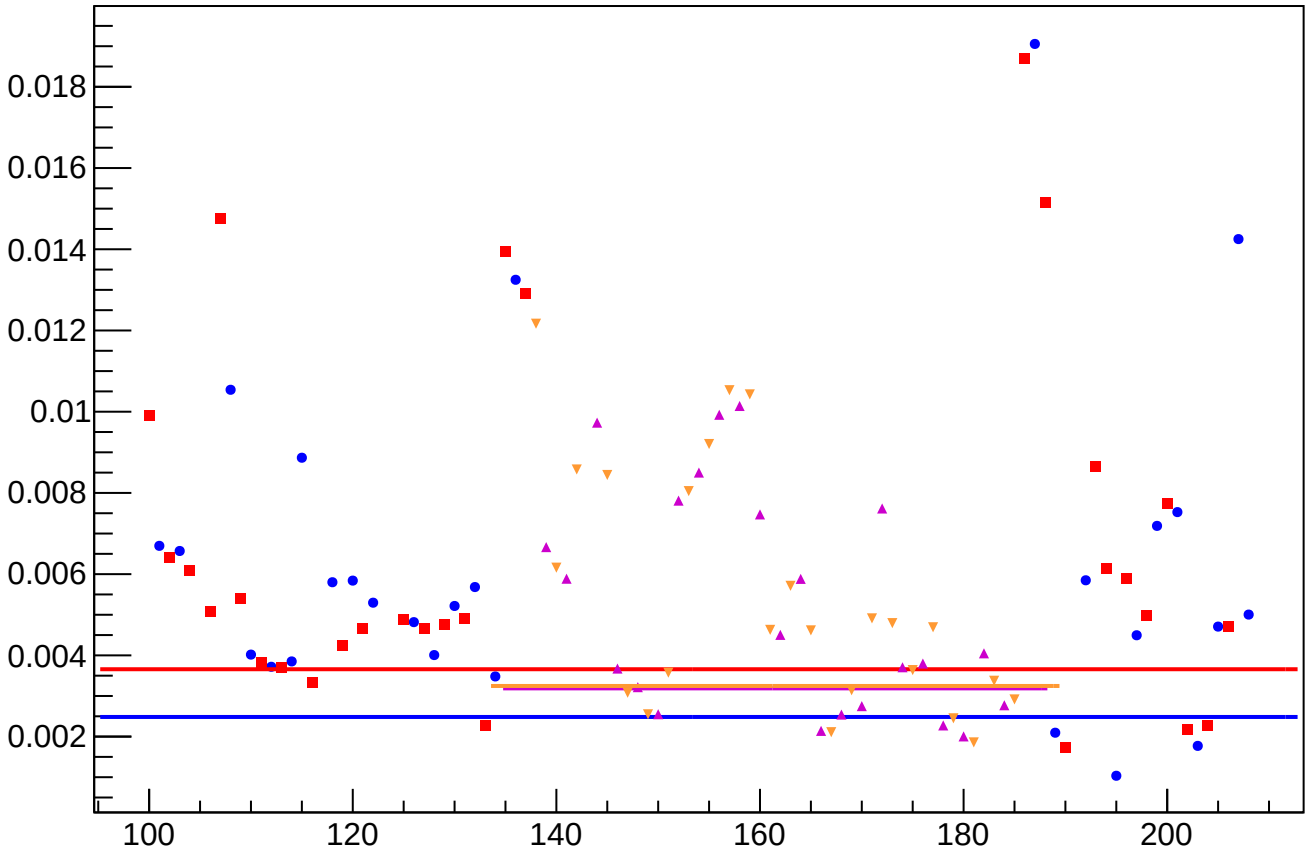
Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/28

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 96.2/50

All: 0.000+/-0.000 χ^2/NDF: 135.3/102

- sign 0.000+/-0.000 χ^2/NDF: 39.0/51



Right In: 0.002+/-0.000 χ^2/NDF: 12326798.6/26

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

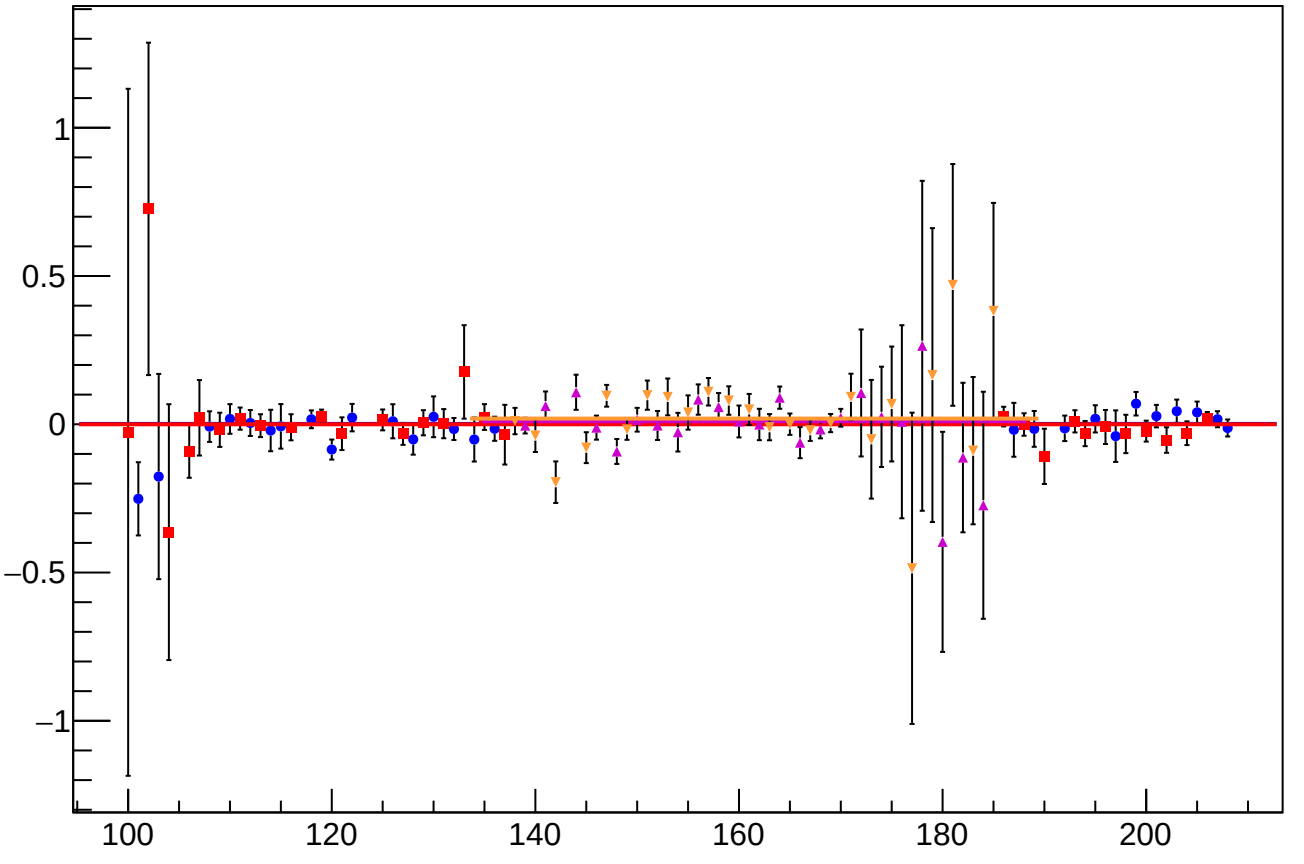
Right Out: 0.004+/-0.000 χ^2/NDF: 7237083.3/28

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 20846636.8/50

All: 0.003+/-0.000 χ^2/NDF: 36227136.4/102

- sign 0.003+/-0.000 χ^2/NDF: 14767446.8/51



Right In: 0.001+/-0.009 χ^2/NDF: 20.7/26

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

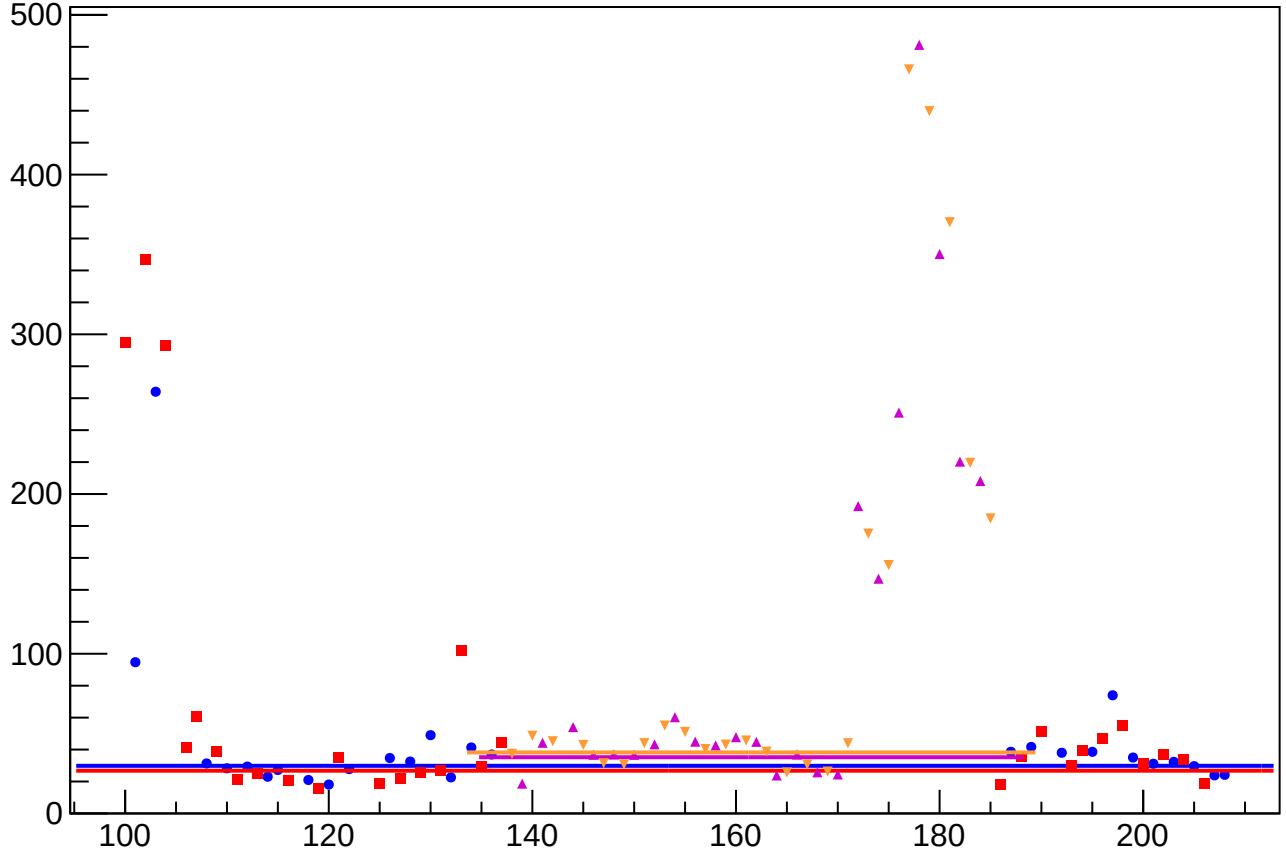
Right Out: 0.000+/-0.008 χ^2/NDF: 14.2/28

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

\+ sign 0.008+/-0.007 χ^2/NDF: 58.4/50

All: 0.006+/-0.005 χ^2/NDF: 97.1/102

\- sign 0.004+/-0.006 χ^2/NDF: 38.5/51



Right In: 29.829+/-0.006 χ^2/NDF: 3247682.9/26

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

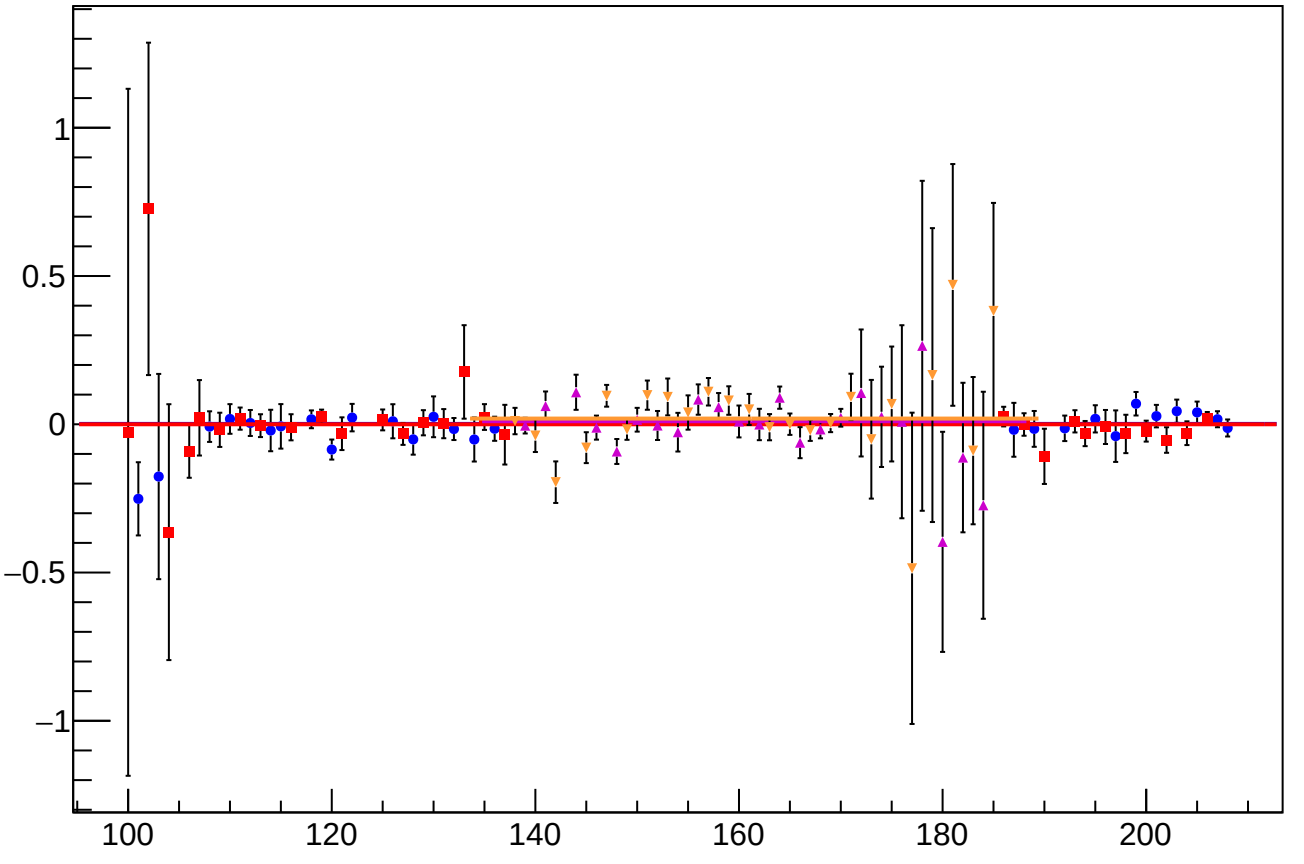
Right Out: 26.782+/-0.006 χ^2/NDF: 4696805.9/28

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 33.087+/-0.005 χ^2/NDF: 12268240.1/50

All: 31.451+/-0.003 χ^2/NDF: 27409028.8/102

- sign 29.999+/-0.004 χ^2/NDF: 14918201.1/51



Right In: 0.001+/-0.009 χ^2/NDF: 20.7/26

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

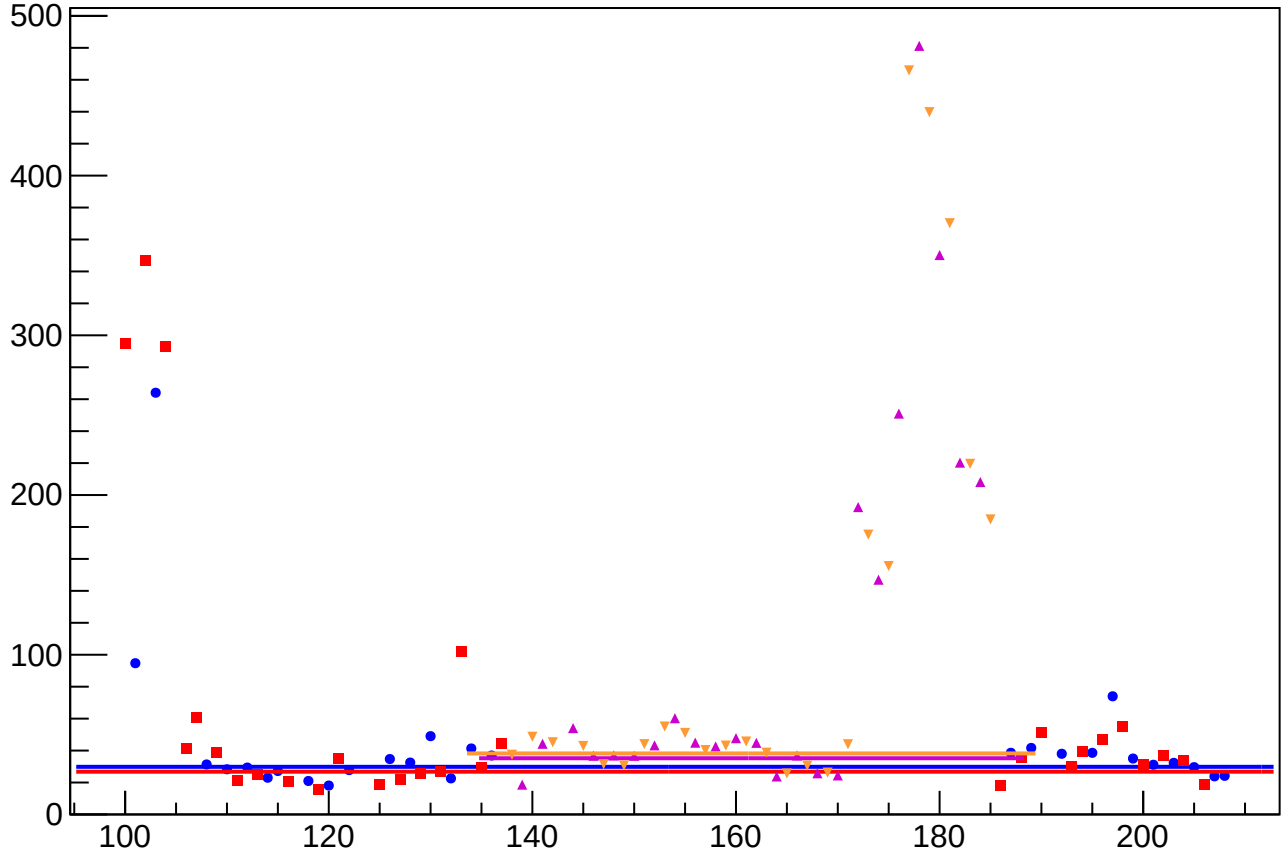
Right Out: 0.000+/-0.008 χ^2/NDF: 14.2/28

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.008+/-0.007 χ^2/NDF: 58.4/50

All: 0.006+/-0.005 χ^2/NDF: 97.1/102

- sign 0.004+/-0.006 χ^2/NDF: 38.5/51



Right In: 29.829+/-0.006 χ^2/NDF: 3247682.9/26

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

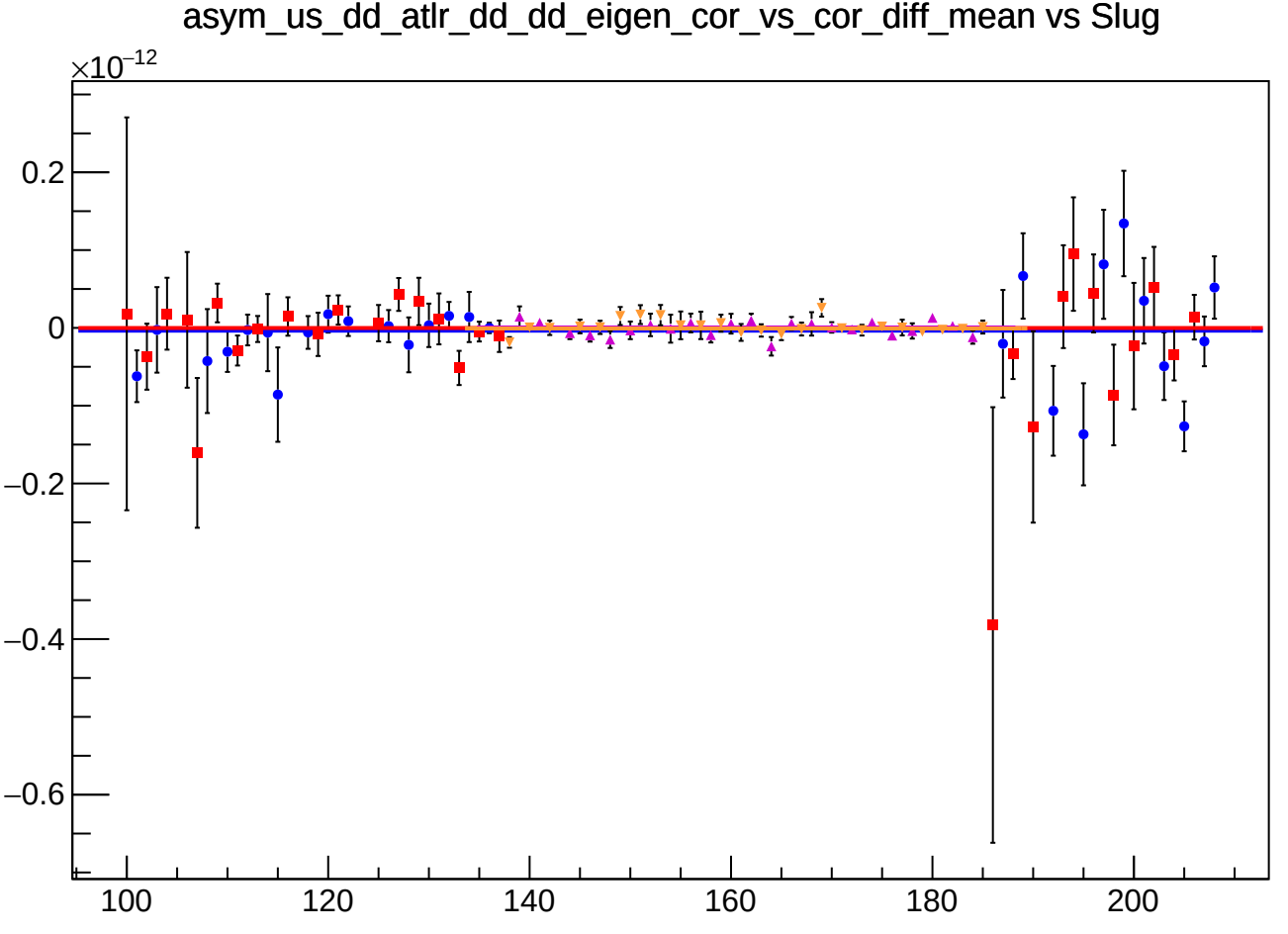
Right Out: 26.782+/-0.006 χ^2/NDF: 4696805.9/28

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 33.087+/-0.005 χ^2/NDF: 12268240.1/50

All: 31.451+/-0.003 χ^2/NDF: 27409028.8/102

- sign 29.999+/-0.004 χ^2/NDF: 14918201.1/51



Right In: -0.000+/-0.000 χ^2/NDF: 42.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

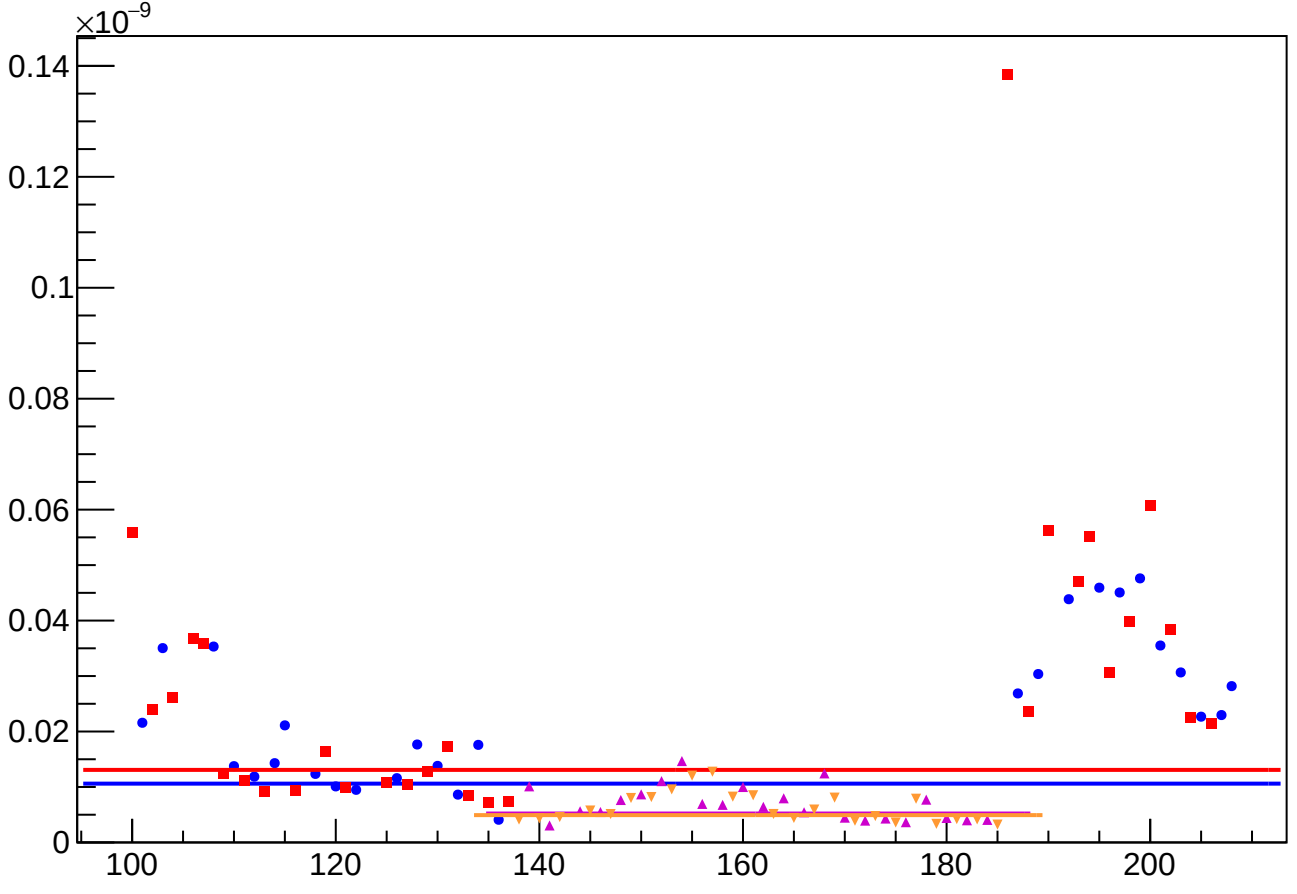
Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/28

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.2/50

All: -0.000+/-0.000 χ^2/NDF: 122.9/102

- sign 0.000+/-0.000 χ^2/NDF: 58.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 7636862.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5743302.4/28

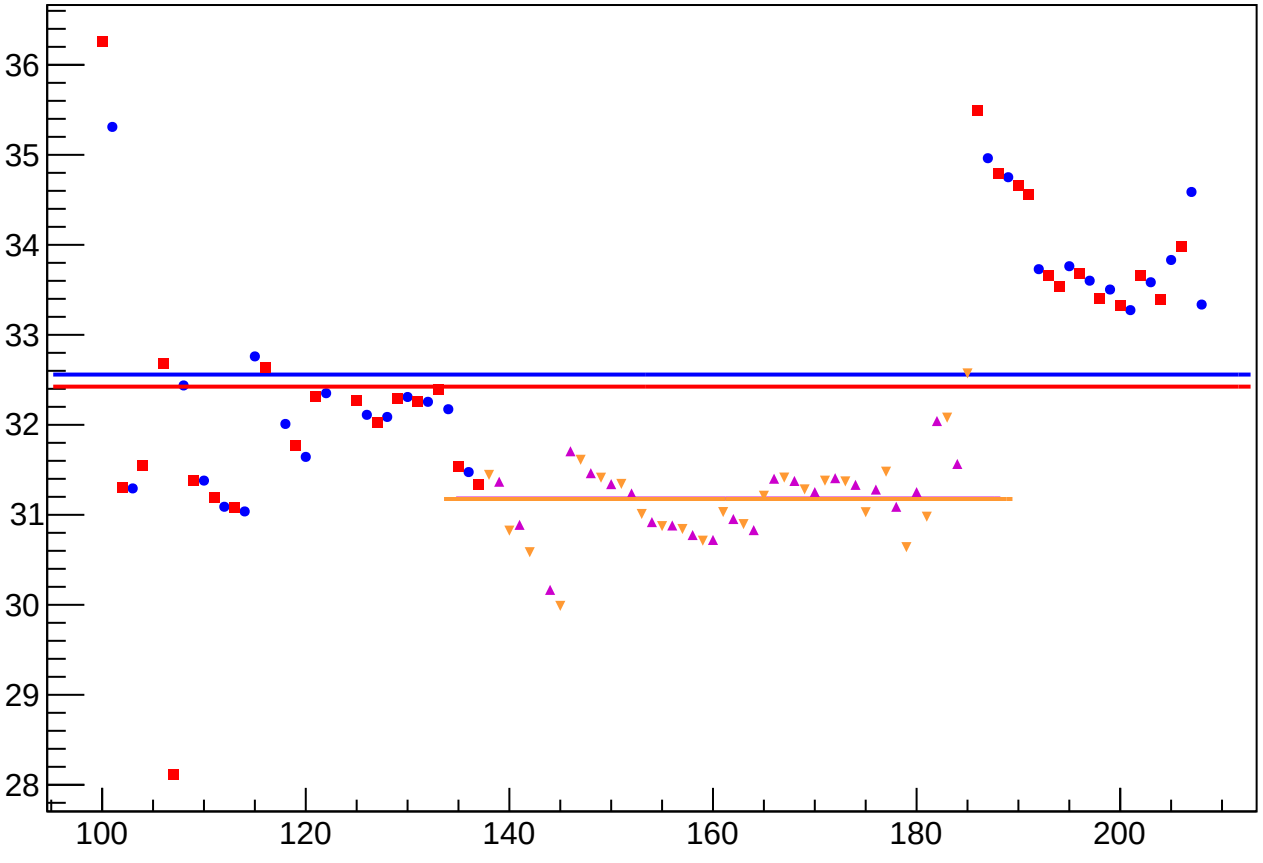
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13070286.7/50

All: 0.000+/-0.000 χ^2/NDF: 26424186.6/102

- sign 0.000+/-0.000 χ^2/NDF: 13291396.4/51

yield_usl_mean vs Slug



Right In: 32.559+/-0.000 χ^2/NDF: 2237496636.6/26

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.424+/-0.000 χ^2/NDF: 2005075442.2/29

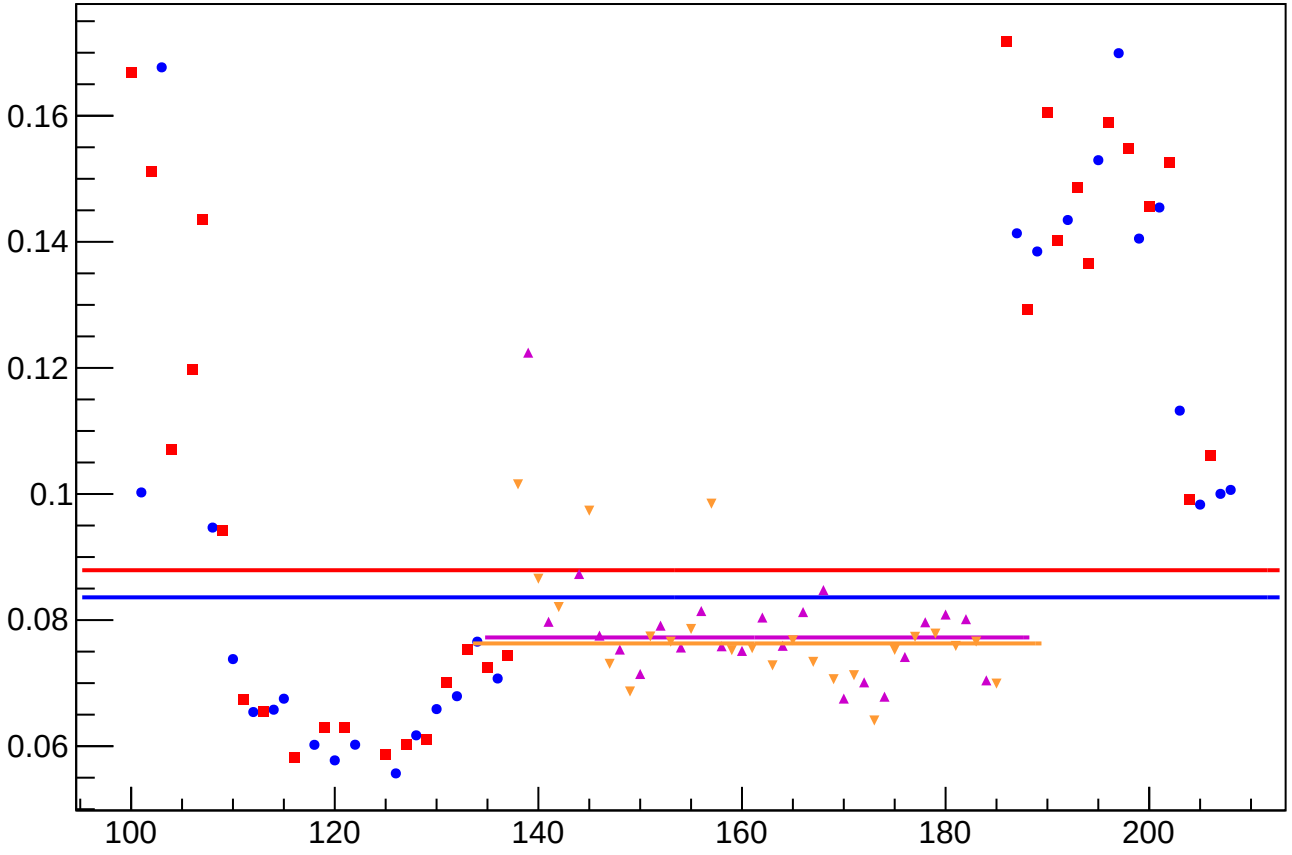
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.722+/-0.000 χ^2/NDF: 4940333651.2/50

All: 31.691+/-0.000 χ^2/NDF: 8977272412.3/1

- sign 31.659+/-0.000 χ^2/NDF: 4027705598.9/52

yield_usl_rms vs Slug



Right In: 0.084+/-0.000 χ^2/NDF: 3444257.4/26

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.088+/-0.000 χ^2/NDF: 3939244.9/29

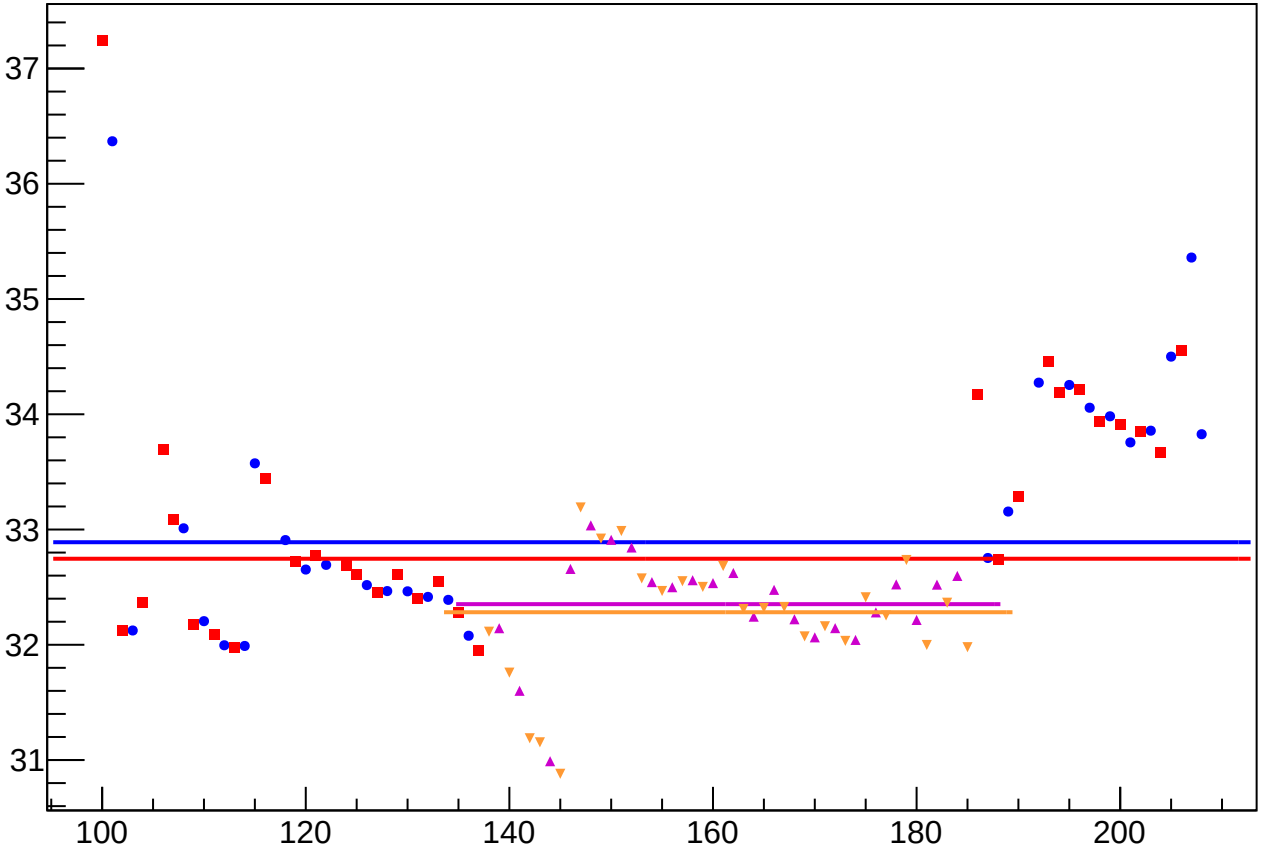
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.079+/-0.000 χ^2/NDF: 3922540.4/50

All: 0.080+/-0.000 χ^2/NDF: 8490718.7/103

- sign 0.081+/-0.000 χ^2/NDF: 4546591.9/52

yield_usr_mean vs Slug



Right In: 32.890+/-0.000 χ^2/NDF: 1141028933.3/26

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.747+/-0.000 χ^2/NDF: 529551502.6/29

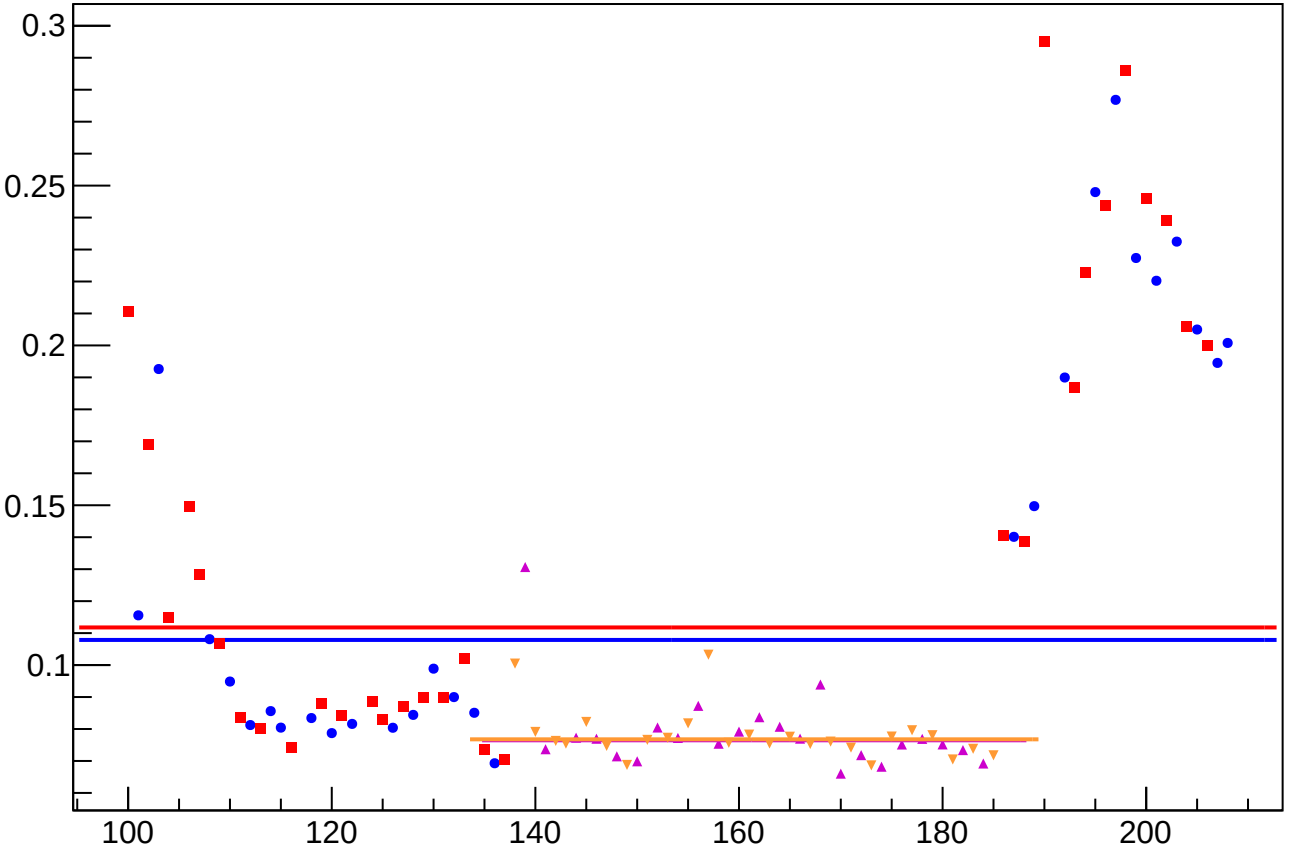
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.438+/-0.000 χ^2/NDF: 2263550808.9/51

All: 32.446+/-0.000 χ^2/NDF: 3498439868.9/1

- sign 32.454+/-0.000 χ^2/NDF: 1234391137.9/52

yield_usr_rms vs Slug



Right In: 0.108+/-0.000 χ^2/NDF: 5350339.0/26

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.112+/-0.000 χ^2/NDF: 5163159.9/29

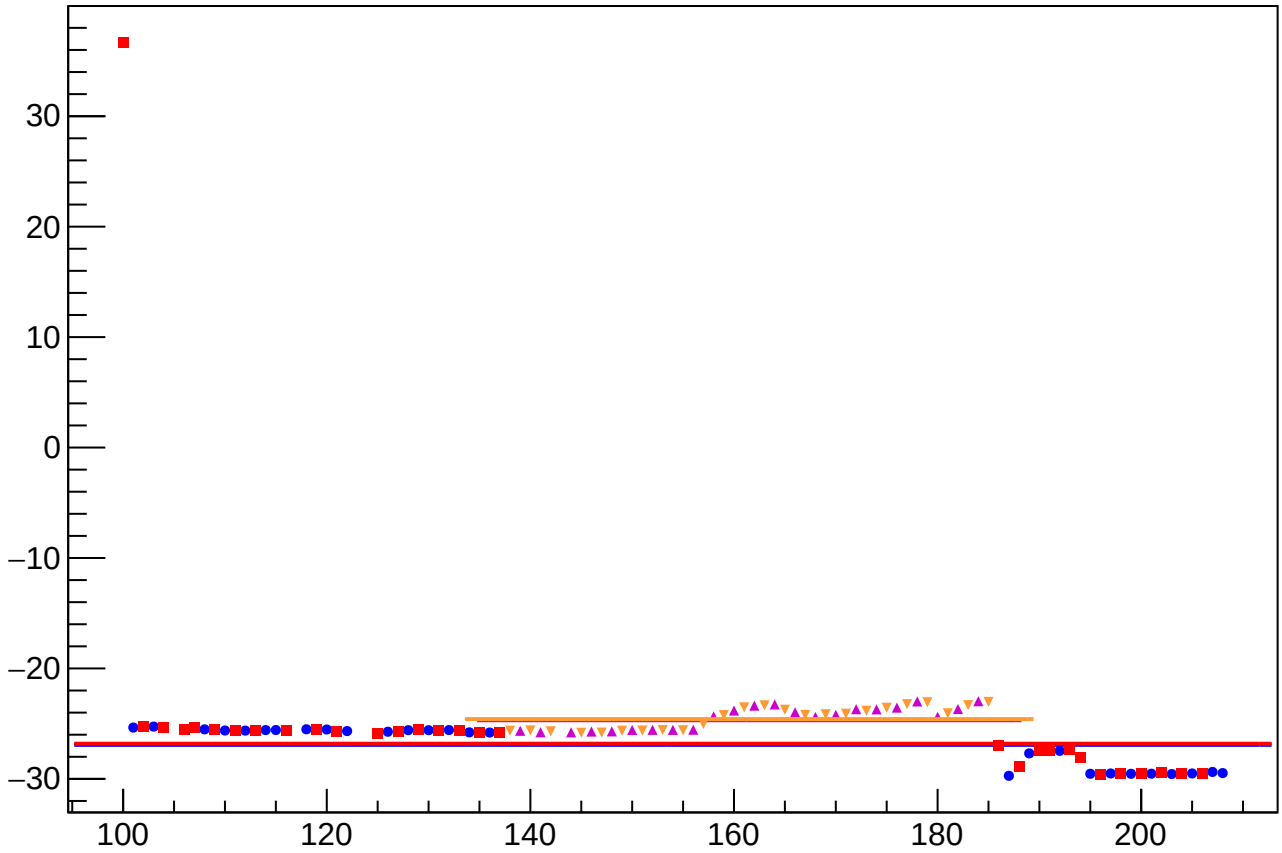
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.085+/-0.000 χ^2/NDF: 7087342.9/51

All: 0.085+/-0.000 χ^2/NDF: 14581638.9/104

- sign 0.086+/-0.000 χ^2/NDF: 7491660.1/52

yield_dsl_mean vs Slug



Right In: -26.916+/-0.000 χ^2/NDF: 21013094984.3/26

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.817+/-0.000 χ^2/NDF: 27859199827.2/29

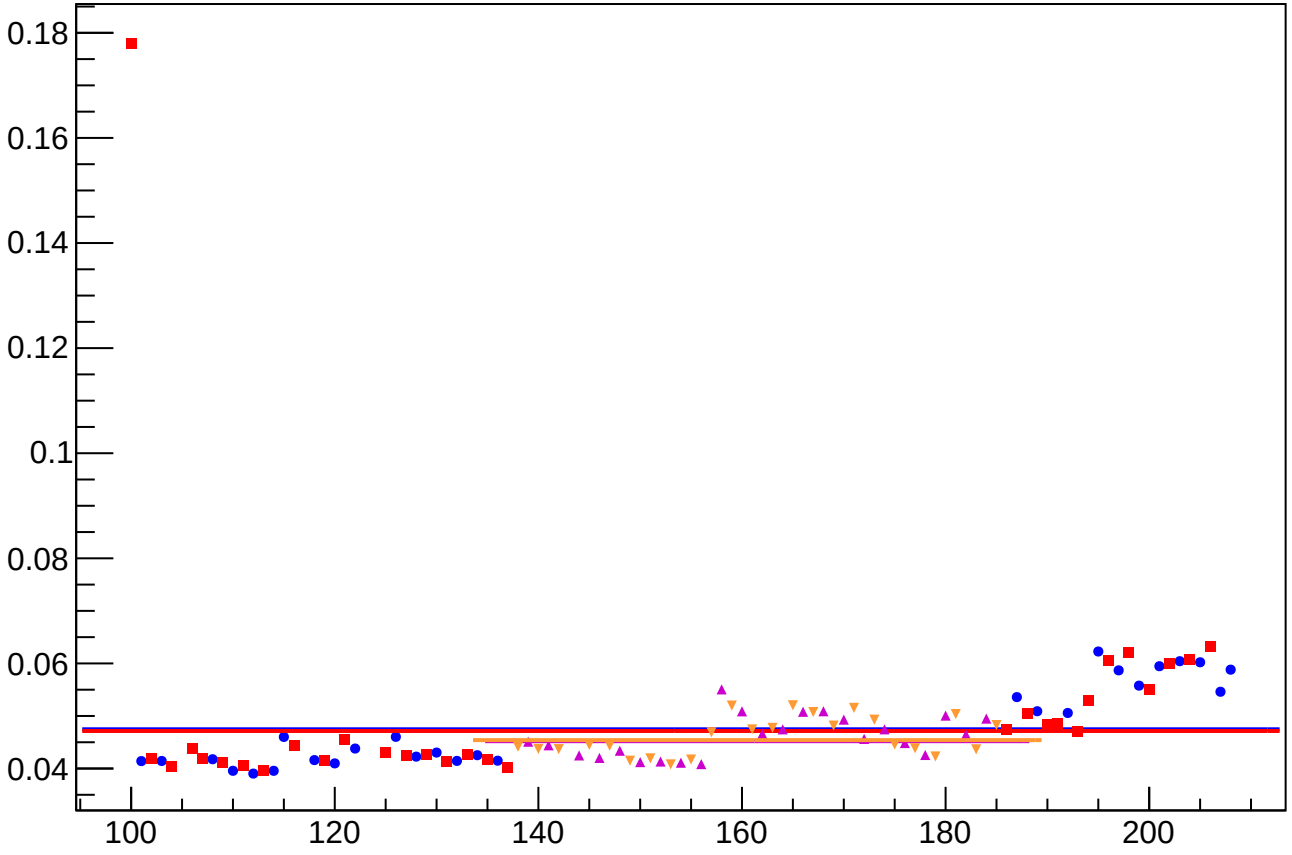
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.596+/-0.000 χ^2/NDF: 50701050662.4/50

All: -25.615+/-0.000 χ^2/NDF: 104928025806

- sign -25.634+/-0.000 χ^2/NDF: 54215255142.2/52

yield_dsl_rms vs Slug



Right In: 0.047+/-0.000 χ^2/NDF: 800670.7/26

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.047+/-0.000 χ^2/NDF: 843336.9/29

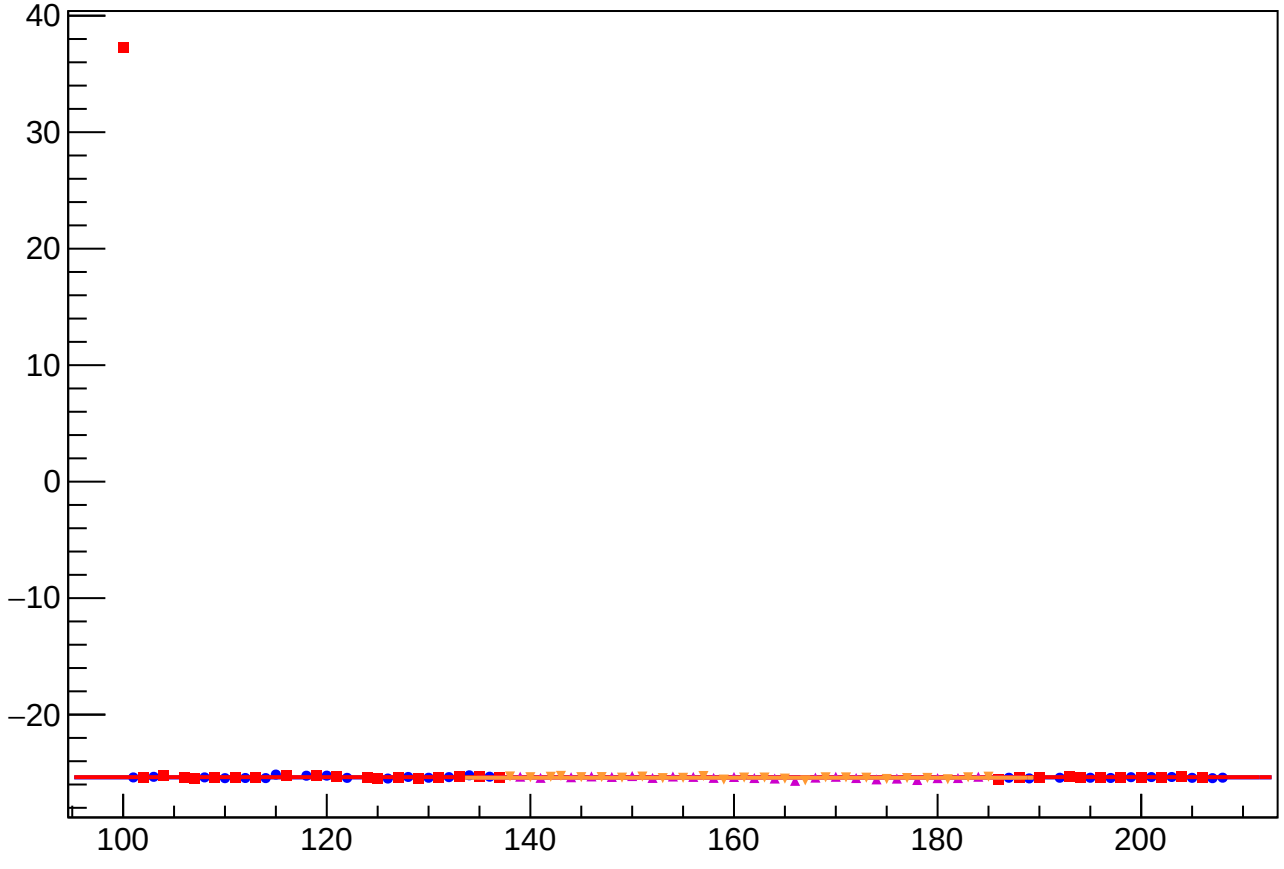
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.046+/-0.000 χ^2/NDF: 1038391.1/50

All: 0.046+/-0.000 χ^2/NDF: 2156447.2/103

- sign 0.046+/-0.000 χ^2/NDF: 1117229.7/52

yield_dsr_mean vs Slug



Right In: -25.391+/-0.000 χ^2/NDF: 21249104.5/26

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.367+/-0.000 χ^2/NDF: 6331886386.3/29

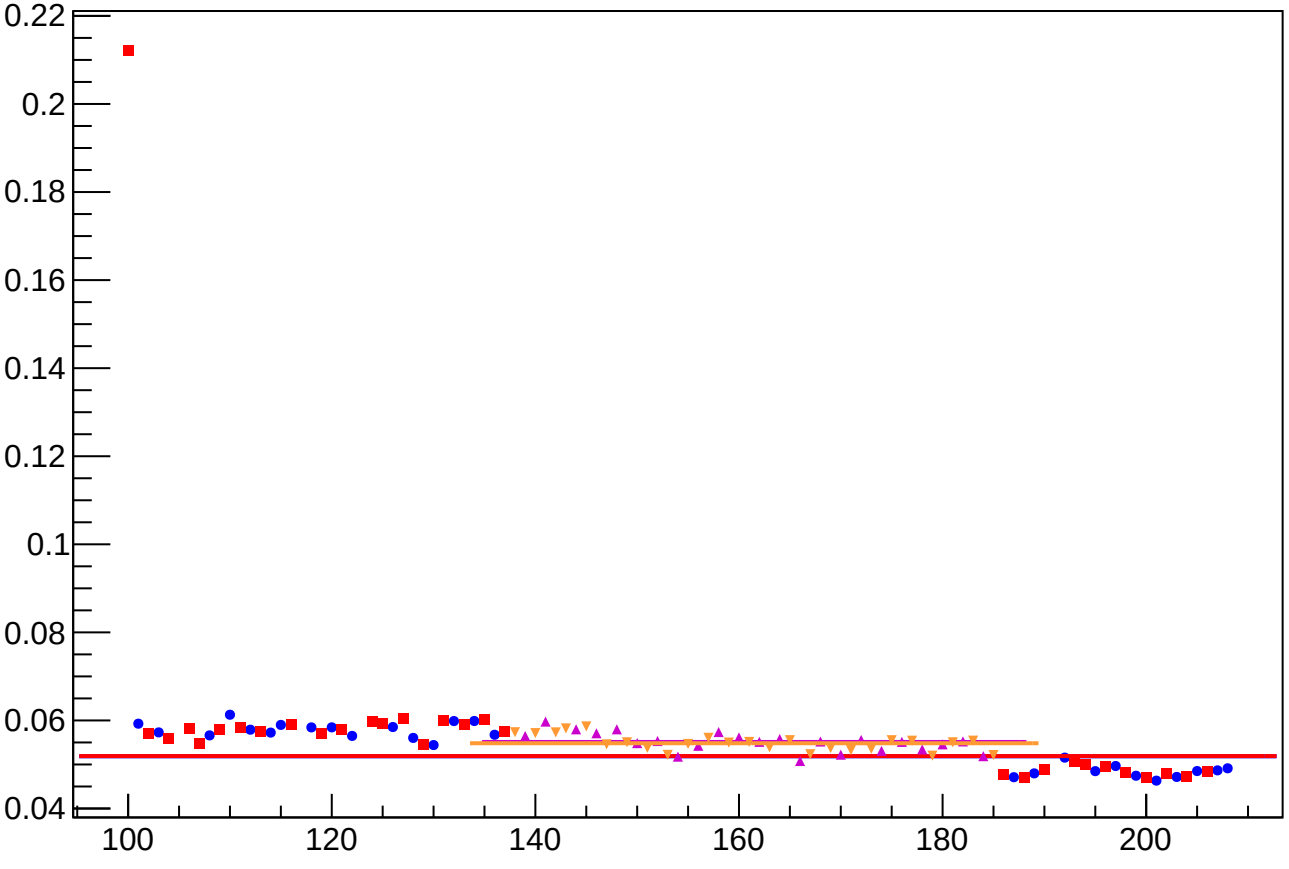
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.405+/-0.000 χ^2/NDF: 75369872.0/51

All: -25.398+/-0.000 χ^2/NDF: 6470614463.9/

- sign -25.391+/-0.000 χ^2/NDF: 6394114914.7/52

yield_dsr_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 253107.9/26

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

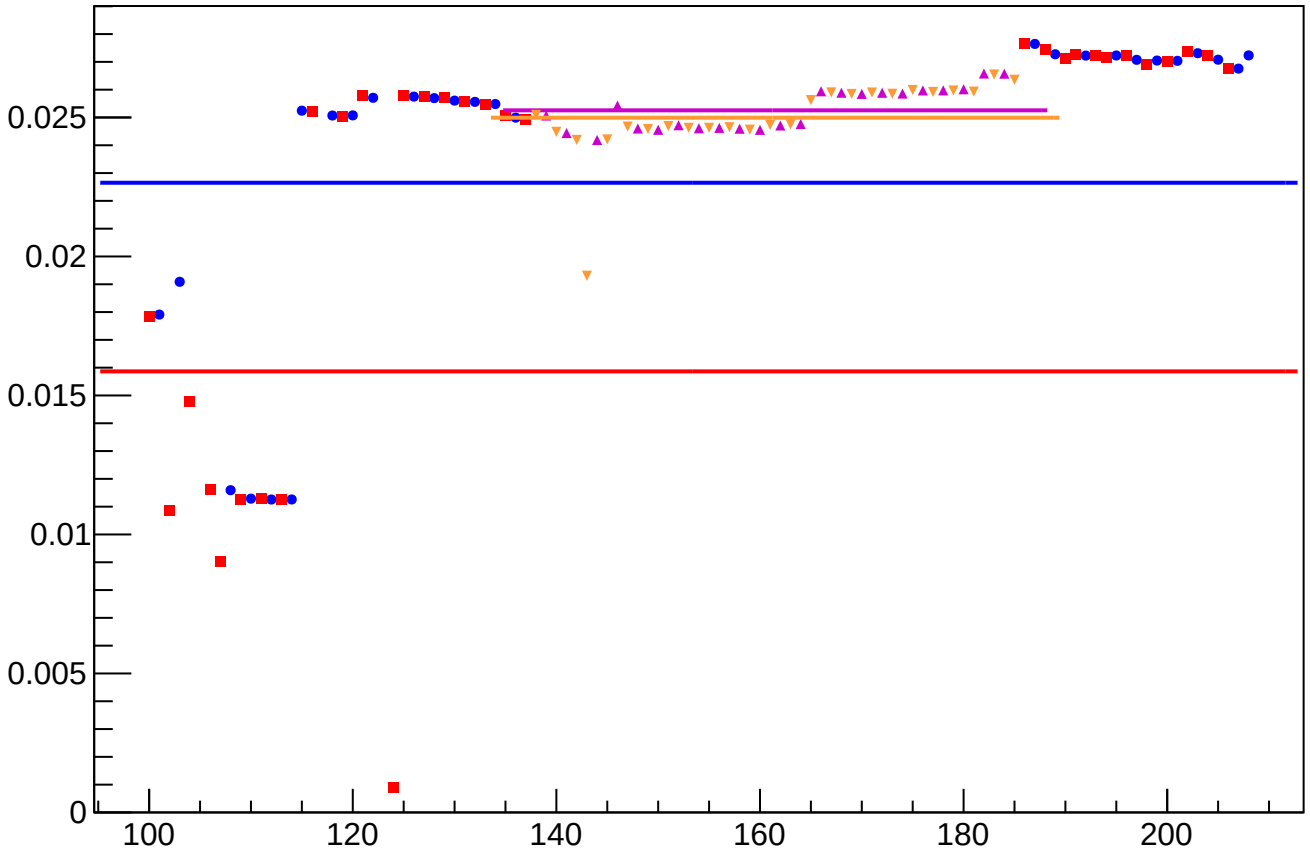
Right Out: 0.052+/-0.000 χ^2/NDF: 352188.9/29

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.053+/-0.000 χ^2/NDF: 343658.0/51

All: 0.053+/-0.000 χ^2/NDF: 807300.5/104

- sign 0.054+/-0.000 χ^2/NDF: 463502.2/52



Right In: 0.023+/-0.000 χ^2/NDF: 93022339313.9/26

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.016+/-0.000 χ^2/NDF: 429639270604.0/30

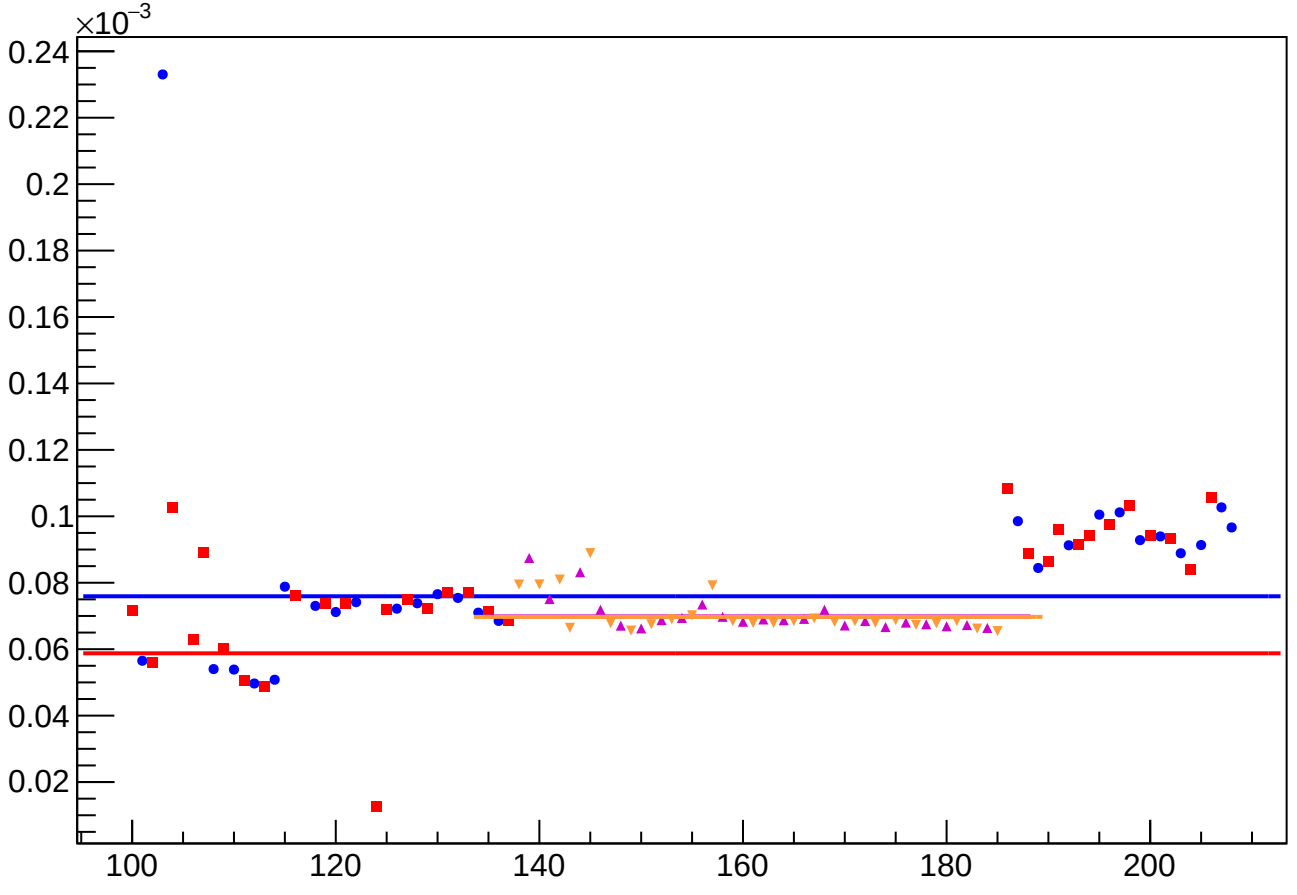
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 109237980313.4/51

All: 0.022+/-0.000 χ^2/NDF: 738315778663.1

- sign 0.021+/-0.000 χ^2/NDF: 589927221194.2/53

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1877803.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

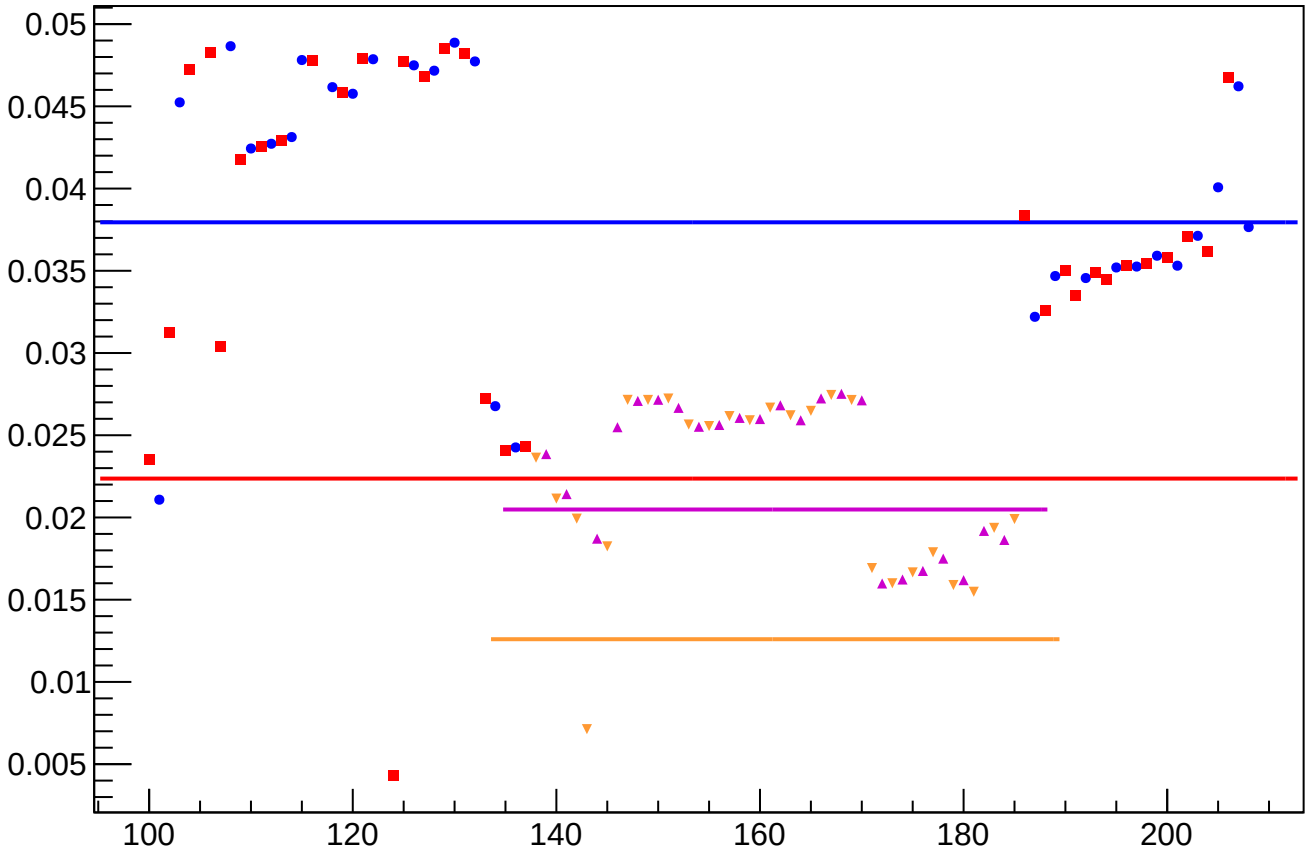
Right Out: 0.000+/-0.000 χ^2/NDF: 7302844.6/30

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 2183060.4/51

All: 0.000+/-0.000 χ^2/NDF: 10483335.5/105

- sign 0.000+/-0.000 χ^2/NDF: 7898718.9/53



Right In: 0.038+/-0.000 χ^2/NDF: 7334413177.9/26

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 46853034264.6/30

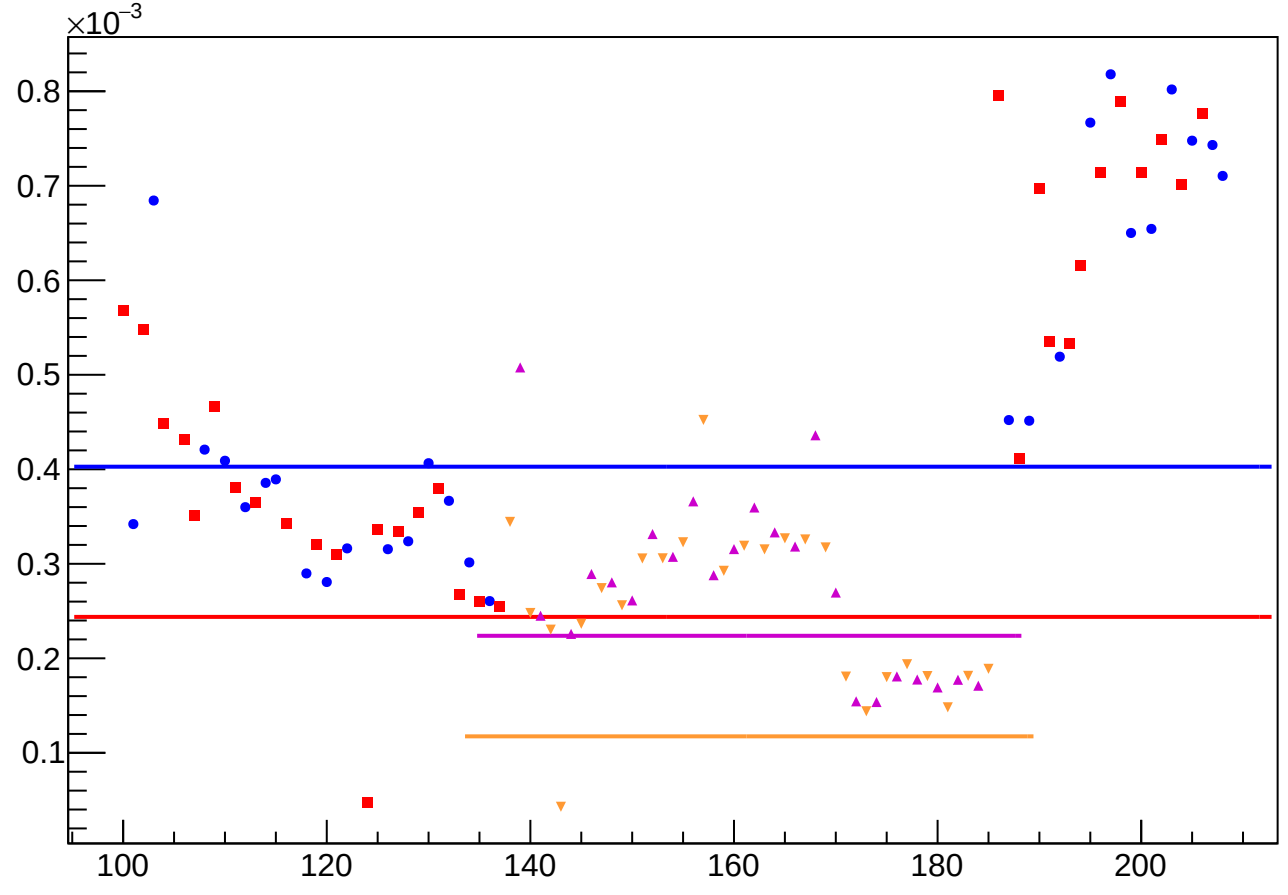
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 90140445230.8/51

All: 0.017+/-0.000 χ^2/NDF: 154268644419.9

- sign 0.021+/-0.000 χ^2/NDF: 53296854451.8/53

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4013953.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13337677.8/30

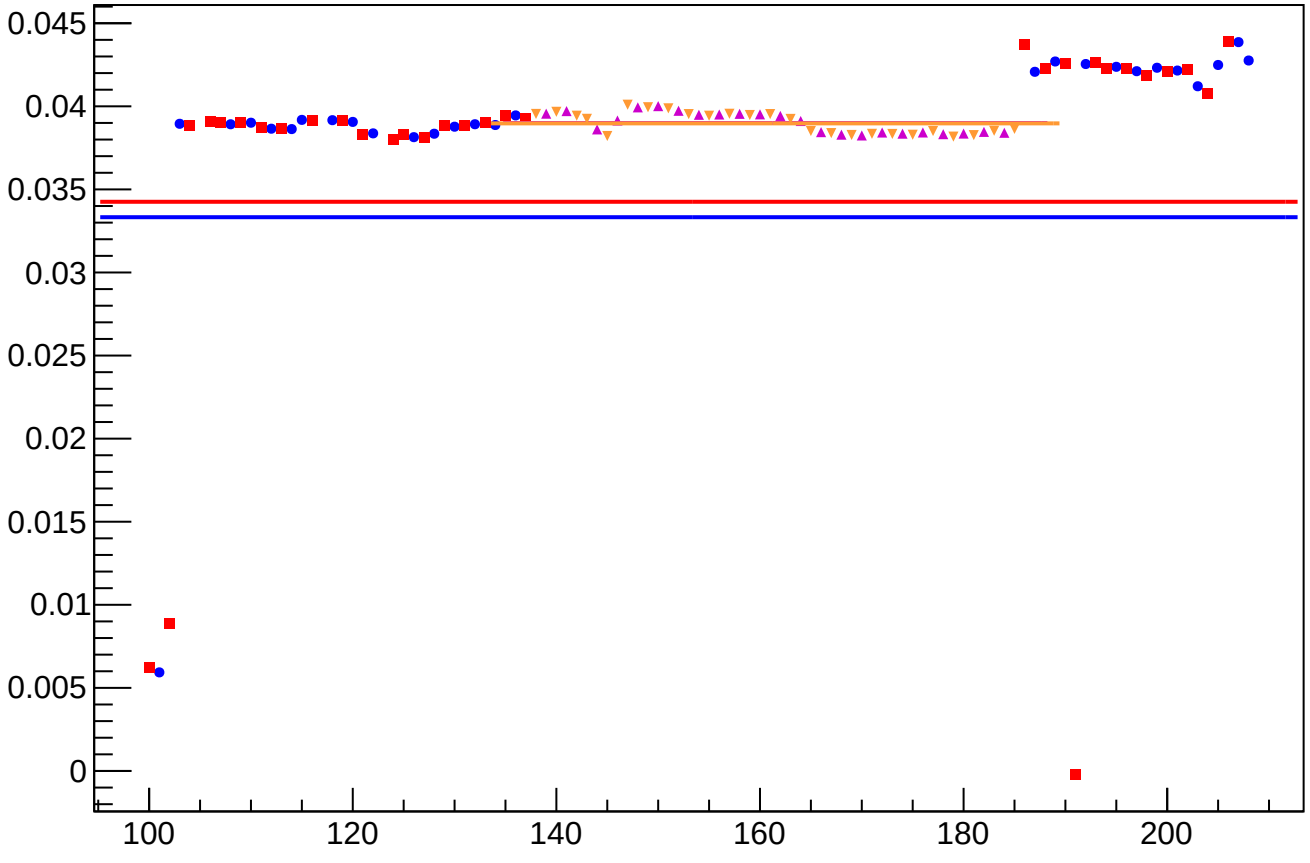
Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 29923982.7/51

All: 0.000+/-0.000 χ^2/NDF: 51020960.6/105

- sign 0.000+/-0.000 χ^2/NDF: 16803694.9/53

yield_atr1_mean vs Slug



Right In: 0.033+/-0.000 χ^2/NDF: 129827926625.3/26

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

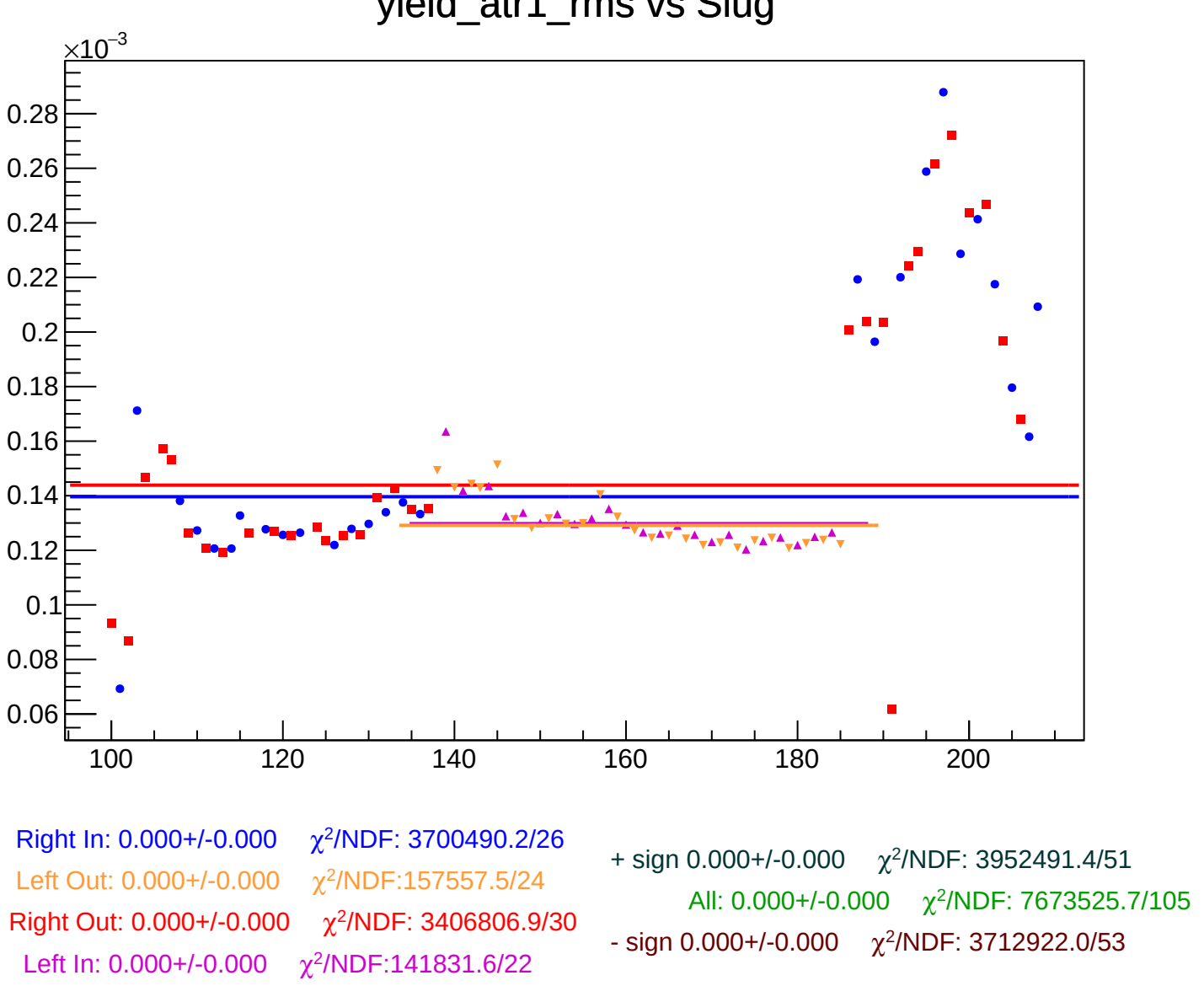
Right Out: 0.034+/-0.000 χ^2/NDF: 118865602388.4/30

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

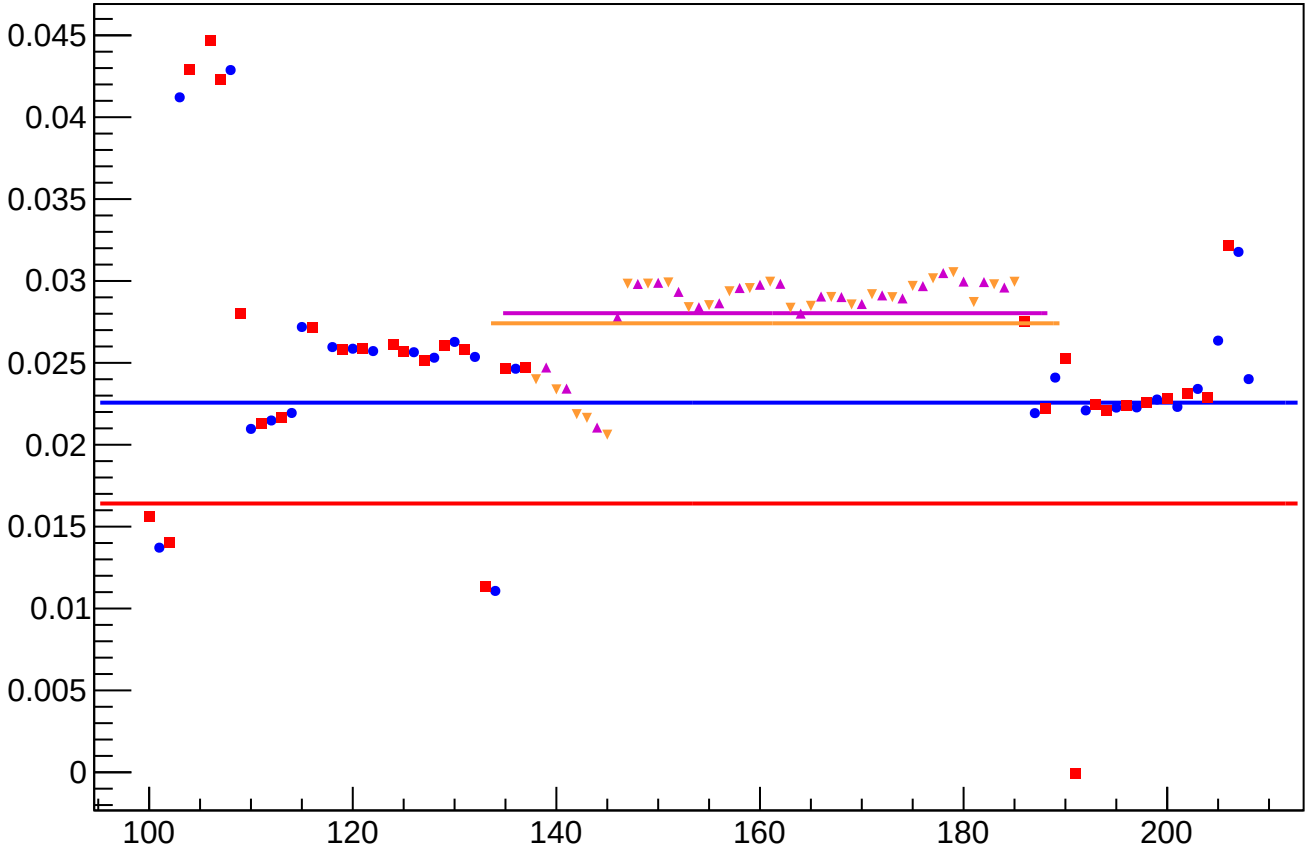
+ sign 0.037+/-0.000 χ^2/NDF: 143981264154.8/51

All: 0.037+/-0.000 χ^2/NDF: 272622085456.7

- sign 0.037+/-0.000 χ^2/NDF: 128549652937.0/53


yield_atr1_rms vs Slug
×10⁻³
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3700490.2/26
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3406806.9/30
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
+ sign 0.000+/-0.000 χ²/NDF: 3952491.4/51
All: 0.000+/-0.000 χ²/NDF: 7673525.7/105
- sign 0.000+/-0.000 χ²/NDF: 3712922.0/53

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF: 5189715794.3/26

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF: 25645452163.6/30

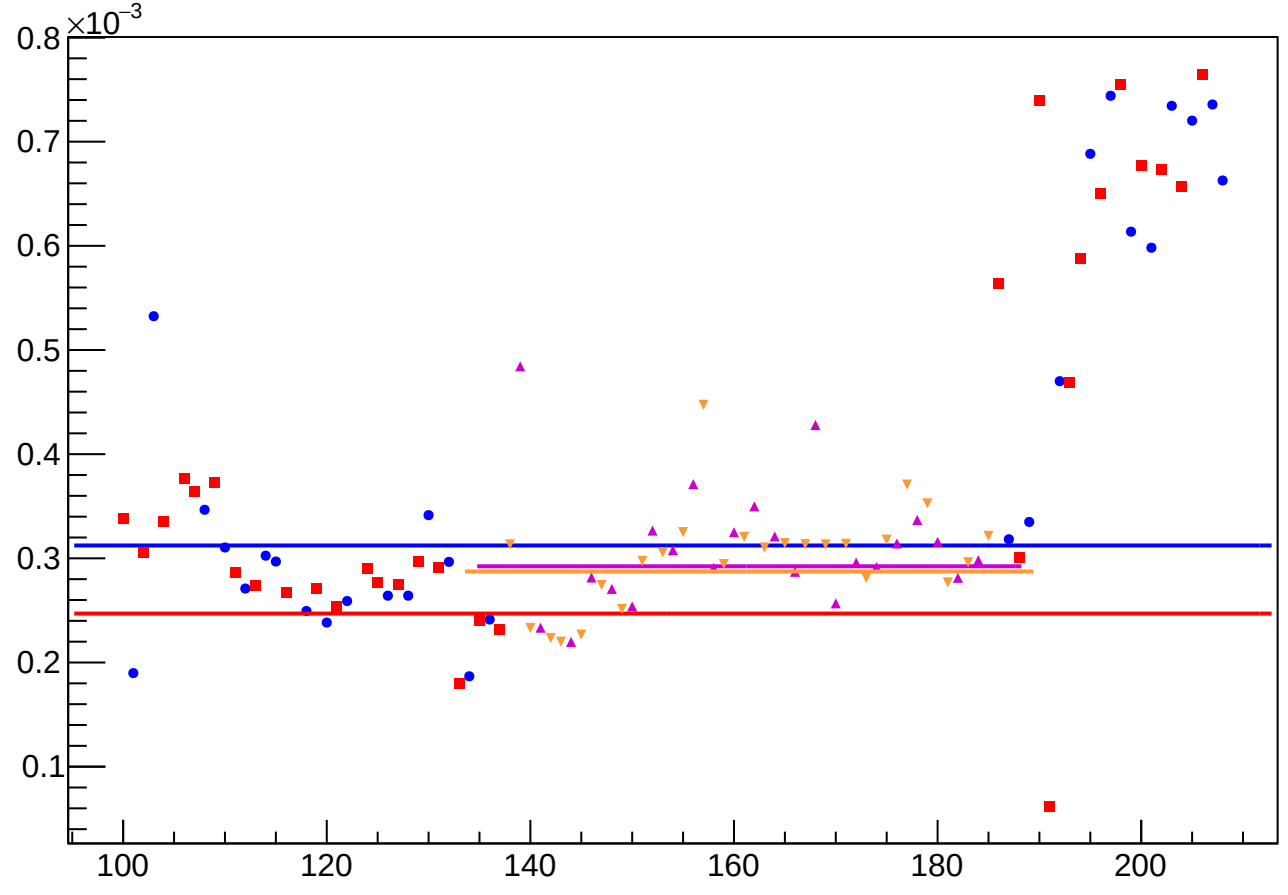
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9230993145.0/51

All: 0.024+/-0.000 χ^2/NDF: 50006212987.1/1

- sign 0.023+/-0.000 χ^2/NDF: 39236159885.2/53

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5455765.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

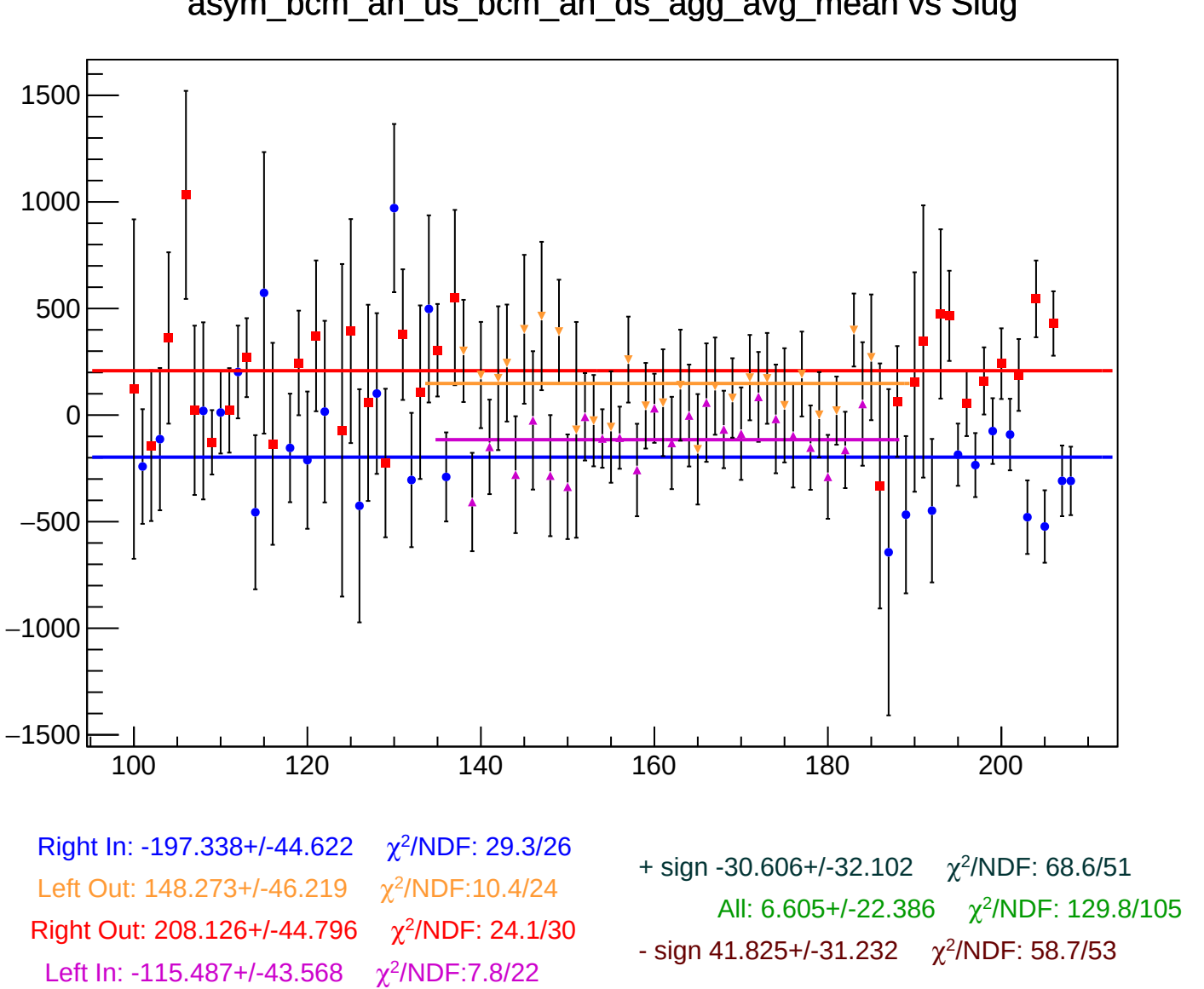
Right Out: 0.000+/-0.000 χ^2/NDF: 9710737.7/30

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

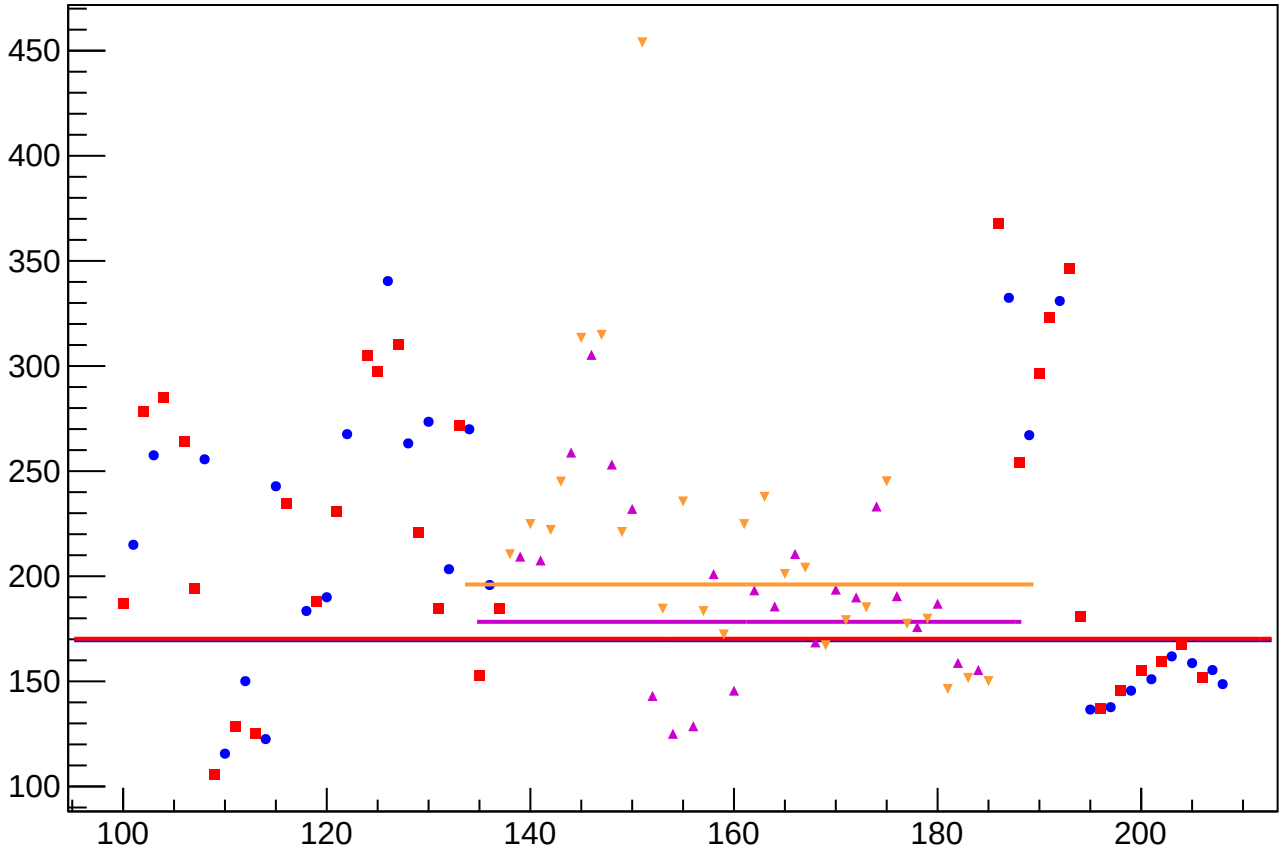
+ sign 0.000+/-0.000 χ^2/NDF: 6372814.5/51

All: 0.000+/-0.000 χ^2/NDF: 17643886.3/105

- sign 0.000+/-0.000 χ^2/NDF: 11050305.3/53


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -197.338+/-44.622 χ²/NDF: 29.3/26
Left Out: 148.273+/-46.219 χ²/NDF:10.4/24
Right Out: 208.126+/-44.796 χ²/NDF: 24.1/30
Left In: -115.487+/-43.568 χ²/NDF:7.8/22
+ sign -30.606+/-32.102 χ²/NDF: 68.6/51
All: 6.605+/-22.386 χ²/NDF: 129.8/105
- sign 41.825+/-31.232 χ²/NDF: 58.7/53

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.568+/-0.032 χ^2/NDF: 2265630.1/26

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

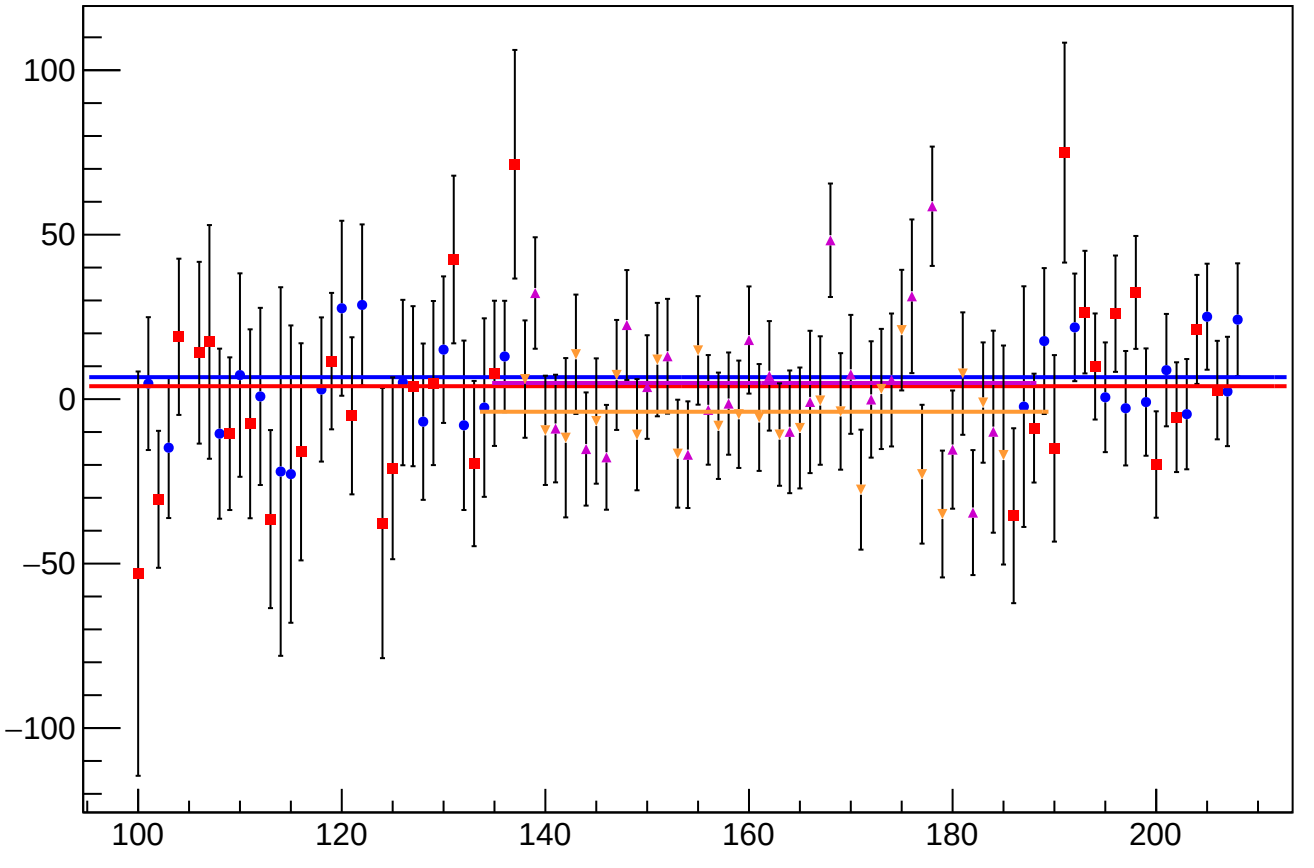
Right Out: 170.276+/-0.032 χ^2/NDF: 2935421.8/30

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 182.361+/-0.023 χ^2/NDF: 4424894.0/51

All: 178.276+/-0.016 χ^2/NDF: 9134831.4/105

- sign 174.409+/-0.022 χ^2/NDF: 4646882.9/53



Right In: 6.681+/-4.039 χ^2/NDF: 9.4/26

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

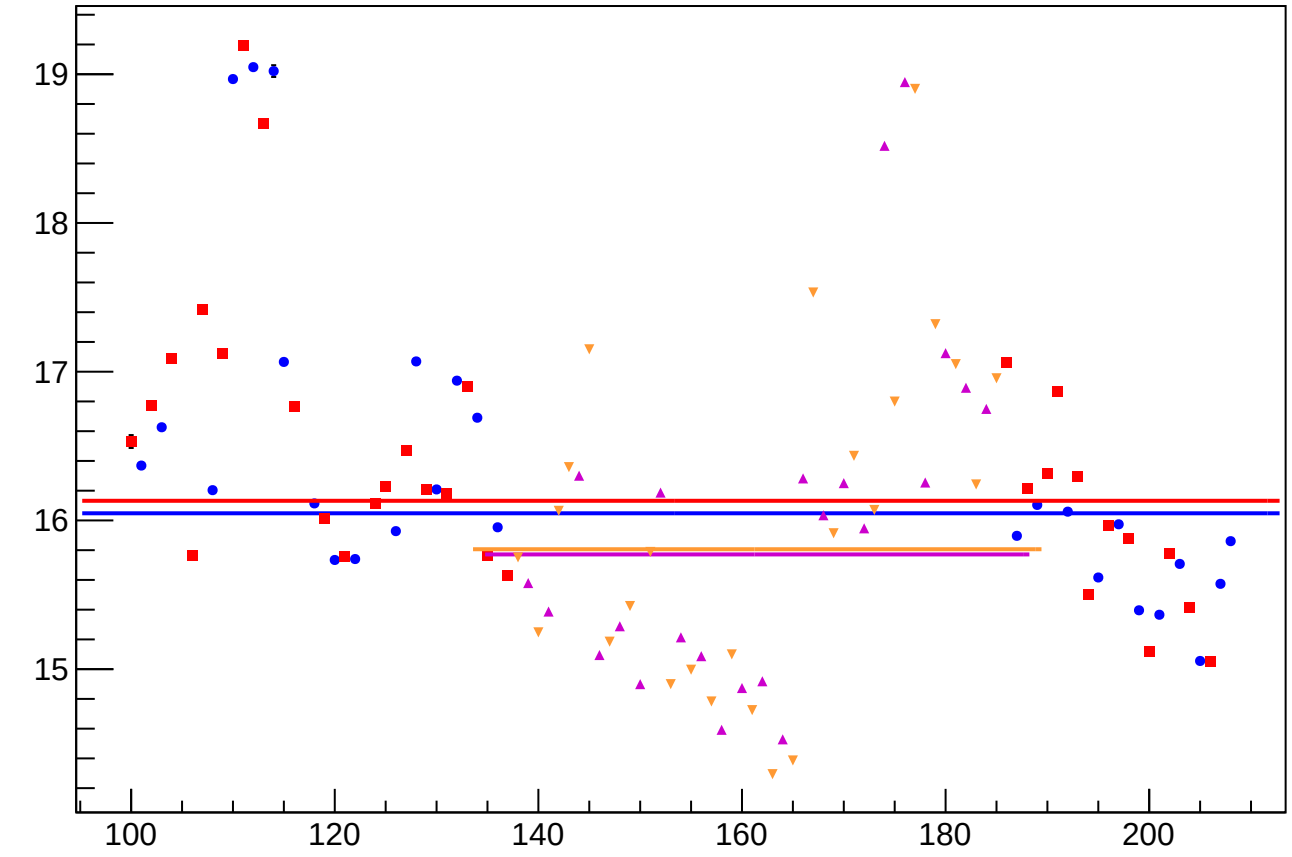
Right Out: 3.933+/-3.980 χ^2/NDF: 33.7/30

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

\+ sign 0.824+/-2.689 χ^2/NDF: 26.0/51

All: 2.626+/-1.908 χ^2/NDF: 94.5/105

\- sign 4.454+/-2.708 χ^2/NDF: 67.6/53



Right In: 16.048+/-0.003 χ^2/NDF: 77449.4/26

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

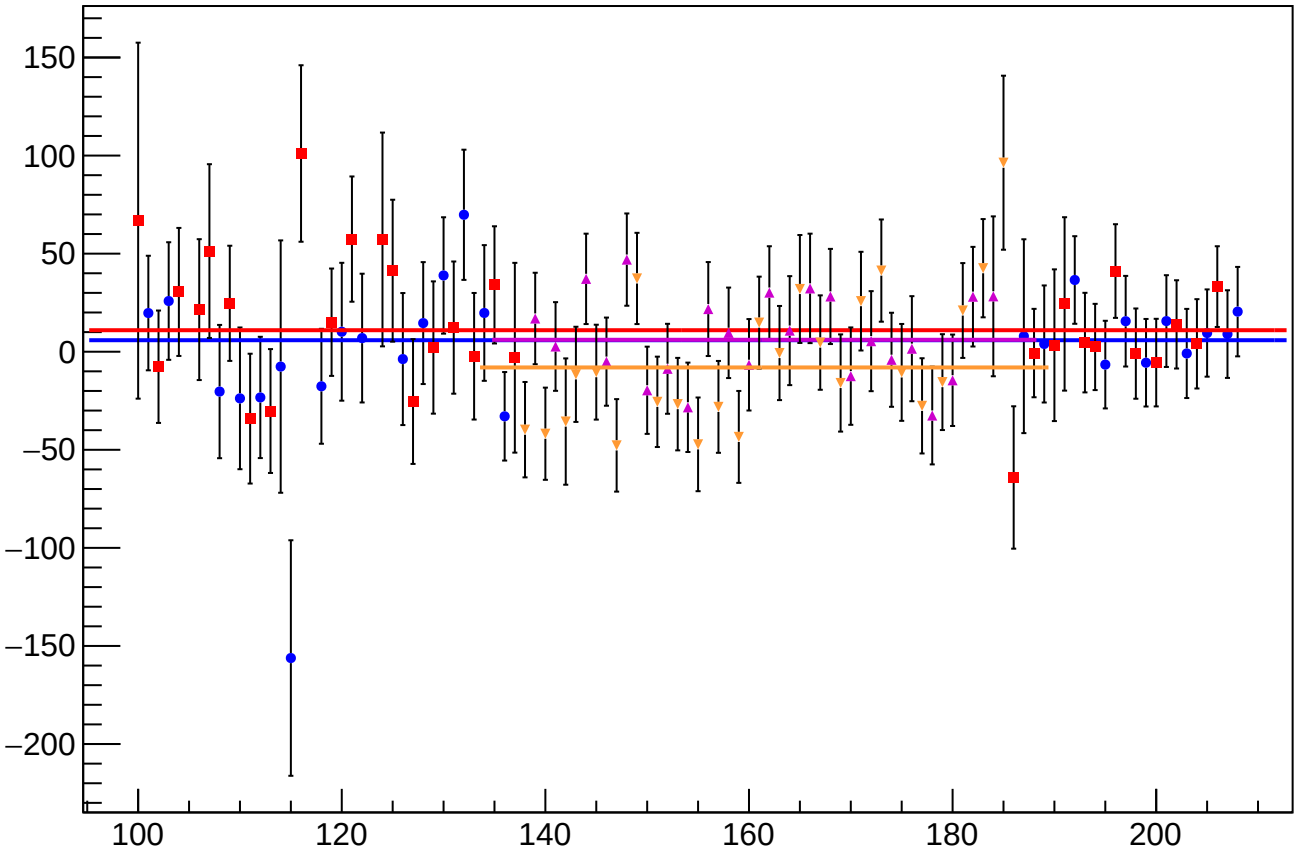
Right Out: 16.132+/-0.003 χ^2/NDF: 86976.7/30

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

+ sign 15.913+/-0.002 χ^2/NDF: 254089.1/51

All: 15.926+/-0.001 χ^2/NDF: 502104.6/105

- sign 15.938+/-0.002 χ^2/NDF: 247930.0/53



Right In: 5.867+/-5.401 χ^2/NDF: 22.4/26

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: 10.967+/-5.326 χ^2/NDF: 24.2/30

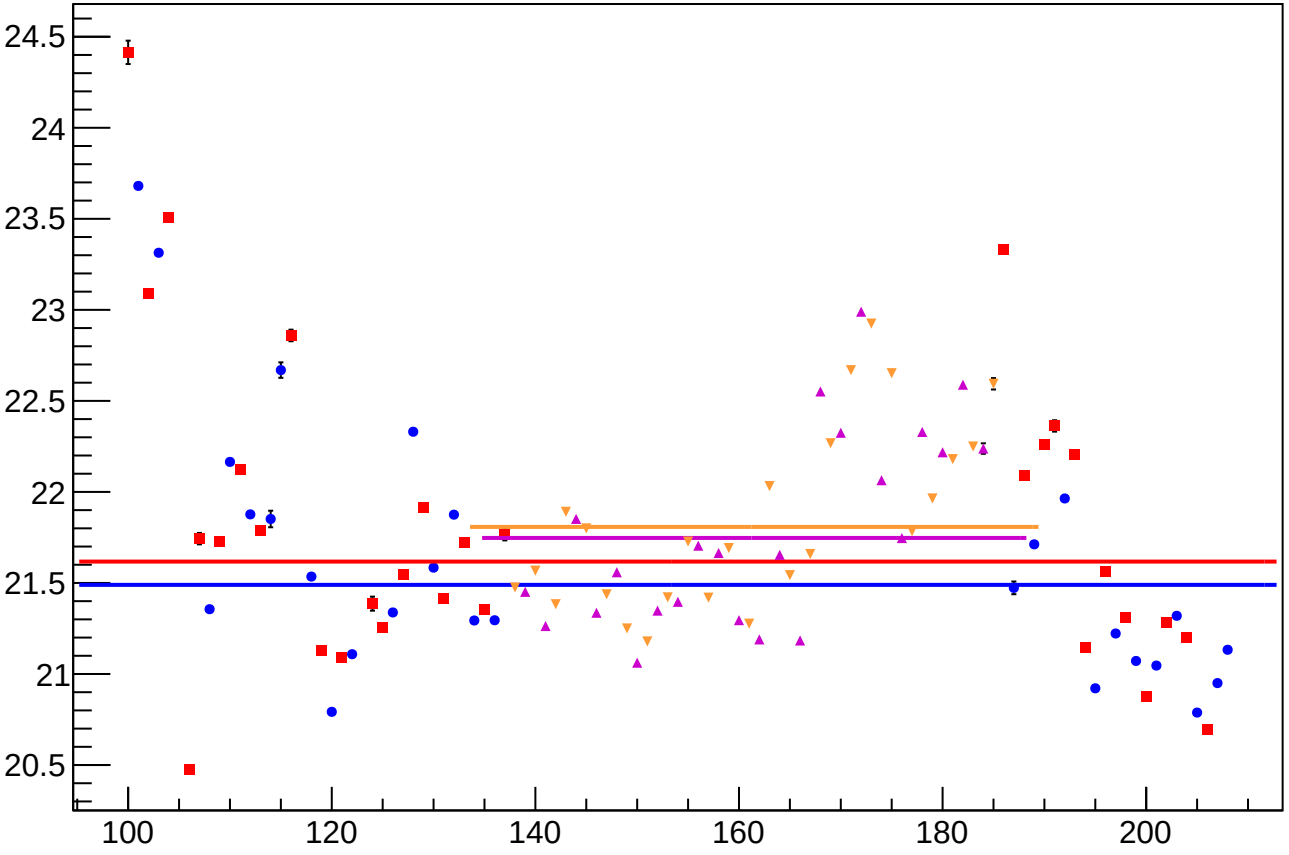
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

\+ sign -1.670+/-3.652 χ^2/NDF: 64.8/51

All: 3.337+/-2.591 χ^2/NDF: 111.2/105

\- sign 8.411+/-3.676 χ^2/NDF: 42.6/53

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.490+/-0.004 χ^2/NDF: 31366.7/26

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

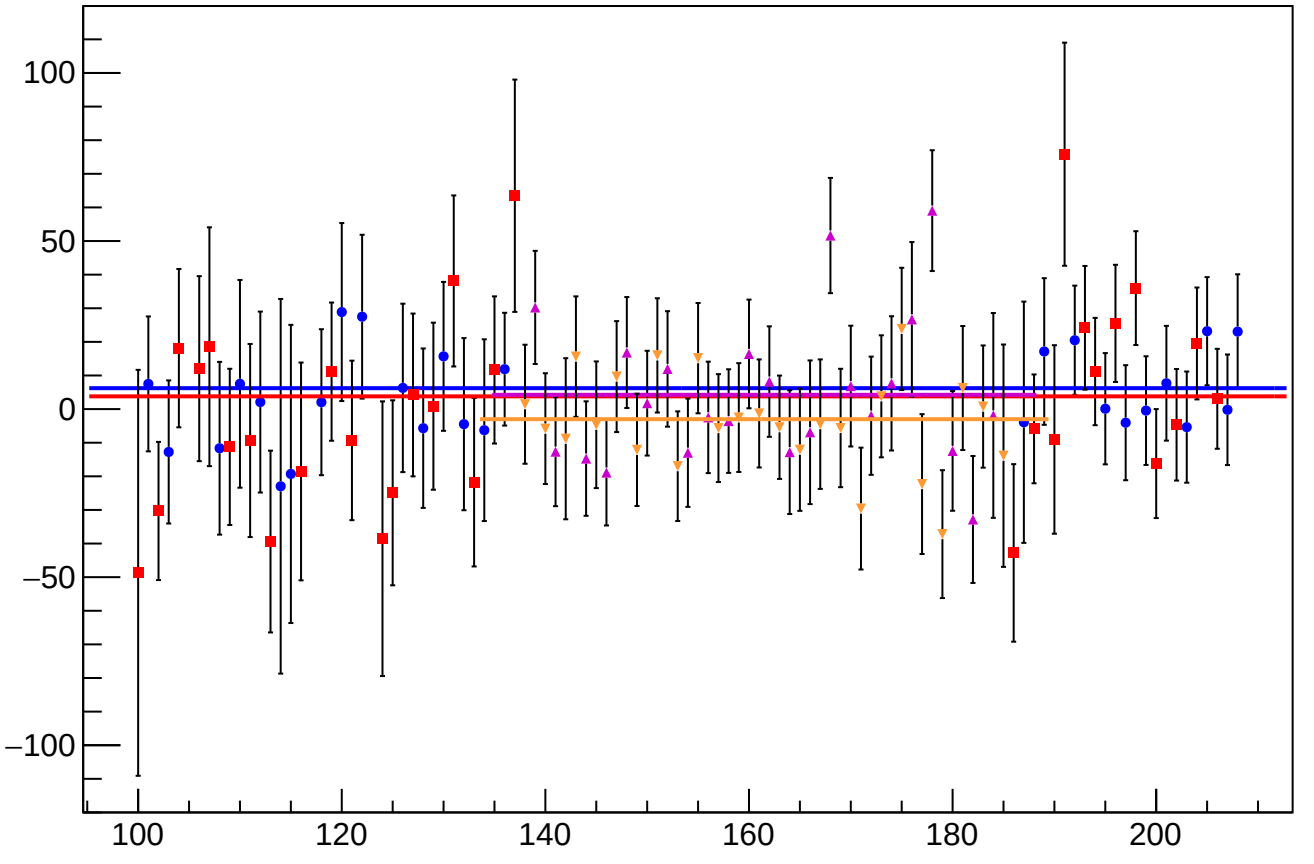
Right Out: 21.617+/-0.004 χ^2/NDF: 36036.0/30

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.662+/-0.003 χ^2/NDF: 52696.0/51

All: 21.674+/-0.002 χ^2/NDF: 109955.5/105

- sign 21.685+/-0.003 χ^2/NDF: 57219.5/53



Right In: 6.226+/-4.010 χ^2/NDF: 8.9/26

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

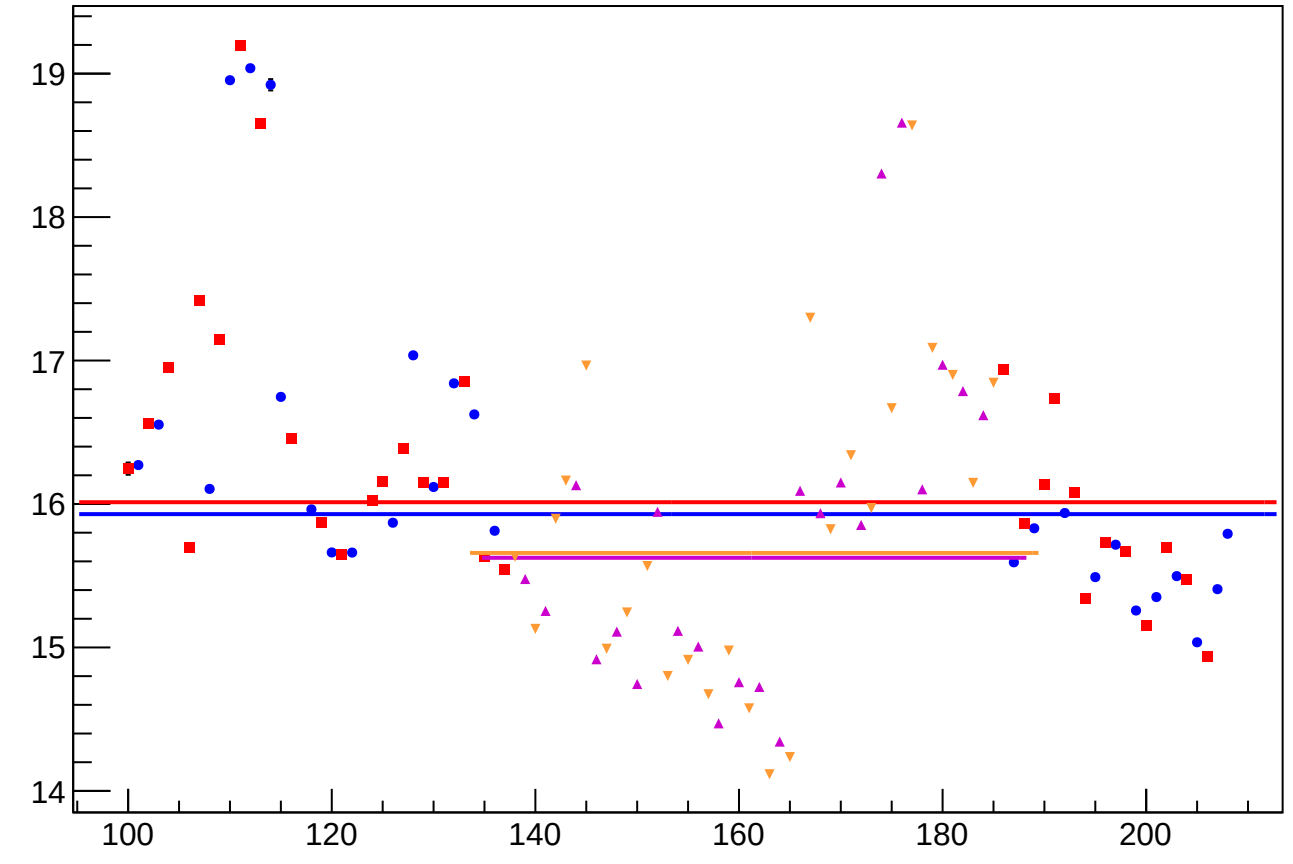
Right Out: 3.790+/-3.951 χ^2/NDF: 34.1/30

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

\+ sign 1.076+/-2.666 χ^2/NDF: 26.5/51

All: 2.546+/-1.892 χ^2/NDF: 95.0/105

\- sign 4.037+/-2.685 χ^2/NDF: 67.9/53



Right In: 15.929+/-0.003 χ^2/NDF: 80946.4/26

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

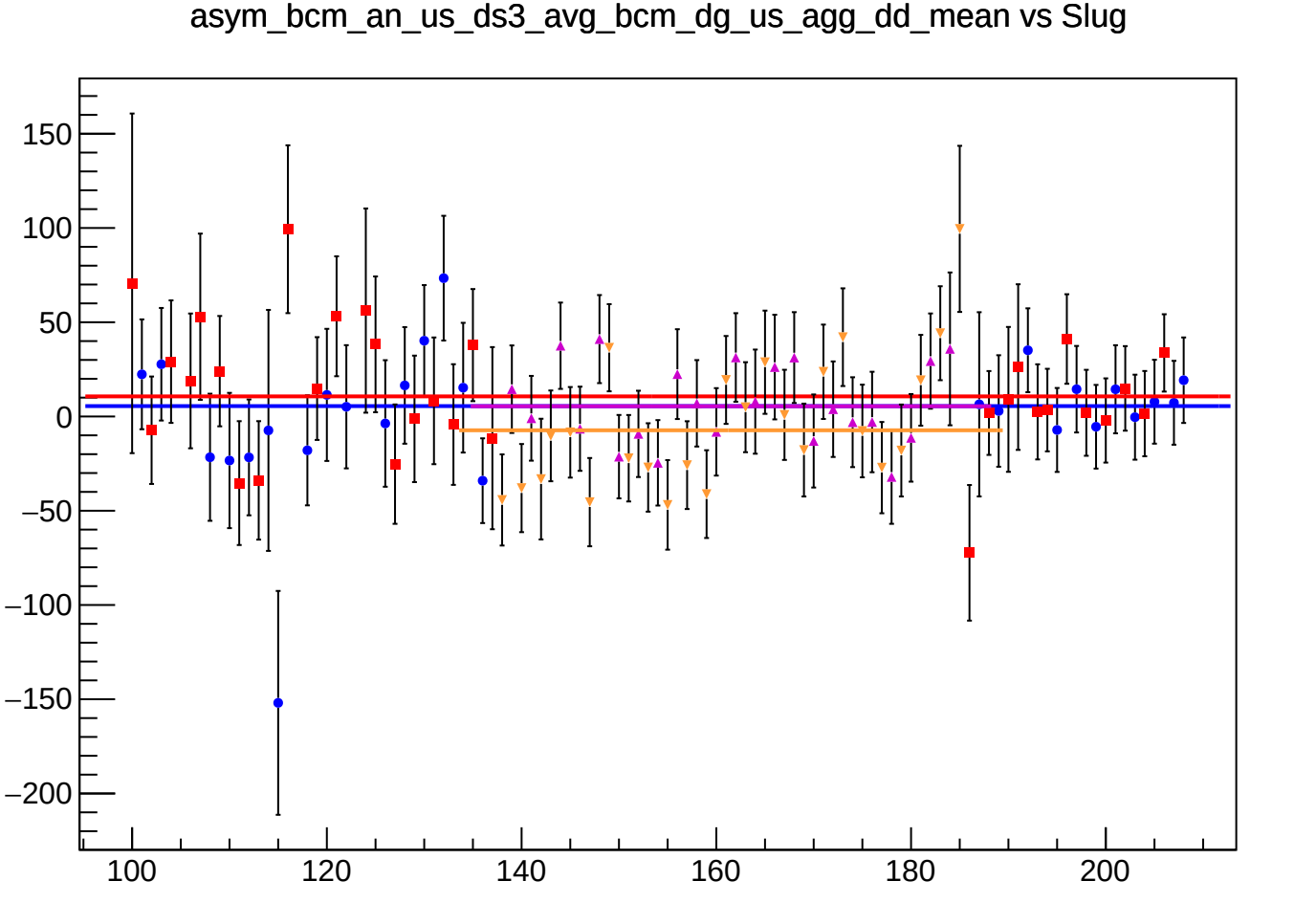
Right Out: 16.012+/-0.003 χ^2/NDF: 88631.3/30

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

+ sign 15.778+/-0.002 χ^2/NDF: 255860.3/51

All: 15.791+/-0.001 χ^2/NDF: 505364.3/105

- sign 15.804+/-0.002 χ^2/NDF: 249412.9/53



Right In: 5.514+/-5.376 χ^2/NDF: 22.8/26

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

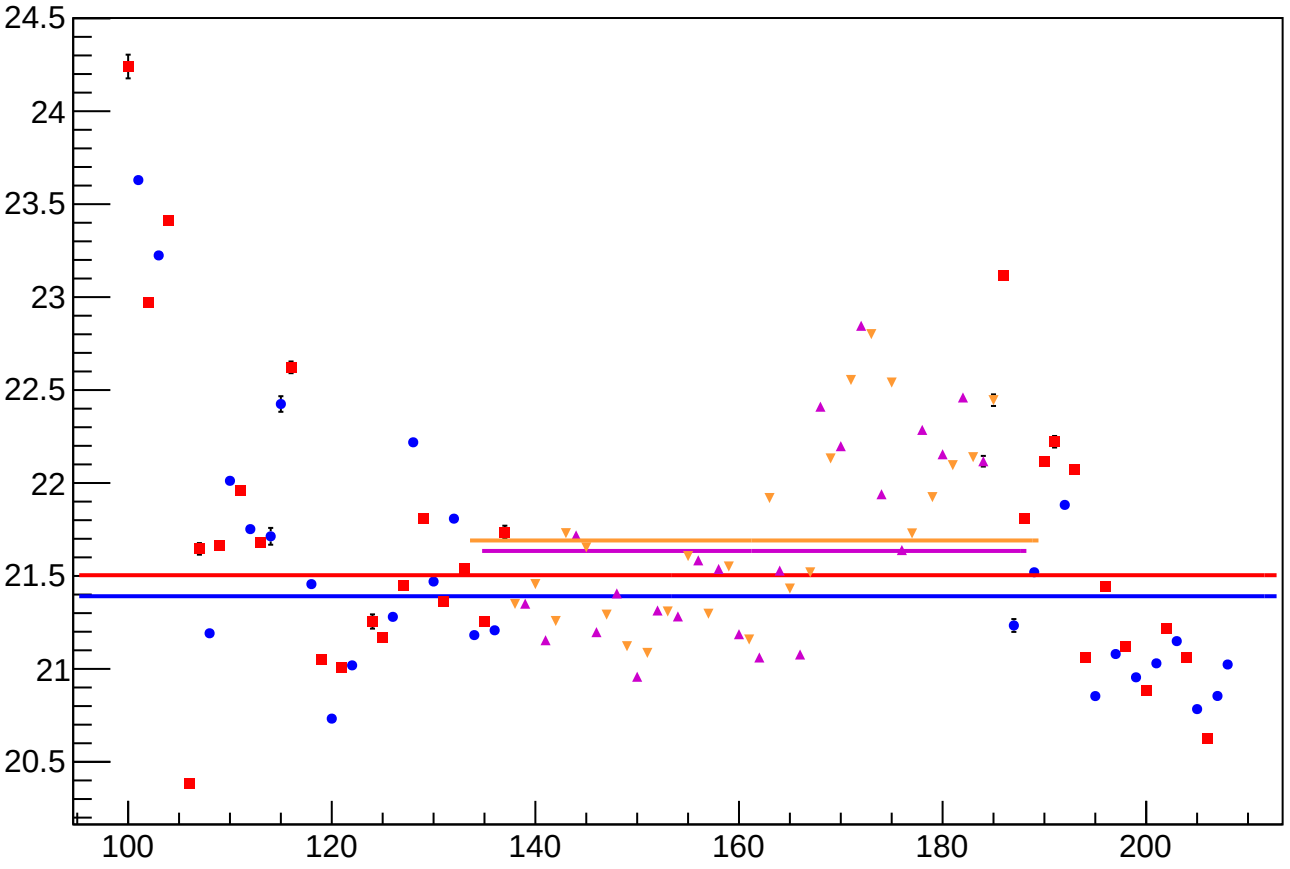
Right Out: 10.665+/-5.298 χ^2/NDF: 25.5/30

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

+ sign -1.458+/-3.633 χ^2/NDF: 64.5/51

All: 3.204+/-2.577 χ^2/NDF: 111.1/105

- sign 7.926+/-3.657 χ^2/NDF: 43.3/53



Right In: 21.391+/-0.004 χ^2/NDF: 31137.8/26

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.504+/-0.004 χ^2/NDF: 33574.4/30

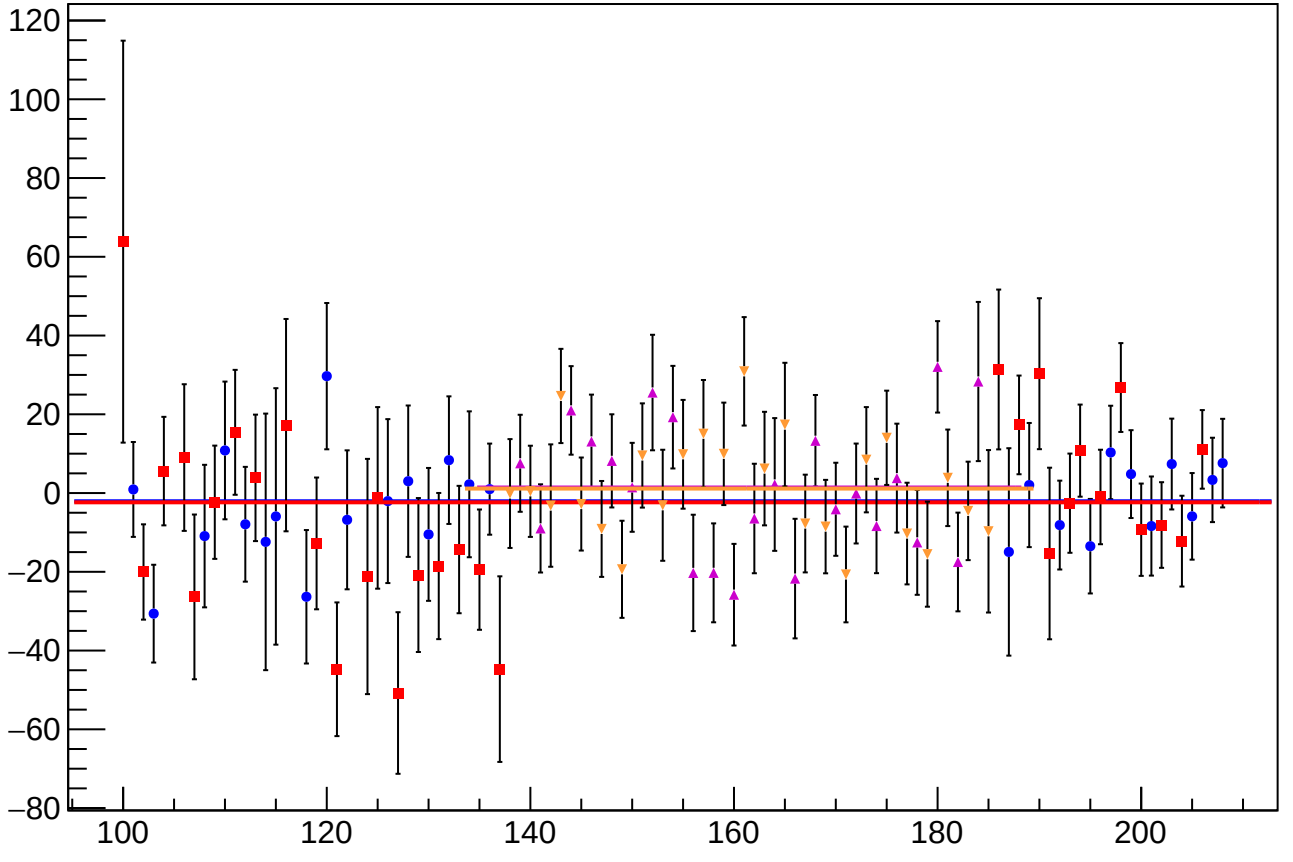
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.554+/-0.003 χ^2/NDF: 52454.3/51

All: 21.563+/-0.002 χ^2/NDF: 107251.4/105

- sign 21.572+/-0.003 χ^2/NDF: 54771.5/53

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.084+/-2.745 χ^2/NDF: 17.3/26

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

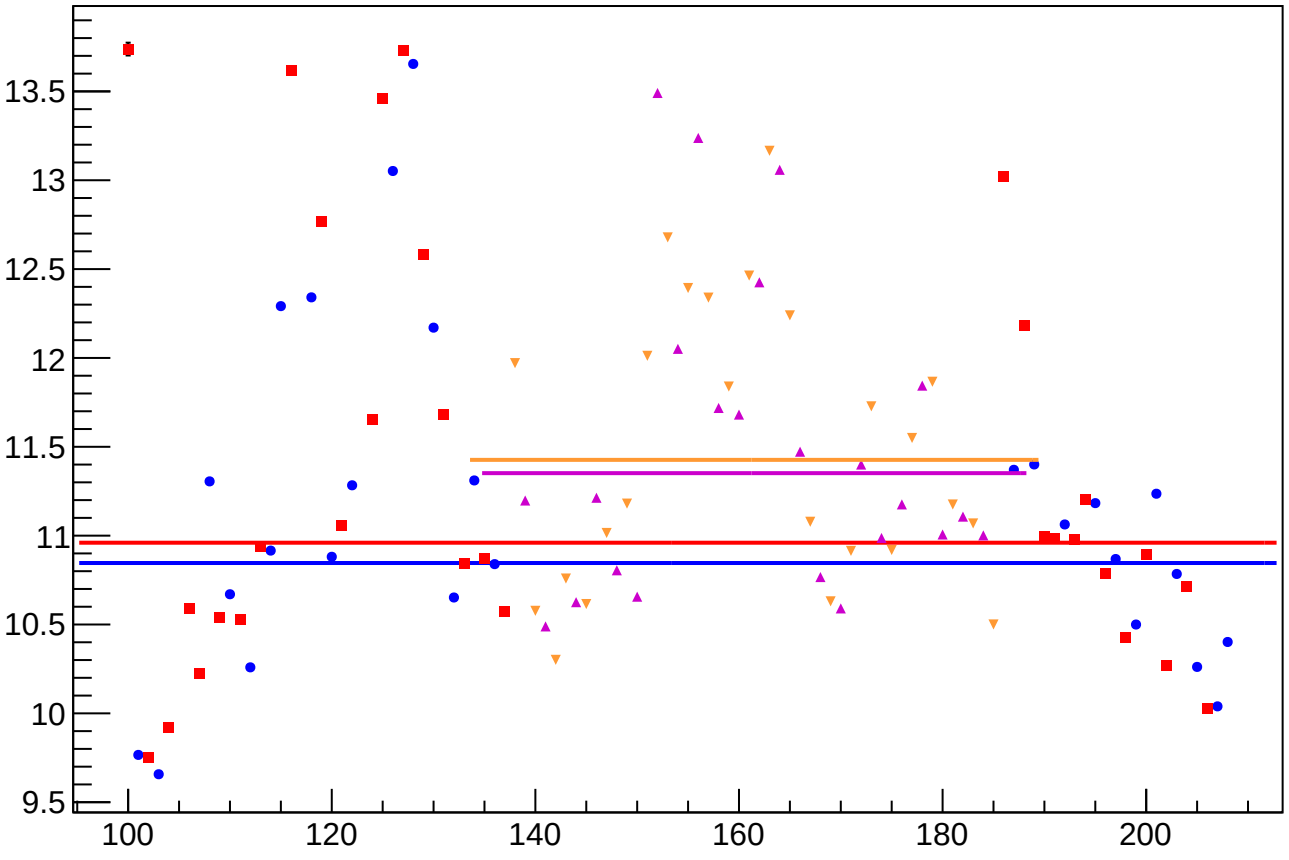
Right Out: -2.354+/-2.723 χ^2/NDF: 46.7/30

Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.398+/-1.895 χ^2/NDF: 42.6/51

All: -0.419+/-1.345 χ^2/NDF: 126.5/105

- sign -0.440+/-1.908 χ^2/NDF: 84.0/53



Right In: 10.846+/-0.002 χ^2/NDF: 168510.7/26

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

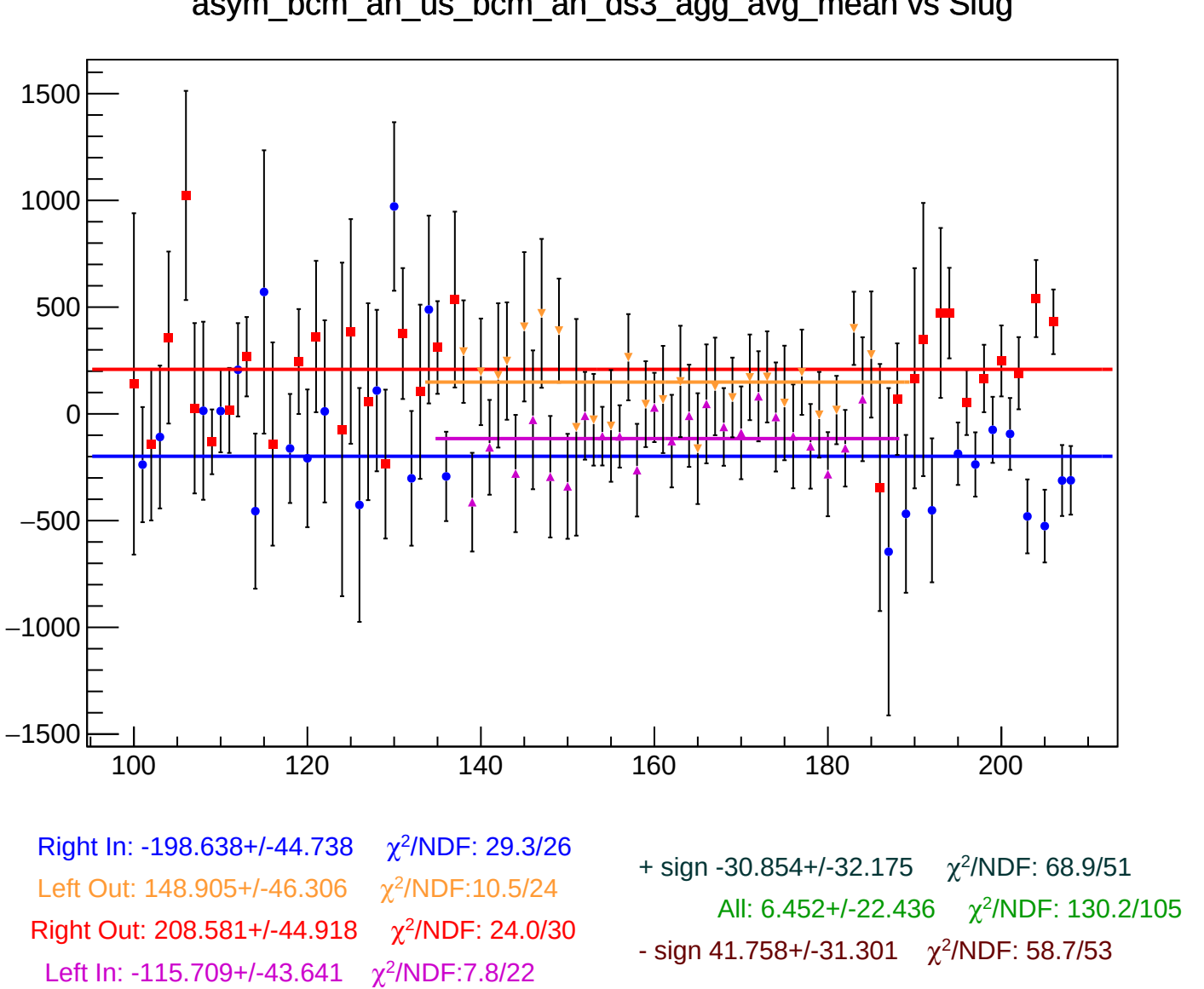
Right Out: 10.960+/-0.002 χ^2/NDF: 237096.7/30

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

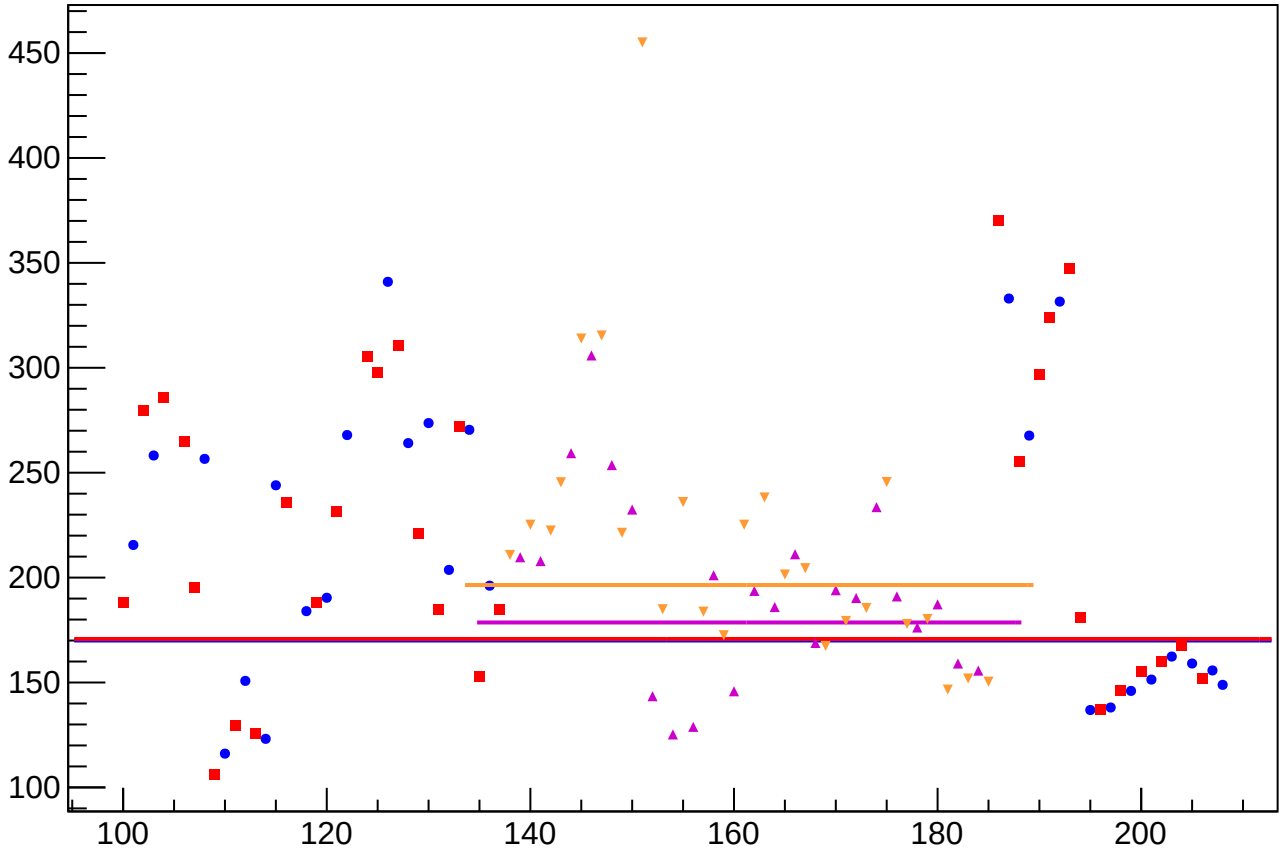
\+ sign 11.150+/-0.001 χ^2/NDF: 372282.1/51

All: 11.155+/-0.001 χ^2/NDF: 801010.8/105

\- sign 11.160+/-0.001 χ^2/NDF: 428702.3/53


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -198.638+/-44.738 χ²/NDF: 29.3/26
Left Out: 148.905+/-46.306 χ²/NDF:10.5/24
Right Out: 208.581+/-44.918 χ²/NDF: 24.0/30
Left In: -115.709+/-43.641 χ²/NDF:7.8/22
+ sign -30.854+/-32.175 χ²/NDF: 68.9/51
All: 6.452+/-22.436 χ²/NDF: 130.2/105
- sign 41.758+/-31.301 χ²/NDF: 58.7/53

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 170.018+/-0.032 χ^2/NDF: 2261101.2/26

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

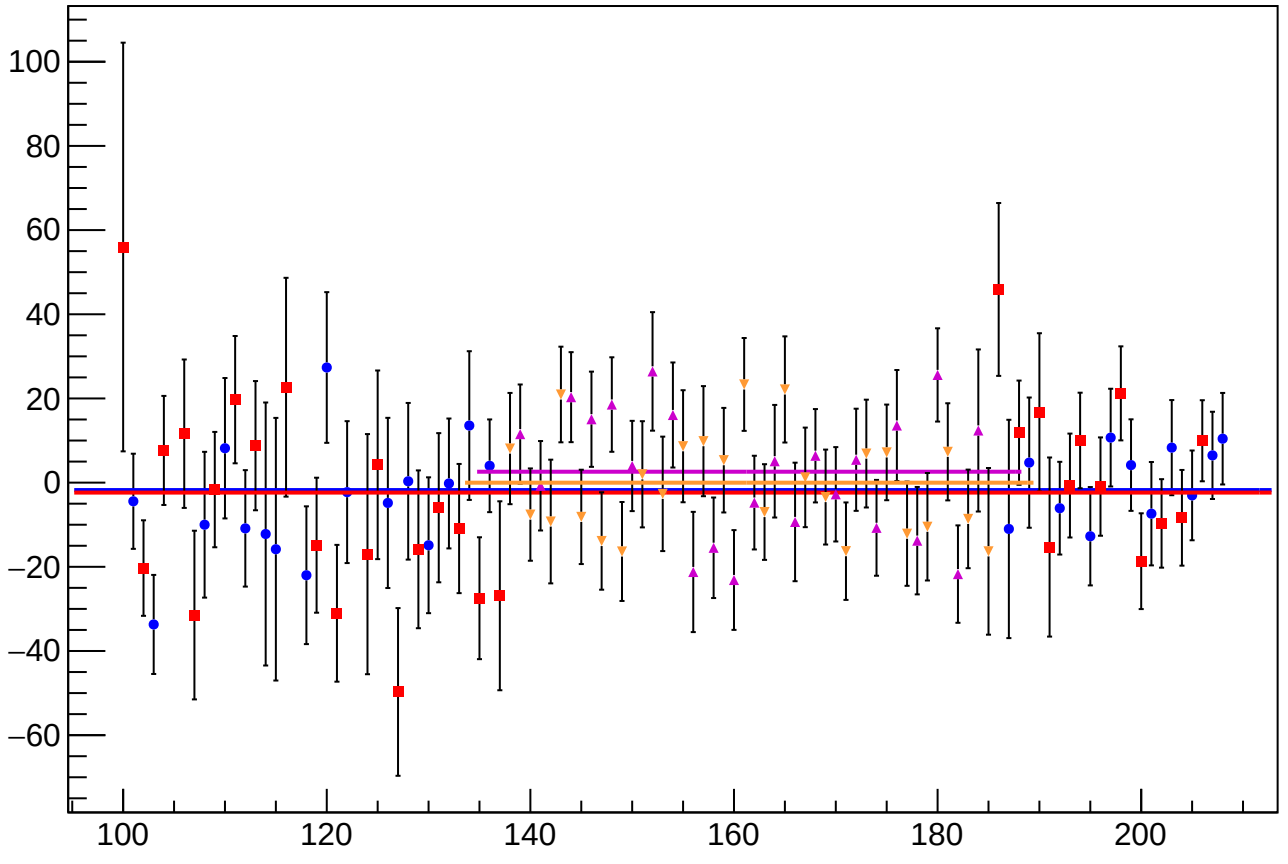
Right Out: 170.751+/-0.032 χ^2/NDF: 2932548.9/30

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 182.781+/-0.023 χ^2/NDF: 4416997.1/51

All: 178.679+/-0.016 χ^2/NDF: 9123212.1/105

- sign 174.796+/-0.022 χ^2/NDF: 4642931.0/53



Right In: -1.767+/-2.648 χ^2/NDF: 20.4/26

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -2.365+/-2.630 χ^2/NDF: 44.0/30

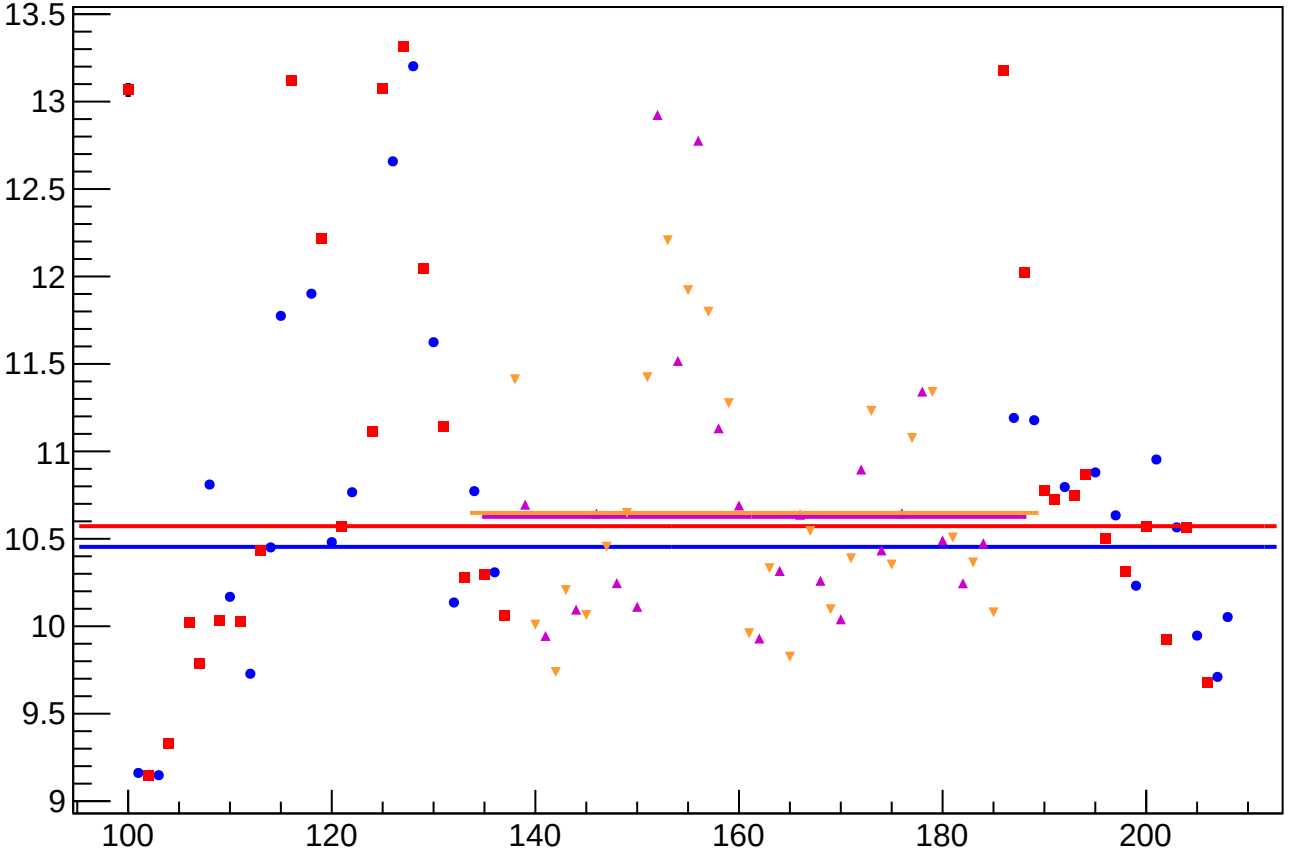
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -0.822+/-1.796 χ^2/NDF: 44.3/51

All: -0.300+/-1.276 χ^2/NDF: 125.2/105

- sign 0.232+/-1.814 χ^2/NDF: 80.7/53

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.454+/-0.002 χ^2/NDF: 190350.6/26

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

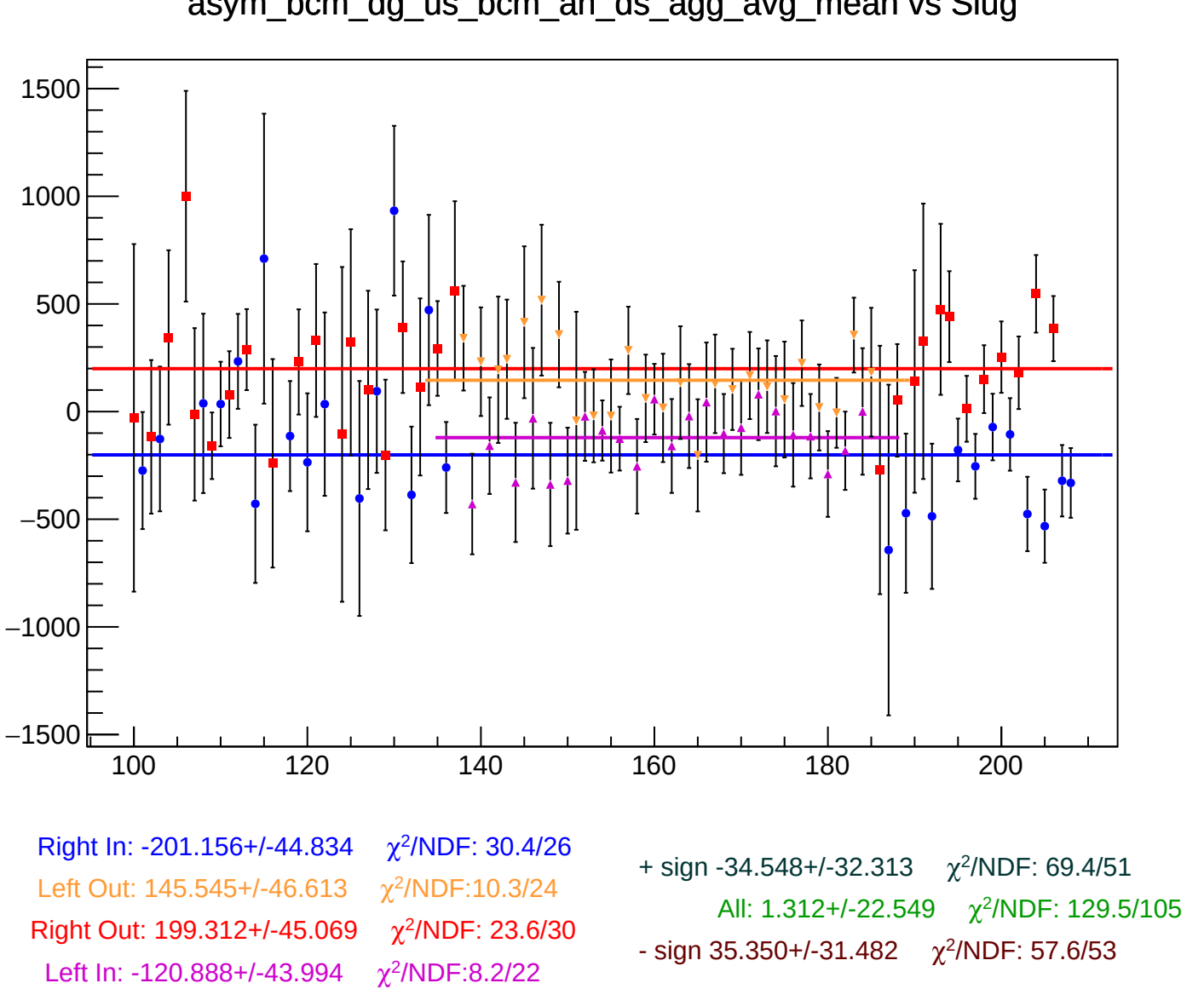
Right Out: 10.572+/-0.002 χ^2/NDF: 274738.9/30

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

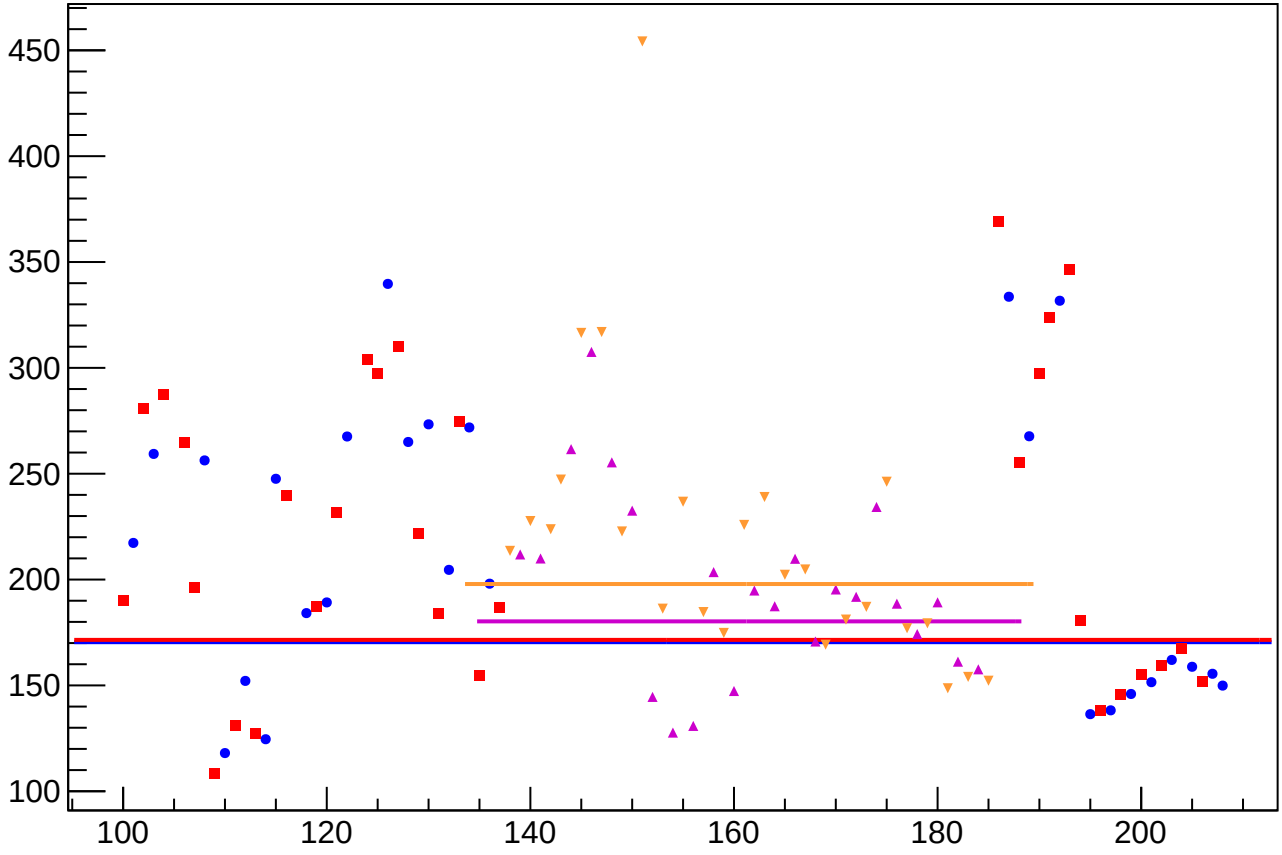
+ sign 10.559+/-0.001 χ^2/NDF: 339698.2/51

All: 10.579+/-0.001 χ^2/NDF: 774937.9/105

- sign 10.600+/-0.001 χ^2/NDF: 434713.6/53


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -201.156+/-44.834 χ²/NDF: 30.4/26
Left Out: 145.545+/-46.613 χ²/NDF:10.3/24
Right Out: 199.312+/-45.069 χ²/NDF: 23.6/30
Left In: -120.888+/-43.994 χ²/NDF:8.2/22
+ sign -34.548+/-32.313 χ²/NDF: 69.4/51
All: 1.312+/-22.549 χ²/NDF: 129.5/105
- sign 35.350+/-31.482 χ²/NDF: 57.6/53

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.420+/-0.032 χ^2/NDF: 2254065.3/26

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

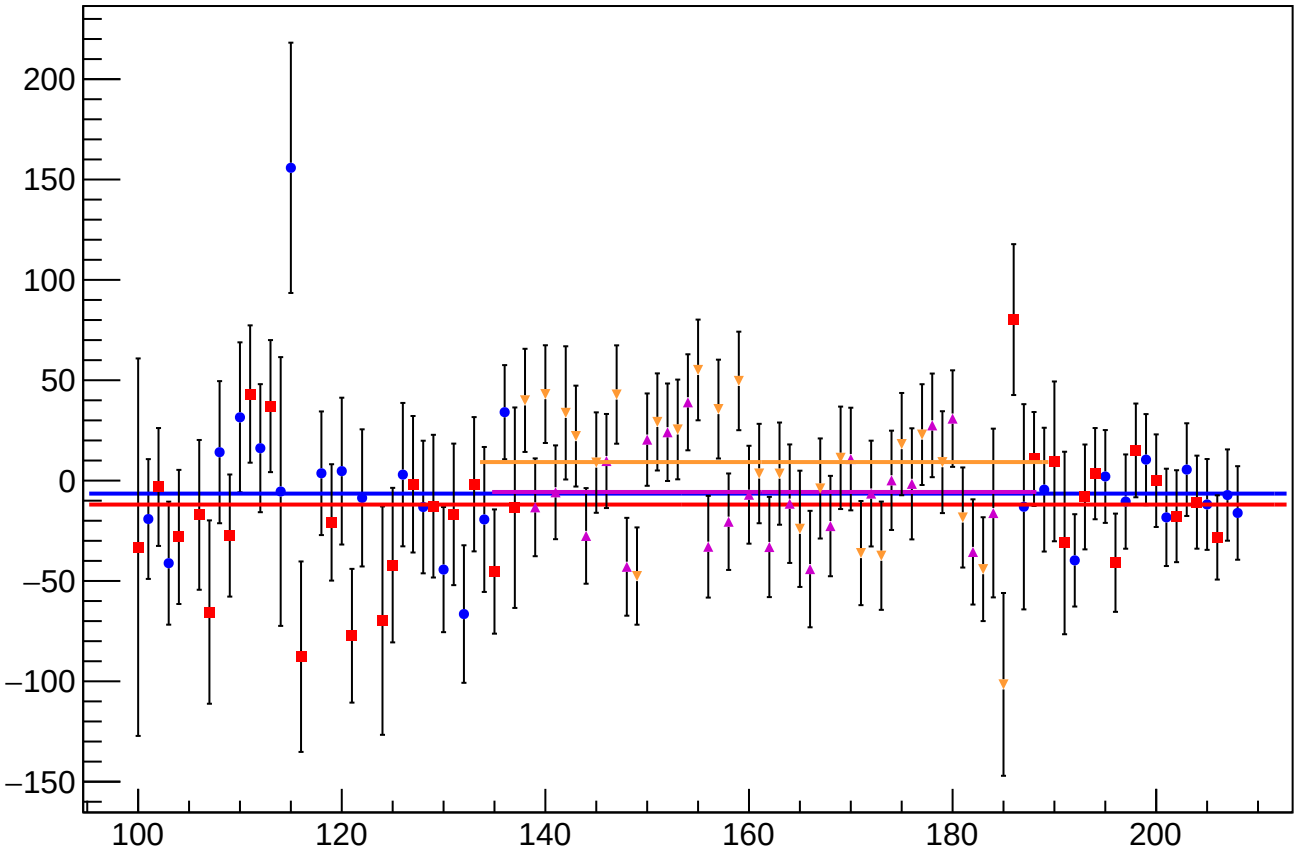
Right Out: 171.504+/-0.032 χ^2/NDF: 2879899.3/30

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 183.621+/-0.023 χ^2/NDF: 4403723.6/51

All: 179.702+/-0.016 χ^2/NDF: 9007306.9/105

- sign 175.981+/-0.022 χ^2/NDF: 4546228.4/53



Right In: -6.478+/-5.569 χ^2/NDF: 21.7/26

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -11.937+/-5.503 χ^2/NDF: 27.9/30

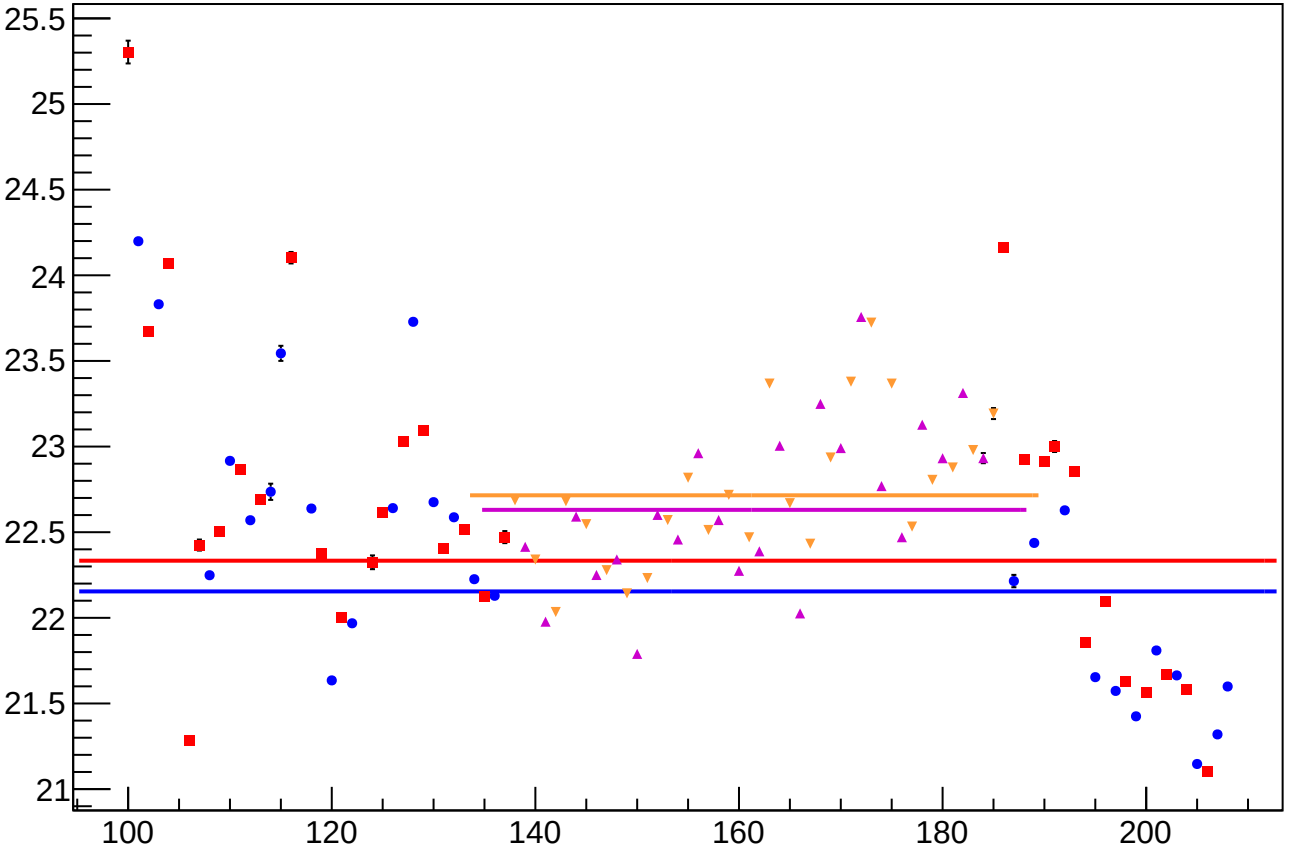
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 1.972+/-3.786 χ^2/NDF: 65.4/51

All: -3.315+/-2.686 χ^2/NDF: 118.7/105

- sign -8.676+/-3.812 χ^2/NDF: 49.4/53

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.154+/-0.004 χ^2/NDF: 38817.2/26

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.334+/-0.004 χ^2/NDF: 42334.6/30

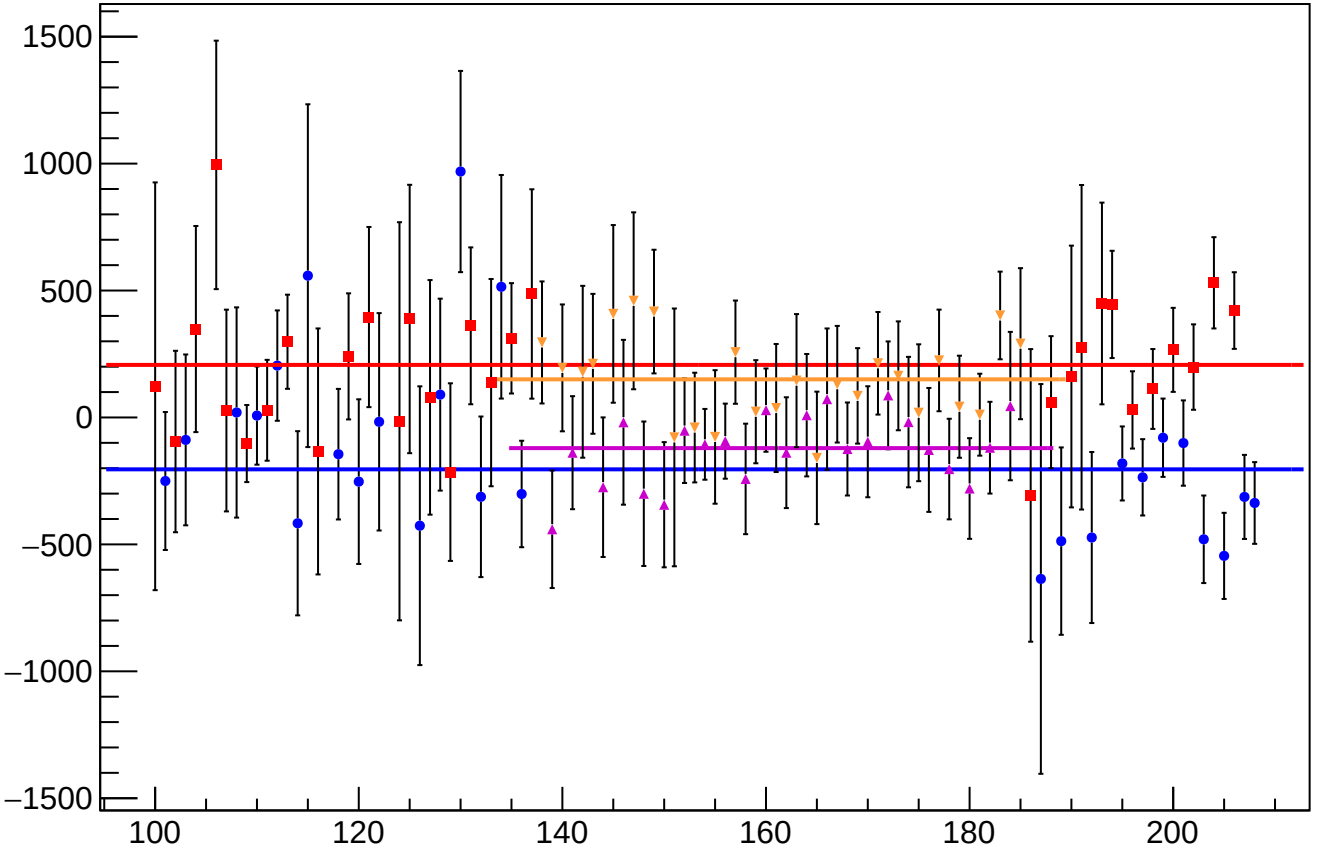
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.456+/-0.003 χ^2/NDF: 61921.4/51

All: 22.472+/-0.002 χ^2/NDF: 122745.3/105

- sign 22.488+/-0.003 χ^2/NDF: 60753.1/53

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -204.389+/-44.696 χ^2/NDF: 29.9/26

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: 207.052+/-44.871 χ^2/NDF: 22.2/30

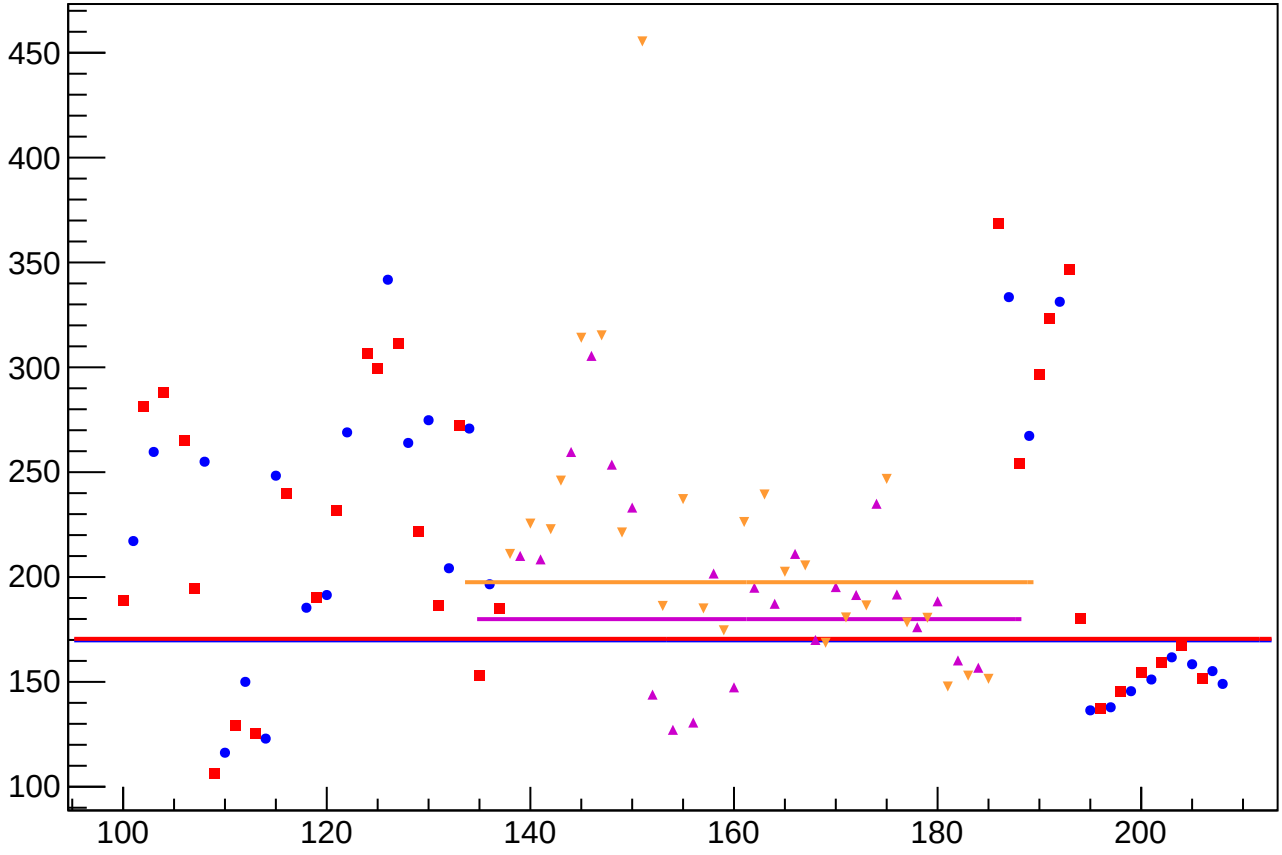
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -34.231+/-32.235 χ^2/NDF: 71.1/51

All: 3.688+/-22.488 χ^2/NDF: 131.2/105

- sign 39.637+/-31.387 χ^2/NDF: 57.4/53

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.799+/-0.032 χ^2/NDF: 2285010.3/26

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

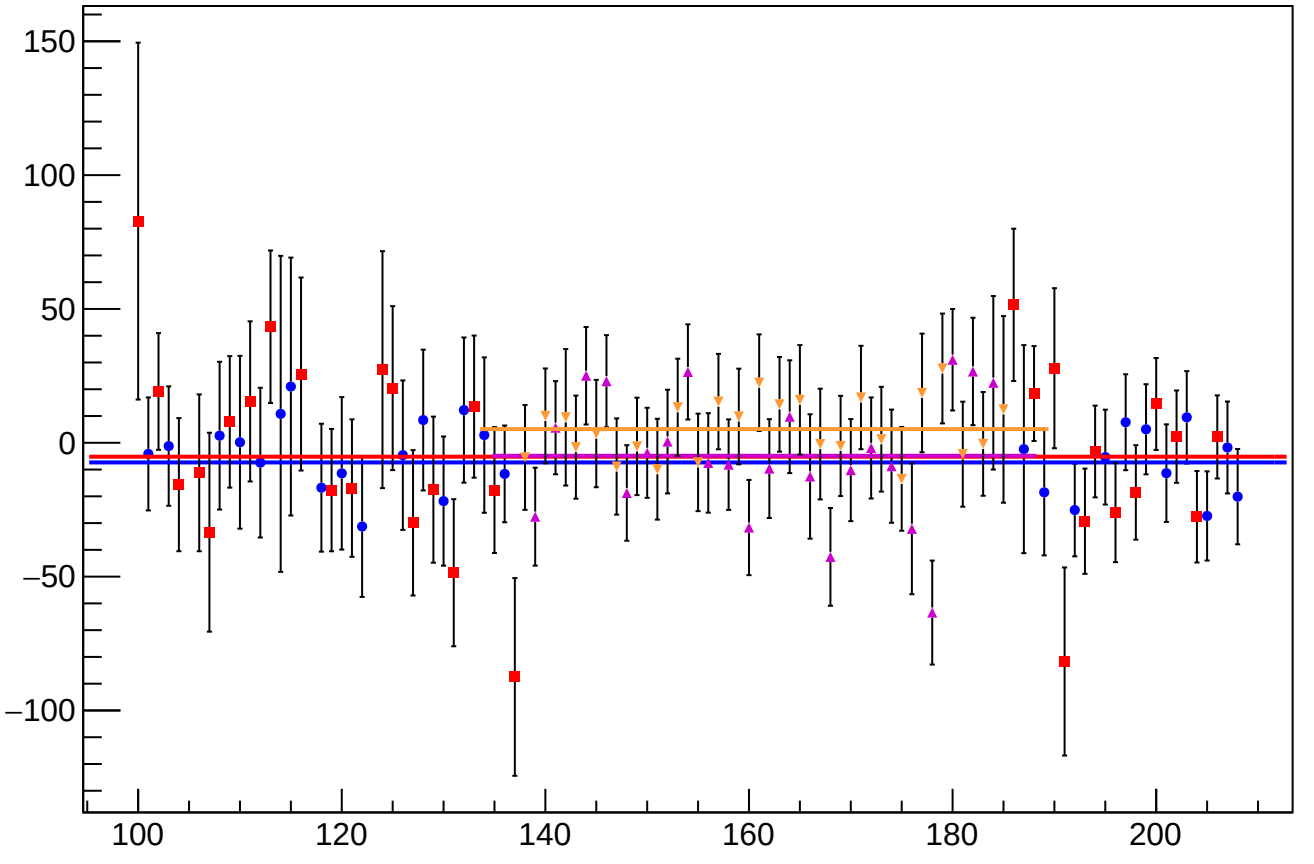
Right Out: 170.529+/-0.032 χ^2/NDF: 2953076.3/30

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 183.108+/-0.023 χ^2/NDF: 4444435.3/51

All: 179.114+/-0.016 χ^2/NDF: 9126248.3/105

- sign 175.327+/-0.022 χ^2/NDF: 4621994.2/53



Right In: -7.343+/-4.257 χ^2/NDF: 8.8/26

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: -5.201+/-4.211 χ^2/NDF: 37.7/30

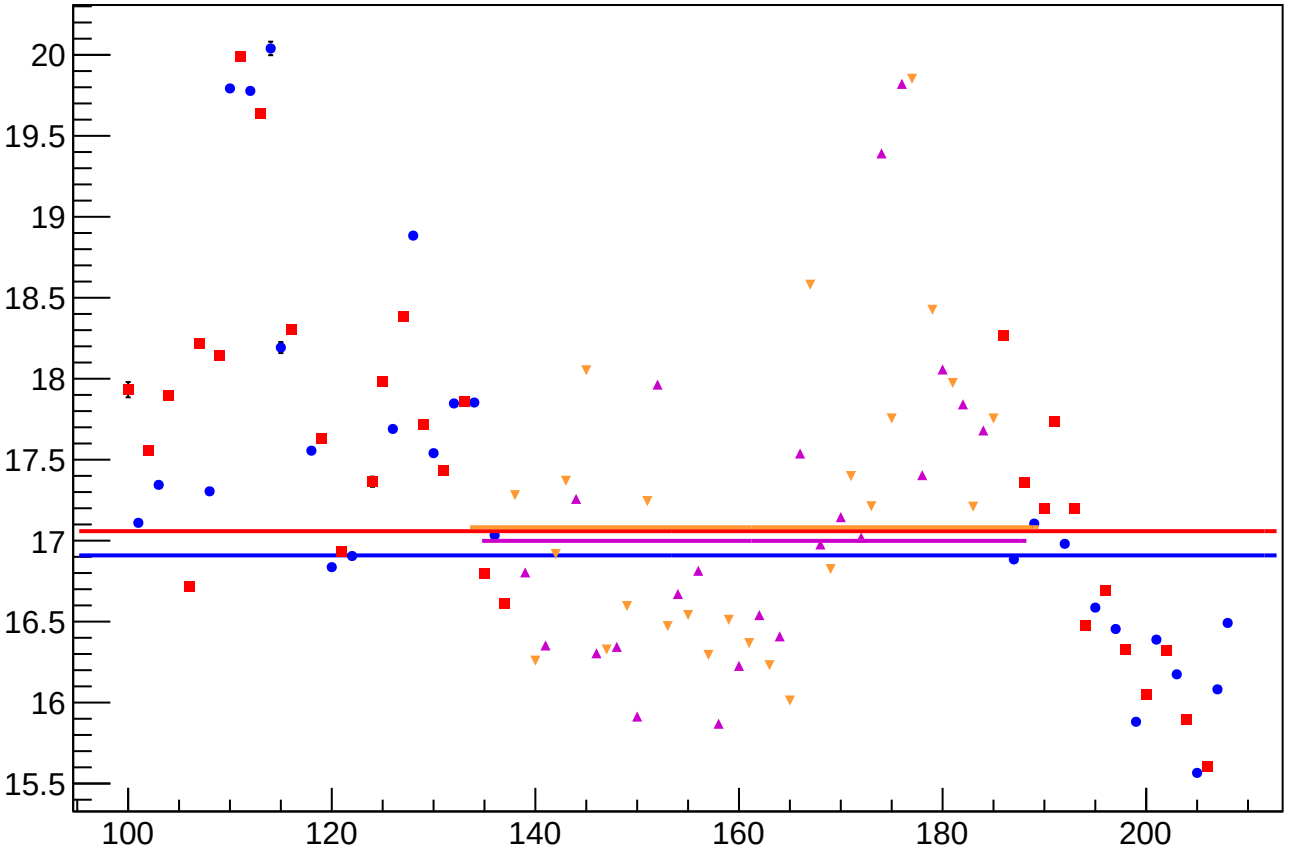
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign -0.551+/-2.872 χ^2/NDF: 21.4/51

All: -2.769+/-2.038 χ^2/NDF: 95.8/105

- sign -5.020+/-2.892 χ^2/NDF: 73.2/53

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.909+/-0.003 χ^2/NDF: 99289.6/26

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 17.059+/-0.003 χ^2/NDF: 108625.6/30

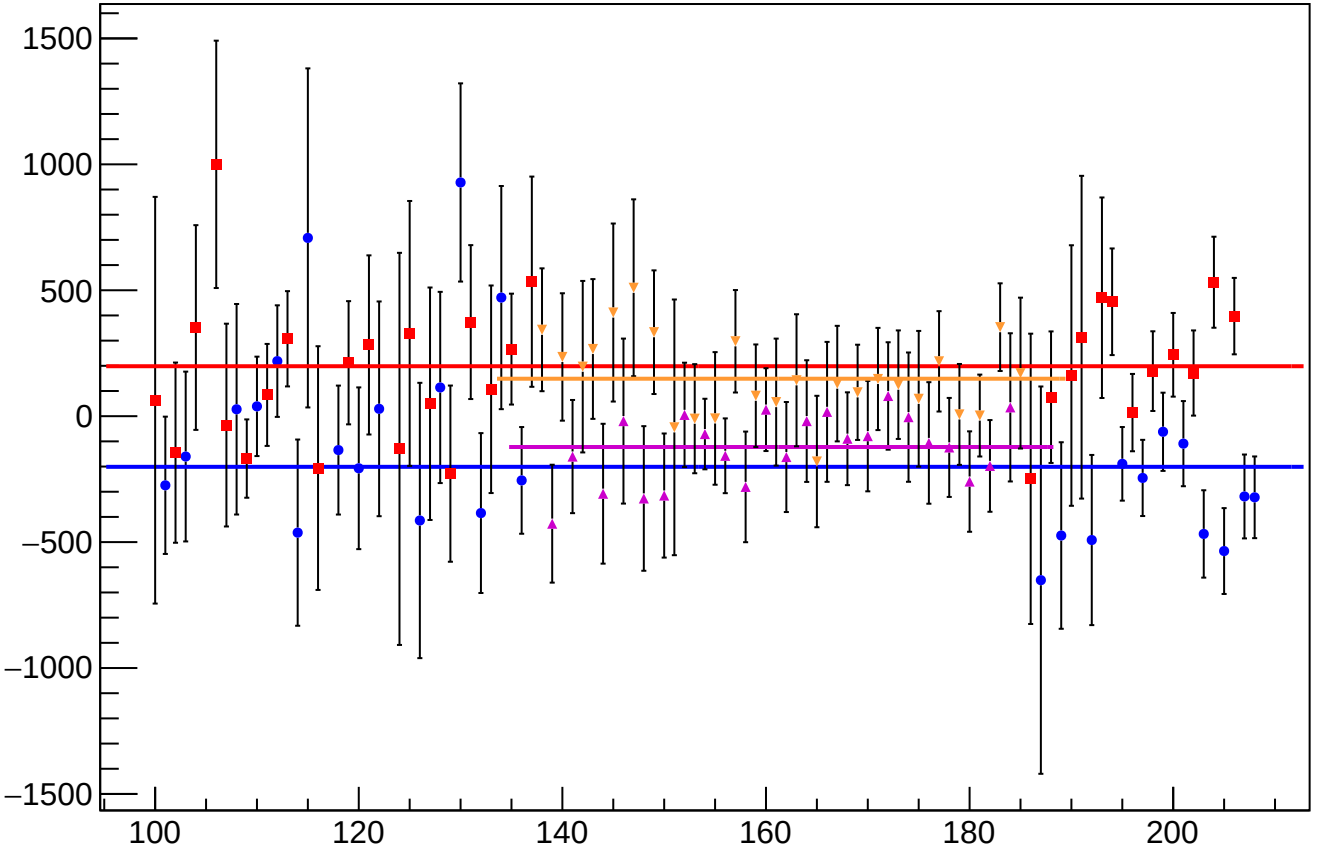
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.004+/-0.002 χ^2/NDF: 197883.4/51

All: 17.015+/-0.001 χ^2/NDF: 410808.6/105

- sign 17.027+/-0.002 χ^2/NDF: 212860.3/53

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -201.094+/-44.970 χ^2/NDF: 30.0/26

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 198.369+/-45.201 χ^2/NDF: 23.5/30

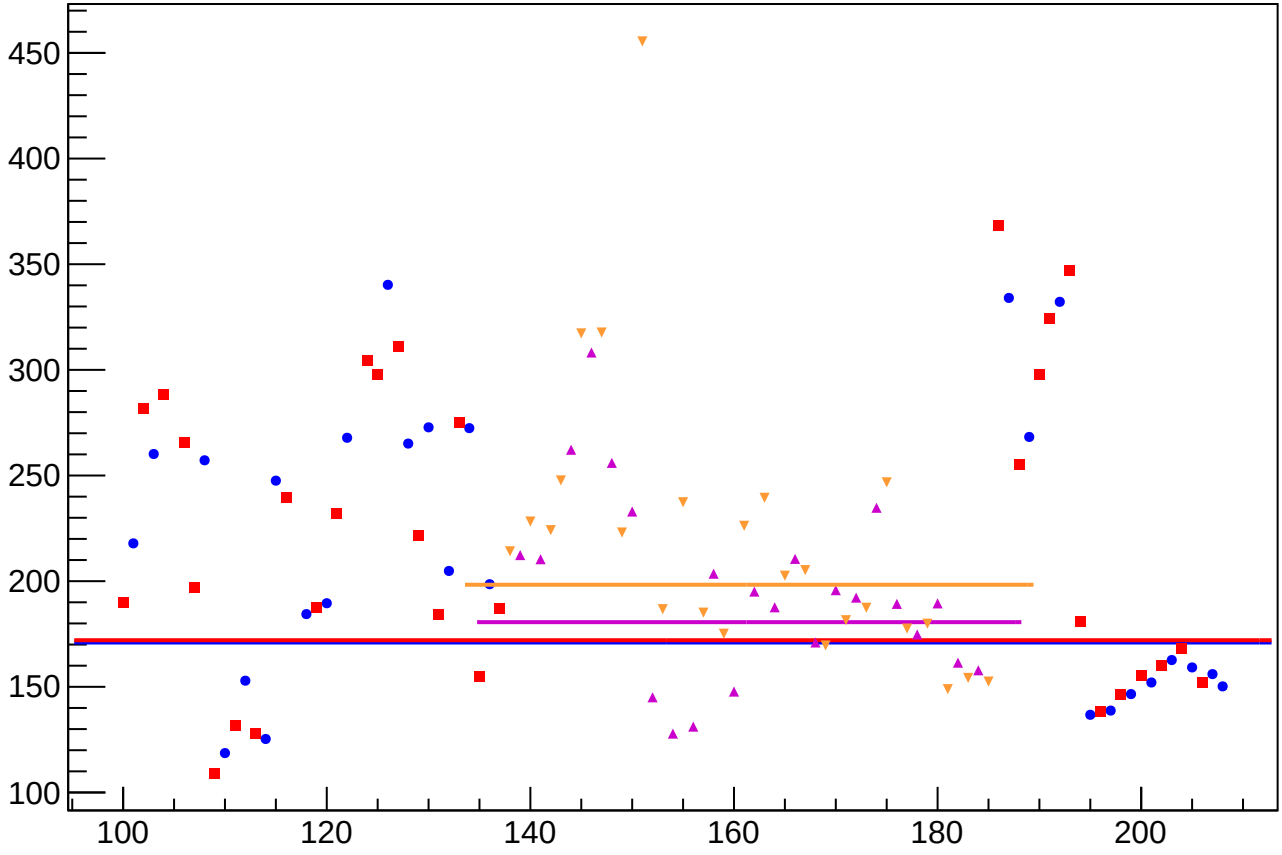
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign -32.819+/-32.398 χ^2/NDF: 68.6/51

All: 1.454+/-22.606 χ^2/NDF: 128.0/105

- sign 33.974+/-31.558 χ^2/NDF: 57.2/53

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 170.974+/-0.032 χ^2/NDF: 2241758.6/26

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

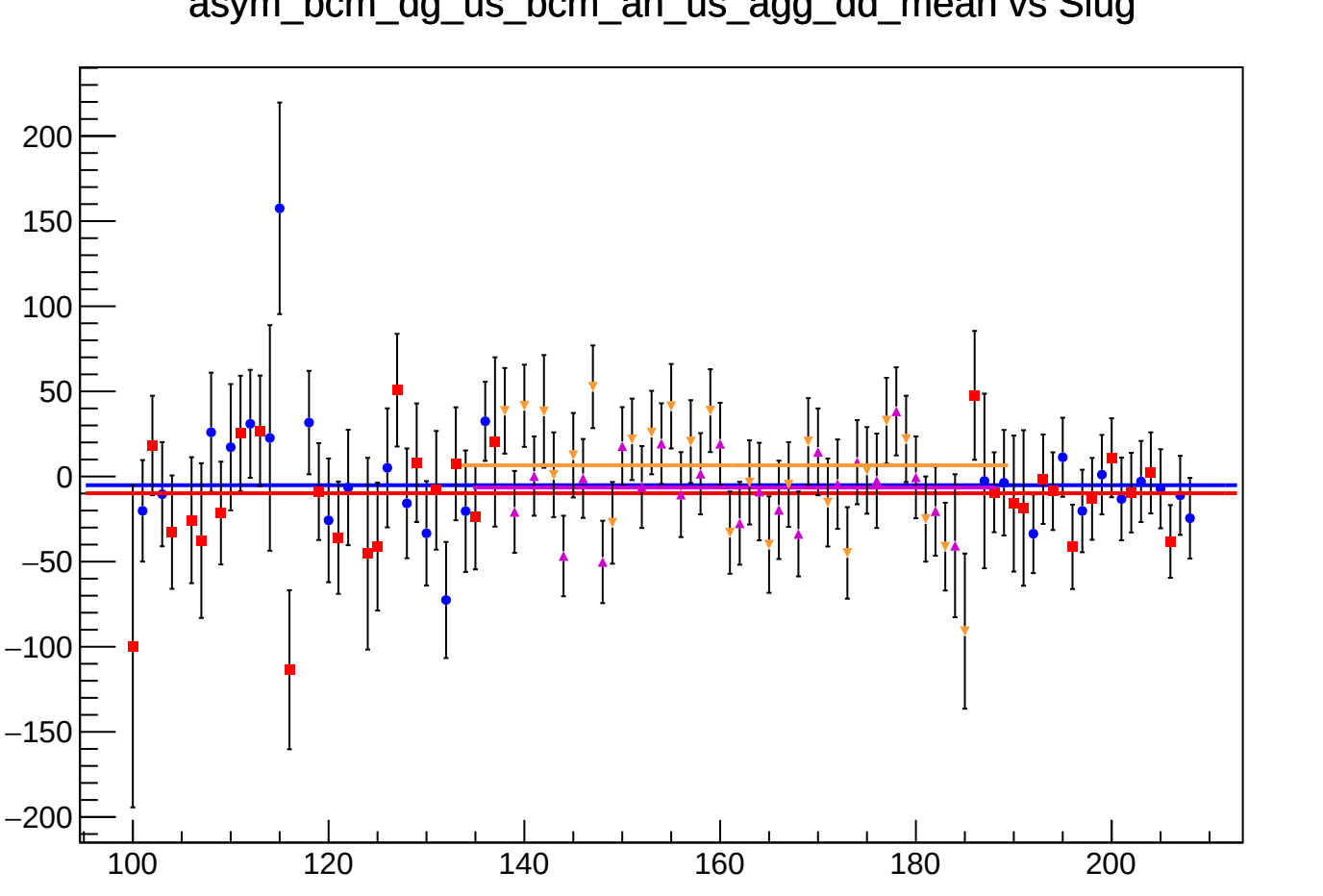
Right Out: 172.055+/-0.032 χ^2/NDF: 2862622.9/30

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

\+ sign 184.124+/-0.023 χ^2/NDF: 4387583.9/51

All: 180.179+/-0.016 χ^2/NDF: 8972723.9/105

\- sign 176.435+/-0.022 χ^2/NDF: 4527343.7/53



Right In: -5.117+/-5.597 χ^2/NDF: 22.6/26

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

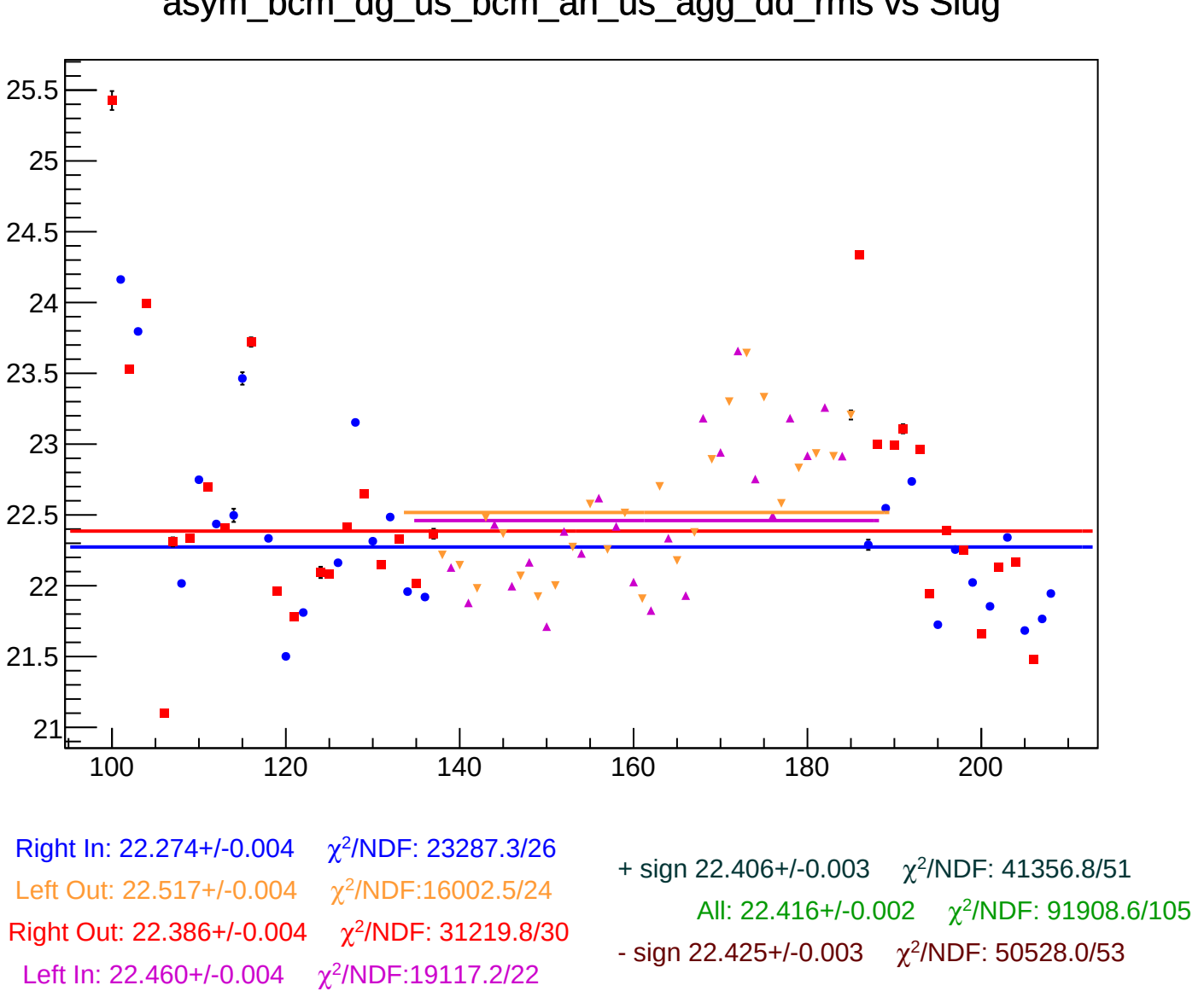
Right Out: -9.837+/-5.515 χ^2/NDF: 23.4/30

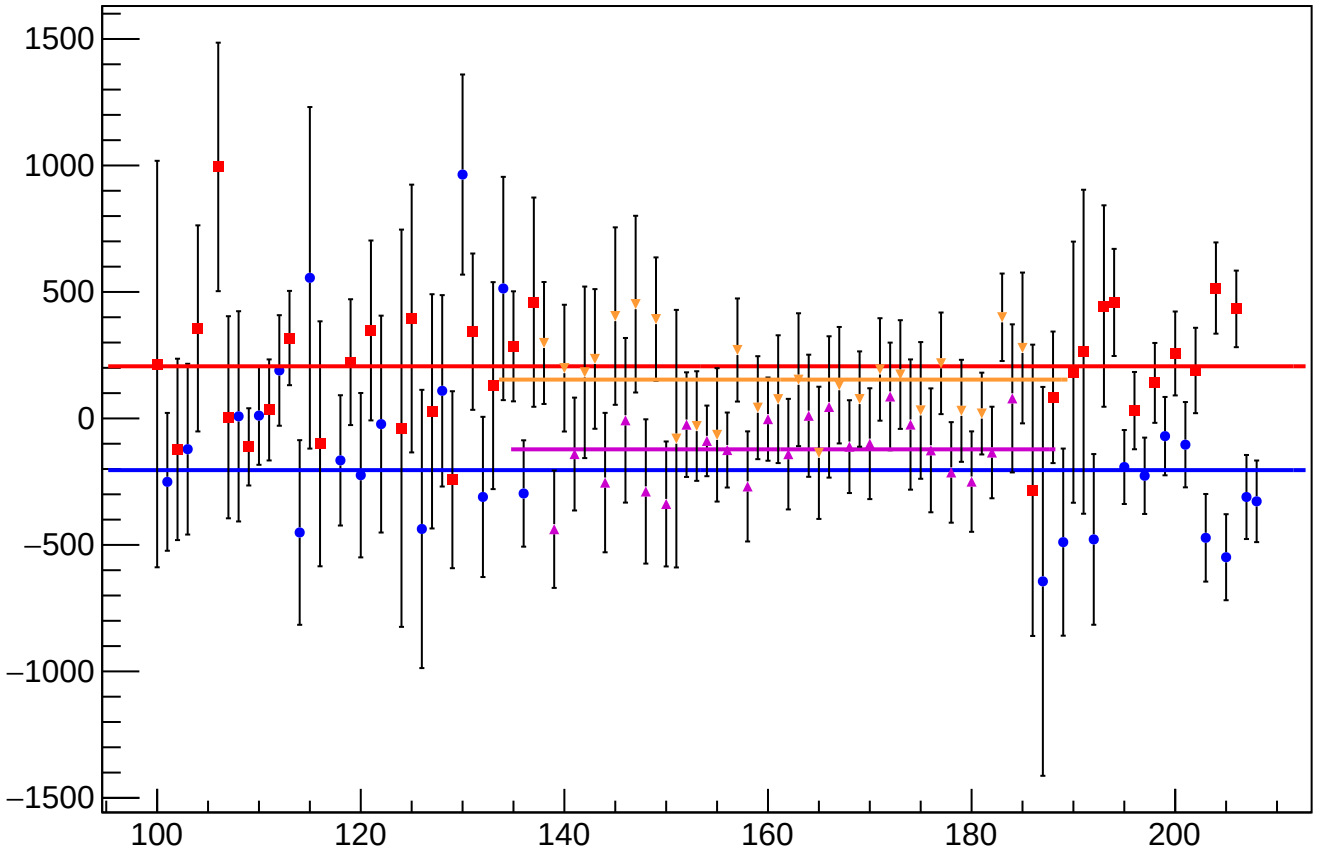
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 1.272+/-3.777 χ^2/NDF: 61.9/51

All: -3.372+/-2.679 χ^2/NDF: 106.0/105

- sign -8.076+/-3.801 χ^2/NDF: 41.0/53


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug
25.5
25
24.5
24
23.5
23
22.5
22
21.5
21
100
120
140
160
180
200
Right In: 22.274+/-0.004 χ²/NDF: 23287.3/26
Left Out: 22.517+/-0.004 χ²/NDF:16002.5/24
Right Out: 22.386+/-0.004 χ²/NDF: 31219.8/30
Left In: 22.460+/-0.004 χ²/NDF:19117.2/22
+ sign 22.406+/-0.003 χ²/NDF: 41356.8/51
All: 22.416+/-0.002 χ²/NDF: 91908.6/105
- sign 22.425+/-0.003 χ²/NDF: 50528.0/53



Right In: -204.349+/-44.833 χ^2/NDF: 29.5/26

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: 206.132+/-45.004 χ^2/NDF: 22.1/30

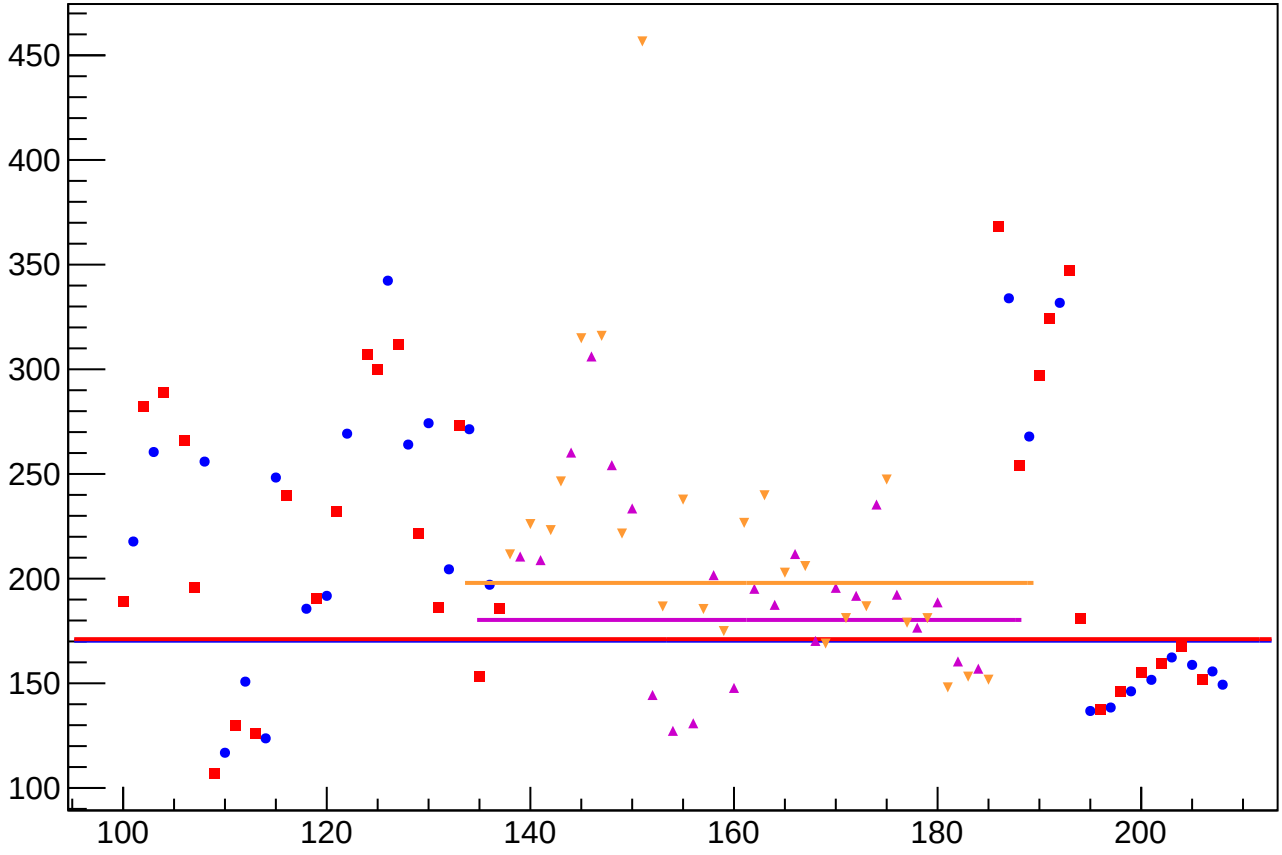
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign -32.470+/-32.320 χ^2/NDF: 70.2/51

All: 3.867+/-22.545 χ^2/NDF: 129.4/105

- sign 38.303+/-31.464 χ^2/NDF: 56.8/53

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 170.358+/-0.032 χ^2/NDF: 2272220.3/26

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

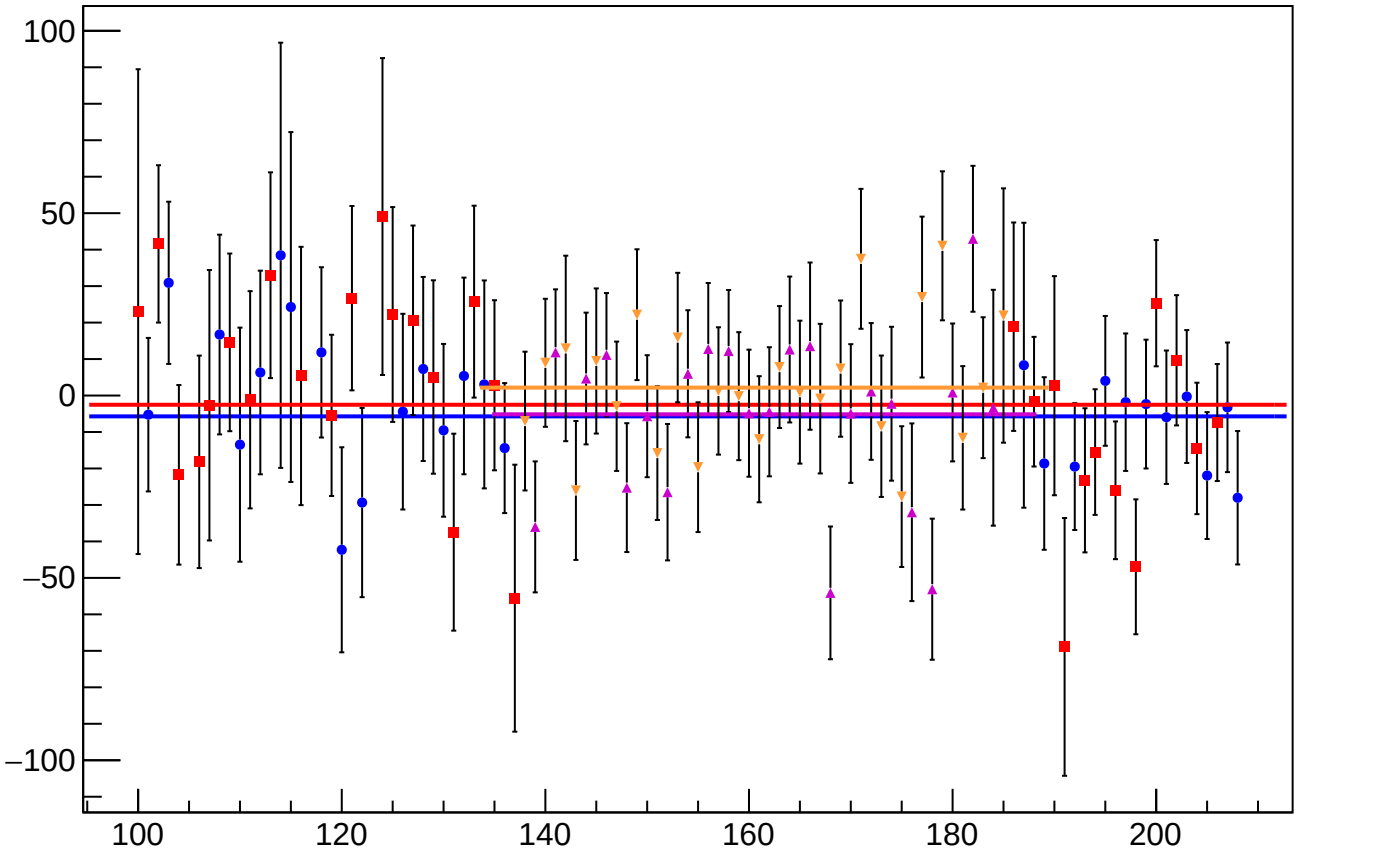
Right Out: 171.087+/-0.032 χ^2/NDF: 2934914.3/30

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 183.614+/-0.023 χ^2/NDF: 4427615.0/51

All: 179.594+/-0.016 χ^2/NDF: 9090083.8/105

- sign 175.784+/-0.022 χ^2/NDF: 4602203.7/53



Right In: -5.713+/-4.300 χ^2/NDF: 12.4/26

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -2.529+/-4.233 χ^2/NDF: 33.4/30

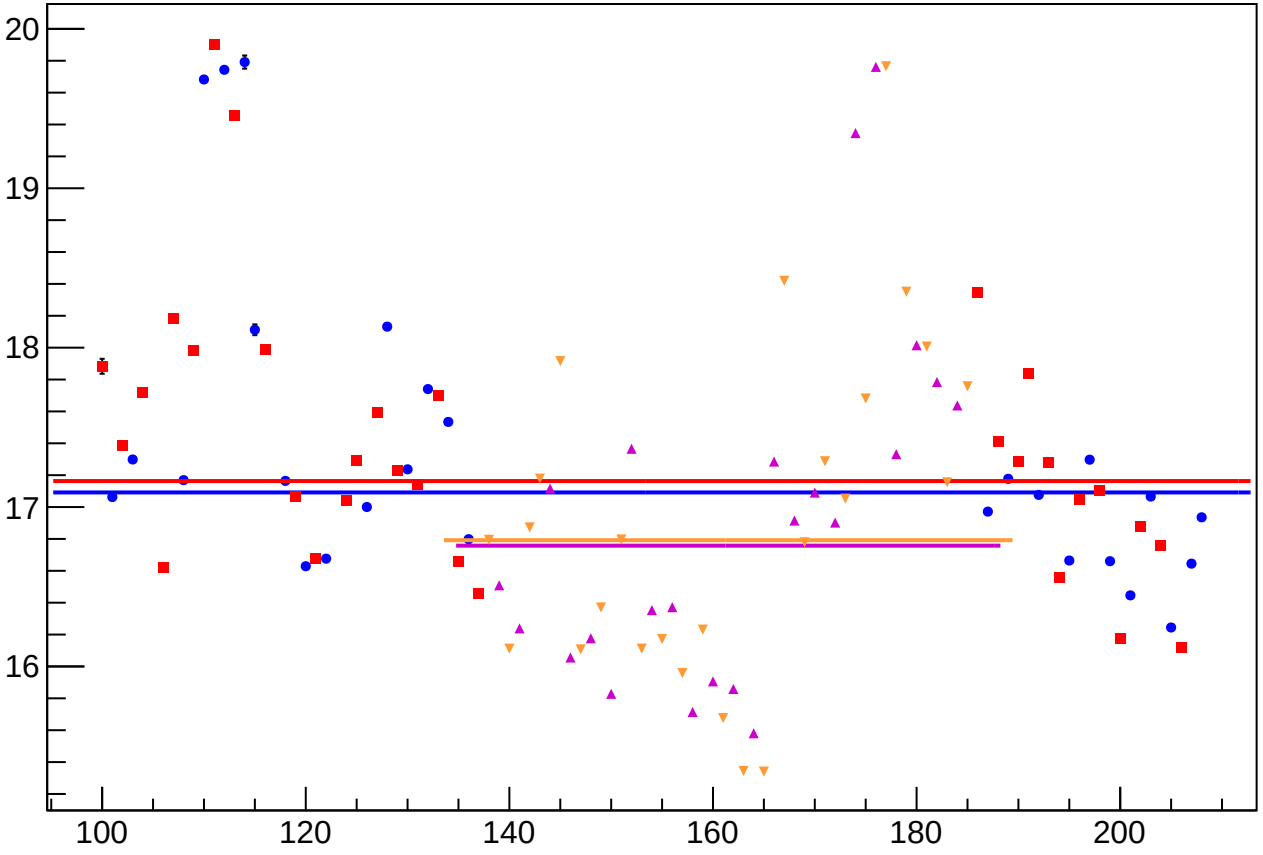
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -1.310+/-2.858 χ^2/NDF: 34.2/51

All: -2.615+/-2.028 χ^2/NDF: 100.5/105

- sign -3.939+/-2.878 χ^2/NDF: 65.9/53

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.092+/-0.003 χ^2/NDF: 54502.3/26

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.163+/-0.003 χ^2/NDF: 64784.4/30

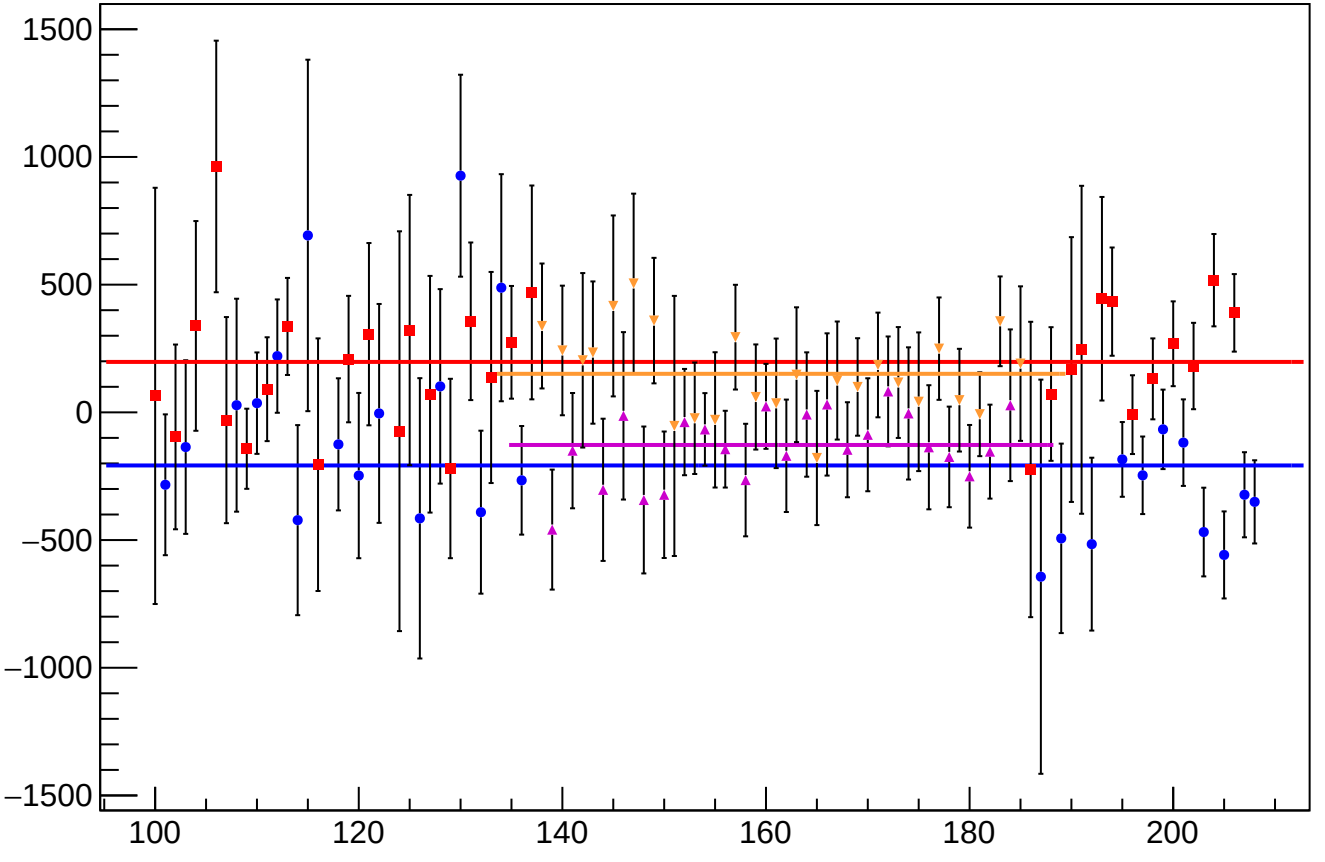
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.924+/-0.002 χ^2/NDF: 196926.6/51

All: 16.935+/-0.001 χ^2/NDF: 394935.2/105

\- sign 16.945+/-0.002 χ^2/NDF: 197956.1/53

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -207.913+/-45.113 χ^2/NDF: 30.6/26

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: 197.482+/-45.356 χ^2/NDF: 21.6/30

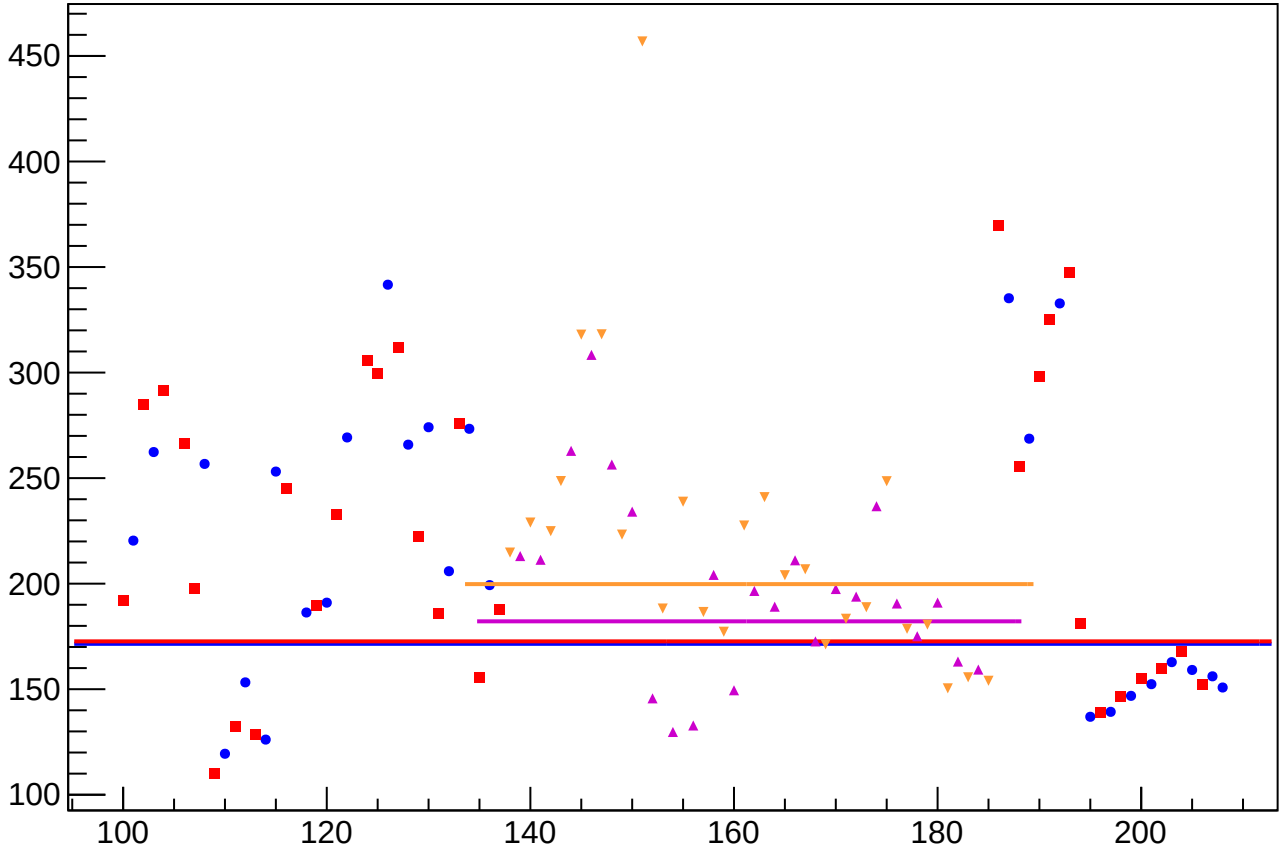
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign -35.994+/-32.558 χ^2/NDF: 70.9/51

All: -1.376+/-22.726 χ^2/NDF: 128.8/105

- sign 31.519+/-31.738 χ^2/NDF: 55.7/53

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 171.497+/-0.032 χ^2/NDF: 2252234.1/26

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

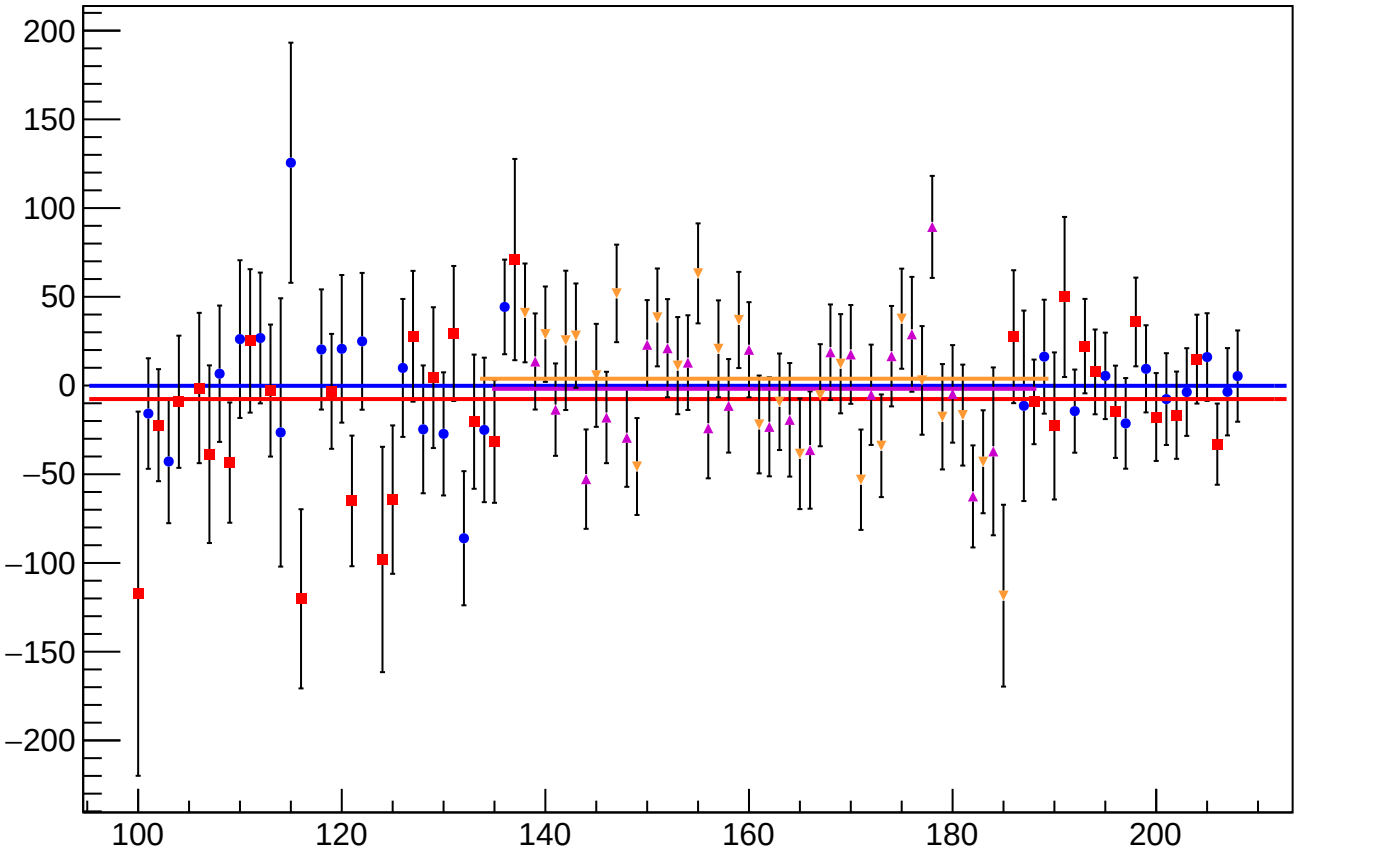
Right Out: 172.663+/-0.032 χ^2/NDF: 2866803.5/30

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 185.051+/-0.023 χ^2/NDF: 4389352.2/51

All: 181.182+/-0.016 χ^2/NDF: 8940257.5/105

- sign 177.505+/-0.022 χ^2/NDF: 4495816.2/53



Right In: -0.161+/-6.062 χ^2/NDF: 18.9/26

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: -7.627+/-5.937 χ^2/NDF: 29.1/30

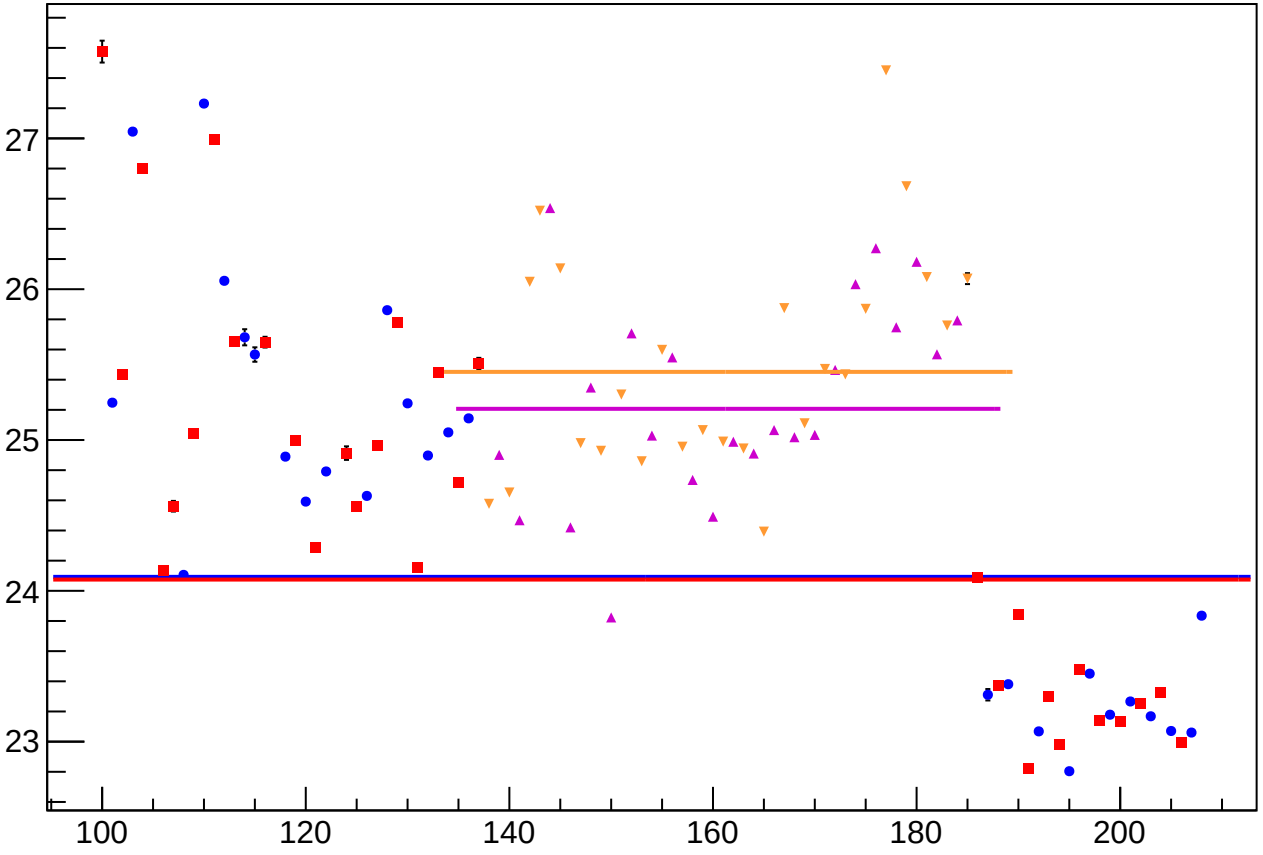
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.927+/-4.186 χ^2/NDF: 56.8/51

All: -1.398+/-2.959 χ^2/NDF: 115.6/105

- sign -4.717+/-4.182 χ^2/NDF: 57.6/53

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.093+/-0.004 χ^2/NDF: 76053.9/26

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

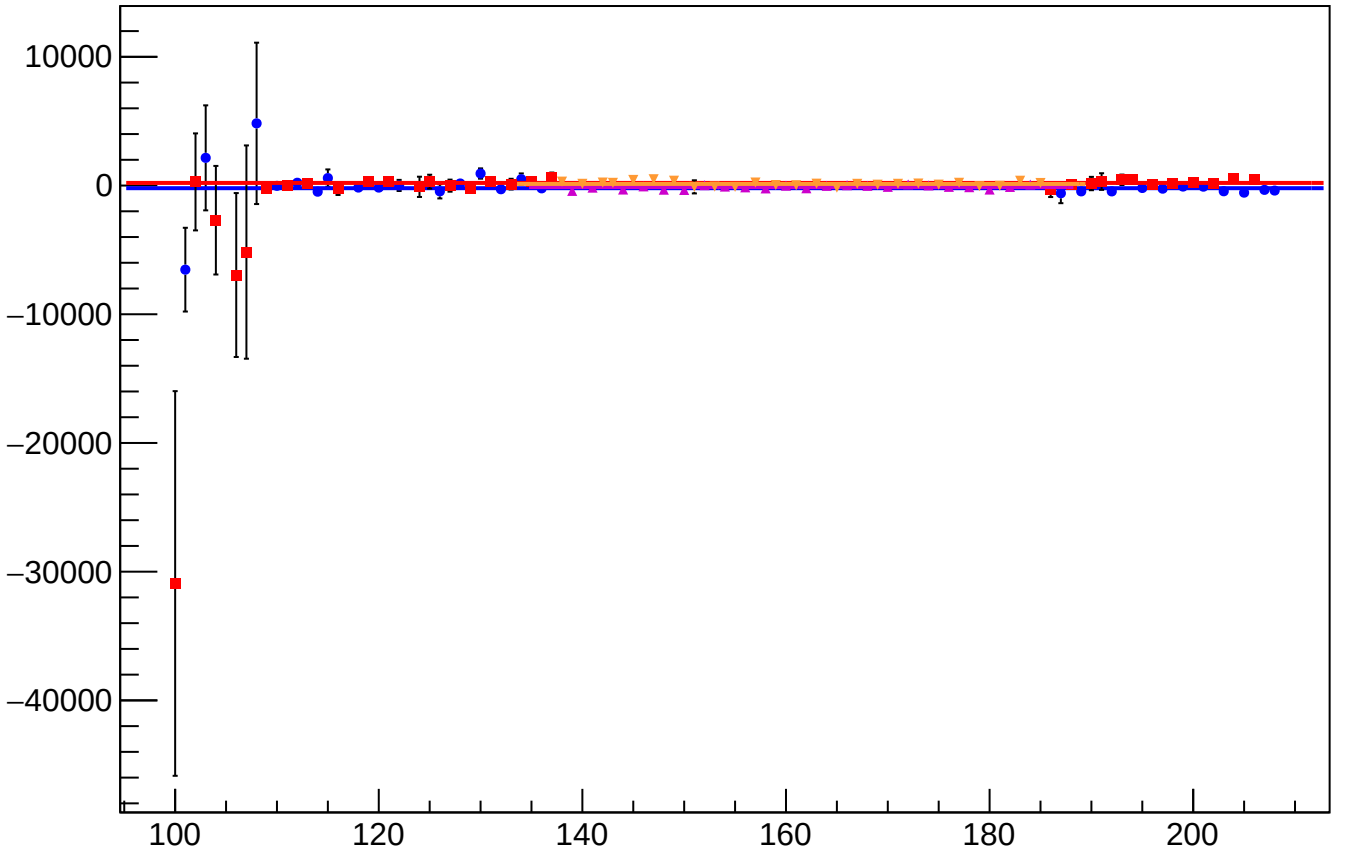
Right Out: 24.075+/-0.004 χ^2/NDF: 70776.9/30

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.804+/-0.003 χ^2/NDF: 158258.4/51

All: 24.724+/-0.002 χ^2/NDF: 292936.8/105

- sign 24.645+/-0.003 χ^2/NDF: 133242.0/53



Right In: -205.764+/-47.225 χ^2/NDF: 33.3/26

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

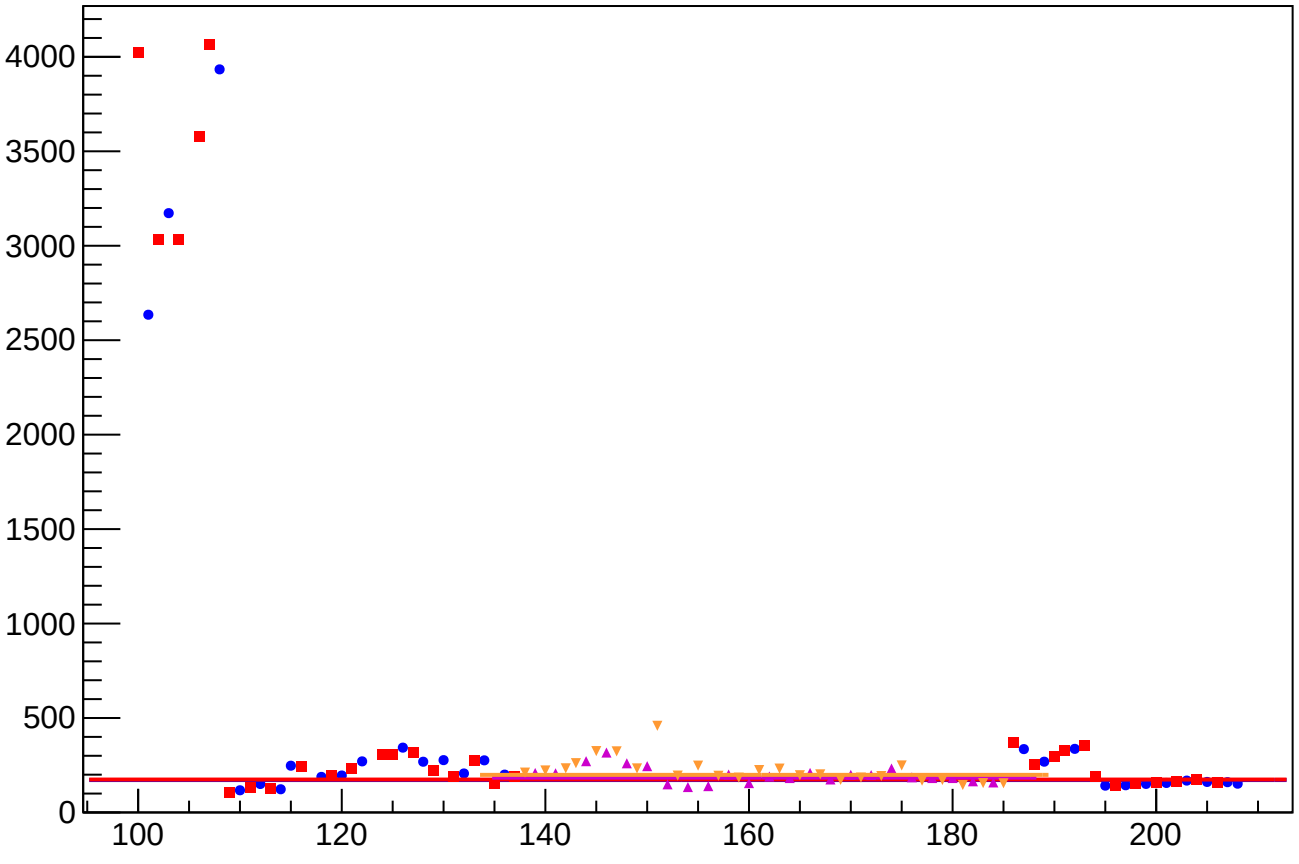
Right Out: 203.577+/-48.250 χ^2/NDF: 24.5/30

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign -39.249+/-33.287 χ^2/NDF: 69.1/51

All: -3.408+/-23.384 χ^2/NDF: 127.6/105

- sign 31.517+/-32.858 χ^2/NDF: 56.2/53



Right In: 171.508+/-0.033 χ^2/NDF: 4856617.7/26

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

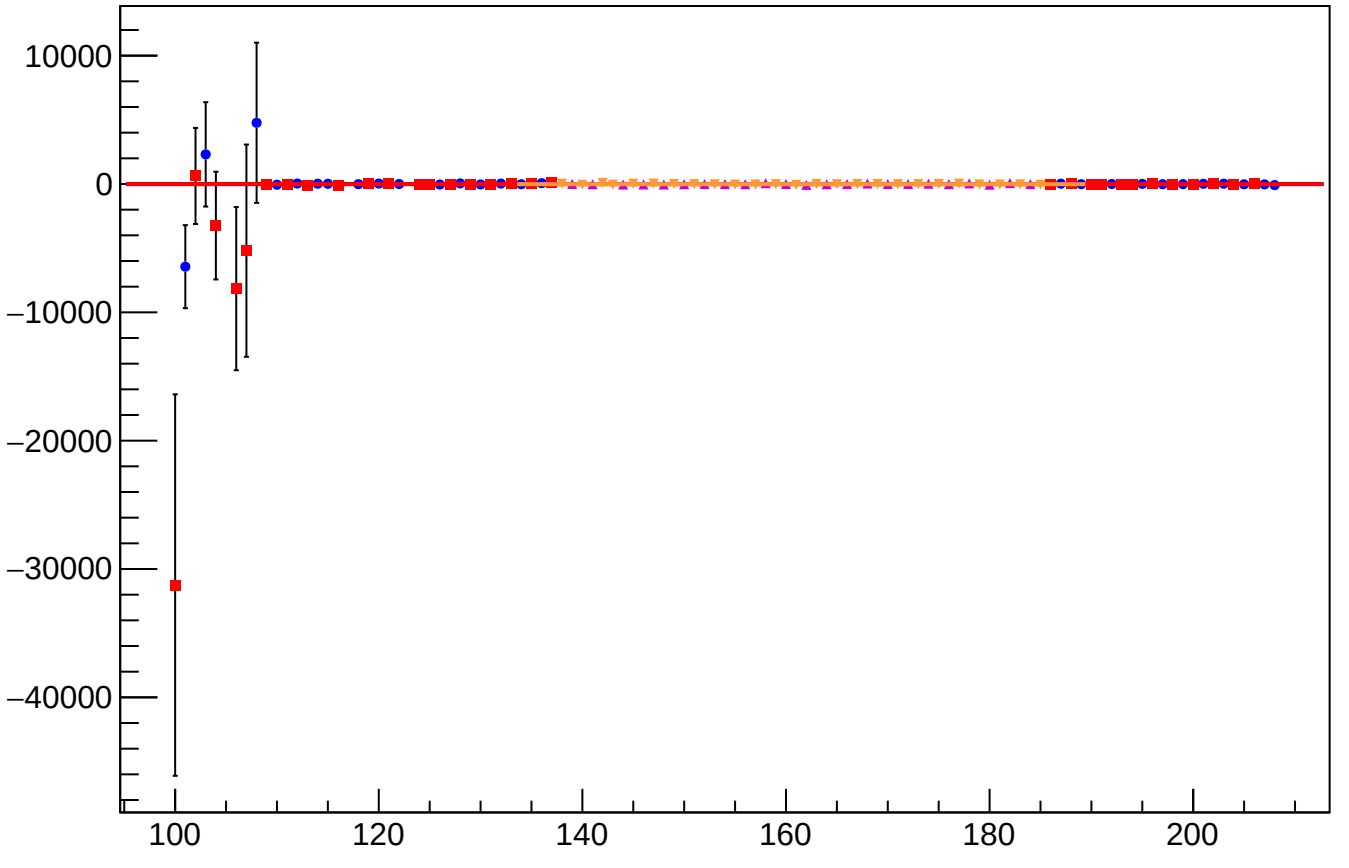
Right Out: 174.159+/-0.034 χ^2/NDF: 5509344.1/30

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 185.339+/-0.024 χ^2/NDF: 7099666.1/51

All: 182.457+/-0.017 χ^2/NDF: 14133205.0/10

- sign 179.650+/-0.023 χ^2/NDF: 7003953.7/53



Right In: -3.979+/-7.280 χ^2/NDF: 28.2/26

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -10.695+/-7.258 χ^2/NDF: 30.3/30

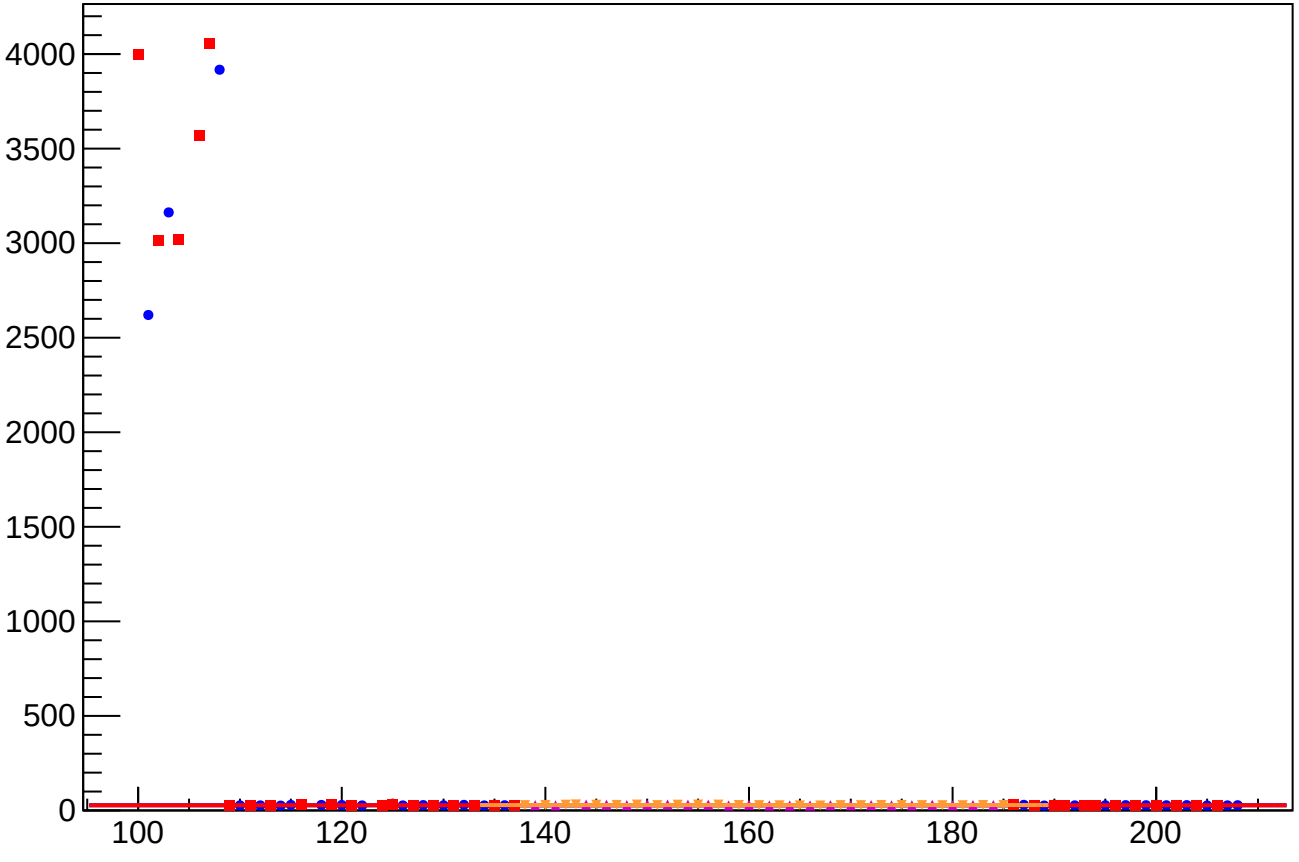
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -10.006+/-4.853 χ^2/NDF: 51.7/51

All: -8.079+/-3.457 χ^2/NDF: 111.3/105

- sign -6.096+/-4.924 χ^2/NDF: 59.3/53

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.414+/-0.005 χ^2/NDF: 3279588.5/26

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

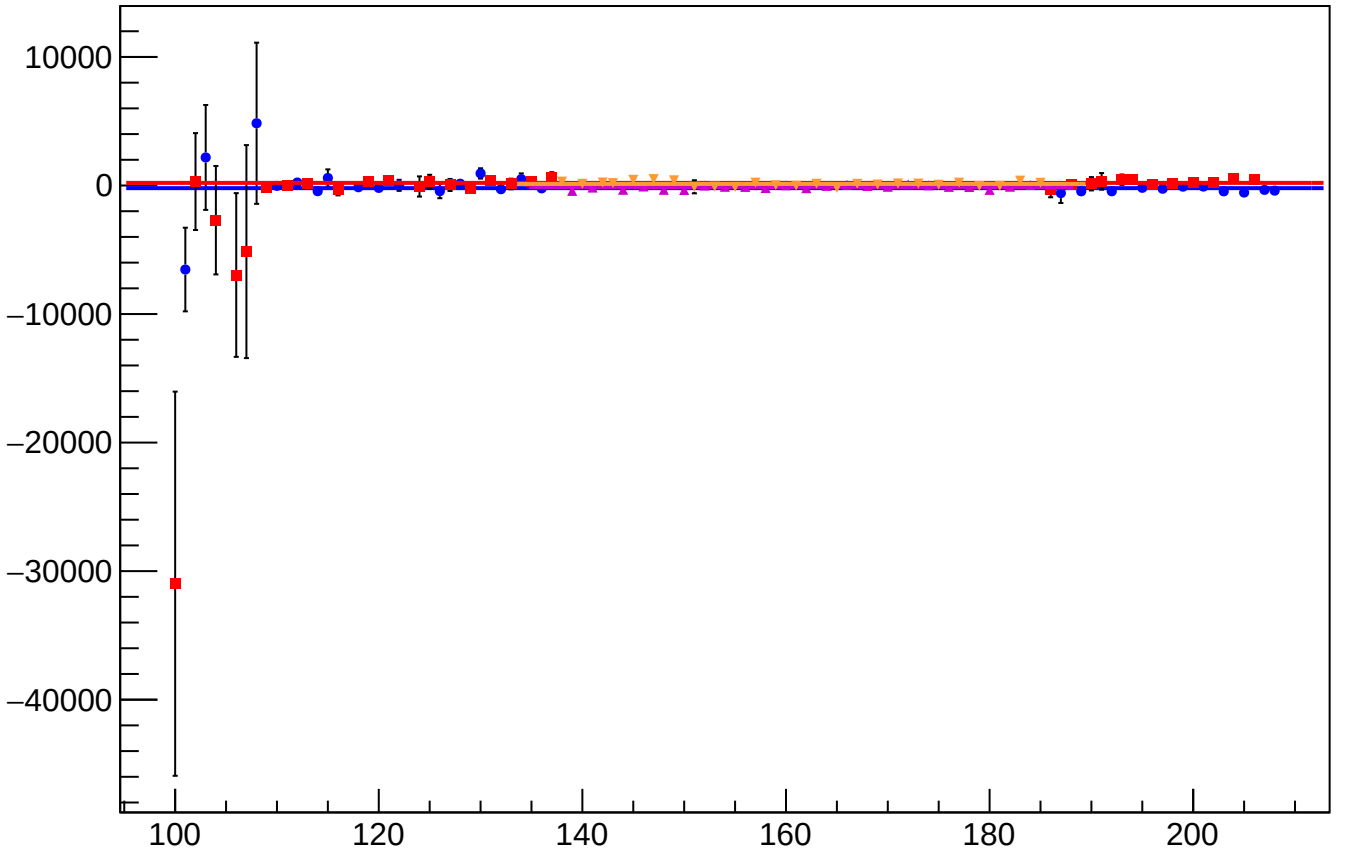
Right Out: 27.503+/-0.005 χ^2/NDF: 3583724.6/30

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.065+/-0.003 χ^2/NDF: 3396508.0/51

All: 28.081+/-0.002 χ^2/NDF: 7128113.3/105

- sign 28.098+/-0.003 χ^2/NDF: 3731558.6/53



Right In: -206.402+/-47.086 χ^2/NDF: 33.7/26

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: 204.180+/-48.118 χ^2/NDF: 24.9/30

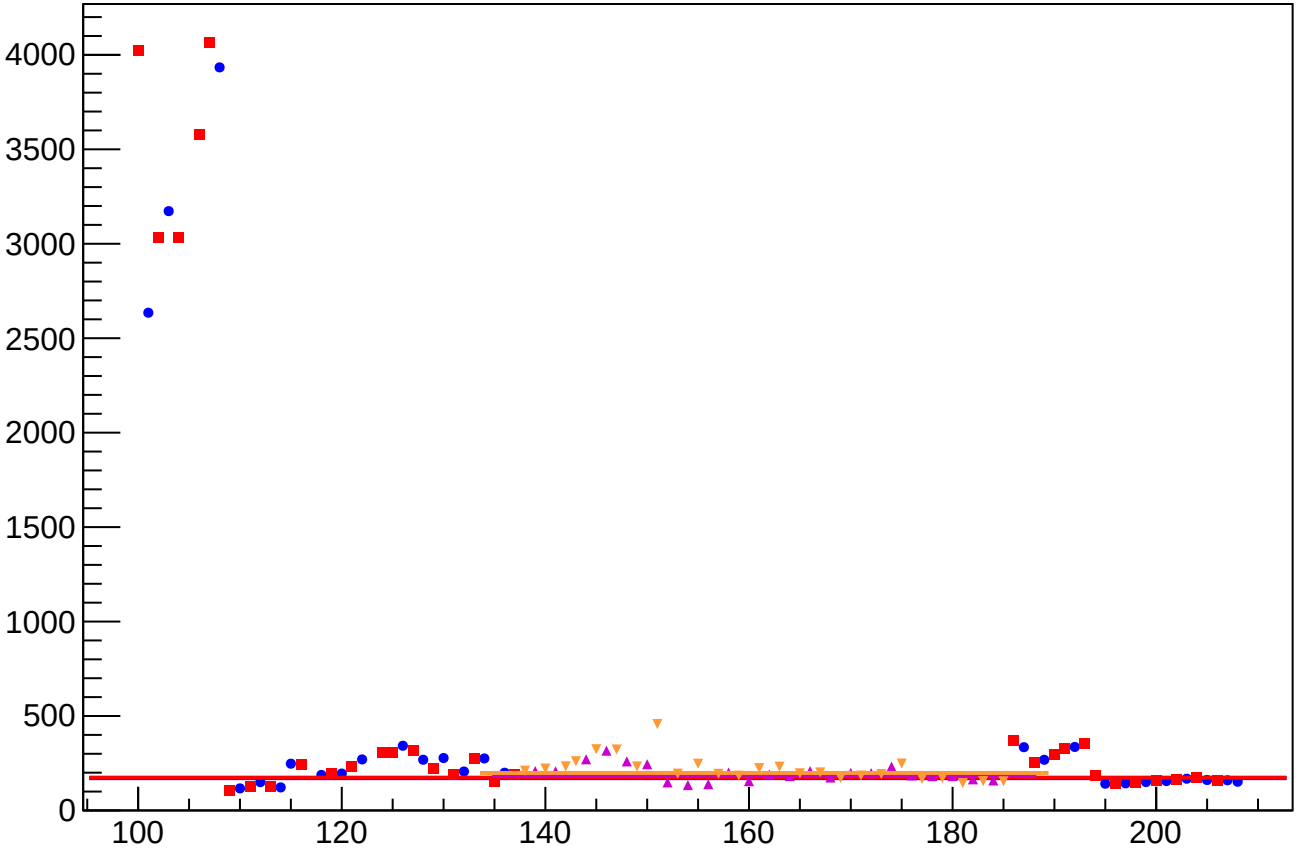
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -41.329+/-33.202 χ^2/NDF: 70.1/51

All: -3.951+/-23.328 χ^2/NDF: 129.6/105

- sign 32.490+/-32.783 χ^2/NDF: 57.1/53

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.964+/-0.033 χ^2/NDF: 4869849.7/26

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

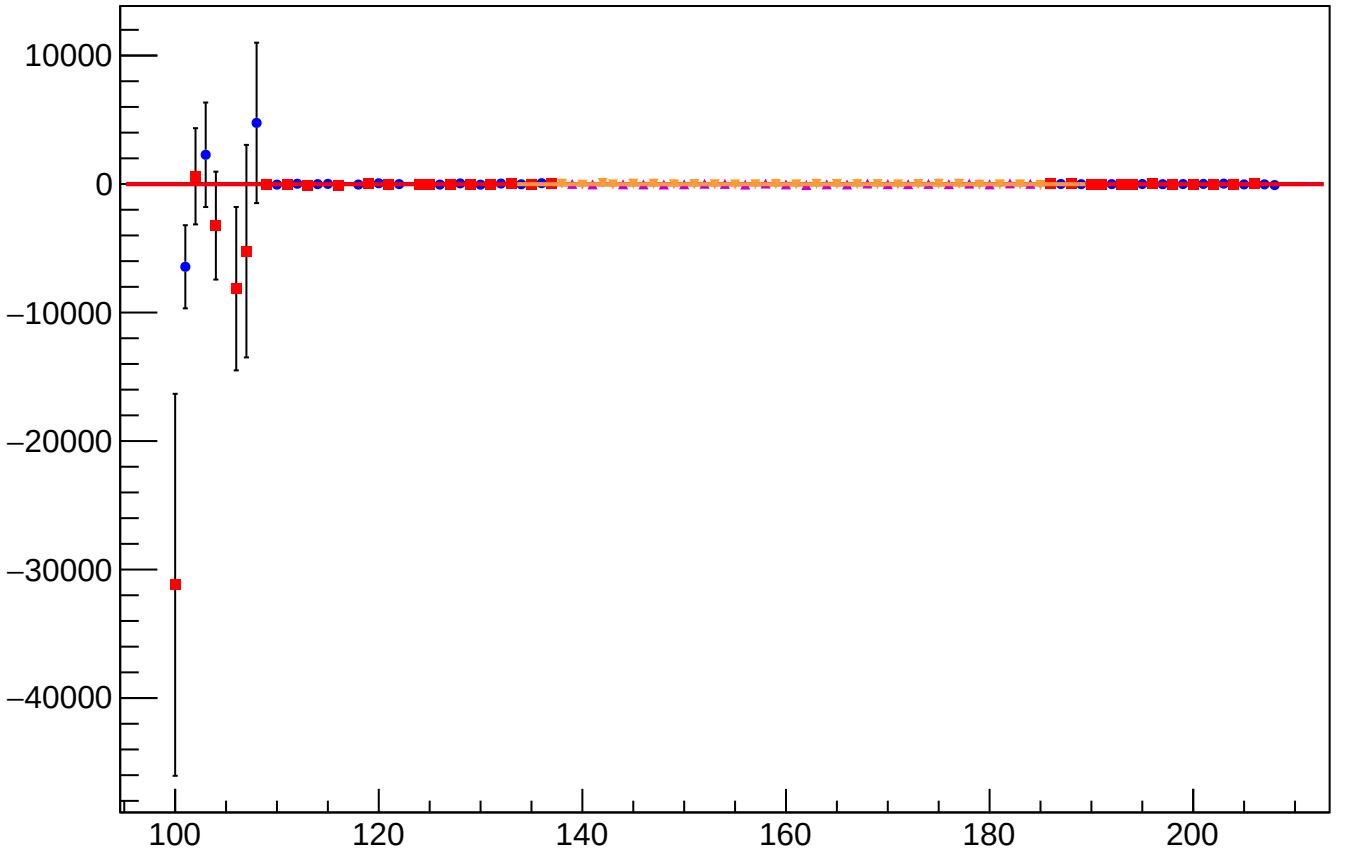
Right Out: 173.627+/-0.034 χ^2/NDF: 5527367.4/30

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 184.844+/-0.023 χ^2/NDF: 7117006.9/51

All: 181.992+/-0.016 χ^2/NDF: 14169235.9/10

- sign 179.212+/-0.023 χ^2/NDF: 7023089.0/53



Right In: -4.880+/-7.257 χ^2/NDF: 28.9/26

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -12.402+/-7.244 χ^2/NDF: 30.7/30

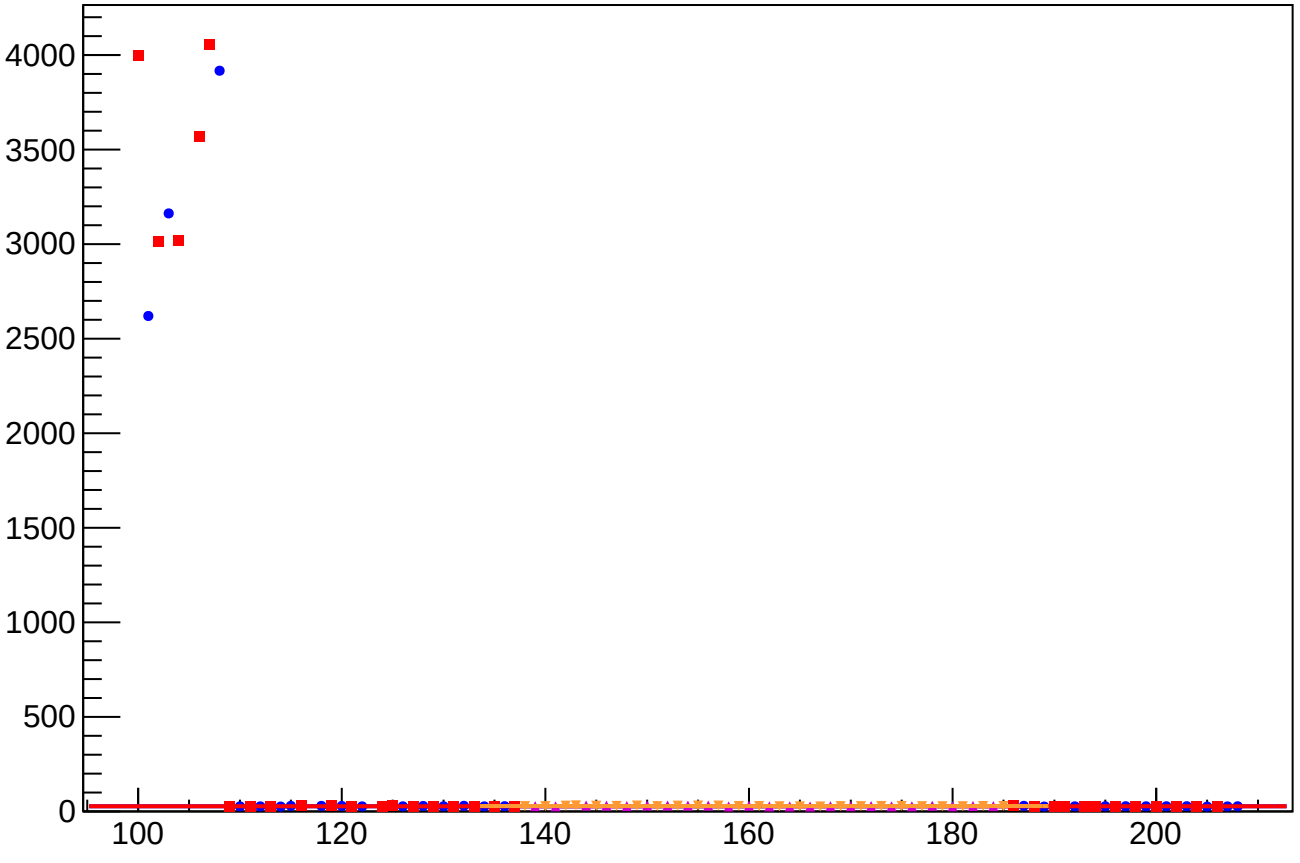
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -8.733+/-4.858 χ^2/NDF: 47.3/51

All: -7.943+/-3.461 χ^2/NDF: 101.2/105

- sign -7.130+/-4.931 χ^2/NDF: 53.8/53

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.321+/-0.005 χ^2/NDF: 3284730.6/26

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

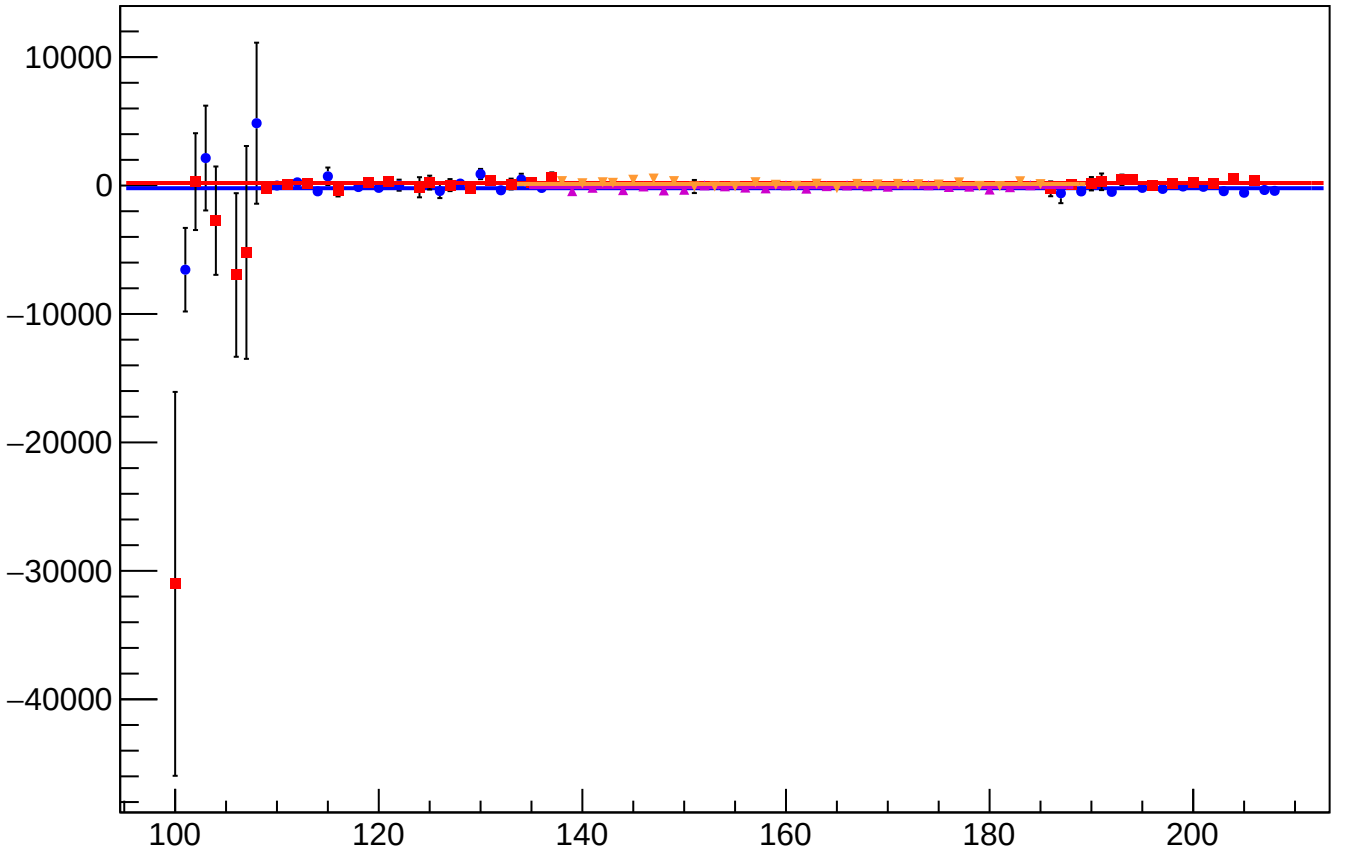
Right Out: 27.452+/-0.005 χ^2/NDF: 3583729.5/30

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.086+/-0.003 χ^2/NDF: 3423893.3/51

All: 28.111+/-0.002 χ^2/NDF: 7168380.4/105

- sign 28.137+/-0.003 χ^2/NDF: 3744379.4/53



Right In: -208.252+/-47.439 χ^2/NDF: 34.6/26

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

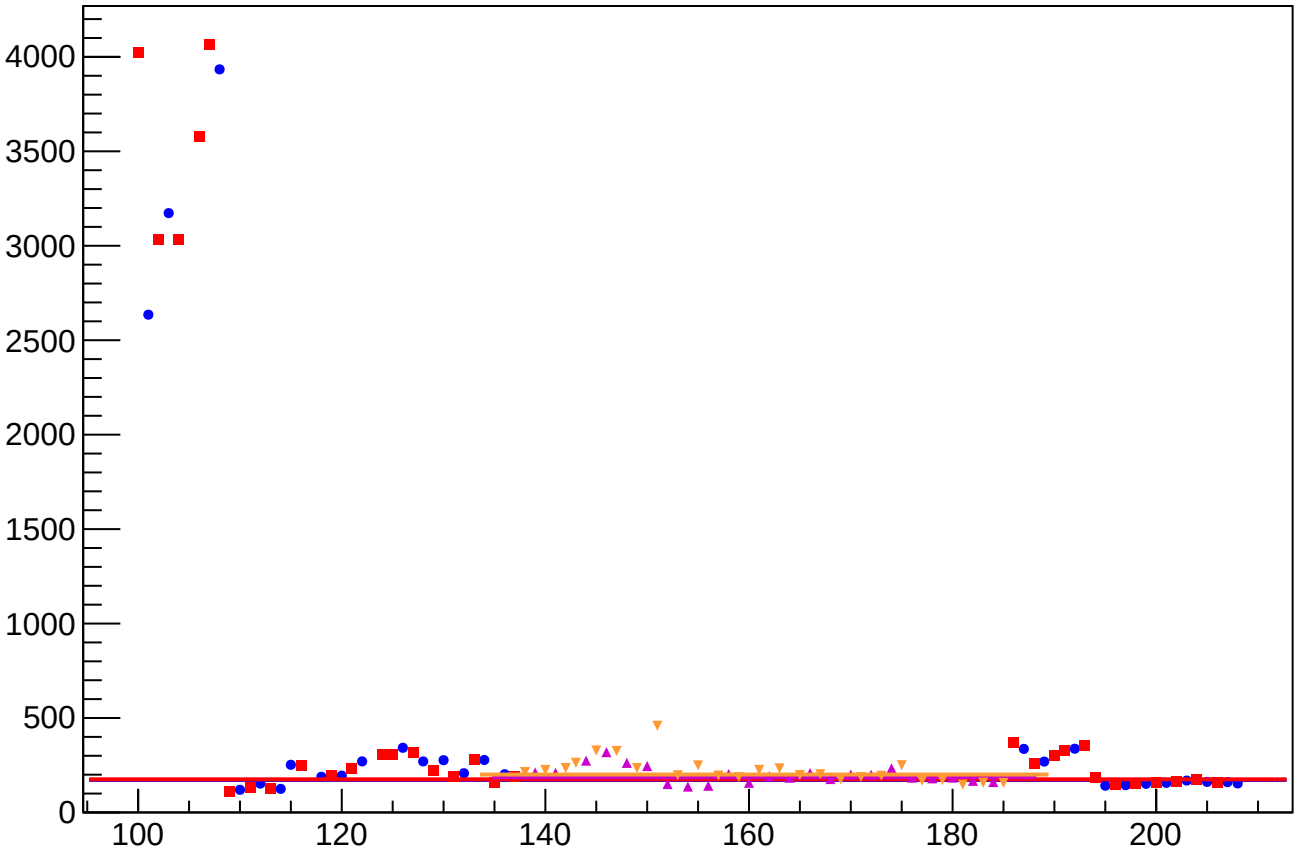
Right Out: 197.526+/-48.495 χ^2/NDF: 23.3/30

Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign -42.208+/-33.495 χ^2/NDF: 70.3/51

All: -7.577+/-23.541 χ^2/NDF: 127.5/105

- sign 26.225+/-33.092 χ^2/NDF: 55.1/53



Right In: 172.359+/-0.034 χ^2/NDF: 4838093.6/26

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

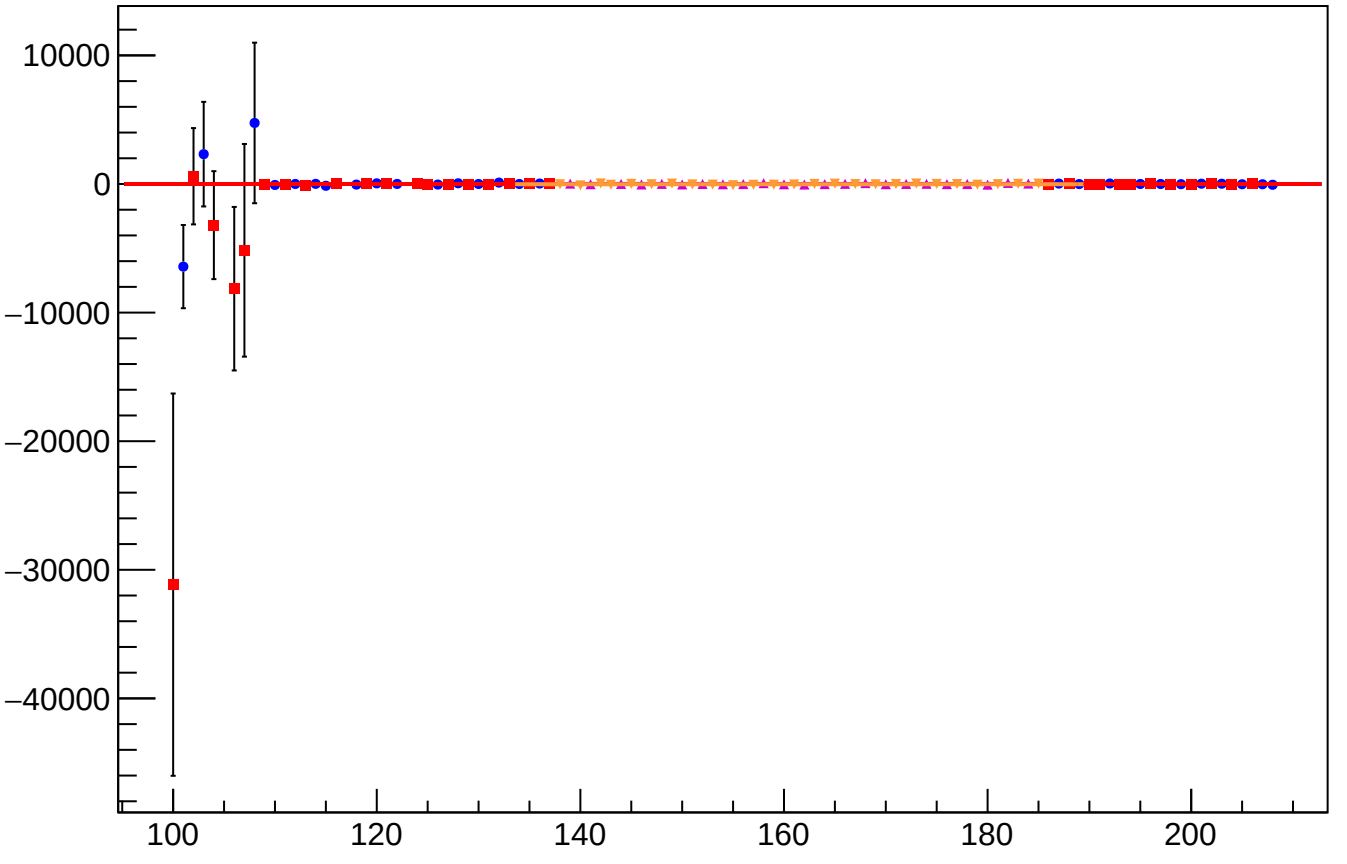
Right Out: 175.208+/-0.034 χ^2/NDF: 5465094.6/30

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 186.564+/-0.024 χ^2/NDF: 7075786.9/51

All: 183.781+/-0.017 χ^2/NDF: 14036138.8/10

- sign 181.065+/-0.023 χ^2/NDF: 6933077.6/53



Right In: 0.399+/-8.852 χ^2/NDF: 23.4/26

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -0.816+/-8.829 χ^2/NDF: 33.6/30

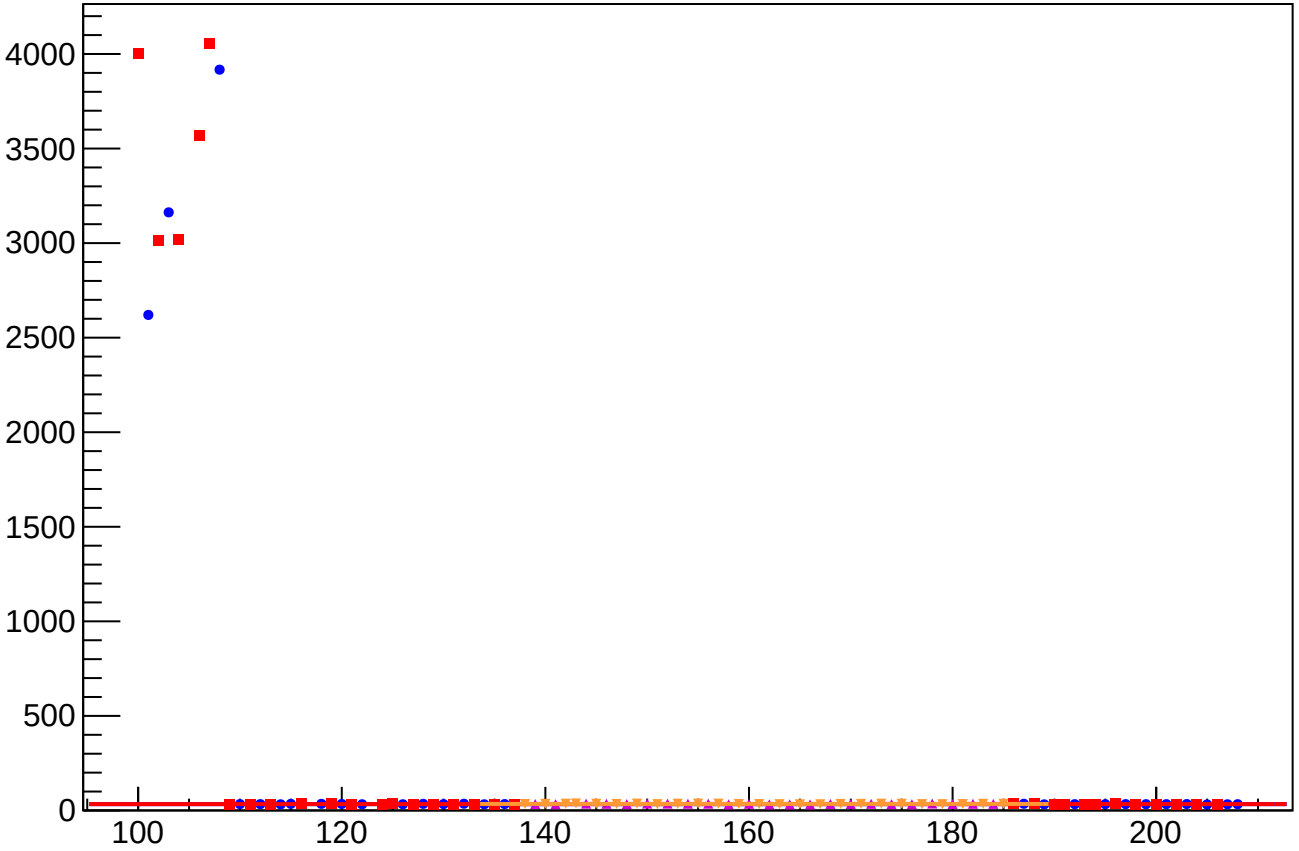
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -11.727+/-5.867 χ^2/NDF: 49.7/51

All: -5.063+/-4.182 χ^2/NDF: 105.0/105

- sign 1.820+/-5.962 χ^2/NDF: 52.7/53

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.361+/-0.006 χ^2/NDF: 3255713.3/26

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

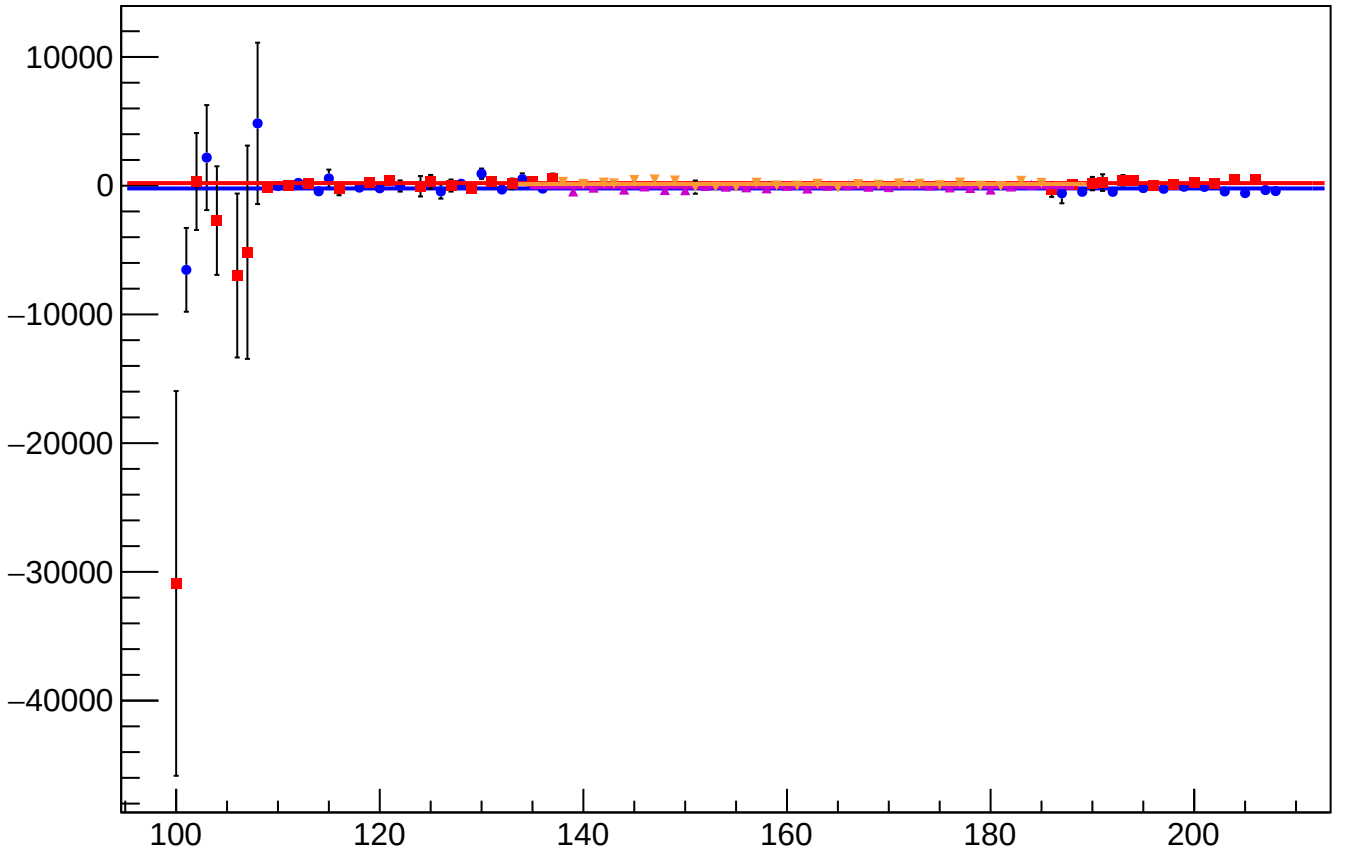
Right Out: 33.505+/-0.006 χ^2/NDF: 3542877.1/30

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 33.965+/-0.004 χ^2/NDF: 3317003.9/51

All: 34.019+/-0.003 χ^2/NDF: 6934795.1/105

- sign 34.075+/-0.004 χ^2/NDF: 3617449.8/53



Right In: -213.343+/-47.289 χ^2/NDF: 34.0/26

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

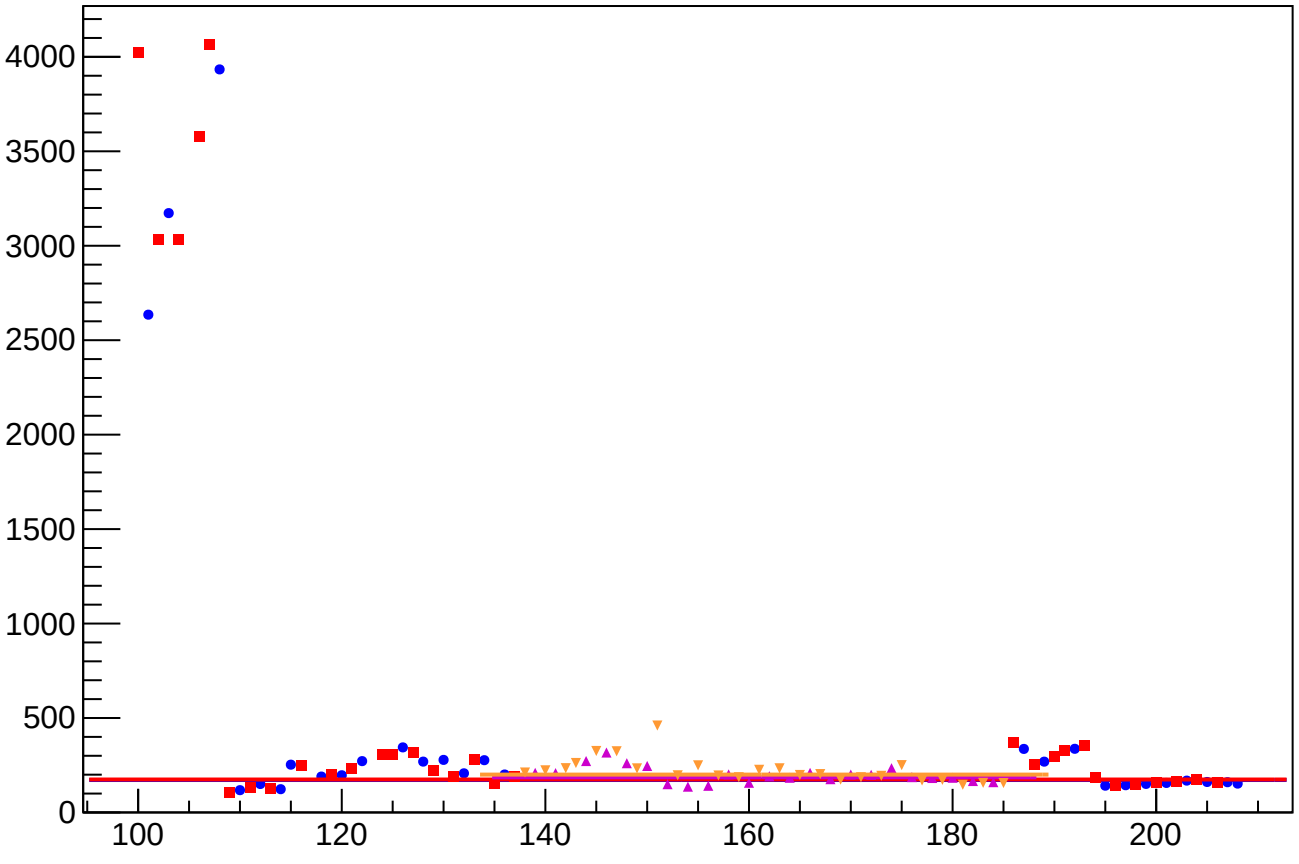
Right Out: 201.313+/-48.312 χ^2/NDF: 23.1/30

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -42.606+/-33.417 χ^2/NDF: 71.7/51

All: -6.628+/-23.483 χ^2/NDF: 129.1/105

- sign 28.472+/-33.006 χ^2/NDF: 55.1/53



Right In: 171.711+/-0.033 χ^2/NDF: 4867370.8/26

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 174.372+/-0.034 χ^2/NDF: 5516664.3/30

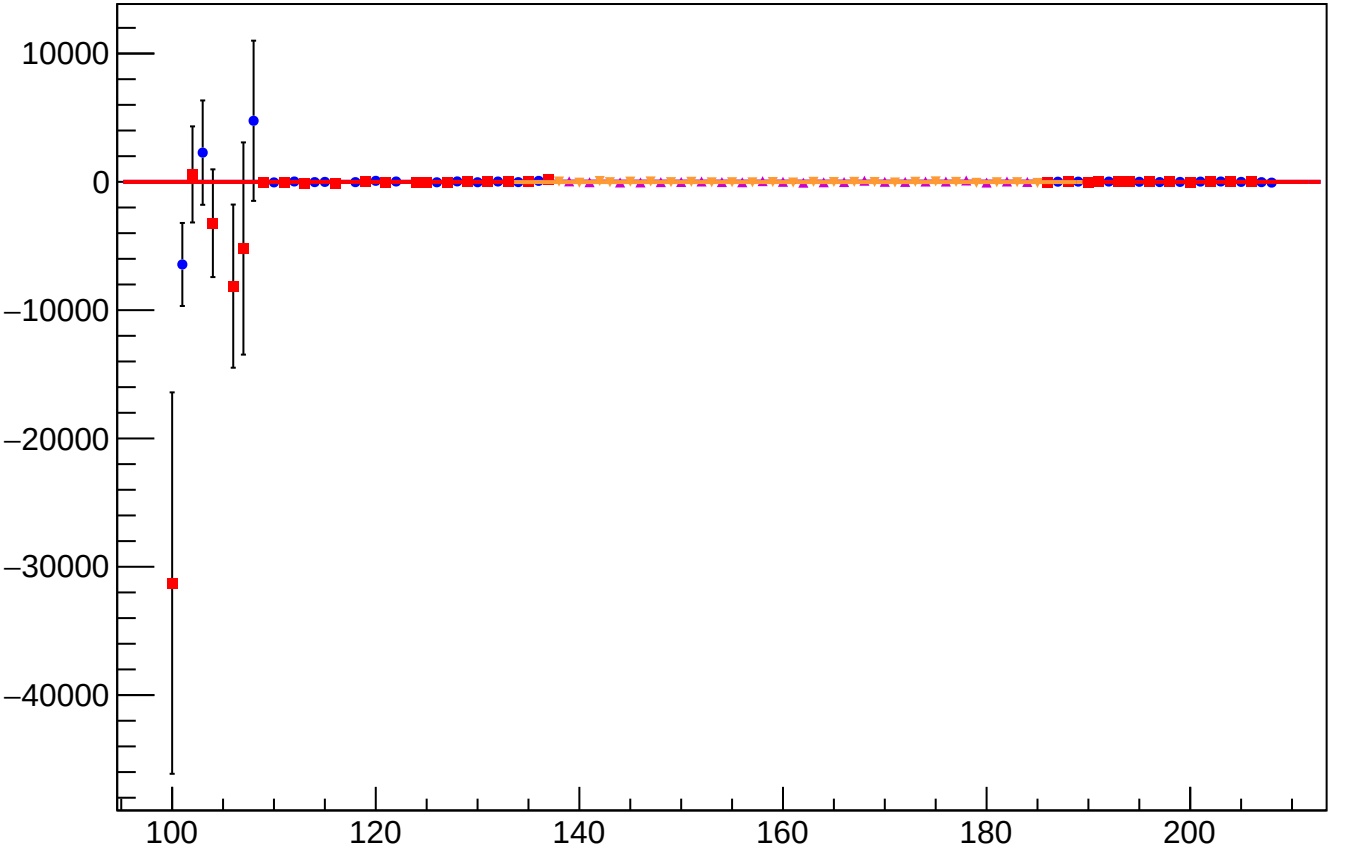
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 186.060+/-0.024 χ^2/NDF: 7111718.2/51

All: 183.248+/-0.017 χ^2/NDF: 14122310.8/10

- sign 180.504+/-0.023 χ^2/NDF: 6982610.4/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.392+/-8.016 χ^2/NDF: 22.6/26

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -5.448+/-7.995 χ^2/NDF: 39.3/30

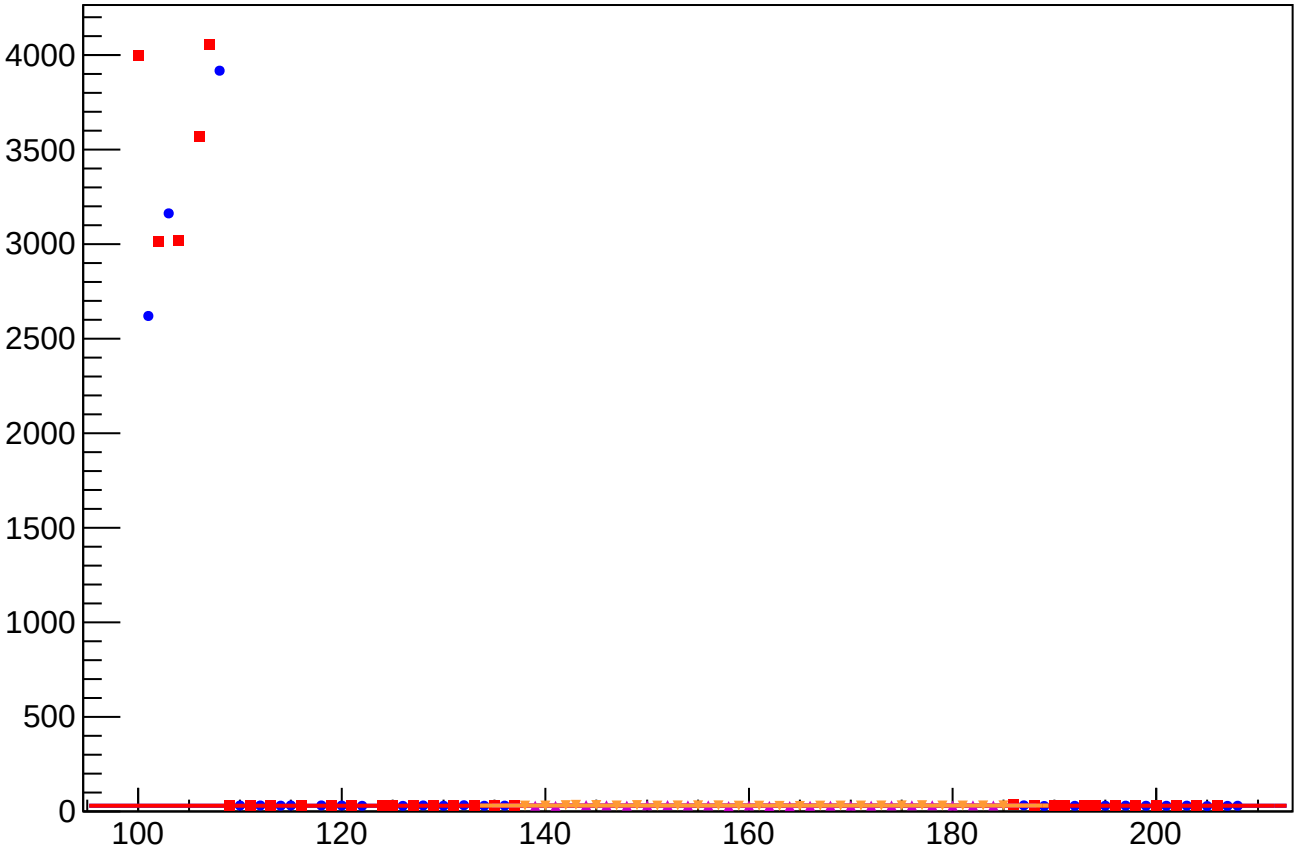
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -8.868+/-5.330 χ^2/NDF: 47.2/51

All: -5.006+/-3.797 χ^2/NDF: 123.7/105

- sign -1.026+/-5.410 χ^2/NDF: 75.4/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.191+/-0.006 χ^2/NDF: 3273603.3/26

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.315+/-0.006 χ^2/NDF: 3561584.2/30

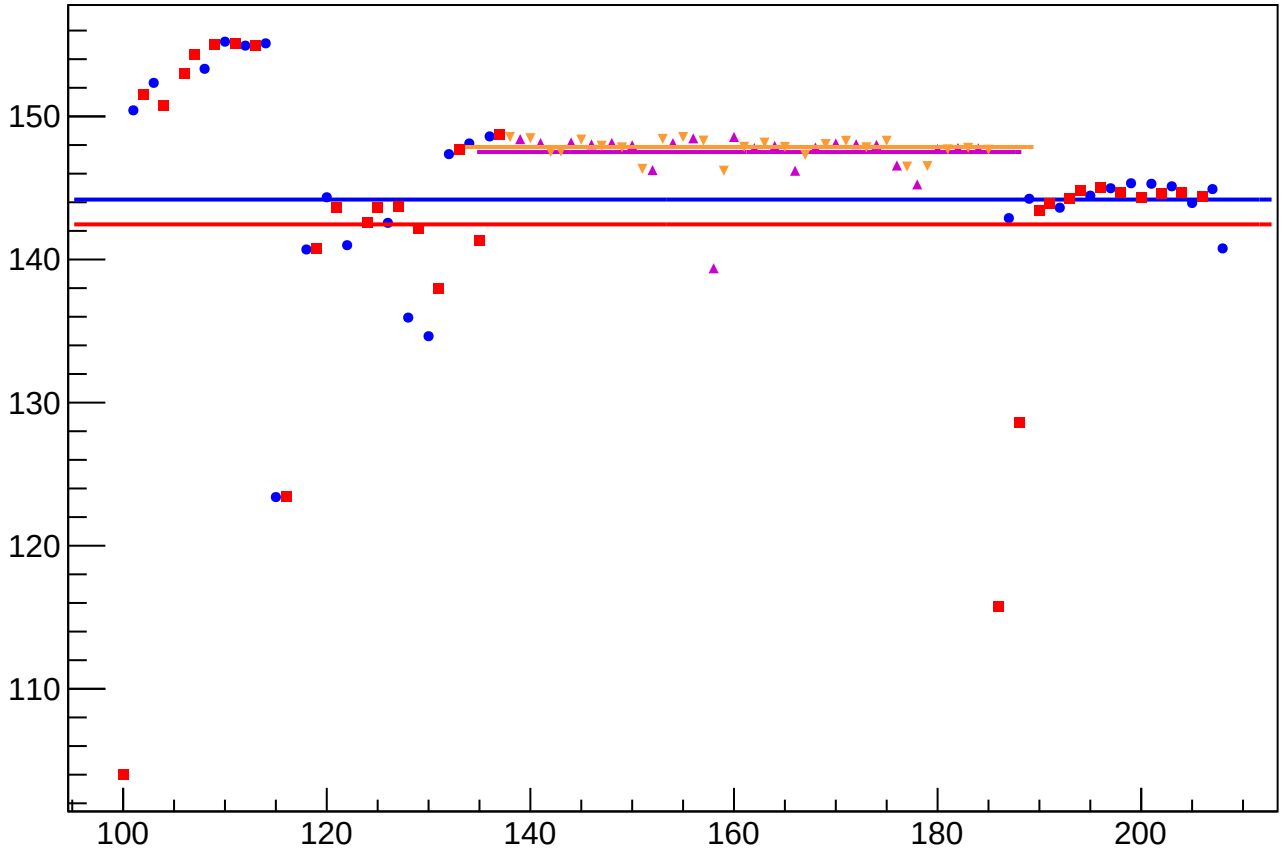
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.832+/-0.004 χ^2/NDF: 3359546.5/51

All: 30.862+/-0.003 χ^2/NDF: 7025711.3/105

- sign 30.892+/-0.004 χ^2/NDF: 3666040.2/53

yield_bcm_target_mean vs Slug



Right In: 144.190+/-0.000 χ^2/NDF: 3767068810.1/26

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.456+/-0.000 χ^2/NDF: 7547771240.1/30

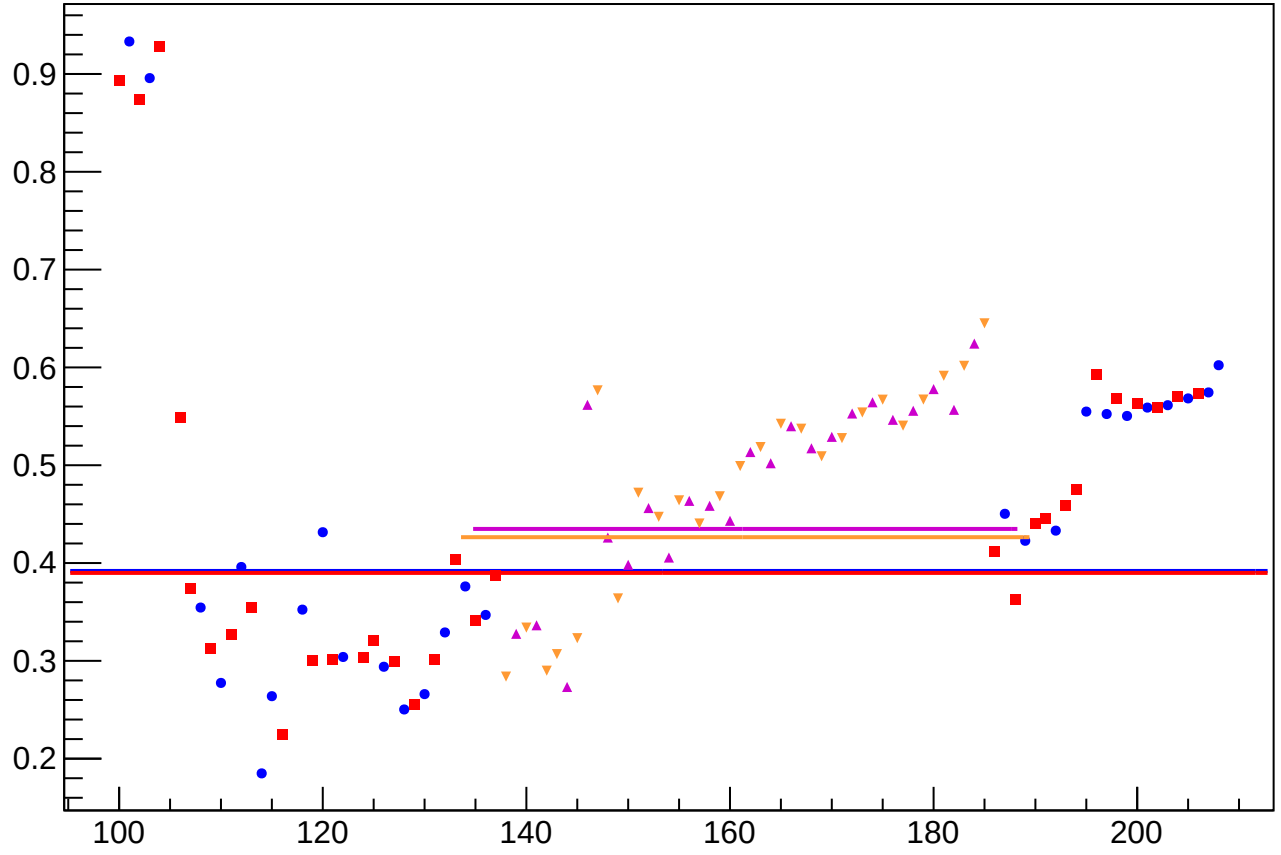
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.134+/-0.000 χ^2/NDF: 4428776829.2/51

All: 145.542+/-0.000 χ^2/NDF: 1356937084

- sign 144.944+/-0.000 χ^2/NDF: 9011604322.8/53

yield_bcm_target_rms vs Slug



Right In: 0.392+/-0.000 χ^2/NDF: 3222901.5/26

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

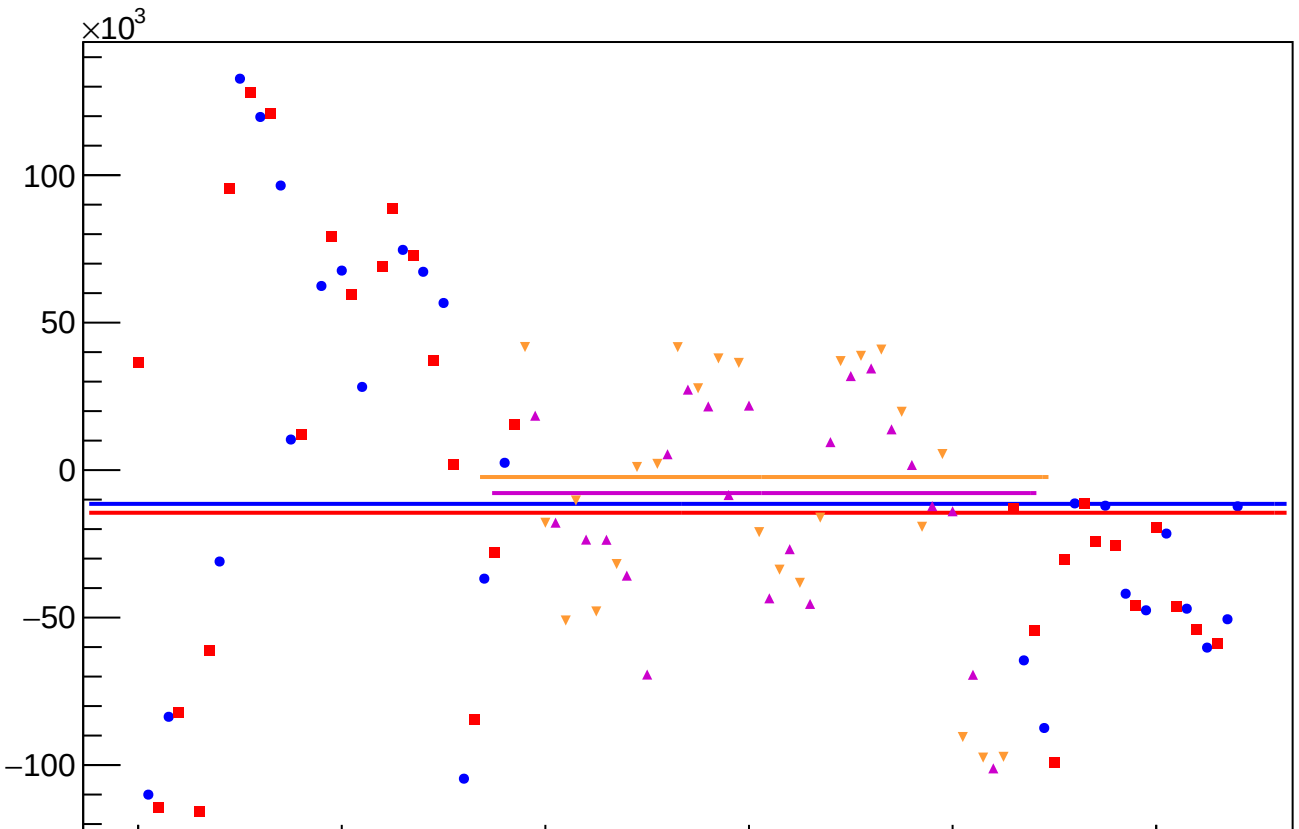
Right Out: 0.390+/-0.000 χ^2/NDF: 2886388.6/30

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.410+/-0.000 χ^2/NDF: 5591004.7/51

All: 0.411+/-0.000 χ^2/NDF: 10436056.7/105

- sign 0.412+/-0.000 χ^2/NDF: 4844406.4/53



Right In: -11444.460+/-1.380 χ^2/NDF: 1936397733.9/26

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -14461.416+/-1.319 χ^2/NDF: 2387809233.8/30

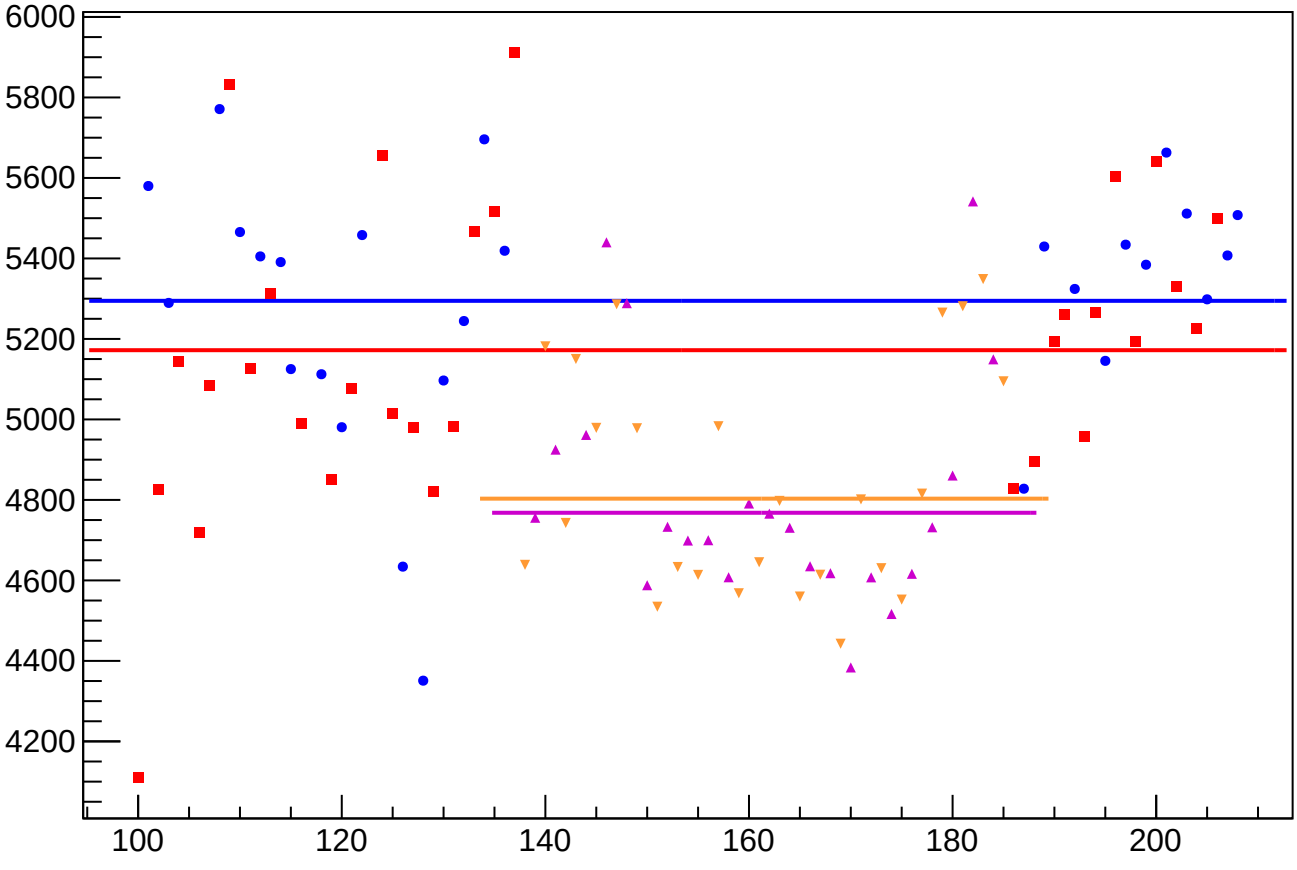
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -5970.533+/-0.871 χ^2/NDF: 3192575811.8/5

All: -8330.152+/-0.614 χ^2/NDF: 6372041772

- sign -10653.773+/-0.865 χ^2/NDF: 3164906307.9/5

yield_bcm_an_diff_rms vs Slug



Right In: 5294.671+/-0.976 χ^2/NDF: 100819.9/26

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

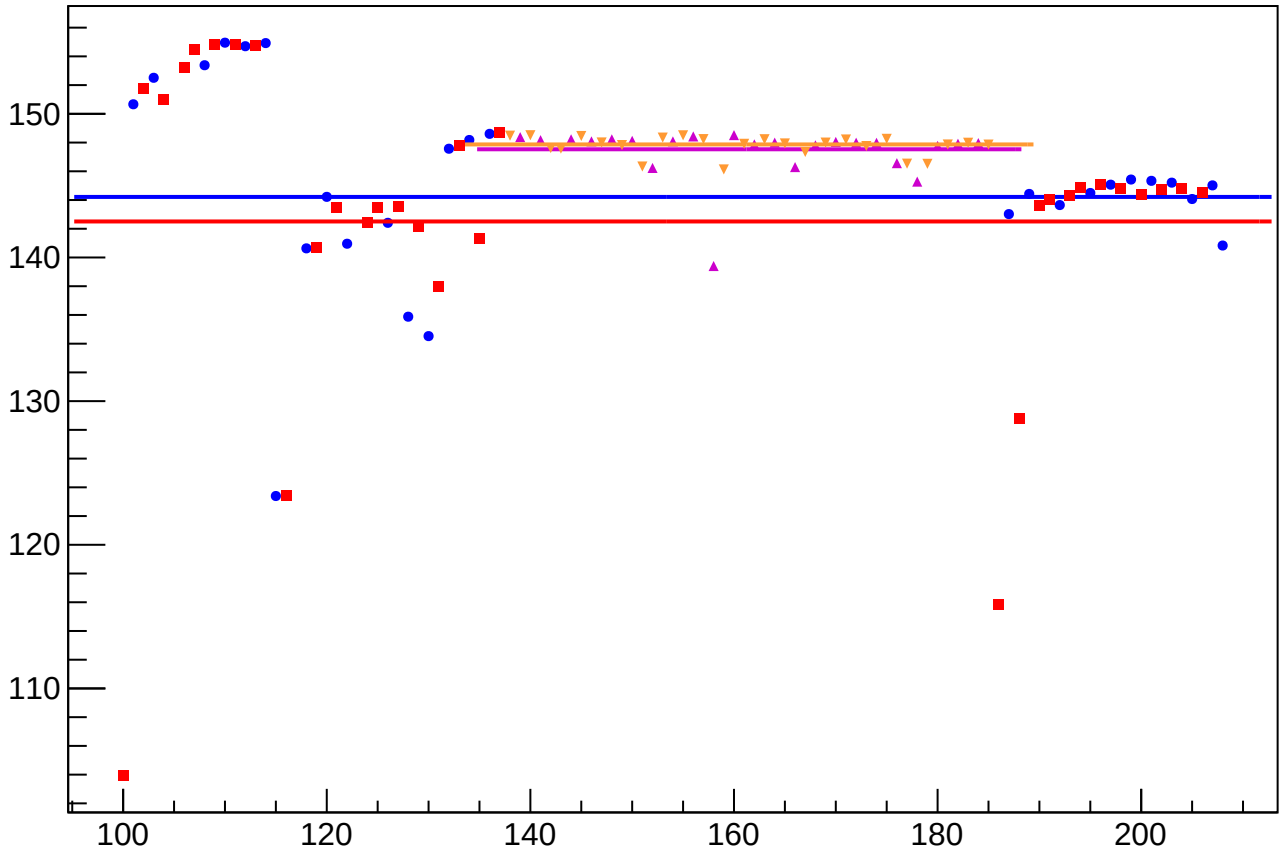
Right Out: 5172.022+/-0.933 χ^2/NDF: 104202.5/30

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 4998.985+/-0.616 χ^2/NDF: 368097.6/51

All: 4970.041+/-0.434 χ^2/NDF: 686032.7/105

- sign 4941.538+/-0.611 χ^2/NDF: 313553.5/53



Right In: 144.216+/-0.000 χ^2/NDF: 3808371697.0/26

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

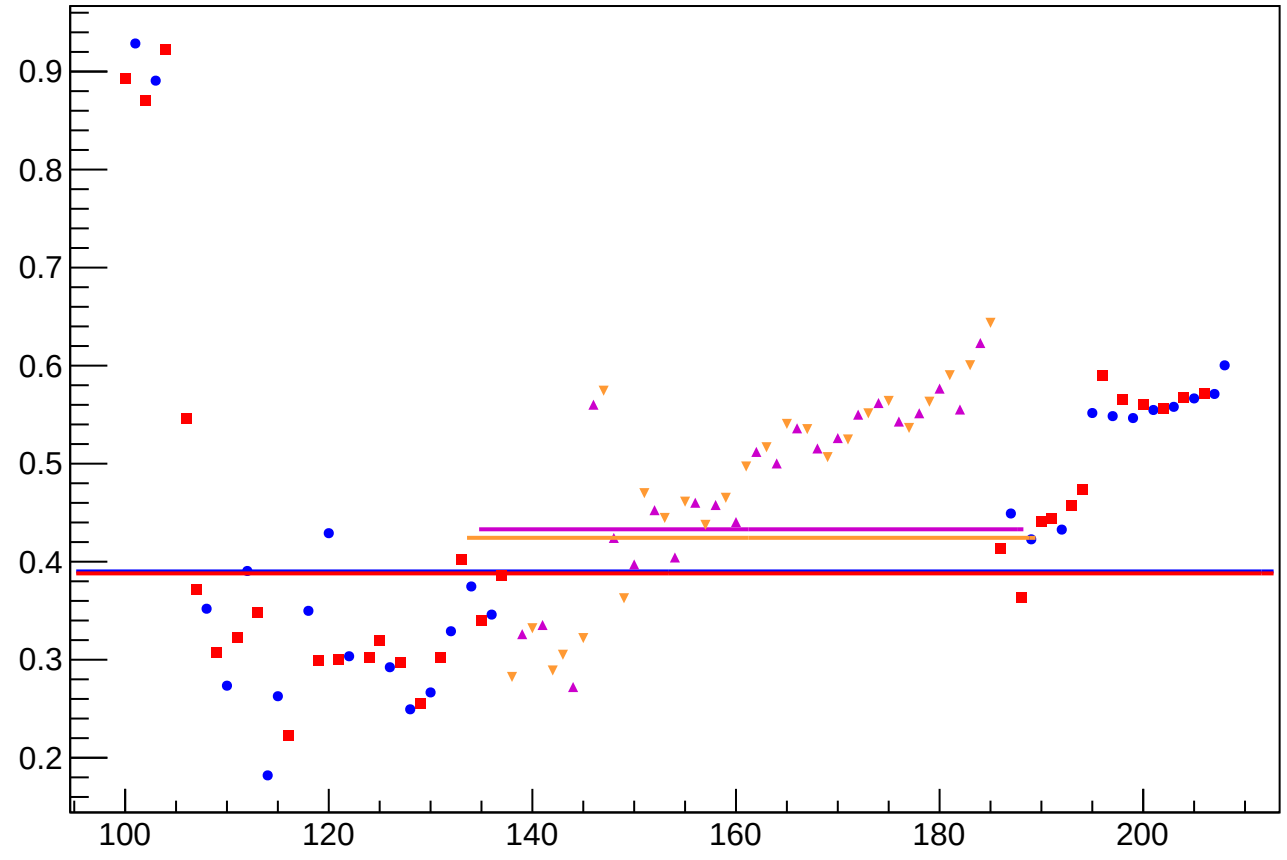
Right Out: 142.507+/-0.000 χ^2/NDF: 7523816319.2/30

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.149+/-0.000 χ^2/NDF: 4468890583.4/51

All: 145.568+/-0.000 χ^2/NDF: 13578378888.

- sign 144.980+/-0.000 χ^2/NDF: 8984221008.7/53



Right In: 0.390+/-0.000 χ^2/NDF: 3221544.3/26

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

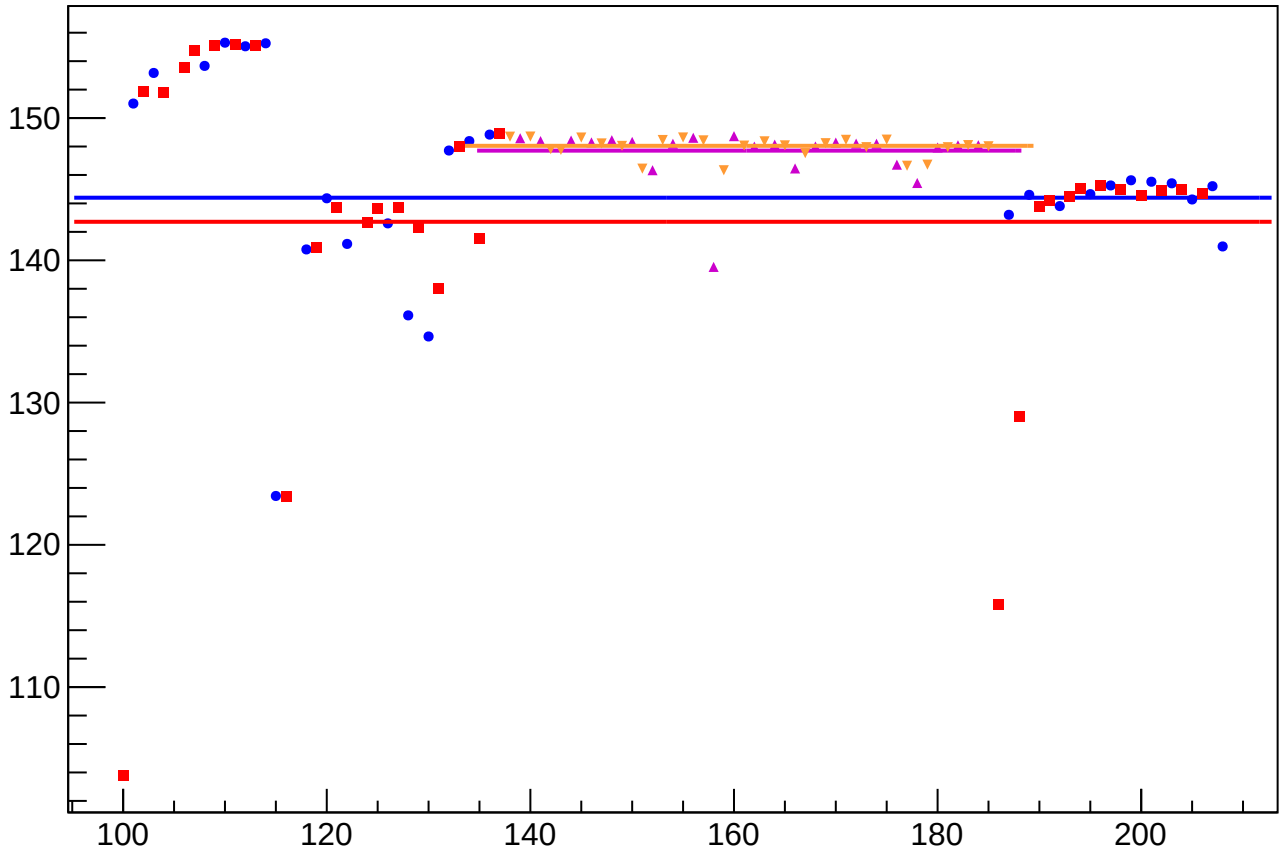
Right Out: 0.388+/-0.000 χ^2/NDF: 2894155.2/30

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.408+/-0.000 χ^2/NDF: 5590833.8/51

All: 0.409+/-0.000 χ^2/NDF: 10441779.4/105

- sign 0.410+/-0.000 χ^2/NDF: 4850213.8/53



Right In: 144.402+/-0.000 χ^2/NDF: 3802770847.5/26

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.708+/-0.000 χ^2/NDF: 7458493279.0/30

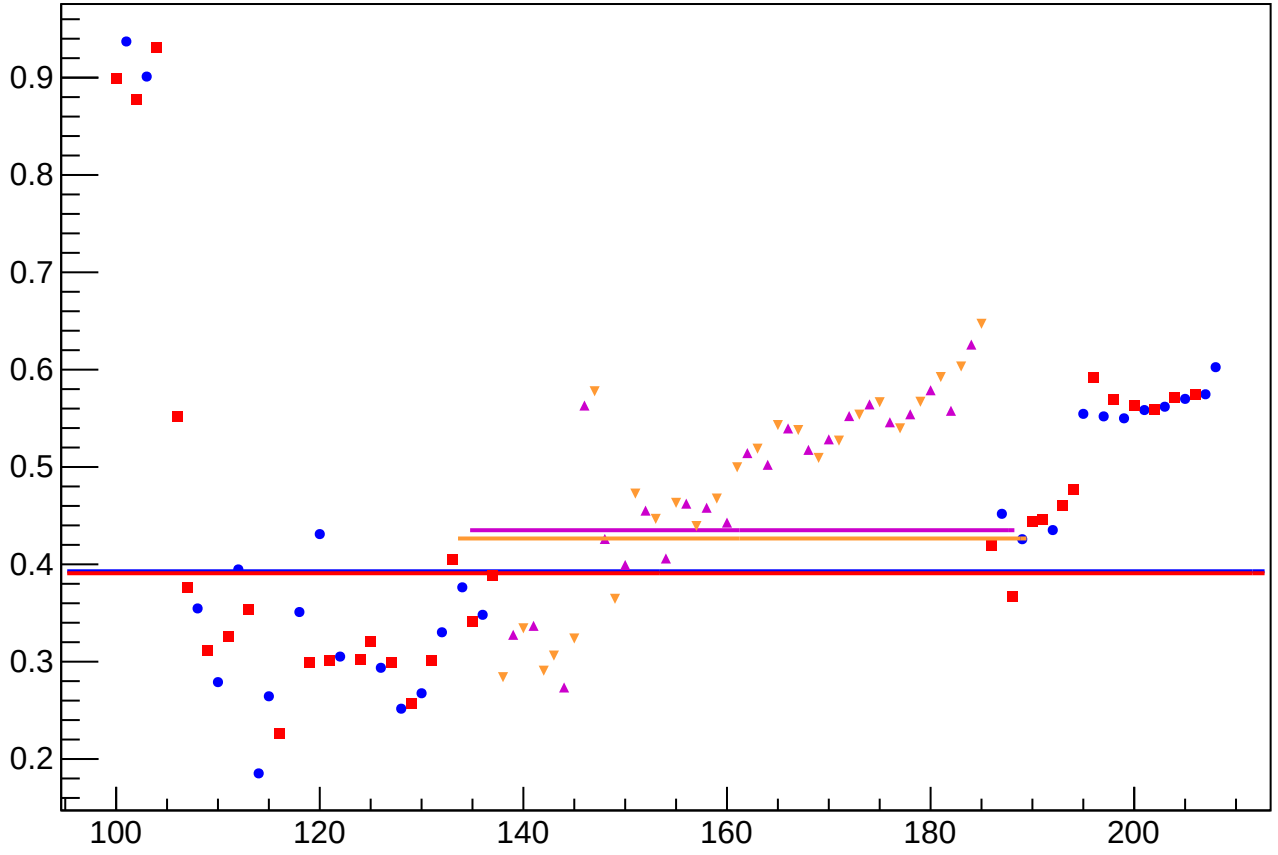
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.335+/-0.000 χ^2/NDF: 4454151706.1/51

All: 145.759+/-0.000 χ^2/NDF: 13476464527.

- sign 145.176+/-0.000 χ^2/NDF: 8900205104.2/53

yield_bcm_an_ds3_rms vs Slug



Right In: 0.393+/-0.000 χ^2/NDF: 3208405.4/26

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

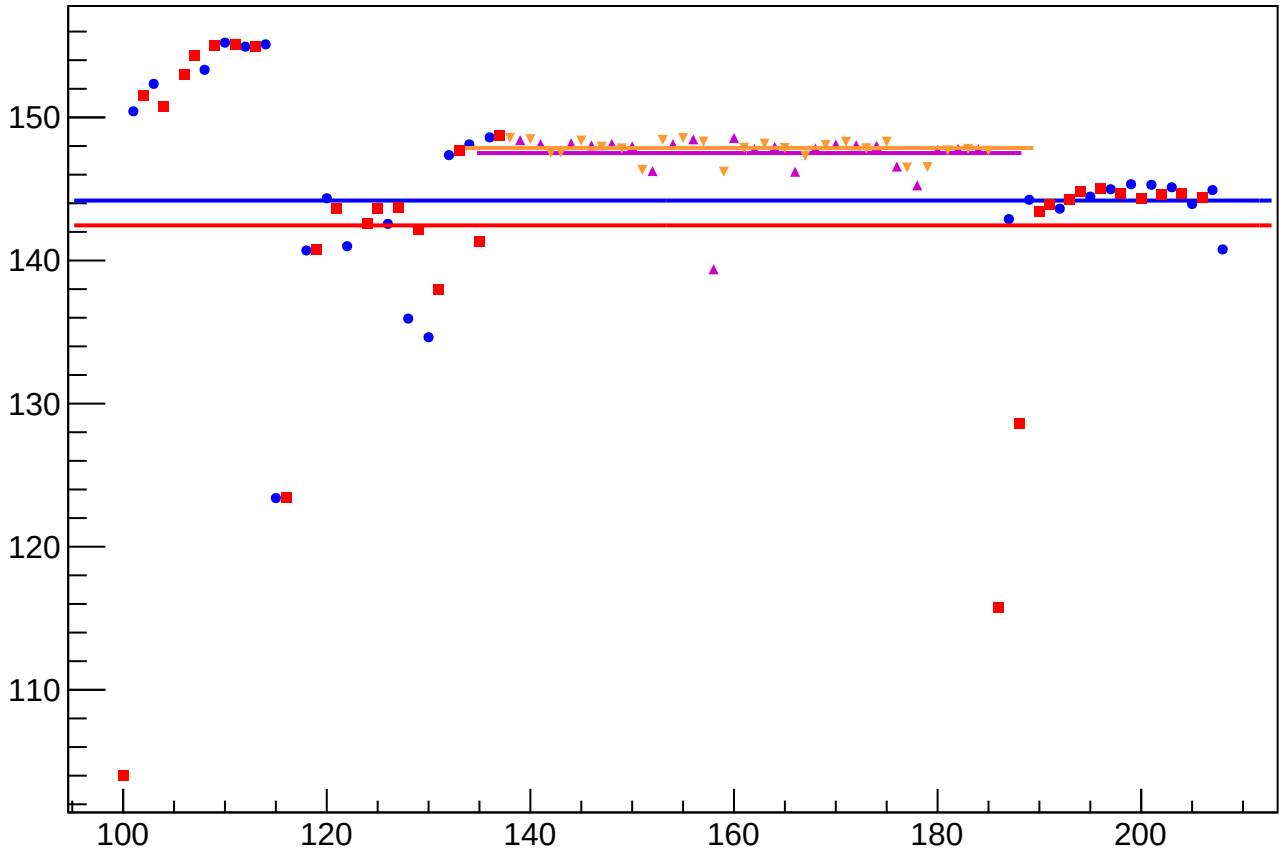
Right Out: 0.391+/-0.000 χ^2/NDF: 2888330.2/30

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.411+/-0.000 χ^2/NDF: 5569415.3/51

All: 0.412+/-0.000 χ^2/NDF: 10404682.6/105

- sign 0.413+/-0.000 χ^2/NDF: 4834584.6/53



Right In: 144.190+/-0.000 χ^2/NDF: 3767068810.1/26

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

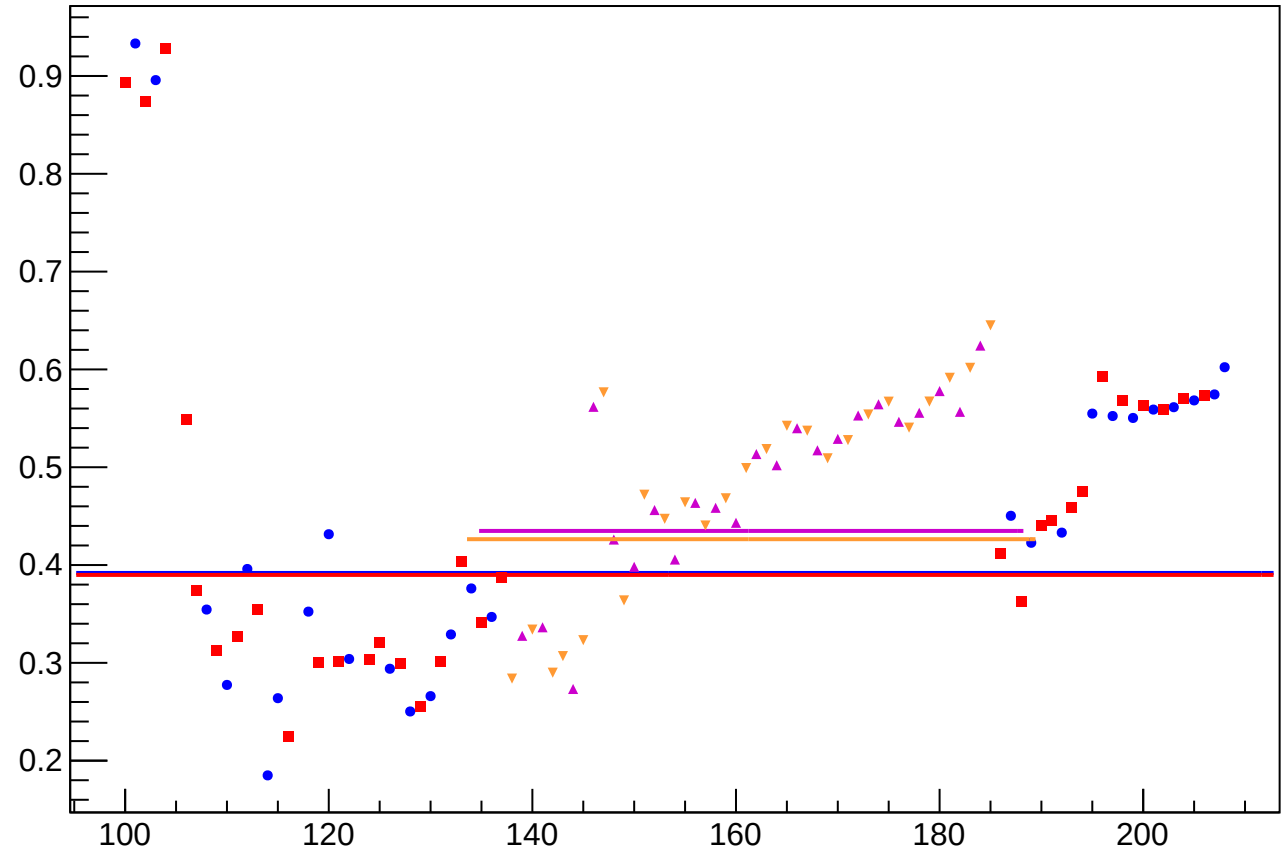
Right Out: 142.456+/-0.000 χ^2/NDF: 7547771240.1/30

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.134+/-0.000 χ^2/NDF: 4428776829.2/51

All: 145.542+/-0.000 χ^2/NDF: 1356937084

- sign 144.944+/-0.000 χ^2/NDF: 9011604322.8/53



Right In: 0.392+/-0.000 χ^2/NDF: 3222901.5/26

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

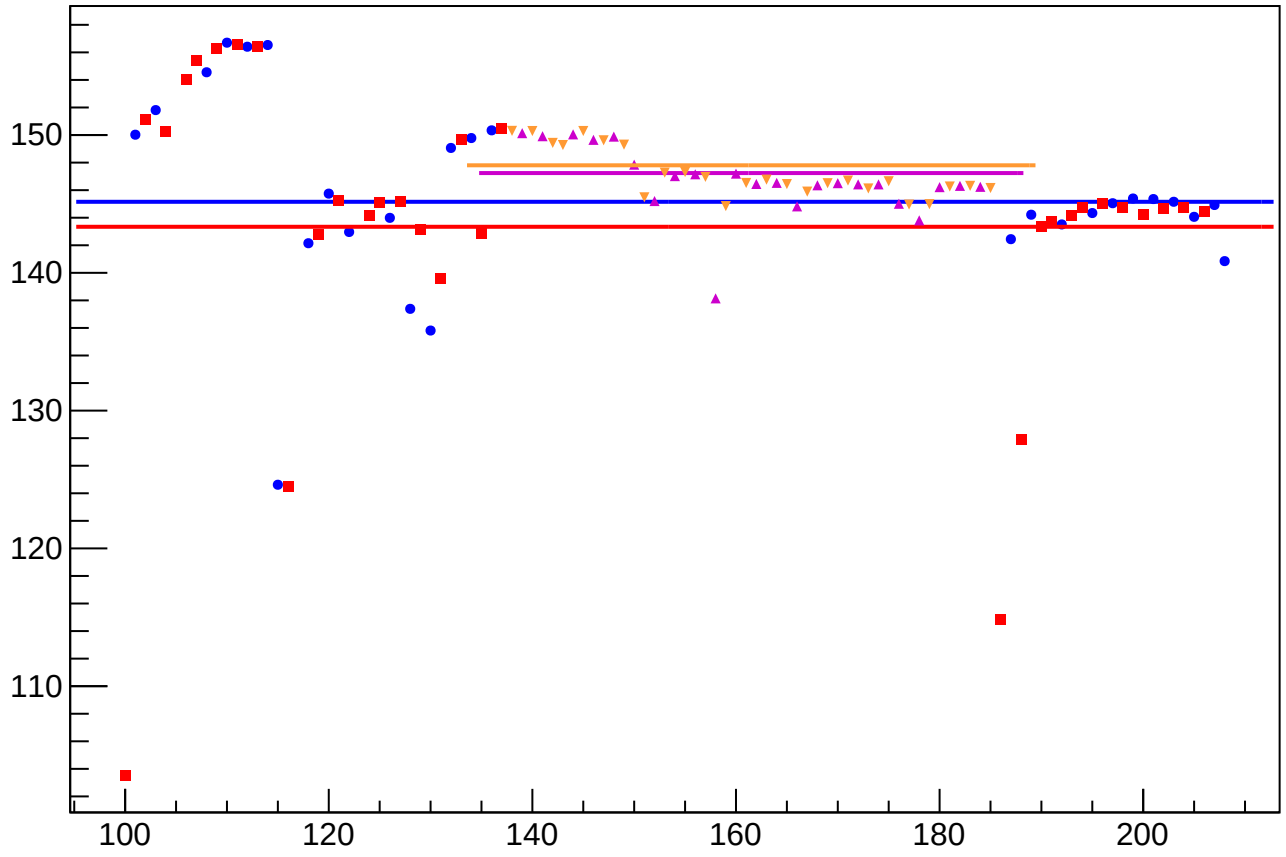
Right Out: 0.390+/-0.000 χ^2/NDF: 2886388.6/30

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.410+/-0.000 χ^2/NDF: 5591004.7/51

All: 0.411+/-0.000 χ^2/NDF: 10436056.7/105

- sign 0.412+/-0.000 χ^2/NDF: 4844406.4/53



Right In: 145.156+/-0.000 χ^2/NDF: 3561315126.8/26

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.343+/-0.000 χ^2/NDF: 7614555066.2/30

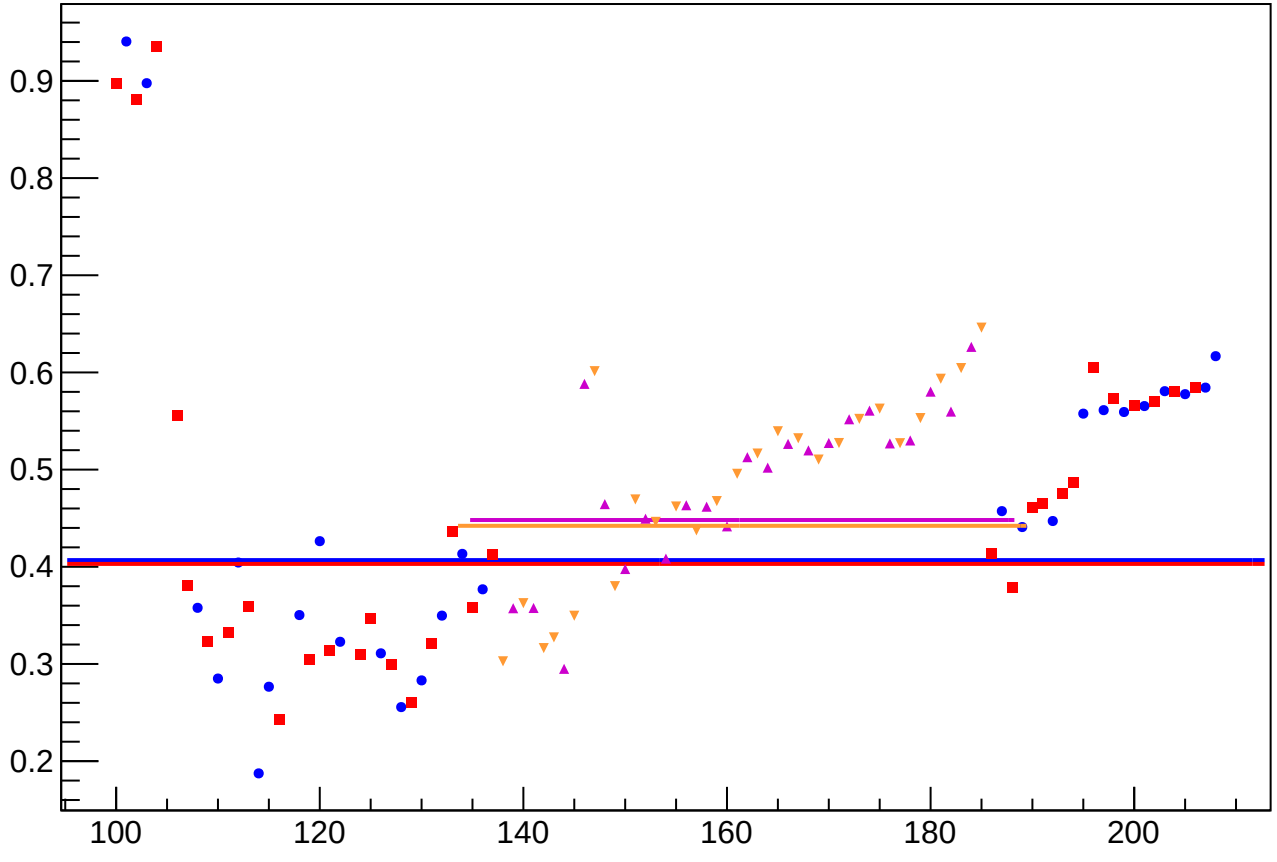
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.565+/-0.000 χ^2/NDF: 4188524096.4/51

All: 145.922+/-0.000 χ^2/NDF: 13214847183.

- sign 145.277+/-0.000 χ^2/NDF: 8884063258.9/53

yield_bcm_dg_us_rms vs Slug



Right In: 0.407+/-0.000 χ^2/NDF: 3053769.1/26

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

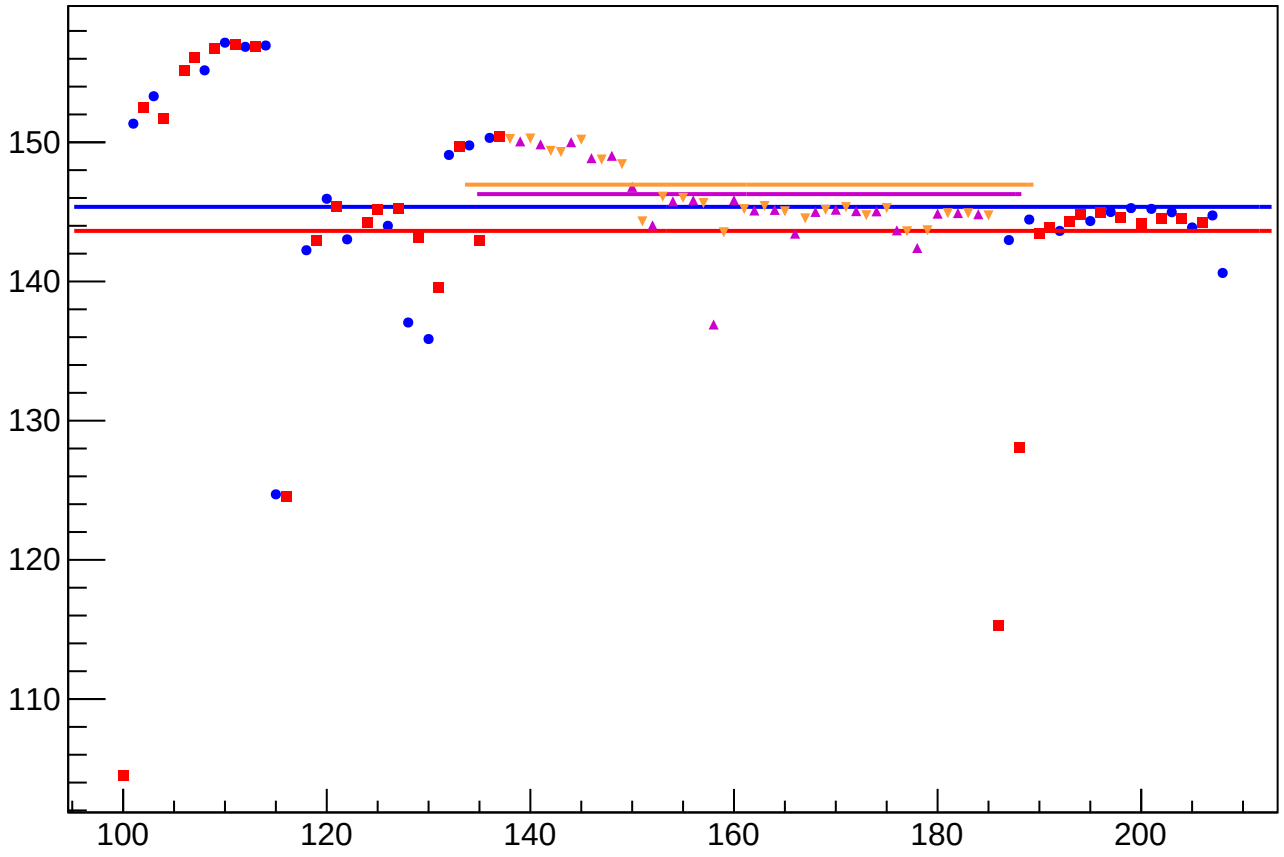
Right Out: 0.403+/-0.000 χ^2/NDF: 2755183.7/30

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.426+/-0.000 χ^2/NDF: 4864506.1/51

All: 0.426+/-0.000 χ^2/NDF: 9142303.1/105

- sign 0.425+/-0.000 χ^2/NDF: 4277783.7/53



Right In: 145.361+/-0.000 χ^2/NDF: 3720748036.0/26

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.635+/-0.000 χ^2/NDF: 7673791057.2/30

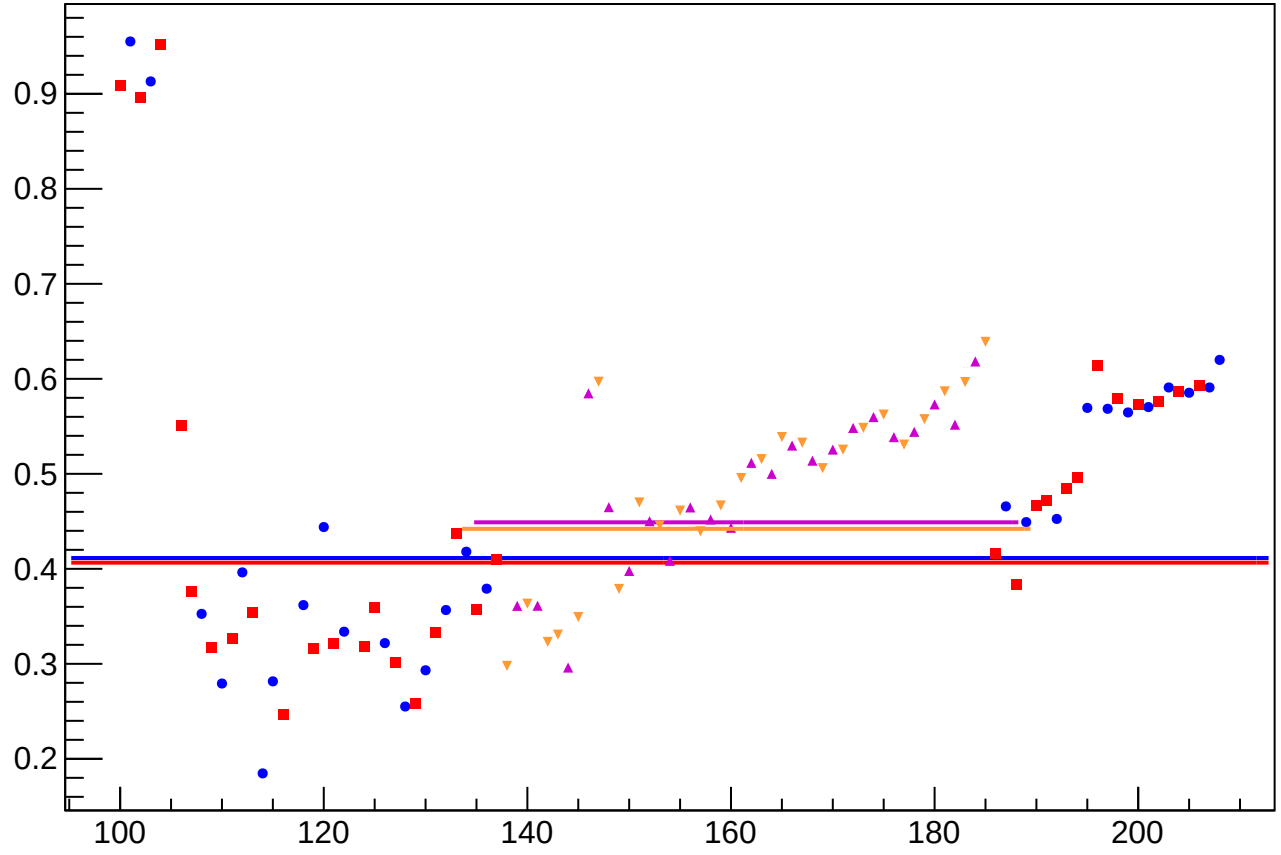
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.220+/-0.000 χ^2/NDF: 4370894926.2/51

All: 145.590+/-0.000 χ^2/NDF: 1330028861

- sign 144.958+/-0.000 χ^2/NDF: 8794516481.0/53

yield_bcm_dg_ds_rms vs Slug



Right In: 0.411+/-0.000 χ^2/NDF: 3087896.6/26

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

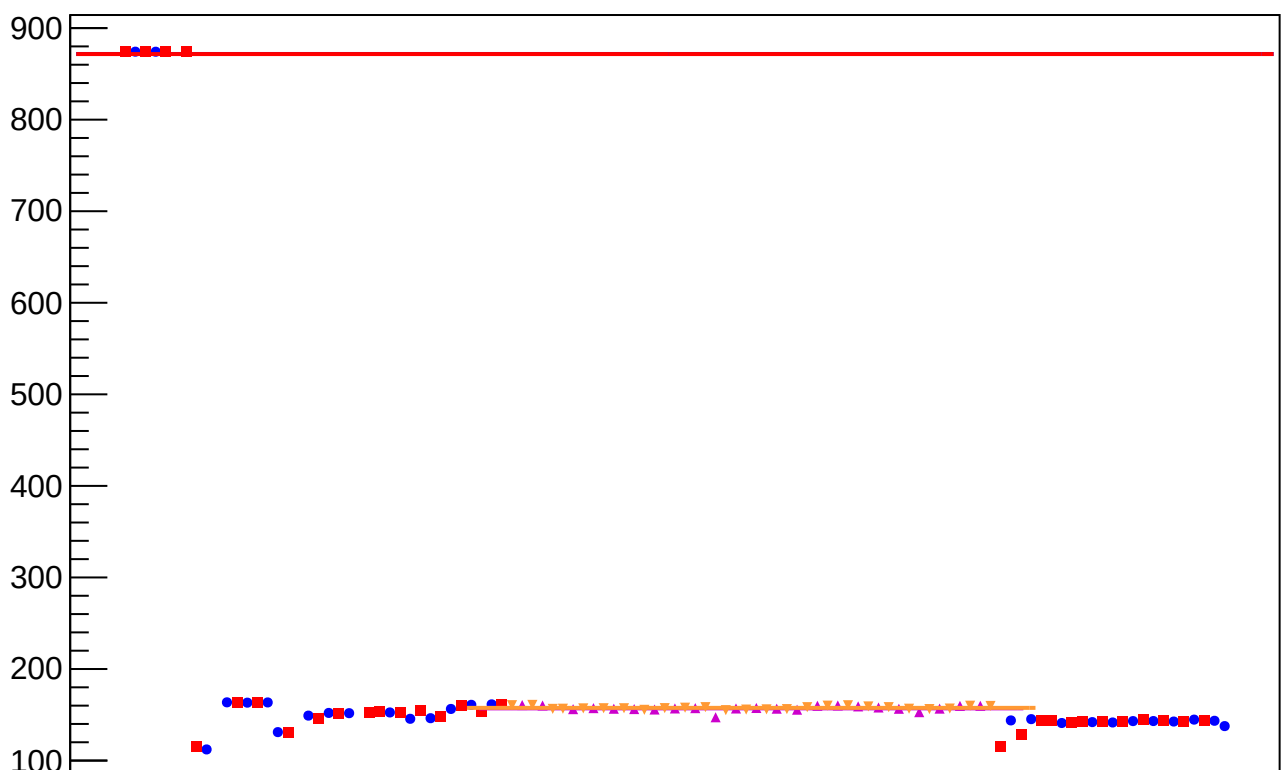
Right Out: 0.407+/-0.000 χ^2/NDF: 2783741.0/30

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.428+/-0.000 χ^2/NDF: 4844218.8/51

All: 0.428+/-0.000 χ^2/NDF: 9081011.2/105

- sign 0.428+/-0.000 χ^2/NDF: 4236787.6/53



Right In: 871.729+/-0.000 χ^2/NDF: 12880450454175.3/26

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.644+/-0.000 χ^2/NDF: 15385034286896.8/30

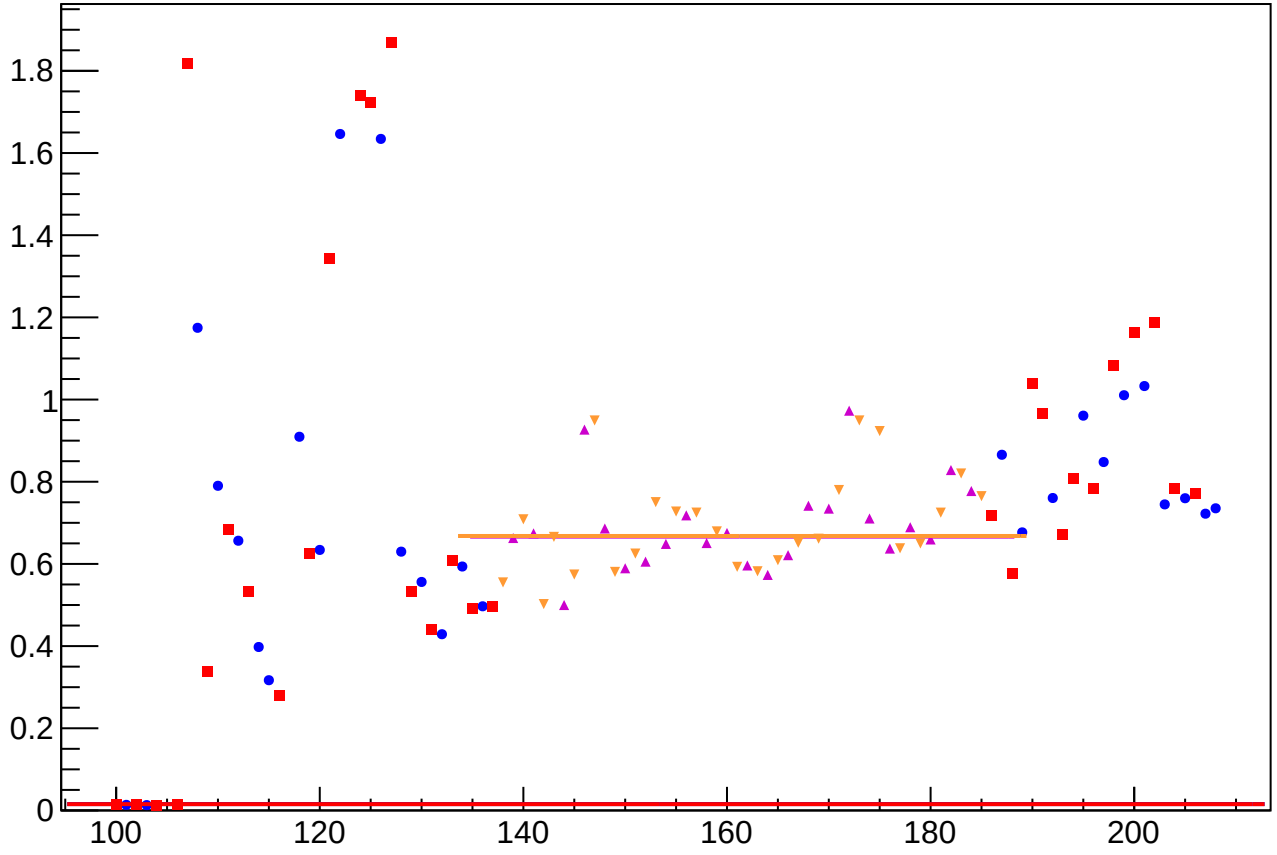
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 868.354+/-0.000 χ^2/NDF: 30079004380848.

All: 868.613+/-0.000 χ^2/NDF: 619512622953

- sign 868.838+/-0.000 χ^2/NDF: 31871358384736.7

yield_cav4bQ_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 22954600.3/26

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 23740678.1/30

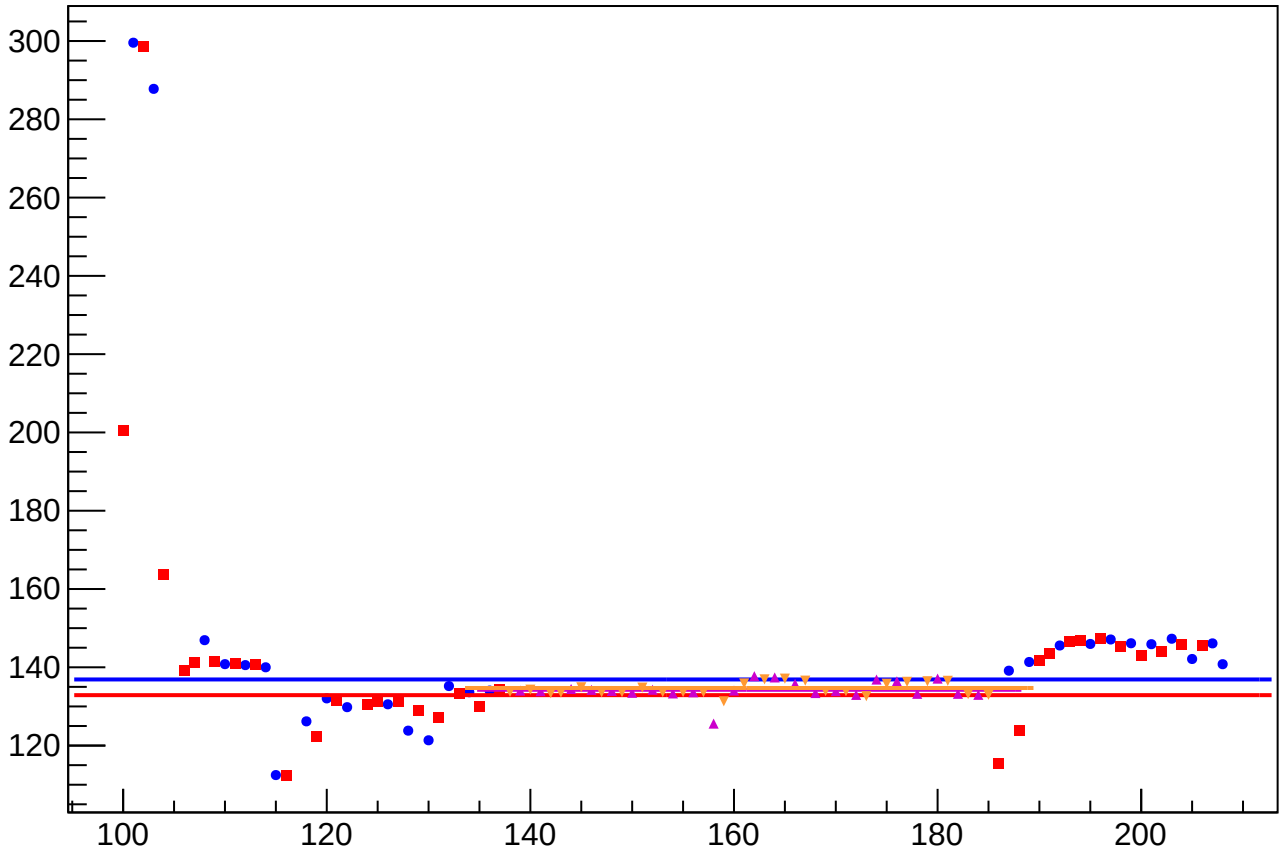
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 52342828.3/51

All: 0.018+/-0.000 χ^2/NDF: 103997988.1/105

- sign 0.018+/-0.000 χ^2/NDF: 51650715.0/53

yield_cav4cQ_mean vs Slug



Right In: 136.894+/-0.000 χ^2/NDF: 3477891474.5/26

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 132.885+/-0.000 χ^2/NDF: 4981191413.9/30

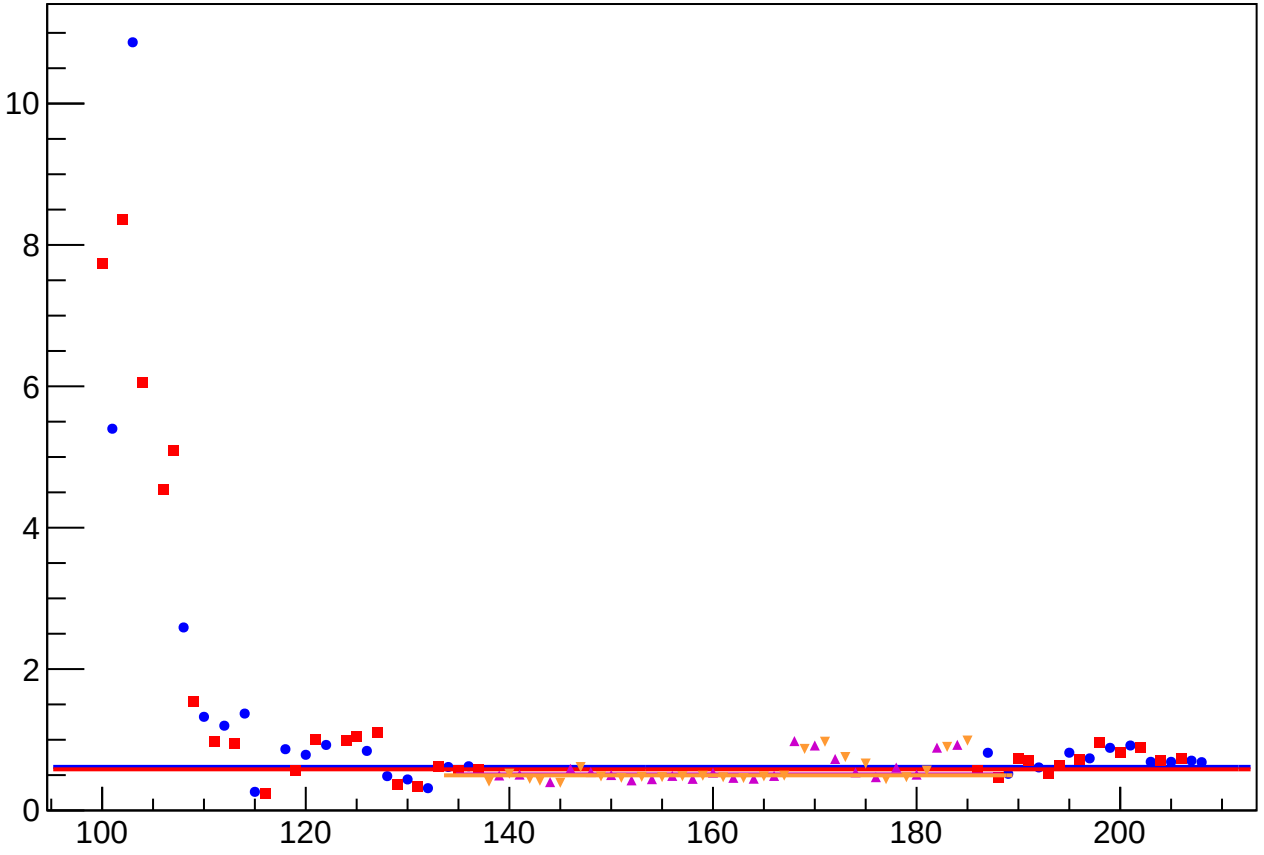
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 135.352+/-0.000 χ^2/NDF: 3730873532.1/51

All: 134.579+/-0.000 χ^2/NDF: 9306799786.8

- sign 133.783+/-0.000 χ^2/NDF: 5461243110.2/53

yield_cav4cQ_rms vs Slug



Right In: 0.617+/-0.000 χ^2/NDF: 4900218.1/26

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.582+/-0.000 χ^2/NDF: 5947824.1/30

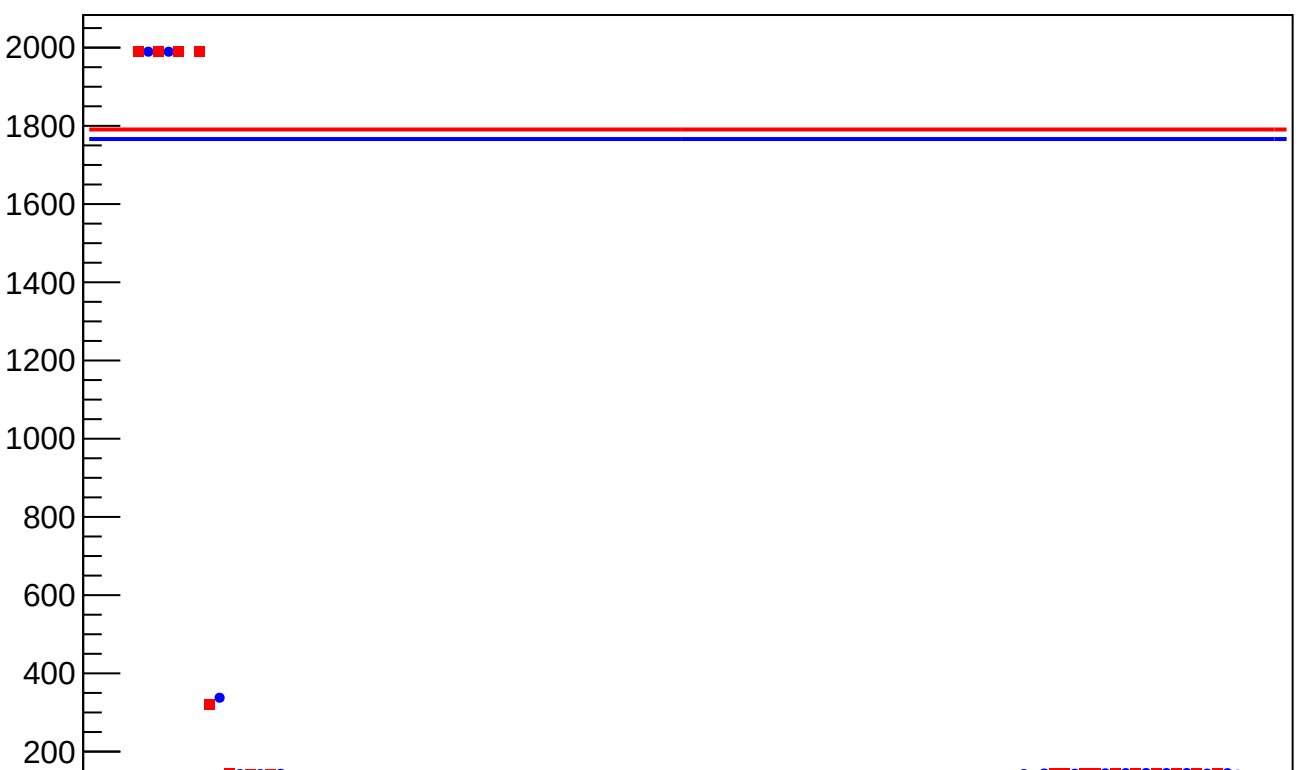
Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.532+/-0.000 χ^2/NDF: 7033474.2/51

All: 0.533+/-0.000 χ^2/NDF: 14683003.1/105

- sign 0.534+/-0.000 χ^2/NDF: 7649007.5/53

yield_cav4dQ_mean vs Slug



Right In: 1766.312+/-0.000 χ^2/NDF: 216969138711648.6/26

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1790.680+/-0.000 χ^2/NDF: 229314531910712.4/30

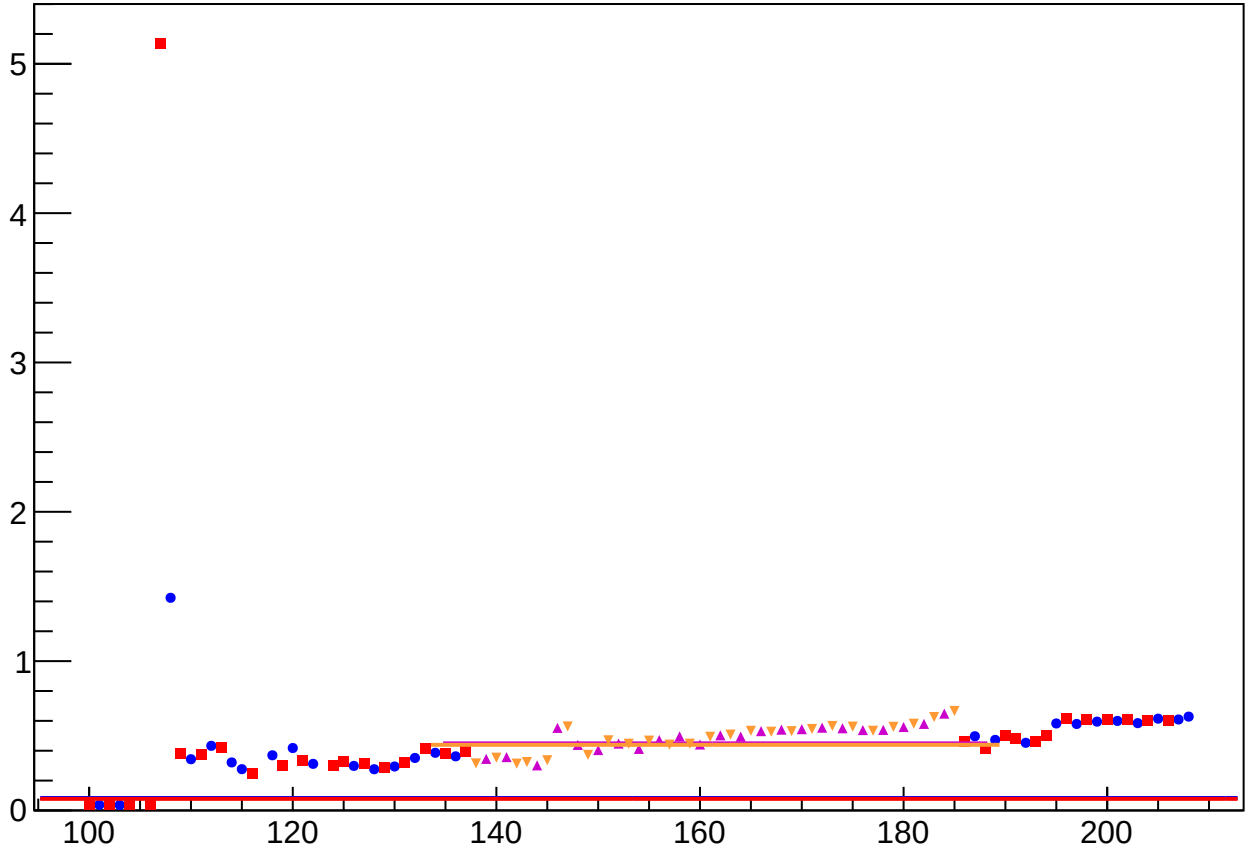
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1546.834+/-0.000 χ^2/NDF: 4300775224944

All: 1580.945+/-0.000 χ^2/NDF: 867713534

- sign 1611.032+/-0.000 χ^2/NDF: 43612717695041

yield_cav4dQ_rms vs Slug



Right In: 0.083+/-0.000 χ^2/NDF: 20658056.7/26

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

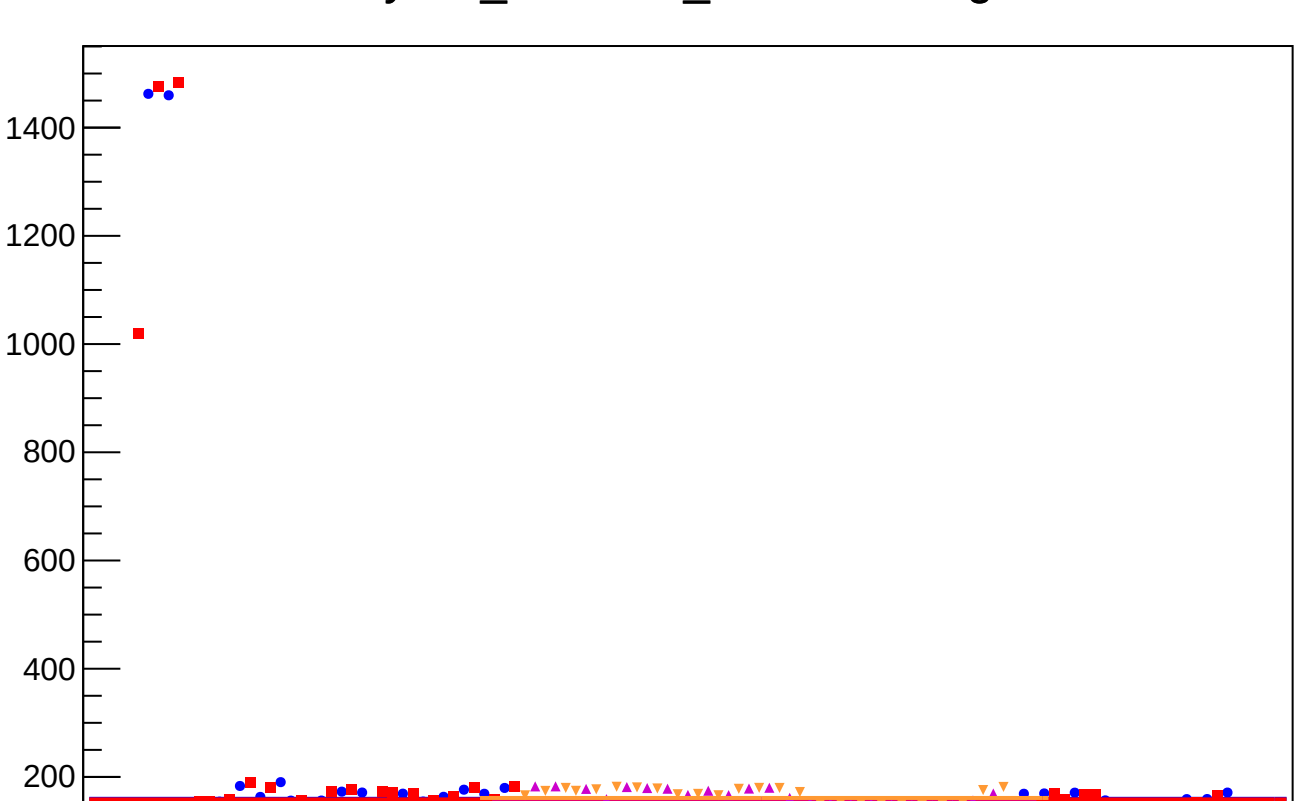
Right Out: 0.078+/-0.000 χ^2/NDF: 20993853.9/30

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.131+/-0.000 χ^2/NDF: 42807658.1/51

All: 0.124+/-0.000 χ^2/NDF: 86146088.1/105

- sign 0.118+/-0.000 χ^2/NDF: 43211254.2/53



Right In: 159.586+/-0.000 χ^2/NDF: 15853866678.3/26

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 158.476+/-0.000 χ^2/NDF: 18187760514.8/30

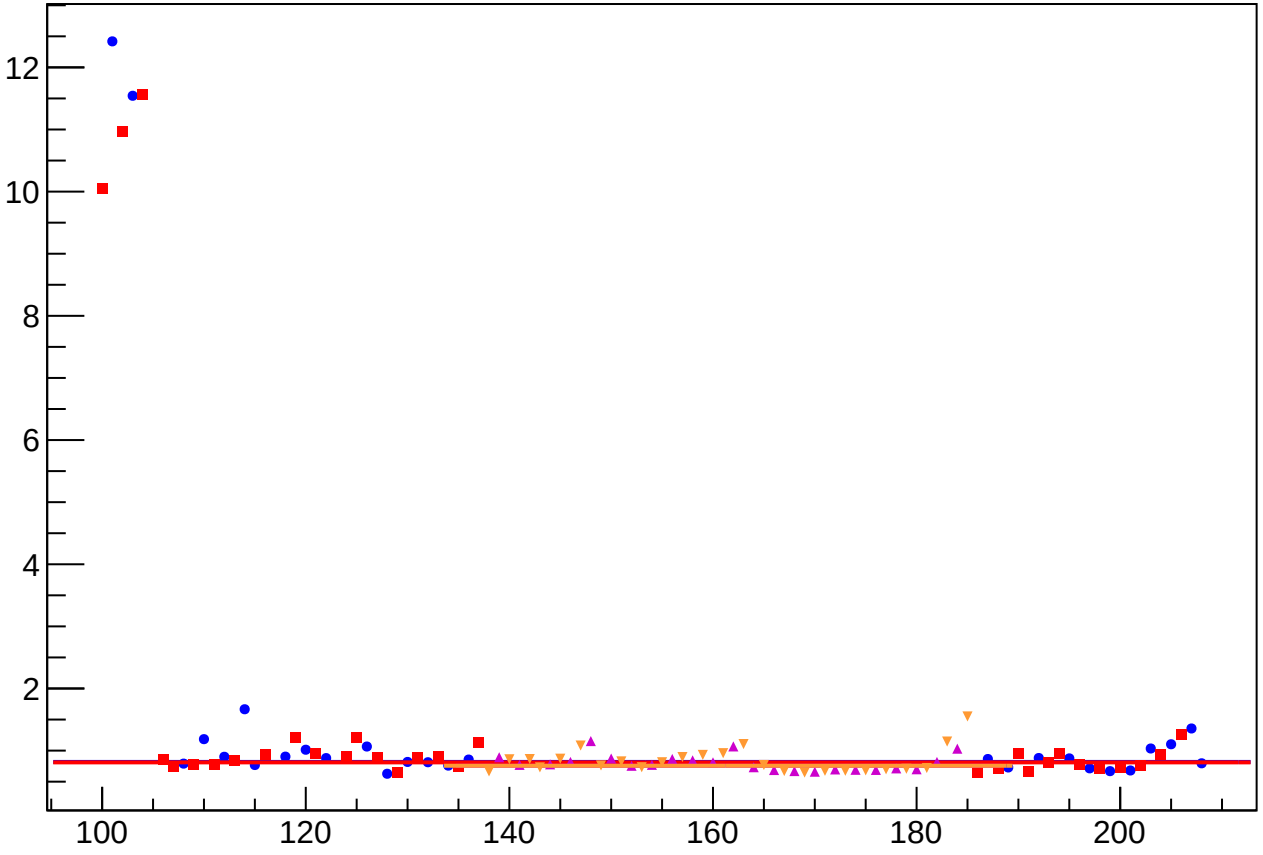
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 160.541+/-0.000 χ^2/NDF: 19616155435.2/51

All: 159.991+/-0.000 χ^2/NDF: 41593573552.

- sign 159.447+/-0.000 χ^2/NDF: 21953335240.4/53

yield_bcm0l02_rms vs Slug



Right In: 0.818+/-0.000 χ^2/NDF: 2854415.4/26

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

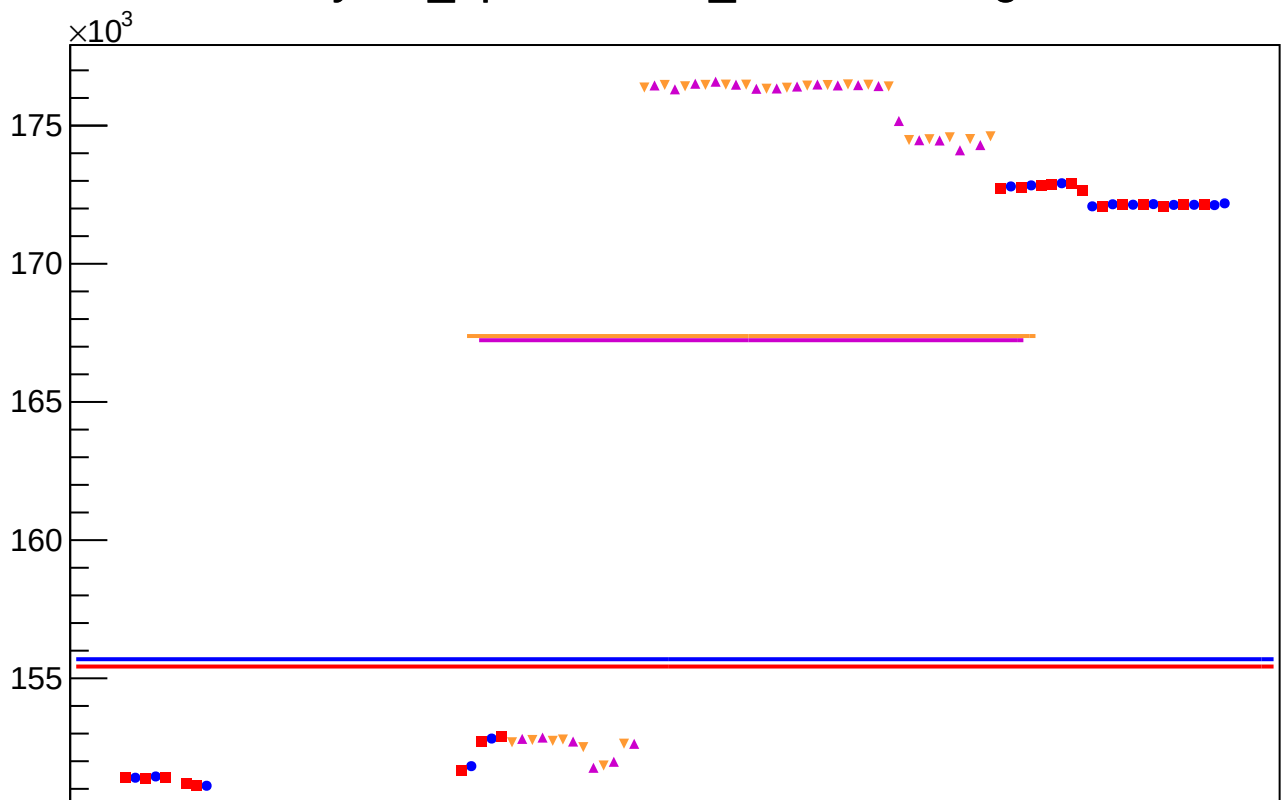
Right Out: 0.811+/-0.000 χ^2/NDF: 2616239.0/30

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.780+/-0.000 χ^2/NDF: 3676560.2/51

All: 0.779+/-0.000 χ^2/NDF: 6825359.9/105

- sign 0.778+/-0.000 χ^2/NDF: 3148670.3/53



Right In: 155691.153+/-0.048 χ^2/NDF: 37573162164.0/26

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 155426.313+/-0.045 χ^2/NDF: 41100535494.8/30

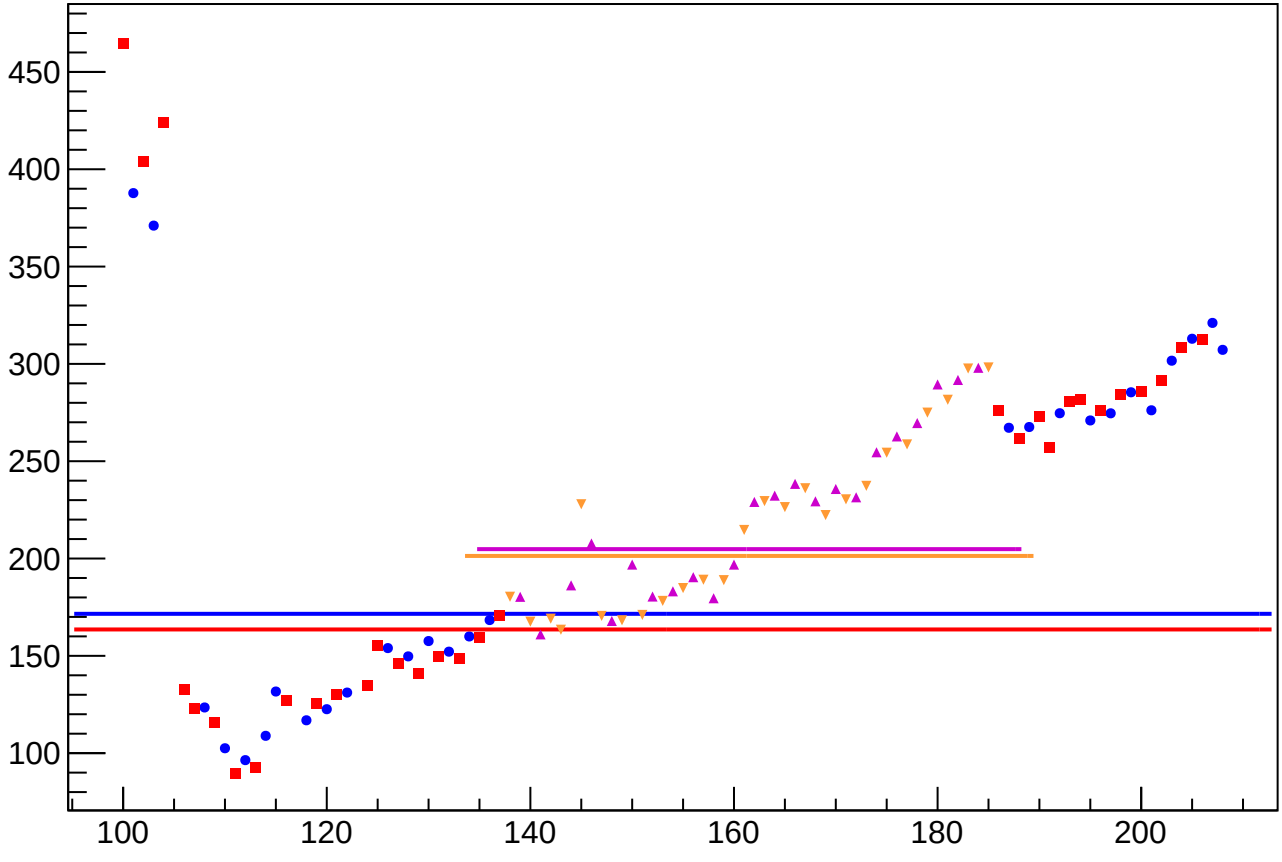
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161663.294+/-0.033 χ^2/NDF: 12781654678

All: 161246.565+/-0.024 χ^2/NDF: 2559503

- sign 160837.607+/-0.033 χ^2/NDF: 12782496856

yield_bpm2i01WS_rms vs Slug



Right In: 171.590+/-0.034 χ^2/NDF: 5107798.6/26

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

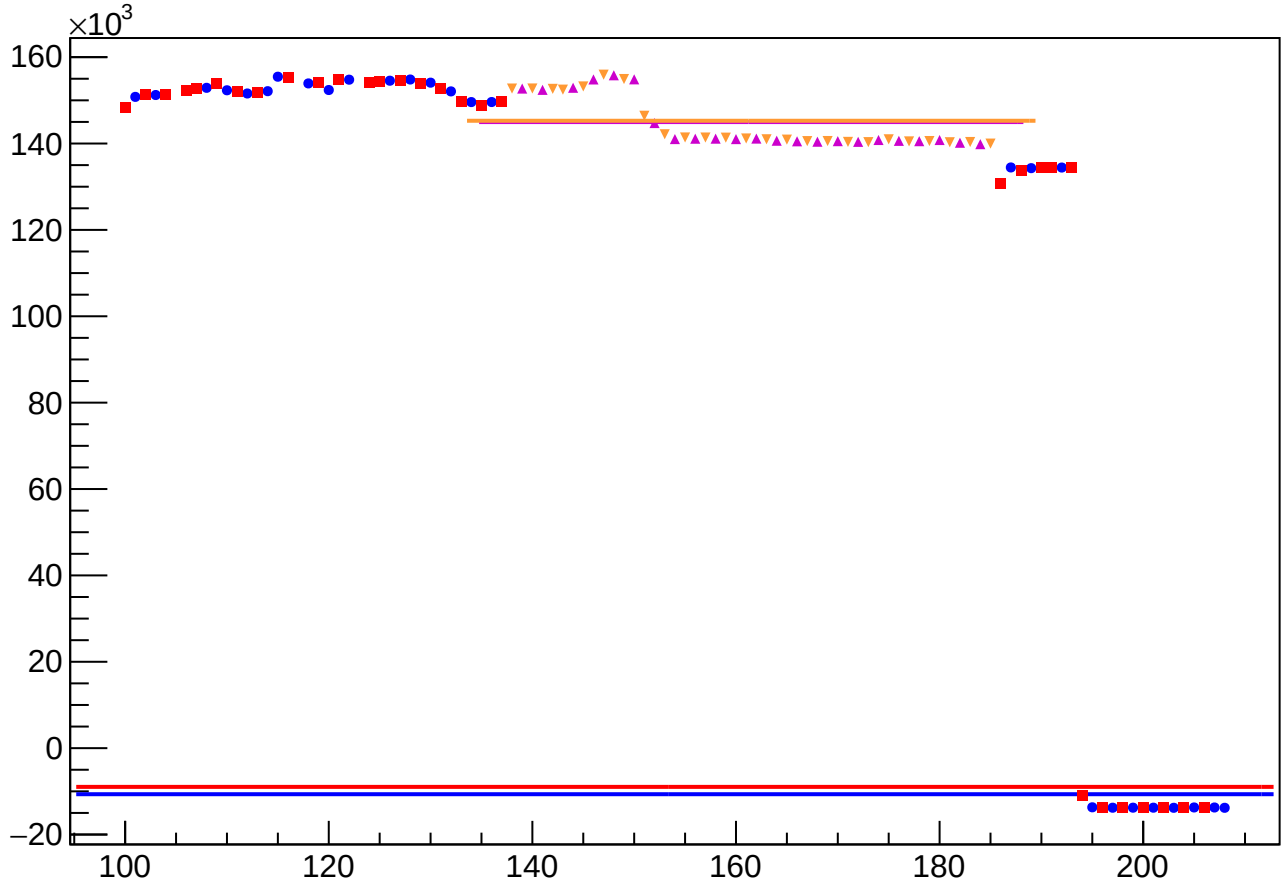
Right Out: 163.554+/-0.032 χ^2/NDF: 5761039.2/30

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 186.777+/-0.024 χ^2/NDF: 6734749.7/51

All: 184.602+/-0.017 χ^2/NDF: 14338442.9/10

- sign 182.468+/-0.023 χ^2/NDF: 7586888.6/53



Right In: -10663.809+/-0.009 χ^2/NDF: 5870421332627.6/26

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -8965.225+/-0.010 χ^2/NDF: 7105444131591.2/30

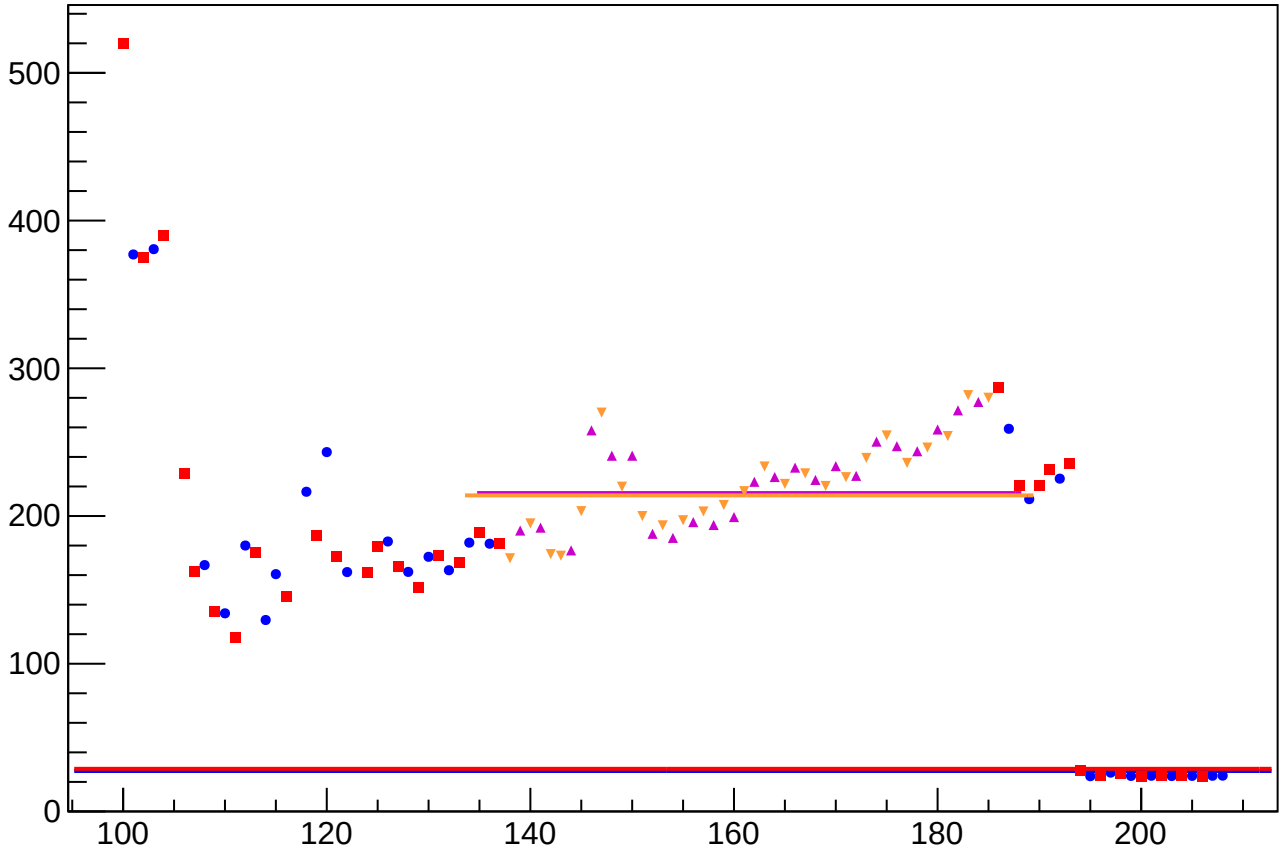
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -5414.696+/-0.009 χ^2/NDF: 1551739641716

All: -4389.268+/-0.007 χ^2/NDF: 3136040070

- sign -3152.862+/-0.010 χ^2/NDF: 15814756464152

yield_bpm0i07WS_rms vs Slug



Right In: 27.396+/-0.007 χ^2/NDF: 12665304.6/26

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

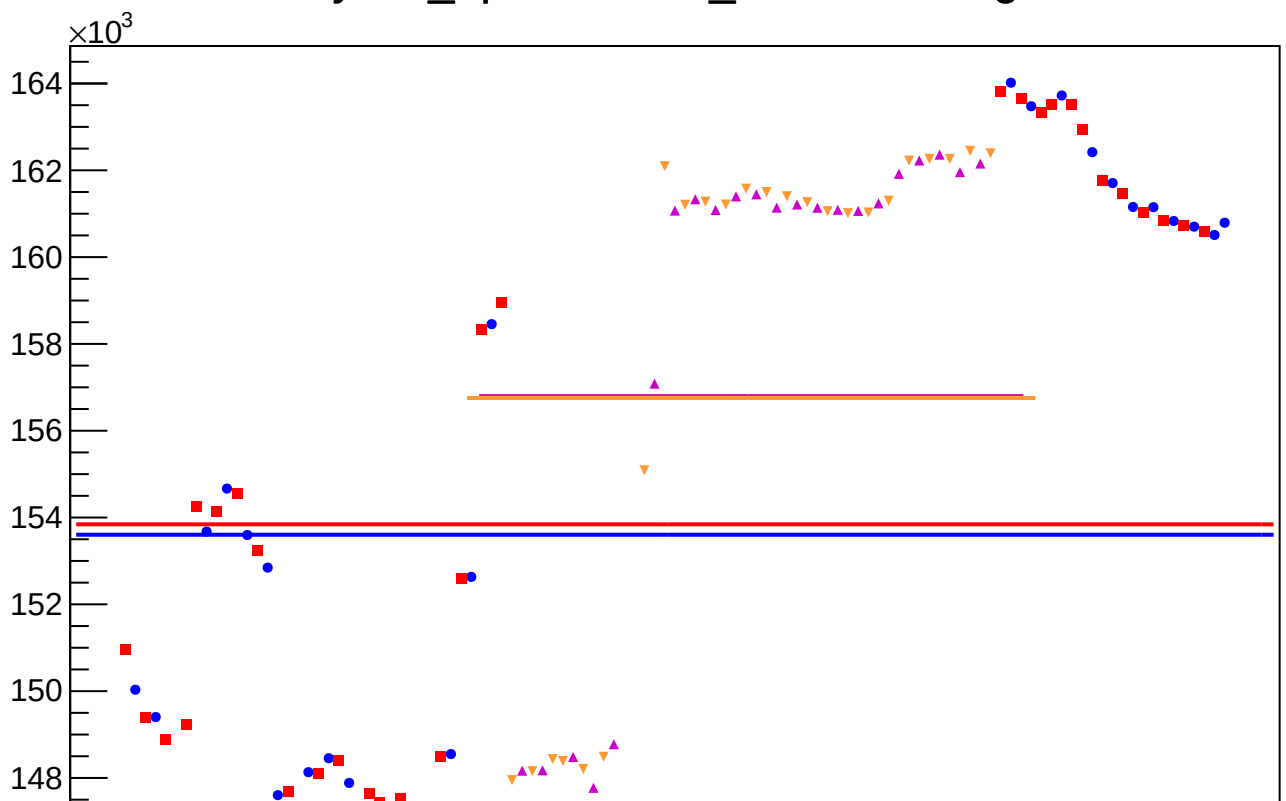
Right Out: 28.861+/-0.007 χ^2/NDF: 14370701.6/30

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 33.676+/-0.006 χ^2/NDF: 40892246.1/51

All: 34.689+/-0.005 χ^2/NDF: 81497727.4/105

- sign 35.910+/-0.007 χ^2/NDF: 40550382.3/53



Right In: 153603.900+/-0.054 χ^2/NDF: 11387723979.5/26

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 153842.887+/-0.052 χ^2/NDF: 12111729080.1/30

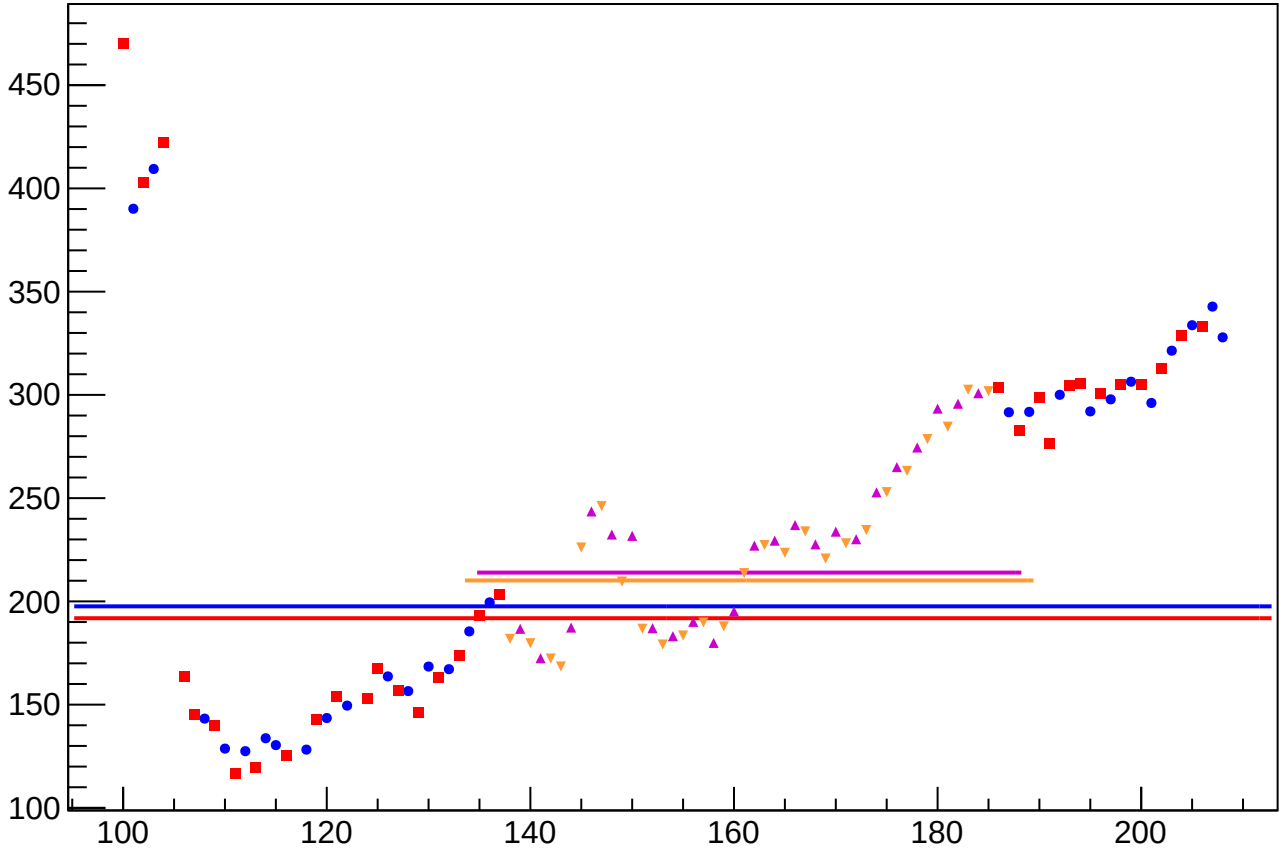
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 155345.420+/-0.036 χ^2/NDF: 29644552358.

All: 155345.767+/-0.026 χ^2/NDF: 5775309

- sign 155346.118+/-0.036 χ^2/NDF: 28108538587.

yield_bpm0i01WS_rms vs Slug



Right In: 197.597+/-0.038 χ^2/NDF: 4266848.4/26

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

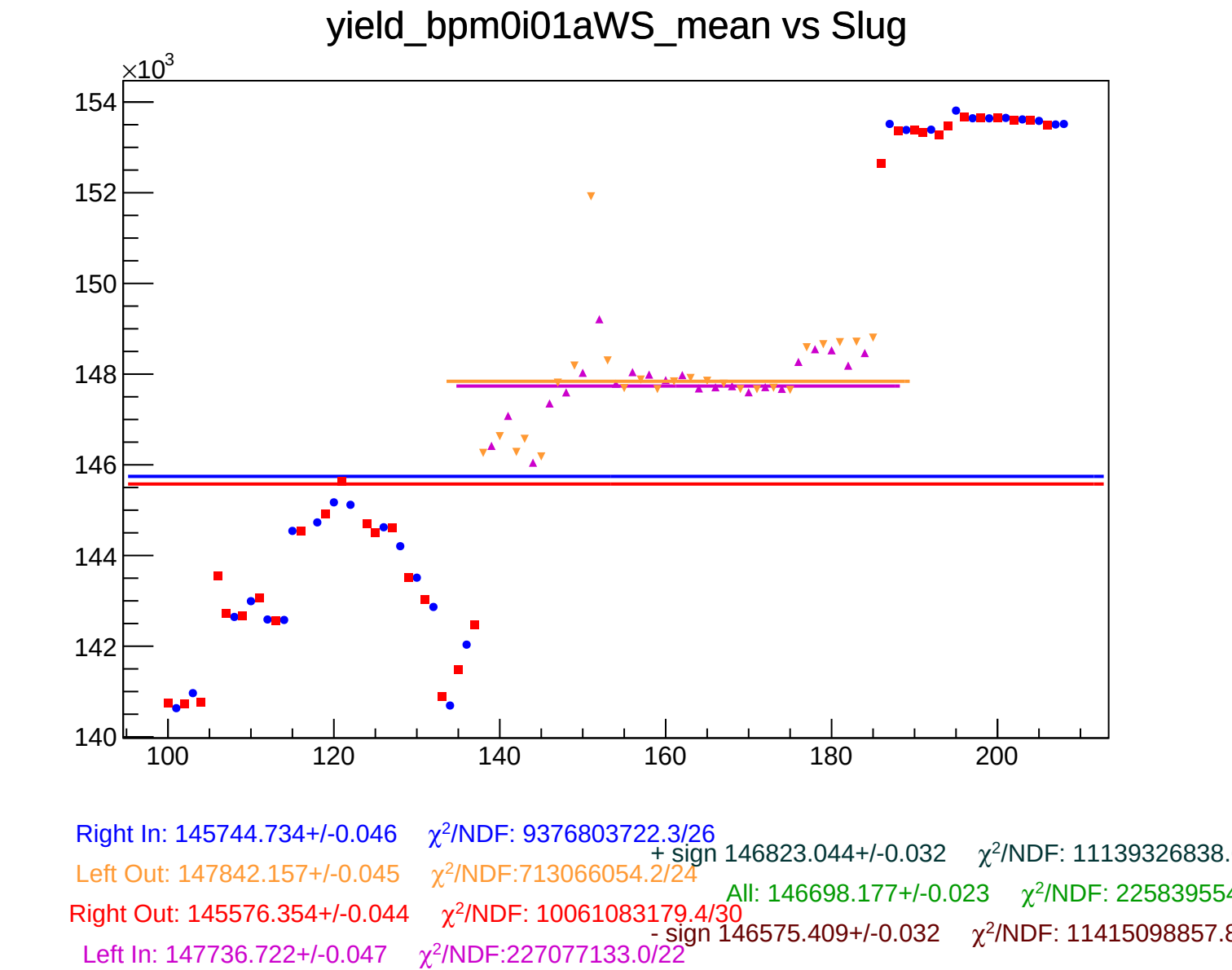
Right Out: 191.850+/-0.037 χ^2/NDF: 4618790.1/30

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

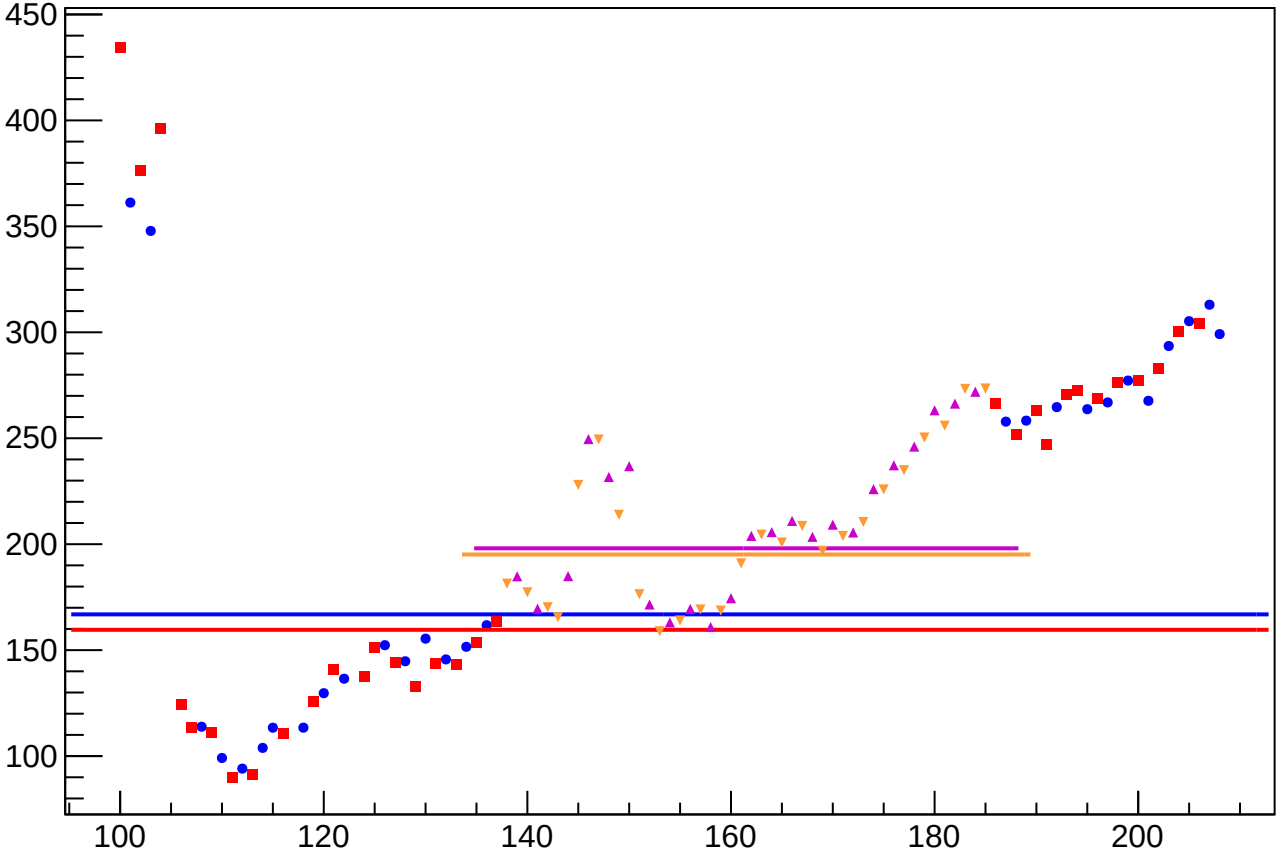
+ sign 204.532+/-0.026 χ^2/NDF: 5324149.5/51

All: 203.814+/-0.018 χ^2/NDF: 11043779.4/10

- sign 203.089+/-0.026 χ^2/NDF: 5718046.5/53


yield_bpm0i01aWS_mean vs Slug
×10^3
154
152
150
148
146
144
142
140
100
120
140
160
180
200
Right In: 145744.734+/-0.046 χ²/NDF: 9376803722.3/26
Left Out: 147842.157+/-0.045 χ²/NDF:713066054.2/24
Right Out: 145576.354+/-0.044 χ²/NDF: 10061083179.4/30
Left In: 147736.722+/-0.047 χ²/NDF:227077133.0/22
+ sign 146823.044+/-0.032 χ²/NDF: 11139326838.
All: 146698.177+/-0.023 χ²/NDF: 22583955
- sign 146575.409+/-0.032 χ²/NDF: 11415098857.8

yield_bpm0i01aWS_rms vs Slug



Right In: 166.882+/-0.033 χ^2/NDF: 5057326.7/26

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

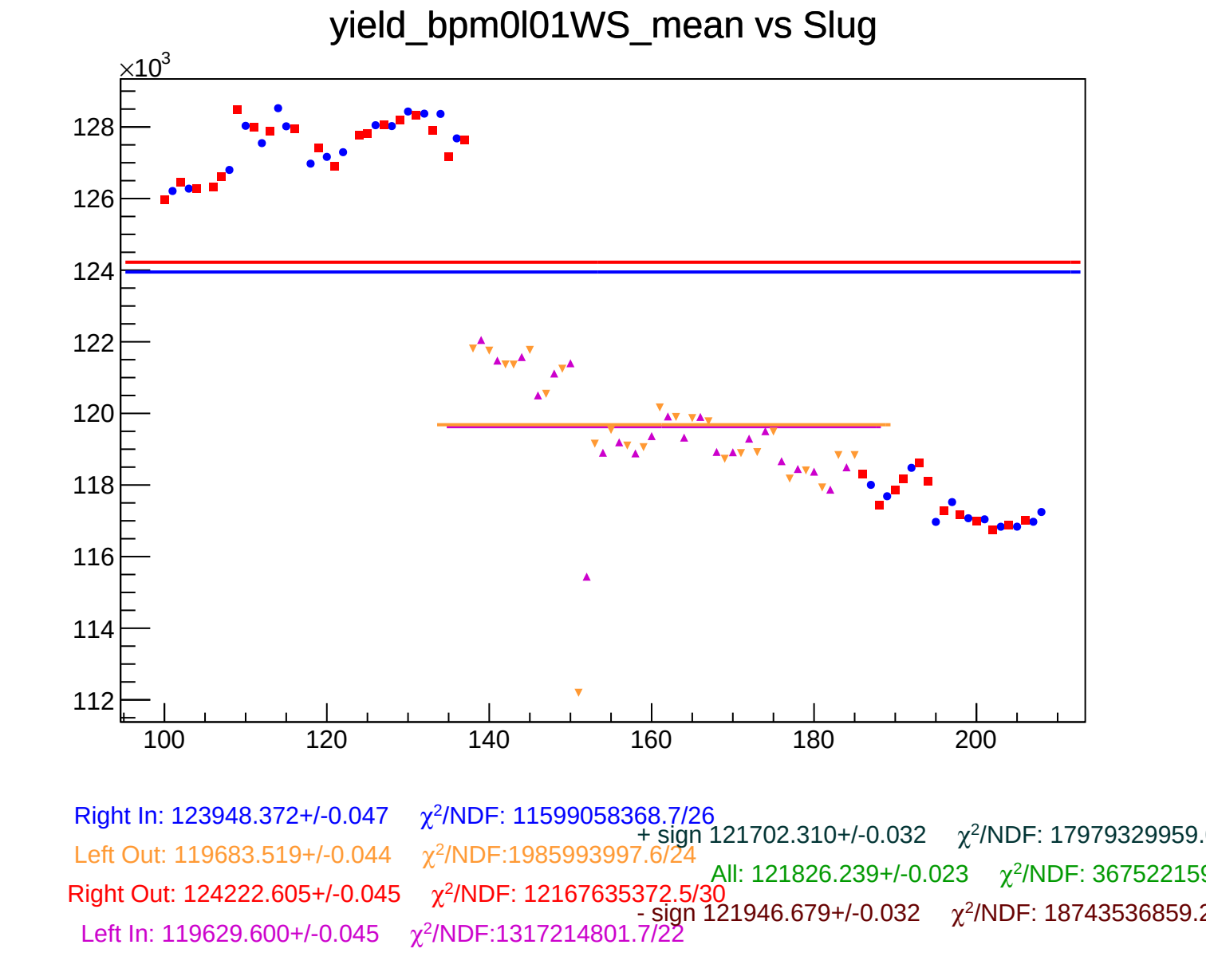
Right Out: 159.598+/-0.031 χ^2/NDF: 5621818.0/30

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

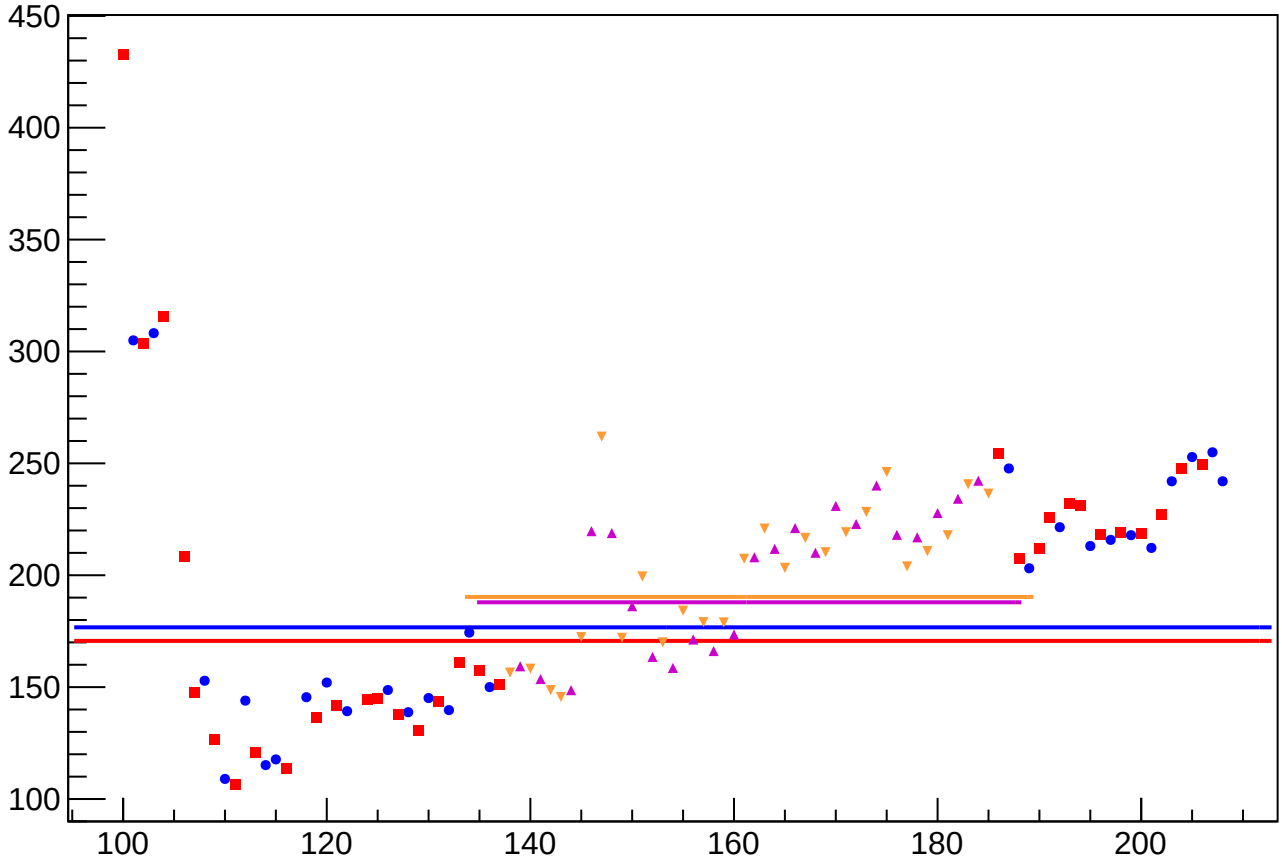
+ sign 181.413+/-0.023 χ^2/NDF: 6342450.4/51

All: 179.381+/-0.016 χ^2/NDF: 13594554.8/10

- sign 177.383+/-0.023 χ^2/NDF: 7236465.7/53


yield_bpm0l01WS_mean vs Slug
×10^3
128
126
124
122
120
118
116
114
112
100
120
140
160
180
200
Right In: 123948.372+/-0.047 χ²/NDF: 11599058368.7/26
Left Out: 119683.519+/-0.044 χ²/NDF:1985993997.6/24
Right Out: 124222.605+/-0.045 χ²/NDF: 12167635372.5/30
Left In: 119629.600+/-0.045 χ²/NDF:1317214801.7/22
+ sign 121702.310+/-0.032 χ²/NDF: 17979329959.
All: 121826.239+/-0.023 χ²/NDF: 36752215
- sign 121946.679+/-0.032 χ²/NDF: 18743536859.2

yield_bpm0l01WS_rms vs Slug



Right In: 176.724+/-0.033 χ^2/NDF: 2205262.7/26

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

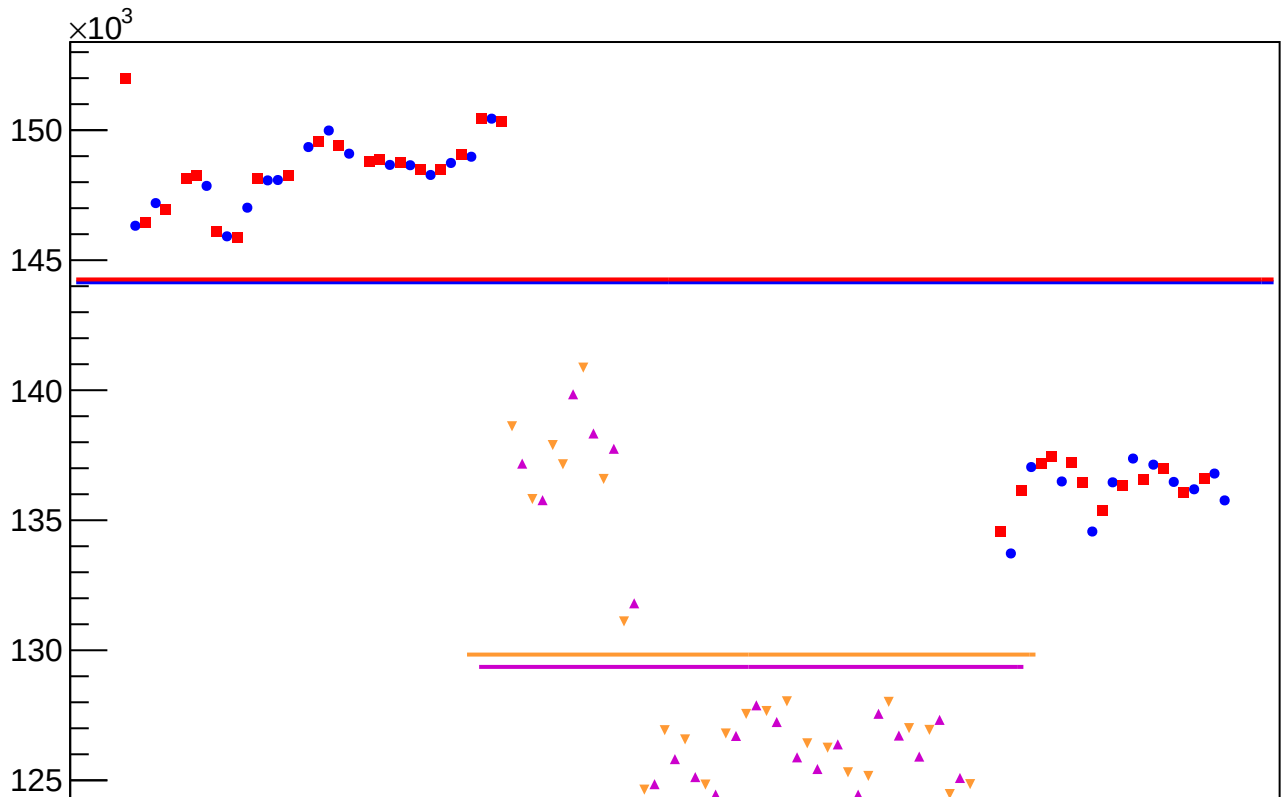
Right Out: 170.666+/-0.032 χ^2/NDF: 2715798.2/30

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 183.872+/-0.023 χ^2/NDF: 3218833.7/51

All: 181.508+/-0.016 χ^2/NDF: 7030263.3/105

- sign 179.210+/-0.022 χ^2/NDF: 3790064.9/53



Right In: 144150.372+/-0.066 χ^2/NDF: 8217068066.4/26

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 144258.957+/-0.062 χ^2/NDF: 8494777029.7/30

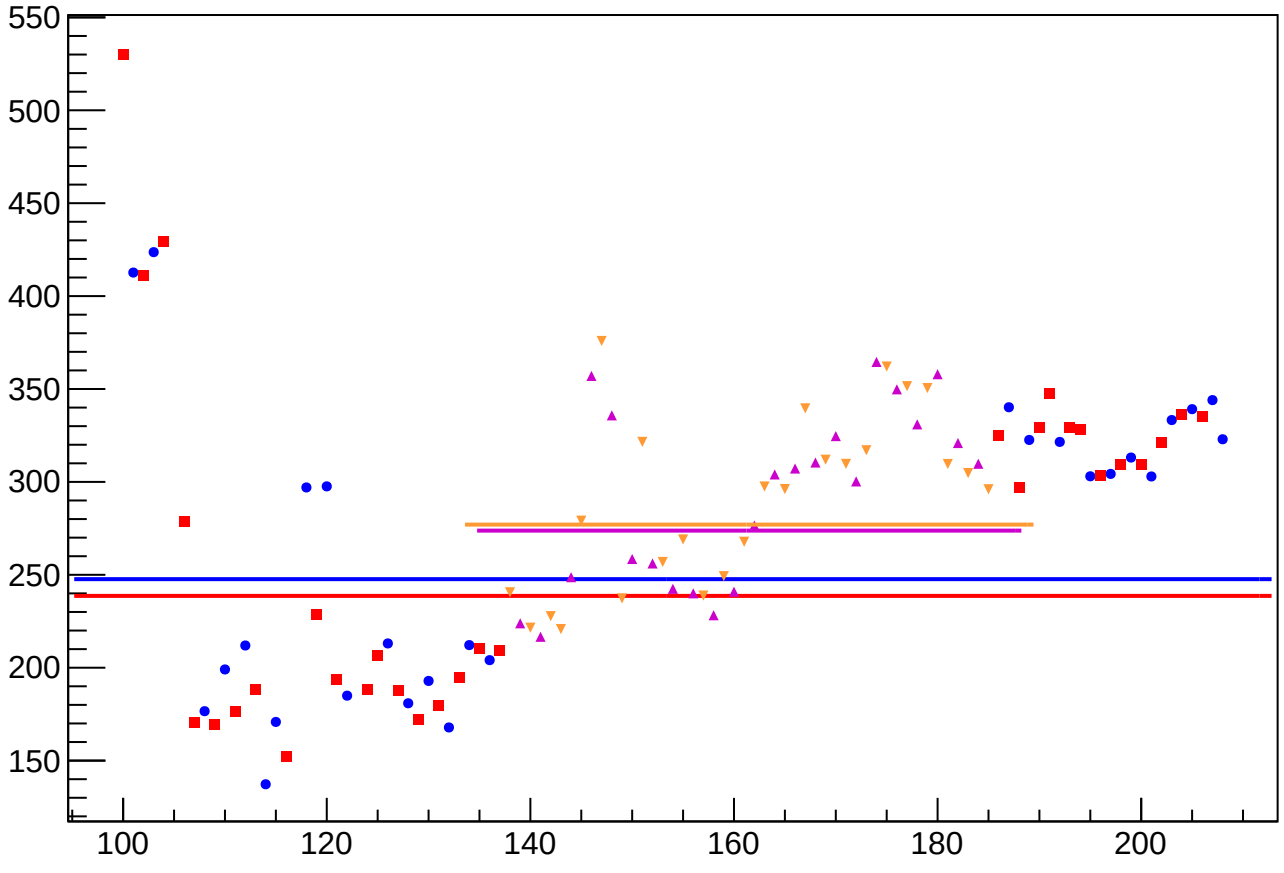
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136838.690+/-0.046 χ^2/NDF: 39339874393.

All: 137002.762+/-0.032 χ^2/NDF: 81697370

- sign 137161.357+/-0.045 χ^2/NDF: 42332346106.

yield_bpm0l02WS_rms vs Slug



Right In: 247.664+/-0.046 χ^2/NDF: 2368701.7/26

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

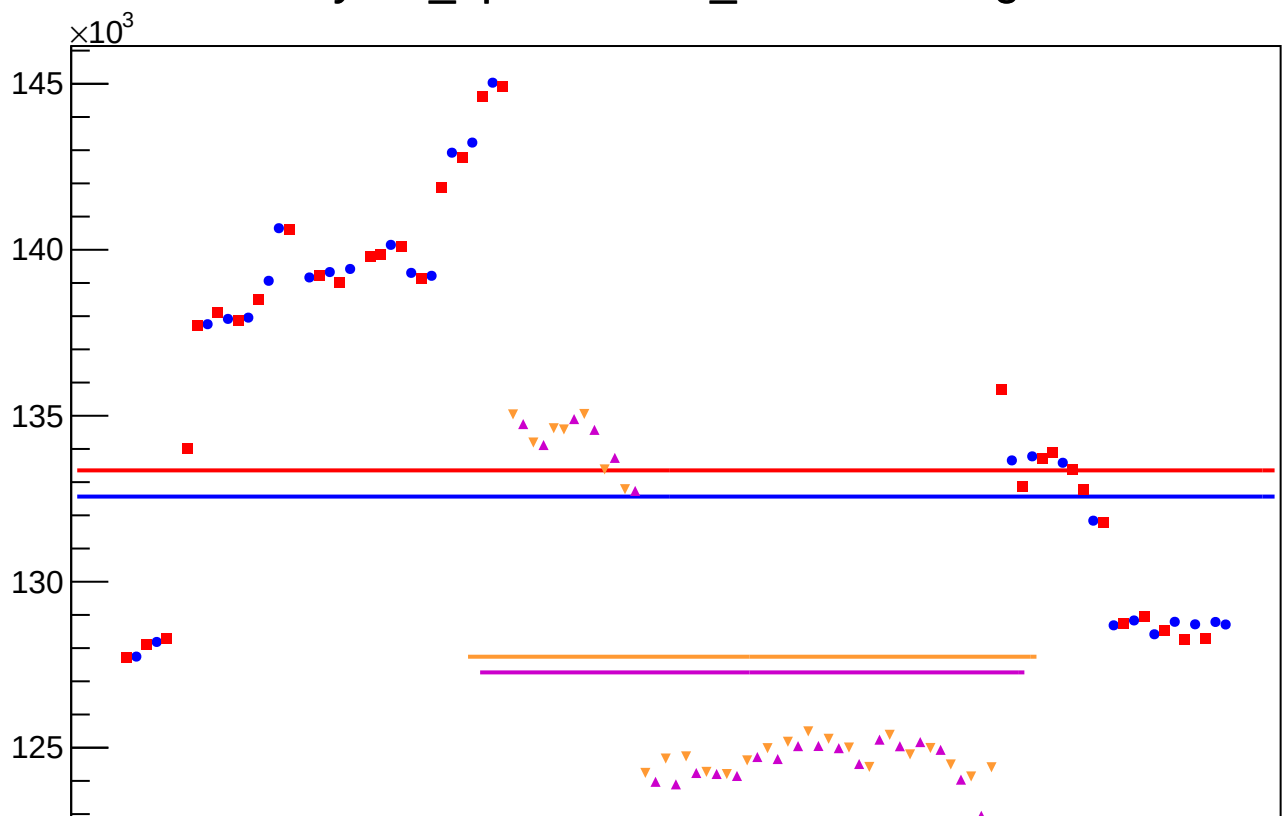
Right Out: 238.650+/-0.044 χ^2/NDF: 2640780.9/30

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 262.658+/-0.032 χ^2/NDF: 3519920.1/51

All: 258.961+/-0.023 χ^2/NDF: 7492808.5/105

- sign 255.388+/-0.032 χ^2/NDF: 3947356.6/53



Right In: 132565.444+/-0.106 χ^2/NDF: 2661023162.0/26

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 133354.290+/-0.112 χ^2/NDF: 1723758911.2/30

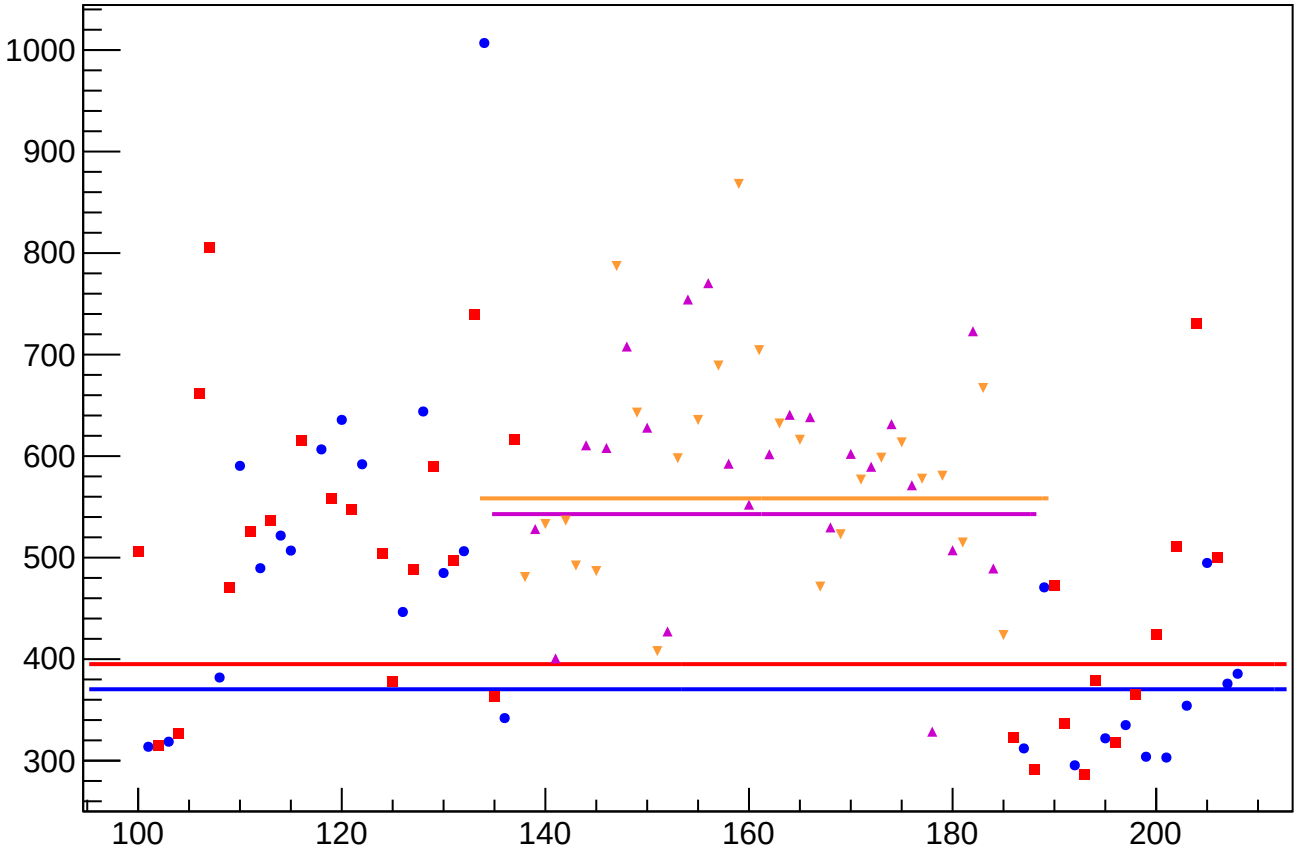
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 130741.882+/-0.083 χ^2/NDF: 4541138264.3

All: 130836.455+/-0.060 χ^2/NDF: 84021826

- sign 130940.181+/-0.087 χ^2/NDF: 3858345114.4/

yield_bpm0l03WS_rms vs Slug



Right In: 370.348+/-0.075 χ^2/NDF: 1575924.4/26

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

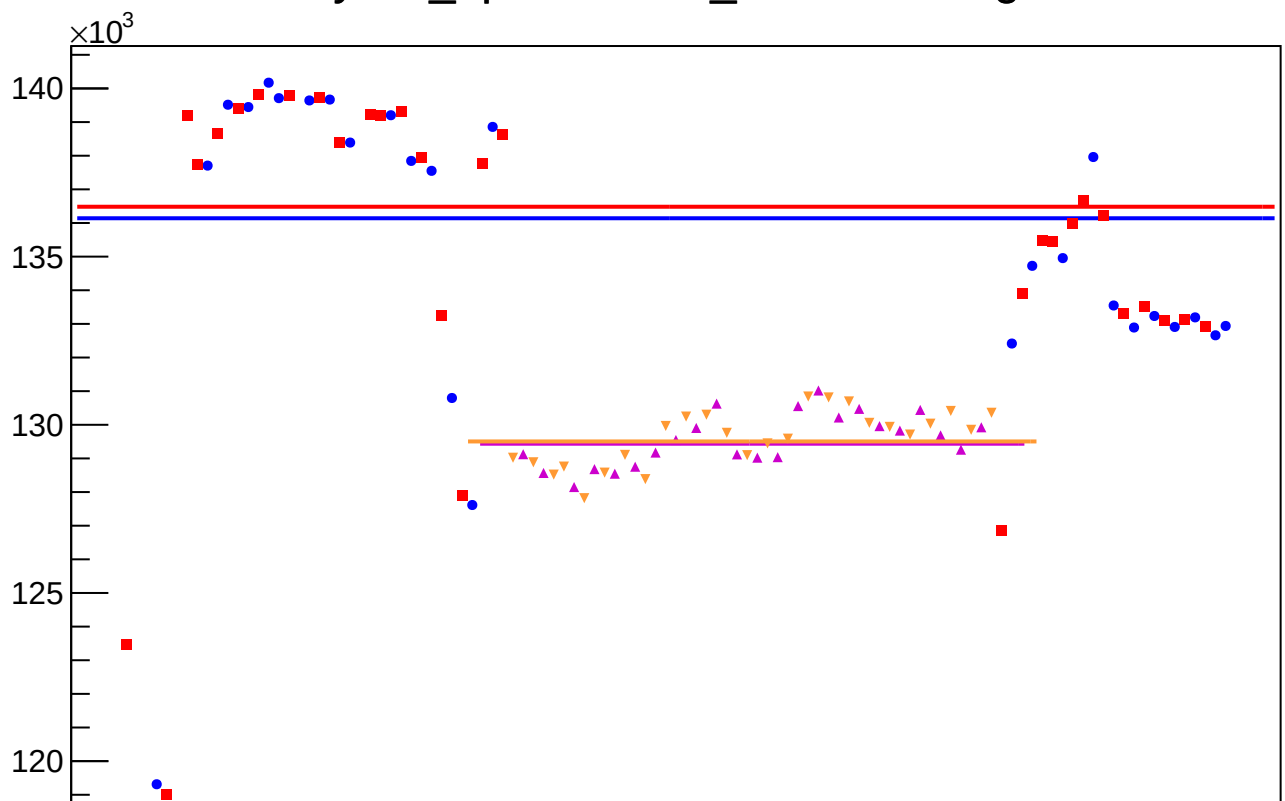
Right Out: 395.093+/-0.079 χ^2/NDF: 1957282.9/30

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 441.421+/-0.059 χ^2/NDF: 4936939.5/51

All: 447.284+/-0.043 χ^2/NDF: 9703415.7/105

- sign 453.714+/-0.062 χ^2/NDF: 4745727.4/53



Right In: 136140.593+/-0.060 χ^2/NDF: 6504776737.4/26

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136483.138+/-0.056 χ^2/NDF: 6742370689.4/30

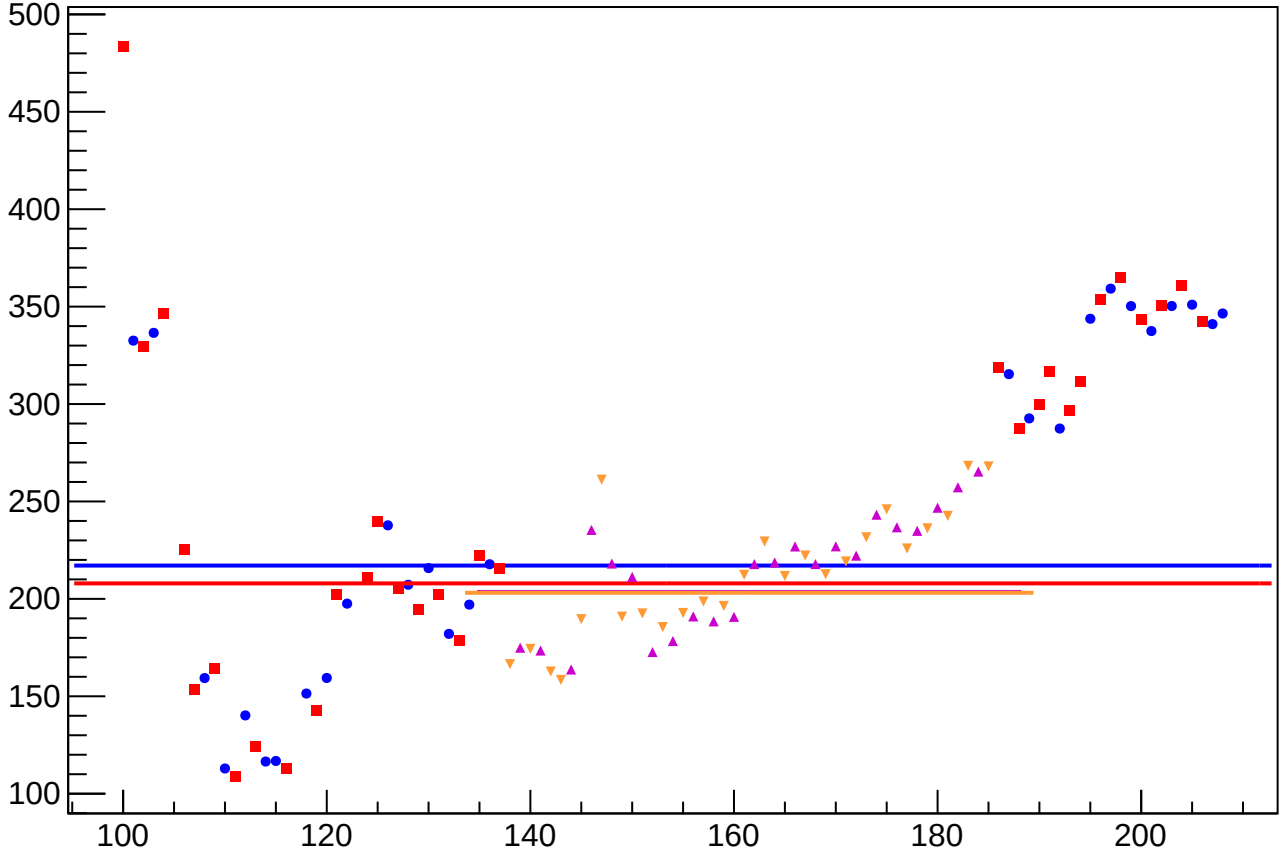
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 132052.722+/-0.037 χ^2/NDF: 14458450102.

All: 132240.104+/-0.026 χ^2/NDF: 30498269

- sign 132426.099+/-0.037 χ^2/NDF: 15988402162.5

yield_bpm0l04WS_rms vs Slug



Right In: 217.093+/-0.042 χ^2/NDF: 4106015.4/26

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

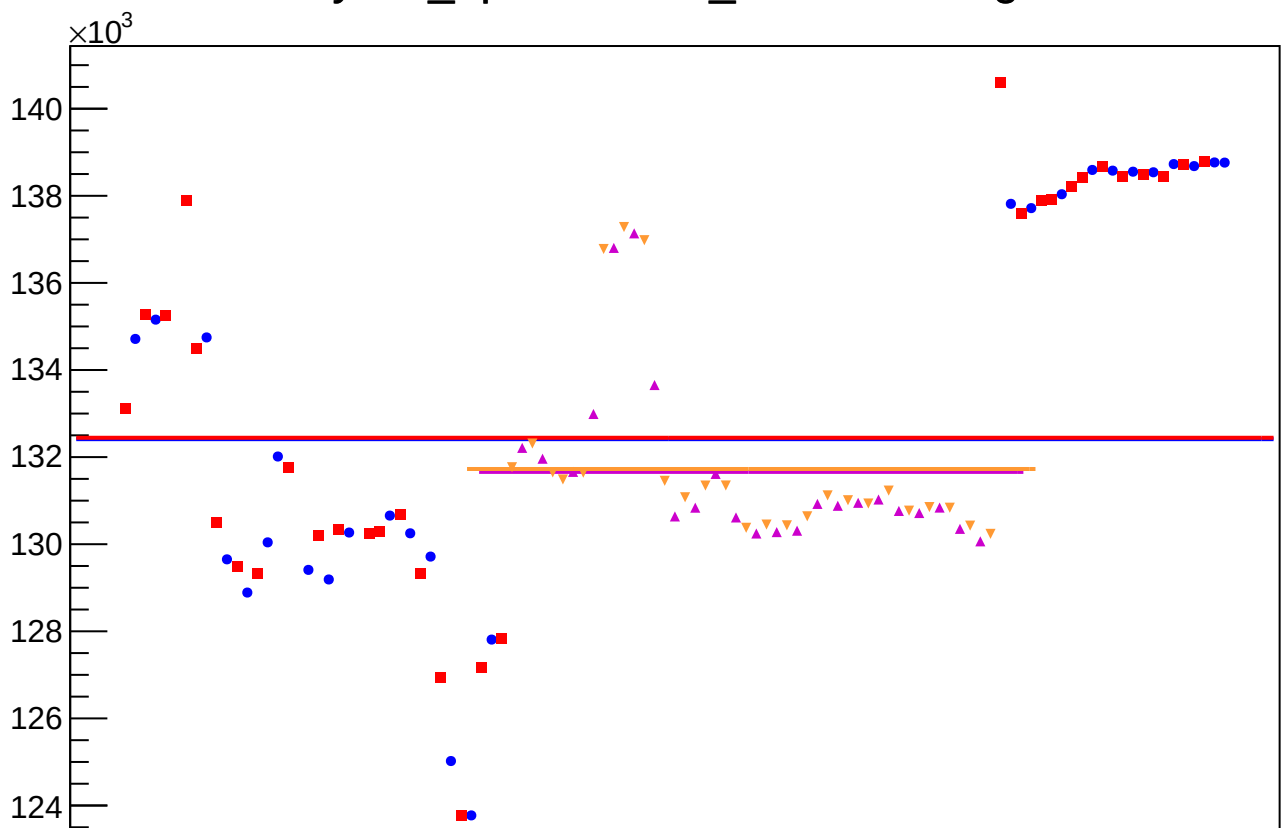
Right Out: 207.952+/-0.040 χ^2/NDF: 4721959.0/30

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 208.491+/-0.026 χ^2/NDF: 4932257.2/51

All: 206.947+/-0.018 χ^2/NDF: 10334256.1/10

- sign 205.415+/-0.026 χ^2/NDF: 5395021.8/53



Right In: 132411.998+/-0.054 χ^2/NDF: 8169605024.8/26

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 132444.079+/-0.051 χ^2/NDF: 8130889451.2/30

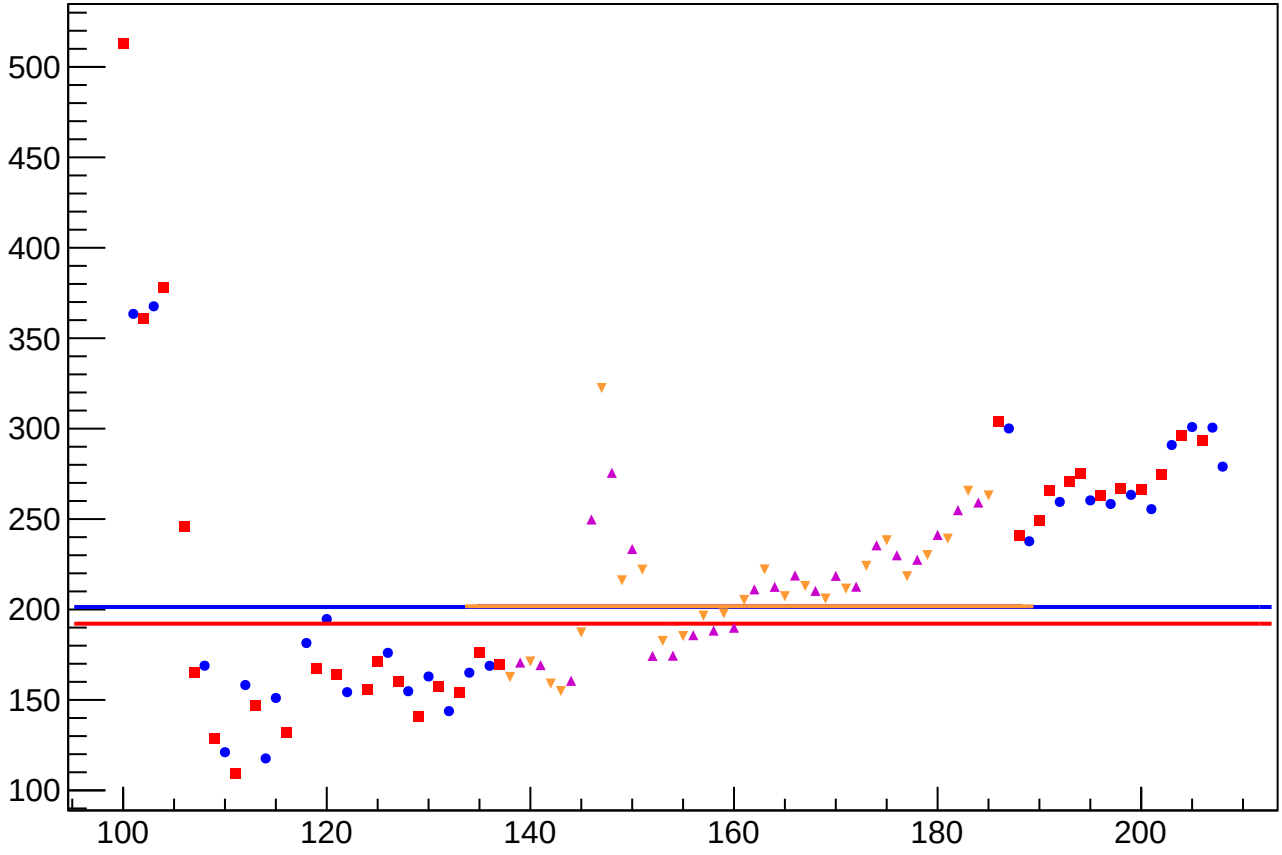
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 132022.233+/-0.035 χ^2/NDF: 9686767949.6

All: 132026.288+/-0.025 χ^2/NDF: 19106905

- sign 132030.268+/-0.035 χ^2/NDF: 9420111471.9/

yield_bpm0l05WS_rms vs Slug



Right In: 201.376+/-0.038 χ^2/NDF: 2680979.4/26

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

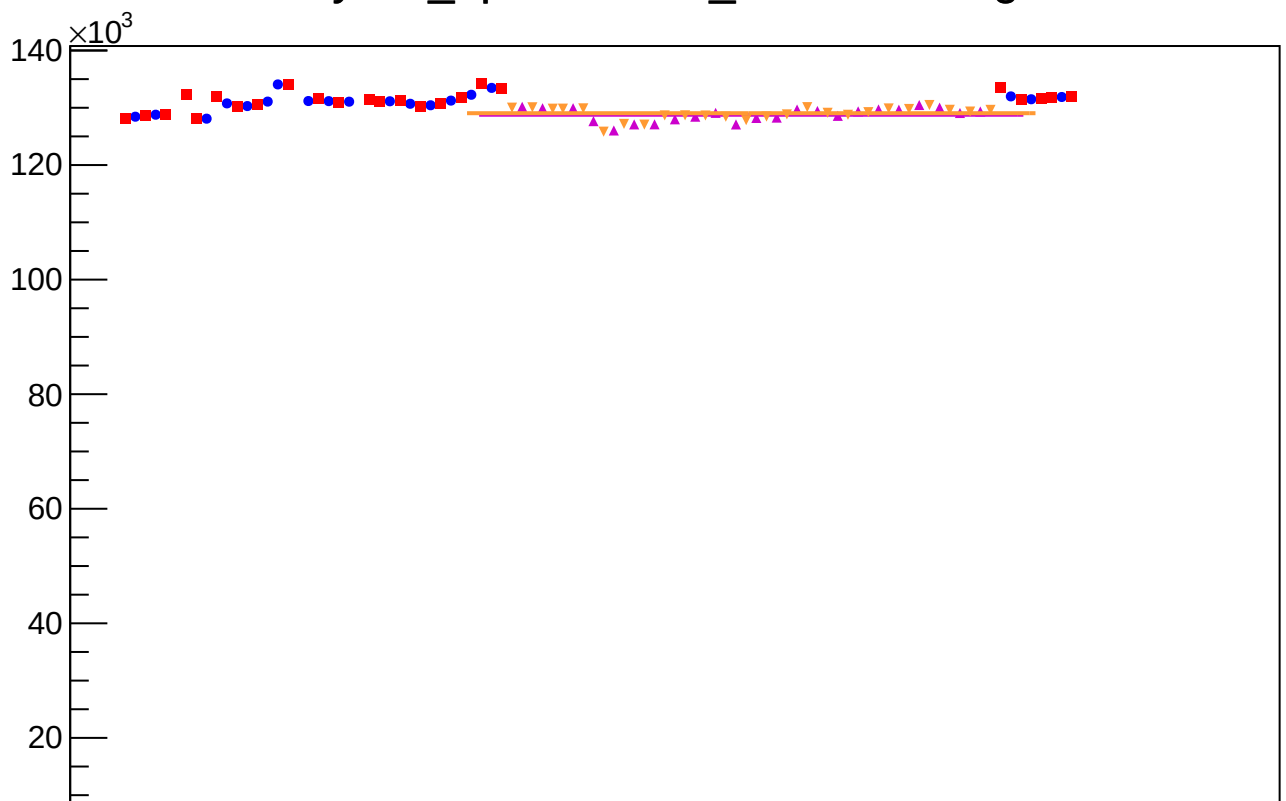
Right Out: 192.157+/-0.036 χ^2/NDF: 3401370.9/30

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 201.616+/-0.025 χ^2/NDF: 3586401.6/51

All: 199.452+/-0.018 χ^2/NDF: 7844308.7/105

- sign 197.327+/-0.025 χ^2/NDF: 4243041.0/53



Right In: 3499.660+/-0.005 χ^2/NDF: 4991868469374.0/26

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 4035.367+/-0.006 χ^2/NDF: 5891974370032.4/30

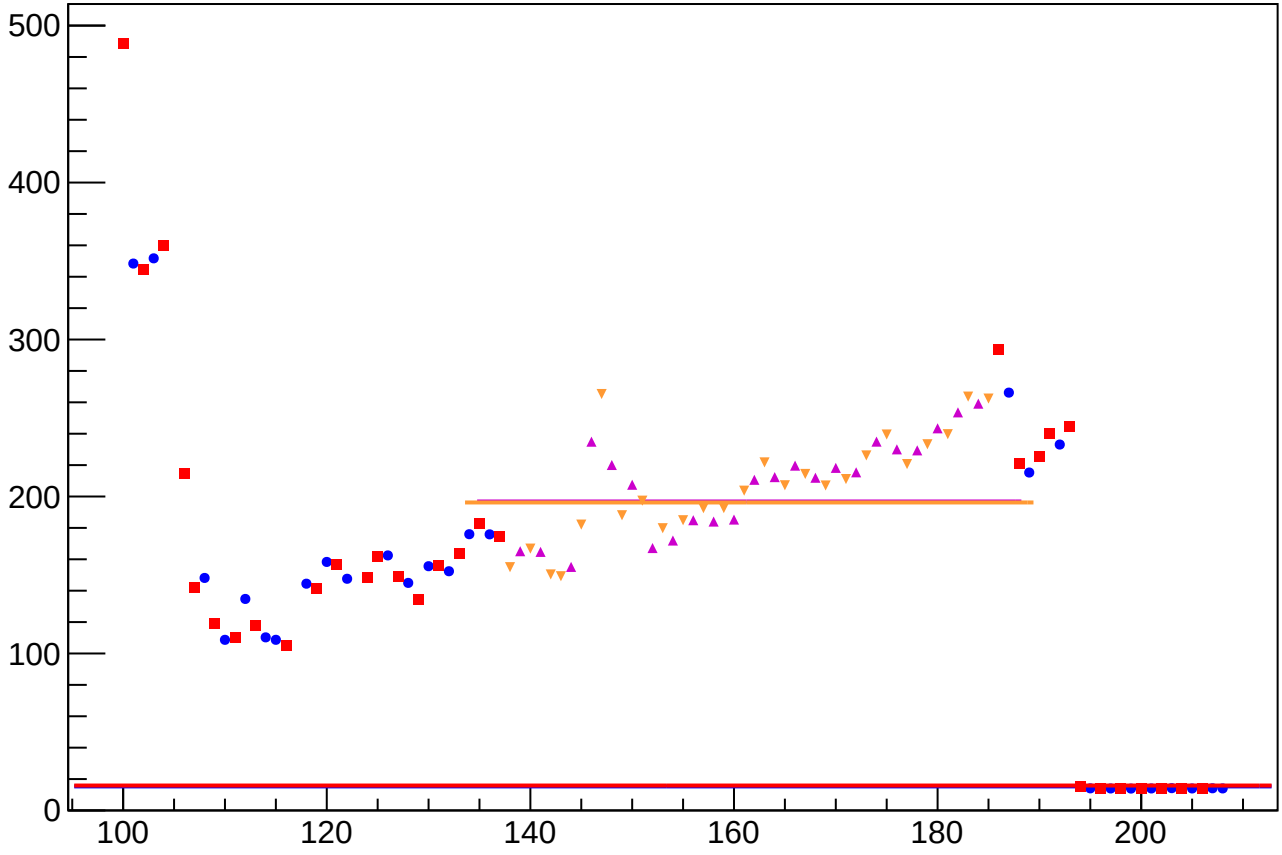
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 5197.065+/-0.005 χ^2/NDF: 12506385022562

All: 5544.484+/-0.004 χ^2/NDF: 2537491470

- sign 5967.456+/-0.006 χ^2/NDF: 12858963408201

yield_bpm0l06WS_rms vs Slug



Right In: 15.318+/-0.004 χ^2/NDF: 14421437.4/26

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

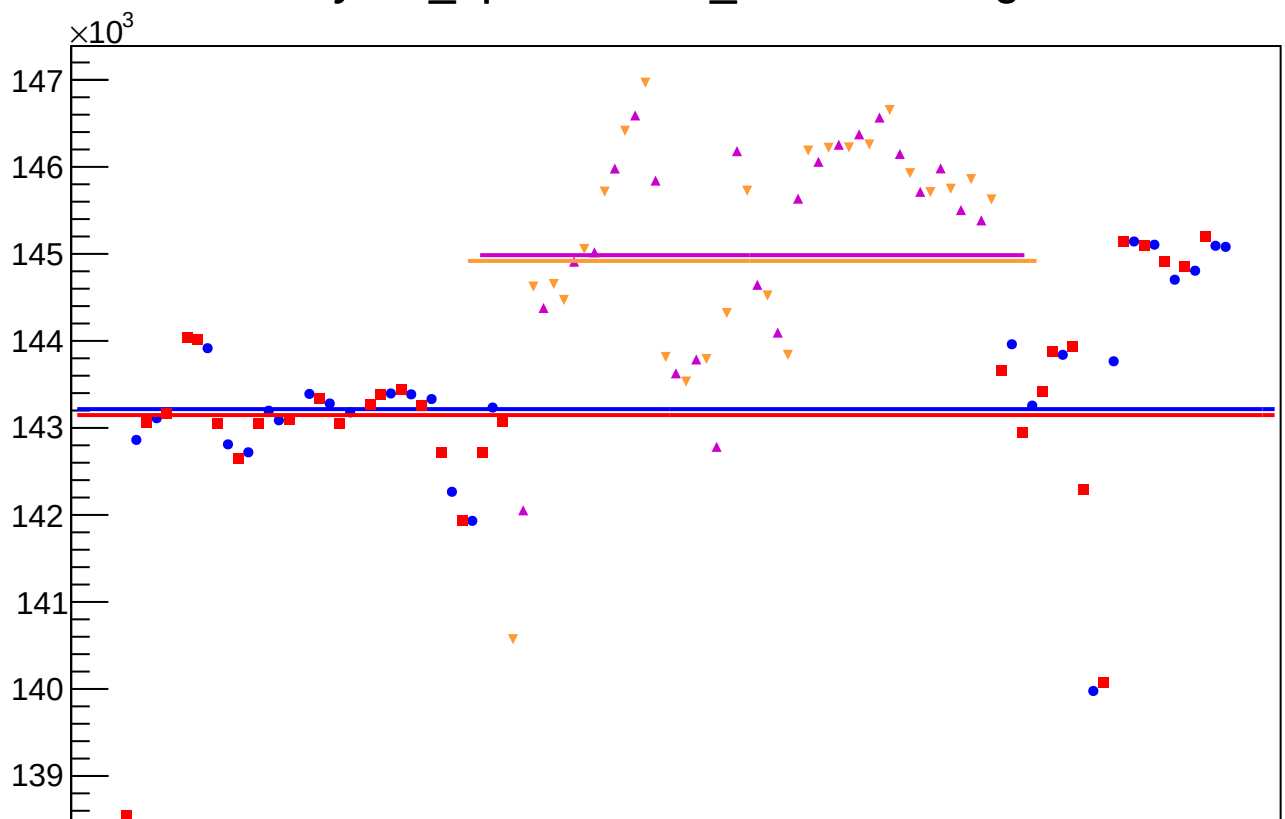
Right Out: 15.879+/-0.004 χ^2/NDF: 16485613.3/30

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 17.763+/-0.004 χ^2/NDF: 46537999.3/51

All: 18.177+/-0.003 χ^2/NDF: 93141824.4/105

- sign 18.682+/-0.004 χ^2/NDF: 46576635.5/53



Right In: 143216.187+/-0.058 χ^2/NDF: 241693115.7/26

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143147.487+/-0.054 χ^2/NDF: 226856905.4/30

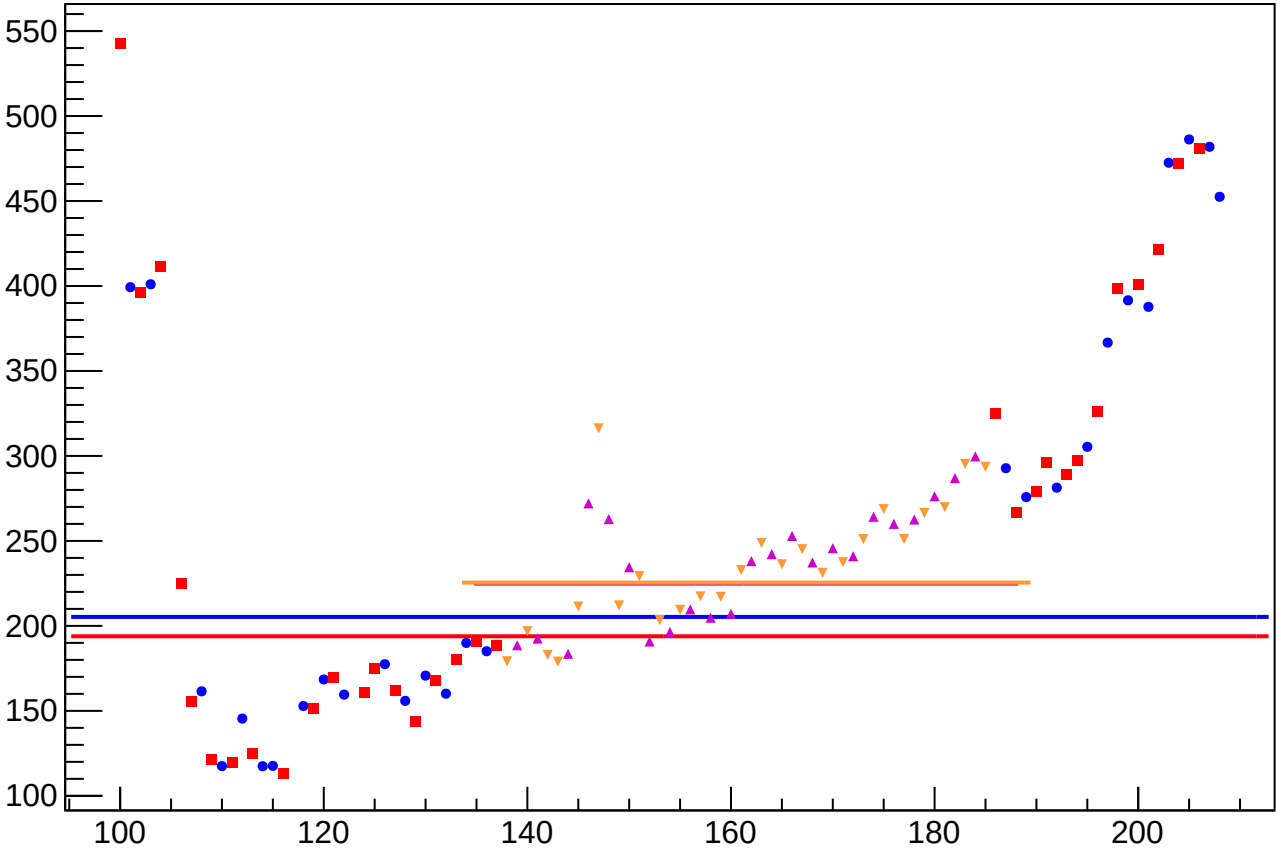
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144153.766+/-0.039 χ^2/NDF: 1555258055.5

All: 144110.367+/-0.027 χ^2/NDF: 29904680

- sign 144068.789+/-0.038 χ^2/NDF: 1432754118.5/

yield_bpm0l07WS_rms vs Slug



Right In: 205.283+/-0.041 χ^2/NDF: 5646784.8/26

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

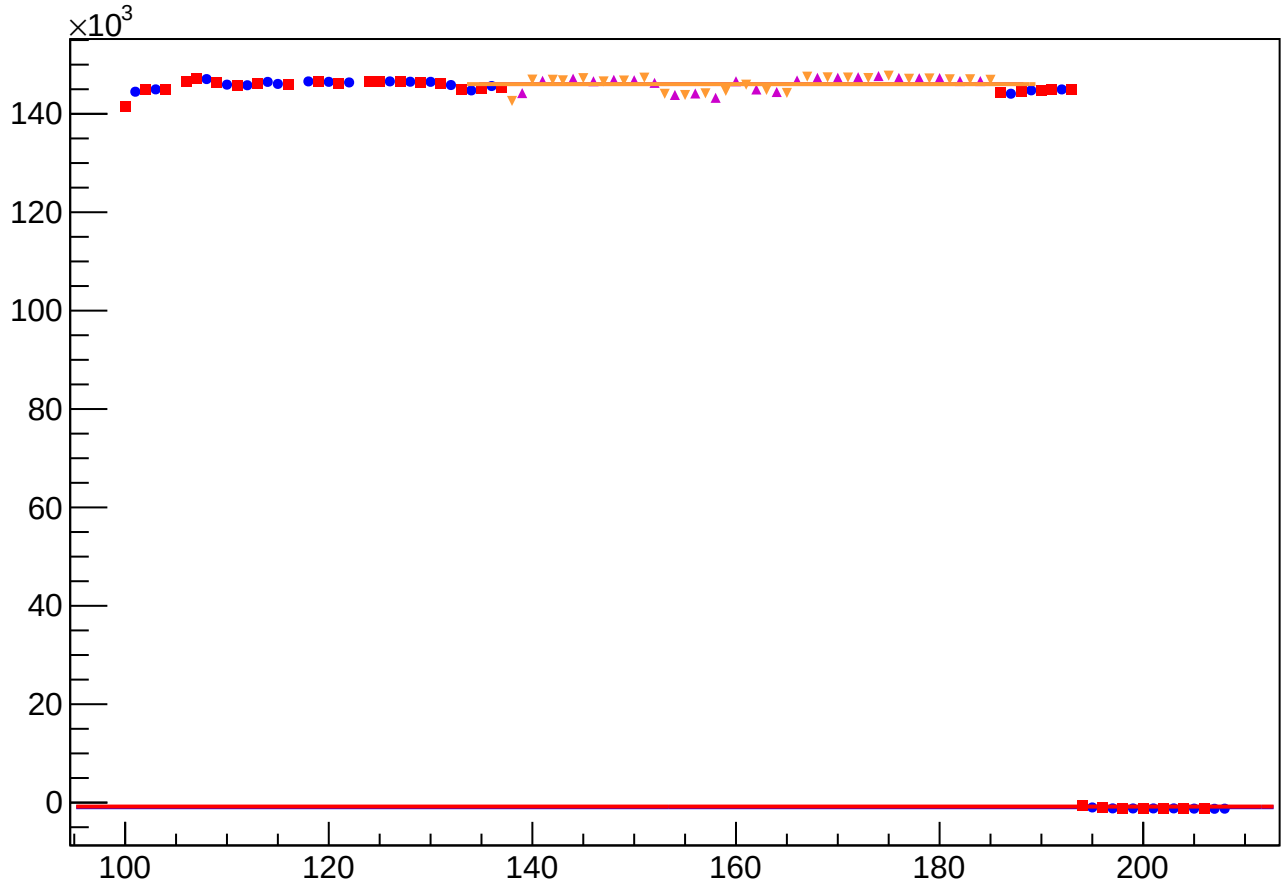
Right Out: 193.885+/-0.038 χ^2/NDF: 5977479.3/30

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 216.400+/-0.027 χ^2/NDF: 6556569.9/51

All: 212.832+/-0.019 χ^2/NDF: 13624694.3/10

- sign 209.415+/-0.027 χ^2/NDF: 7034937.9/53



Right In: -933.633+/-0.003 χ^2/NDF: 5375143877500.3/26

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -805.042+/-0.003 χ^2/NDF: 6461636713825.1/30

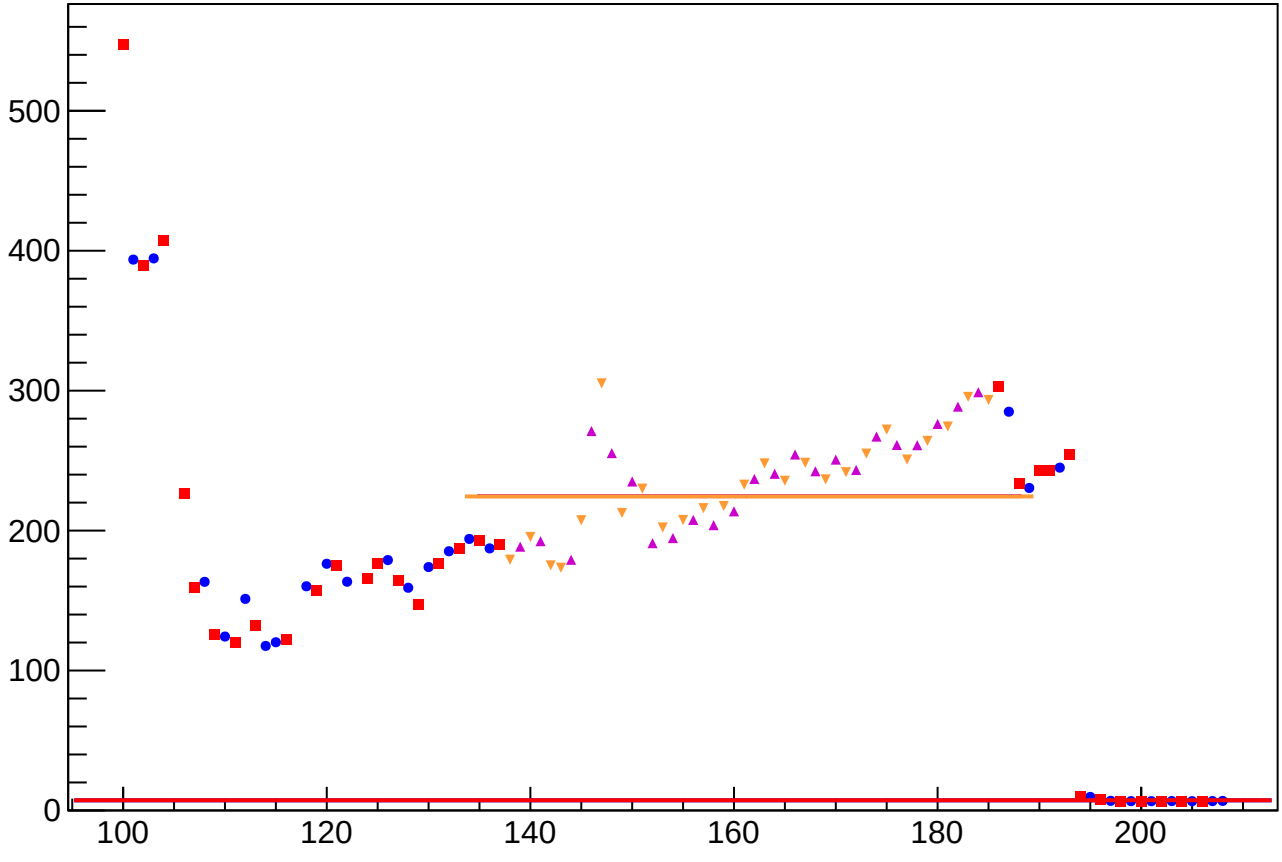
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign -554.125+/-0.003 χ^2/NDF: 13341262628221

All: -472.143+/-0.002 χ^2/NDF: 2730170817

- sign -373.106+/-0.003 χ^2/NDF: 13958320827525.

yield_bpm0l08WS_rms vs Slug



Right In: 7.210+/-0.002 χ^2/NDF: 16113994.5/26

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

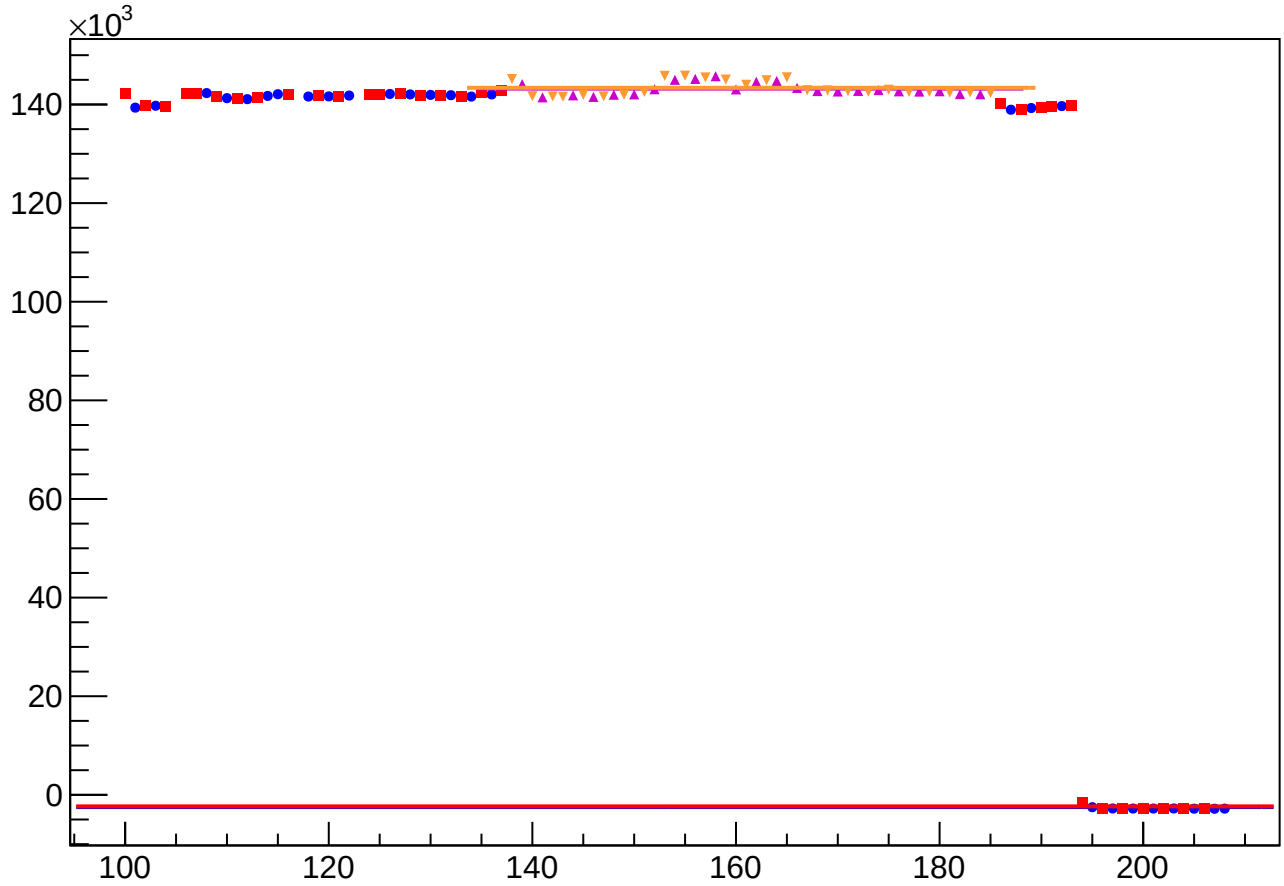
Right Out: 7.298+/-0.002 χ^2/NDF: 18419562.6/30

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 7.771+/-0.002 χ^2/NDF: 51752889.2/51

All: 7.846+/-0.001 χ^2/NDF: 103771902.4/105

- sign 7.937+/-0.002 χ^2/NDF: 52015427.7/53



Right In: -2473.869+/-0.003 χ^2/NDF: 4963238588215.3/26

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2337.407+/-0.003 χ^2/NDF: 5829967559782.9/30

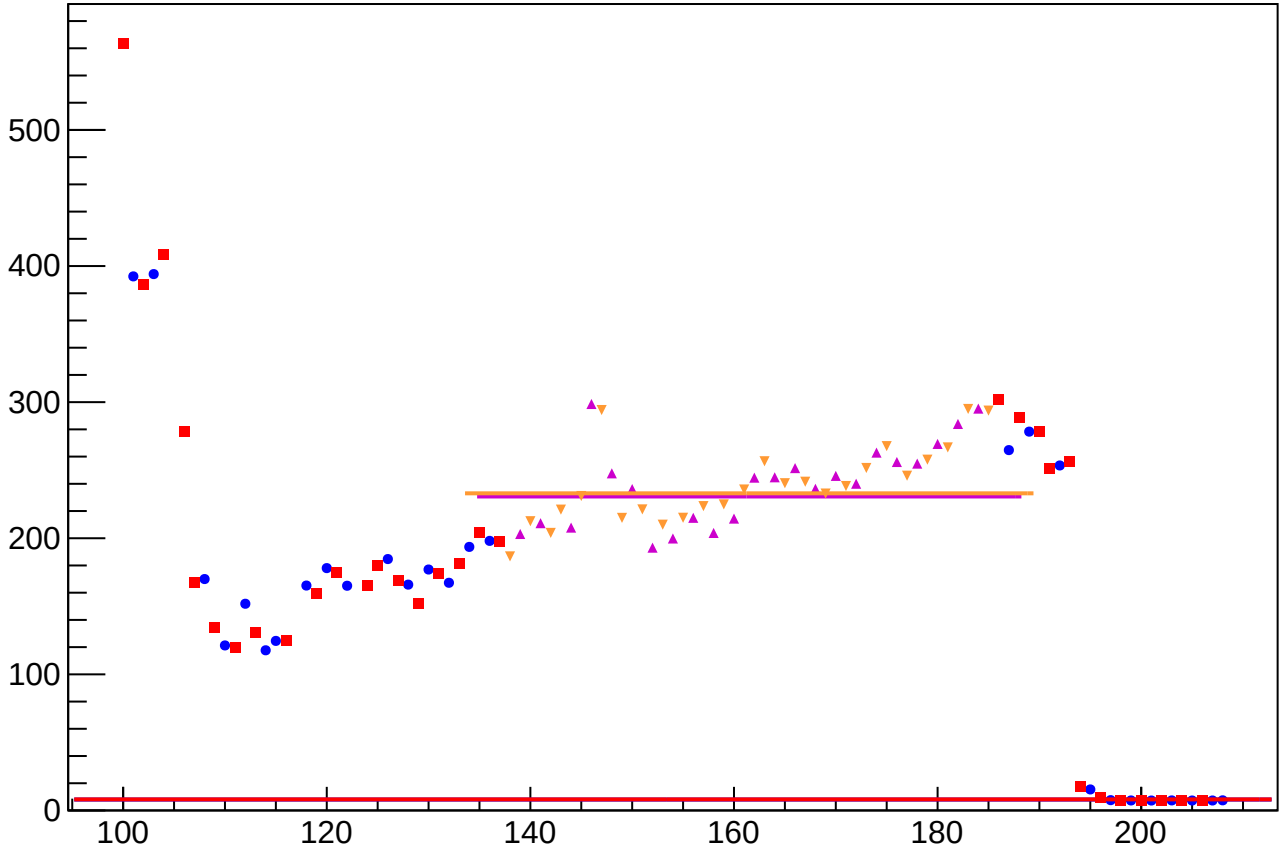
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign -2030.893+/-0.003 χ^2/NDF: 1232383175758

All: -1937.373+/-0.002 χ^2/NDF: 251794015

- sign -1824.094+/-0.003 χ^2/NDF: 1285336017052

yield_bpm0l09WS_rms vs Slug



Right In: 8.002+/-0.002 χ^2/NDF: 16280134.7/26

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

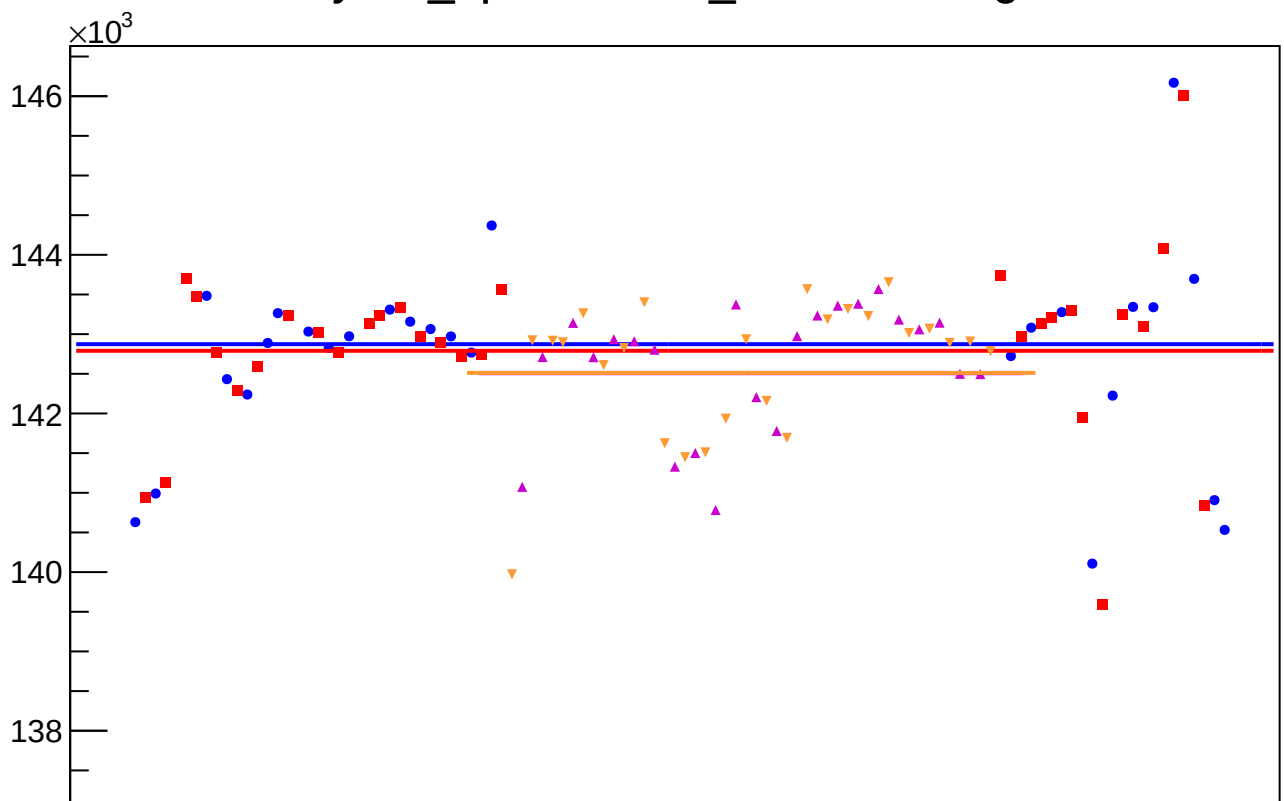
Right Out: 8.126+/-0.002 χ^2/NDF: 18461304.0/30

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 8.686+/-0.002 χ^2/NDF: 51753164.0/51

All: 8.787+/-0.002 χ^2/NDF: 103570457.8/105

- sign 8.911+/-0.002 χ^2/NDF: 51812072.0/53



Right In: 142873.463+/-0.060 χ^2/NDF: 272687436.6/26

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142790.212+/-0.056 χ^2/NDF: 215759565.0/30

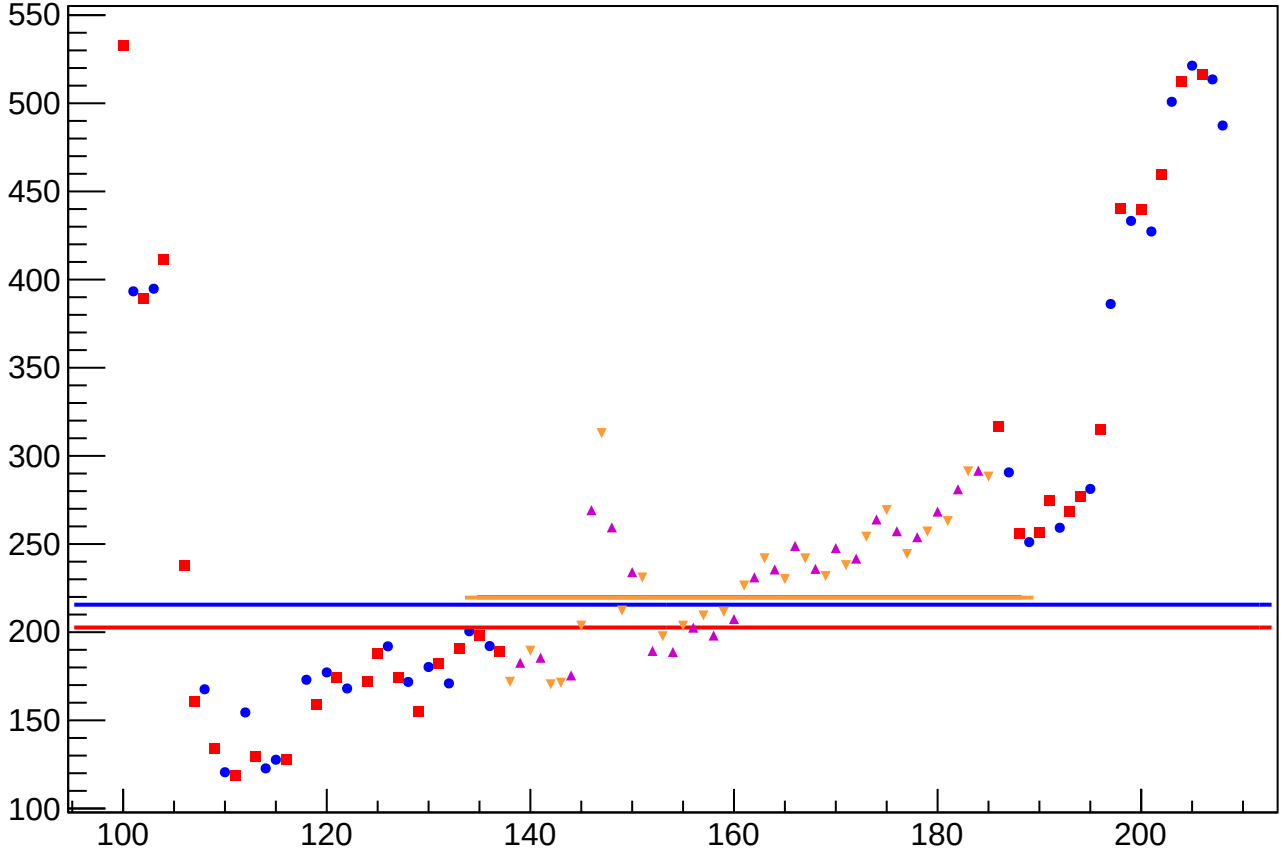
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142661.477+/-0.039 χ^2/NDF: 631751552.4/5

All: 142650.521+/-0.027 χ^2/NDF: 11305691

- sign 142639.980+/-0.038 χ^2/NDF: 498662301.6/5

yield_bpm0l10WS_rms vs Slug



Right In: 215.598+/-0.043 χ^2/NDF: 5385579.5/26

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

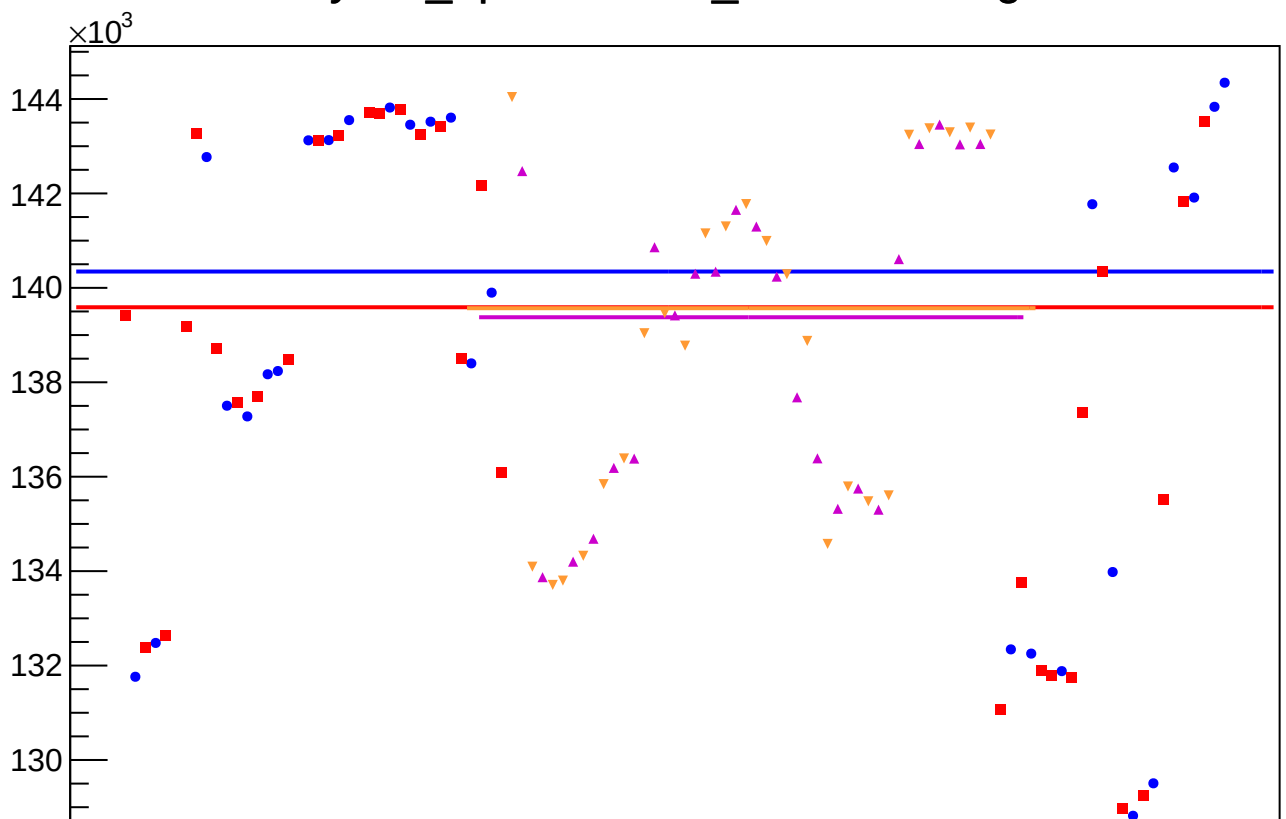
Right Out: 202.654+/-0.039 χ^2/NDF: 5617700.5/30

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 217.952+/-0.028 χ^2/NDF: 6292776.4/51

All: 214.804+/-0.019 χ^2/NDF: 12842085.9/10

- sign 211.775+/-0.027 χ^2/NDF: 6523669.5/53



Right In: 140345.606+/-0.085 χ^2/NDF: 2639487864.1/26

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139589.054+/-0.084 χ^2/NDF: 2763103015.2/30

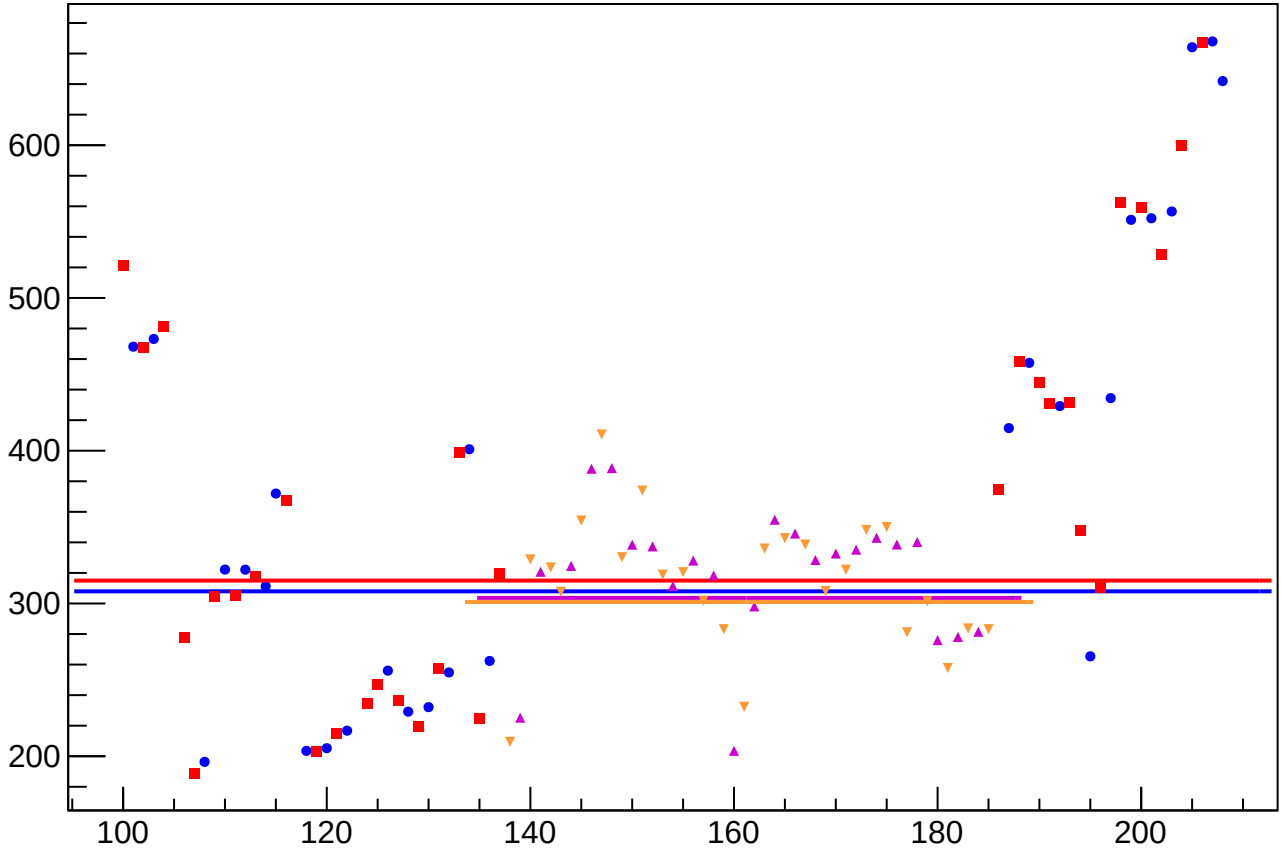
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139881.625+/-0.054 χ^2/NDF: 5275694029.3

All: 139678.891+/-0.039 χ^2/NDF: 99924573

- sign 139467.996+/-0.055 χ^2/NDF: 4688130552.2/

yield_bpm0r03WS_rms vs Slug



Right In: 307.955+/-0.060 χ^2/NDF: 4422918.5/26

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

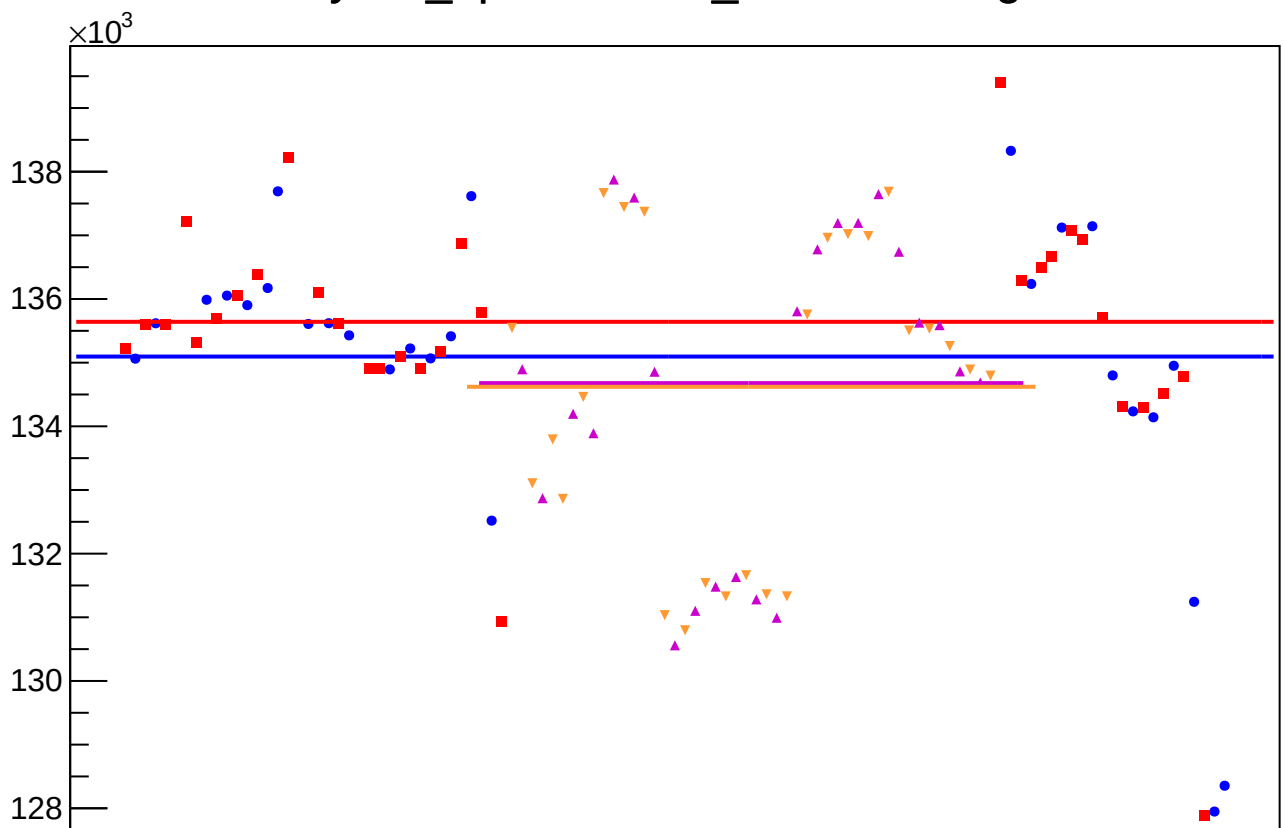
Right Out: 314.999+/-0.060 χ^2/NDF: 3894849.9/30

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 303.780+/-0.038 χ^2/NDF: 5307837.4/51

All: 306.097+/-0.027 χ^2/NDF: 10207081.6/10

- sign 308.507+/-0.039 χ^2/NDF: 4891765.1/53



Right In: 135095.934+/-0.080 χ^2/NDF: 675373631.8/26

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135641.615+/-0.073 χ^2/NDF: 539200621.9/30

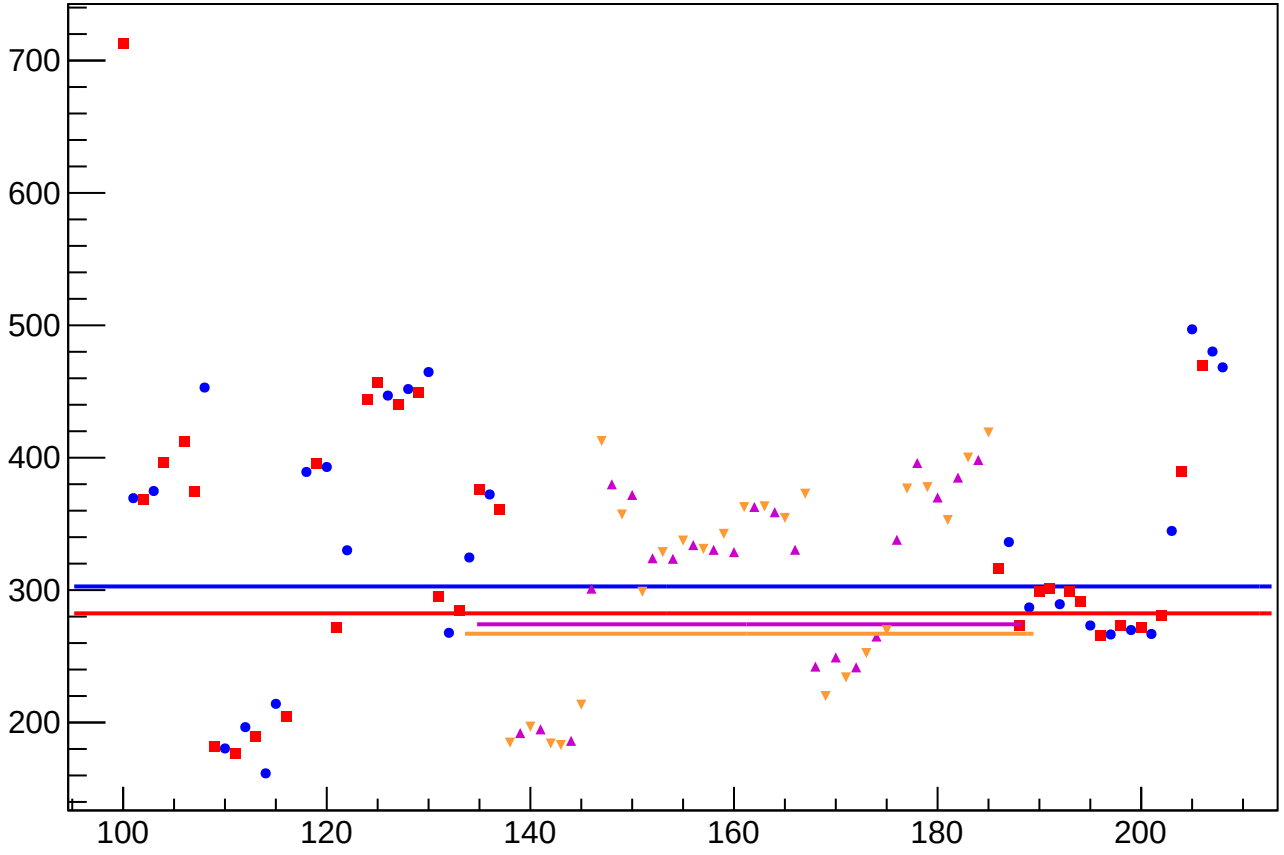
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134805.270+/-0.050 χ^2/NDF: 1898411810.9

All: 134962.329+/-0.035 χ^2/NDF: 36478301

- sign 135116.482+/-0.049 χ^2/NDF: 1729757194.2/

yield_bpm0r05WS_rms vs Slug



Right In: 302.769+/-0.057 χ^2/NDF: 2311753.9/26

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

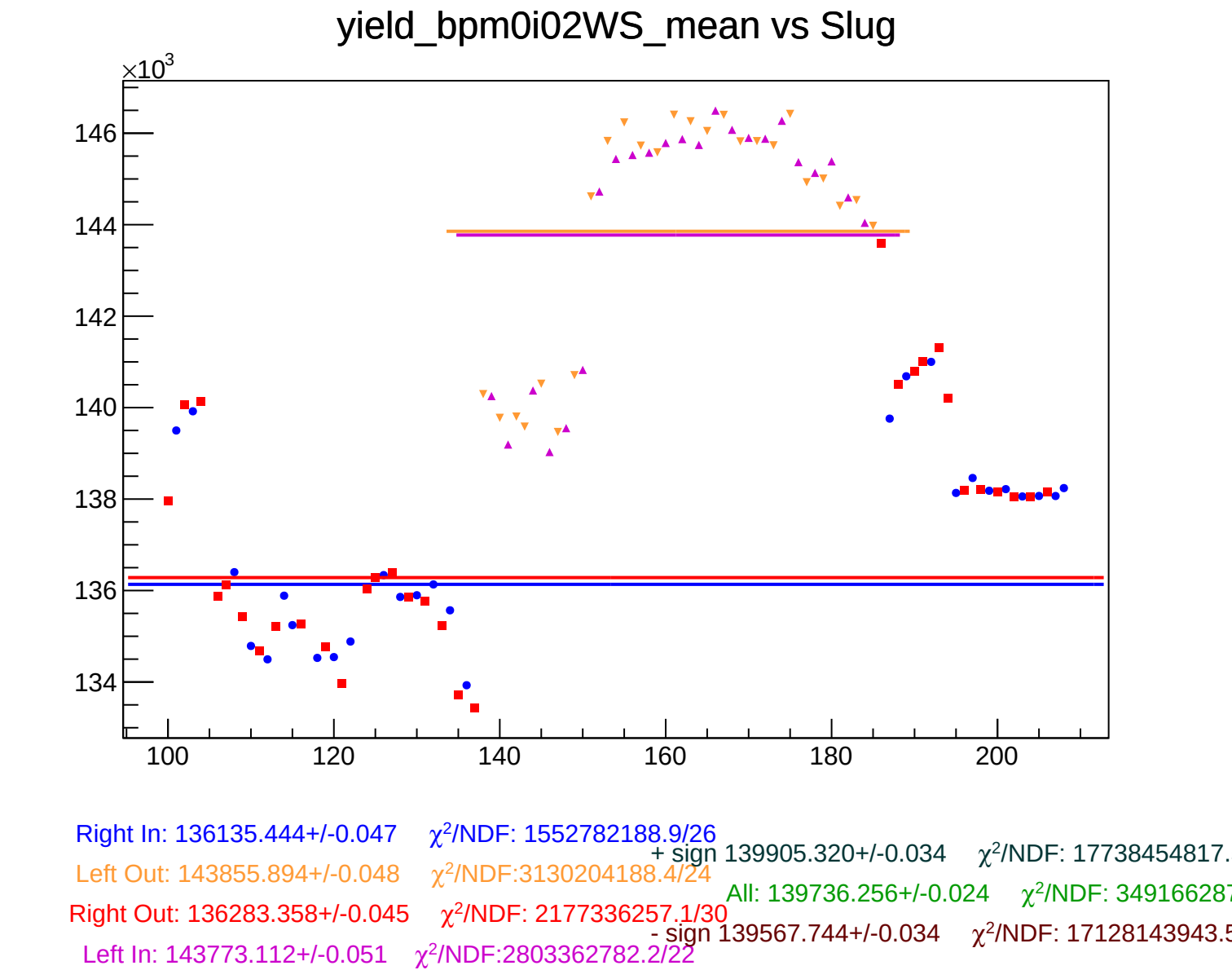
Right Out: 282.433+/-0.052 χ^2/NDF: 2200839.9/30

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

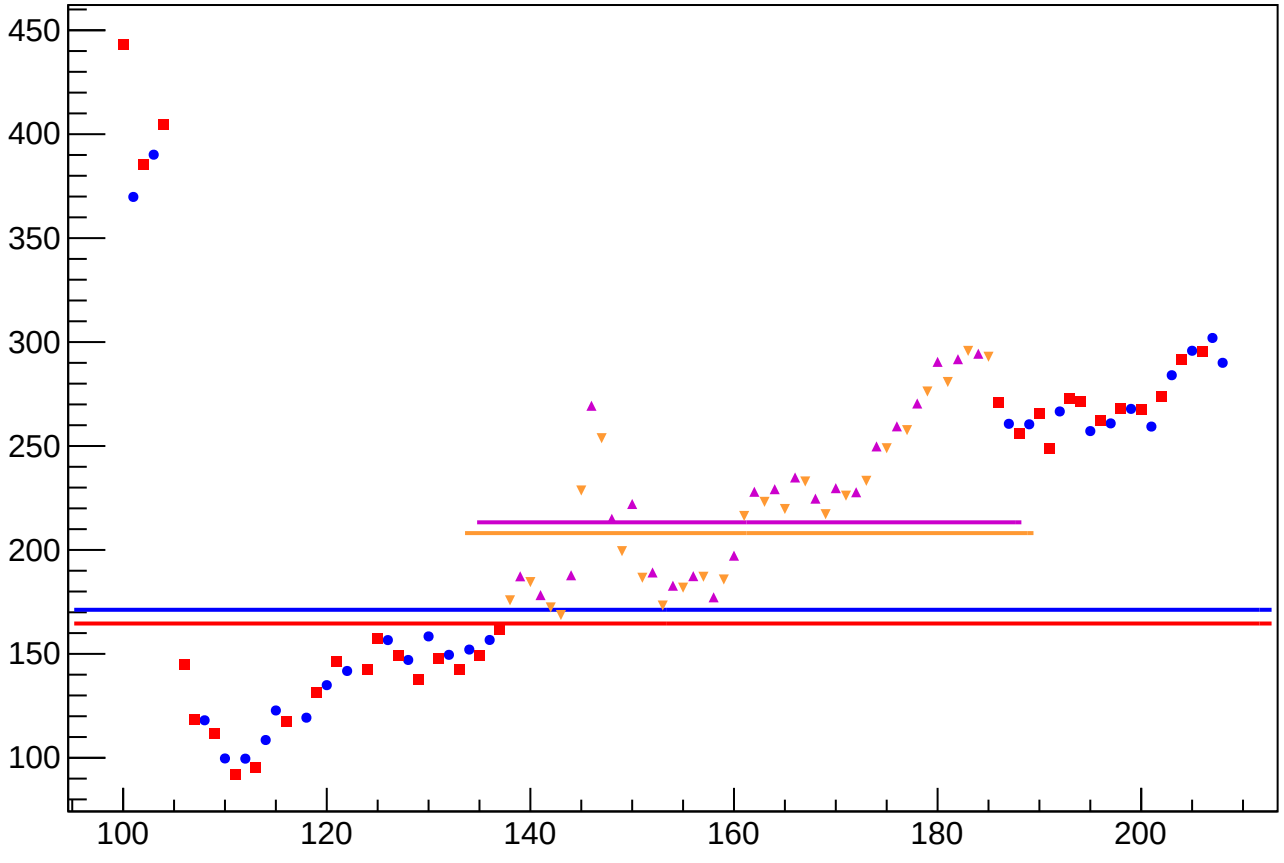
+ sign 280.911+/-0.035 χ^2/NDF: 5398741.5/51

All: 279.407+/-0.025 χ^2/NDF: 9853792.1/105

- sign 277.931+/-0.035 χ^2/NDF: 4451446.0/53


yield_bpm0i02WS_mean vs Slug
×10^3
146
144
142
140
138
136
134
100
120
140
160
180
200
Right In: 136135.444+/-0.047 χ²/NDF: 1552782188.9/26
Left Out: 143855.894+/-0.048 χ²/NDF:3130204188.4/24
Right Out: 136283.358+/-0.045 χ²/NDF: 2177336257.1/30
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
+ sign 139905.320+/-0.034 χ²/NDF: 17738454817.
All: 139736.256+/-0.024 χ²/NDF: 34916628
- sign 139567.744+/-0.034 χ²/NDF: 17128143943.5

yield_bpm0i02WS_rms vs Slug



Right In: 171.212+/-0.033 χ^2/NDF: 4627495.2/26

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

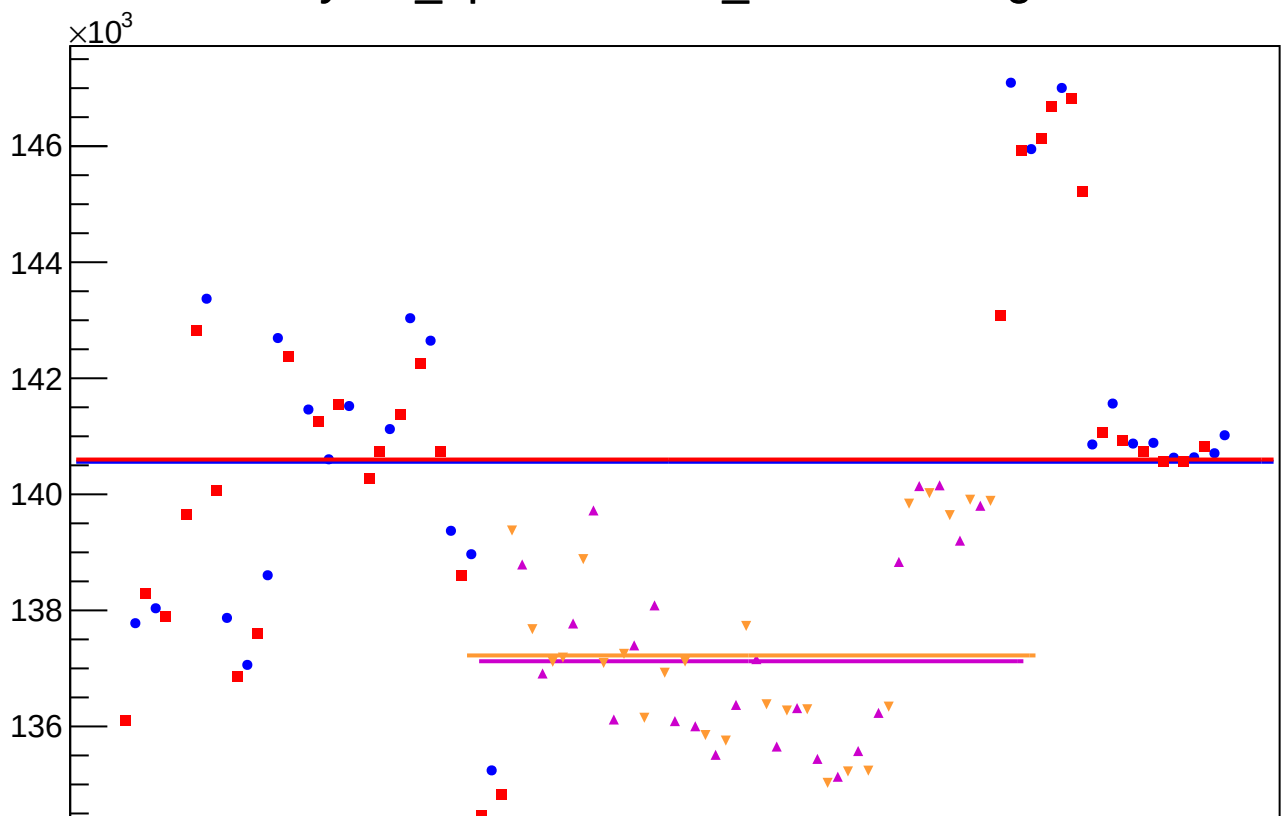
Right Out: 164.608+/-0.032 χ^2/NDF: 5181099.5/30

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 189.224+/-0.024 χ^2/NDF: 6216612.5/51

All: 187.587+/-0.017 χ^2/NDF: 13298913.4/10

- sign 185.955+/-0.024 χ^2/NDF: 7072916.6/53



Right In: 140561.184+/-0.053 χ^2/NDF: 2809558599.1/26

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140599.867+/-0.051 χ^2/NDF: 3239694280.7/30

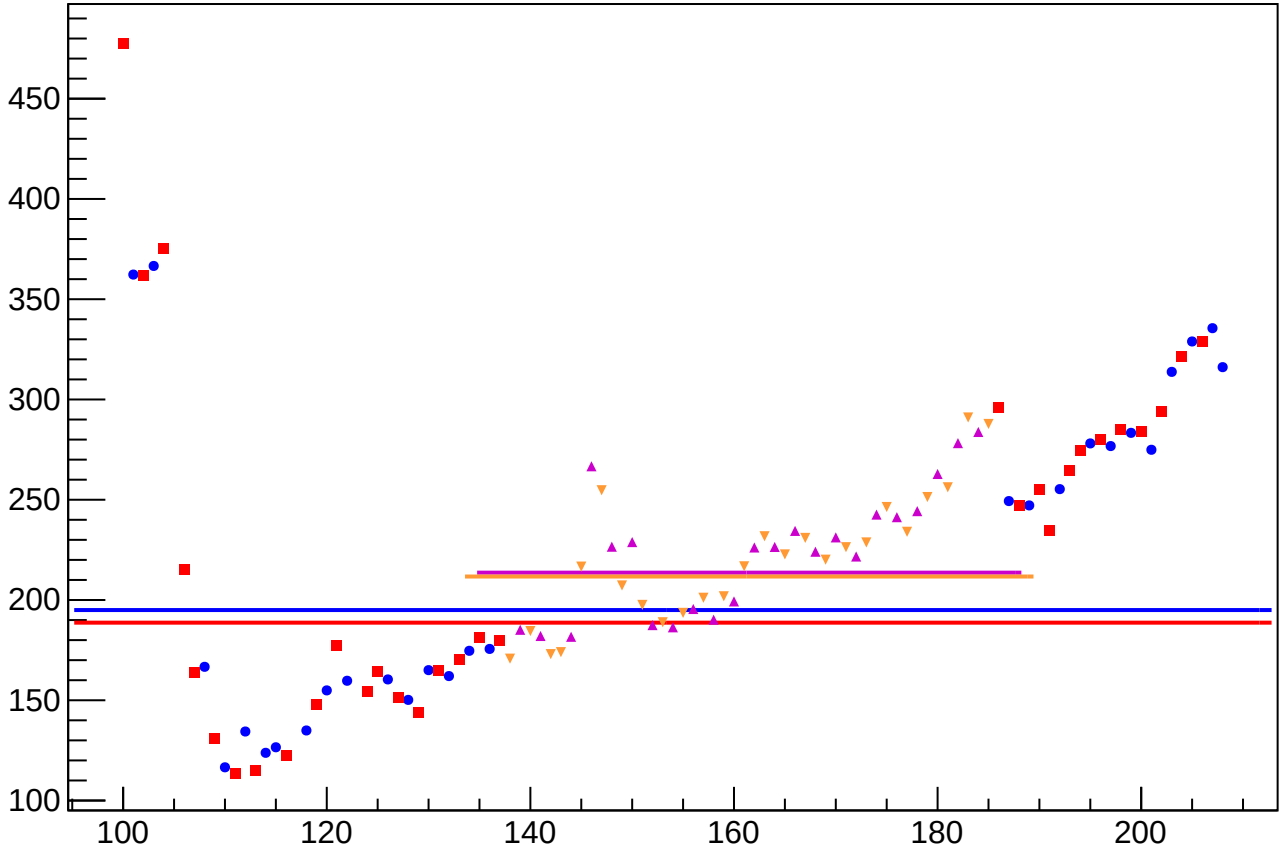
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138769.726+/-0.036 χ^2/NDF: 5849140272.5

All: 138822.731+/-0.025 χ^2/NDF: 12303897

- sign 138875.500+/-0.036 χ^2/NDF: 6450414850.3/

yield_bpm0i02aWS_rms vs Slug



Right In: 194.990+/-0.037 χ^2/NDF: 3593494.2/26

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

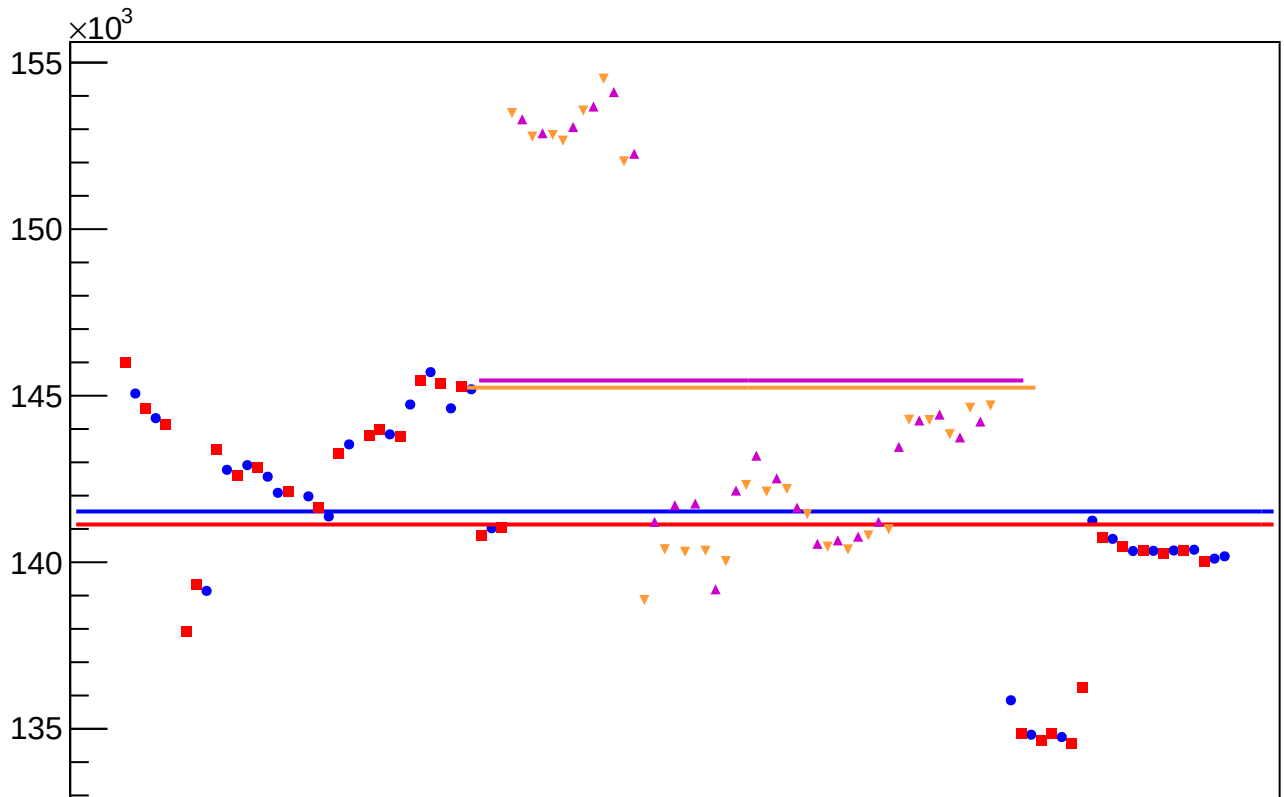
Right Out: 188.701+/-0.036 χ^2/NDF: 4003487.1/30

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 203.966+/-0.025 χ^2/NDF: 4376802.3/51

All: 202.516+/-0.018 χ^2/NDF: 9250026.7/105

- sign 201.072+/-0.025 χ^2/NDF: 4866722.3/53



Right In: 141524.511+/-0.053 χ^2/NDF: 2801429304.0/26

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141134.029+/-0.050 χ^2/NDF: 4409073645.4/30

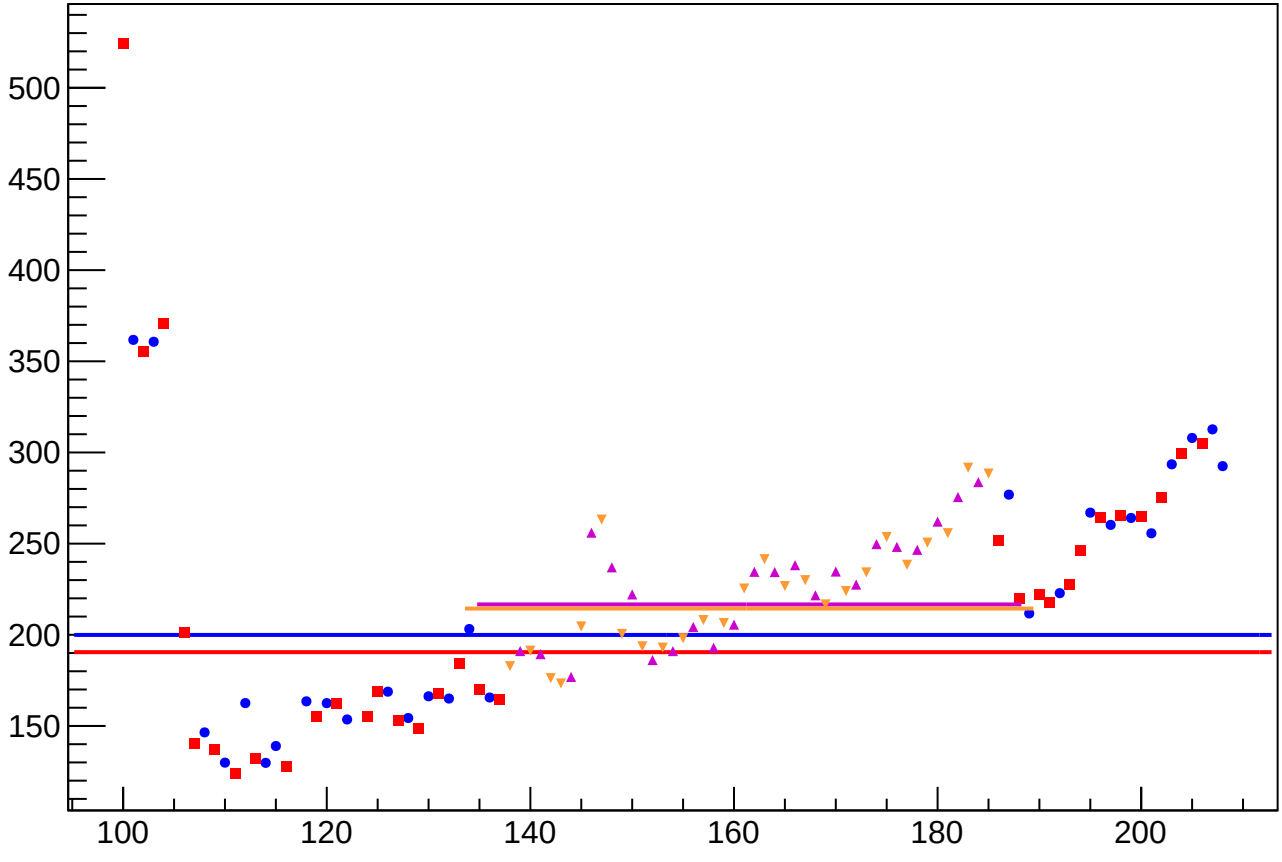
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143512.688+/-0.036 χ^2/NDF: 18446081084.

All: 143369.825+/-0.026 χ^2/NDF: 37577028

- sign 143229.873+/-0.036 χ^2/NDF: 19100262912.7

yield_bpm0i05WS_rms vs Slug



Right In: 199.929+/-0.038 χ^2/NDF: 2600629.5/26

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

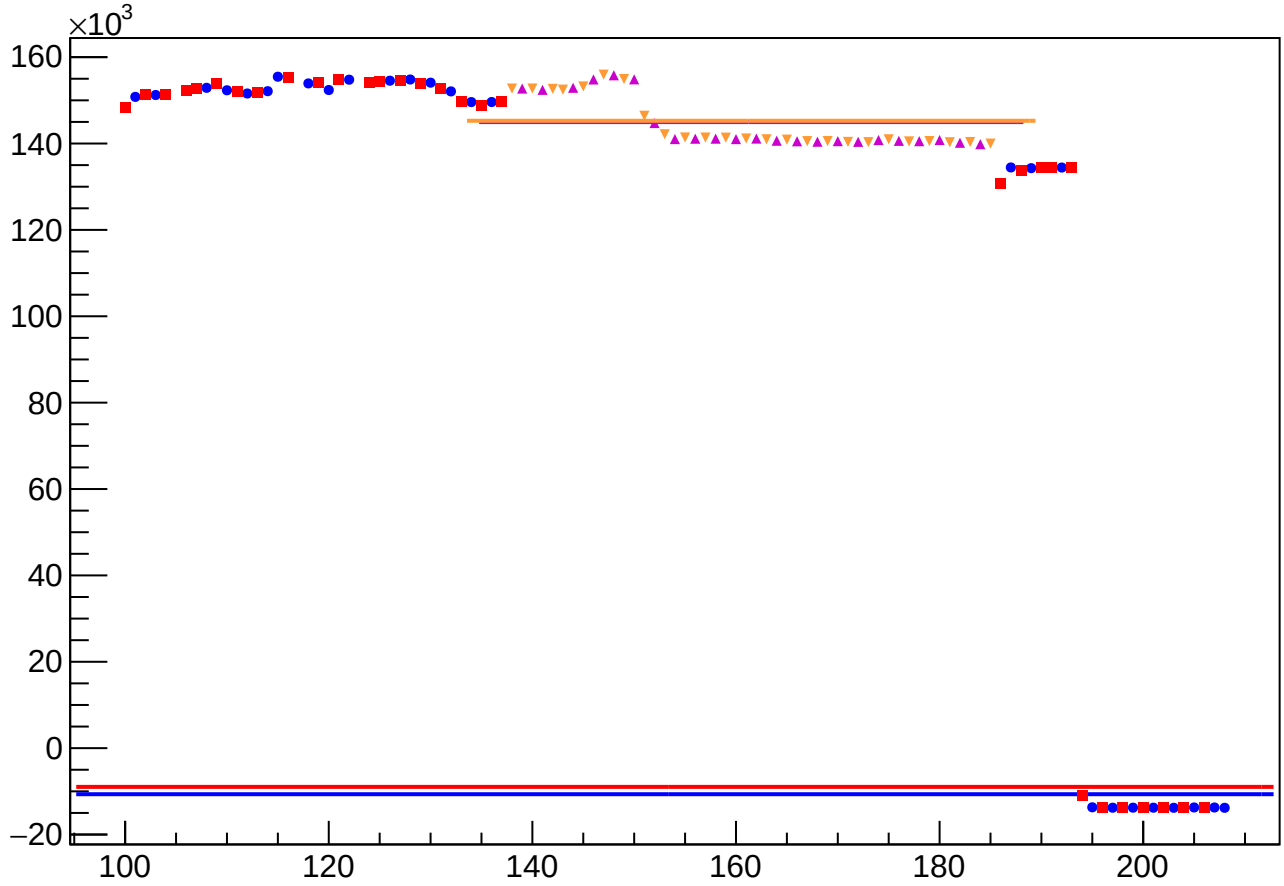
Right Out: 190.481+/-0.035 χ^2/NDF: 2897000.3/30

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 207.663+/-0.026 χ^2/NDF: 3323049.6/51

All: 205.394+/-0.018 χ^2/NDF: 7087982.9/105

- sign 203.171+/-0.025 χ^2/NDF: 3749452.7/53



Right In: -10663.809+/-0.009 χ^2/NDF: 5870421332627.6/26

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -8965.225+/-0.010 χ^2/NDF: 7105444131591.2/30

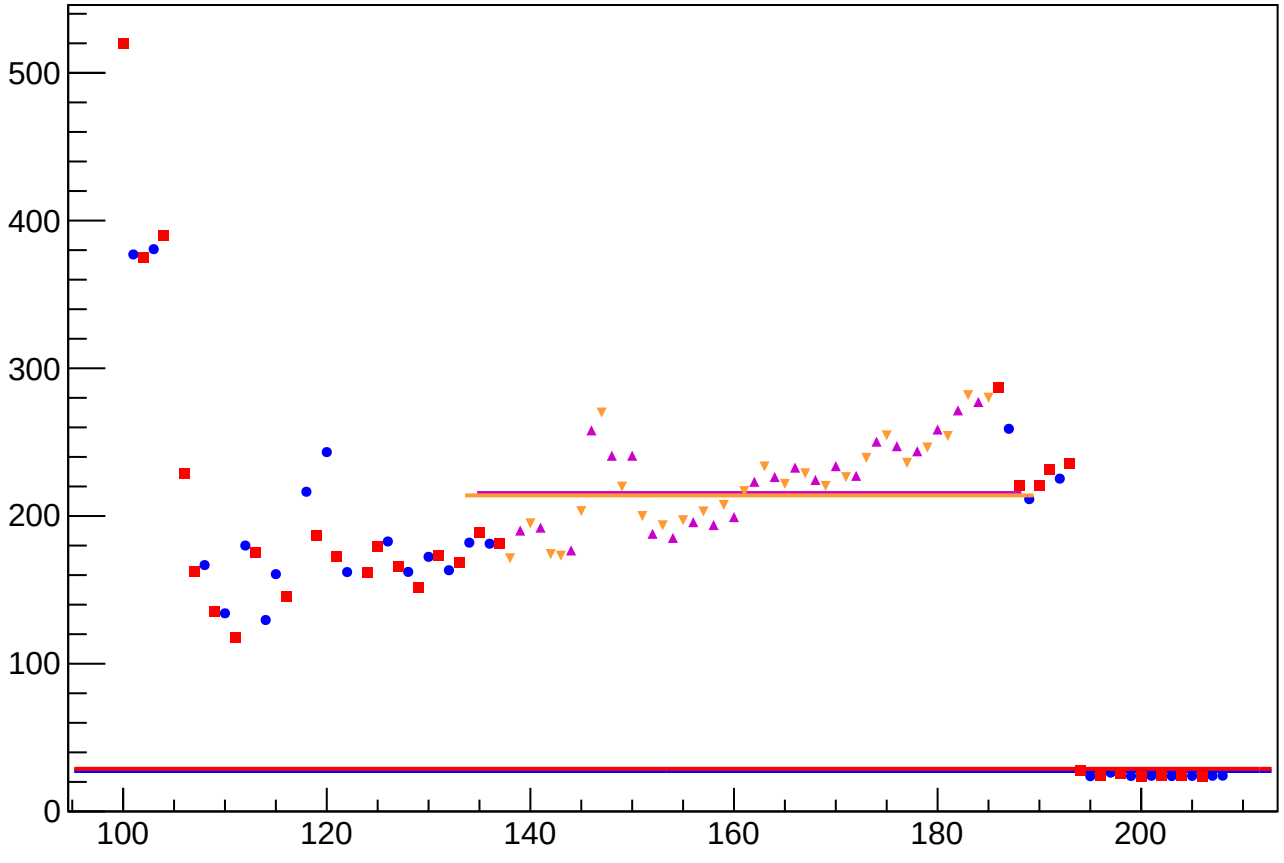
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -5414.696+/-0.009 χ^2/NDF: 1551739641716

All: -4389.268+/-0.007 χ^2/NDF: 3136040070

- sign -3152.862+/-0.010 χ^2/NDF: 15814756464152

yield_bpm0i07WS_rms vs Slug



Right In: 27.396+/-0.007 χ^2/NDF: 12665304.6/26

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

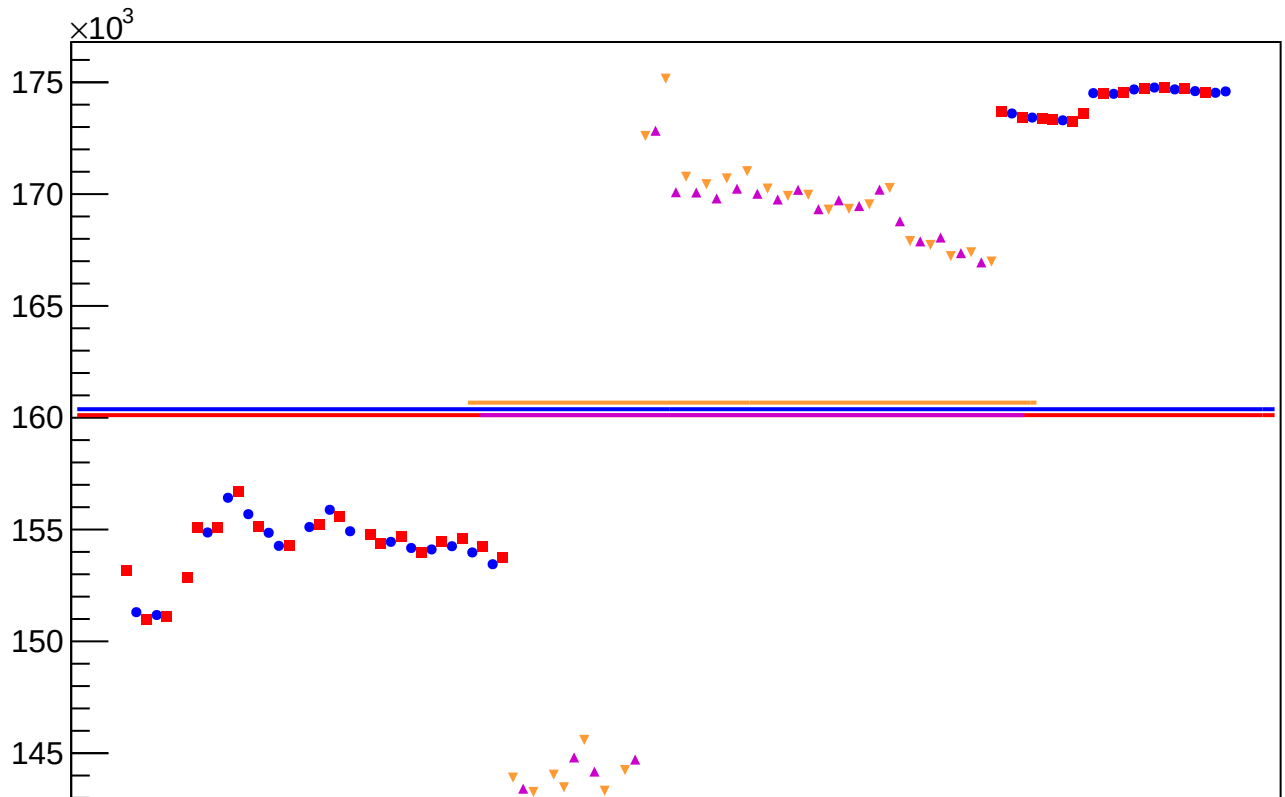
Right Out: 28.861+/-0.007 χ^2/NDF: 14370701.6/30

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 33.676+/-0.006 χ^2/NDF: 40892246.1/51

All: 34.689+/-0.005 χ^2/NDF: 81497727.4/105

- sign 35.910+/-0.007 χ^2/NDF: 40550382.3/53



Right In: 160381.101+/-0.055 χ^2/NDF: 26340914891.3/26

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 160116.035+/-0.052 χ^2/NDF: 27881264448.9/30

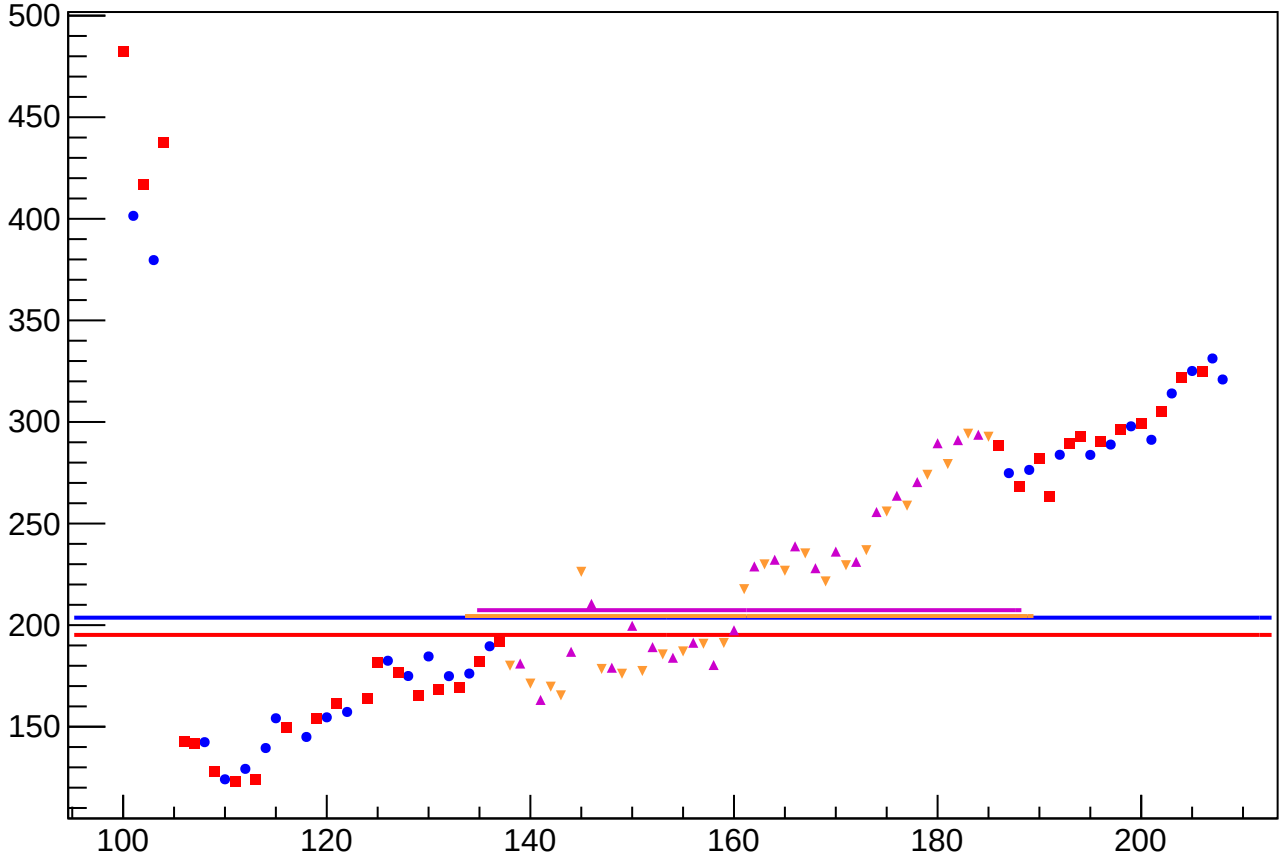
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 160549.676+/-0.036 χ^2/NDF: 10051241257

All: 160332.641+/-0.025 χ^2/NDF: 1950197

- sign 160116.784+/-0.036 χ^2/NDF: 94434456596.

yield_bpm1i02WS_rms vs Slug



Right In: 203.677+/-0.039 χ^2/NDF: 3590447.8/26

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

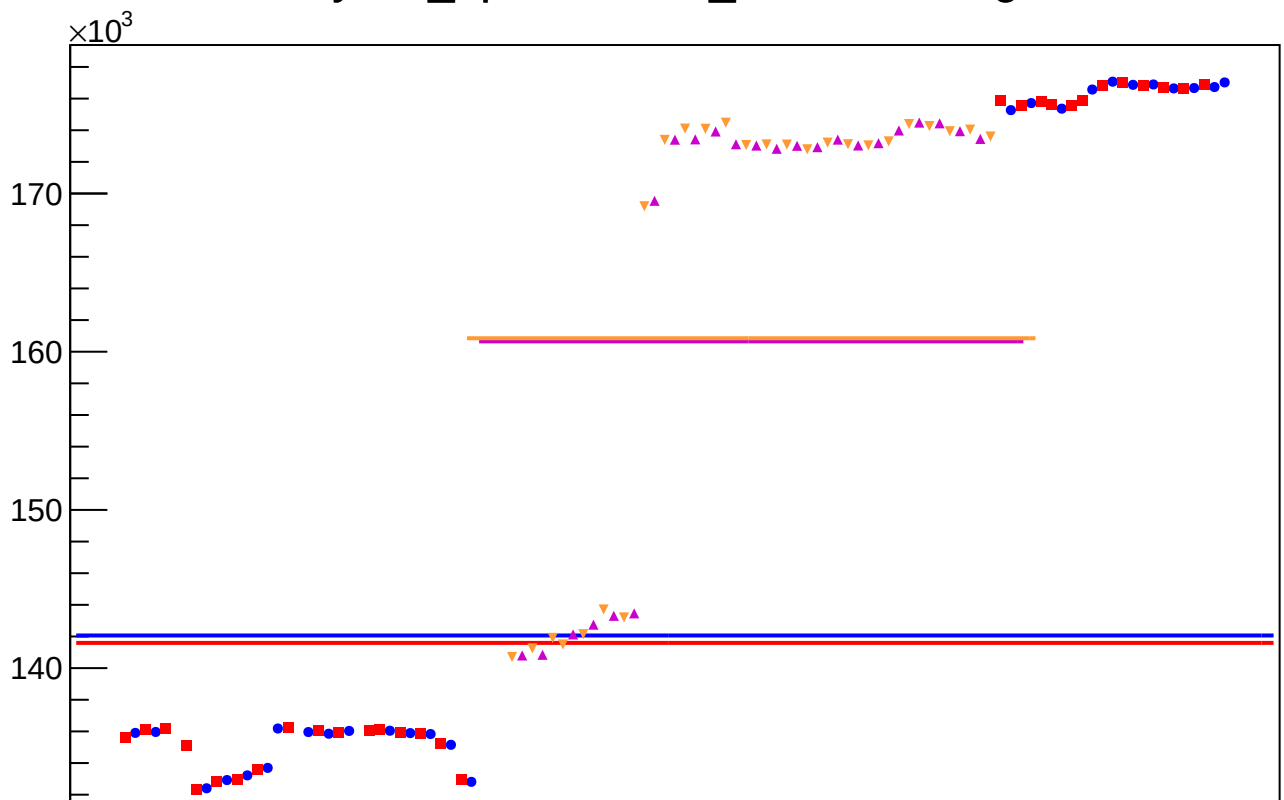
Right Out: 195.188+/-0.037 χ^2/NDF: 4111836.8/30

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 204.136+/-0.025 χ^2/NDF: 4663889.0/51

All: 202.858+/-0.018 χ^2/NDF: 9795135.0/105

- sign 201.587+/-0.025 χ^2/NDF: 5126194.1/53



Right In: 142063.302+/-0.046 χ^2/NDF: 128517631506.0/26

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 141594.500+/-0.044 χ^2/NDF: 136710314517.2/30

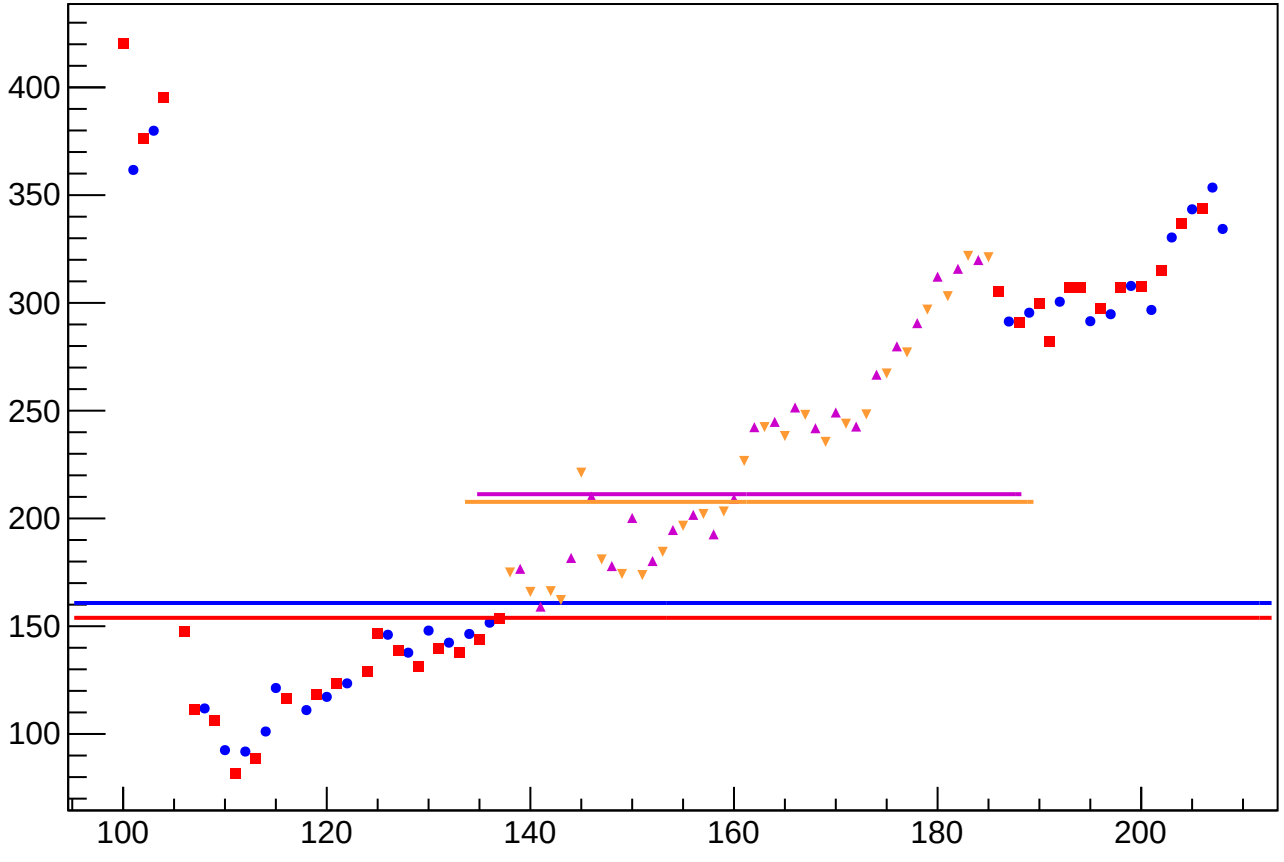
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 150954.233+/-0.033 χ^2/NDF: 306998551438

All: 150324.358+/-0.023 χ^2/NDF: 616046503

- sign 149705.834+/-0.033 χ^2/NDF: 308339489978

yield_bpm1i04WS_rms vs Slug



Right In: 160.780+/-0.032 χ^2/NDF: 6477071.4/26

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

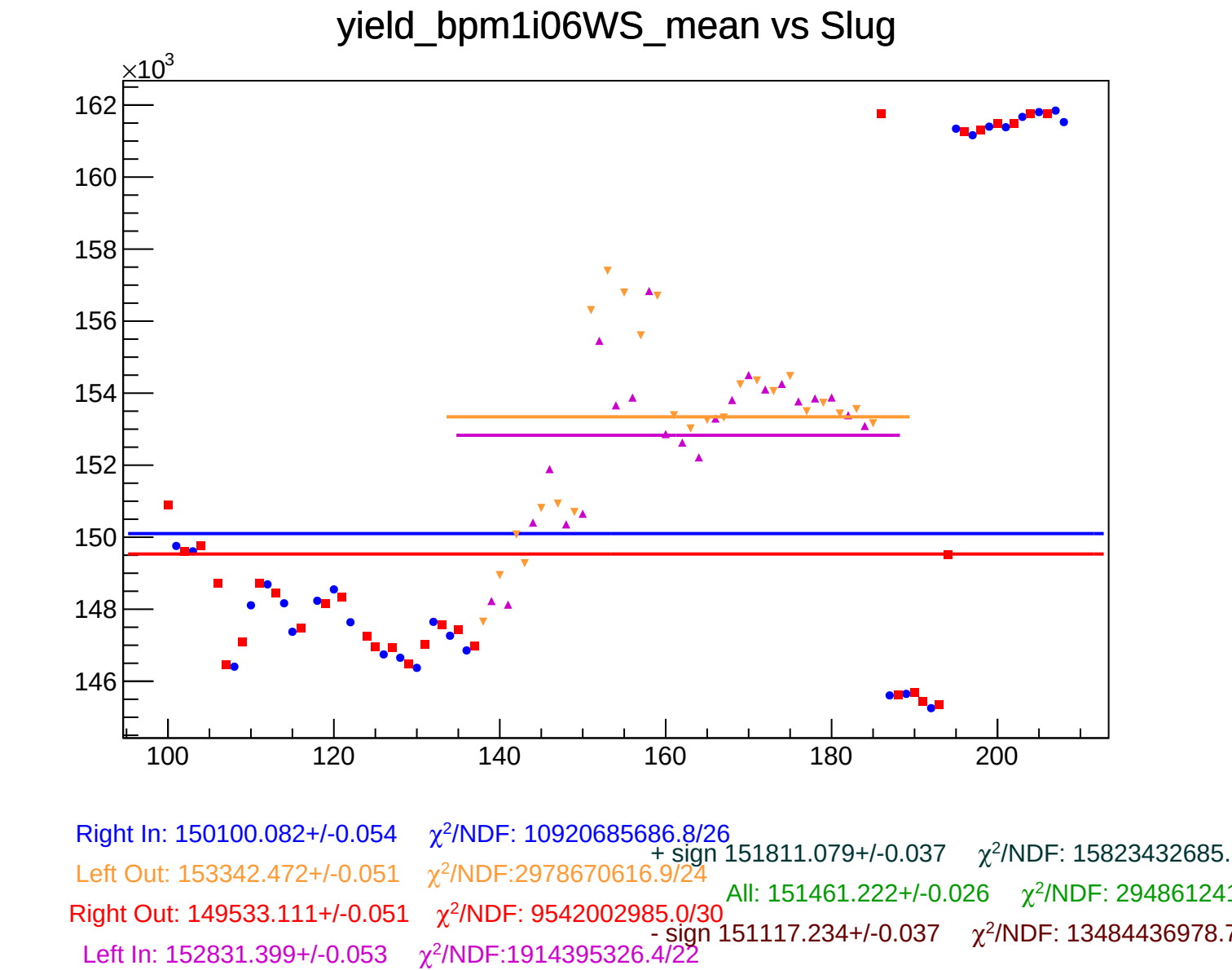
Right Out: 153.893+/-0.031 χ^2/NDF: 7126180.0/30

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

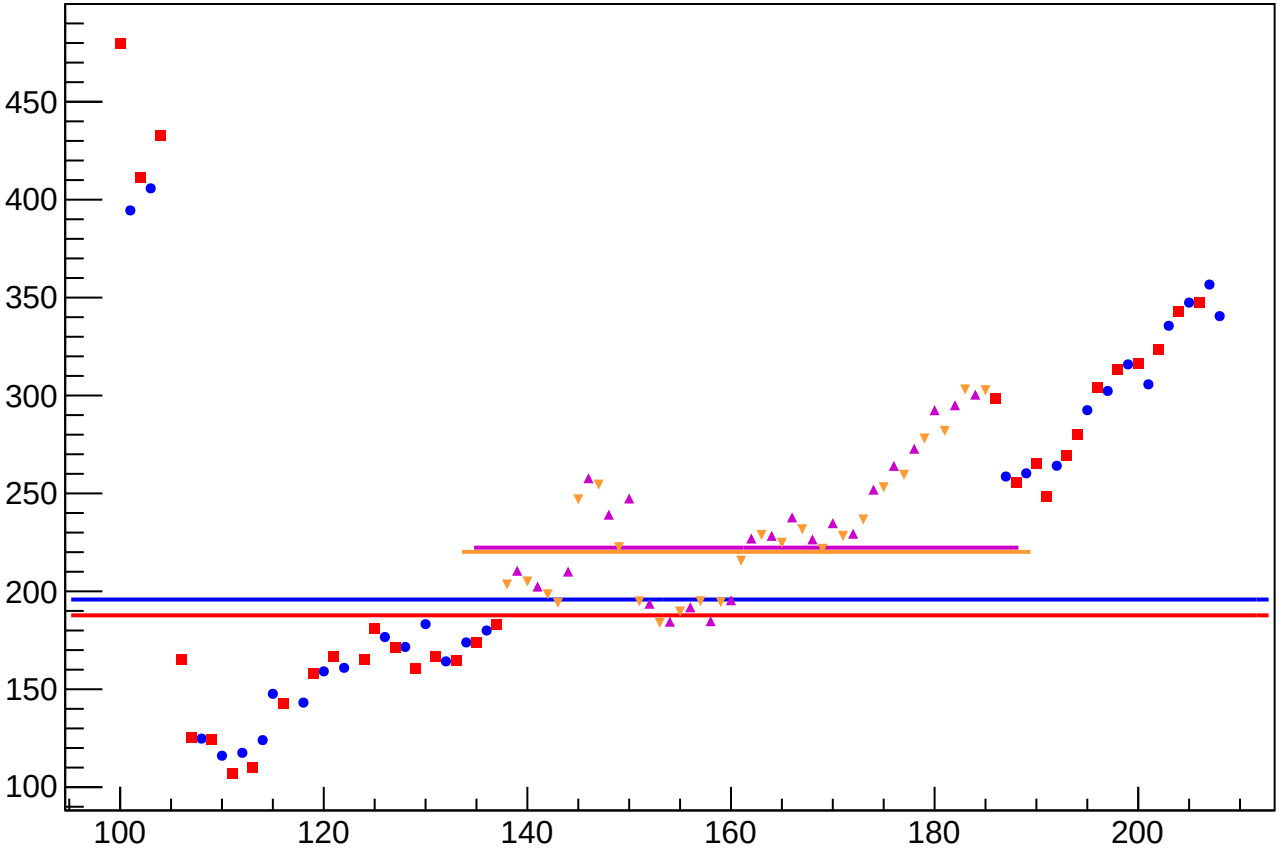
+ sign 182.979+/-0.024 χ^2/NDF: 8966206.3/51

All: 180.620+/-0.017 χ^2/NDF: 18893989.8/10

- sign 178.305+/-0.023 χ^2/NDF: 9907918.7/53


yield_bpm1i06WS_mean vs Slug
×10^3
162
160
158
156
154
152
150
148
146
100
120
140
160
180
200
Right In: 150100.082+/-0.054 χ²/NDF: 10920685686.8/26
Left Out: 153342.472+/-0.051 χ²/NDF:2978670616.9/24
Right Out: 149533.111+/-0.051 χ²/NDF: 9542002985.0/30
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
+ sign 151811.079+/-0.037 χ²/NDF: 15823432685.
All: 151461.222+/-0.026 χ²/NDF: 29486124
- sign 151117.234+/-0.037 χ²/NDF: 13484436978.7

yield_bpm1i06WS_rms vs Slug



Right In: 195.821+/-0.038 χ^2/NDF: 4423808.9/26

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

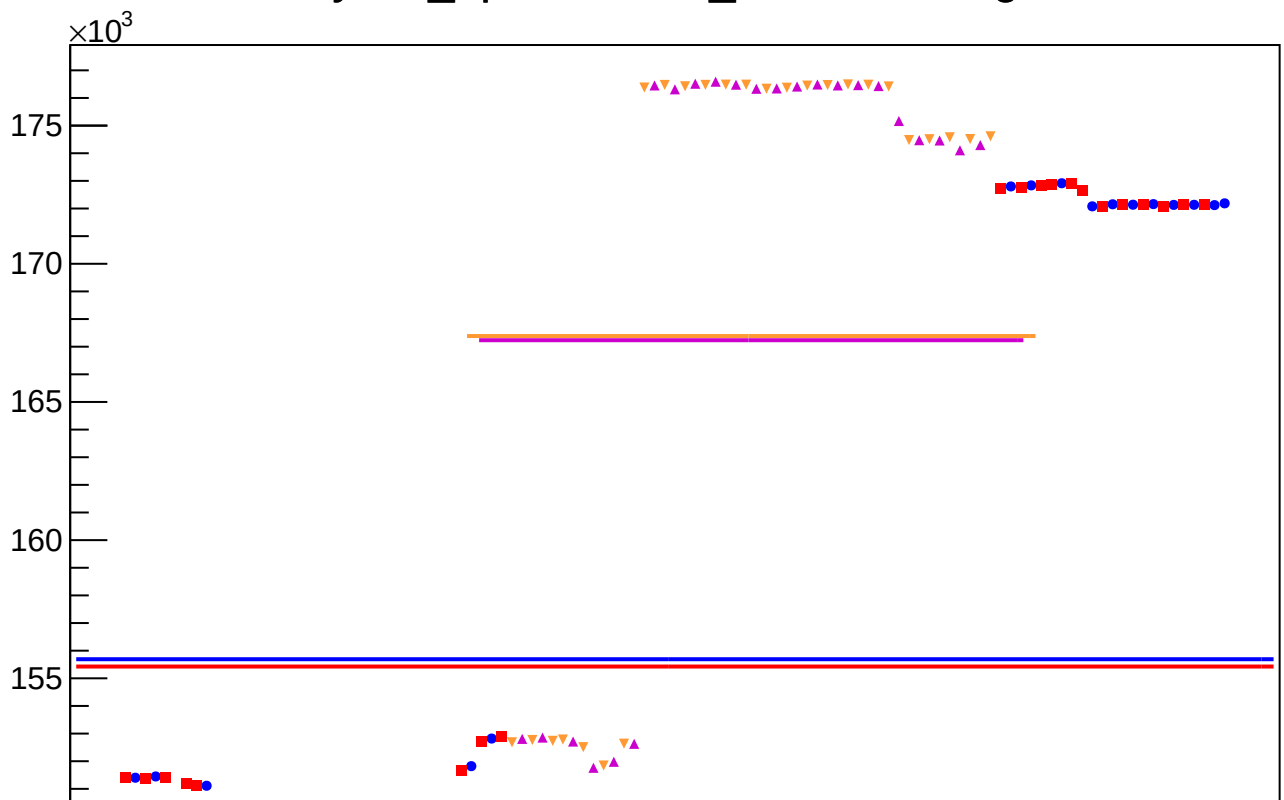
Right Out: 187.741+/-0.036 χ^2/NDF: 4830160.6/30

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 208.662+/-0.026 χ^2/NDF: 5326155.9/51

All: 206.483+/-0.018 χ^2/NDF: 11313170.4/10

- sign 204.341+/-0.026 χ^2/NDF: 5973185.7/53



Right In: 155691.153+/-0.048 χ^2/NDF: 37573162164.0/26

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 155426.313+/-0.045 χ^2/NDF: 41100535494.8/30

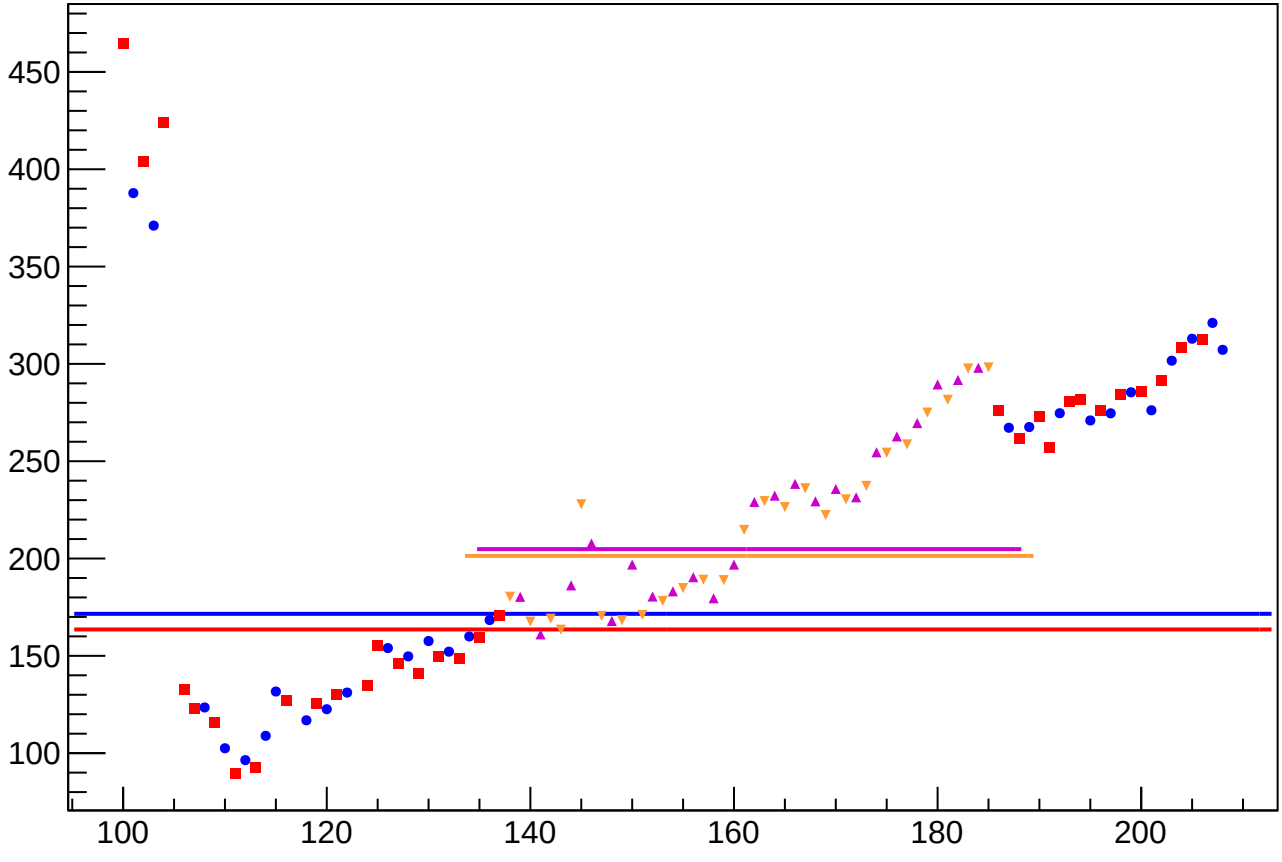
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161663.294+/-0.033 χ^2/NDF: 12781654678

All: 161246.565+/-0.024 χ^2/NDF: 2559503

- sign 160837.607+/-0.033 χ^2/NDF: 12782496856

yield_bpm2i01WS_rms vs Slug



Right In: 171.590+/-0.034 χ^2/NDF: 5107798.6/26

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

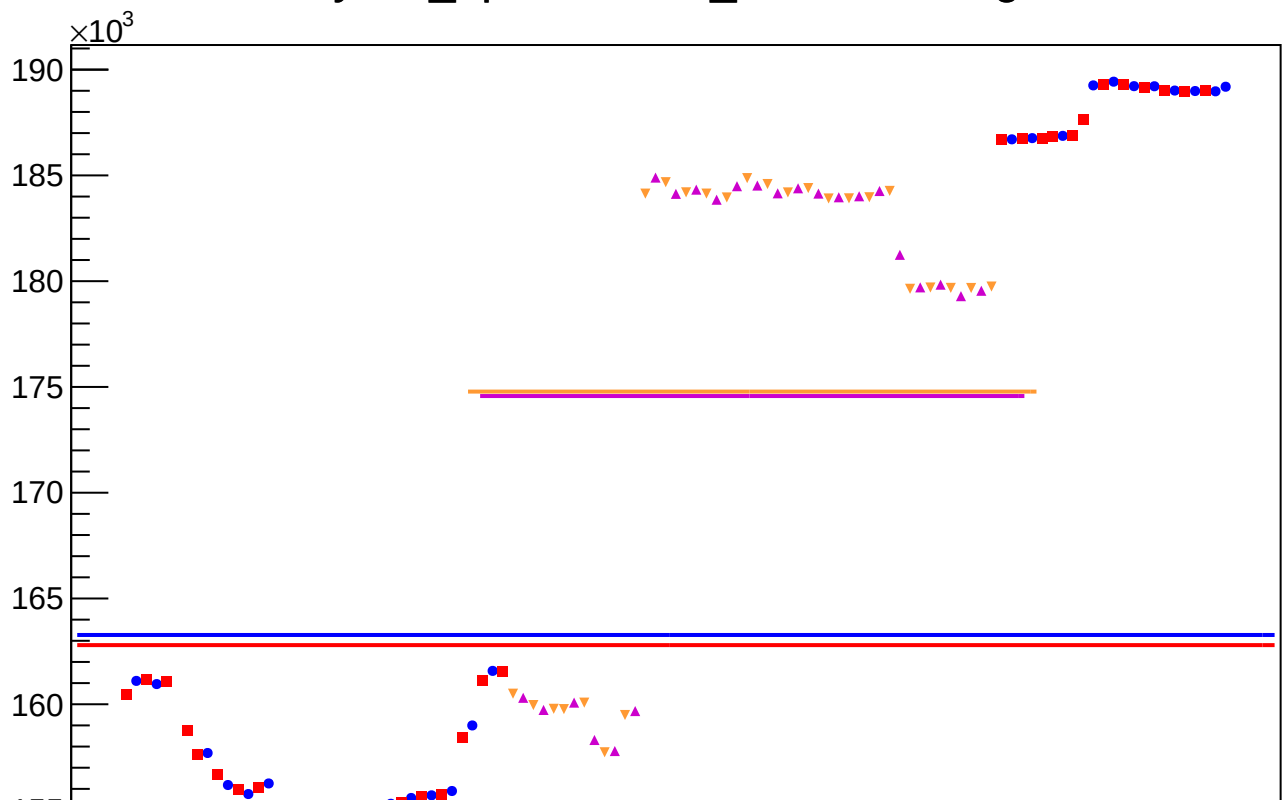
Right Out: 163.554+/-0.032 χ^2/NDF: 5761039.2/30

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 186.777+/-0.024 χ^2/NDF: 6734749.7/51

All: 184.602+/-0.017 χ^2/NDF: 14338442.9/10

- sign 182.468+/-0.023 χ^2/NDF: 7586888.6/53



Right In: 163275.175+/-0.050 χ^2/NDF: 69127472808.5/26

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 162795.750+/-0.048 χ^2/NDF: 72418605275.6/30

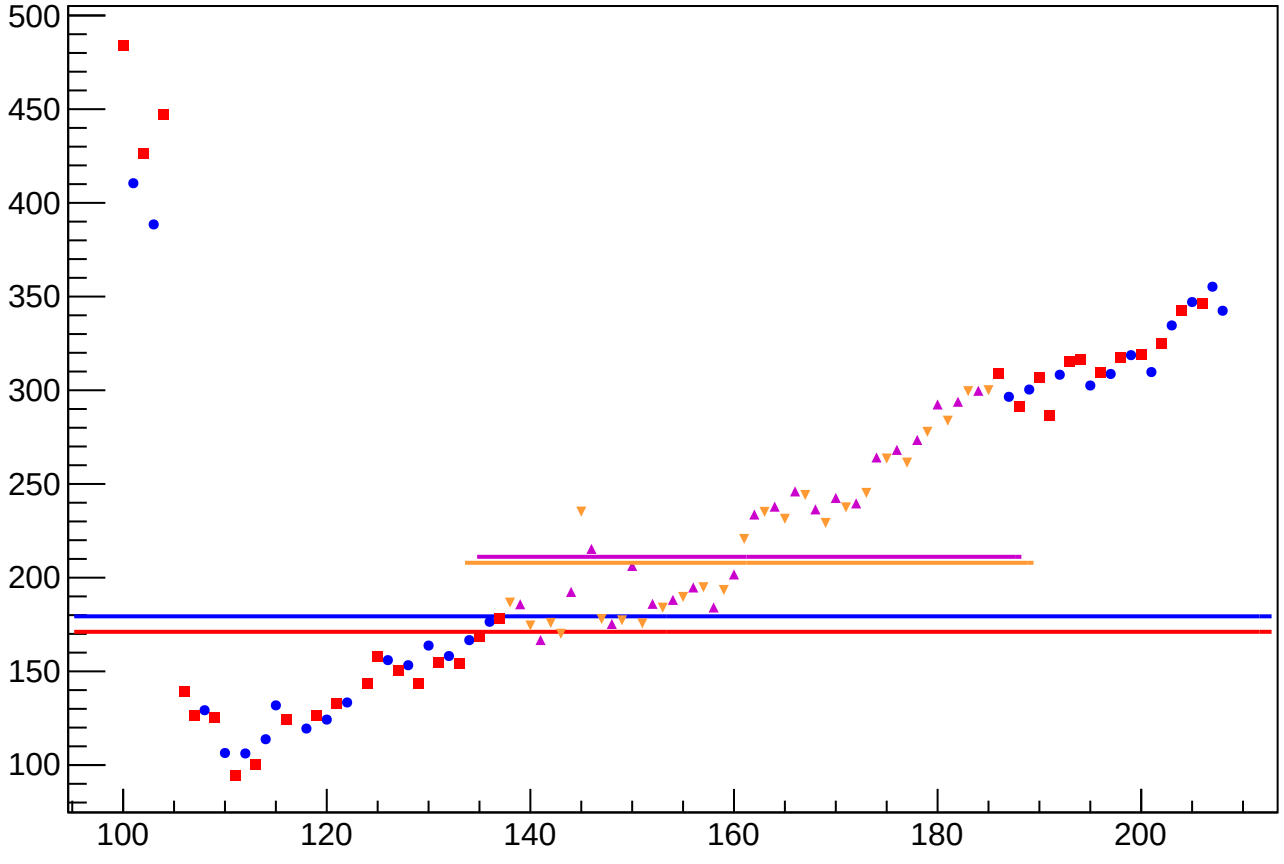
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 169290.431+/-0.035 χ^2/NDF: 15444305672

All: 168813.776+/-0.025 χ^2/NDF: 3109177

- sign 168345.264+/-0.035 χ^2/NDF: 15610384970

yield_bpm2i02WS_rms vs Slug



Right In: 179.368+/-0.036 χ^2/NDF: 5663022.8/26

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 171.110+/-0.034 χ^2/NDF: 6319261.4/30

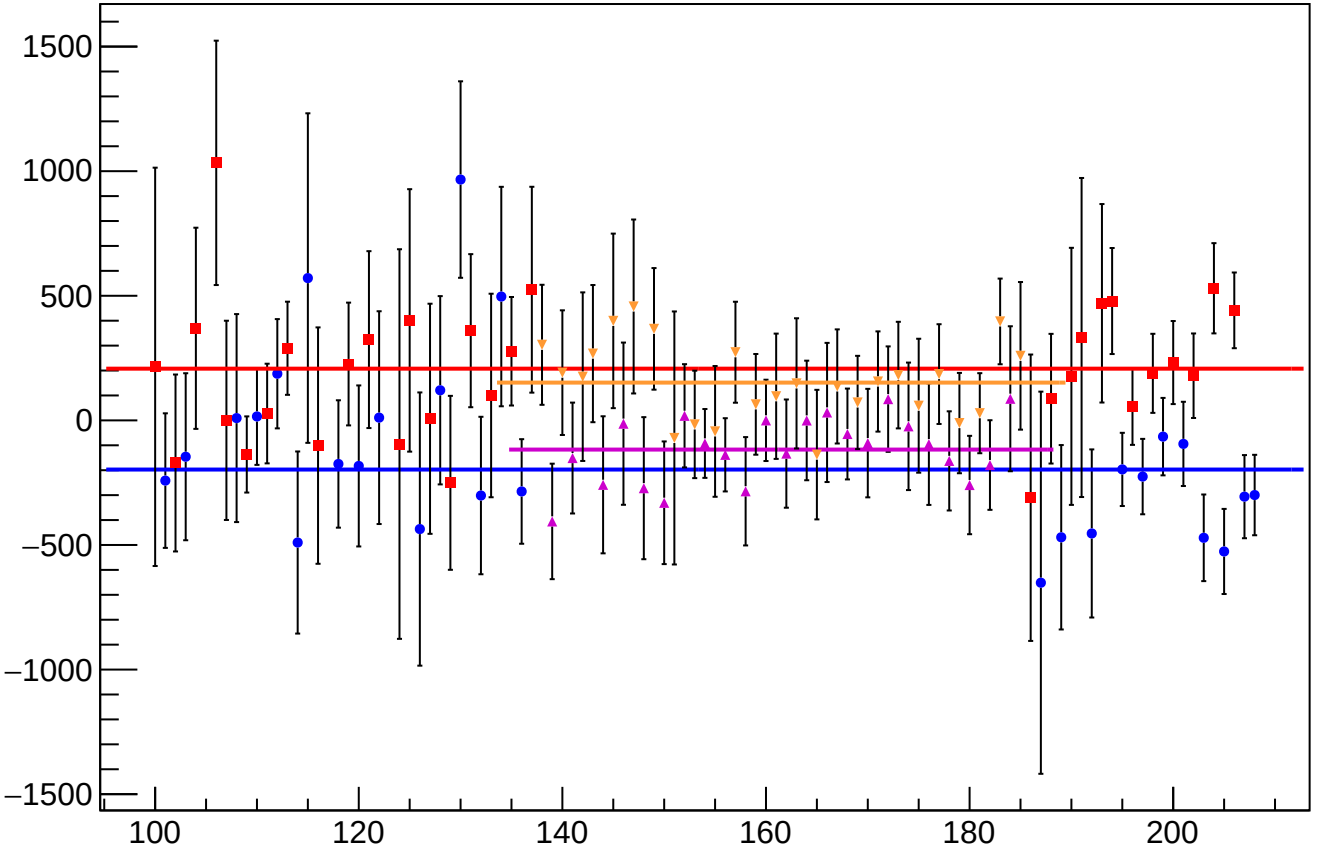
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 194.306+/-0.025 χ^2/NDF: 7130409.3/51

All: 192.121+/-0.017 χ^2/NDF: 15127484.4/10

- sign 189.974+/-0.024 χ^2/NDF: 7981495.6/53

asym_bcm_target_mean vs Slug



Right In: -197.304+/-44.882 χ^2/NDF: 28.8/26

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 207.512+/-45.060 χ^2/NDF: 24.0/30

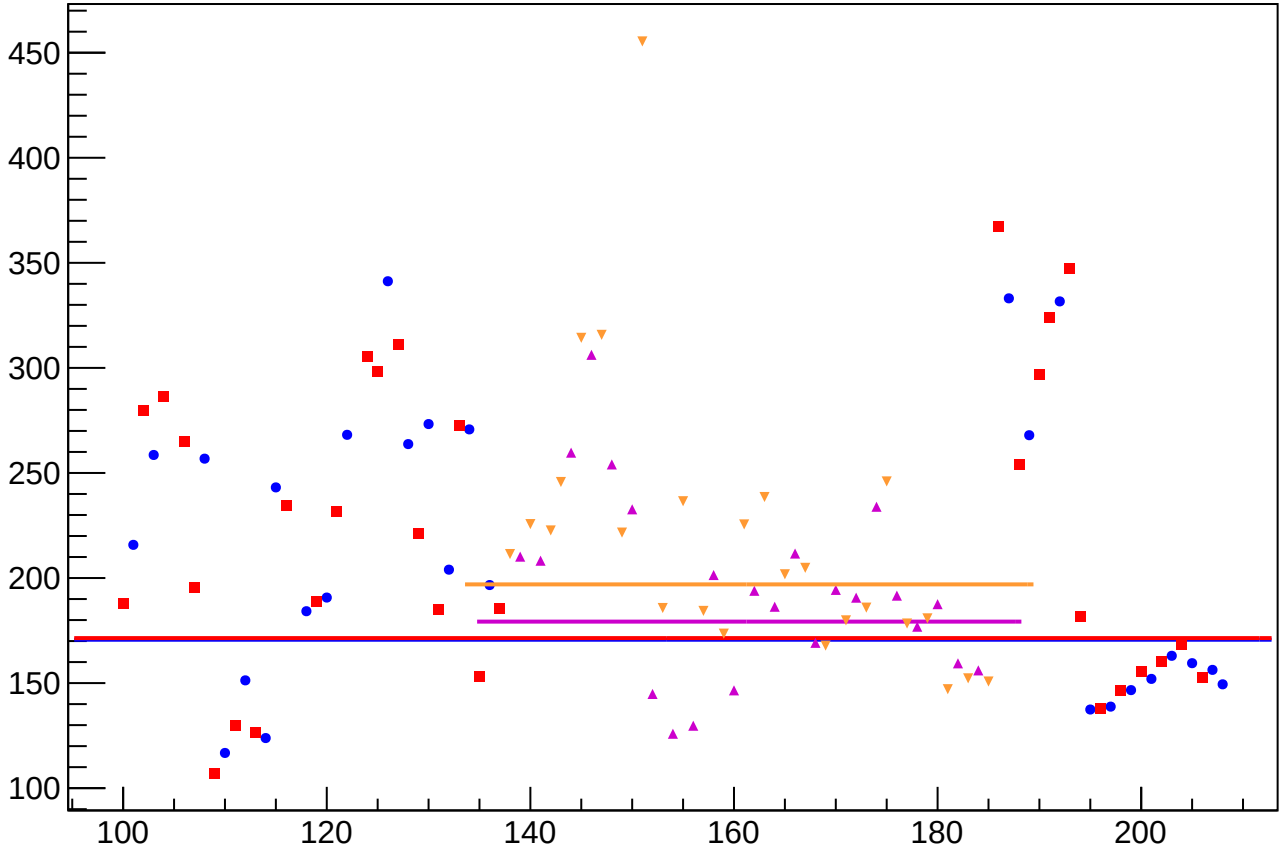
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign -28.727+/-32.266 χ^2/NDF: 67.6/51

All: 6.824+/-22.503 χ^2/NDF: 128.1/105

- sign 40.490+/-31.399 χ^2/NDF: 58.1/53

asym_bcm_target_rms vs Slug



Right In: 170.638+/-0.032 χ^2/NDF: 2238451.2/26

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 171.411+/-0.032 χ^2/NDF: 2896701.5/30

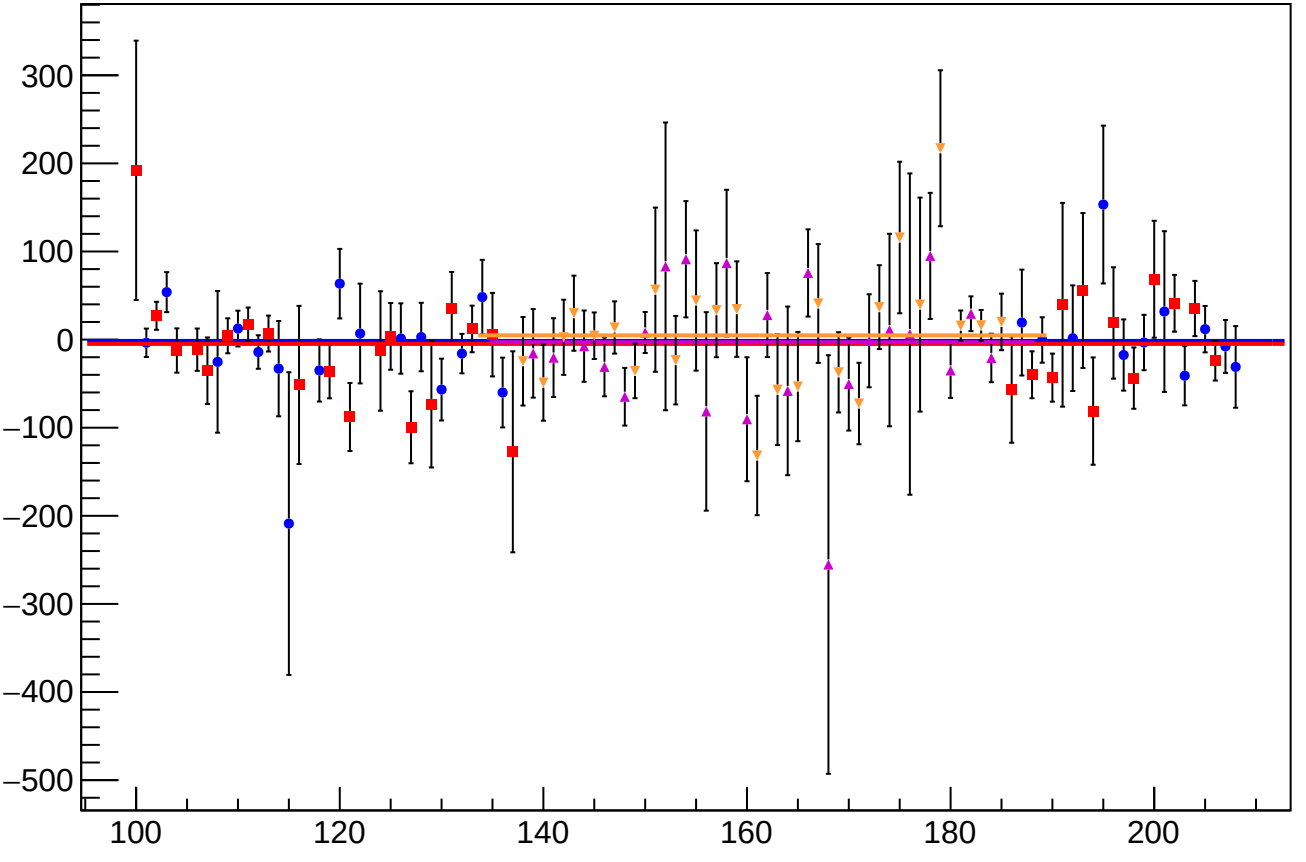
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 183.363+/-0.023 χ^2/NDF: 4380510.5/51

All: 179.297+/-0.016 χ^2/NDF: 9026266.0/105

- sign 175.446+/-0.022 χ^2/NDF: 4583912.5/53

asym_bcm_an_diff_mean vs Slug



Right In: -1.509+/-6.156 χ^2/NDF: 24.4/26

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -4.872+/-5.718 χ^2/NDF: 37.0/30

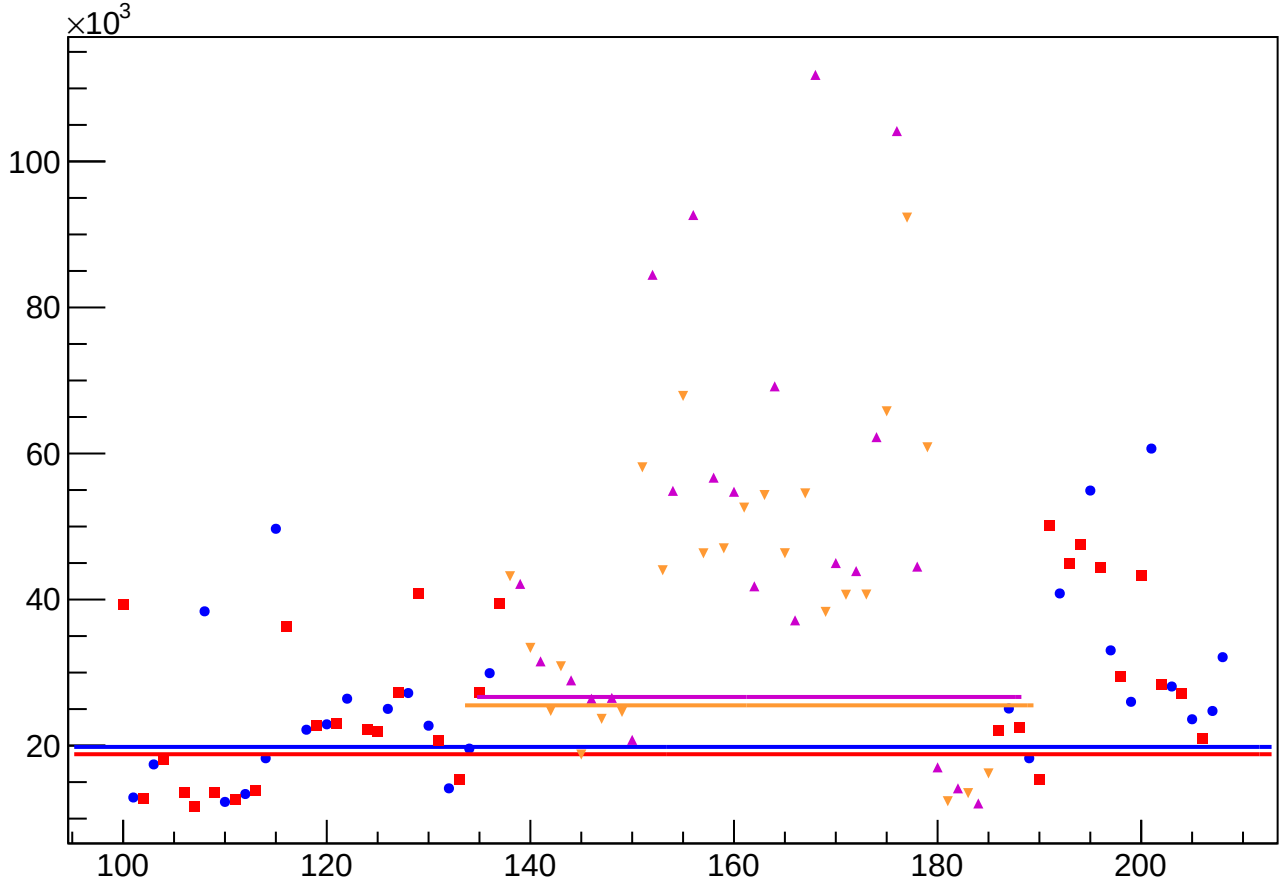
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 0.991+/-4.784 χ^2/NDF: 49.1/51

All: -1.642+/-3.389 χ^2/NDF: 108.3/105

- sign -4.295+/-4.801 χ^2/NDF: 58.6/53

asym_bcm_an_diff_rms vs Slug



Right In: 19818.677+/-4.353 χ^2/NDF: 3116835.4/26

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 18818.633+/-4.044 χ^2/NDF: 3525158.5/30

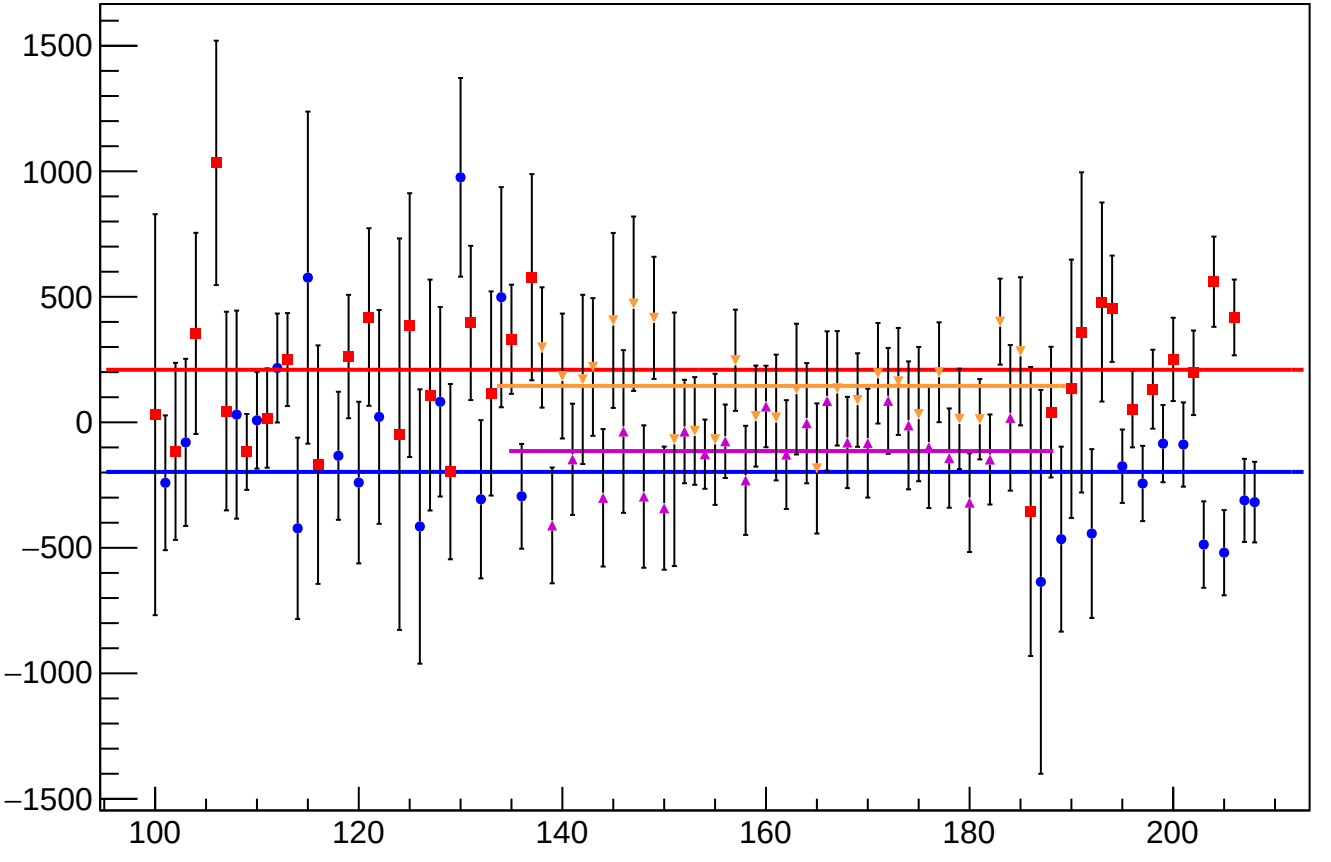
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 22074.025+/-3.383 χ^2/NDF: 11537191.2/51

All: 21604.798+/-2.396 χ^2/NDF: 22093776.0

- sign 21132.094+/-3.395 χ^2/NDF: 10517958.2/53

asym_bcm_an_ds_mean vs Slug



Right In: -197.511+/-44.587 χ^2/NDF: 29.6/26

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 209.406+/-44.785 χ^2/NDF: 24.3/30

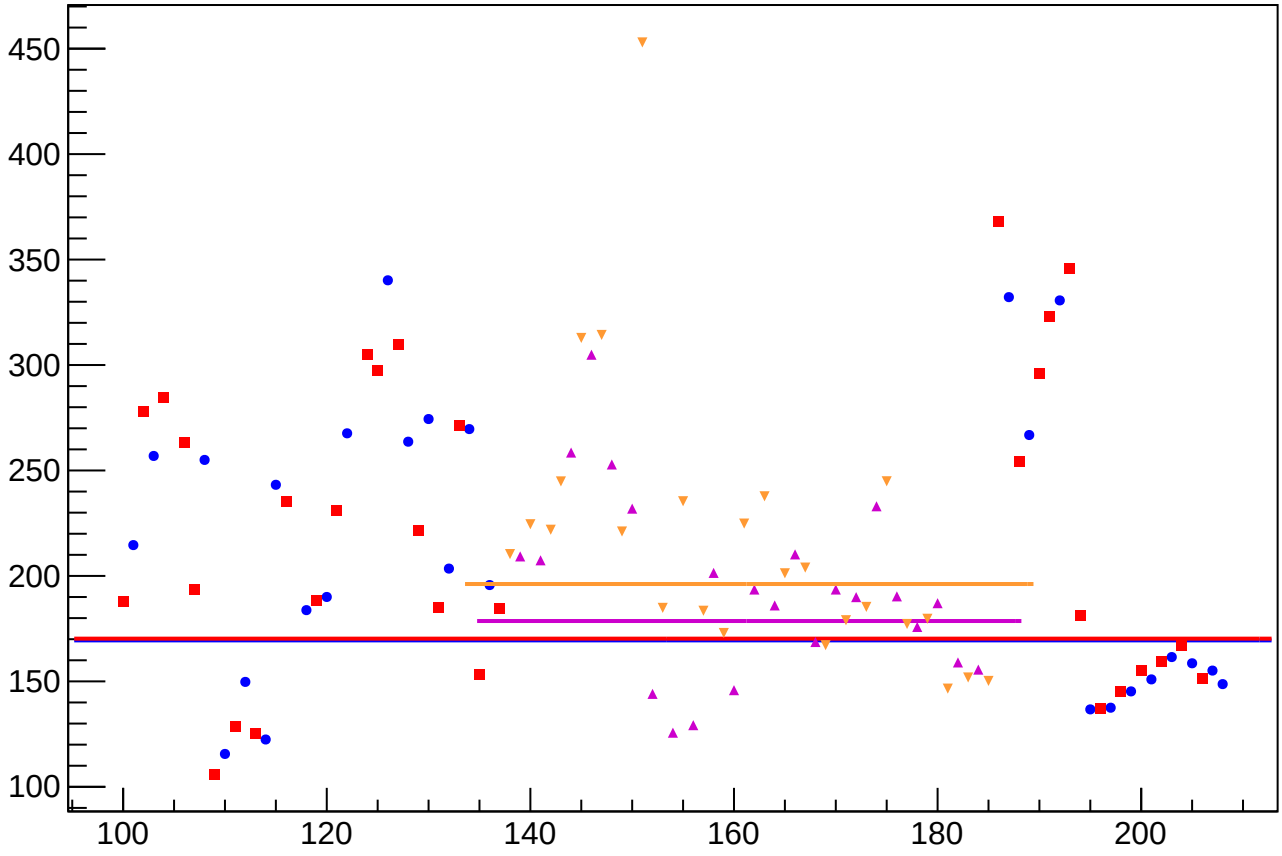
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign -32.348+/-32.092 χ^2/NDF: 69.3/51

All: 6.450+/-22.388 χ^2/NDF: 131.6/105

- sign 43.234+/-31.248 χ^2/NDF: 59.5/53

asym_bcm_an_ds_rms vs Slug



Right In: 169.438+/-0.032 χ^2/NDF: 2267490.2/26

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 170.262+/-0.032 χ^2/NDF: 2933541.7/30

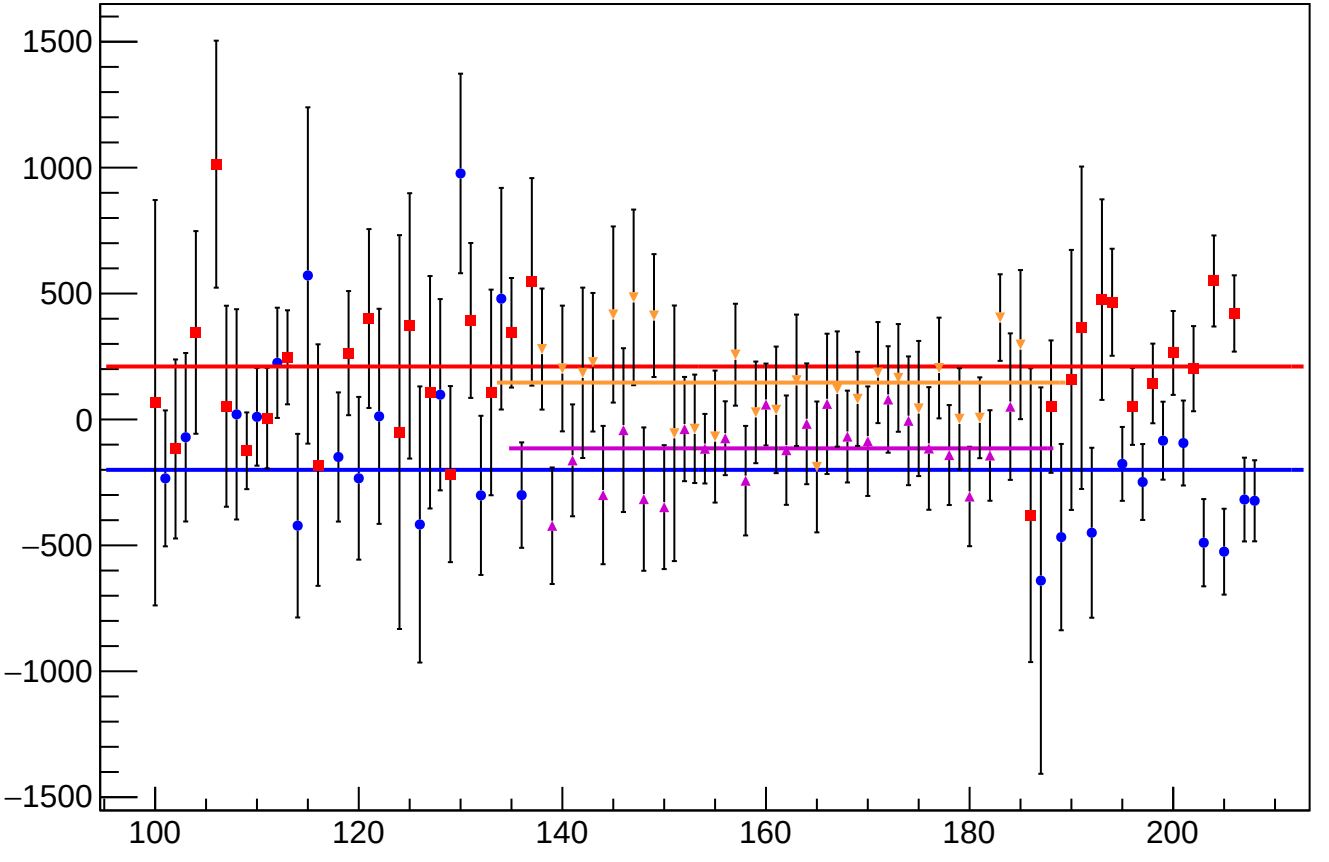
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 182.320+/-0.023 χ^2/NDF: 4420723.9/51

All: 178.332+/-0.016 χ^2/NDF: 9102054.4/105

- sign 174.552+/-0.022 χ^2/NDF: 4621169.6/53

asym_bcm_an_ds3_mean vs Slug



Right In: -200.090+/-44.805 χ^2/NDF: 29.7/26

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 210.300+/-45.015 χ^2/NDF: 24.1/30

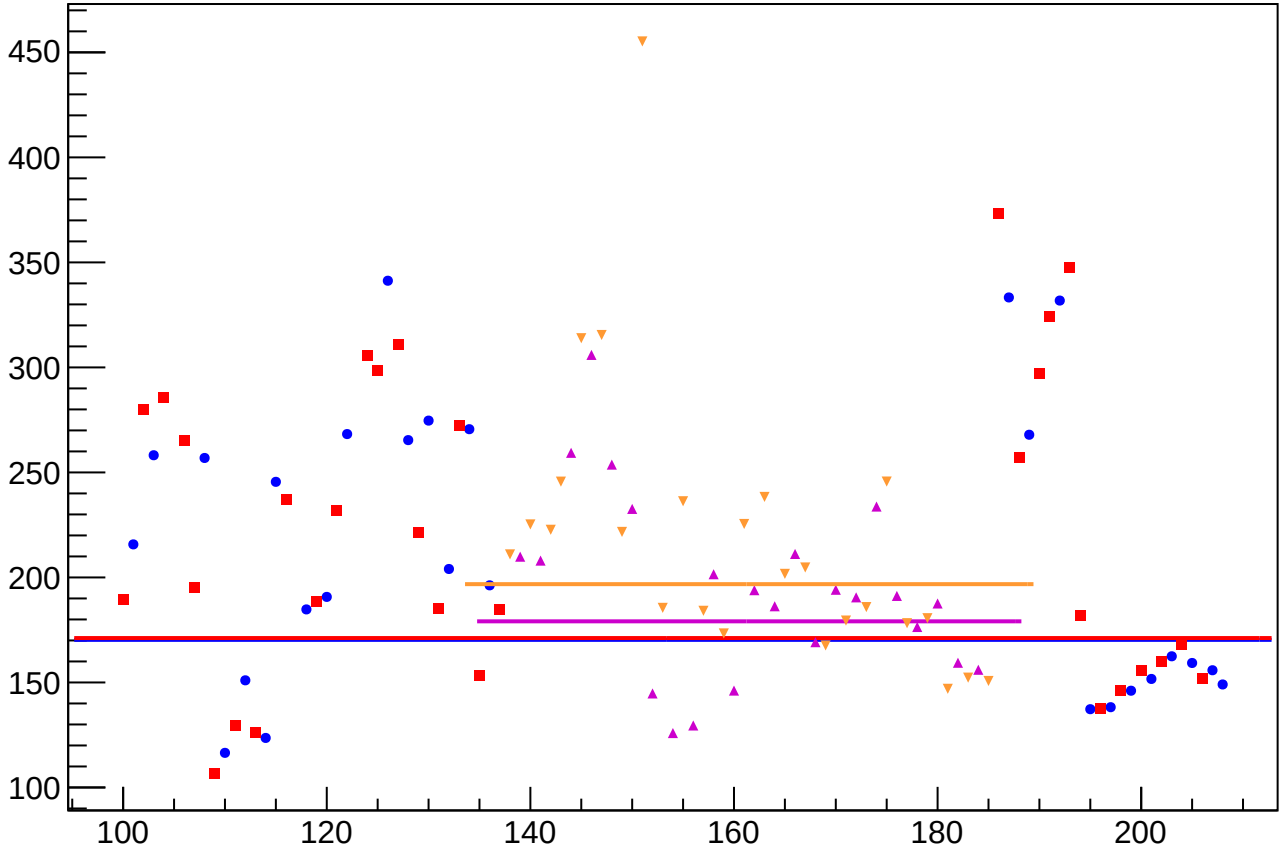
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign -32.816+/-32.224 χ^2/NDF: 70.0/51

All: 6.151+/-22.478 χ^2/NDF: 132.2/105

- sign 43.080+/-31.370 χ^2/NDF: 59.4/53

asym_bcm_an_ds3_rms vs Slug



Right In: 170.284+/-0.032 χ^2/NDF: 2259768.5/26

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 171.140+/-0.032 χ^2/NDF: 2930663.9/30

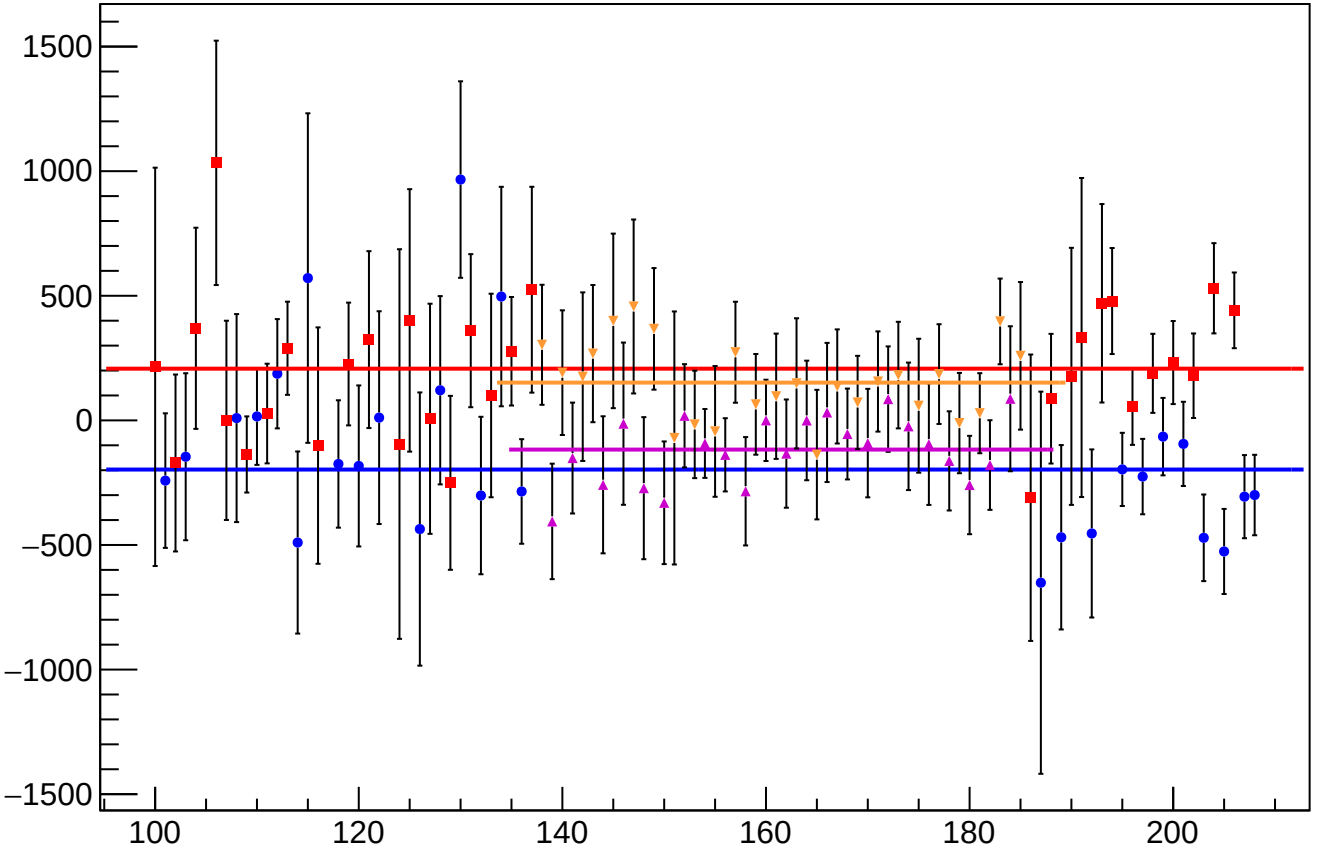
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 183.087+/-0.023 χ^2/NDF: 4406661.0/51

All: 179.056+/-0.016 χ^2/NDF: 9086333.5/105

- sign 175.235+/-0.022 χ^2/NDF: 4618699.7/53

asym_bcm_an_us_mean vs Slug



Right In: -197.304+/-44.882 χ^2/NDF: 28.8/26

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 207.512+/-45.060 χ^2/NDF: 24.0/30

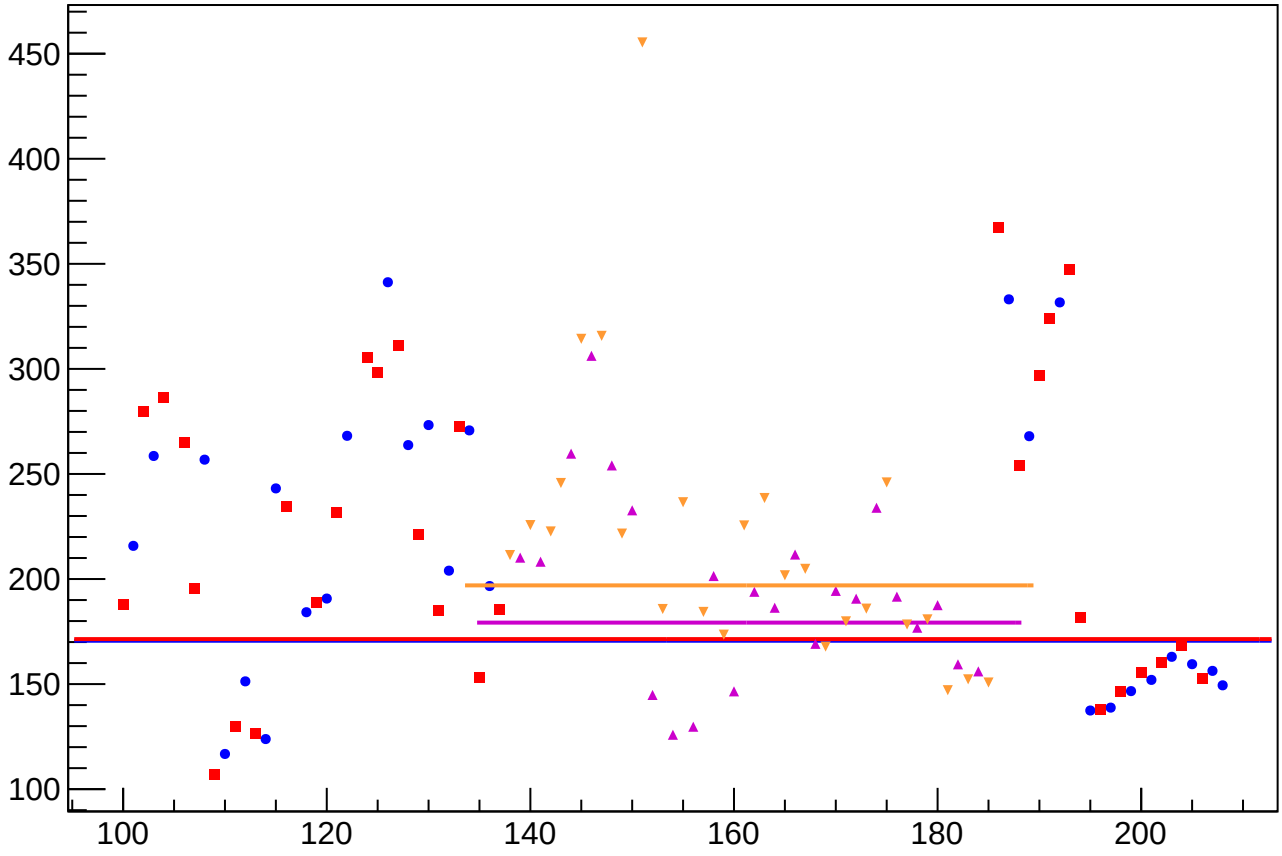
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign -28.727+/-32.266 χ^2/NDF: 67.6/51

All: 6.824+/-22.503 χ^2/NDF: 128.1/105

- sign 40.490+/-31.399 χ^2/NDF: 58.1/53

asym_bcm_an_us_rms vs Slug



Right In: 170.638+/-0.032 χ^2/NDF: 2238451.2/26

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 171.411+/-0.032 χ^2/NDF: 2896701.5/30

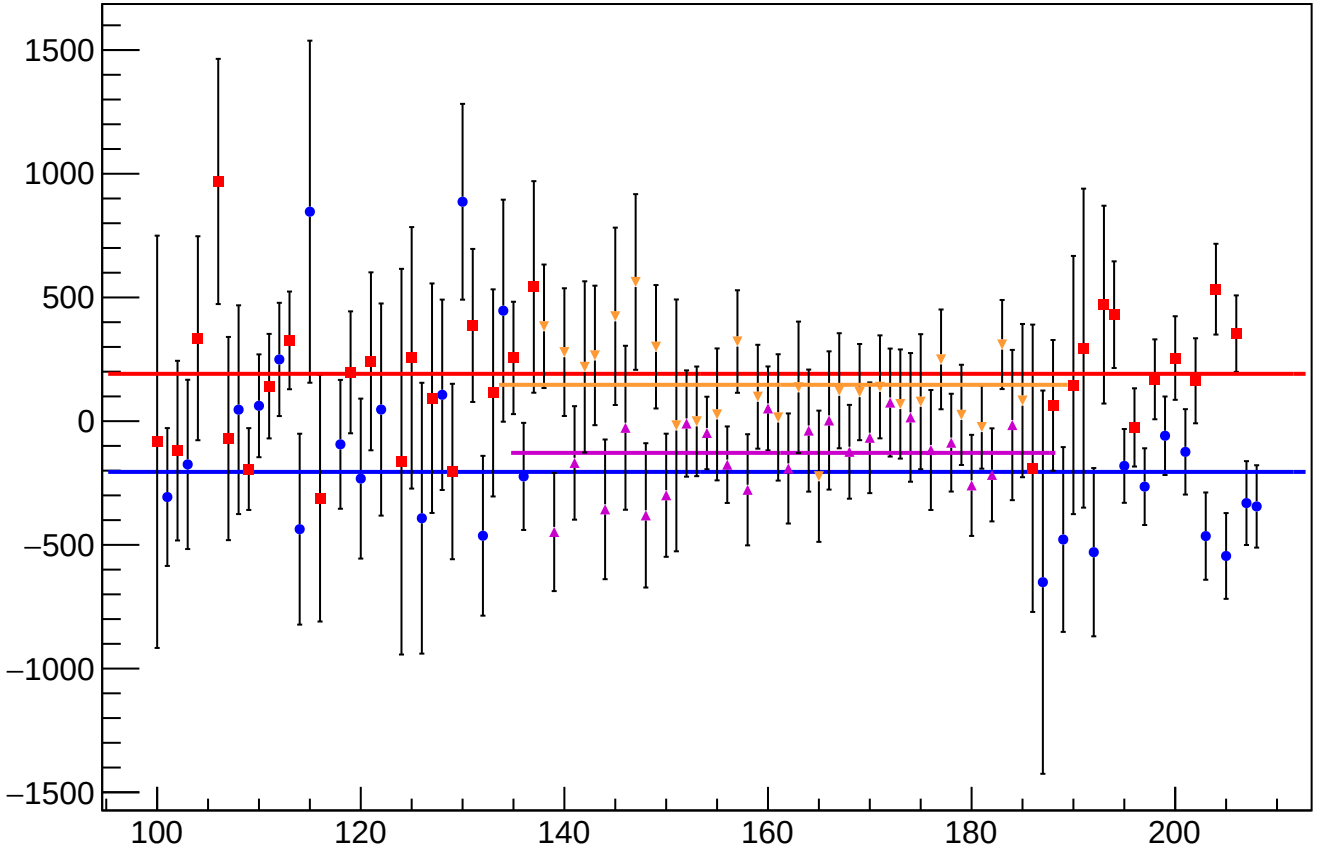
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 183.363+/-0.023 χ^2/NDF: 4380510.5/51

All: 179.297+/-0.016 χ^2/NDF: 9026266.0/105

- sign 175.446+/-0.022 χ^2/NDF: 4583912.5/53

asym_bcm_dg_us_mean vs Slug



Right In: -205.059+/-45.936 χ^2/NDF: 30.7/26

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 191.338+/-46.293 χ^2/NDF: 22.6/30

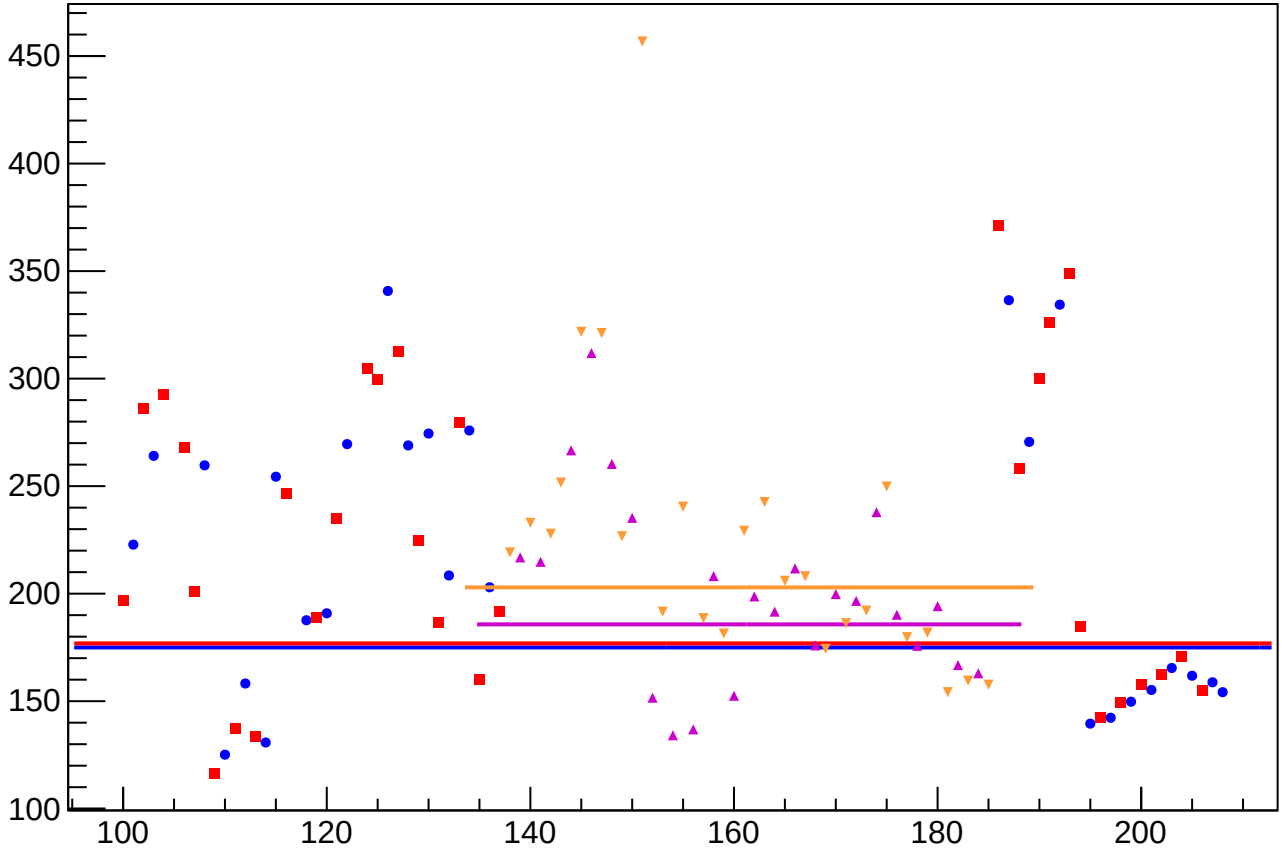
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

\+ sign -35.704+/-33.091 χ^2/NDF: 69.2/51

All: -3.238+/-23.129 χ^2/NDF: 126.6/105

\- sign 27.772+/-32.341 χ^2/NDF: 55.5/53

asym_bcm_dg_us_rms vs Slug



Right In: 174.982+/-0.032 χ^2/NDF: 2148656.0/26

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 176.870+/-0.033 χ^2/NDF: 2688610.0/30

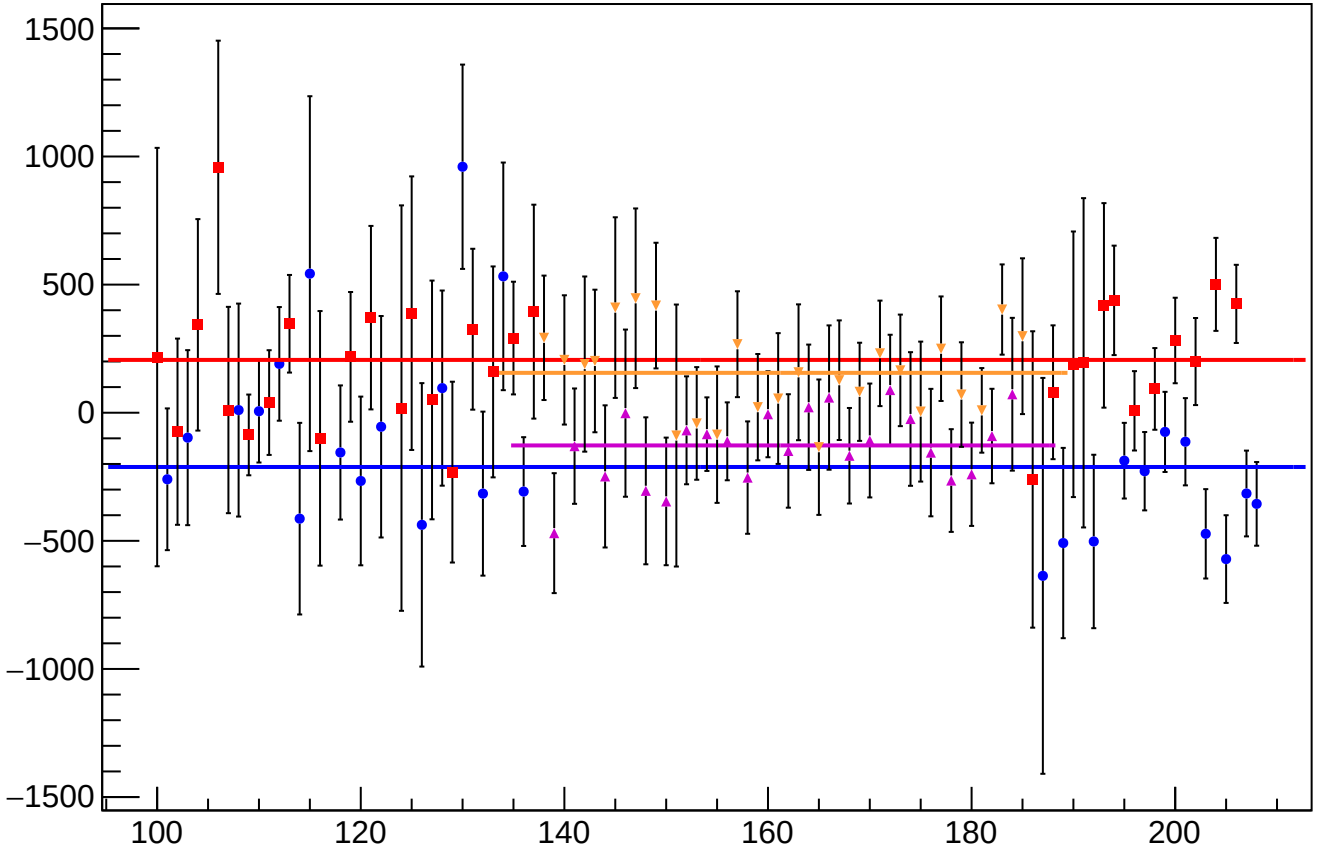
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 188.423+/-0.023 χ^2/NDF: 4204675.3/51

All: 184.830+/-0.016 χ^2/NDF: 8466242.6/105

- sign 181.399+/-0.023 χ^2/NDF: 4215480.9/53

asym_bcm_dg_ds_mean vs Slug



Right In: -211.764+/-45.337 χ^2/NDF: 29.8/26

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 206.110+/-45.568 χ^2/NDF: 20.3/30

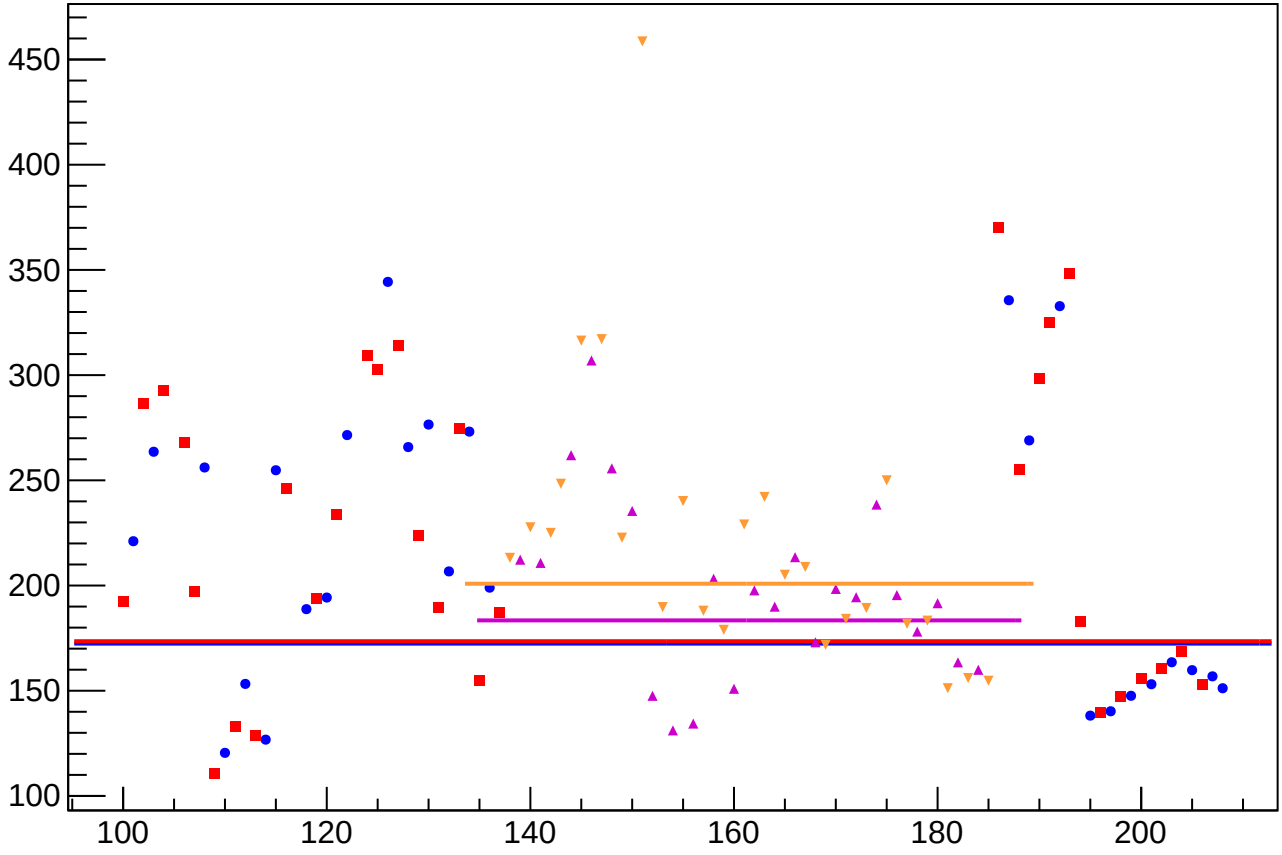
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

\+ sign -35.698+/-32.718 χ^2/NDF: 71.9/51

All: 1.052+/-22.844 χ^2/NDF: 130.0/105

\- sign 36.008+/-31.909 χ^2/NDF: 55.6/53

asym_bcm_dg_ds_rms vs Slug



Right In: 172.415+/-0.032 χ^2/NDF: 2234803.2/26

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 173.535+/-0.032 χ^2/NDF: 2860369.5/30

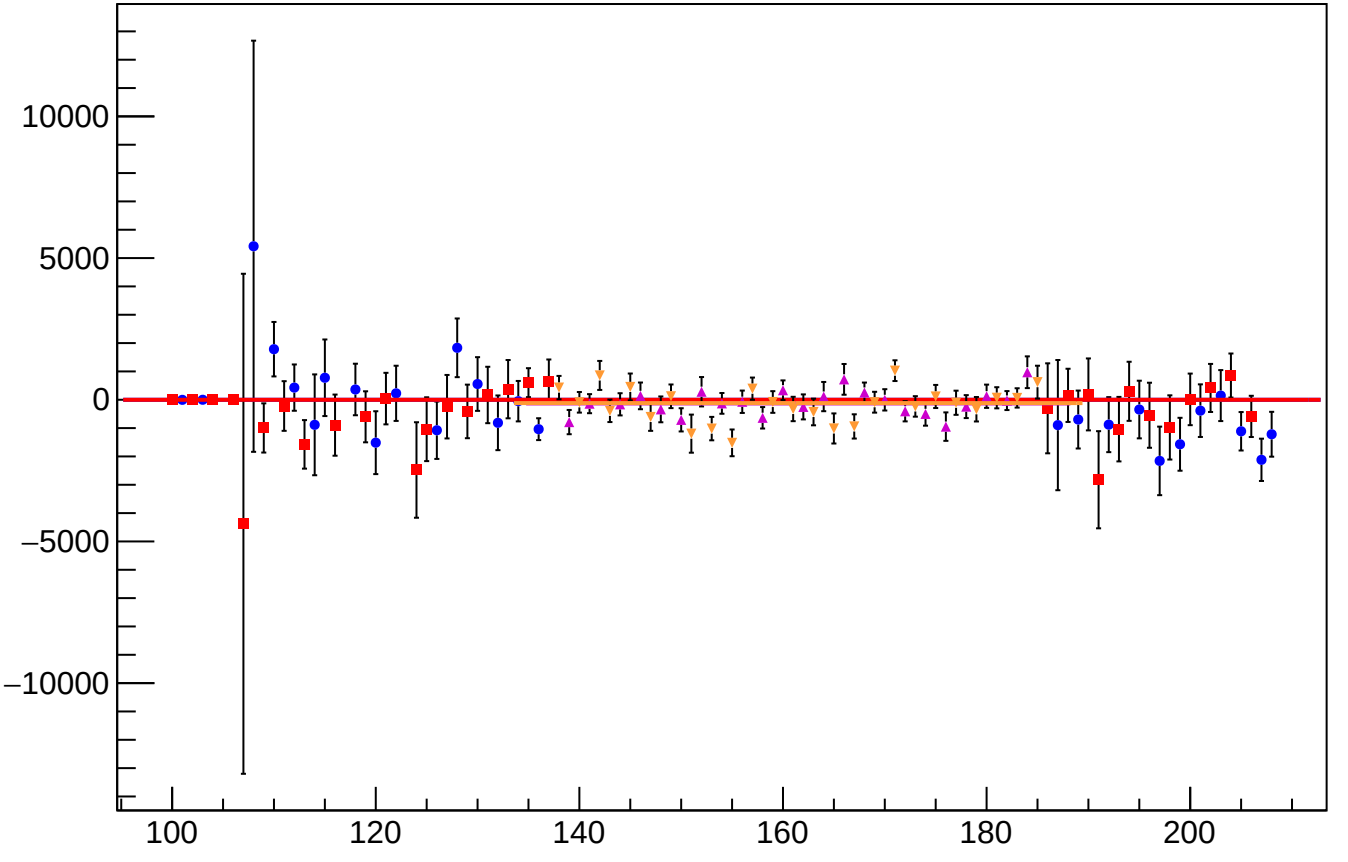
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 186.048+/-0.023 χ^2/NDF: 4339607.9/51

All: 182.220+/-0.016 χ^2/NDF: 8832170.3/105

- sign 178.579+/-0.023 χ^2/NDF: 4439146.3/53

asym_cav4bQ_mean vs Slug



Right In: -1.304+/-2.171 χ^2/NDF: 40.8/26

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.384+/-2.022 χ^2/NDF: 23.6/30

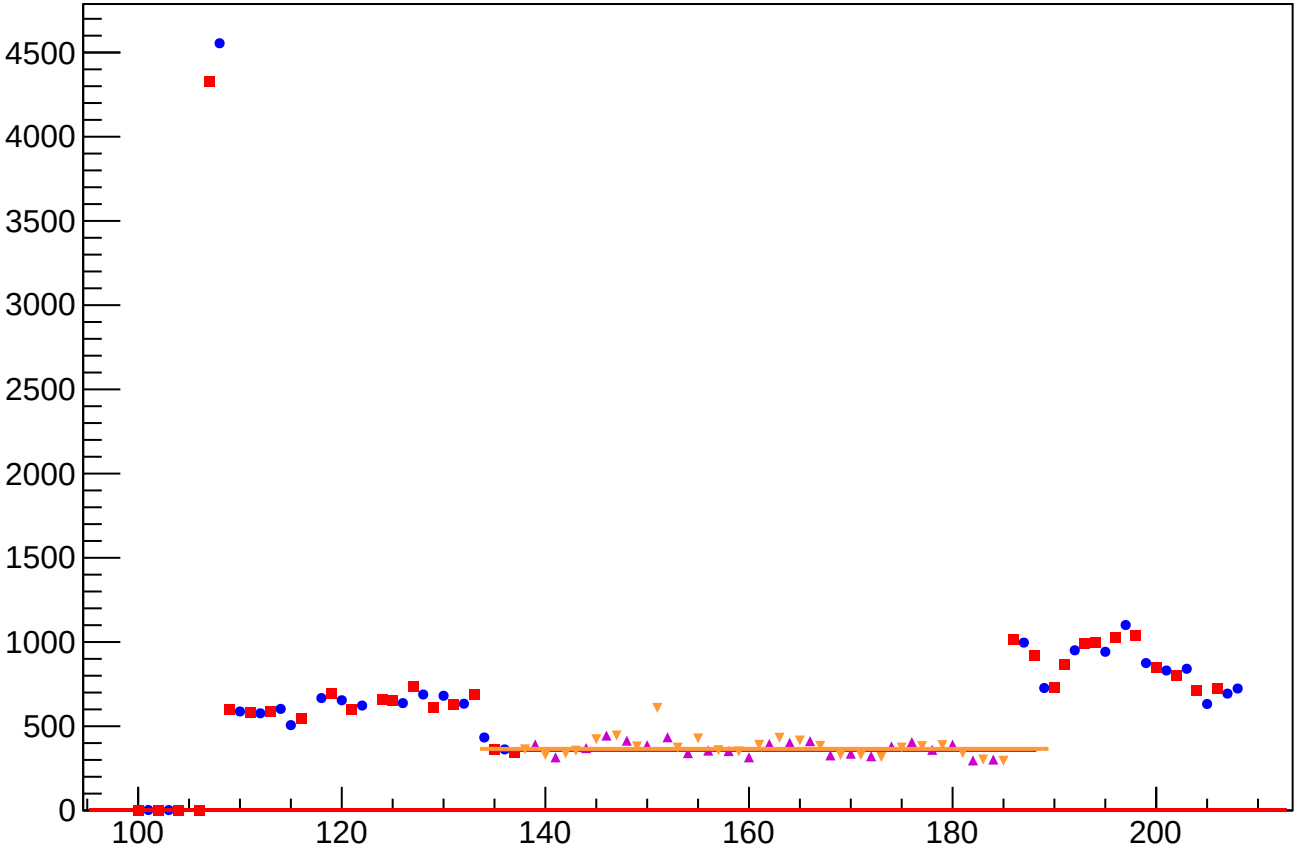
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.381+/-2.170 χ^2/NDF: 89.0/51

All: -1.421+/-1.479 χ^2/NDF: 136.6/105

- sign -1.456+/-2.022 χ^2/NDF: 47.6/53

asym_cav4bQ_rms vs Slug



Right In: 2.525+/-0.002 χ^2/NDF: 28446416.1/26

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.504+/-0.001 χ^2/NDF: 29159844.7/30

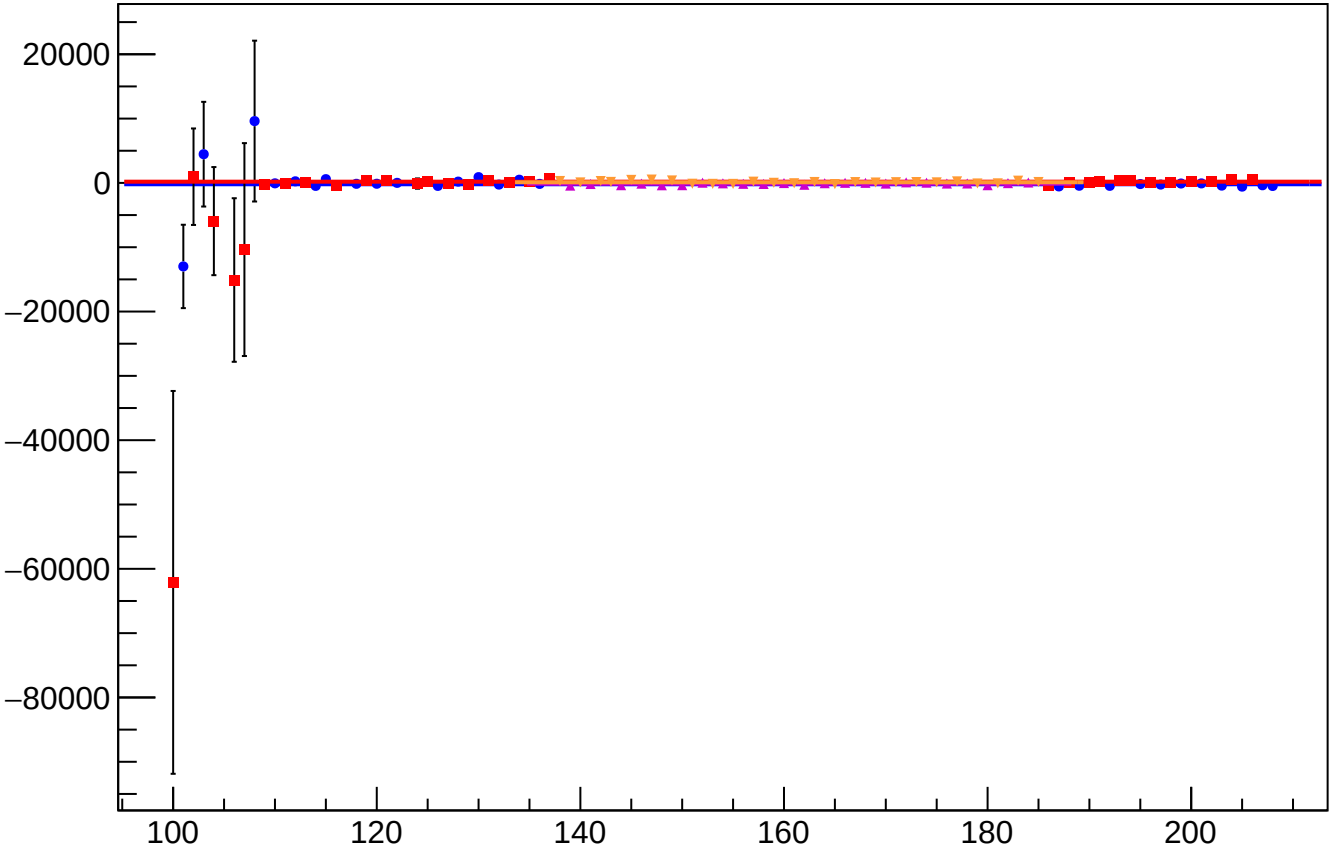
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

\+ sign 2.766+/-0.002 χ^2/NDF: 66271411.8/51

All: 2.733+/-0.001 χ^2/NDF: 130982073.5/105

\- sign 2.705+/-0.001 χ^2/NDF: 64709802.5/53

asym_cav4cQ_mean vs Slug



Right In: -210.088+/-49.538 χ^2/NDF: 33.2/26

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 190.865+/-50.605 χ^2/NDF: 24.8/30

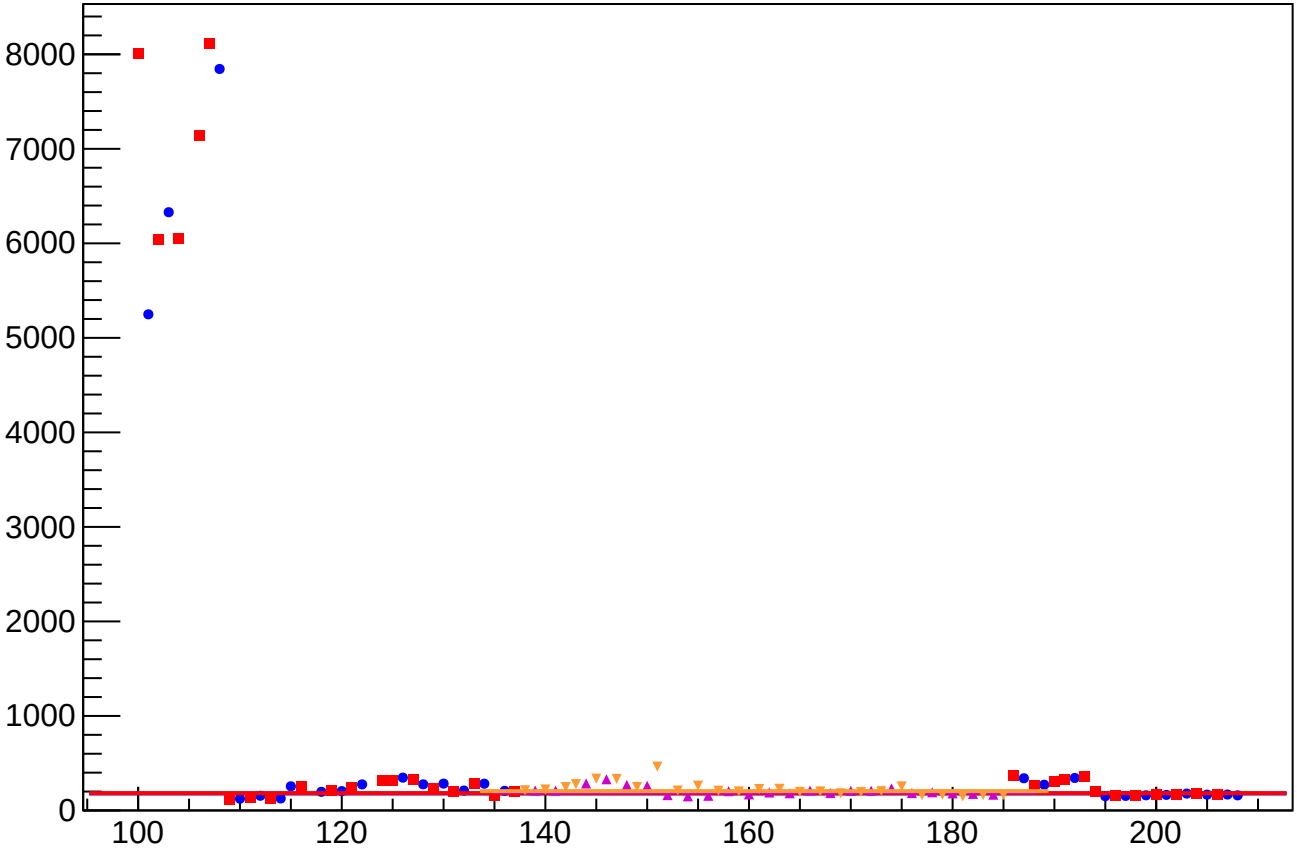
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign -51.166+/-34.564 χ^2/NDF: 66.0/51

All: -13.338+/-24.390 χ^2/NDF: 122.6/105

- sign 24.177+/-34.421 χ^2/NDF: 54.2/53

asym_cav4cQ_rms vs Slug



Right In: 179.882+/-0.035 χ^2/NDF: 4876133.8/26

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 182.752+/-0.036 χ^2/NDF: 5526101.0/30

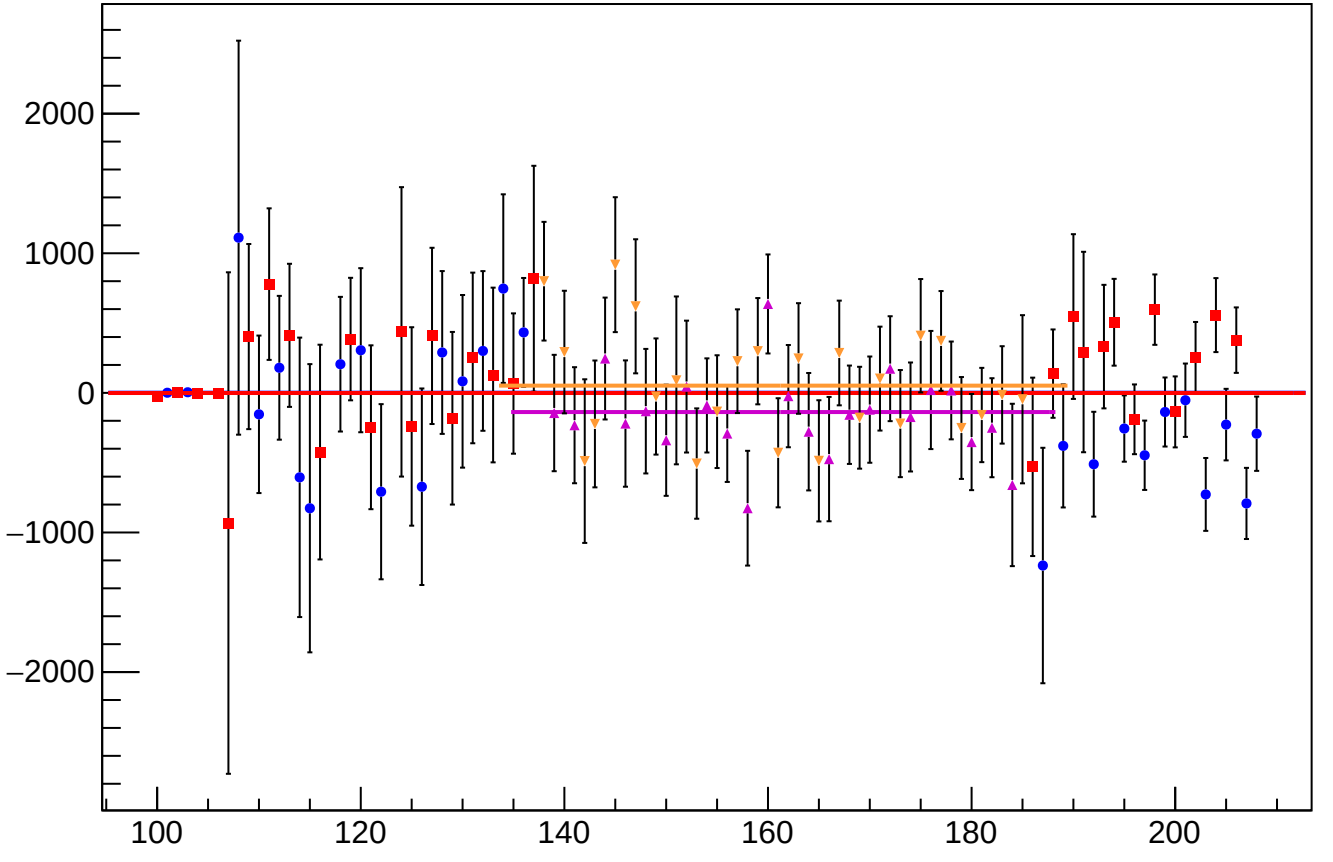
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 192.557+/-0.024 χ^2/NDF: 7106378.2/51

All: 190.640+/-0.017 χ^2/NDF: 13888424.9/10

- sign 188.740+/-0.024 χ^2/NDF: 6769799.0/53

asym_cav4dQ_mean vs Slug



Right In: 1.310+/-1.660 χ^2/NDF: 36.9/26

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -1.018+/-1.528 χ^2/NDF: 28.8/30

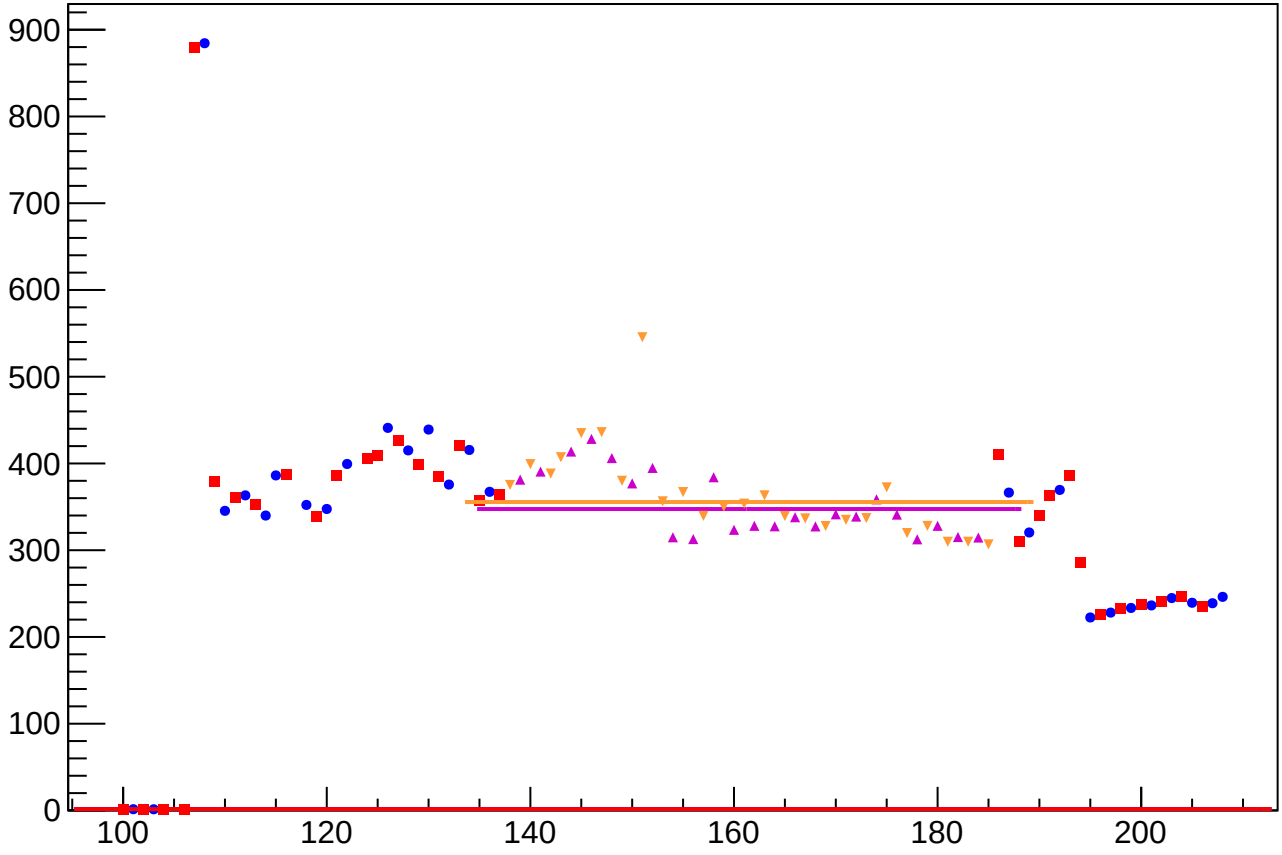
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.331+/-1.660 χ^2/NDF: 56.8/51

All: 0.033+/-1.124 χ^2/NDF: 101.6/105

- sign -1.066+/-1.527 χ^2/NDF: 43.7/53

asym_cav4dQ_rms vs Slug



Right In: 1.563+/-0.001 χ^2/NDF: 28718928.8/26

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.544+/-0.001 χ^2/NDF: 28839952.2/30

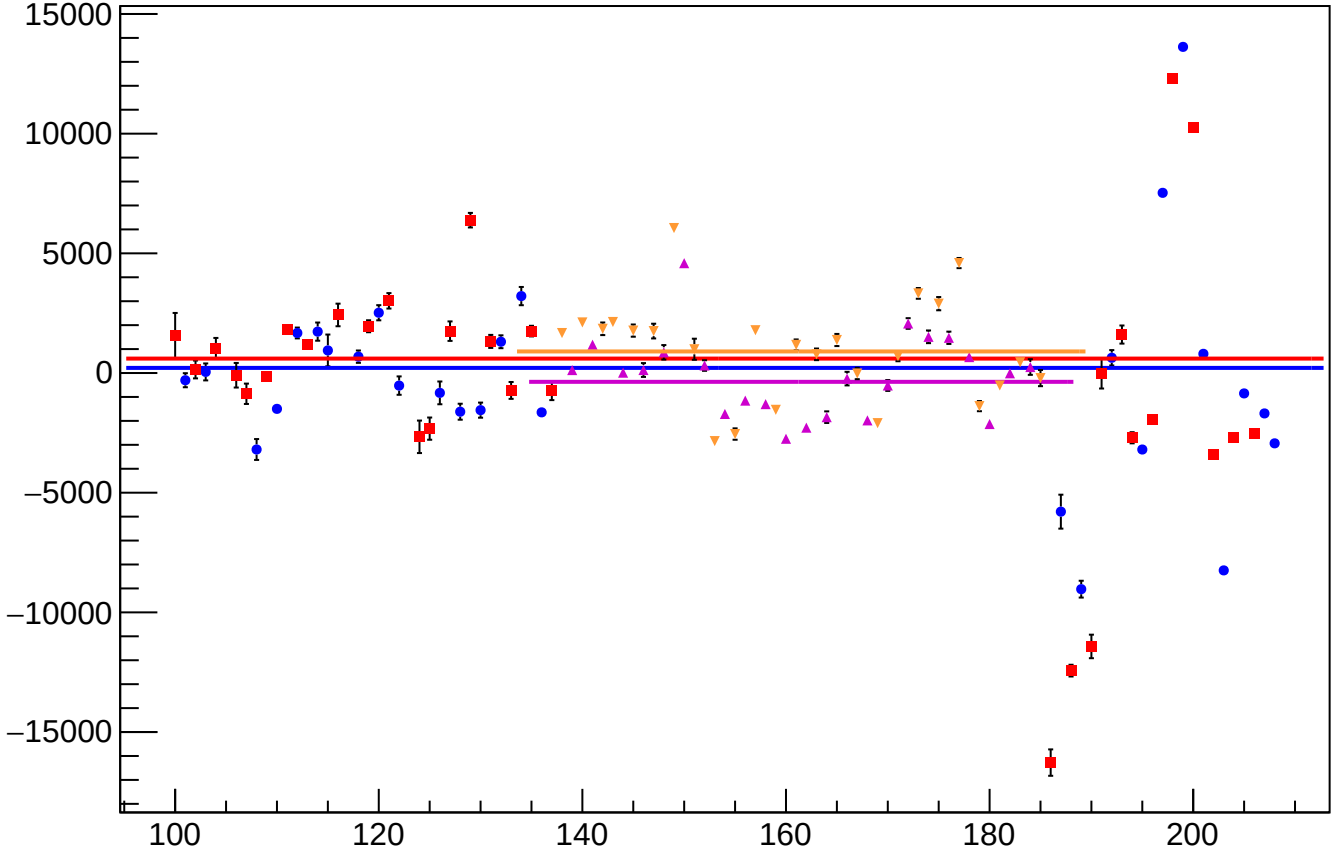
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.710+/-0.001 χ^2/NDF: 66908338.9/51

All: 1.685+/-0.001 χ^2/NDF: 131581452.2/105

- sign 1.664+/-0.001 χ^2/NDF: 64672273.4/53

asym_bcm0l02_mean vs Slug



Right In: 213.813+/-47.218 χ^2/NDF: 11834.2/26

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 602.989+/-47.111 χ^2/NDF: 13728.0/30

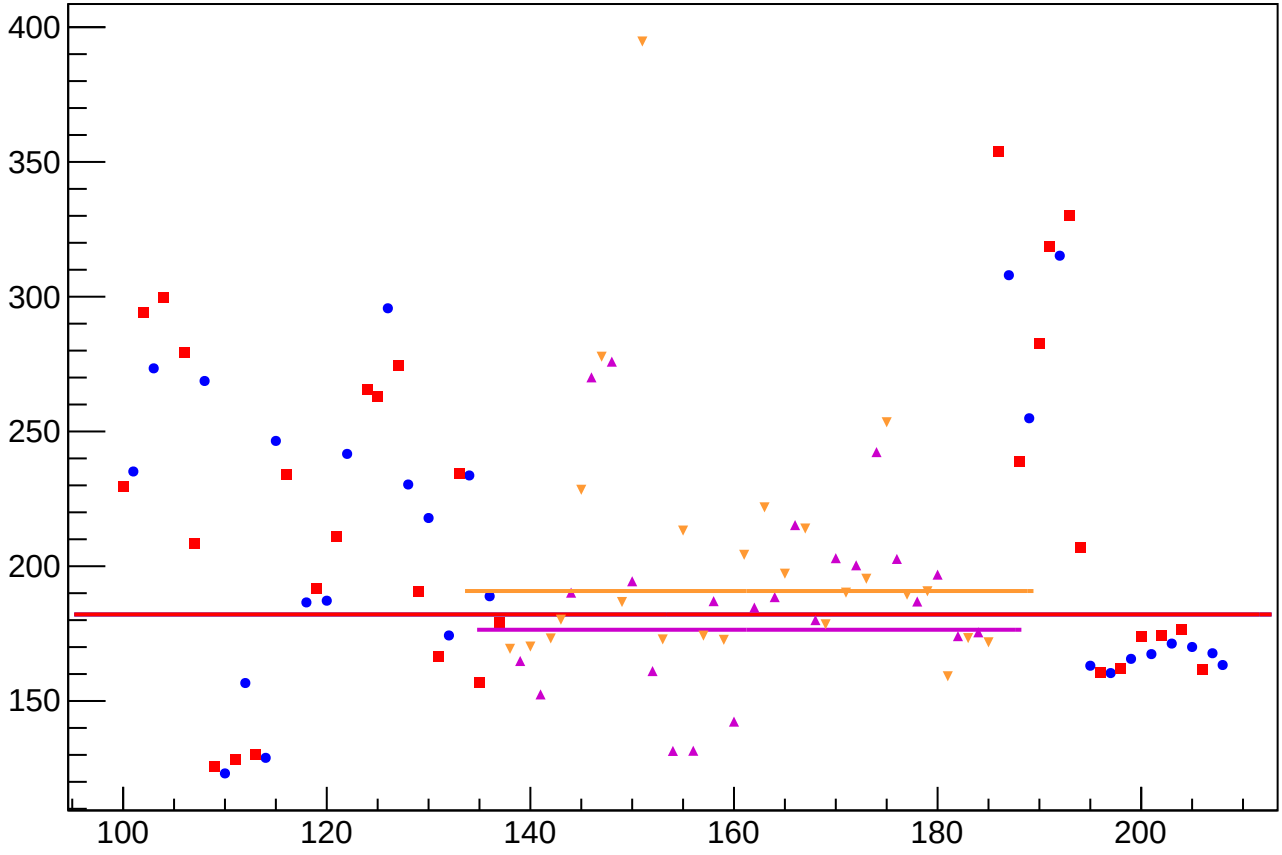
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 578.154+/-32.377 χ^2/NDF: 14357.5/51

All: 318.095+/-22.628 χ^2/NDF: 30037.9/105

- sign 69.778+/-31.638 χ^2/NDF: 15554.3/53

asym_bcm0l02_rms vs Slug



Right In: 182.084+/-0.033 χ^2/NDF: 1429059.6/26

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 182.123+/-0.033 χ^2/NDF: 2140967.1/30

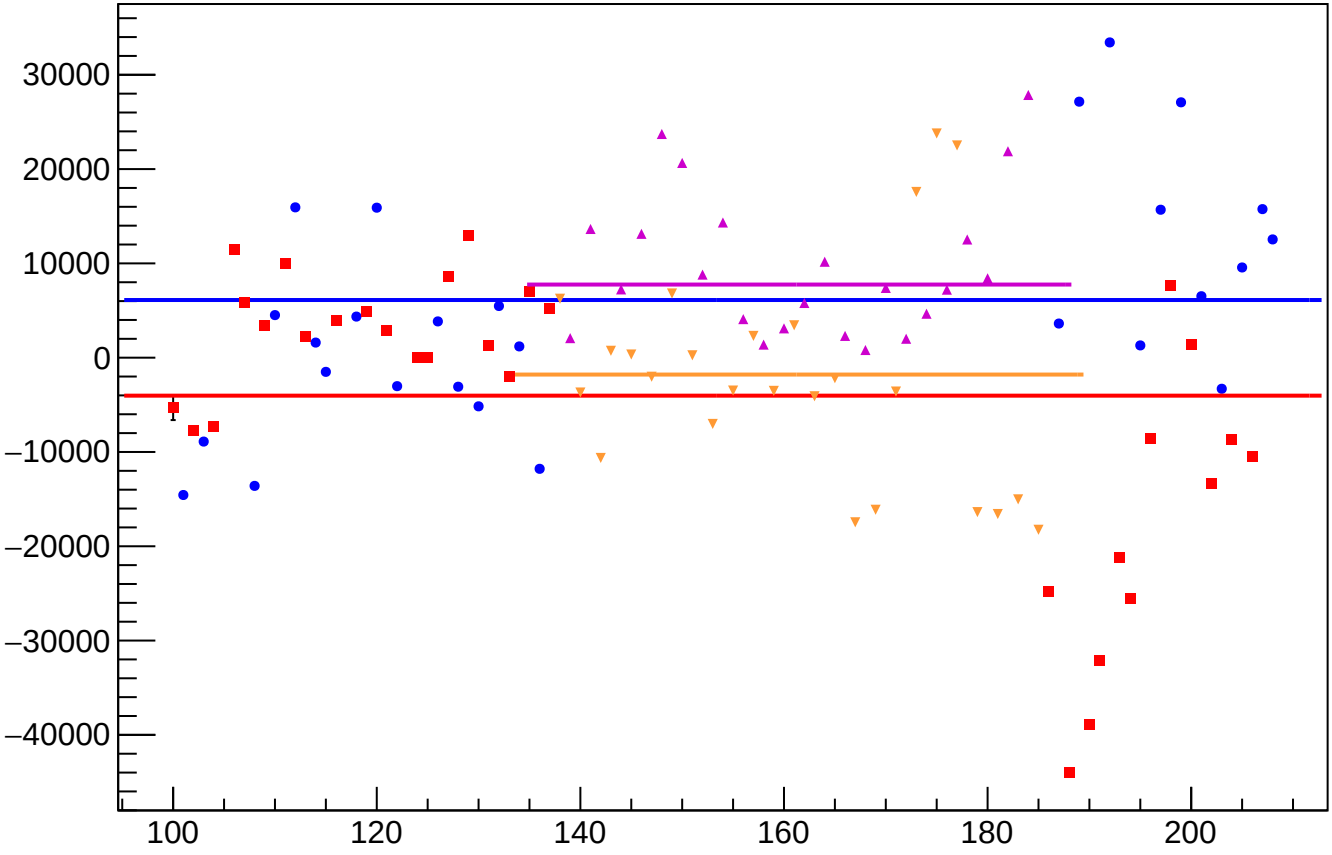
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 186.702+/-0.023 χ^2/NDF: 2484773.0/51

All: 182.761+/-0.016 χ^2/NDF: 5957354.7/105

- sign 178.998+/-0.022 χ^2/NDF: 3414654.1/53

asym_bpm0i02WS_mean vs Slug



Right In: 6114.570+/-40.982 χ^2/NDF: 93550.3/26

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -4027.617+/-39.615 χ^2/NDF: 137269.9/30

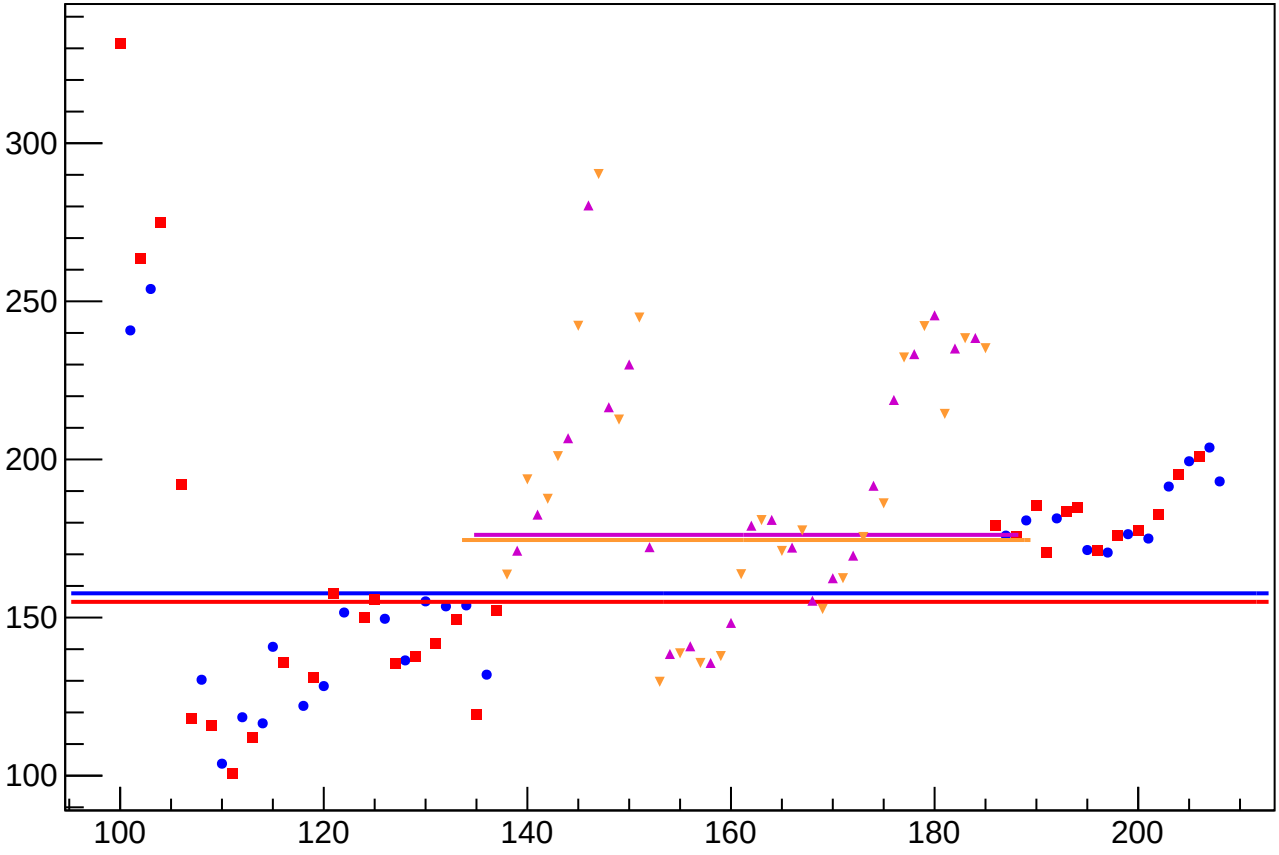
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 2155.154+/-28.953 χ^2/NDF: 177931.2/51

All: 1798.277+/-20.490 χ^2/NDF: 379833.5/10

- sign 1440.224+/-29.001 χ^2/NDF: 201597.9/53

asym_bpm0i02WS_rms vs Slug



Right In: 157.667+/-0.029 χ^2/NDF: 1290978.0/26

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

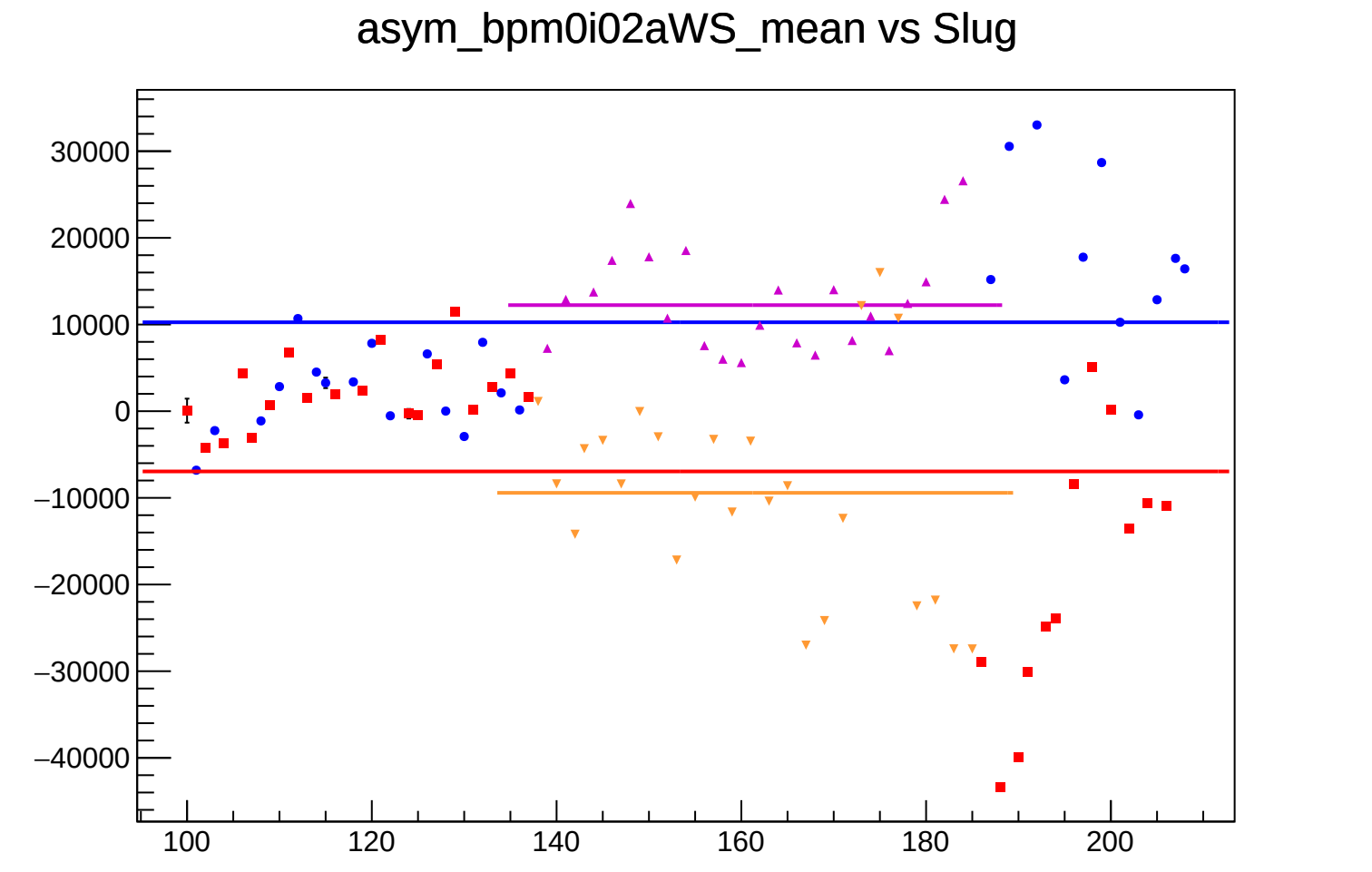
Right Out: 154.968+/-0.028 χ^2/NDF: 1611051.6/30

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

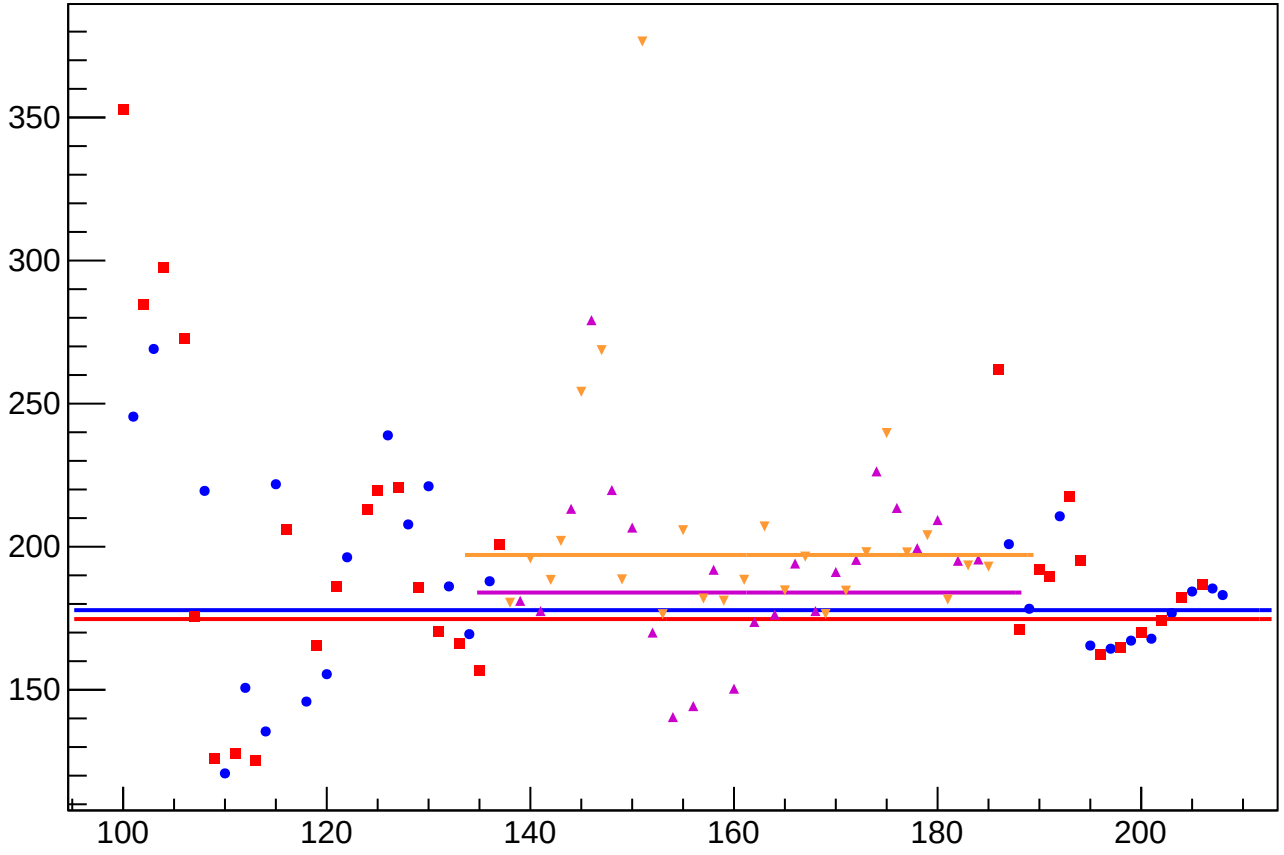
+ sign 166.109+/-0.020 χ^2/NDF: 3119857.9/51

All: 165.456+/-0.014 χ^2/NDF: 6365473.0/105

- sign 164.800+/-0.021 χ^2/NDF: 3243576.4/53


asym_bpm0i02aWS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 10259.986+/-45.655 χ²/NDF: 53859.4/26
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: -6950.226+/-44.320 χ²/NDF: 105809.8/30
Left In: 12238.678+/-44.195 χ²/NDF:16015.8/22
+ sign 429.135+/-32.298 χ²/NDF: 211398.6/51
All: 1585.617+/-22.475 χ²/NDF: 429702.4/10
- sign 2671.359+/-31.295 χ²/NDF: 215818.1/53

asym_bpm0i02aWS_rms vs Slug



Right In: 177.837+/-0.032 χ^2/NDF: 767214.0/26

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.722+/-0.031 χ^2/NDF: 1206158.1/30

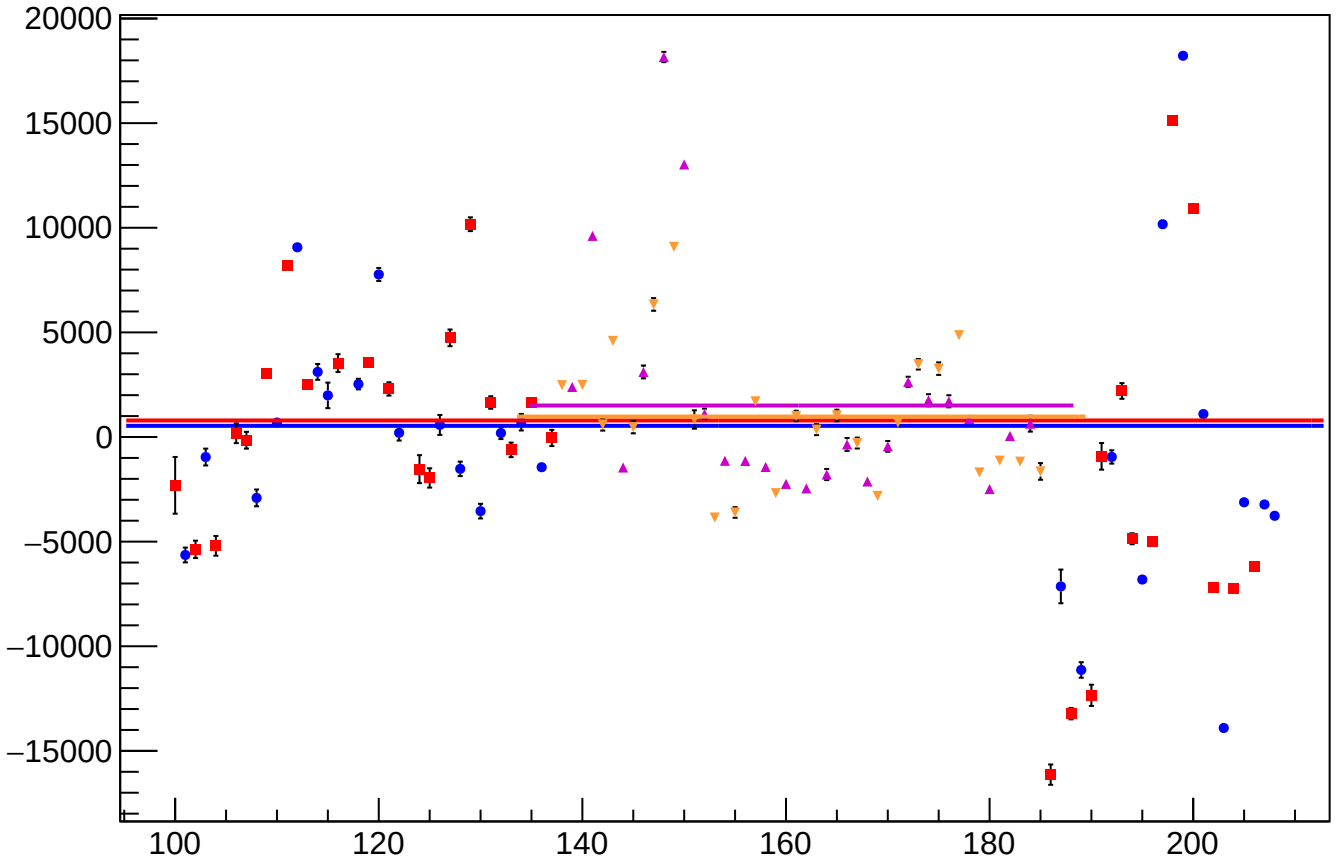
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 187.471+/-0.023 χ^2/NDF: 1678003.7/51

All: 183.291+/-0.016 χ^2/NDF: 3822692.7/105

- sign 179.367+/-0.022 χ^2/NDF: 2079745.8/53

asym_bpm0i05WS_mean vs Slug



Right In: 534.773+/-51.402 χ^2/NDF: 21456.6/26

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 791.403+/-50.150 χ^2/NDF: 20901.1/30

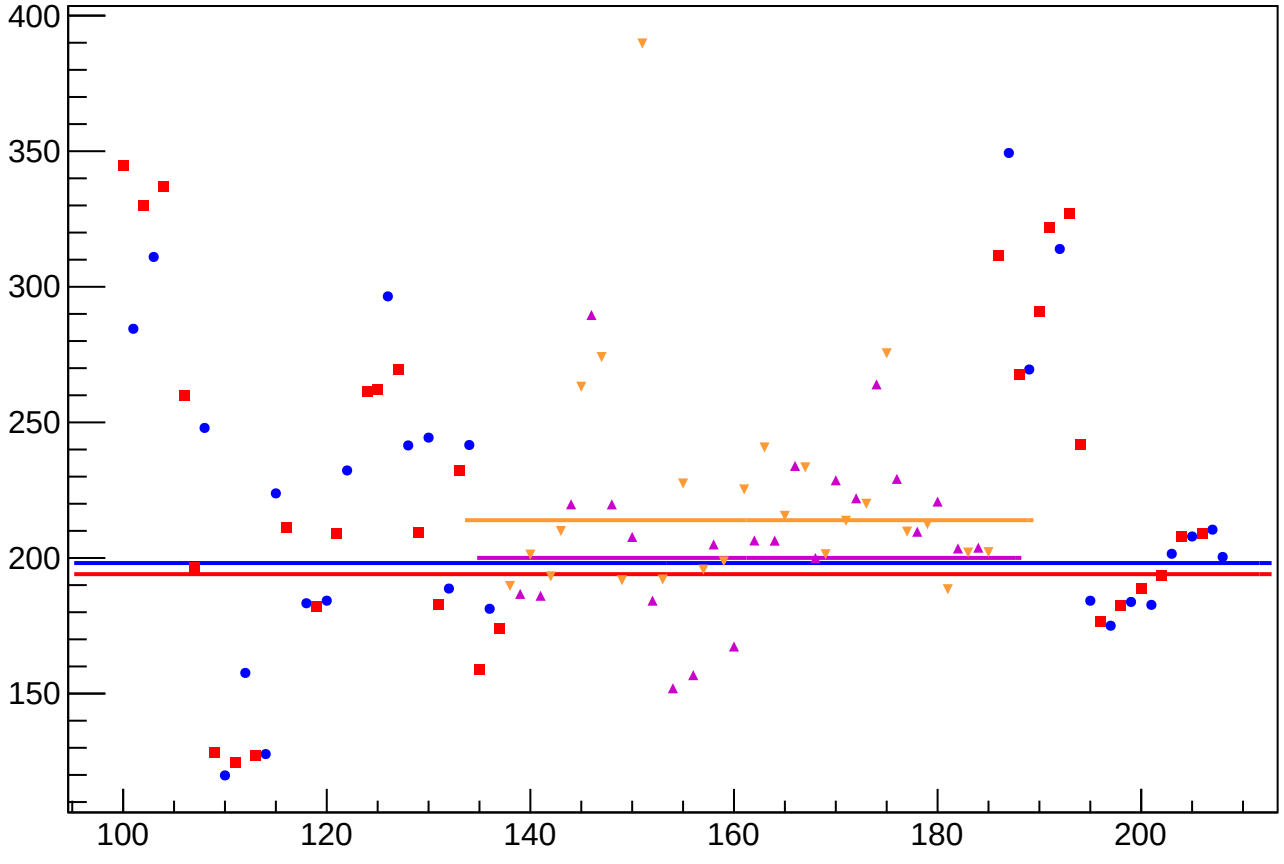
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 764.483+/-35.695 χ^2/NDF: 25818.1/51

All: 969.656+/-24.879 χ^2/NDF: 58369.6/105

- sign 1163.500+/-34.695 χ^2/NDF: 32487.3/53

asym_bpm0i05WS_rms vs Slug



Right In: 198.132+/-0.036 χ^2/NDF: 1451723.3/26

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 194.035+/-0.035 χ^2/NDF: 2254355.9/30

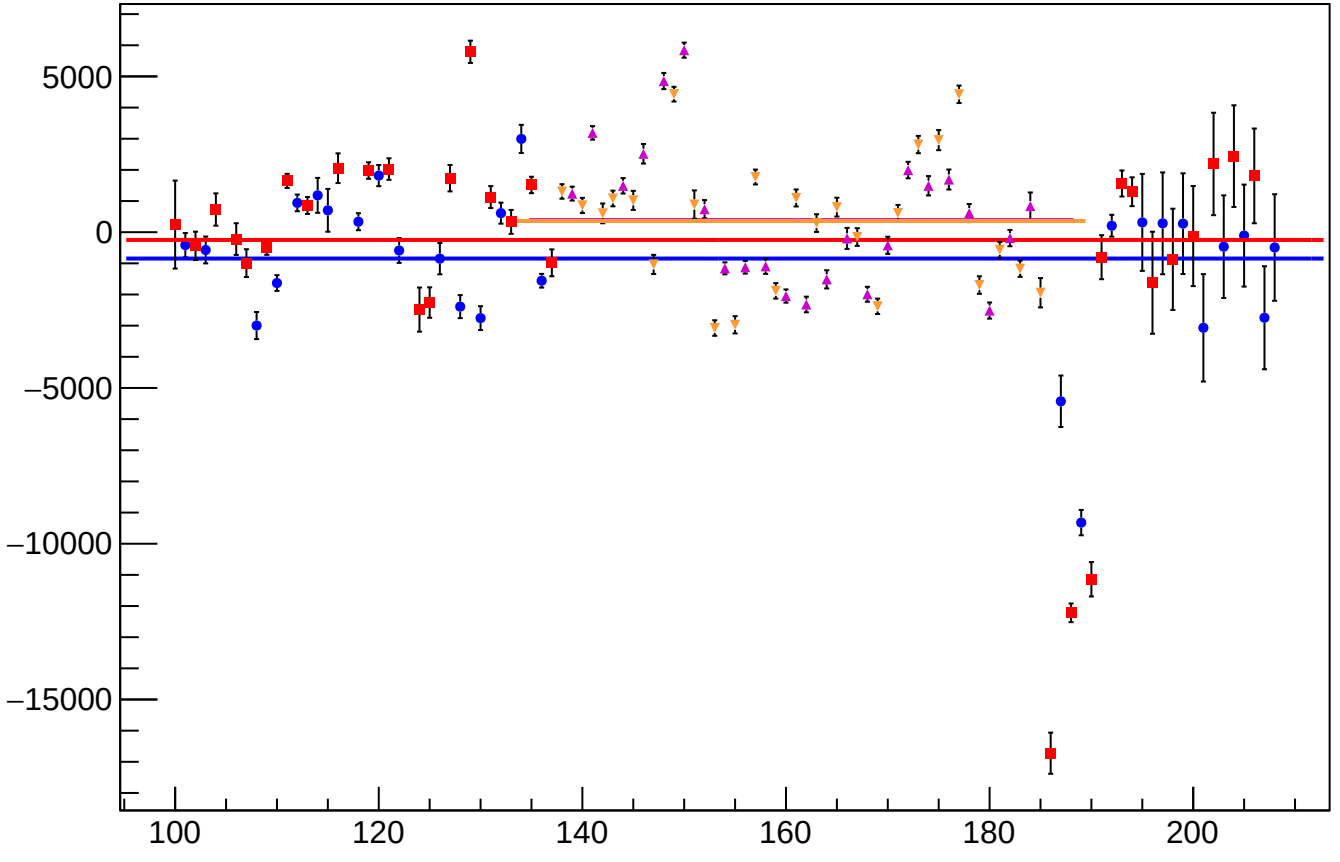
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.312+/-0.025 χ^2/NDF: 2283197.3/51

All: 201.607+/-0.018 χ^2/NDF: 5405568.6/105

- sign 197.161+/-0.025 χ^2/NDF: 3054782.8/53

asym_bpm0i07WS_mean vs Slug



Right In: -845.946+/-81.195 χ^2/NDF: 801.1/26

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -248.871+/-73.711 χ^2/NDF: 3275.7/30

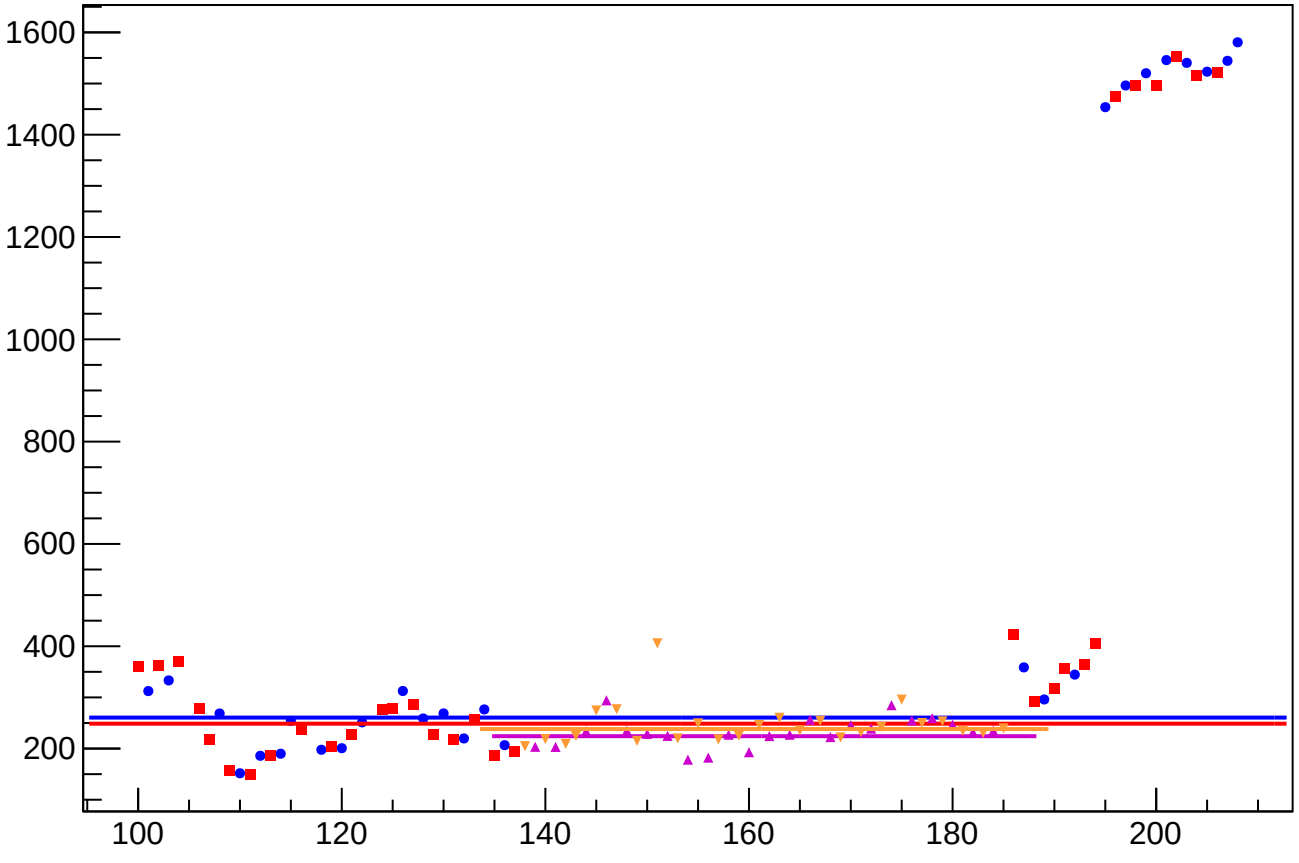
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -20.126+/-45.532 χ^2/NDF: 2370.8/51

All: 78.324+/-31.382 χ^2/NDF: 7508.3/105

- sign 167.411+/-43.312 χ^2/NDF: 5128.6/53

asym_bpm0i07WS_rms vs Slug



Right In: 260.570+/-0.057 χ^2/NDF: 10594035.2/26

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 248.632+/-0.052 χ^2/NDF: 9366590.5/30

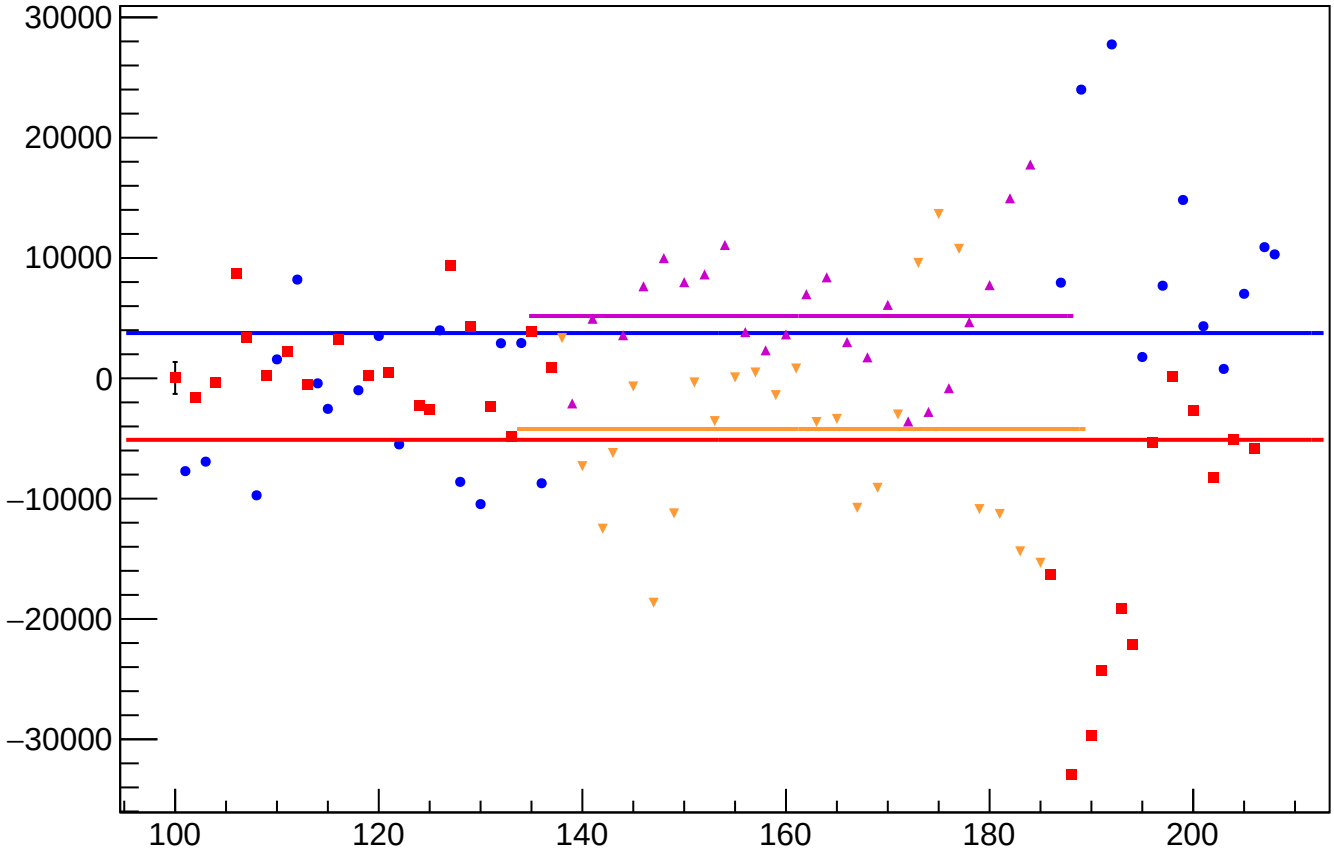
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 245.234+/-0.032 χ^2/NDF: 11266051.4/51

All: 238.625+/-0.022 χ^2/NDF: 21419877.6/10

- sign 232.644+/-0.031 χ^2/NDF: 10073546.6/53

asym_bpm1i02WS_mean vs Slug



Right In: 3761.806+/-34.789 χ^2/NDF: 79372.0/26

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5111.560+/-33.402 χ^2/NDF: 102903.5/30

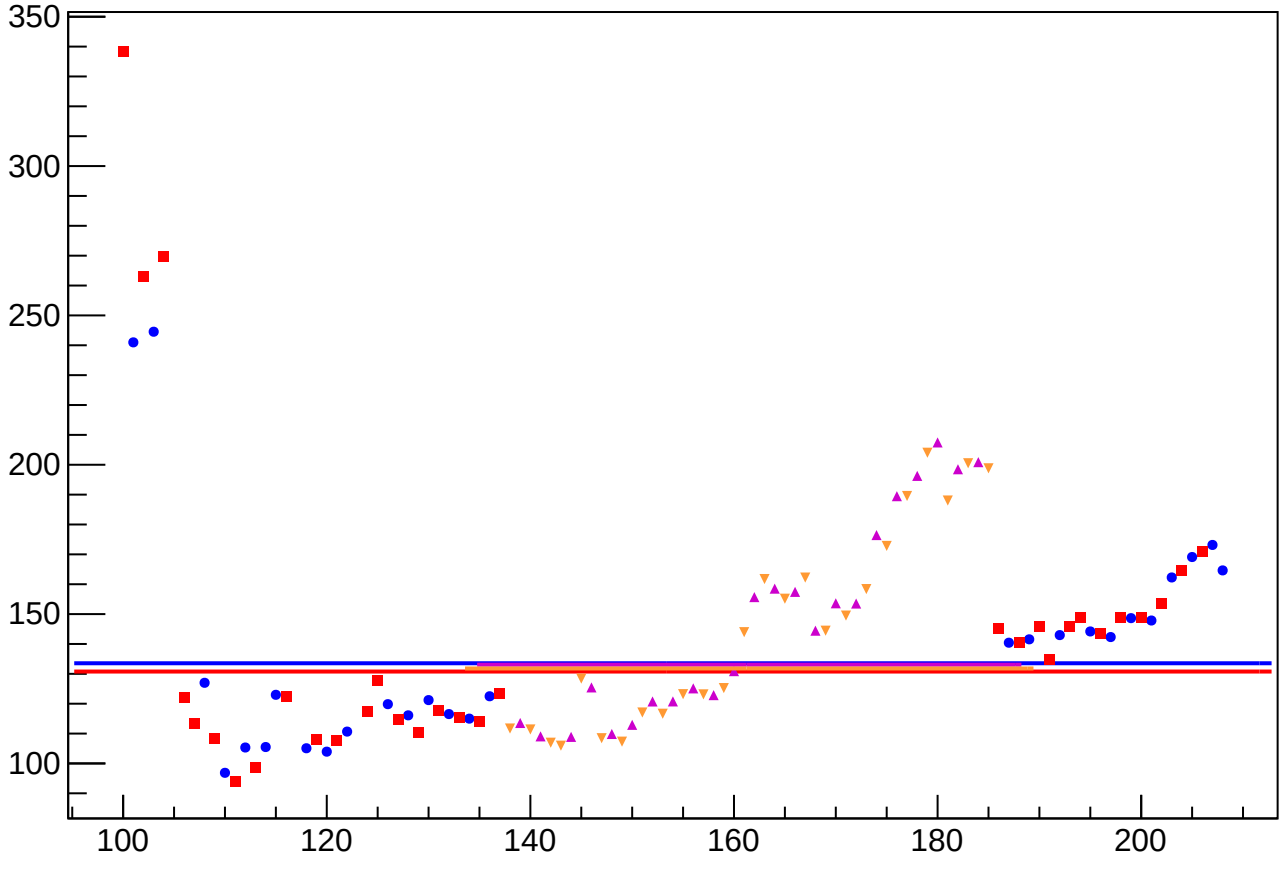
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -703.858+/-23.073 χ^2/NDF: 165591.5/51

All: -223.070+/-16.323 χ^2/NDF: 337435.1/10

- sign 258.670+/-23.095 χ^2/NDF: 170974.3/53

asym_bpm1i02WS_rms vs Slug



Right In: 133.541+/-0.025 χ^2/NDF: 1285490.1/26

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 130.767+/-0.024 χ^2/NDF: 1445766.6/30

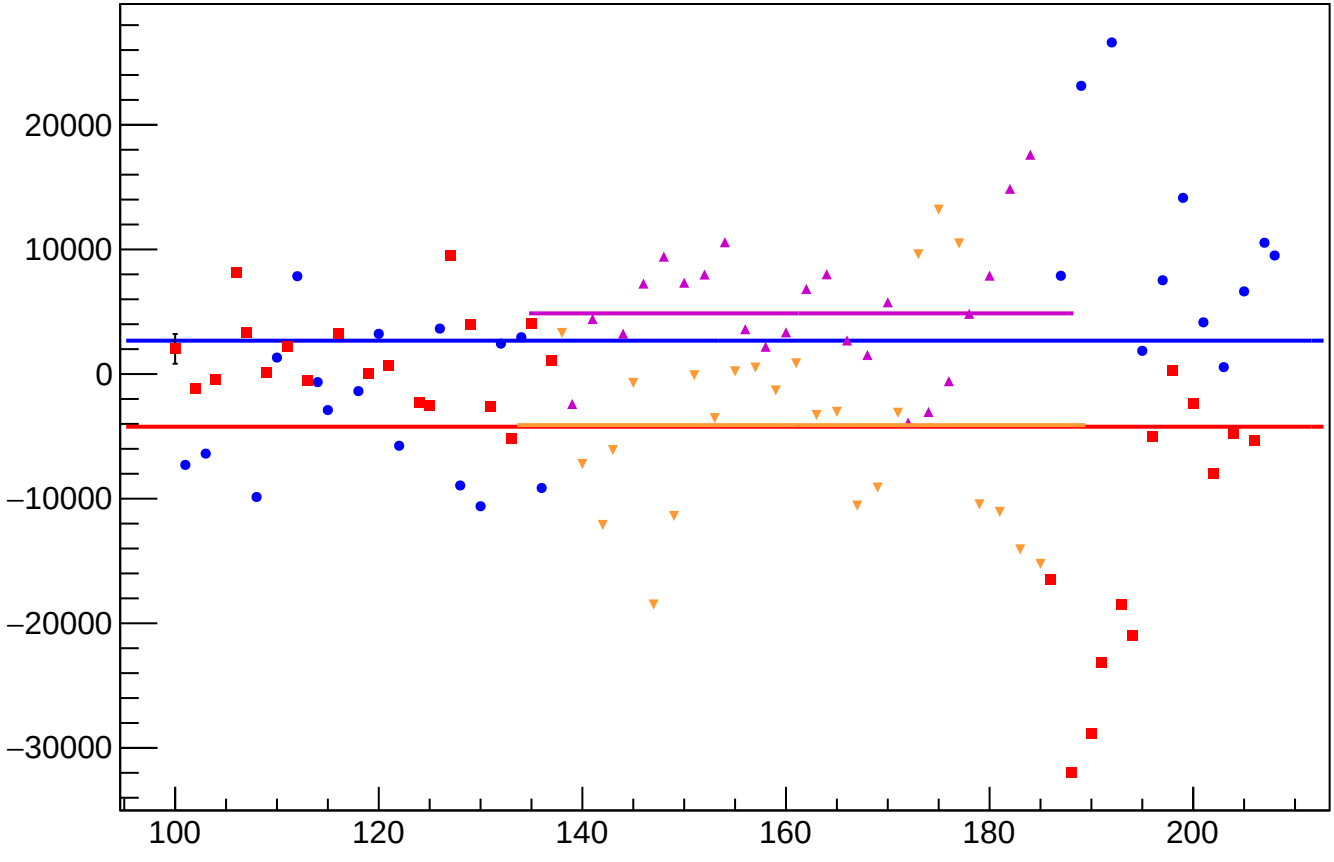
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 132.564+/-0.016 χ^2/NDF: 2832643.3/51

All: 132.265+/-0.012 χ^2/NDF: 5702263.9/105

- sign 131.964+/-0.016 χ^2/NDF: 2868944.8/53

asym_bpm2i01WS_mean vs Slug



Right In: 2678.910+/-31.830 χ^2/NDF: 87059.1/26

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4225.974+/-30.697 χ^2/NDF: 108643.9/30

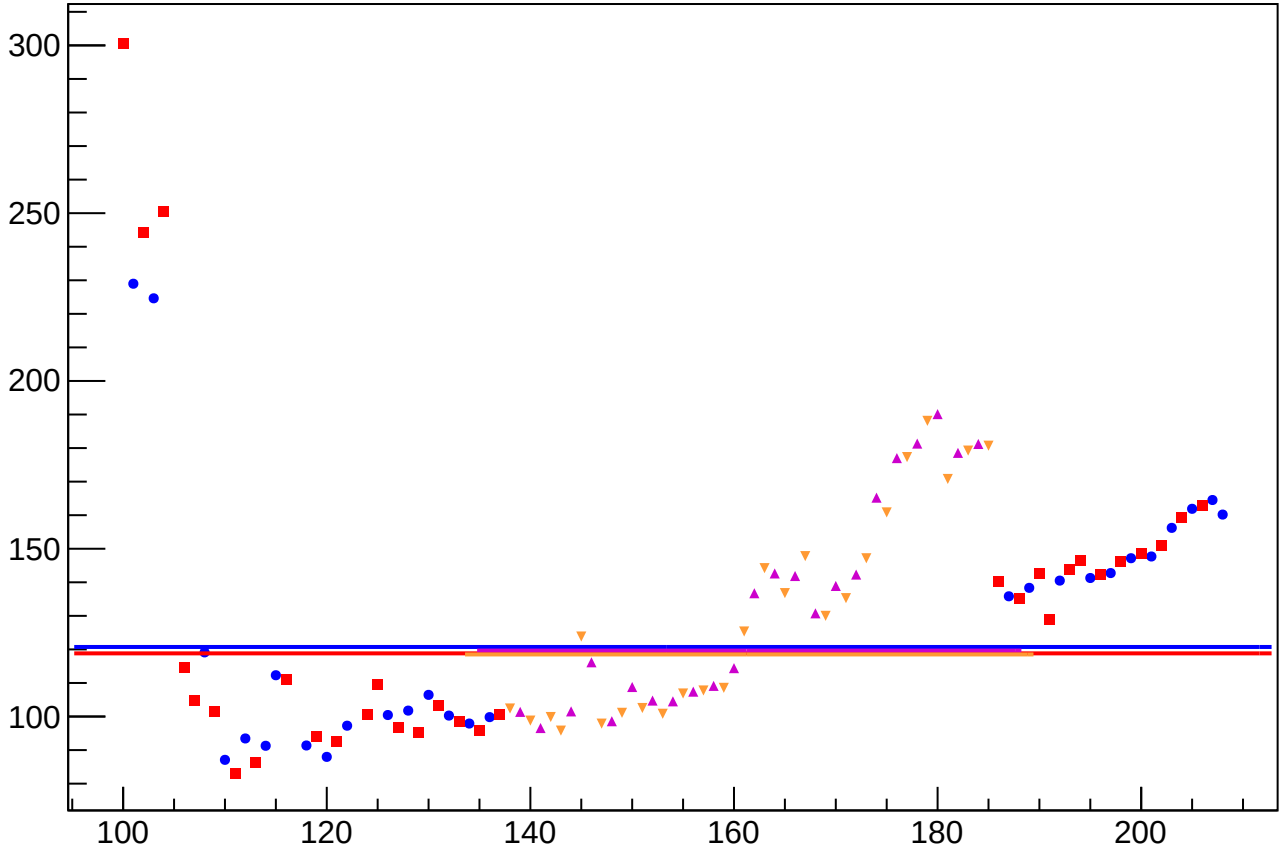
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -1169.430+/-20.926 χ^2/NDF: 179074.8/51

All: -283.023+/-14.825 χ^2/NDF: 359916.4/10

- sign 610.220+/-21.007 χ^2/NDF: 177239.2/53

asym_bpm2i01WS_rms vs Slug



Right In: 120.729+/-0.023 χ^2/NDF: 1896989.2/26

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 118.822+/-0.022 χ^2/NDF: 2031933.7/30

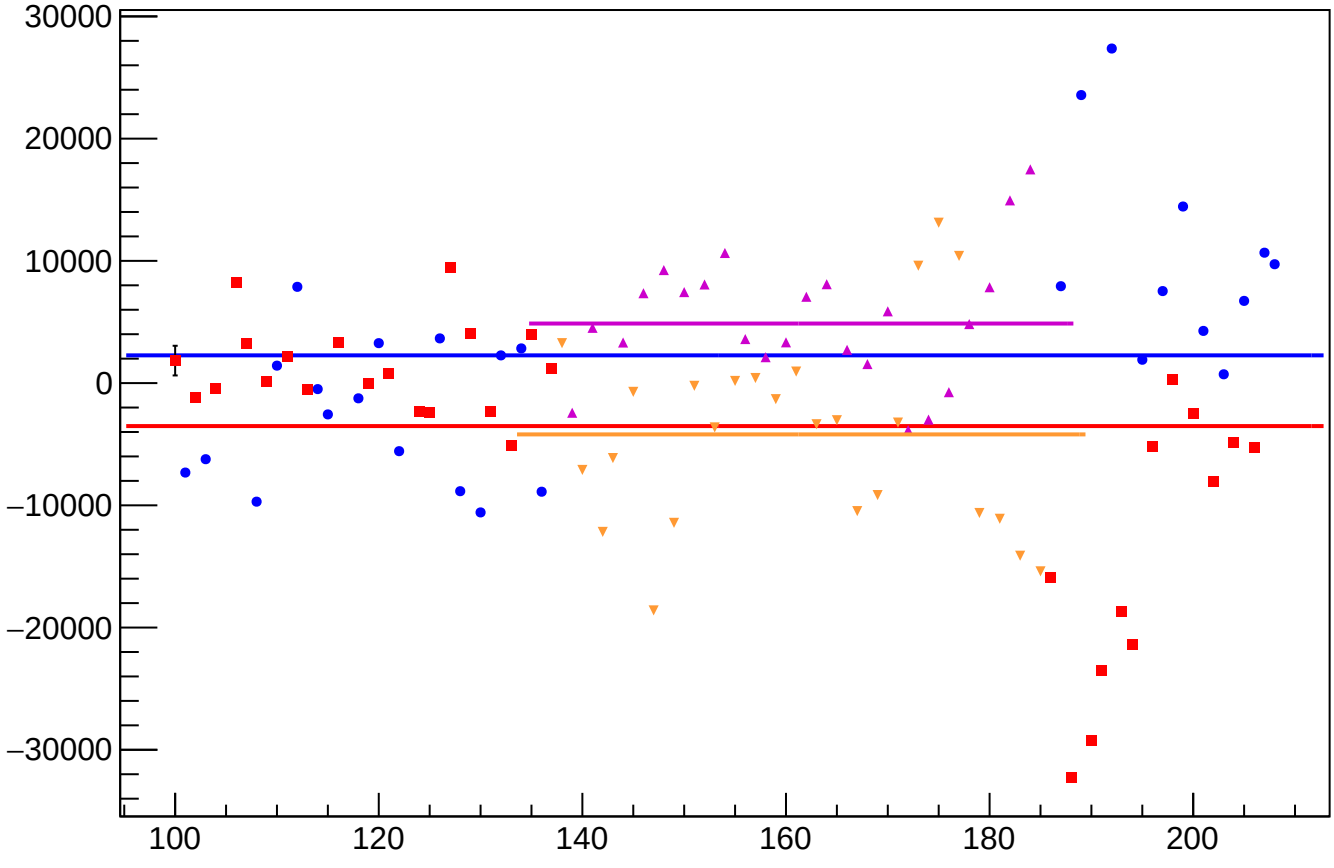
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 119.464+/-0.015 χ^2/NDF: 3529687.7/51

All: 119.362+/-0.010 χ^2/NDF: 7074862.5/105

- sign 119.259+/-0.015 χ^2/NDF: 3545079.2/53

asym_bpm2i02WS_mean vs Slug



Right In: 2270.148+/-31.429 χ^2/NDF: 86087.3/26

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -3516.261+/-30.302 χ^2/NDF: 102022.0/30

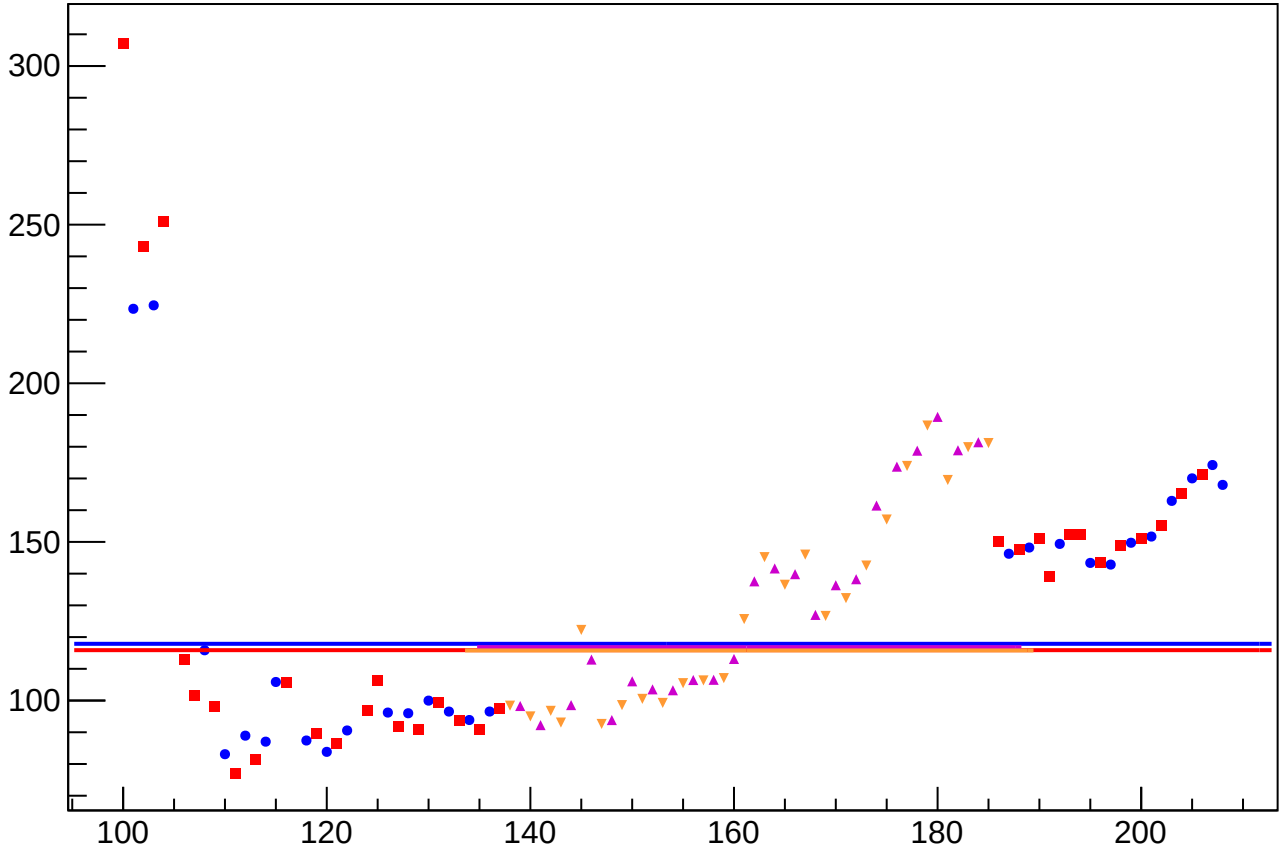
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

\+ sign -1426.490+/-20.572 χ^2/NDF: 180706.6/51

All: -227.739+/-14.572 χ^2/NDF: 353543.3/10

\- sign 979.391+/-20.644 χ^2/NDF: 166021.8/53

asym_bpm2i02WS_rms vs Slug



Right In: 117.883+/-0.022 χ^2/NDF: 2432895.1/26

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

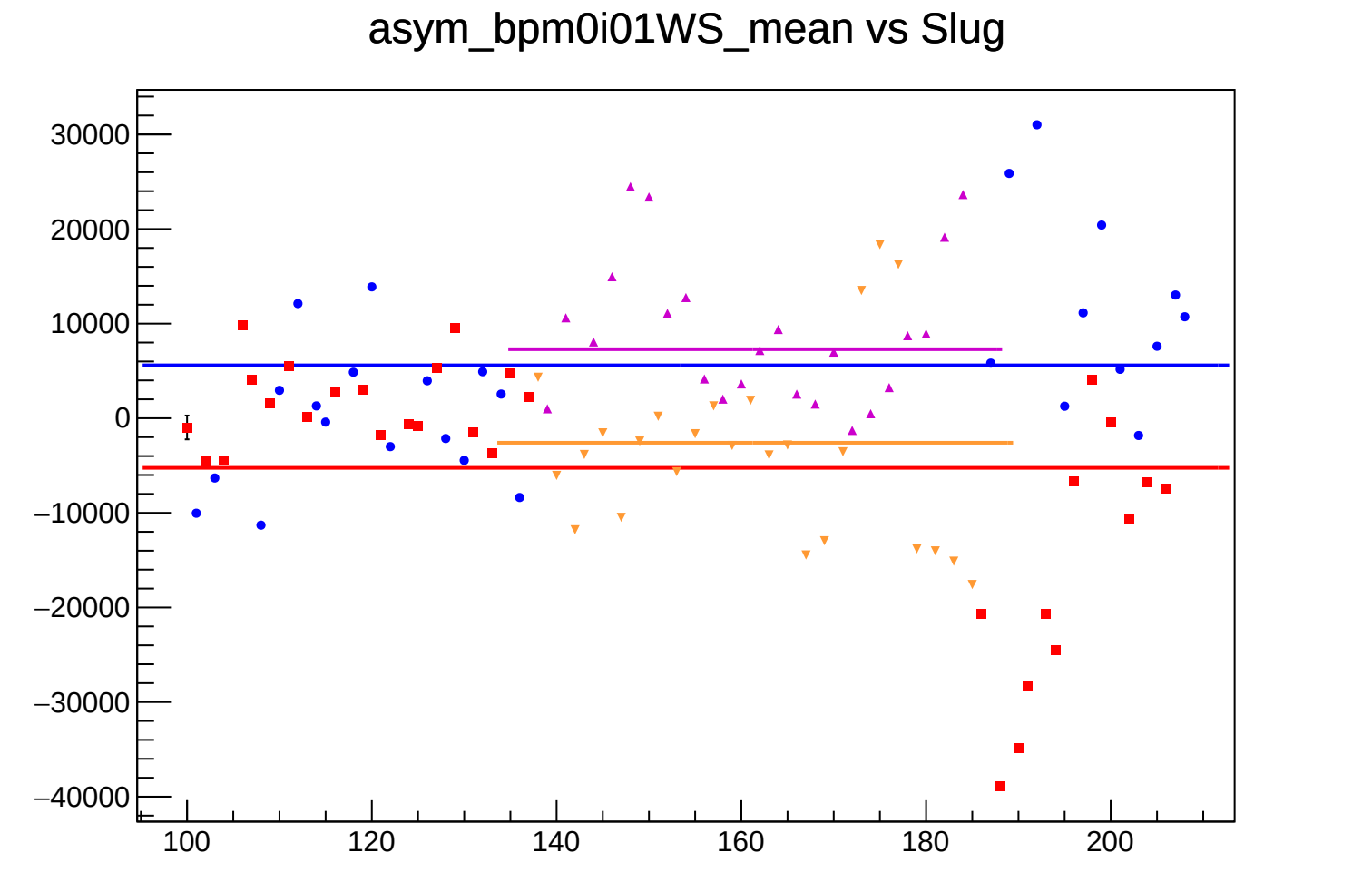
Right Out: 115.880+/-0.021 χ^2/NDF: 2660984.2/30

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 116.691+/-0.015 χ^2/NDF: 4186945.4/51

All: 116.535+/-0.010 χ^2/NDF: 8466814.3/105

- sign 116.377+/-0.015 χ^2/NDF: 4279637.2/53



Right In: 5591.493+/-41.672 χ^2/NDF: 64369.9/26

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -5243.191+/-40.419 χ^2/NDF: 97097.4/30

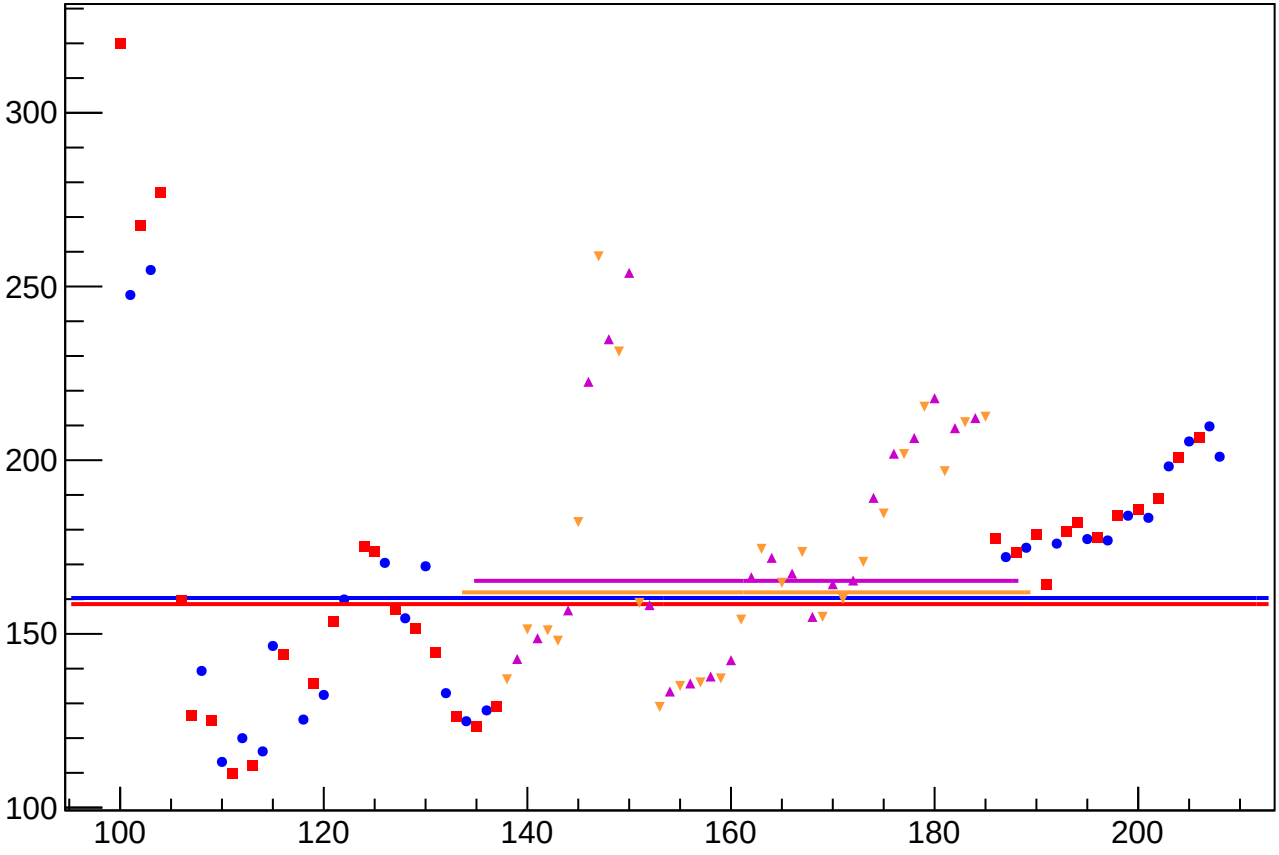
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

\+ sign 1085.454+/-27.934 χ^2/NDF: 133597.3/51

All: 1121.617+/-19.873 χ^2/NDF: 304578.9/10

\- sign 1158.676+/-28.278 χ^2/NDF: 170978.3/53

asym_bpm0i01WS_rms vs Slug



Right In: 160.334+/-0.029 χ^2/NDF: 1356307.5/26

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 158.575+/-0.029 χ^2/NDF: 1465348.7/30

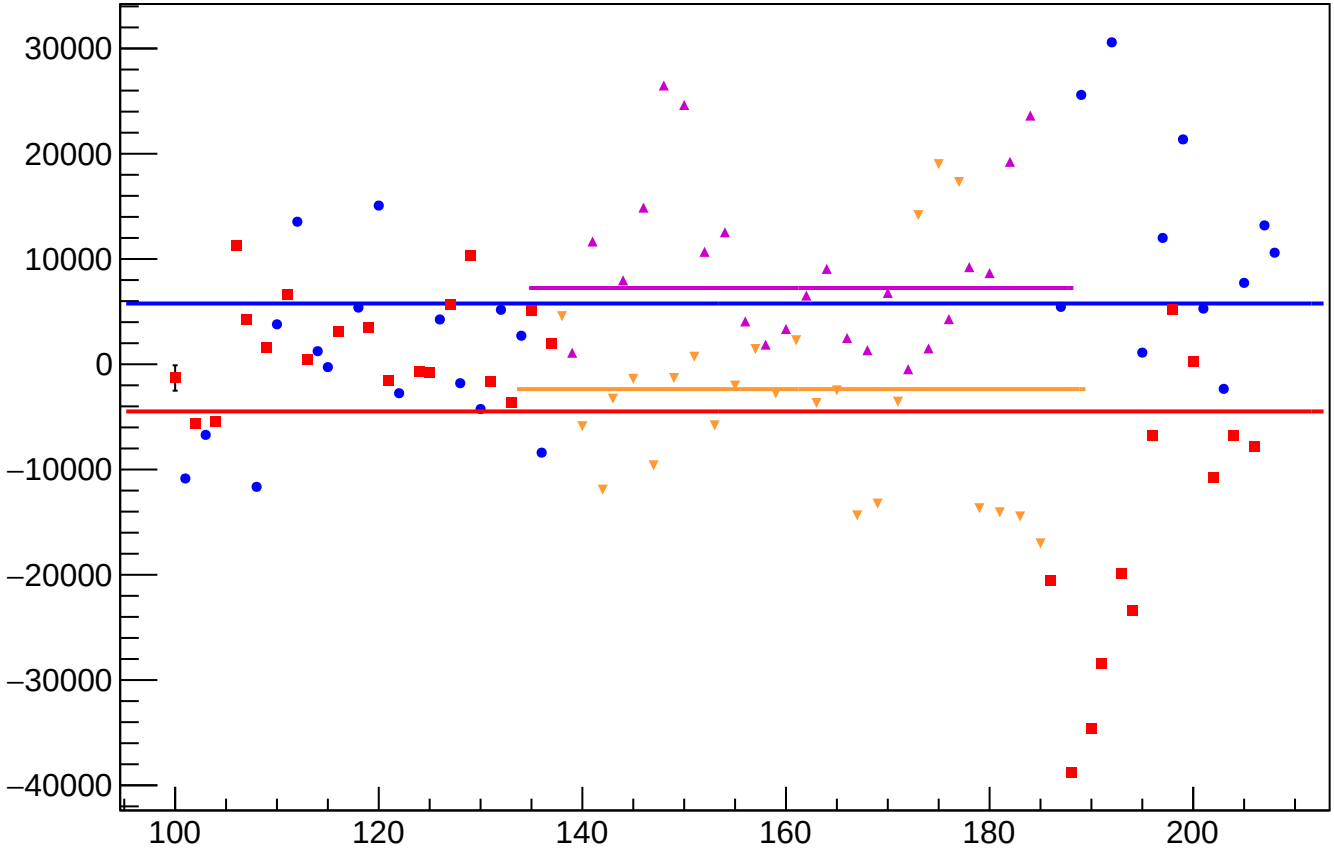
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 161.228+/-0.020 χ^2/NDF: 2502785.8/51

All: 161.606+/-0.014 χ^2/NDF: 5176004.0/105

- sign 161.994+/-0.020 χ^2/NDF: 2672474.3/53

asym_bpm0i01aWS_mean vs Slug



Right In: 5772.337+/-35.382 χ^2/NDF: 89819.3/26

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -4481.238+/-34.092 χ^2/NDF: 134969.8/30

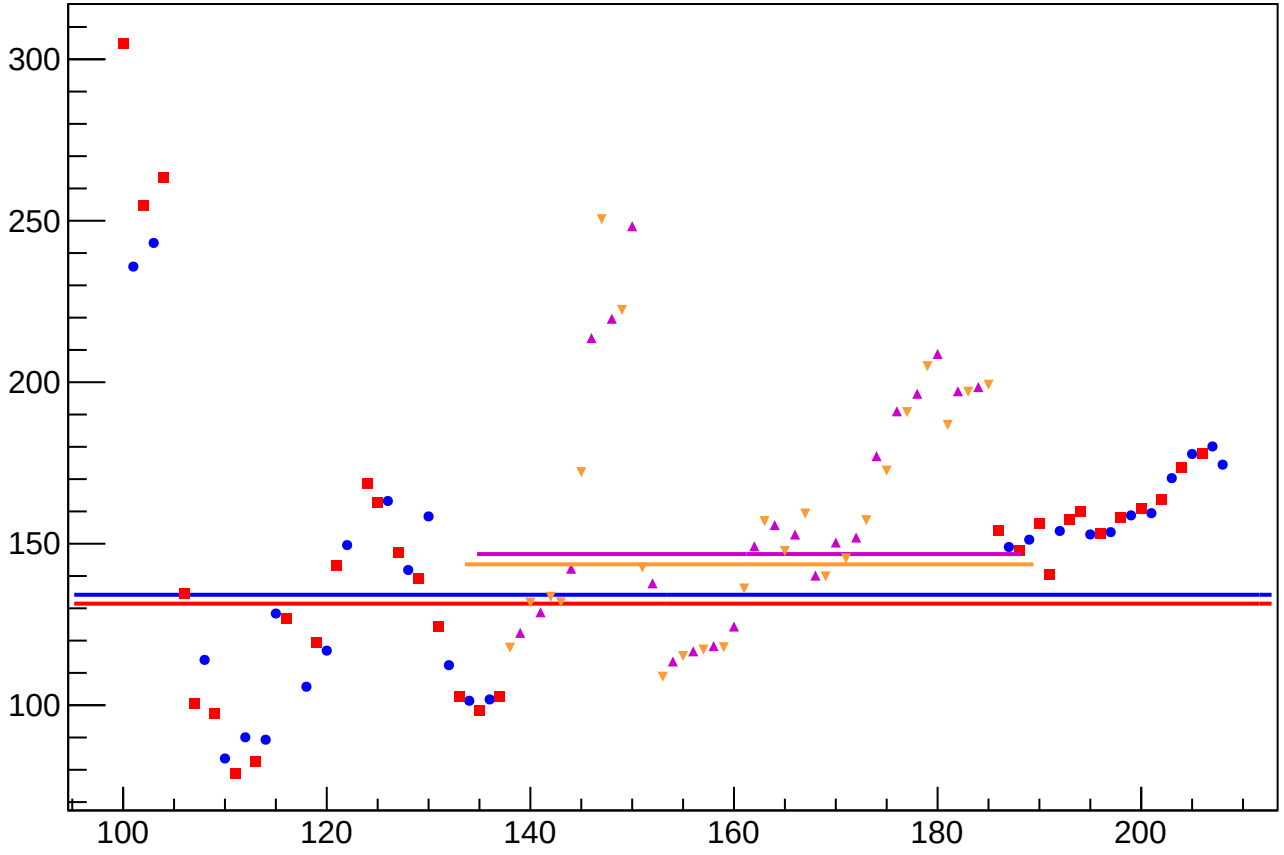
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign 1505.487+/-24.395 χ^2/NDF: 176105.9/51

All: 1325.933+/-17.319 χ^2/NDF: 398379.3/10

- sign 1143.469+/-24.592 χ^2/NDF: 222164.1/53

asym_bpm0i01aWS_rms vs Slug



Right In: 134.191+/-0.025 χ^2/NDF: 2030757.4/26

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 131.444+/-0.024 χ^2/NDF: 2314001.0/30

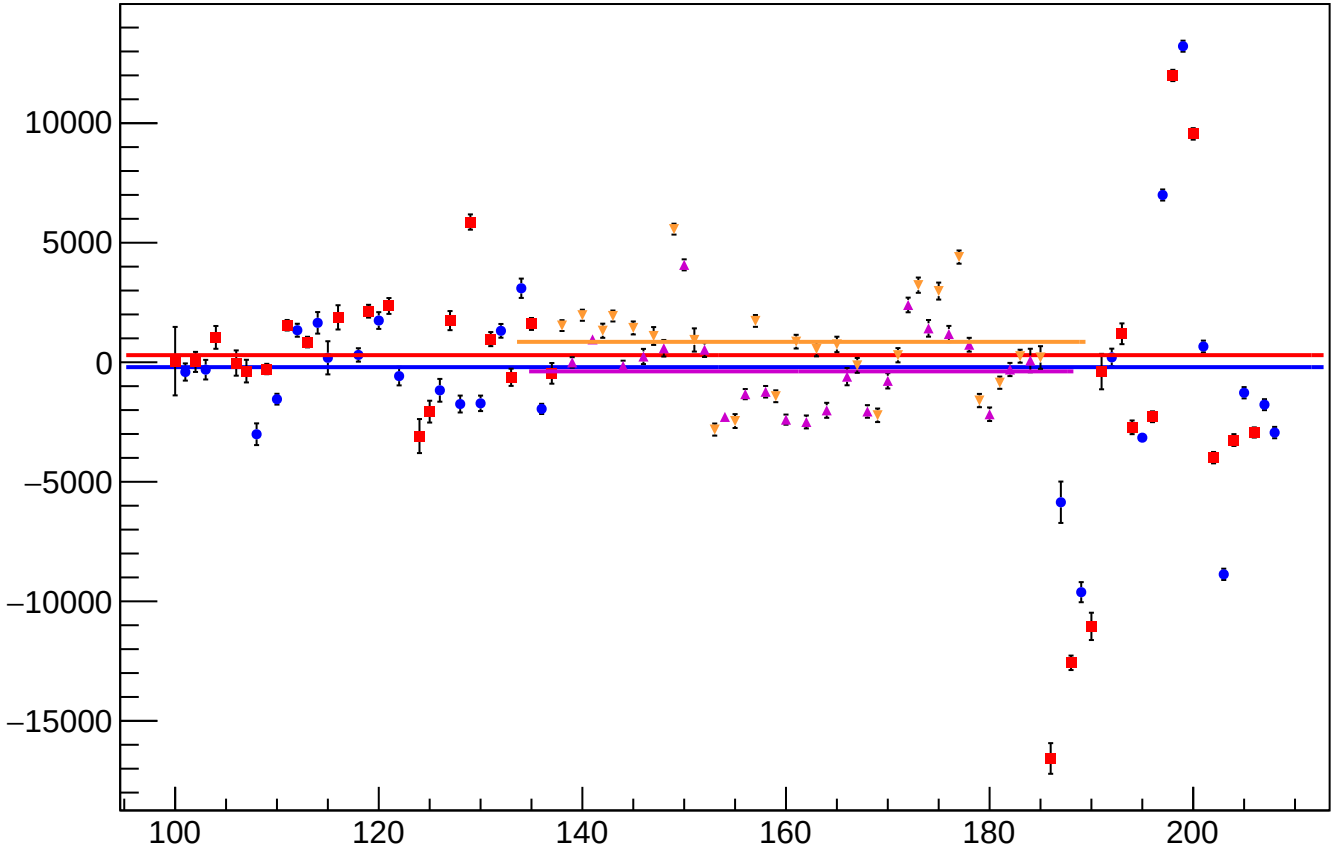
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 139.139+/-0.017 χ^2/NDF: 3768138.9/51

All: 138.974+/-0.012 χ^2/NDF: 7971315.6/105

- sign 138.807+/-0.017 χ^2/NDF: 4202993.0/53

asym_bpm0l01WS_mean vs Slug



Right In: -204.192+/-56.659 χ^2/NDF: 6999.3/26

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 297.650+/-56.088 χ^2/NDF: 8397.9/30

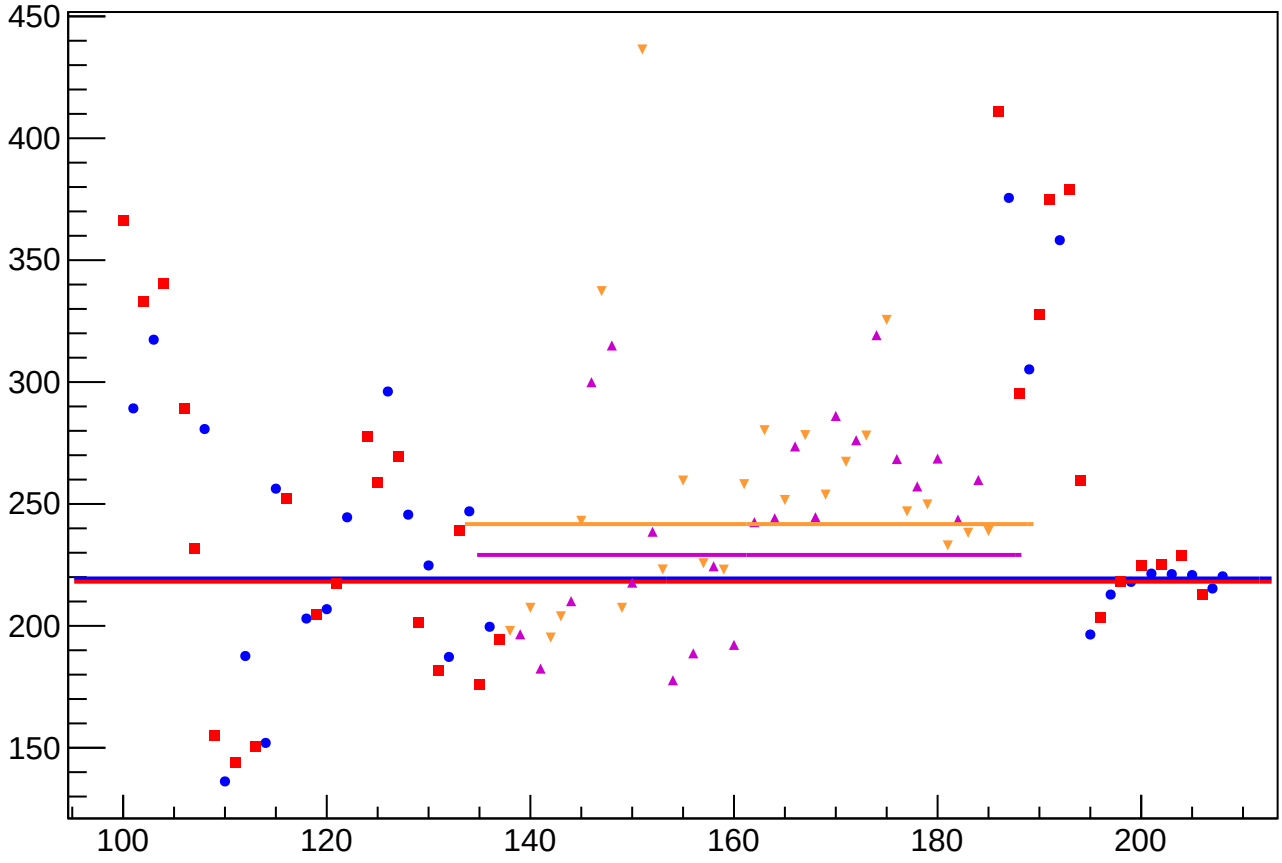
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 328.822+/-39.914 χ^2/NDF: 8618.9/51

All: 137.877+/-28.011 χ^2/NDF: 18118.7/105

- sign -47.419+/-39.319 χ^2/NDF: 9454.7/53

asym_bpm0l01WS_rms vs Slug



Right In: 219.441+/-0.040 χ^2/NDF: 1172101.1/26

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 218.128+/-0.040 χ^2/NDF: 1910079.4/30

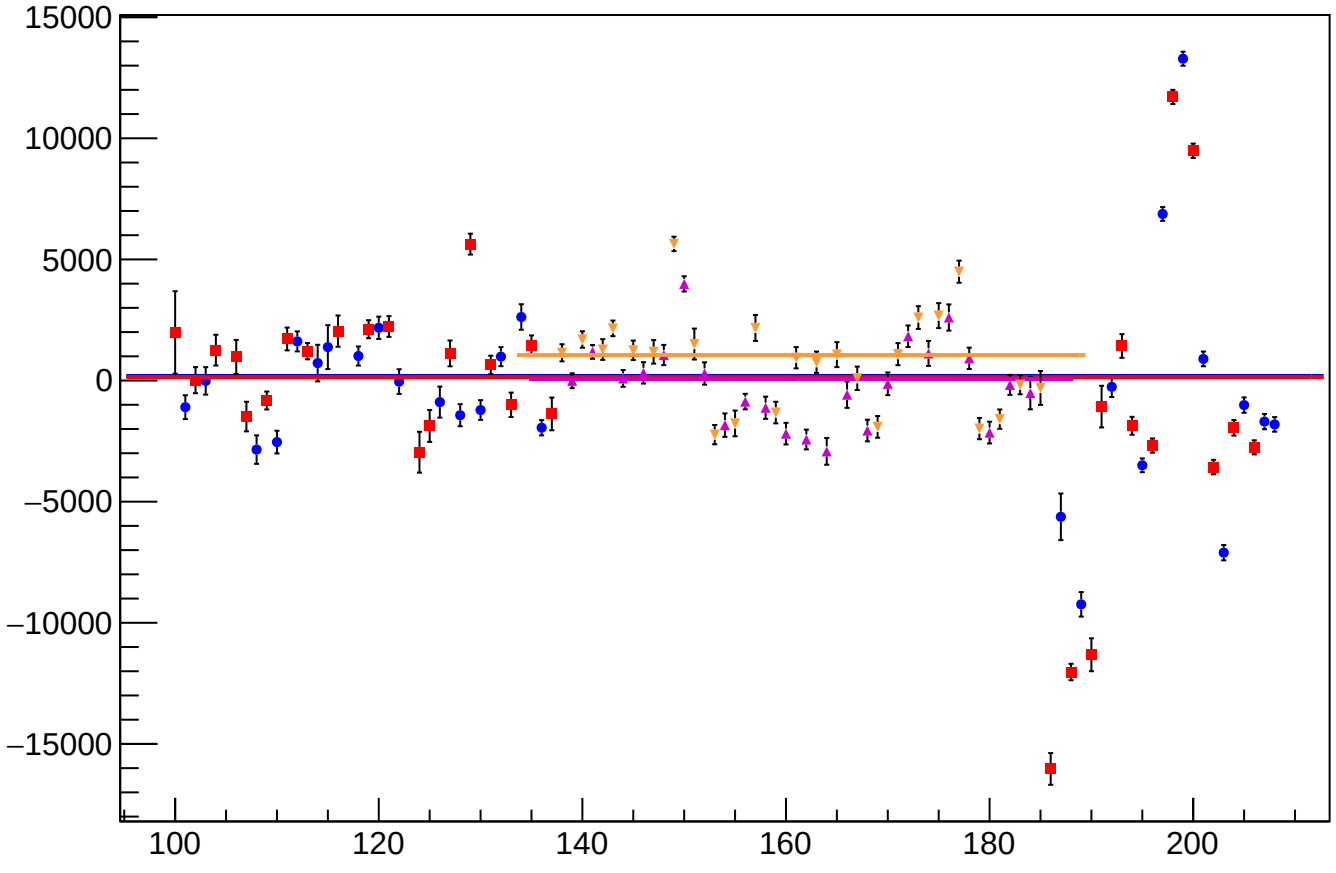
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 230.677+/-0.028 χ^2/NDF: 2314630.3/51

All: 227.141+/-0.020 χ^2/NDF: 5363541.6/105

- sign 223.710+/-0.028 χ^2/NDF: 3017985.5/53

asym_bpm0l02WS_mean vs Slug



Right In: 189.174+/-76.480 χ^2/NDF: 3970.8/26

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 140.408+/-76.310 χ^2/NDF: 5478.2/30

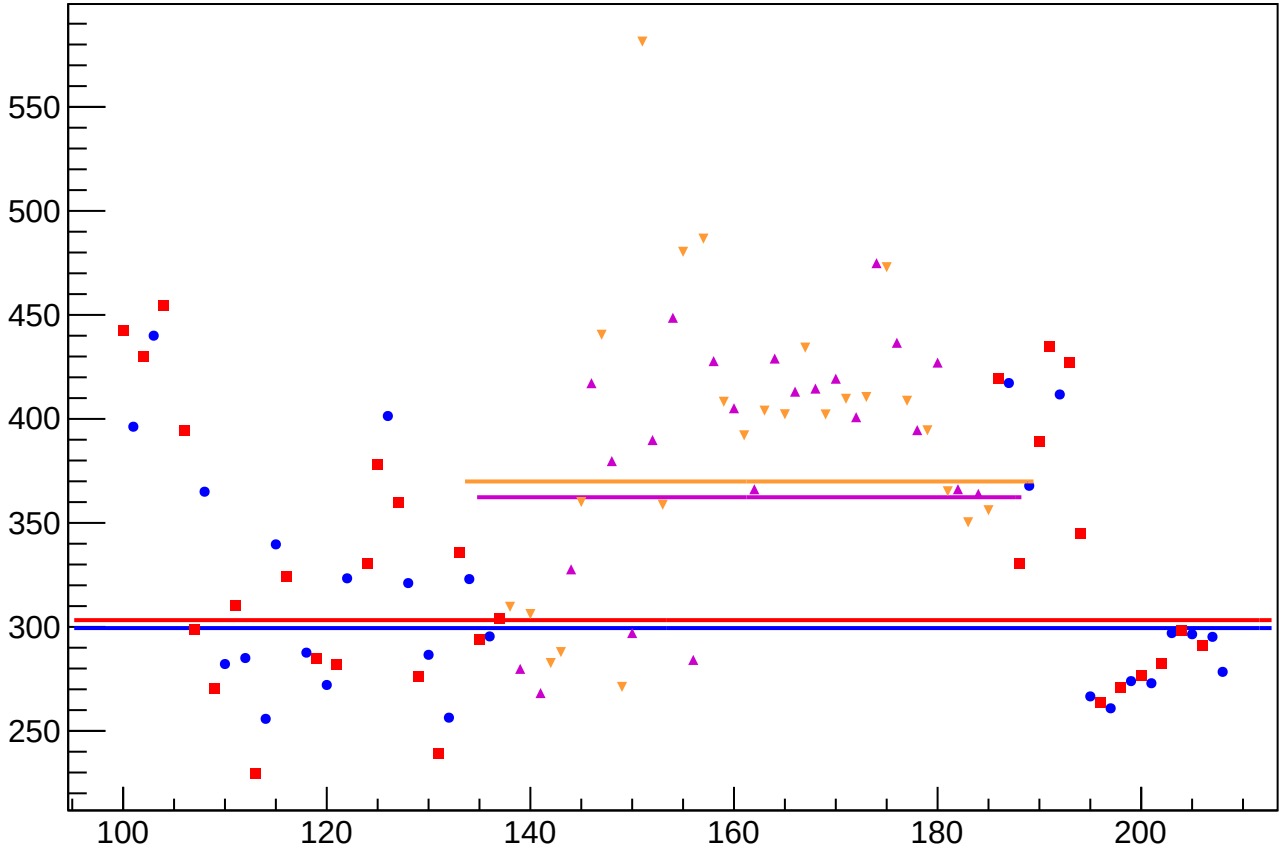
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 571.321+/-57.119 χ^2/NDF: 4641.9/51

All: 339.934+/-40.443 χ^2/NDF: 10547.9/105

- sign 107.319+/-57.271 χ^2/NDF: 5873.1/53

asym_bpm0l02WS_rms vs Slug



Right In: 299.440+/-0.054 χ^2/NDF: 654535.1/26

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 303.261+/-0.054 χ^2/NDF: 920406.1/30

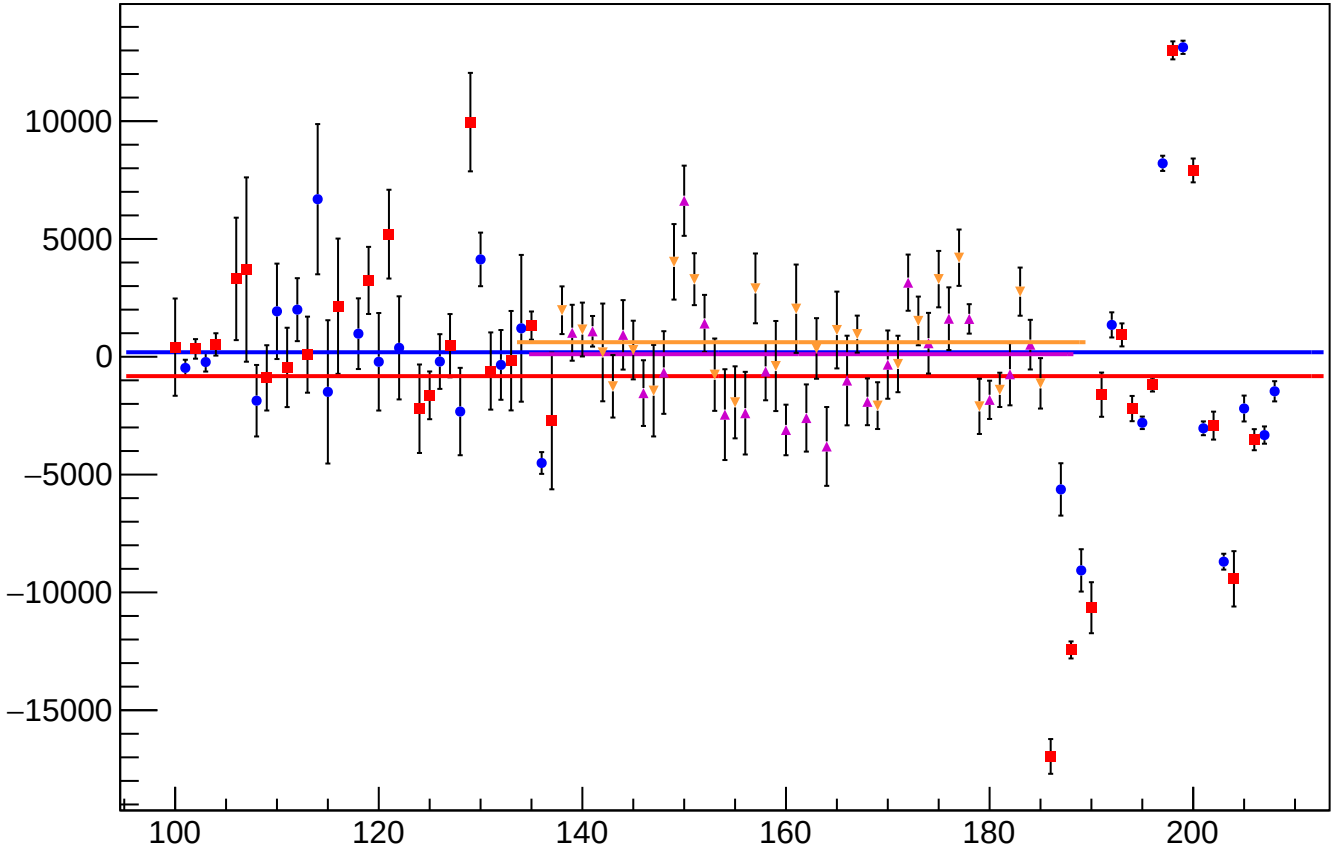
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 330.608+/-0.040 χ^2/NDF: 2636001.3/51

All: 329.838+/-0.029 χ^2/NDF: 5134115.0/105

- sign 329.064+/-0.040 χ^2/NDF: 2497384.3/53

asym_bpm0l03WS_mean vs Slug



Right In: 192.135+/-98.756 χ^2/NDF: 4075.8/26

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -821.557+/-120.827 χ^2/NDF: 3408.4/30

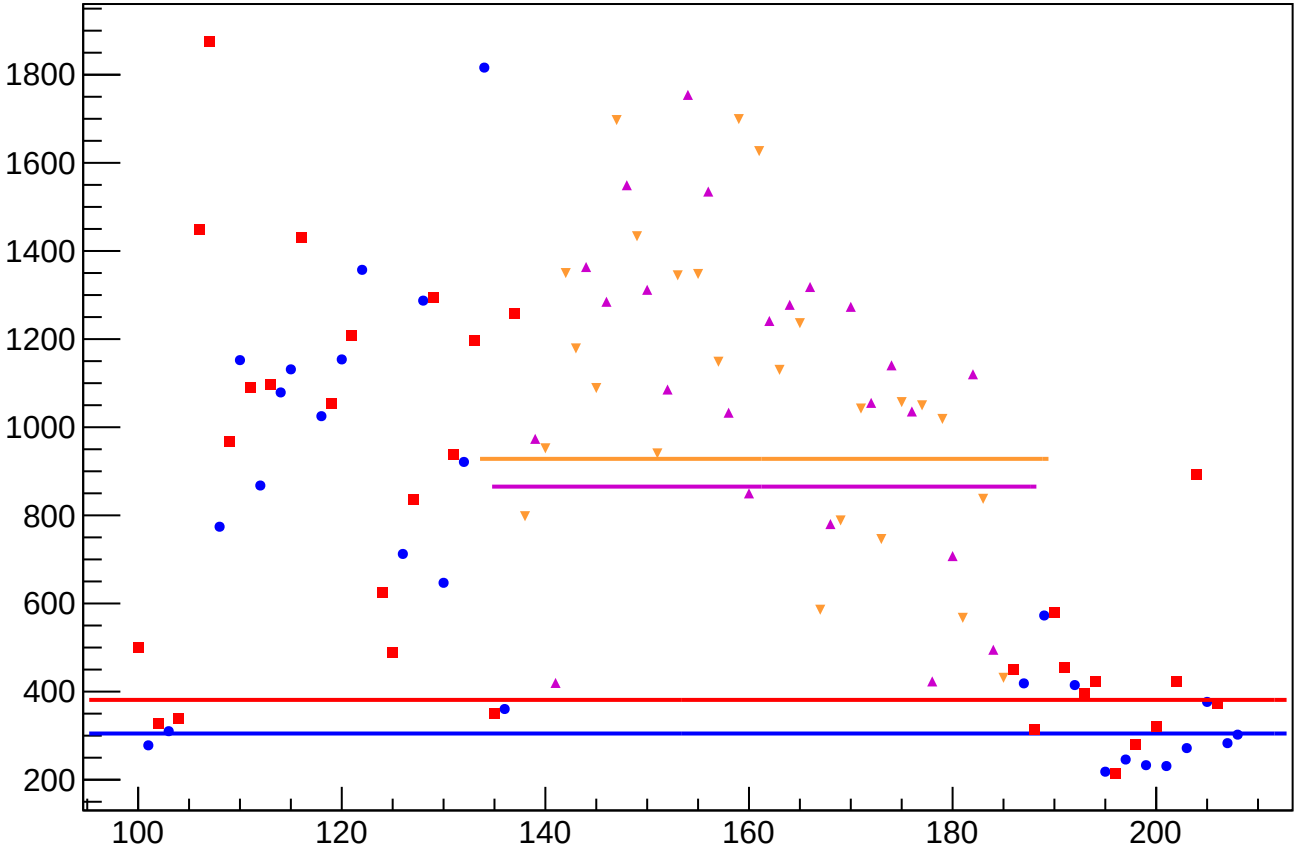
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign 254.701+/-91.224 χ^2/NDF: 4144.3/51

All: -115.009+/-69.615 χ^2/NDF: 7675.9/105

- sign -630.540+/-107.722 χ^2/NDF: 3492.3/53

asym_bpm0l03WS_rms vs Slug



Right In: 304.887+/-0.070 χ^2/NDF: 5152390.9/26

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 381.179+/-0.085 χ^2/NDF: 5666005.6/30

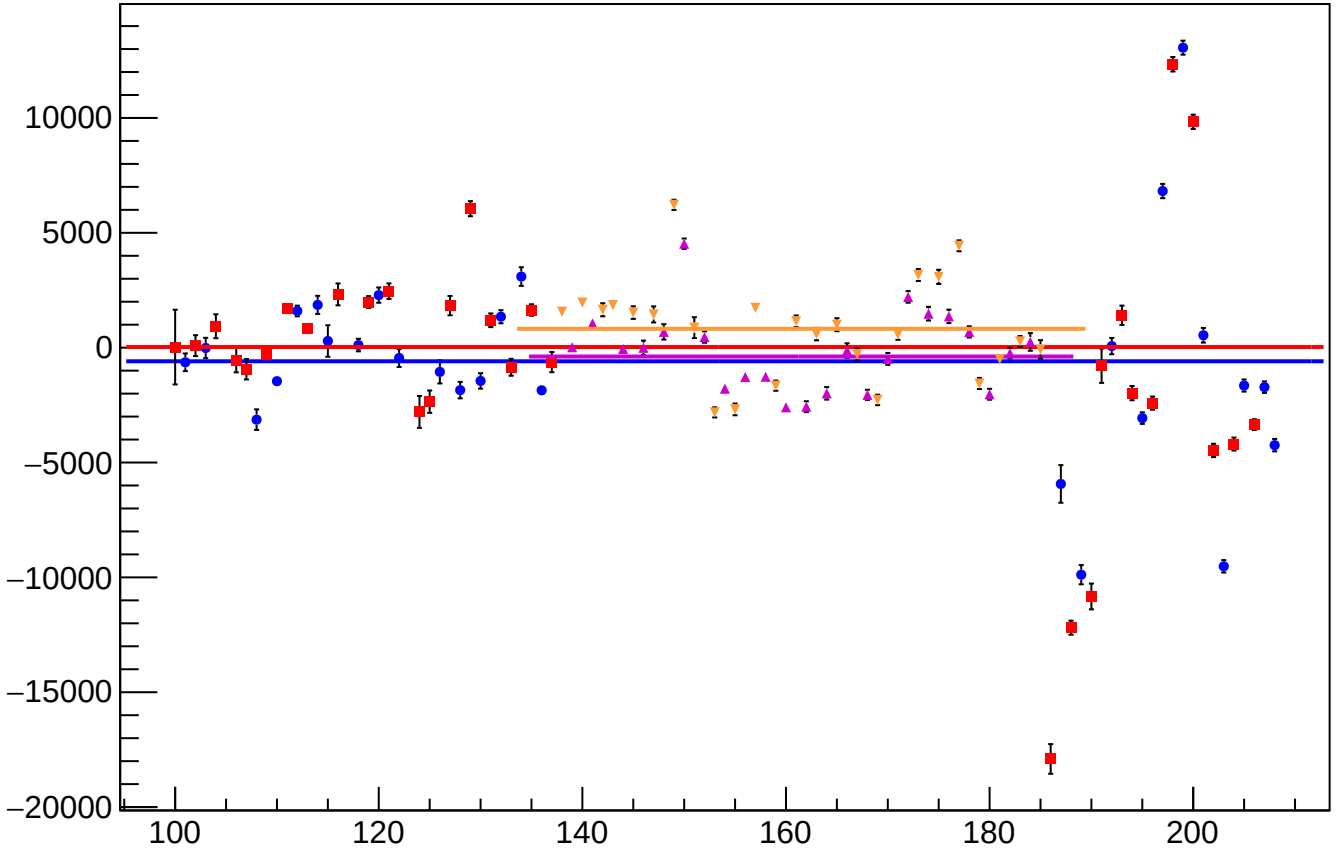
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 396.350+/-0.065 χ^2/NDF: 20138987.8/51

All: 431.488+/-0.049 χ^2/NDF: 37893181.3/10

- sign 480.484+/-0.076 χ^2/NDF: 17043709.7/53

asym_bpm0l04WS_mean vs Slug



Right In: -592.898+/-60.170 χ^2/NDF: 4973.4/26

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 28.454+/-58.087 χ^2/NDF: 6734.8/30

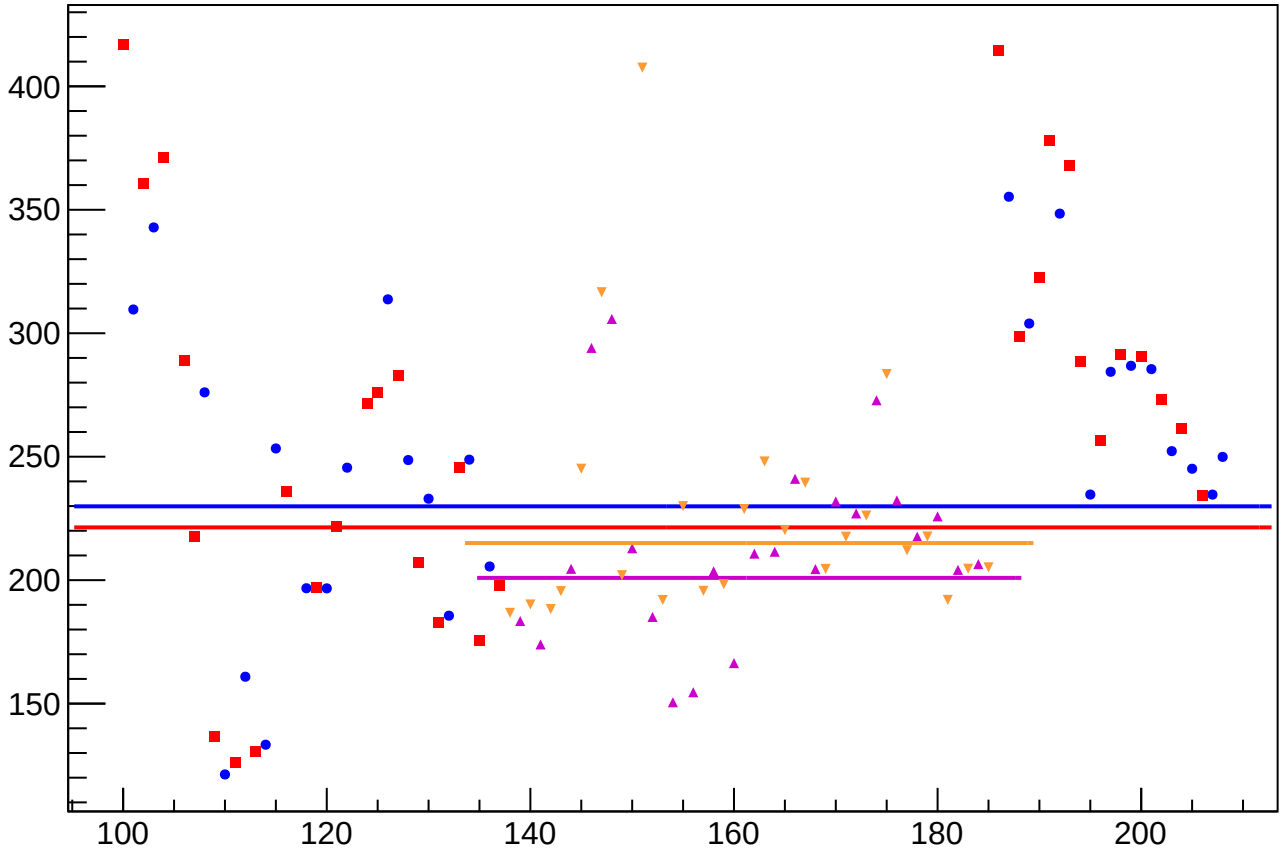
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 243.420+/-38.454 χ^2/NDF: 7290.8/51

All: 6.485+/-26.740 χ^2/NDF: 15382.2/105

- sign -215.352+/-37.209 χ^2/NDF: 8018.0/53

asym_bpm0l04WS_rms vs Slug



Right In: 229.894+/-0.043 χ^2/NDF: 1857757.2/26

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 221.364+/-0.041 χ^2/NDF: 3077790.0/30

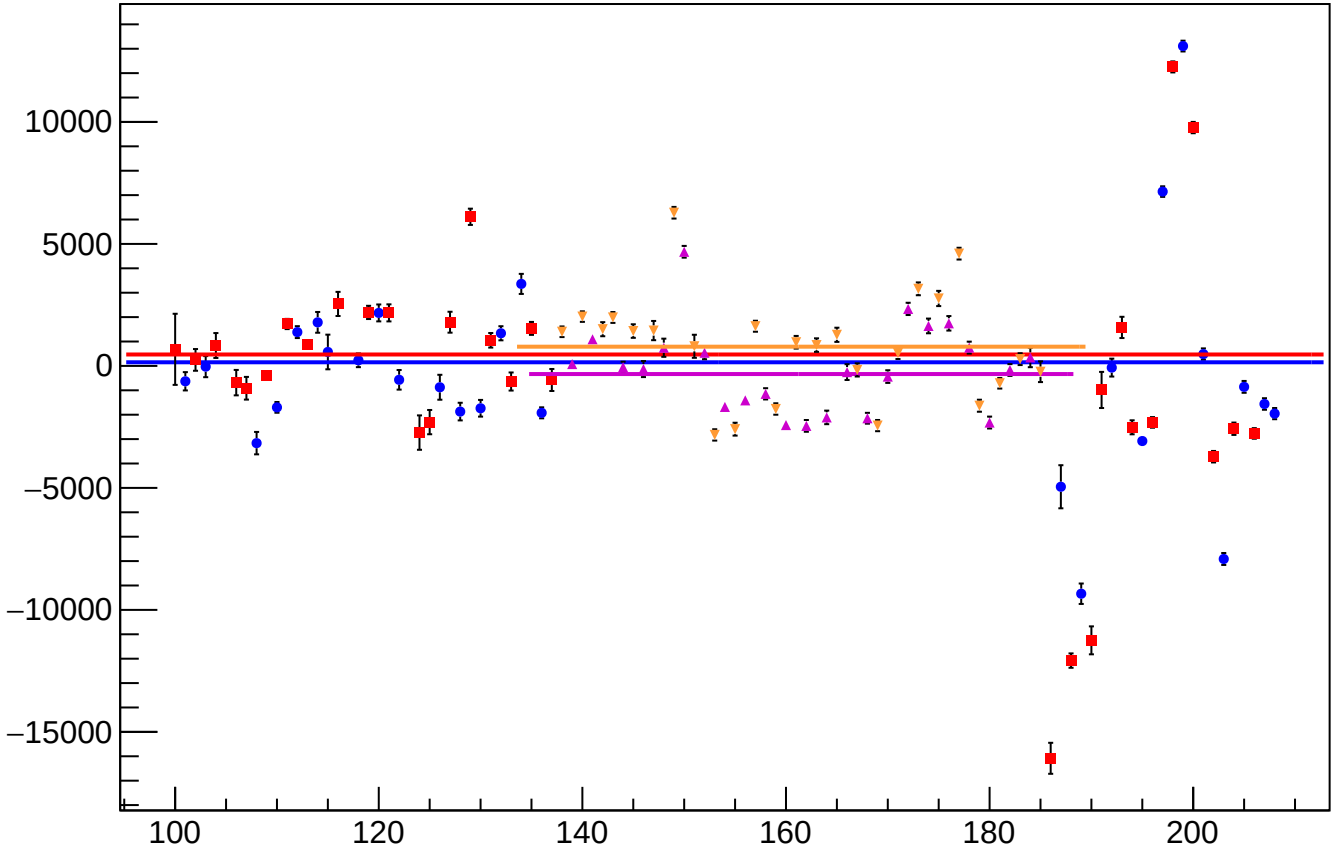
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 221.099+/-0.027 χ^2/NDF: 2827776.8/51

All: 215.009+/-0.019 χ^2/NDF: 7254669.0/105

- sign 209.307+/-0.026 χ^2/NDF: 4329759.9/53

asym_bpm0l05WS_mean vs Slug



Right In: 148.626+/-56.324 χ^2/NDF: 6932.0/26

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 468.136+/-55.587 χ^2/NDF: 8734.4/30

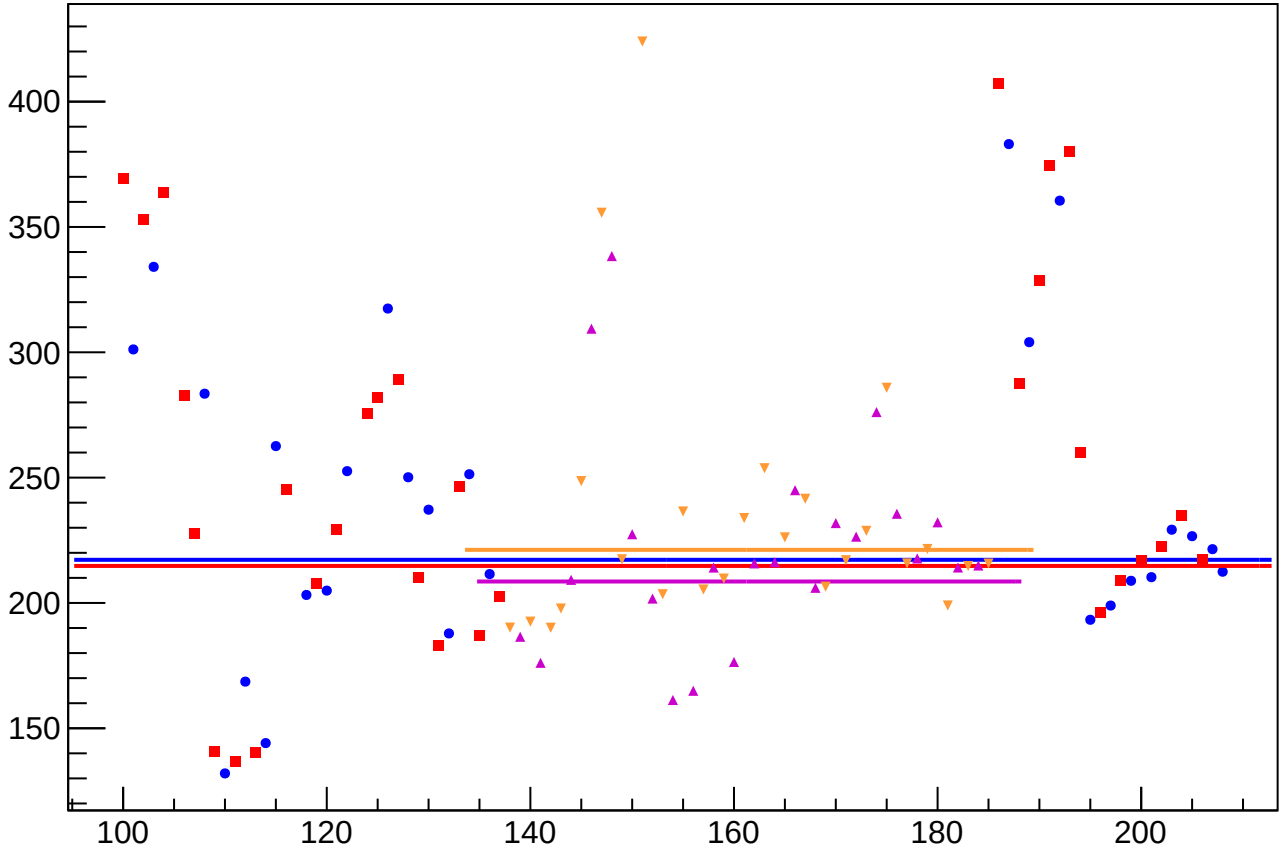
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 497.387+/-37.977 χ^2/NDF: 8892.5/51

All: 257.504+/-26.594 χ^2/NDF: 19034.9/105

- sign 26.669+/-37.254 χ^2/NDF: 10064.1/53

asym_bpm0l05WS_rms vs Slug



Right In: 217.209+/-0.040 χ^2/NDF: 1412015.8/26

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 214.767+/-0.039 χ^2/NDF: 2265258.0/30

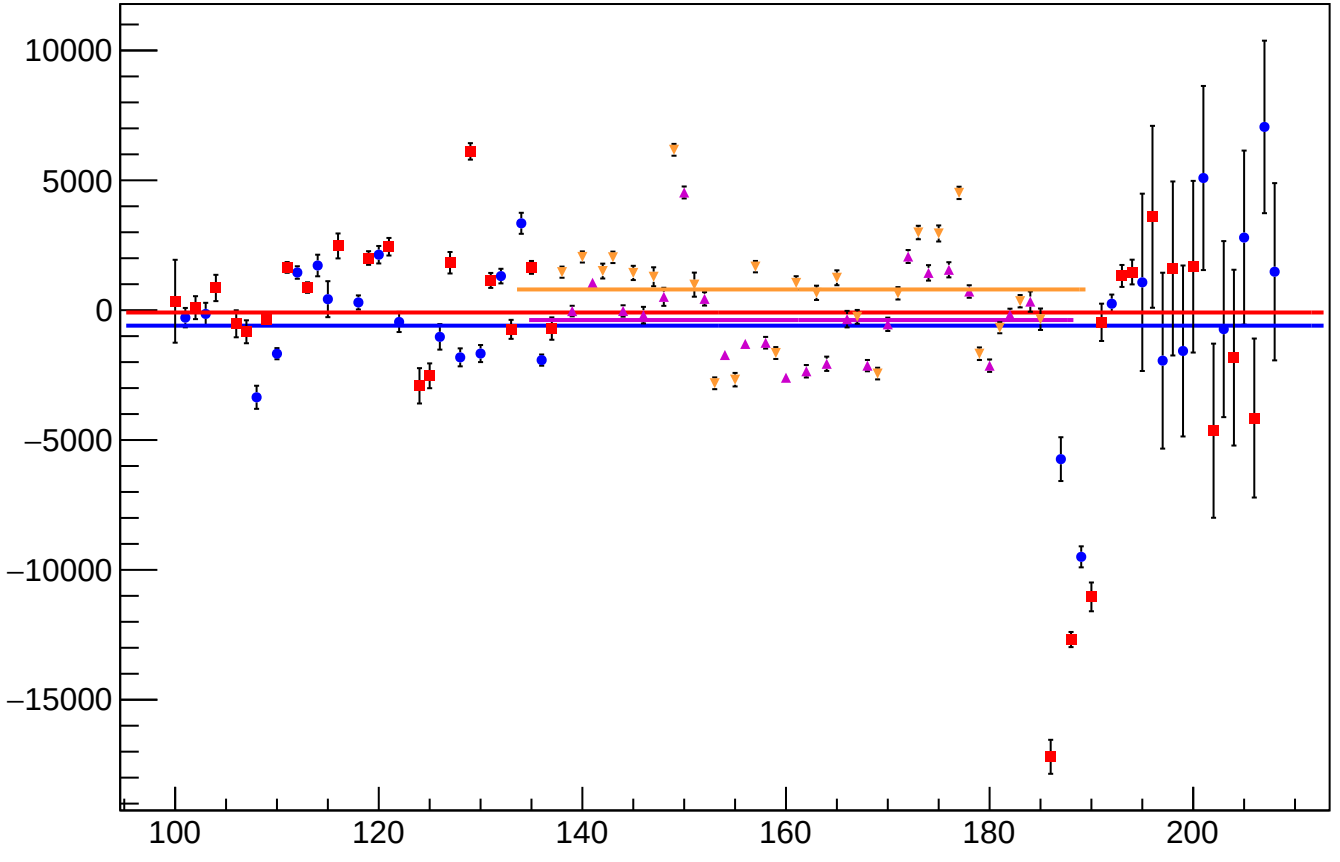
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 219.378+/-0.027 χ^2/NDF: 2356970.6/51

All: 215.285+/-0.019 χ^2/NDF: 5717211.6/105

- sign 211.346+/-0.026 χ^2/NDF: 3314649.0/53

asym_bpm0l06WS_mean vs Slug



Right In: -596.533+/-76.338 χ^2/NDF: 986.3/26

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -89.547+/-68.098 χ^2/NDF: 3735.6/30

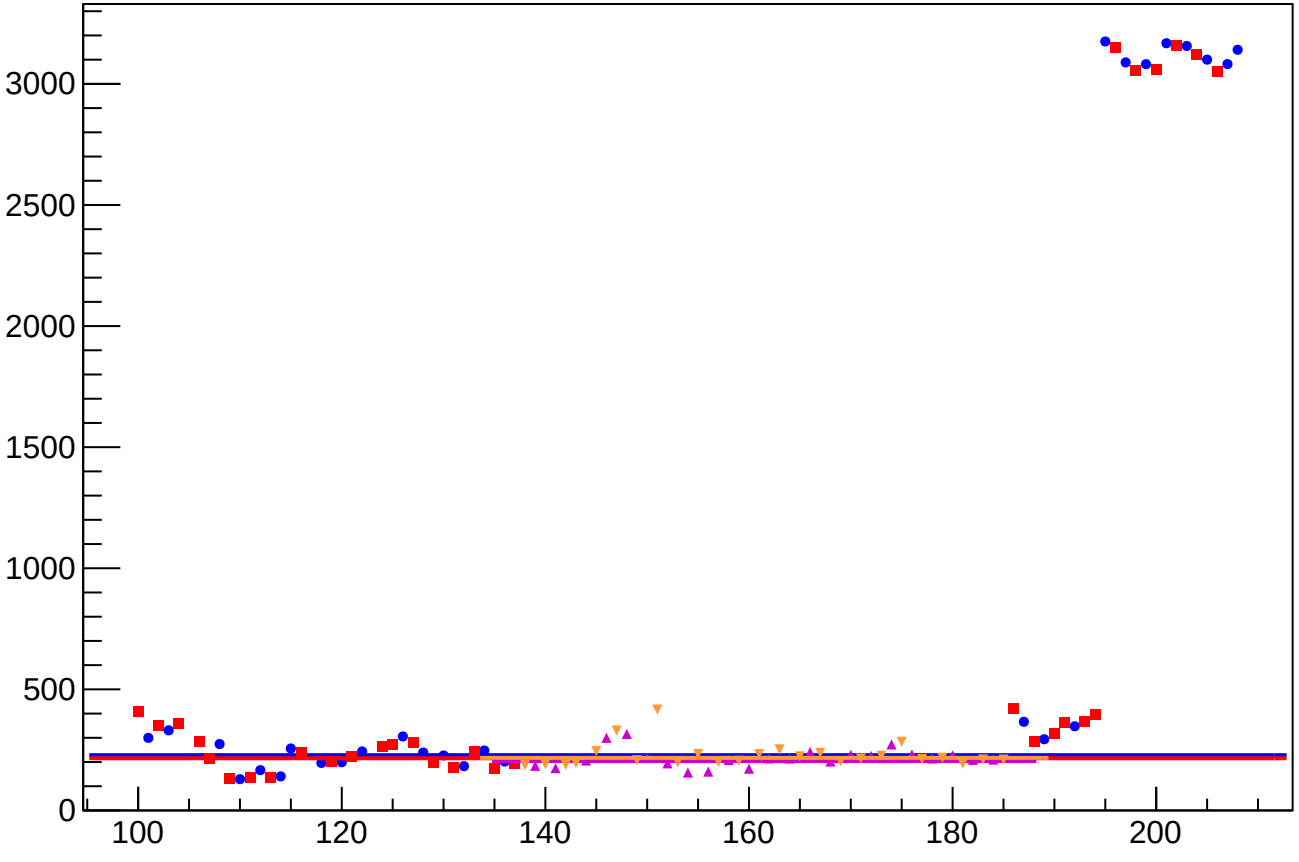
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 373.189+/-42.115 χ^2/NDF: 3179.1/51

All: 28.652+/-28.954 χ^2/NDF: 8254.8/105

- sign -280.152+/-39.872 χ^2/NDF: 4948.8/53

asym_bpm0l06WS_rms vs Slug



Right In: 228.307+/-0.054 χ^2/NDF: 13065257.8/26

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 215.507+/-0.048 χ^2/NDF: 11687841.6/30

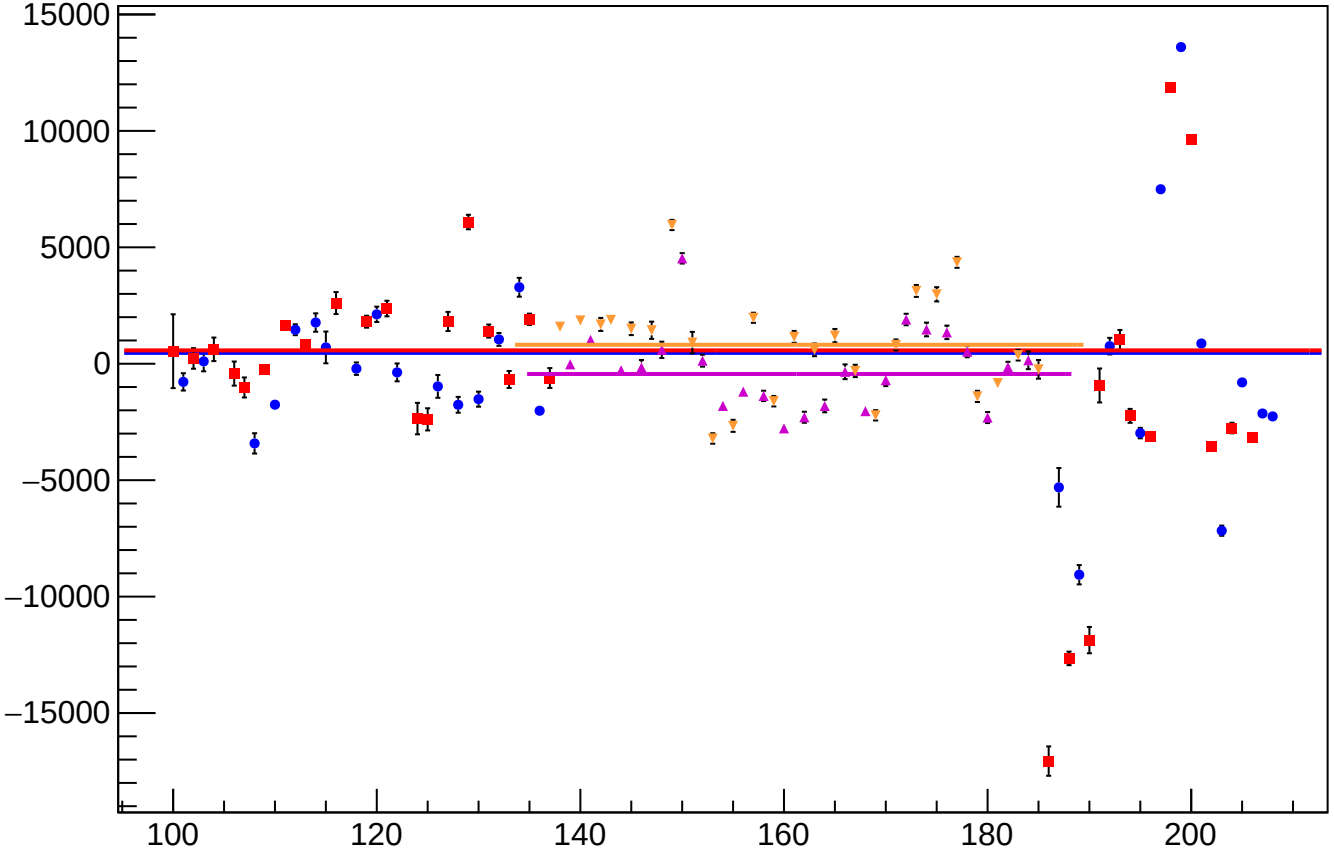
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 220.598+/-0.030 χ^2/NDF: 14005025.4/51

All: 214.032+/-0.020 χ^2/NDF: 26835638.3/10

- sign 208.147+/-0.028 χ^2/NDF: 12738440.1/53

asym_bpm0l07WS_mean vs Slug



Right In: 467.142+/-52.401 χ^2/NDF: 9116.9/26

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 573.929+/-51.678 χ^2/NDF: 10636.8/30

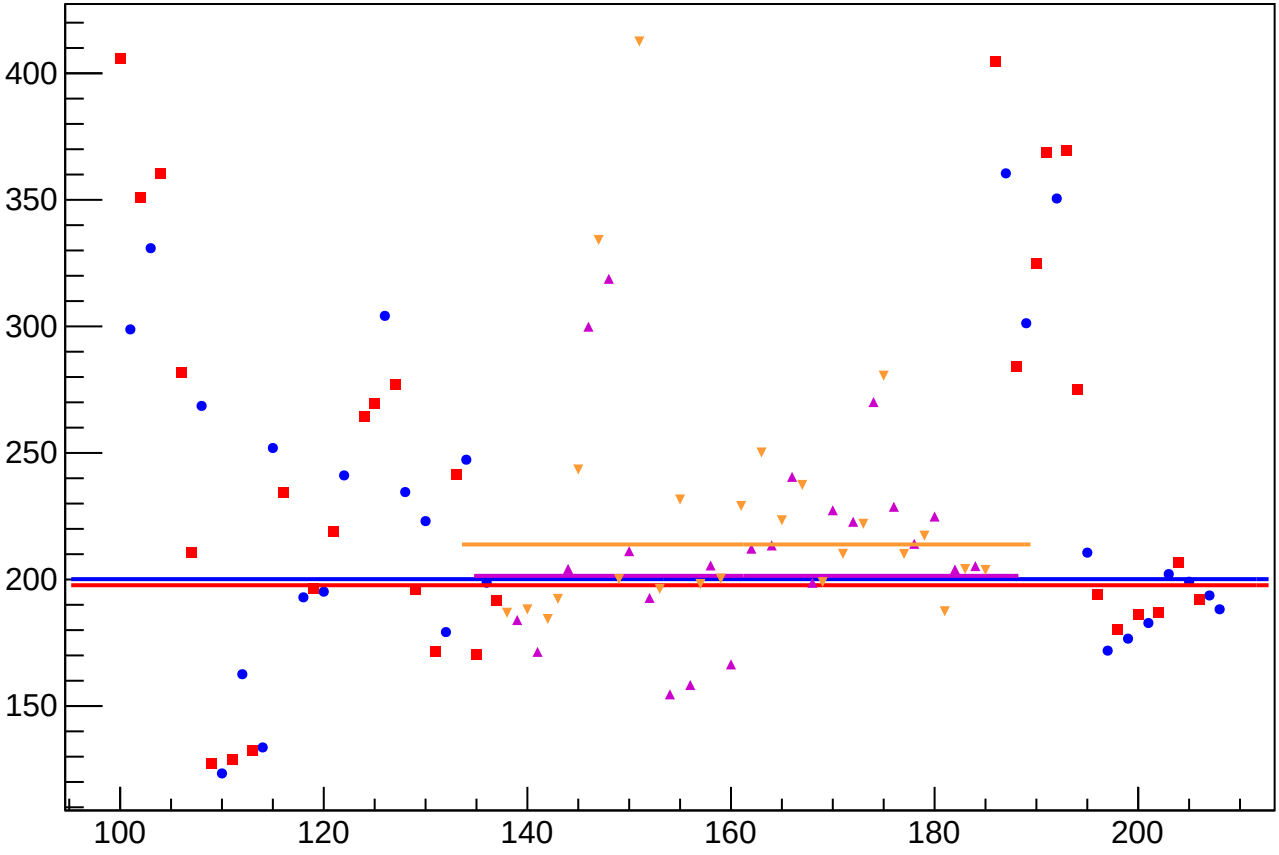
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 649.675+/-36.083 χ^2/NDF: 11140.4/51

All: 336.470+/-25.262 χ^2/NDF: 23364.3/105

- sign 35.373+/-35.379 χ^2/NDF: 12076.2/53

asym_bpm0l07WS_rms vs Slug



Right In: 200.140+/-0.037 χ^2/NDF: 1610619.4/26

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 197.734+/-0.037 χ^2/NDF: 2638881.6/30

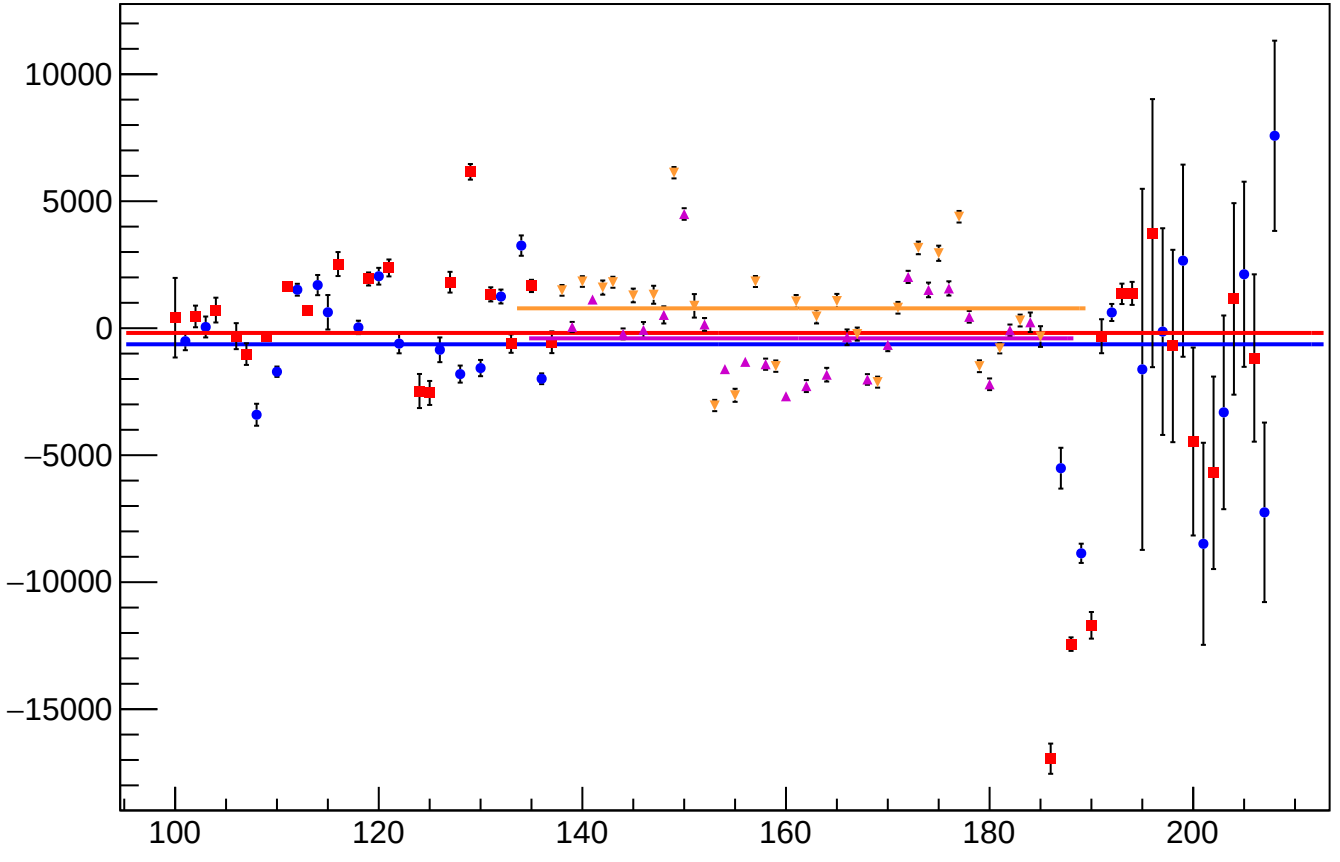
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 207.348+/-0.026 χ^2/NDF: 2646168.7/51

All: 203.452+/-0.018 χ^2/NDF: 6398246.2/105

- sign 199.706+/-0.025 χ^2/NDF: 3706335.0/53

asym_bpm0l08WS_mean vs Slug



Right In: -633.171+/-73.962 χ^2/NDF: 1006.5/26

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -186.620+/-65.423 χ^2/NDF: 4276.2/30

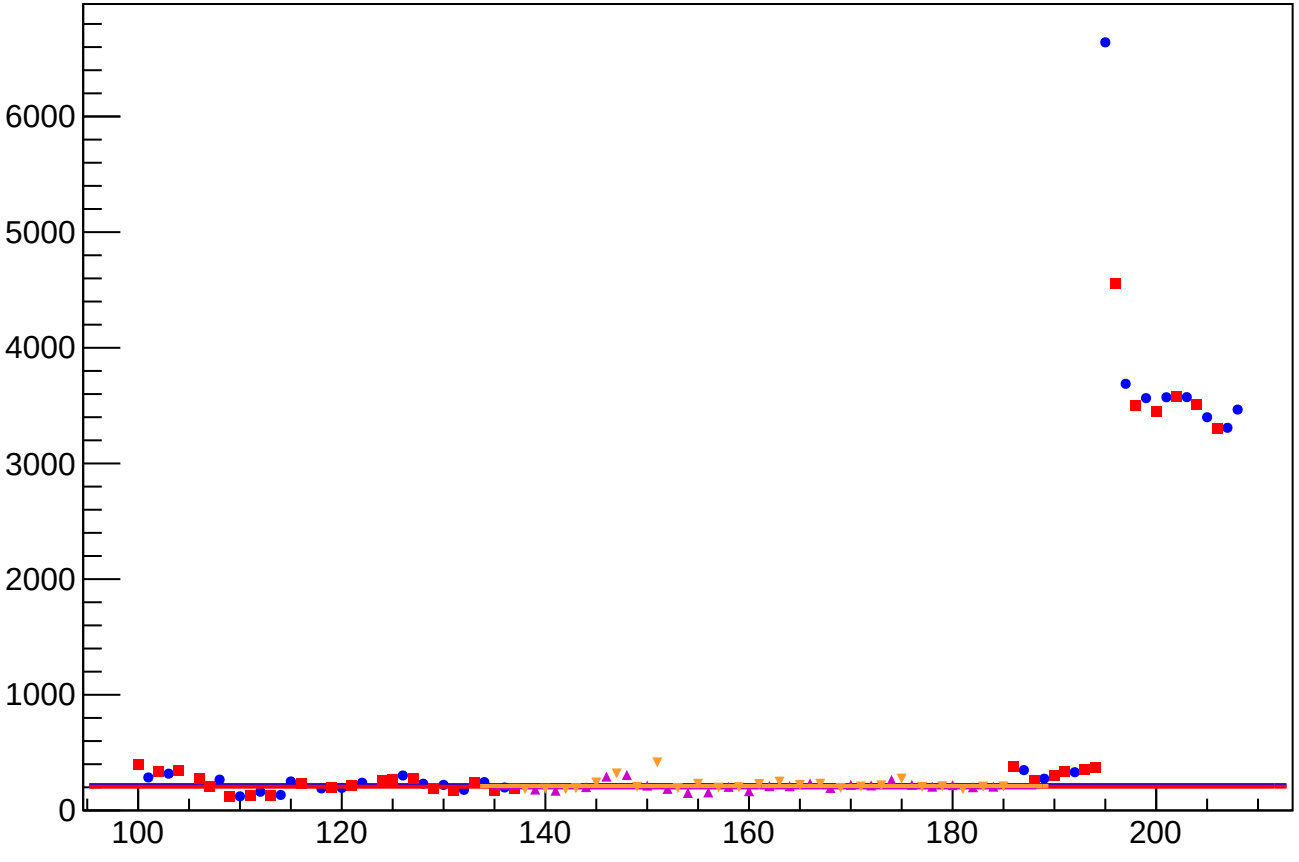
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 348.168+/-40.964 χ^2/NDF: 3261.7/51

All: -8.650+/-28.095 χ^2/NDF: 8920.1/105

- sign -325.567+/-38.606 χ^2/NDF: 5515.1/53

asym_bpm0l08WS_rms vs Slug



Right In: 218.975+/-0.052 χ^2/NDF: 13537238.1/26

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 205.424+/-0.046 χ^2/NDF: 11908066.2/30

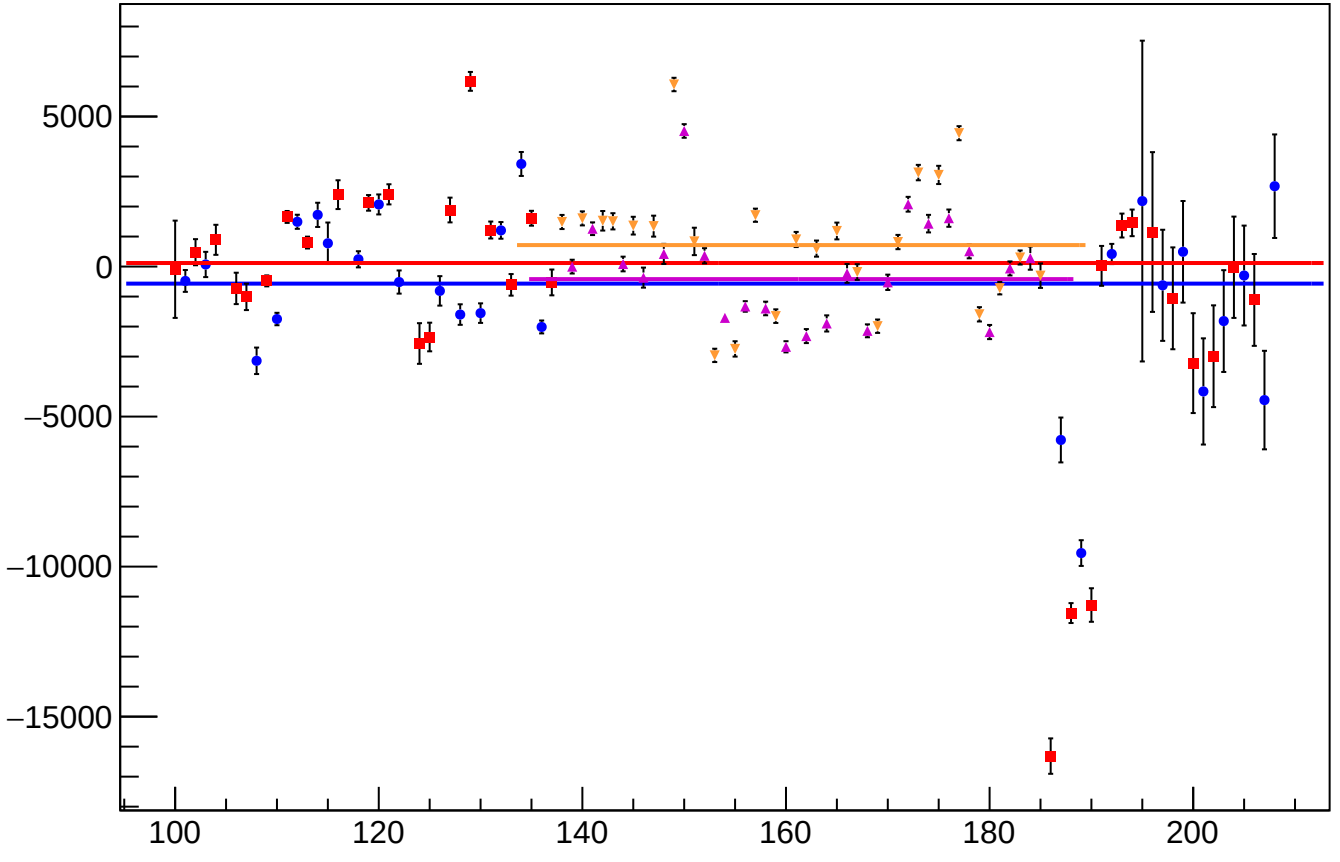
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 213.790+/-0.029 χ^2/NDF: 14486393.4/51

All: 206.978+/-0.020 χ^2/NDF: 27519854.5/10

- sign 200.927+/-0.027 χ^2/NDF: 12929023.0/53

asym_bpm0l09WS_mean vs Slug



Right In: -568.737+/-74.785 χ^2/NDF: 967.5/26

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 118.114+/-67.016 χ^2/NDF: 3167.2/30

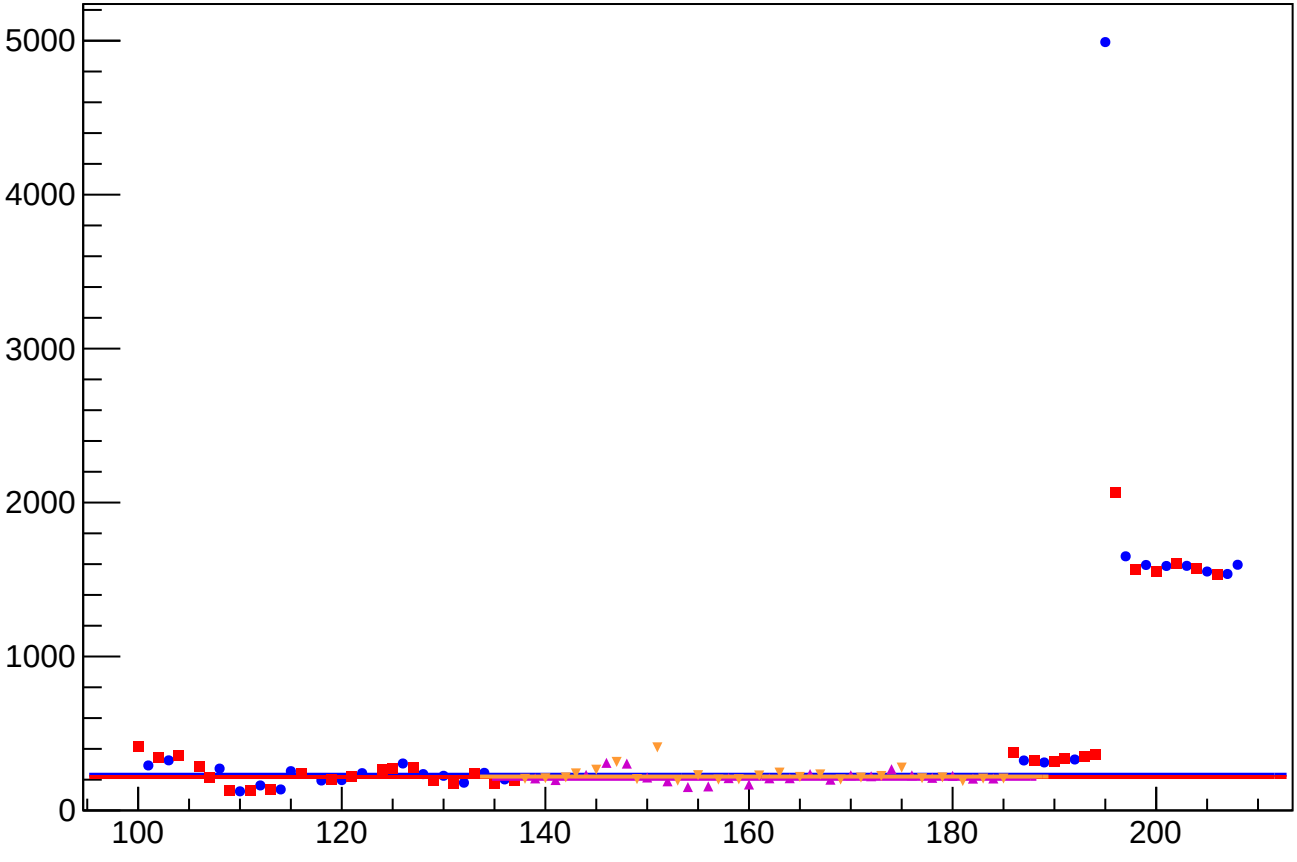
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 306.737+/-42.197 χ^2/NDF: 3086.5/51

All: 23.406+/-28.964 χ^2/NDF: 7621.4/105

- sign -229.011+/-39.828 χ^2/NDF: 4449.6/53

asym_bpm0l09WS_rms vs Slug



Right In: 231.984+/-0.053 χ^2/NDF: 11770907.9/26

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 217.238+/-0.047 χ^2/NDF: 10362795.0/30

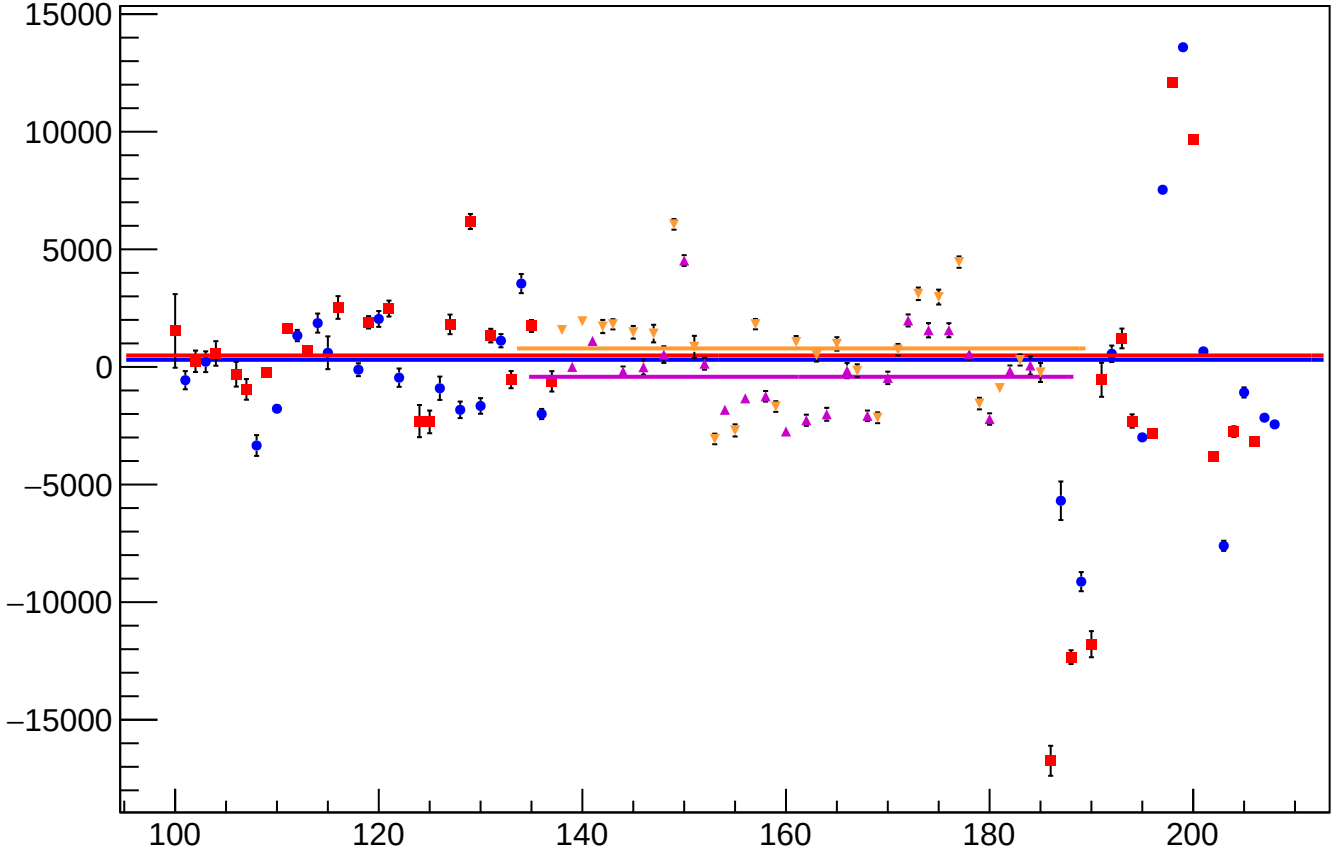
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 223.914+/-0.030 χ^2/NDF: 12604770.1/51

All: 216.362+/-0.020 χ^2/NDF: 24142473.9/10

- sign 209.634+/-0.028 χ^2/NDF: 11416573.8/53

asym_bpm0l10WS_mean vs Slug



Right In: 303.435+/-52.937 χ^2/NDF: 9111.3/26

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 487.823+/-52.480 χ^2/NDF: 10280.8/30

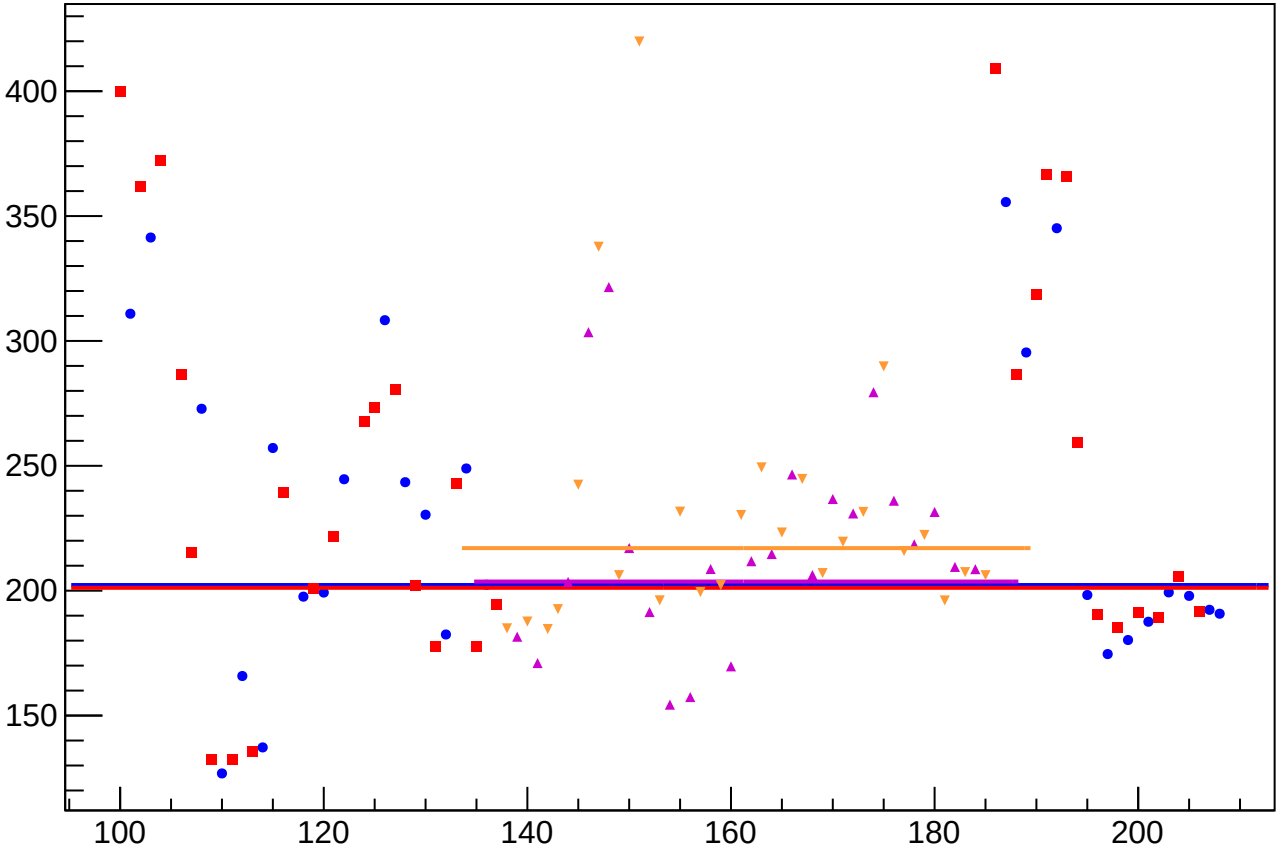
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 556.450+/-36.549 χ^2/NDF: 11092.5/51

All: 275.505+/-25.602 χ^2/NDF: 22859.3/105

- sign 4.836+/-35.875 χ^2/NDF: 11650.8/53

asym_bpm0l10WS_rms vs Slug



Right In: 202.266+/-0.037 χ^2/NDF: 1560153.1/26

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 201.158+/-0.037 χ^2/NDF: 2481802.9/30

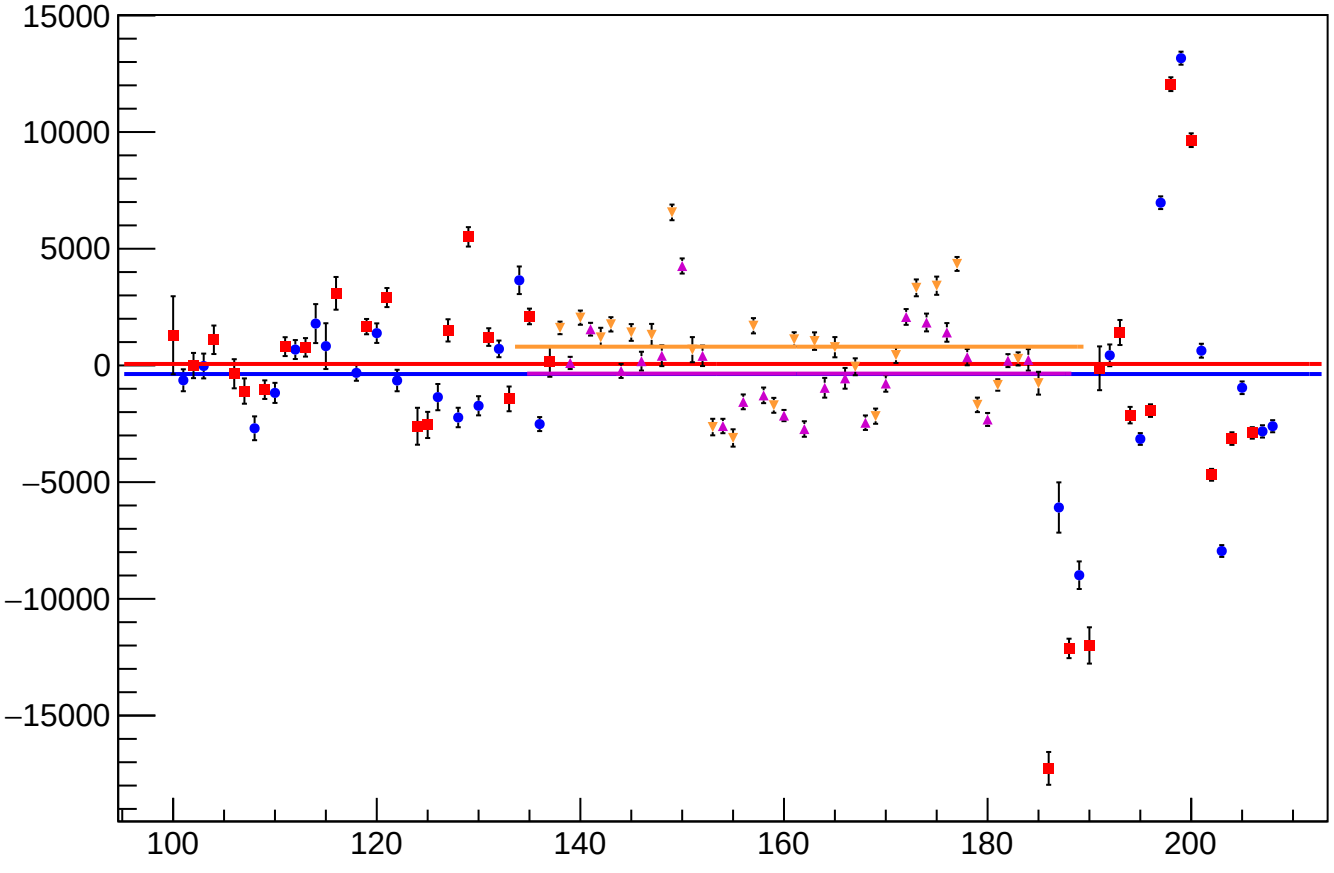
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 209.997+/-0.026 χ^2/NDF: 2624843.9/51

All: 206.174+/-0.018 χ^2/NDF: 6317369.5/105

- sign 202.491+/-0.025 χ^2/NDF: 3649559.2/53

asym_bpm0r03WS_mean vs Slug



Right In: -368.431+/-70.392 χ^2/NDF: 4717.7/26

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 63.352+/-72.566 χ^2/NDF: 5525.1/30

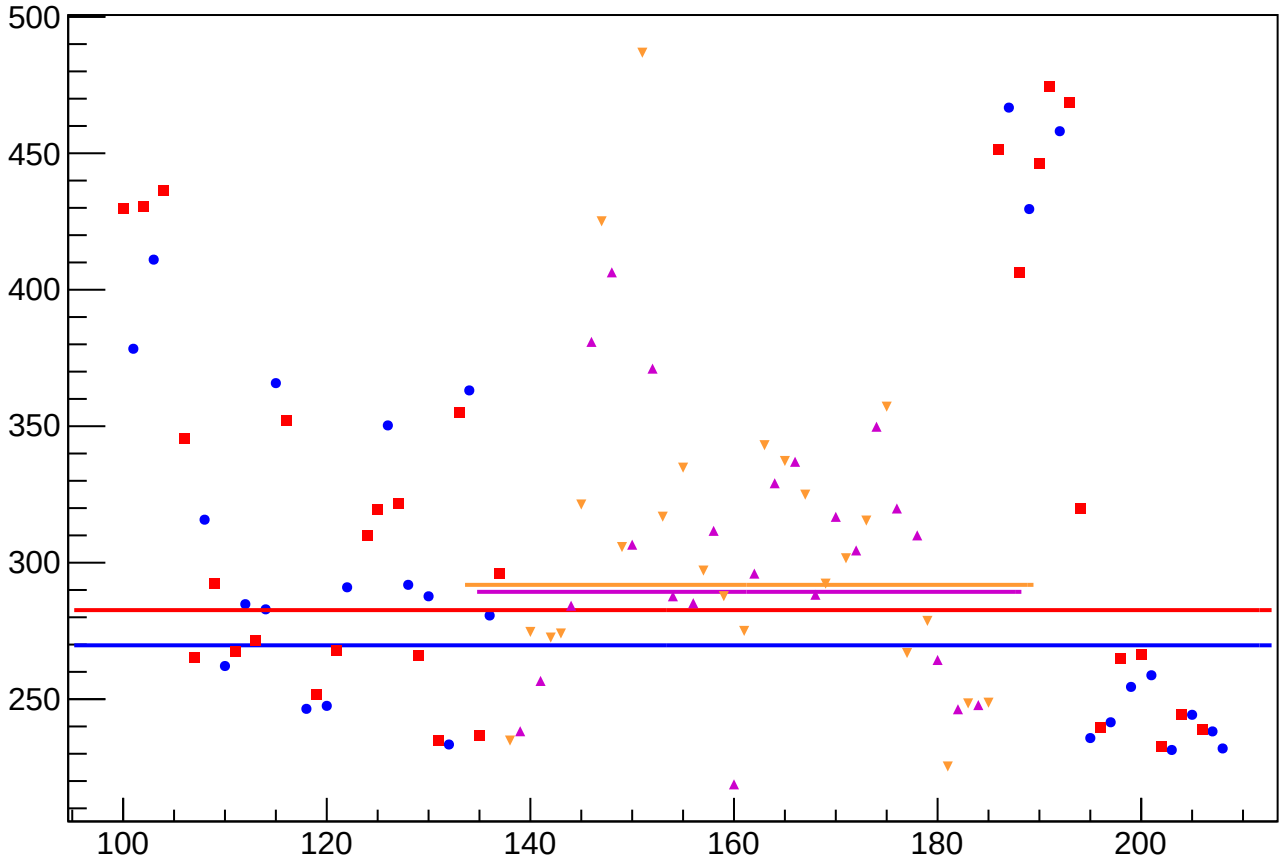
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 240.561+/-48.792 χ^2/NDF: 5919.5/51

All: 48.179+/-34.920 χ^2/NDF: 12149.6/105

- sign -153.824+/-49.998 χ^2/NDF: 6198.2/53

asym_bpm0r03WS_rms vs Slug



Right In: 269.728+/-0.050 χ^2/NDF: 1172222.4/26

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 282.624+/-0.051 χ^2/NDF: 1466547.3/30

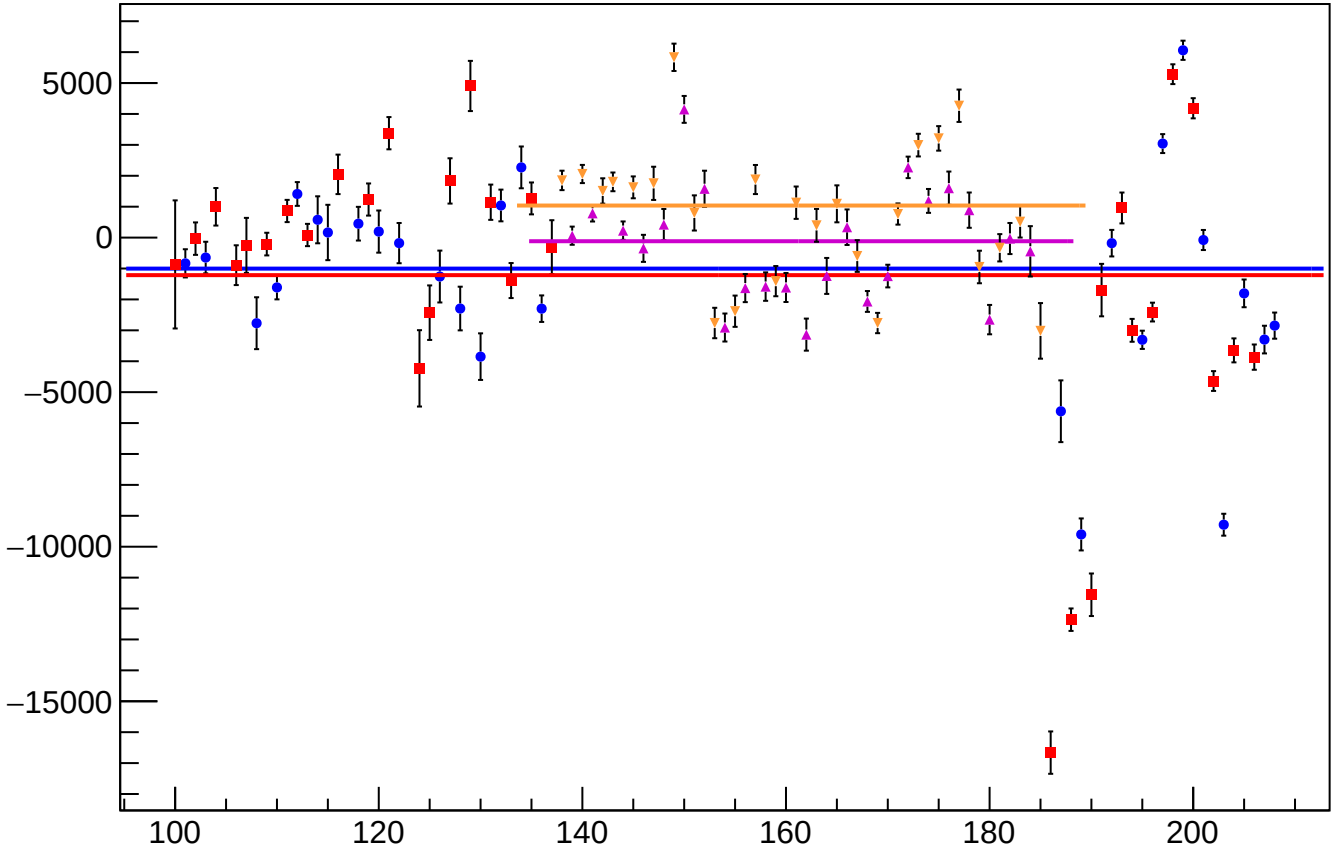
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 281.238+/-0.035 χ^2/NDF: 2235062.5/51

All: 283.630+/-0.025 χ^2/NDF: 4529016.2/105

- sign 286.142+/-0.035 χ^2/NDF: 2284100.4/53

asym_bpm0r05WS_mean vs Slug



Right In: -1003.243+/-88.852 χ^2/NDF: 1788.0/26

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -1214.609+/-85.623 χ^2/NDF: 2936.6/30

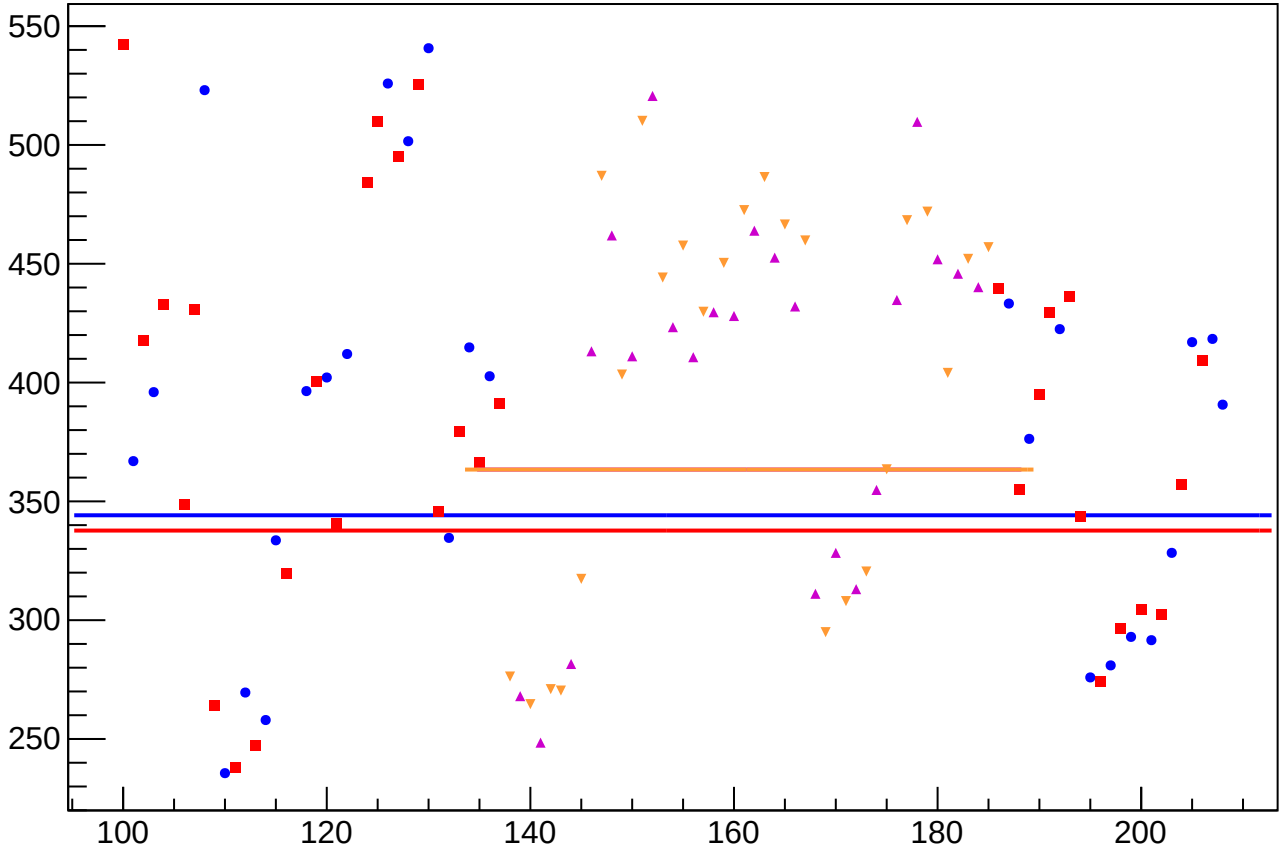
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 59.843+/-61.496 χ^2/NDF: 2633.0/51

All: -310.736+/-43.374 χ^2/NDF: 6092.6/105

- sign -677.563+/-61.184 χ^2/NDF: 3387.3/53

asym_bpm0r05WS_rms vs Slug



Right In: 344.147+/-0.063 χ^2/NDF: 1344096.0/26

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 337.714+/-0.061 χ^2/NDF: 1253042.7/30

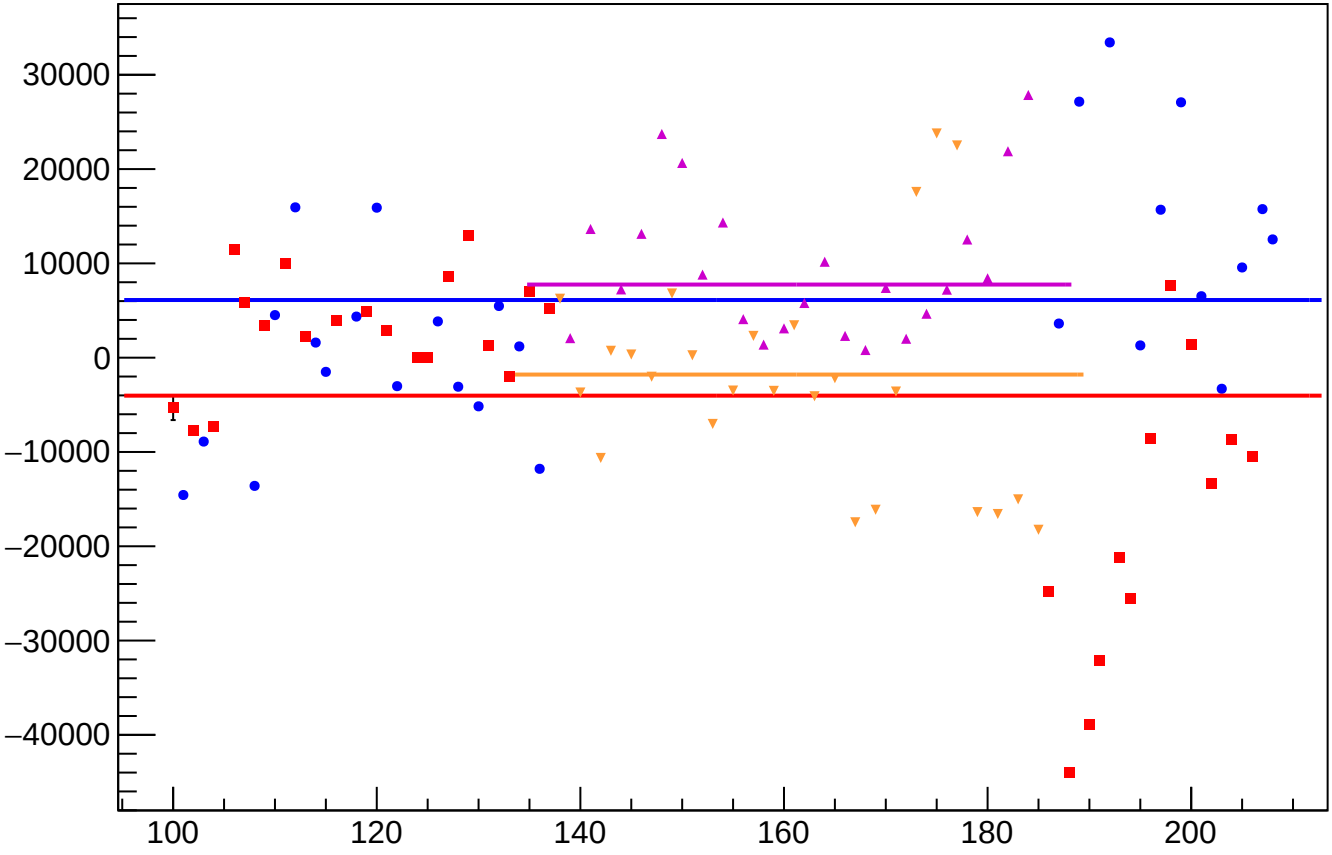
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 354.170+/-0.043 χ^2/NDF: 3333451.1/51

All: 352.214+/-0.031 χ^2/NDF: 6390112.2/105

- sign 350.277+/-0.043 χ^2/NDF: 3052633.1/53

asym_bpm0i02WS_mean vs Slug



Right In: 6114.570+/-40.982 χ^2/NDF: 93550.3/26

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -4027.617+/-39.615 χ^2/NDF: 137269.9/30

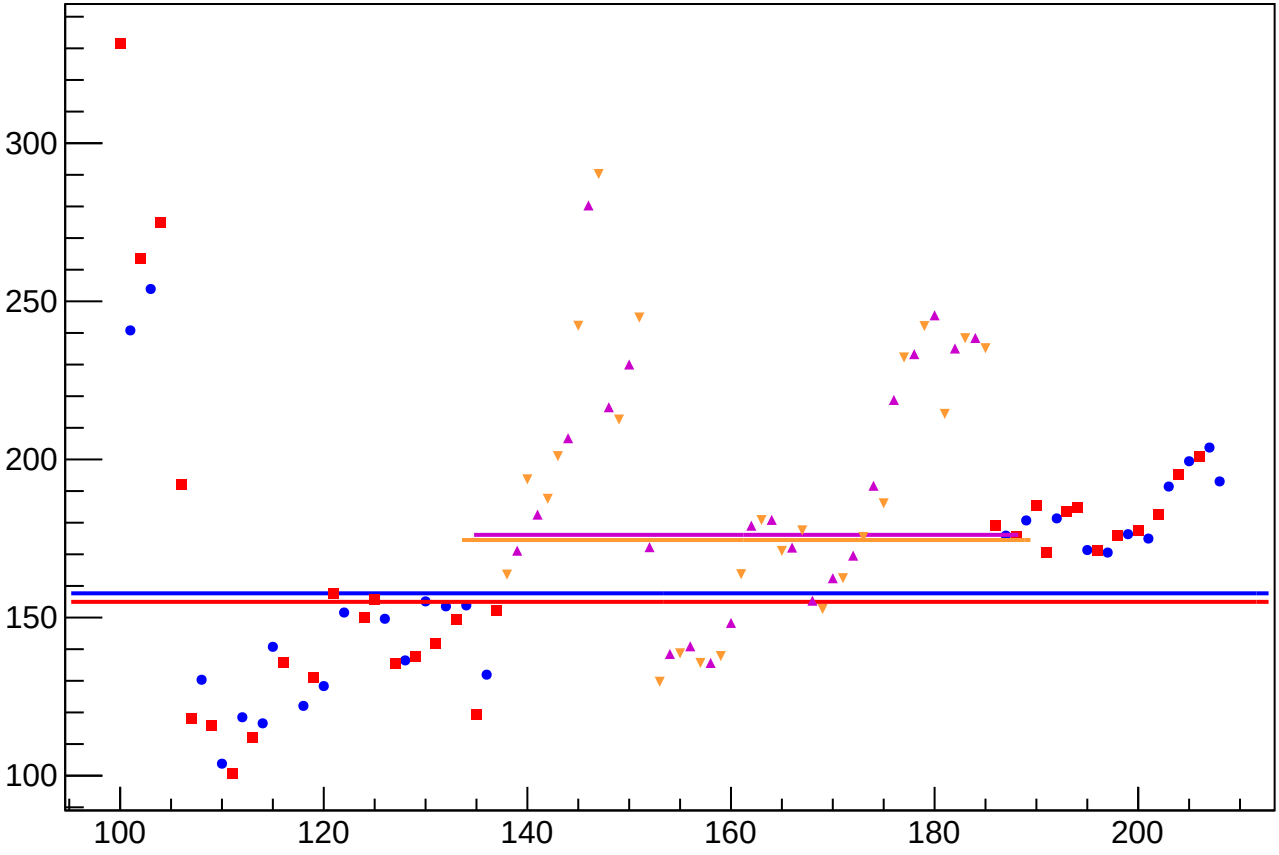
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 2155.154+/-28.953 χ^2/NDF: 177931.2/51

All: 1798.277+/-20.490 χ^2/NDF: 379833.5/10

- sign 1440.224+/-29.001 χ^2/NDF: 201597.9/53

asym_bpm0i02WS_rms vs Slug



Right In: 157.667+/-0.029 χ^2/NDF: 1290978.0/26

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

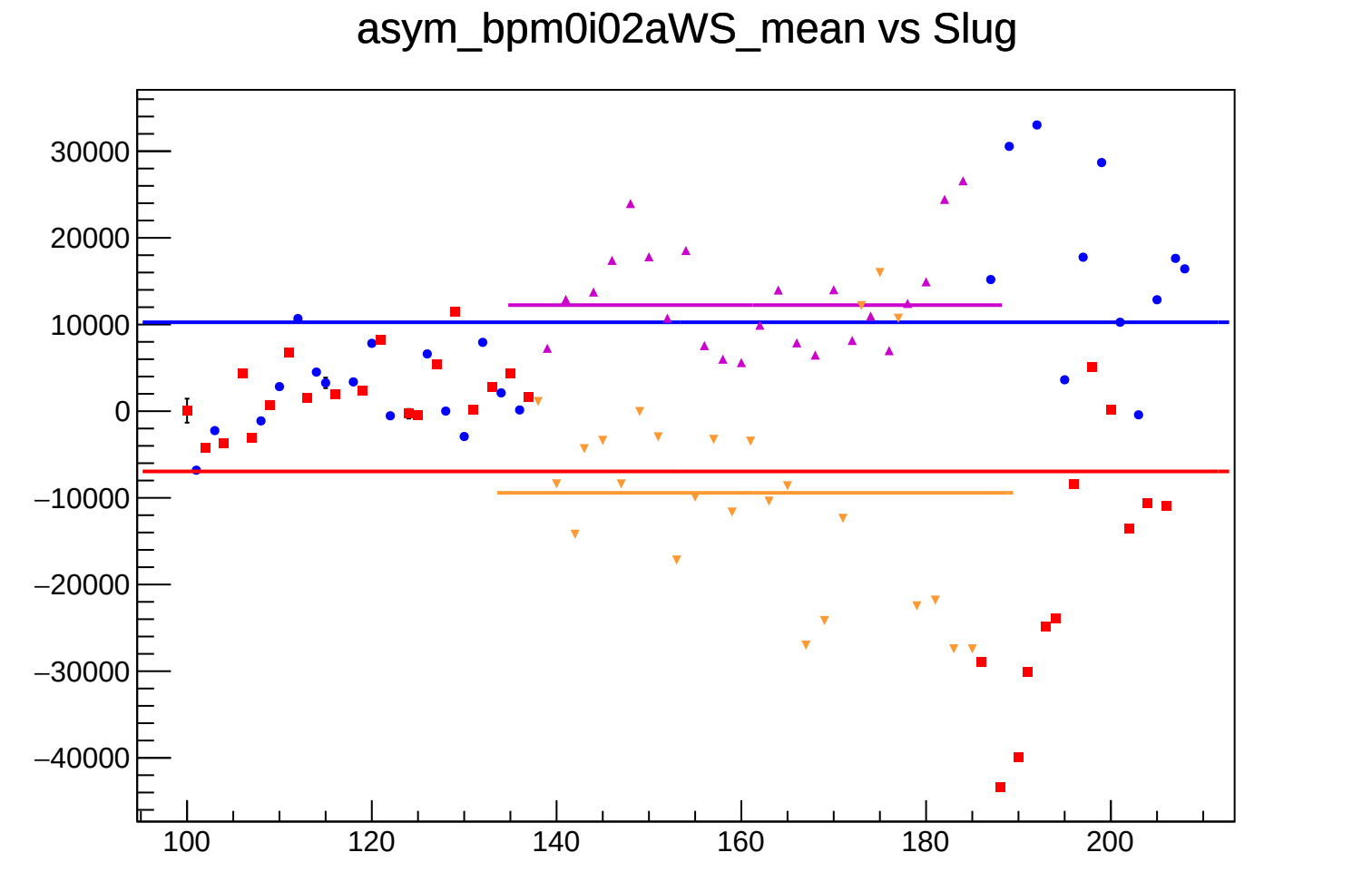
Right Out: 154.968+/-0.028 χ^2/NDF: 1611051.6/30

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

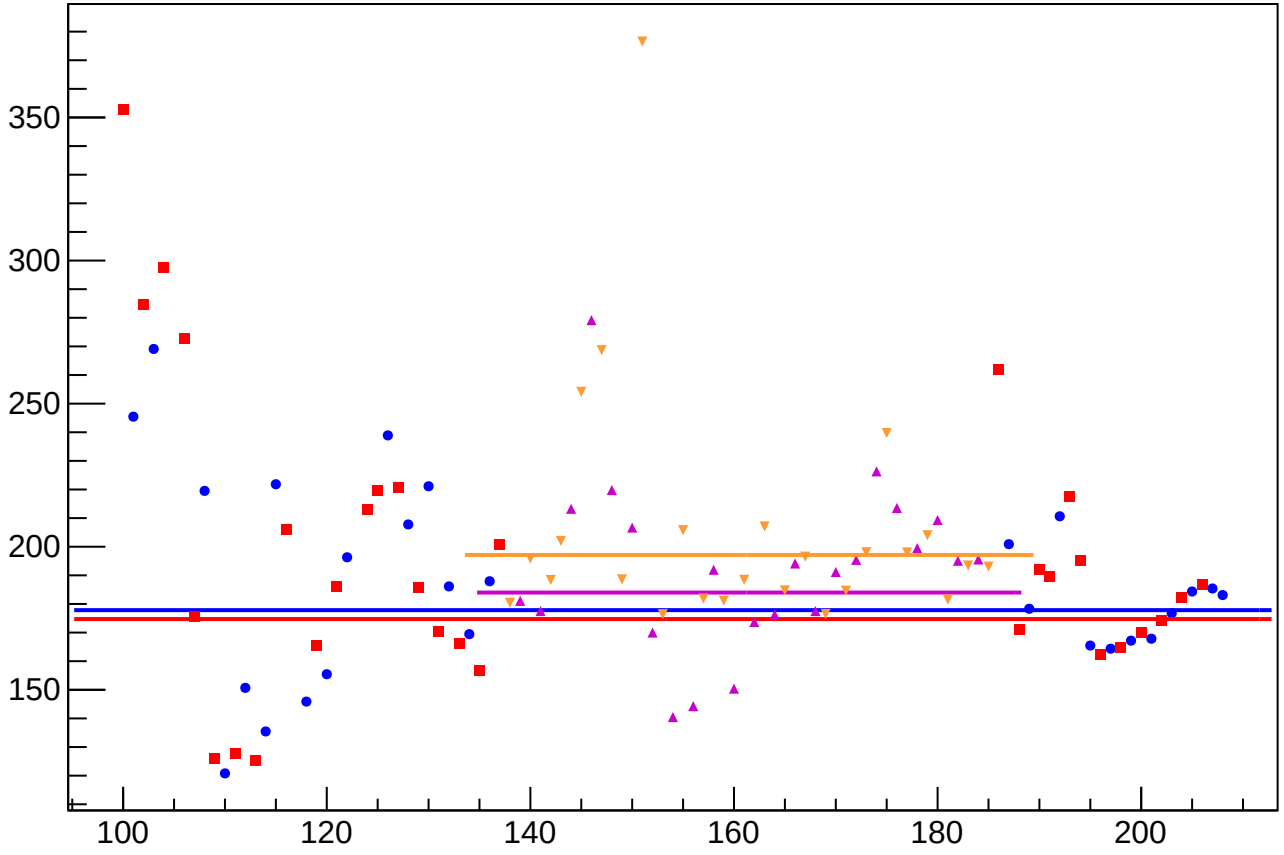
+ sign 166.109+/-0.020 χ^2/NDF: 3119857.9/51

All: 165.456+/-0.014 χ^2/NDF: 6365473.0/105

- sign 164.800+/-0.021 χ^2/NDF: 3243576.4/53


asym_bpm0i02aWS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 10259.986+/-45.655 χ²/NDF: 53859.4/26
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: -6950.226+/-44.320 χ²/NDF: 105809.8/30
Left In: 12238.678+/-44.195 χ²/NDF:16015.8/22
+ sign 429.135+/-32.298 χ²/NDF: 211398.6/51
All: 1585.617+/-22.475 χ²/NDF: 429702.4/10
- sign 2671.359+/-31.295 χ²/NDF: 215818.1/53

asym_bpm0i02aWS_rms vs Slug



Right In: 177.837+/-0.032 χ^2/NDF: 767214.0/26

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.722+/-0.031 χ^2/NDF: 1206158.1/30

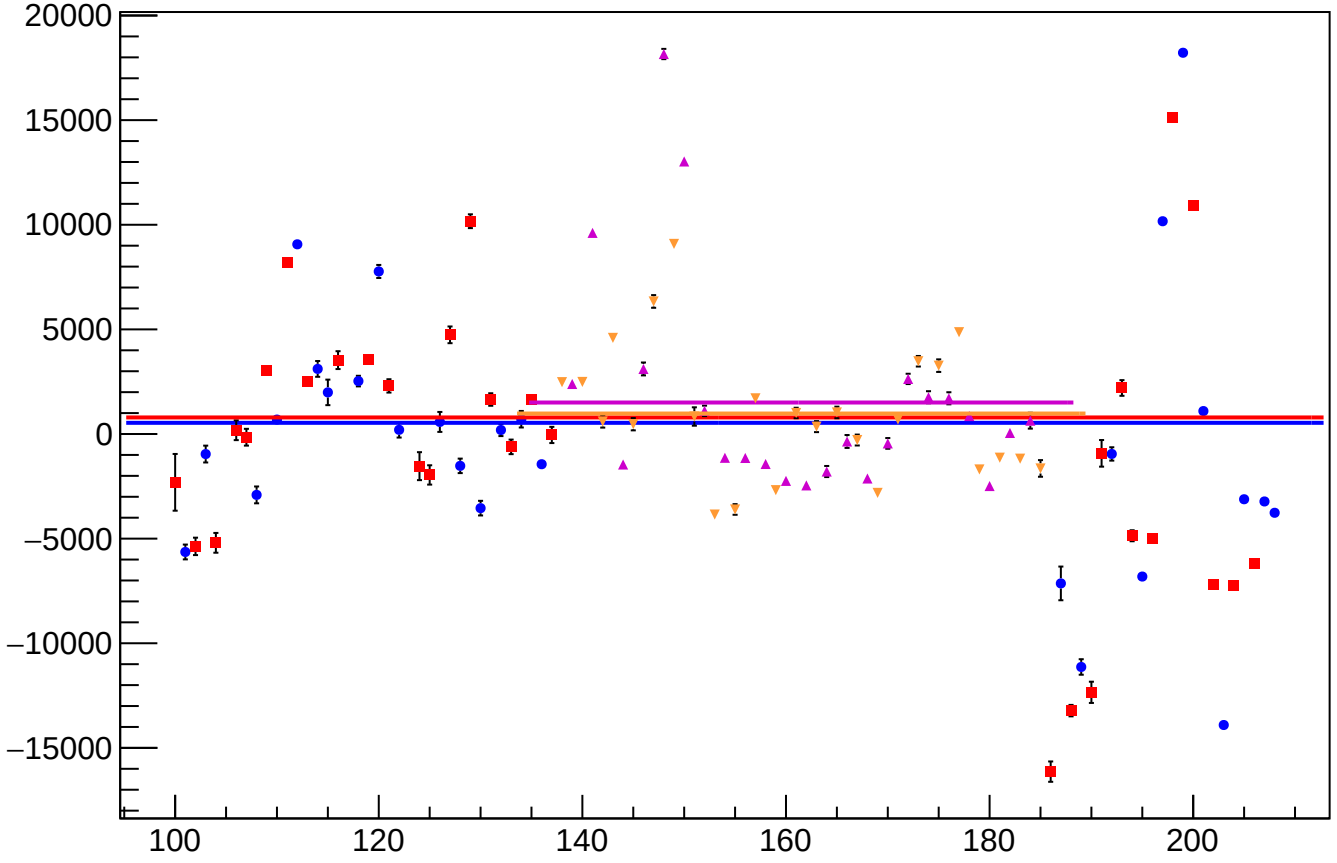
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 187.471+/-0.023 χ^2/NDF: 1678003.7/51

All: 183.291+/-0.016 χ^2/NDF: 3822692.7/105

- sign 179.367+/-0.022 χ^2/NDF: 2079745.8/53

asym_bpm0i05WS_mean vs Slug



Right In: 534.773+/-51.402 χ^2/NDF: 21456.6/26

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 791.403+/-50.150 χ^2/NDF: 20901.1/30

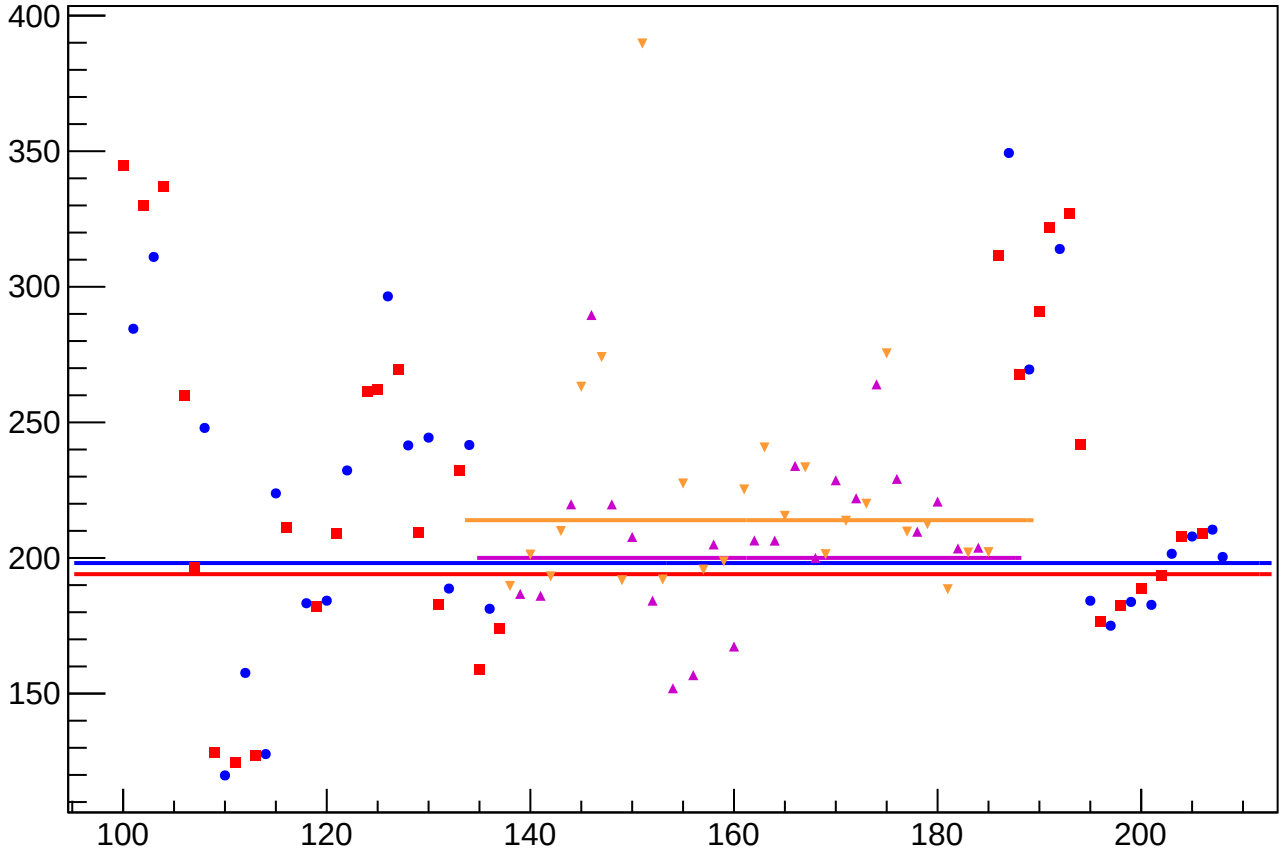
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 764.483+/-35.695 χ^2/NDF: 25818.1/51

All: 969.656+/-24.879 χ^2/NDF: 58369.6/105

- sign 1163.500+/-34.695 χ^2/NDF: 32487.3/53

asym_bpm0i05WS_rms vs Slug



Right In: 198.132+/-0.036 χ^2/NDF: 1451723.3/26

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 194.035+/-0.035 χ^2/NDF: 2254355.9/30

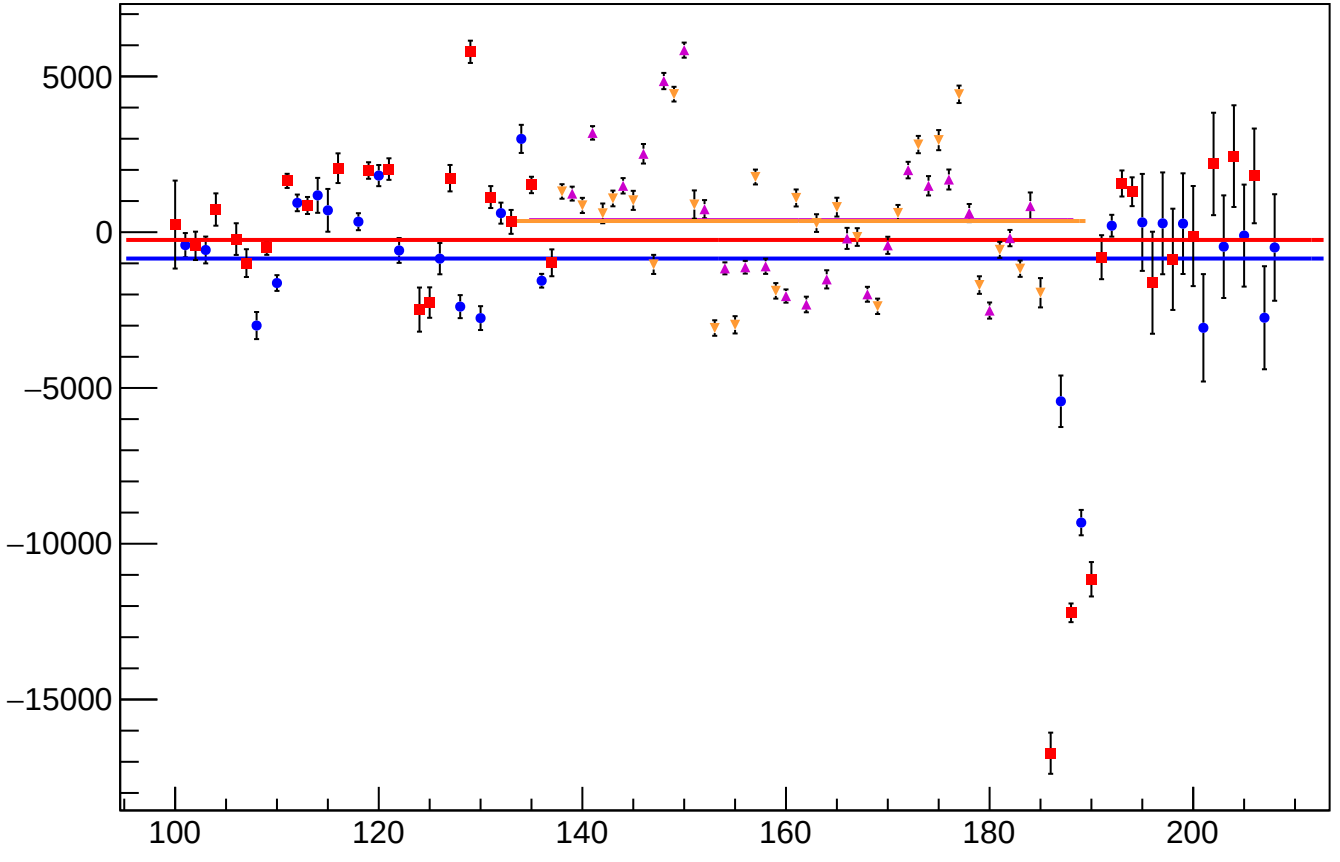
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.312+/-0.025 χ^2/NDF: 2283197.3/51

All: 201.607+/-0.018 χ^2/NDF: 5405568.6/105

- sign 197.161+/-0.025 χ^2/NDF: 3054782.8/53

asym_bpm0i07WS_mean vs Slug



Right In: -845.946+/-81.195 χ^2/NDF: 801.1/26

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -248.871+/-73.711 χ^2/NDF: 3275.7/30

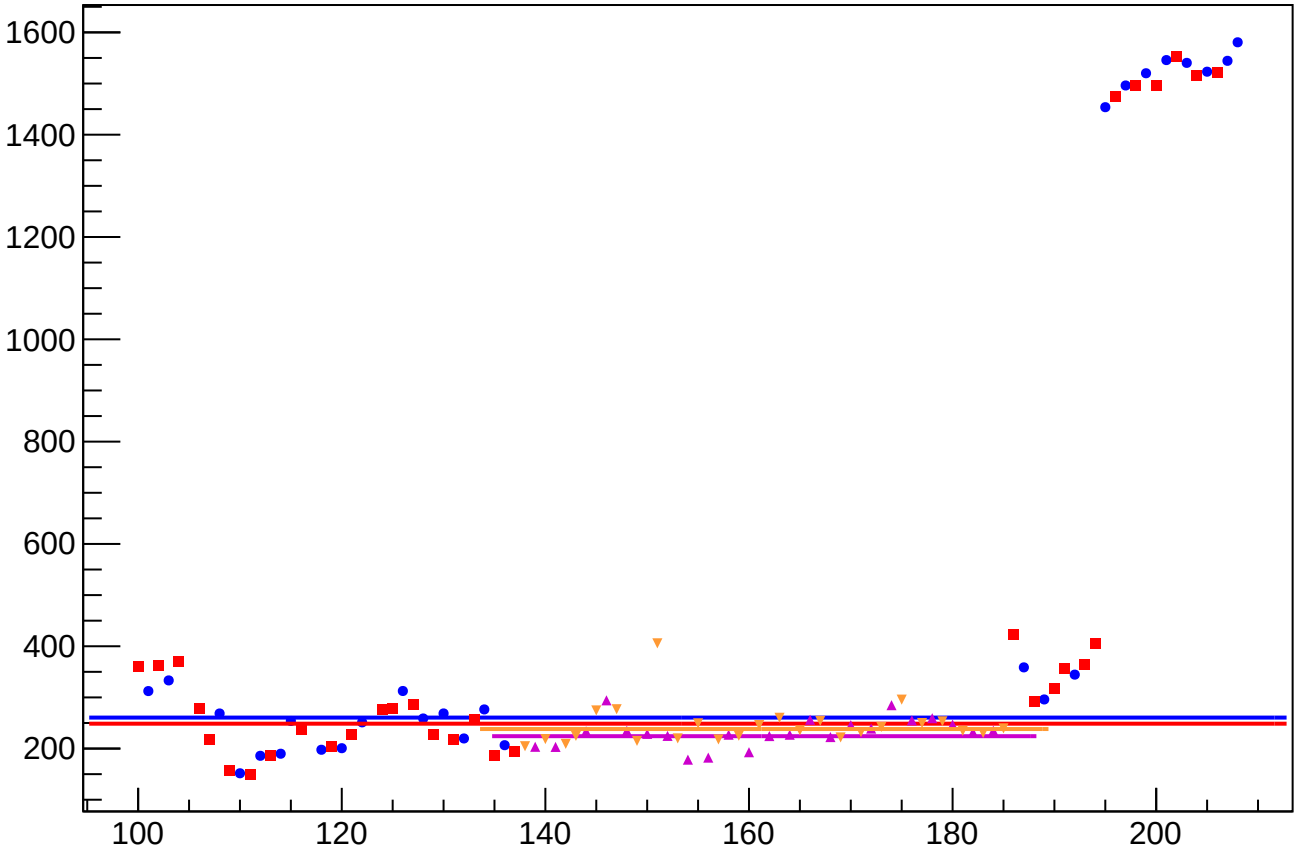
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -20.126+/-45.532 χ^2/NDF: 2370.8/51

All: 78.324+/-31.382 χ^2/NDF: 7508.3/105

- sign 167.411+/-43.312 χ^2/NDF: 5128.6/53

asym_bpm0i07WS_rms vs Slug



Right In: 260.570+/-0.057 χ^2/NDF: 10594035.2/26

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 248.632+/-0.052 χ^2/NDF: 9366590.5/30

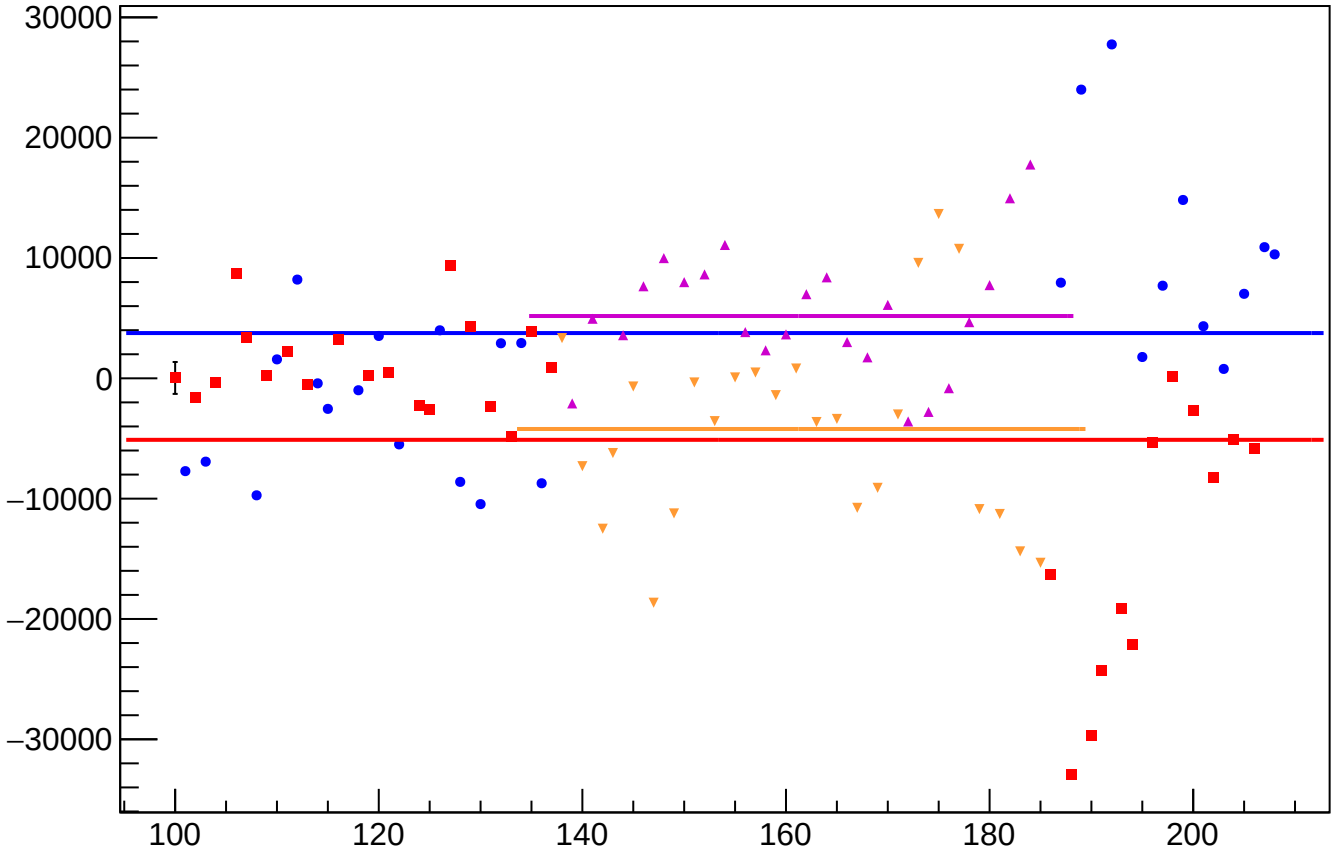
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 245.234+/-0.032 χ^2/NDF: 11266051.4/51

All: 238.625+/-0.022 χ^2/NDF: 21419877.6/10

- sign 232.644+/-0.031 χ^2/NDF: 10073546.6/53

asym_bpm1i02WS_mean vs Slug



Right In: 3761.806+/-34.789 χ^2/NDF: 79372.0/26

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5111.560+/-33.402 χ^2/NDF: 102903.5/30

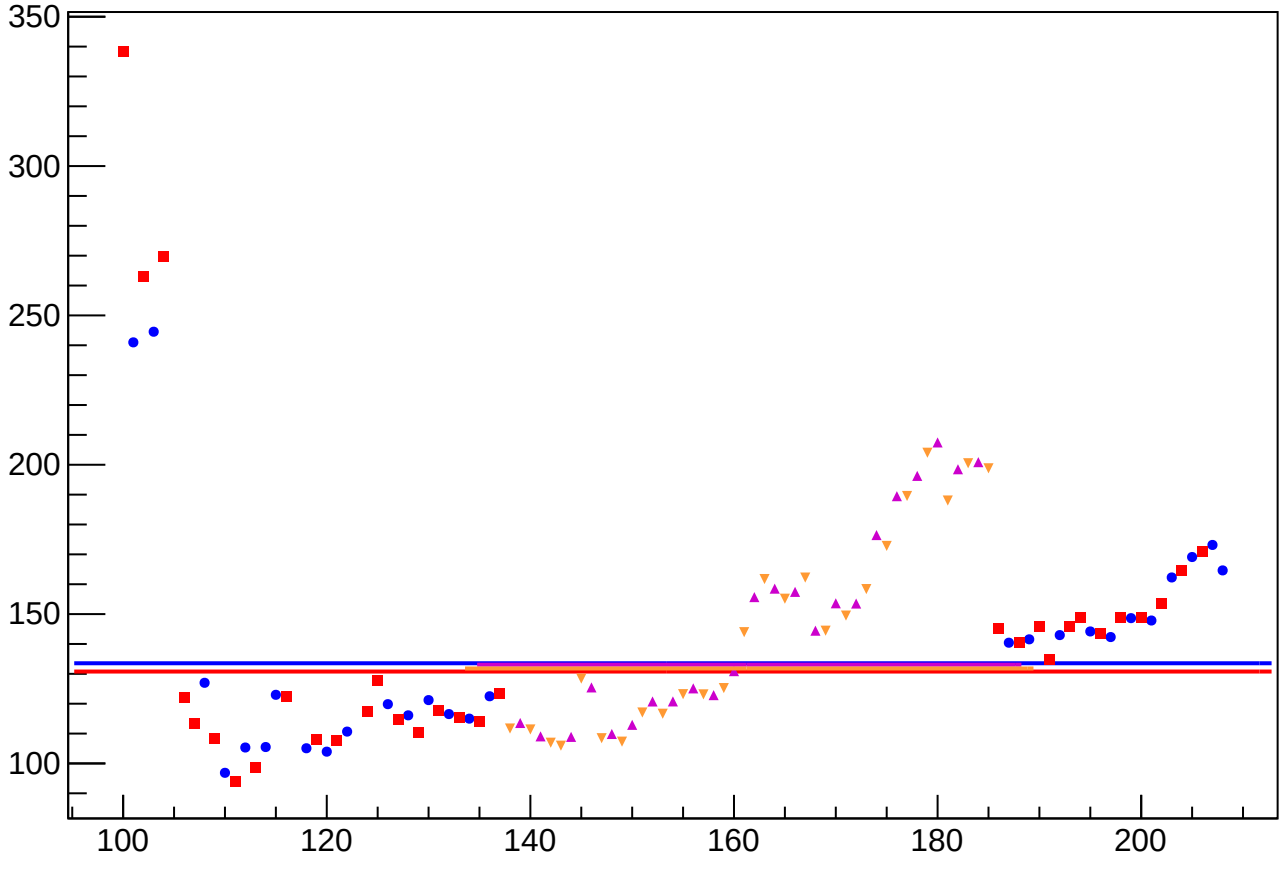
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -703.858+/-23.073 χ^2/NDF: 165591.5/51

All: -223.070+/-16.323 χ^2/NDF: 337435.1/10

- sign 258.670+/-23.095 χ^2/NDF: 170974.3/53

asym_bpm1i02WS_rms vs Slug



Right In: 133.541+/-0.025 χ^2/NDF: 1285490.1/26

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 130.767+/-0.024 χ^2/NDF: 1445766.6/30

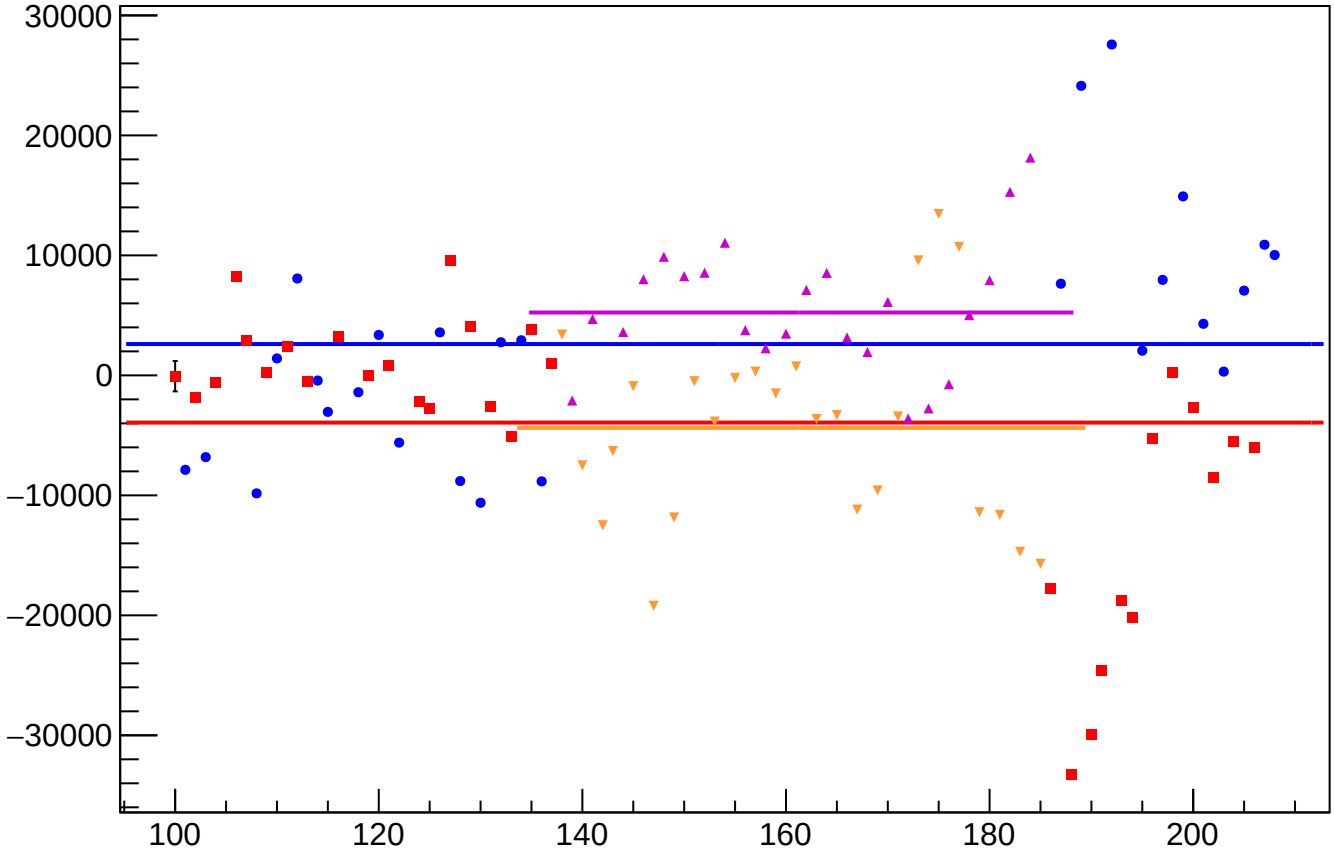
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 132.564+/-0.016 χ^2/NDF: 2832643.3/51

All: 132.265+/-0.012 χ^2/NDF: 5702263.9/105

- sign 131.964+/-0.016 χ^2/NDF: 2868944.8/53

asym_bpm1i04WS_mean vs Slug



Right In: 2610.650+/-31.222 χ^2/NDF: 88552.7/26

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -3935.383+/-30.127 χ^2/NDF: 110899.9/30

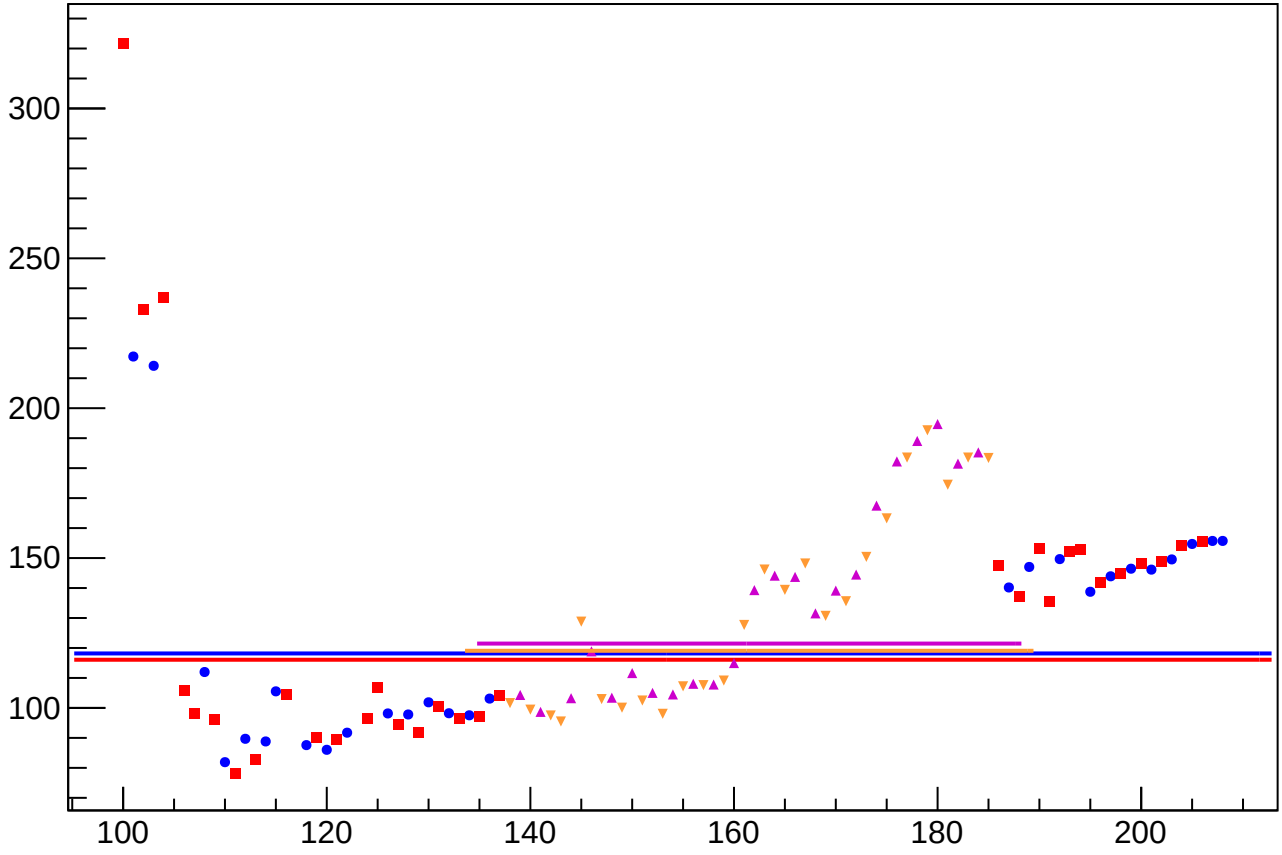
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -1265.362+/-20.827 χ^2/NDF: 183538.6/51

All: -246.793+/-14.783 χ^2/NDF: 369274.1/10

- sign 787.482+/-20.987 χ^2/NDF: 180914.9/53

asym_bpm1i04WS_rms vs Slug



Right In: 118.175+/-0.022 χ^2/NDF: 1968514.5/26

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 116.074+/-0.021 χ^2/NDF: 2258322.8/30

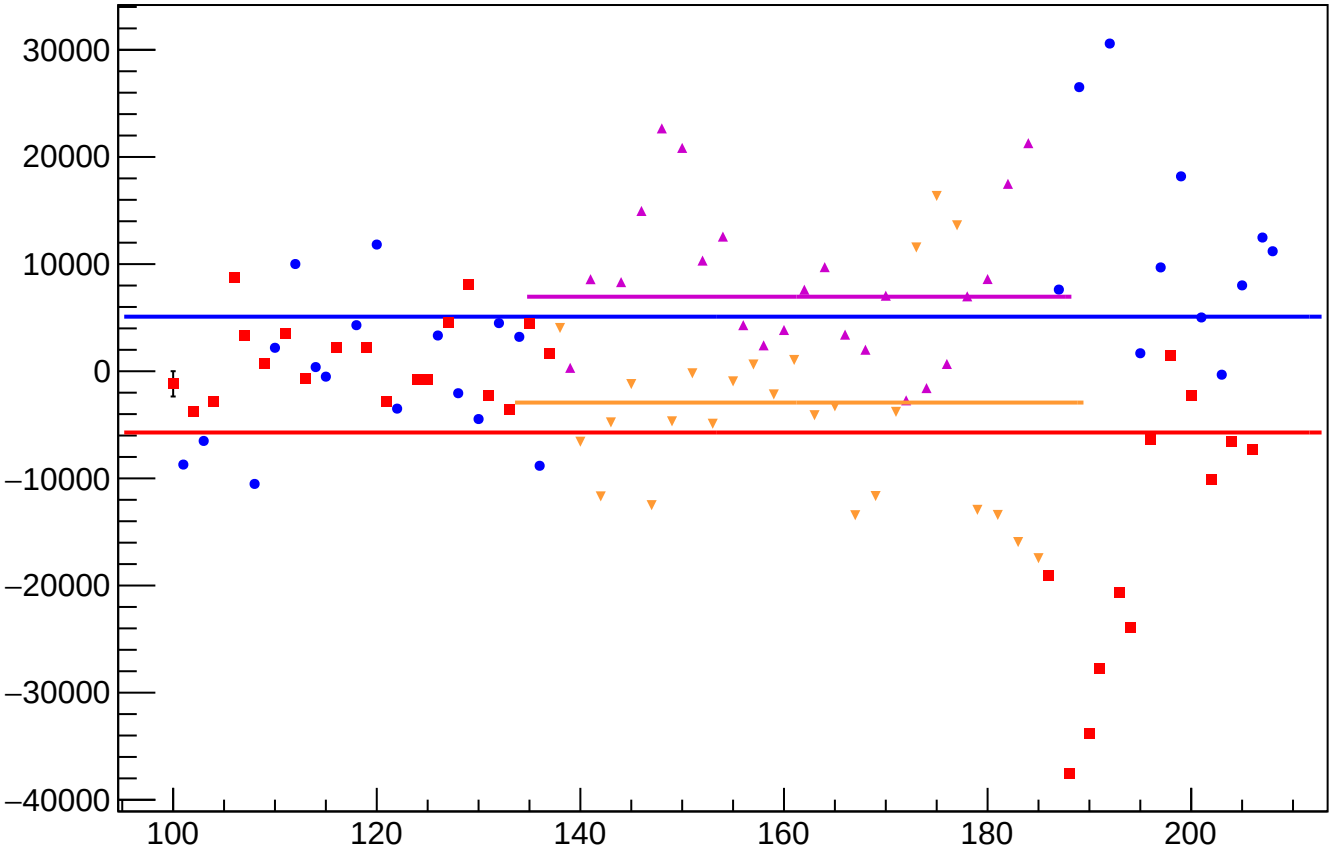
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 118.669+/-0.015 χ^2/NDF: 3724843.0/51

All: 118.759+/-0.010 χ^2/NDF: 7545622.3/105

- sign 118.850+/-0.015 χ^2/NDF: 3820703.8/53

asym_bpm1i06WS_mean vs Slug



Right In: 5094.159+/-41.007 χ^2/NDF: 63256.1/26

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -5716.725+/-39.628 χ^2/NDF: 92521.4/30

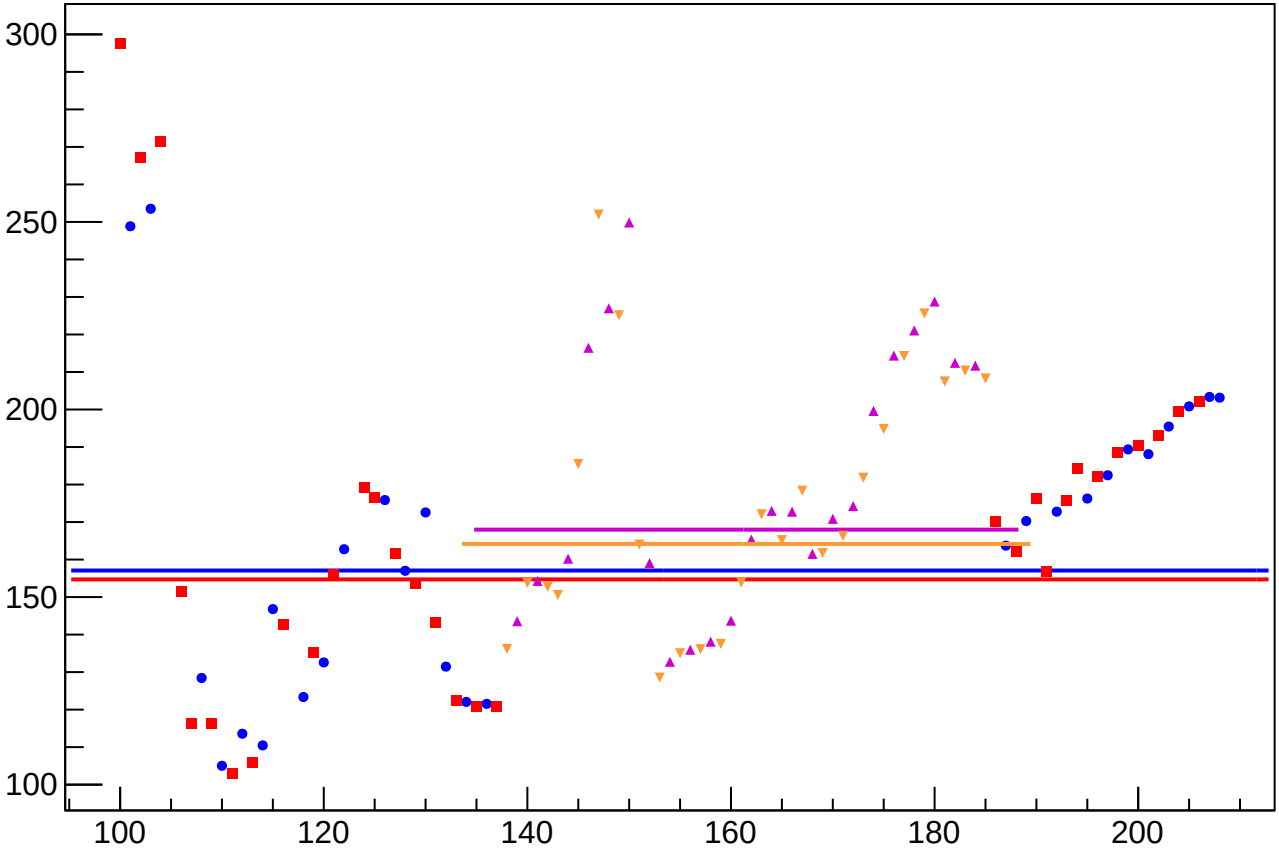
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign 800.245+/-27.945 χ^2/NDF: 121780.9/51

All: 662.690+/-19.863 χ^2/NDF: 287040.4/105

- sign 522.246+/-28.237 χ^2/NDF: 165210.5/53

asym_bpm1i06WS_rms vs Slug



Right In: 157.082+/-0.029 χ^2/NDF: 1597223.7/26

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

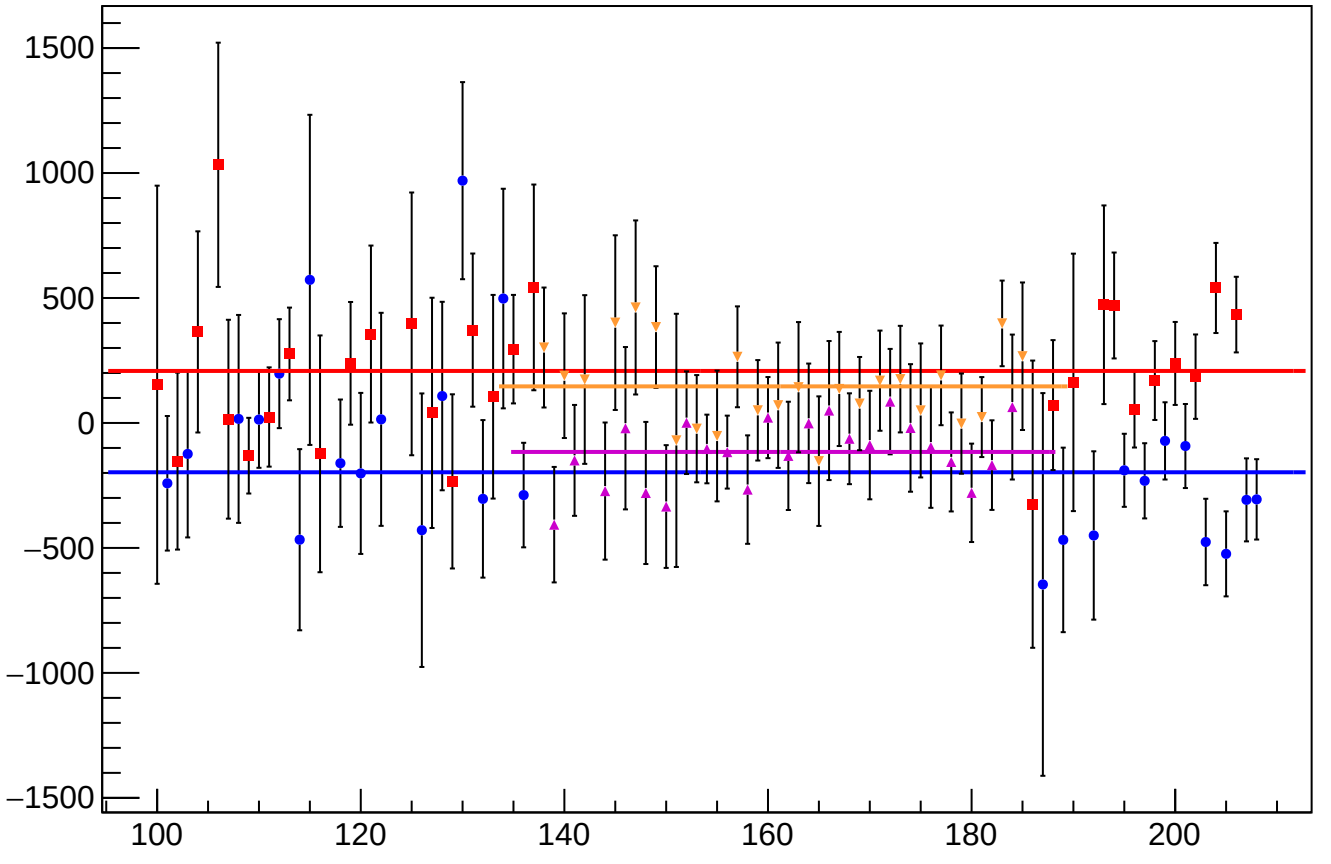
Right Out: 154.712+/-0.028 χ^2/NDF: 1730097.2/30

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 160.880+/-0.020 χ^2/NDF: 2853650.6/51

All: 161.059+/-0.014 χ^2/NDF: 5916941.6/105

- sign 161.241+/-0.020 χ^2/NDF: 3063125.2/53



Right In: -197.291+/-44.679 χ^2/NDF: 29.1/26

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 208.123+/-45.037 χ^2/NDF: 23.9/28

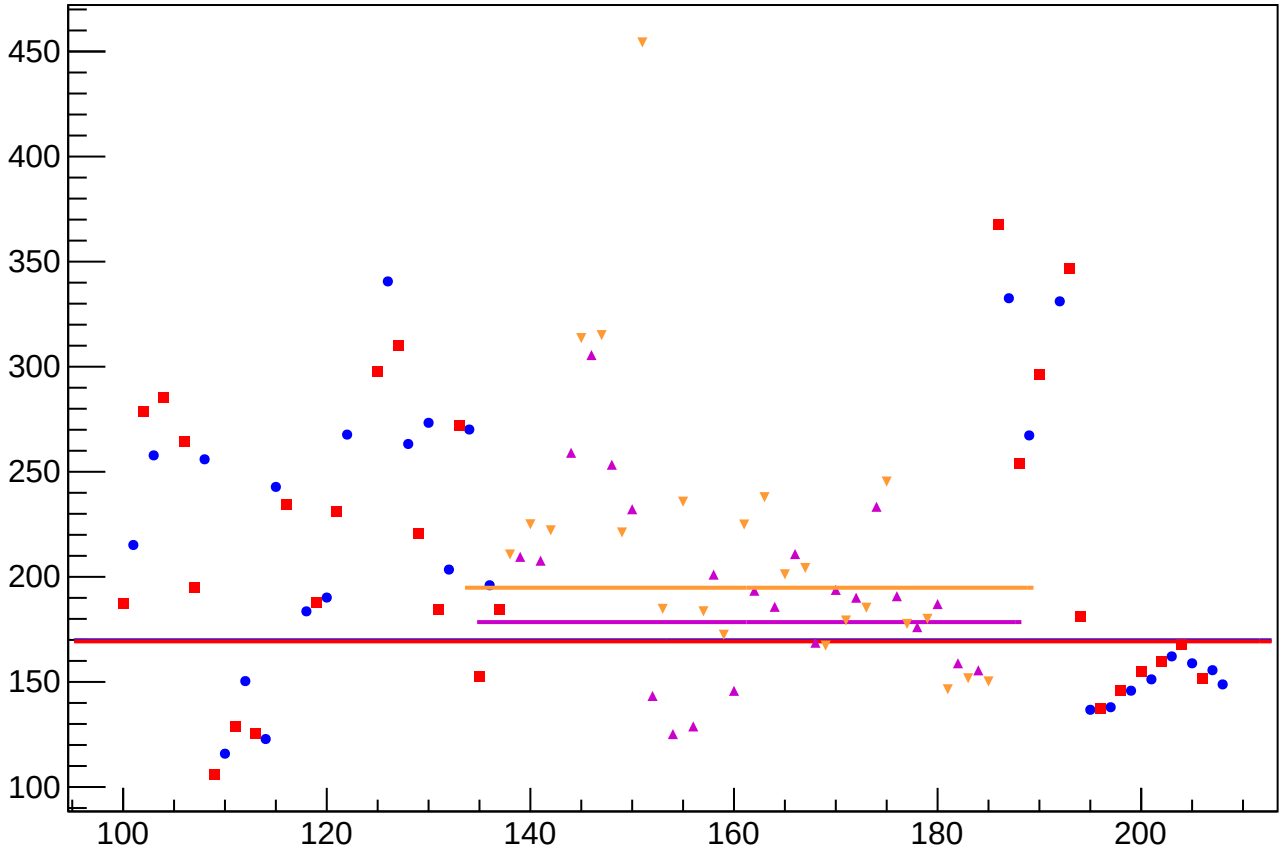
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

\+ sign -33.902+/-32.359 χ^2/NDF: 67.2/50

All: 4.679+/-22.508 χ^2/NDF: 128.2/102

\- sign 40.839+/-31.327 χ^2/NDF: 58.2/51

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 169.804+/-0.032 χ^2/NDF: 2259323.0/26

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 169.306+/-0.032 χ^2/NDF: 2751580.8/28

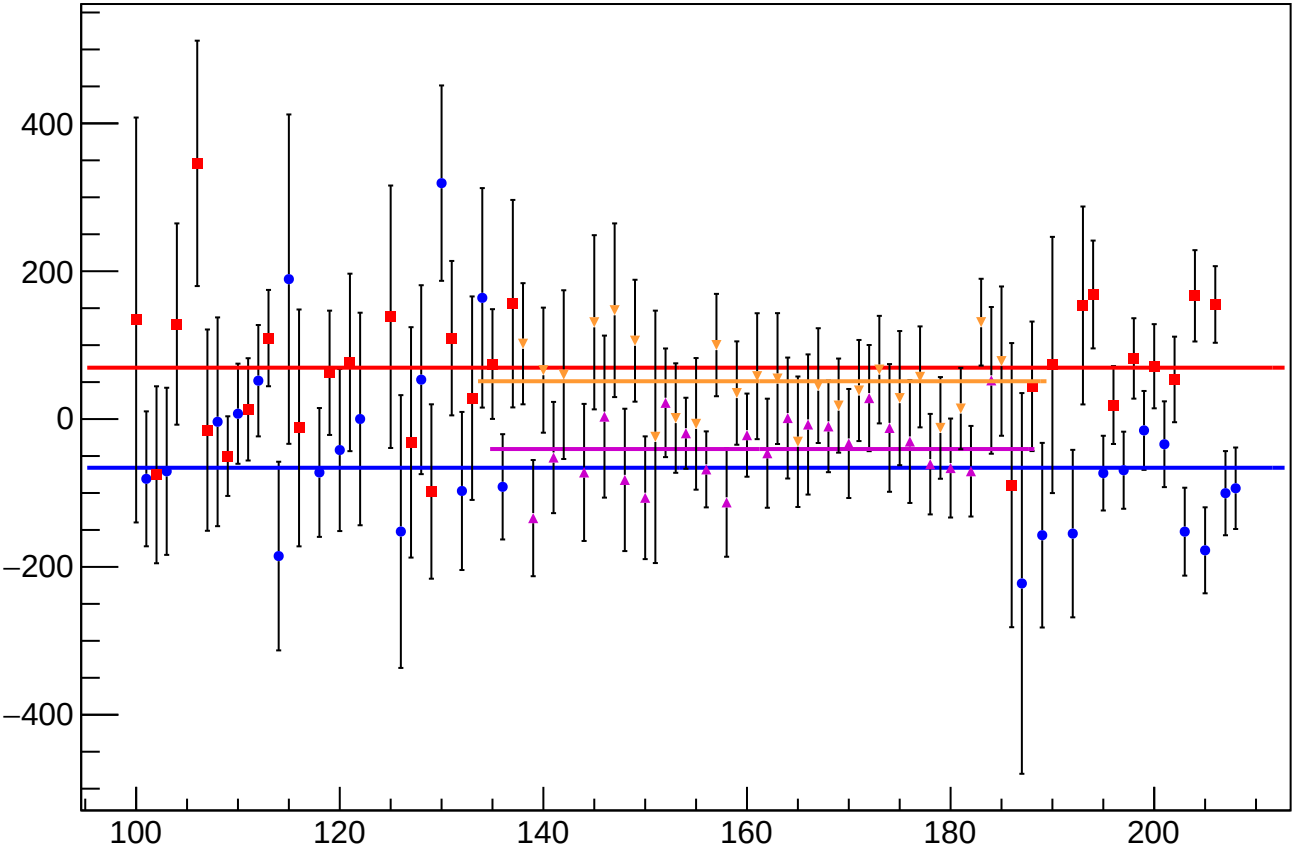
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 181.702+/-0.023 χ^2/NDF: 4310101.2/50

All: 177.746+/-0.016 χ^2/NDF: 8838636.3/102

- sign 174.039+/-0.022 χ^2/NDF: 4470636.2/51

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -65.869+/-15.346 χ^2/NDF: 27.6/26

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 69.510+/-15.501 χ^2/NDF: 23.6/28

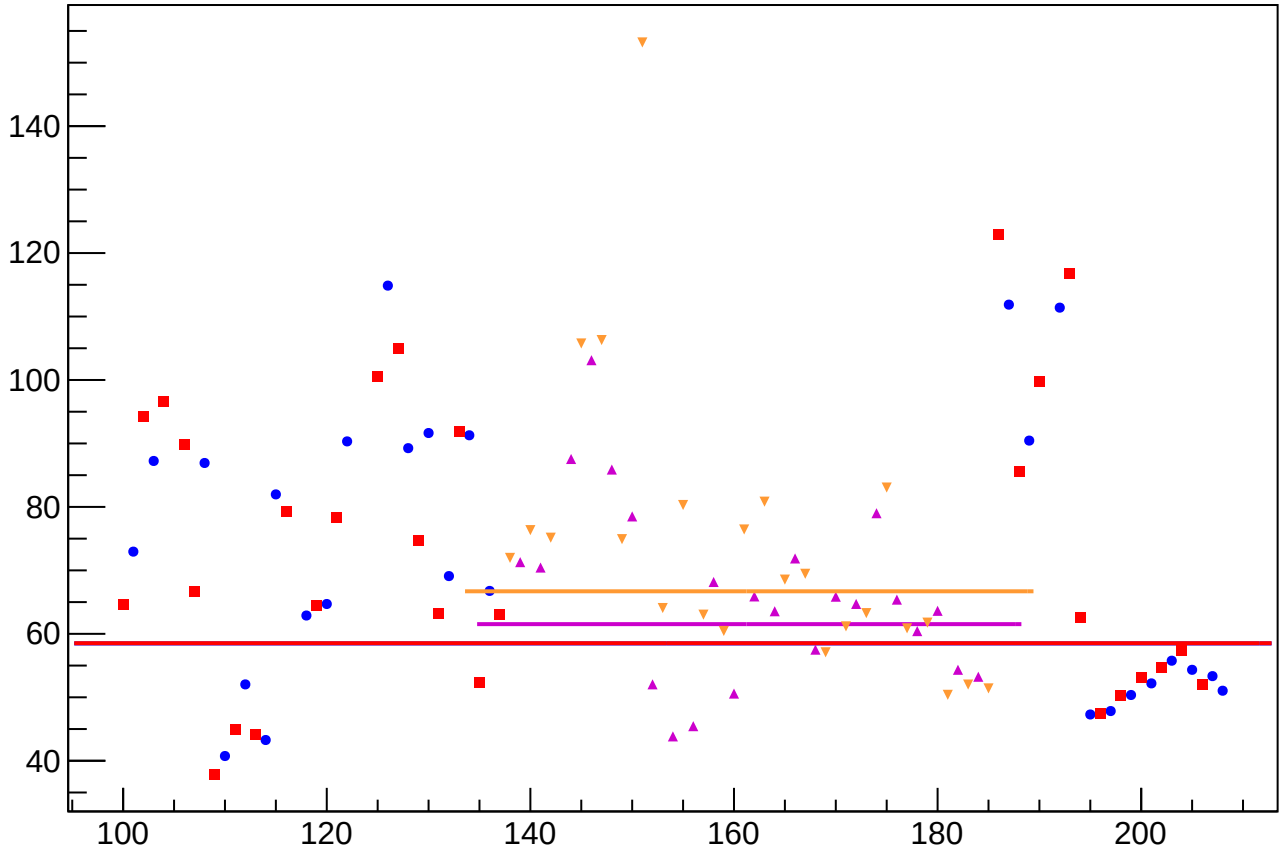
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

\+ sign -9.928+/-11.088 χ^2/NDF: 63.6/50

All: 1.660+/-7.726 χ^2/NDF: 123.2/102

\- sign 12.596+/-10.771 χ^2/NDF: 57.5/51

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 58.484+/-0.011 χ^2/NDF: 2117973.0/26

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 58.524+/-0.011 χ^2/NDF: 2553071.8/28

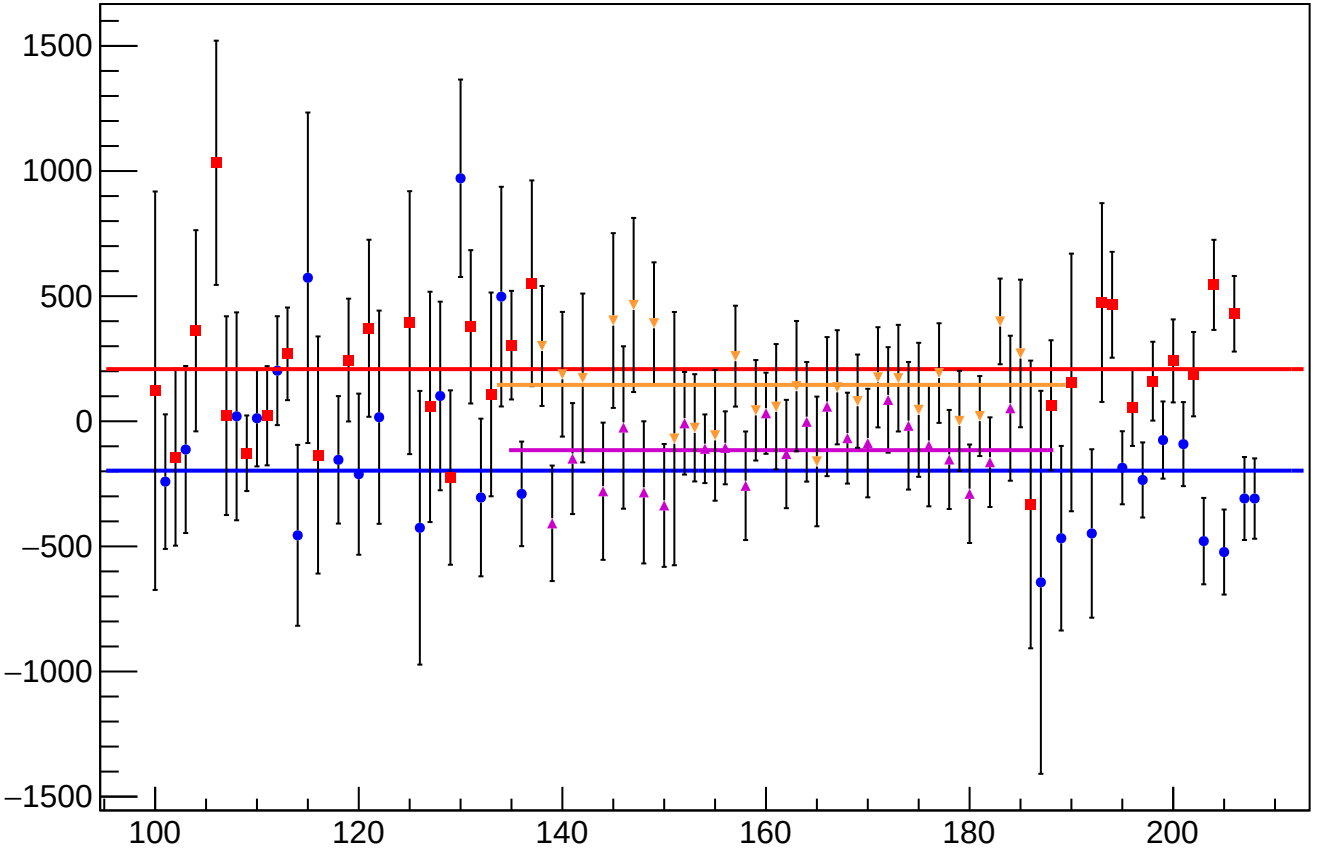
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 62.413+/-0.008 χ^2/NDF: 4068518.6/50

All: 61.212+/-0.005 χ^2/NDF: 8195934.5/102

- sign 60.078+/-0.008 χ^2/NDF: 4081789.7/51

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -197.338+/-44.622 χ^2/NDF: 29.3/26

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 208.375+/-44.981 χ^2/NDF: 23.9/28

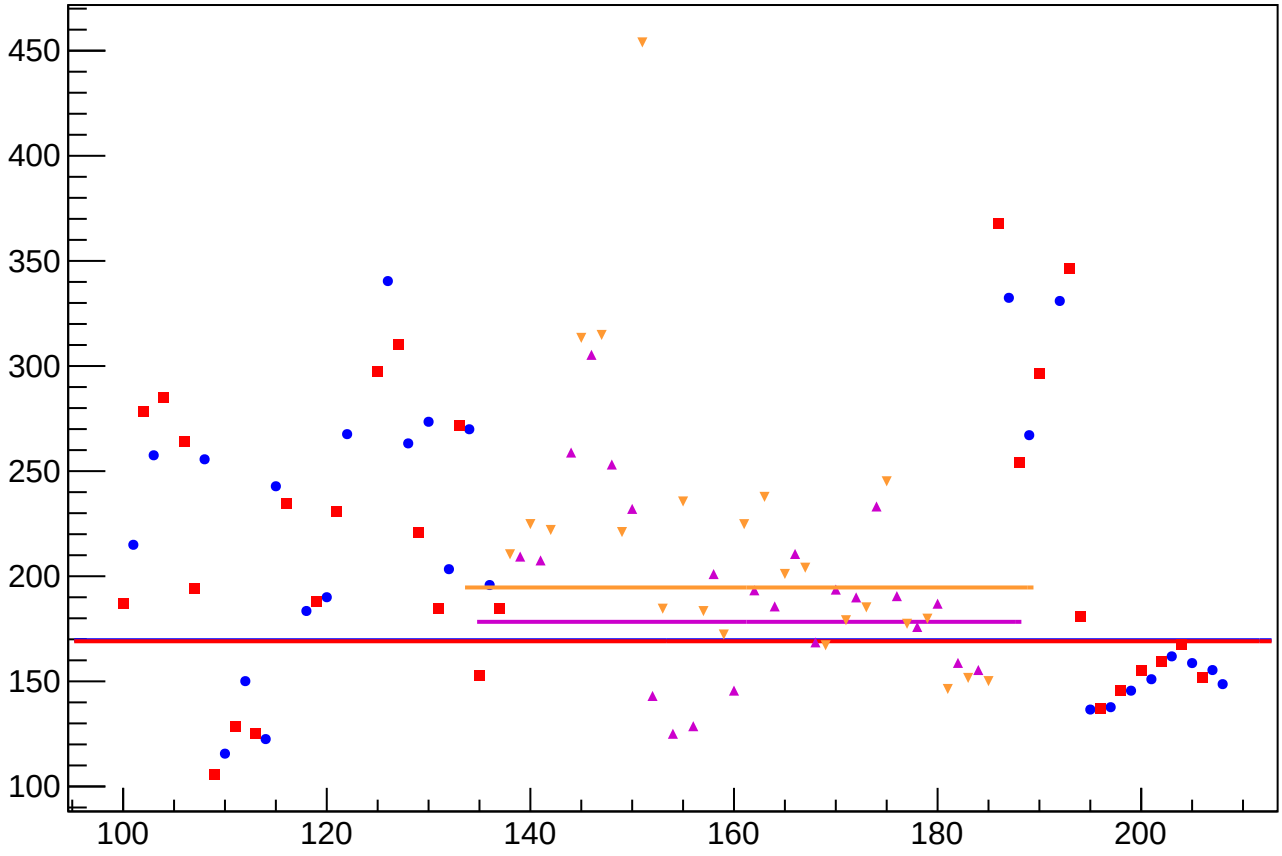
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign -34.417+/-32.324 χ^2/NDF: 67.5/50

All: 4.656+/-22.484 χ^2/NDF: 128.8/102

- sign 41.278+/-31.295 χ^2/NDF: 58.4/51

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 169.568+/-0.032 χ^2/NDF: 2265630.1/26

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 169.070+/-0.032 χ^2/NDF: 2759731.8/28

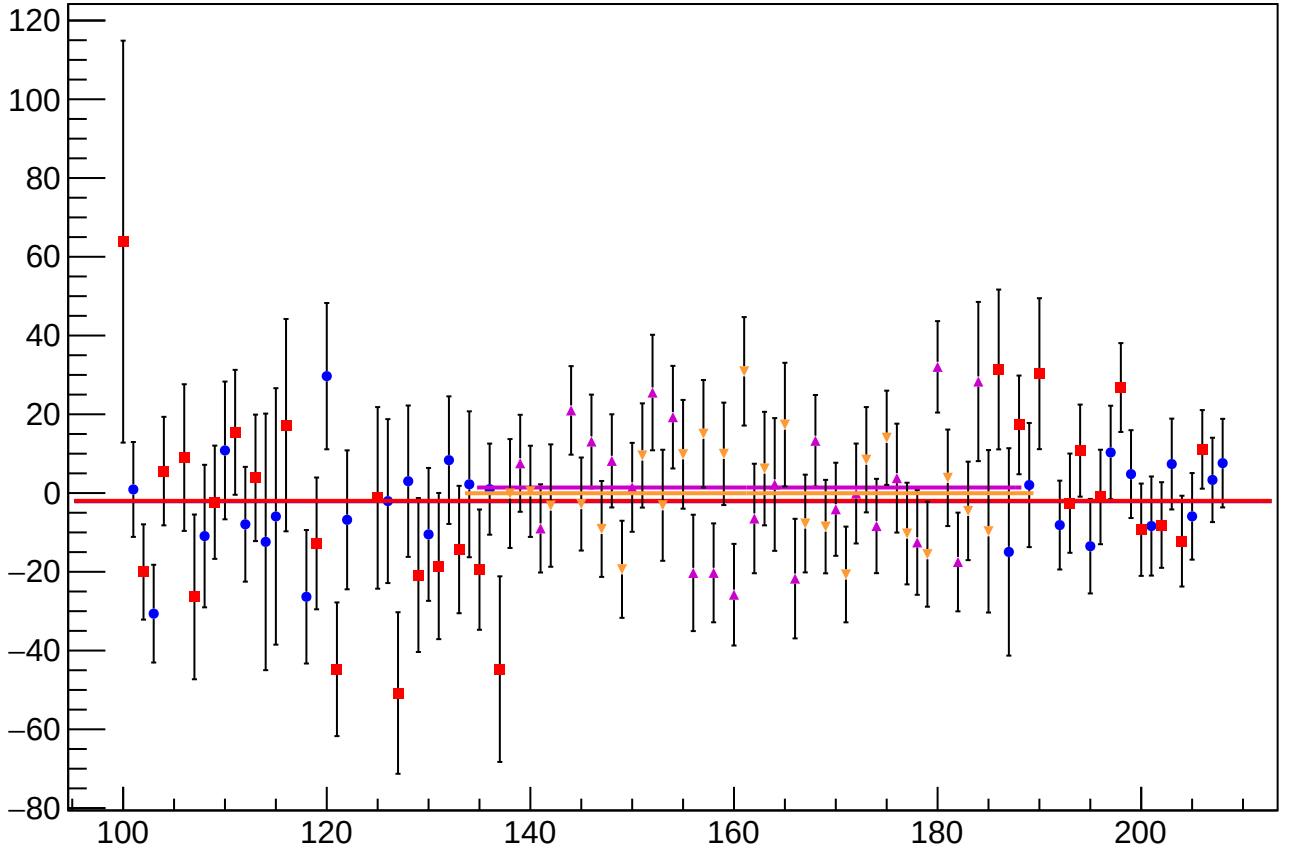
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 181.492+/-0.023 χ^2/NDF: 4319281.1/50

All: 177.543+/-0.016 χ^2/NDF: 8858810.6/102

- sign 173.841+/-0.022 χ^2/NDF: 4481689.9/51

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -2.084+/-2.745 χ^2/NDF: 17.3/26

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -1.985+/-2.756 χ^2/NDF: 45.9/28

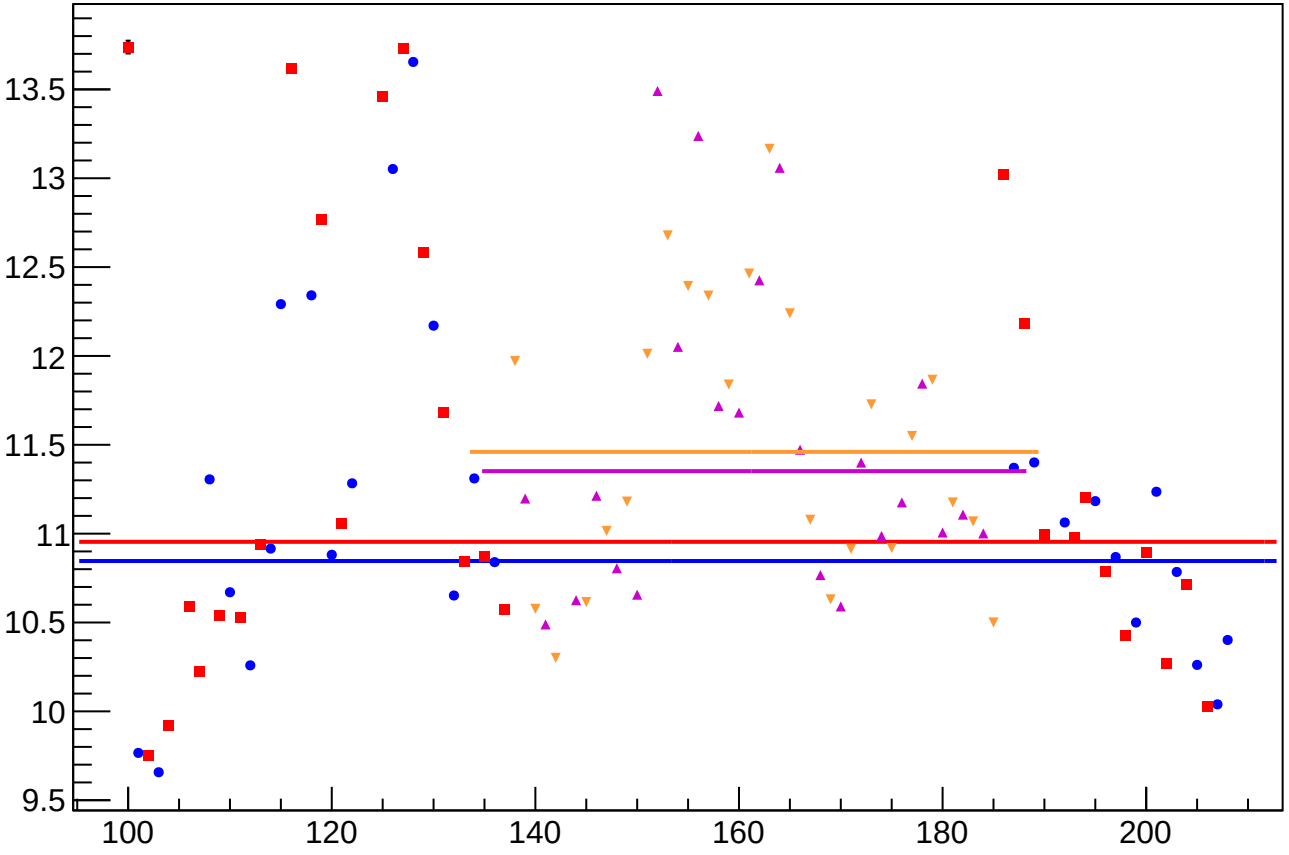
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.043+/-1.919 χ^2/NDF: 38.1/50

All: -0.640+/-1.357 χ^2/NDF: 121.2/102

- sign -0.238+/-1.919 χ^2/NDF: 83.0/51

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.846+/-0.002 χ^2/NDF: 168510.7/26

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 10.954+/-0.002 χ^2/NDF: 236013.4/28

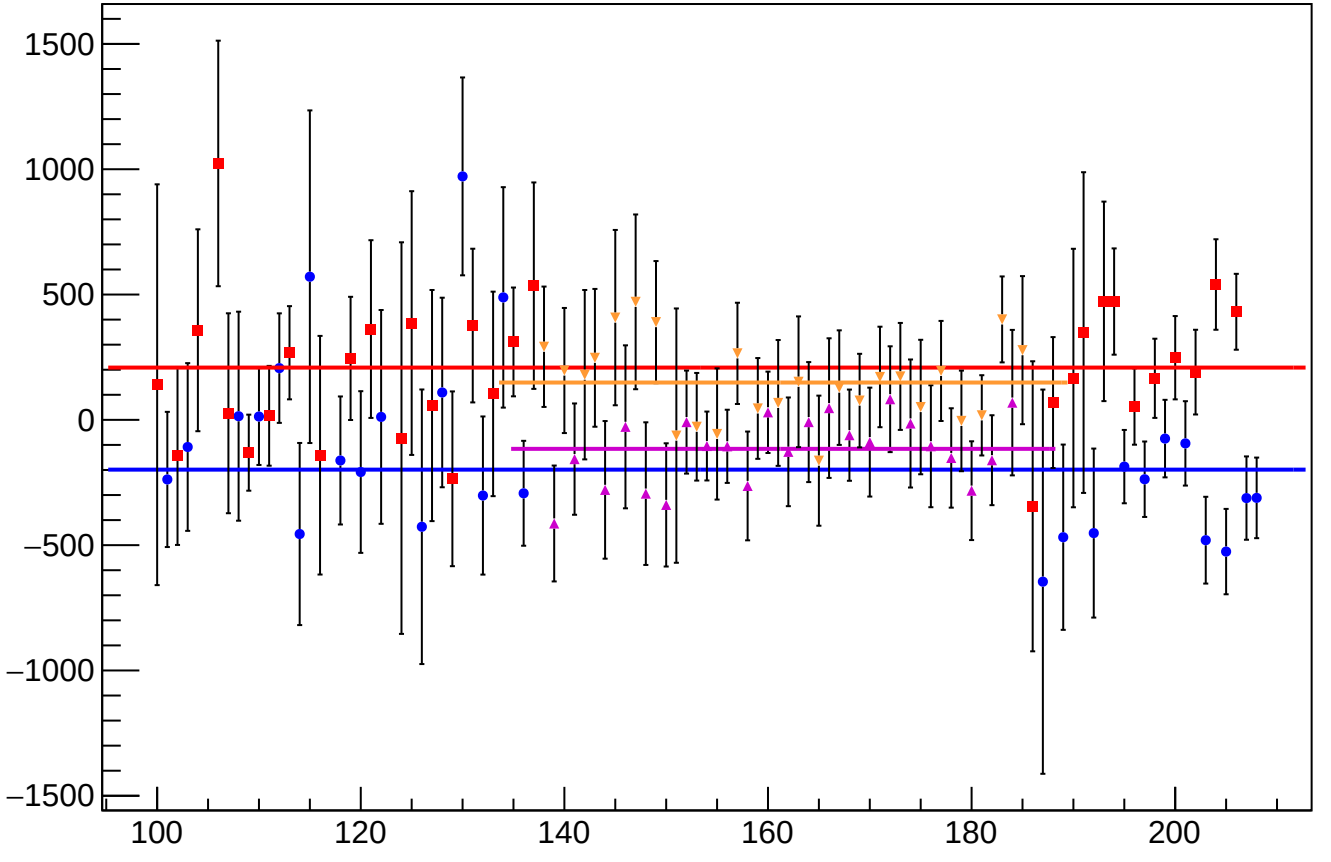
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.160+/-0.001 χ^2/NDF: 370090.6/50

All: 11.159+/-0.001 χ^2/NDF: 798123.3/102

- sign 11.159+/-0.001 χ^2/NDF: 428032.5/51

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -198.638+/-44.738 χ^2/NDF: 29.3/26

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 208.581+/-44.918 χ^2/NDF: 24.0/30

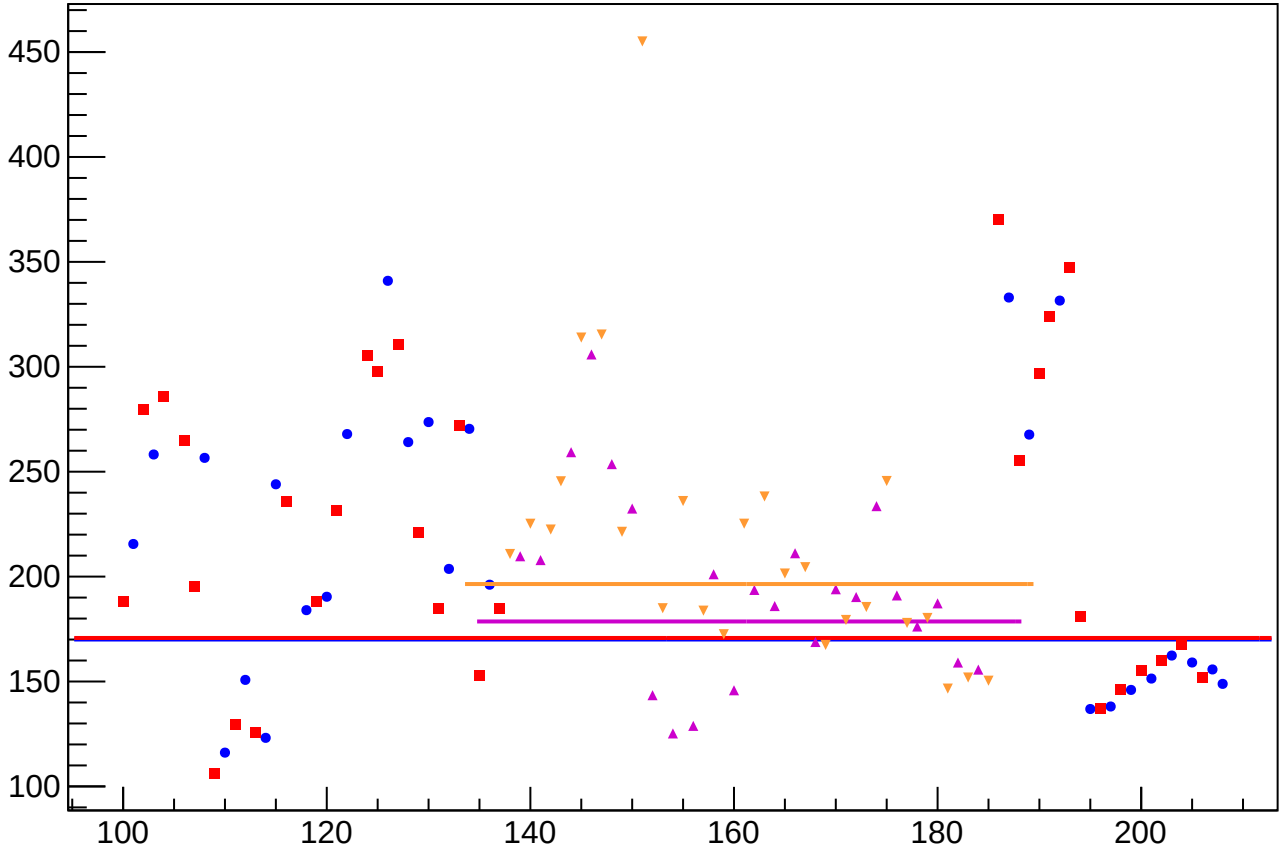
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign -30.854+/-32.175 χ^2/NDF: 68.9/51

All: 6.452+/-22.436 χ^2/NDF: 130.2/105

- sign 41.758+/-31.301 χ^2/NDF: 58.7/53

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 170.018+/-0.032 χ^2/NDF: 2261101.2/26

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 170.751+/-0.032 χ^2/NDF: 2932548.9/30

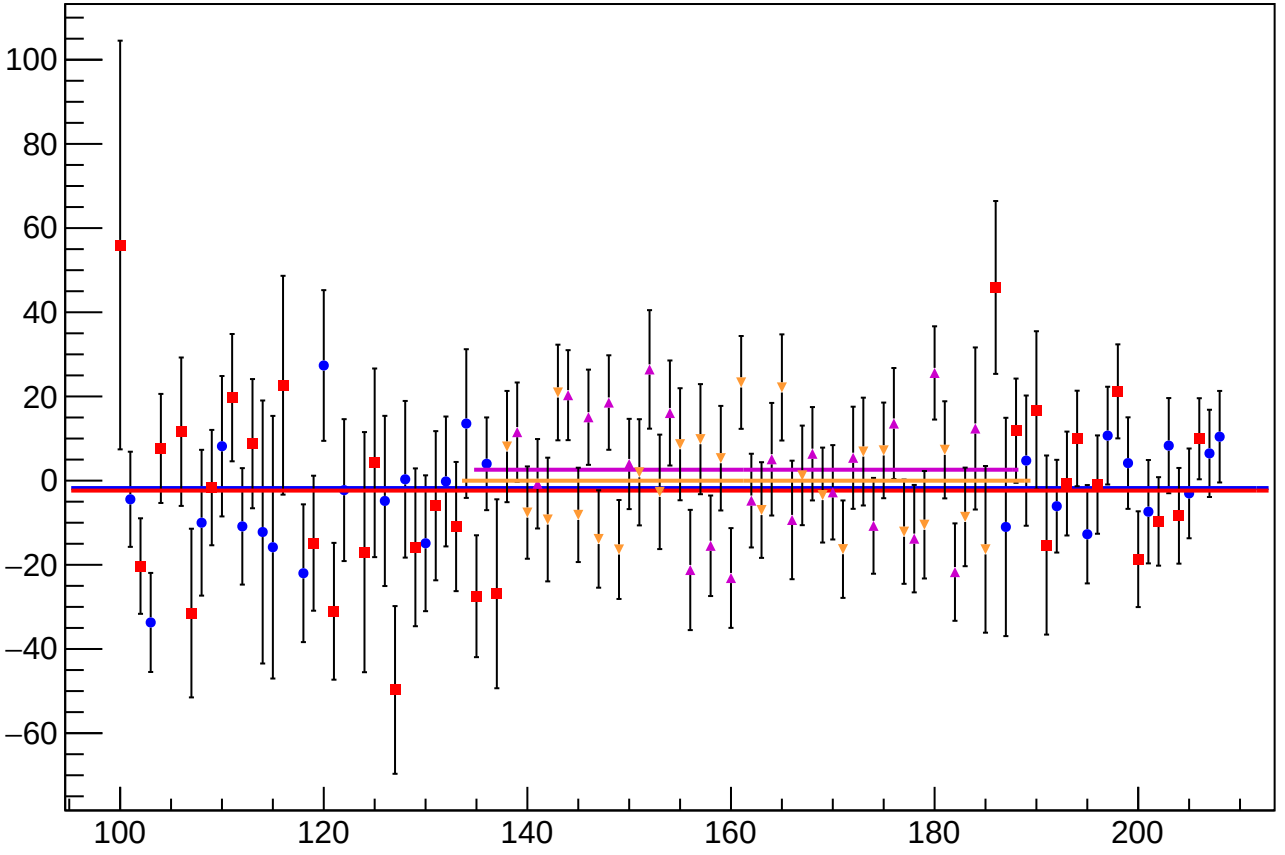
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 182.781+/-0.023 χ^2/NDF: 4416997.1/51

All: 178.679+/-0.016 χ^2/NDF: 9123212.1/105

- sign 174.796+/-0.022 χ^2/NDF: 4642931.0/53

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -1.767+/-2.648 χ^2/NDF: 20.4/26

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -2.365+/-2.630 χ^2/NDF: 44.0/30

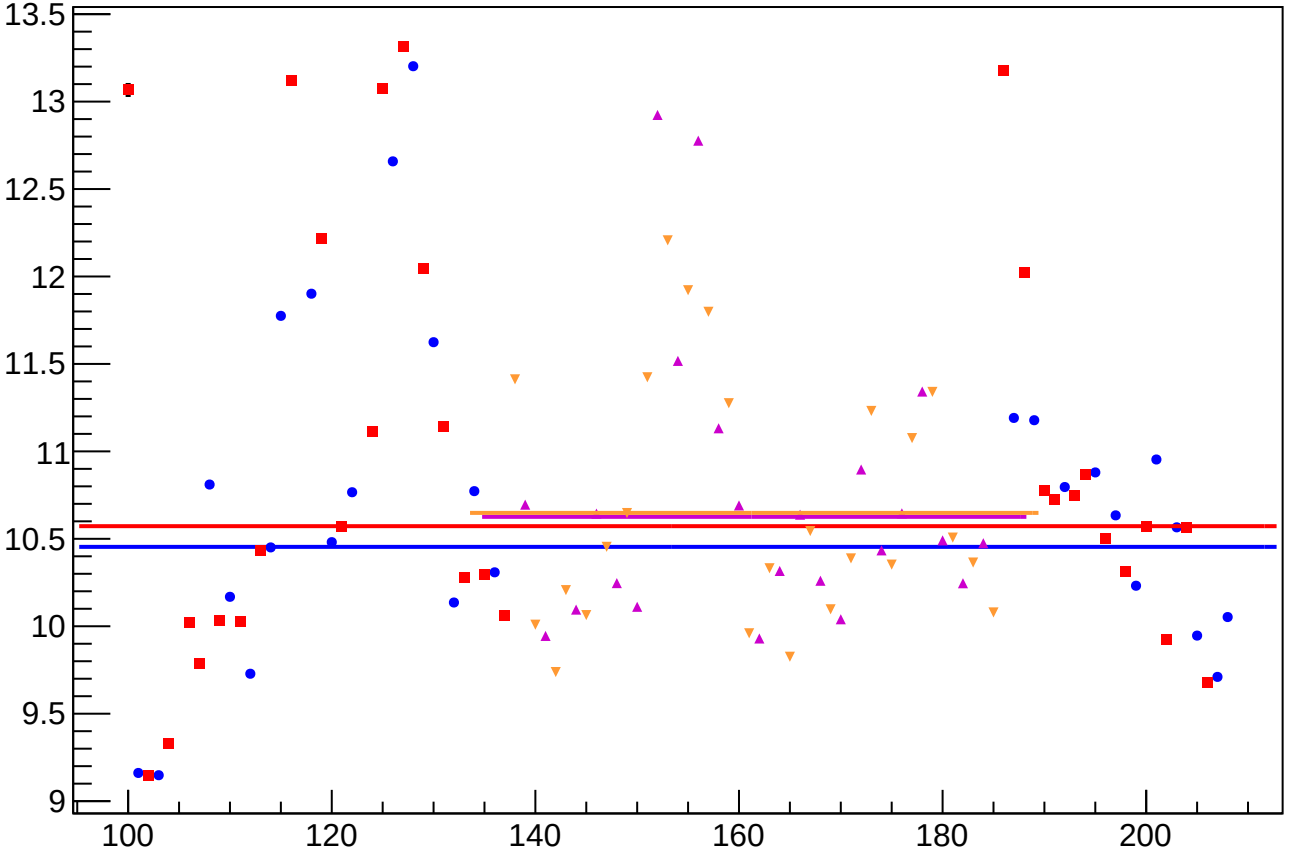
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -0.822+/-1.796 χ^2/NDF: 44.3/51

All: -0.300+/-1.276 χ^2/NDF: 125.2/105

- sign 0.232+/-1.814 χ^2/NDF: 80.7/53

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.454+/-0.002 χ^2/NDF: 190350.6/26

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.572+/-0.002 χ^2/NDF: 274738.9/30

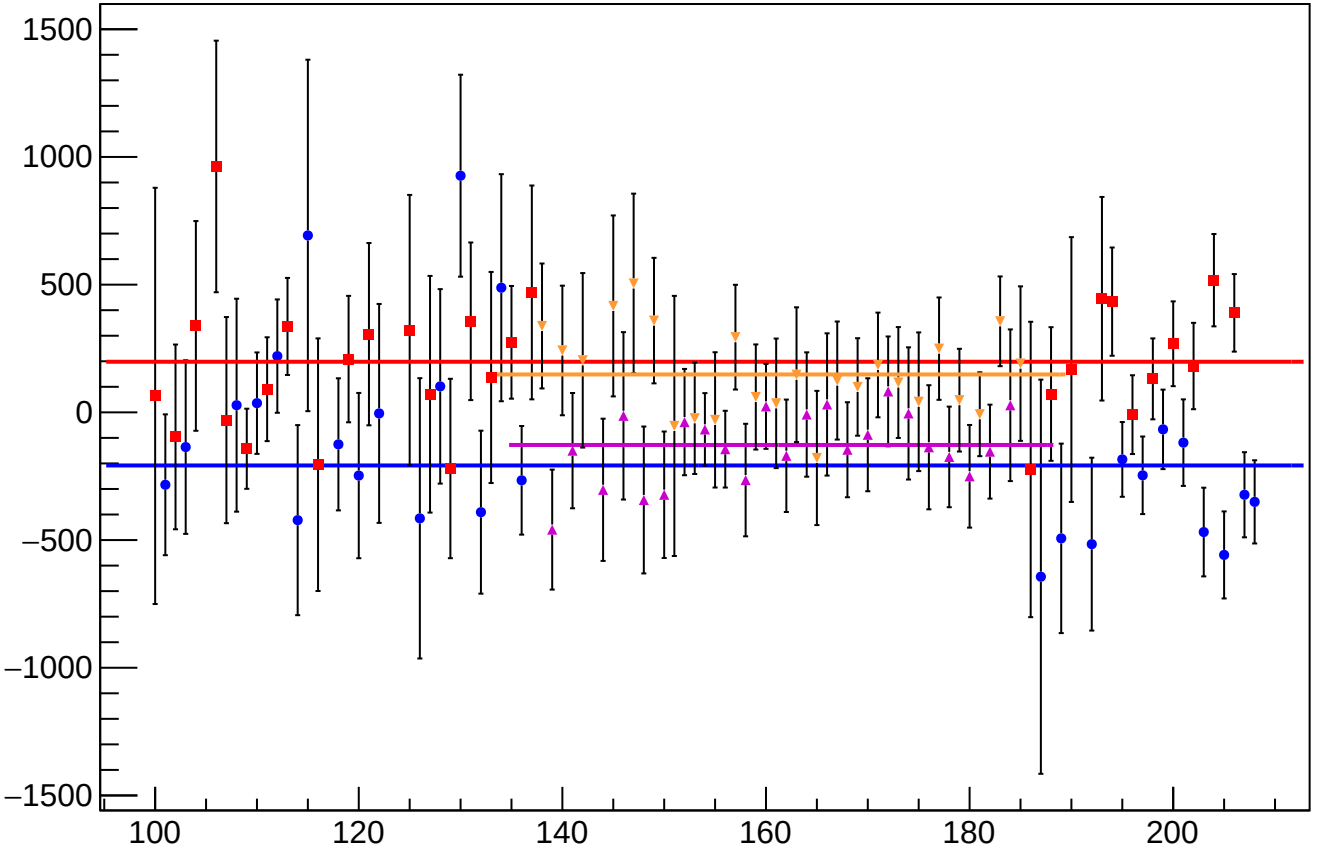
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.559+/-0.001 χ^2/NDF: 339698.2/51

All: 10.579+/-0.001 χ^2/NDF: 774937.9/105

- sign 10.600+/-0.001 χ^2/NDF: 434713.6/53

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -207.913+/-45.113 χ^2/NDF: 30.6/26

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 198.162+/-45.547 χ^2/NDF: 21.5/28

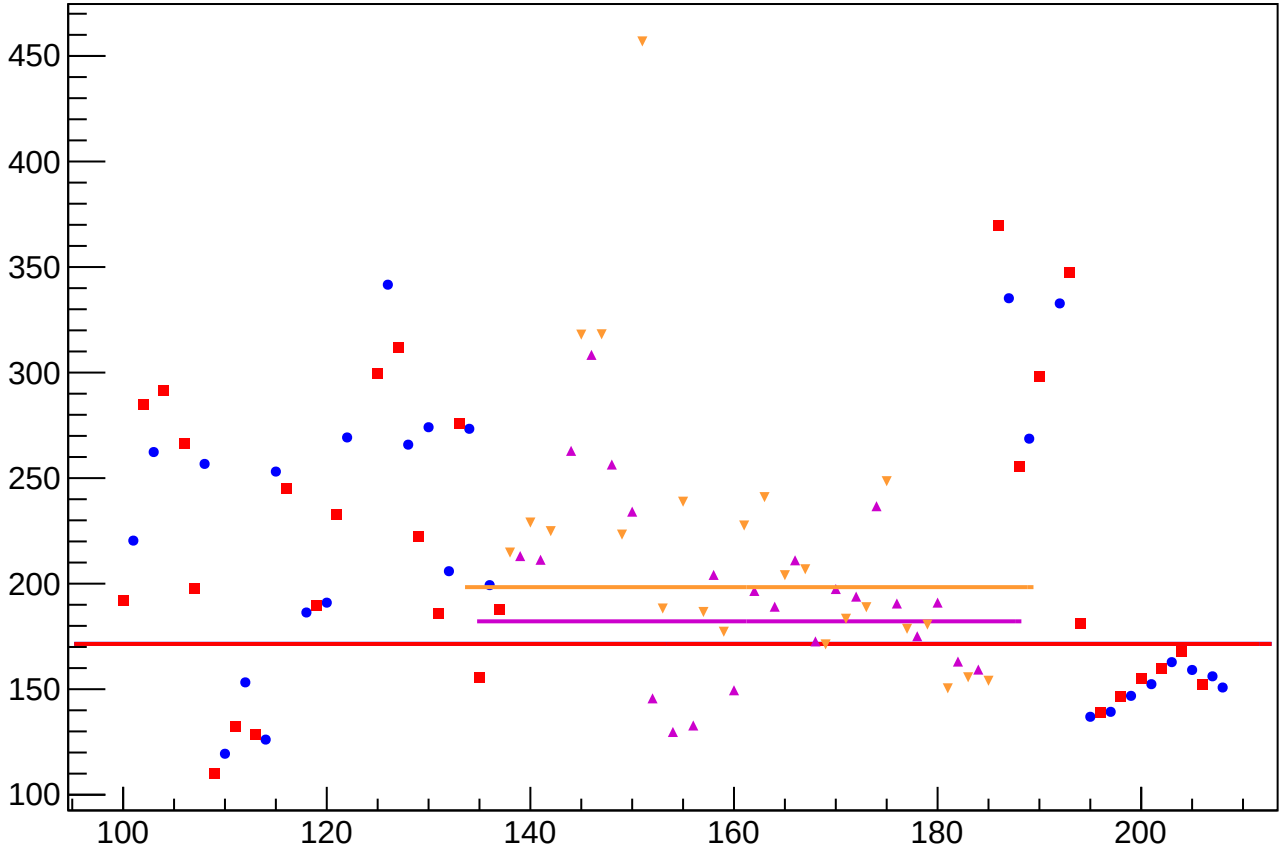
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

\+ sign -39.737+/-32.783 χ^2/NDF: 69.9/50

All: -3.208+/-22.827 χ^2/NDF: 127.9/102

\- sign 31.169+/-31.803 χ^2/NDF: 55.5/51

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 171.497+/-0.032 χ^2/NDF: 2252234.1/26

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 171.446+/-0.032 χ^2/NDF: 2694887.9/28

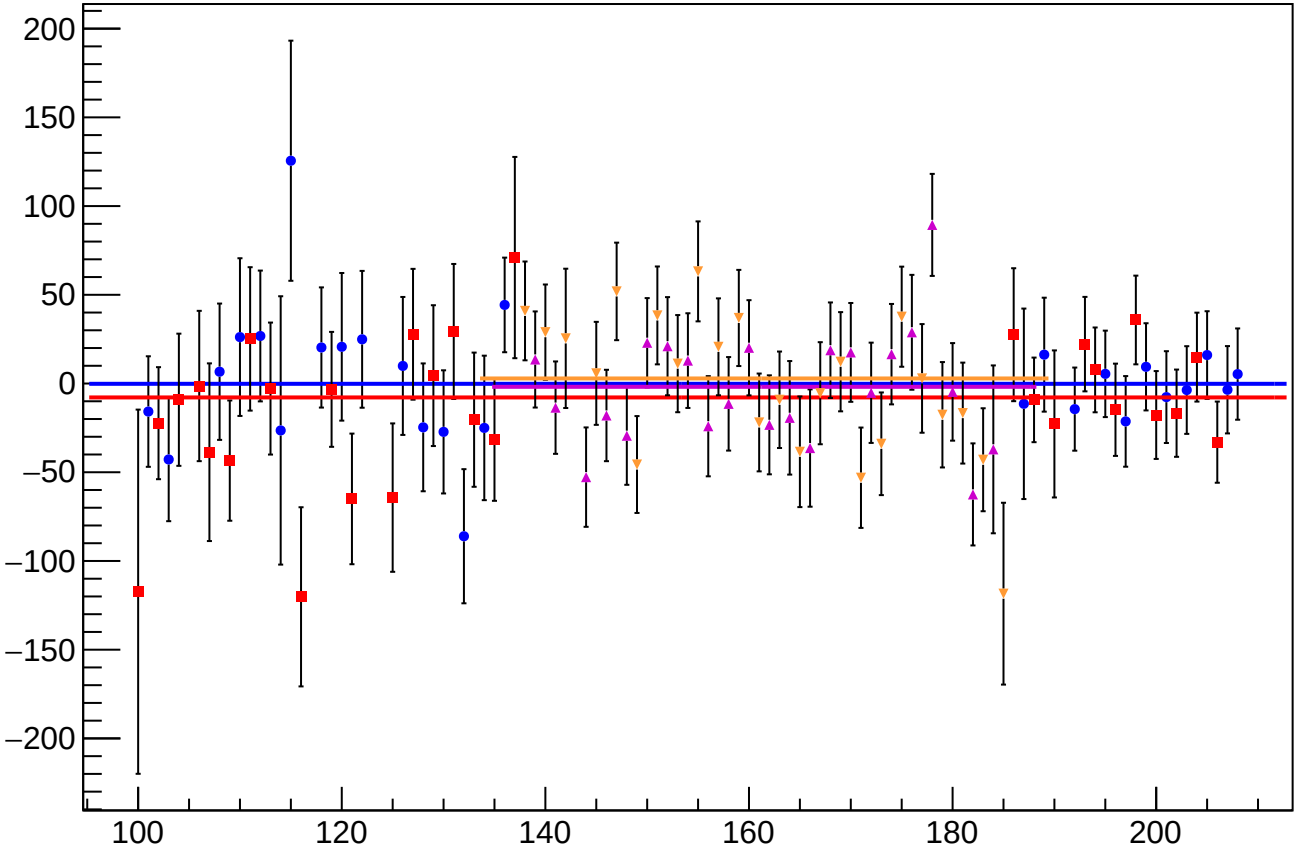
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 184.170+/-0.023 χ^2/NDF: 4283751.3/50

All: 180.441+/-0.016 χ^2/NDF: 8669849.6/102

- sign 176.931+/-0.022 χ^2/NDF: 4335855.9/51

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -0.161+/-6.062 χ^2/NDF: 18.9/26

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -7.839+/-6.016 χ^2/NDF: 25.4/28

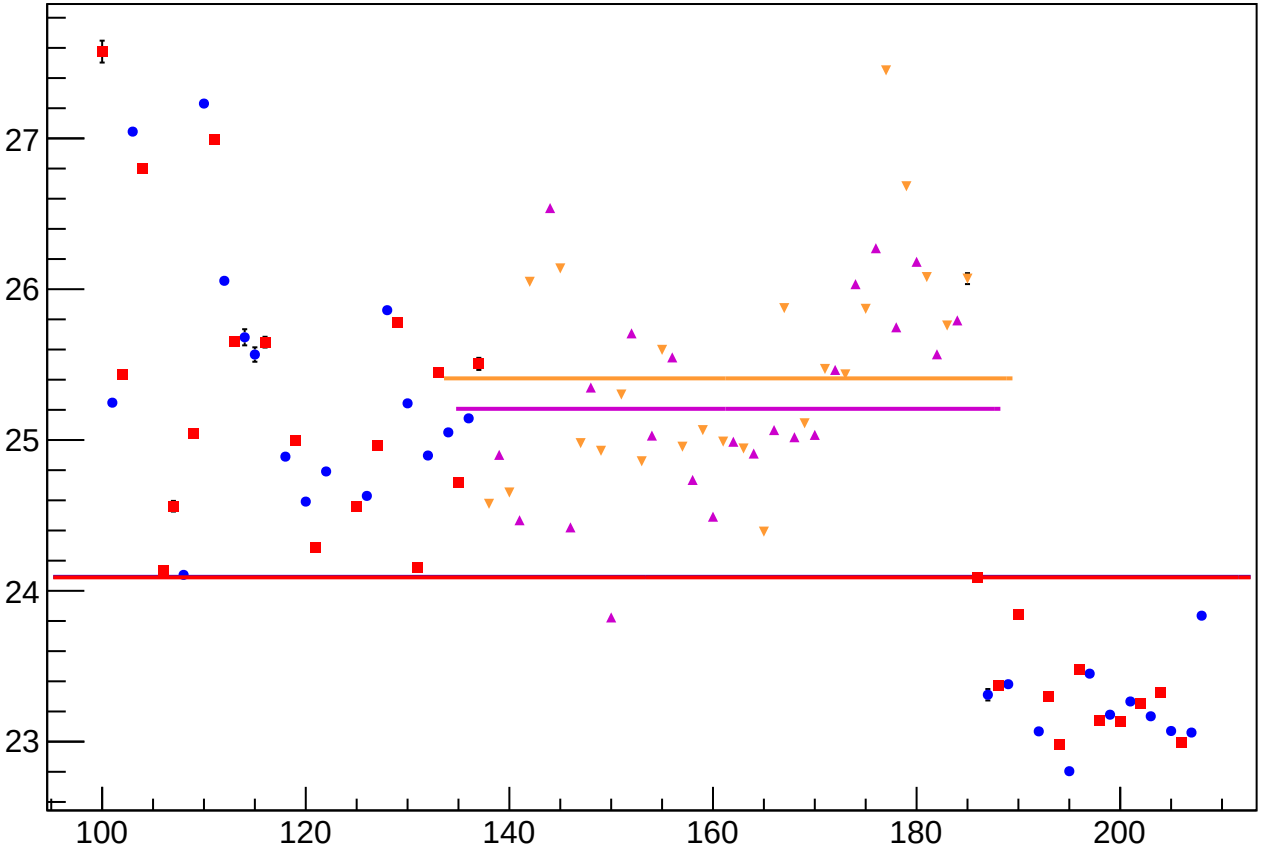
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.385+/-4.230 χ^2/NDF: 55.9/50

All: -1.714+/-2.984 χ^2/NDF: 111.0/102

- sign -4.783+/-4.210 χ^2/NDF: 54.0/51

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 24.093+/-0.004 χ^2/NDF: 76053.9/26

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.089+/-0.004 χ^2/NDF: 68873.3/28

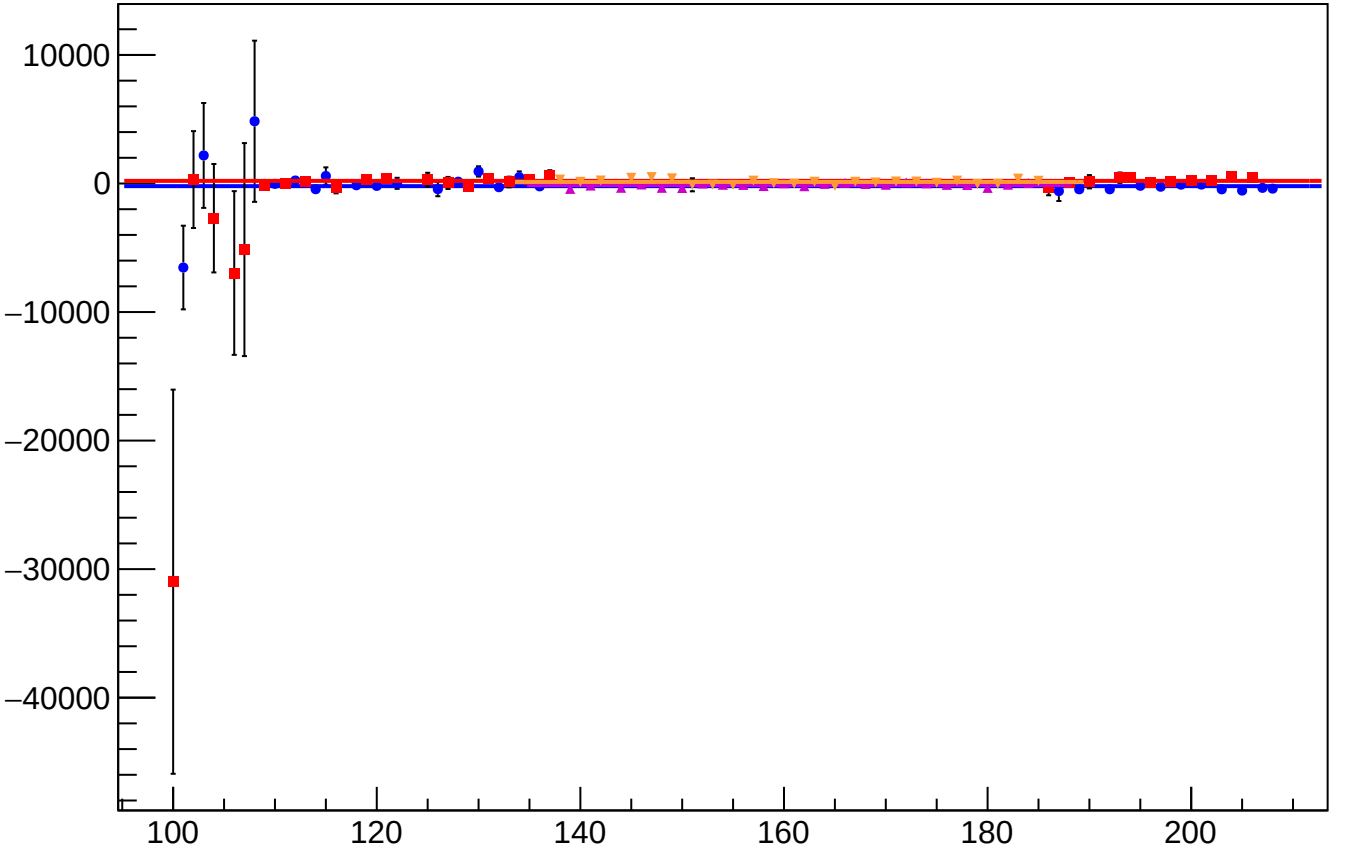
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.768+/-0.003 χ^2/NDF: 151295.8/50

All: 24.714+/-0.002 χ^2/NDF: 281870.2/102

- sign 24.660+/-0.003 χ^2/NDF: 129915.0/51

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -206.402+/-47.086 χ^2/NDF: 33.7/26

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 204.571+/-48.344 χ^2/NDF: 24.7/28

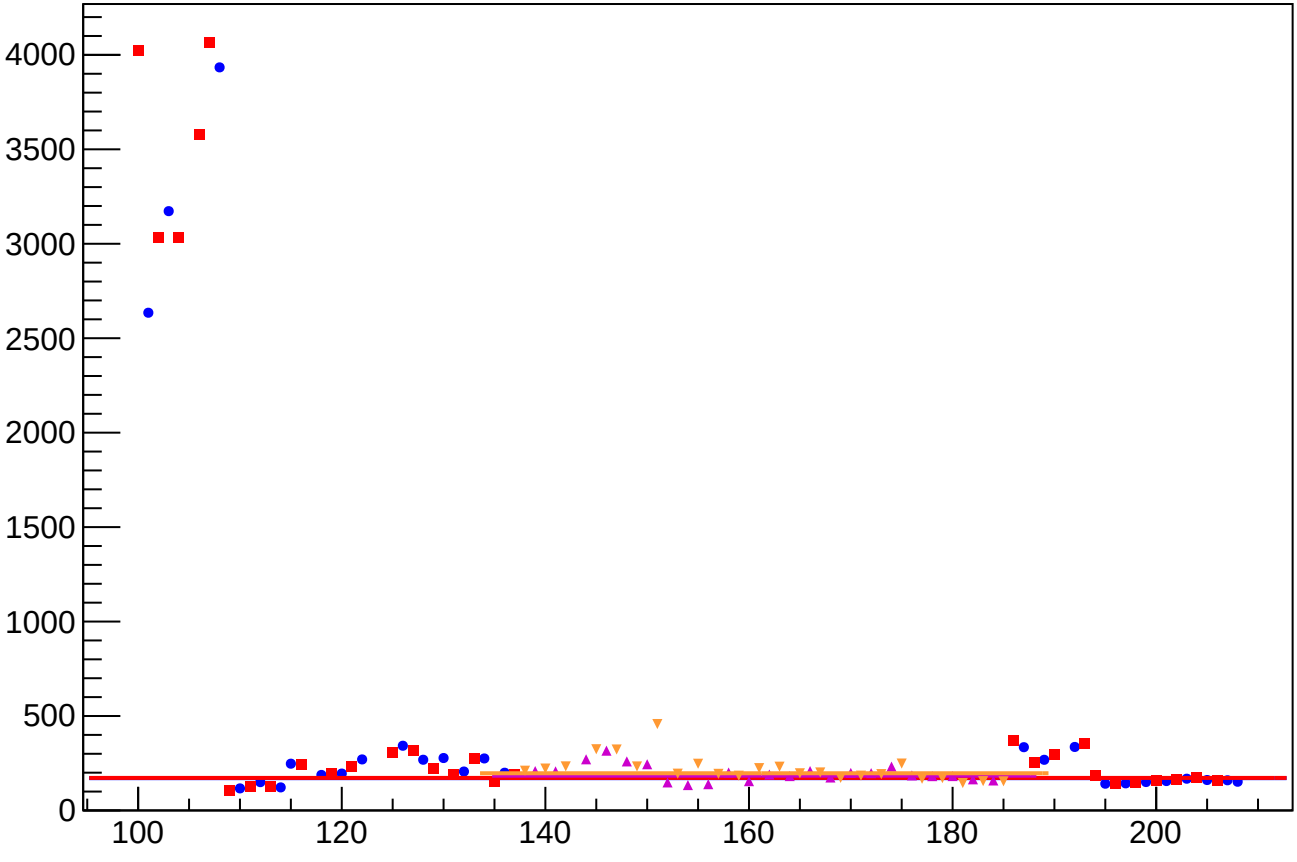
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -44.312+/-33.419 χ^2/NDF: 69.5/50

All: -5.544+/-23.429 χ^2/NDF: 129.0/102

- sign 31.925+/-32.854 χ^2/NDF: 56.8/51

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 170.964+/-0.033 χ^2/NDF: 4869849.7/26

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 172.263+/-0.034 χ^2/NDF: 5355940.8/28

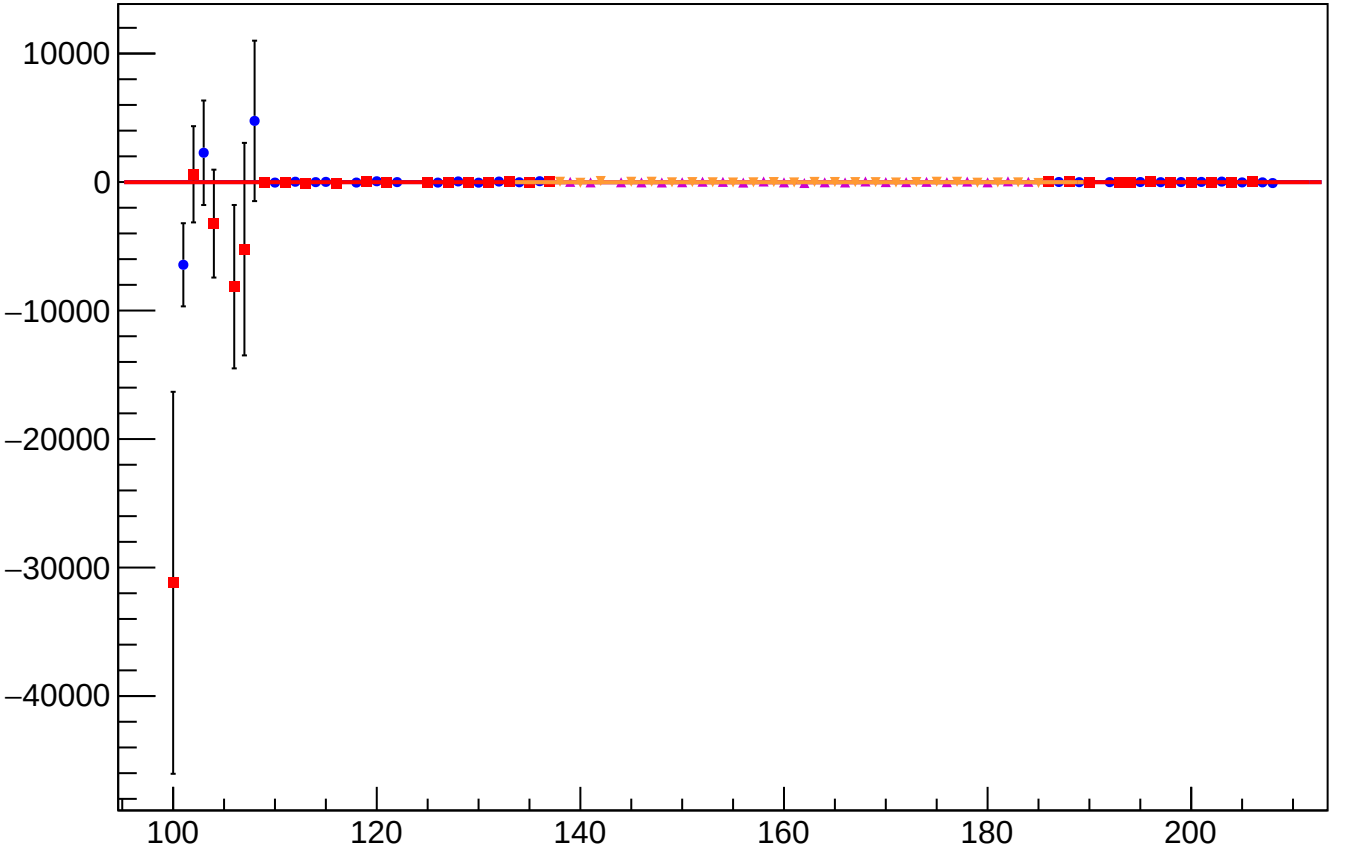
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 183.852+/-0.024 χ^2/NDF: 6981058.1/50

All: 181.185+/-0.017 χ^2/NDF: 13871476.4/10

- sign 178.607+/-0.023 χ^2/NDF: 6865358.5/51

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: -4.880+/-7.257 χ^2/NDF: 28.9/26

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -11.776+/-7.359 χ^2/NDF: 30.4/28

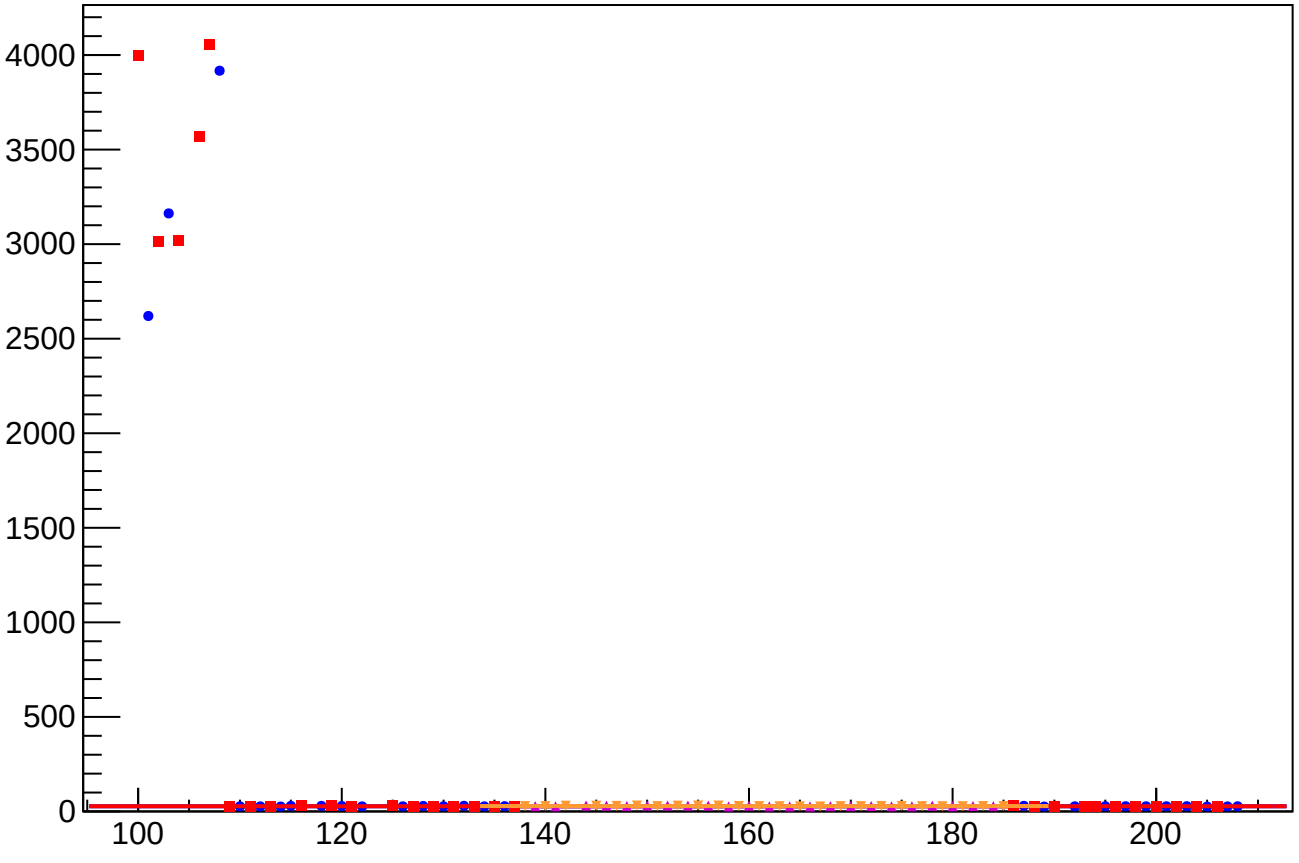
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -8.265+/-4.904 χ^2/NDF: 46.8/50

All: -7.526+/-3.490 χ^2/NDF: 100.4/102

- sign -6.768+/-4.967 χ^2/NDF: 53.5/51

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.321+/-0.005 χ^2/NDF: 3284730.6/26

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.485+/-0.005 χ^2/NDF: 3582291.6/28

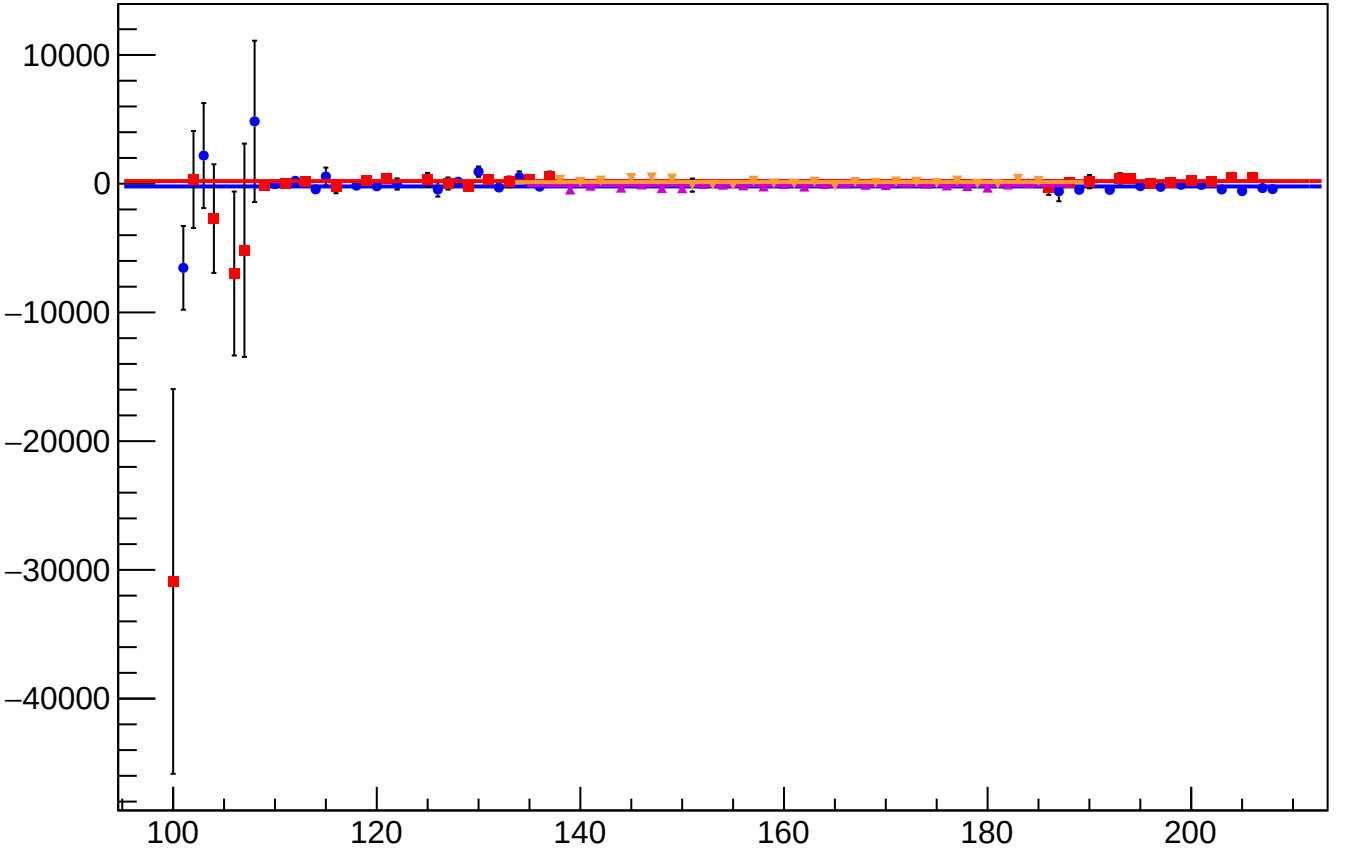
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.012+/-0.003 χ^2/NDF: 3399093.9/50

All: 28.085+/-0.002 χ^2/NDF: 7140758.7/102

\- sign 28.161+/-0.004 χ^2/NDF: 3740744.8/51

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -213.343+/-47.289 χ^2/NDF: 34.0/26

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 202.010+/-48.539 χ^2/NDF: 23.0/28

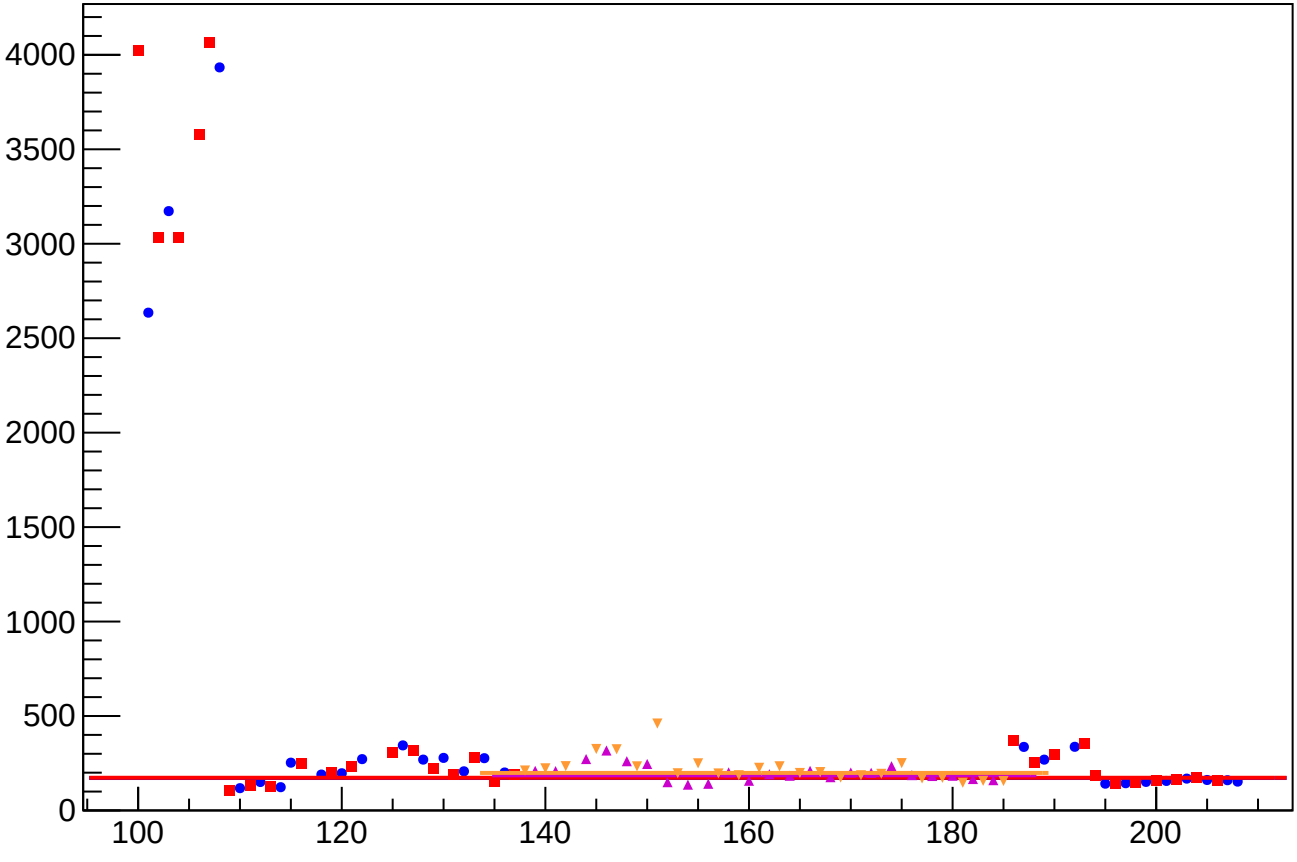
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -45.496+/-33.636 χ^2/NDF: 71.1/50

All: -8.113+/-23.584 χ^2/NDF: 128.5/102

- sign 28.041+/-33.078 χ^2/NDF: 55.0/51

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 171.711+/-0.033 χ^2/NDF: 4867370.8/26

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 173.003+/-0.034 χ^2/NDF: 5345301.2/28

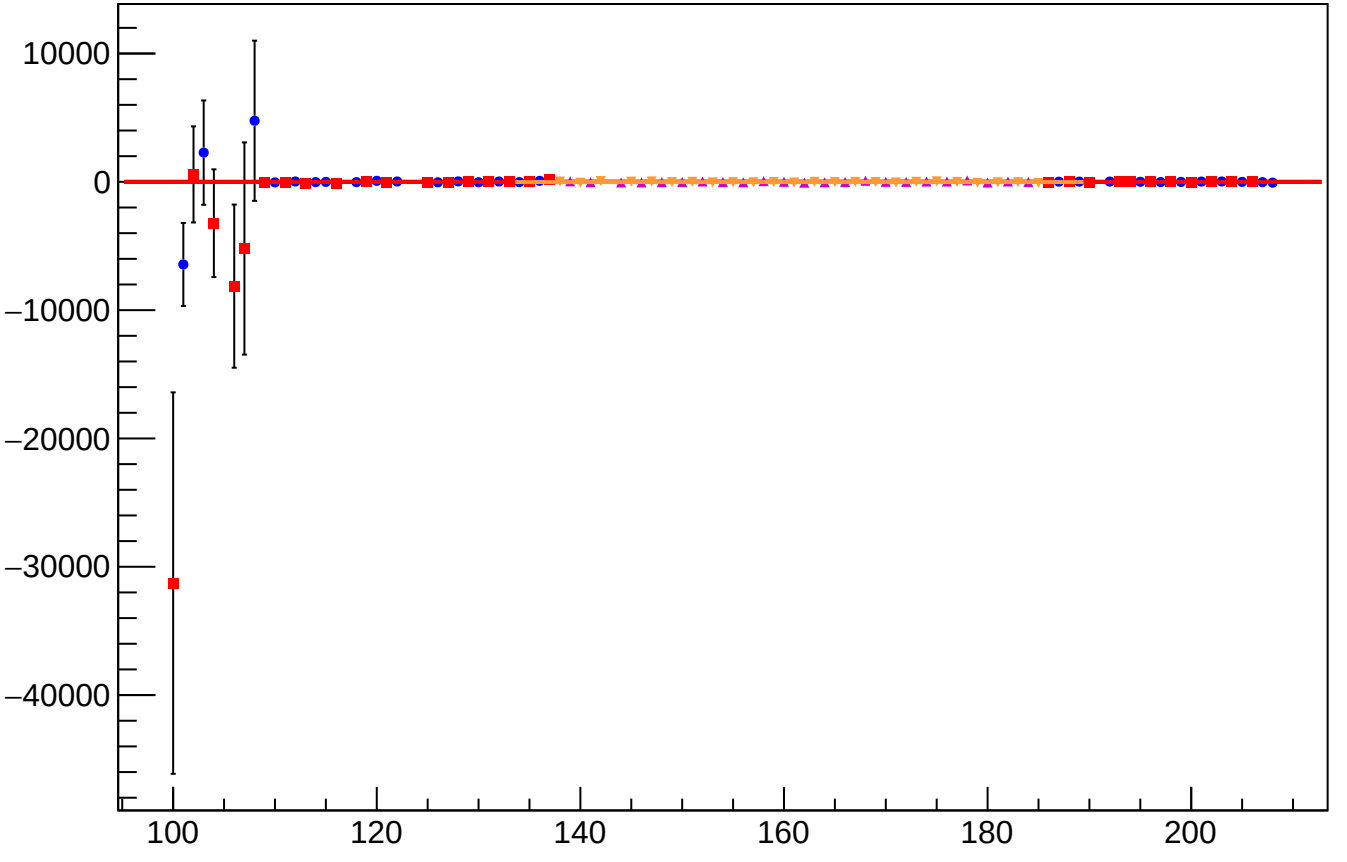
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 185.063+/-0.024 χ^2/NDF: 6976512.0/50

All: 182.436+/-0.017 χ^2/NDF: 13826625.2/10

- sign 179.895+/-0.023 χ^2/NDF: 6826110.7/51

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 3.392+/-8.016 χ^2/NDF: 22.6/26

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -5.879+/-8.118 χ^2/NDF: 37.7/28

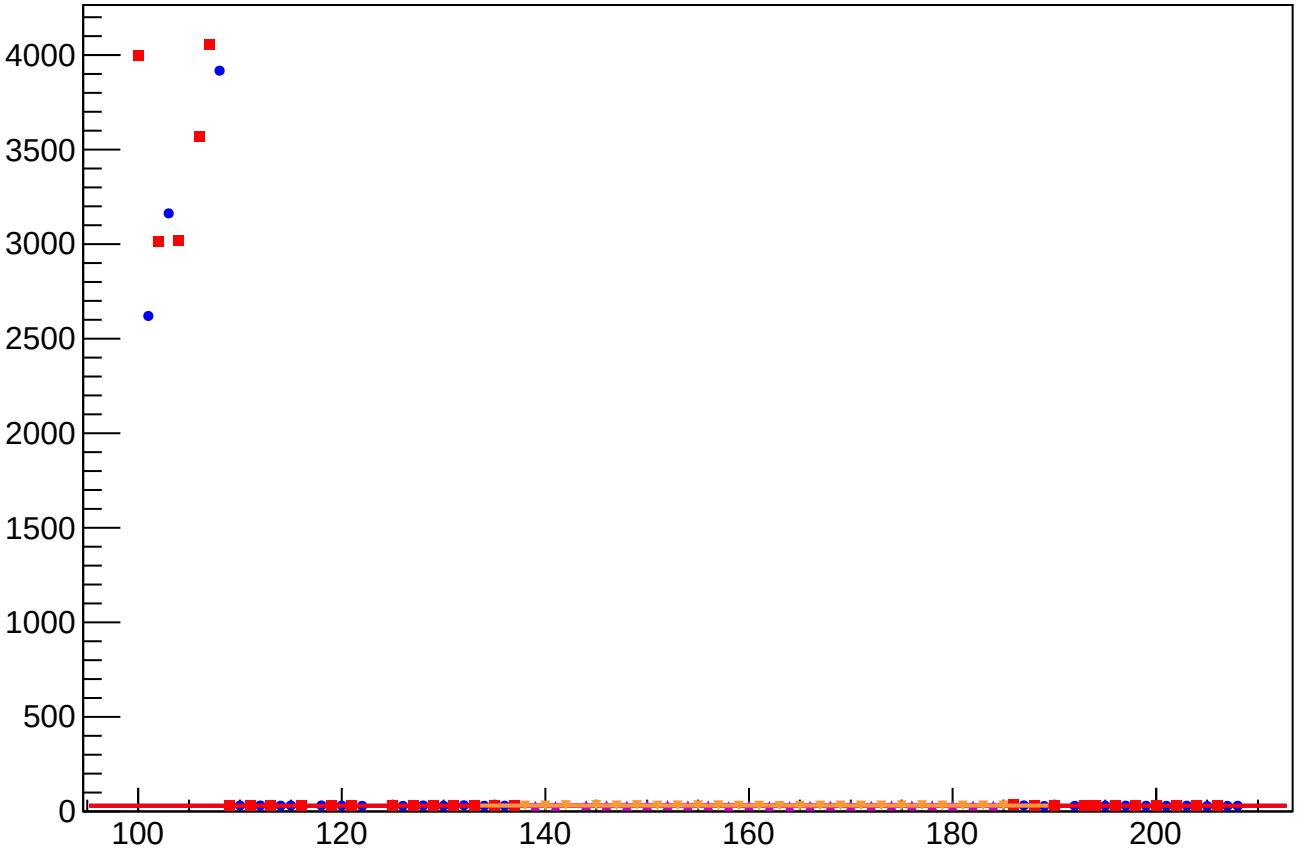
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -8.464+/-5.381 χ^2/NDF: 46.9/50

All: -4.856+/-3.828 χ^2/NDF: 121.7/102

- sign -1.158+/-5.448 χ^2/NDF: 73.9/51

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.191+/-0.006 χ^2/NDF: 3273603.3/26

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.340+/-0.006 χ^2/NDF: 3560858.4/28

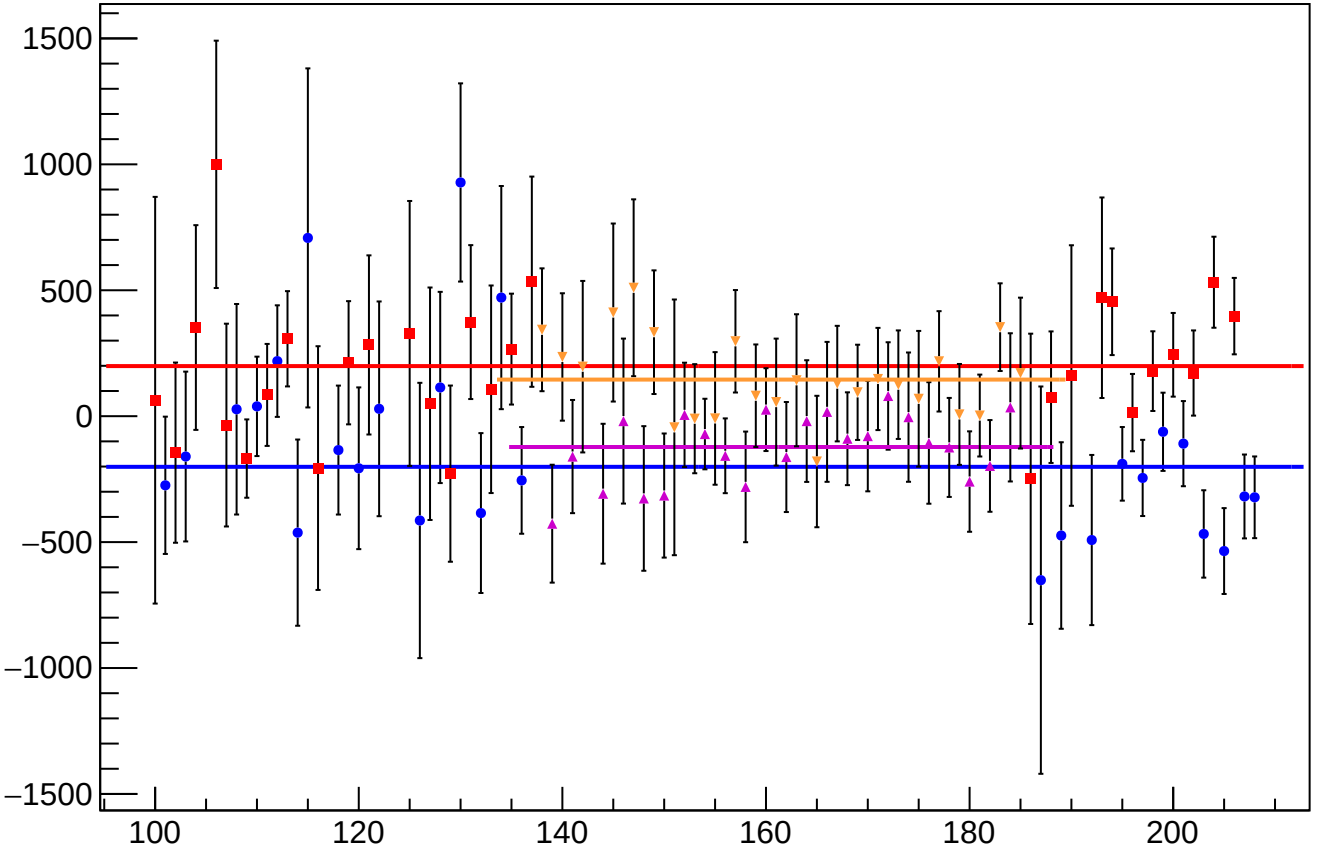
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.757+/-0.004 χ^2/NDF: 3339188.4/50

All: 30.833+/-0.003 χ^2/NDF: 7004111.7/102

- sign 30.911+/-0.004 χ^2/NDF: 3664111.9/51

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -201.094+/-44.970 χ^2/NDF: 30.0/26

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 198.907+/-45.391 χ^2/NDF: 23.3/28

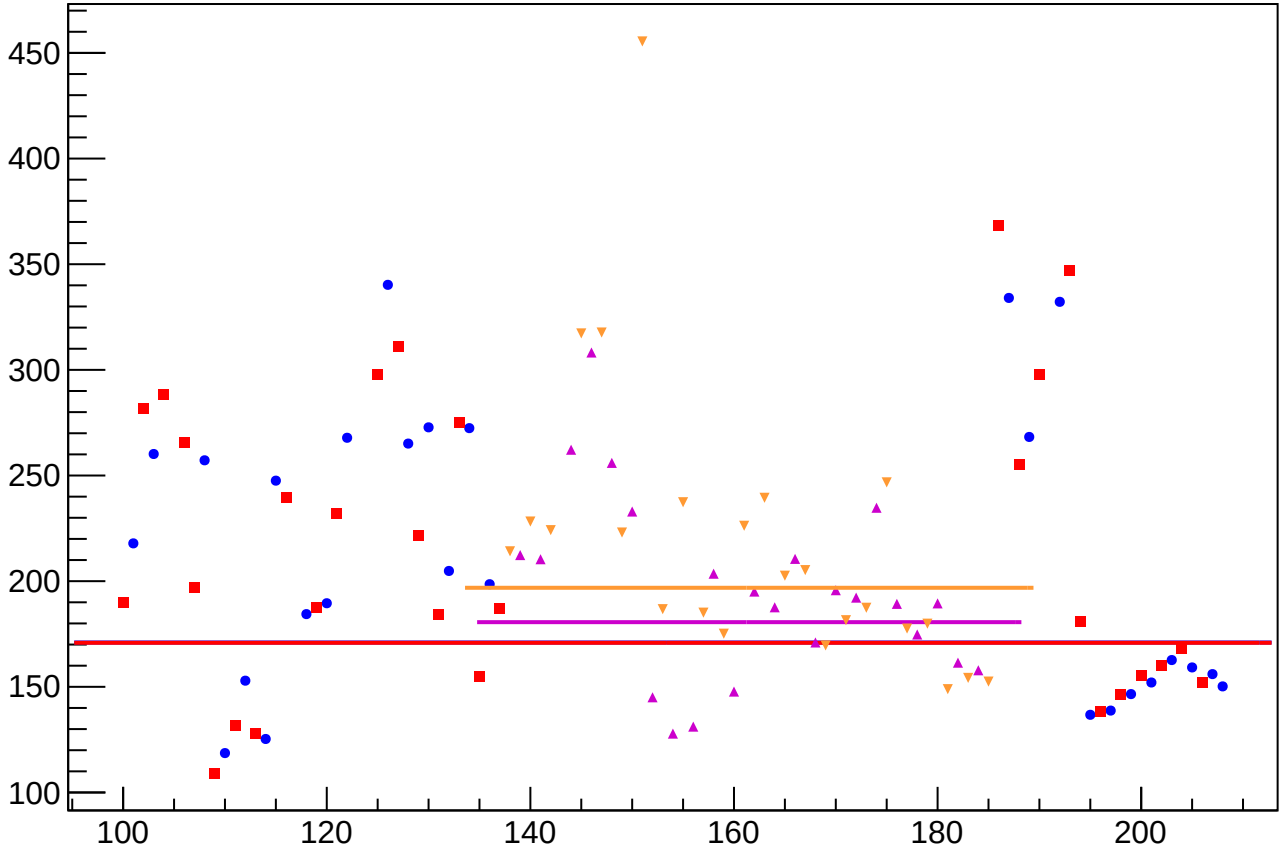
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

\+ sign -36.960+/-32.621 χ^2/NDF: 67.5/50

All: -0.603+/-22.705 χ^2/NDF: 126.8/102

\- sign 33.564+/-31.623 χ^2/NDF: 56.9/51

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 170.974+/-0.032 χ^2/NDF: 2241758.6/26

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 170.841+/-0.032 χ^2/NDF: 2690579.4/28

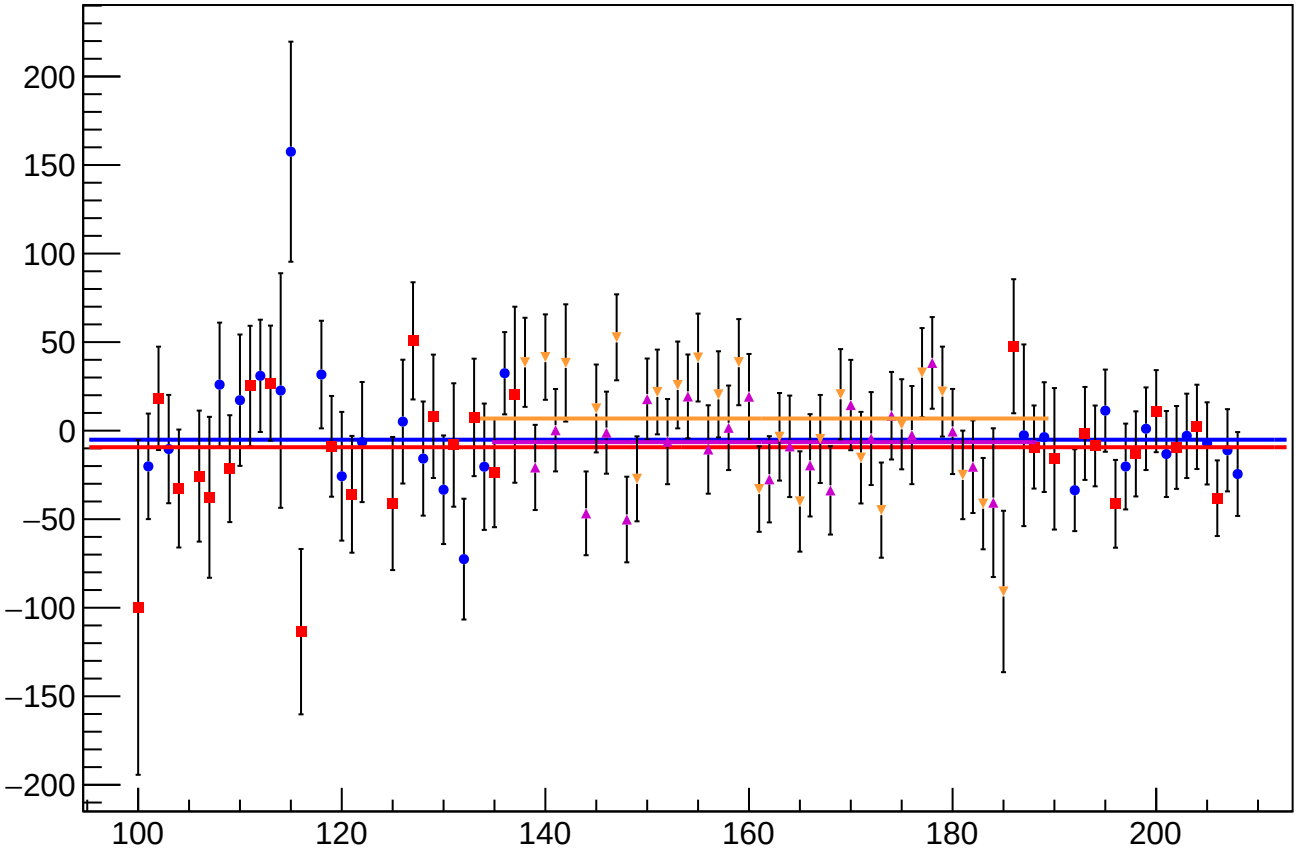
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 183.245+/-0.023 χ^2/NDF: 4281178.9/50

All: 179.440+/-0.016 χ^2/NDF: 8700206.5/102

- sign 175.864+/-0.022 χ^2/NDF: 4366240.6/51

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -5.117+/-5.597 χ^2/NDF: 22.6/26

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -9.358+/-5.583 χ^2/NDF: 22.9/28

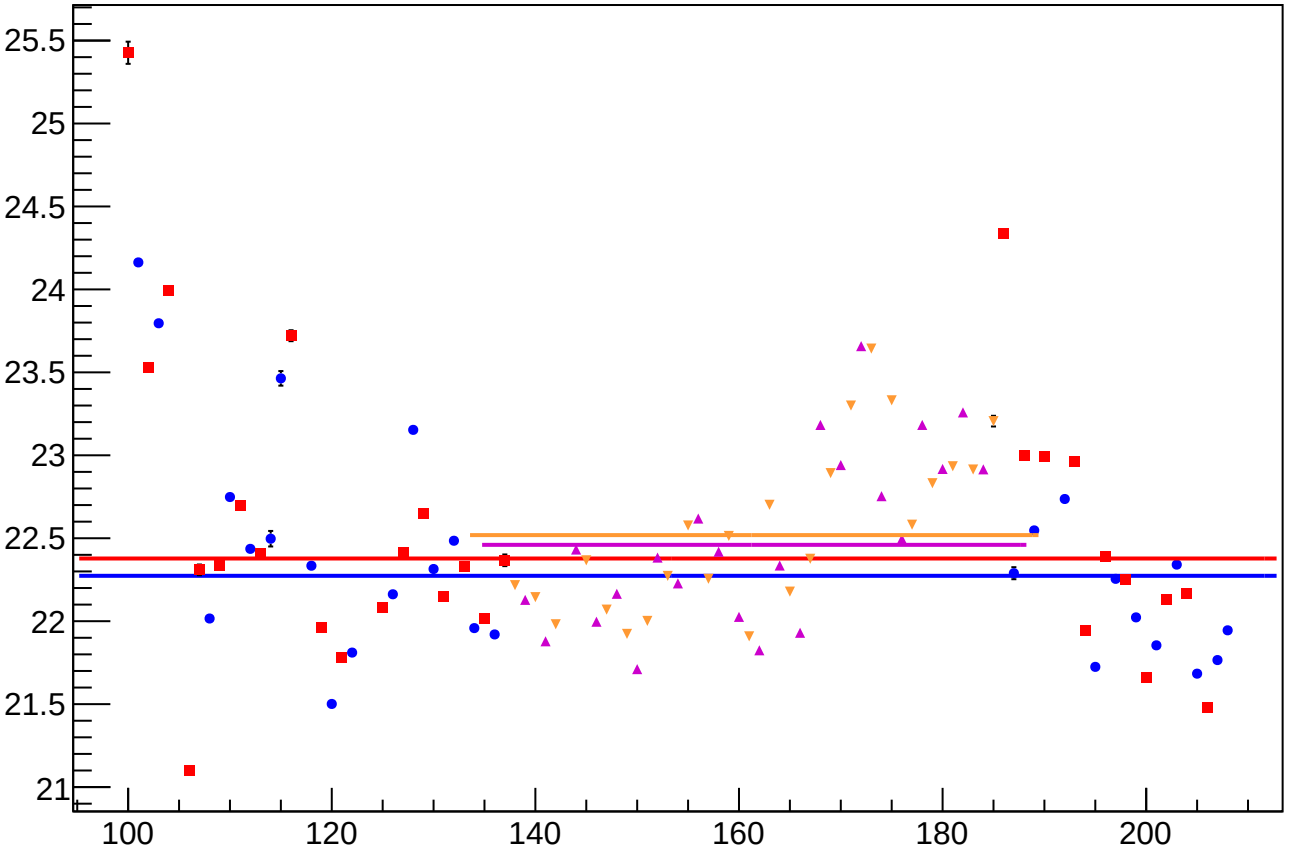
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 1.277+/-3.821 χ^2/NDF: 61.9/50

All: -3.274+/-2.703 χ^2/NDF: 105.3/102

- sign -7.831+/-3.823 χ^2/NDF: 40.5/51

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.274+/-0.004 χ^2/NDF: 23287.3/26

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.378+/-0.004 χ^2/NDF: 30661.8/28

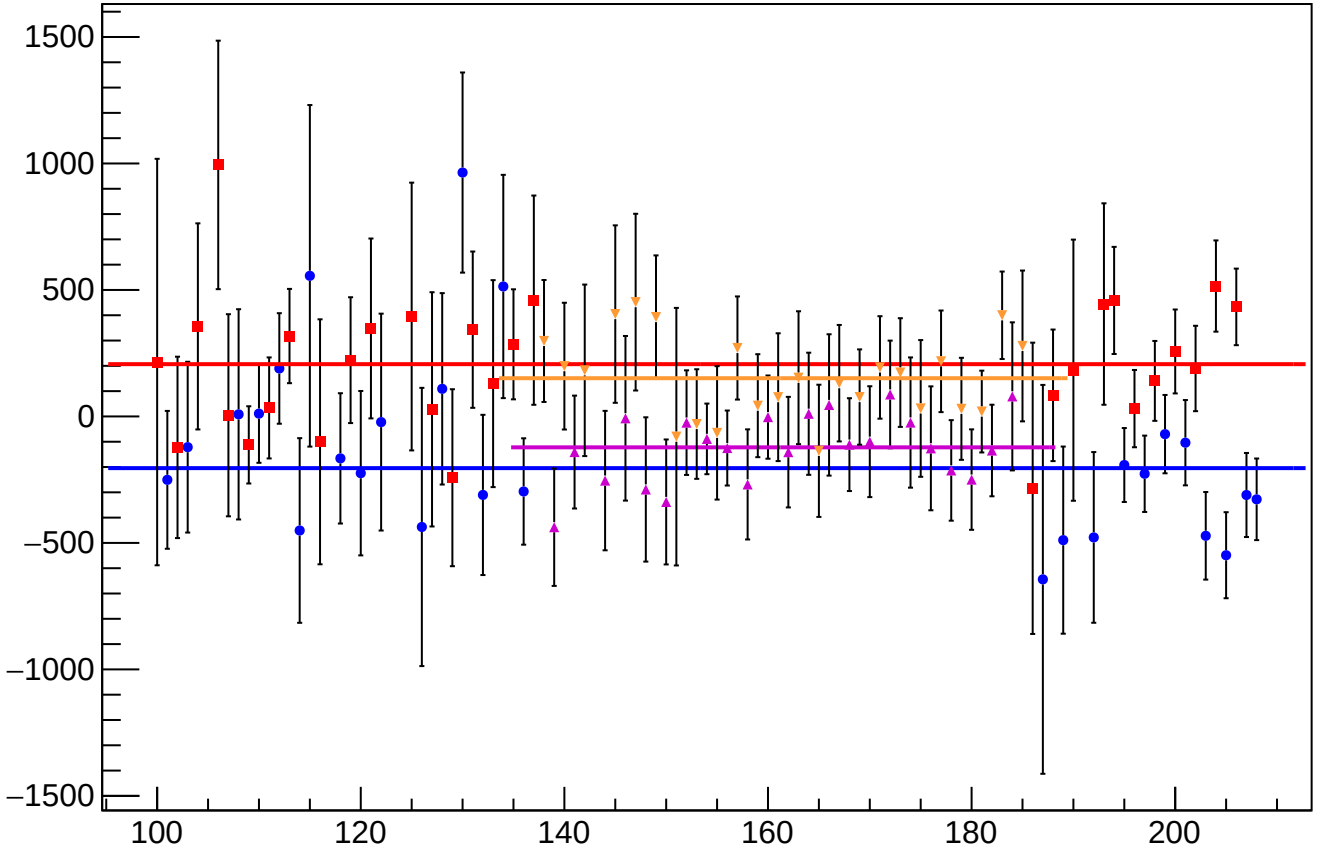
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.405+/-0.003 χ^2/NDF: 41338.1/50

All: 22.413+/-0.002 χ^2/NDF: 91367.7/102

- sign 22.422+/-0.003 χ^2/NDF: 50009.9/51

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -204.349+/-44.833 χ^2/NDF: 29.5/26

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 206.657+/-45.190 χ^2/NDF: 22.0/28

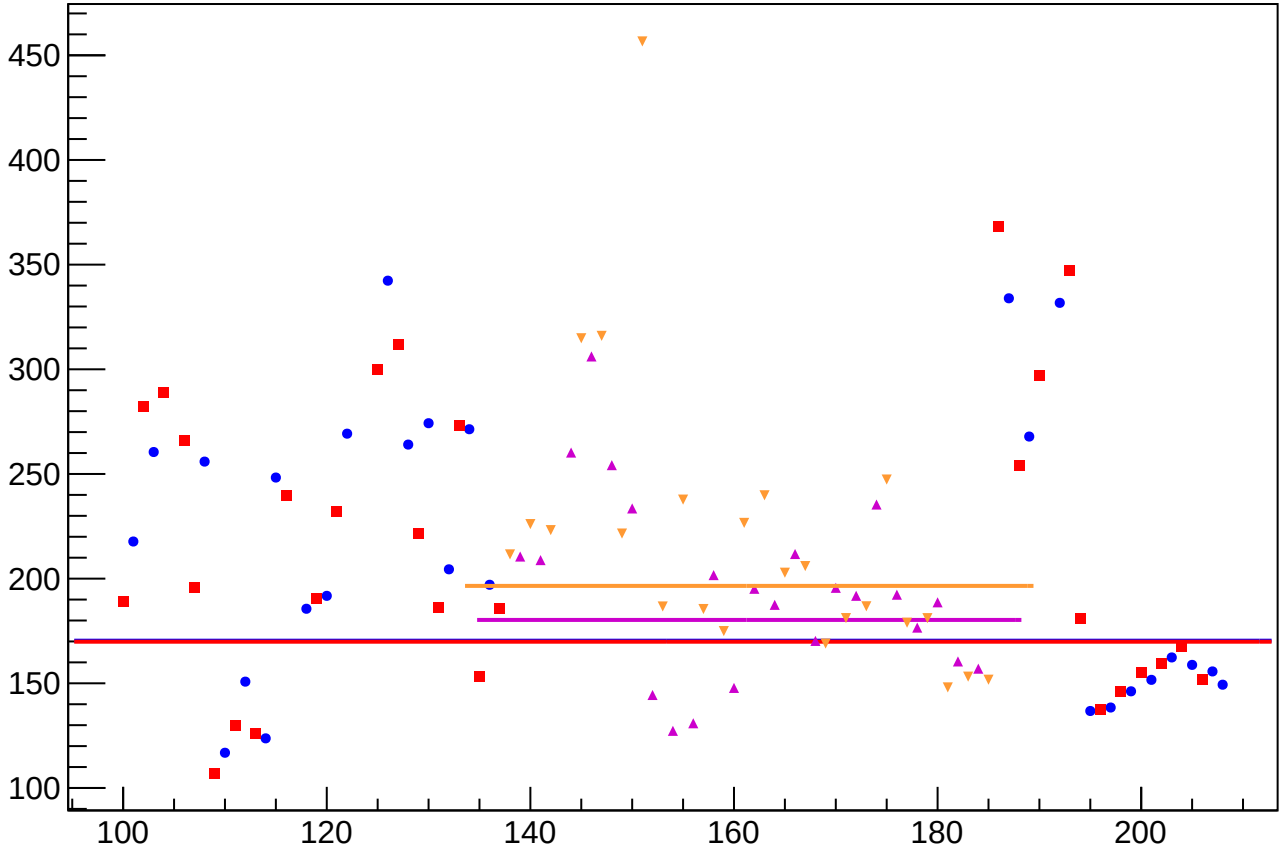
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

\+ sign -36.190+/-32.544 χ^2/NDF: 69.2/50

All: 2.021+/-22.644 χ^2/NDF: 128.5/102

\- sign 37.881+/-31.527 χ^2/NDF: 56.6/51

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 170.358+/-0.032 χ^2/NDF: 2272220.3/26

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 169.875+/-0.032 χ^2/NDF: 2759453.1/28

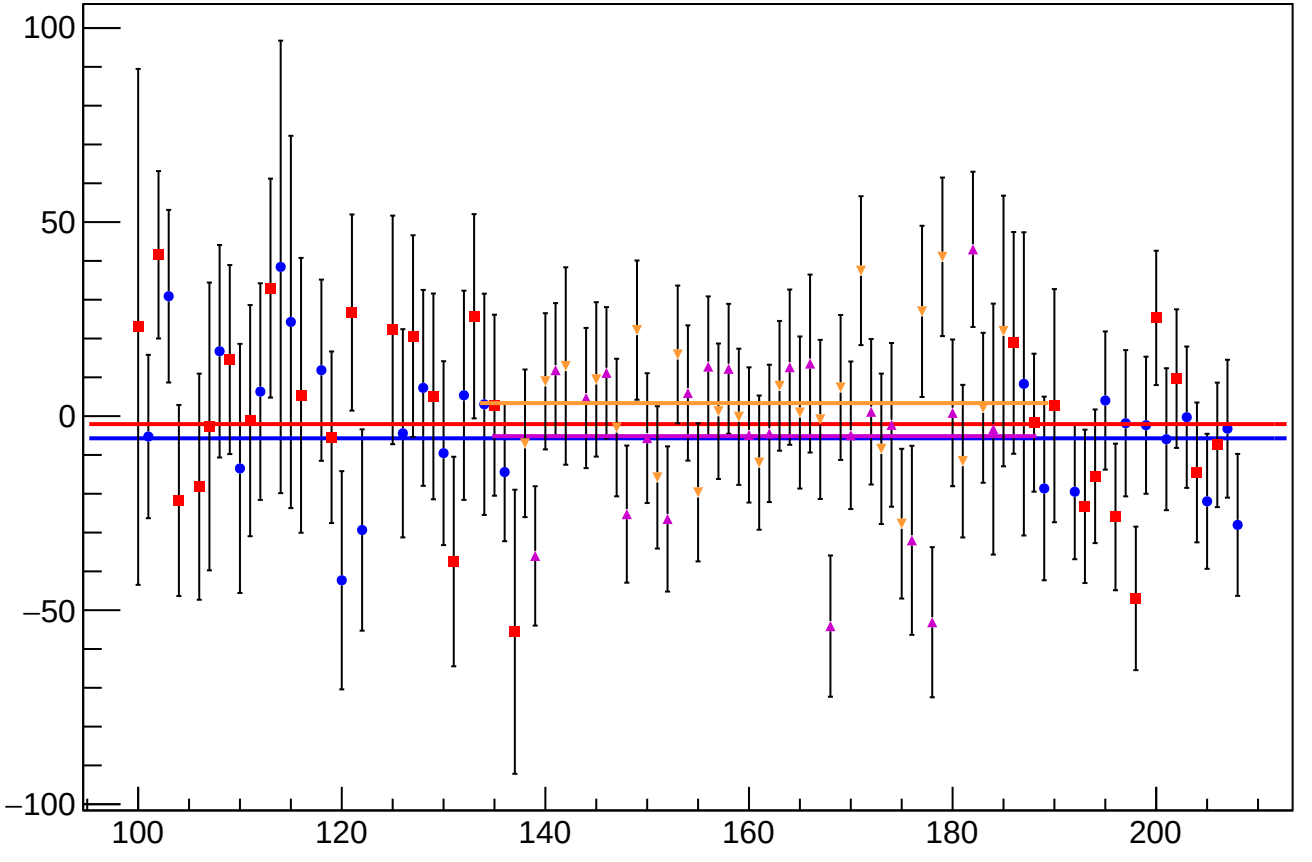
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 182.741+/-0.023 χ^2/NDF: 4322633.0/50

All: 178.857+/-0.016 χ^2/NDF: 8816329.3/102

- sign 175.213+/-0.022 χ^2/NDF: 4438493.4/51

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -5.713+/-4.300 χ^2/NDF: 12.4/26

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -2.055+/-4.285 χ^2/NDF: 28.4/28

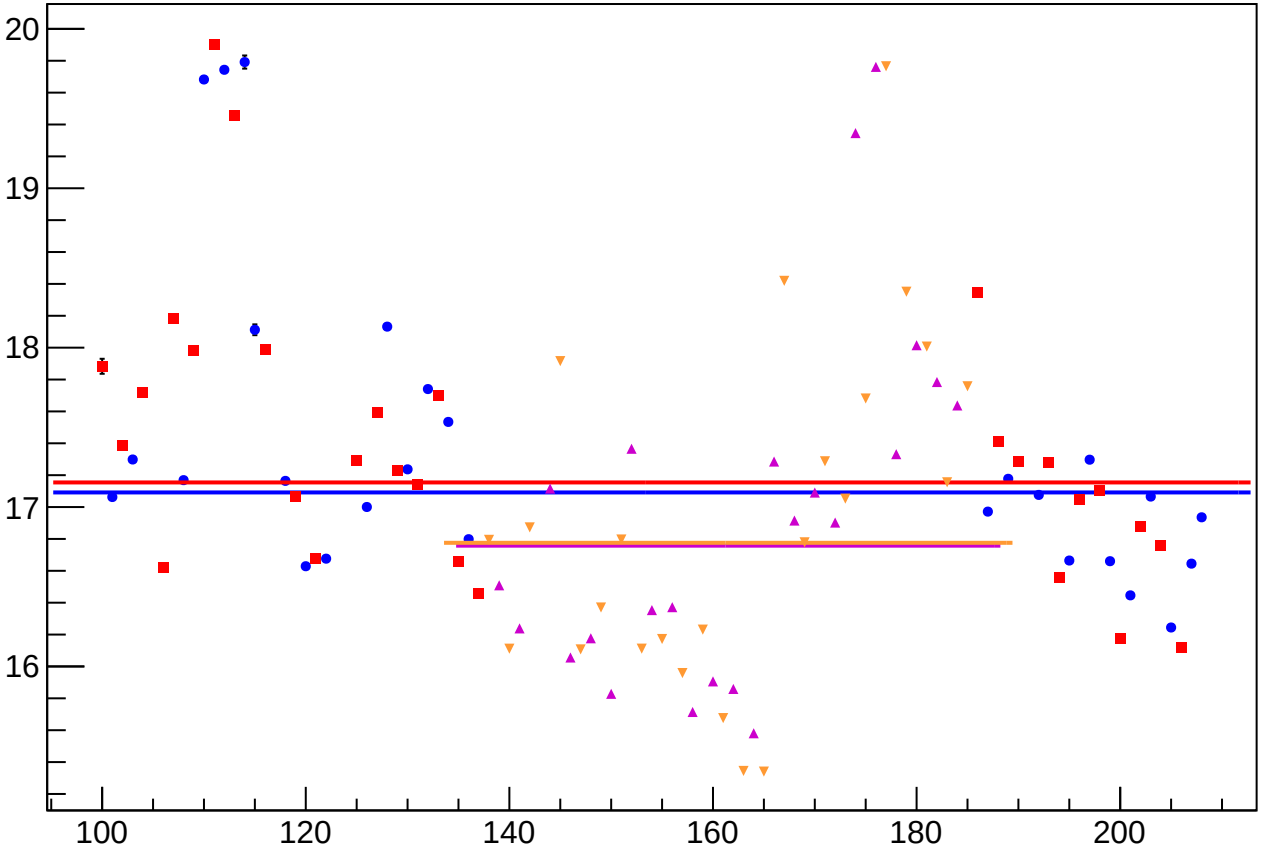
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -0.740+/-2.891 χ^2/NDF: 32.5/50

All: -2.238+/-2.045 χ^2/NDF: 94.0/102

- sign -3.738+/-2.894 χ^2/NDF: 61.0/51

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.092+/-0.003 χ^2/NDF: 54502.3/26

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.154+/-0.003 χ^2/NDF: 64025.3/28

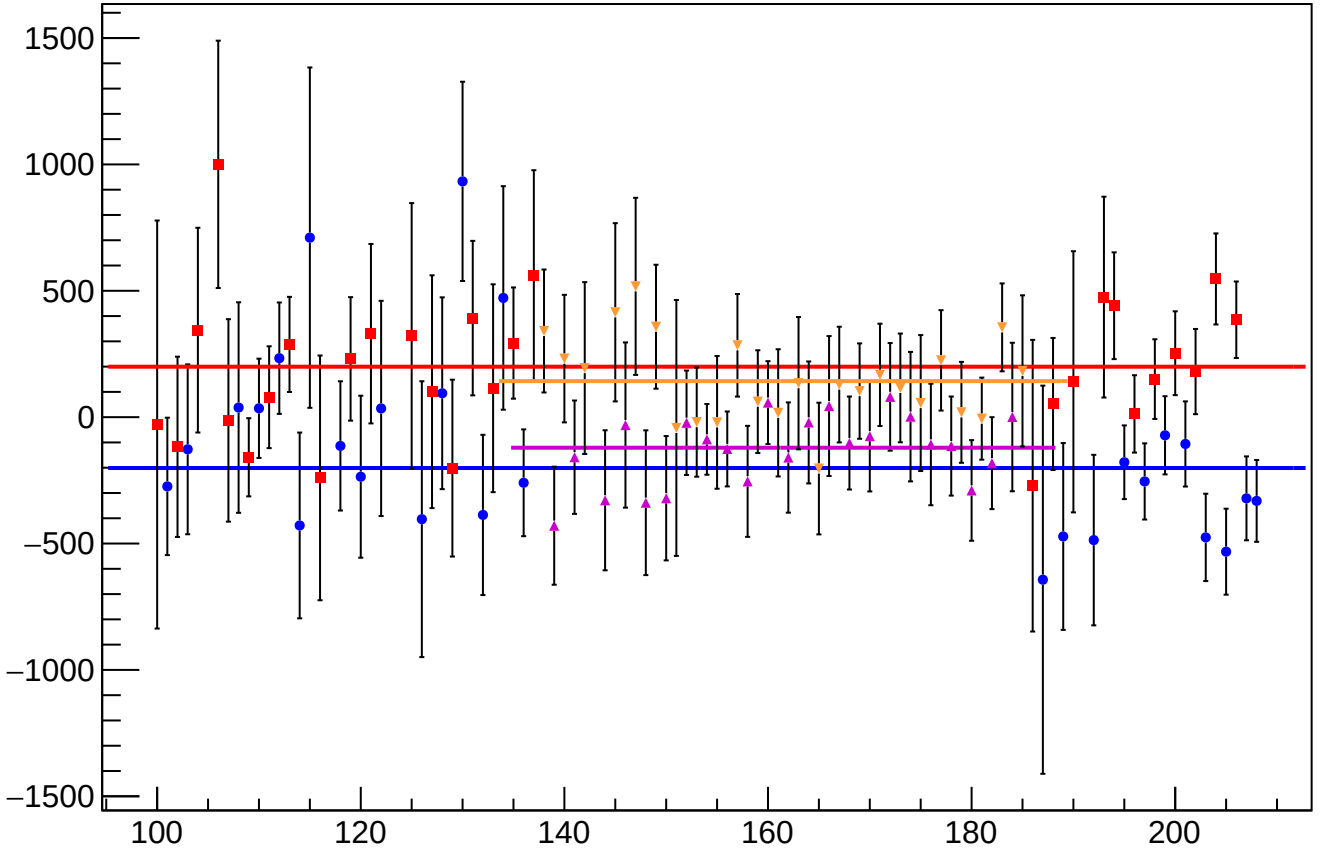
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.919+/-0.002 χ^2/NDF: 196562.5/50

All: 16.929+/-0.001 χ^2/NDF: 393262.6/102

- sign 16.939+/-0.002 χ^2/NDF: 196651.3/51

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -201.156+/-44.834 χ^2/NDF: 30.4/26

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 199.710+/-45.258 χ^2/NDF: 23.4/28

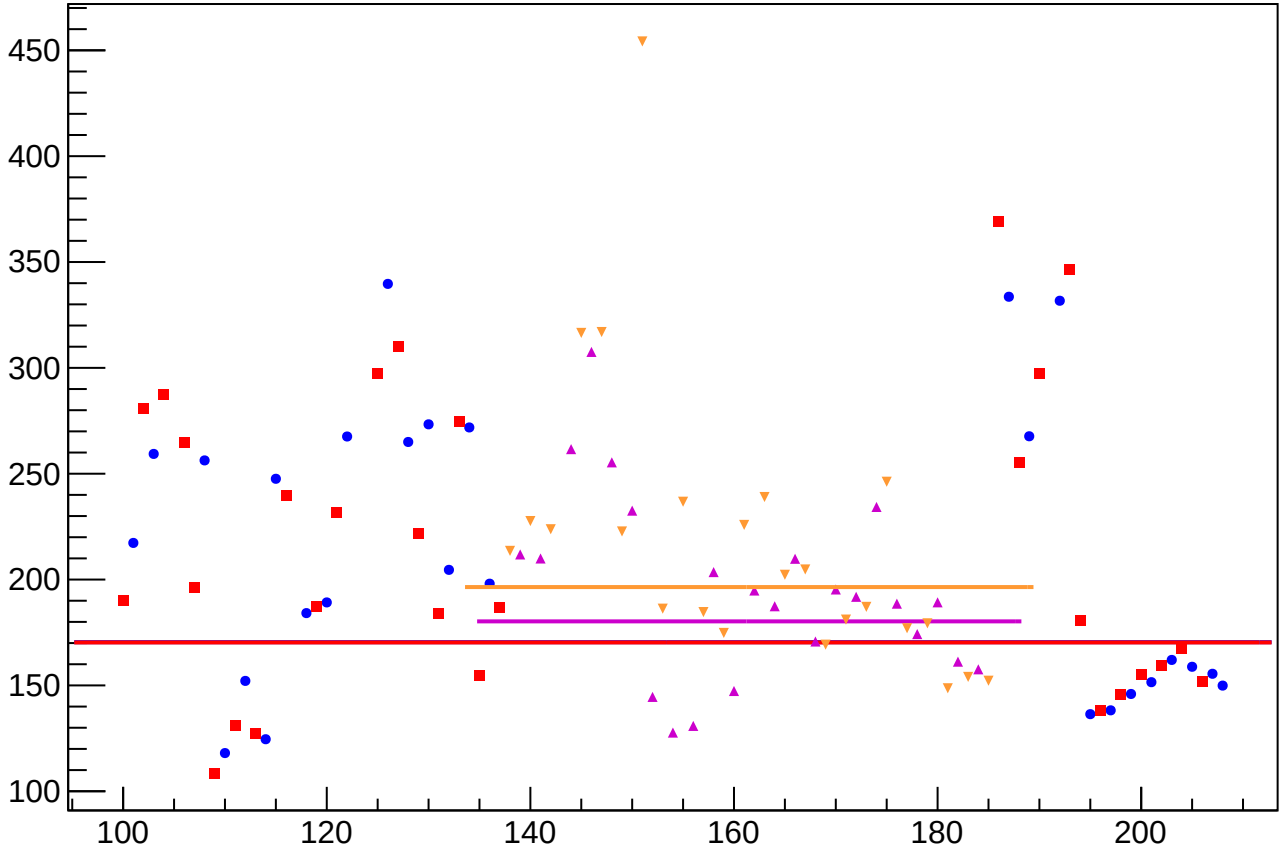
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign -38.382+/-32.535 χ^2/NDF: 68.4/50

All: -0.623+/-22.648 χ^2/NDF: 128.4/102

- sign 34.874+/-31.546 χ^2/NDF: 57.4/51

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 170.420+/-0.032 χ^2/NDF: 2254065.3/26

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 170.293+/-0.032 χ^2/NDF: 2707230.1/28

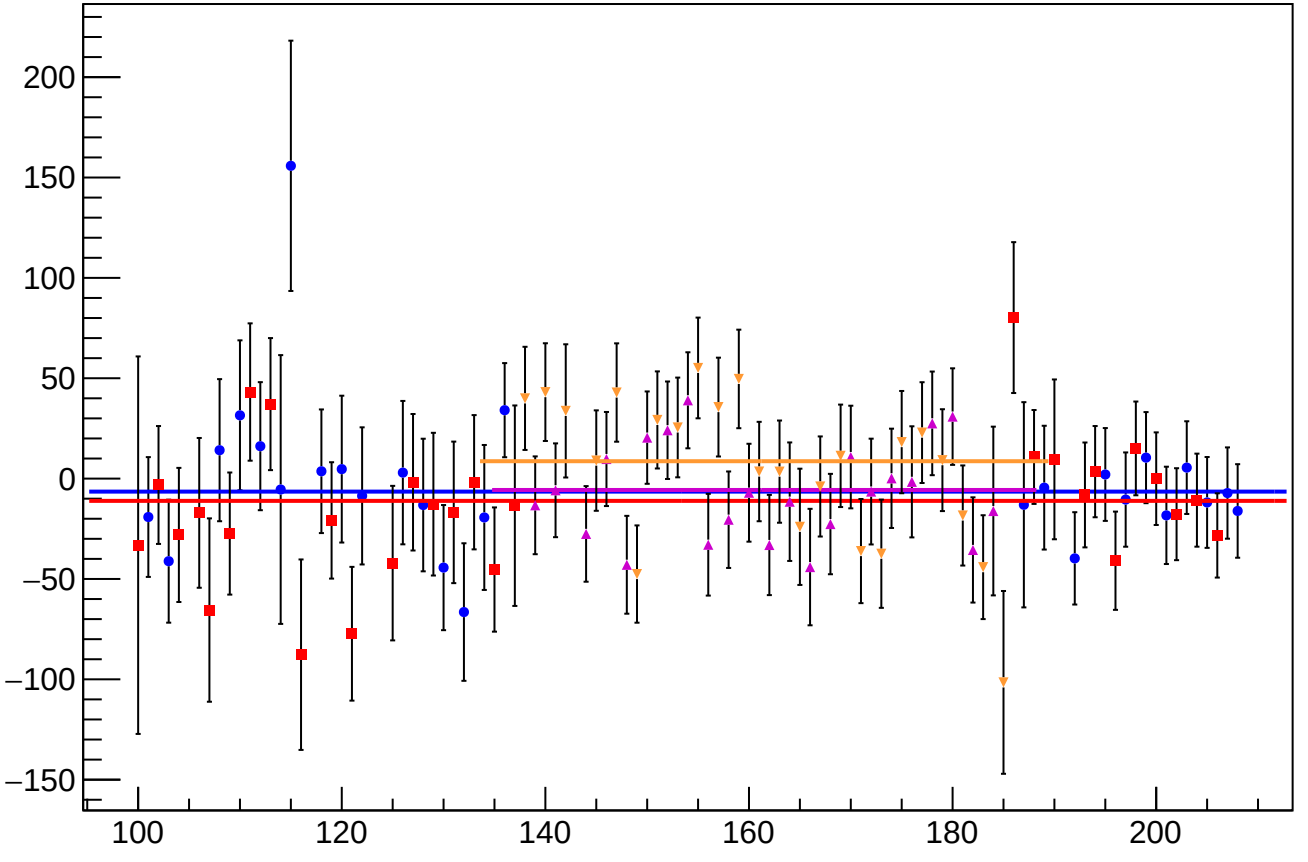
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 182.743+/-0.023 χ^2/NDF: 4296775.8/50

All: 178.964+/-0.016 χ^2/NDF: 8733885.8/102

- sign 175.411+/-0.022 χ^2/NDF: 4384759.3/51

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -6.478+/-5.569 χ^2/NDF: 21.7/26

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -11.095+/-5.571 χ^2/NDF: 26.7/28

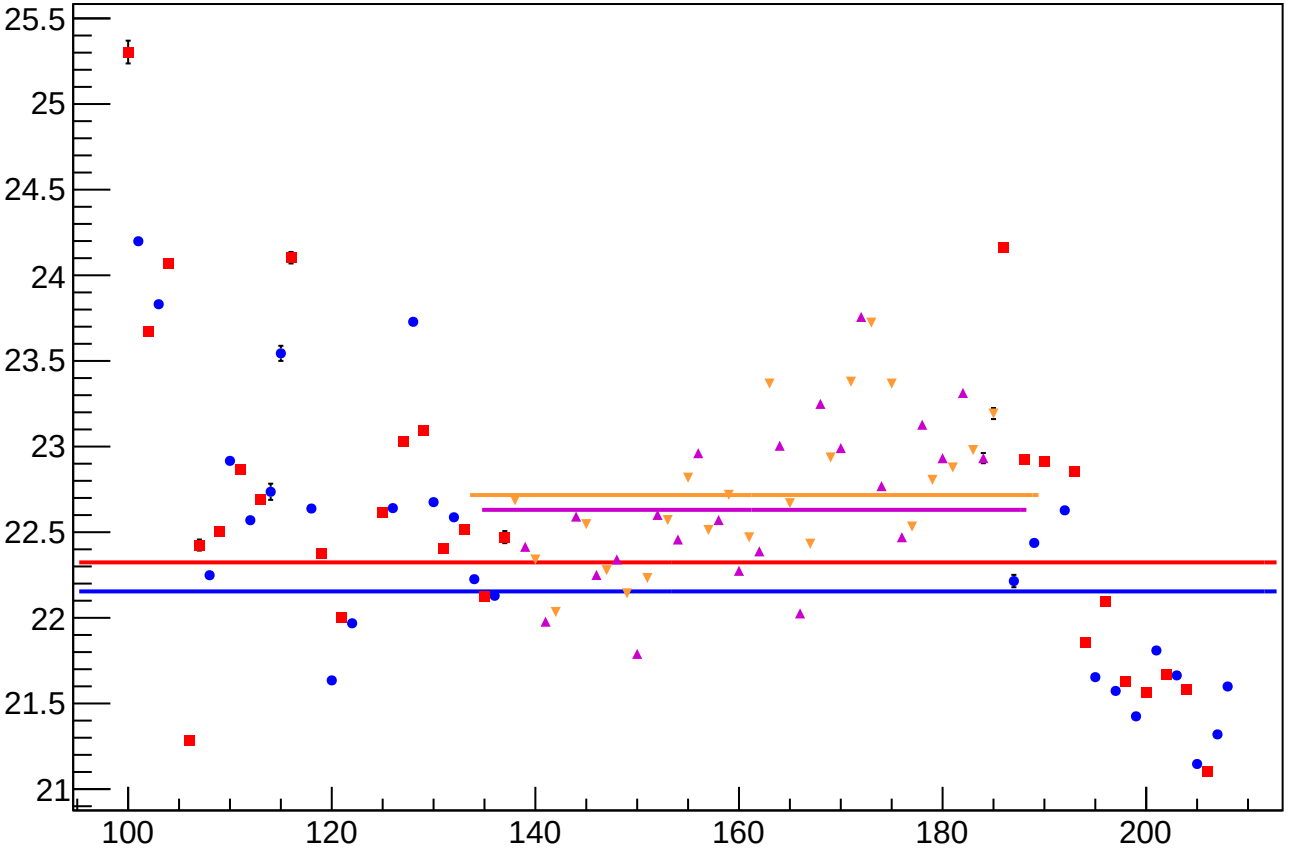
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 1.503+/-3.830 χ^2/NDF: 64.7/50

All: -3.362+/-2.710 χ^2/NDF: 116.0/102

- sign -8.240+/-3.835 χ^2/NDF: 48.0/51

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.154+/-0.004 χ^2/NDF: 38817.2/26

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.324+/-0.004 χ^2/NDF: 41898.1/28

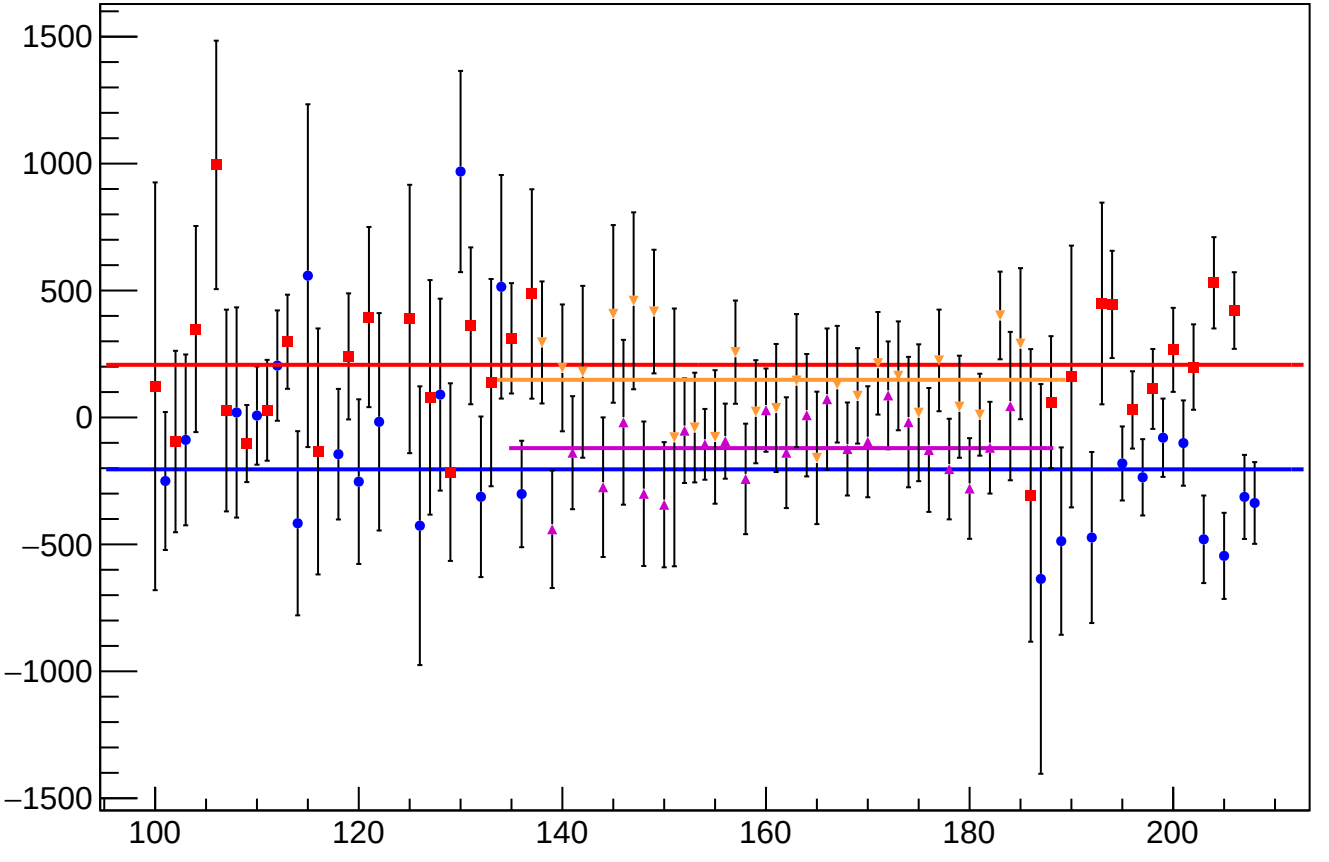
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.451+/-0.003 χ^2/NDF: 61757.6/50

All: 22.468+/-0.002 χ^2/NDF: 122319.1/102

- sign 22.485+/-0.003 χ^2/NDF: 60481.4/51

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -204.389+/-44.696 χ^2/NDF: 29.9/26

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 207.441+/-45.056 χ^2/NDF: 22.1/28

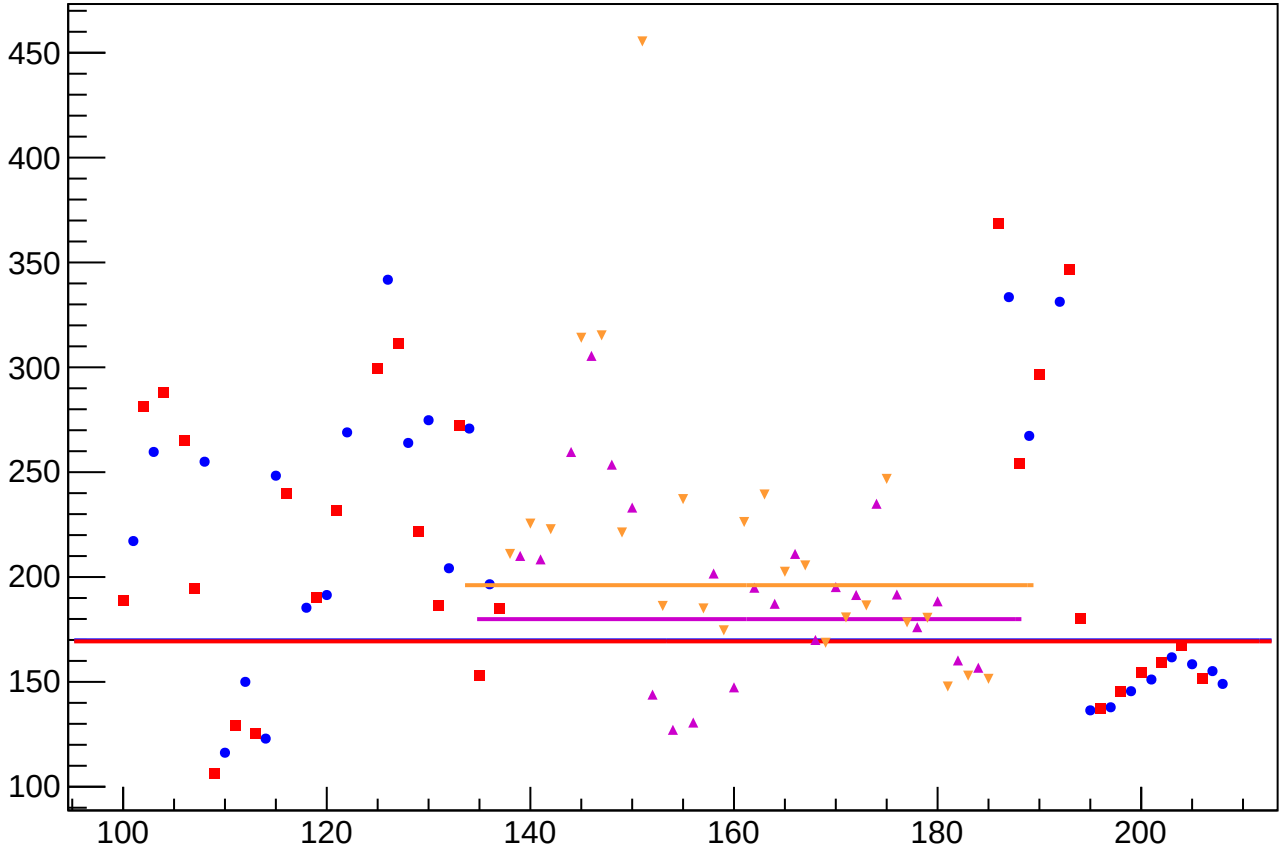
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

\+ sign -37.638+/-32.458 χ^2/NDF: 70.3/50

All: 1.968+/-22.587 χ^2/NDF: 130.4/102

\- sign 39.152+/-31.450 χ^2/NDF: 57.2/51

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 169.799+/-0.032 χ^2/NDF: 2285010.3/26

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 169.320+/-0.032 χ^2/NDF: 2776962.4/28

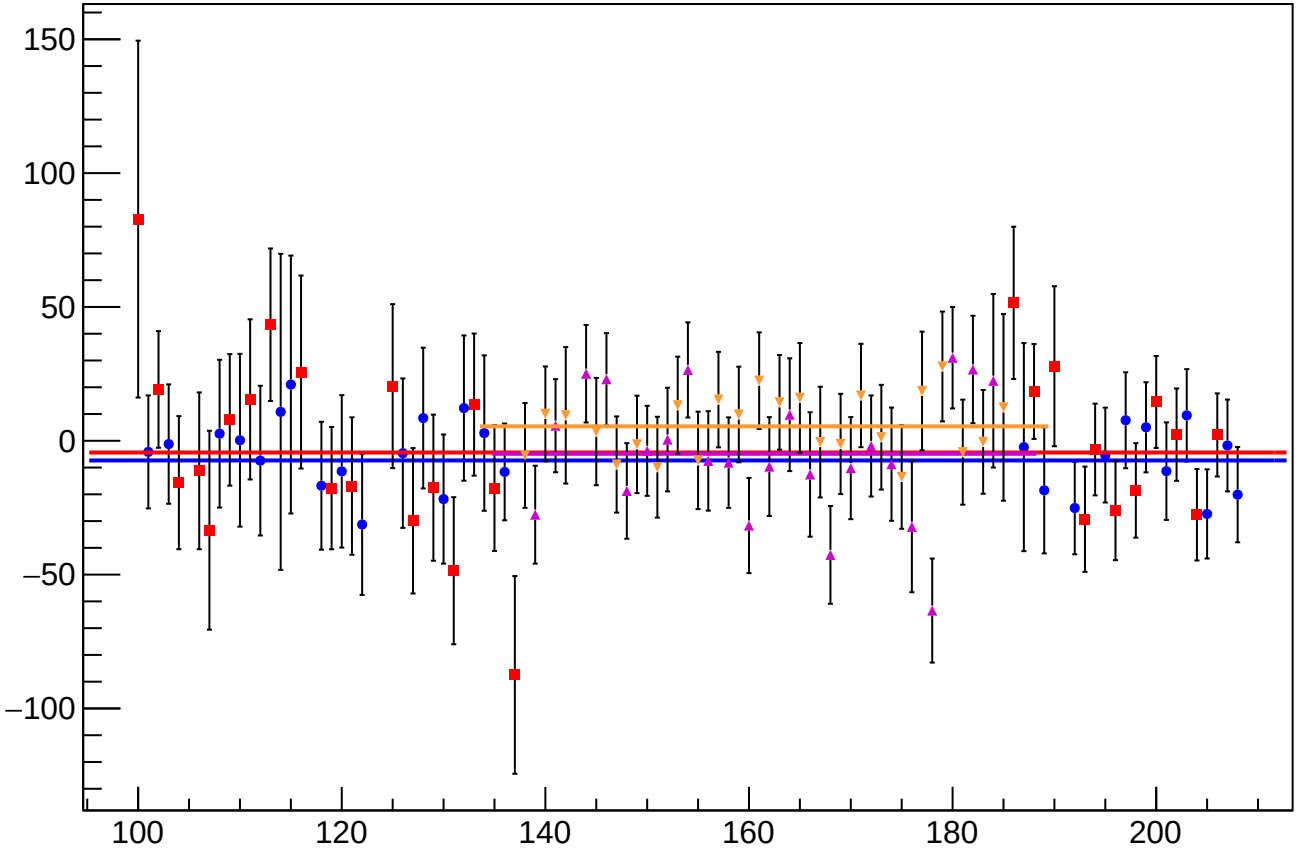
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 182.236+/-0.023 χ^2/NDF: 4338908.2/50

All: 178.378+/-0.016 χ^2/NDF: 8851573.7/102

- sign 174.757+/-0.022 χ^2/NDF: 4457904.9/51

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -7.343+/-4.257 χ^2/NDF: 8.8/26

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -4.377+/-4.261 χ^2/NDF: 32.4/28

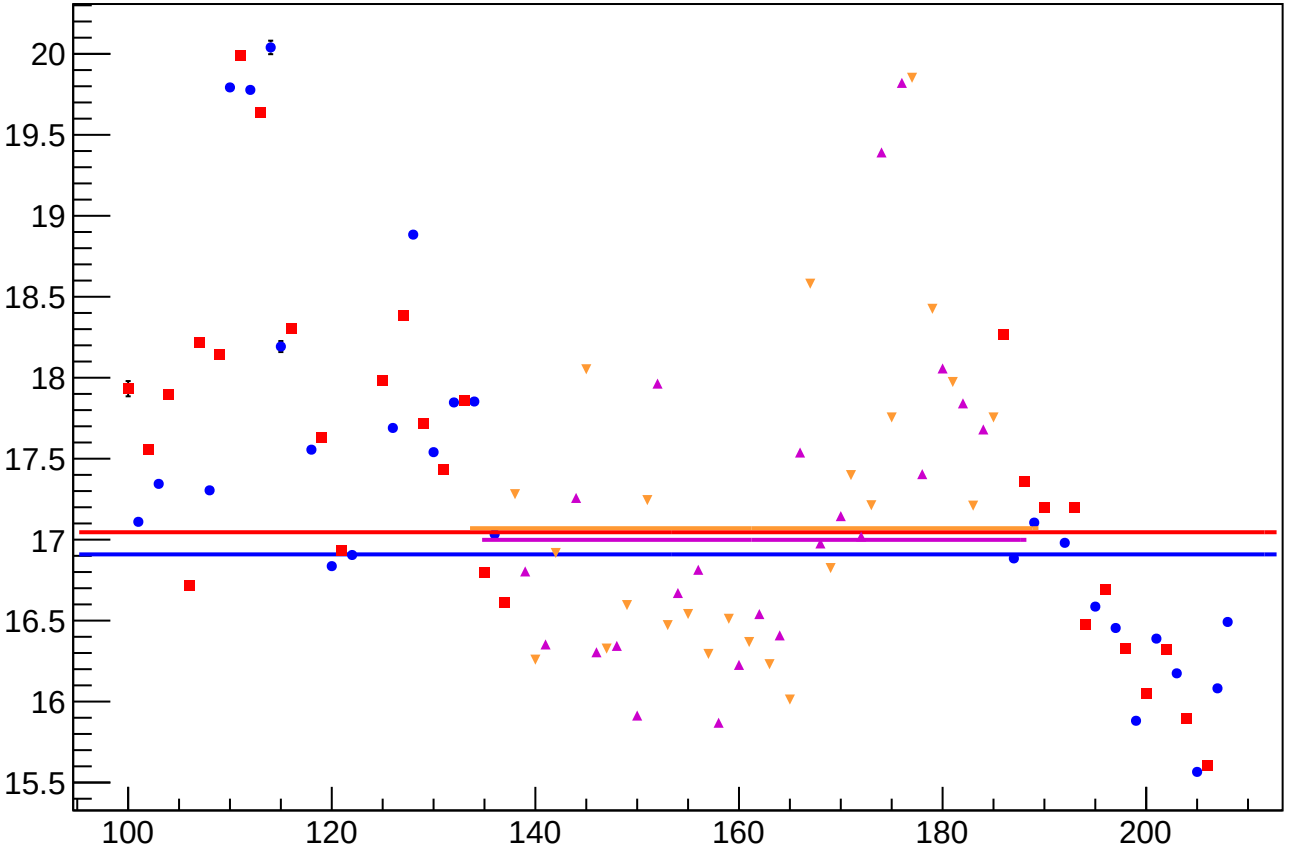
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign -0.526+/-2.904 χ^2/NDF: 21.4/50

All: -2.577+/-2.055 χ^2/NDF: 90.3/102

- sign -4.634+/-2.909 χ^2/NDF: 67.9/51

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 16.909+/-0.003 χ^2/NDF: 99289.6/26

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.046+/-0.003 χ^2/NDF: 107764.9/28

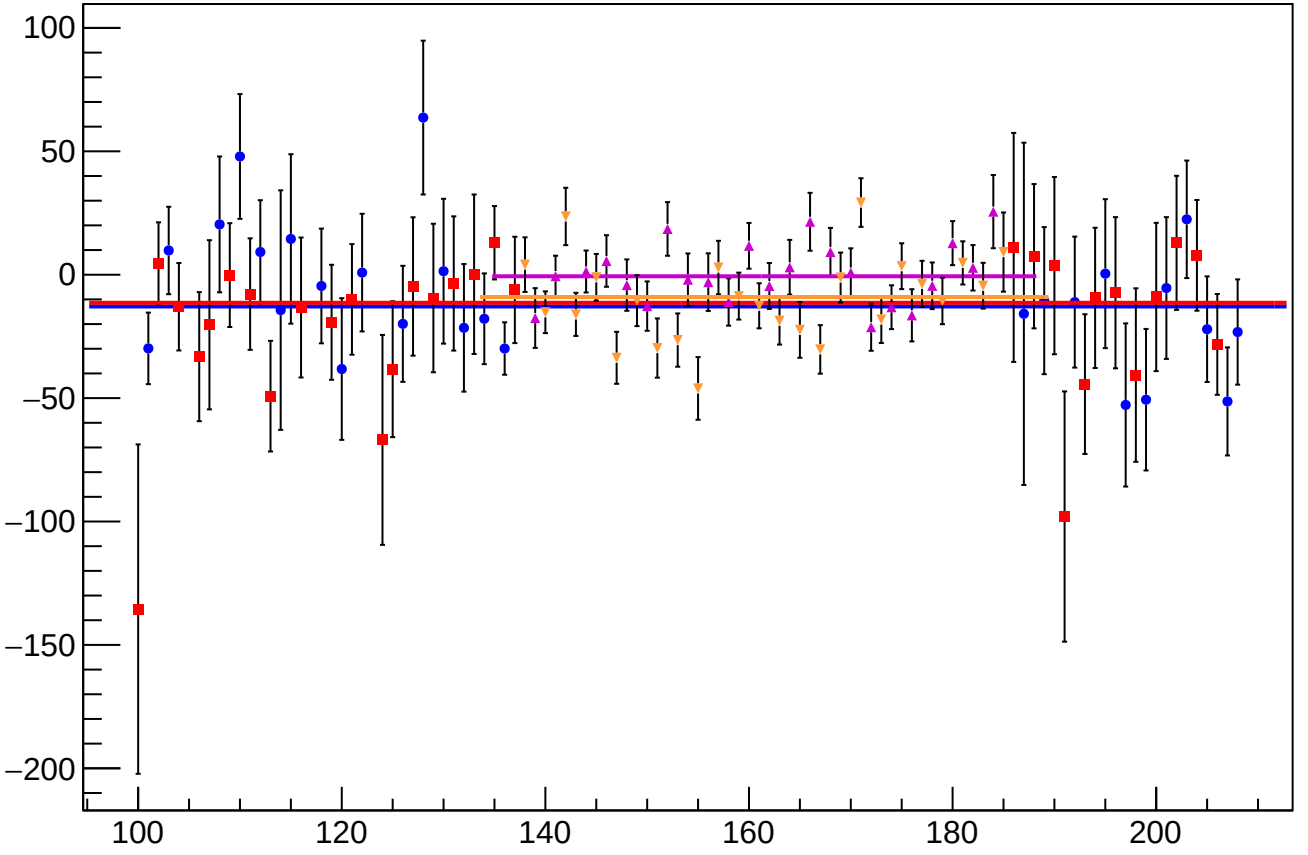
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 16.995+/-0.002 χ^2/NDF: 197145.1/50

All: 17.008+/-0.001 χ^2/NDF: 409136.6/102

- sign 17.021+/-0.002 χ^2/NDF: 211916.3/51

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -12.856+/-4.387 χ^2/NDF: 31.5/26

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -11.362+/-4.572 χ^2/NDF: 22.1/30

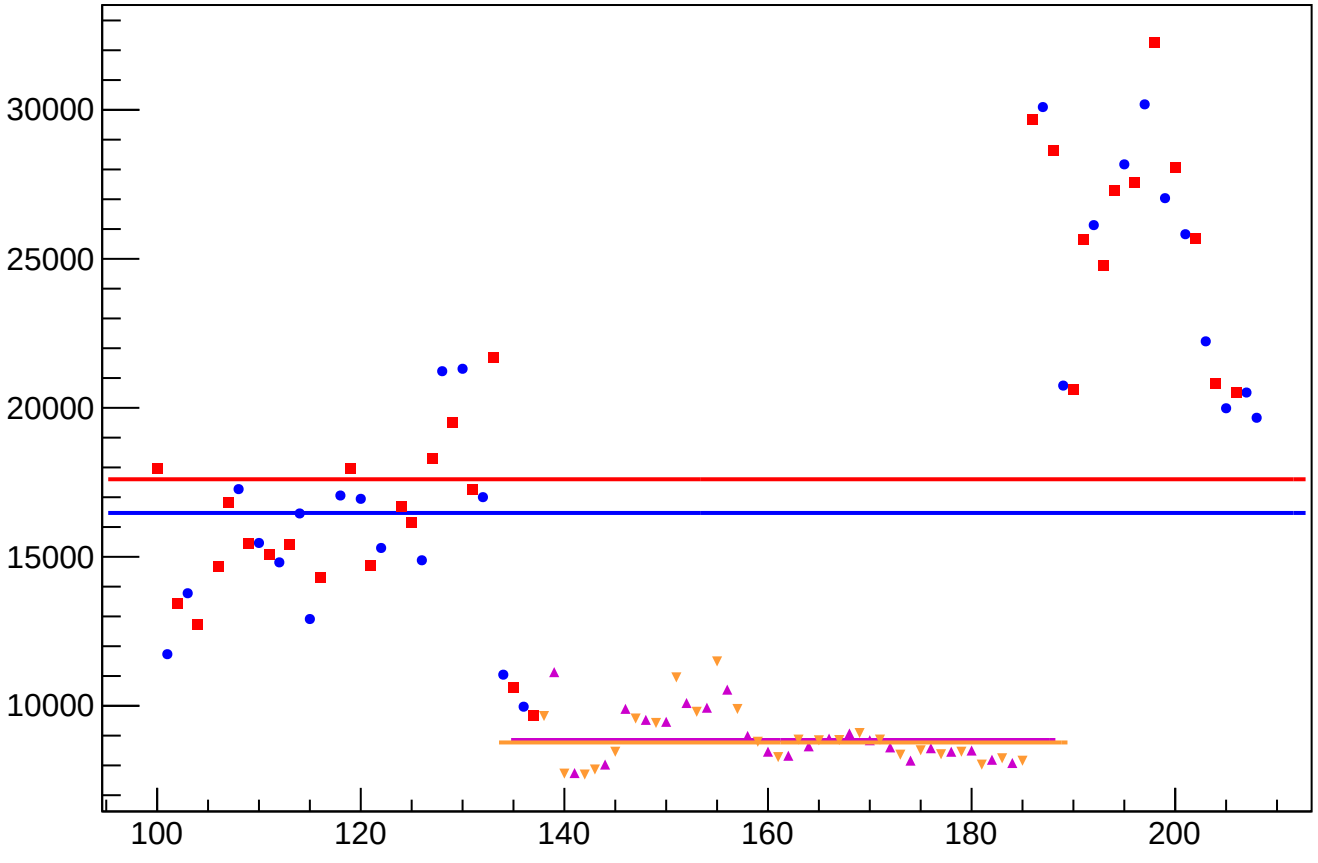
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.690+/-1.825 χ^2/NDF: 94.2/51

All: -6.211+/-1.314 χ^2/NDF: 157.9/105

- sign -2.468+/-1.893 χ^2/NDF: 56.2/53

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 16472.560+/-3.102 χ^2/NDF: 3137278.2/26

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17602.985+/-3.233 χ^2/NDF: 3092772.7/30

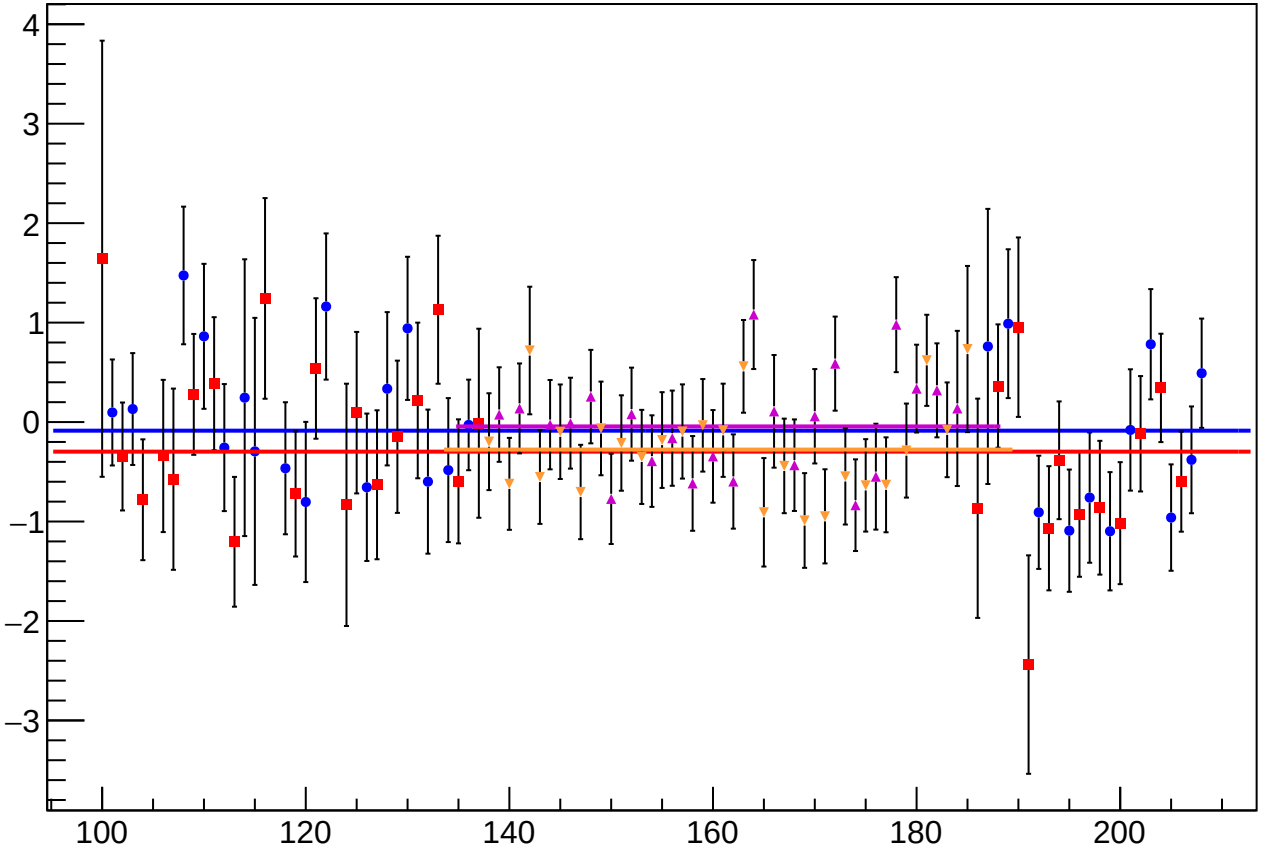
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

\+ sign 10102.977+/-1.290 χ^2/NDF: 8581752.2/51

All: 10223.243+/-0.929 χ^2/NDF: 18063518.6

\- sign 10352.650+/-1.338 χ^2/NDF: 9463728.0/53

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.087+/-0.126 χ^2/NDF: 32.6/26

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.297+/-0.126 χ^2/NDF: 28.3/30

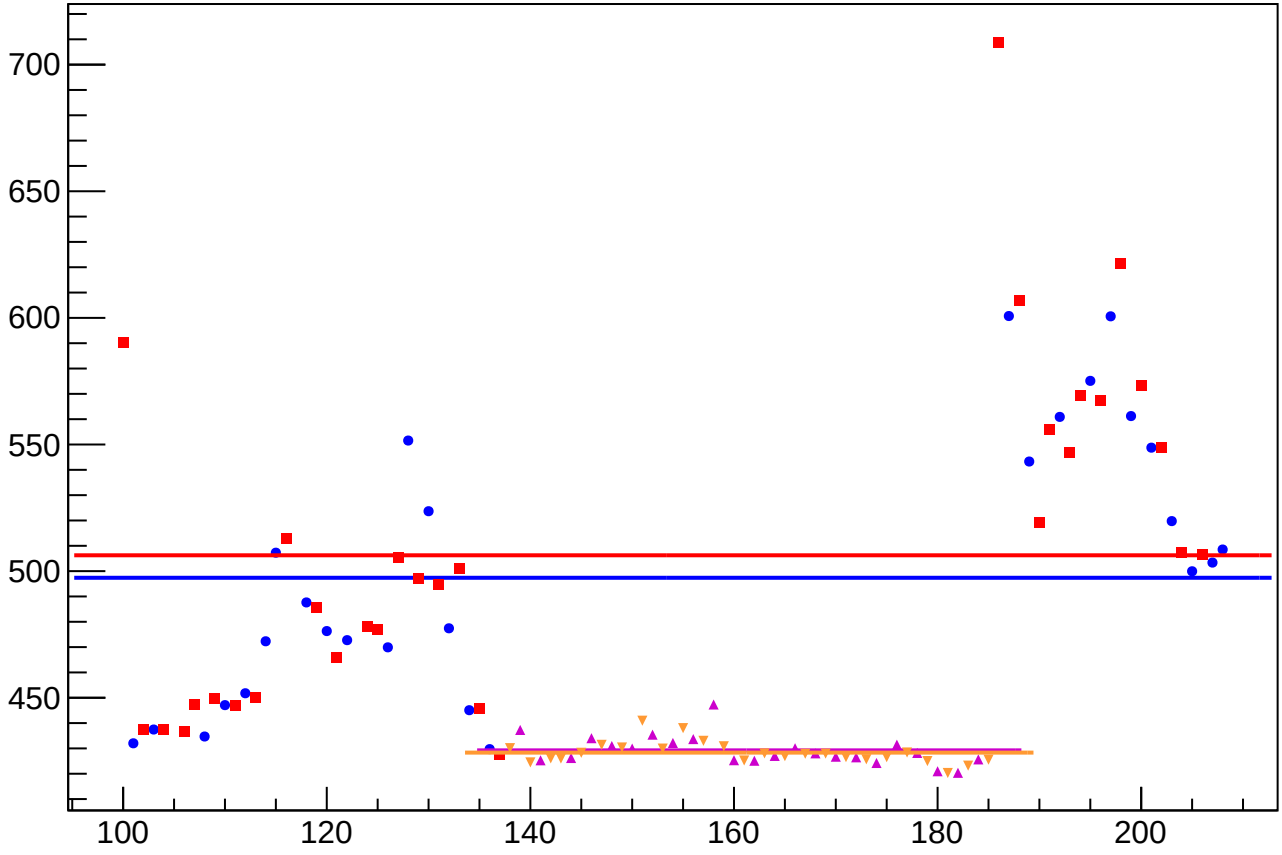
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.205+/-0.077 χ^2/NDF: 55.1/51

All: -0.174+/-0.055 χ^2/NDF: 110.0/105

- sign -0.142+/-0.078 χ^2/NDF: 54.6/53

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 497.377+/-0.089 χ^2/NDF: 332129.3/26

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

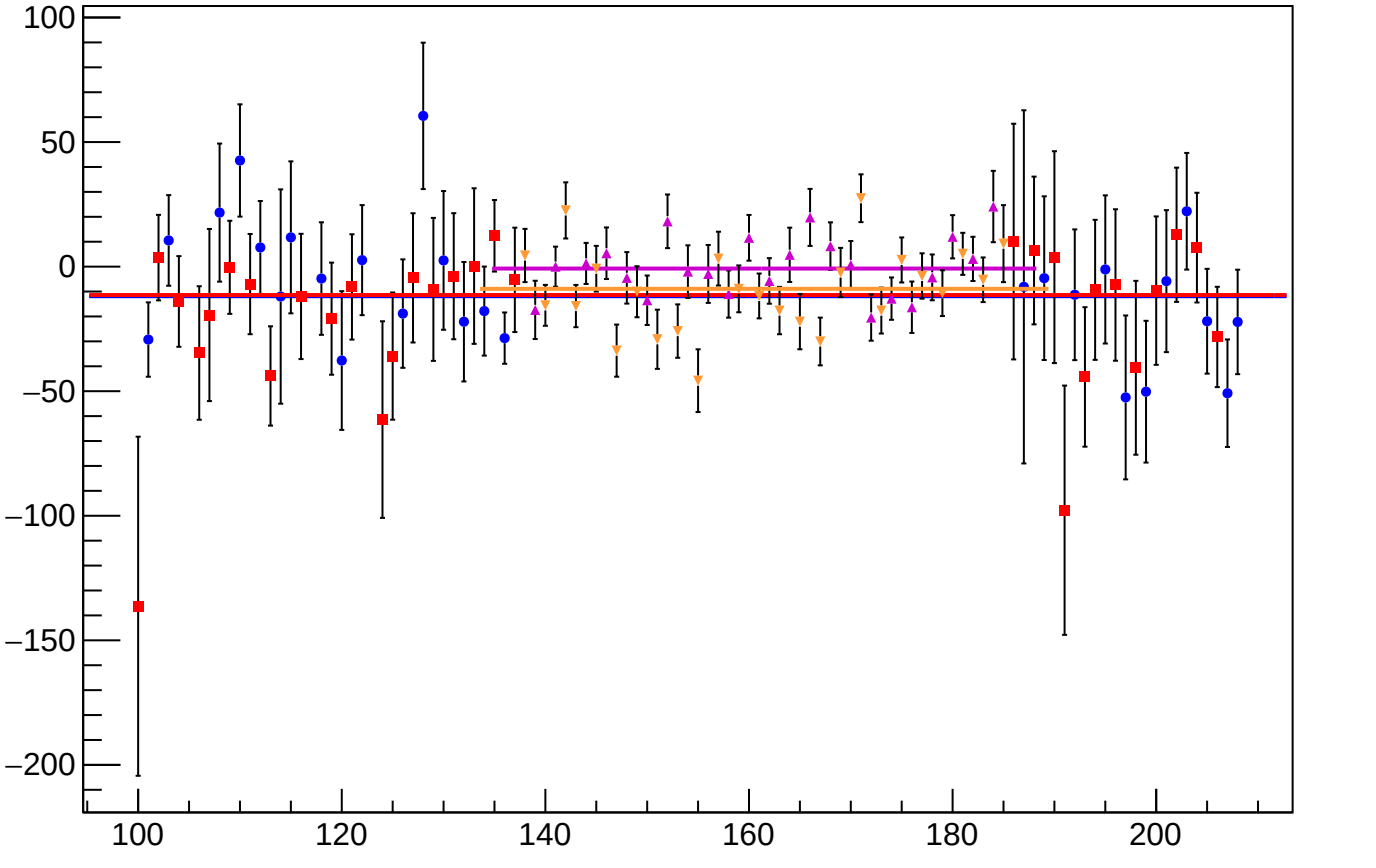
Right Out: 506.256+/-0.089 χ^2/NDF: 447025.0/30

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 454.224+/-0.054 χ^2/NDF: 713543.9/51

All: 456.669+/-0.039 χ^2/NDF: 1631097.2/105

- sign 459.204+/-0.055 χ^2/NDF: 913438.1/53



Right In: -11.869+/-4.262 χ^2/NDF: 32.1/26

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: -11.401+/-4.423 χ^2/NDF: 21.9/30

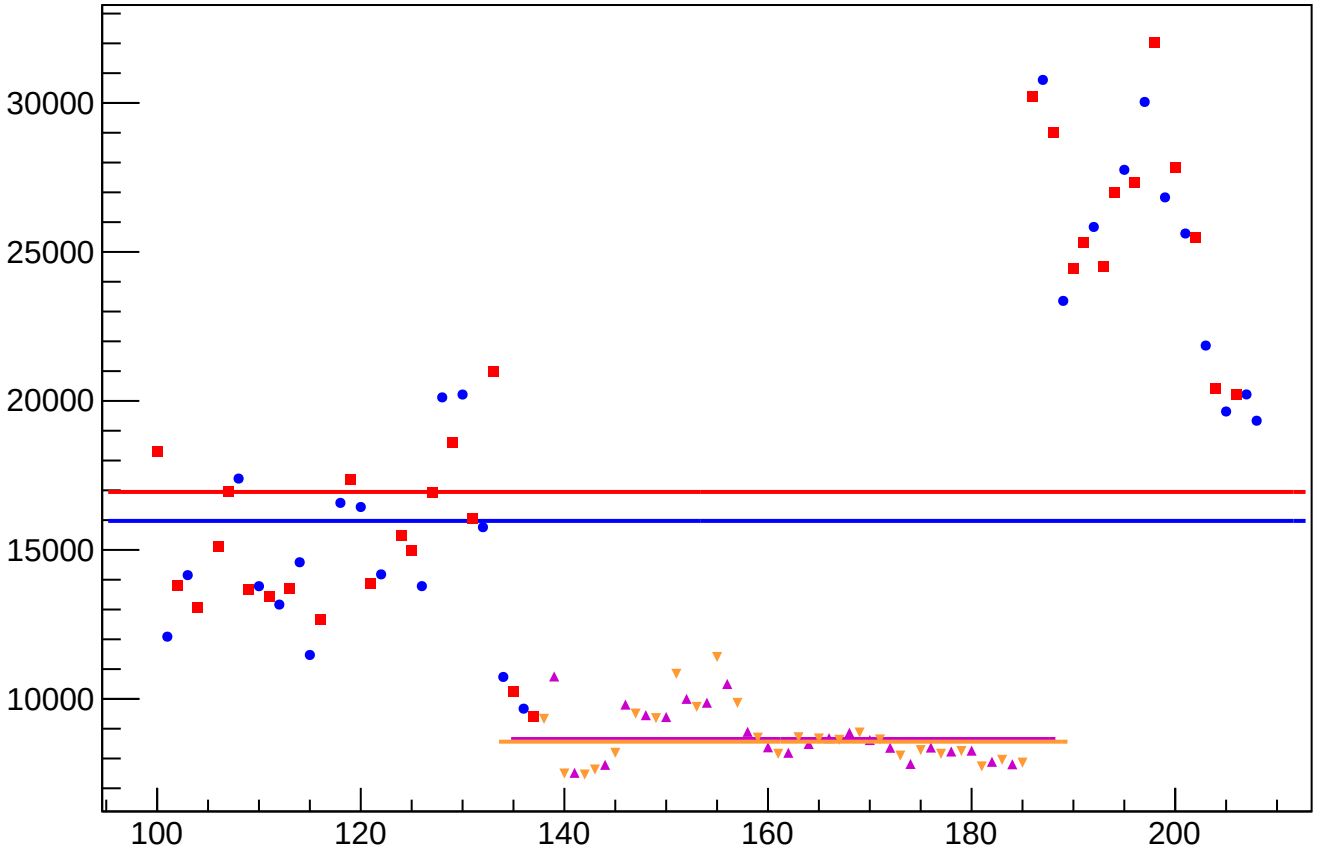
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -9.422+/-1.781 χ^2/NDF: 94.0/51

All: -6.149+/-1.282 χ^2/NDF: 157.0/105

- sign -2.628+/-1.848 χ^2/NDF: 56.0/53

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 15973.896+/-3.014 χ^2/NDF: 3300097.5/26

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 16945.713+/-3.127 χ^2/NDF: 3379863.9/30

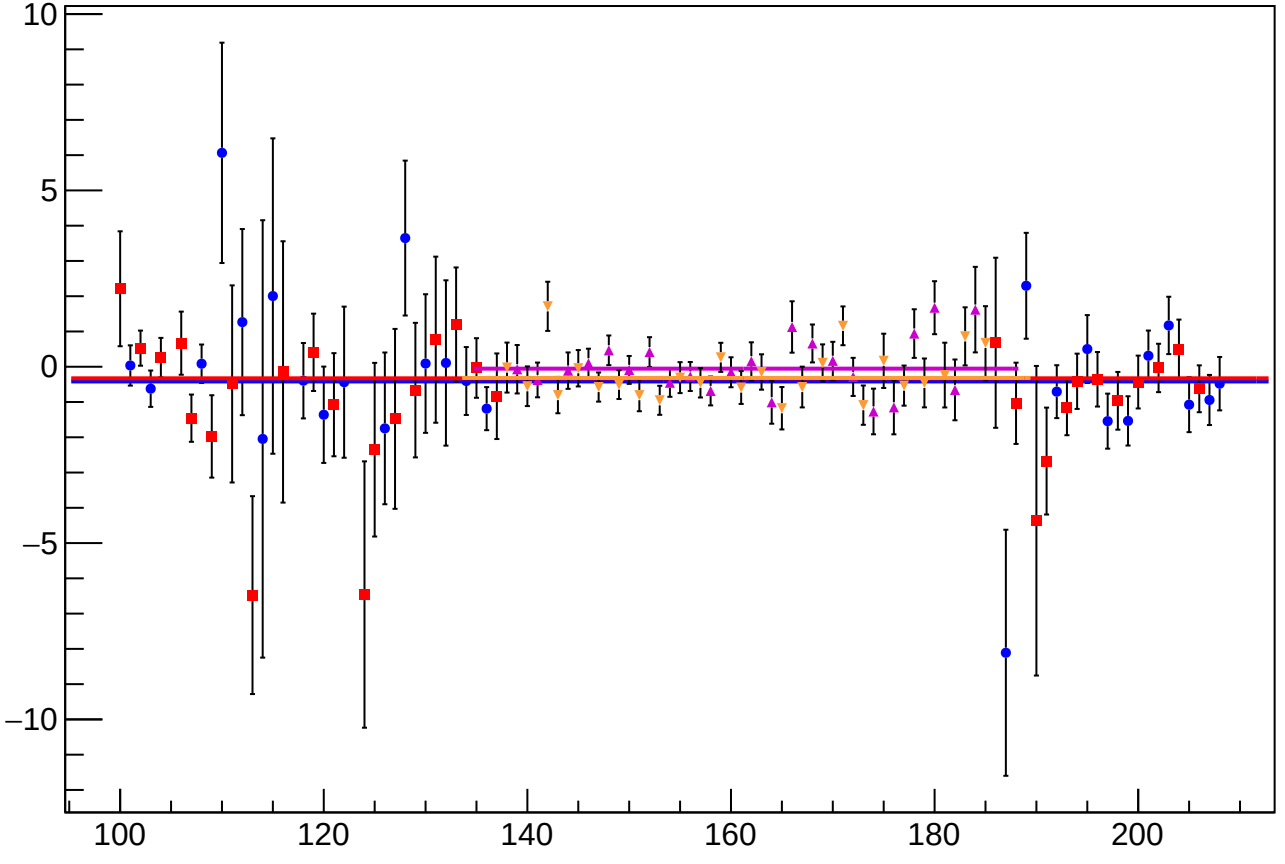
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9858.604+/-1.260 χ^2/NDF: 8688746.5/51

All: 9975.662+/-0.907 χ^2/NDF: 18233850.6/1

- sign 10101.622+/-1.307 χ^2/NDF: 9527175.4/53

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.416+/-0.175 χ^2/NDF: 32.7/26

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.328+/-0.176 χ^2/NDF: 29.9/30

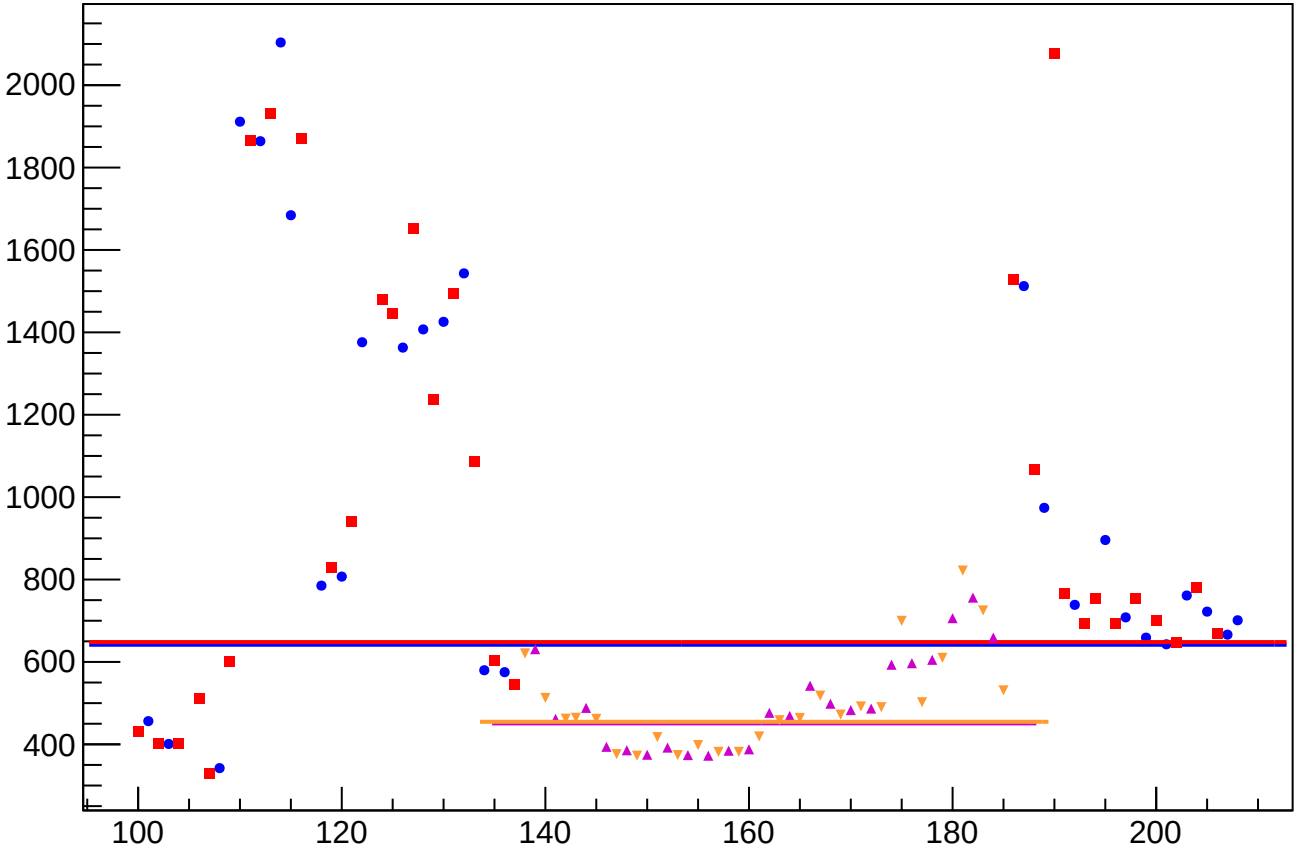
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.344+/-0.091 χ^2/NDF: 65.2/51

All: -0.238+/-0.065 χ^2/NDF: 129.4/105

- sign -0.129+/-0.092 χ^2/NDF: 61.4/53

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 641.705+/-0.124 χ^2/NDF: 4135792.2/26

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 648.277+/-0.125 χ^2/NDF: 4700062.7/30

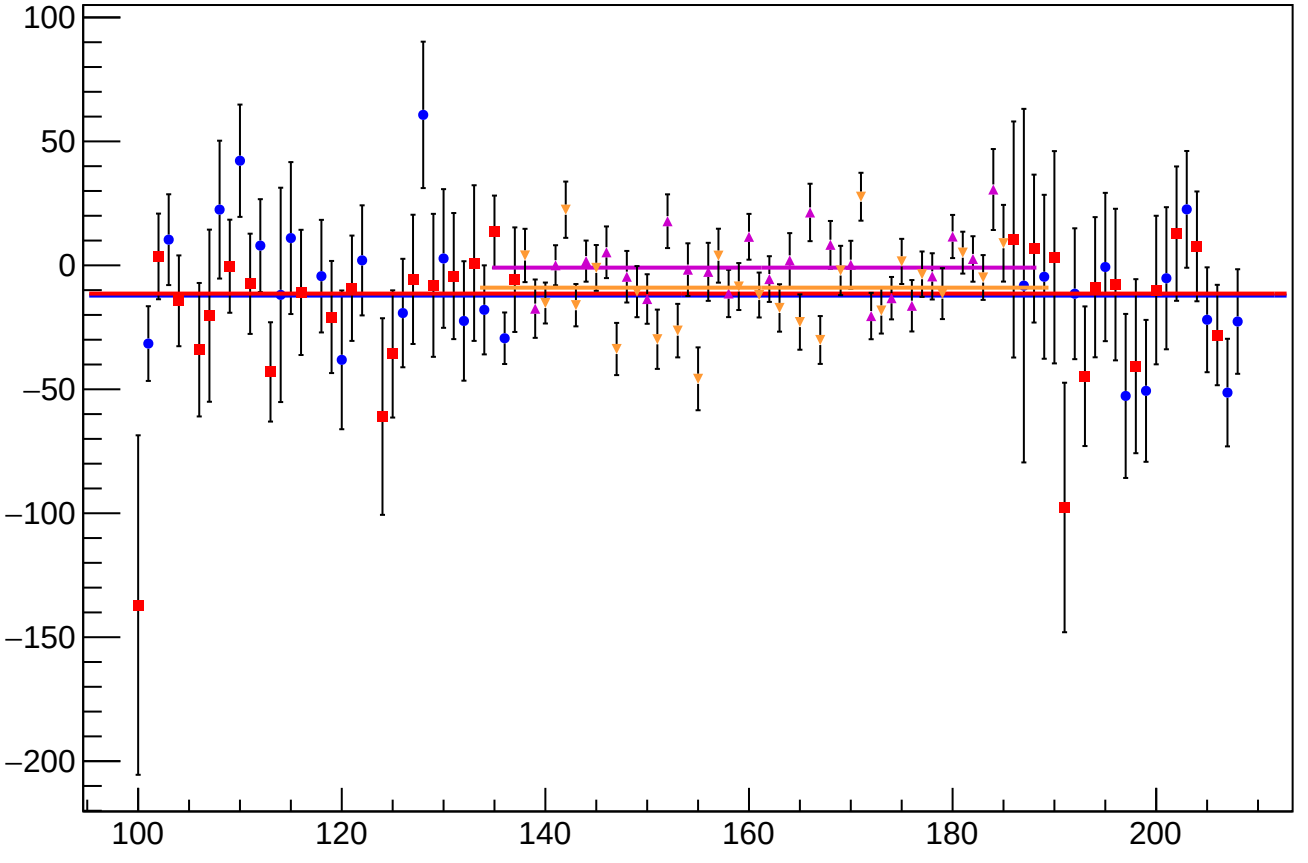
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 504.923+/-0.064 χ^2/NDF: 7259790.5/51

All: 504.818+/-0.046 χ^2/NDF: 15253586.9/10

- sign 504.710+/-0.065 χ^2/NDF: 7993791.0/53

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -12.198+/-4.290 χ^2/NDF: 32.6/26

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

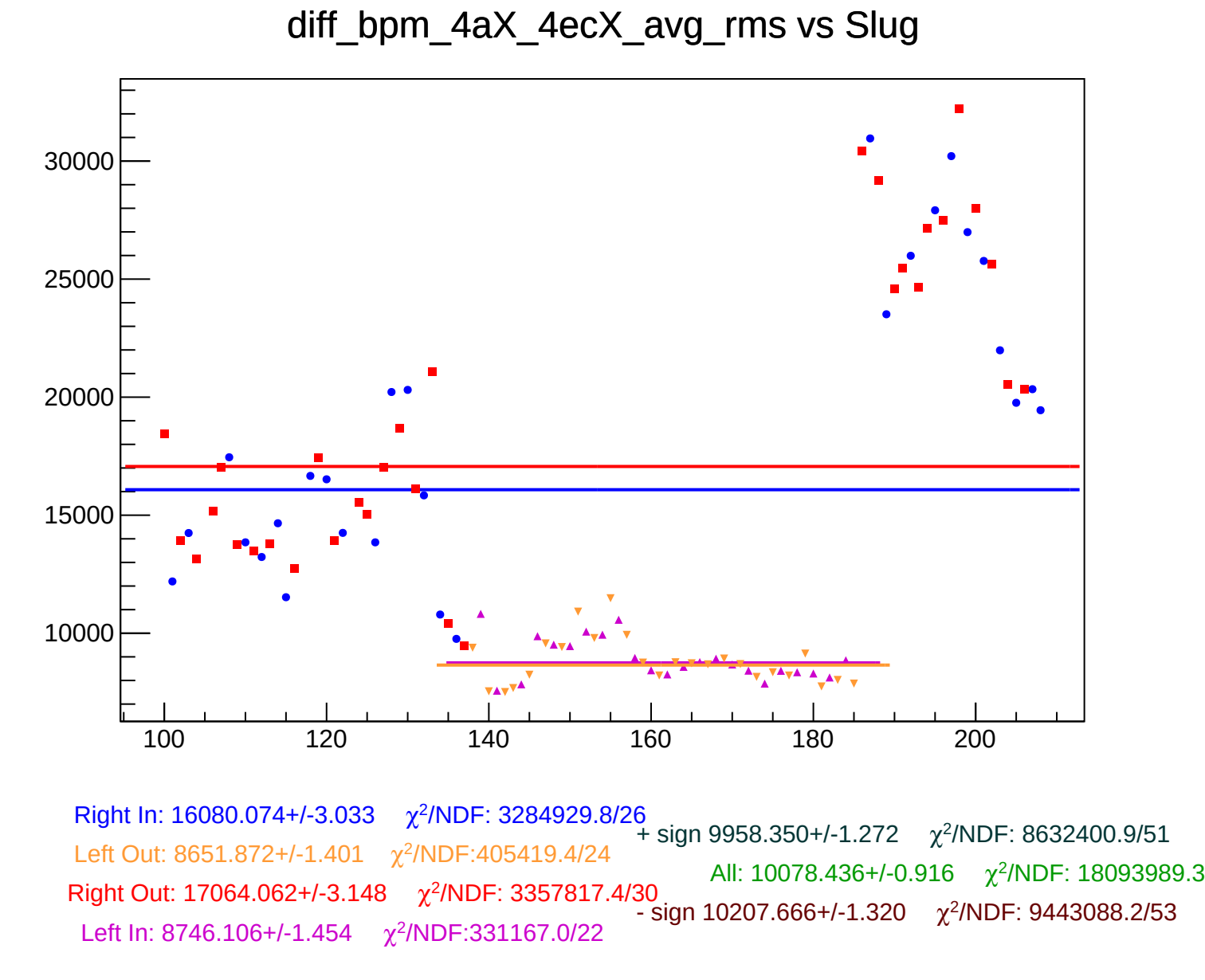
Right Out: -11.392+/-4.452 χ^2/NDF: 21.7/30

Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

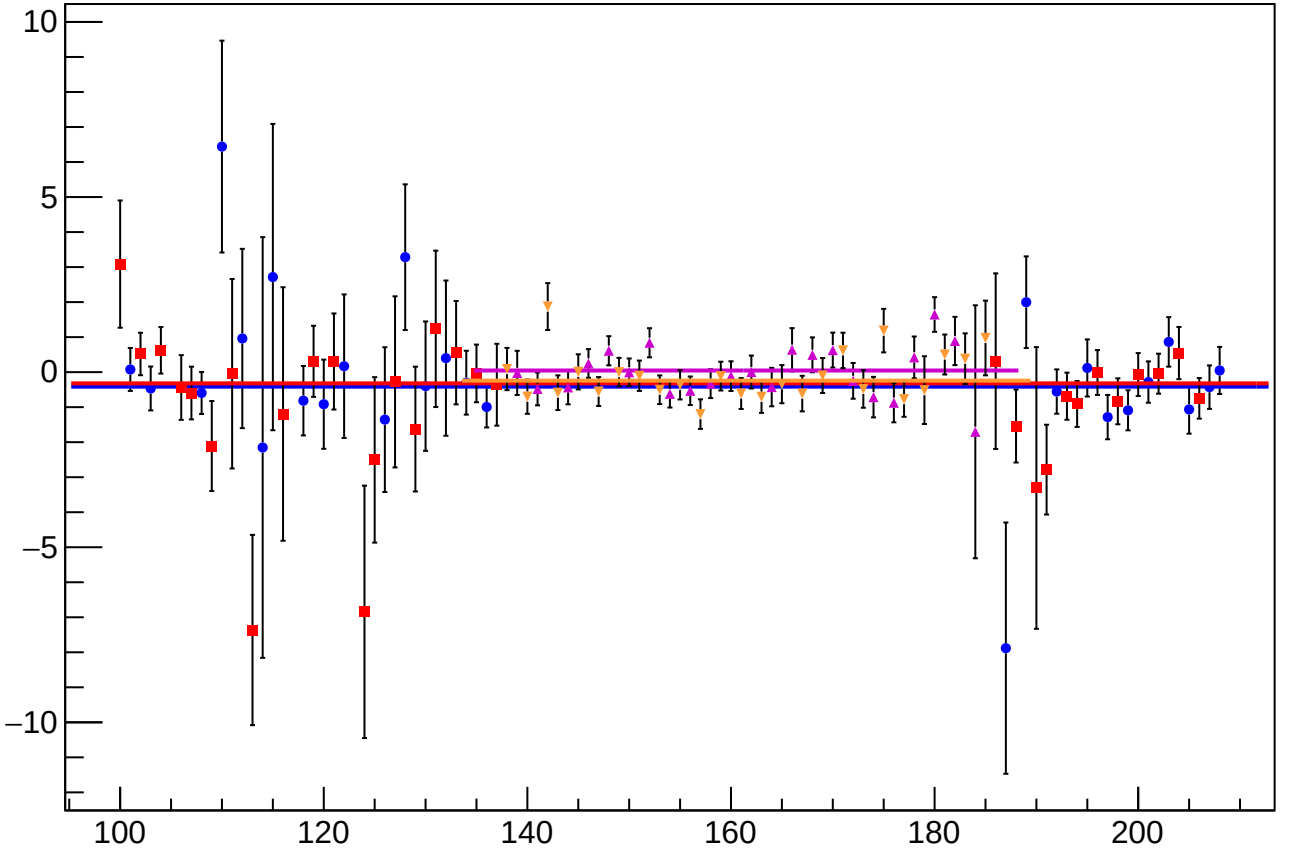
+ sign -9.563+/-1.799 χ^2/NDF: 94.3/51

All: -6.288+/-1.295 χ^2/NDF: 157.3/105

- sign -2.764+/-1.866 χ^2/NDF: 56.1/53


diff_bpm_4aX_4ecX_avg_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 16080.074+/-3.033 χ²/NDF: 3284929.8/26
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 17064.062+/-3.148 χ²/NDF: 3357817.4/30
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
+ sign 9958.350+/-1.272 χ²/NDF: 8632400.9/51
All: 10078.436+/-0.916 χ²/NDF: 18093989.3
- sign 10207.666+/-1.320 χ²/NDF: 9443088.2/53

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.414+/-0.164 χ^2/NDF: 27.8/26

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.321+/-0.167 χ^2/NDF: 32.5/30

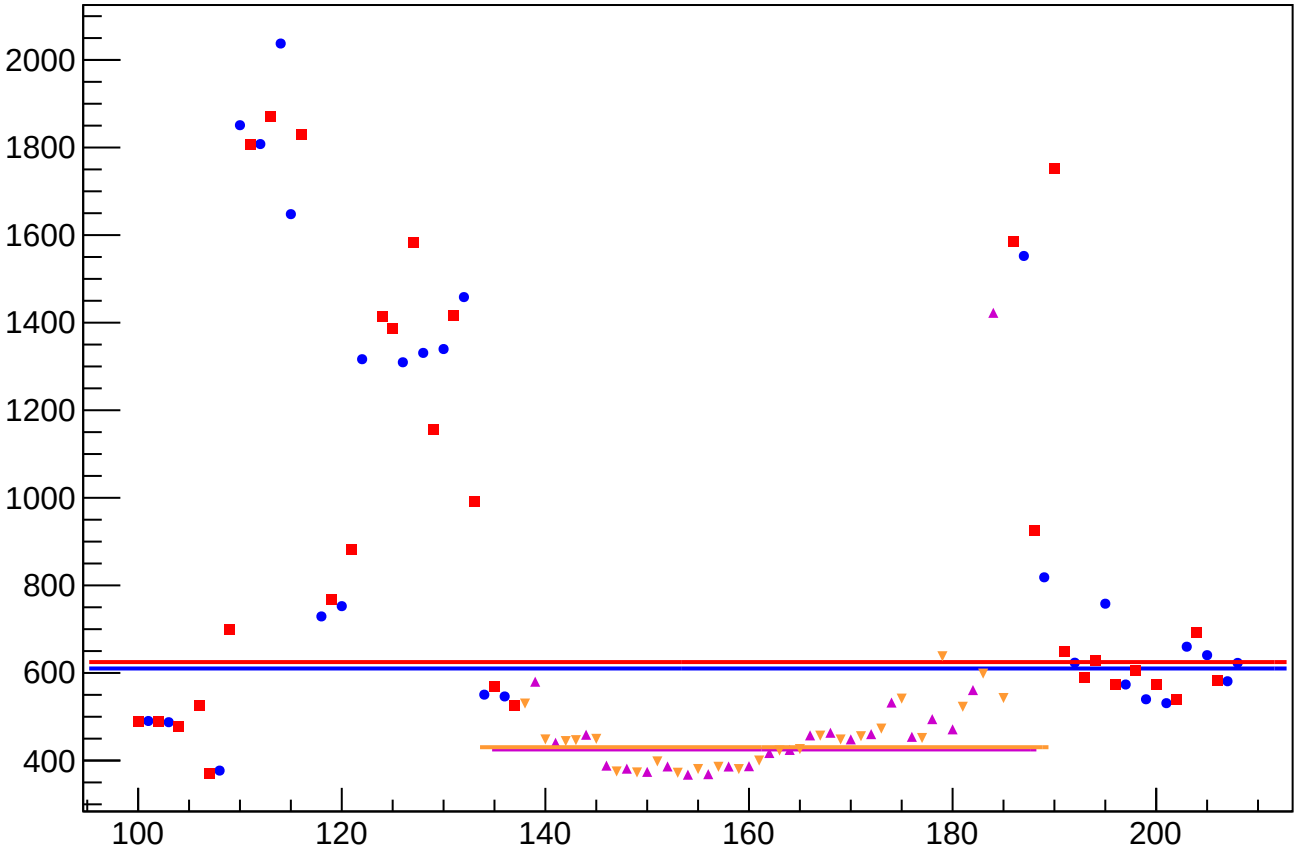
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.289+/-0.085 χ^2/NDF: 62.9/51

All: -0.173+/-0.061 χ^2/NDF: 137.8/105

- sign -0.052+/-0.087 χ^2/NDF: 71.1/53

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 610.200+/-0.116 χ^2/NDF: 3199759.5/26

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

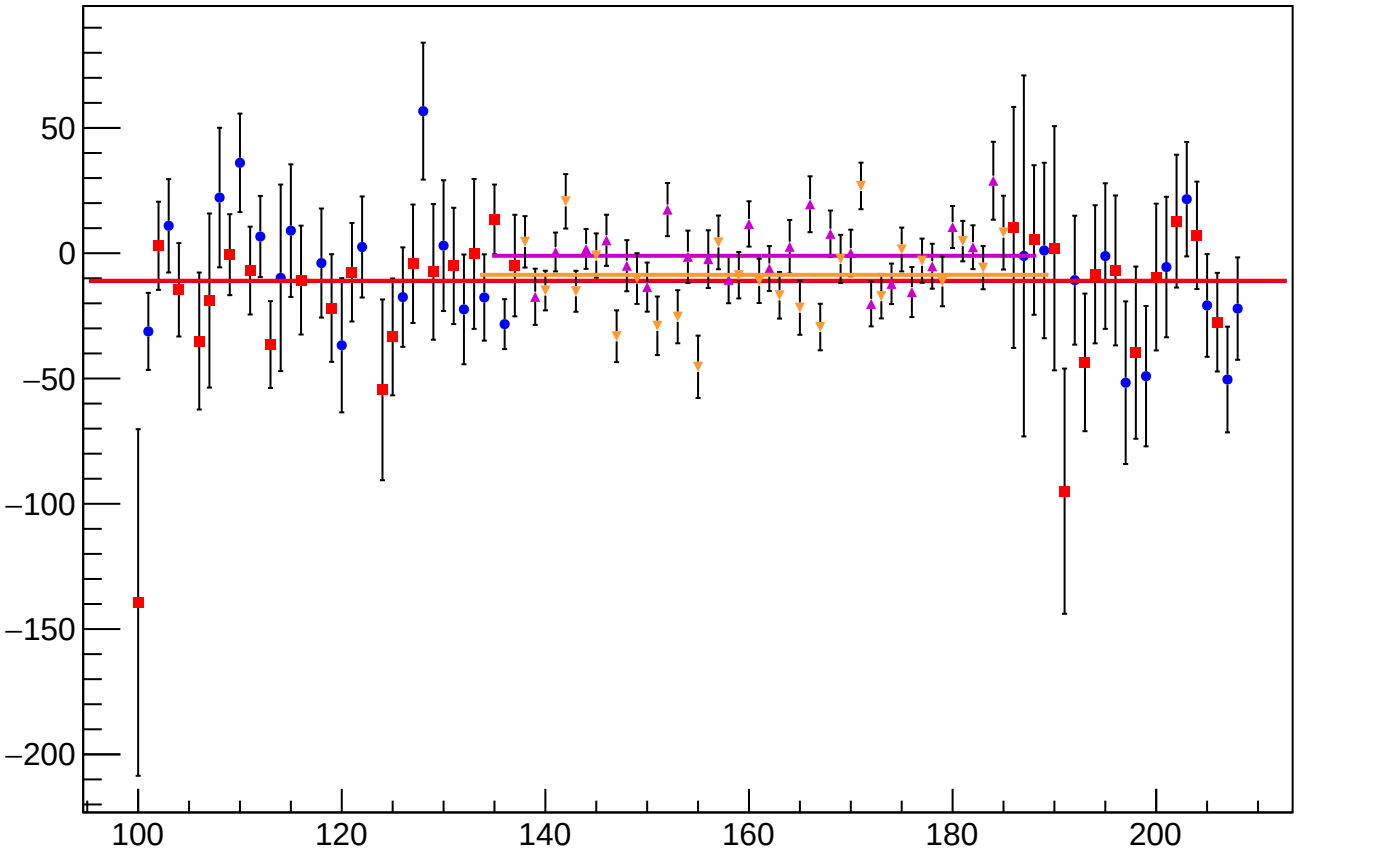
Right Out: 624.864+/-0.118 χ^2/NDF: 3515173.3/30

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 479.398+/-0.060 χ^2/NDF: 5600800.2/51

All: 479.296+/-0.043 χ^2/NDF: 11916685.1/10

- sign 479.190+/-0.061 χ^2/NDF: 6315879.0/53



Right In: -11.115+/-4.085 χ^2/NDF: 33.2/26

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

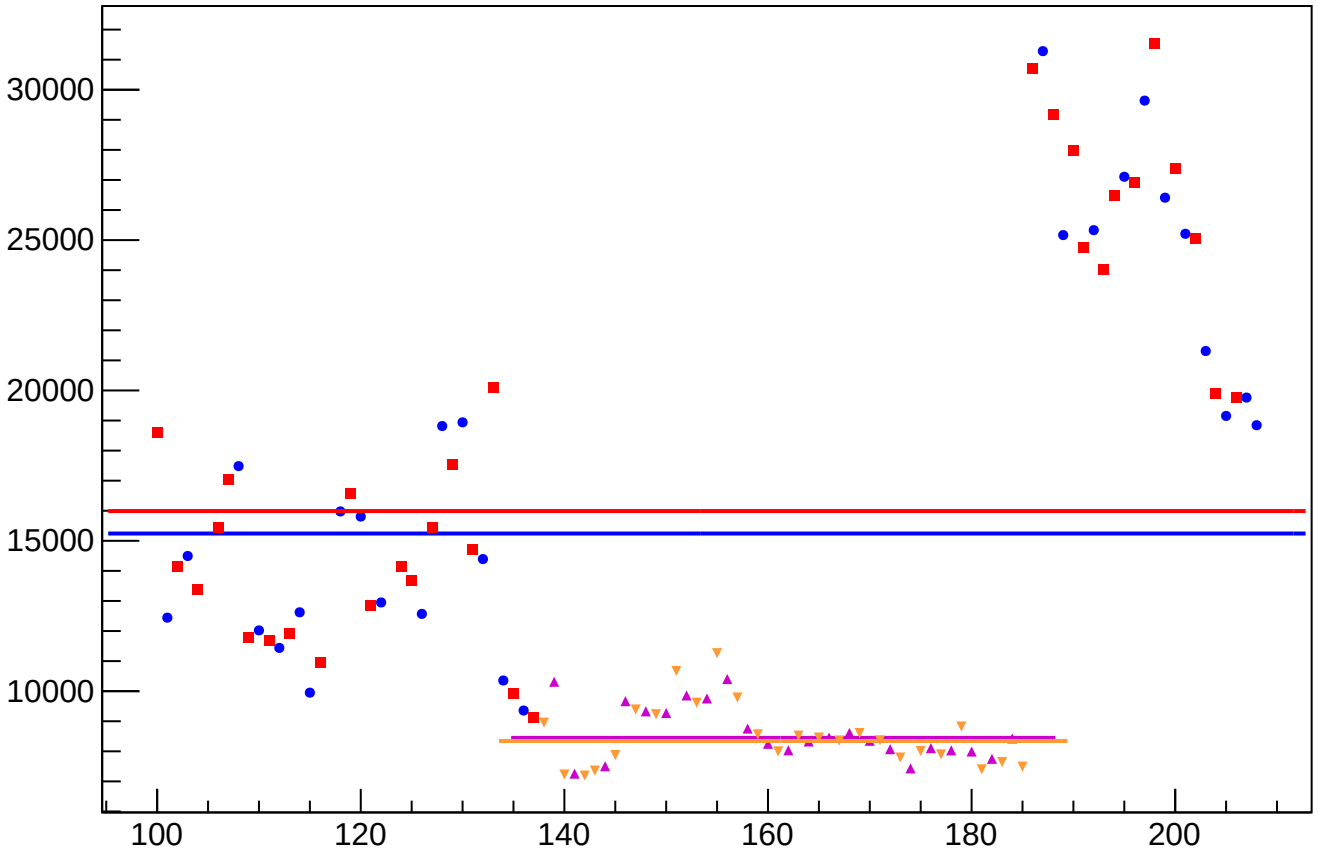
Right Out: -10.984+/-4.209 χ^2/NDF: 21.6/30

Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -9.071+/-1.732 χ^2/NDF: 95.2/51

All: -6.069+/-1.247 χ^2/NDF: 157.3/105

- sign -2.841+/-1.797 χ^2/NDF: 55.9/53



Right In: 15242.800+/-2.889 χ^2/NDF: 3571109.0/26

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 15989.601+/-2.976 χ^2/NDF: 3852565.4/30

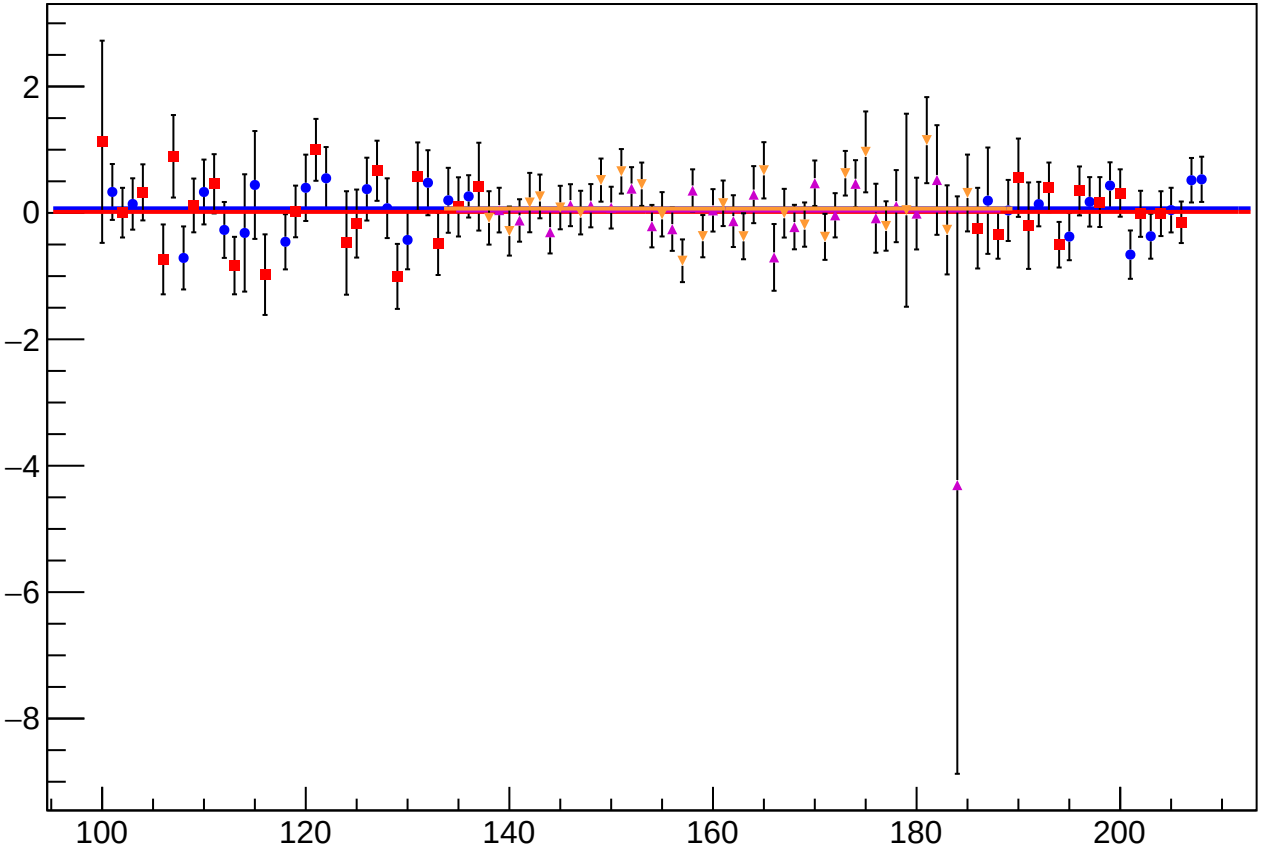
Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 9585.050+/-1.225 χ^2/NDF: 8717899.0/51

All: 9698.763+/-0.882 χ^2/NDF: 18223542.0/1

- sign 9821.043+/-1.270 χ^2/NDF: 9487761.5/53

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.072+/-0.084 χ^2/NDF: 20.4/26

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.016+/-0.083 χ^2/NDF: 31.1/30

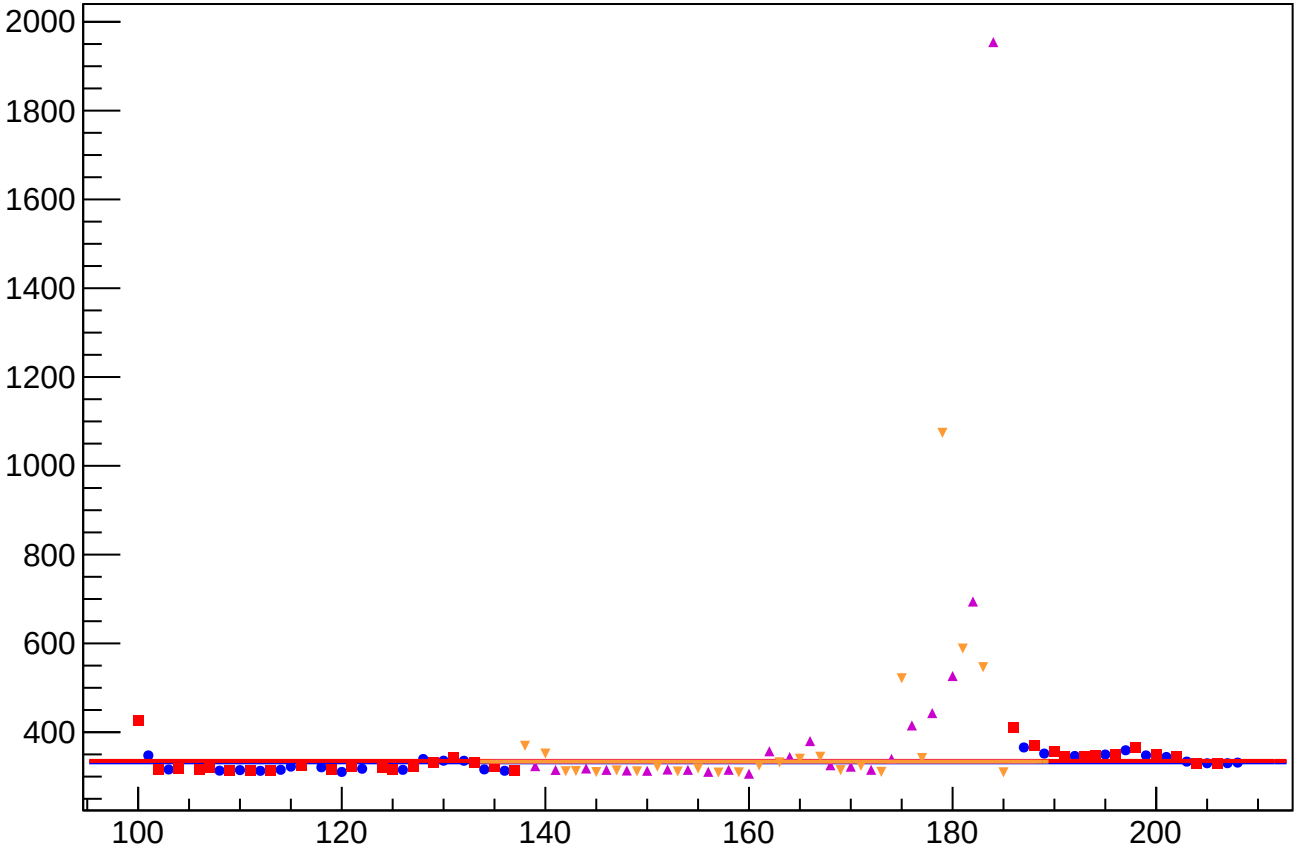
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.071+/-0.057 χ^2/NDF: 48.6/51

All: 0.049+/-0.041 χ^2/NDF: 91.6/105

- sign 0.027+/-0.058 χ^2/NDF: 42.8/53

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 332.158+/-0.059 χ^2/NDF: 62864.7/26

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 335.349+/-0.059 χ^2/NDF: 116206.8/30

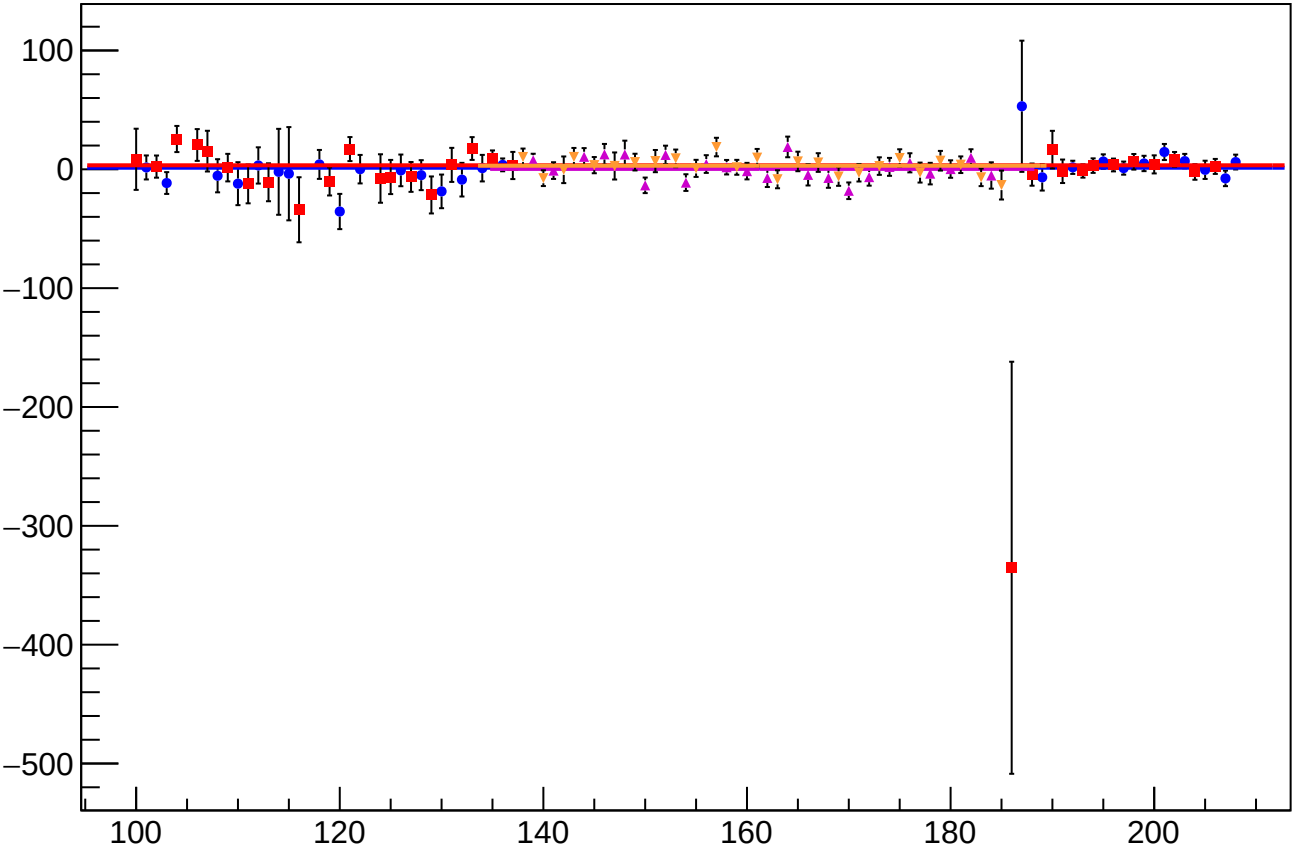
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 333.017+/-0.041 χ^2/NDF: 1280520.5/51

All: 333.827+/-0.029 χ^2/NDF: 2448791.6/105

- sign 334.648+/-0.041 χ^2/NDF: 1167471.1/53

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: 1.339+/-1.672 χ^2/NDF: 21.6/26

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

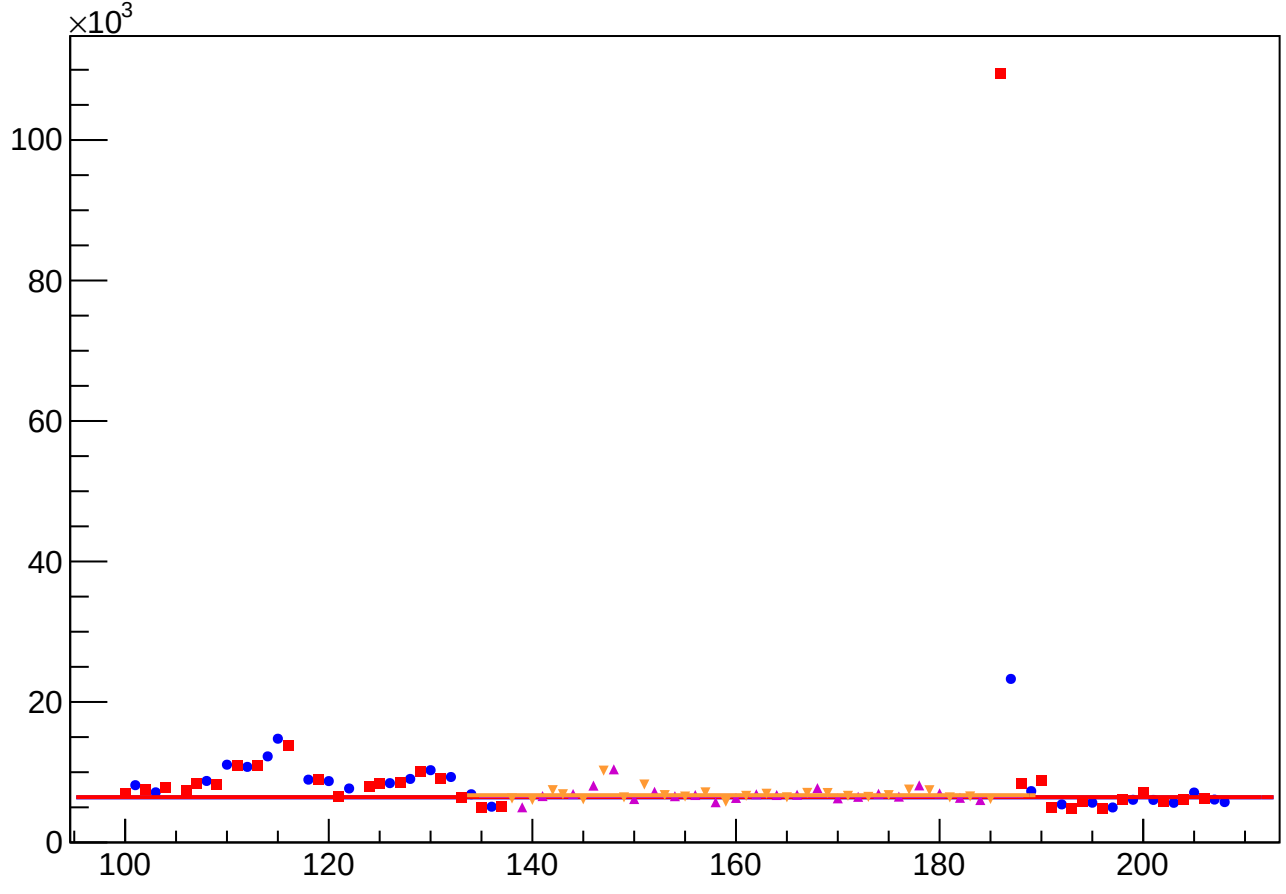
Right Out: 3.390+/-1.670 χ^2/NDF: 27.5/30

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 2.249+/-1.133 χ^2/NDF: 42.5/51

All: 2.014+/-0.805 χ^2/NDF: 105.7/105

- sign 1.775+/-1.143 χ^2/NDF: 63.1/53



Right In: 6414.797+/-1.182 χ^2/NDF: 1731813.7/26

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6453.257+/-1.181 χ^2/NDF: 2371629.8/30

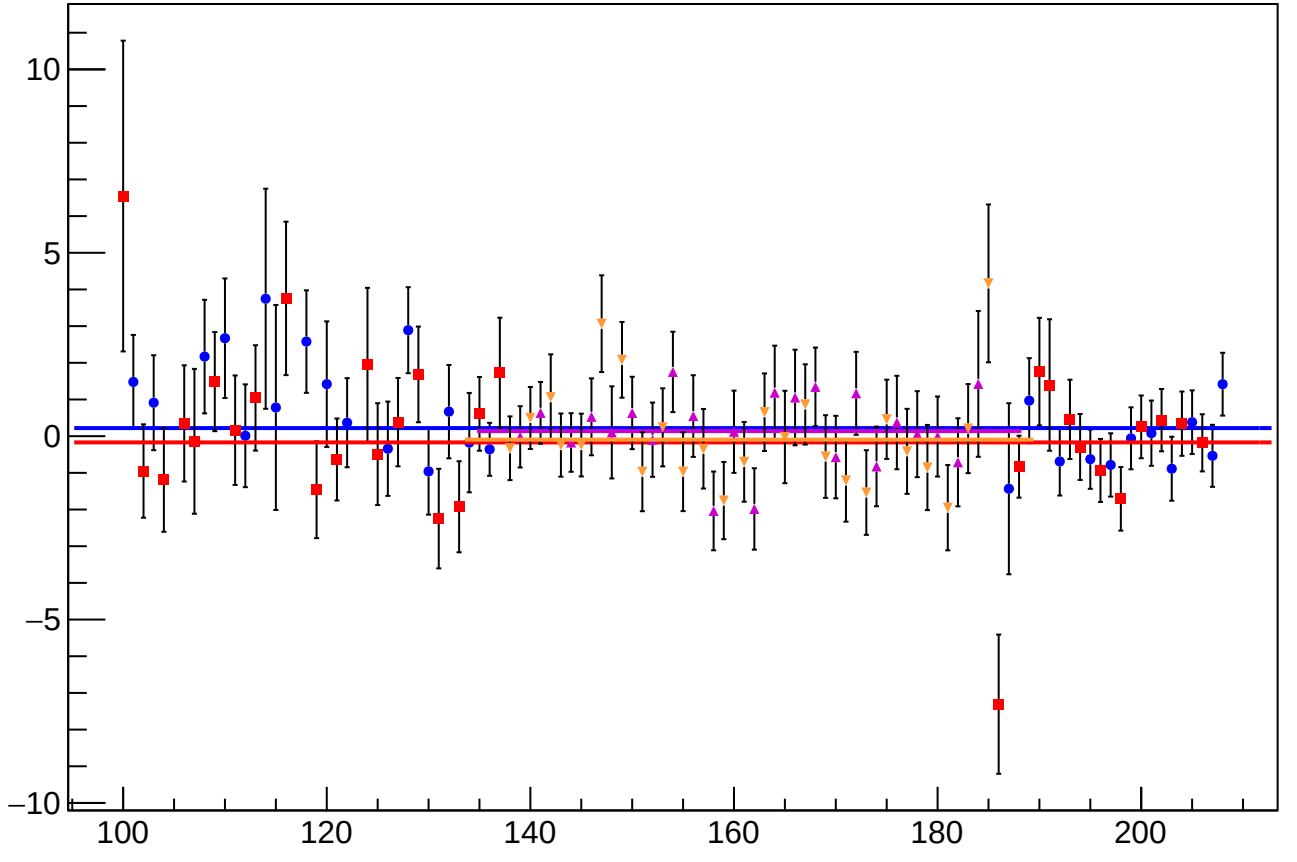
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6581.357+/-0.801 χ^2/NDF: 2171861.9/51

All: 6565.129+/-0.569 χ^2/NDF: 5186083.5/10

- sign 6548.616+/-0.808 χ^2/NDF: 3013394.3/53

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.221+/-0.211 χ^2/NDF: 26.0/26

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.170+/-0.211 χ^2/NDF: 42.9/30

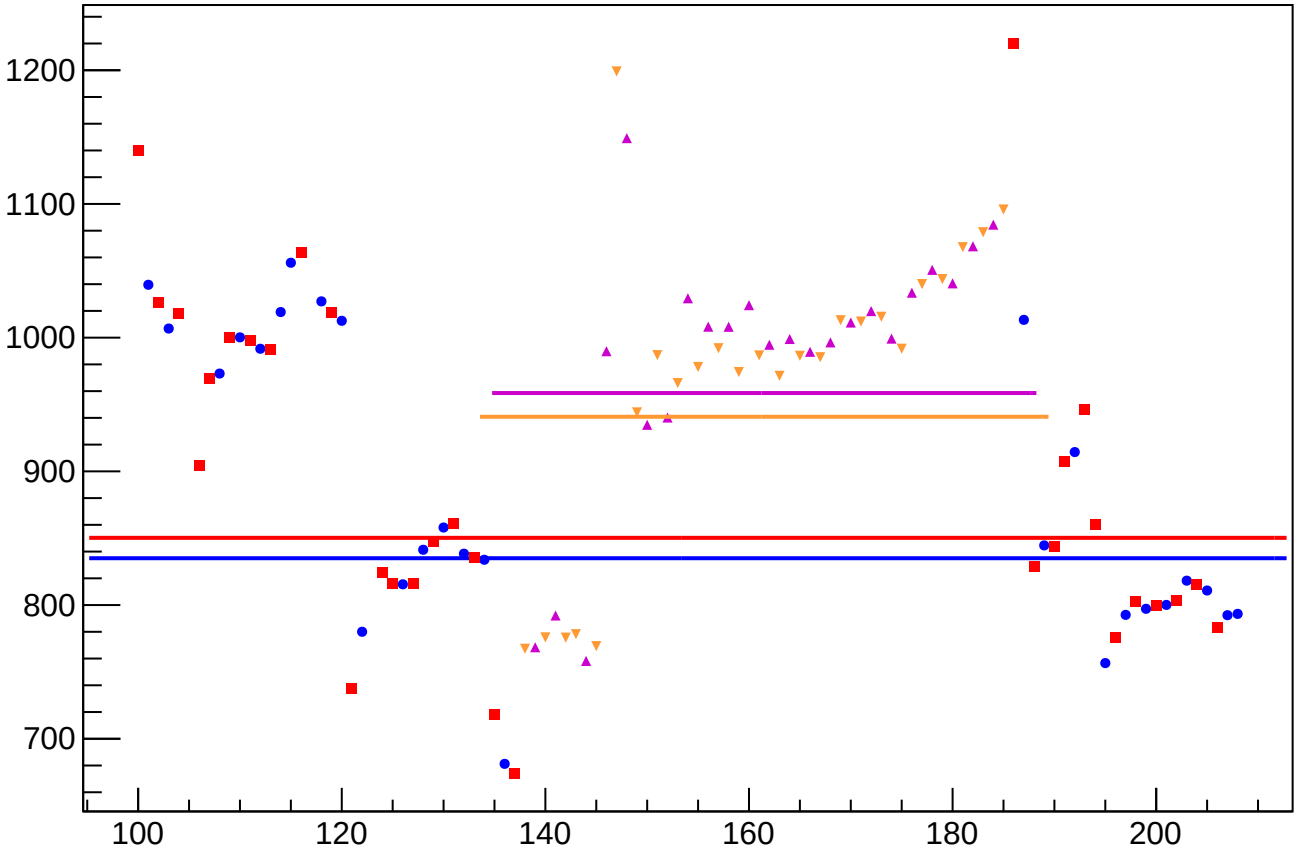
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.066+/-0.151 χ^2/NDF: 54.4/51

All: 0.021+/-0.108 χ^2/NDF: 115.0/105

- sign -0.026+/-0.154 χ^2/NDF: 60.4/53

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 835.031+/-0.149 χ^2/NDF: 392531.1/26

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

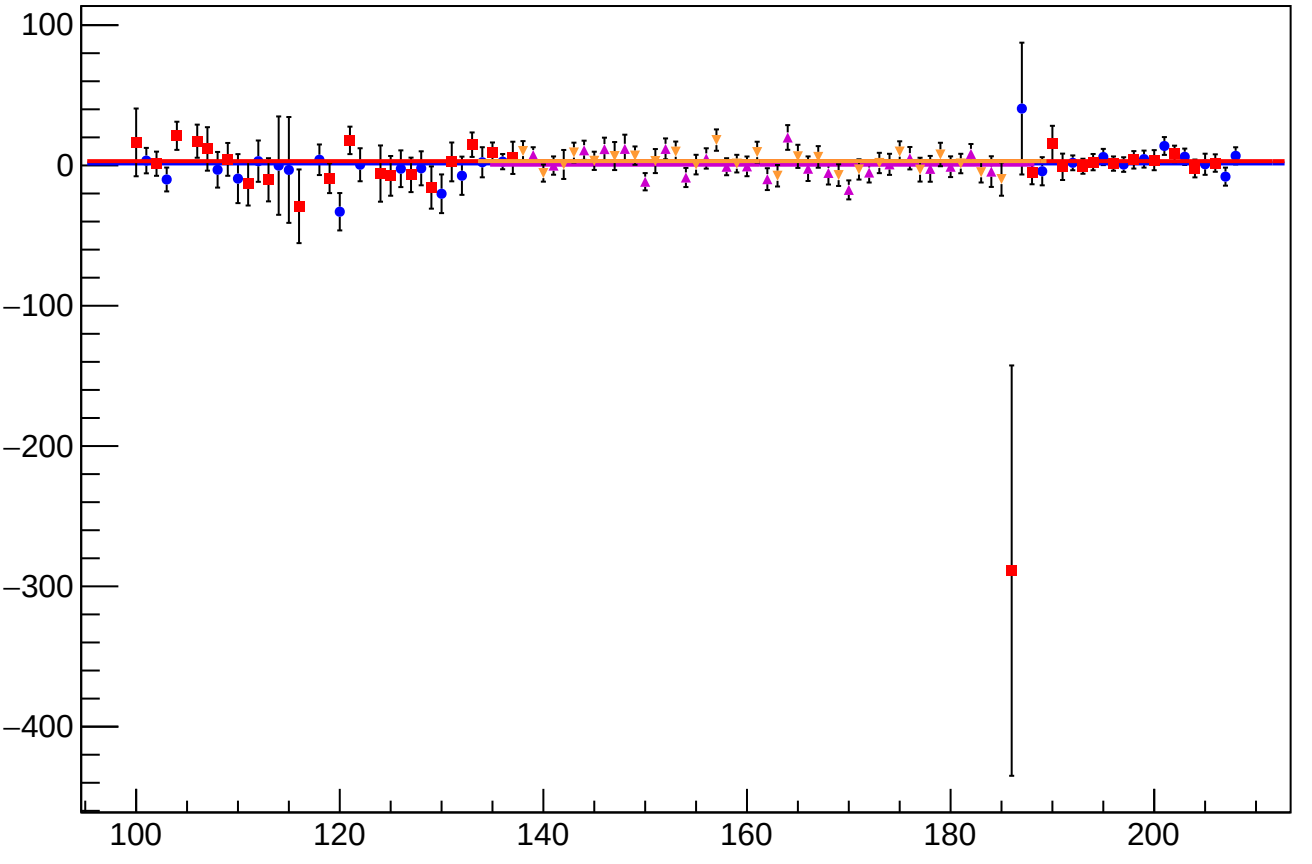
Right Out: 850.281+/-0.149 χ^2/NDF: 435360.4/30

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 886.862+/-0.107 χ^2/NDF: 1207587.9/51

All: 893.697+/-0.076 χ^2/NDF: 2354510.7/105

- sign 900.827+/-0.109 χ^2/NDF: 1138520.0/53



Right In: 1.417+/-1.598 χ^2/NDF: 21.6/26

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 3.061+/-1.585 χ^2/NDF: 26.0/30

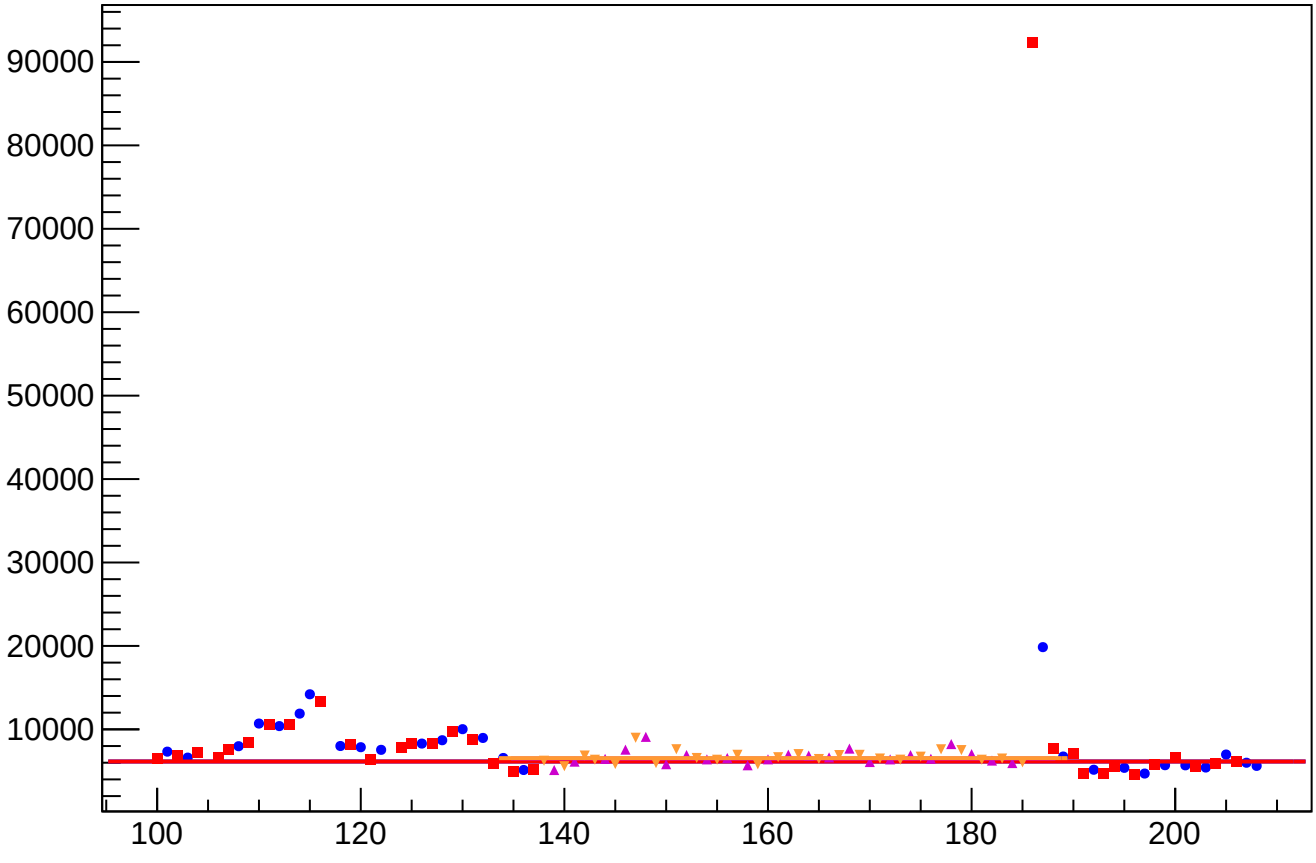
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 2.311+/-1.094 χ^2/NDF: 40.8/51

All: 2.032+/-0.777 χ^2/NDF: 100.3/105

- sign 1.749+/-1.103 χ^2/NDF: 59.4/53

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6146.865+/-1.130 χ^2/NDF: 1635364.5/26

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6145.414+/-1.121 χ^2/NDF: 2297245.9/30

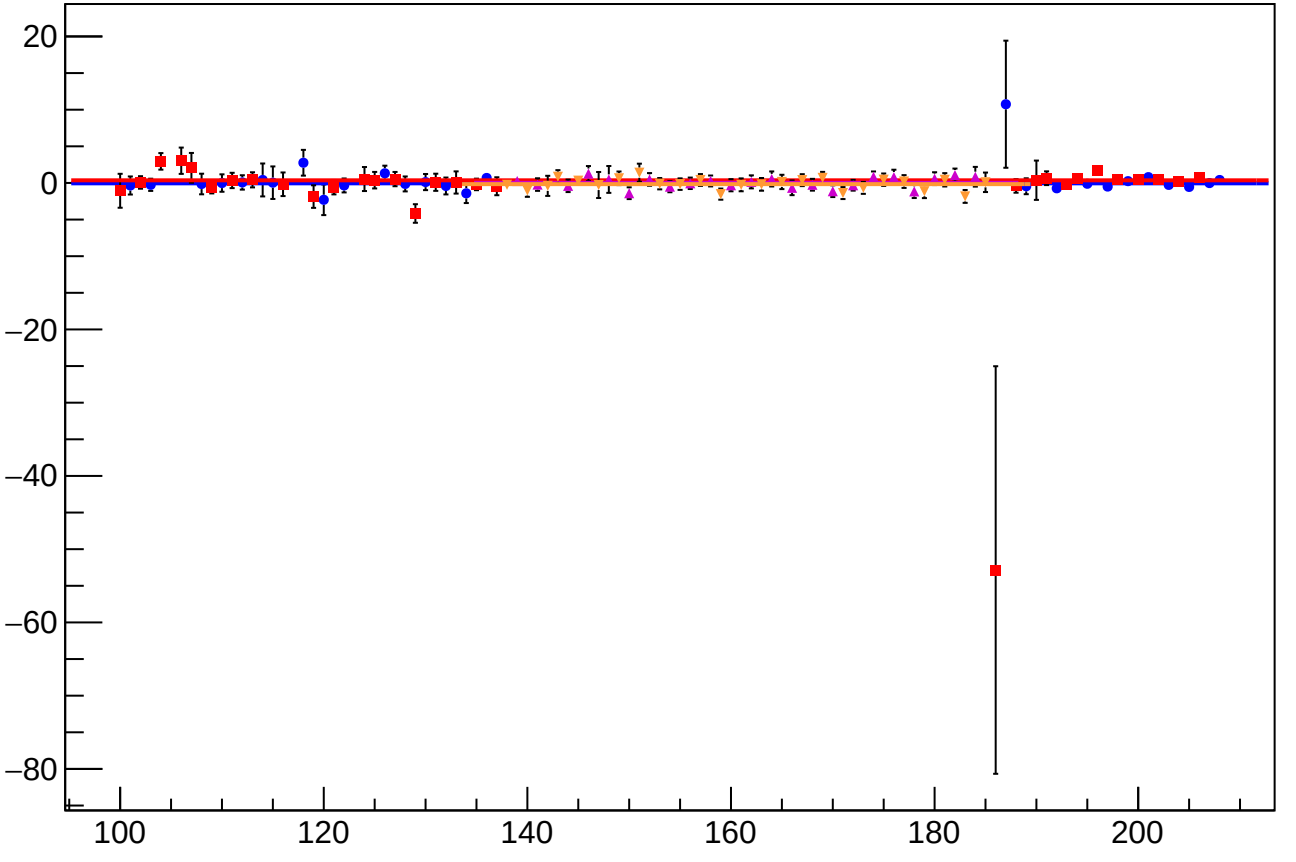
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6360.556+/-0.773 χ^2/NDF: 2068722.6/51

All: 6345.925+/-0.549 χ^2/NDF: 4935315.7/10

- sign 6331.053+/-0.780 χ^2/NDF: 2865871.5/53

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.053+/-0.143 χ^2/NDF: 16.9/26

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.358+/-0.149 χ^2/NDF: 39.1/30

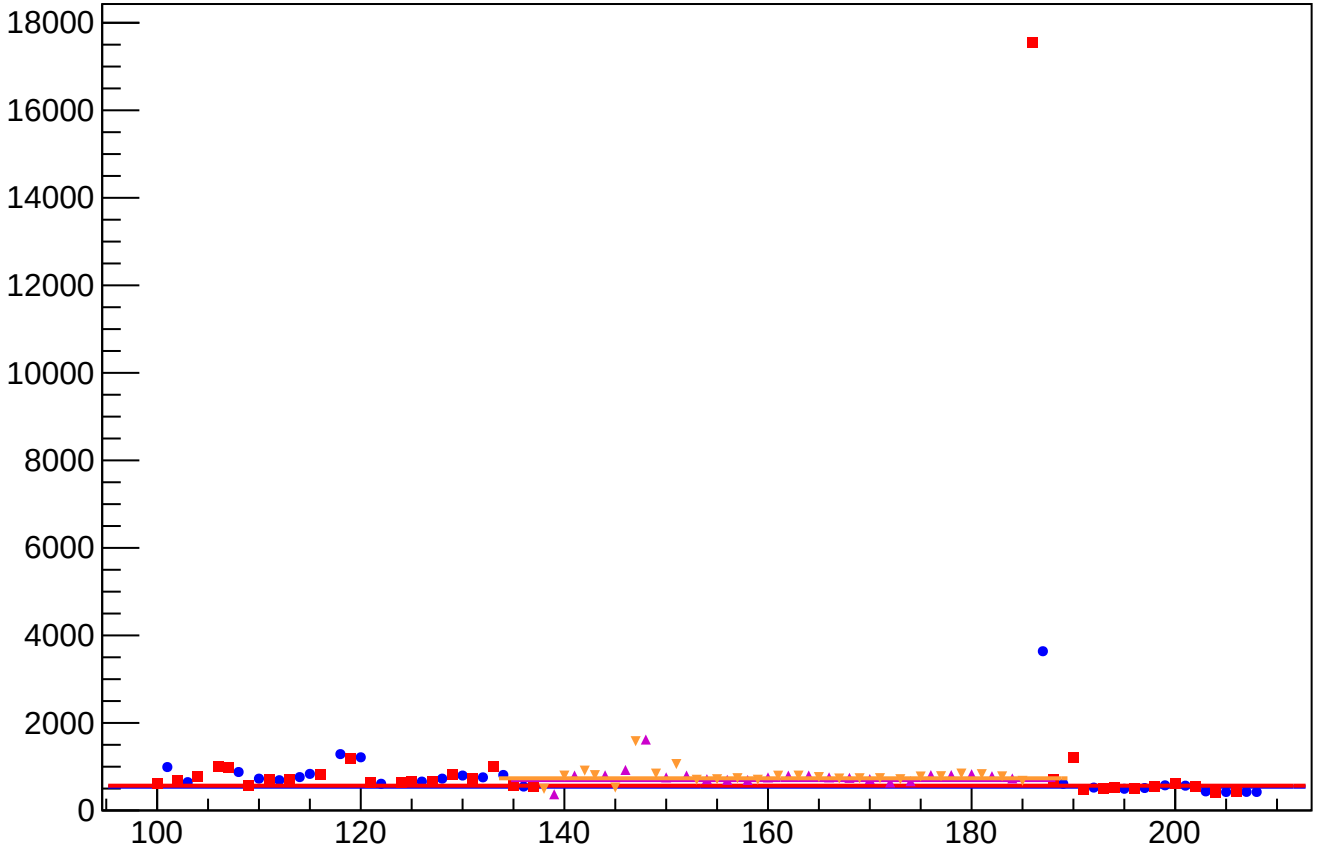
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.098+/-0.110 χ^2/NDF: 36.1/51

All: 0.054+/-0.078 χ^2/NDF: 96.5/105

- sign 0.210+/-0.112 χ^2/NDF: 56.6/53

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 542.053+/-0.101 χ^2/NDF: 2299368.5/26

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

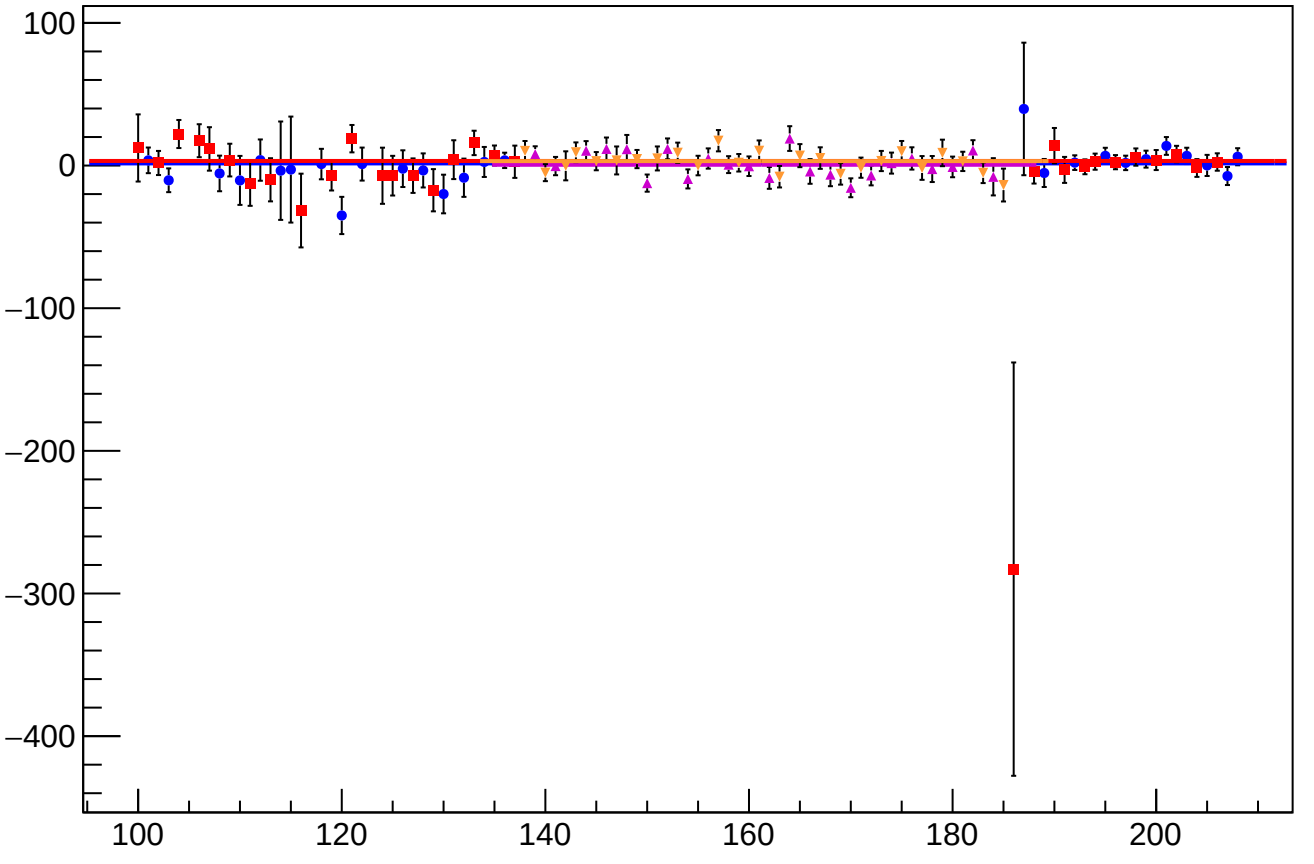
Right Out: 566.134+/-0.105 χ^2/NDF: 2534529.5/30

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 620.935+/-0.078 χ^2/NDF: 5124613.1/51

All: 621.418+/-0.055 χ^2/NDF: 10531322.1/10

- sign 621.915+/-0.079 χ^2/NDF: 5406630.8/53



Right In: 1.498+/-1.567 χ^2/NDF: 23.8/26

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 3.226+/-1.553 χ^2/NDF: 27.1/30

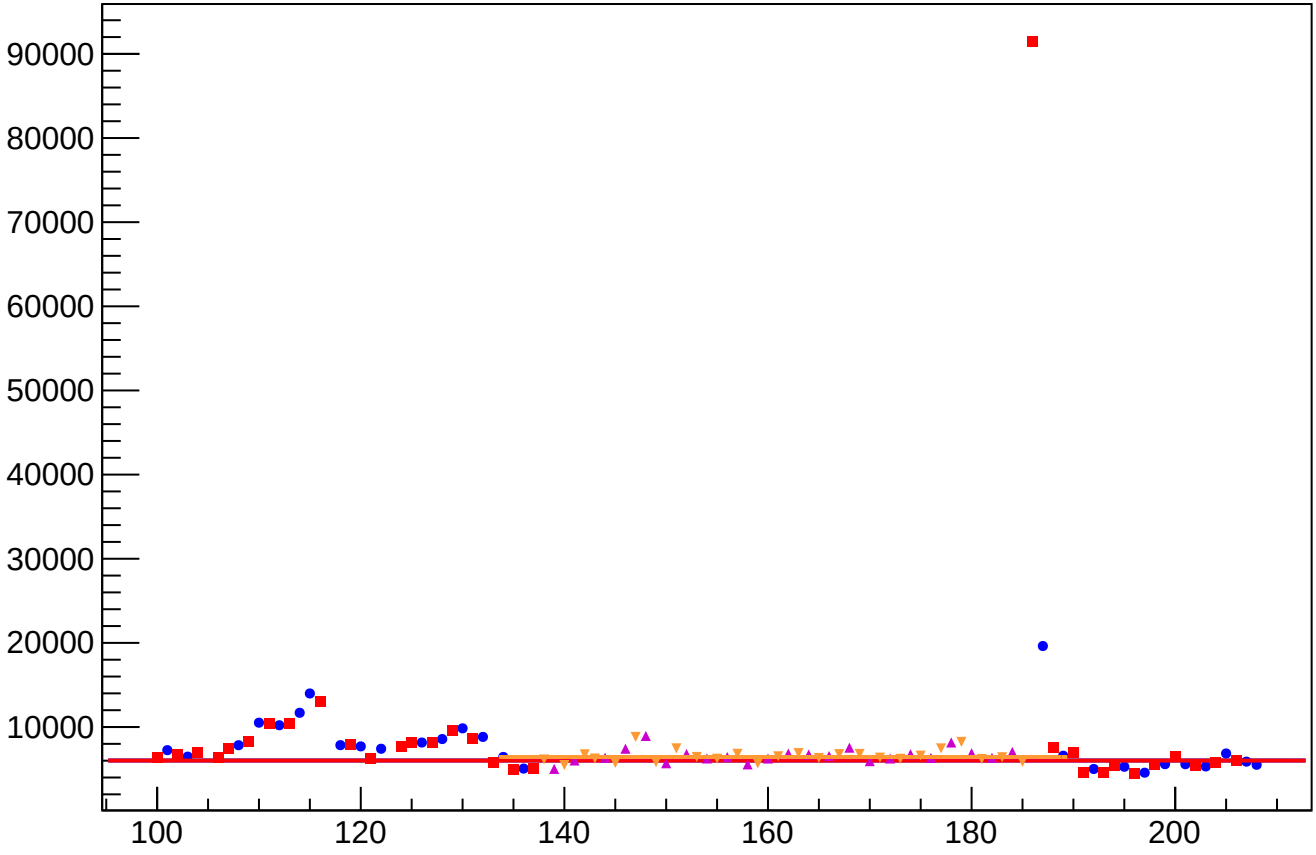
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 2.352+/-1.074 χ^2/NDF: 43.1/51

All: 2.105+/-0.763 χ^2/NDF: 105.4/105

- sign 1.852+/-1.084 χ^2/NDF: 62.2/53

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6022.068+/-1.108 χ^2/NDF: 1662864.9/26

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6015.544+/-1.098 χ^2/NDF: 2318506.1/30

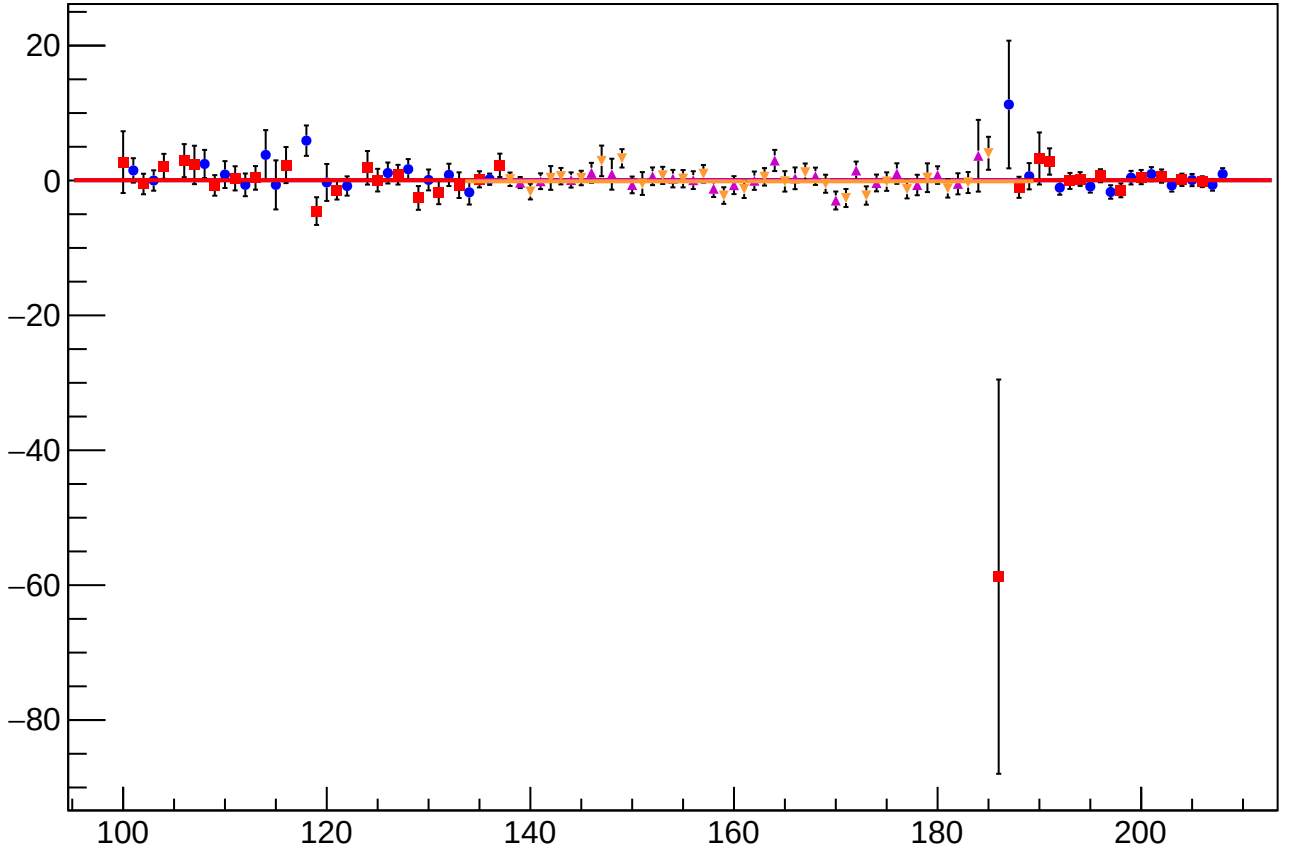
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6241.009+/-0.760 χ^2/NDF: 2153902.3/51

All: 6228.394+/-0.539 χ^2/NDF: 5062665.8/10

- sign 6215.563+/-0.766 χ^2/NDF: 2908207.3/53

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.042+/-0.248 χ^2/NDF: 23.4/26

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.041+/-0.257 χ^2/NDF: 27.5/30

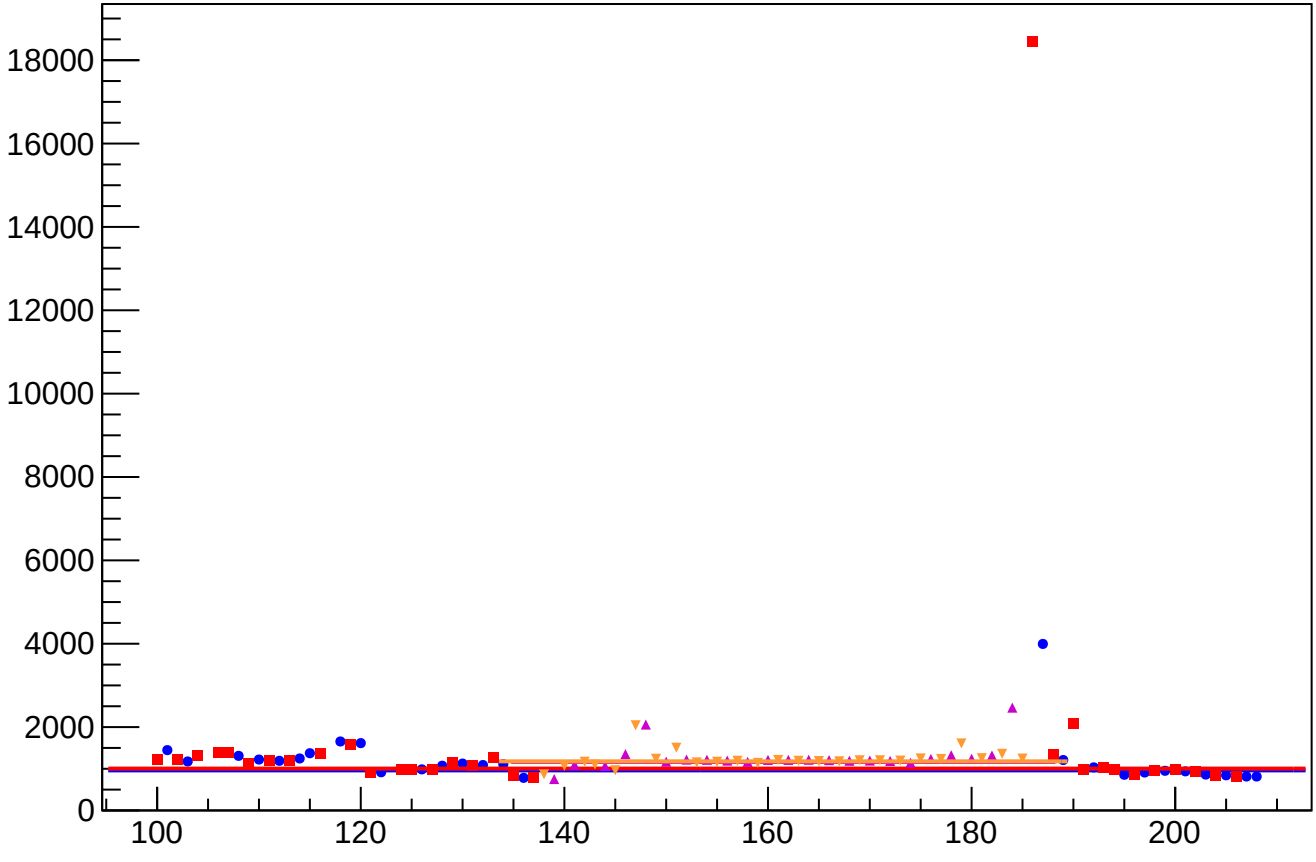
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.032+/-0.184 χ^2/NDF: 50.6/51

All: 0.001+/-0.132 χ^2/NDF: 92.5/105

- sign 0.035+/-0.189 χ^2/NDF: 41.9/53

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 961.090+/-0.176 χ^2/NDF: 1257520.2/26

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

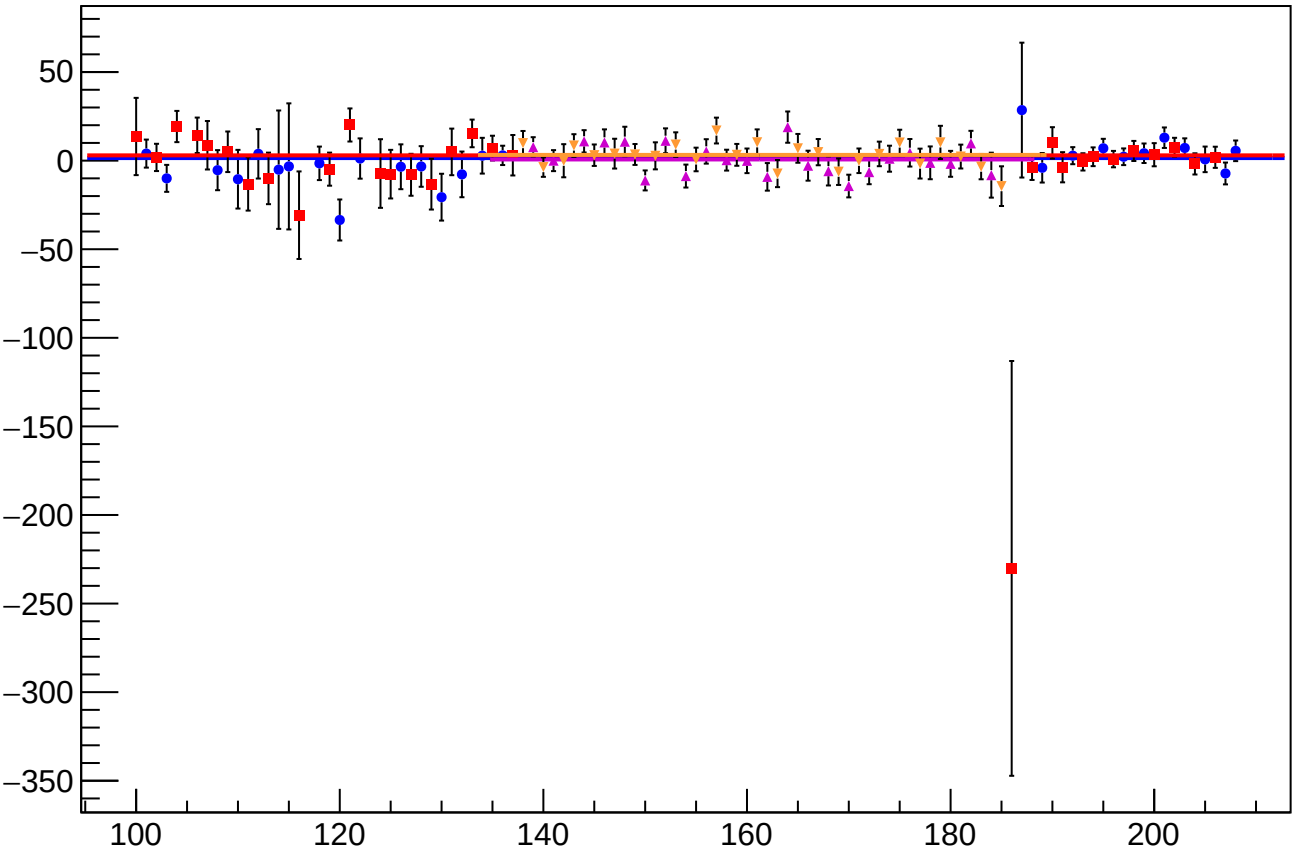
Right Out: 1004.084+/-0.182 χ^2/NDF: 1792594.5/30

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1058.997+/-0.130 χ^2/NDF: 2746895.7/51

All: 1068.037+/-0.093 χ^2/NDF: 5956646.6/10

- sign 1077.597+/-0.134 χ^2/NDF: 3199793.6/53



Right In: 1.448+/-1.479 χ^2/NDF: 26.2/26

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

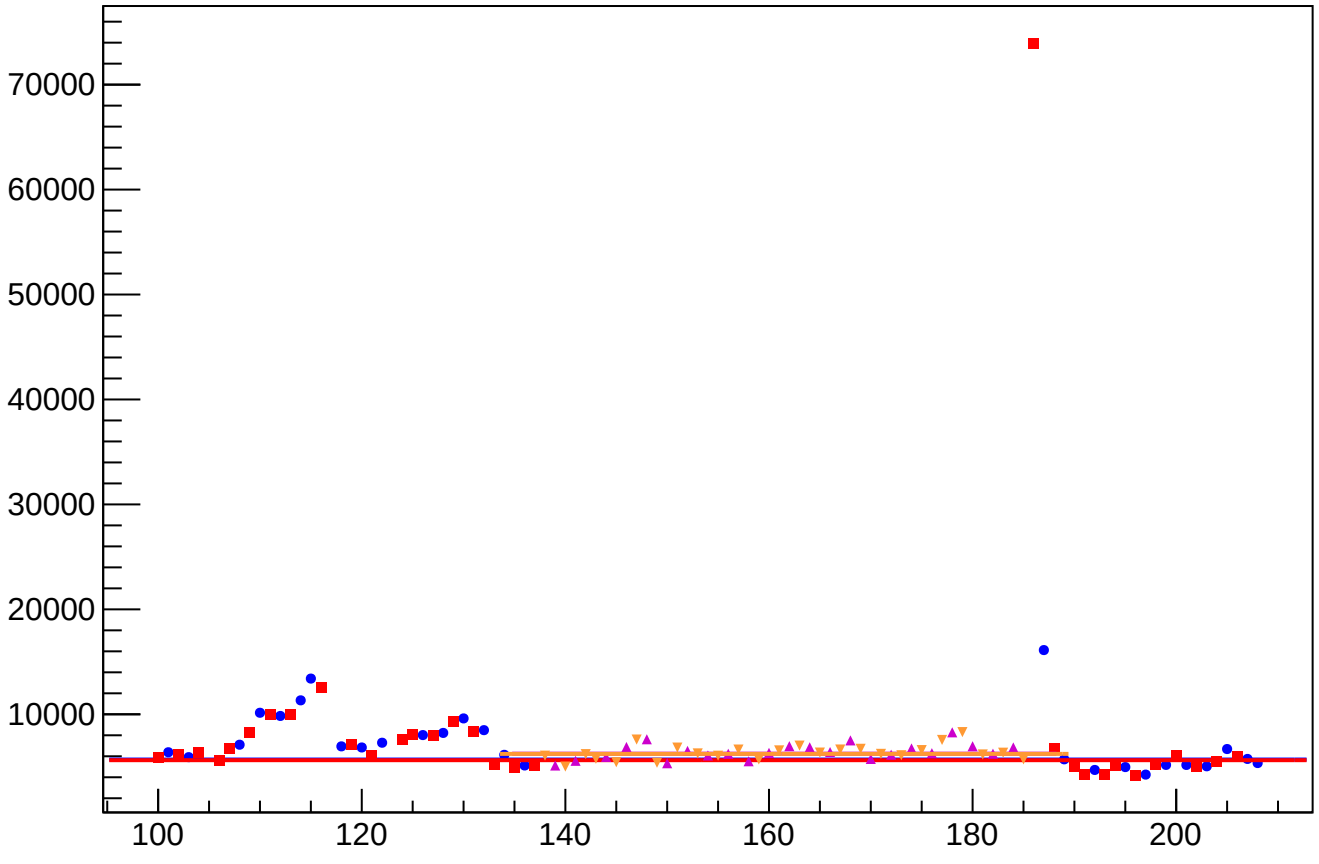
Right Out: 2.980+/-1.451 χ^2/NDF: 27.4/30

Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 2.372+/-1.028 χ^2/NDF: 44.8/51

All: 2.108+/-0.729 χ^2/NDF: 106.0/105

- sign 1.841+/-1.034 χ^2/NDF: 61.1/53



Right In: 5688.709+/-1.046 χ^2/NDF: 1642113.8/26

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5627.979+/-1.026 χ^2/NDF: 2339253.9/30

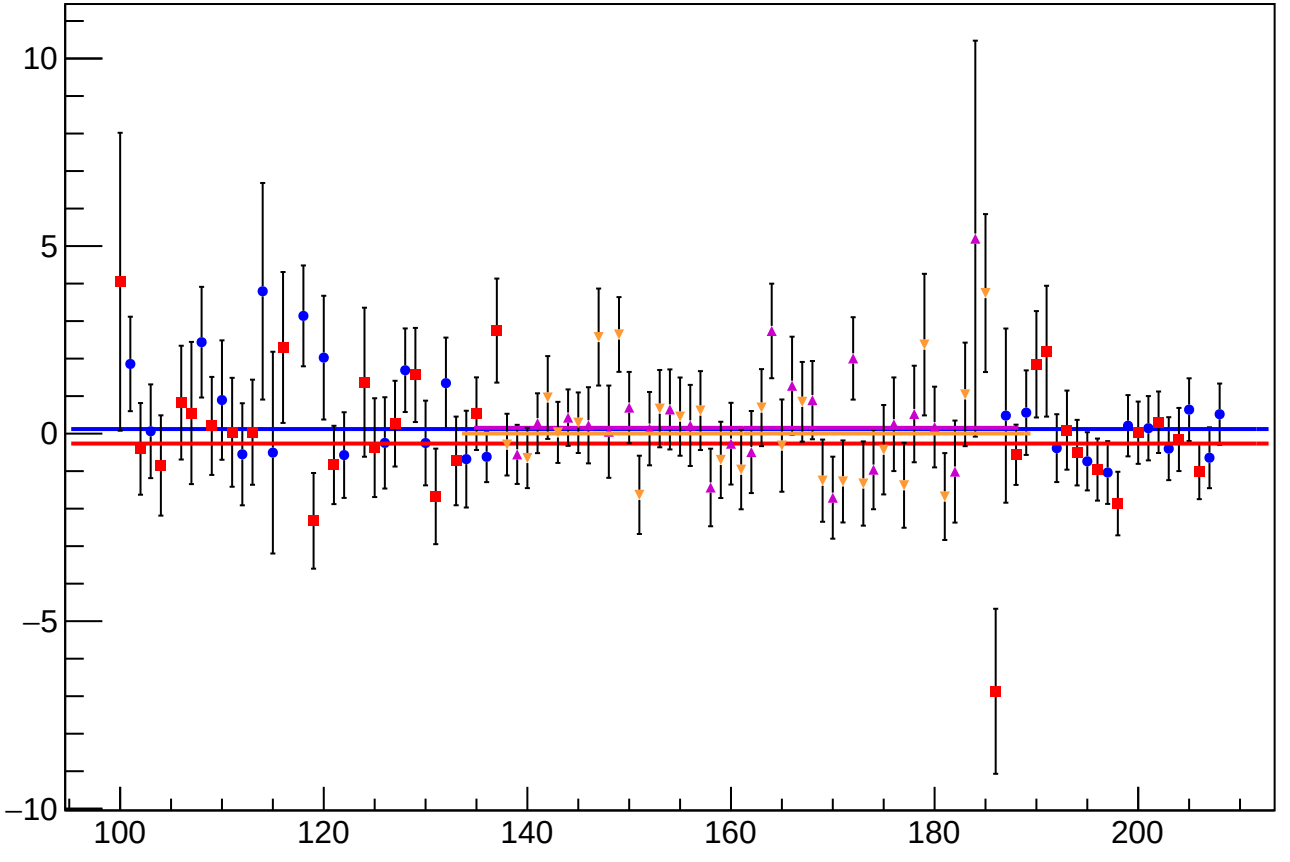
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 5967.793+/-0.727 χ^2/NDF: 2250802.6/51

All: 5950.326+/-0.515 χ^2/NDF: 5255232.0/10

- sign 5932.646+/-0.731 χ^2/NDF: 3003267.1/53

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.121+/-0.203 χ^2/NDF: 23.6/26

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.265+/-0.203 χ^2/NDF: 36.0/30

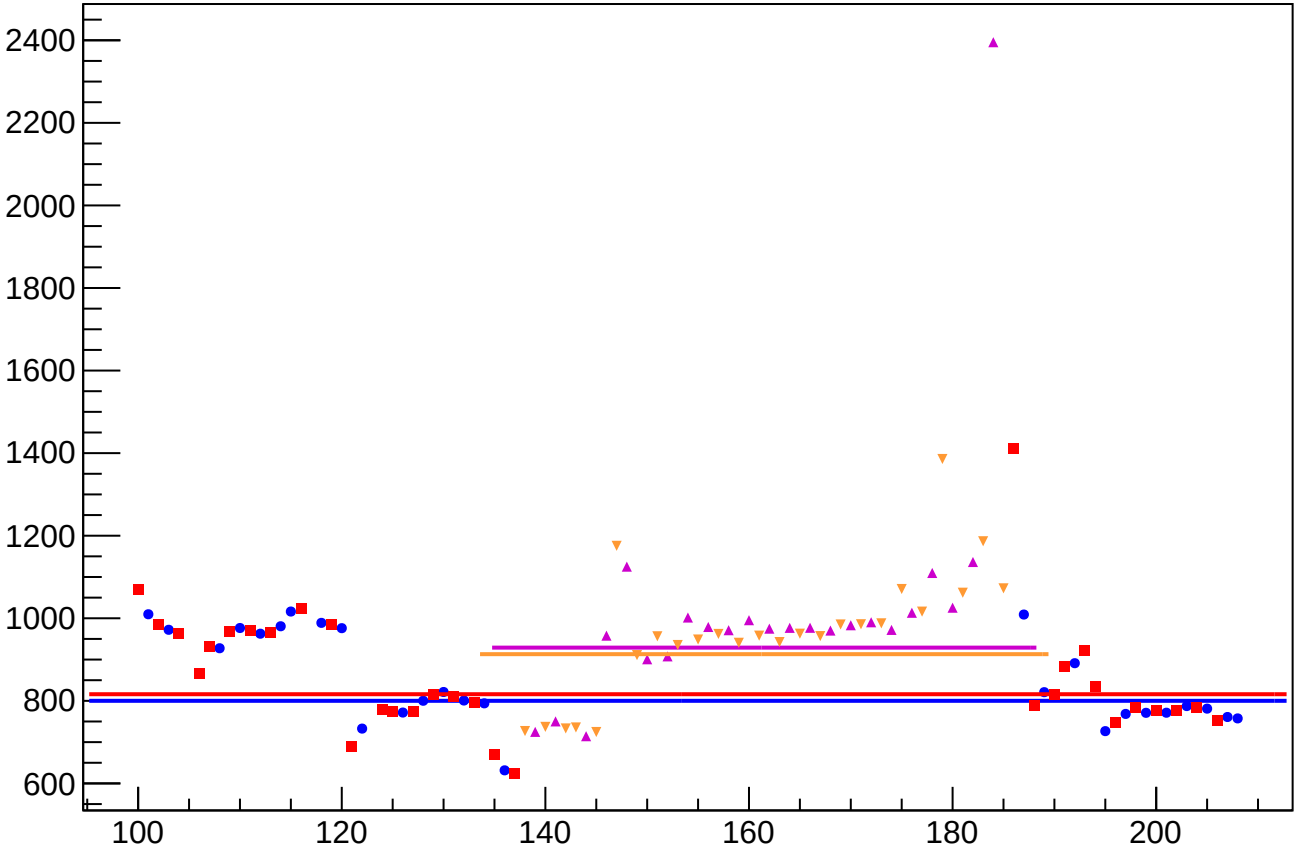
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.065+/-0.146 χ^2/NDF: 55.4/51

All: -0.003+/-0.105 χ^2/NDF: 112.2/105

- sign -0.073+/-0.149 χ^2/NDF: 56.4/53

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 800.084+/-0.143 χ^2/NDF: 452111.9/26

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 816.061+/-0.143 χ^2/NDF: 545187.7/30

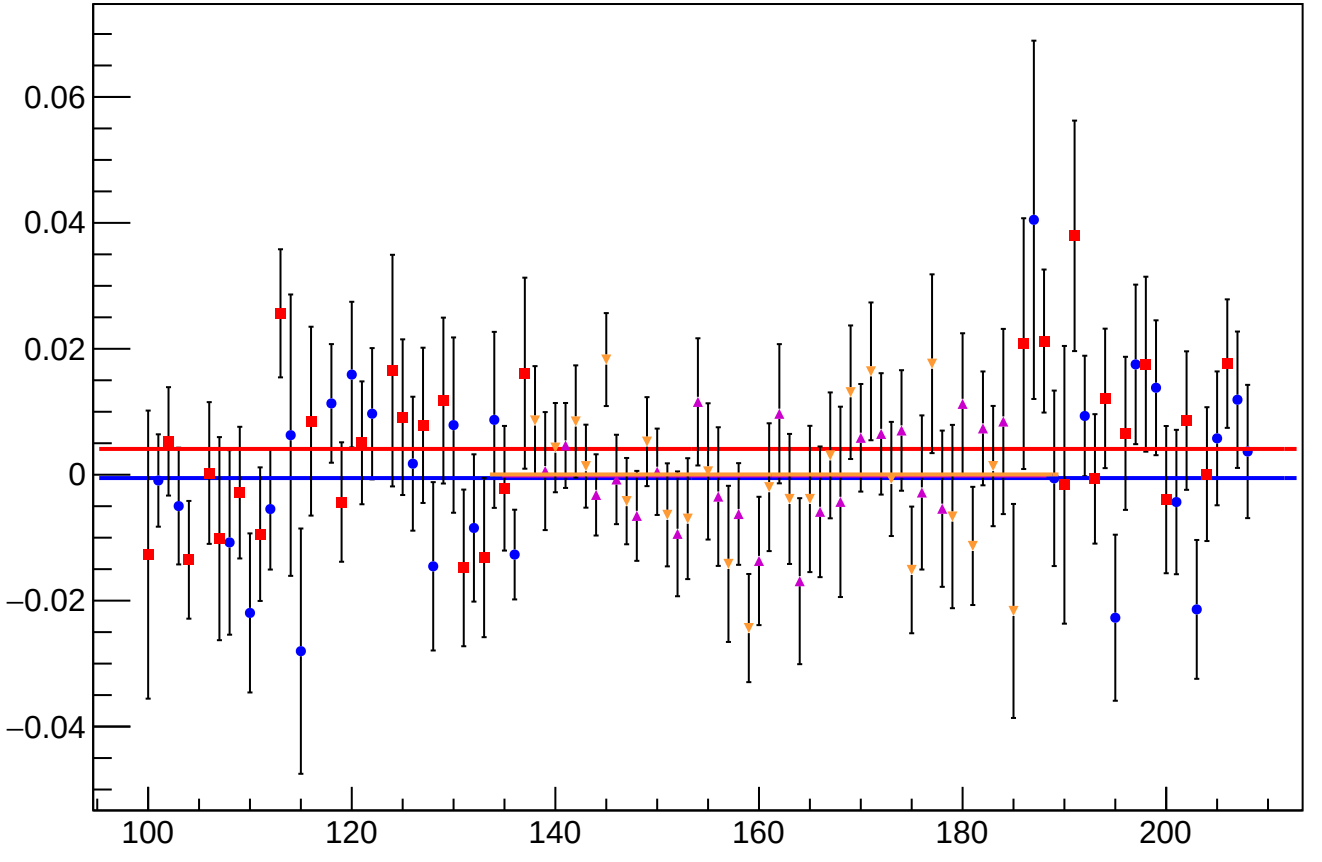
Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 854.035+/-0.104 χ^2/NDF: 1638353.1/51

All: 860.706+/-0.074 χ^2/NDF: 3243983.0/105

- sign 867.656+/-0.106 χ^2/NDF: 1597155.1/53

diff_dispE_bpm12X_mean vs Slug



Right In: -0.001+/-0.002 χ^2/NDF: 31.1/26

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: 0.004+/-0.002 χ^2/NDF: 29.4/30

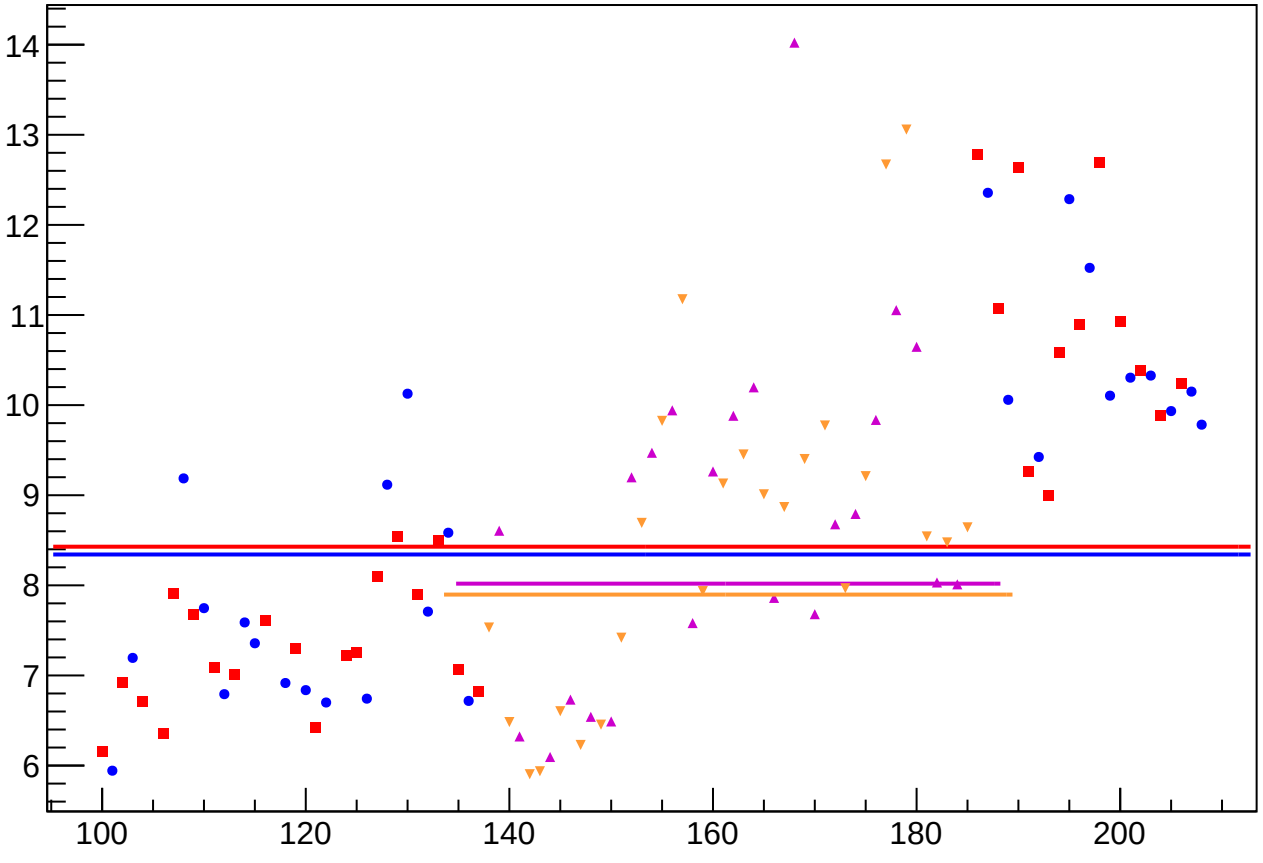
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.000+/-0.001 χ^2/NDF: 62.3/51

All: 0.001+/-0.001 χ^2/NDF: 107.7/105

- sign 0.002+/-0.001 χ^2/NDF: 44.4/53

diff_dispE_bpm12X_rms vs Slug



Right In: 8.342+/-0.002 χ^2/NDF: 1355393.8/26

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

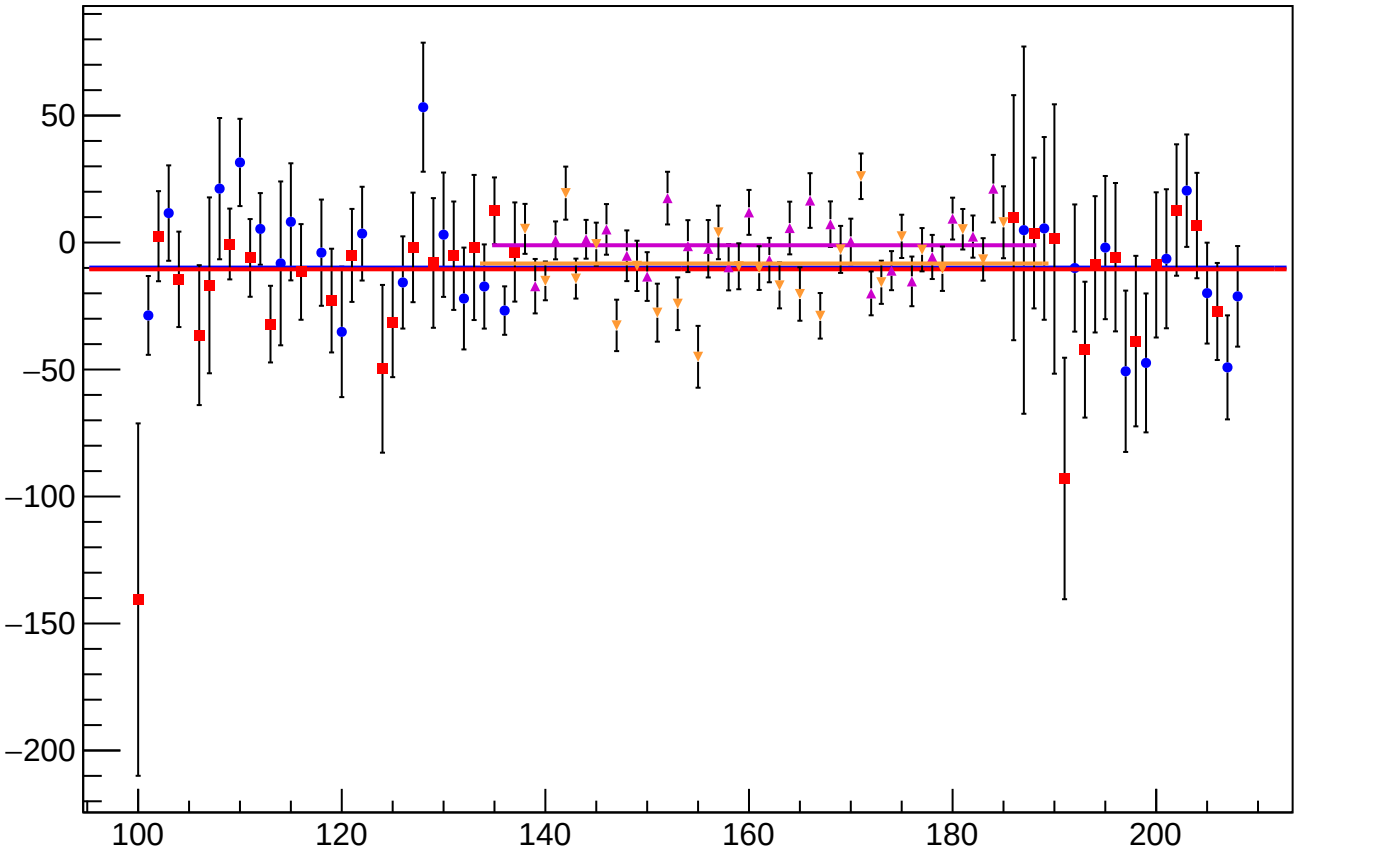
Right Out: 8.429+/-0.002 χ^2/NDF: 1397161.5/30

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 8.086+/-0.001 χ^2/NDF: 2995631.5/51

All: 8.143+/-0.001 χ^2/NDF: 5896240.3/105

- sign 8.202+/-0.001 χ^2/NDF: 2893838.6/53



Right In: -9.867+/-3.874 χ^2/NDF: 33.5/26

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

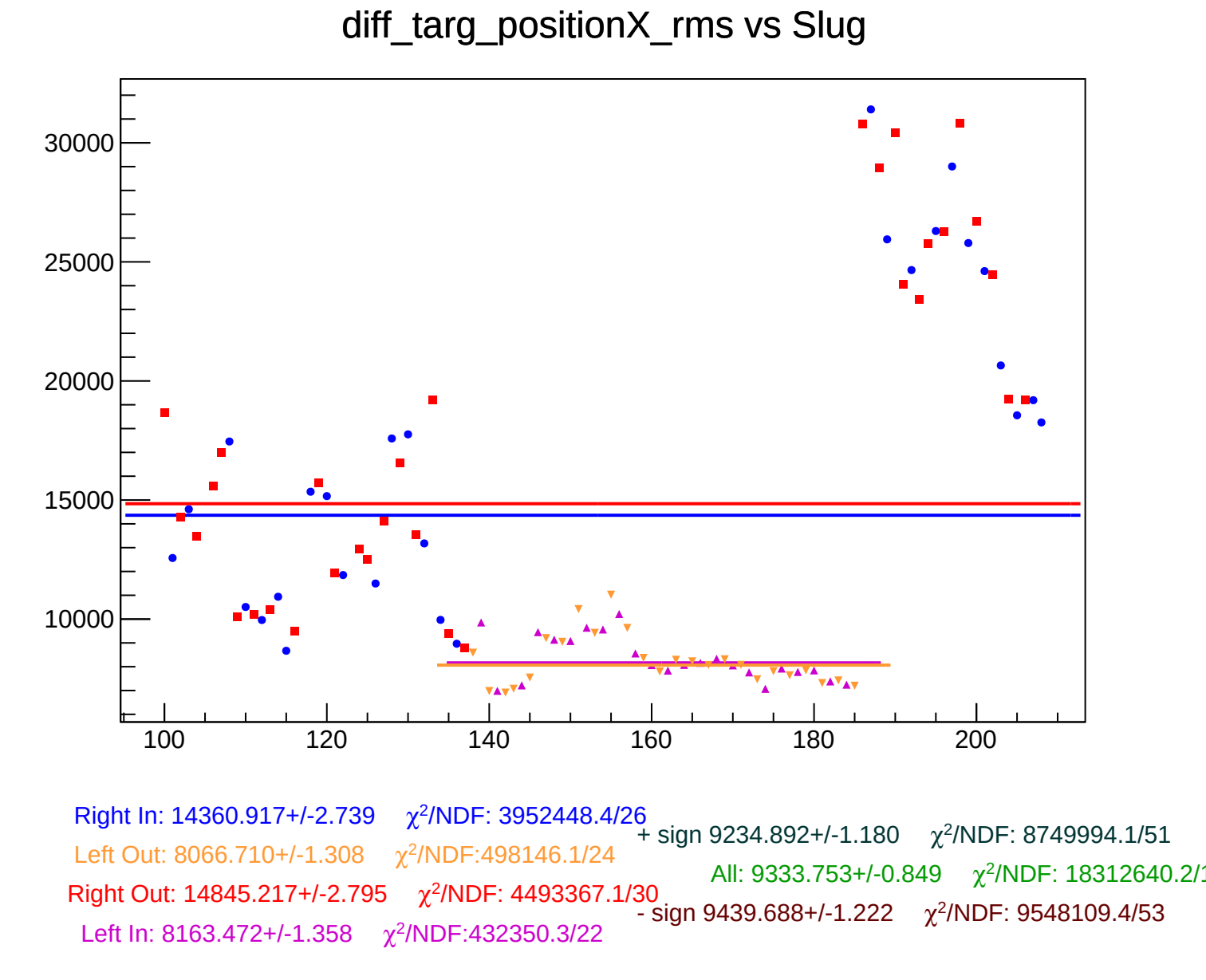
Right Out: -10.539+/-3.953 χ^2/NDF: 21.9/30

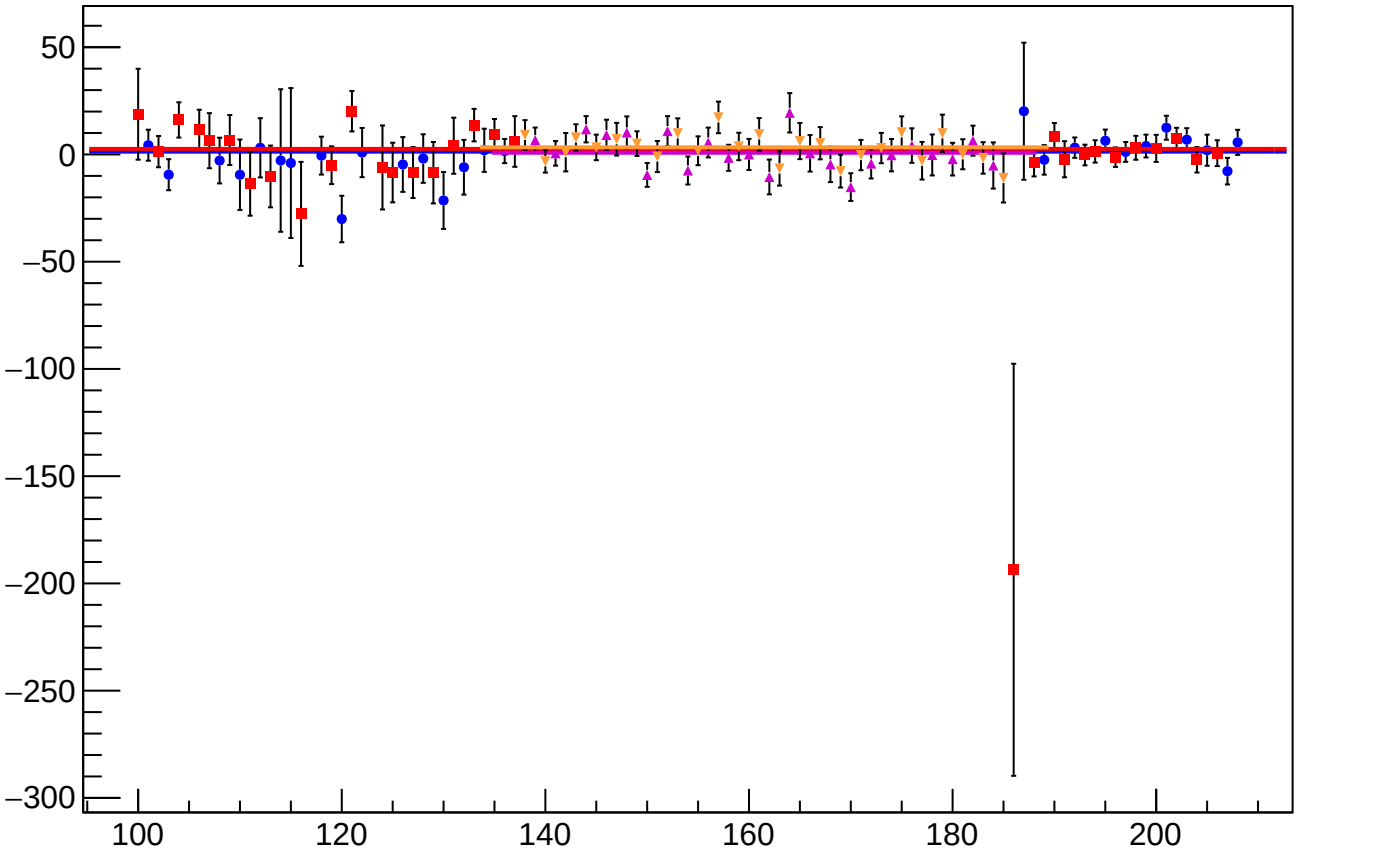
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.555+/-1.669 χ^2/NDF: 95.8/51

All: -5.816+/-1.200 χ^2/NDF: 156.7/105

- sign -2.880+/-1.728 χ^2/NDF: 55.4/53


diff_targ_positionX_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14360.917+/-2.739 χ²/NDF: 3952448.4/26
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 14845.217+/-2.795 χ²/NDF: 4493367.1/30
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
+ sign 9234.892+/-1.180 χ²/NDF: 8749994.1/51
All: 9333.753+/-0.849 χ²/NDF: 18312640.2/1
- sign 9439.688+/-1.222 χ²/NDF: 9548109.4/53



Right In: 1.324+/-1.444 χ^2/NDF: 24.8/26

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: 2.597+/-1.401 χ^2/NDF: 26.9/30

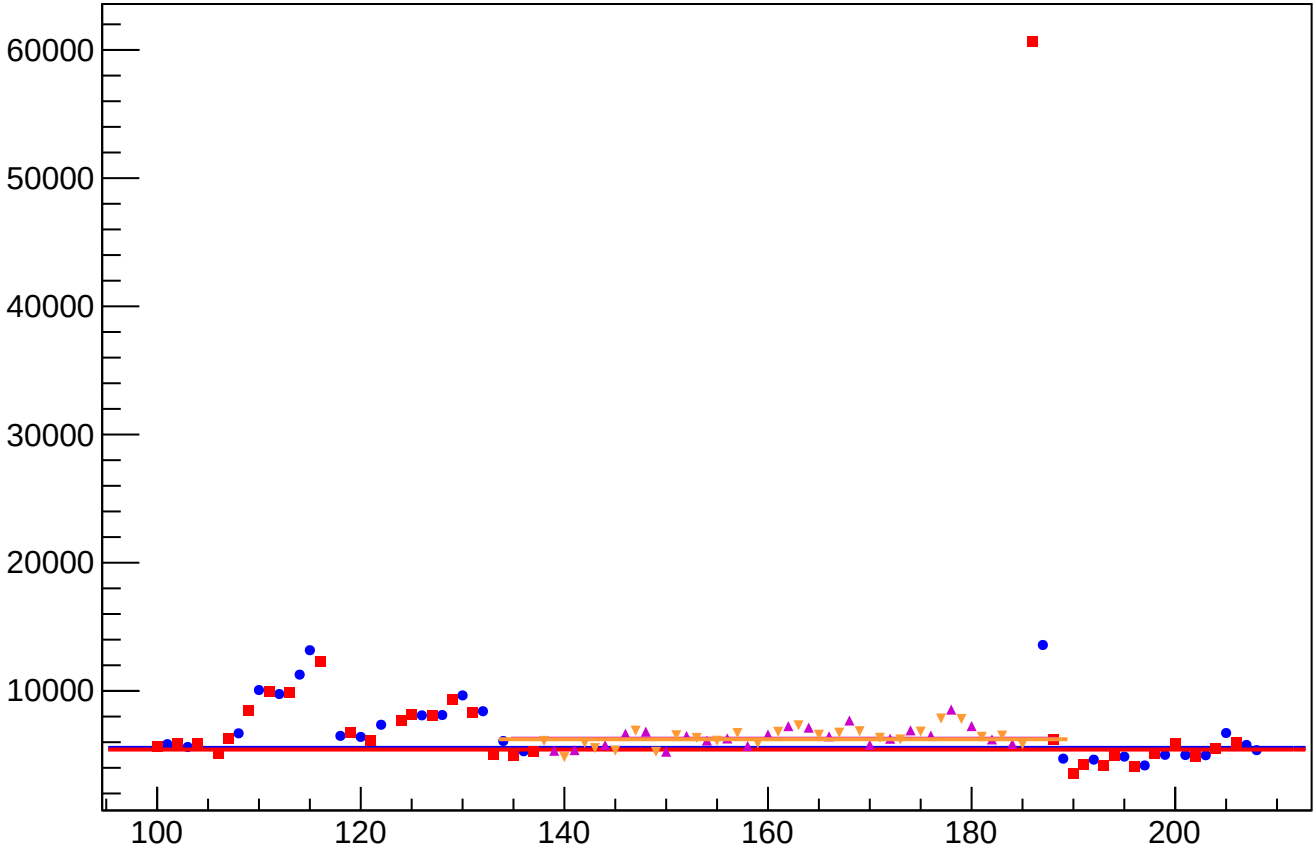
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 2.336+/-1.016 χ^2/NDF: 42.7/51

All: 2.041+/-0.719 χ^2/NDF: 100.0/105

- sign 1.745+/-1.017 χ^2/NDF: 57.1/53

diff_targ_positionY_rms vs Slug



Right In: 5556.163+/-1.021 χ^2/NDF: 1641726.9/26

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5425.758+/-0.990 χ^2/NDF: 2496250.2/30

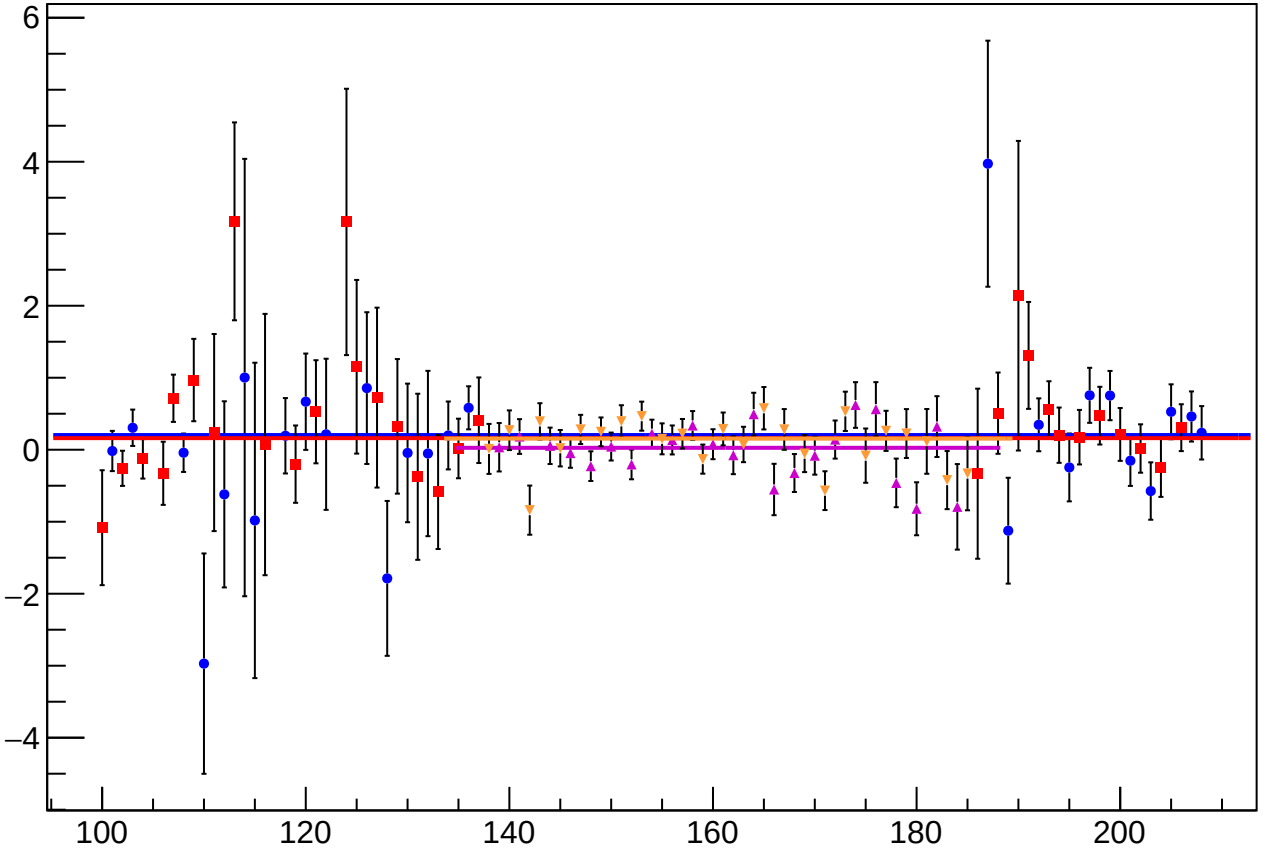
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 5896.649+/-0.719 χ^2/NDF: 2394751.8/51

All: 5861.048+/-0.508 χ^2/NDF: 5744976.1/10

- sign 5825.401+/-0.719 χ^2/NDF: 3345311.4/53

diff_targ_thetaX_mean vs Slug



Right In: 0.204+/-0.086 χ^2/NDF: 32.7/26

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.161+/-0.086 χ^2/NDF: 29.9/30

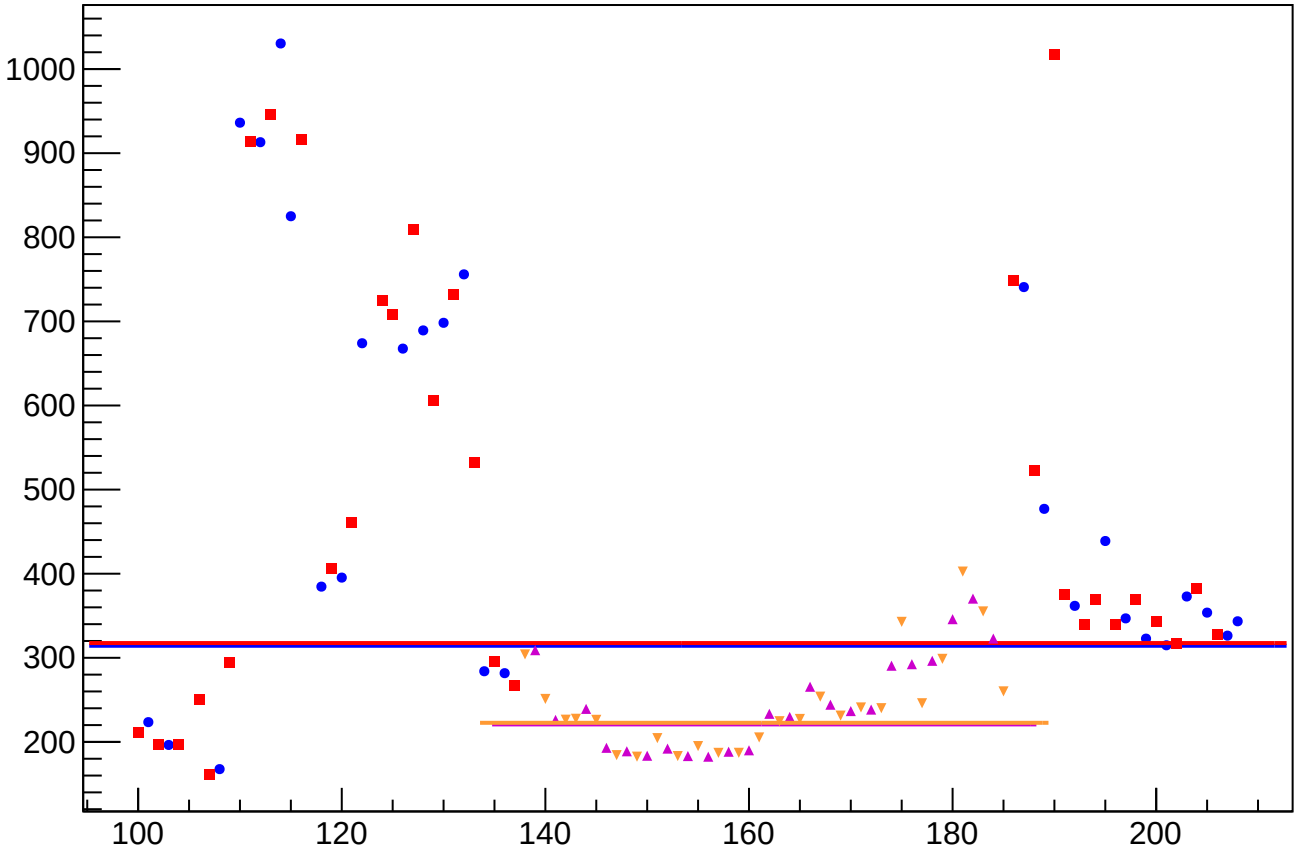
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.169+/-0.044 χ^2/NDF: 65.2/51

All: 0.117+/-0.032 χ^2/NDF: 129.4/105

- sign 0.063+/-0.045 χ^2/NDF: 61.4/53

diff_targ_thetaX_rms vs Slug



Right In: 314.330+/-0.061 χ^2/NDF: 4135792.2/26

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 317.549+/-0.061 χ^2/NDF: 4700062.7/30

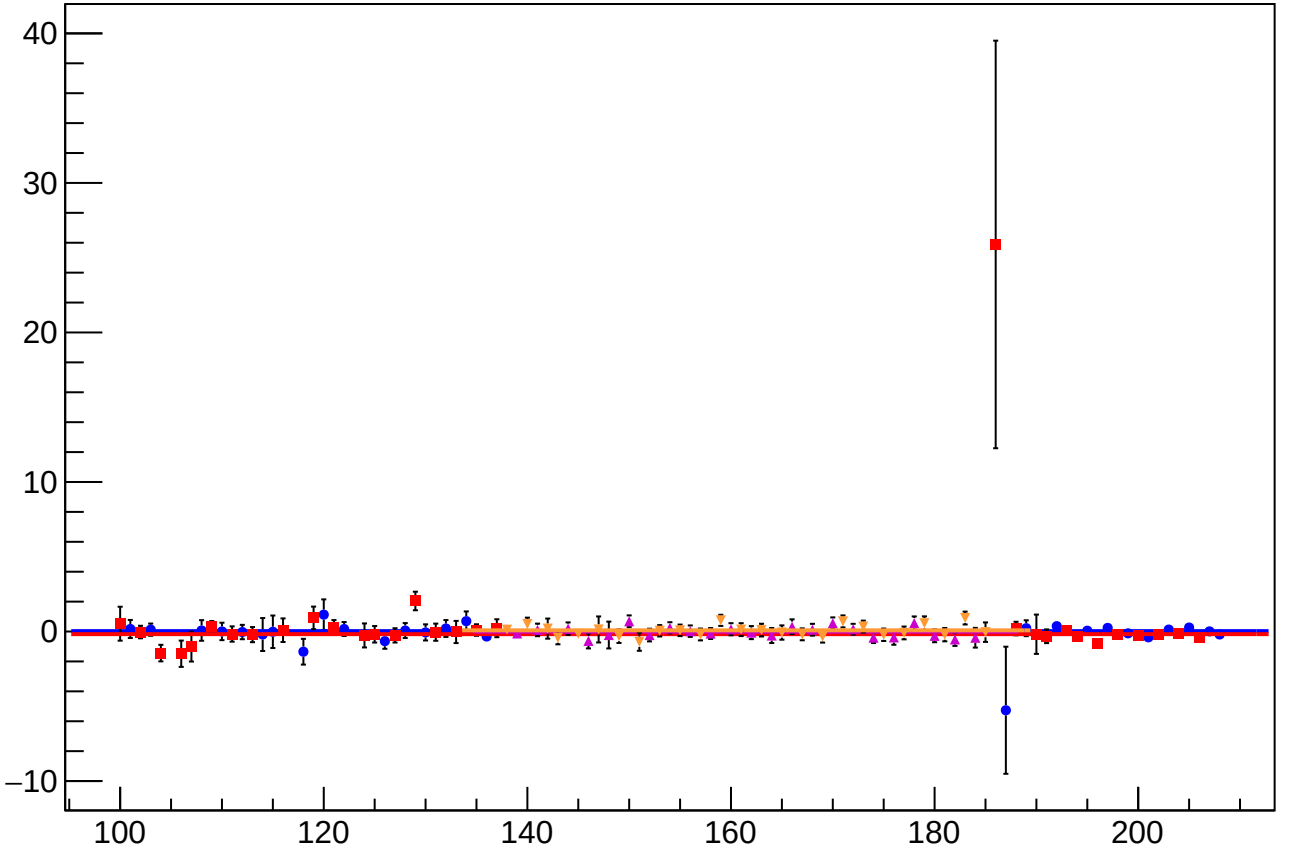
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 247.329+/-0.031 χ^2/NDF: 7259790.5/51

All: 247.278+/-0.022 χ^2/NDF: 15253586.9/10

- sign 247.225+/-0.032 χ^2/NDF: 7993791.0/53

diff_targ_thetaY_mean vs Slug



Right In: 0.026+/-0.070 χ^2/NDF: 16.9/26

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.175+/-0.073 χ^2/NDF: 39.1/30

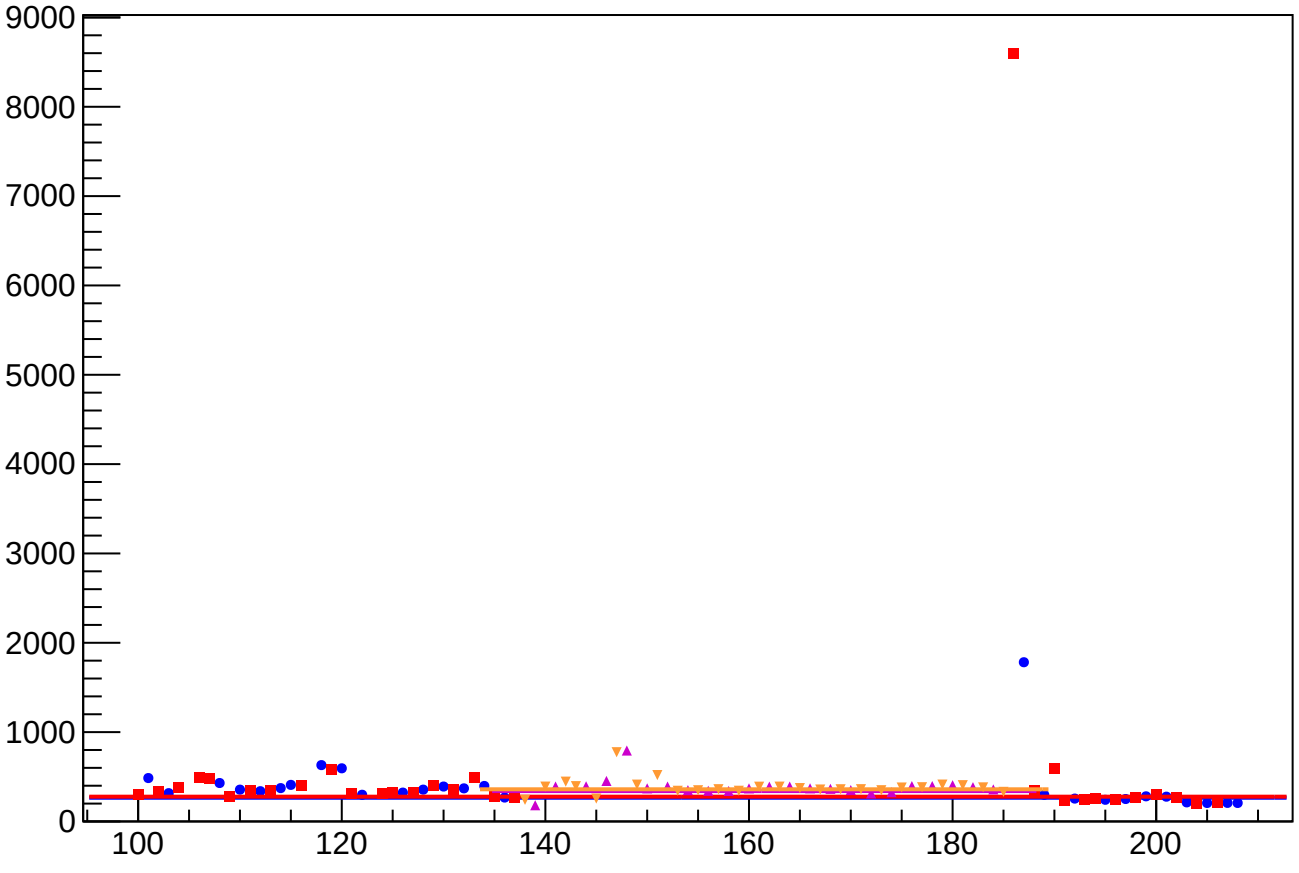
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.048+/-0.054 χ^2/NDF: 36.1/51

All: -0.026+/-0.038 χ^2/NDF: 96.5/105

- sign -0.103+/-0.055 χ^2/NDF: 56.6/53

diff_targ_thetaY_rms vs Slug



Right In: 265.517+/-0.050 χ^2/NDF: 2299368.5/26

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

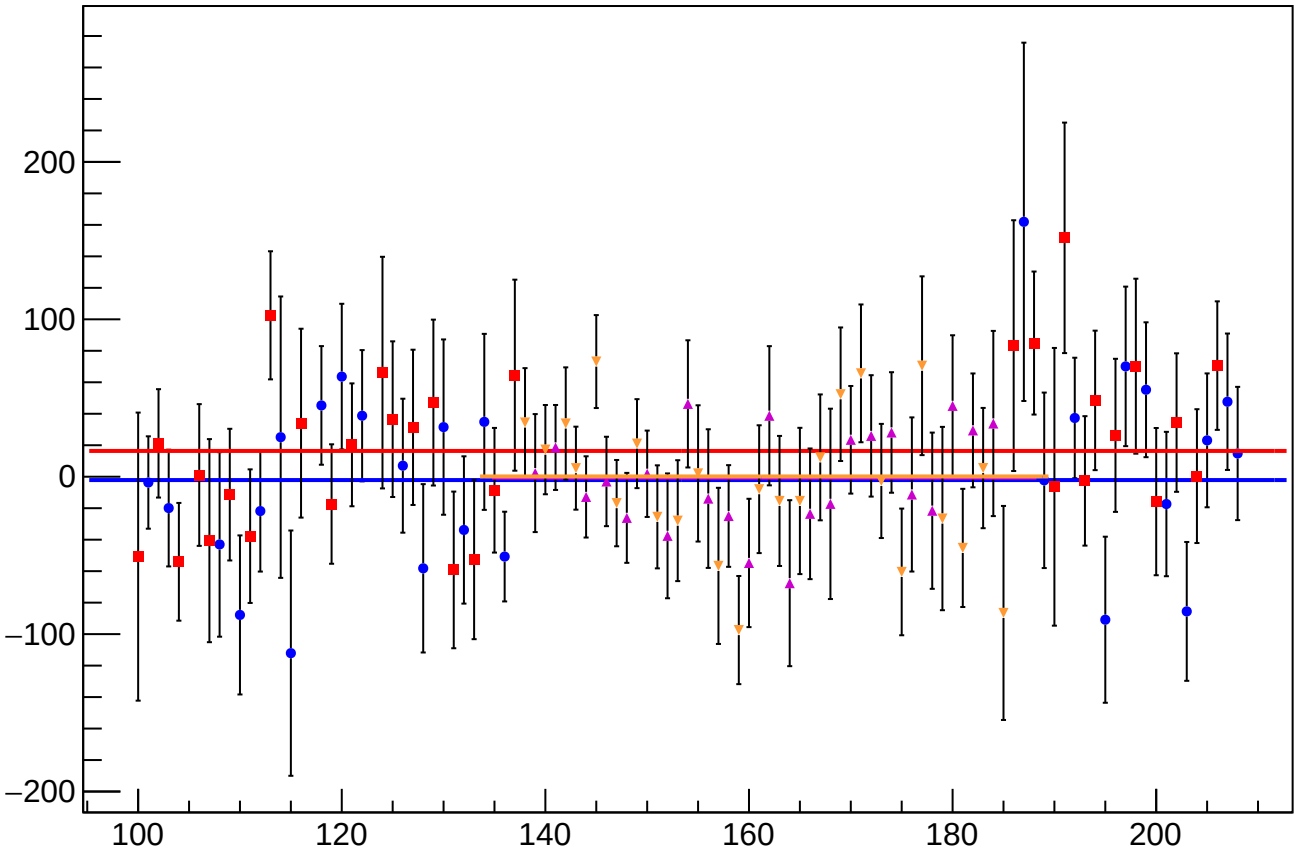
Right Out: 277.313+/-0.051 χ^2/NDF: 2534529.5/30

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 304.156+/-0.038 χ^2/NDF: 5124613.1/51

All: 304.393+/-0.027 χ^2/NDF: 10531322.1/10

- sign 304.636+/-0.039 χ^2/NDF: 5406630.8/53



Right In: -2.128+/-8.599 χ^2/NDF: 31.1/26

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: 16.378+/-8.522 χ^2/NDF: 29.4/30

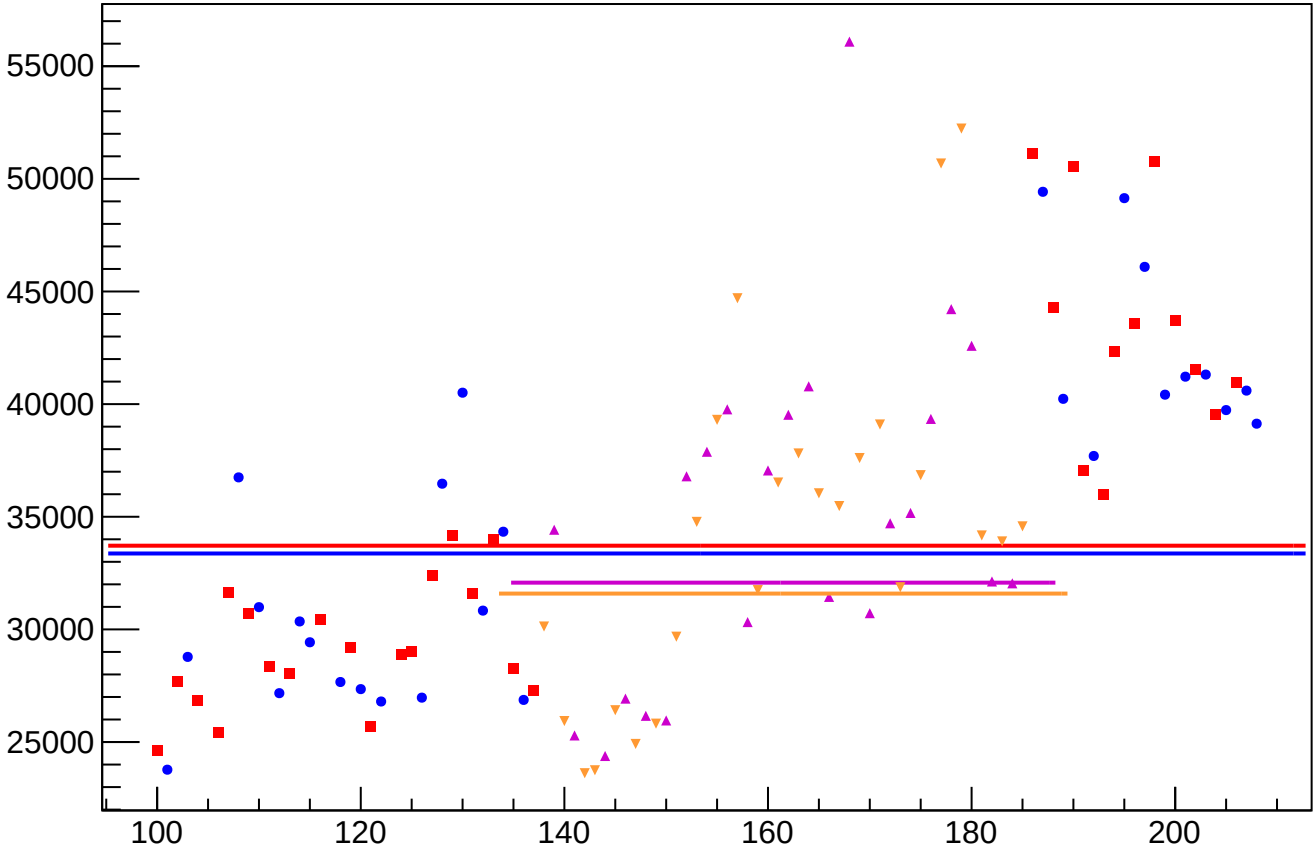
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -0.805+/-5.598 χ^2/NDF: 62.3/51

All: 3.029+/-3.994 χ^2/NDF: 107.7/105

- sign 7.003+/-5.700 χ^2/NDF: 44.4/53

diff_bpmE_rms vs Slug



Right In: 33369.688+/-6.080 χ^2/NDF: 1355393.8/26

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 33715.572+/-6.026 χ^2/NDF: 1397161.5/30

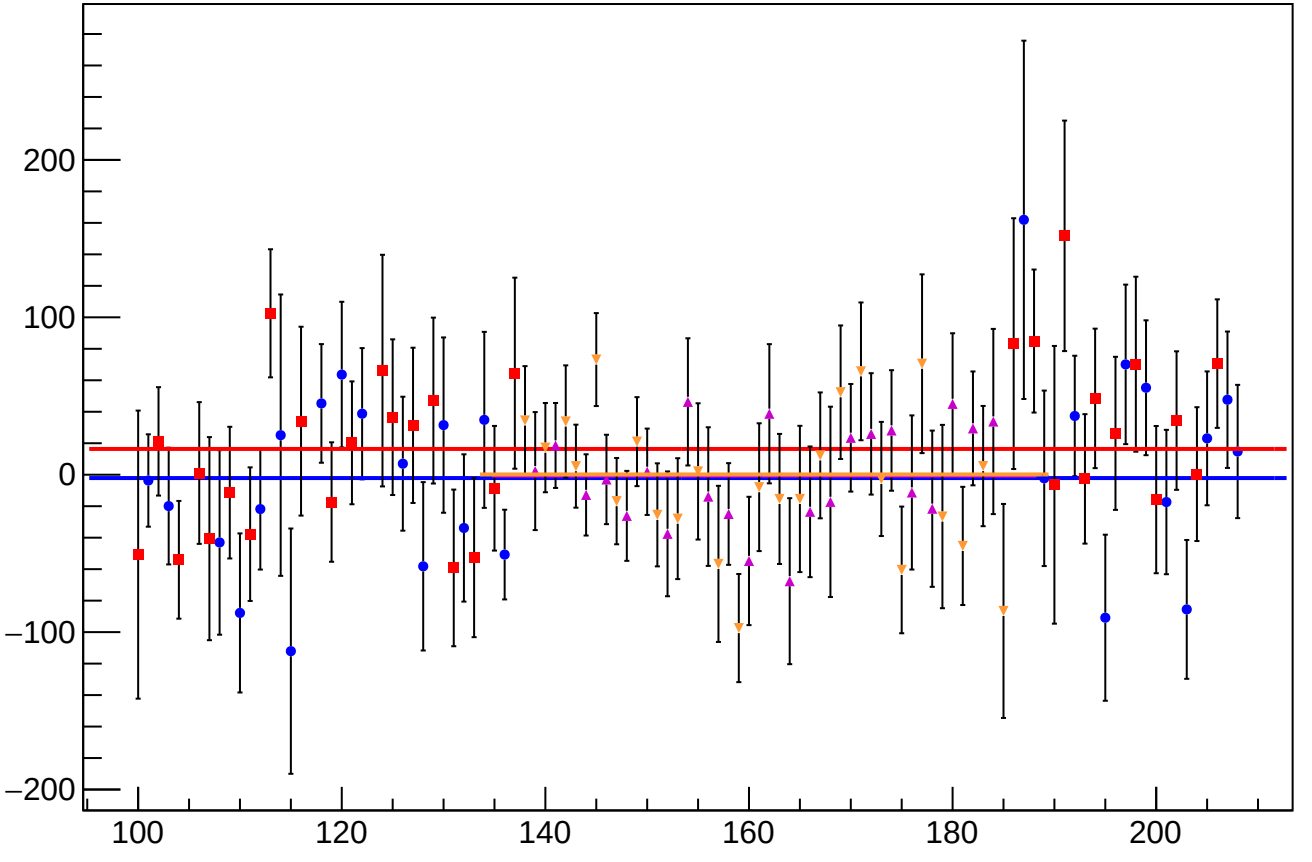
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 32344.150+/-3.958 χ^2/NDF: 2995631.5/51

All: 32572.375+/-2.824 χ^2/NDF: 5896240.3/1

- sign 32808.959+/-4.030 χ^2/NDF: 2893838.6/53

diff_bpmEX_mean vs Slug



Right In: -2.128+/-8.599 χ^2/NDF: 31.1/26

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

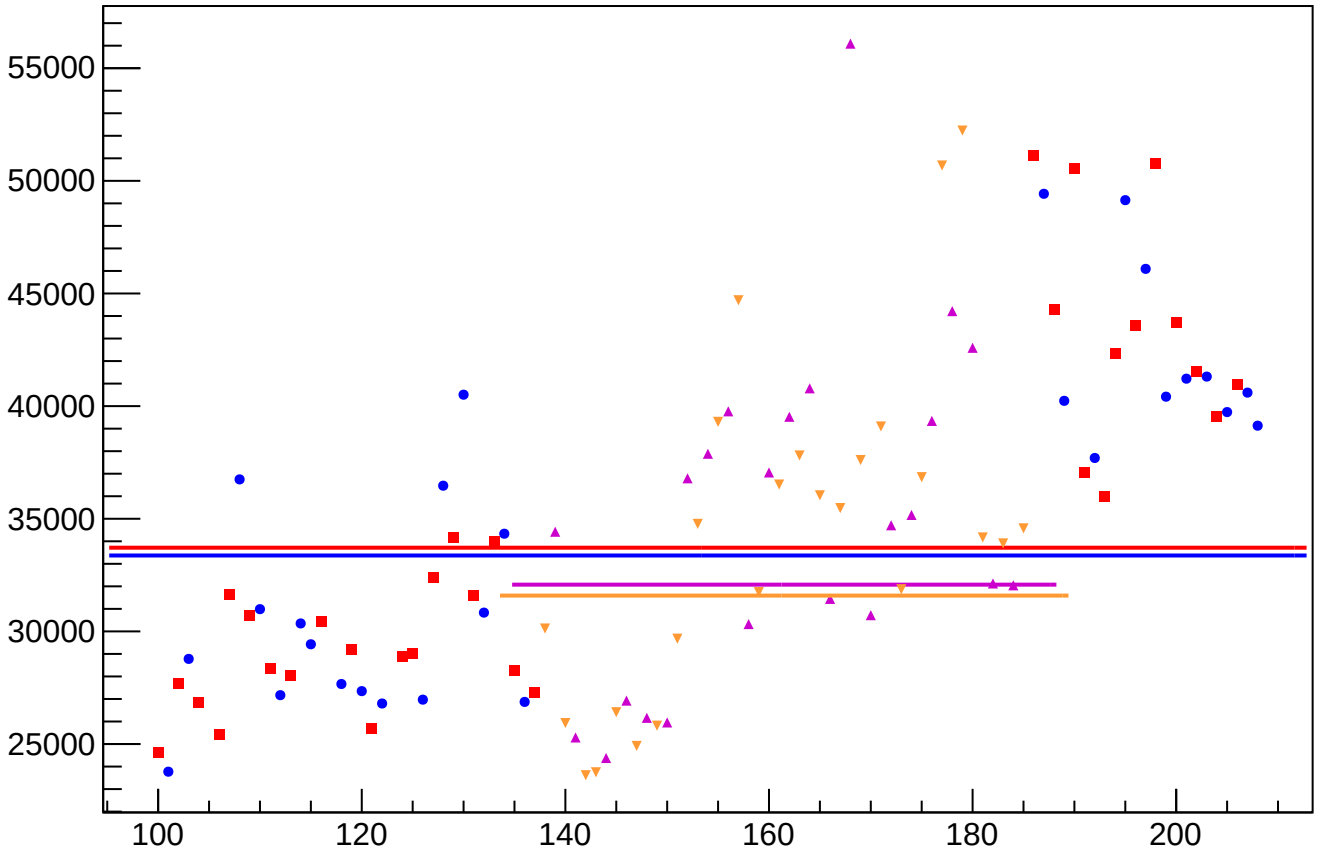
Right Out: 16.378+/-8.522 χ^2/NDF: 29.4/30

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -0.805+/-5.598 χ^2/NDF: 62.3/51

All: 3.029+/-3.994 χ^2/NDF: 107.7/105

- sign 7.003+/-5.700 χ^2/NDF: 44.4/53



Right In: 33369.688+/-6.080 χ^2/NDF: 1355393.8/26

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 33715.572+/-6.026 χ^2/NDF: 1397161.5/30

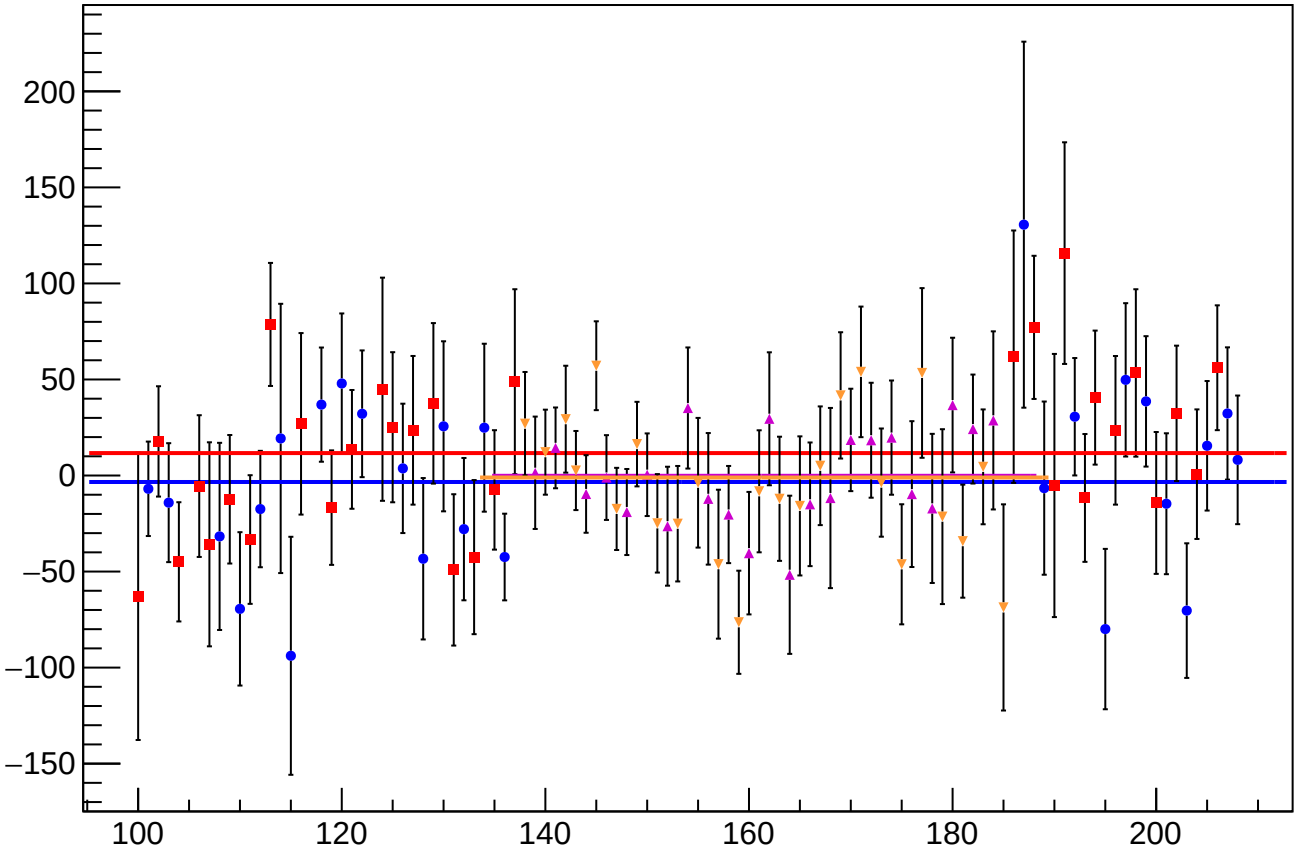
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 32344.150+/-3.958 χ^2/NDF: 2995631.5/51

All: 32572.375+/-2.824 χ^2/NDF: 5896240.3/

- sign 32808.959+/-4.030 χ^2/NDF: 2893838.6/53

diff_bpmE_11X12X_mean vs Slug



Right In: -3.371+/-6.869 χ^2/NDF: 31.0/26

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

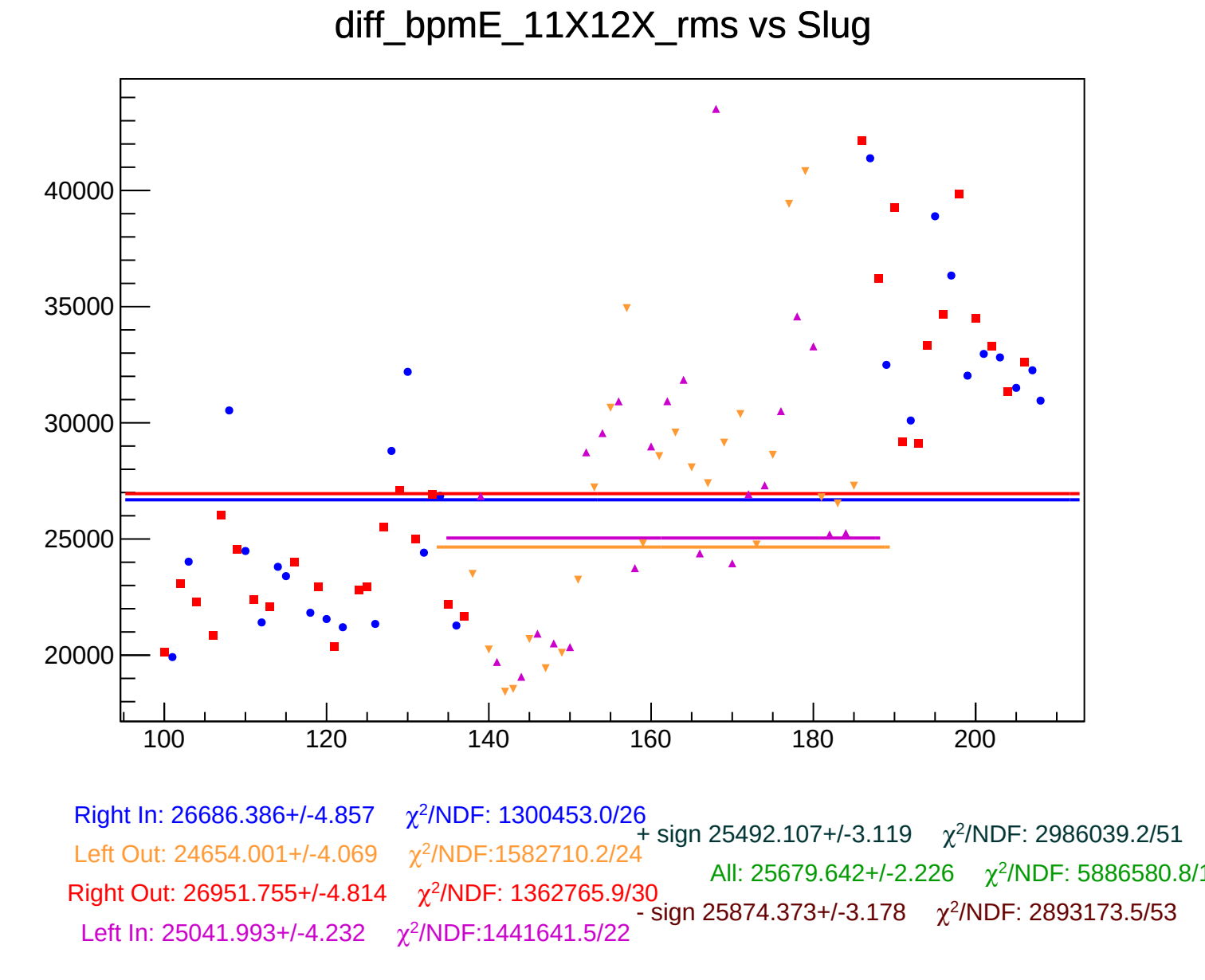
Right Out: 11.681+/-6.809 χ^2/NDF: 31.2/30

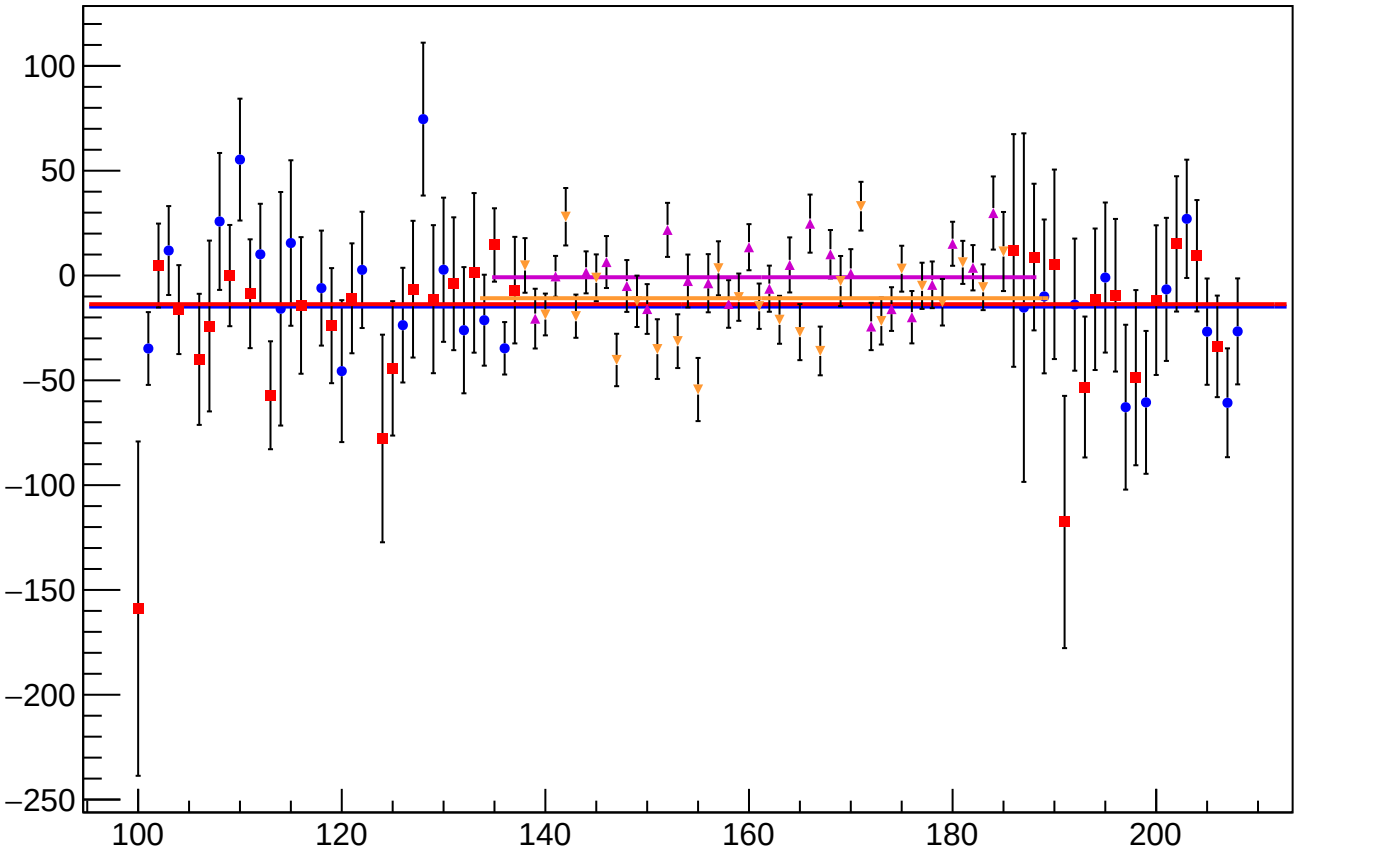
Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

\+ sign -2.002+/-4.411 χ^2/NDF: 63.4/51

All: 1.437+/-3.148 χ^2/NDF: 109.7/105

\- sign 5.009+/-4.495 χ^2/NDF: 45.0/53


diff_bpmE_11X12X_rms vs Slug
40000
35000
30000
25000
20000
100
120
140
160
180
200
Right In: 26686.386+/-4.857 χ²/NDF: 1300453.0/26
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 26951.755+/-4.814 χ²/NDF: 1362765.9/30
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
+ sign 25492.107+/-3.119 χ²/NDF: 2986039.2/51
All: 25679.642+/-2.226 χ²/NDF: 5886580.8/1
- sign 25874.373+/-3.178 χ²/NDF: 2893173.5/53



Right In: -14.817+/-5.178 χ^2/NDF: 31.7/26

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -13.677+/-5.390 χ^2/NDF: 22.0/30

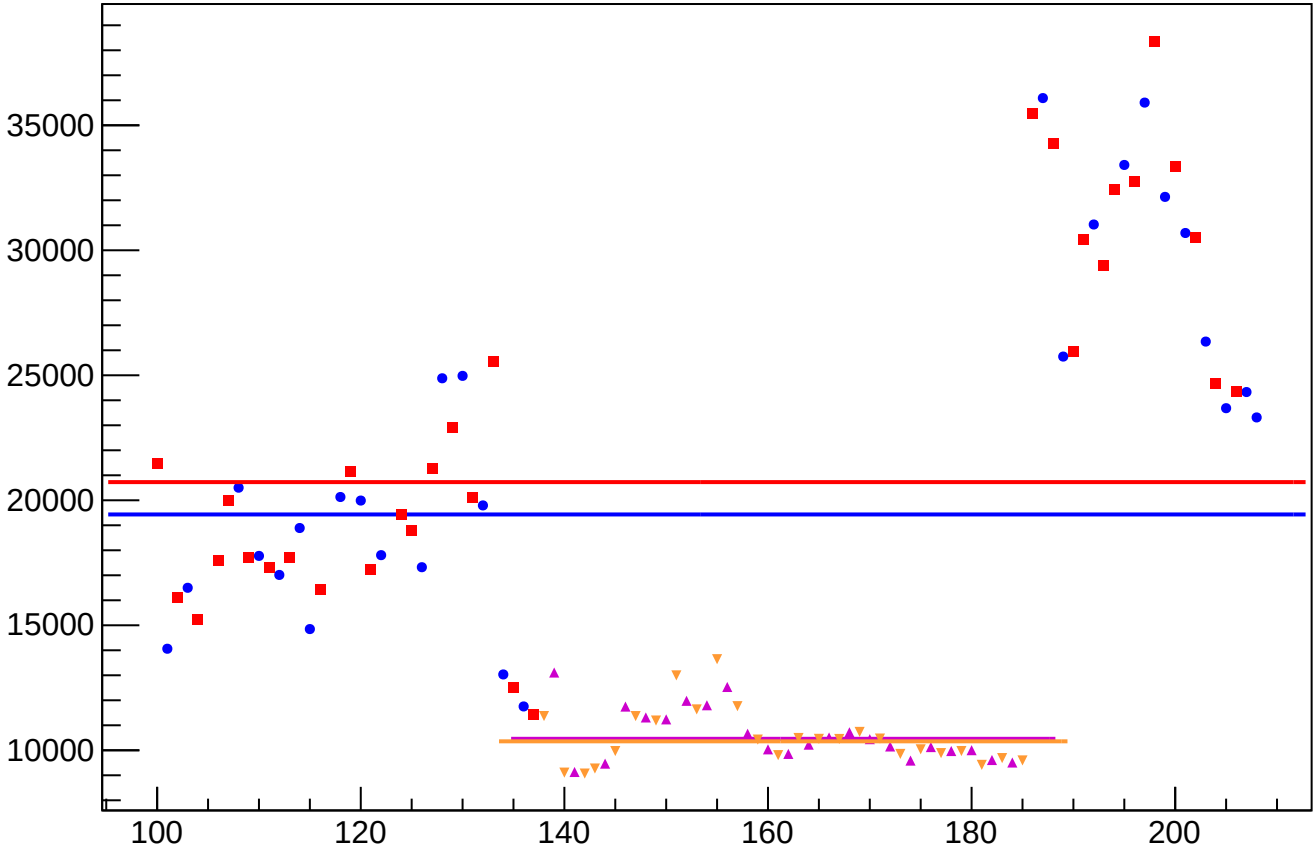
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -11.514+/-2.155 χ^2/NDF: 93.5/51

All: -7.431+/-1.552 χ^2/NDF: 157.0/105

- sign -3.037+/-2.236 χ^2/NDF: 56.1/53

diff_bpm4aesumX_rms vs Slug



Right In: 19433.345+/-3.661 χ^2/NDF: 3187033.6/26

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 20727.132+/-3.812 χ^2/NDF: 3173726.2/30

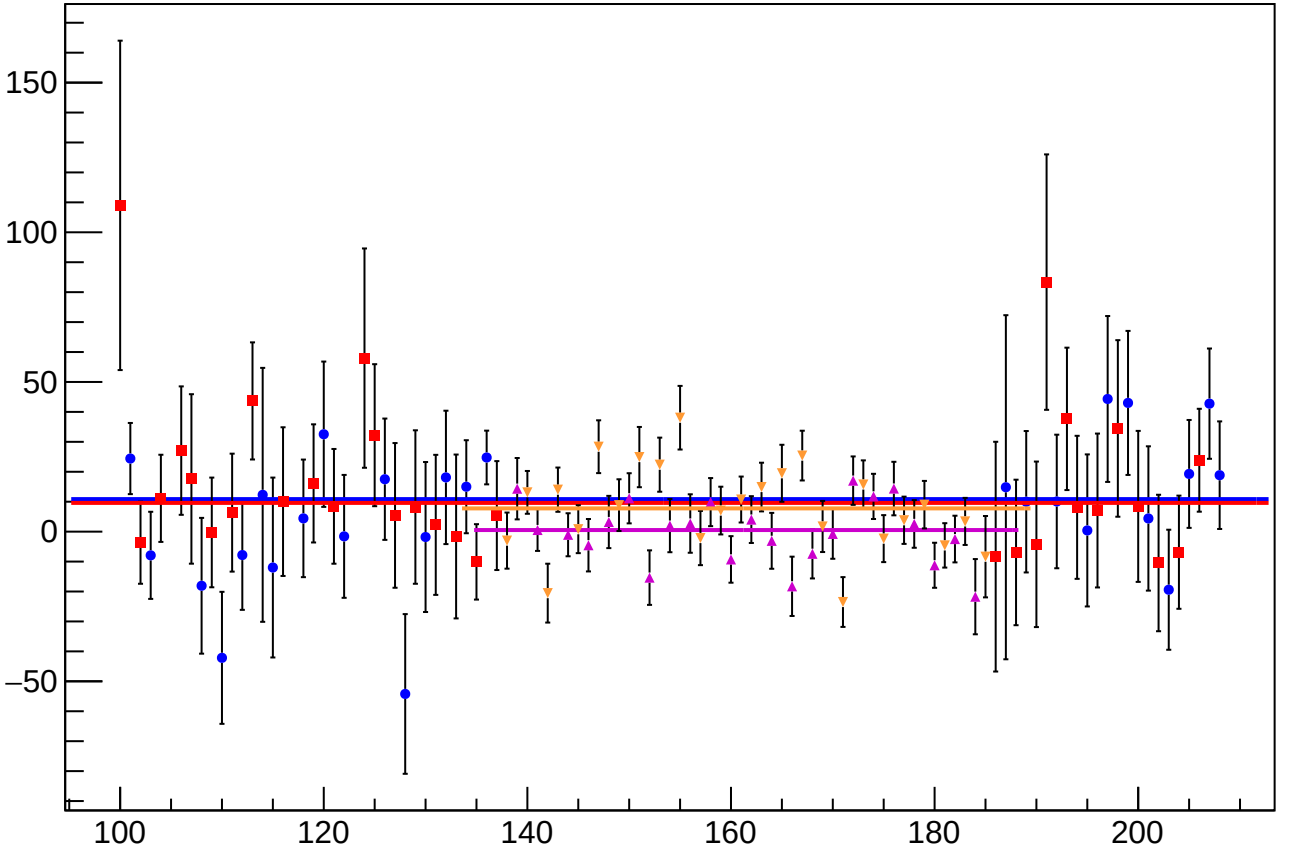
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11930.607+/-1.524 χ^2/NDF: 8629033.6/51

All: 12072.614+/-1.097 χ^2/NDF: 18144085.7

- sign 12225.424+/-1.581 χ^2/NDF: 9497026.3/53

diff_bpm4aediffX_mean vs Slug



Right In: 10.870+/-3.698 χ^2/NDF: 31.3/26

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 9.602+/-3.857 χ^2/NDF: 22.1/30

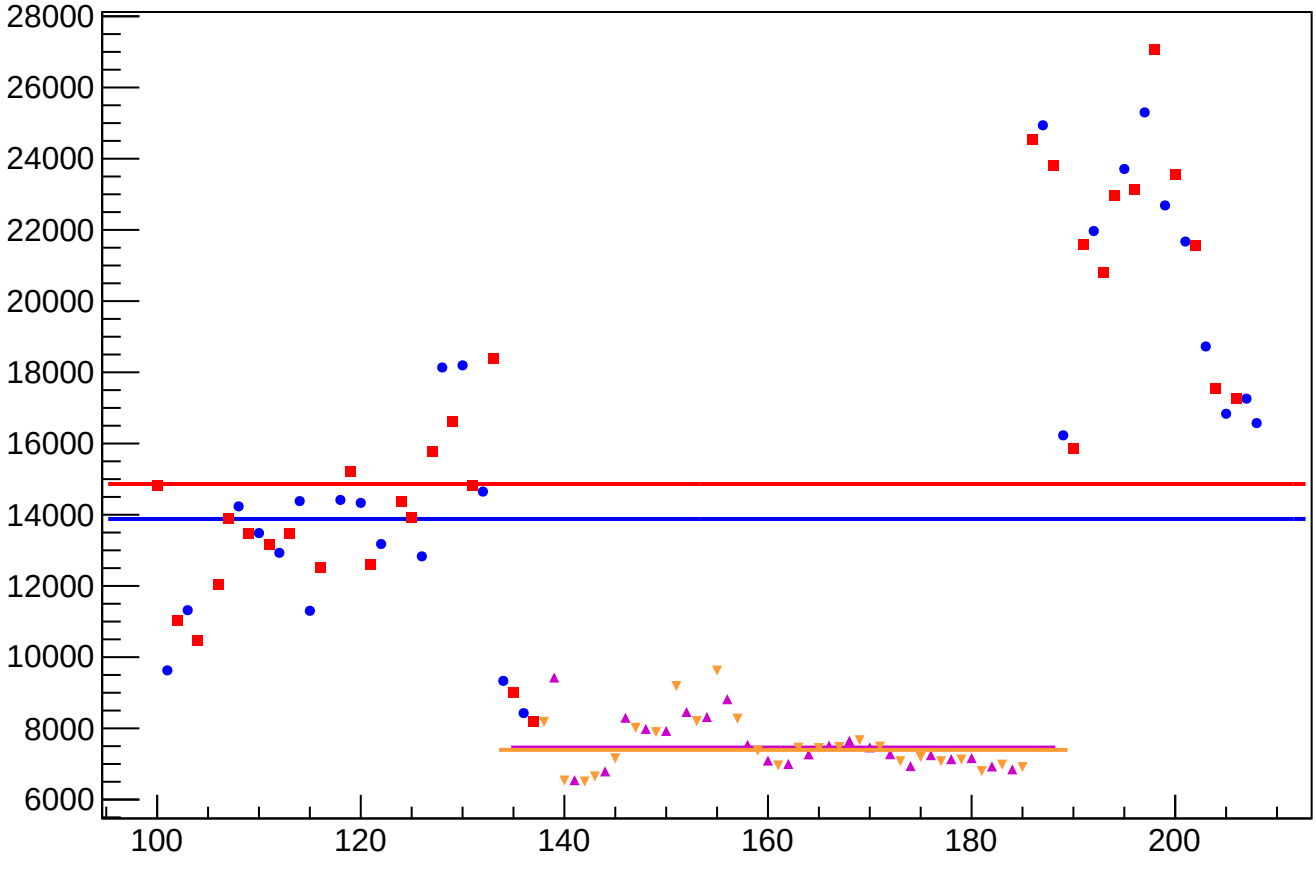
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 8.301+/-1.538 χ^2/NDF: 92.9/51

All: 5.305+/-1.107 χ^2/NDF: 156.9/105

- sign 2.083+/-1.595 χ^2/NDF: 56.2/53

diff_bpm4aediffX_rms vs Slug



Right In: 13881.192+/-2.615 χ^2/NDF: 3127756.0/26

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14862.632+/-2.728 χ^2/NDF: 3055509.7/30

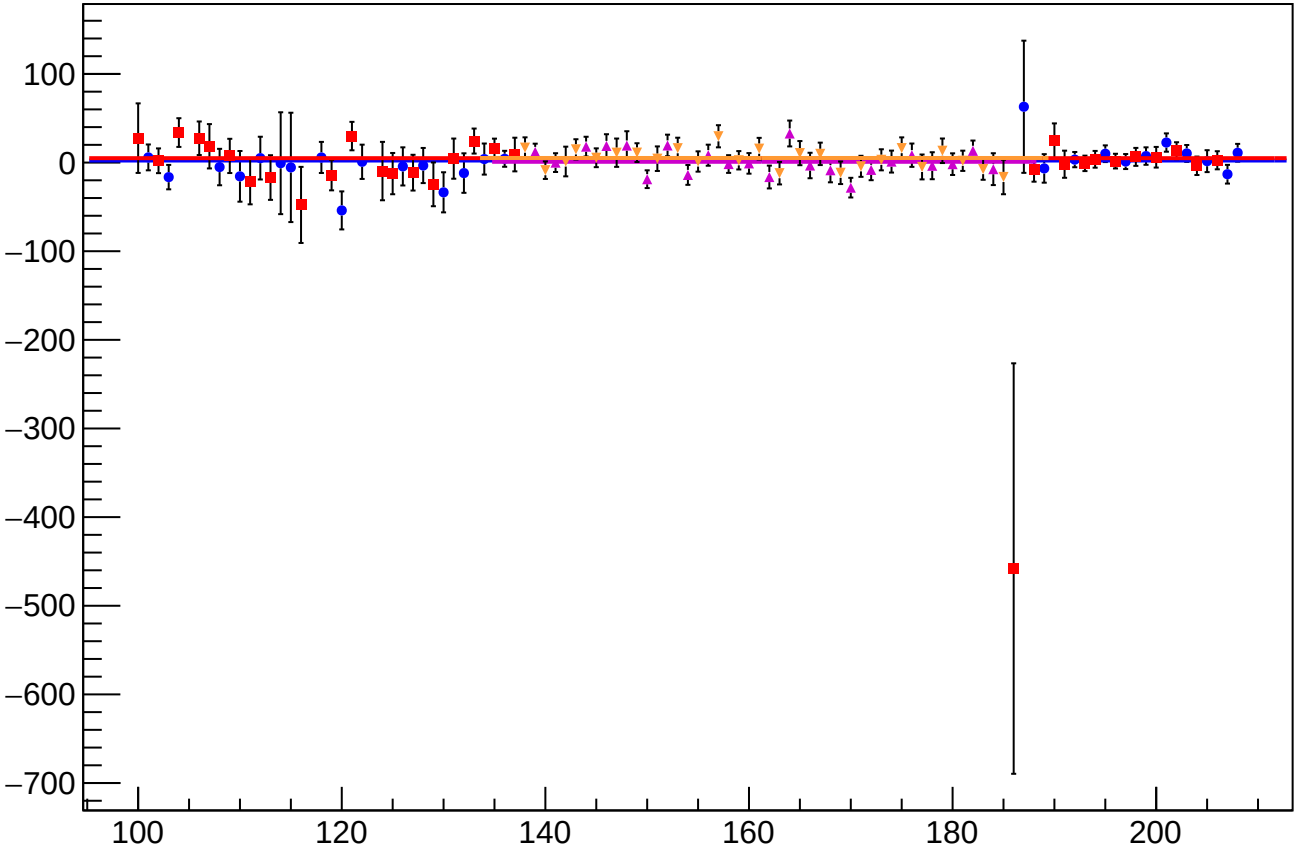
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8517.904+/-1.088 χ^2/NDF: 8540052.9/51

All: 8618.433+/-0.783 χ^2/NDF: 18001948.1/1

- sign 8726.547+/-1.128 χ^2/NDF: 9444165.0/53

diff_bpm4aesumY_mean vs Slug



Right In: 2.331+/-2.607 χ^2/NDF: 21.9/26

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 4.964+/-2.582 χ^2/NDF: 26.1/30

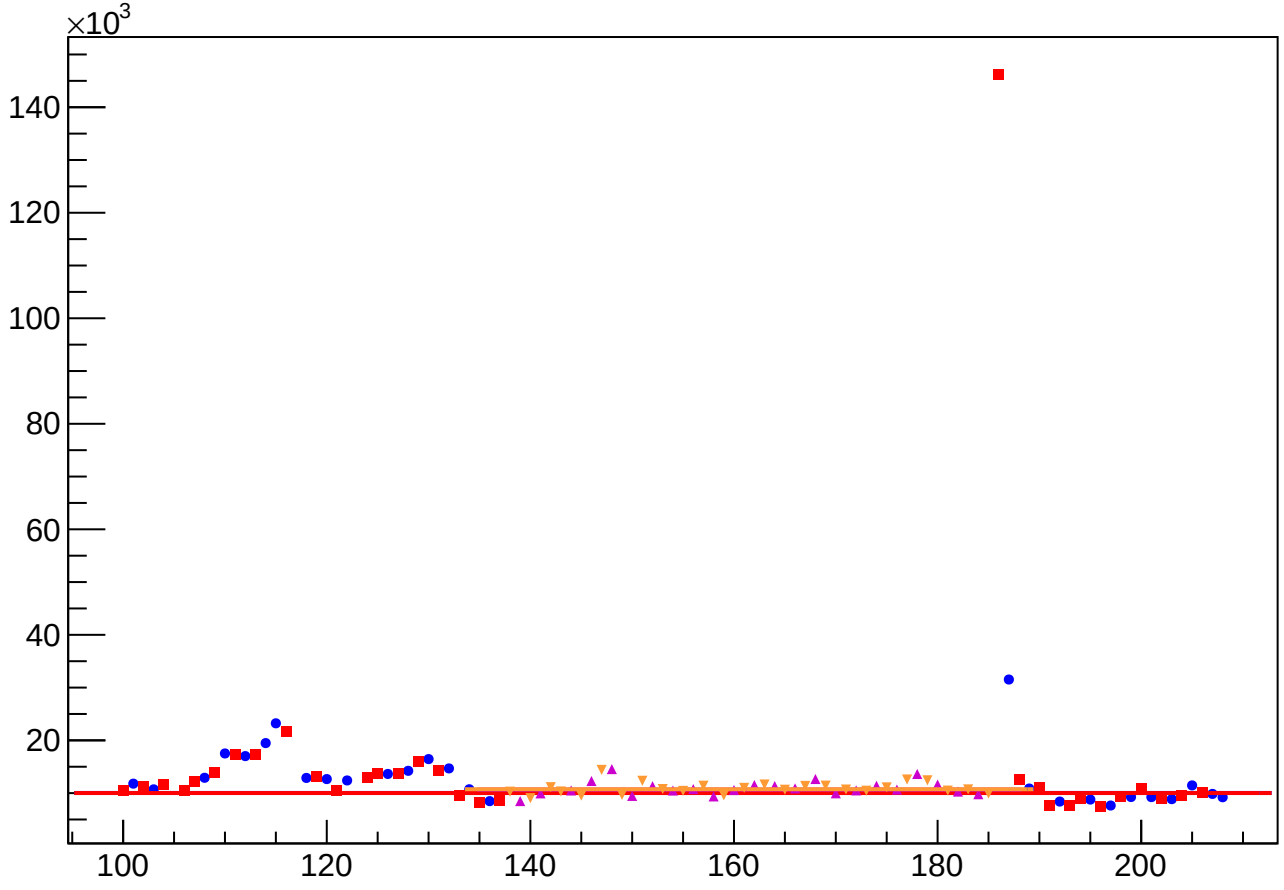
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 3.837+/-1.789 χ^2/NDF: 40.9/51

All: 3.361+/-1.270 χ^2/NDF: 100.3/105

- sign 2.877+/-1.803 χ^2/NDF: 59.2/53

diff_bpm4aesumY_rms vs Slug



Right In: 10030.942+/-1.843 χ^2/NDF: 1624627.1/26

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10012.048+/-1.826 χ^2/NDF: 2291425.0/30

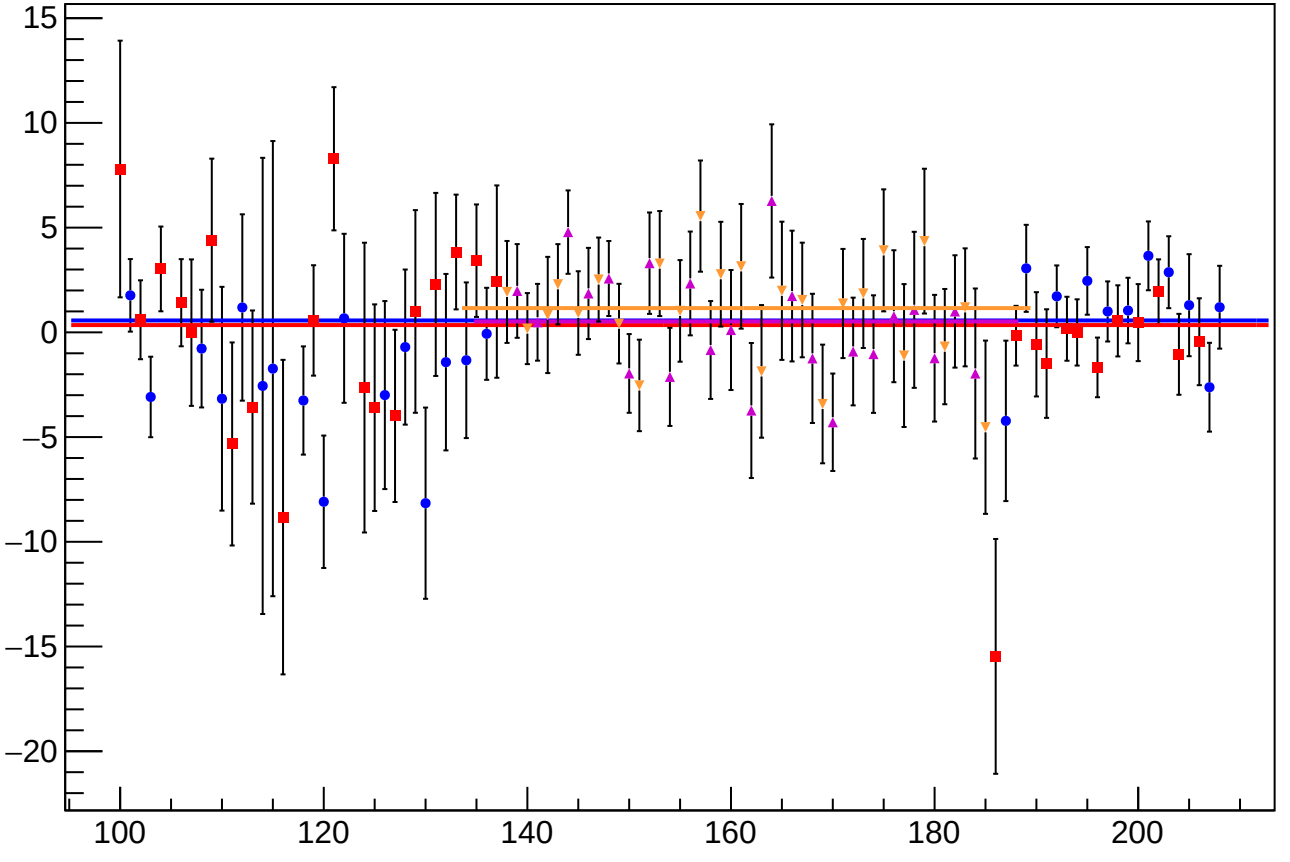
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10402.856+/-1.265 χ^2/NDF: 2069831.0/51

All: 10378.041+/-0.898 χ^2/NDF: 4930621.7/1

- sign 10352.834+/-1.275 χ^2/NDF: 2860014.7/53

diff_bpm4aediffY_mean vs Slug



Right In: 0.567+/-0.445 χ^2/NDF: 32.5/26

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 0.347+/-0.426 χ^2/NDF: 31.4/30

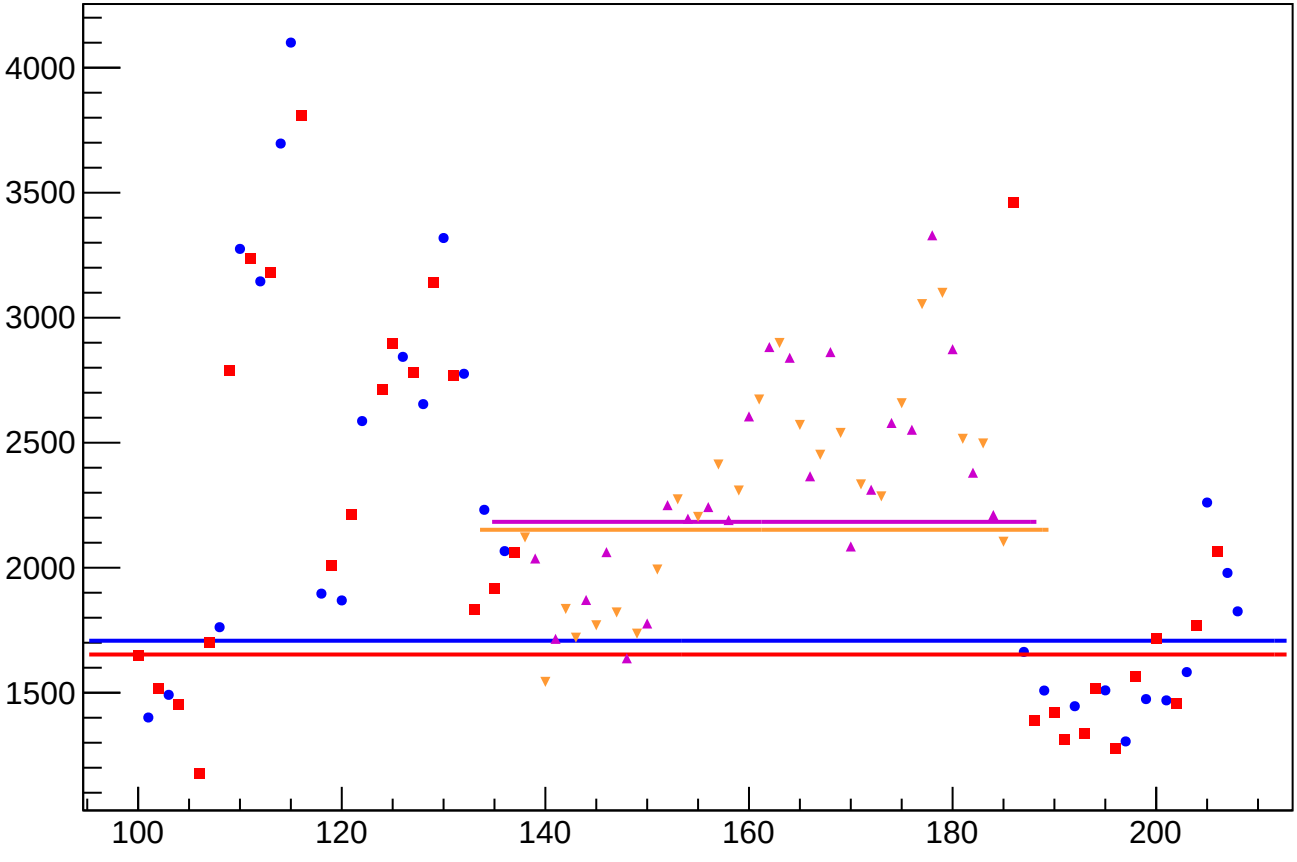
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.828+/-0.333 χ^2/NDF: 50.2/51

All: 0.621+/-0.234 χ^2/NDF: 104.7/105

- sign 0.417+/-0.329 χ^2/NDF: 53.8/53

diff_bpm4aediffY_rms vs Slug



Right In: 1707.972+/-0.315 χ^2/NDF: 1982824.2/26

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1652.885+/-0.301 χ^2/NDF: 2374507.6/30

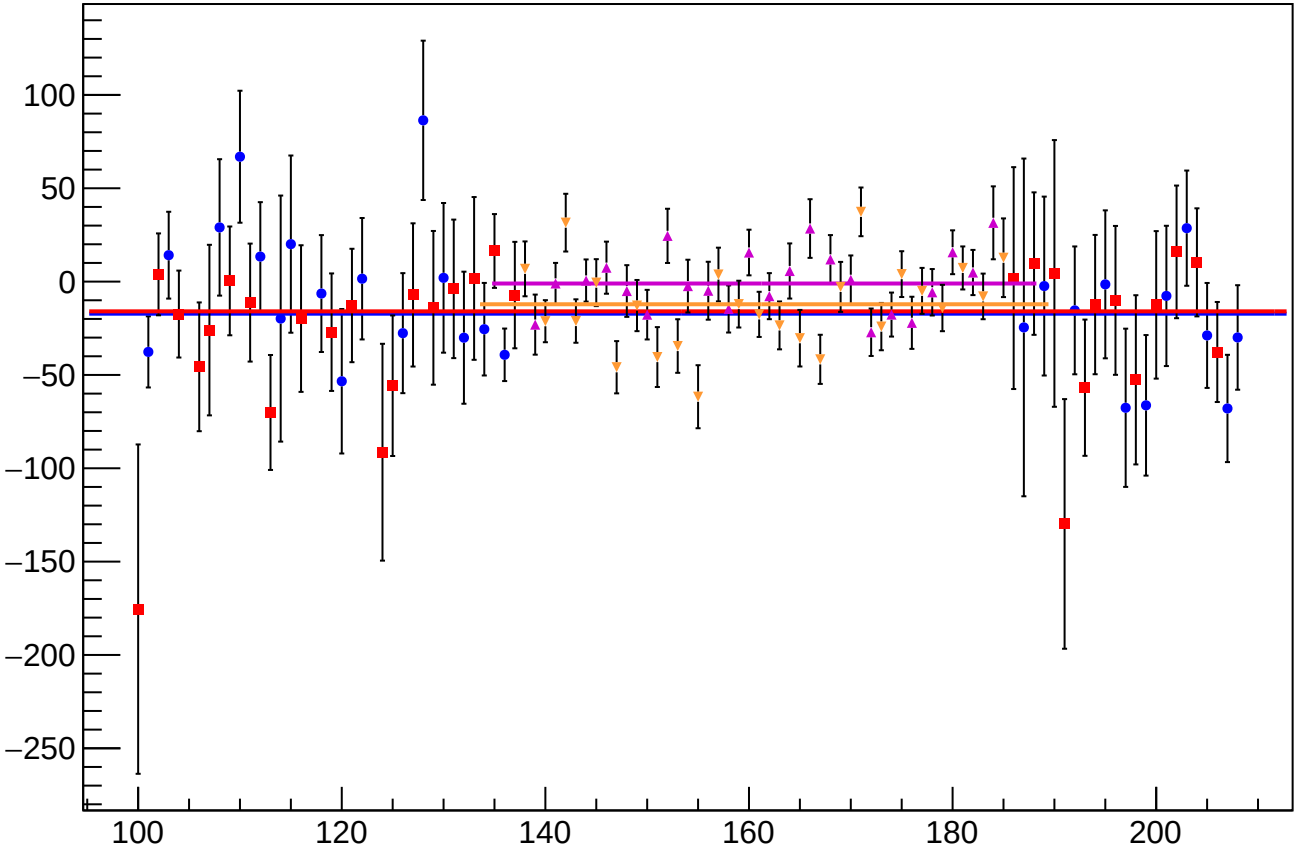
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 1904.192+/-0.235 χ^2/NDF: 4210810.5/51

All: 1884.807+/-0.165 χ^2/NDF: 9008452.4/10

- sign 1865.799+/-0.233 χ^2/NDF: 4784182.7/53

diff_bpmtargetsumX_mean vs Slug



Right In: -17.180+/-5.865 χ^2/NDF: 31.3/26

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

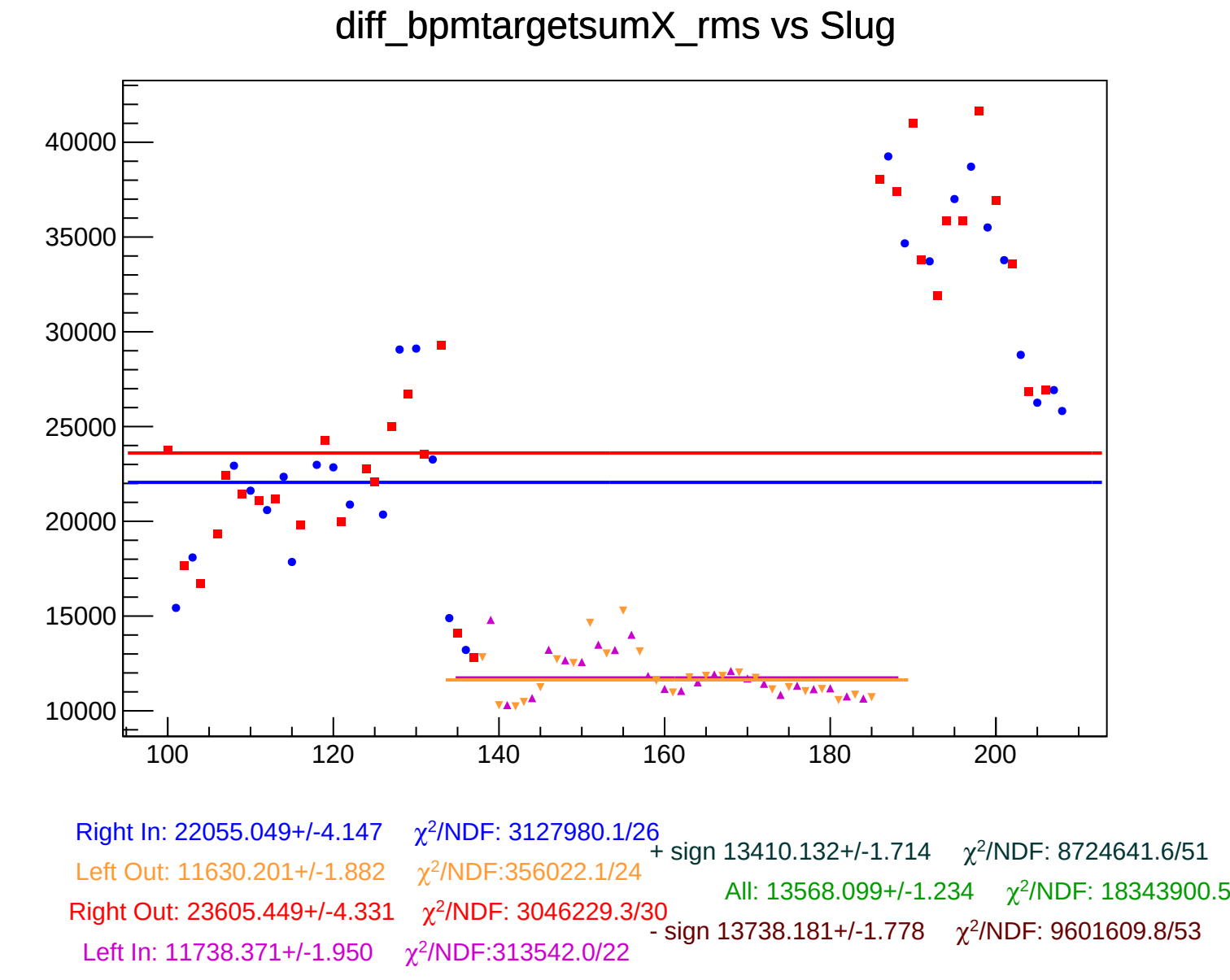
Right Out: -15.933+/-6.125 χ^2/NDF: 22.1/30

Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

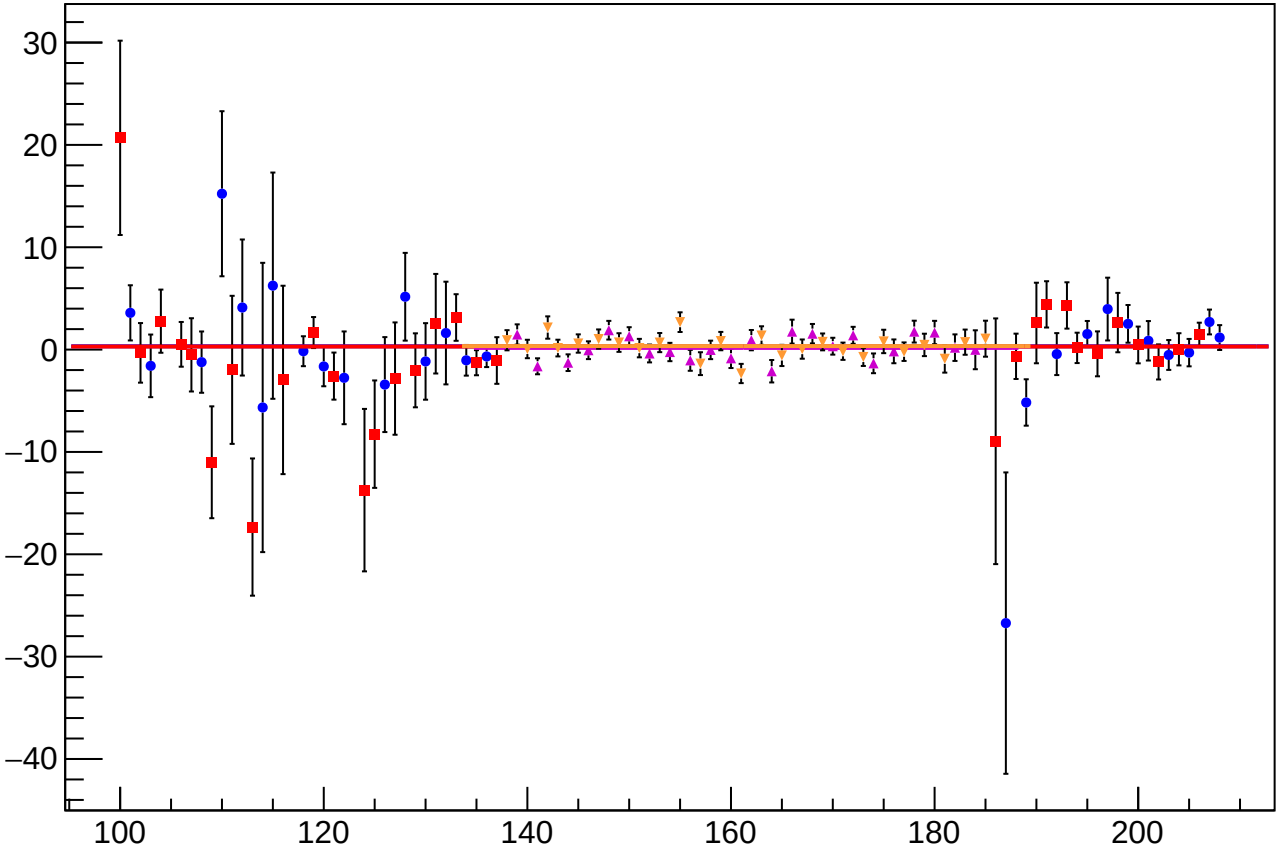
+ sign -12.996+/-2.423 χ^2/NDF: 94.6/51

All: -8.441+/-1.745 χ^2/NDF: 157.8/105

- sign -3.536+/-2.514 χ^2/NDF: 55.8/53


diff_bpmtargetsumX_rms vs Slug
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 22055.049+/-4.147 χ²/NDF: 3127980.1/26
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 23605.449+/-4.331 χ²/NDF: 3046229.3/30
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
+ sign 13410.132+/-1.714 χ²/NDF: 8724641.6/51
All: 13568.099+/-1.234 χ²/NDF: 18343900.5
- sign 13738.181+/-1.778 χ²/NDF: 9601609.8/53

diff_bpmtargetdiffX_mean vs Slug



Right In: 0.323+/-0.381 χ^2/NDF: 29.9/26

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 0.298+/-0.417 χ^2/NDF: 39.7/30

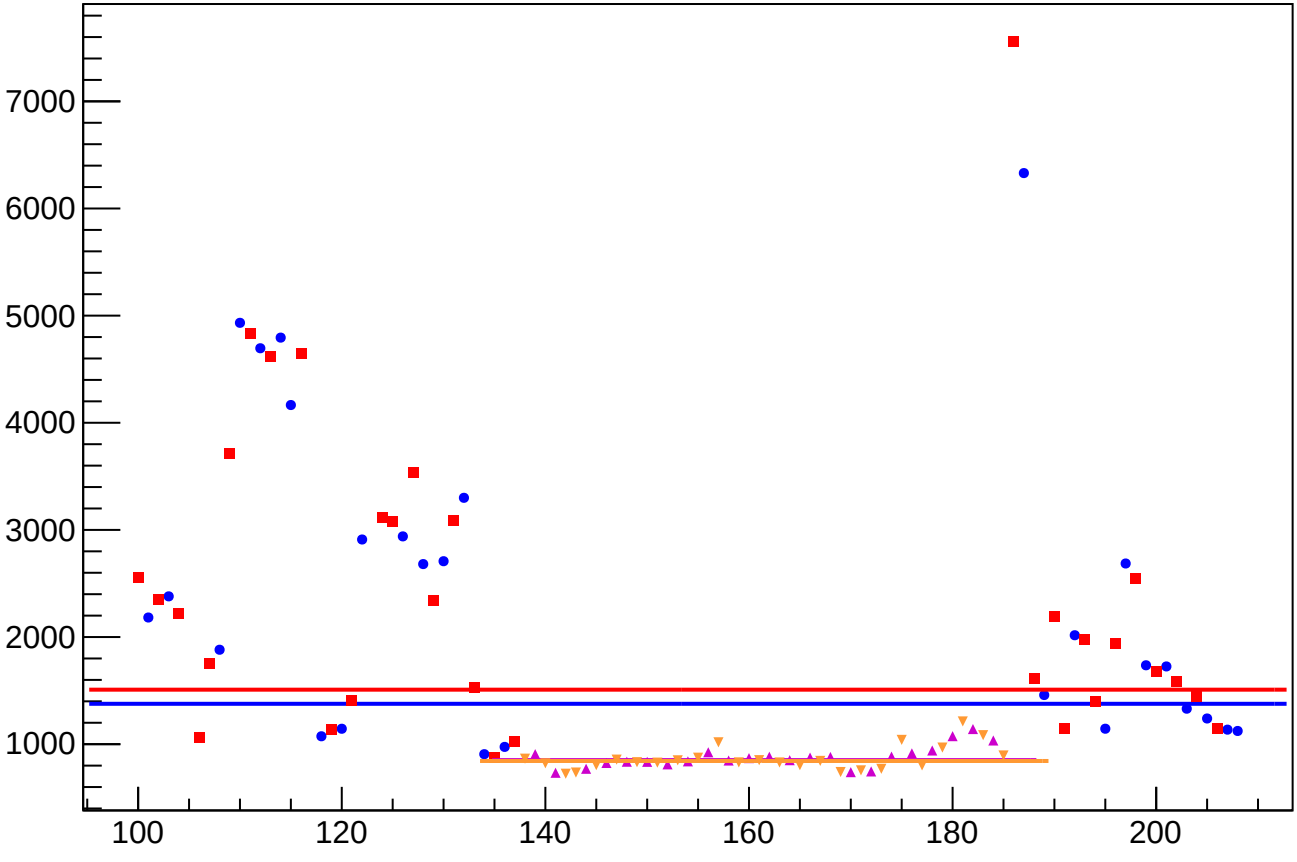
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.339+/-0.173 χ^2/NDF: 56.7/51

All: 0.268+/-0.125 χ^2/NDF: 133.2/105

- sign 0.190+/-0.181 χ^2/NDF: 76.2/53

diff_bpmtargetdiffX_rms vs Slug



Right In: 1376.975+/-0.269 χ^2/NDF: 4568499.0/26

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

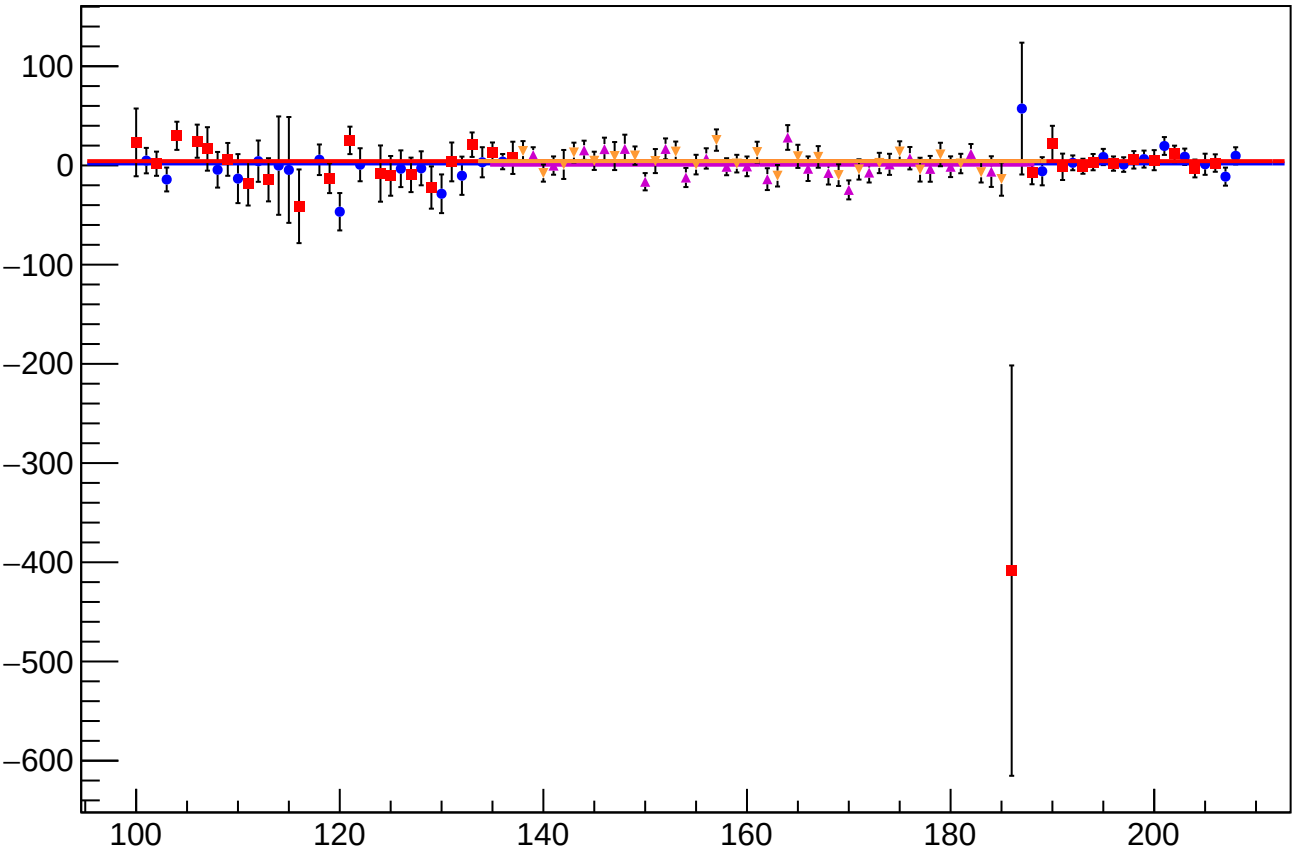
Right Out: 1508.807+/-0.295 χ^2/NDF: 4689051.9/30

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 952.896+/-0.122 χ^2/NDF: 8190663.9/51

All: 963.715+/-0.088 χ^2/NDF: 17317145.7/10

- sign 975.587+/-0.128 χ^2/NDF: 9110023.6/53



Right In: 2.004+/-2.260 χ^2/NDF: 21.6/26

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

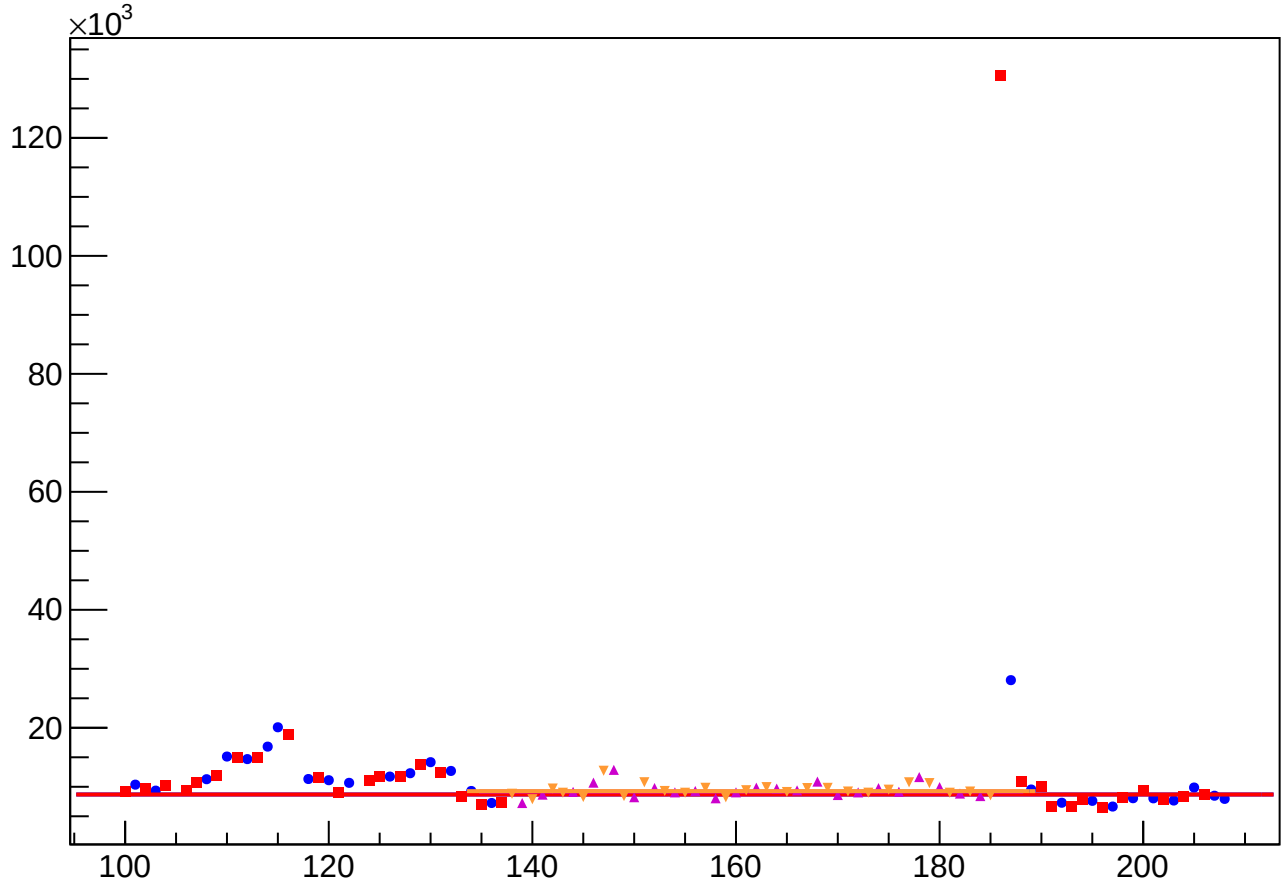
Right Out: 4.329+/-2.242 χ^2/NDF: 26.0/30

Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 3.268+/-1.547 χ^2/NDF: 40.8/51

All: 2.874+/-1.098 χ^2/NDF: 100.3/105

- sign 2.473+/-1.559 χ^2/NDF: 59.4/53



Right In: 8692.983+/-1.598 χ^2/NDF: 1635364.5/26

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

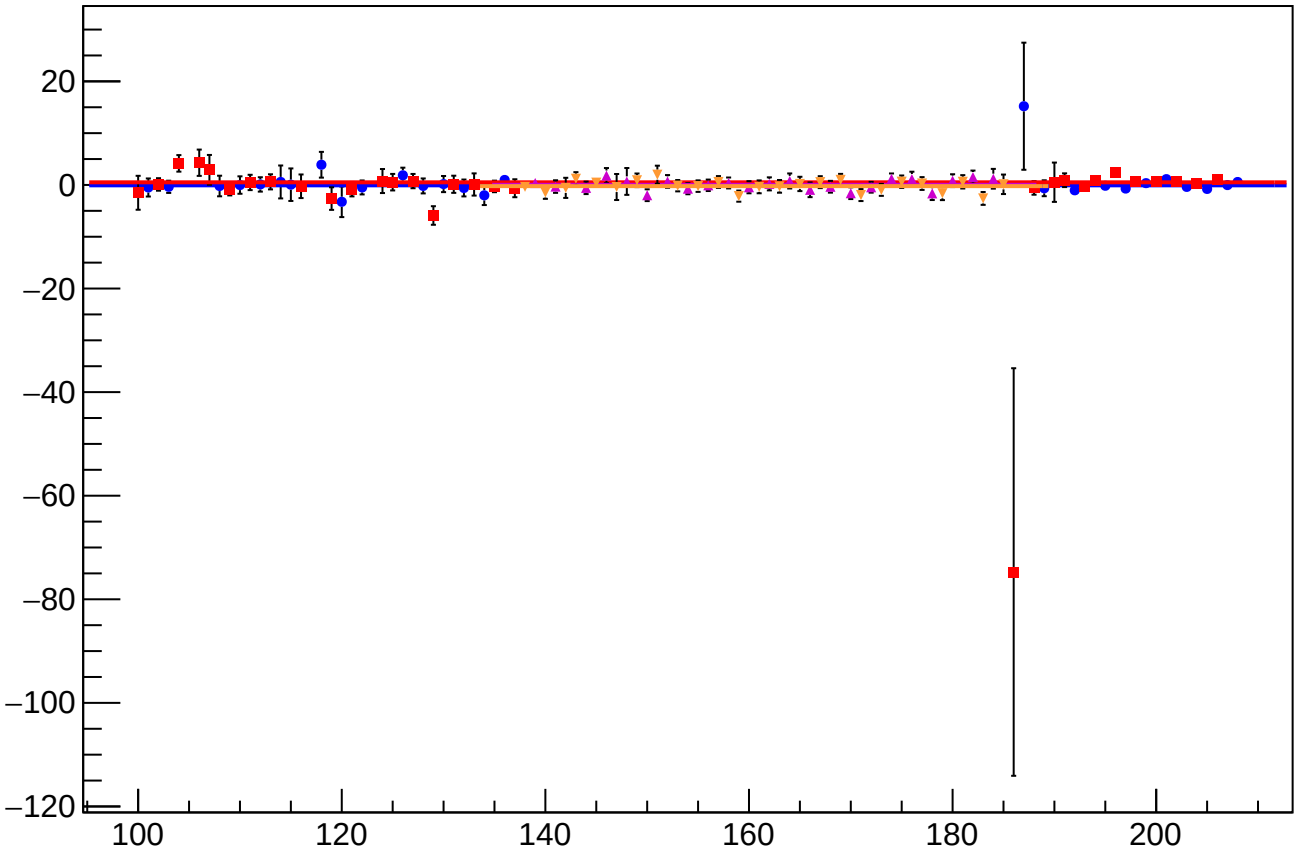
Right Out: 8690.931+/-1.585 χ^2/NDF: 2297245.9/30

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 8995.187+/-1.094 χ^2/NDF: 2068722.6/51

All: 8974.496+/-0.777 χ^2/NDF: 4935315.7/10

- sign 8953.463+/-1.103 χ^2/NDF: 2865871.5/53



Right In: -0.075+/-0.202 χ^2/NDF: 16.9/26

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.506+/-0.210 χ^2/NDF: 39.1/30

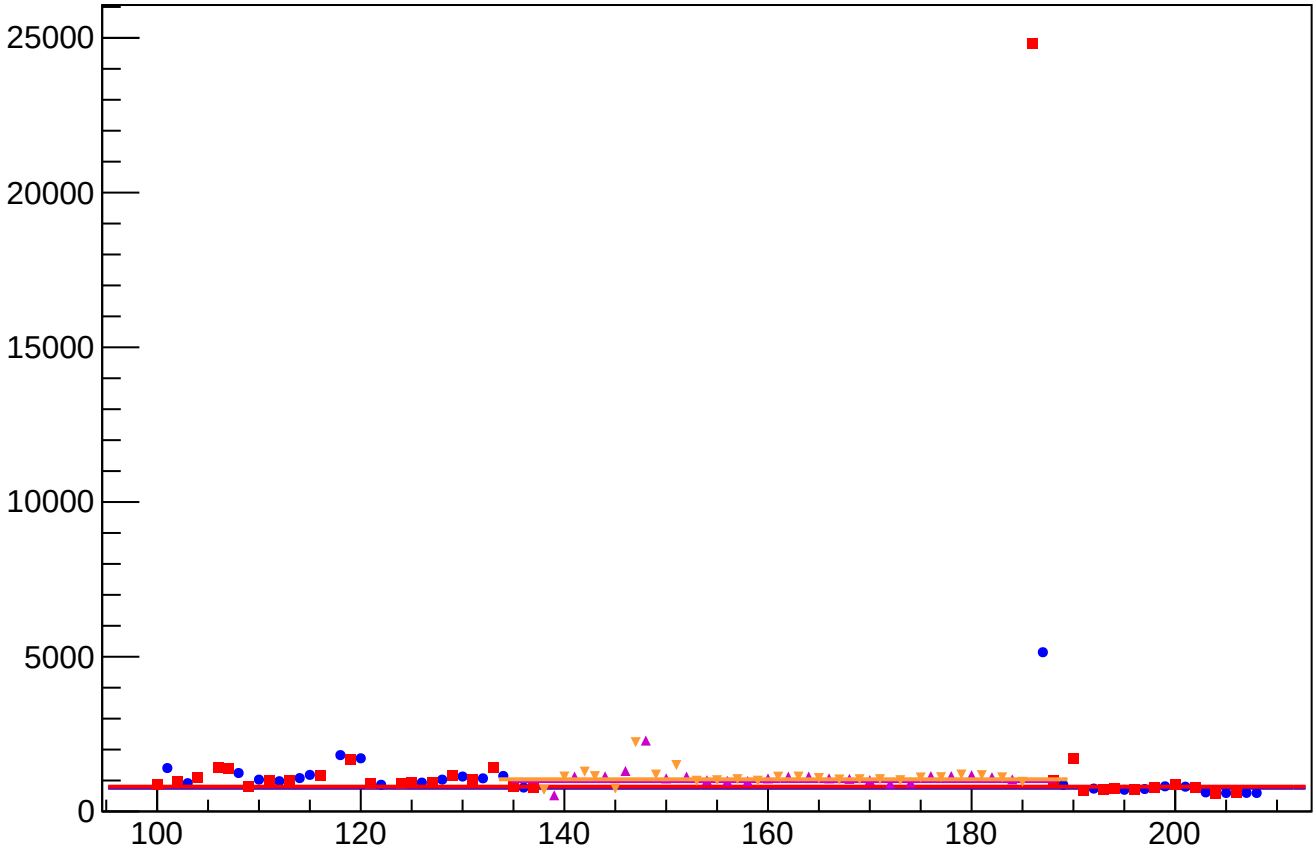
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.138+/-0.156 χ^2/NDF: 36.1/51

All: 0.076+/-0.111 χ^2/NDF: 96.5/105

- sign 0.296+/-0.158 χ^2/NDF: 56.6/53

diff_bpmtargetdiffY_rms vs Slug



Right In: 766.579+/-0.143 χ^2/NDF: 2299368.5/26

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

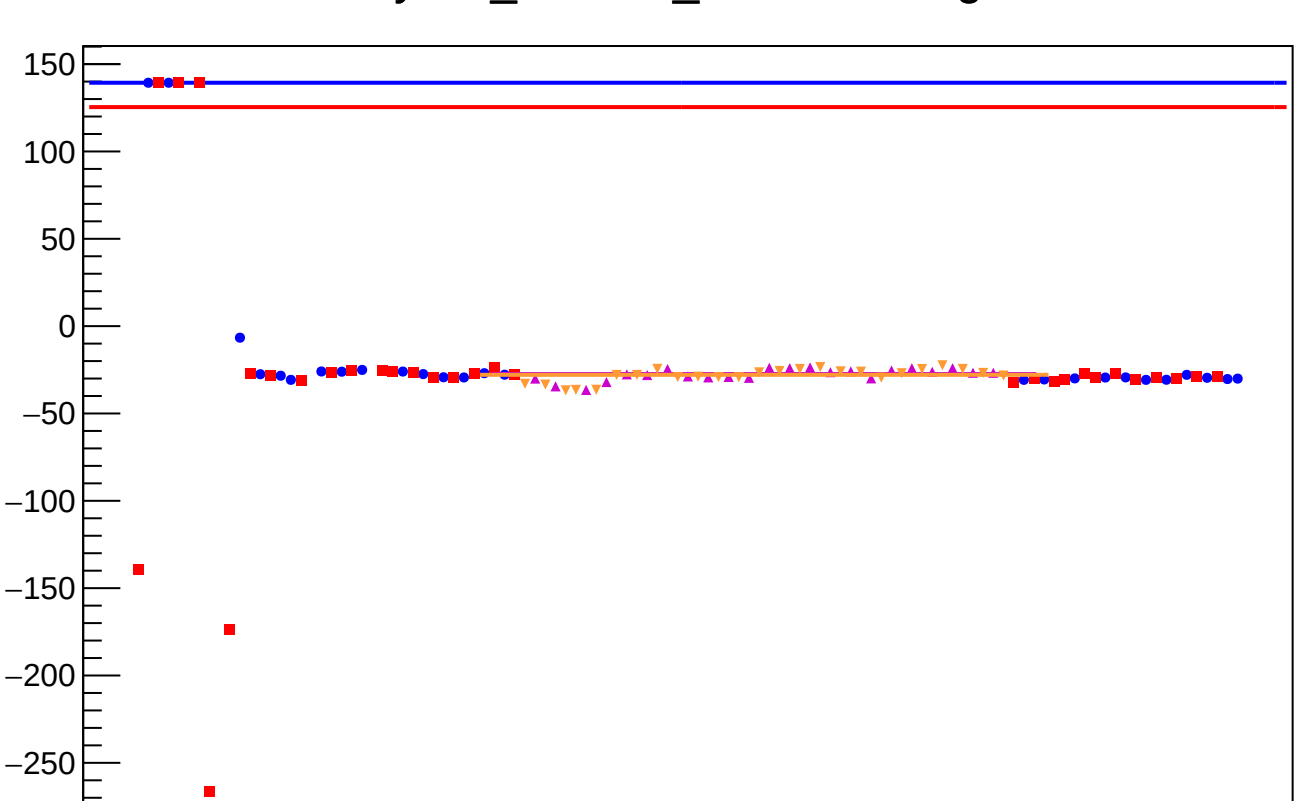
Right Out: 800.635+/-0.149 χ^2/NDF: 2534529.5/30

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 878.135+/-0.110 χ^2/NDF: 5124613.1/51

All: 878.818+/-0.078 χ^2/NDF: 10531322.1/10

- sign 879.521+/-0.112 χ^2/NDF: 5406630.8/53



Right In: 139.336+/-0.000 χ^2/NDF: 60587153716.0/26

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774184567703669.1/30

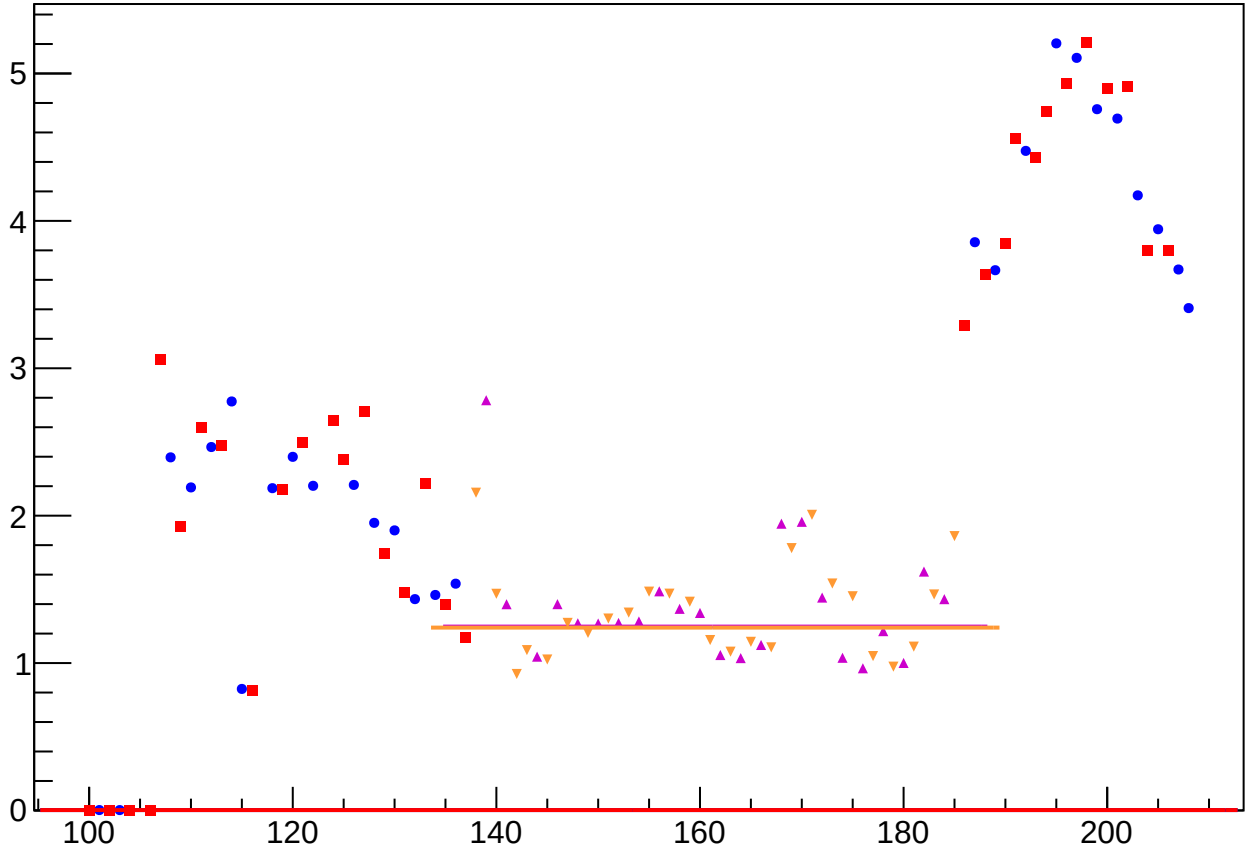
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.327+/-0.000 χ^2/NDF: 335129532902.4/5

All: 131.810+/-0.000 χ^2/NDF: 79351215484

- sign 125.385+/-0.000 χ^2/NDF: 774398220380279

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 26219932.6/26

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

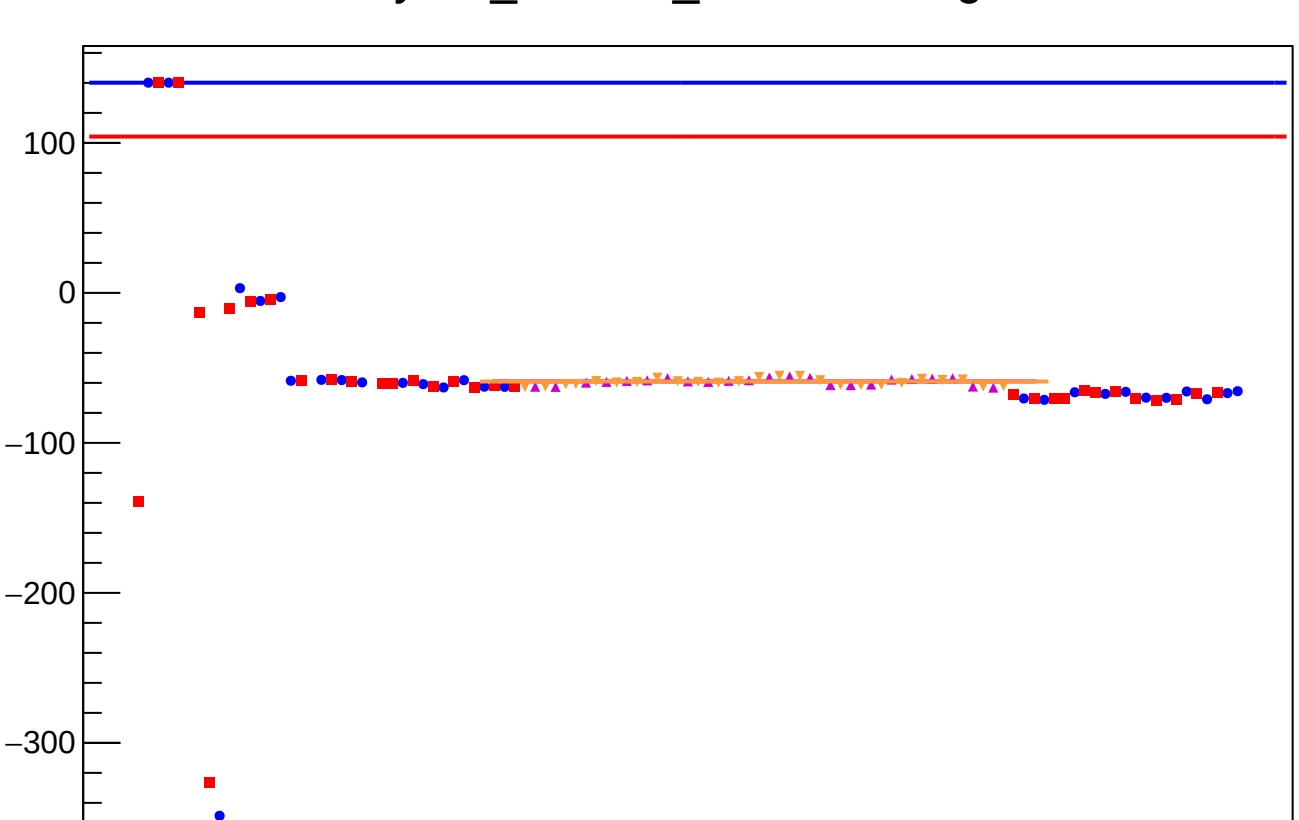
Right Out: 0.003+/-0.000 χ^2/NDF: 27096719.6/30

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 57518055.8/51

All: 0.003+/-0.000 χ^2/NDF: 114382118.6/105

- sign 0.003+/-0.000 χ^2/NDF: 56863659.7/53



Right In: 140.136+/-0.000 χ^2/NDF: 473907303977.8/26

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.219+/-0.000 χ^2/NDF: 1257599525487578.0/30

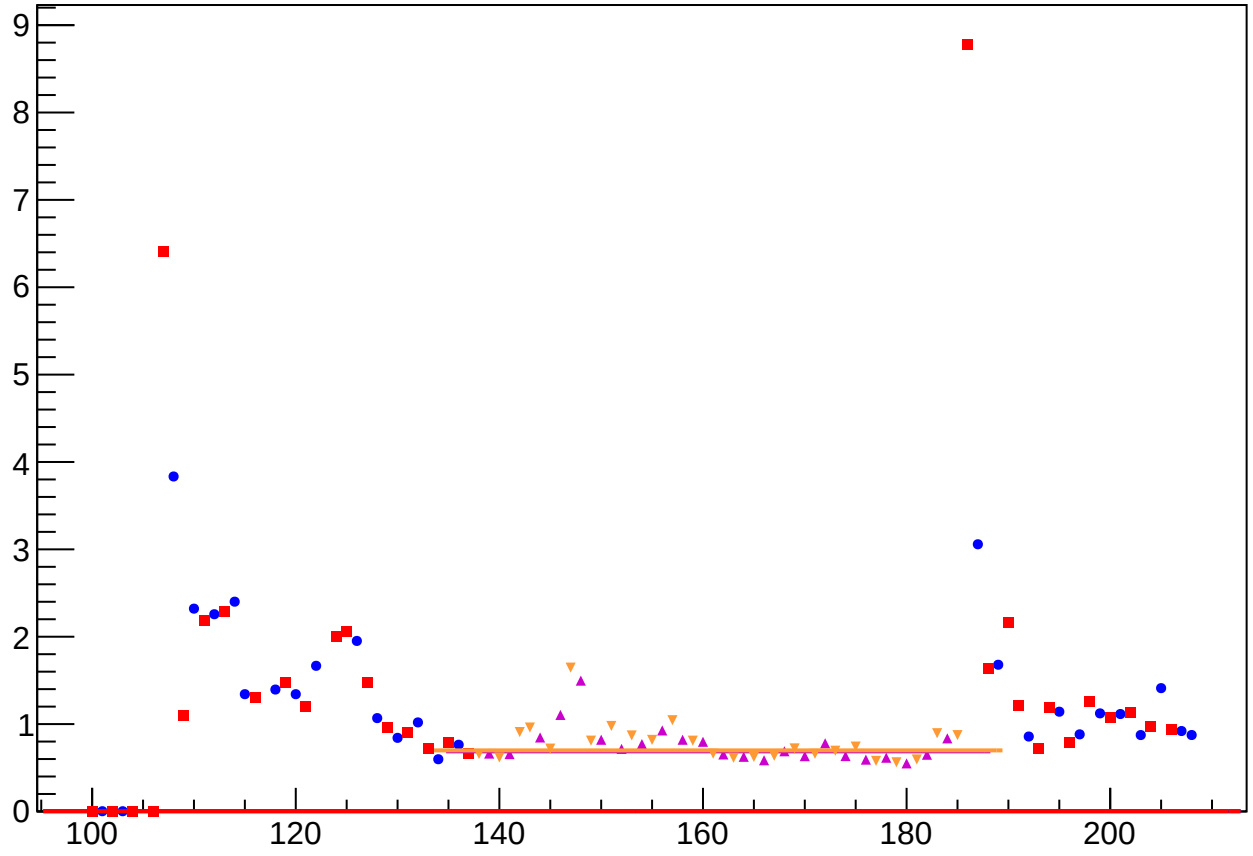
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.099+/-0.000 χ^2/NDF: 1770997369789.4

All: 120.795+/-0.000 χ^2/NDF: 138346701152

- sign 104.193+/-0.000 χ^2/NDF: 125845653205905

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 24335904.2/26

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

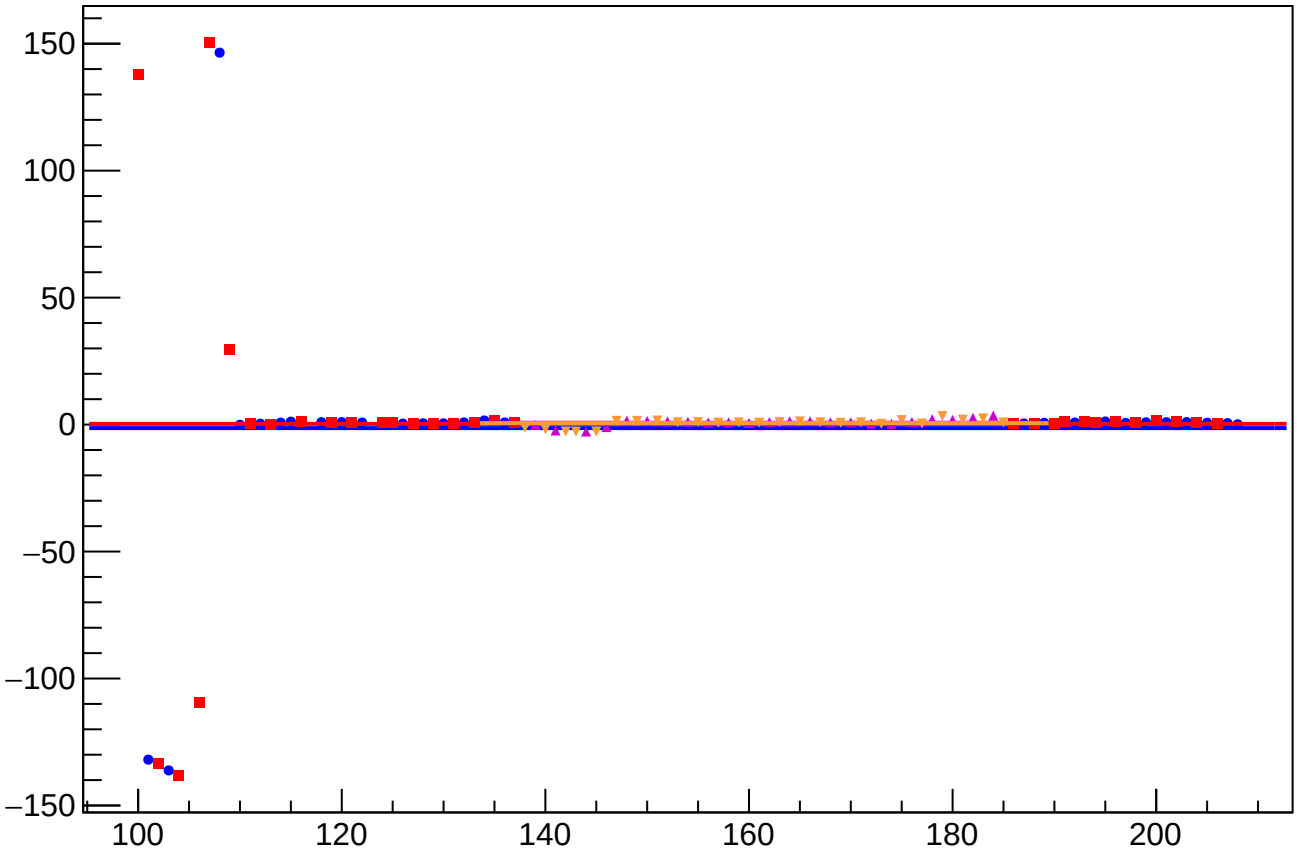
Right Out: 0.003+/-0.000 χ^2/NDF: 25155234.9/30

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 57386891.0/51

All: 0.003+/-0.000 χ^2/NDF: 113850502.4/105

- sign 0.003+/-0.000 χ^2/NDF: 56462943.2/53



Right In: -1.388+/-0.000 χ^2/NDF: 9904852885.0/26

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.296+/-0.000 χ^2/NDF: 3612922074.3/30

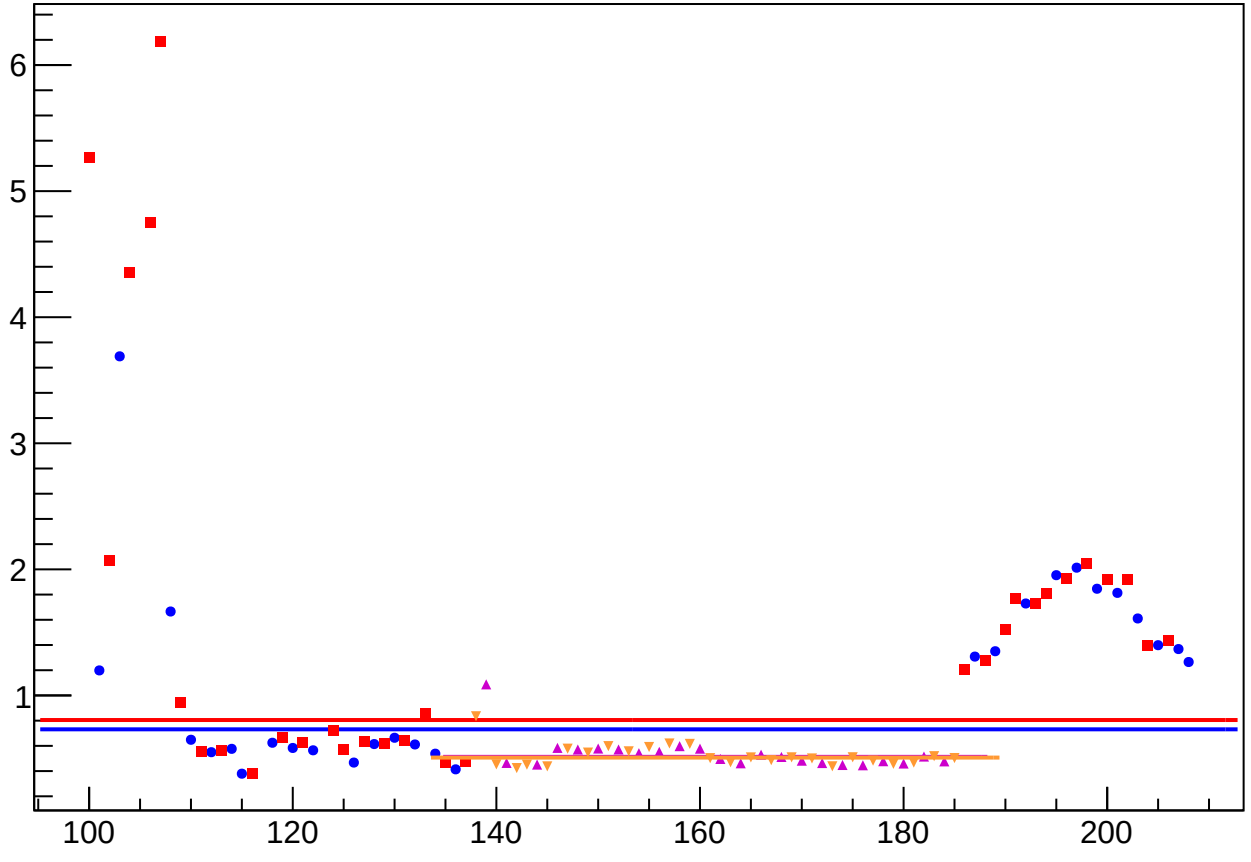
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.099+/-0.000 χ^2/NDF: 10116043679.6/51

All: 0.352+/-0.000 χ^2/NDF: 13847394361.4/1

- sign 0.632+/-0.000 χ^2/NDF: 3720505158.1/53

yield_cav4cX_rms vs Slug



Right In: 0.731+/-0.000 χ^2/NDF: 7541260.8/26

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.805+/-0.000 χ^2/NDF: 8115743.0/30

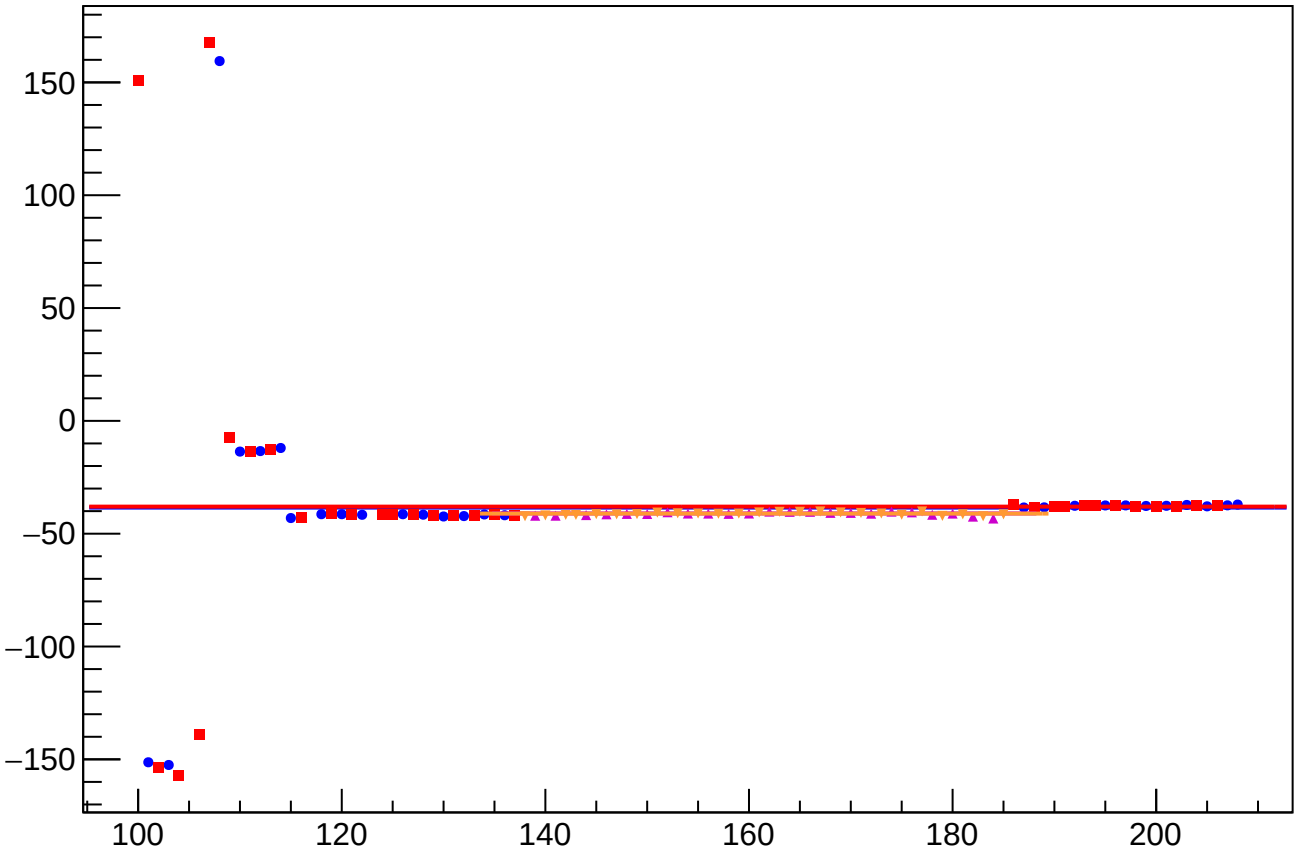
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.561+/-0.000 χ^2/NDF: 9578279.8/51

All: 0.570+/-0.000 χ^2/NDF: 20673399.4/105

- sign 0.580+/-0.000 χ^2/NDF: 11068632.6/53

yield_cav4cY_mean vs Slug



Right In: -38.427+/-0.000 χ^2/NDF: 3616913003.7/26

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.005+/-0.000 χ^2/NDF: 2512954585.2/30

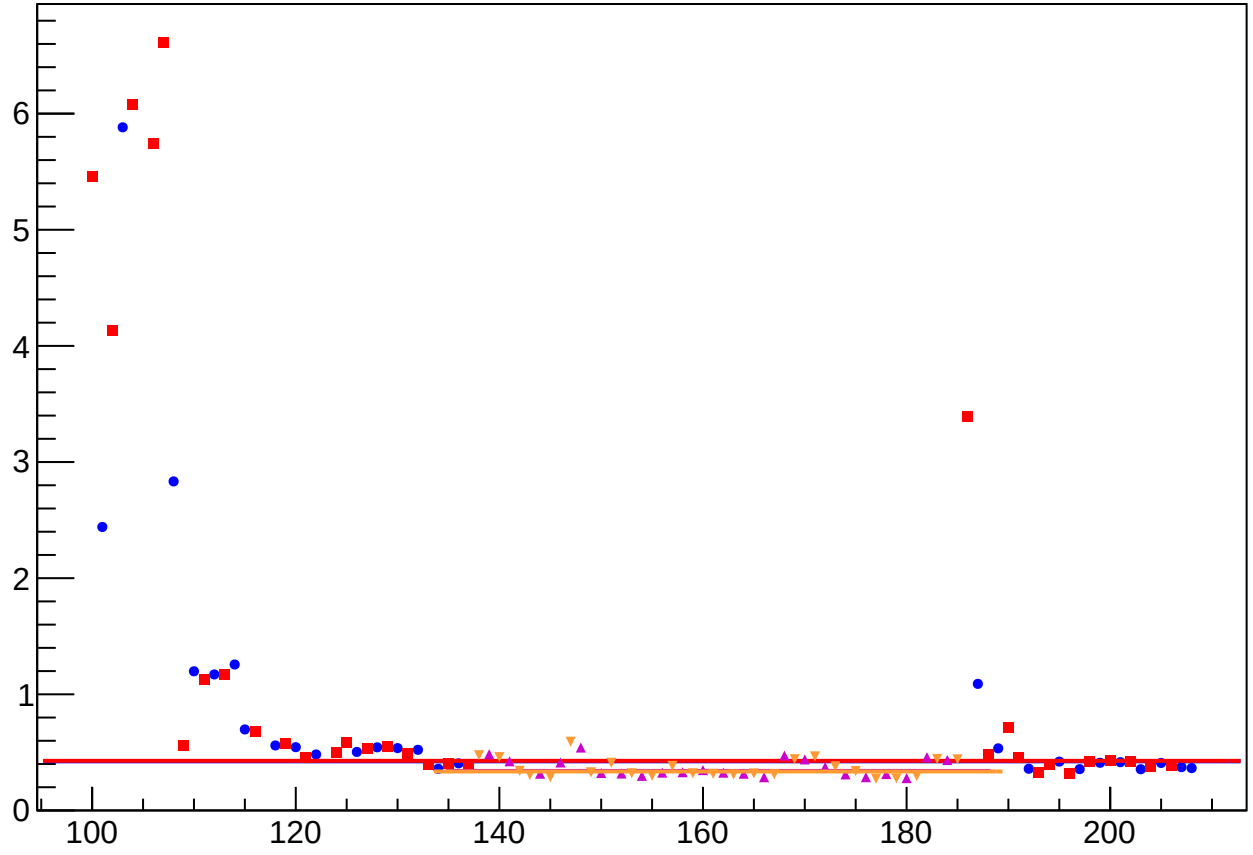
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.267+/-0.000 χ^2/NDF: 4023556648.4/51

All: -40.162+/-0.000 χ^2/NDF: 7022153787.6/

- sign -40.051+/-0.000 χ^2/NDF: 2993472079.3/53

yield_cav4cY_rms vs Slug



Right In: 0.423+/-0.000 χ^2/NDF: 3733231.8/26

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

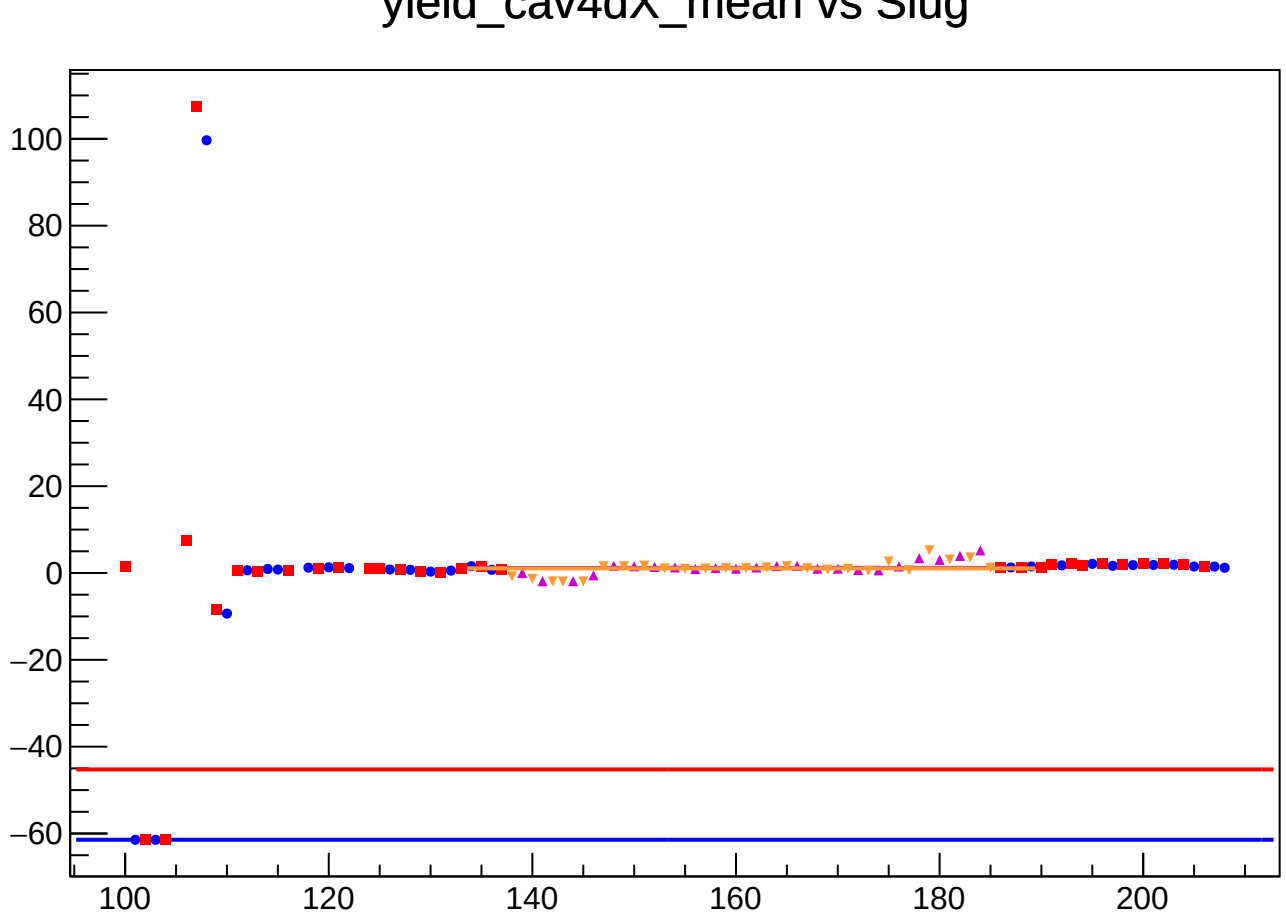
Right Out: 0.427+/-0.000 χ^2/NDF: 4676899.2/30

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.363+/-0.000 χ^2/NDF: 5714805.6/51

All: 0.365+/-0.000 χ^2/NDF: 12174796.7/105

- sign 0.368+/-0.000 χ^2/NDF: 6452844.2/53



Right In: -61.435+/-0.000 χ^2/NDF: 291260092227.0/26

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357880106303536.5/30

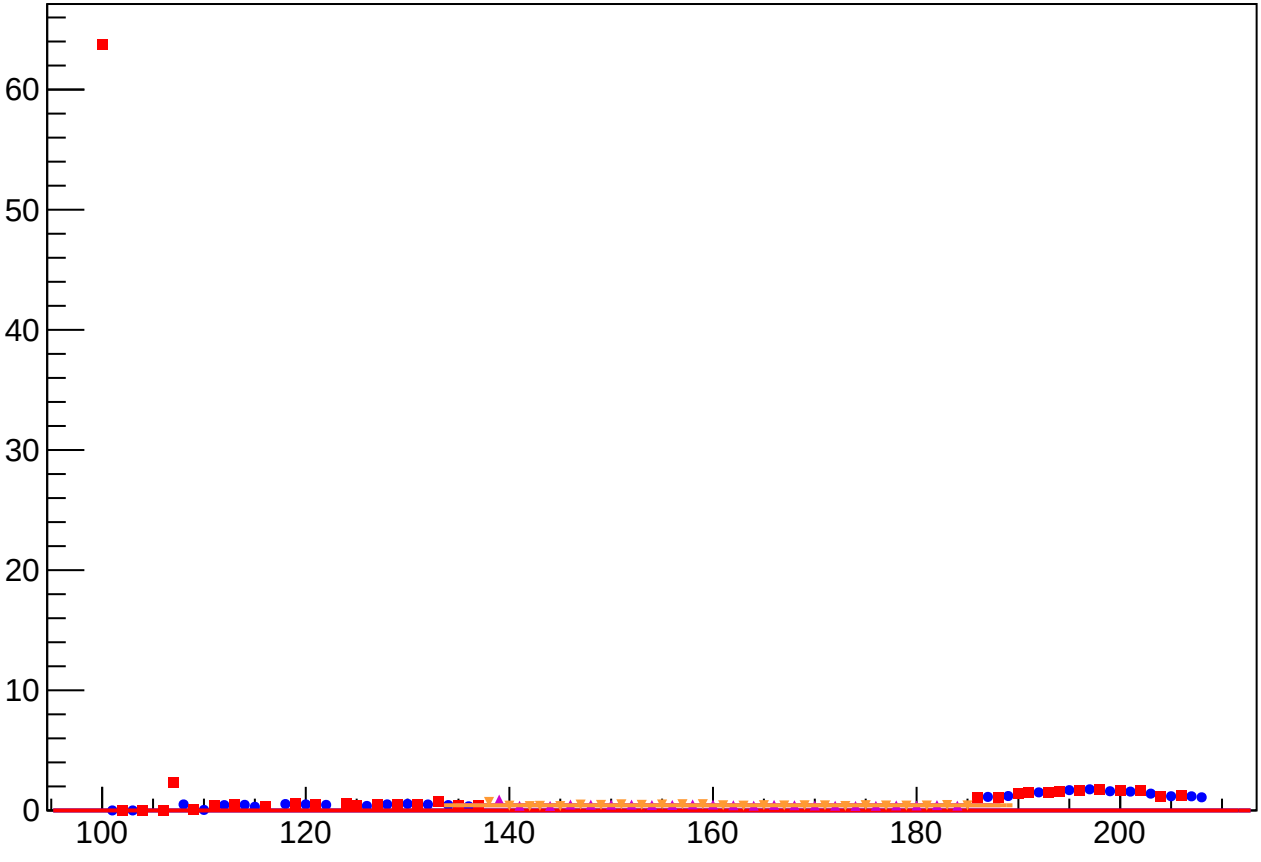
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 621260539565.0/5

All: -52.737+/-0.000 χ^2/NDF: 409617683047

- sign -45.236+/-0.000 χ^2/NDF: 358046669667231.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 25775933.0/26

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

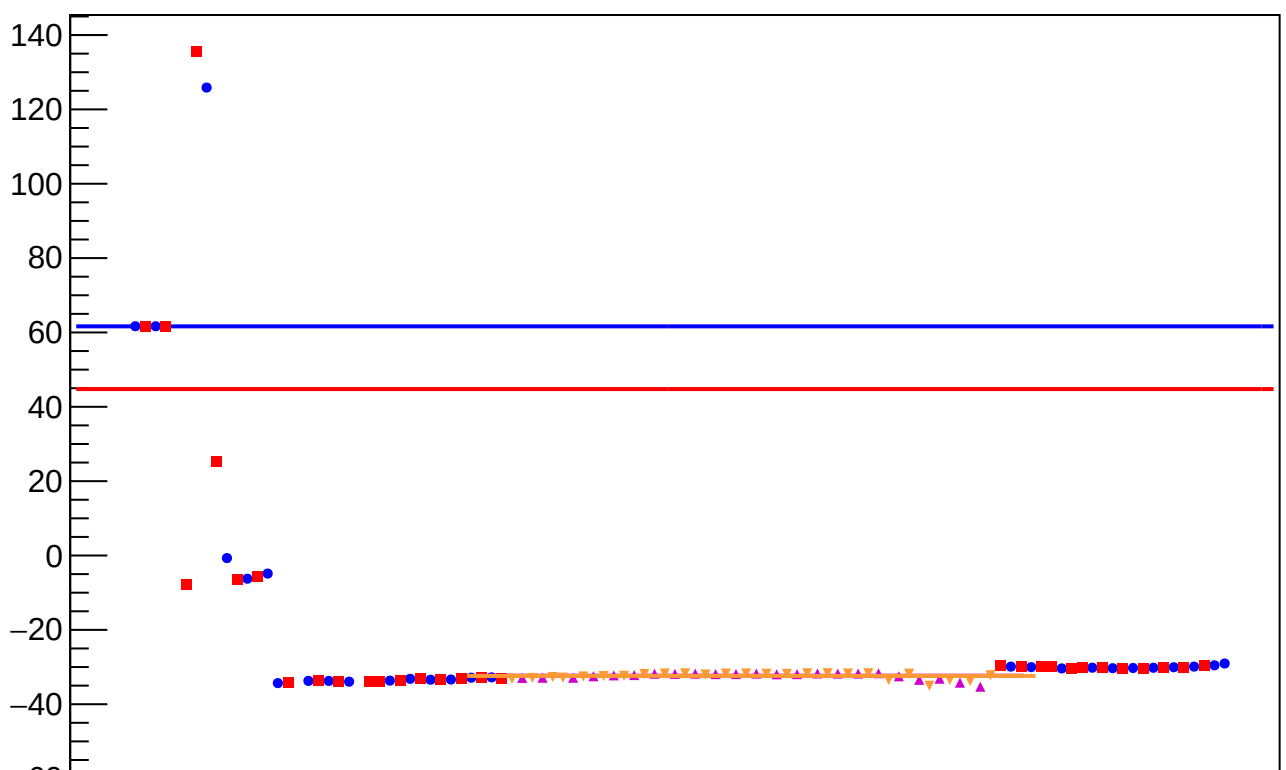
Right Out: 0.001+/-0.000 χ^2/NDF: 26698431.4/30

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 57539283.1/51

All: 0.002+/-0.000 χ^2/NDF: 114379317.1/105

- sign 0.002+/-0.000 χ^2/NDF: 56839805.4/53



Right In: 61.641+/-0.000 χ^2/NDF: 1003074089204.9/26

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.771+/-0.000 χ^2/NDF: 366505425775610.6/30

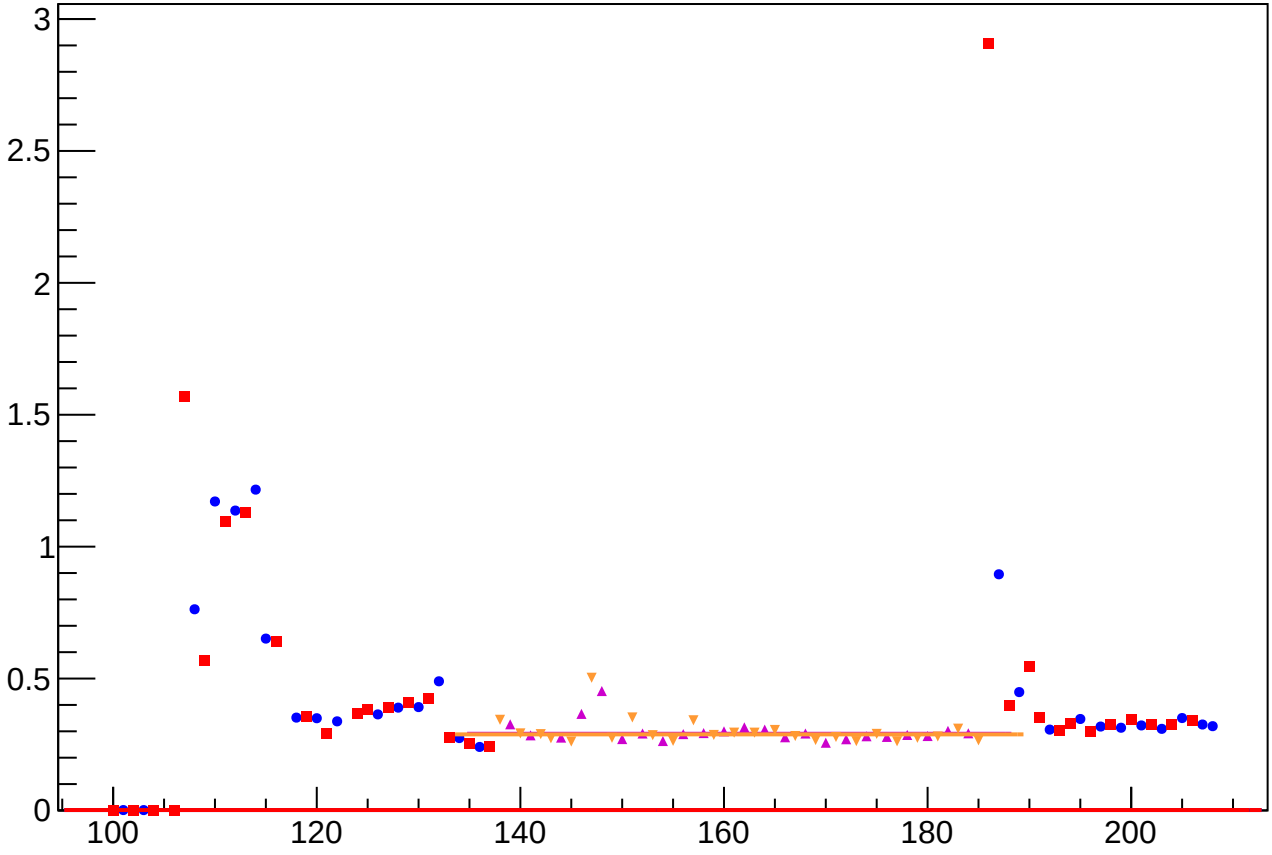
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.580+/-0.000 χ^2/NDF: 2960354726795.2/5

All: 52.621+/-0.000 χ^2/NDF: 4216790730155

- sign 44.730+/-0.000 χ^2/NDF: 367732786533675.1

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 27338204.2/26

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 27627494.7/30

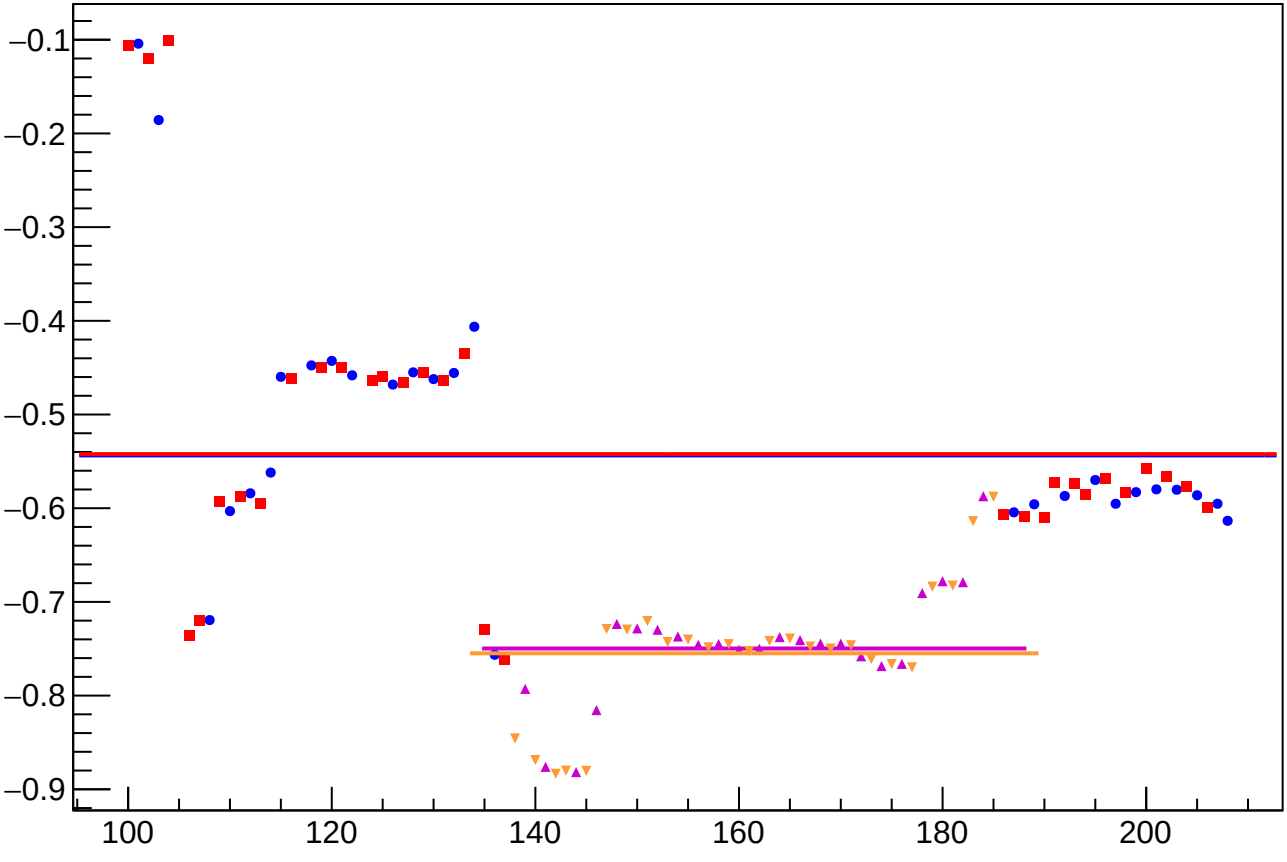
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 64283039.3/51

All: 0.002+/-0.000 χ^2/NDF: 126803889.9/105

- sign 0.002+/-0.000 χ^2/NDF: 62520665.6/53

yield_bpm4aX_mean vs Slug



Right In: -0.544+/-0.000 χ^2/NDF: 306811564.2/26

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.542+/-0.000 χ^2/NDF: 220280502.6/30

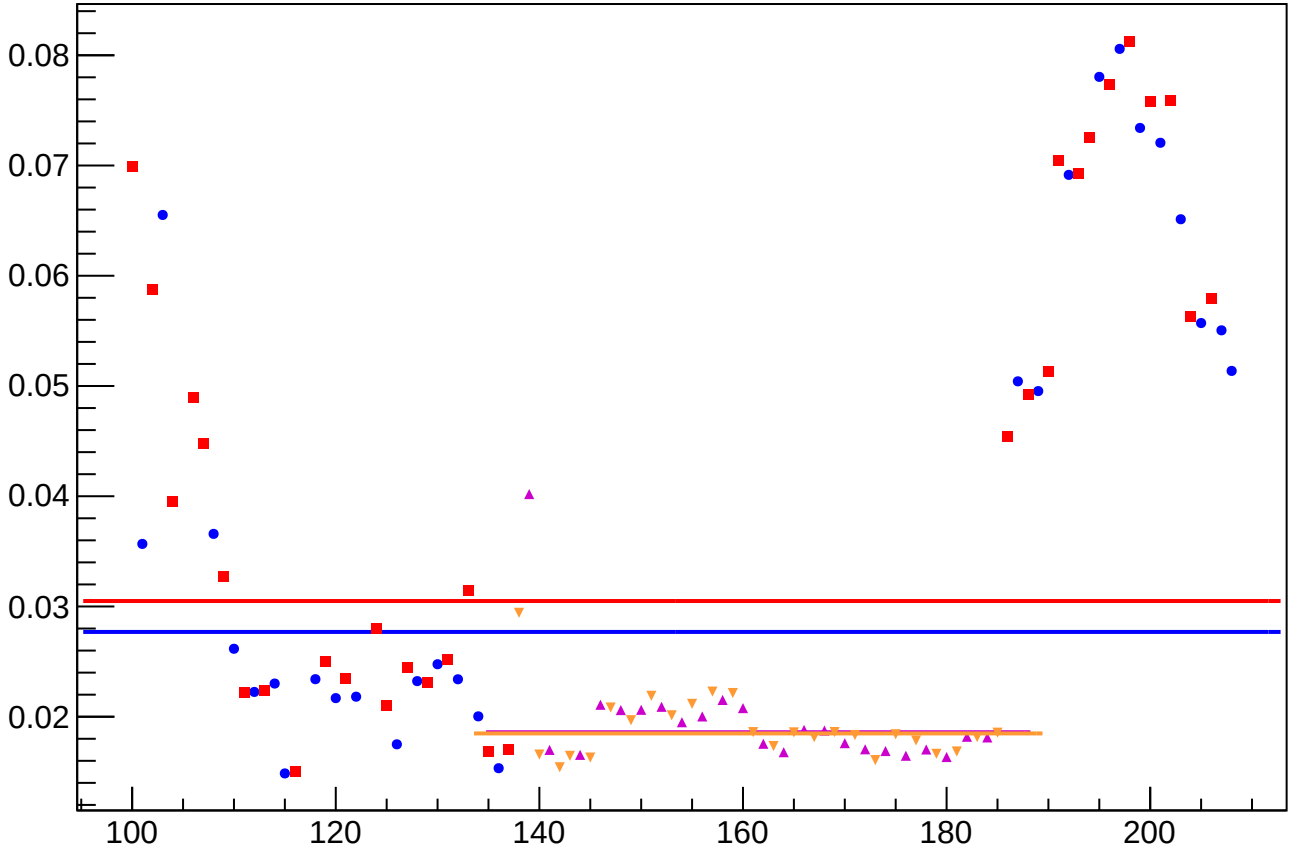
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.706+/-0.000 χ^2/NDF: 990860819.1/51

All: -0.705+/-0.000 χ^2/NDF: 1759211869.5/1

- sign -0.704+/-0.000 χ^2/NDF: 768168522.9/53

yield_bpm4aX_rms vs Slug



Right In: 0.028+/-0.000 χ^2/NDF: 7452224.9/26

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.030+/-0.000 χ^2/NDF: 7180267.3/30

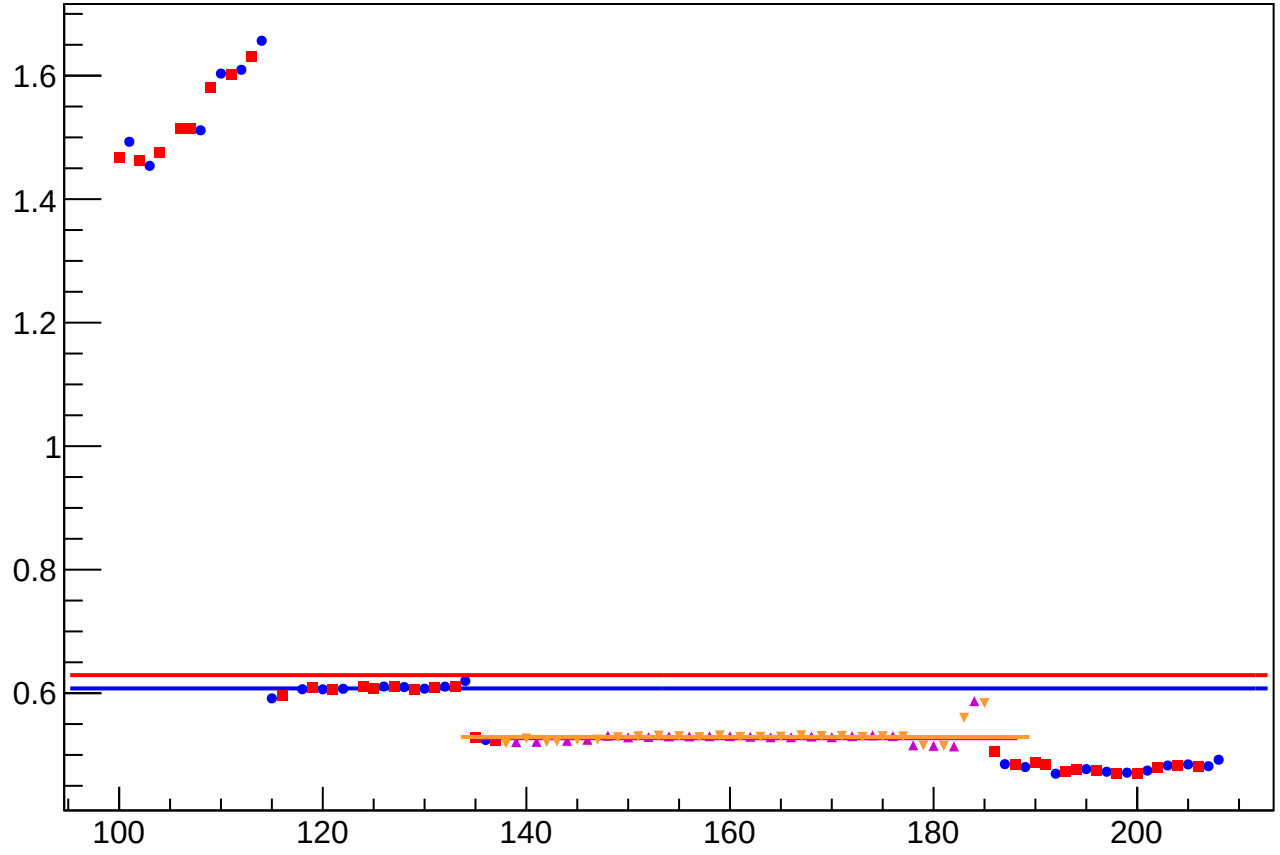
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.021+/-0.000 χ^2/NDF: 9735211.2/51

All: 0.021+/-0.000 χ^2/NDF: 20356330.2/105

- sign 0.021+/-0.000 χ^2/NDF: 10598408.0/53

yield_bpm4aY_mean vs Slug



Right In: 0.608+/-0.000 χ^2/NDF: 5640194852.3/26

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.629+/-0.000 χ^2/NDF: 6545597247.8/30

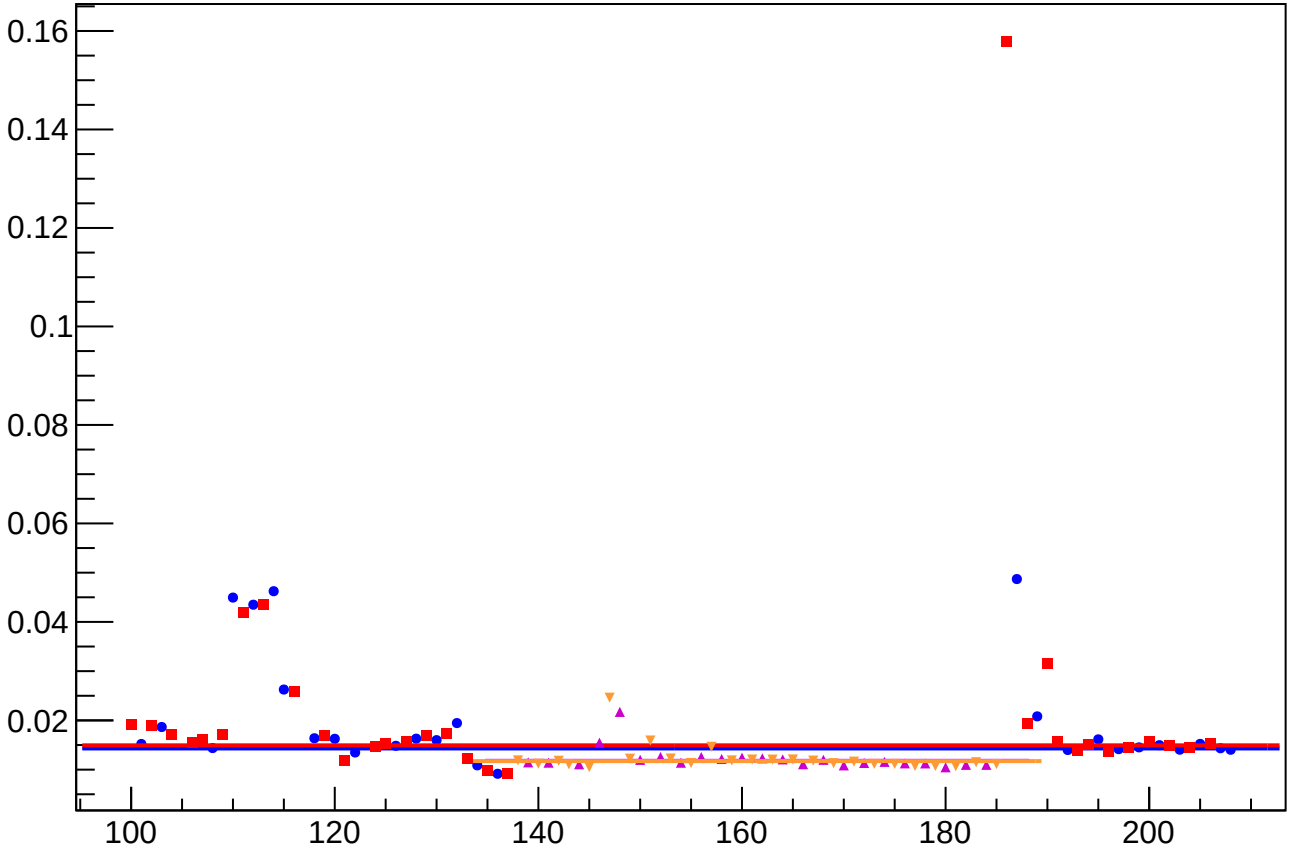
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.556+/-0.000 χ^2/NDF: 5936605598.3/51

All: 0.558+/-0.000 χ^2/NDF: 12944315479.3/1

- sign 0.561+/-0.000 χ^2/NDF: 7004259444.6/53

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1970216.3/26

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2385029.7/30

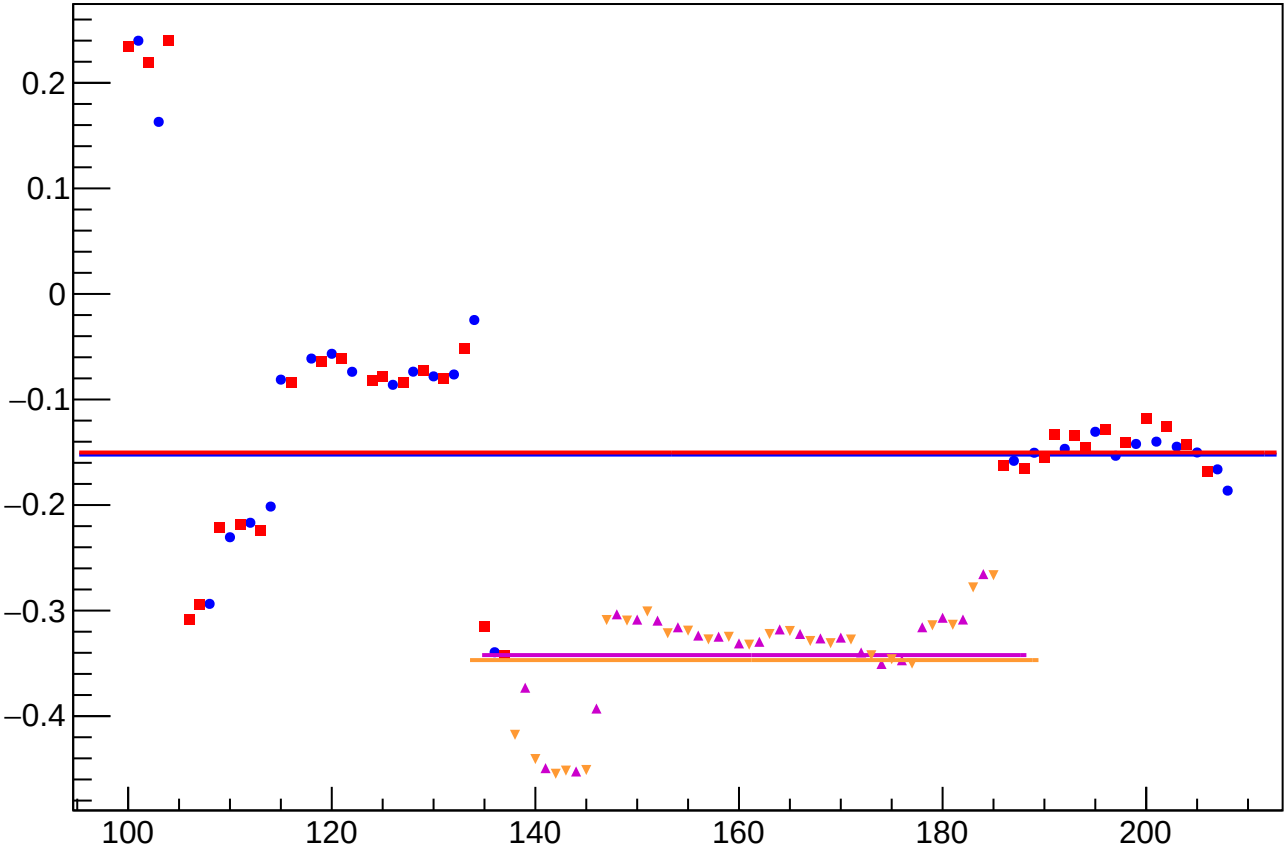
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.013+/-0.000 χ^2/NDF: 3269263.5/51

All: 0.013+/-0.000 χ^2/NDF: 7032168.2/105

- sign 0.013+/-0.000 χ^2/NDF: 3750361.2/53

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 277404039.8/26

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.150+/-0.000 χ^2/NDF: 200054316.2/30

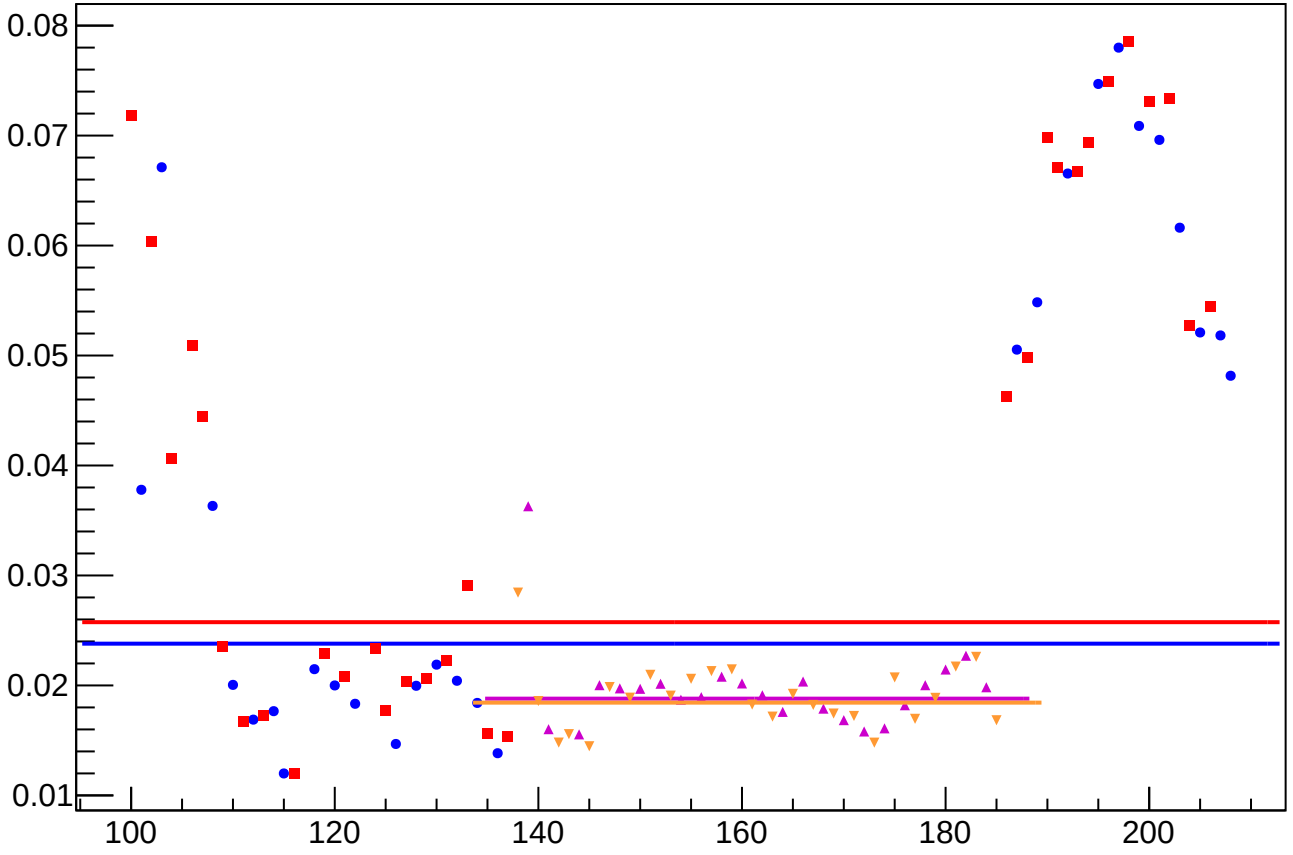
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.293+/-0.000 χ^2/NDF: 889623948.3/51

All: -0.292+/-0.000 χ^2/NDF: 1605648740.3/1

- sign -0.290+/-0.000 χ^2/NDF: 715619289.0/53

yield_bpm4eX_rms vs Slug



Right In: 0.024+/-0.000 χ^2/NDF: 8532360.8/26

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.026+/-0.000 χ^2/NDF: 8663632.7/30

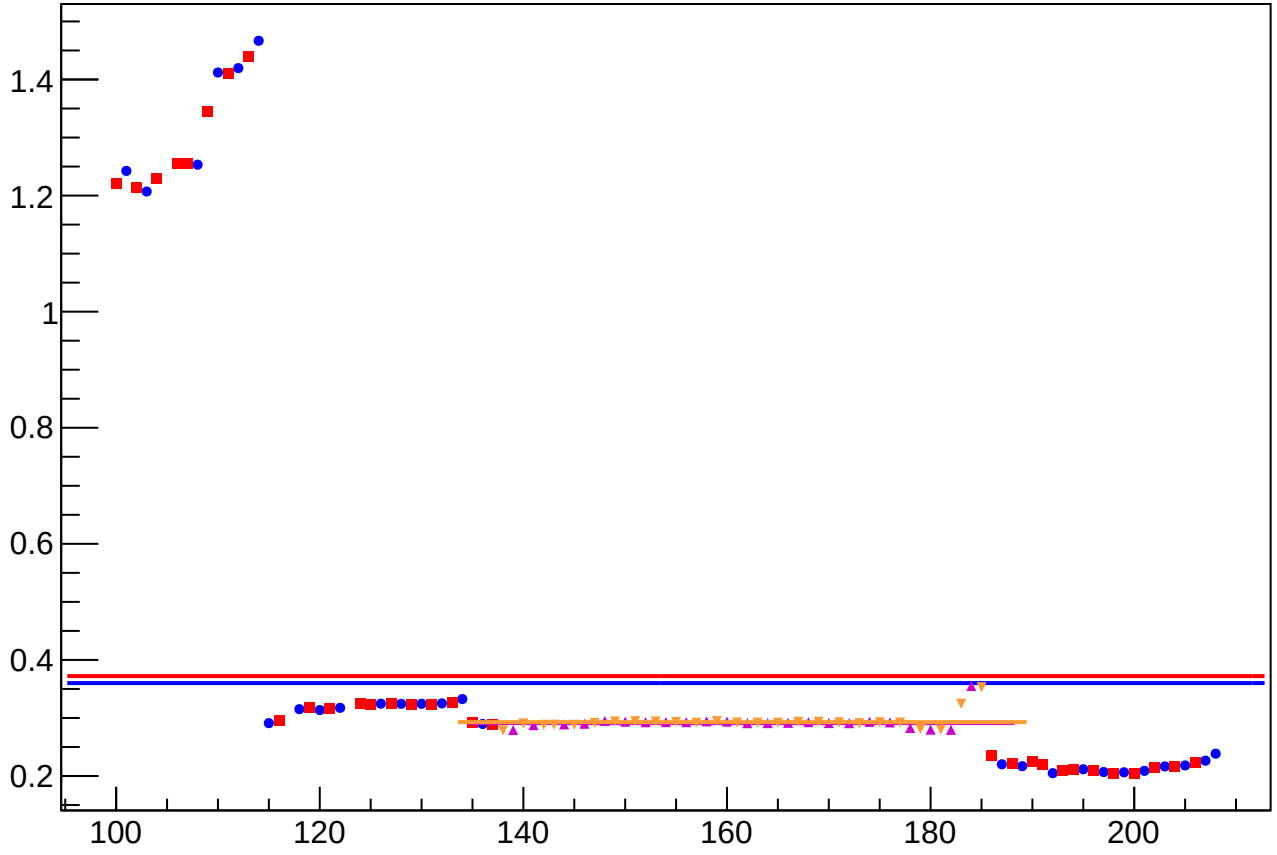
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.020+/-0.000 χ^2/NDF: 9910107.1/51

All: 0.020+/-0.000 χ^2/NDF: 20452480.5/105

- sign 0.021+/-0.000 χ^2/NDF: 10504381.8/53

yield_bpm4eY_mean vs Slug



Right In: 0.360+/-0.000 χ^2/NDF: 8331446287.1/26

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.372+/-0.000 χ^2/NDF: 9237645200.8/30

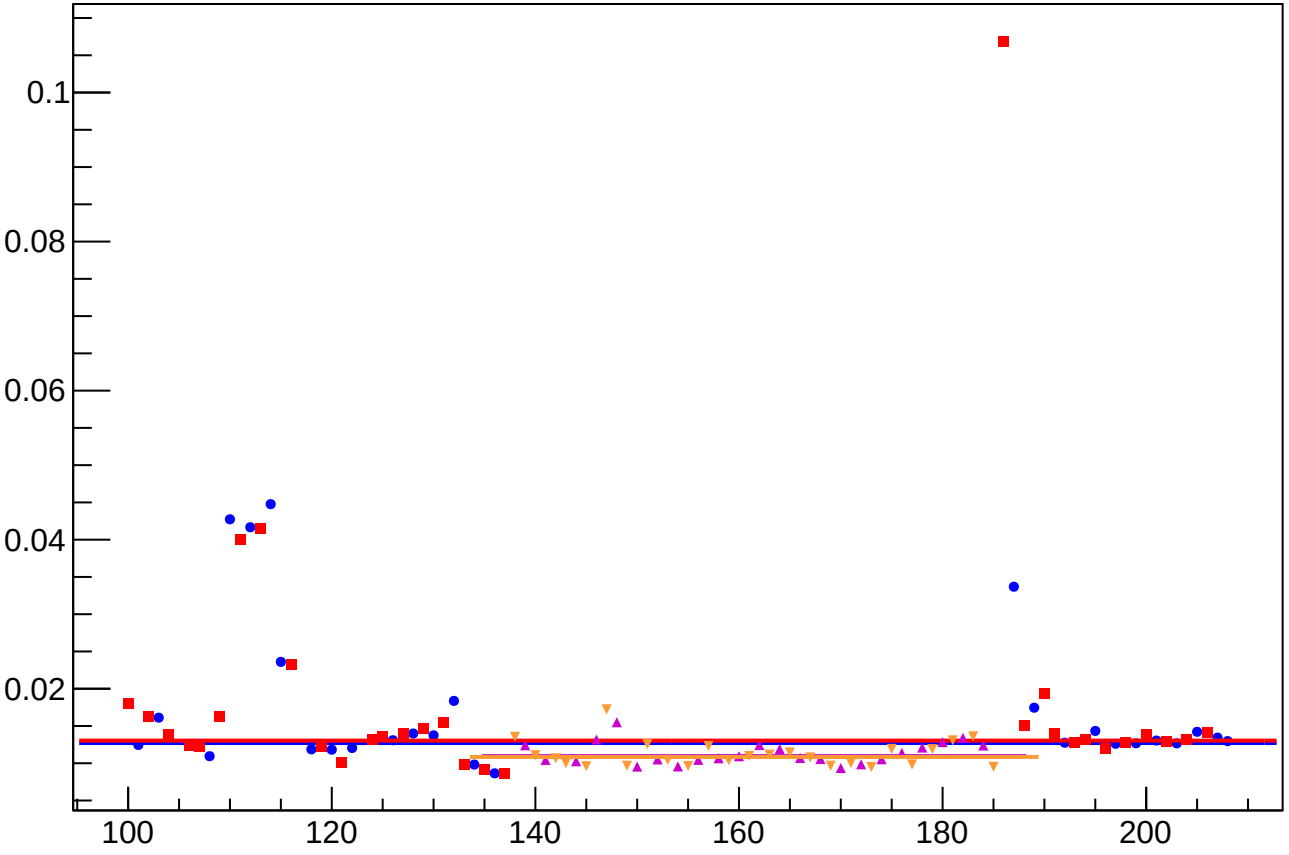
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.317+/-0.000 χ^2/NDF: 8601094344.1/51

All: 0.319+/-0.000 χ^2/NDF: 18200387810.5/1

- sign 0.321+/-0.000 χ^2/NDF: 9597336055.4/53

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1793654.0/26

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

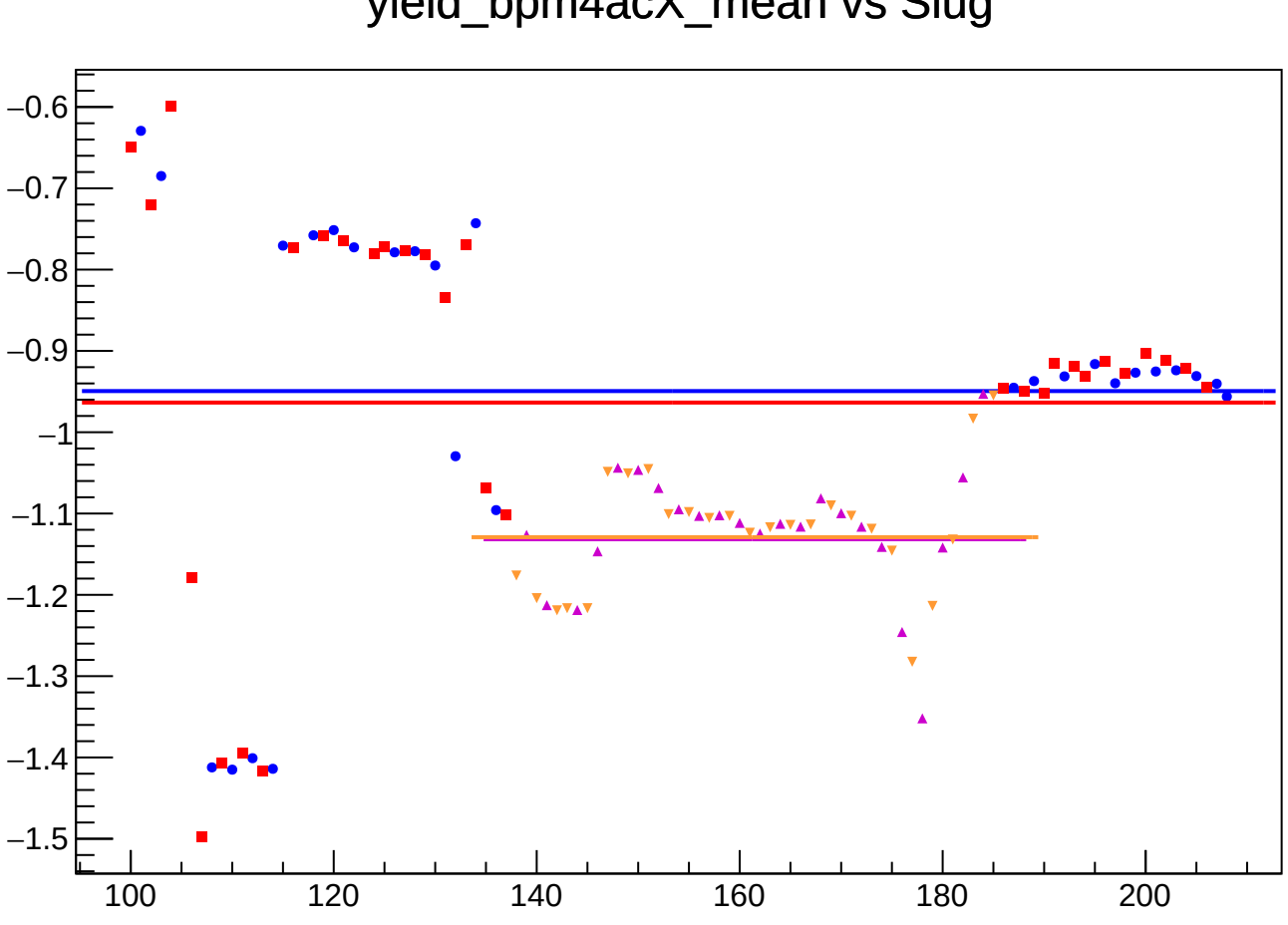
Right Out: 0.013+/-0.000 χ^2/NDF: 2177408.5/30

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.012+/-0.000 χ^2/NDF: 2837437.6/51

All: 0.012+/-0.000 χ^2/NDF: 5999632.7/105

- sign 0.012+/-0.000 χ^2/NDF: 3151823.1/53



Right In: -0.949+/-0.000 χ^2/NDF: 700278149.7/26

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.964+/-0.000 χ^2/NDF: 717967953.8/30

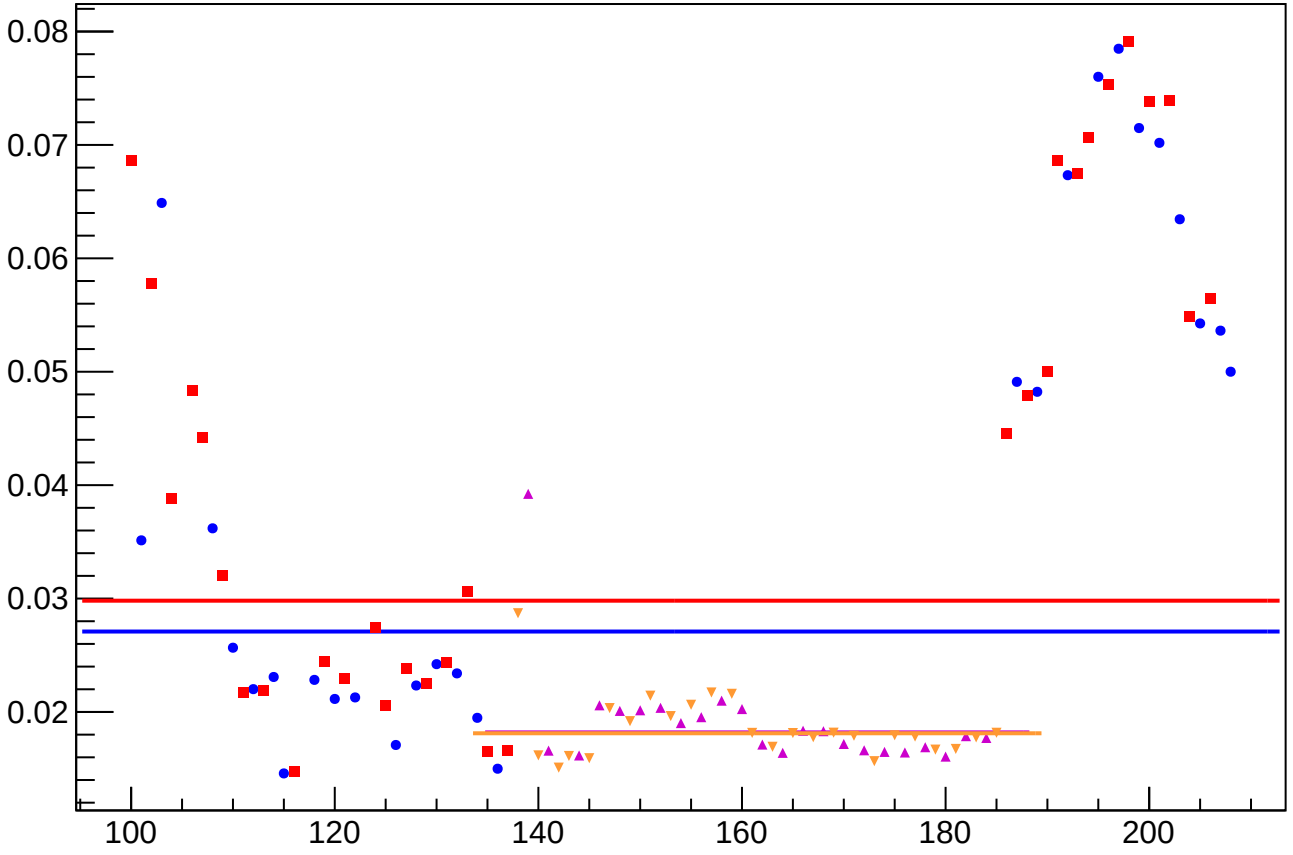
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.087+/-0.000 χ^2/NDF: 1294852265.1/51

All: -1.091+/-0.000 χ^2/NDF: 2553755794.8/1

- sign -1.094+/-0.000 χ^2/NDF: 1257540318.1/53

yield_bpm4acX_rms vs Slug



Right In: 0.027+/-0.000 χ^2/NDF: 7430321.8/26

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.030+/-0.000 χ^2/NDF: 7157763.7/30

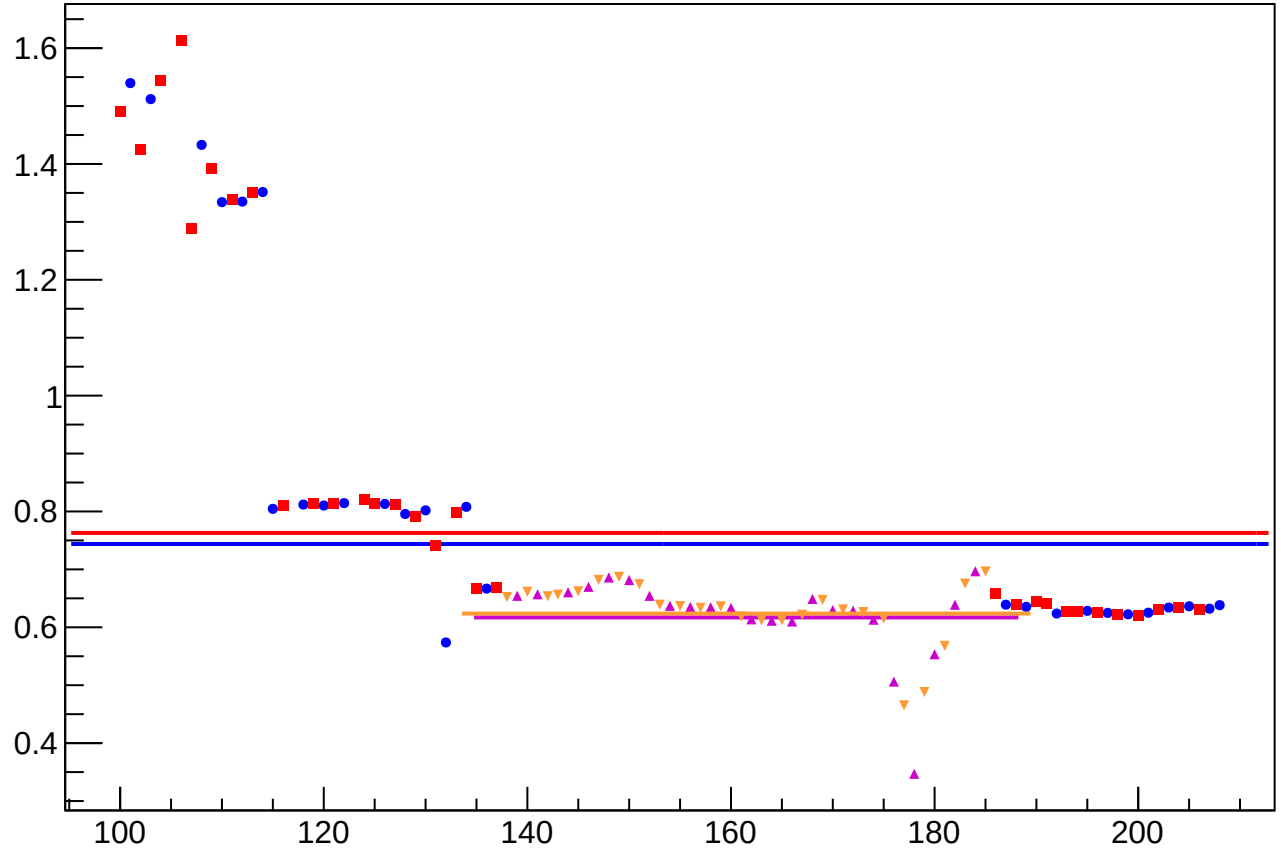
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 9681283.3/51

All: 0.020+/-0.000 χ^2/NDF: 20249402.1/105

- sign 0.021+/-0.000 χ^2/NDF: 10547629.9/53

yield_bpm4acY_mean vs Slug



Right In: 0.744+/-0.000 χ^2/NDF: 3861769727.5/26

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.763+/-0.000 χ^2/NDF: 4177730294.9/30

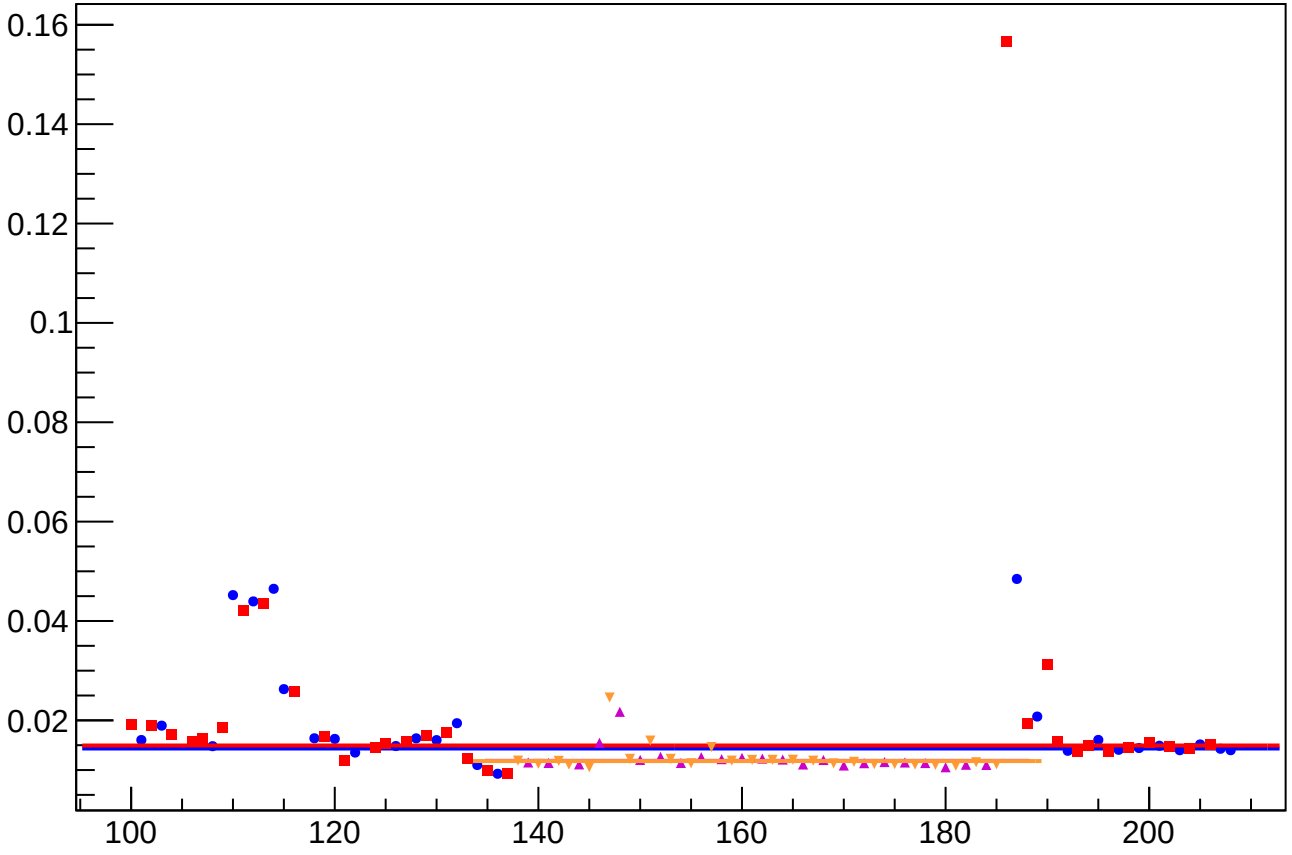
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.664+/-0.000 χ^2/NDF: 4910876899.6/51

All: 0.665+/-0.000 χ^2/NDF: 10638868343.4/1

- sign 0.667+/-0.000 χ^2/NDF: 5727555801.9/53

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1953718.5/26

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2389671.9/30

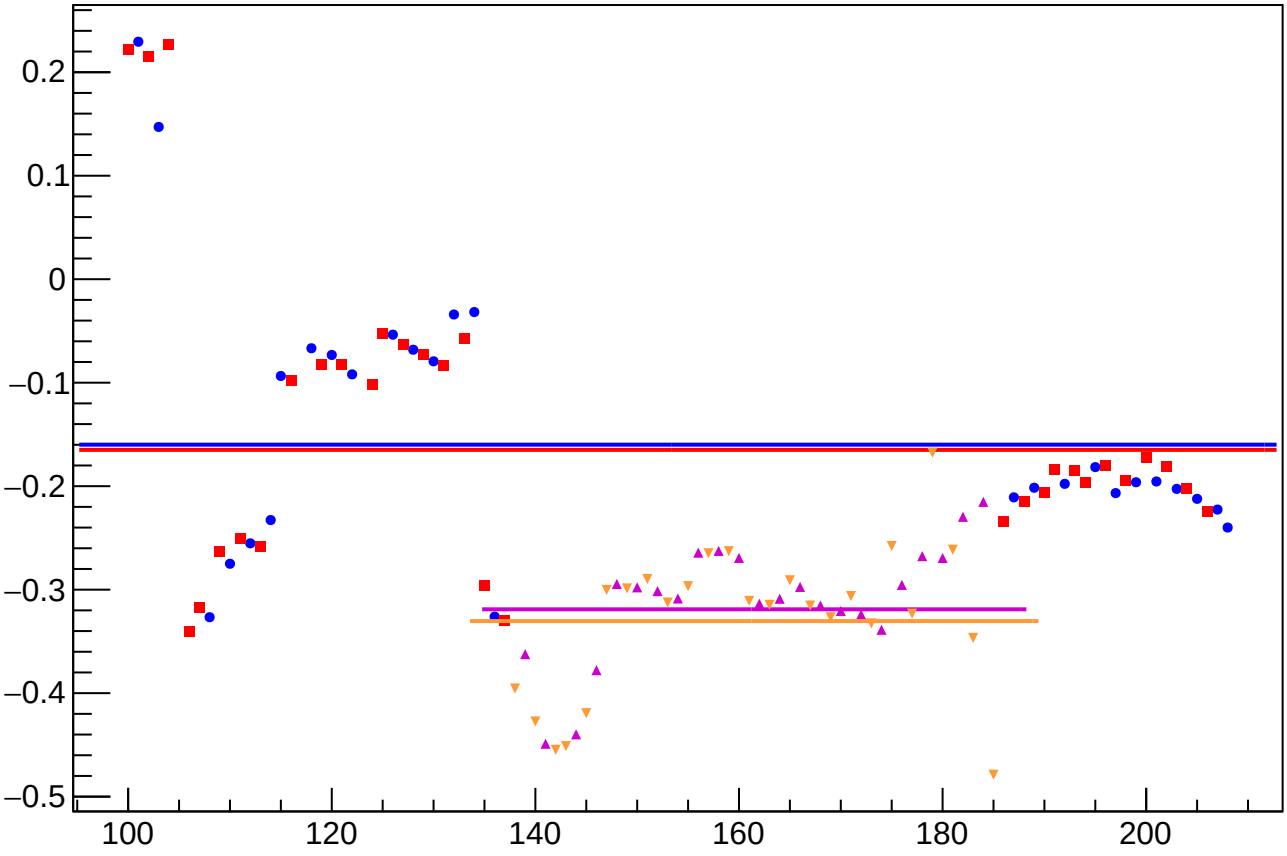
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.013+/-0.000 χ^2/NDF: 3203609.7/51

All: 0.013+/-0.000 χ^2/NDF: 6925702.2/105

- sign 0.013+/-0.000 χ^2/NDF: 3711764.3/53

yield_bpm4ecX_mean vs Slug



Right In: -0.160+/-0.000 χ^2/NDF: 281311115.1/26

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.165+/-0.000 χ^2/NDF: 199948252.4/30

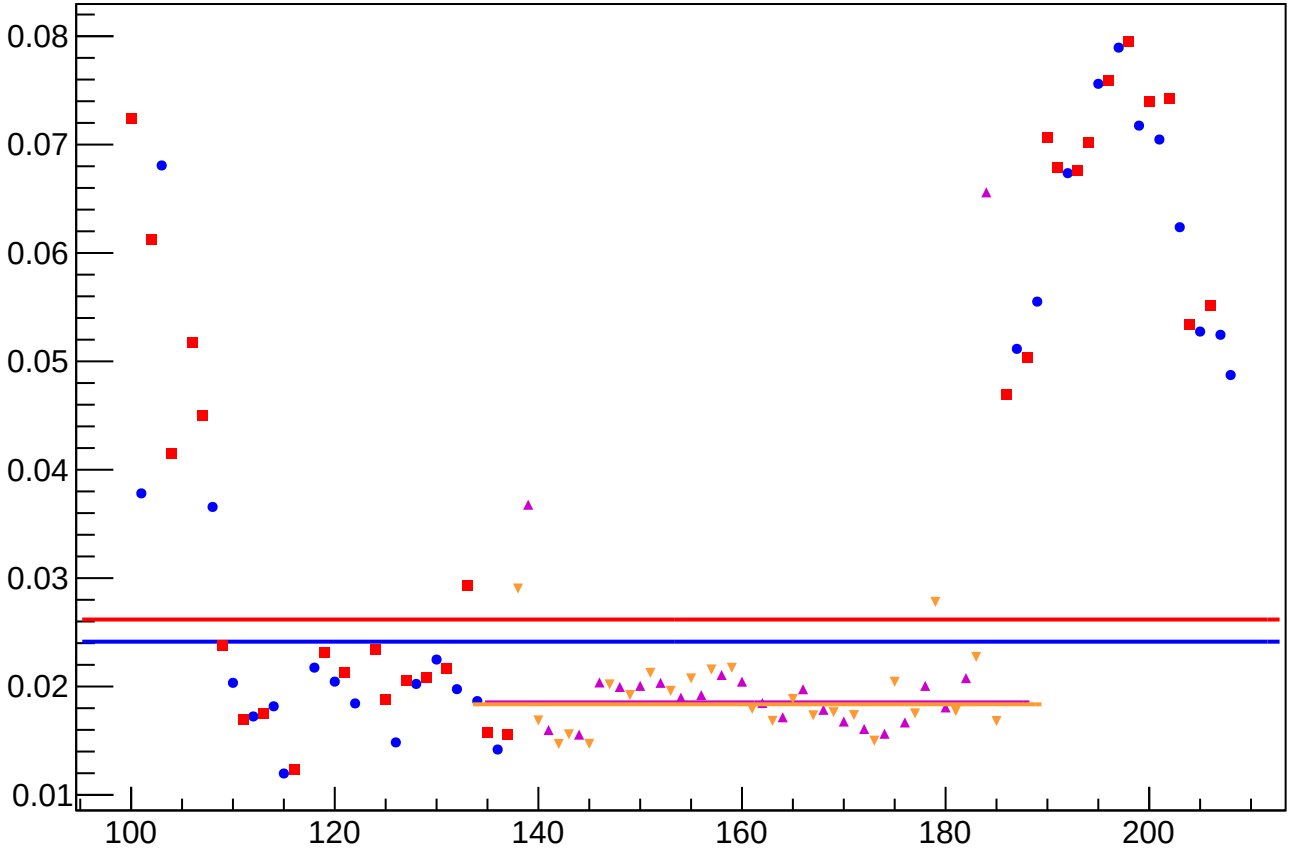
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.284+/-0.000 χ^2/NDF: 827443248.4/51

All: -0.281+/-0.000 χ^2/NDF: 1427913706.3/1

- sign -0.278+/-0.000 χ^2/NDF: 599432156.5/53

yield_bpm4ecX_rms vs Slug



Right In: 0.024+/-0.000 χ^2/NDF: 8494003.6/26

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.026+/-0.000 χ^2/NDF: 8613011.4/30

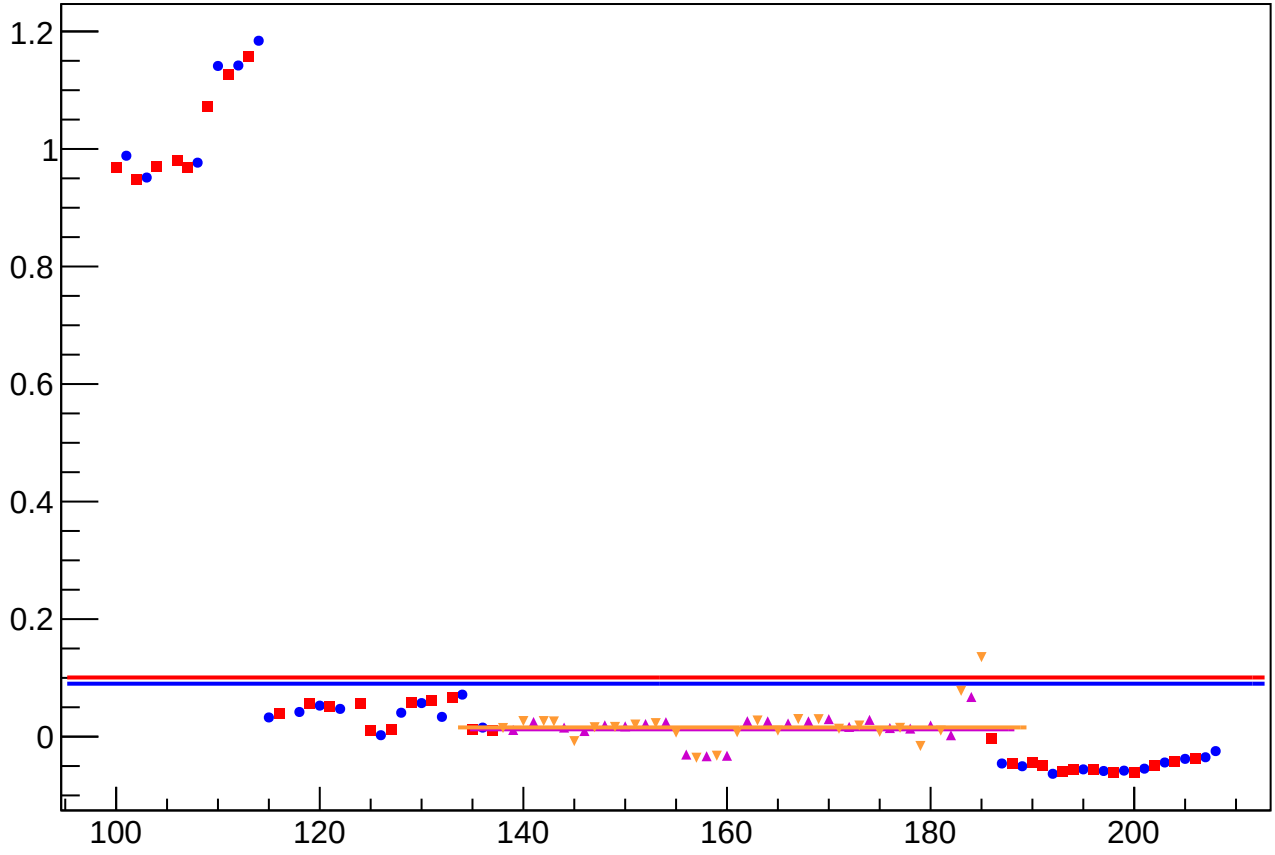
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.020+/-0.000 χ^2/NDF: 10066509.4/51

All: 0.020+/-0.000 χ^2/NDF: 20961522.9/105

- sign 0.021+/-0.000 χ^2/NDF: 10870455.1/53

yield_bpm4ecY_mean vs Slug



Right In: 0.090+/-0.000 χ^2/NDF: 8375321547.9/26

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.101+/-0.000 χ^2/NDF: 9107017066.7/30

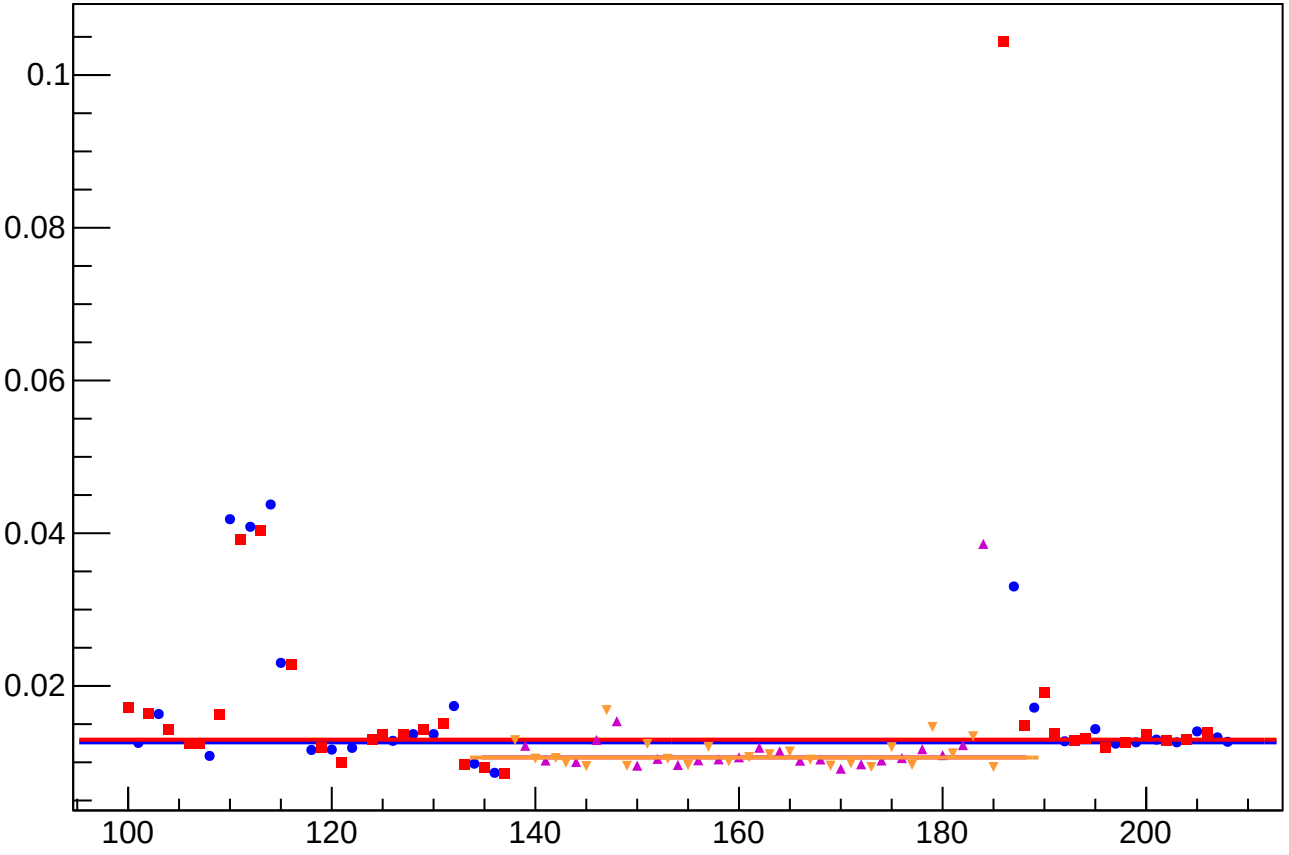
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.042+/-0.000 χ^2/NDF: 8793617773.5/51

All: 0.043+/-0.000 χ^2/NDF: 18383505847.0/1

- sign 0.044+/-0.000 χ^2/NDF: 9589371050.5/53

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1755873.3/26

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

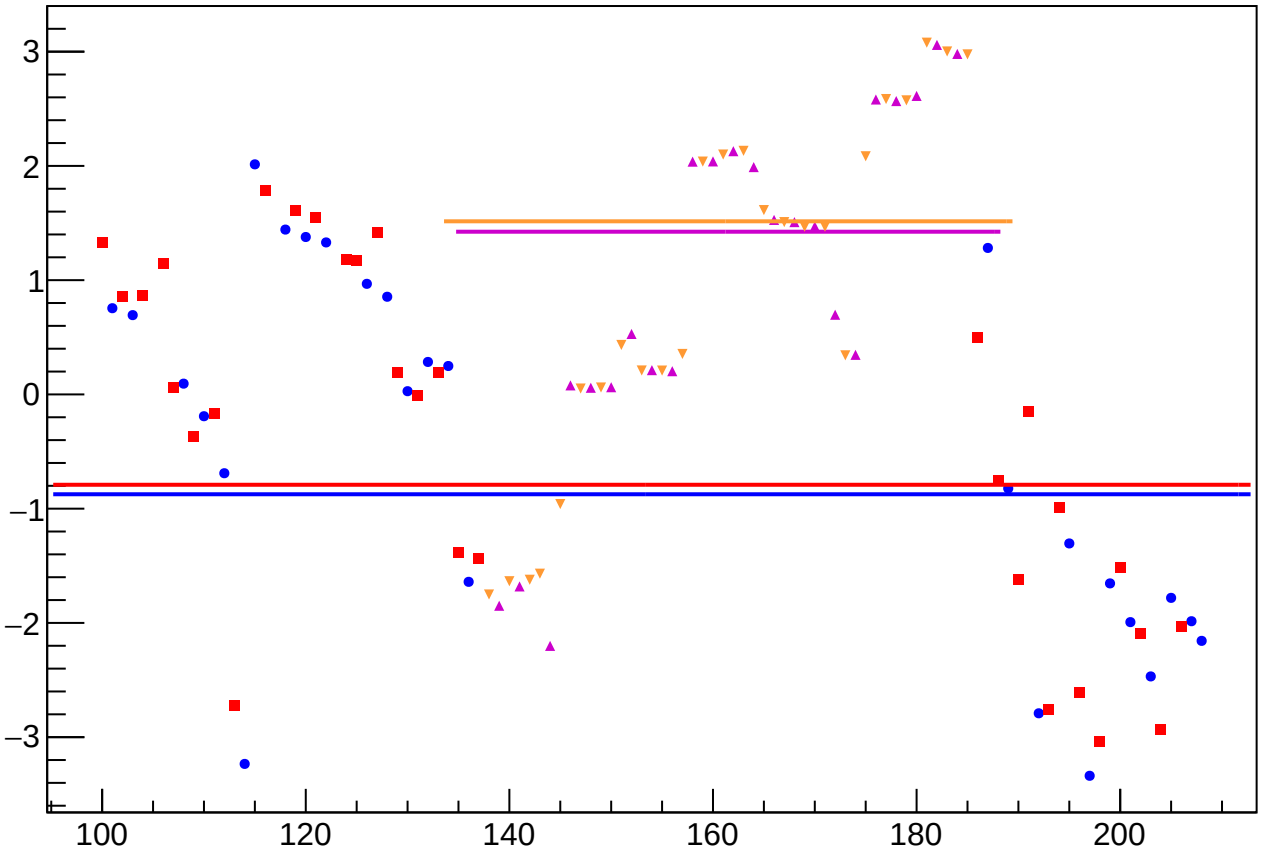
Right Out: 0.013+/-0.000 χ^2/NDF: 2120044.5/30

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 2826905.8/51

All: 0.011+/-0.000 χ^2/NDF: 6113927.9/105

- sign 0.011+/-0.000 χ^2/NDF: 3281593.7/53



Right In: -0.874+/-0.000 χ^2/NDF: 8582008632.5/26

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.791+/-0.000 χ^2/NDF: 8918862604.4/30

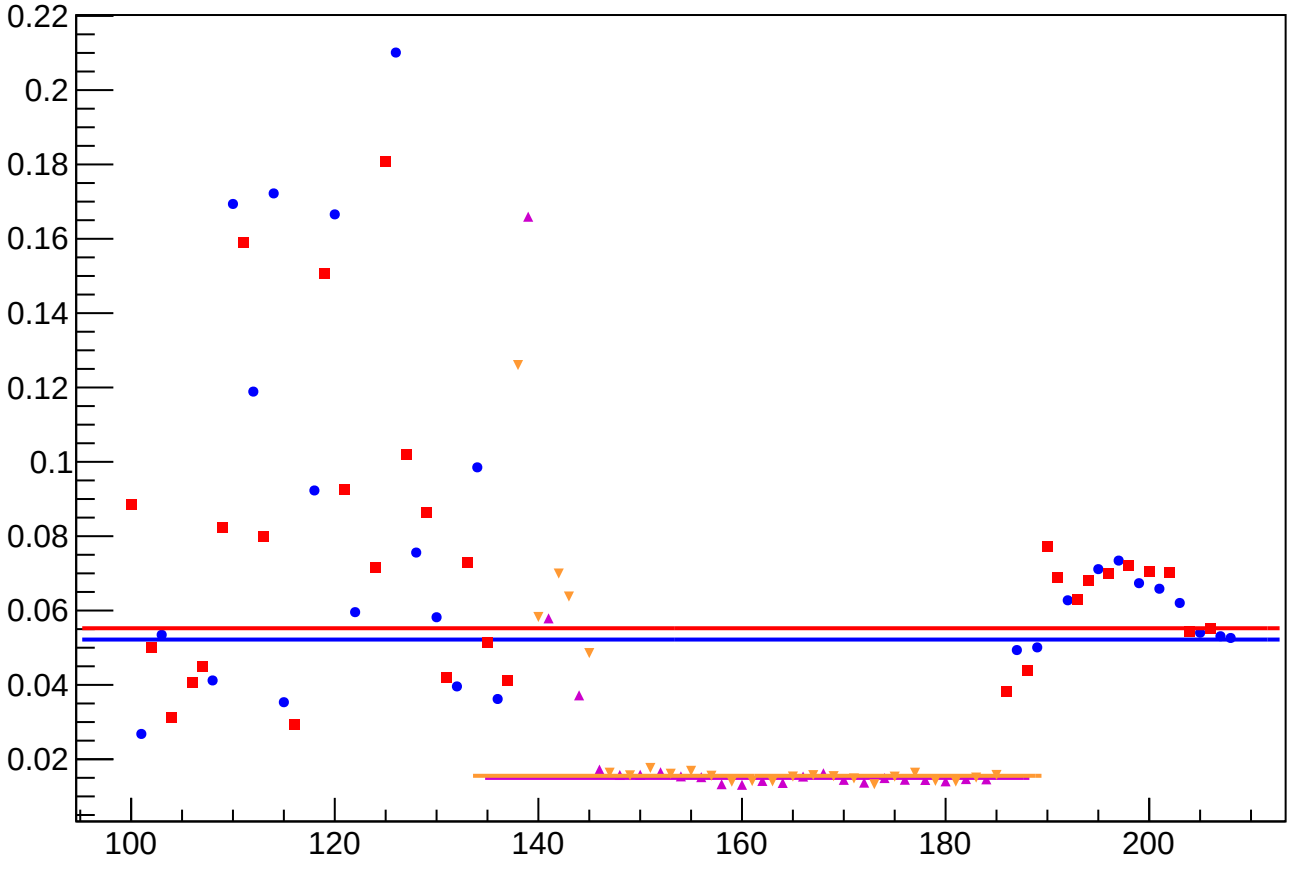
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.359+/-0.000 χ^2/NDF: 98931182071.6/51

All: 1.323+/-0.000 χ^2/NDF: 194817331605.0

- sign 1.288+/-0.000 χ^2/NDF: 95718216737.2/53

yield_bpm1X_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 3553767.2/26

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

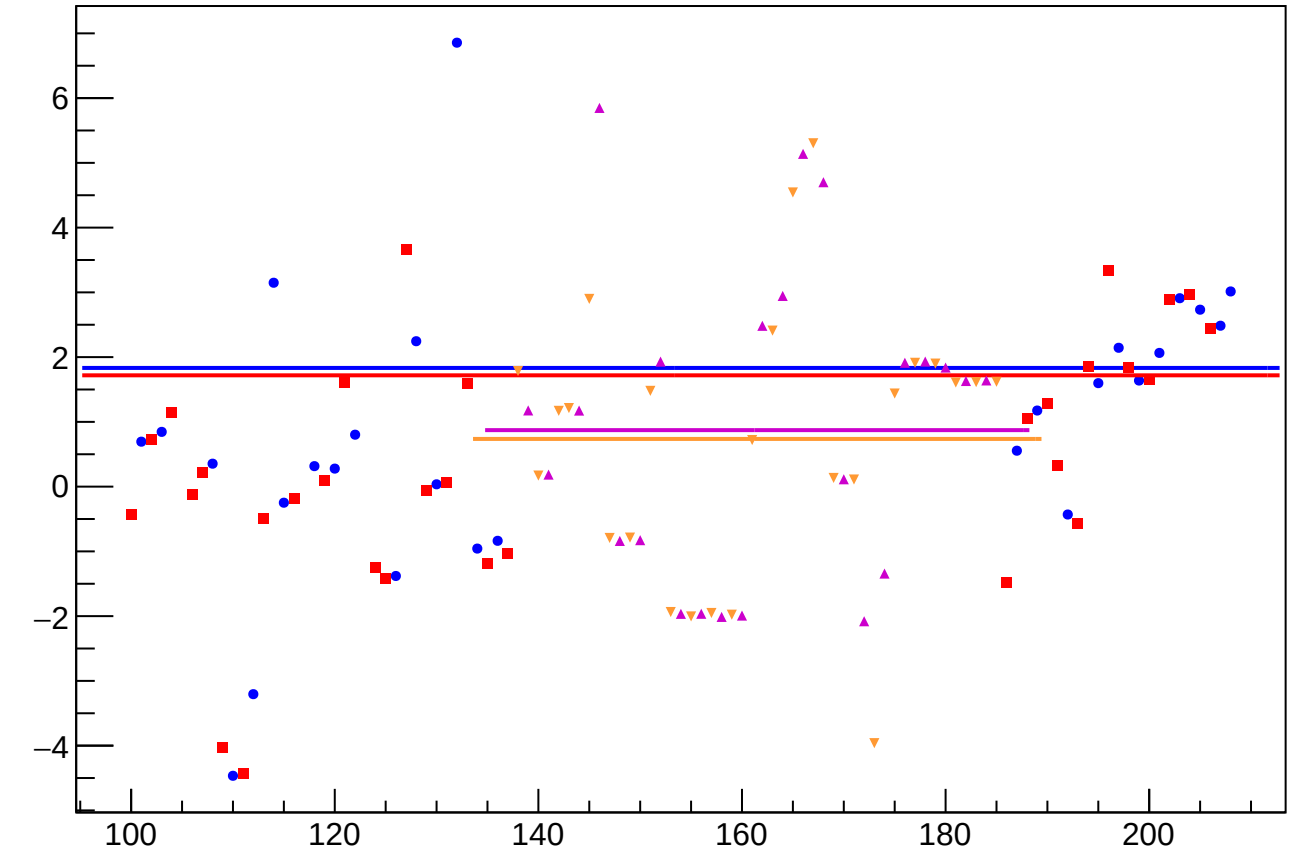
Right Out: 0.055+/-0.000 χ^2/NDF: 3141385.1/30

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

+ sign 0.018+/-0.000 χ^2/NDF: 17156481.9/51

All: 0.018+/-0.000 χ^2/NDF: 34890027.3/105

- sign 0.017+/-0.000 χ^2/NDF: 17718327.0/53



Right In: 1.833+/-0.000 χ^2/NDF: 38703790279.6/26

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.719+/-0.000 χ^2/NDF: 37533112033.2/30

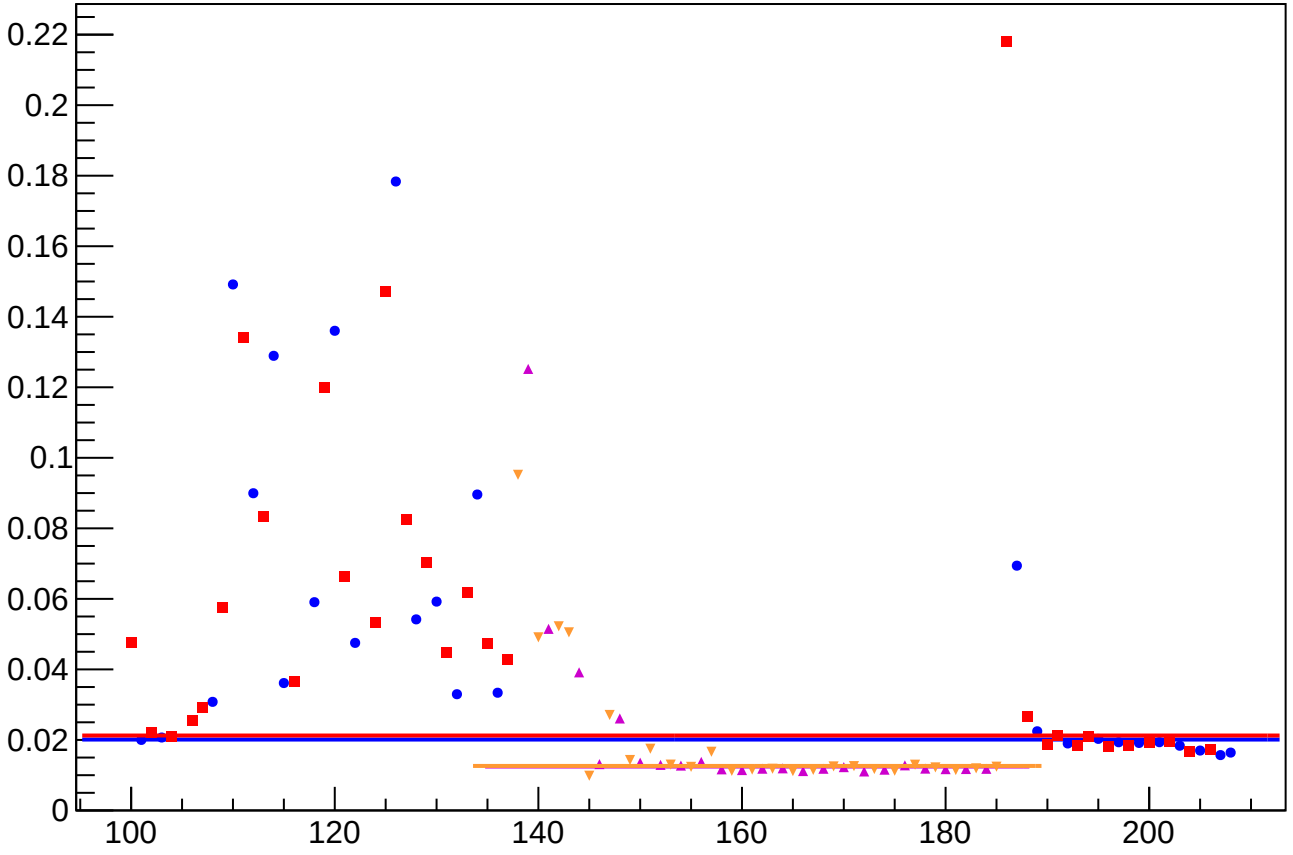
Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

+ sign 0.964+/-0.000 χ^2/NDF: 599409590052.0/51

All: 1.001+/-0.000 χ^2/NDF: 1271388942730.

- sign 1.039+/-0.000 χ^2/NDF: 671632539759.0/53

yield_bpm1Y_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF: 4394798.7/26

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.021+/-0.000 χ^2/NDF: 5324260.9/30

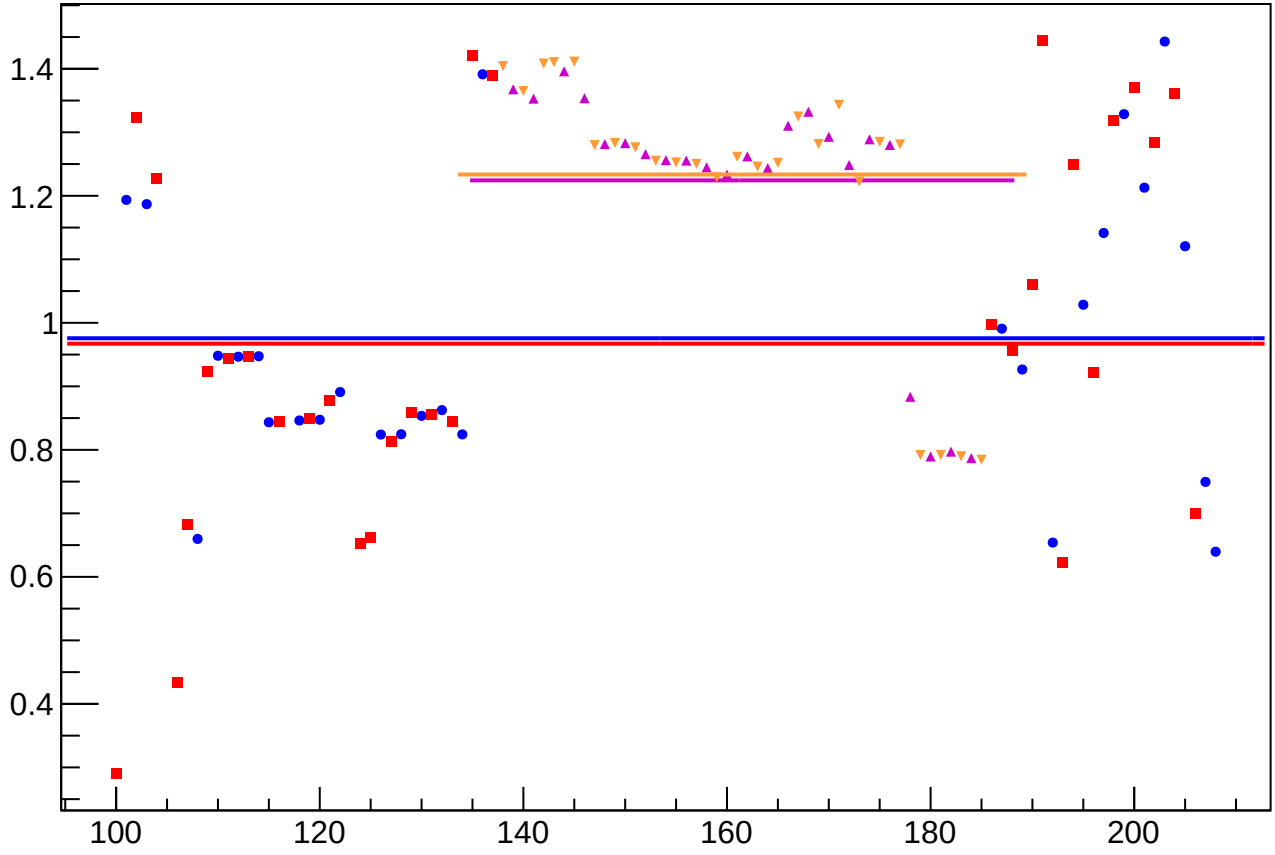
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 9891087.8/51

All: 0.014+/-0.000 χ^2/NDF: 20979987.9/105

- sign 0.014+/-0.000 χ^2/NDF: 11088890.6/53

yield_bpm11X_mean vs Slug



Right In: 0.976+/-0.000 χ^2/NDF: 1971512295.7/26

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.967+/-0.000 χ^2/NDF: 2325606278.0/30

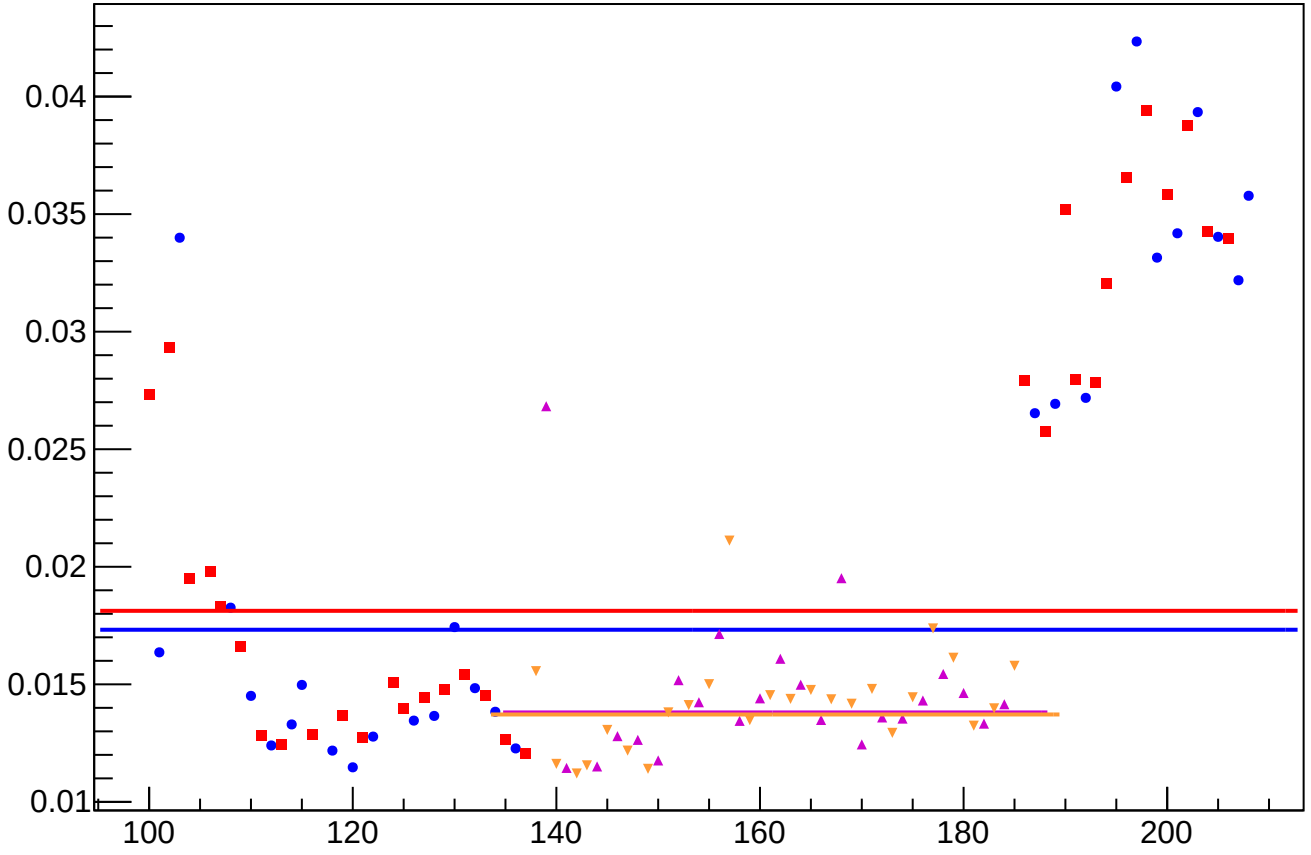
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.155+/-0.000 χ^2/NDF: 6841381218.5/51

All: 1.150+/-0.000 χ^2/NDF: 13581467786.6/1

- sign 1.144+/-0.000 χ^2/NDF: 6732856694.5/53

yield_bpm11X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 5230958.0/26

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

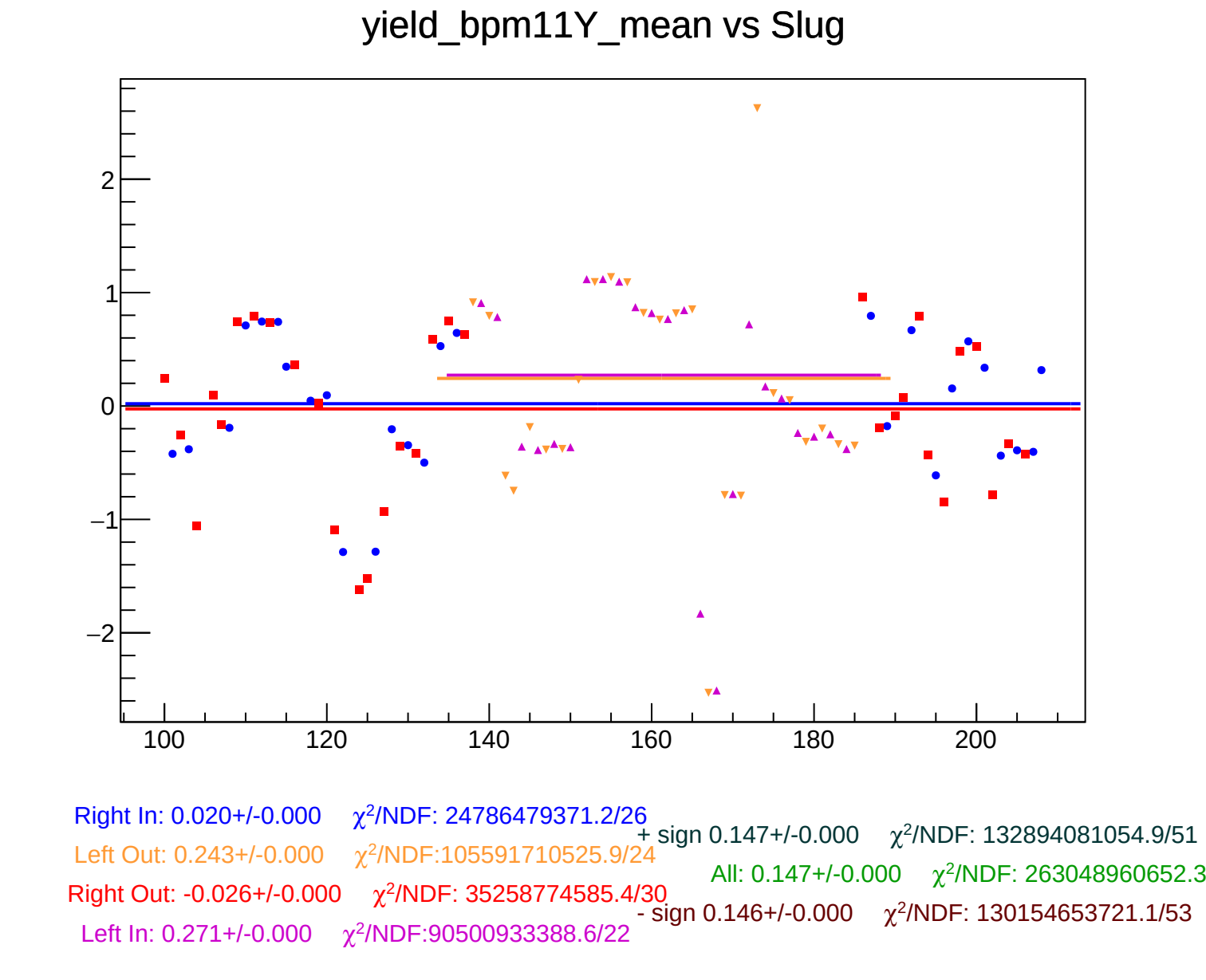
Right Out: 0.018+/-0.000 χ^2/NDF: 4767913.3/30

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

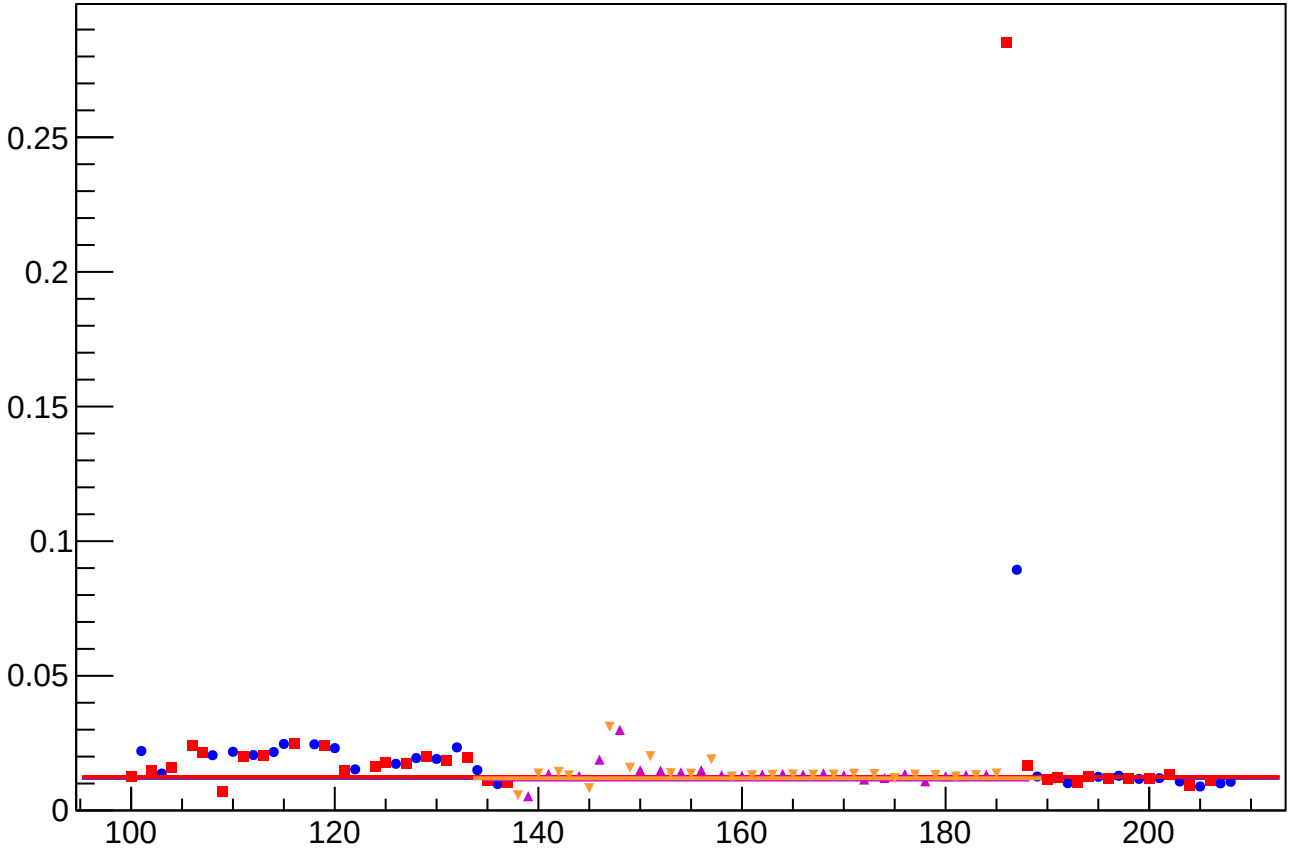
+ sign 0.015+/-0.000 χ^2/NDF: 6495364.5/51

All: 0.015+/-0.000 χ^2/NDF: 13138185.4/105

- sign 0.015+/-0.000 χ^2/NDF: 6628731.9/53


yield_bpm11Y_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.020+/-0.000 χ²/NDF: 24786479371.2/26
Left Out: 0.243+/-0.000 χ²/NDF:105591710525.9/24
Right Out: -0.026+/-0.000 χ²/NDF: 35258774585.4/30
Left In: 0.271+/-0.000 χ²/NDF:90500933388.6/22
+ sign 0.147+/-0.000 χ²/NDF: 132894081054.9/51
All: 0.147+/-0.000 χ²/NDF: 263048960652.3
- sign 0.146+/-0.000 χ²/NDF: 130154653721.1/53

yield_bpm11Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2538790.8/26

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

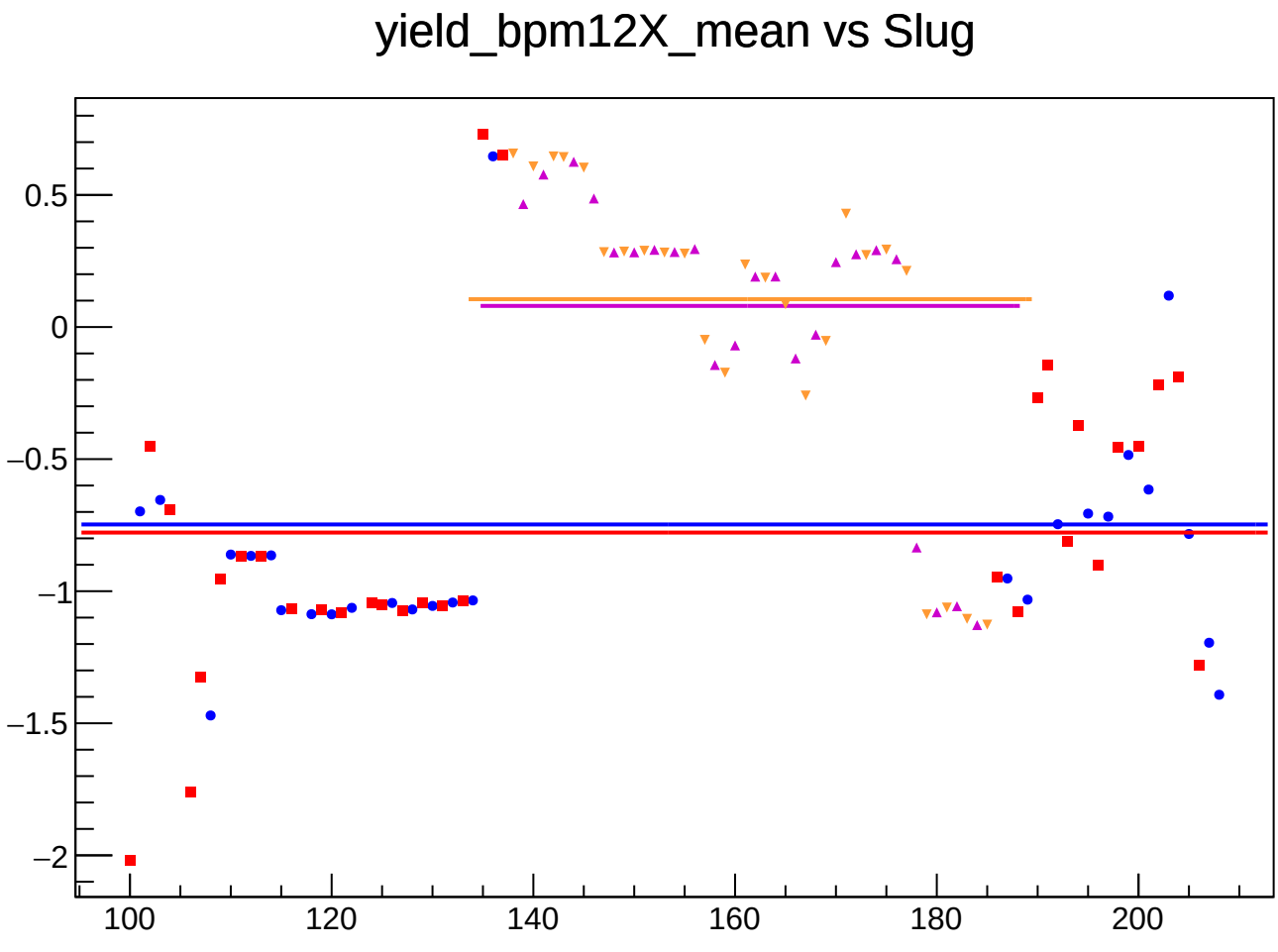
Right Out: 0.012+/-0.000 χ^2/NDF: 2884640.0/30

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 5808235.9/51

All: 0.012+/-0.000 χ^2/NDF: 12454195.1/105

- sign 0.012+/-0.000 χ^2/NDF: 6641447.0/53



Right In: -0.747+/-0.000 χ^2/NDF: 2238255598.3/26

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.778+/-0.000 χ^2/NDF: 2104951806.6/30

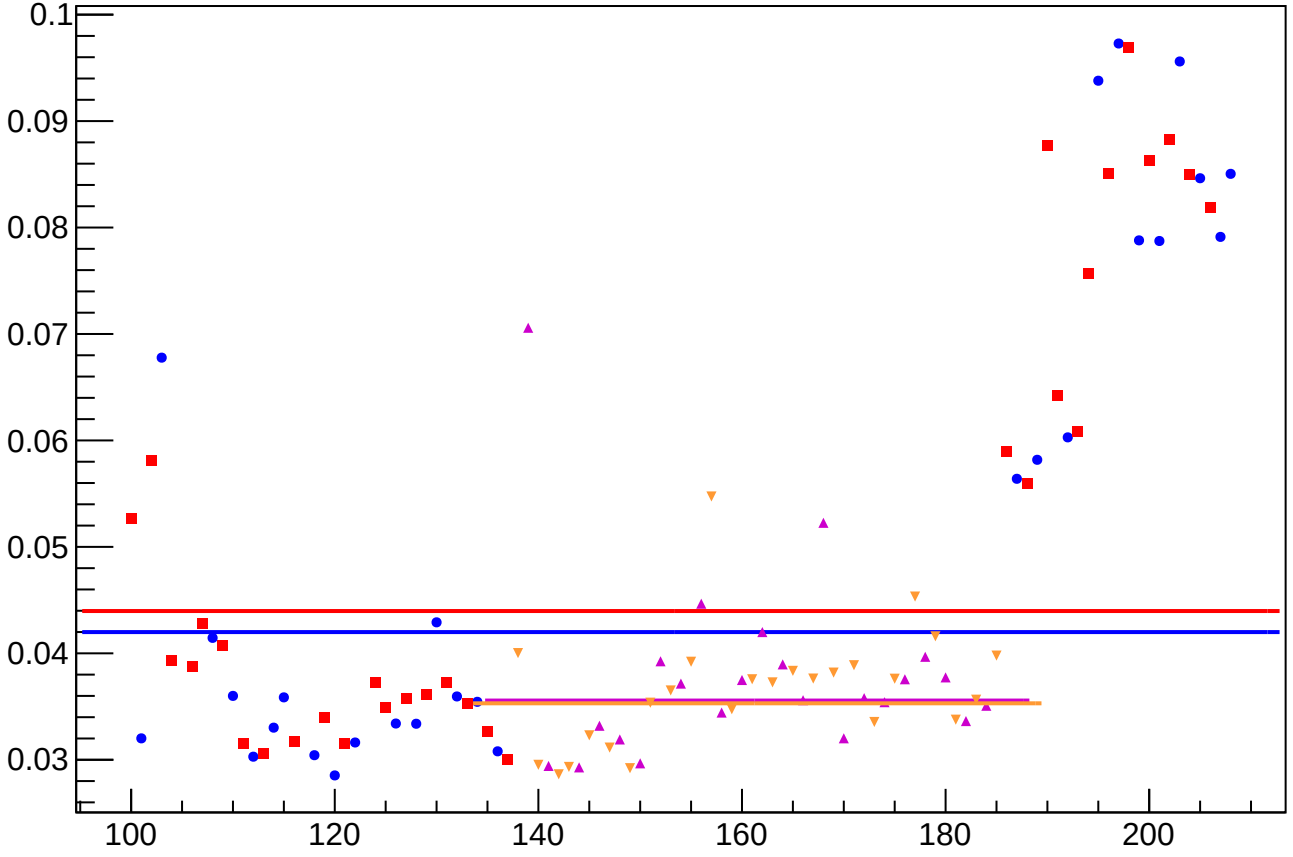
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.183+/-0.000 χ^2/NDF: 9345134522.2/51

All: -0.199+/-0.000 χ^2/NDF: 17958334865.2/

- sign -0.216+/-0.000 χ^2/NDF: 8602645920.4/53

yield_bpm12X_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 4860838.3/26

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.044+/-0.000 χ^2/NDF: 4248330.1/30

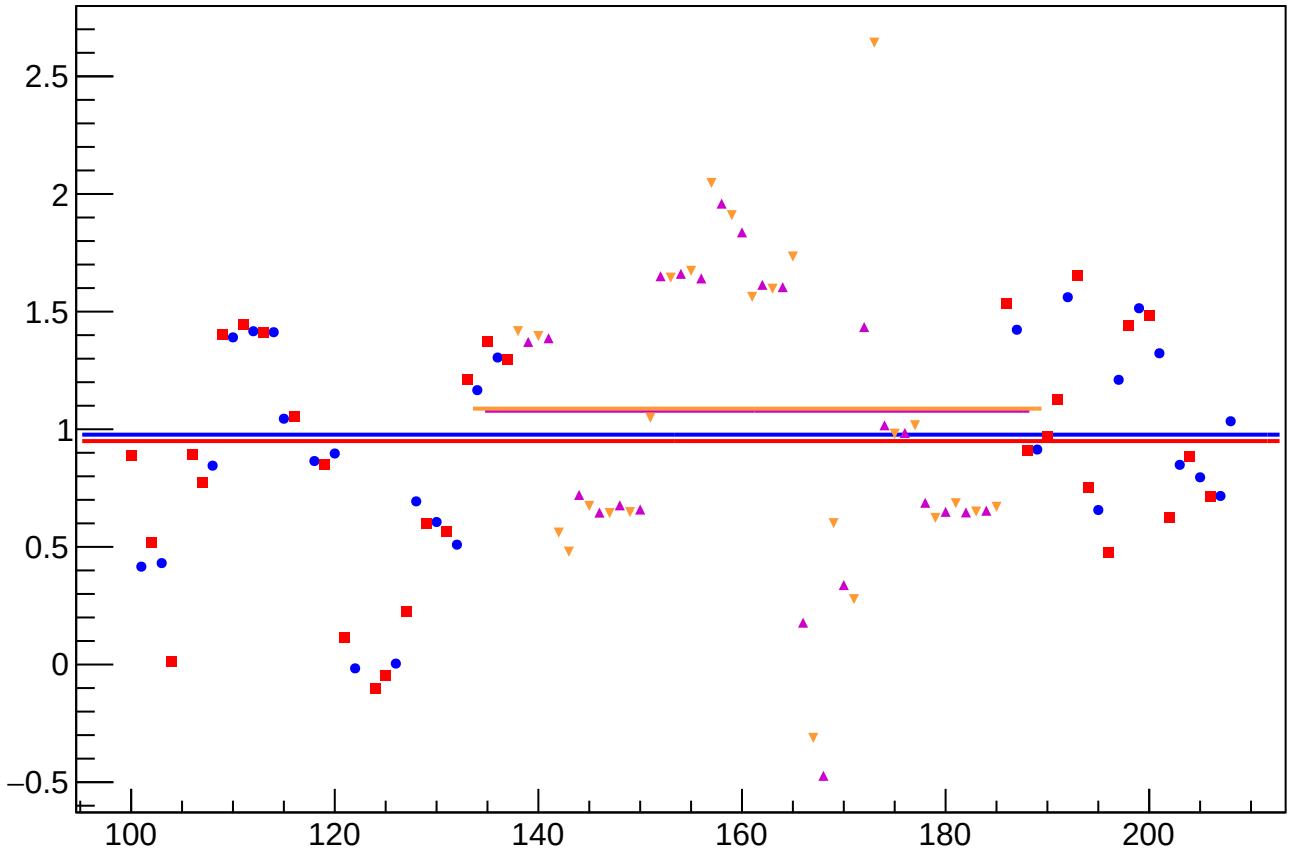
Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.038+/-0.000 χ^2/NDF: 5882354.5/51

All: 0.038+/-0.000 χ^2/NDF: 11727224.4/105

- sign 0.038+/-0.000 χ^2/NDF: 5828975.8/53

yield_bpm12Y_mean vs Slug



Right In: 0.977+/-0.000 χ^2/NDF: 29182272512.5/26

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.950+/-0.000 χ^2/NDF: 36658696227.4/30

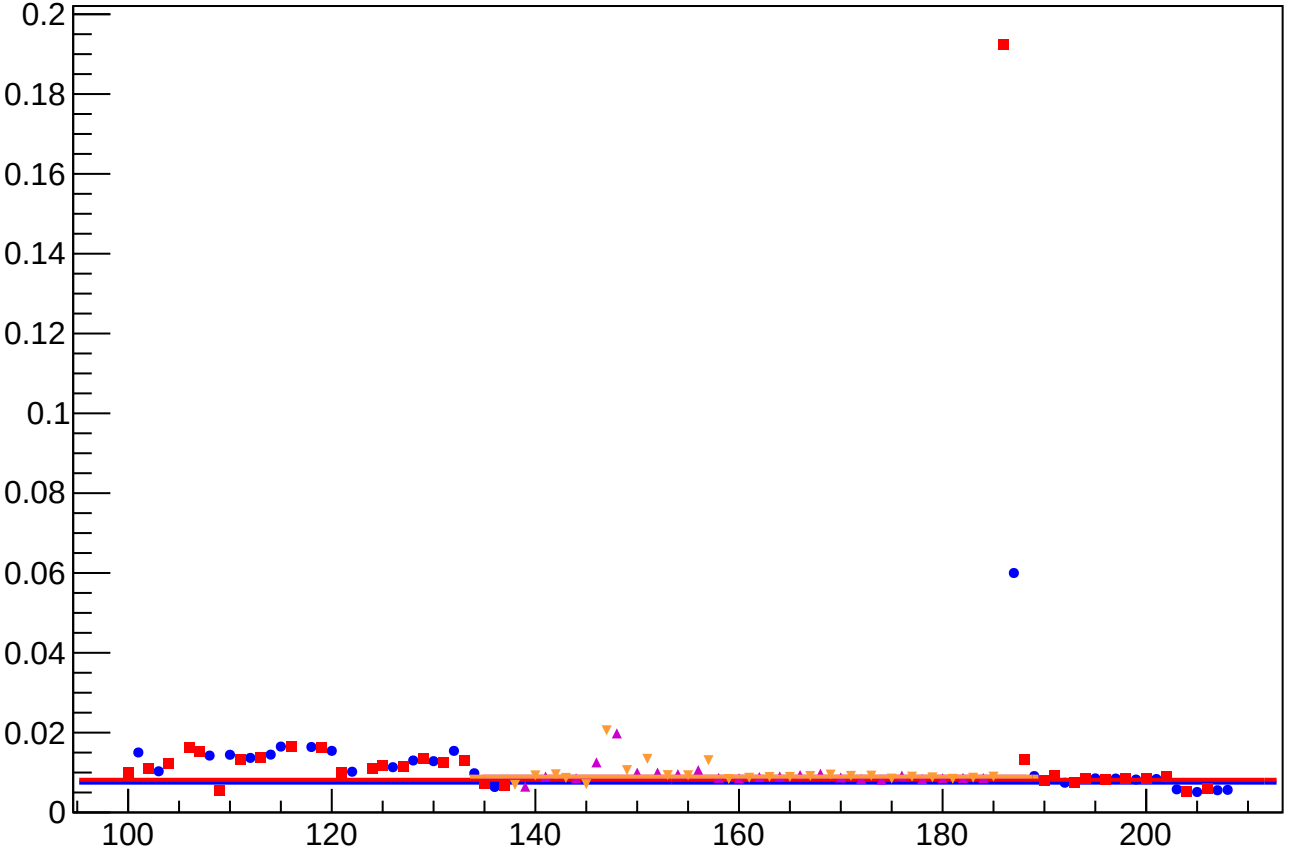
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.031+/-0.000 χ^2/NDF: 124429853883.4/51

All: 1.024+/-0.000 χ^2/NDF: 236924181520.4

- sign 1.016+/-0.000 χ^2/NDF: 112444875291.7/53

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3500818.4/26

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3465877.0/30

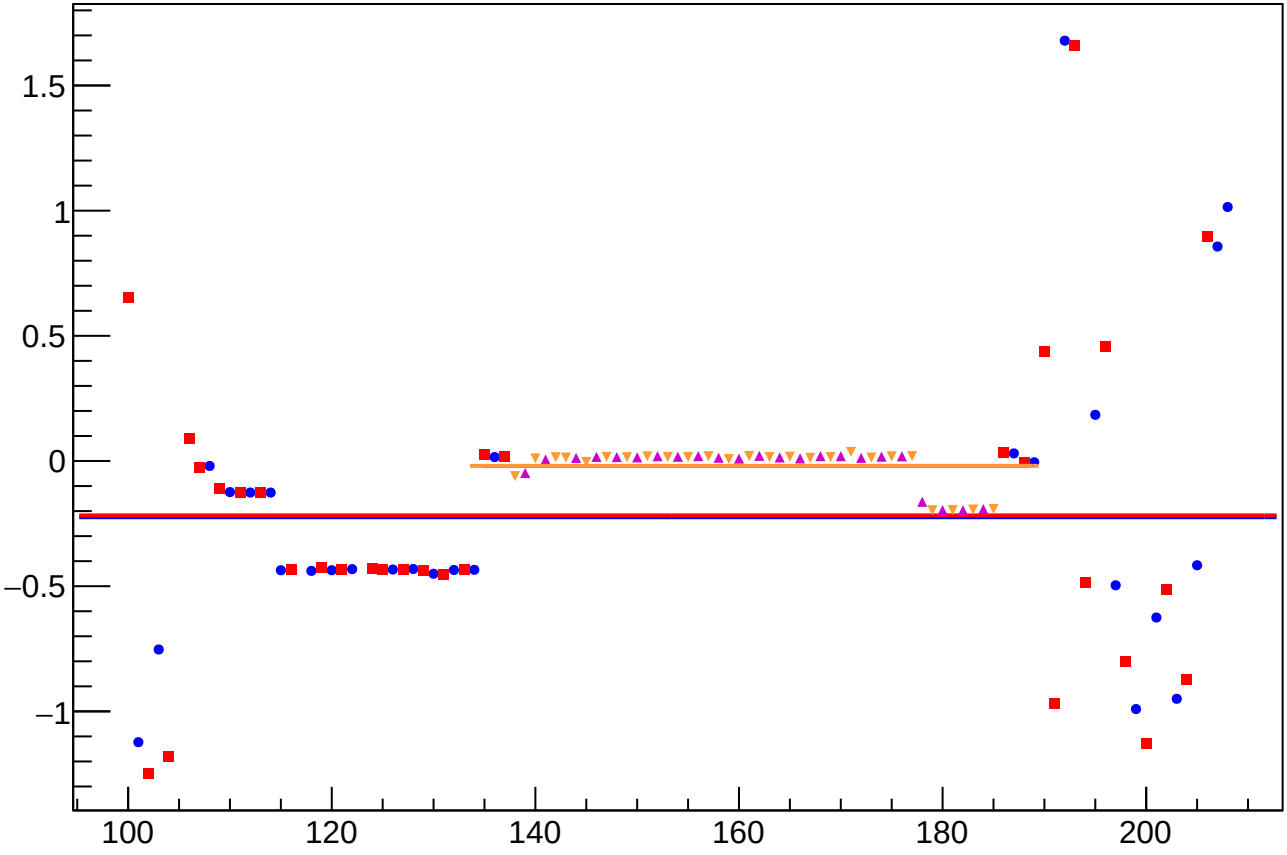
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 5165053.8/51

All: 0.008+/-0.000 χ^2/NDF: 9776201.0/105

- sign 0.009+/-0.000 χ^2/NDF: 4550942.6/53

yield_bpm16X_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF: 4408857336.0/26

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.217+/-0.000 χ^2/NDF: 3539059659.1/30

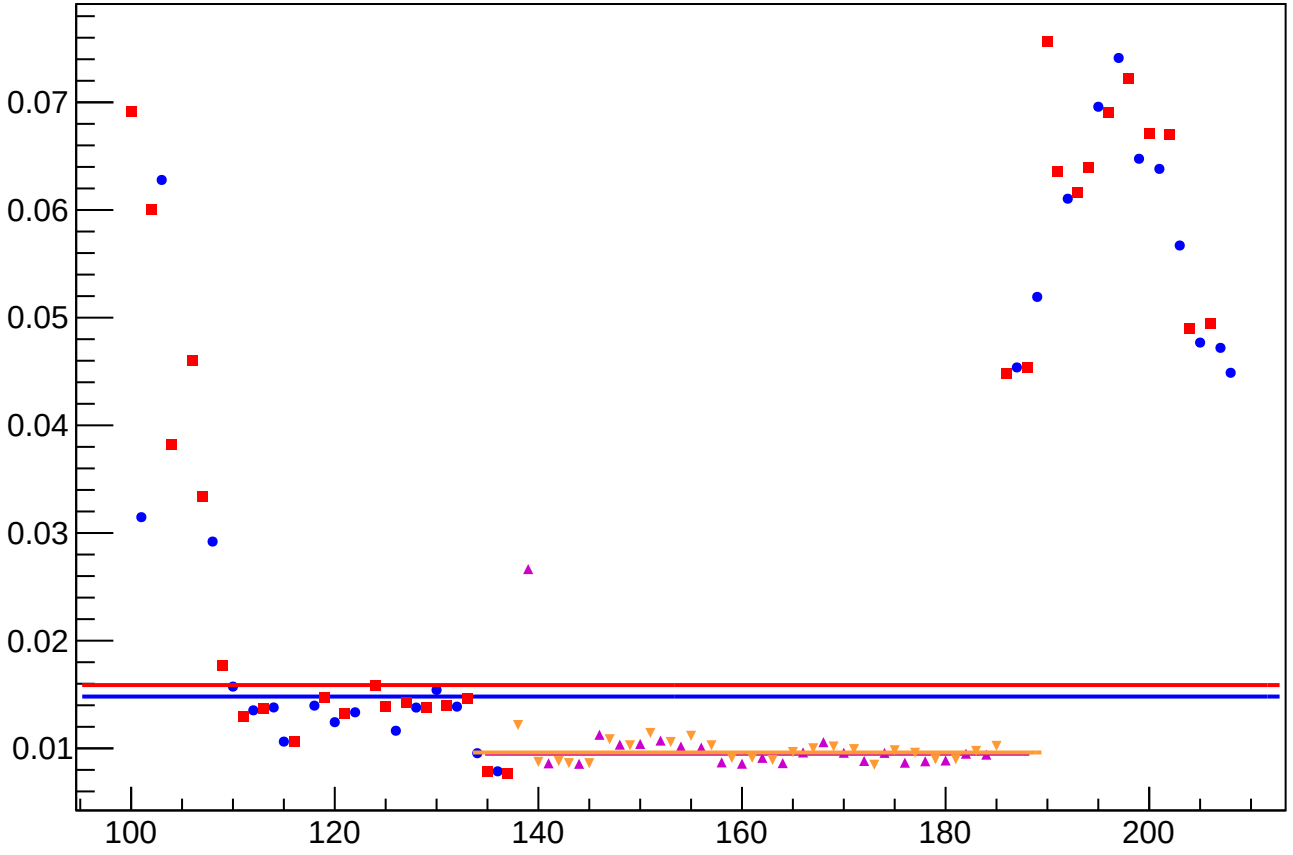
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.056+/-0.000 χ^2/NDF: 6787122067.8/51

All: -0.055+/-0.000 χ^2/NDF: 12420267189.9/

- sign -0.053+/-0.000 χ^2/NDF: 5632639341.1/53

yield_bpm16X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 11503332.4/26

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

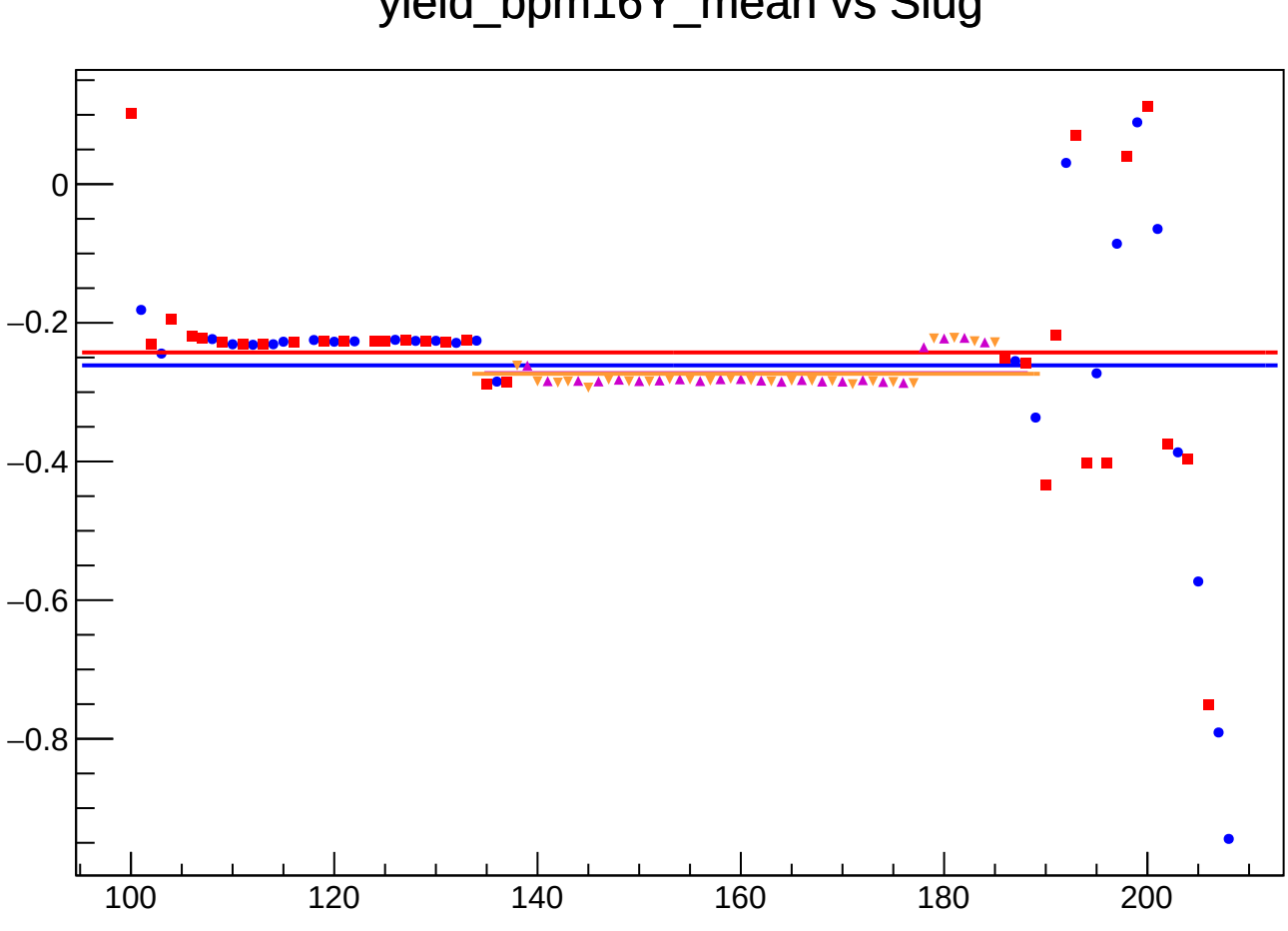
Right Out: 0.016+/-0.000 χ^2/NDF: 12023745.3/30

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

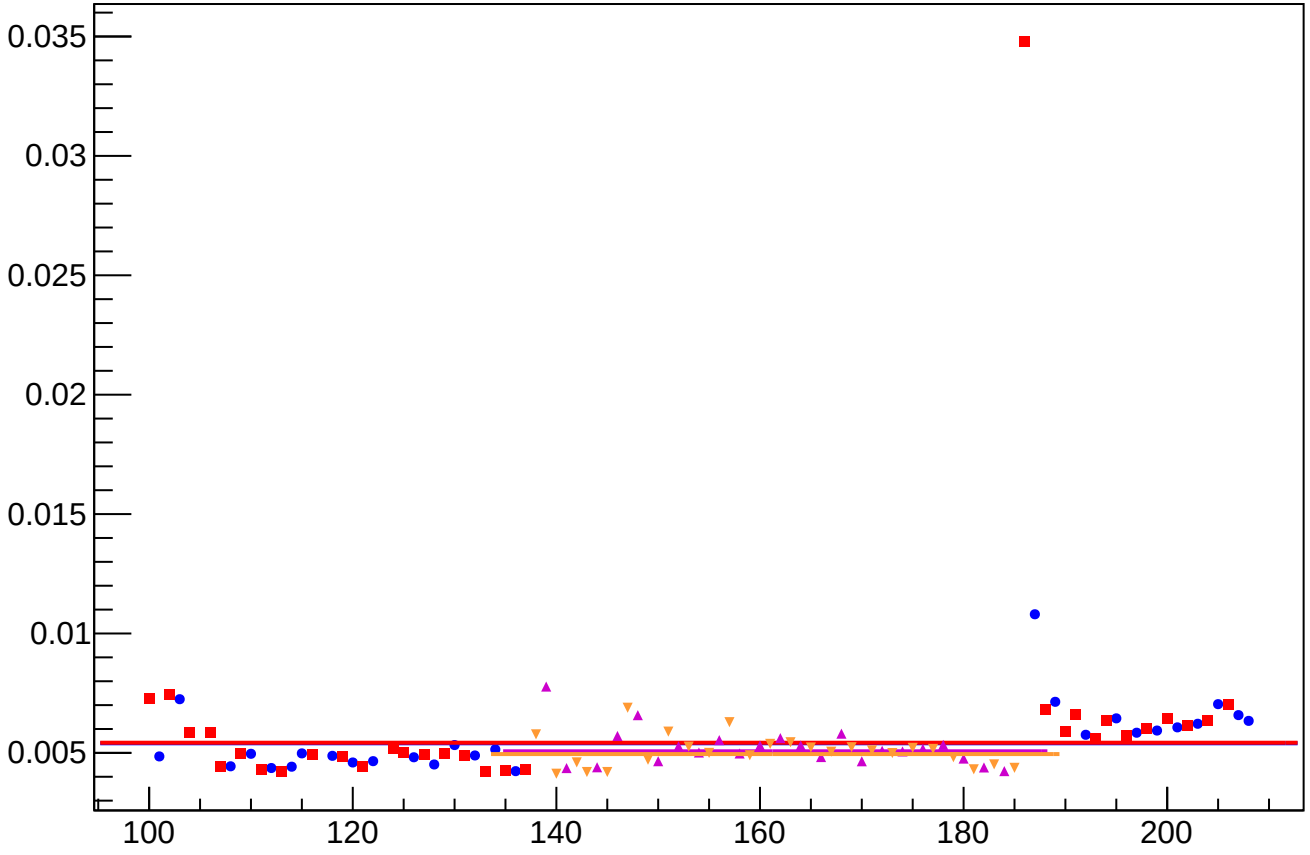
+ sign 0.011+/-0.000 χ^2/NDF: 13469884.4/51

All: 0.011+/-0.000 χ^2/NDF: 28715947.1/105

- sign 0.011+/-0.000 χ^2/NDF: 15245716.7/53


yield_bpm16Y_mean vs Slug
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: -0.261+/-0.000 χ²/NDF: 24342635149.0/26
Left Out: -0.274+/-0.000 χ²/NDF:395563277.1/24
Right Out: -0.243+/-0.000 χ²/NDF: 14371152570.9/30
Left In: -0.273+/-0.000 χ²/NDF:335149425.2/22
+ sign -0.269+/-0.000 χ²/NDF: 24781769801.4/51
All: -0.264+/-0.000 χ²/NDF: 39789364108.6/
- sign -0.260+/-0.000 χ²/NDF: 14961195311.6/53

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 867992.7/26

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

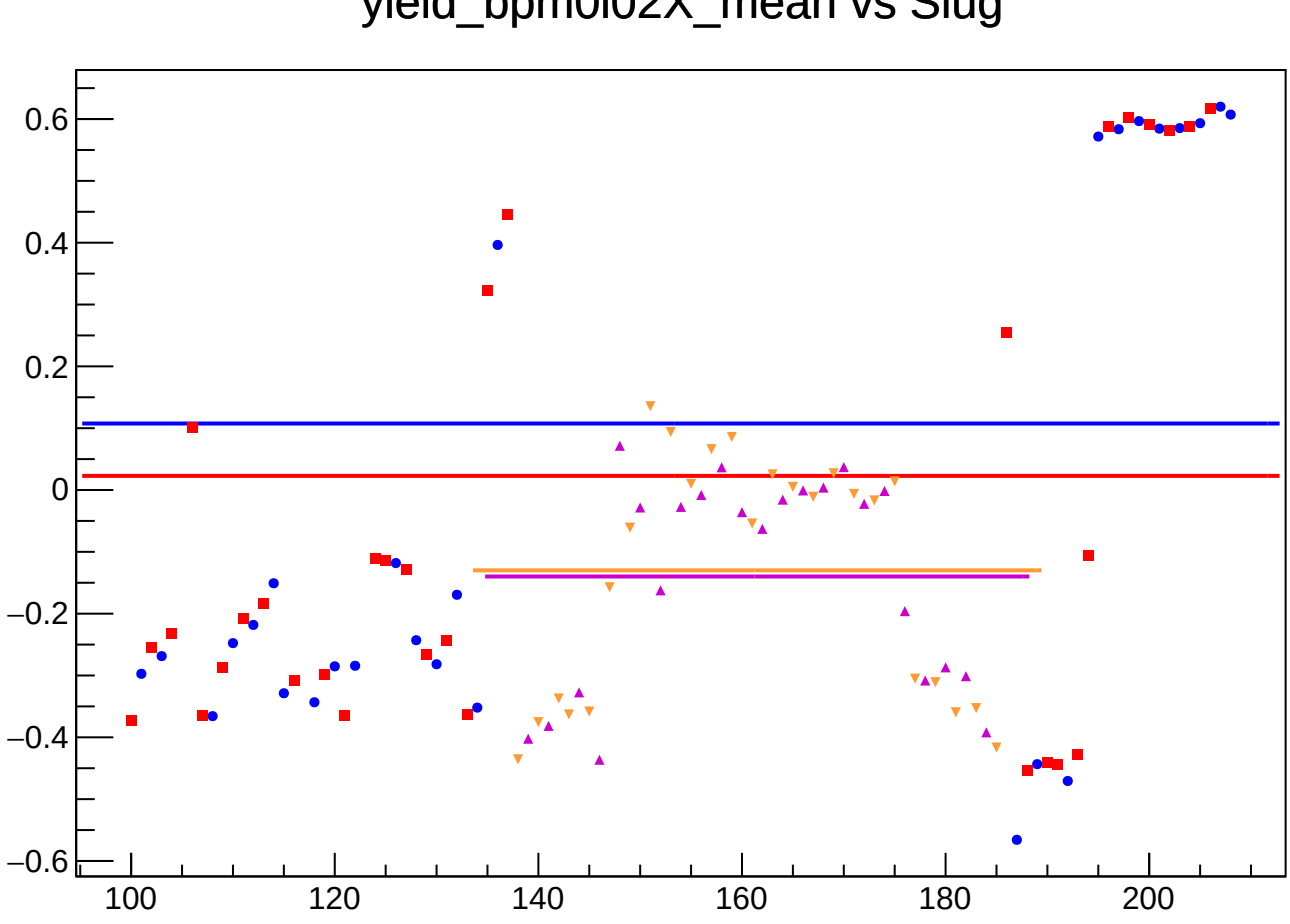
Right Out: 0.005+/-0.000 χ^2/NDF: 1416933.3/30

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 1516554.1/51

All: 0.005+/-0.000 χ^2/NDF: 3556038.8/105

- sign 0.005+/-0.000 χ^2/NDF: 2029826.8/53



Right In: 0.108+/-0.000 χ^2/NDF: 65184652037.3/26

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

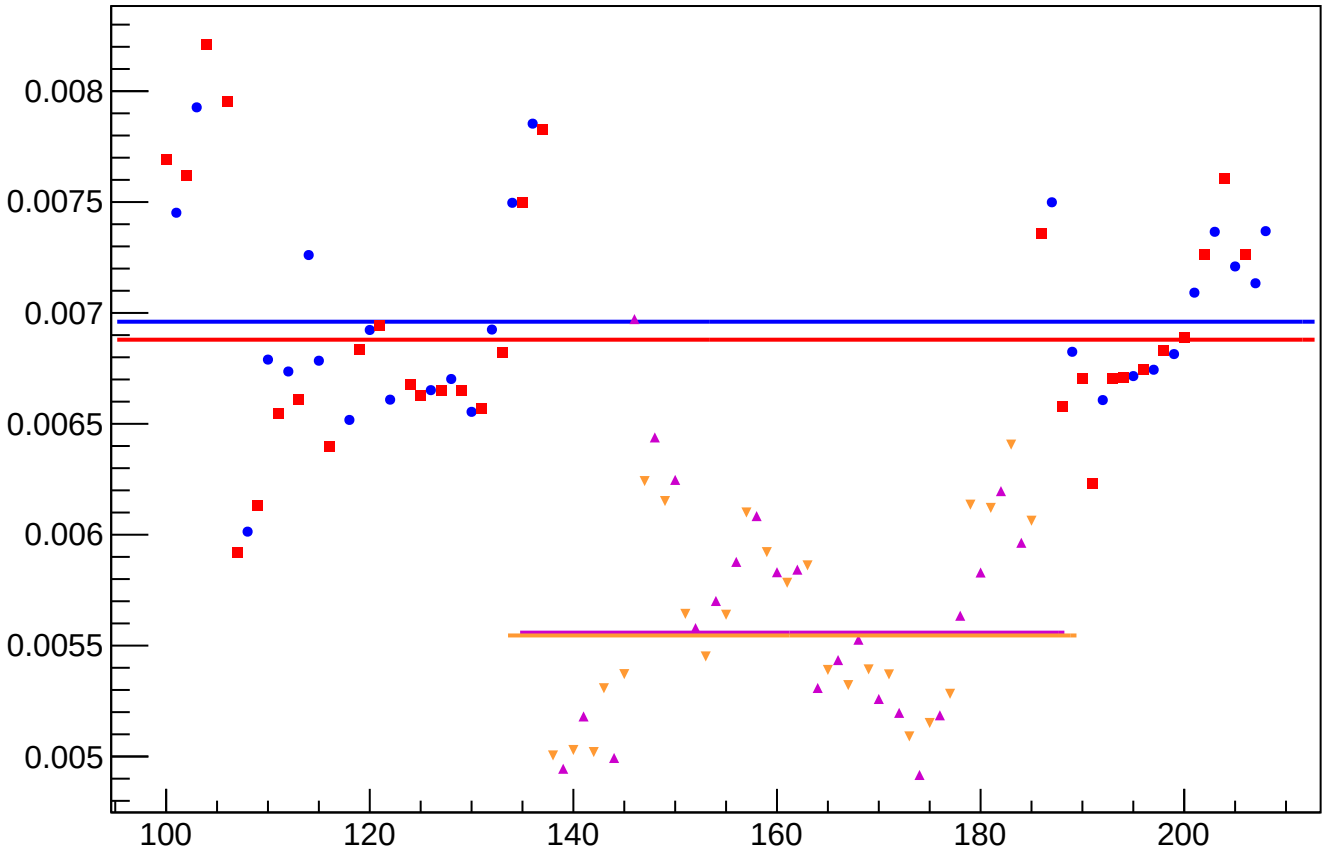
Right Out: 0.023+/-0.000 χ^2/NDF: 59249688177.1/30

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.047+/-0.000 χ^2/NDF: 98440572906.9/51

All: -0.063+/-0.000 χ^2/NDF: 178877296235.1

- sign -0.078+/-0.000 χ^2/NDF: 79985589425.6/53



Right In: 0.007+/-0.000 χ^2/NDF: 112002.4/26

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

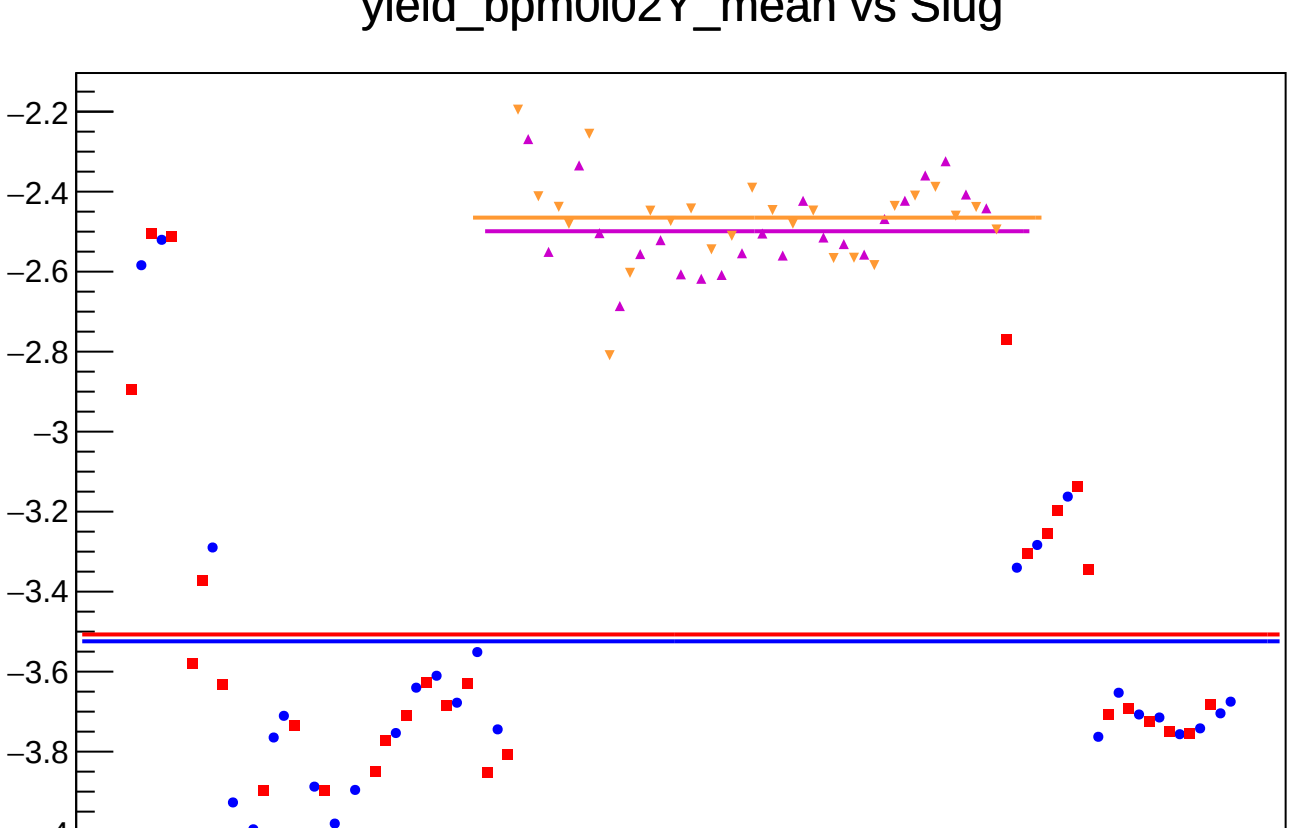
Right Out: 0.007+/-0.000 χ^2/NDF: 142044.3/30

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 1148500.0/51

All: 0.006+/-0.000 χ^2/NDF: 2287990.8/105

- sign 0.006+/-0.000 χ^2/NDF: 1139235.6/53



Right In: -3.524+/-0.000 χ^2/NDF: 32809799546.8/26

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.507+/-0.000 χ^2/NDF: 34578968177.0/30

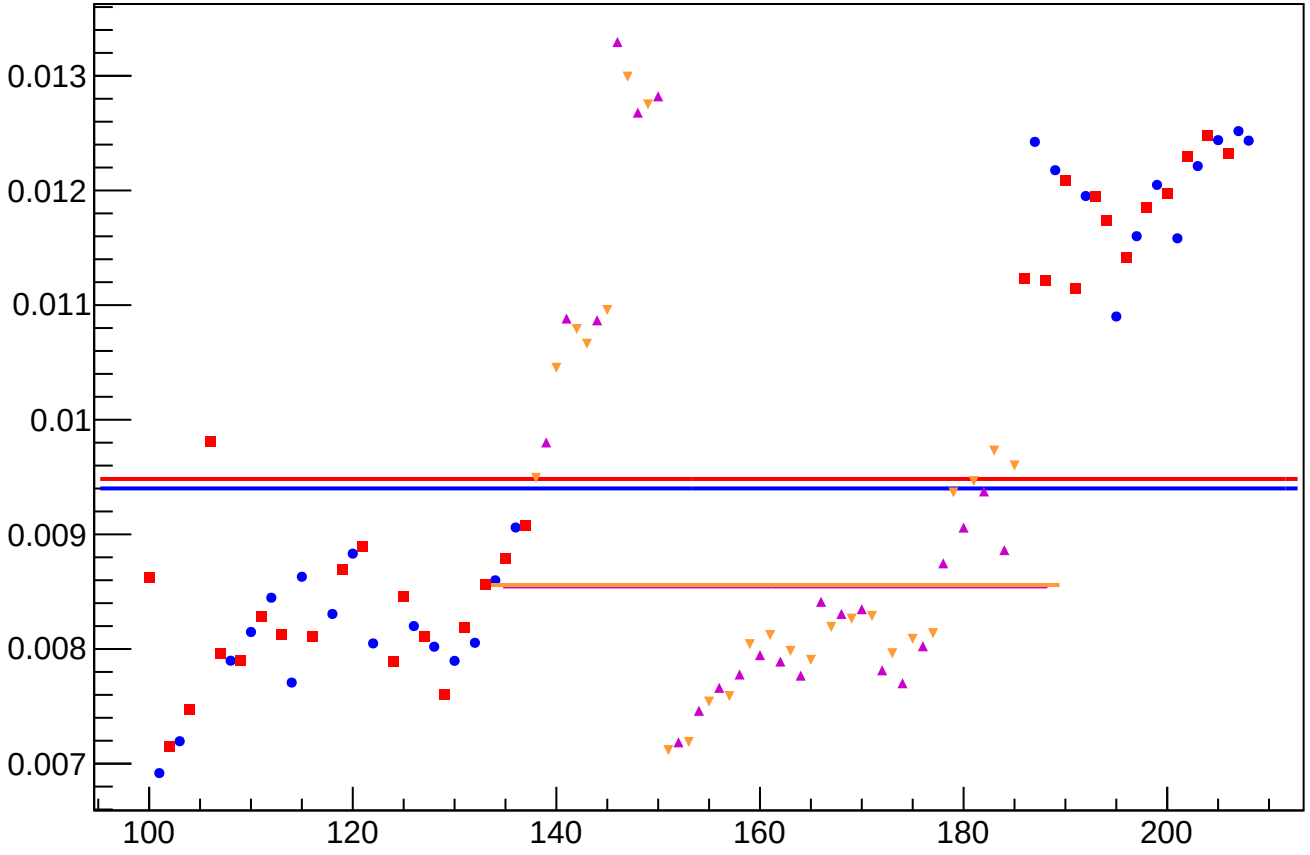
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.894+/-0.000 χ^2/NDF: 147038048418.2/51

All: -2.909+/-0.000 χ^2/NDF: 284407748190.9

- sign -2.924+/-0.000 χ^2/NDF: 137175254105.8/53

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1300956.1/26

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 1195892.9/30

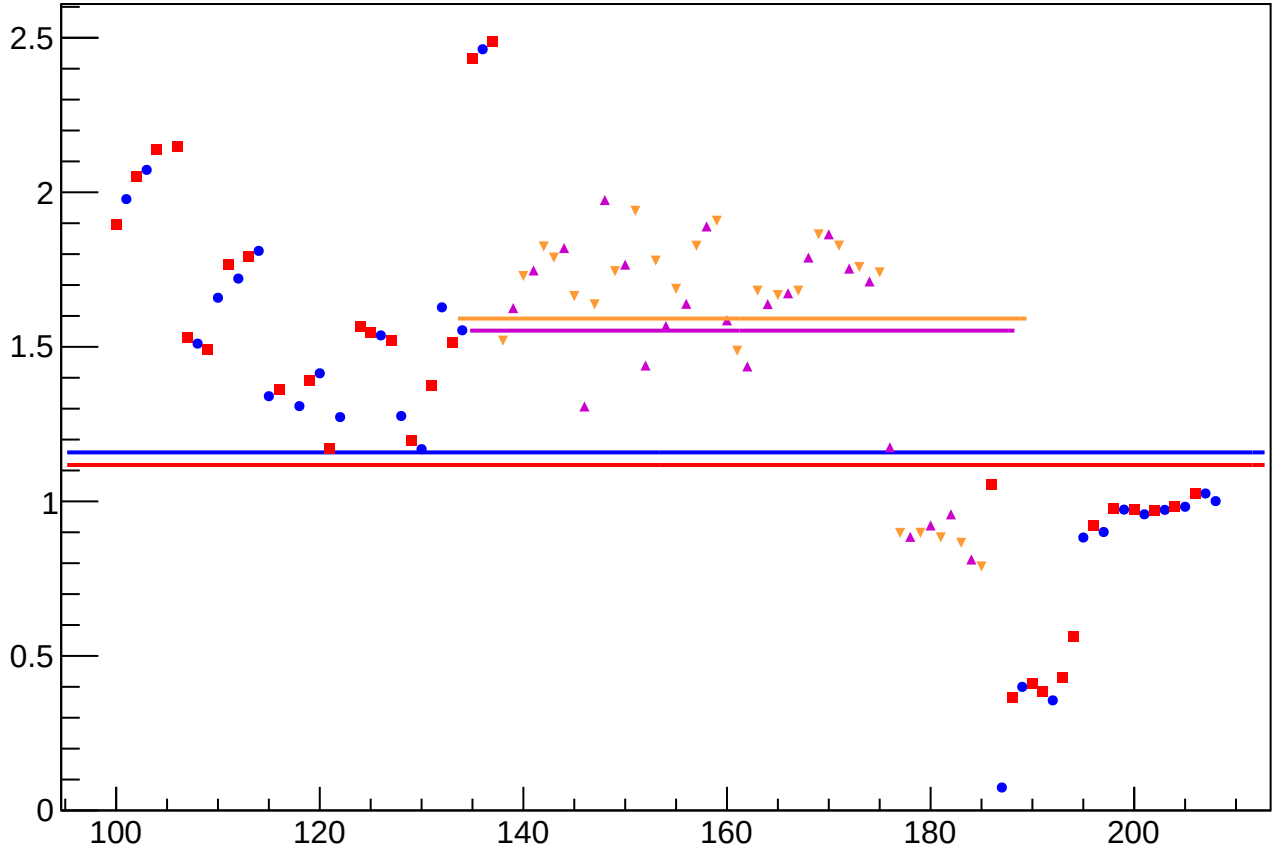
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 2266727.6/51

All: 0.009+/-0.000 χ^2/NDF: 4547637.9/105

- sign 0.009+/-0.000 χ^2/NDF: 2280178.0/53

yield_bpm0i02aX_mean vs Slug



Right In: 1.158+/-0.000 χ^2/NDF: 29400380582.3/26

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.118+/-0.000 χ^2/NDF: 34367529504.6/30

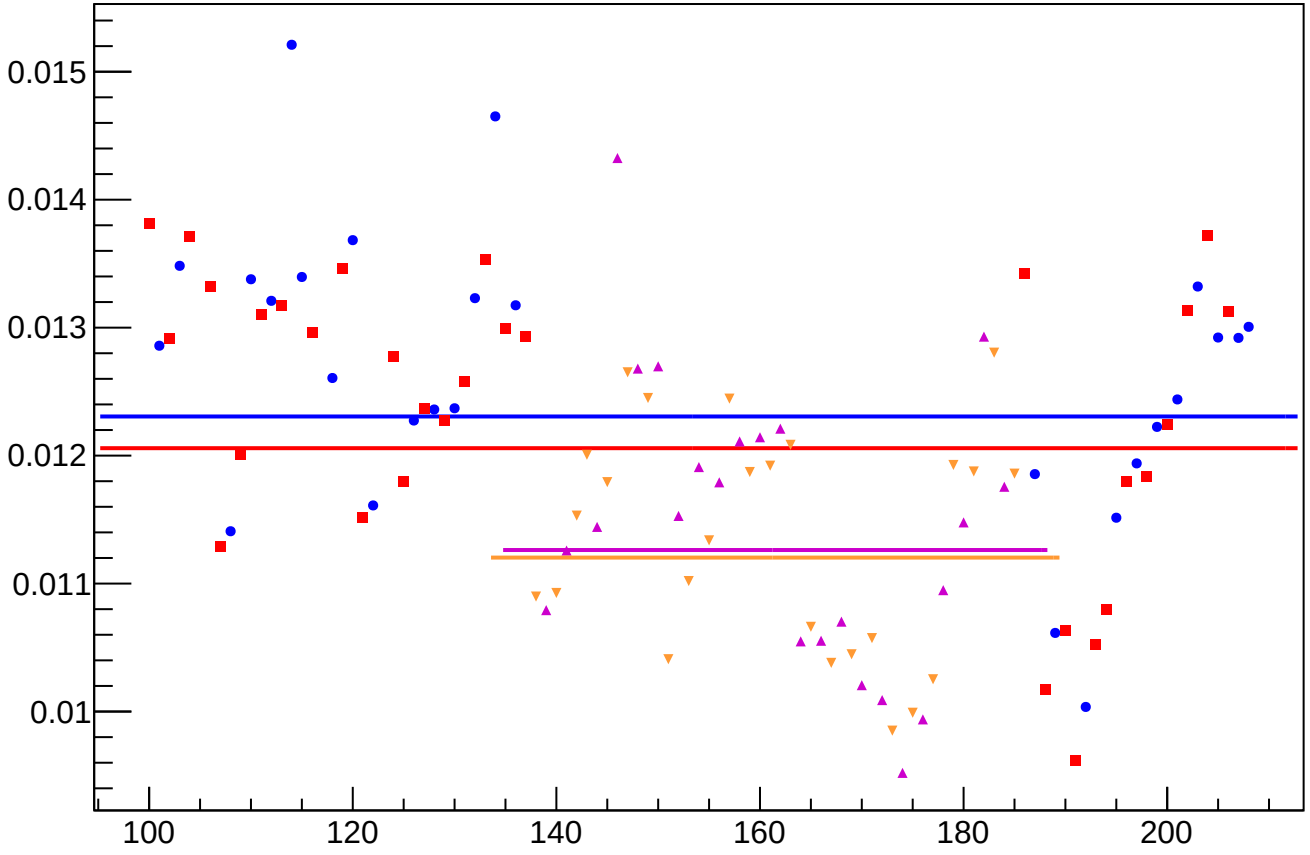
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.415+/-0.000 χ^2/NDF: 57752073578.9/51

All: 1.387+/-0.000 χ^2/NDF: 118022031917.9

- sign 1.359+/-0.000 χ^2/NDF: 59892424980.1/53

yield_bpm0i02aX_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 234129.3/26

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 303733.3/30

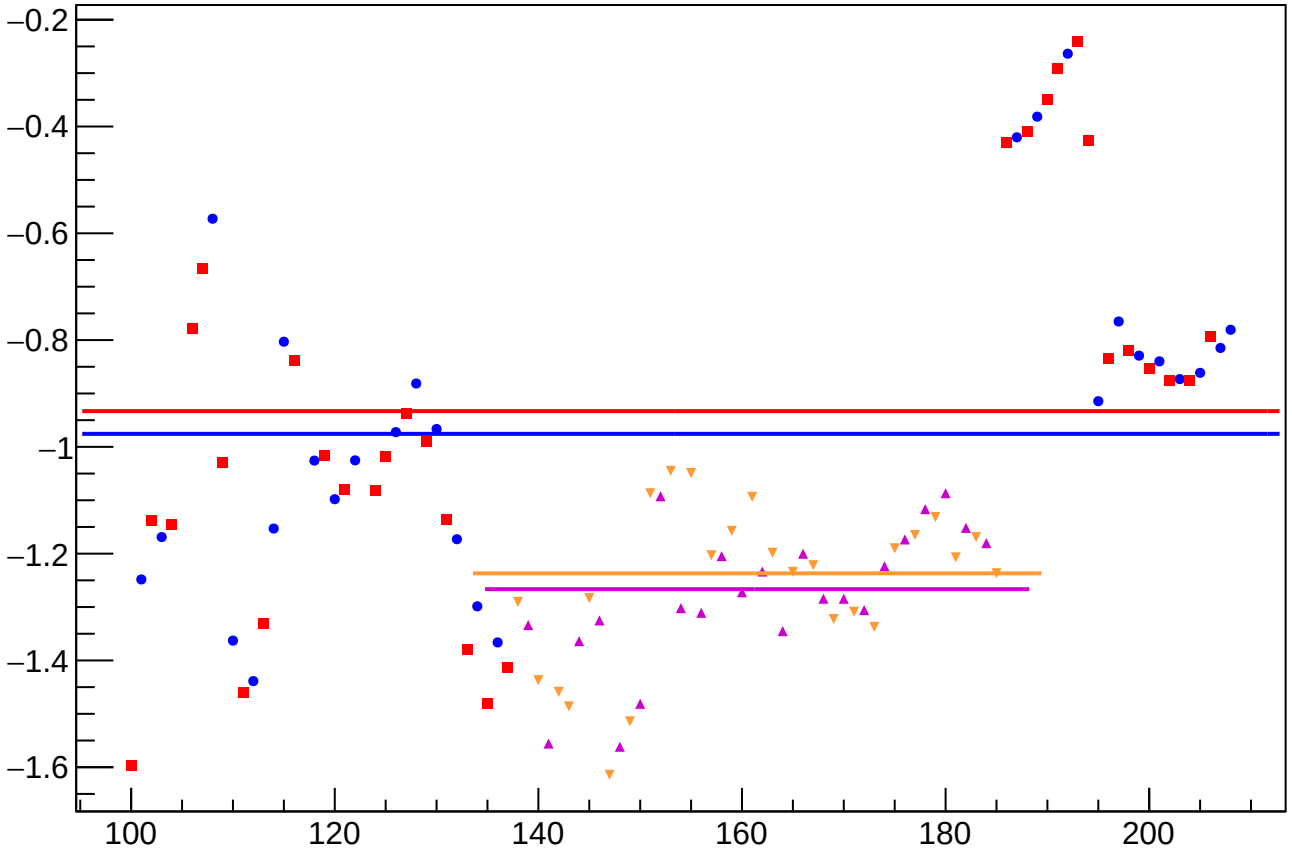
Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 603854.4/51

All: 0.012+/-0.000 χ^2/NDF: 1296450.3/105

- sign 0.012+/-0.000 χ^2/NDF: 692239.2/53

yield_bpm0i02aY_mean vs Slug



Right In: -0.976+/-0.000 χ^2/NDF: 12119060826.4/26

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

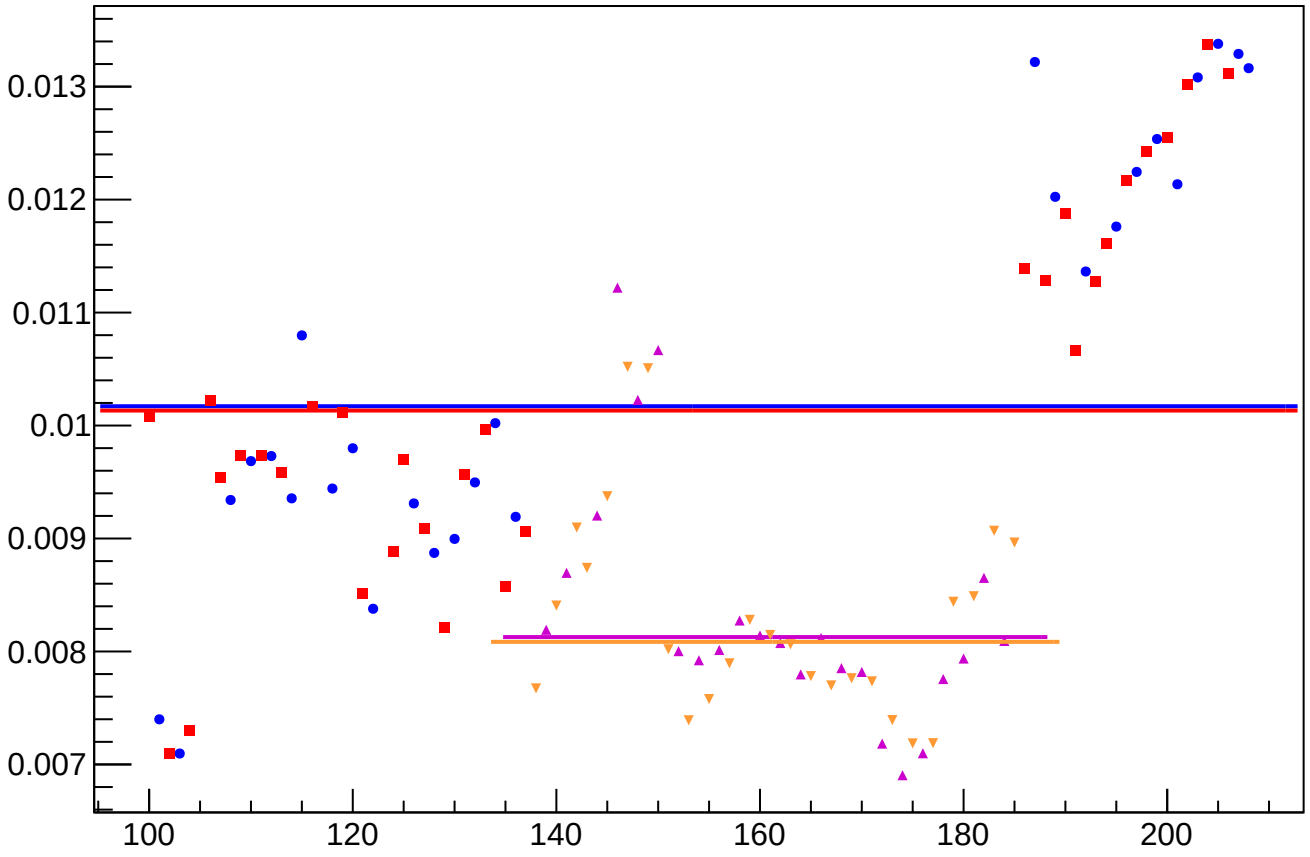
Right Out: -0.933+/-0.000 χ^2/NDF: 16714966452.4/30

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.148+/-0.000 χ^2/NDF: 23514204139.1/51

All: -1.146+/-0.000 χ^2/NDF: 54415478606.7/

- sign -1.145+/-0.000 χ^2/NDF: 30899402441.4/53



Right In: 0.010+/-0.000 χ^2/NDF: 1124616.9/26

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

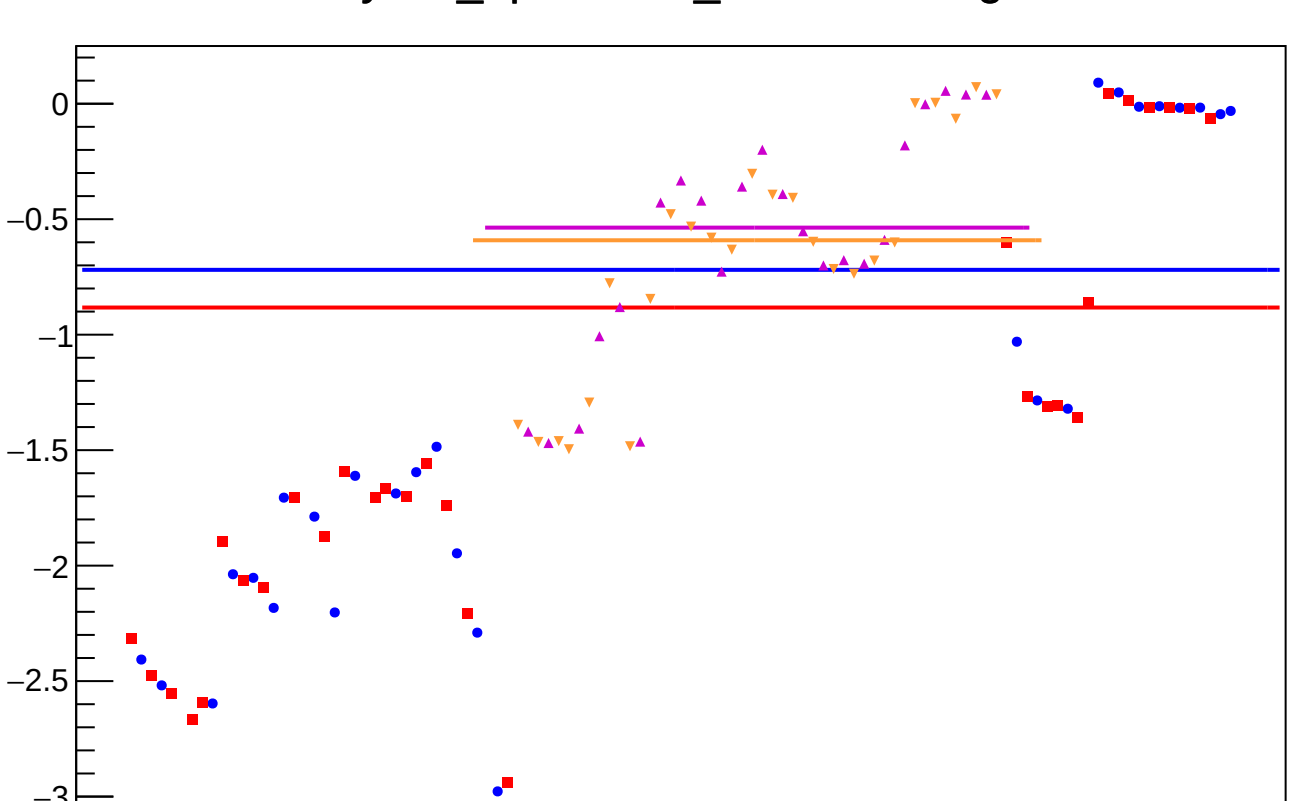
Right Out: 0.010+/-0.000 χ^2/NDF: 1056555.5/30

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.009+/-0.000 χ^2/NDF: 2270024.4/51

All: 0.009+/-0.000 χ^2/NDF: 4497304.2/105

- sign 0.009+/-0.000 χ^2/NDF: 2225611.4/53



Right In: -0.719+/-0.000 χ^2/NDF: 369333867654.3/26

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.882+/-0.000 χ^2/NDF: 362525090753.0/30

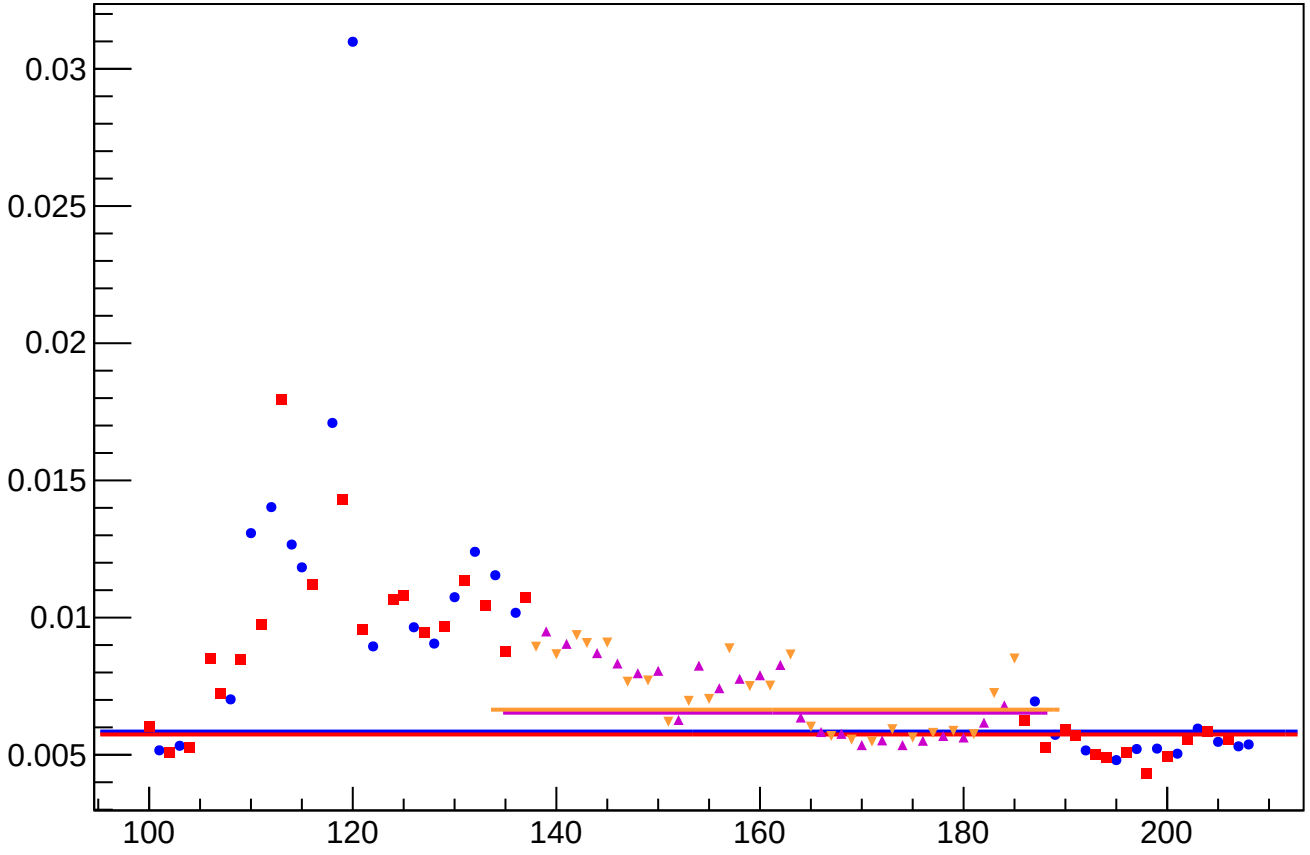
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.655+/-0.000 χ^2/NDF: 445087863536.4/51

All: -0.686+/-0.000 χ^2/NDF: 902483368954.5

- sign -0.717+/-0.000 χ^2/NDF: 455900249469.3/53

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2506939.2/26

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

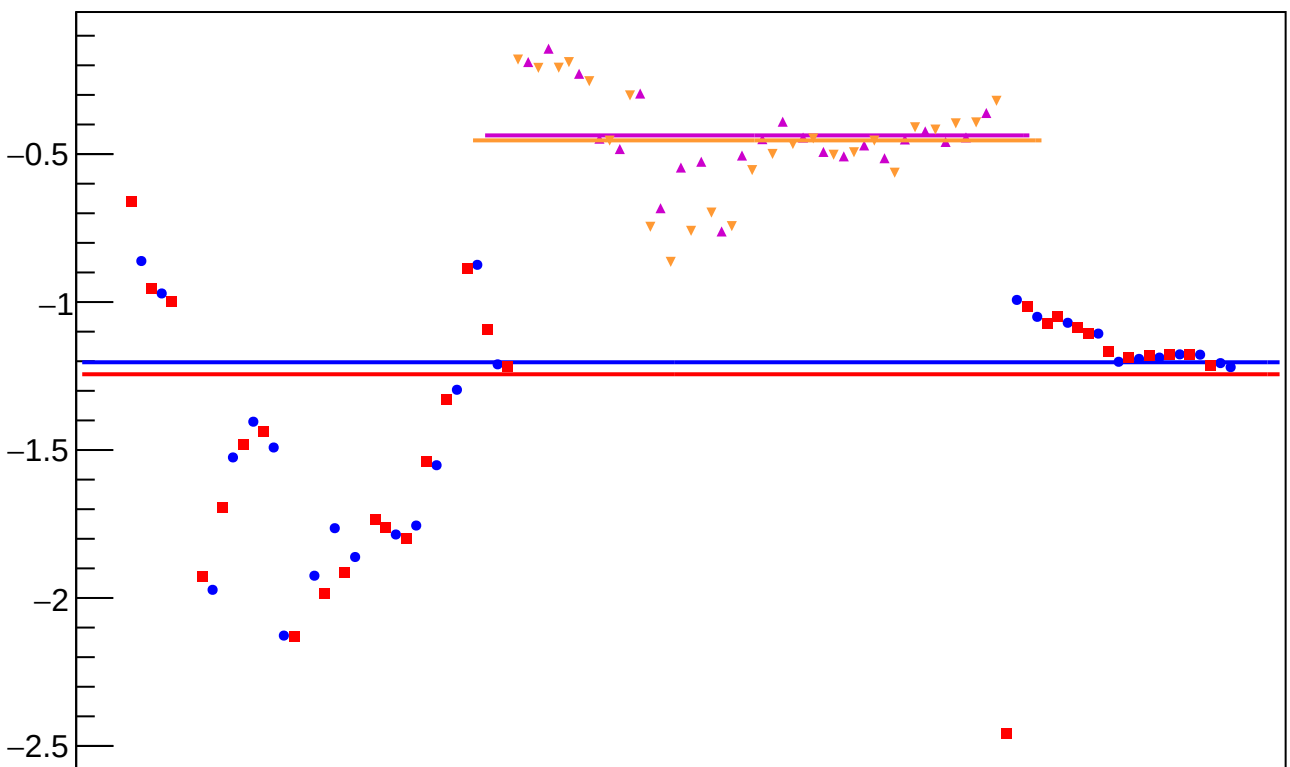
Right Out: 0.006+/-0.000 χ^2/NDF: 2349297.5/30

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 3838212.8/51

All: 0.006+/-0.000 χ^2/NDF: 7595349.0/105

- sign 0.006+/-0.000 χ^2/NDF: 3744347.0/53



Right In: -1.203+/-0.000 χ^2/NDF: 27139641887.4/26

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.244+/-0.000 χ^2/NDF: 72207875260.1/30

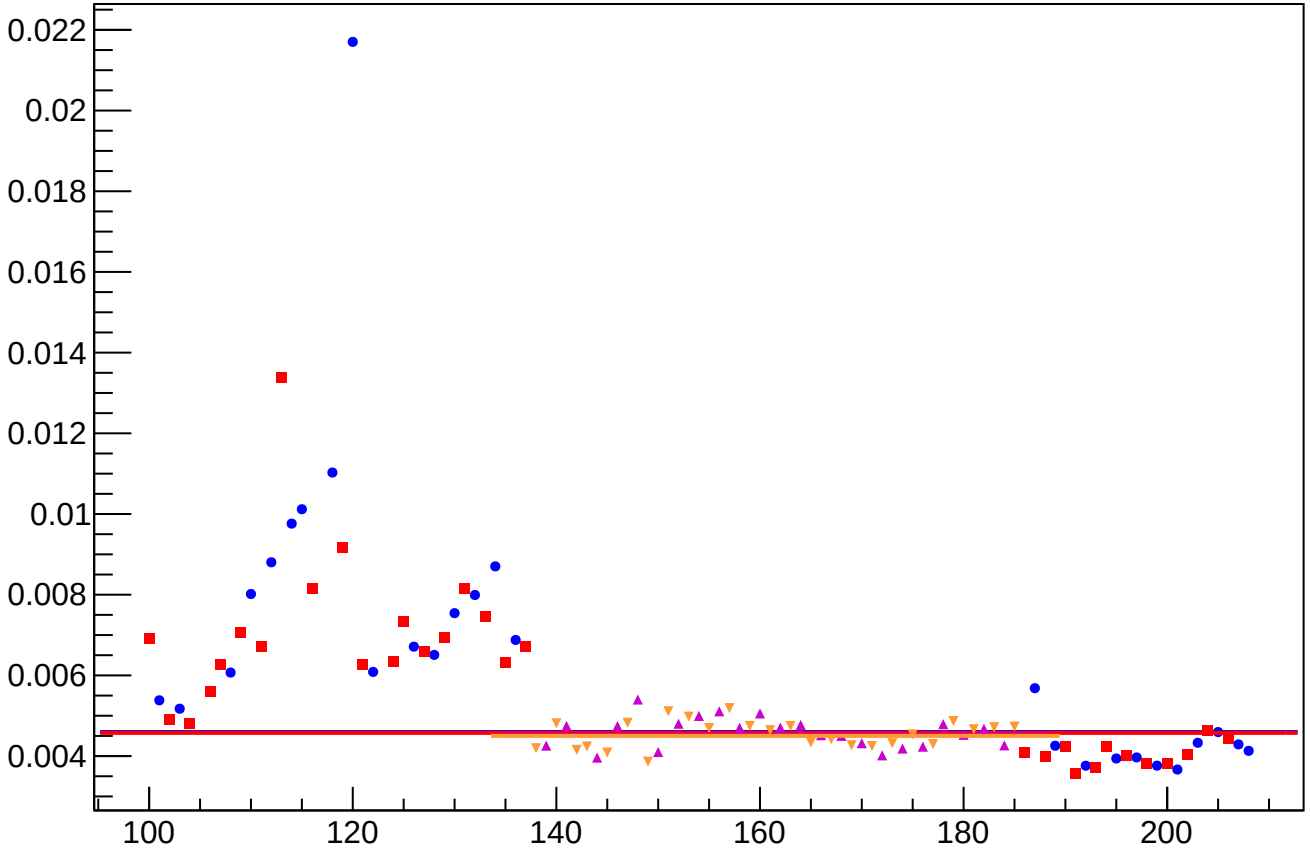
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.762+/-0.000 χ^2/NDF: 257551472428.2/51

All: -0.779+/-0.000 χ^2/NDF: 582721356150.4

- sign -0.795+/-0.000 χ^2/NDF: 324380784888.3/53

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2176783.9/26

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

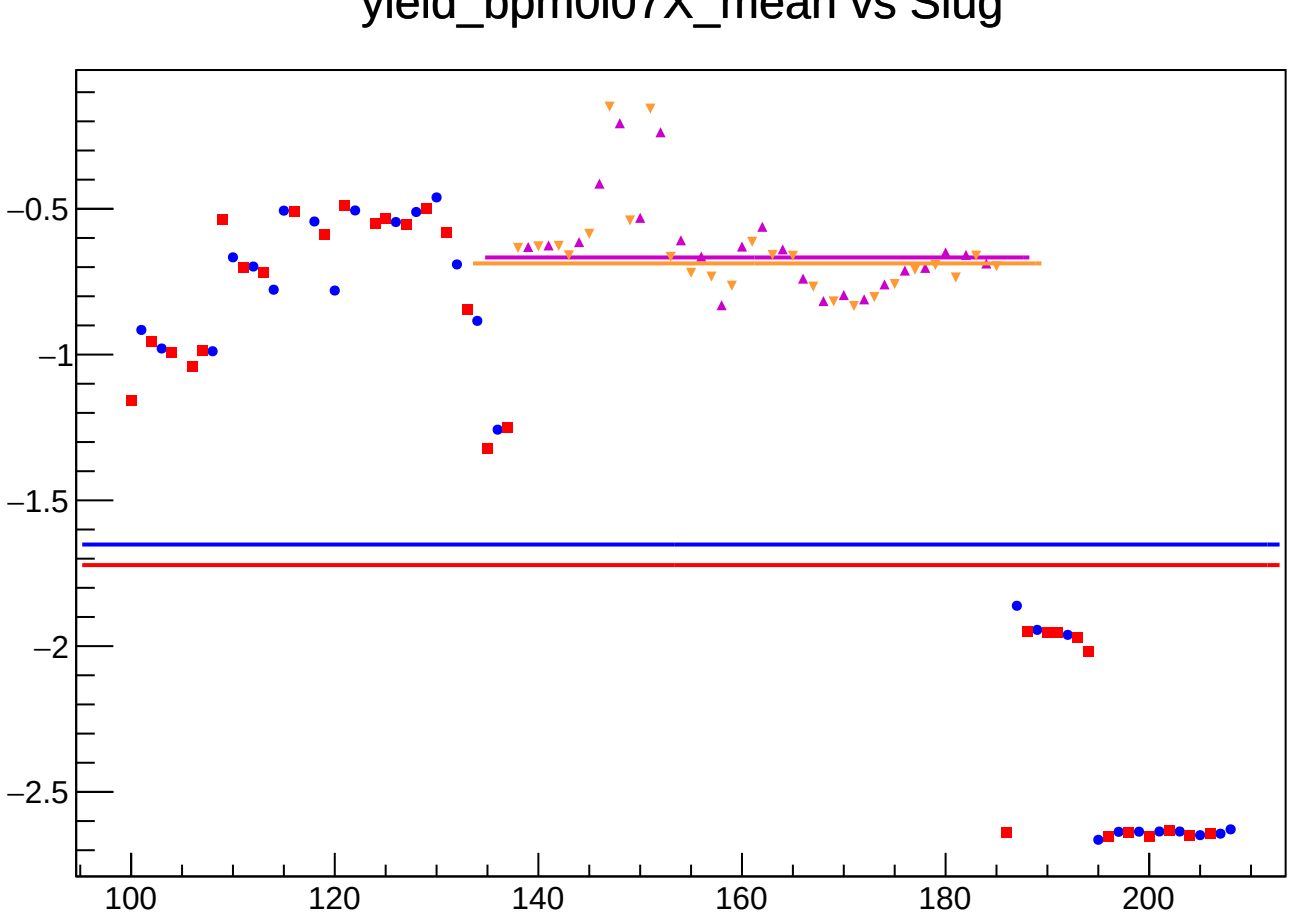
Right Out: 0.005+/-0.000 χ^2/NDF: 1846516.4/30

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2372461.0/51

All: 0.005+/-0.000 χ^2/NDF: 4433235.1/105

- sign 0.005+/-0.000 χ^2/NDF: 2060740.6/53



Right In: -1.651+/-0.000 χ^2/NDF: 255365371214.3/26

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.722+/-0.000 χ^2/NDF: 298397167355.8/30

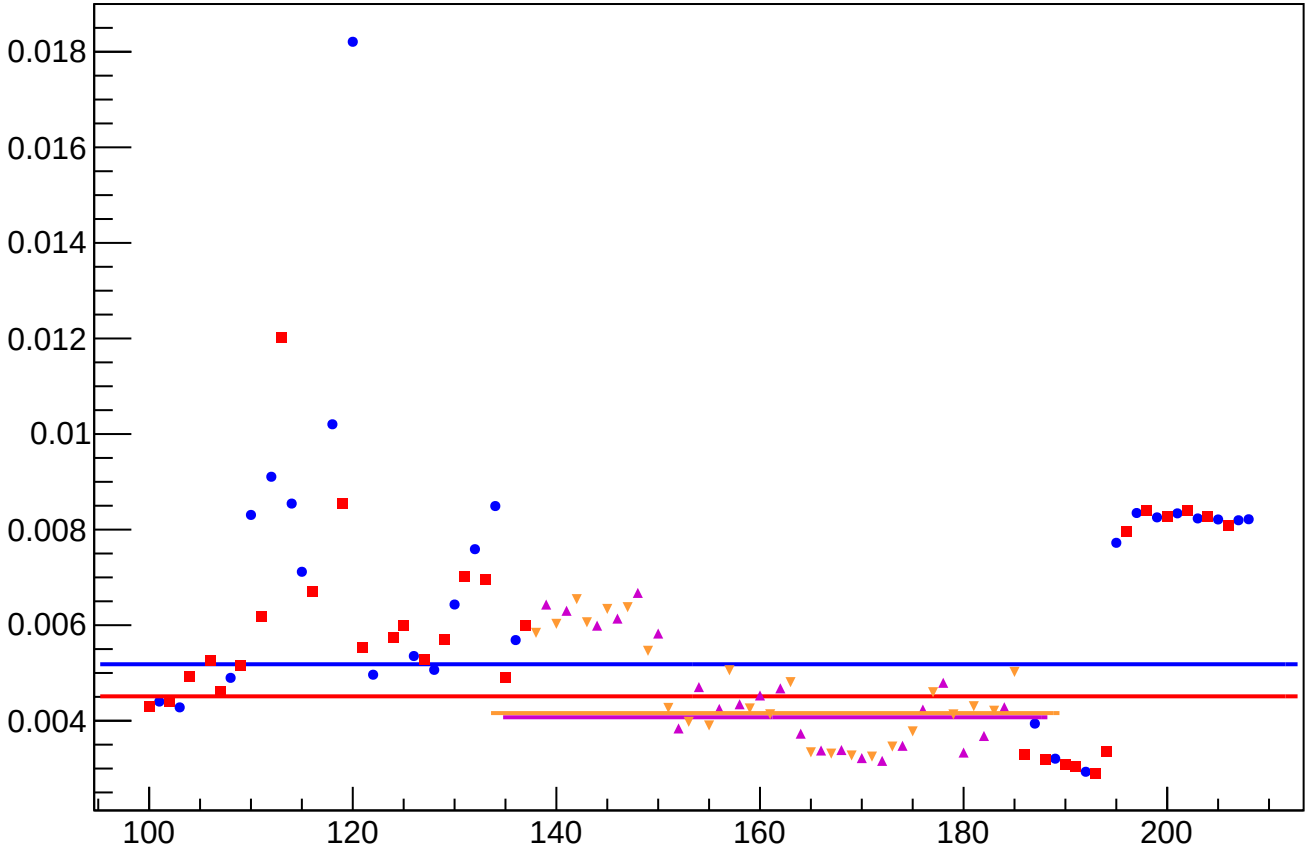
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.998+/-0.000 χ^2/NDF: 566958591069.2/51

All: -1.045+/-0.000 χ^2/NDF: 1316077891373

- sign -1.087+/-0.000 χ^2/NDF: 743157278970.5/53

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 4387663.9/26

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

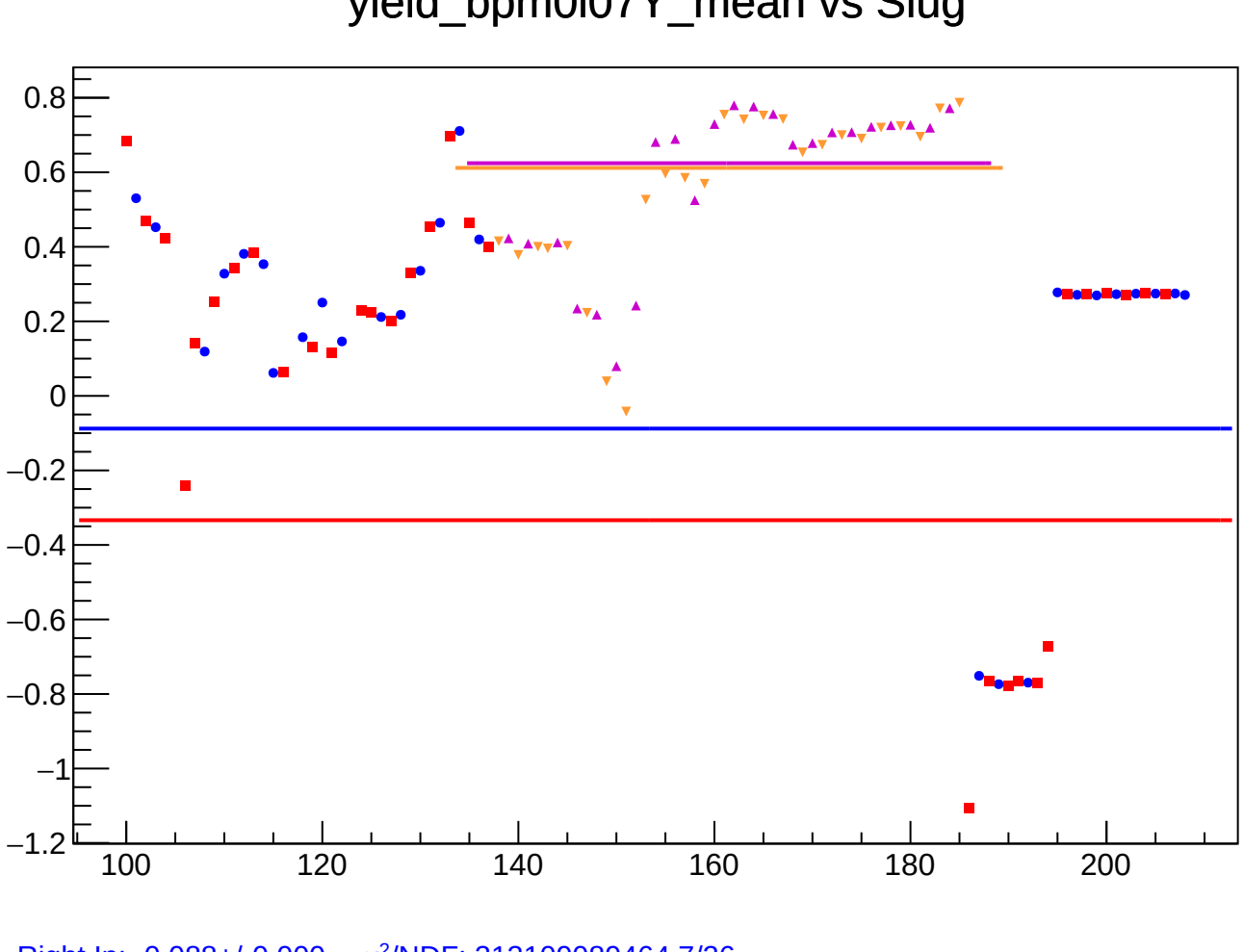
Right Out: 0.005+/-0.000 χ^2/NDF: 4376577.2/30

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 6557445.7/51

All: 0.004+/-0.000 χ^2/NDF: 12918195.9/105

- sign 0.004+/-0.000 χ^2/NDF: 6272598.1/53



Right In: -0.088+/-0.000 χ^2/NDF: 313109089464.7/26

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.334+/-0.000 χ^2/NDF: 488138852760.6/30

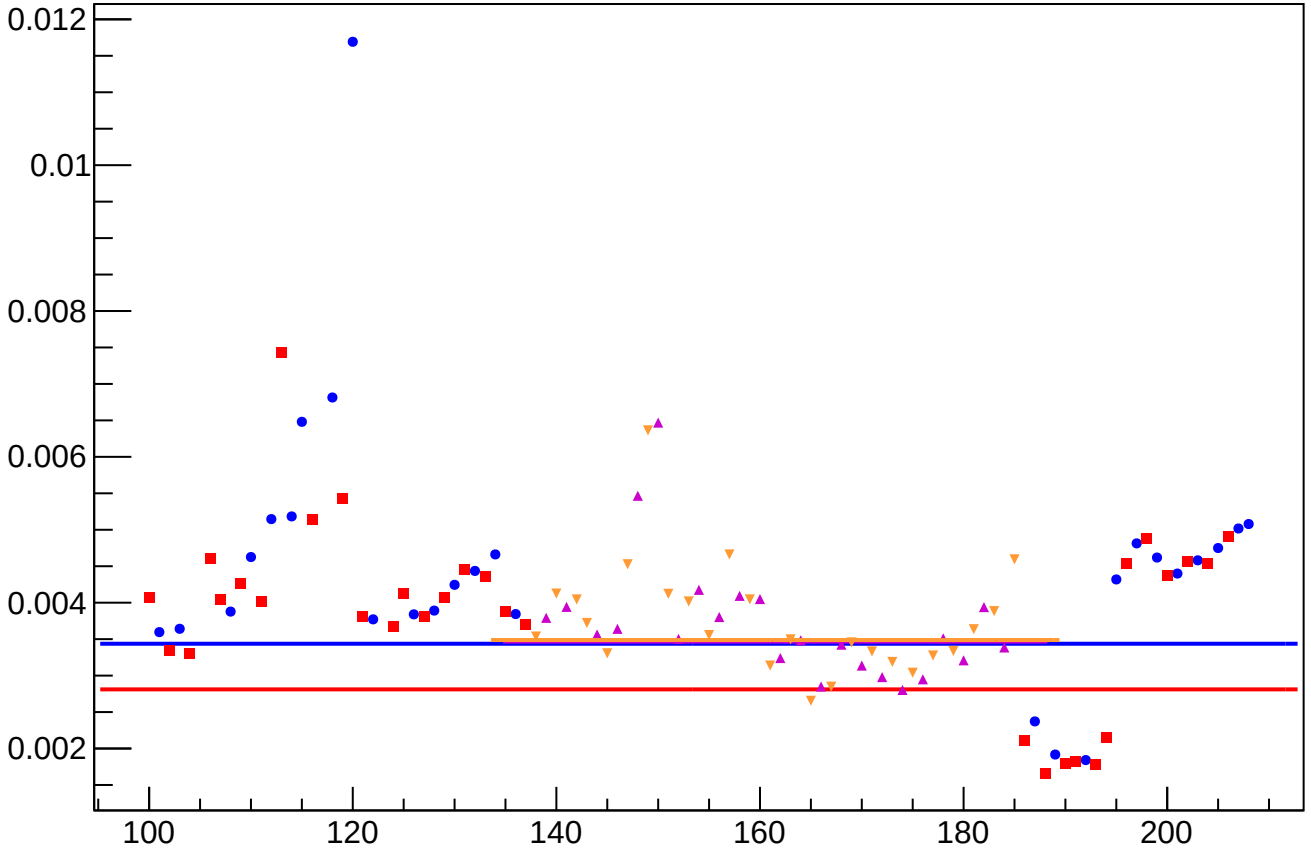
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.296+/-0.000 χ^2/NDF: 650528217144.2/51

All: 0.184+/-0.000 χ^2/NDF: 1883700258227.

- sign 0.090+/-0.000 χ^2/NDF: 1177603471985.2/53

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3748715.6/26

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

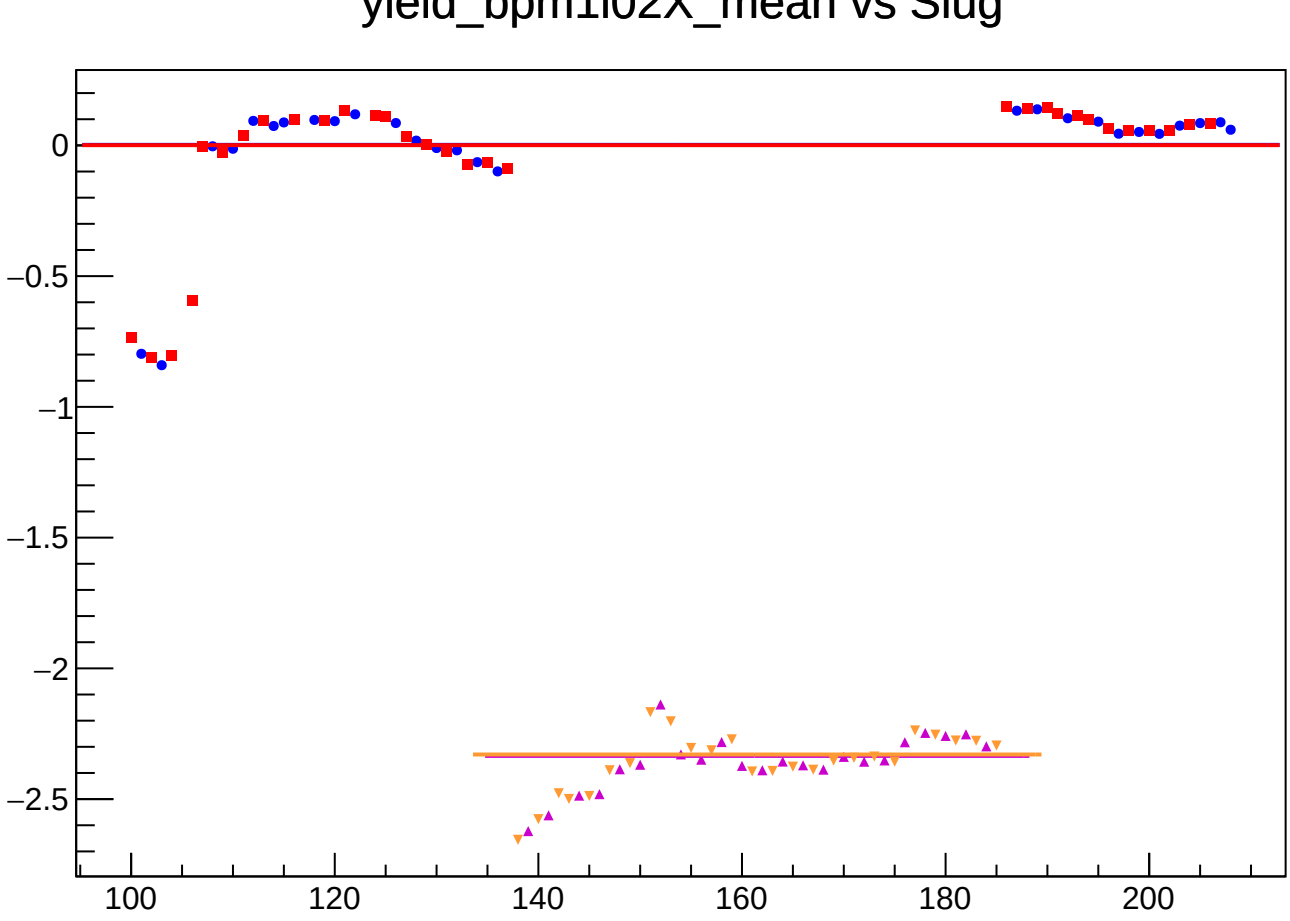
Right Out: 0.003+/-0.000 χ^2/NDF: 4900448.6/30

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 4602580.8/51

All: 0.003+/-0.000 χ^2/NDF: 11352578.2/105

- sign 0.003+/-0.000 χ^2/NDF: 6402974.0/53



Right In: 0.002+/-0.000 χ^2/NDF: 6547293841.9/26

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7797409054.9/30

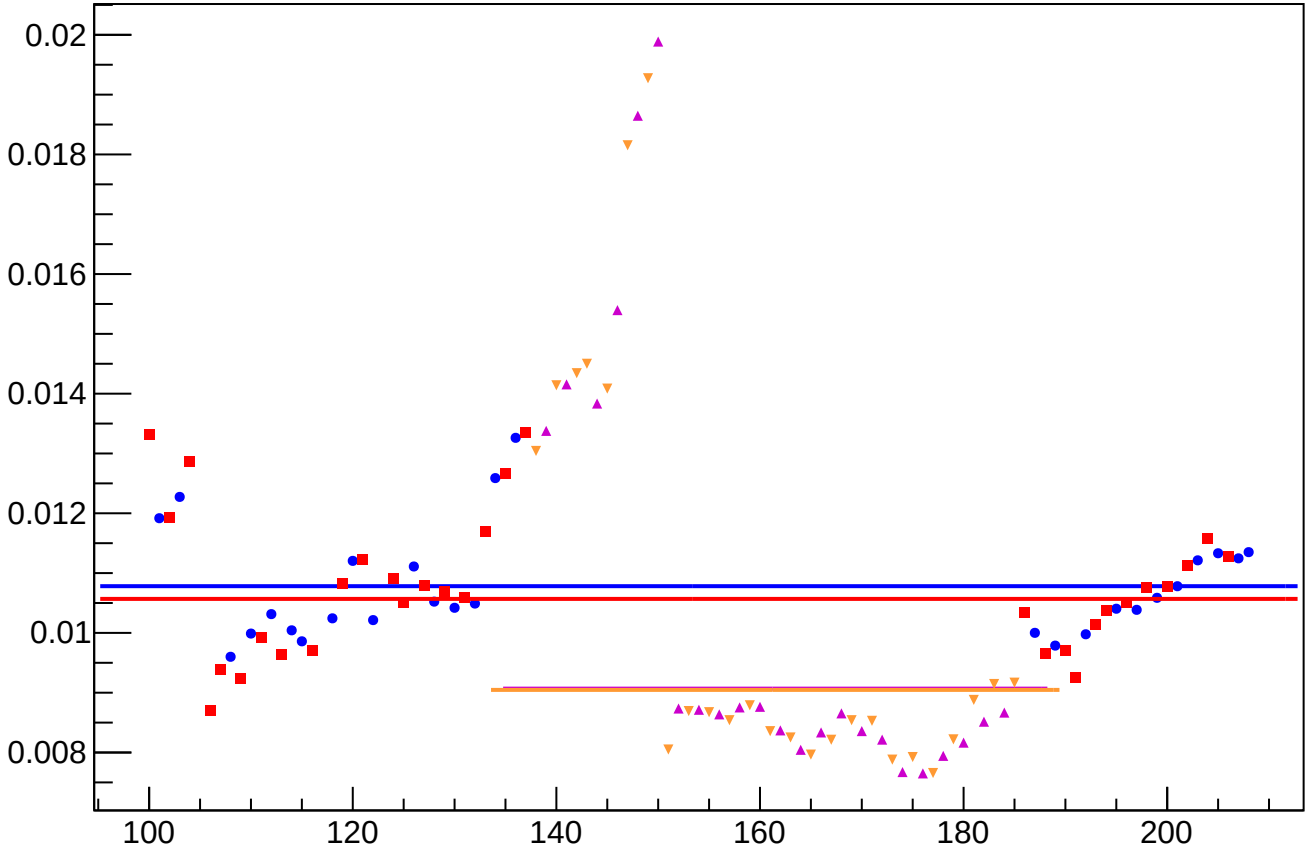
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.450+/-0.000 χ^2/NDF: 463967757356.2/51

All: -1.413+/-0.000 χ^2/NDF: 941893197101.9

- sign -1.375+/-0.000 χ^2/NDF: 476933484081.4/53

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 184031.0/26

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 254194.2/30

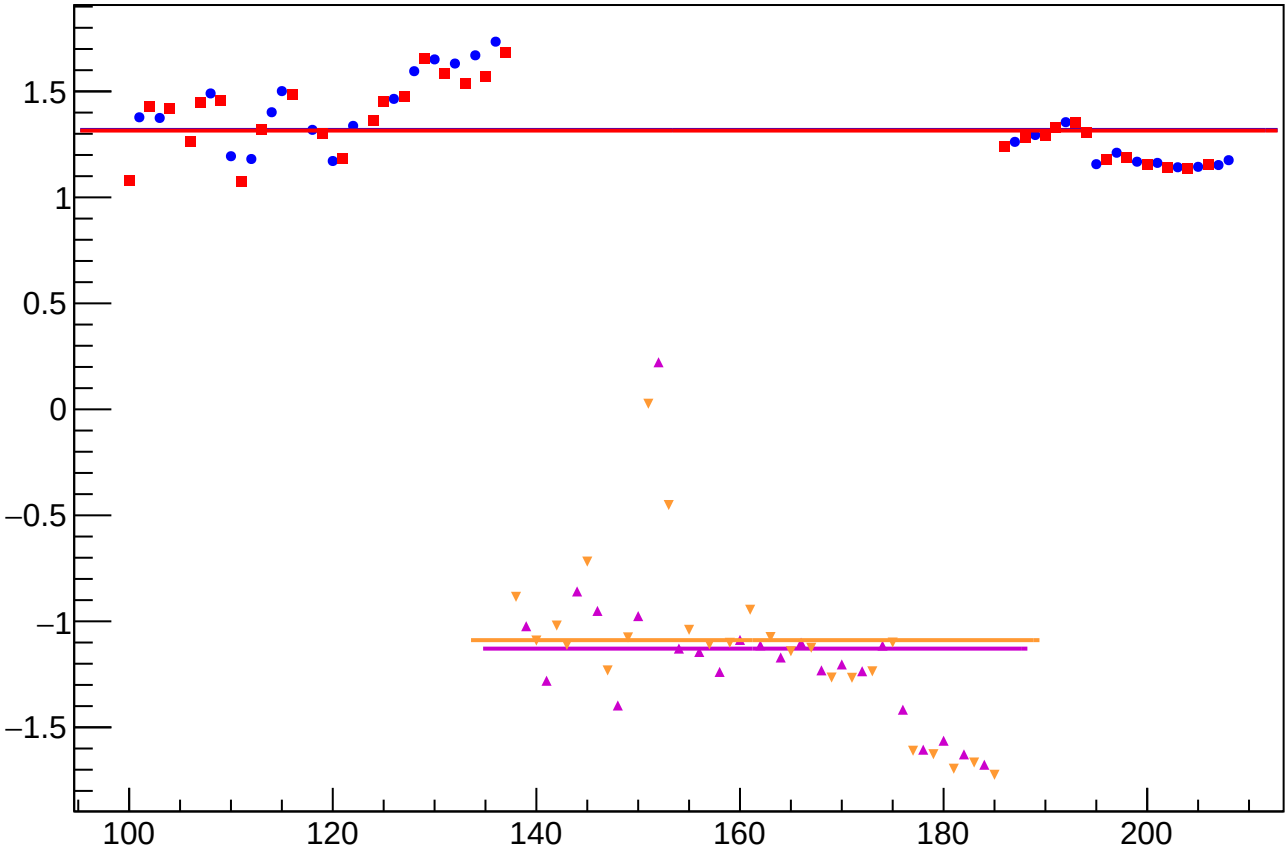
Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF: 2736801.1/51

All: 0.010+/-0.000 χ^2/NDF: 5511104.1/105

- sign 0.010+/-0.000 χ^2/NDF: 2774203.7/53

yield_bpm1i02Y_mean vs Slug



Right In: 1.318+/-0.000 χ^2/NDF: 8397171100.4/26

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.315+/-0.000 χ^2/NDF: 6313435710.5/30

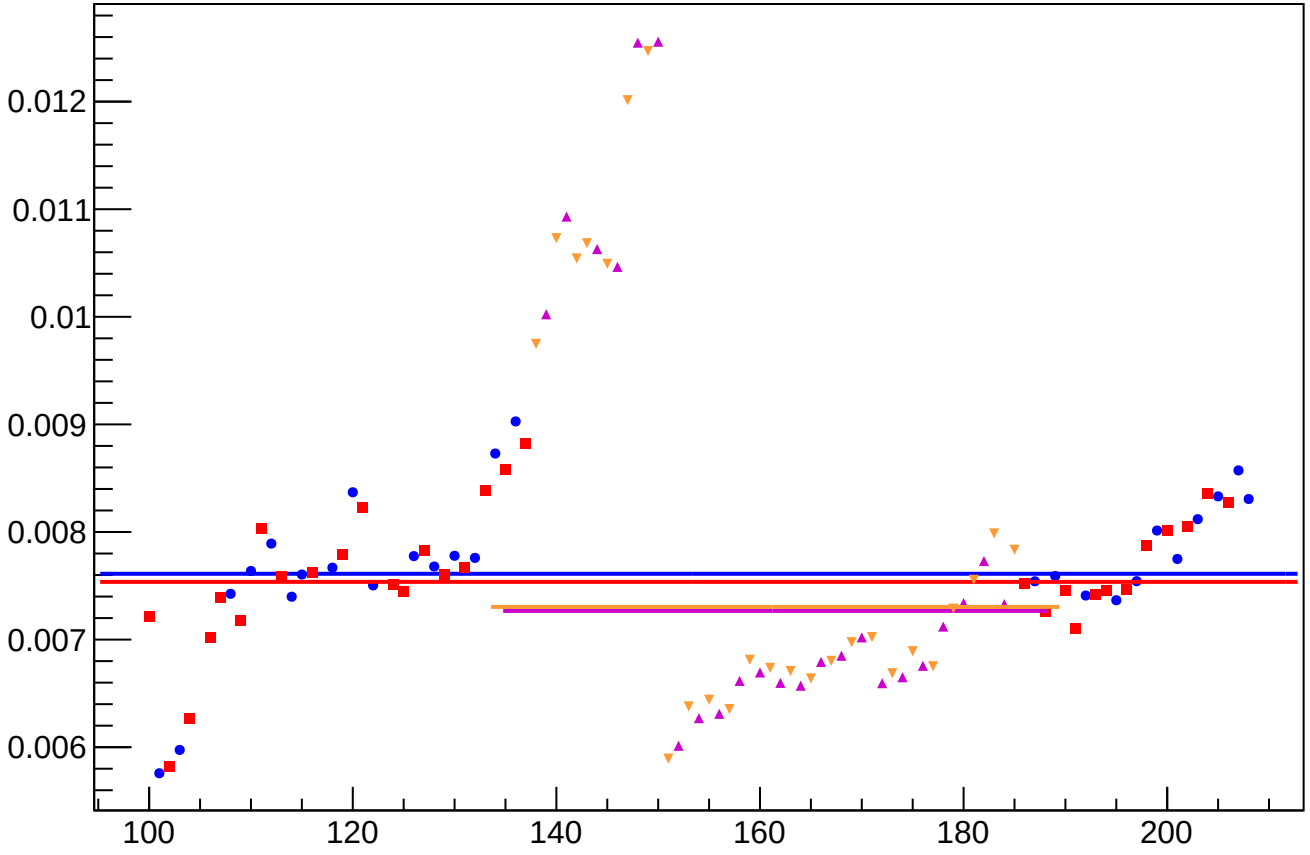
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.038+/-0.000 χ^2/NDF: 945846604699.5/51

All: -0.017+/-0.000 χ^2/NDF: 1927956291127

- sign 0.004+/-0.000 χ^2/NDF: 981559269536.9/53

yield_bpm1i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 351083.0/26

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

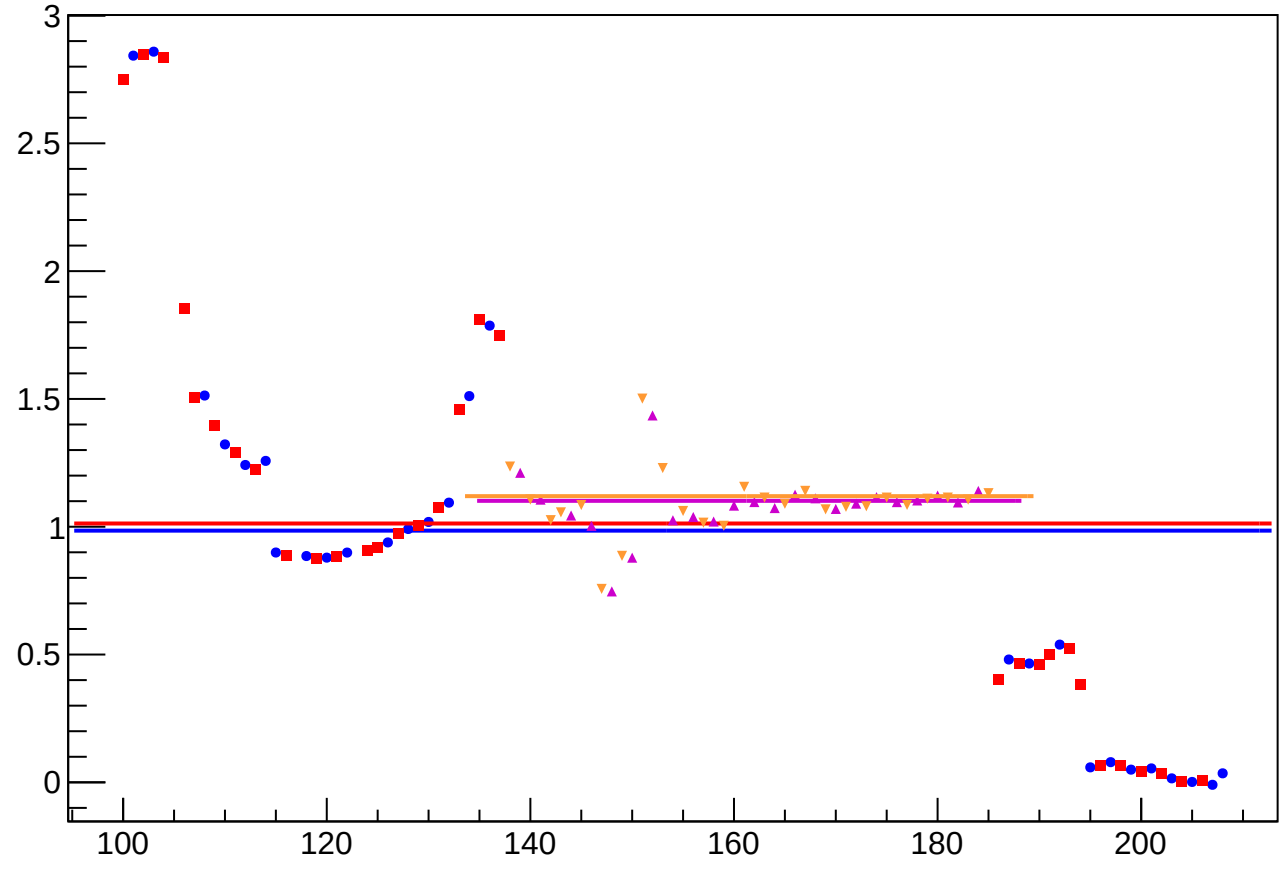
Right Out: 0.008+/-0.000 χ^2/NDF: 260743.8/30

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1883910.6/51

All: 0.007+/-0.000 χ^2/NDF: 3728482.1/105

- sign 0.007+/-0.000 χ^2/NDF: 1843238.4/53



Right In: 0.985+/-0.000 χ^2/NDF: 138620319799.5/26

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.013+/-0.000 χ^2/NDF: 130642982854.0/30

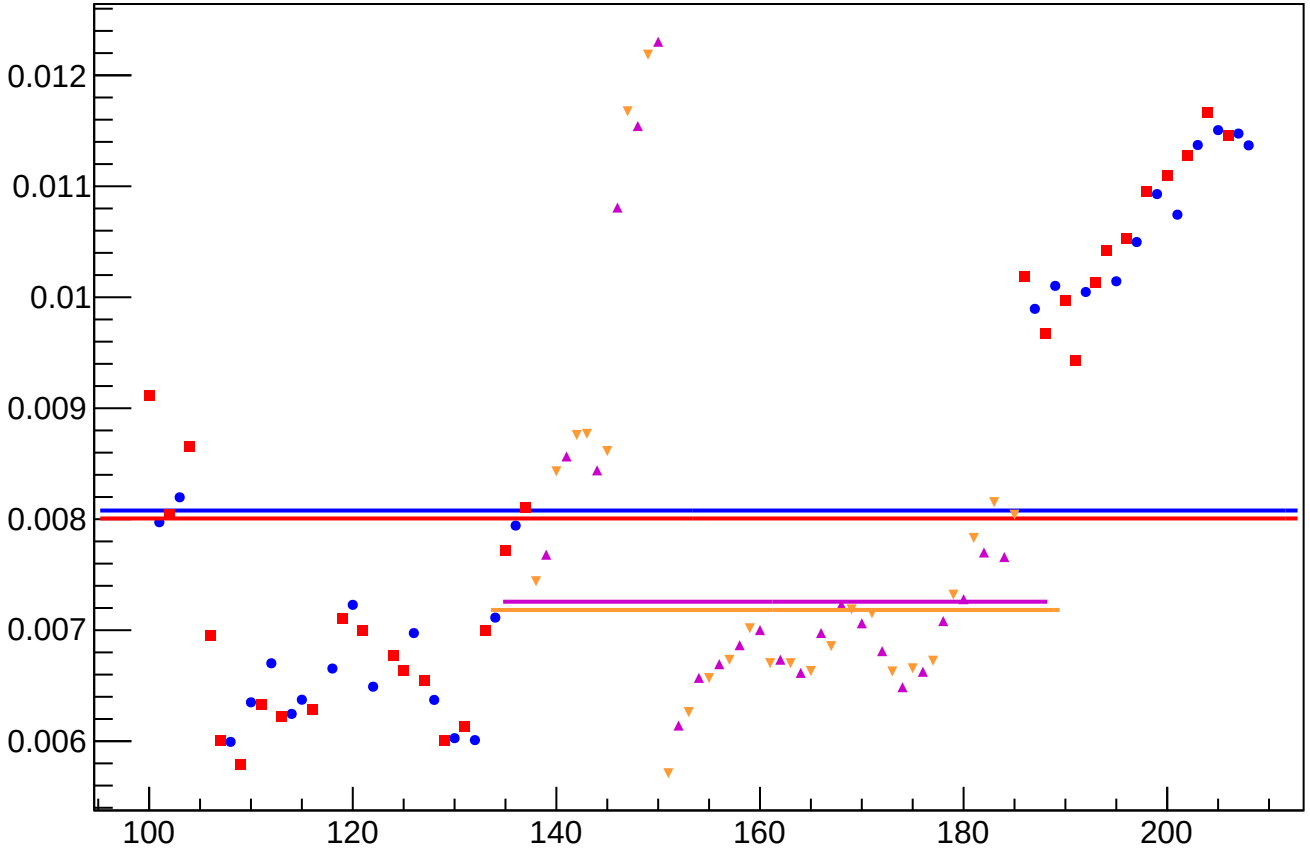
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.067+/-0.000 χ^2/NDF: 146666498593.4/51

All: 1.066+/-0.000 χ^2/NDF: 282612731274.1

- sign 1.064+/-0.000 χ^2/NDF: 135943436241.1/53

yield_bpm1i04X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1779131.0/26

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1871893.8/30

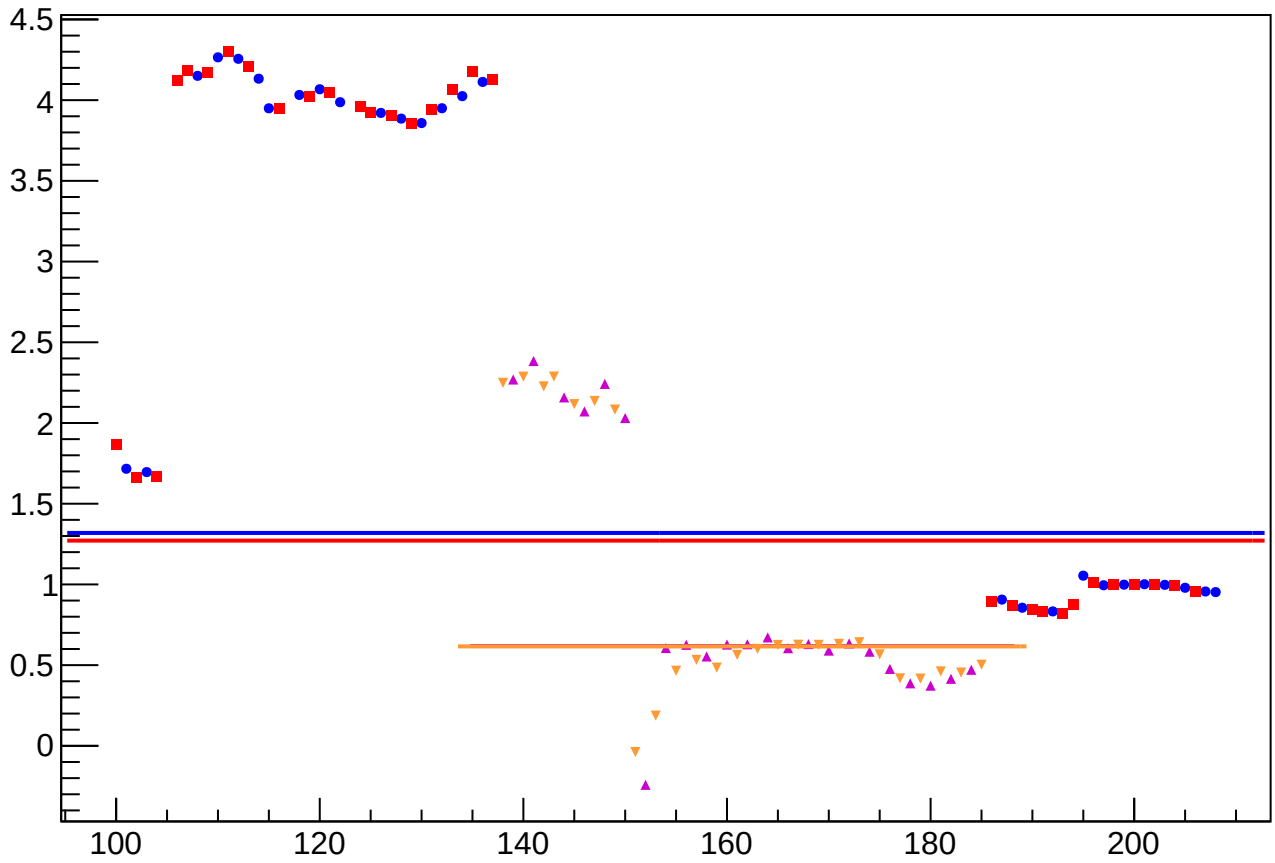
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 2896143.3/51

All: 0.008+/-0.000 χ^2/NDF: 5842875.1/105

- sign 0.008+/-0.000 χ^2/NDF: 2945760.5/53

yield_bpm1i04Y_mean vs Slug



Right In: 1.319+/-0.000 χ^2/NDF: 1587423913028.2/26

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.271+/-0.000 χ^2/NDF: 1755616410419.6/30

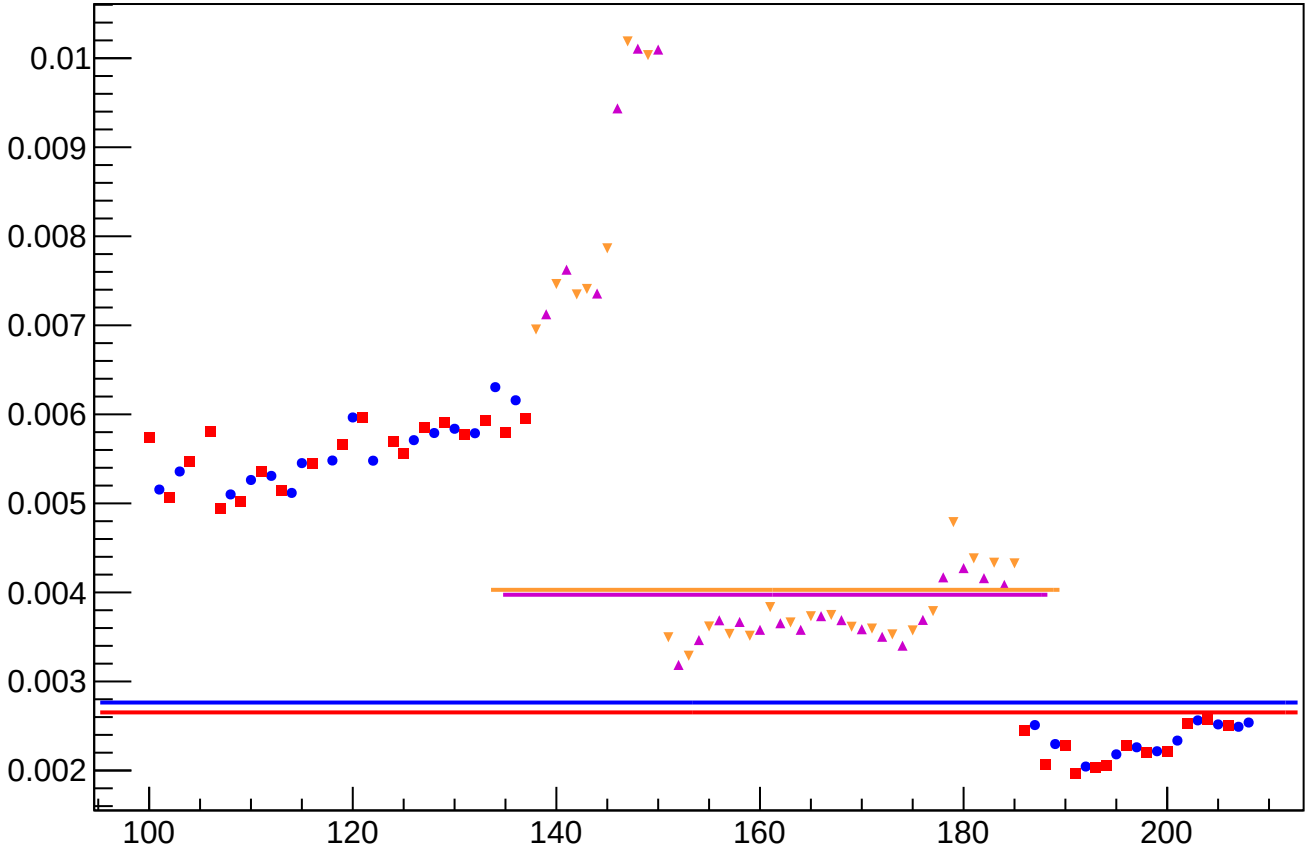
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.049+/-0.000 χ^2/NDF: 2160886766215.2/51

All: 1.045+/-0.000 χ^2/NDF: 4455092710127.

- sign 1.042+/-0.000 χ^2/NDF: 2294136463038.6/53

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4367214.1/26

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4678236.8/30

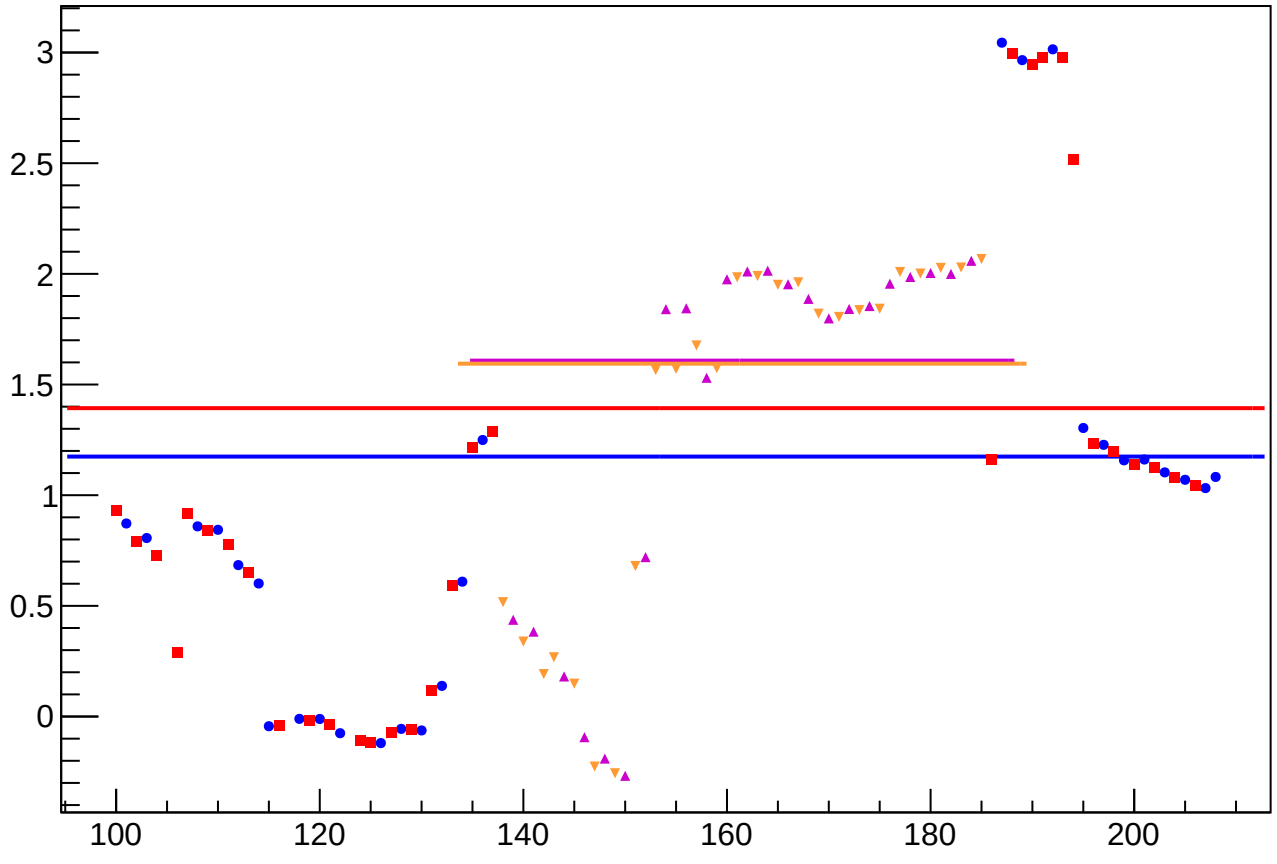
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 9417740.0/51

All: 0.003+/-0.000 χ^2/NDF: 19595646.7/105

- sign 0.003+/-0.000 χ^2/NDF: 10127739.5/53

yield_bpm1i06X_mean vs Slug



Right In: 1.174+/-0.000 χ^2/NDF: 77753893123.6/26

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.393+/-0.000 χ^2/NDF: 105628416409.1/30

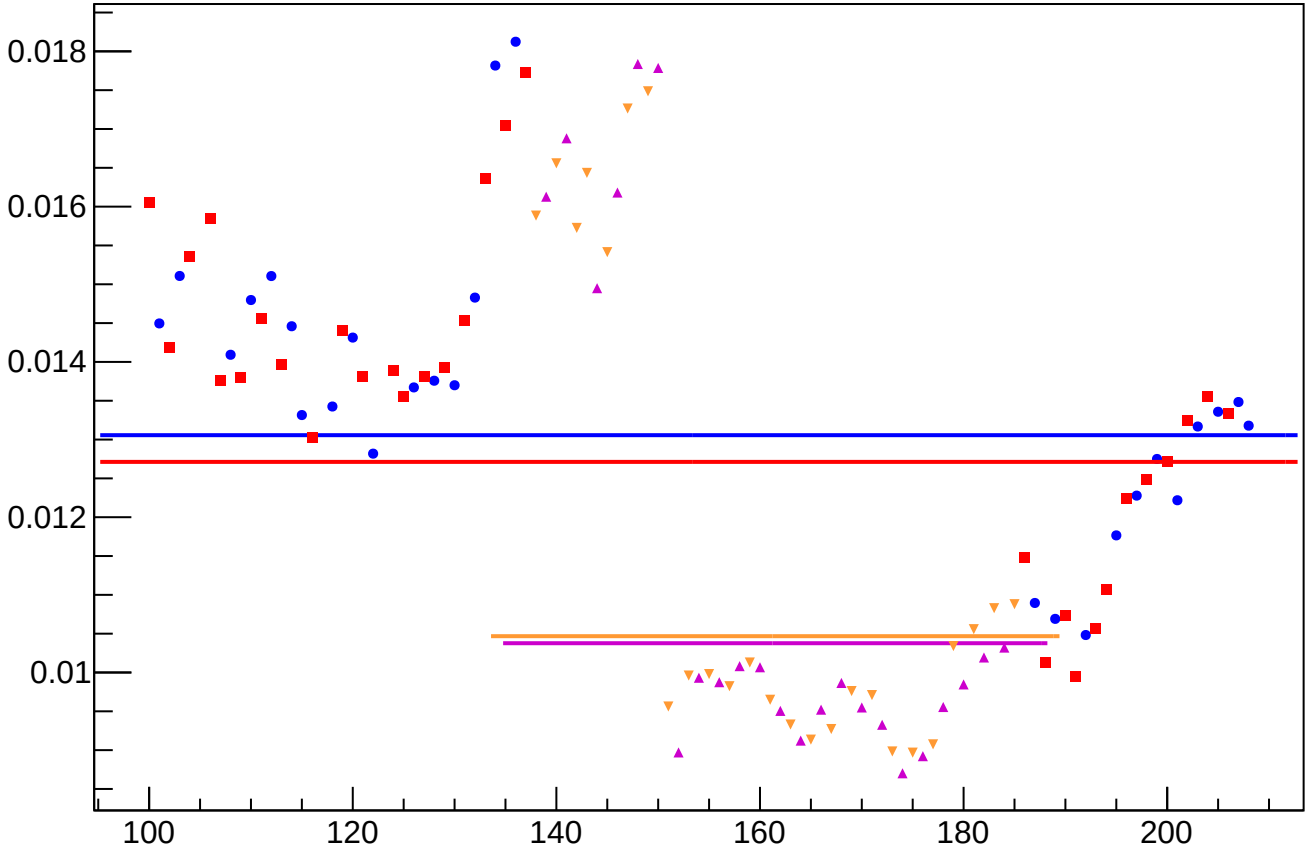
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.447+/-0.000 χ^2/NDF: 150707484763.6/51

All: 1.487+/-0.000 χ^2/NDF: 326370234385.4

- sign 1.527+/-0.000 χ^2/NDF: 174842916545.9/53

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 505157.5/26

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

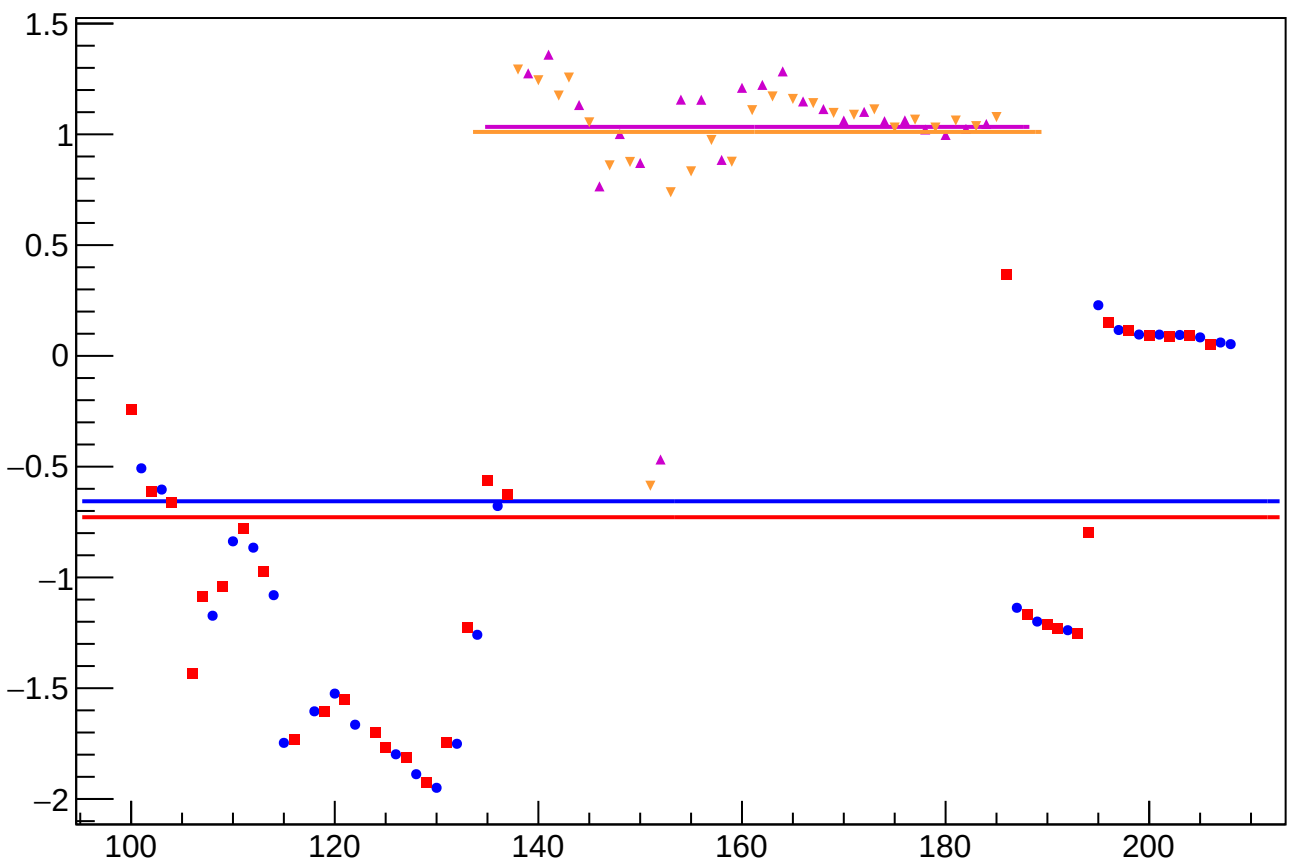
Right Out: 0.013+/-0.000 χ^2/NDF: 605632.4/30

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2951761.5/51

All: 0.011+/-0.000 χ^2/NDF: 5936073.8/105

- sign 0.011+/-0.000 χ^2/NDF: 2980983.7/53



Right In: -0.656+/-0.000 χ^2/NDF: 189736034070.4/26

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.728+/-0.000 χ^2/NDF: 169163024599.5/30

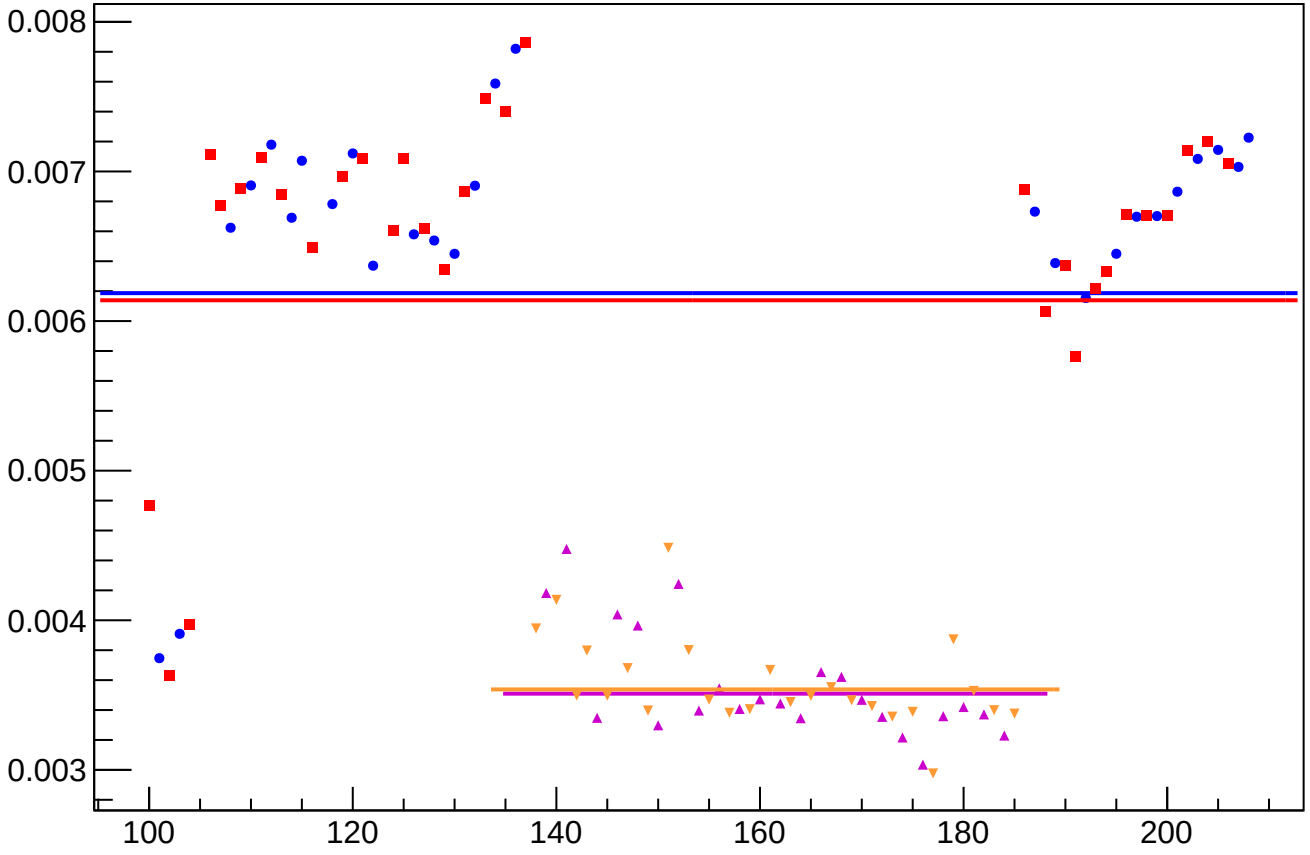
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.657+/-0.000 χ^2/NDF: 1129028040803.3/51

All: 0.645+/-0.000 χ^2/NDF: 2376559915326.

- sign 0.632+/-0.000 χ^2/NDF: 1246958451840.9/53

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1204423.9/26

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1216398.6/30

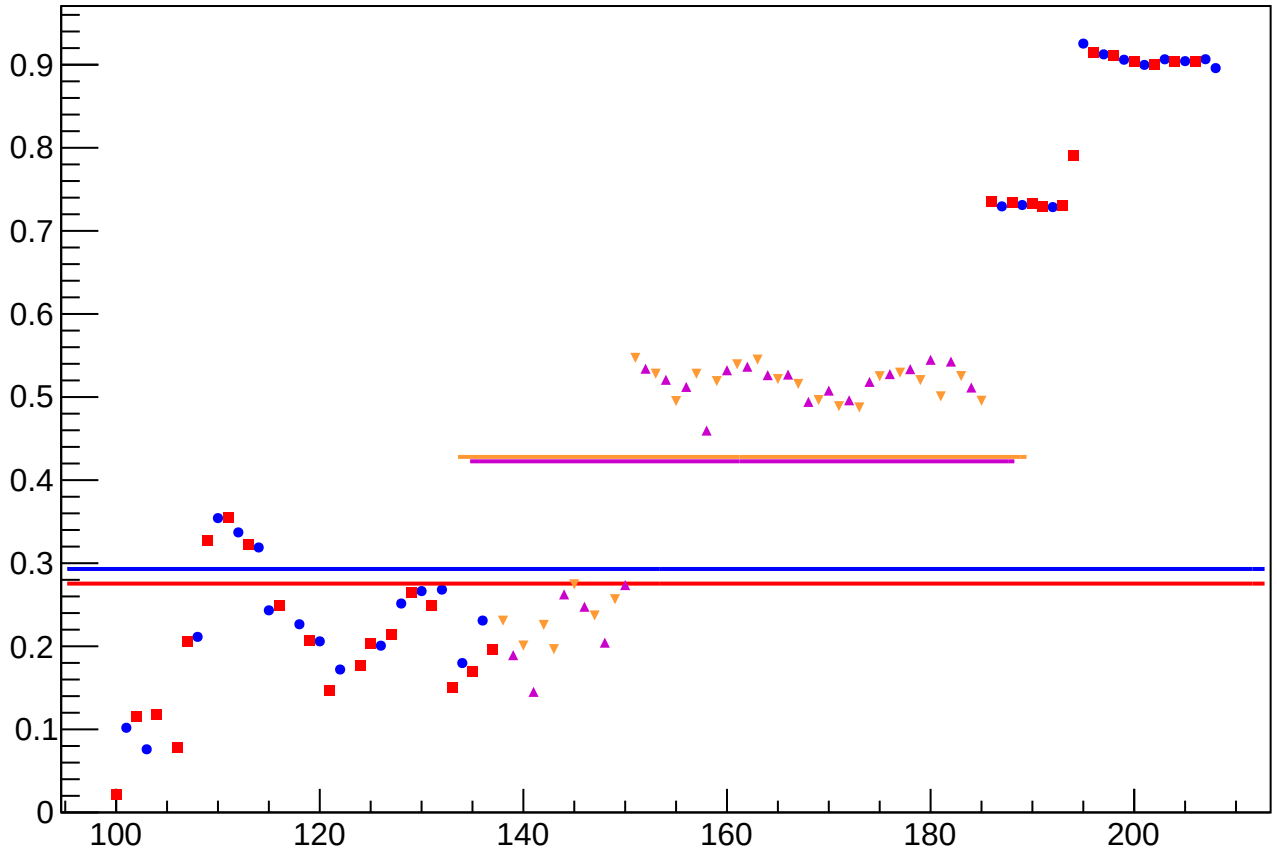
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 5601578.7/51

All: 0.004+/-0.000 χ^2/NDF: 11345871.0/105

- sign 0.004+/-0.000 χ^2/NDF: 5744129.7/53

yield_bpm2i01X_mean vs Slug



Right In: 0.293+/-0.000 χ^2/NDF: 186392456415.9/26

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.275+/-0.000 χ^2/NDF: 194653985214.7/30

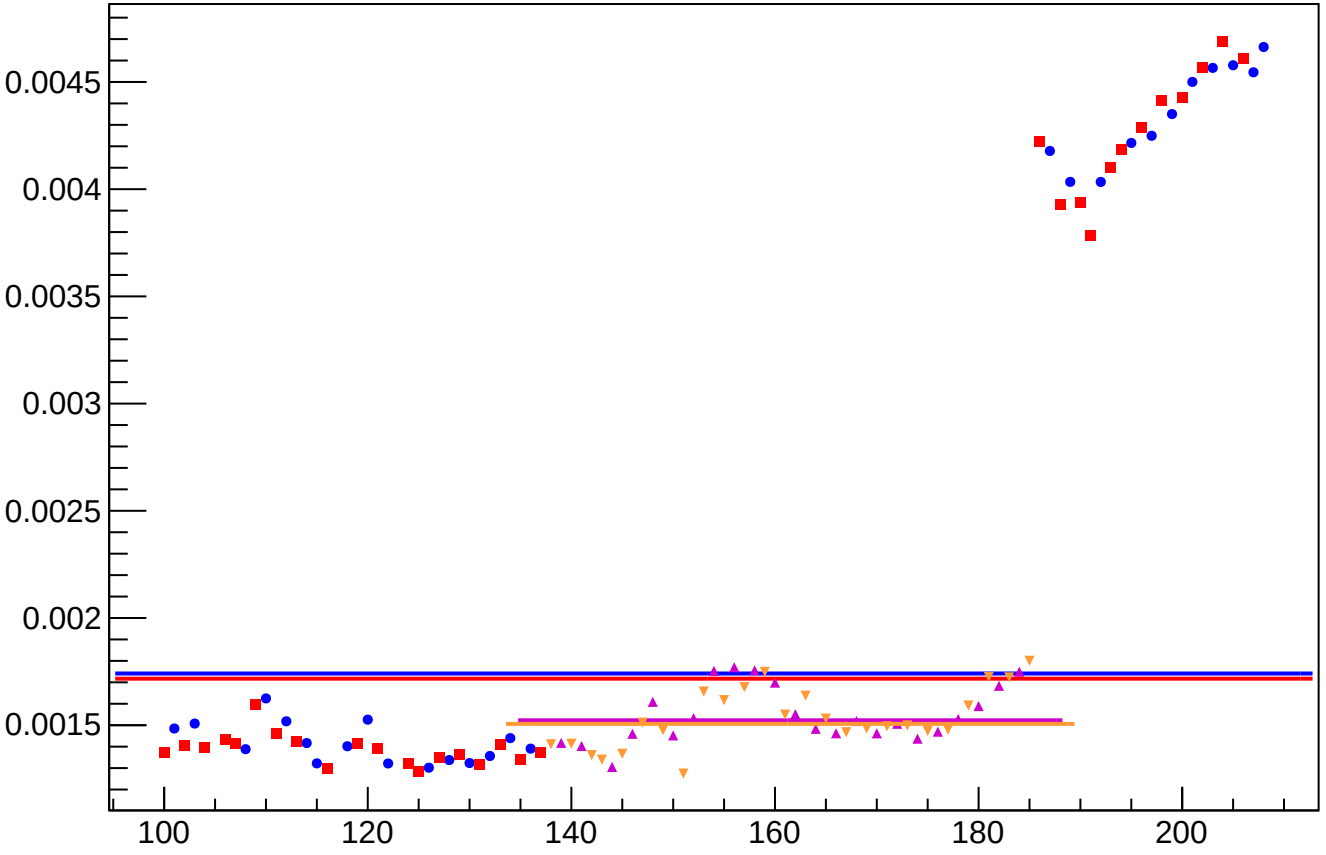
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.385+/-0.000 χ^2/NDF: 389151591572.6/51

All: 0.378+/-0.000 χ^2/NDF: 802896919797.2

- sign 0.370+/-0.000 χ^2/NDF: 412476131380.7/53

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7026986.4/26

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

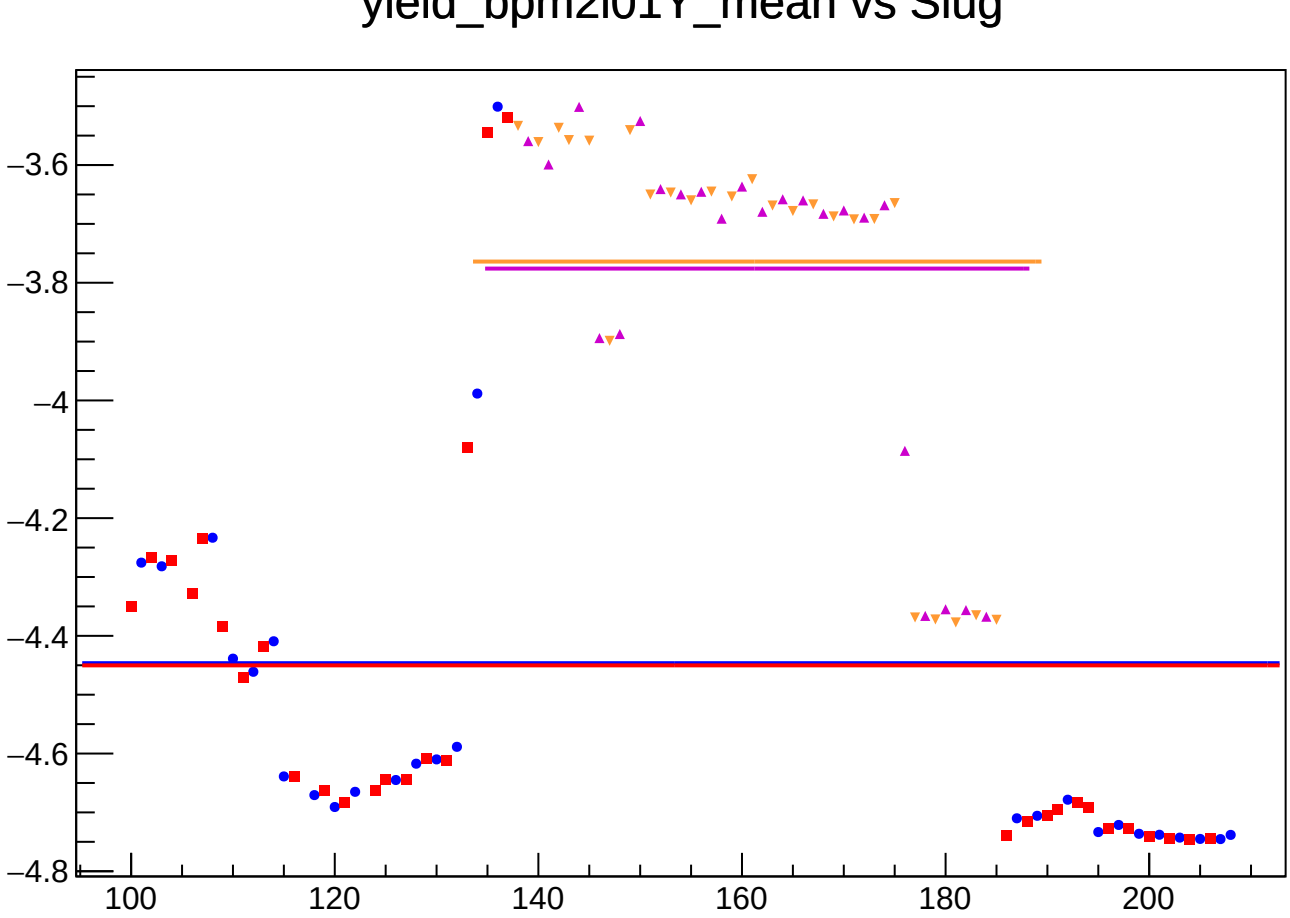
Right Out: 0.002+/-0.000 χ^2/NDF: 7295767.8/30

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 7602939.1/51

All: 0.002+/-0.000 χ^2/NDF: 15342516.4/105

- sign 0.002+/-0.000 χ^2/NDF: 7738251.3/53



Right In: -4.446+/-0.000 χ^2/NDF: 429022006145.7/26

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.450+/-0.000 χ^2/NDF: 374303617358.3/30

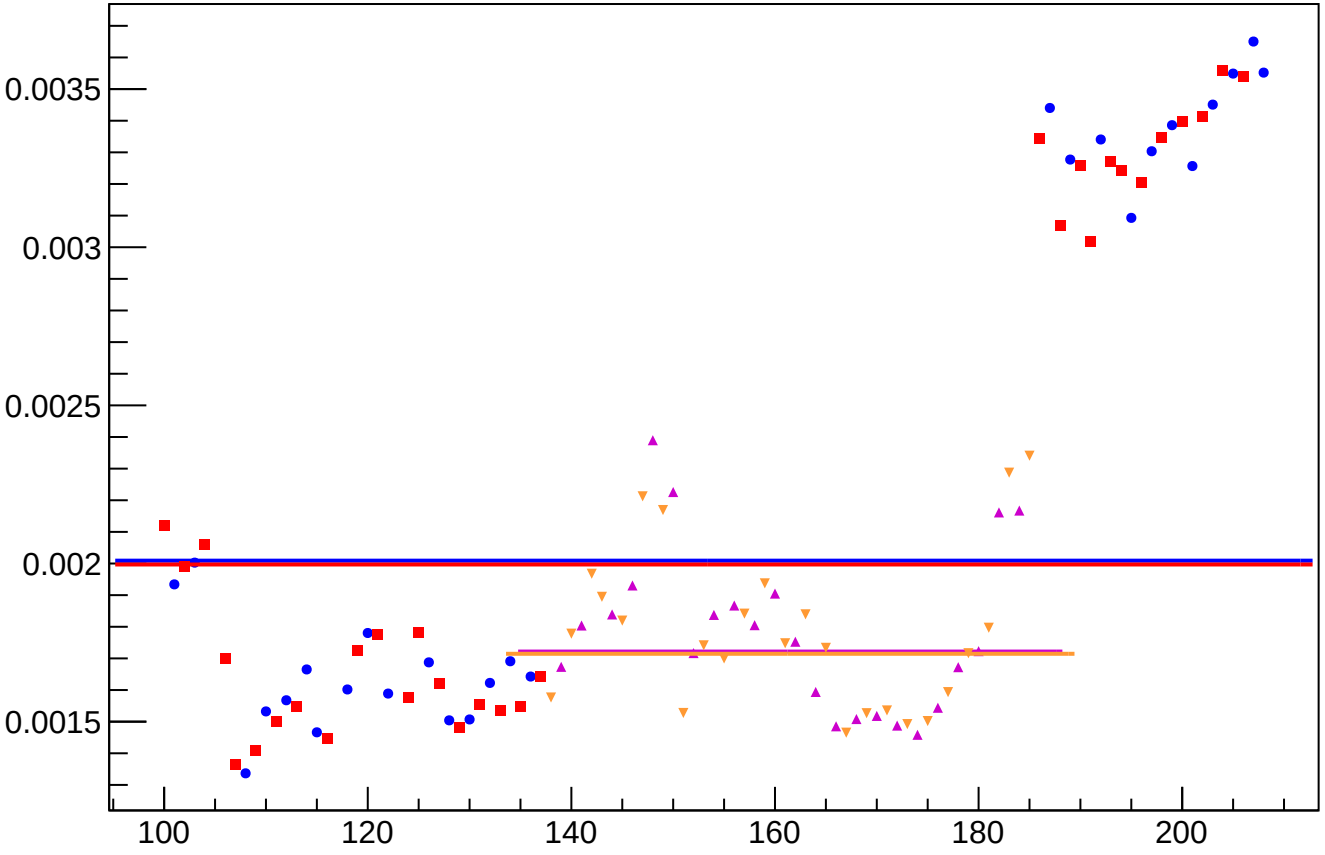
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -4.001+/-0.000 χ^2/NDF: 1933990481115.3/5

All: -4.015+/-0.000 χ^2/NDF: 3724790462789

- sign -4.029+/-0.000 χ^2/NDF: 1787199008816.2/53

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3755908.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3852153.9/30

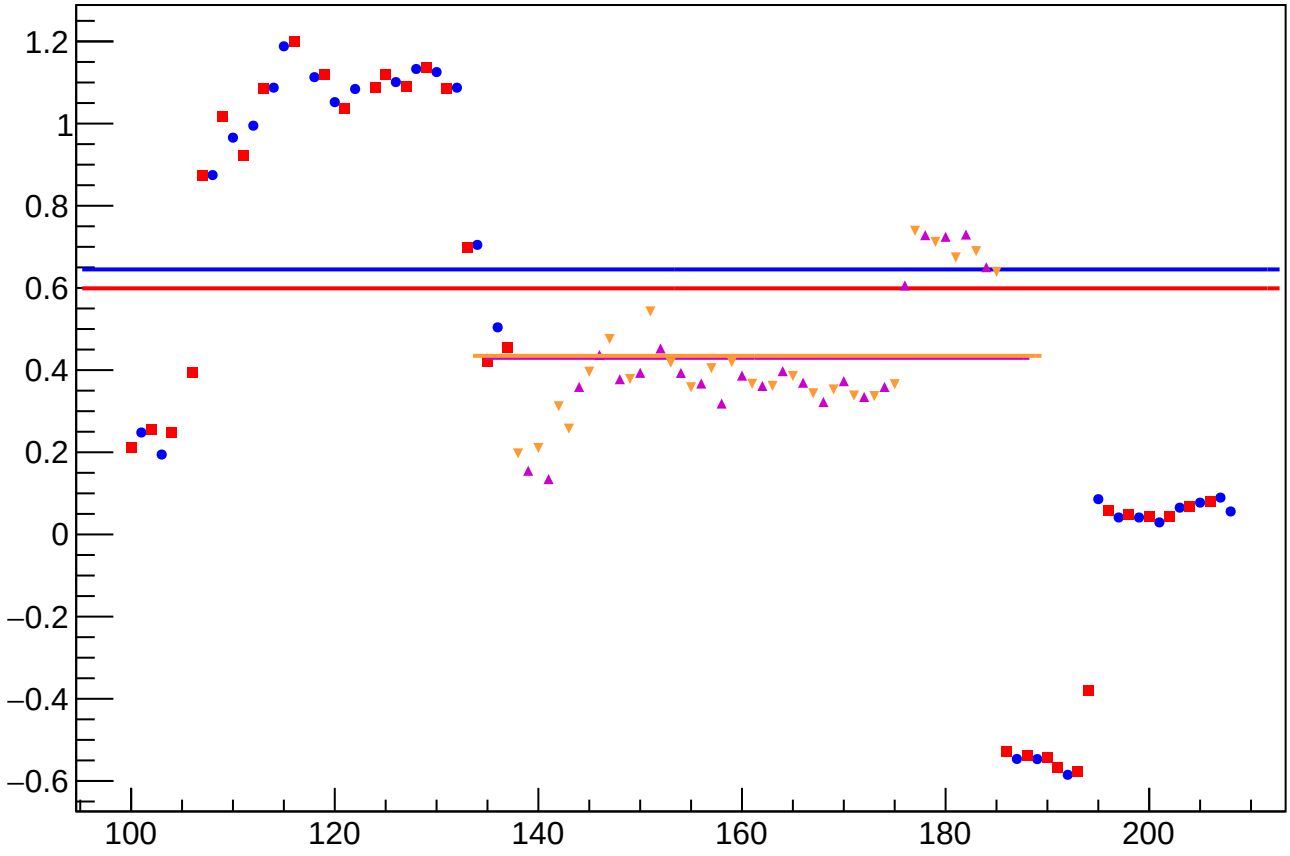
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 4698556.9/51

All: 0.002+/-0.000 χ^2/NDF: 9470081.7/105

- sign 0.002+/-0.000 χ^2/NDF: 4770929.2/53

yield_bpm2i02X_mean vs Slug



Right In: 0.645+/-0.000 χ^2/NDF: 68006058712.4/26

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.599+/-0.000 χ^2/NDF: 86843714019.7/30

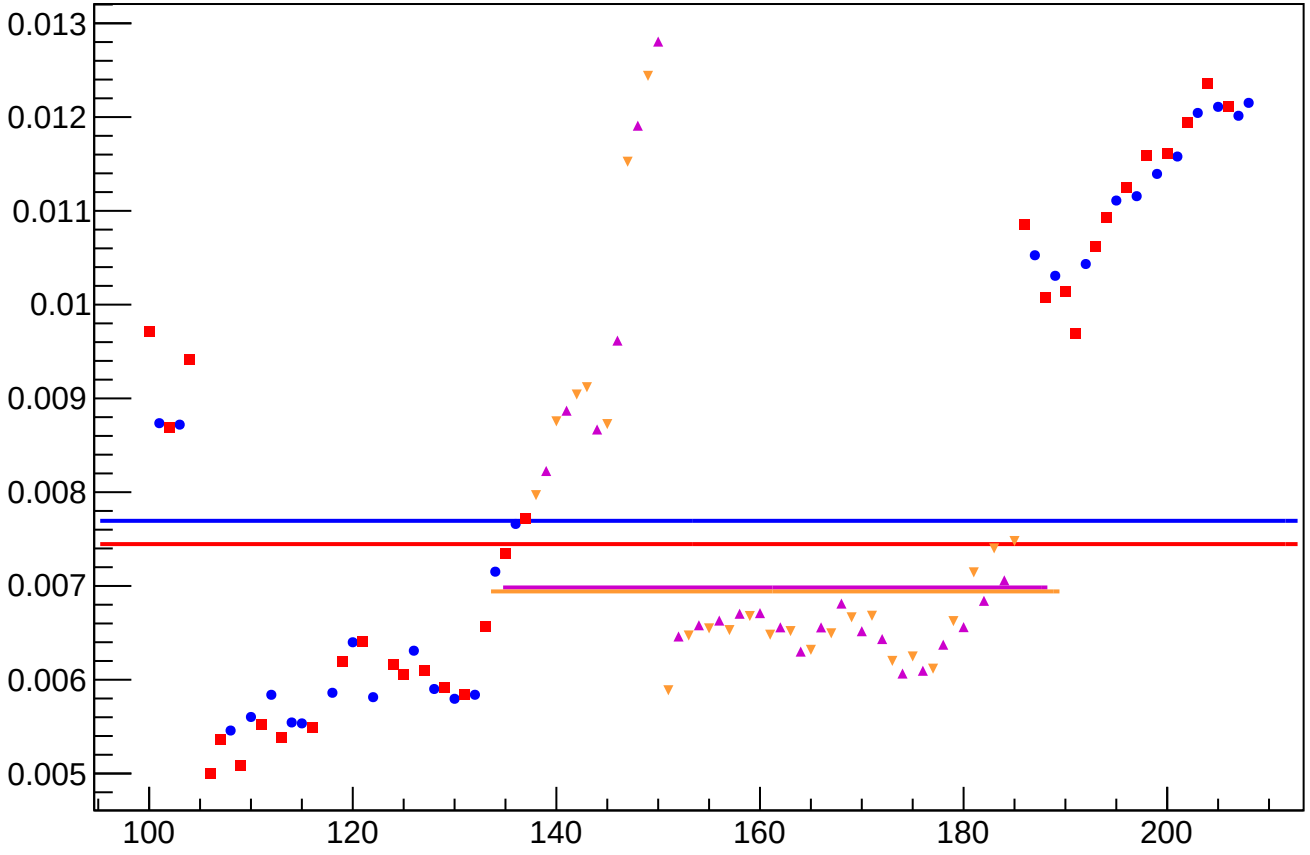
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.515+/-0.000 χ^2/NDF: 83109024124.5/51

All: 0.509+/-0.000 χ^2/NDF: 183444617822.0

- sign 0.502+/-0.000 χ^2/NDF: 100274645910.2/53

yield_bpm2i02X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 2839416.1/26

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

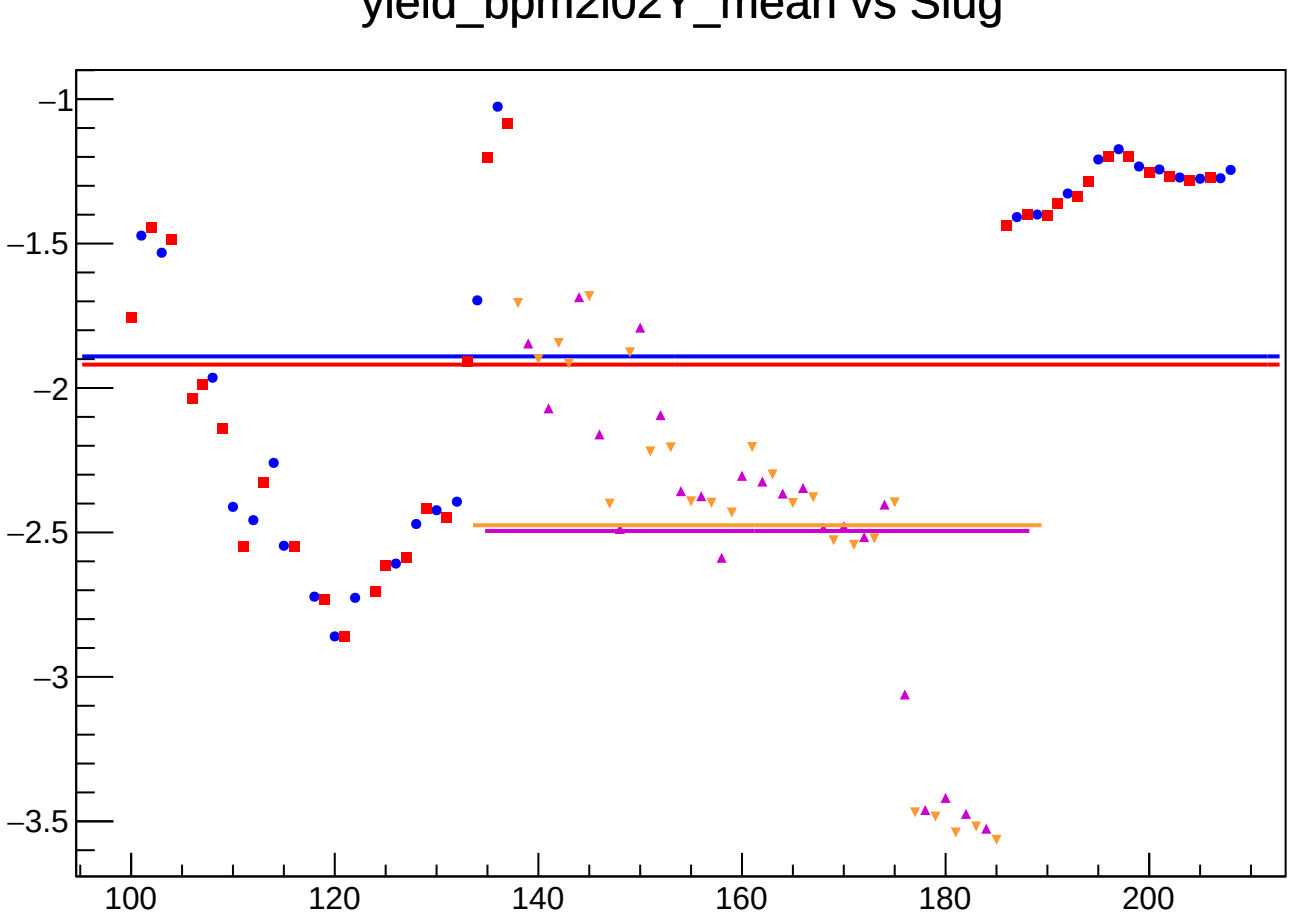
Right Out: 0.007+/-0.000 χ^2/NDF: 3204735.7/30

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 4099091.7/51

All: 0.007+/-0.000 χ^2/NDF: 8507686.8/105

- sign 0.007+/-0.000 χ^2/NDF: 4406964.4/53



Right In: -1.891+/-0.000 χ^2/NDF: 111276498311.6/26

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.919+/-0.000 χ^2/NDF: 106379527329.4/30

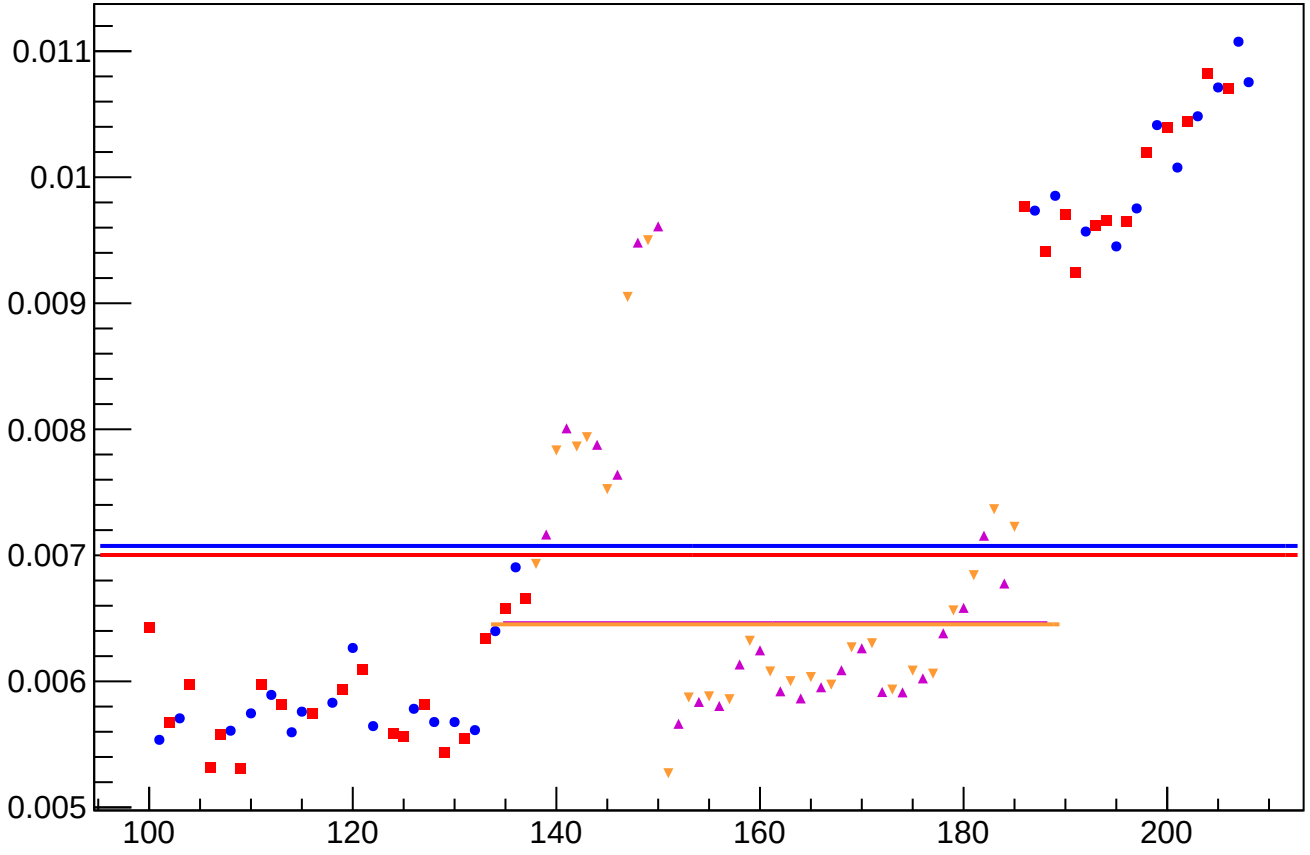
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.246+/-0.000 χ^2/NDF: 294995618238.0/51

All: -2.250+/-0.000 χ^2/NDF: 557951045501.8

- sign -2.253+/-0.000 χ^2/NDF: 262938791623.0/53

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 2303620.7/26

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

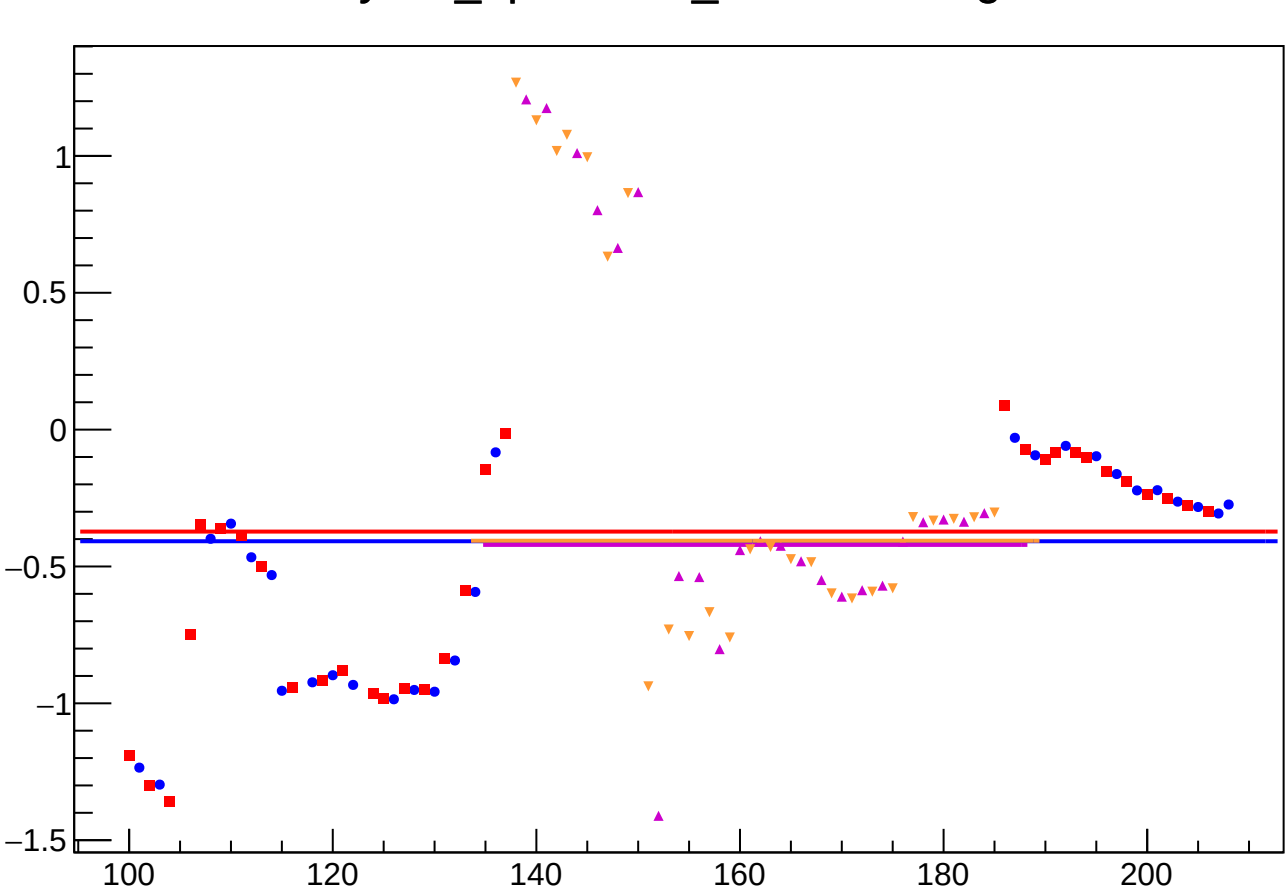
Right Out: 0.007+/-0.000 χ^2/NDF: 2350379.2/30

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 3154568.0/51

All: 0.007+/-0.000 χ^2/NDF: 6331266.9/105

- sign 0.007+/-0.000 χ^2/NDF: 3176661.6/53



Right In: -0.408+/-0.000 χ^2/NDF: 24228049560.6/26

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.373+/-0.000 χ^2/NDF: 27041378658.4/30

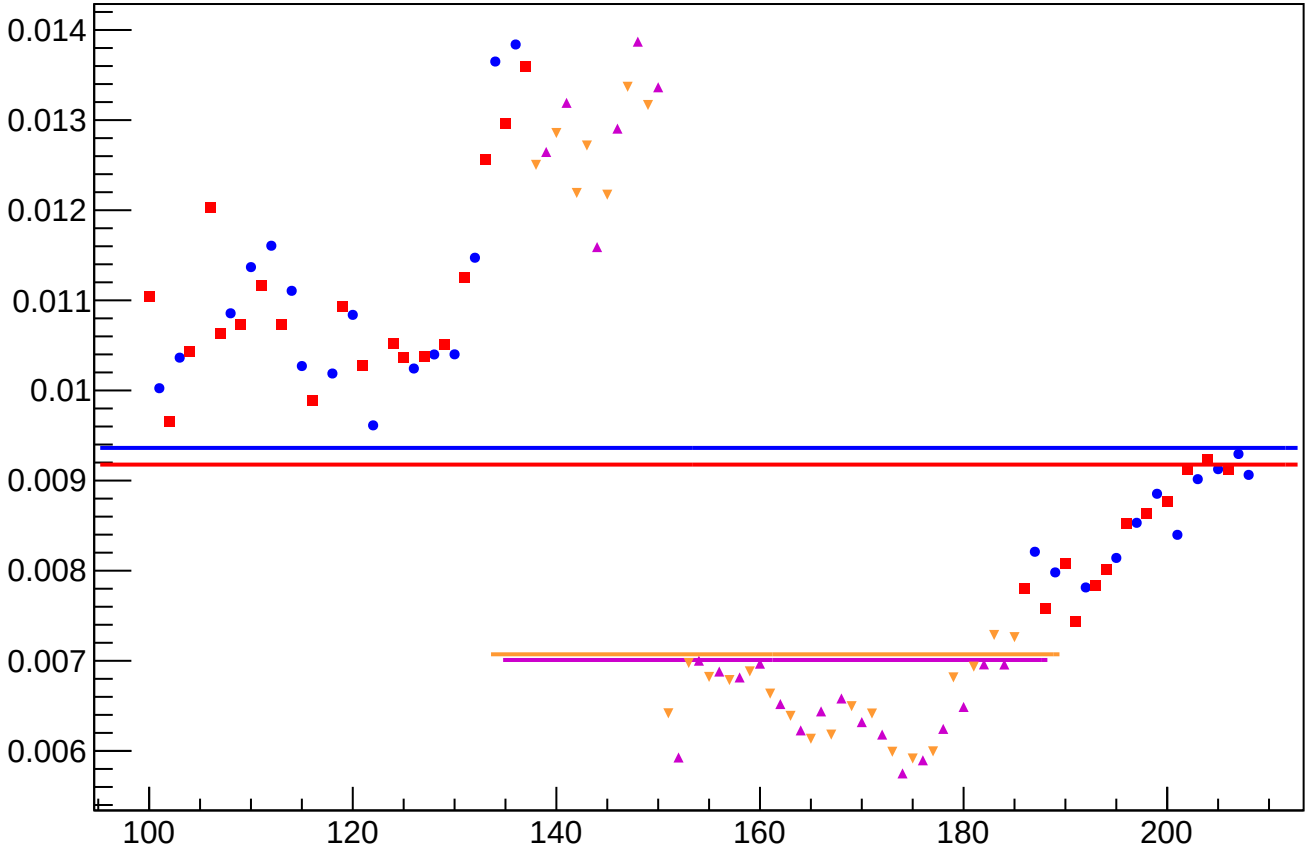
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.407+/-0.000 χ^2/NDF: 105862092388.4/51

All: -0.405+/-0.000 χ^2/NDF: 223433296290.8

- sign -0.404+/-0.000 χ^2/NDF: 117569378634.0/53

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 628862.8/26

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

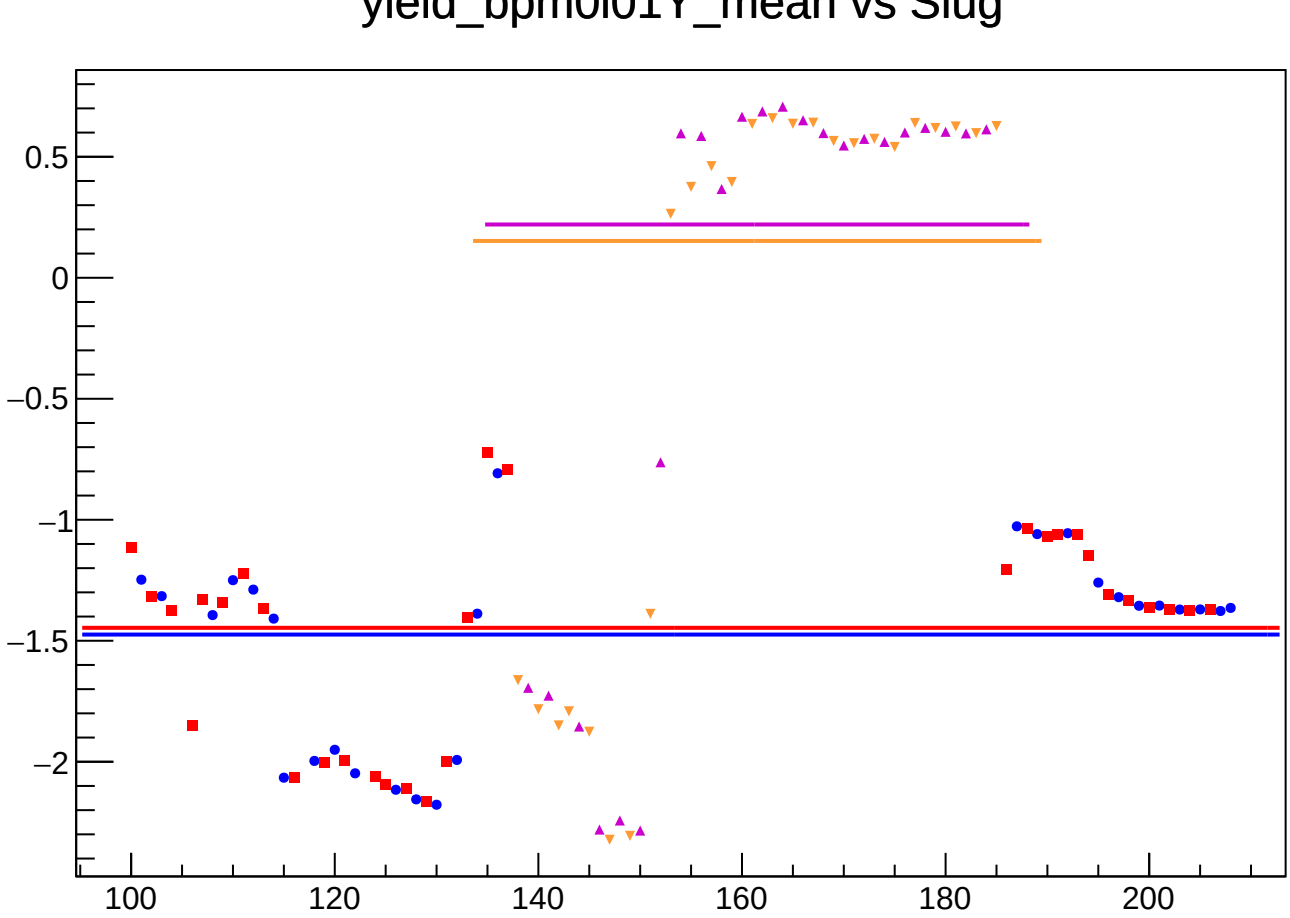
Right Out: 0.009+/-0.000 χ^2/NDF: 675348.2/30

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4237531.4/51

All: 0.008+/-0.000 χ^2/NDF: 8507040.9/105

- sign 0.008+/-0.000 χ^2/NDF: 4268312.6/53



Right In: -1.474+/-0.000 χ^2/NDF: 183359495513.3/26

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.447+/-0.000 χ^2/NDF: 172229976073.0/30

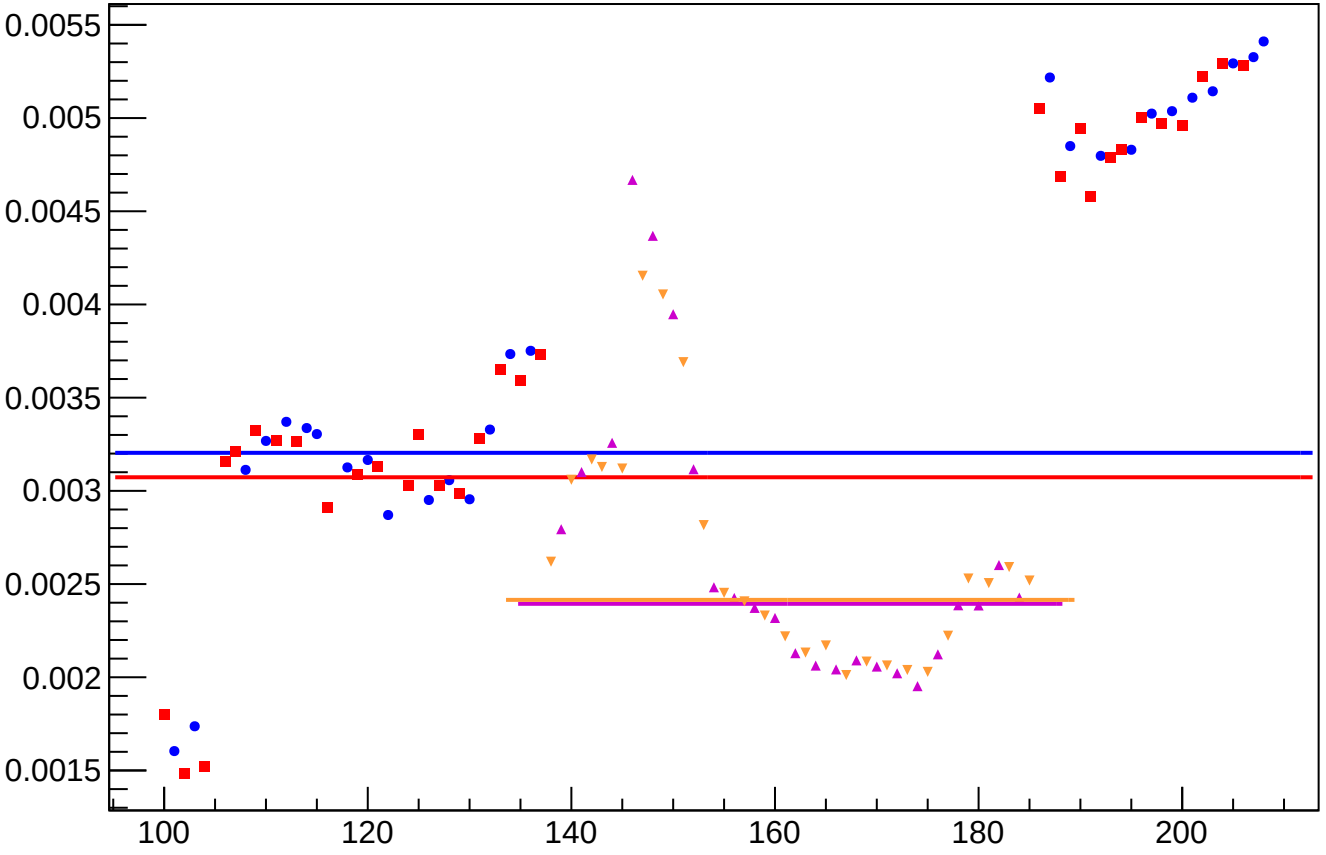
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.335+/-0.000 χ^2/NDF: 4901194785512.7/5

All: -0.332+/-0.000 χ^2/NDF: 9746465795480

- sign -0.329+/-0.000 χ^2/NDF: 4845191047212.0/53

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4242142.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

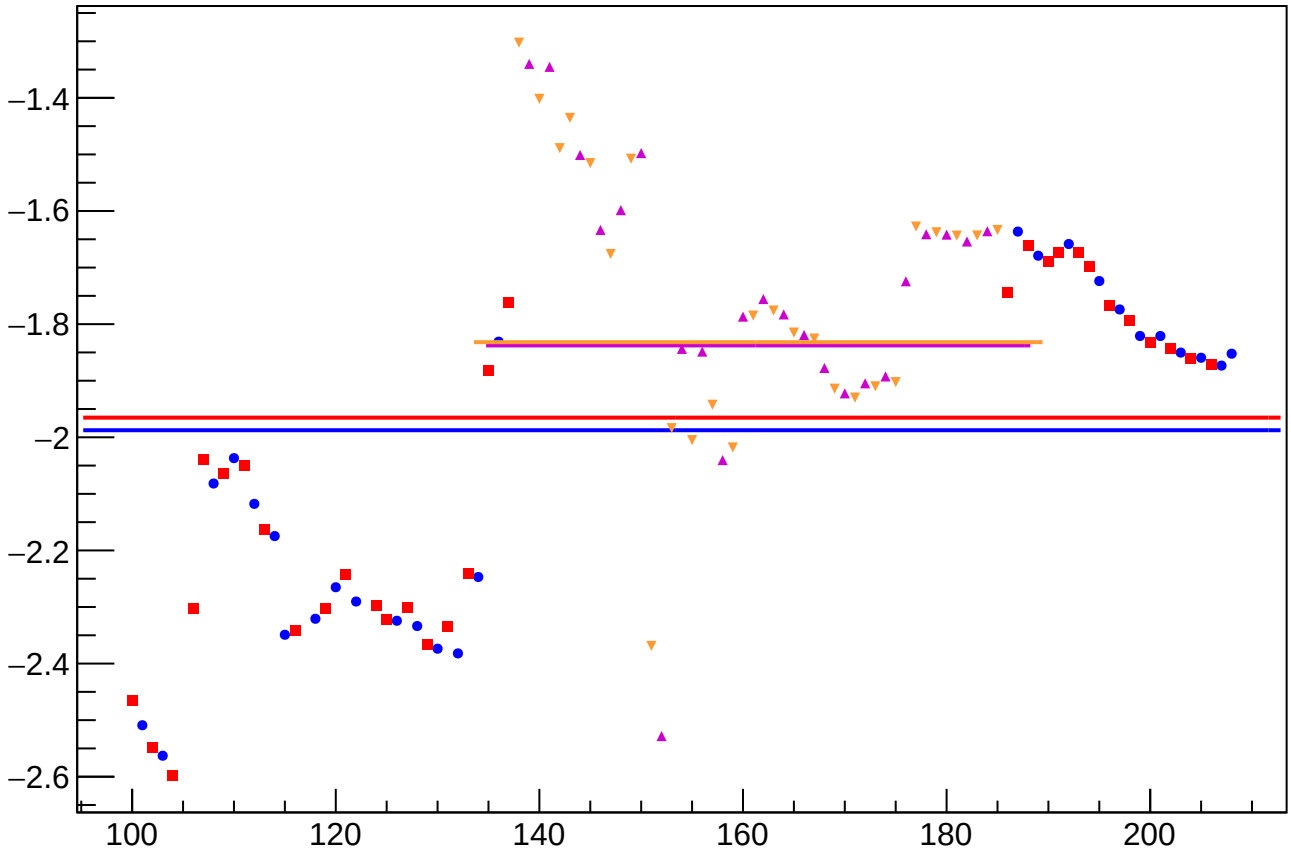
Right Out: 0.003+/-0.000 χ^2/NDF: 5015078.2/30

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 6553517.2/51

All: 0.003+/-0.000 χ^2/NDF: 13829315.8/105

- sign 0.003+/-0.000 χ^2/NDF: 7271042.8/53



Right In: -1.988+/-0.000 χ^2/NDF: 33387582111.7/26

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.965+/-0.000 χ^2/NDF: 37356303029.5/30

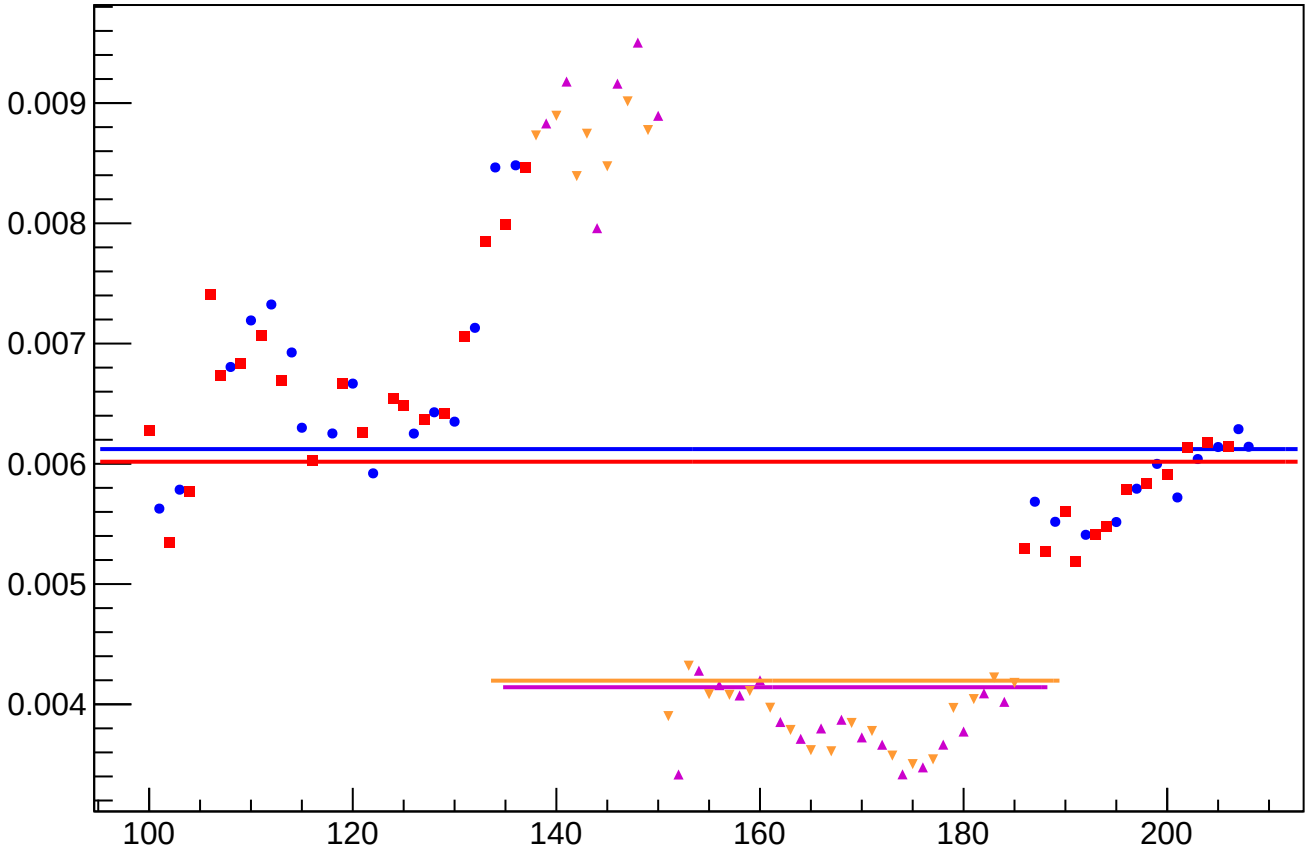
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.878+/-0.000 χ^2/NDF: 78704124626.7/51

All: -1.878+/-0.000 χ^2/NDF: 174354494550.5

- sign -1.878+/-0.000 χ^2/NDF: 95650261824.5/53

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 366962.5/26

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 380318.7/30

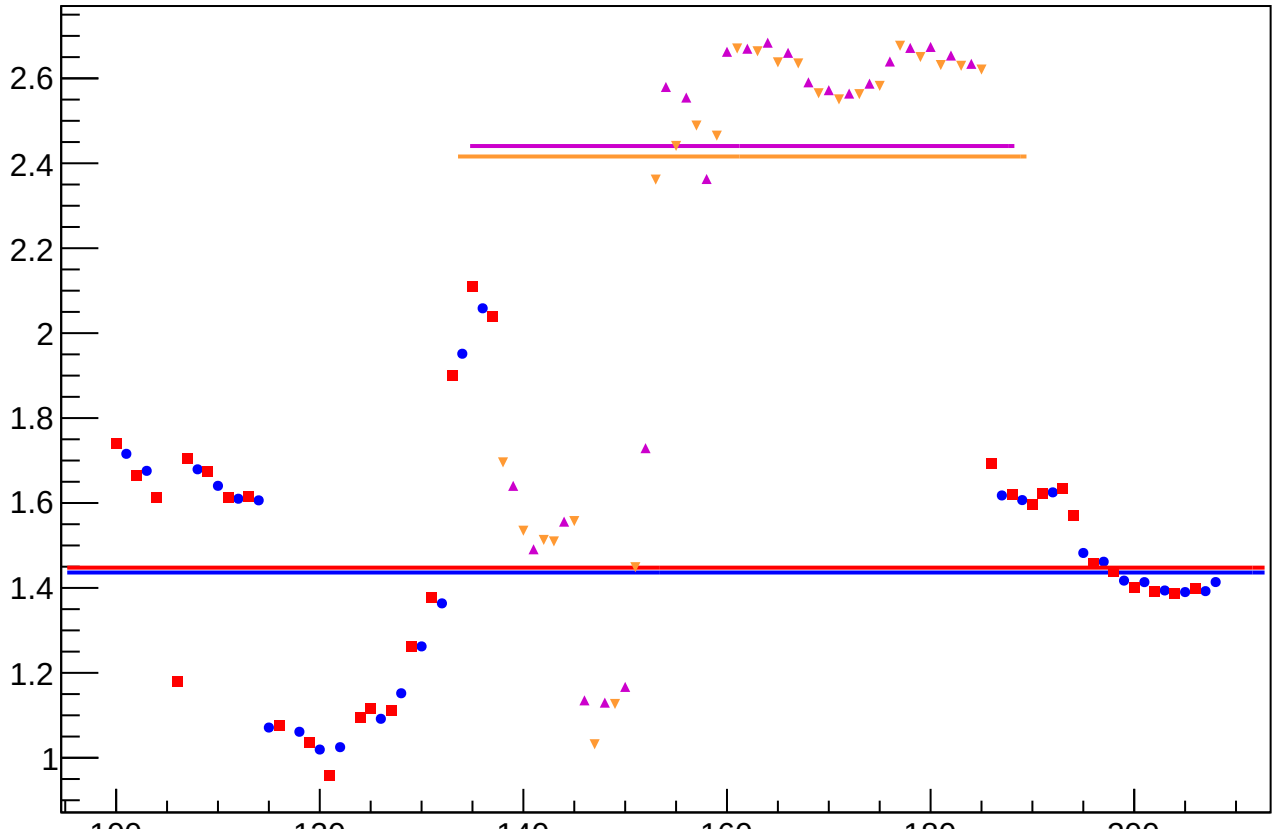
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 5586288.7/51

All: 0.005+/-0.000 χ^2/NDF: 11257622.2/105

- sign 0.005+/-0.000 χ^2/NDF: 5670340.5/53

yield_bpm0i01aY_mean vs Slug



Right In: 1.436+/-0.000 χ^2/NDF: 191483299925.3/26

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

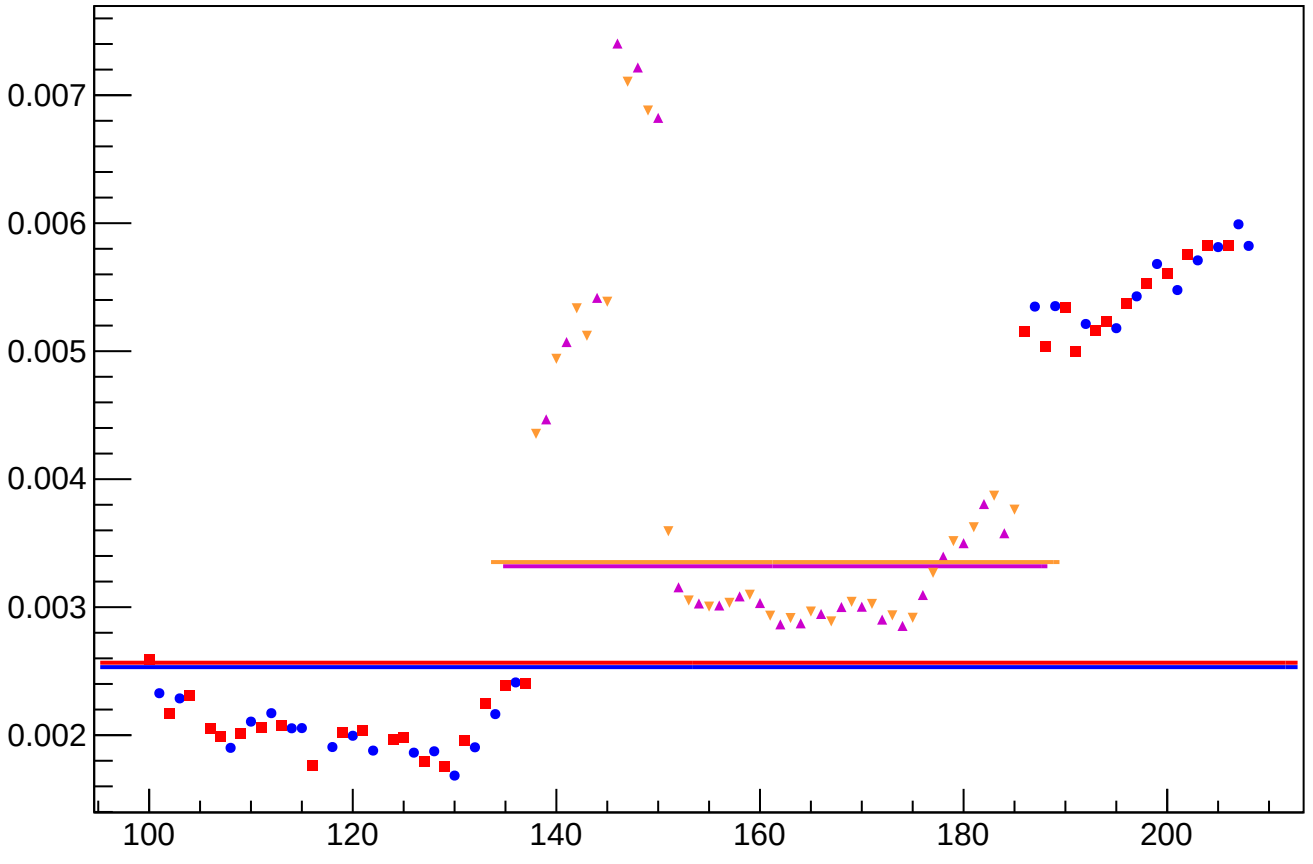
Right Out: 1.448+/-0.000 χ^2/NDF: 186627292583.6/30

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.877+/-0.000 χ^2/NDF: 1254780583545.8/51

All: 1.878+/-0.000 χ^2/NDF: 2500105440448.

- sign 1.879+/-0.000 χ^2/NDF: 1245318070967.1/53



Right In: 0.003+/-0.000 χ^2/NDF: 6045604.8/26

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

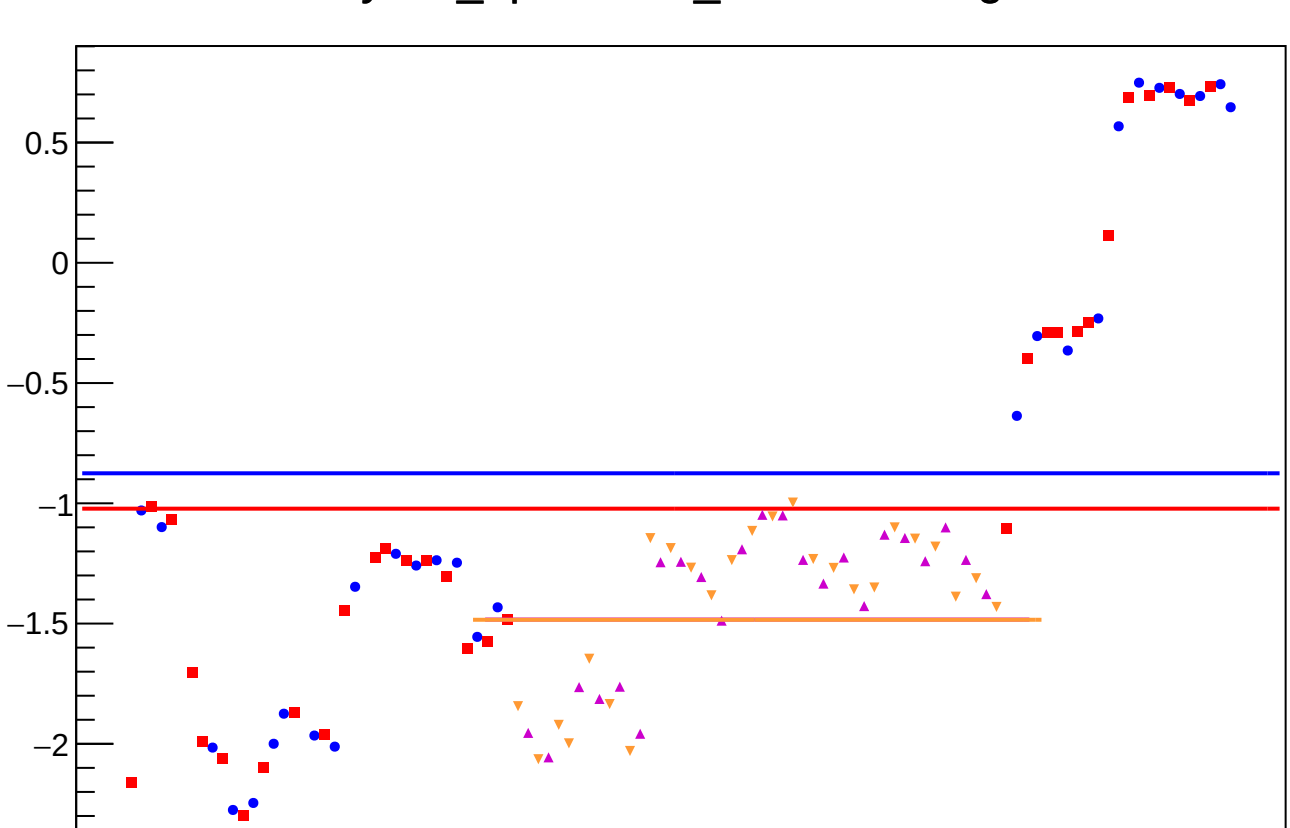
Right Out: 0.003+/-0.000 χ^2/NDF: 6002320.7/30

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 9017382.2/51

All: 0.003+/-0.000 χ^2/NDF: 18028277.4/105

- sign 0.003+/-0.000 χ^2/NDF: 9010707.6/53



Right In: -0.875+/-0.000 χ^2/NDF: 203341737699.6/26

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.022+/-0.000 χ^2/NDF: 216538090268.0/30

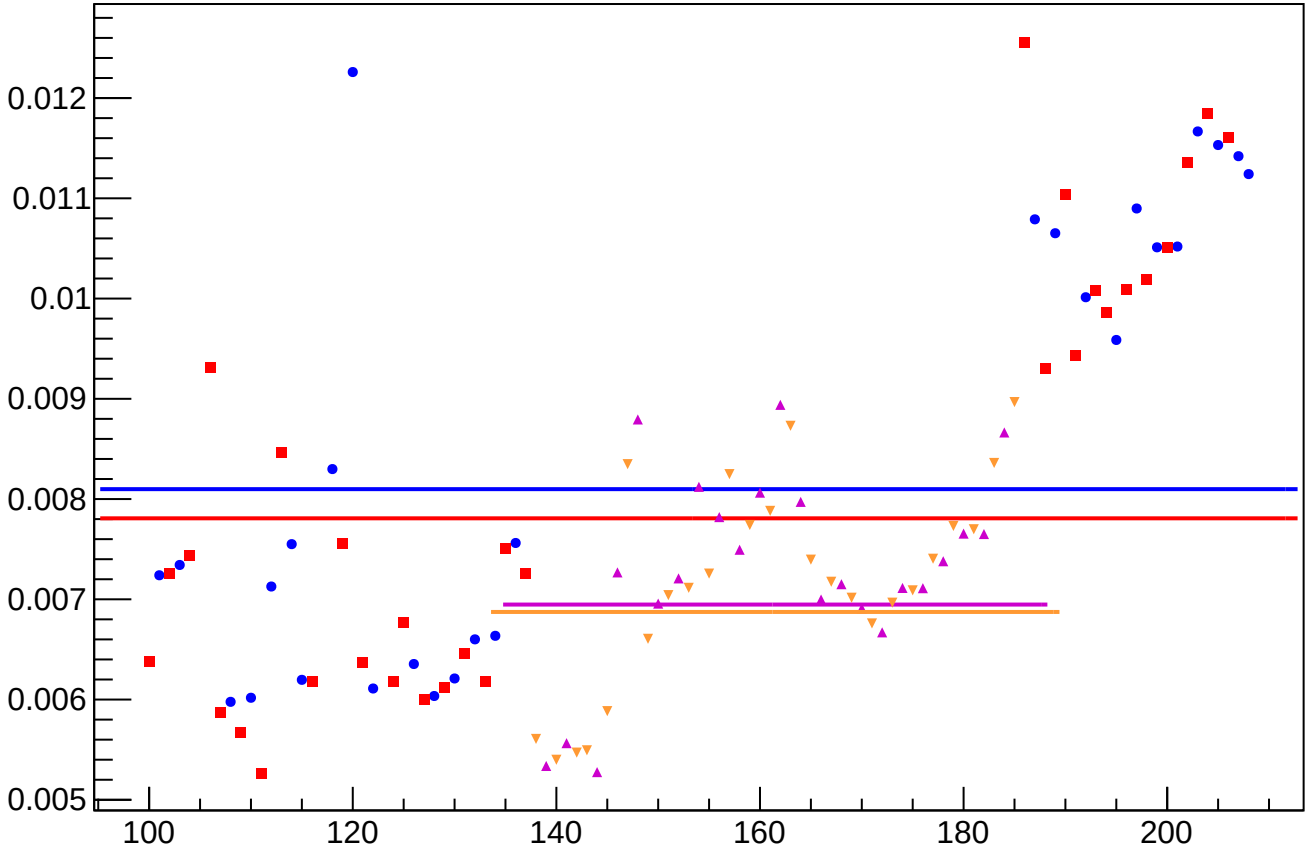
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.266+/-0.000 χ^2/NDF: 302707314651.1/51

All: -1.281+/-0.000 χ^2/NDF: 590301216755.5

- sign -1.296+/-0.000 χ^2/NDF: 287322284045.1/53

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1798674.3/26

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

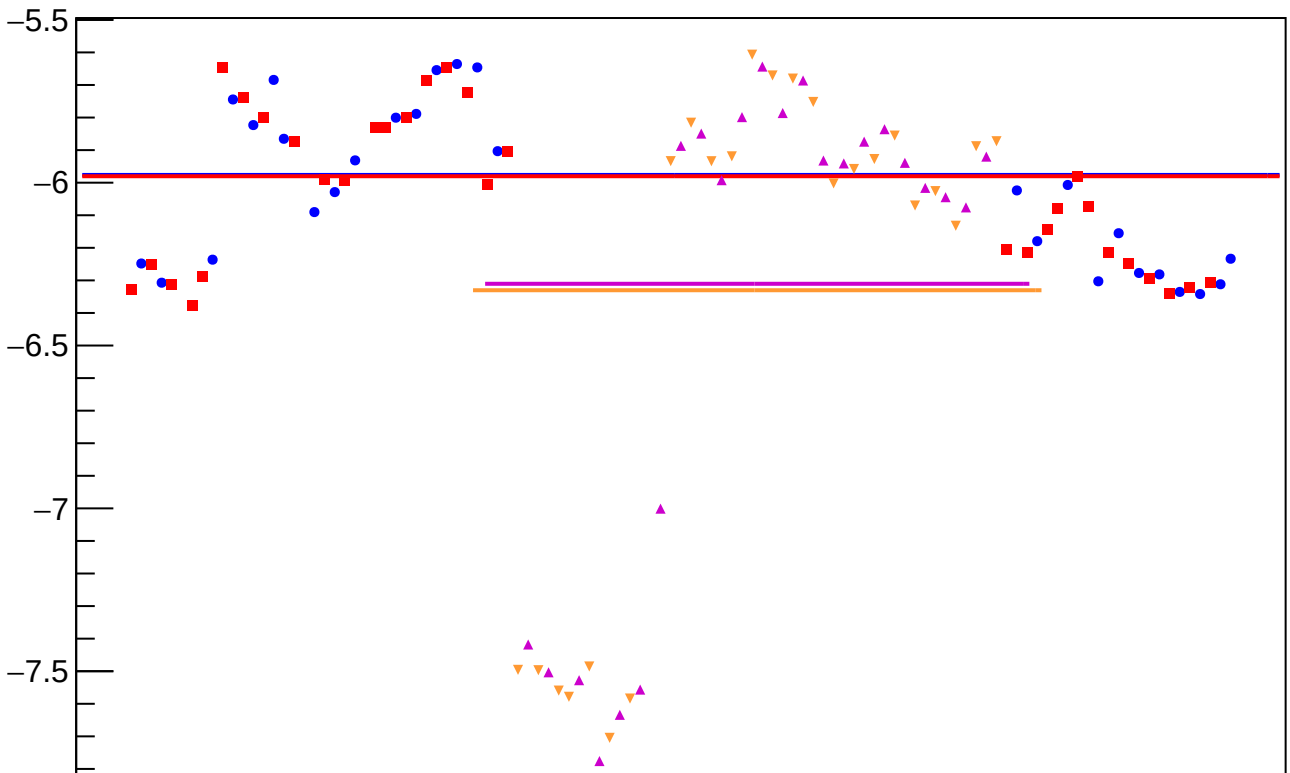
Right Out: 0.008+/-0.000 χ^2/NDF: 2015033.7/30

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 2956288.7/51

All: 0.007+/-0.000 χ^2/NDF: 5930070.3/105

- sign 0.007+/-0.000 χ^2/NDF: 2973627.5/53



Right In: -5.976+/-0.000 χ^2/NDF: 15779223792.2/26

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.980+/-0.000 χ^2/NDF: 16281463852.9/30

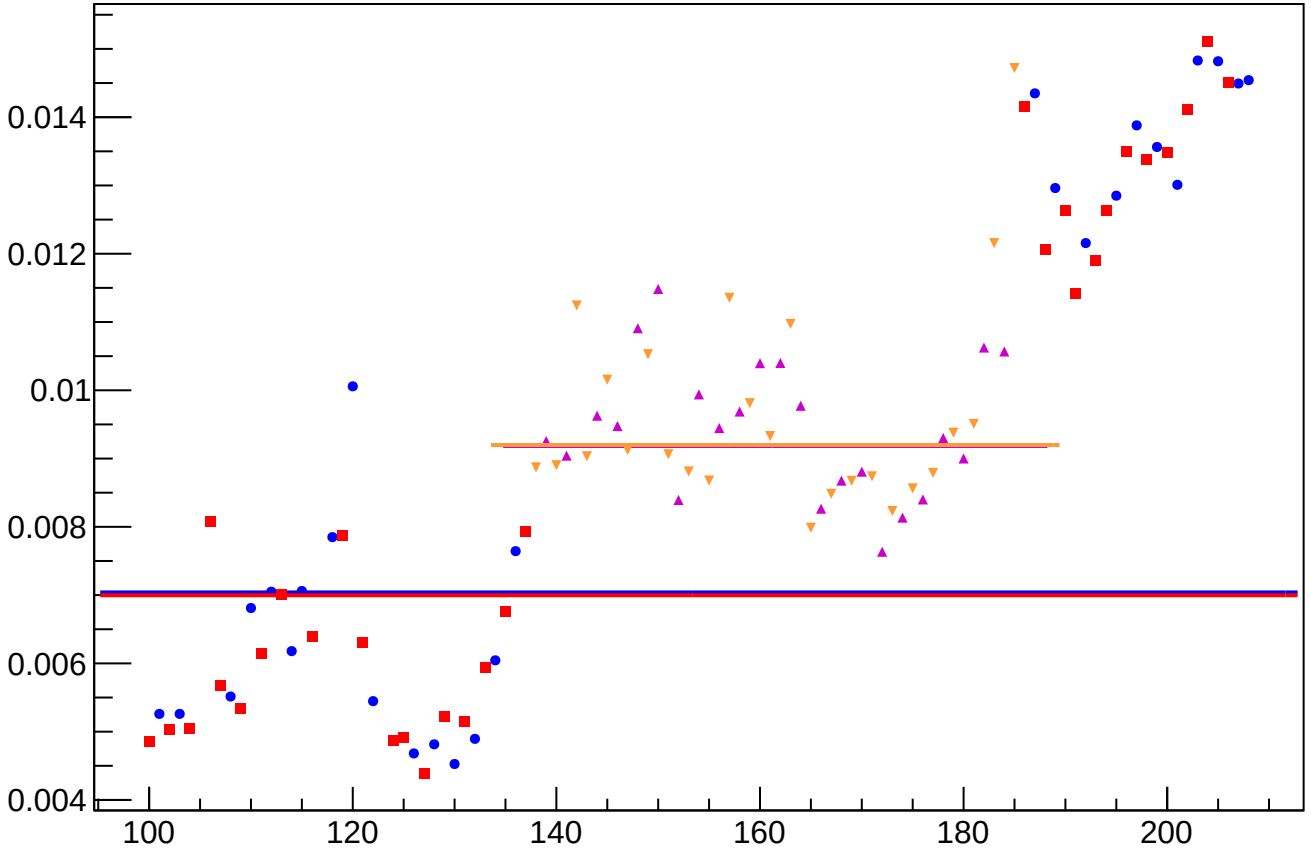
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.132+/-0.000 χ^2/NDF: 139491126739.7/51

All: -6.124+/-0.000 χ^2/NDF: 259206865254.5

- sign -6.117+/-0.000 χ^2/NDF: 119663272138.6/53

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5277277.3/26

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

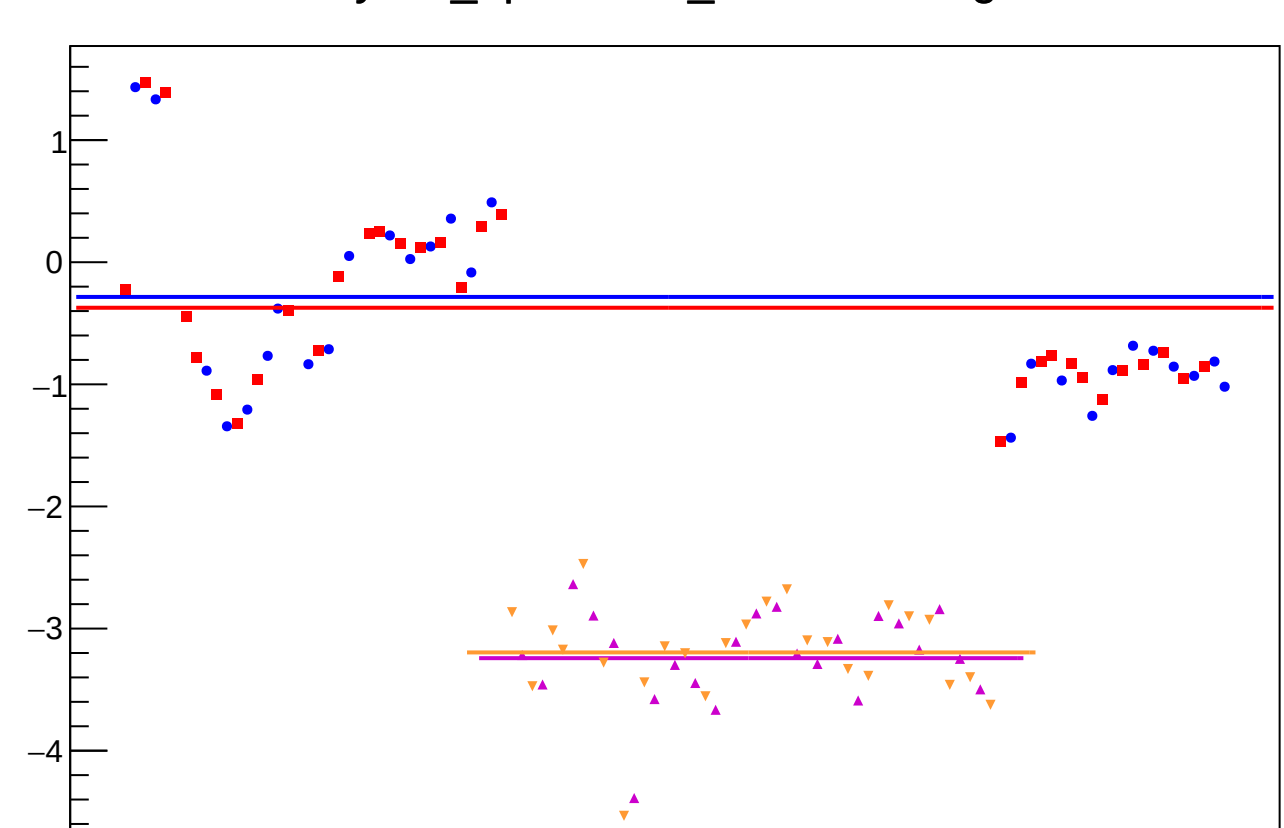
Right Out: 0.007+/-0.000 χ^2/NDF: 5130236.1/30

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 6640029.1/51

All: 0.008+/-0.000 χ^2/NDF: 13117816.7/105

- sign 0.008+/-0.000 χ^2/NDF: 6474318.7/53



Right In: -0.284+/-0.000 χ^2/NDF: 34267362735.8/26

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.373+/-0.000 χ^2/NDF: 35196206932.4/30

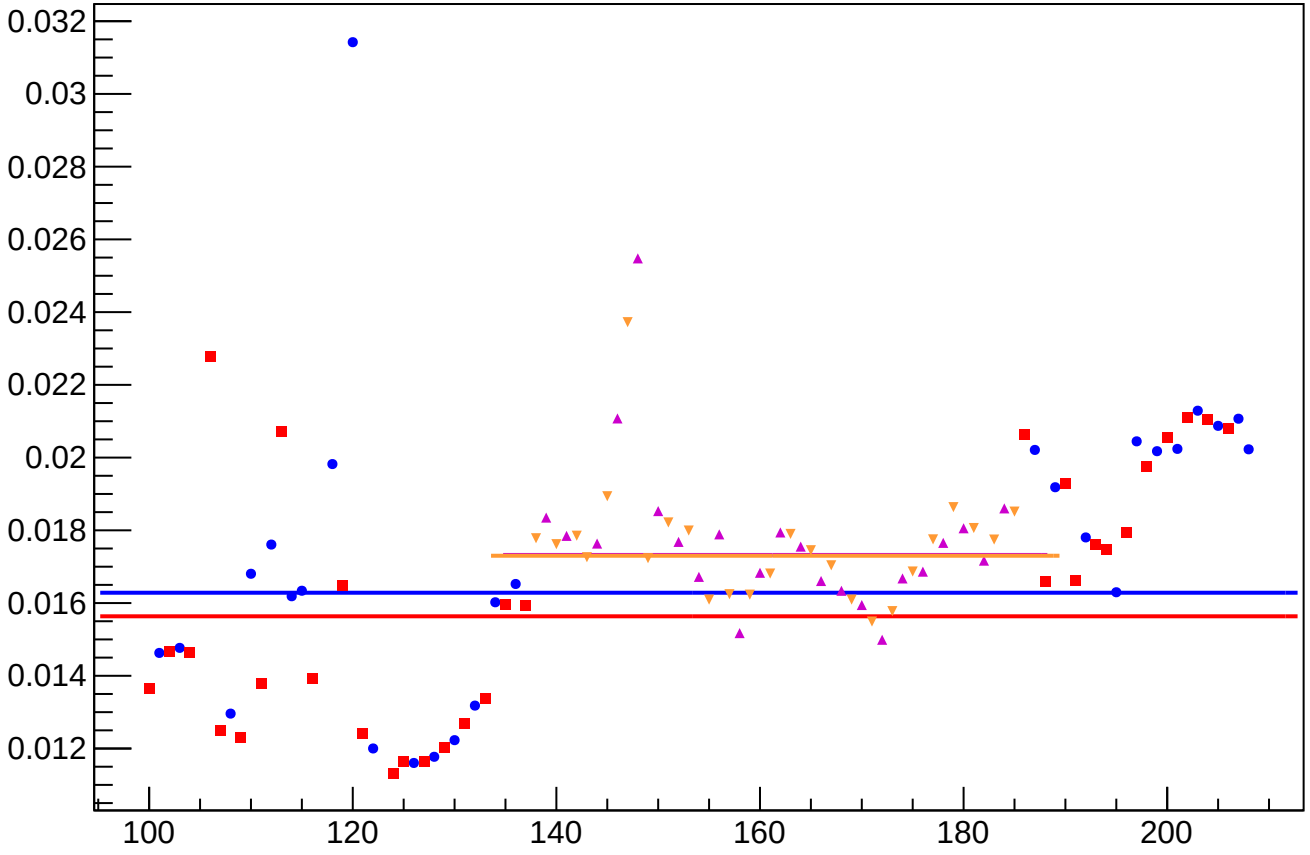
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.844+/-0.000 χ^2/NDF: 287988656730.4/51

All: -1.807+/-0.000 χ^2/NDF: 577985572944.0

- sign -1.771+/-0.000 χ^2/NDF: 289686195786.2/53

yield_bpm0l02X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 1351222.6/26

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

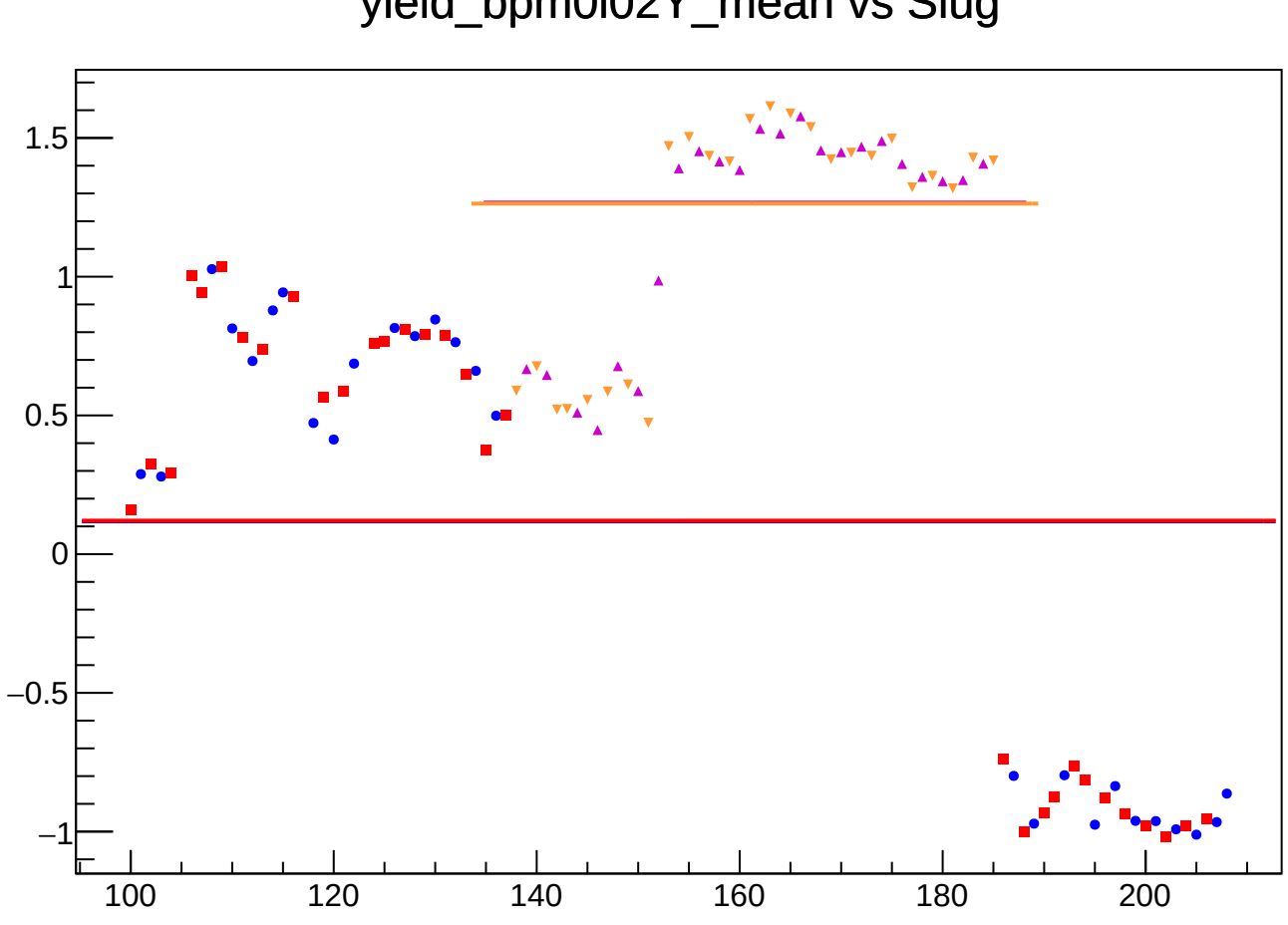
Right Out: 0.016+/-0.000 χ^2/NDF: 1318468.8/30

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.017+/-0.000 χ^2/NDF: 1628872.0/51

All: 0.017+/-0.000 χ^2/NDF: 3463842.9/105

- sign 0.016+/-0.000 χ^2/NDF: 1818754.4/53



Right In: 0.118+/-0.000 χ^2/NDF: 77416102807.8/26

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.121+/-0.000 χ^2/NDF: 86391438227.4/30

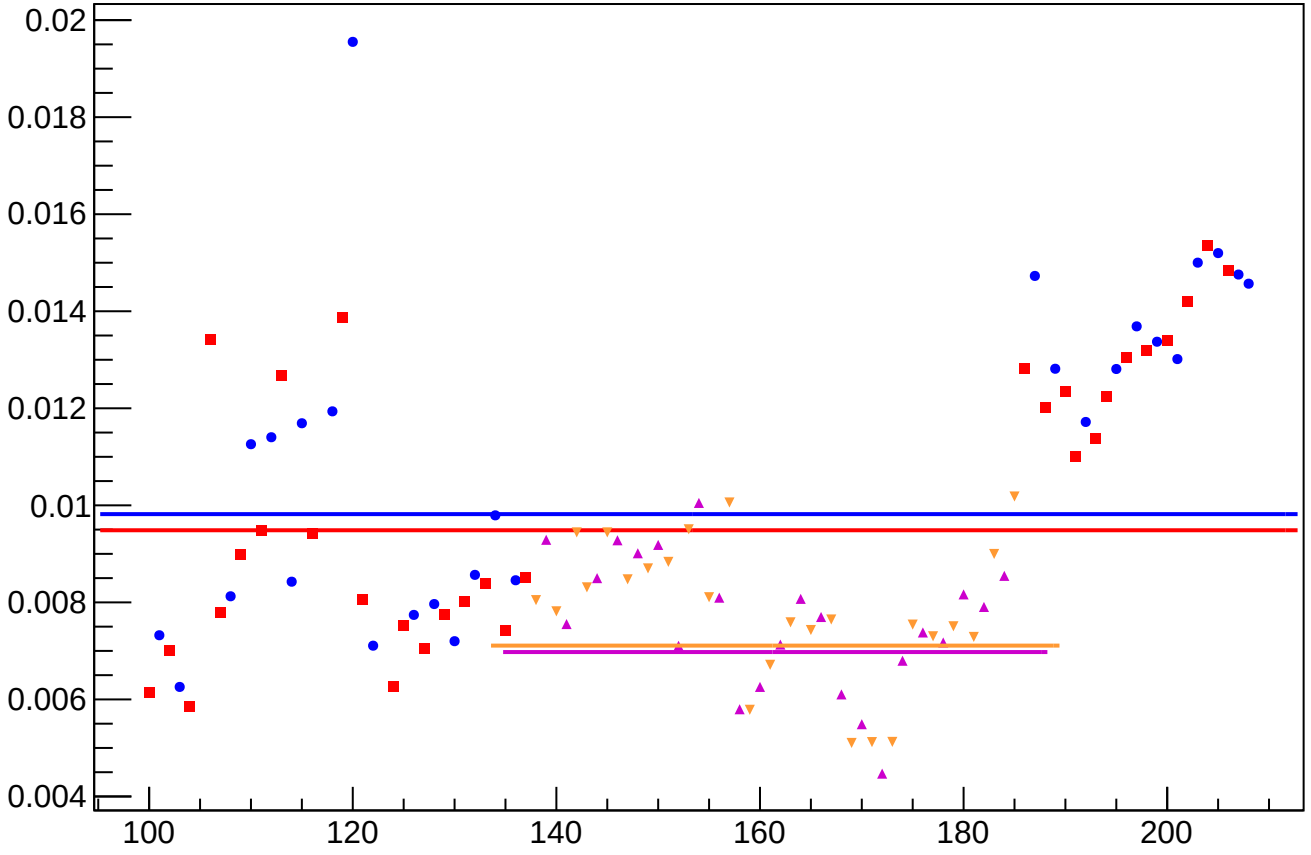
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 0.928+/-0.000 χ^2/NDF: 252172452692.3/51

All: 0.915+/-0.000 χ^2/NDF: 515956452769.7

- sign 0.902+/-0.000 χ^2/NDF: 263617446239.0/53

yield_bpm0l02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 2545539.7/26

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

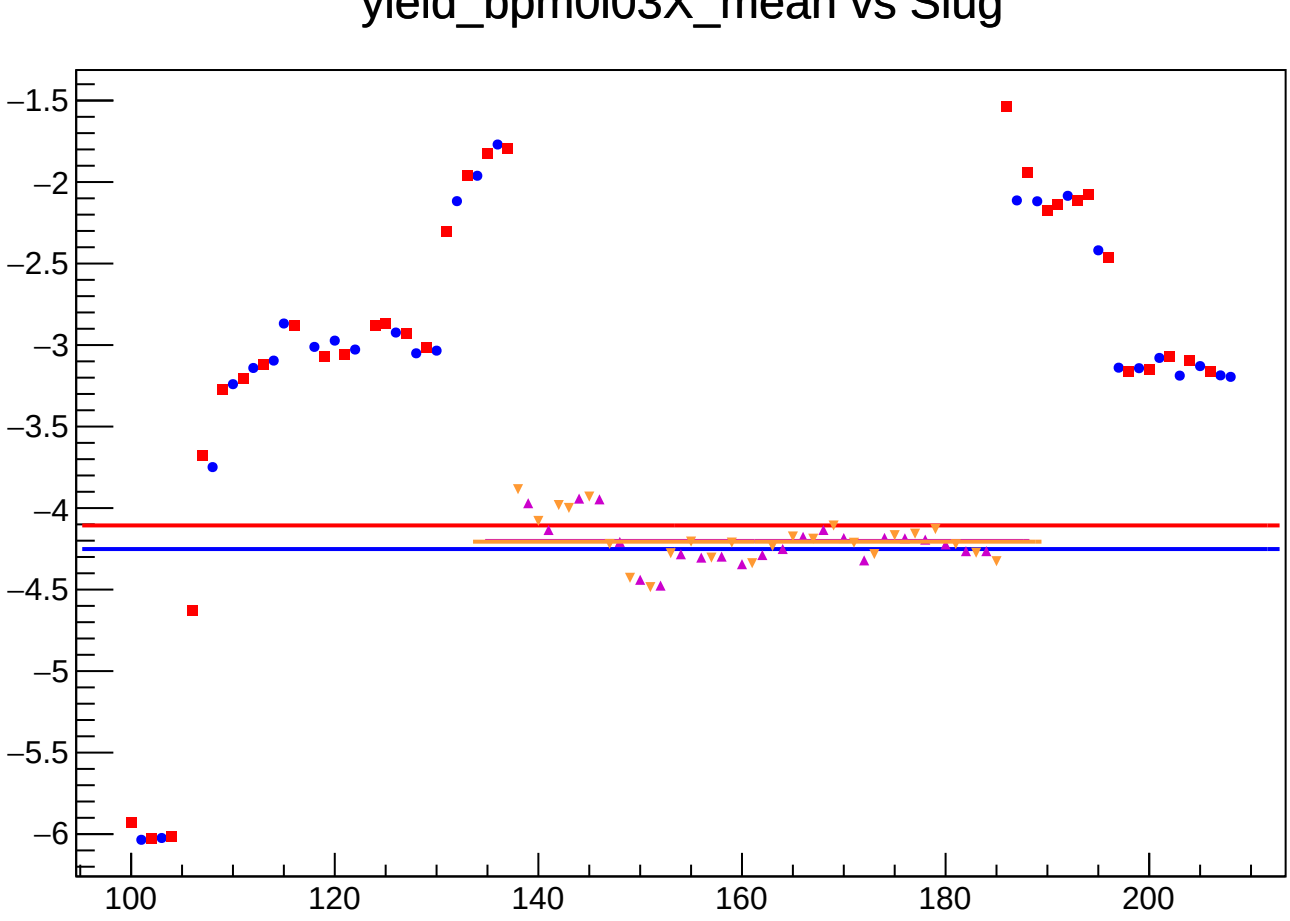
Right Out: 0.009+/-0.000 χ^2/NDF: 2562131.7/30

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 5511361.5/51

All: 0.008+/-0.000 χ^2/NDF: 10877406.1/105

- sign 0.008+/-0.000 χ^2/NDF: 5358238.3/53



Right In: -4.251+/-0.000 χ^2/NDF: 294466665821.0/26

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.106+/-0.000 χ^2/NDF: 298308397627.2/30

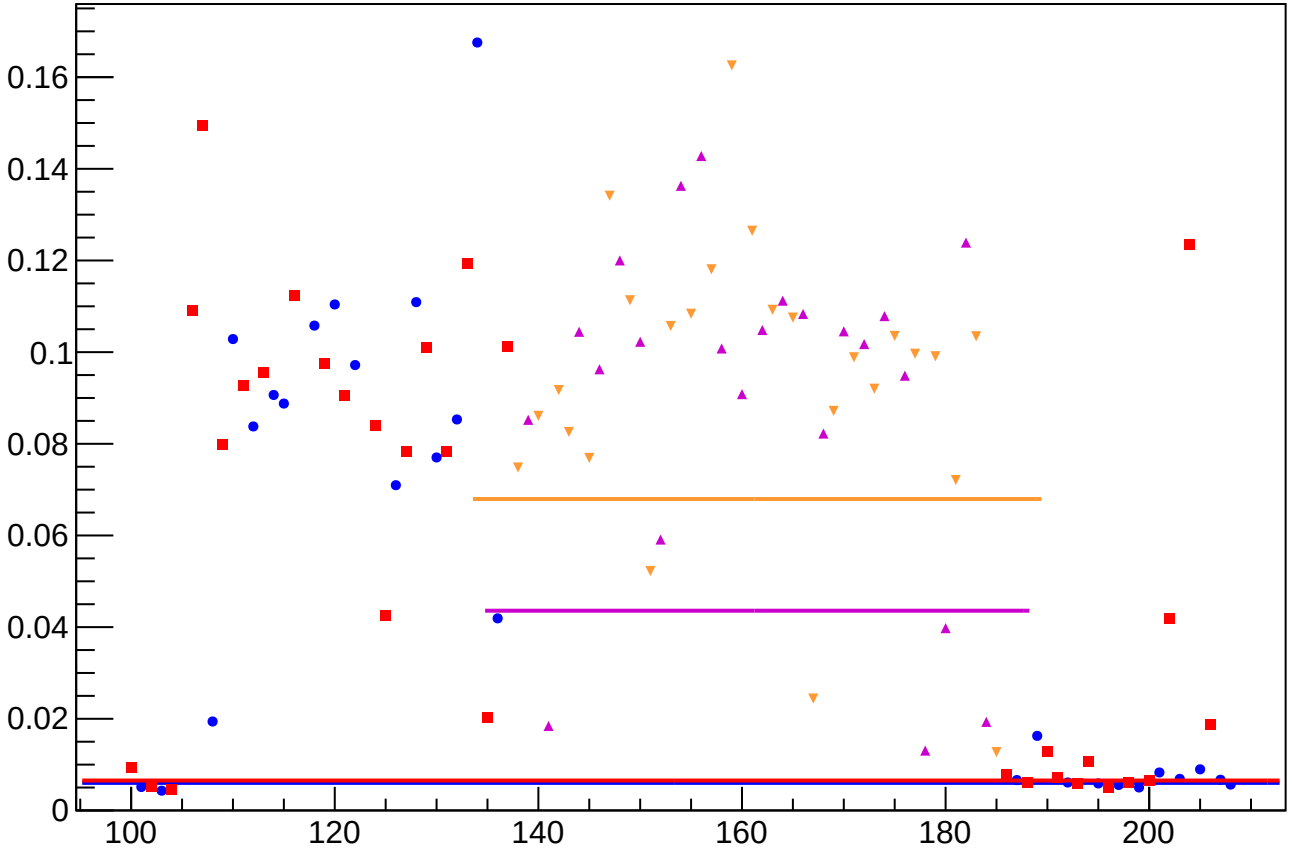
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.250+/-0.000 χ^2/NDF: 294533558266.3/51

All: -4.190+/-0.000 χ^2/NDF: 593921146115.8

- sign -4.111+/-0.000 χ^2/NDF: 298386583097.1/53

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8914270.6/26

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

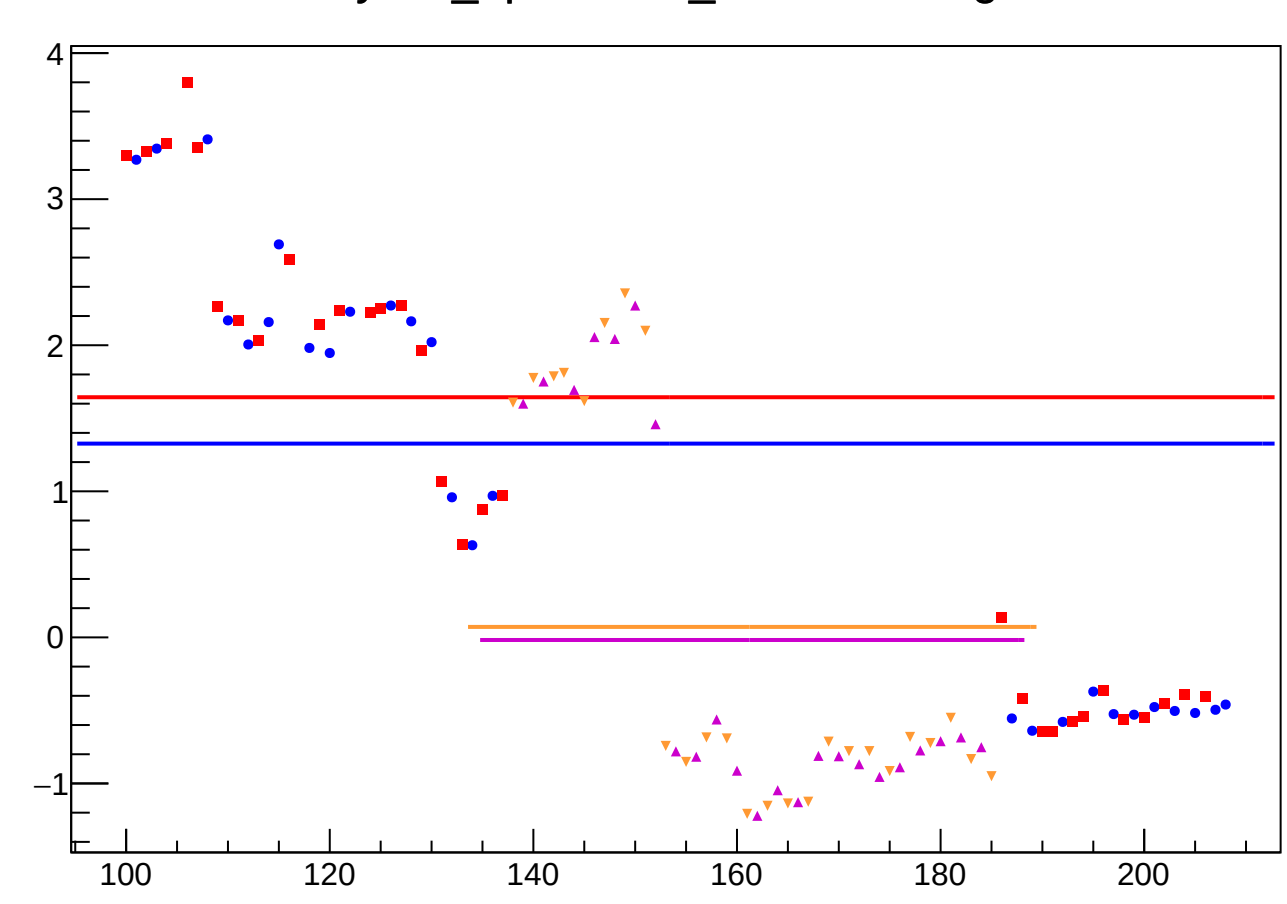
Right Out: 0.007+/-0.000 χ^2/NDF: 10674979.7/30

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 36501596.1/51

All: 0.008+/-0.000 χ^2/NDF: 70730313.4/105

- sign 0.008+/-0.000 χ^2/NDF: 34163779.6/53



Right In: 1.327+/-0.000 χ^2/NDF: 228782022009.1/26

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.644+/-0.000 χ^2/NDF: 184953142304.2/30

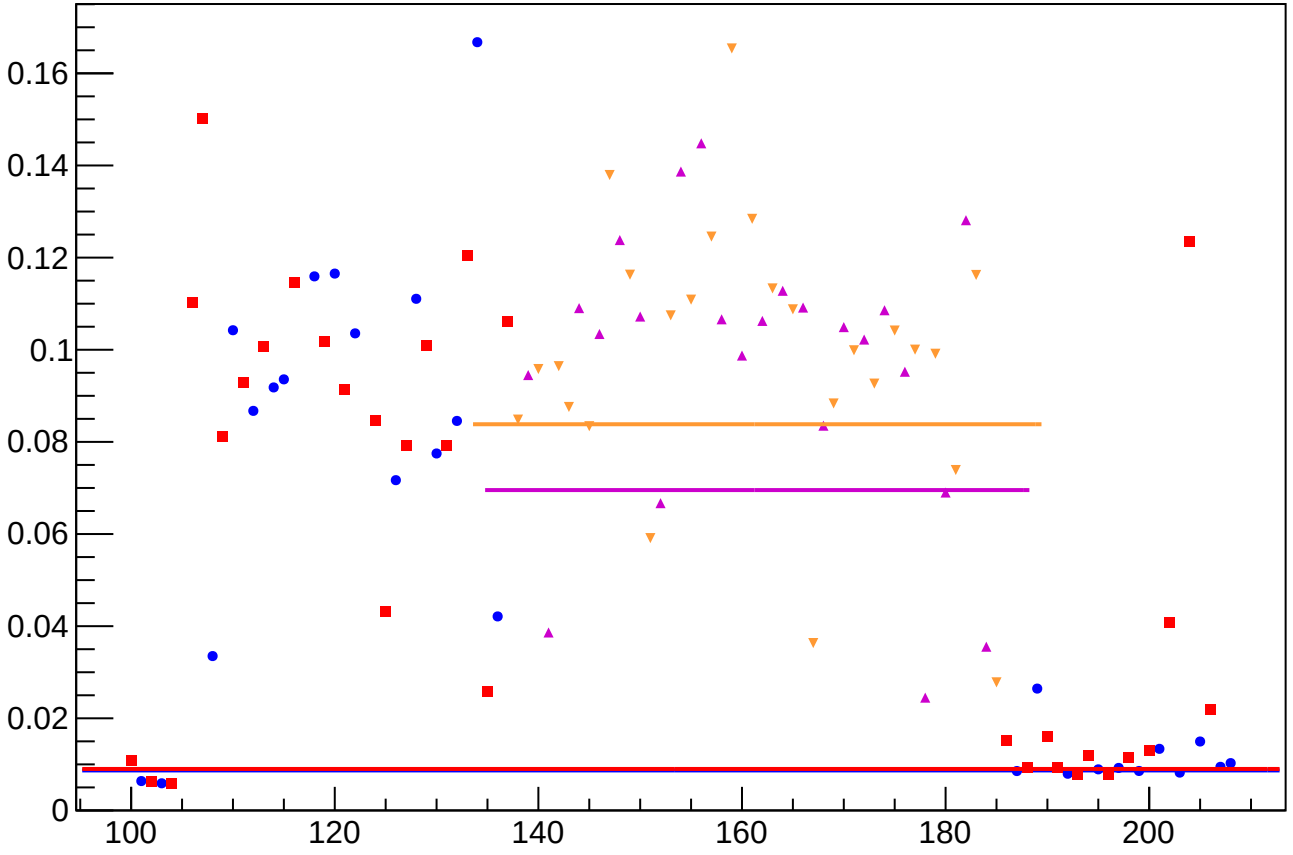
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 1.287+/-0.000 χ^2/NDF: 235555862015.8/51

All: 1.416+/-0.000 χ^2/NDF: 432654322361.5

- sign 1.572+/-0.000 χ^2/NDF: 194689891546.6/53

yield_bpm0l03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 8773285.8/26

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

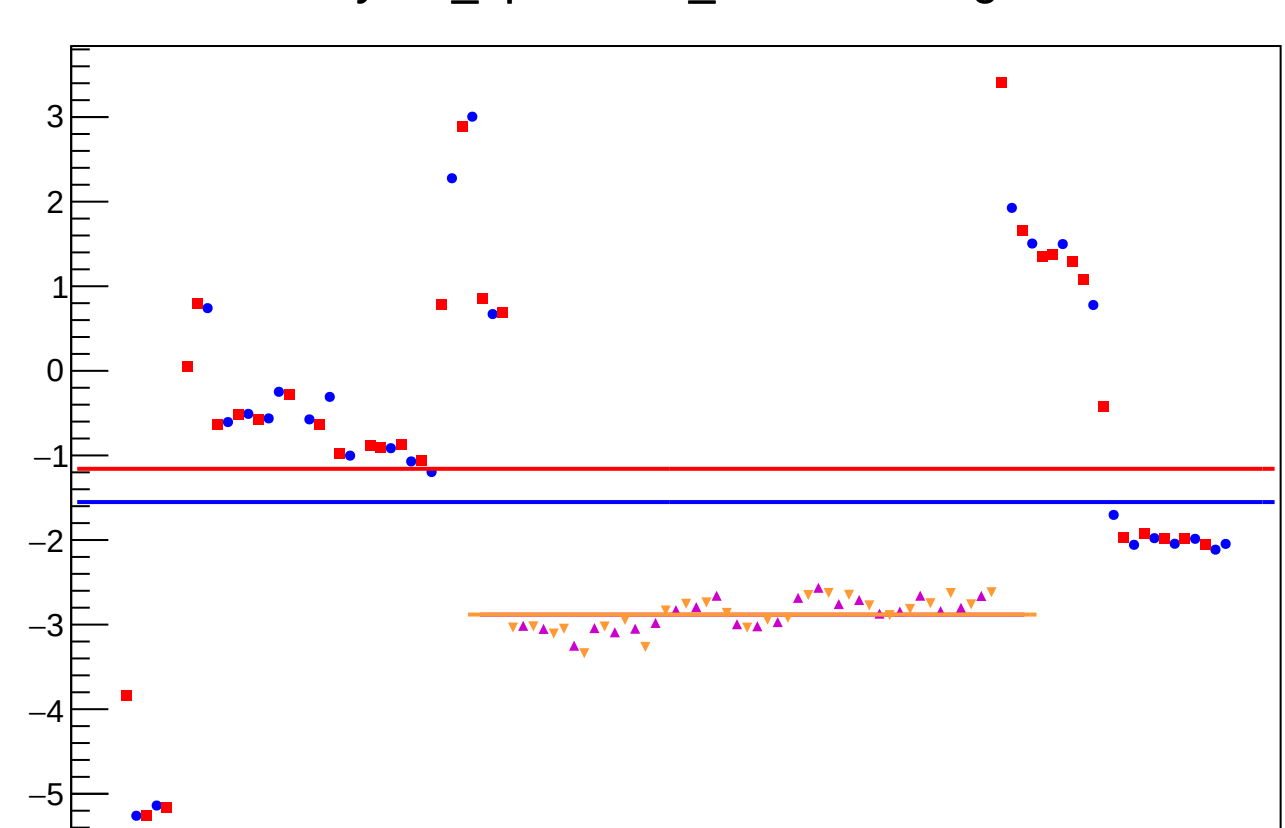
Right Out: 0.009+/-0.000 χ^2/NDF: 10423240.6/30

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 35111025.0/51

All: 0.011+/-0.000 χ^2/NDF: 68921409.2/105

- sign 0.012+/-0.000 χ^2/NDF: 33788096.1/53



Right In: -1.551+/-0.000 χ^2/NDF: 208874729429.8/26

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.158+/-0.000 χ^2/NDF: 236200505109.8/30

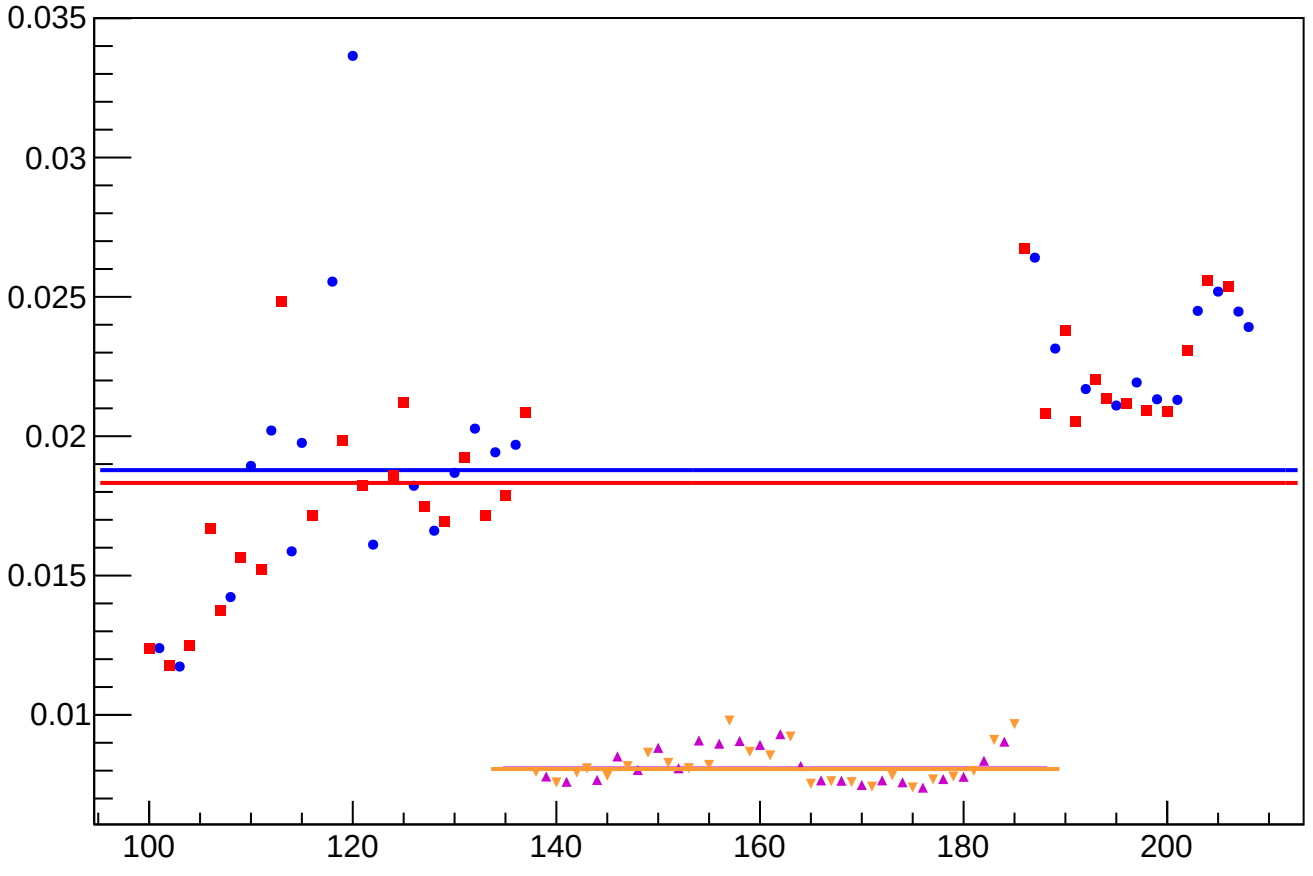
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.722+/-0.000 χ^2/NDF: 279577952807.0/51

All: -2.683+/-0.000 χ^2/NDF: 635611724685.5

- sign -2.643+/-0.000 χ^2/NDF: 355043727546.5/53

yield_bpm0l04X_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1640130.7/26

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.018+/-0.000 χ^2/NDF: 1503884.5/30

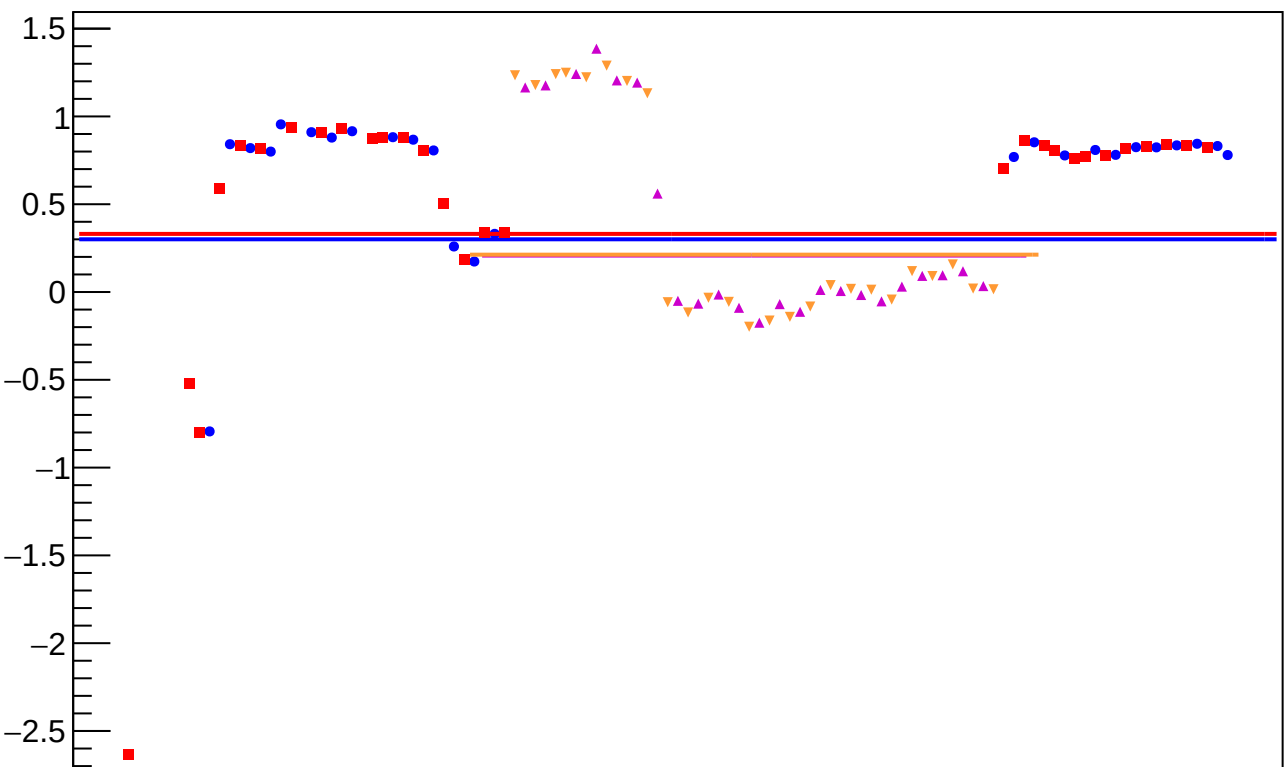
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 9649738.7/51

All: 0.009+/-0.000 χ^2/NDF: 19148190.1/105

- sign 0.010+/-0.000 χ^2/NDF: 9490509.1/53

yield_bpm0l04Y_mean vs Slug



Right In: 0.300+/-0.000 χ^2/NDF: 961675950060.1/26

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

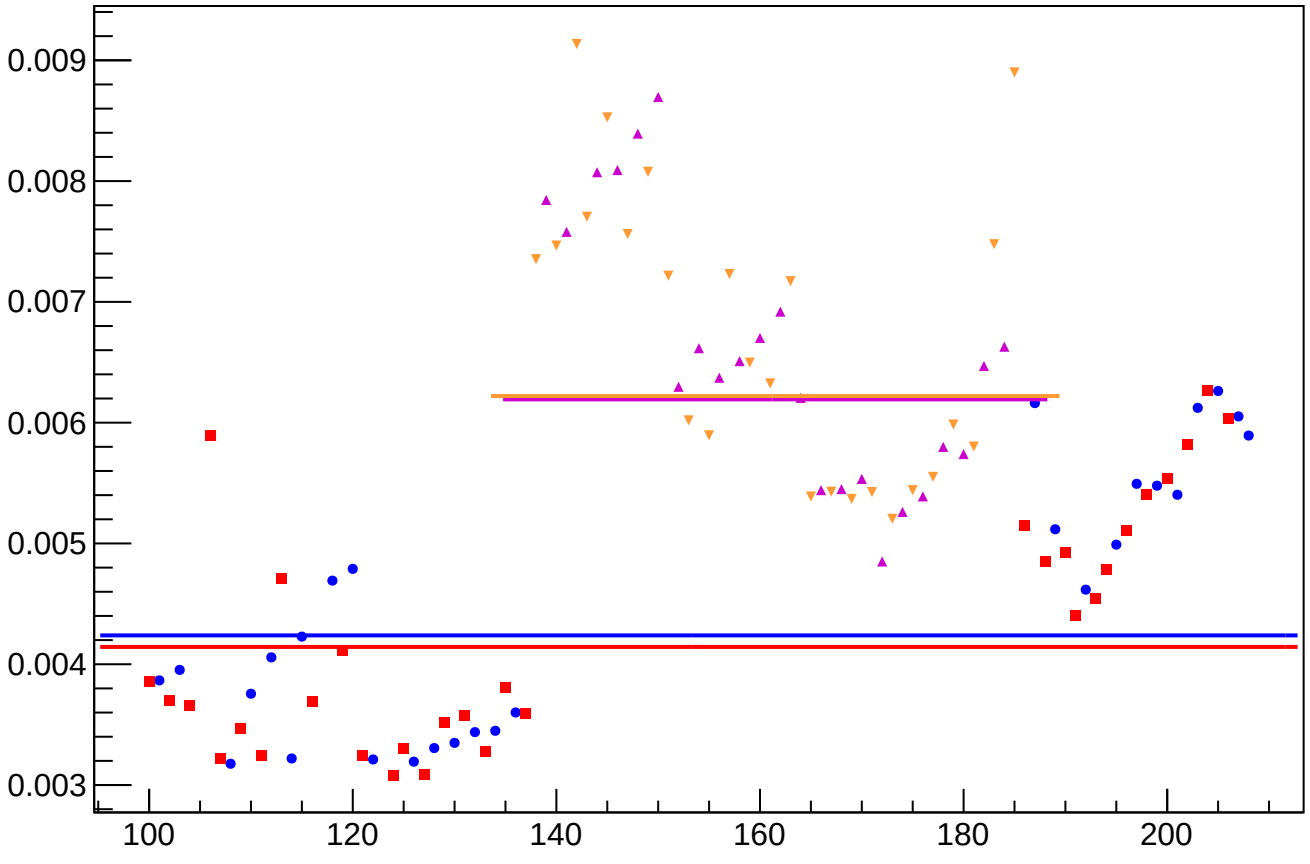
Right Out: 0.331+/-0.000 χ^2/NDF: 1046108667072.0/30

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.270+/-0.000 χ^2/NDF: 1066632948503.3/51

All: 0.281+/-0.000 χ^2/NDF: 2204426441977.

- sign 0.291+/-0.000 χ^2/NDF: 1137496783948.5/53



Right In: 0.004+/-0.000 χ^2/NDF: 1592143.0/26

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

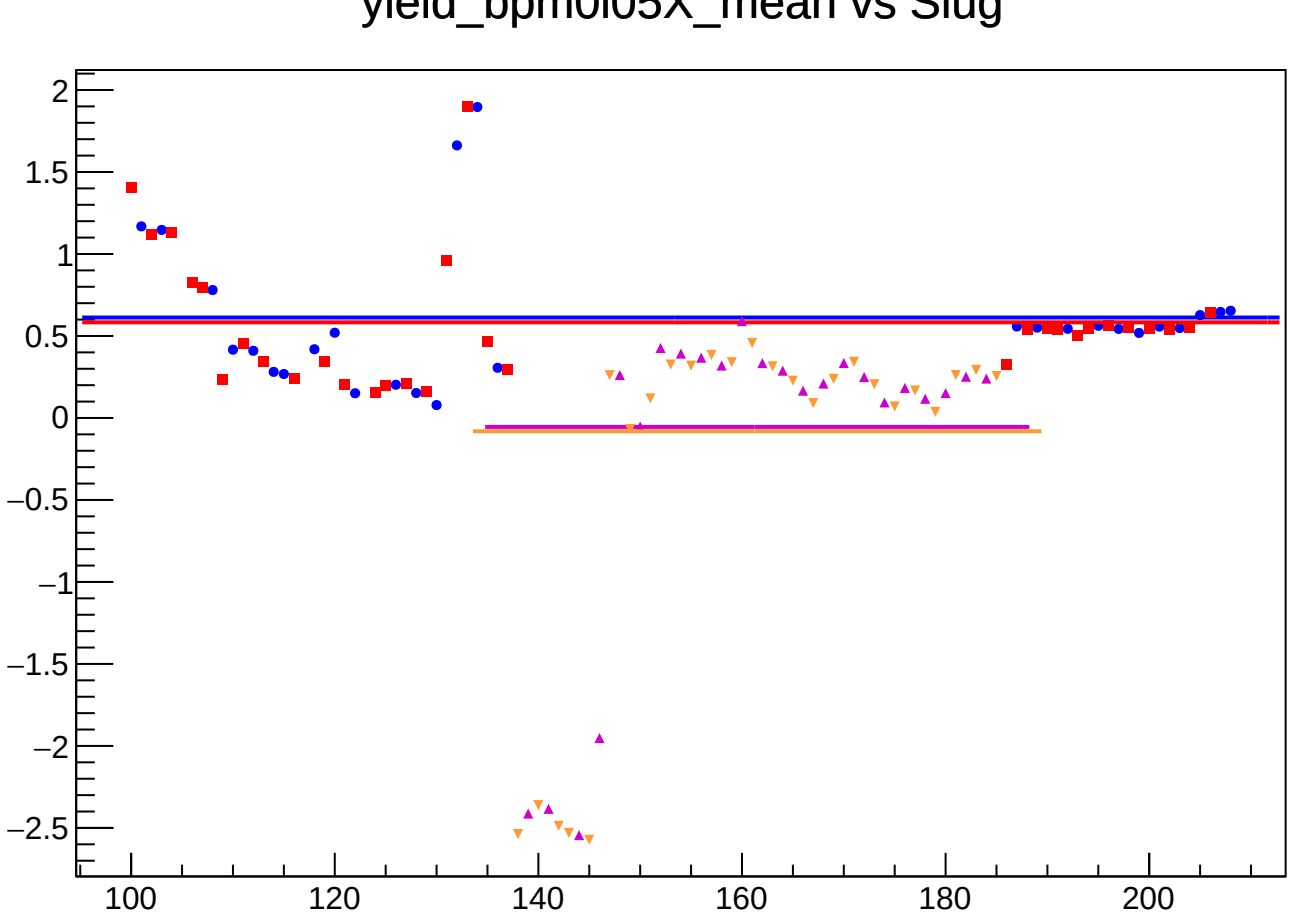
Right Out: 0.004+/-0.000 χ^2/NDF: 1532707.1/30

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4599515.0/51

All: 0.005+/-0.000 χ^2/NDF: 9325273.2/105

- sign 0.005+/-0.000 χ^2/NDF: 4703872.5/53



Right In: 0.613+/-0.000 χ^2/NDF: 43949372626.0/26

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.583+/-0.000 χ^2/NDF: 44043059785.7/30

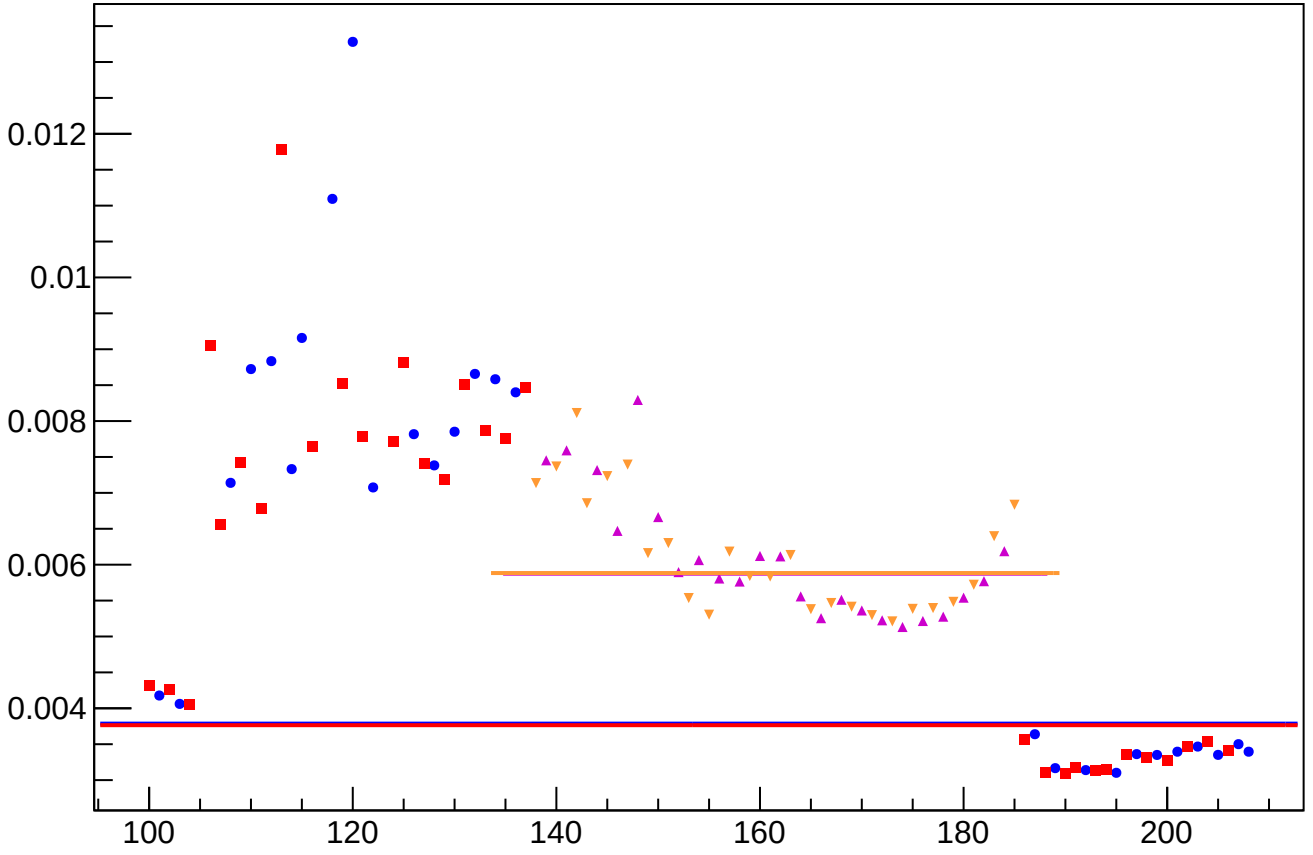
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.362+/-0.000 χ^2/NDF: 587972130721.9/51

All: 0.366+/-0.000 χ^2/NDF: 1110130110757.

- sign 0.369+/-0.000 χ^2/NDF: 522119313888.8/53

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3467631.0/26

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3428715.6/30

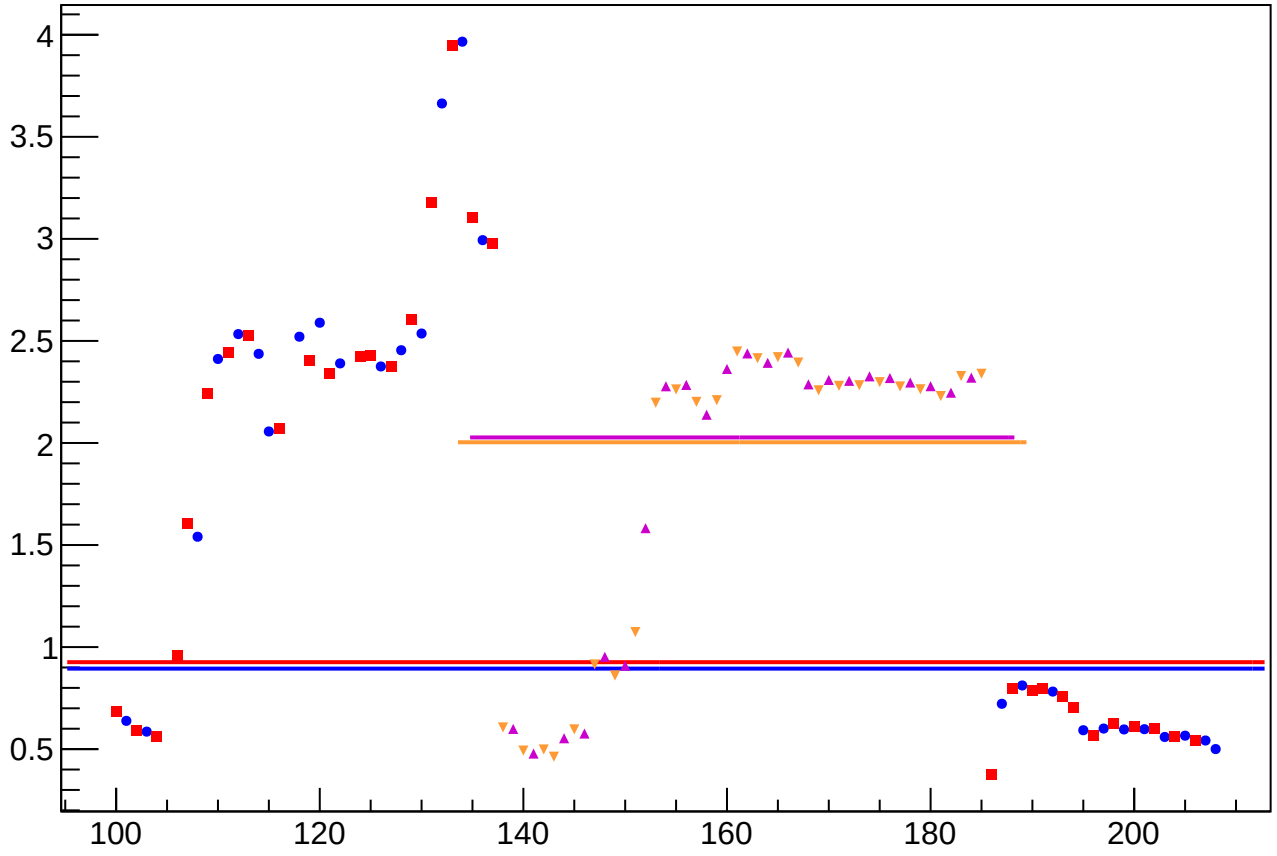
Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 6770697.1/51

All: 0.005+/-0.000 χ^2/NDF: 13595851.9/105

- sign 0.004+/-0.000 χ^2/NDF: 6817870.4/53

yield_bpm0l05Y_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF: 241772867723.6/26

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.926+/-0.000 χ^2/NDF: 267592257887.6/30

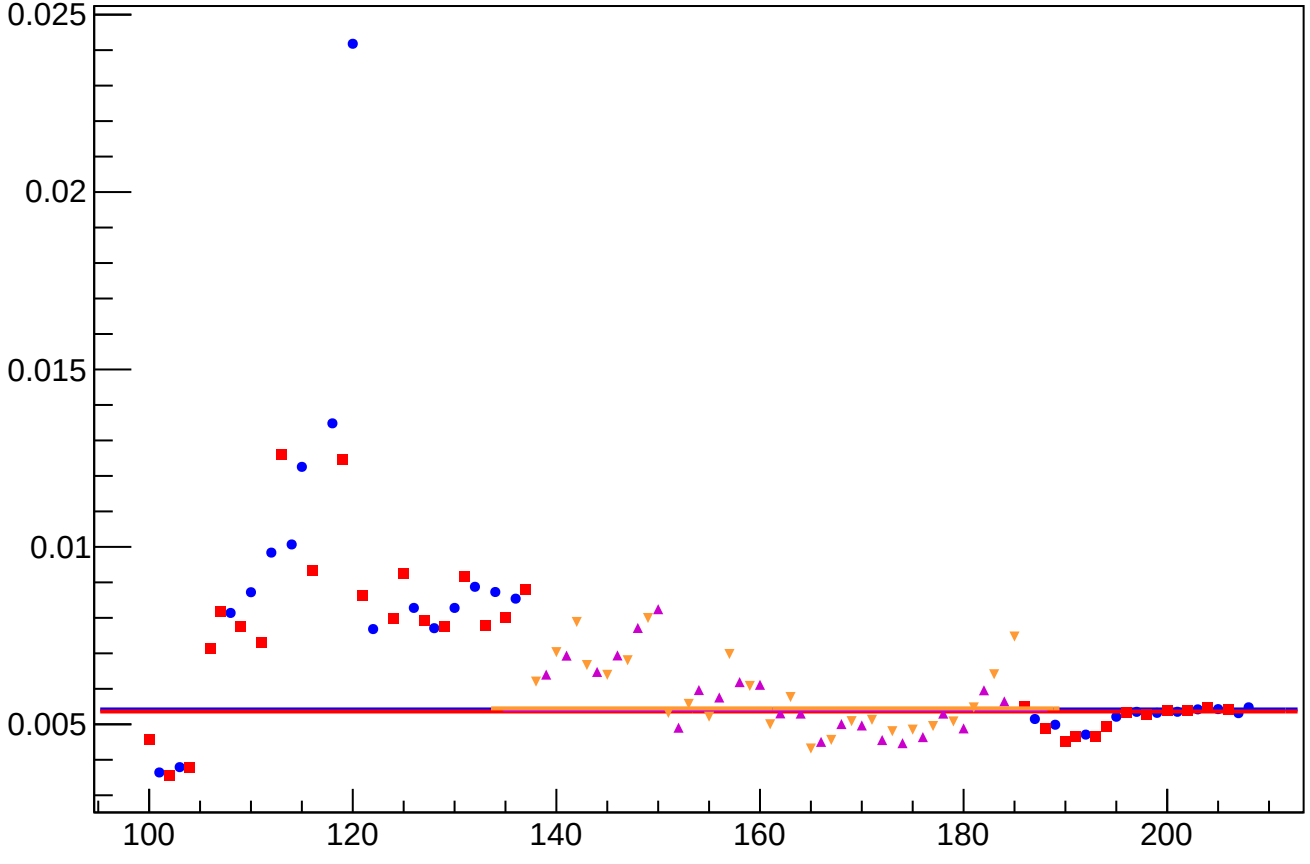
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.504+/-0.000 χ^2/NDF: 766521653339.1/51

All: 1.502+/-0.000 χ^2/NDF: 1537488400606.

- sign 1.499+/-0.000 χ^2/NDF: 770955328240.0/53

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2308091.8/26

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

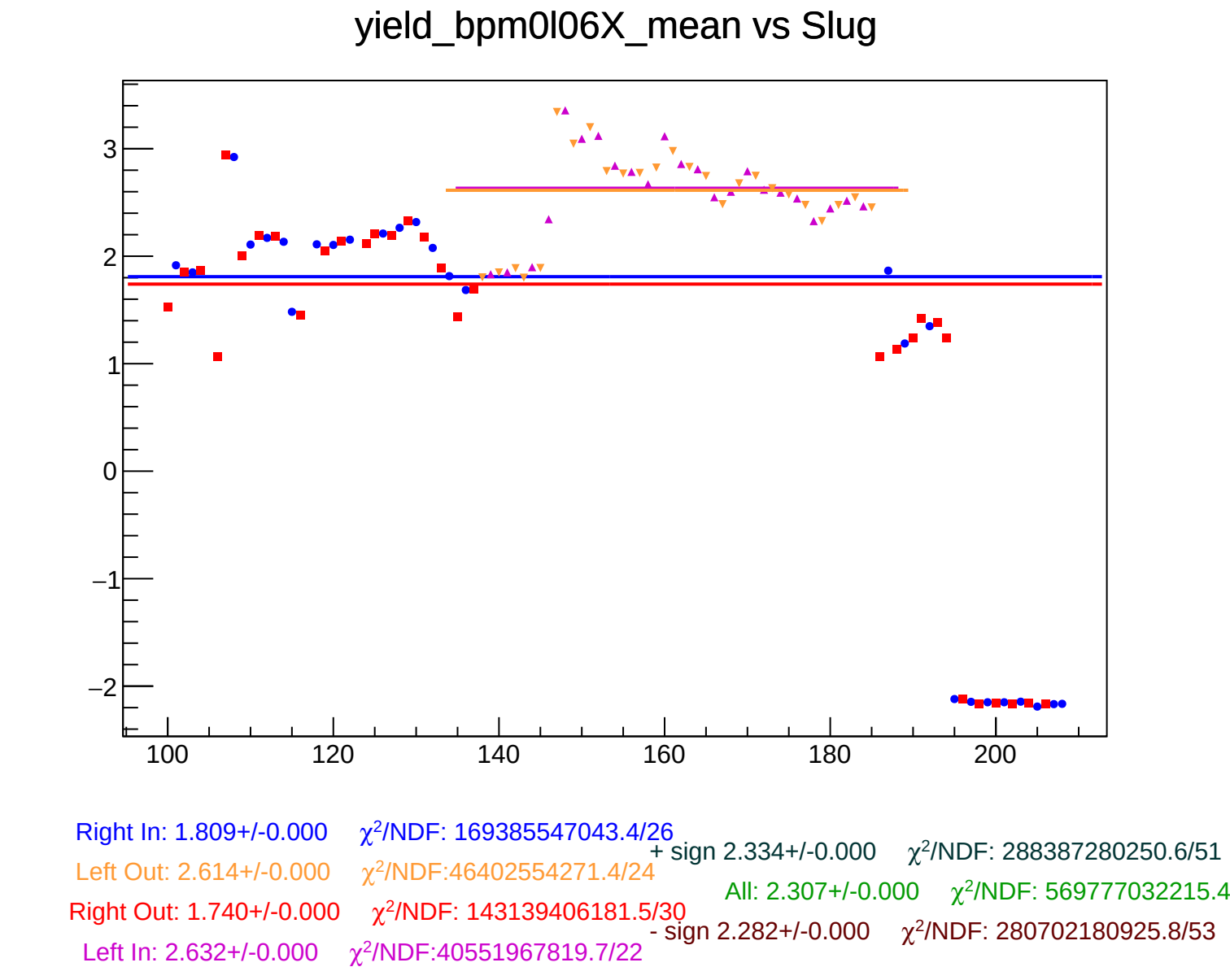
Right Out: 0.005+/-0.000 χ^2/NDF: 2125711.9/30

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

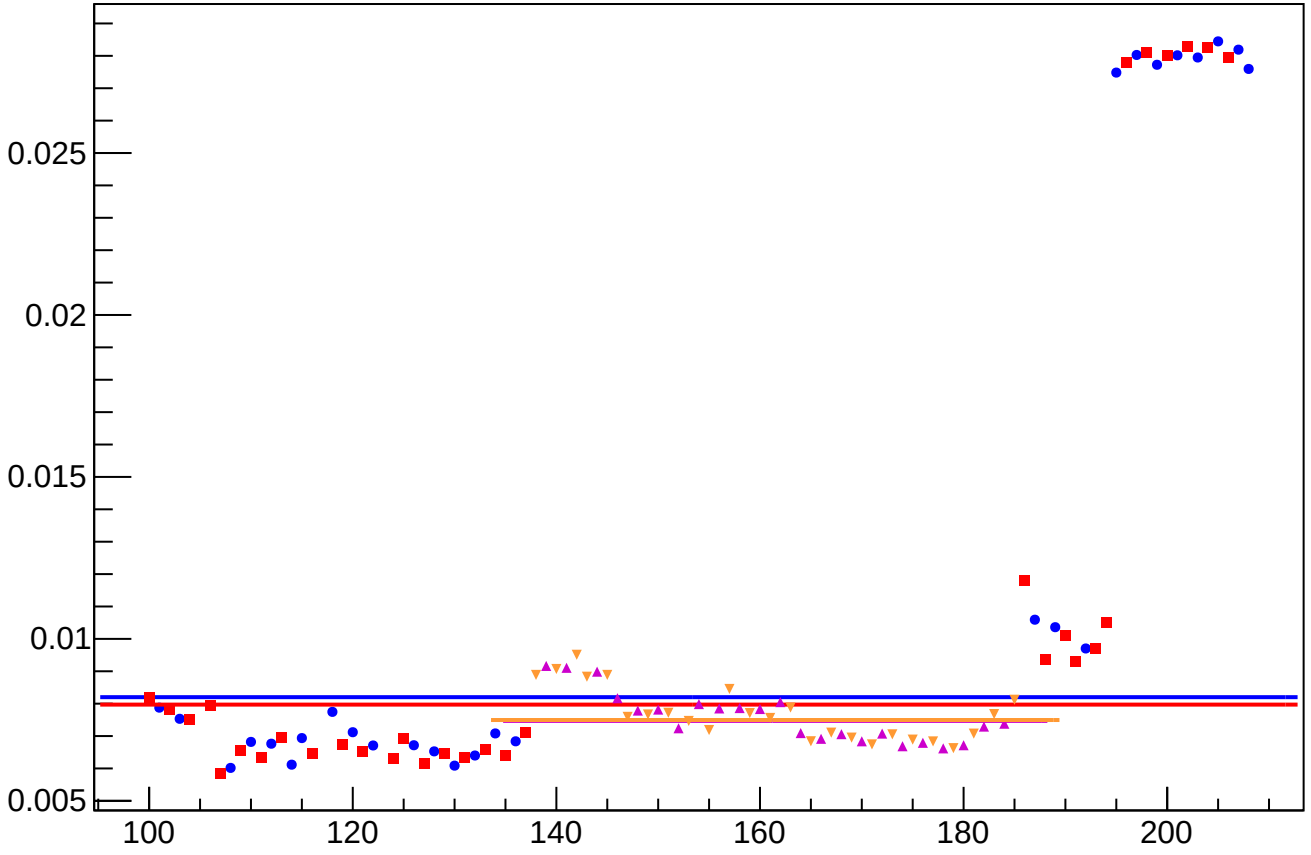
+ sign 0.005+/-0.000 χ^2/NDF: 3079971.9/51

All: 0.005+/-0.000 χ^2/NDF: 6024455.7/105

- sign 0.005+/-0.000 χ^2/NDF: 2941821.8/53


yield_bpm0l06X_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 1.809+/-0.000 χ²/NDF: 169385547043.4/26
Left Out: 2.614+/-0.000 χ²/NDF:46402554271.4/24
Right Out: 1.740+/-0.000 χ²/NDF: 143139406181.5/30
Left In: 2.632+/-0.000 χ²/NDF:40551967819.7/22
+ sign 2.334+/-0.000 χ²/NDF: 288387280250.6/51
All: 2.307+/-0.000 χ²/NDF: 569777032215.4
- sign 2.282+/-0.000 χ²/NDF: 280702180925.8/53

yield_bpm0l06X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 7648720.5/26

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6359080.1/30

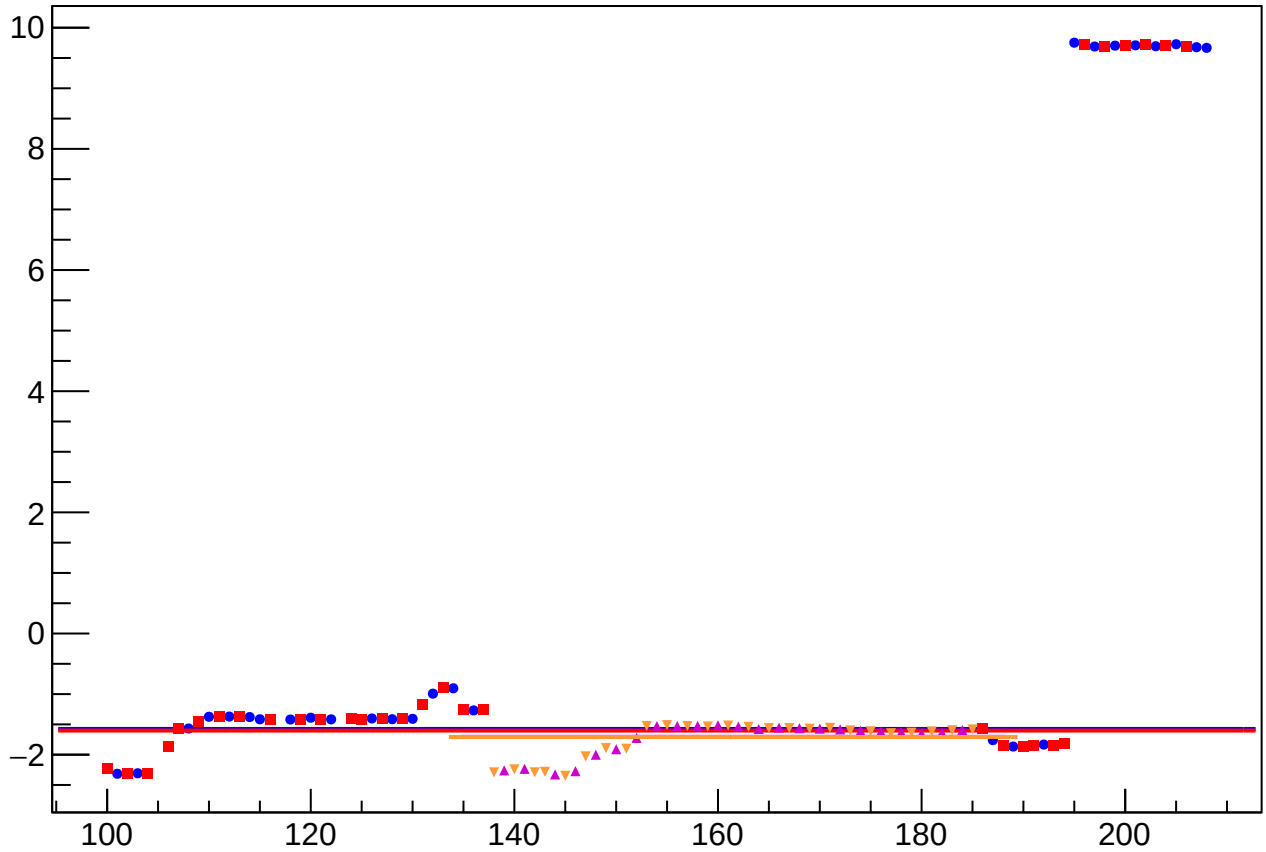
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF: 8093227.2/51

All: 0.008+/-0.000 χ^2/NDF: 14838837.0/105

- sign 0.008+/-0.000 χ^2/NDF: 6742777.9/53

yield_bpm0l06Y_mean vs Slug



Right In: -1.575+/-0.000 χ^2/NDF: 419971059038.9/26

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.602+/-0.000 χ^2/NDF: 375494251419.7/30

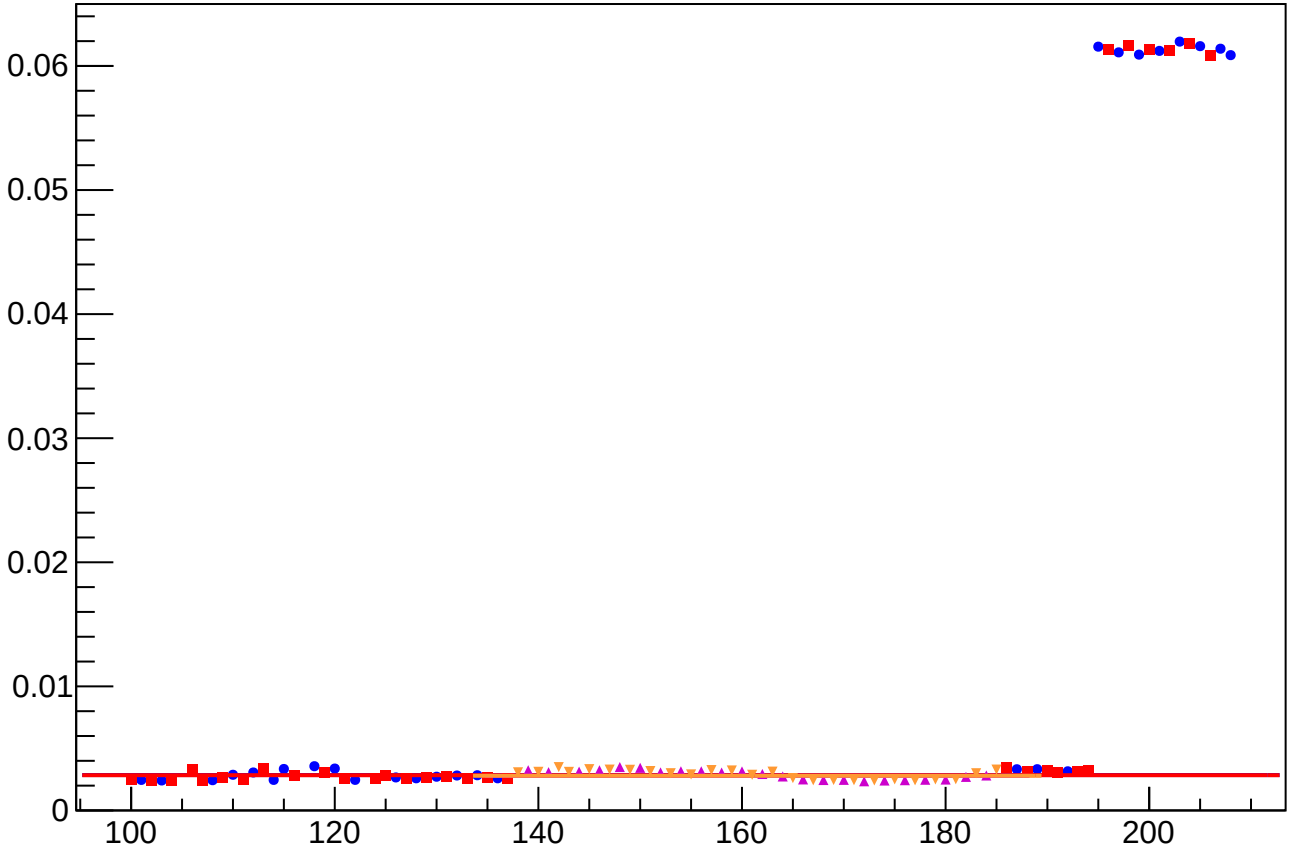
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.665+/-0.000 χ^2/NDF: 584803272773.3/51

All: -1.666+/-0.000 χ^2/NDF: 1105739511326

- sign -1.666+/-0.000 χ^2/NDF: 520931654361.1/53

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 12817416.0/26

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9943013.2/30

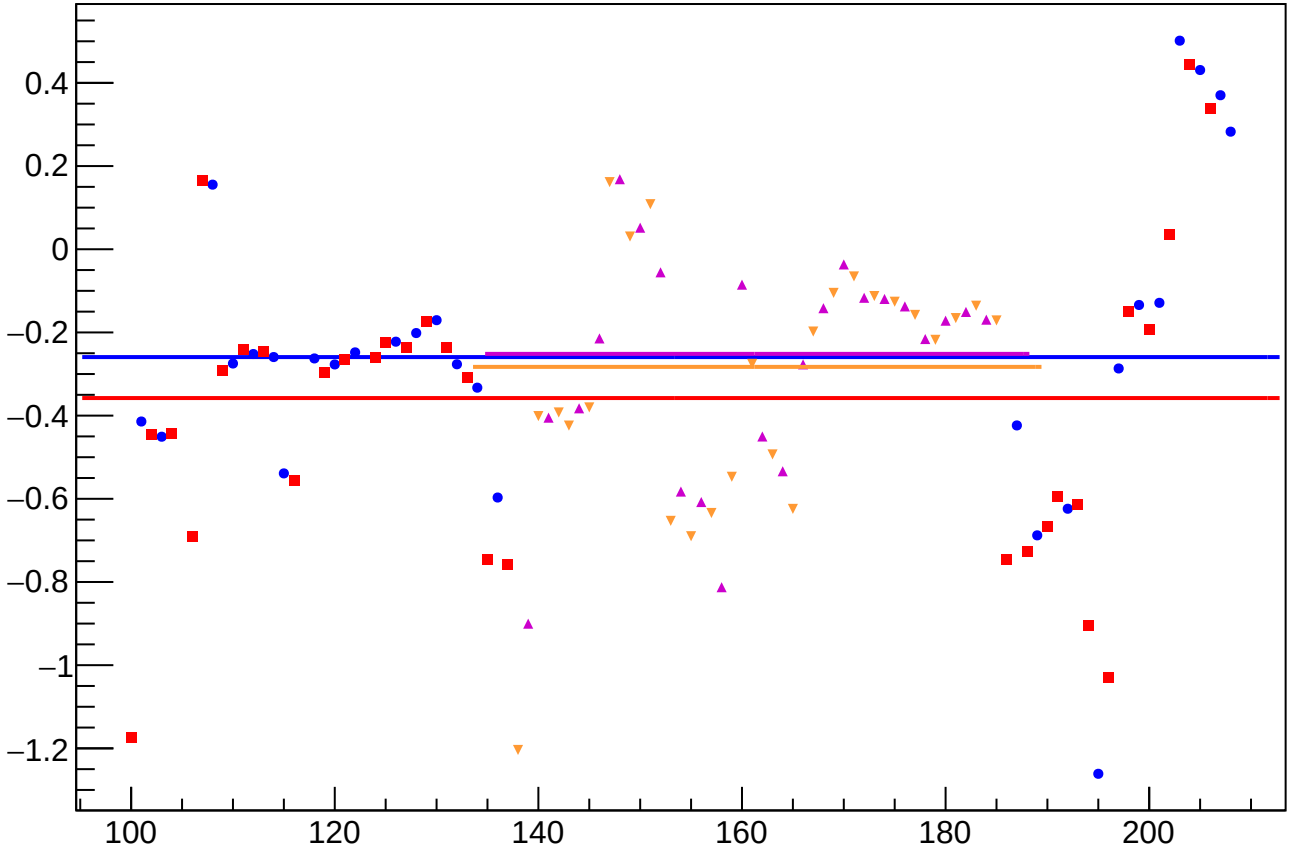
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 13370161.5/51

All: 0.003+/-0.000 χ^2/NDF: 23876032.9/105

- sign 0.003+/-0.000 χ^2/NDF: 10505556.1/53

yield_bpm0l07X_mean vs Slug



Right In: -0.259+/-0.000 χ^2/NDF: 9149729416.3/26

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.358+/-0.000 χ^2/NDF: 8753352939.0/30

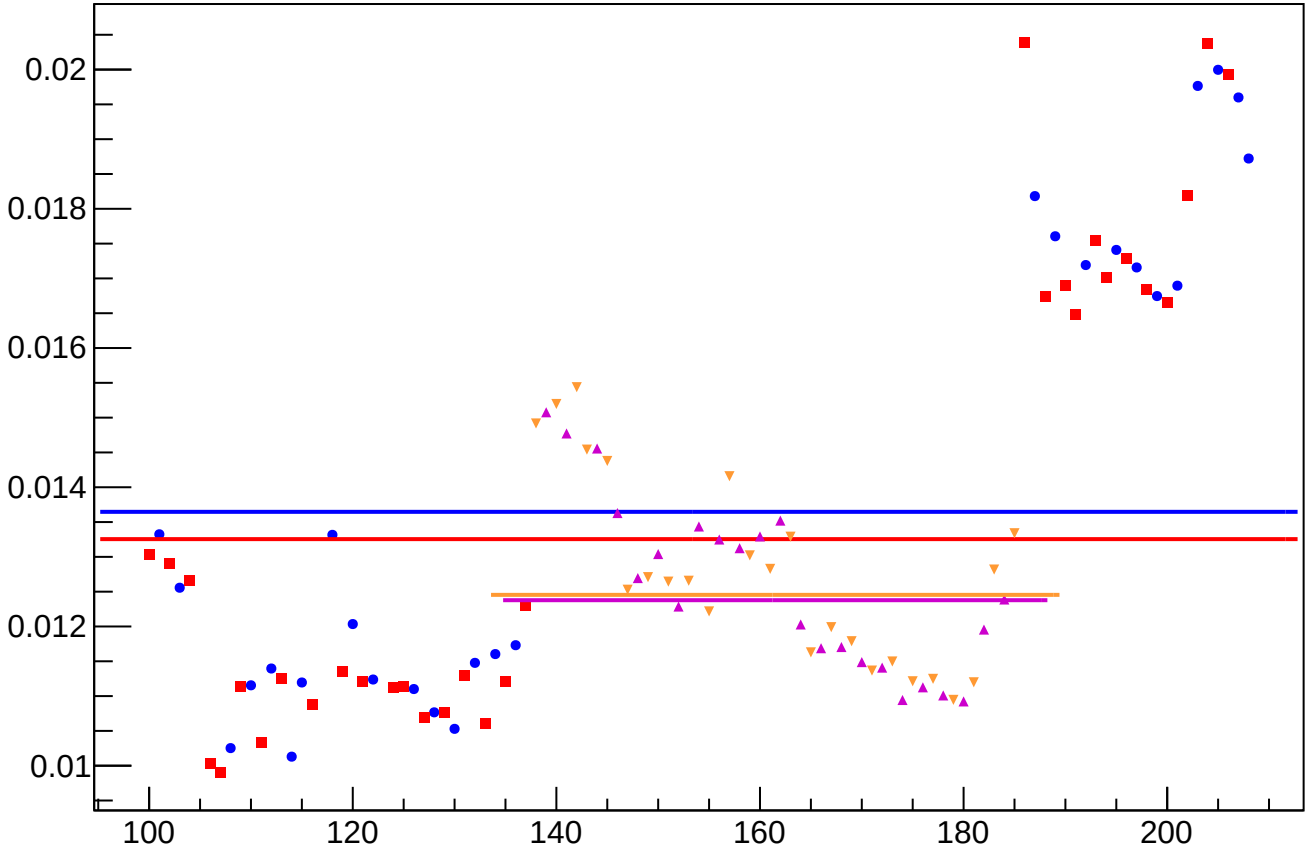
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.273+/-0.000 χ^2/NDF: 18519251693.7/51

All: -0.286+/-0.000 χ^2/NDF: 35048363616.6/

- sign -0.297+/-0.000 χ^2/NDF: 16471976185.4/53

yield_bpm0l07X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1584695.7/26

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1765241.0/30

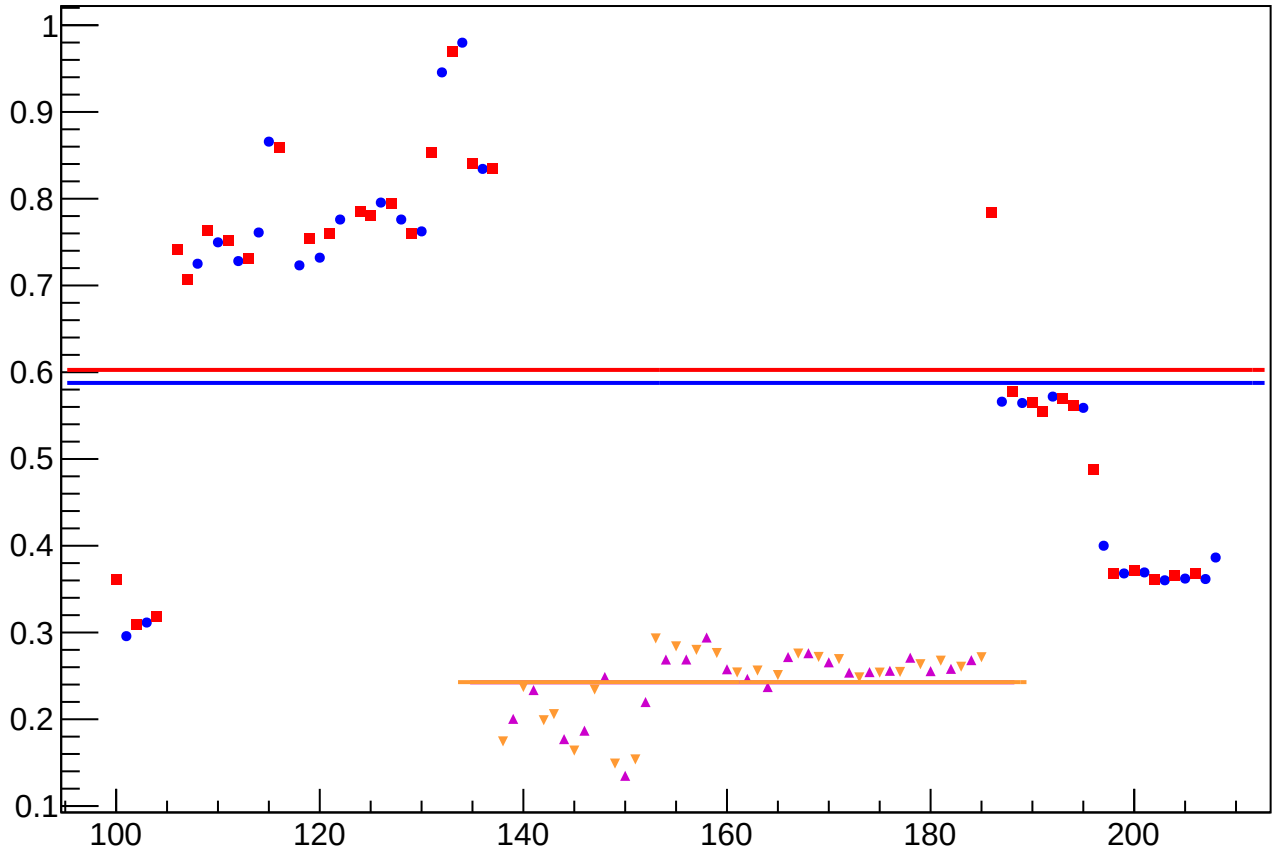
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 2059453.2/51

All: 0.013+/-0.000 χ^2/NDF: 4232698.7/105

- sign 0.013+/-0.000 χ^2/NDF: 2167384.2/53

yield_bpm0l07Y_mean vs Slug



Right In: 0.588+/-0.000 χ^2/NDF: 93508214211.8/26

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.603+/-0.000 χ^2/NDF: 85499510757.2/30

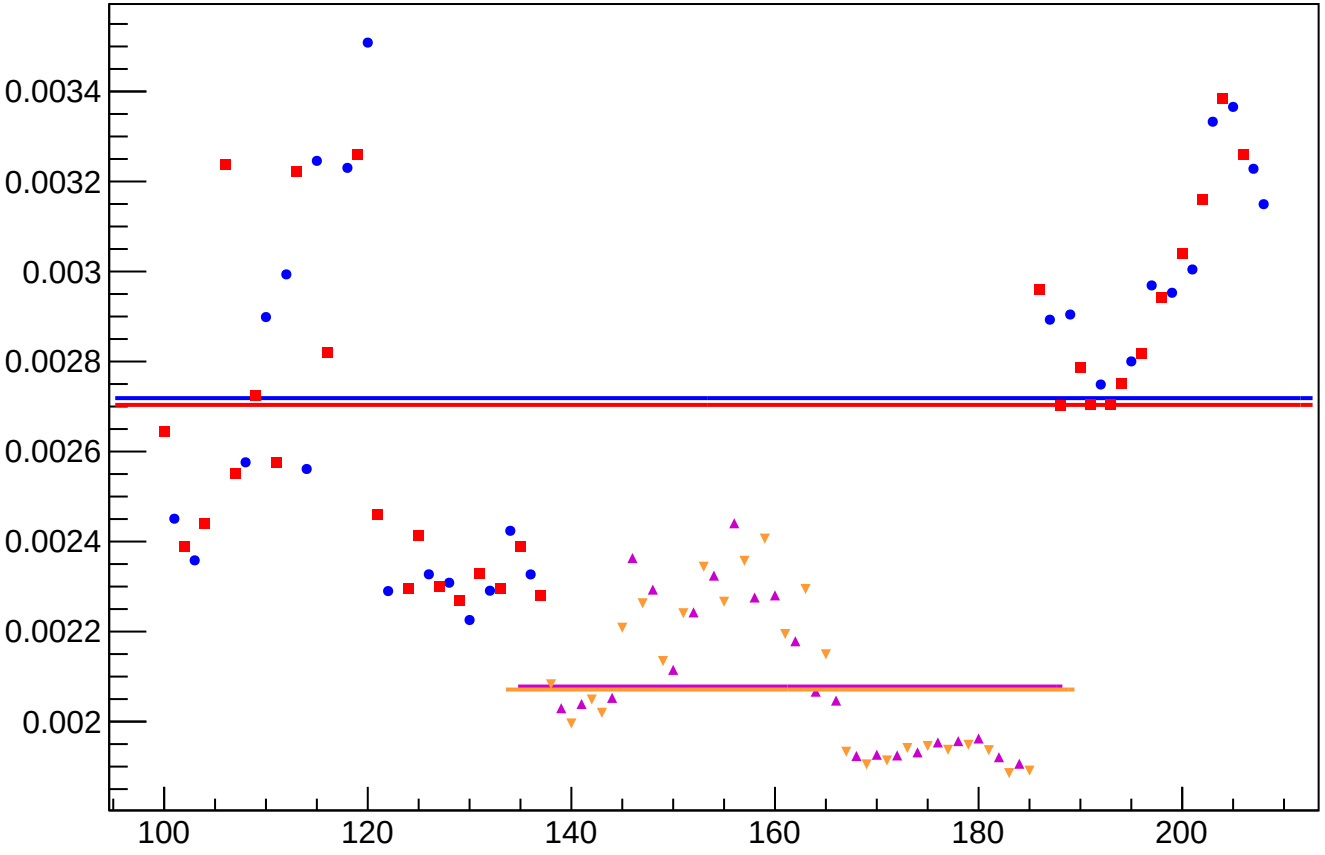
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.351+/-0.000 χ^2/NDF: 266685312287.1/51

All: 0.358+/-0.000 χ^2/NDF: 542197731647.3

- sign 0.364+/-0.000 χ^2/NDF: 274936364983.3/53

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 581273.3/26

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 471848.6/30

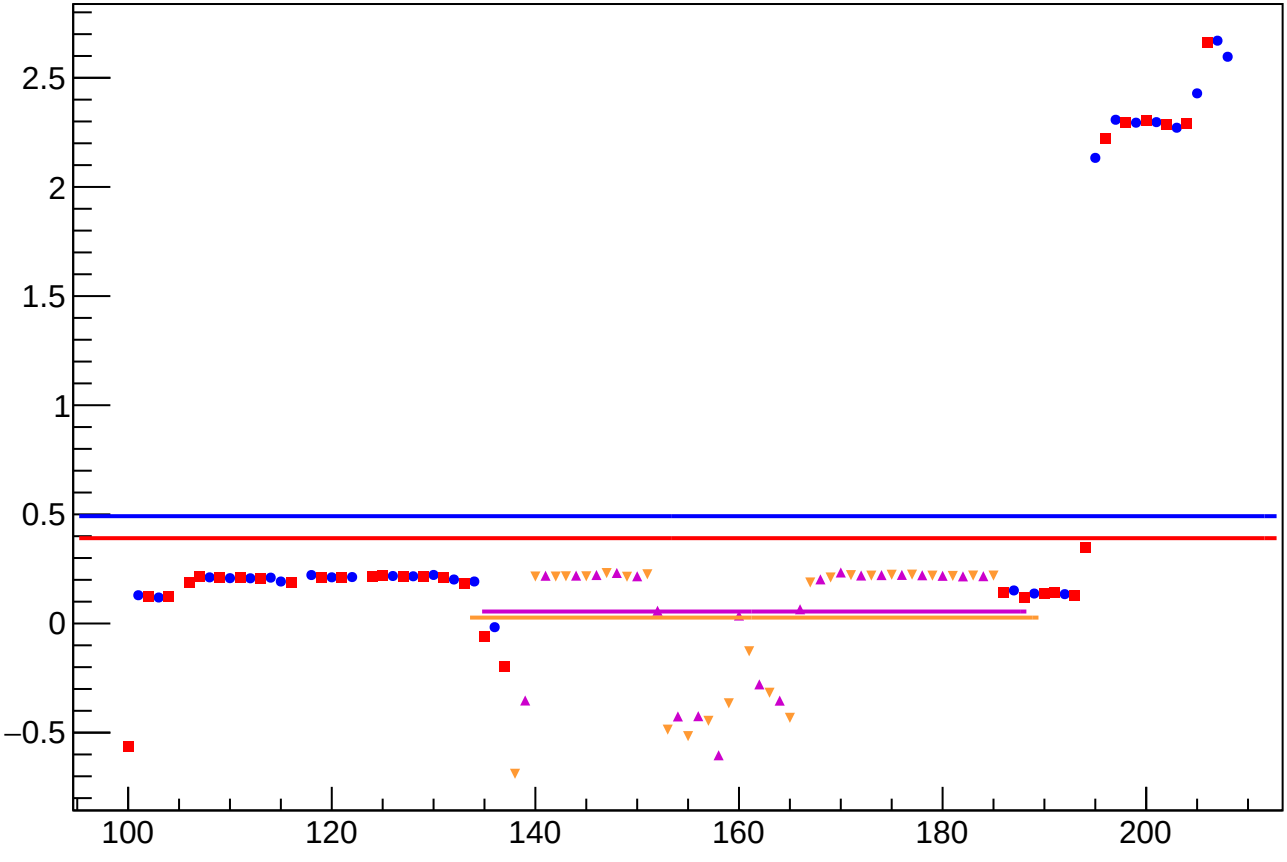
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 1984381.9/51

All: 0.002+/-0.000 χ^2/NDF: 3778503.6/105

- sign 0.002+/-0.000 χ^2/NDF: 1792631.1/53

yield_bpm0l08X_mean vs Slug



Right In: 0.492+/-0.000 χ^2/NDF: 55251697344.2/26

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.391+/-0.000 χ^2/NDF: 46202043865.5/30

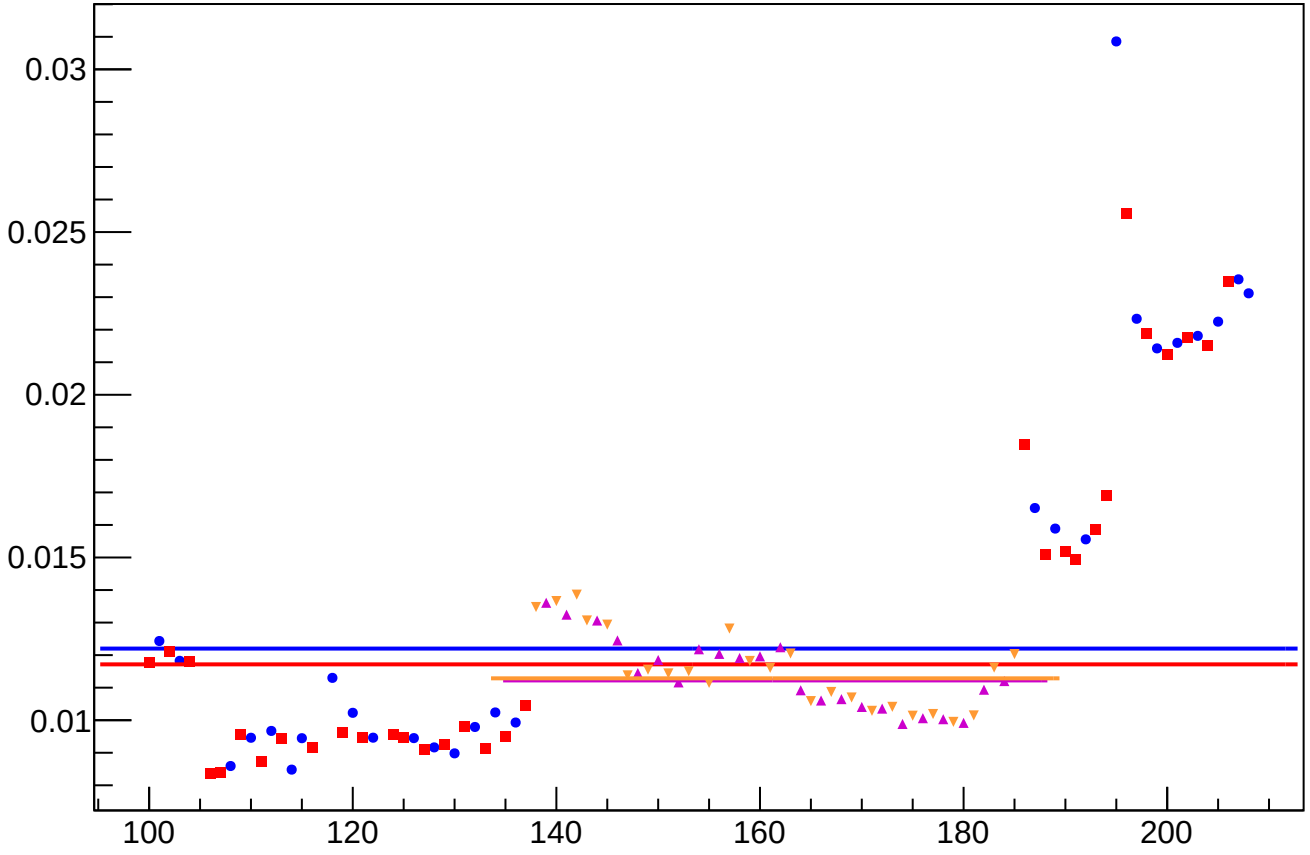
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.206+/-0.000 χ^2/NDF: 80159083252.2/51

All: 0.202+/-0.000 χ^2/NDF: 142726769022.9

- sign 0.199+/-0.000 χ^2/NDF: 62561701012.4/53

yield_bpm0l08X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 4170927.6/26

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 3813418.0/30

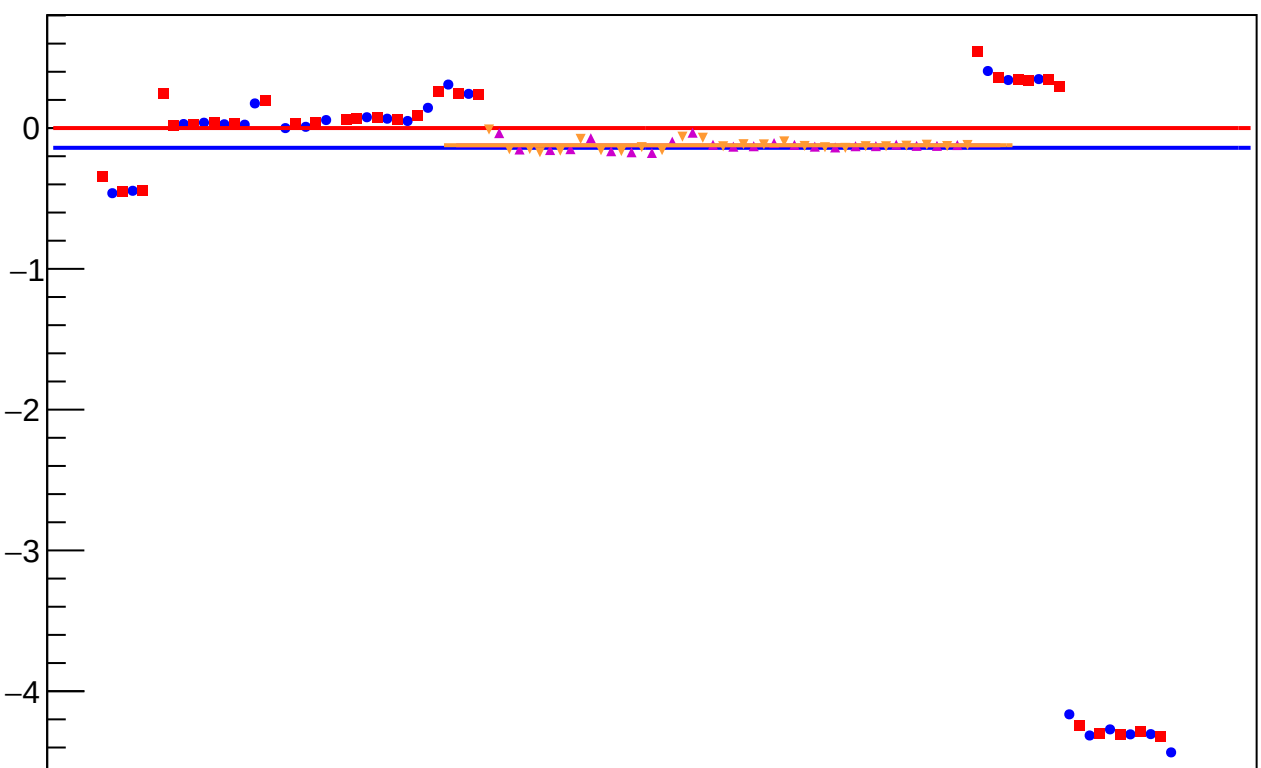
Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.012+/-0.000 χ^2/NDF: 4591600.7/51

All: 0.012+/-0.000 χ^2/NDF: 8758883.9/105

- sign 0.011+/-0.000 χ^2/NDF: 4157362.8/53

yield_bpm0l08Y_mean vs Slug



Right In: -0.140+/-0.000 χ^2/NDF: 391320685643.5/26

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 341680073955.0/30

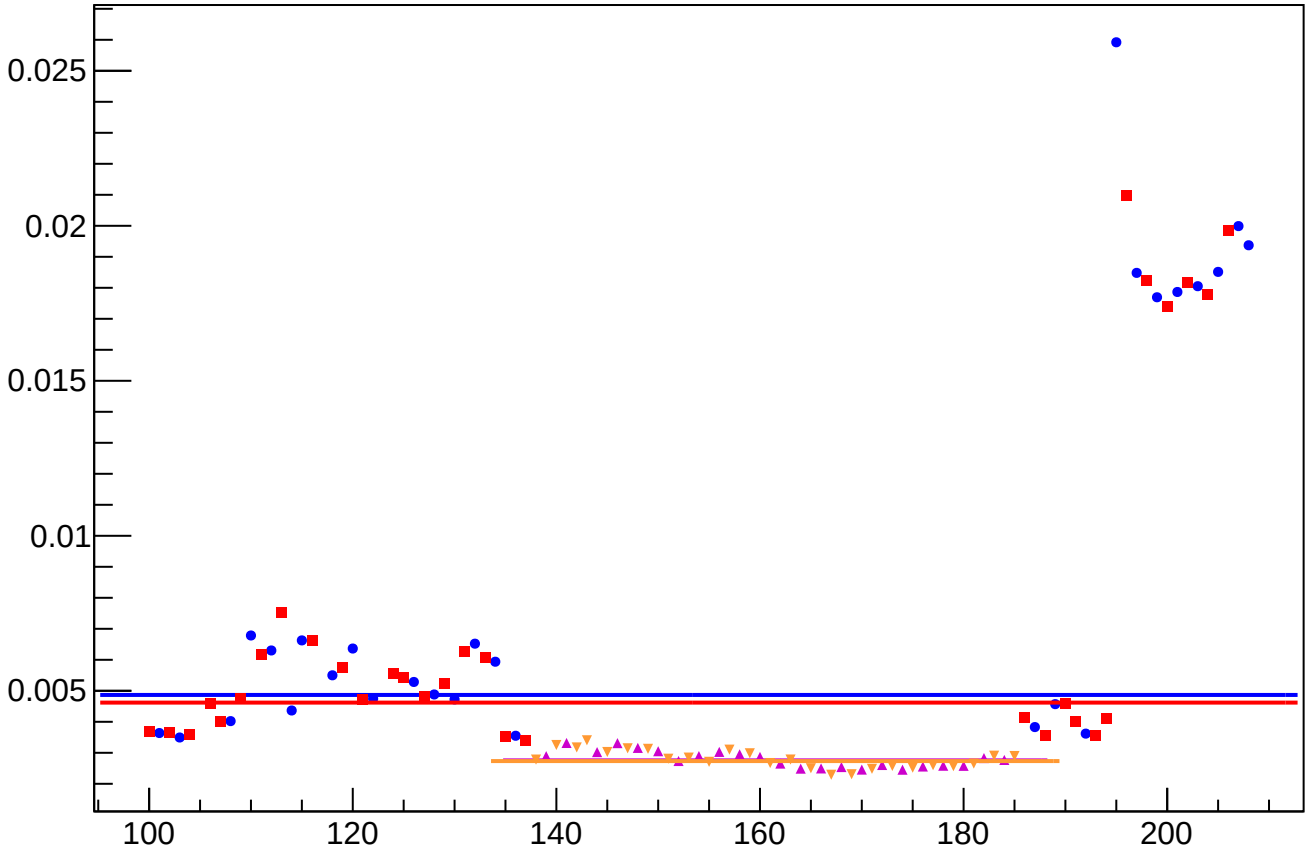
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.125+/-0.000 χ^2/NDF: 394371403641.7/51

All: -0.112+/-0.000 χ^2/NDF: 746587435113.8

- sign -0.100+/-0.000 χ^2/NDF: 351316346412.8/53

yield_bpm0l08Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 8750456.1/26

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7015888.1/30

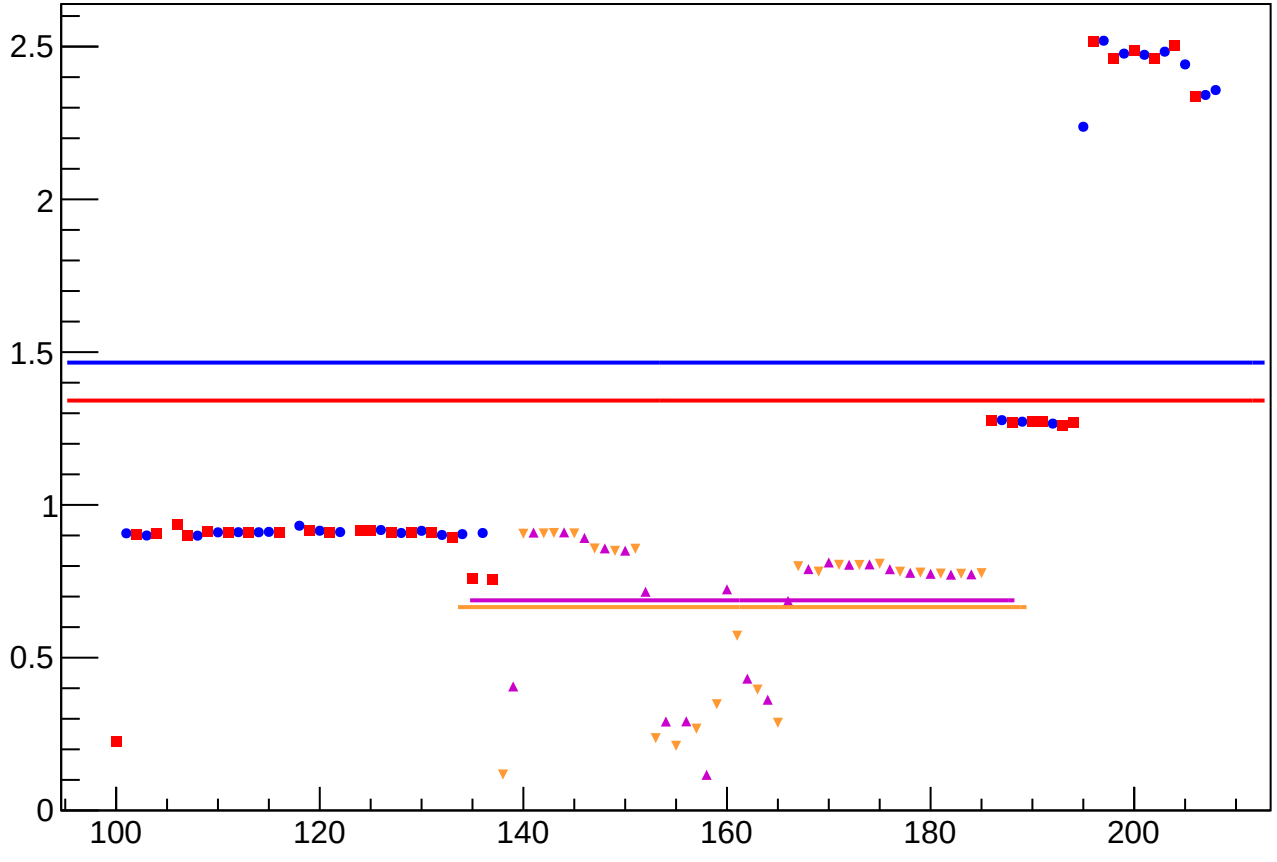
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 12572540.4/51

All: 0.003+/-0.000 χ^2/NDF: 22985521.0/105

- sign 0.003+/-0.000 χ^2/NDF: 10402853.4/53

yield_bpm0l09X_mean vs Slug



Right In: 1.466+/-0.000 χ^2/NDF: 49733904752.9/26

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.342+/-0.000 χ^2/NDF: 46378264196.3/30

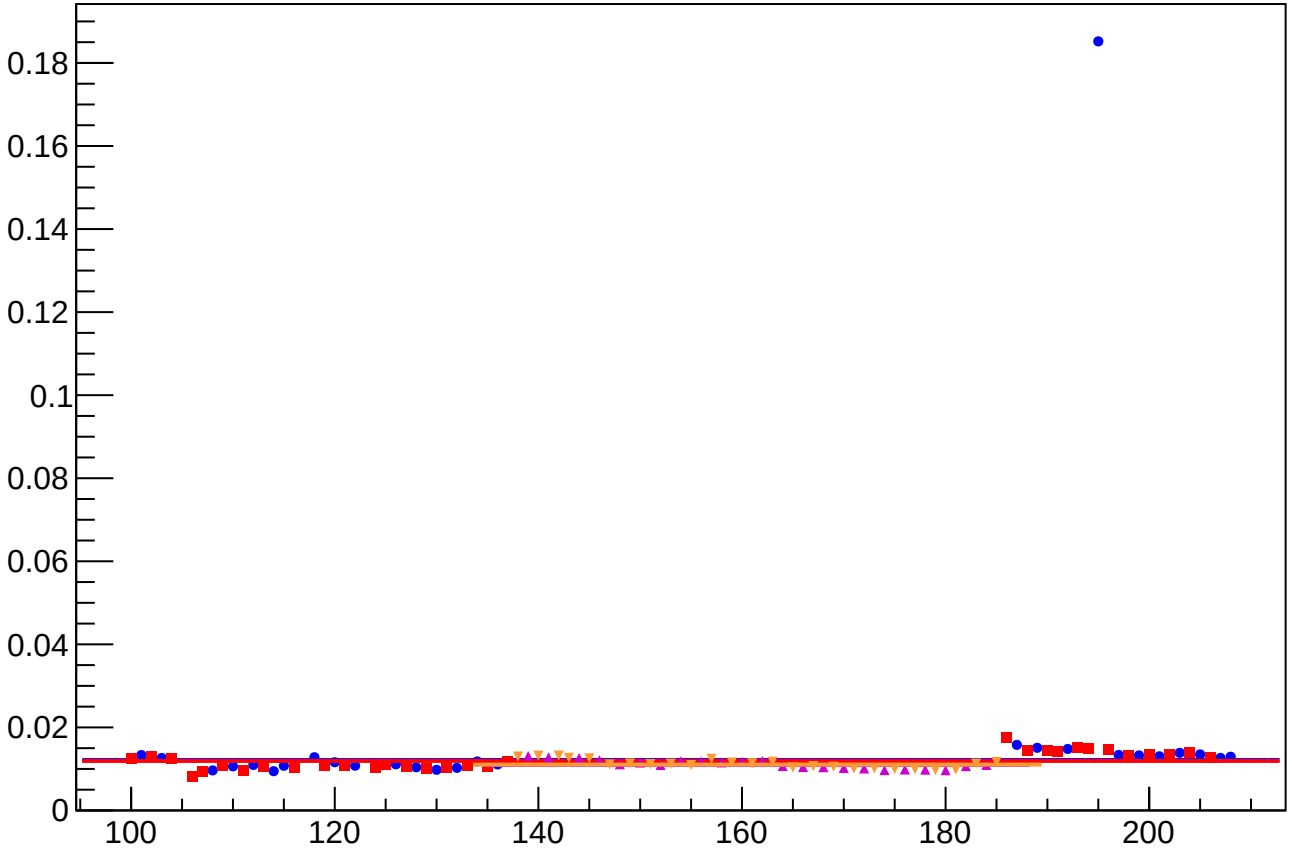
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.979+/-0.000 χ^2/NDF: 96917224658.7/51

All: 0.971+/-0.000 χ^2/NDF: 176498449450.7

- sign 0.964+/-0.000 χ^2/NDF: 79551489441.9/53

yield_bpm0l09X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2006658.9/26

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 786967.3/30

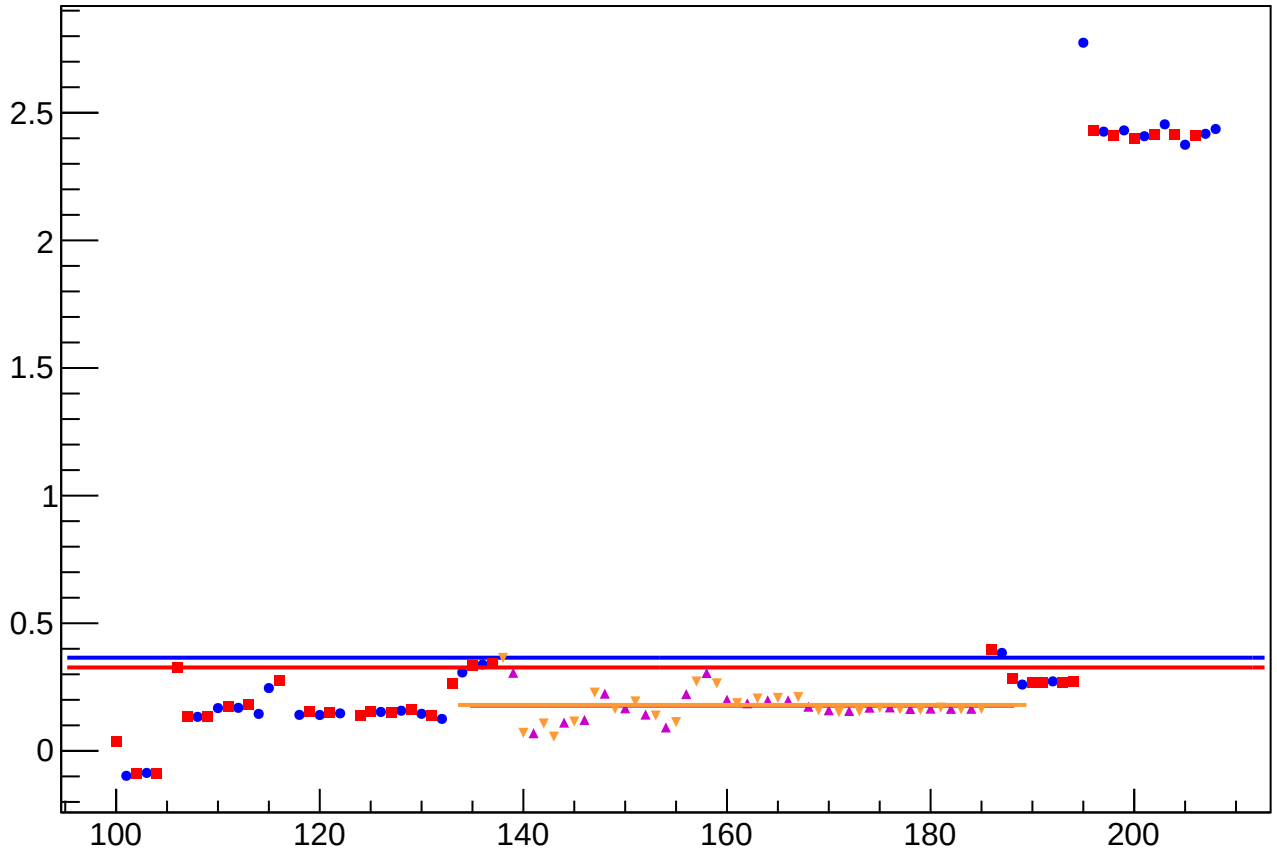
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2449793.6/51

All: 0.011+/-0.000 χ^2/NDF: 3639903.6/105

- sign 0.011+/-0.000 χ^2/NDF: 1188140.5/53

yield_bpm0l09Y_mean vs Slug



Right In: 0.365+/-0.000 χ^2/NDF: 175854787908.4/26

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.327+/-0.000 χ^2/NDF: 140811633874.6/30

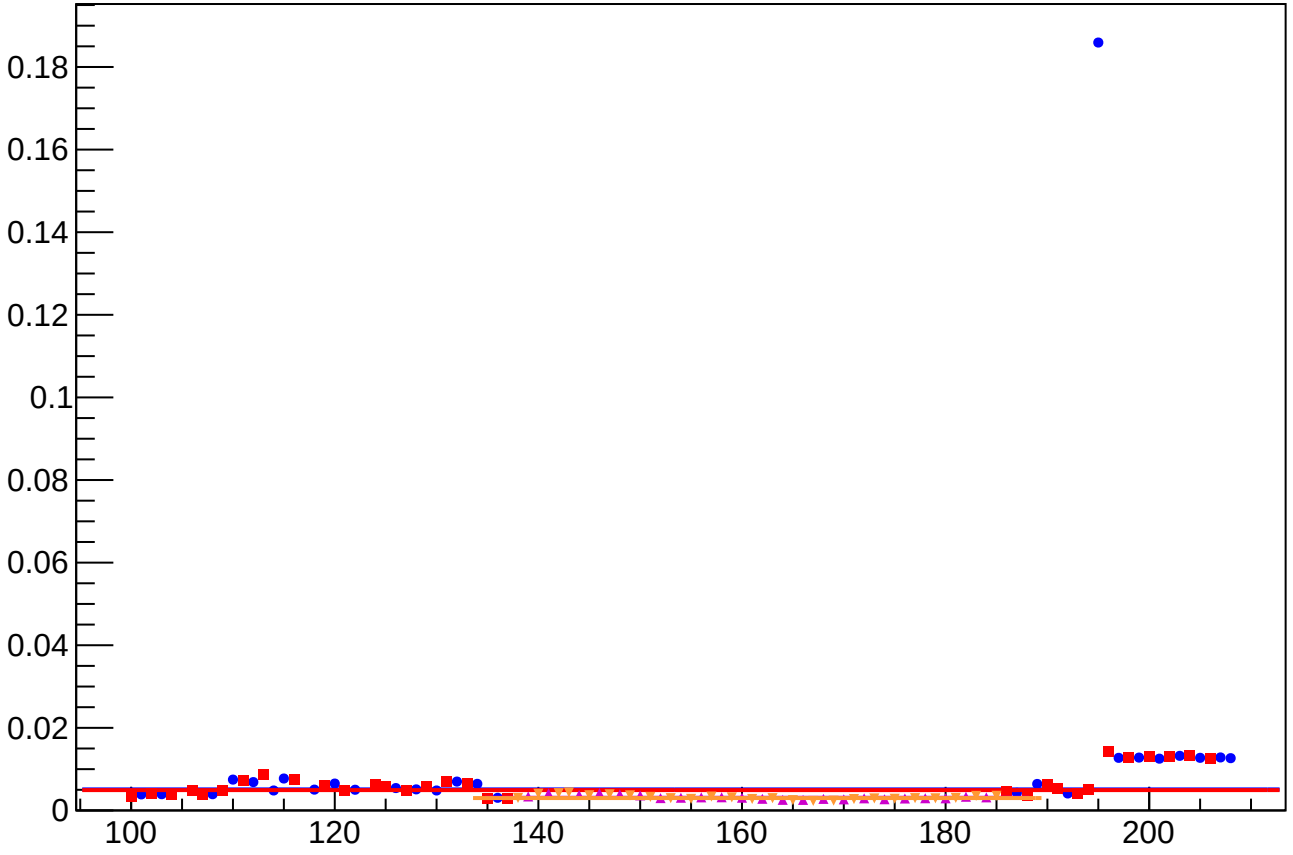
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.213+/-0.000 χ^2/NDF: 194093918057.3/51

All: 0.211+/-0.000 χ^2/NDF: 348090353726.2

- sign 0.209+/-0.000 χ^2/NDF: 153984773442.2/53

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 7331137.2/26

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

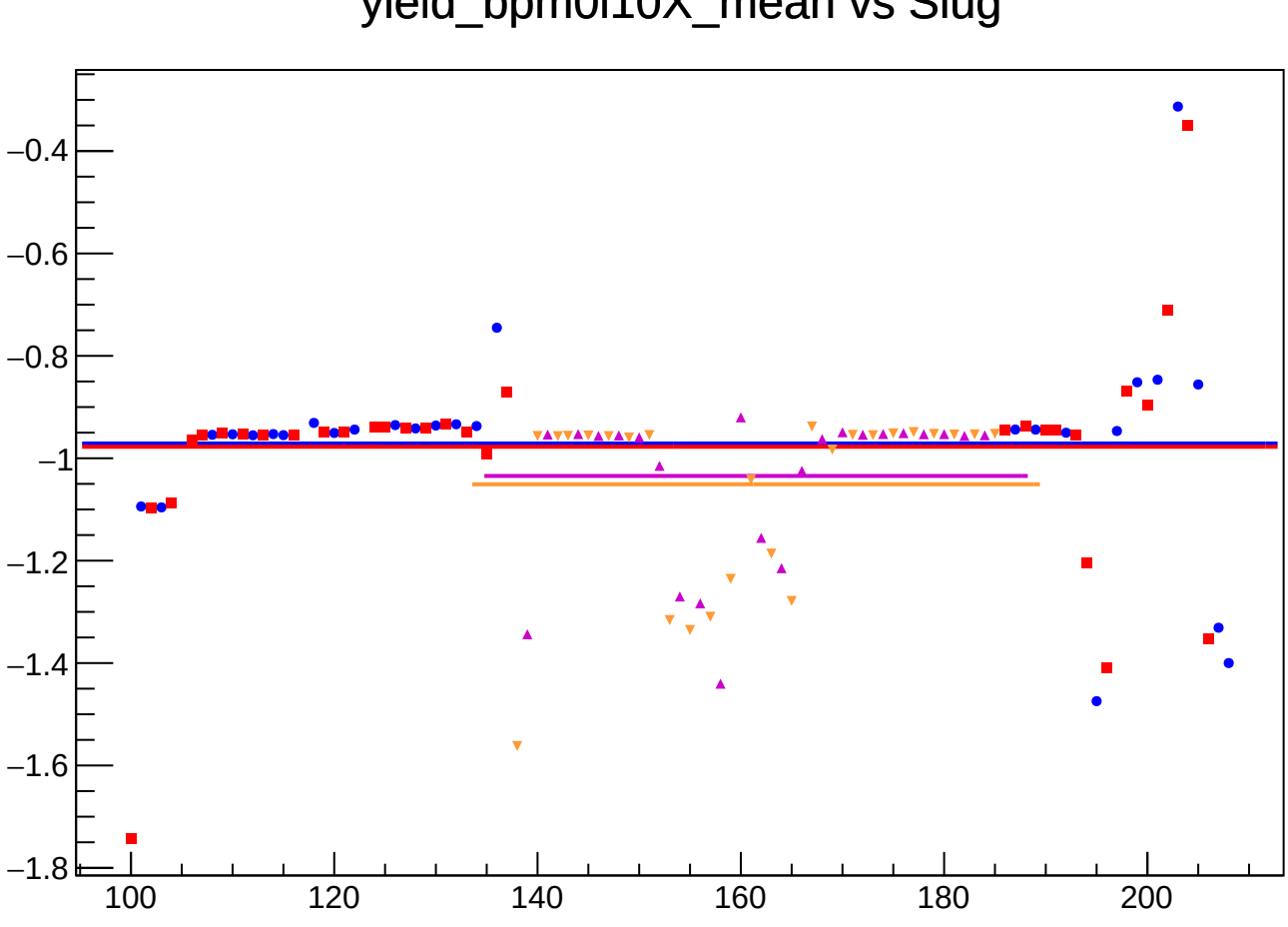
Right Out: 0.005+/-0.000 χ^2/NDF: 5254901.4/30

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

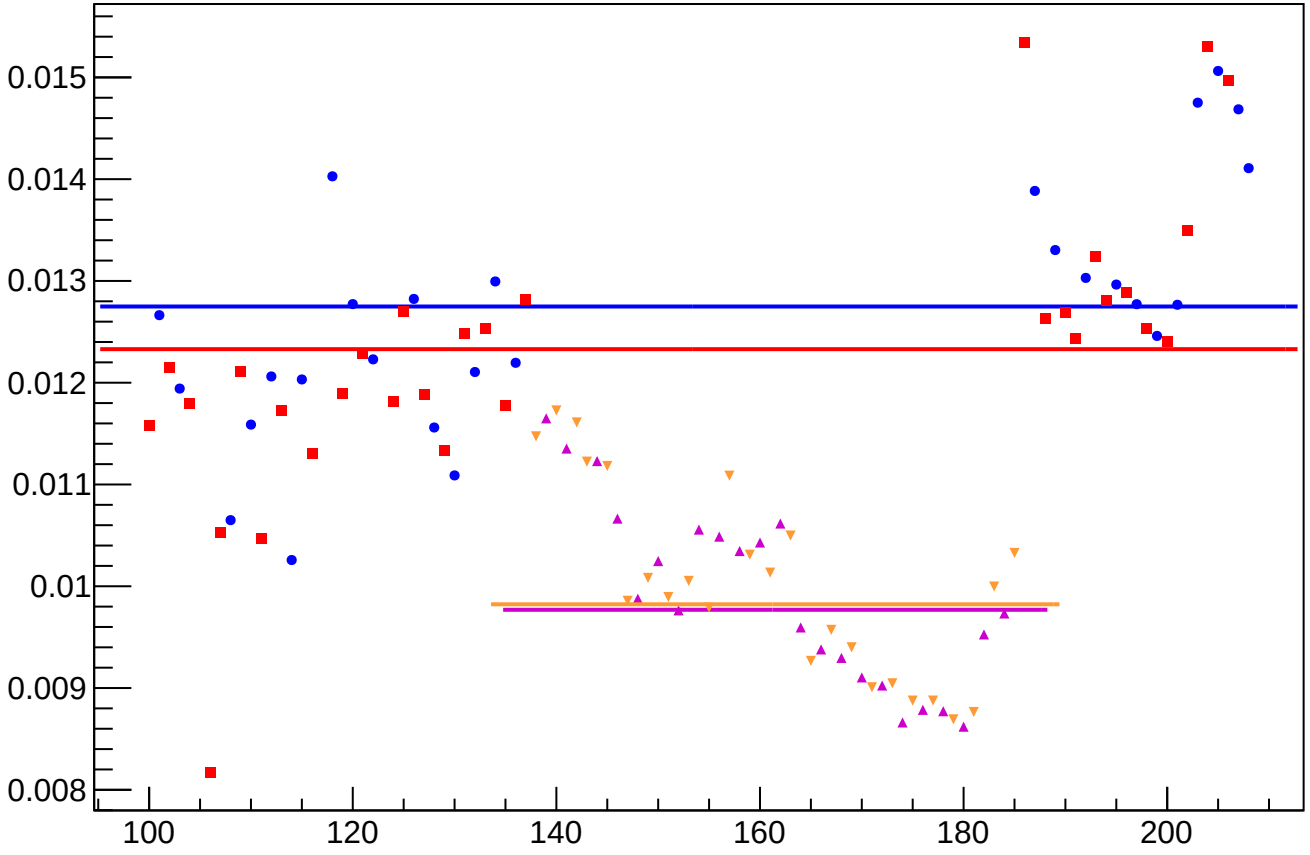
+ sign 0.003+/-0.000 χ^2/NDF: 11239266.2/51

All: 0.003+/-0.000 χ^2/NDF: 19735026.3/105

- sign 0.003+/-0.000 χ^2/NDF: 8471140.1/53


yield_bpm0l10X_mean vs Slug
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
100
120
140
160
180
200
Right In: -0.971+/-0.000 χ²/NDF: 4883962735.9/26
Left Out: -1.051+/-0.000 χ²/NDF:5082084184.4/24
Right Out: -0.978+/-0.000 χ²/NDF: 4082143119.4/30
Left In: -1.035+/-0.000 χ²/NDF:3925761523.9/22
+ sign -1.025+/-0.000 χ²/NDF: 10364437696.6/51
All: -1.019+/-0.000 χ²/NDF: 18604152762.6/
- sign -1.014+/-0.000 χ²/NDF: 8223016655.7/53

yield_bpm0l10X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 230017.1/26

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

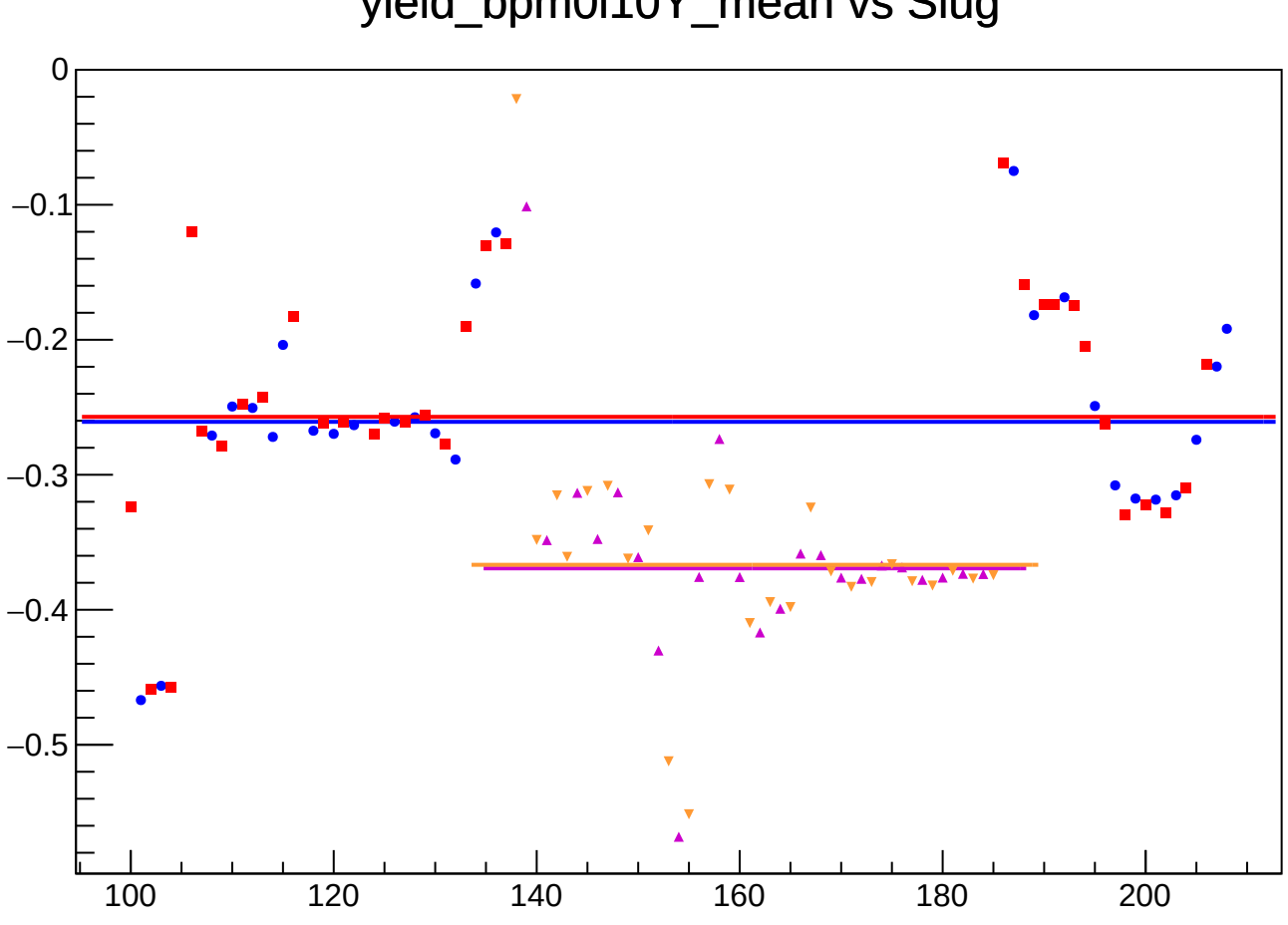
Right Out: 0.012+/-0.000 χ^2/NDF: 404517.4/30

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF: 1597013.6/51

All: 0.011+/-0.000 χ^2/NDF: 3155115.7/105

- sign 0.011+/-0.000 χ^2/NDF: 1555935.7/53



Right In: -0.261+/-0.000 χ^2/NDF: 8215533709.6/26

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.257+/-0.000 χ^2/NDF: 8313883953.4/30

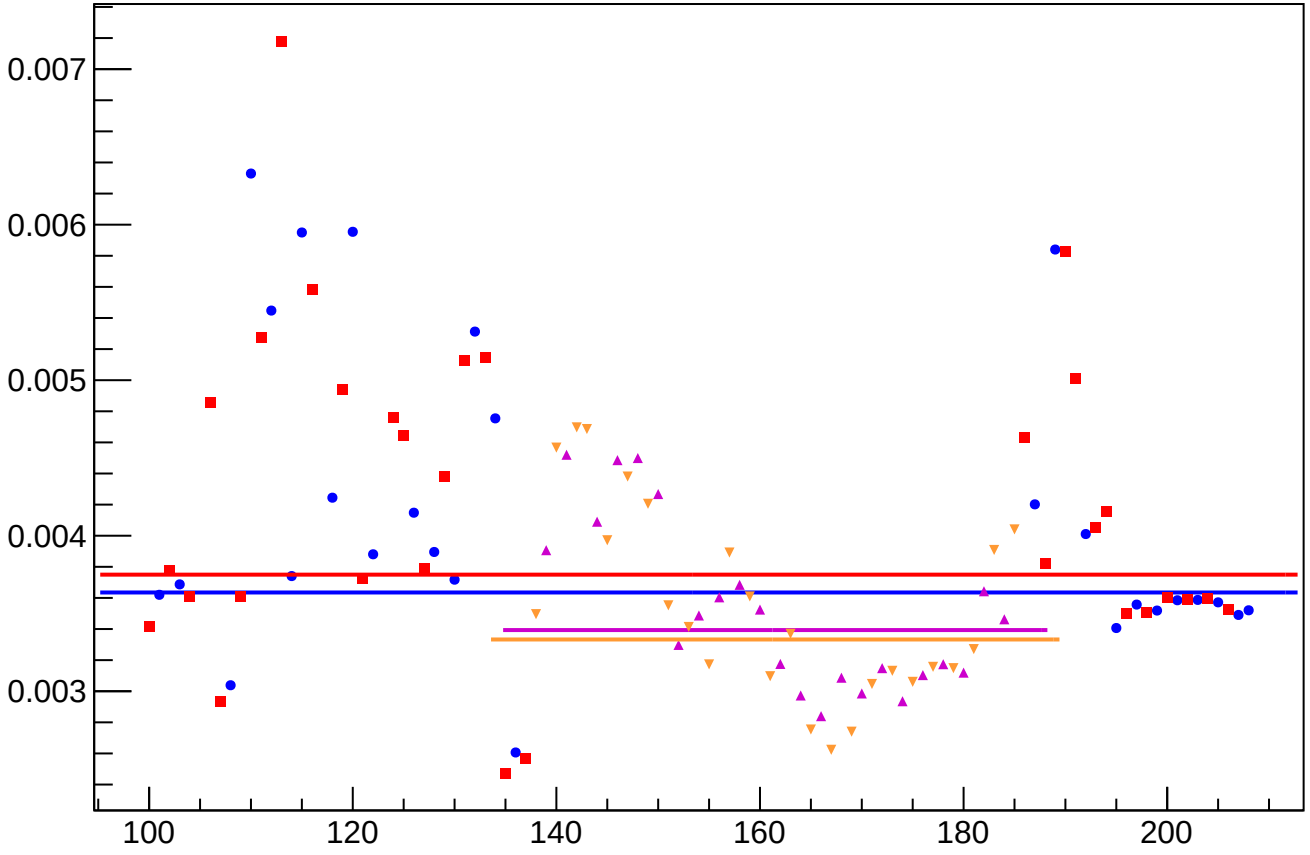
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.324+/-0.000 χ^2/NDF: 27278918414.6/51

All: -0.323+/-0.000 χ^2/NDF: 50765993949.4/

- sign -0.322+/-0.000 χ^2/NDF: 23483142487.5/53

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 909288.9/26

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1091204.0/30

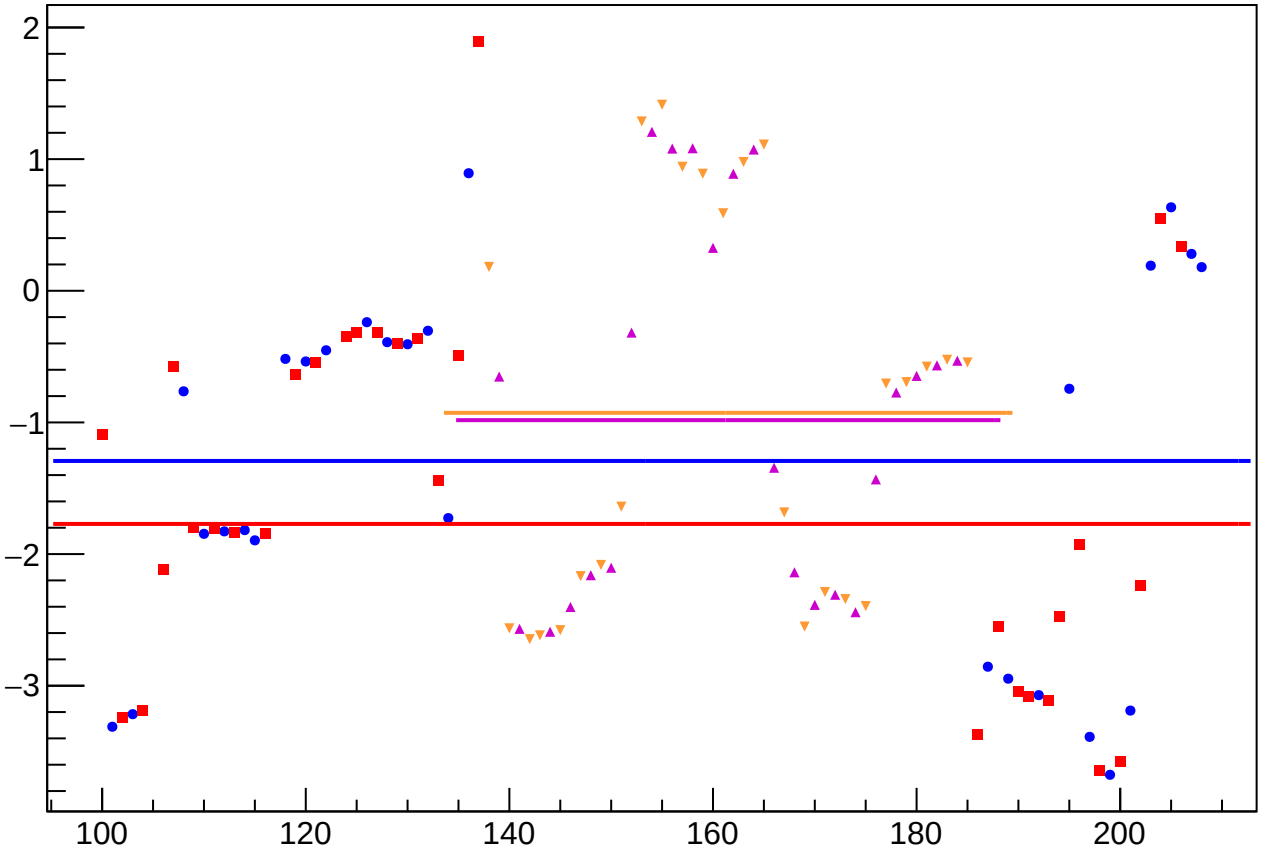
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1882934.5/51

All: 0.003+/-0.000 χ^2/NDF: 3780579.1/105

- sign 0.004+/-0.000 χ^2/NDF: 1877792.6/53

yield_bpm0r03X_mean vs Slug



Right In: -1.293+/-0.000 χ^2/NDF: 6605997951.8/26

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

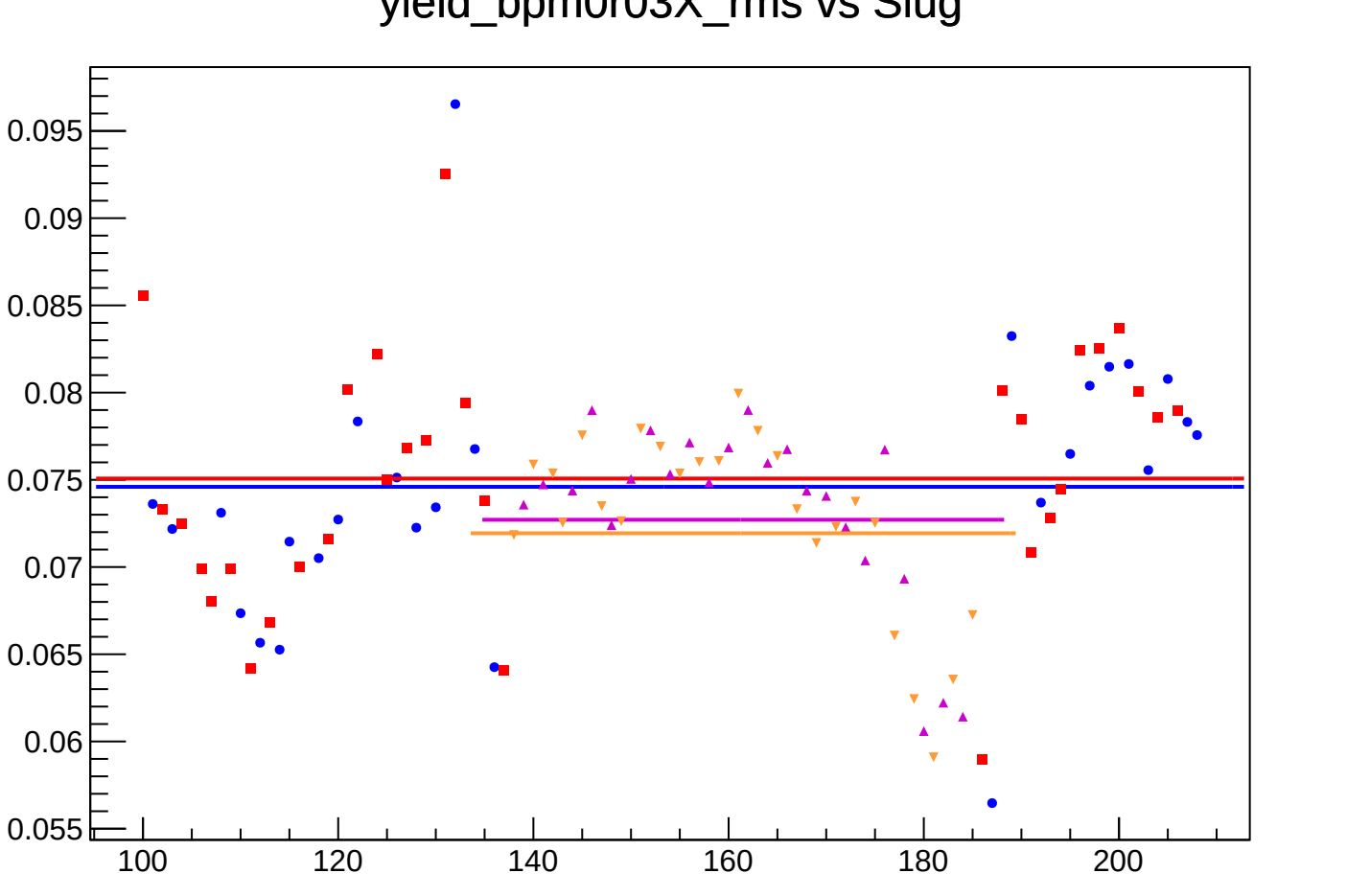
Right Out: -1.771+/-0.000 χ^2/NDF: 5376845991.2/30

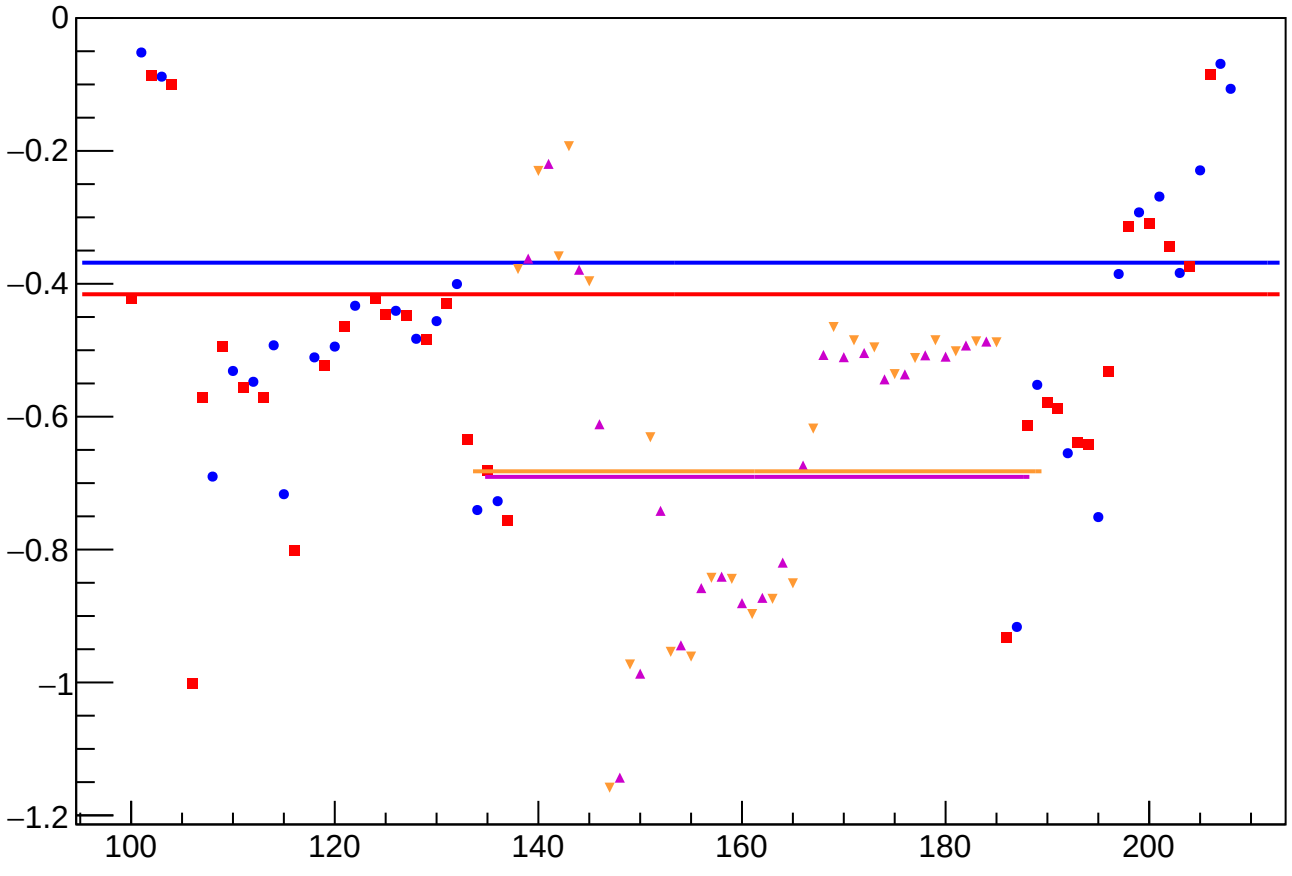
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.085+/-0.000 χ^2/NDF: 14065784238.5/51

All: -1.212+/-0.000 χ^2/NDF: 26537330694.5/

- sign -1.343+/-0.000 χ^2/NDF: 12258959287.9/53


yield_bpm0r03X_rms vs Slug
0.095
0.09
0.085
0.08
0.075
0.07
0.065
0.06
0.055
100
120
140
160
180
200
Right In: 0.075+/-0.000 χ²/NDF: 224819.7/26
Left Out: 0.072+/-0.000 χ²/NDF:235534.6/24
Right Out: 0.075+/-0.000 χ²/NDF: 243910.3/30
Left In: 0.073+/-0.000 χ²/NDF:197009.2/22
+ sign 0.073+/-0.000 χ²/NDF: 482750.5/51
All: 0.073+/-0.000 χ²/NDF: 944186.0/105
- sign 0.074+/-0.000 χ²/NDF: 458245.0/53



Right In: -0.368+/-0.000 χ^2/NDF: 11872795825.7/26

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.416+/-0.000 χ^2/NDF: 8965842411.4/30

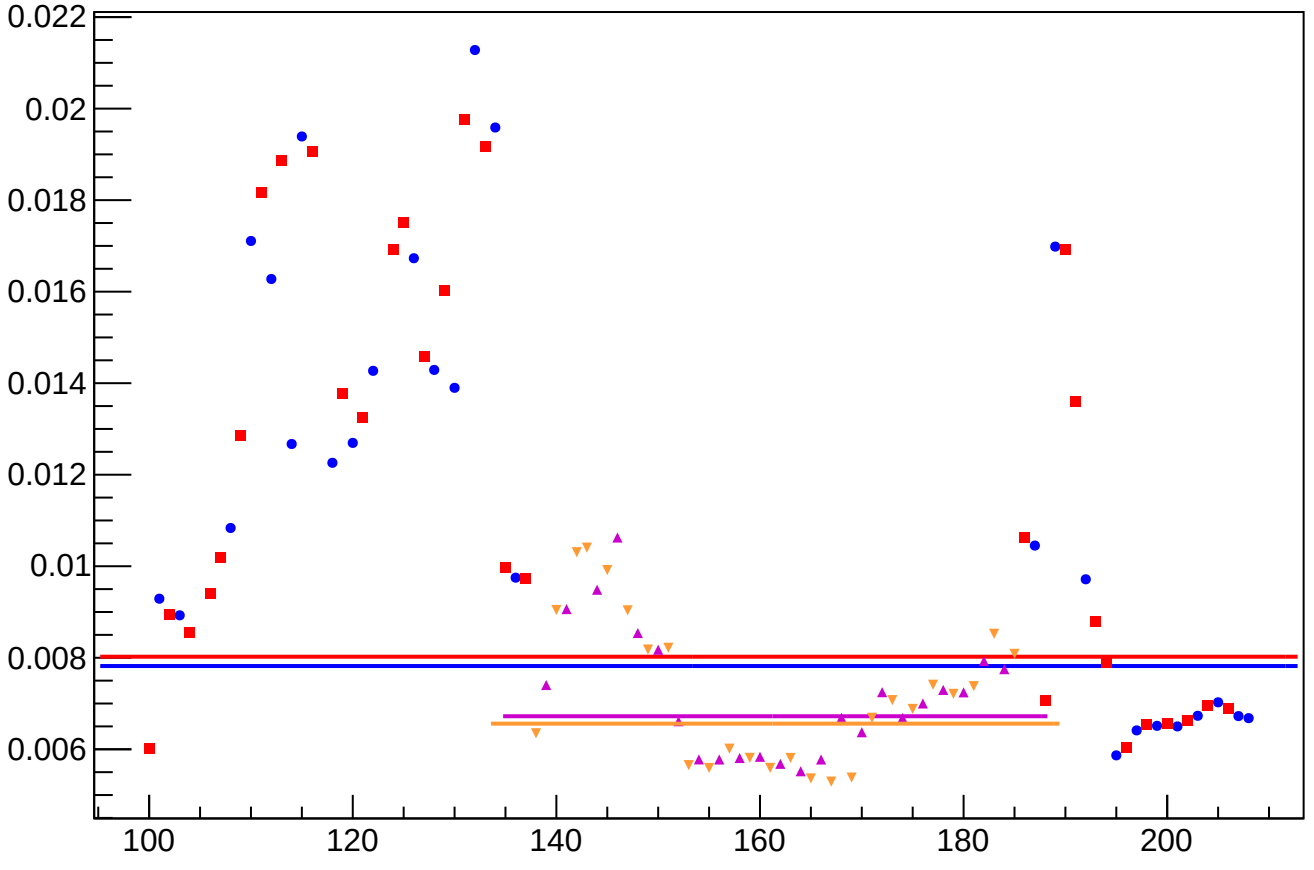
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.573+/-0.000 χ^2/NDF: 47635091387.6/51

All: -0.582+/-0.000 χ^2/NDF: 83638532282.4/

- sign -0.591+/-0.000 χ^2/NDF: 35906951866.6/53

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 2998959.1/26

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3116125.2/30

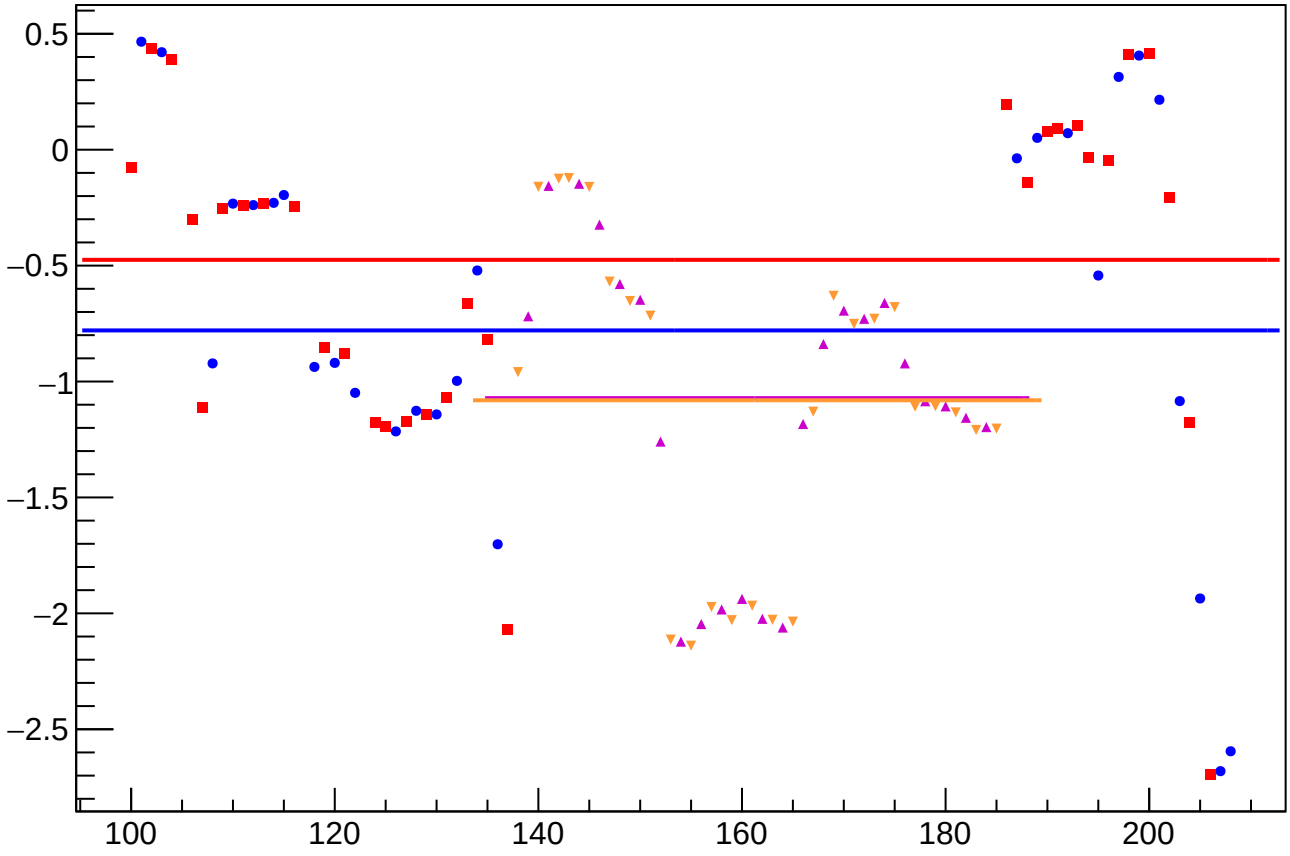
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4851270.2/51

All: 0.007+/-0.000 χ^2/NDF: 9402457.3/105

- sign 0.007+/-0.000 χ^2/NDF: 4528305.9/53

yield_bpm0r05X_mean vs Slug



Right In: -0.780+/-0.000 χ^2/NDF: 1683453408.9/26

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.475+/-0.000 χ^2/NDF: 1232528582.4/30

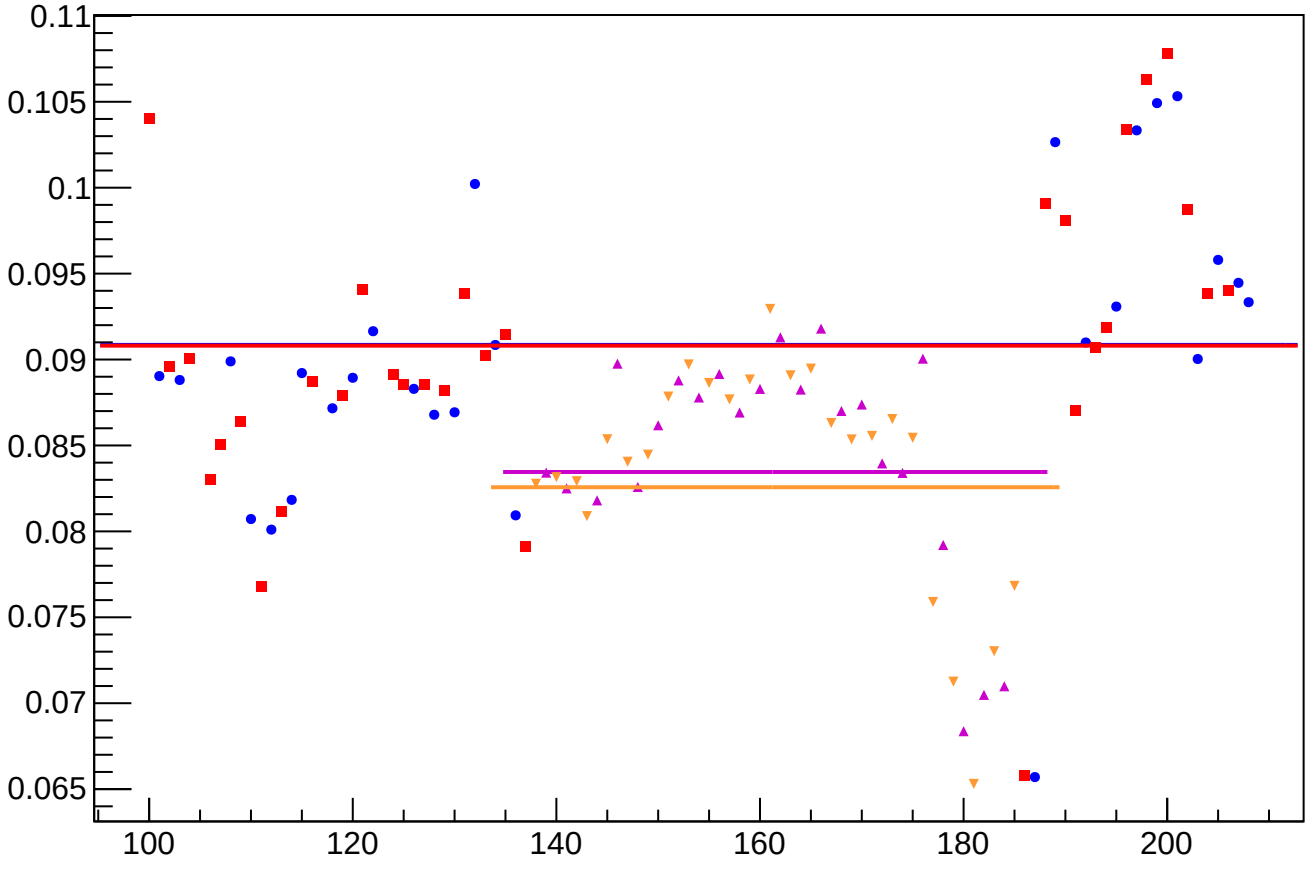
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.959+/-0.000 χ^2/NDF: 2938358367.4/51

All: -0.888+/-0.000 χ^2/NDF: 5593971222.2/1

- sign -0.814+/-0.000 χ^2/NDF: 2606813024.6/53

yield_bpm0r05X_rms vs Slug



Right In: 0.091+/-0.000 χ^2/NDF: 238975.8/26

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.091+/-0.000 χ^2/NDF: 327542.9/30

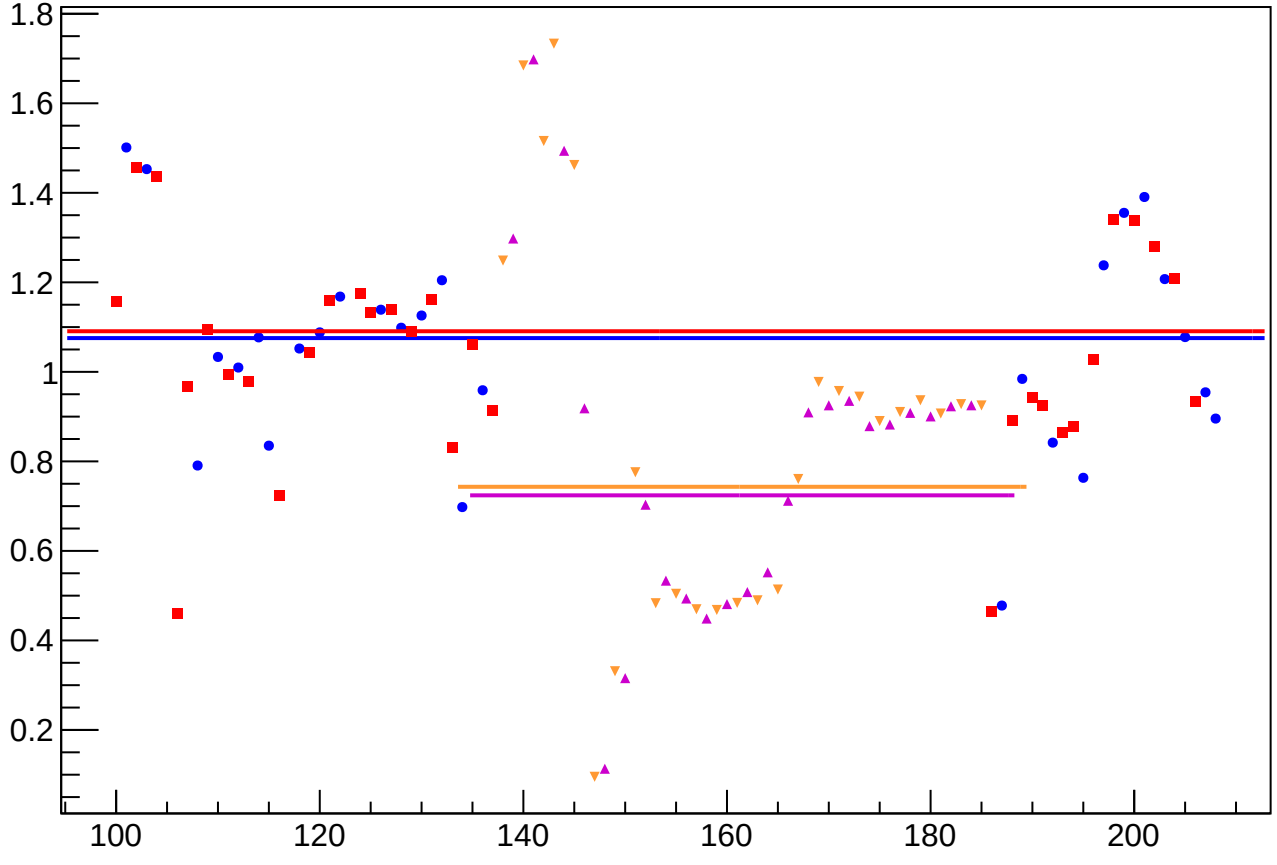
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.086+/-0.000 χ^2/NDF: 685126.1/51

All: 0.086+/-0.000 χ^2/NDF: 1374612.0/105

- sign 0.087+/-0.000 χ^2/NDF: 687079.0/53

yield_bpm0r05Y_mean vs Slug



Right In: 1.075+/-0.000 χ^2/NDF: 5601991116.7/26

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.091+/-0.000 χ^2/NDF: 4960508288.2/30

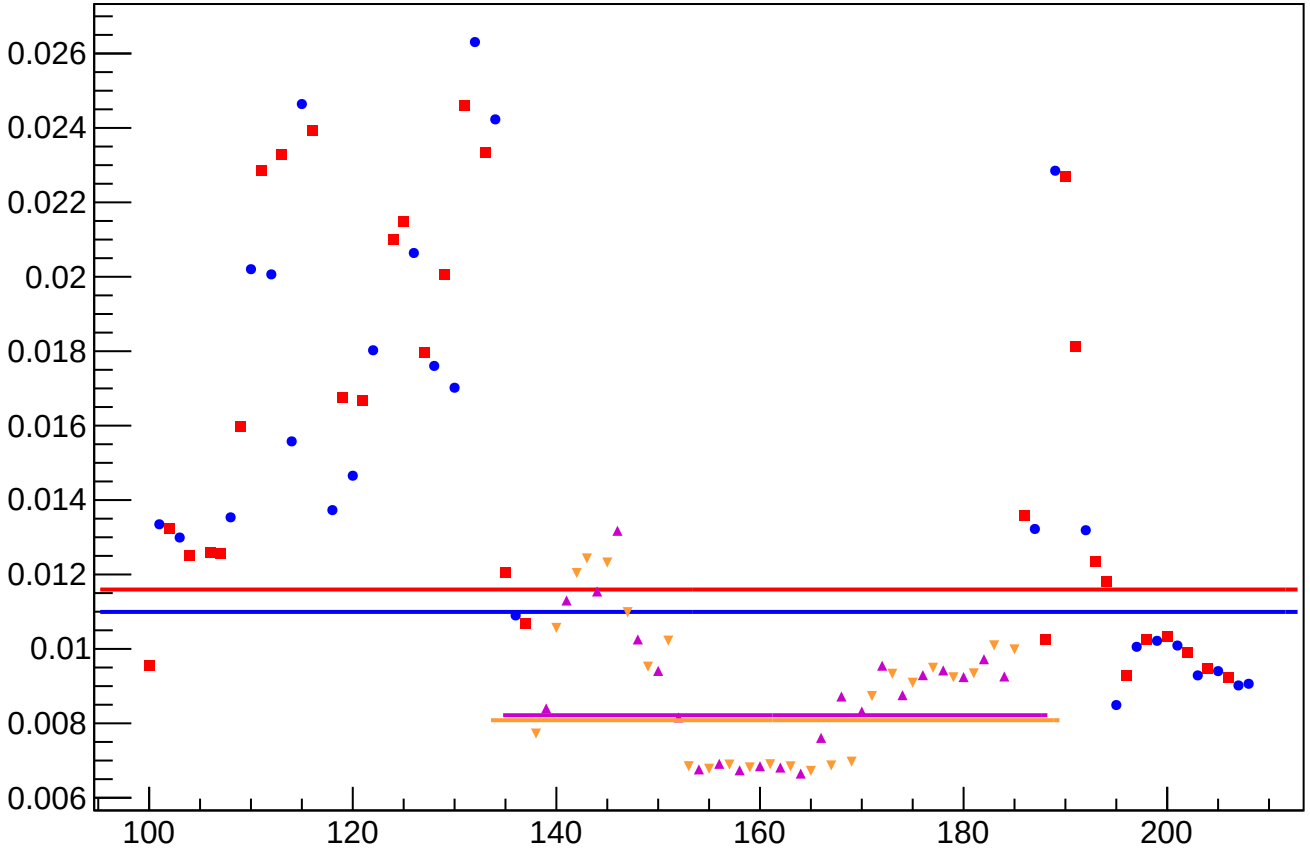
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.841+/-0.000 χ^2/NDF: 46961631417.4/51

All: 0.837+/-0.000 χ^2/NDF: 87400090032.8/1

- sign 0.832+/-0.000 χ^2/NDF: 40425467319.3/53

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 2193891.6/26

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2222365.1/30

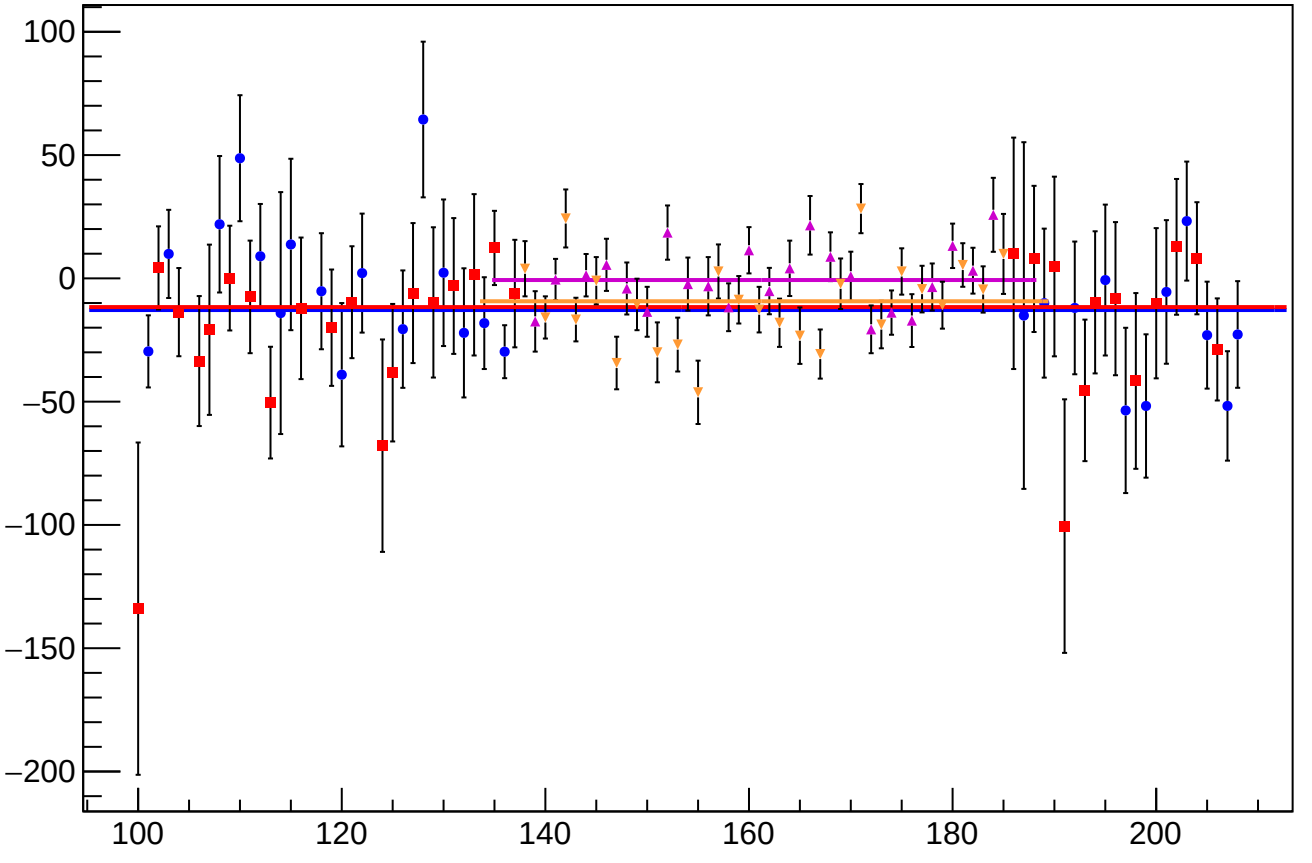
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4947517.7/51

All: 0.009+/-0.000 χ^2/NDF: 9991579.8/105

- sign 0.009+/-0.000 χ^2/NDF: 5015988.7/53

diff_bpm4aX_mean vs Slug



Right In: -12.847+/-4.440 χ^2/NDF: 31.5/26

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: -11.650+/-4.626 χ^2/NDF: 22.1/30

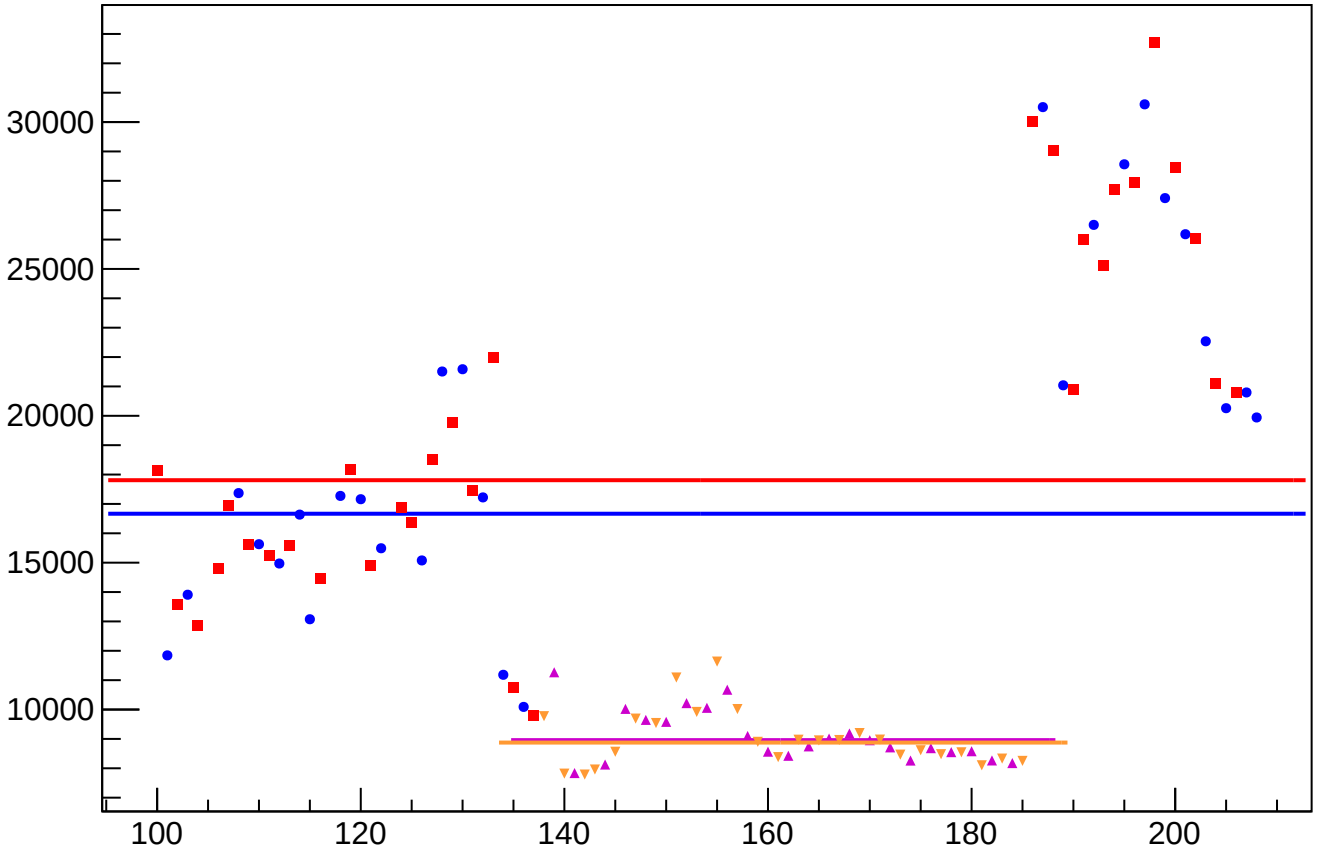
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.907+/-1.847 χ^2/NDF: 93.2/51

All: -6.366+/-1.329 χ^2/NDF: 157.0/105

- sign -2.557+/-1.915 χ^2/NDF: 56.1/53

diff_bpm4aX_rms vs Slug



Right In: 16666.257+/-3.139 χ^2/NDF: 3155250.1/26

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 17807.844+/-3.271 χ^2/NDF: 3112979.4/30

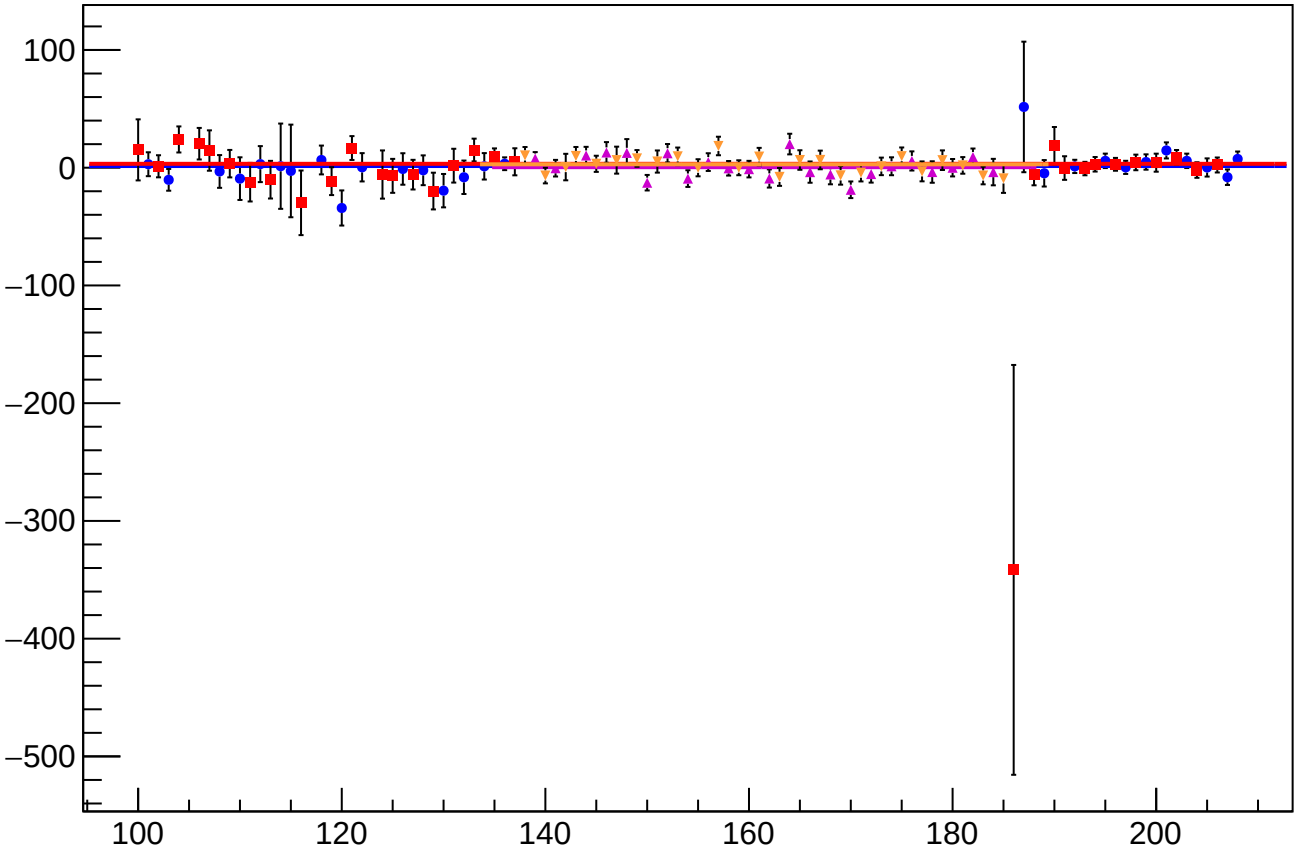
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 10223.465+/-1.306 χ^2/NDF: 8595498.2/51

All: 10344.865+/-0.940 χ^2/NDF: 18091271.0

- sign 10475.478+/-1.354 χ^2/NDF: 9477828.5/53

diff_bpm4aY_mean vs Slug



Right In: 1.426+/-1.685 χ^2/NDF: 20.1/26

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

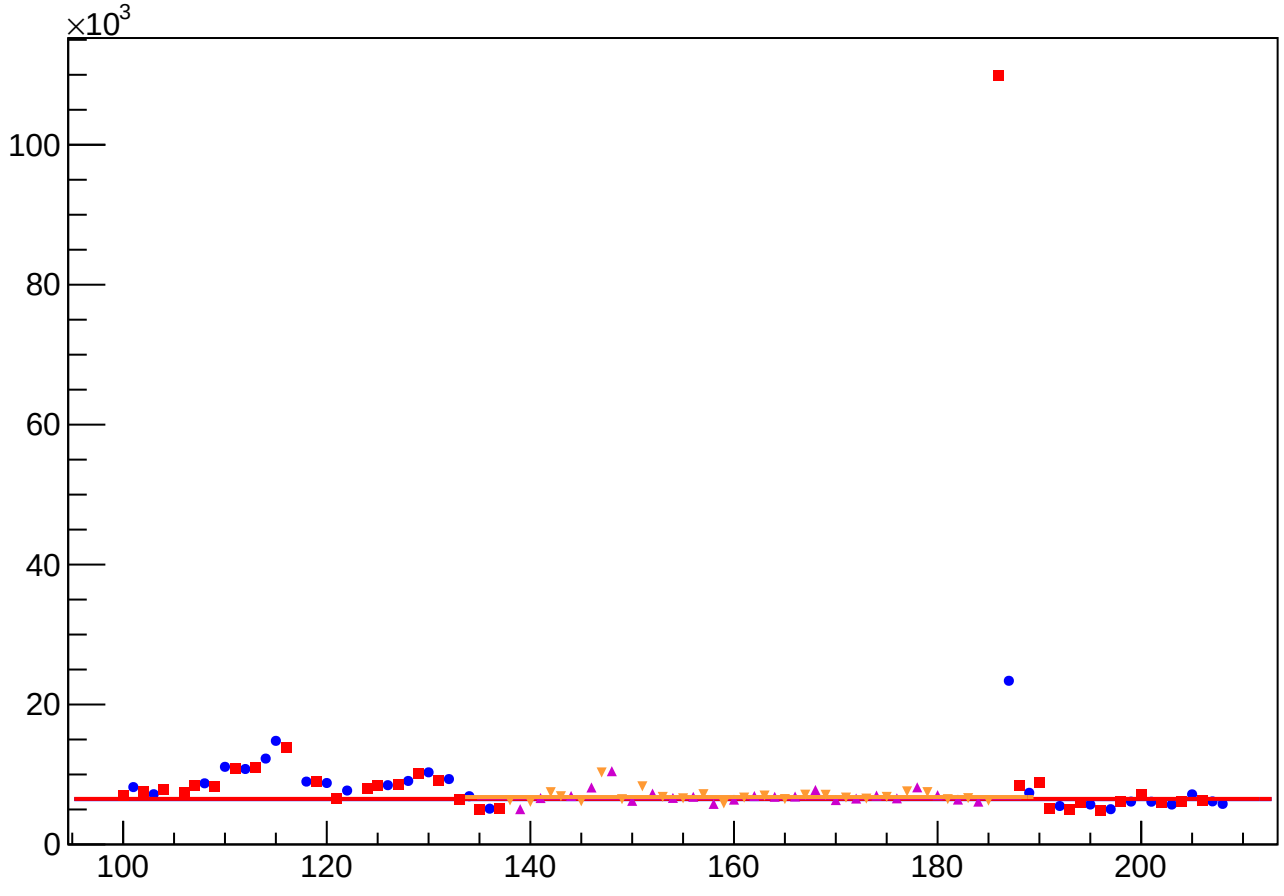
Right Out: 3.299+/-1.684 χ^2/NDF: 25.7/30

Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 2.211+/-1.142 χ^2/NDF: 40.0/51

All: 2.002+/-0.811 χ^2/NDF: 100.1/105

- sign 1.788+/-1.153 χ^2/NDF: 60.0/53



Right In: 6469.755+/-1.191 χ^2/NDF: 1701127.5/26

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

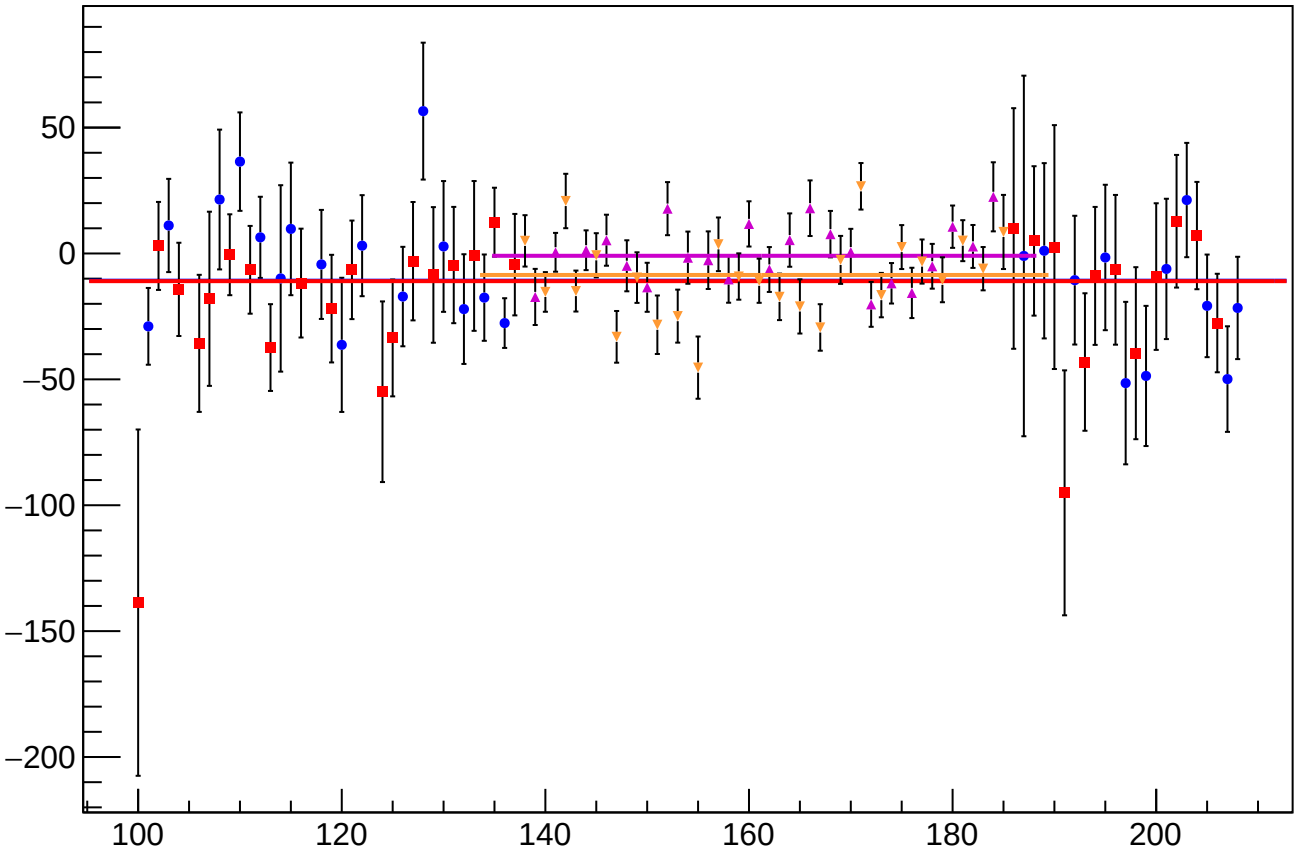
Right Out: 6511.951+/-1.191 χ^2/NDF: 2334100.4/30

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6635.670+/-0.808 χ^2/NDF: 2137171.0/51

All: 6621.123+/-0.574 χ^2/NDF: 5104025.3/10

- sign 6606.309+/-0.815 χ^2/NDF: 2966199.7/53



Right In: -10.805+/-4.059 χ^2/NDF: 32.8/26

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: -10.995+/-4.181 χ^2/NDF: 21.9/30

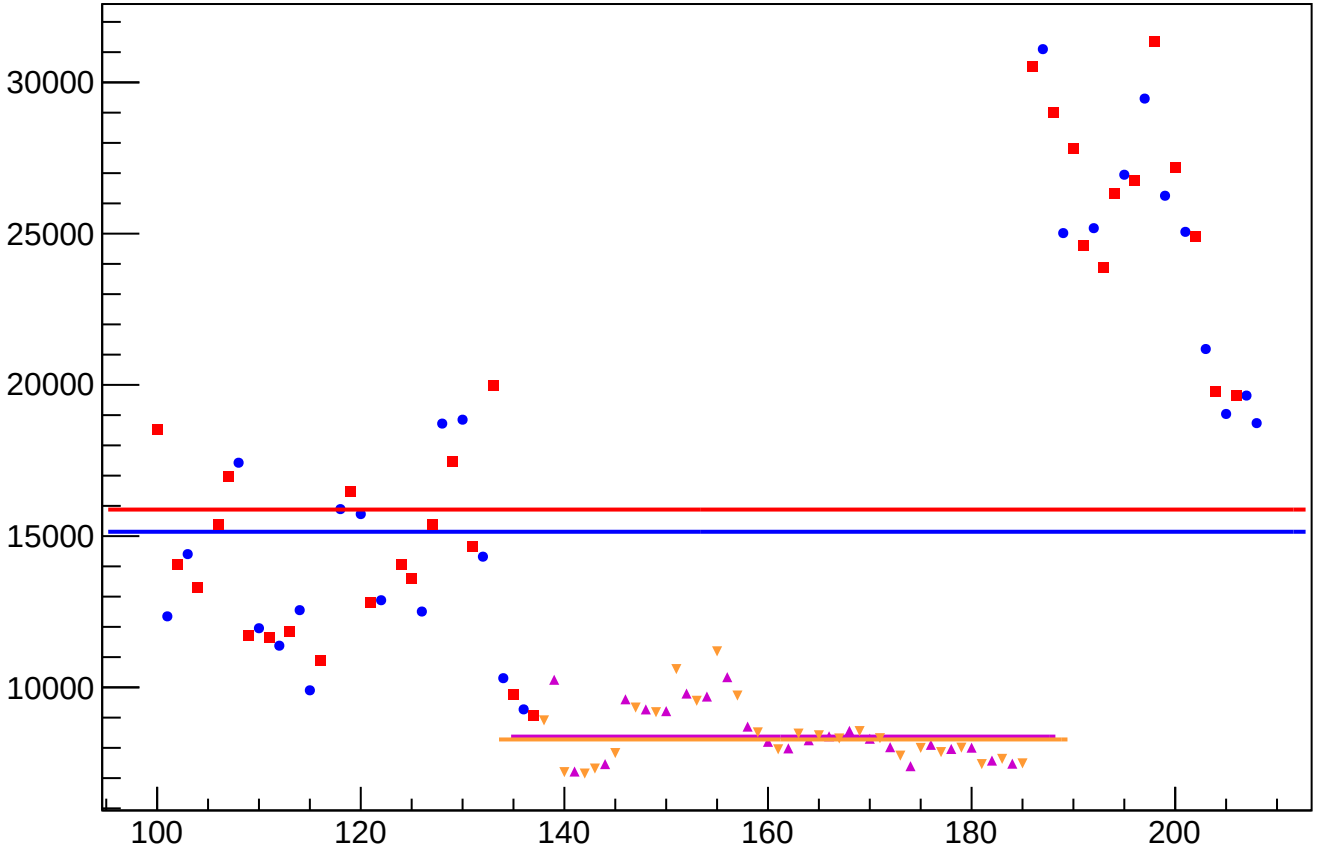
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -8.943+/-1.718 χ^2/NDF: 95.0/51

All: -5.957+/-1.237 χ^2/NDF: 156.9/105

- sign -2.748+/-1.781 χ^2/NDF: 55.7/53

diff_bpm4eX_rms vs Slug



Right In: 15144.366+/-2.870 χ^2/NDF: 3582803.1/26

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 15878.094+/-2.956 χ^2/NDF: 3873117.8/30

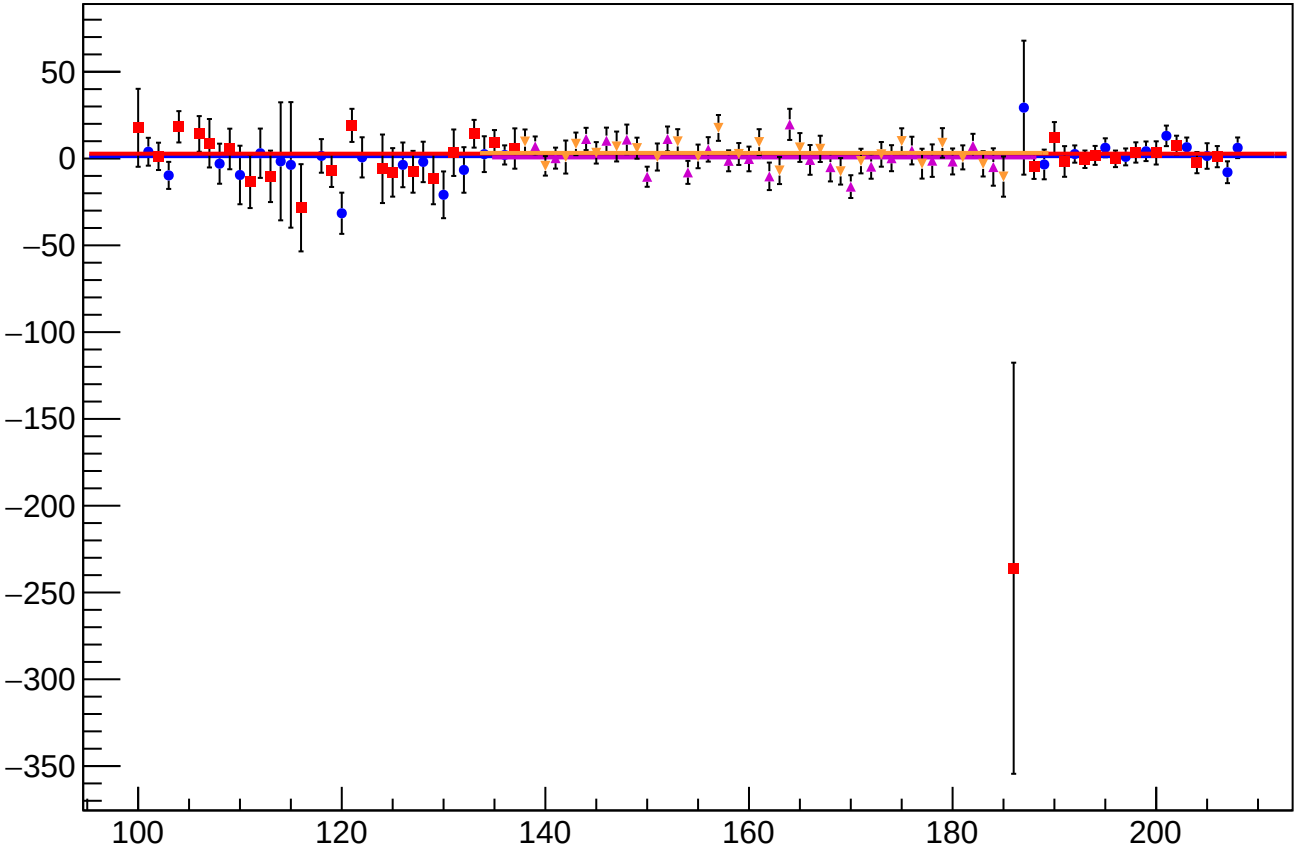
Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 9508.190+/-1.215 χ^2/NDF: 8735212.7/51

All: 9617.442+/-0.874 χ^2/NDF: 18293944.6/1

- sign 9734.841+/-1.260 χ^2/NDF: 9541959.4/53

diff_bpm4eY_mean vs Slug



Right In: 1.383+/-1.513 χ^2/NDF: 23.3/26

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: 2.807+/-1.487 χ^2/NDF: 26.5/30

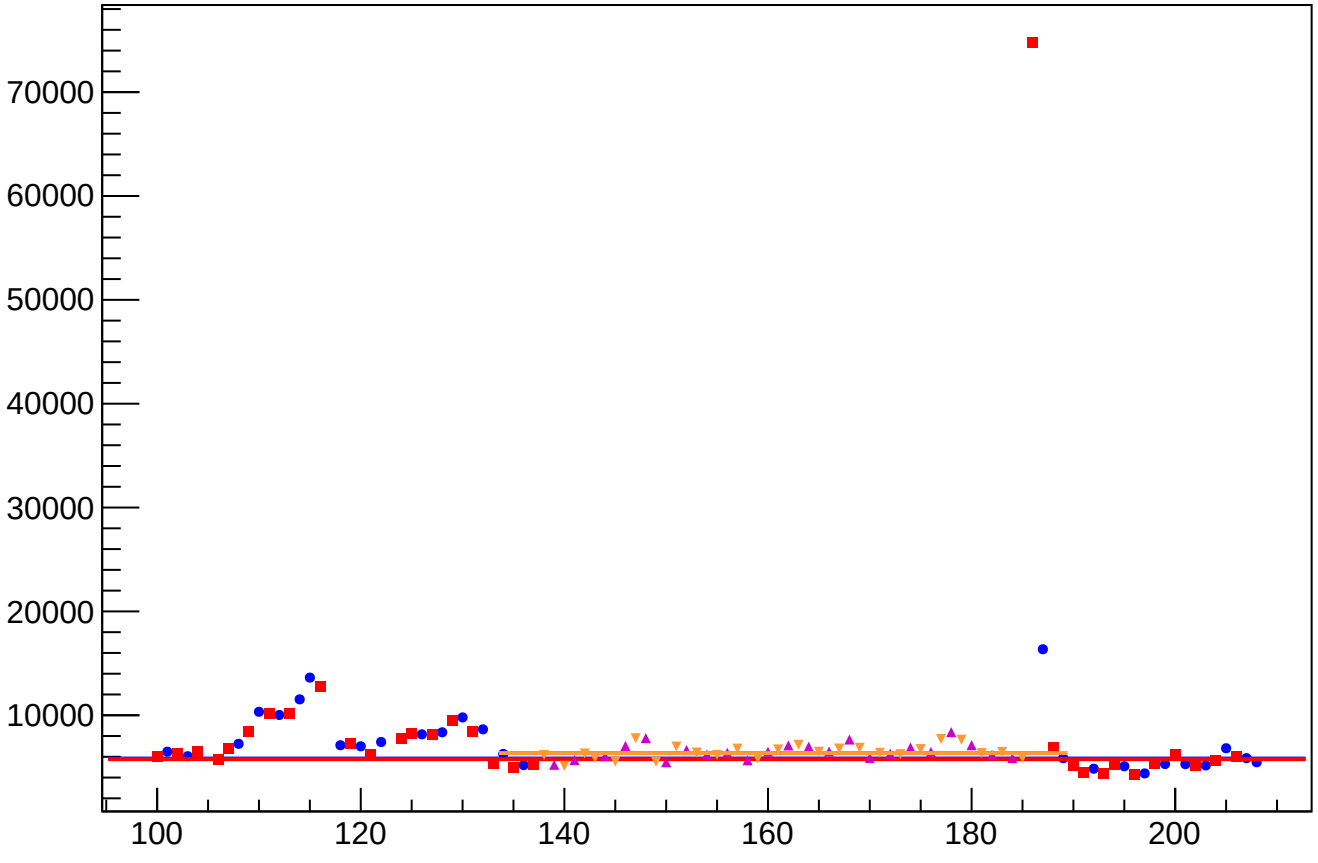
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 2.354+/-1.050 χ^2/NDF: 41.7/51

All: 2.047+/-0.744 χ^2/NDF: 100.2/105

- sign 1.735+/-1.056 χ^2/NDF: 58.3/53

diff_bpm4eY_rms vs Slug



Right In: 5828.582+/-1.070 χ^2/NDF: 1600502.9/26

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5773.598+/-1.052 χ^2/NDF: 2297622.5/30

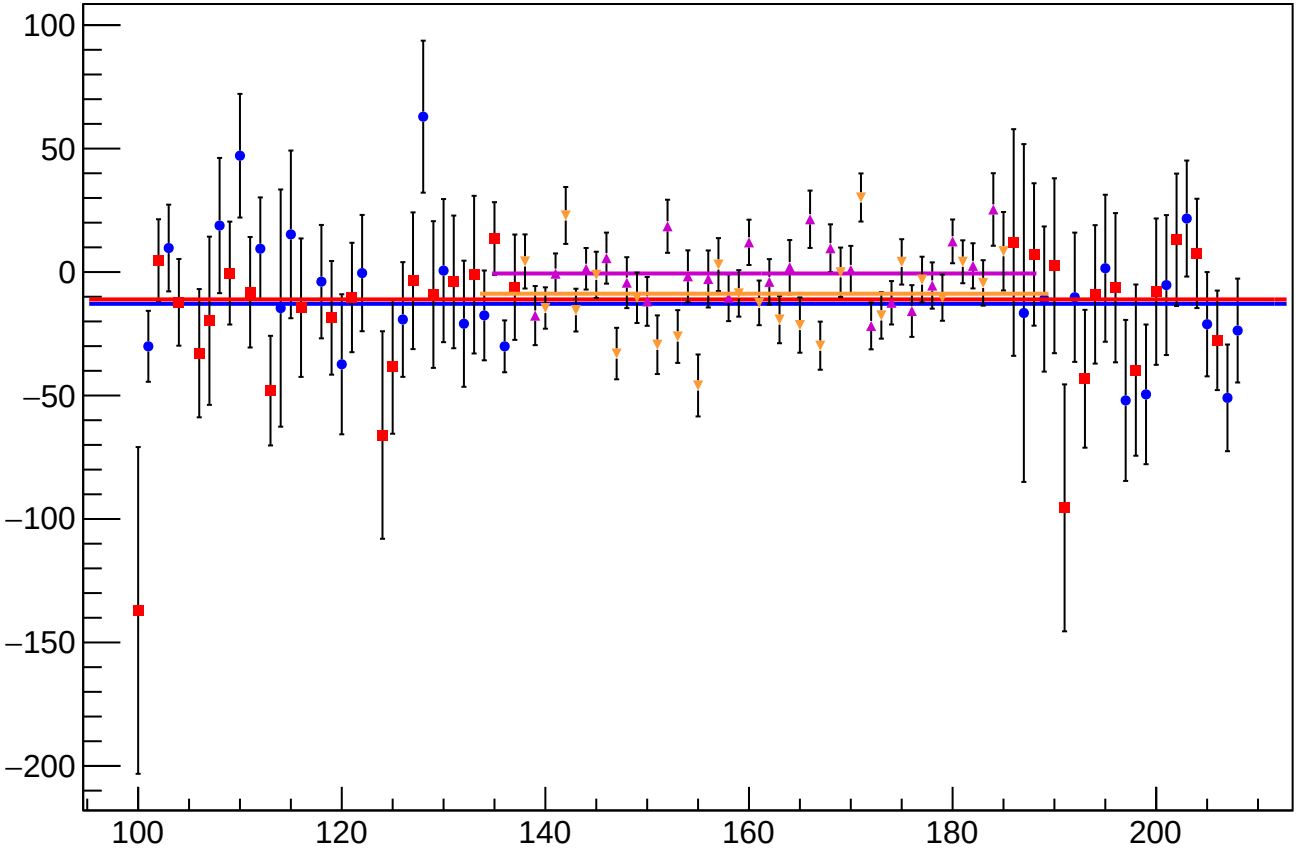
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6103.103+/-0.742 χ^2/NDF: 2141441.6/51

All: 6083.844+/-0.526 χ^2/NDF: 5068478.5/10

- sign 6064.359+/-0.747 χ^2/NDF: 2925682.4/53

diff_bpm4acX_mean vs Slug



Right In: -12.859+/-4.338 χ^2/NDF: 31.5/26

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -11.077+/-4.520 χ^2/NDF: 22.2/30

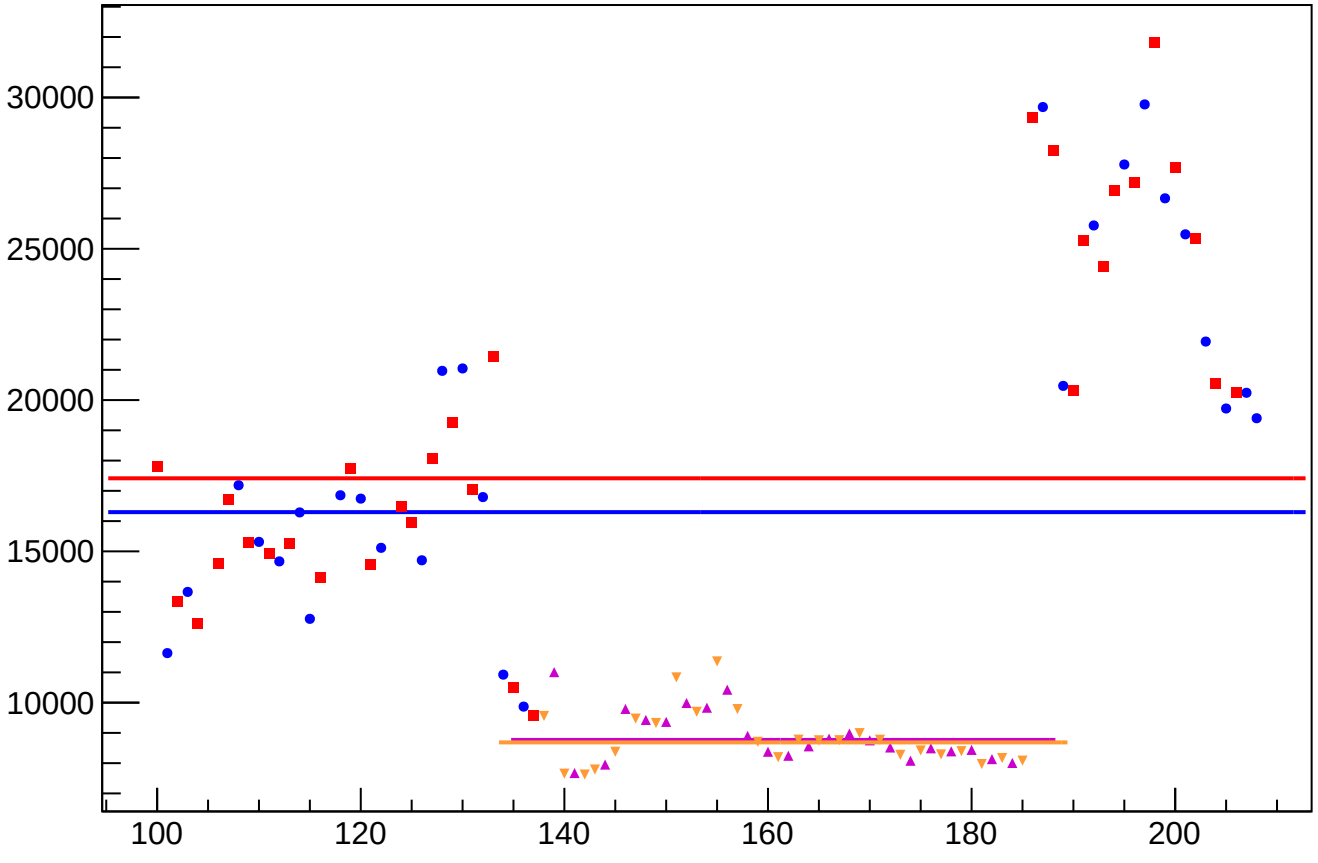
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -9.476+/-1.806 χ^2/NDF: 95.0/51

All: -6.060+/-1.301 χ^2/NDF: 158.6/105

- sign -2.383+/-1.874 χ^2/NDF: 56.2/53

diff_bpm4acX_rms vs Slug



Right In: 16296.562+/-3.067 χ^2/NDF: 3109949.7/26

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

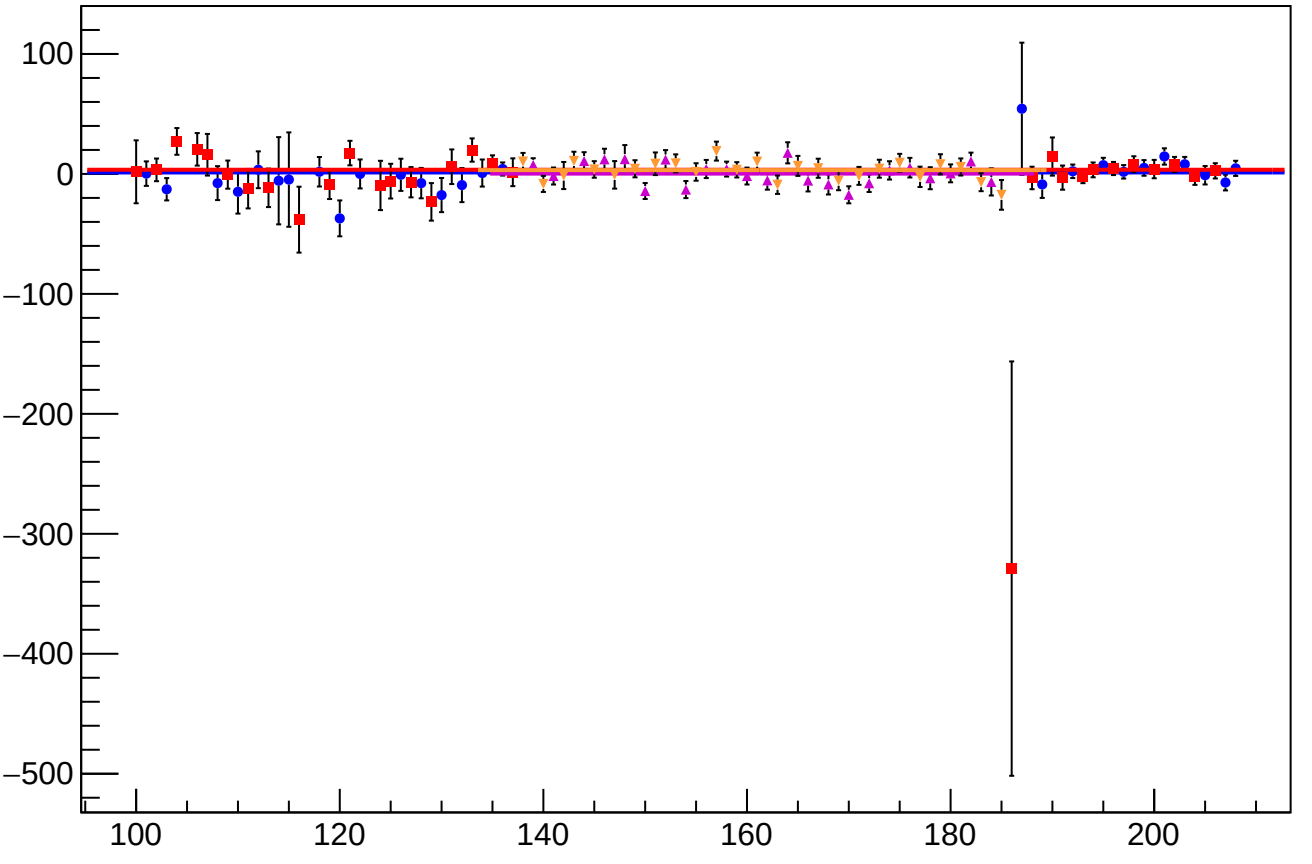
Right Out: 17414.322+/-3.196 χ^2/NDF: 3064452.4/30

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 10006.084+/-1.277 χ^2/NDF: 8539741.6/51

All: 10125.270+/-0.920 χ^2/NDF: 17977910.6

- sign 10253.517+/-1.325 χ^2/NDF: 9420095.0/53



Right In: 1.223+/-1.690 χ^2/NDF: 23.3/26

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

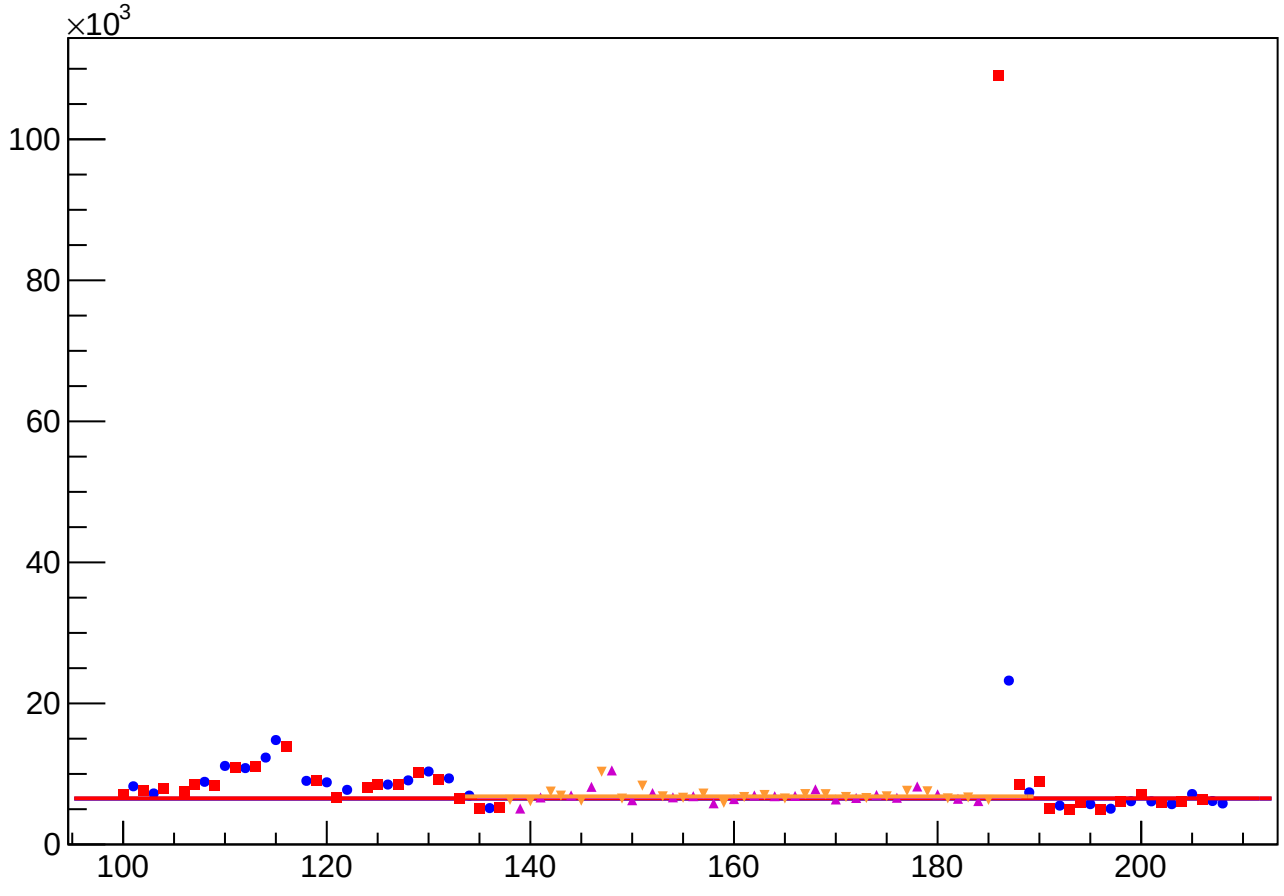
Right Out: 3.490+/-1.690 χ^2/NDF: 29.5/30

Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 2.274+/-1.147 χ^2/NDF: 45.7/51

All: 2.030+/-0.815 χ^2/NDF: 111.5/105

- sign 1.782+/-1.158 χ^2/NDF: 65.7/53



Right In: 6490.520+/-1.195 χ^2/NDF: 1699889.0/26

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

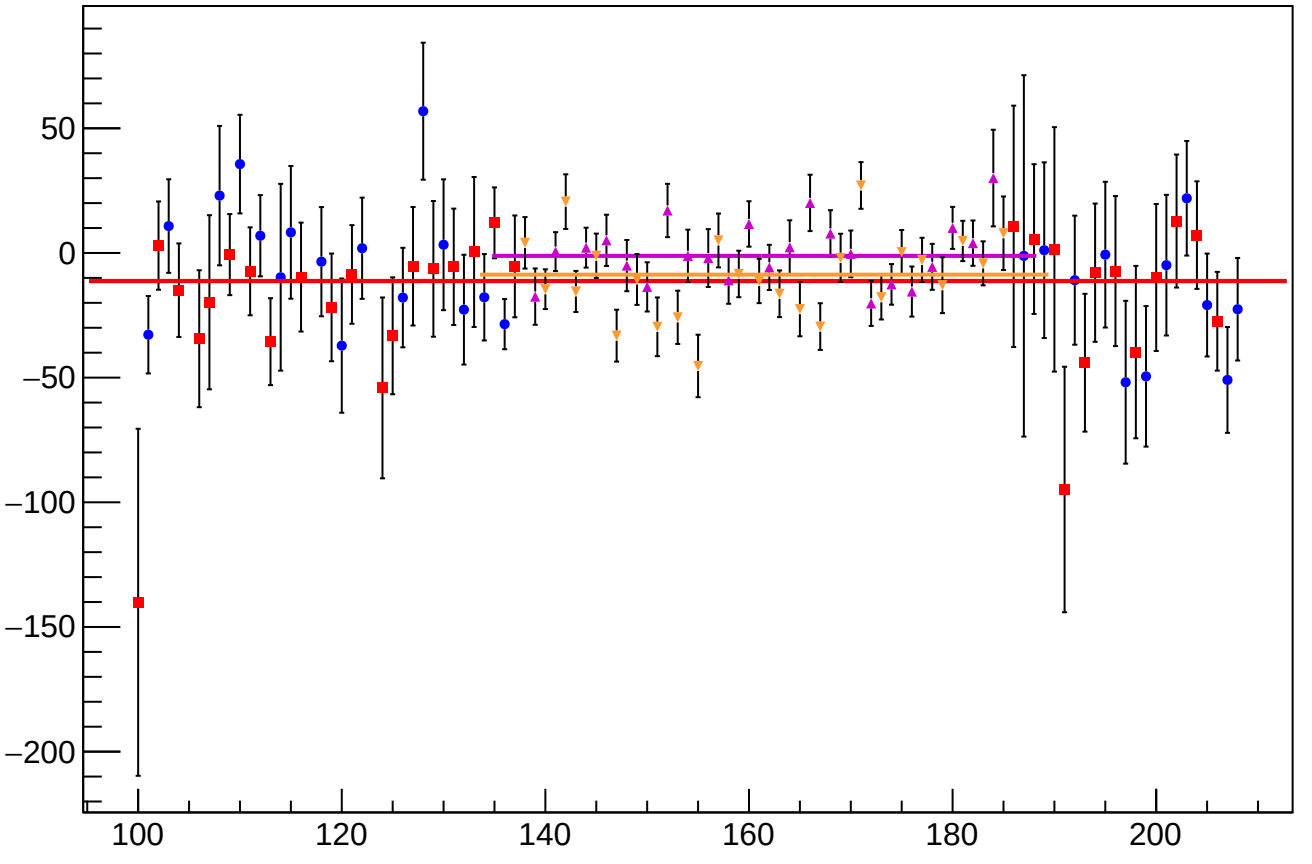
Right Out: 6537.025+/-1.195 χ^2/NDF: 2329053.2/30

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6664.447+/-0.811 χ^2/NDF: 2133773.6/51

All: 6651.465+/-0.576 χ^2/NDF: 5086910.1/10

- sign 6638.233+/-0.819 χ^2/NDF: 2952619.2/53



Right In: -11.301+/-4.113 χ^2/NDF: 33.4/26

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -11.201+/-4.239 χ^2/NDF: 20.7/30

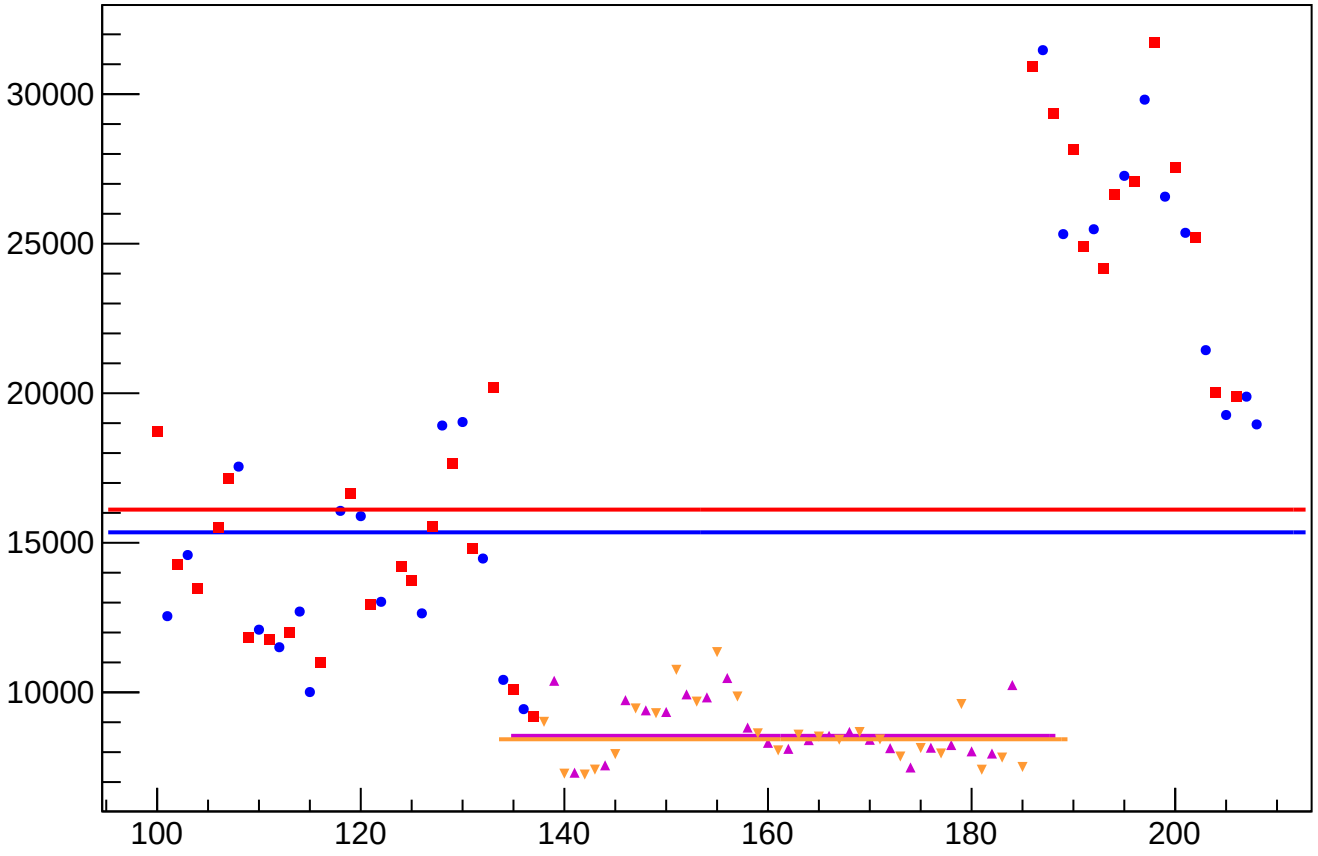
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -9.166+/-1.752 χ^2/NDF: 95.2/51

All: -6.206+/-1.261 χ^2/NDF: 154.9/105

- sign -3.018+/-1.818 χ^2/NDF: 53.8/53

diff_bpm4ecX_rms vs Slug



Right In: 15349.576+/-2.909 χ^2/NDF: 3556876.5/26

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

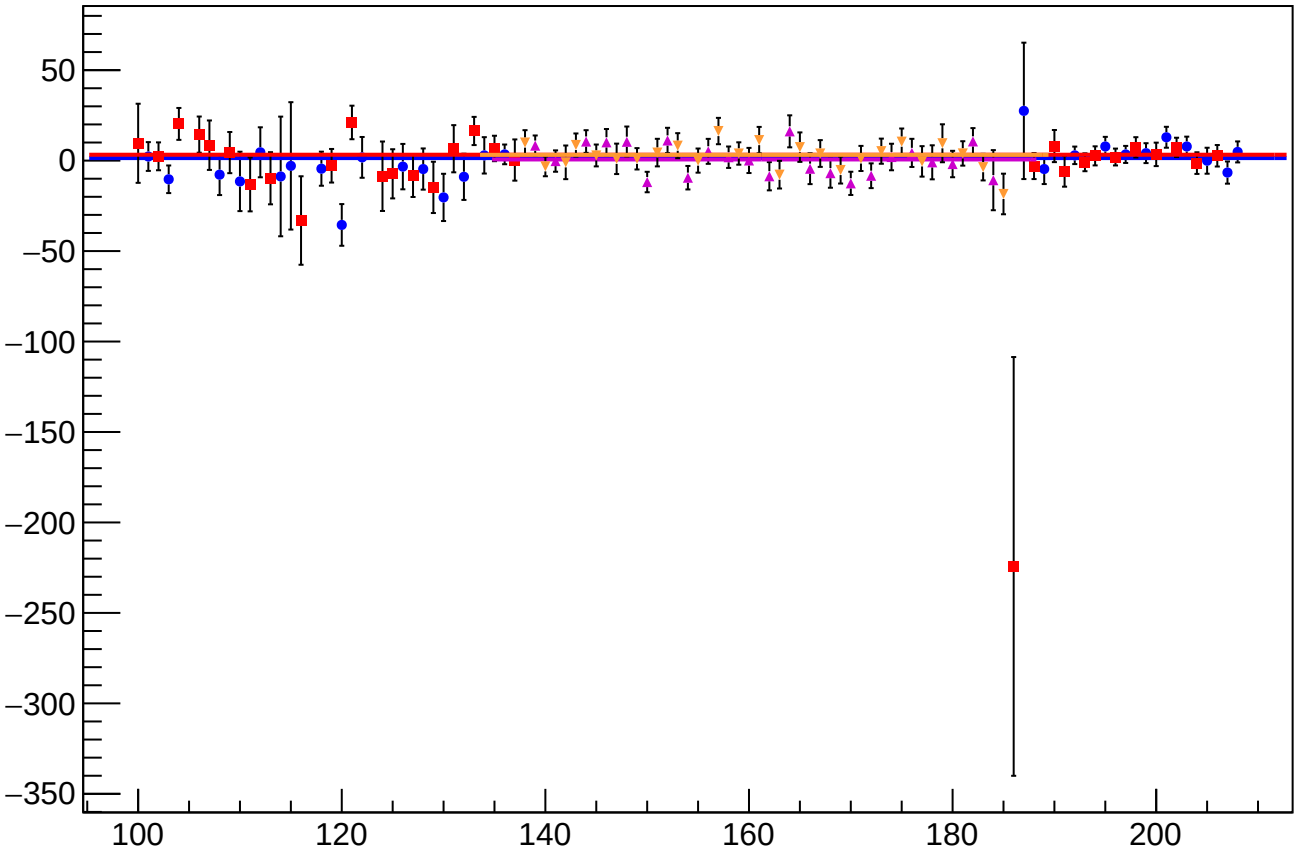
Right Out: 16109.381+/-2.998 χ^2/NDF: 3830227.2/30

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9685.529+/-1.239 χ^2/NDF: 8673622.3/51

All: 9806.319+/-0.892 χ^2/NDF: 18109023.6/1

- sign 9936.403+/-1.285 χ^2/NDF: 9415652.4/53



Right In: 1.391+/-1.477 χ^2/NDF: 28.9/26

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 3.257+/-1.450 χ^2/NDF: 29.0/30

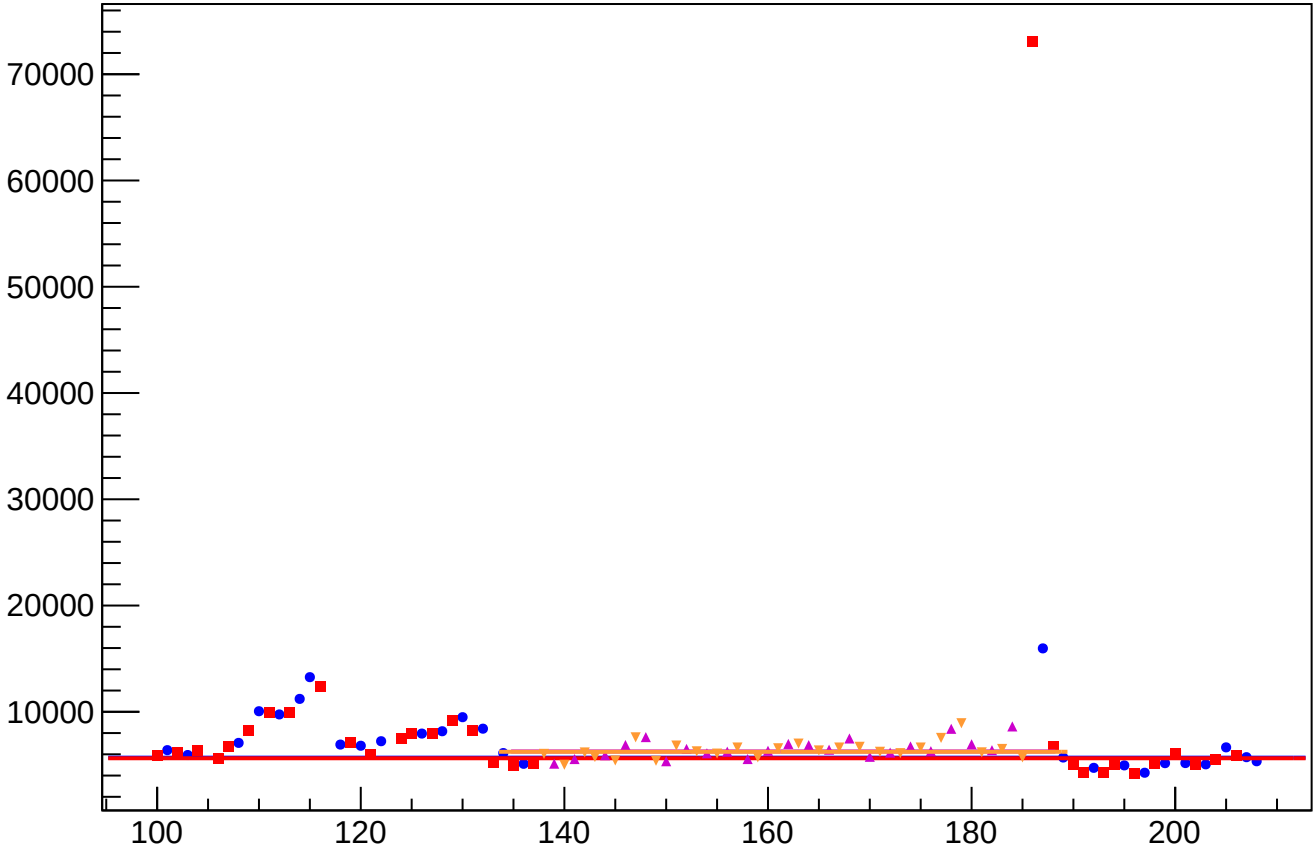
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 2.314+/-1.029 χ^2/NDF: 48.4/51

All: 2.145+/-0.730 χ^2/NDF: 110.8/105

- sign 1.974+/-1.036 χ^2/NDF: 62.4/53

diff_bpm4ecY_rms vs Slug



Right In: 5685.482+/-1.044 χ^2/NDF: 1600673.7/26

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5628.548+/-1.025 χ^2/NDF: 2279268.8/30

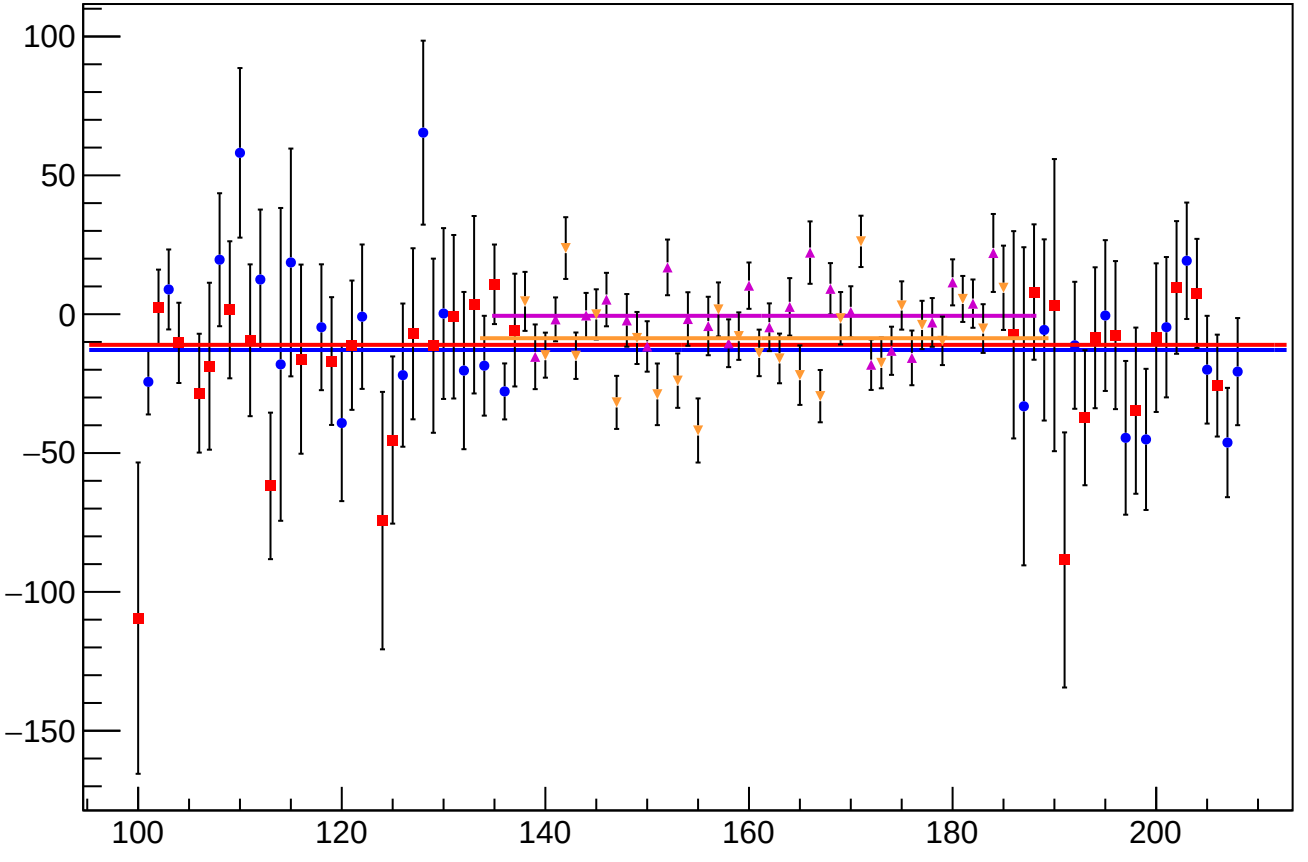
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 5969.674+/-0.728 χ^2/NDF: 2252378.3/51

All: 5955.680+/-0.516 χ^2/NDF: 5247142.8/10

- sign 5941.488+/-0.733 χ^2/NDF: 2994019.6/53

diff_bpm1X_mean vs Slug



Right In: -12.890+/-4.122 χ^2/NDF: 30.5/26

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: -11.035+/-4.318 χ^2/NDF: 22.4/30

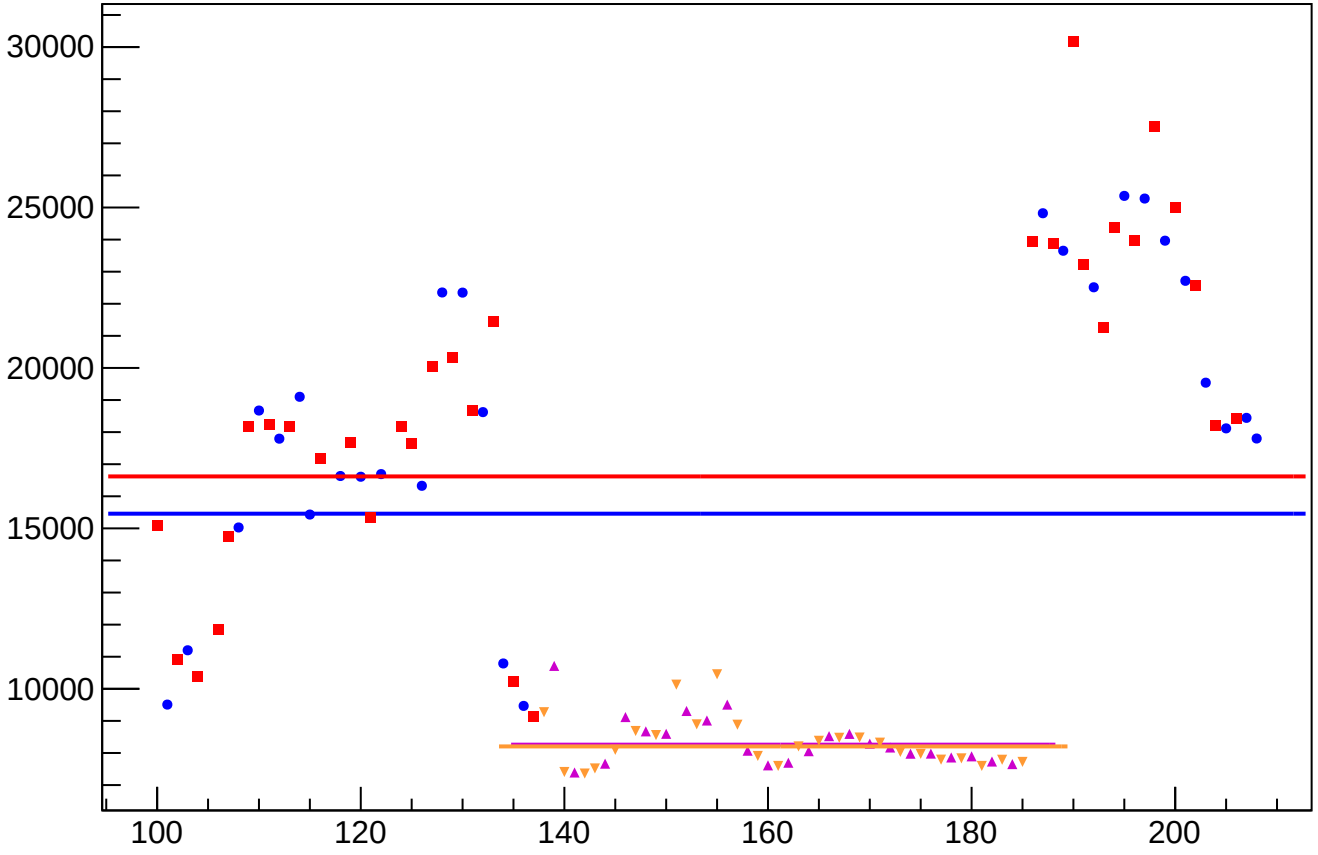
Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -9.377+/-1.707 χ^2/NDF: 94.4/51

All: -5.982+/-1.228 χ^2/NDF: 158.4/105

- sign -2.337+/-1.769 χ^2/NDF: 55.8/53

diff_bpm1X_rms vs Slug



Right In: 15457.796+/-2.915 χ^2/NDF: 3271210.6/26

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 16619.239+/-3.053 χ^2/NDF: 3109183.1/30

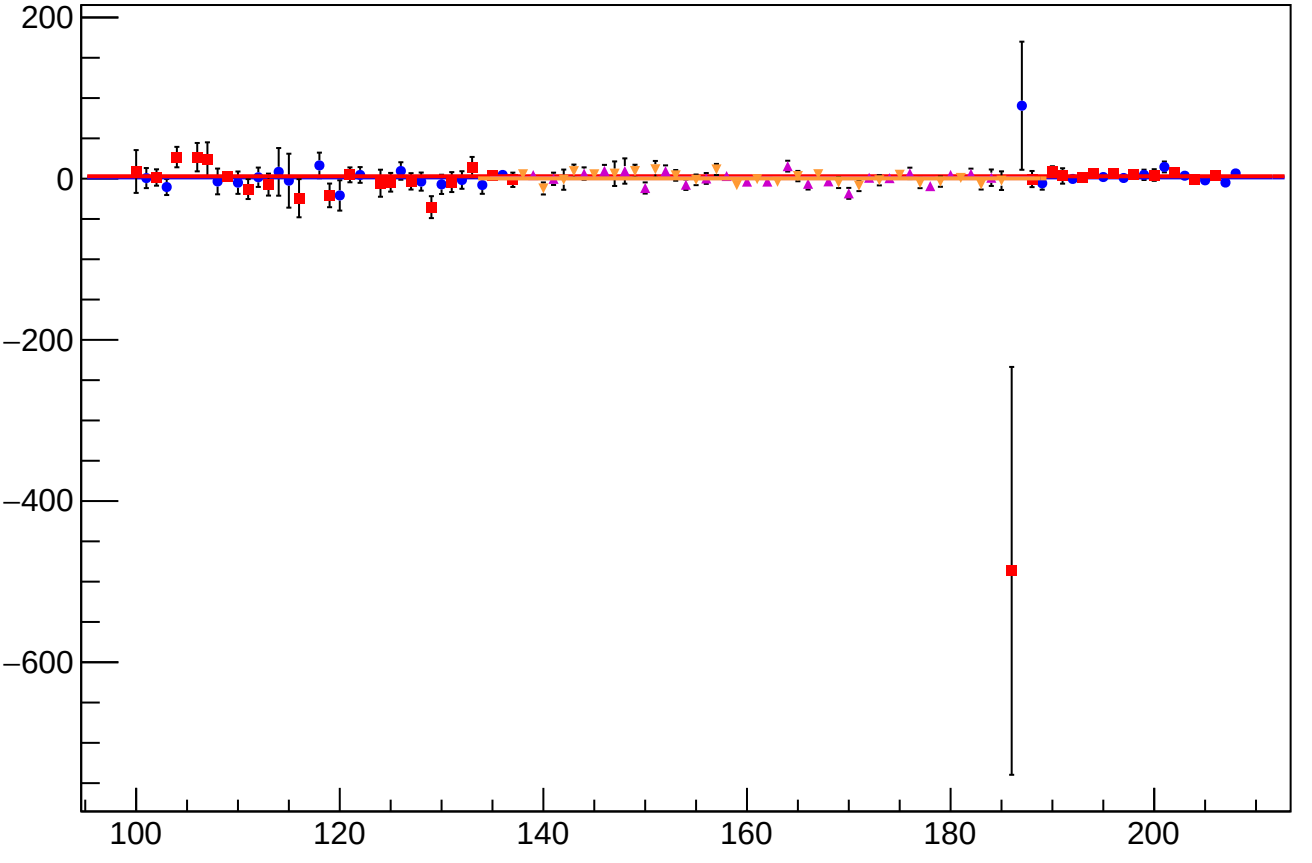
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 9448.118+/-1.207 χ^2/NDF: 8675301.7/51

All: 9551.103+/-0.868 χ^2/NDF: 18295409.2/1

- sign 9661.698+/-1.251 χ^2/NDF: 9605006.4/53

diff_bpm1Y_mean vs Slug



Right In: 1.572+/-1.481 χ^2/NDF: 16.2/26

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 2.995+/-1.442 χ^2/NDF: 29.8/30

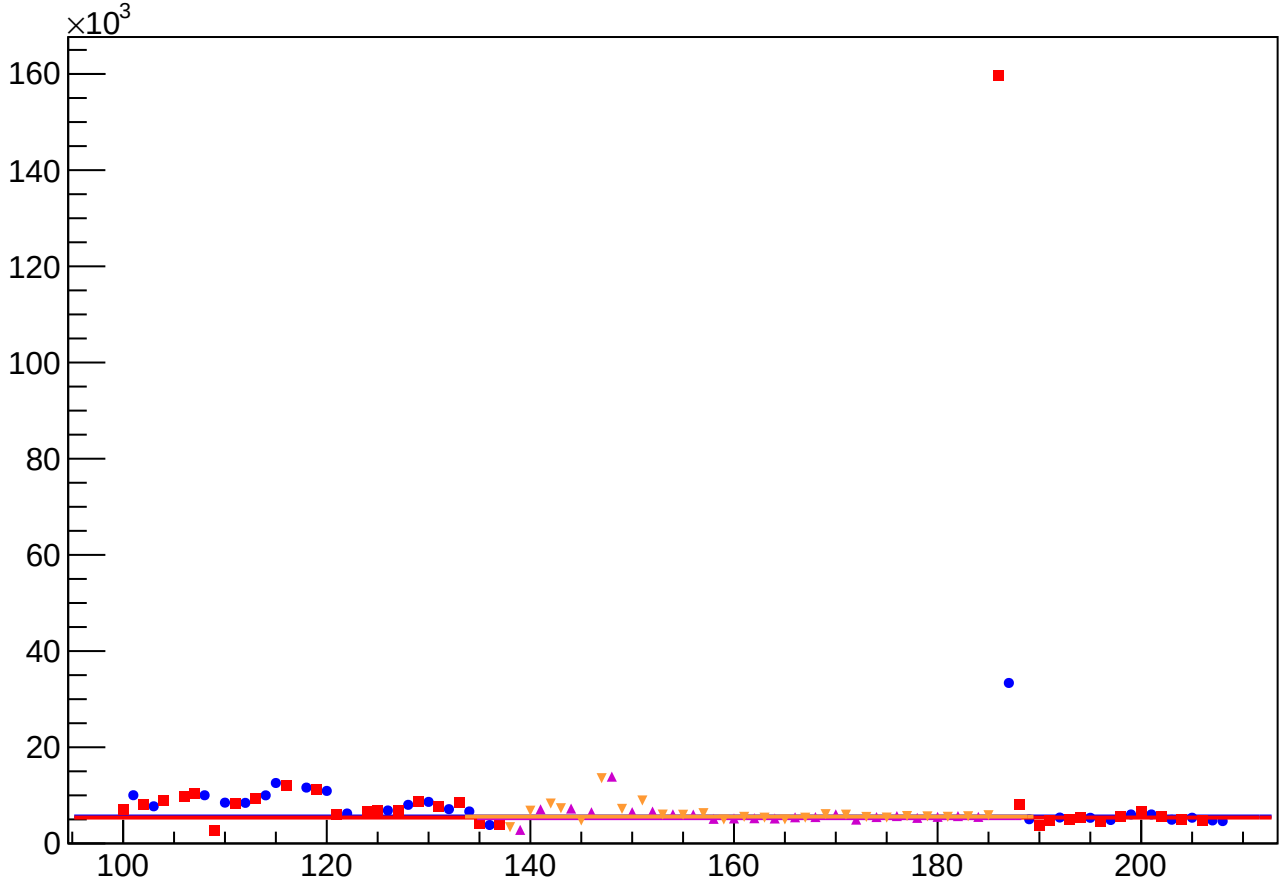
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.893+/-0.986 χ^2/NDF: 38.1/51

All: 1.320+/-0.689 χ^2/NDF: 99.6/105

- sign 1.726+/-0.962 χ^2/NDF: 61.1/53

diff_bpm1Y_rms vs Slug



Right In: 5604.647+/-1.047 χ^2/NDF: 2434973.2/26

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5385.062+/-1.020 χ^2/NDF: 3782814.6/30

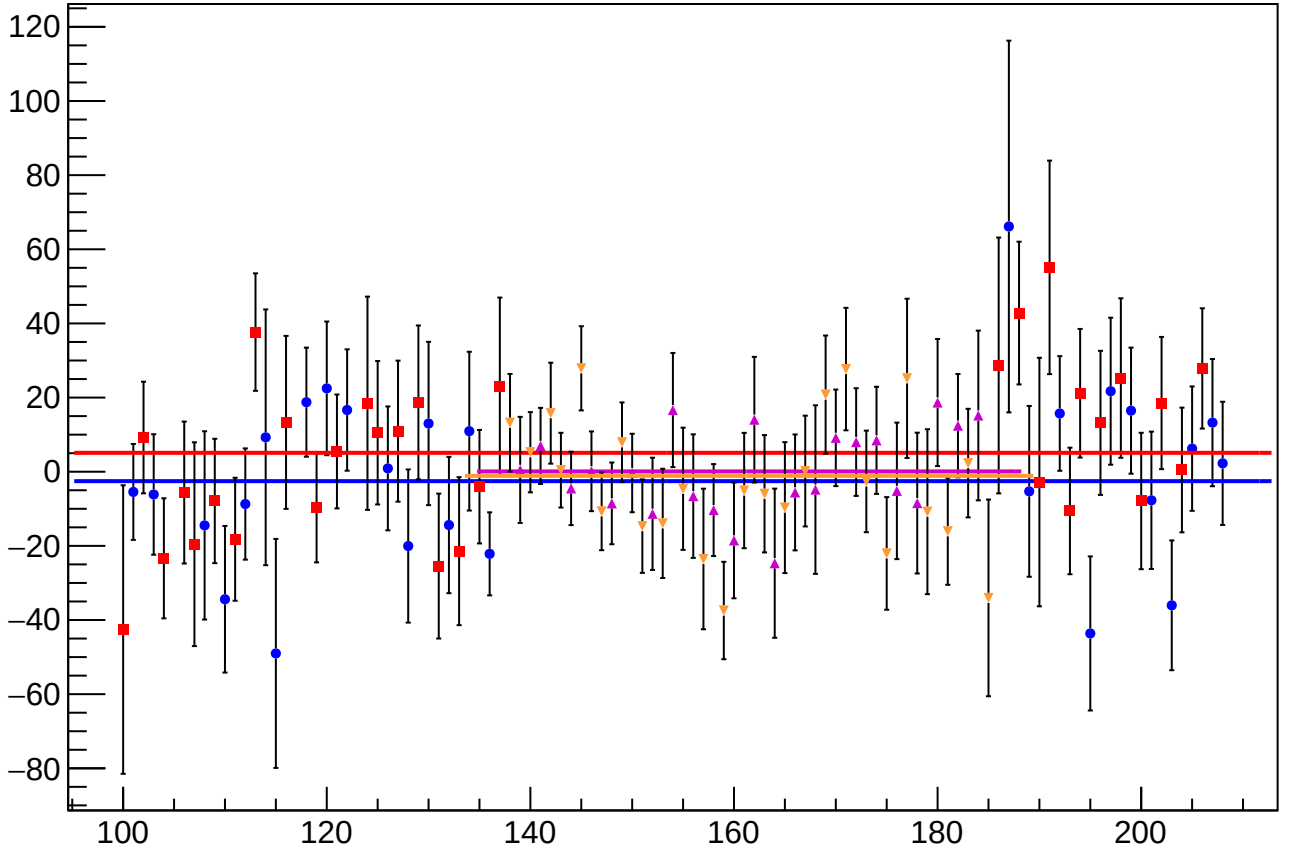
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5598.999+/-0.697 χ^2/NDF: 4219284.6/51

All: 5454.593+/-0.487 χ^2/NDF: 10519384.5/1

- sign 5317.159+/-0.680 χ^2/NDF: 6216401.3/53

diff_bpm11X_mean vs Slug



Right In: -2.541+/-3.445 χ^2/NDF: 30.9/26

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: 5.103+/-3.418 χ^2/NDF: 32.9/30

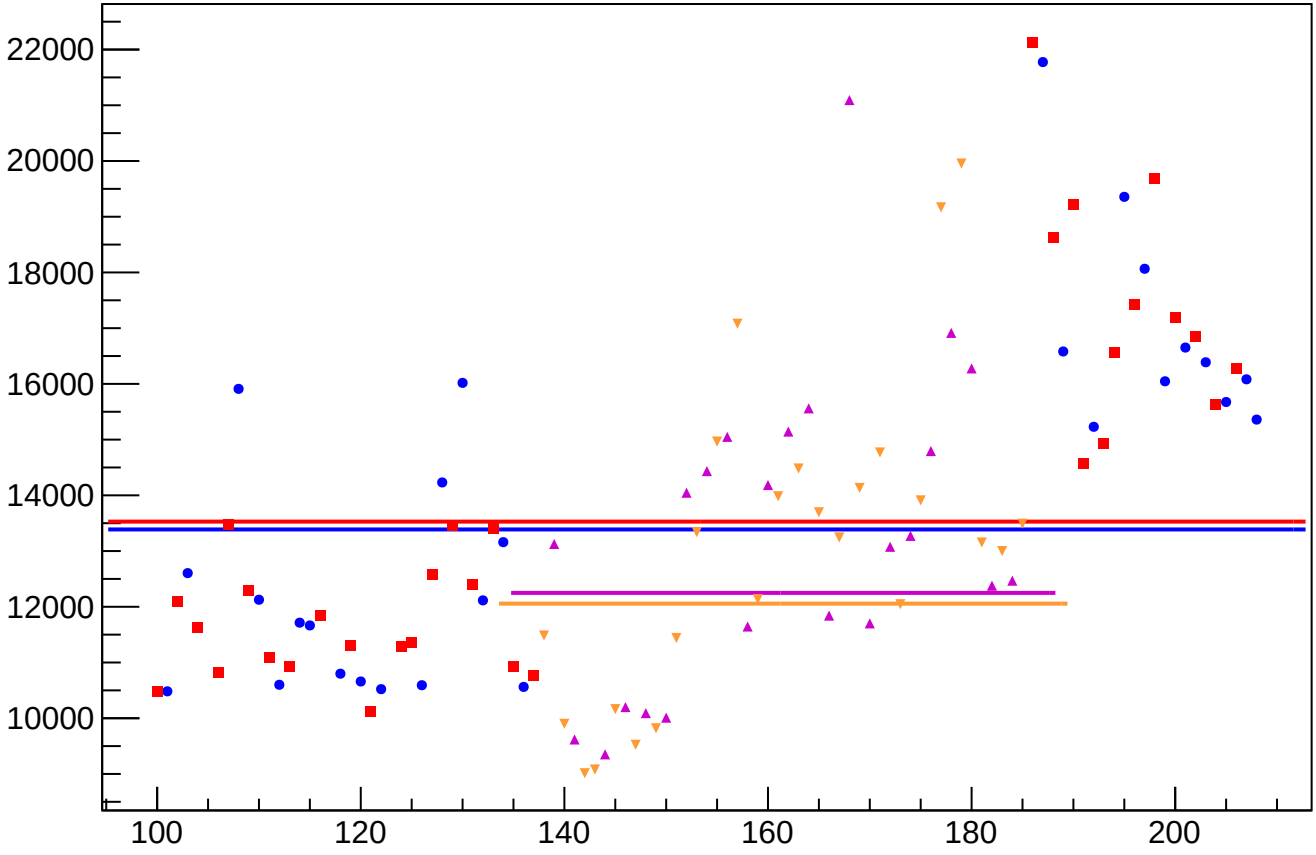
Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

\+ sign -1.683+/-2.179 χ^2/NDF: 64.8/51

All: 0.223+/-1.556 χ^2/NDF: 111.9/105

\- sign 2.207+/-2.223 χ^2/NDF: 45.6/53

diff_bpm11X_rms vs Slug



Right In: 13387.827+/-2.436 χ^2/NDF: 1290955.0/26

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 13528.446+/-2.417 χ^2/NDF: 1376575.1/30

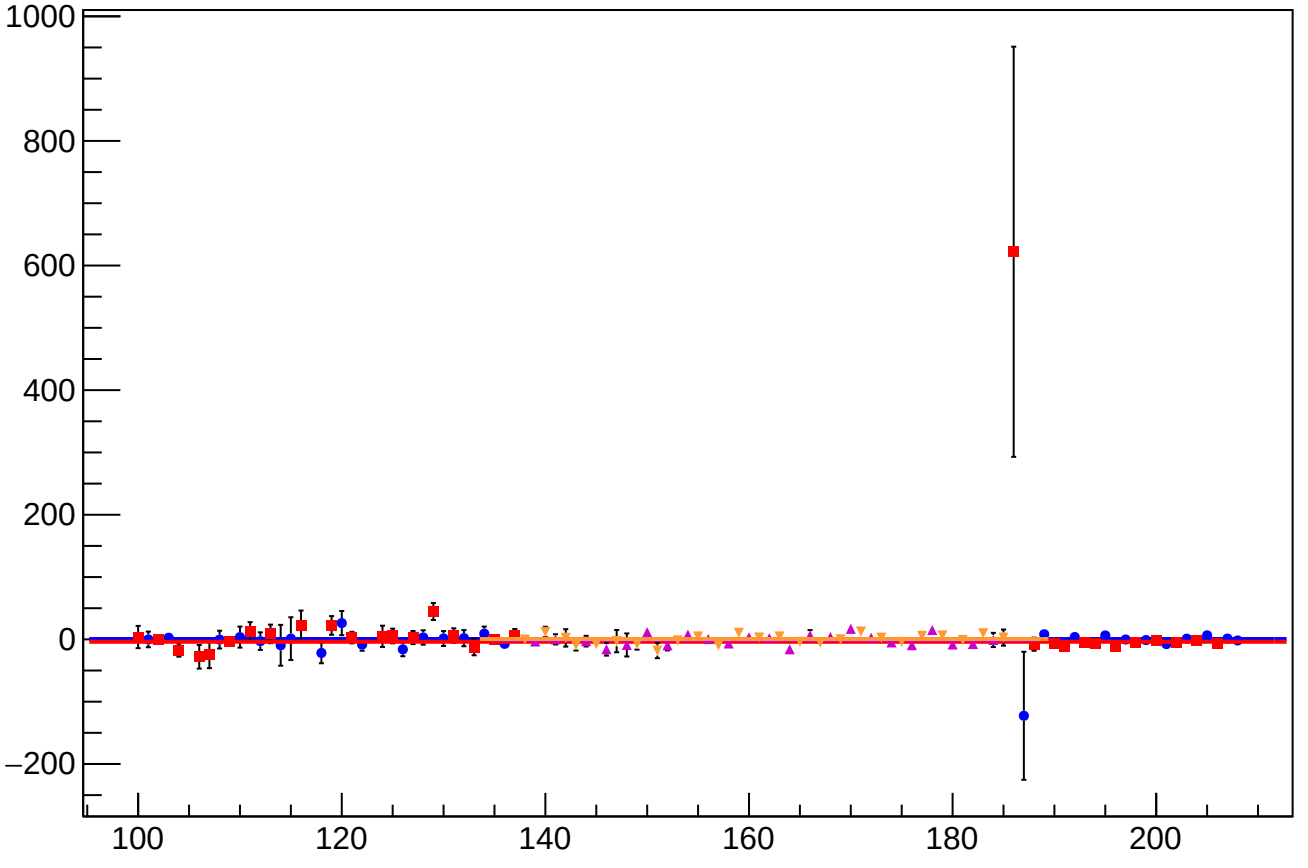
Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

+ sign 12589.229+/-1.541 χ^2/NDF: 3031842.9/51

All: 12687.668+/-1.100 χ^2/NDF: 5994435.5/1

- sign 12790.136+/-1.572 χ^2/NDF: 2954261.3/53

diff_bpm11Y_mean vs Slug



Right In: 0.547+/-1.278 χ^2/NDF: 20.1/26

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -3.855+/-1.282 χ^2/NDF: 37.1/30

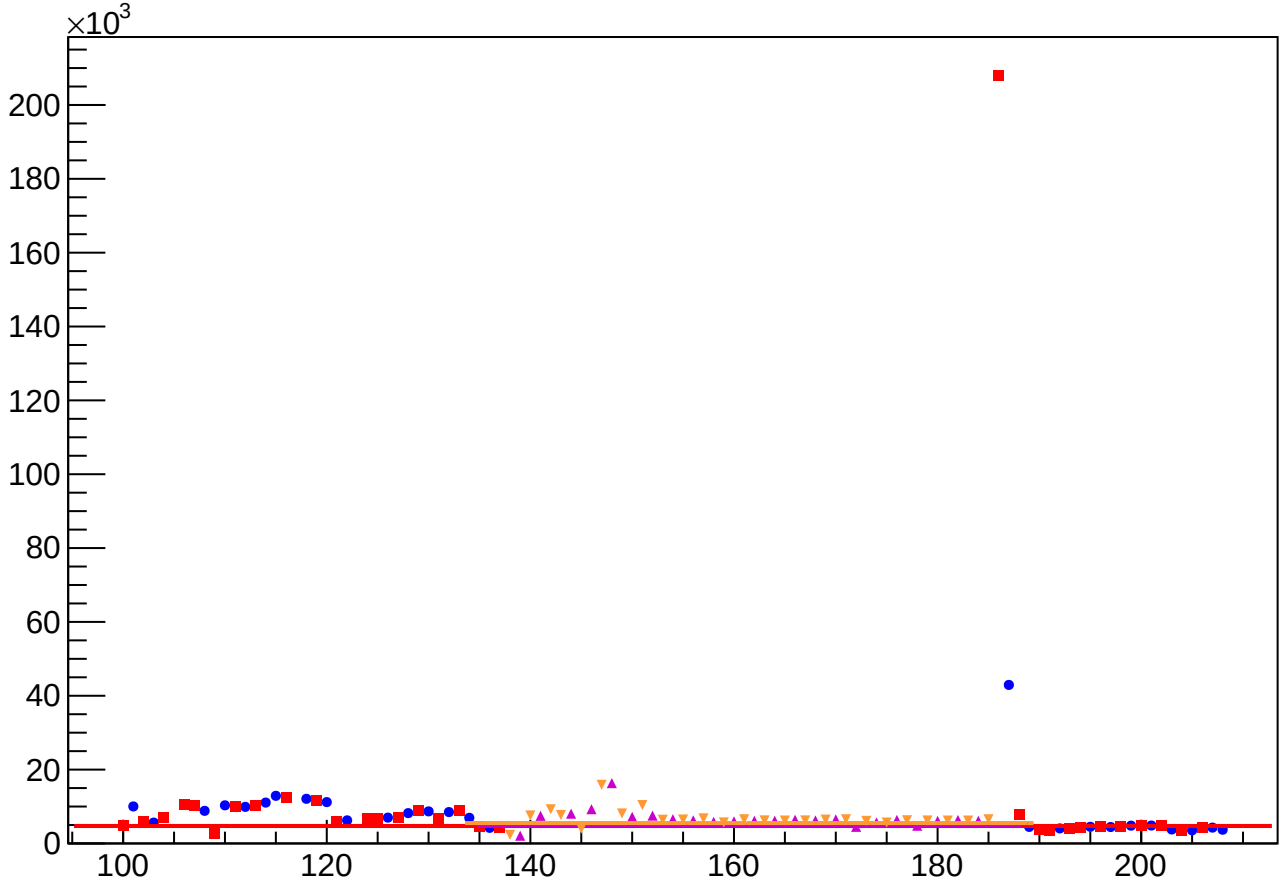
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.537+/-0.934 χ^2/NDF: 41.5/51

All: -0.976+/-0.652 χ^2/NDF: 118.5/105

- sign -2.415+/-0.911 χ^2/NDF: 71.9/53

diff_bpm11Y_rms vs Slug



Right In: 4738.757+/-0.903 χ^2/NDF: 3423468.2/26

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

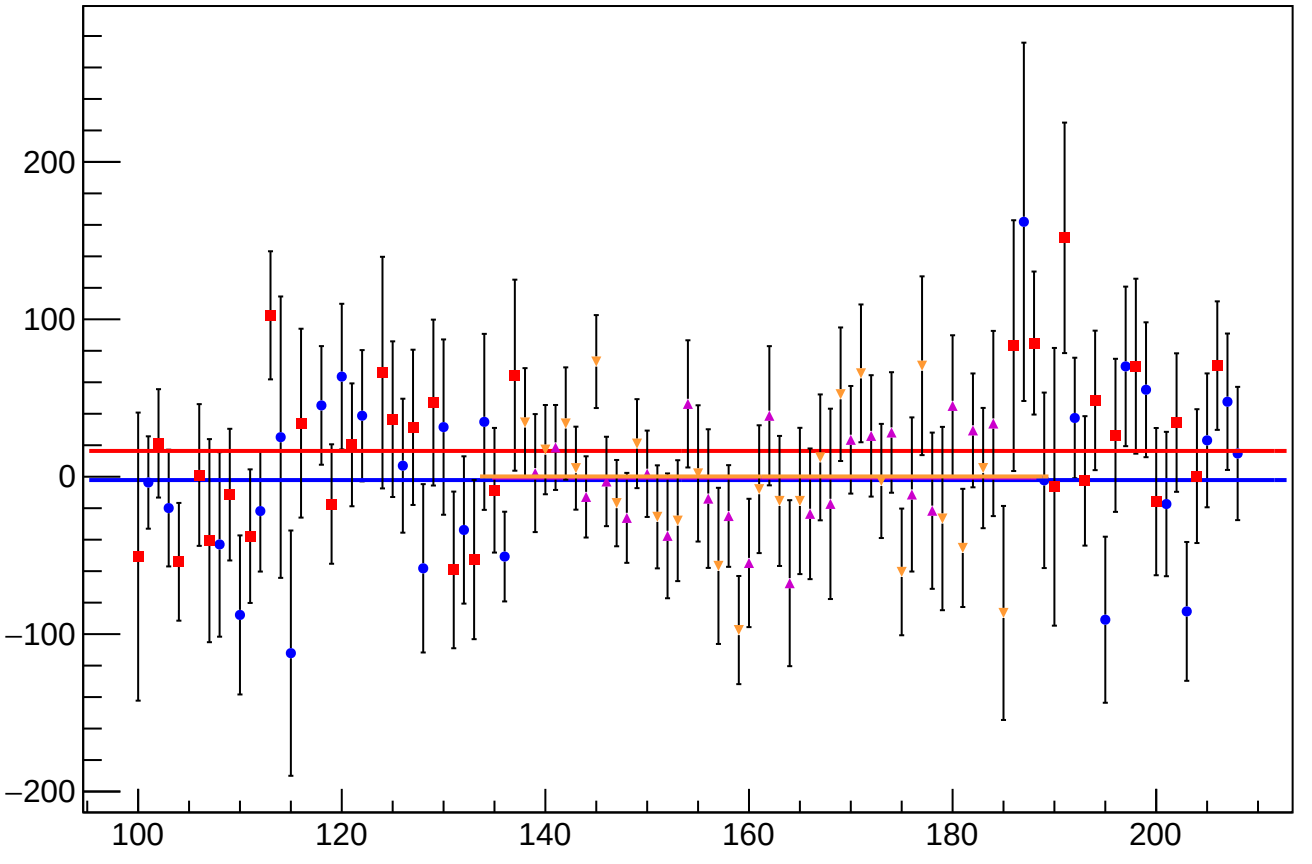
Right Out: 4721.888+/-0.906 χ^2/NDF: 3968846.2/30

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5106.261+/-0.660 χ^2/NDF: 8154499.6/51

All: 4965.082+/-0.461 χ^2/NDF: 18177796.8/1

- sign 4830.859+/-0.644 χ^2/NDF: 9934157.8/53



Right In: -2.128+/-8.599 χ^2/NDF: 31.1/26

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: 16.378+/-8.522 χ^2/NDF: 29.4/30

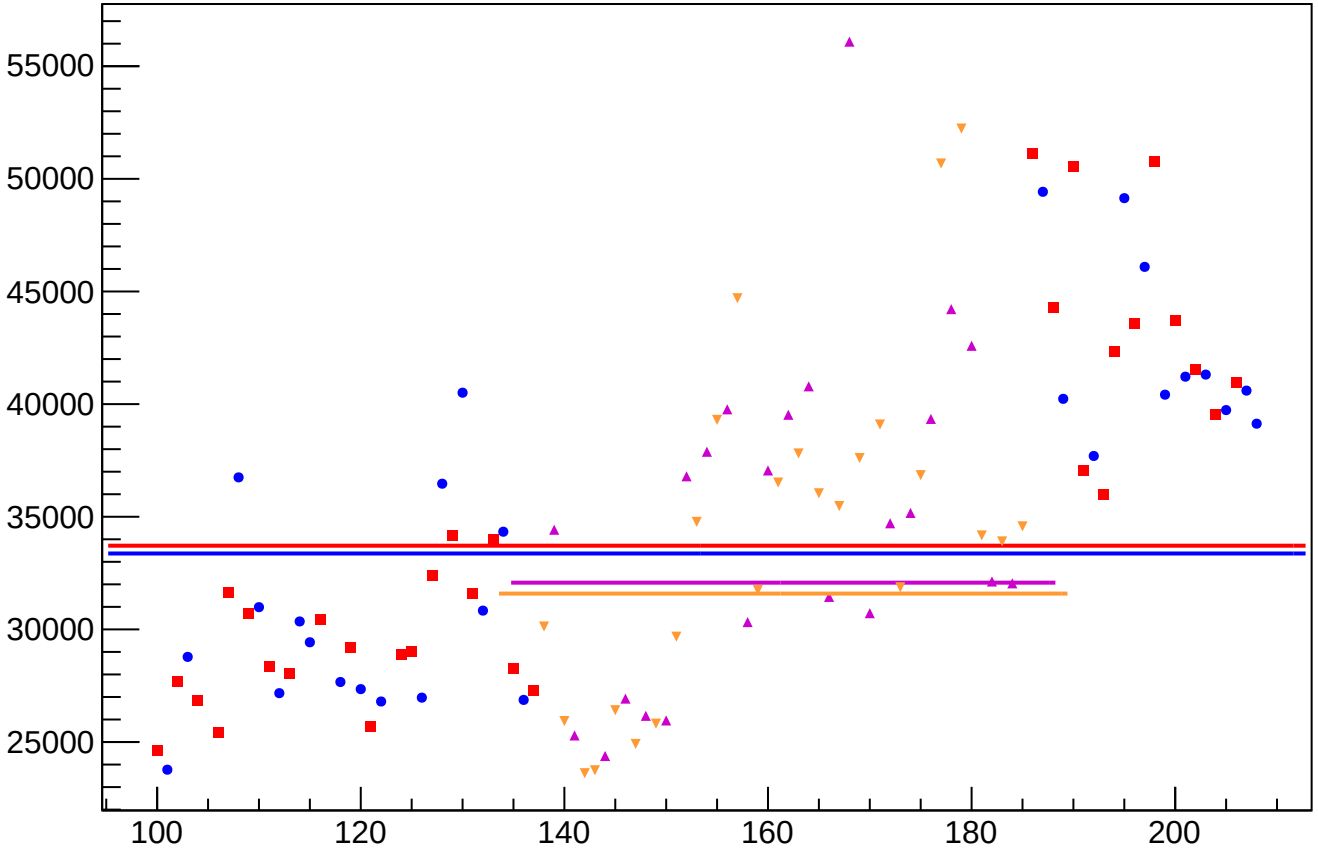
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -0.805+/-5.598 χ^2/NDF: 62.3/51

All: 3.029+/-3.994 χ^2/NDF: 107.7/105

- sign 7.003+/-5.700 χ^2/NDF: 44.4/53

diff_bpm12X_rms vs Slug



Right In: 33369.688+/-6.080 χ^2/NDF: 1355393.8/26

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 33715.572+/-6.026 χ^2/NDF: 1397161.5/30

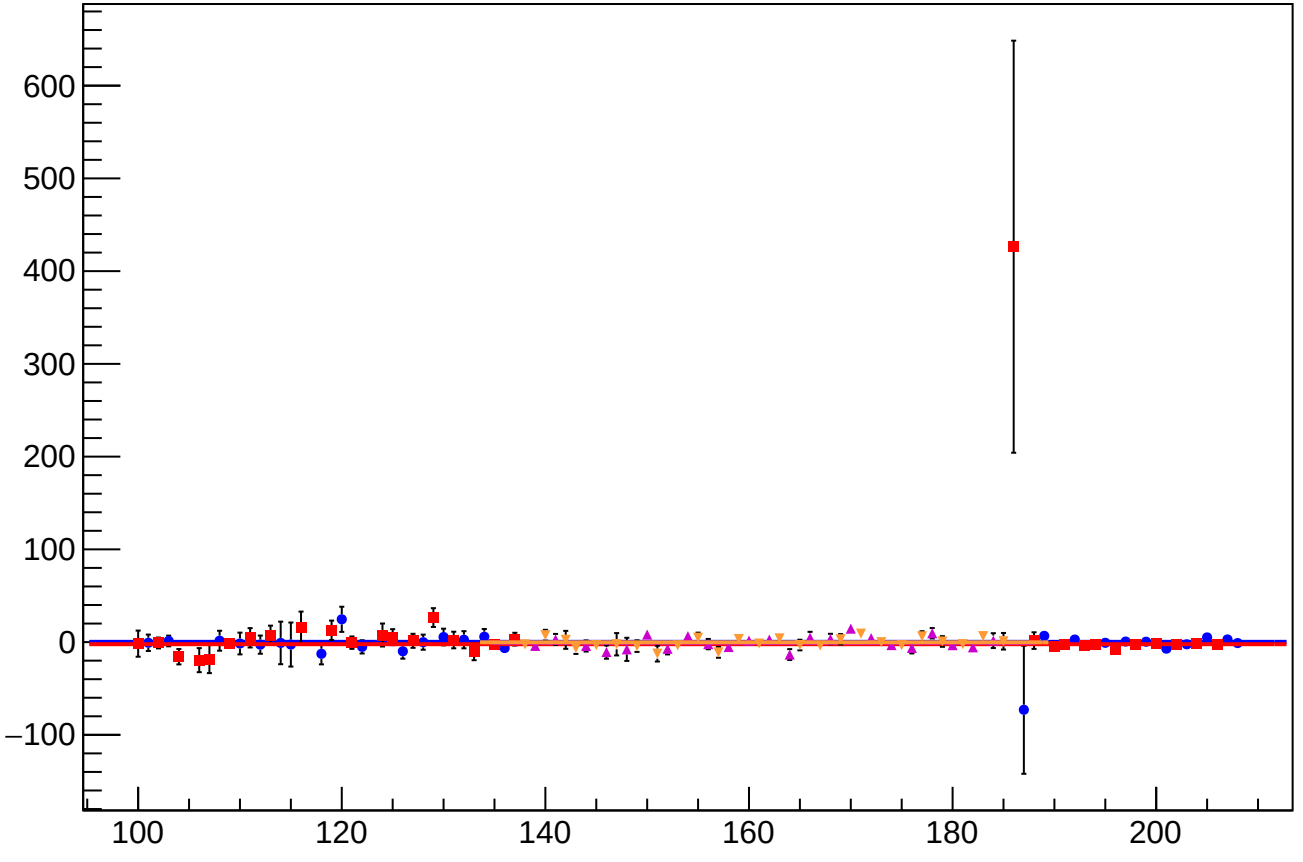
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 32344.150+/-3.958 χ^2/NDF: 2995631.5/51

All: 32572.375+/-2.824 χ^2/NDF: 5896240.3/1

- sign 32808.959+/-4.030 χ^2/NDF: 2893838.6/53

diff_bpm12Y_mean vs Slug



Right In: 0.281+/-0.776 χ^2/NDF: 28.5/26

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: -2.253+/-0.840 χ^2/NDF: 29.1/30

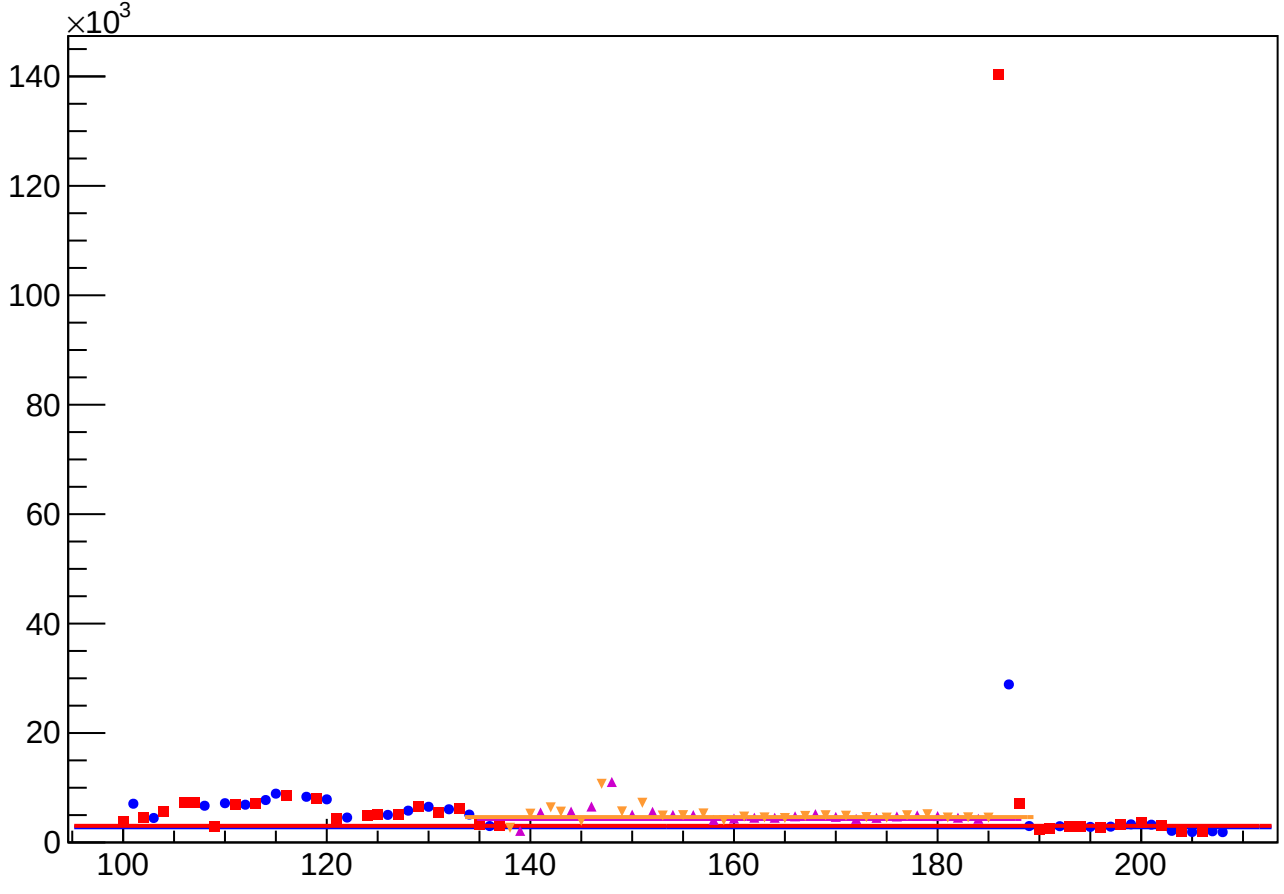
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign 0.112+/-0.633 χ^2/NDF: 48.5/51

All: -0.753+/-0.456 χ^2/NDF: 116.5/105

- sign -1.689+/-0.659 χ^2/NDF: 64.0/53

diff_bpm12Y_rms vs Slug



Right In: 2775.046+/-0.549 χ^2/NDF: 5366299.0/26

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3038.130+/-0.594 χ^2/NDF: 5355182.3/30

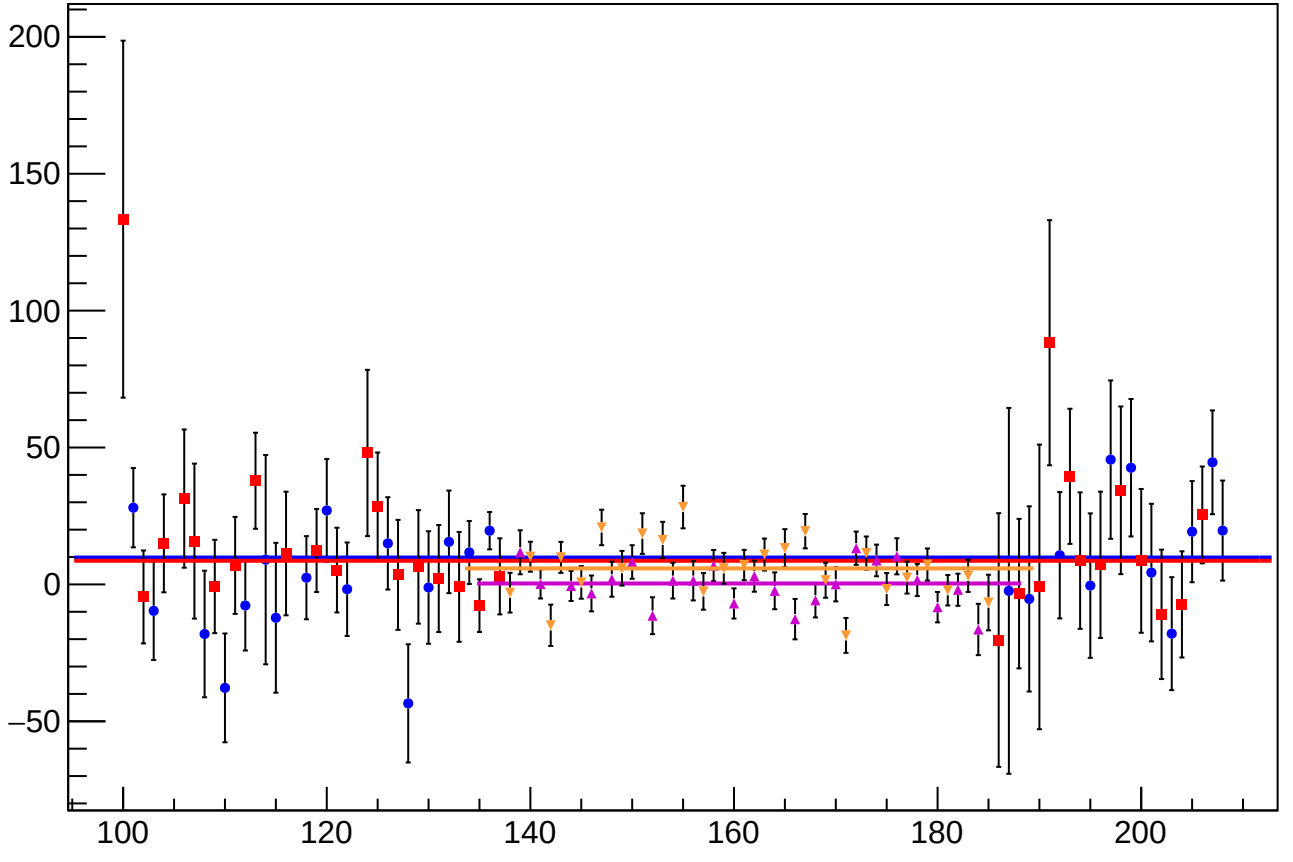
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 3398.296+/-0.447 χ^2/NDF: 10986163.4/51

All: 3457.999+/-0.323 χ^2/NDF: 21200189.8/1

- sign 3522.643+/-0.466 χ^2/NDF: 10176951.6/53

diff_bpm16X_mean vs Slug



Right In: 9.822+/-3.364 χ^2/NDF: 31.3/26

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 8.638+/-3.604 χ^2/NDF: 23.0/30

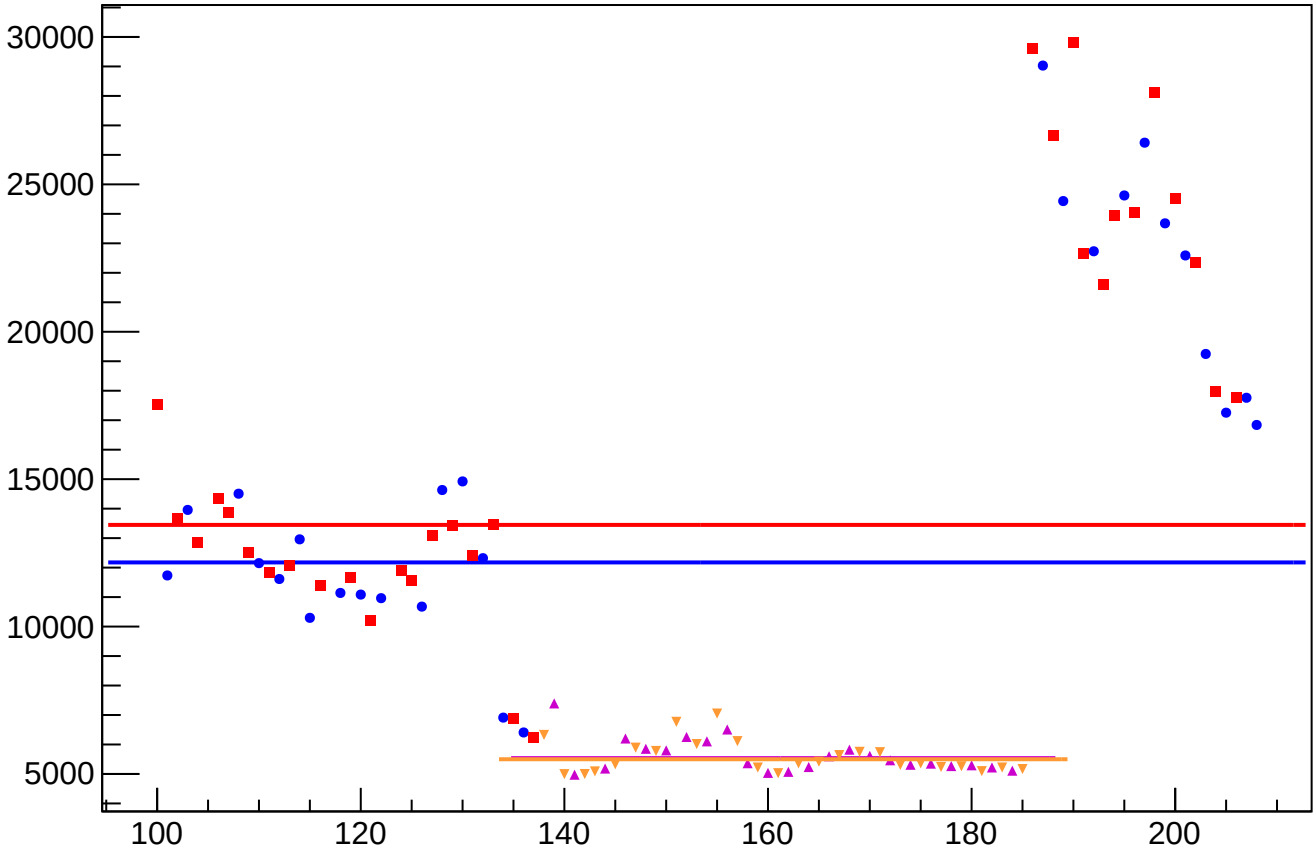
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.336+/-1.178 χ^2/NDF: 92.6/51

All: 3.911+/-0.849 χ^2/NDF: 158.4/105

- sign 1.294+/-1.224 χ^2/NDF: 57.0/53

diff_bpm16X_rms vs Slug



Right In: 12175.753+/-2.379 χ^2/NDF: 5199278.5/26

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

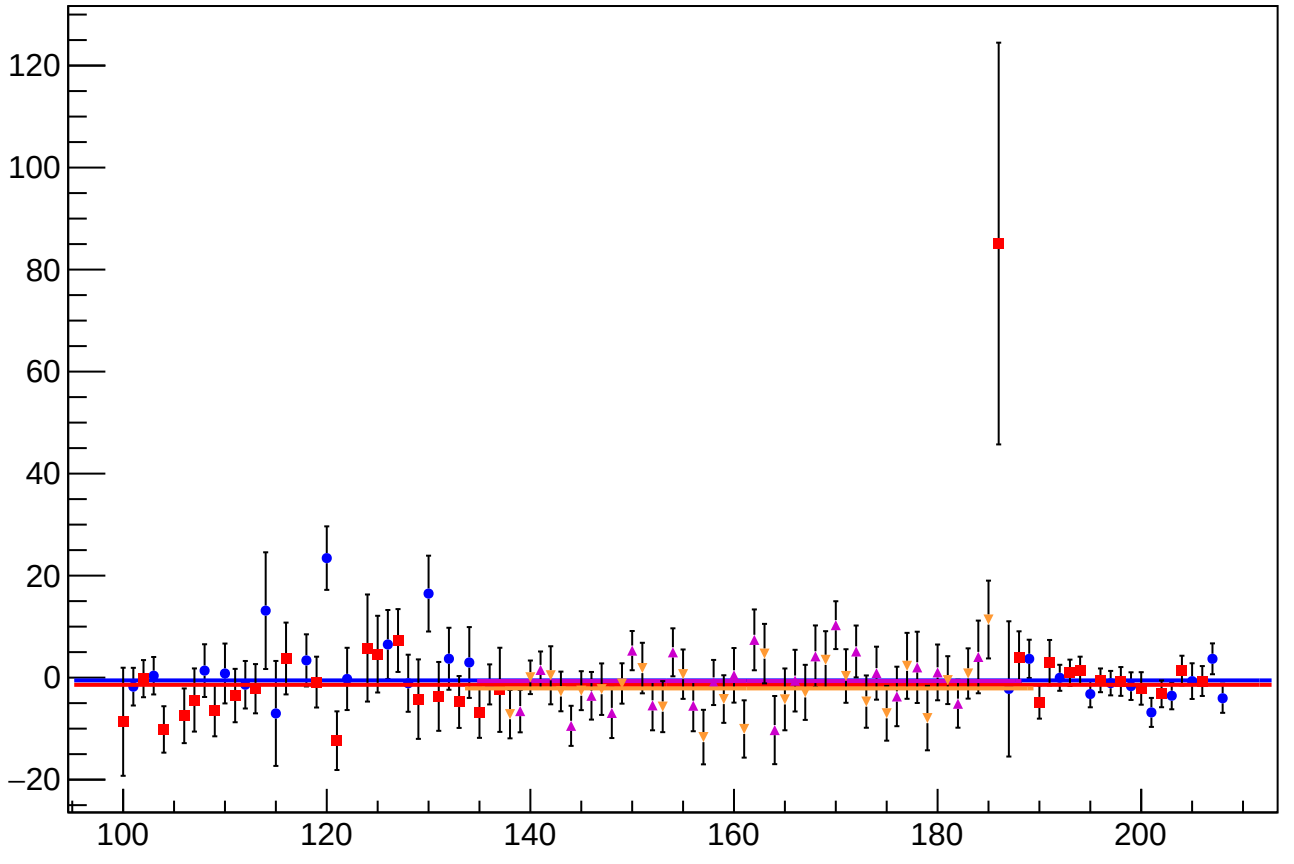
Right Out: 13448.677+/-2.548 χ^2/NDF: 4883284.0/30

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6317.737+/-0.833 χ^2/NDF: 12409924.9/51

All: 6381.213+/-0.600 χ^2/NDF: 26136618.2/1

- sign 6449.712+/-0.865 χ^2/NDF: 13714615.6/53



Right In: -0.544+/-0.741 χ^2/NDF: 37.0/26

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -1.409+/-0.735 χ^2/NDF: 27.8/30

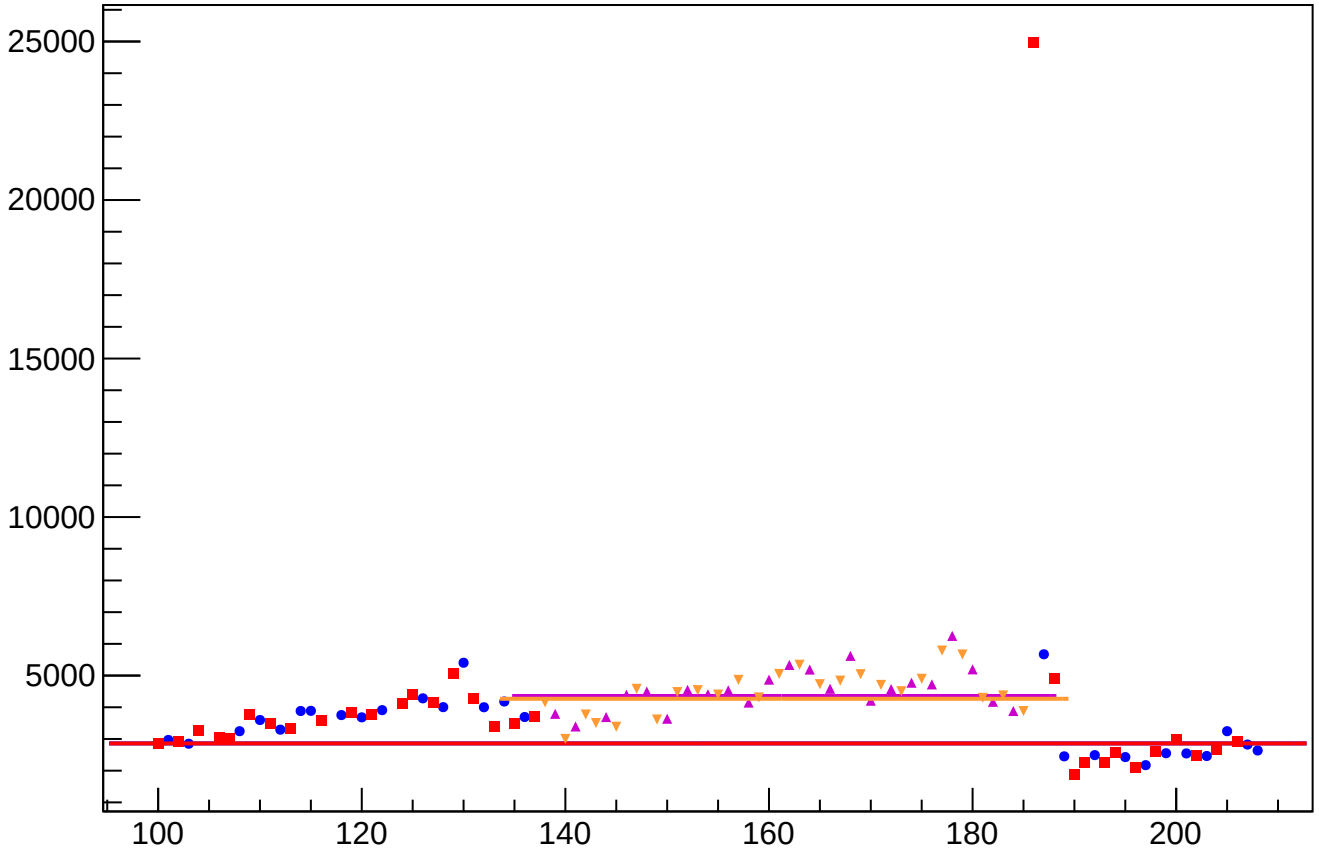
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -1.111+/-0.593 χ^2/NDF: 56.1/51

All: -1.135+/-0.421 χ^2/NDF: 112.5/105

- sign -1.160+/-0.599 χ^2/NDF: 56.5/53

diff_bpm16Y_rms vs Slug



Right In: 2859.989+/-0.524 χ^2/NDF: 1398483.6/26

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2859.080+/-0.520 χ^2/NDF: 2415925.5/30

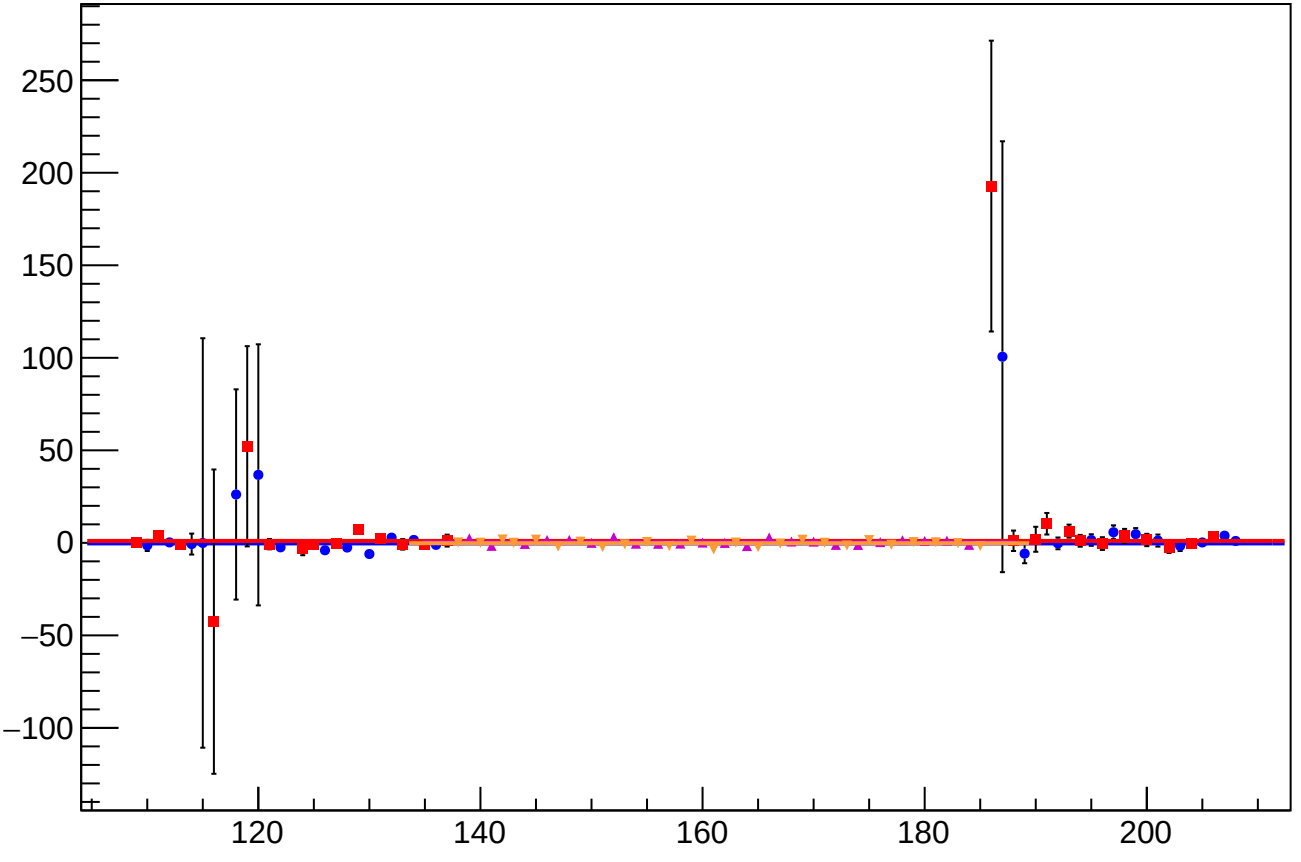
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3367.441+/-0.419 χ^2/NDF: 5033195.5/51

All: 3365.549+/-0.298 χ^2/NDF: 10987286.9/1

- sign 3363.620+/-0.423 χ^2/NDF: 5954050.2/53

diff_bpm1p02bX_mean vs Slug



Right In: -0.315+/-0.563 χ^2/NDF: 26.1/23

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 1.046+/-0.580 χ^2/NDF: 27.6/25

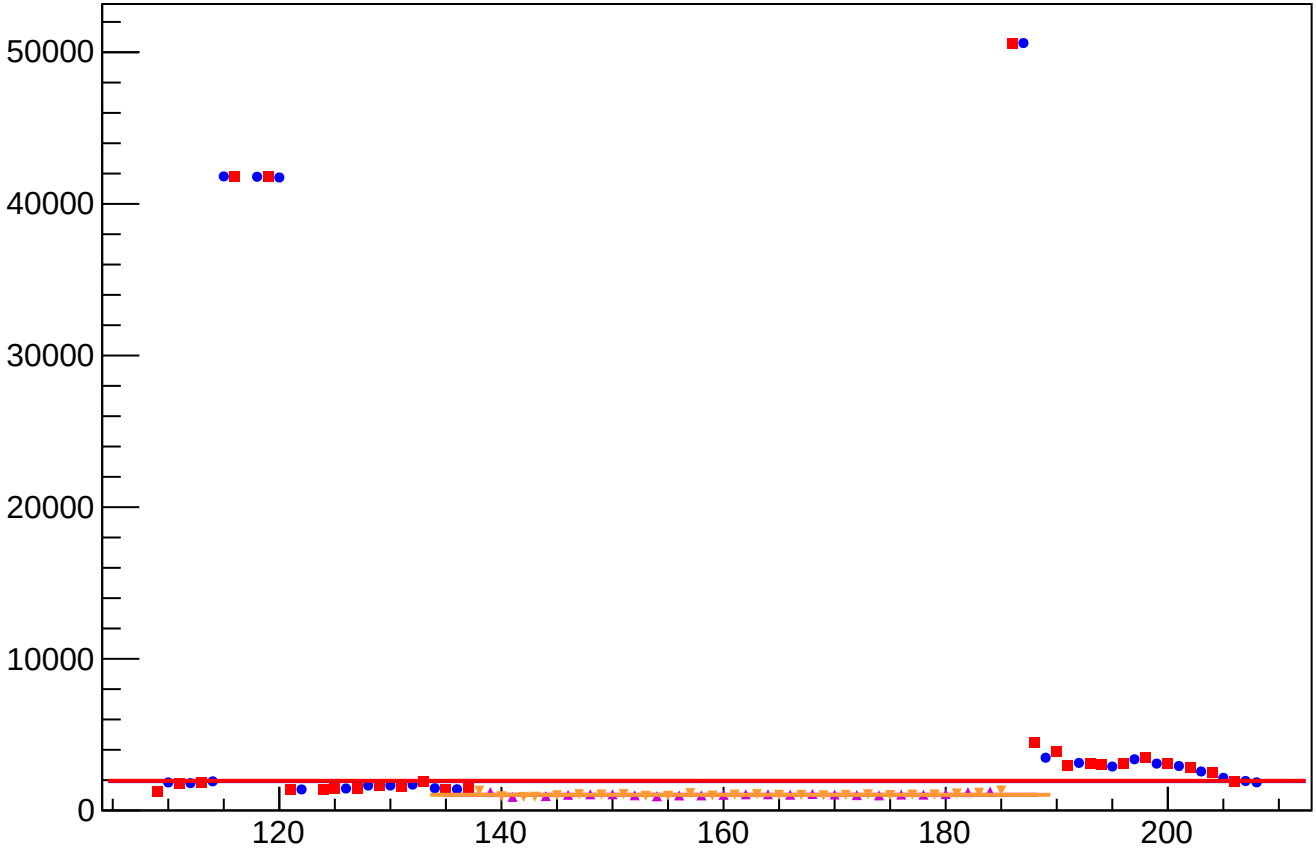
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.218+/-0.217 χ^2/NDF: 60.1/48

All: 0.101+/-0.156 χ^2/NDF: 122.9/97

- sign 0.439+/-0.223 χ^2/NDF: 58.3/48

diff_bpm1p02bX_rms vs Slug



Right In: 1934.251+/-0.398 χ^2/NDF: 4389987.2/23

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1953.640+/-0.410 χ^2/NDF: 5347150.1/25

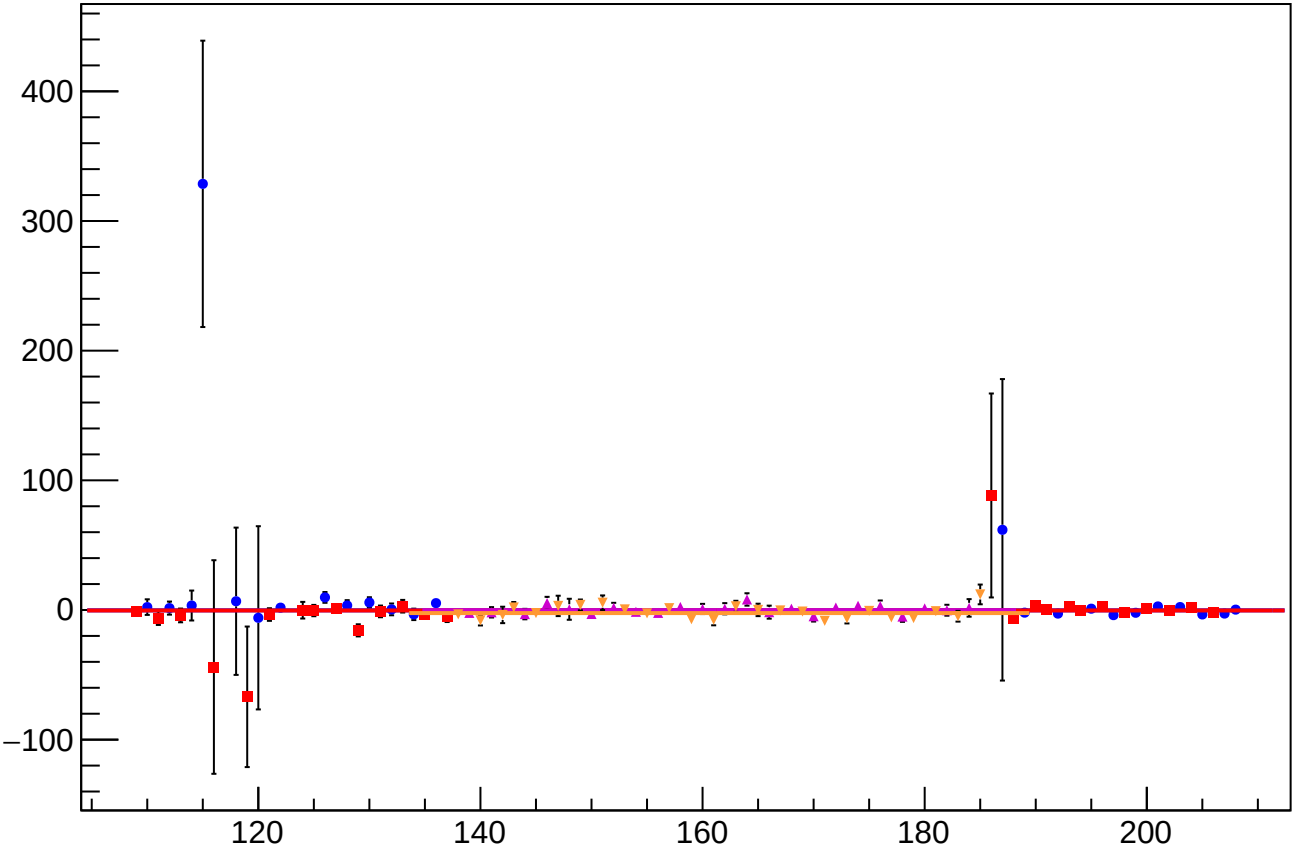
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1166.042+/-0.154 χ^2/NDF: 9015054.6/48

All: 1167.651+/-0.110 χ^2/NDF: 18841194.5/9

- sign 1169.353+/-0.158 χ^2/NDF: 9825914.3/48

diff_bpm1p02bY_mean vs Slug



Right In: -0.266+/-0.517 χ^2/NDF: 44.1/23

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -0.363+/-0.564 χ^2/NDF: 31.3/25

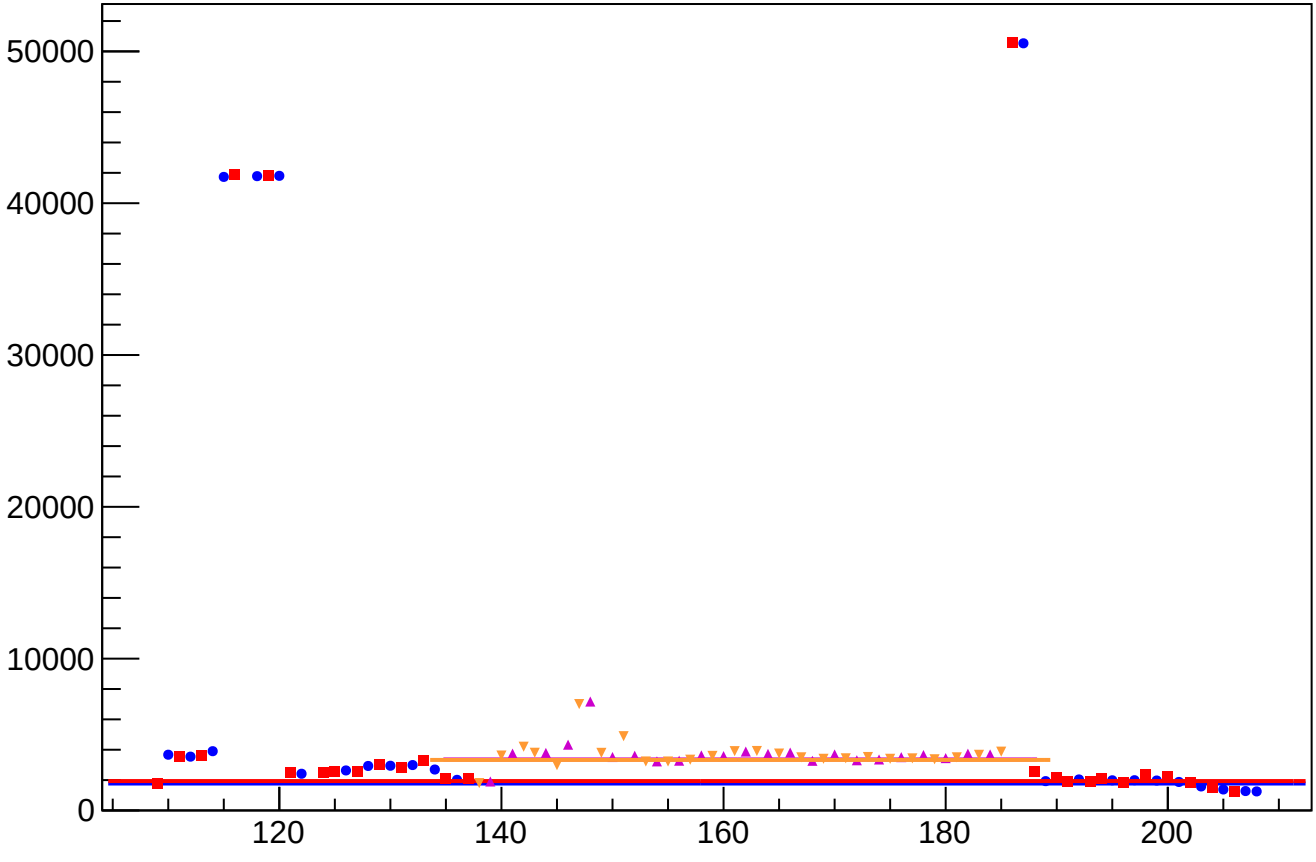
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.909+/-0.431 χ^2/NDF: 73.5/48

All: -0.626+/-0.316 χ^2/NDF: 118.4/97

- sign -0.300+/-0.463 χ^2/NDF: 43.9/48

diff_bpm1p02bY_rms vs Slug



Right In: 1774.608+/-0.366 χ^2/NDF: 4312187.8/23

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 1936.238+/-0.399 χ^2/NDF: 4080337.5/25

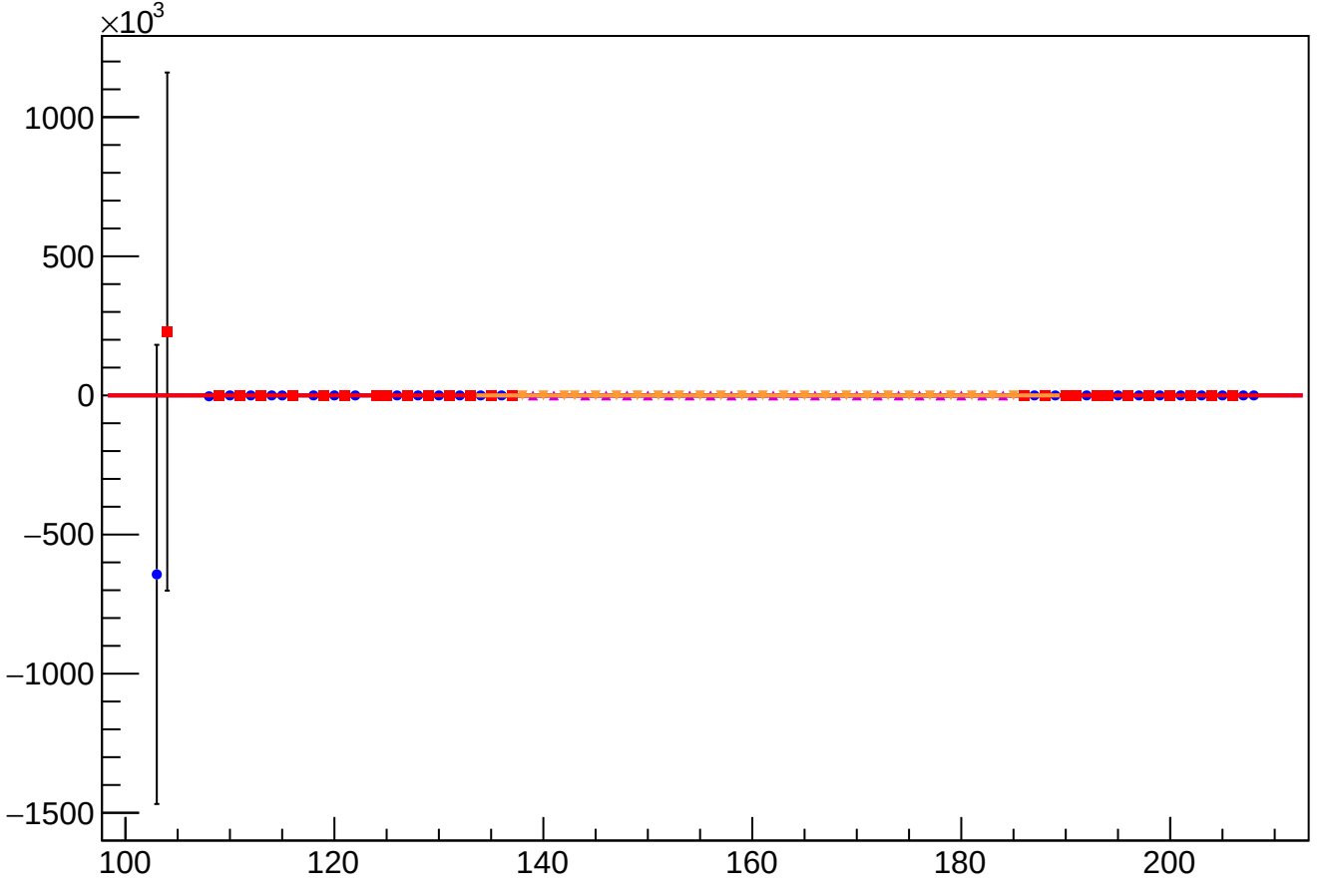
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2247.170+/-0.305 χ^2/NDF: 11719666.1/48

All: 2319.033+/-0.223 χ^2/NDF: 21737422.5/9

- sign 2401.771+/-0.327 χ^2/NDF: 9898324.7/48

diff_bpm1p03aX_mean vs Slug



Right In: -1.417+/-0.598 χ^2/NDF: 29.2/25

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -1.649+/-0.617 χ^2/NDF: 24.5/26

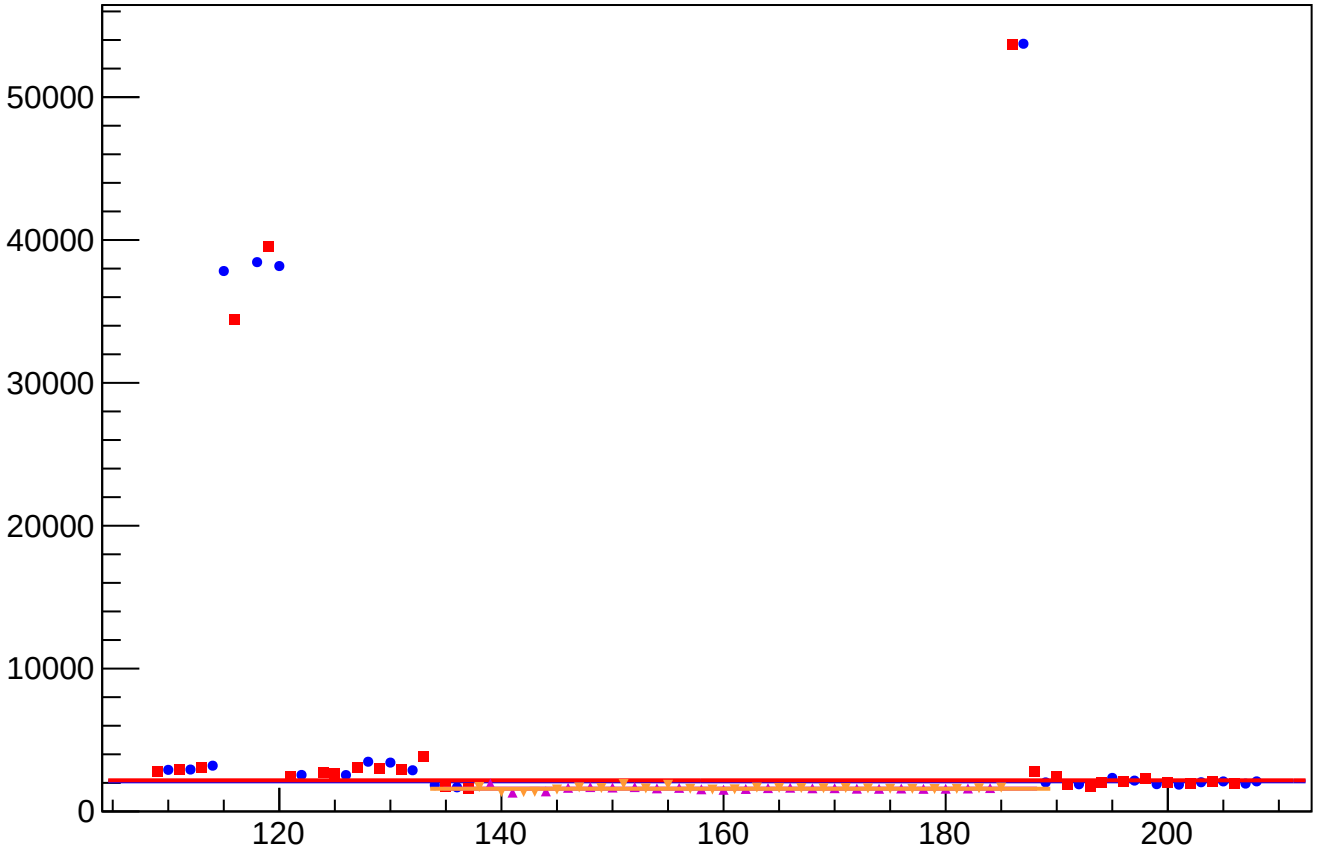
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.531+/-0.310 χ^2/NDF: 79.5/50

All: -0.998+/-0.223 χ^2/NDF: 142.7/100

- sign -0.431+/-0.320 χ^2/NDF: 57.1/49

diff_bpm1p03aX_rms vs Slug



Right In: 2108.706+/-0.423 χ^2/NDF: 2981161.5/23

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2179.670+/-0.437 χ^2/NDF: 3246315.2/25

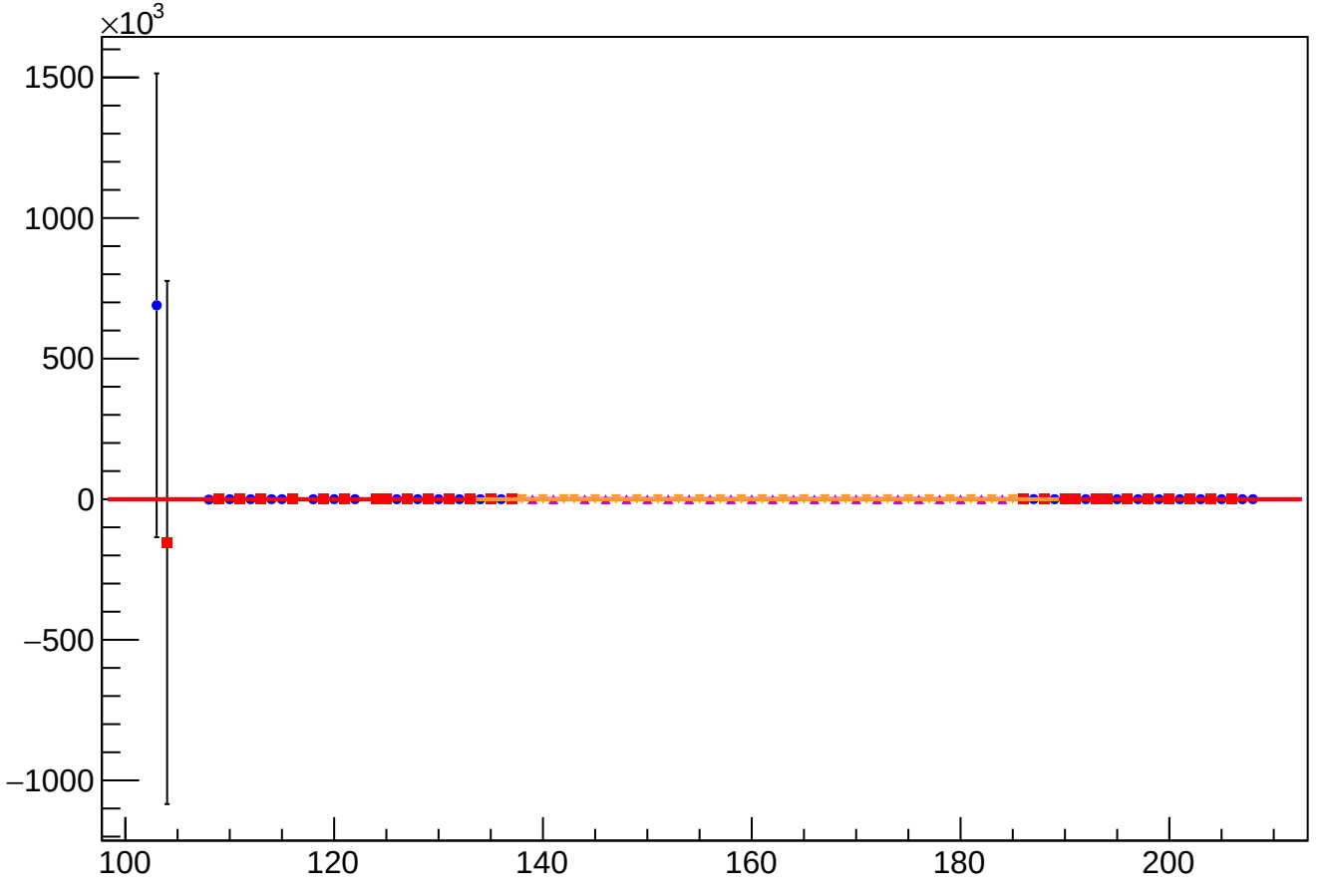
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1729.267+/-0.219 χ^2/NDF: 4315827.7/48

All: 1740.791+/-0.158 χ^2/NDF: 9070438.4/97

- sign 1753.064+/-0.226 χ^2/NDF: 4748912.4/48

diff_bpm1p03aY_mean vs Slug



Right In: 0.176+/-0.443 χ^2/NDF: 24.6/25

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 0.144+/-0.475 χ^2/NDF: 26.5/26

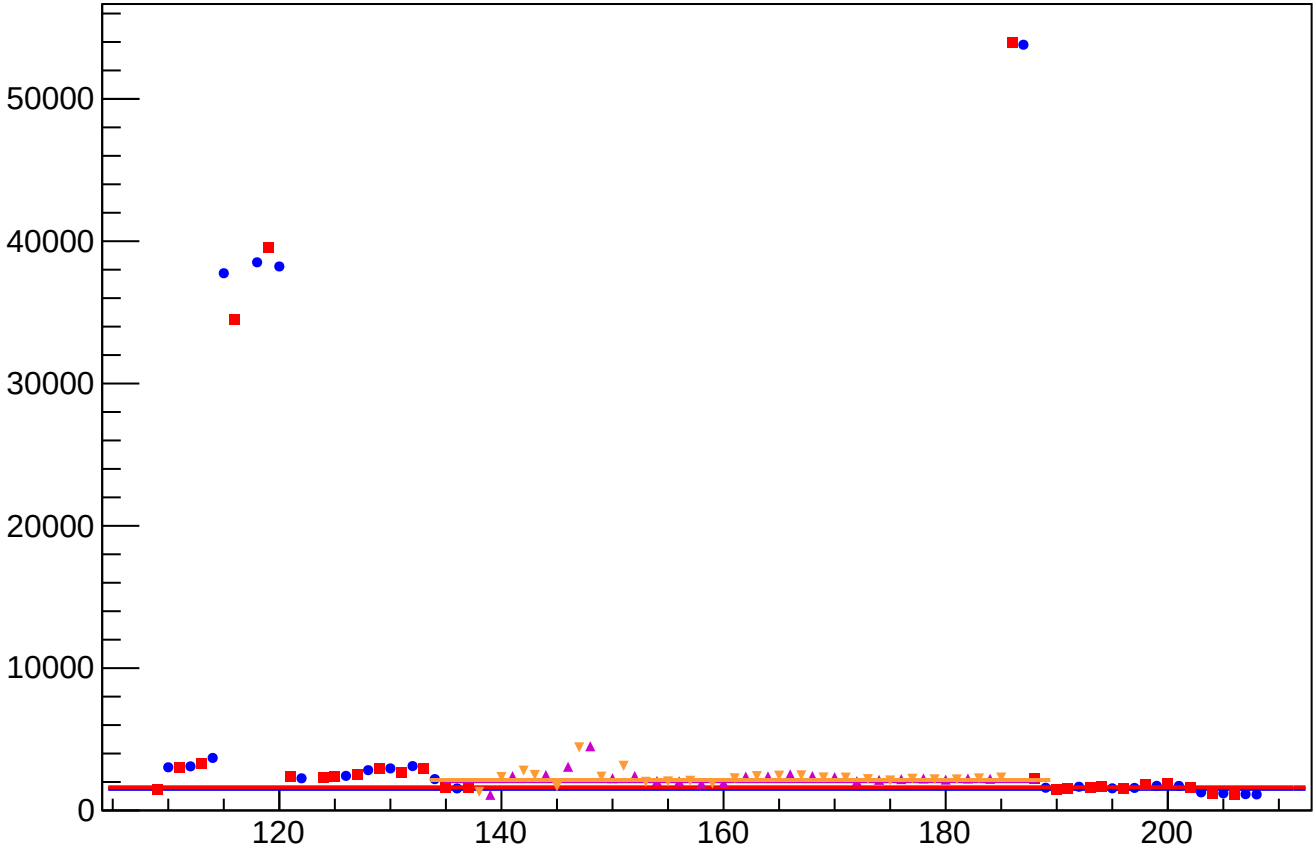
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.417+/-0.332 χ^2/NDF: 53.1/50

All: -0.151+/-0.239 χ^2/NDF: 97.8/100

- sign 0.135+/-0.345 χ^2/NDF: 43.4/49

diff_bpm1p03aY_rms vs Slug



Right In: 1517.963+/-0.313 χ^2/NDF: 4391751.7/23

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1625.576+/-0.336 χ^2/NDF: 4242649.3/25

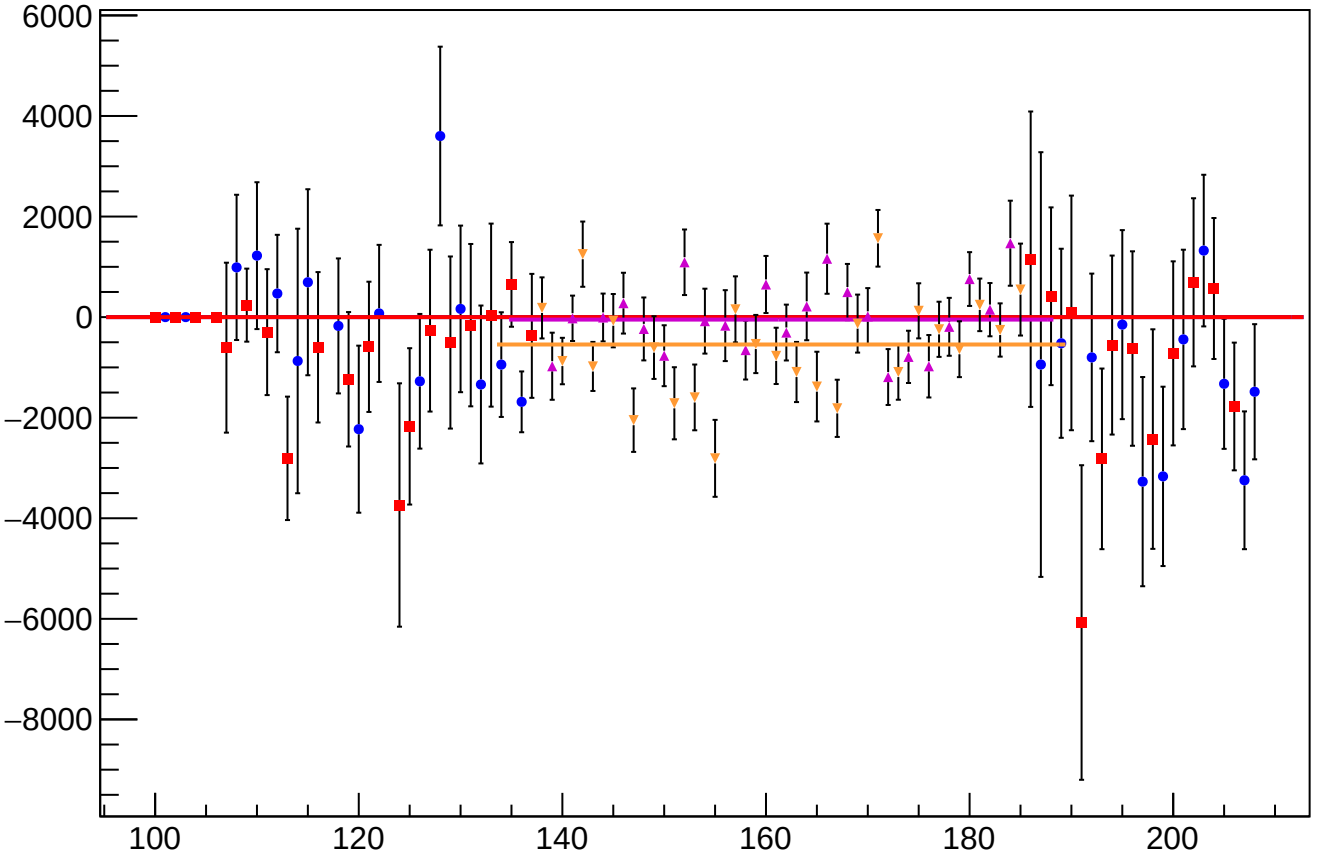
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 1789.700+/-0.235 χ^2/NDF: 7592075.0/48

All: 1809.236+/-0.169 χ^2/NDF: 14927717.8/9

- sign 1830.266+/-0.244 χ^2/NDF: 7321289.7/48

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 32.5/26

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

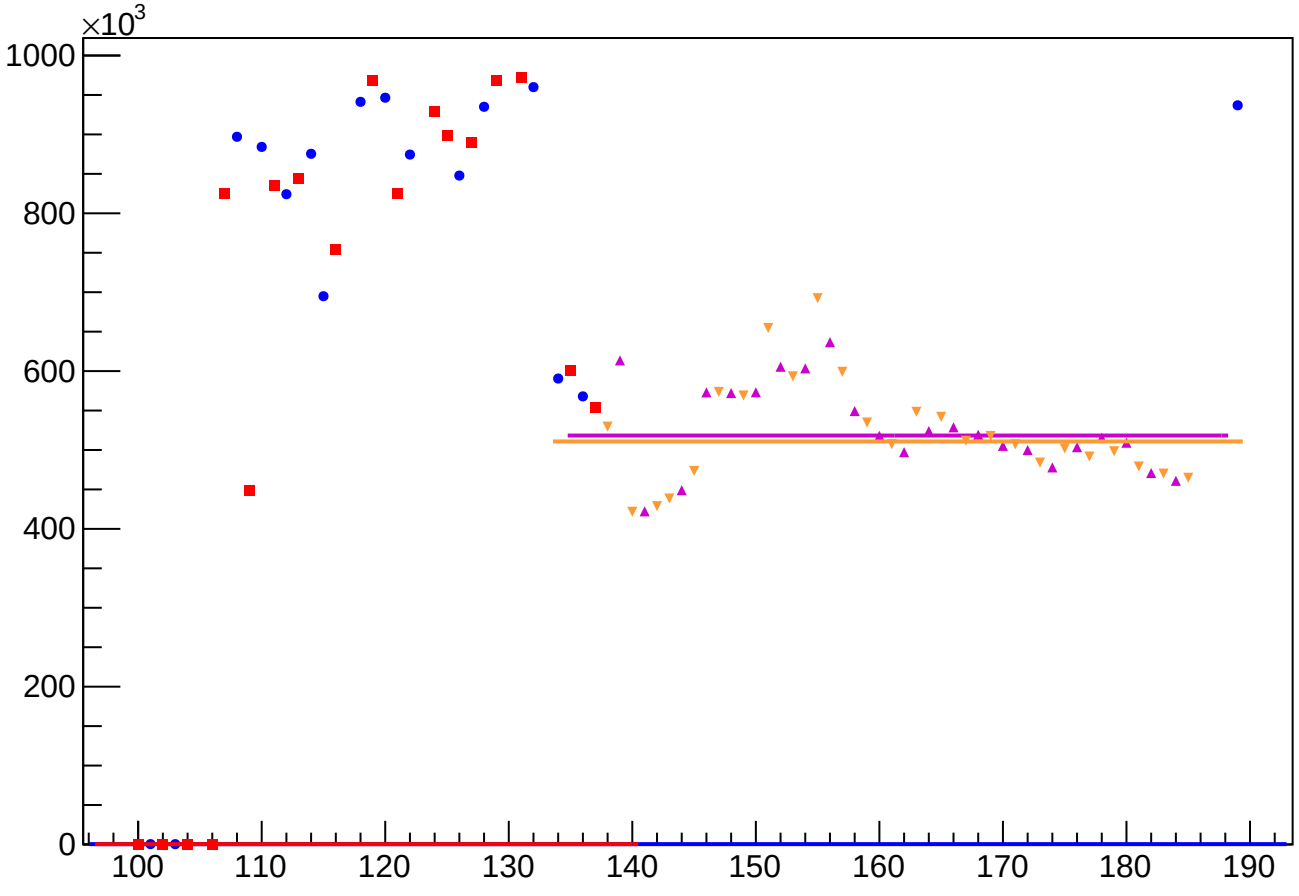
Right Out: 0.096+/-0.328 χ^2/NDF: 25.7/30

Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.250+/-0.356 χ^2/NDF: 114.9/51

All: 0.166+/-0.241 χ^2/NDF: 168.9/105

- sign 0.095+/-0.328 χ^2/NDF: 53.9/53



Right In: 398.894+/-0.251 χ^2/NDF: 8685185.3/15

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

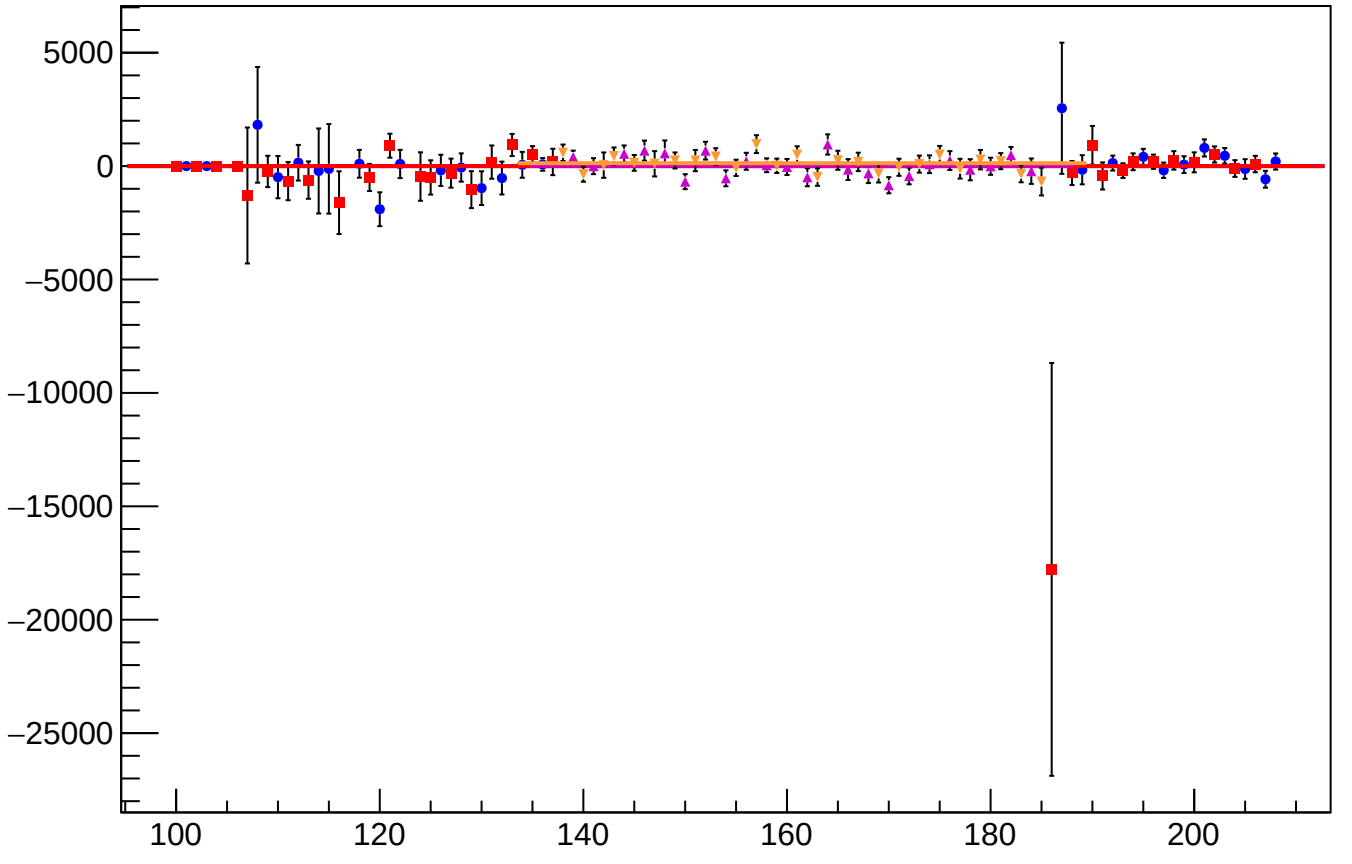
Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.598+/-0.251 χ^2/NDF: 47157011.5/40

All: 400.021+/-0.170 χ^2/NDF: 91289762.7/81

- sign 396.983+/-0.232 χ^2/NDF: 44132377.0/40



Right In: -0.019+/-0.347 χ^2/NDF: 22.2/26

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

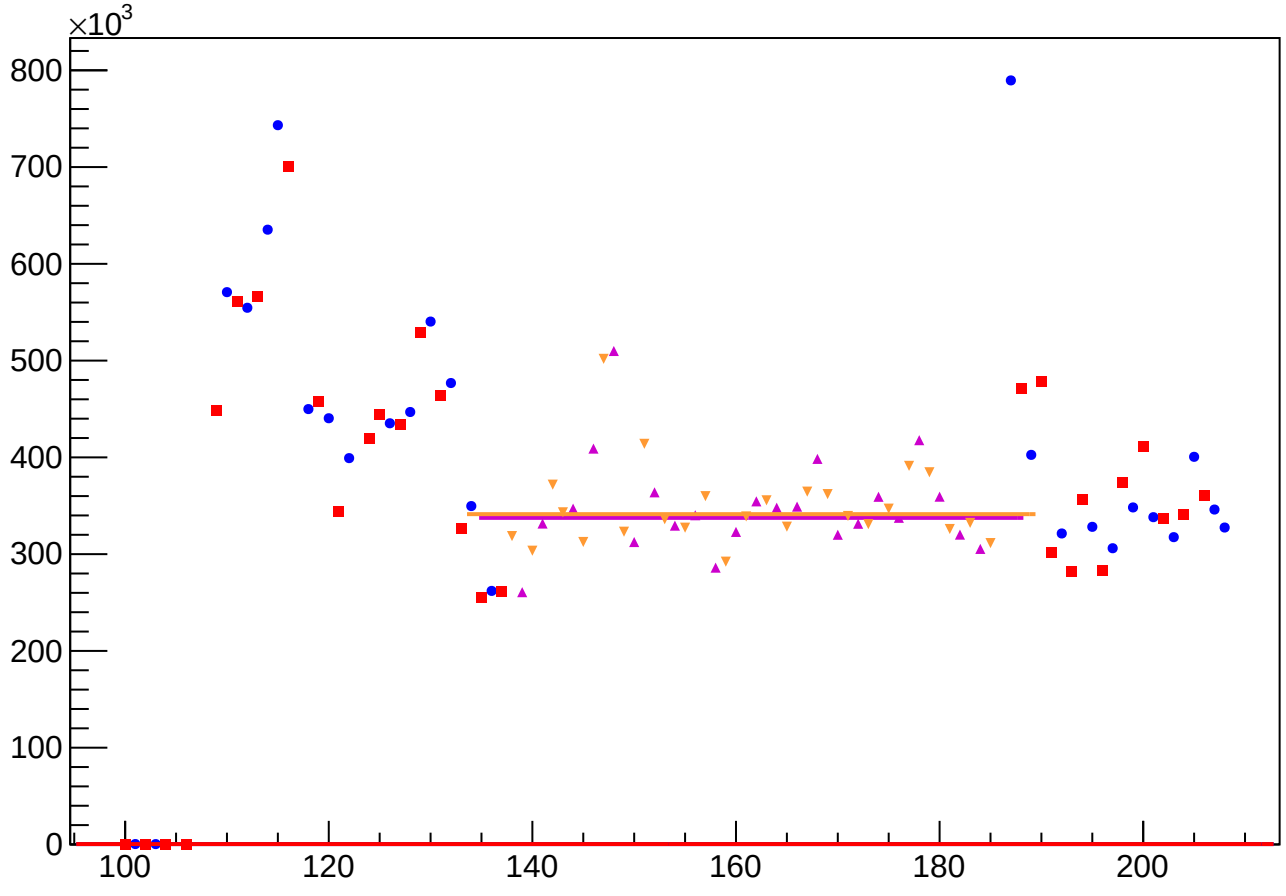
Right Out: 0.599+/-0.324 χ^2/NDF: 24.6/30

Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.017+/-0.347 χ^2/NDF: 45.1/51

All: 0.313+/-0.237 χ^2/NDF: 105.1/105

- sign 0.600+/-0.324 χ^2/NDF: 58.3/53



Right In: 393.172+/-0.245 χ^2/NDF: 27385091.1/25

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 390.446+/-0.229 χ^2/NDF: 27565880.7/28

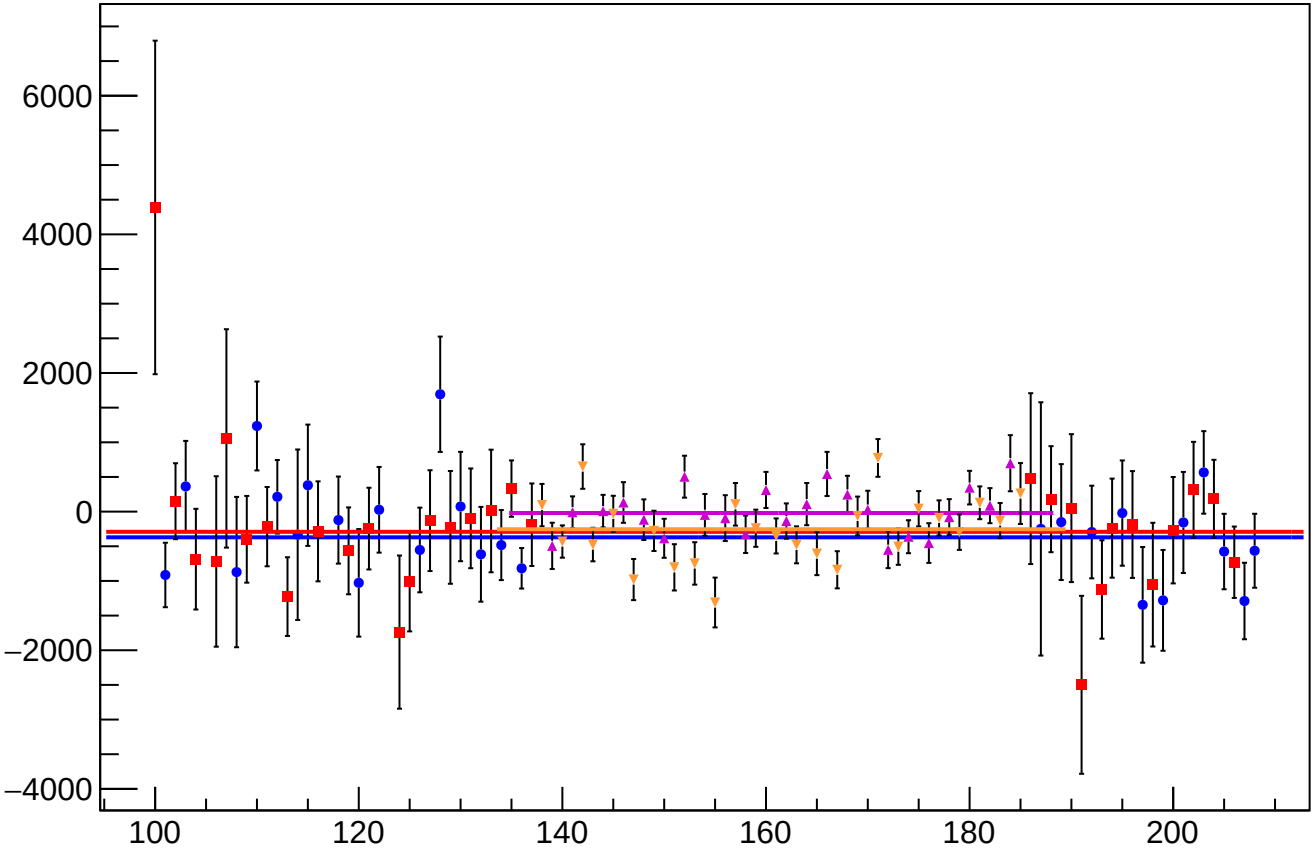
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 399.881+/-0.245 χ^2/NDF: 65755356.4/50

All: 397.806+/-0.167 χ^2/NDF: 129640043.1/1

- sign 396.000+/-0.229 χ^2/NDF: 63884553.0/51

diff_cav4cX_mean vs Slug



Right In: -370.744+/-119.561 χ^2/NDF: 30.2/26

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: -291.278+/-126.771 χ^2/NDF: 22.1/30

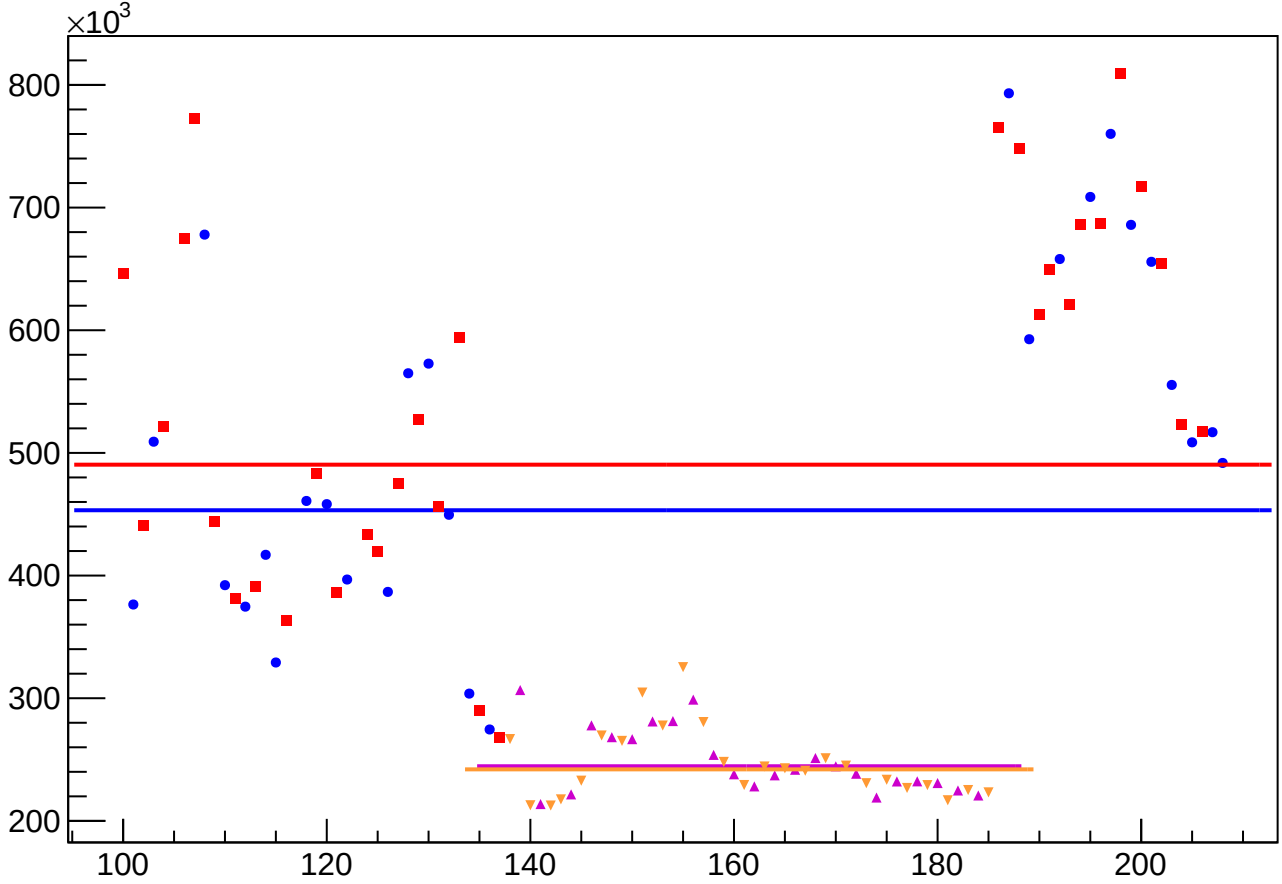
Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -274.951+/-50.279 χ^2/NDF: 92.3/51

All: -174.894+/-36.264 χ^2/NDF: 155.0/105

- sign -66.412+/-52.353 χ^2/NDF: 54.4/53

diff_cav4cX_rms vs Slug



Right In: 453252.027+/-84.558 χ^2/NDF: 2587863.3/26

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 490408.323+/-89.745 χ^2/NDF: 2500299.1/30

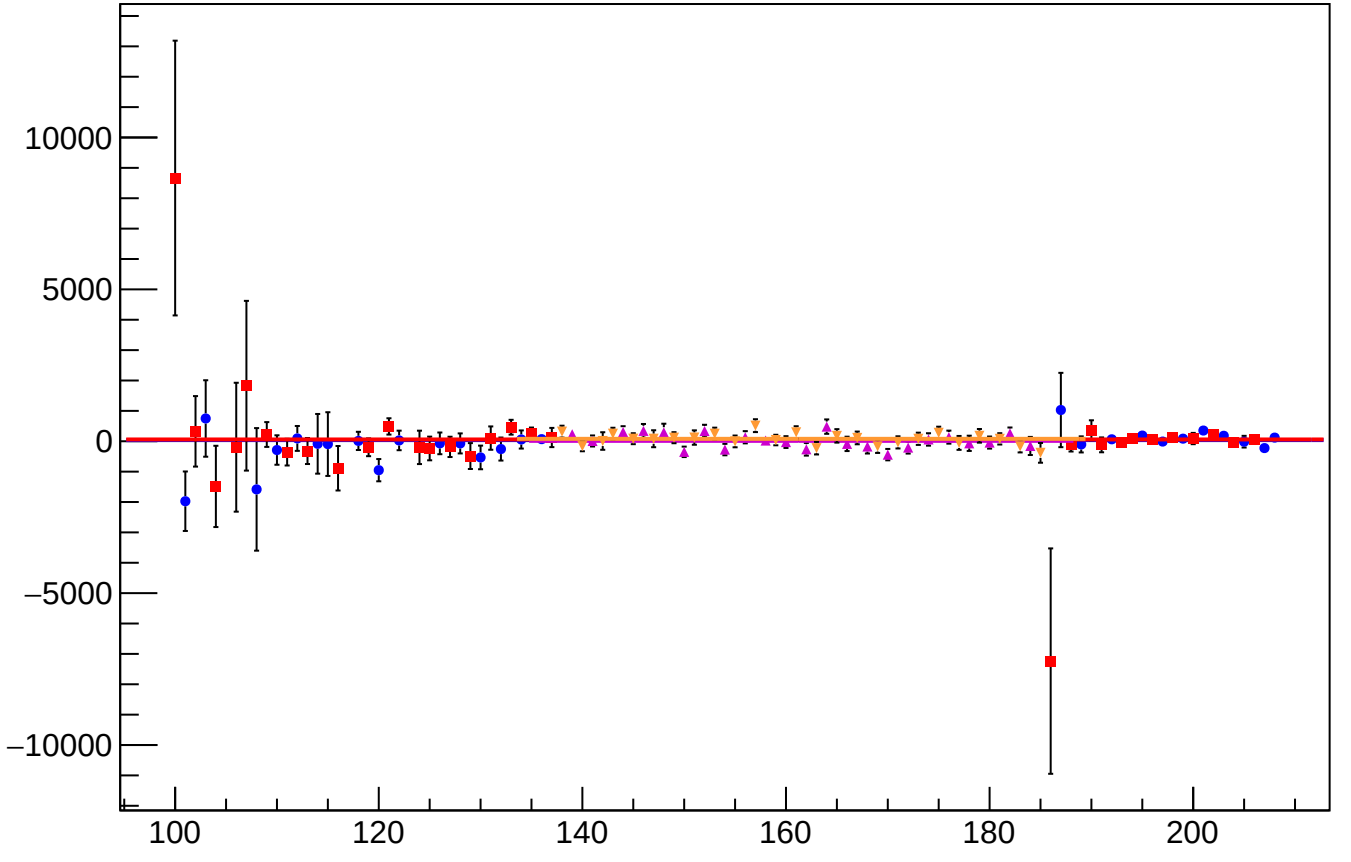
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 279354.968+/-35.554 χ^2/NDF: 8138767.4/51

All: 282731.341+/-25.645 χ^2/NDF: 1724723(

- sign 286393.217+/-37.027 χ^2/NDF: 9089663.8/53

diff_cav4cY_mean vs Slug



Right In: 38.406+/-43.104 χ^2/NDF: 26.1/26

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 58.926+/-43.394 χ^2/NDF: 27.4/30

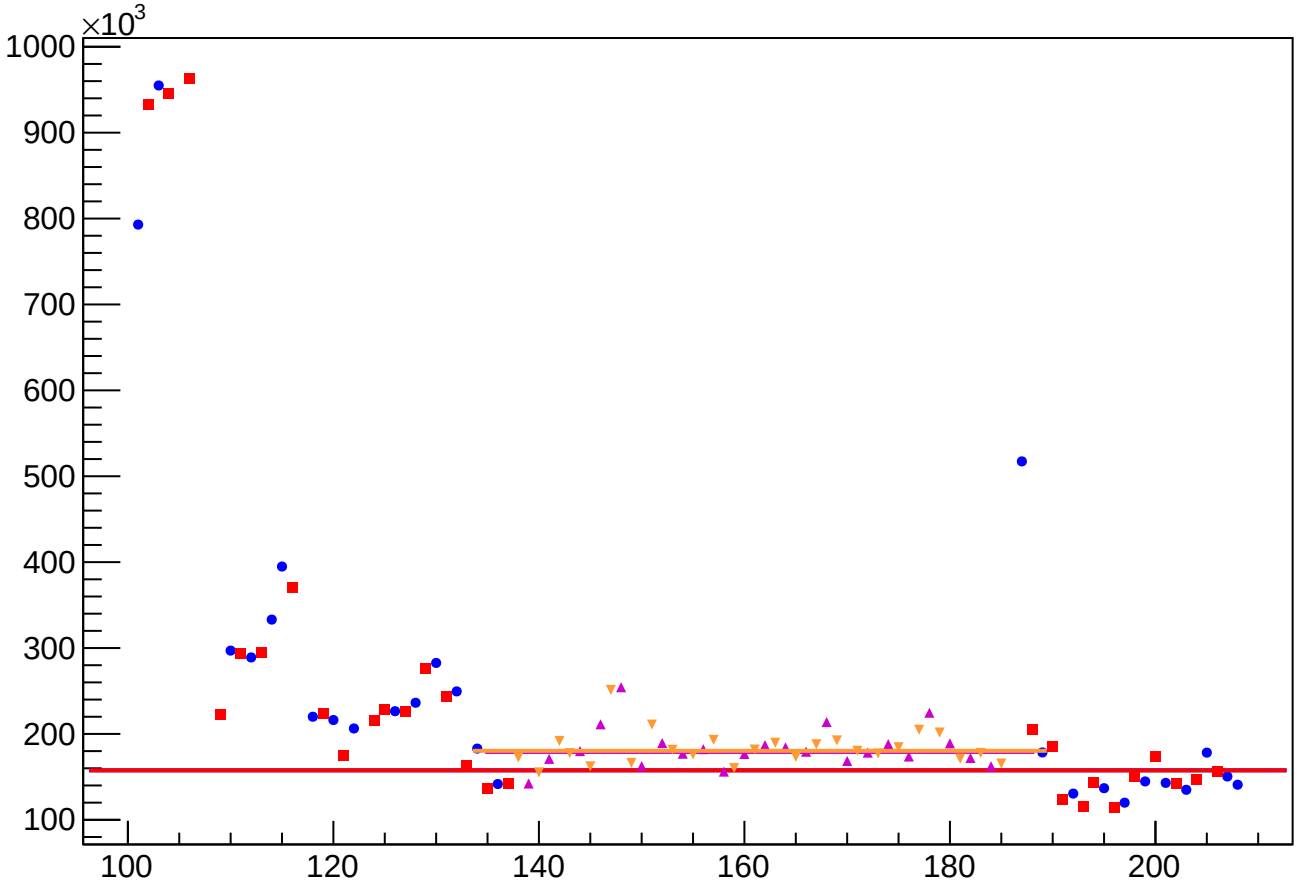
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 59.828+/-29.821 χ^2/NDF: 46.3/51

All: 48.026+/-21.242 χ^2/NDF: 107.7/105

- sign 35.870+/-30.265 χ^2/NDF: 61.1/53

diff_cav4cY_rms vs Slug



Right In: 157651.398+/-30.492 χ^2/NDF: 3256642.3/25

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 157584.672+/-30.705 χ^2/NDF: 3271755.5/27

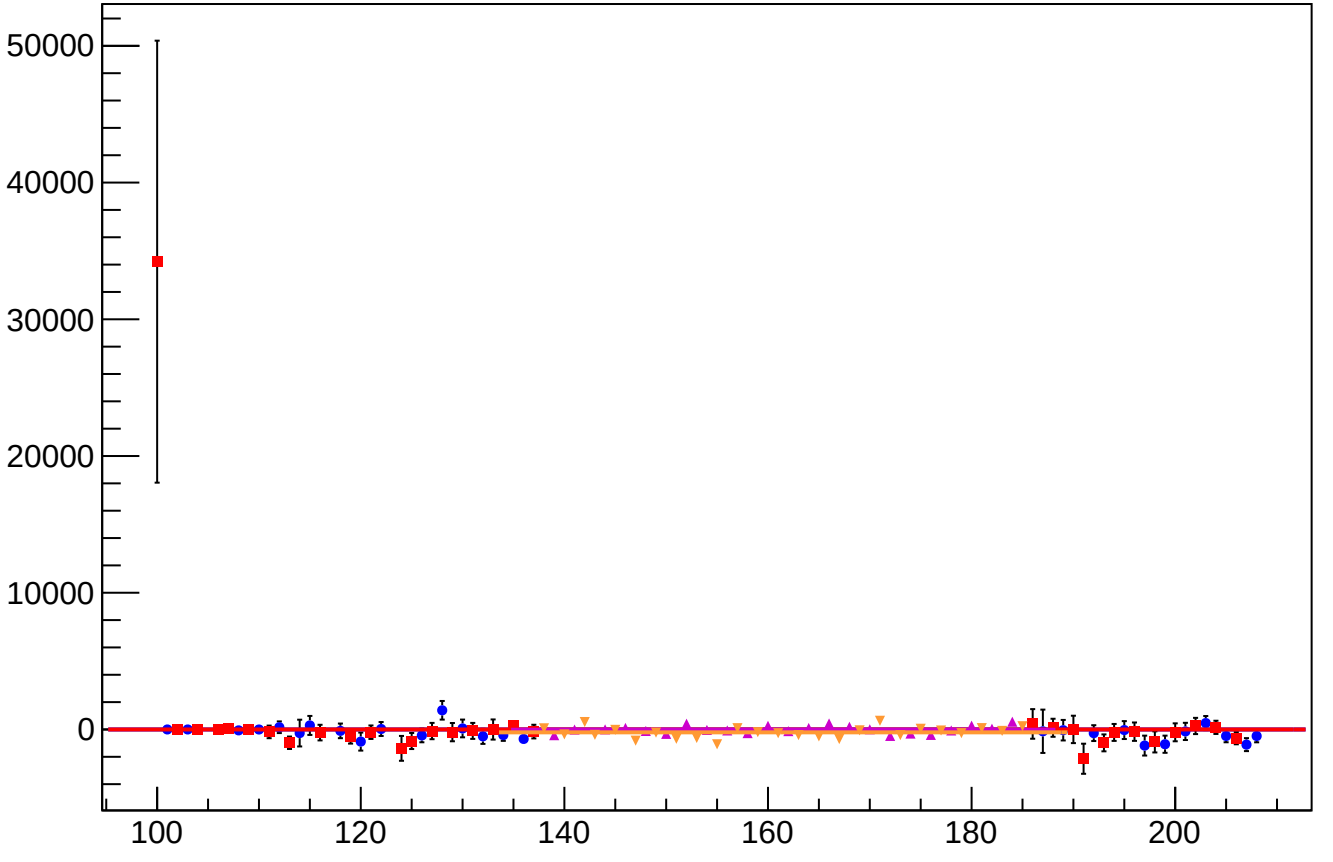
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 169486.329+/-21.091 χ^2/NDF: 3892087.6/50

All: 169050.905+/-15.024 χ^2/NDF: 7916652.

- sign 168602.287+/-21.408 χ^2/NDF: 4023699.9/50

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 32.4/26

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

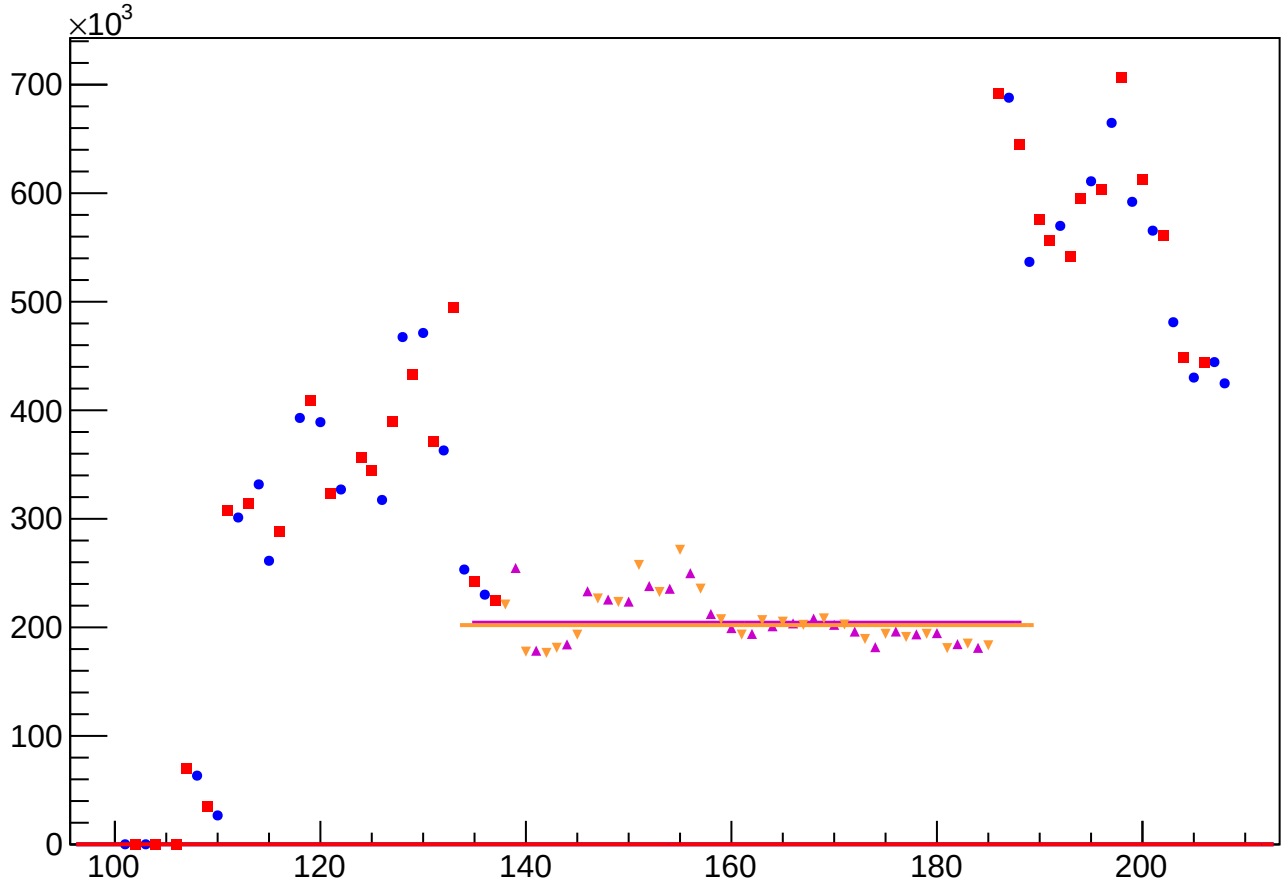
Right Out: -0.355+/-0.160 χ^2/NDF: 27.0/30

Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 114.2/51

All: -0.209+/-0.117 χ^2/NDF: 171.8/105

- sign -0.356+/-0.160 χ^2/NDF: 55.8/53



Right In: 149.577+/-0.122 χ^2/NDF: 28380086.2/26

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.784+/-0.113 χ^2/NDF: 29120585.8/29

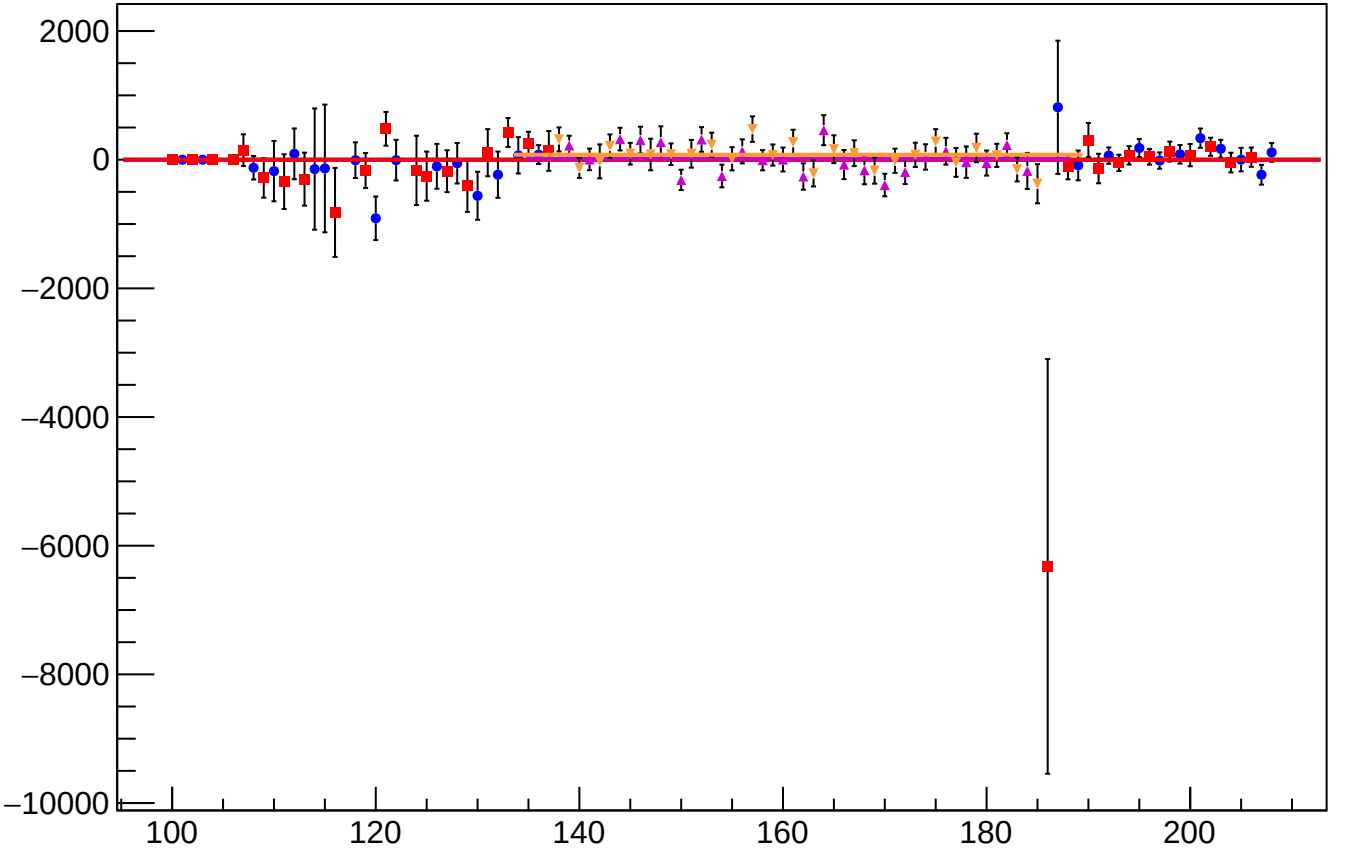
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.374+/-0.122 χ^2/NDF: 66875777.0/51

All: 152.201+/-0.083 χ^2/NDF: 132499004.8/1

- sign 152.052+/-0.113 χ^2/NDF: 65623224.1/52

diff_cav4dY_mean vs Slug



Right In: -0.067+/-0.177 χ^2/NDF: 23.6/26

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: 0.127+/-0.166 χ^2/NDF: 24.6/30

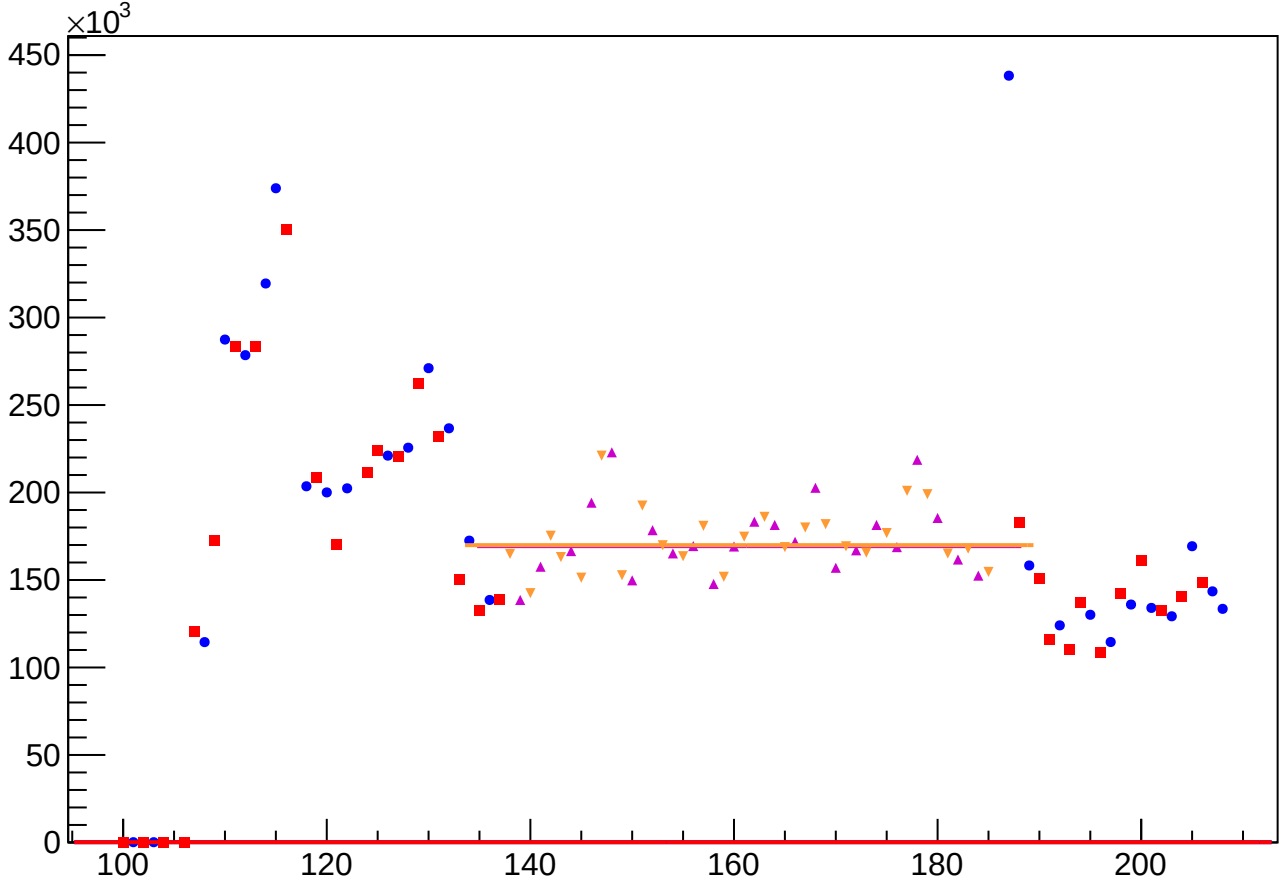
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

\+ sign -0.065+/-0.177 χ^2/NDF: 46.7/51

All: 0.037+/-0.121 χ^2/NDF: 104.7/105

\- sign 0.127+/-0.166 χ^2/NDF: 57.4/53

diff_cav4dY_rms vs Slug



Right In: 155.385+/-0.125 χ^2/NDF: 28652789.9/26

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 157.841+/-0.118 χ^2/NDF: 28041645.2/29

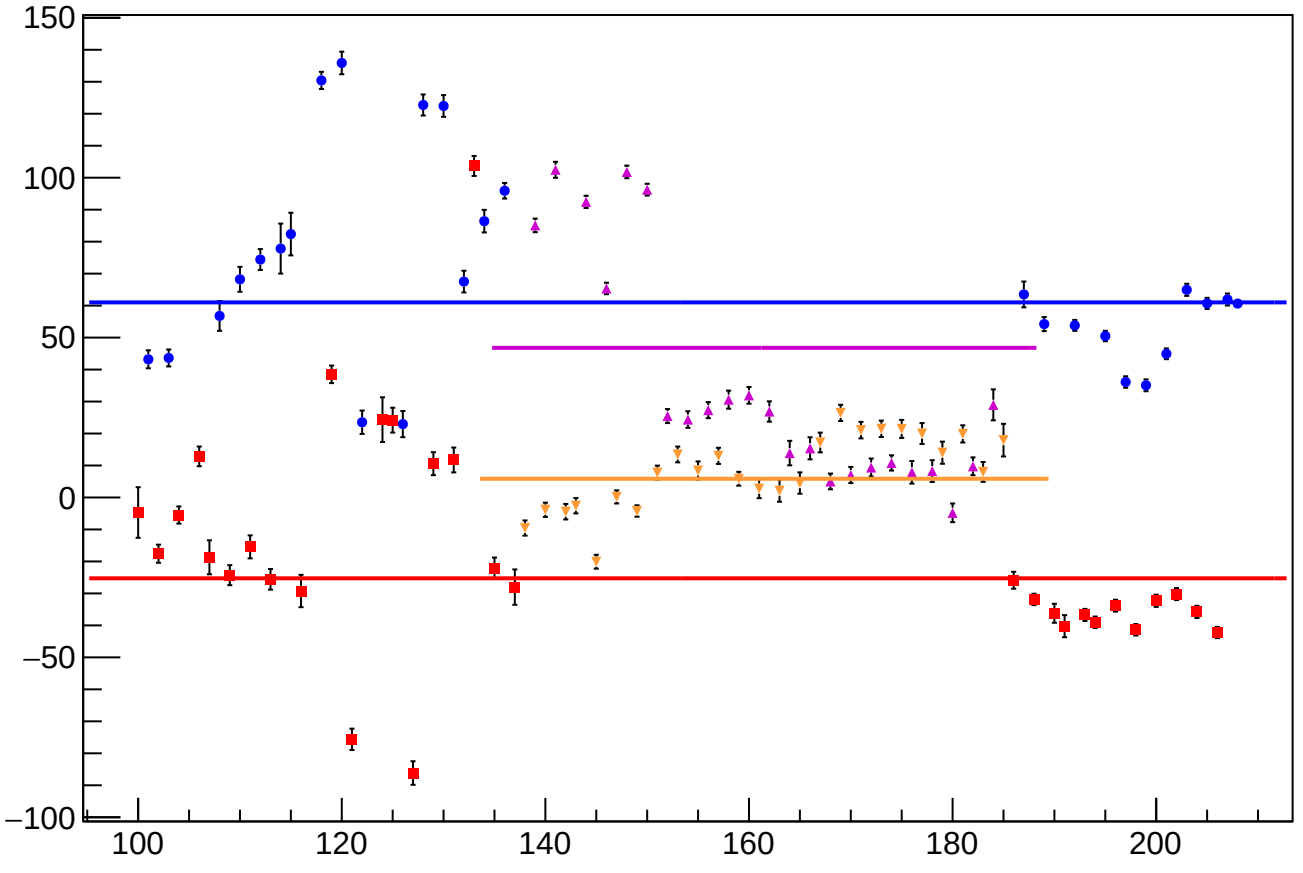
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 158.905+/-0.125 χ^2/NDF: 67064055.8/51

All: 159.903+/-0.086 χ^2/NDF: 131490119.6/1

- sign 160.783+/-0.118 χ^2/NDF: 64425944.6/52

diff_bpm0i01X_mean vs Slug



Right In: 61.006+/-0.465 χ^2/NDF: 2915.6/26

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -25.274+/-0.472 χ^2/NDF: 3768.9/30

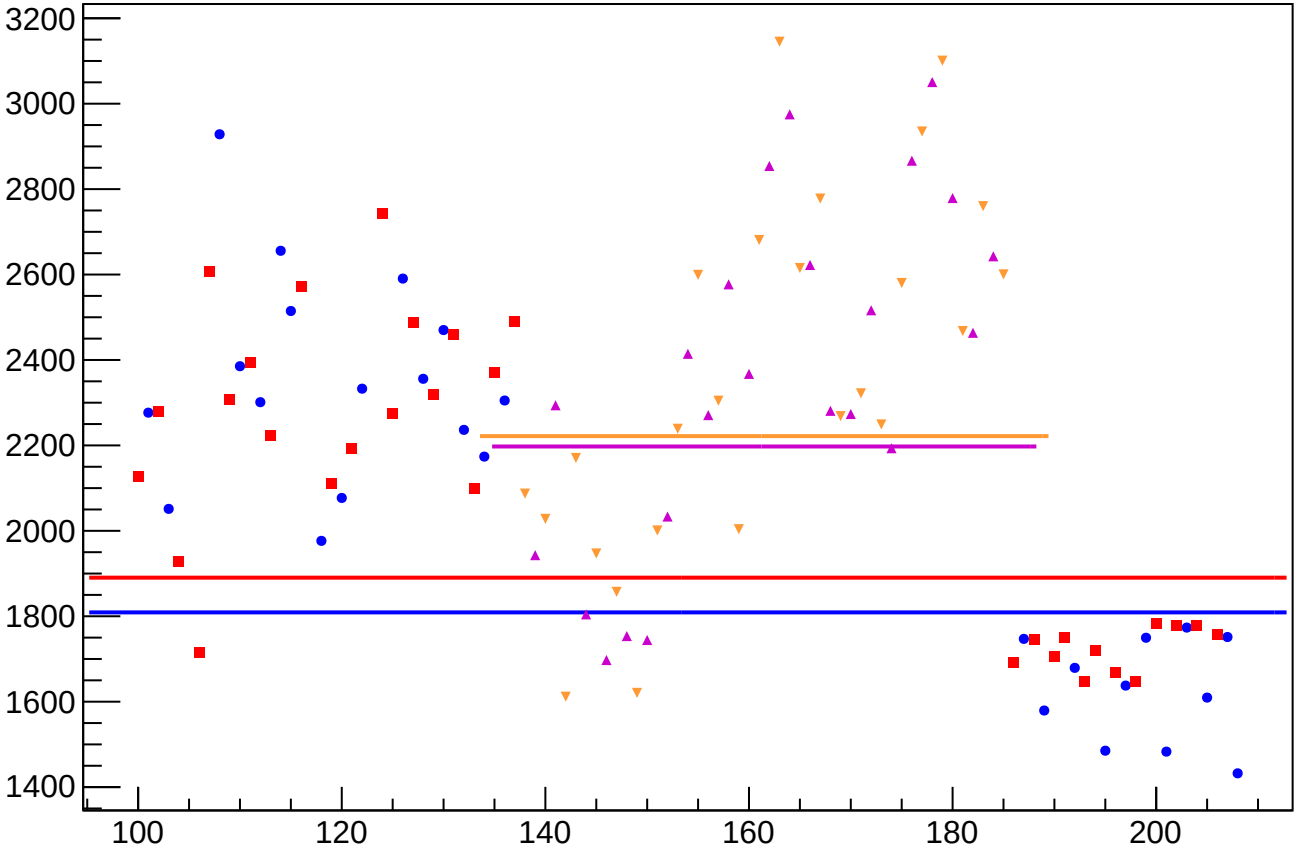
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

\+ sign 36.158+/-0.345 χ^2/NDF: 9778.1/51

All: 21.804+/-0.246 χ^2/NDF: 32679.2/105

\- sign 6.964+/-0.351 χ^2/NDF: 19380.1/53

diff_bpm0i01X_rms vs Slug



Right In: 1809.048+/-0.329 χ^2/NDF: 1073121.6/26

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1890.391+/-0.334 χ^2/NDF: 675338.4/30

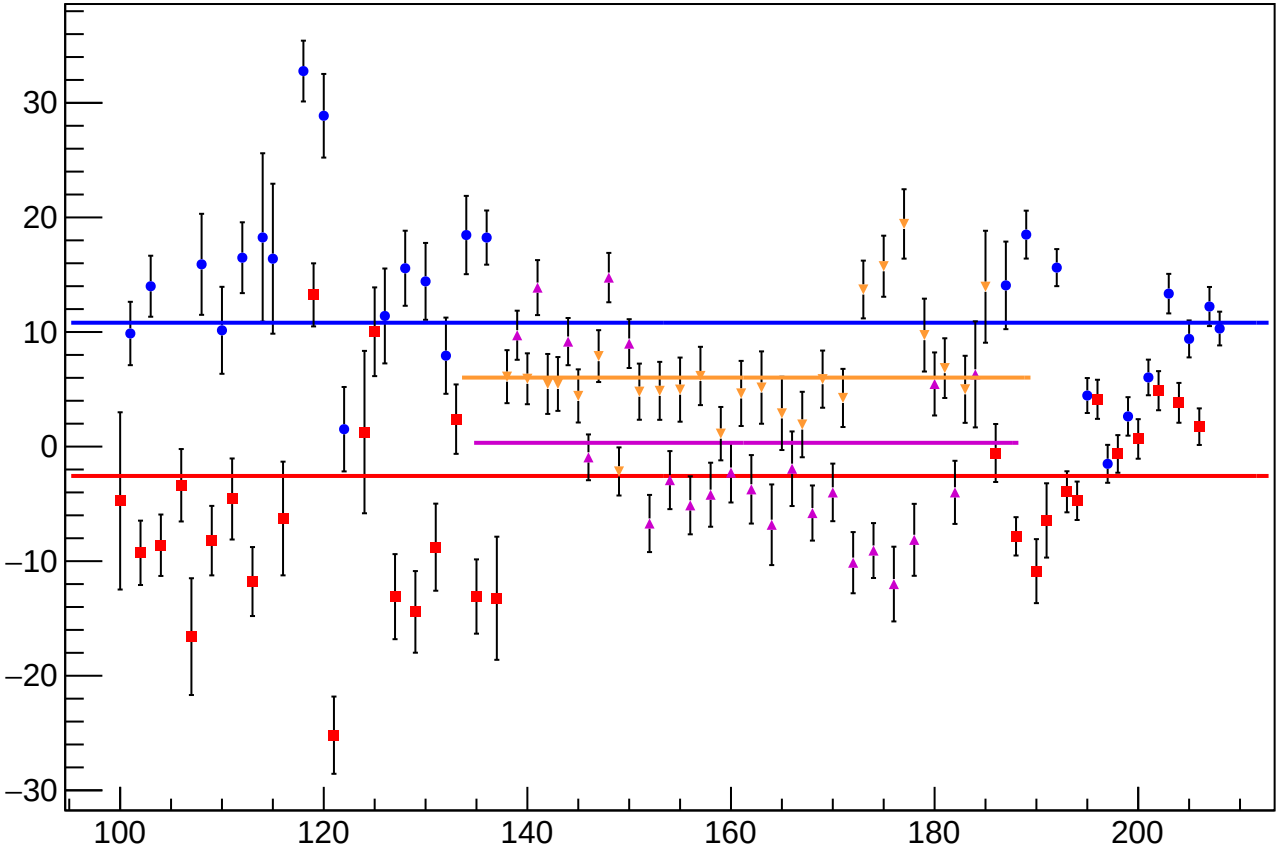
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 1994.986+/-0.244 χ^2/NDF: 2965775.9/51

All: 2011.095+/-0.174 χ^2/NDF: 5133575.2/10

- sign 2027.750+/-0.248 χ^2/NDF: 2158929.8/53

diff_bpm0i01Y_mean vs Slug



Right In: 10.811+/-0.439 χ^2/NDF: 259.0/26

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: -2.563+/-0.445 χ^2/NDF: 243.2/30

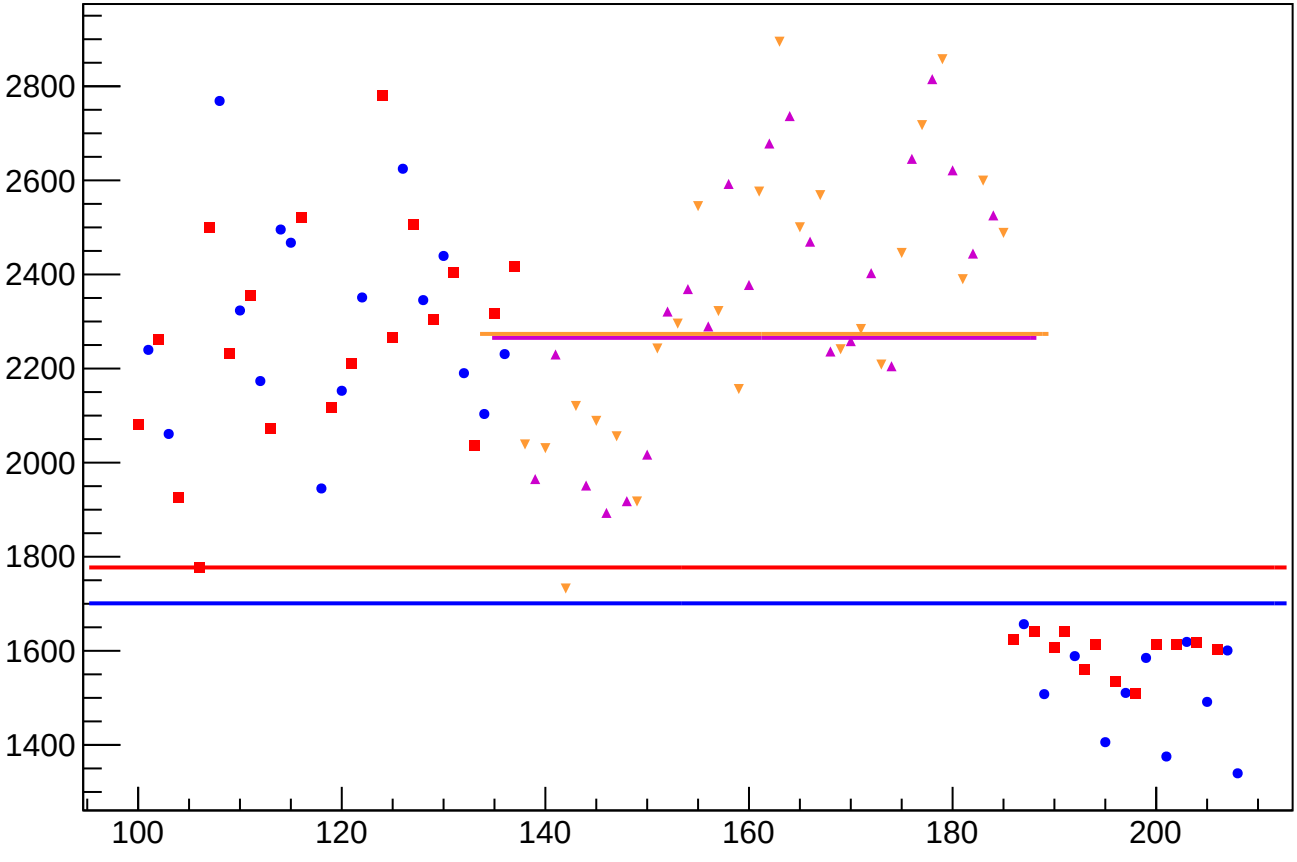
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 8.822+/-0.336 χ^2/NDF: 380.2/51

All: 3.819+/-0.240 χ^2/NDF: 1318.7/105

- sign -1.379+/-0.342 χ^2/NDF: 485.3/53

diff_bpm0i01Y_rms vs Slug



Right In: 1700.929+/-0.310 χ^2/NDF: 1327277.9/26

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1777.209+/-0.315 χ^2/NDF: 930982.3/30

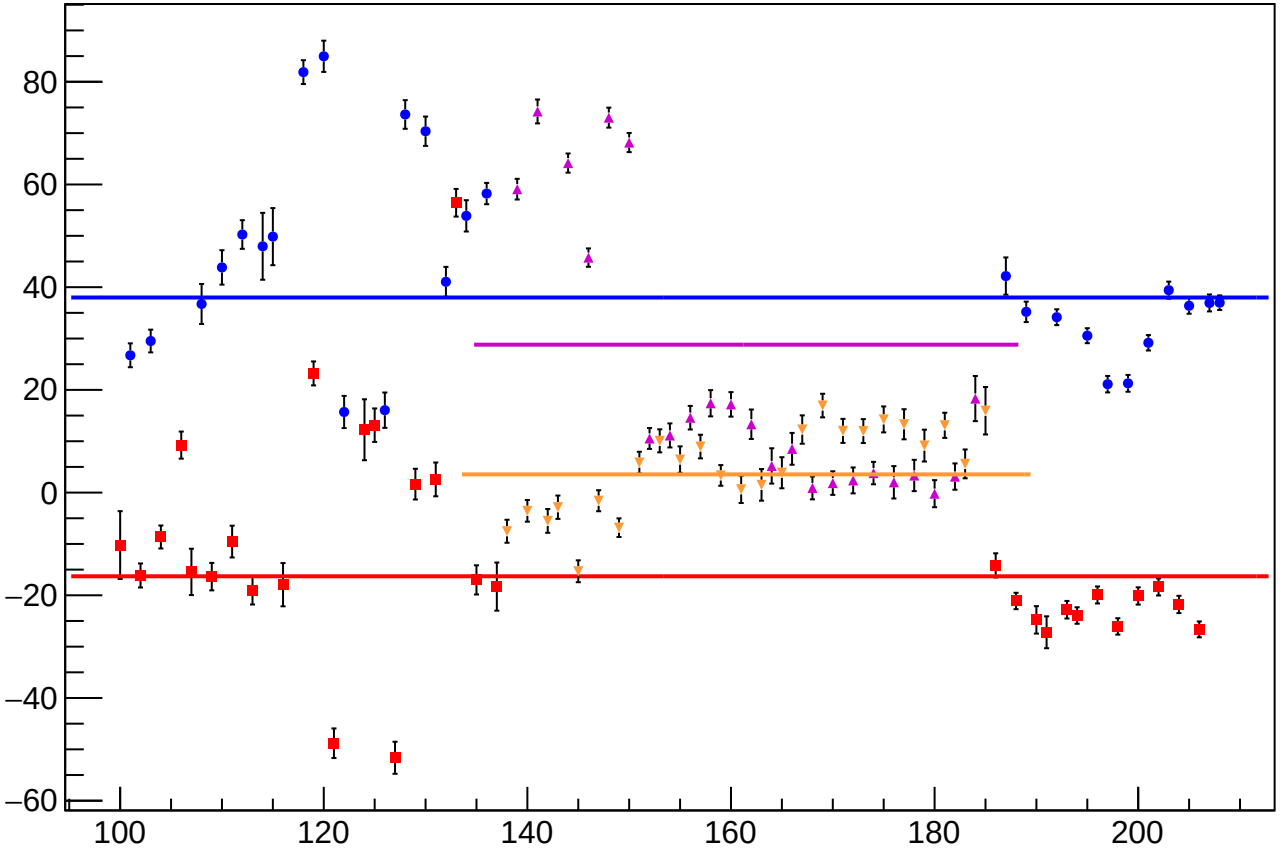
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 1938.730+/-0.237 χ^2/NDF: 3278133.3/51

All: 1957.518+/-0.169 χ^2/NDF: 5702179.0/10

- sign 1977.034+/-0.242 χ^2/NDF: 2411267.4/53

diff_bpm0i01aX_mean vs Slug



Right In: 37.989+/-0.409 χ^2/NDF: 1457.2/26

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -16.298+/-0.413 χ^2/NDF: 1729.7/30

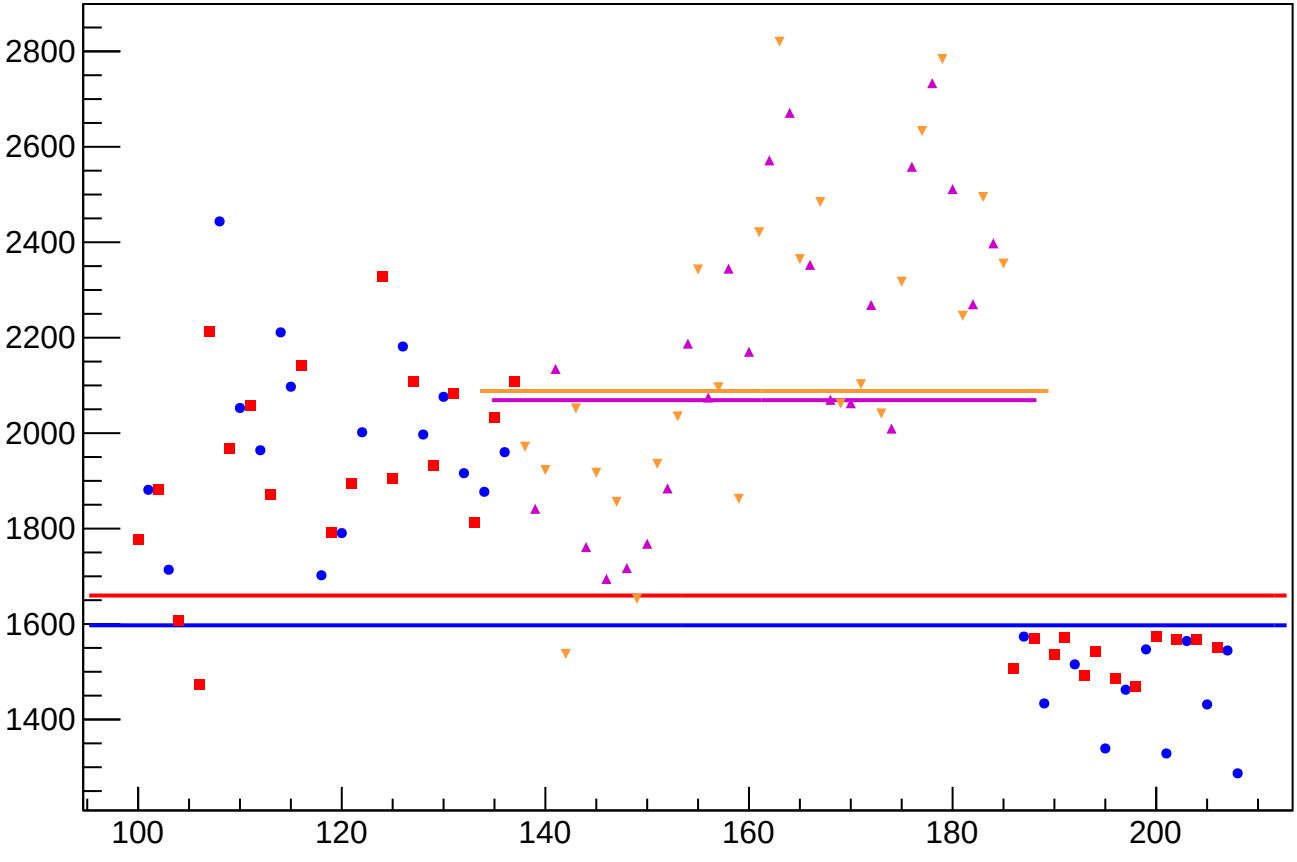
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

+ sign 23.515+/-0.311 χ^2/NDF: 4759.2/51

All: 13.112+/-0.222 χ^2/NDF: 16961.4/105

- sign 2.396+/-0.316 χ^2/NDF: 9935.7/53

diff_bpm0i01aX_rms vs Slug



Right In: 1597.341+/-0.289 χ^2/NDF: 821031.4/26

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1659.755+/-0.292 χ^2/NDF: 492263.0/30

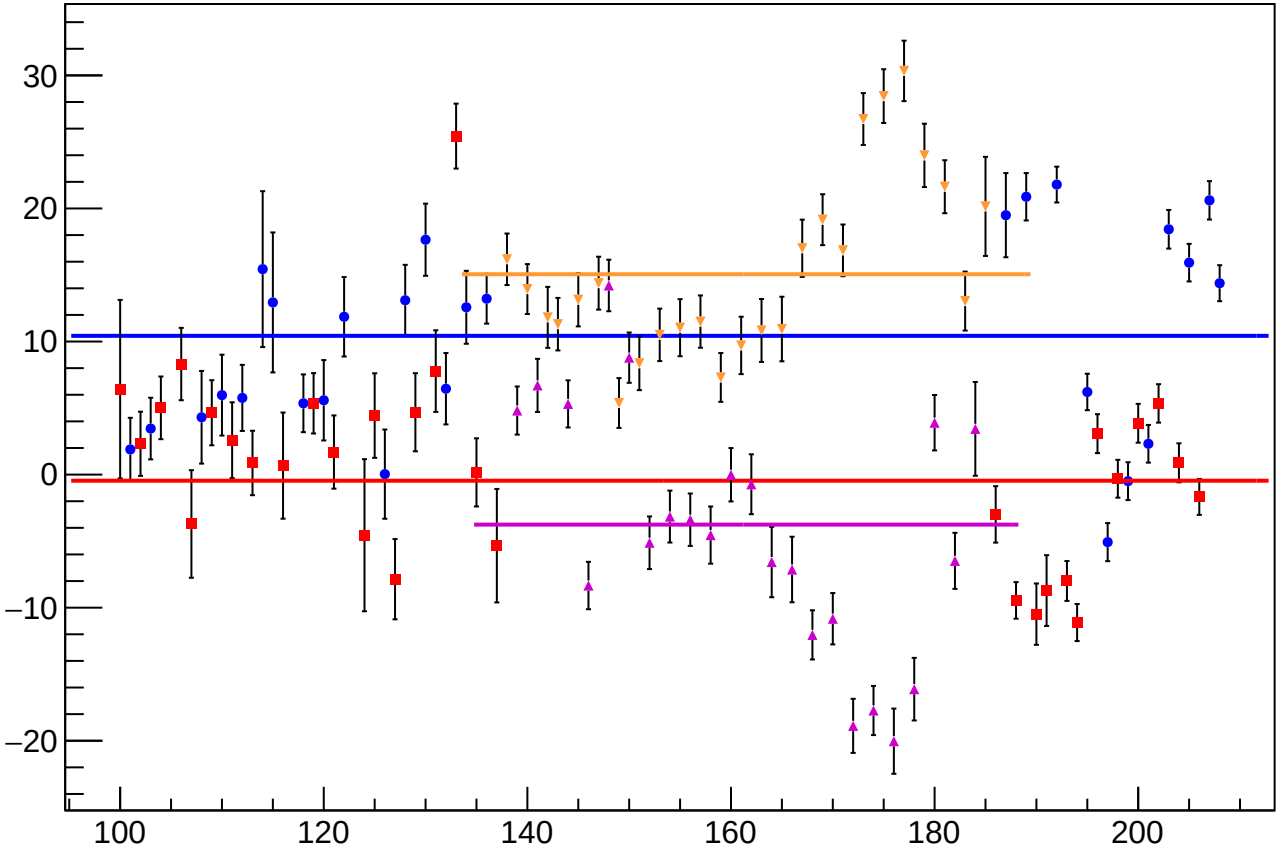
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1803.677+/-0.220 χ^2/NDF: 2820437.3/51

All: 1816.358+/-0.157 χ^2/NDF: 4845416.7/10

- sign 1829.423+/-0.223 χ^2/NDF: 2018242.5/53

diff_bpm0i01aY_mean vs Slug



Right In: 10.429+/-0.375 χ^2/NDF: 499.1/26

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -0.458+/-0.372 χ^2/NDF: 354.1/30

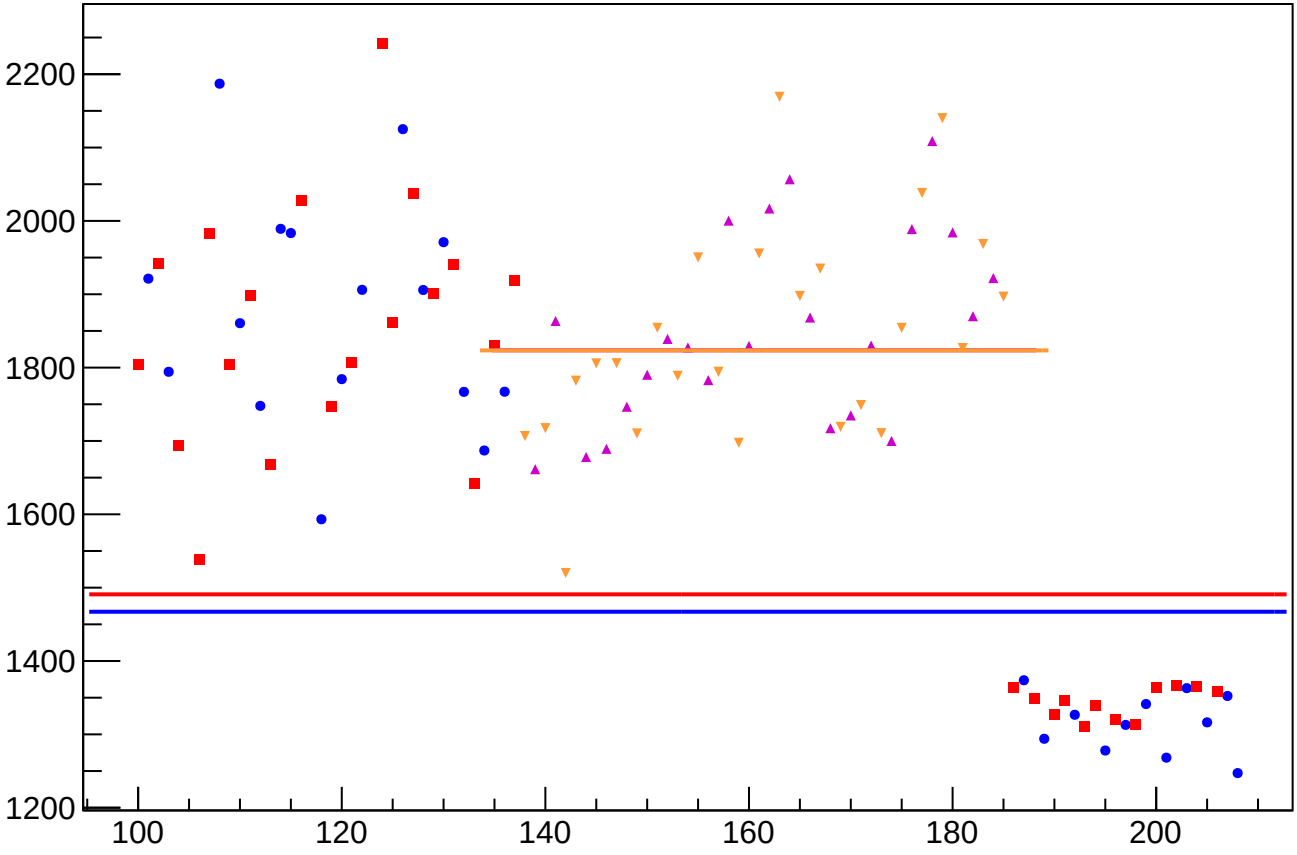
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 12.503+/-0.278 χ^2/NDF: 813.7/51

All: 5.374+/-0.198 χ^2/NDF: 2984.4/105

- sign -1.879+/-0.281 χ^2/NDF: 847.0/53

diff_bpm0i01aY_rms vs Slug



Right In: 1467.175+/-0.265 χ^2/NDF: 912230.0/26

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

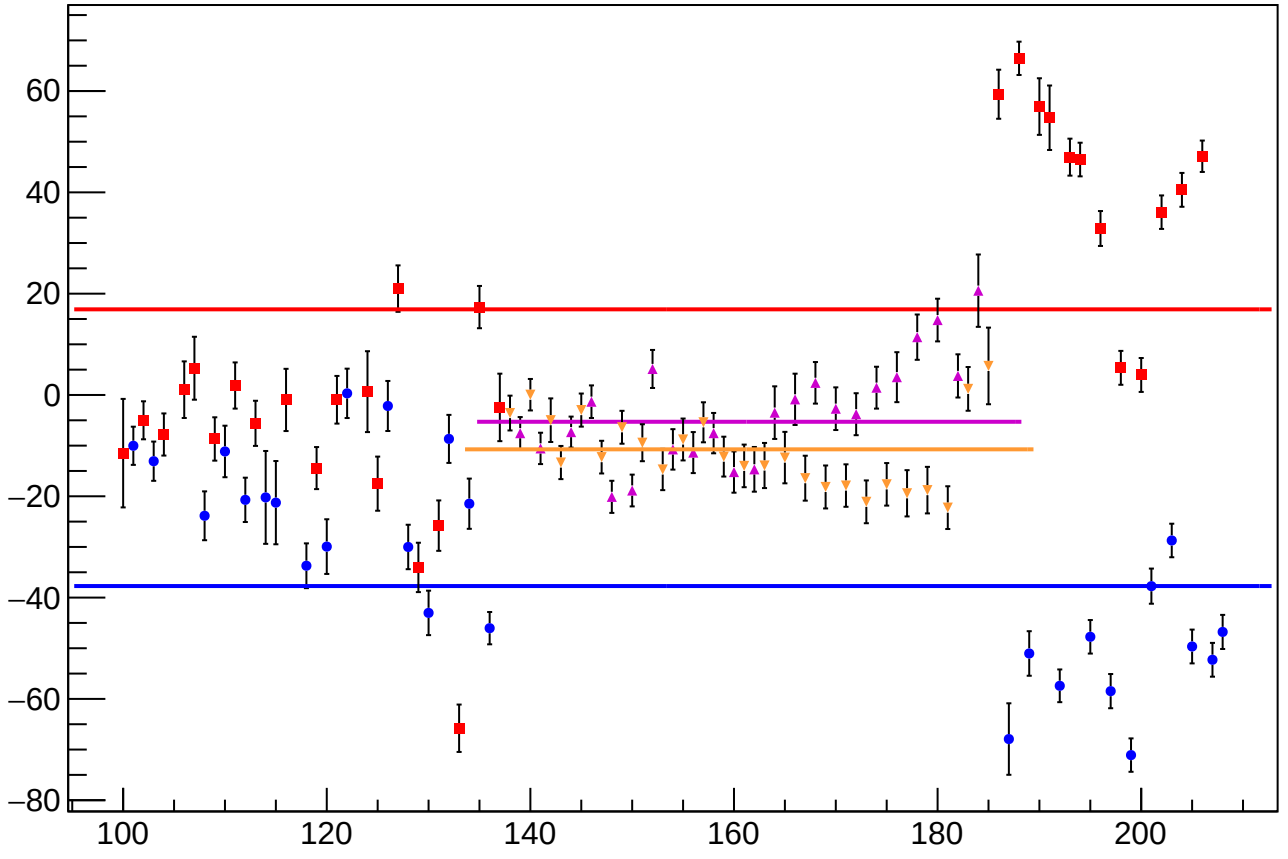
Right Out: 1490.877+/-0.263 χ^2/NDF: 784193.5/30

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1626.872+/-0.197 χ^2/NDF: 1934134.8/51

All: 1630.481+/-0.140 χ^2/NDF: 3571702.7/10

- sign 1634.154+/-0.199 χ^2/NDF: 1636889.2/53



Right In: -37.721+/-0.782 χ^2/NDF: 588.6/26

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: 16.906+/-0.769 χ^2/NDF: 1555.2/30

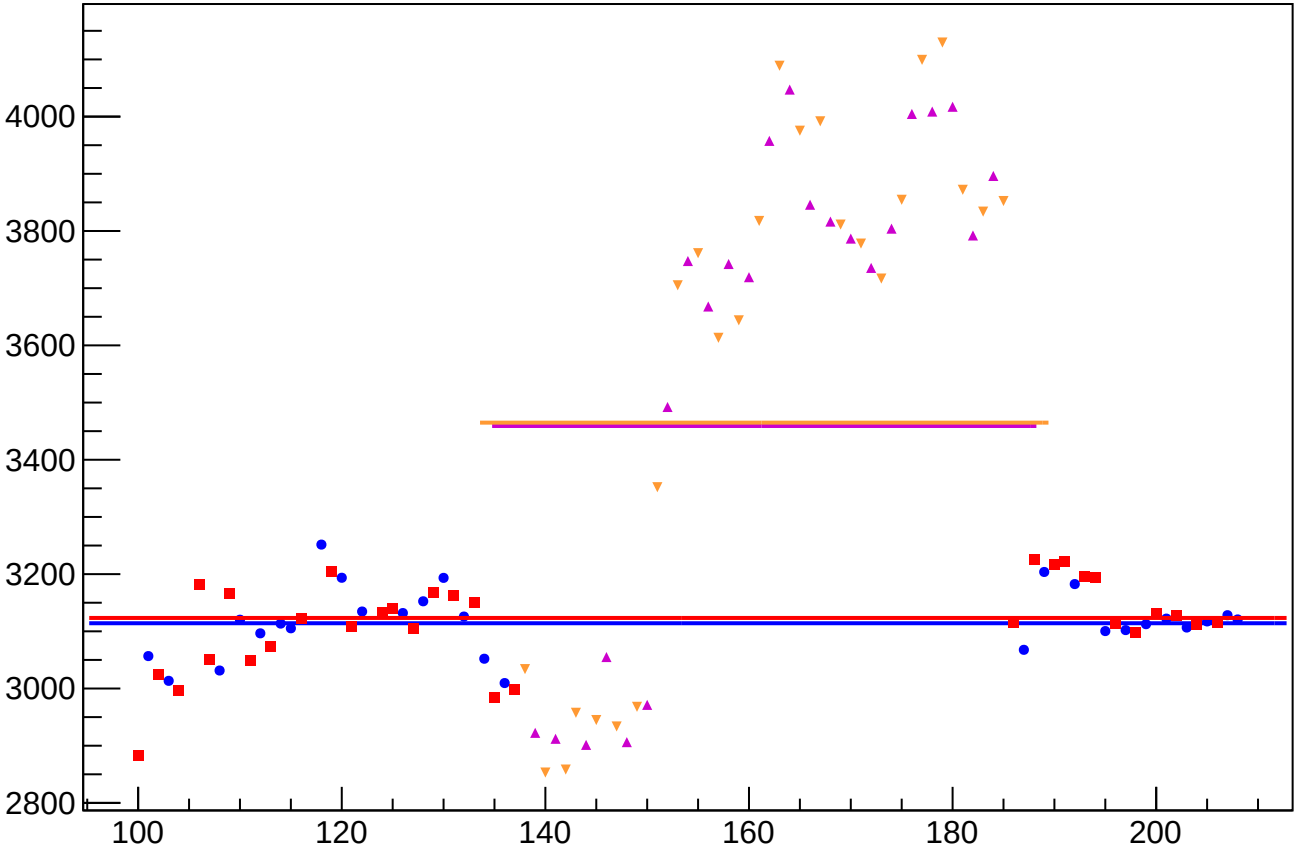
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -24.426+/-0.557 χ^2/NDF: 1248.8/51

All: -9.048+/-0.395 χ^2/NDF: 4859.4/105

- sign 6.440+/-0.559 χ^2/NDF: 2081.5/53

diff_bpm0l01X_rms vs Slug



Right In: 3114.138+/-0.553 χ^2/NDF: 10100.0/26

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3123.399+/-0.544 χ^2/NDF: 14693.6/30

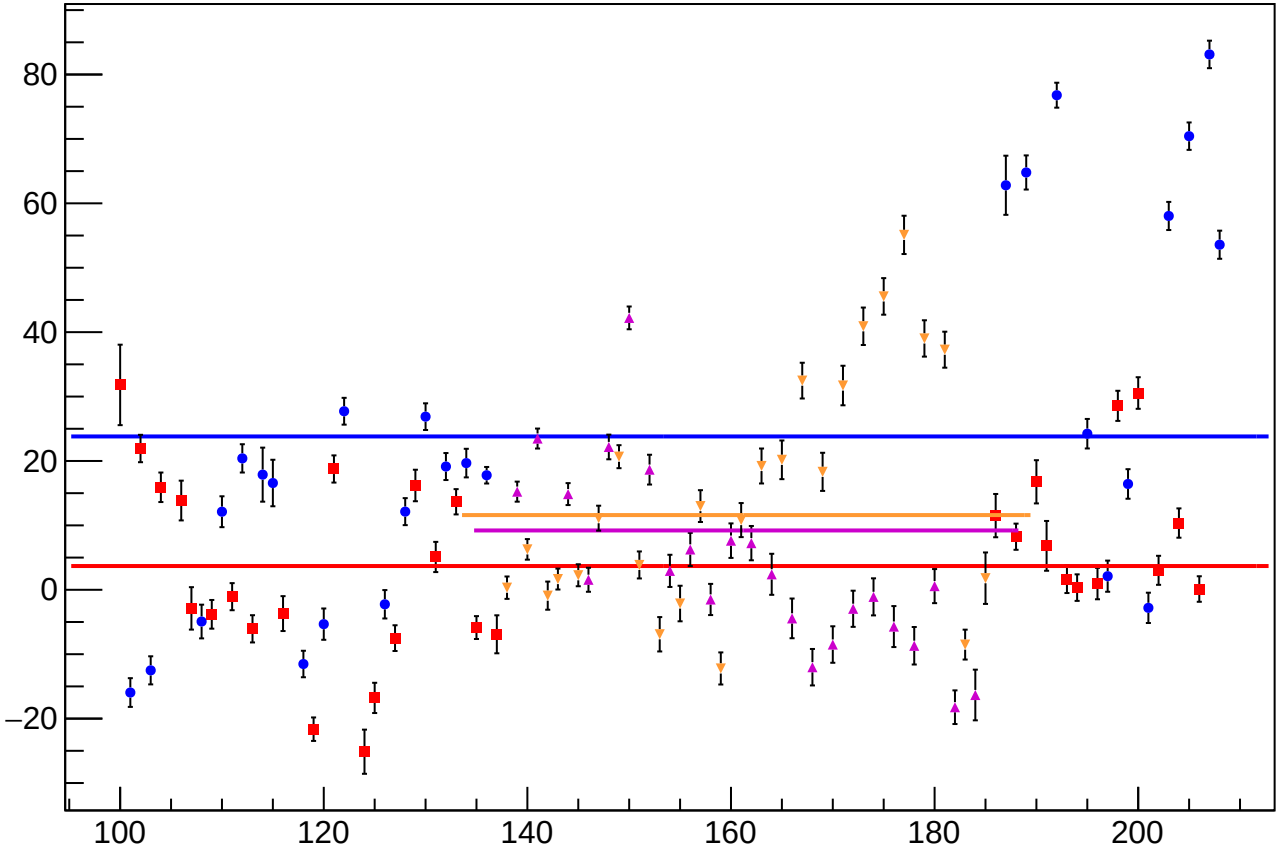
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3286.934+/-0.394 χ^2/NDF: 852259.4/51

All: 3284.305+/-0.279 χ^2/NDF: 1629940.3/10

- sign 3281.656+/-0.395 χ^2/NDF: 777591.4/53

diff_bpm0l01Y_mean vs Slug



Right In: 23.807+/-0.428 χ^2/NDF: 4354.7/26

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 3.688+/-0.422 χ^2/NDF: 975.0/30

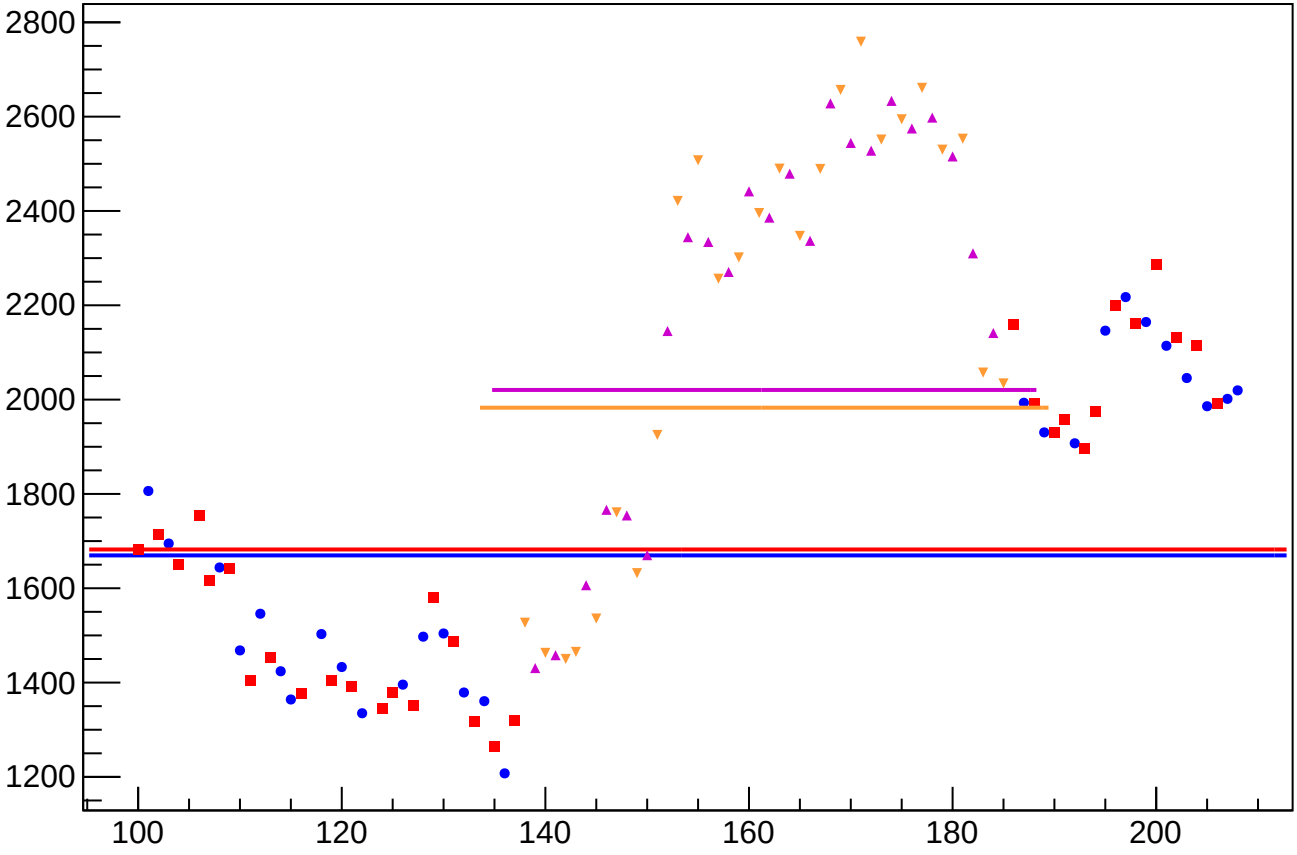
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

+ sign 18.189+/-0.314 χ^2/NDF: 5926.3/51

All: 12.207+/-0.224 χ^2/NDF: 8648.8/105

- sign 6.078+/-0.318 χ^2/NDF: 1989.6/53

diff_bpm0l01Y_rms vs Slug



Right In: 1669.656+/-0.303 χ^2/NDF: 1143319.3/26

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1682.234+/-0.299 χ^2/NDF: 1170579.5/30

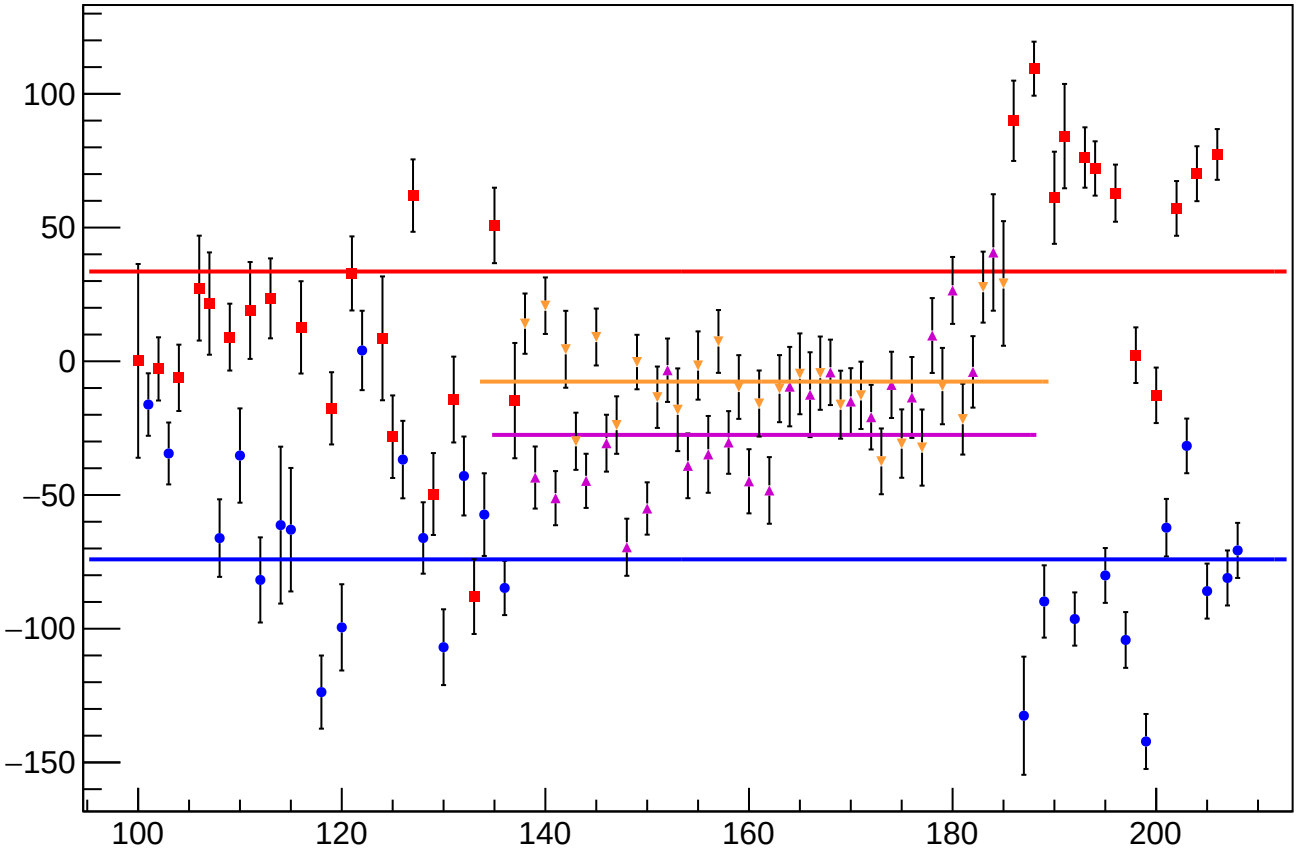
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1813.812+/-0.222 χ^2/NDF: 3614126.9/51

All: 1821.098+/-0.158 χ^2/NDF: 6956178.7/10

- sign 1828.562+/-0.225 χ^2/NDF: 3339877.1/53

diff_bpm0l02X_mean vs Slug



Right In: -74.067+/-2.428 χ^2/NDF: 190.8/26

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 33.570+/-2.391 χ^2/NDF: 368.0/30

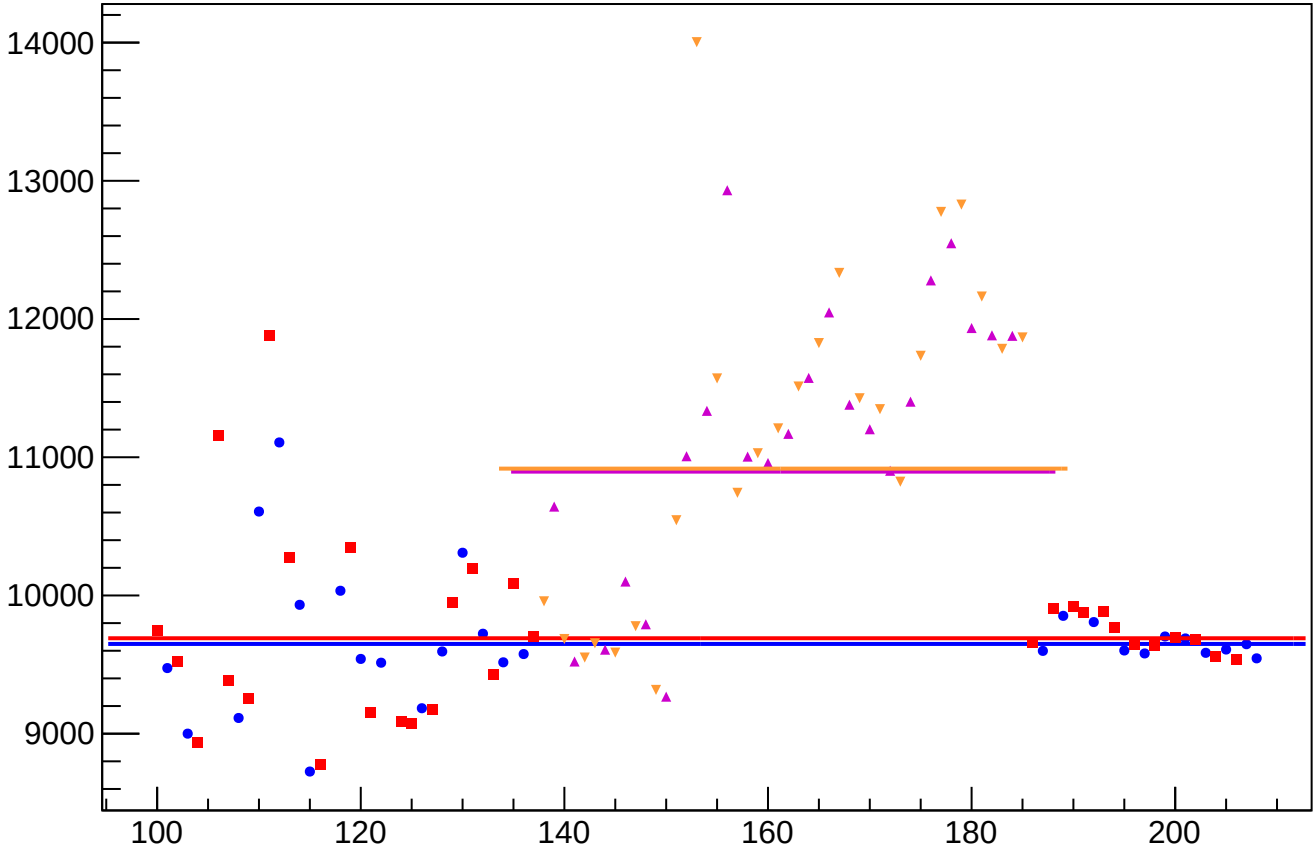
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

\+ sign -41.736+/-1.740 χ^2/NDF: 603.3/51

All: -18.423+/-1.233 χ^2/NDF: 1729.3/105

\- sign 5.059+/-1.746 χ^2/NDF: 765.6/53

diff_bpm0l02X_rms vs Slug



Right In: 9649.295+/-1.717 χ^2/NDF: 45599.4/26

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9690.390+/-1.691 χ^2/NDF: 83036.2/30

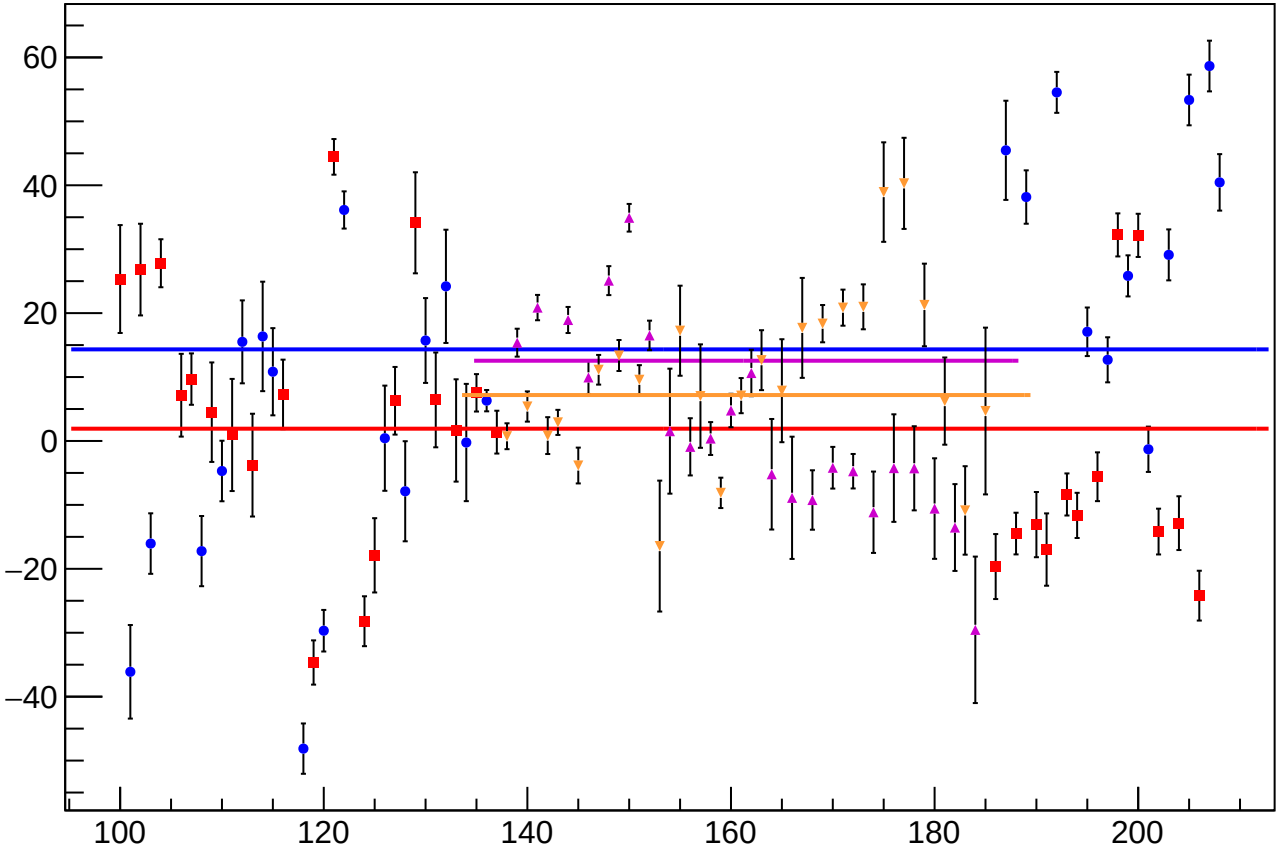
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10266.223+/-1.230 χ^2/NDF: 736927.0/51

All: 10259.619+/-0.872 χ^2/NDF: 1355314.7/1

- sign 10252.968+/-1.235 χ^2/NDF: 618329.9/53

diff_bpm0l02Y_mean vs Slug



Right In: 14.329+/-0.778 χ^2/NDF: 1176.8/26

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

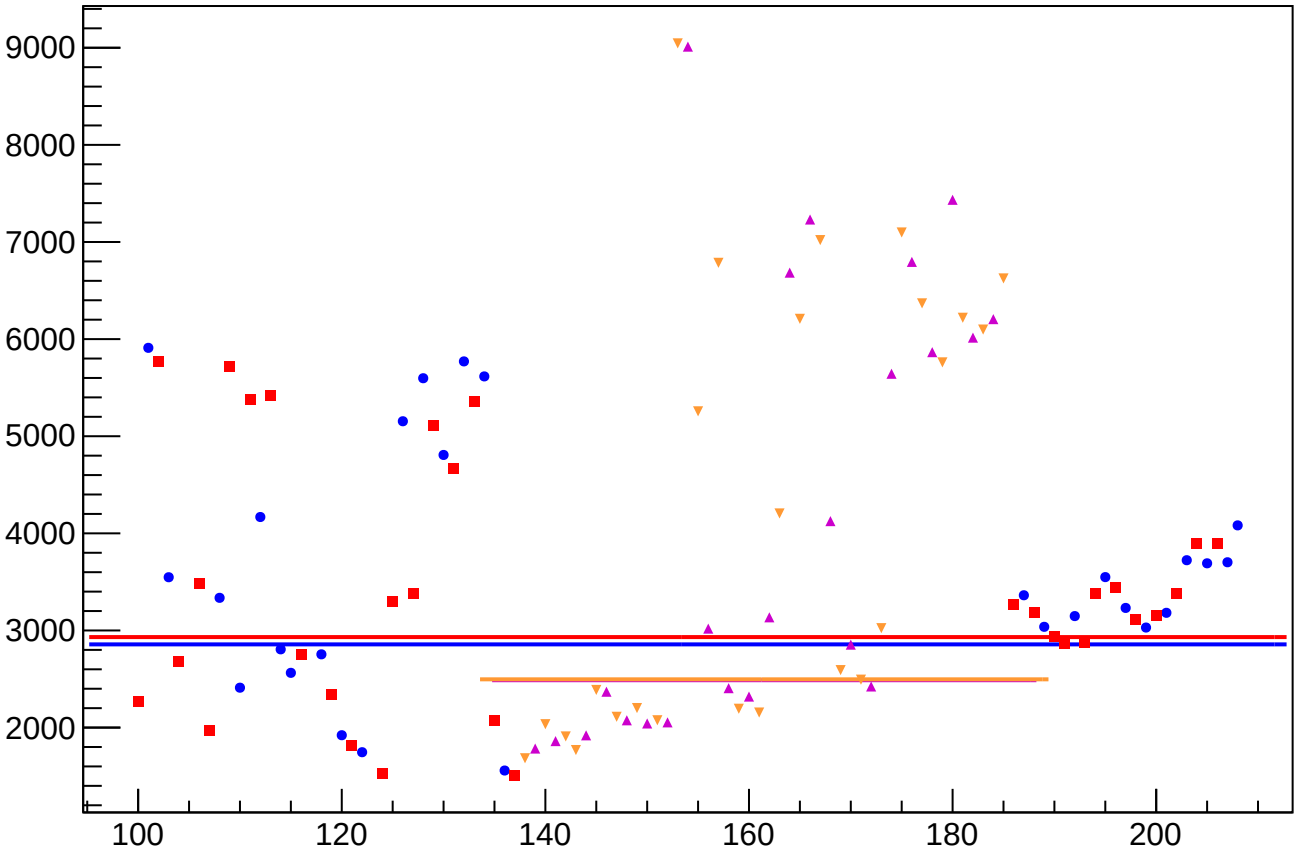
Right Out: 1.921+/-0.770 χ^2/NDF: 840.0/30

Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

\+ sign 10.143+/-0.500 χ^2/NDF: 1427.9/51

All: 9.096+/-0.354 χ^2/NDF: 2758.6/105

\- sign 8.045+/-0.501 χ^2/NDF: 1321.9/53



Right In: 2856.696+/-0.550 χ^2/NDF: 3720189.6/26

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

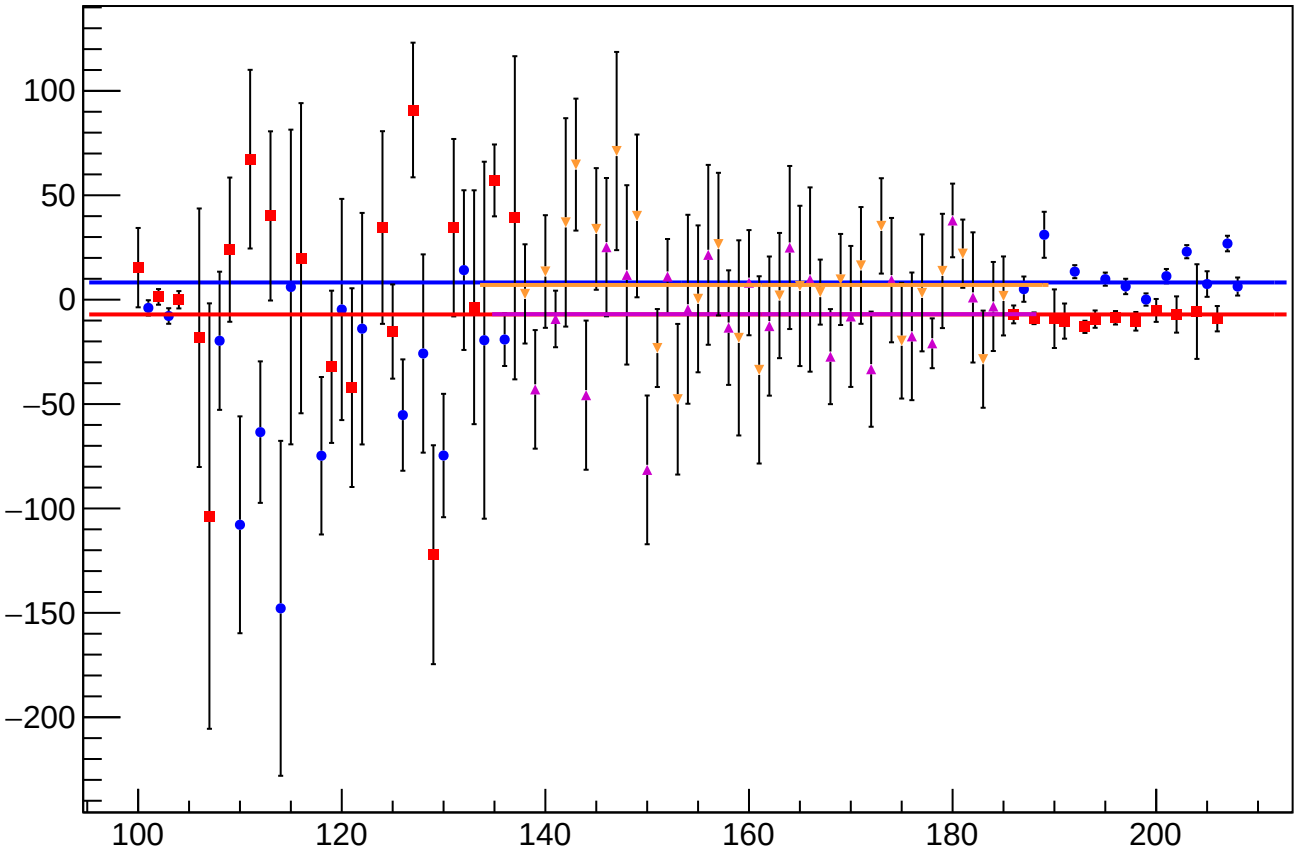
Right Out: 2931.864+/-0.544 χ^2/NDF: 3072418.8/30

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2645.817+/-0.354 χ^2/NDF: 11177080.7/51

All: 2660.894+/-0.250 χ^2/NDF: 20739995.6/1

- sign 2676.031+/-0.354 χ^2/NDF: 9559275.5/53



Right In: 8.245+/-1.040 χ^2/NDF: 130.7/26

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: -7.071+/-1.161 χ^2/NDF: 52.8/30

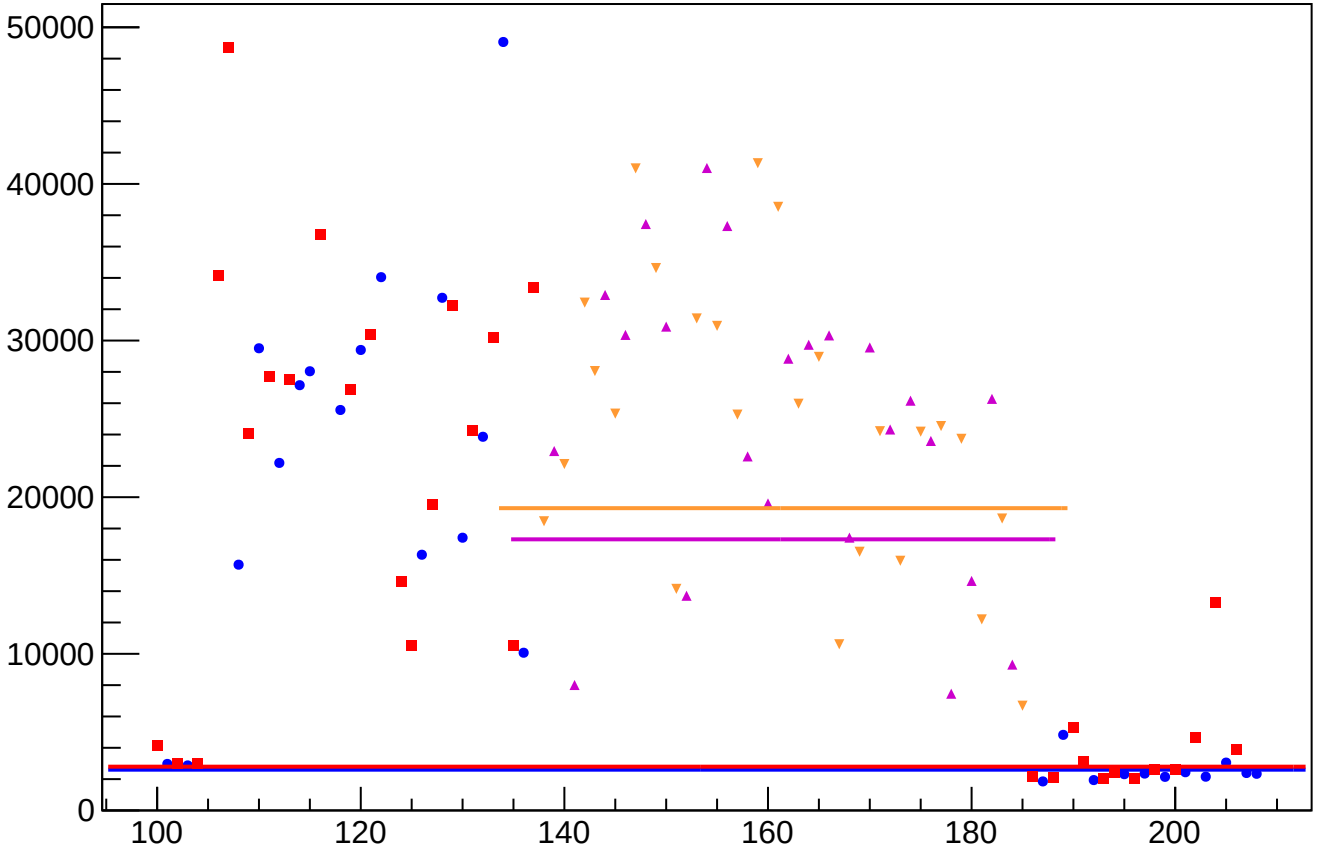
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 8.200+/-1.020 χ^2/NDF: 150.3/51

All: 1.361+/-0.758 χ^2/NDF: 324.6/105

- sign -7.064+/-1.132 χ^2/NDF: 73.9/53

diff_bpm0l03X_rms vs Slug



Right In: 2604.007+/-0.735 χ^2/NDF: 7944713.4/26

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2795.082+/-0.821 χ^2/NDF: 9402062.9/30

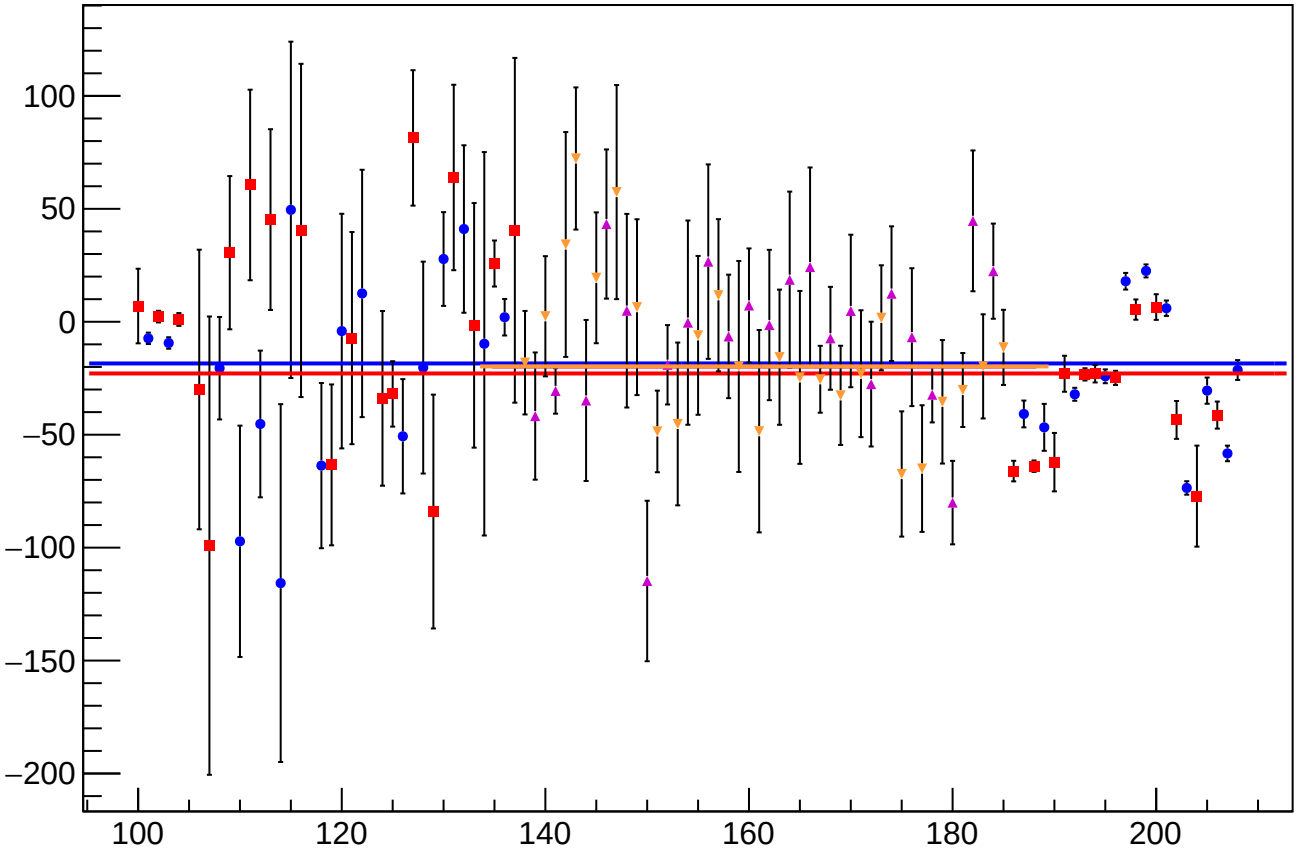
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 3239.566+/-0.721 χ^2/NDF: 32605299.8/51

All: 3362.035+/-0.536 χ^2/NDF: 64246275.8/1

- sign 3512.918+/-0.801 χ^2/NDF: 31576613.2/53

diff_bpm0l03Y_mean vs Slug



Right In: -18.453+/-0.928 χ^2/NDF: 932.2/26

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

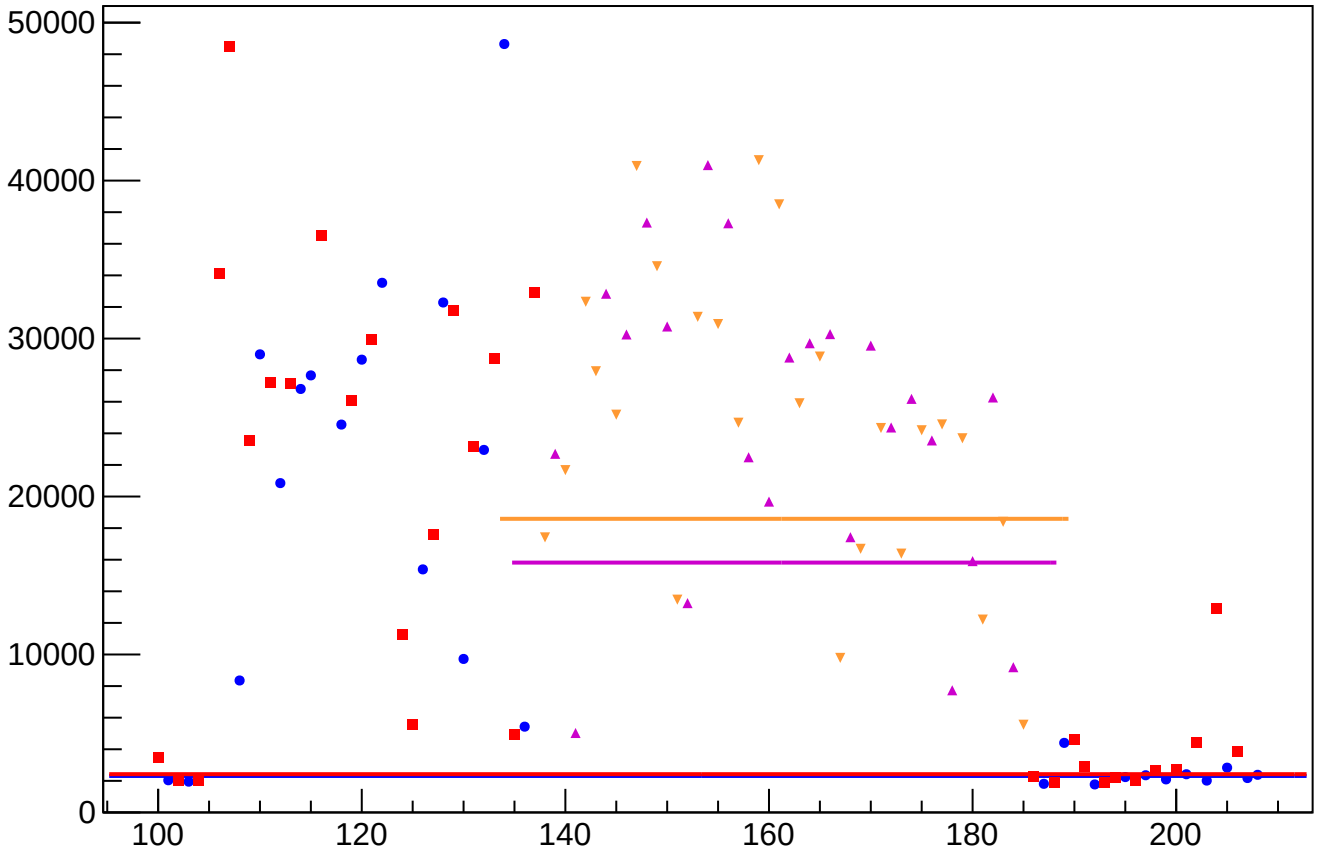
Right Out: -22.885+/-1.022 χ^2/NDF: 675.6/30

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -18.495+/-0.913 χ^2/NDF: 960.0/51

All: -20.433+/-0.674 χ^2/NDF: 1686.2/105

- sign -22.755+/-1.000 χ^2/NDF: 716.3/53



Right In: 2311.785+/-0.656 χ^2/NDF: 7067126.3/26

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2423.345+/-0.723 χ^2/NDF: 9010577.4/30

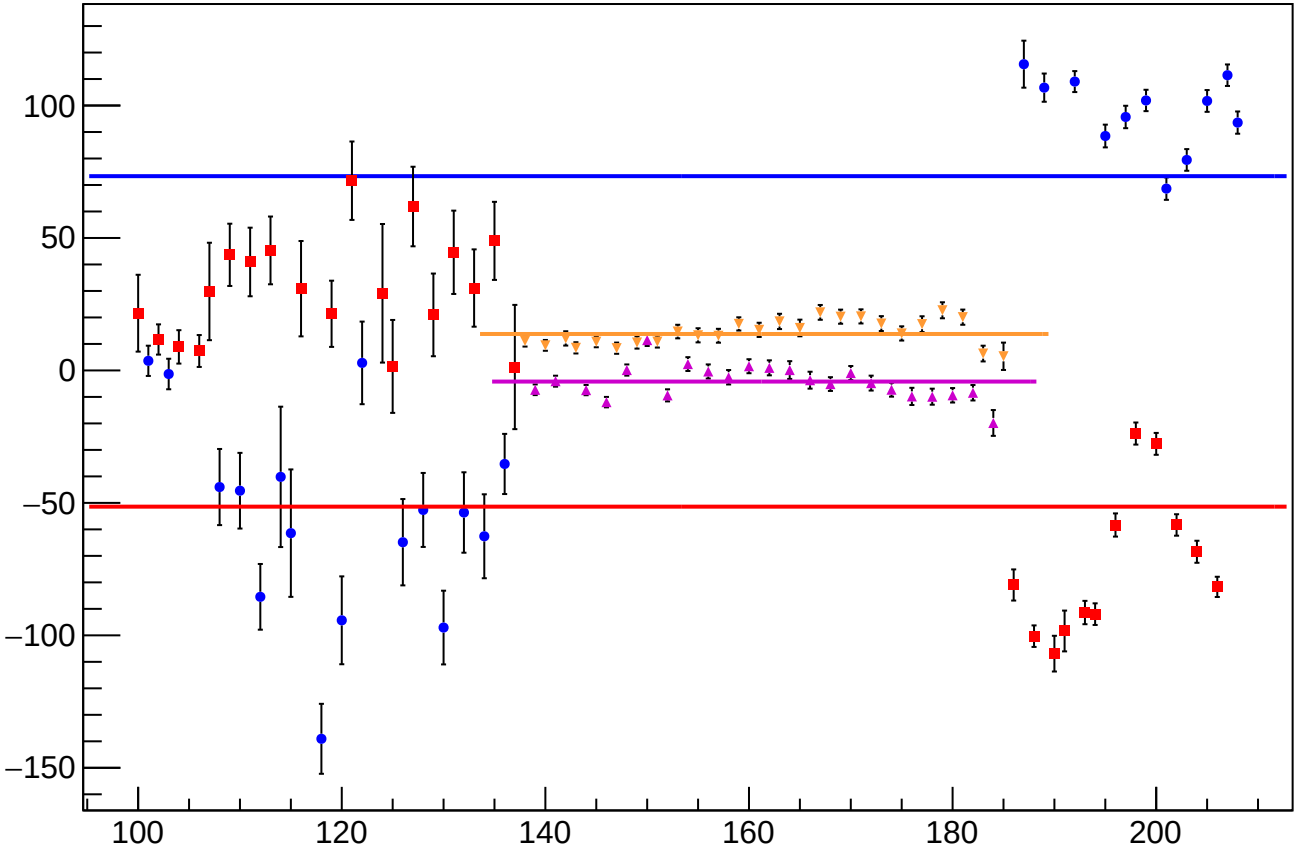
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 2830.521+/-0.646 χ^2/NDF: 32360985.9/51

All: 2904.724+/-0.477 χ^2/NDF: 64438721.8/1

- sign 2993.633+/-0.707 χ^2/NDF: 32048722.5/53

diff_bpm0l04X_mean vs Slug



Right In: 73.333+/-1.196 χ^2/NDF: 1982.5/26

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -51.419+/-1.156 χ^2/NDF: 1486.8/30

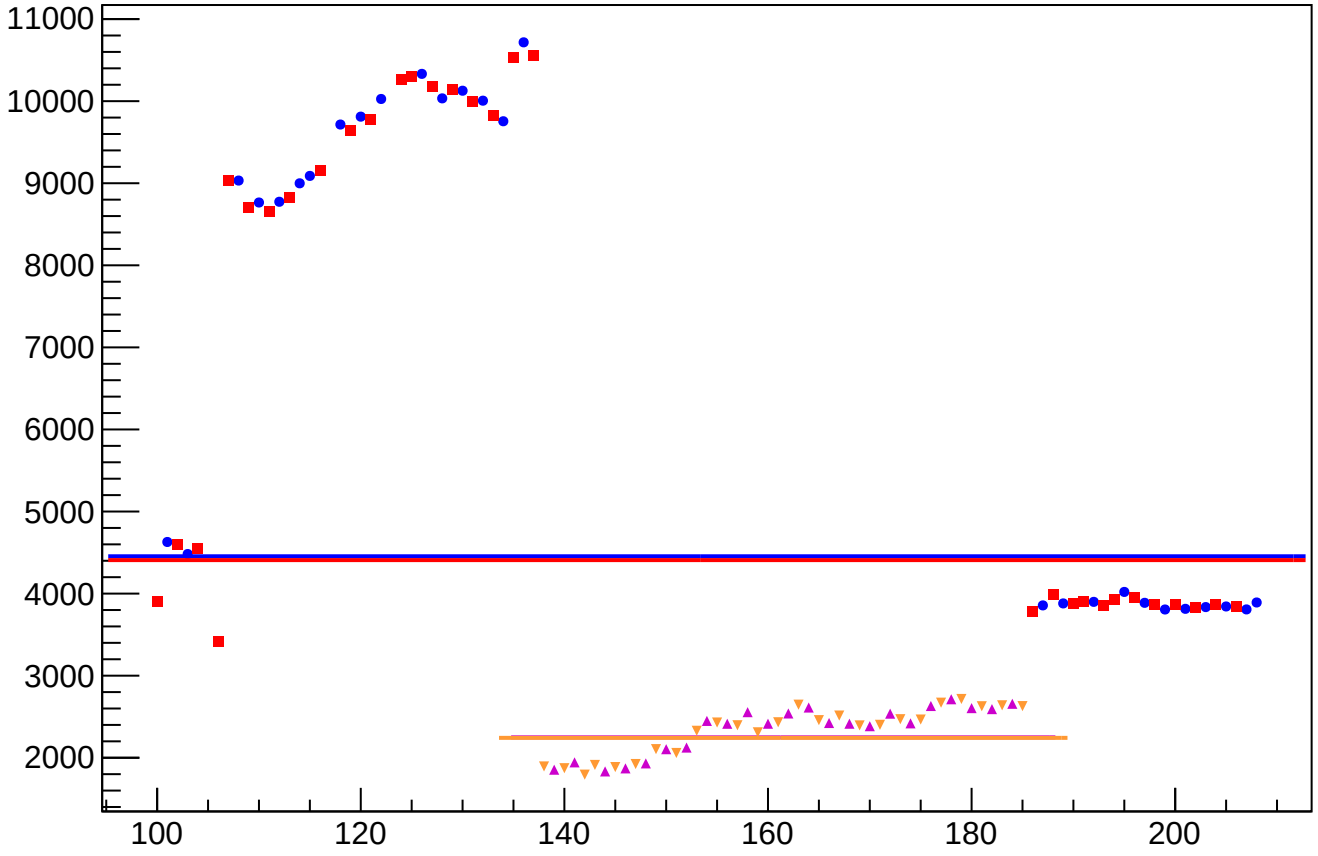
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 23.050+/-0.472 χ^2/NDF: 4154.1/51

All: 5.677+/-0.337 χ^2/NDF: 9906.0/105

- sign -12.408+/-0.482 χ^2/NDF: 2989.7/53

diff_bpm0l04X_rms vs Slug



Right In: 4454.730+/-0.846 χ^2/NDF: 3957606.1/26

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4408.090+/-0.817 χ^2/NDF: 3896774.3/30

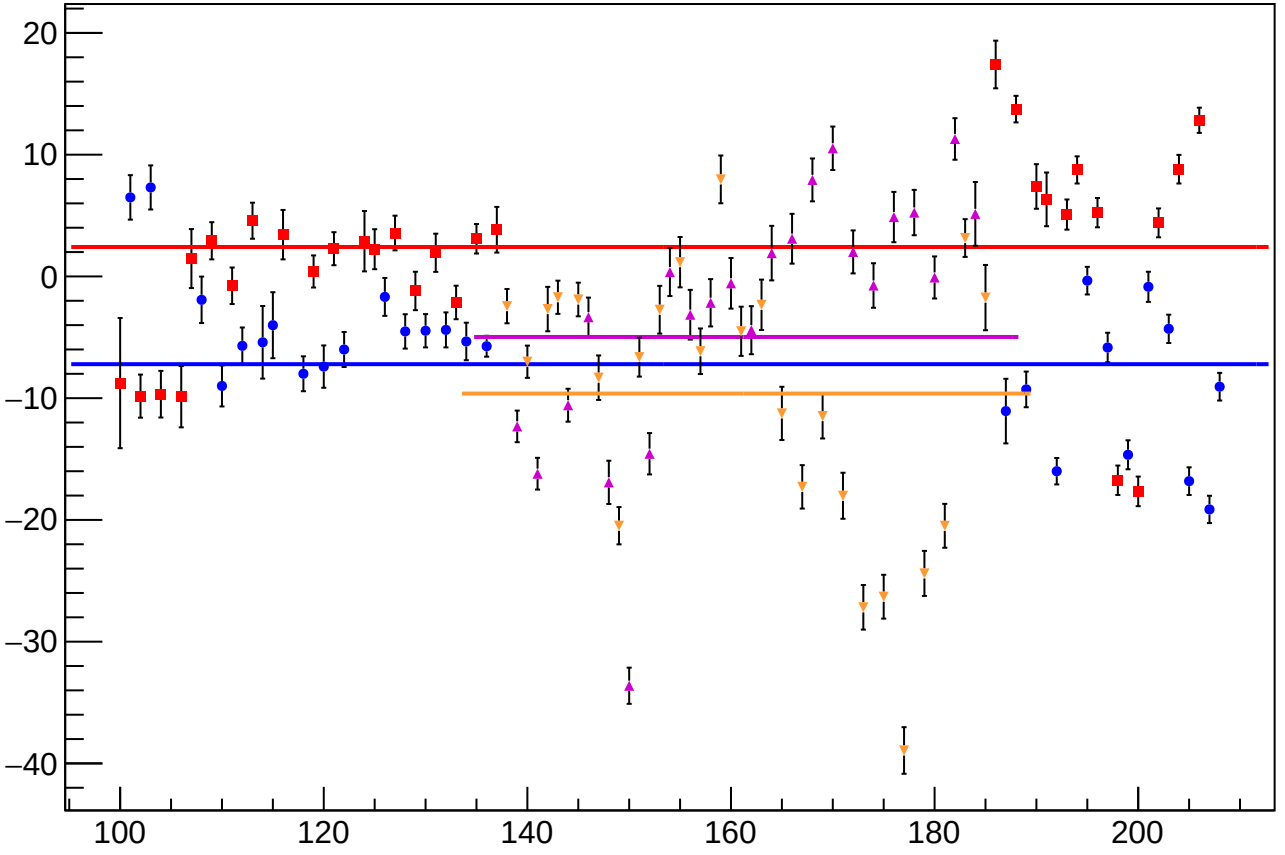
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2587.295+/-0.334 χ^2/NDF: 10392813.4/51

All: 2605.218+/-0.238 χ^2/NDF: 20706663.8/1

- sign 2623.876+/-0.341 χ^2/NDF: 10307970.3/53

diff_bpm0l04Y_mean vs Slug



Right In: -7.208+/-0.265 χ^2/NDF: 527.9/26

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

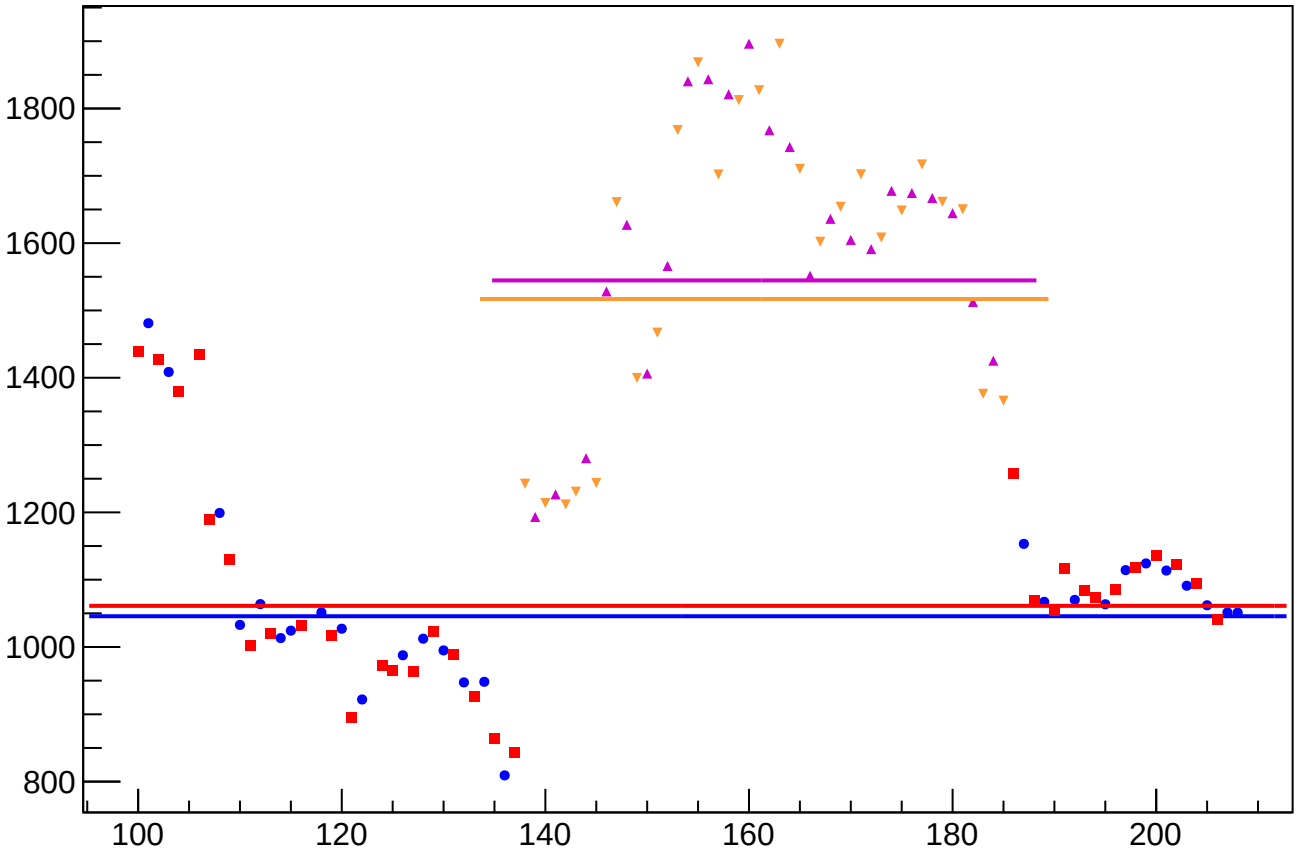
Right Out: 2.417+/-0.263 χ^2/NDF: 1020.5/30

Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -8.088+/-0.211 χ^2/NDF: 1492.5/51

All: -4.147+/-0.150 χ^2/NDF: 4420.1/105

- sign -0.113+/-0.213 χ^2/NDF: 2220.5/53



Right In: 1045.693+/-0.187 χ^2/NDF: 428240.3/26

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1061.119+/-0.186 χ^2/NDF: 406886.9/30

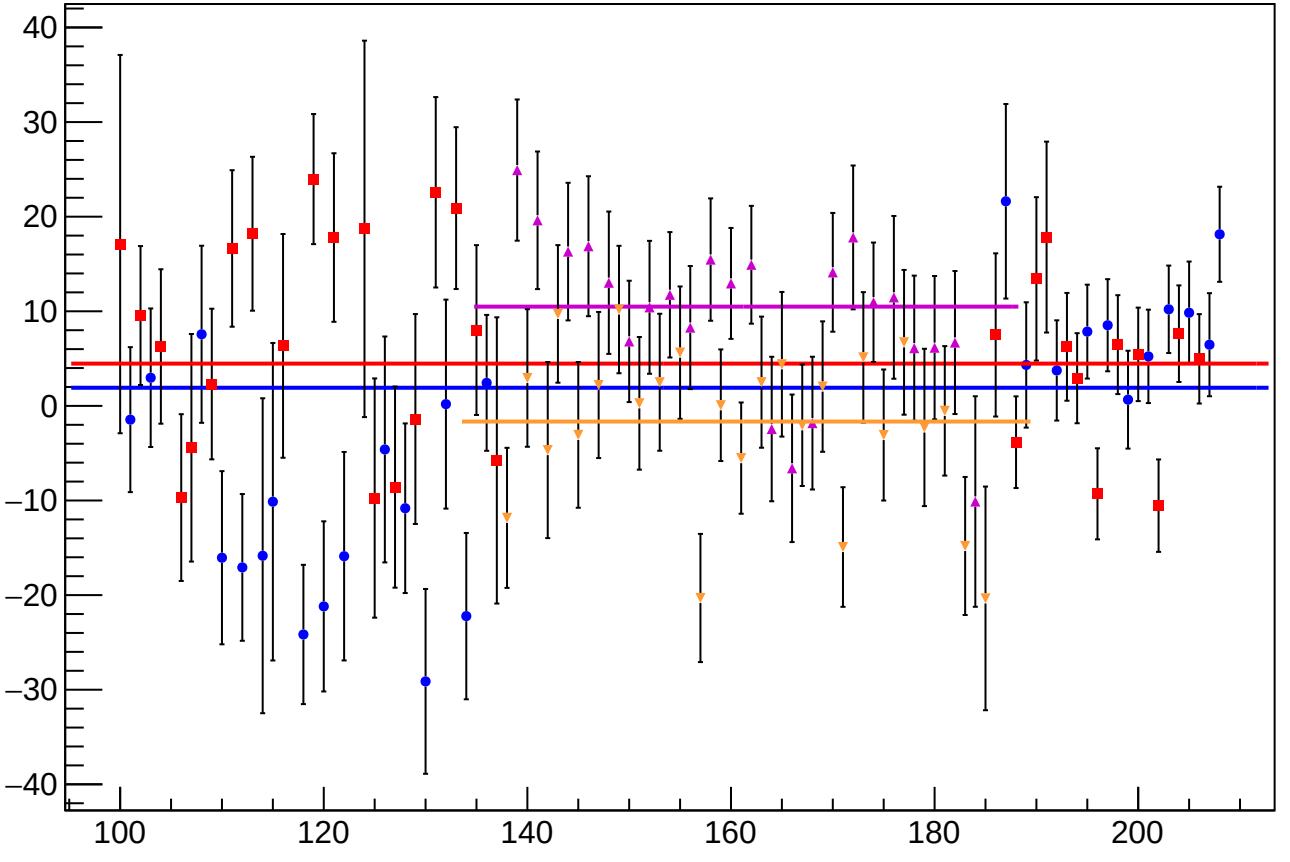
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1217.623+/-0.149 χ^2/NDF: 3576817.5/51

All: 1222.063+/-0.106 χ^2/NDF: 6937320.7/10

- sign 1226.606+/-0.151 χ^2/NDF: 3358709.4/53

diff_bpm0l05X_mean vs Slug



Right In: 1.917+/-1.318 χ^2/NDF: 78.0/26

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

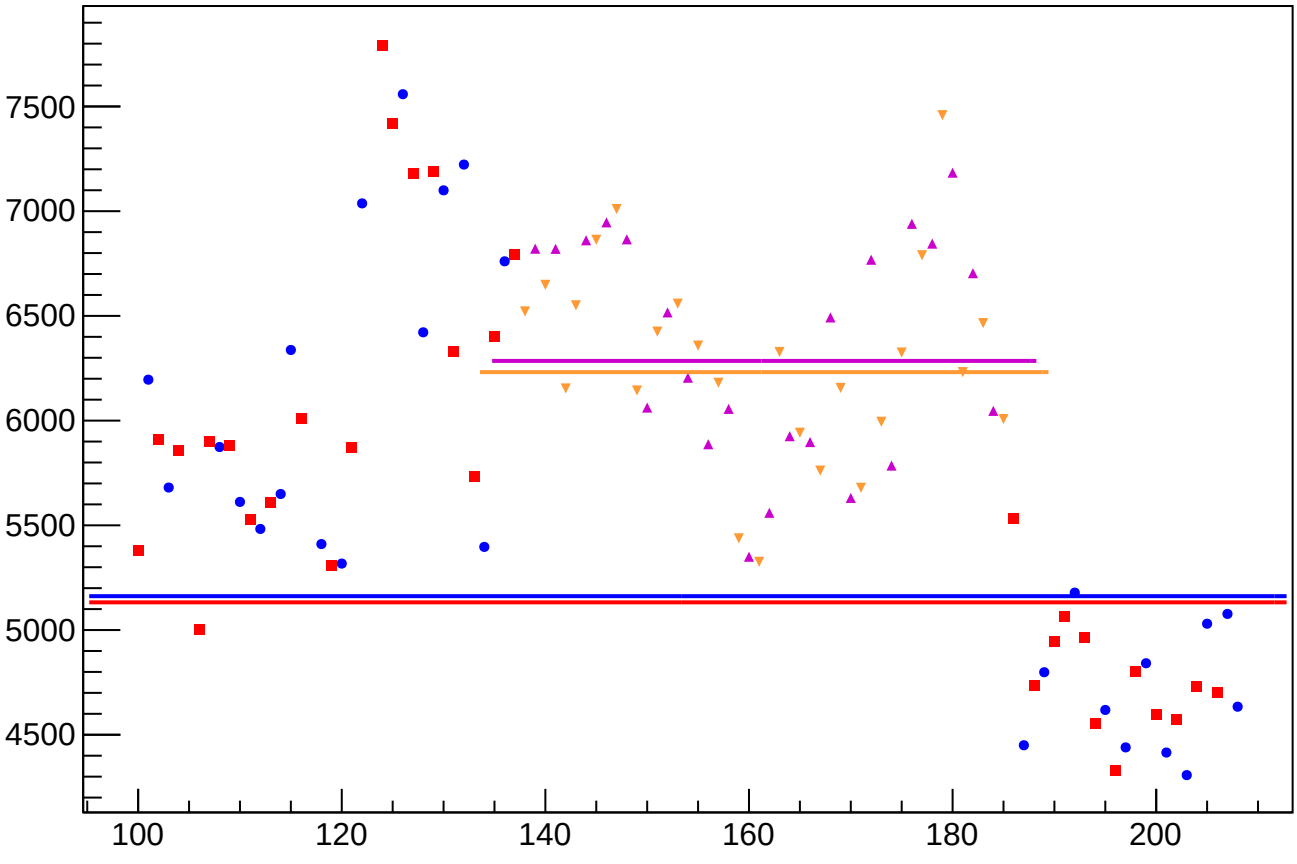
Right Out: 4.470+/-1.282 χ^2/NDF: 54.9/30

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign 0.272+/-0.968 χ^2/NDF: 112.9/51

All: 3.659+/-0.685 χ^2/NDF: 226.6/105

- sign 7.053+/-0.969 χ^2/NDF: 89.2/53



Right In: 5161.706+/-0.932 χ^2/NDF: 736773.1/26

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5132.241+/-0.907 χ^2/NDF: 641546.1/30

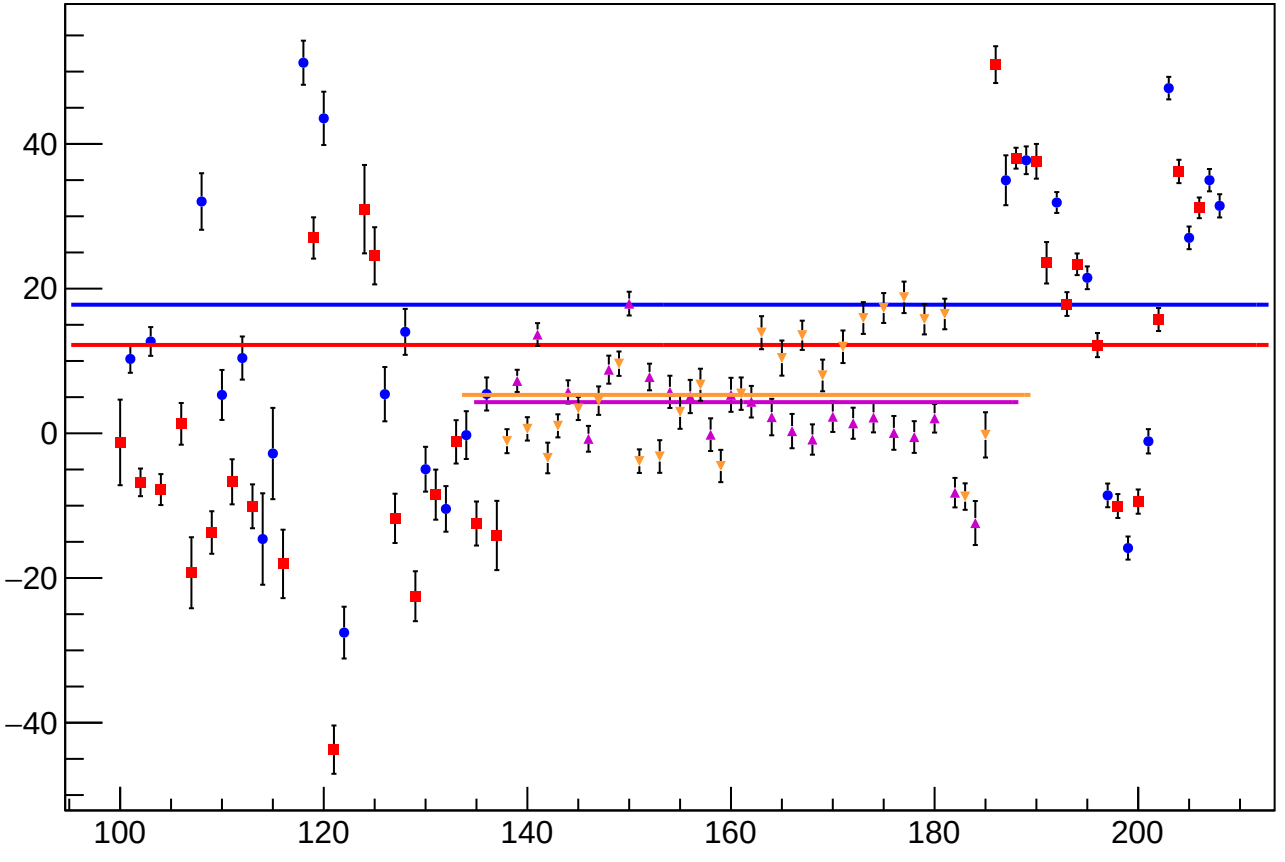
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5654.458+/-0.684 χ^2/NDF: 1570753.7/51

All: 5640.539+/-0.484 χ^2/NDF: 3171862.9/10

- sign 5626.592+/-0.685 χ^2/NDF: 1600281.4/53

diff_bpm0l05Y_mean vs Slug



Right In: 17.779+/-0.417 χ^2/NDF: 2290.6/26

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

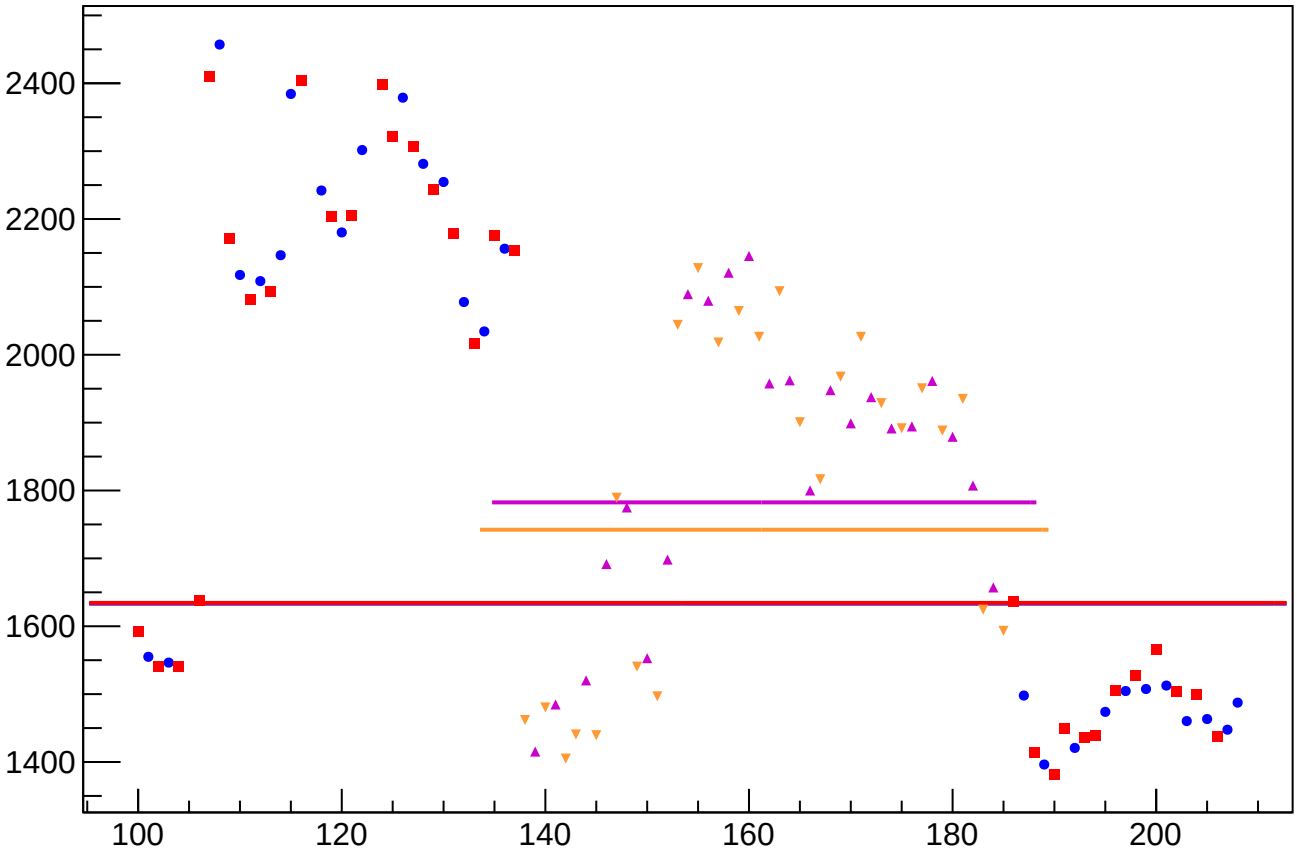
Right Out: 12.217+/-0.409 χ^2/NDF: 2583.5/30

Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

\+ sign 11.287+/-0.289 χ^2/NDF: 3133.3/51

All: 9.848+/-0.206 χ^2/NDF: 6169.4/105

\- sign 8.368+/-0.293 χ^2/NDF: 2985.8/53



Right In: 1633.386+/-0.295 χ^2/NDF: 1064212.6/26

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1634.366+/-0.289 χ^2/NDF: 1033694.3/30

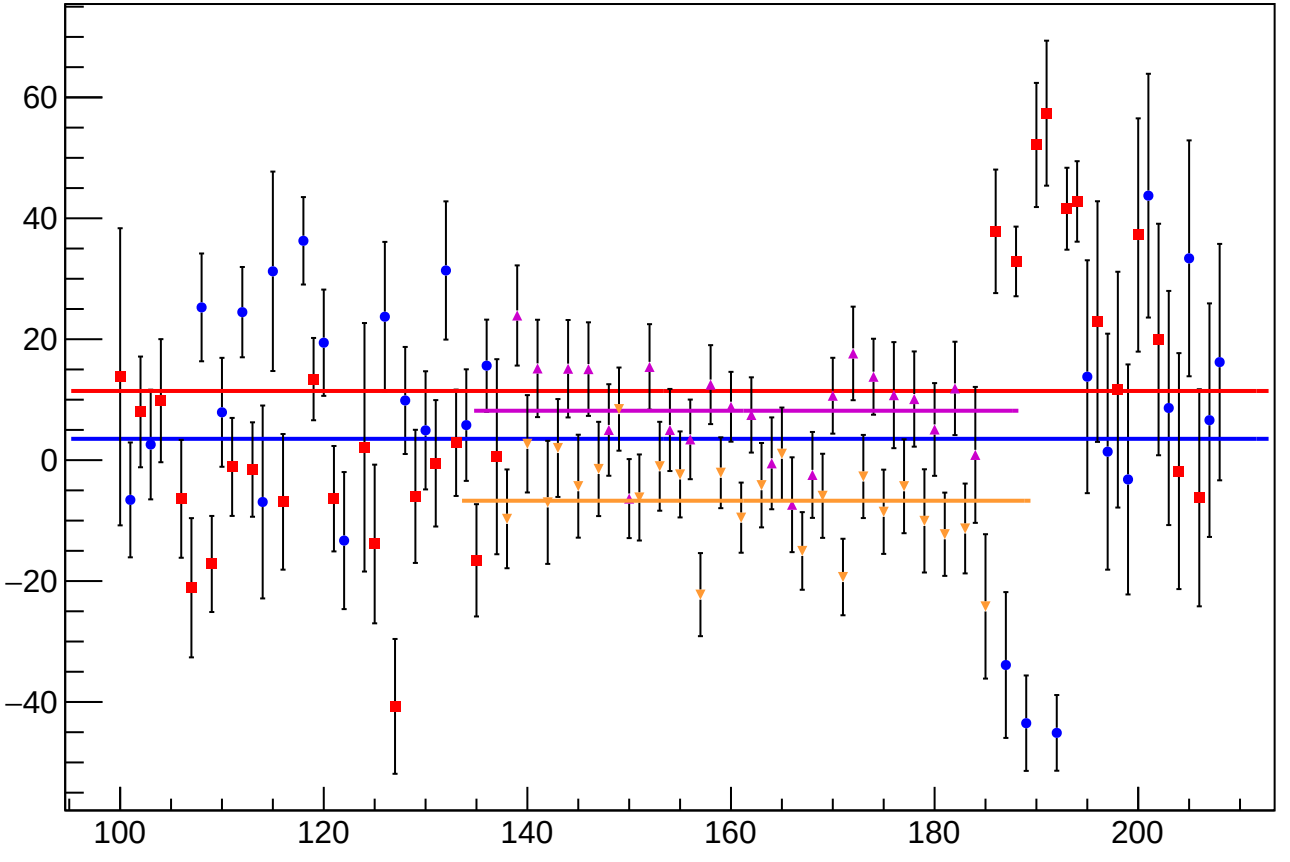
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1690.062+/-0.204 χ^2/NDF: 1902703.2/51

All: 1698.149+/-0.145 χ^2/NDF: 3601598.6/10

- sign 1706.472+/-0.207 χ^2/NDF: 1695715.7/53

diff_bpm0l06X_mean vs Slug



Right In: 3.526+/-2.002 χ^2/NDF: 168.9/26

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: 11.441+/-1.795 χ^2/NDF: 173.3/30

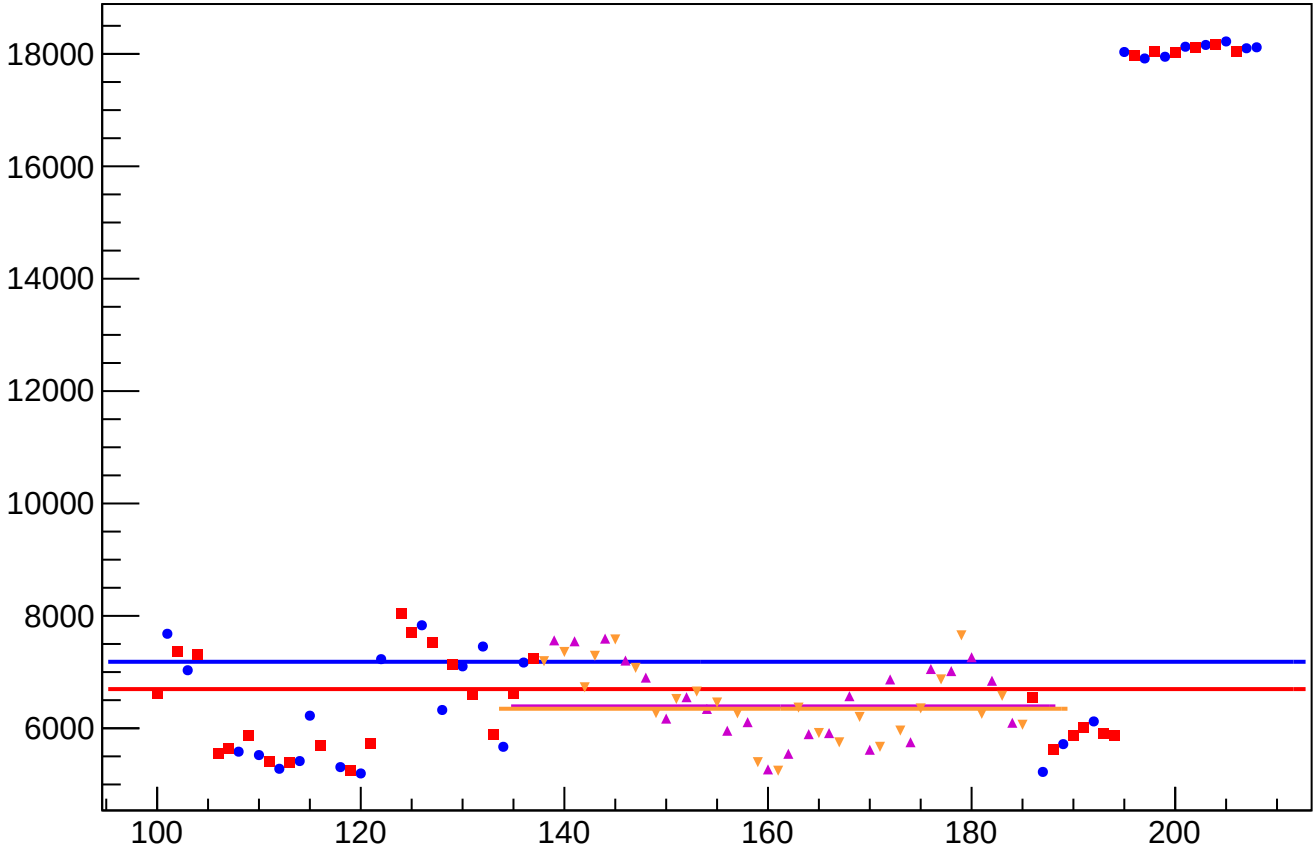
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -3.165+/-1.178 χ^2/NDF: 211.7/51

All: 3.305+/-0.825 χ^2/NDF: 470.2/105

- sign 9.526+/-1.156 χ^2/NDF: 199.4/53

diff_bpm0l06X_rms vs Slug



Right In: 7183.088+/-1.416 χ^2/NDF: 5812493.4/26

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6697.116+/-1.270 χ^2/NDF: 4731219.5/30

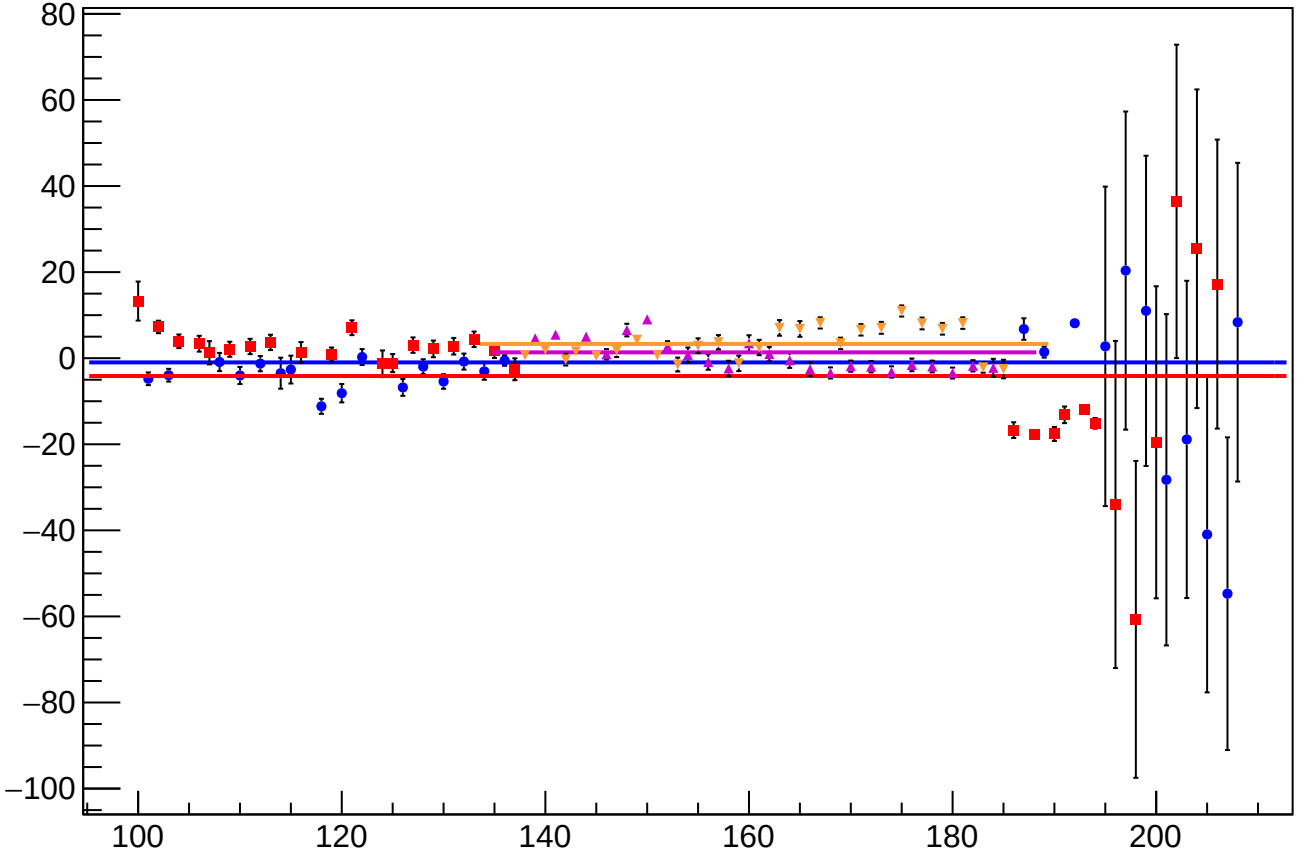
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6636.876+/-0.833 χ^2/NDF: 6426314.2/51

All: 6575.712+/-0.583 χ^2/NDF: 11622263.6/1

- sign 6516.897+/-0.817 χ^2/NDF: 5185381.2/53

diff_bpm0l06Y_mean vs Slug



Right In: -0.980+/-0.386 χ^2/NDF: 183.5/26

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -4.146+/-0.342 χ^2/NDF: 749.8/30

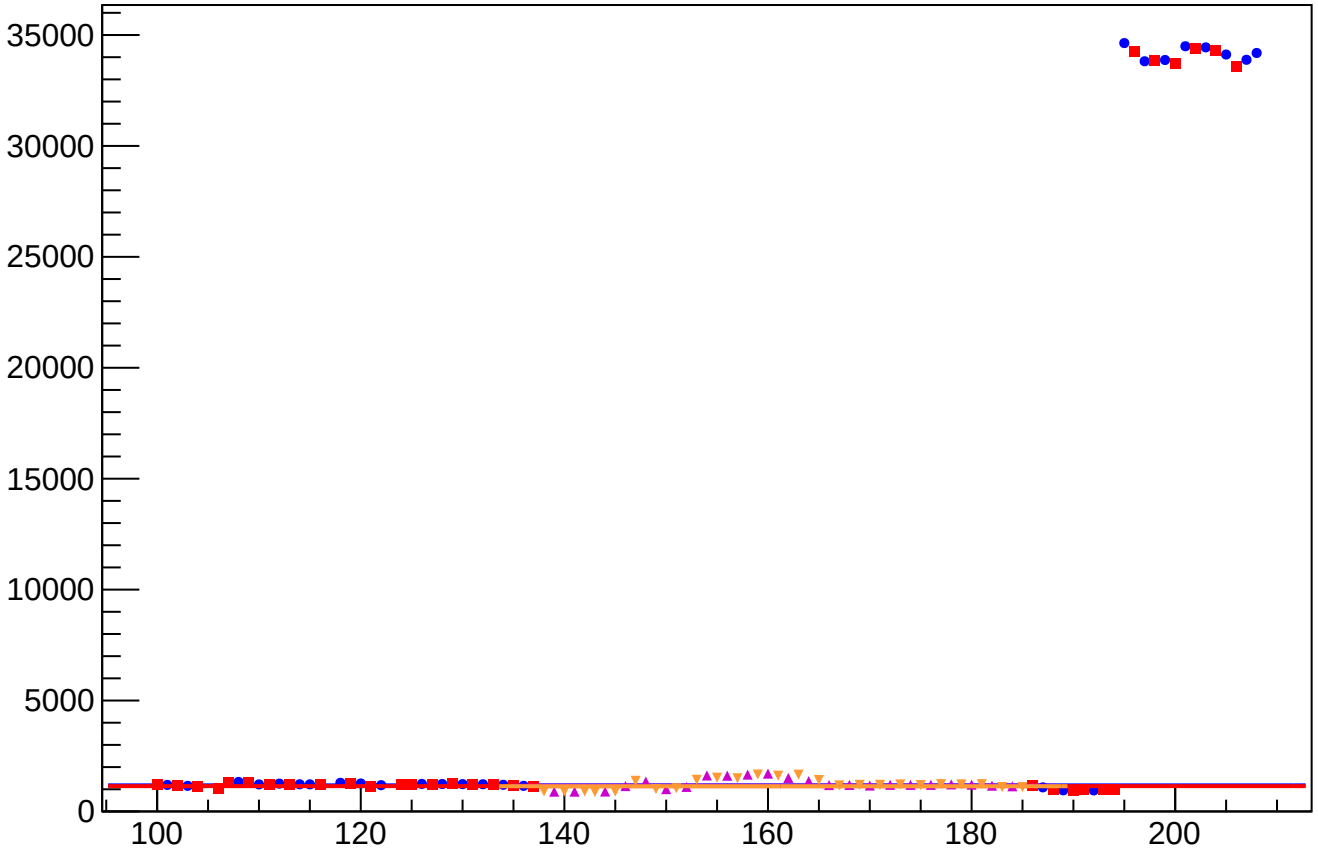
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.940+/-0.218 χ^2/NDF: 445.6/51

All: 0.540+/-0.153 χ^2/NDF: 1629.3/105

- sign -0.821+/-0.215 χ^2/NDF: 1102.5/53

diff_bpm0l06Y_rms vs Slug



Right In: 1176.594+/-0.273 χ^2/NDF: 12994585.8/26

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

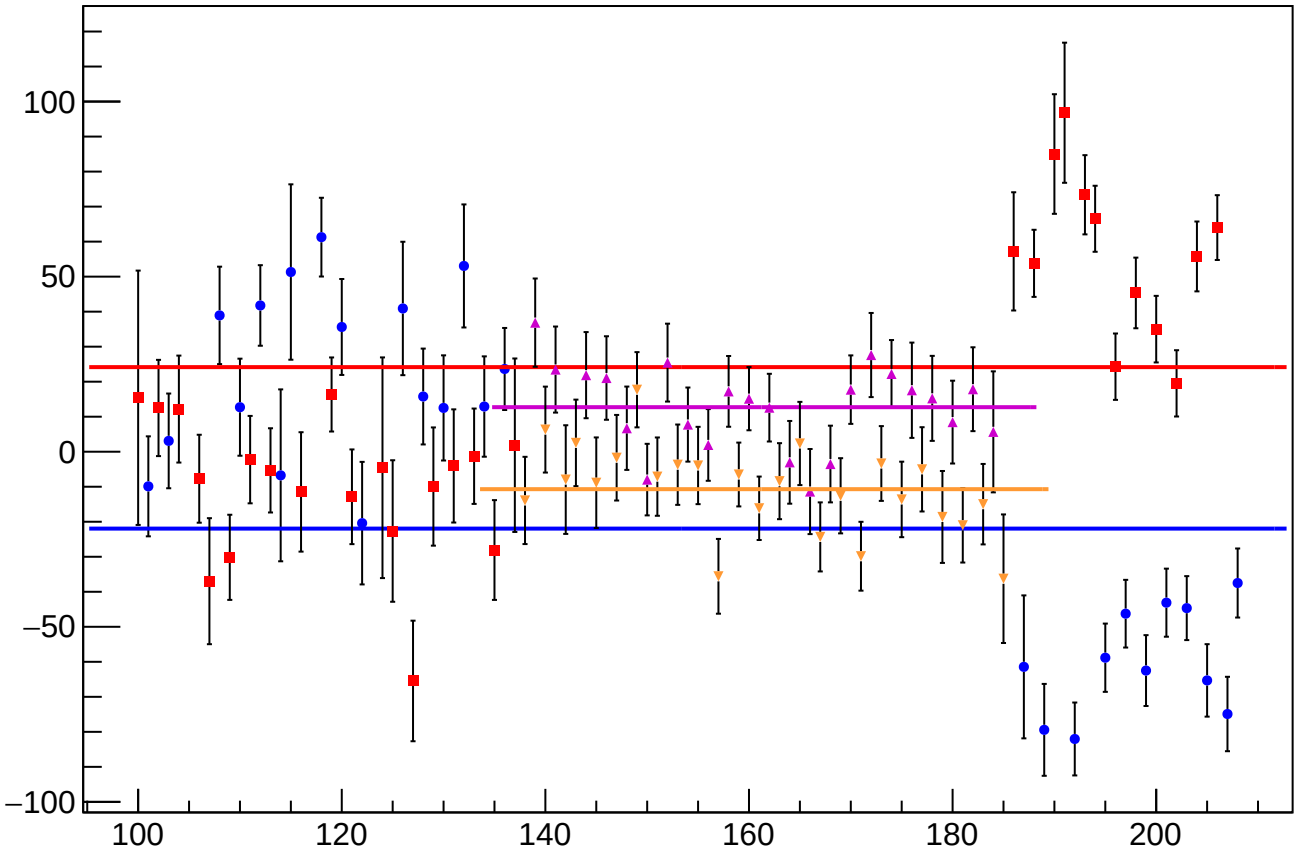
Right Out: 1140.782+/-0.242 χ^2/NDF: 10076582.9/30

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1149.753+/-0.154 χ^2/NDF: 14478489.7/51

All: 1150.920+/-0.108 χ^2/NDF: 25818573.8/1

- sign 1152.055+/-0.152 χ^2/NDF: 11339971.2/53



Right In: -21.958+/-2.387 χ^2/NDF: 353.4/26

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: 24.158+/-2.305 χ^2/NDF: 233.4/30

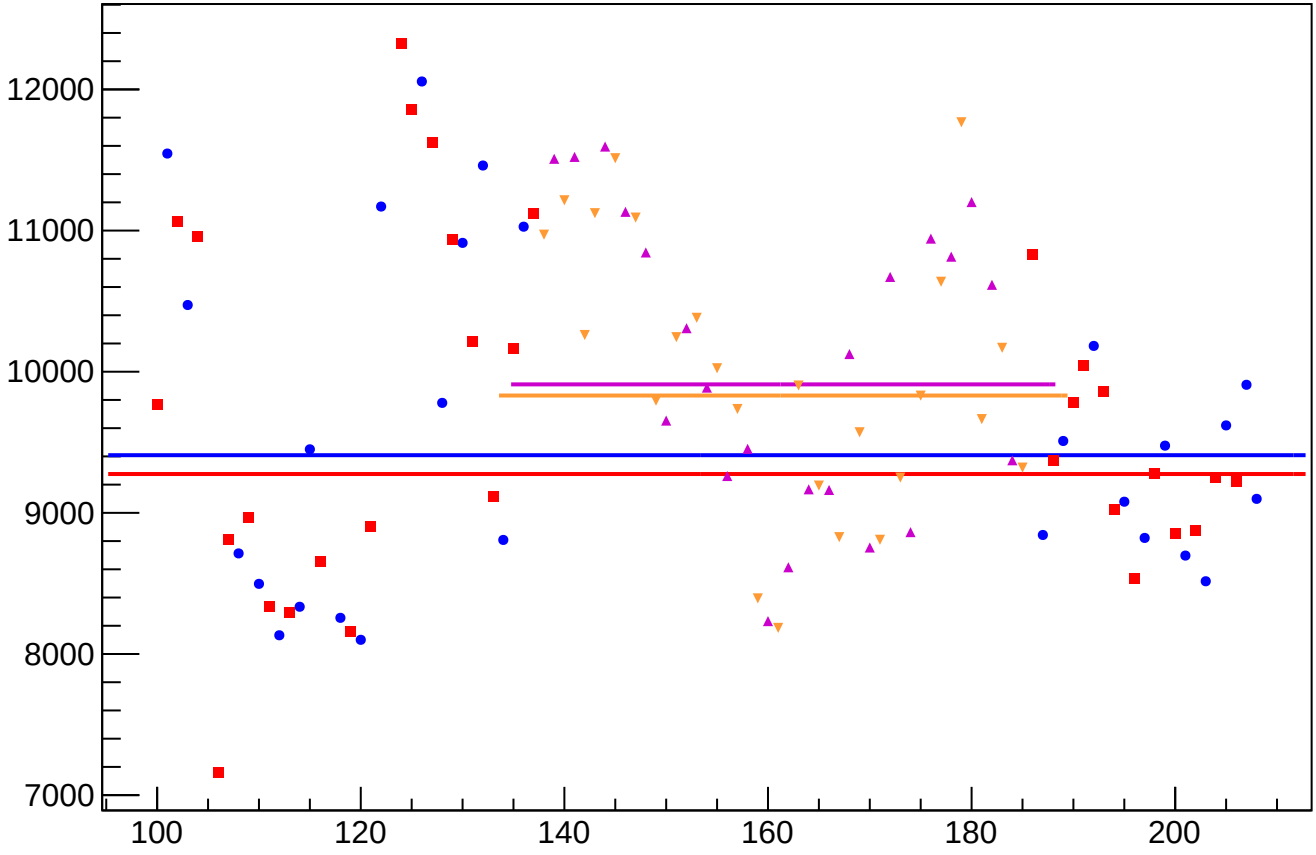
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -16.012+/-1.640 χ^2/NDF: 393.8/51

All: 1.232+/-1.161 χ^2/NDF: 884.8/105

- sign 18.526+/-1.643 χ^2/NDF: 269.5/53

diff_bpm0l07X_rms vs Slug



Right In: 9408.585+/-1.688 χ^2/NDF: 347437.9/26

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9275.165+/-1.630 χ^2/NDF: 351286.8/30

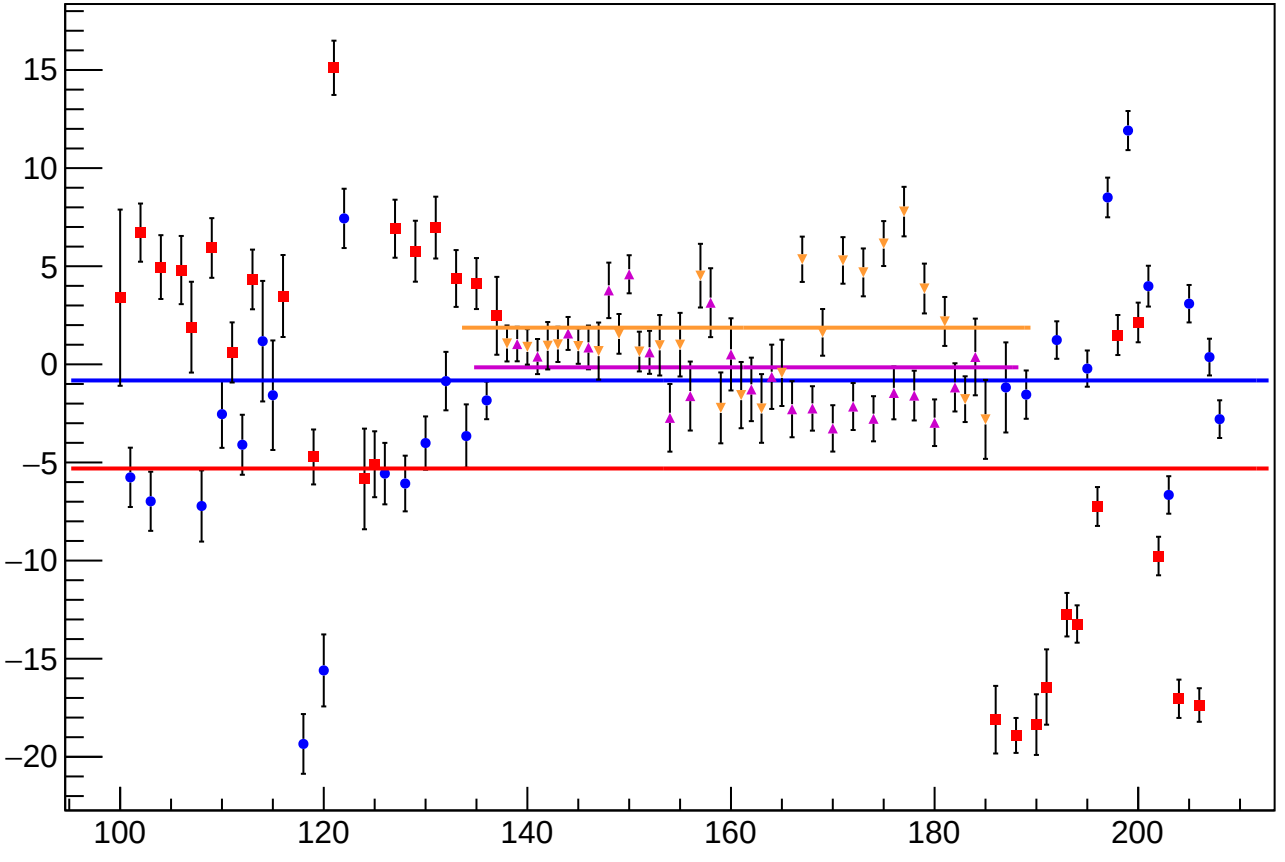
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9631.772+/-1.160 χ^2/NDF: 736670.8/51

All: 9609.863+/-0.821 χ^2/NDF: 1552780.2/10

- sign 9587.889+/-1.161 χ^2/NDF: 815394.6/53

diff_bpm0l07Y_mean vs Slug



Right In: -0.821+/-0.241 χ^2/NDF: 656.4/26

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -5.307+/-0.238 χ^2/NDF: 1765.2/30

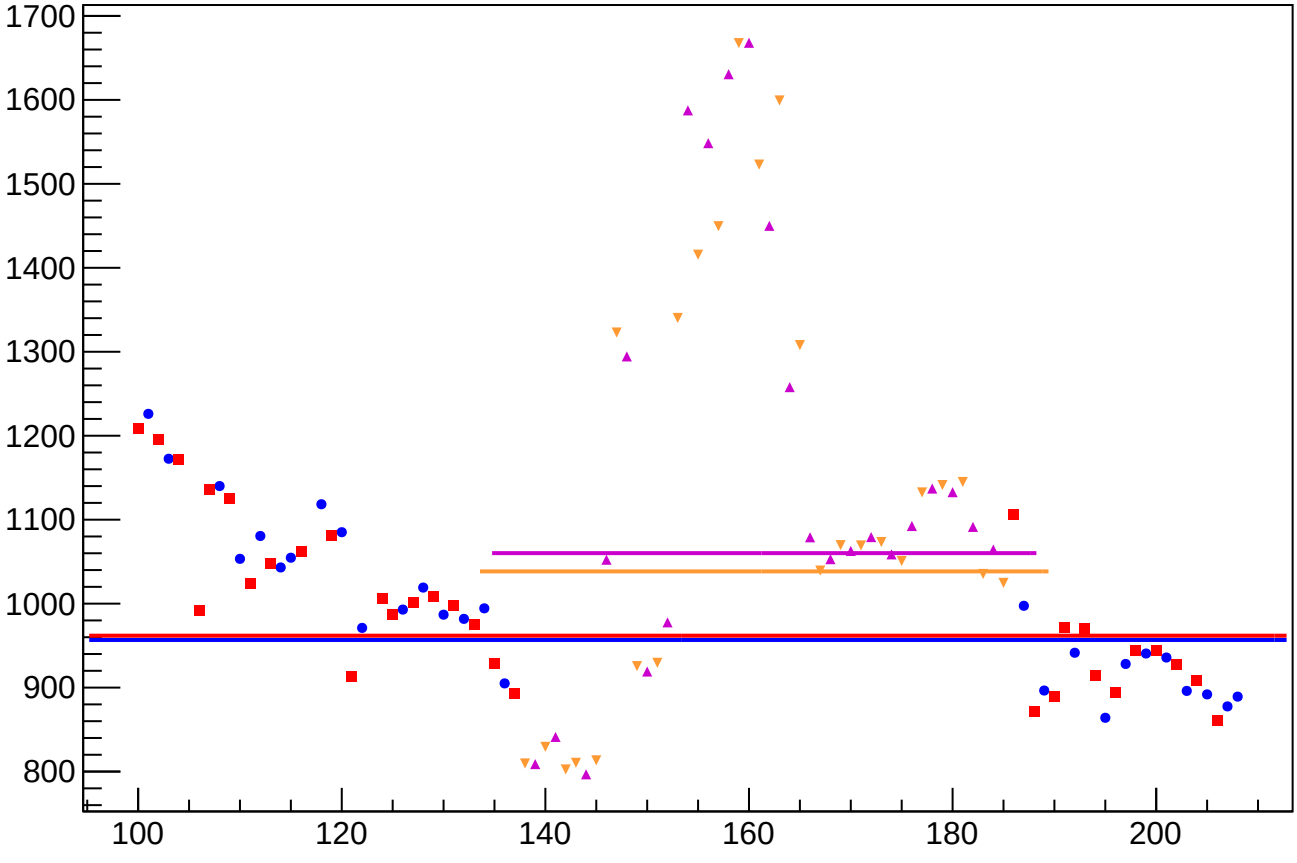
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.517+/-0.171 χ^2/NDF: 821.3/51

All: -1.167+/-0.122 χ^2/NDF: 3078.0/105

- sign -2.904+/-0.174 χ^2/NDF: 2059.9/53

diff_bpm0l07Y_rms vs Slug



Right In: 956.724+/-0.171 χ^2/NDF: 264814.6/26

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 961.830+/-0.168 χ^2/NDF: 255651.2/30

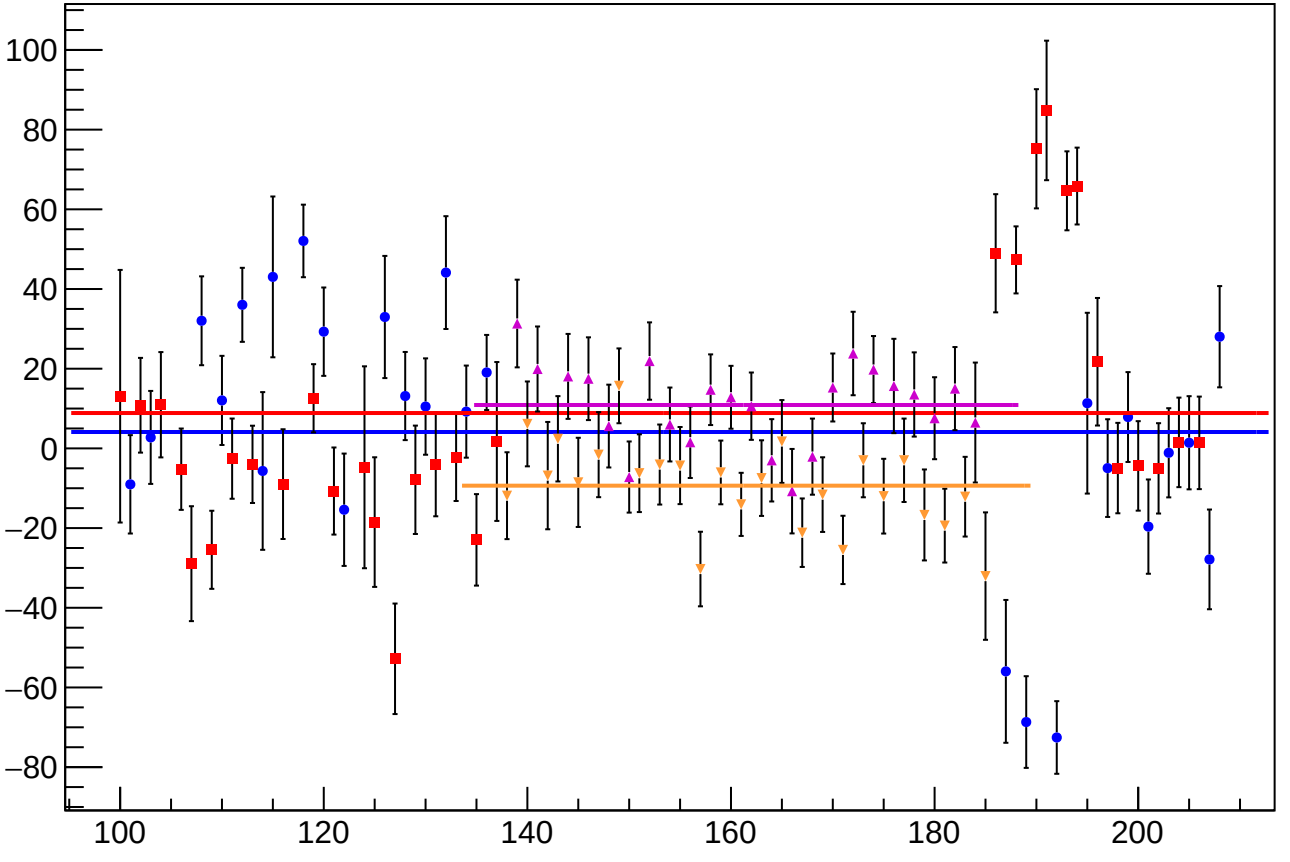
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 997.348+/-0.121 χ^2/NDF: 2085415.0/51

All: 1002.433+/-0.086 χ^2/NDF: 4027259.5/10

- sign 1007.676+/-0.123 χ^2/NDF: 1938257.8/53

diff_bpm0l08X_mean vs Slug



Right In: 4.113+/-2.300 χ^2/NDF: 210.8/26

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: 8.877+/-2.148 χ^2/NDF: 202.6/30

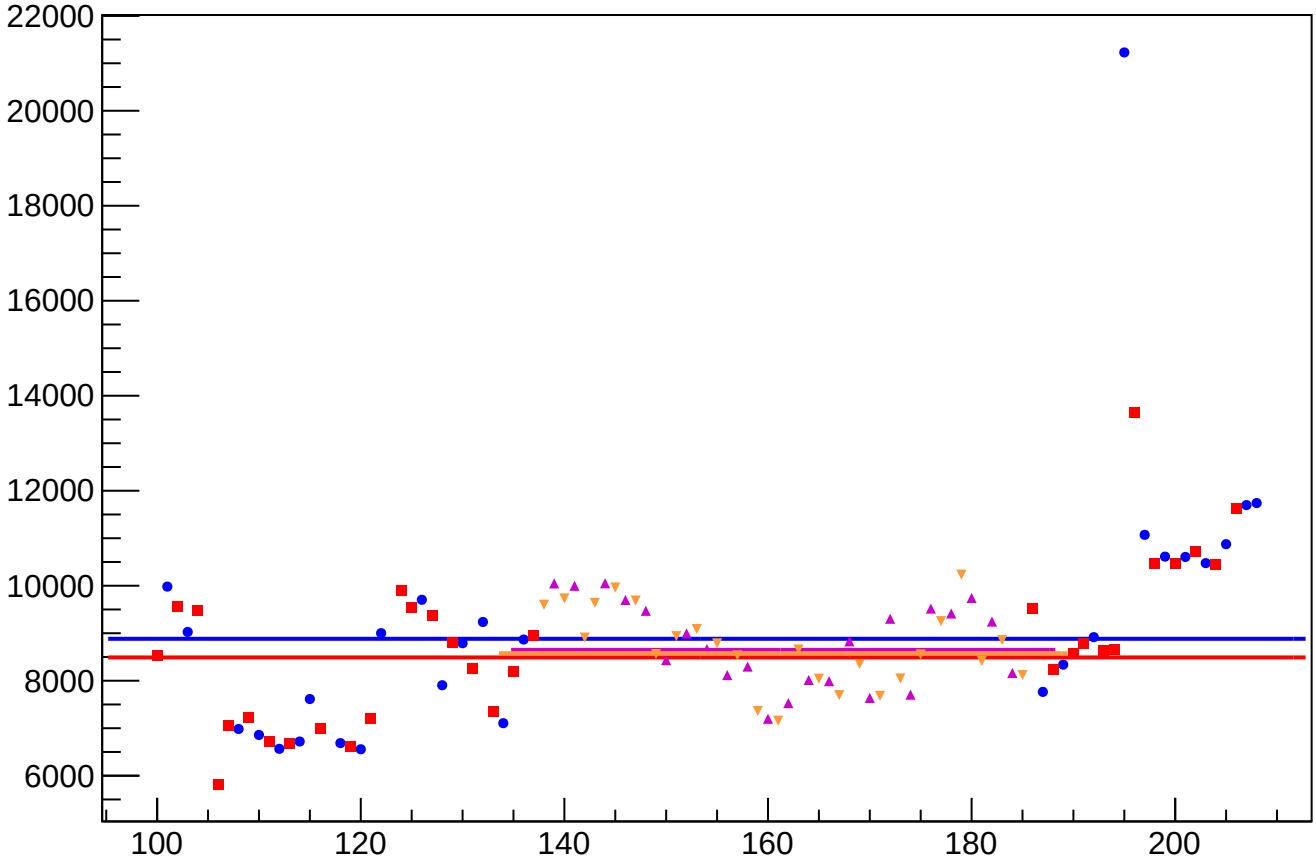
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -3.660+/-1.496 χ^2/NDF: 259.1/51

All: 3.209+/-1.052 χ^2/NDF: 527.4/105

- sign 9.935+/-1.480 χ^2/NDF: 226.6/53

diff_bpm0l08X_rms vs Slug



Right In: 8882.660+/-1.627 χ^2/NDF: 1629071.4/26

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8490.170+/-1.519 χ^2/NDF: 1171531.9/30

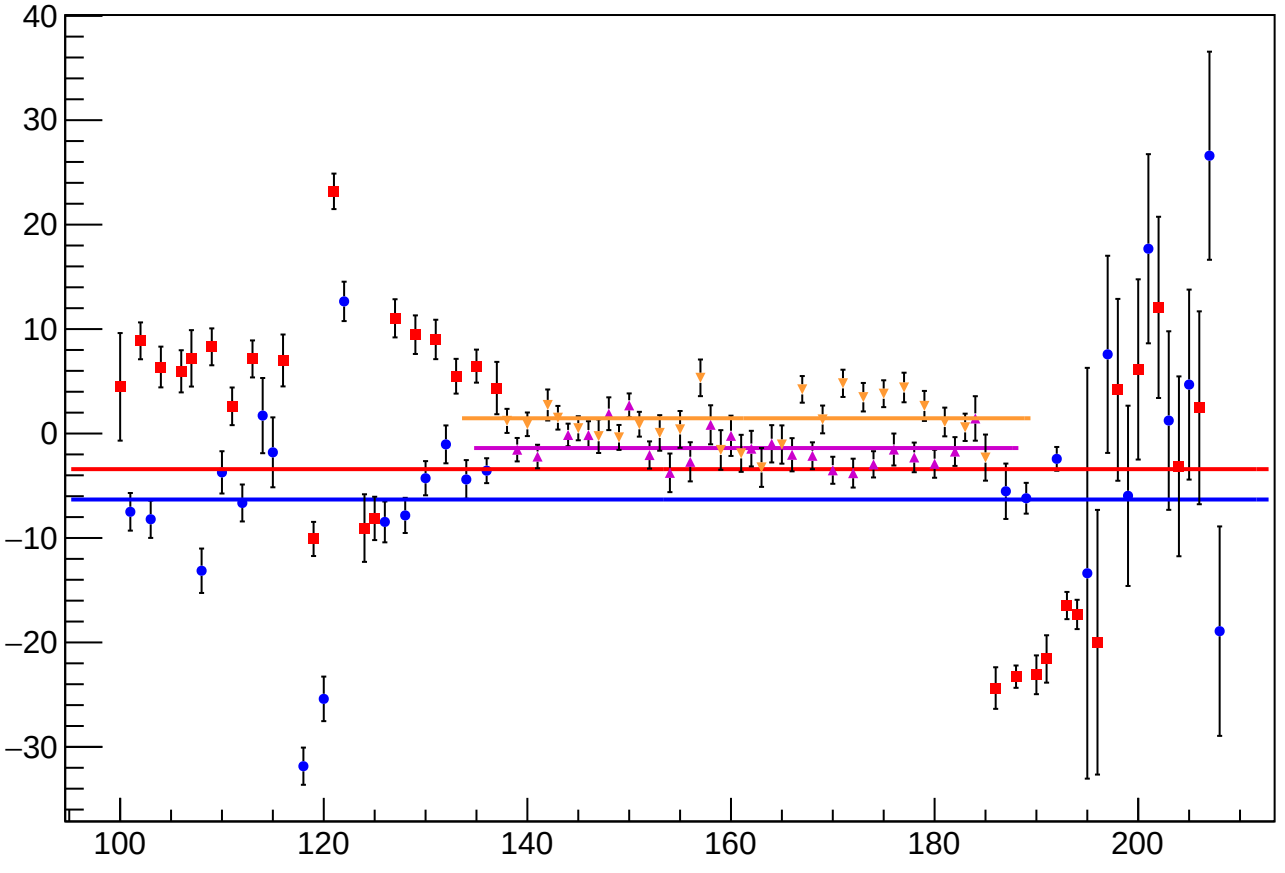
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8707.062+/-1.058 χ^2/NDF: 1992984.0/51

All: 8639.686+/-0.744 χ^2/NDF: 3556235.8/10

- sign 8573.715+/-1.047 χ^2/NDF: 1555222.4/53

diff_bpm0l08Y_mean vs Slug



Right In: -6.316+/-0.404 χ^2/NDF: 461.6/26

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -3.410+/-0.359 χ^2/NDF: 1561.5/30

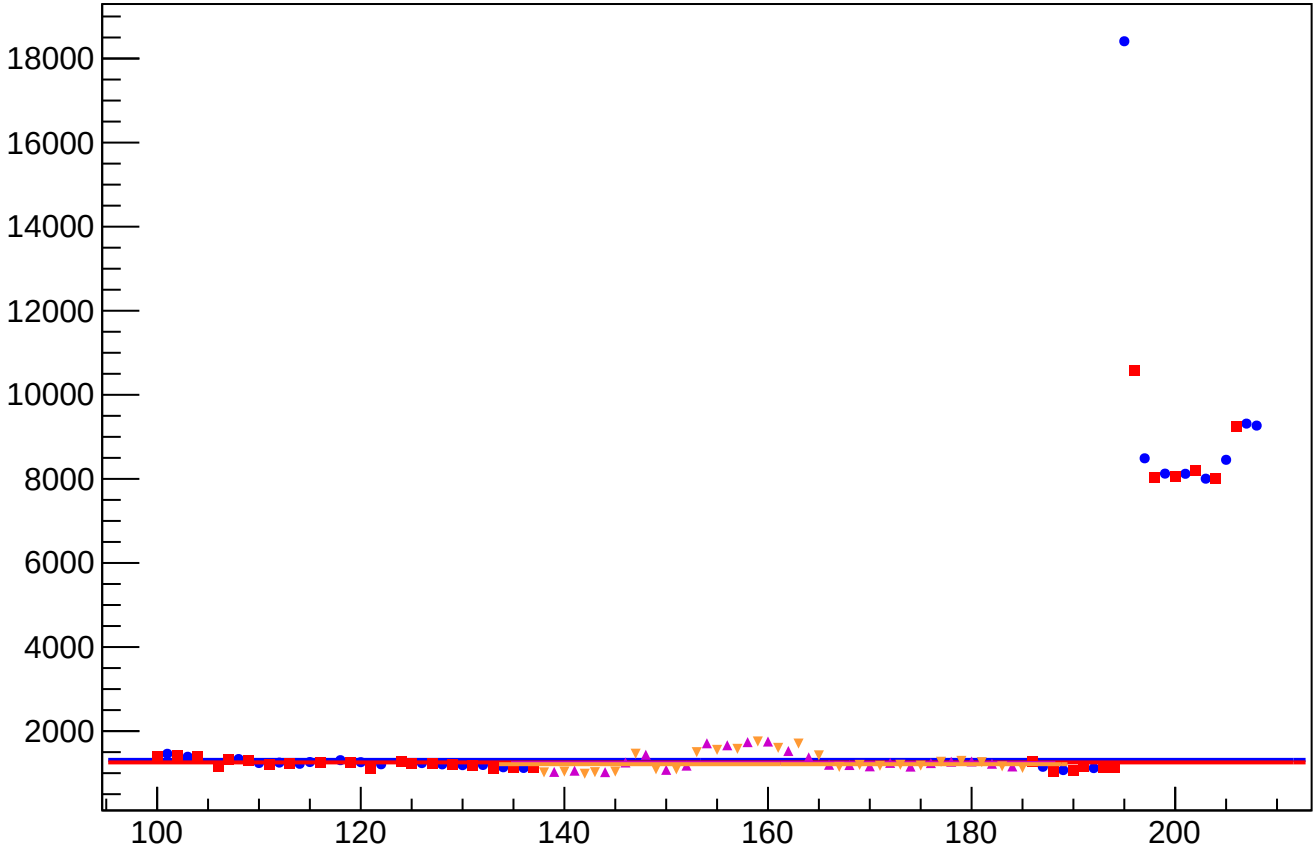
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.072+/-0.230 χ^2/NDF: 763.0/51

All: -1.643+/-0.162 χ^2/NDF: 2391.1/105

- sign -2.200+/-0.228 χ^2/NDF: 1616.0/53

diff_bpm0l08Y_rms vs Slug



Right In: 1315.945+/-0.285 χ^2/NDF: 10300412.6/26

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1255.639+/-0.254 χ^2/NDF: 7765716.1/30

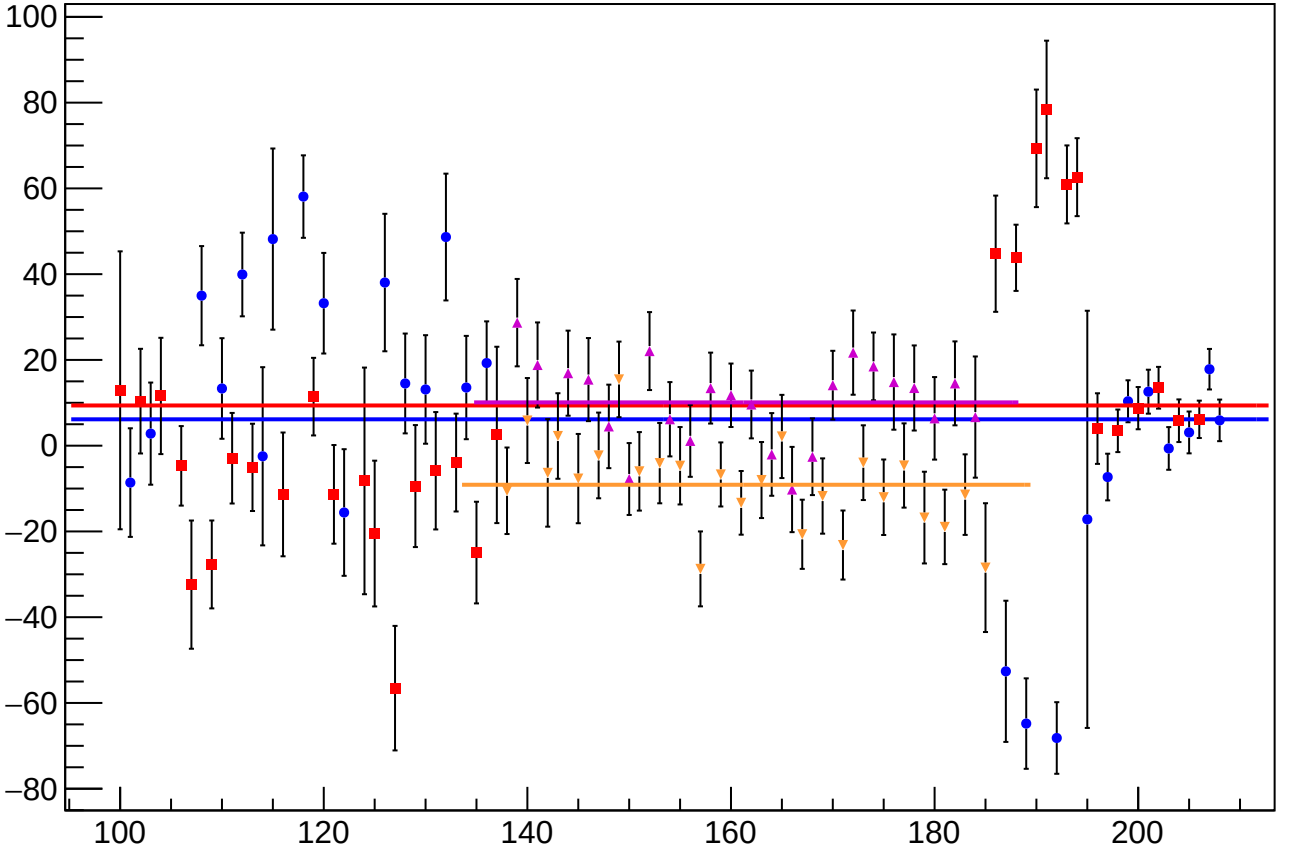
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1246.710+/-0.163 χ^2/NDF: 11400461.6/51

All: 1246.240+/-0.115 χ^2/NDF: 20054302.8/1

- sign 1245.780+/-0.161 χ^2/NDF: 8653824.7/53

diff_bpm0l09X_mean vs Slug



Right In: 6.148+/-1.551 χ^2/NDF: 230.3/26

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 9.377+/-1.569 χ^2/NDF: 203.4/30

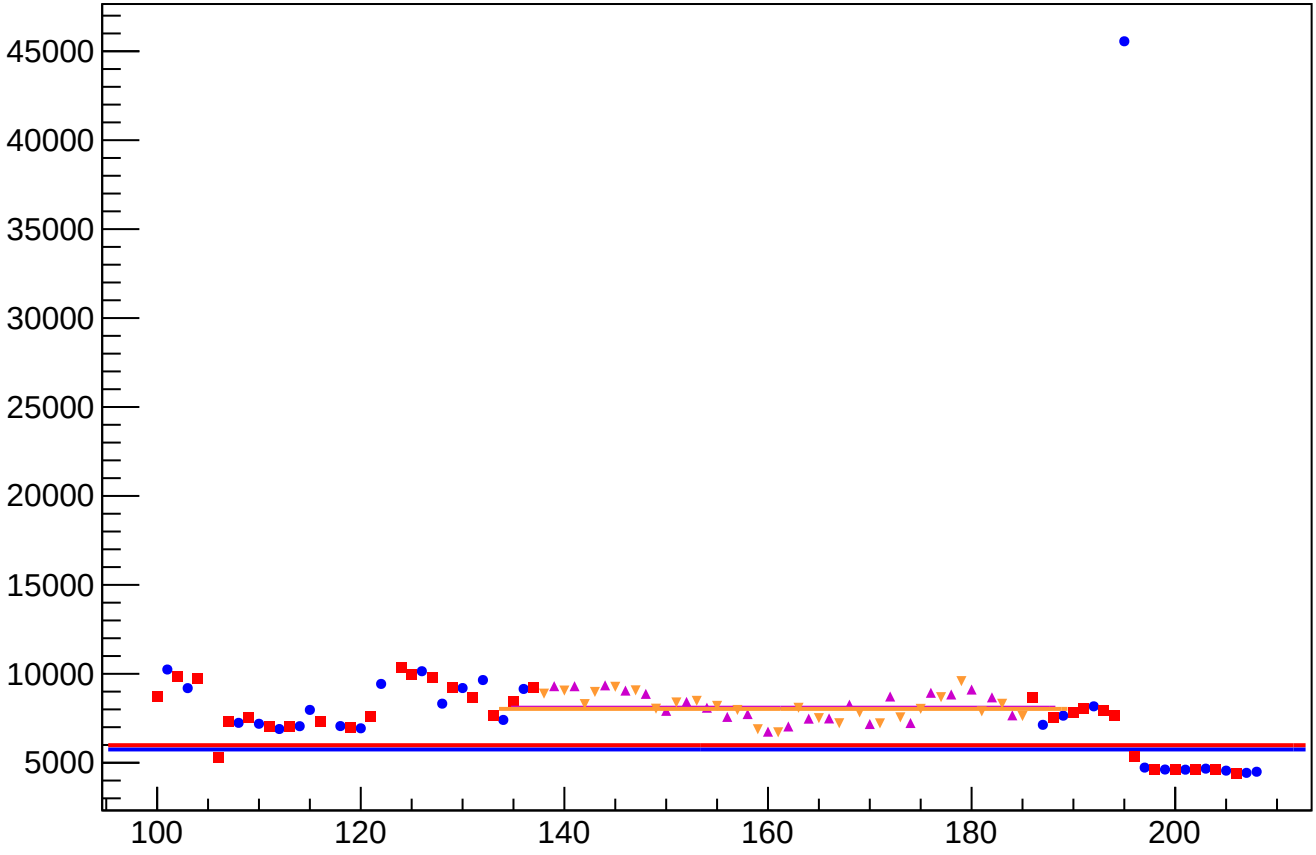
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -0.180+/-1.186 χ^2/NDF: 299.2/51

All: 4.636+/-0.848 χ^2/NDF: 560.7/105

- sign 9.666+/-1.213 χ^2/NDF: 227.8/53

diff_bpm0l09X_rms vs Slug



Right In: 5748.280+/-1.096 χ^2/NDF: 3906044.2/26

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 5987.285+/-1.109 χ^2/NDF: 2519722.4/30

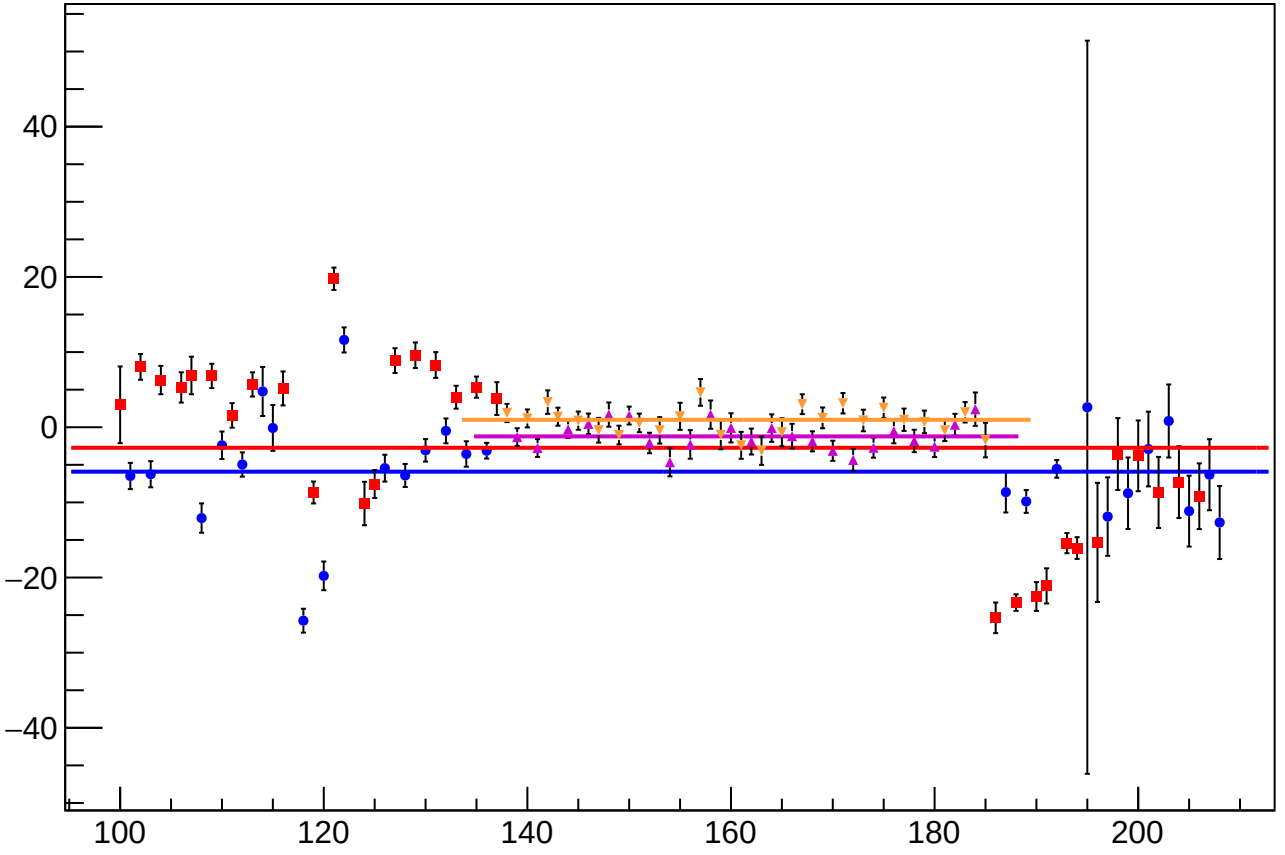
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 6693.462+/-0.839 χ^2/NDF: 6031072.9/51

All: 6763.028+/-0.600 χ^2/NDF: 10386194.3/1

- sign 6835.697+/-0.857 χ^2/NDF: 4341060.1/53

diff_bpm0l09Y_mean vs Slug



Right In: -5.914+/-0.372 χ^2/NDF: 385.9/26

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

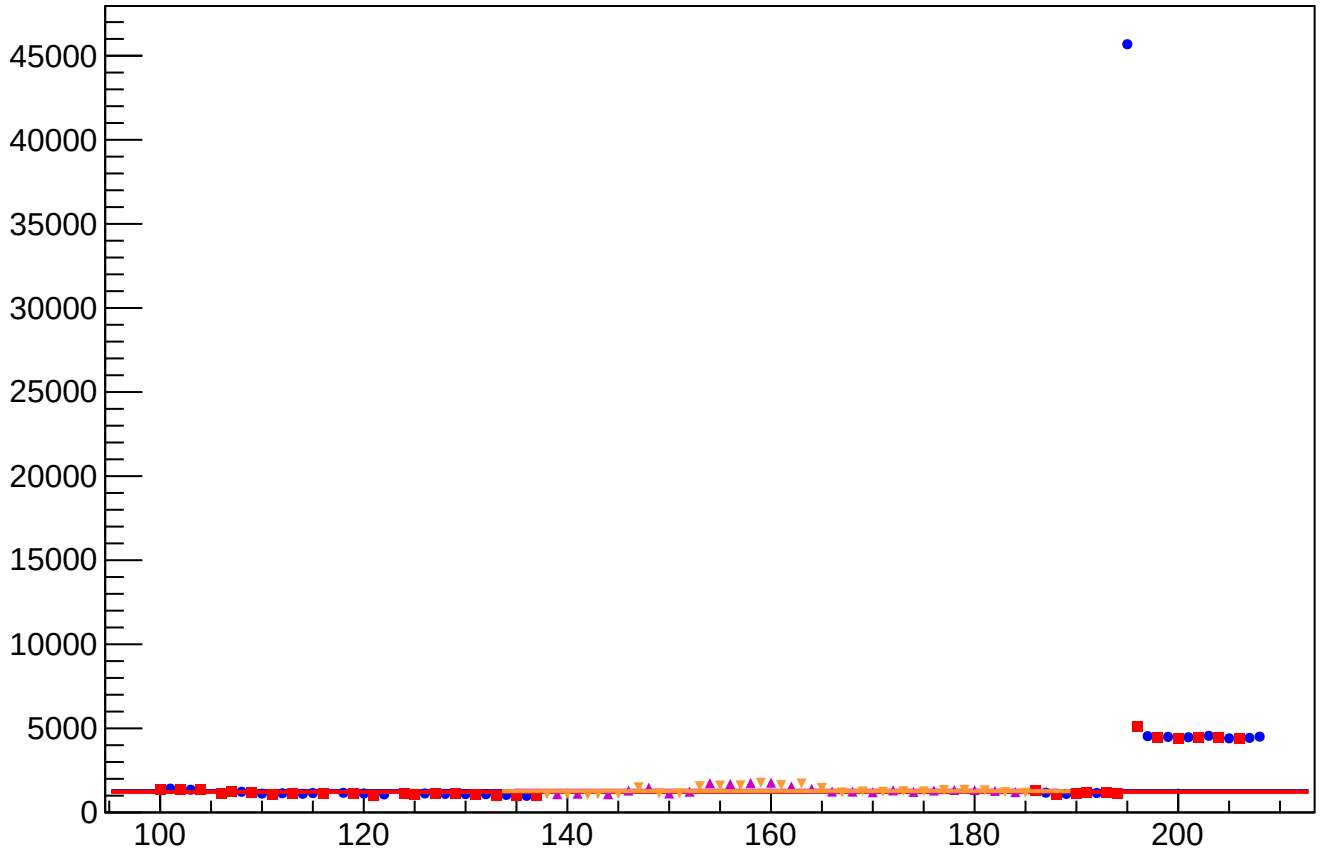
Right Out: -2.732+/-0.338 χ^2/NDF: 1463.5/30

Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.650+/-0.230 χ^2/NDF: 629.9/51

All: -1.777+/-0.162 χ^2/NDF: 2138.1/105

- sign -1.901+/-0.227 χ^2/NDF: 1507.6/53



Right In: 1269.141+/-0.263 χ^2/NDF: 8186194.6/26

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1221.534+/-0.239 χ^2/NDF: 5529426.7/30

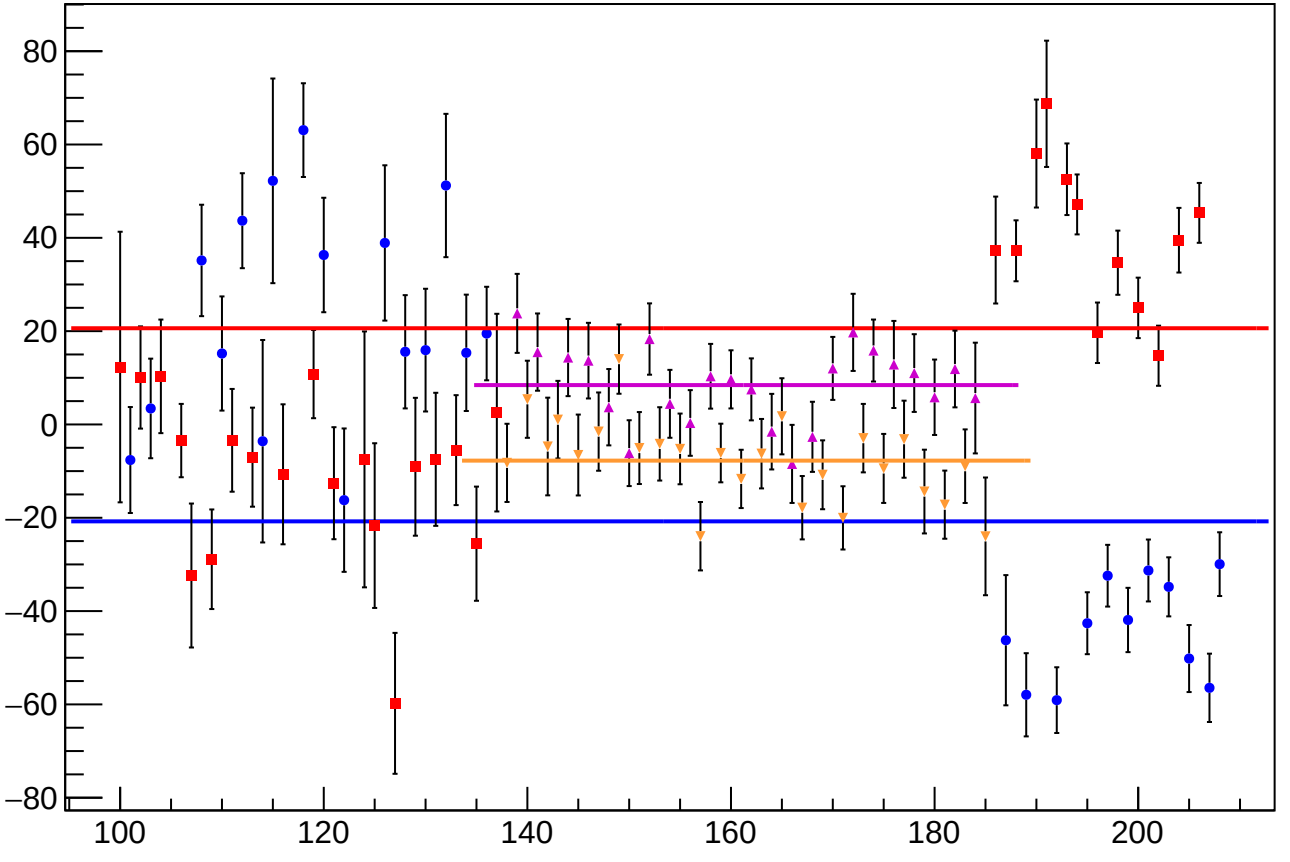
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1268.069+/-0.162 χ^2/NDF: 9064653.4/51

All: 1264.678+/-0.114 χ^2/NDF: 15403634.2/1

- sign 1261.363+/-0.161 χ^2/NDF: 6338119.3/53

diff_bpm0l10X_mean vs Slug



Right In: -20.769+/-1.787 χ^2/NDF: 379.7/26

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 20.621+/-1.708 χ^2/NDF: 225.8/30

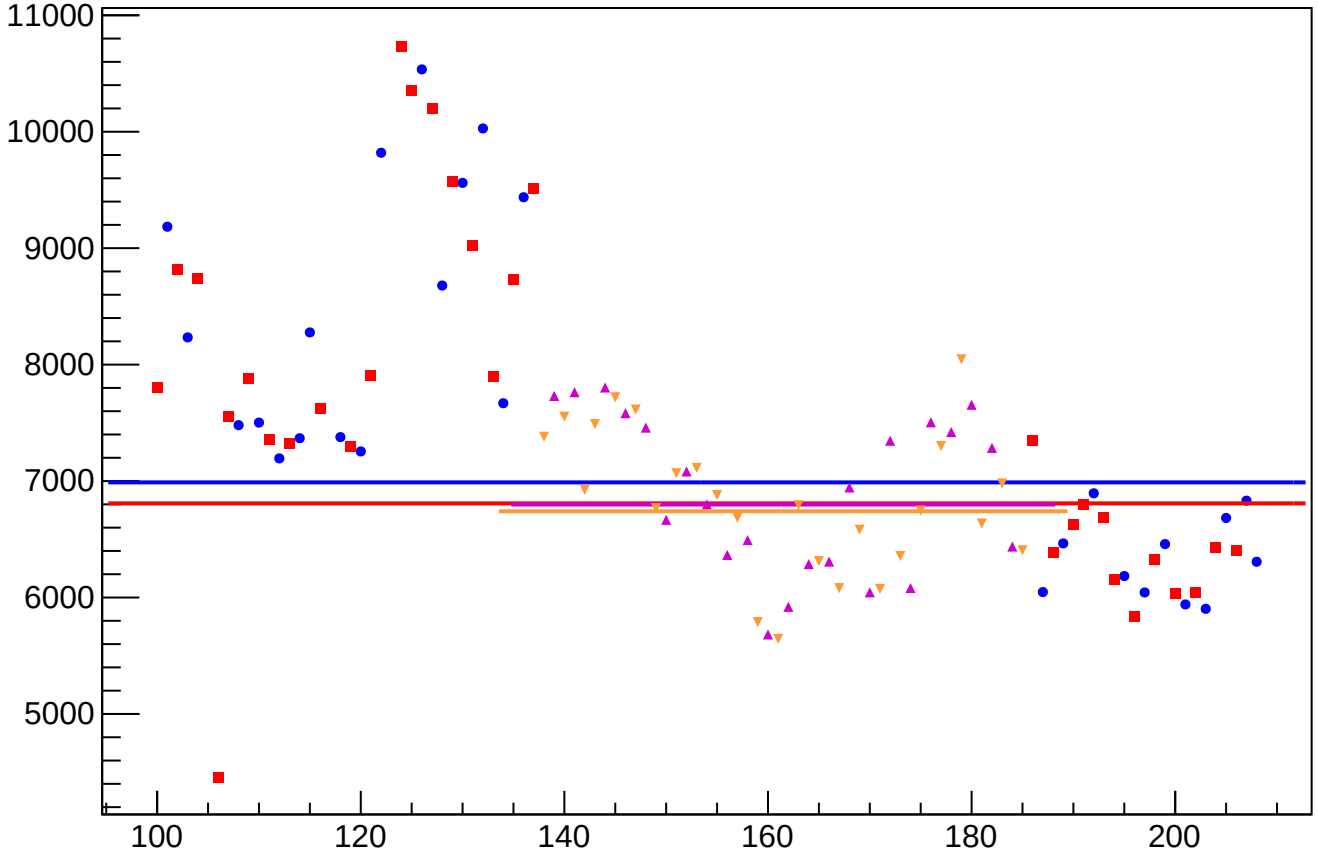
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -13.328+/-1.169 χ^2/NDF: 440.5/51

All: 0.410+/-0.827 χ^2/NDF: 994.2/105

- sign 14.150+/-1.169 χ^2/NDF: 277.7/53

diff_bpm0l10X_rms vs Slug



Right In: 6988.660+/-1.263 χ^2/NDF: 830409.7/26

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6808.615+/-1.208 χ^2/NDF: 961209.9/30

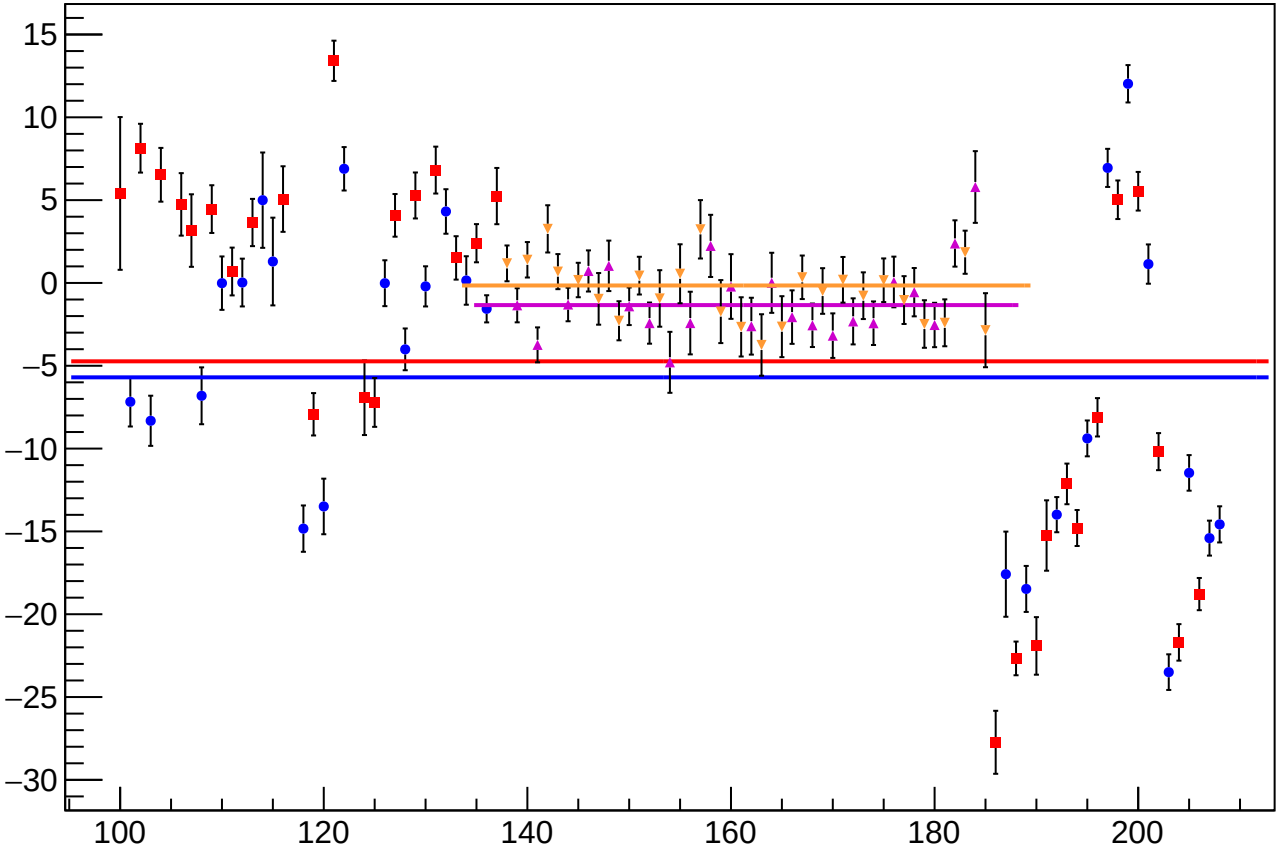
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6846.996+/-0.827 χ^2/NDF: 1169115.0/51

All: 6825.128+/-0.585 χ^2/NDF: 2485038.8/10

- sign 6803.255+/-0.827 χ^2/NDF: 1314524.6/53

diff_bpm0l10Y_mean vs Slug



Right In: -5.699+/-0.248 χ^2/NDF: 1378.5/26

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -4.732+/-0.246 χ^2/NDF: 2102.8/30

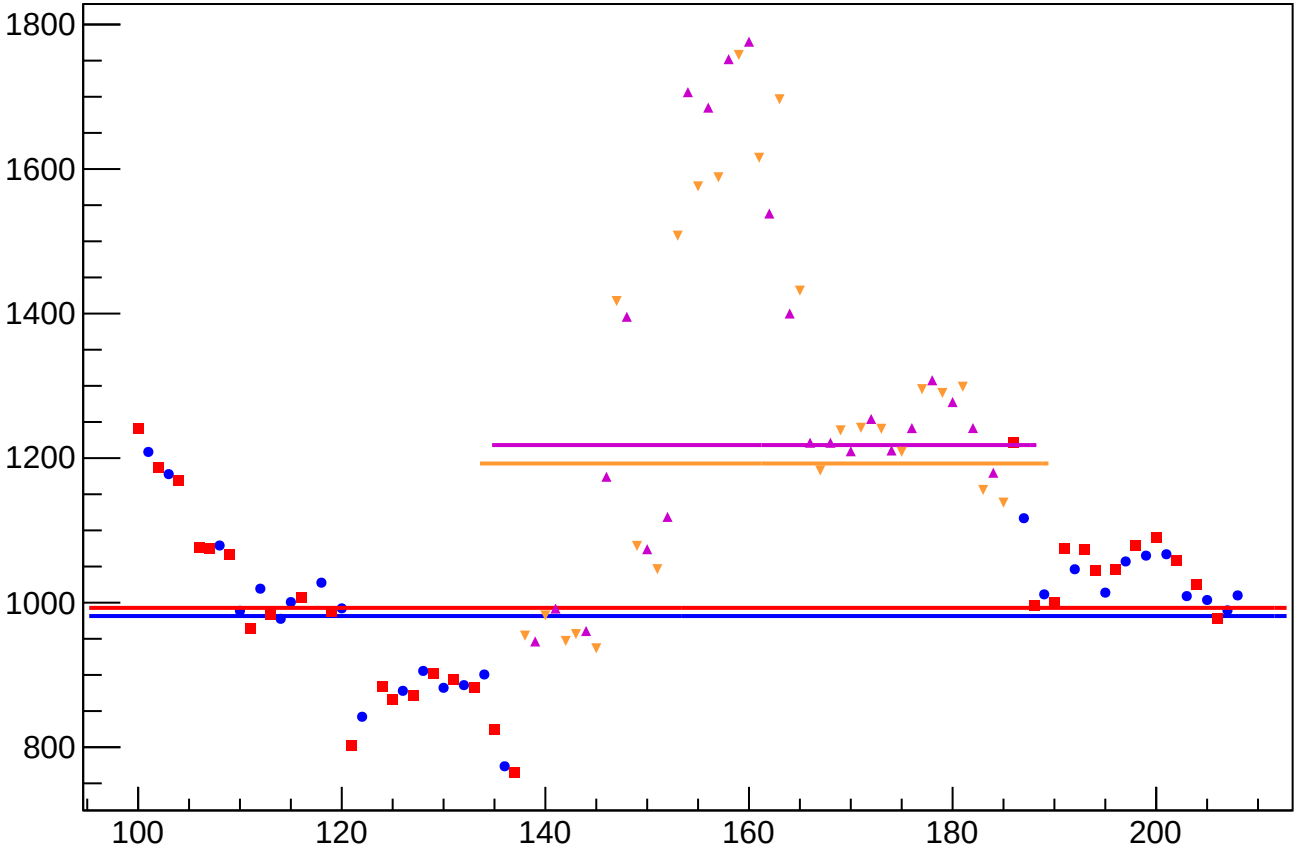
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

\+ sign -3.229+/-0.185 χ^2/NDF: 1637.4/51

All: -3.270+/-0.132 χ^2/NDF: 3864.0/105

\- sign -3.313+/-0.188 χ^2/NDF: 2226.5/53

diff_bpm0l10Y_rms vs Slug



Right In: 981.488+/-0.175 χ^2/NDF: 338940.9/26

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 992.801+/-0.174 χ^2/NDF: 358783.7/30

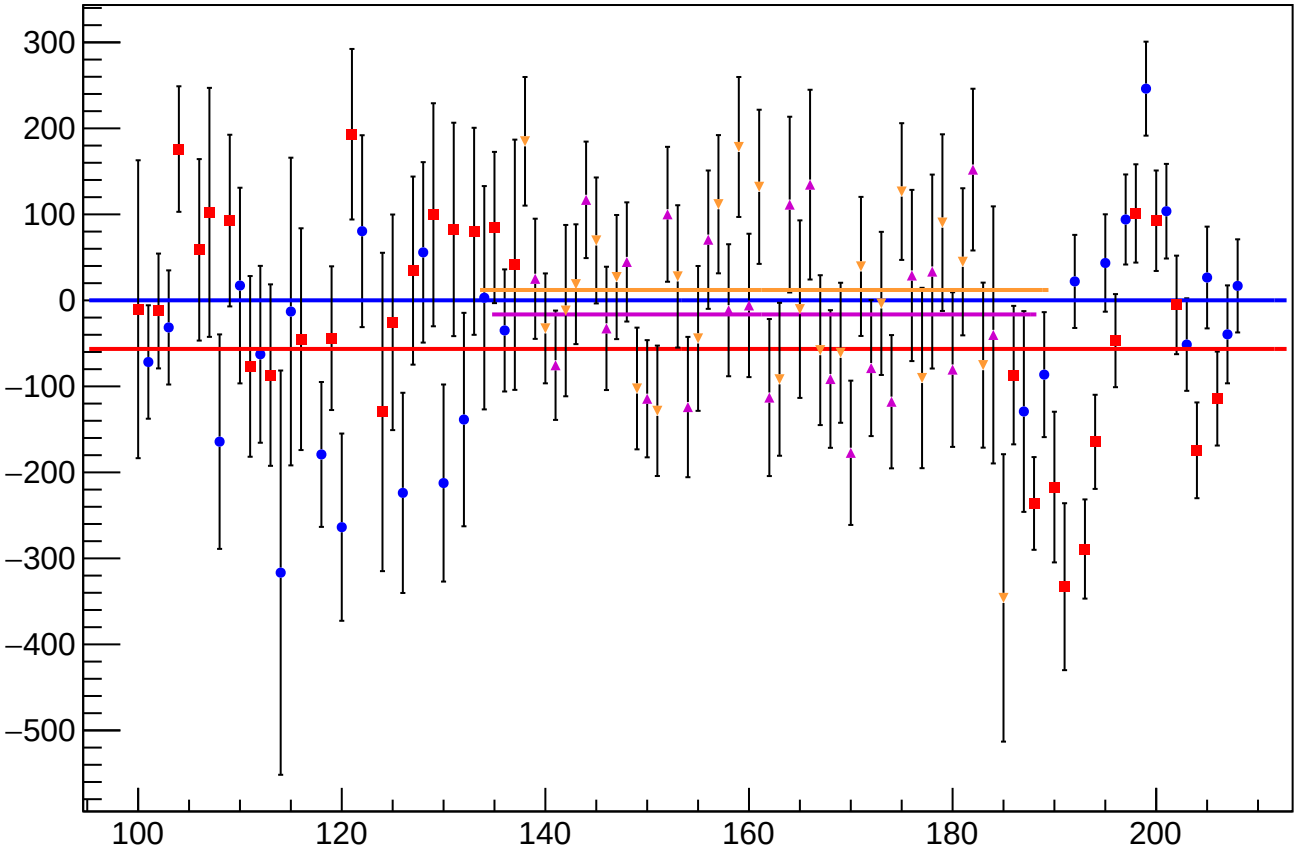
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1075.478+/-0.131 χ^2/NDF: 2304819.1/51

All: 1081.124+/-0.093 χ^2/NDF: 4496865.9/10

- sign 1086.952+/-0.133 χ^2/NDF: 2188246.0/53

diff_bpm0r03X_mean vs Slug



Right In: 0.068+/-14.376 χ^2/NDF: 57.3/26

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

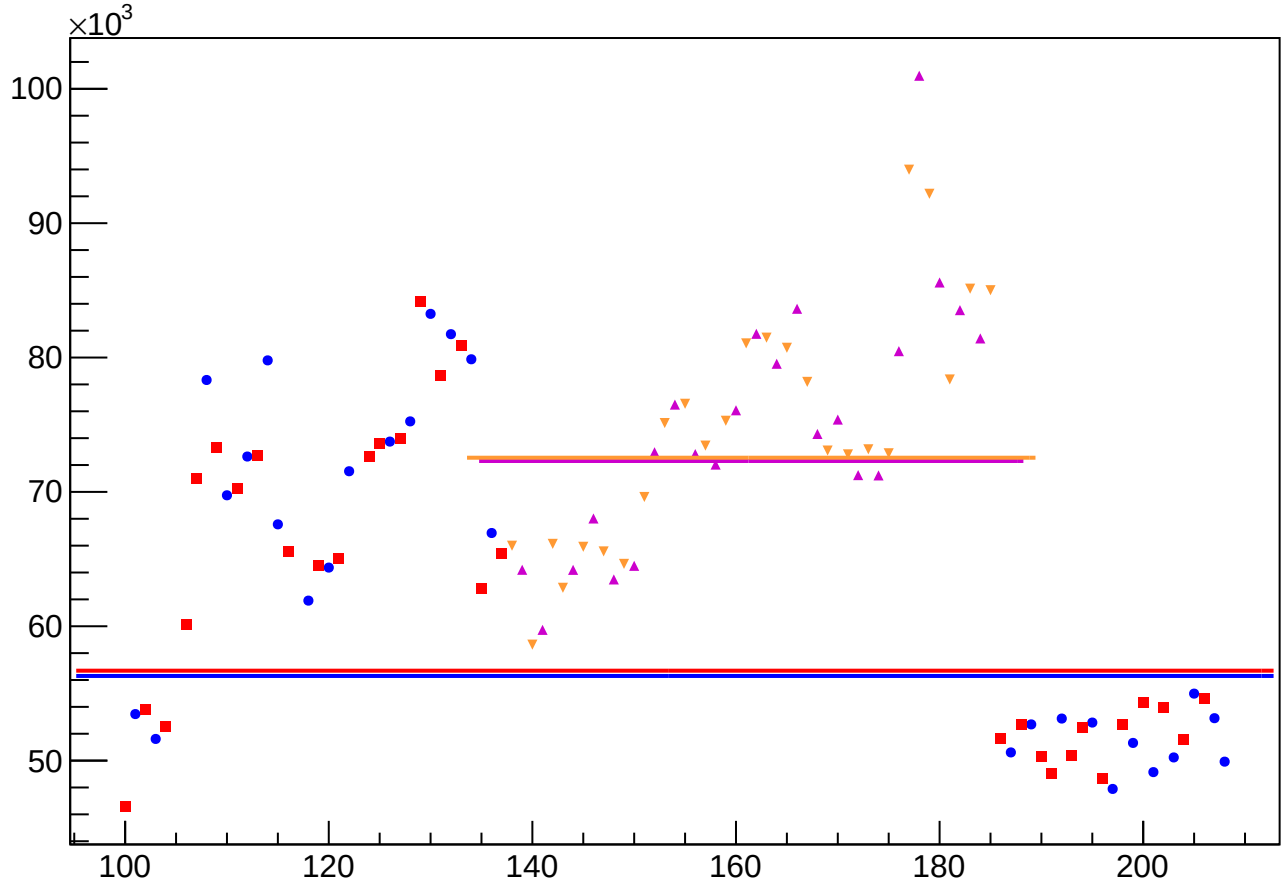
Right Out: -56.462+/-14.160 χ^2/NDF: 93.1/30

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign 5.214+/-10.870 χ^2/NDF: 90.4/51

All: -17.385+/-7.691 χ^2/NDF: 224.2/105

- sign -40.048+/-10.885 χ^2/NDF: 125.1/53



Right In: 56300.910+/-10.165 χ^2/NDF: 841613.3/26

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 56693.615+/-10.012 χ^2/NDF: 725283.4/30

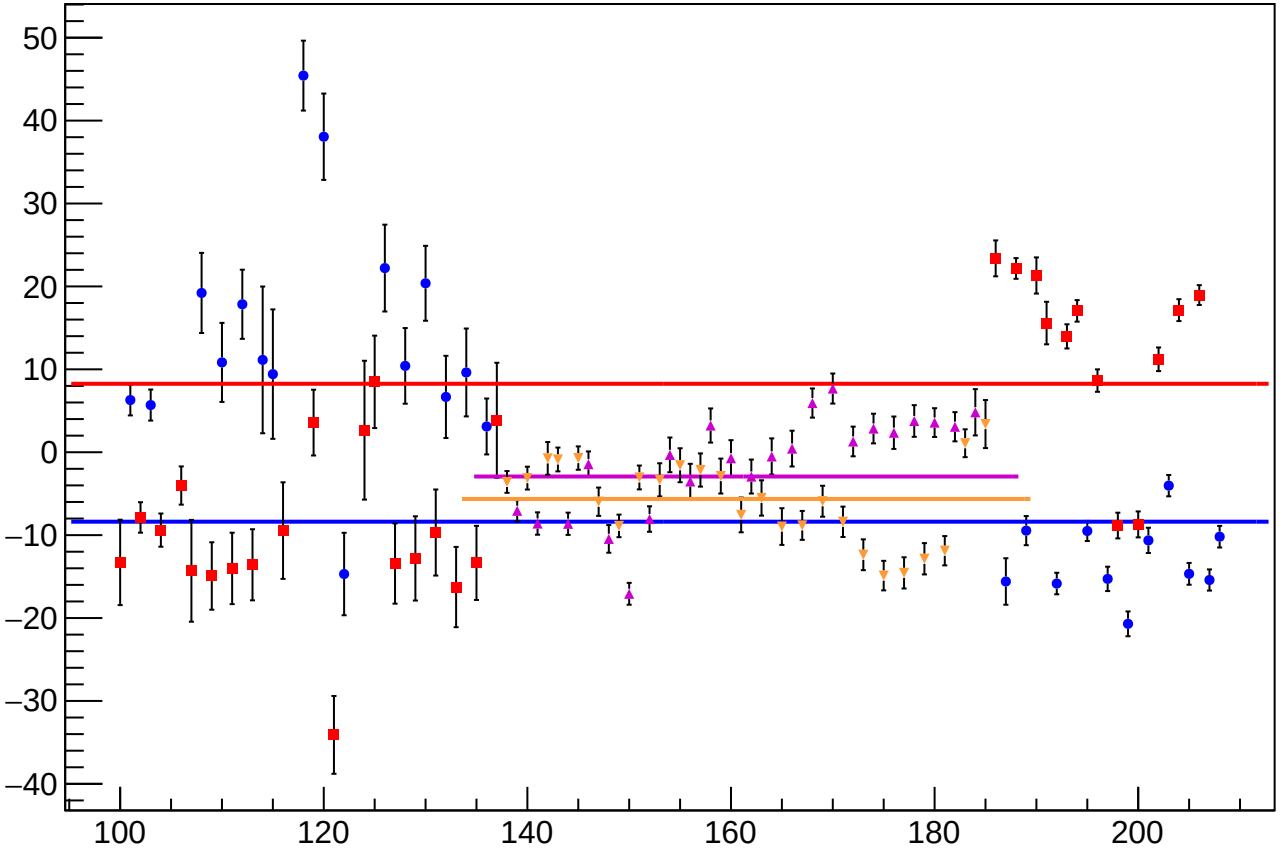
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 63258.645+/-7.686 χ^2/NDF: 2435360.1/51

All: 63168.623+/-5.439 χ^2/NDF: 4643684.4/1

- sign 63078.351+/-7.697 χ^2/NDF: 2208049.5/53

diff_bpm0r03Y_mean vs Slug



Right In: -8.378+/-0.388 χ^2/NDF: 784.7/26

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 8.257+/-0.384 χ^2/NDF: 1137.3/30

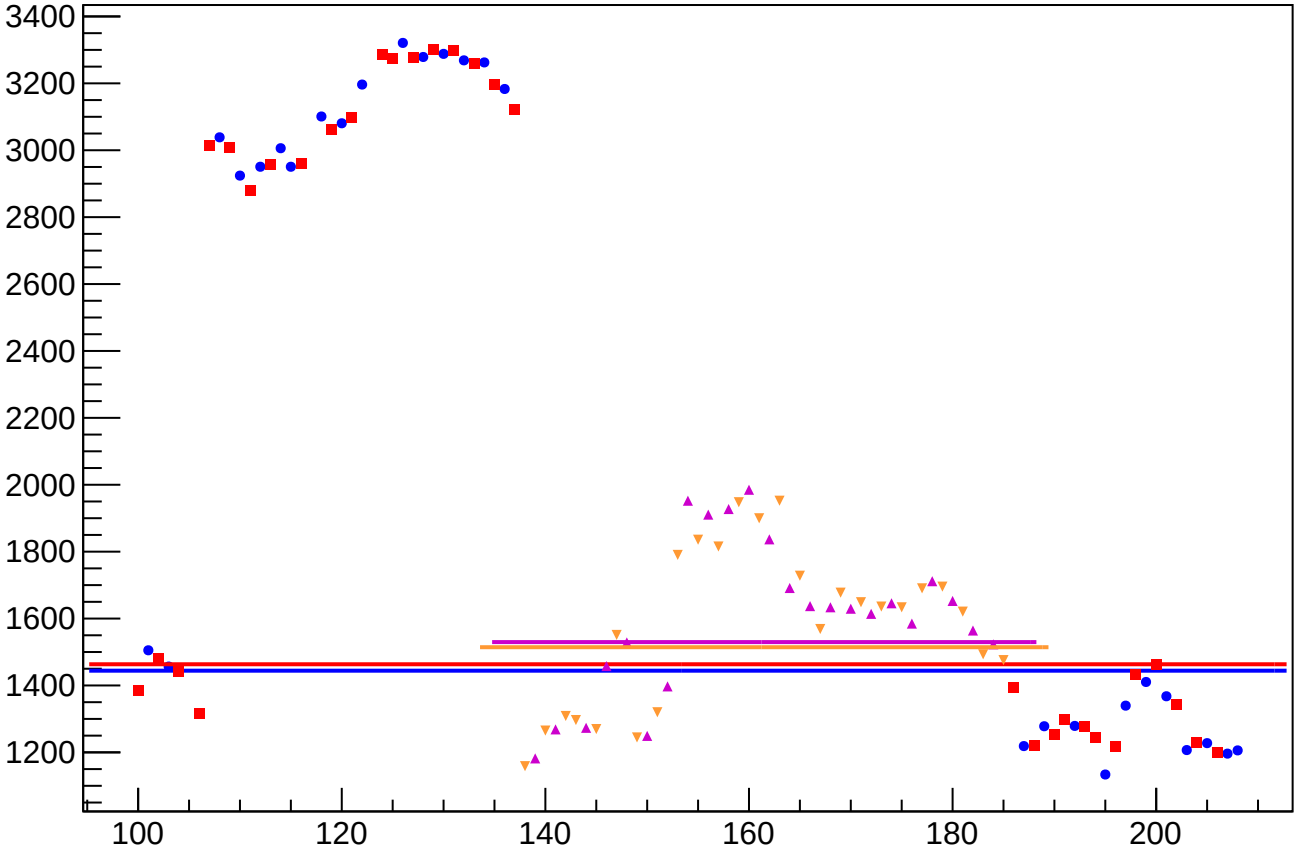
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -6.861+/-0.260 χ^2/NDF: 990.5/51

All: -2.324+/-0.185 χ^2/NDF: 3534.6/105

- sign 2.346+/-0.263 χ^2/NDF: 1924.3/53

diff_bpm0r03Y_rms vs Slug



Right In: 1444.177+/-0.275 χ^2/NDF: 3990953.0/26

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1463.371+/-0.271 χ^2/NDF: 3807383.9/30

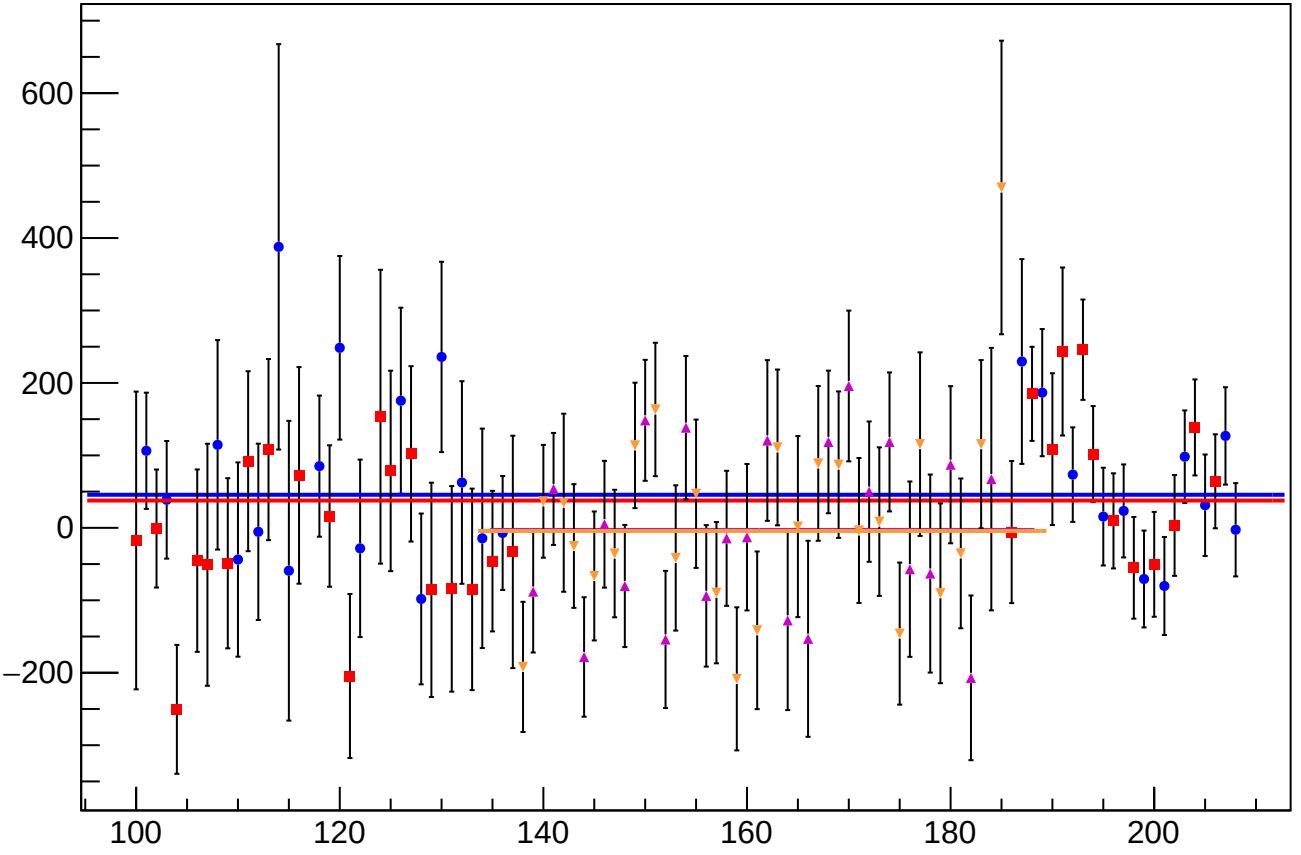
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1482.988+/-0.184 χ^2/NDF: 4960388.1/51

All: 1490.579+/-0.131 χ^2/NDF: 9631273.1/10

- sign 1498.391+/-0.186 χ^2/NDF: 4667415.5/53

diff_bpm0r05X_mean vs Slug



Right In: 45.661+/-17.082 χ^2/NDF: 25.5/26

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

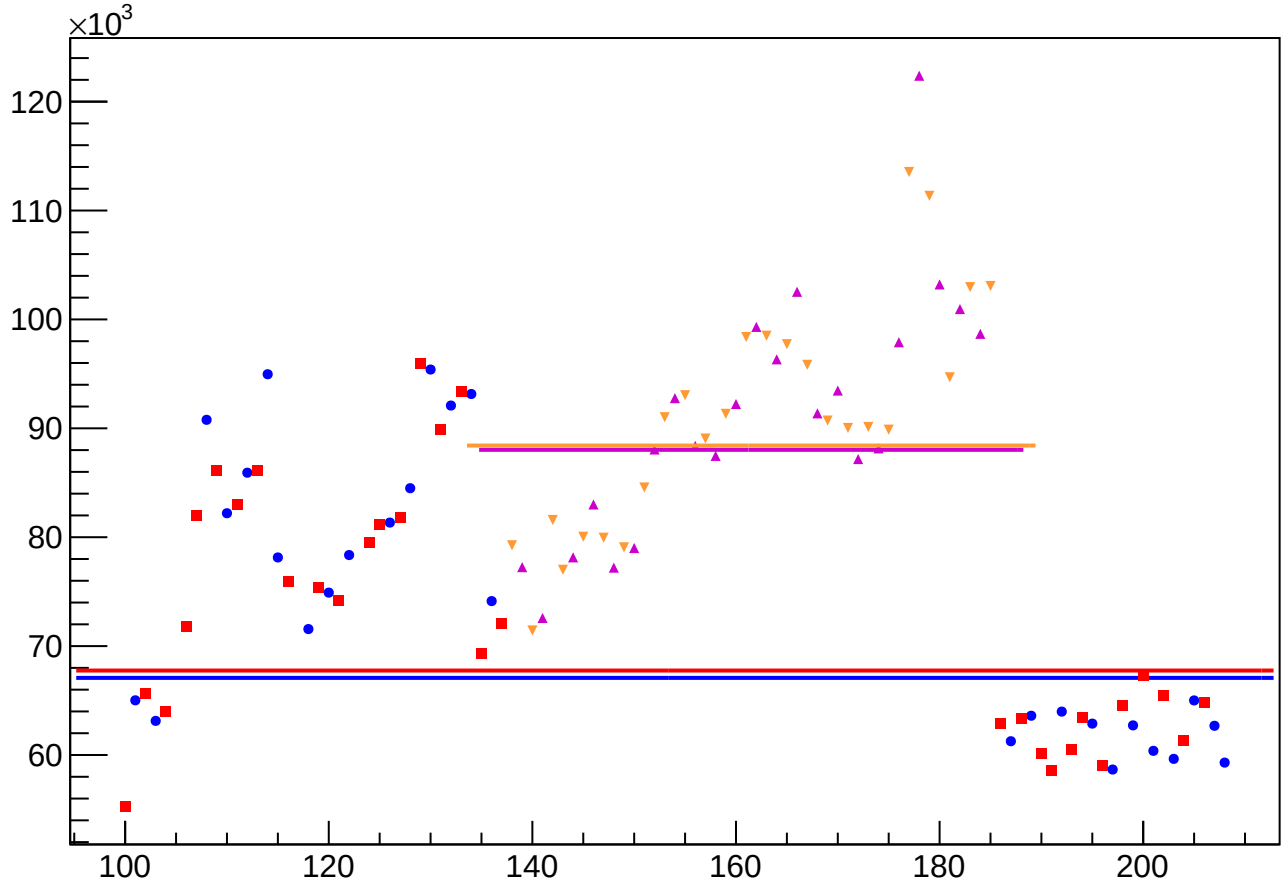
Right Out: 37.703+/-16.886 χ^2/NDF: 46.2/30

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 24.889+/-13.054 χ^2/NDF: 59.5/51

All: 23.175+/-9.243 χ^2/NDF: 138.7/105

- sign 21.452+/-13.090 χ^2/NDF: 79.2/53



Right In: 67082.338+/-12.079 χ^2/NDF: 636148.8/26

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 67757.138+/-11.940 χ^2/NDF: 552025.6/30

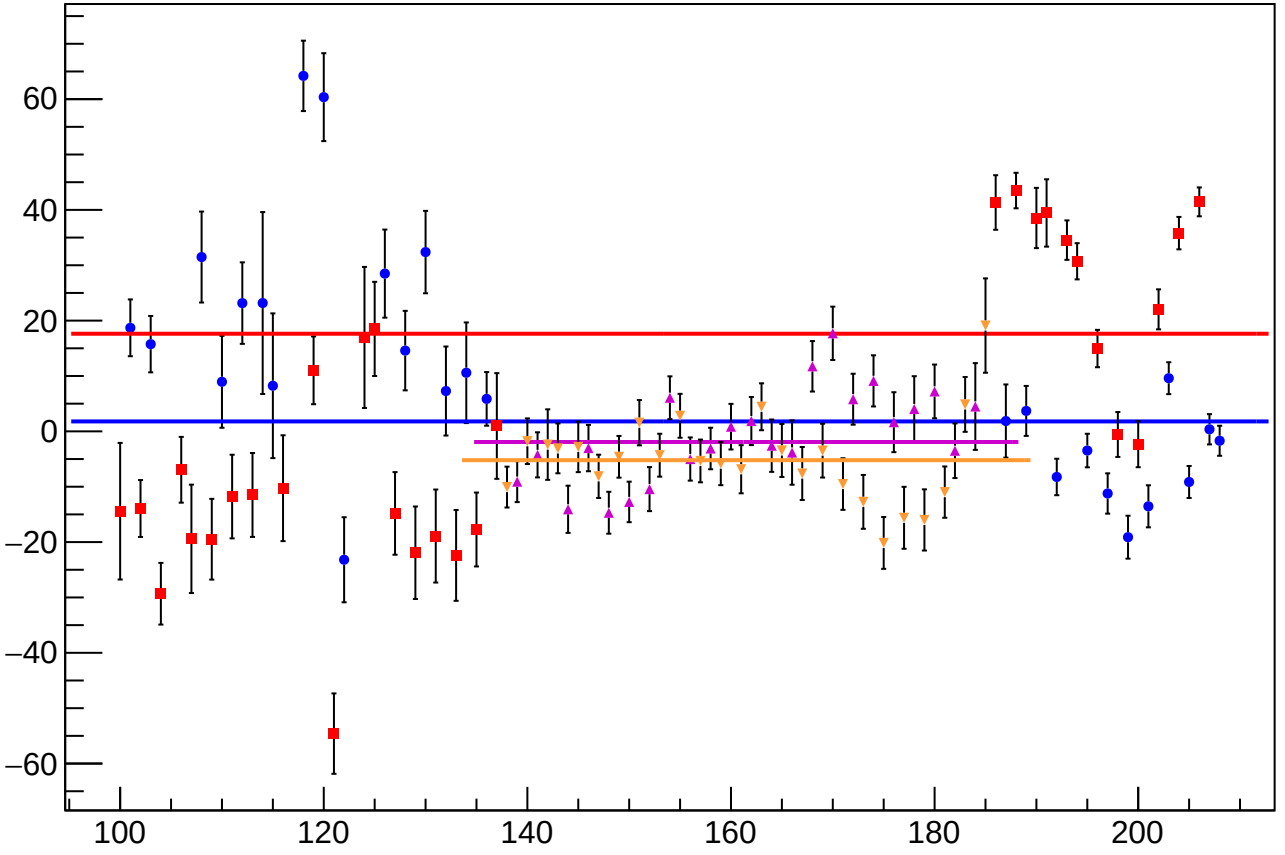
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 75957.541+/-9.231 χ^2/NDF: 2416019.7/51

All: 75901.696+/-6.536 χ^2/NDF: 4602711.0/1

- sign 75845.547+/-9.256 χ^2/NDF: 2186617.9/53

diff_bpm0r05Y_mean vs Slug



Right In: 1.793+/-0.874 χ^2/NDF: 331.6/26

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: 17.631+/-0.891 χ^2/NDF: 748.1/30

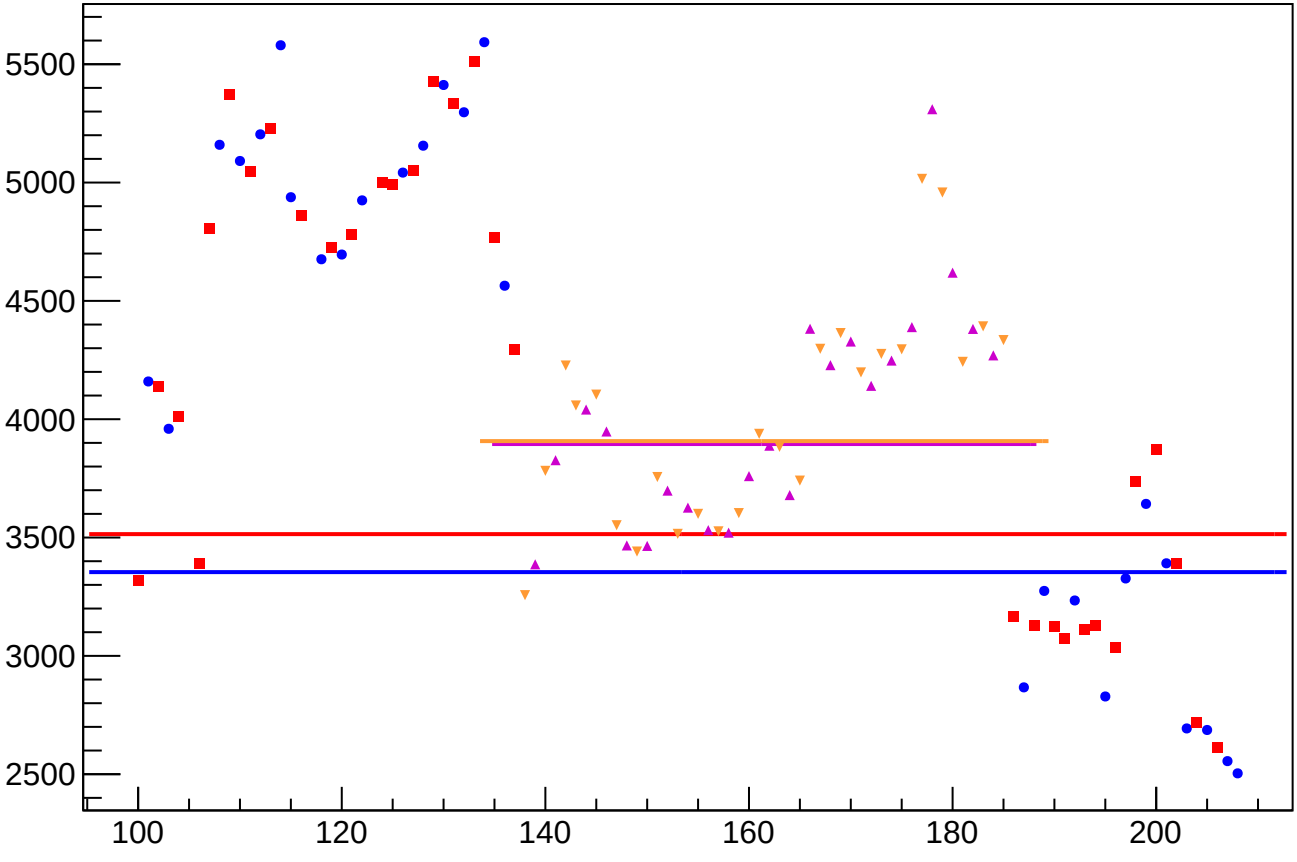
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -1.627+/-0.625 χ^2/NDF: 413.9/51

All: 3.140+/-0.447 χ^2/NDF: 1598.4/105

- sign 8.123+/-0.639 χ^2/NDF: 1065.4/53

diff_bpm0r05Y_rms vs Slug



Right In: 3353.938+/-0.618 χ^2/NDF: 2078528.2/26

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3514.463+/-0.630 χ^2/NDF: 1711089.5/30

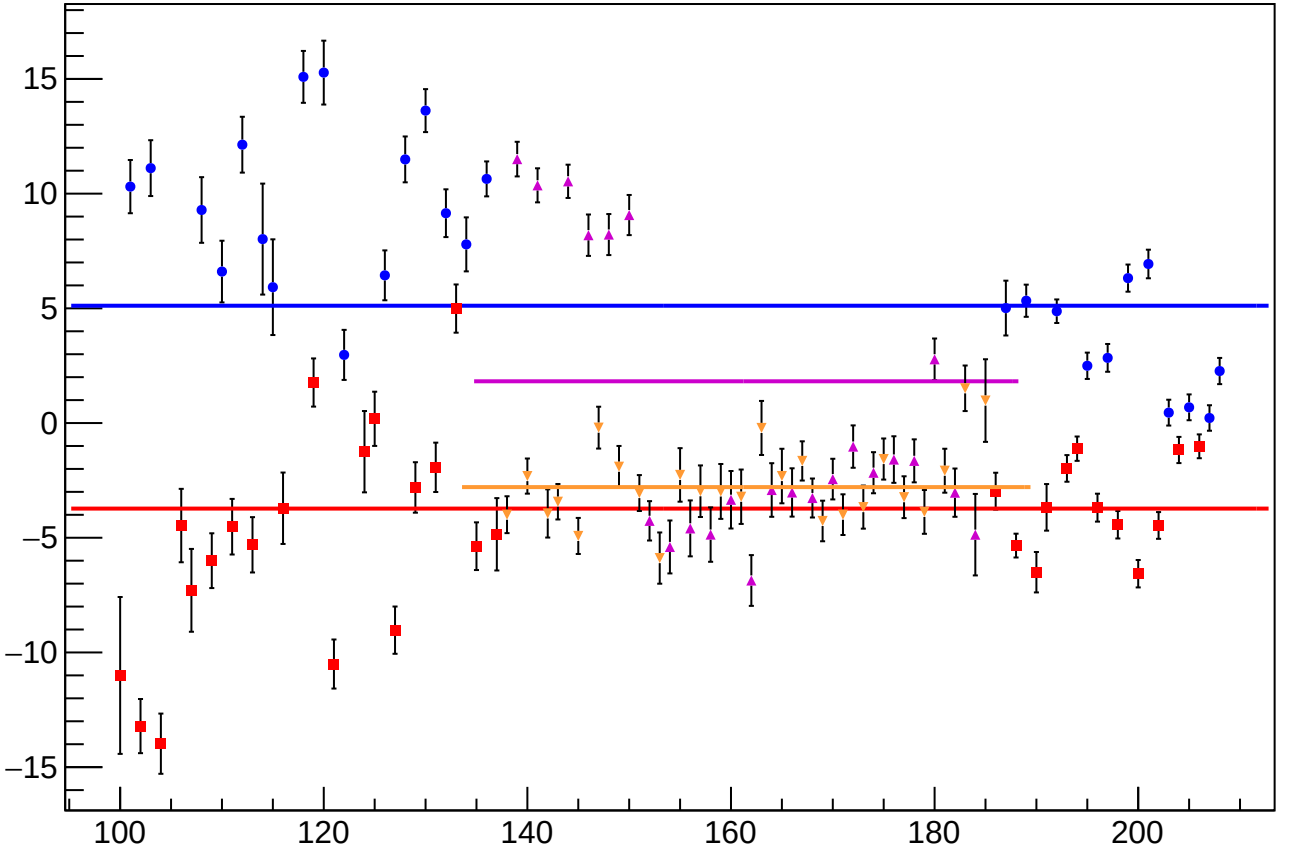
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3624.440+/-0.442 χ^2/NDF: 2911897.5/51

All: 3661.155+/-0.316 χ^2/NDF: 5224360.0/10

- sign 3699.541+/-0.452 χ^2/NDF: 2298338.1/53

diff_bpm2i01X_mean vs Slug



Right In: 5.114+/-0.154 χ^2/NDF: 701.8/26

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -3.729+/-0.150 χ^2/NDF: 448.8/30

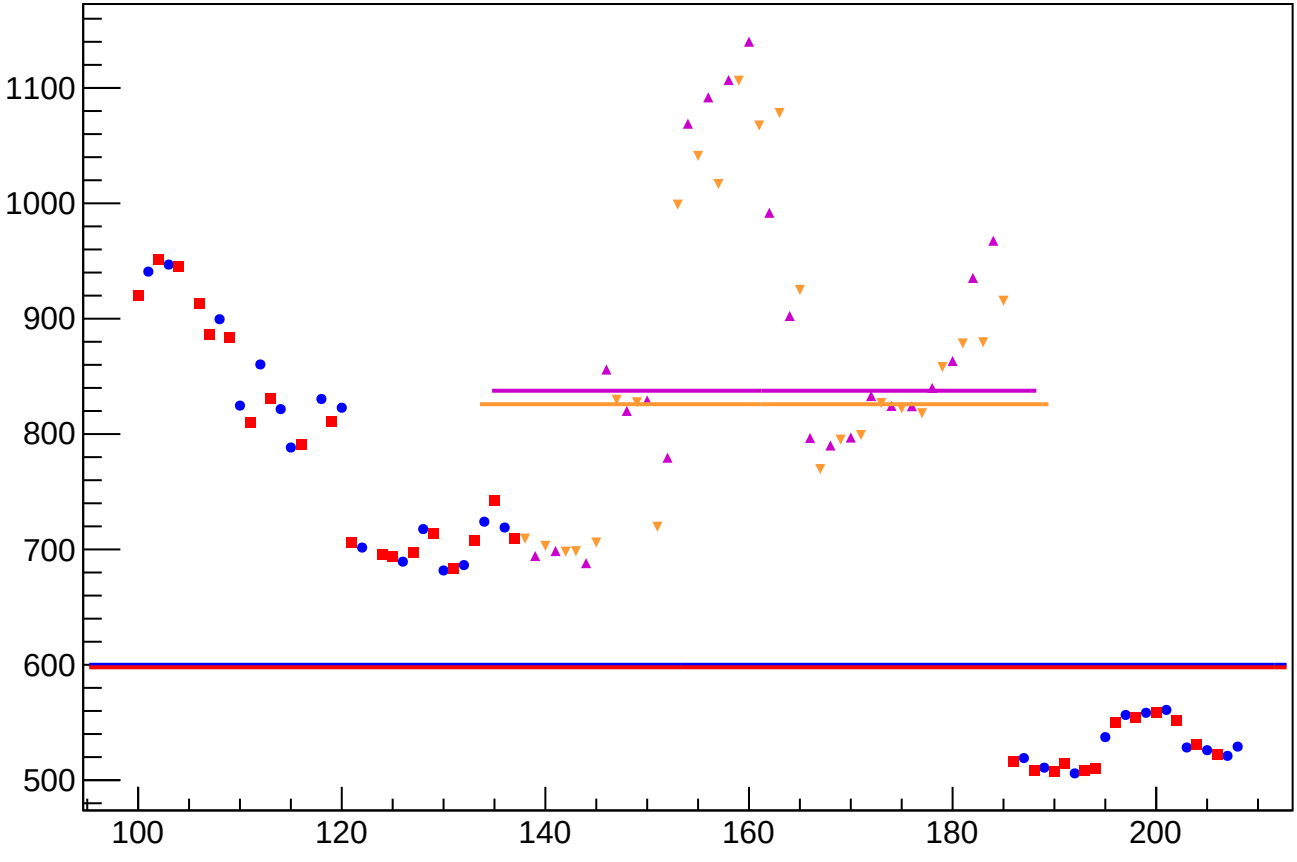
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.989+/-0.119 χ^2/NDF: 1816.7/51

All: 0.147+/-0.085 χ^2/NDF: 4265.9/105

- sign -1.703+/-0.120 χ^2/NDF: 1972.7/53

diff_bpm2i01X_rms vs Slug



Right In: 600.014+/-0.109 χ^2/NDF: 1194596.4/26

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 597.838+/-0.106 χ^2/NDF: 1324602.3/30

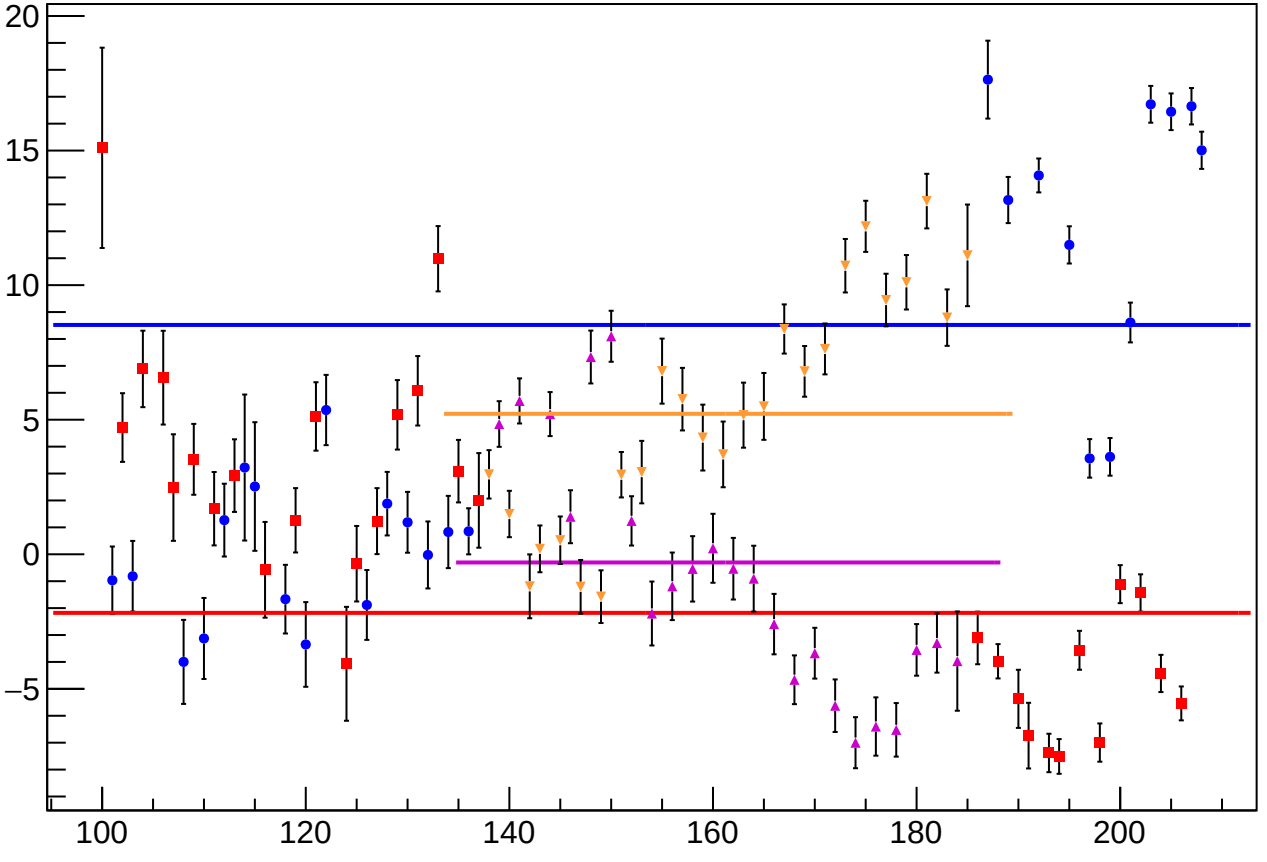
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 689.284+/-0.084 χ^2/NDF: 3667709.4/51

All: 687.323+/-0.060 χ^2/NDF: 7565982.0/105

- sign 685.354+/-0.085 χ^2/NDF: 3897193.3/53

diff_bpm2i01Y_mean vs Slug



Right In: 8.521+/-0.182 χ^2/NDF: 1469.4/26

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -2.177+/-0.178 χ^2/NDF: 678.0/30

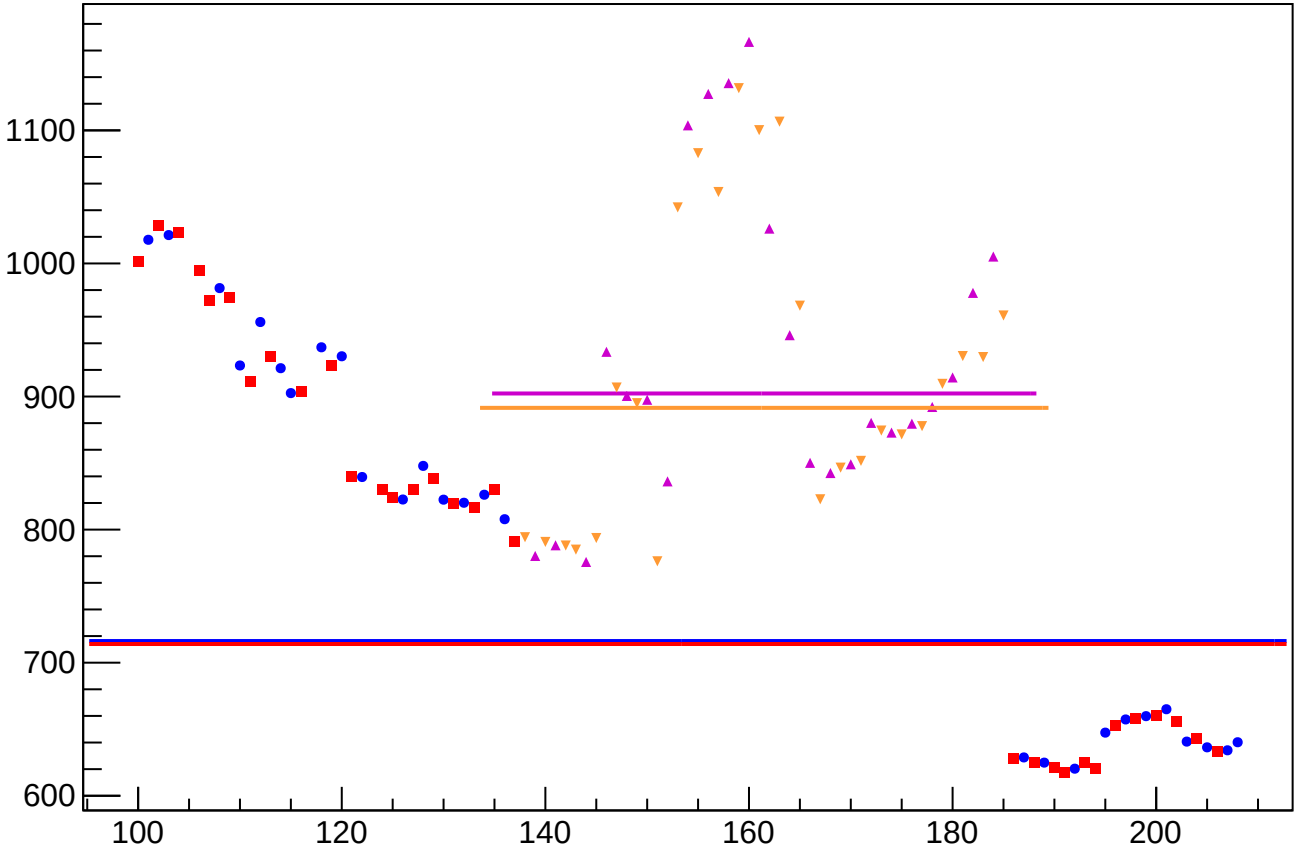
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 7.057+/-0.136 χ^2/NDF: 2064.6/51

All: 2.845+/-0.096 χ^2/NDF: 5206.5/105

- sign -1.403+/-0.137 χ^2/NDF: 1218.7/53

diff_bpm2i01Y_rms vs Slug



Right In: 716.266+/-0.129 χ^2/NDF: 864262.6/26

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 714.035+/-0.126 χ^2/NDF: 957342.3/30

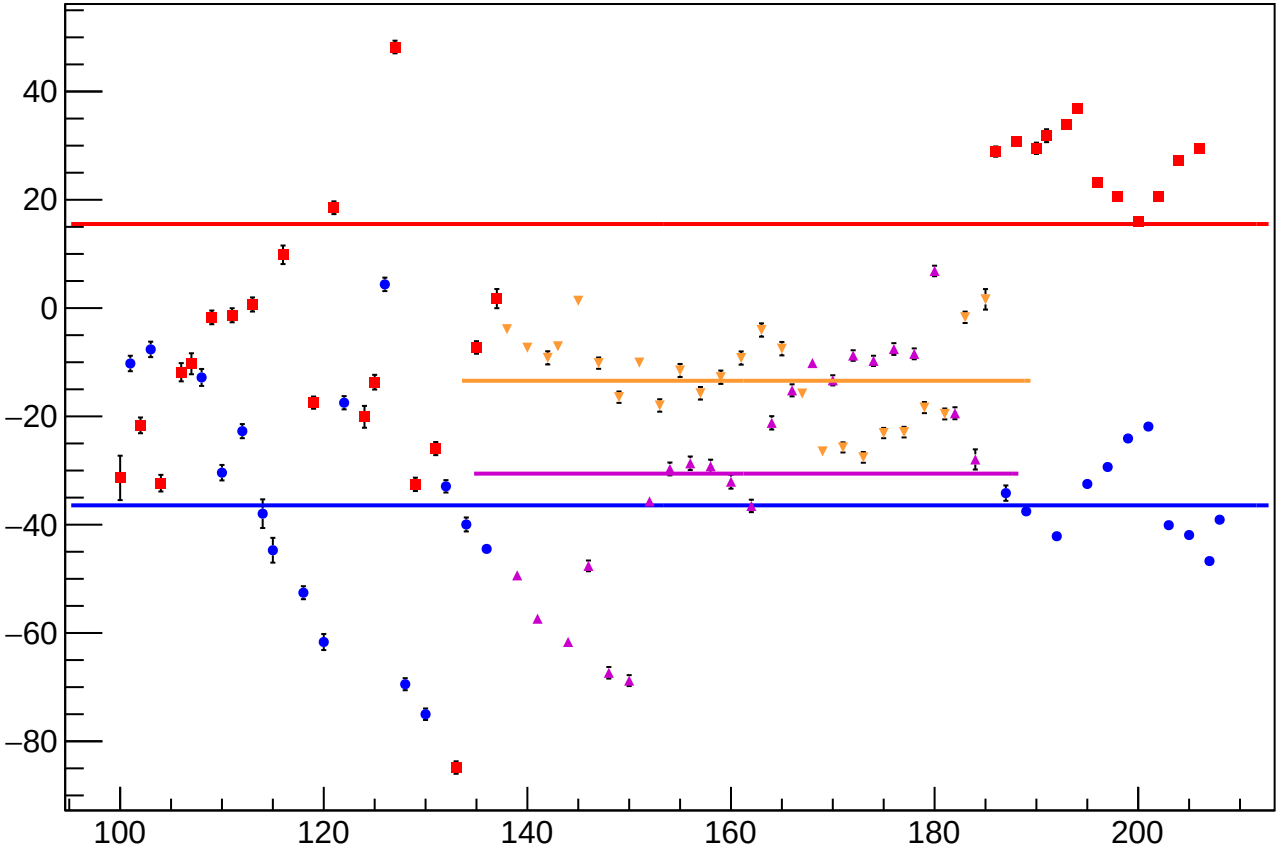
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 793.986+/-0.096 χ^2/NDF: 2200189.6/51

All: 792.912+/-0.068 χ^2/NDF: 4562387.2/105

- sign 791.828+/-0.097 χ^2/NDF: 2361947.5/53

diff_bpm2i02X_mean vs Slug



Right In: -36.430+/-0.179 χ^2/NDF: 6467.7/26

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 15.525+/-0.175 χ^2/NDF: 19843.4/30

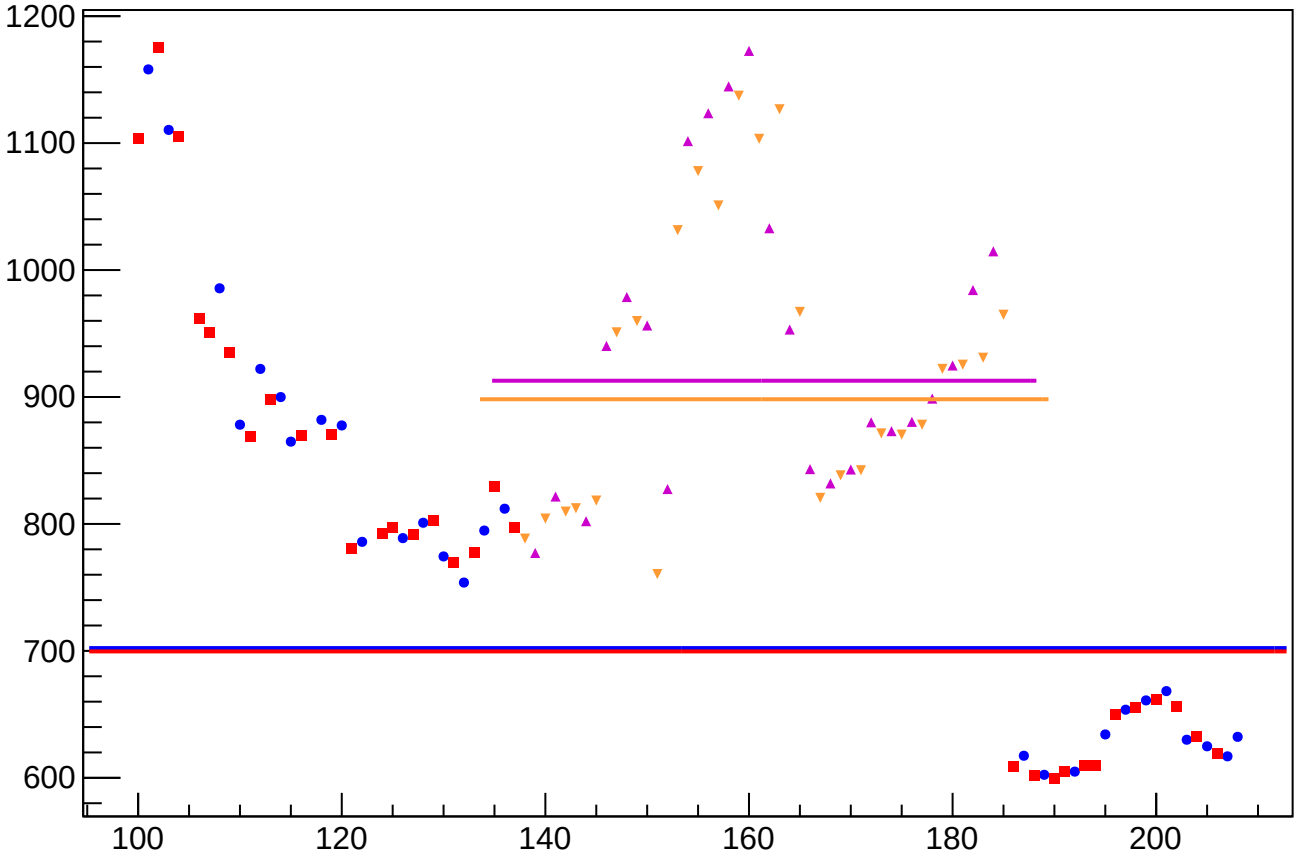
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -26.525+/-0.135 χ^2/NDF: 15239.8/51

All: -14.732+/-0.096 χ^2/NDF: 88398.0/105

- sign -2.827+/-0.136 χ^2/NDF: 57852.6/53

diff_bpm2i02X_rms vs Slug



Right In: 702.204+/-0.127 χ^2/NDF: 936026.9/26

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 699.592+/-0.124 χ^2/NDF: 1025394.6/30

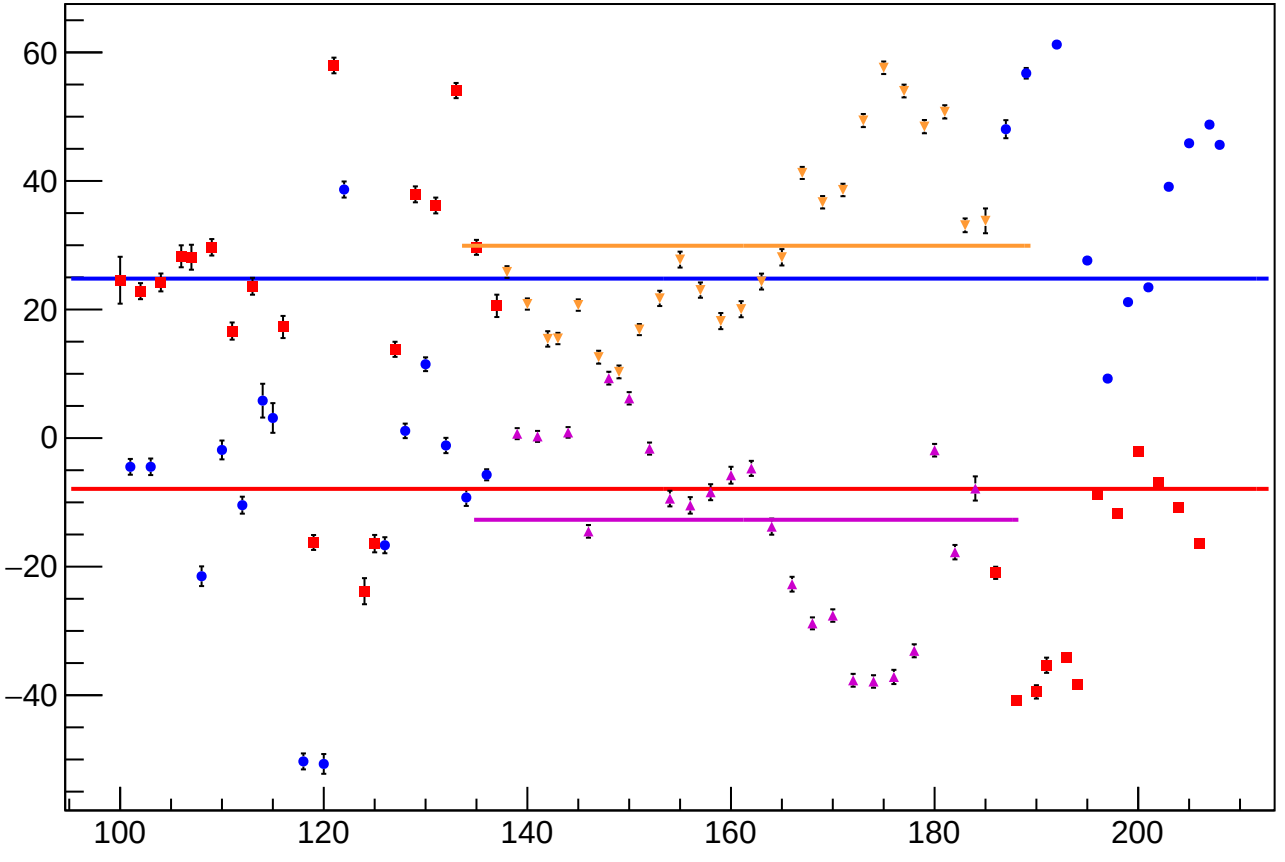
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 786.588+/-0.096 χ^2/NDF: 2486247.1/51

All: 785.539+/-0.068 χ^2/NDF: 5173952.8/105

- sign 784.481+/-0.096 χ^2/NDF: 2687463.7/53

diff_bpm2i02Y_mean vs Slug



Right In: 24.809+/-0.177 χ^2/NDF: 23157.1/26

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -7.901+/-0.173 χ^2/NDF: 22845.3/30

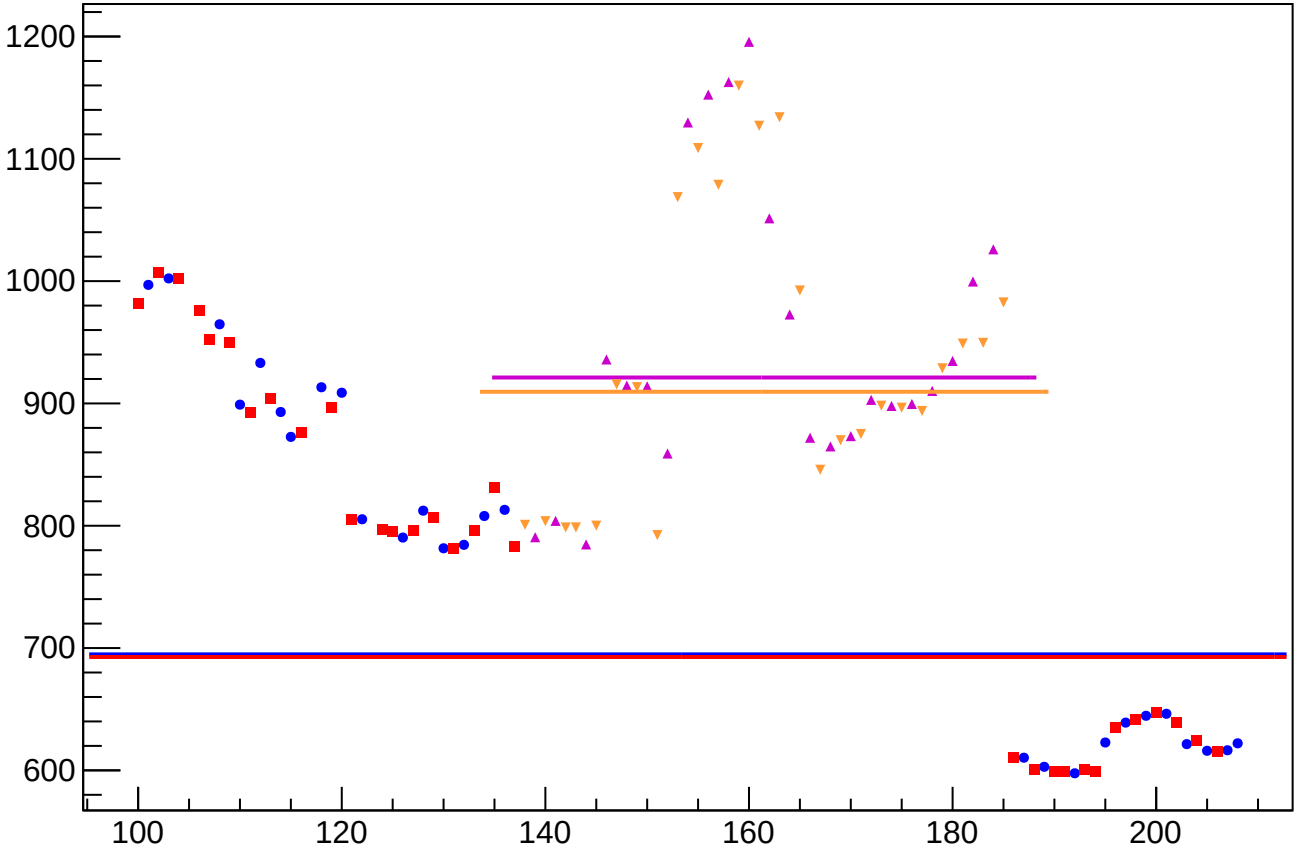
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 26.950+/-0.135 χ^2/NDF: 28086.8/51

All: 8.646+/-0.096 χ^2/NDF: 92919.5/105

- sign -9.770+/-0.135 χ^2/NDF: 27936.1/53

diff_bpm2i02Y_rms vs Slug



Right In: 694.821+/-0.125 χ^2/NDF: 894563.8/26

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 692.687+/-0.122 χ^2/NDF: 984520.3/30

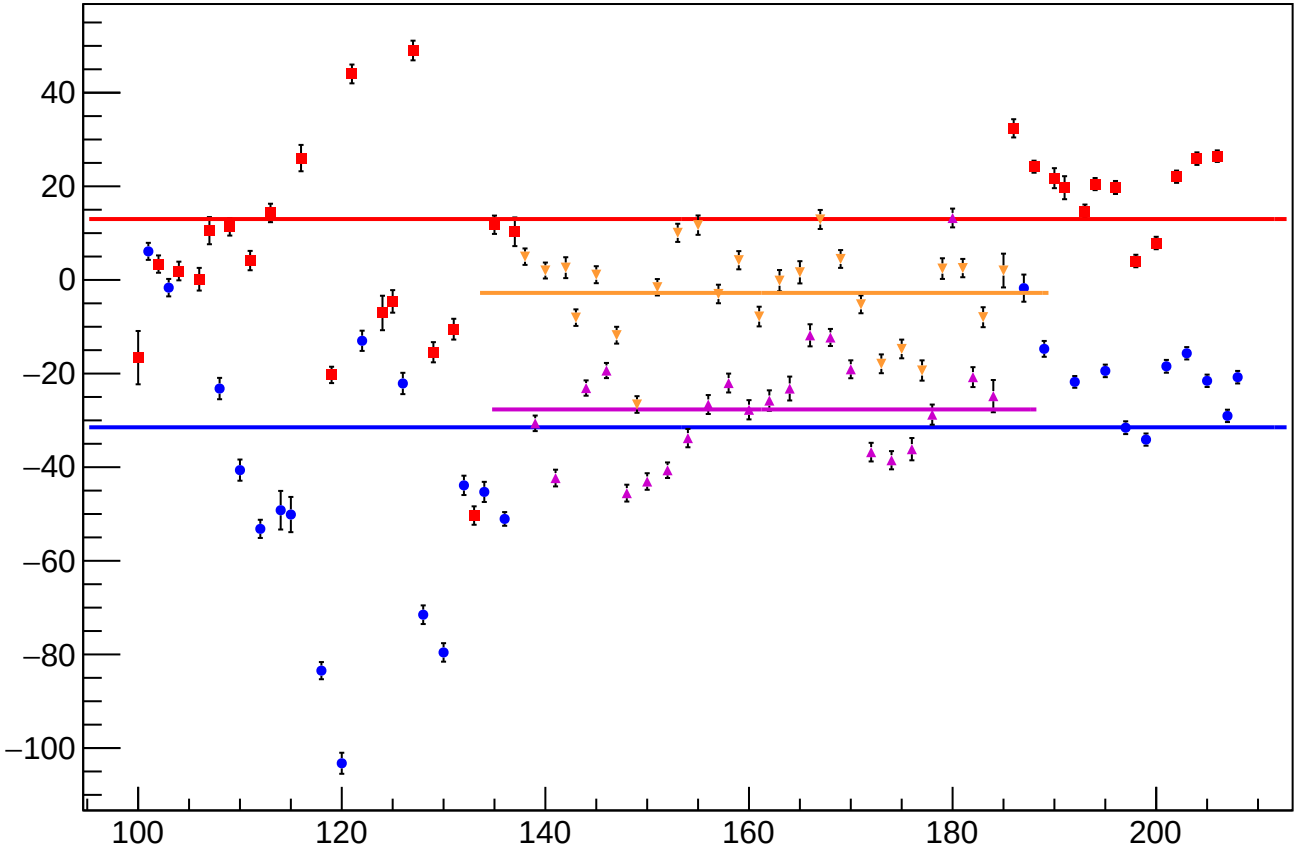
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 784.755+/-0.095 χ^2/NDF: 2668461.7/51

All: 783.142+/-0.068 χ^2/NDF: 5504954.5/105

- sign 781.520+/-0.096 χ^2/NDF: 2835919.9/53

diff_bpm0i02X_mean vs Slug



Right In: -31.476+/-0.328 χ^2/NDF: 4749.6/26

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 13.010+/-0.322 χ^2/NDF: 3032.7/30

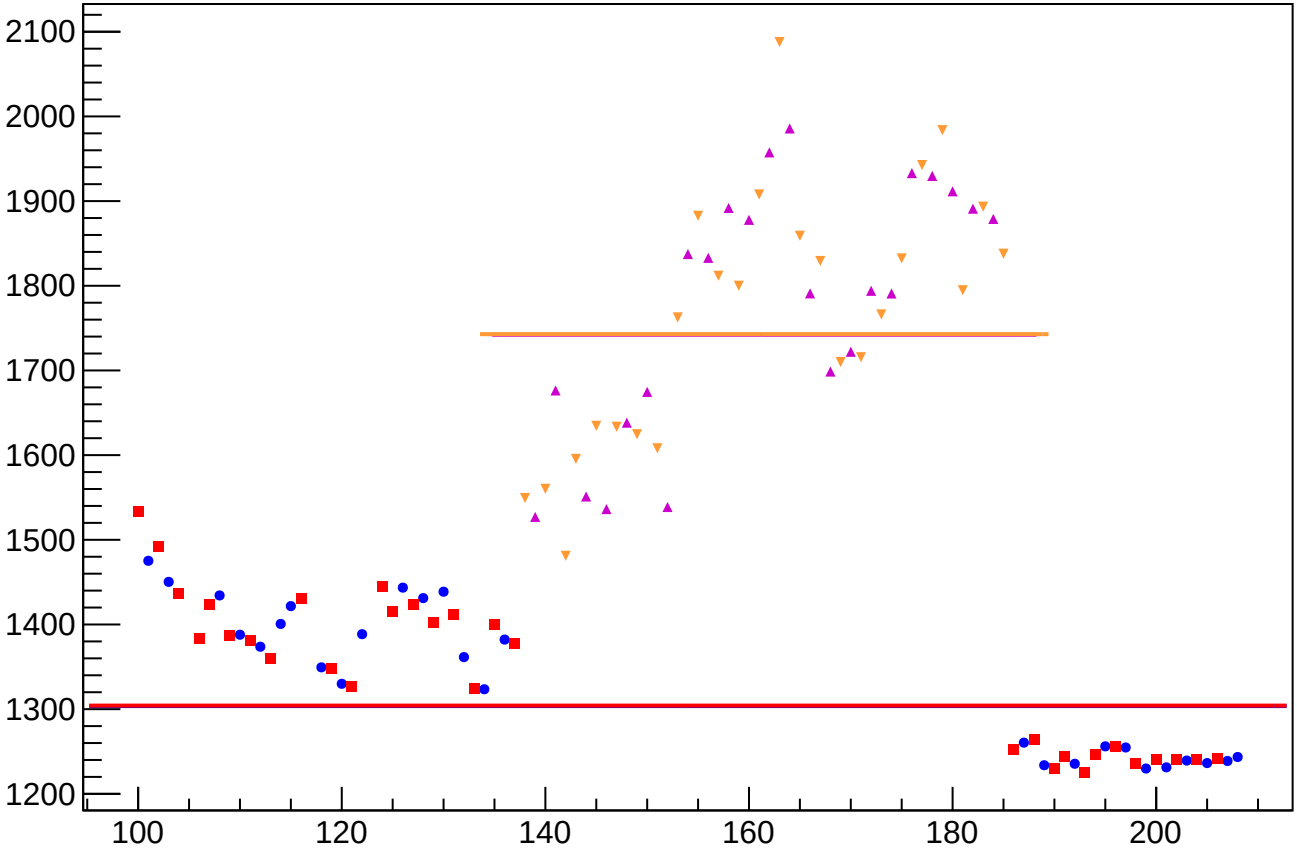
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

\+ sign -19.842+/-0.253 χ^2/NDF: 8469.3/51

All: -11.192+/-0.179 χ^2/NDF: 20941.4/105

\- sign -2.554+/-0.253 χ^2/NDF: 10135.8/53

diff_bpm0i02X_rms vs Slug



Right In: 1303.640+/-0.232 χ^2/NDF: 127949.9/26

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1304.205+/-0.228 χ^2/NDF: 124691.2/30

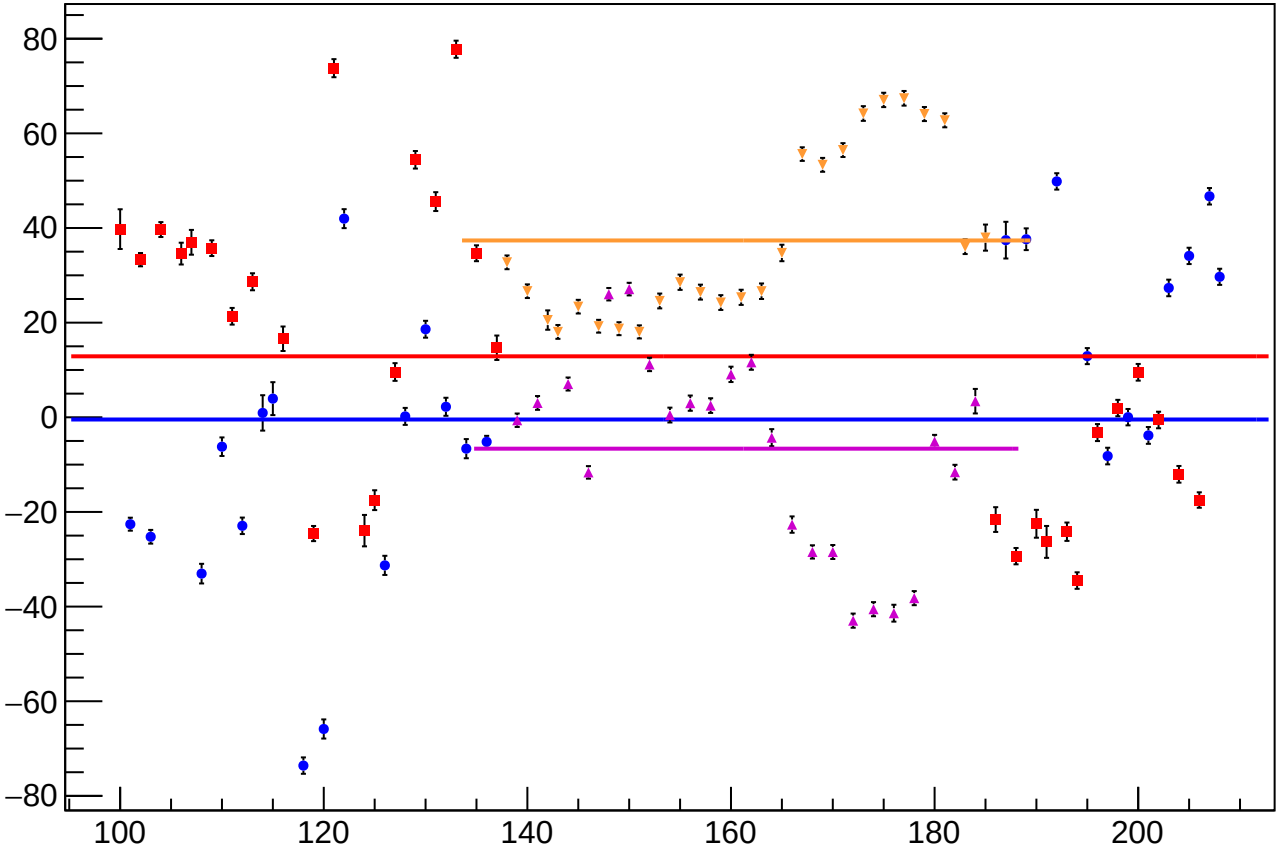
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1481.631+/-0.179 χ^2/NDF: 1843877.7/51

All: 1476.705+/-0.126 χ^2/NDF: 3649257.3/10

- sign 1471.785+/-0.179 χ^2/NDF: 1803864.1/53

diff_bpm0i02Y_mean vs Slug



Right In: -0.466+/-0.352 χ^2/NDF: 7624.0/26

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 12.886+/-0.346 χ^2/NDF: 8012.9/30

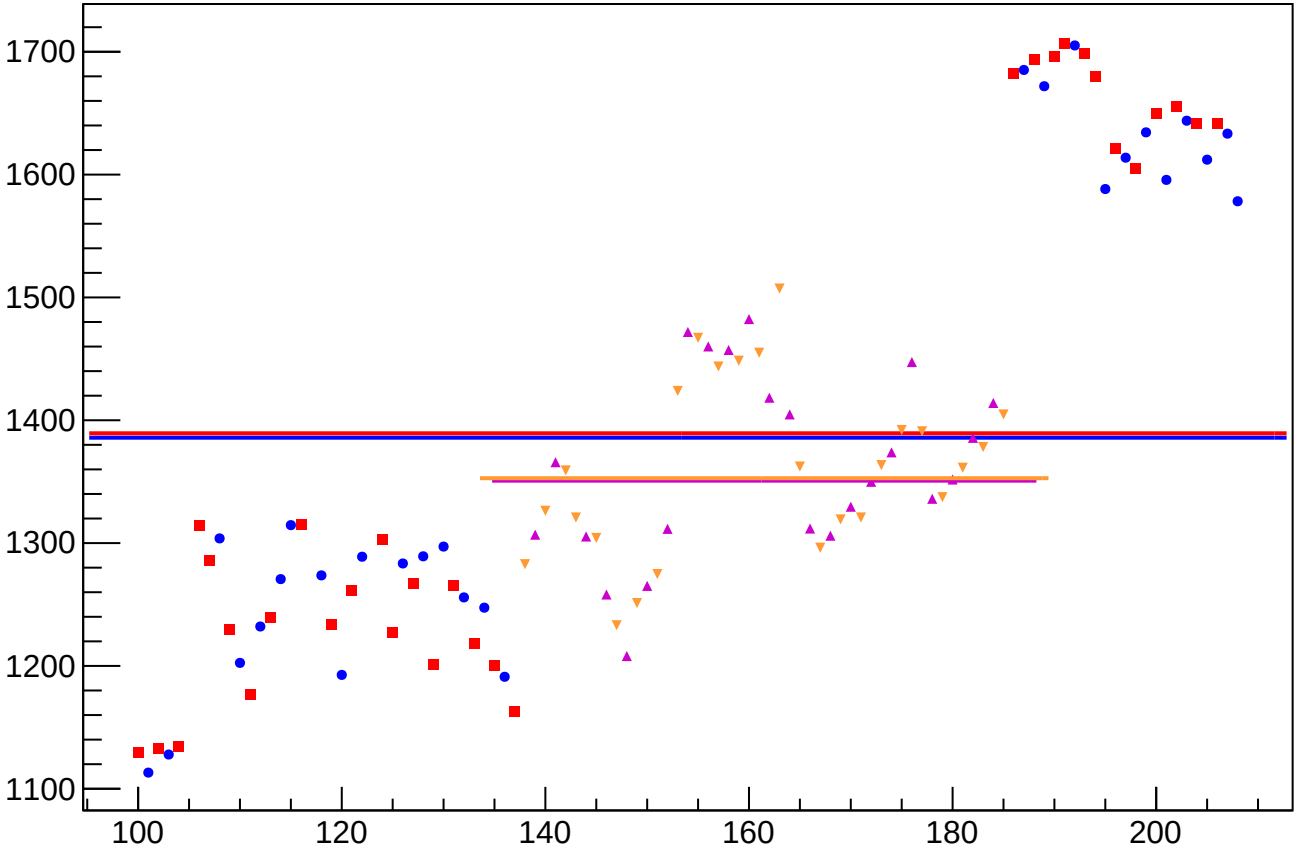
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

\+ sign 20.970+/-0.232 χ^2/NDF: 17566.0/51

All: 11.673+/-0.164 χ^2/NDF: 34964.7/105

\- sign 2.234+/-0.234 χ^2/NDF: 14155.1/53

diff_bpm0i02Y_rms vs Slug



Right In: 1385.810+/-0.249 χ^2/NDF: 680505.2/26

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1389.399+/-0.245 χ^2/NDF: 807410.1/30

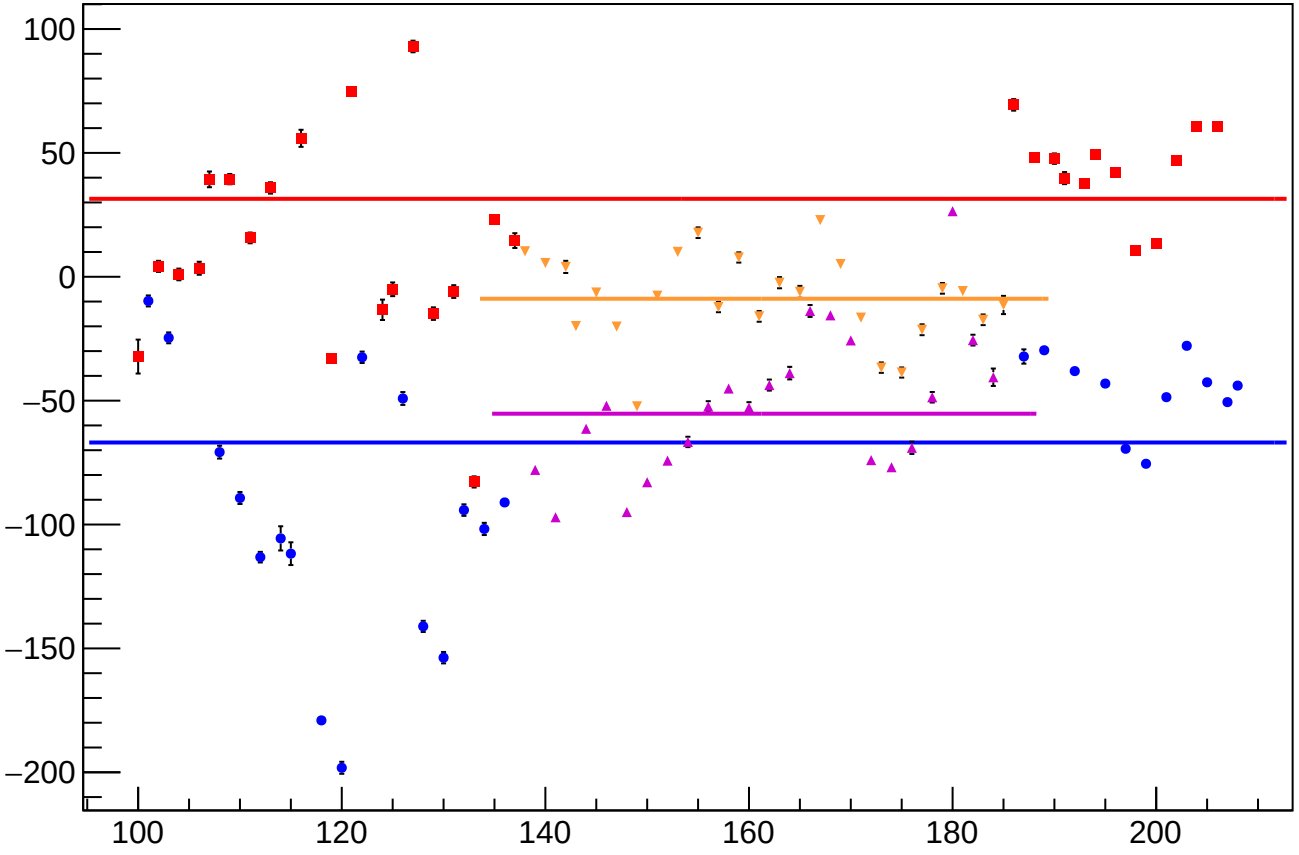
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1367.119+/-0.164 χ^2/NDF: 795304.7/51

All: 1367.730+/-0.116 χ^2/NDF: 1724888.7/10

- sign 1368.349+/-0.165 χ^2/NDF: 929556.0/53

diff_bpm0i02aX_mean vs Slug



Right In: -66.890+/-0.367 χ^2/NDF: 13876.1/26

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 31.468+/-0.355 χ^2/NDF: 8256.6/30

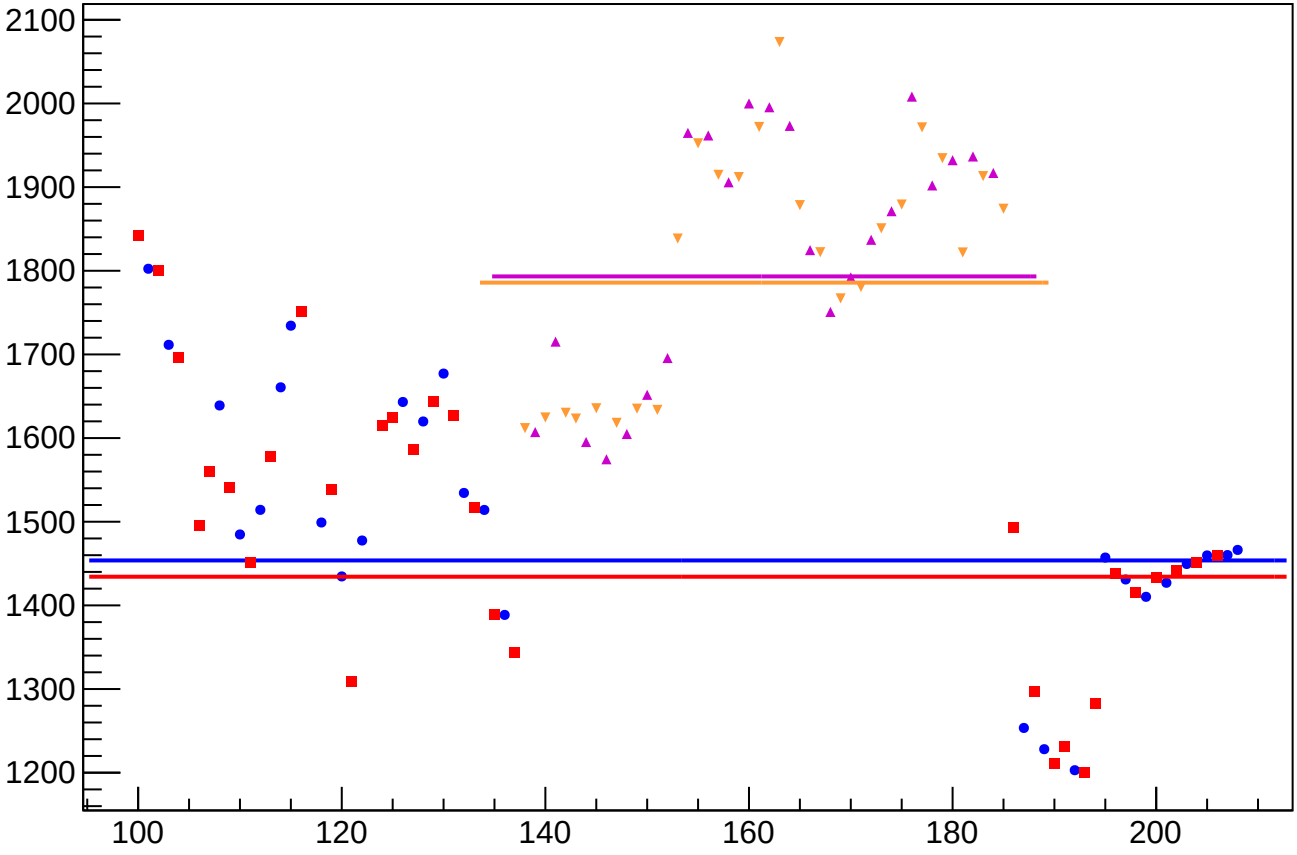
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

\+ sign -40.896+/-0.273 χ^2/NDF: 27042.8/51

All: -22.679+/-0.192 χ^2/NDF: 73772.8/105

\- sign -4.629+/-0.271 χ^2/NDF: 37833.8/53

diff_bpm0i02aX_rms vs Slug



Right In: 1453.715+/-0.259 χ^2/NDF: 281683.0/26

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1434.265+/-0.251 χ^2/NDF: 330881.6/30

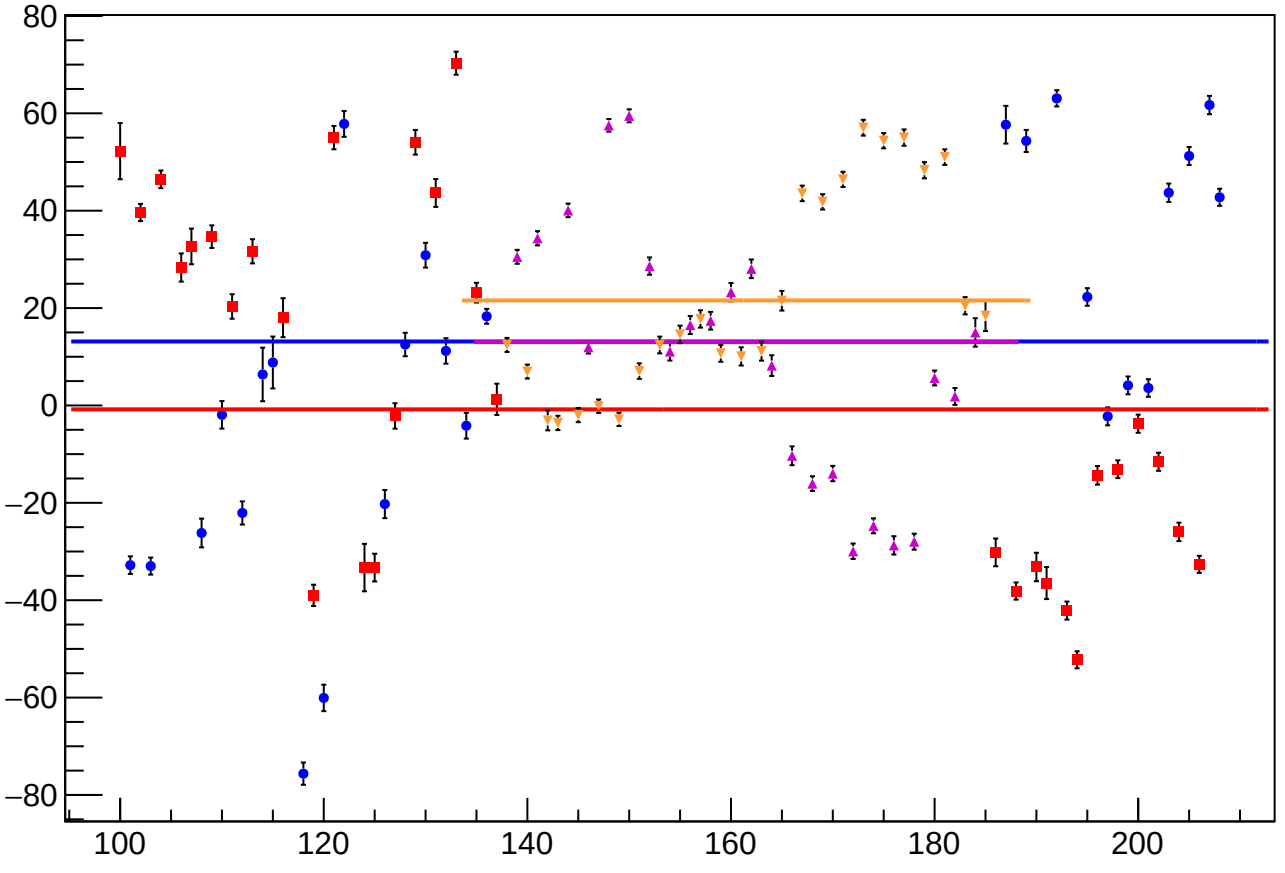
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1602.484+/-0.193 χ^2/NDF: 1253513.3/51

All: 1593.034+/-0.136 χ^2/NDF: 2693041.0/10

- sign 1583.670+/-0.192 χ^2/NDF: 1434739.6/53

diff_bpm0i02aY_mean vs Slug



Right In: 13.138+/-0.417 χ^2/NDF: 7661.8/26

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -0.802+/-0.411 χ^2/NDF: 7525.2/30

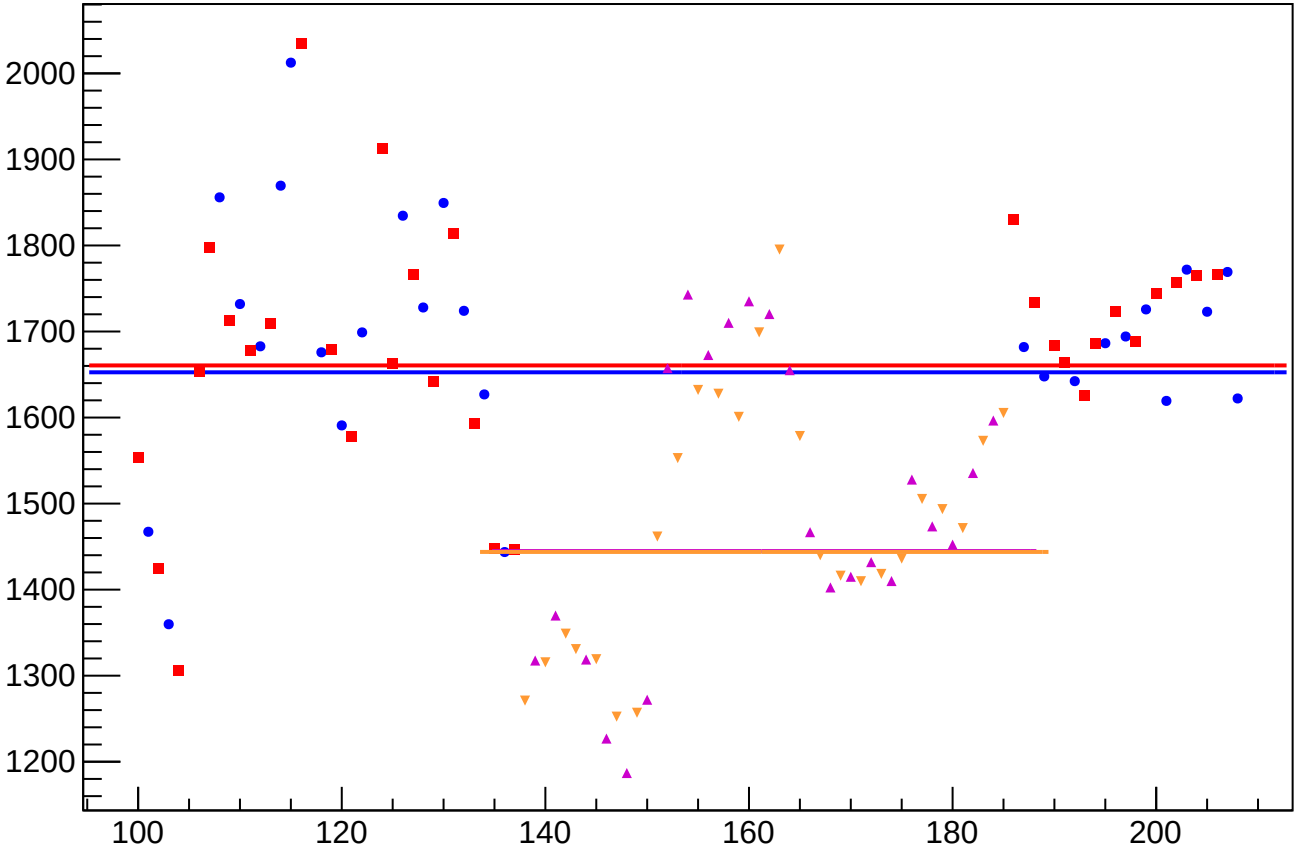
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

\+ sign 18.322+/-0.259 χ^2/NDF: 12073.9/51

All: 12.925+/-0.184 χ^2/NDF: 27778.6/105

\- sign 7.395+/-0.262 χ^2/NDF: 14823.8/53

diff_bpm0i02aY_rms vs Slug



Right In: 1652.587+/-0.295 χ^2/NDF: 188191.9/26

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1660.576+/-0.290 χ^2/NDF: 221903.2/30

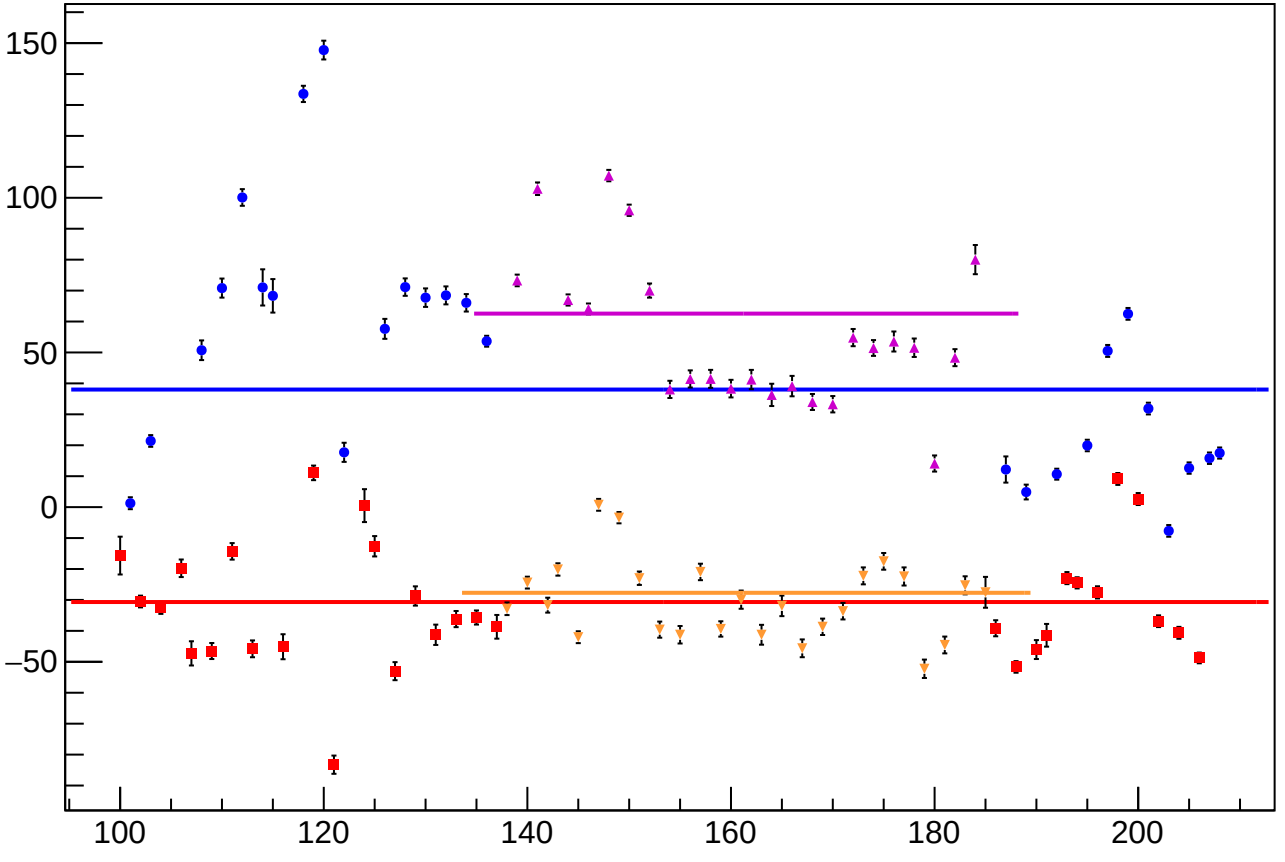
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1524.200+/-0.183 χ^2/NDF: 848894.6/51

All: 1528.333+/-0.130 χ^2/NDF: 1884560.9/10

- sign 1532.568+/-0.185 χ^2/NDF: 1034633.0/53

diff_bpm0i05X_mean vs Slug



Right In: 38.009+/-0.445 χ^2/NDF: 6222.2/26

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -30.677+/-0.437 χ^2/NDF: 2005.8/30

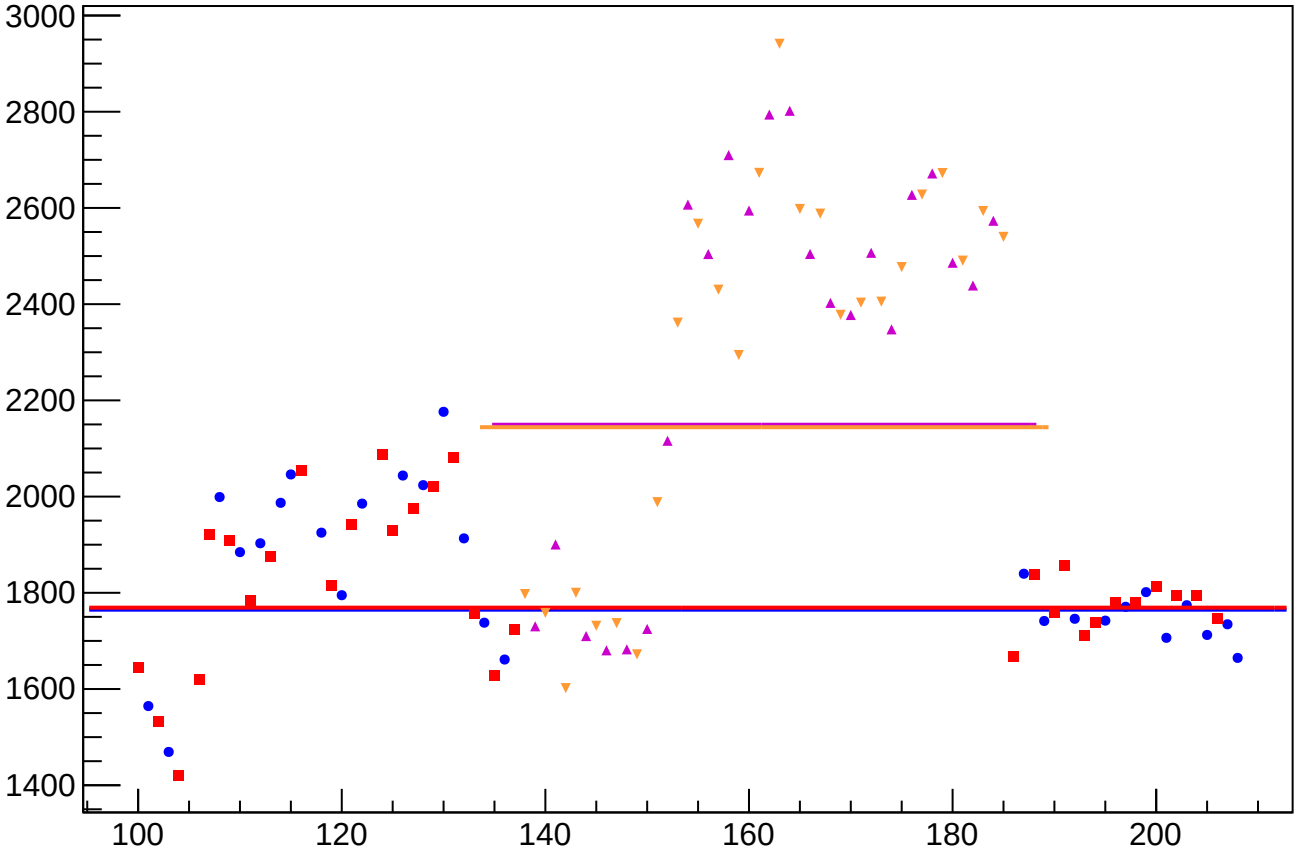
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 8.694+/-0.331 χ^2/NDF: 16704.5/51

All: 8.678+/-0.235 χ^2/NDF: 40355.3/105

- sign 8.663+/-0.332 χ^2/NDF: 23650.8/53

diff_bpm0i05X_rms vs Slug



Right In: 1764.954+/-0.315 χ^2/NDF: 209994.9/26

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1769.123+/-0.309 χ^2/NDF: 201387.9/30

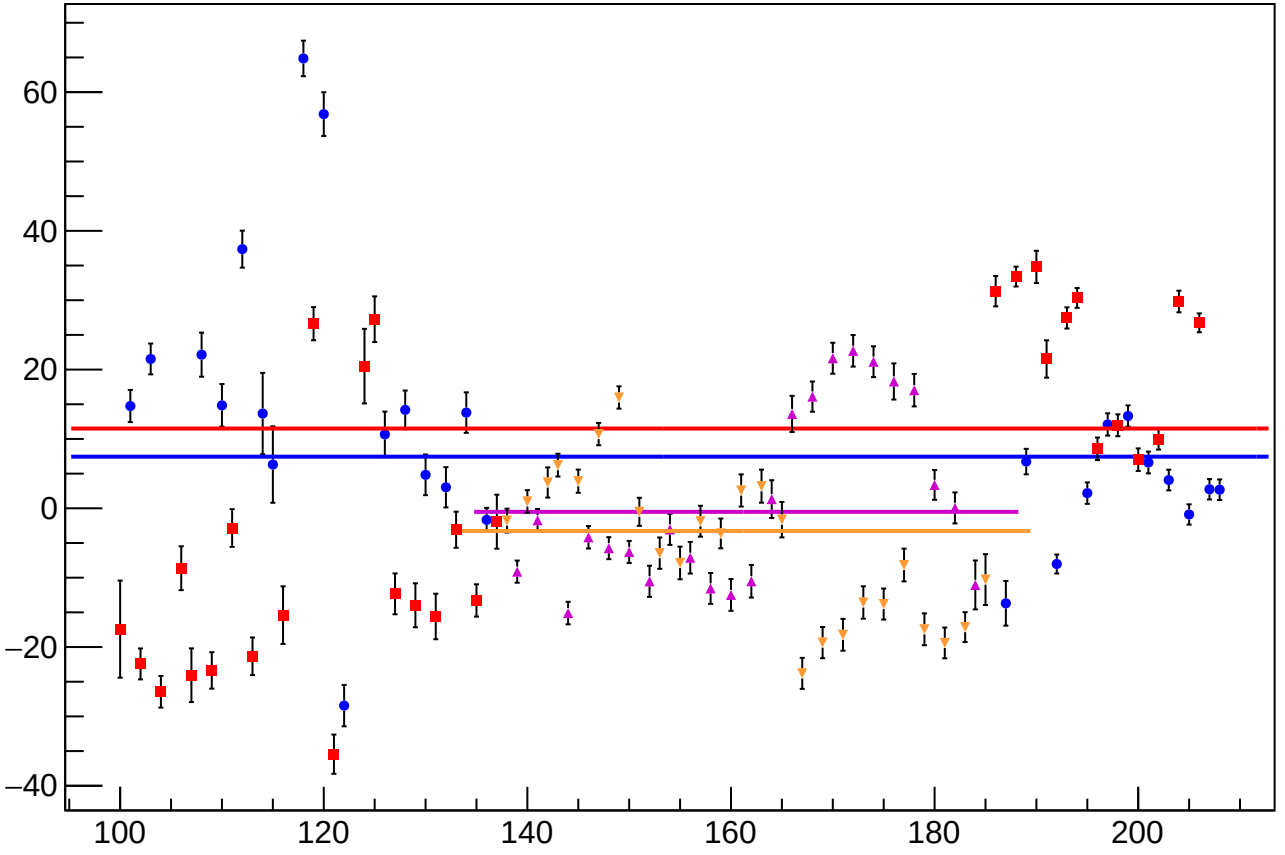
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1934.180+/-0.234 χ^2/NDF: 2137381.9/51

All: 1931.877+/-0.166 χ^2/NDF: 4242920.2/10

- sign 1929.560+/-0.235 χ^2/NDF: 2105344.6/53

diff_bpm0i05Y_mean vs Slug



Right In: 7.446+/-0.393 χ^2/NDF: 1403.6/26

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 11.502+/-0.387 χ^2/NDF: 2725.8/30

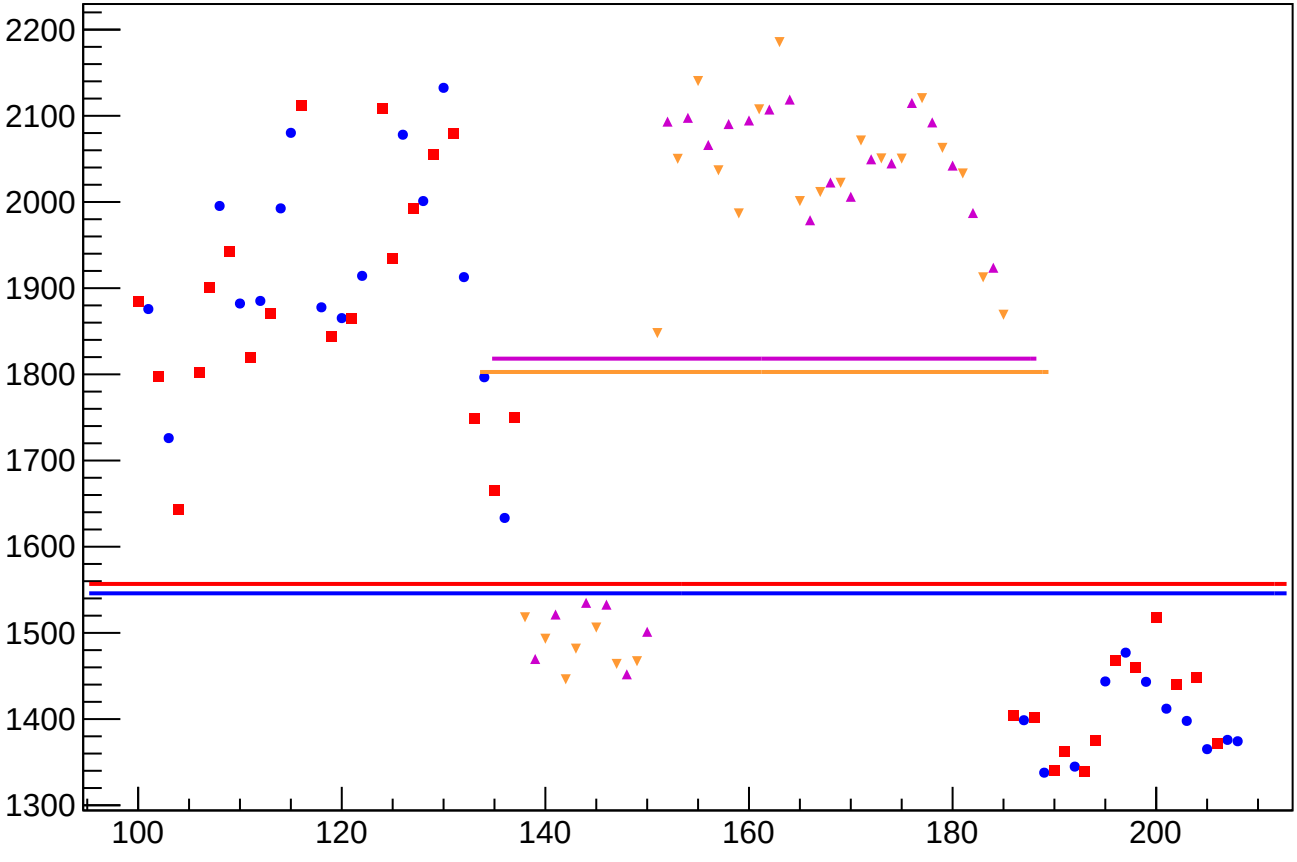
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 2.372+/-0.285 χ^2/NDF: 2426.8/51

All: 4.227+/-0.203 χ^2/NDF: 6414.7/105

- sign 6.116+/-0.288 χ^2/NDF: 3902.5/53

diff_bpm0i05Y_rms vs Slug



Right In: 1545.913+/-0.278 χ^2/NDF: 716187.0/26

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1556.812+/-0.274 χ^2/NDF: 652724.7/30

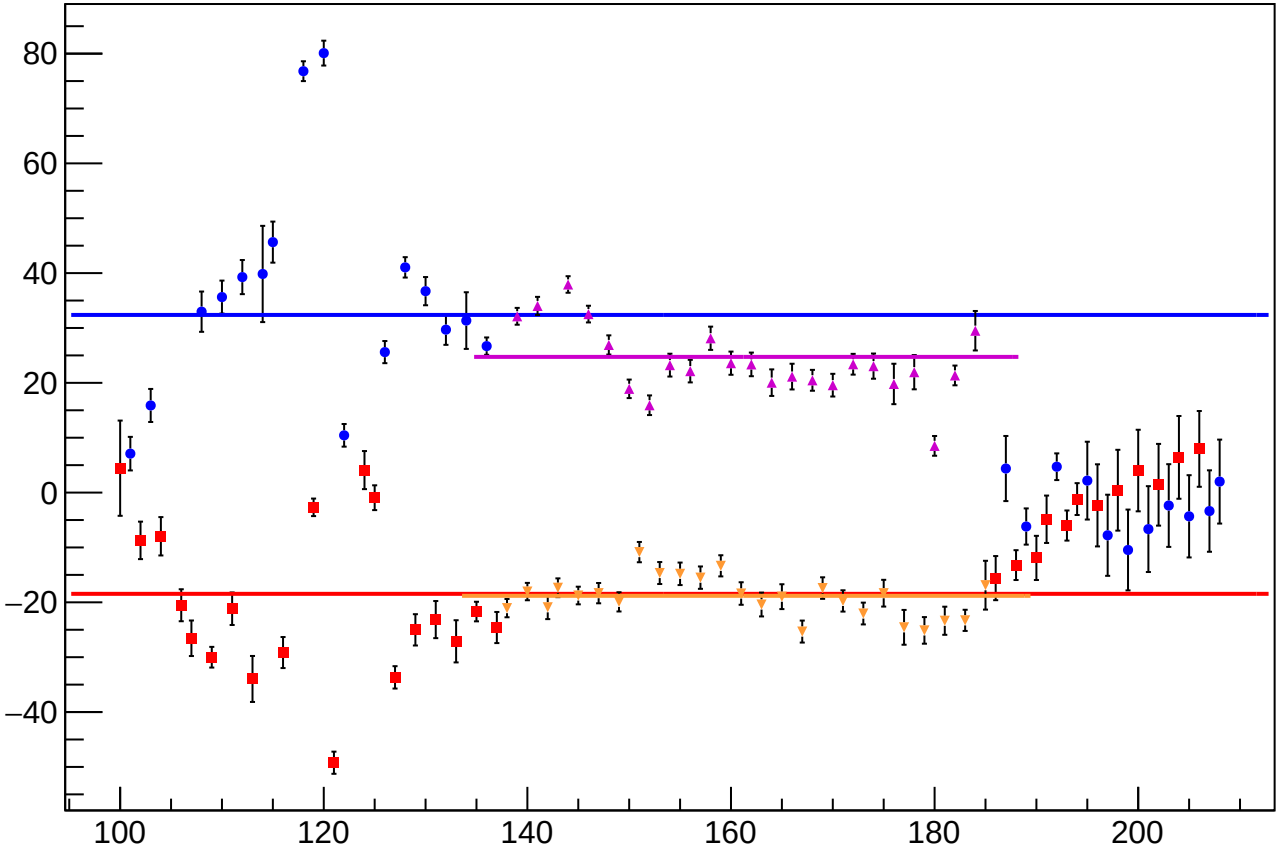
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1667.458+/-0.202 χ^2/NDF: 2017774.5/51

All: 1670.710+/-0.143 χ^2/NDF: 3919548.9/10

- sign 1674.020+/-0.203 χ^2/NDF: 1901249.9/53

diff_bpm0i07X_mean vs Slug



Right In: 32.378+/-0.576 χ^2/NDF: 1806.6/26

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -18.453+/-0.533 χ^2/NDF: 731.5/30

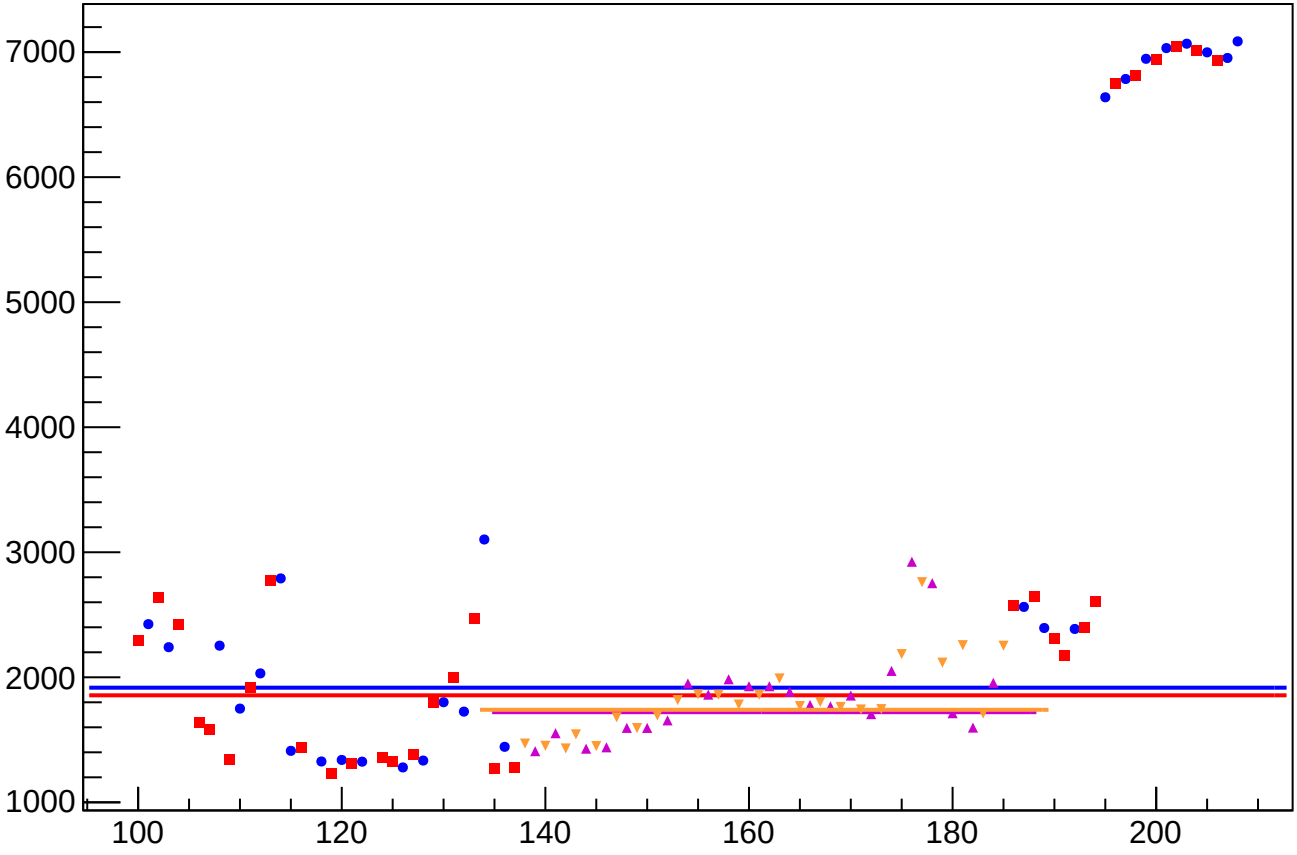
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

+ sign -2.050+/-0.330 χ^2/NDF: 7194.6/51

All: 3.431+/-0.231 χ^2/NDF: 12911.4/105

- sign 8.740+/-0.324 χ^2/NDF: 5172.4/53

diff_bpm0i07X_rms vs Slug



Right In: 1916.820+/-0.407 χ^2/NDF: 8732143.6/26

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1855.889+/-0.377 χ^2/NDF: 7708820.2/30

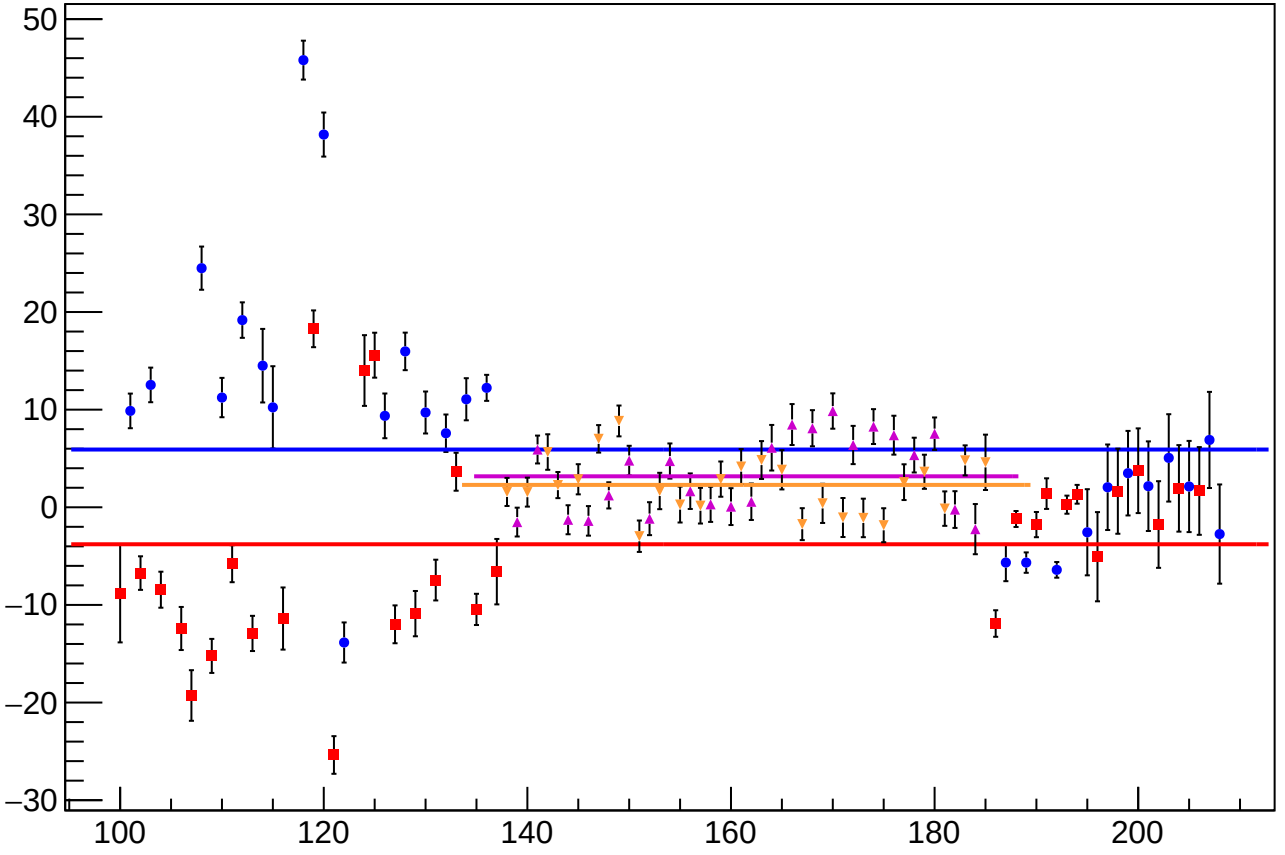
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

\+ sign 1797.967+/-0.233 χ^2/NDF: 9612161.2/51

All: 1784.199+/-0.163 χ^2/NDF: 18292647.8/1

\- sign 1770.864+/-0.229 χ^2/NDF: 8673617.1/53

diff_bpm0i07Y_mean vs Slug



Right In: 5.915+/-0.377 χ^2/NDF: 1319.3/26

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -3.787+/-0.318 χ^2/NDF: 671.9/30

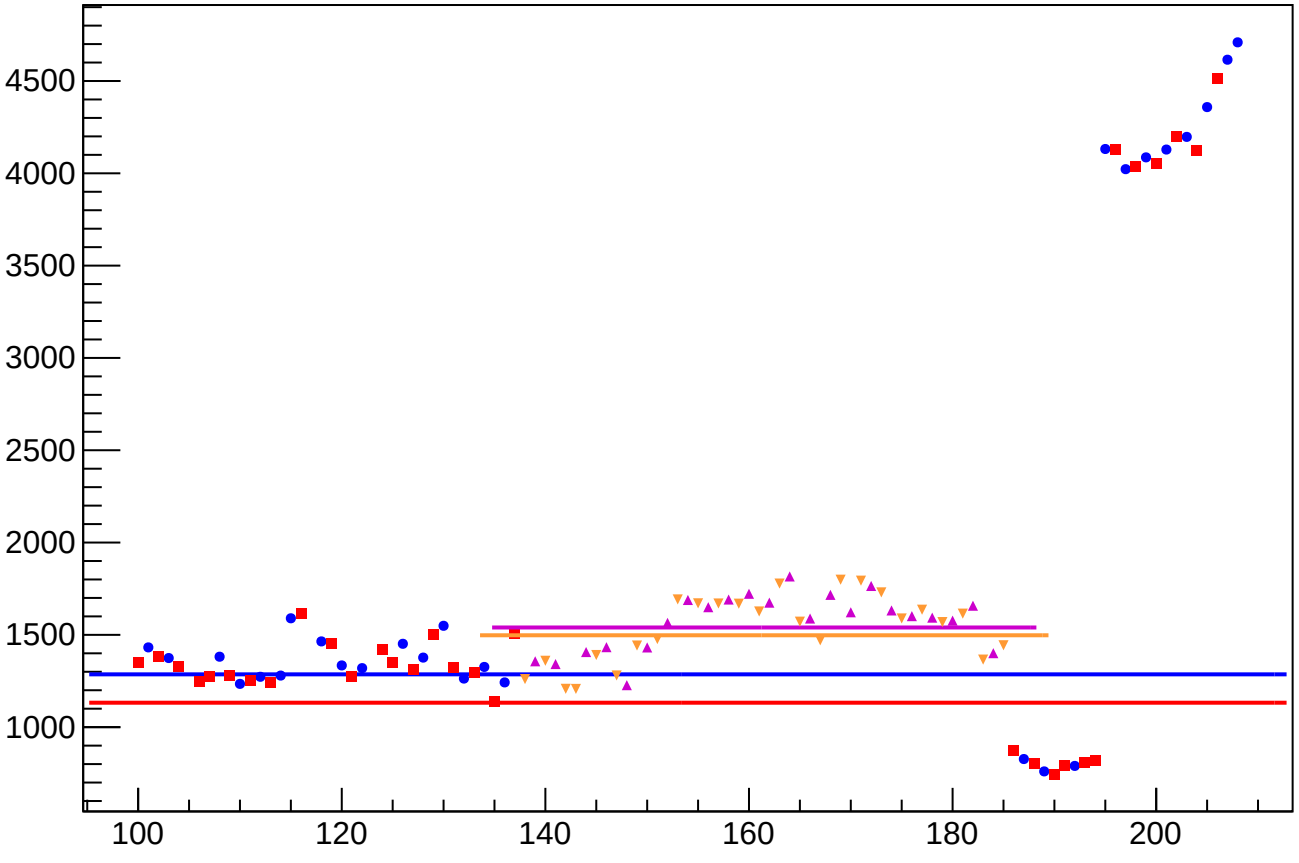
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 3.938+/-0.254 χ^2/NDF: 1443.3/51

All: 1.451+/-0.174 χ^2/NDF: 2615.1/105

- sign -0.757+/-0.239 χ^2/NDF: 990.5/53

diff_bpm0i07Y_rms vs Slug



Right In: 1286.095+/-0.266 χ^2/NDF: 8235669.0/26

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

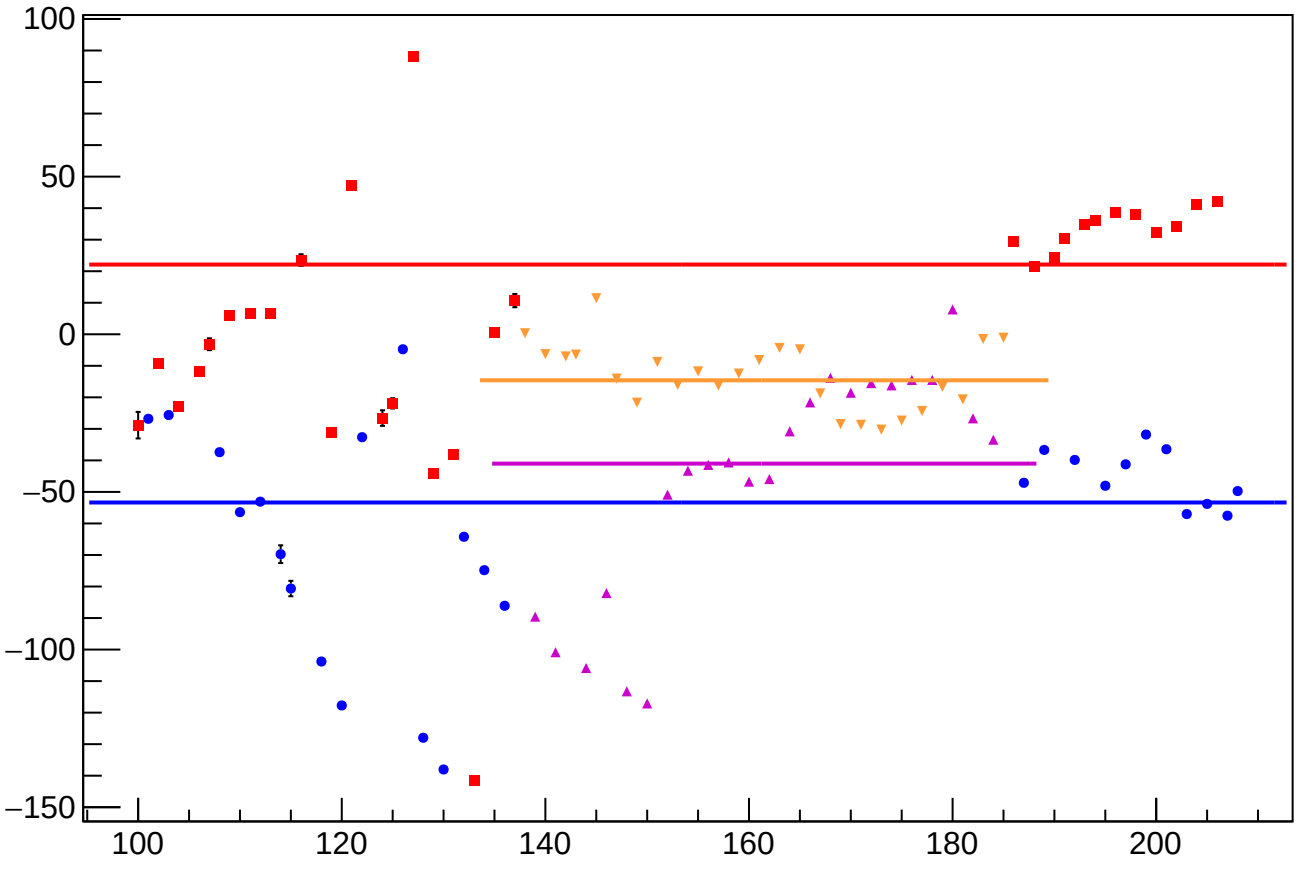
Right Out: 1132.450+/-0.225 χ^2/NDF: 7158010.1/30

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1401.622+/-0.179 χ^2/NDF: 9149028.9/51

All: 1352.996+/-0.123 χ^2/NDF: 18253150.5/1

- sign 1309.820+/-0.169 χ^2/NDF: 8965496.5/53



Right In: -53.351+/-0.184 χ^2/NDF: 17828.6/26

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 22.114+/-0.182 χ^2/NDF: 32087.2/30

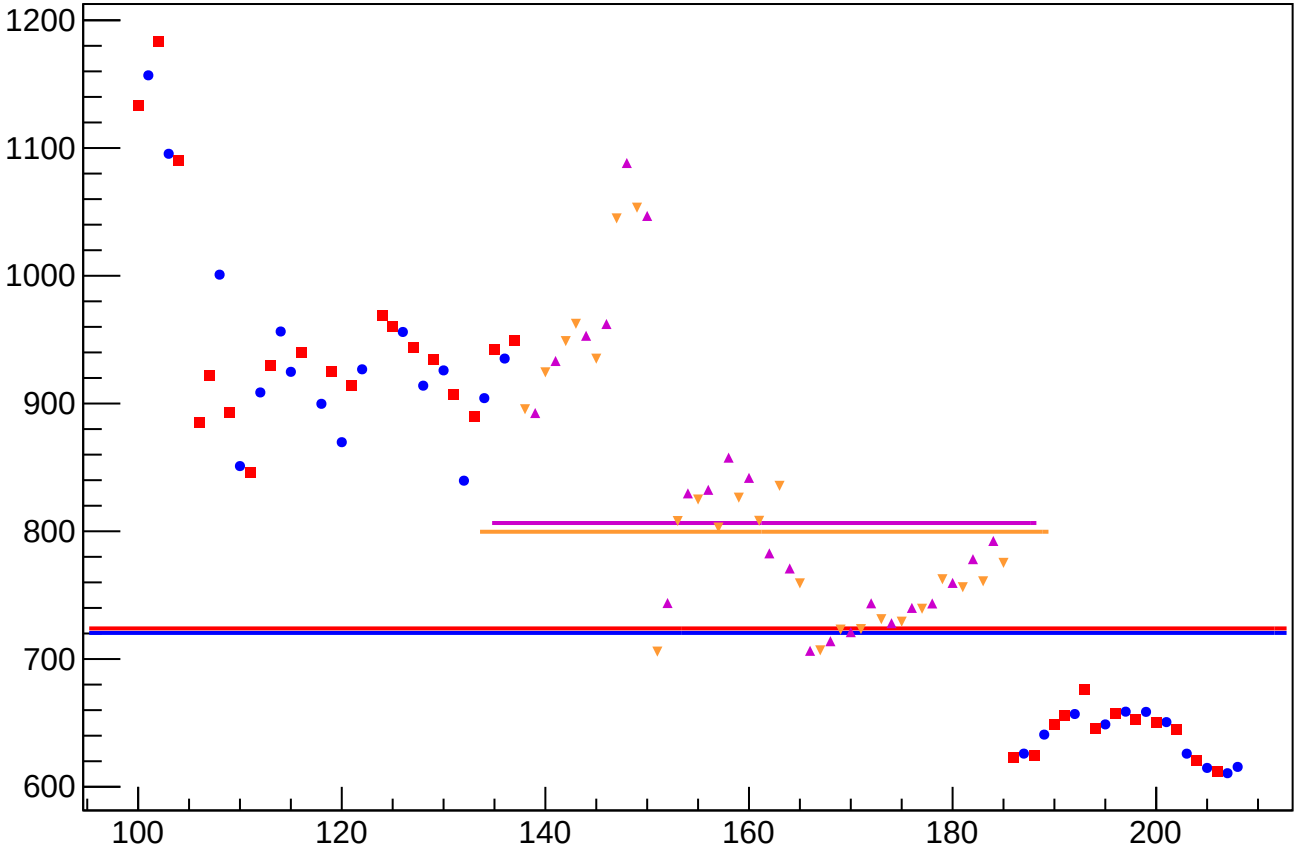
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -33.815+/-0.130 χ^2/NDF: 43239.8/51

All: -21.076+/-0.092 χ^2/NDF: 183586.6/105

- sign -8.073+/-0.131 χ^2/NDF: 120910.2/53

diff_bpm1i02X_rms vs Slug



Right In: 720.445+/-0.130 χ^2/NDF: 1185486.7/26

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 723.970+/-0.128 χ^2/NDF: 1218470.3/30

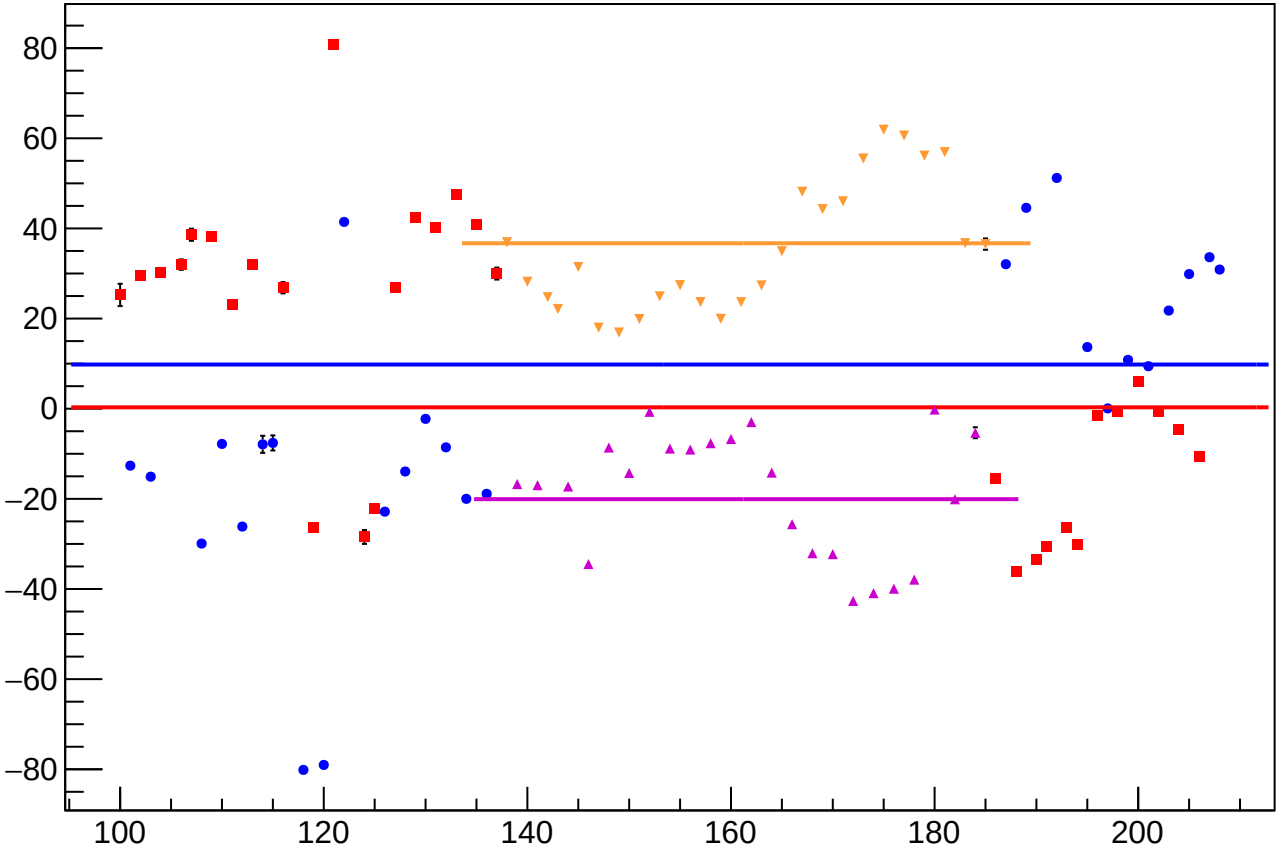
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 760.368+/-0.092 χ^2/NDF: 1868768.0/51

All: 761.878+/-0.065 χ^2/NDF: 3796357.0/105

- sign 763.420+/-0.093 χ^2/NDF: 1927042.3/53

diff_bpm1i02Y_mean vs Slug



Right In: 9.802+/-0.136 χ^2/NDF: 45507.8/26

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 0.310+/-0.133 χ^2/NDF: 43630.8/30

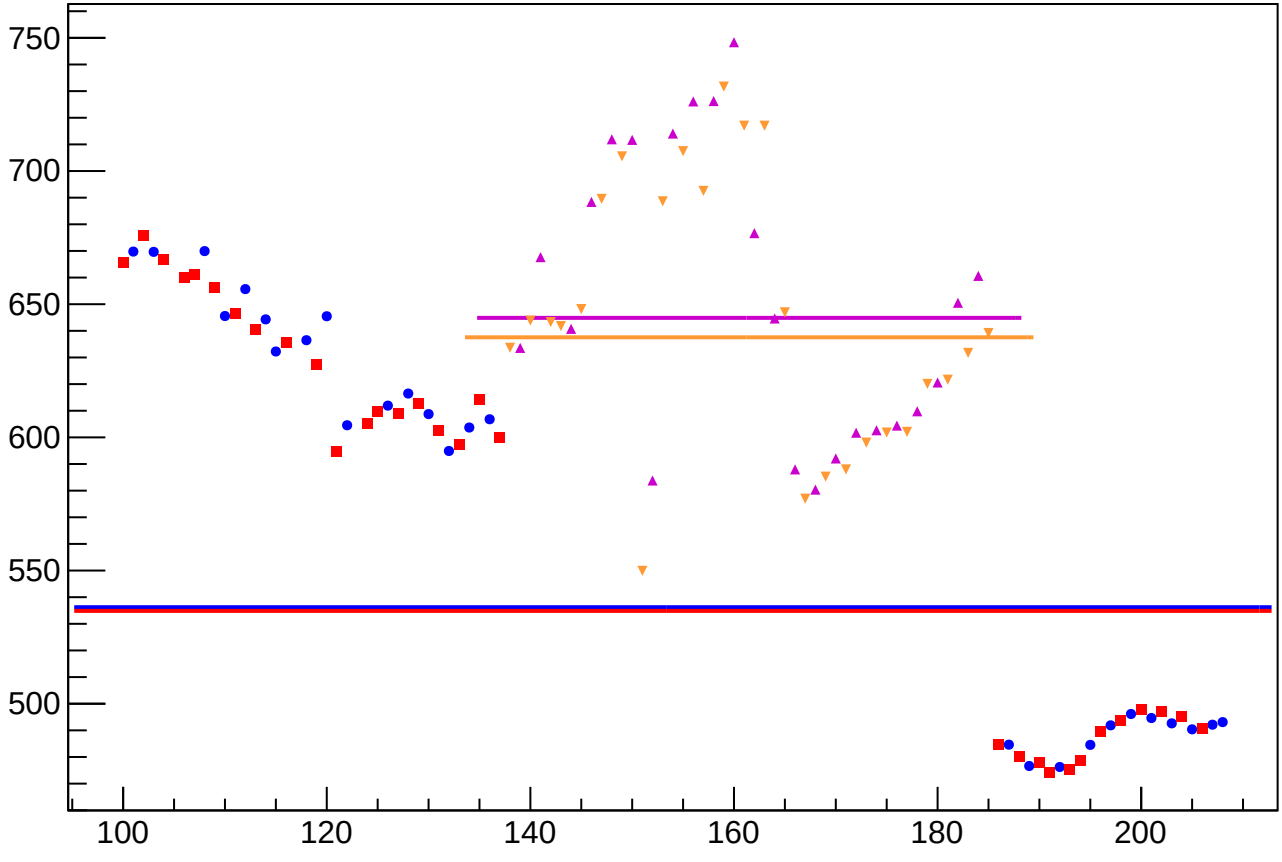
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 22.329+/-0.099 χ^2/NDF: 74024.8/51

All: 6.968+/-0.070 χ^2/NDF: 184653.1/105

- sign -8.560+/-0.100 χ^2/NDF: 62446.6/53

diff_bpm1i02Y_rms vs Slug



Right In: 536.231+/-0.096 χ^2/NDF: 508822.4/26

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 534.860+/-0.094 χ^2/NDF: 540263.4/30

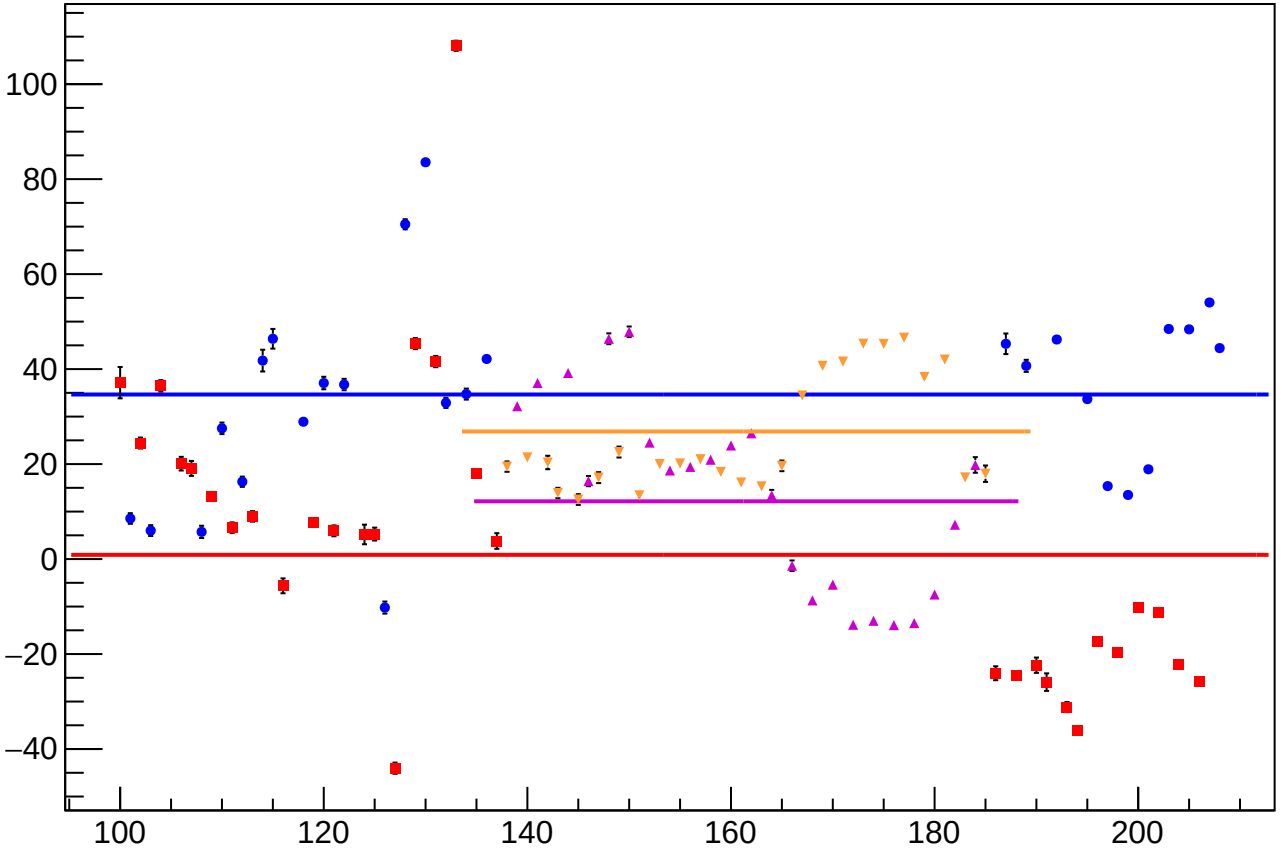
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 583.421+/-0.070 χ^2/NDF: 1264286.1/51

All: 583.083+/-0.050 χ^2/NDF: 2631855.8/105

- sign 582.741+/-0.071 χ^2/NDF: 1367523.0/53

diff_bpm1i04X_mean vs Slug



Right In: 34.651+/-0.214 χ^2/NDF: 8804.1/26

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 0.887+/-0.211 χ^2/NDF: 22527.1/30

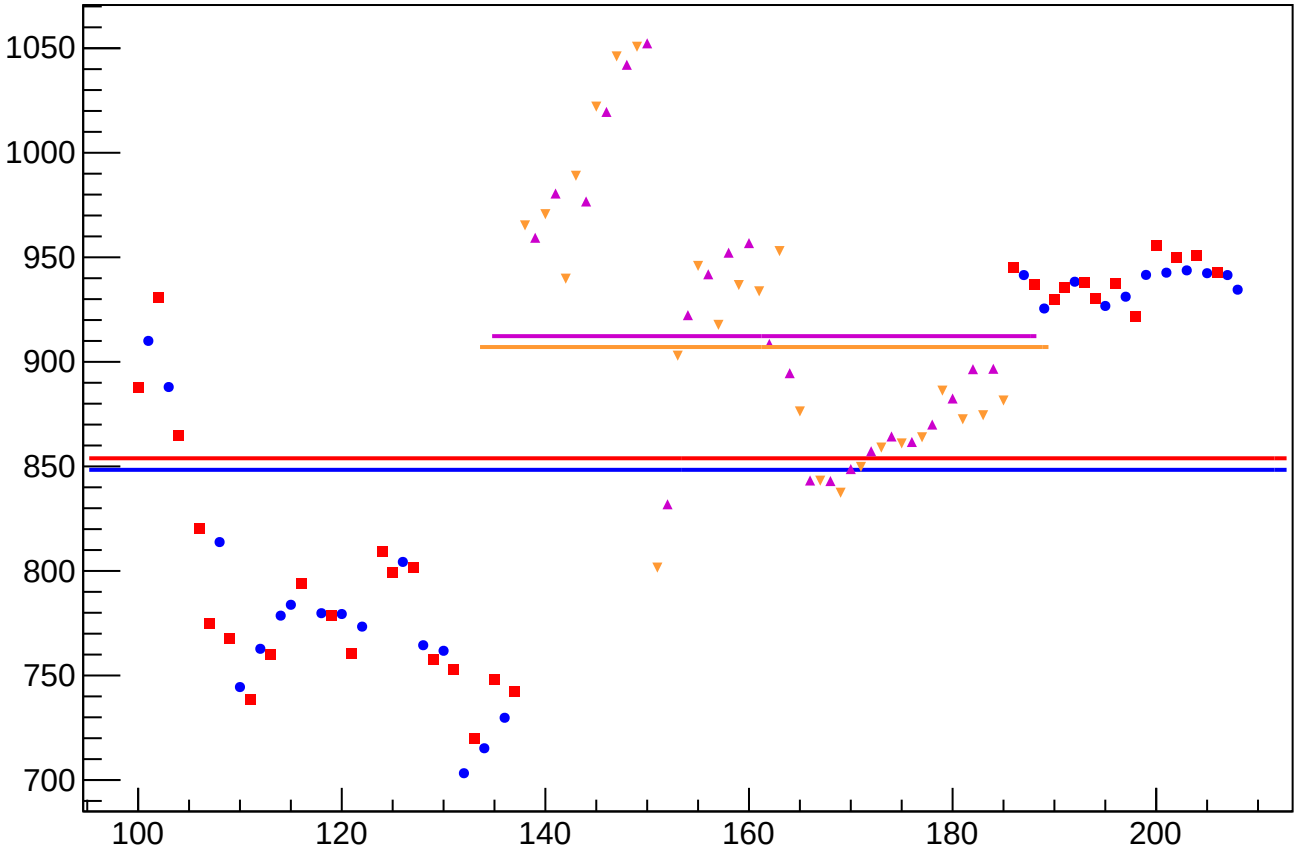
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

\+ sign 30.618+/-0.149 χ^2/NDF: 12878.2/51

All: 18.660+/-0.106 χ^2/NDF: 58411.0/105

\- sign 6.461+/-0.150 χ^2/NDF: 32480.6/53

diff_bpm1i04X_rms vs Slug



Right In: 848.361+/-0.152 χ^2/NDF: 356972.2/26

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 853.882+/-0.149 χ^2/NDF: 342212.1/30

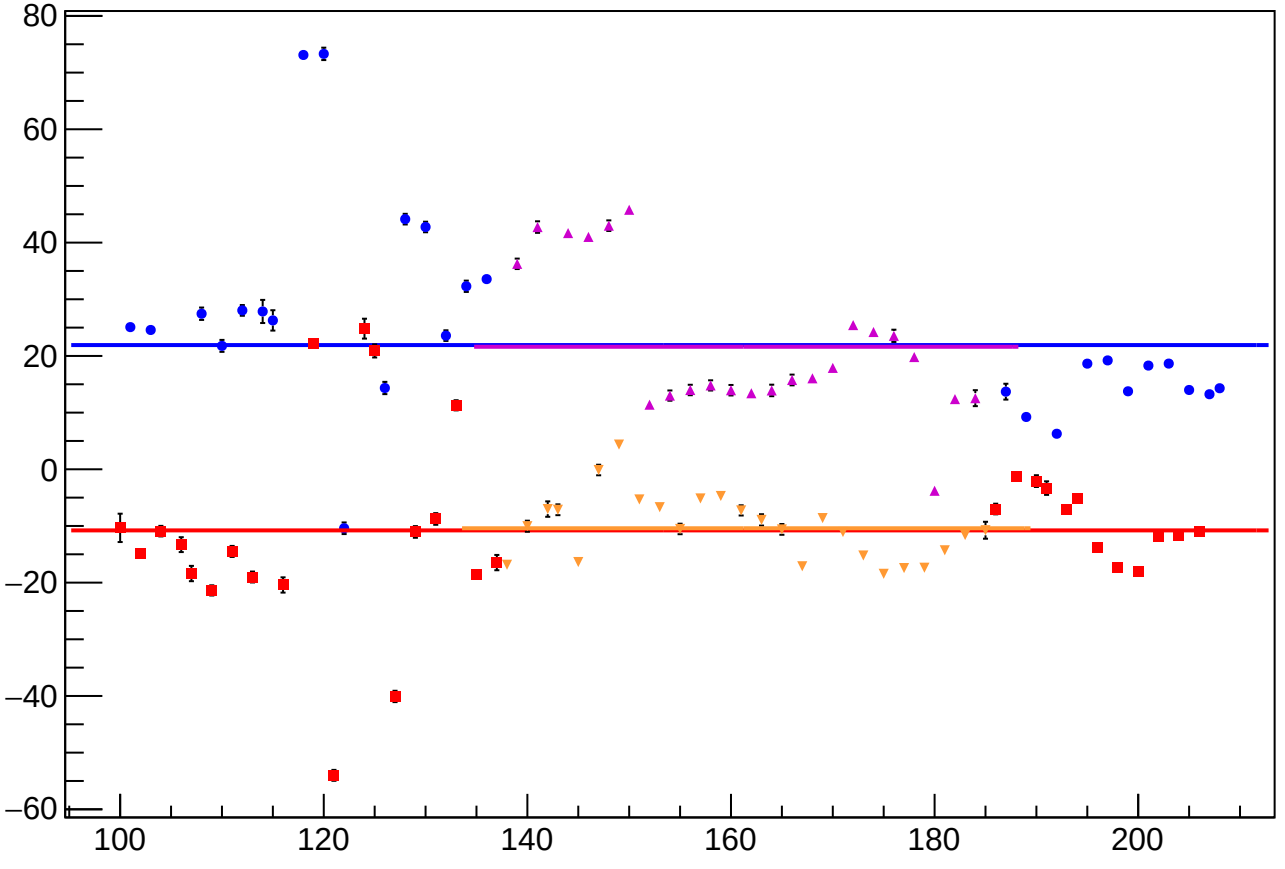
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 878.790+/-0.105 χ^2/NDF: 629398.3/51

All: 880.759+/-0.075 χ^2/NDF: 1222599.2/105

- sign 882.769+/-0.106 χ^2/NDF: 592492.6/53

diff_bpm1i04Y_mean vs Slug



Right In: 21.920+/-0.154 χ^2/NDF: 10006.3/26

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -10.782+/-0.155 χ^2/NDF: 7303.3/30

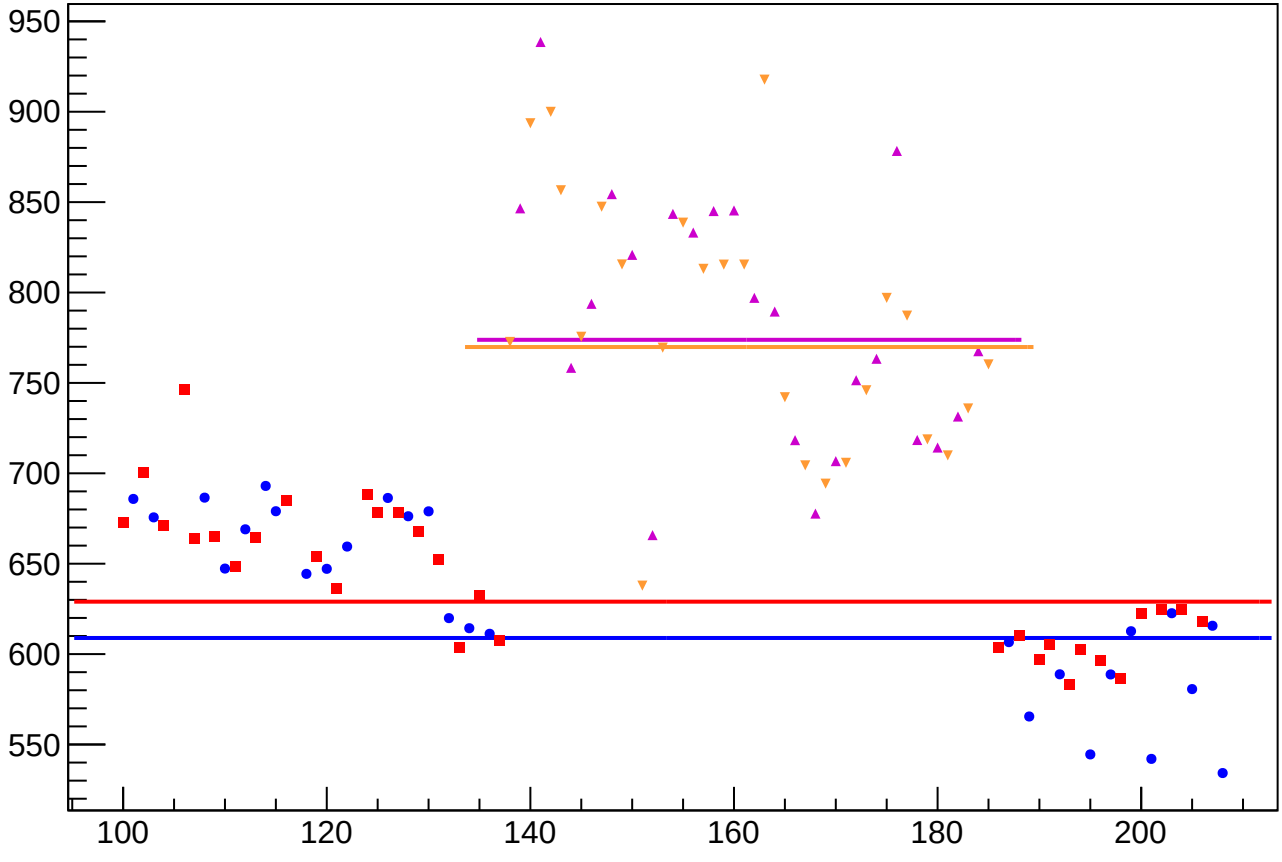
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 7.909+/-0.116 χ^2/NDF: 30161.6/51

All: 5.437+/-0.083 χ^2/NDF: 61990.1/105

- sign 2.870+/-0.118 χ^2/NDF: 30900.9/53

diff_bpm1i04Y_rms vs Slug



Right In: 608.915+/-0.109 χ^2/NDF: 194425.0/26

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 629.001+/-0.110 χ^2/NDF: 98215.8/30

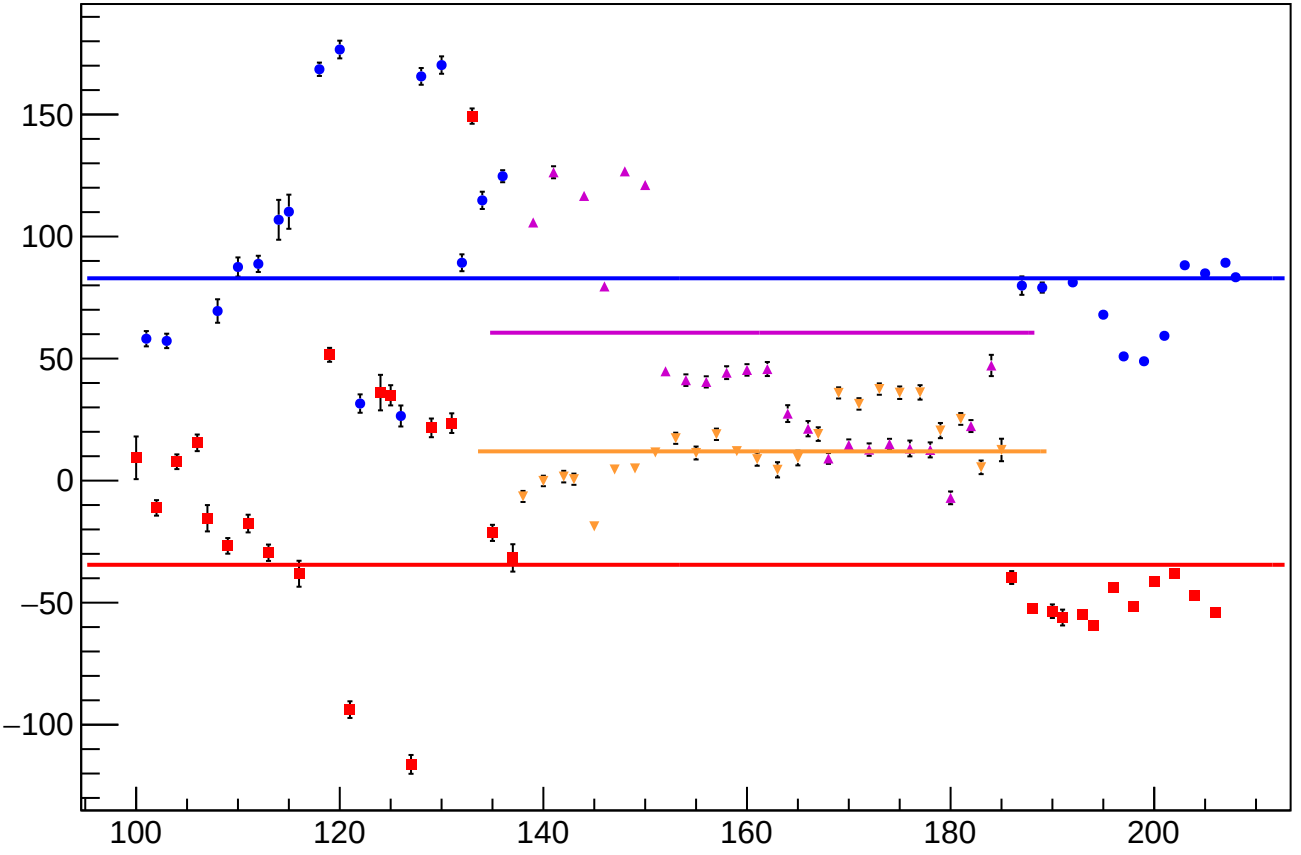
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 678.668+/-0.082 χ^2/NDF: 1446404.7/51

All: 684.240+/-0.058 χ^2/NDF: 2570433.2/105

- sign 690.028+/-0.084 χ^2/NDF: 1114600.0/53

diff_bpm1i06X_mean vs Slug



Right In: 82.894+/-0.468 χ^2/NDF: 4696.7/26

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -34.483+/-0.471 χ^2/NDF: 7298.9/30

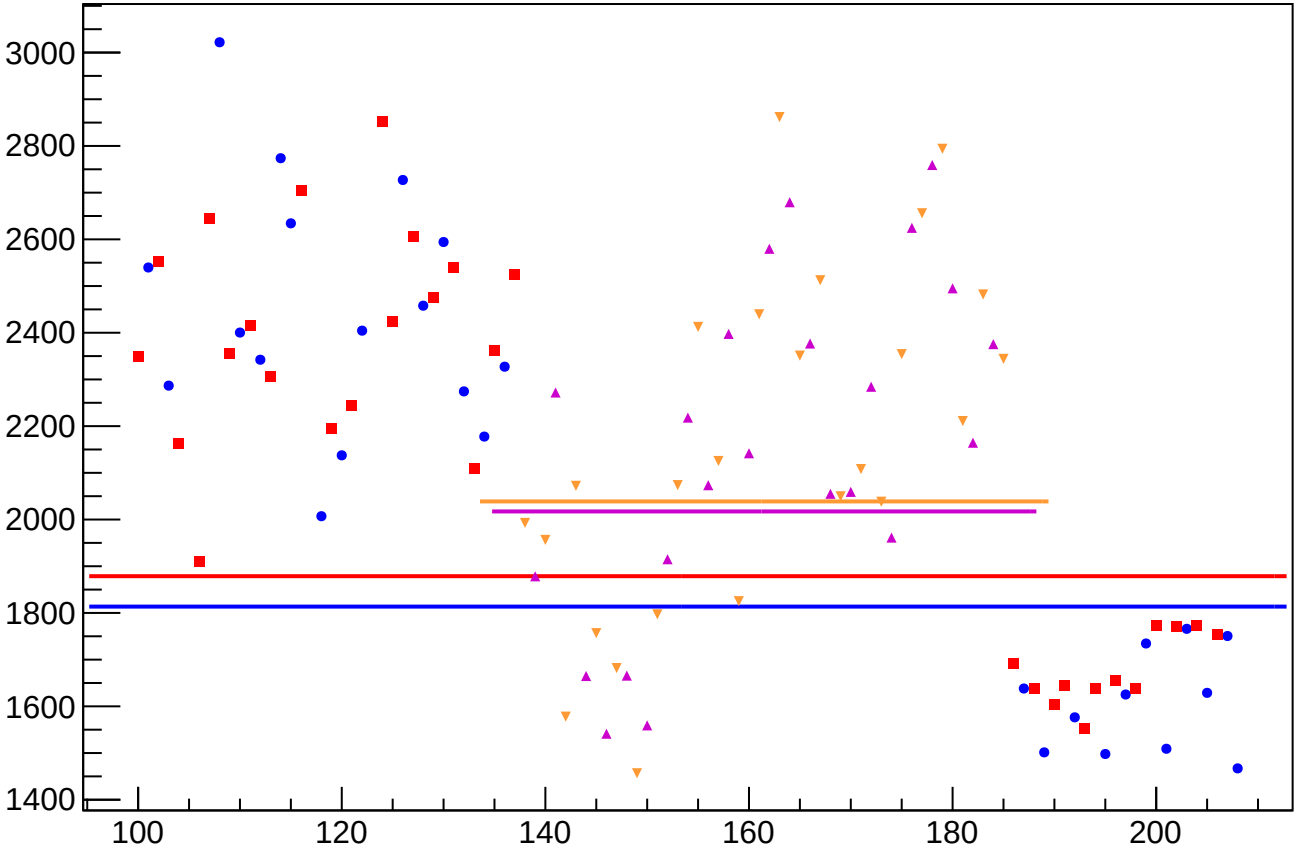
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 47.732+/-0.332 χ^2/NDF: 17041.9/51

All: 30.129+/-0.236 χ^2/NDF: 58631.2/105

- sign 12.056+/-0.336 χ^2/NDF: 35893.5/53

diff_bpm1i06X_rms vs Slug



Right In: 1813.576+/-0.331 χ^2/NDF: 1285664.2/26

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1878.699+/-0.333 χ^2/NDF: 978753.3/30

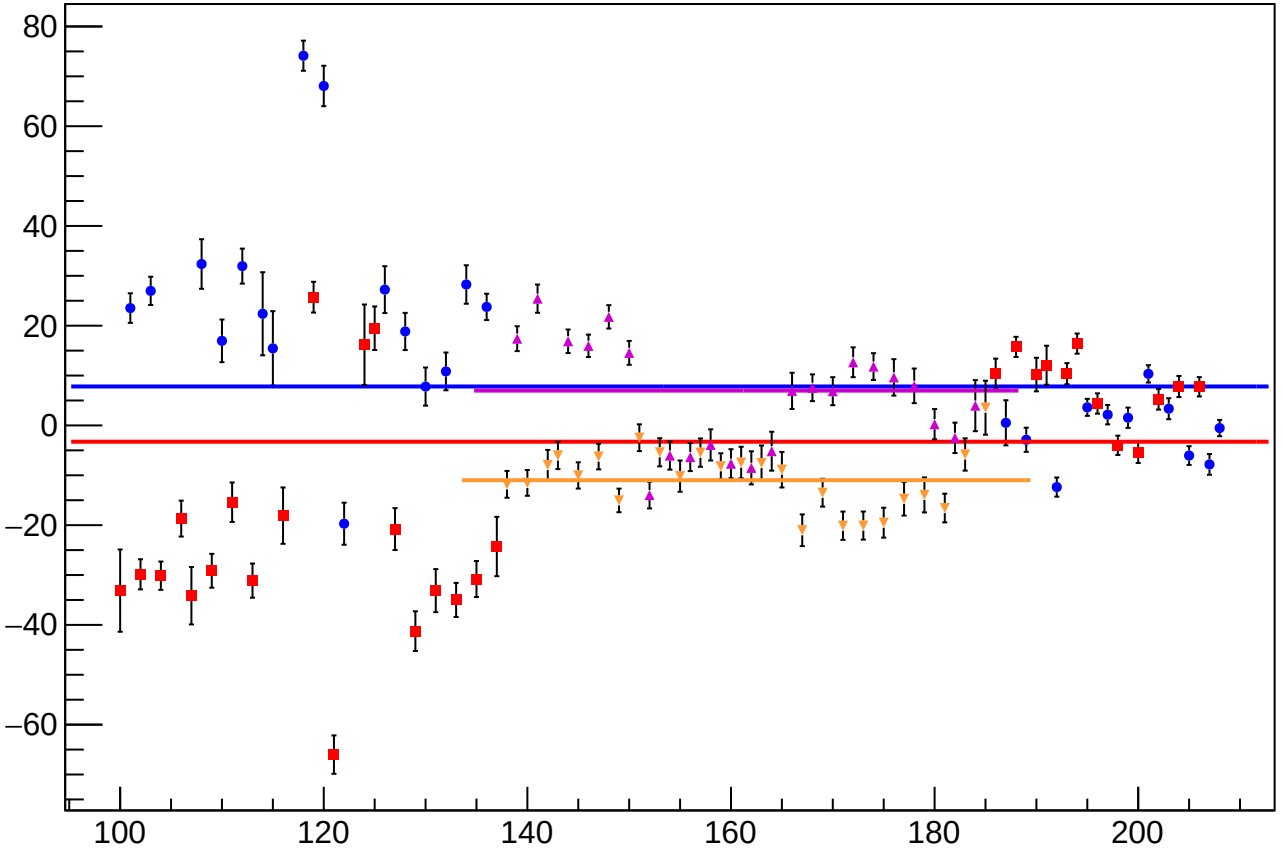
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 1925.255+/-0.235 χ^2/NDF: 2639155.1/51

All: 1935.764+/-0.167 χ^2/NDF: 4756858.8/10

- sign 1946.554+/-0.238 χ^2/NDF: 2113643.6/53

diff_bpm1i06Y_mean vs Slug



Right In: 7.809+/-0.505 χ^2/NDF: 1291.0/26

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

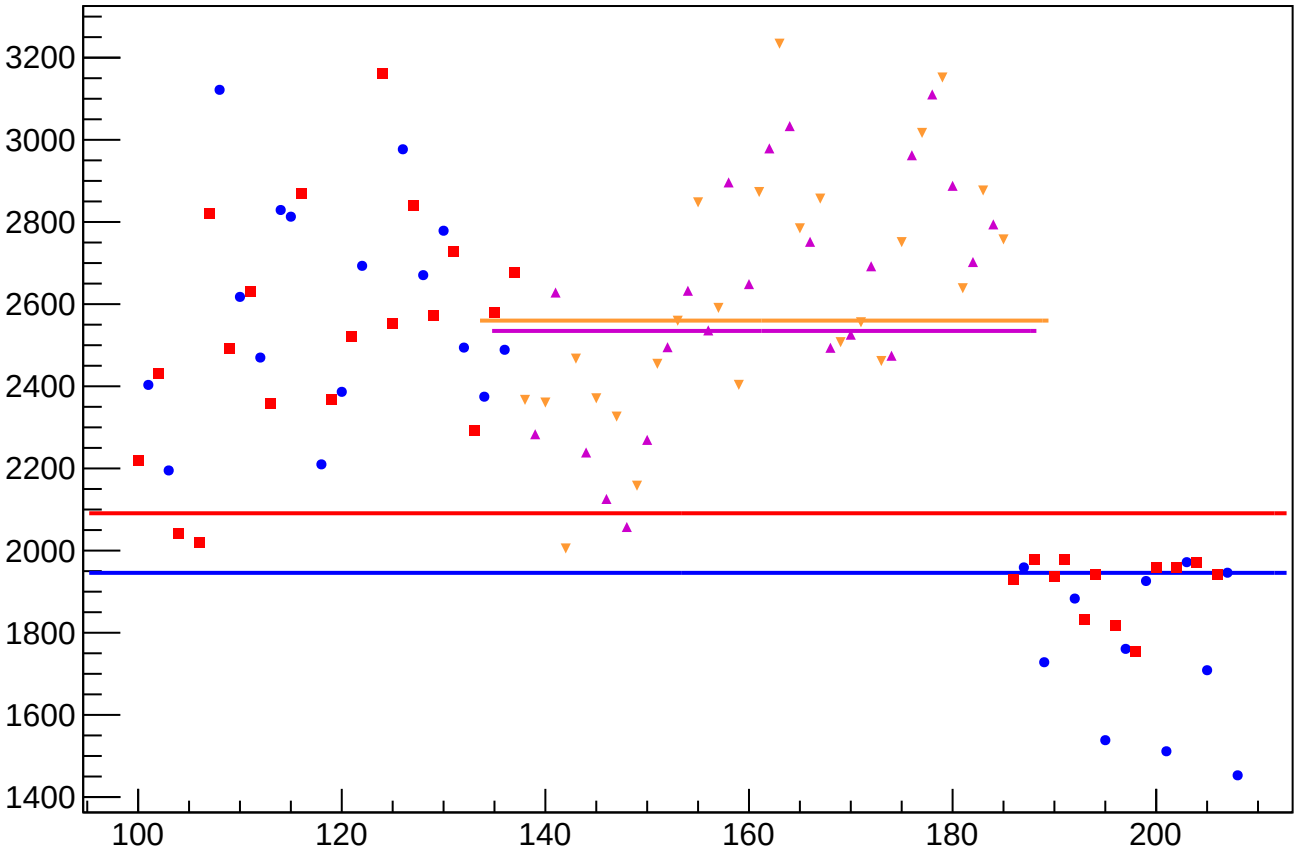
Right Out: -3.268+/-0.522 χ^2/NDF: 1437.2/30

Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

\+ sign -0.199+/-0.382 χ^2/NDF: 1969.1/51

All: 0.464+/-0.274 χ^2/NDF: 3918.6/105

\- sign 1.166+/-0.394 χ^2/NDF: 1943.3/53



Right In: 1945.825+/-0.357 χ^2/NDF: 1328322.7/26

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

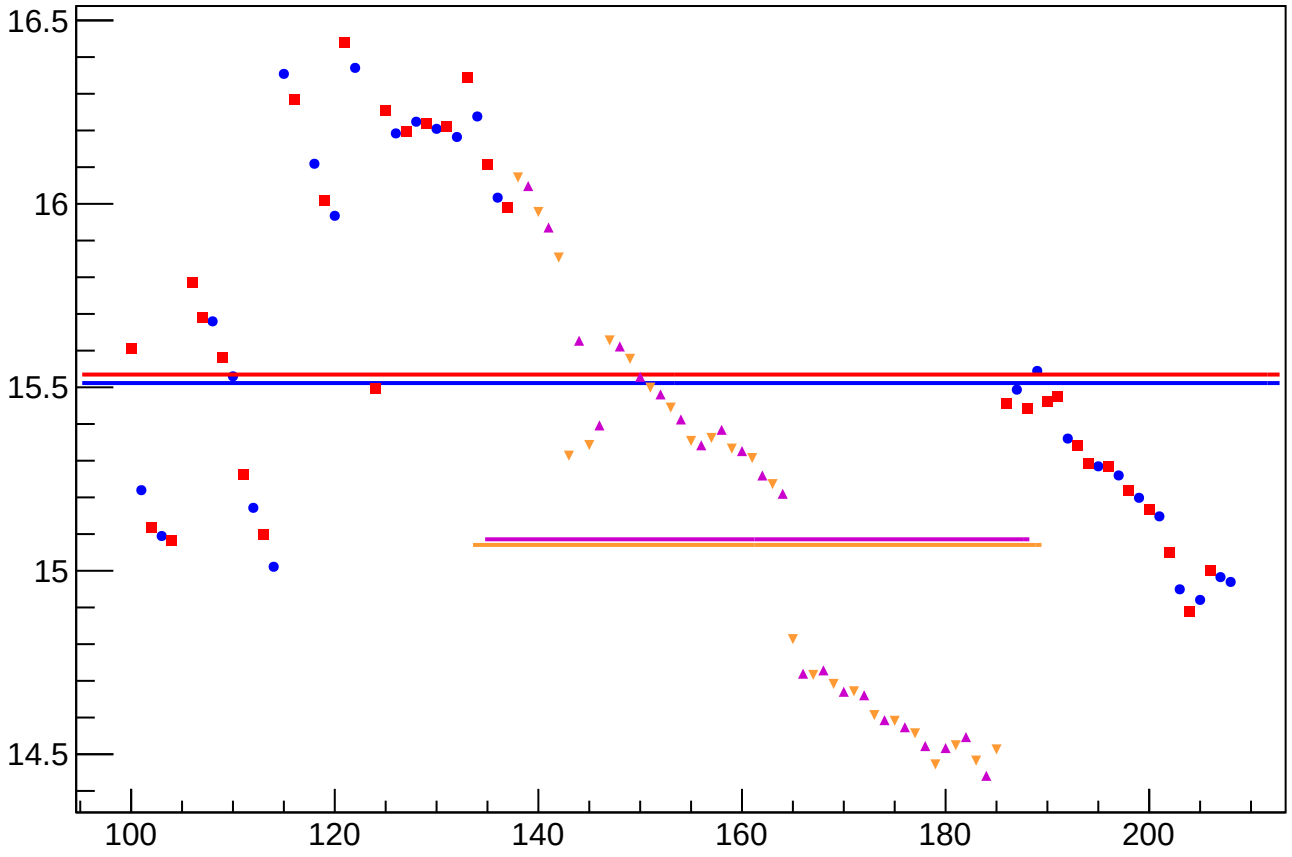
Right Out: 2090.885+/-0.369 χ^2/NDF: 661779.0/30

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2207.492+/-0.270 χ^2/NDF: 3039536.7/51

All: 2244.095+/-0.194 χ^2/NDF: 4827119.6/10

- sign 2282.856+/-0.278 χ^2/NDF: 1749863.2/53



Right In: 15.512+/-0.000 χ^2/NDF: 21607368460.4/26

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.535+/-0.000 χ^2/NDF: 18141443816.0/30

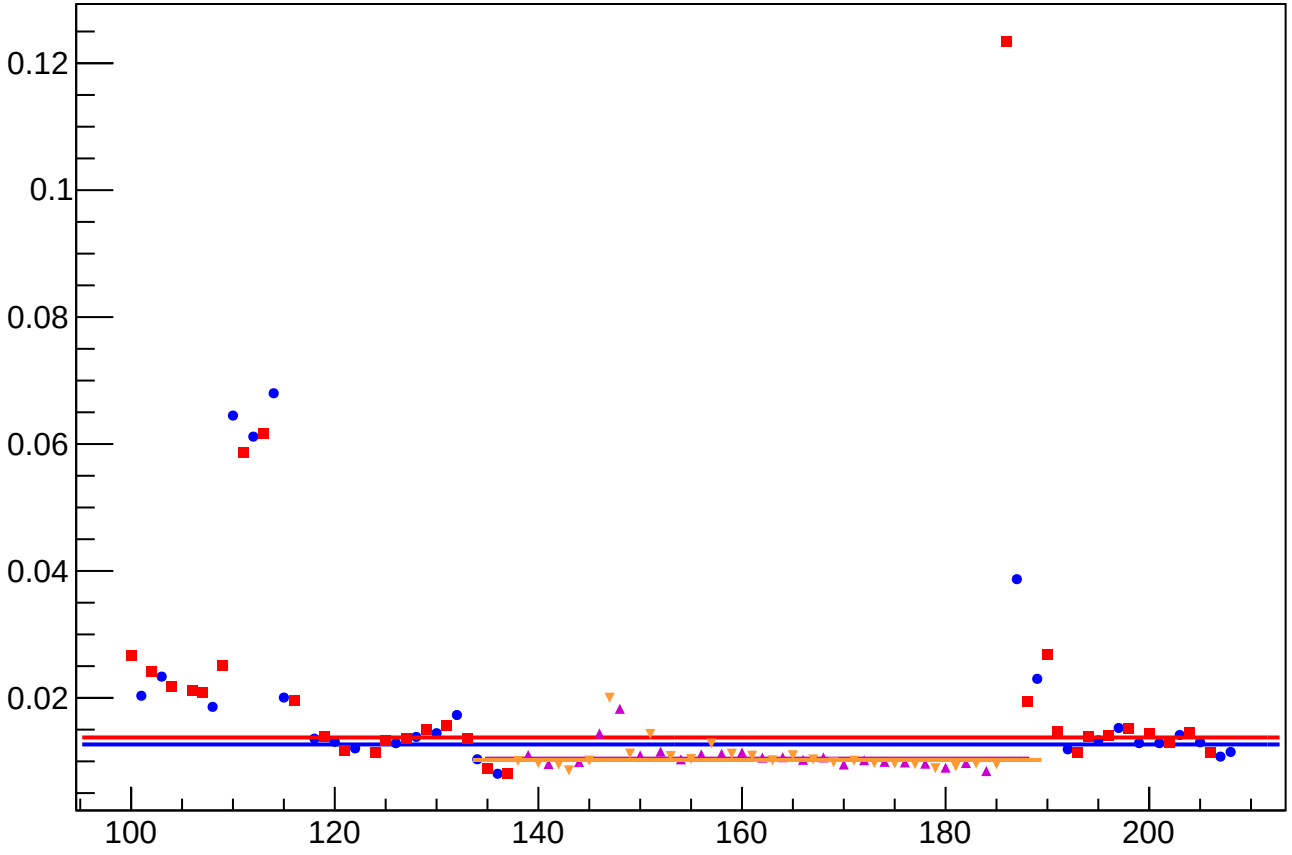
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.215+/-0.000 χ^2/NDF: 76389850127.9/51

All: 15.221+/-0.000 χ^2/NDF: 144133409064.

- sign 15.228+/-0.000 χ^2/NDF: 67722544713.1/53

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2835628.6/26

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

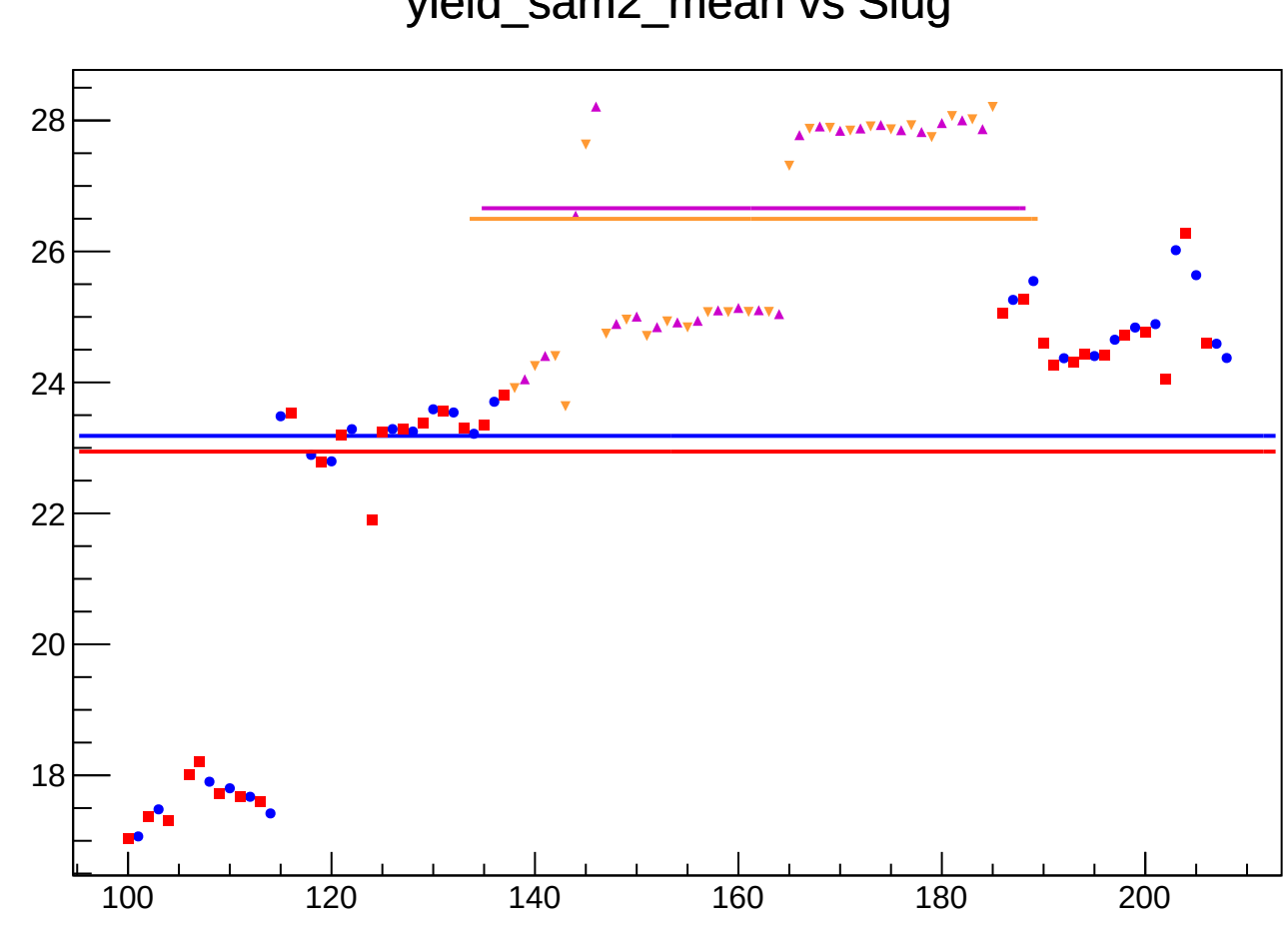
Right Out: 0.014+/-0.000 χ^2/NDF: 3340044.5/30

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4276929.2/51

All: 0.011+/-0.000 χ^2/NDF: 9379451.8/105

- sign 0.011+/-0.000 χ^2/NDF: 5049537.5/53



Right In: 23.184+/-0.000 χ^2/NDF: 1593031263.1/26

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.943+/-0.000 χ^2/NDF: 1653544160.0/30

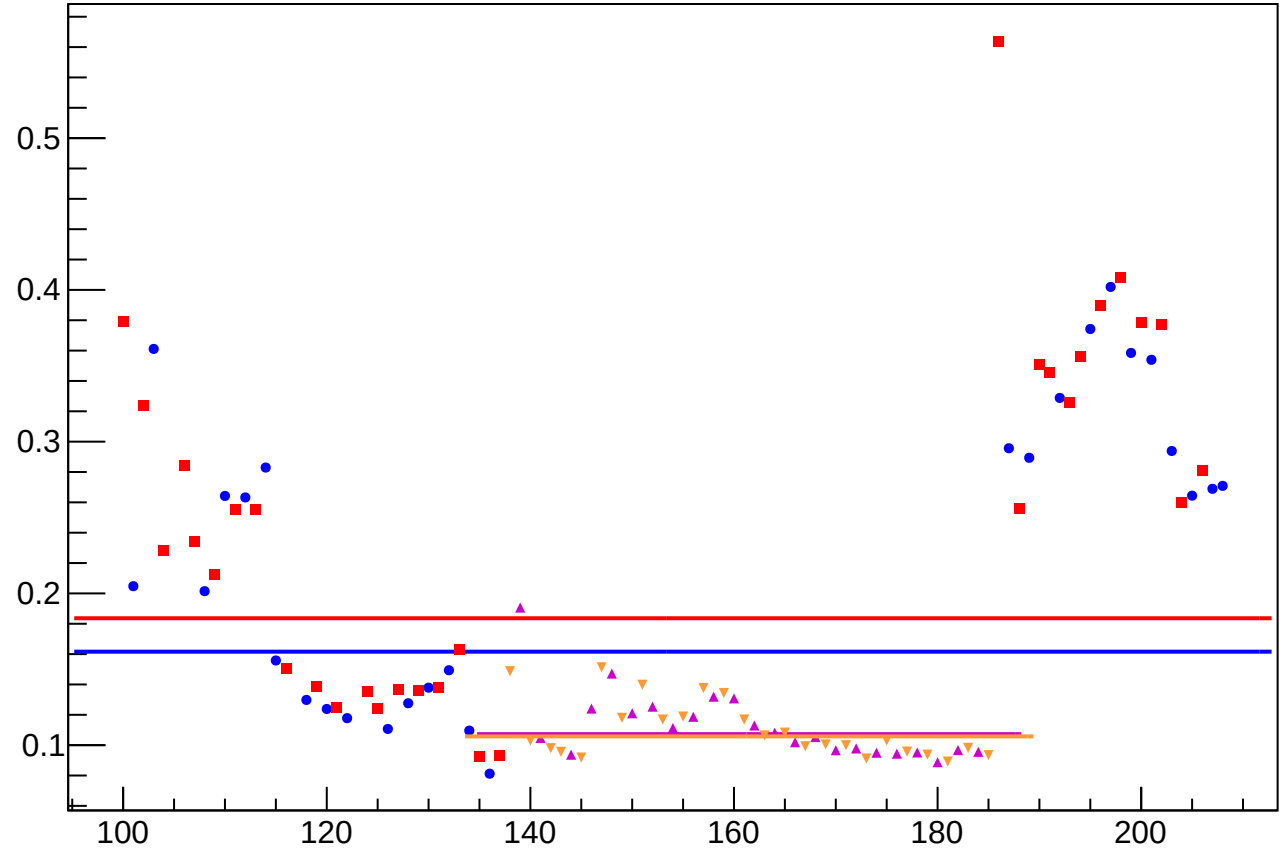
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.753+/-0.000 χ^2/NDF: 9163357115.9/51

All: 25.813+/-0.000 χ^2/NDF: 17658599315.5

- sign 25.880+/-0.000 χ^2/NDF: 8480543161.8/53

yield_sam2_rms vs Slug



Right In: 0.162+/-0.000 χ^2/NDF: 6725610.8/26

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.184+/-0.000 χ^2/NDF: 6211032.9/30

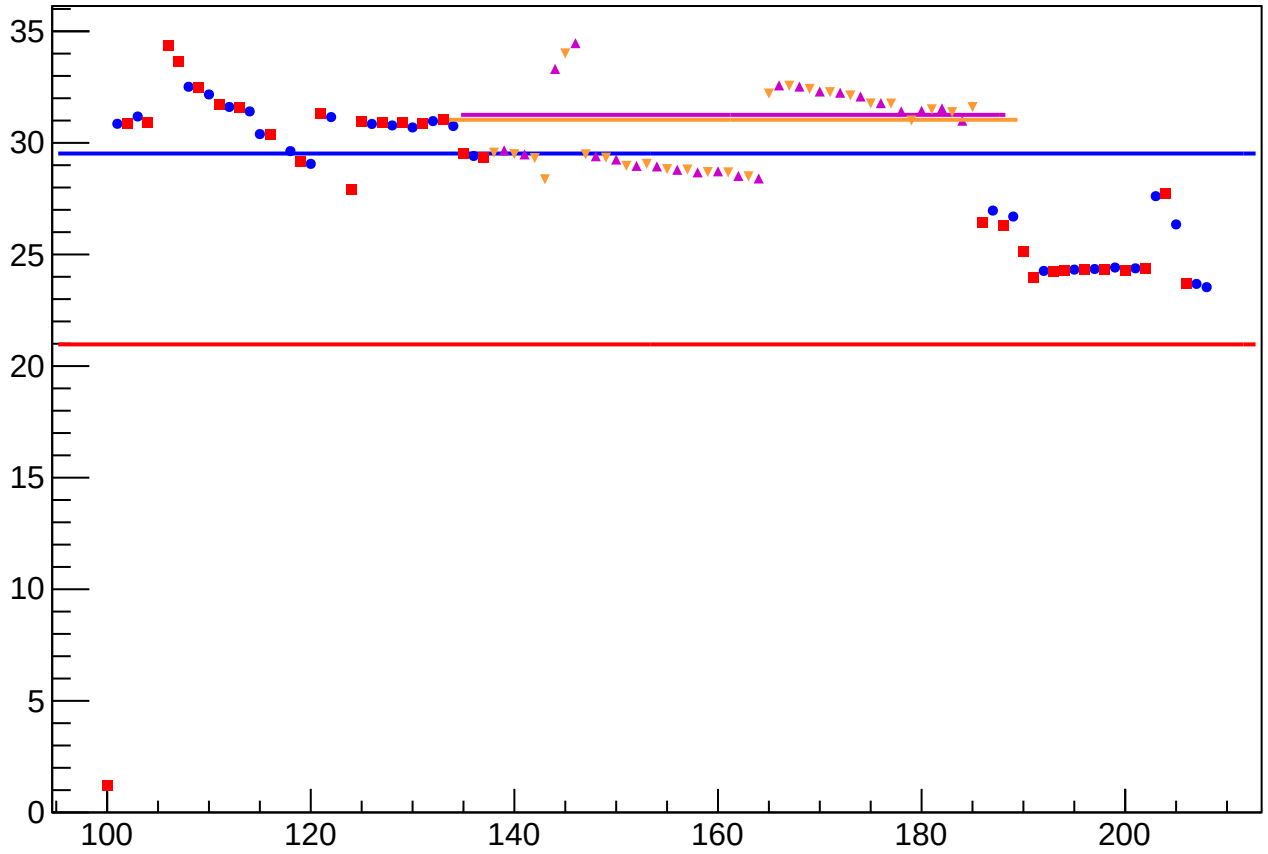
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.118+/-0.000 χ^2/NDF: 9559068.9/51

All: 0.121+/-0.000 χ^2/NDF: 20000710.8/105

- sign 0.123+/-0.000 χ^2/NDF: 10397329.9/53

yield_sam3_mean vs Slug



Right In: 29.523+/-0.000 χ^2/NDF: 5518051395.6/26

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.971+/-0.000 χ^2/NDF: 225810659227.2/30

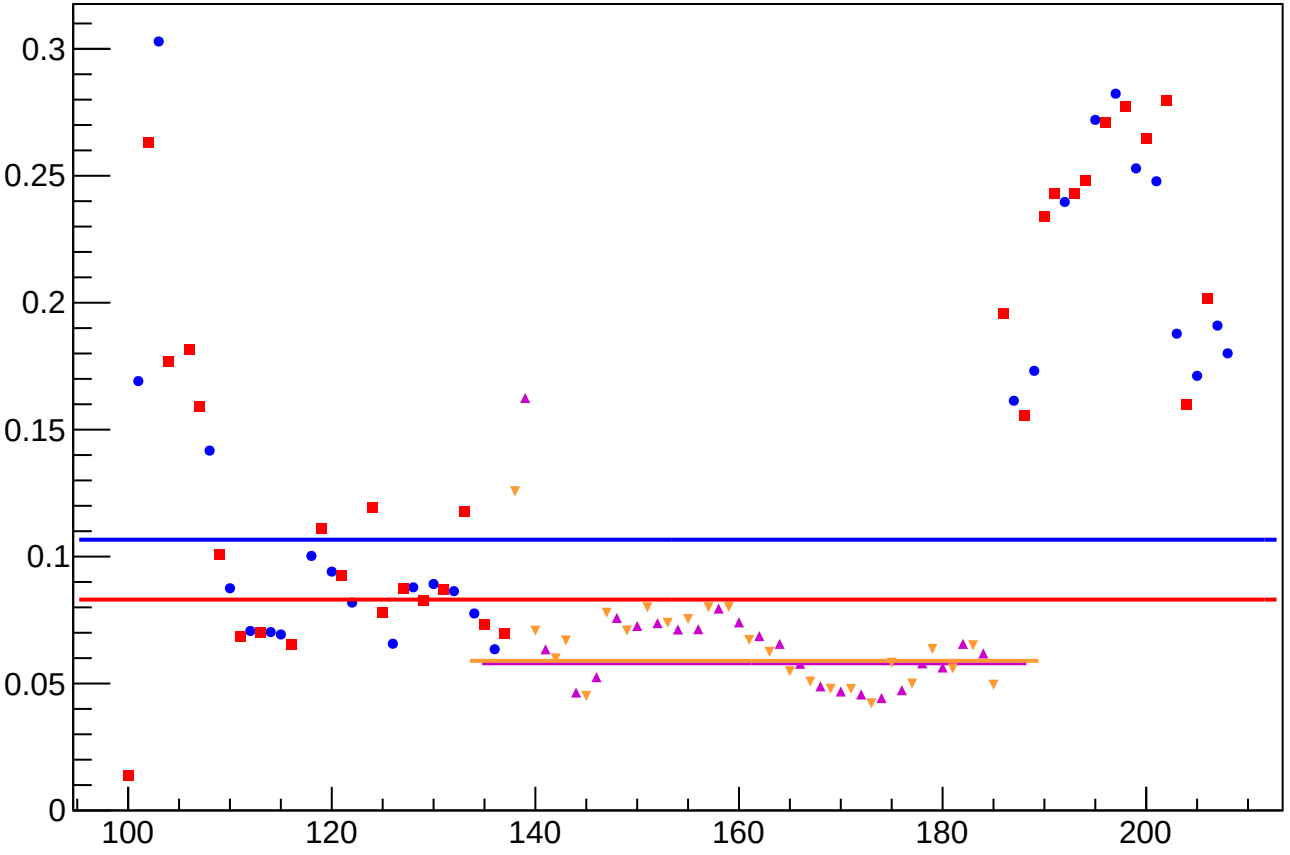
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.758+/-0.000 χ^2/NDF: 19210689178.4/51

All: 29.780+/-0.000 χ^2/NDF: 370449338871.

- sign 28.830+/-0.000 χ^2/NDF: 341349750494.5/53

yield_sam3_rms vs Slug



Right In: 0.107+/-0.000 χ^2/NDF: 6437083.9/26

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.083+/-0.000 χ^2/NDF: 11943009.7/30

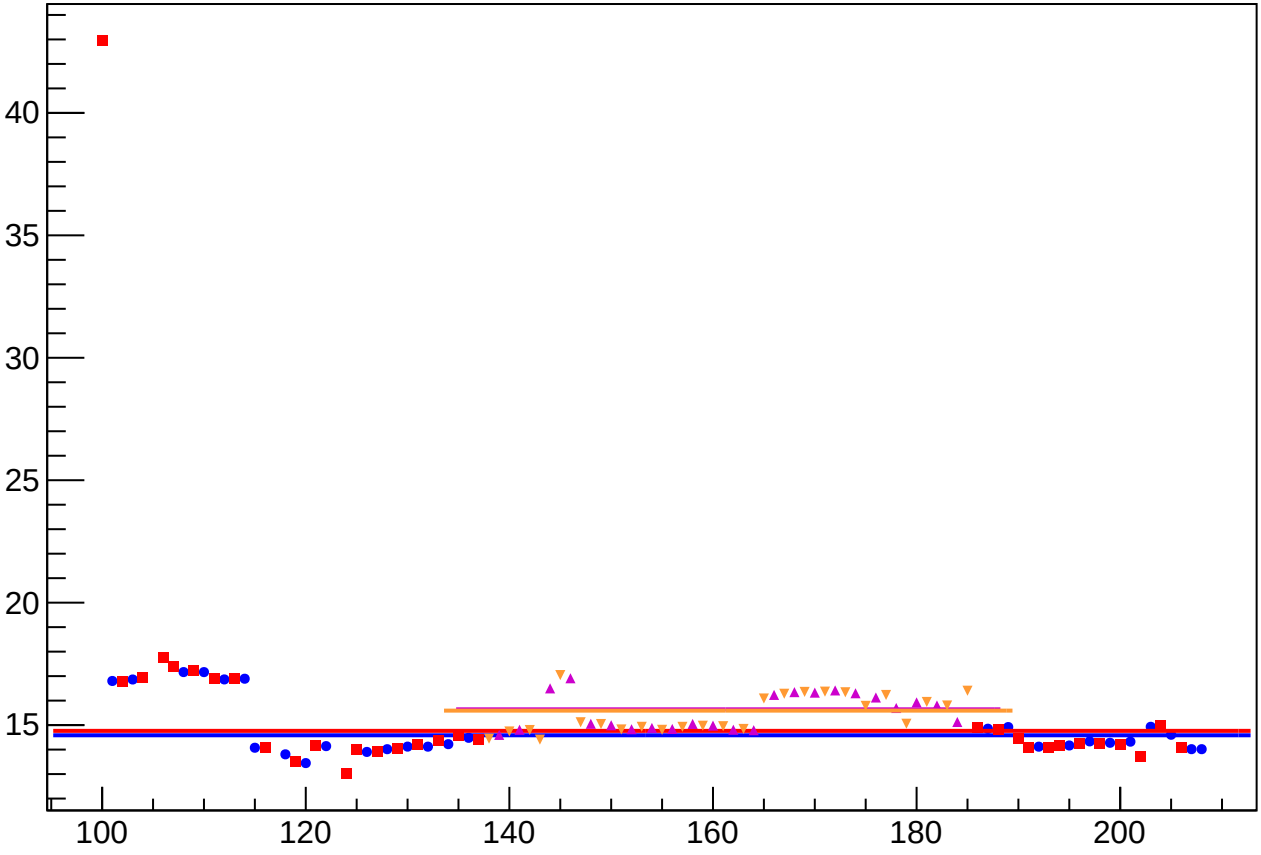
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.068+/-0.000 χ^2/NDF: 11548793.6/51

All: 0.066+/-0.000 χ^2/NDF: 26509292.8/105

- sign 0.064+/-0.000 χ^2/NDF: 14884035.2/53

yield_sam4_mean vs Slug



Right In: 14.584+/-0.000 χ^2/NDF: 1237401326.8/26

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.765+/-0.000 χ^2/NDF: 1805734463.6/30

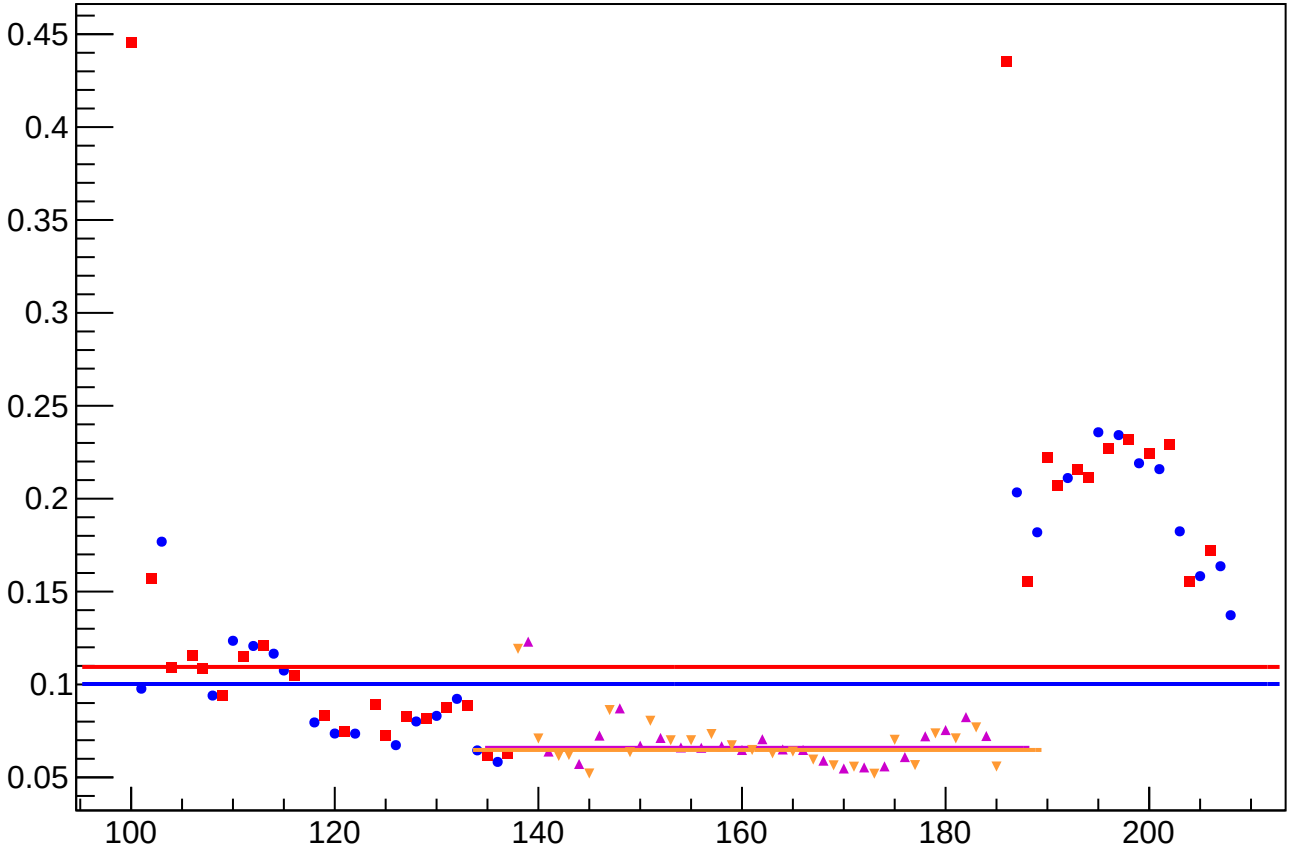
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.358+/-0.000 χ^2/NDF: 4412743361.8/51

All: 15.400+/-0.000 χ^2/NDF: 8720197422.5/1

- sign 15.446+/-0.000 χ^2/NDF: 4288479620.2/53

yield_sam4_rms vs Slug



Right In: 0.100+/-0.000 χ^2/NDF: 5568173.5/26

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

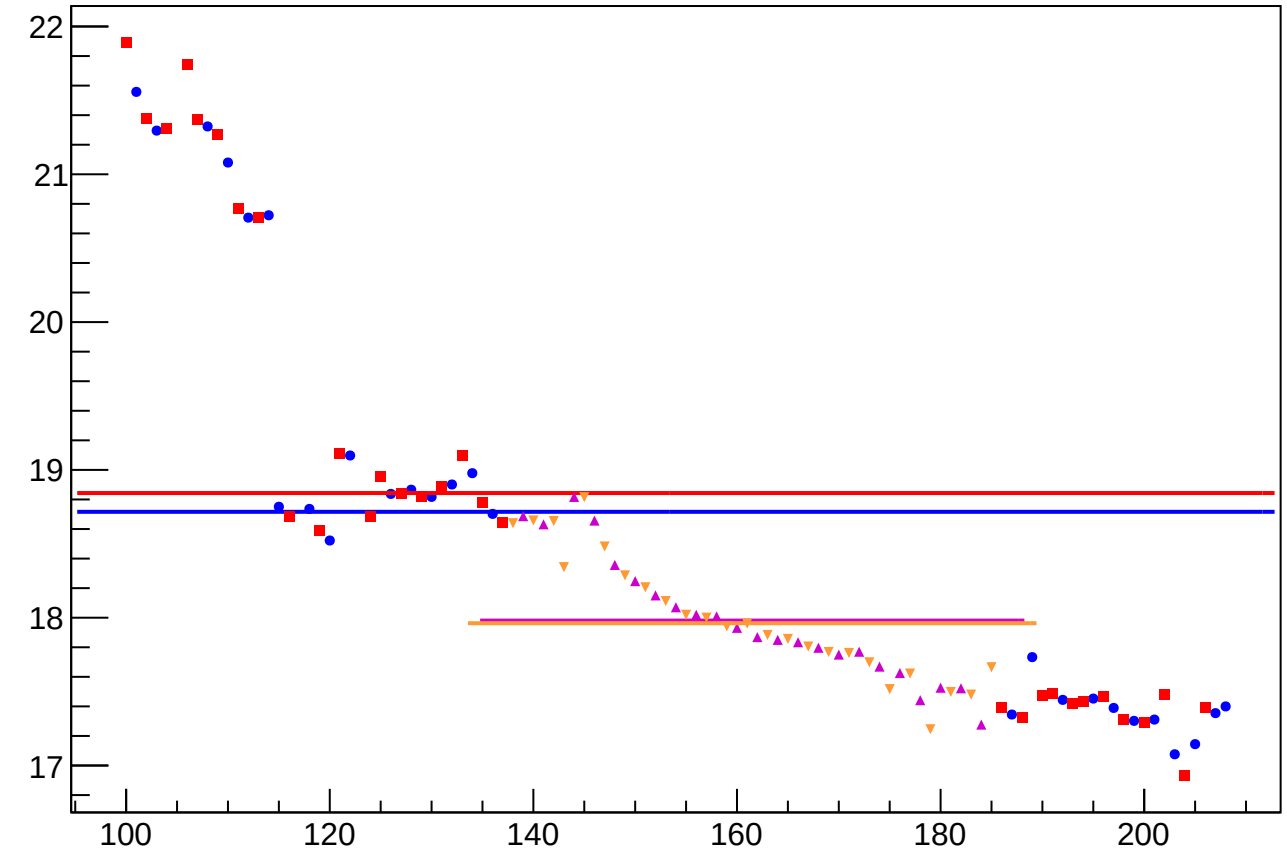
Right Out: 0.109+/-0.000 χ^2/NDF: 5535201.4/30

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.073+/-0.000 χ^2/NDF: 8704534.4/51

All: 0.074+/-0.000 χ^2/NDF: 18121530.7/105

- sign 0.076+/-0.000 χ^2/NDF: 9380958.3/53



Right In: 18.716+/-0.000 χ^2/NDF: 33291816251.4/26

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.844+/-0.000 χ^2/NDF: 35153857714.3/30

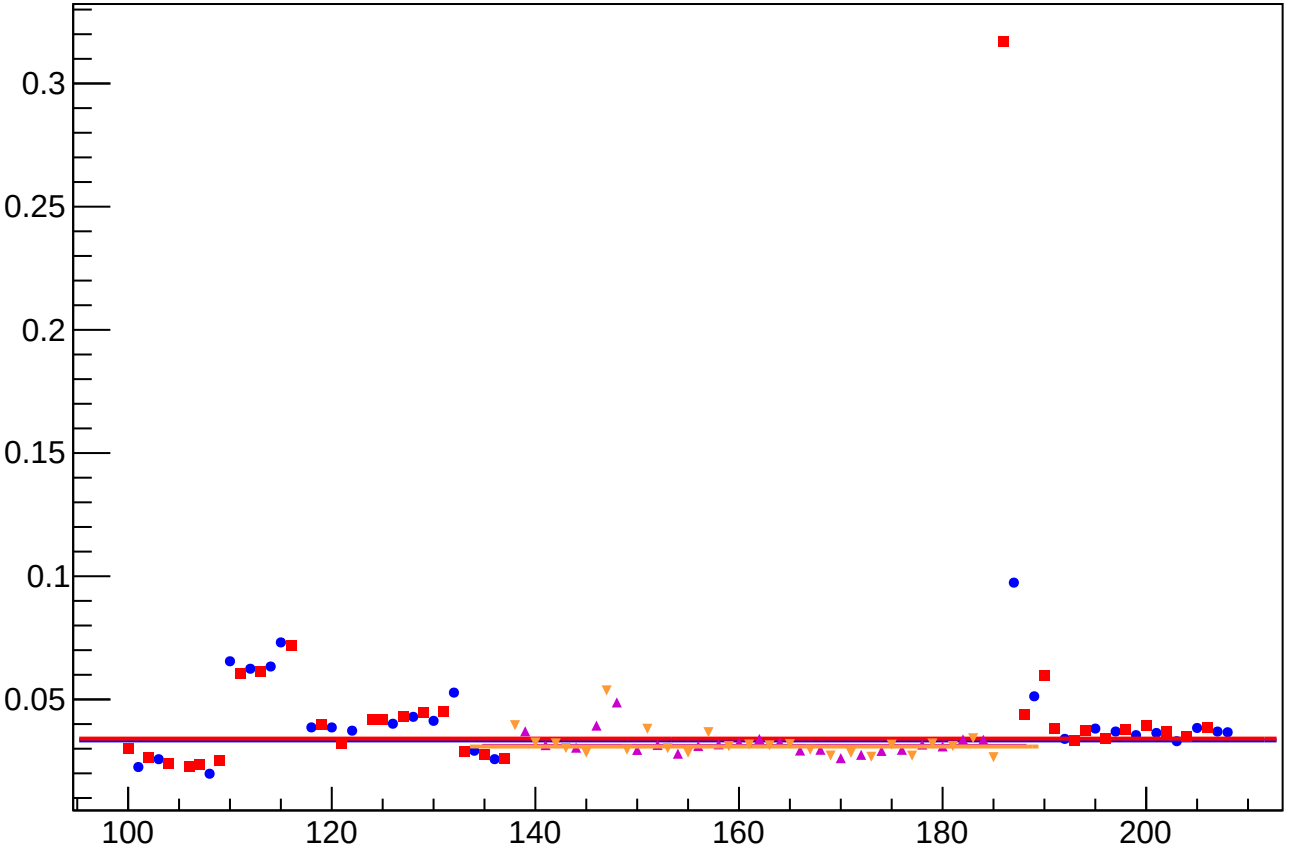
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.260+/-0.000 χ^2/NDF: 40636343004.0/51

All: 18.295+/-0.000 χ^2/NDF: 84016648370.9

- sign 18.332+/-0.000 χ^2/NDF: 43300308842.8/53

yield_sam5_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF: 1963413.6/26

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

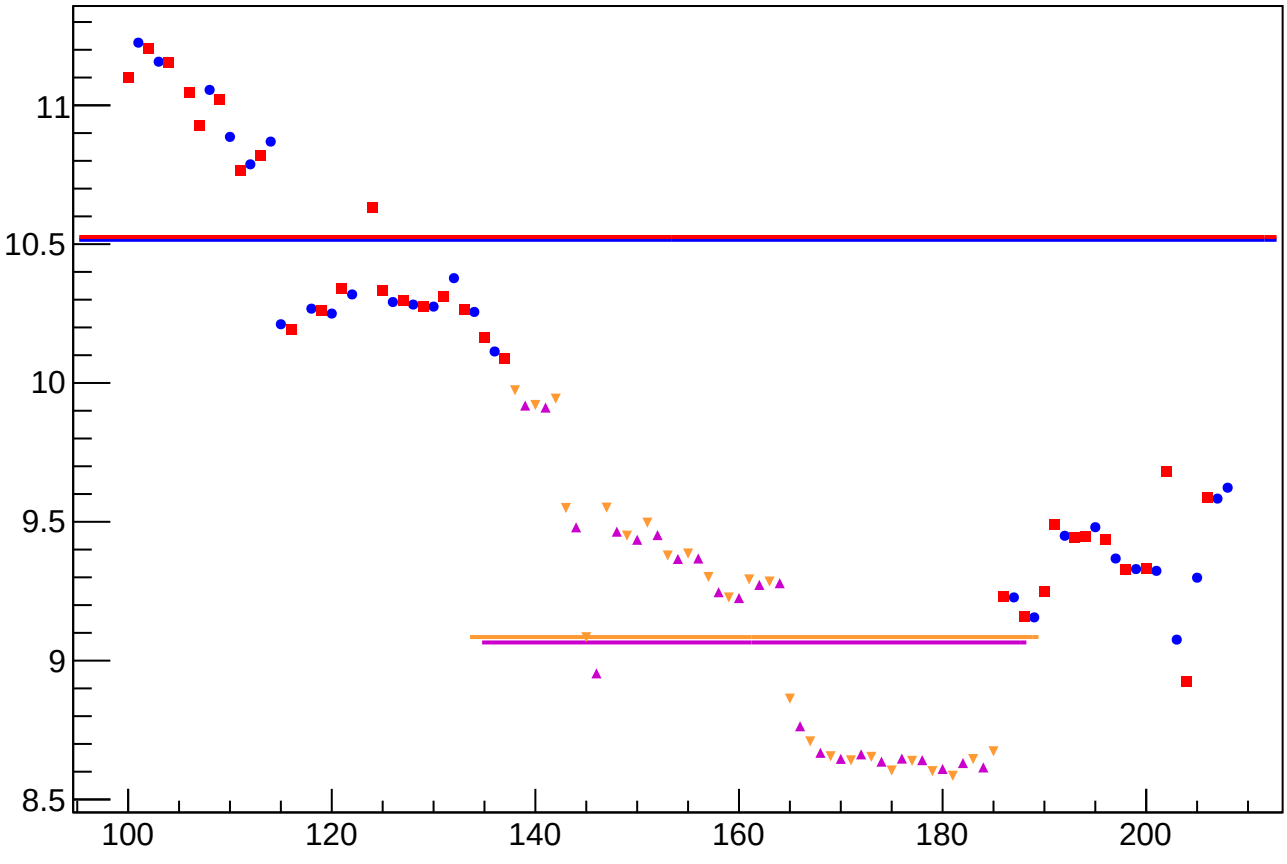
Right Out: 0.034+/-0.000 χ^2/NDF: 2265603.4/30

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.032+/-0.000 χ^2/NDF: 2690343.3/51

All: 0.032+/-0.000 χ^2/NDF: 5573731.8/105

- sign 0.032+/-0.000 χ^2/NDF: 2876435.6/53



Right In: 10.516+/-0.000 χ^2/NDF: 14099437502.7/26

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.526+/-0.000 χ^2/NDF: 12590691685.6/30

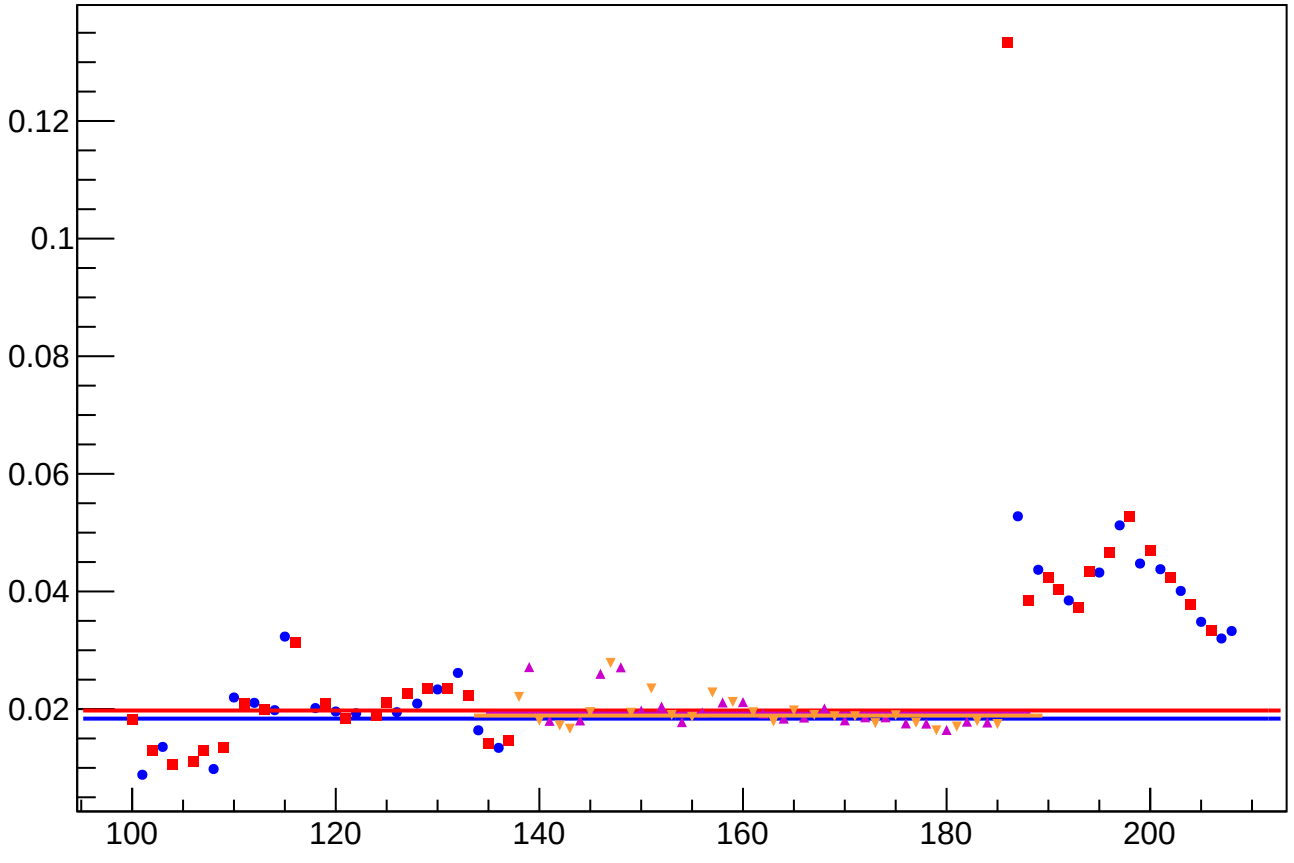
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.659+/-0.000 χ^2/NDF: 64781550324.7/51

All: 9.658+/-0.000 χ^2/NDF: 124152552871.8

- sign 9.657+/-0.000 χ^2/NDF: 59370907963.0/53

yield_sam6_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 7294451.9/26

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.020+/-0.000 χ^2/NDF: 7139267.1/30

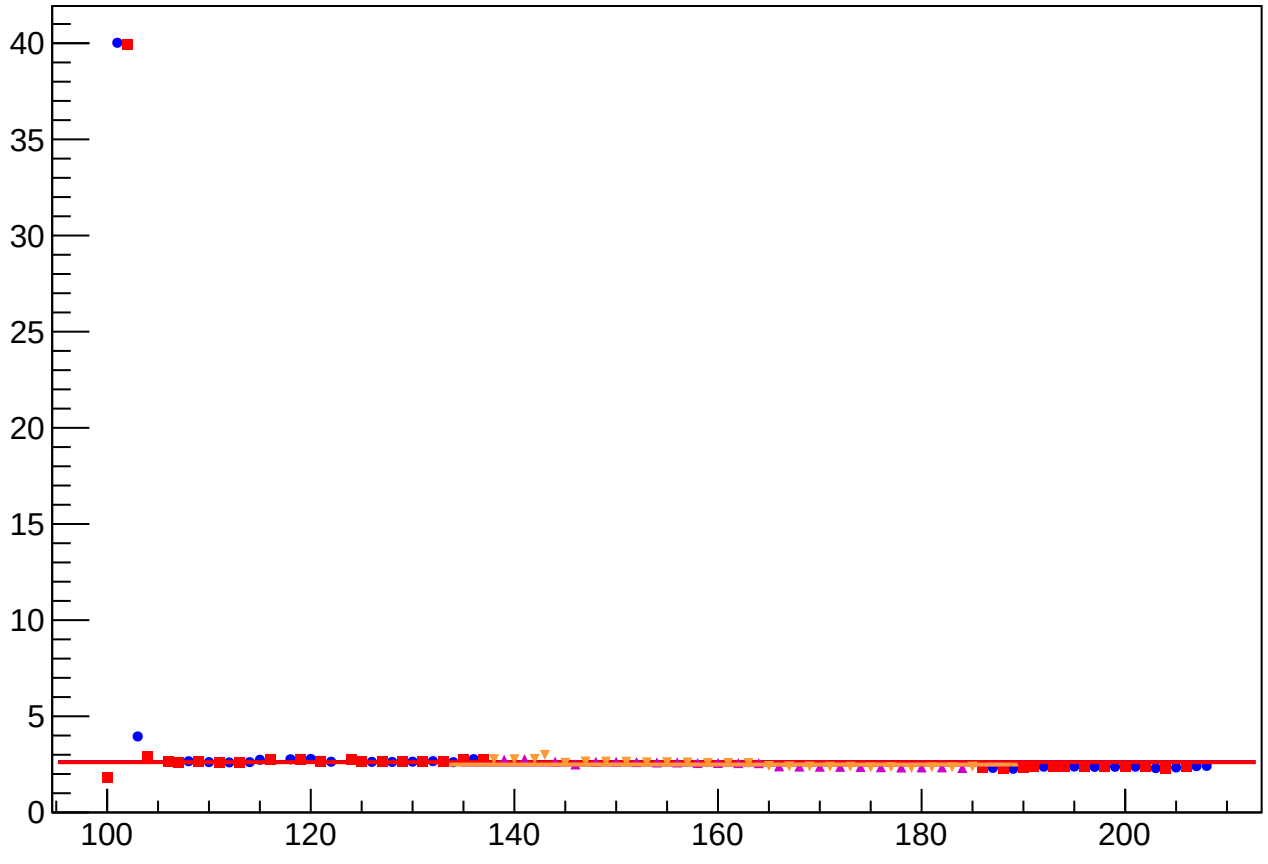
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.019+/-0.000 χ^2/NDF: 7746474.2/51

All: 0.019+/-0.000 χ^2/NDF: 15481826.6/105

- sign 0.019+/-0.000 χ^2/NDF: 7690151.5/53

yield_sam7_mean vs Slug



Right In: 2.623+/-0.000 χ^2/NDF: 85876376595.8/26

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.615+/-0.000 χ^2/NDF: 83298227683.5/30

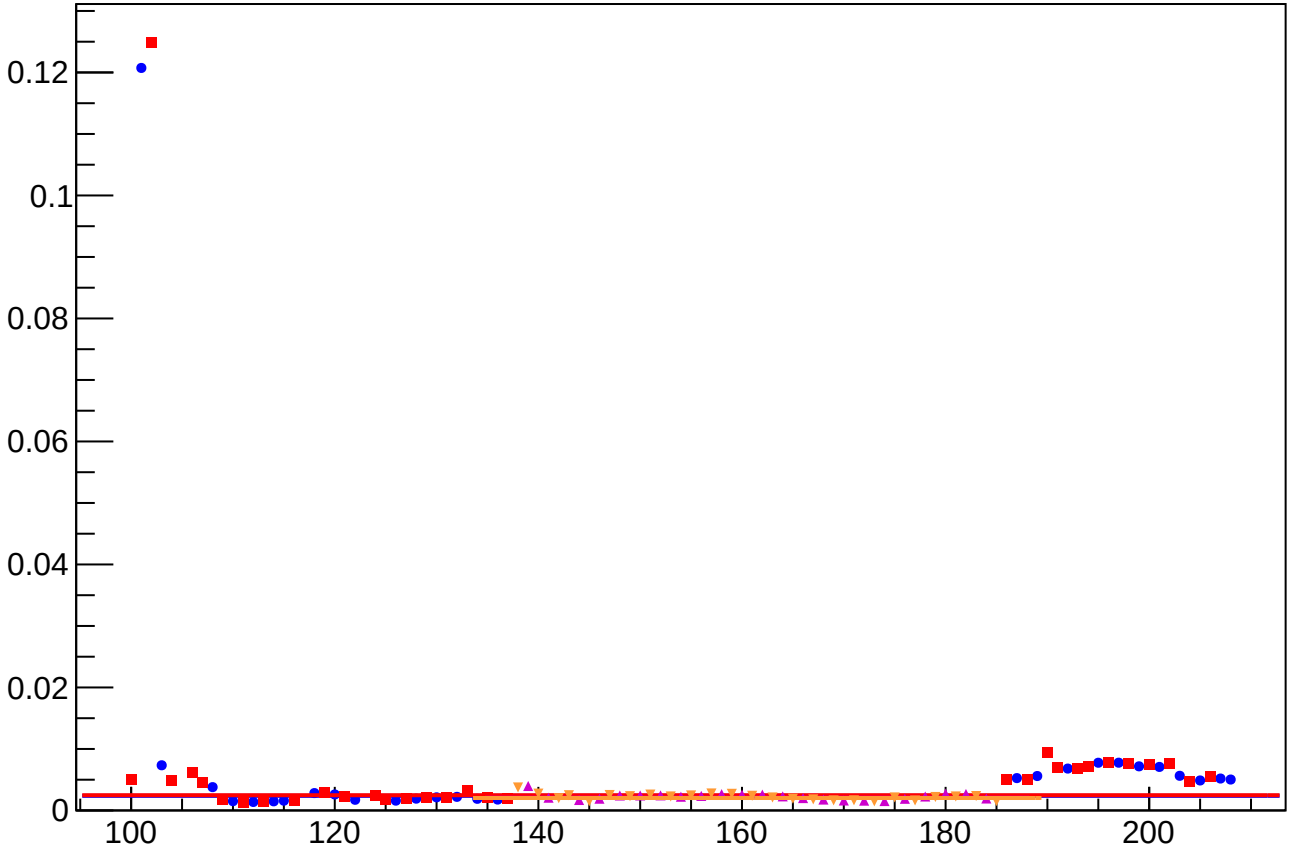
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.532+/-0.000 χ^2/NDF: 198315877638.4/51

All: 2.530+/-0.000 χ^2/NDF: 360428851128.9

- sign 2.529+/-0.000 χ^2/NDF: 162095062544.1/53

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9007528.3/26

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10071095.1/30

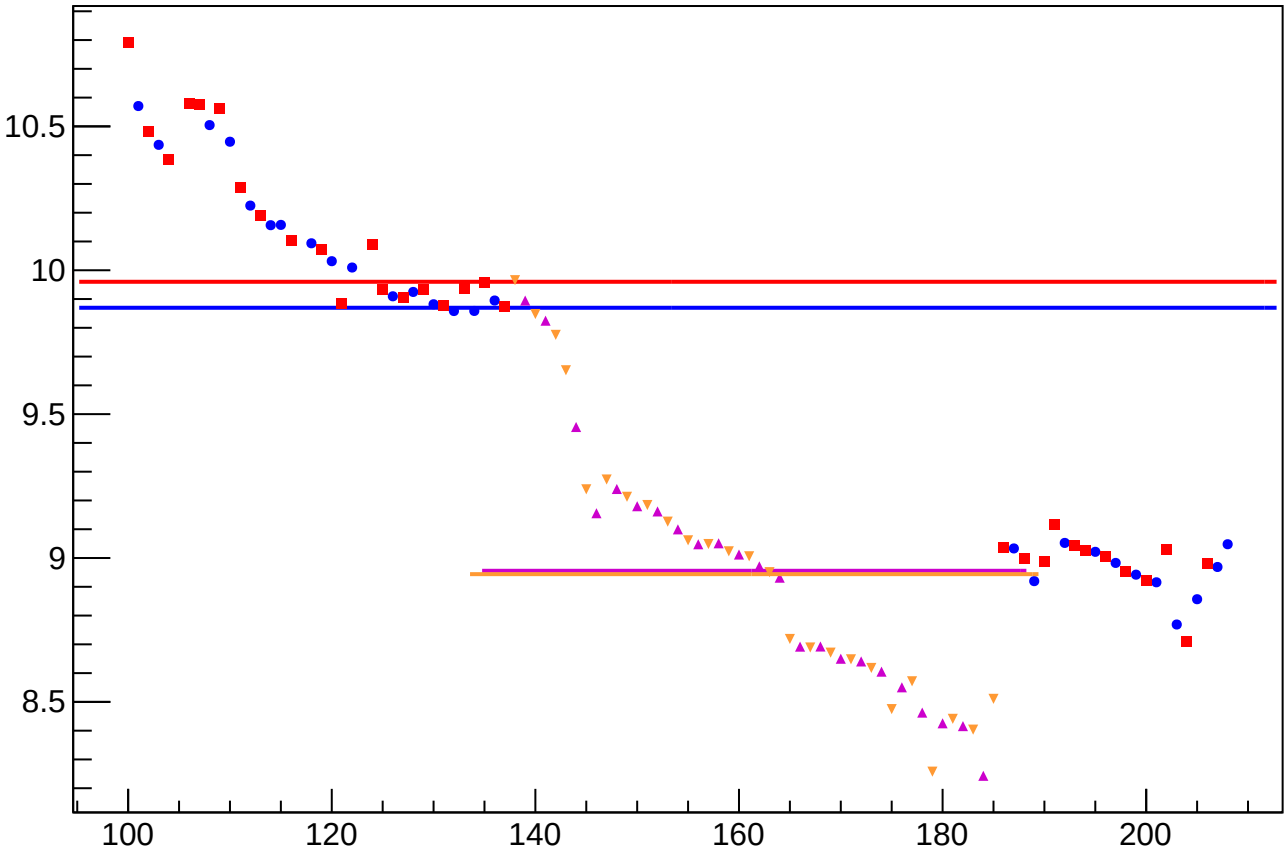
Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 10852279.9/51

All: 0.002+/-0.000 χ^2/NDF: 22719846.4/105

- sign 0.002+/-0.000 χ^2/NDF: 11845251.3/53

yield_sam8_mean vs Slug



Right In: 9.870+/-0.000 χ^2/NDF: 61887390220.1/26

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.960+/-0.000 χ^2/NDF: 59489456427.9/30

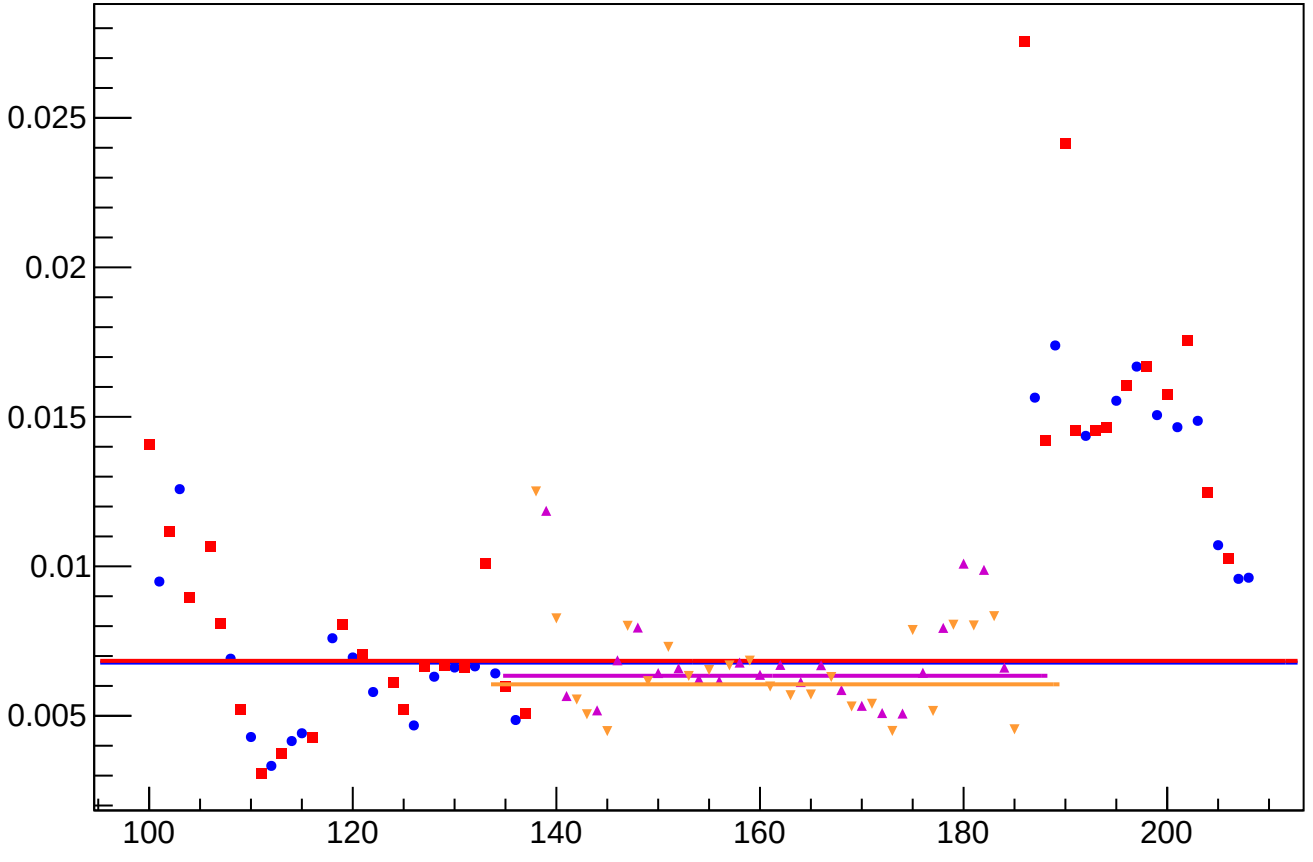
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.286+/-0.000 χ^2/NDF: 259469457201.5/51

All: 9.318+/-0.000 χ^2/NDF: 516969596392.1

- sign 9.354+/-0.000 χ^2/NDF: 256019512803.5/53

yield_sam8_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 6253357.7/26

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7955913.7/30

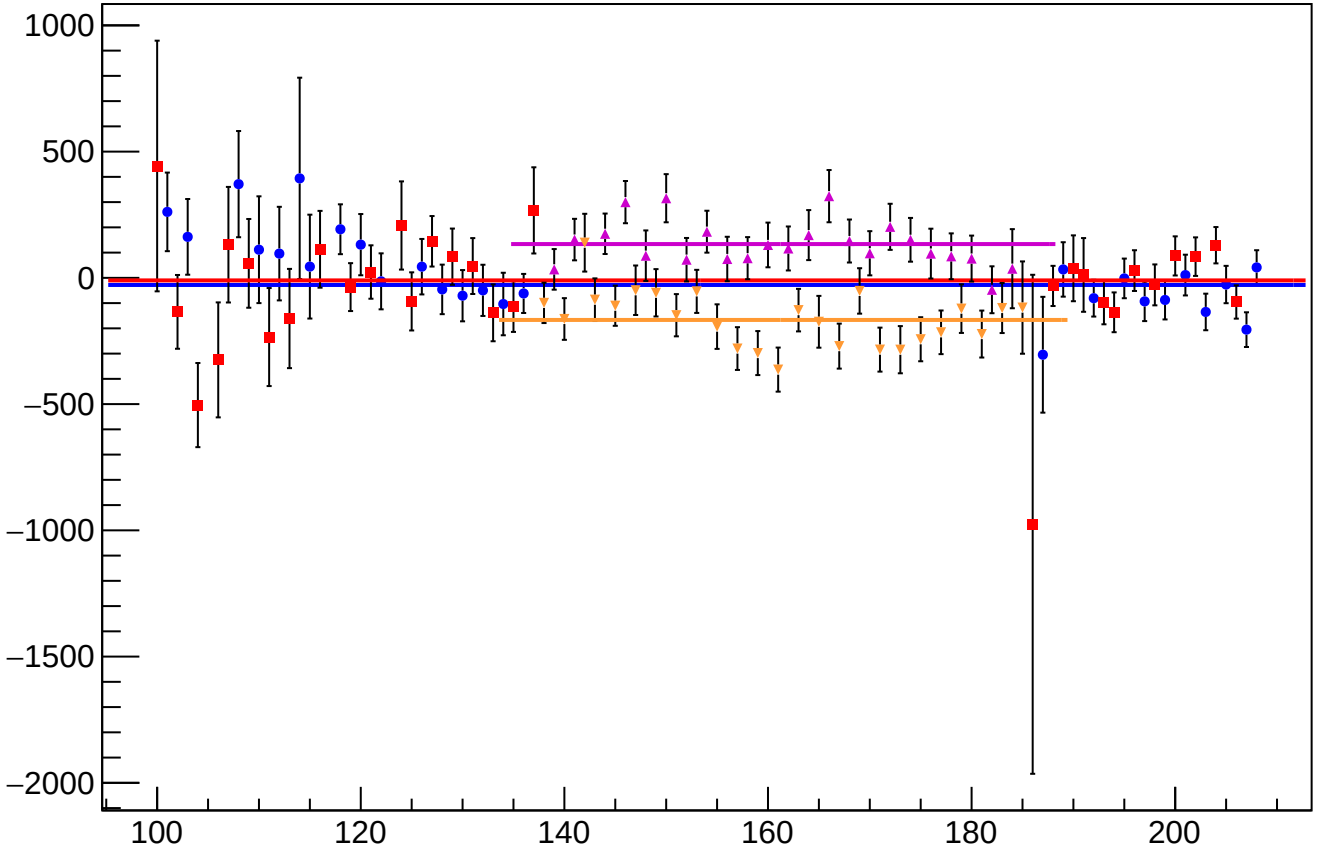
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 7876492.0/51

All: 0.006+/-0.000 χ^2/NDF: 17108621.0/105

- sign 0.007+/-0.000 χ^2/NDF: 9202799.9/53

reg_asym_sam1_mean vs Slug



Right In: -28.161+/-18.907 χ^2/NDF: 32.6/26

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -10.076+/-19.369 χ^2/NDF: 39.6/30

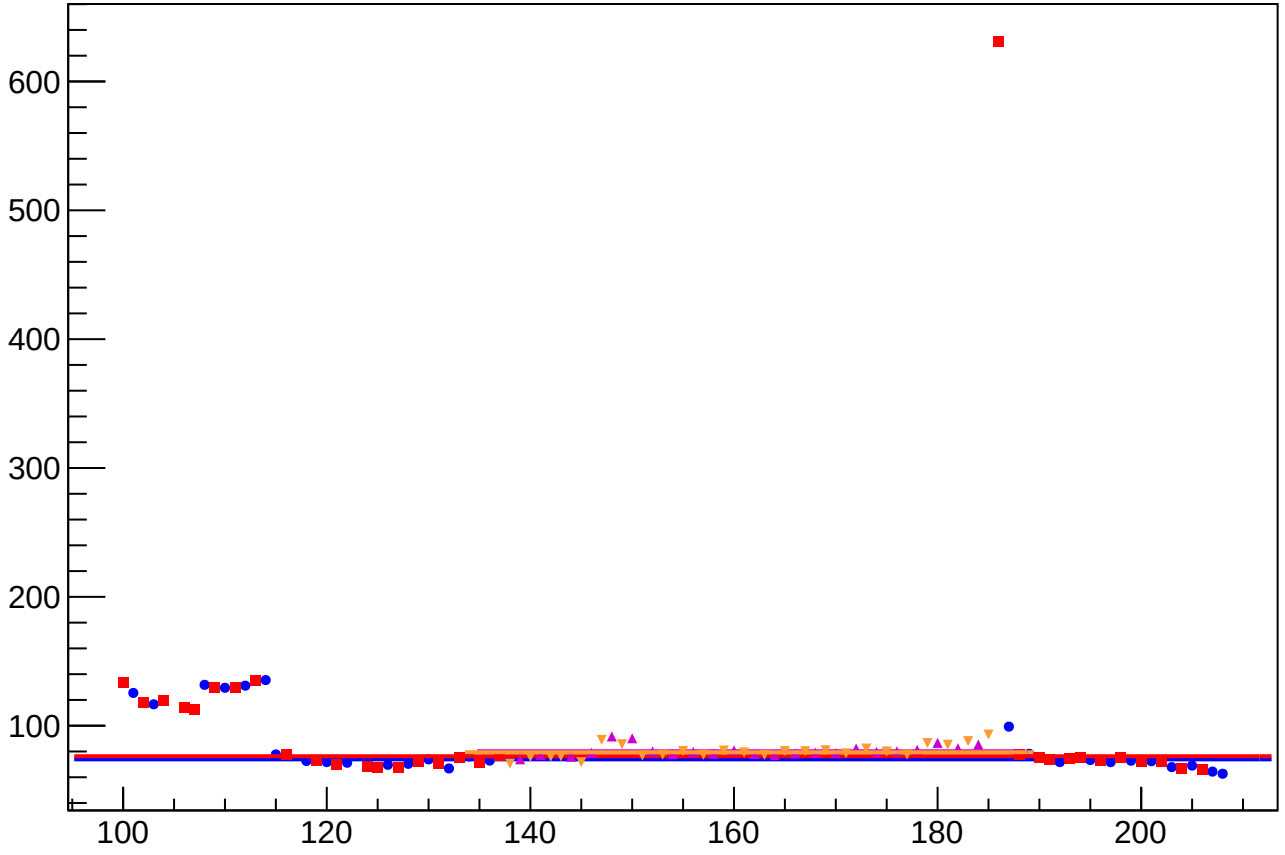
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -100.518+/-13.067 χ^2/NDF: 92.3/51

All: -20.687+/-9.380 χ^2/NDF: 258.1/105

- sign 64.198+/-13.474 χ^2/NDF: 88.9/53

reg_asym_sam1_rms vs Slug



Right In: 73.882+/-0.013 χ^2/NDF: 1074859.5/26

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 76.315+/-0.014 χ^2/NDF: 1726554.2/30

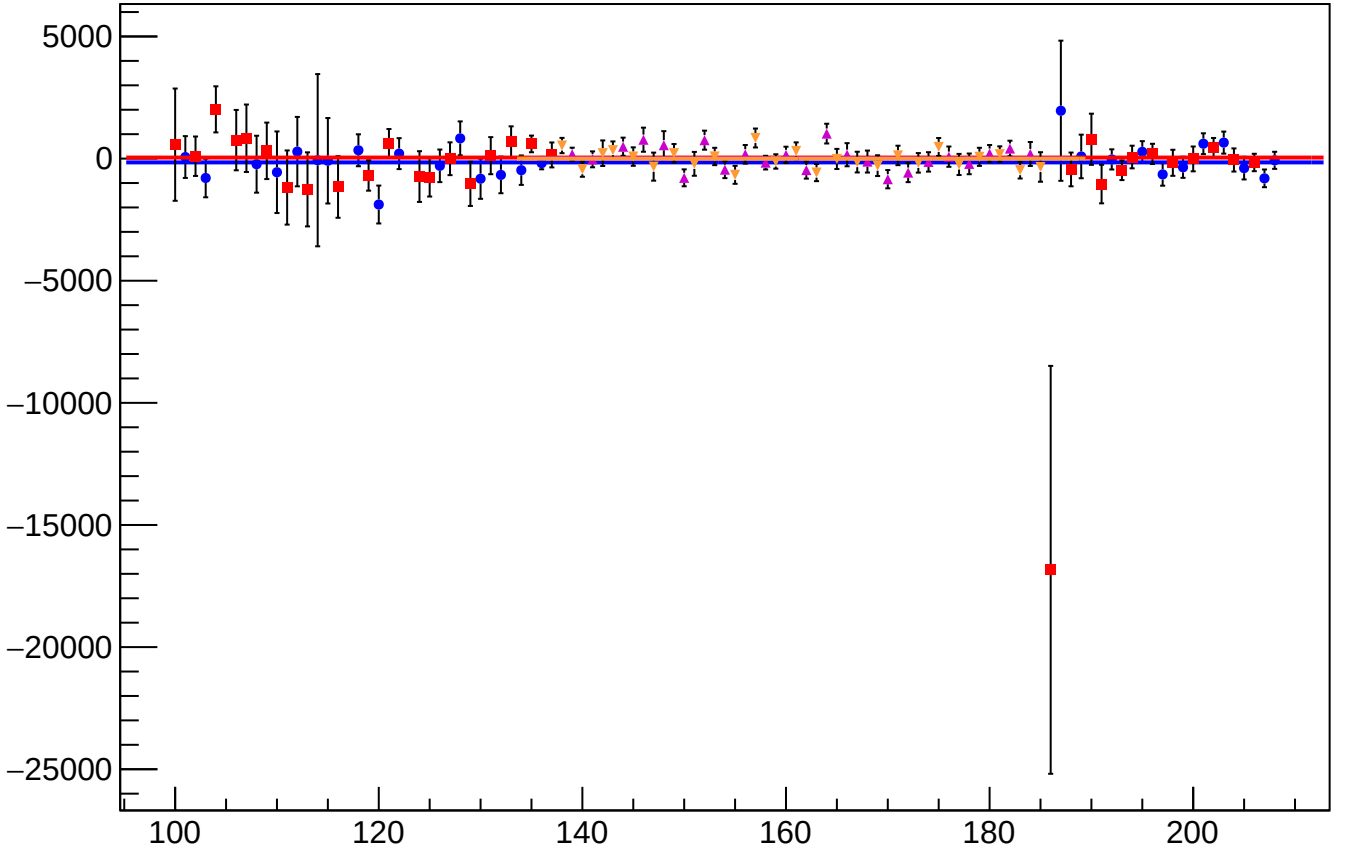
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 76.770+/-0.009 χ^2/NDF: 1298967.5/51

All: 77.511+/-0.007 χ^2/NDF: 3170946.5/105

- sign 78.299+/-0.010 χ^2/NDF: 1858699.9/53

asym_sam1_reg_correction_mean vs Slug



Right In: -155.453+/-105.034 χ^2/NDF: 23.2/26

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 42.216+/-110.611 χ^2/NDF: 27.0/30

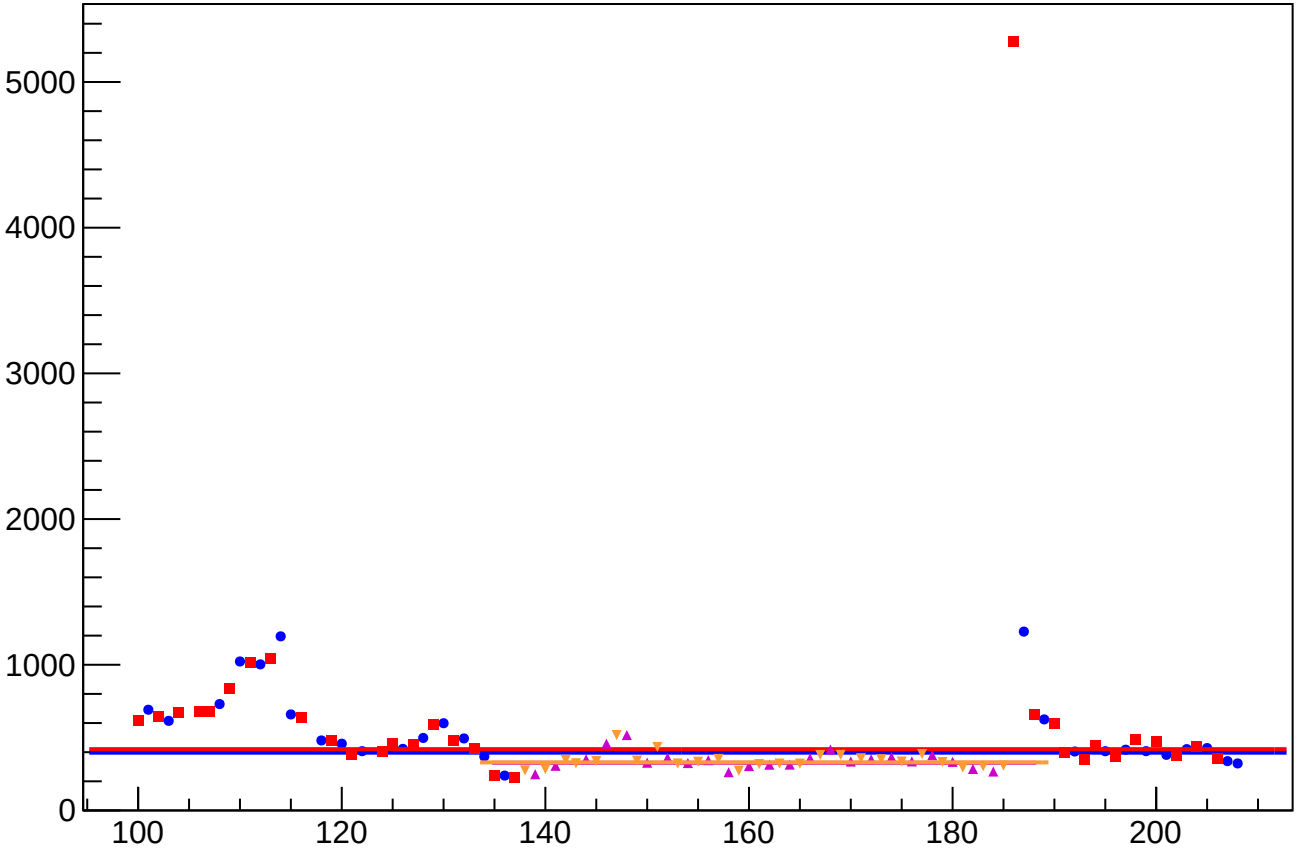
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -55.576+/-61.499 χ^2/NDF: 48.6/51

All: -15.678+/-44.175 χ^2/NDF: 111.6/105

- sign 26.850+/-63.493 χ^2/NDF: 62.1/53

asym_sam1_reg_correction_rms vs Slug



Right In: 396.674+/-0.074 χ^2/NDF: 2826354.6/26

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 420.709+/-0.078 χ^2/NDF: 3592640.0/30

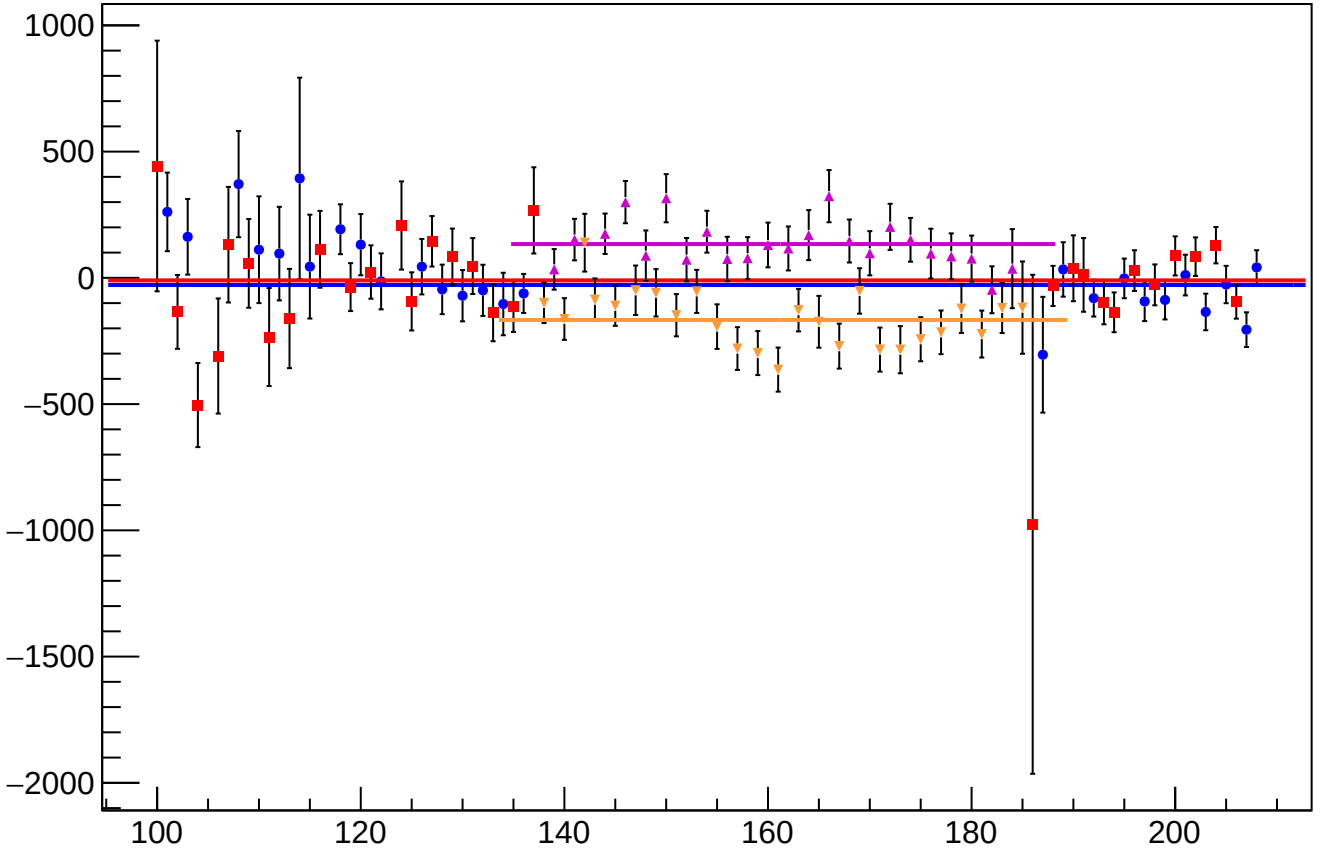
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 352.836+/-0.043 χ^2/NDF: 4015721.4/51

All: 355.265+/-0.031 χ^2/NDF: 9477373.4/105

- sign 357.853+/-0.045 χ^2/NDF: 5455210.8/53

cor_asym_sam1_mean vs Slug



Right In: -28.161+/-18.907 χ^2/NDF: 32.6/26

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -9.959+/-19.369 χ^2/NDF: 39.4/30

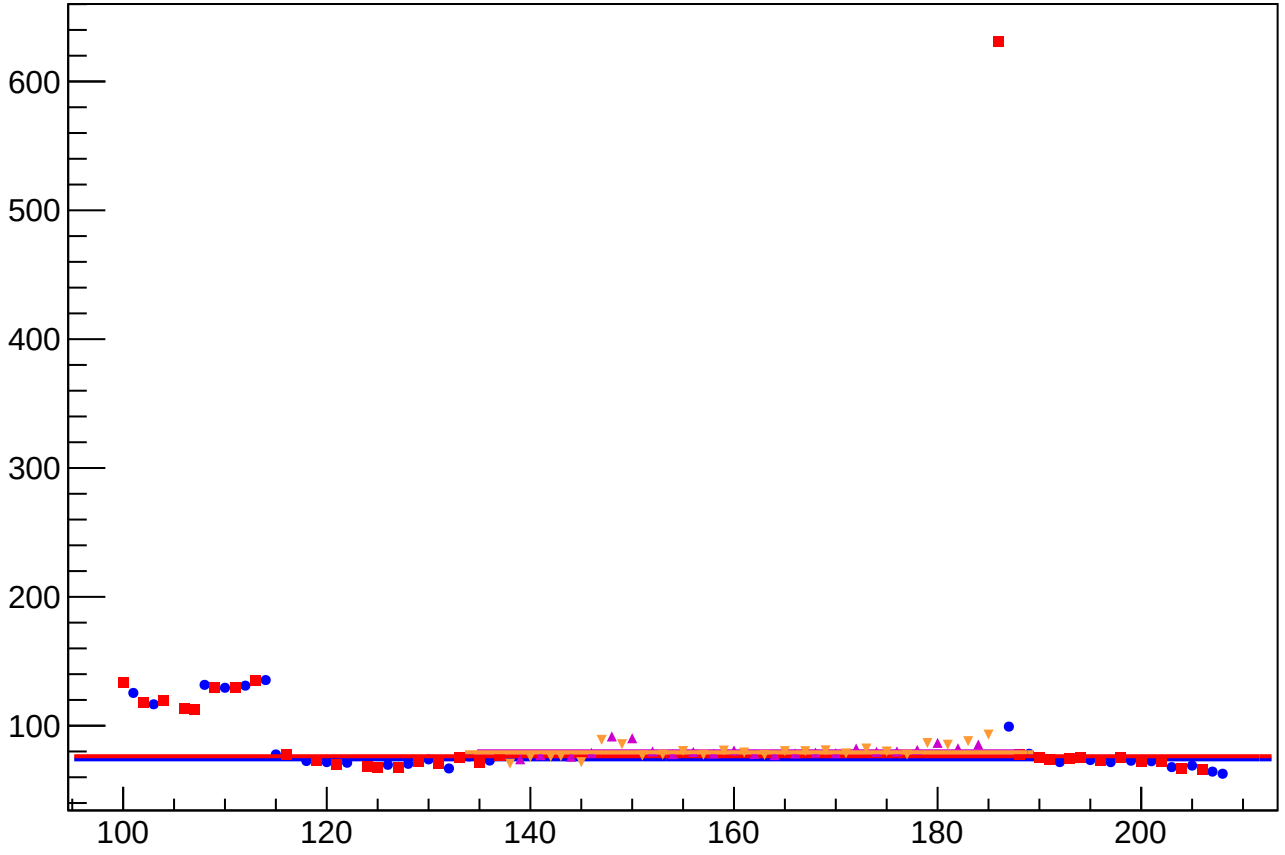
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -100.517+/-13.067 χ^2/NDF: 92.3/51

All: -20.658+/-9.380 χ^2/NDF: 258.0/105

- sign 64.259+/-13.474 χ^2/NDF: 88.6/53

cor_asym_sam1_rms vs Slug



Right In: 73.882+/-0.013 χ^2/NDF: 1074859.7/26

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 76.309+/-0.014 χ^2/NDF: 1724325.3/30

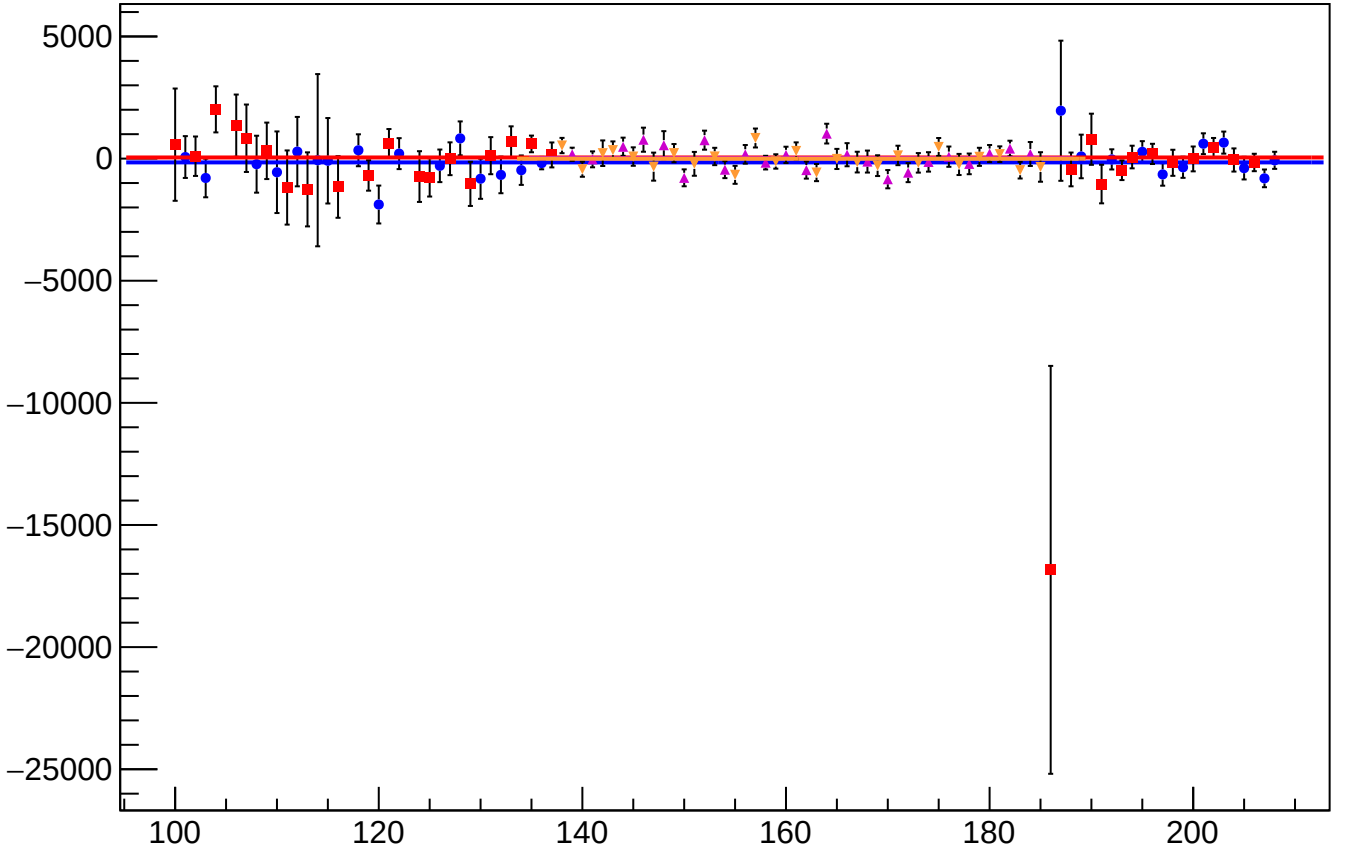
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 76.770+/-0.009 χ^2/NDF: 1298967.8/51

All: 77.510+/-0.007 χ^2/NDF: 3168794.1/105

- sign 78.297+/-0.010 χ^2/NDF: 1856597.1/53

asym_sam1_cor_correction_mean vs Slug



Right In: -155.456+/-105.034 χ^2/NDF: 23.2/26

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 46.338+/-110.638 χ^2/NDF: 27.7/30

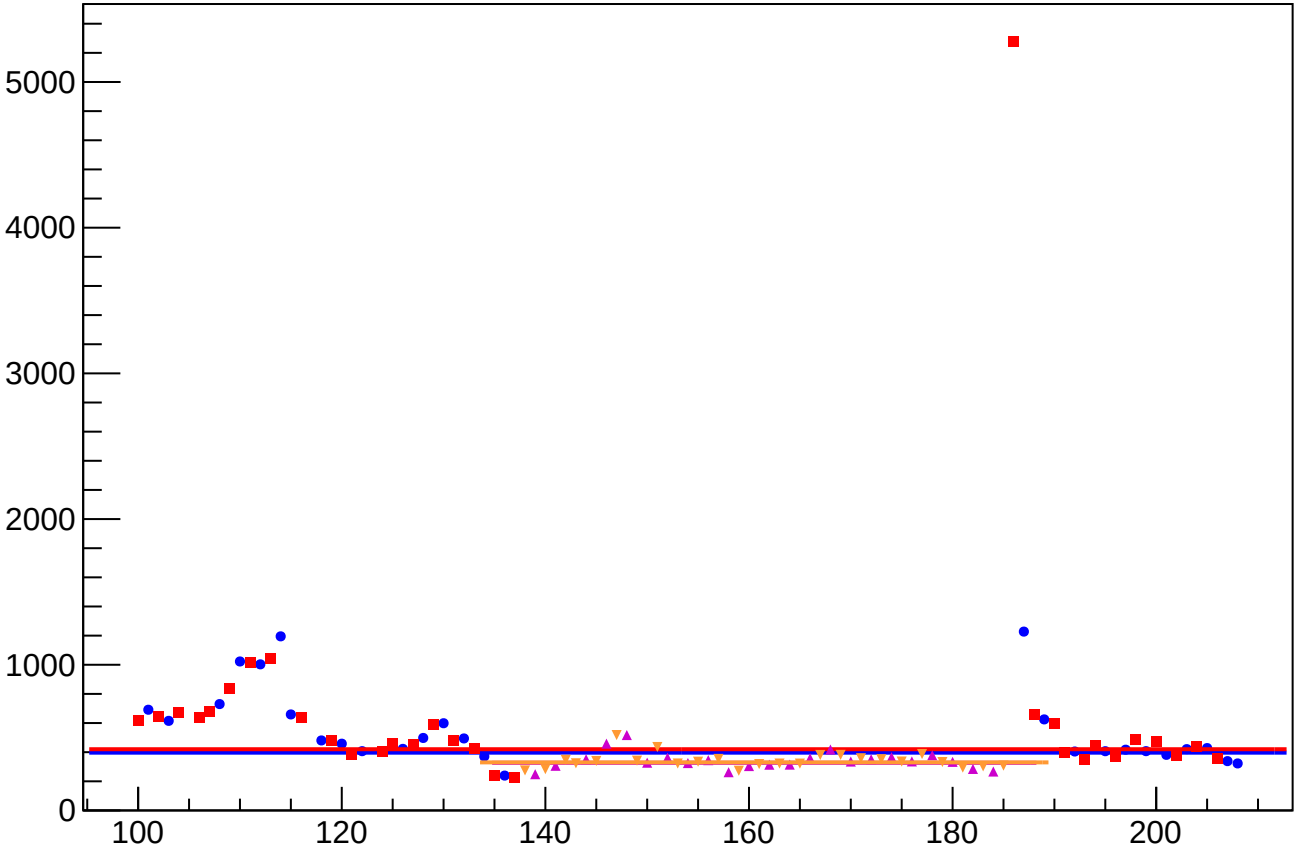
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -55.577+/-61.499 χ^2/NDF: 48.6/51

All: -15.024+/-44.176 χ^2/NDF: 112.3/105

- sign 28.210+/-63.498 χ^2/NDF: 62.8/53

asym_sam1_cor_correction_rms vs Slug



Right In: 396.674+/-0.074 χ^2/NDF: 2826351.4/26

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 420.289+/-0.078 χ^2/NDF: 3564193.5/30

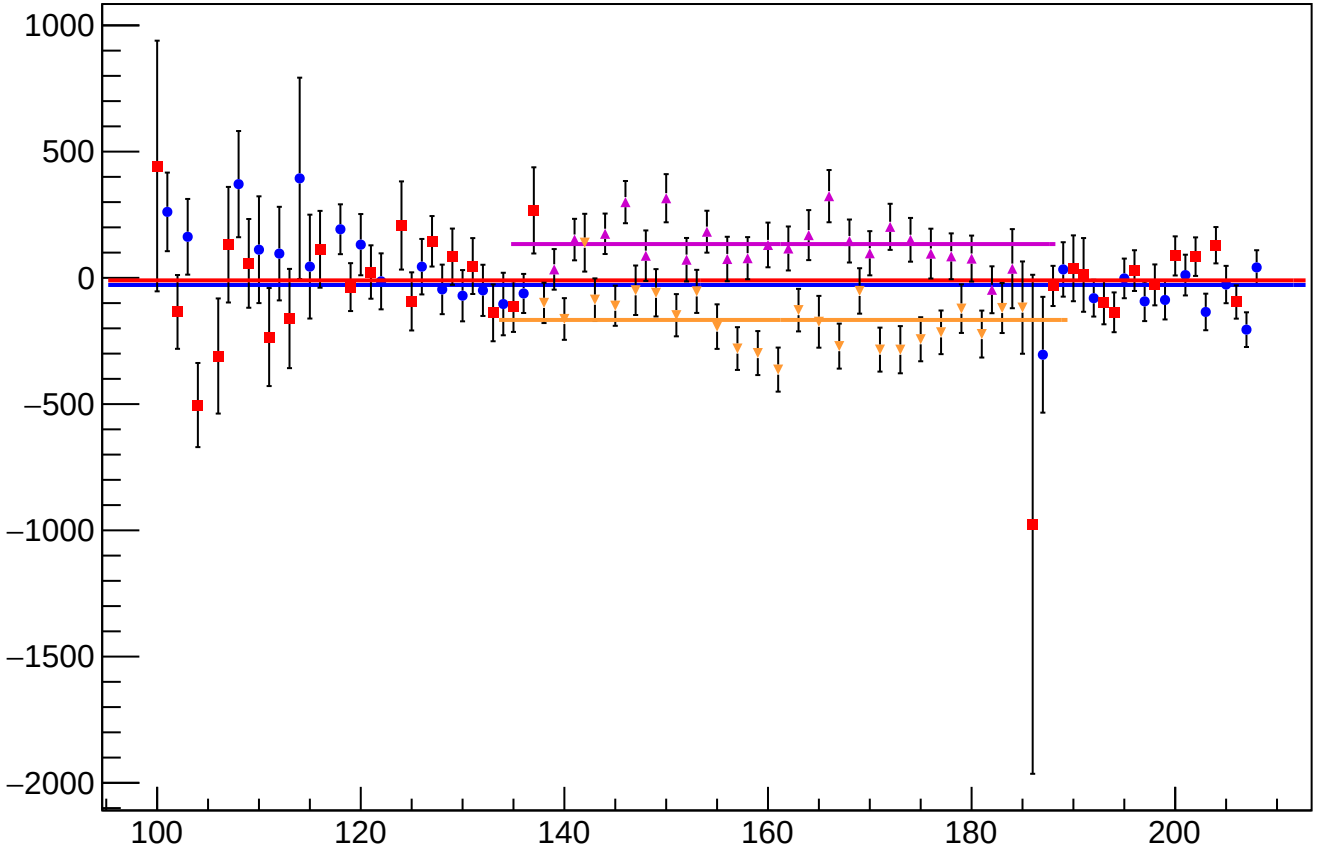
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 352.836+/-0.043 χ^2/NDF: 4015729.6/51

All: 355.193+/-0.031 χ^2/NDF: 9439634.3/105

- sign 357.704+/-0.045 χ^2/NDF: 5417839.6/53

eigen_cor_asym_sam1_mean vs Slug



Right In: -28.161+/-18.907 χ^2/NDF: 32.6/26

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -9.959+/-19.369 χ^2/NDF: 39.4/30

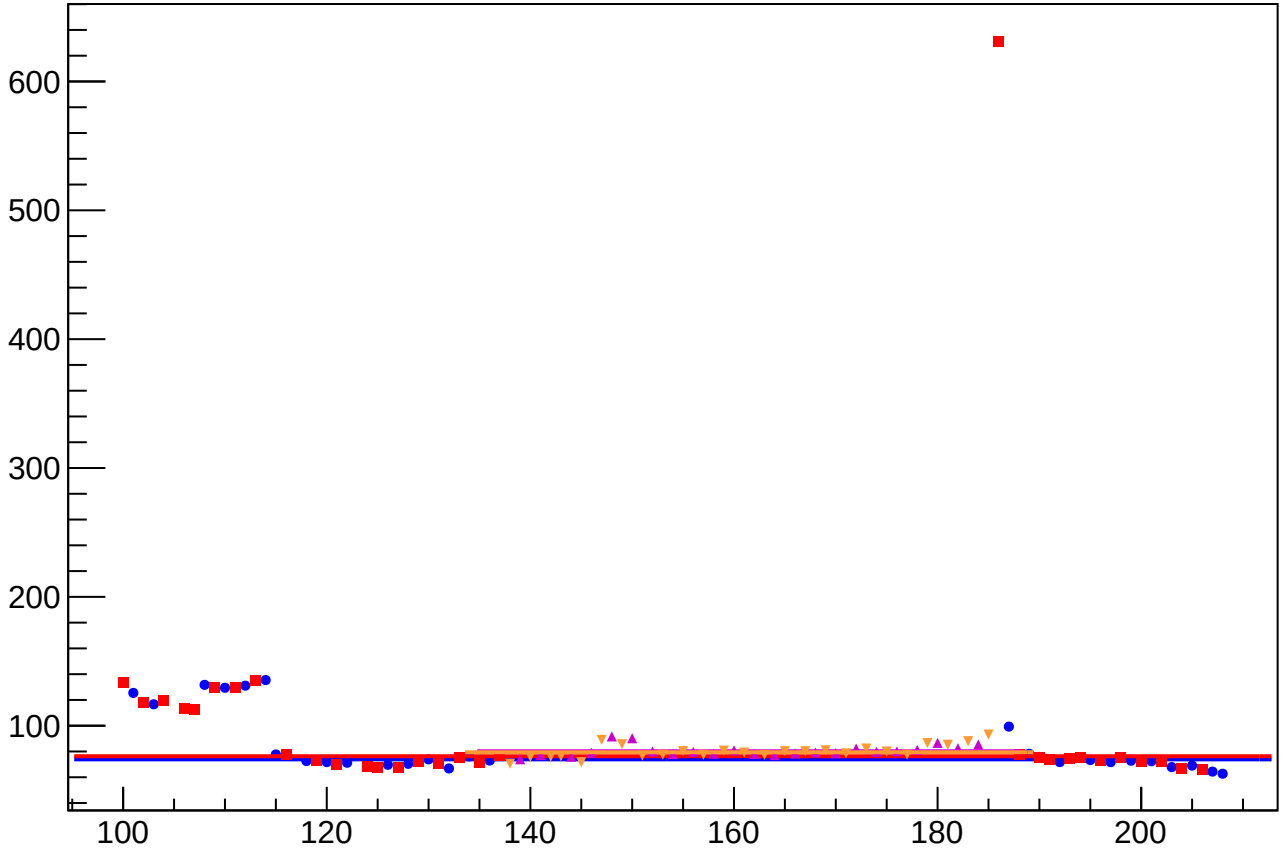
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -100.517+/-13.067 χ^2/NDF: 92.3/51

All: -20.658+/-9.380 χ^2/NDF: 258.0/105

- sign 64.259+/-13.474 χ^2/NDF: 88.6/53

eigen_cor_asym_sam1_rms vs Slug



Right In: 73.882+/-0.013 χ^2/NDF: 1074859.7/26

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

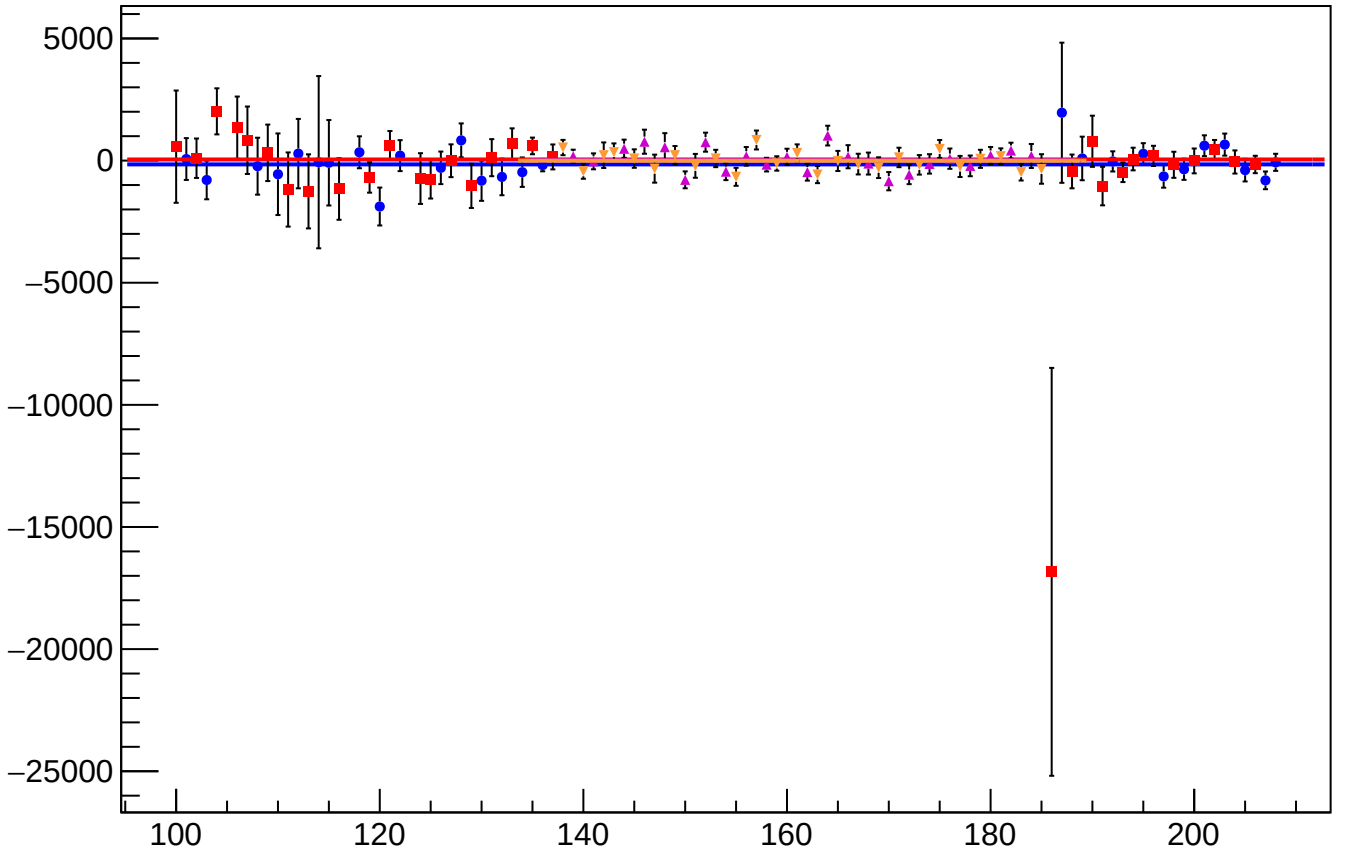
Right Out: 76.309+/-0.014 χ^2/NDF: 1724325.3/30

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 76.770+/-0.009 χ^2/NDF: 1298967.8/51

All: 77.510+/-0.007 χ^2/NDF: 3168794.1/105

- sign 78.297+/-0.010 χ^2/NDF: 1856597.1/53



Right In: -155.456+/-105.034 χ^2/NDF: 23.2/26

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 46.338+/-110.638 χ^2/NDF: 27.7/30

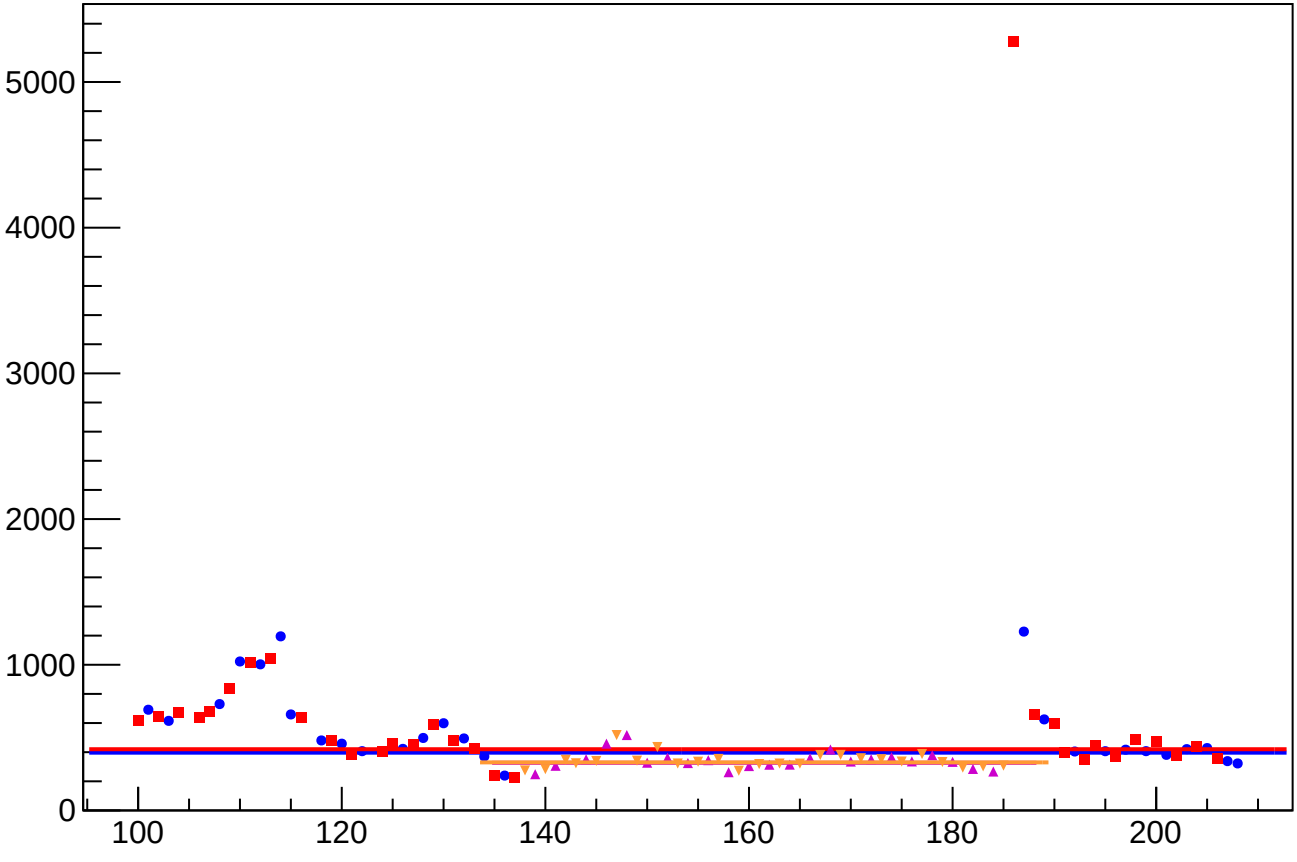
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -55.577+/-61.499 χ^2/NDF: 48.6/51

All: -15.024+/-44.176 χ^2/NDF: 112.3/105

- sign 28.210+/-63.498 χ^2/NDF: 62.8/53

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 396.674+/-0.074 χ^2/NDF: 2826351.4/26

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 420.289+/-0.078 χ^2/NDF: 3564193.5/30

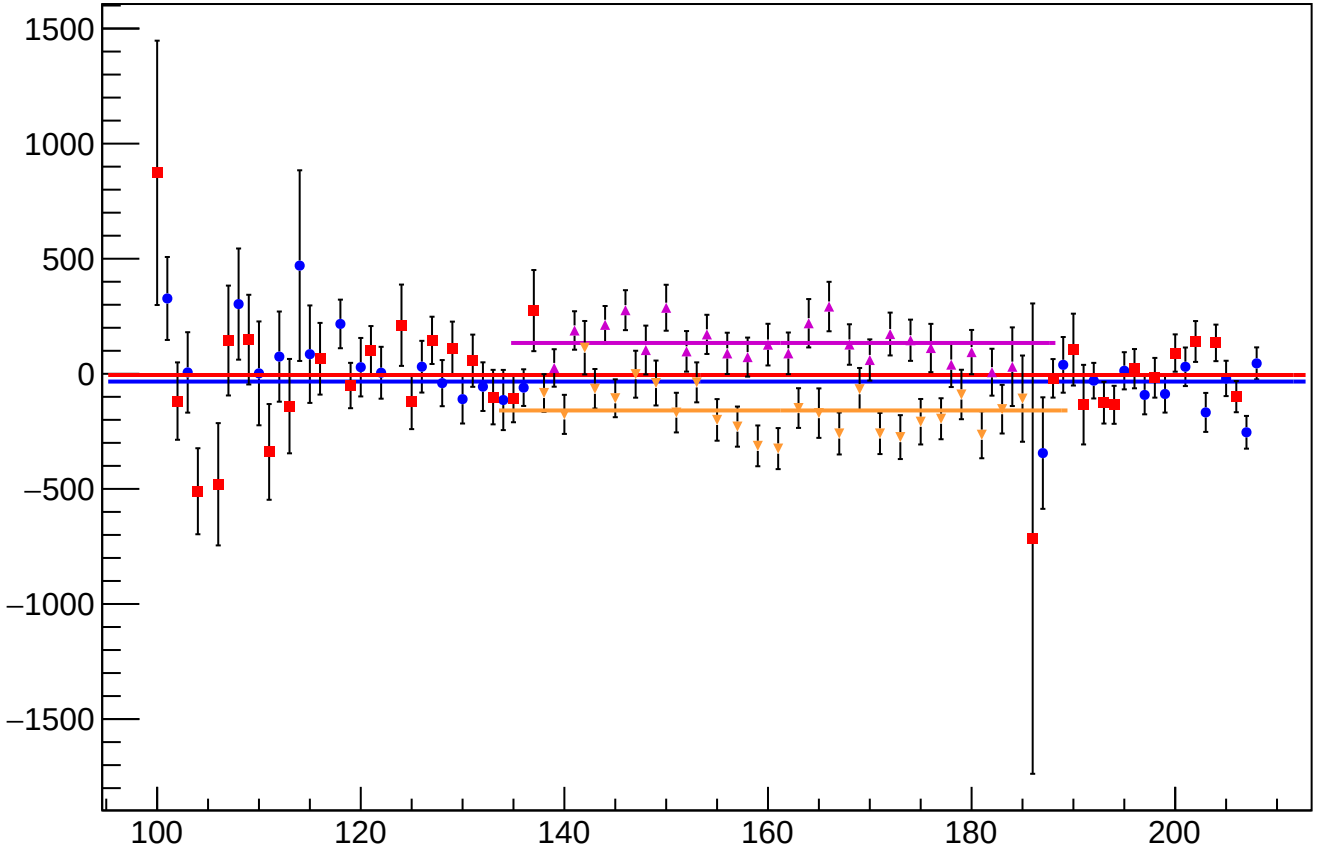
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

\+ sign 352.836+/-0.043 χ^2/NDF: 4015729.6/51

All: 355.193+/-0.031 χ^2/NDF: 9439634.3/105

\- sign 357.704+/-0.045 χ^2/NDF: 5417839.6/53

dit_asym_sam1_mean vs Slug



Right In: -33.665+/-19.941 χ^2/NDF: 32.8/26

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -5.137+/-20.568 χ^2/NDF: 43.8/30

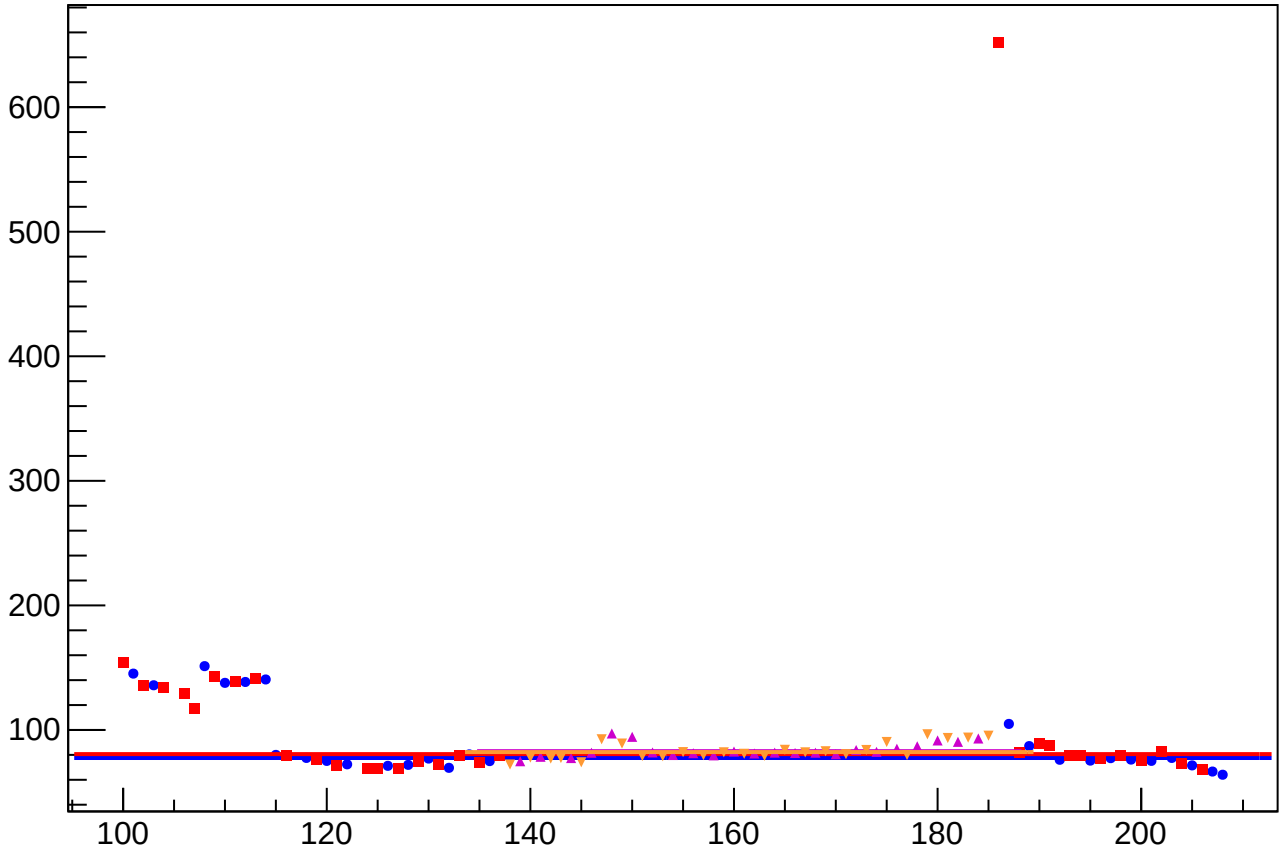
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -100.306+/-13.660 χ^2/NDF: 82.0/51

All: -18.822+/-9.820 χ^2/NDF: 240.0/105

- sign 68.353+/-14.128 χ^2/NDF: 84.4/53

dit_asym_sam1_rms vs Slug



Right In: 77.495+/-0.014 χ^2/NDF: 1283020.0/26

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 80.620+/-0.015 χ^2/NDF: 1891071.7/30

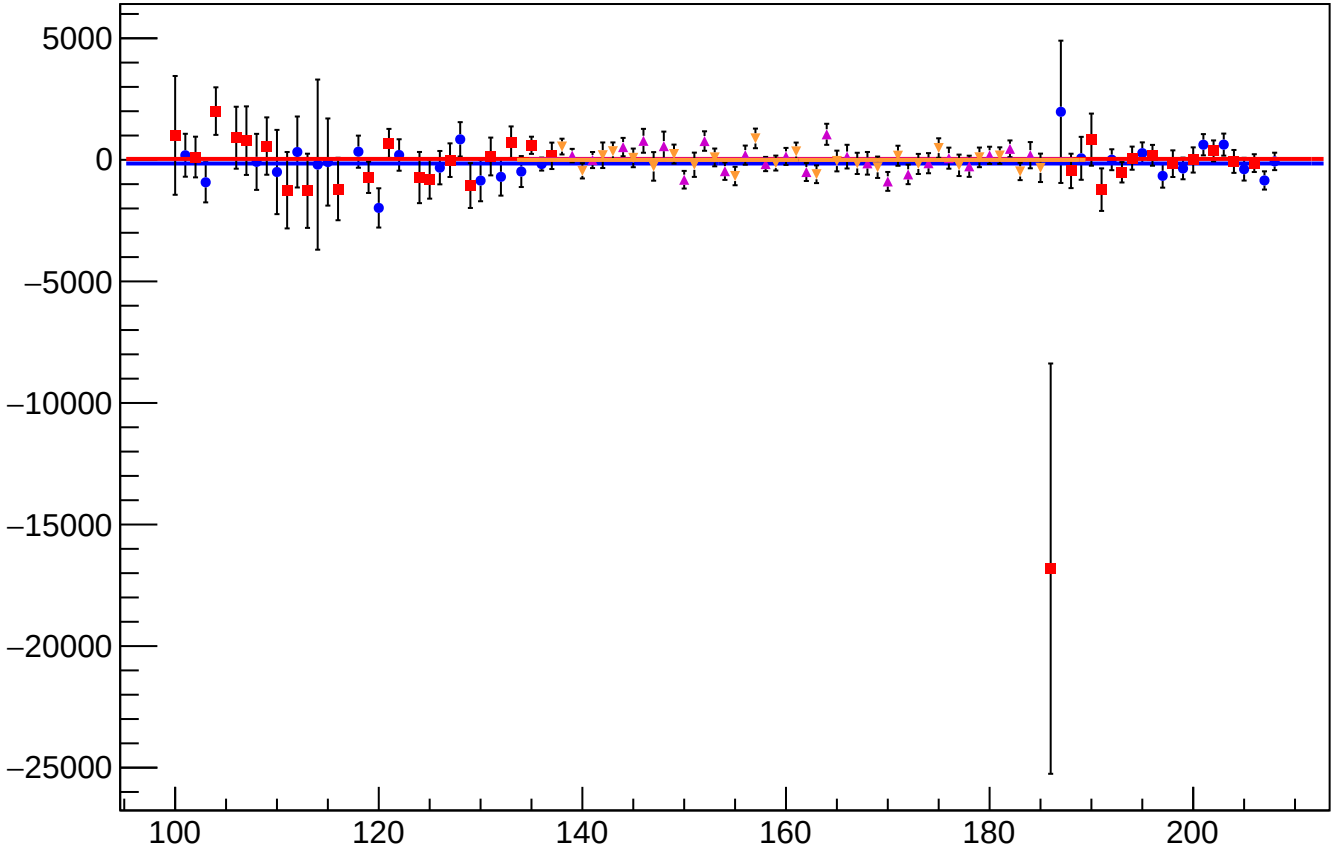
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 80.017+/-0.010 χ^2/NDF: 1559849.9/51

All: 80.914+/-0.007 χ^2/NDF: 3628428.2/105

- sign 81.873+/-0.010 χ^2/NDF: 2050743.8/53

asym_sam1_dit_correction_mean vs Slug



Right In: -150.212+/-108.285 χ^2/NDF: 23.4/26

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 37.939+/-114.396 χ^2/NDF: 26.7/30

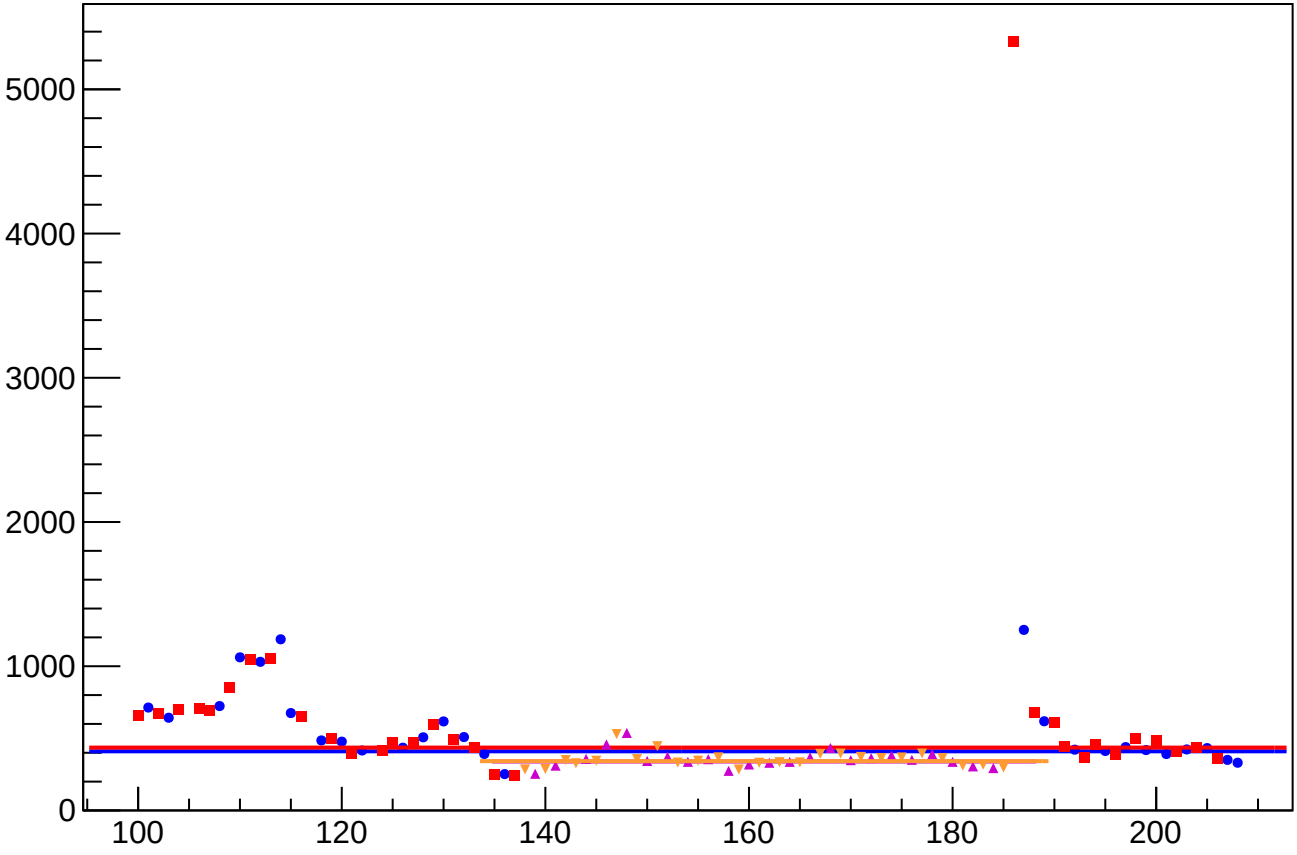
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -53.844+/-63.600 χ^2/NDF: 48.1/51

All: -16.428+/-45.725 χ^2/NDF: 110.4/105

- sign 23.602+/-65.784 χ^2/NDF: 61.6/53

asym_sam1_dit_correction_rms vs Slug



Right In: 409.953+/-0.077 χ^2/NDF: 2705951.7/26

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 435.924+/-0.081 χ^2/NDF: 3488292.5/30

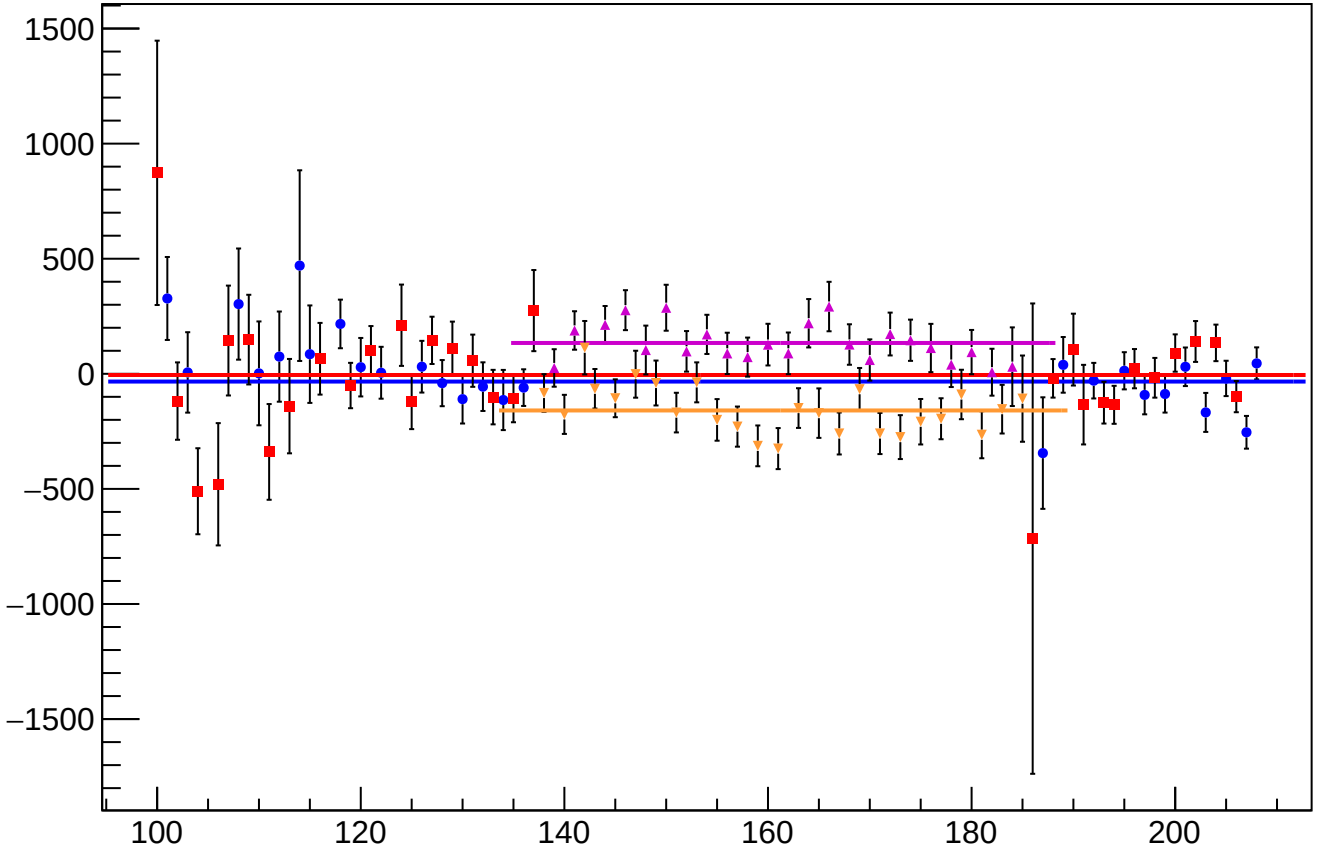
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

\+ sign 365.387+/-0.045 χ^2/NDF: 3877040.8/51

All: 368.263+/-0.032 χ^2/NDF: 9172950.0/105

\- sign 371.339+/-0.047 χ^2/NDF: 5287445.9/53

eigen_dit_asym_sam1_mean vs Slug



Right In: -33.664+/-19.941 χ^2/NDF: 32.8/26

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -5.136+/-20.568 χ^2/NDF: 43.8/30

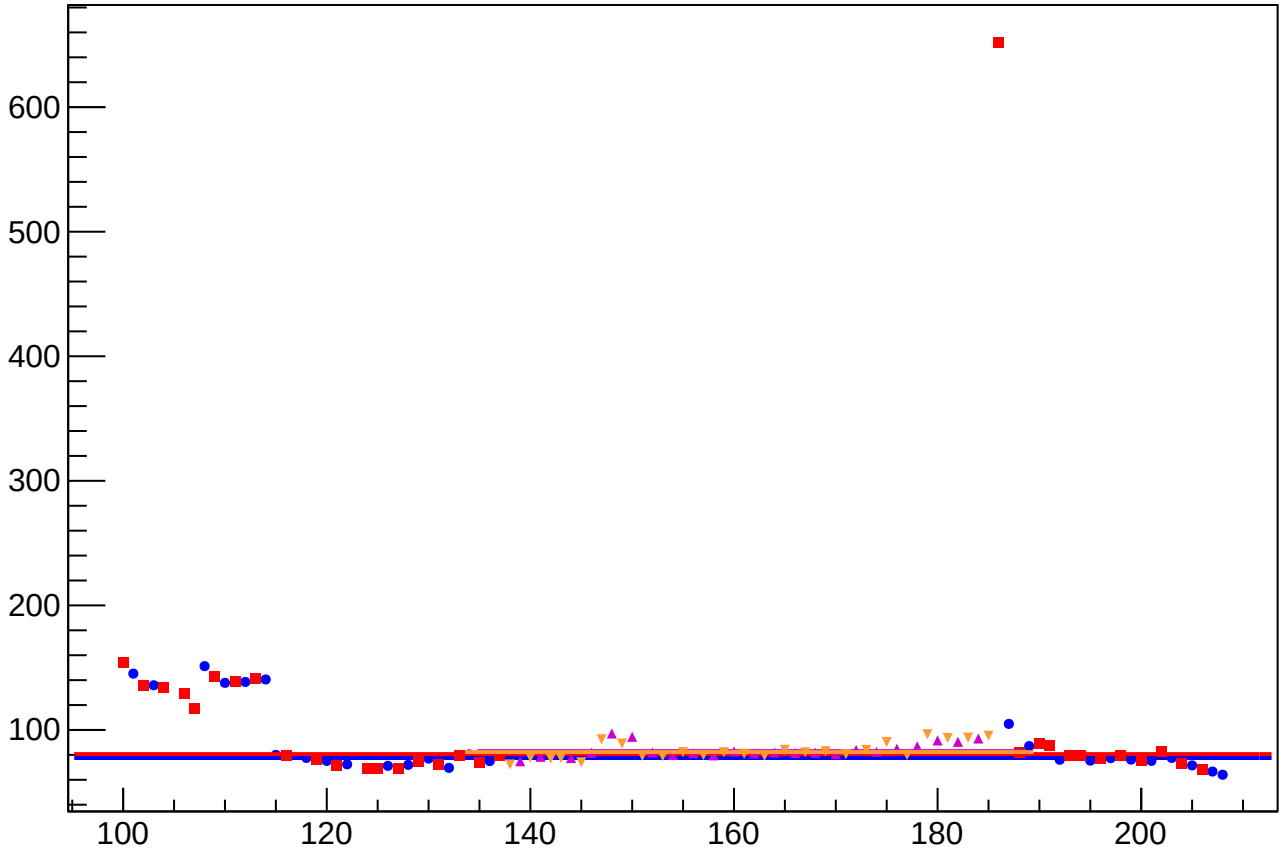
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -100.306+/-13.660 χ^2/NDF: 82.0/51

All: -18.821+/-9.820 χ^2/NDF: 240.0/105

- sign 68.353+/-14.128 χ^2/NDF: 84.4/53

eigen_dit_asym_sam1_rms vs Slug



Right In: 77.495+/-0.014 χ^2/NDF: 1283021.0/26

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 80.620+/-0.015 χ^2/NDF: 1891071.3/30

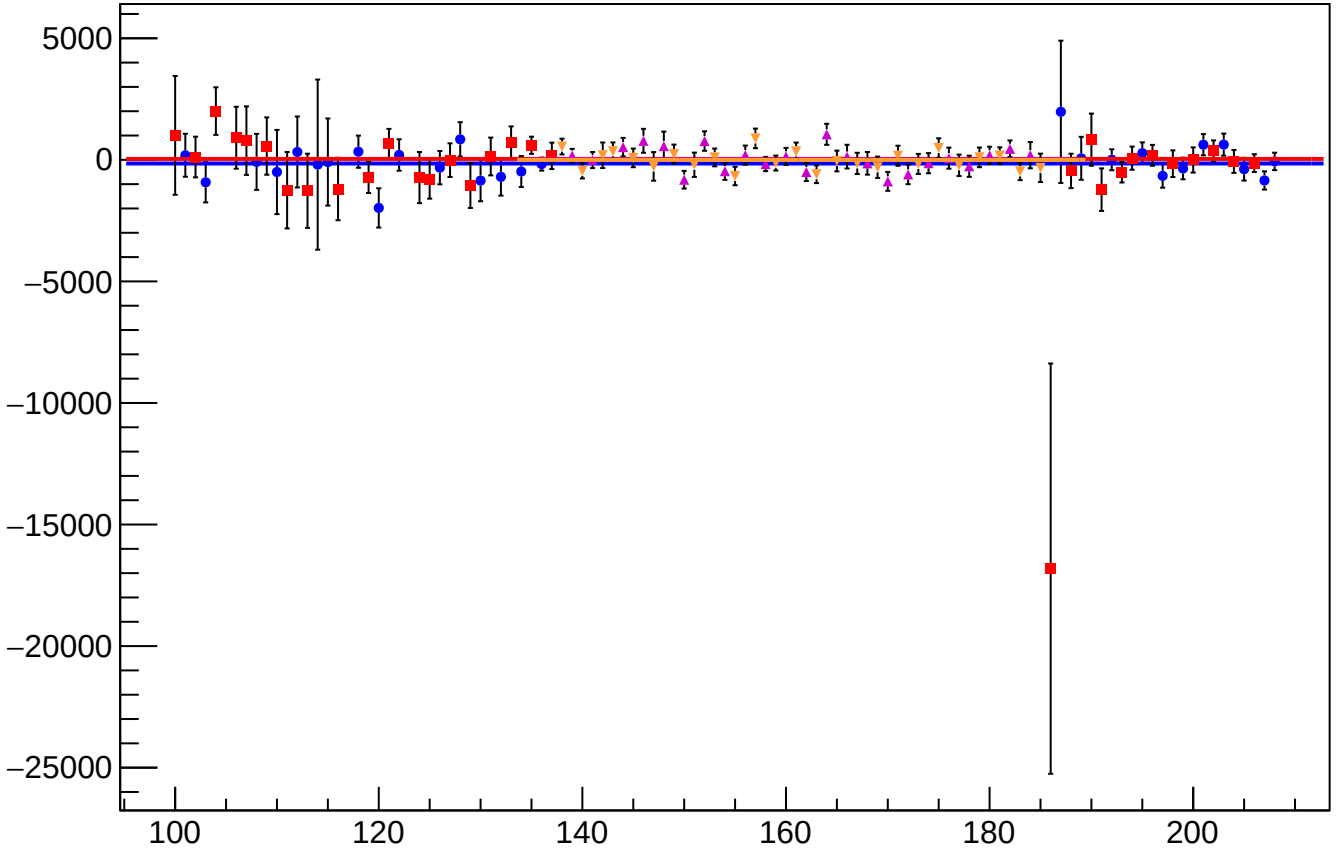
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 80.017+/-0.010 χ^2/NDF: 1559854.0/51

All: 80.914+/-0.007 χ^2/NDF: 3628431.5/105

- sign 81.873+/-0.010 χ^2/NDF: 2050743.3/53

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -150.210+/-108.285 χ^2/NDF: 23.4/26

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 37.939+/-114.396 χ^2/NDF: 26.7/30

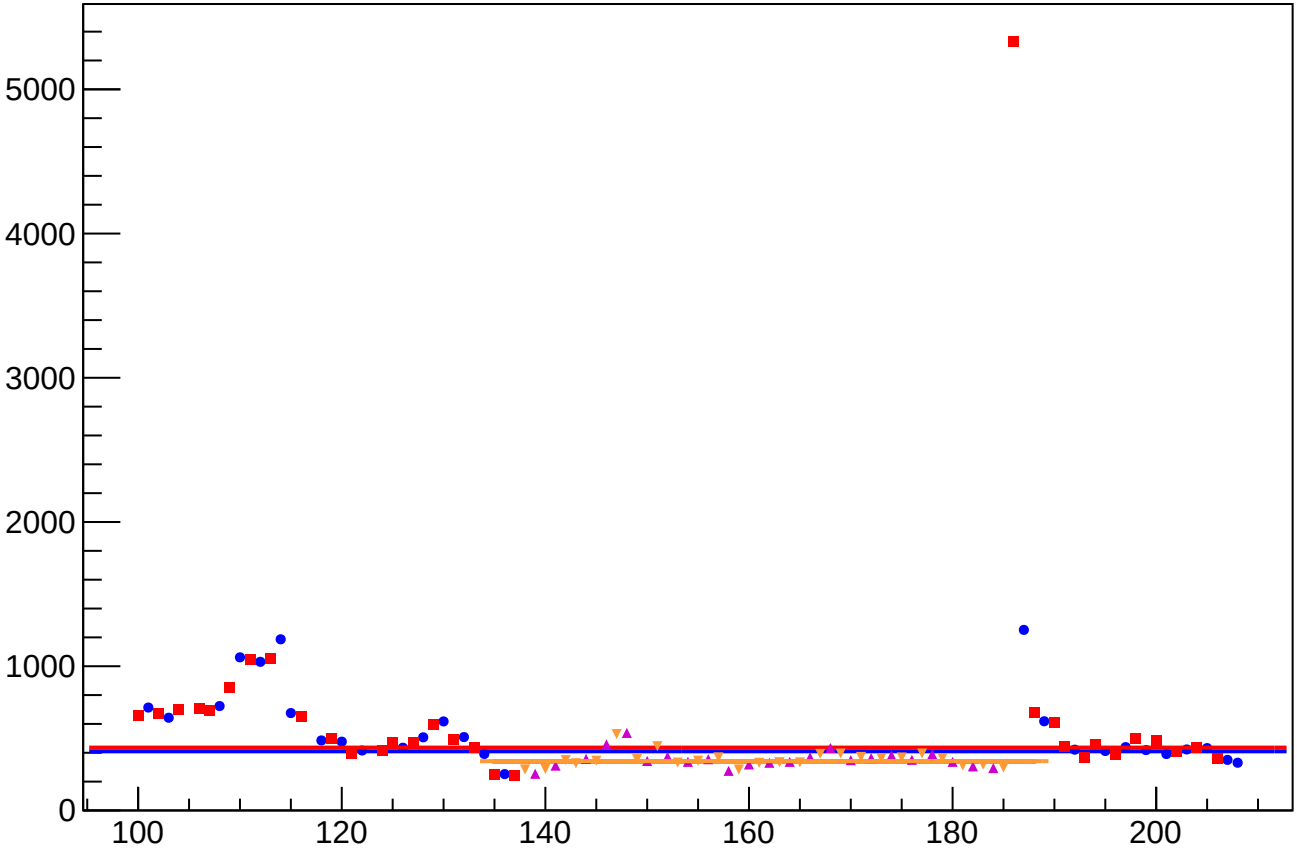
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -53.844+/-63.600 χ^2/NDF: 48.1/51

All: -16.428+/-45.725 χ^2/NDF: 110.4/105

- sign 23.602+/-65.784 χ^2/NDF: 61.6/53

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 409.952+/-0.077 χ^2/NDF: 2705957.0/26

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 435.923+/-0.081 χ^2/NDF: 3488300.3/30

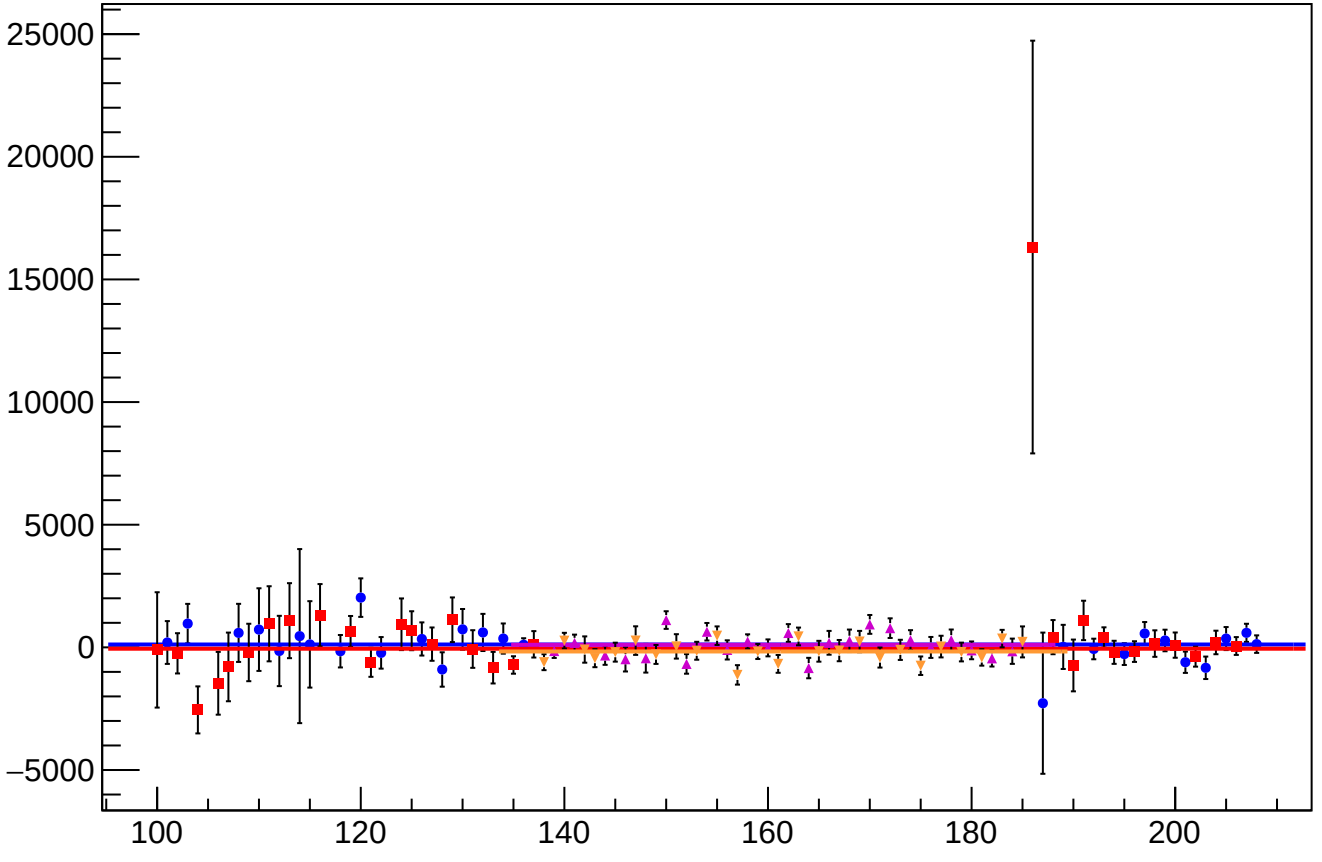
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

\+ sign 365.387+/-0.045 χ^2/NDF: 3877037.3/51

All: 368.262+/-0.032 χ^2/NDF: 9172941.5/105

\- sign 371.339+/-0.047 χ^2/NDF: 5287441.0/53

asym_sam1_mean vs Slug



Right In: 116.280+/-107.243 χ^2/NDF: 22.9/26

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -55.208+/-112.852 χ^2/NDF: 30.5/30

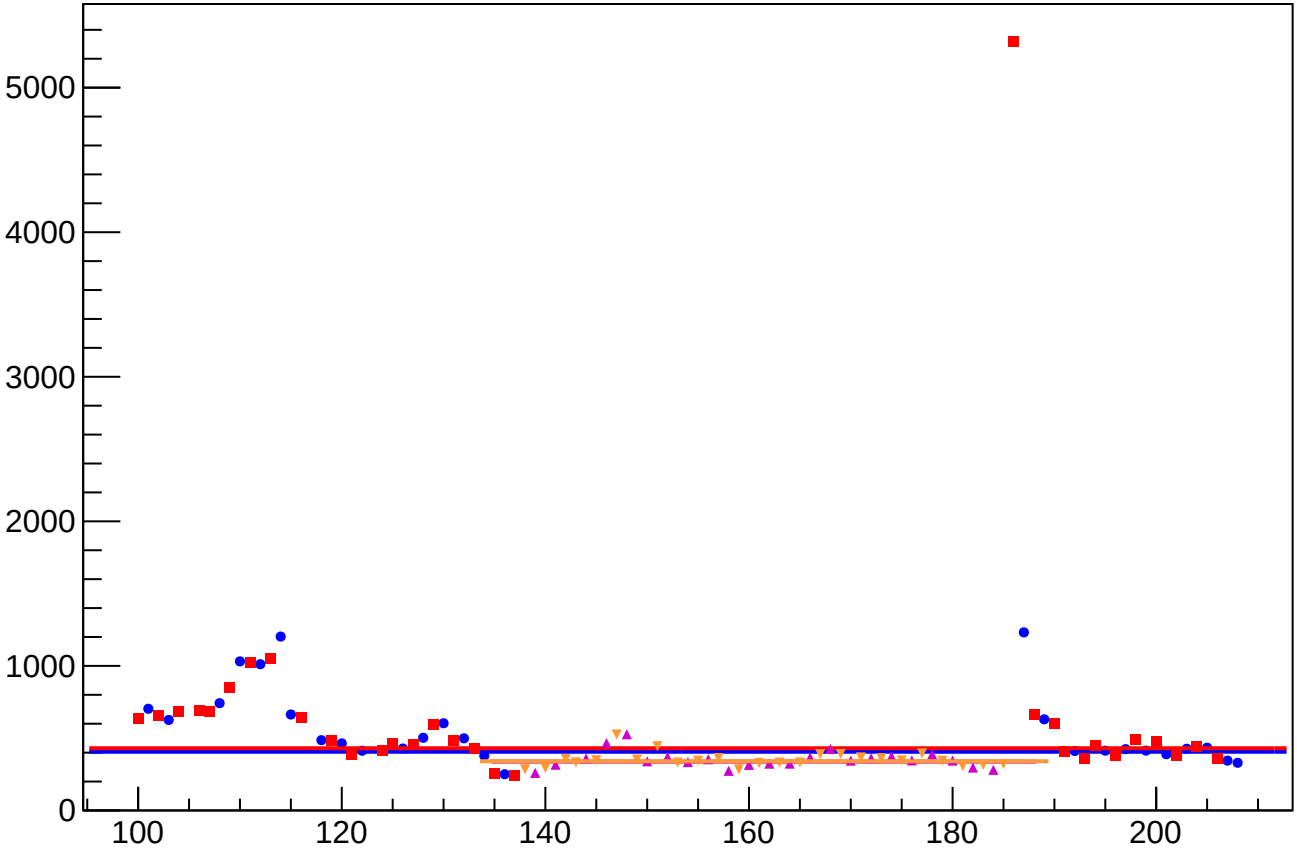
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -68.946+/-63.175 χ^2/NDF: 53.1/51

All: -11.035+/-45.391 χ^2/NDF: 124.1/105

- sign 50.767+/-65.262 χ^2/NDF: 69.3/53

asym_sam1_rms vs Slug



Right In: 406.100+/-0.076 χ^2/NDF: 2684590.2/26

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 430.299+/-0.080 χ^2/NDF: 3440489.1/30

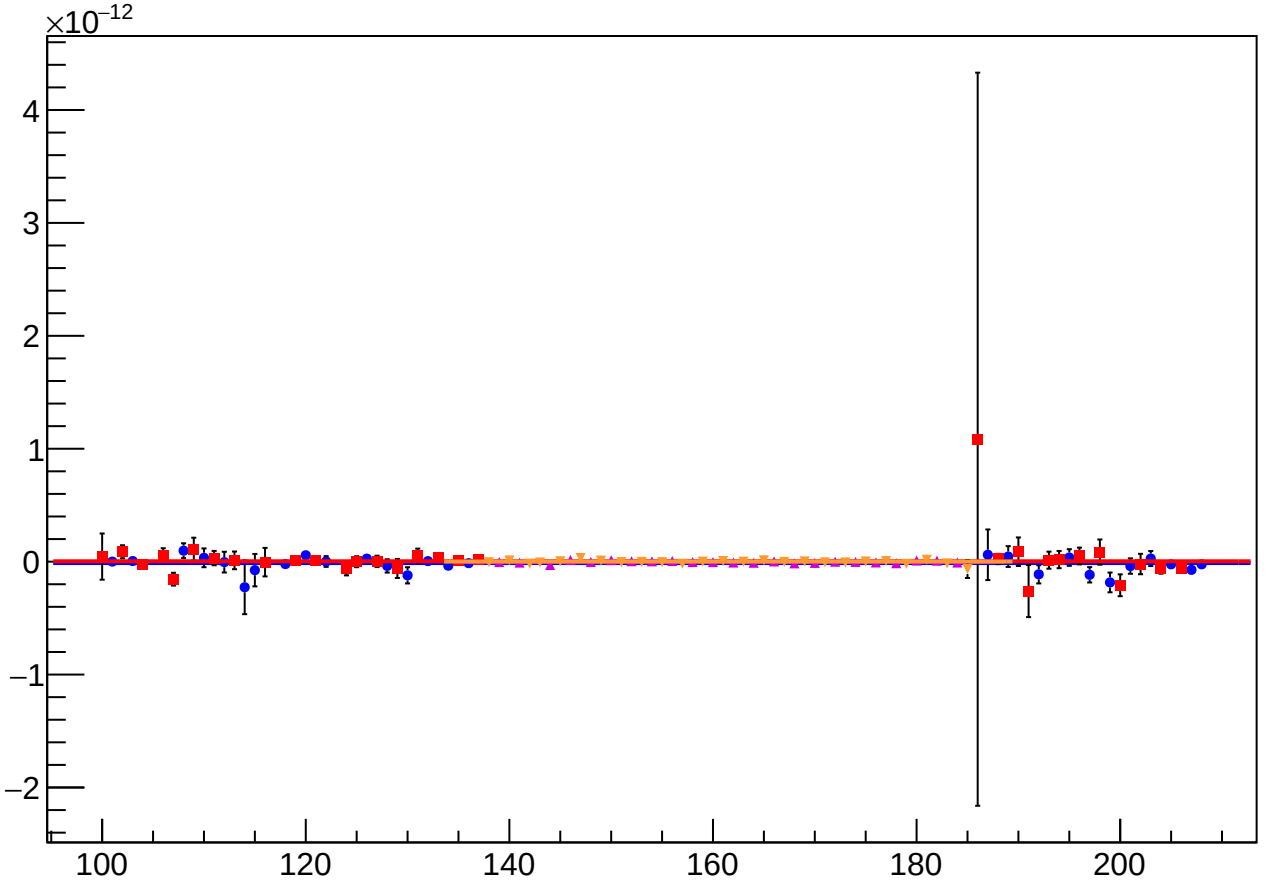
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 363.193+/-0.045 χ^2/NDF: 3779024.0/51

All: 365.860+/-0.032 χ^2/NDF: 8942658.6/105

- sign 368.707+/-0.046 χ^2/NDF: 5156263.5/53

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

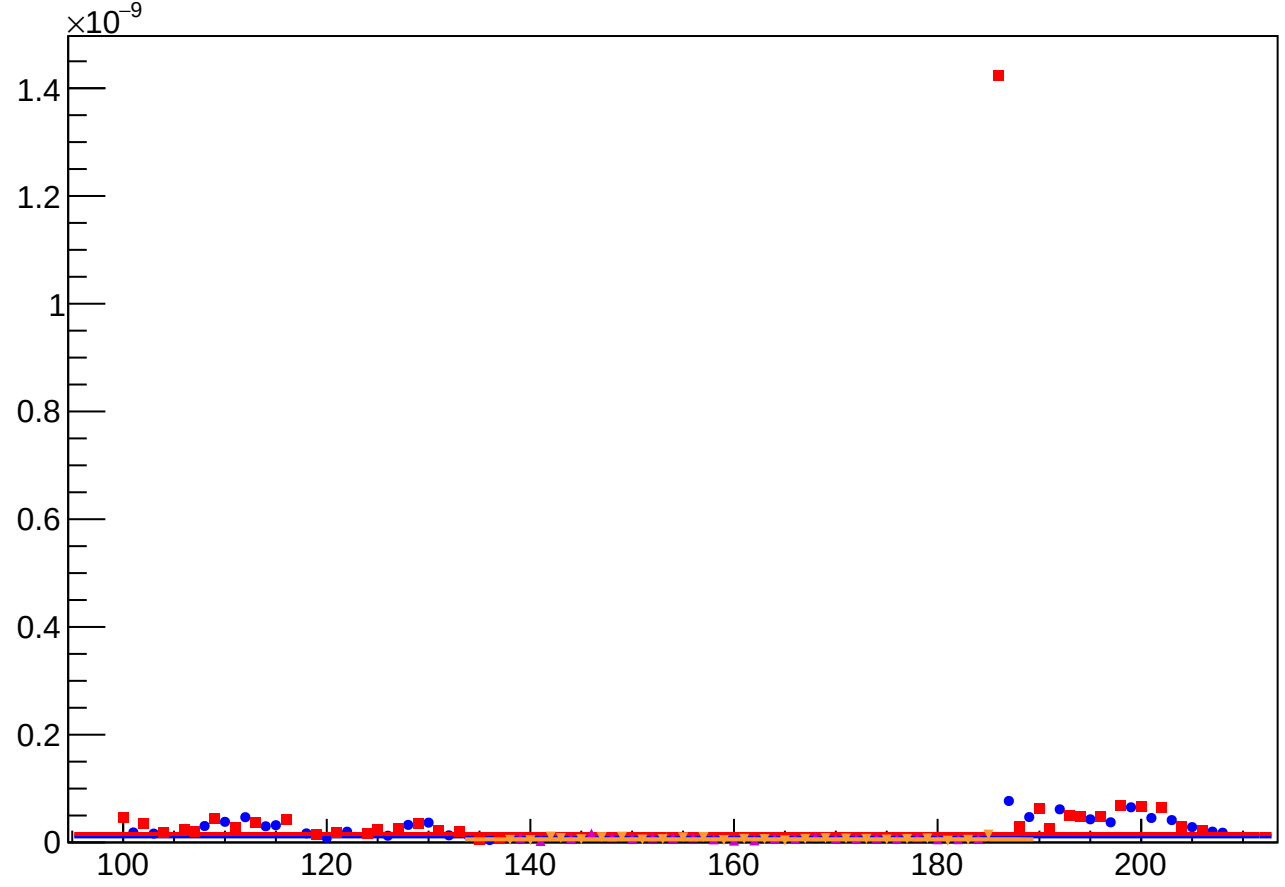
Right Out: 0.000+/-0.000 χ^2/NDF: 31.0/30

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.7/51

All: -0.000+/-0.000 χ^2/NDF: 93.9/105

- sign -0.000+/-0.000 χ^2/NDF: 43.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 7347887.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7063282.6/30

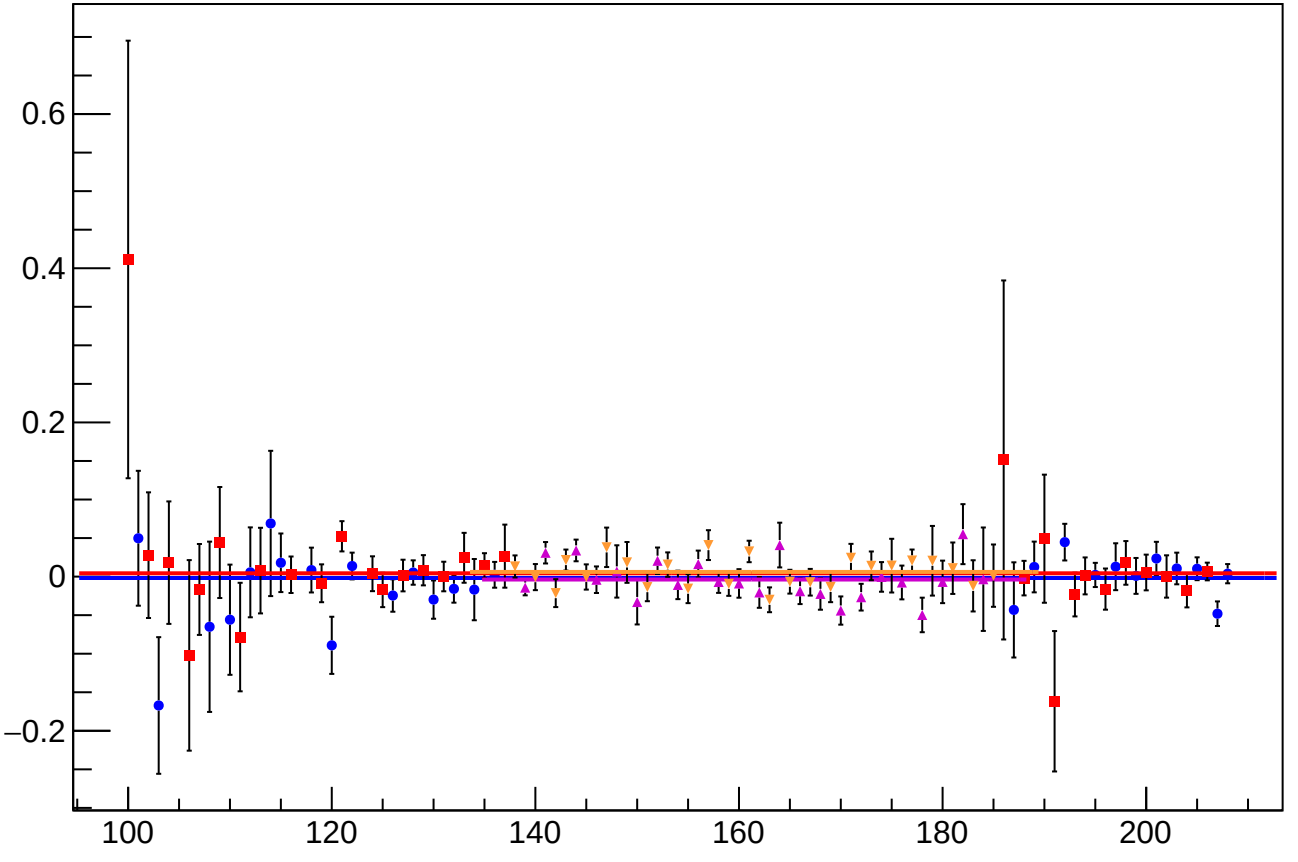
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10029948.2/51

All: 0.000+/-0.000 χ^2/NDF: 22008119.9/105

- sign 0.000+/-0.000 χ^2/NDF: 11891039.6/53

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.004 χ^2/NDF: 31.3/26

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.005 χ^2/NDF: 20.1/30

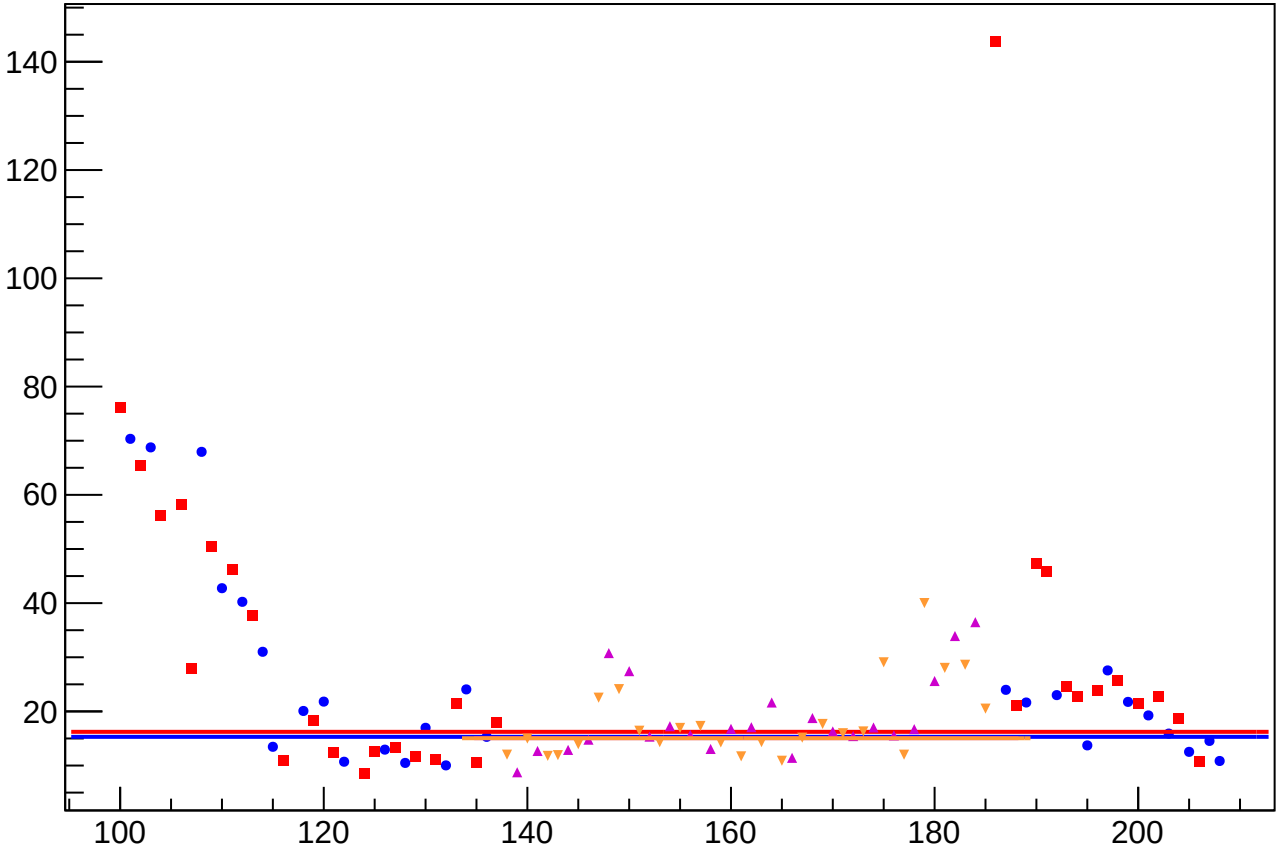
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 59.9/51

All: 0.001+/-0.002 χ^2/NDF: 119.6/105

- sign -0.001+/-0.003 χ^2/NDF: 59.0/53

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.302+/-0.003 χ^2/NDF: 4664525.8/26

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.227+/-0.003 χ^2/NDF: 6416310.7/30

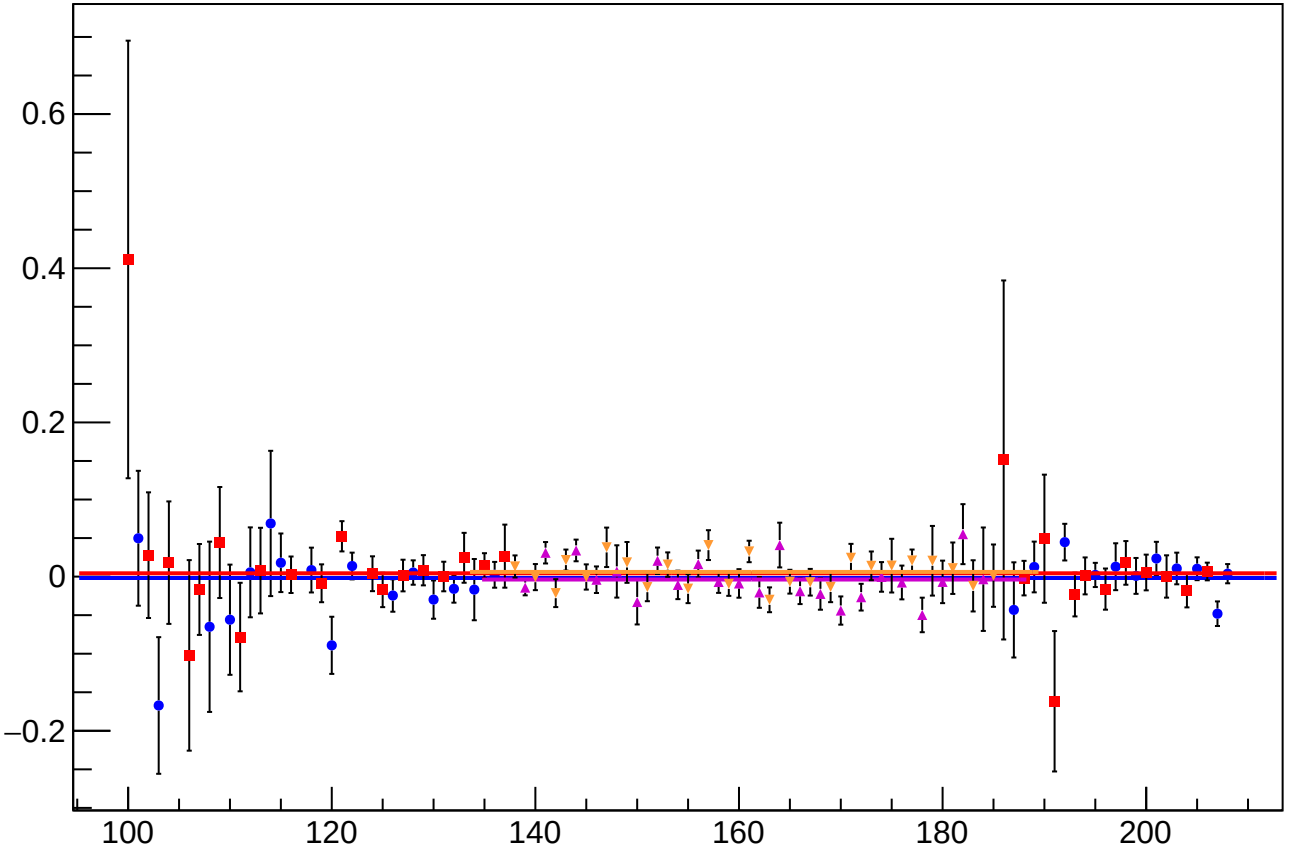
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.151+/-0.002 χ^2/NDF: 7426571.7/51

All: 15.332+/-0.001 χ^2/NDF: 16999850.9/105

- sign 15.531+/-0.002 χ^2/NDF: 9556087.6/53

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.004 χ^2/NDF: 31.3/26

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.005 χ^2/NDF: 20.1/30

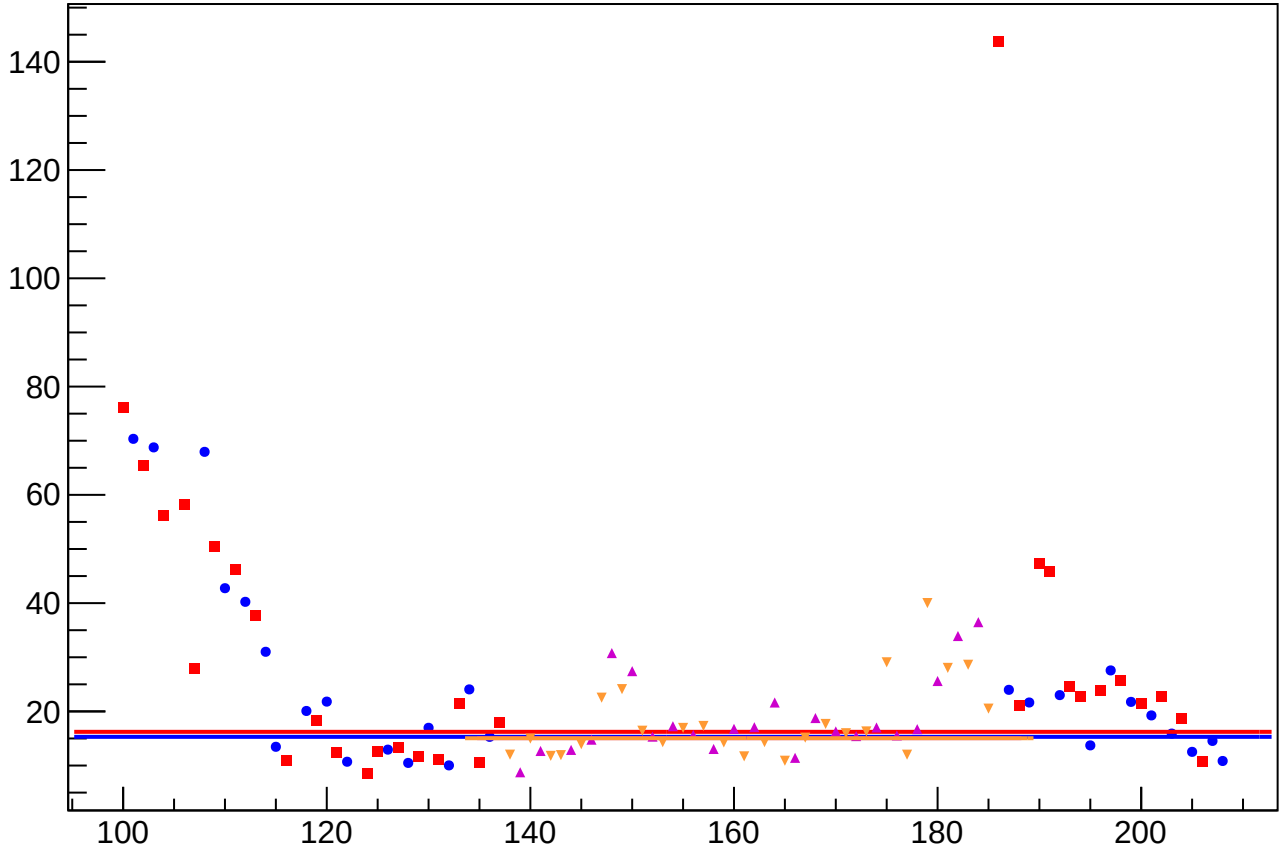
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 59.9/51

All: 0.001+/-0.002 χ^2/NDF: 119.6/105

- sign -0.001+/-0.003 χ^2/NDF: 59.0/53

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.302+/-0.003 χ^2/NDF: 4664525.8/26

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.227+/-0.003 χ^2/NDF: 6416310.7/30

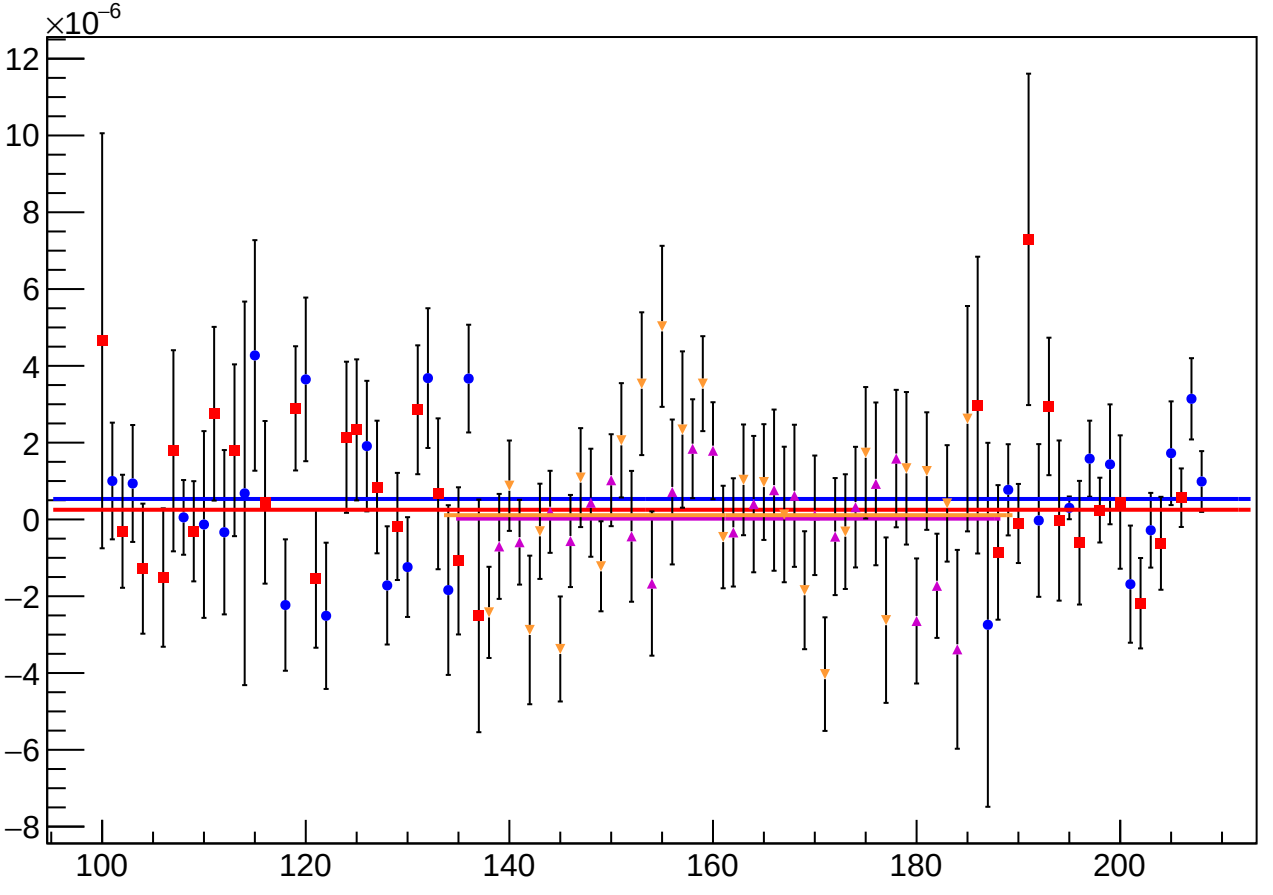
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.151+/-0.002 χ^2/NDF: 7426571.7/51

All: 15.332+/-0.001 χ^2/NDF: 16999850.9/105

- sign 15.531+/-0.002 χ^2/NDF: 9556087.6/53

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 36.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/30

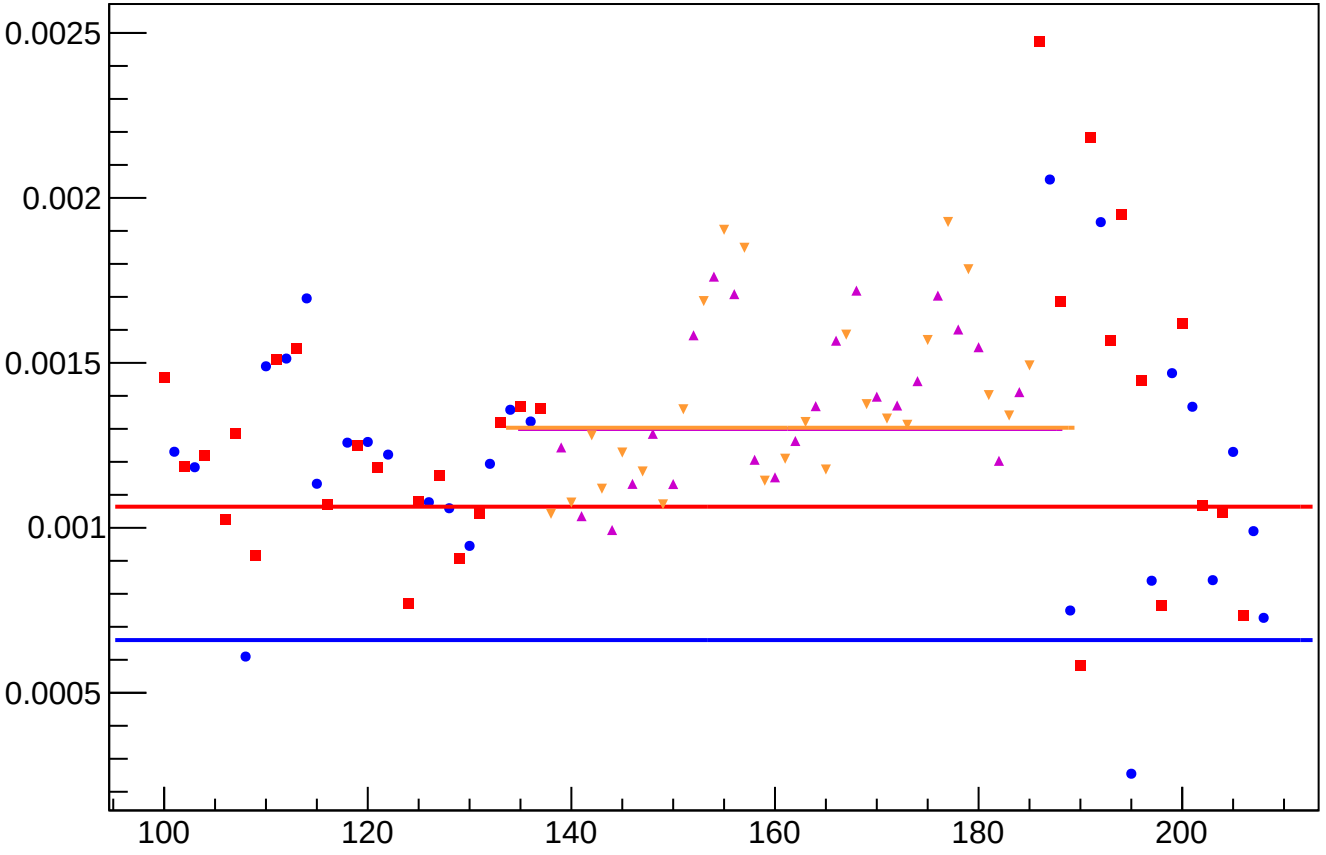
Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.3/51

All: 0.000+/-0.000 χ^2/NDF: 128.5/105

- sign 0.000+/-0.000 χ^2/NDF: 40.3/53

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9373212.5/26

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 3012978.7/30

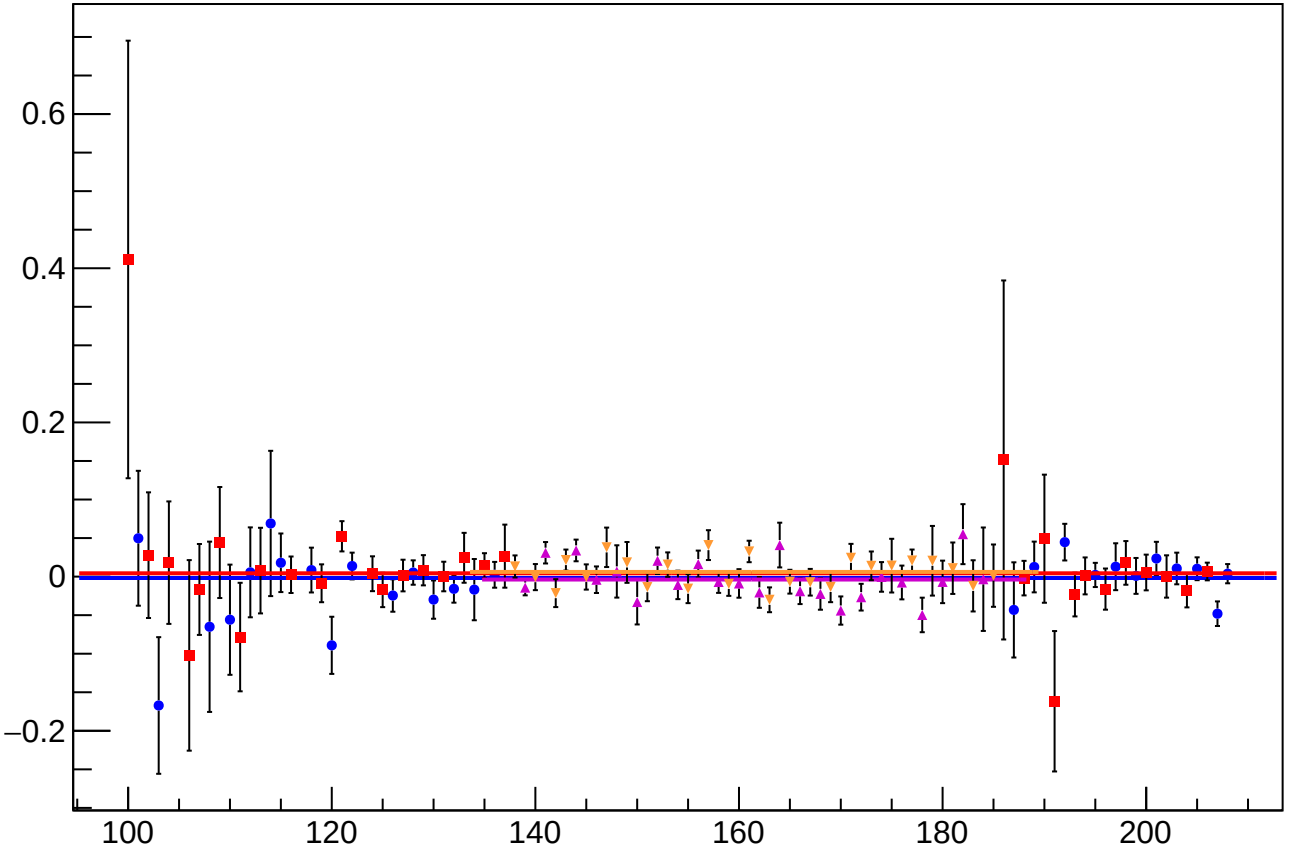
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 16806327.6/51

All: 0.001+/-0.000 χ^2/NDF: 24141914.8/105

- sign 0.001+/-0.000 χ^2/NDF: 4676843.4/53

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.004 χ^2/NDF: 31.3/26

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.005 χ^2/NDF: 20.1/30

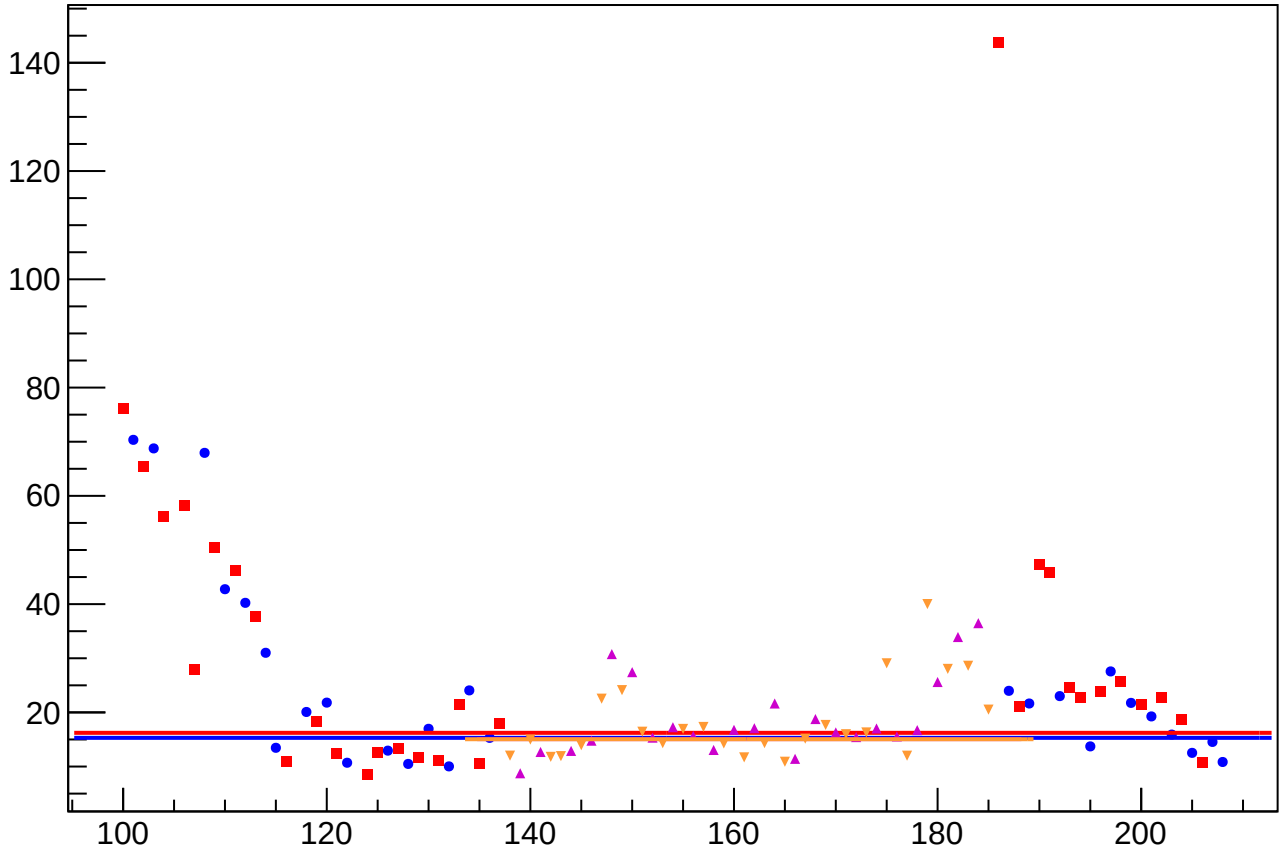
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 59.9/51

All: 0.001+/-0.002 χ^2/NDF: 119.6/105

- sign -0.001+/-0.003 χ^2/NDF: 59.0/53

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.302+/-0.003 χ^2/NDF: 4664535.8/26

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

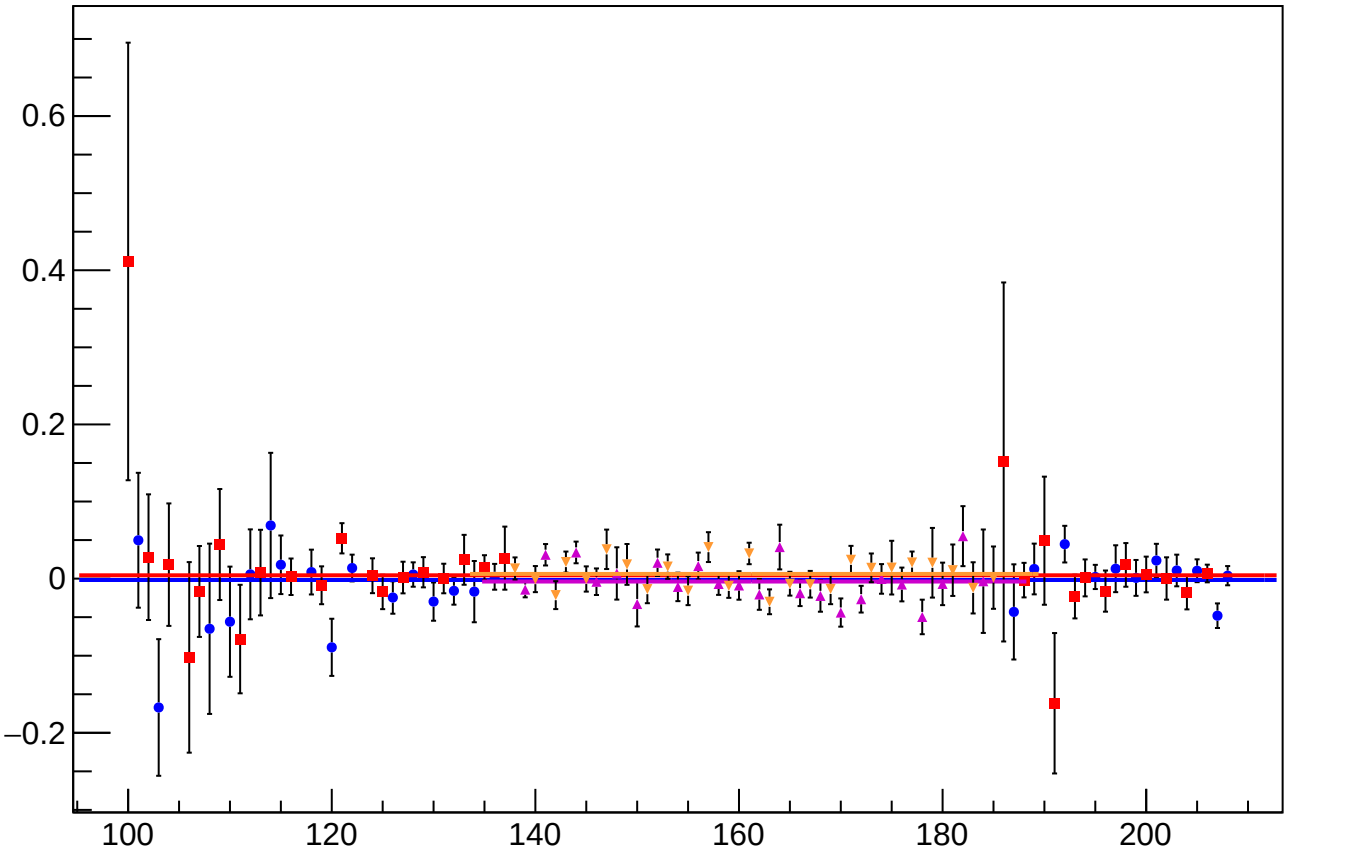
Right Out: 16.227+/-0.003 χ^2/NDF: 6416277.2/30

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.151+/-0.002 χ^2/NDF: 7426789.4/51

All: 15.332+/-0.001 χ^2/NDF: 17000081.0/105

- sign 15.531+/-0.002 χ^2/NDF: 9556092.8/53



Right In: -0.002+/-0.004 χ^2/NDF: 31.3/26

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.005 χ^2/NDF: 20.1/30

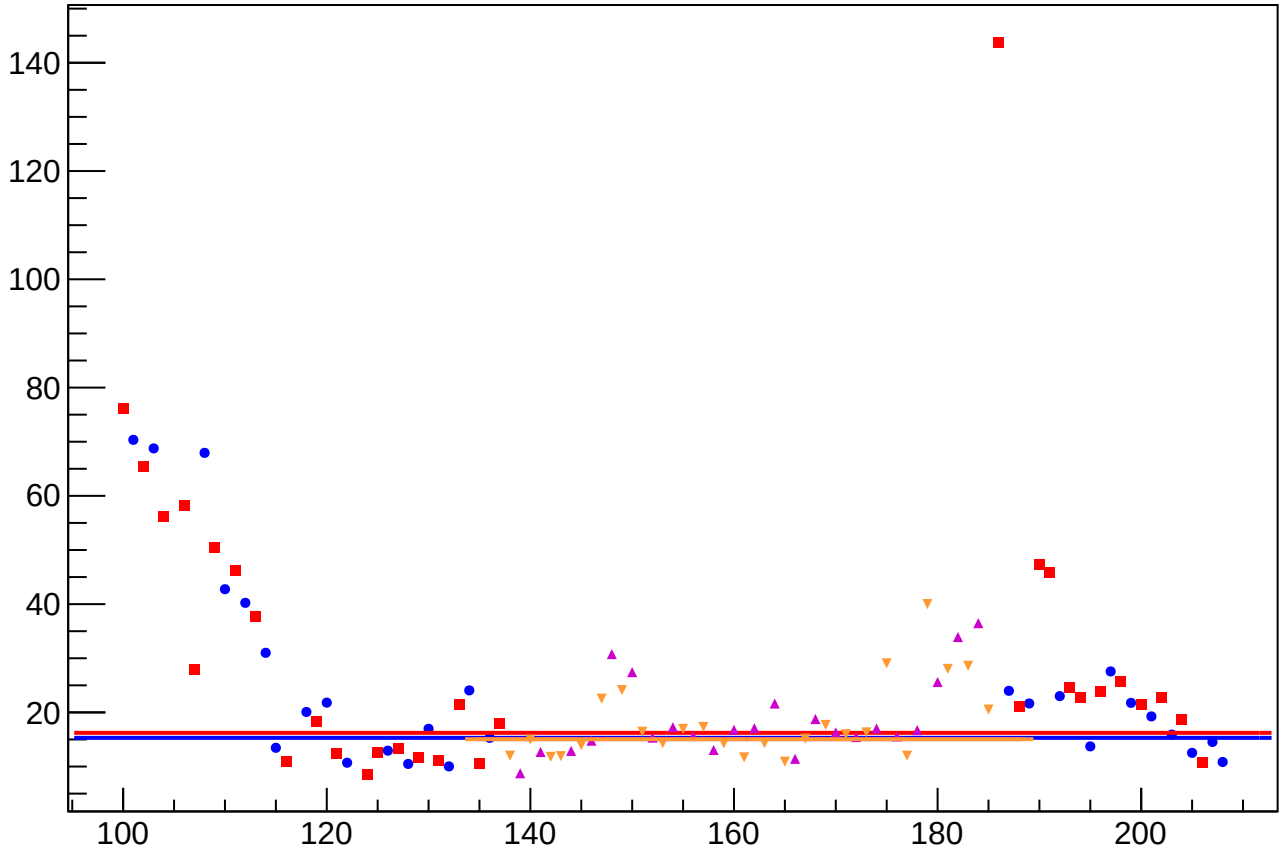
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 59.9/51

All: 0.001+/-0.002 χ^2/NDF: 119.6/105

- sign -0.001+/-0.003 χ^2/NDF: 59.0/53

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.302+/-0.003 χ^2/NDF: 4664535.8/26

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

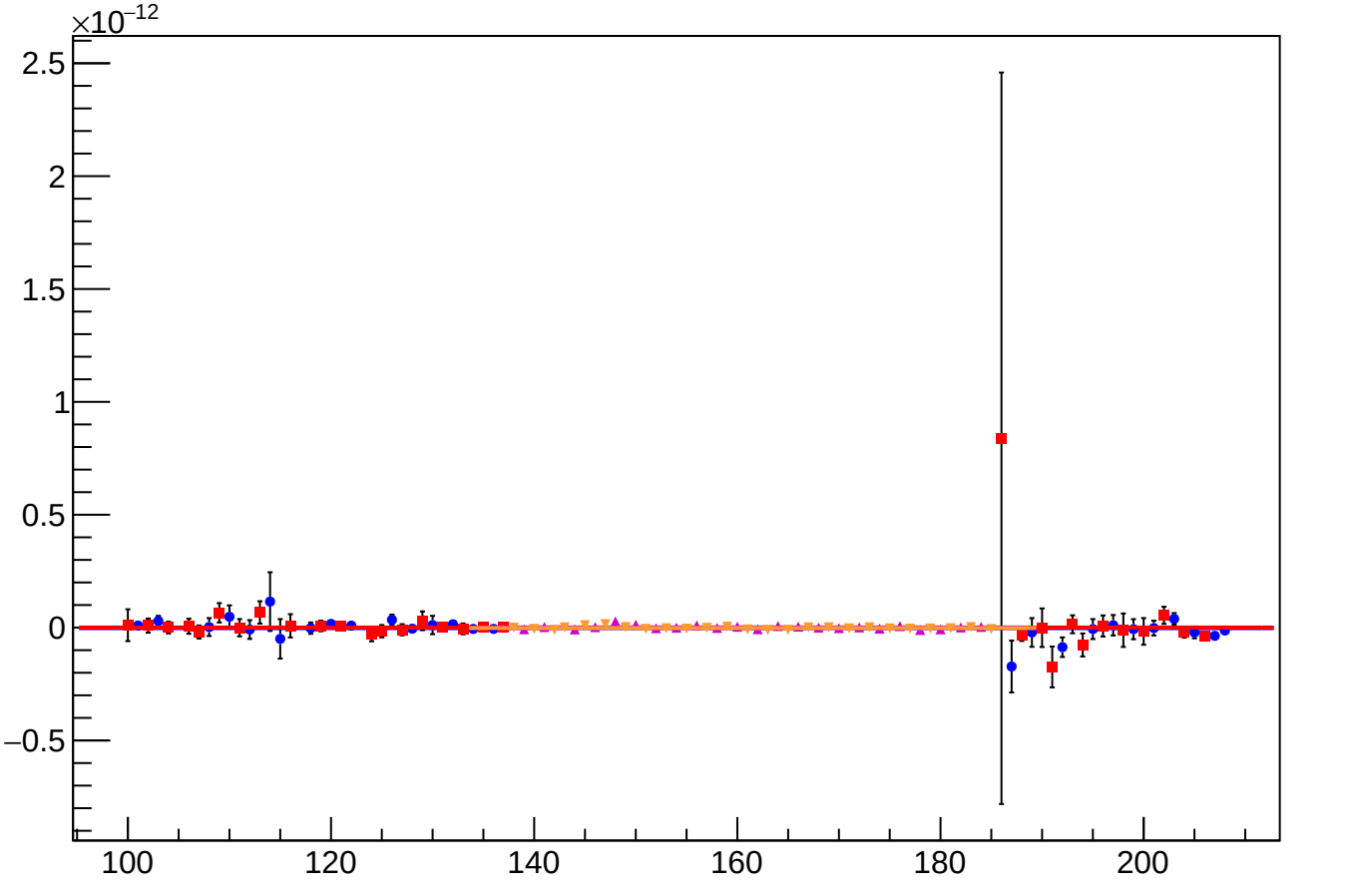
Right Out: 16.227+/-0.003 χ^2/NDF: 6416277.2/30

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.151+/-0.002 χ^2/NDF: 7426789.4/51

All: 15.332+/-0.001 χ^2/NDF: 17000081.0/105

- sign 15.531+/-0.002 χ^2/NDF: 9556092.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

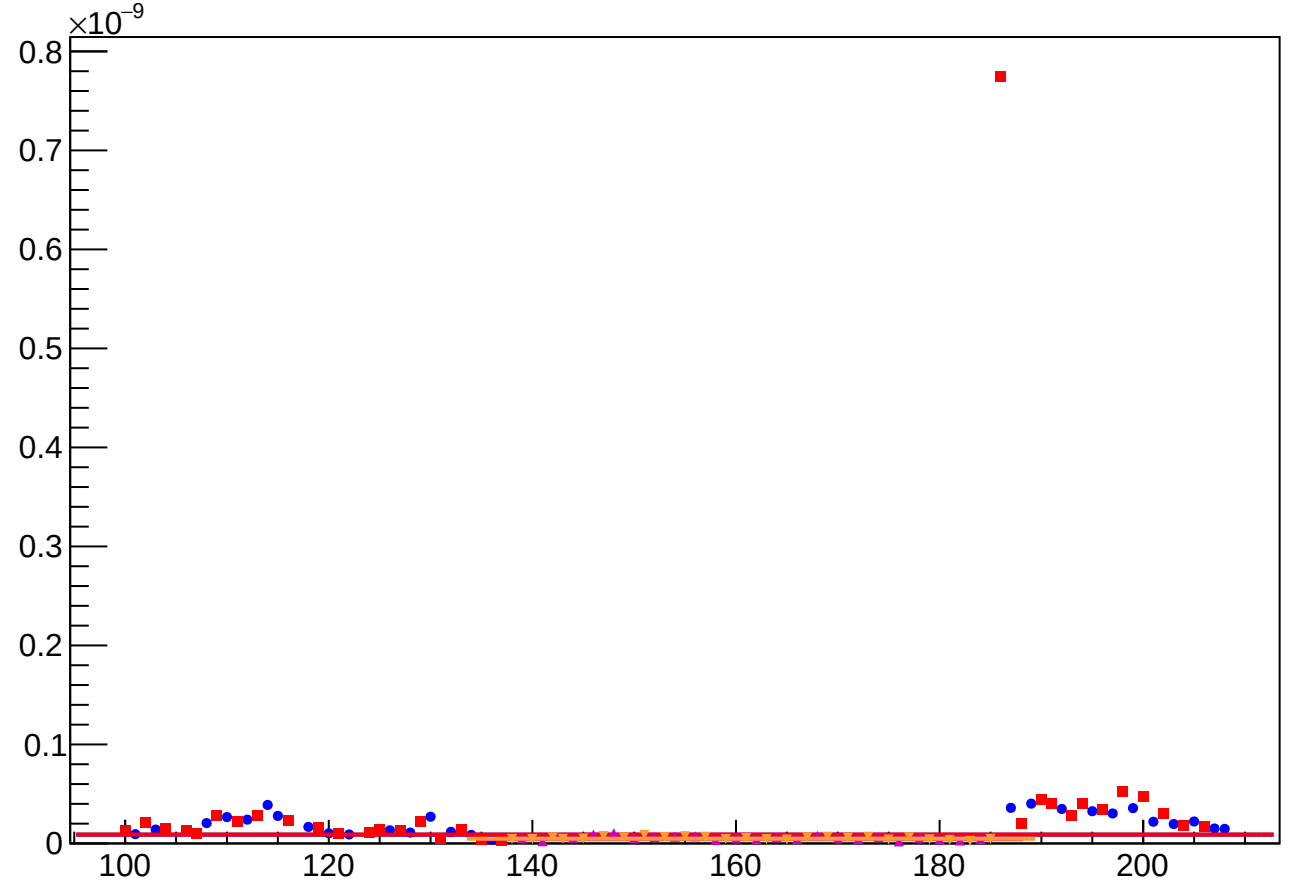
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/30

Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.1/51

All: -0.000+/-0.000 χ^2/NDF: 83.7/105

- sign 0.000+/-0.000 χ^2/NDF: 43.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 8794780.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10898086.7/30

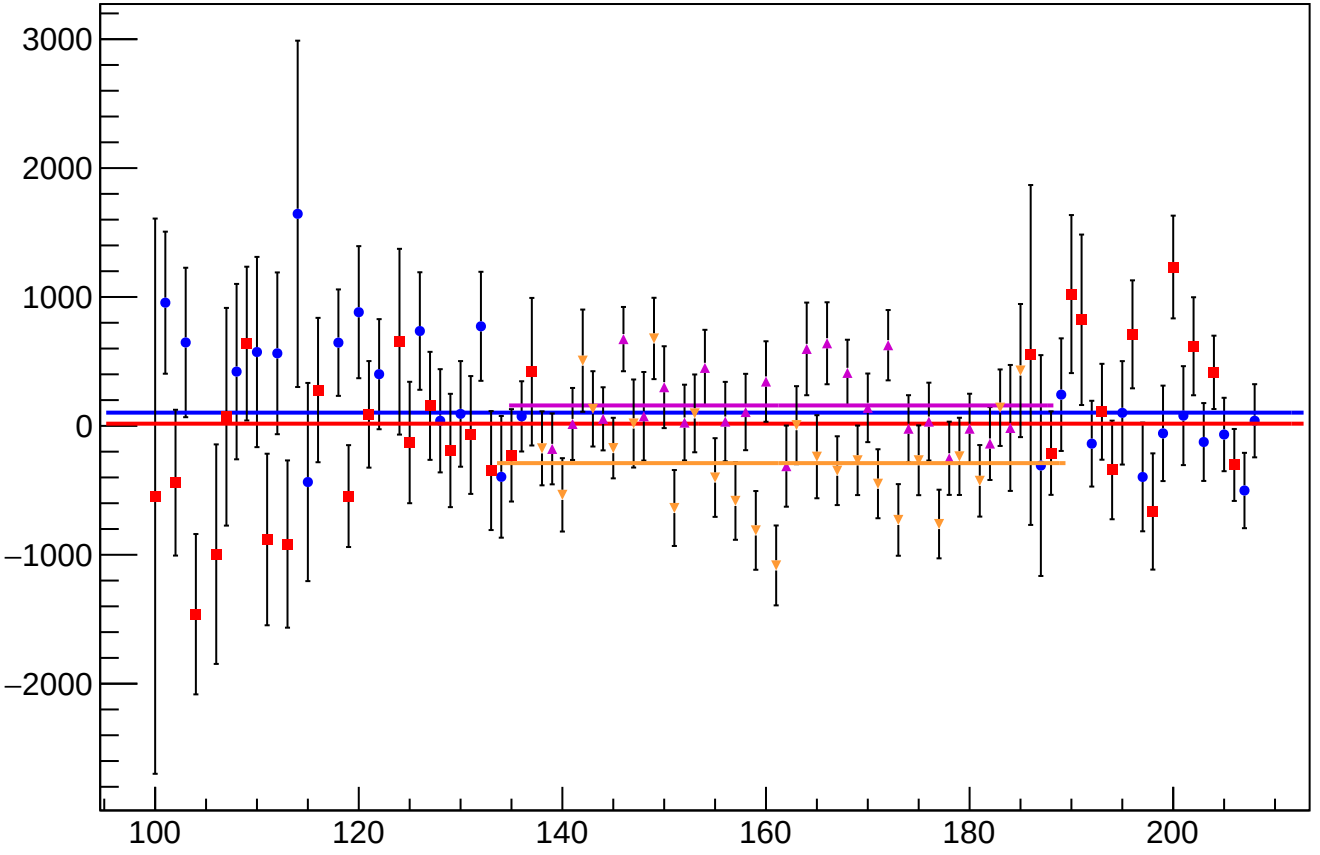
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13309269.8/51

All: 0.000+/-0.000 χ^2/NDF: 30748095.8/105

- sign 0.000+/-0.000 χ^2/NDF: 17280069.2/53

reg_asym_sam2_mean vs Slug



Right In: 102.759+/-79.120 χ^2/NDF: 24.1/26

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 17.168+/-82.376 χ^2/NDF: 43.7/30

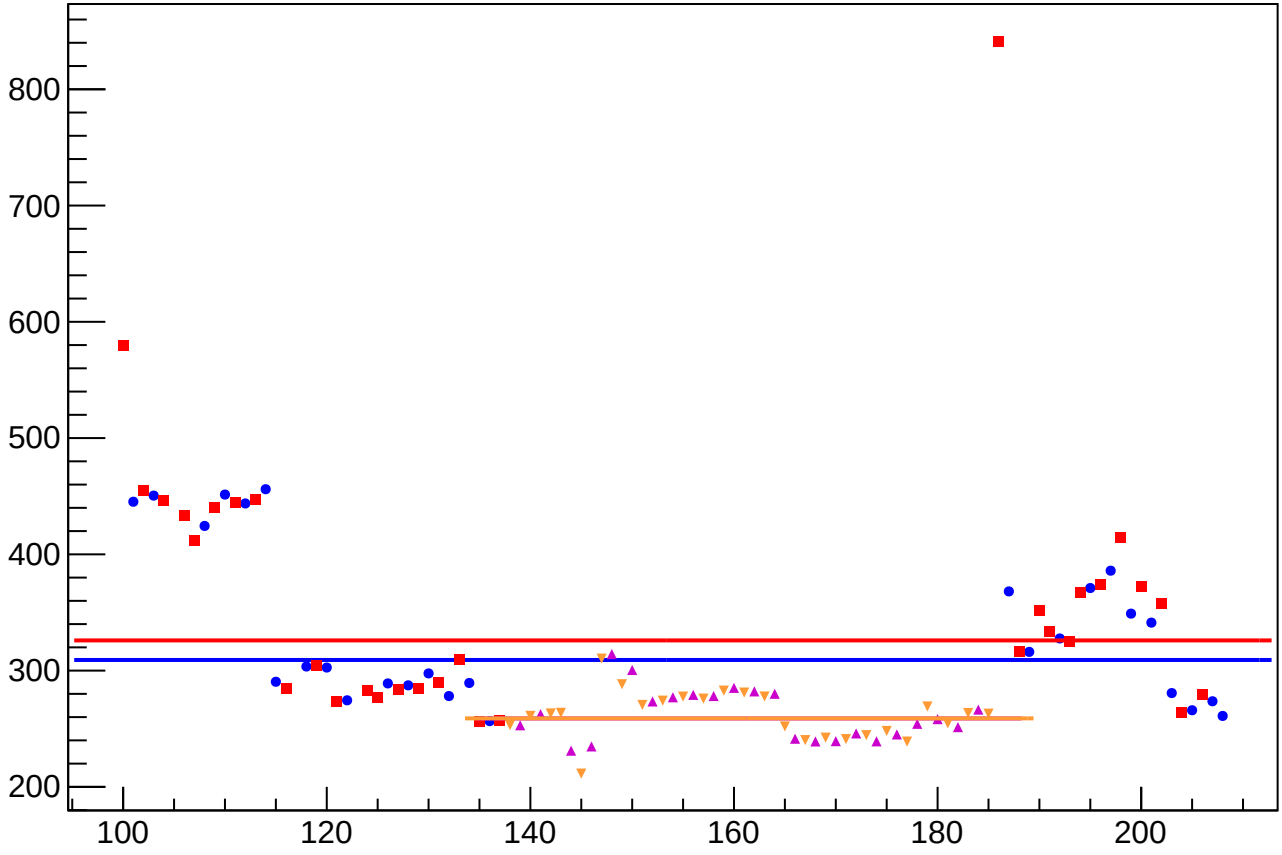
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -148.846+/-47.315 χ^2/NDF: 82.2/51

All: -24.176+/-33.993 χ^2/NDF: 164.7/105

- sign 108.822+/-48.870 χ^2/NDF: 68.2/53

reg_asym_sam2_rms vs Slug



Right In: 309.152+/-0.056 χ^2/NDF: 922232.0/26

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 325.970+/-0.058 χ^2/NDF: 1331757.1/30

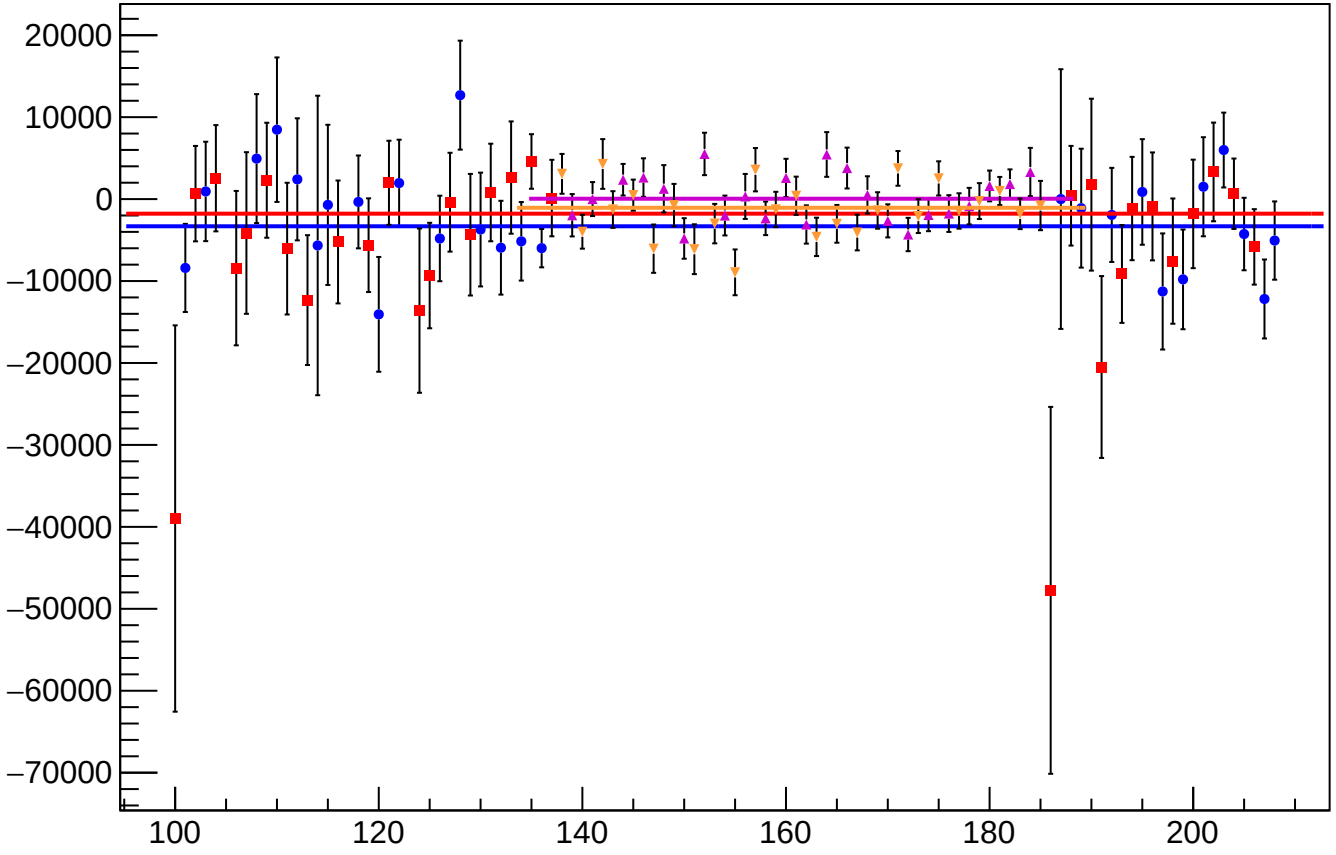
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.879+/-0.033 χ^2/NDF: 1688995.9/51

All: 279.584+/-0.024 χ^2/NDF: 4139866.9/105

- sign 282.469+/-0.035 χ^2/NDF: 2437366.8/53

asym_sam2_reg_correction_mean vs Slug



Right In: -3316.922+/-1064.025 χ^2/NDF: 27.5/26

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -1778.165+/-1138.625 χ^2/NDF: 25.9/30

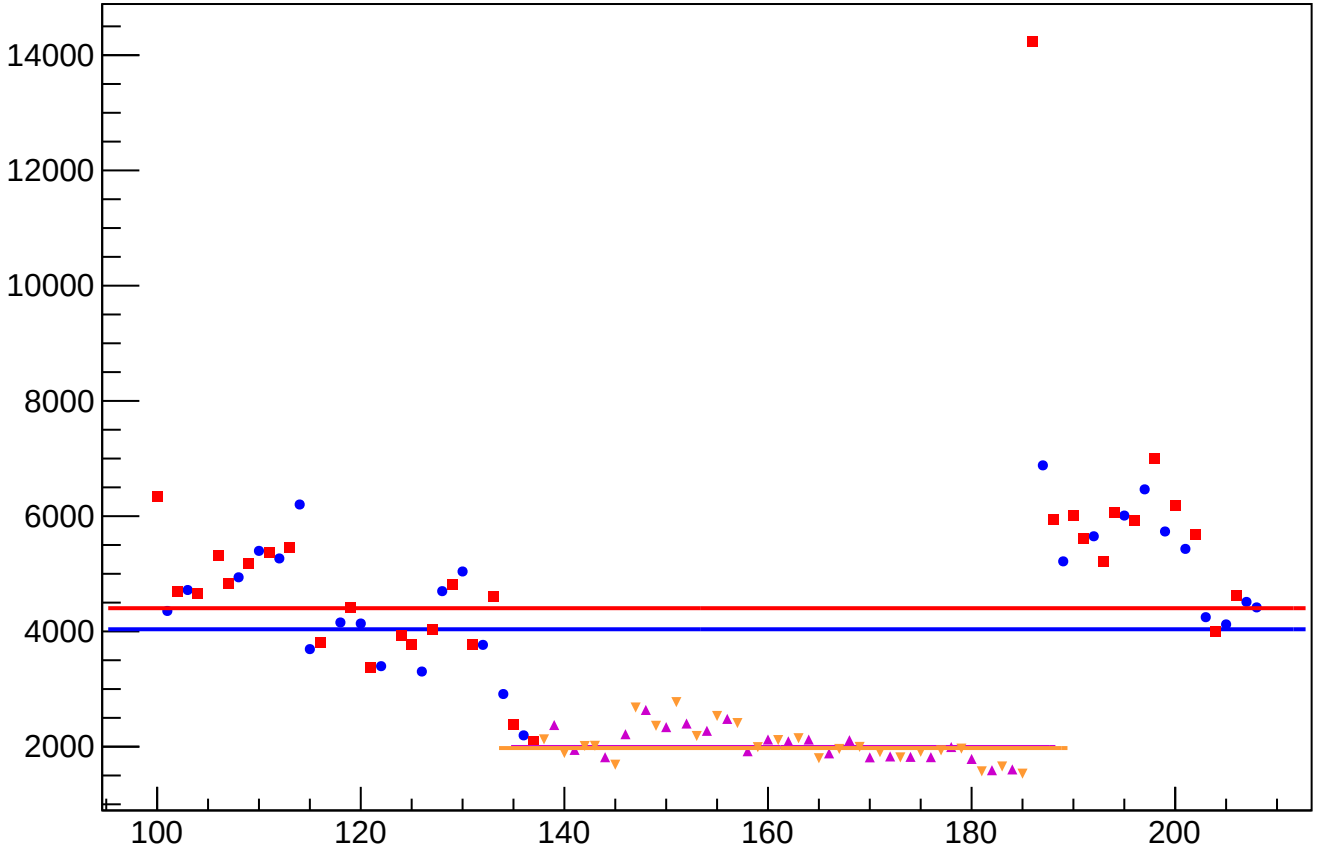
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1407.798+/-418.085 χ^2/NDF: 72.8/51

All: -838.229+/-301.432 χ^2/NDF: 138.9/105

- sign -221.648+/-434.996 χ^2/NDF: 62.2/53

asym_sam2_reg_correction_rms vs Slug



Right In: 4037.462+/-0.752 χ^2/NDF: 2667644.4/26

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4403.154+/-0.805 χ^2/NDF: 2871642.6/30

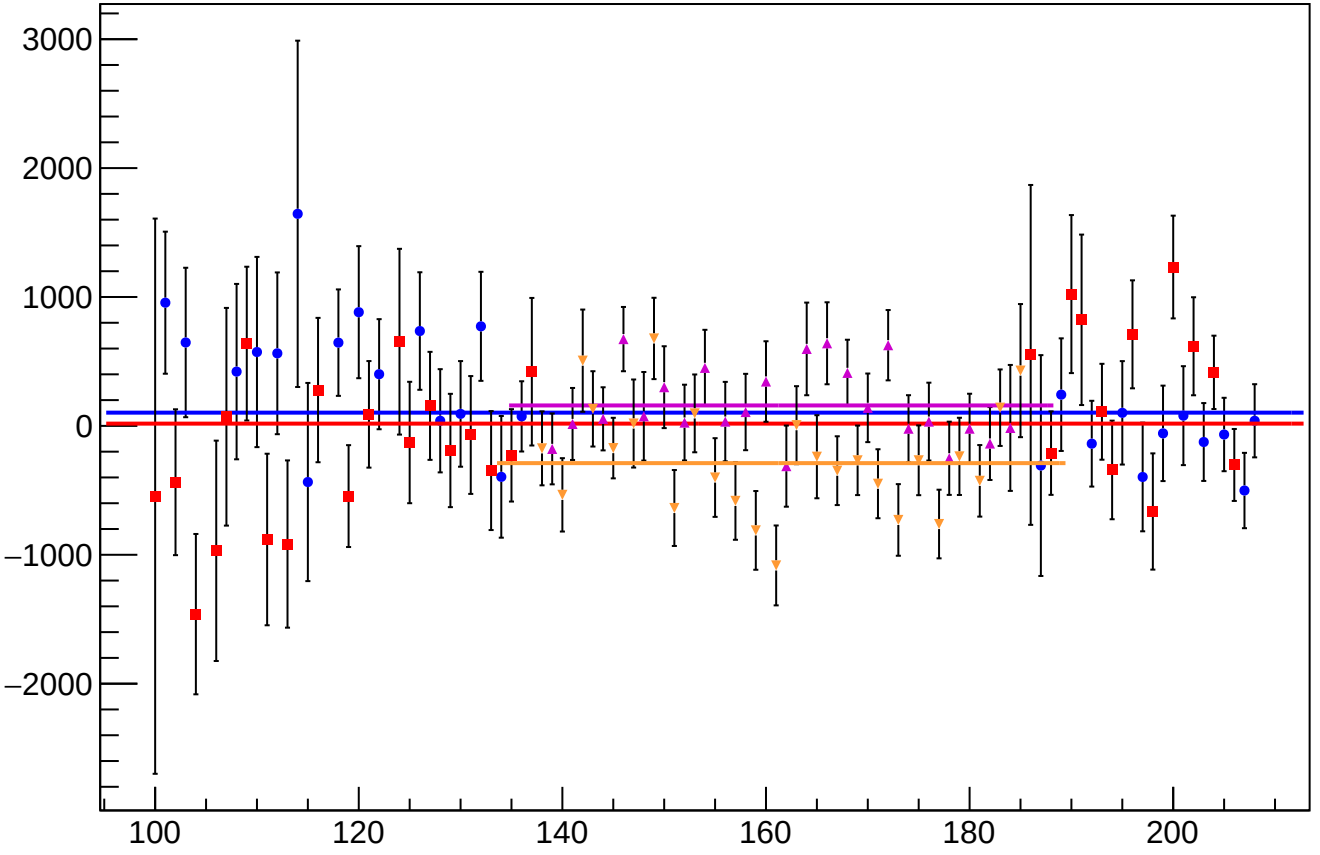
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2294.245+/-0.296 χ^2/NDF: 9779304.6/51

All: 2319.227+/-0.213 χ^2/NDF: 20907796.3/1

- sign 2346.270+/-0.308 χ^2/NDF: 11113621.4/53

cor_asym_sam2_mean vs Slug



Right In: 102.729+/-79.120 χ^2/NDF: 24.1/26

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 17.566+/-82.379 χ^2/NDF: 43.6/30

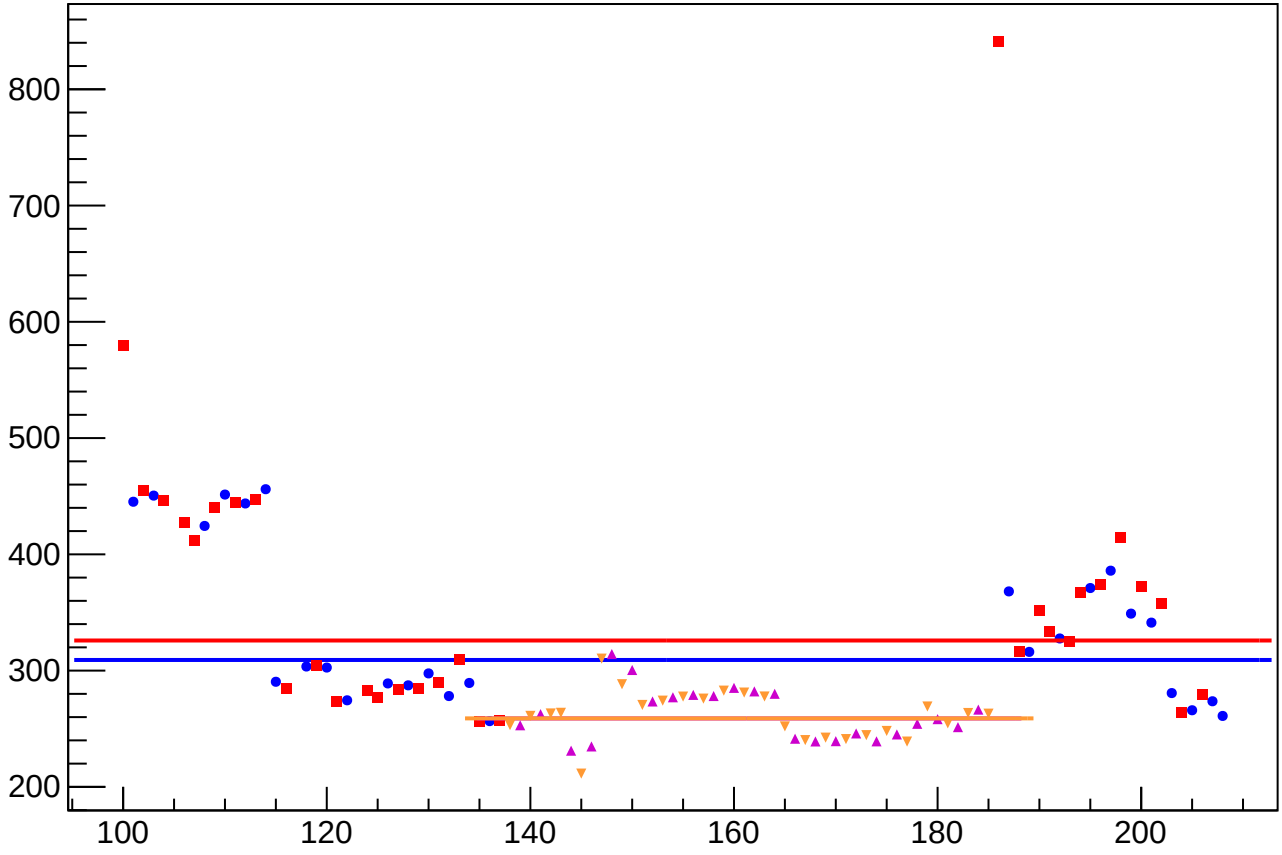
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -148.860+/-47.315 χ^2/NDF: 82.2/51

All: -24.112+/-33.994 χ^2/NDF: 164.6/105

- sign 108.973+/-48.871 χ^2/NDF: 68.1/53

cor_asym_sam2_rms vs Slug



Right In: 309.152+/-0.056 χ^2/NDF: 922233.5/26

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 325.901+/-0.058 χ^2/NDF: 1327845.1/30

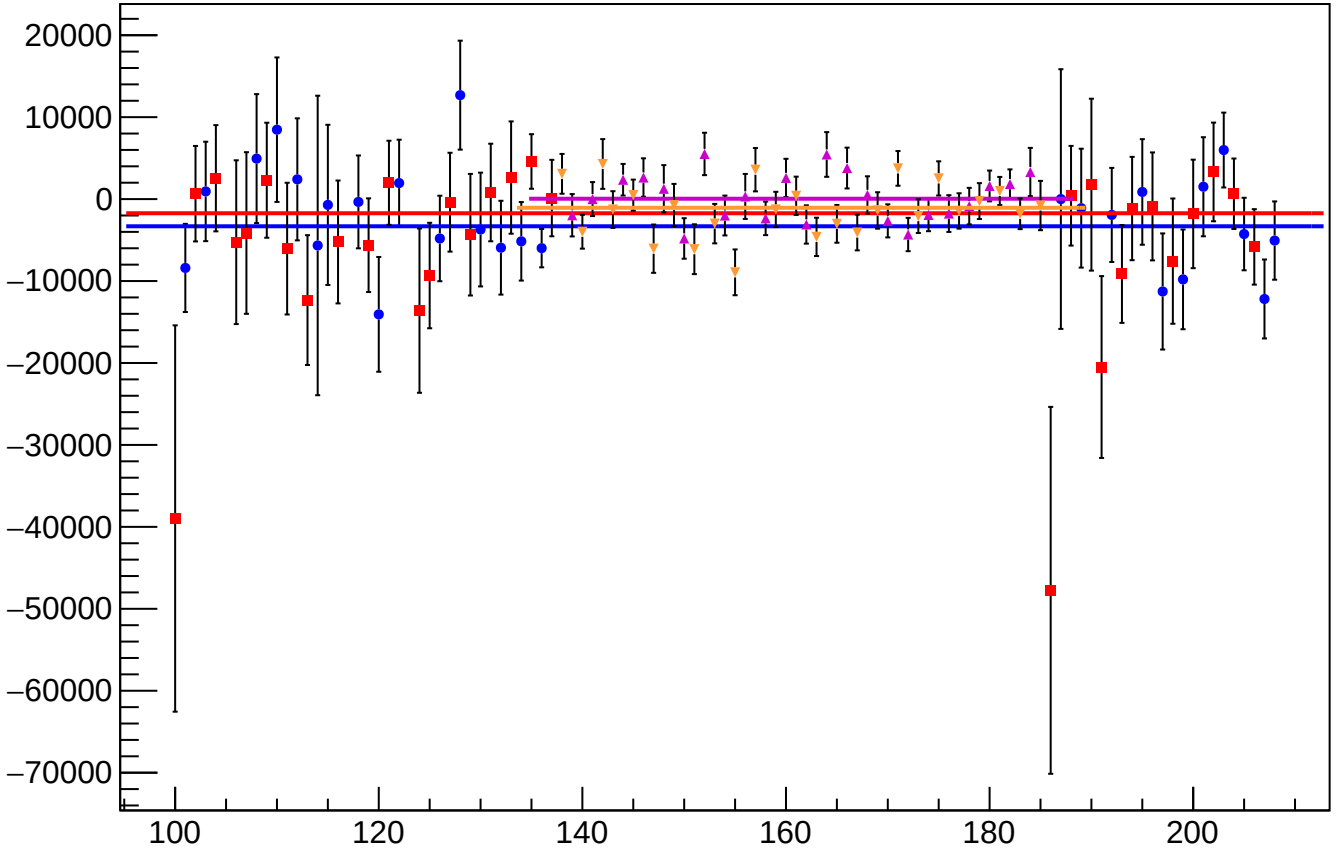
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.879+/-0.033 χ^2/NDF: 1688997.5/51

All: 279.571+/-0.024 χ^2/NDF: 4134014.6/105

- sign 282.443+/-0.035 χ^2/NDF: 2431636.8/53

asym_sam2_cor_correction_mean vs Slug



Right In: -3316.895+/-1064.027 χ^2/NDF: 27.5/26

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1726.522+/-1139.576 χ^2/NDF: 25.5/30

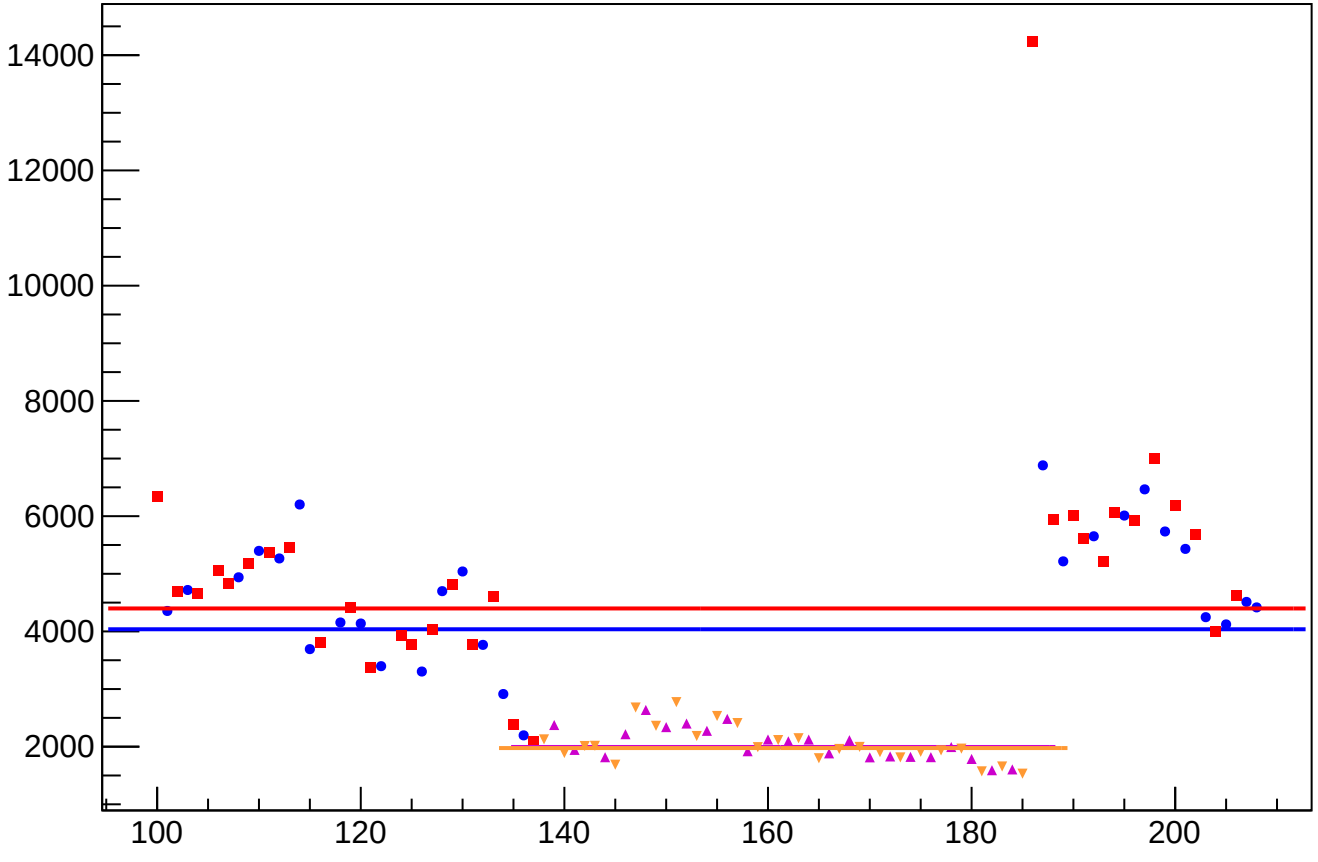
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1407.797+/-418.085 χ^2/NDF: 72.8/51

All: -834.505+/-301.450 χ^2/NDF: 138.4/105

- sign -213.746+/-435.049 χ^2/NDF: 61.7/53

asym_sam2_cor_correction_rms vs Slug



Right In: 4037.466+/-0.752 χ^2/NDF: 2667653.7/26

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4398.563+/-0.806 χ^2/NDF: 2861894.6/30

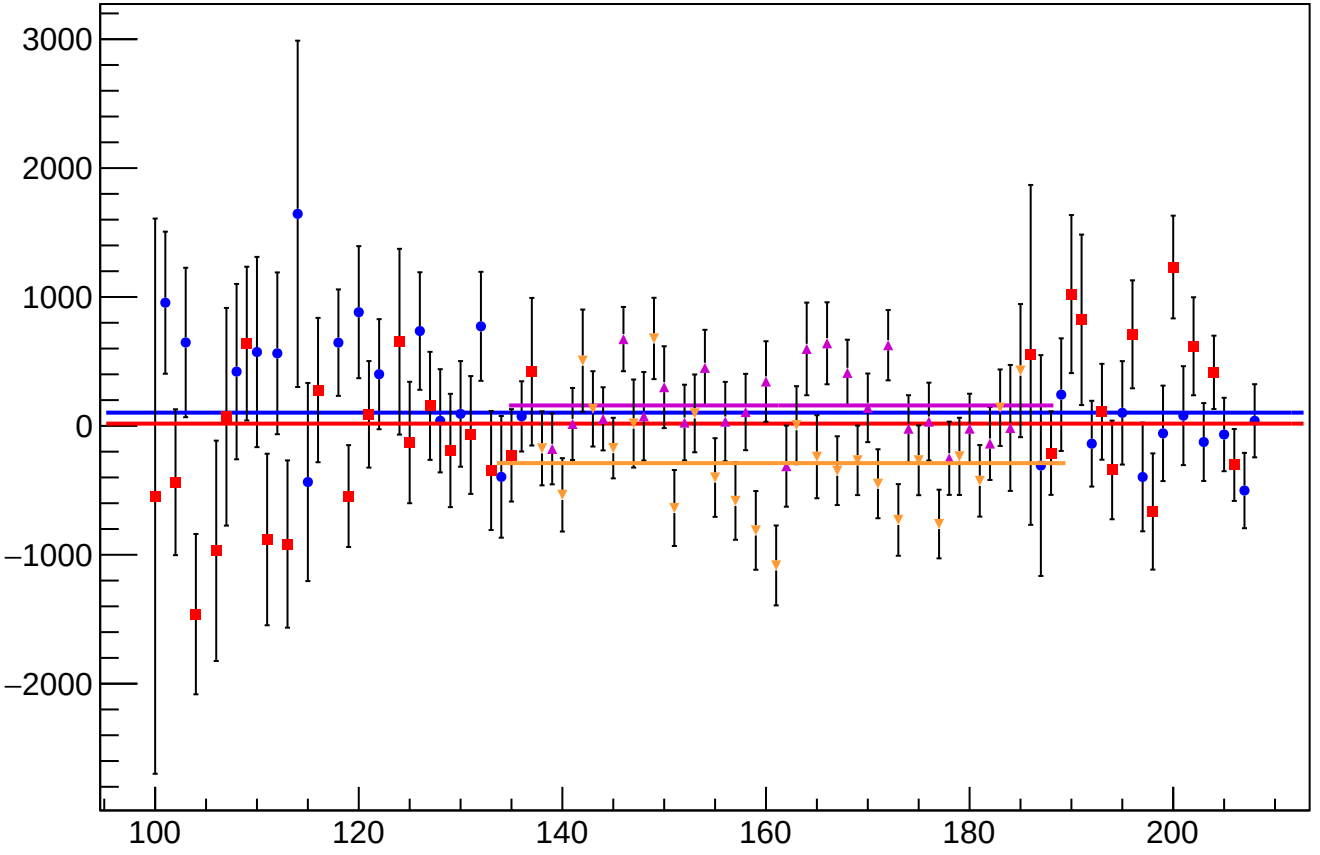
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2294.246+/-0.296 χ^2/NDF: 9779325.3/51

All: 2318.662+/-0.213 χ^2/NDF: 20857441.6/1

- sign 2345.100+/-0.308 χ^2/NDF: 11063909.1/53

eigen_cor_asym_sam2_mean vs Slug



Right In: 102.729+/-79.120 χ^2/NDF: 24.1/26

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 17.566+/-82.379 χ^2/NDF: 43.6/30

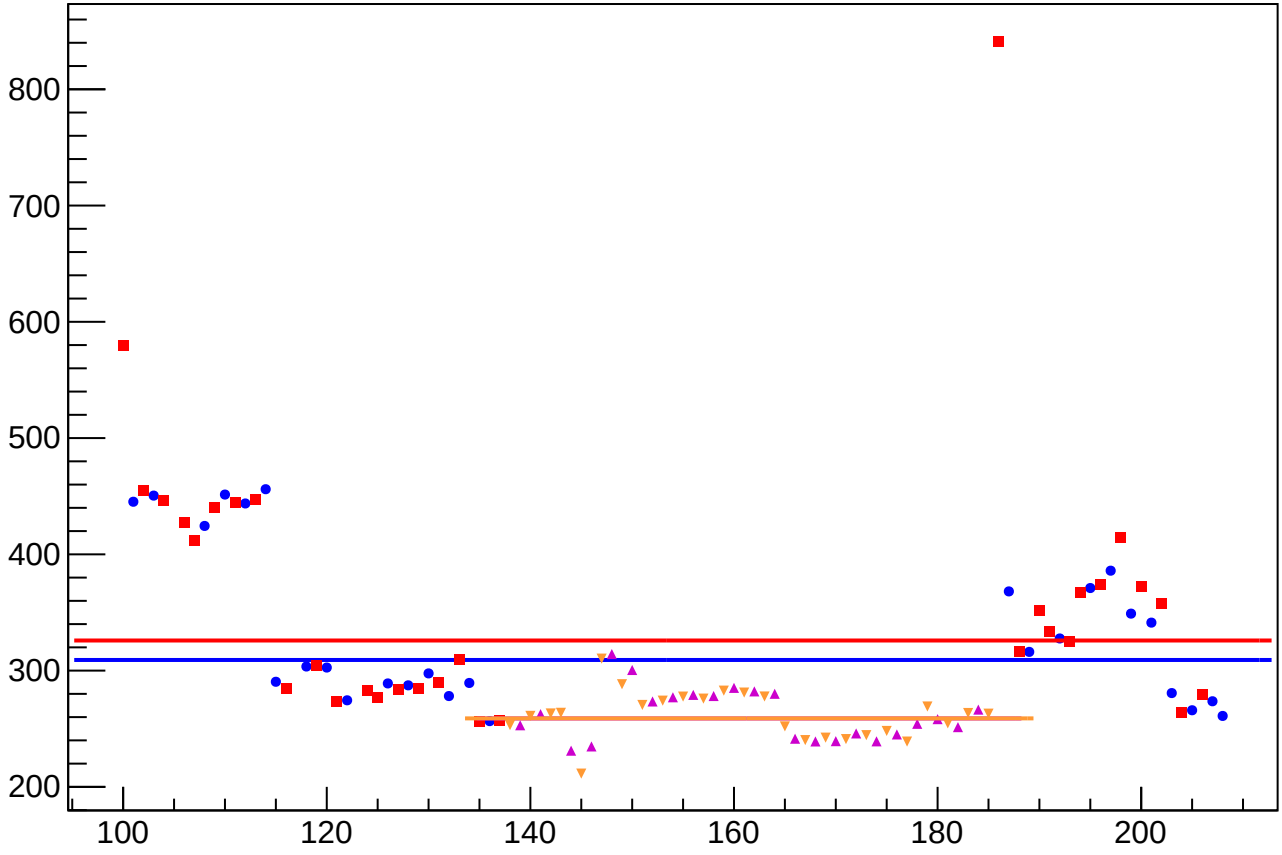
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -148.860+/-47.315 χ^2/NDF: 82.2/51

All: -24.112+/-33.994 χ^2/NDF: 164.6/105

- sign 108.973+/-48.871 χ^2/NDF: 68.1/53

eigen_cor_asym_sam2_rms vs Slug



Right In: 309.152+/-0.056 χ^2/NDF: 922233.5/26

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

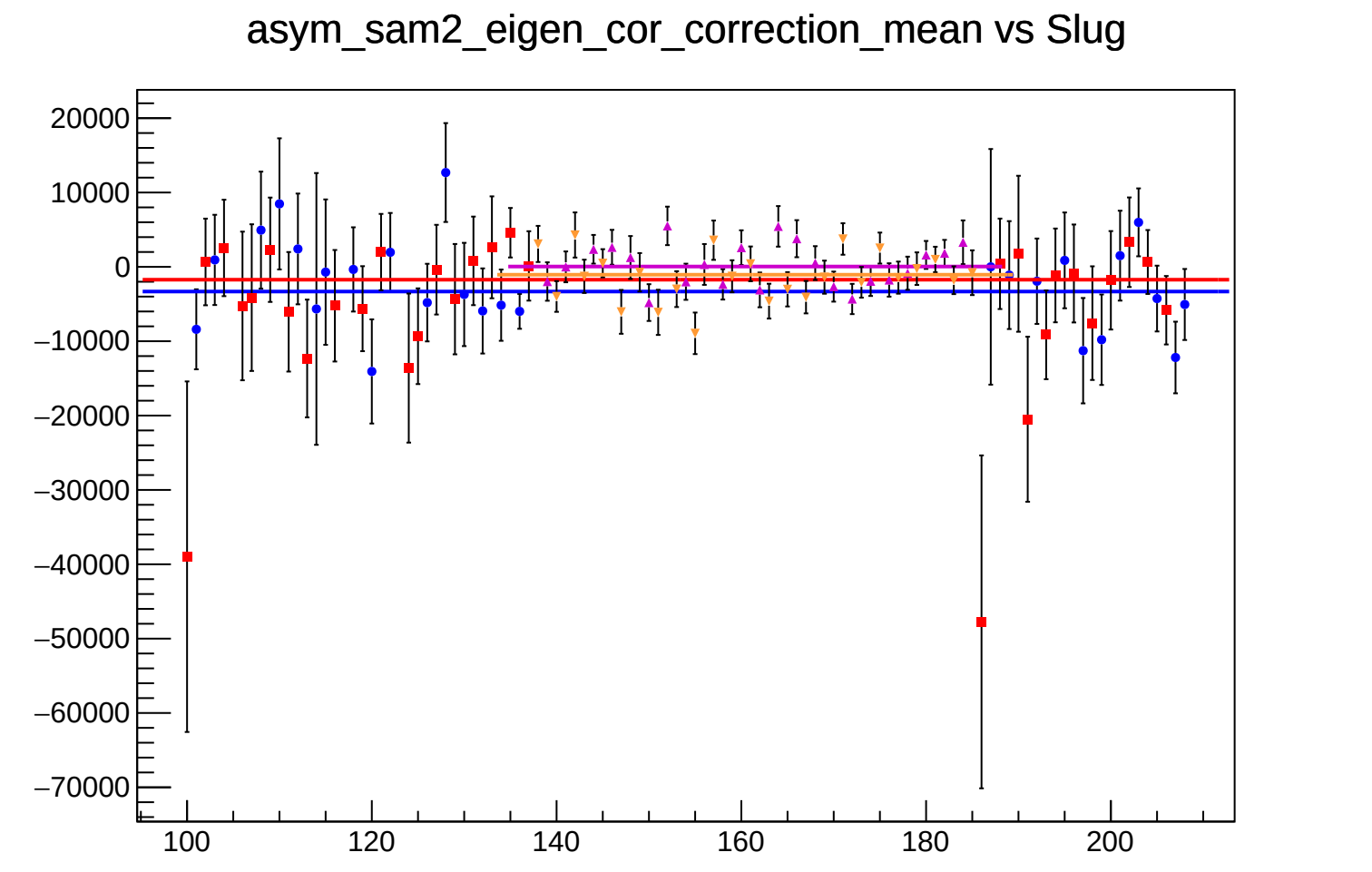
Right Out: 325.901+/-0.058 χ^2/NDF: 1327845.1/30

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.879+/-0.033 χ^2/NDF: 1688997.5/51

All: 279.571+/-0.024 χ^2/NDF: 4134014.6/105

- sign 282.443+/-0.035 χ^2/NDF: 2431636.8/53



Right In: -3316.895+/-1064.027 χ^2/NDF: 27.5/26

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1726.522+/-1139.576 χ^2/NDF: 25.5/30

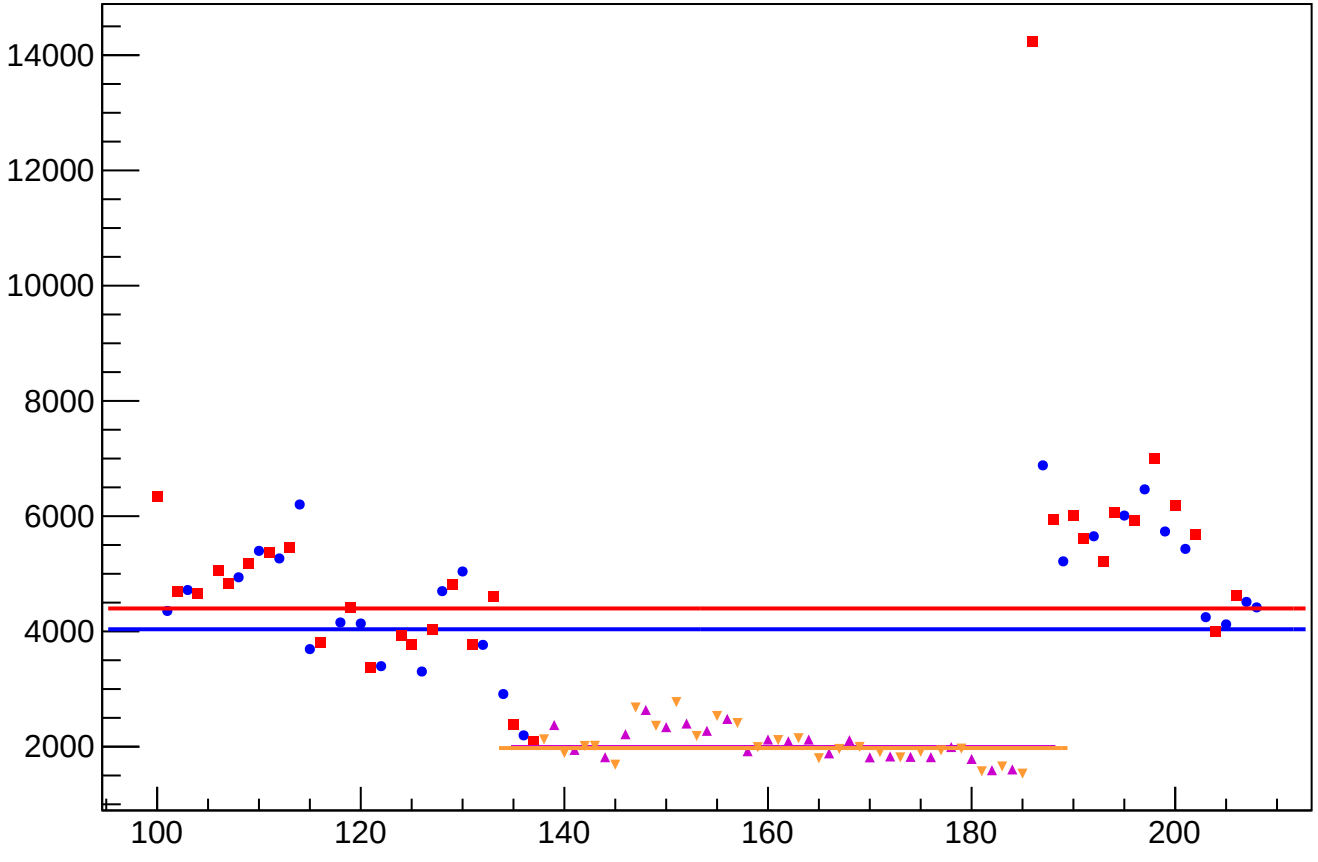
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1407.797+/-418.085 χ^2/NDF: 72.8/51

All: -834.505+/-301.450 χ^2/NDF: 138.4/105

- sign -213.746+/-435.049 χ^2/NDF: 61.7/53

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 4037.466+/-0.752 χ^2/NDF: 2667653.7/26

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4398.563+/-0.806 χ^2/NDF: 2861894.6/30

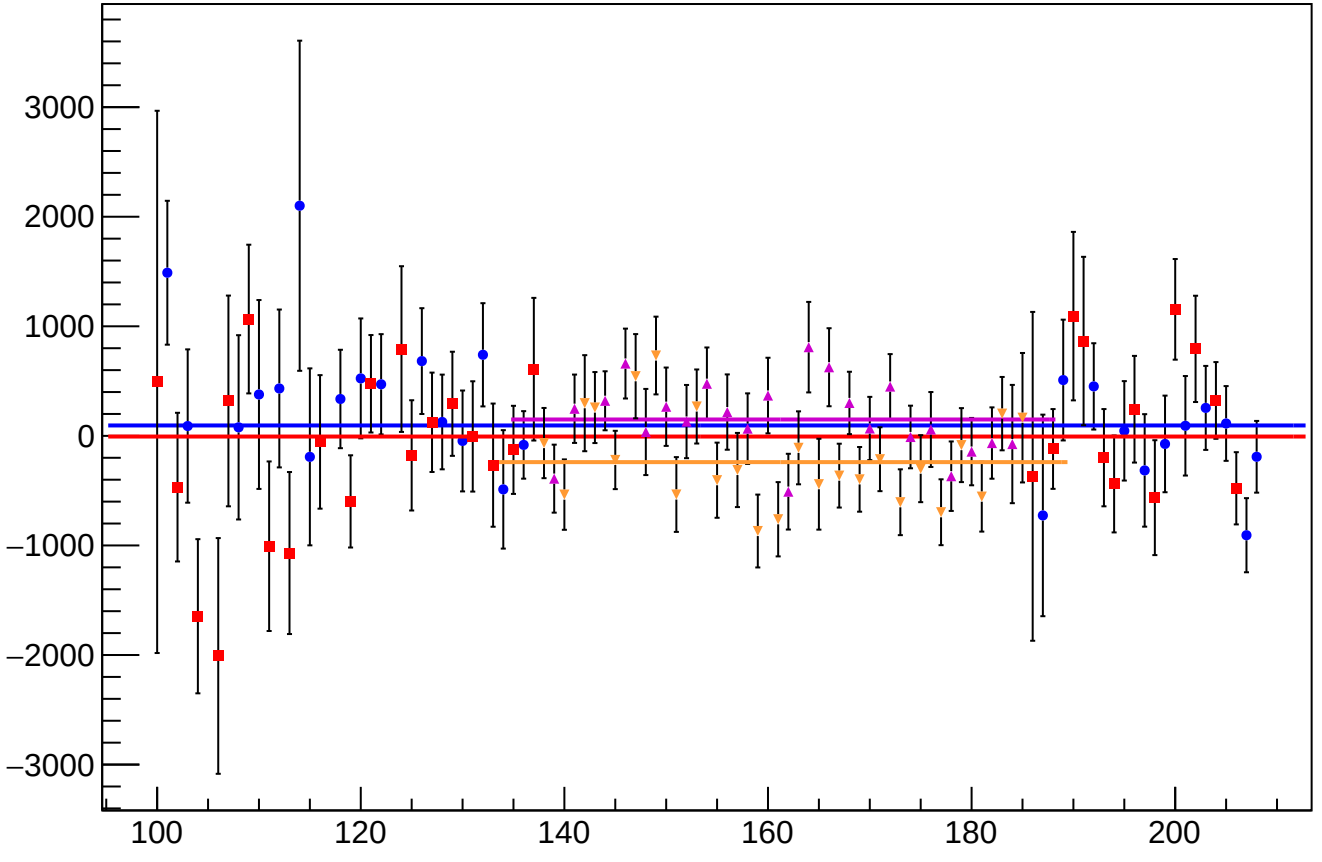
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2294.246+/-0.296 χ^2/NDF: 9779325.3/51

All: 2318.662+/-0.213 χ^2/NDF: 20857441.6/1

- sign 2345.100+/-0.308 χ^2/NDF: 11063909.1/53

dit_asym_sam2_mean vs Slug



Right In: 95.058+/-91.299 χ^2/NDF: 26.0/26

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -6.098+/-94.577 χ^2/NDF: 39.9/30

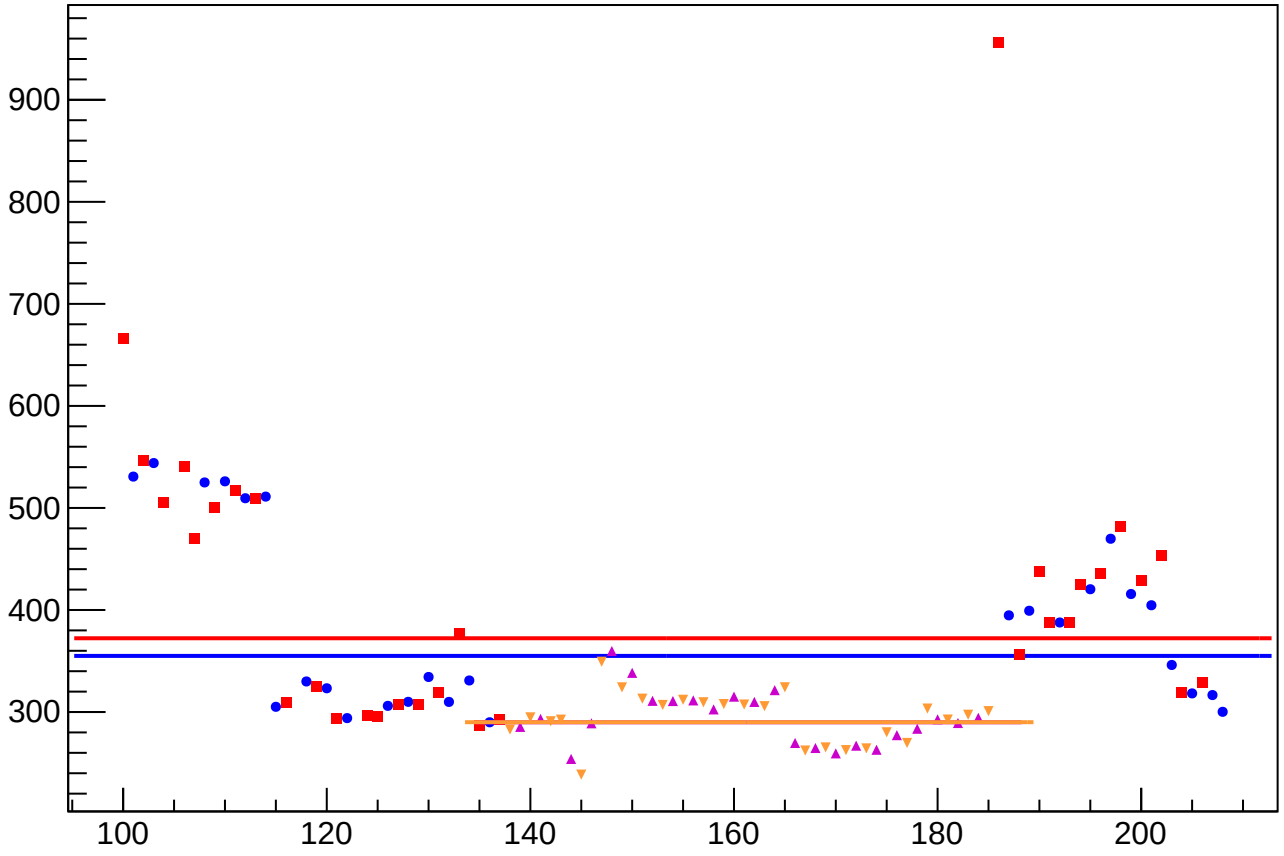
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

\+ sign -124.322+/-53.576 χ^2/NDF: 68.8/51

All: -17.484+/-38.478 χ^2/NDF: 140.4/105

\- sign 96.322+/-55.296 χ^2/NDF: 63.4/53

dit_asym_sam2_rms vs Slug



Right In: 355.000+/-0.065 χ^2/NDF: 1116862.8/26

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 372.283+/-0.067 χ^2/NDF: 1547817.0/30

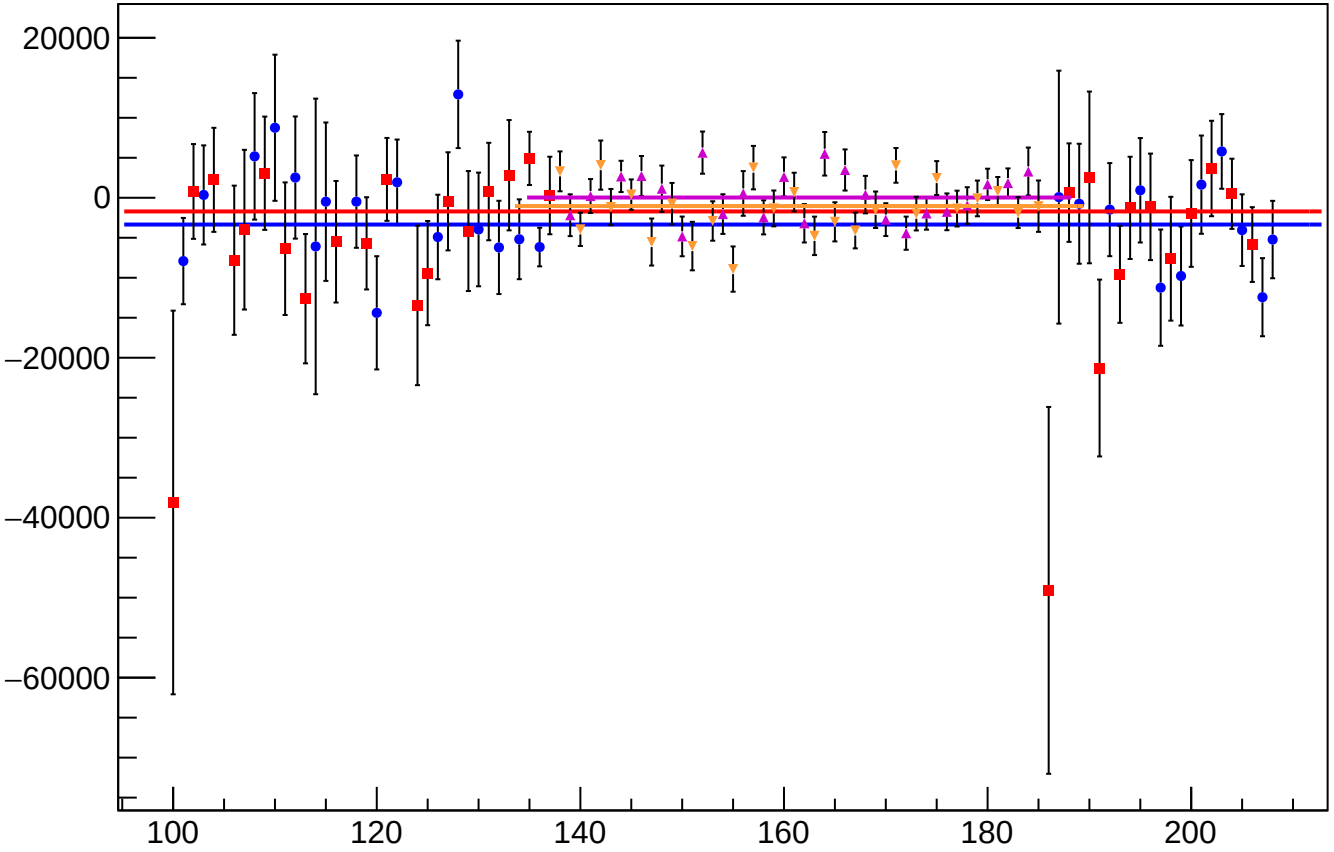
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 312.399+/-0.038 χ^2/NDF: 2061687.2/51

All: 315.154+/-0.027 χ^2/NDF: 4887871.8/105

- sign 318.089+/-0.039 χ^2/NDF: 2815262.0/53

asym_sam2_dit_correction_mean vs Slug



Right In: -3347.337+/-1085.544 χ^2/NDF: 27.1/26

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -1709.764+/-1152.359 χ^2/NDF: 26.8/30

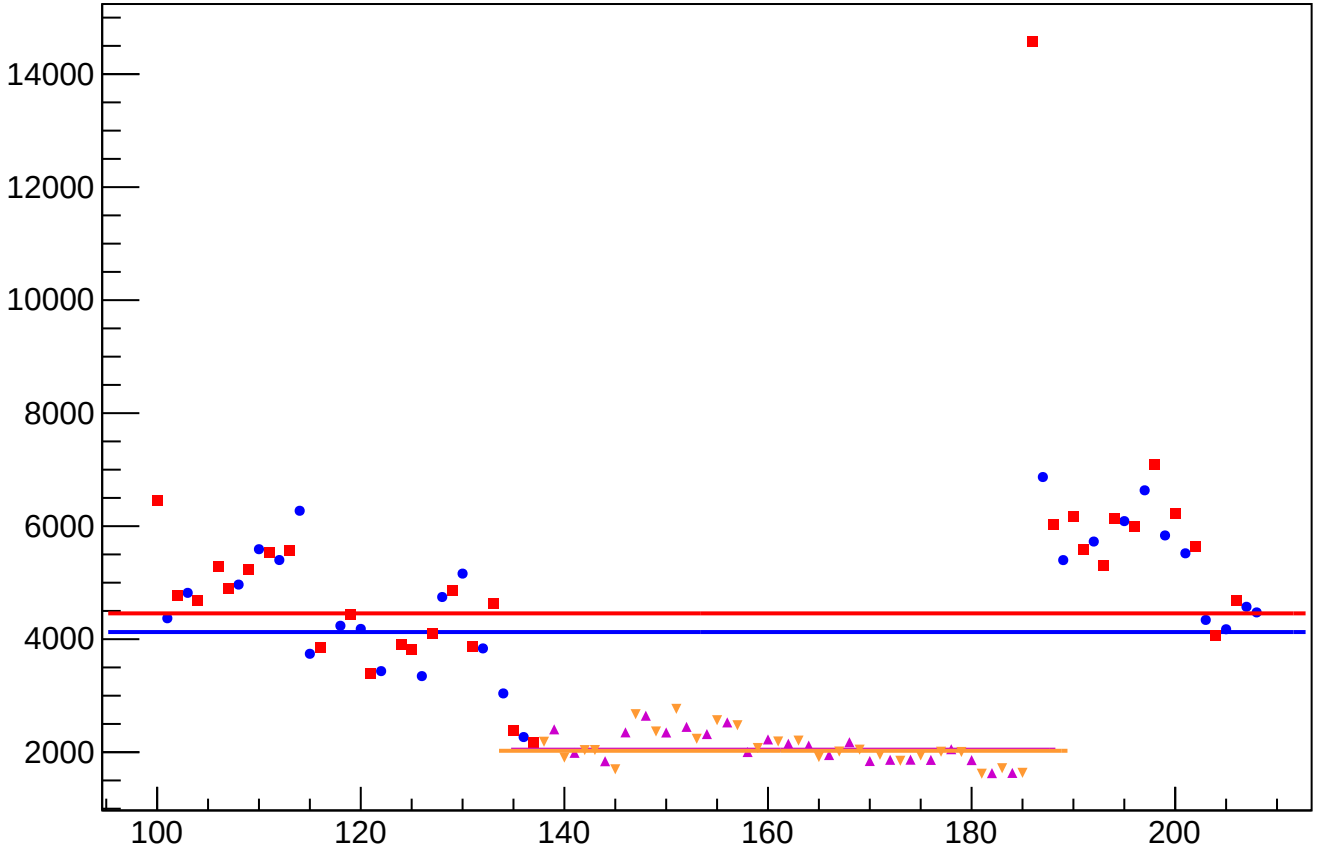
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1395.273+/-427.687 χ^2/NDF: 71.2/51

All: -835.108+/-308.322 χ^2/NDF: 137.6/105

- sign -228.975+/-444.889 χ^2/NDF: 62.8/53

asym_sam2_dit_correction_rms vs Slug



Right In: 4126.267+/-0.768 χ^2/NDF: 2582838.0/26

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4456.729+/-0.815 χ^2/NDF: 2859529.1/30

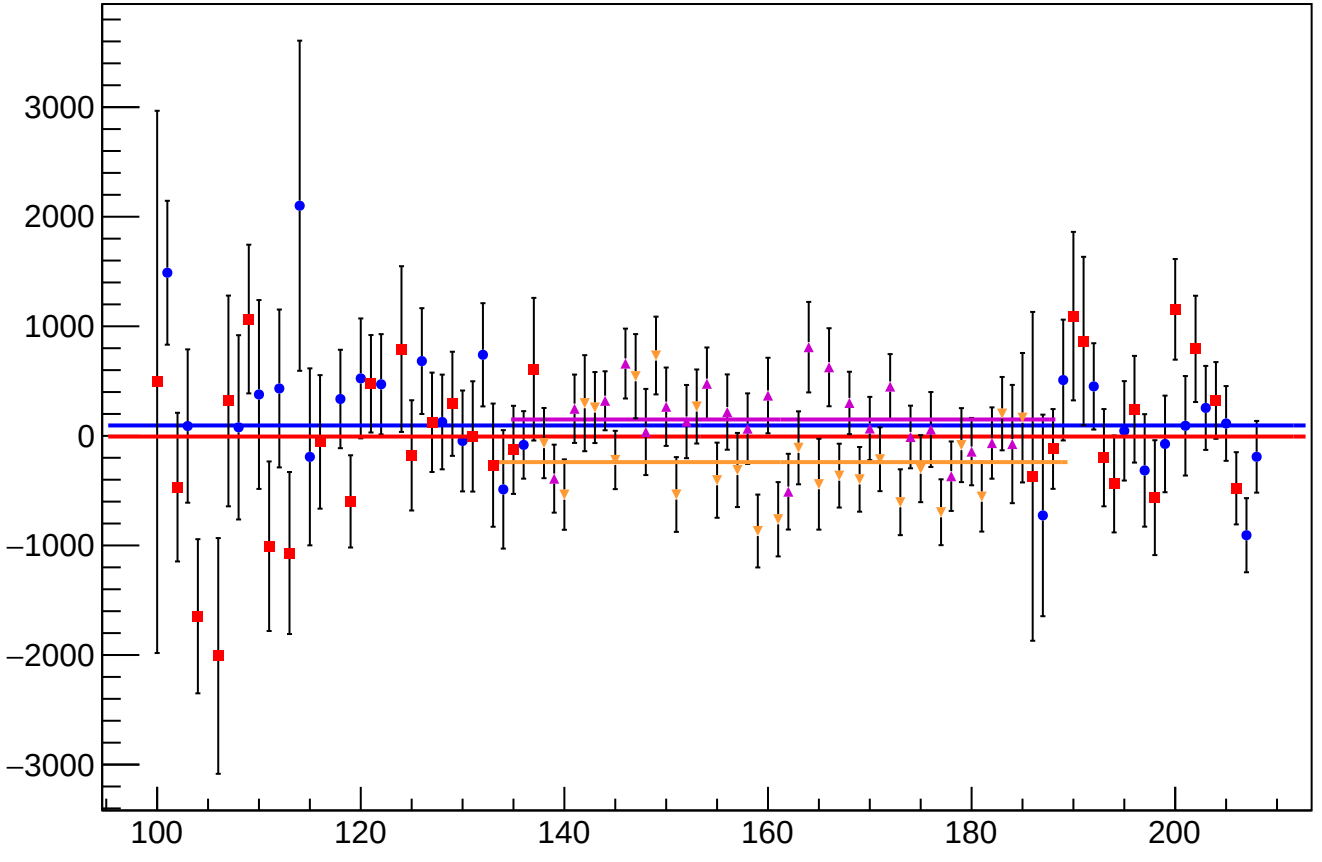
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2351.238+/-0.302 χ^2/NDF: 9613665.4/51

All: 2376.607+/-0.218 χ^2/NDF: 20530181.1/1

- sign 2404.059+/-0.315 χ^2/NDF: 10901863.4/53

eigen_dit_asym_sam2_mean vs Slug



Right In: 95.064+/-91.299 χ^2/NDF: 26.0/26

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -6.099+/-94.577 χ^2/NDF: 39.9/30

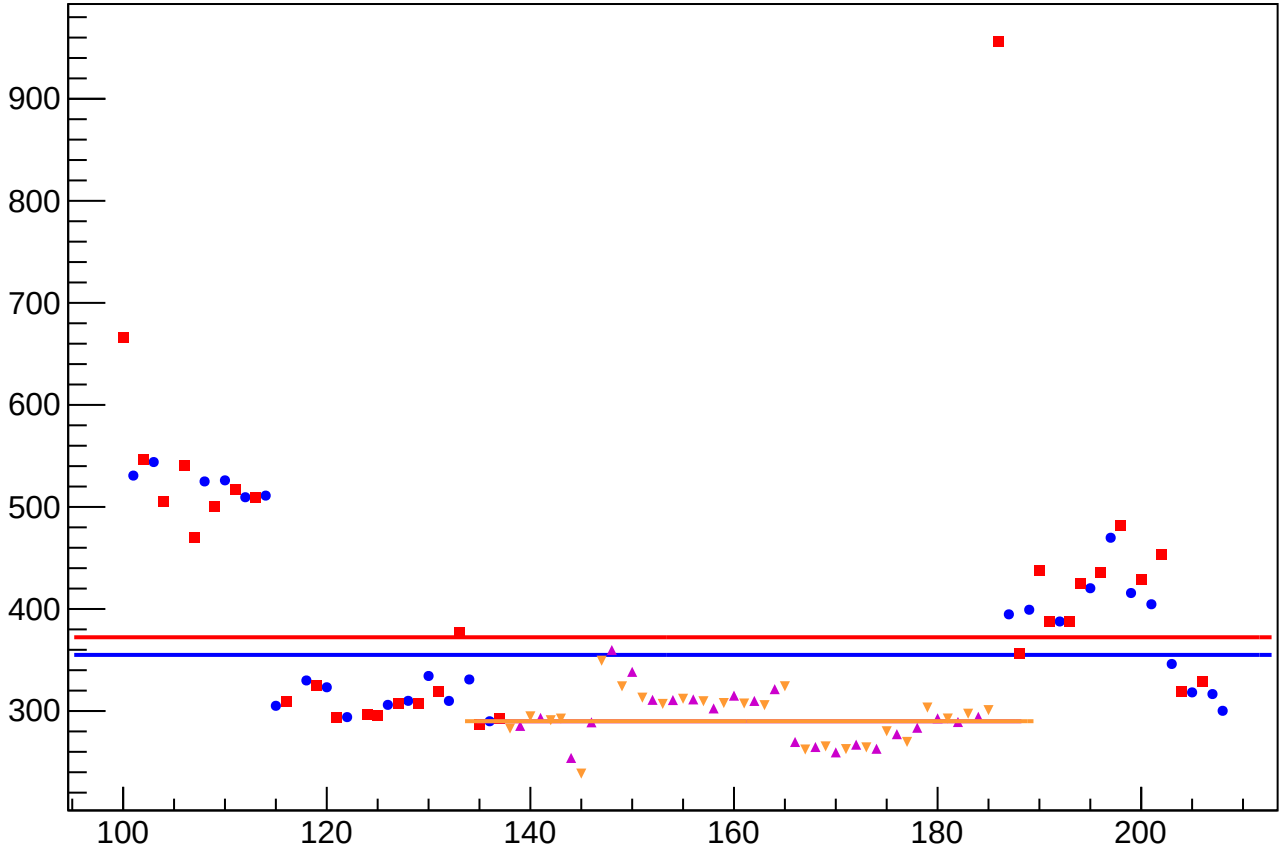
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -124.322+/-53.576 χ^2/NDF: 68.8/51

All: -17.484+/-38.478 χ^2/NDF: 140.4/105

- sign 96.322+/-55.296 χ^2/NDF: 63.4/53

eigen_dit_asym_sam2_rms vs Slug



Right In: 354.999+/-0.065 χ^2/NDF: 1116857.0/26

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 372.282+/-0.067 χ^2/NDF: 1547808.8/30

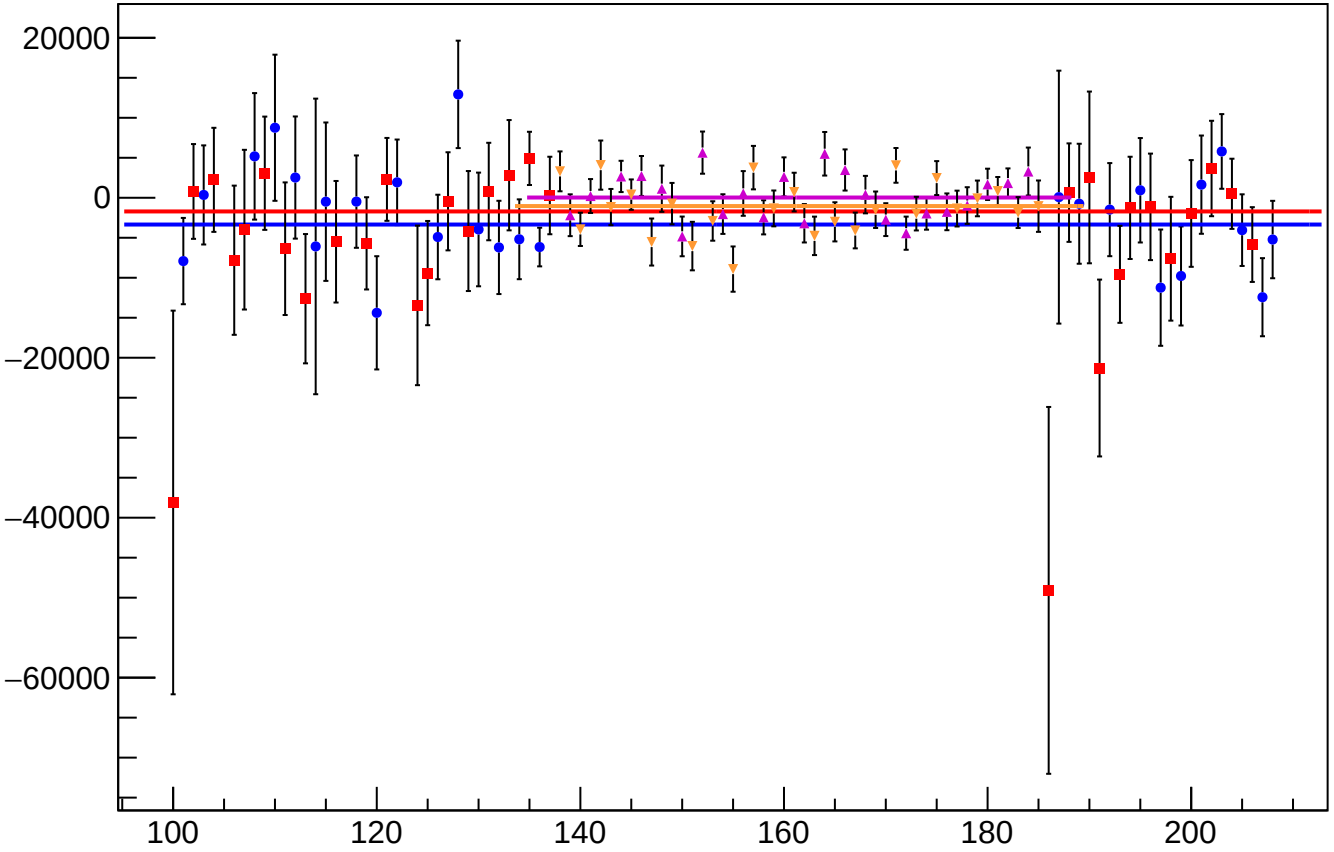
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 312.398+/-0.038 χ^2/NDF: 2061669.4/51

All: 315.154+/-0.027 χ^2/NDF: 4887839.1/105

- sign 318.088+/-0.039 χ^2/NDF: 2815246.9/53

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3347.332+/-1085.544 χ^2/NDF: 27.1/26

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -1709.768+/-1152.358 χ^2/NDF: 26.8/30

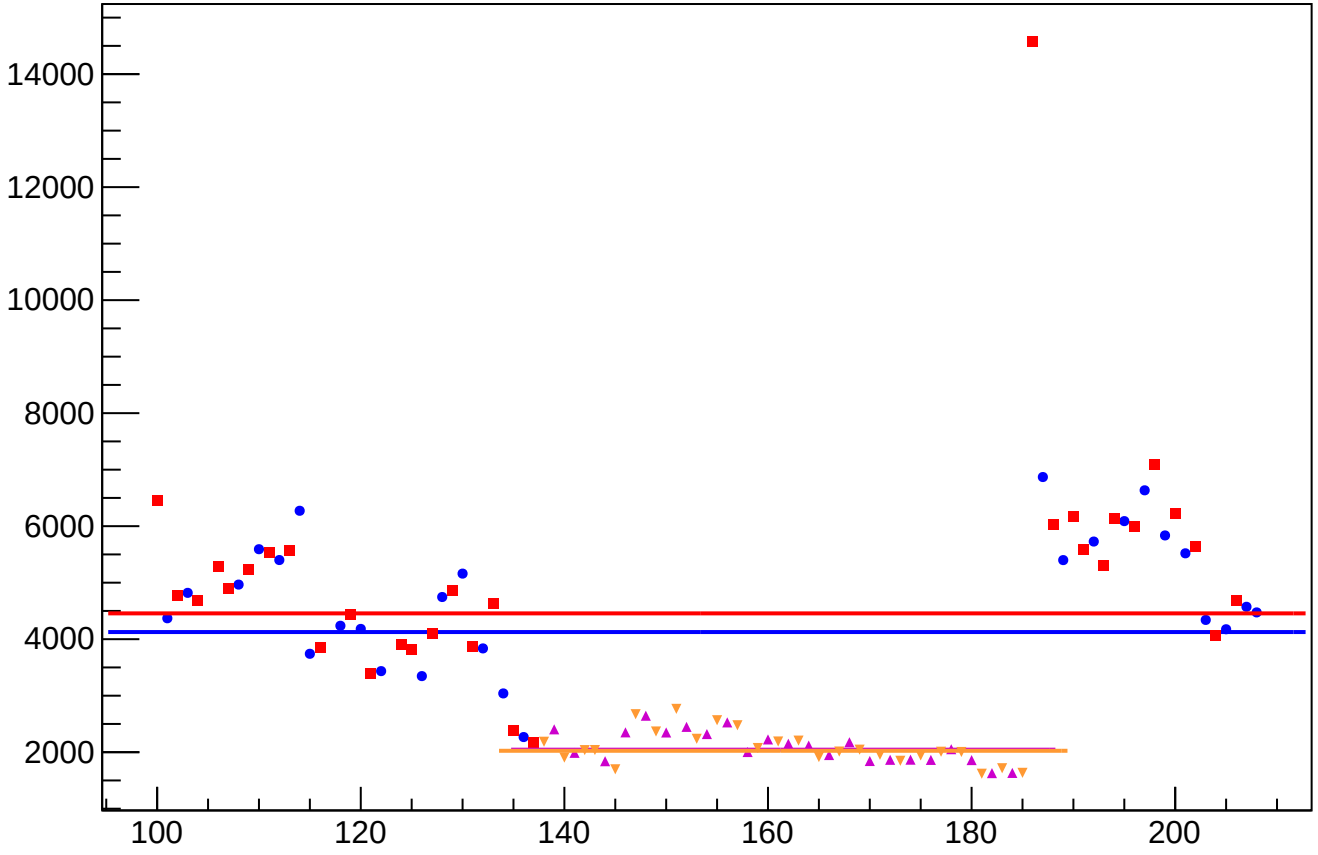
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1395.273+/-427.687 χ^2/NDF: 71.2/51

All: -835.108+/-308.322 χ^2/NDF: 137.6/105

- sign -228.977+/-444.889 χ^2/NDF: 62.8/53

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 4126.265+/-0.768 χ^2/NDF: 2582829.4/26

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4456.726+/-0.815 χ^2/NDF: 2859525.1/30

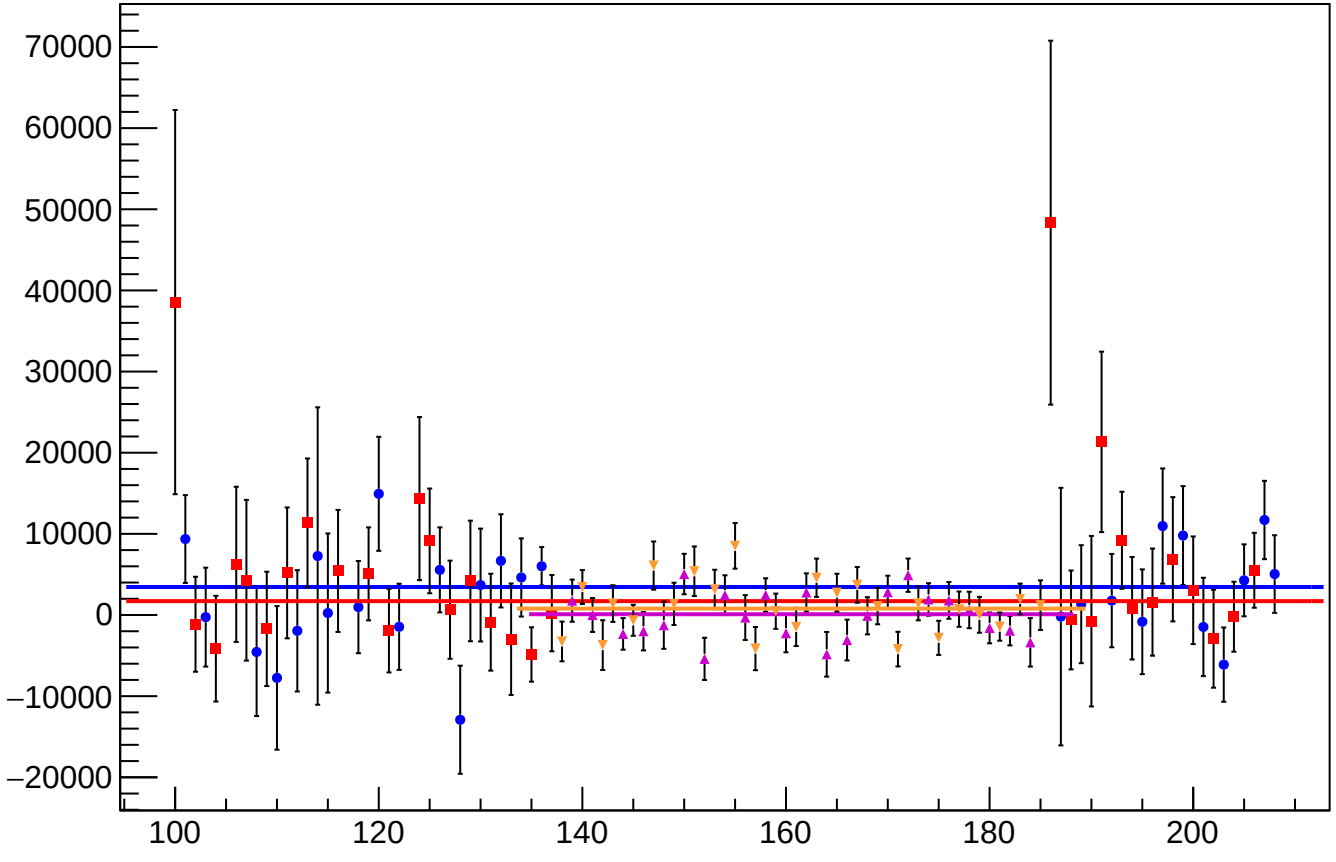
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2351.238+/-0.302 χ^2/NDF: 9613652.7/51

All: 2376.608+/-0.218 χ^2/NDF: 20530160.6/1

- sign 2404.059+/-0.315 χ^2/NDF: 10901856.0/53

asym_sam2_mean vs Slug



Right In: 3453.155+/-1068.010 χ^2/NDF: 27.3/26

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 1710.537+/-1142.565 χ^2/NDF: 25.6/30

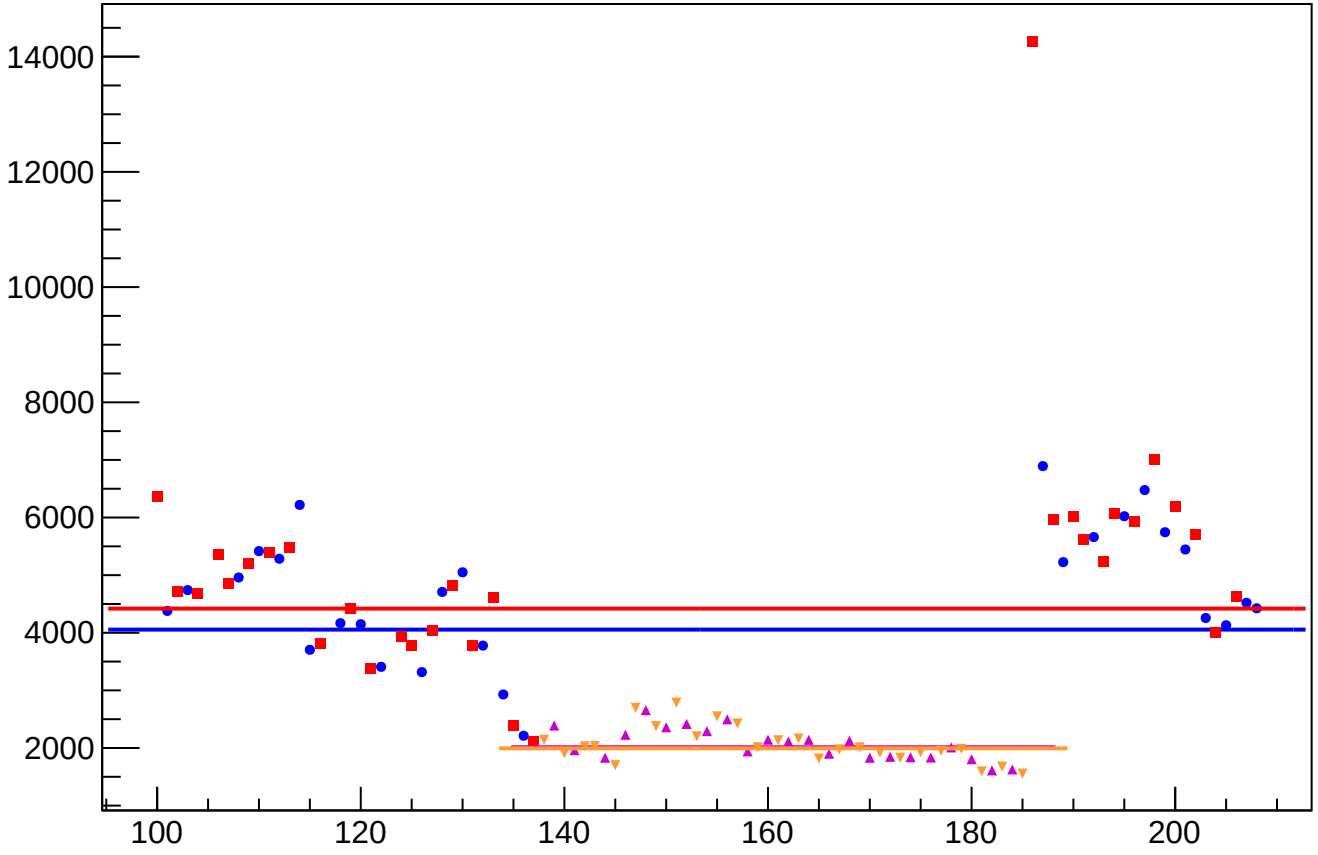
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

\+ sign 1203.368+/-421.492 χ^2/NDF: 73.9/51

All: 786.031+/-303.864 χ^2/NDF: 136.0/105

\- sign 334.397+/-438.469 χ^2/NDF: 60.1/53

asym_sam2_rms vs Slug



Right In: 4054.792+/-0.755 χ^2/NDF: 2637807.0/26

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4419.578+/-0.808 χ^2/NDF: 2849982.3/30

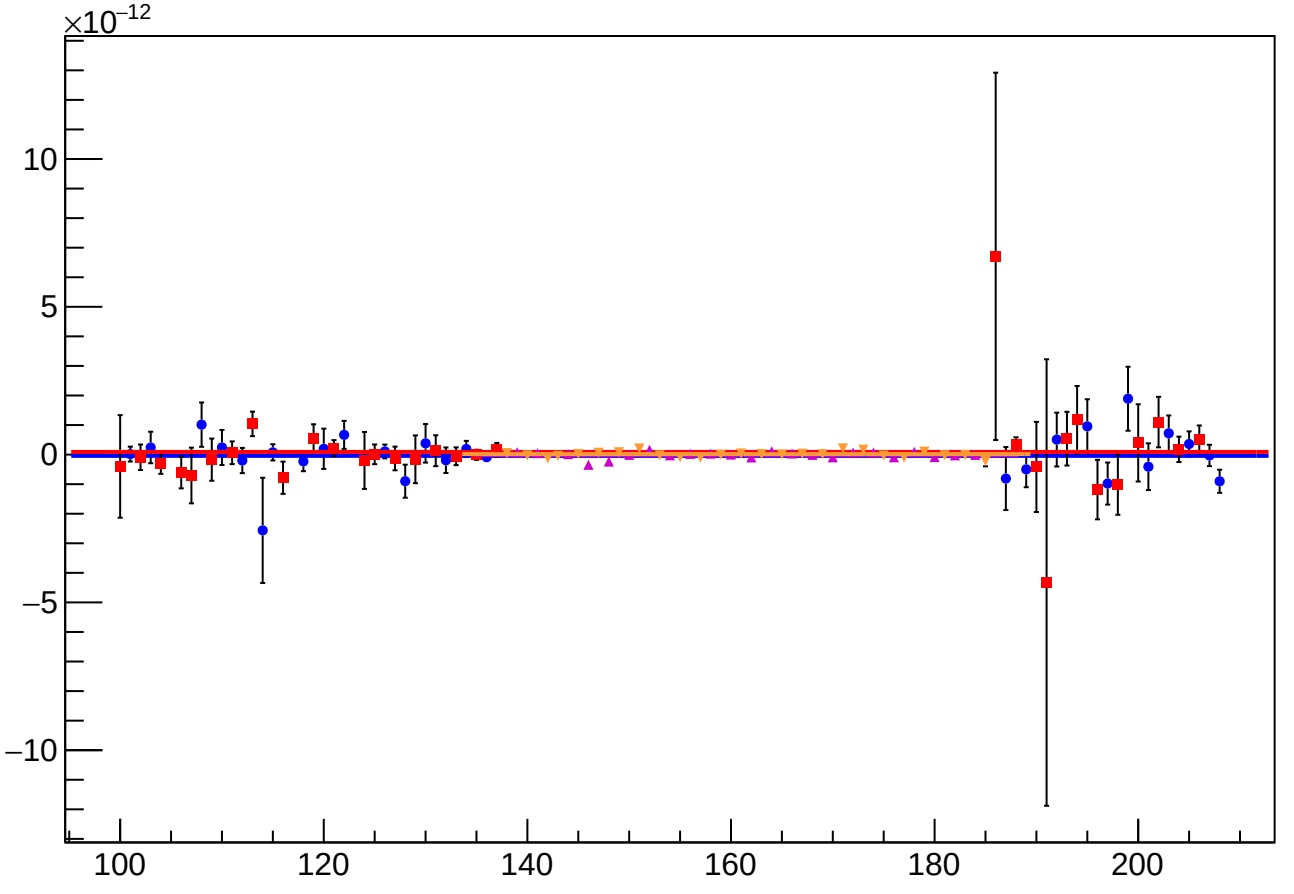
Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2315.175+/-0.298 χ^2/NDF: 9669447.3/51

All: 2340.140+/-0.215 χ^2/NDF: 20689466.8/1

- sign 2367.156+/-0.310 χ^2/NDF: 11005410.2/53

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

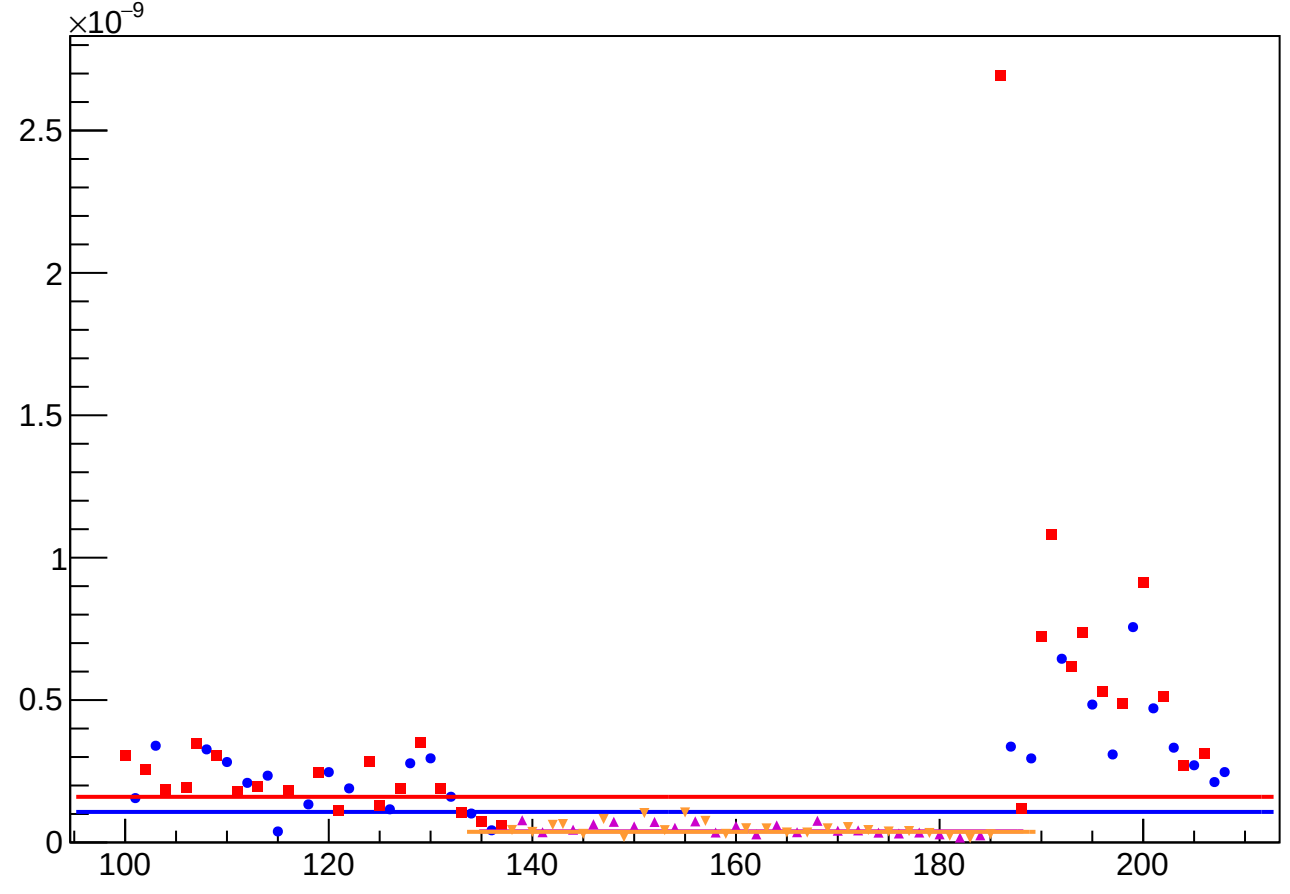
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/30

Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.3/51

All: 0.000+/-0.000 χ^2/NDF: 106.2/105

- sign -0.000+/-0.000 χ^2/NDF: 55.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 6642610.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5118565.7/30

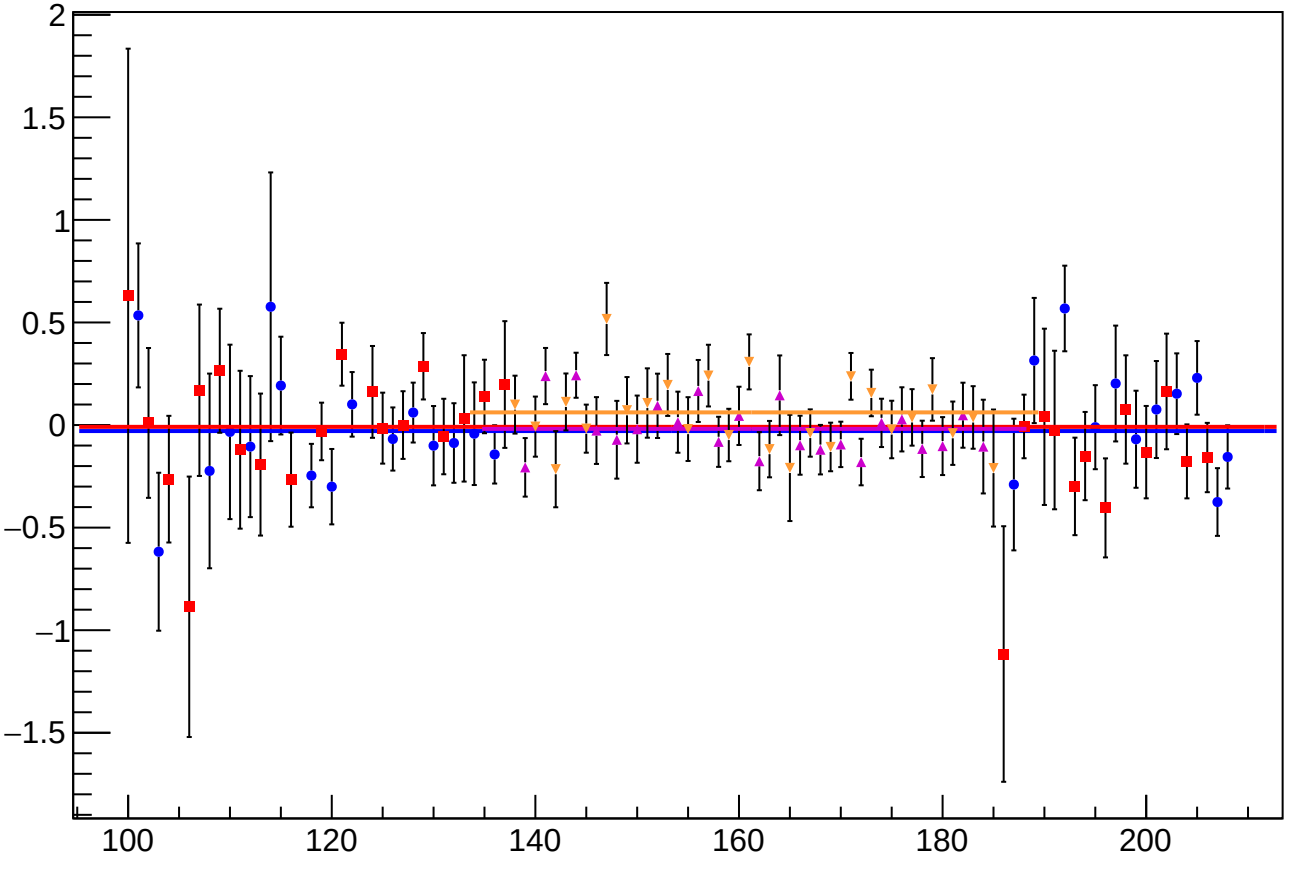
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11750468.7/51

All: 0.000+/-0.000 χ^2/NDF: 23687027.2/105

- sign 0.000+/-0.000 χ^2/NDF: 11908983.3/53

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.040 χ^2/NDF: 32.0/26

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.009+/-0.041 χ^2/NDF: 26.2/30

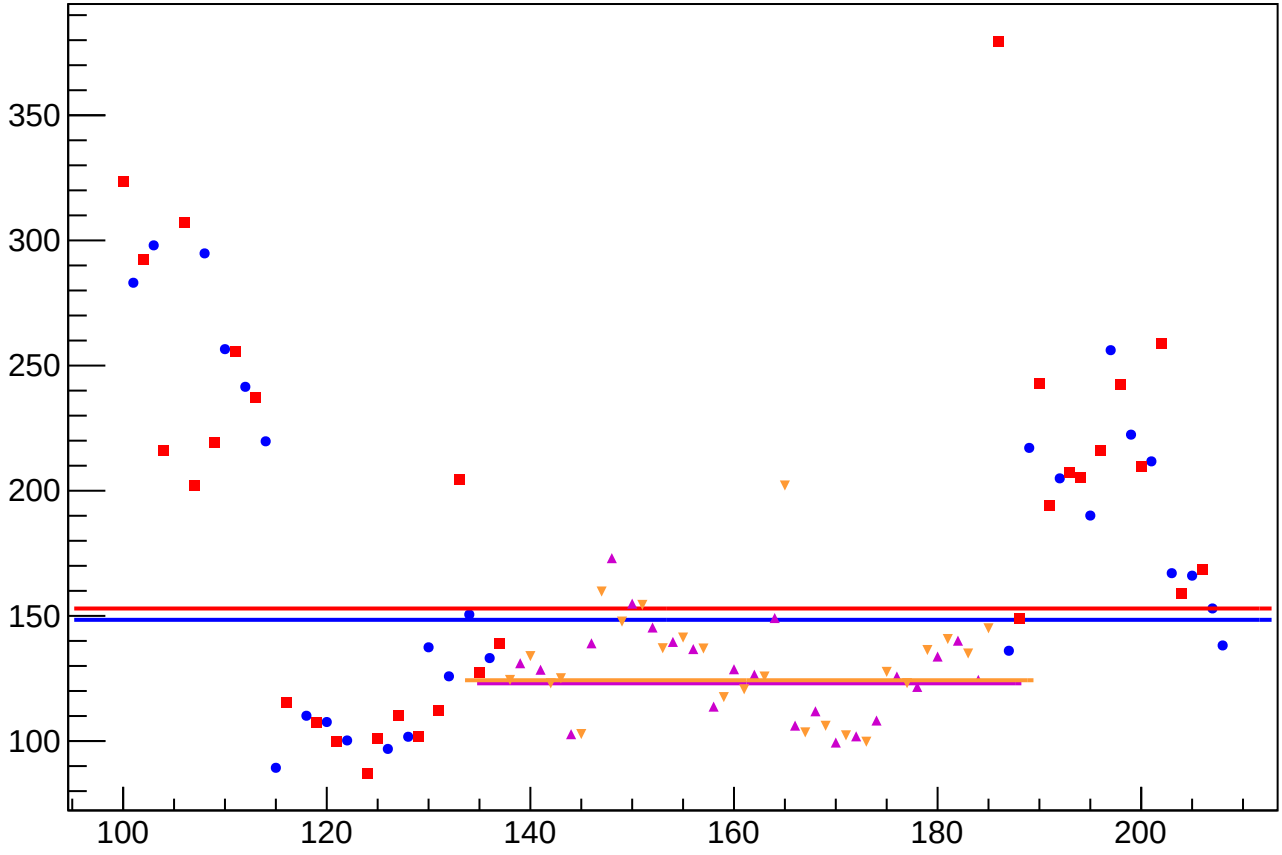
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.023 χ^2/NDF: 62.9/51

All: 0.008+/-0.017 χ^2/NDF: 111.4/105

- sign -0.015+/-0.024 χ^2/NDF: 46.6/53

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 148.428+/-0.028 χ^2/NDF: 3116633.5/26

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

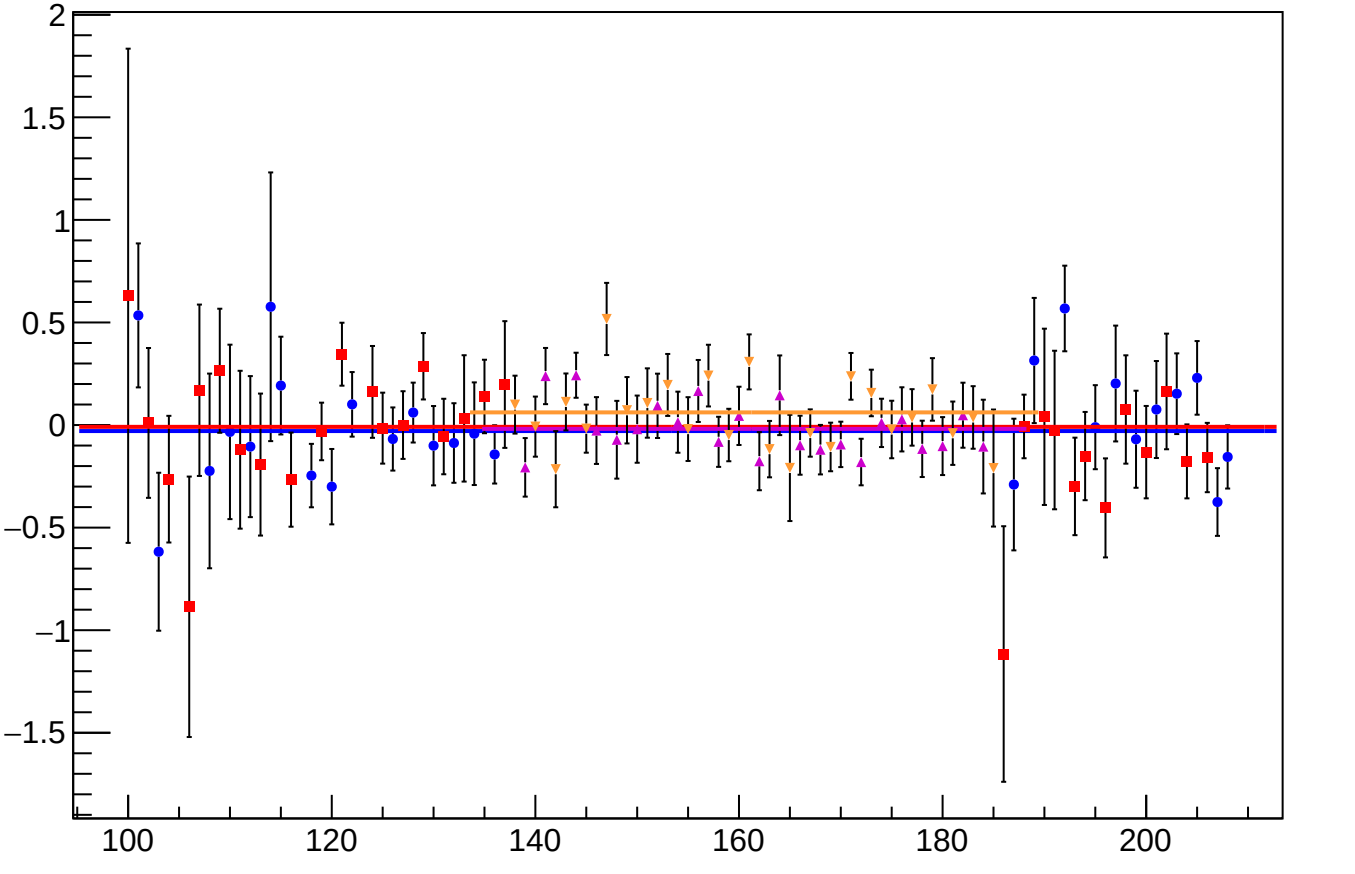
Right Out: 152.951+/-0.029 χ^2/NDF: 3700115.3/30

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 132.482+/-0.016 χ^2/NDF: 4438237.9/51

All: 132.855+/-0.012 χ^2/NDF: 9565715.8/105

- sign 133.243+/-0.017 χ^2/NDF: 5126435.1/53



Right In: -0.029+/-0.040 χ^2/NDF: 32.0/26

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.009+/-0.041 χ^2/NDF: 26.2/30

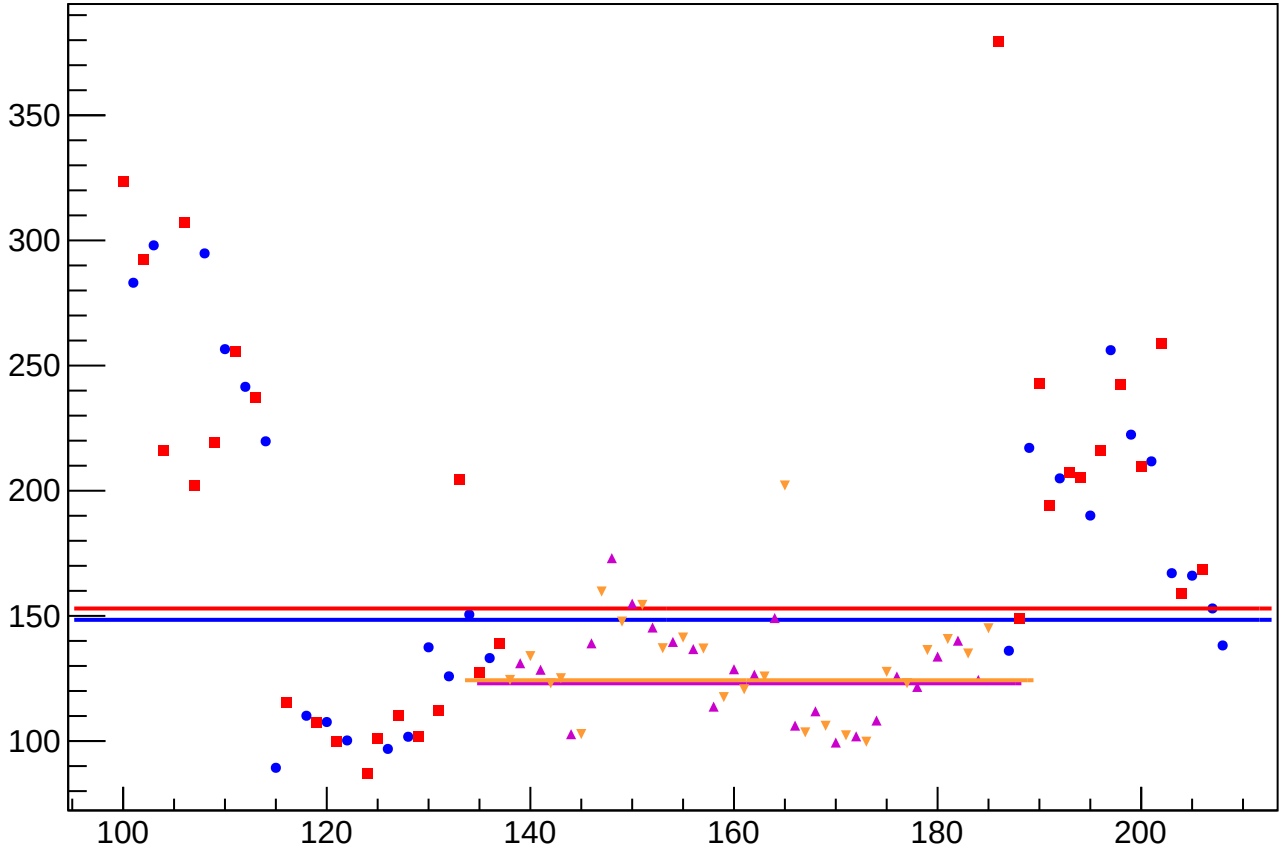
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.023 χ^2/NDF: 62.9/51

All: 0.008+/-0.017 χ^2/NDF: 111.4/105

- sign -0.015+/-0.024 χ^2/NDF: 46.6/53

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.428+/-0.028 χ^2/NDF: 3116633.5/26

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 152.951+/-0.029 χ^2/NDF: 3700115.3/30

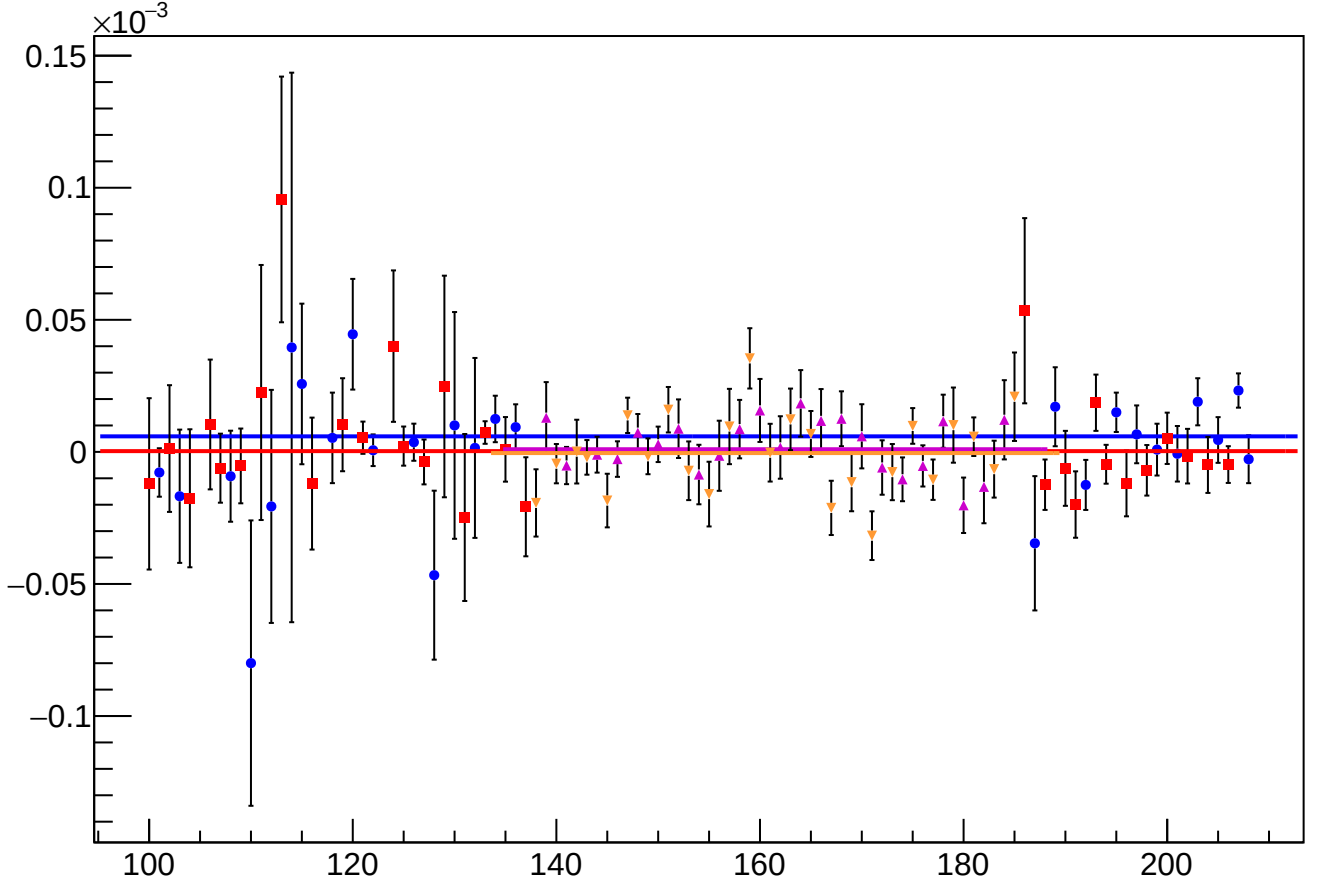
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 132.482+/-0.016 χ^2/NDF: 4438237.9/51

All: 132.855+/-0.012 χ^2/NDF: 9565715.8/105

- sign 133.243+/-0.017 χ^2/NDF: 5126435.1/53

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 34.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/30

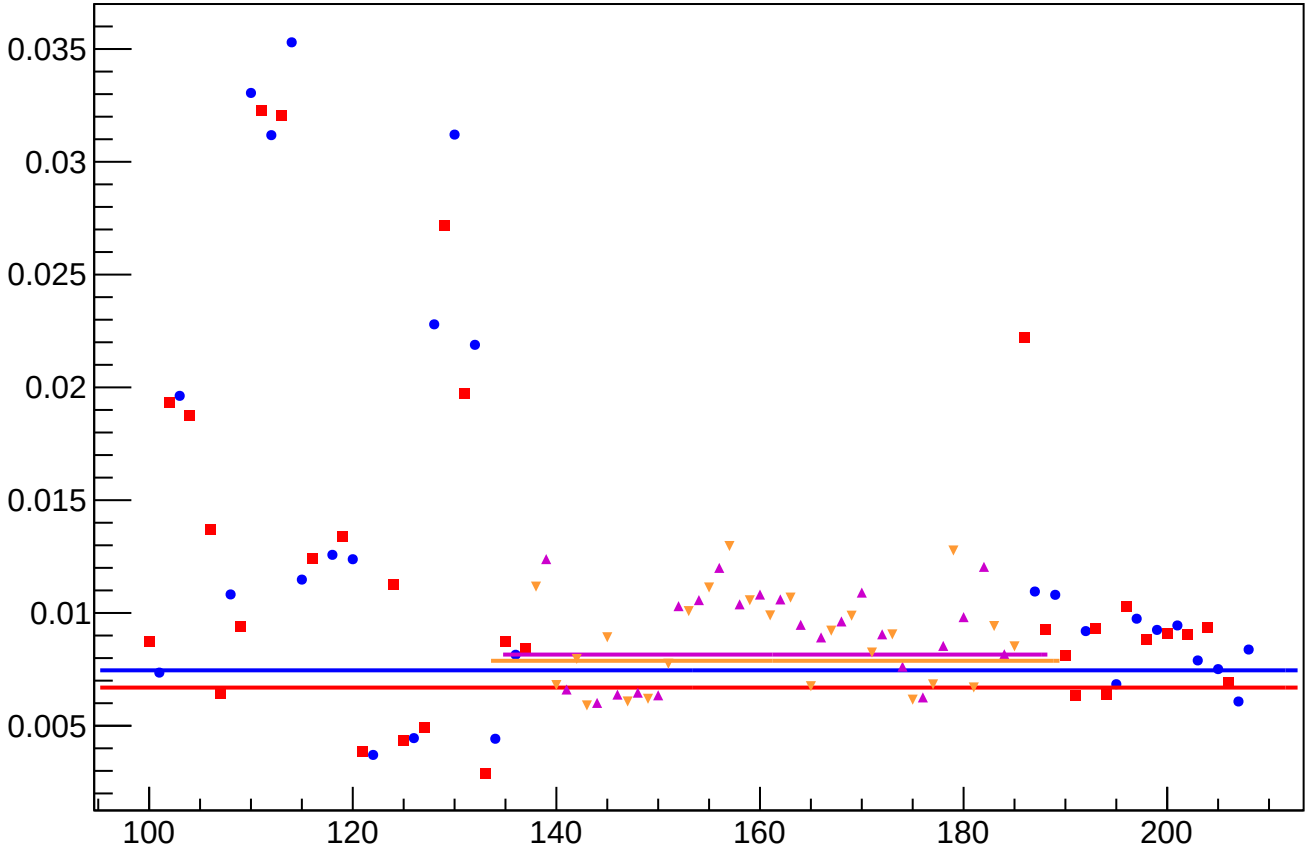
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 91.8/51

All: 0.000+/-0.000 χ^2/NDF: 139.5/105

- sign 0.000+/-0.000 χ^2/NDF: 46.9/53

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5427647.1/26

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7341589.1/30

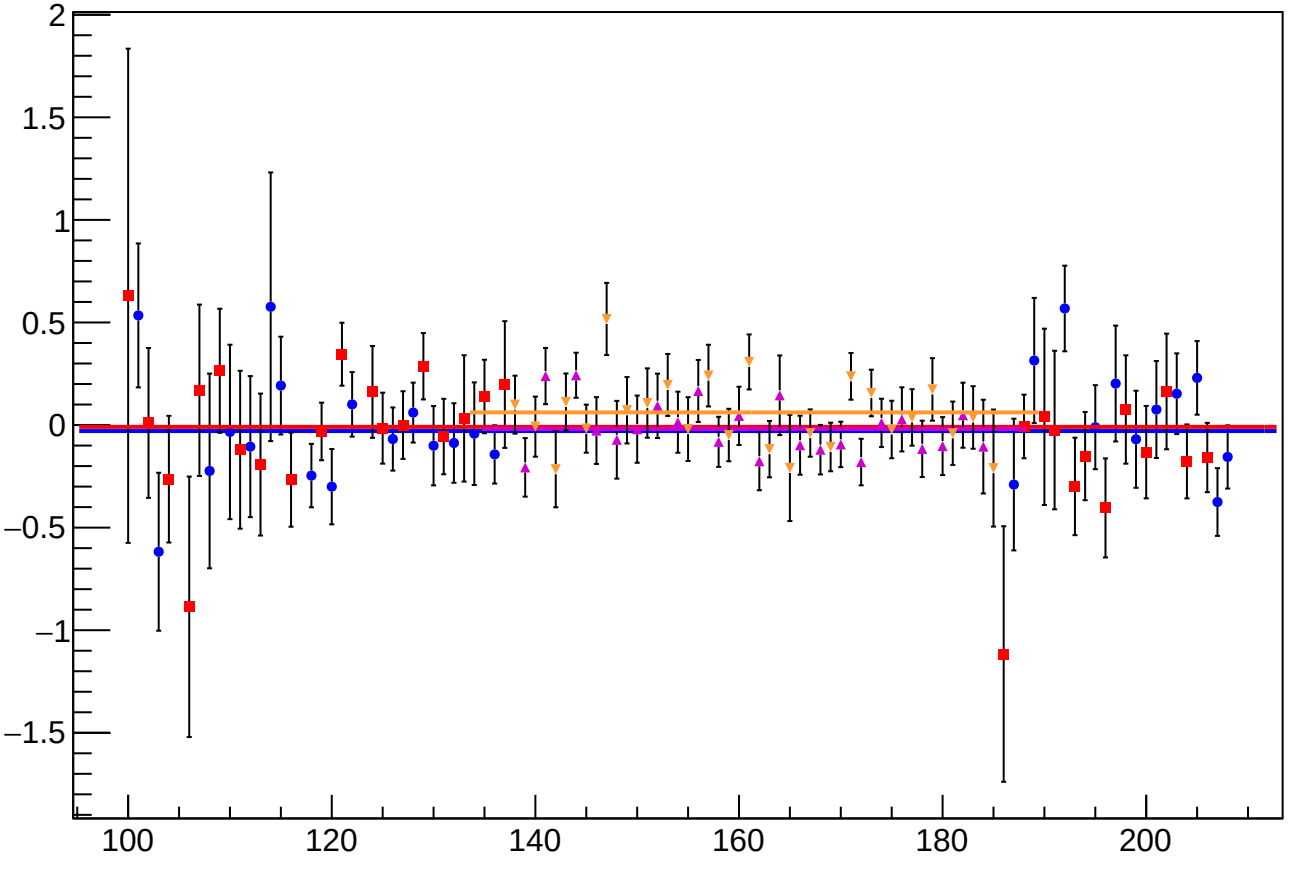
Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7549777.0/51

All: 0.008+/-0.000 χ^2/NDF: 17508094.7/105

- sign 0.007+/-0.000 χ^2/NDF: 9915412.6/53

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.040 χ^2/NDF: 32.0/26

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.009+/-0.041 χ^2/NDF: 26.2/30

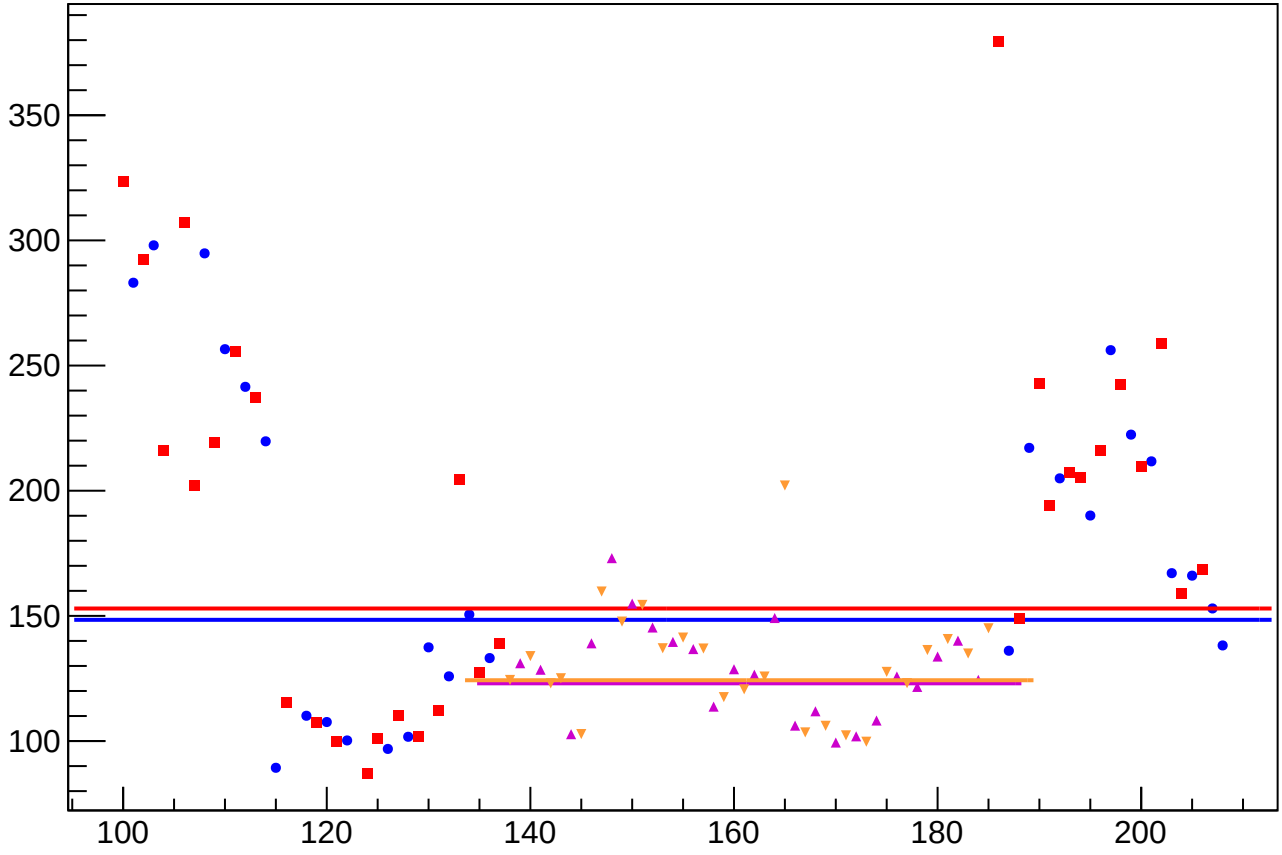
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.023 χ^2/NDF: 62.9/51

All: 0.008+/-0.017 χ^2/NDF: 111.4/105

- sign -0.015+/-0.024 χ^2/NDF: 46.6/53

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.426+/-0.028 χ^2/NDF: 3116687.3/26

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

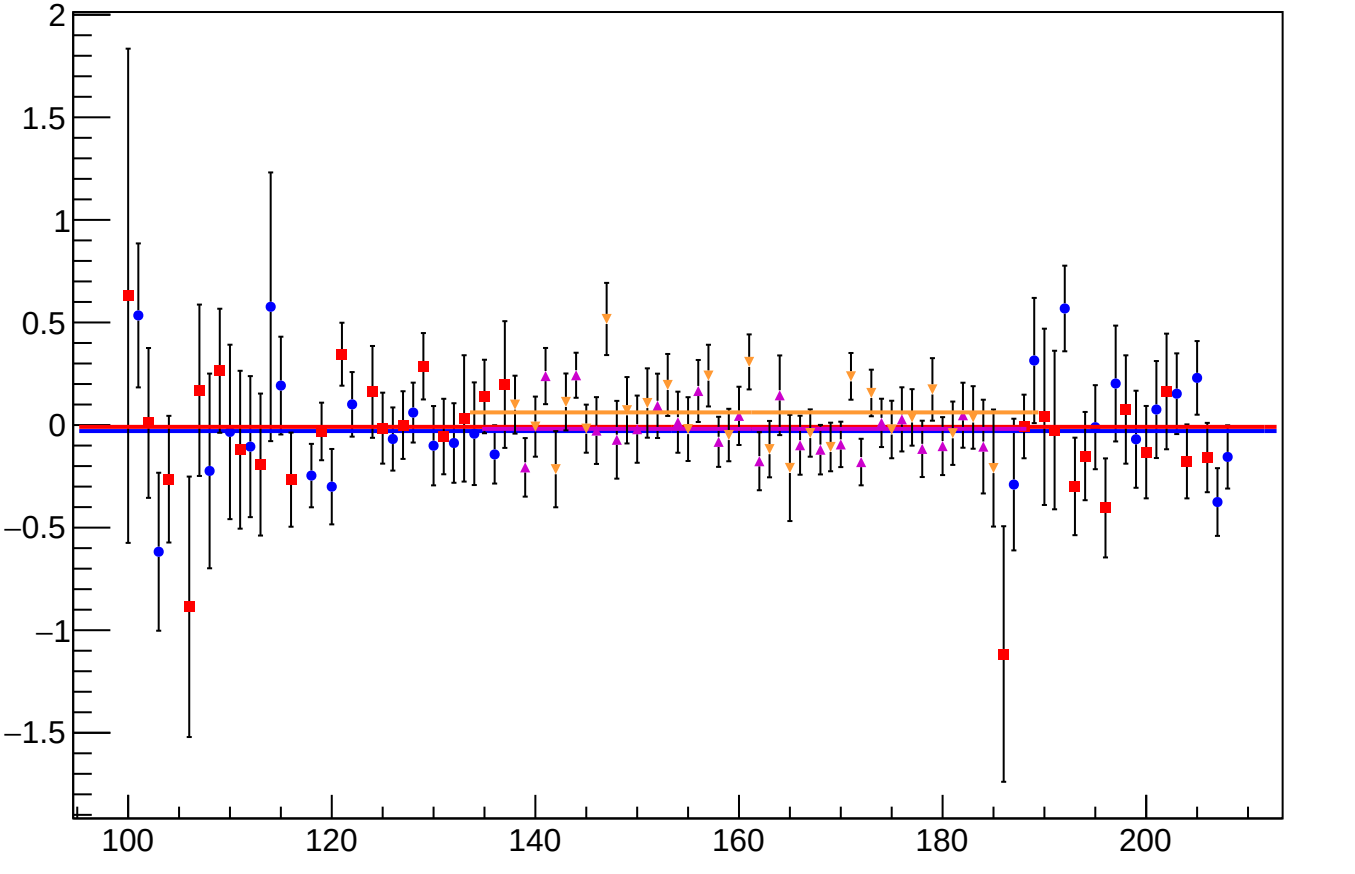
Right Out: 152.949+/-0.029 χ^2/NDF: 3700240.7/30

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 132.482+/-0.016 χ^2/NDF: 4438266.1/51

All: 132.854+/-0.012 χ^2/NDF: 9565800.9/105

- sign 133.243+/-0.017 χ^2/NDF: 5126492.2/53



Right In: -0.029+/-0.040 χ^2/NDF: 32.0/26

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

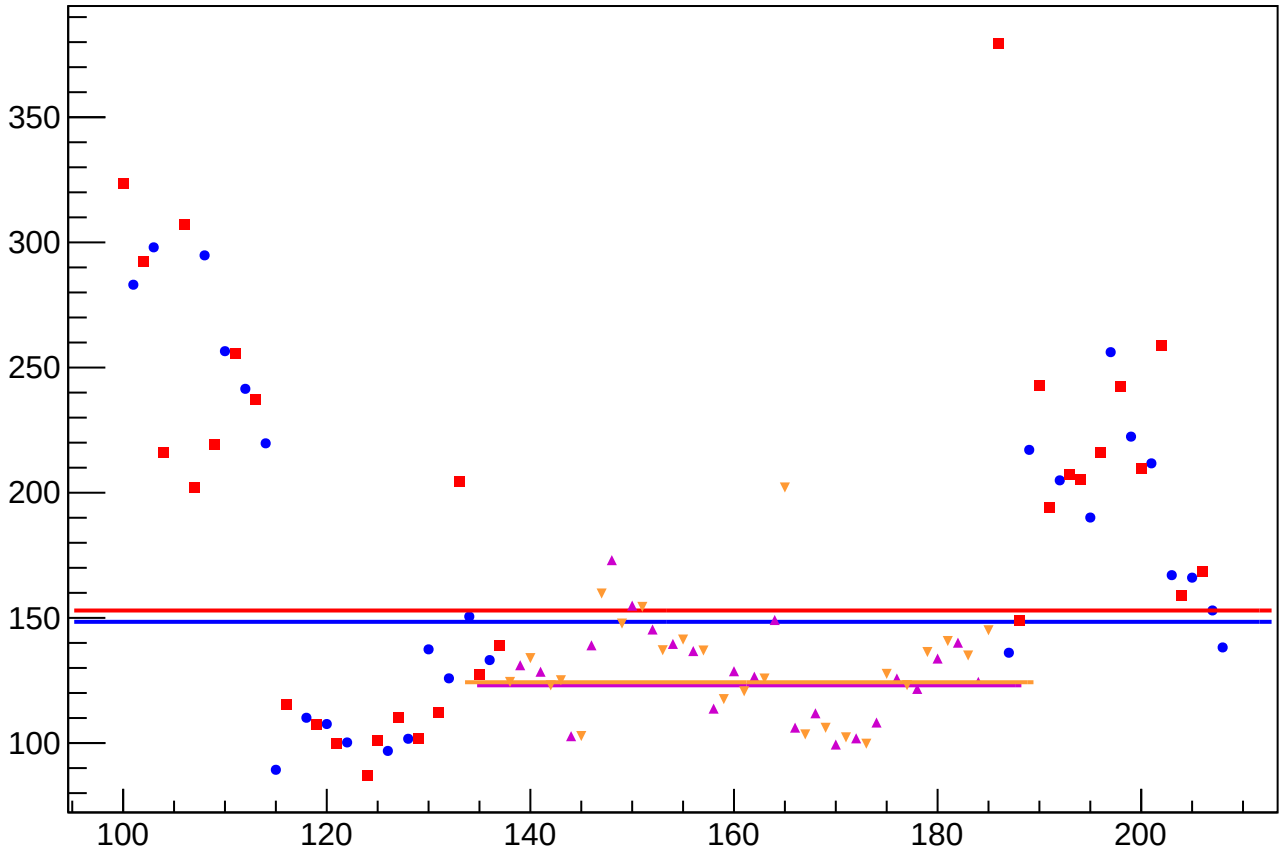
Right Out: -0.009+/-0.041 χ^2/NDF: 26.2/30

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.023 χ^2/NDF: 62.9/51

All: 0.008+/-0.017 χ^2/NDF: 111.4/105

- sign -0.015+/-0.024 χ^2/NDF: 46.6/53



Right In: 148.426+/-0.028 χ^2/NDF: 3116687.3/26

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 152.949+/-0.029 χ^2/NDF: 3700240.7/30

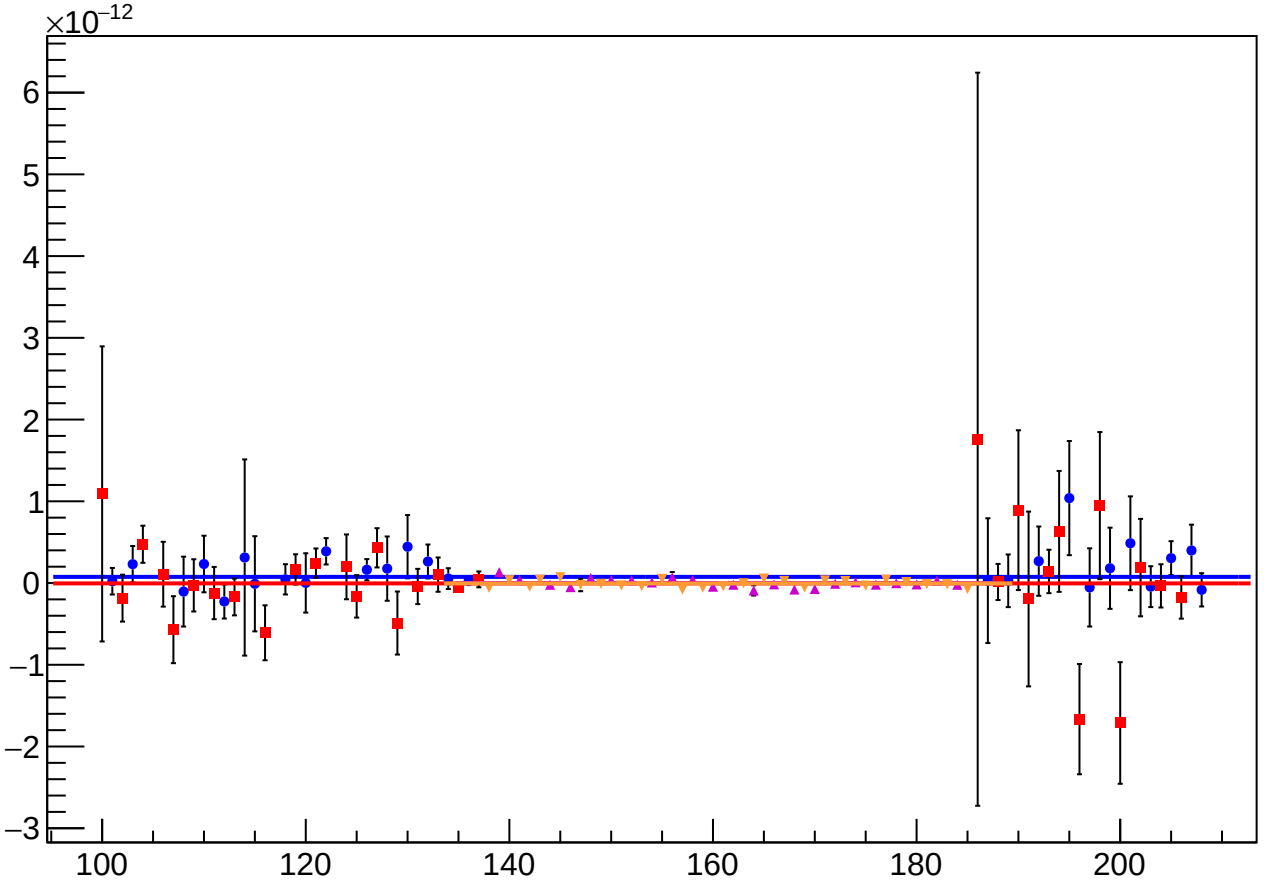
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 132.482+/-0.016 χ^2/NDF: 4438266.1/51

All: 132.854+/-0.012 χ^2/NDF: 9565800.9/105

- sign 133.243+/-0.017 χ^2/NDF: 5126492.2/53

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.8/30

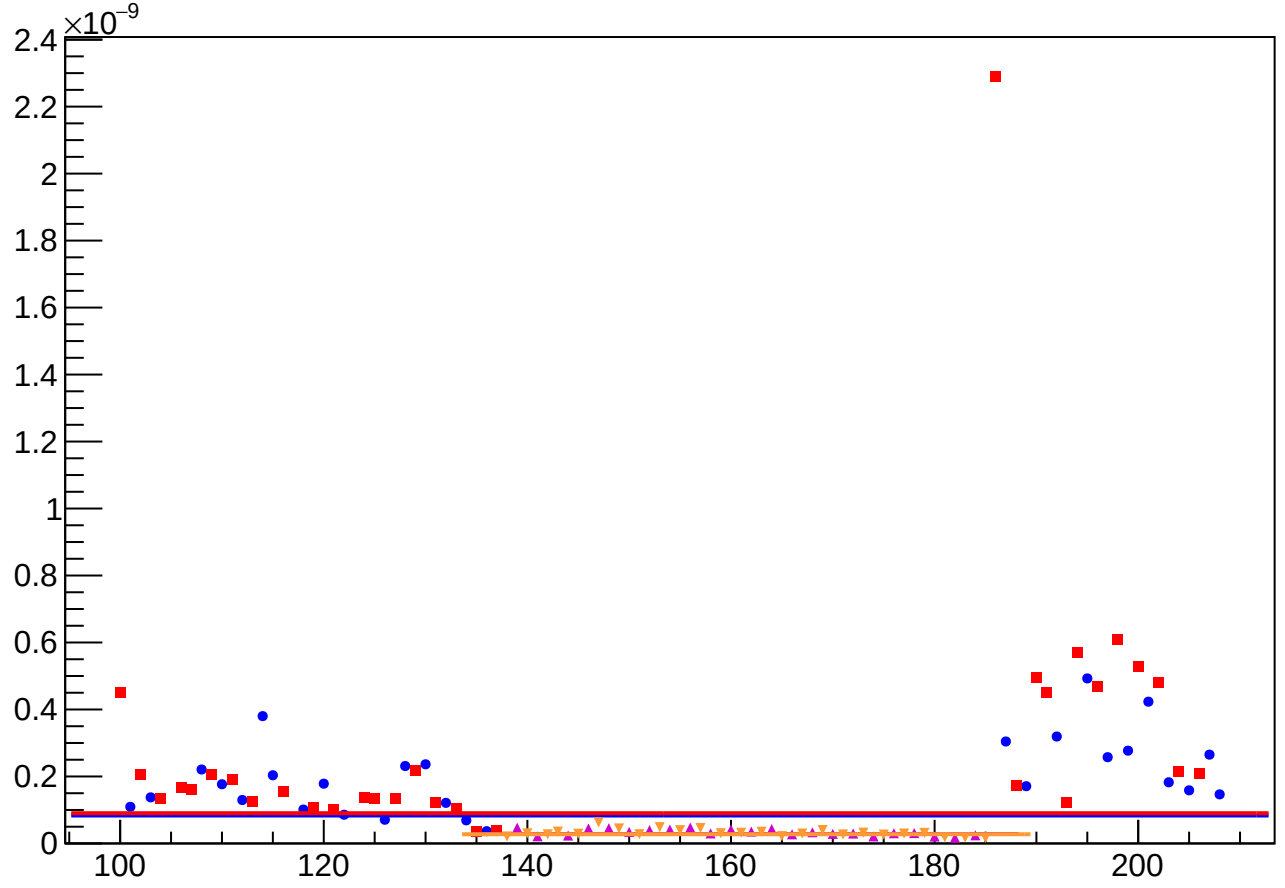
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.1/51

All: -0.000+/-0.000 χ^2/NDF: 106.5/105

- sign -0.000+/-0.000 χ^2/NDF: 60.4/53

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7921206.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9902038.1/30

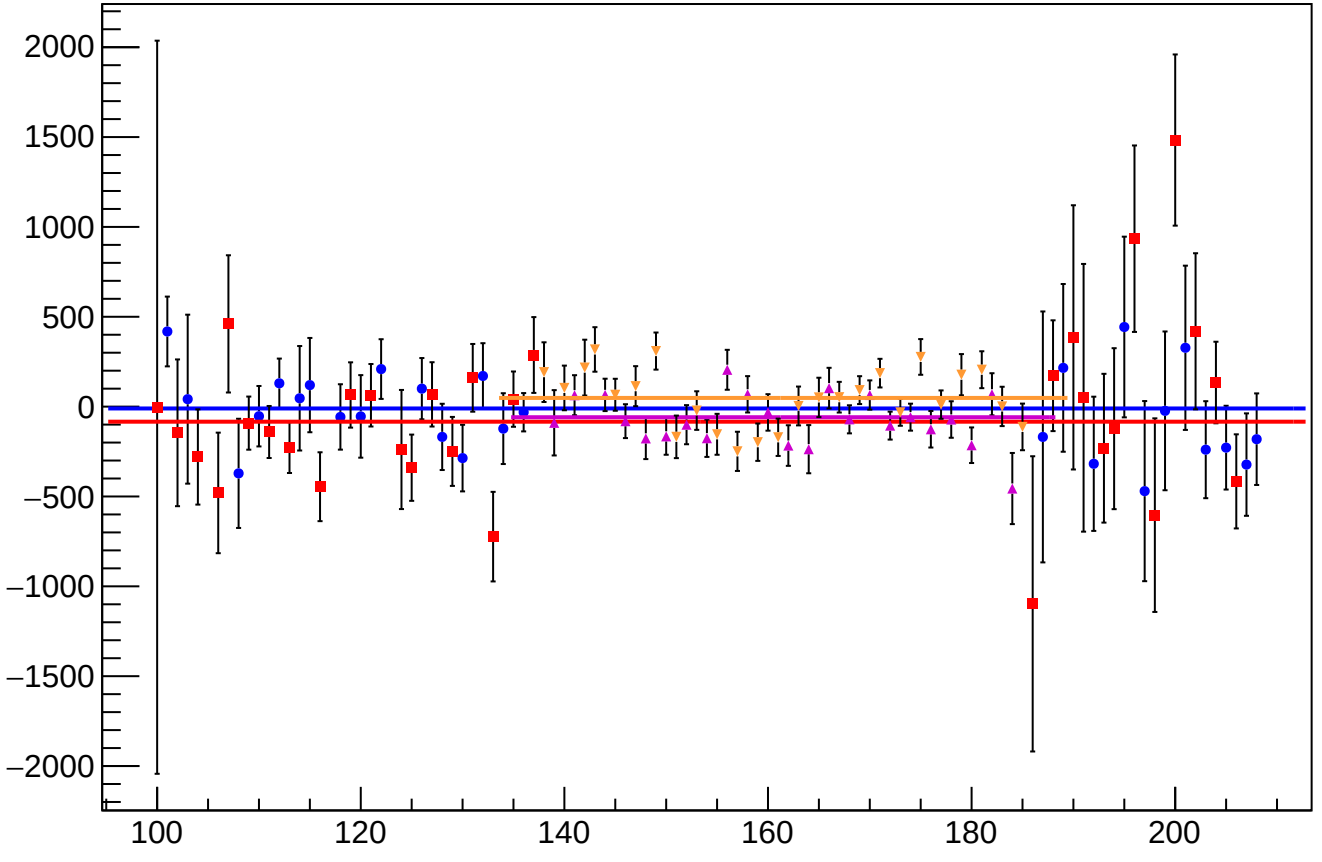
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 15492277.6/51

All: 0.000+/-0.000 χ^2/NDF: 32879590.5/105

- sign 0.000+/-0.000 χ^2/NDF: 17377770.6/53

reg_asym_sam3_mean vs Slug



Right In: -10.254+/-41.877 χ^2/NDF: 20.7/26

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -83.821+/-42.503 χ^2/NDF: 48.1/30

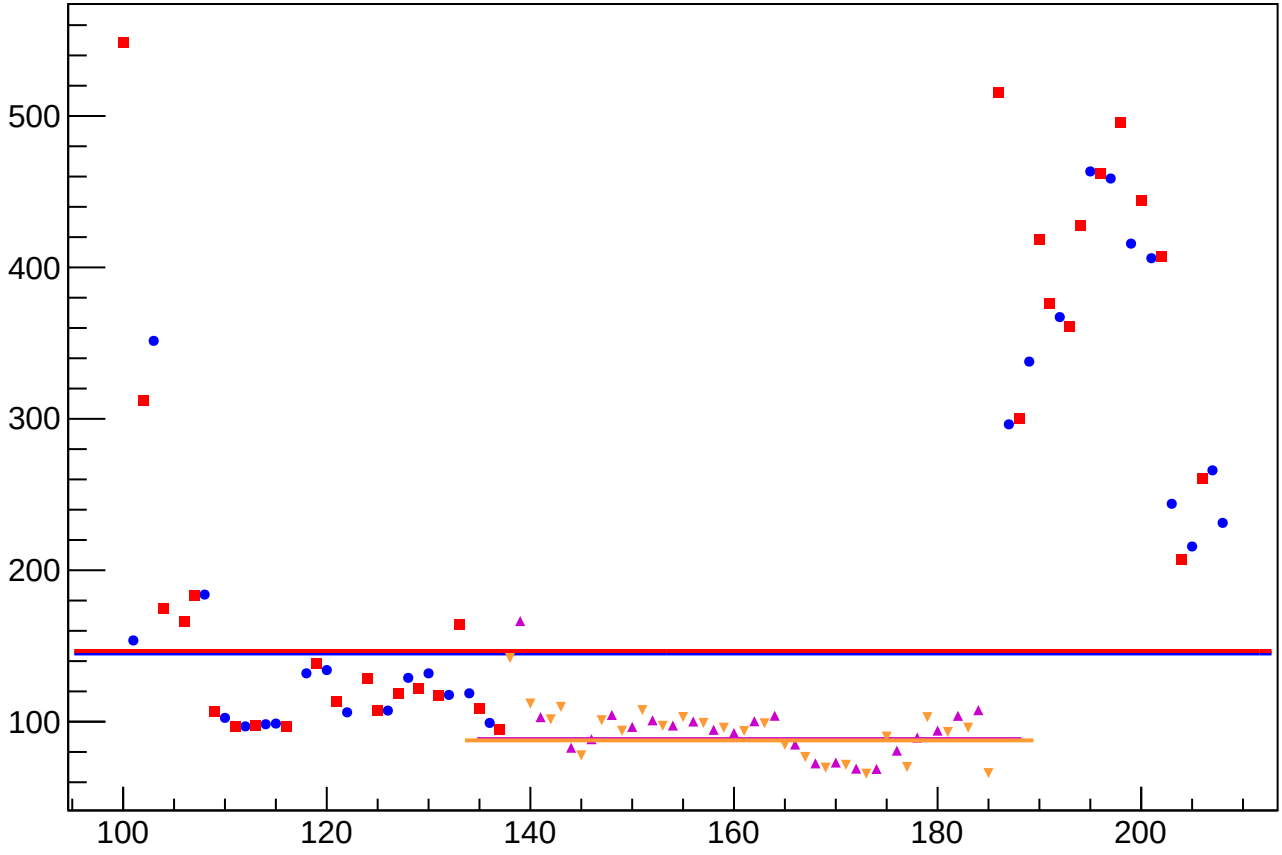
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 37.124+/-18.356 χ^2/NDF: 75.8/51

All: -11.828+/-13.181 χ^2/NDF: 169.4/105

- sign -63.940+/-18.940 χ^2/NDF: 78.9/53

reg_asym_sam3_rms vs Slug



Right In: 145.066+/-0.030 χ^2/NDF: 6780855.3/26

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 146.675+/-0.030 χ^2/NDF: 8052765.8/30

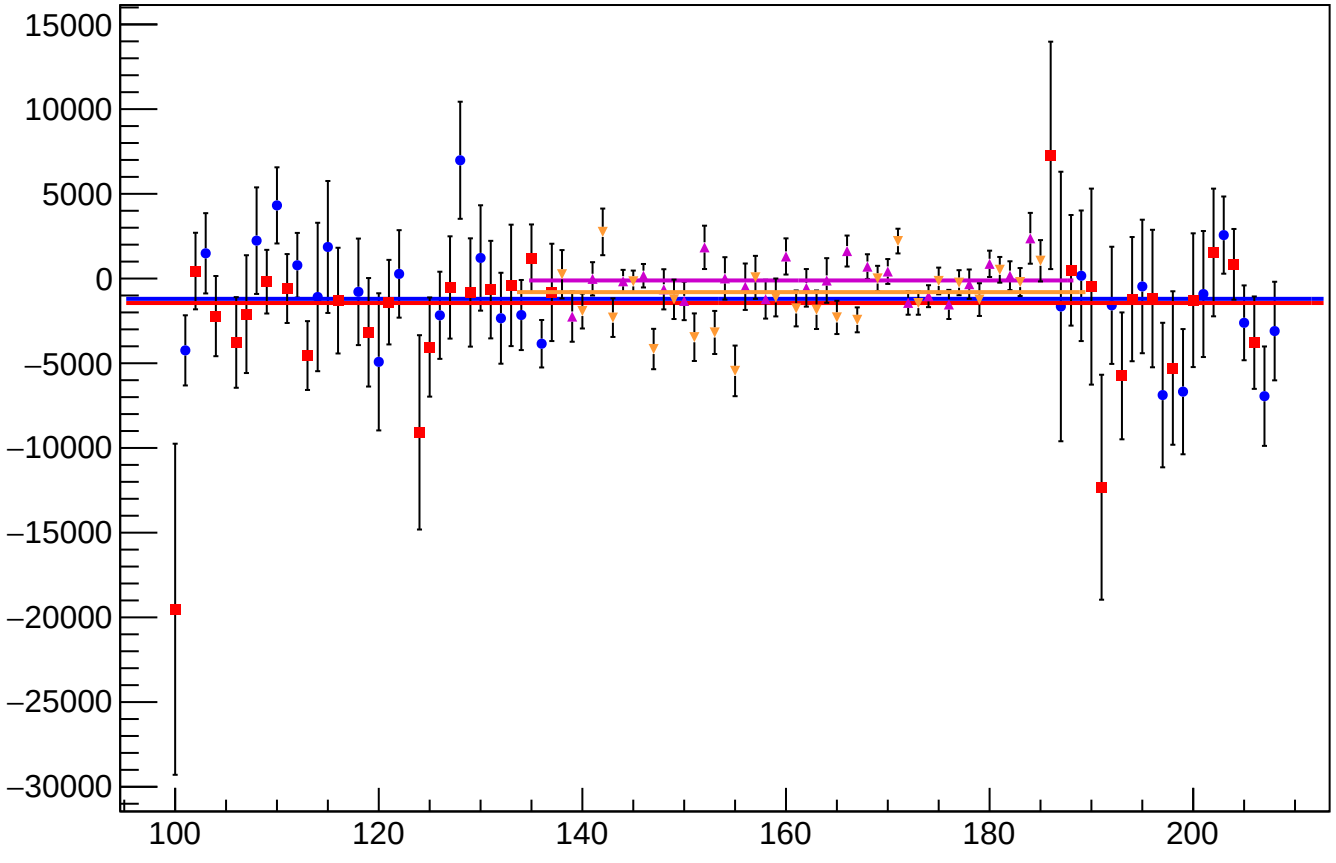
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 98.687+/-0.013 χ^2/NDF: 11030852.0/51

All: 99.341+/-0.009 χ^2/NDF: 23169214.2/105

- sign 100.037+/-0.013 χ^2/NDF: 12133119.3/53

asym_sam3_reg_correction_mean vs Slug



Right In: -1197.888+/-519.956 χ^2/NDF: 35.4/26

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

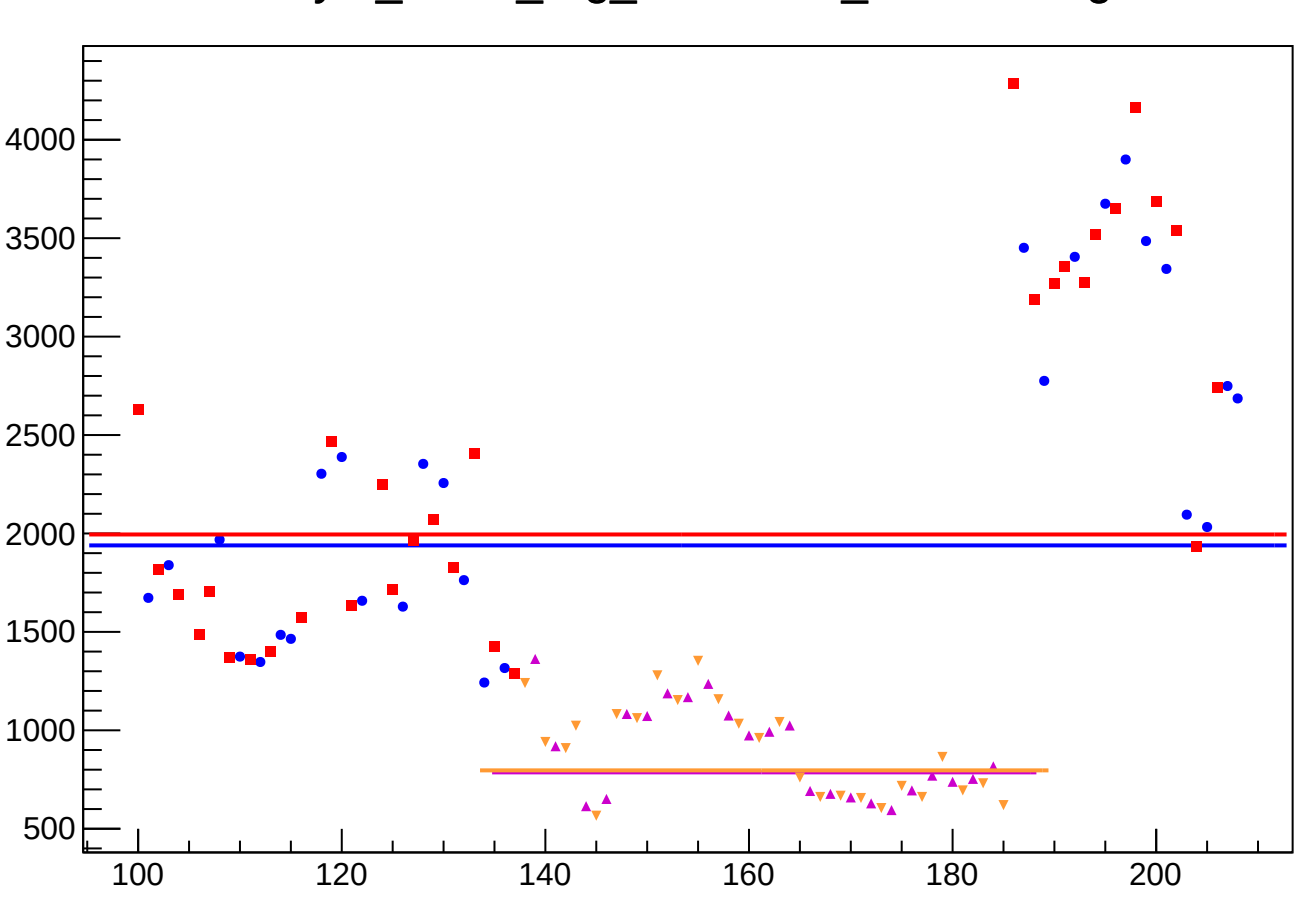
Right Out: -1445.544+/-528.283 χ^2/NDF: 22.3/30

Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -847.229+/-176.595 χ^2/NDF: 107.8/51

All: -560.345+/-125.717 χ^2/NDF: 168.1/105

- sign -265.551+/-179.013 χ^2/NDF: 55.0/53



Right In: 1939.354+/-0.368 χ^2/NDF: 3460047.4/26

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1994.886+/-0.374 χ^2/NDF: 4099868.6/30

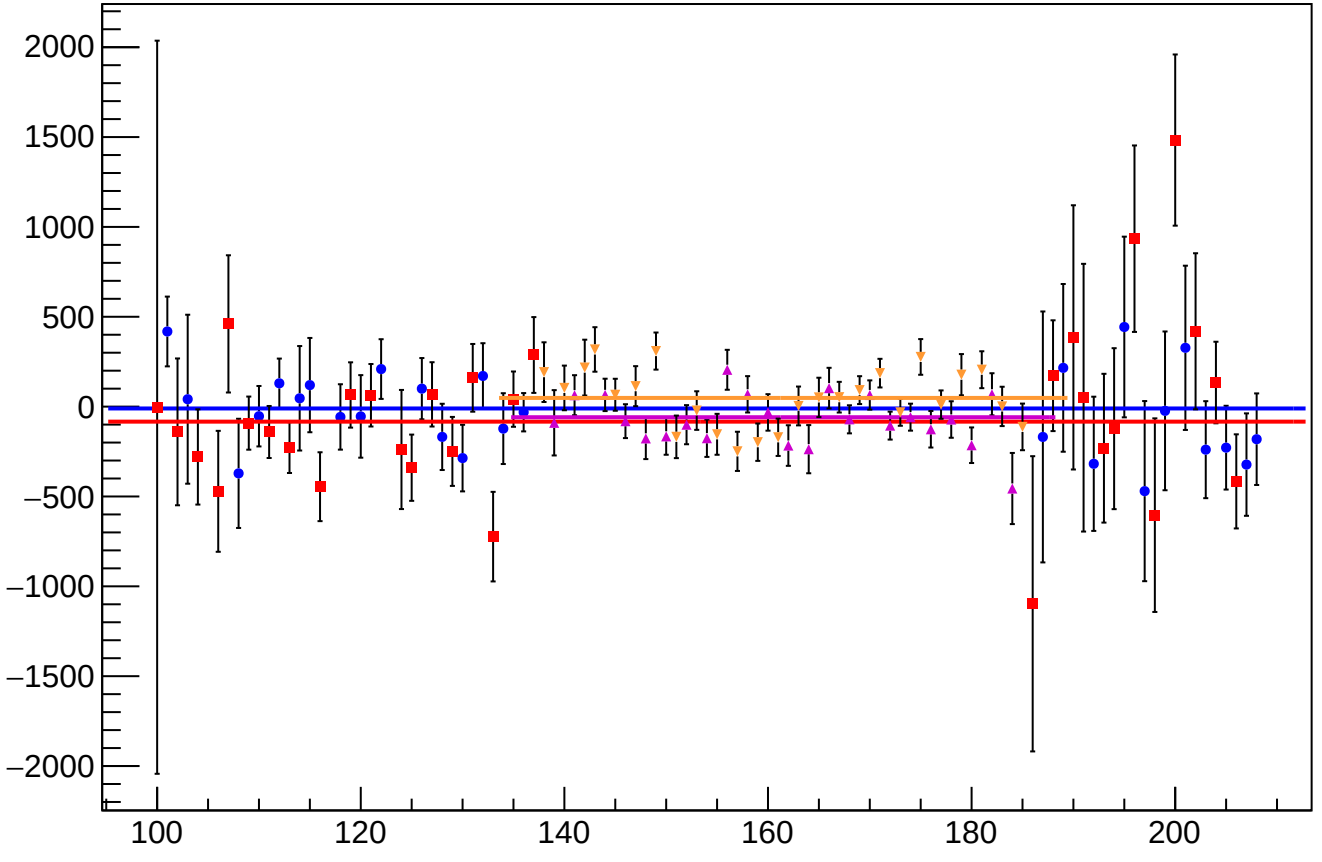
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 928.350+/-0.125 χ^2/NDF: 14425255.6/51

All: 926.751+/-0.089 χ^2/NDF: 29947279.4/10

- sign 925.107+/-0.127 χ^2/NDF: 15521691.1/53

cor_asym_sam3_mean vs Slug



Right In: -10.271+/-41.877 χ^2/NDF: 20.7/26

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -83.576+/-42.505 χ^2/NDF: 48.0/30

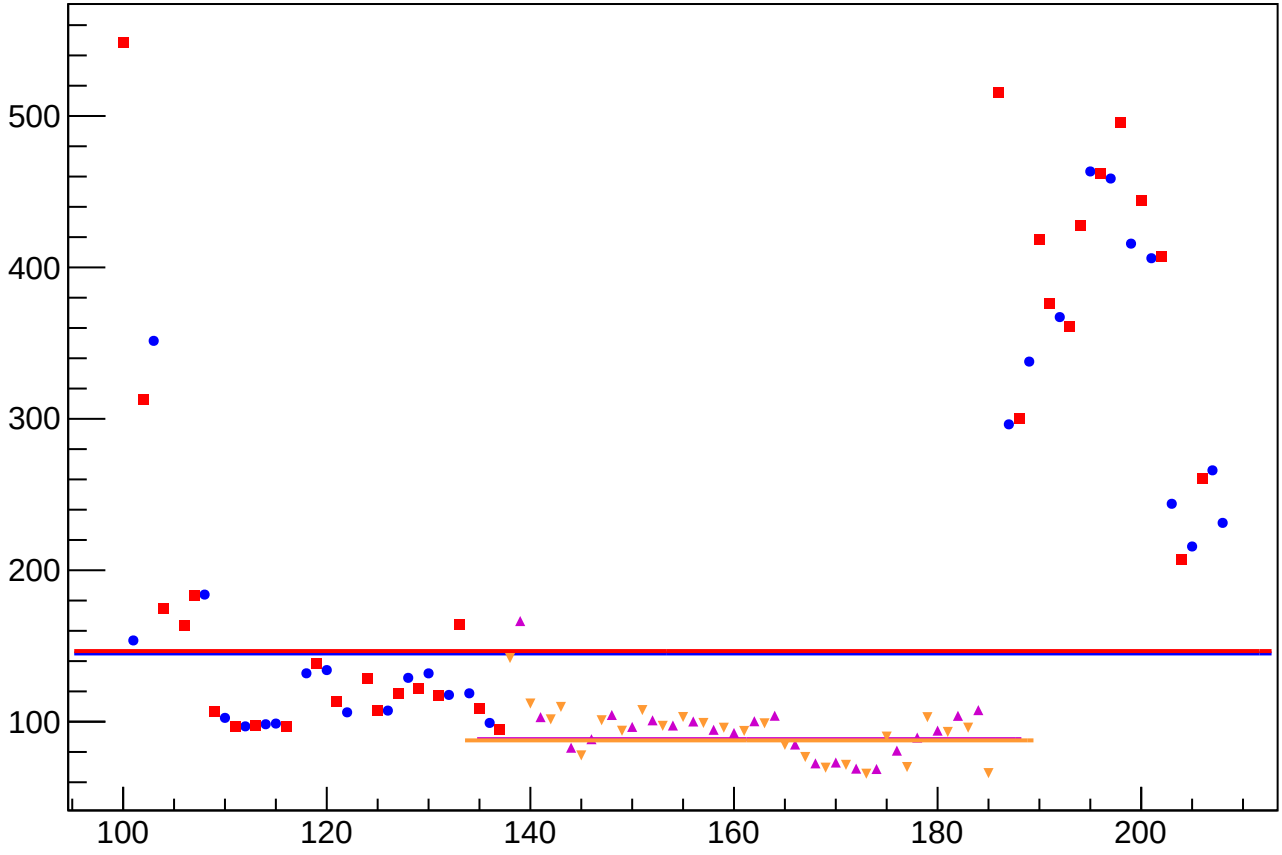
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 37.126+/-18.356 χ^2/NDF: 75.8/51

All: -11.803+/-13.181 χ^2/NDF: 169.3/105

- sign -63.893+/-18.940 χ^2/NDF: 78.8/53

cor_asym_sam3_rms vs Slug



Right In: 145.066+/-0.030 χ^2/NDF: 6780857.8/26

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 146.634+/-0.030 χ^2/NDF: 8051292.9/30

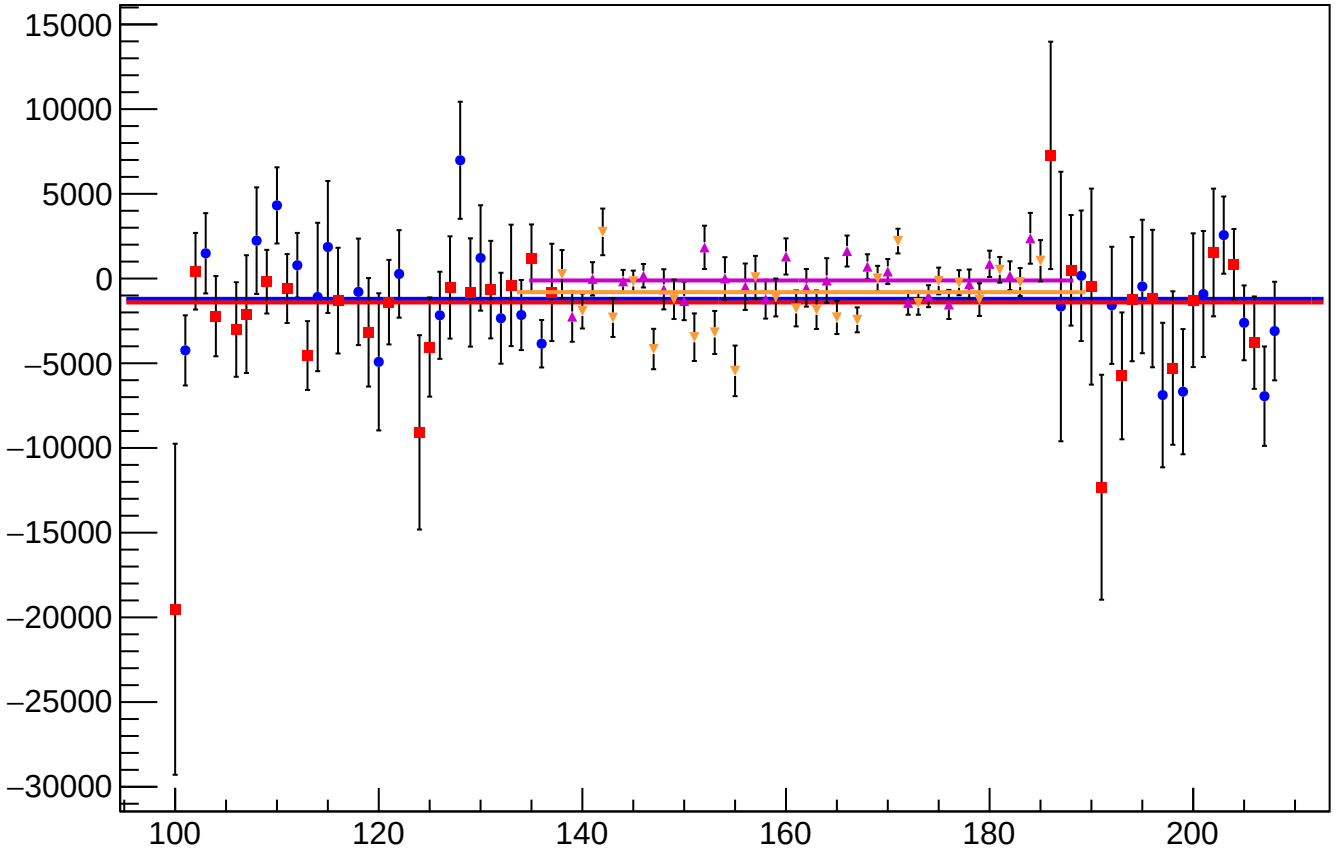
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 98.687+/-0.013 χ^2/NDF: 11030853.6/51

All: 99.337+/-0.009 χ^2/NDF: 23163134.0/105

- sign 100.028+/-0.013 χ^2/NDF: 12127109.2/53

asym_sam3_cor_correction_mean vs Slug



Right In: -1197.882+/-519.959 χ^2/NDF: 35.4/26

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1411.678+/-529.143 χ^2/NDF: 21.8/30

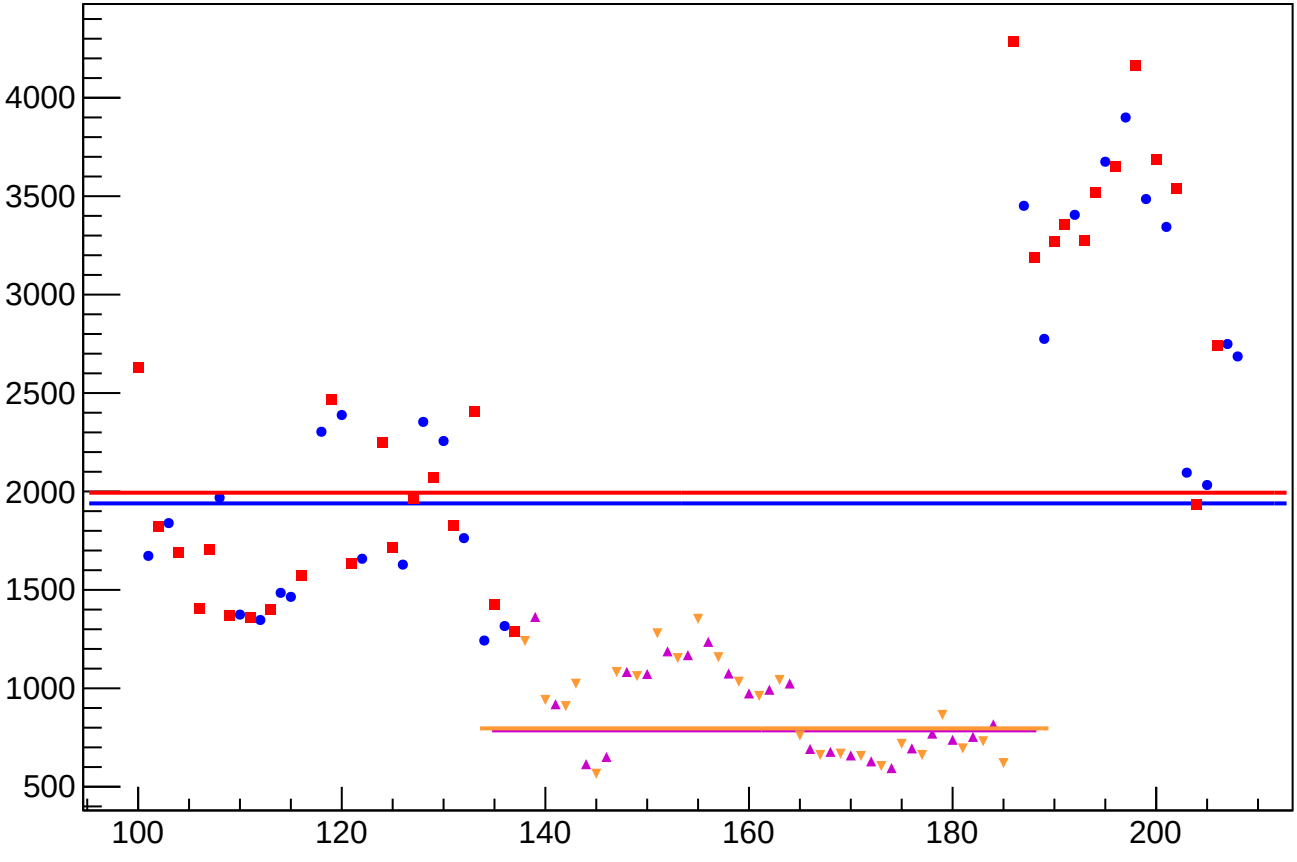
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -847.221+/-176.595 χ^2/NDF: 107.8/51

All: -558.267+/-125.729 χ^2/NDF: 167.5/105

- sign -261.235+/-179.046 χ^2/NDF: 54.2/53

asym_sam3_cor_correction_rms vs Slug



Right In: 1939.364+/-0.368 χ^2/NDF: 3460036.5/26

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1993.676+/-0.374 χ^2/NDF: 4116633.5/30

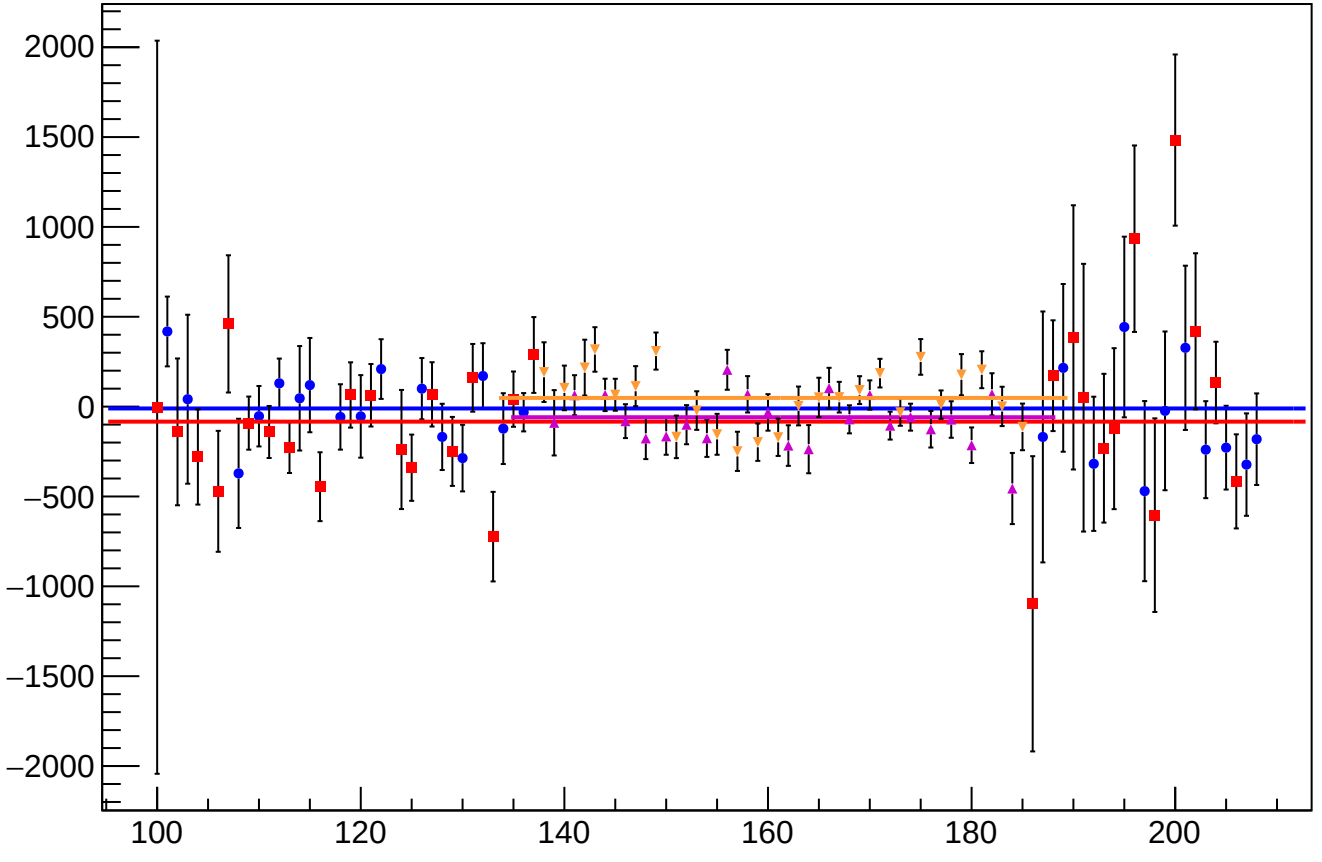
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 928.350+/-0.125 χ^2/NDF: 14425315.5/51

All: 926.486+/-0.089 χ^2/NDF: 29919069.2/10

- sign 924.569+/-0.127 χ^2/NDF: 15493301.7/53

eigen_cor_asym_sam3_mean vs Slug



Right In: -10.271+/-41.877 χ^2/NDF: 20.7/26

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -83.576+/-42.505 χ^2/NDF: 48.0/30

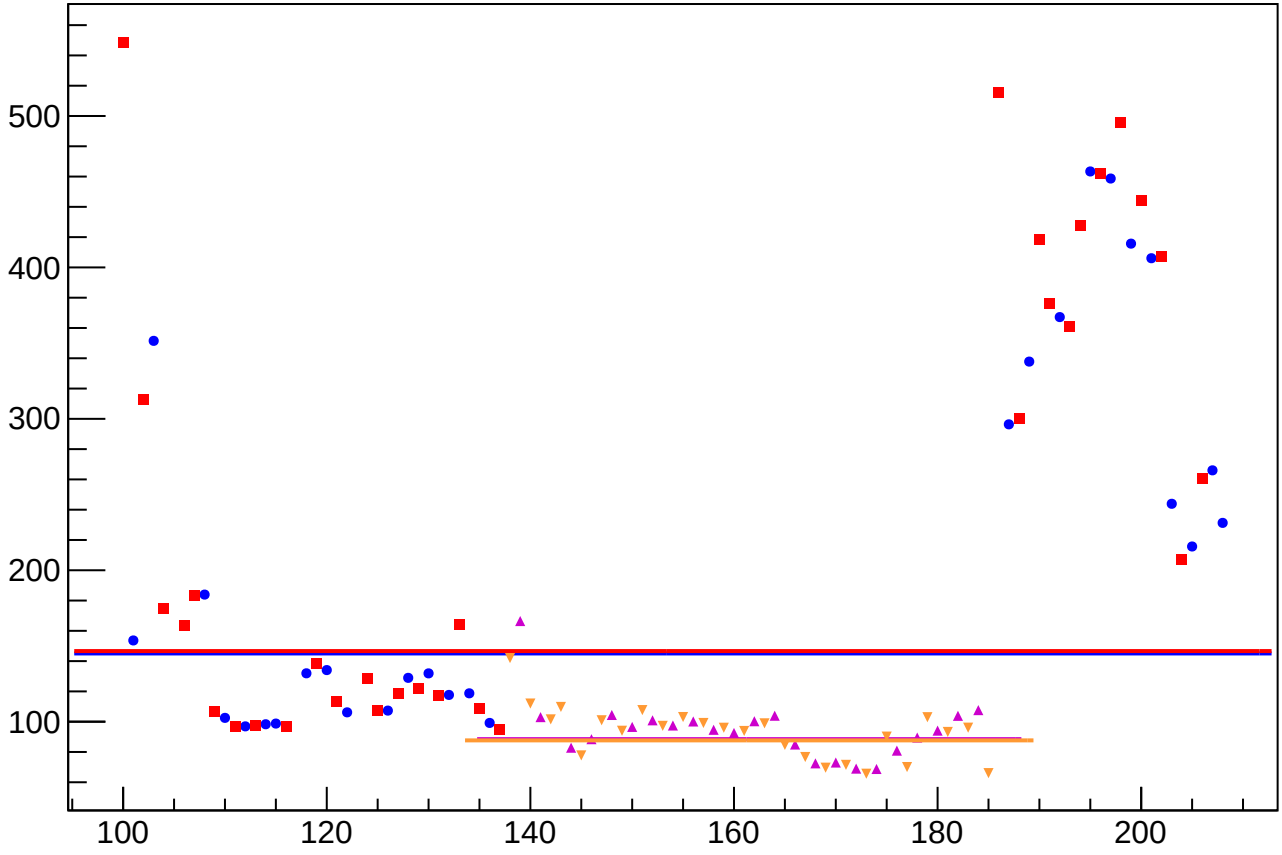
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 37.126+/-18.356 χ^2/NDF: 75.8/51

All: -11.803+/-13.181 χ^2/NDF: 169.3/105

- sign -63.893+/-18.940 χ^2/NDF: 78.8/53

eigen_cor_asym_sam3_rms vs Slug



Right In: 145.066+/-0.030 χ^2/NDF: 6780857.8/26

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 146.634+/-0.030 χ^2/NDF: 8051292.9/30

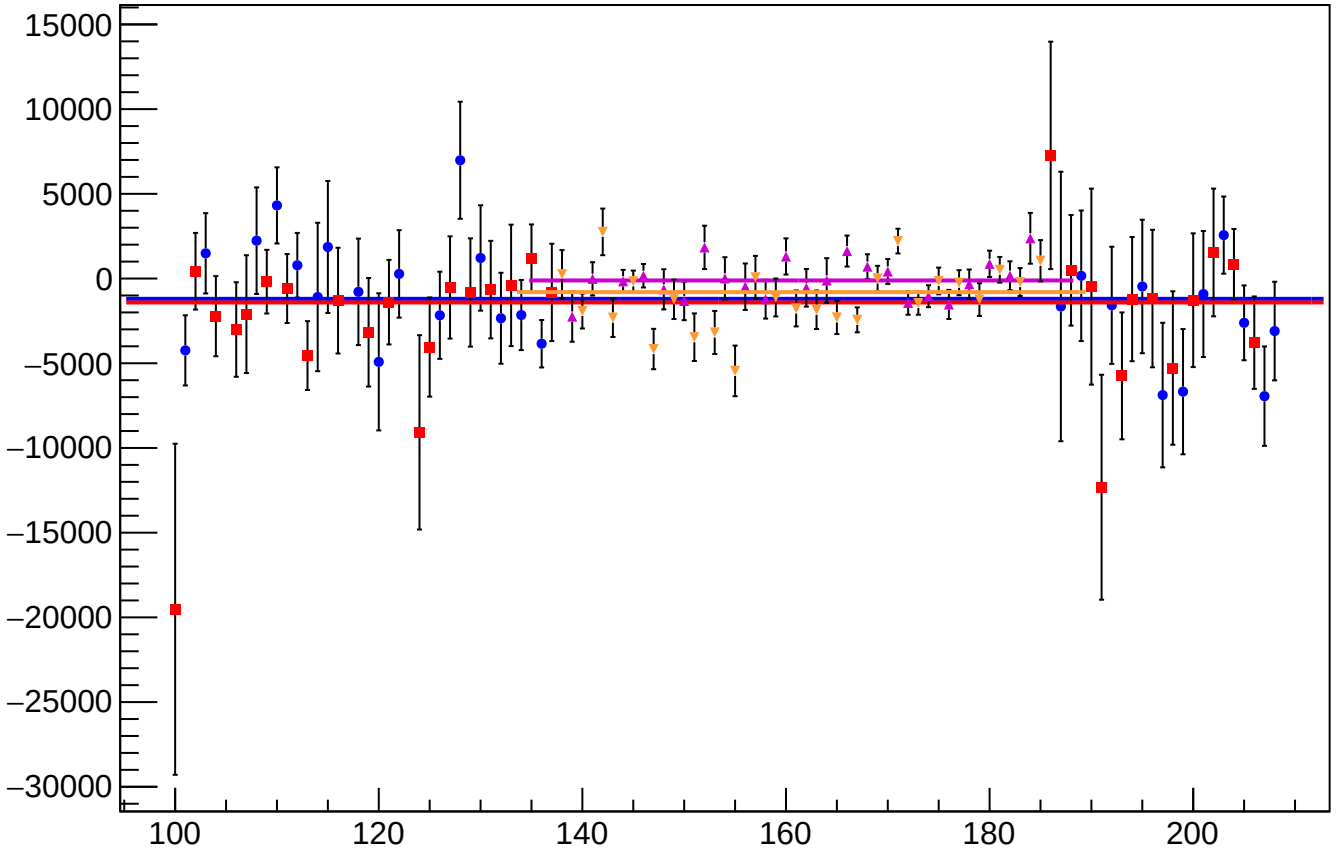
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 98.687+/-0.013 χ^2/NDF: 11030853.6/51

All: 99.337+/-0.009 χ^2/NDF: 23163134.0/105

- sign 100.028+/-0.013 χ^2/NDF: 12127109.2/53

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -1197.882+/-519.959 χ^2/NDF: 35.4/26

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

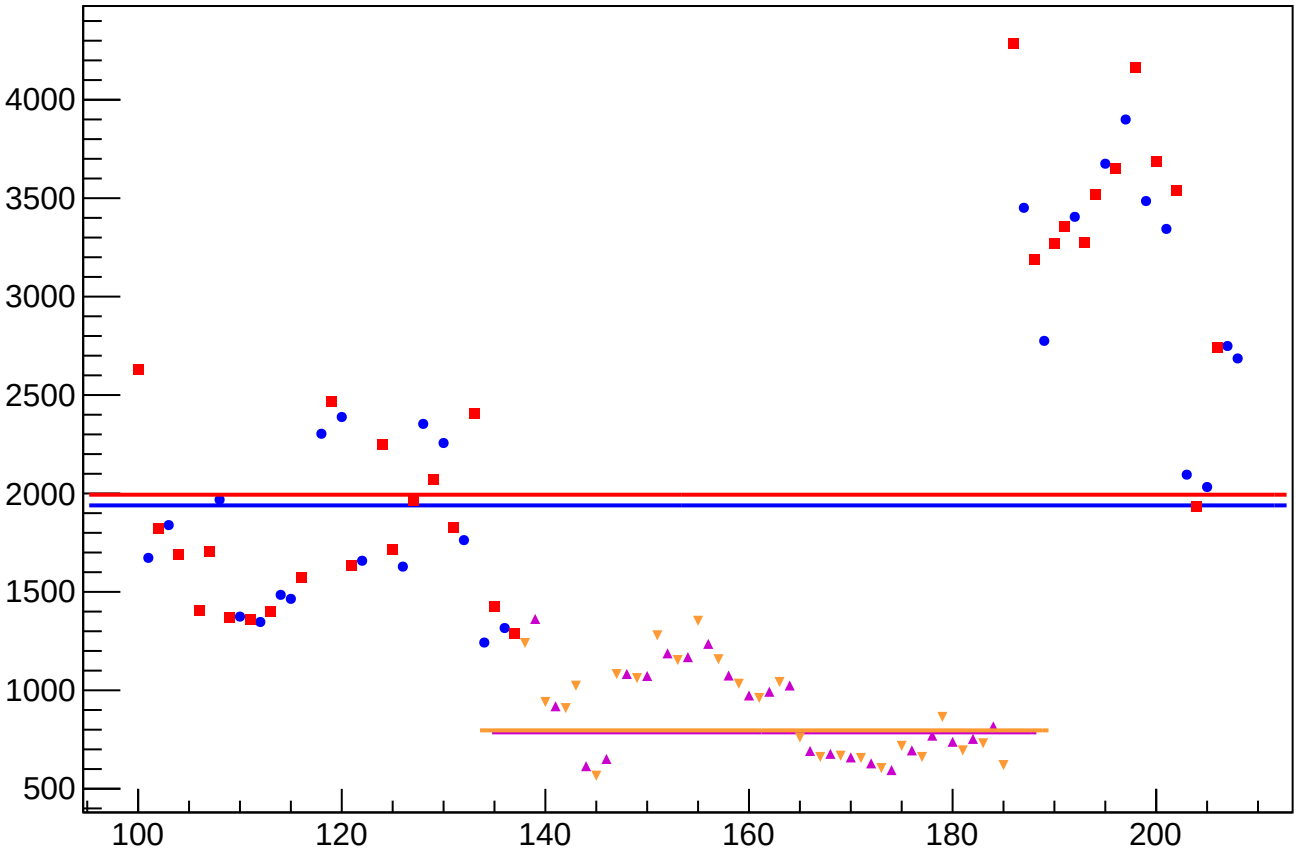
Right Out: -1411.678+/-529.143 χ^2/NDF: 21.8/30

Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -847.221+/-176.595 χ^2/NDF: 107.8/51

All: -558.267+/-125.729 χ^2/NDF: 167.5/105

- sign -261.235+/-179.046 χ^2/NDF: 54.2/53



Right In: 1939.364+/-0.368 χ^2/NDF: 3460036.5/26

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1993.676+/-0.374 χ^2/NDF: 4116633.5/30

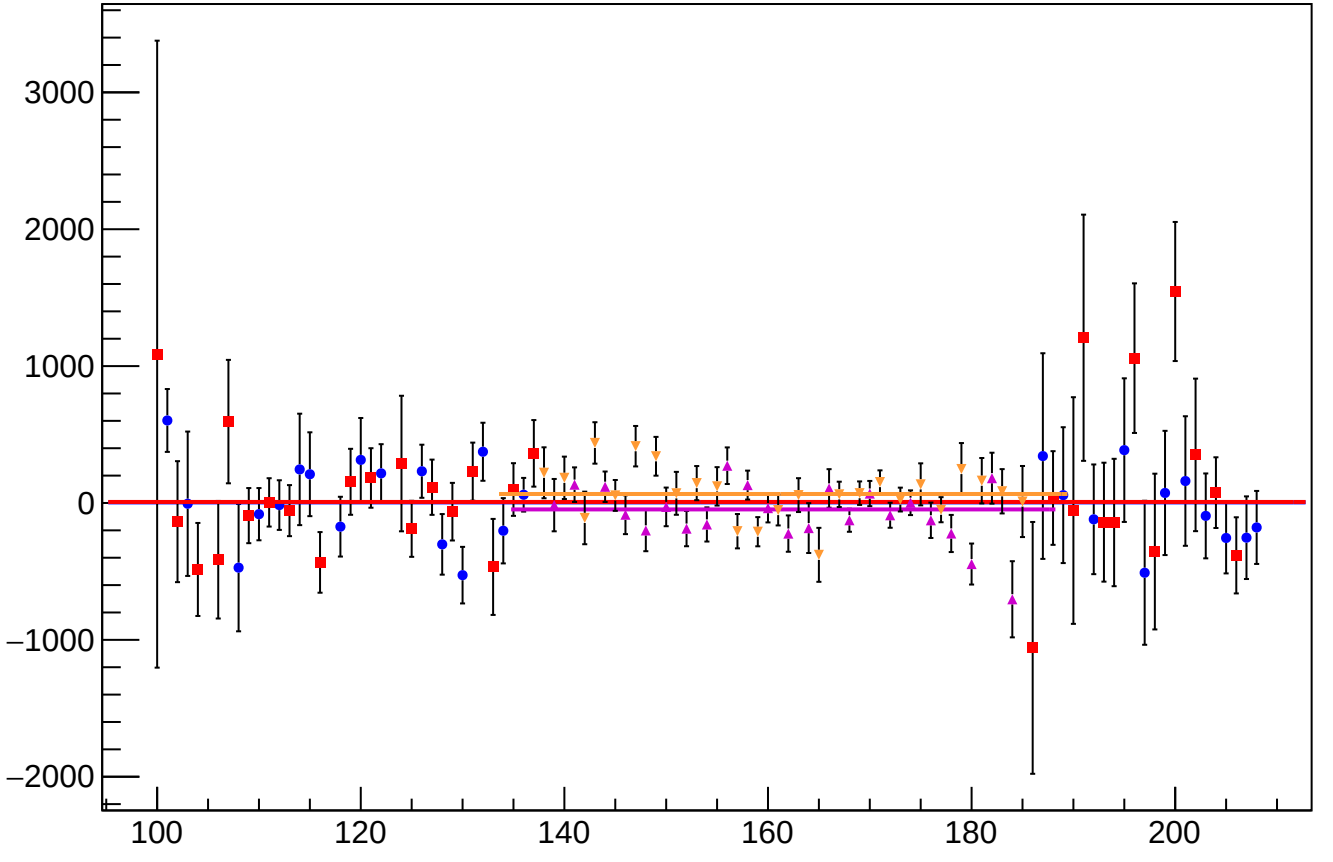
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 928.350+/-0.125 χ^2/NDF: 14425315.5/51

All: 926.486+/-0.089 χ^2/NDF: 29919069.2/10

- sign 924.569+/-0.127 χ^2/NDF: 15493301.7/53

dit_asym_sam3_mean vs Slug



Right In: 4.243+/-49.347 χ^2/NDF: 29.7/26

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 7.539+/-51.189 χ^2/NDF: 36.4/30

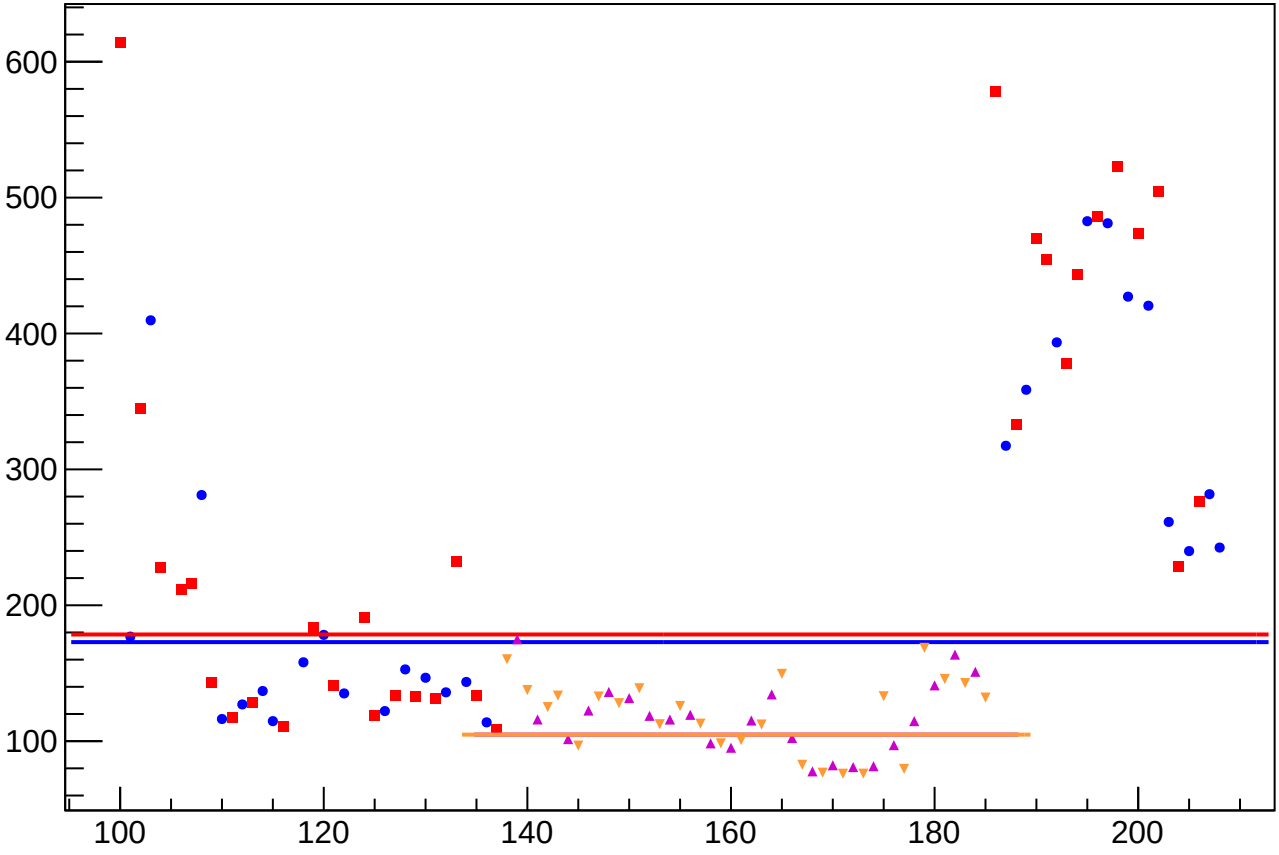
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

\+ sign 53.102+/-22.343 χ^2/NDF: 71.0/51

All: 9.747+/-16.014 χ^2/NDF: 154.6/105

\- sign -36.054+/-22.965 χ^2/NDF: 75.9/53

dit_asym_sam3_rms vs Slug



Right In: 172.892+/-0.035 χ^2/NDF: 5924687.5/26

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 178.508+/-0.036 χ^2/NDF: 7234549.9/30

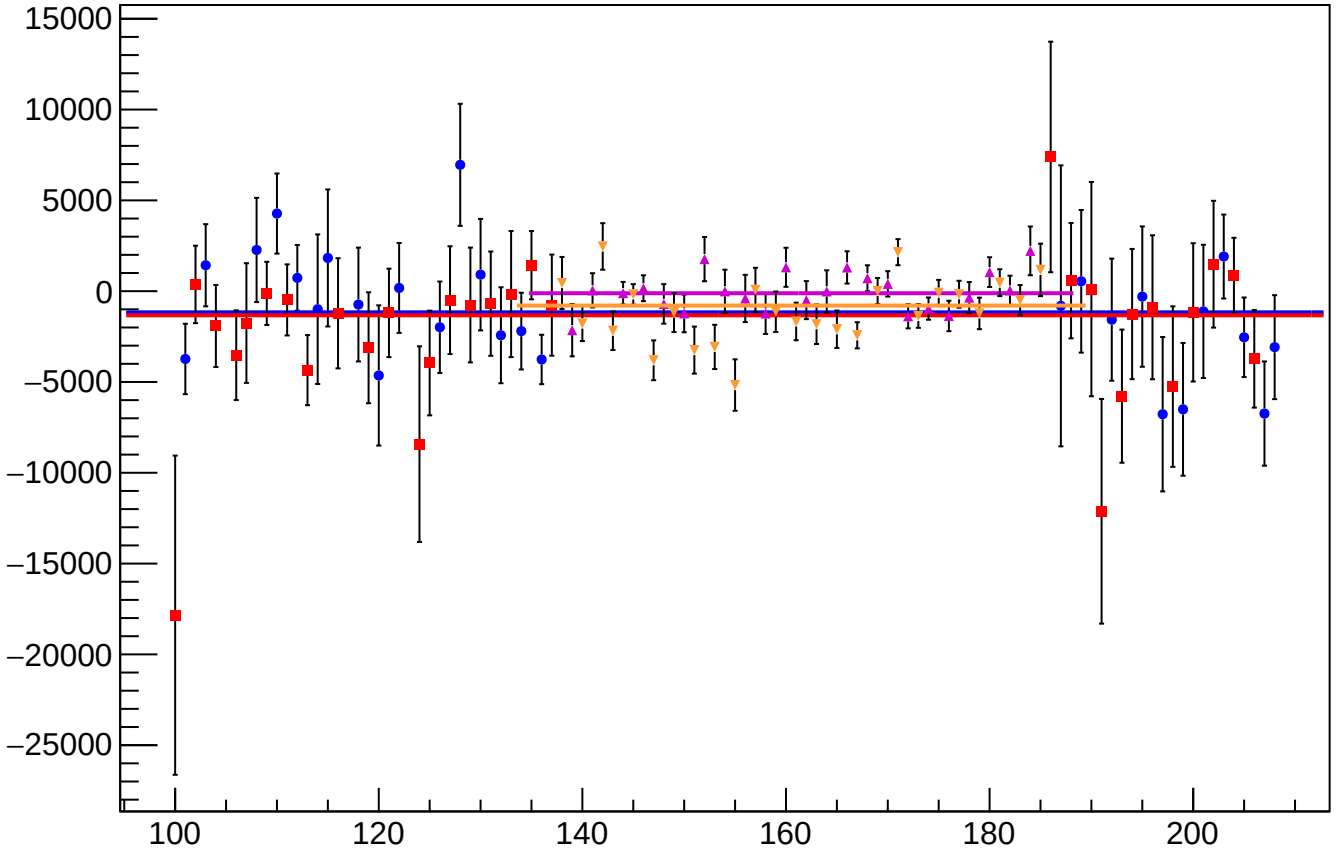
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 118.768+/-0.016 χ^2/NDF: 11193944.3/51

All: 119.203+/-0.011 χ^2/NDF: 23353484.5/10

- sign 119.663+/-0.016 χ^2/NDF: 12157979.2/53

asym_sam3_dit_correction_mean vs Slug



Right In: -1166.594+/-506.519 χ^2/NDF: 34.5/26

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1328.929+/-507.587 χ^2/NDF: 23.7/30

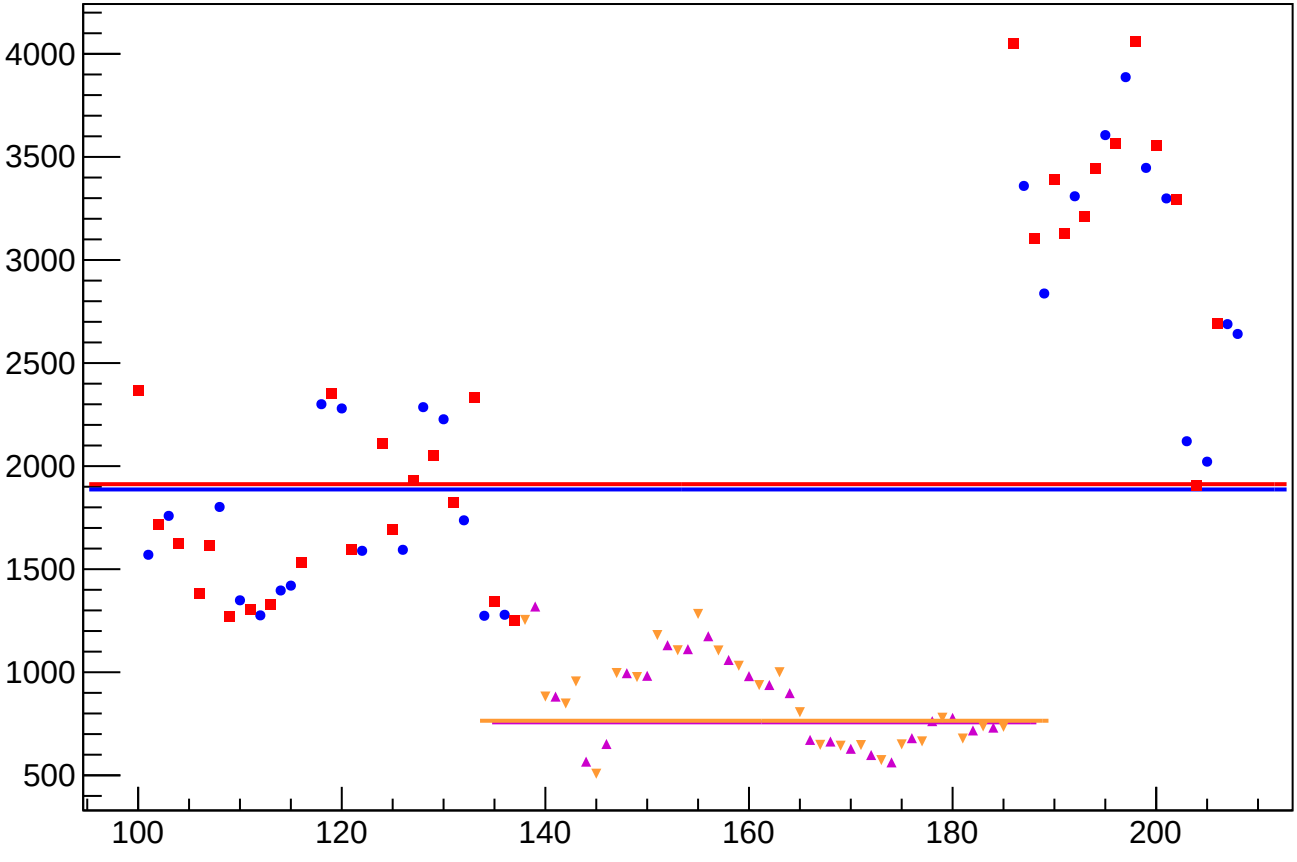
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -834.909+/-169.522 χ^2/NDF: 105.0/51

All: -548.927+/-120.826 χ^2/NDF: 165.9/105

- sign -253.639+/-172.258 χ^2/NDF: 55.1/53

asym_sam3_dit_correction_rms vs Slug



Right In: 1886.763+/-0.358 χ^2/NDF: 3577697.7/26

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1912.413+/-0.359 χ^2/NDF: 4265911.7/30

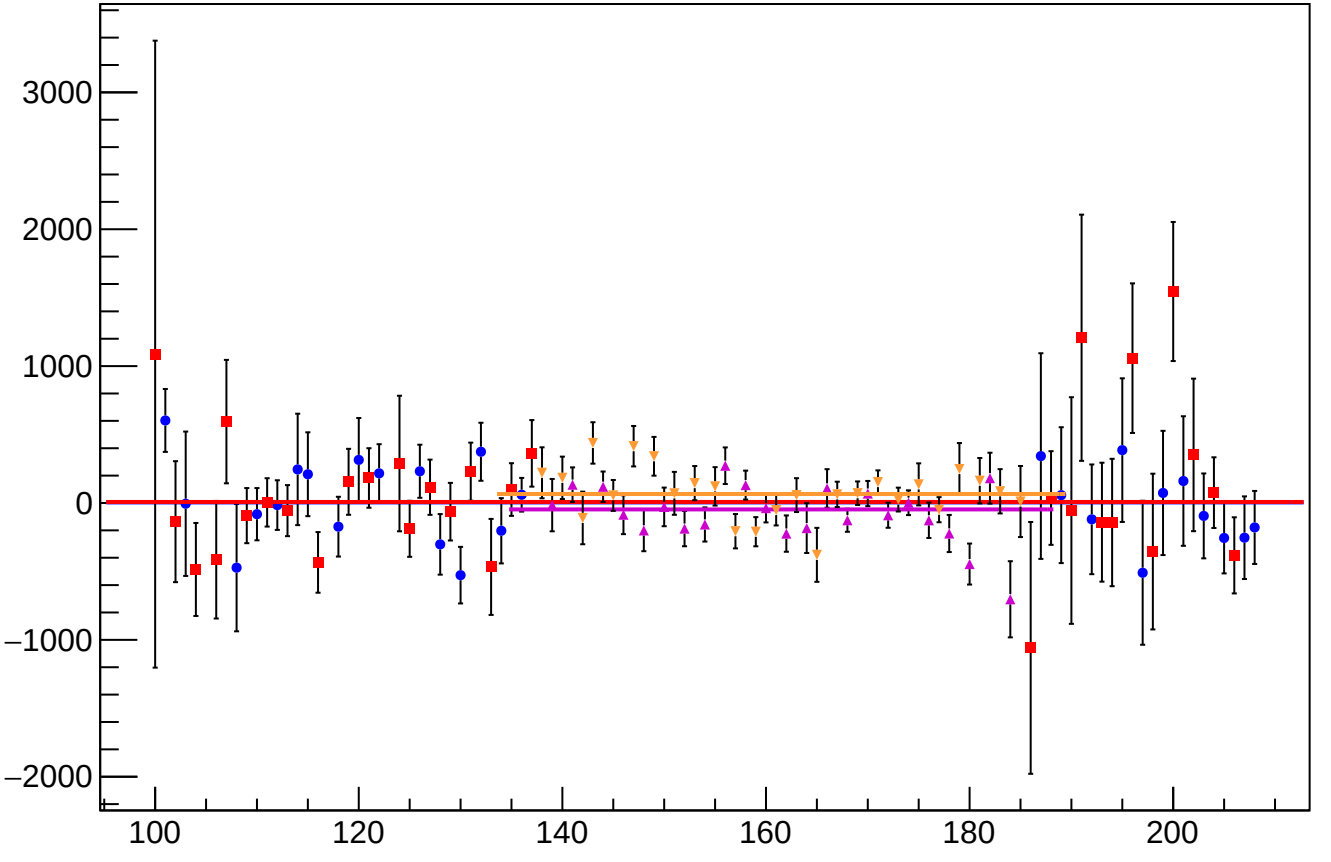
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 890.414+/-0.120 χ^2/NDF: 14717981.0/51

All: 890.212+/-0.085 χ^2/NDF: 30269783.9/10

- sign 890.003+/-0.122 χ^2/NDF: 15551797.2/53

eigen_dit_asym_sam3_mean vs Slug



Right In: 4.243+/-49.347 χ^2/NDF: 29.7/26

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 7.542+/-51.189 χ^2/NDF: 36.4/30

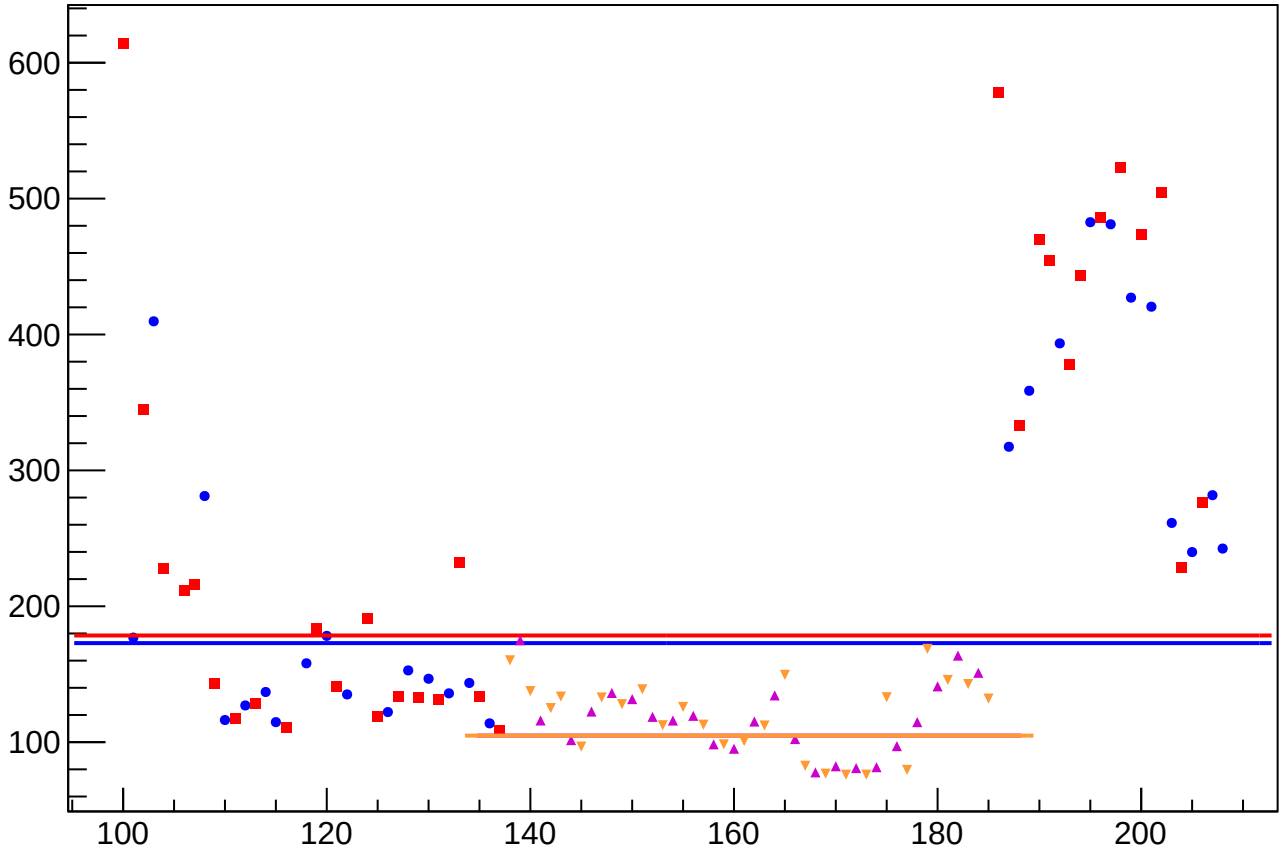
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

\+ sign 53.103+/-22.343 χ^2/NDF: 71.0/51

All: 9.748+/-16.014 χ^2/NDF: 154.6/105

\- sign -36.052+/-22.965 χ^2/NDF: 75.9/53

eigen_dit_asym_sam3_rms vs Slug



Right In: 172.892+/-0.035 χ^2/NDF: 5924677.6/26

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 178.508+/-0.036 χ^2/NDF: 7234537.3/30

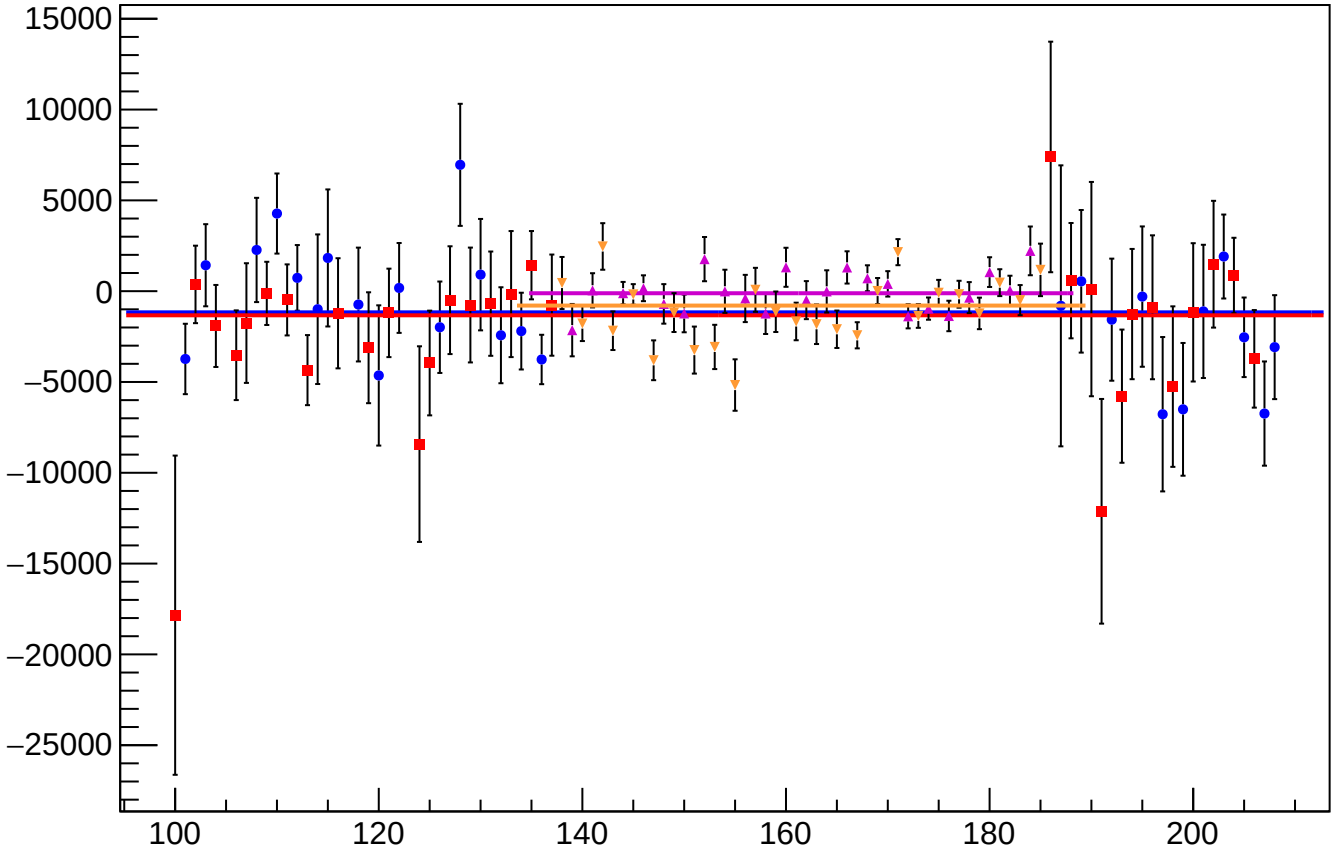
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 118.768+/-0.016 χ^2/NDF: 11193942.2/51

All: 119.203+/-0.011 χ^2/NDF: 23353484.4/10

- sign 119.663+/-0.016 χ^2/NDF: 12157981.3/53

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -1166.591+/-506.519 χ^2/NDF: 34.5/26

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1328.929+/-507.587 χ^2/NDF: 23.7/30

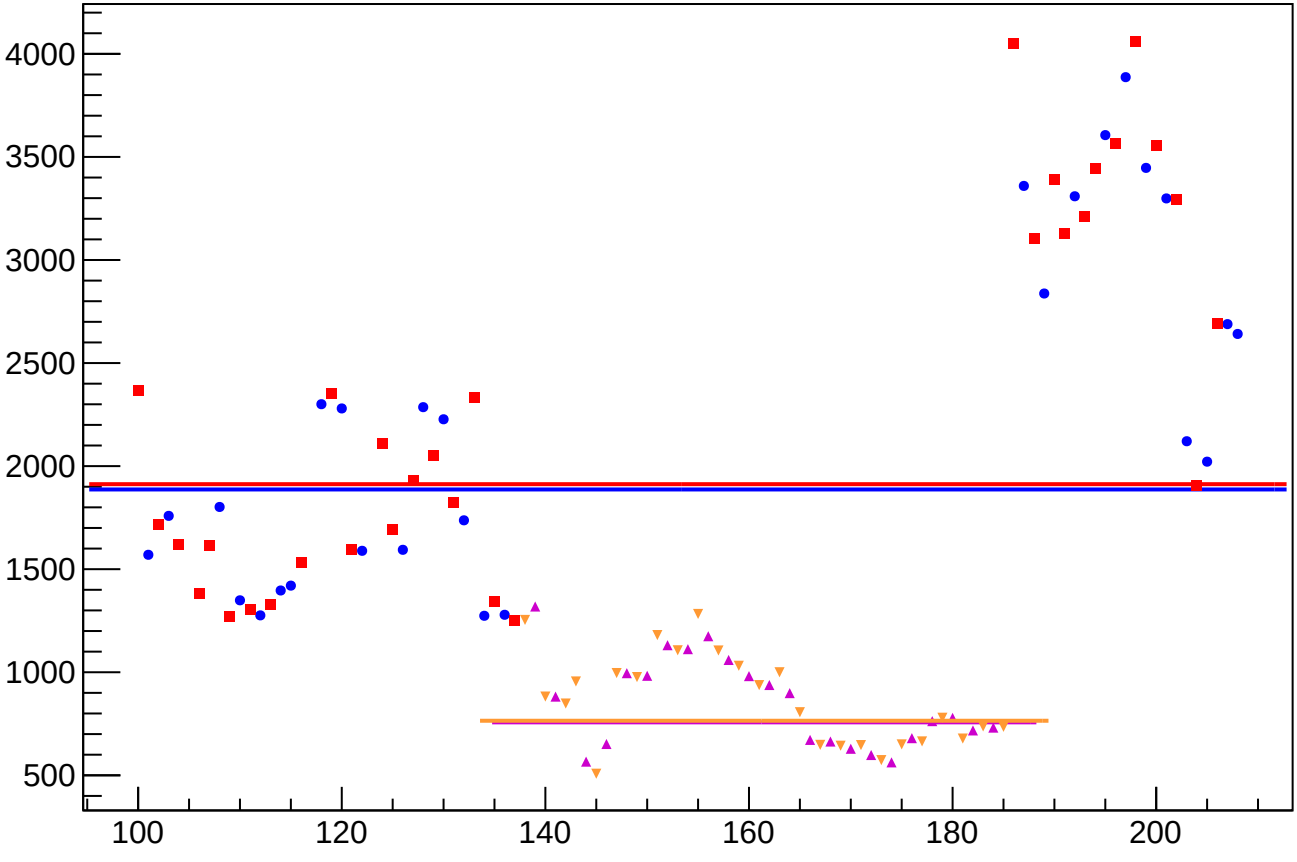
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -834.910+/-169.522 χ^2/NDF: 105.0/51

All: -548.927+/-120.826 χ^2/NDF: 165.9/105

- sign -253.639+/-172.258 χ^2/NDF: 55.1/53

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1886.762+/-0.358 χ^2/NDF: 3577697.2/26

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1912.410+/-0.359 χ^2/NDF: 4265911.3/30

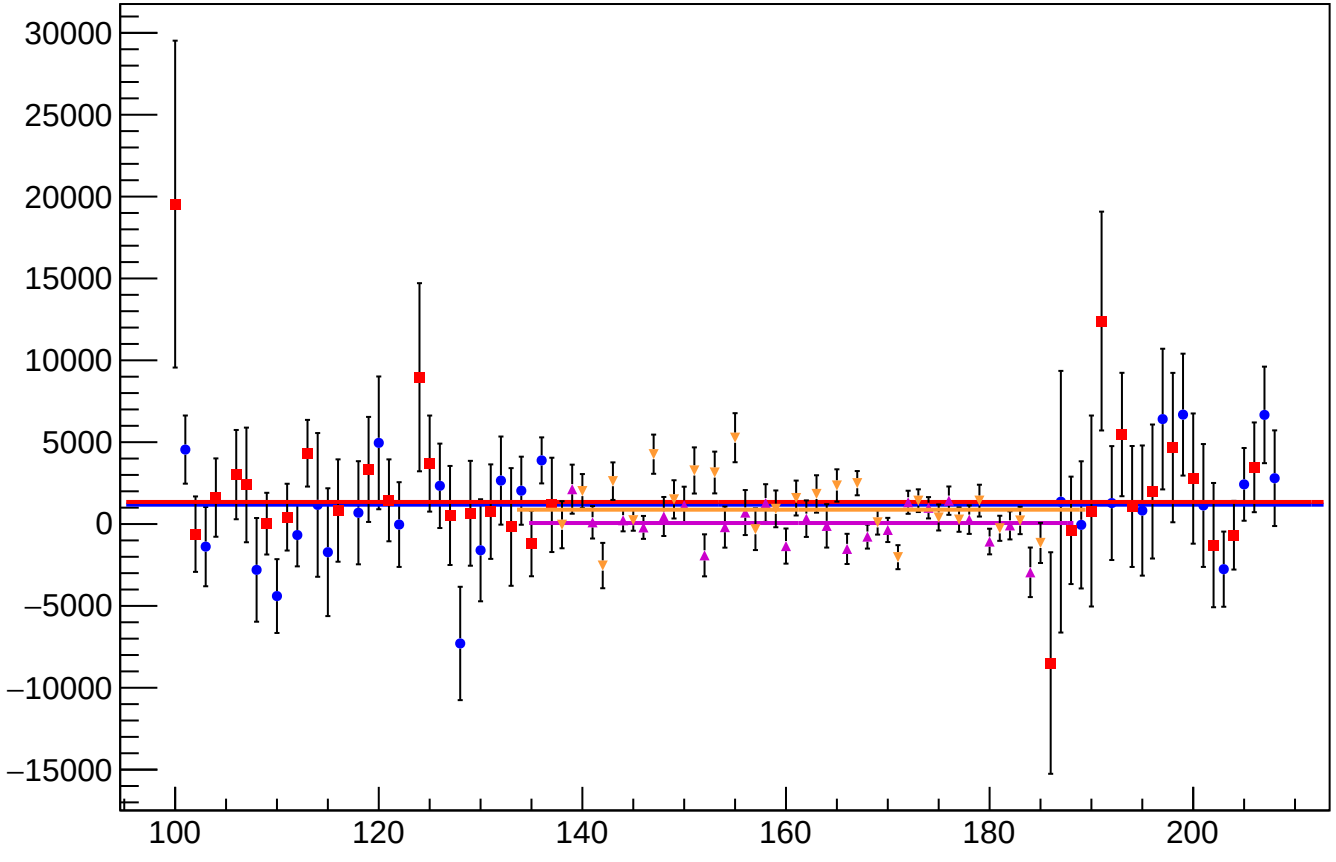
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 890.413+/-0.120 χ^2/NDF: 14717972.8/51

All: 890.211+/-0.085 χ^2/NDF: 30269764.4/10

- sign 890.002+/-0.122 χ^2/NDF: 15551785.8/53

asym_sam3_mean vs Slug



Right In: 1182.809+/-522.600 χ^2/NDF: 36.0/26

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1348.751+/-531.306 χ^2/NDF: 21.2/30

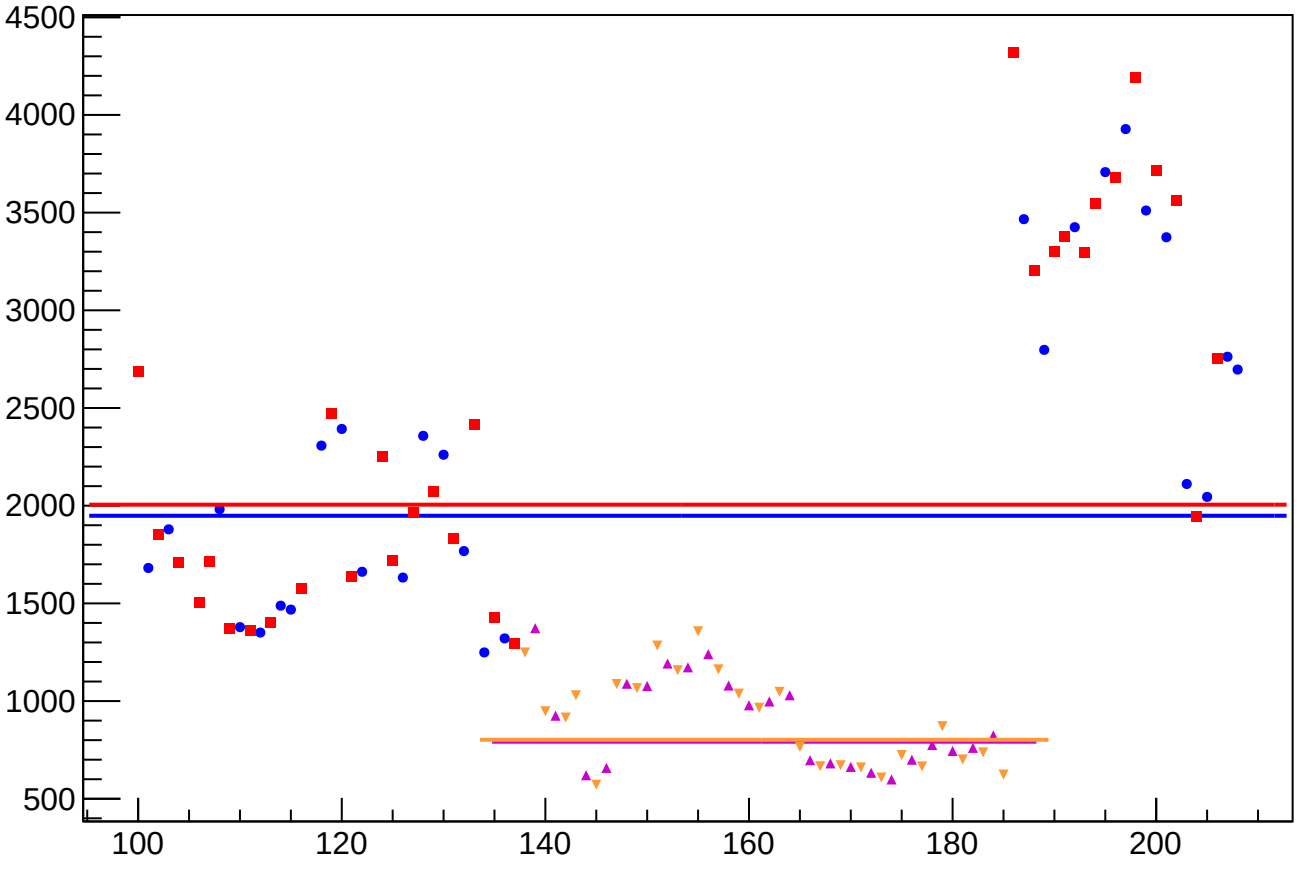
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 911.913+/-177.732 χ^2/NDF: 103.6/51

All: 566.230+/-126.551 χ^2/NDF: 164.7/105

- sign 210.743+/-180.235 χ^2/NDF: 53.5/53

asym_sam3_rms vs Slug



Right In: 1948.512+/-0.370 χ^2/NDF: 3479467.3/26

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

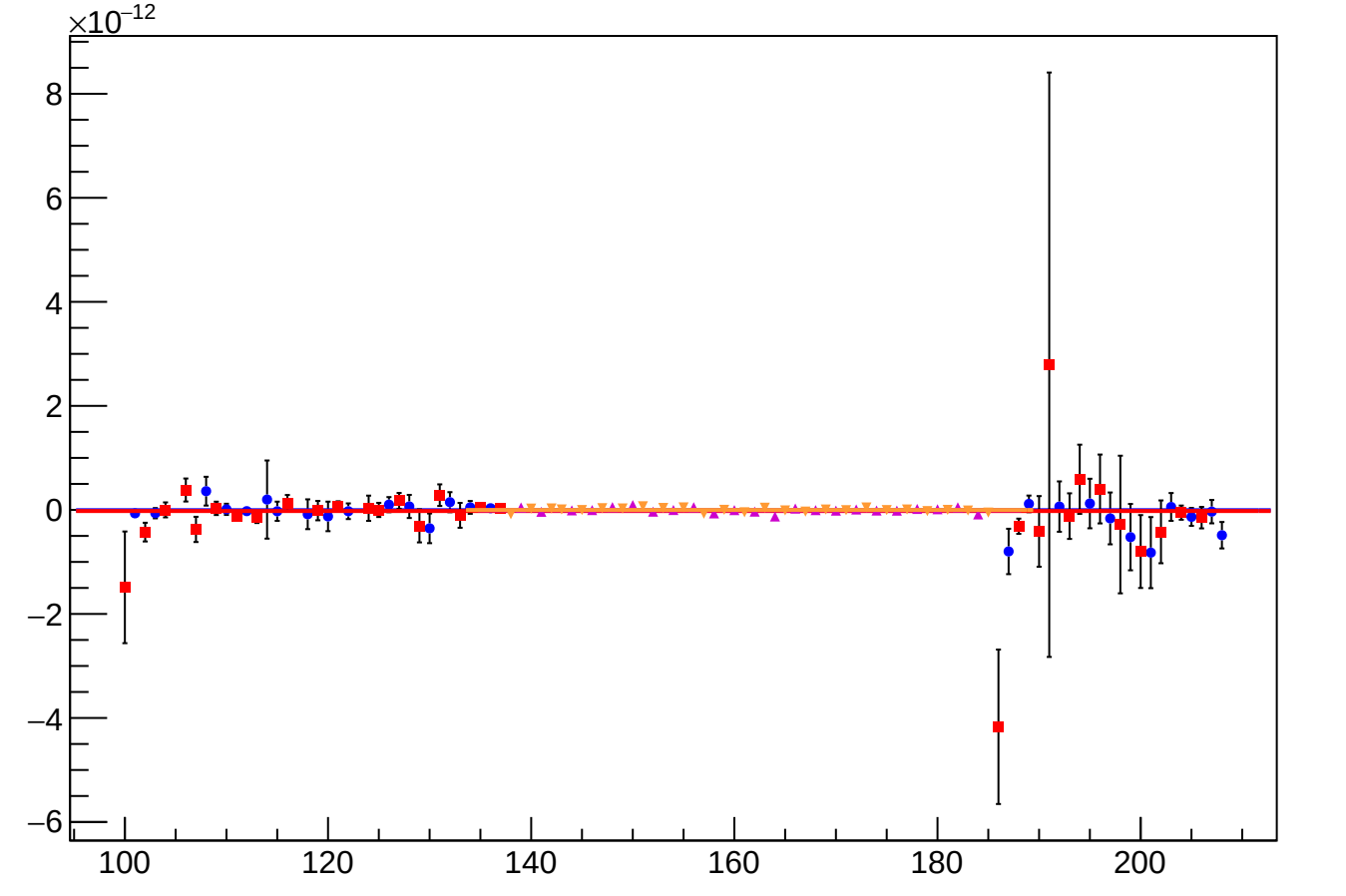
Right Out: 2005.217+/-0.376 χ^2/NDF: 4118469.0/30

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 934.622+/-0.126 χ^2/NDF: 14387969.2/51

All: 933.165+/-0.089 χ^2/NDF: 29869682.2/10

- sign 931.667+/-0.127 χ^2/NDF: 15481440.5/53



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

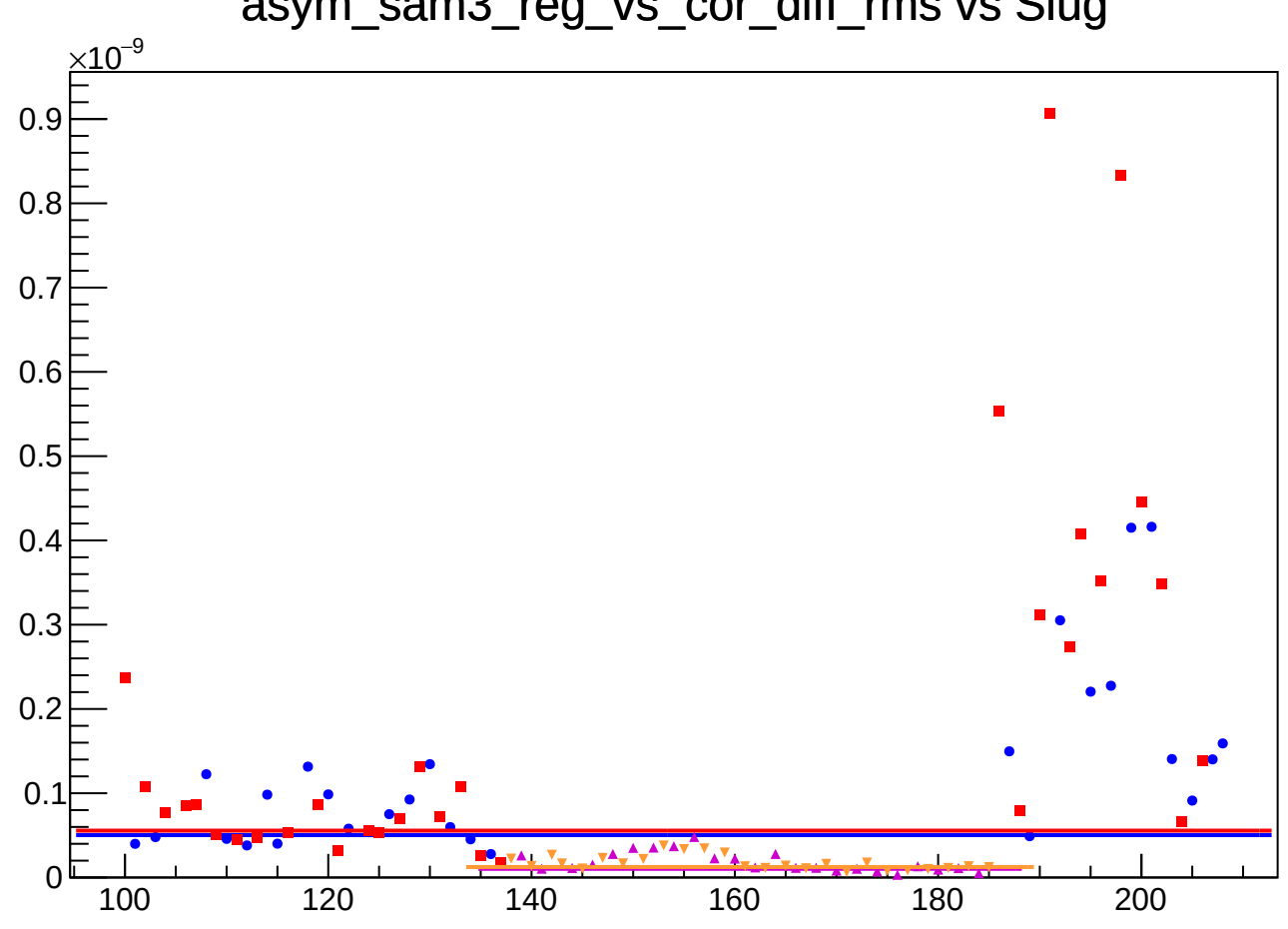
Right Out: -0.000+/-0.000 χ^2/NDF: 39.7/30

Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/51

All: -0.000+/-0.000 χ^2/NDF: 113.4/105

- sign -0.000+/-0.000 χ^2/NDF: 71.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 4744986.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5749181.8/30

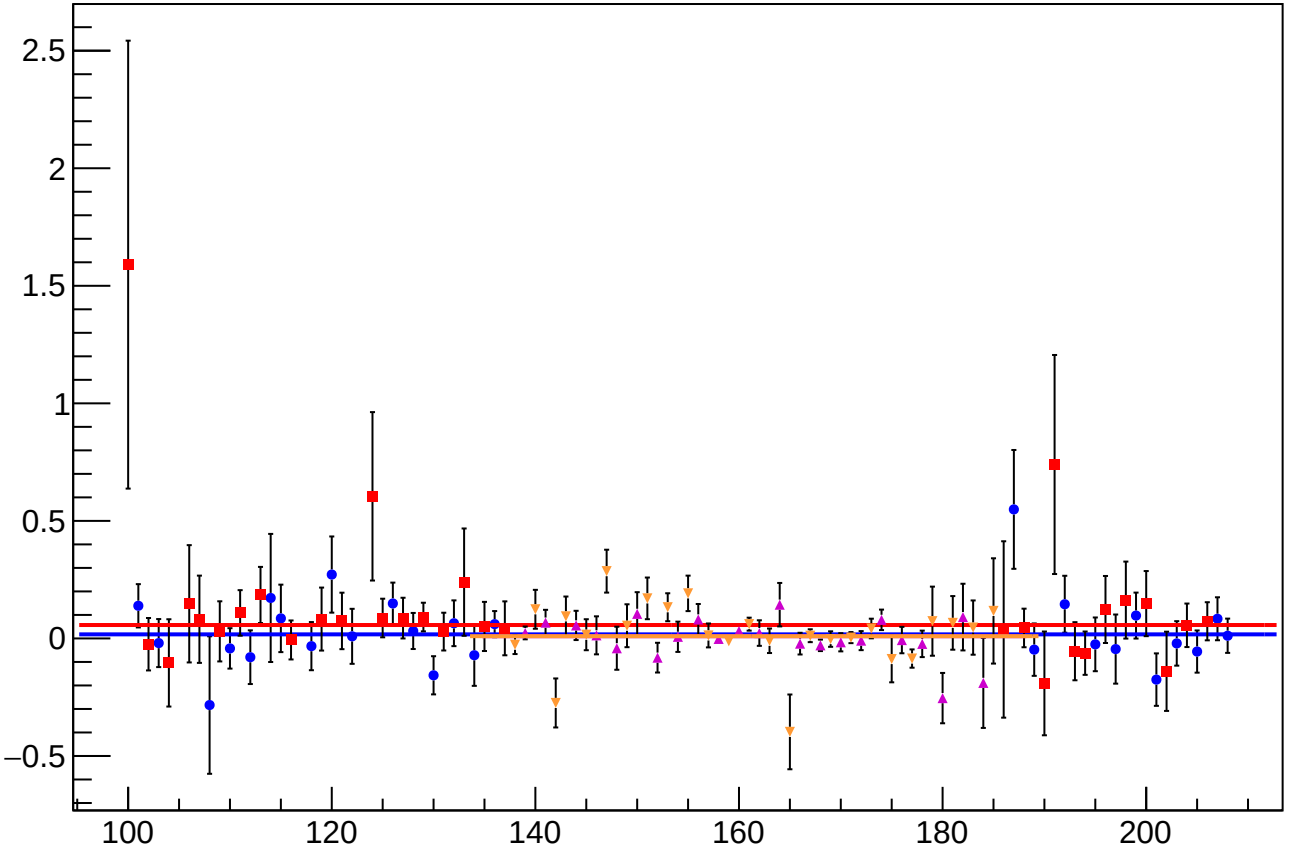
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11041933.3/51

All: 0.000+/-0.000 χ^2/NDF: 25600699.5/105

- sign 0.000+/-0.000 χ^2/NDF: 14336270.5/53

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.019 χ^2/NDF: 26.7/26

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.057+/-0.021 χ^2/NDF: 18.2/30

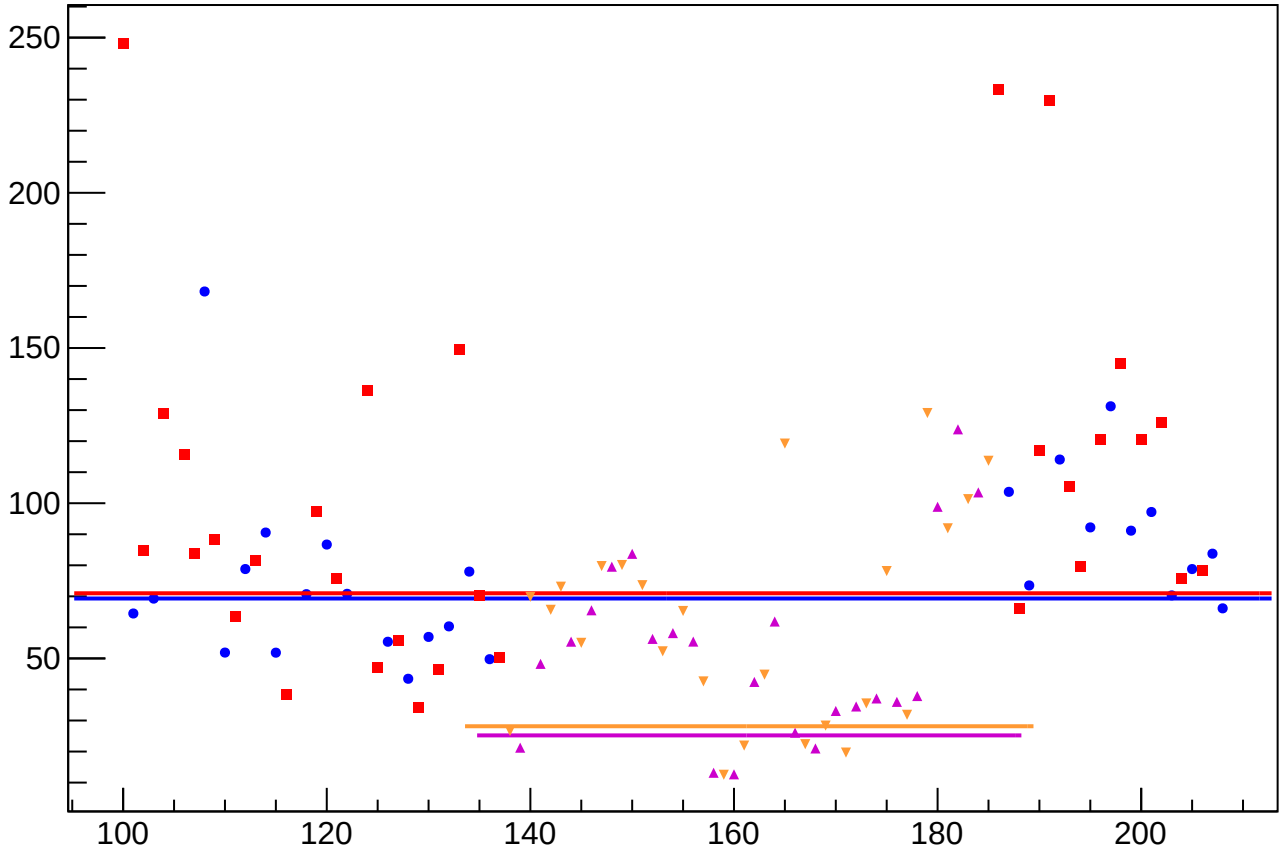
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 81.5/51

All: 0.013+/-0.005 χ^2/NDF: 129.8/105

- sign 0.016+/-0.007 χ^2/NDF: 48.1/53

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 69.305+/-0.014 χ^2/NDF: 2041213.0/26

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.990+/-0.015 χ^2/NDF: 4350214.7/30

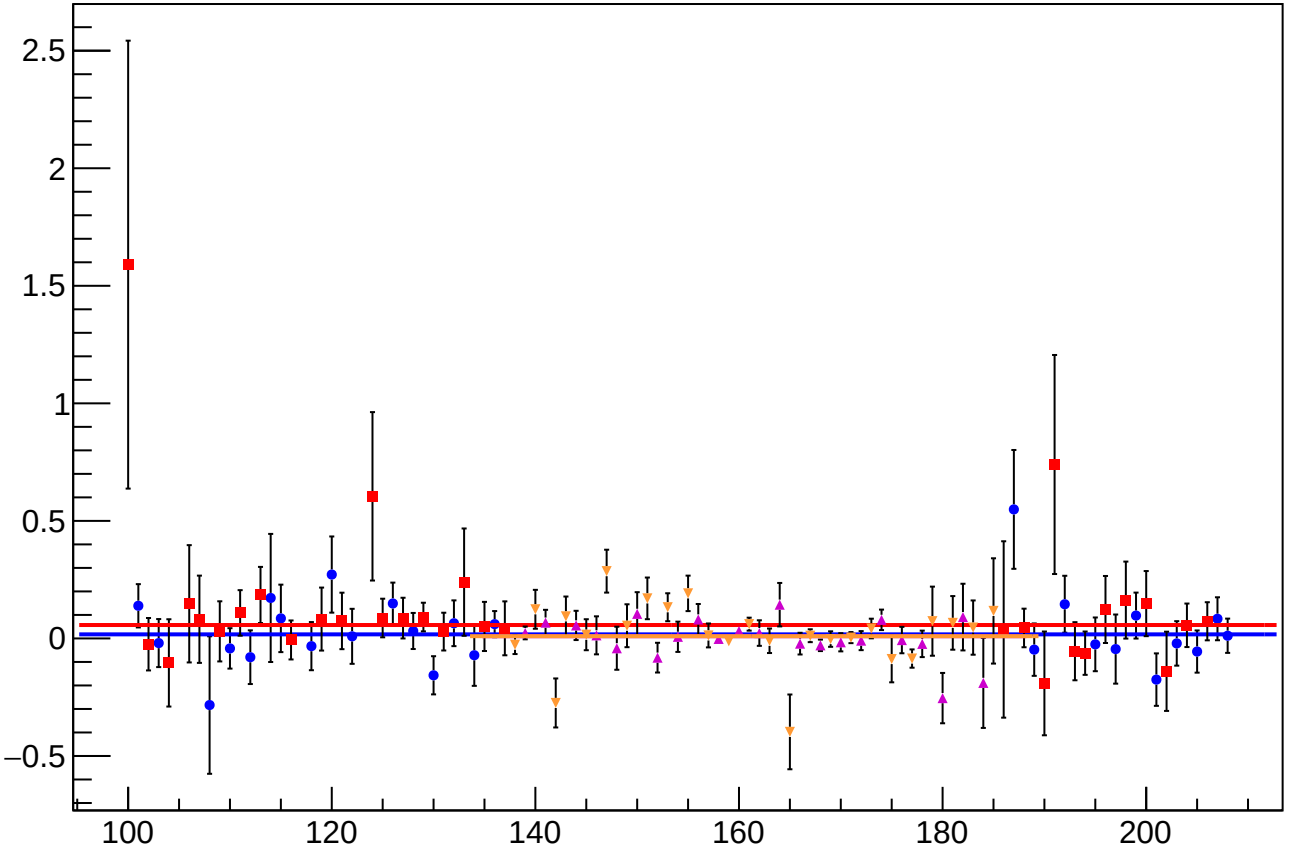
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 34.727+/-0.005 χ^2/NDF: 20678776.0/51

All: 32.849+/-0.004 χ^2/NDF: 43872655.4/105

- sign 31.141+/-0.005 χ^2/NDF: 22969672.6/53

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.019 χ^2/NDF: 26.7/26

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.057+/-0.021 χ^2/NDF: 18.2/30

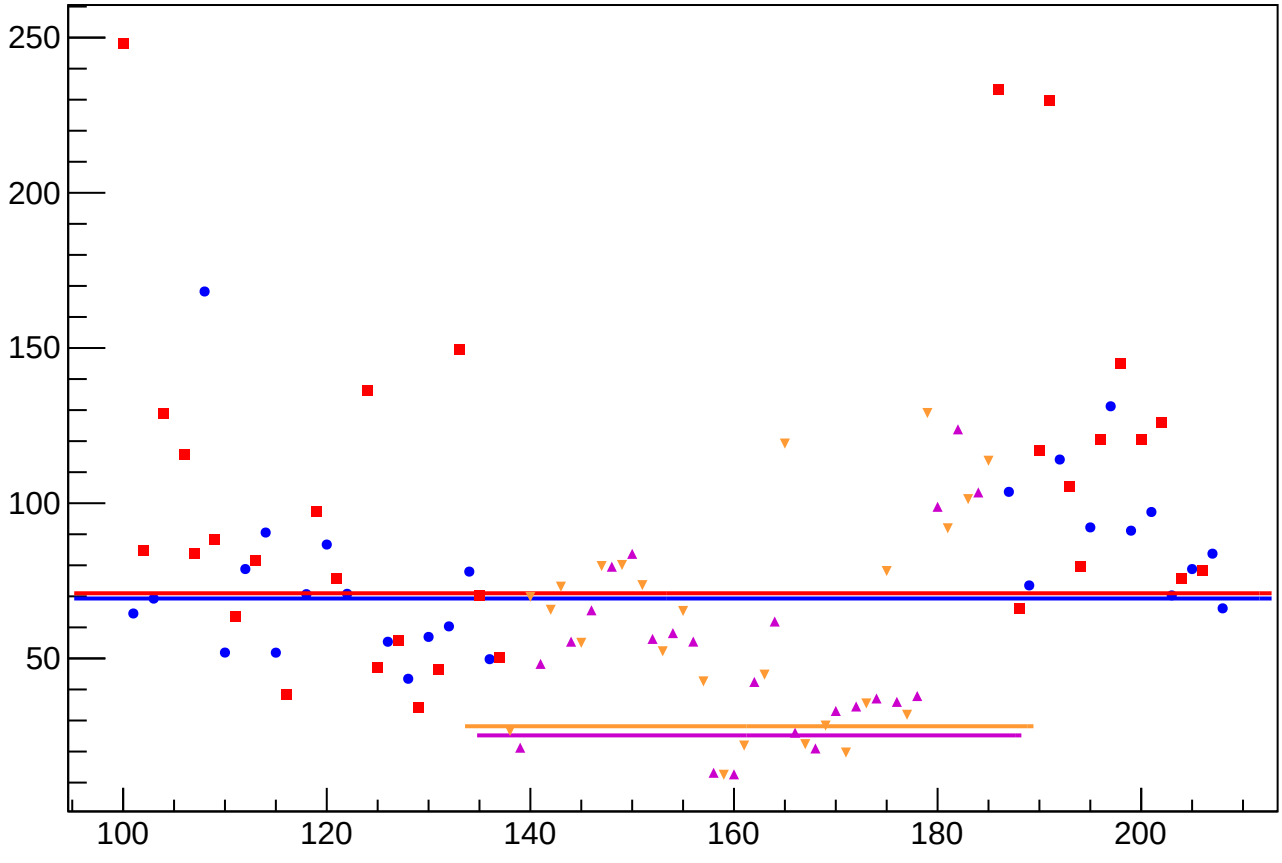
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 81.5/51

All: 0.013+/-0.005 χ^2/NDF: 129.8/105

- sign 0.016+/-0.007 χ^2/NDF: 48.1/53

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.305+/-0.014 χ^2/NDF: 2041213.0/26

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.990+/-0.015 χ^2/NDF: 4350214.7/30

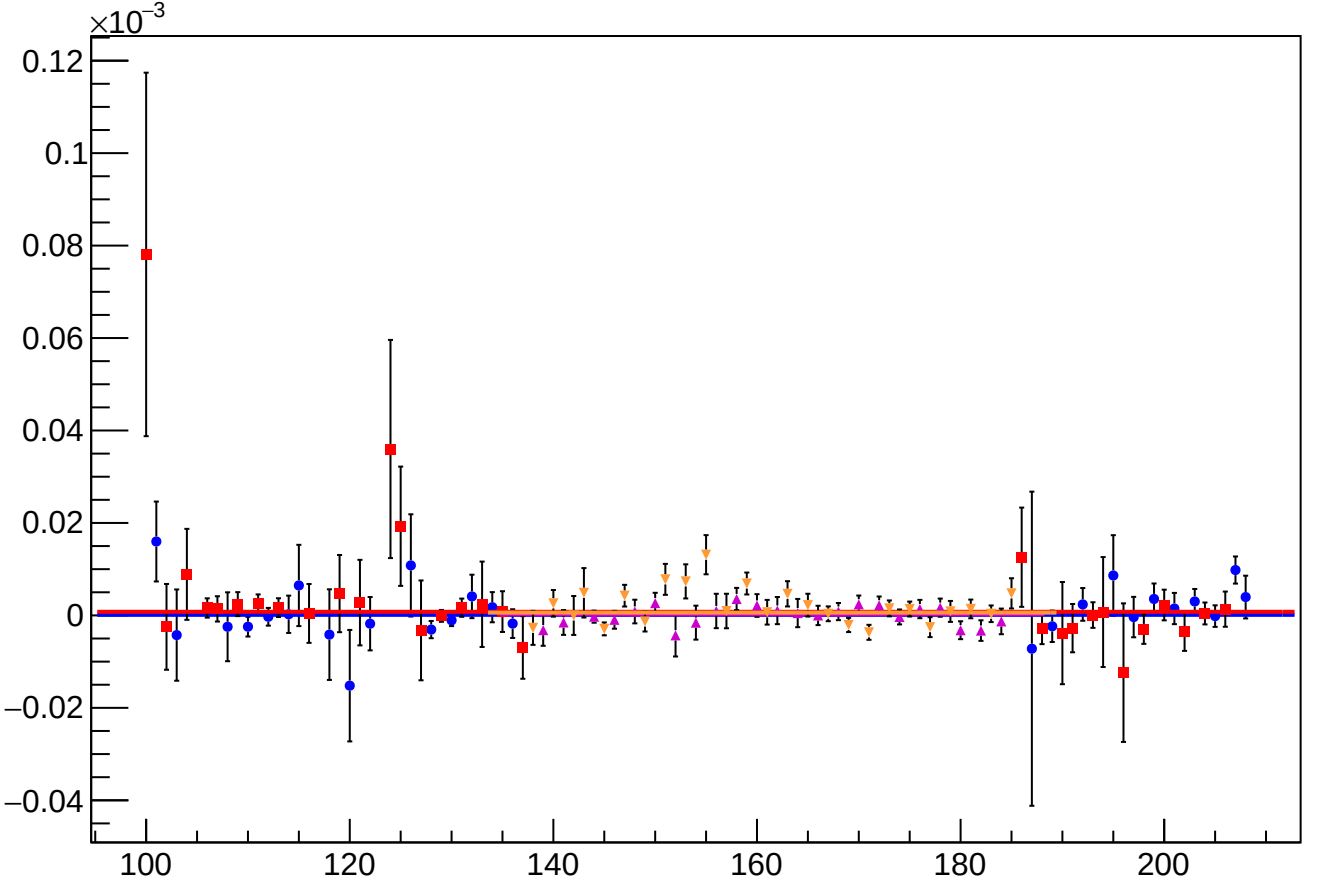
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 34.727+/-0.005 χ^2/NDF: 20678776.0/51

All: 32.849+/-0.004 χ^2/NDF: 43872655.4/105

- sign 31.141+/-0.005 χ^2/NDF: 22969672.6/53

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/30

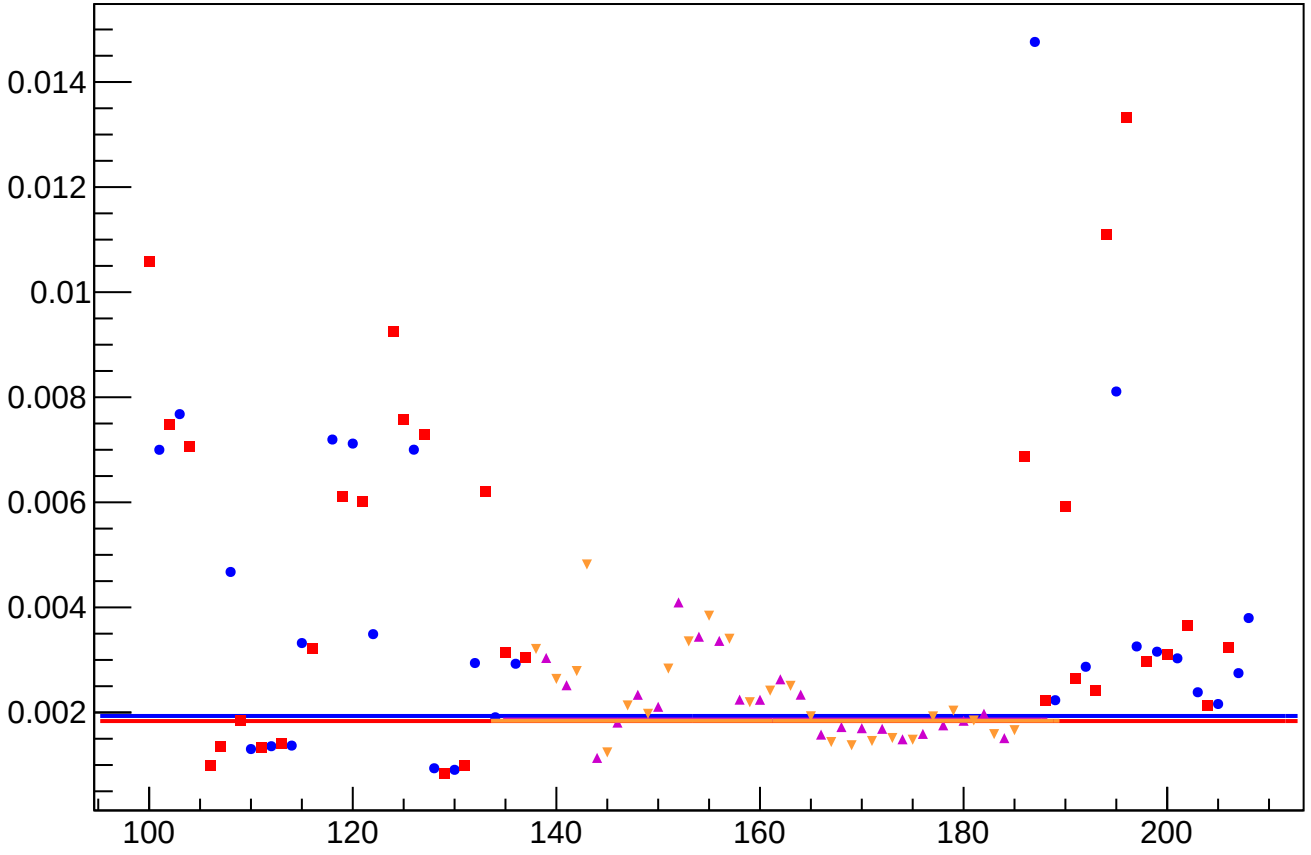
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

\+ sign 0.000+/-0.000 χ^2/NDF: 82.4/51

All: 0.000+/-0.000 χ^2/NDF: 118.9/105

\- sign 0.000+/-0.000 χ^2/NDF: 36.5/53

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 8460860.7/26

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10906803.4/30

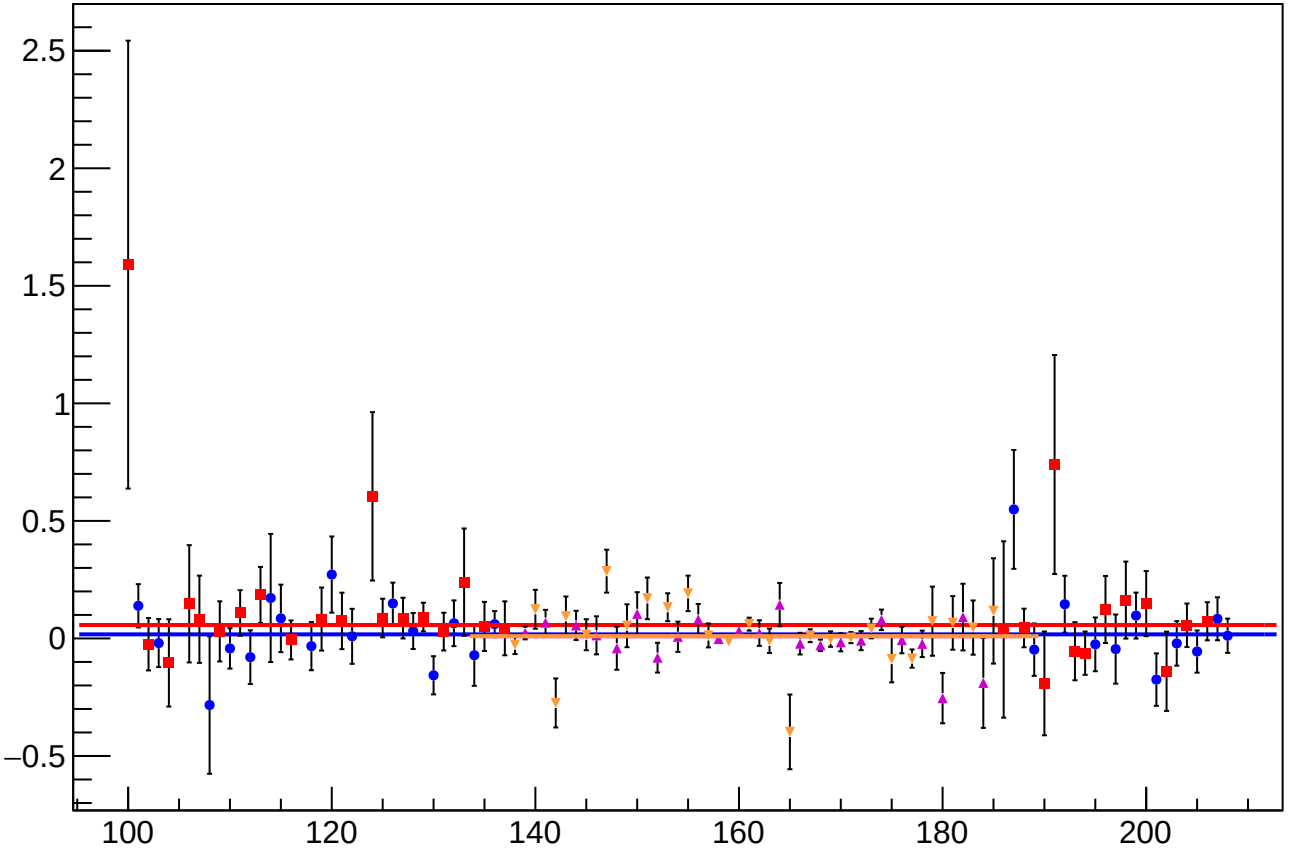
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 12273011.8/51

All: 0.002+/-0.000 χ^2/NDF: 25980061.8/105

- sign 0.002+/-0.000 χ^2/NDF: 13703816.5/53

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.019 χ^2/NDF: 26.7/26

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.057+/-0.021 χ^2/NDF: 18.2/30

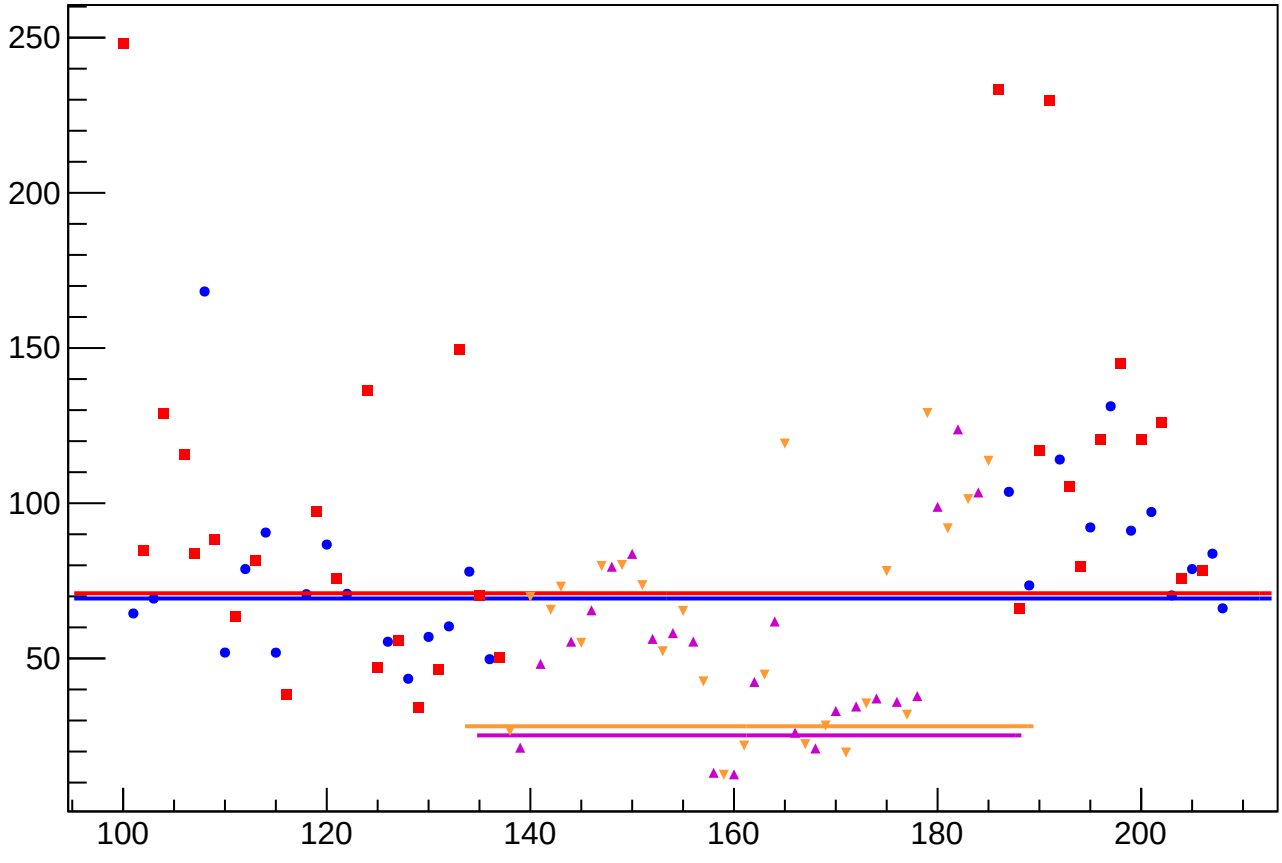
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 81.5/51

All: 0.013+/-0.005 χ^2/NDF: 129.8/105

- sign 0.016+/-0.007 χ^2/NDF: 48.1/53

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.305+/-0.014 χ^2/NDF: 2041194.7/26

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.992+/-0.015 χ^2/NDF: 4350236.9/30

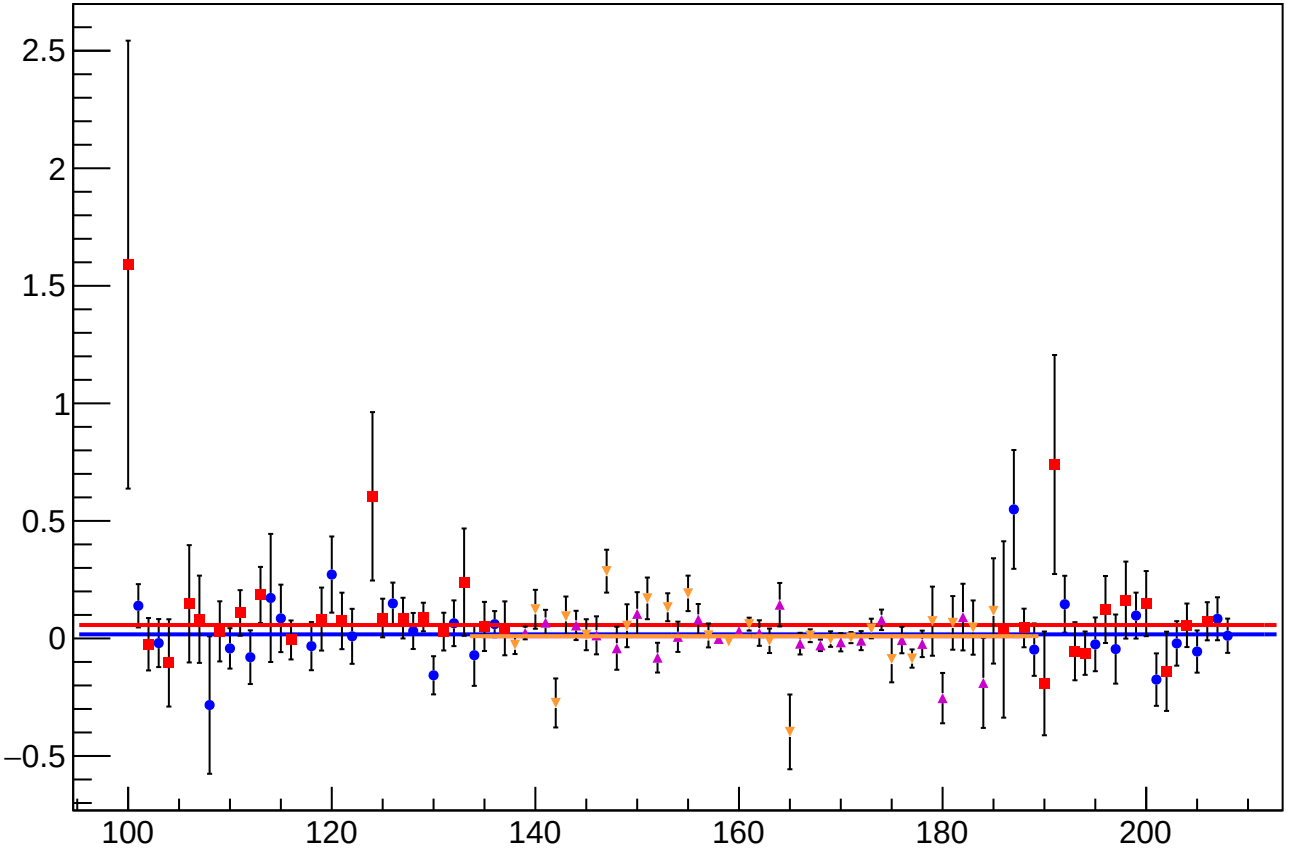
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

\+ sign 34.726+/-0.005 χ^2/NDF: 20680397.8/51

All: 32.848+/-0.004 χ^2/NDF: 43875064.2/105

\- sign 31.140+/-0.005 χ^2/NDF: 22970563.9/53

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.019 χ^2/NDF: 26.7/26

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.057+/-0.021 χ^2/NDF: 18.2/30

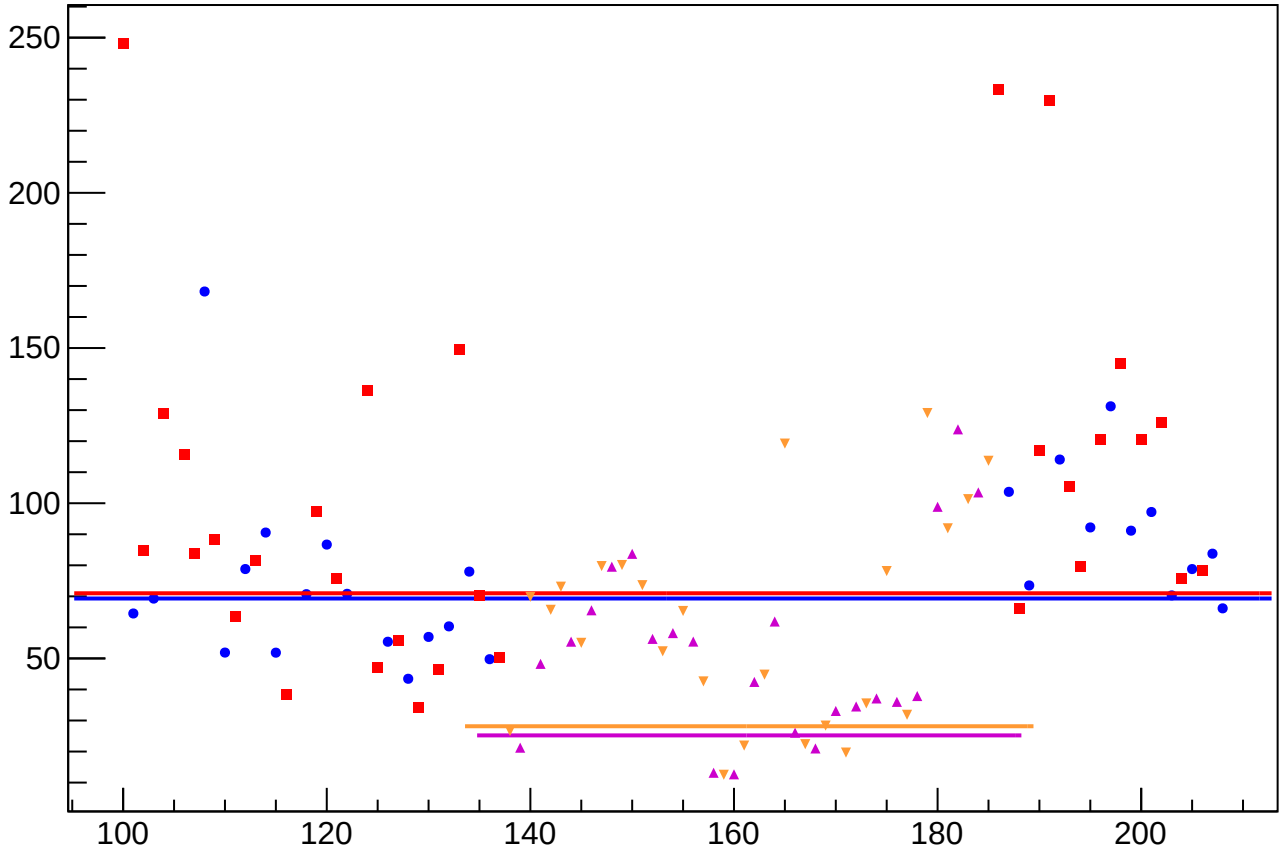
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 81.5/51

All: 0.013+/-0.005 χ^2/NDF: 129.8/105

- sign 0.016+/-0.007 χ^2/NDF: 48.1/53

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.305+/-0.014 χ^2/NDF: 2041194.7/26

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

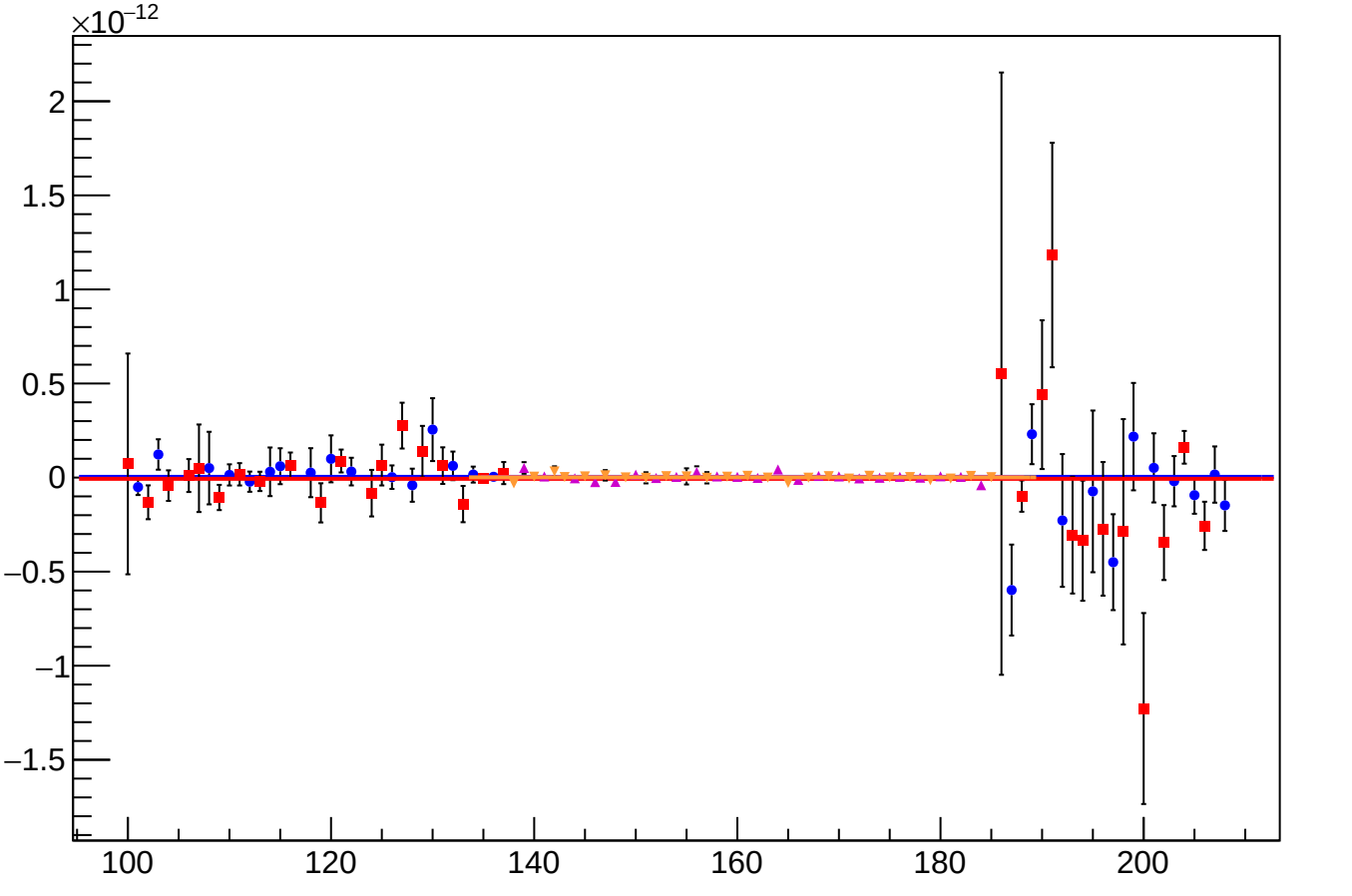
Right Out: 70.992+/-0.015 χ^2/NDF: 4350236.9/30

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

\+ sign 34.726+/-0.005 χ^2/NDF: 20680397.8/51

All: 32.848+/-0.004 χ^2/NDF: 43875064.2/105

\- sign 31.140+/-0.005 χ^2/NDF: 22970563.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/30

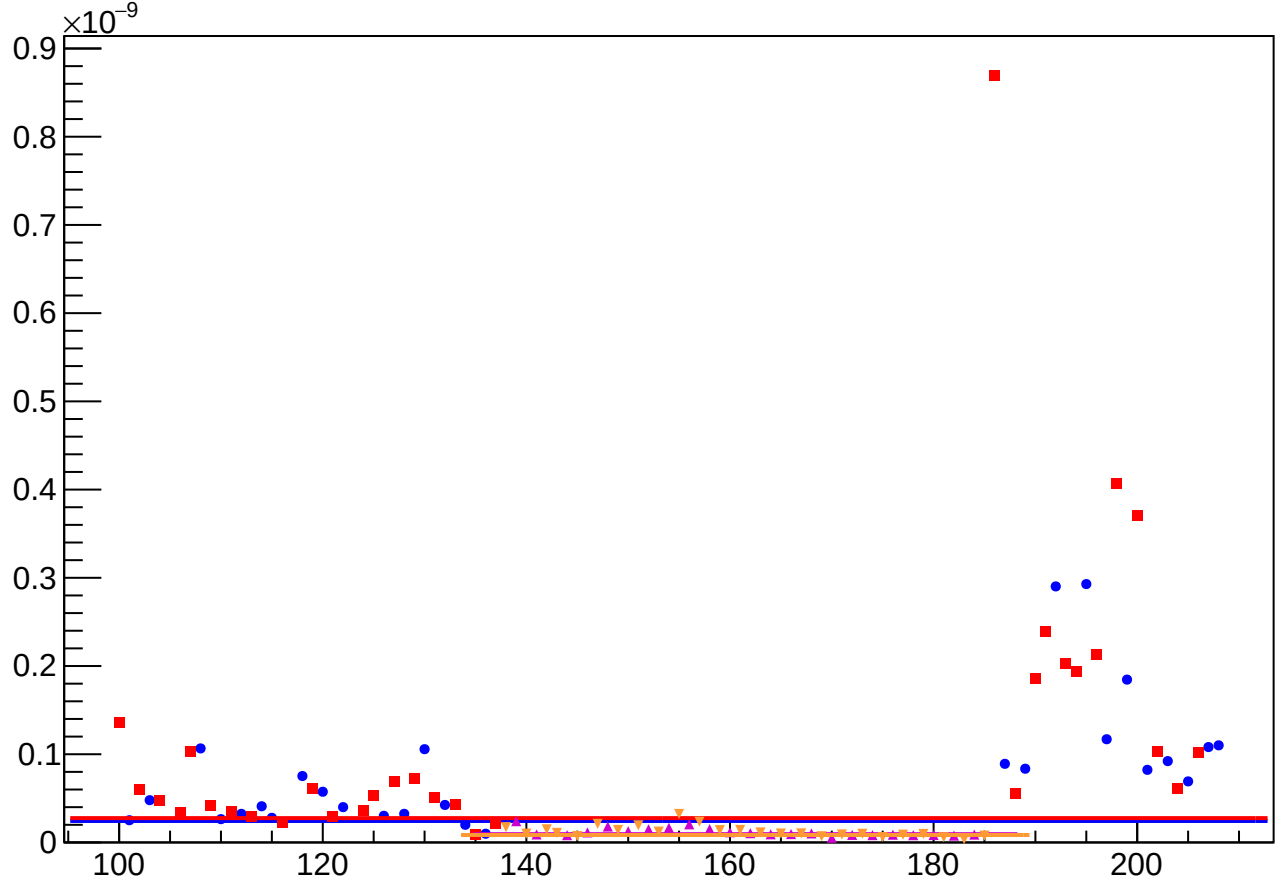
Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.5/51

All: 0.000+/-0.000 χ^2/NDF: 101.1/105

- sign 0.000+/-0.000 χ^2/NDF: 66.6/53

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9150831.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9807482.0/30

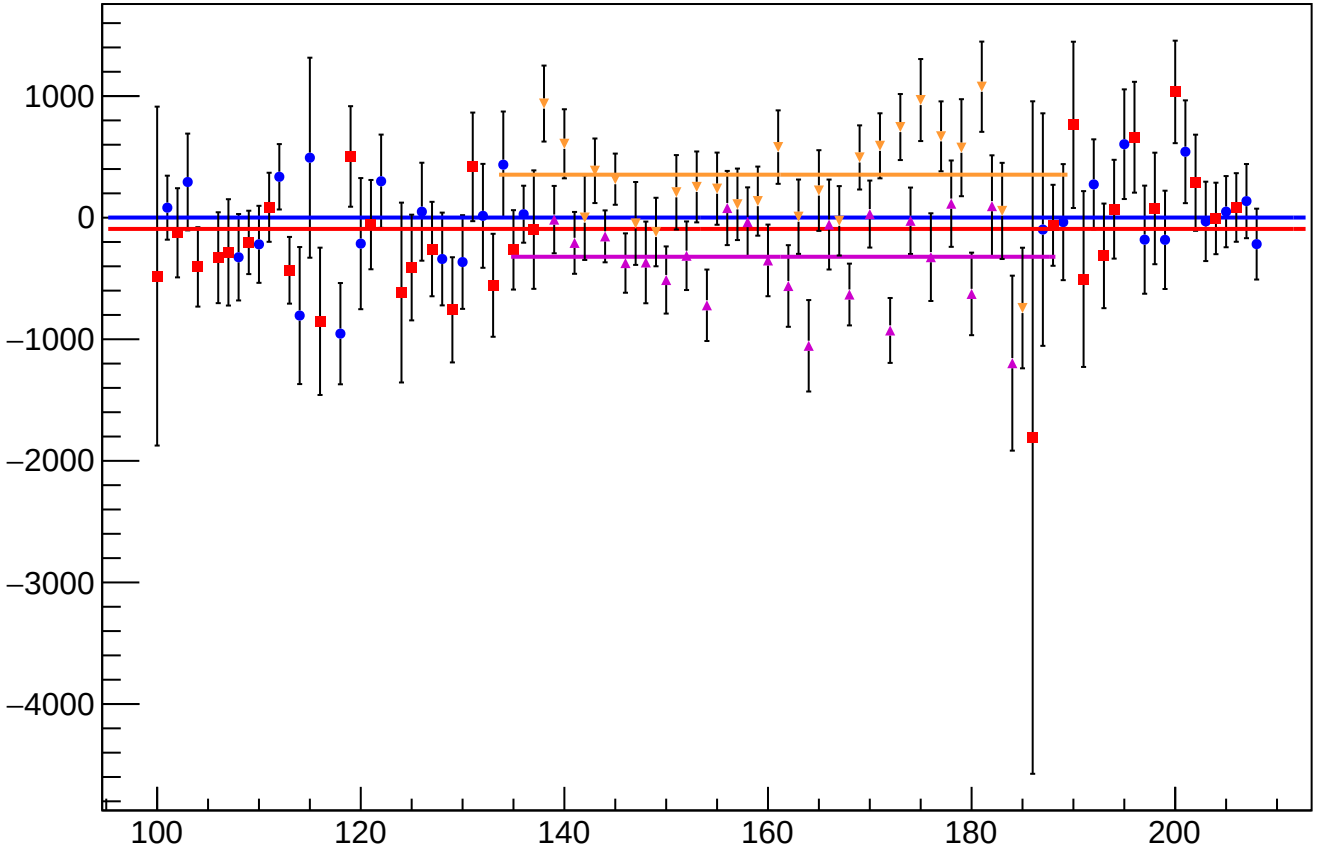
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 16934337.7/51

All: 0.000+/-0.000 χ^2/NDF: 32723352.2/105

- sign 0.000+/-0.000 χ^2/NDF: 15659078.3/53

reg_asym_sam4_mean vs Slug



Right In: 1.044+/-70.743 χ^2/NDF: 19.8/26

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -92.539+/-70.746 χ^2/NDF: 27.9/30

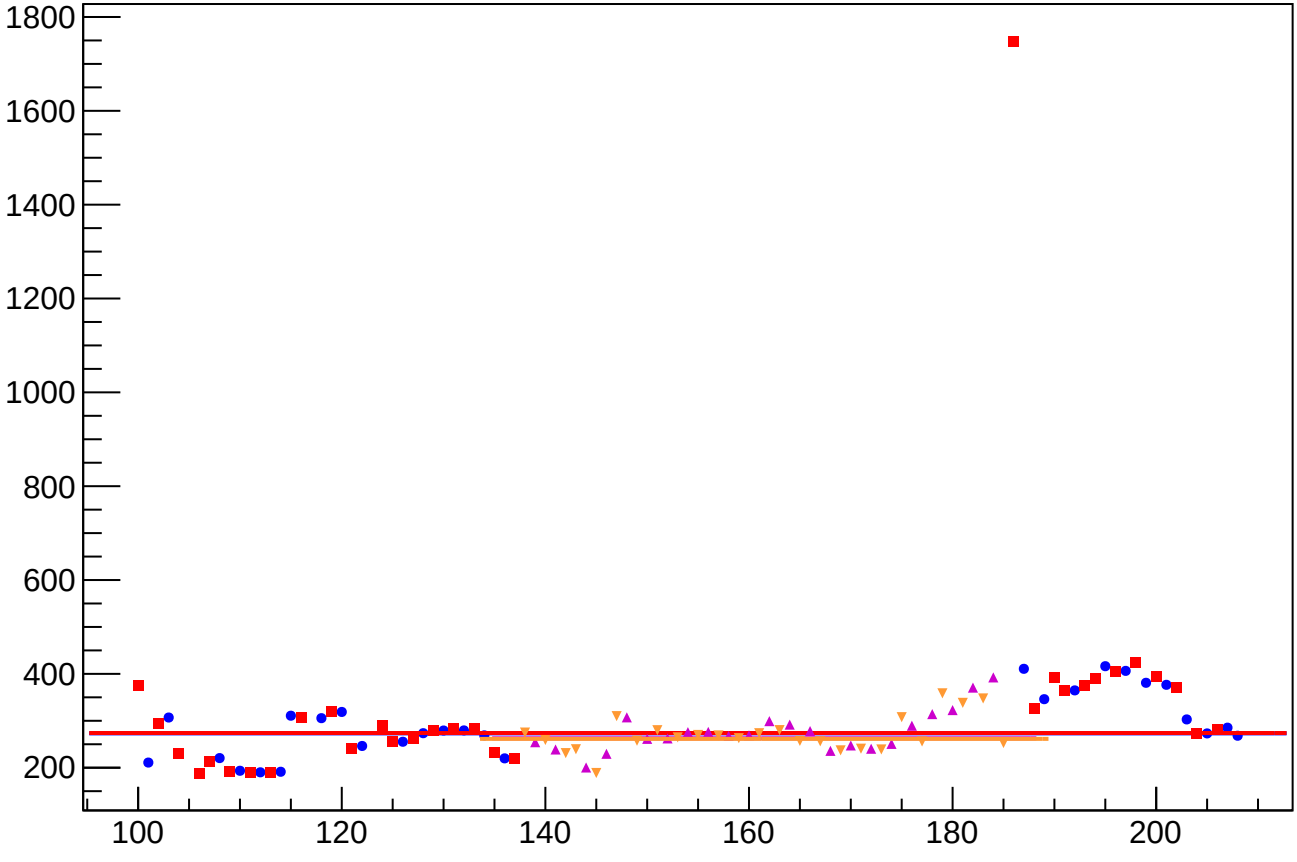
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 205.682+/-45.824 χ^2/NDF: 66.6/51

All: -4.143+/-32.700 χ^2/NDF: 169.3/105

- sign -221.839+/-46.676 χ^2/NDF: 60.0/53

reg_asym_sam4_rms vs Slug



Right In: 273.165+/-0.050 χ^2/NDF: 1552132.1/26

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.955+/-0.050 χ^2/NDF: 2521940.8/30

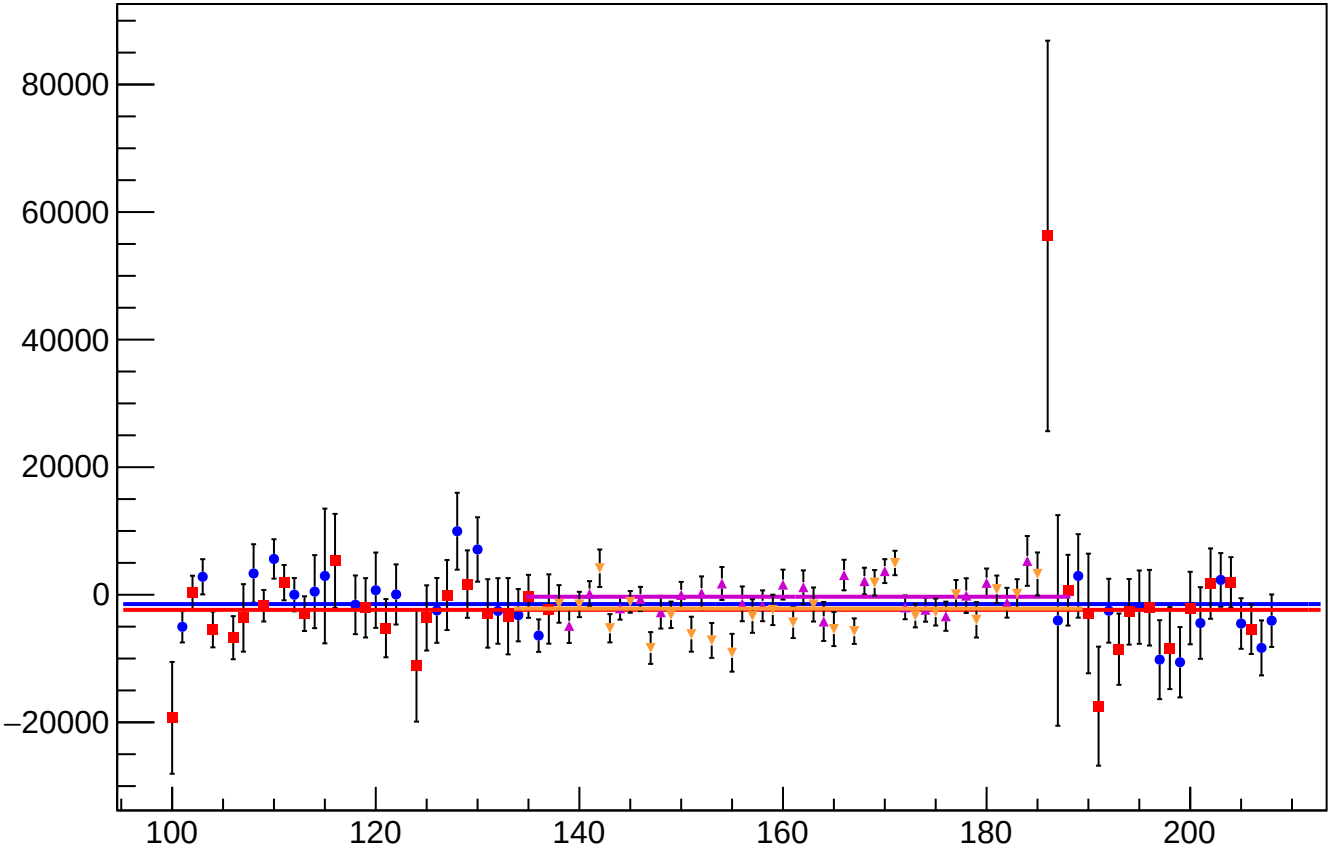
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 266.377+/-0.032 χ^2/NDF: 2299328.3/51

All: 266.954+/-0.023 χ^2/NDF: 5521571.1/105

- sign 267.552+/-0.033 χ^2/NDF: 3221597.8/53

asym_sam4_reg_correction_mean vs Slug



Right In: -1461.995+/-807.200 χ^2/NDF: 32.1/26

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -2364.015+/-784.865 χ^2/NDF: 24.9/30

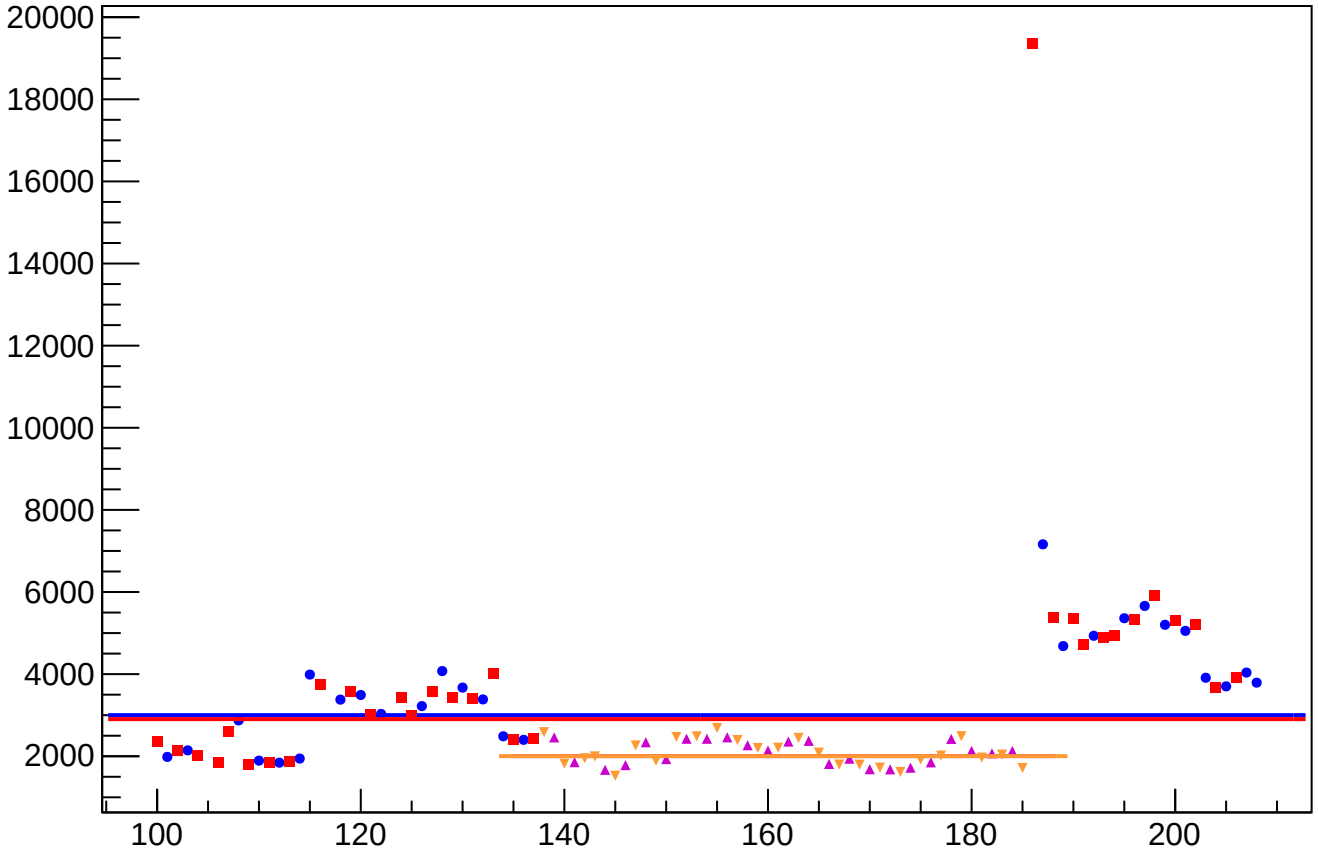
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1996.885+/-400.740 χ^2/NDF: 88.2/51

All: -1436.478+/-285.138 χ^2/NDF: 145.7/105

- sign -861.825+/-405.801 χ^2/NDF: 53.6/53

asym_sam4_reg_correction_rms vs Slug



Right In: 3001.264+/-0.571 χ^2/NDF: 3753810.5/26

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2904.354+/-0.555 χ^2/NDF: 5275297.5/30

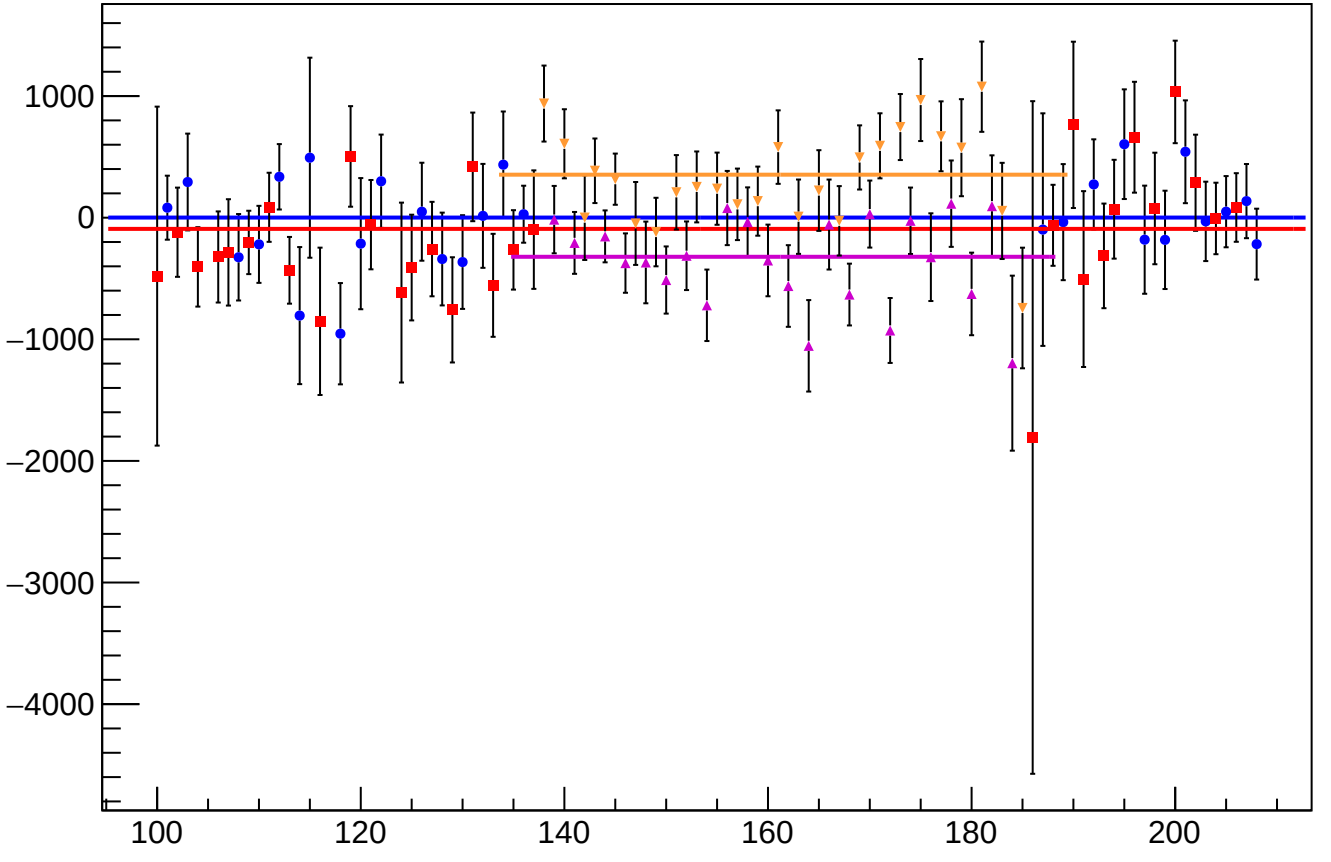
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2248.460+/-0.283 χ^2/NDF: 6955021.1/51

All: 2246.685+/-0.202 χ^2/NDF: 14862590.4/1

- sign 2244.864+/-0.287 χ^2/NDF: 7907489.8/53

cor_asym_sam4_mean vs Slug



Right In: 1.029+/-70.743 χ^2/NDF: 19.8/26

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -92.102+/-70.753 χ^2/NDF: 27.8/30

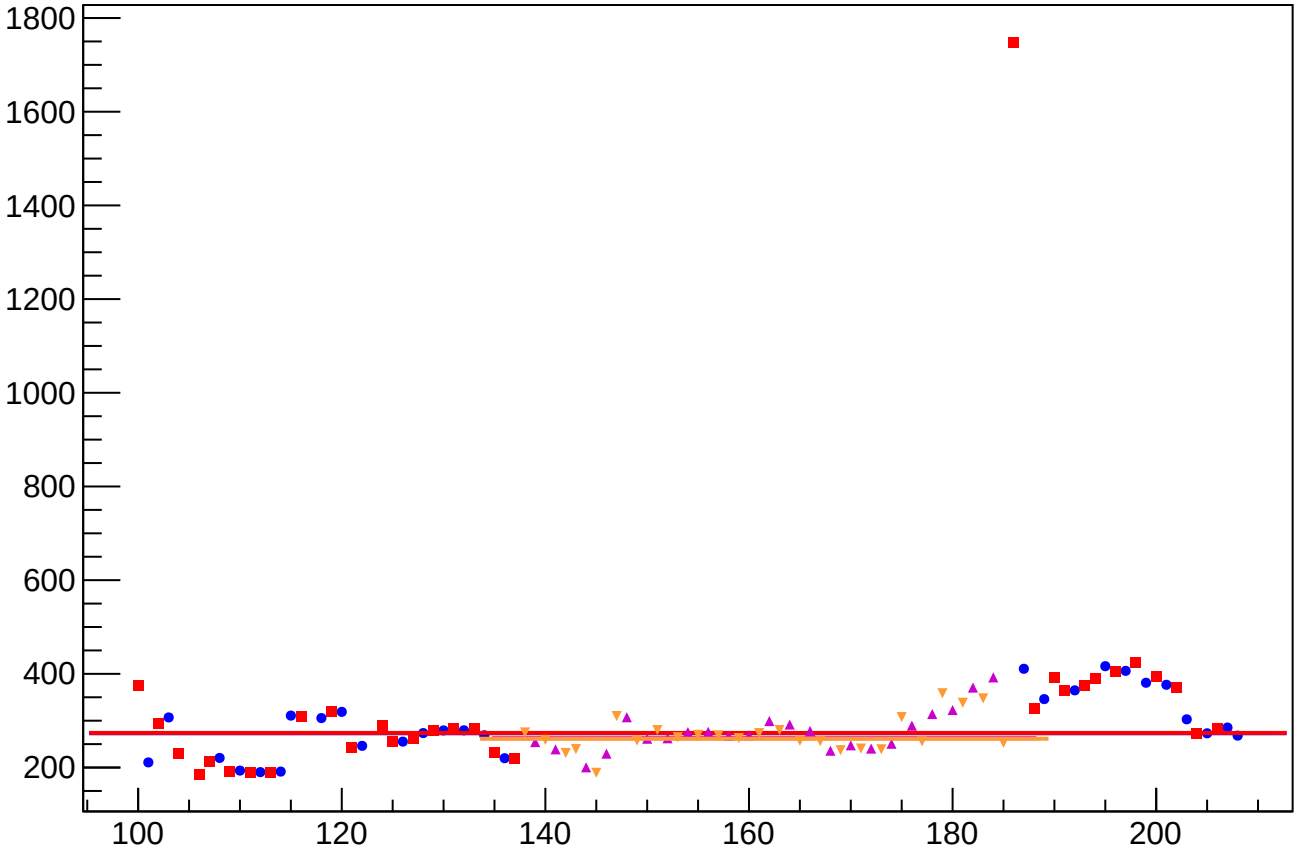
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

\+ sign 205.689+/-45.824 χ^2/NDF: 66.6/51

All: -4.043+/-32.700 χ^2/NDF: 169.2/105

\- sign -221.663+/-46.678 χ^2/NDF: 60.0/53

cor_asym_sam4_rms vs Slug



Right In: 273.165+/-0.050 χ^2/NDF: 1552133.4/26

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.884+/-0.050 χ^2/NDF: 2527804.7/30

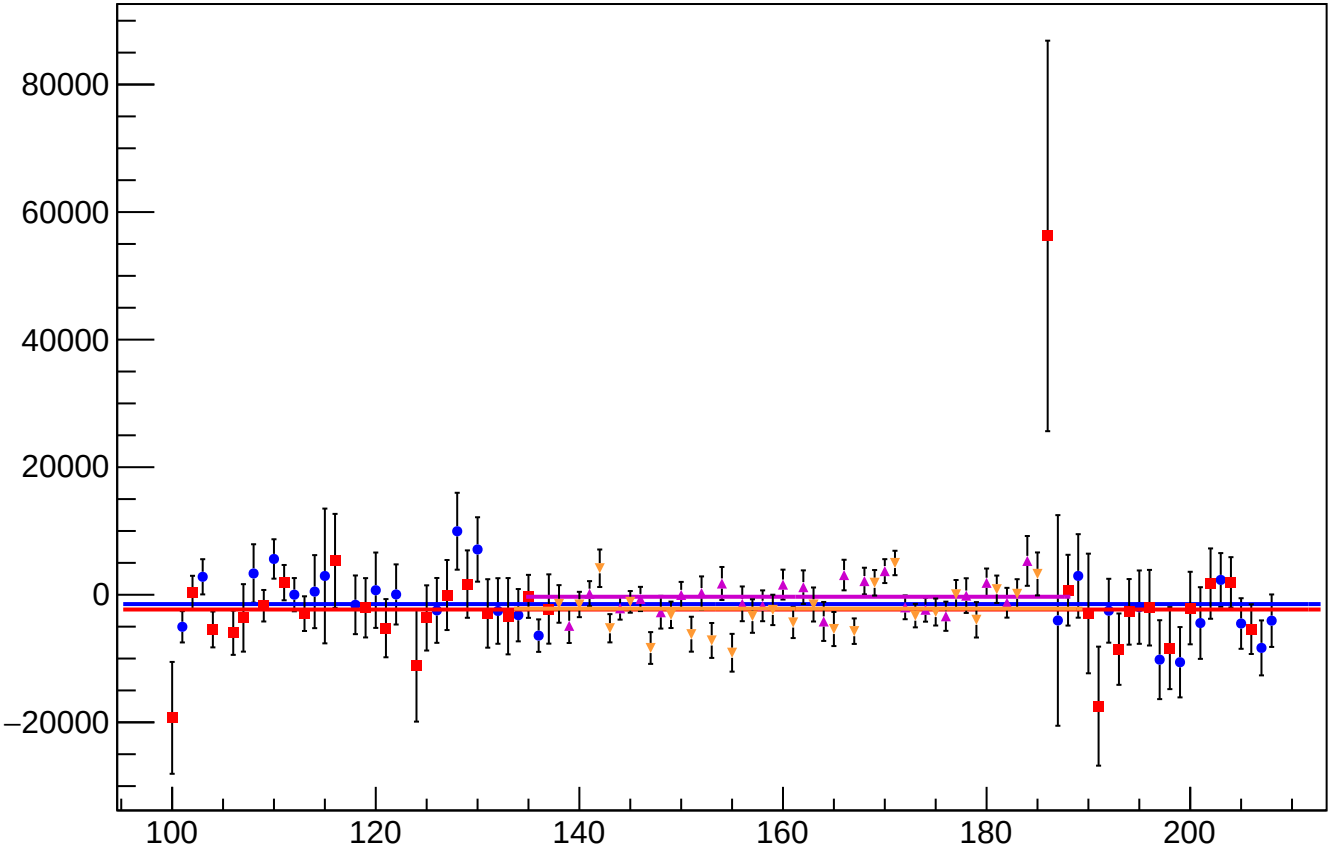
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 266.377+/-0.032 χ^2/NDF: 2299330.0/51

All: 266.938+/-0.023 χ^2/NDF: 5527037.6/105

- sign 267.520+/-0.033 χ^2/NDF: 3227096.7/53

asym_sam4_cor_correction_mean vs Slug



Right In: -1462.126+/-807.205 χ^2/NDF: 32.1/26

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2312.724+/-786.008 χ^2/NDF: 24.3/30

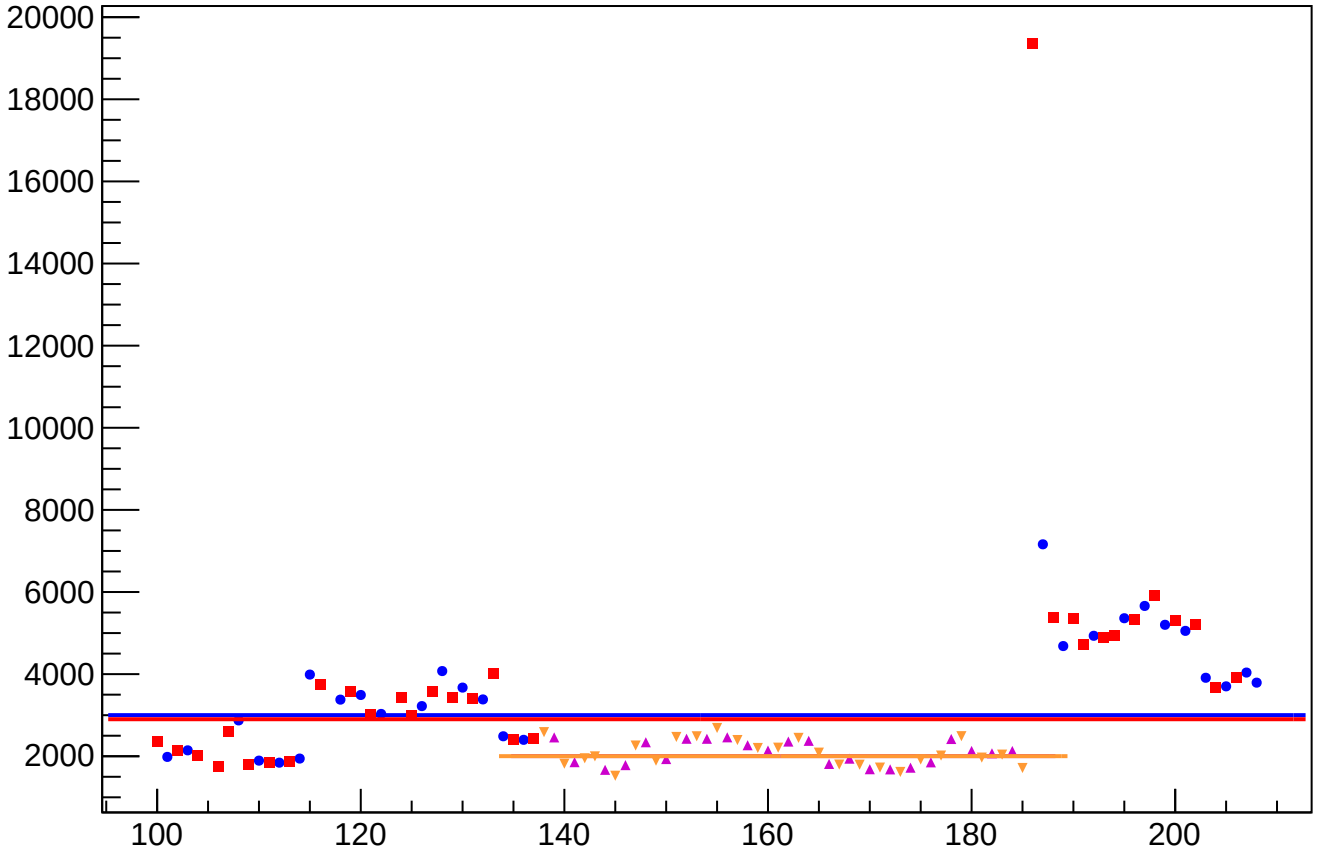
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1996.897+/-400.740 χ^2/NDF: 88.2/51

All: -1429.377+/-285.193 χ^2/NDF: 145.0/105

- sign -846.979+/-405.959 χ^2/NDF: 52.7/53

asym_sam4_cor_correction_rms vs Slug



Right In: 3001.289+/-0.571 χ^2/NDF: 3753709.1/26

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

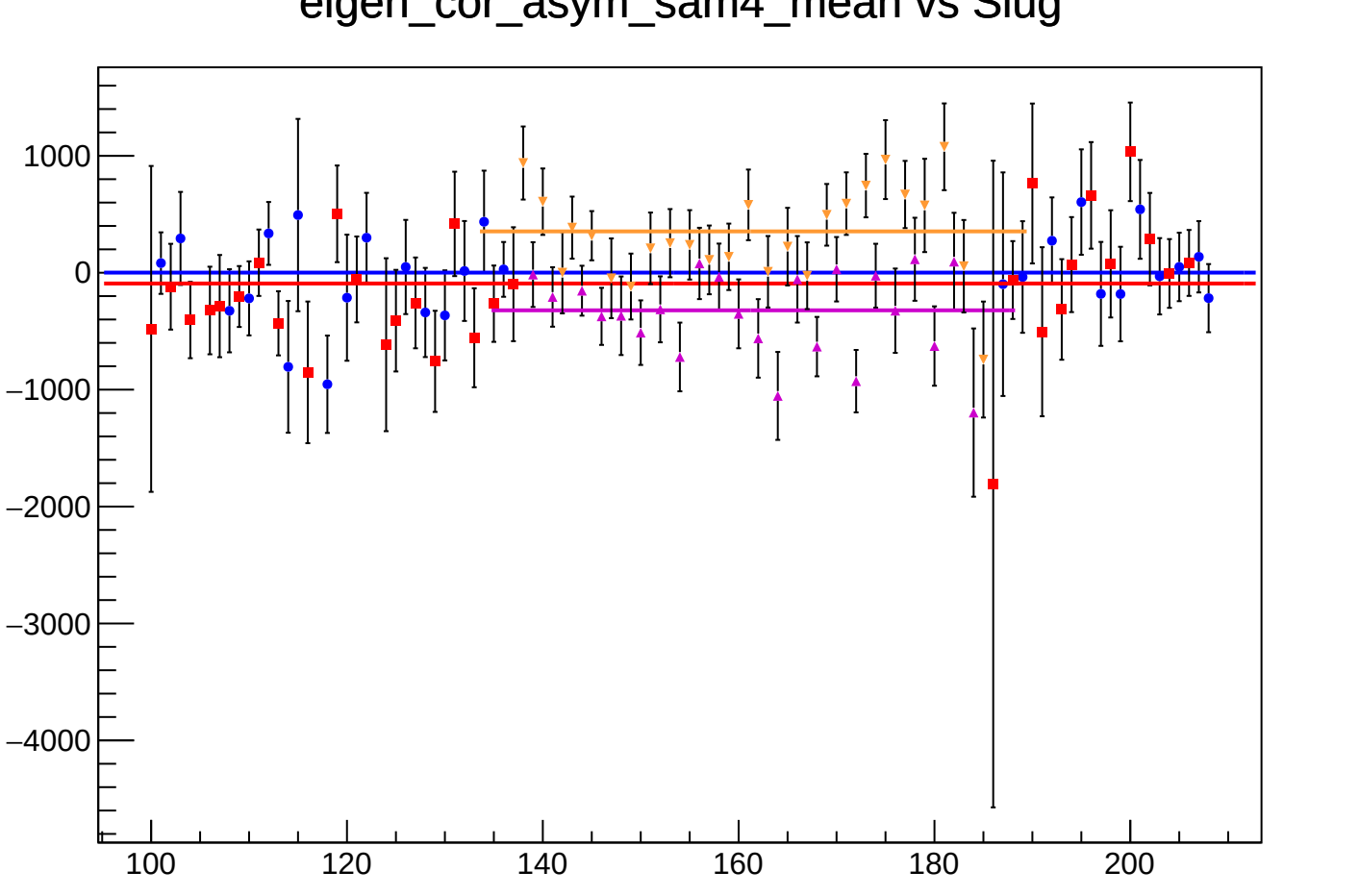
Right Out: 2901.747+/-0.556 χ^2/NDF: 5305613.3/30

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2248.464+/-0.283 χ^2/NDF: 6955011.5/51

All: 2246.091+/-0.202 χ^2/NDF: 14877729.0/1

- sign 2243.656+/-0.287 χ^2/NDF: 7922575.4/53



Right In: 1.029+/-70.743 χ^2/NDF: 19.8/26

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -92.102+/-70.753 χ^2/NDF: 27.8/30

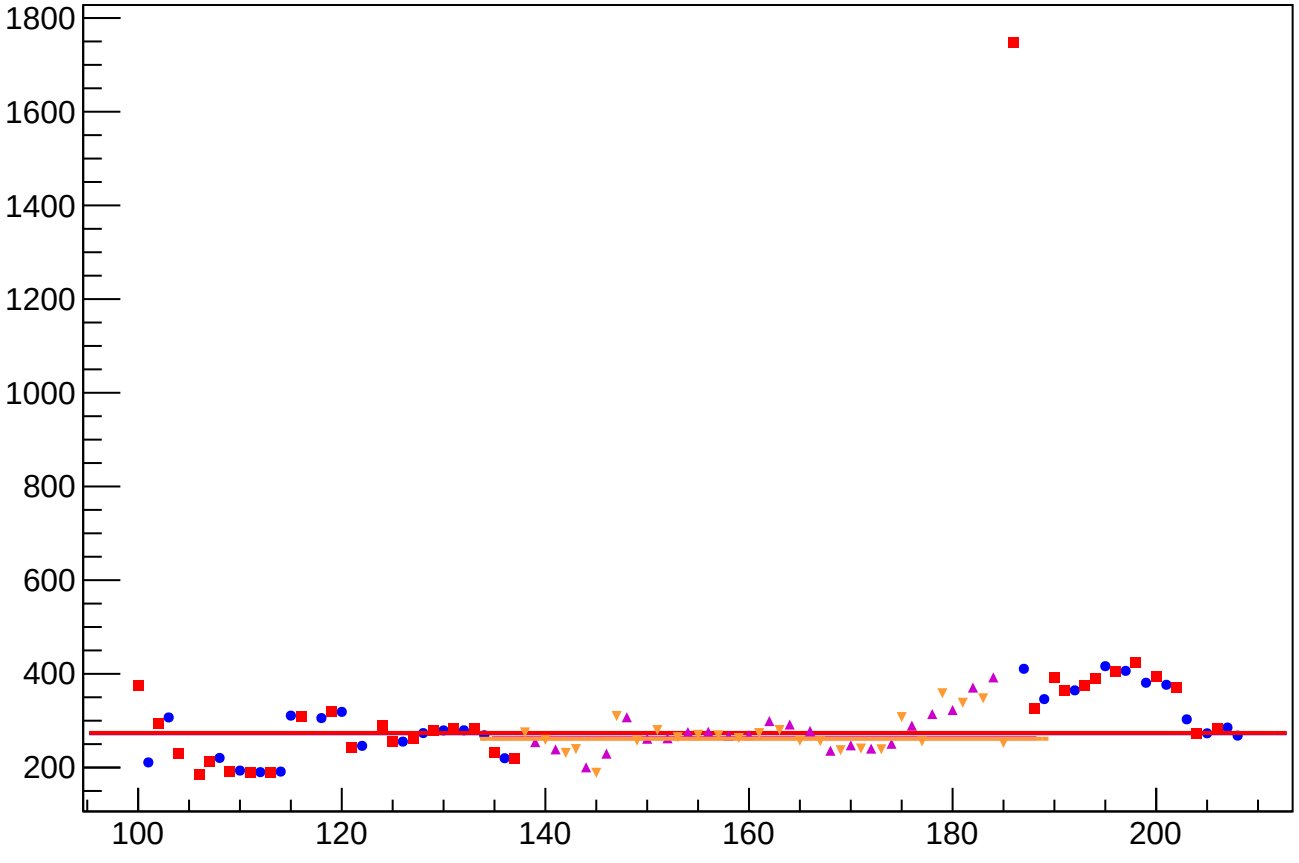
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 205.689+/-45.824 χ^2/NDF: 66.6/51

All: -4.043+/-32.700 χ^2/NDF: 169.2/105

- sign -221.663+/-46.678 χ^2/NDF: 60.0/53

eigen_cor_asym_sam4_rms vs Slug



Right In: 273.165+/-0.050 χ^2/NDF: 1552133.4/26

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.884+/-0.050 χ^2/NDF: 2527804.7/30

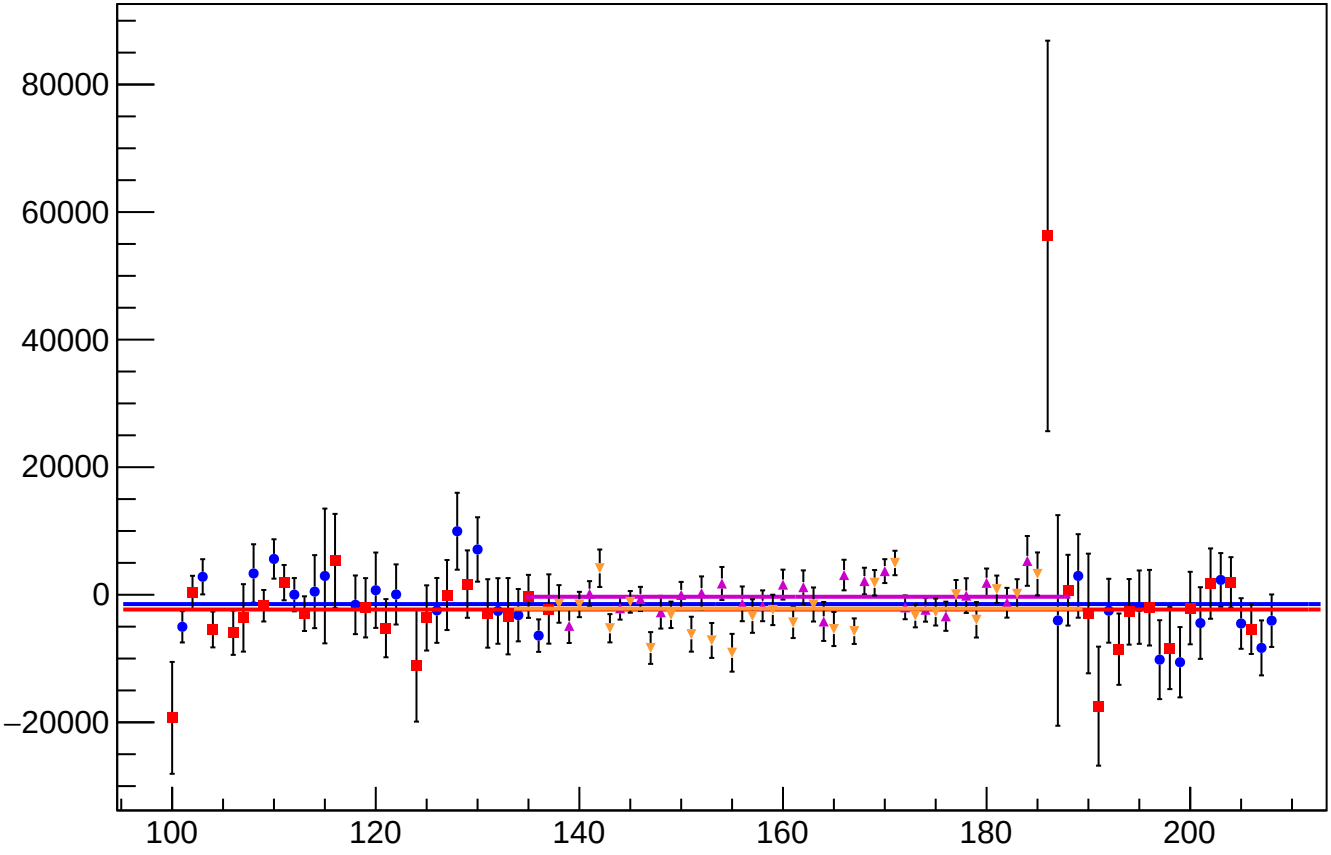
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 266.377+/-0.032 χ^2/NDF: 2299330.0/51

All: 266.938+/-0.023 χ^2/NDF: 5527037.6/105

- sign 267.520+/-0.033 χ^2/NDF: 3227096.7/53

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -1462.126+/-807.205 χ^2/NDF: 32.1/26

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2312.724+/-786.008 χ^2/NDF: 24.3/30

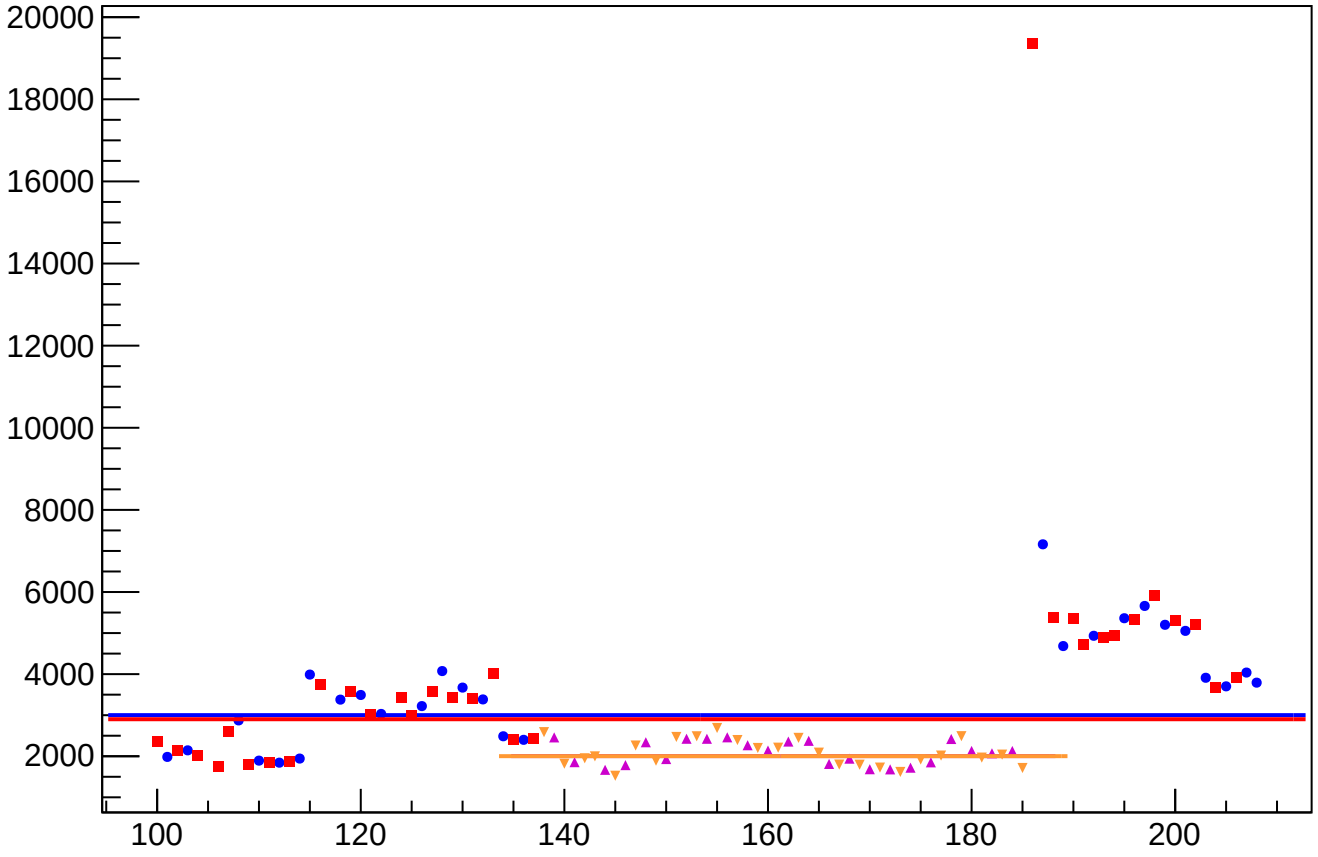
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1996.897+/-400.740 χ^2/NDF: 88.2/51

All: -1429.377+/-285.193 χ^2/NDF: 145.0/105

- sign -846.979+/-405.959 χ^2/NDF: 52.7/53

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 3001.289+/-0.571 χ^2/NDF: 3753709.1/26

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2901.747+/-0.556 χ^2/NDF: 5305613.3/30

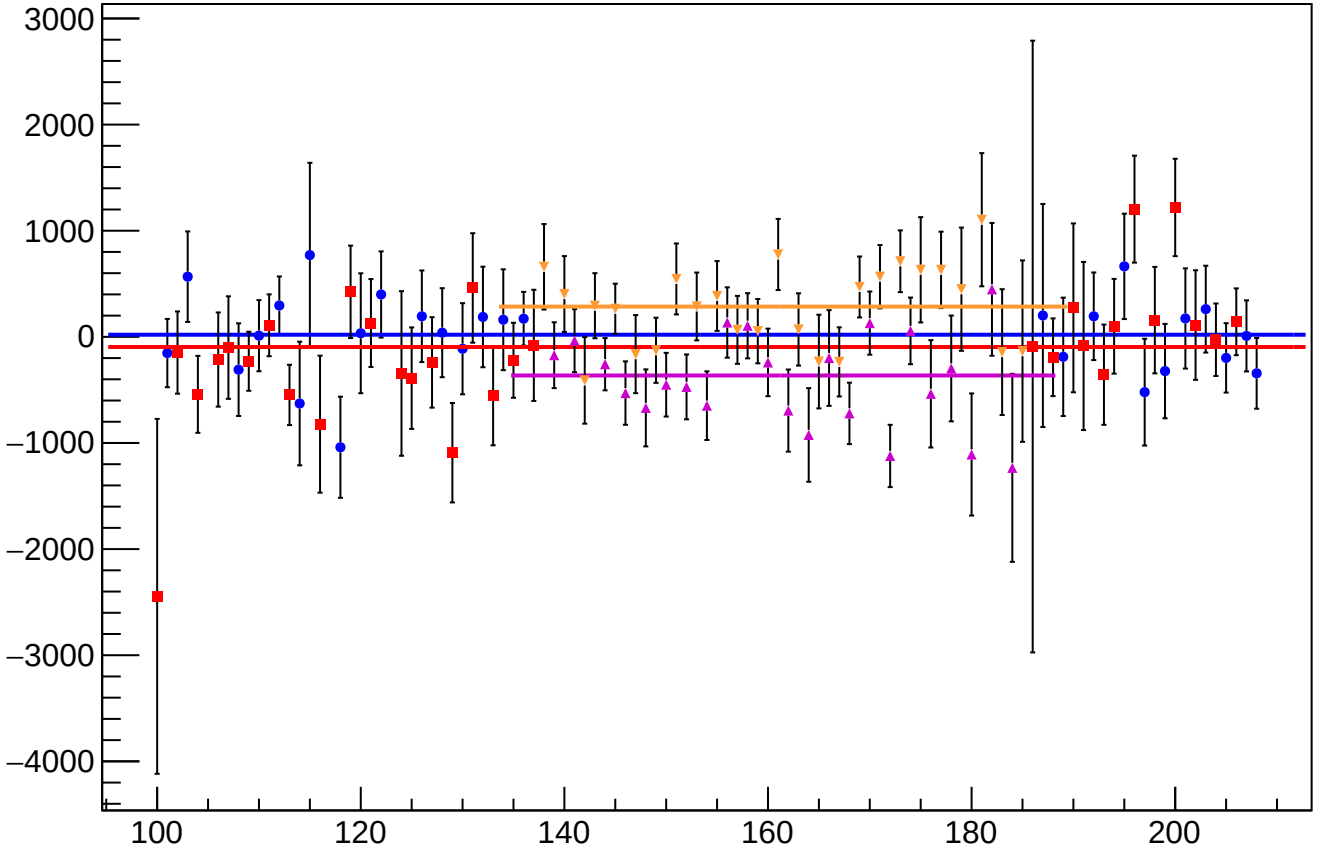
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2248.464+/-0.283 χ^2/NDF: 6955011.5/51

All: 2246.091+/-0.202 χ^2/NDF: 14877729.0/1

- sign 2243.656+/-0.287 χ^2/NDF: 7922575.4/53

dit_asym_sam4_mean vs Slug



Right In: 20.074+/-78.485 χ^2/NDF: 18.0/26

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -95.575+/-77.619 χ^2/NDF: 33.9/30

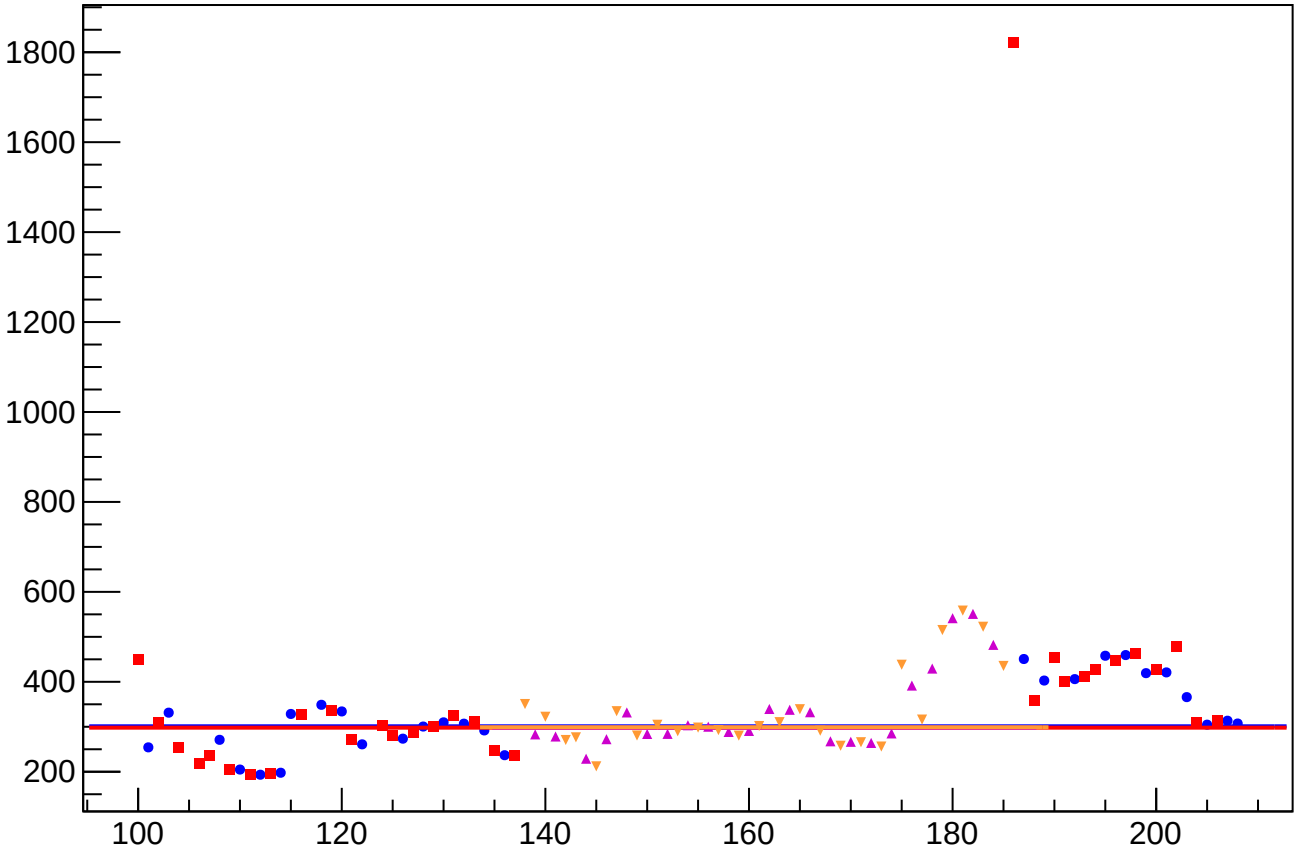
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 167.511+/-52.256 χ^2/NDF: 47.2/51

All: -34.858+/-37.097 χ^2/NDF: 146.0/105

- sign -240.473+/-52.673 χ^2/NDF: 68.5/53

dit_asym_sam4_rms vs Slug



Right In: 301.093+/-0.055 χ^2/NDF: 1745925.1/26

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 298.022+/-0.055 χ^2/NDF: 2806693.2/30

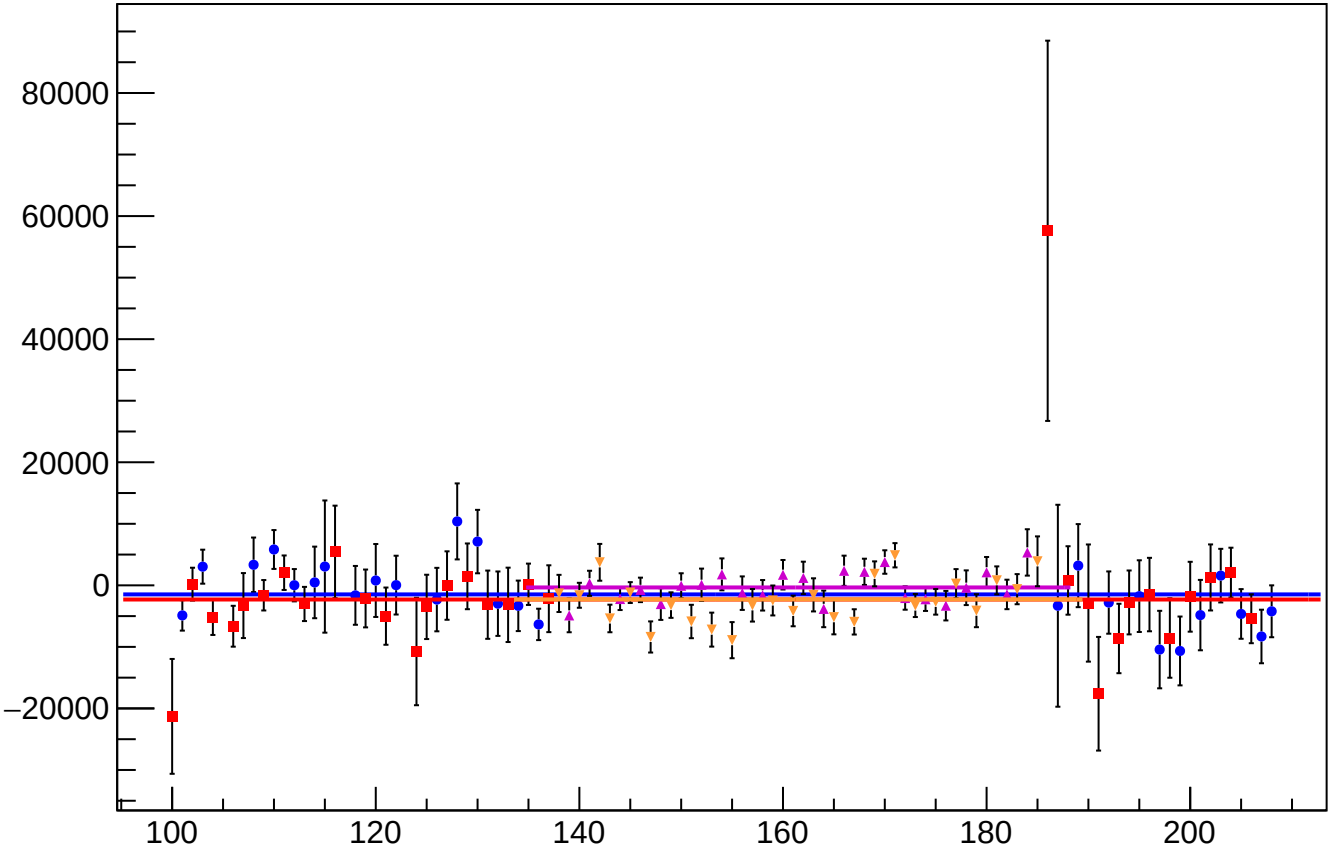
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 299.893+/-0.037 χ^2/NDF: 3359842.1/51

All: 298.929+/-0.026 χ^2/NDF: 7486975.0/105

- sign 297.948+/-0.037 χ^2/NDF: 4125758.5/53

asym_sam4_dit_correction_mean vs Slug



Right In: -1473.198+/-816.145 χ^2/NDF: 32.0/26

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -2301.626+/-790.926 χ^2/NDF: 25.3/30

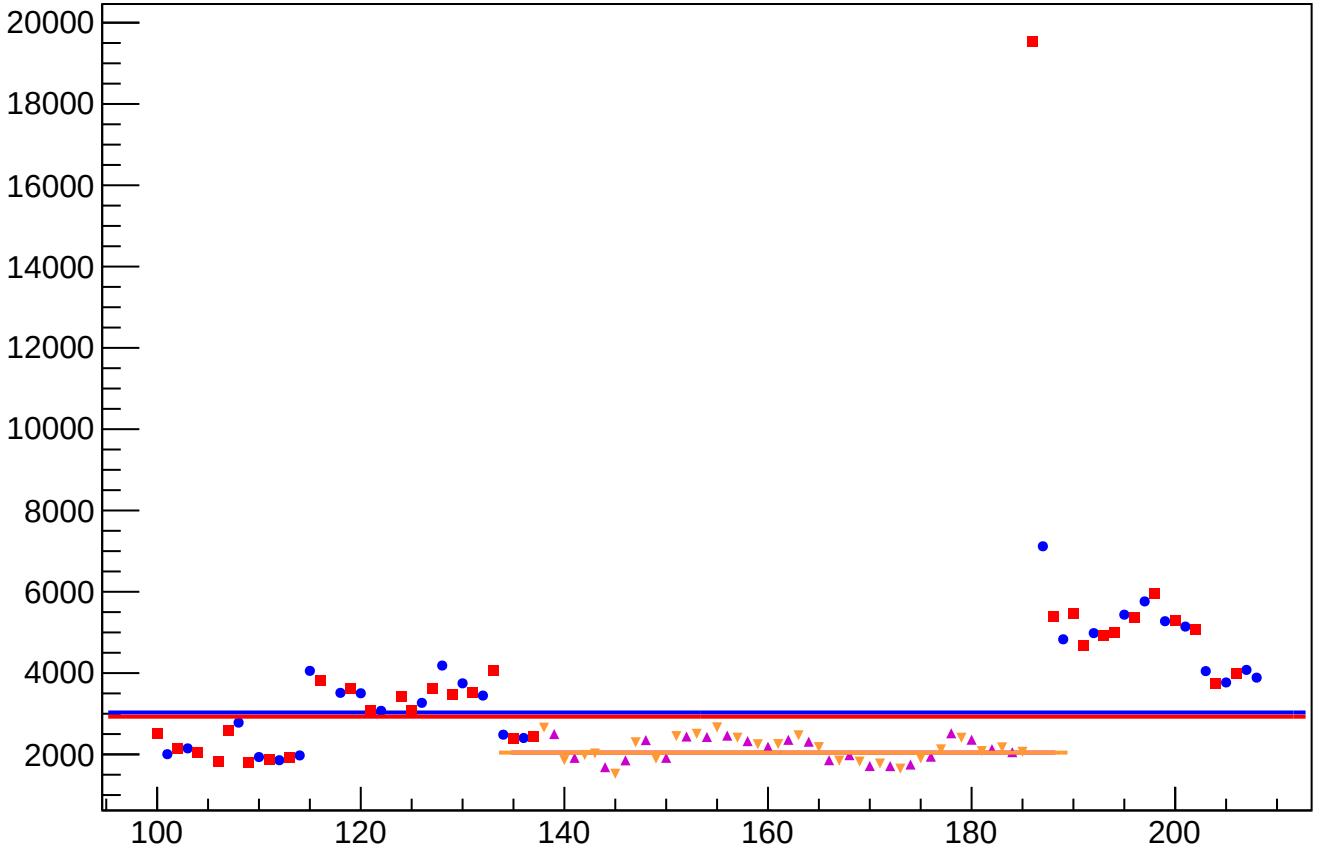
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -2086.988+/-407.628 χ^2/NDF: 84.4/51

All: -1488.675+/-289.975 χ^2/NDF: 141.4/105

- sign -875.704+/-412.591 χ^2/NDF: 52.6/53

asym_sam4_dit_correction_rms vs Slug



Right In: 3030.853+/-0.577 χ^2/NDF: 3846618.3/26

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2927.608+/-0.559 χ^2/NDF: 5273423.5/30

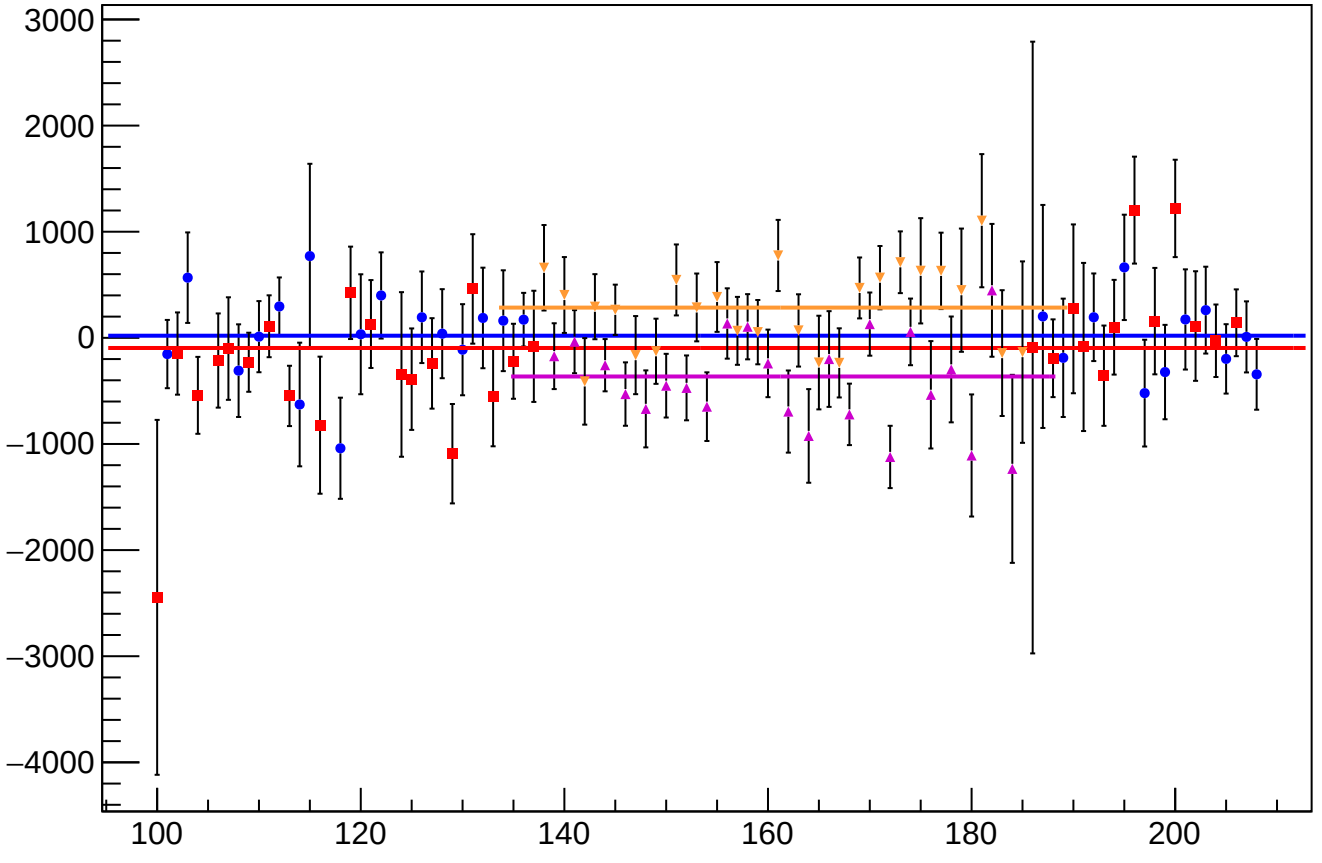
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2289.985+/-0.288 χ^2/NDF: 6895850.8/51

All: 2287.675+/-0.205 χ^2/NDF: 14671699.1/1

- sign 2285.309+/-0.292 χ^2/NDF: 7775718.2/53

eigen_dit_asym_sam4_mean vs Slug



Right In: 20.078+/-78.485 χ^2/NDF: 18.0/26

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -95.575+/-77.619 χ^2/NDF: 33.9/30

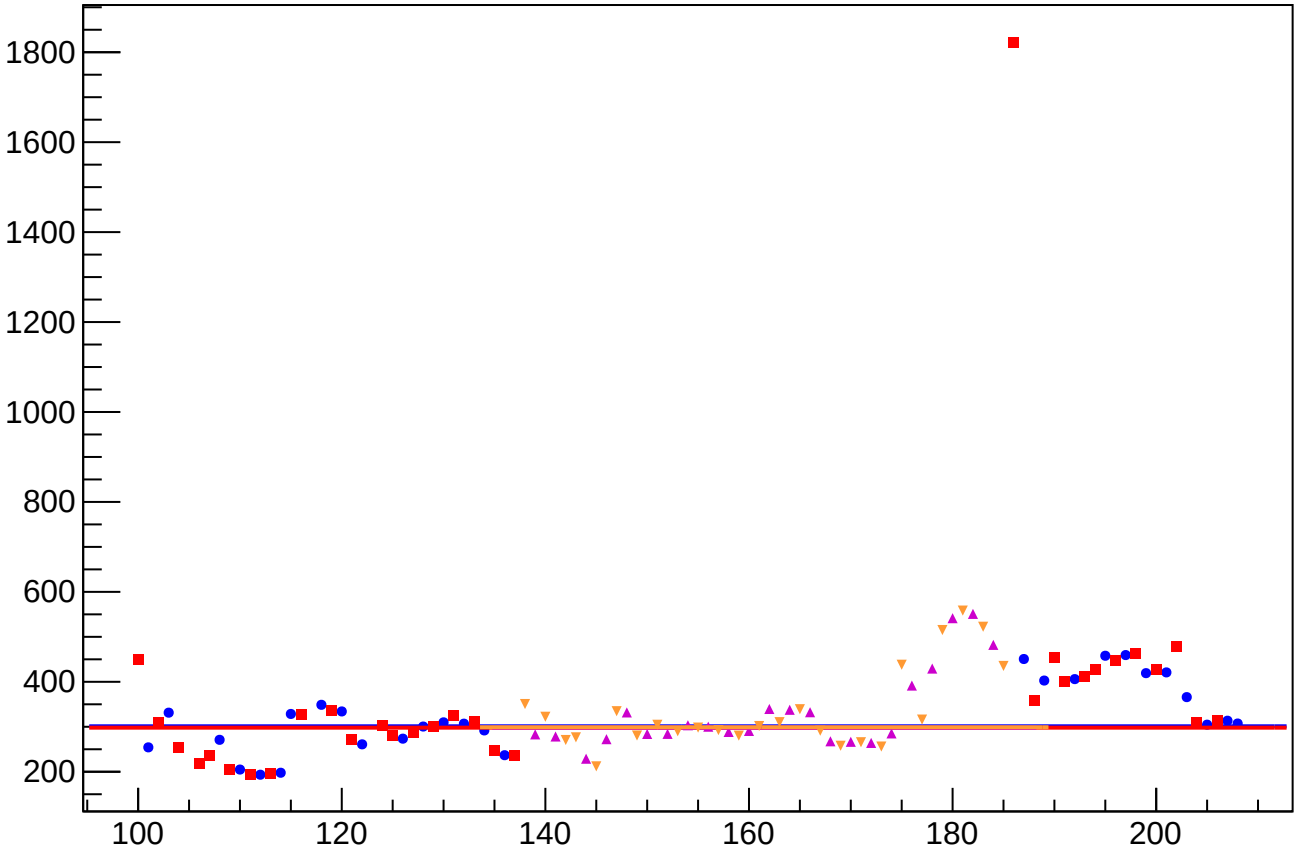
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 167.515+/-52.256 χ^2/NDF: 47.2/51

All: -34.857+/-37.097 χ^2/NDF: 146.0/105

- sign -240.474+/-52.673 χ^2/NDF: 68.5/53

eigen_dit_asym_sam4_rms vs Slug



Right In: 301.093+/-0.055 χ^2/NDF: 1745912.6/26

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 298.022+/-0.055 χ^2/NDF: 2806699.5/30

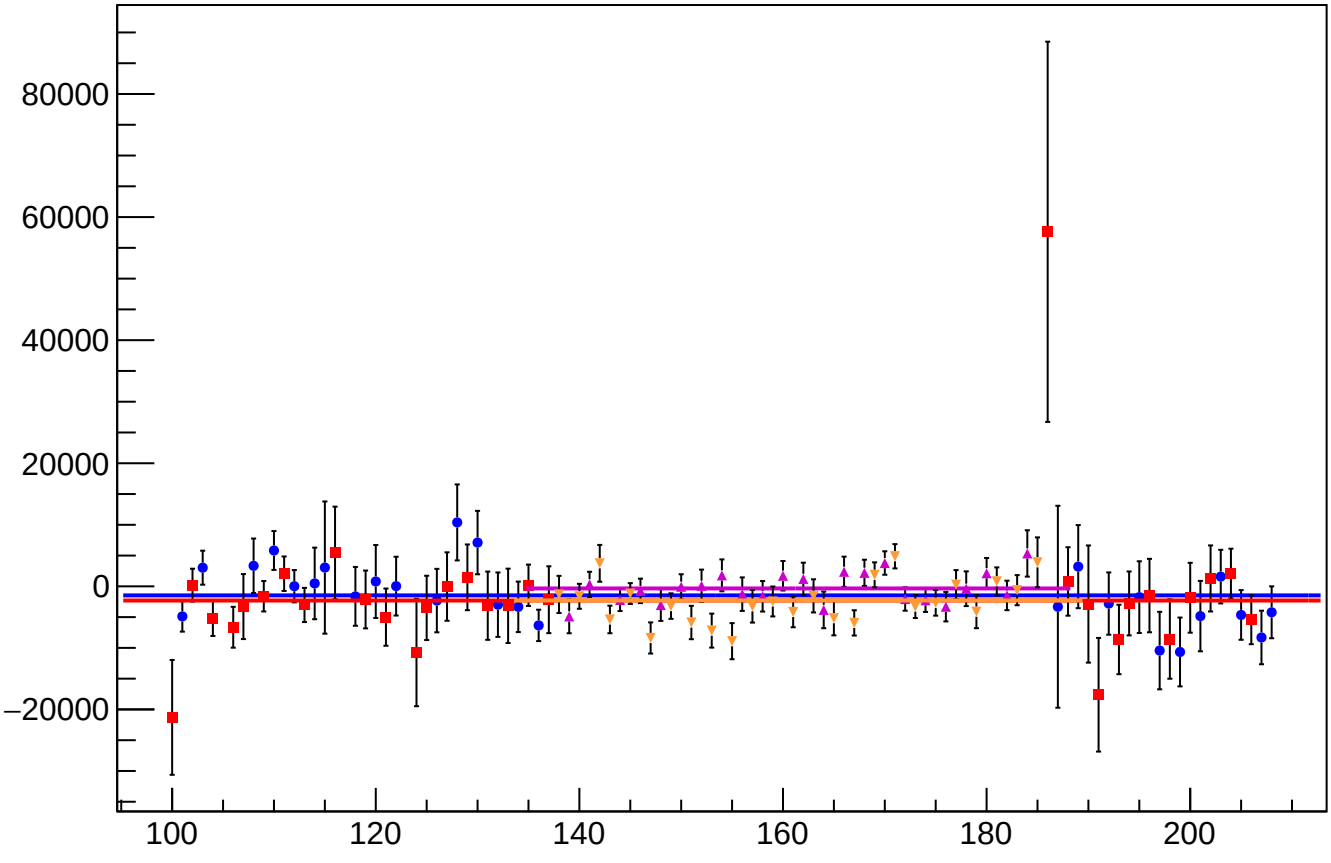
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 299.894+/-0.037 χ^2/NDF: 3359826.5/51

All: 298.929+/-0.026 χ^2/NDF: 7486947.4/105

- sign 297.948+/-0.037 χ^2/NDF: 4125746.6/53

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -1473.195+/-816.144 χ^2/NDF: 32.0/26

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -2301.624+/-790.926 χ^2/NDF: 25.3/30

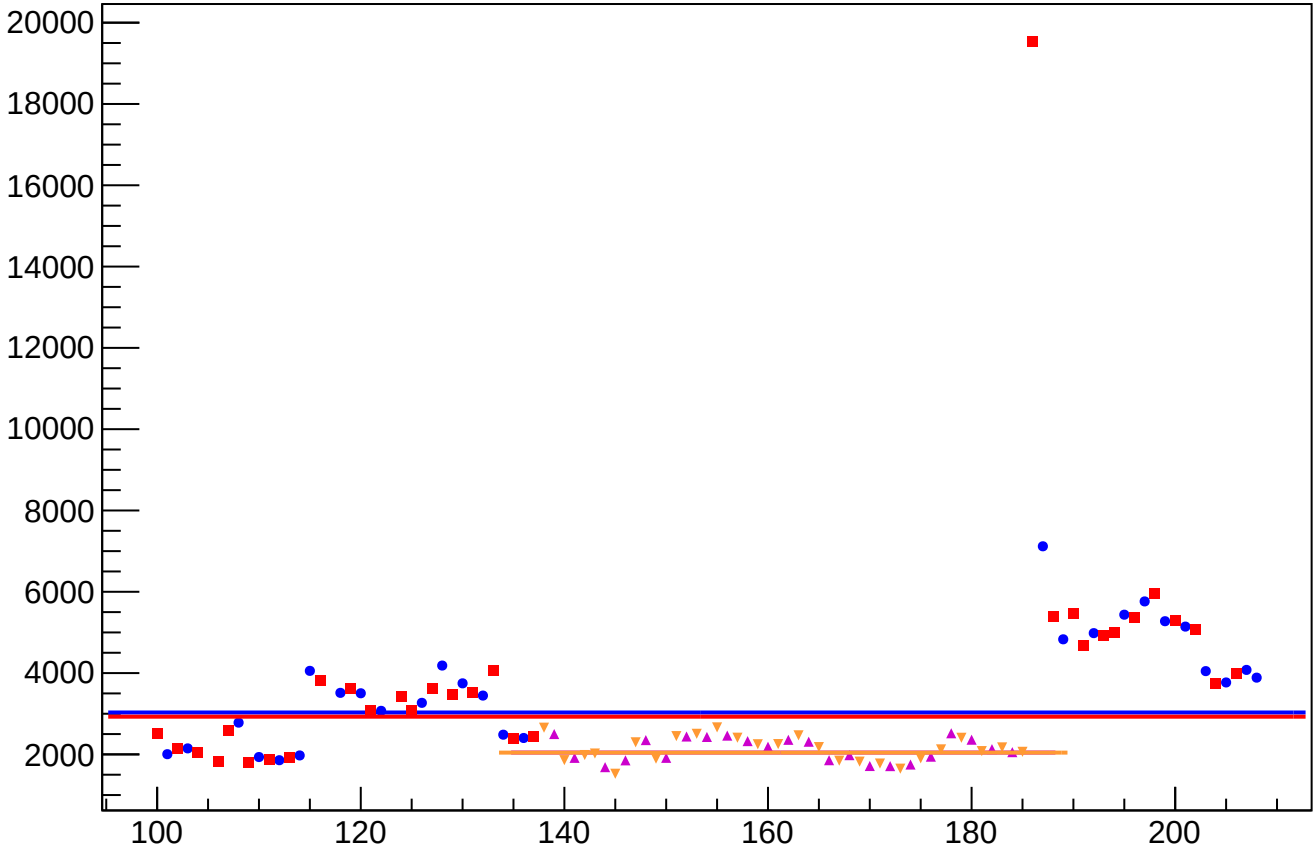
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -2086.984+/-407.627 χ^2/NDF: 84.4/51

All: -1488.671+/-289.975 χ^2/NDF: 141.4/105

- sign -875.702+/-412.590 χ^2/NDF: 52.6/53

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 3030.851+/-0.577 χ^2/NDF: 3846617.0/26

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2927.606+/-0.559 χ^2/NDF: 5273419.2/30

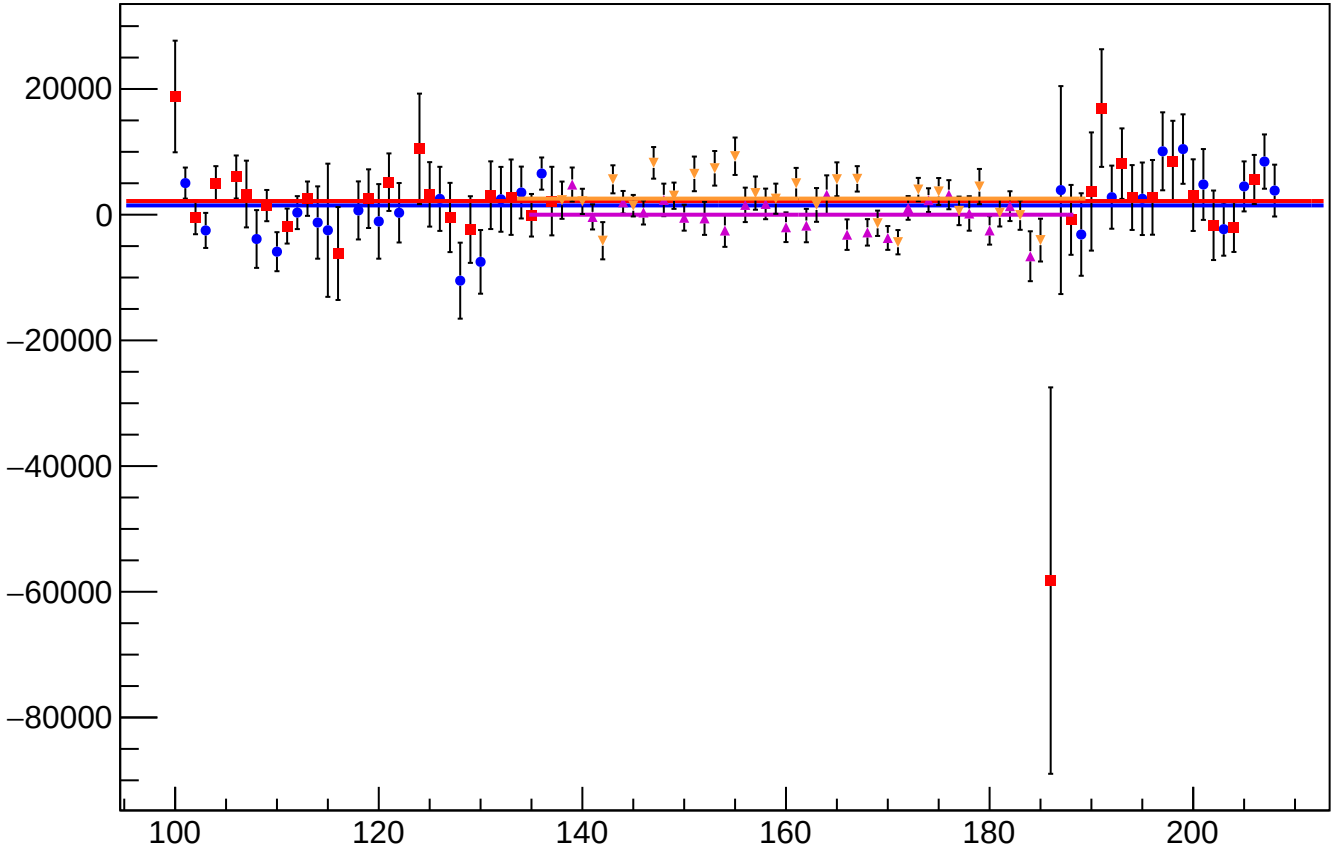
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2289.982+/-0.288 χ^2/NDF: 6895860.4/51

All: 2287.672+/-0.205 χ^2/NDF: 14671709.1/1

- sign 2285.306+/-0.292 χ^2/NDF: 7775718.7/53

asym_sam4_mean vs Slug



Right In: 1474.687+/-811.096 χ^2/NDF: 33.1/26

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 2174.384+/-789.111 χ^2/NDF: 24.1/30

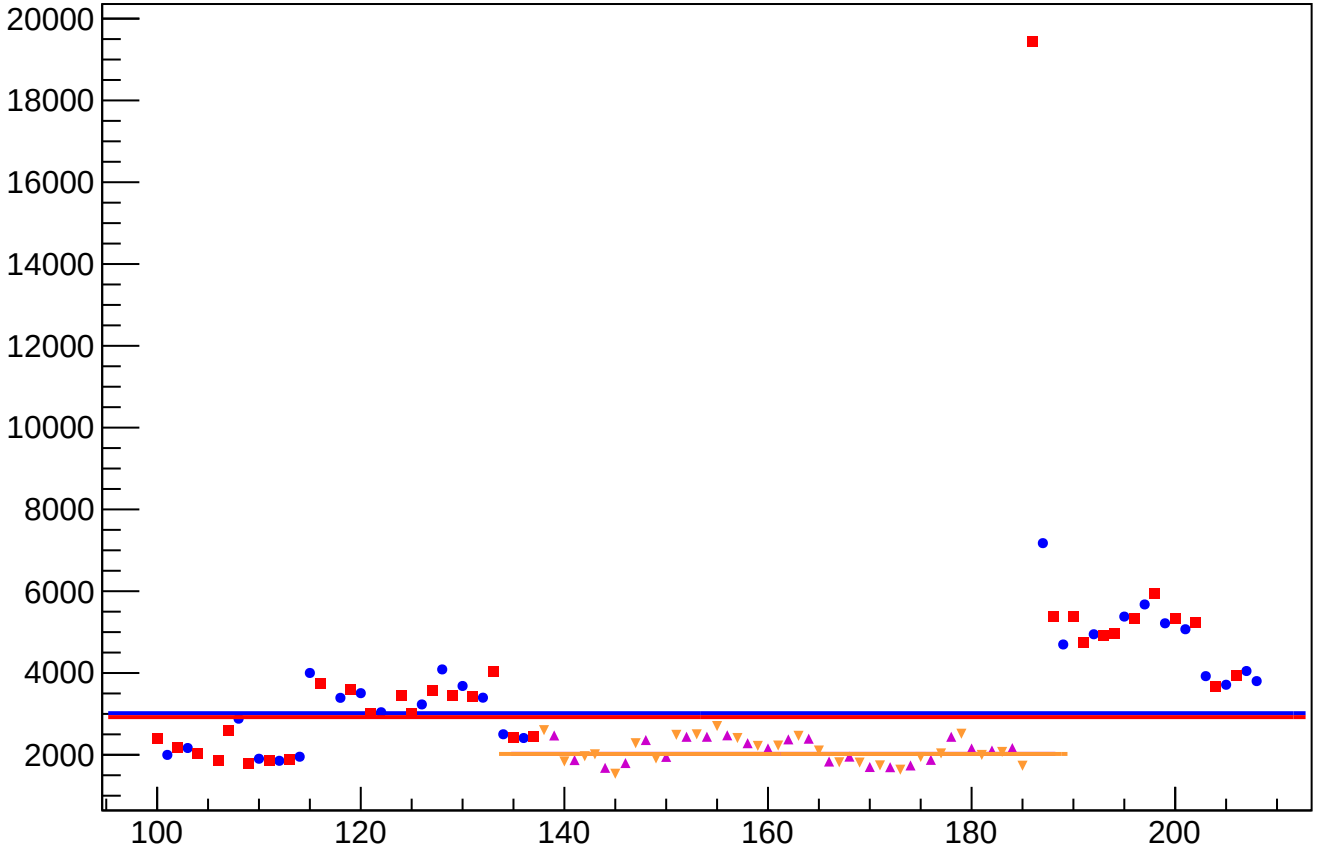
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2289.992+/-404.024 χ^2/NDF: 87.1/51

All: 1446.816+/-287.488 χ^2/NDF: 150.2/105

- sign 582.053+/-409.163 χ^2/NDF: 54.3/53

asym_sam4_rms vs Slug



Right In: 3017.438+/-0.574 χ^2/NDF: 3723823.1/26

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2921.572+/-0.558 χ^2/NDF: 5239260.6/30

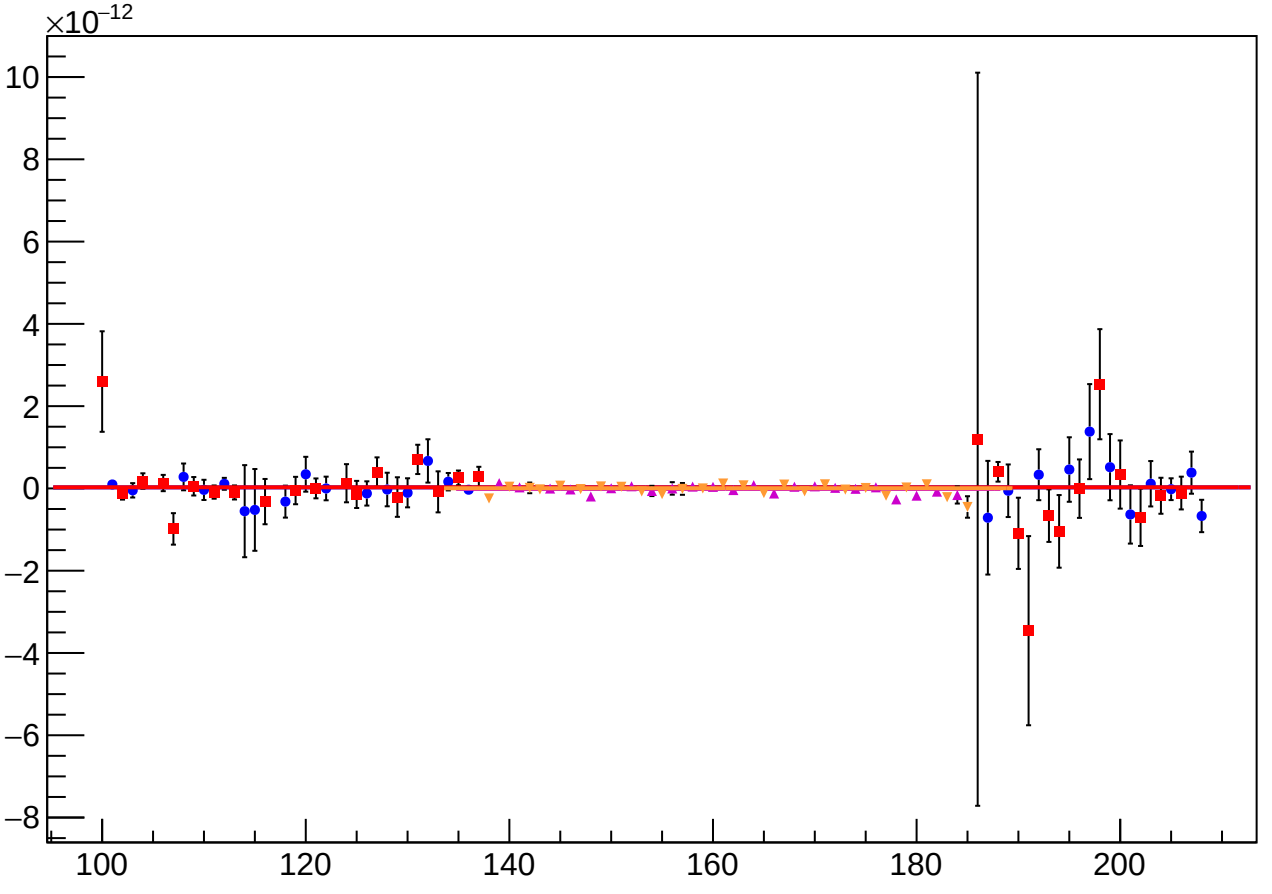
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2268.440+/-0.286 χ^2/NDF: 6873490.7/51

All: 2266.639+/-0.203 χ^2/NDF: 14703803.0/1

- sign 2264.792+/-0.289 χ^2/NDF: 7830231.8/53

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

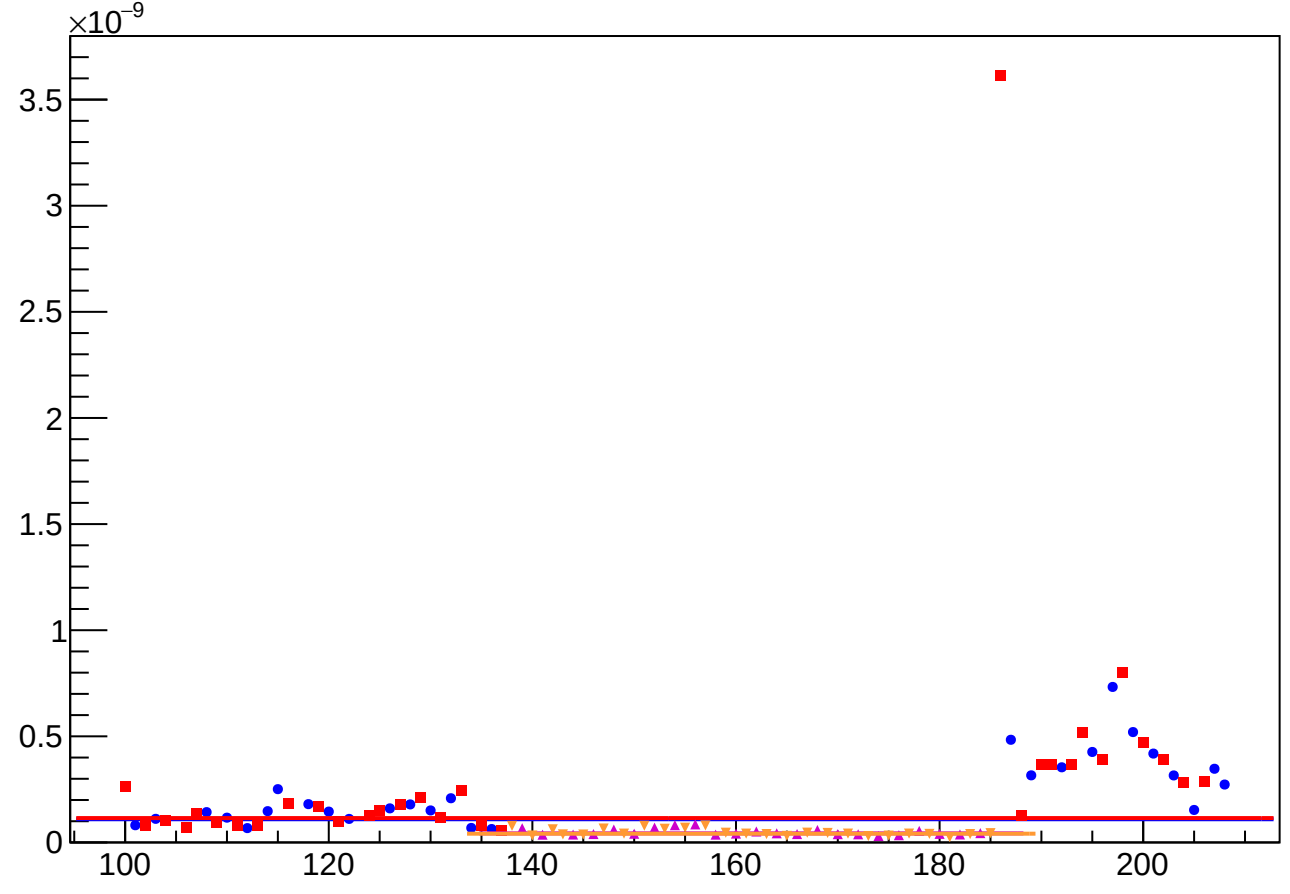
Right Out: 0.000+/-0.000 χ^2/NDF: 37.4/30

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.5/51

All: -0.000+/-0.000 χ^2/NDF: 104.7/105

- sign -0.000+/-0.000 χ^2/NDF: 58.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 4780083.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4476822.0/30

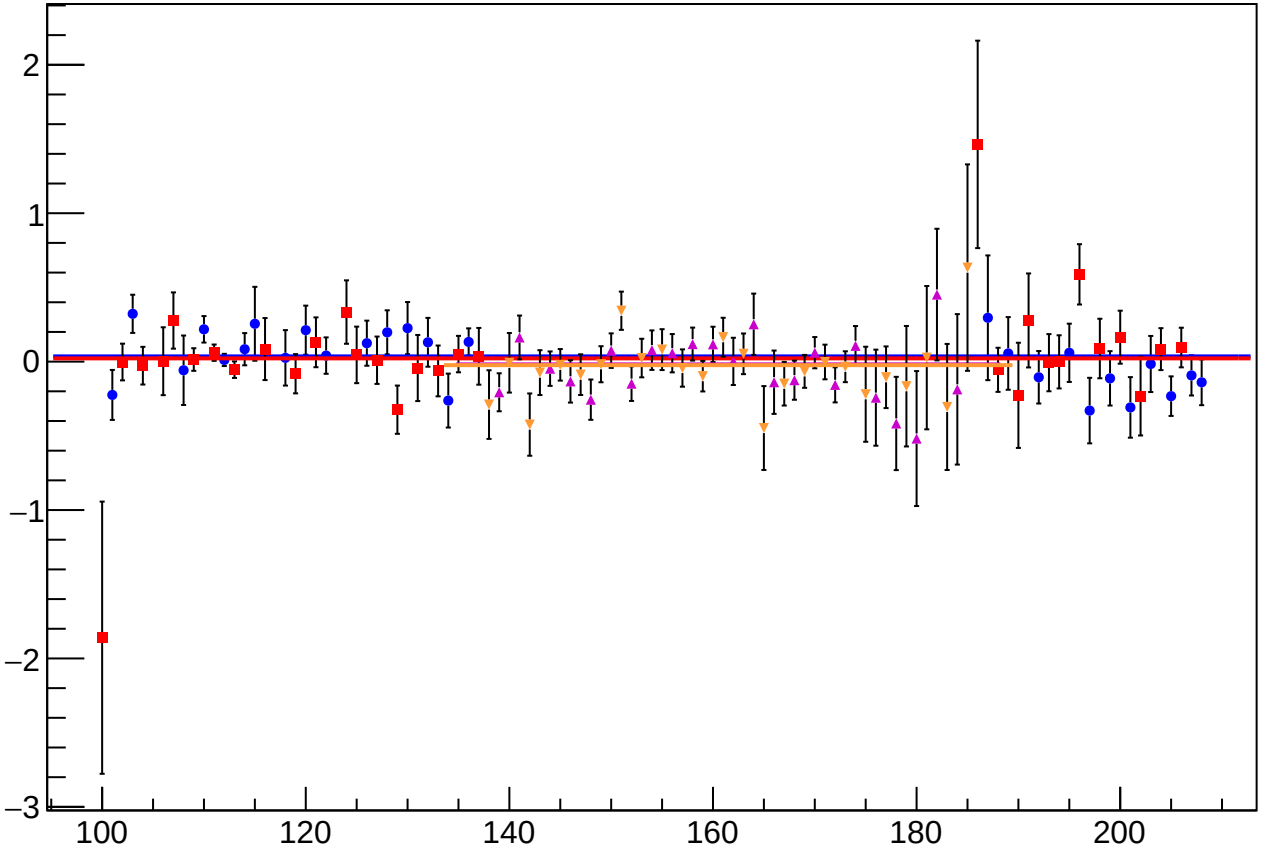
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9391707.6/51

All: 0.000+/-0.000 χ^2/NDF: 18198774.3/105

- sign 0.000+/-0.000 χ^2/NDF: 8788067.8/53

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.024 χ^2/NDF: 34.6/26

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.022+/-0.024 χ^2/NDF: 32.4/30

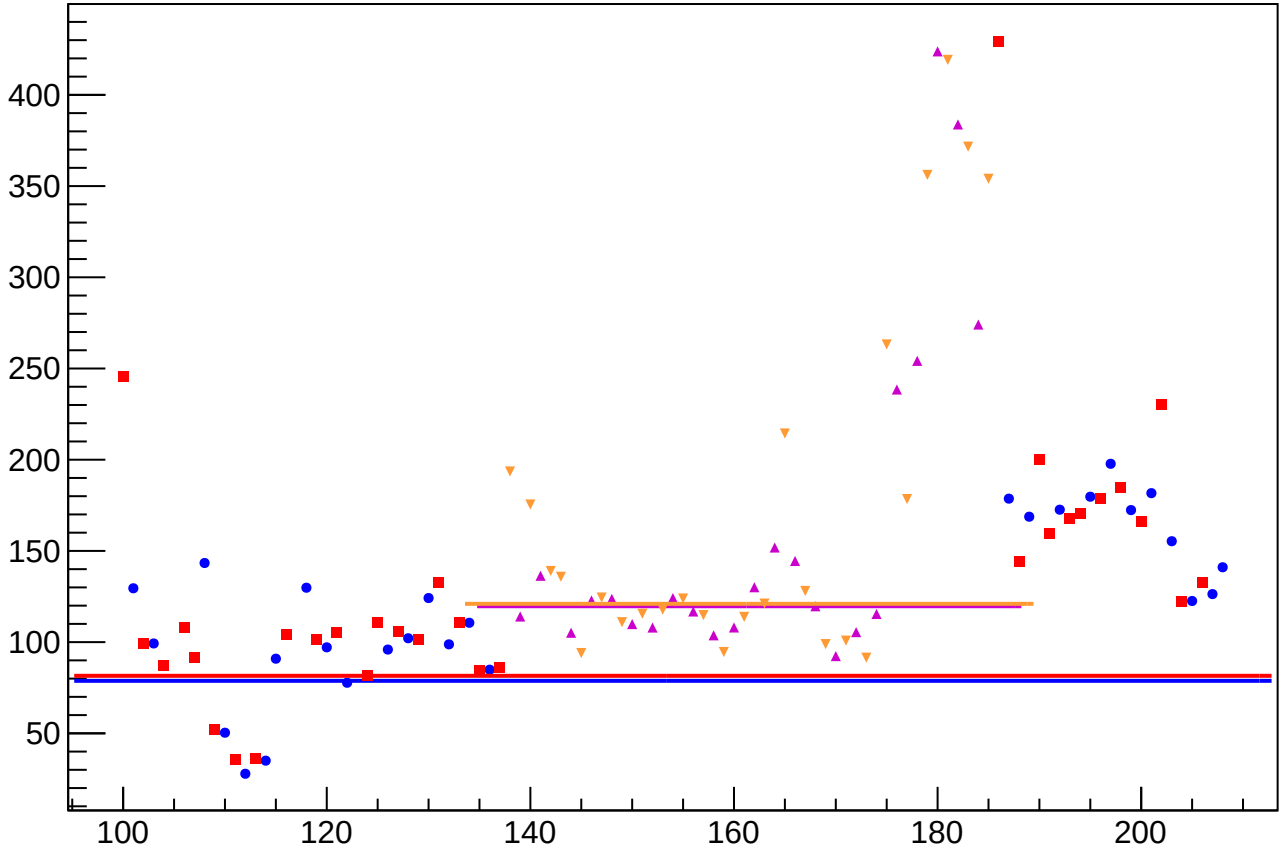
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.012+/-0.019 χ^2/NDF: 59.1/51

All: 0.009+/-0.013 χ^2/NDF: 115.7/105

- sign 0.006+/-0.019 χ^2/NDF: 56.5/53

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 78.795+/-0.017 χ^2/NDF: 8667787.1/26

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 81.538+/-0.017 χ^2/NDF: 8169497.3/30

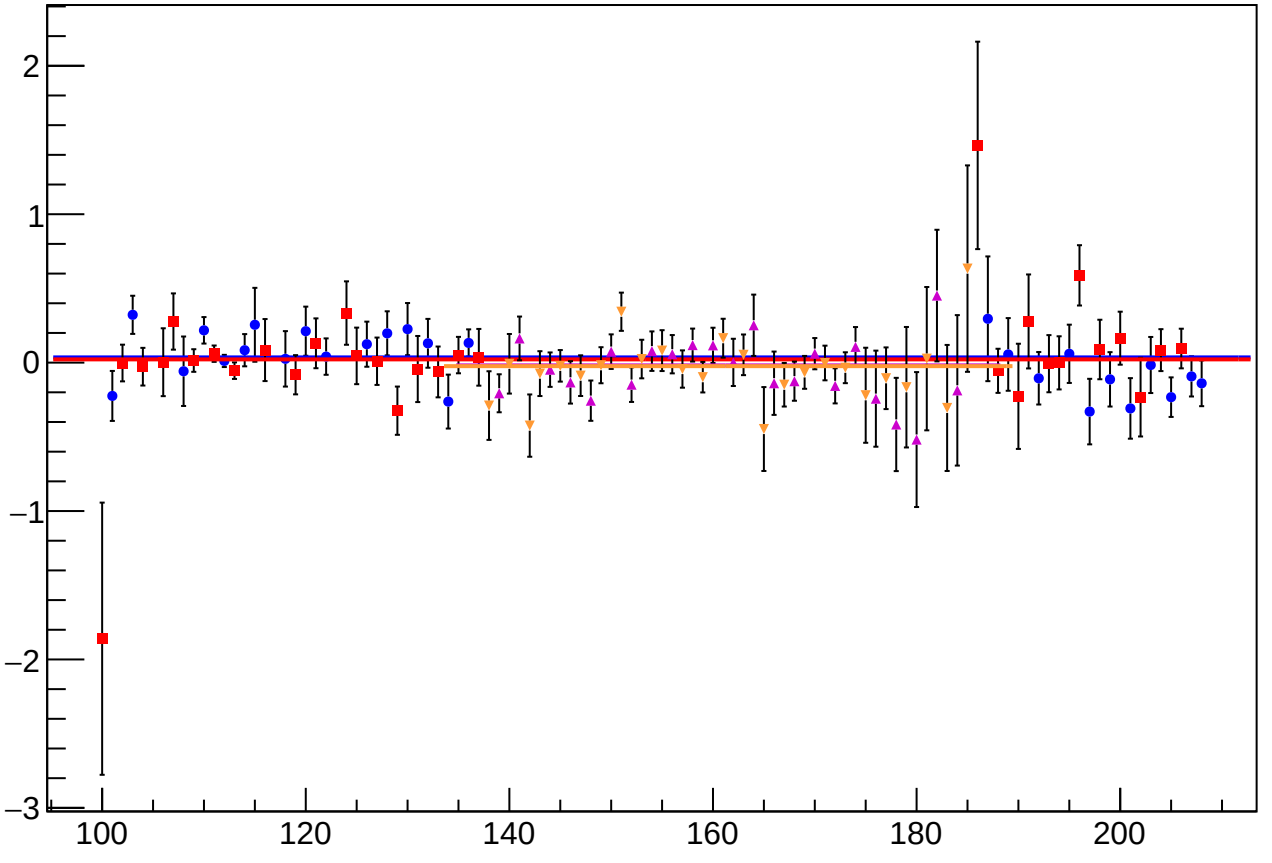
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 95.505+/-0.013 χ^2/NDF: 15169573.3/51

All: 95.954+/-0.009 χ^2/NDF: 28122912.8/105

- sign 96.406+/-0.013 χ^2/NDF: 12951055.7/53

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.024 χ^2/NDF: 34.6/26

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.022+/-0.024 χ^2/NDF: 32.4/30

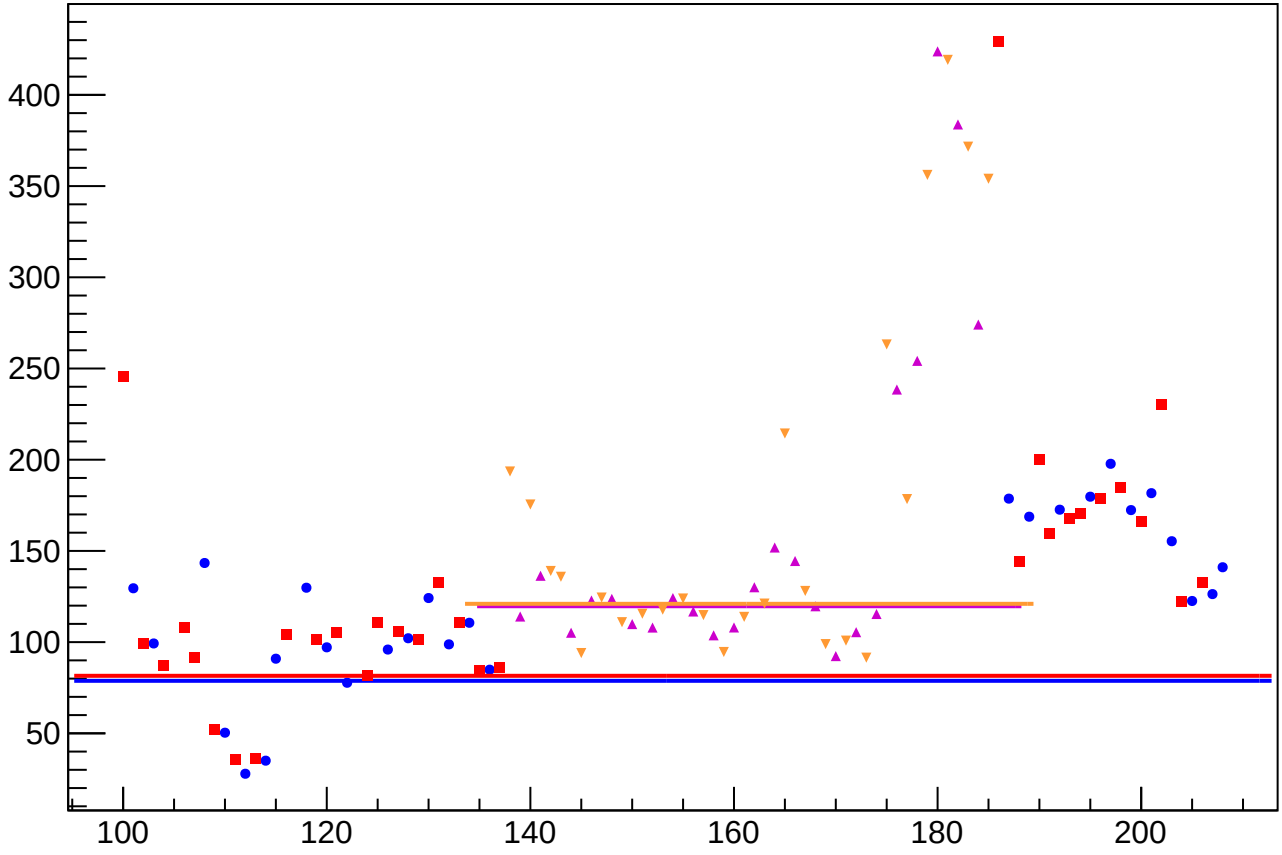
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.012+/-0.019 χ^2/NDF: 59.1/51

All: 0.009+/-0.013 χ^2/NDF: 115.7/105

- sign 0.006+/-0.019 χ^2/NDF: 56.5/53

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 78.795+/-0.017 χ^2/NDF: 8667787.1/26

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

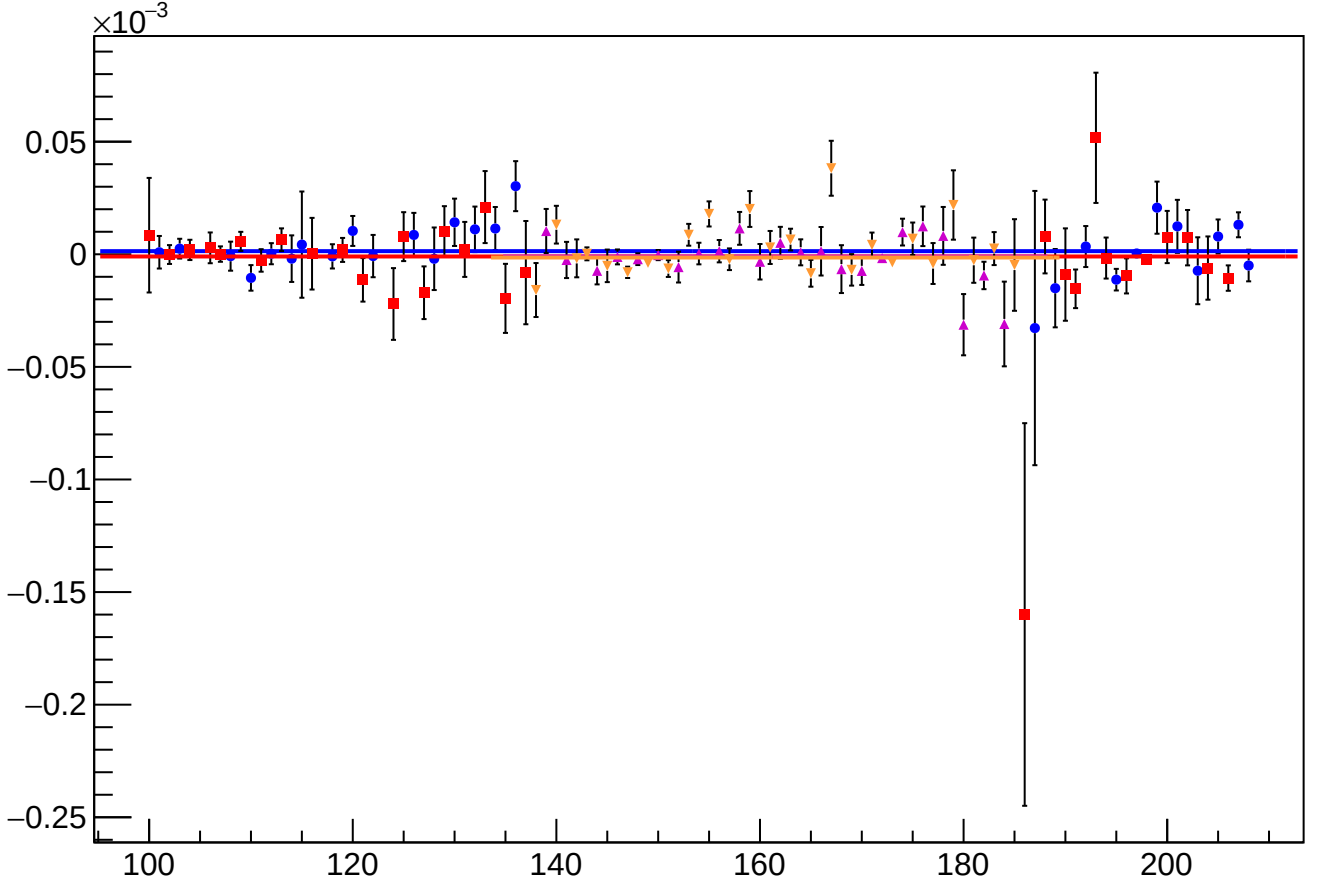
Right Out: 81.538+/-0.017 χ^2/NDF: 8169497.3/30

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 95.505+/-0.013 χ^2/NDF: 15169573.3/51

All: 95.954+/-0.009 χ^2/NDF: 28122912.8/105

- sign 96.406+/-0.013 χ^2/NDF: 12951055.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 36.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/30

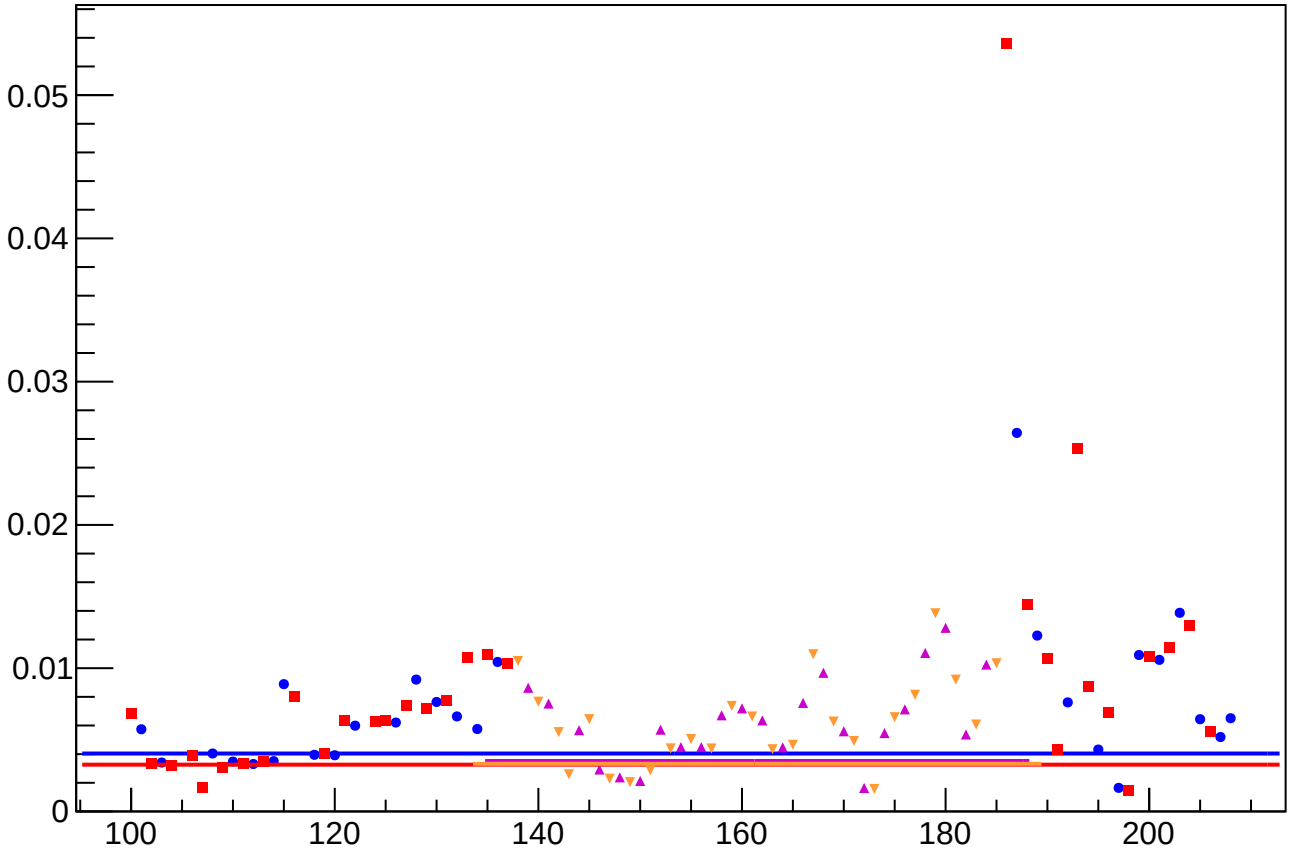
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 100.0/51

All: -0.000+/-0.000 χ^2/NDF: 156.9/105

- sign -0.000+/-0.000 χ^2/NDF: 56.5/53

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 8060907.9/26

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12681272.4/30

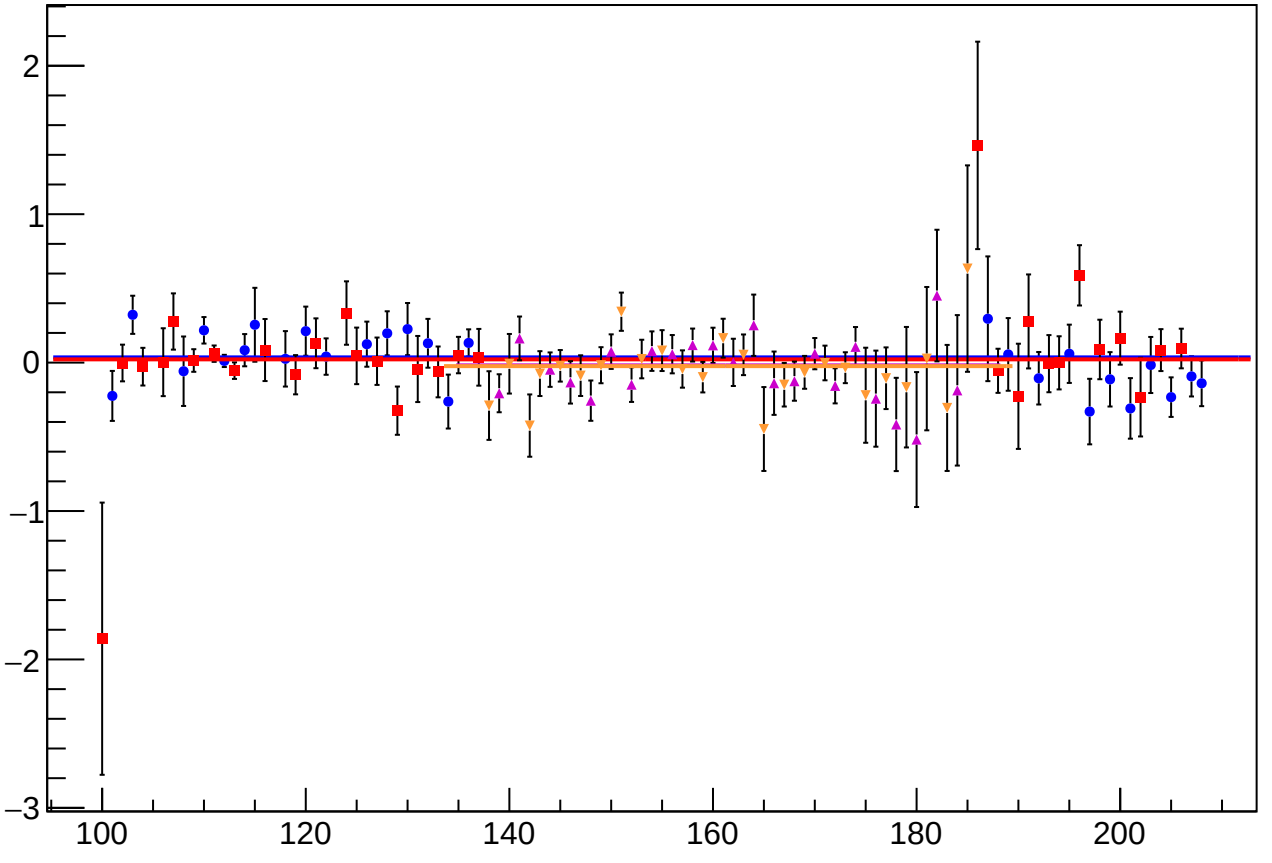
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 18989390.7/51

All: 0.003+/-0.000 χ^2/NDF: 41218990.2/105

- sign 0.003+/-0.000 χ^2/NDF: 22170841.3/53

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.024 χ^2/NDF: 34.6/26

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.022+/-0.024 χ^2/NDF: 32.4/30

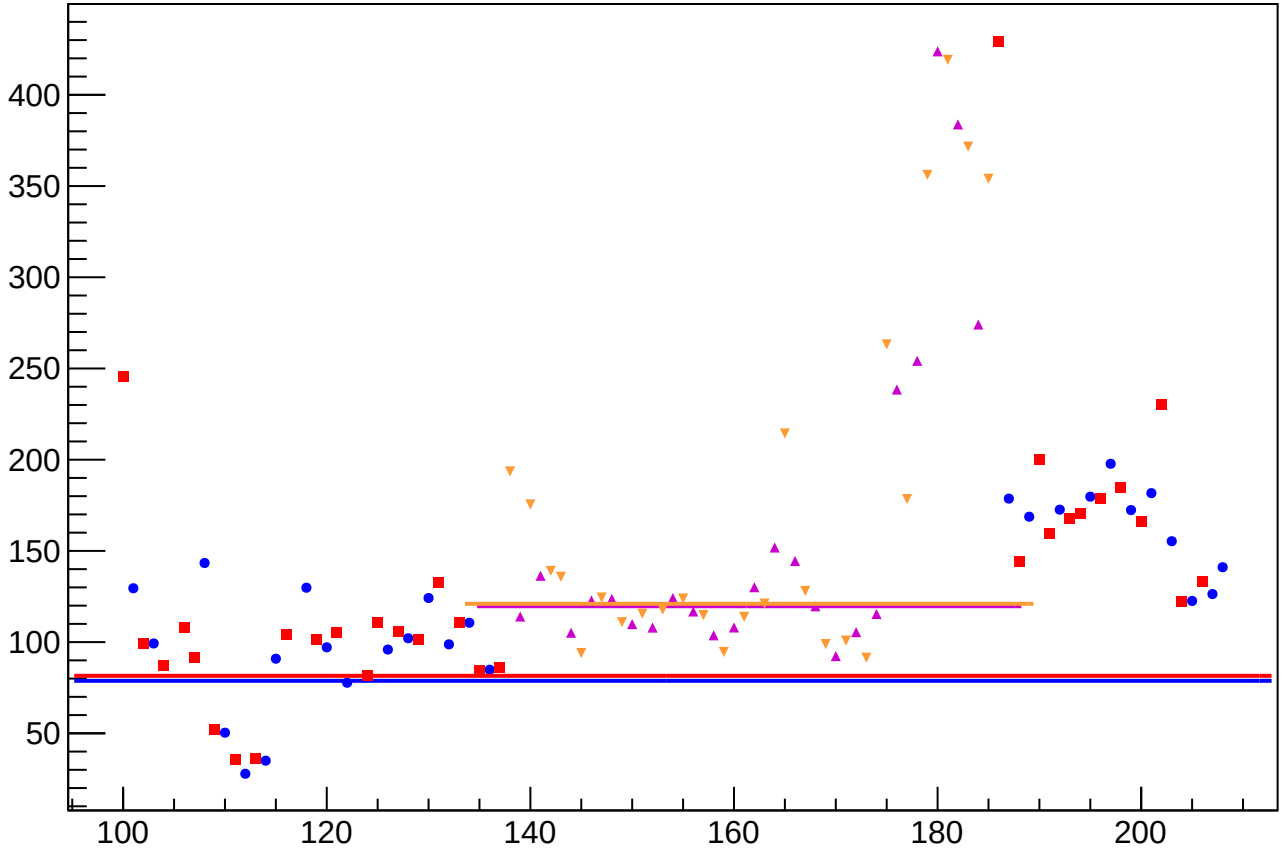
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.012+/-0.019 χ^2/NDF: 59.1/51

All: 0.009+/-0.013 χ^2/NDF: 115.7/105

- sign 0.006+/-0.019 χ^2/NDF: 56.5/53

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 78.793+/-0.017 χ^2/NDF: 8668251.2/26

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

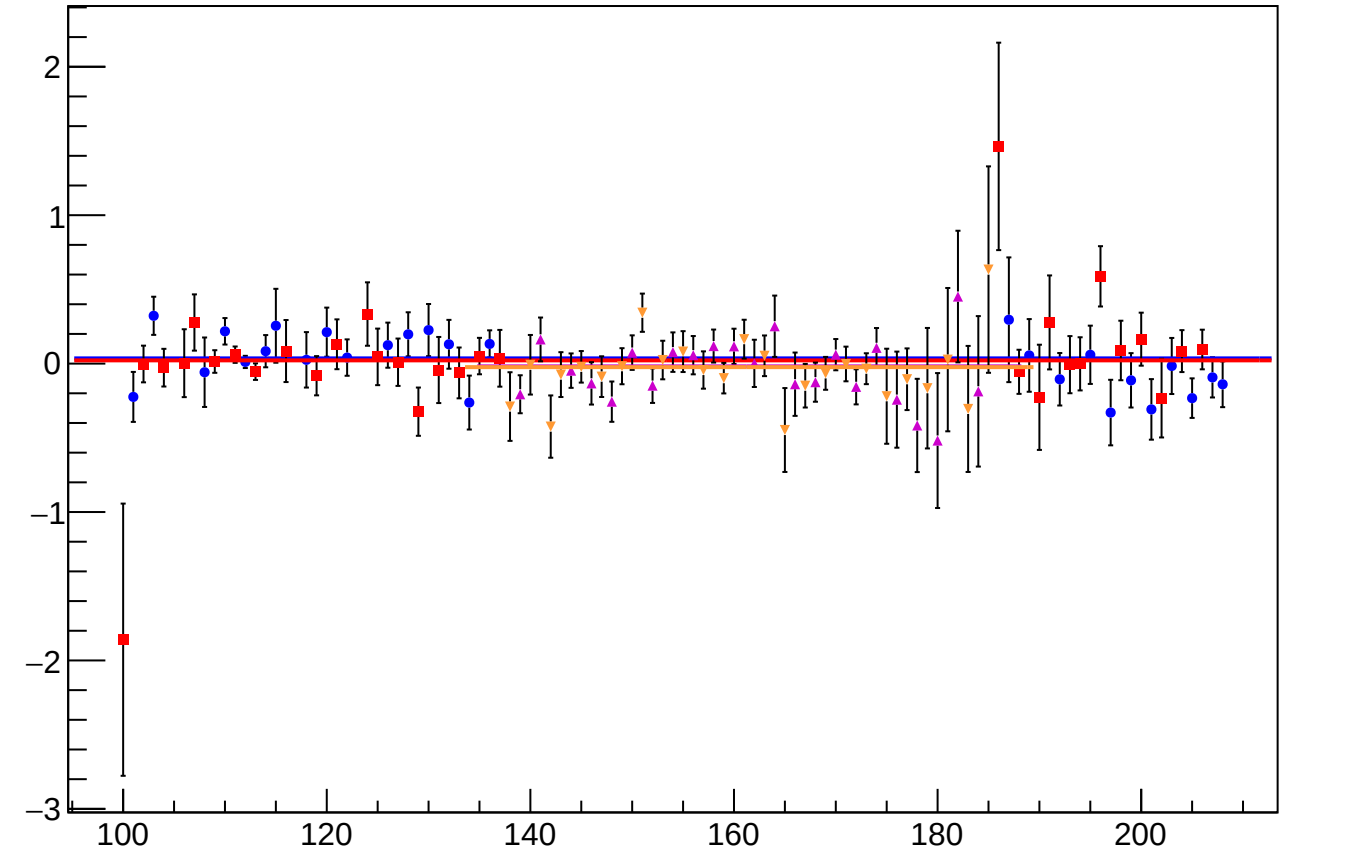
Right Out: 81.536+/-0.017 χ^2/NDF: 8169979.7/30

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 95.504+/-0.013 χ^2/NDF: 15170368.4/51

All: 95.953+/-0.009 χ^2/NDF: 28124428.3/105

- sign 96.405+/-0.013 χ^2/NDF: 12951774.4/53



Right In: 0.035+/-0.024 χ^2/NDF: 34.6/26

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

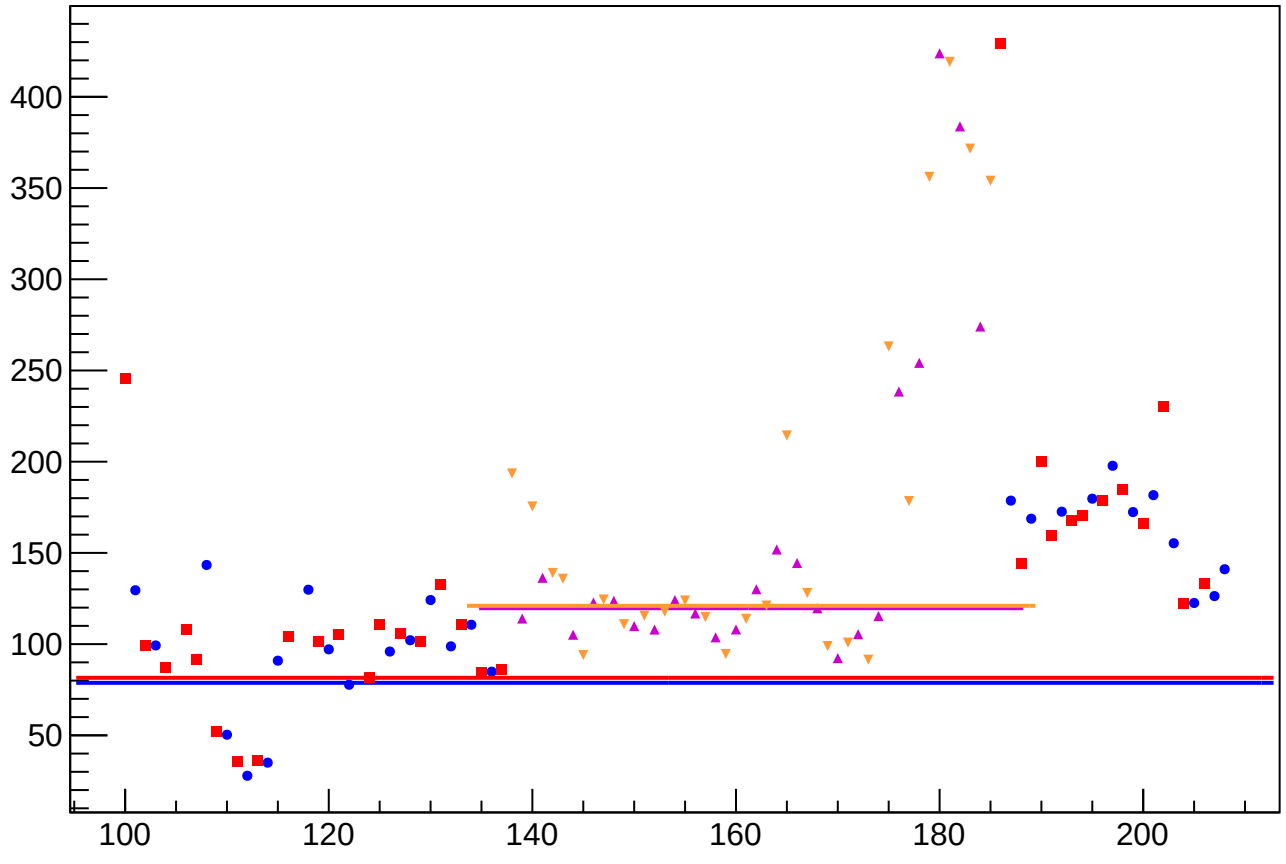
Right Out: 0.022+/-0.024 χ^2/NDF: 32.4/30

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.012+/-0.019 χ^2/NDF: 59.1/51

All: 0.009+/-0.013 χ^2/NDF: 115.7/105

- sign 0.006+/-0.019 χ^2/NDF: 56.5/53



Right In: 78.793+/-0.017 χ^2/NDF: 8668251.2/26

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 81.536+/-0.017 χ^2/NDF: 8169979.7/30

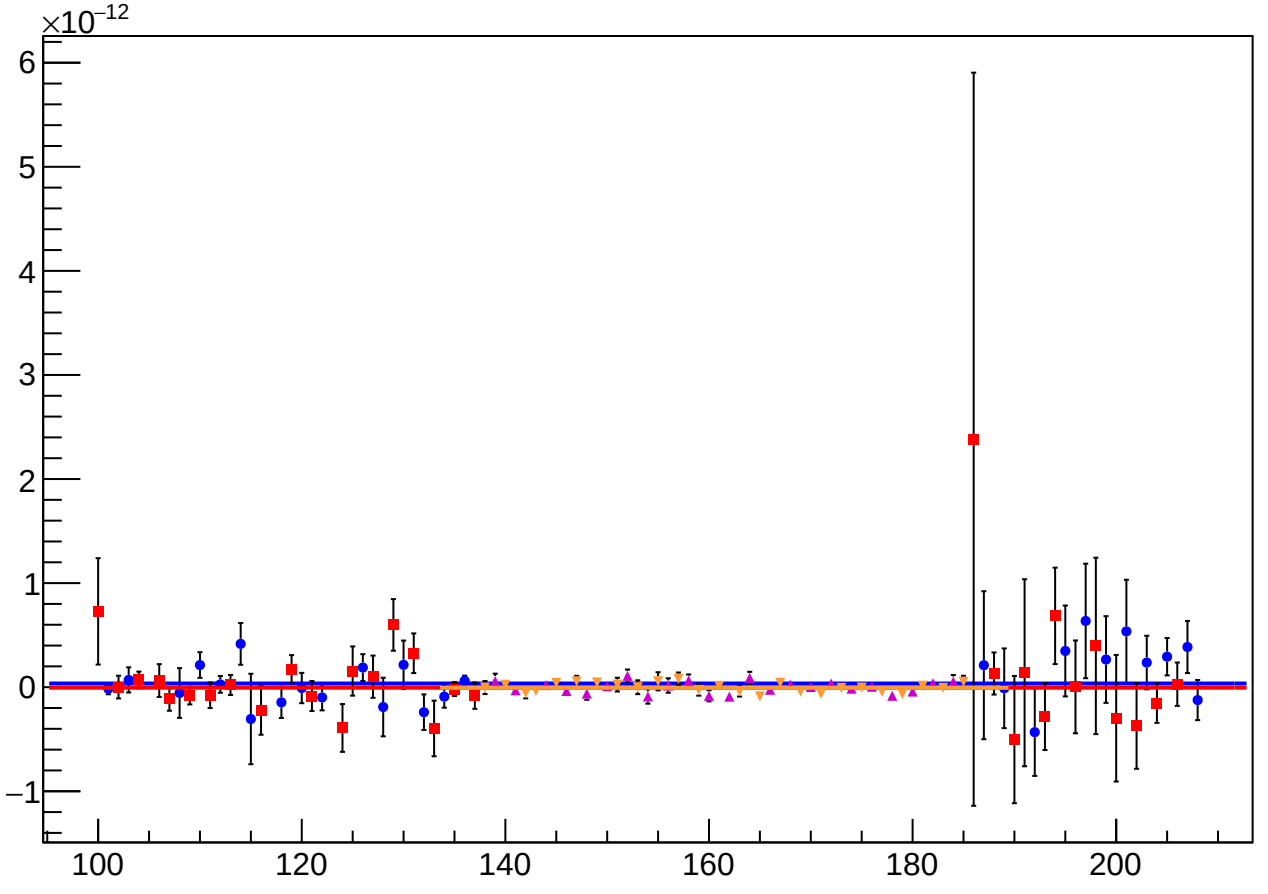
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 95.504+/-0.013 χ^2/NDF: 15170368.4/51

All: 95.953+/-0.009 χ^2/NDF: 28124428.3/105

- sign 96.405+/-0.013 χ^2/NDF: 12951774.4/53

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

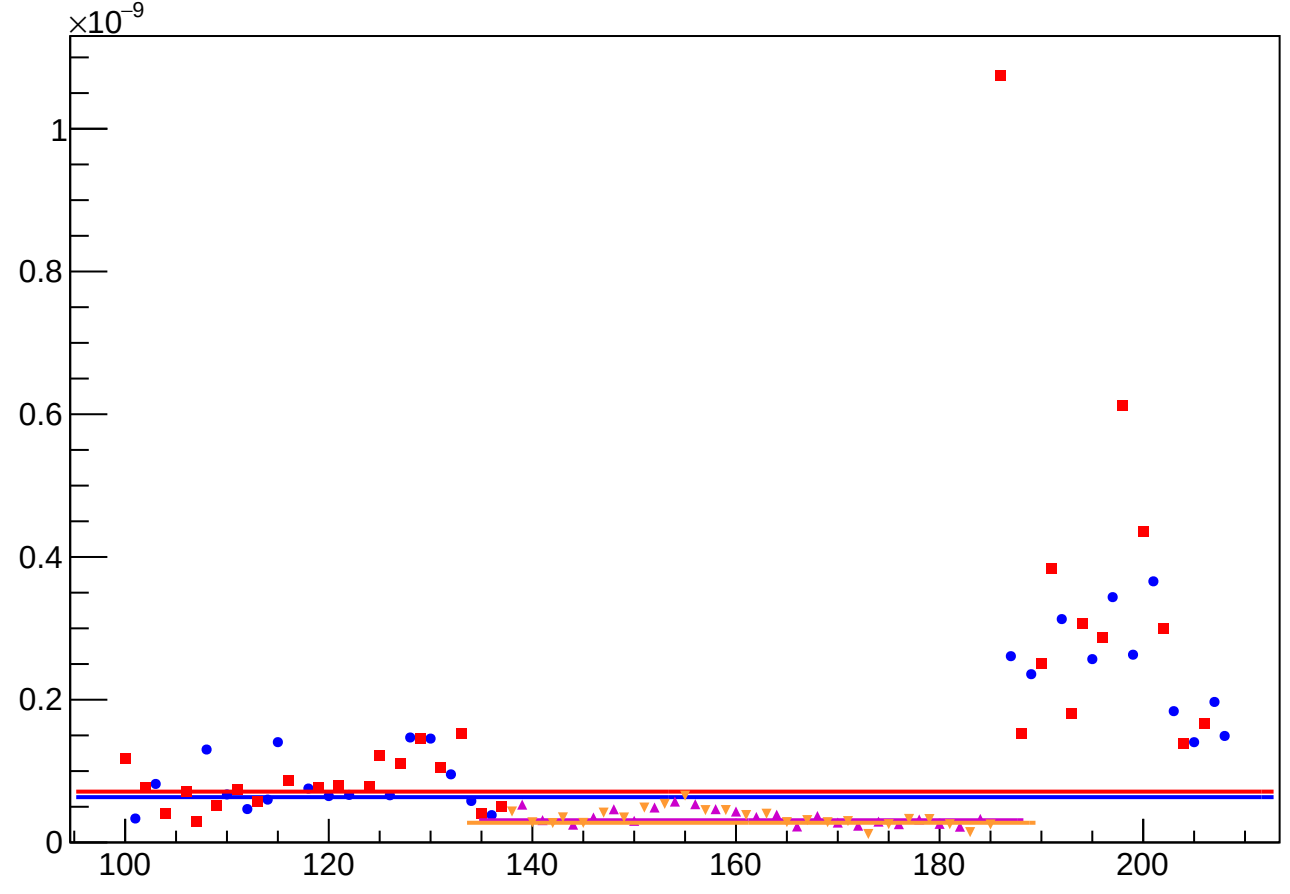
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/30

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.3/51

All: -0.000+/-0.000 χ^2/NDF: 108.5/105

- sign -0.000+/-0.000 χ^2/NDF: 57.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 7144031.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6778787.7/30

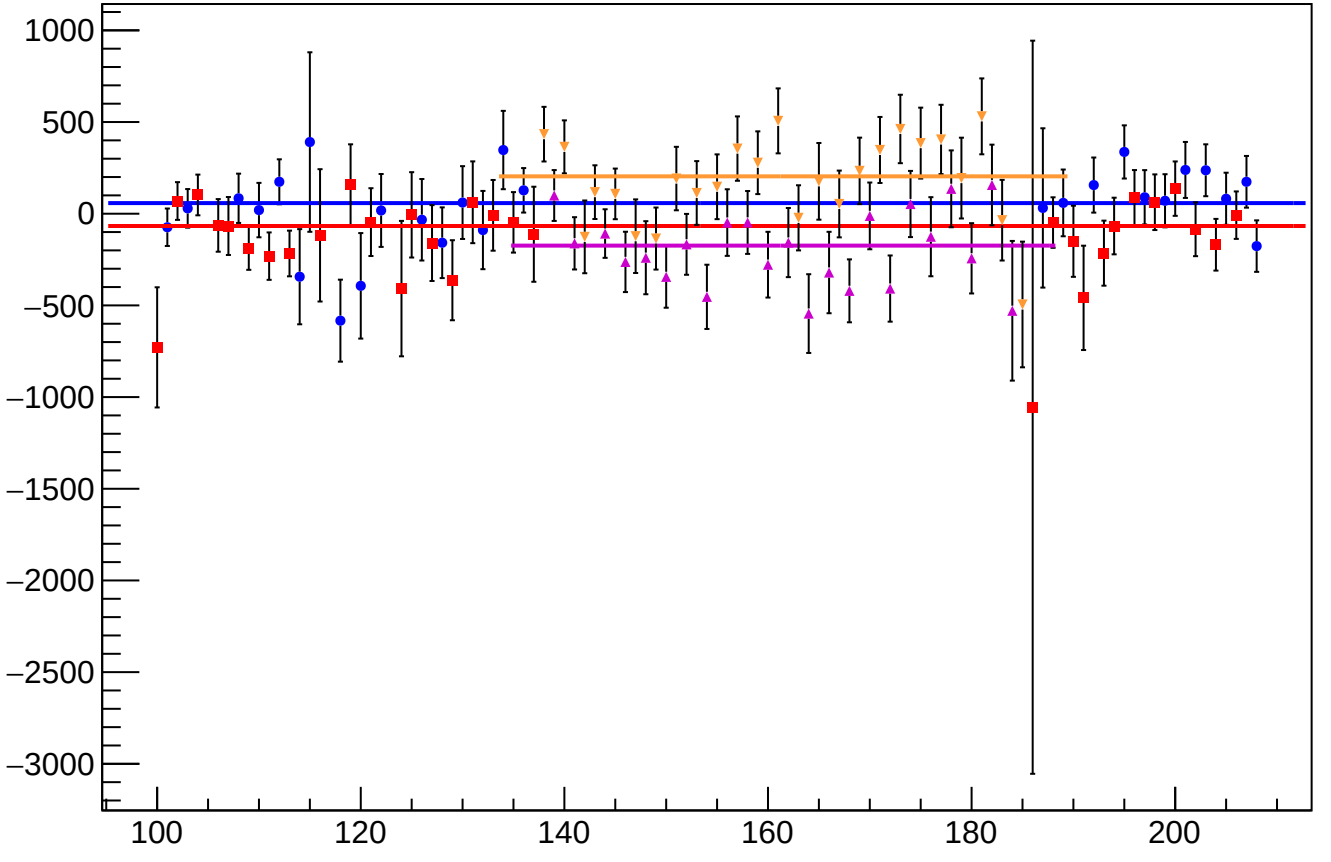
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14527965.0/51

All: 0.000+/-0.000 χ^2/NDF: 27303361.0/105

- sign 0.000+/-0.000 χ^2/NDF: 12533859.4/53

reg_asym_sam5_mean vs Slug



Right In: 57.891+/-30.455 χ^2/NDF: 31.1/26

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -67.035+/-29.474 χ^2/NDF: 24.2/30

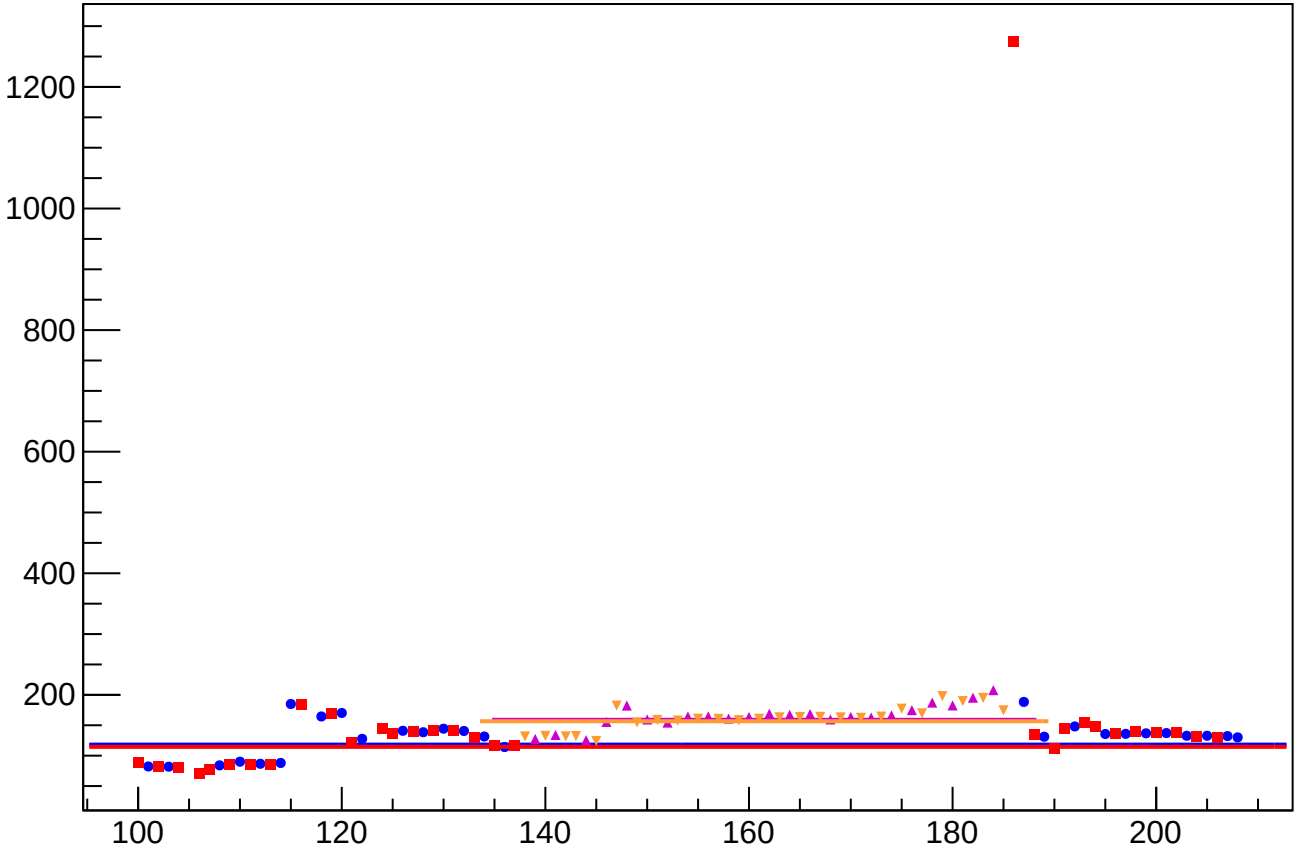
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 118.981+/-23.218 χ^2/NDF: 73.6/51

All: 5.161+/-16.394 χ^2/NDF: 175.3/105

- sign -107.999+/-23.151 χ^2/NDF: 53.8/53

reg_asym_sam5_rms vs Slug



Right In: 118.176+/-0.022 χ^2/NDF: 1487966.0/26

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 114.478+/-0.021 χ^2/NDF: 2554133.7/30

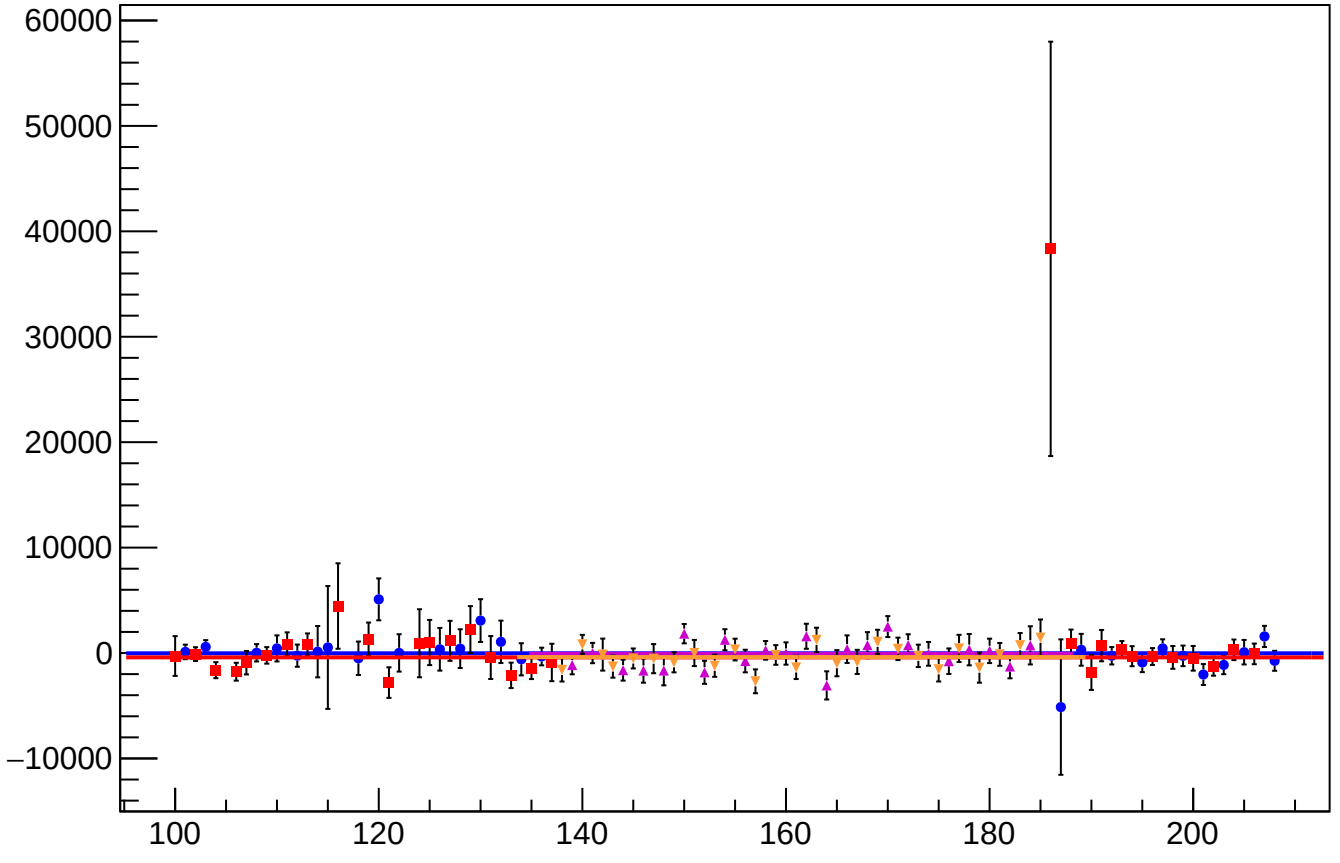
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.284+/-0.016 χ^2/NDF: 3406270.0/51

All: 132.895+/-0.012 χ^2/NDF: 8230298.1/105

- sign 131.514+/-0.016 χ^2/NDF: 4809754.8/53

asym_sam5_reg_correction_mean vs Slug



Right In: -25.689+/-211.822 χ^2/NDF: 21.7/26

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -412.916+/-202.754 χ^2/NDF: 27.9/30

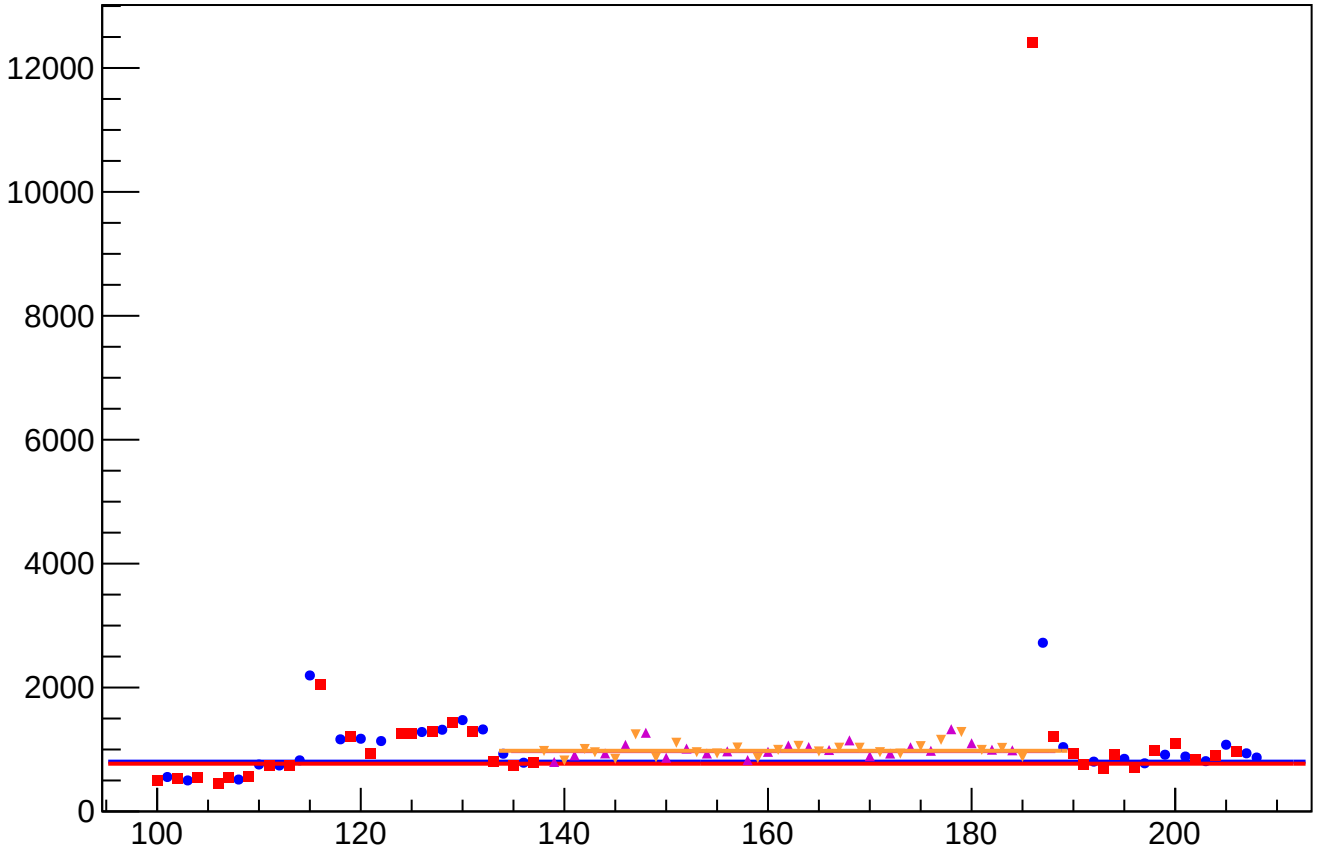
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -192.841+/-154.085 χ^2/NDF: 41.7/51

All: -229.278+/-108.222 χ^2/NDF: 104.0/105

- sign -264.751+/-152.032 χ^2/NDF: 62.1/53

asym_sam5_reg_correction_rms vs Slug



Right In: 803.972+/-0.150 χ^2/NDF: 2380944.8/26

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 770.690+/-0.143 χ^2/NDF: 3413140.4/30

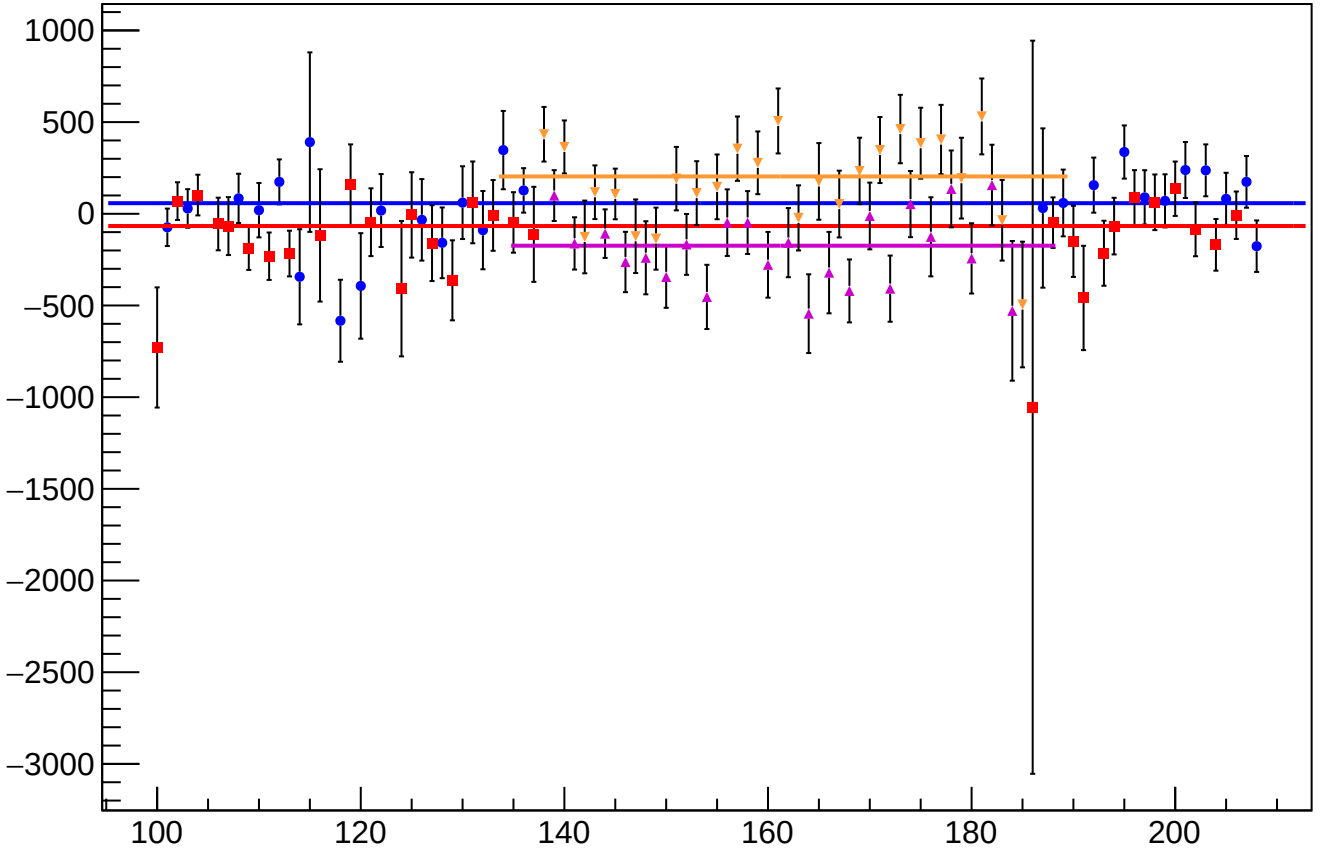
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 886.436+/-0.109 χ^2/NDF: 3454520.8/51

All: 872.842+/-0.077 χ^2/NDF: 8275714.0/105

- sign 859.608+/-0.108 χ^2/NDF: 4790470.5/53

cor_asym_sam5_mean vs Slug



Right In: 57.888+/-30.455 χ^2/NDF: 31.1/26

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -66.716+/-29.476 χ^2/NDF: 24.2/30

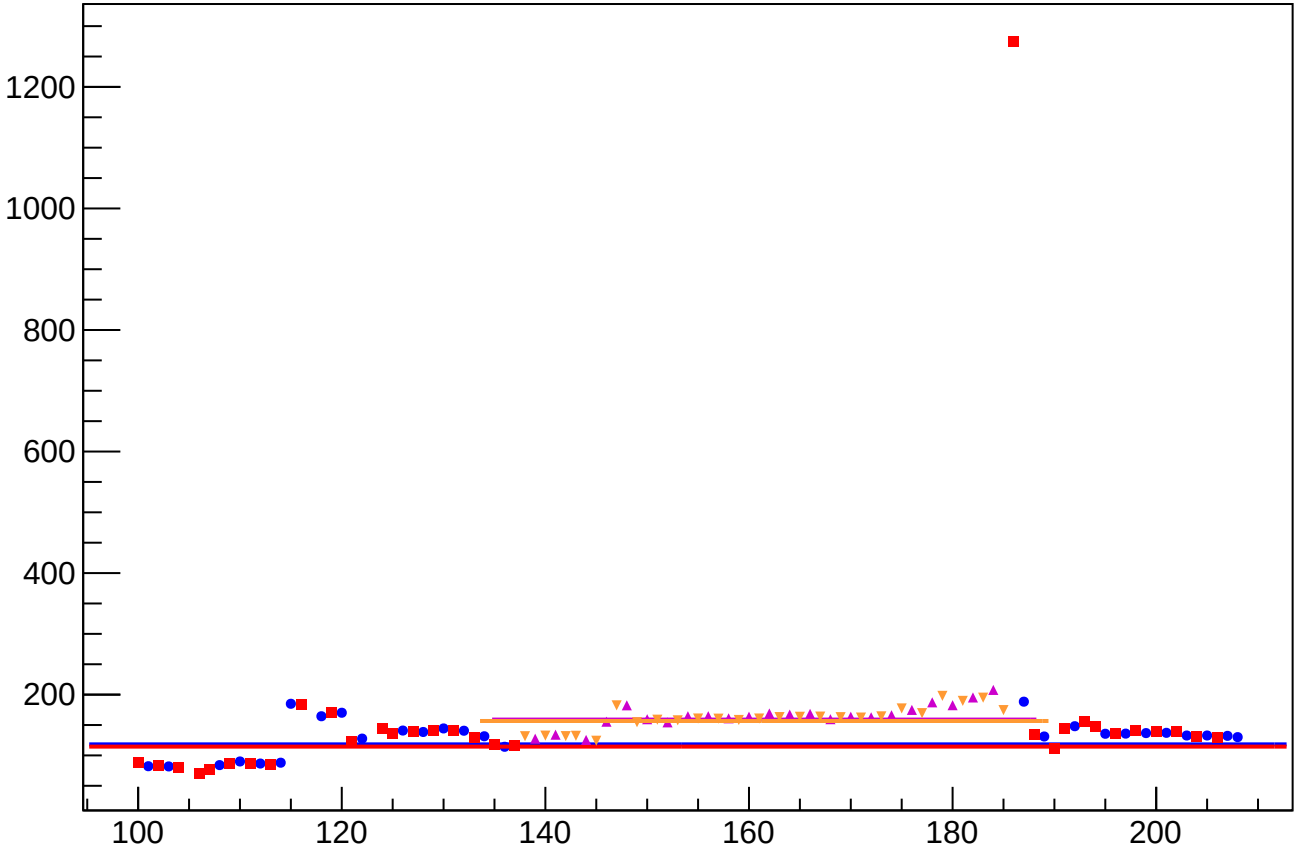
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 118.982+/-23.218 χ^2/NDF: 73.6/51

All: 5.261+/-16.394 χ^2/NDF: 175.2/105

- sign -107.806+/-23.151 χ^2/NDF: 53.8/53

cor_asym_sam5_rms vs Slug



Right In: 118.176+/-0.022 χ^2/NDF: 1487964.7/26

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 114.464+/-0.021 χ^2/NDF: 2557272.1/30

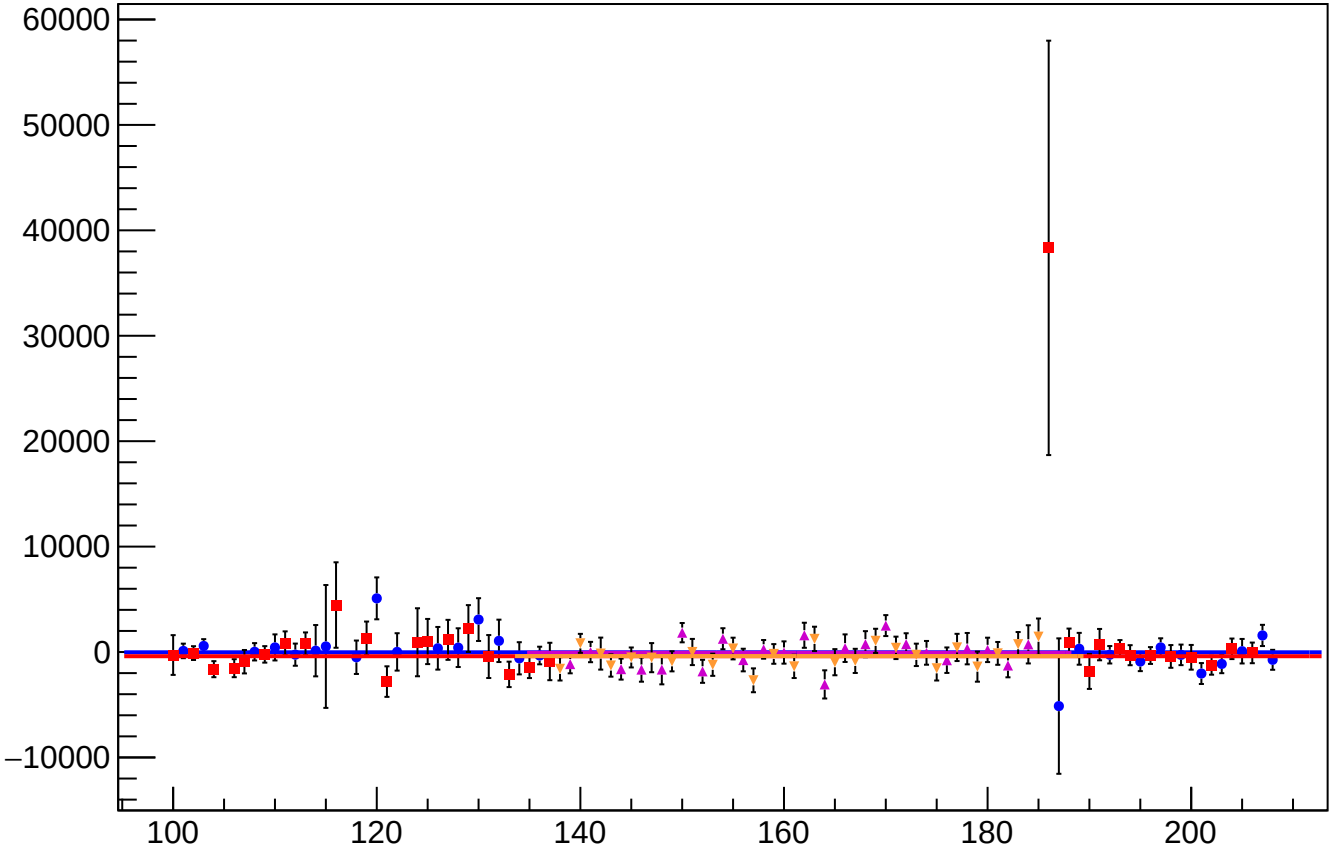
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.284+/-0.016 χ^2/NDF: 3406268.0/51

All: 132.891+/-0.012 χ^2/NDF: 8234484.3/105

- sign 131.507+/-0.016 χ^2/NDF: 4813868.8/53

asym_sam5_cor_correction_mean vs Slug



Right In: -25.687+/-211.822 χ^2/NDF: 21.7/26

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -398.232+/-202.829 χ^2/NDF: 27.0/30

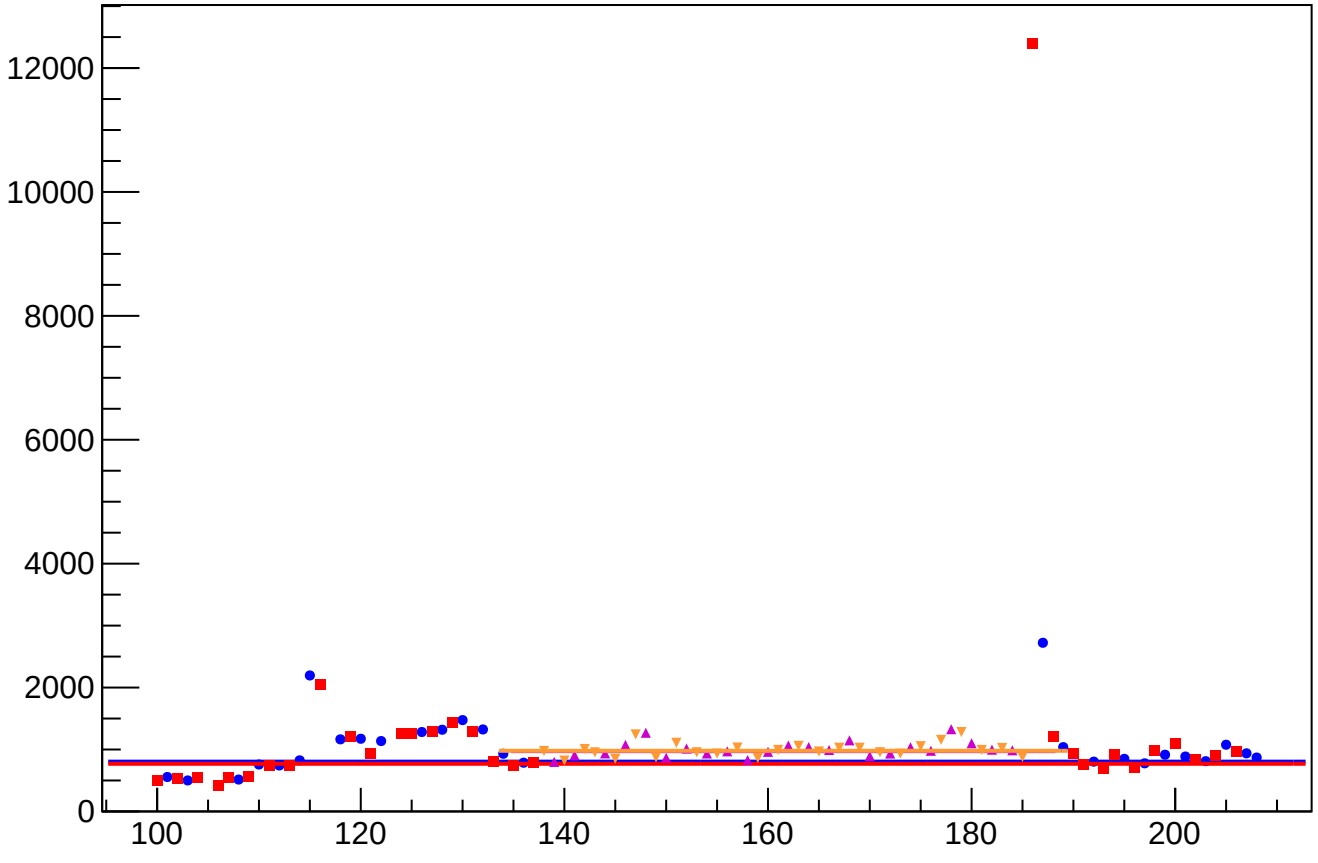
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -192.834+/-154.085 χ^2/NDF: 41.7/51

All: -225.054+/-108.233 χ^2/NDF: 103.0/105

- sign -256.434+/-152.064 χ^2/NDF: 61.2/53

asym_sam5_cor_correction_rms vs Slug



Right In: 803.972+/-0.150 χ^2/NDF: 2380949.0/26

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 769.552+/-0.143 χ^2/NDF: 3454042.6/30

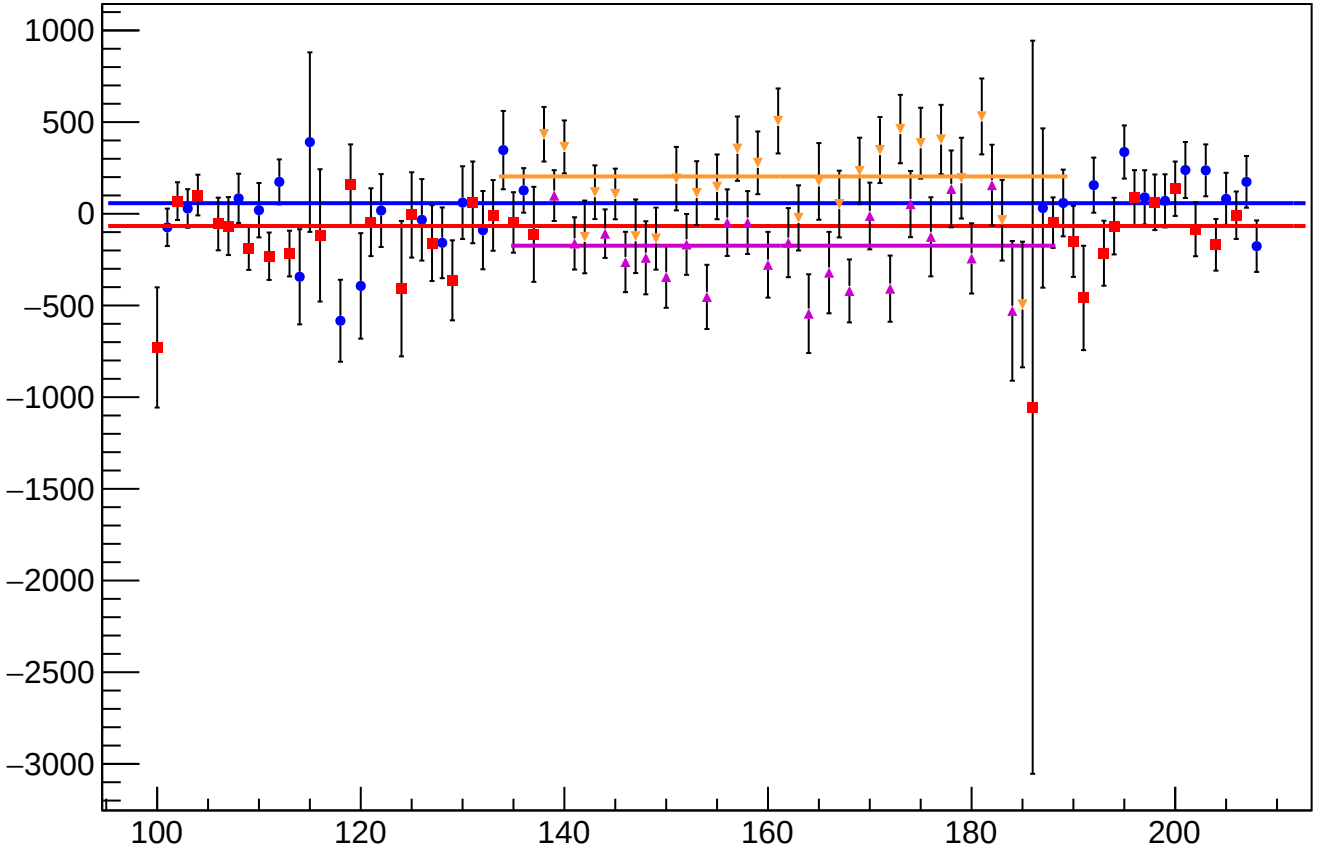
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 886.436+/-0.109 χ^2/NDF: 3454526.7/51

All: 872.540+/-0.077 χ^2/NDF: 8327596.7/105

- sign 859.005+/-0.108 χ^2/NDF: 4840958.8/53

eigen_cor_asym_sam5_mean vs Slug



Right In: 57.888+/-30.455 χ^2/NDF: 31.1/26

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -66.716+/-29.476 χ^2/NDF: 24.2/30

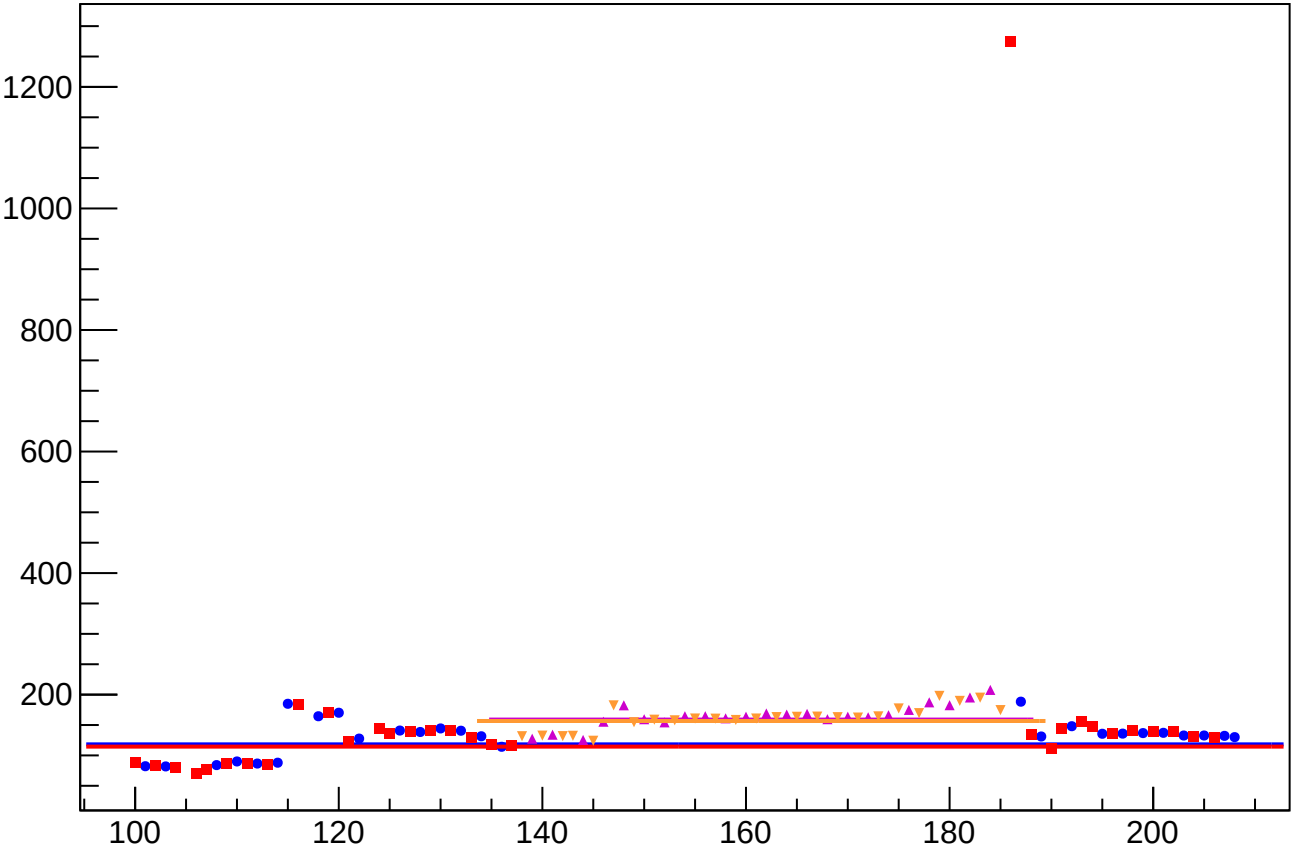
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 118.982+/-23.218 χ^2/NDF: 73.6/51

All: 5.261+/-16.394 χ^2/NDF: 175.2/105

- sign -107.806+/-23.151 χ^2/NDF: 53.8/53

eigen_cor_asym_sam5_rms vs Slug



Right In: 118.176+/-0.022 χ^2/NDF: 1487964.7/26

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

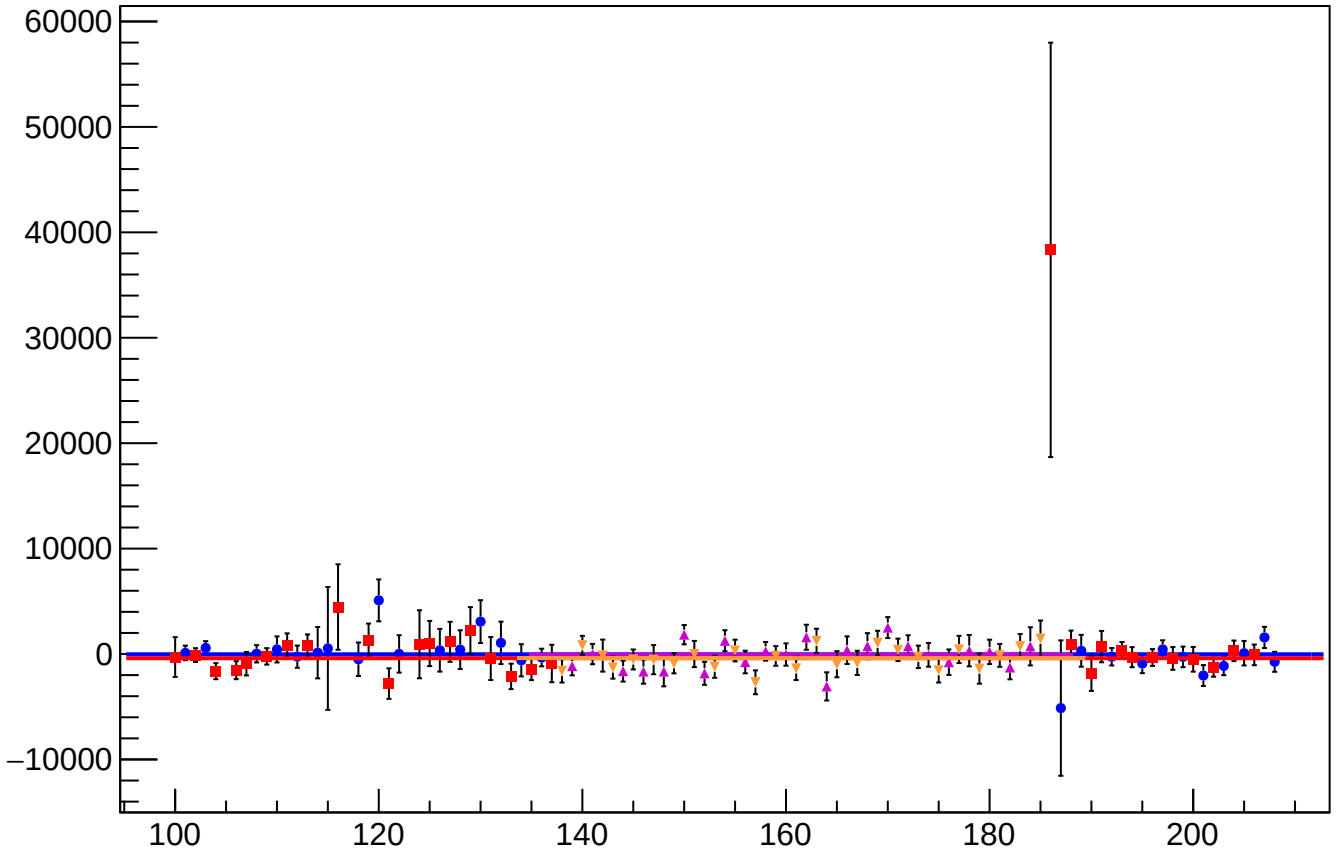
Right Out: 114.464+/-0.021 χ^2/NDF: 2557272.1/30

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.284+/-0.016 χ^2/NDF: 3406268.0/51

All: 132.891+/-0.012 χ^2/NDF: 8234484.3/105

- sign 131.507+/-0.016 χ^2/NDF: 4813868.8/53



Right In: -25.687+/-211.822 χ^2/NDF: 21.7/26

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -398.232+/-202.829 χ^2/NDF: 27.0/30

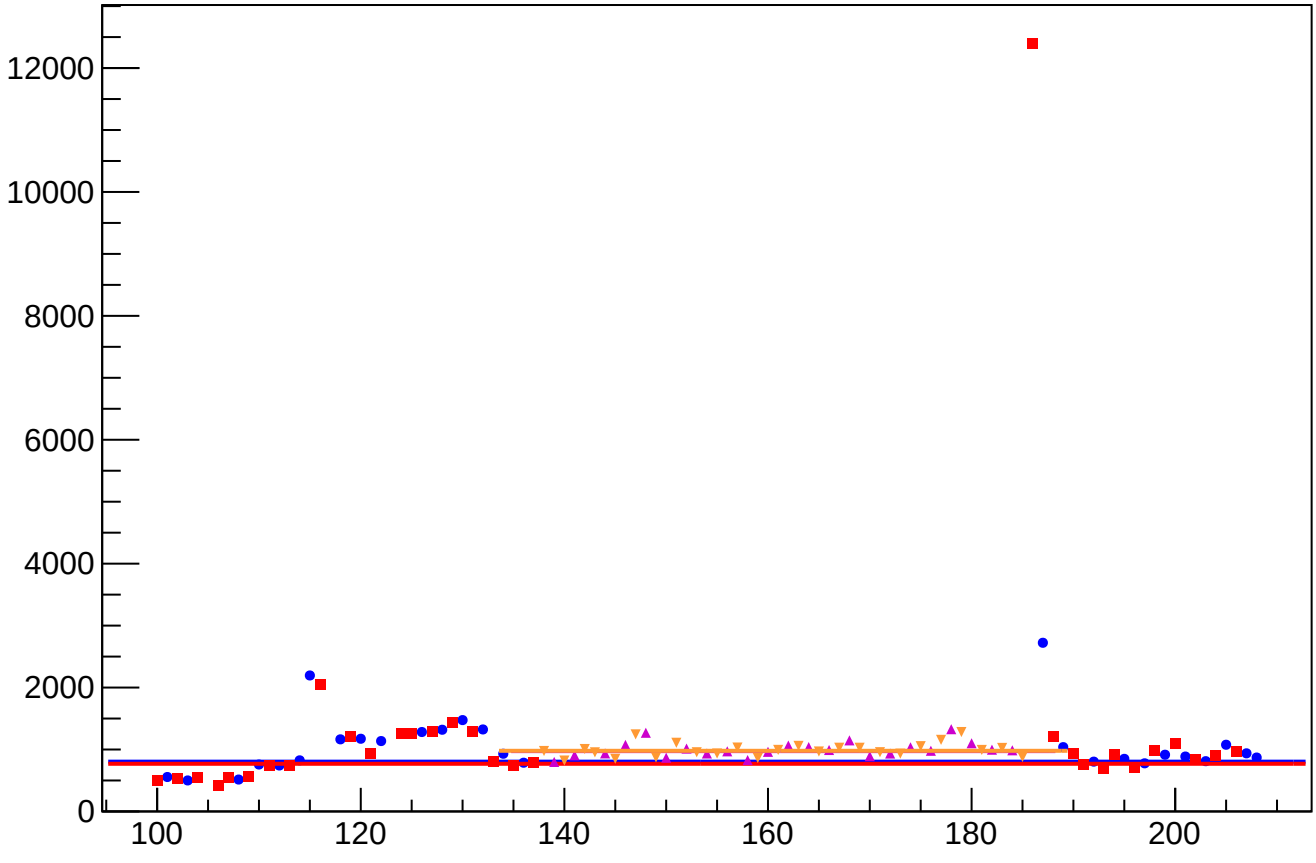
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -192.834+/-154.085 χ^2/NDF: 41.7/51

All: -225.054+/-108.233 χ^2/NDF: 103.0/105

- sign -256.434+/-152.064 χ^2/NDF: 61.2/53

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 803.972+/-0.150 χ^2/NDF: 2380949.0/26

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 769.552+/-0.143 χ^2/NDF: 3454042.6/30

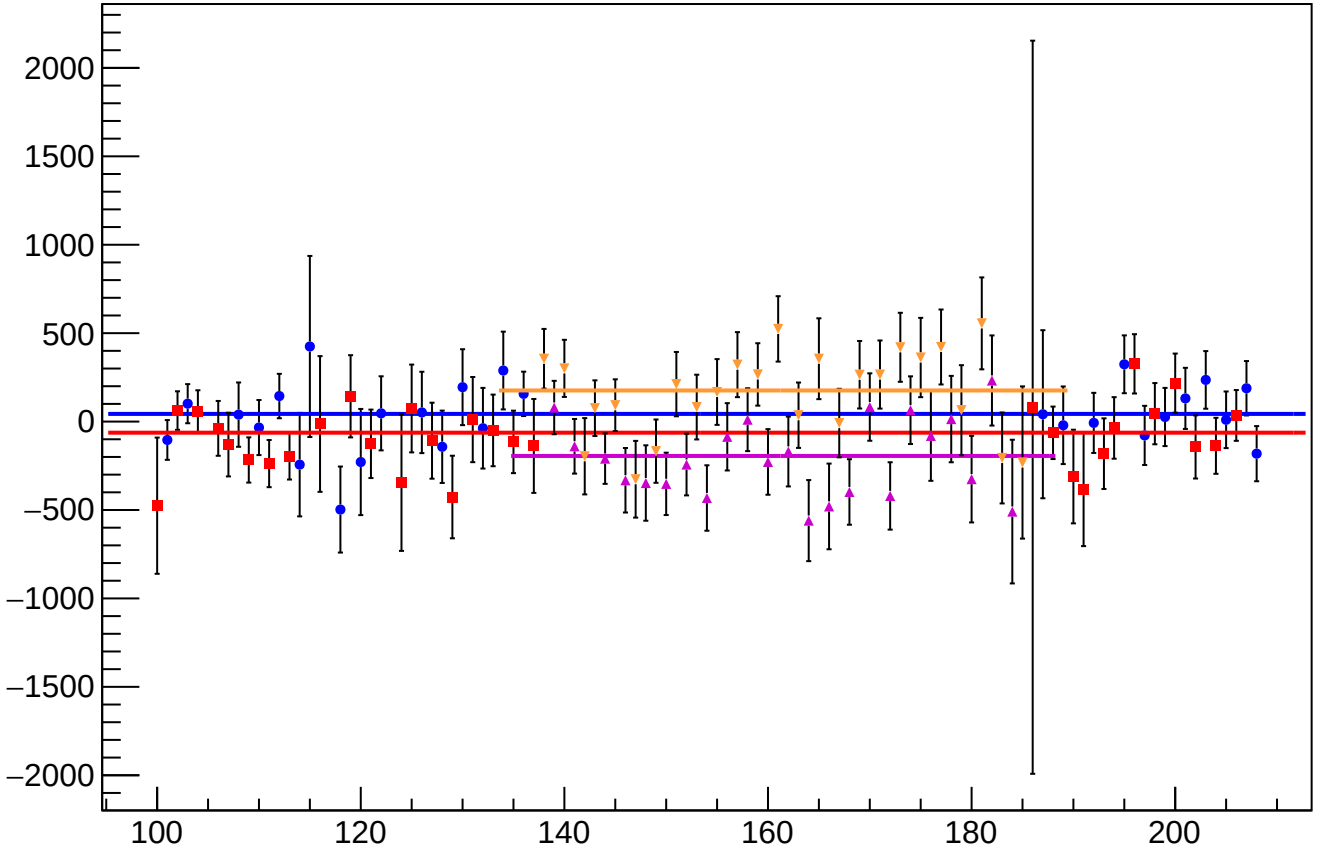
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 886.436+/-0.109 χ^2/NDF: 3454526.7/51

All: 872.540+/-0.077 χ^2/NDF: 8327596.7/105

- sign 859.005+/-0.108 χ^2/NDF: 4840958.8/53

dit_asym_sam5_mean vs Slug



Right In: 43.454+/-33.458 χ^2/NDF: 22.0/26

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -62.729+/-32.261 χ^2/NDF: 24.0/30

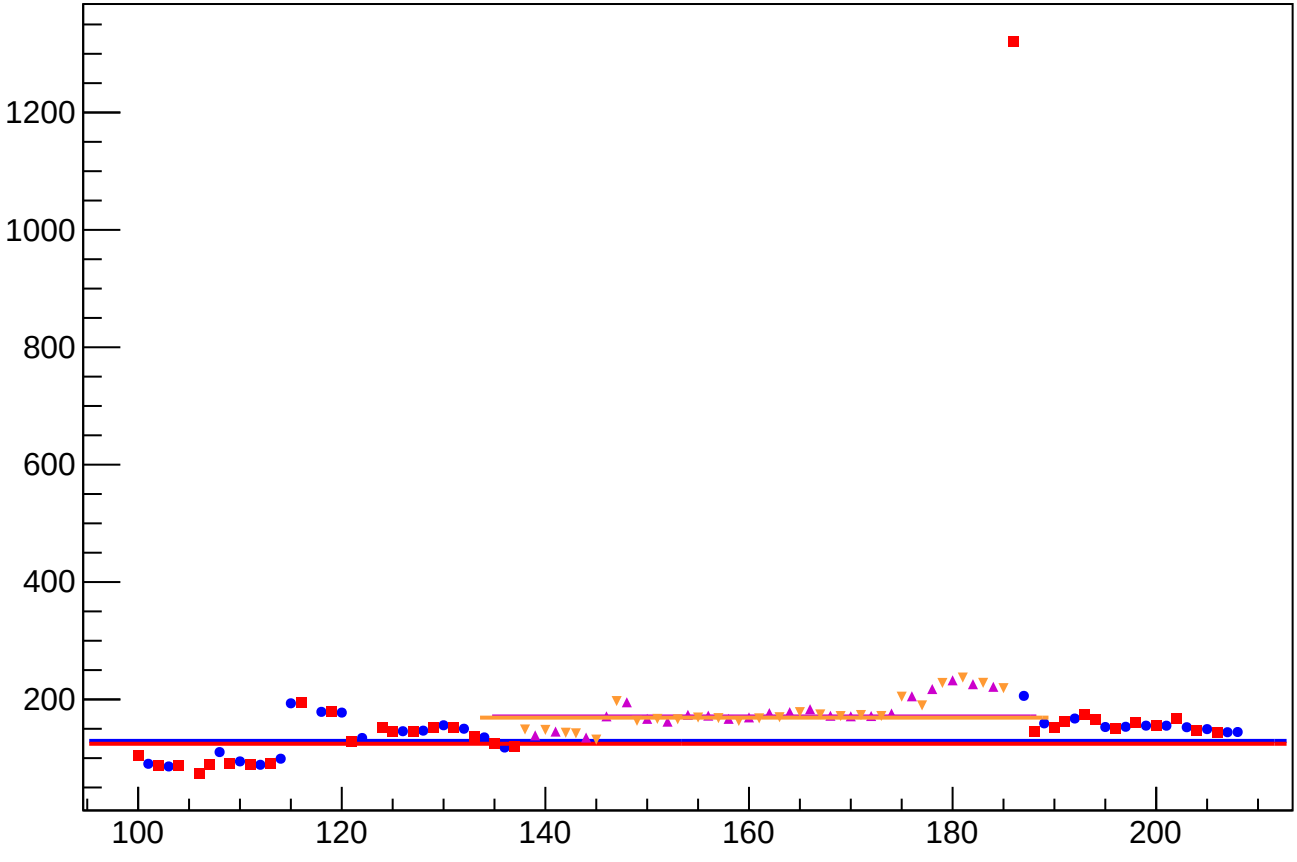
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 99.922+/-25.349 χ^2/NDF: 59.4/51

All: -7.641+/-17.873 χ^2/NDF: 149.6/105

- sign -113.995+/-25.206 χ^2/NDF: 54.3/53

dit_asym_sam5_rms vs Slug



Right In: 129.369+/-0.024 χ^2/NDF: 1639092.7/26

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 124.472+/-0.023 χ^2/NDF: 2815232.0/30

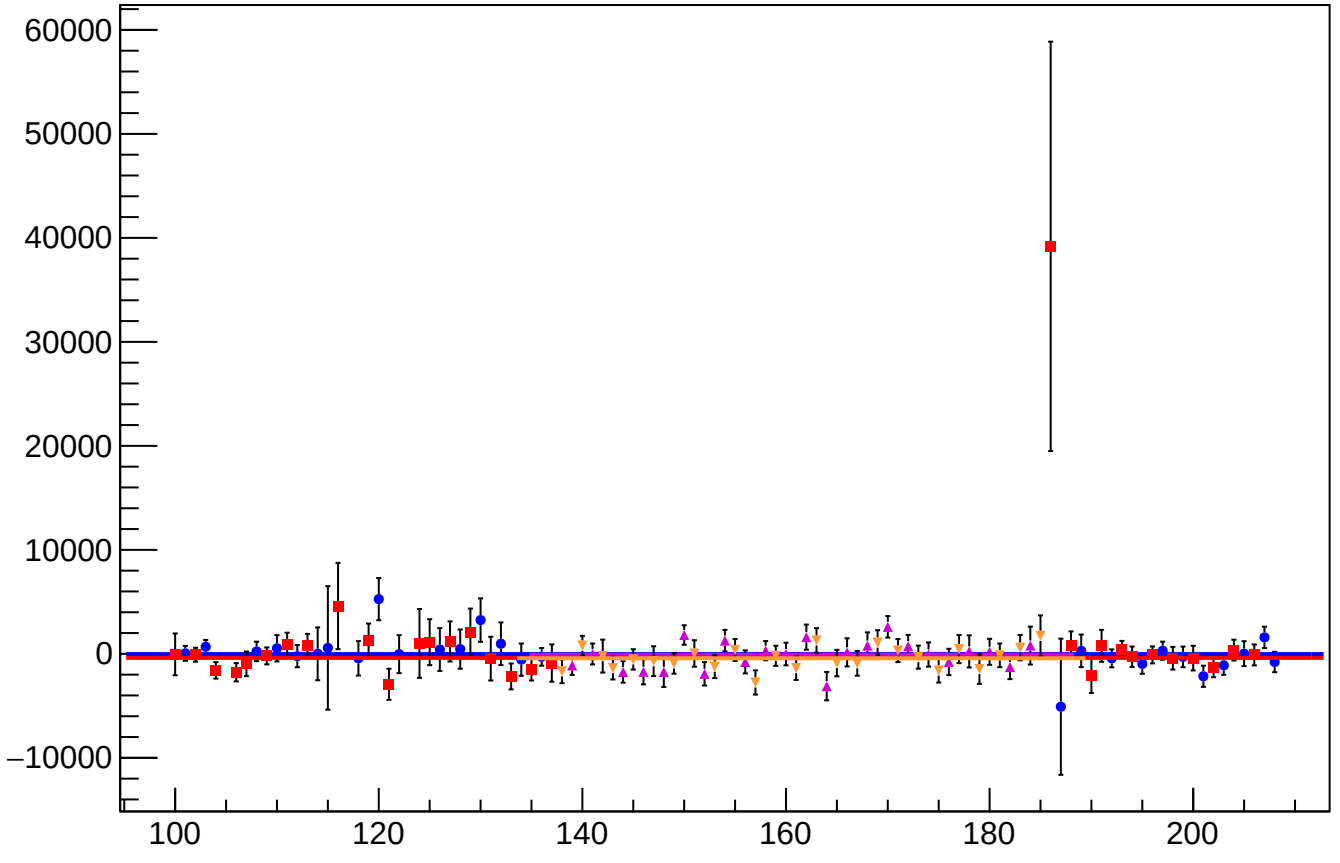
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 146.255+/-0.018 χ^2/NDF: 3609008.2/51

All: 144.420+/-0.013 χ^2/NDF: 8745272.9/105

- sign 142.606+/-0.018 χ^2/NDF: 5115424.5/53

asym_sam5_dit_correction_mean vs Slug



Right In: -24.918+/-219.276 χ^2/NDF: 22.2/26

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -386.401+/-209.436 χ^2/NDF: 27.7/30

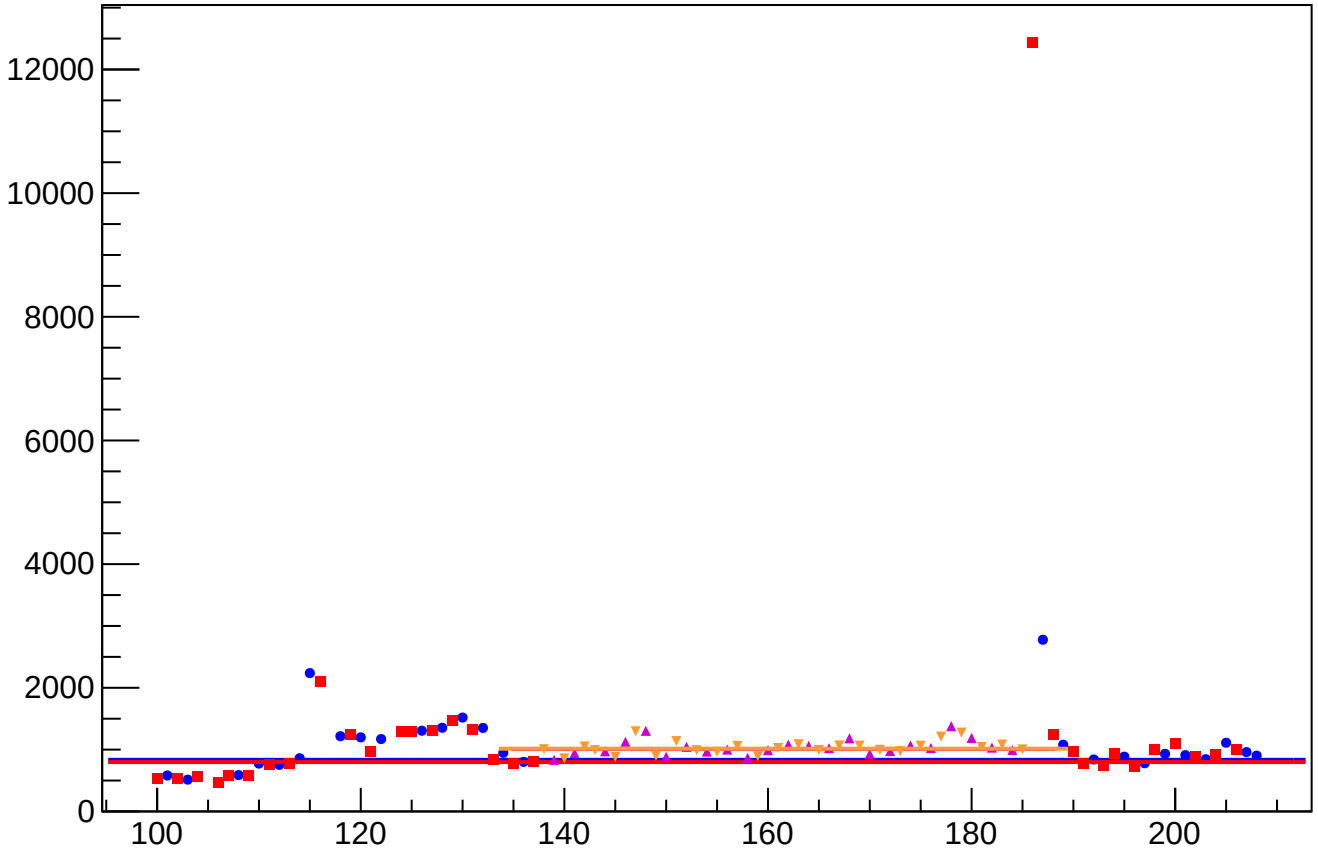
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -213.592+/-159.541 χ^2/NDF: 42.1/51

All: -234.901+/-112.002 χ^2/NDF: 103.2/105

- sign -255.608+/-157.272 χ^2/NDF: 61.1/53

asym_sam5_dit_correction_rms vs Slug



Right In: 834.896+/-0.155 χ^2/NDF: 2245861.4/26

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 798.504+/-0.148 χ^2/NDF: 3295363.4/30

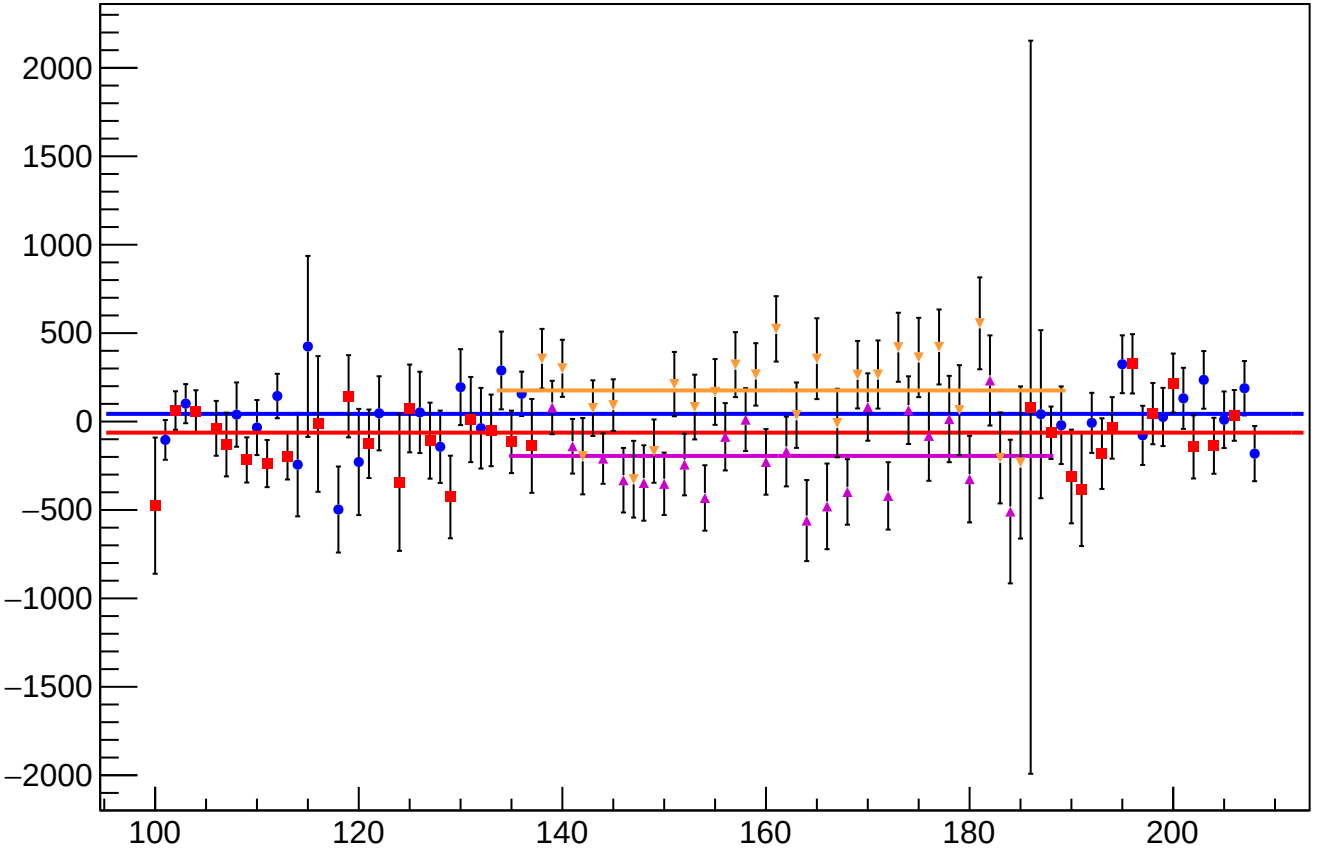
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 919.679+/-0.113 χ^2/NDF: 3279145.4/51

All: 904.928+/-0.079 χ^2/NDF: 7993685.4/105

- sign 890.595+/-0.111 χ^2/NDF: 4680830.8/53

eigen_dit_asym_sam5_mean vs Slug



Right In: 43.454+/-33.457 χ^2/NDF: 22.0/26

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -62.730+/-32.261 χ^2/NDF: 24.0/30

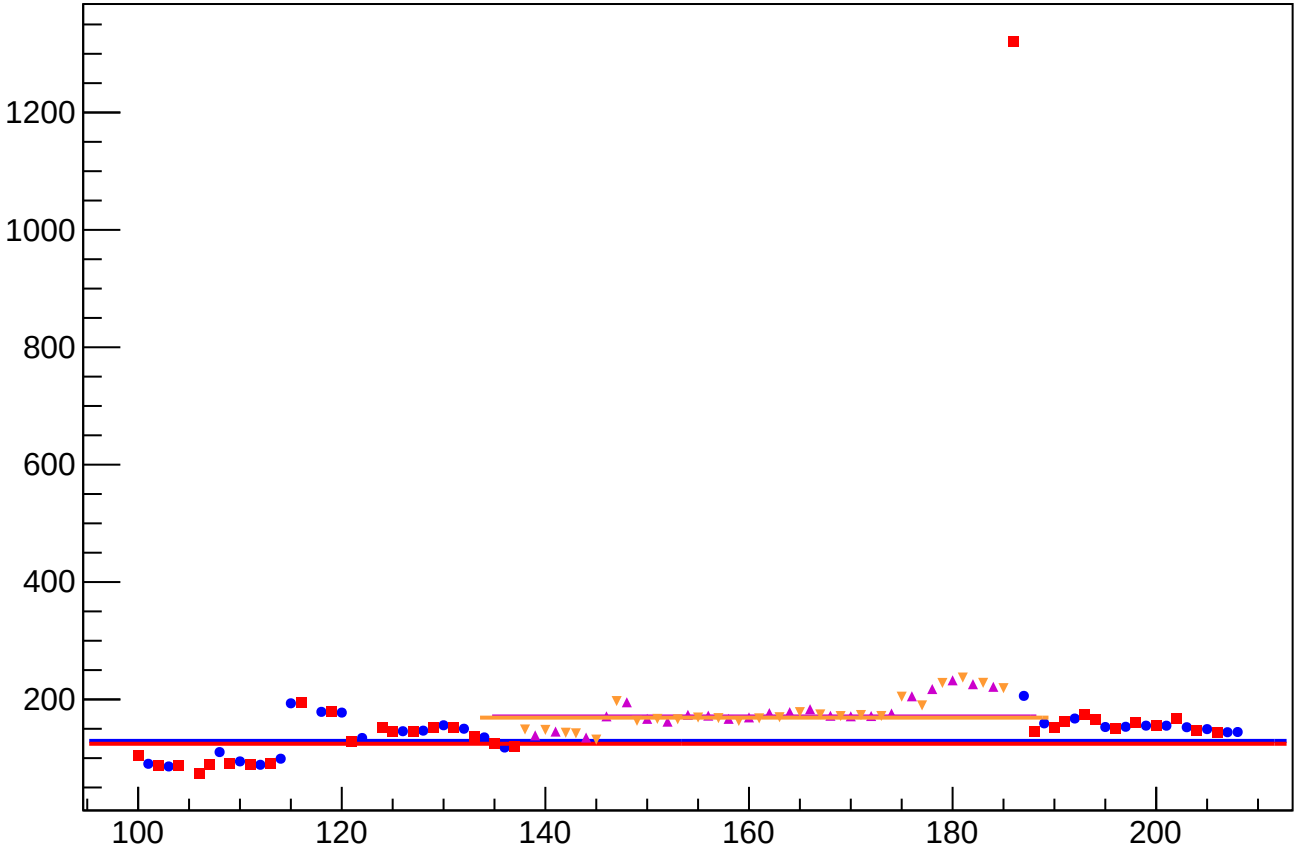
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 99.922+/-25.348 χ^2/NDF: 59.4/51

All: -7.641+/-17.873 χ^2/NDF: 149.6/105

- sign -113.995+/-25.206 χ^2/NDF: 54.3/53

eigen_dit_asym_sam5_rms vs Slug



Right In: 129.368+/-0.024 χ^2/NDF: 1639097.9/26

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 124.472+/-0.023 χ^2/NDF: 2815235.5/30

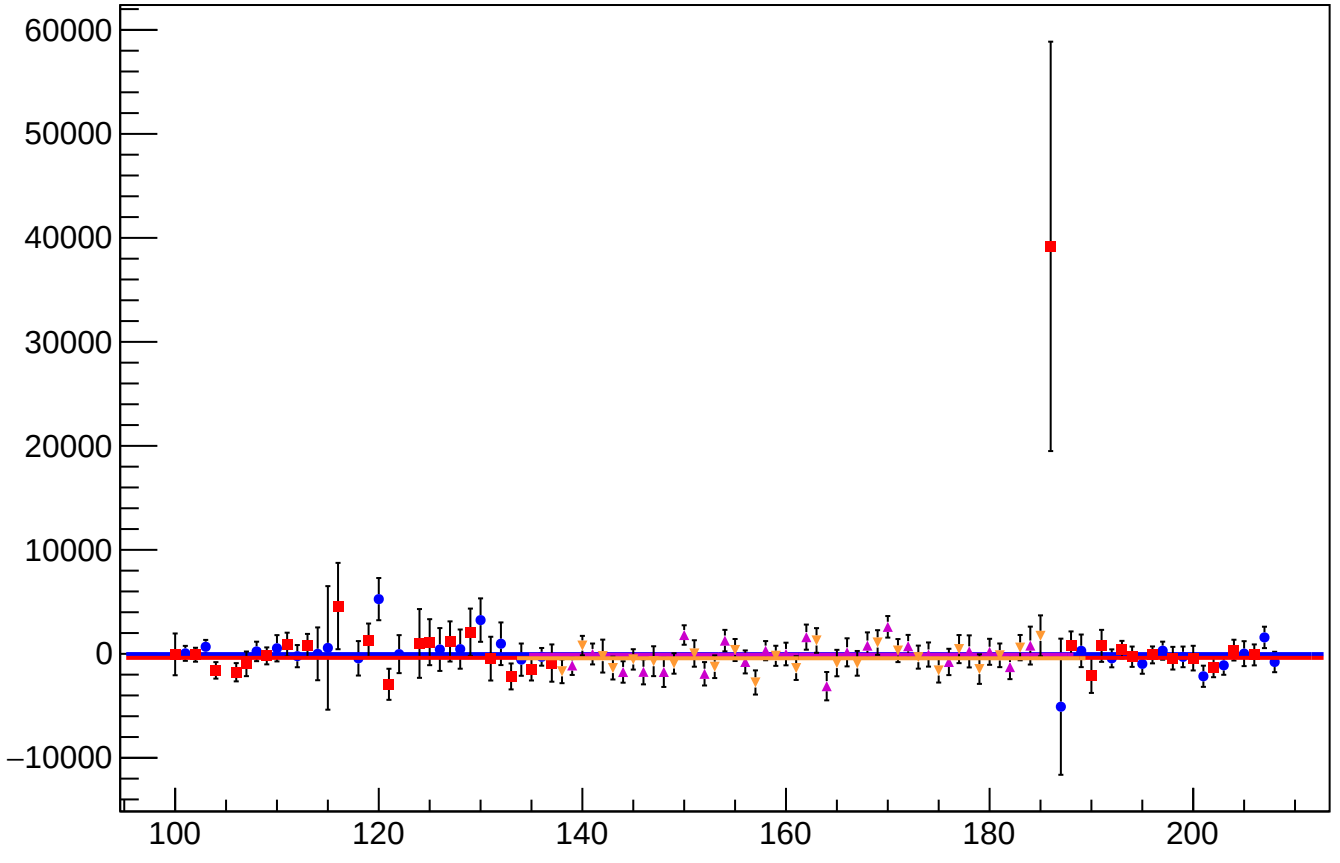
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 146.255+/-0.018 χ^2/NDF: 3609027.1/51

All: 144.420+/-0.013 χ^2/NDF: 8745314.3/105

- sign 142.606+/-0.018 χ^2/NDF: 5115448.2/53

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: -24.917+/-219.276 χ^2/NDF: 22.2/26

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -386.401+/-209.436 χ^2/NDF: 27.7/30

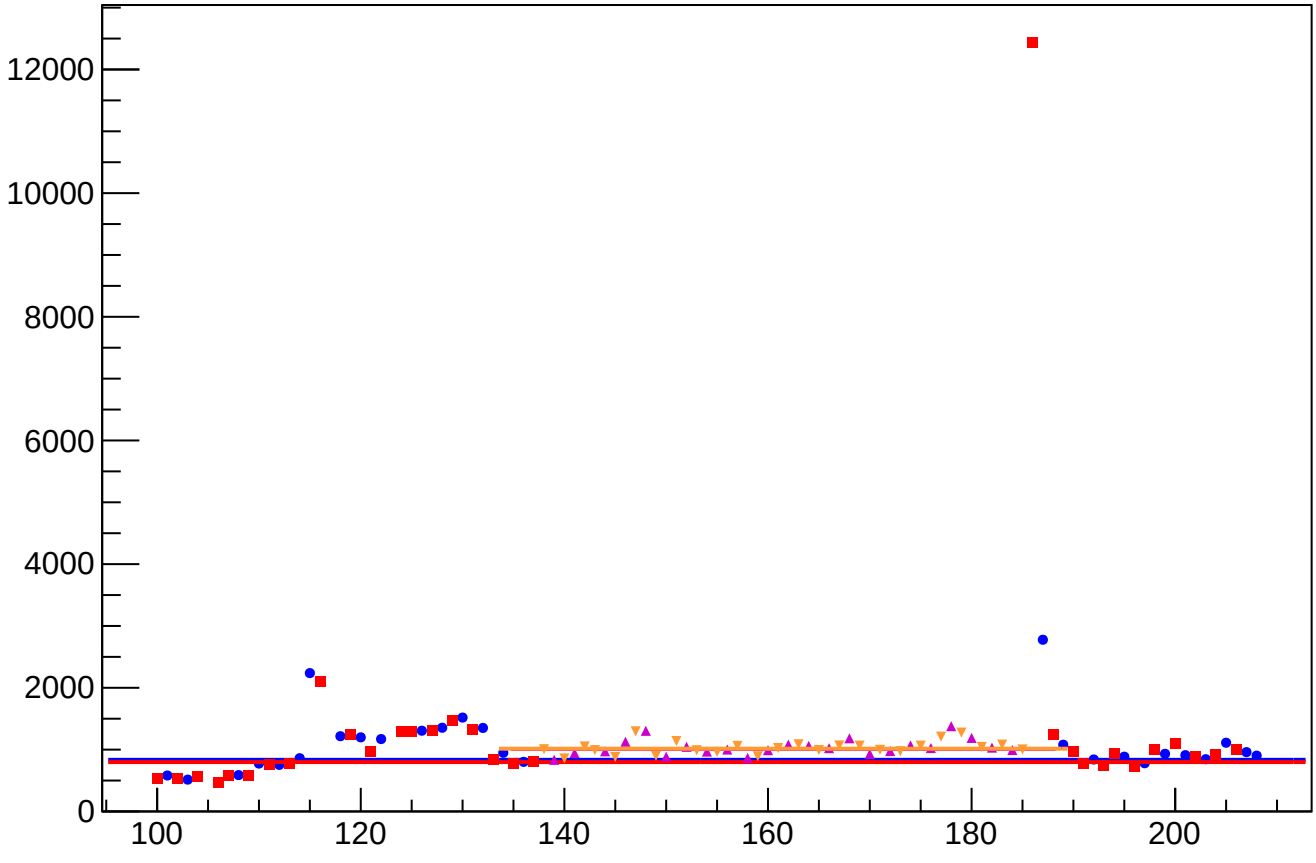
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -213.590+/-159.541 χ^2/NDF: 42.1/51

All: -234.900+/-112.002 χ^2/NDF: 103.2/105

- sign -255.608+/-157.272 χ^2/NDF: 61.1/53

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 834.895+/-0.155 χ^2/NDF: 2245860.9/26

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 798.504+/-0.148 χ^2/NDF: 3295370.5/30

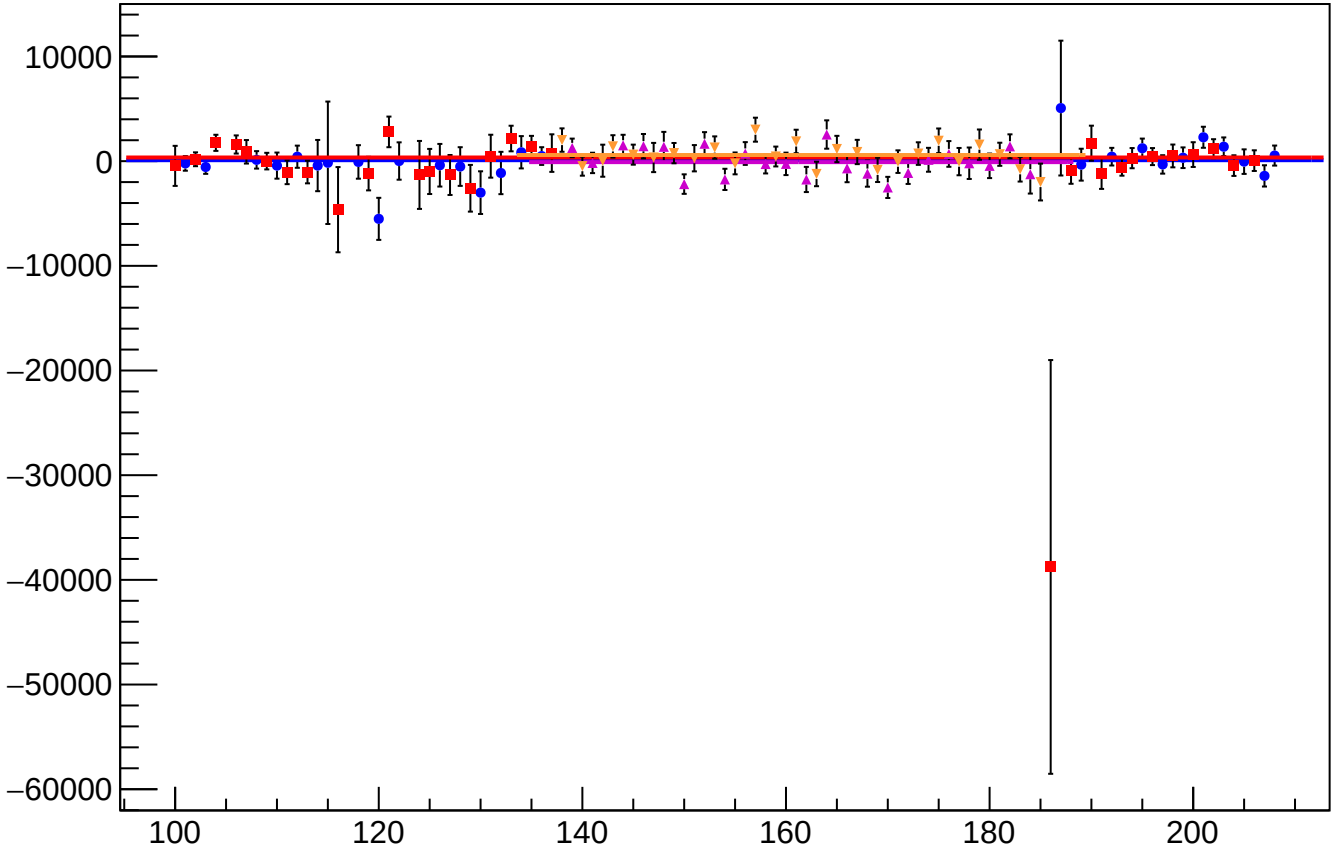
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 919.679+/-0.113 χ^2/NDF: 3279155.8/51

All: 904.929+/-0.079 χ^2/NDF: 7993715.7/105

- sign 890.595+/-0.111 χ^2/NDF: 4680851.2/53

asym_sam5_mean vs Slug



Right In: 92.796+/-214.374 χ^2/NDF: 24.5/26

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 349.831+/-205.403 χ^2/NDF: 30.1/30

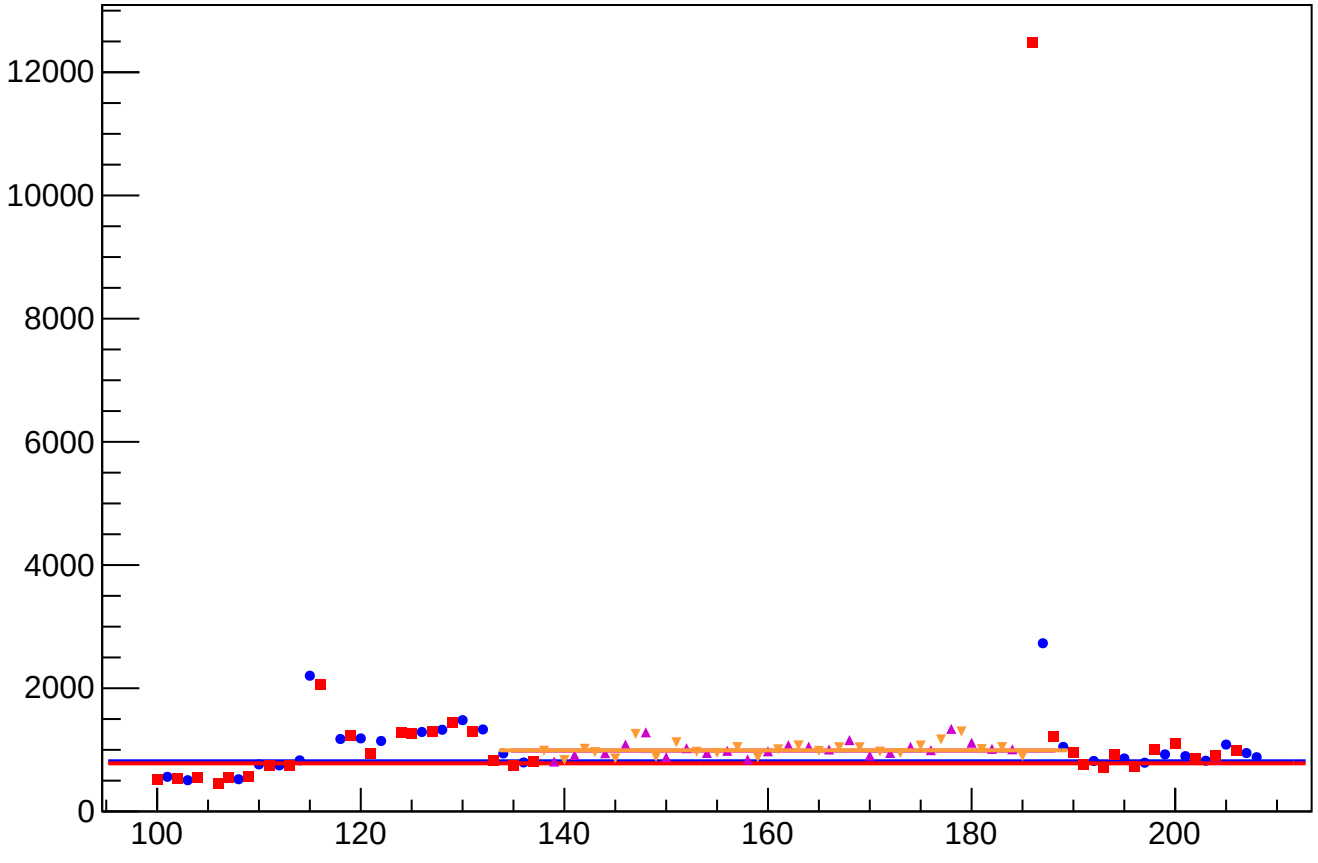
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 324.756+/-156.047 χ^2/NDF: 47.7/51

All: 239.481+/-109.642 χ^2/NDF: 115.0/105

- sign 156.336+/-154.085 χ^2/NDF: 66.7/53

asym_sam5_rms vs Slug



Right In: 814.217+/-0.152 χ^2/NDF: 2354498.0/26

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

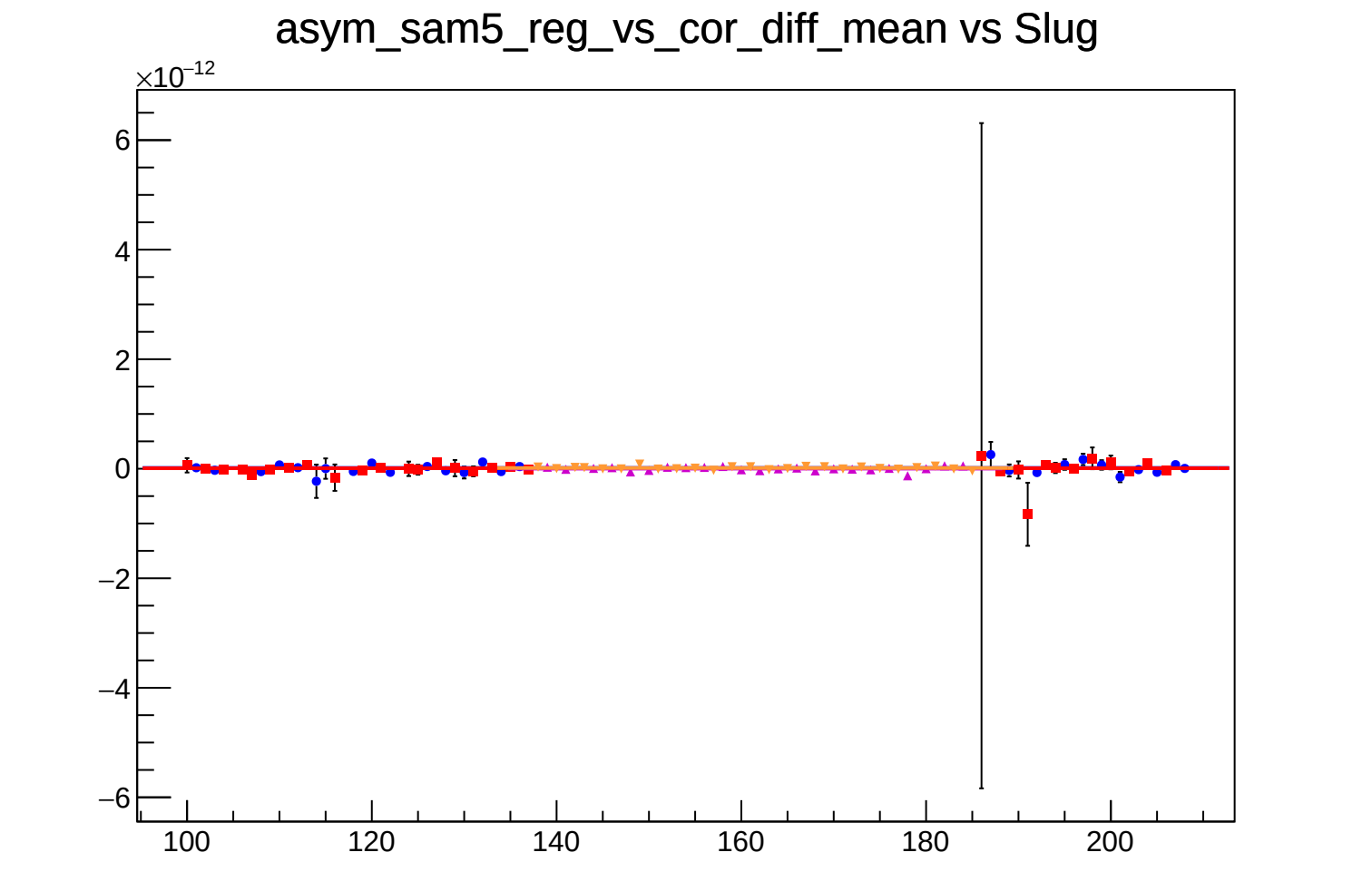
Right Out: 781.158+/-0.145 χ^2/NDF: 3384068.5/30

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 898.057+/-0.110 χ^2/NDF: 3430079.1/51

All: 884.614+/-0.078 χ^2/NDF: 8216156.2/105

- sign 871.507+/-0.109 χ^2/NDF: 4756763.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

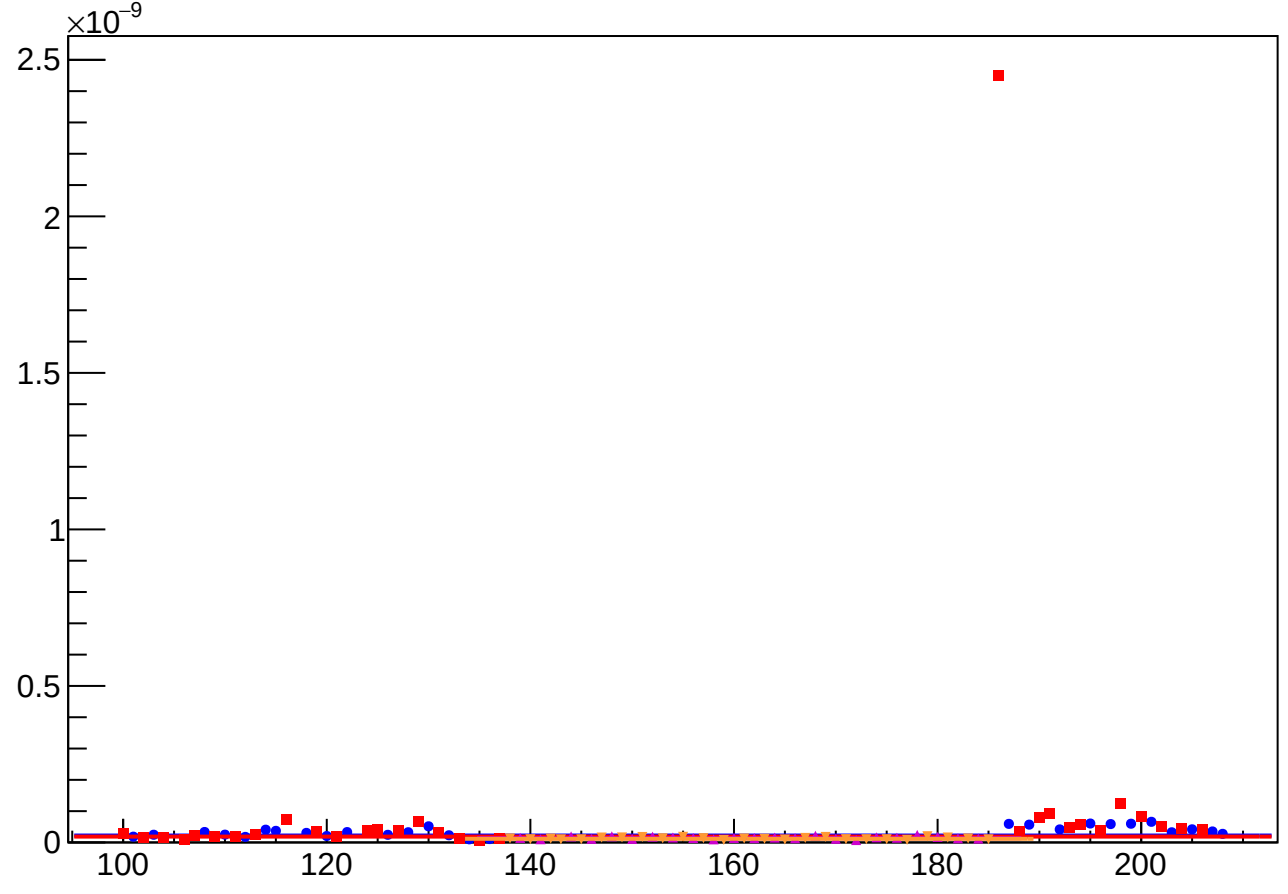
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/30

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

+ sign 0.000+/-0.000 χ^2/NDF: 53.0/51

All: 0.000+/-0.000 χ^2/NDF: 106.1/105

- sign 0.000+/-0.000 χ^2/NDF: 50.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 3697386.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5778481.0/30

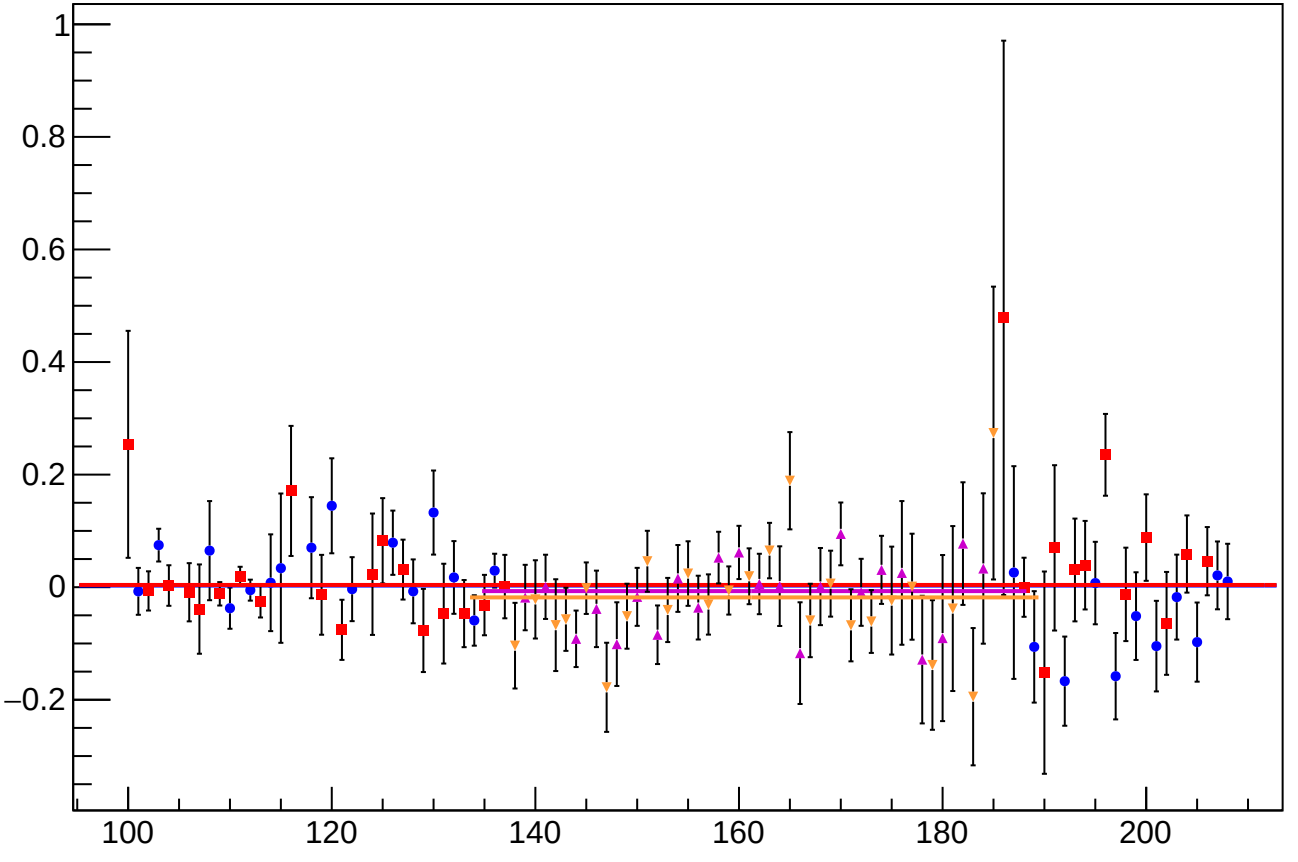
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6401101.4/51

All: 0.000+/-0.000 χ^2/NDF: 13642662.9/105

- sign 0.000+/-0.000 χ^2/NDF: 7170459.4/53

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/26

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.004+/-0.009 χ^2/NDF: 28.2/30

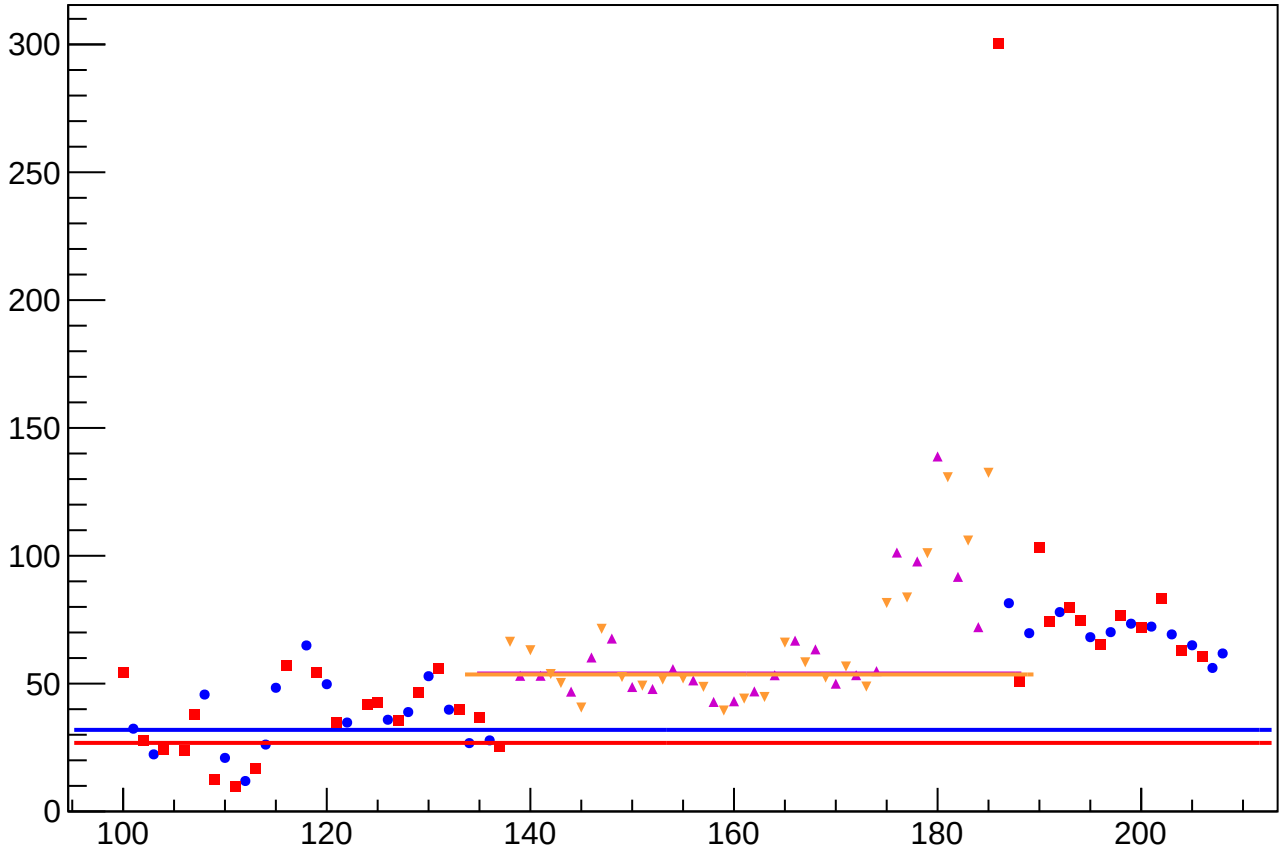
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.005+/-0.008 χ^2/NDF: 59.9/51

All: -0.002+/-0.005 χ^2/NDF: 107.5/105

- sign 0.001+/-0.007 χ^2/NDF: 47.4/53

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 31.909+/-0.007 χ^2/NDF: 8265352.9/26

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

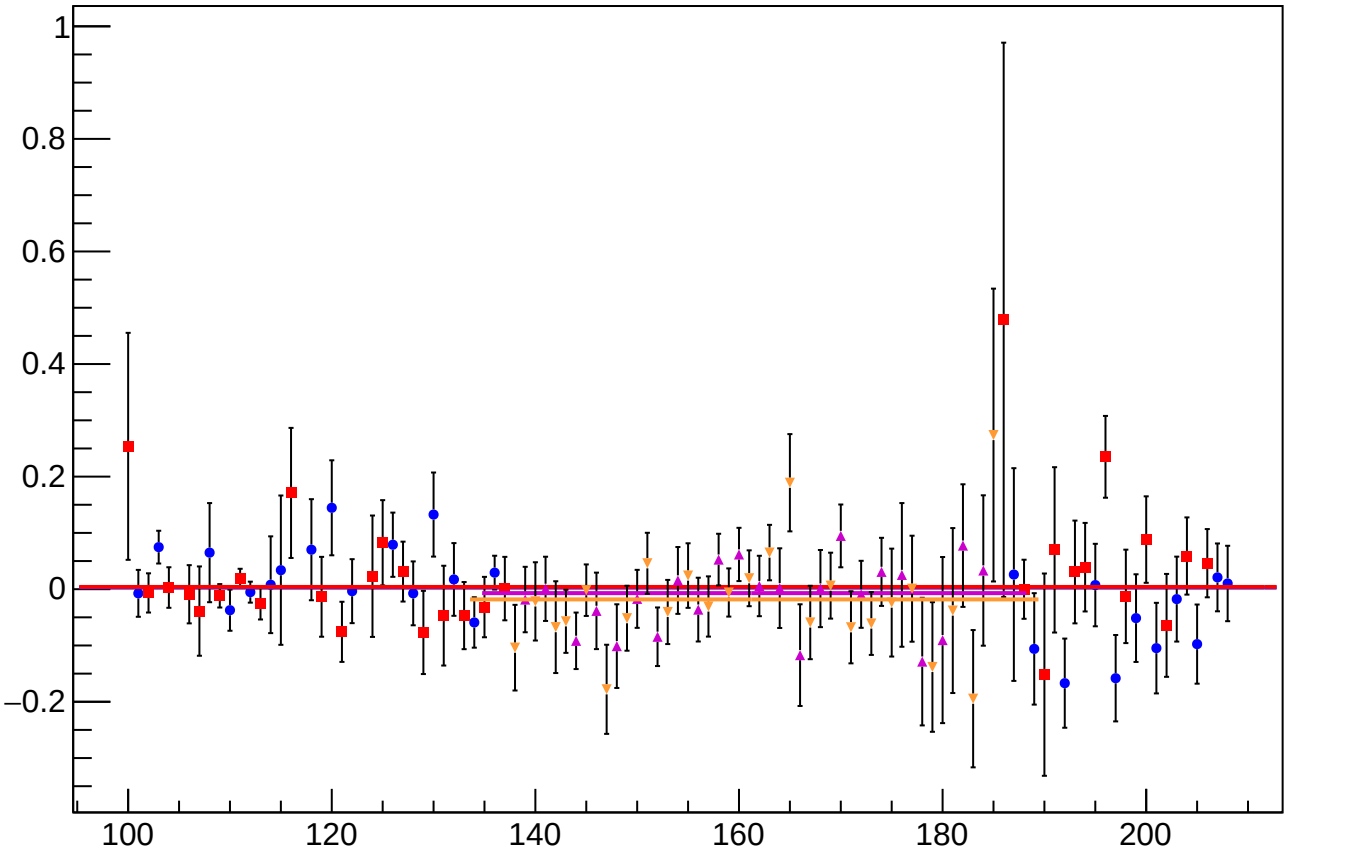
Right Out: 26.813+/-0.006 χ^2/NDF: 11459383.6/30

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 39.751+/-0.005 χ^2/NDF: 14566586.5/51

All: 37.151+/-0.004 χ^2/NDF: 34443886.4/105

- sign 34.883+/-0.005 χ^2/NDF: 19450339.9/53



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/26

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.004+/-0.009 χ^2/NDF: 28.2/30

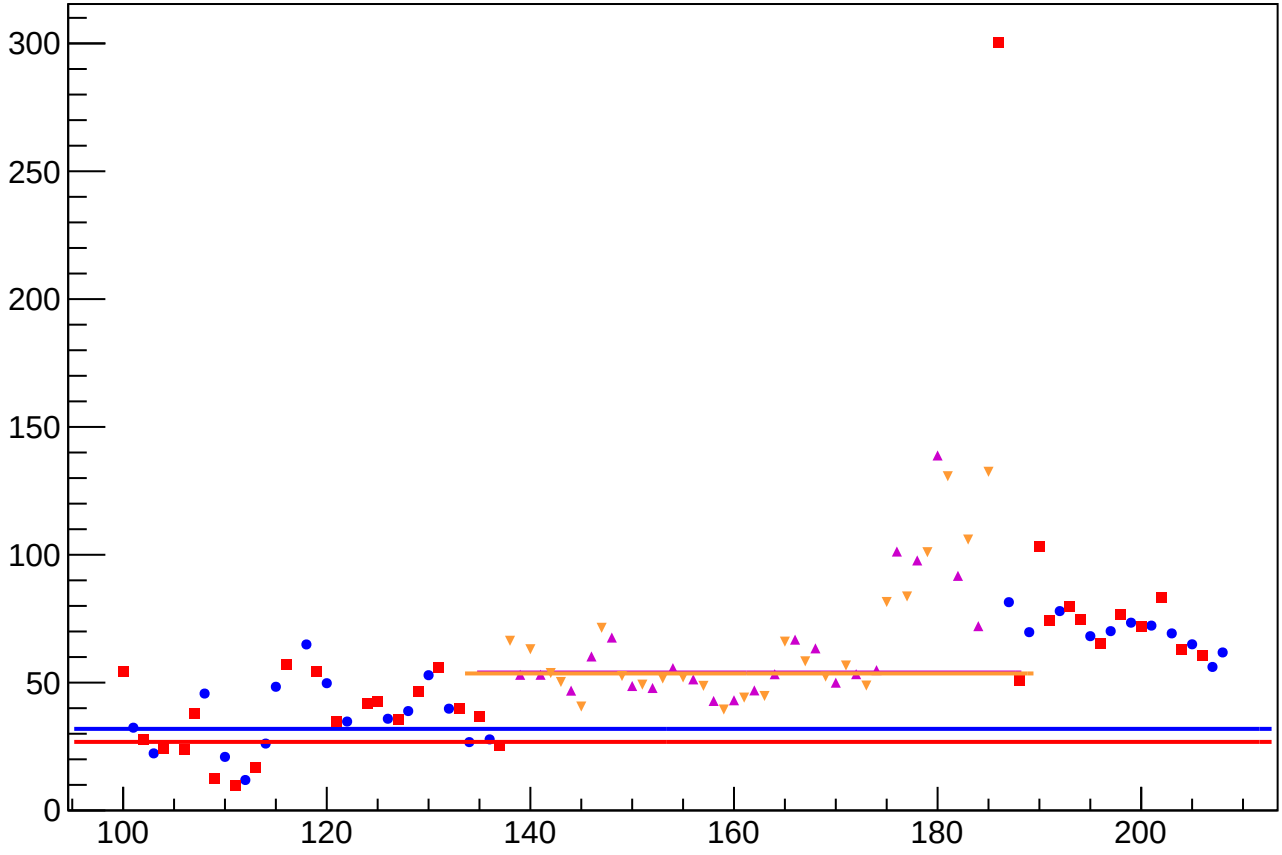
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.005+/-0.008 χ^2/NDF: 59.9/51

All: -0.002+/-0.005 χ^2/NDF: 107.5/105

- sign 0.001+/-0.007 χ^2/NDF: 47.4/53

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.909+/-0.007 χ^2/NDF: 8265352.9/26

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

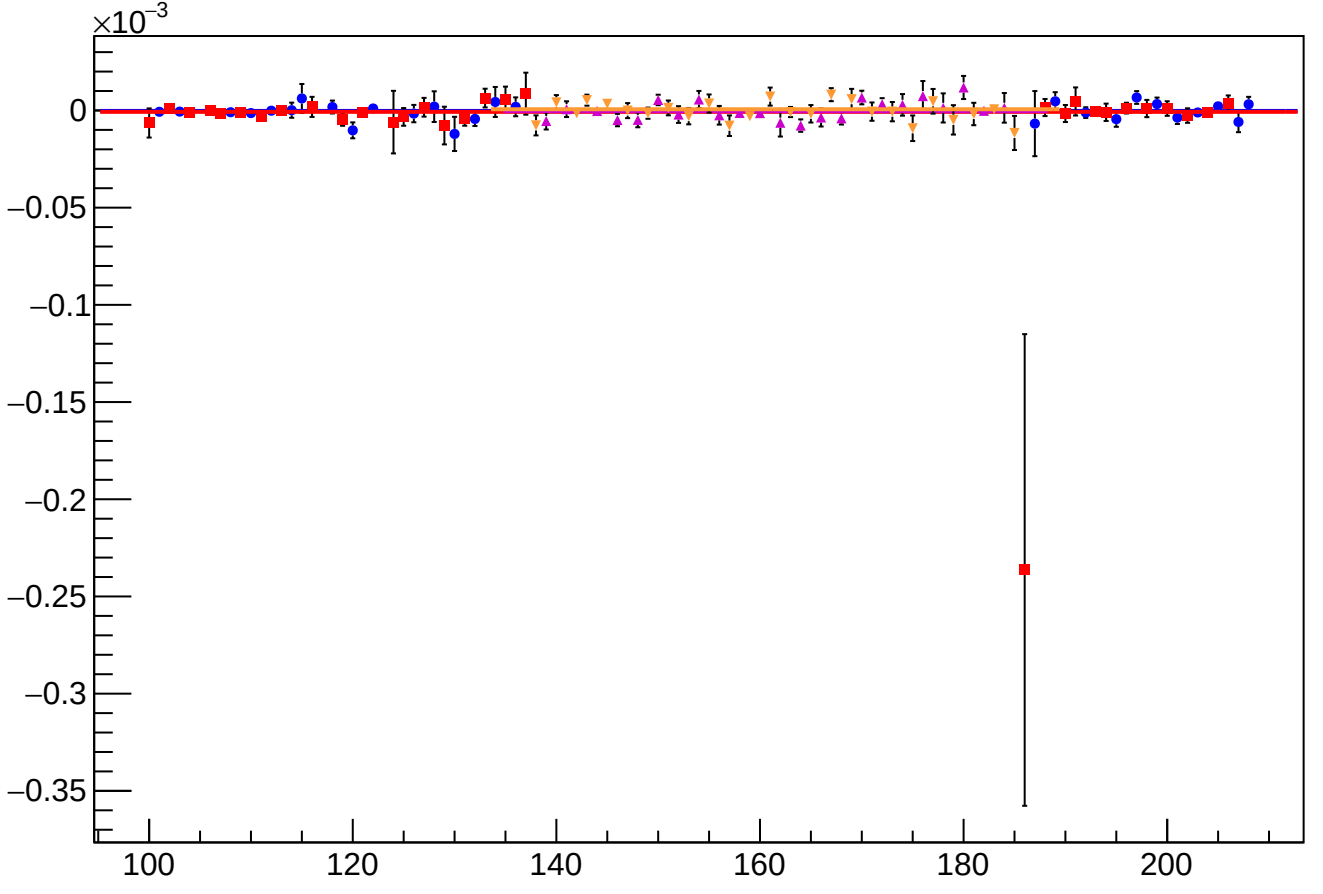
Right Out: 26.813+/-0.006 χ^2/NDF: 11459383.6/30

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 39.751+/-0.005 χ^2/NDF: 14566586.5/51

All: 37.151+/-0.004 χ^2/NDF: 34443886.4/105

- sign 34.883+/-0.005 χ^2/NDF: 19450339.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/30

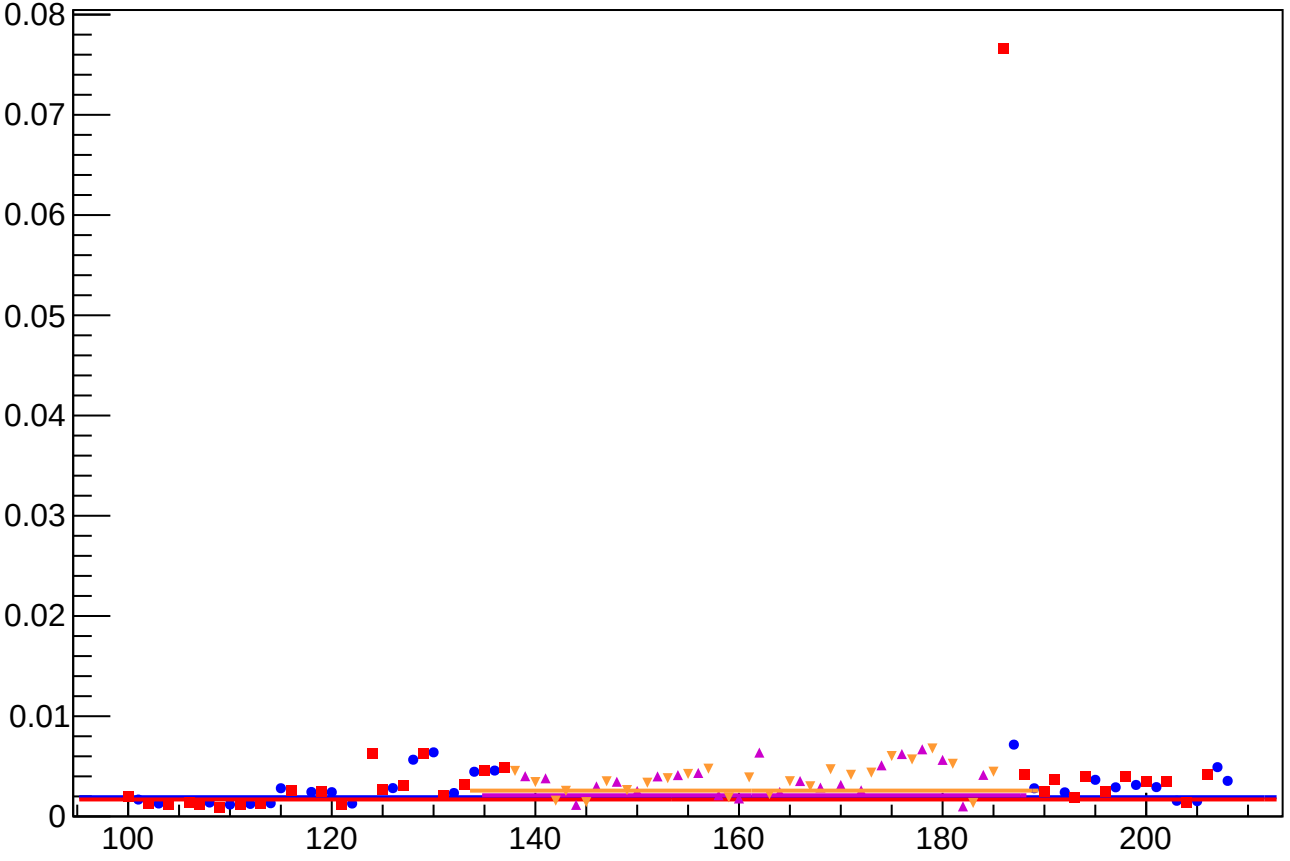
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.7/51

All: -0.000+/-0.000 χ^2/NDF: 107.9/105

- sign -0.000+/-0.000 χ^2/NDF: 49.8/53

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5751528.5/26

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7966625.6/30

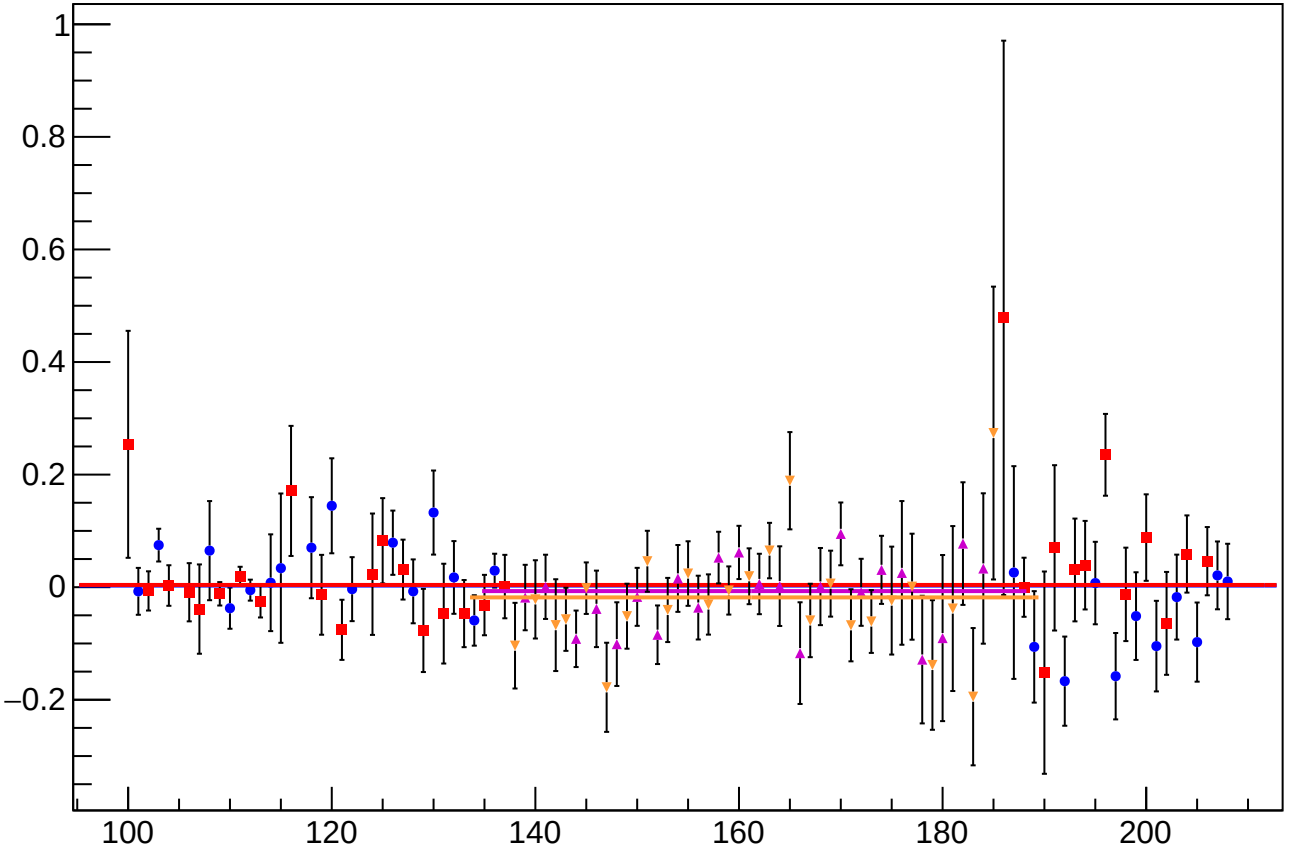
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 14019881.1/51

All: 0.002+/-0.000 χ^2/NDF: 32701443.2/105

- sign 0.002+/-0.000 χ^2/NDF: 18050885.5/53

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/26

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.004+/-0.009 χ^2/NDF: 28.2/30

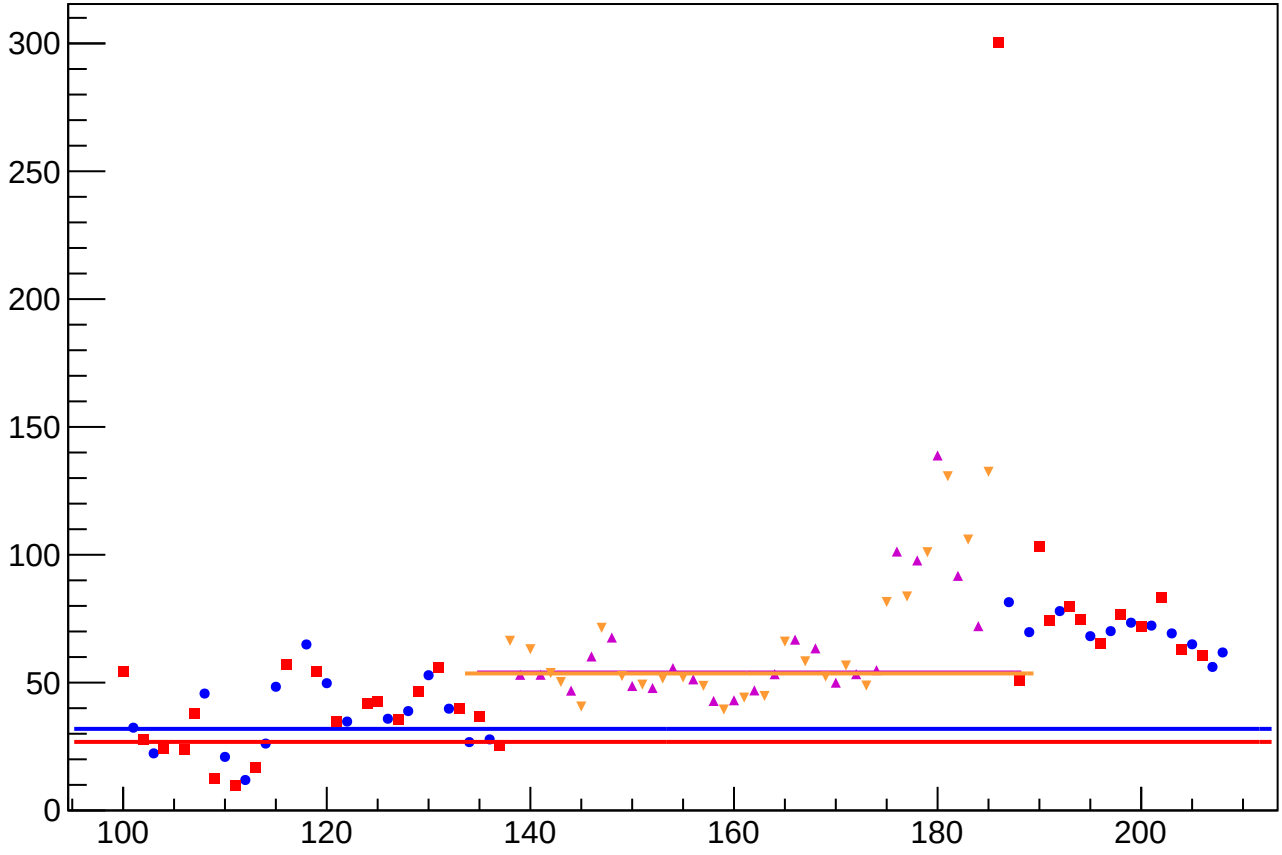
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.005+/-0.008 χ^2/NDF: 59.8/51

All: -0.002+/-0.005 χ^2/NDF: 107.5/105

- sign 0.001+/-0.007 χ^2/NDF: 47.4/53

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 31.908+/-0.007 χ^2/NDF: 8265423.4/26

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

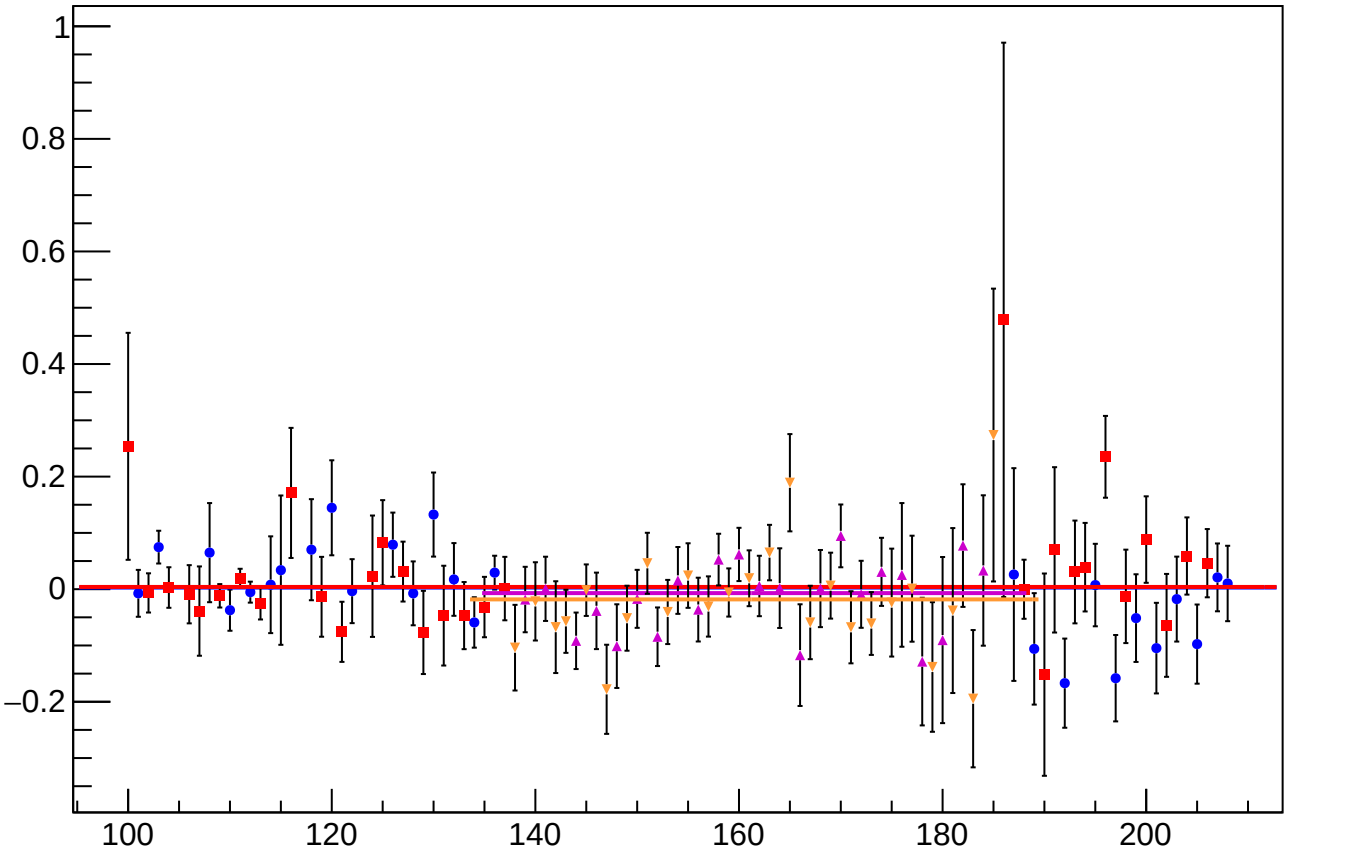
Right Out: 26.812+/-0.006 χ^2/NDF: 11459561.2/30

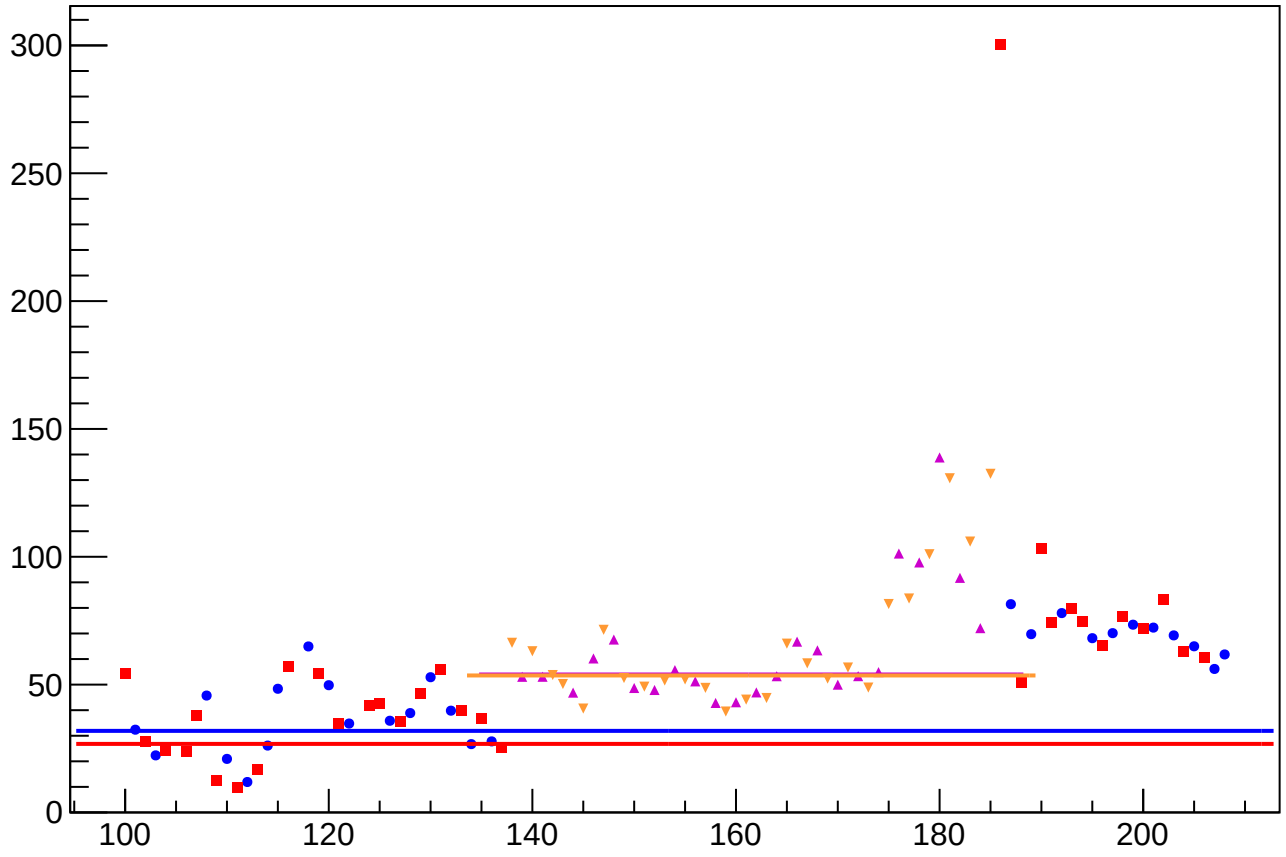
Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 39.751+/-0.005 χ^2/NDF: 14567053.2/51

All: 37.151+/-0.004 χ^2/NDF: 34445060.6/105

- sign 34.882+/-0.005 χ^2/NDF: 19451016.0/53


asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: 0.003+/-0.010 χ²/NDF: 33.8/26
Left Out: -0.018+/-0.013 χ²/NDF:24.3/24
Right Out: 0.004+/-0.009 χ²/NDF: 28.2/30
Left In: -0.007+/-0.013 χ²/NDF:18.7/22
+ sign -0.005+/-0.008 χ²/NDF: 59.8/51
All: -0.002+/-0.005 χ²/NDF: 107.5/105
- sign 0.001+/-0.007 χ²/NDF: 47.4/53



Right In: 31.908+/-0.007 χ^2/NDF: 8265423.4/26

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

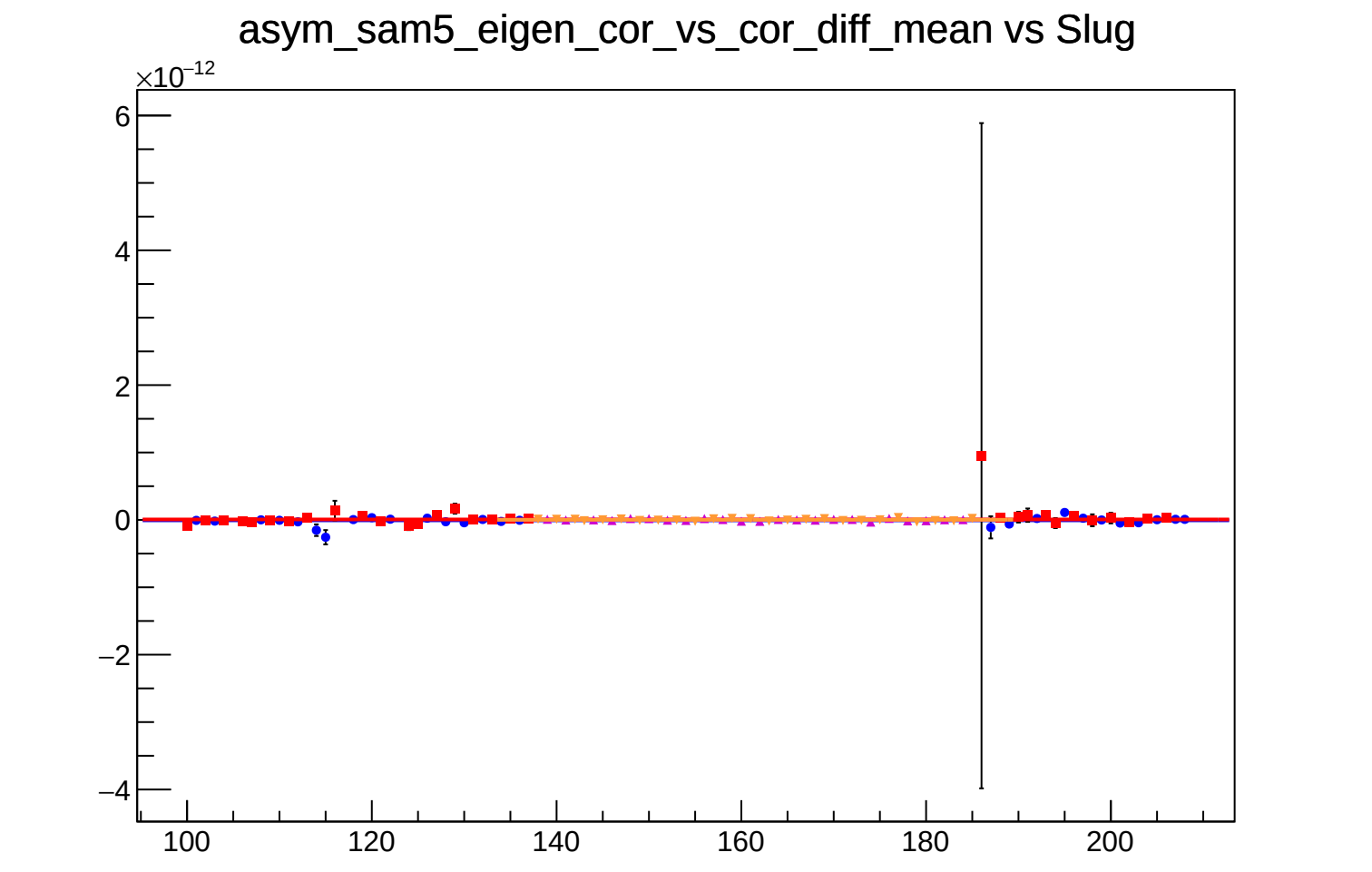
Right Out: 26.812+/-0.006 χ^2/NDF: 11459561.2/30

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 39.751+/-0.005 χ^2/NDF: 14567053.2/51

All: 37.151+/-0.004 χ^2/NDF: 34445060.6/105

- sign 34.882+/-0.005 χ^2/NDF: 19451016.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

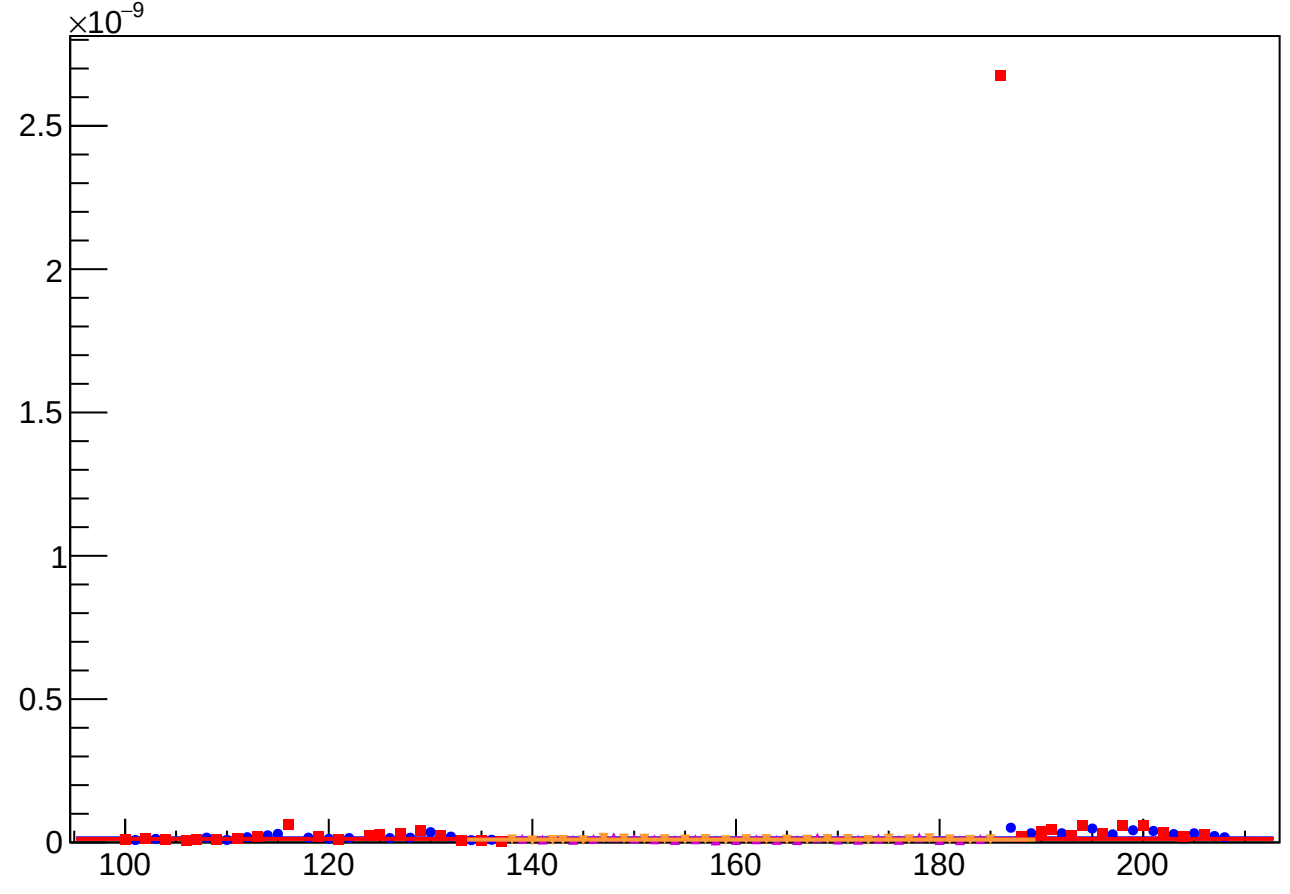
Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/30

Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.8/51

All: 0.000+/-0.000 χ^2/NDF: 107.4/105

- sign 0.000+/-0.000 χ^2/NDF: 55.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 5057756.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7996078.9/30

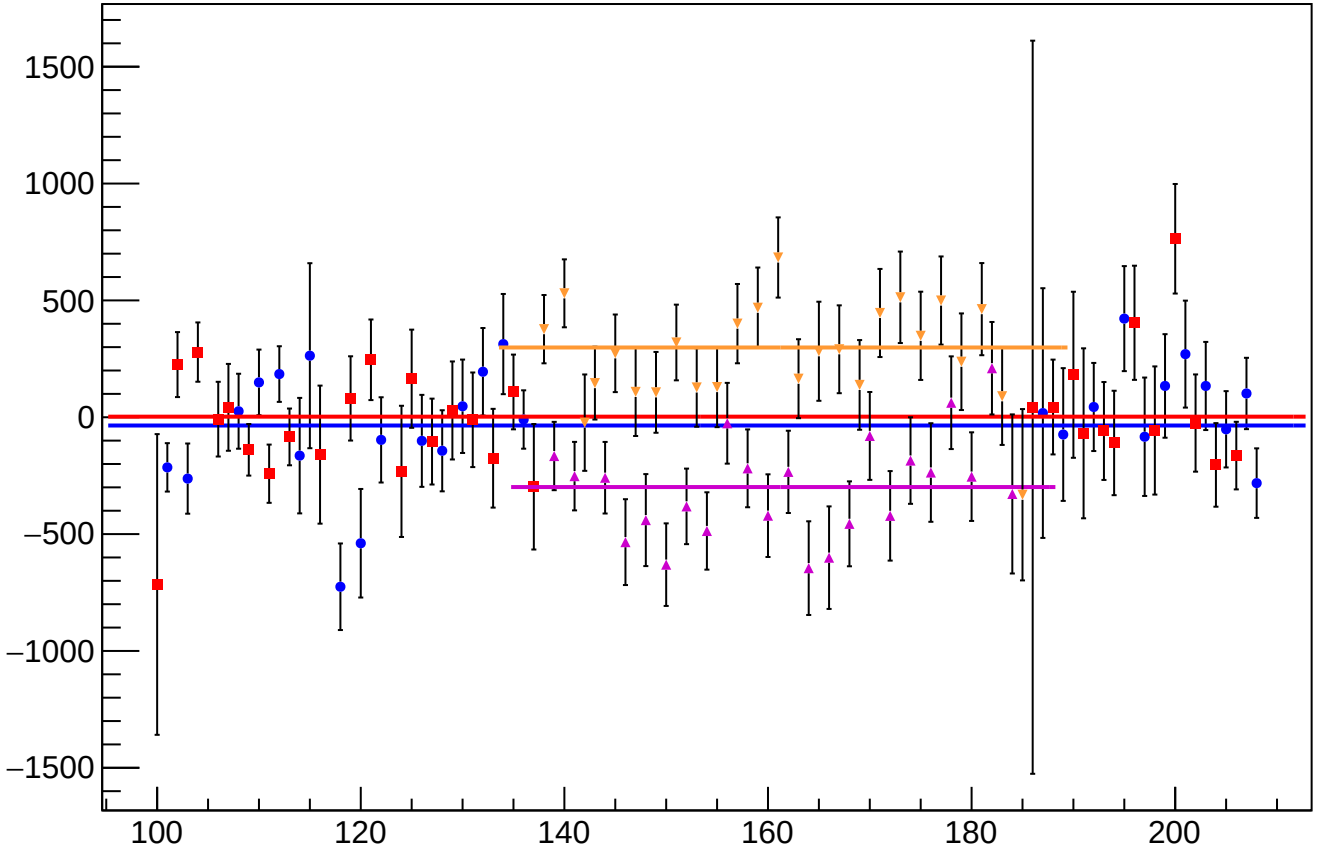
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7478492.4/51

All: 0.000+/-0.000 χ^2/NDF: 17096440.1/105

- sign 0.000+/-0.000 χ^2/NDF: 9617359.0/53

reg_asym_sam6_mean vs Slug



Right In: -35.345+/-33.916 χ^2/NDF: 46.1/26

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 2.508+/-33.418 χ^2/NDF: 37.8/30

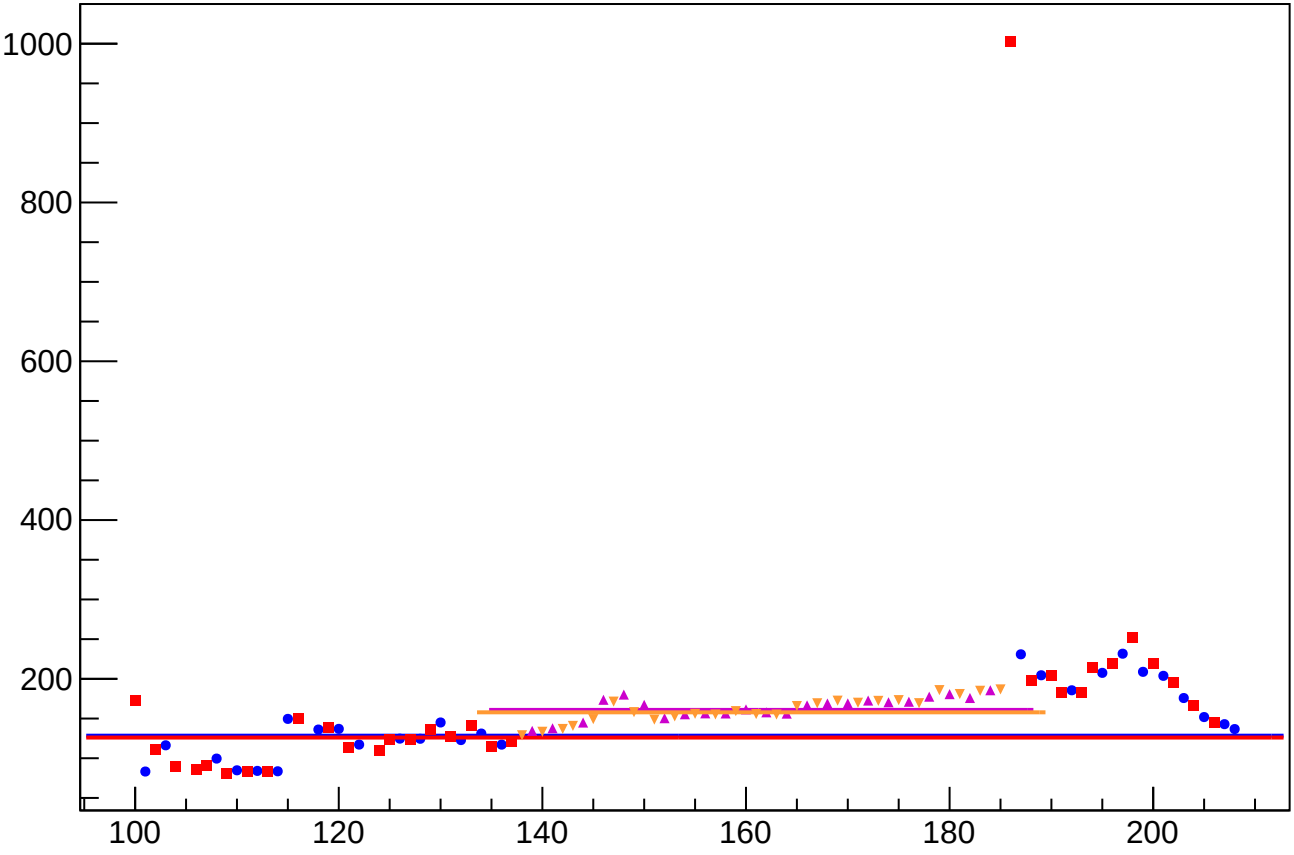
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 121.408+/-24.702 χ^2/NDF: 117.6/51

All: -2.668+/-17.577 χ^2/NDF: 271.6/105

- sign -129.908+/-25.015 χ^2/NDF: 102.9/53

reg_asym_sam6_rms vs Slug



Right In: 128.396+/-0.024 χ^2/NDF: 2701699.5/26

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.064+/-0.024 χ^2/NDF: 4156794.9/30

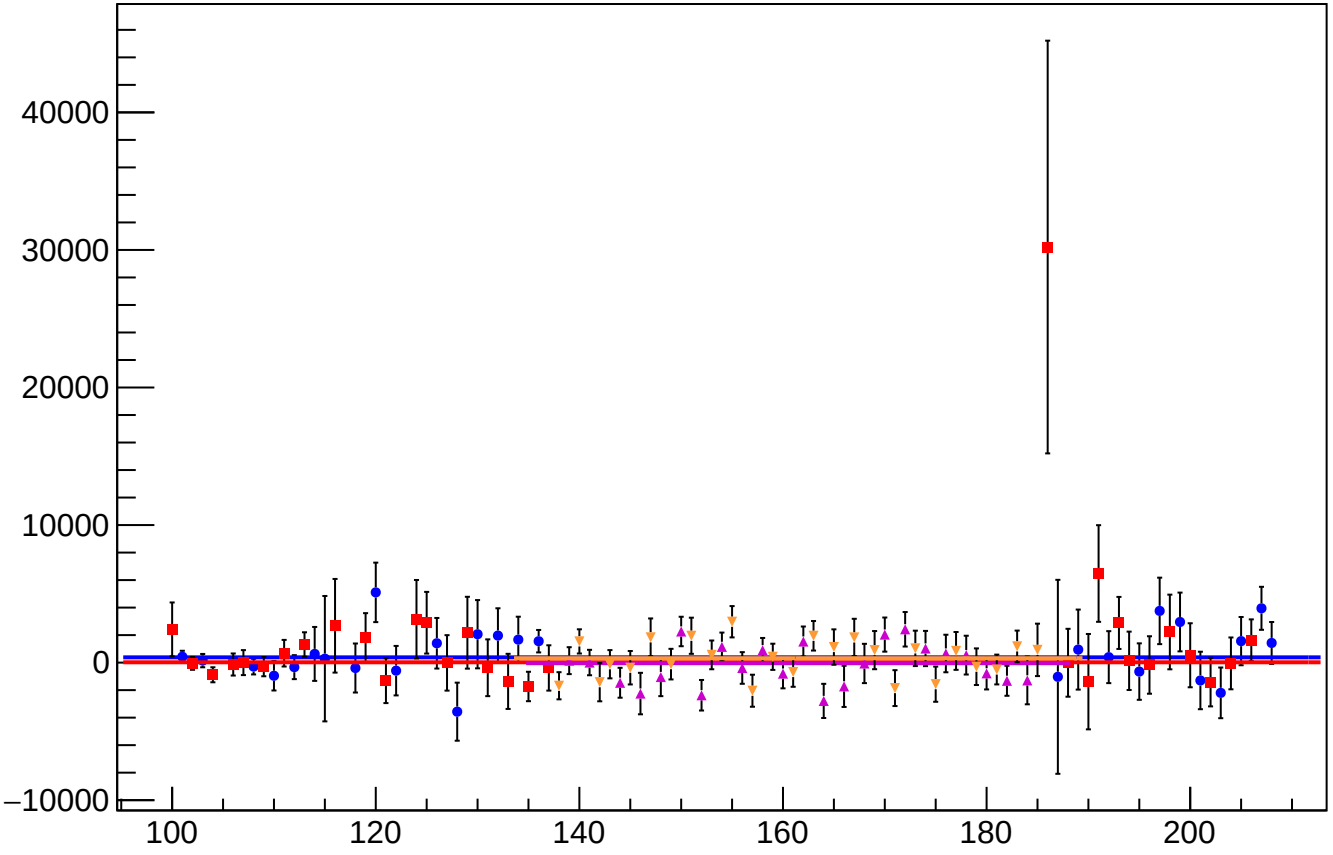
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.218+/-0.017 χ^2/NDF: 3786483.4/51

All: 141.799+/-0.012 χ^2/NDF: 9166871.3/105

- sign 141.369+/-0.018 χ^2/NDF: 5379219.5/53

asym_sam6_reg_correction_mean vs Slug



Right In: 382.597+/-215.510 χ^2/NDF: 29.2/26

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 23.826+/-218.322 χ^2/NDF: 28.6/30

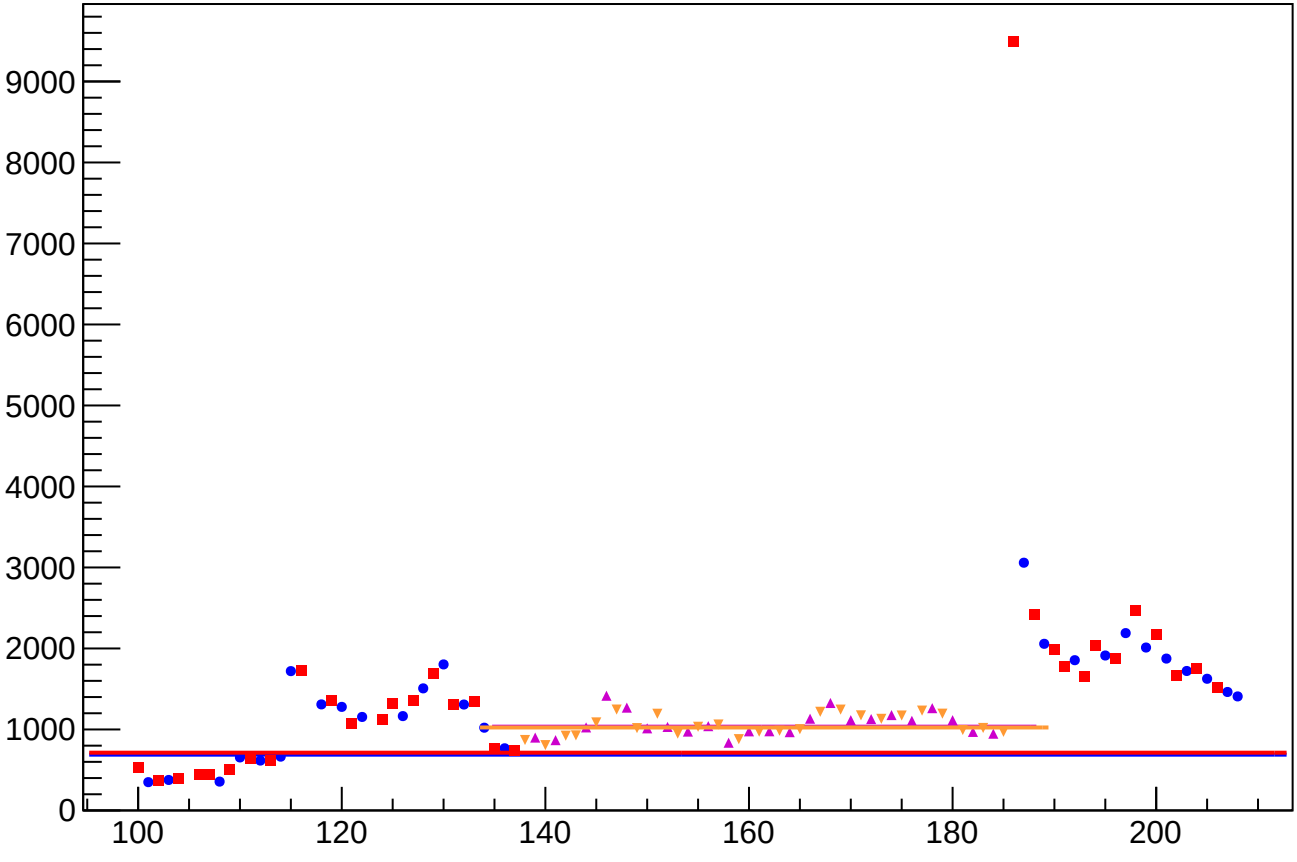
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 353.989+/-158.858 χ^2/NDF: 61.7/51

All: 179.236+/-113.680 χ^2/NDF: 127.7/105

- sign -4.176+/-162.747 χ^2/NDF: 63.4/53

asym_sam6_reg_correction_rms vs Slug



Right In: 688.975+/-0.152 χ^2/NDF: 10975853.6/26

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 713.211+/-0.154 χ^2/NDF: 11302558.8/30

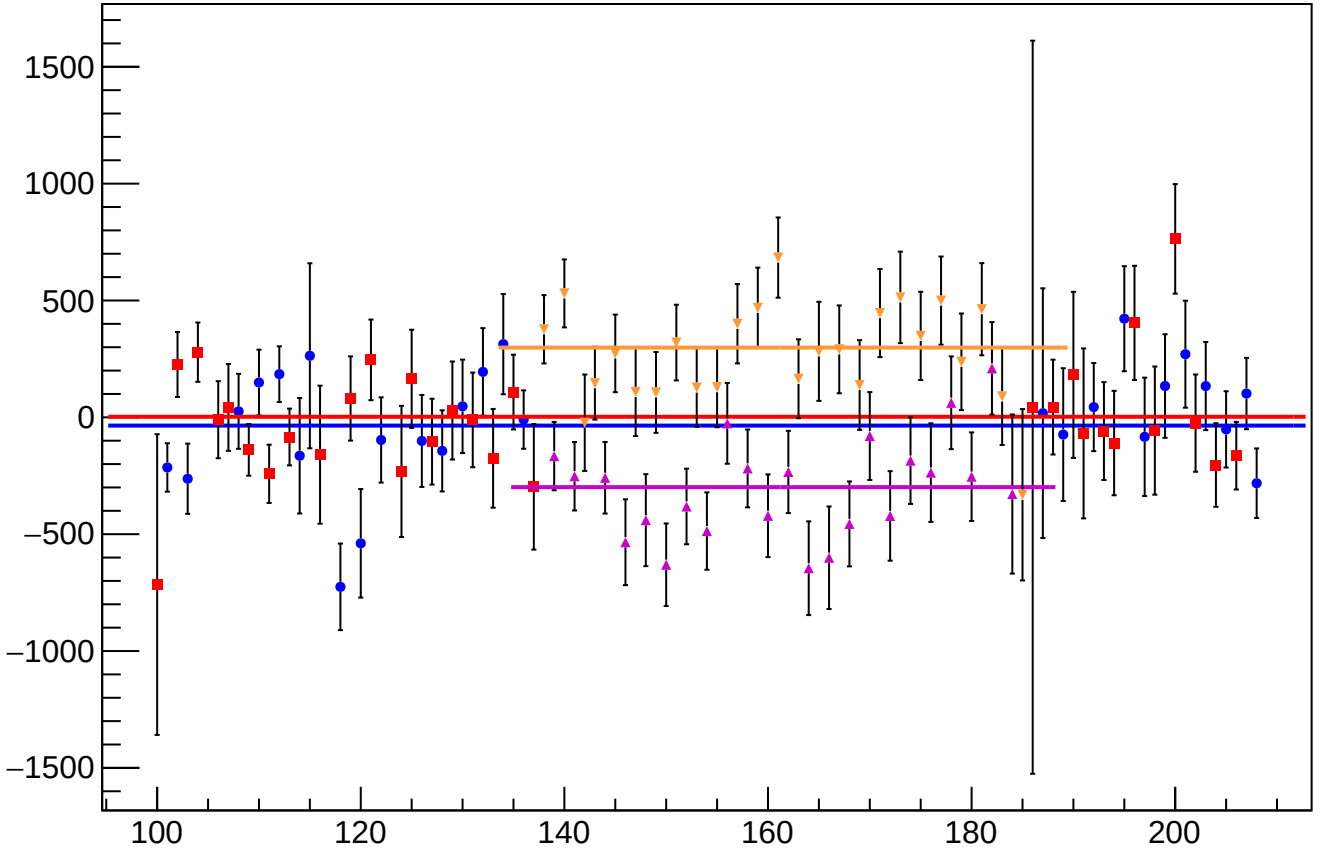
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 842.186+/-0.112 χ^2/NDF: 13787098.5/51

All: 848.893+/-0.080 χ^2/NDF: 27649067.7/10

- sign 855.932+/-0.115 χ^2/NDF: 13854663.5/53

cor_asym_sam6_mean vs Slug



Right In: -35.363+/-33.916 χ^2/NDF: 46.1/26

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 2.482+/-33.462 χ^2/NDF: 37.8/30

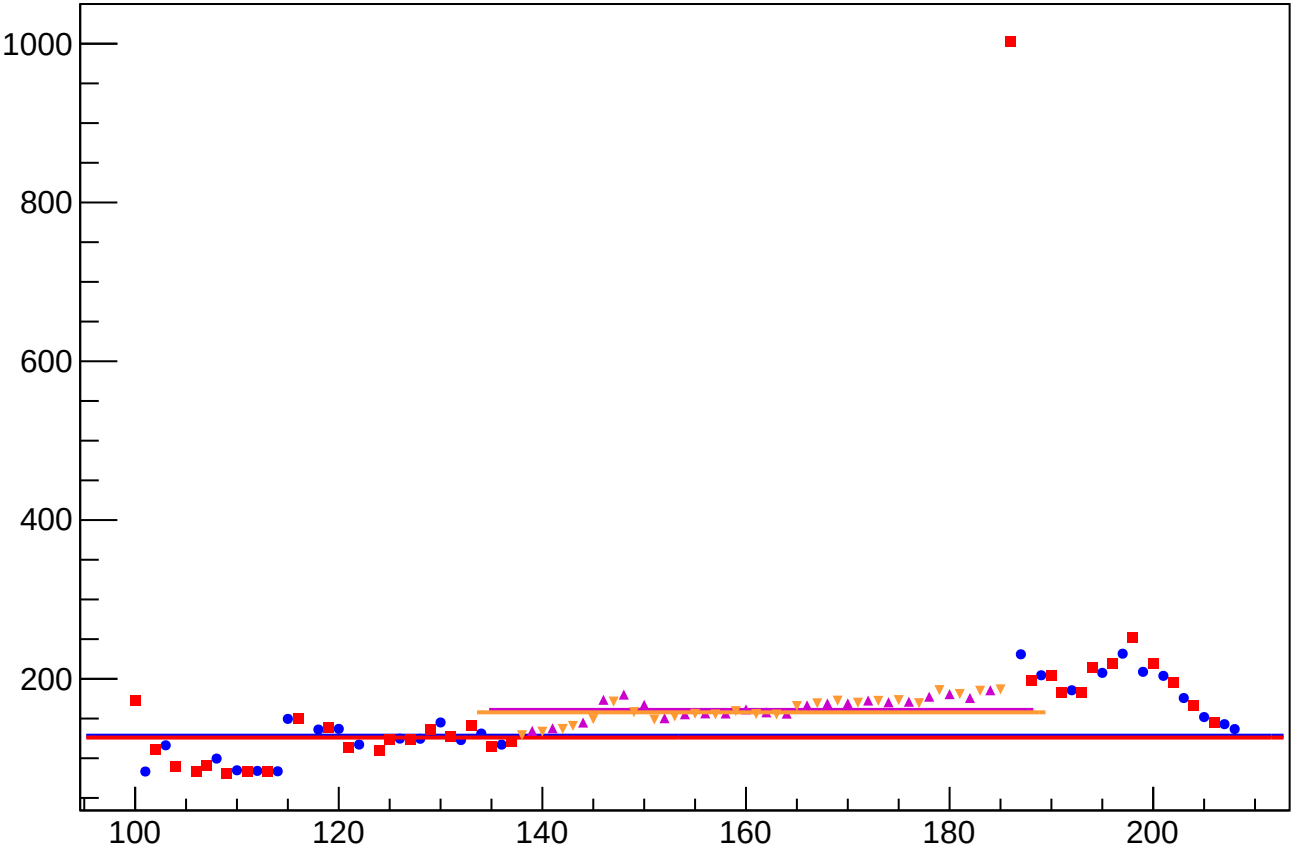
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 121.399+/-24.702 χ^2/NDF: 117.6/51

All: -2.685+/-17.583 χ^2/NDF: 271.6/105

- sign -130.124+/-25.034 χ^2/NDF: 102.9/53

cor_asym_sam6_rms vs Slug



Right In: 128.396+/-0.024 χ^2/NDF: 2701697.8/26

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.042+/-0.024 χ^2/NDF: 4168456.1/30

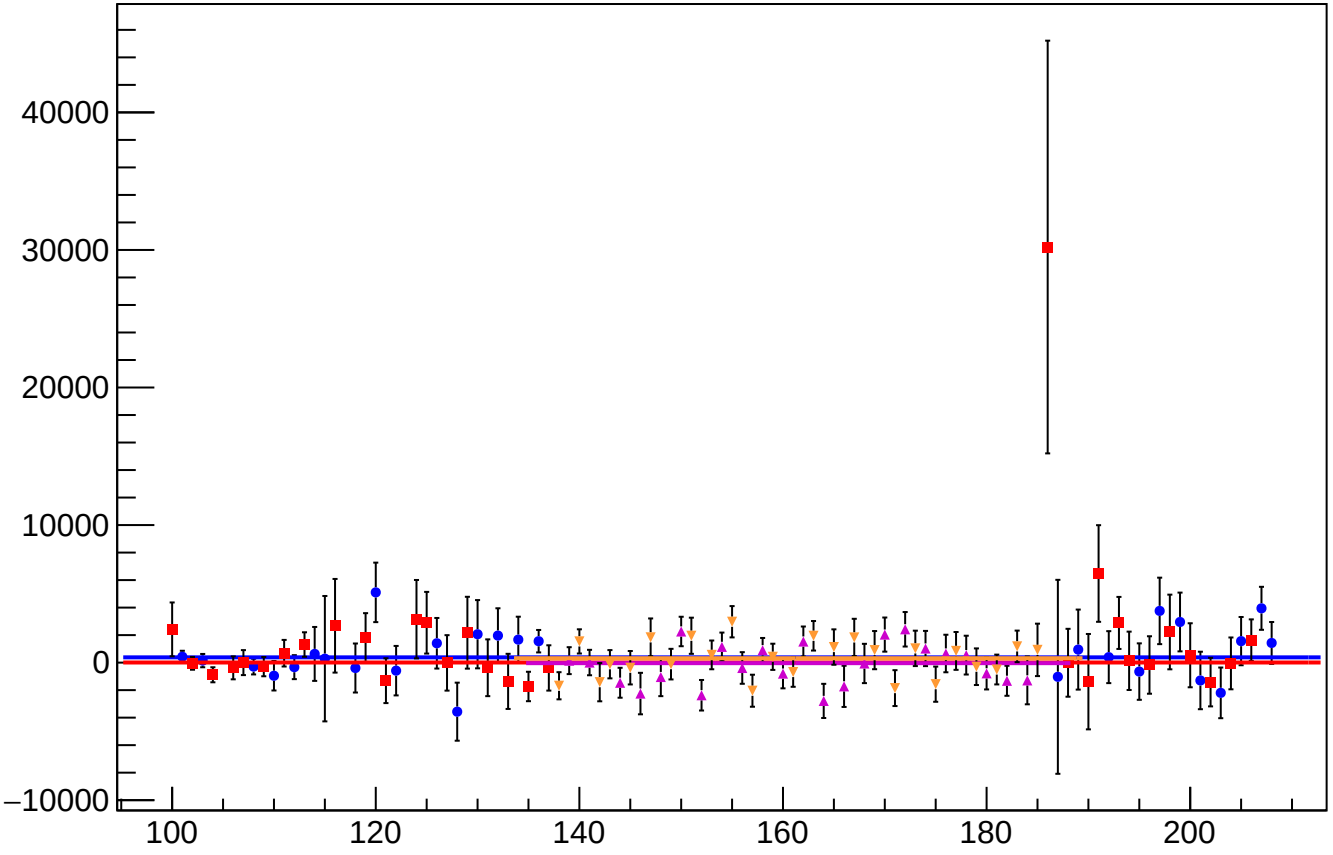
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.218+/-0.017 χ^2/NDF: 3786479.2/51

All: 141.804+/-0.012 χ^2/NDF: 9178624.5/105

- sign 141.379+/-0.018 χ^2/NDF: 5391005.4/53

asym_sam6_cor_correction_mean vs Slug



Right In: 382.715+/-215.504 χ^2/NDF: 29.2/26

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 8.633+/-218.843 χ^2/NDF: 28.8/30

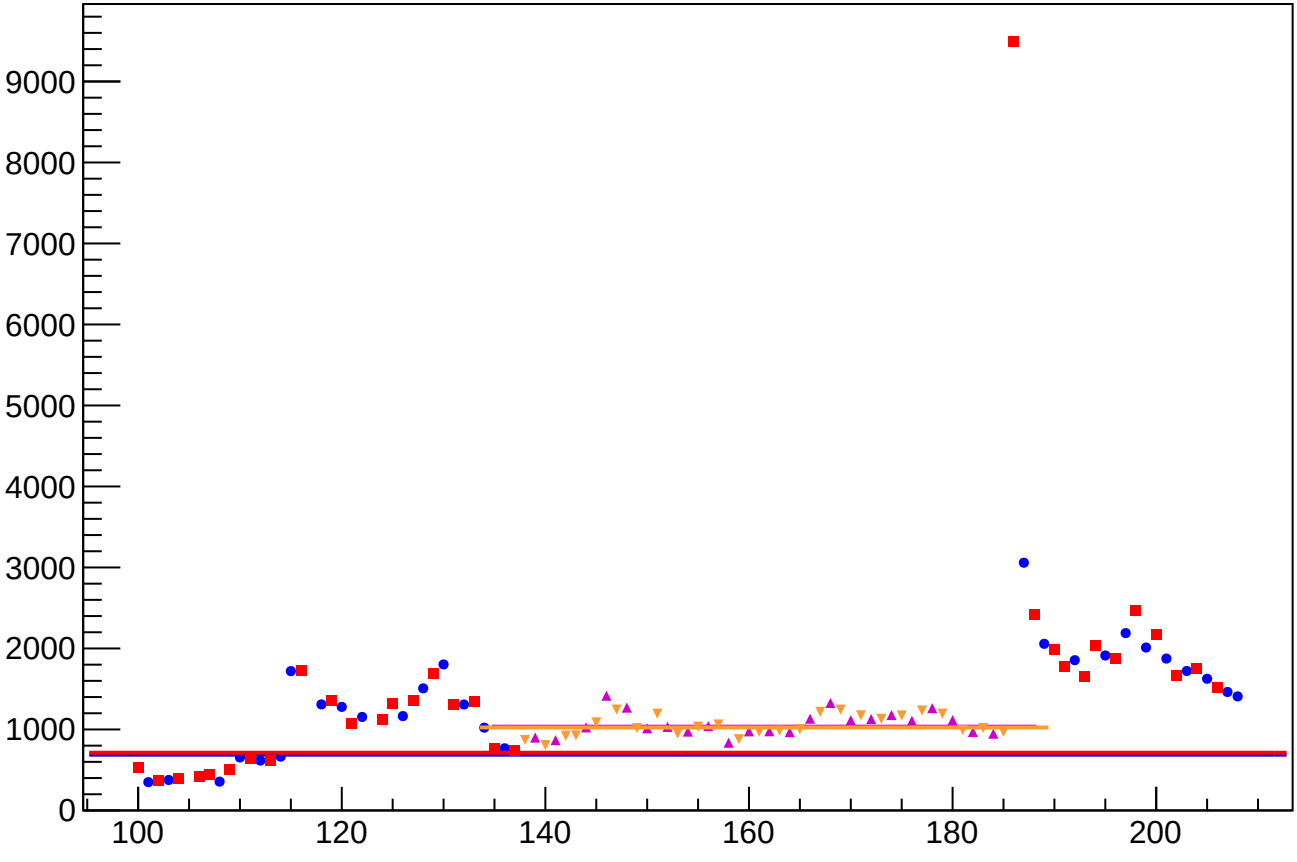
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 354.056+/-158.856 χ^2/NDF: 61.7/51

All: 175.369+/-113.752 χ^2/NDF: 127.9/105

- sign -12.675+/-162.962 χ^2/NDF: 63.6/53

asym_sam6_cor_correction_rms vs Slug



Right In: 688.948+/-0.152 χ^2/NDF: 10976358.7/26

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 712.537+/-0.155 χ^2/NDF: 11335332.3/30

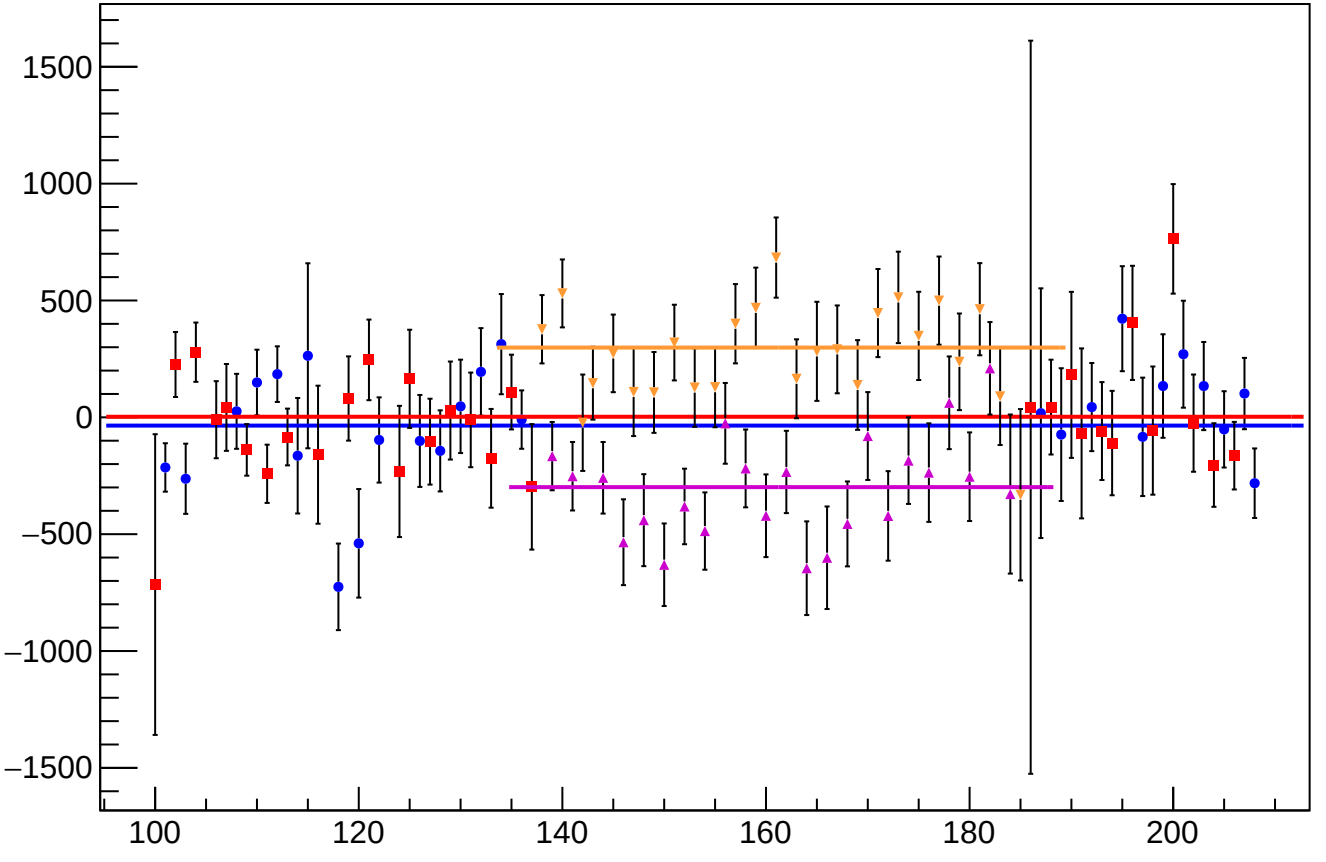
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 842.167+/-0.112 χ^2/NDF: 13788017.9/51

All: 848.876+/-0.080 χ^2/NDF: 27686761.7/10

- sign 855.936+/-0.115 χ^2/NDF: 13891422.7/53

eigen_cor_asym_sam6_mean vs Slug



Right In: -35.363+/-33.916 χ^2/NDF: 46.1/26

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 2.482+/-33.462 χ^2/NDF: 37.8/30

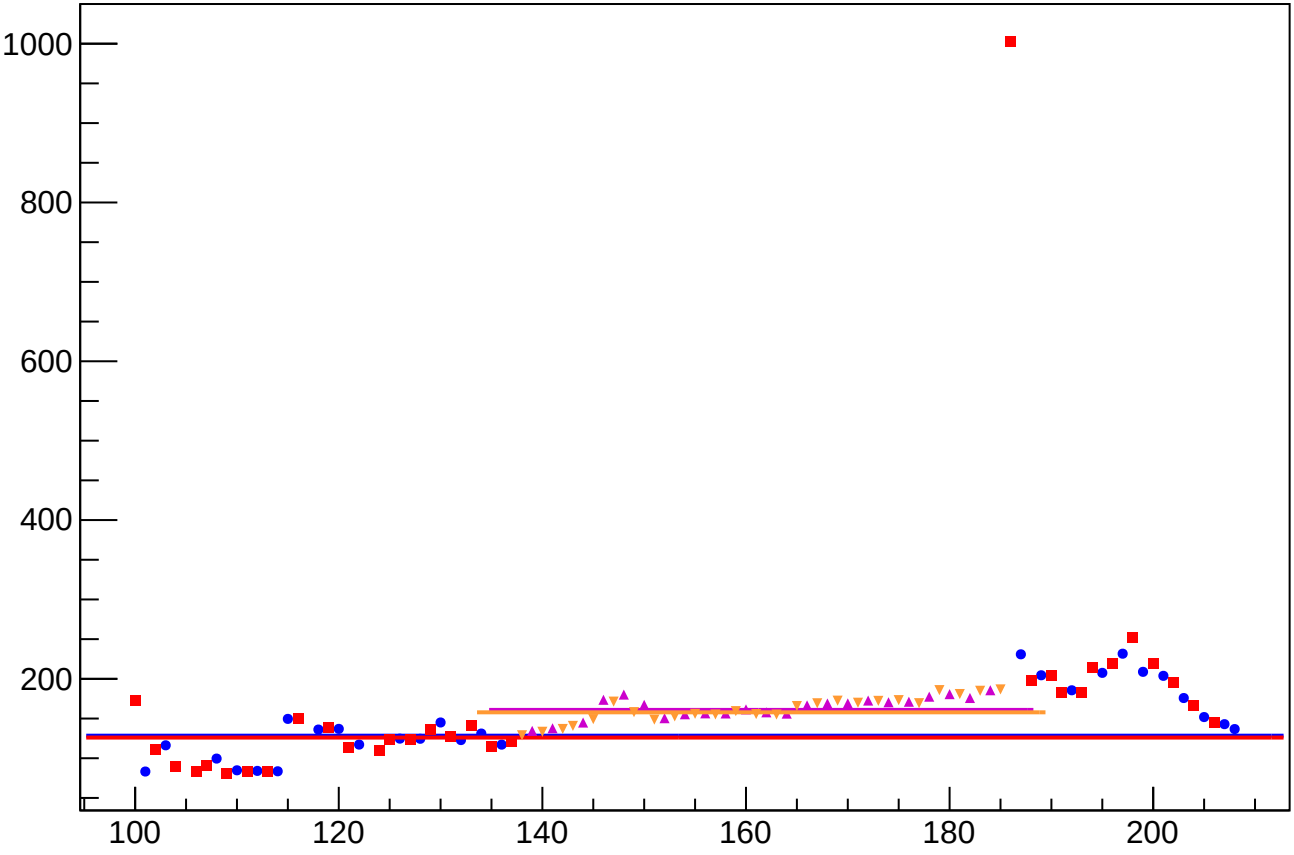
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 121.399+/-24.702 χ^2/NDF: 117.6/51

All: -2.685+/-17.583 χ^2/NDF: 271.6/105

- sign -130.124+/-25.034 χ^2/NDF: 102.9/53

eigen_cor_asym_sam6_rms vs Slug



Right In: 128.396+/-0.024 χ^2/NDF: 2701697.8/26

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.042+/-0.024 χ^2/NDF: 4168456.1/30

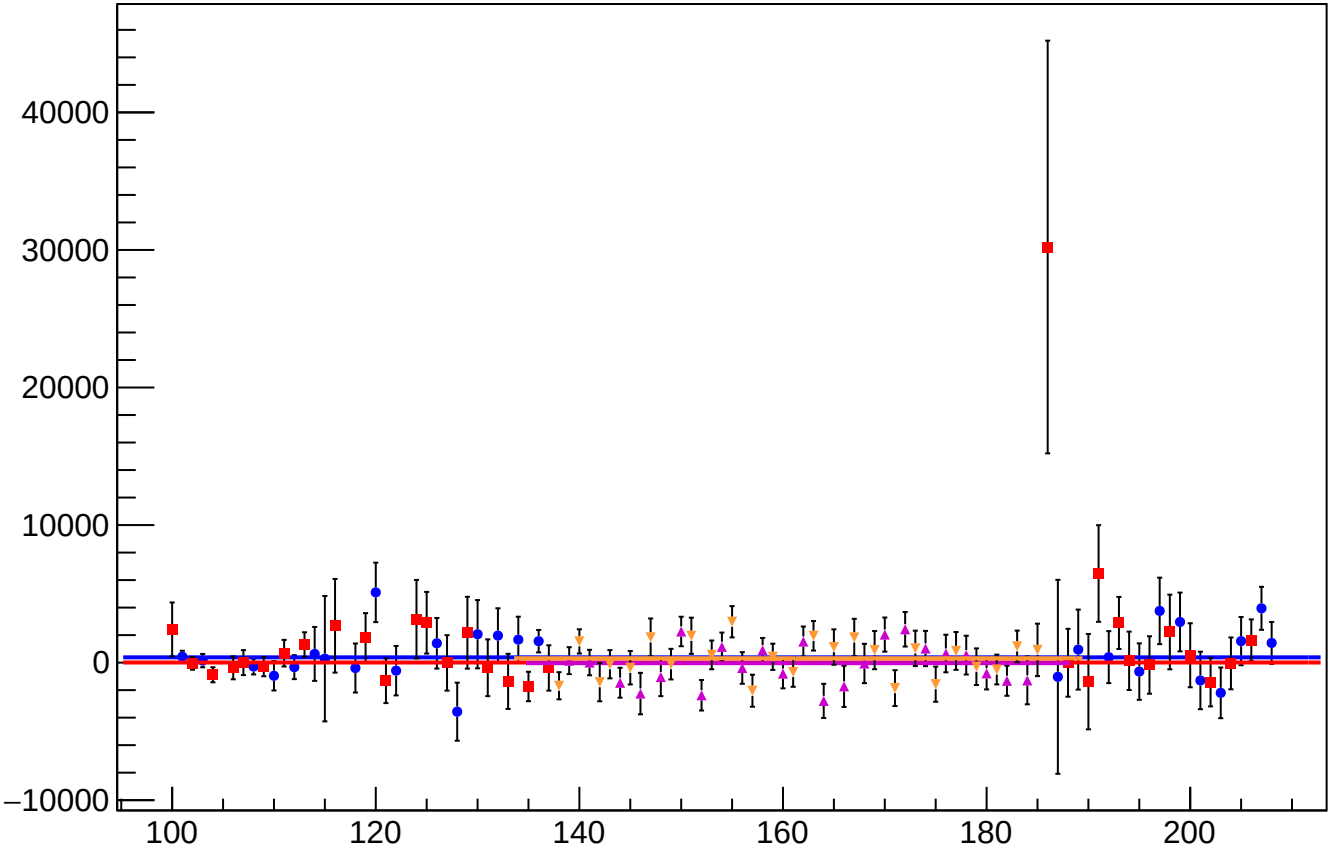
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.218+/-0.017 χ^2/NDF: 3786479.2/51

All: 141.804+/-0.012 χ^2/NDF: 9178624.5/105

- sign 141.379+/-0.018 χ^2/NDF: 5391005.4/53

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 382.715+/-215.504 χ^2/NDF: 29.2/26

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

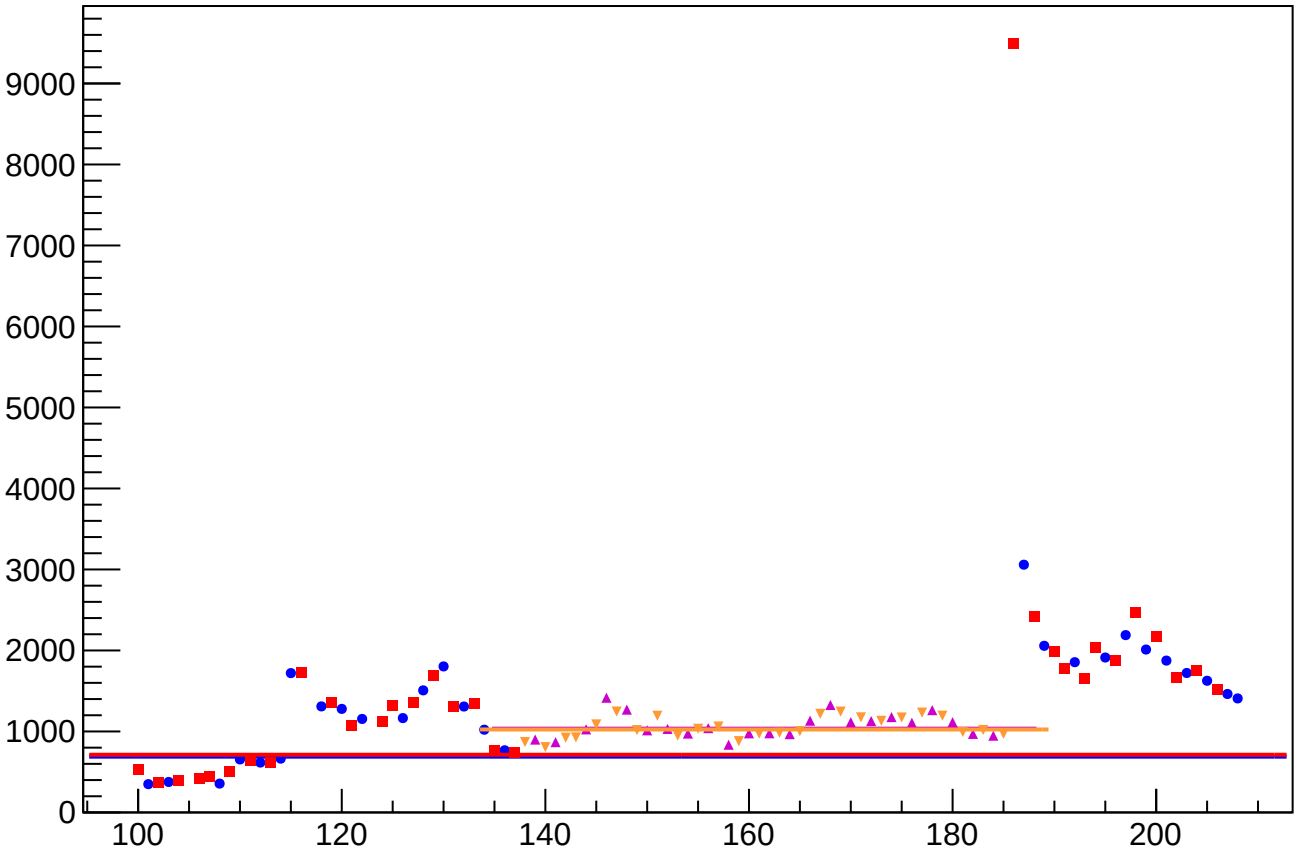
Right Out: 8.633+/-218.843 χ^2/NDF: 28.8/30

Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 354.056+/-158.856 χ^2/NDF: 61.7/51

All: 175.369+/-113.752 χ^2/NDF: 127.9/105

- sign -12.675+/-162.962 χ^2/NDF: 63.6/53



Right In: 688.948+/-0.152 χ^2/NDF: 10976358.7/26

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 712.537+/-0.155 χ^2/NDF: 11335332.3/30

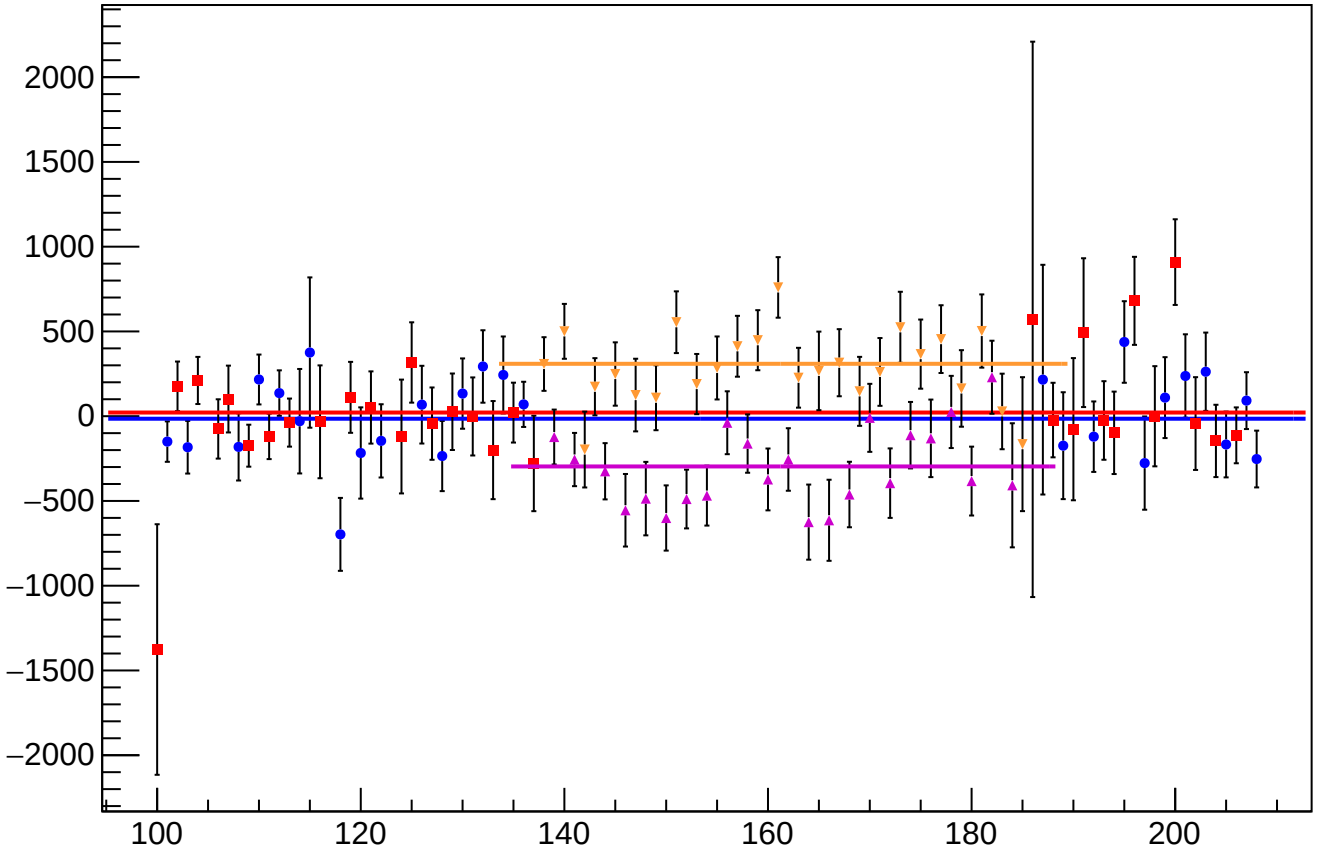
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 842.167+/-0.112 χ^2/NDF: 13788017.9/51

All: 848.876+/-0.080 χ^2/NDF: 27686761.7/10

- sign 855.936+/-0.115 χ^2/NDF: 13891422.7/53

dit_asym_sam6_mean vs Slug



Right In: -14.991+/-38.043 χ^2/NDF: 35.1/26

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 21.546+/-37.569 χ^2/NDF: 36.3/30

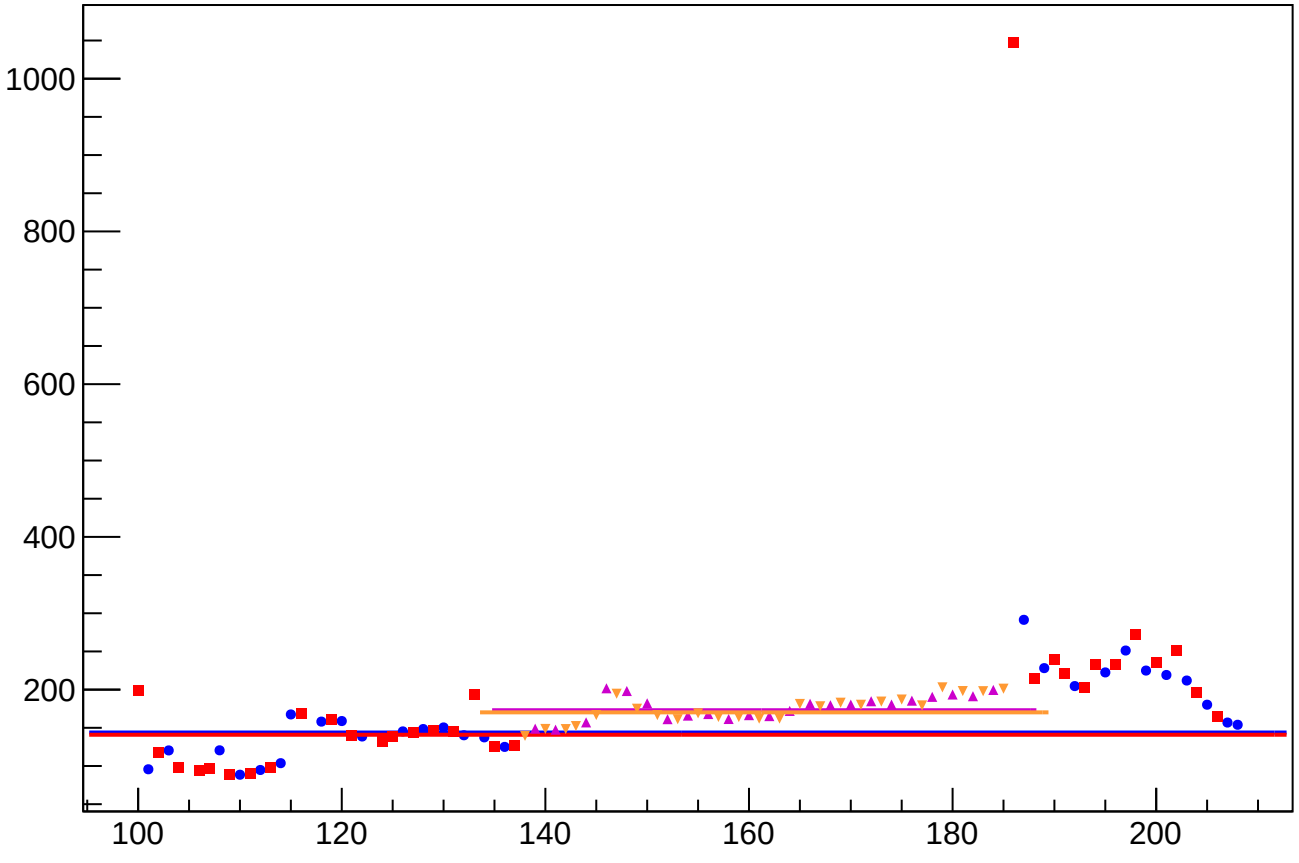
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 143.408+/-27.199 χ^2/NDF: 96.1/51

All: 10.990+/-19.365 χ^2/NDF: 241.4/105

- sign -125.134+/-27.577 χ^2/NDF: 97.2/53

dit_asym_sam6_rms vs Slug



Right In: 143.841+/-0.027 χ^2/NDF: 2659362.2/26

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 140.924+/-0.027 χ^2/NDF: 4330503.2/30

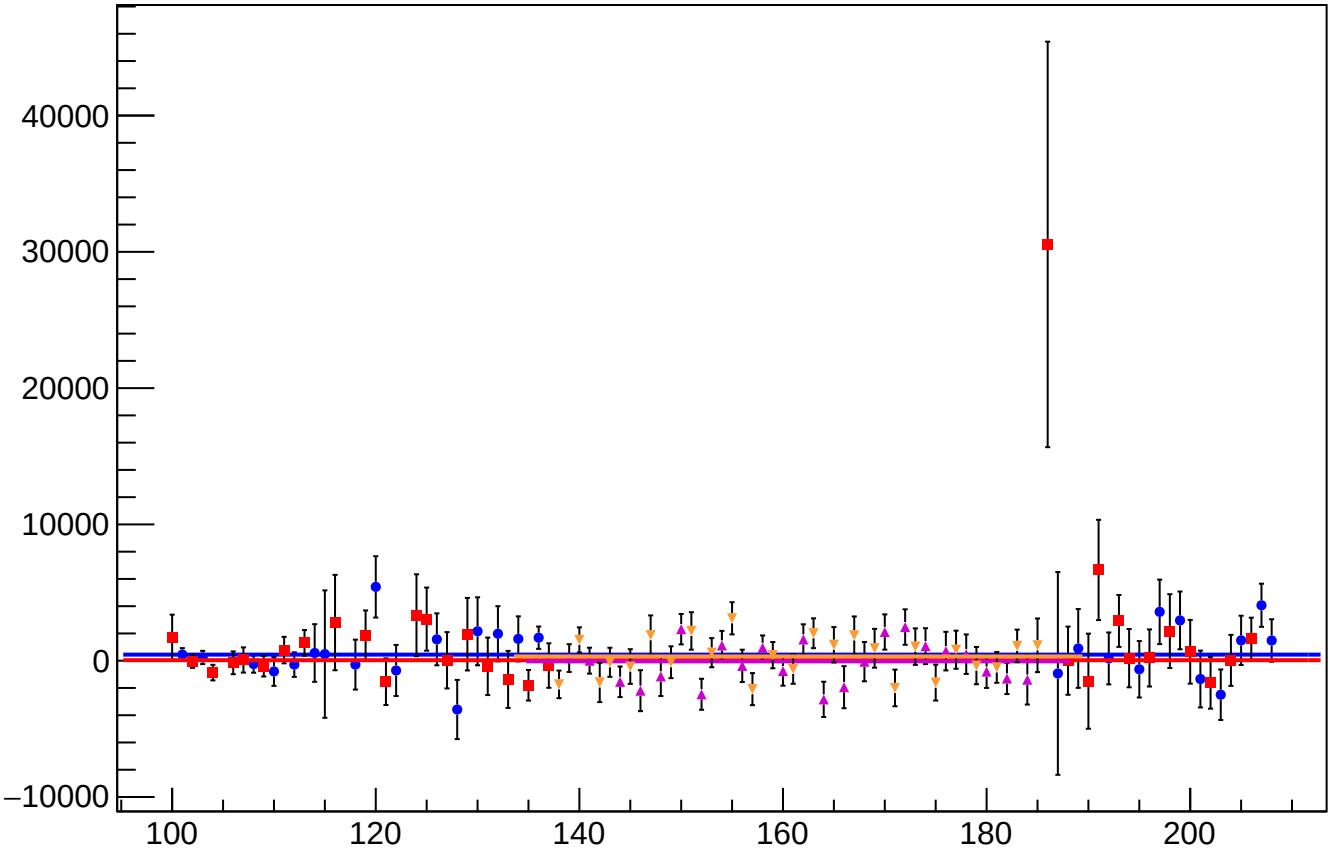
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 156.747+/-0.019 χ^2/NDF: 3496470.0/51

All: 156.244+/-0.014 χ^2/NDF: 8795448.0/105

- sign 155.728+/-0.019 χ^2/NDF: 5297595.7/53

asym_sam6_dit_correction_mean vs Slug



Right In: 446.372+/-224.571 χ^2/NDF: 29.2/26

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 37.846+/-225.676 χ^2/NDF: 27.9/30

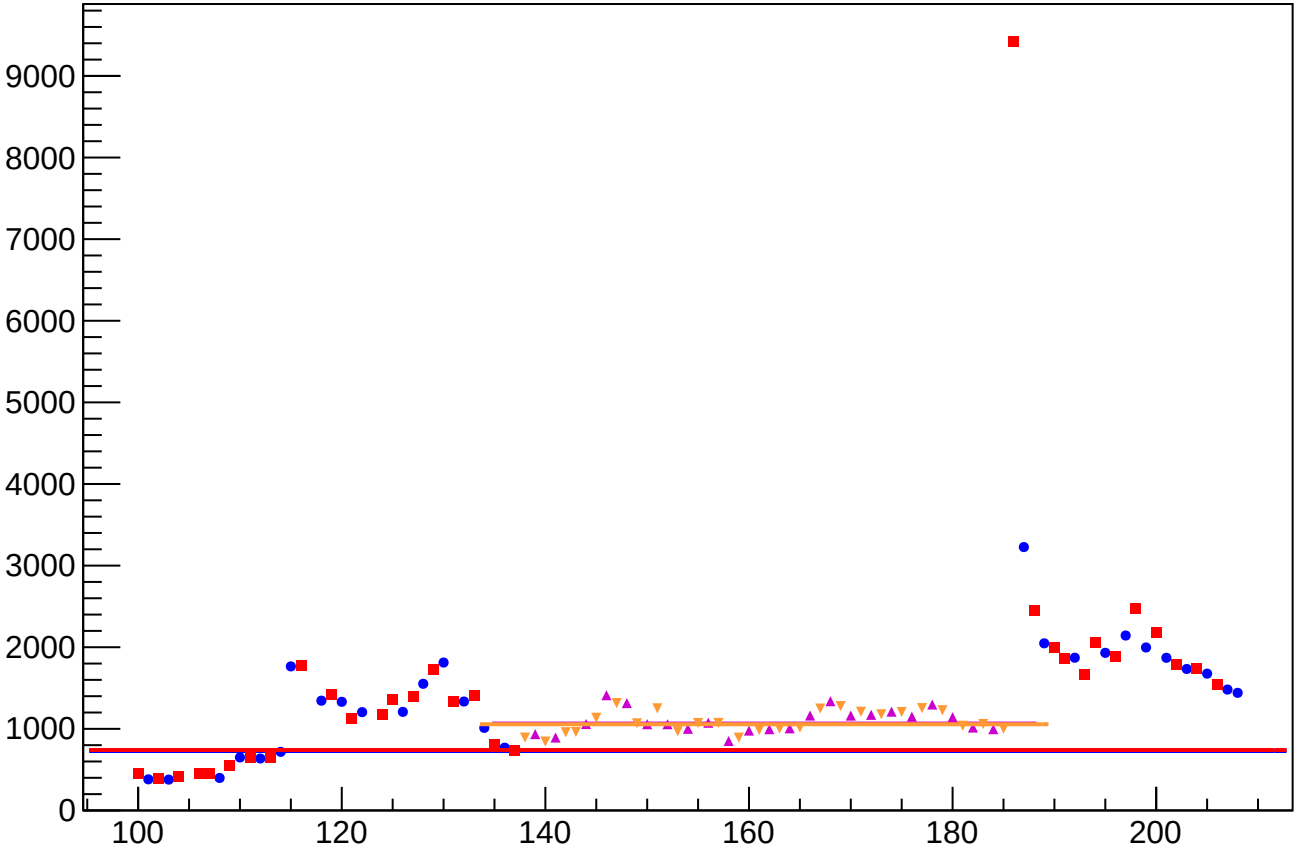
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 385.067+/-164.739 χ^2/NDF: 62.3/51

All: 196.115+/-117.587 χ^2/NDF: 127.3/105

- sign -0.143+/-167.893 χ^2/NDF: 62.4/53

asym_sam6_dit_correction_rms vs Slug



Right In: 728.434+/-0.159 χ^2/NDF: 10409901.0/26

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 740.705+/-0.160 χ^2/NDF: 11137559.5/30

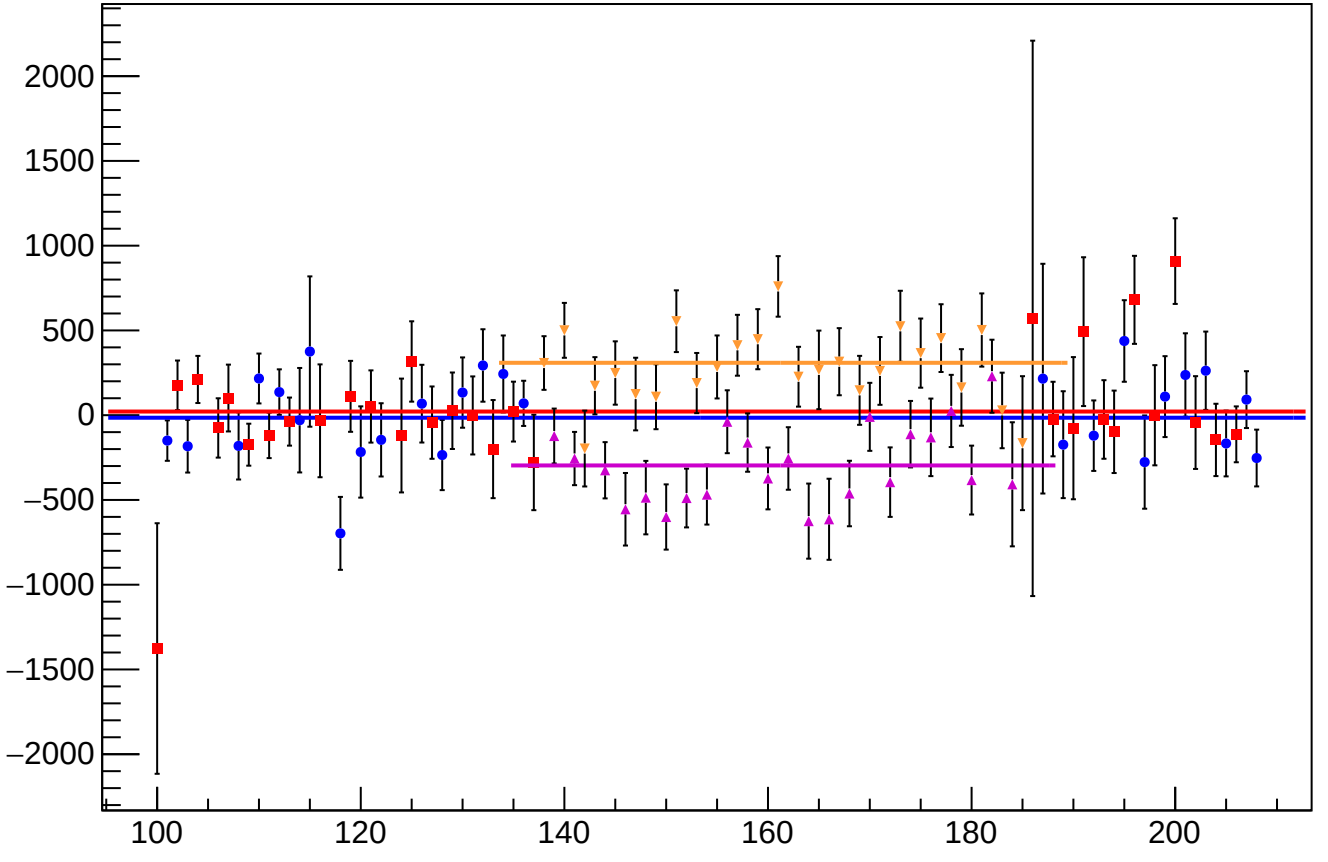
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 879.879+/-0.116 χ^2/NDF: 12989904.9/51

All: 882.574+/-0.083 χ^2/NDF: 26580220.5/10

- sign 885.374+/-0.119 χ^2/NDF: 13589224.1/53

eigen_dit_asym_sam6_mean vs Slug



Right In: -14.993+/-38.043 χ^2/NDF: 35.1/26

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 21.545+/-37.569 χ^2/NDF: 36.3/30

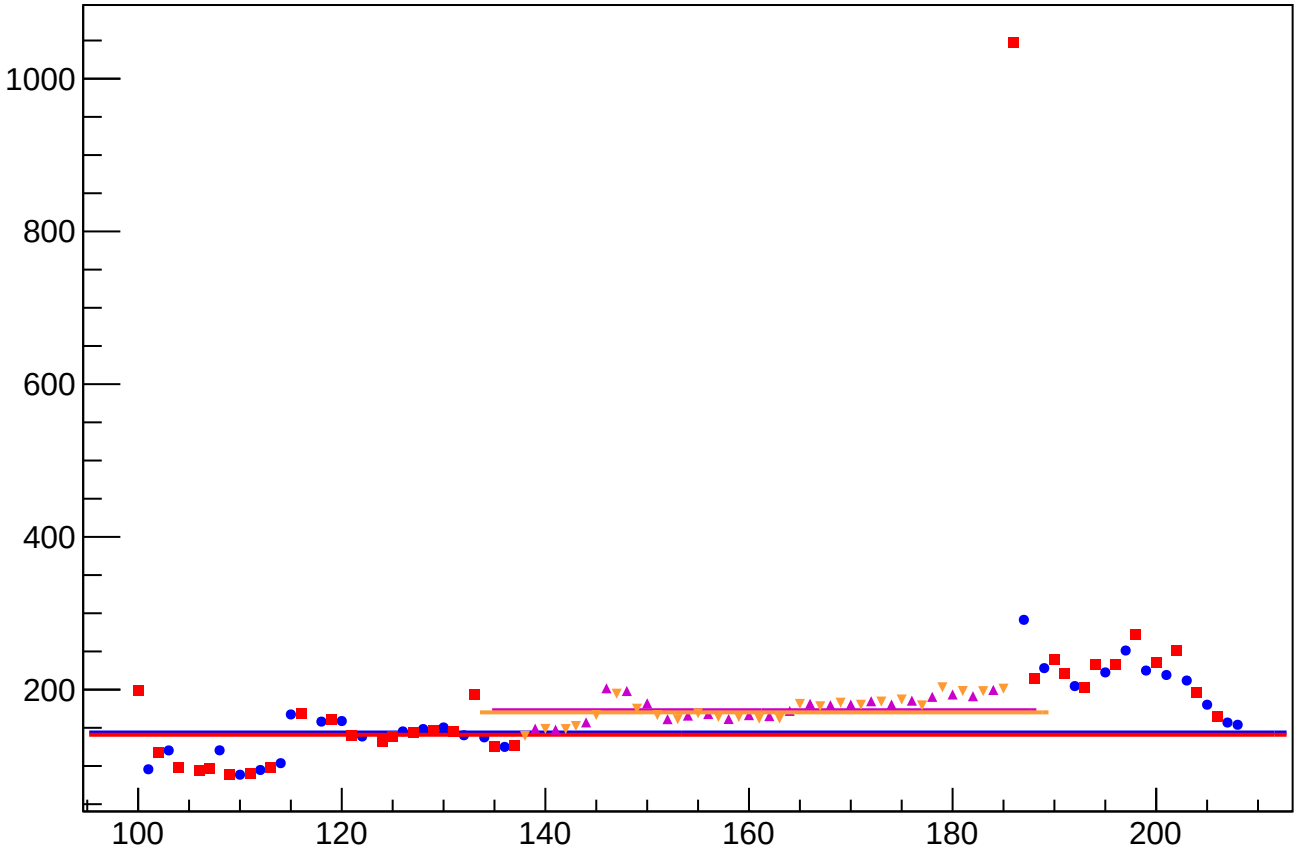
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 143.408+/-27.199 χ^2/NDF: 96.1/51

All: 10.990+/-19.365 χ^2/NDF: 241.4/105

- sign -125.135+/-27.577 χ^2/NDF: 97.2/53

eigen_dit_asym_sam6_rms vs Slug



Right In: 143.841+/-0.027 χ^2/NDF: 2659380.4/26

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 140.924+/-0.027 χ^2/NDF: 4330509.4/30

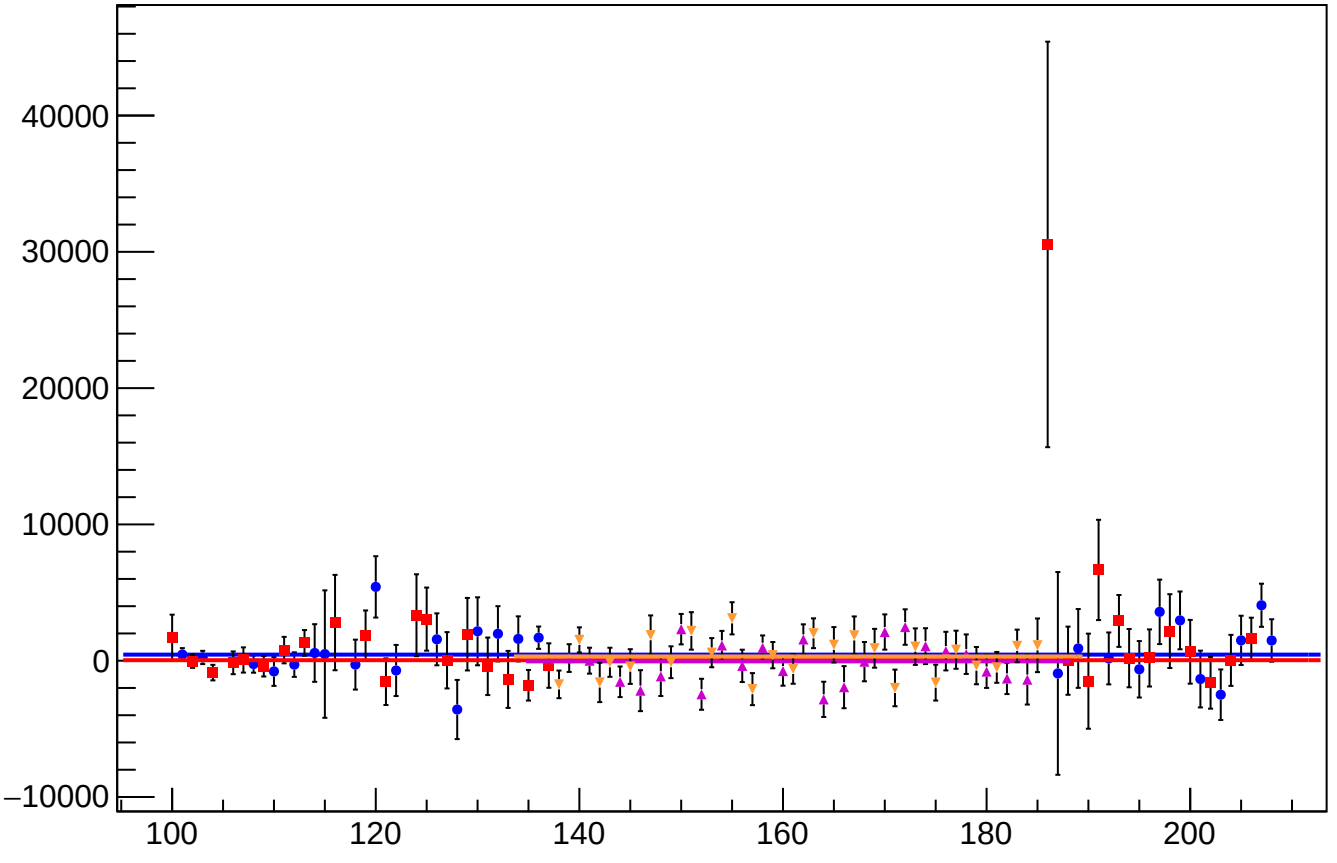
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 156.746+/-0.019 χ^2/NDF: 3496492.3/51

All: 156.244+/-0.014 χ^2/NDF: 8795480.4/105

- sign 155.728+/-0.019 χ^2/NDF: 5297605.9/53

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 446.371+/-224.570 χ^2/NDF: 29.2/26

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 37.845+/-225.676 χ^2/NDF: 27.9/30

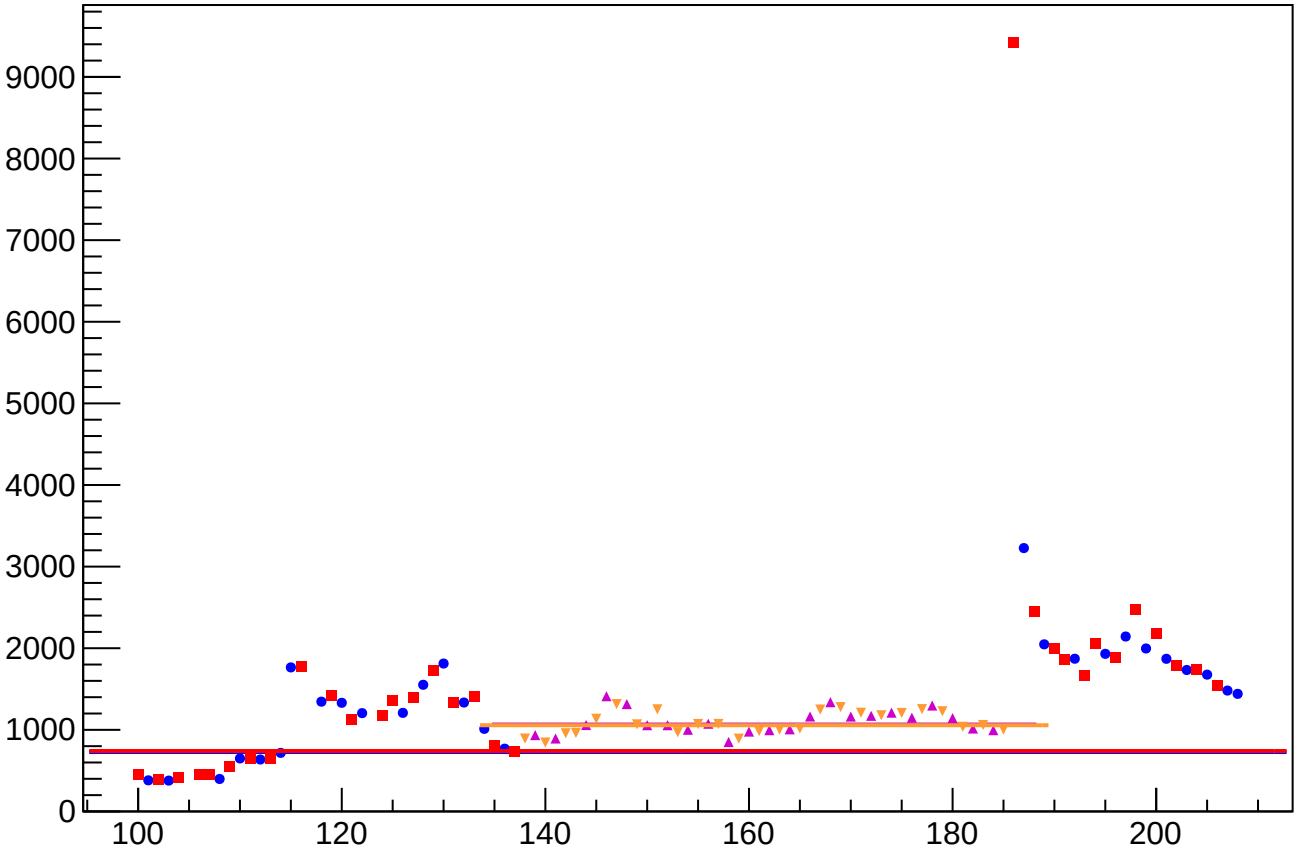
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 385.067+/-164.739 χ^2/NDF: 62.3/51

All: 196.114+/-117.587 χ^2/NDF: 127.3/105

- sign -0.144+/-167.893 χ^2/NDF: 62.4/53

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 728.434+/-0.159 χ^2/NDF: 10409912.4/26

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

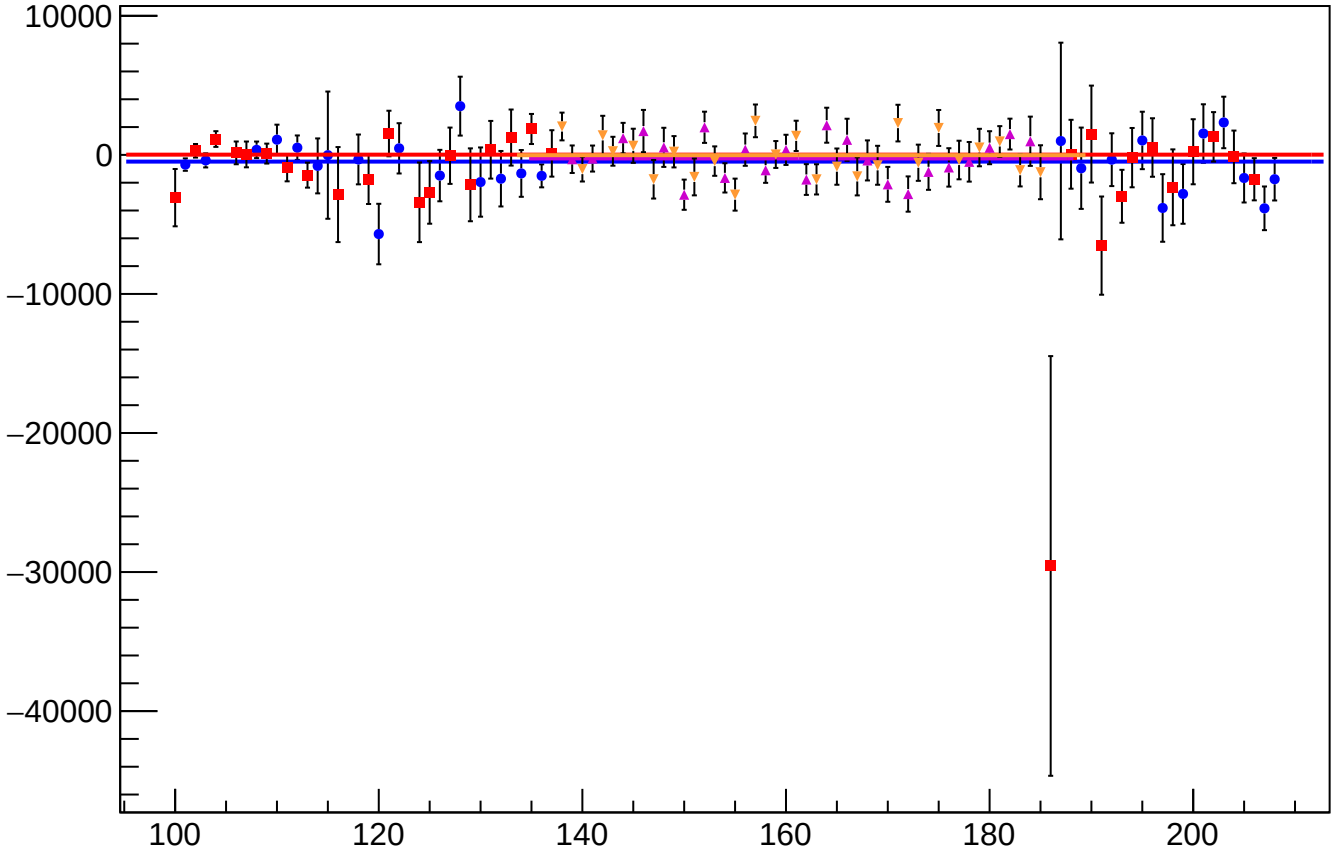
Right Out: 740.704+/-0.160 χ^2/NDF: 11137563.7/30

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 879.878+/-0.116 χ^2/NDF: 12989936.4/51

All: 882.574+/-0.083 χ^2/NDF: 26580268.1/10

- sign 885.373+/-0.119 χ^2/NDF: 13589240.1/53



Right In: -482.759+/-221.231 χ^2/NDF: 30.7/26

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 16.661+/-223.512 χ^2/NDF: 32.2/30

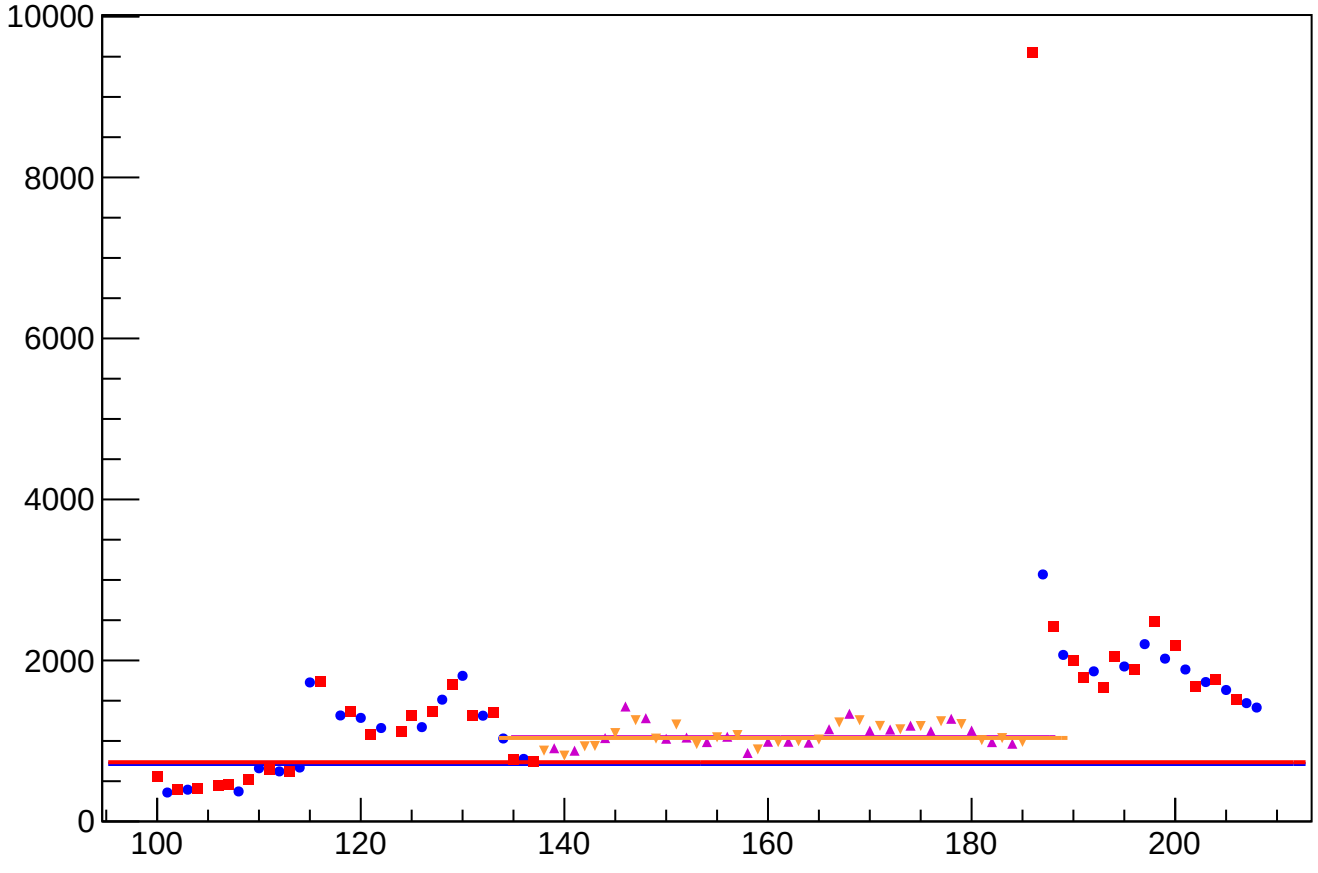
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -269.091+/-162.029 χ^2/NDF: 67.2/51

All: -189.276+/-115.879 χ^2/NDF: 134.2/105

- sign -105.711+/-165.791 χ^2/NDF: 66.5/53

asym_sam6_rms vs Slug



Right In: 713.754+/-0.156 χ^2/NDF: 10594564.8/26

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

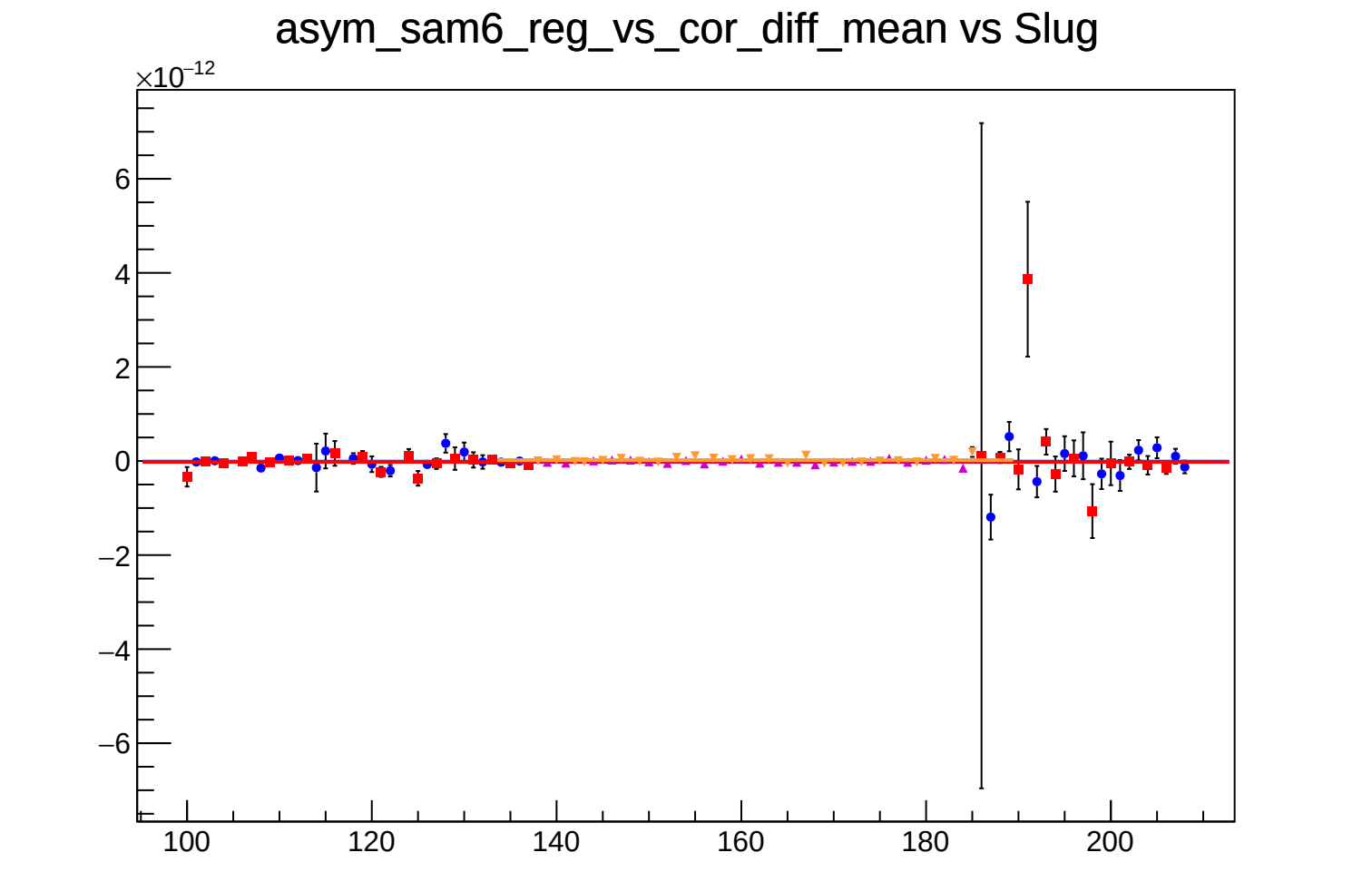
Right Out: 735.943+/-0.158 χ^2/NDF: 10976956.7/30

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 863.758+/-0.115 χ^2/NDF: 13163485.4/51

All: 869.807+/-0.082 χ^2/NDF: 26508862.6/10

- sign 876.139+/-0.117 χ^2/NDF: 13339672.4/53



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

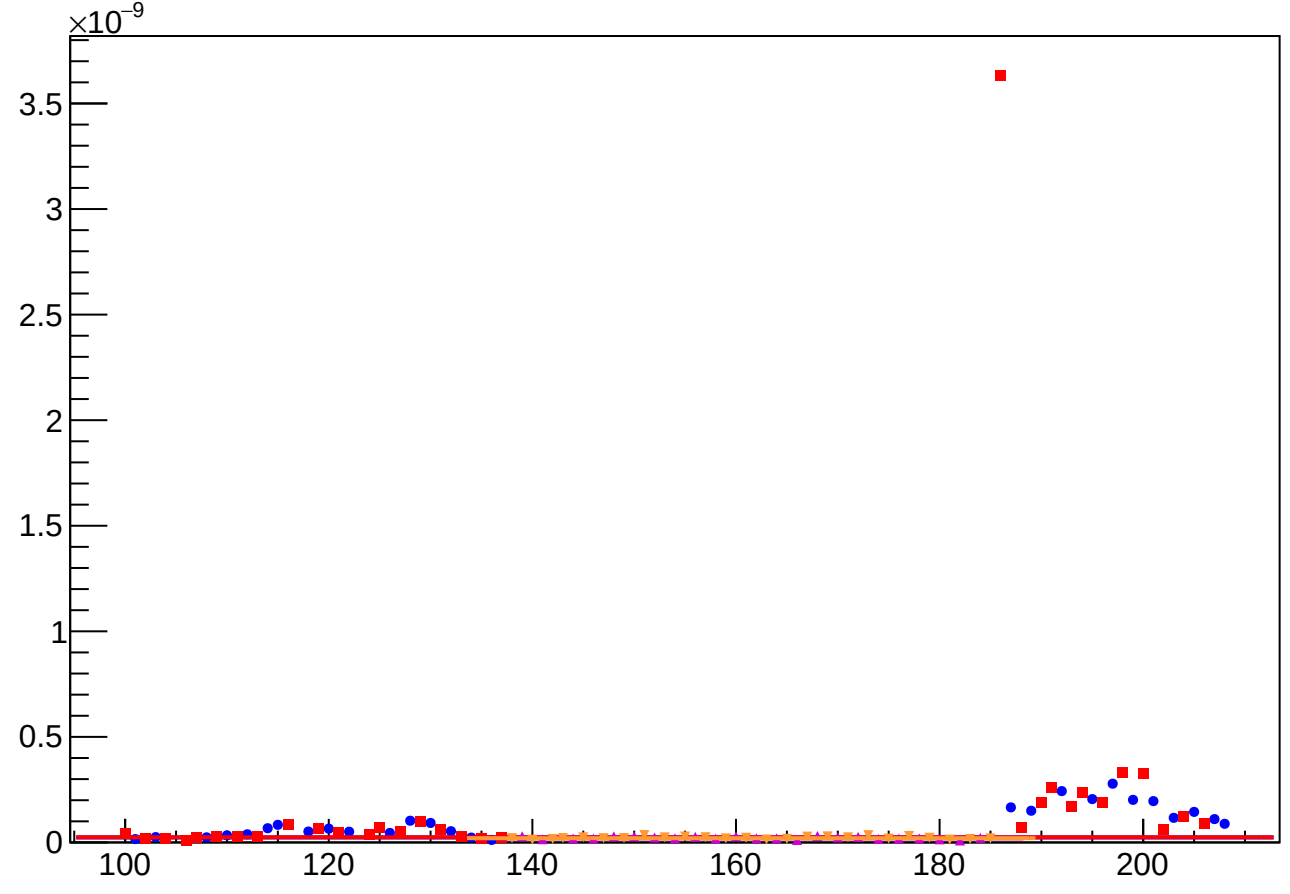
Right Out: -0.000+/-0.000 χ^2/NDF: 33.4/30

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.3/51

All: 0.000+/-0.000 χ^2/NDF: 124.7/105

- sign -0.000+/-0.000 χ^2/NDF: 52.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 7714842.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7244967.5/30

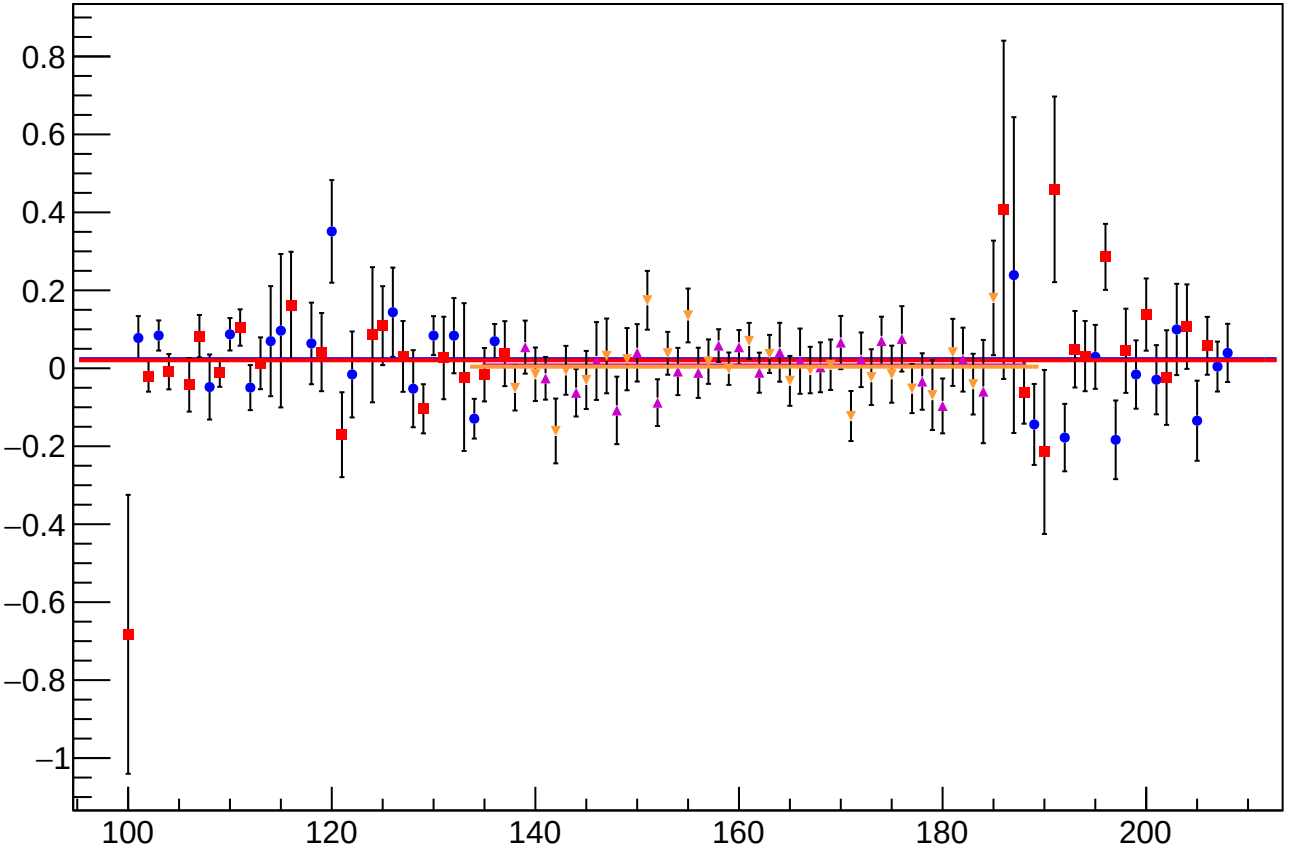
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8825698.5/51

All: 0.000+/-0.000 χ^2/NDF: 17351548.7/105

- sign 0.000+/-0.000 χ^2/NDF: 8516602.1/53

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.014 χ^2/NDF: 44.4/26

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.021+/-0.014 χ^2/NDF: 40.1/30

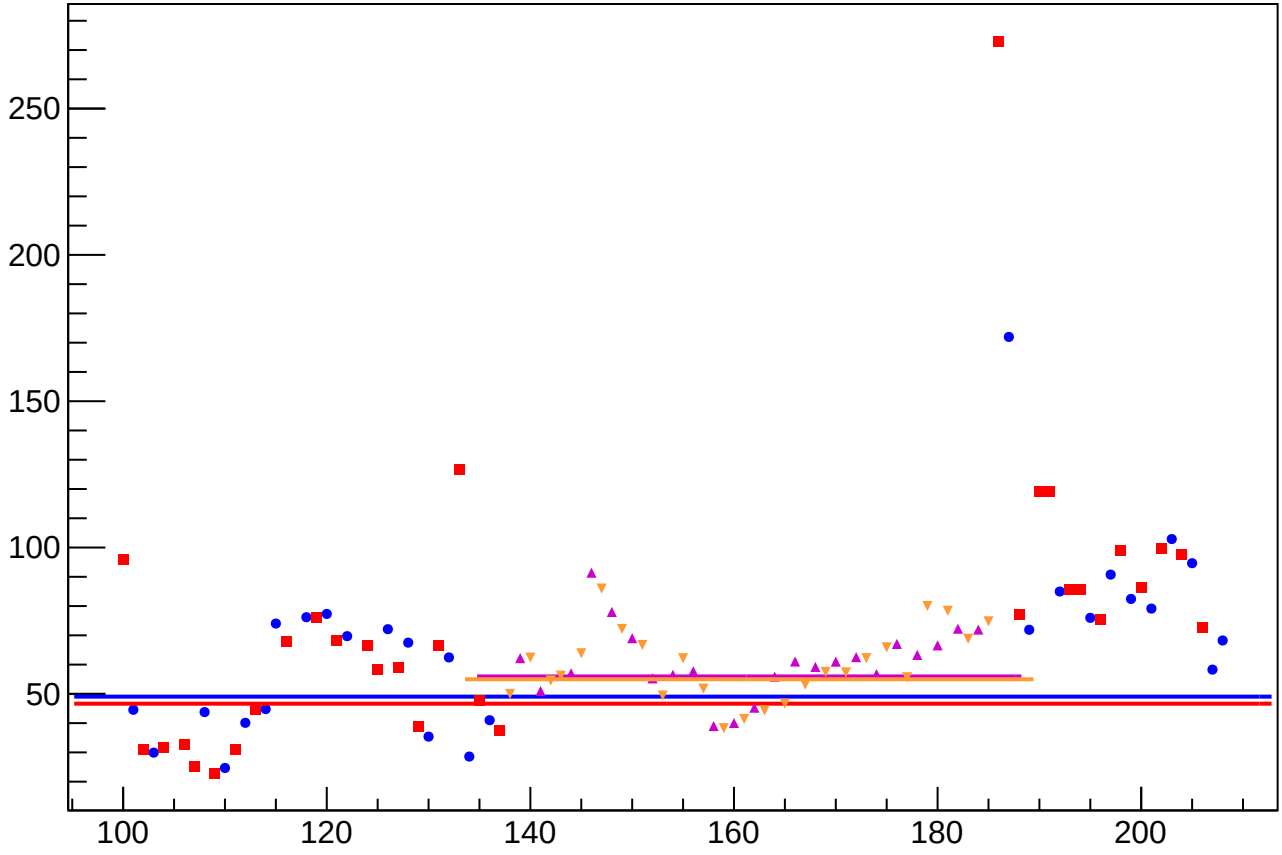
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 70.2/51

All: 0.014+/-0.007 χ^2/NDF: 125.8/105

- sign 0.014+/-0.010 χ^2/NDF: 55.6/53

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 49.052+/-0.010 χ^2/NDF: 4994177.9/26

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 46.643+/-0.010 χ^2/NDF: 7049176.0/30

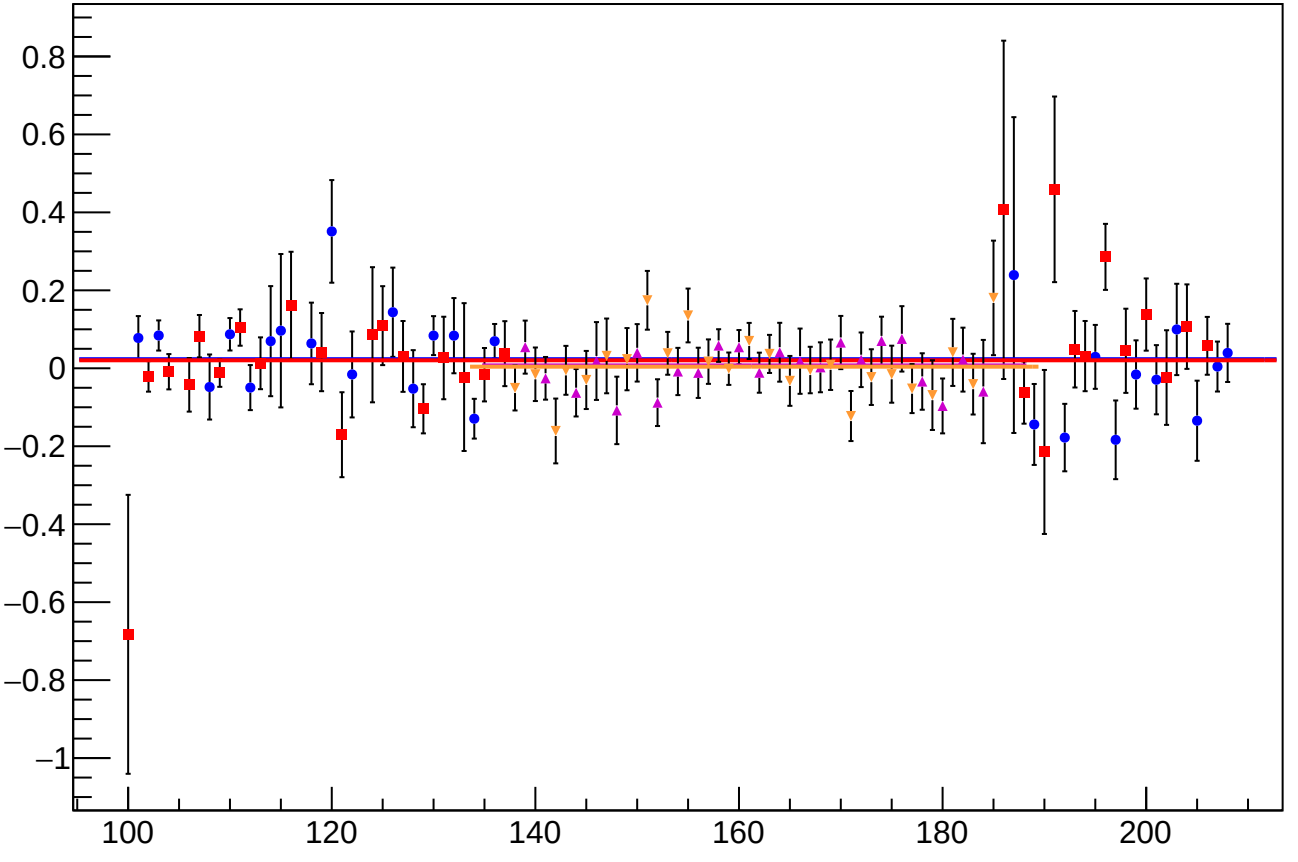
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 52.215+/-0.007 χ^2/NDF: 6757049.8/51

All: 51.759+/-0.005 χ^2/NDF: 15696961.6/105

- sign 51.294+/-0.007 χ^2/NDF: 8930529.2/53

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023+/-0.014 χ^2/NDF: 44.4/26

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.021+/-0.014 χ^2/NDF: 40.1/30

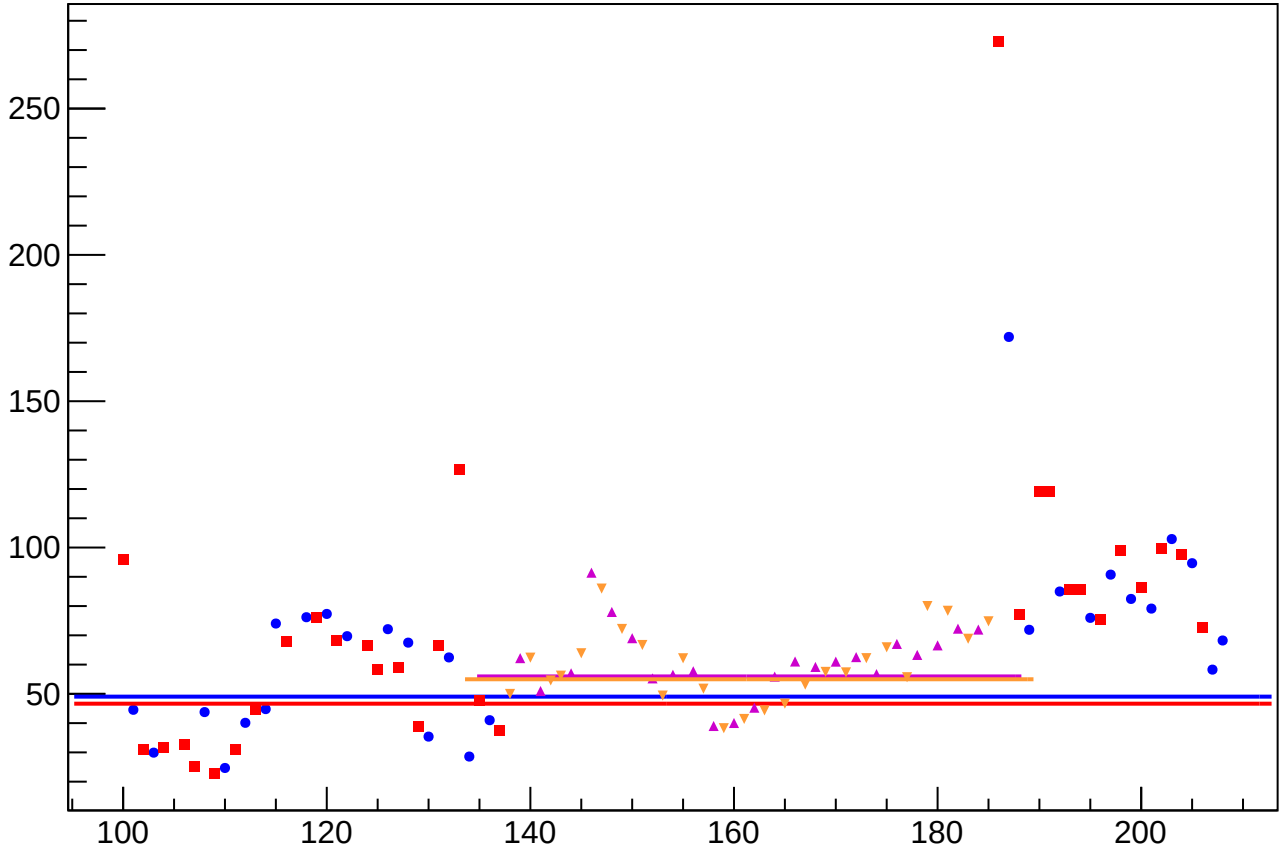
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 70.2/51

All: 0.014+/-0.007 χ^2/NDF: 125.8/105

- sign 0.014+/-0.010 χ^2/NDF: 55.6/53

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.052+/-0.010 χ^2/NDF: 4994177.9/26

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

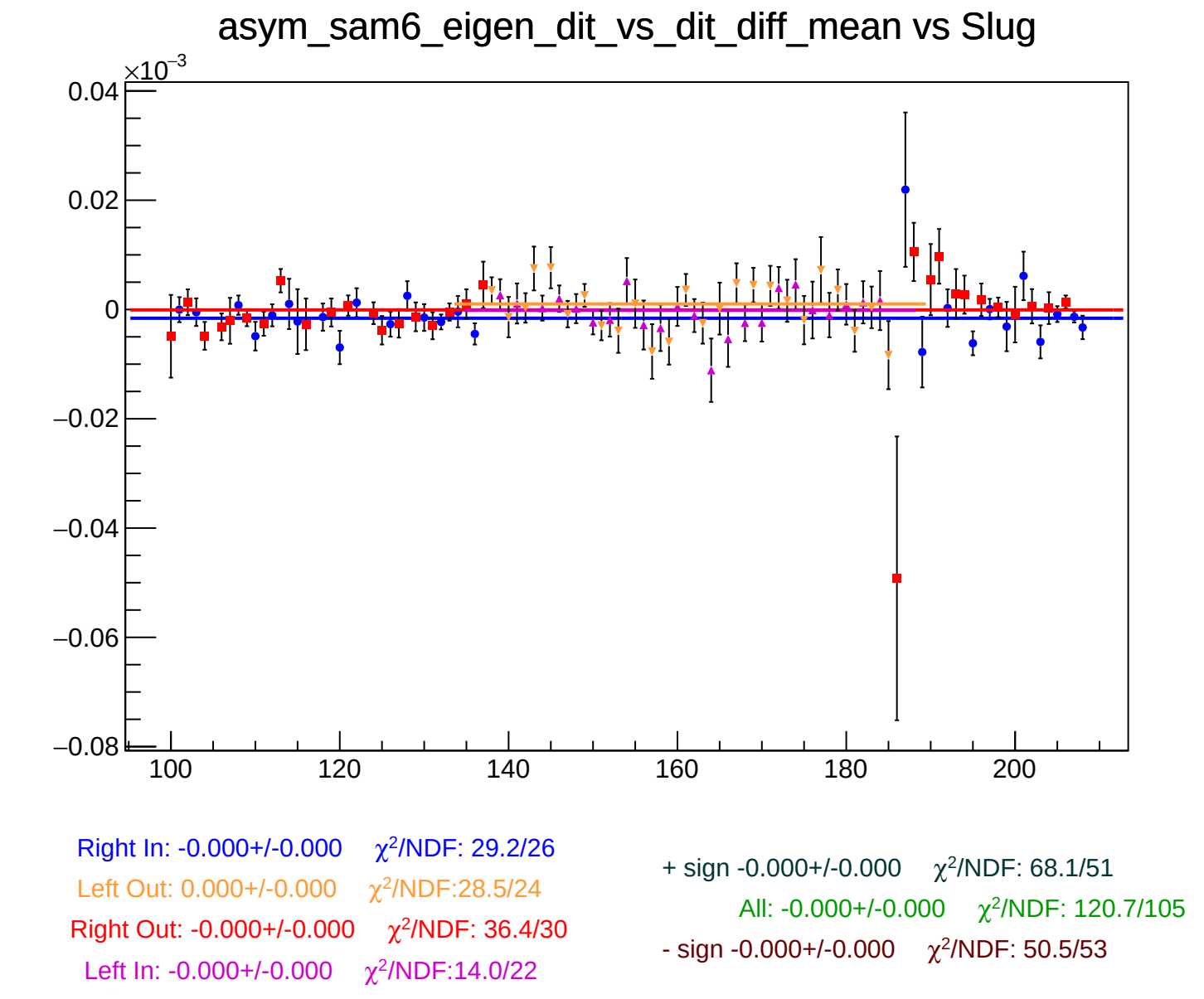
Right Out: 46.643+/-0.010 χ^2/NDF: 7049176.0/30

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

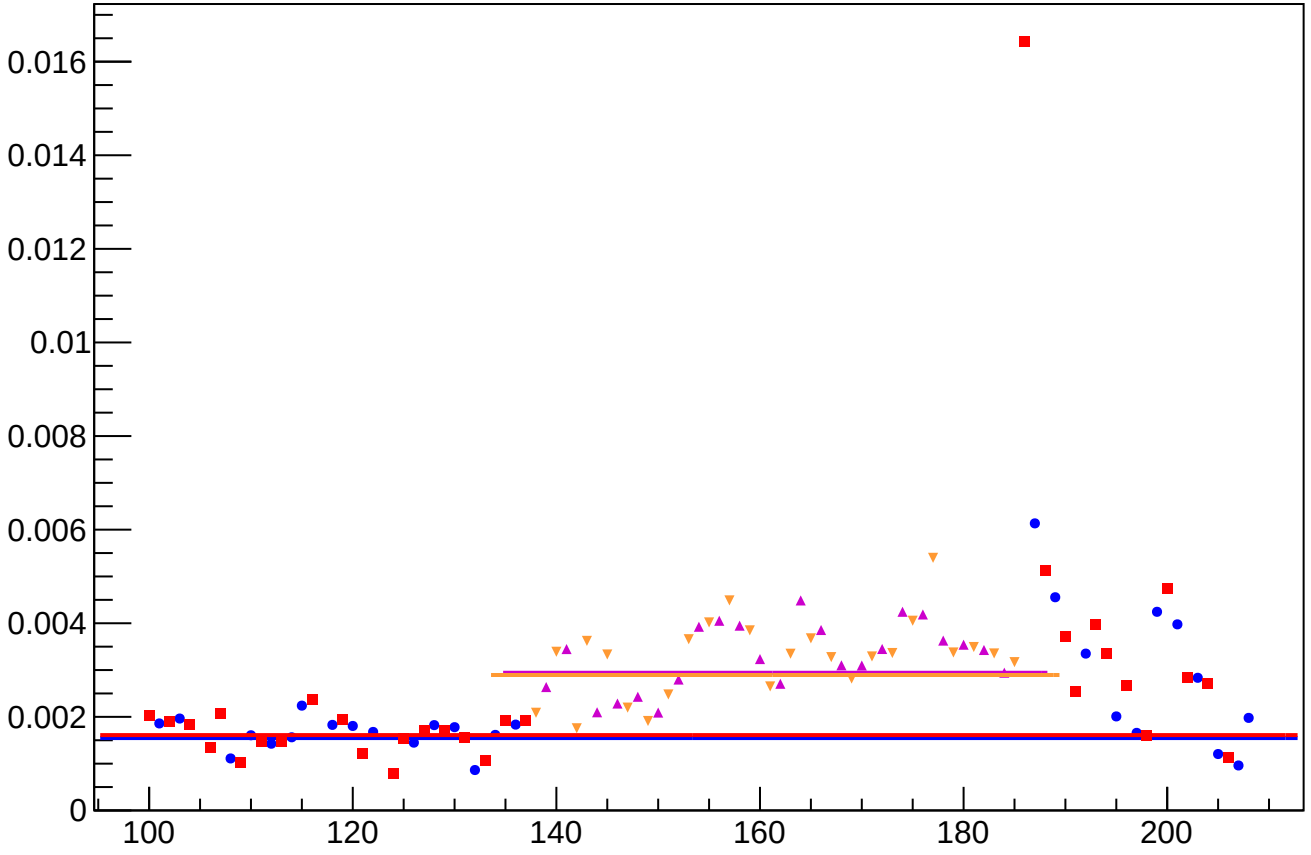
+ sign 52.215+/-0.007 χ^2/NDF: 6757049.8/51

All: 51.759+/-0.005 χ^2/NDF: 15696961.6/105

- sign 51.294+/-0.007 χ^2/NDF: 8930529.2/53


asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 29.2/26
Left Out: 0.000+/-0.000 χ²/NDF:28.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 36.4/30
Left In: -0.000+/-0.000 χ²/NDF:14.0/22
+ sign -0.000+/-0.000 χ²/NDF: 68.1/51
All: -0.000+/-0.000 χ²/NDF: 120.7/105
- sign -0.000+/-0.000 χ²/NDF: 50.5/53

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4687166.9/26

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

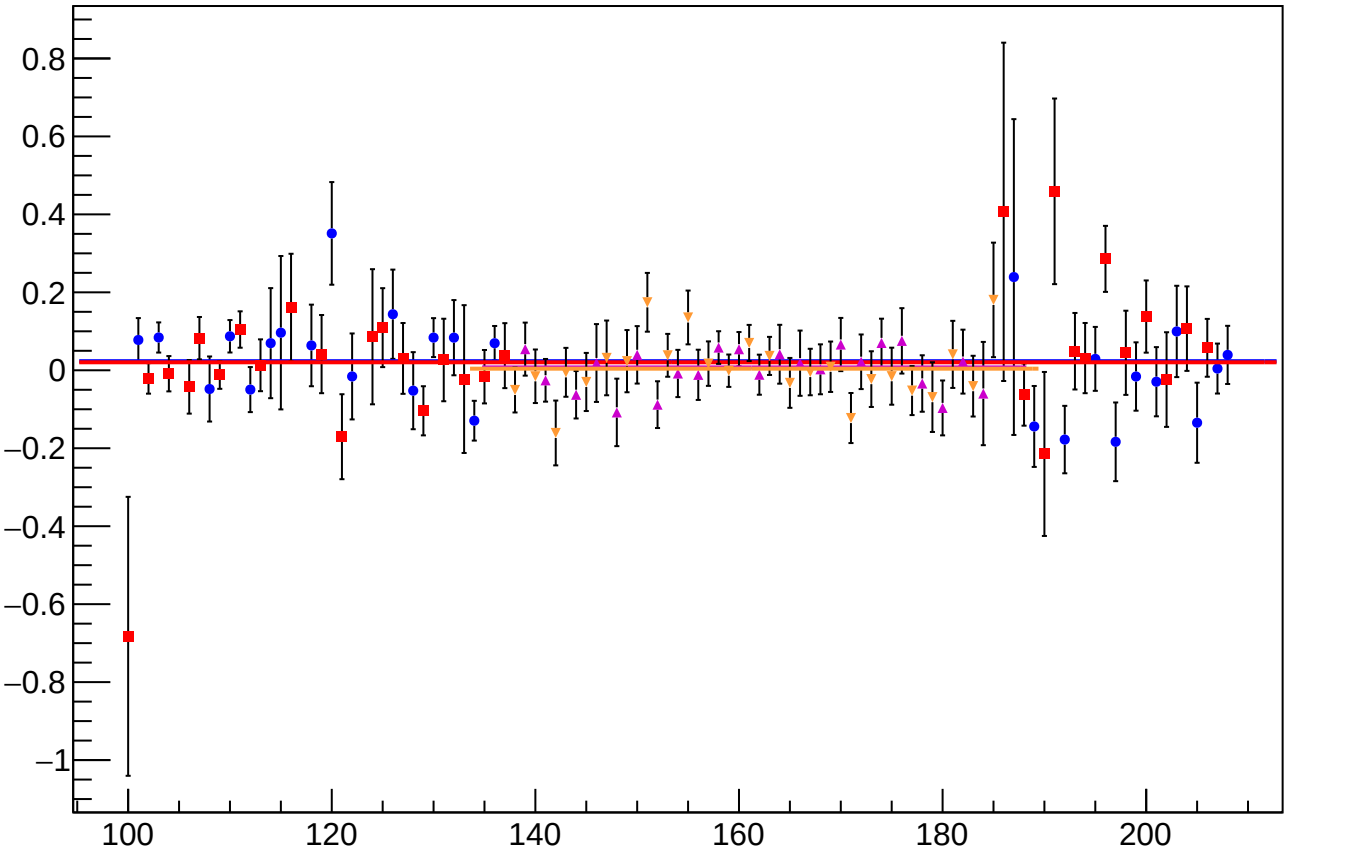
Right Out: 0.002+/-0.000 χ^2/NDF: 6002378.6/30

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 12873785.3/51

All: 0.002+/-0.000 χ^2/NDF: 25837266.8/105

- sign 0.002+/-0.000 χ^2/NDF: 12935941.2/53



Right In: 0.023+/-0.014 χ^2/NDF: 44.4/26

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.021+/-0.014 χ^2/NDF: 40.1/30

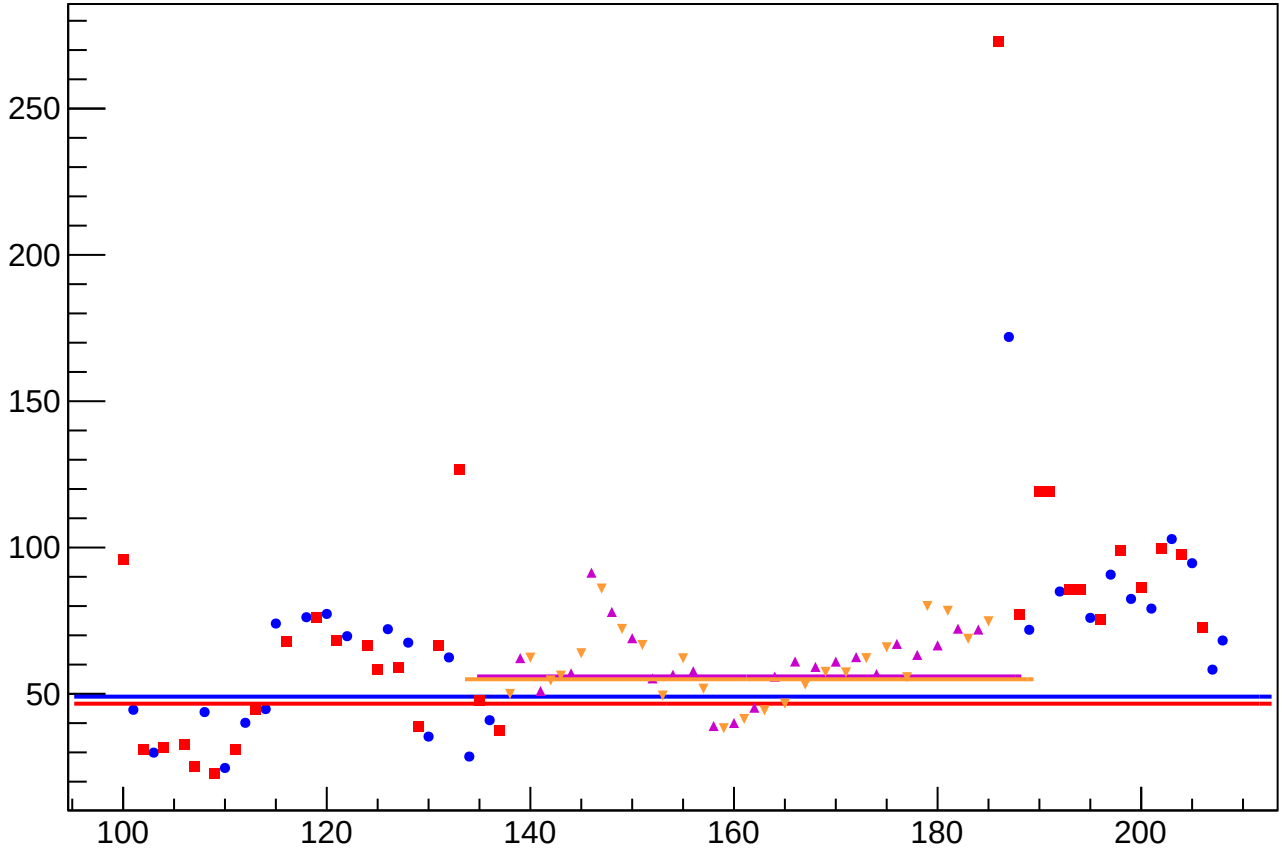
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 70.2/51

All: 0.014+/-0.007 χ^2/NDF: 125.8/105

- sign 0.014+/-0.010 χ^2/NDF: 55.6/53

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 49.051+/-0.010 χ^2/NDF: 4994296.9/26

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

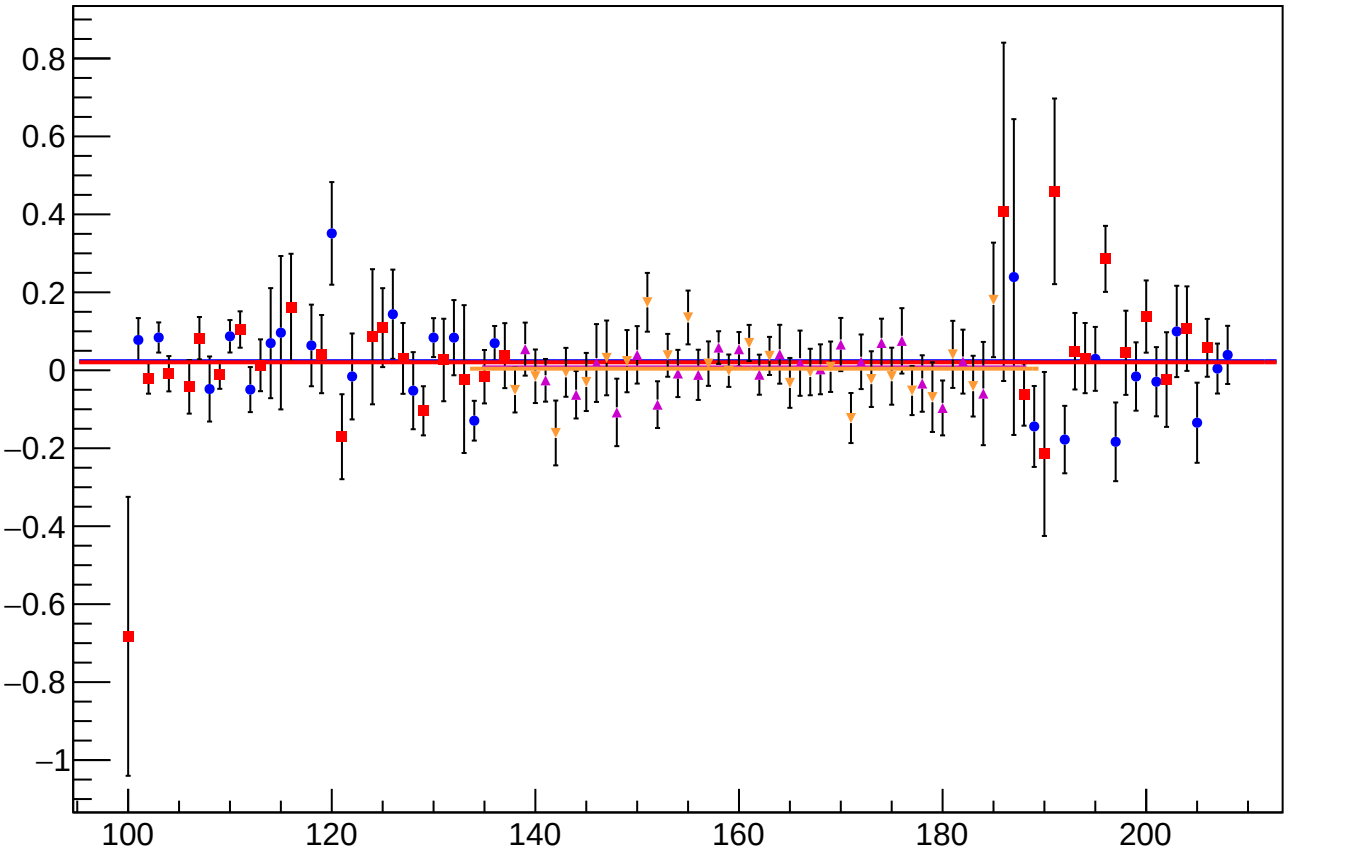
Right Out: 46.642+/-0.010 χ^2/NDF: 7049186.4/30

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 52.214+/-0.007 χ^2/NDF: 6757267.4/51

All: 51.758+/-0.005 χ^2/NDF: 15697283.5/105

- sign 51.293+/-0.007 χ^2/NDF: 8930634.9/53



Right In: 0.023+/-0.014 χ^2/NDF: 44.4/26

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.021+/-0.014 χ^2/NDF: 40.1/30

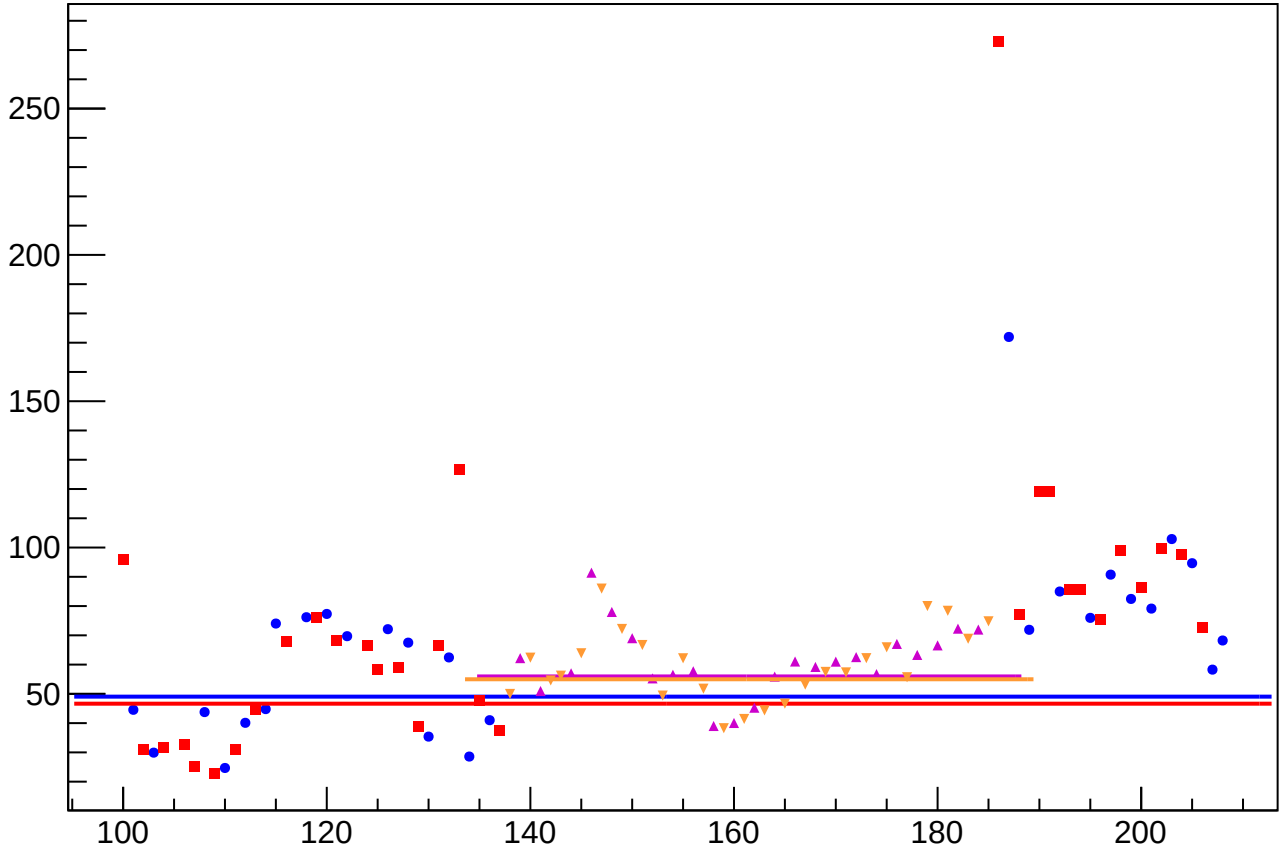
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 70.2/51

All: 0.014+/-0.007 χ^2/NDF: 125.8/105

- sign 0.014+/-0.010 χ^2/NDF: 55.6/53

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.051+/-0.010 χ^2/NDF: 4994296.9/26

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 46.642+/-0.010 χ^2/NDF: 7049186.4/30

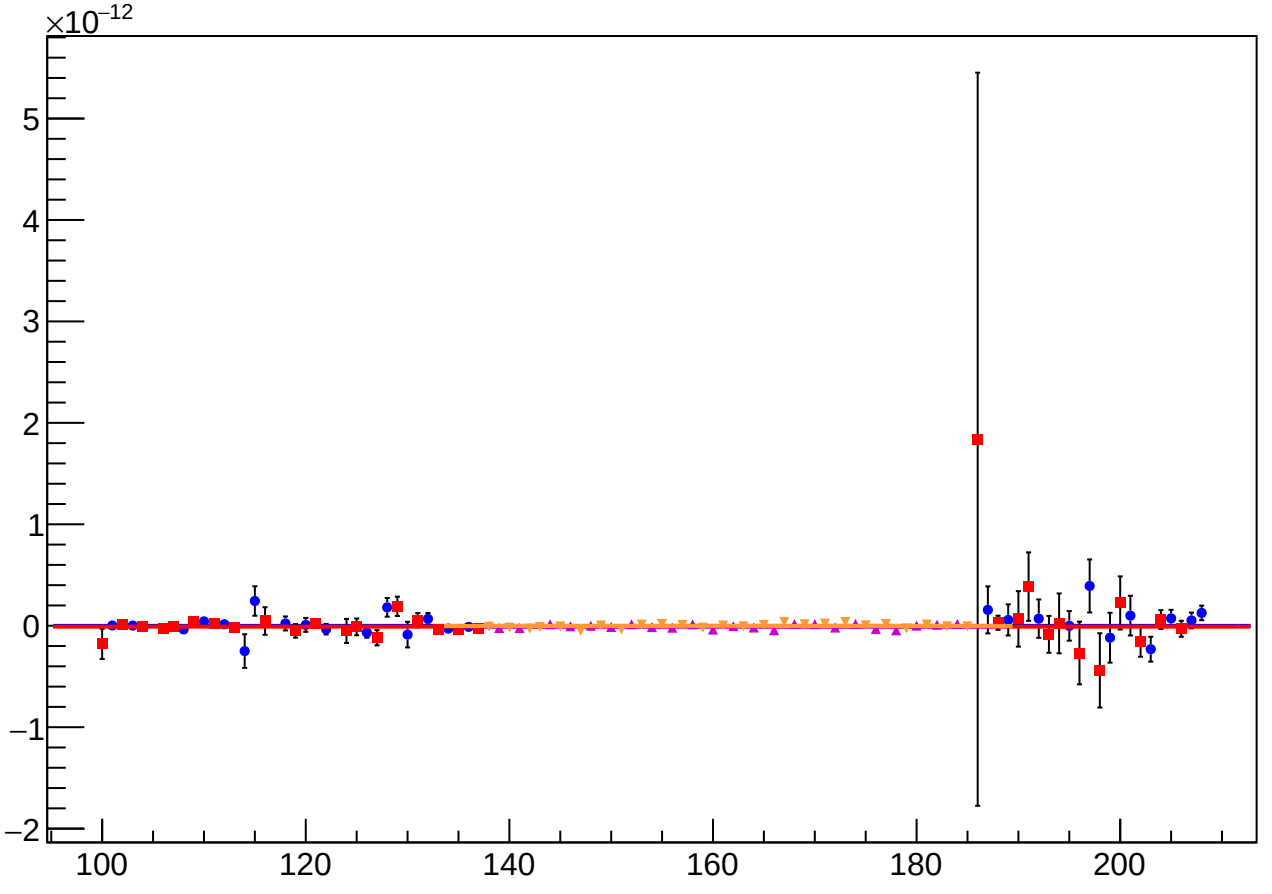
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 52.214+/-0.007 χ^2/NDF: 6757267.4/51

All: 51.758+/-0.005 χ^2/NDF: 15697283.5/105

- sign 51.293+/-0.007 χ^2/NDF: 8930634.9/53

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/30

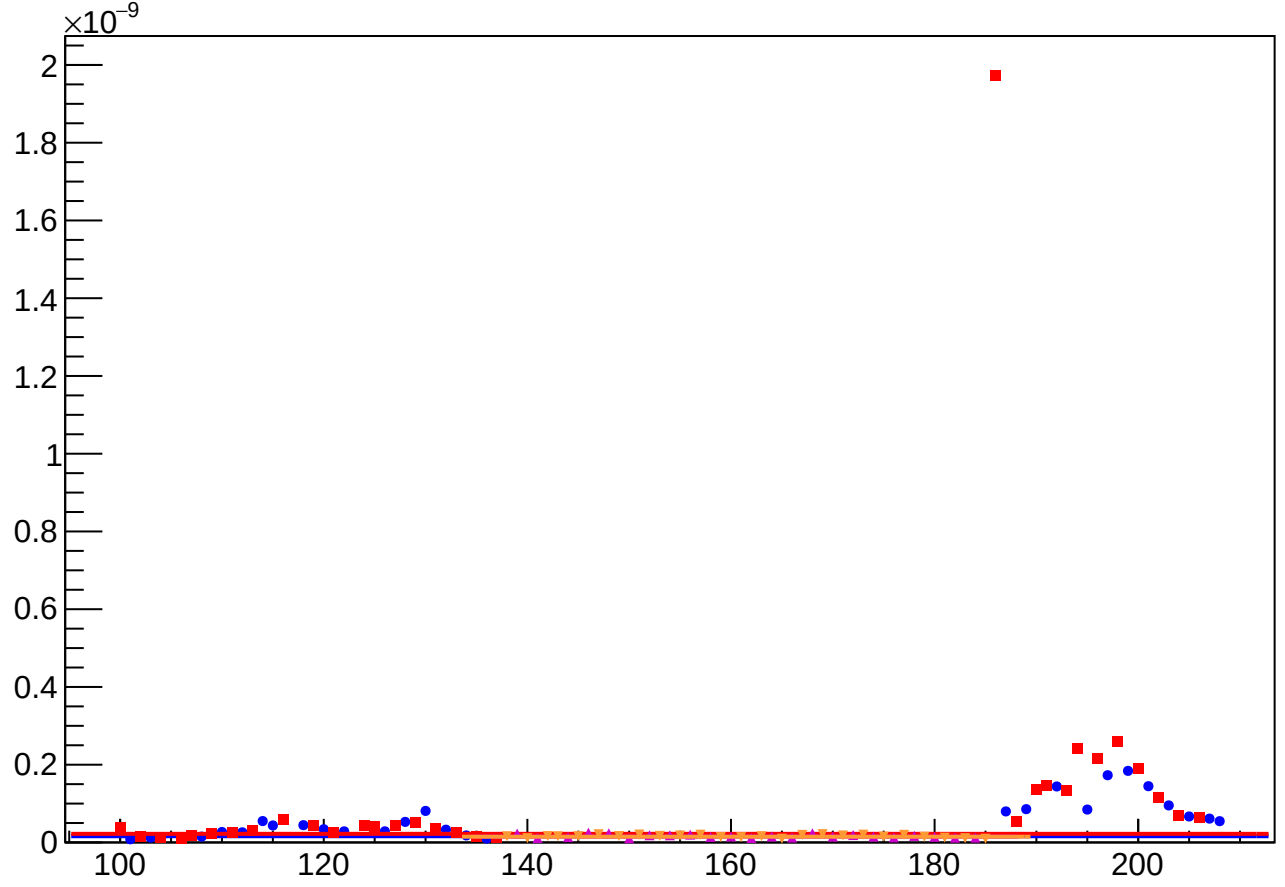
Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.4/51

All: -0.000+/-0.000 χ^2/NDF: 92.7/105

- sign -0.000+/-0.000 χ^2/NDF: 44.3/53

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10692765.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10091213.5/30

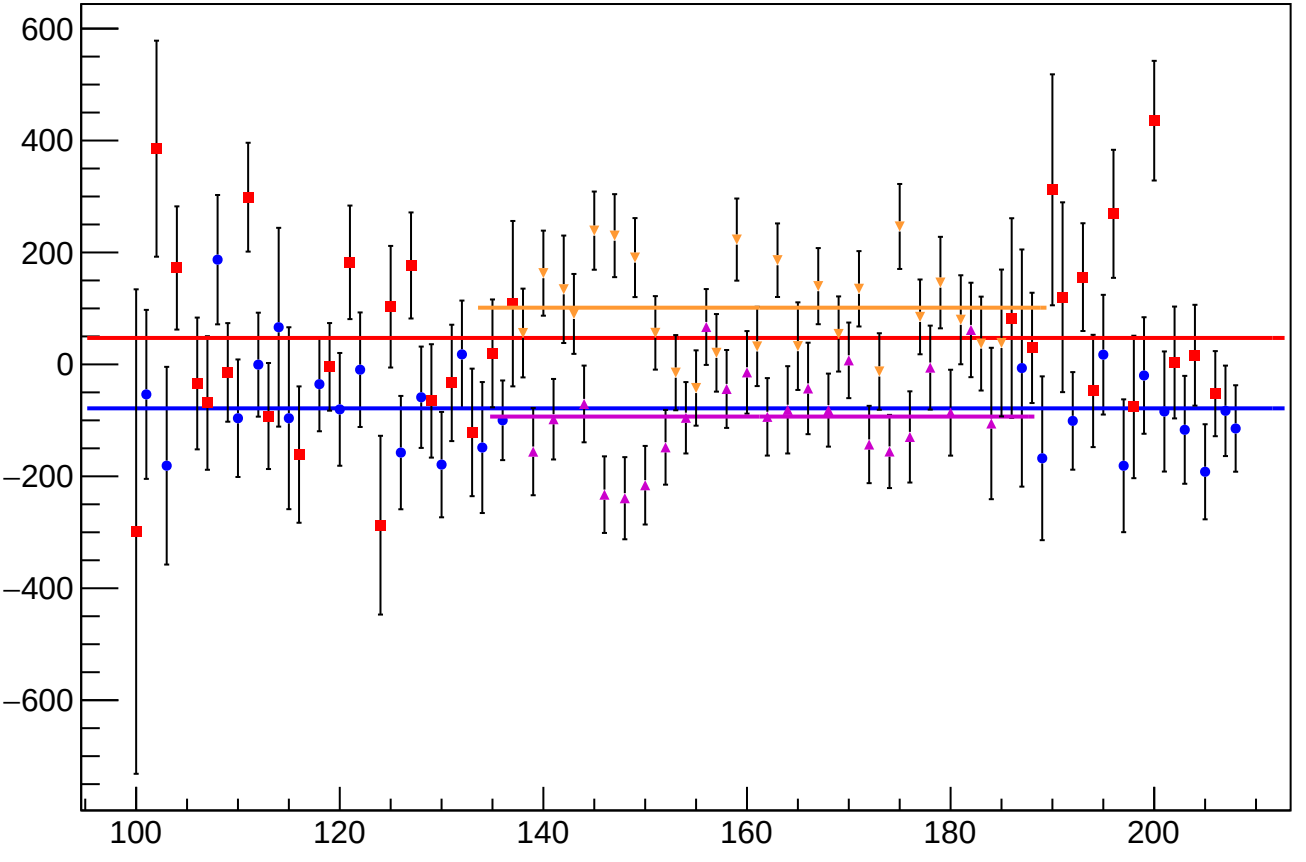
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12141094.0/51

All: 0.000+/-0.000 χ^2/NDF: 24844061.0/105

- sign 0.000+/-0.000 χ^2/NDF: 12598453.3/53

reg_asym_sam7_mean vs Slug



Right In: -78.523+/-19.695 χ^2/NDF: 15.6/26

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 47.253+/-19.580 χ^2/NDF: 55.7/30

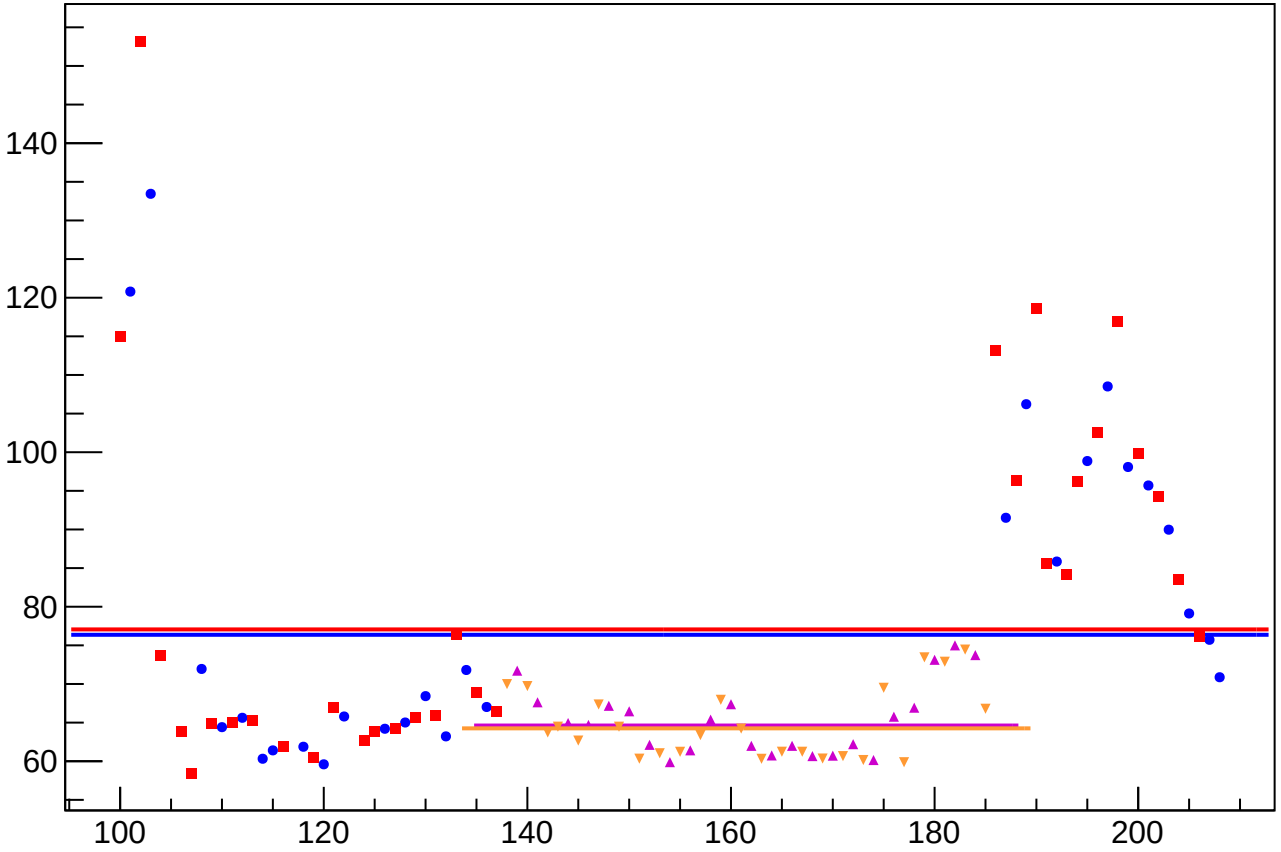
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 37.306+/-11.750 χ^2/NDF: 103.2/51

All: -0.948+/-8.387 χ^2/NDF: 241.6/105

- sign -40.682+/-11.975 χ^2/NDF: 116.7/53

reg_asym_sam7_rms vs Slug



Right In: 76.369+/-0.014 χ^2/NDF: 1312832.5/26

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.064+/-0.014 χ^2/NDF: 1582167.4/30

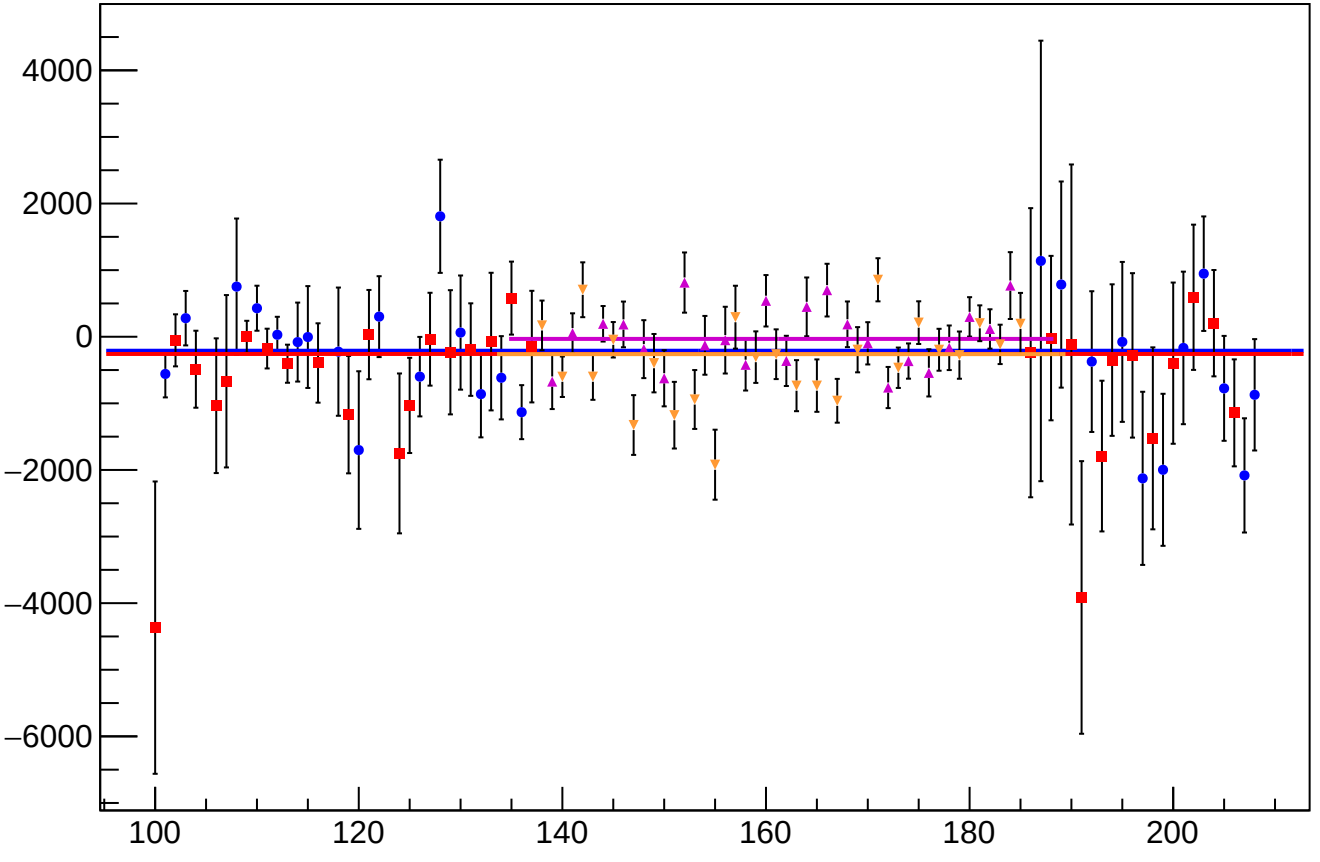
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.567+/-0.008 χ^2/NDF: 1977775.2/51

All: 68.915+/-0.006 χ^2/NDF: 4216252.3/105

- sign 69.276+/-0.008 χ^2/NDF: 2234911.5/53

asym_sam7_reg_correction_mean vs Slug



Right In: -210.101+/-116.992 χ^2/NDF: 35.8/26

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -258.487+/-111.306 χ^2/NDF: 20.7/30

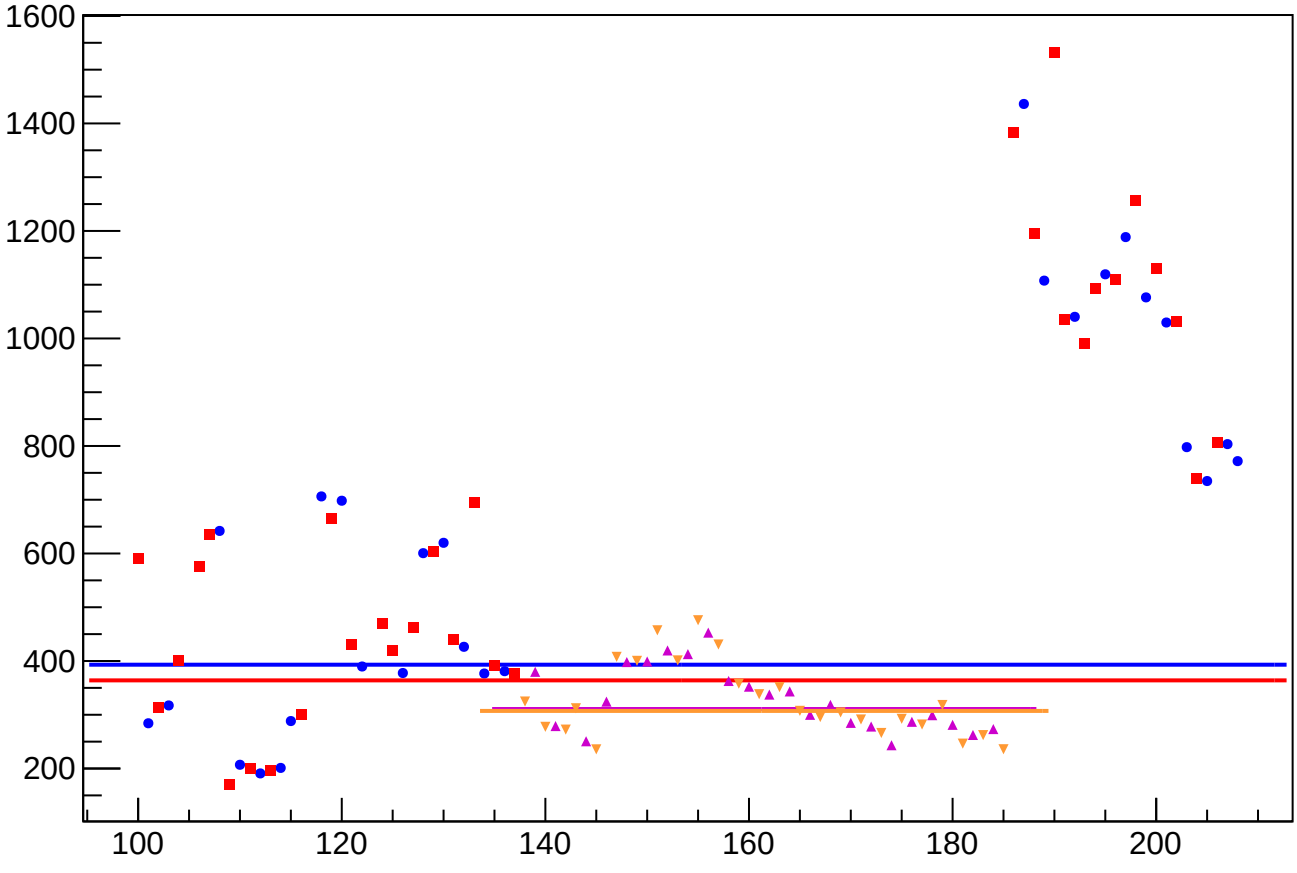
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -247.314+/-60.864 χ^2/NDF: 94.7/51

All: -175.202+/-43.271 χ^2/NDF: 152.9/105

- sign -101.505+/-61.530 χ^2/NDF: 55.3/53

asym_sam7_reg_correction_rms vs Slug



Right In: 393.123+/-0.083 χ^2/NDF: 8845876.5/26

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

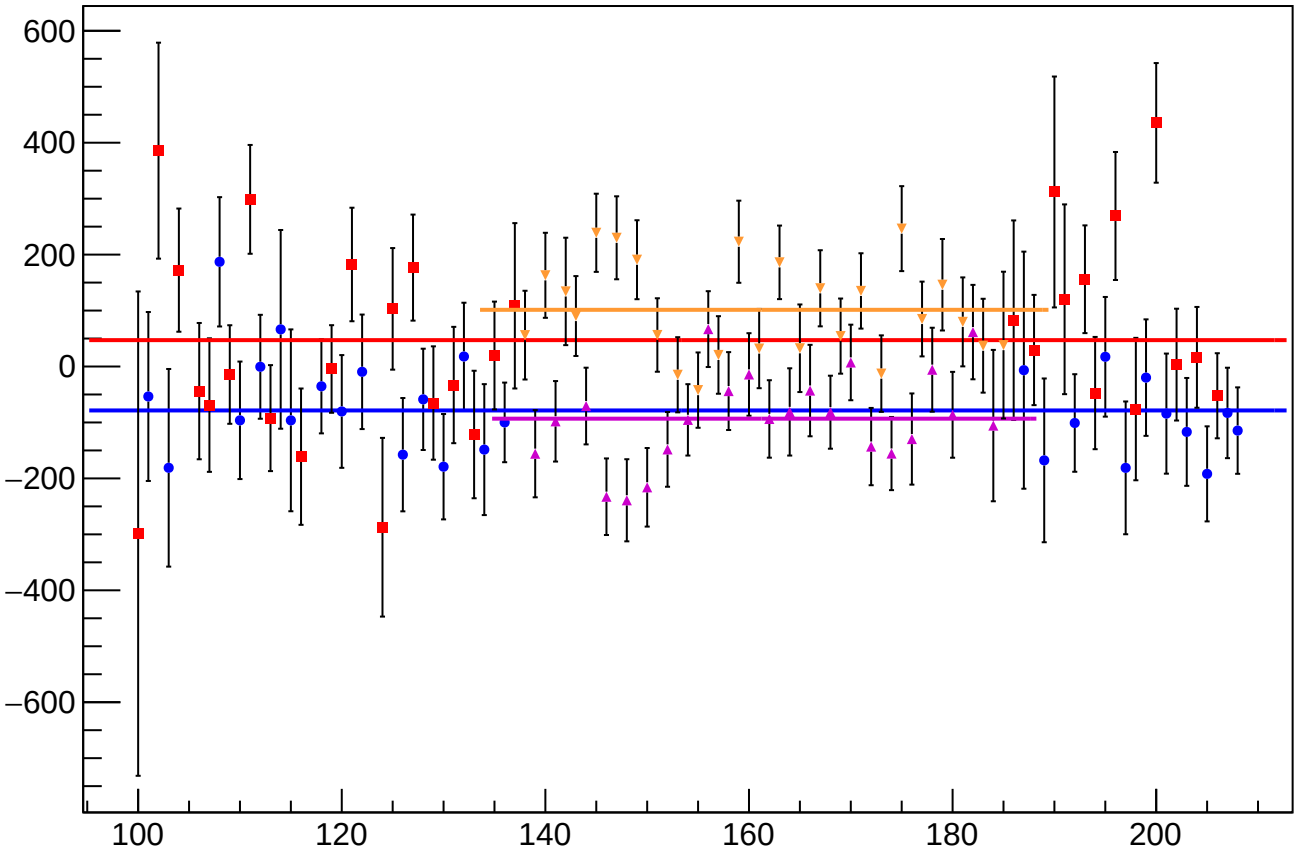
Right Out: 363.968+/-0.079 χ^2/NDF: 11096924.6/30

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 330.414+/-0.043 χ^2/NDF: 10953876.1/51

All: 328.714+/-0.031 χ^2/NDF: 23451553.1/10

- sign 326.976+/-0.044 χ^2/NDF: 12494521.7/53



Right In: -78.526+/-19.695 χ^2/NDF: 15.6/26

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 47.143+/-19.597 χ^2/NDF: 55.8/30

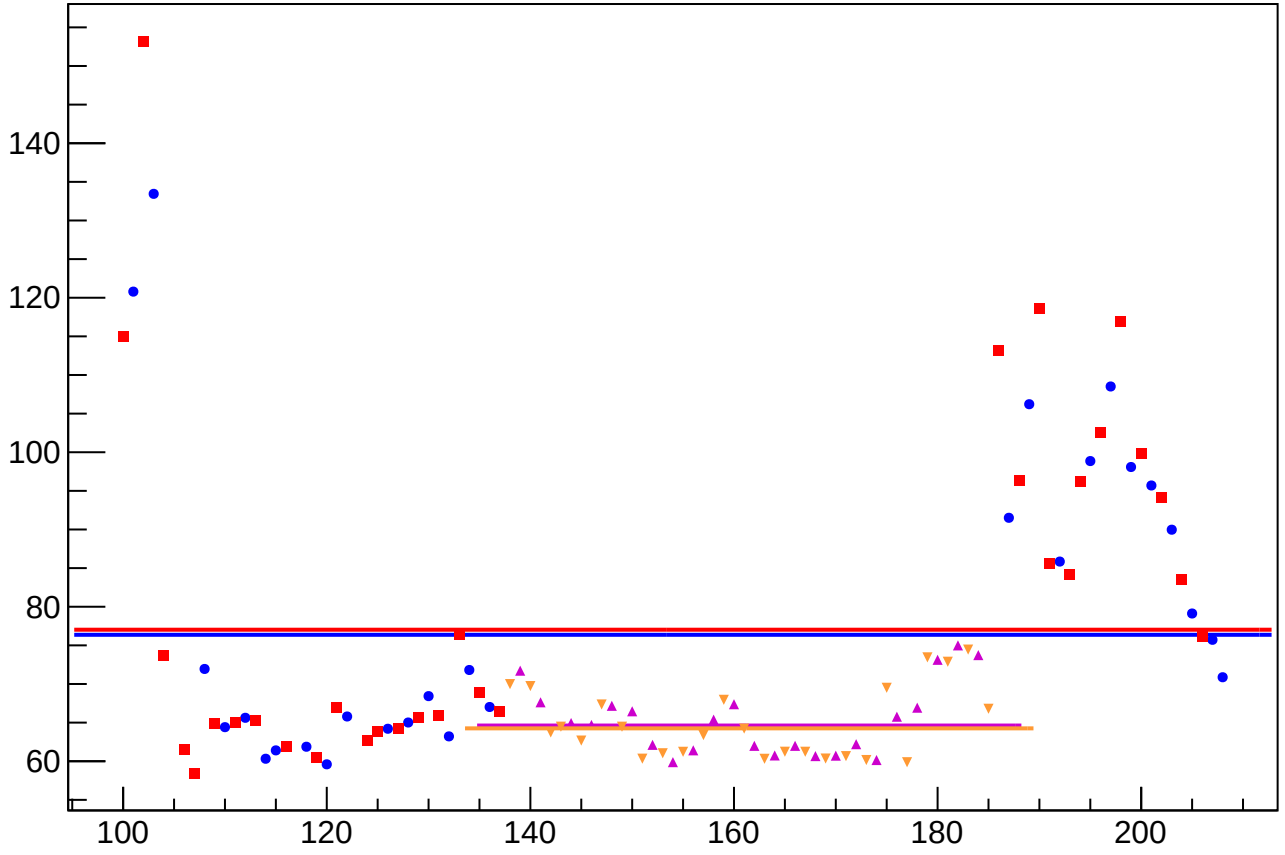
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 37.305+/-11.750 χ^2/NDF: 103.2/51

All: -0.985+/-8.389 χ^2/NDF: 241.6/105

- sign -40.782+/-11.979 χ^2/NDF: 116.7/53

cor_asym_sam7_rms vs Slug



Right In: 76.369+/-0.014 χ^2/NDF: 1312832.8/26

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.027+/-0.014 χ^2/NDF: 1589666.7/30

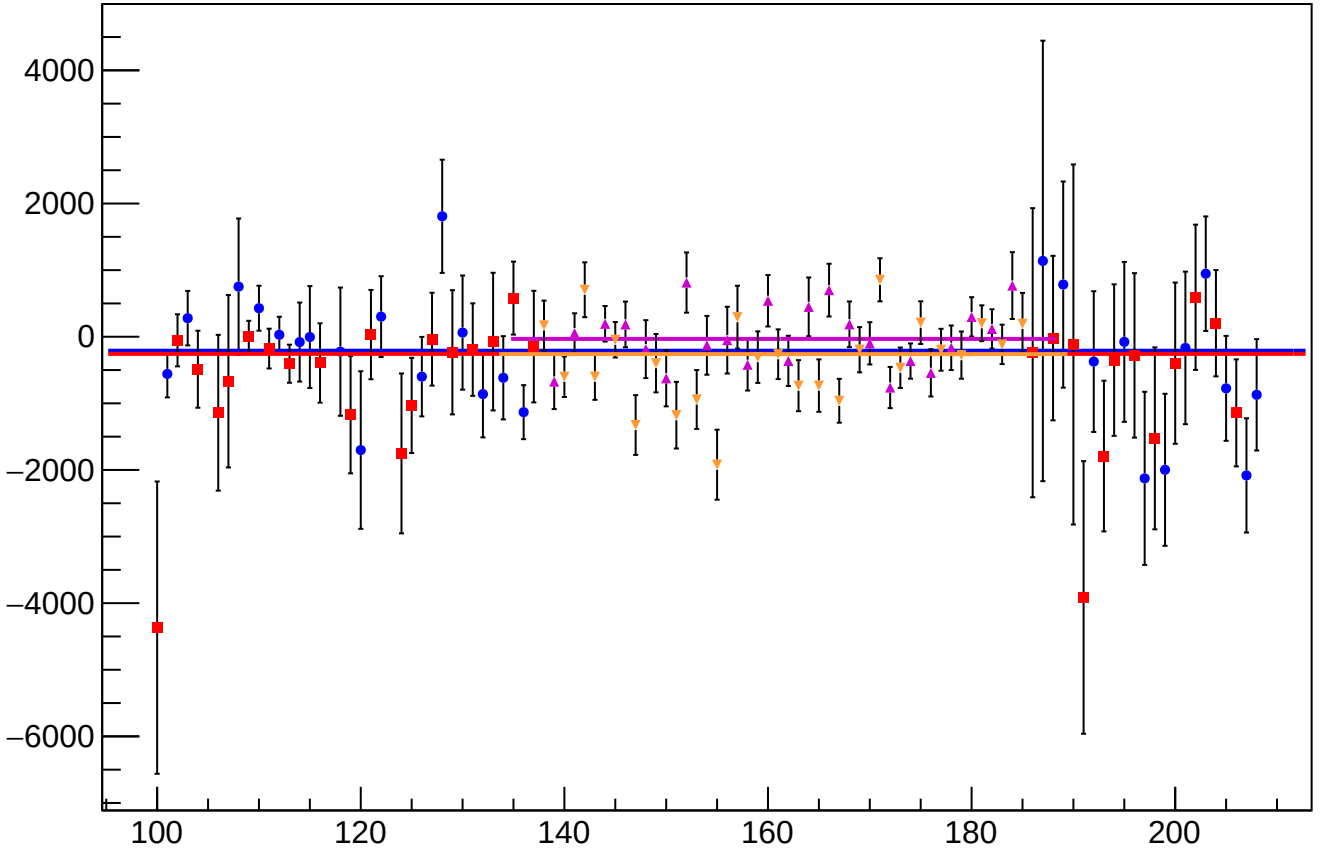
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.567+/-0.008 χ^2/NDF: 1977775.6/51

All: 68.905+/-0.006 χ^2/NDF: 4219971.7/105

- sign 69.257+/-0.008 χ^2/NDF: 2238822.3/53

asym_sam7_cor_correction_mean vs Slug



Right In: -210.098+/-116.993 χ^2/NDF: 35.8/26

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -257.079+/-111.480 χ^2/NDF: 20.7/30

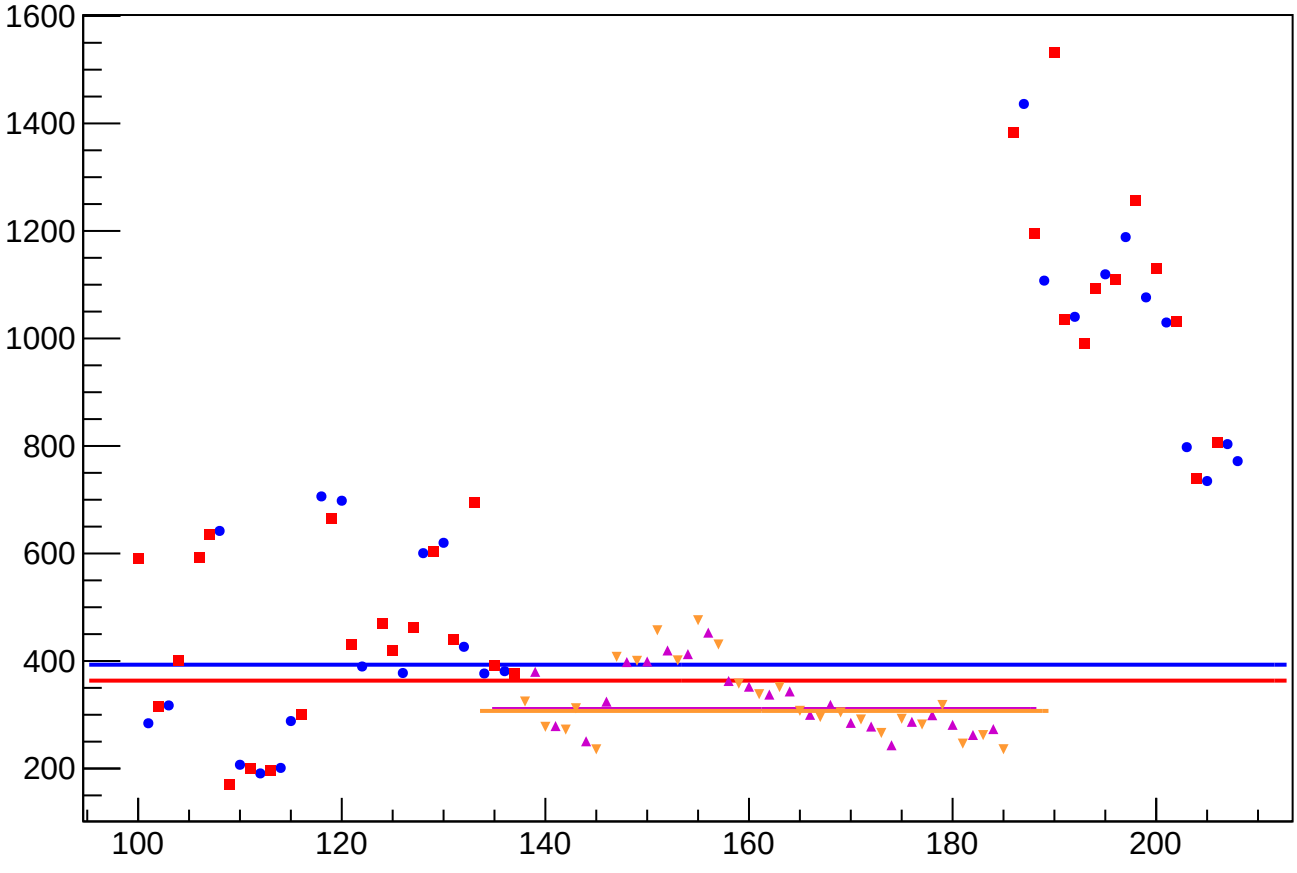
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -247.314+/-60.864 χ^2/NDF: 94.7/51

All: -174.949+/-43.281 χ^2/NDF: 152.9/105

- sign -100.923+/-61.559 χ^2/NDF: 55.3/53

asym_sam7_cor_correction_rms vs Slug



Right In: 393.125+/-0.083 χ^2/NDF: 8845828.0/26

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 363.499+/-0.079 χ^2/NDF: 11086190.4/30

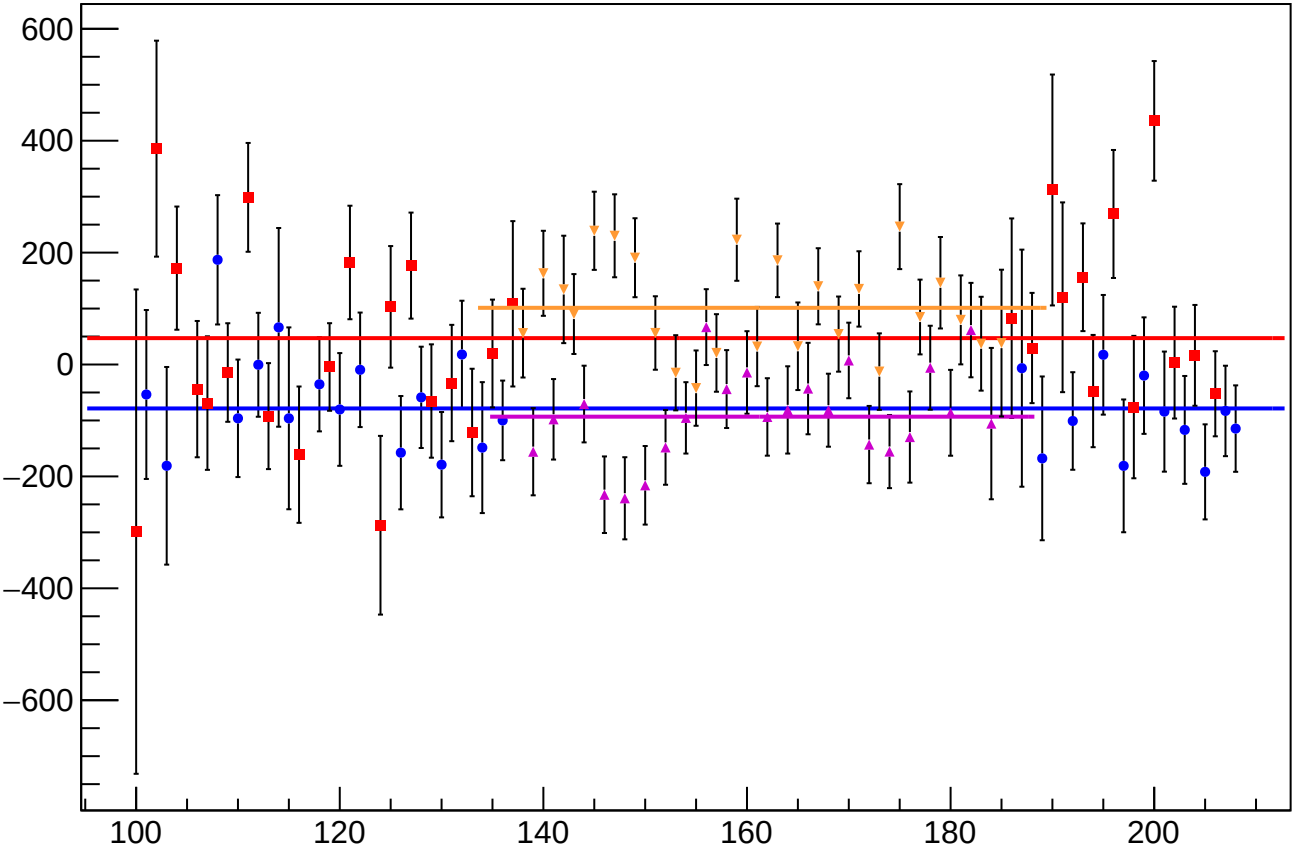
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

\+ sign 330.414+/-0.043 χ^2/NDF: 10953866.4/51

All: 328.627+/-0.031 χ^2/NDF: 23434890.4/10

\- sign 326.798+/-0.044 χ^2/NDF: 12477533.7/53

eigen_cor_asym_sam7_mean vs Slug



Right In: -78.526+/-19.695 χ^2/NDF: 15.6/26

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 47.143+/-19.597 χ^2/NDF: 55.8/30

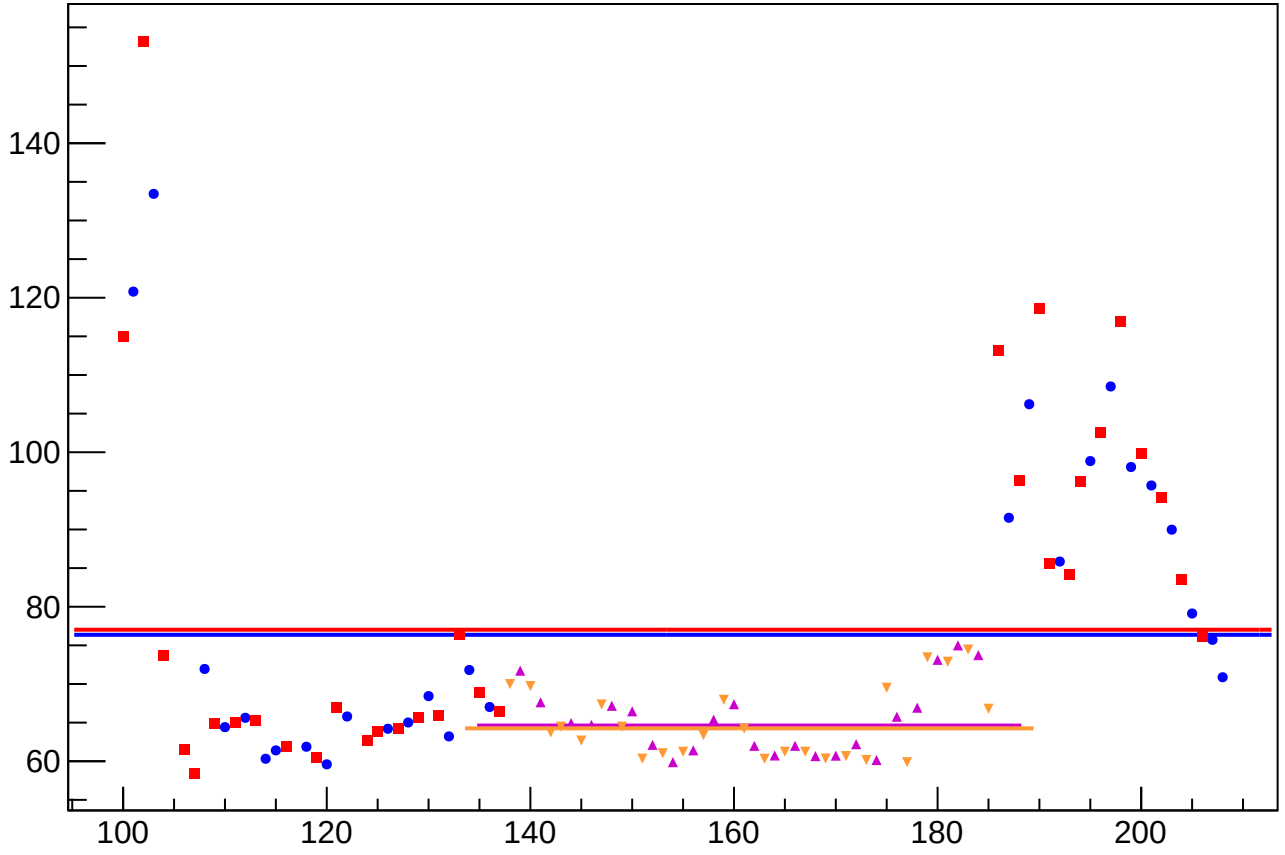
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 37.305+/-11.750 χ^2/NDF: 103.2/51

All: -0.985+/-8.389 χ^2/NDF: 241.6/105

- sign -40.782+/-11.979 χ^2/NDF: 116.7/53

eigen_cor_asym_sam7_rms vs Slug



Right In: 76.369+/-0.014 χ^2/NDF: 1312832.8/26

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

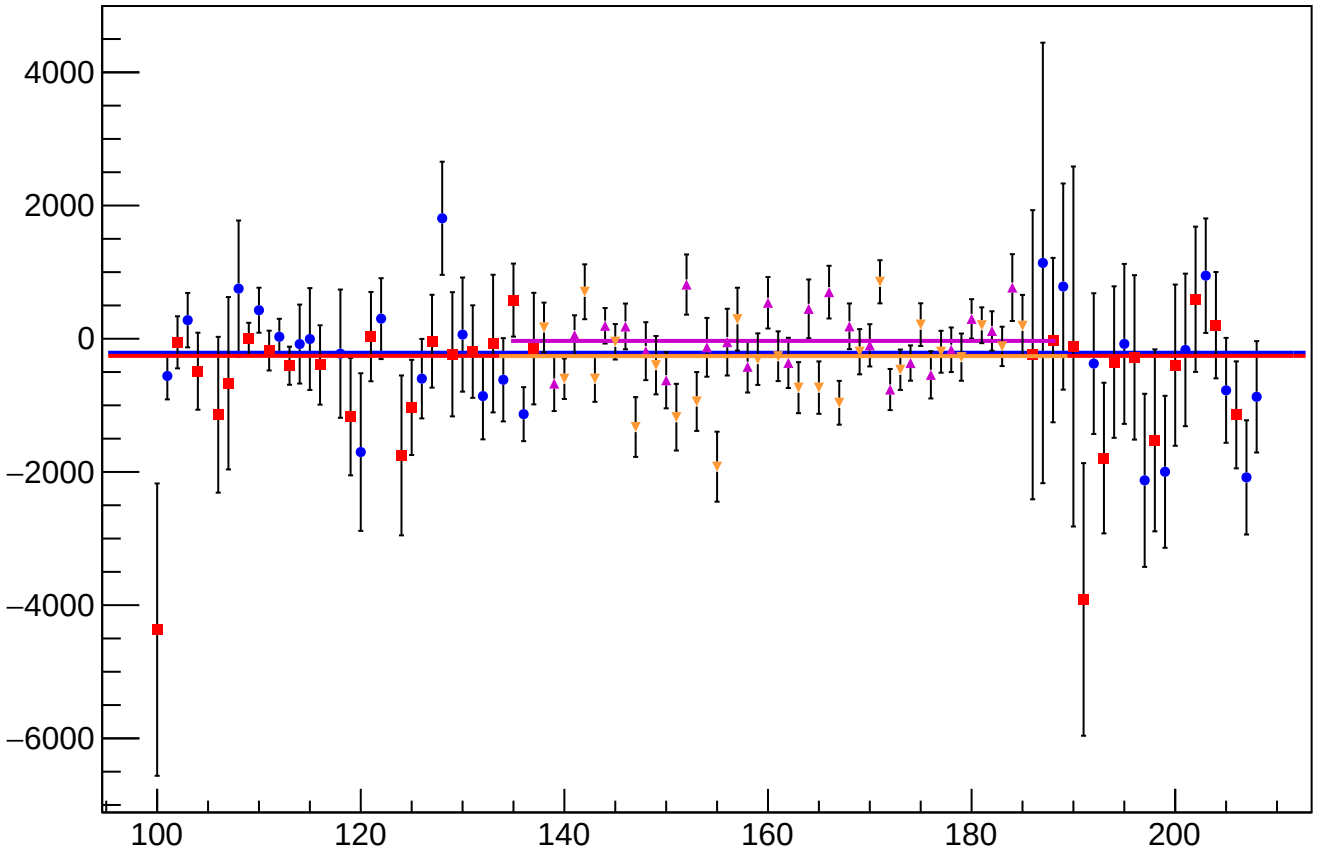
Right Out: 77.027+/-0.014 χ^2/NDF: 1589666.7/30

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.567+/-0.008 χ^2/NDF: 1977775.6/51

All: 68.905+/-0.006 χ^2/NDF: 4219971.7/105

- sign 69.257+/-0.008 χ^2/NDF: 2238822.3/53



Right In: -210.098+/-116.993 χ^2/NDF: 35.8/26

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -257.079+/-111.480 χ^2/NDF: 20.7/30

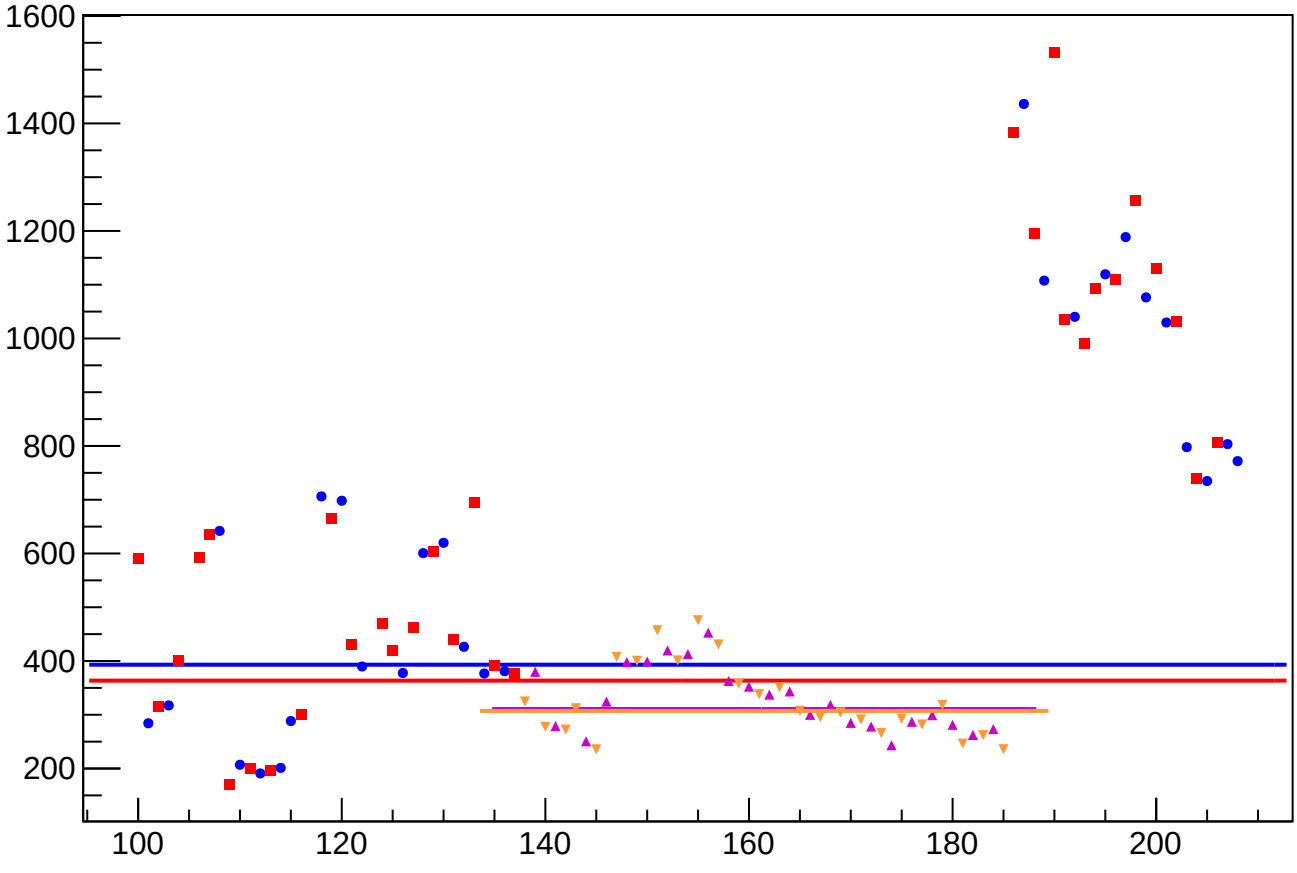
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -247.314+/-60.864 χ^2/NDF: 94.7/51

All: -174.949+/-43.281 χ^2/NDF: 152.9/105

- sign -100.923+/-61.559 χ^2/NDF: 55.3/53

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 393.125+/-0.083 χ^2/NDF: 8845828.0/26

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 363.499+/-0.079 χ^2/NDF: 11086190.4/30

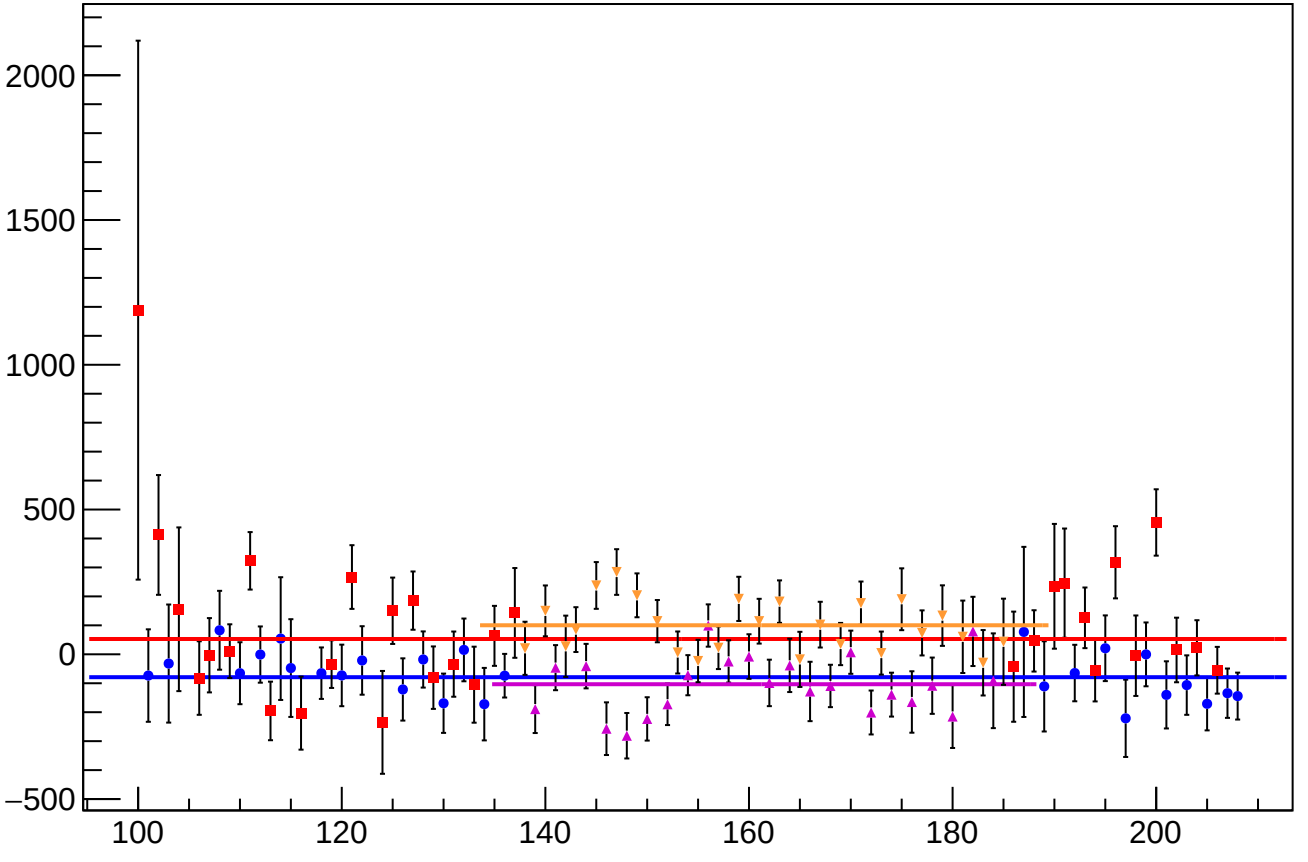
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 330.414+/-0.043 χ^2/NDF: 10953866.4/51

All: 328.627+/-0.031 χ^2/NDF: 23434890.4/10

- sign 326.798+/-0.044 χ^2/NDF: 12477533.7/53

dit_asym_sam7_mean vs Slug



Right In: -79.069+/-21.227 χ^2/NDF: 10.7/26

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 52.864+/-21.258 χ^2/NDF: 60.2/30

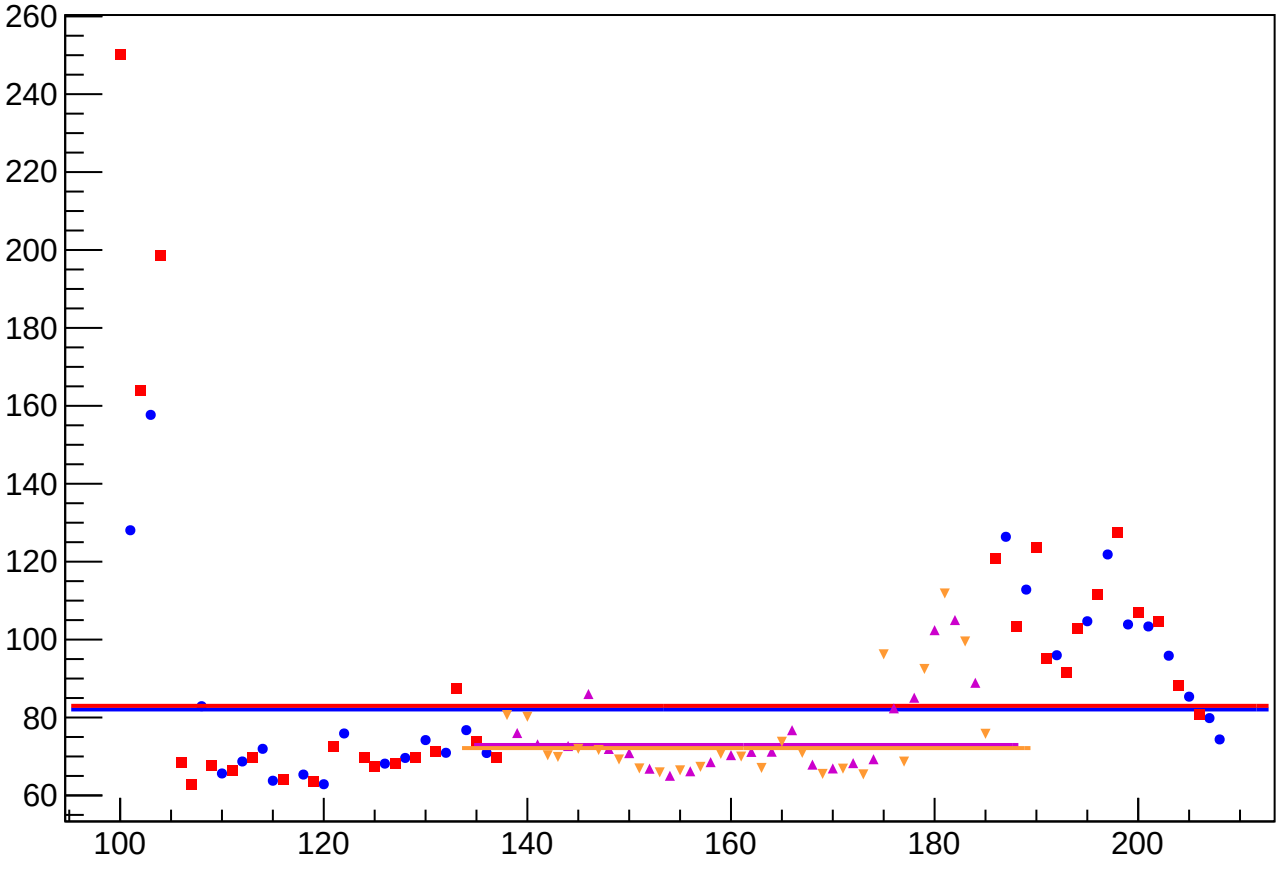
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 32.091+/-13.089 χ^2/NDF: 82.6/51

All: -3.738+/-9.363 χ^2/NDF: 223.4/105

- sign -41.291+/-13.400 χ^2/NDF: 125.4/53

dit_asym_sam7_rms vs Slug



Right In: 82.064+/-0.015 χ^2/NDF: 1467074.8/26

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 82.997+/-0.015 χ^2/NDF: 2072818.2/30

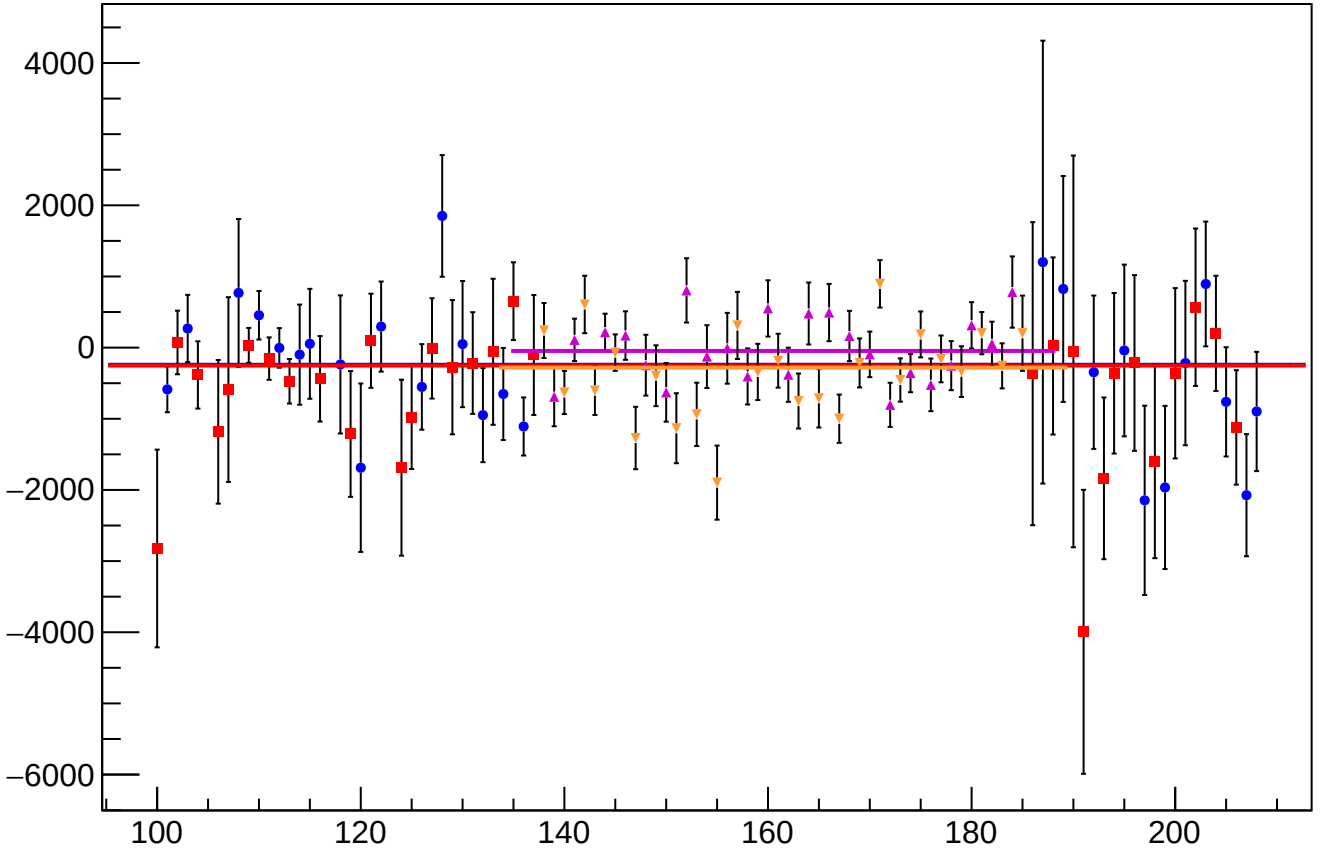
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 75.919+/-0.009 χ^2/NDF: 2379472.6/51

All: 76.418+/-0.007 χ^2/NDF: 5236600.7/105

- sign 76.941+/-0.009 χ^2/NDF: 2851177.9/53

asym_sam7_dit_correction_mean vs Slug



Right In: -241.030+/-119.079 χ^2/NDF: 35.3/26

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -252.187+/-113.304 χ^2/NDF: 22.3/30

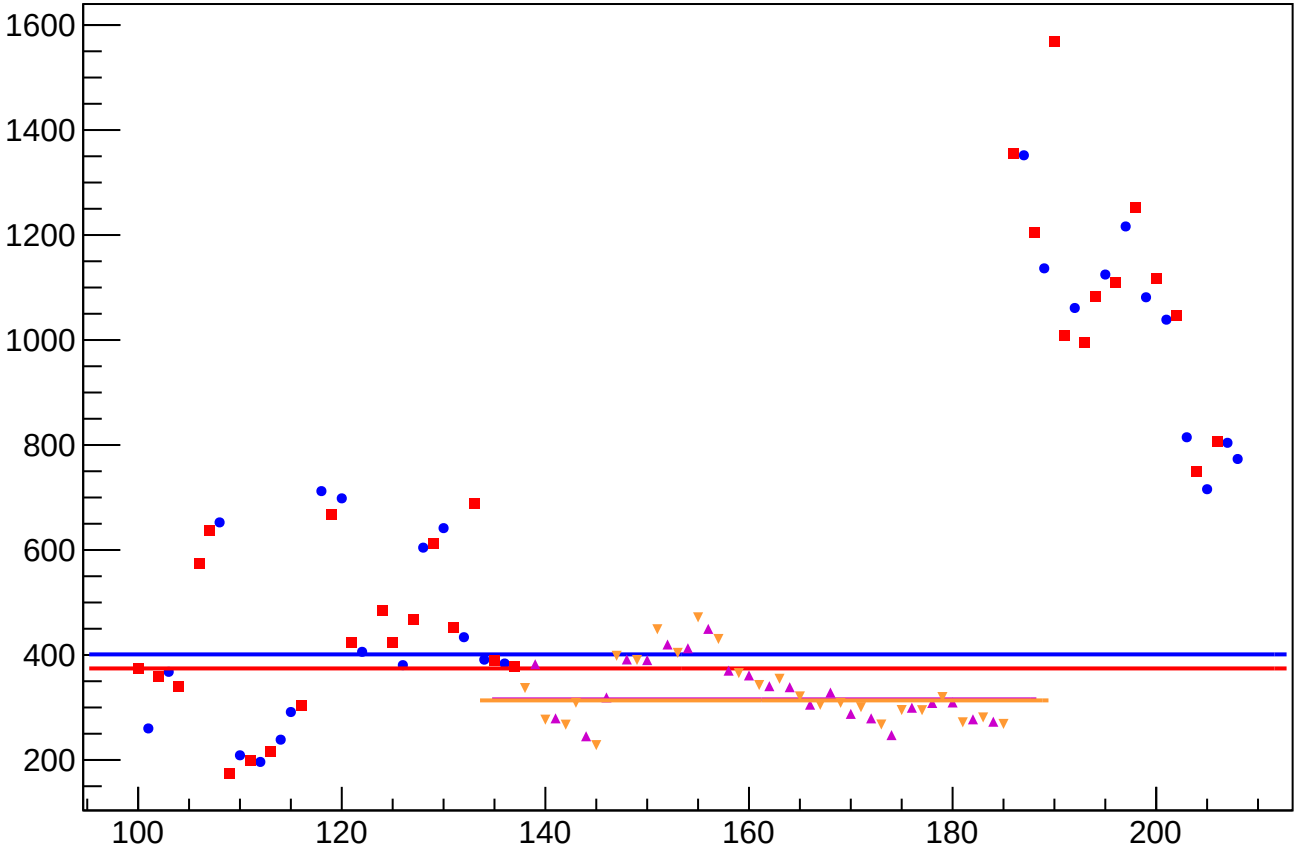
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -270.332+/-61.949 χ^2/NDF: 92.2/51

All: -190.402+/-43.991 χ^2/NDF: 150.9/105

- sign -109.094+/-62.480 χ^2/NDF: 55.3/53

asym_sam7_dit_correction_rms vs Slug



Right In: 401.141+/-0.084 χ^2/NDF: 8747099.9/26

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 374.376+/-0.080 χ^2/NDF: 10708471.8/30

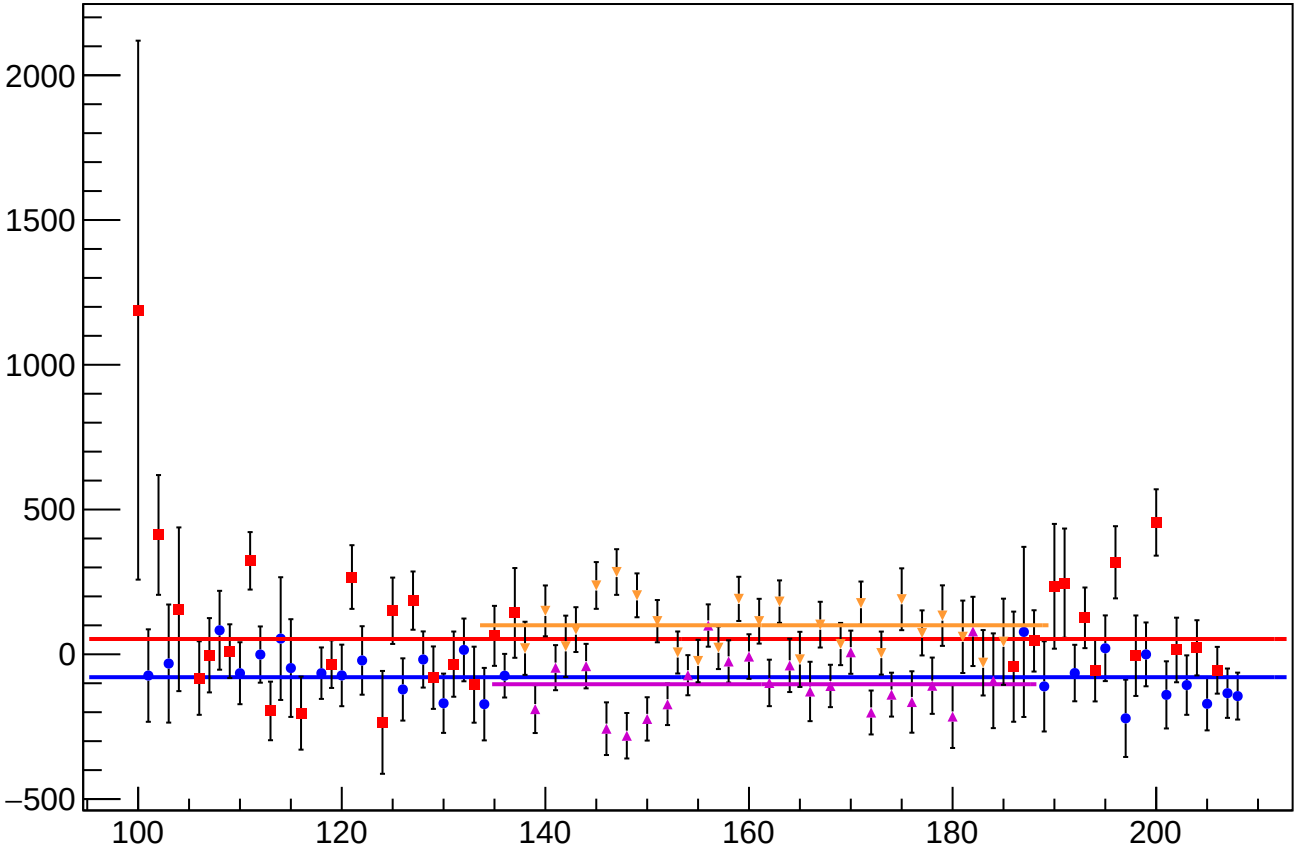
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 337.220+/-0.044 χ^2/NDF: 10712779.0/51

All: 335.312+/-0.031 χ^2/NDF: 22809977.1/10

- sign 333.372+/-0.044 χ^2/NDF: 12093373.8/53

eigen_dit_asym_sam7_mean vs Slug



Right In: -79.068+/-21.227 χ^2/NDF: 10.7/26

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 52.864+/-21.258 χ^2/NDF: 60.2/30

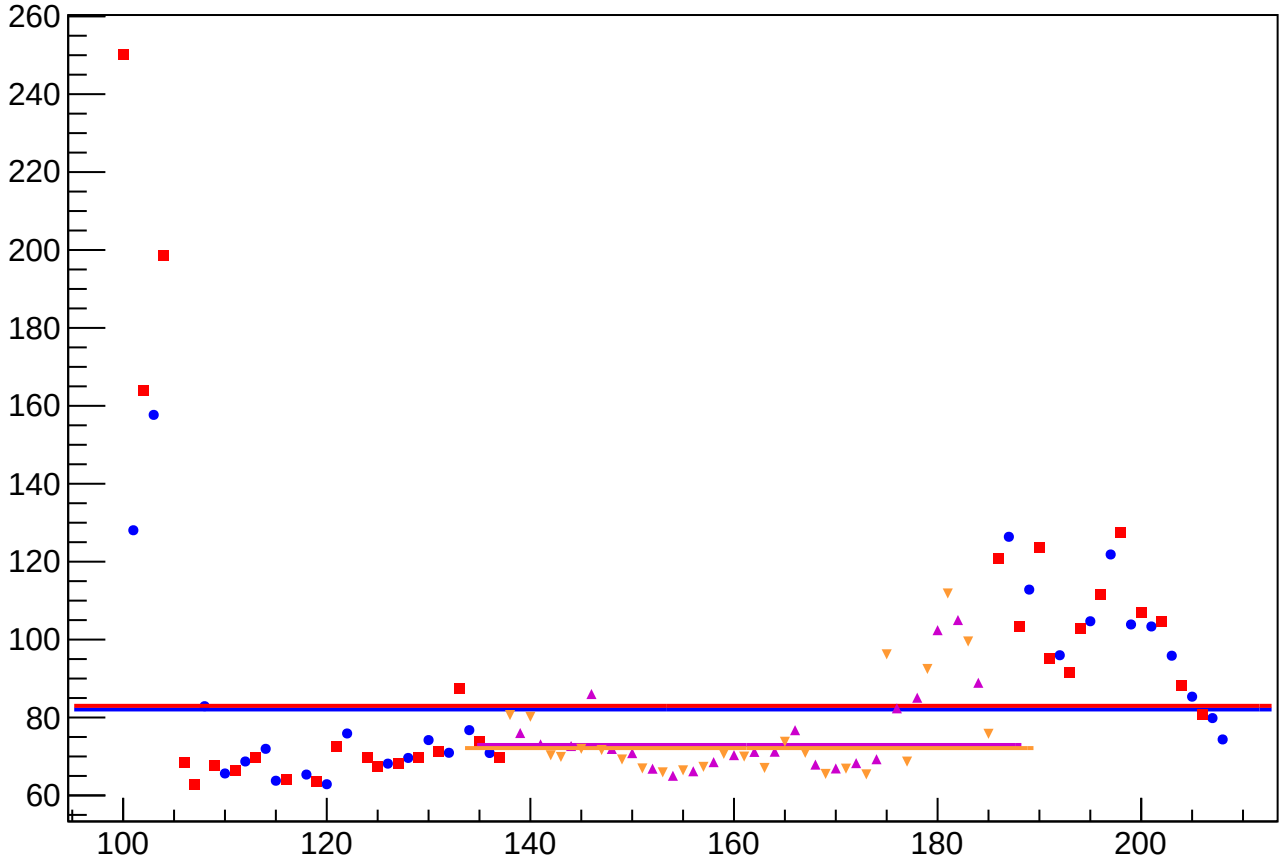
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 32.091+/-13.089 χ^2/NDF: 82.6/51

All: -3.738+/-9.363 χ^2/NDF: 223.4/105

- sign -41.290+/-13.400 χ^2/NDF: 125.4/53

eigen_dit_asym_sam7_rms vs Slug



Right In: 82.064+/-0.015 χ^2/NDF: 1467082.8/26

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 82.997+/-0.015 χ^2/NDF: 2072819.9/30

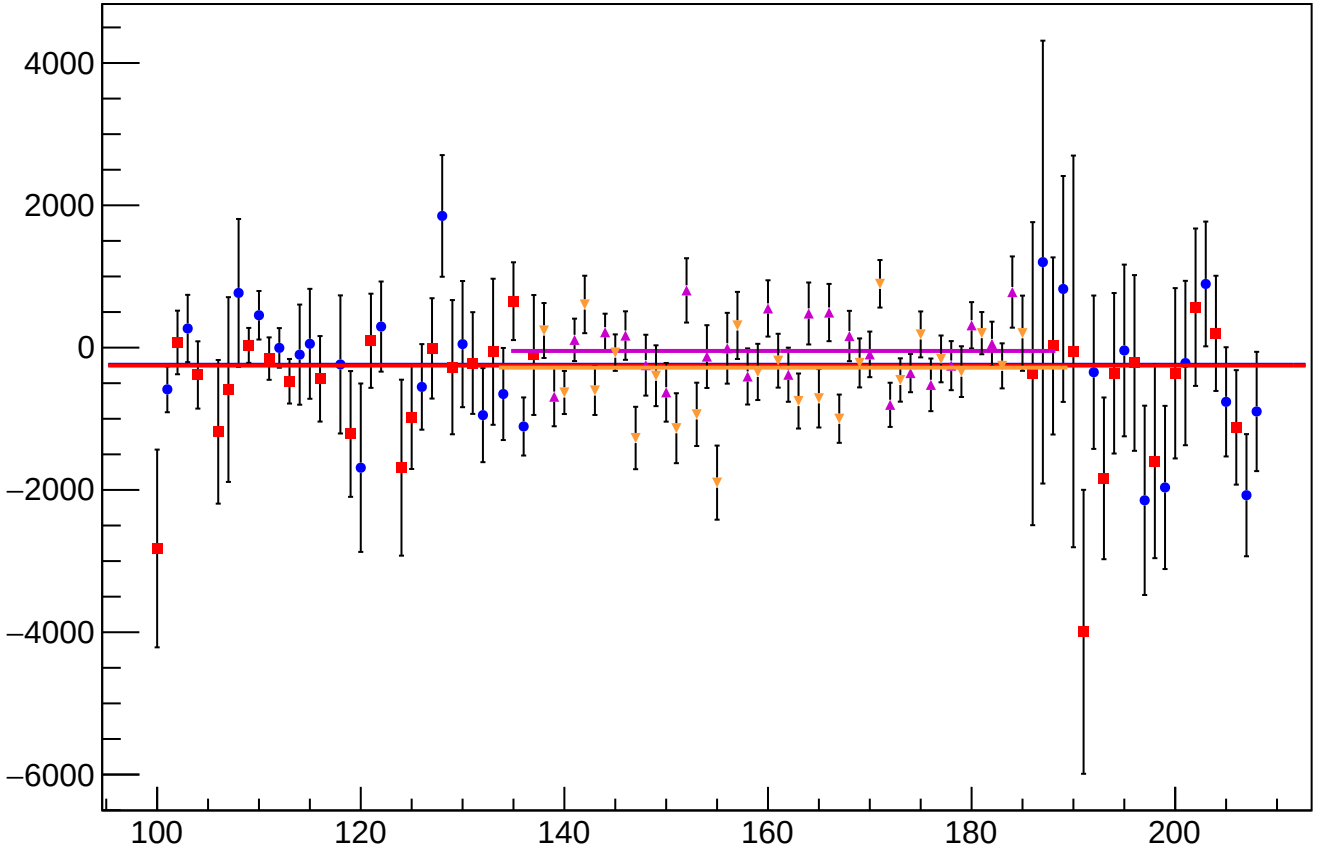
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 75.919+/-0.009 χ^2/NDF: 2379472.0/51

All: 76.418+/-0.007 χ^2/NDF: 5236596.1/105

- sign 76.941+/-0.009 χ^2/NDF: 2851173.8/53

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -241.027+/-119.078 χ^2/NDF: 35.3/26

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -252.186+/-113.304 χ^2/NDF: 22.3/30

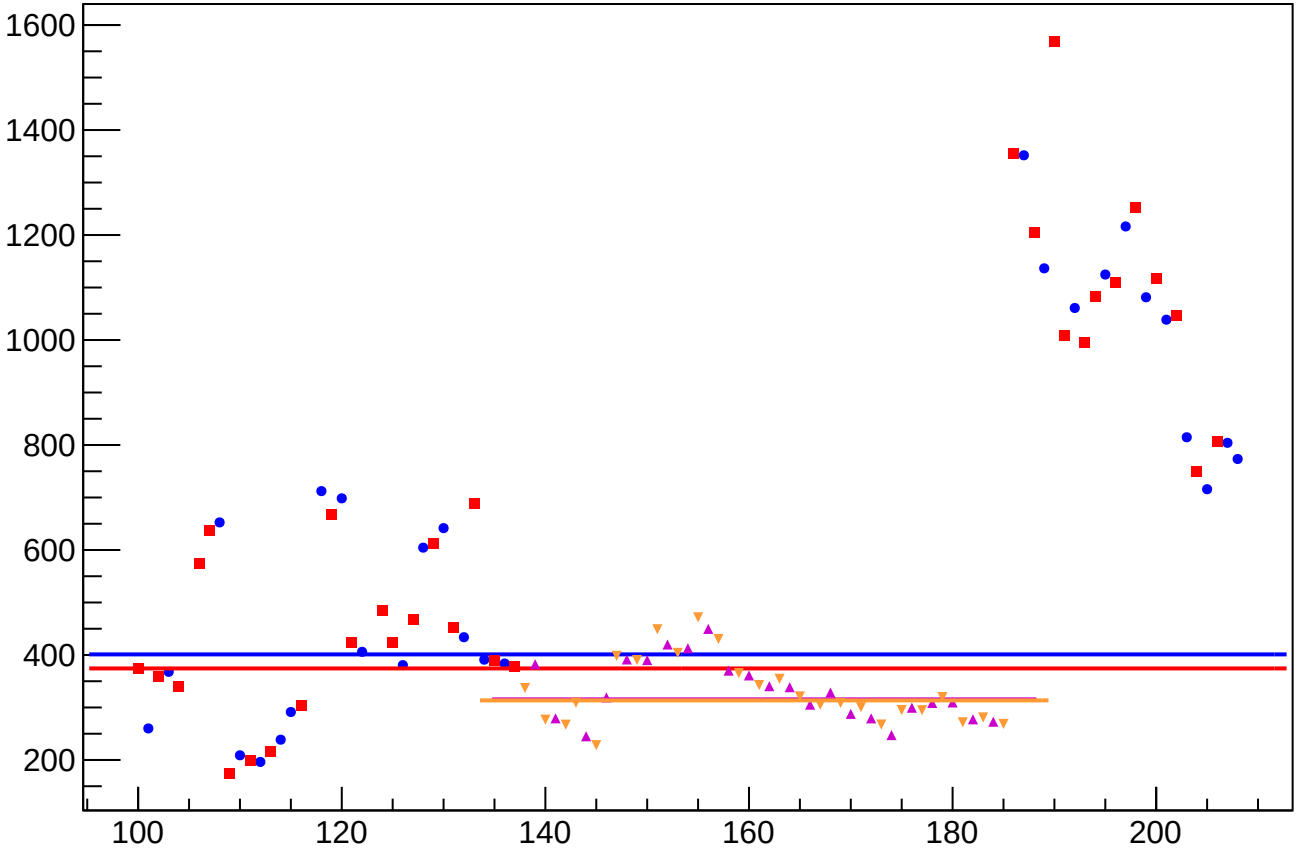
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -270.331+/-61.949 χ^2/NDF: 92.2/51

All: -190.401+/-43.991 χ^2/NDF: 150.9/105

- sign -109.094+/-62.480 χ^2/NDF: 55.3/53

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 401.138+/-0.084 χ^2/NDF: 8747189.7/26

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 374.374+/-0.080 χ^2/NDF: 10708518.5/30

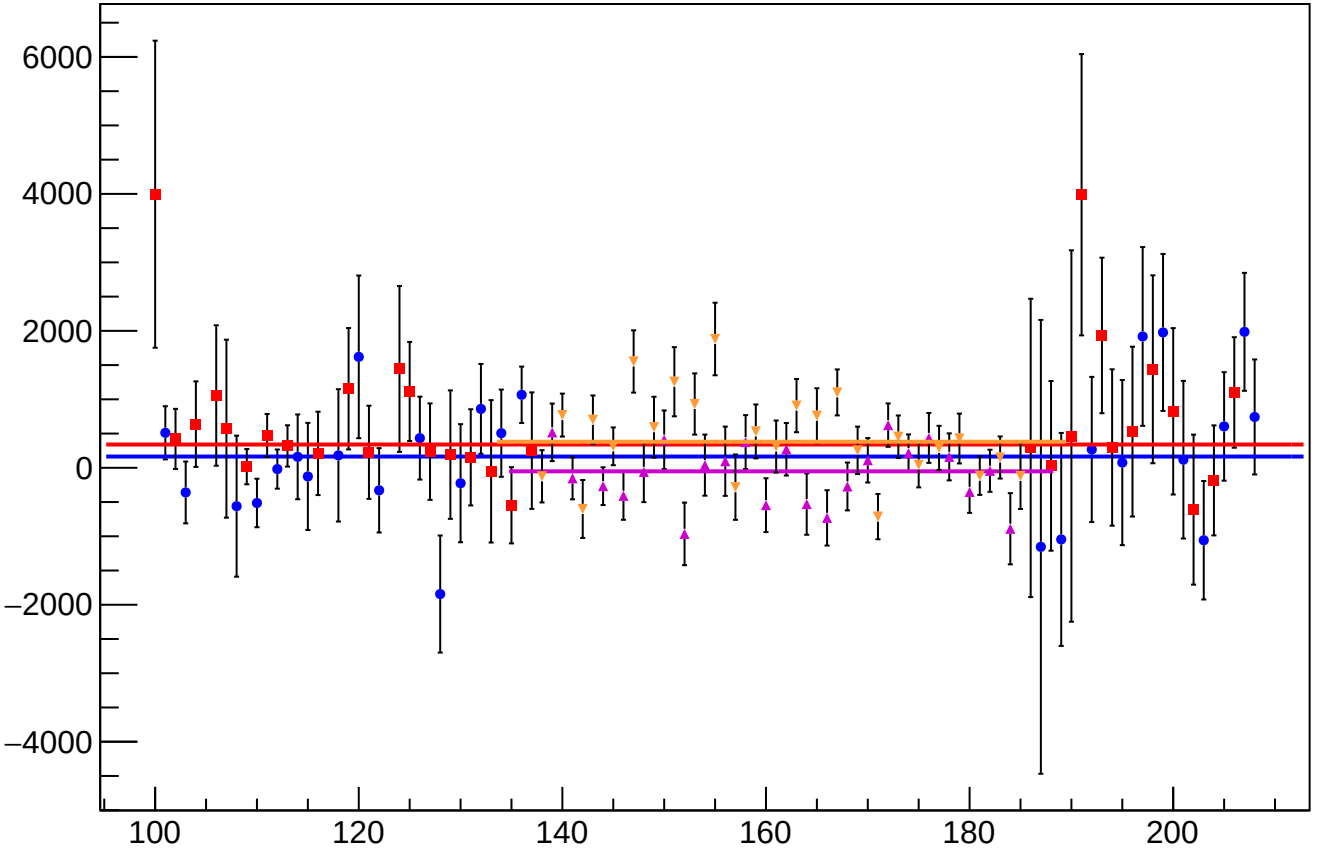
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 337.219+/-0.044 χ^2/NDF: 10712825.5/51

All: 335.312+/-0.031 χ^2/NDF: 22810042.6/10

- sign 333.372+/-0.044 χ^2/NDF: 12093393.3/53

asym_sam7_mean vs Slug



Right In: 164.609+/-121.866 χ^2/NDF: 33.4/26

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 340.150+/-116.501 χ^2/NDF: 19.0/30

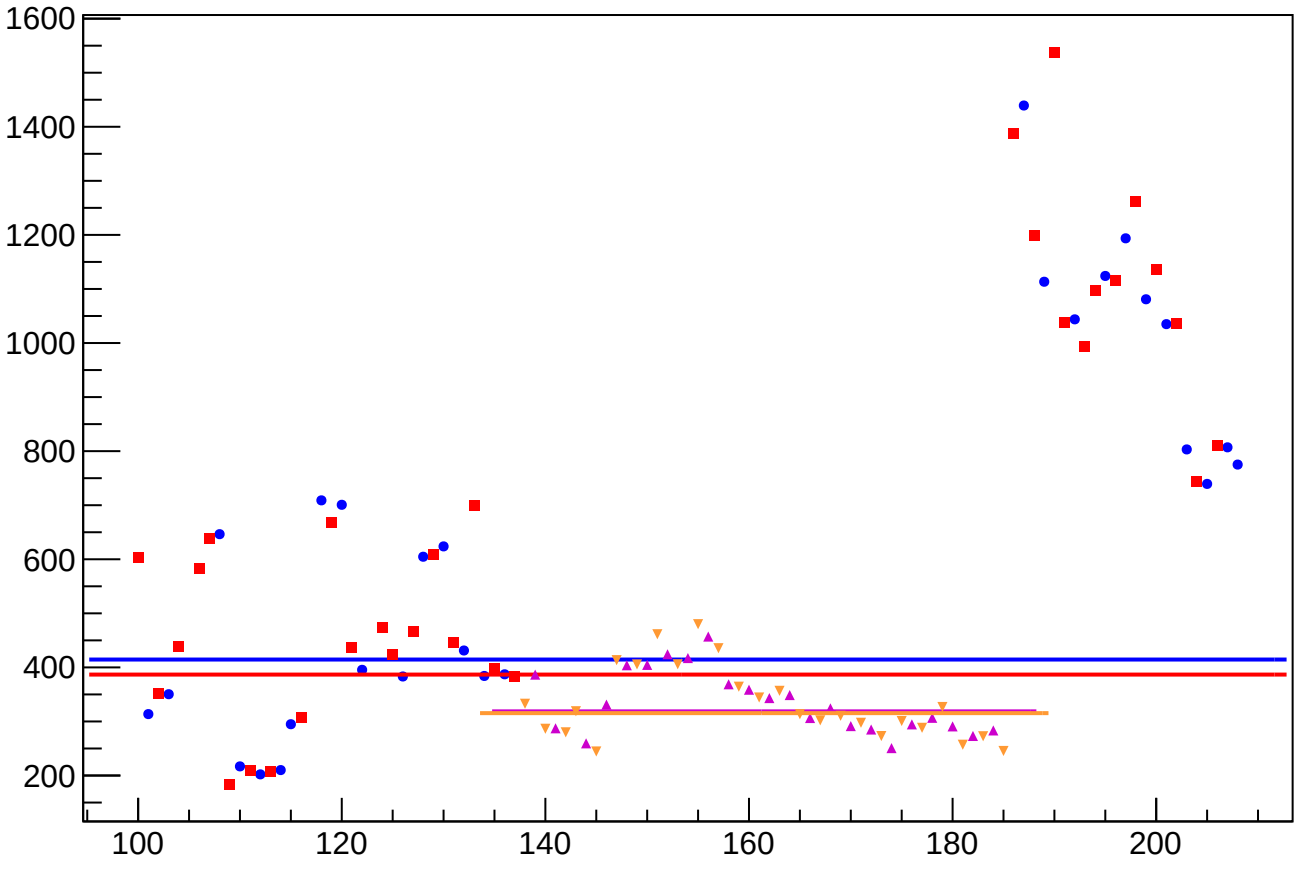
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 323.516+/-62.660 χ^2/NDF: 91.2/51

All: 195.667+/-44.579 χ^2/NDF: 154.7/105

- sign 64.635+/-63.435 χ^2/NDF: 55.1/53

asym_sam7_rms vs Slug



Right In: 414.545+/-0.086 χ^2/NDF: 8294072.1/26

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 386.721+/-0.082 χ^2/NDF: 10478594.2/30

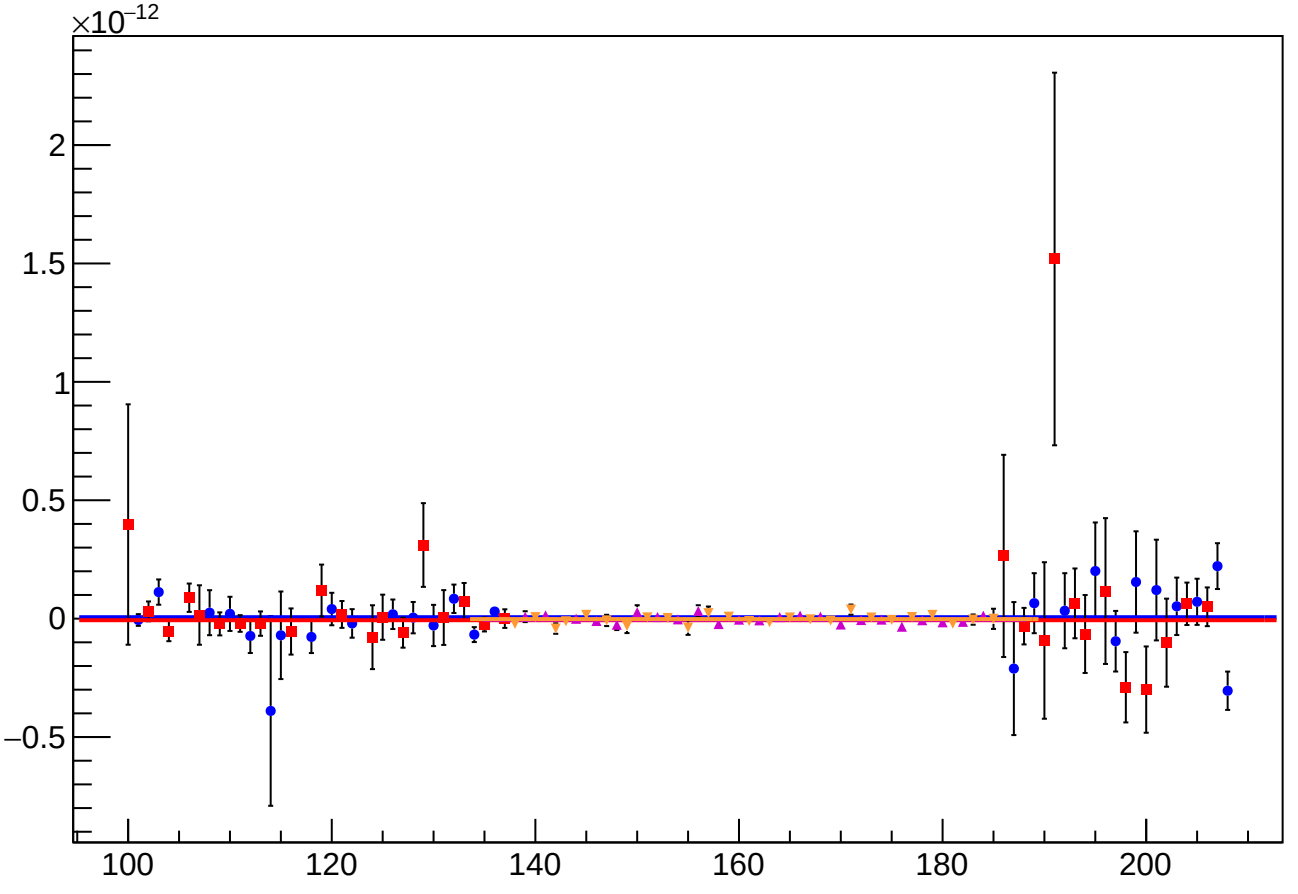
Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 341.608+/-0.044 χ^2/NDF: 10478049.9/51

All: 340.250+/-0.032 χ^2/NDF: 22429968.8/10

- sign 338.859+/-0.045 χ^2/NDF: 11950017.7/53

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 41.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

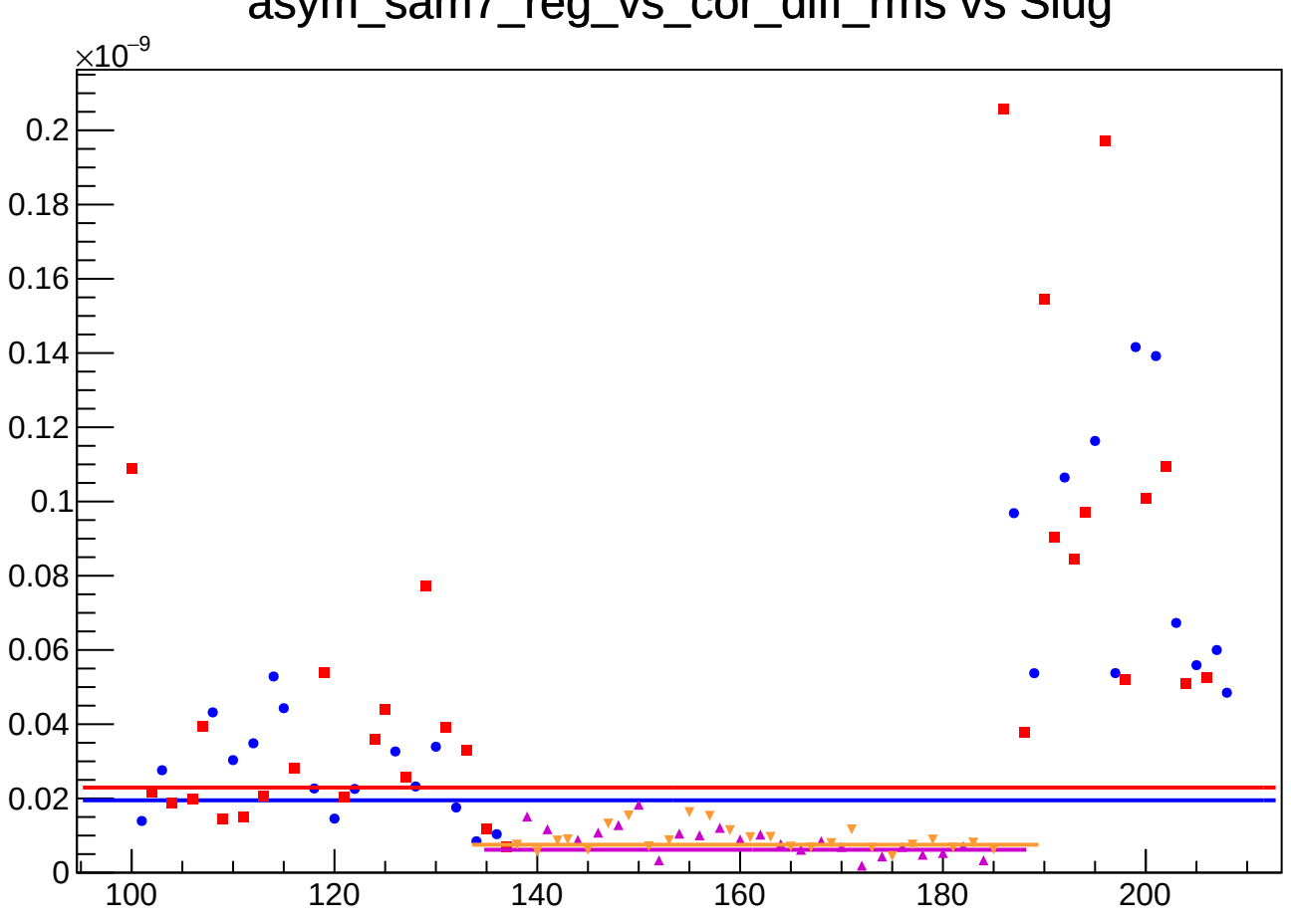
Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/30

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.7/51

All: -0.000+/-0.000 χ^2/NDF: 104.3/105

- sign -0.000+/-0.000 χ^2/NDF: 42.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 5380973.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4954900.6/30

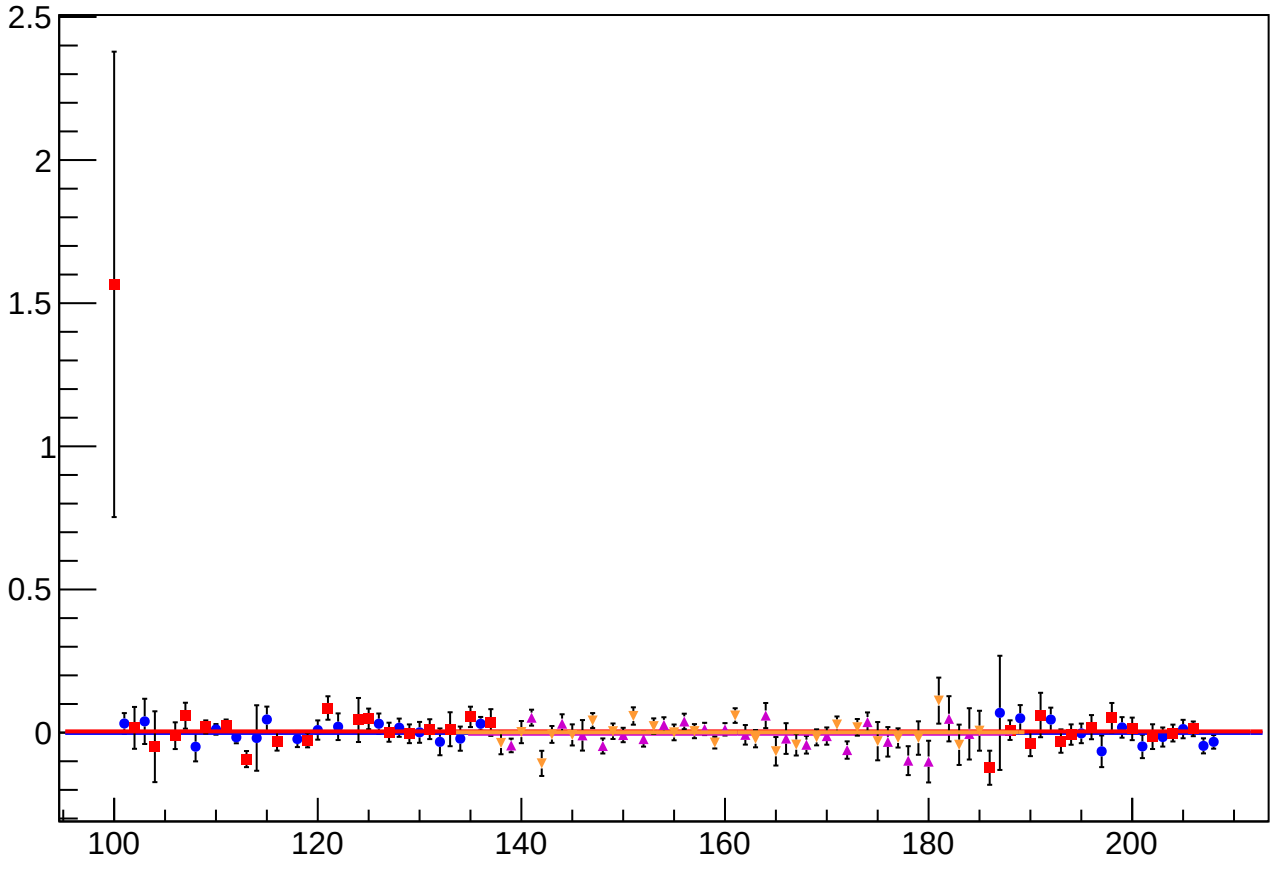
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8951346.4/51

All: 0.000+/-0.000 χ^2/NDF: 20481356.4/105

- sign 0.000+/-0.000 χ^2/NDF: 11306831.2/53

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.006 χ^2/NDF: 19.1/26

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.3/30

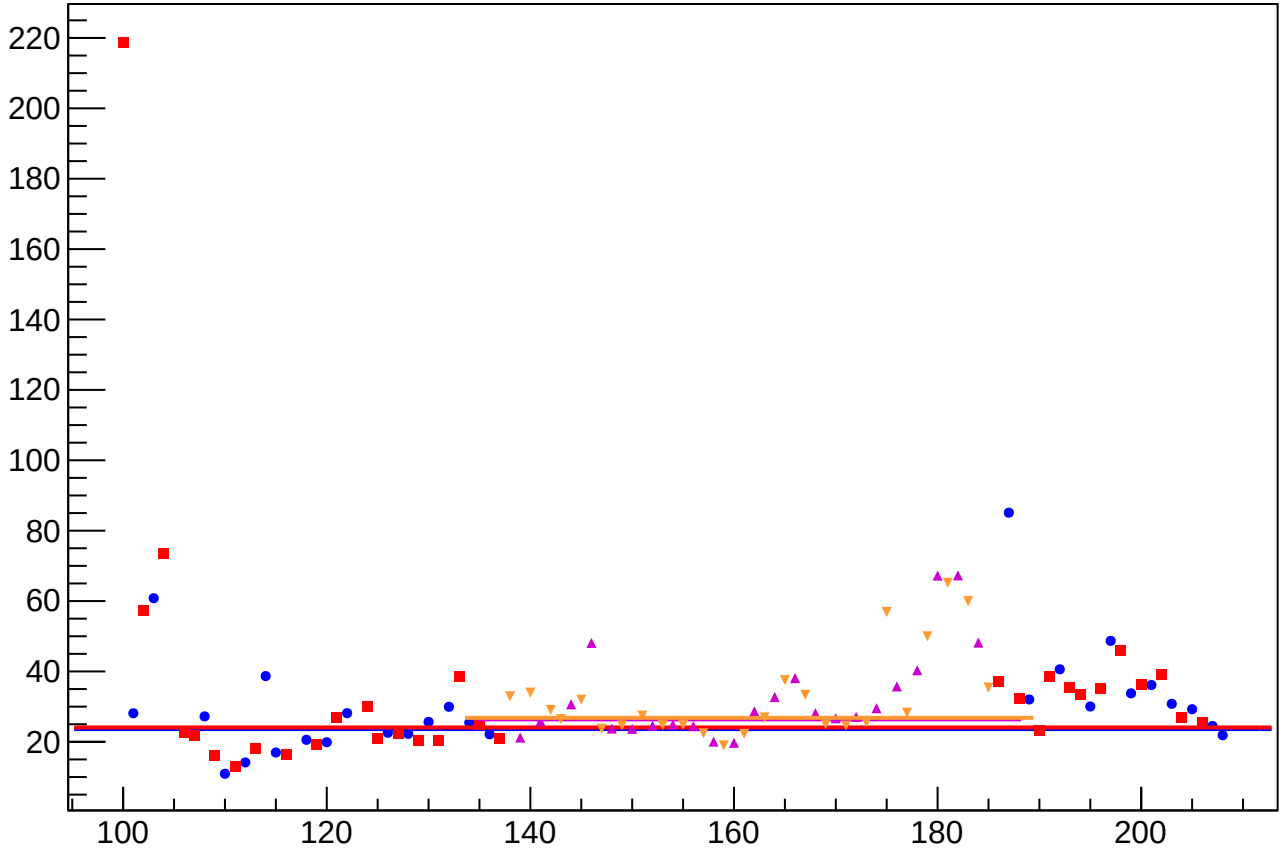
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.000+/-0.005 χ^2/NDF: 49.5/51

All: 0.000+/-0.003 χ^2/NDF: 119.6/105

- sign 0.000+/-0.005 χ^2/NDF: 70.2/53

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 23.627+/-0.005 χ^2/NDF: 3618573.0/26

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 24.087+/-0.005 χ^2/NDF: 3777499.7/30

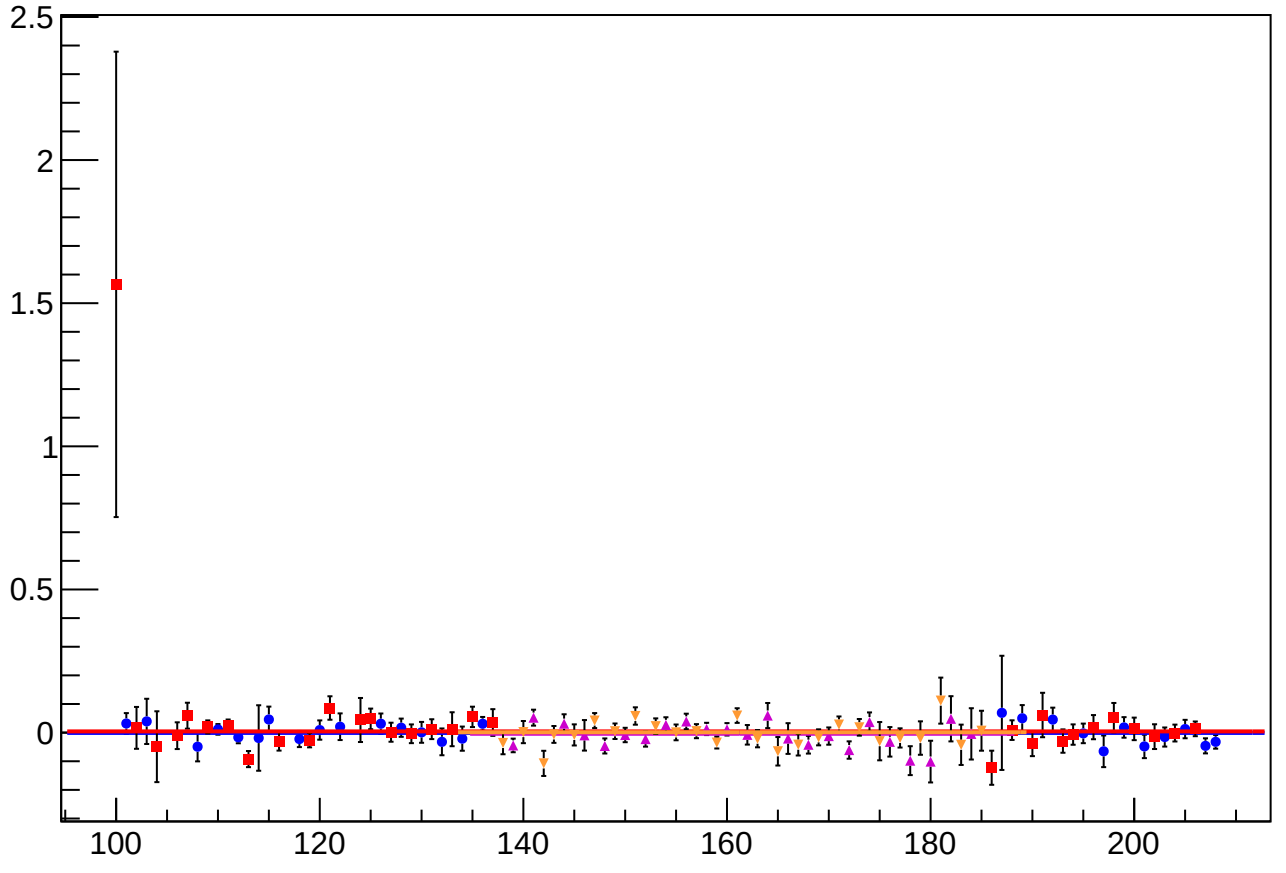
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 25.225+/-0.003 χ^2/NDF: 6329901.2/51

All: 25.224+/-0.002 χ^2/NDF: 12794867.5/105

- sign 25.223+/-0.003 χ^2/NDF: 6464966.1/53

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.006 χ^2/NDF: 19.1/26

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.3/30

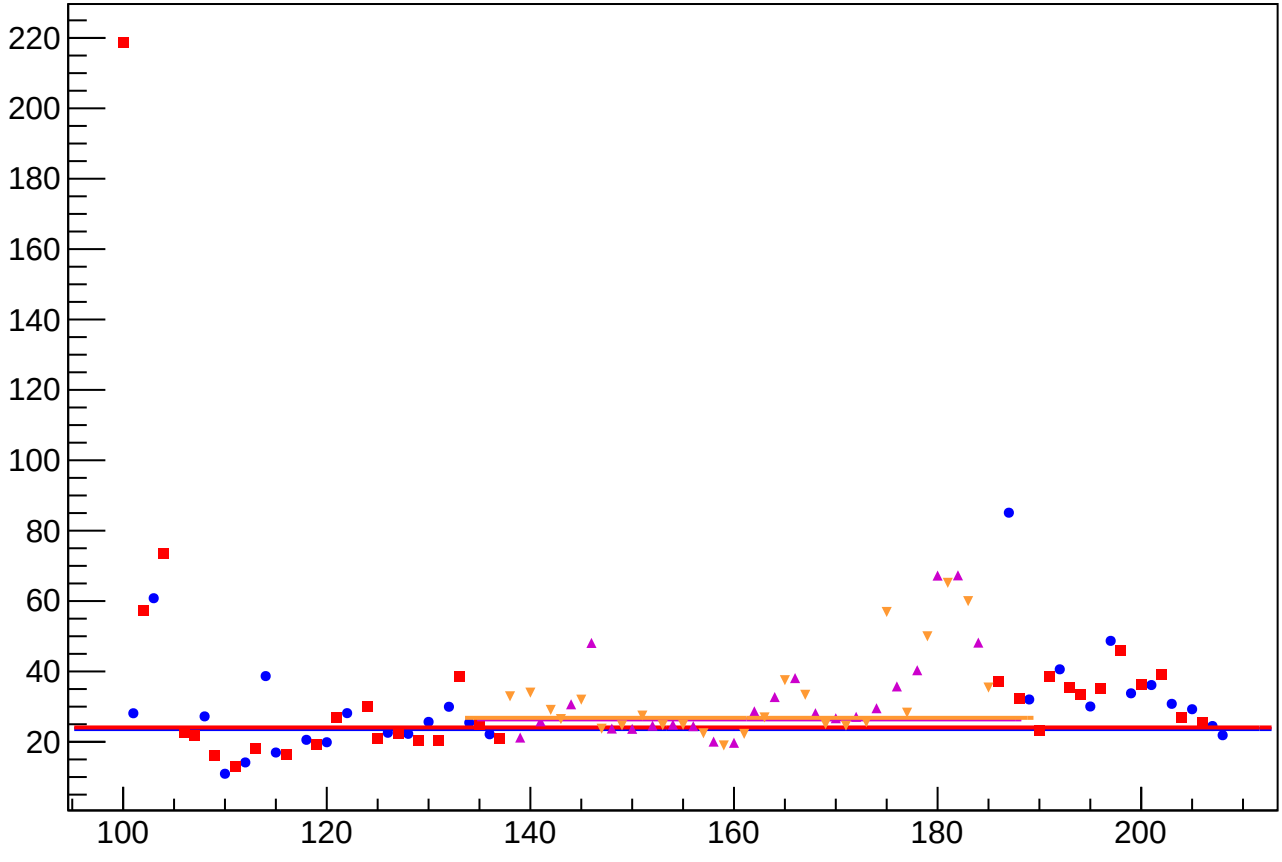
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.000+/-0.005 χ^2/NDF: 49.5/51

All: 0.000+/-0.003 χ^2/NDF: 119.6/105

- sign 0.000+/-0.005 χ^2/NDF: 70.2/53

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.627+/-0.005 χ^2/NDF: 3618573.0/26

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

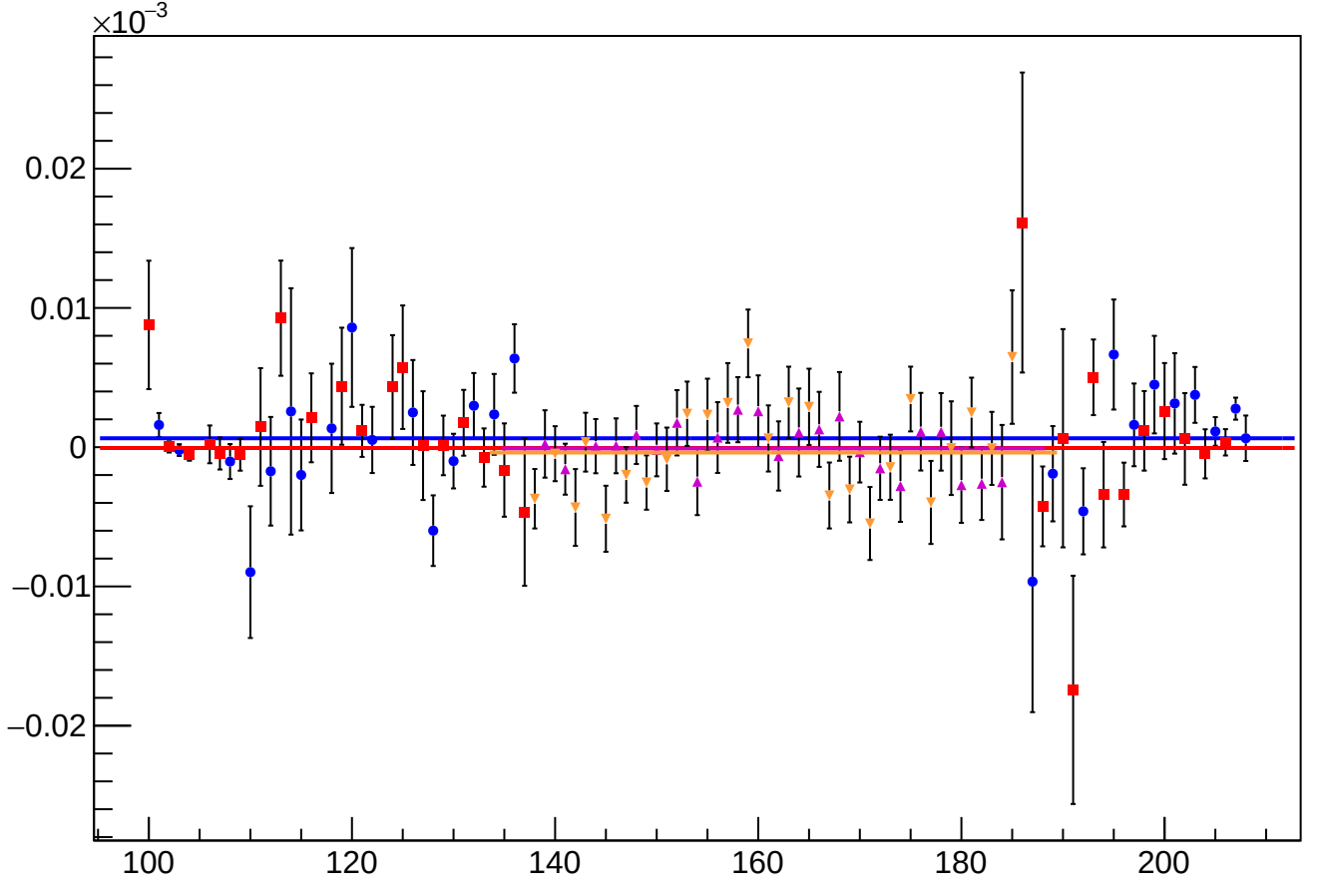
Right Out: 24.087+/-0.005 χ^2/NDF: 3777499.7/30

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 25.225+/-0.003 χ^2/NDF: 6329901.2/51

All: 25.224+/-0.002 χ^2/NDF: 12794867.5/105

- sign 25.223+/-0.003 χ^2/NDF: 6464966.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 47.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/30

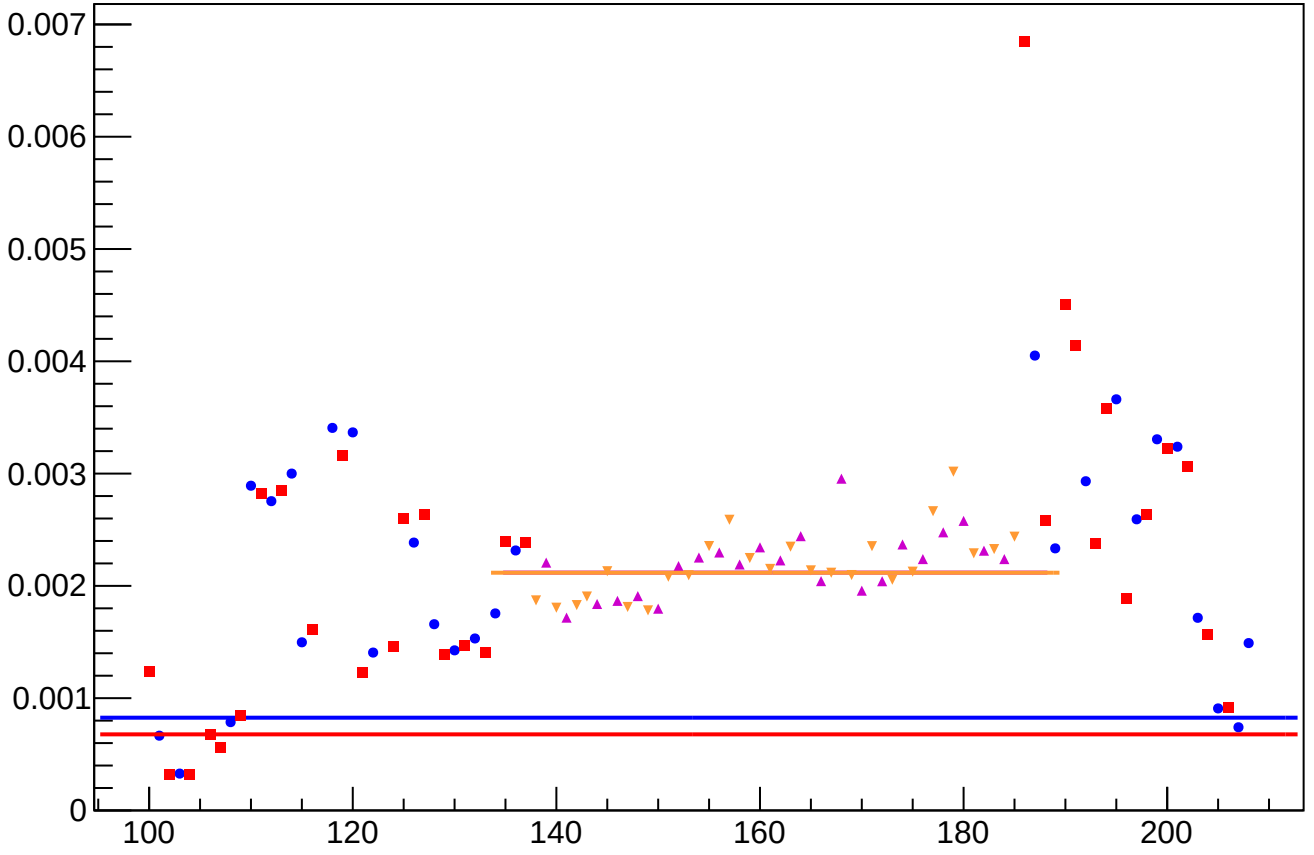
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 93.6/51

All: 0.000+/-0.000 χ^2/NDF: 139.2/105

- sign -0.000+/-0.000 χ^2/NDF: 43.7/53

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 12854126.7/26

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 15999861.2/30

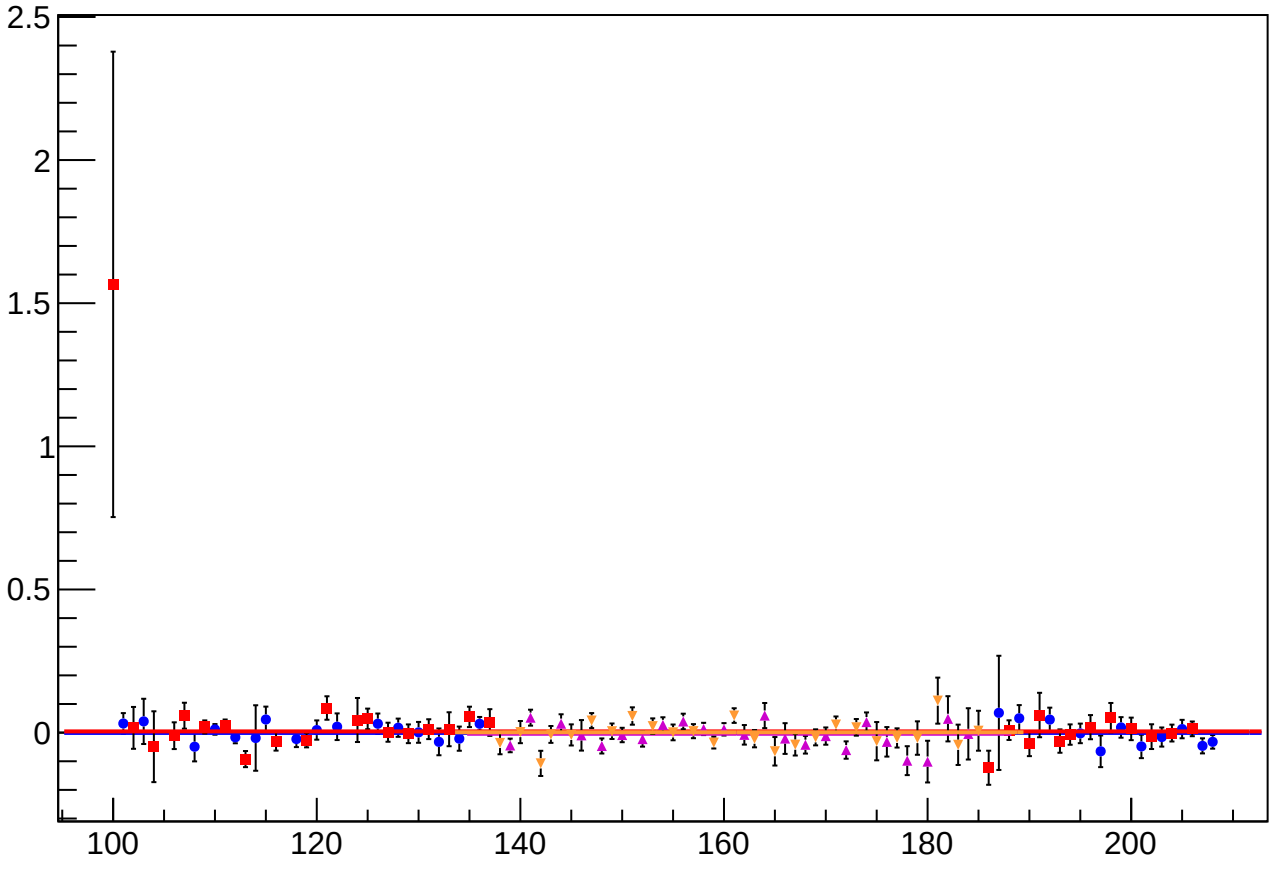
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

\+ sign 0.001+/-0.000 χ^2/NDF: 24005671.2/51

All: 0.001+/-0.000 χ^2/NDF: 54762219.0/105

\- sign 0.001+/-0.000 χ^2/NDF: 30026160.1/53

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.007 χ^2/NDF: 19.1/26

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.2/30

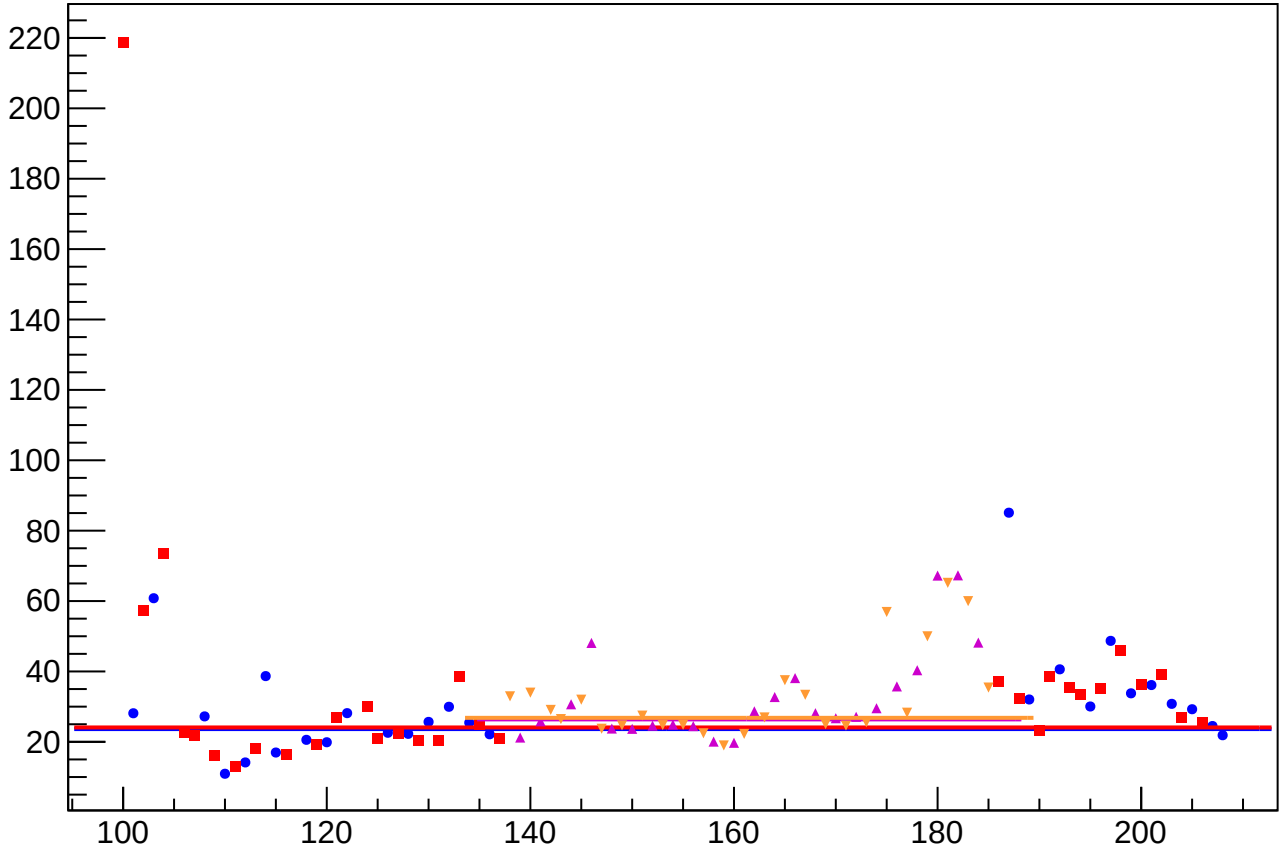
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.000+/-0.005 χ^2/NDF: 49.5/51

All: 0.000+/-0.003 χ^2/NDF: 119.6/105

- sign 0.000+/-0.005 χ^2/NDF: 70.2/53

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.628+/-0.005 χ^2/NDF: 3618300.4/26

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 24.087+/-0.005 χ^2/NDF: 3777275.3/30

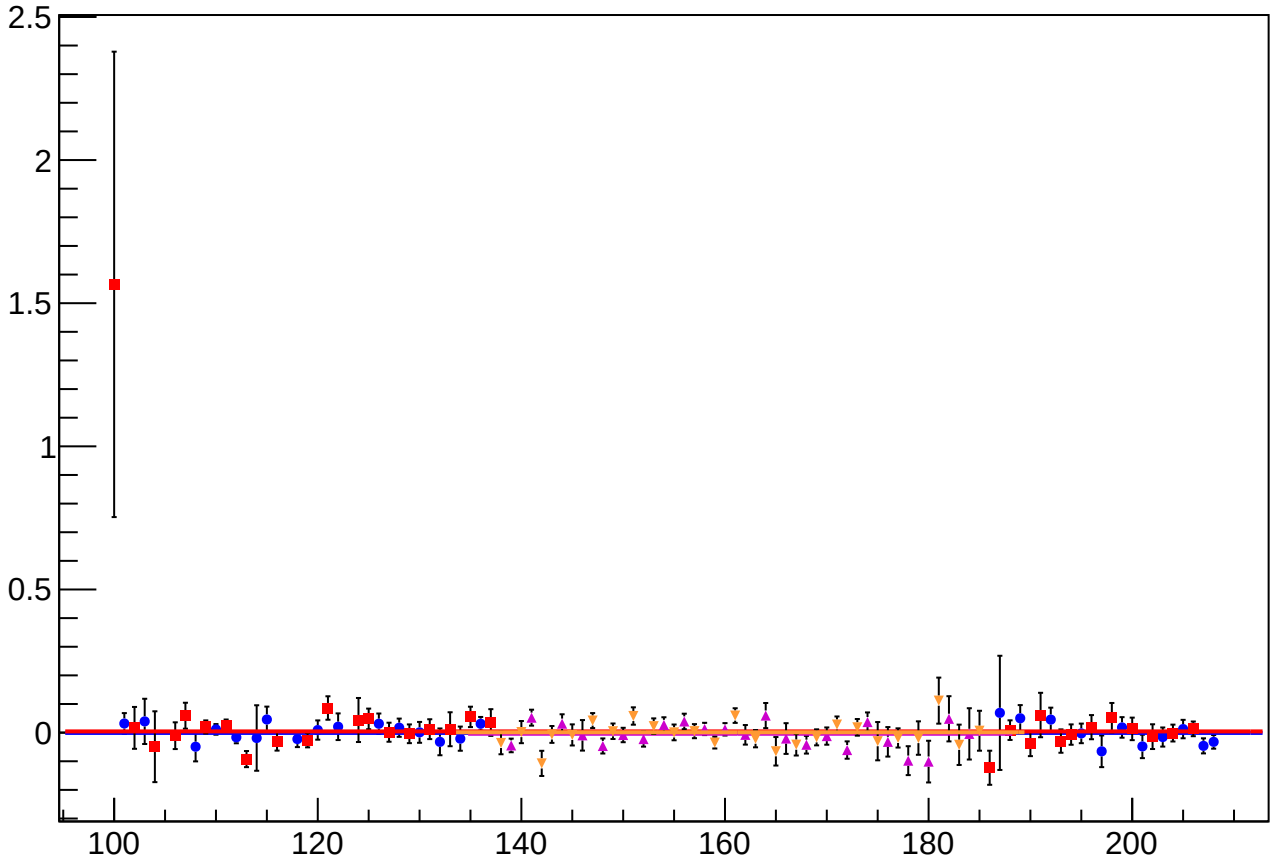
Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 25.225+/-0.003 χ^2/NDF: 6329618.1/51

All: 25.224+/-0.002 χ^2/NDF: 12794428.6/105

- sign 25.223+/-0.003 χ^2/NDF: 6464810.3/53

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.007 χ^2/NDF: 19.1/26

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.2/30

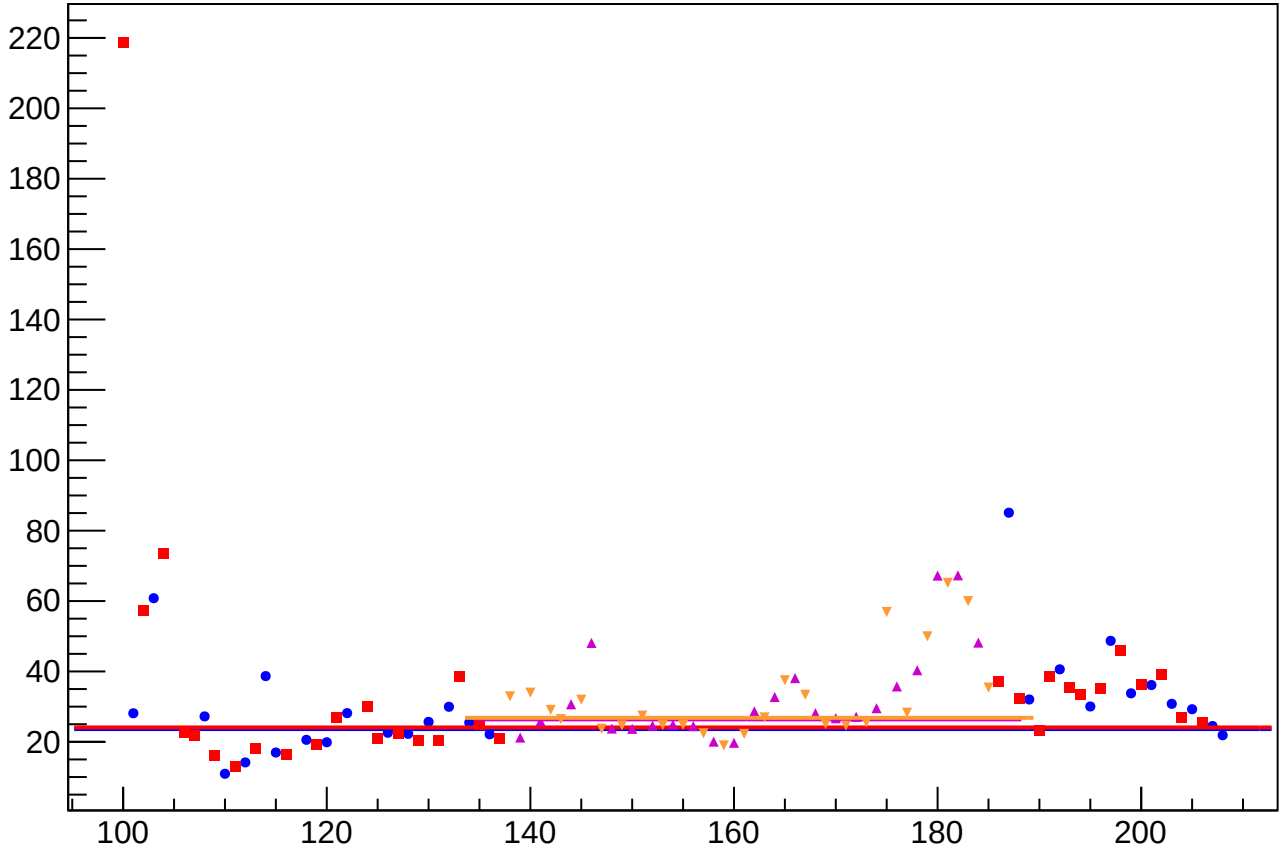
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.000+/-0.005 χ^2/NDF: 49.5/51

All: 0.000+/-0.003 χ^2/NDF: 119.6/105

- sign 0.000+/-0.005 χ^2/NDF: 70.2/53

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.628+/-0.005 χ^2/NDF: 3618300.4/26

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

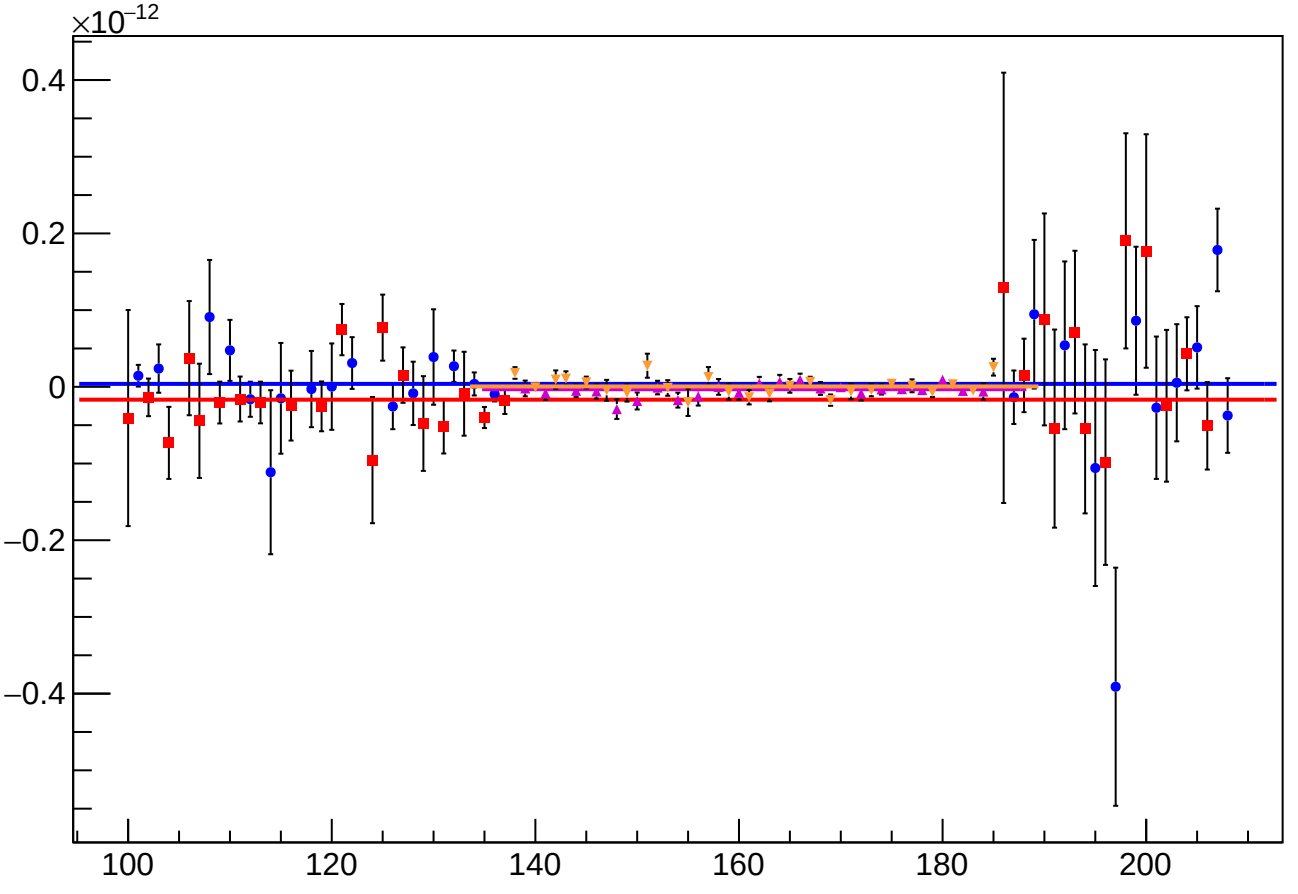
Right Out: 24.087+/-0.005 χ^2/NDF: 3777275.3/30

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 25.225+/-0.003 χ^2/NDF: 6329618.1/51

All: 25.224+/-0.002 χ^2/NDF: 12794428.6/105

- sign 25.223+/-0.003 χ^2/NDF: 6464810.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 32.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.7/30

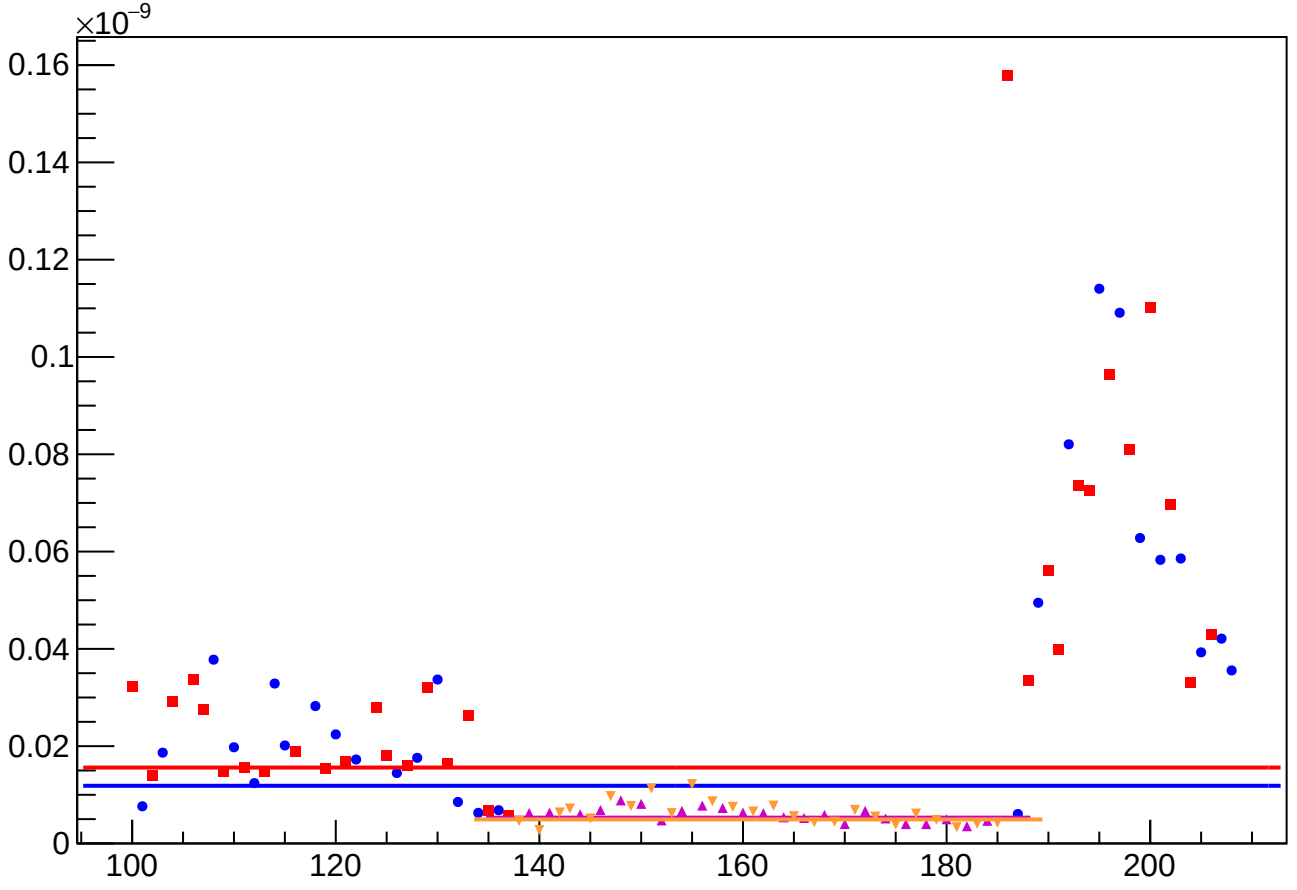
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.0/51

All: -0.000+/-0.000 χ^2/NDF: 121.0/105

- sign -0.000+/-0.000 χ^2/NDF: 51.6/53

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8511588.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7549274.7/30

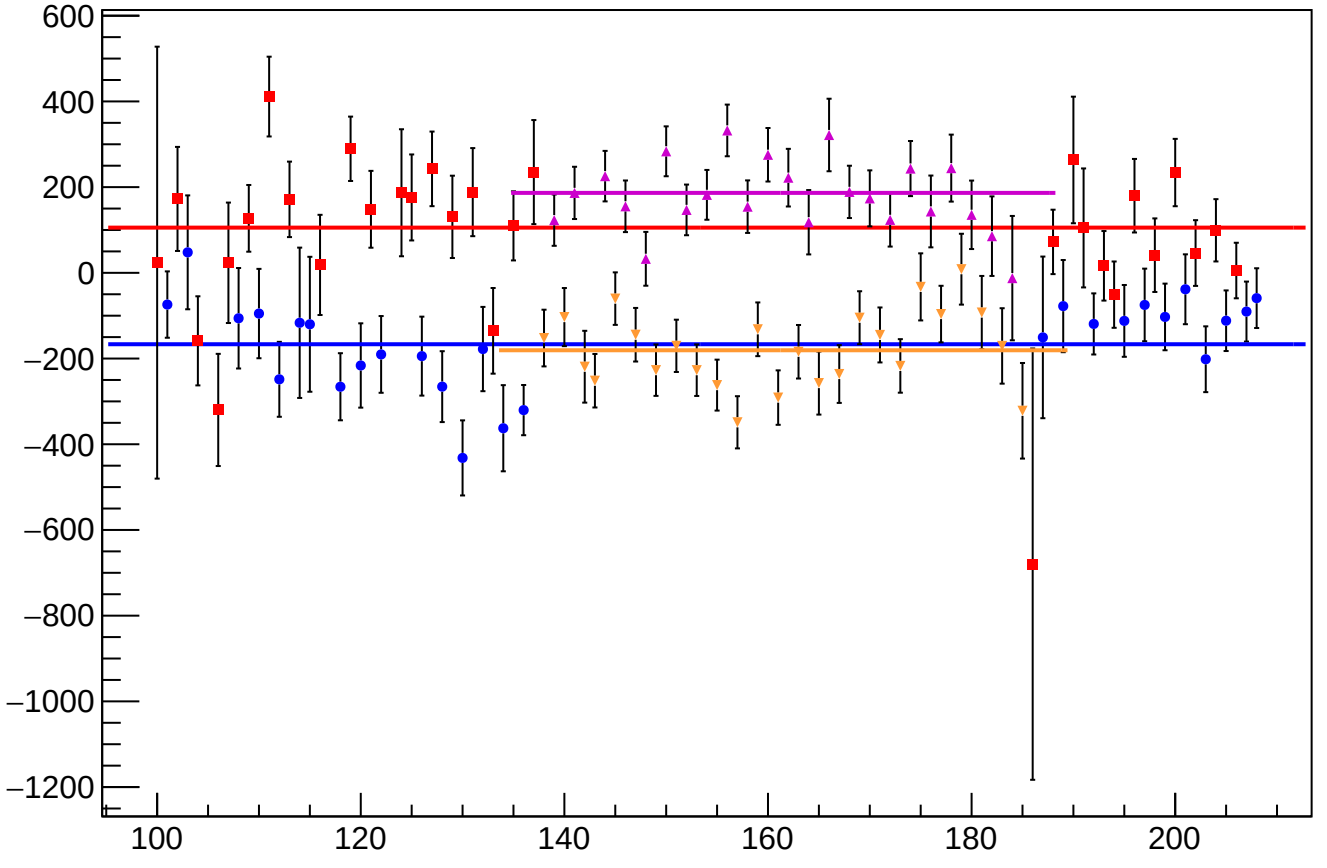
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

\+ sign 0.000+/-0.000 χ^2/NDF: 14197446.4/51

All: 0.000+/-0.000 χ^2/NDF: 27434224.6/105

\- sign 0.000+/-0.000 χ^2/NDF: 13161201.8/53

reg_asym_sam8_mean vs Slug



Right In: -166.612+/-16.761 χ^2/NDF: 39.4/26

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 105.511+/-16.933 χ^2/NDF: 62.9/30

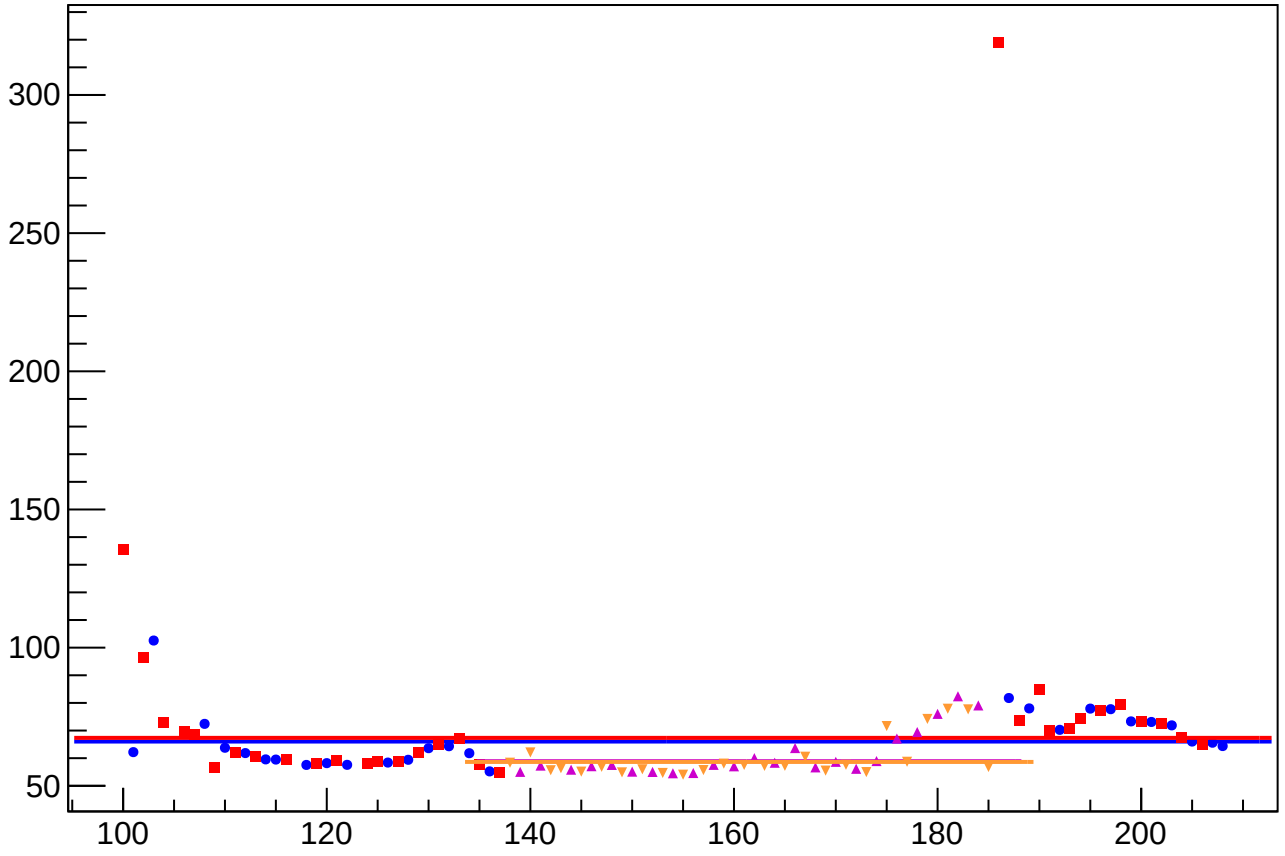
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -175.189+/-10.475 χ^2/NDF: 78.4/51

All: -14.451+/-7.494 χ^2/NDF: 666.3/105

- sign 154.049+/-10.725 χ^2/NDF: 105.6/53

reg_asym_sam8_rms vs Slug



Right In: 66.021+/-0.012 χ^2/NDF: 497634.1/26

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.351+/-0.012 χ^2/NDF: 1020995.5/30

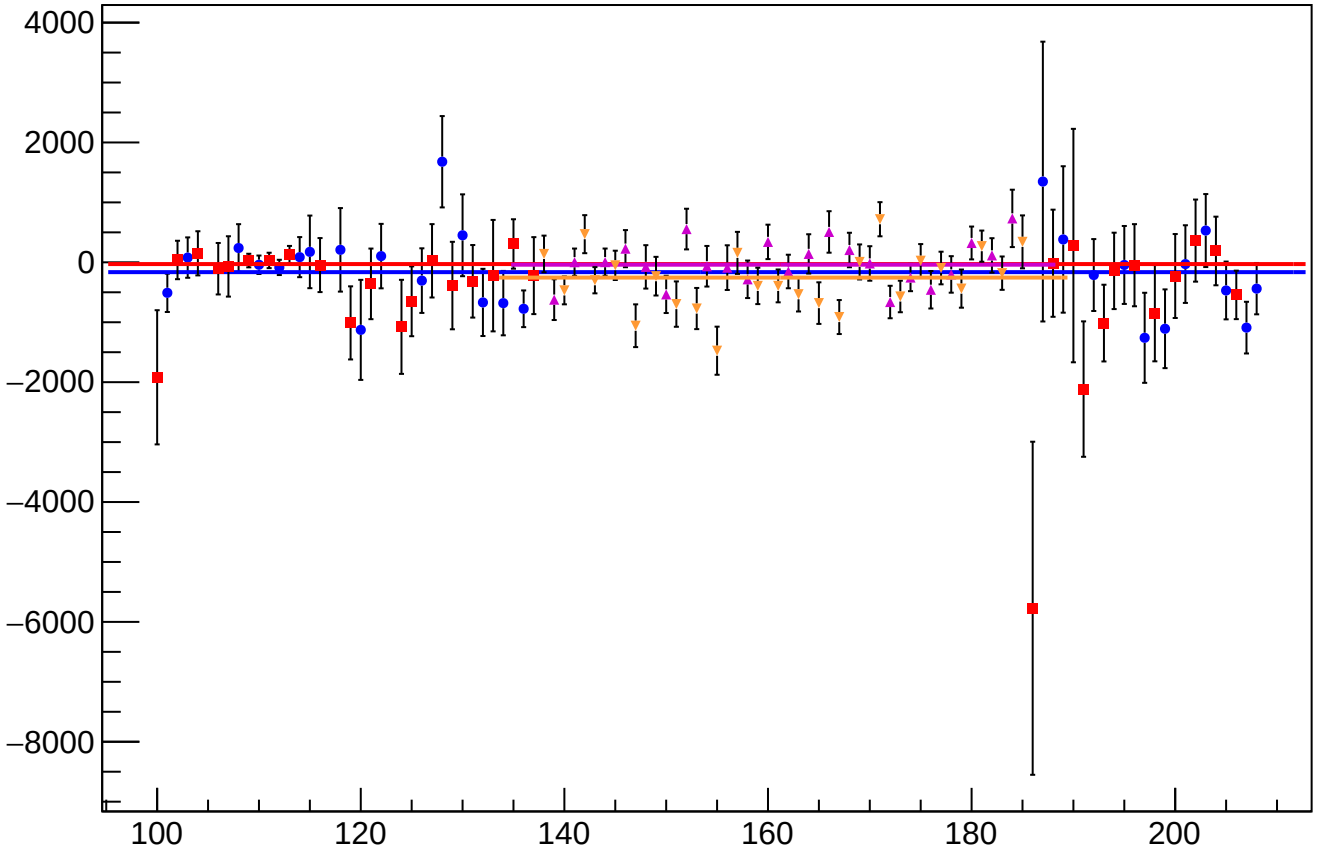
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.525+/-0.007 χ^2/NDF: 1127584.0/51

All: 61.900+/-0.005 χ^2/NDF: 2838523.2/105

- sign 62.294+/-0.008 χ^2/NDF: 1705678.0/53

asym_sam8_reg_correction_mean vs Slug



Right In: -163.830+/-70.280 χ^2/NDF: 30.5/26

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -29.118+/-60.972 χ^2/NDF: 25.2/30

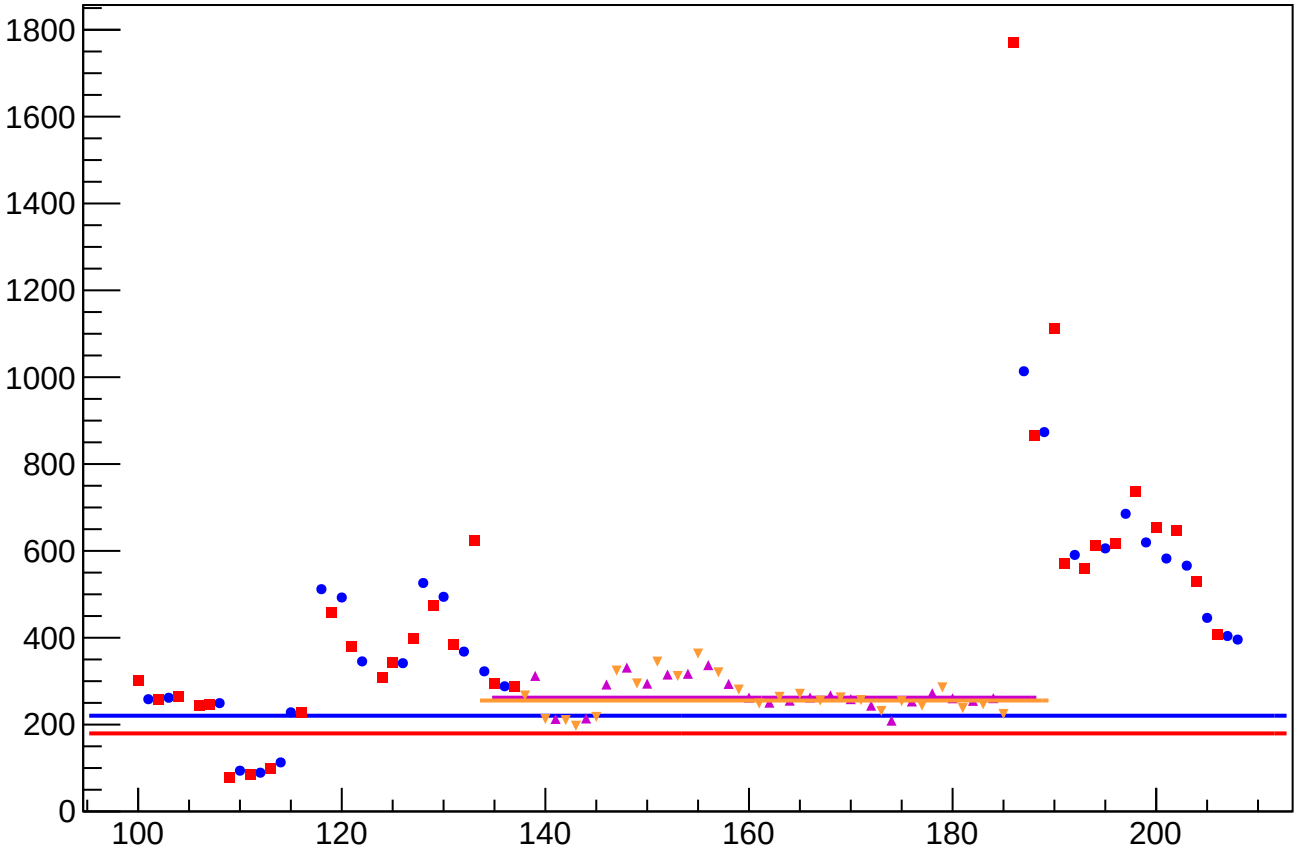
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -217.184+/-45.132 χ^2/NDF: 89.2/51

All: -122.107+/-31.295 χ^2/NDF: 151.3/105

- sign -34.058+/-43.432 χ^2/NDF: 53.6/53

asym_sam8_reg_correction_rms vs Slug



Right In: 220.466+/-0.050 χ^2/NDF: 11651773.8/26

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 179.732+/-0.043 χ^2/NDF: 15102730.5/30

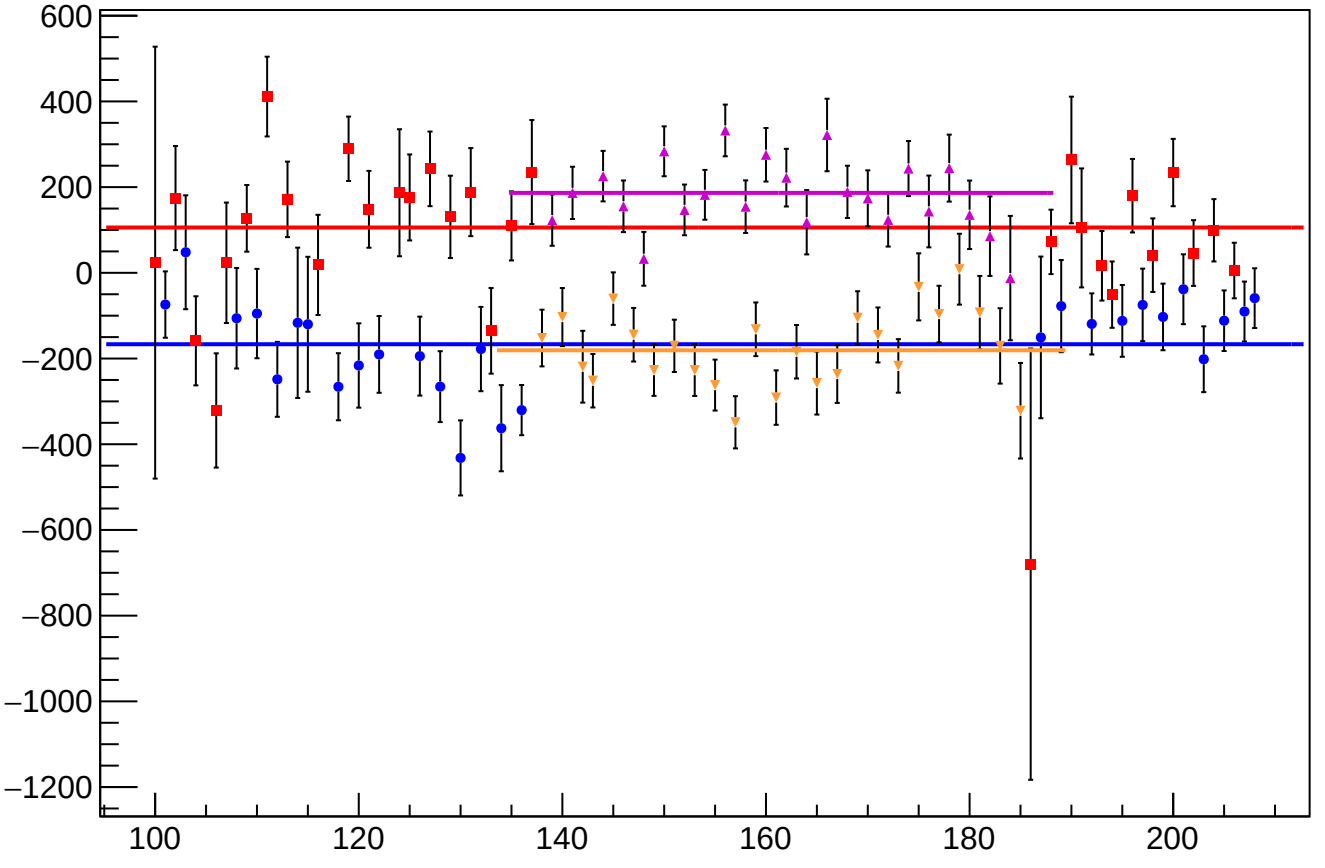
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 241.034+/-0.032 χ^2/NDF: 12807171.1/51

All: 230.248+/-0.022 χ^2/NDF: 30594390.1/10

- sign 220.259+/-0.031 χ^2/NDF: 17567195.8/53

cor_asym_sam8_mean vs Slug



Right In: -166.613+/-16.761 χ^2/NDF: 39.4/26

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 105.786+/-16.938 χ^2/NDF: 62.6/30

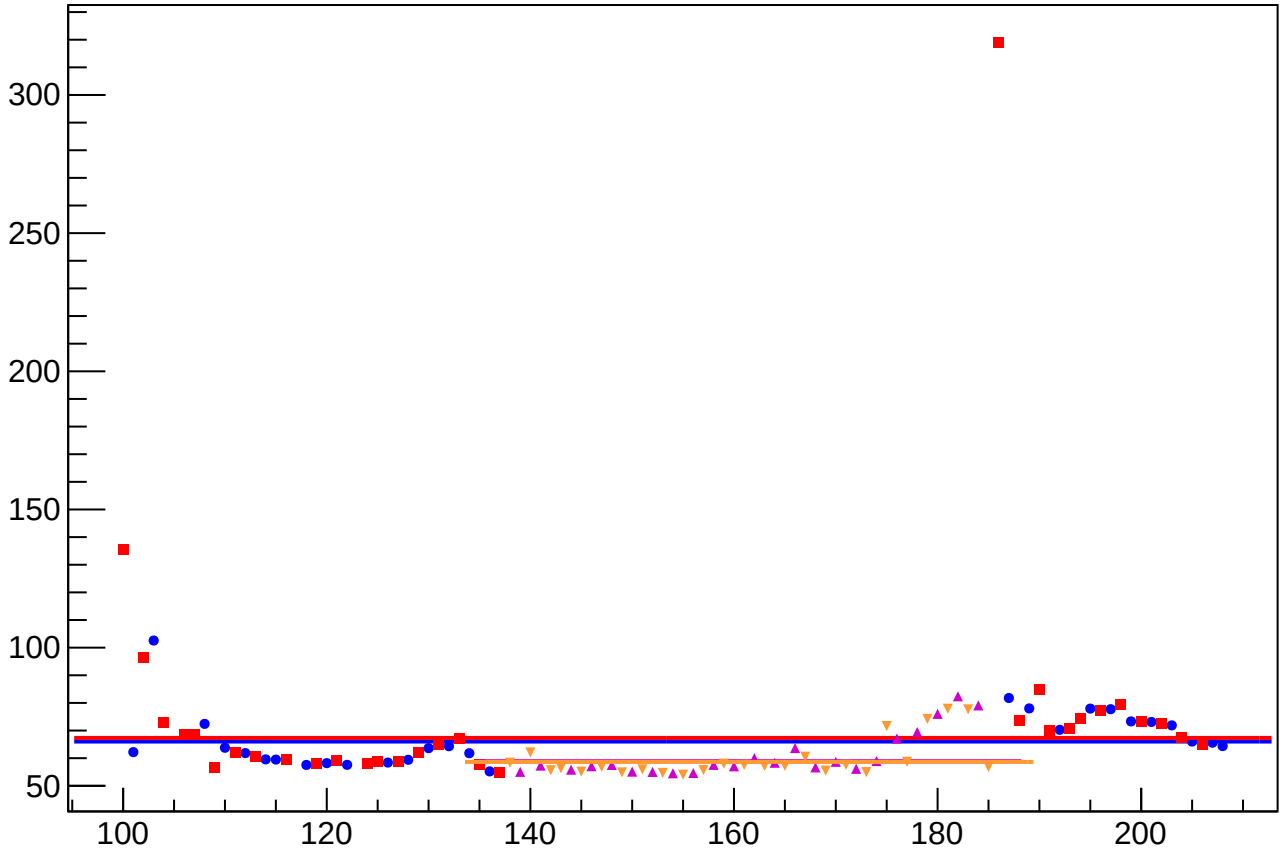
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -175.186+/-10.475 χ^2/NDF: 78.4/51

All: -14.410+/-7.494 χ^2/NDF: 666.2/105

- sign 154.172+/-10.727 χ^2/NDF: 105.2/53

cor_asym_sam8_rms vs Slug



Right In: 66.021+/-0.012 χ^2/NDF: 497636.5/26

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.331+/-0.012 χ^2/NDF: 1020717.8/30

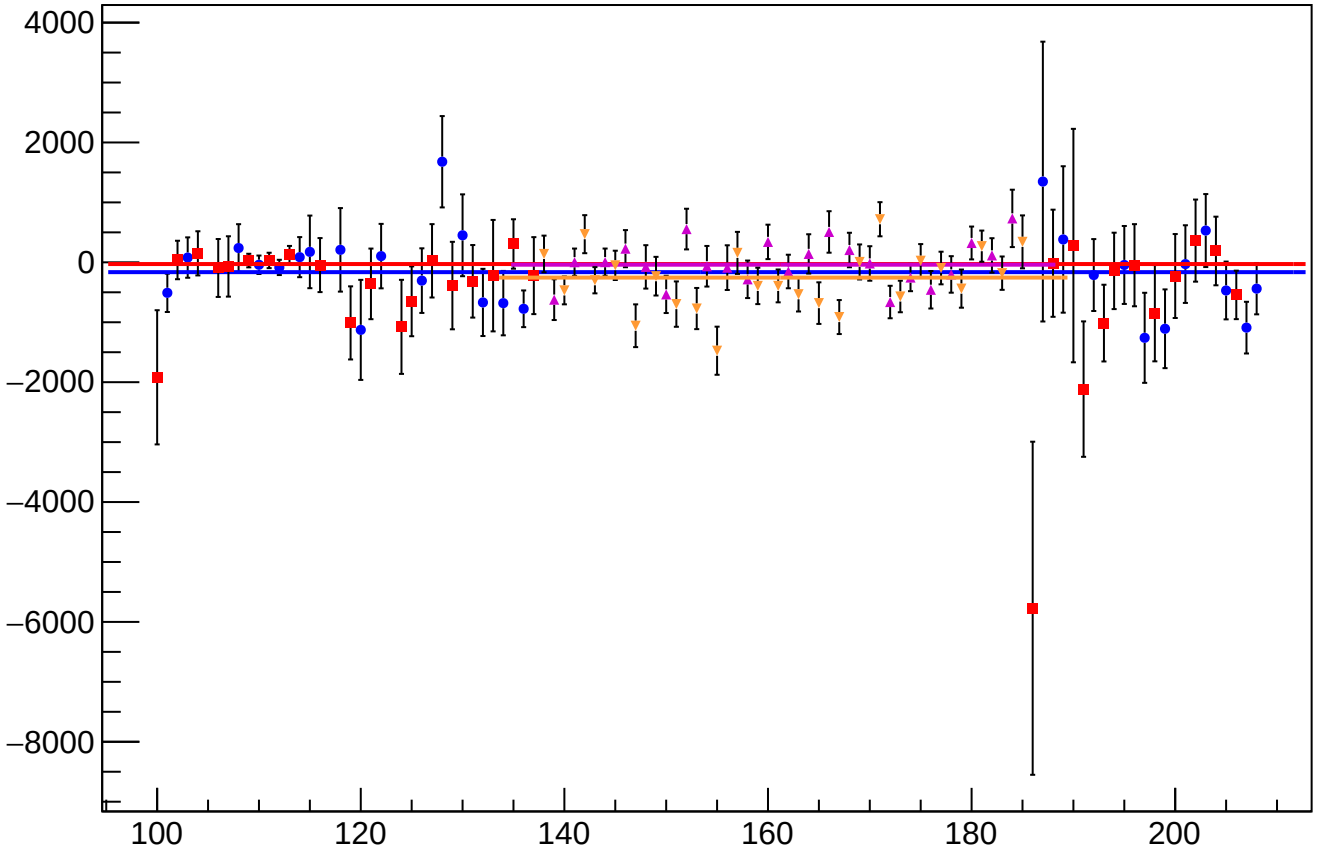
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.525+/-0.007 χ^2/NDF: 1127586.6/51

All: 61.896+/-0.005 χ^2/NDF: 2836606.8/105

- sign 62.285+/-0.008 χ^2/NDF: 1703885.6/53

asym_sam8_cor_correction_mean vs Slug



Right In: -163.816+/-70.281 χ^2/NDF: 30.5/26

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -28.609+/-61.104 χ^2/NDF: 25.2/30

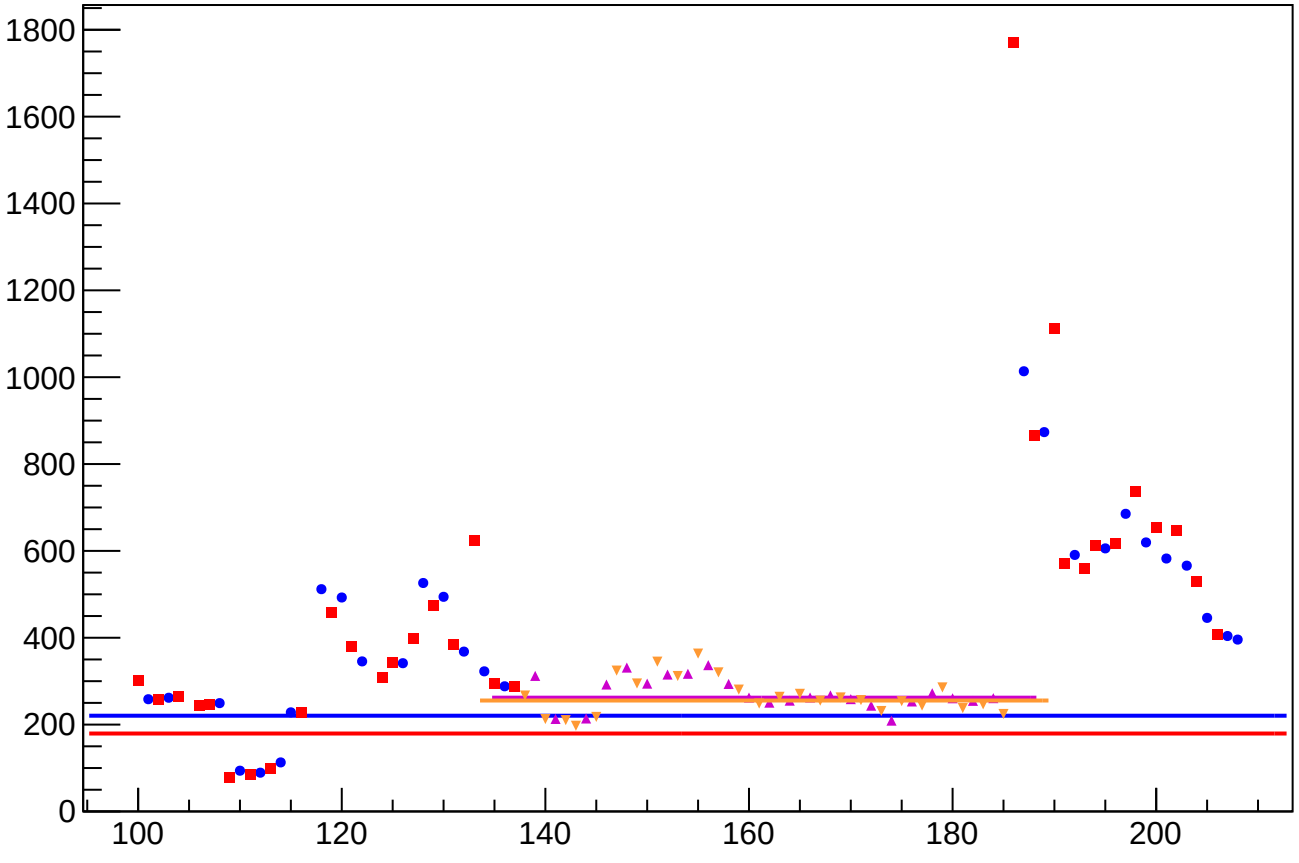
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -217.177+/-45.132 χ^2/NDF: 89.2/51

All: -122.074+/-31.313 χ^2/NDF: 151.3/105

- sign -33.810+/-43.480 χ^2/NDF: 53.6/53

asym_sam8_cor_correction_rms vs Slug



Right In: 220.466+/-0.050 χ^2/NDF: 11651807.5/26

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 179.461+/-0.043 χ^2/NDF: 15094037.1/30

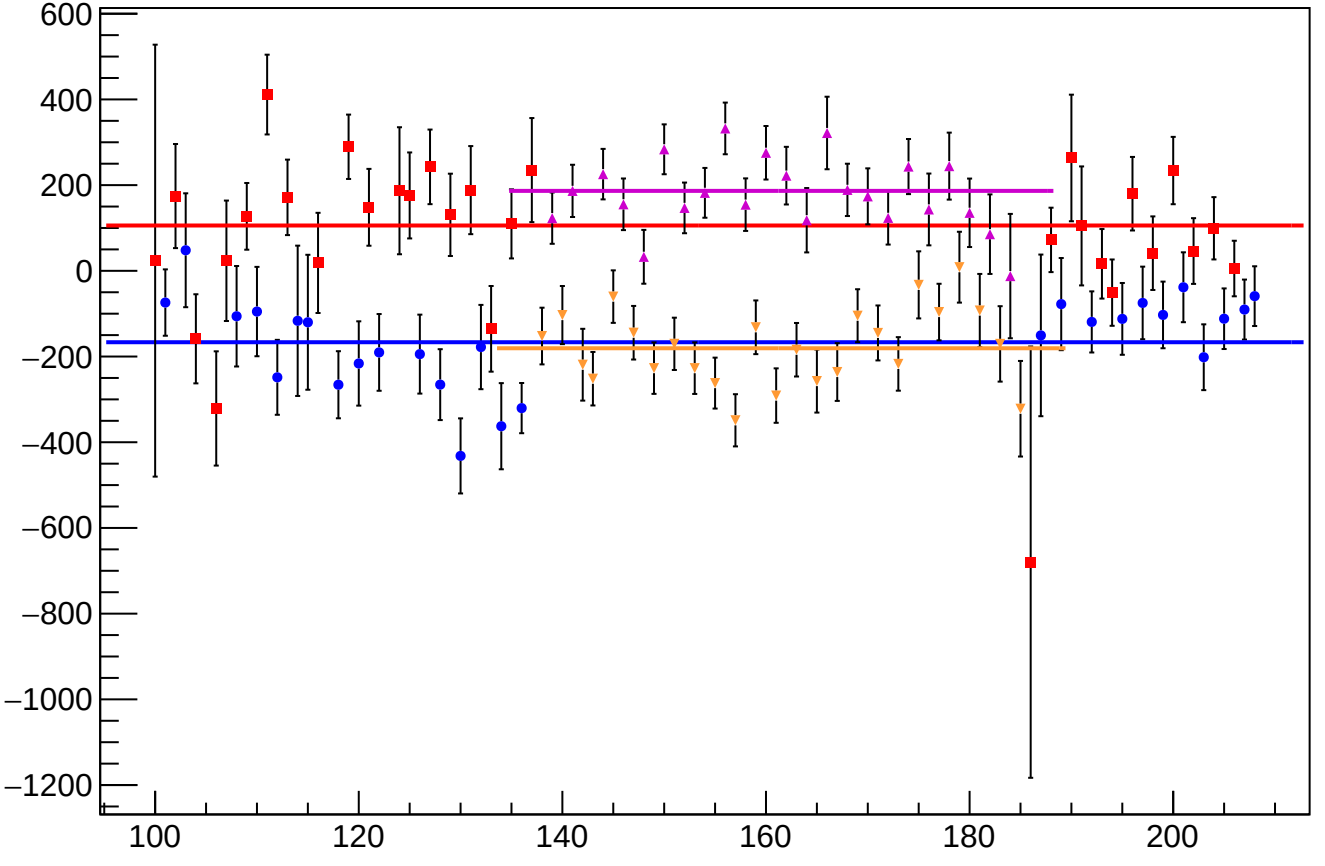
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 241.034+/-0.032 χ^2/NDF: 12807189.8/51

All: 230.235+/-0.022 χ^2/NDF: 30594474.3/10

- sign 220.211+/-0.031 χ^2/NDF: 17566470.0/53

eigen_cor_asym_sam8_mean vs Slug



Right In: -166.613+/-16.761 χ^2/NDF: 39.4/26

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 105.786+/-16.938 χ^2/NDF: 62.6/30

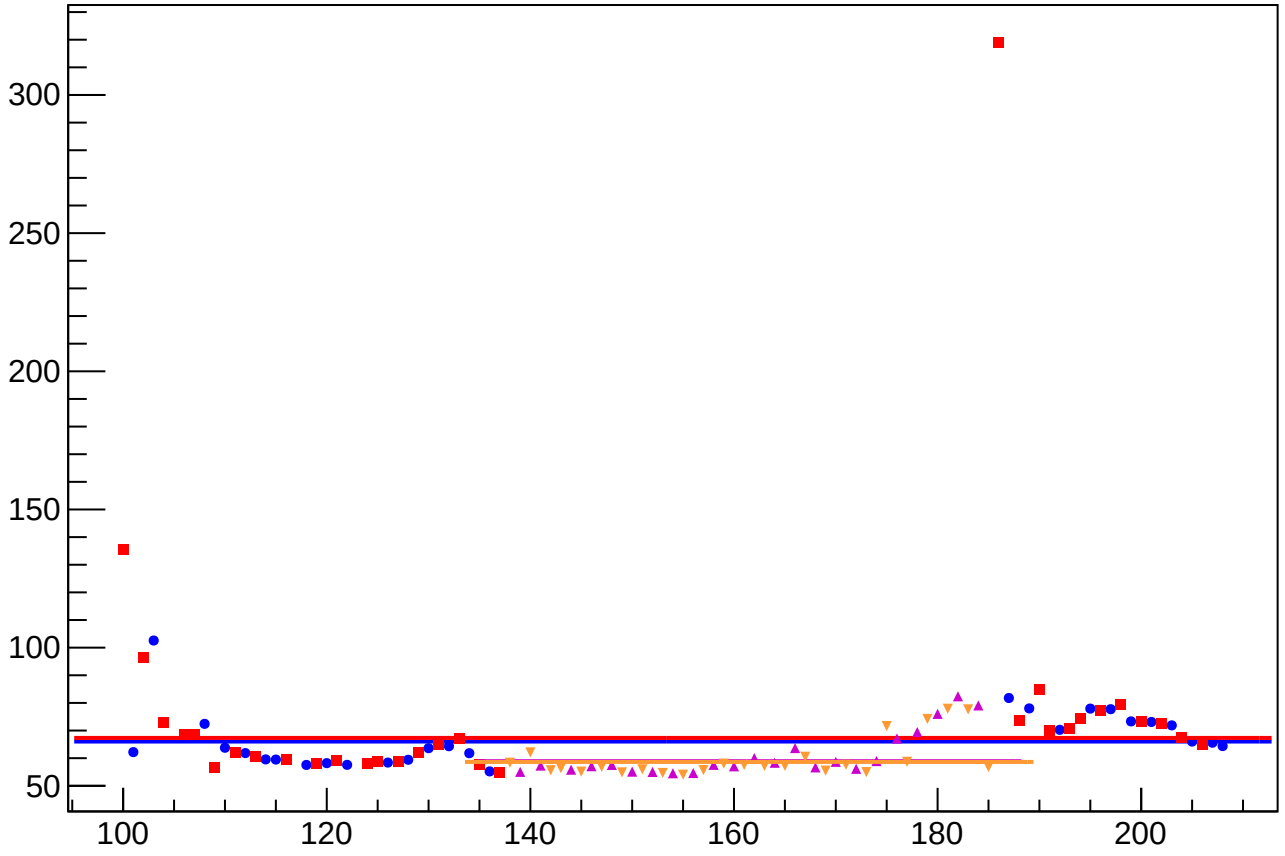
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -175.186+/-10.475 χ^2/NDF: 78.4/51

All: -14.410+/-7.494 χ^2/NDF: 666.2/105

- sign 154.172+/-10.727 χ^2/NDF: 105.2/53

eigen_cor_asym_sam8_rms vs Slug



Right In: 66.021+/-0.012 χ^2/NDF: 497636.5/26

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.331+/-0.012 χ^2/NDF: 1020717.8/30

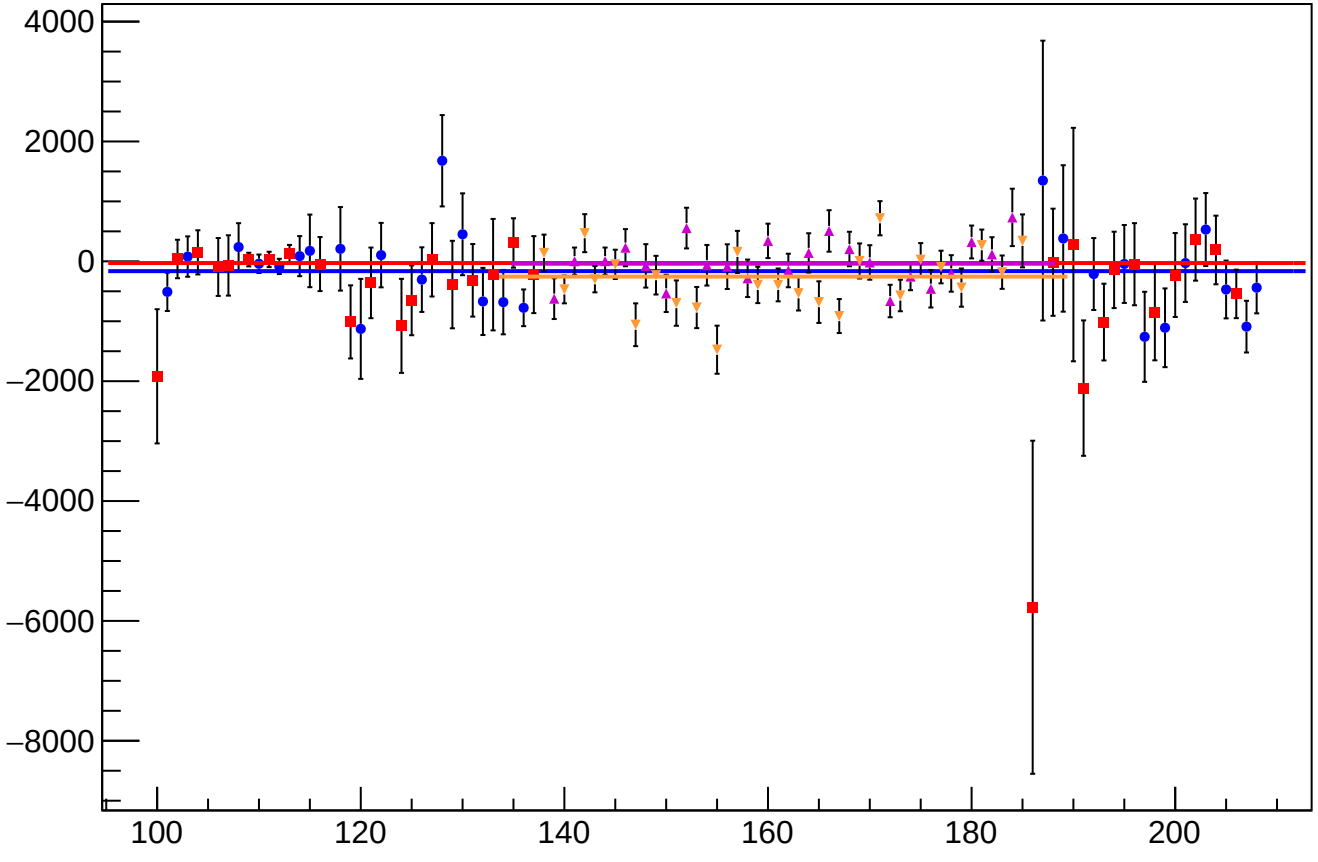
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.525+/-0.007 χ^2/NDF: 1127586.6/51

All: 61.896+/-0.005 χ^2/NDF: 2836606.8/105

- sign 62.285+/-0.008 χ^2/NDF: 1703885.6/53

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -163.816+/-70.281 χ^2/NDF: 30.5/26

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -28.609+/-61.104 χ^2/NDF: 25.2/30

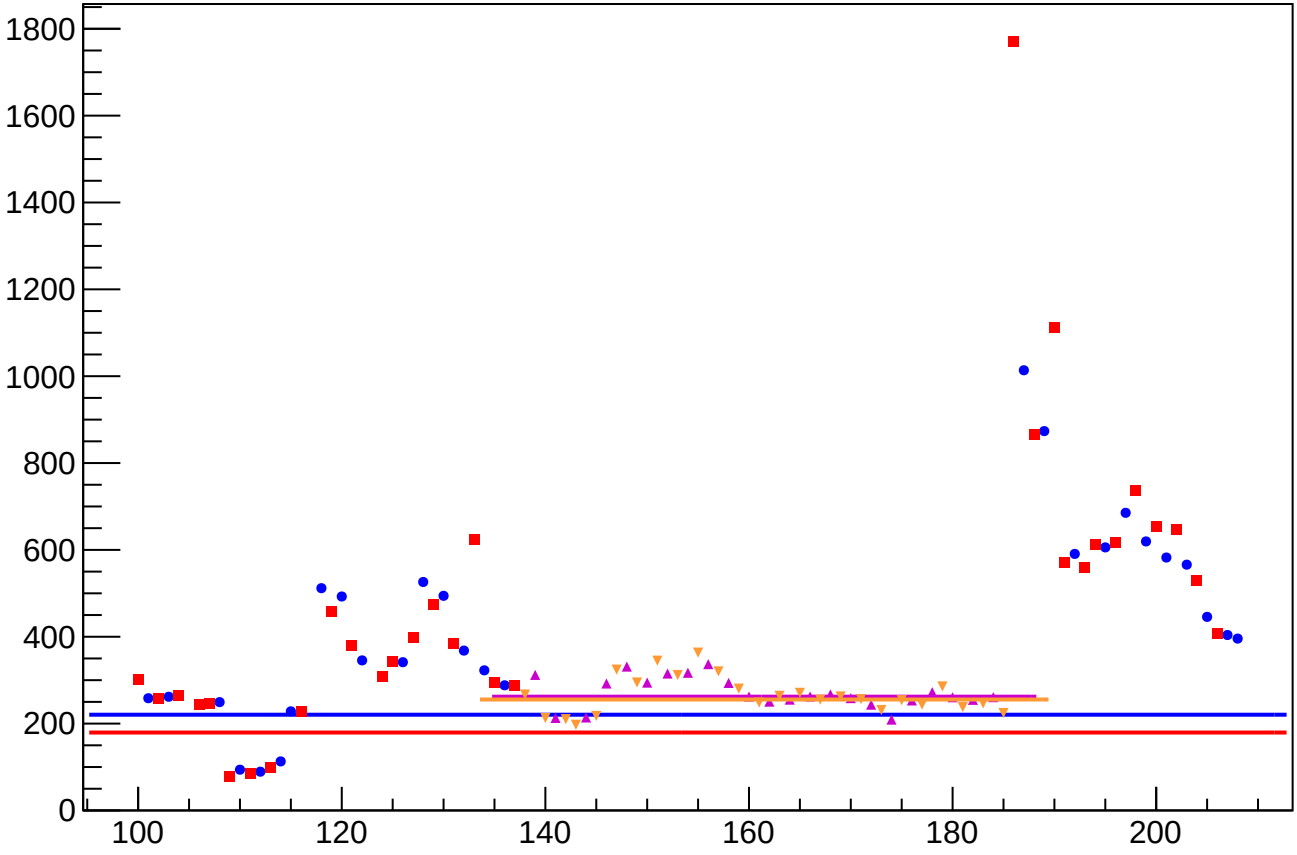
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -217.177+/-45.132 χ^2/NDF: 89.2/51

All: -122.074+/-31.313 χ^2/NDF: 151.3/105

- sign -33.810+/-43.480 χ^2/NDF: 53.6/53

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 220.466+/-0.050 χ^2/NDF: 11651807.5/26

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 179.461+/-0.043 χ^2/NDF: 15094037.1/30

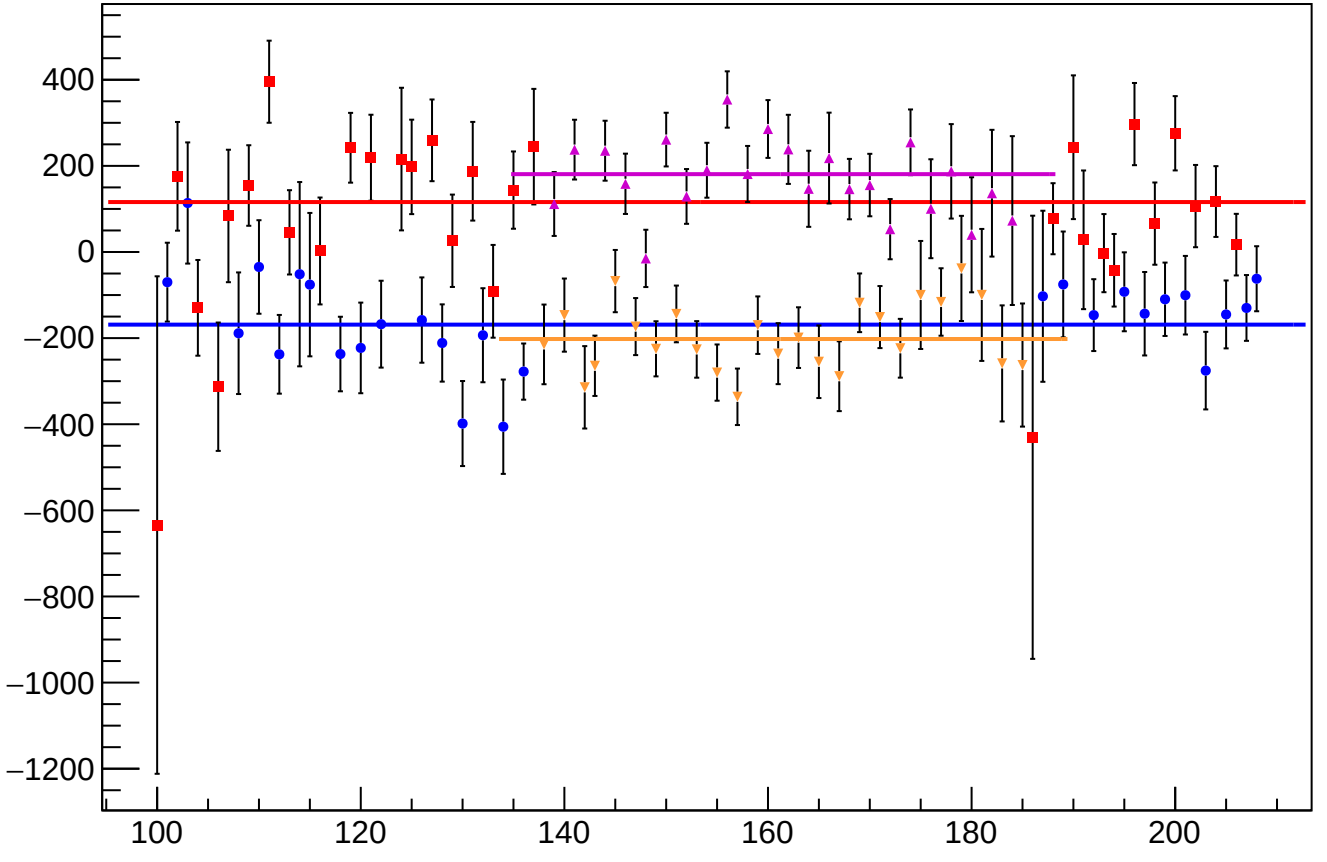
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 241.034+/-0.032 χ^2/NDF: 12807189.8/51

All: 230.235+/-0.022 χ^2/NDF: 30594474.3/10

- sign 220.211+/-0.031 χ^2/NDF: 17566470.0/53

dit_asym_sam8_mean vs Slug



Right In: -168.689+/-18.620 χ^2/NDF: 28.3/26

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 115.982+/-18.784 χ^2/NDF: 54.4/30

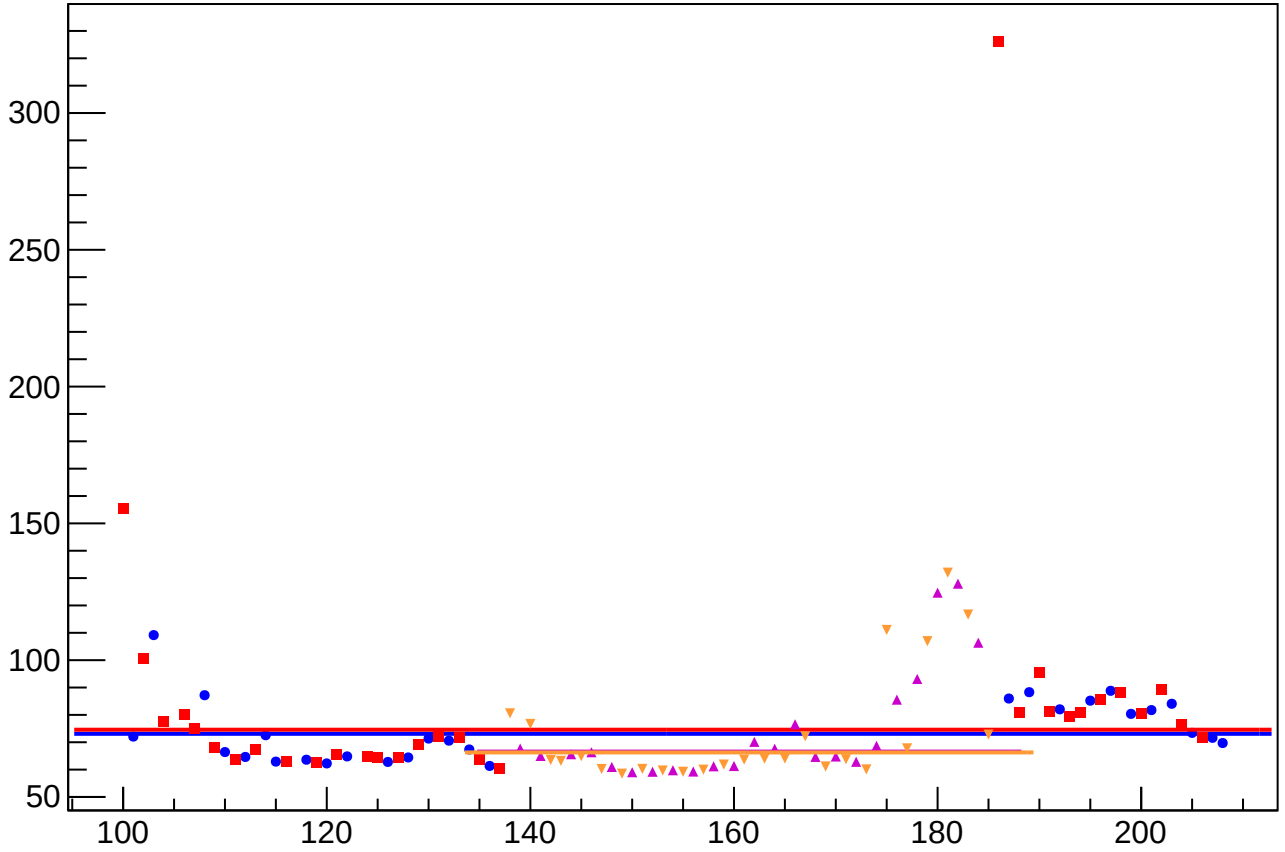
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -188.379+/-11.930 χ^2/NDF: 51.7/51

All: -21.109+/-8.526 χ^2/NDF: 544.9/105

- sign 153.499+/-12.189 χ^2/NDF: 91.5/53

dit_asym_sam8_rms vs Slug



Right In: 73.084+/-0.013 χ^2/NDF: 571166.0/26

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.584+/-0.013 χ^2/NDF: 1028014.9/30

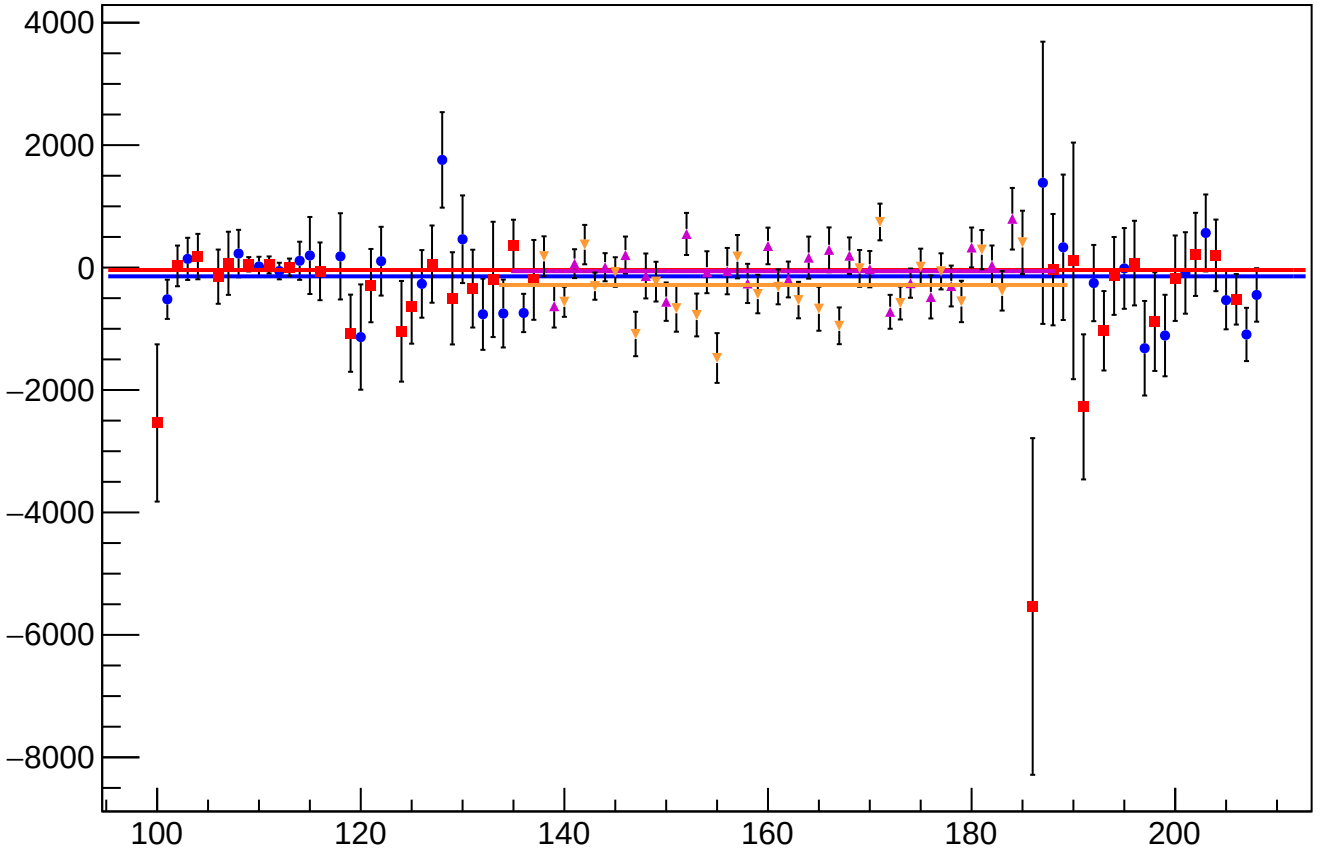
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 69.072+/-0.008 χ^2/NDF: 2122511.7/51

All: 69.503+/-0.006 χ^2/NDF: 4524039.6/105

- sign 69.953+/-0.009 χ^2/NDF: 2396195.0/53

asym_sam8_dit_correction_mean vs Slug



Right In: -143.489+/-72.365 χ^2/NDF: 32.1/26

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -39.813+/-62.744 χ^2/NDF: 25.0/30

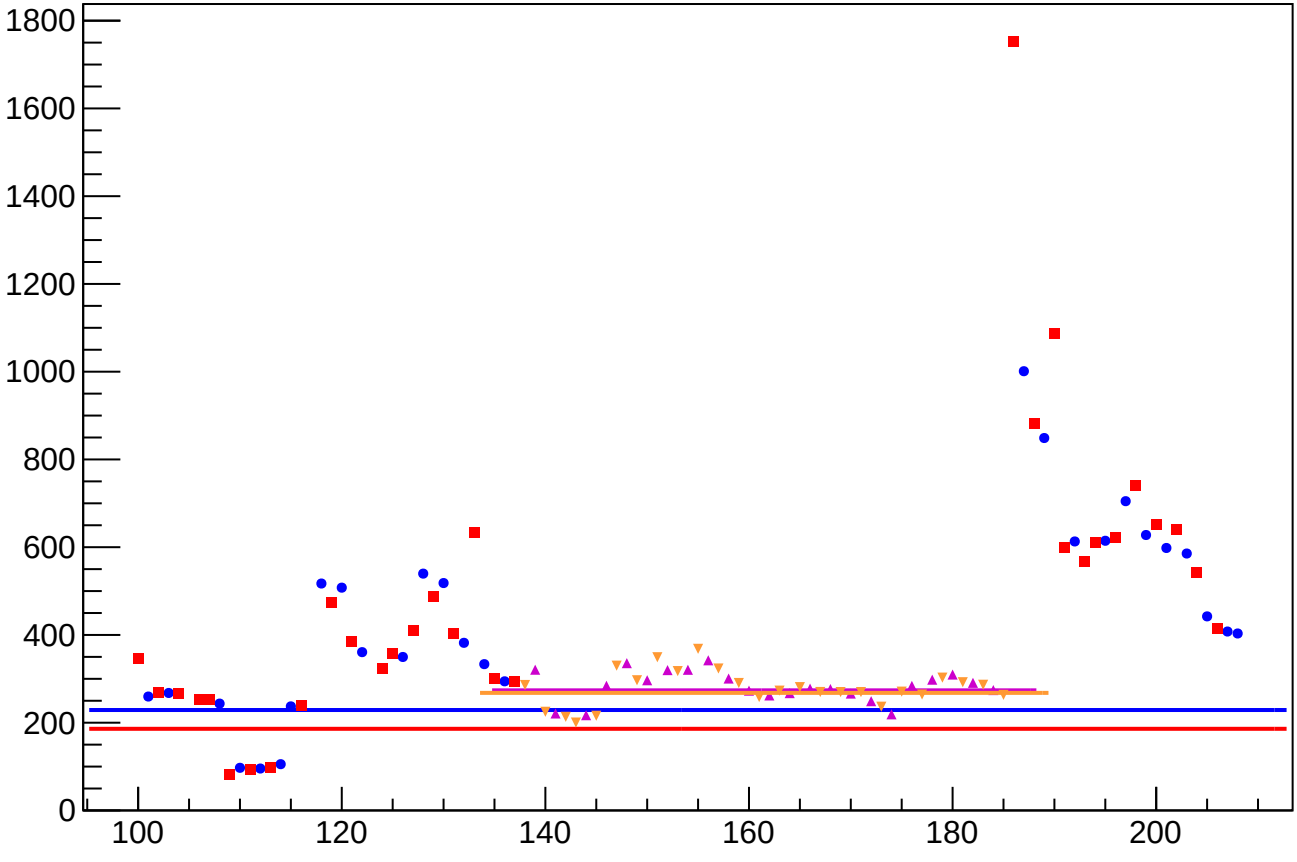
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -225.082+/-46.963 χ^2/NDF: 88.9/51

All: -133.429+/-32.499 χ^2/NDF: 148.1/105

- sign -49.199+/-45.021 χ^2/NDF: 51.9/53

asym_sam8_dit_correction_rms vs Slug



Right In: 228.906+/-0.051 χ^2/NDF: 11373267.8/26

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 186.085+/-0.044 χ^2/NDF: 14893647.5/30

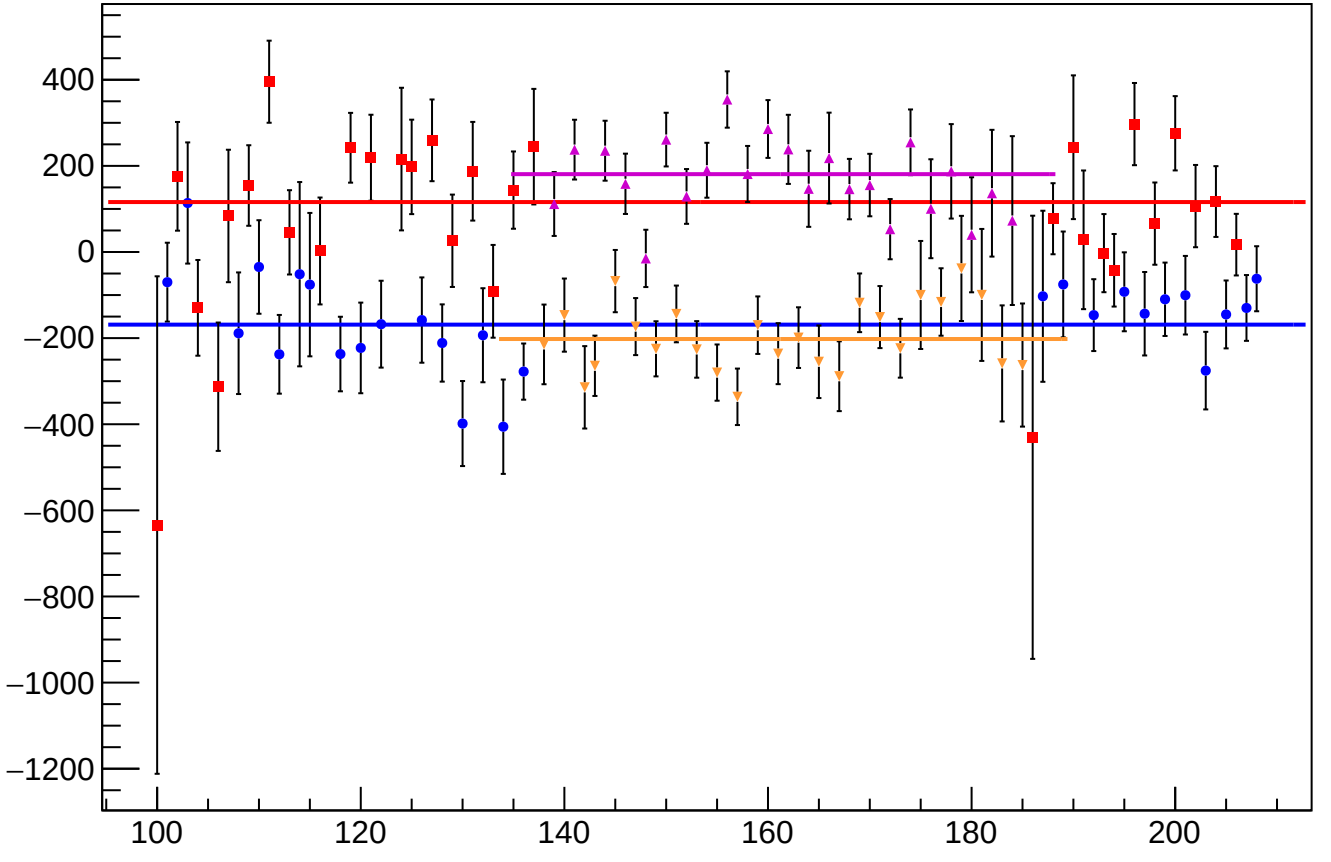
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 251.526+/-0.033 χ^2/NDF: 12573681.6/51

All: 239.587+/-0.023 χ^2/NDF: 30259845.5/10

- sign 228.616+/-0.032 χ^2/NDF: 17438124.1/53

eigen_dit_asym_sam8_mean vs Slug



Right In: -168.689+/-18.620 χ^2/NDF: 28.3/26

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 115.982+/-18.784 χ^2/NDF: 54.4/30

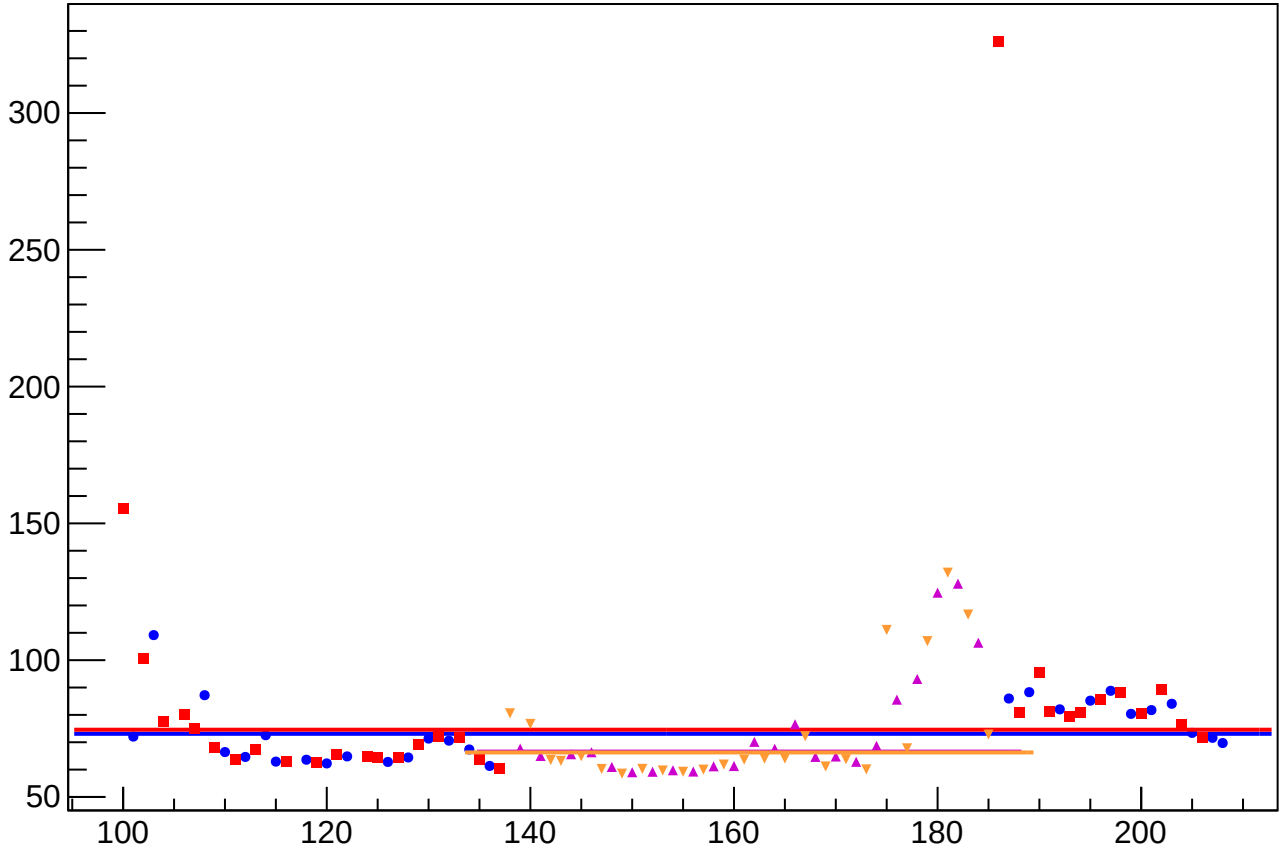
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -188.379+/-11.930 χ^2/NDF: 51.7/51

All: -21.108+/-8.526 χ^2/NDF: 544.9/105

- sign 153.500+/-12.189 χ^2/NDF: 91.5/53

eigen_dit_asym_sam8_rms vs Slug



Right In: 73.084+/-0.013 χ^2/NDF: 571169.8/26

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.584+/-0.013 χ^2/NDF: 1028020.0/30

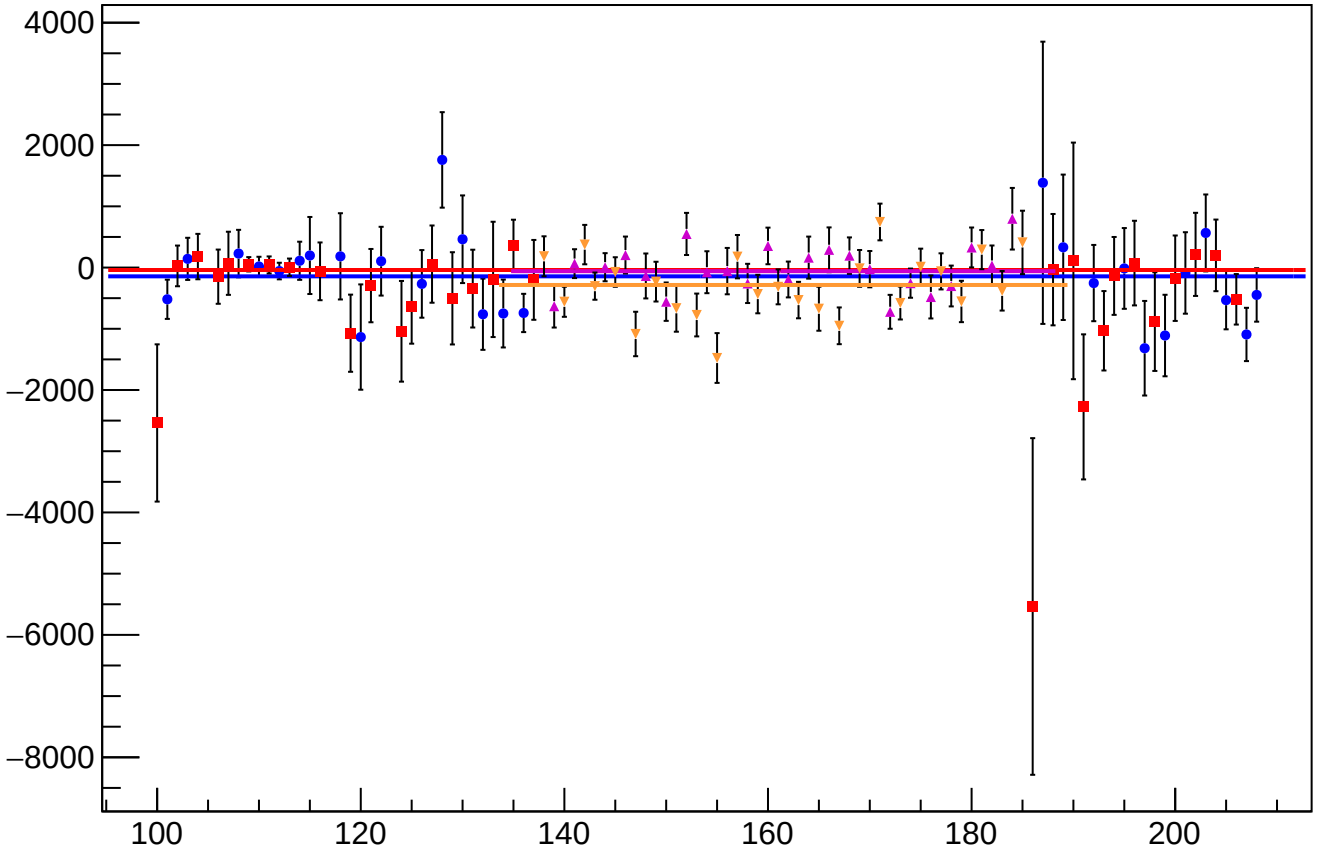
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 69.072+/-0.008 χ^2/NDF: 2122511.1/51

All: 69.503+/-0.006 χ^2/NDF: 4524027.3/105

- sign 69.953+/-0.009 χ^2/NDF: 2396183.3/53

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -143.487+/-72.364 χ^2/NDF: 32.1/26

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -39.811+/-62.743 χ^2/NDF: 25.0/30

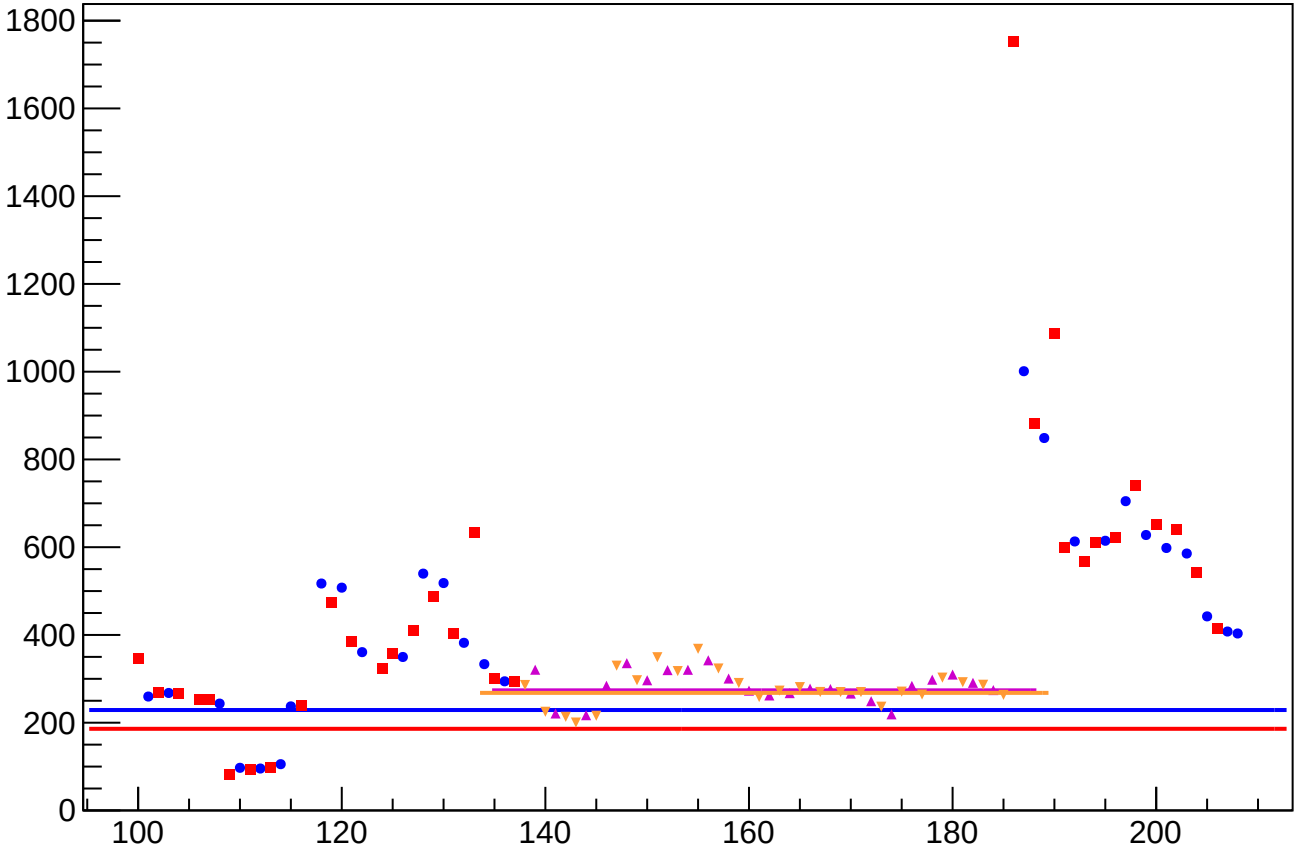
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -225.081+/-46.963 χ^2/NDF: 88.9/51

All: -133.428+/-32.499 χ^2/NDF: 148.1/105

- sign -49.198+/-45.021 χ^2/NDF: 51.9/53

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 228.904+/-0.051 χ^2/NDF: 11373341.4/26

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 186.085+/-0.044 χ^2/NDF: 14893633.0/30

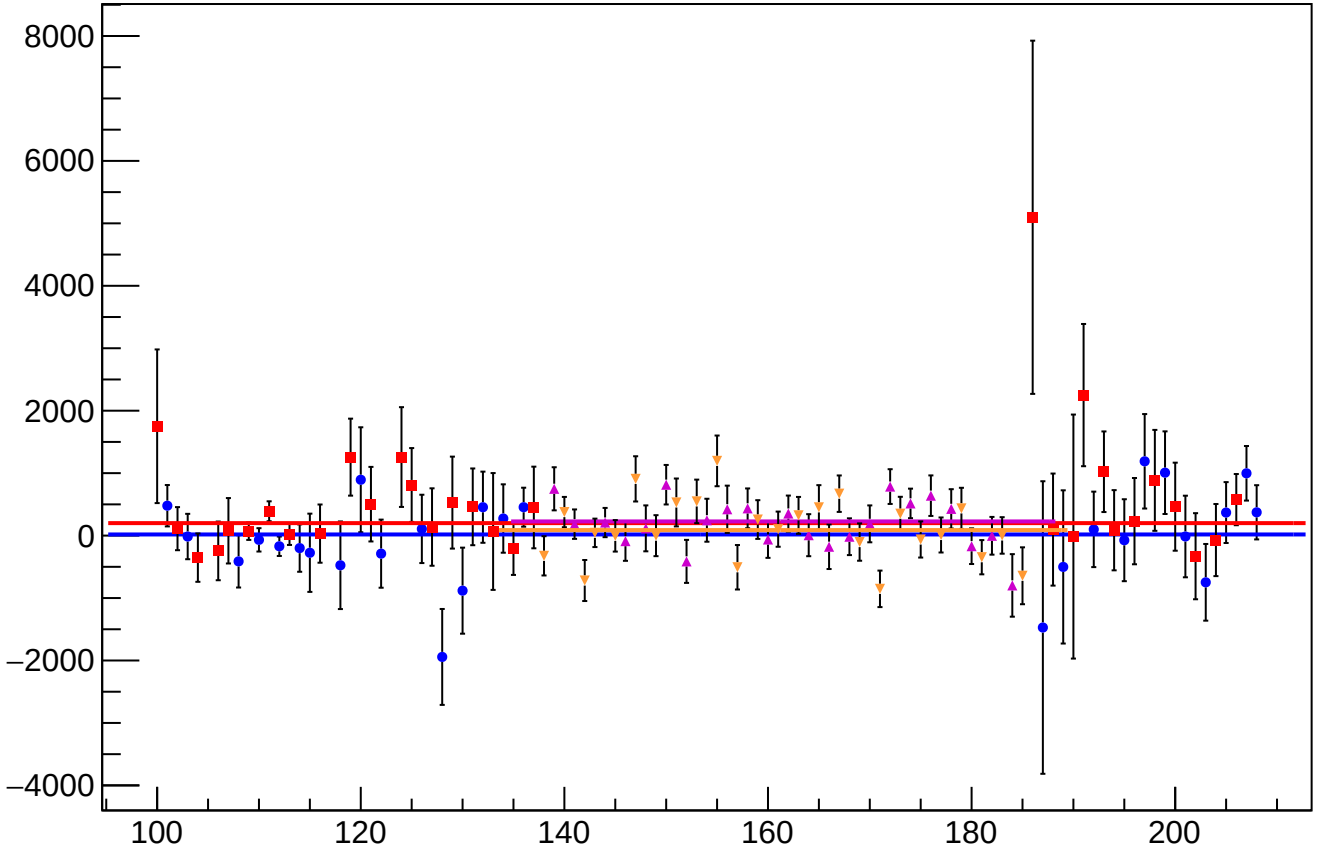
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 251.525+/-0.033 χ^2/NDF: 12573781.7/51

All: 239.586+/-0.023 χ^2/NDF: 30259913.8/10

- sign 228.615+/-0.032 χ^2/NDF: 17438104.8/53

asym_sam8_mean vs Slug



Right In: 18.133+/-78.534 χ^2/NDF: 31.2/26

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 199.821+/-70.078 χ^2/NDF: 26.1/30

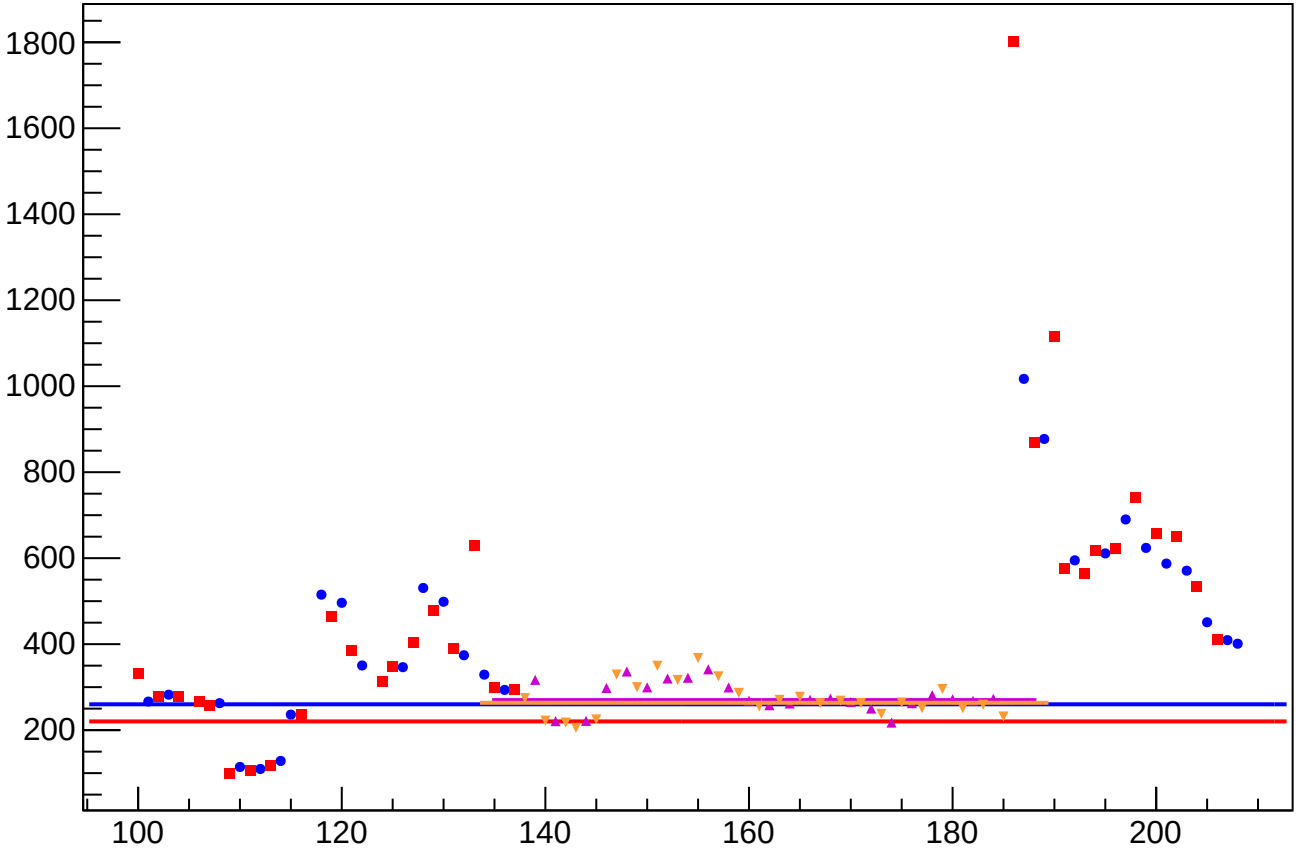
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 62.138+/-48.010 χ^2/NDF: 83.9/51

All: 139.801+/-33.632 χ^2/NDF: 144.0/105

- sign 214.636+/-47.127 χ^2/NDF: 55.0/53

asym_sam8_rms vs Slug



Right In: 260.092+/-0.056 χ^2/NDF: 9405390.9/26

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 220.282+/-0.050 χ^2/NDF: 12766317.3/30

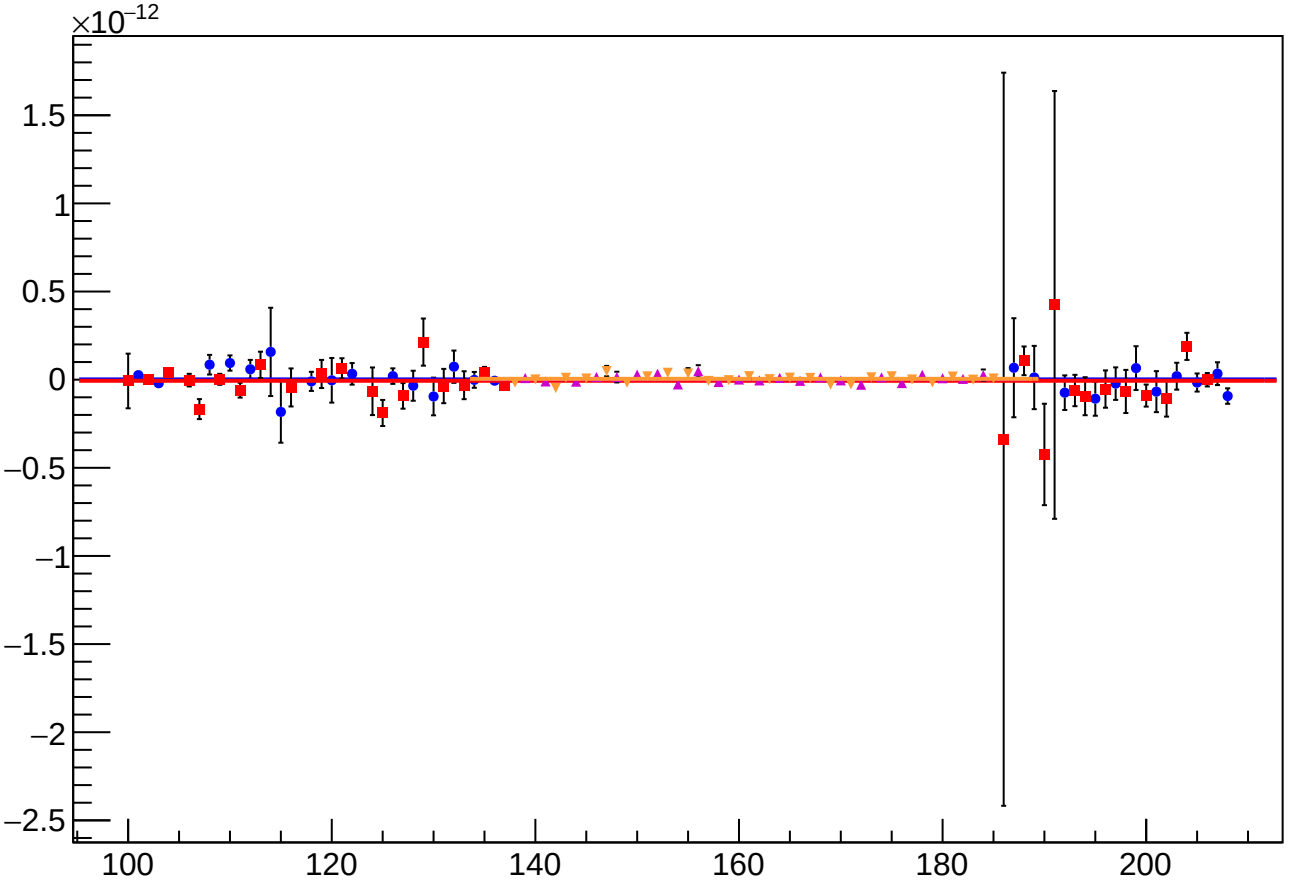
Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 262.285+/-0.034 χ^2/NDF: 10187733.0/51

All: 254.734+/-0.024 χ^2/NDF: 24202547.0/10

- sign 247.459+/-0.033 χ^2/NDF: 13917689.7/53

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

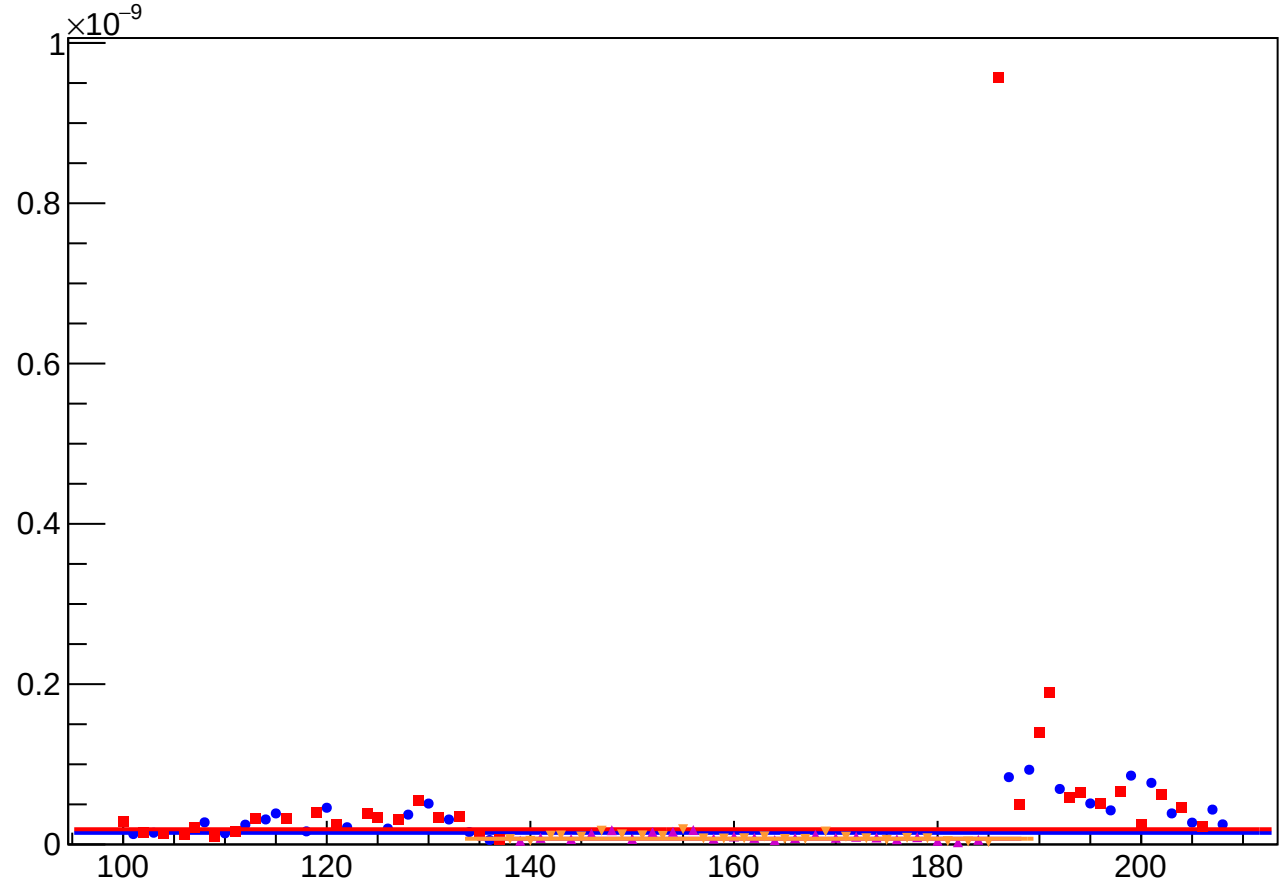
Right Out: -0.000+/-0.000 χ^2/NDF: 45.4/30

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.8/51

All: 0.000+/-0.000 χ^2/NDF: 117.9/105

- sign 0.000+/-0.000 χ^2/NDF: 67.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 5765126.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

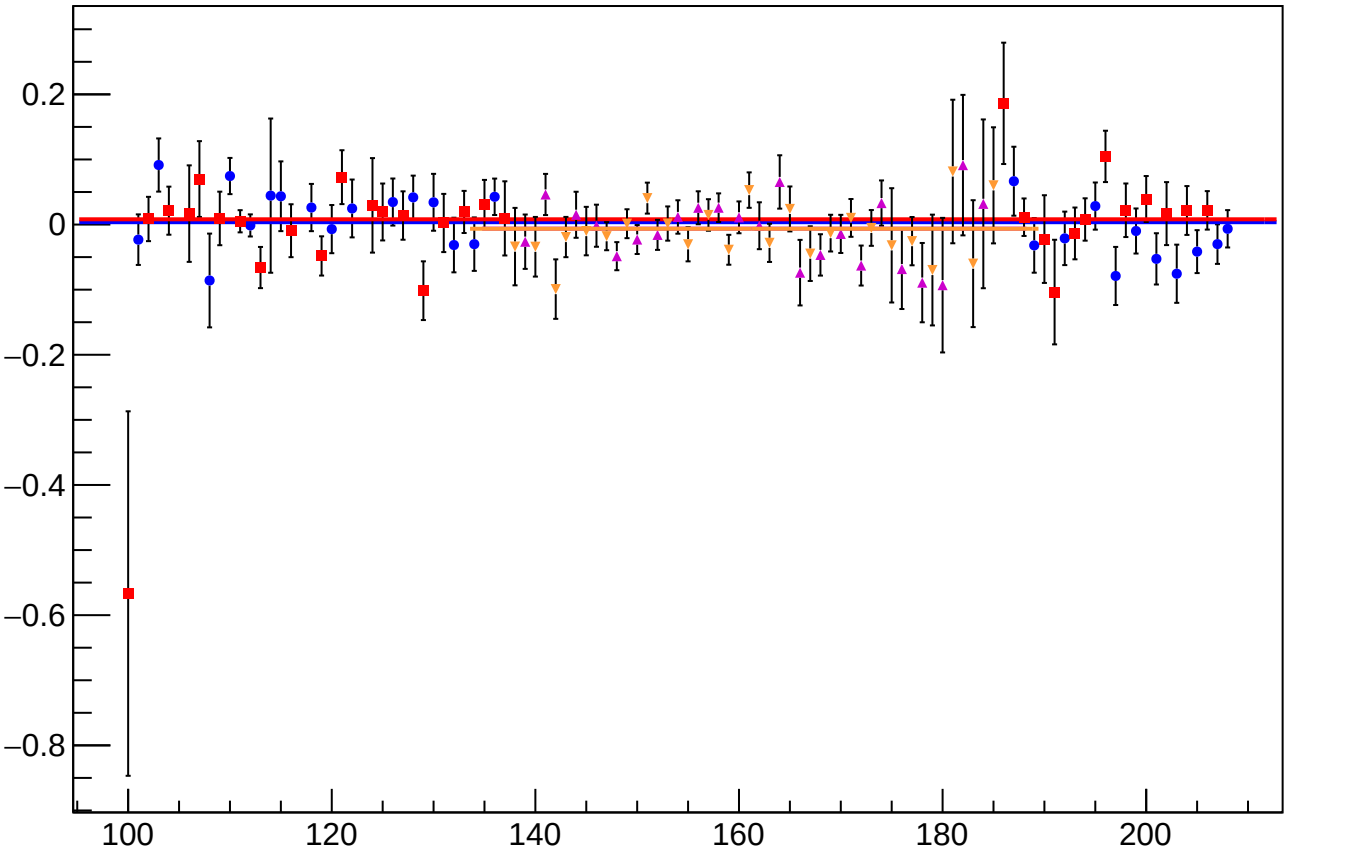
Right Out: 0.000+/-0.000 χ^2/NDF: 4615592.3/30

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9268285.1/51

All: 0.000+/-0.000 χ^2/NDF: 18832967.0/105

- sign 0.000+/-0.000 χ^2/NDF: 9560563.1/53



Right In: 0.004+/-0.007 χ^2/NDF: 35.4/26

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.008+/-0.007 χ^2/NDF: 37.1/30

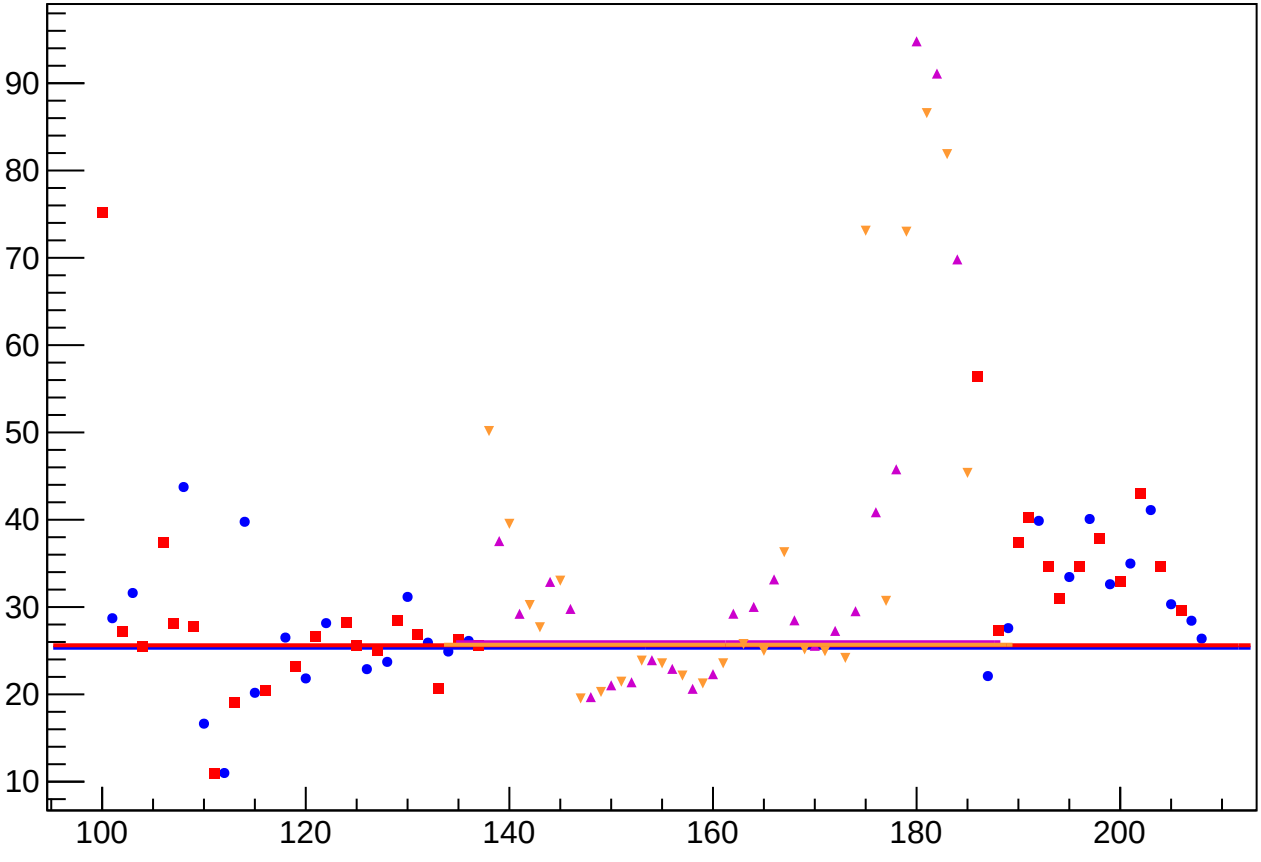
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.002+/-0.005 χ^2/NDF: 59.1/51

All: -0.001+/-0.003 χ^2/NDF: 127.1/105

- sign 0.001+/-0.005 χ^2/NDF: 67.8/53

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 25.342+/-0.005 χ^2/NDF: 3051684.8/26

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

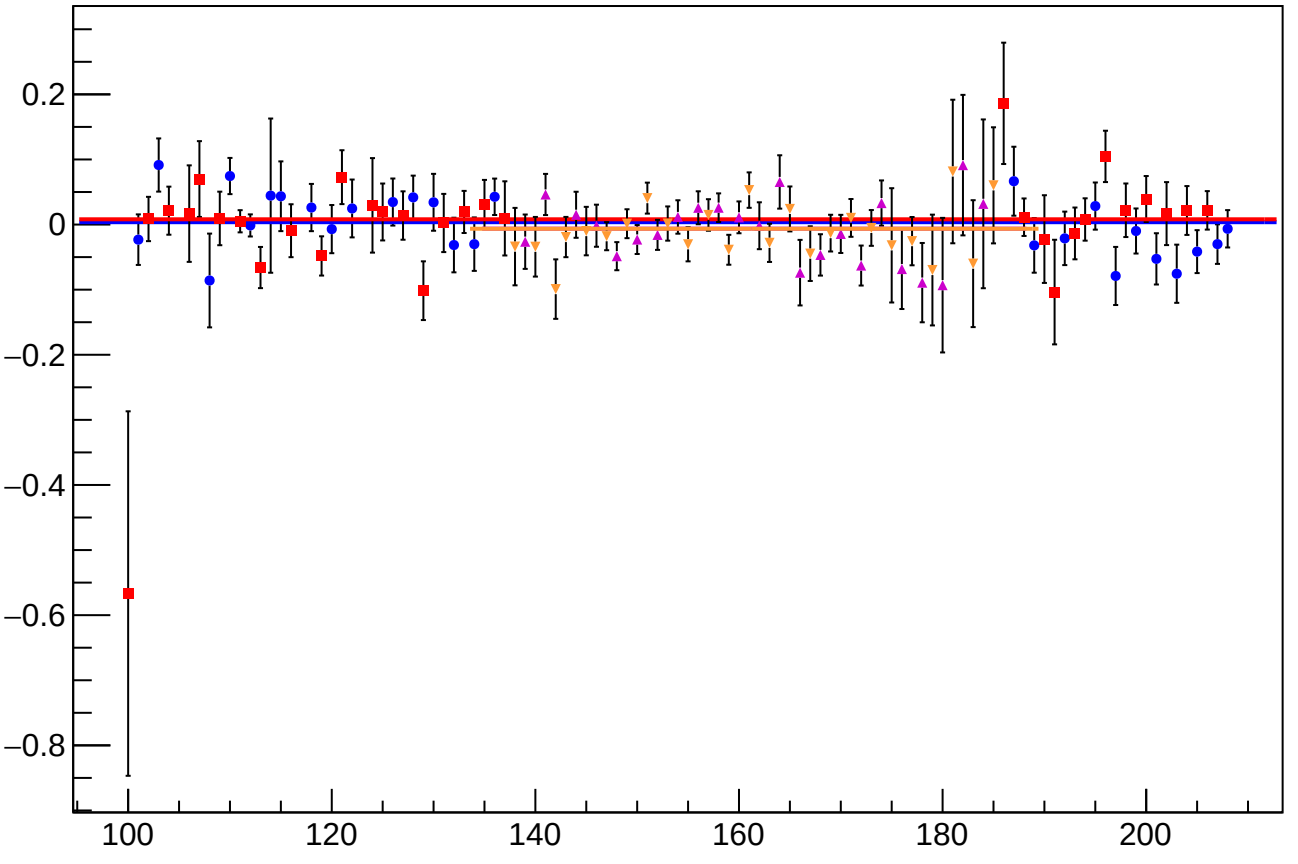
Right Out: 25.622+/-0.005 χ^2/NDF: 3094610.1/30

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

\+ sign 25.526+/-0.003 χ^2/NDF: 6925891.8/51

All: 25.662+/-0.002 χ^2/NDF: 13144968.3/105

\- sign 25.802+/-0.003 χ^2/NDF: 6215642.5/53



Right In: 0.004+/-0.007 χ^2/NDF: 35.4/26

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.008+/-0.007 χ^2/NDF: 37.1/30

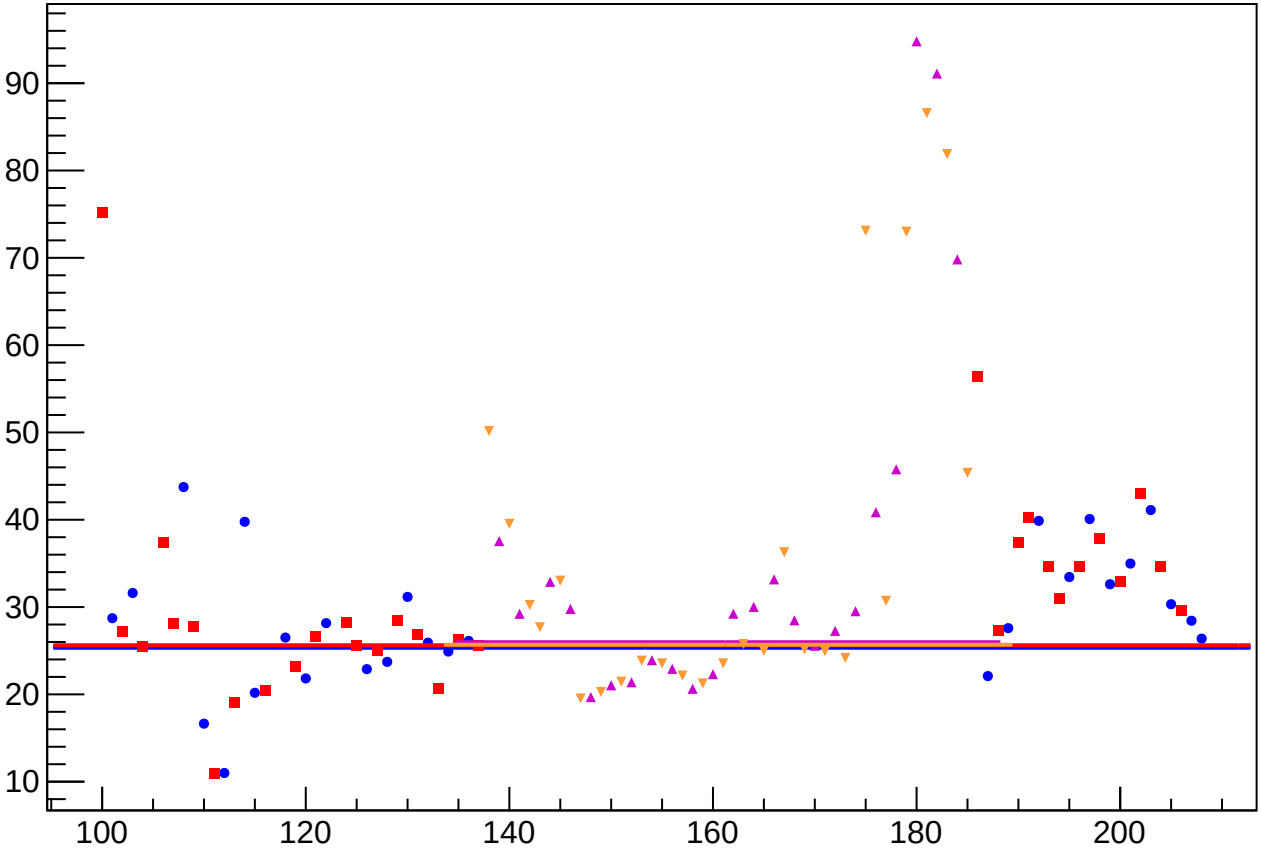
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.002+/-0.005 χ^2/NDF: 59.1/51

All: -0.001+/-0.003 χ^2/NDF: 127.1/105

- sign 0.001+/-0.005 χ^2/NDF: 67.8/53

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.342+/-0.005 χ^2/NDF: 3051684.8/26

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

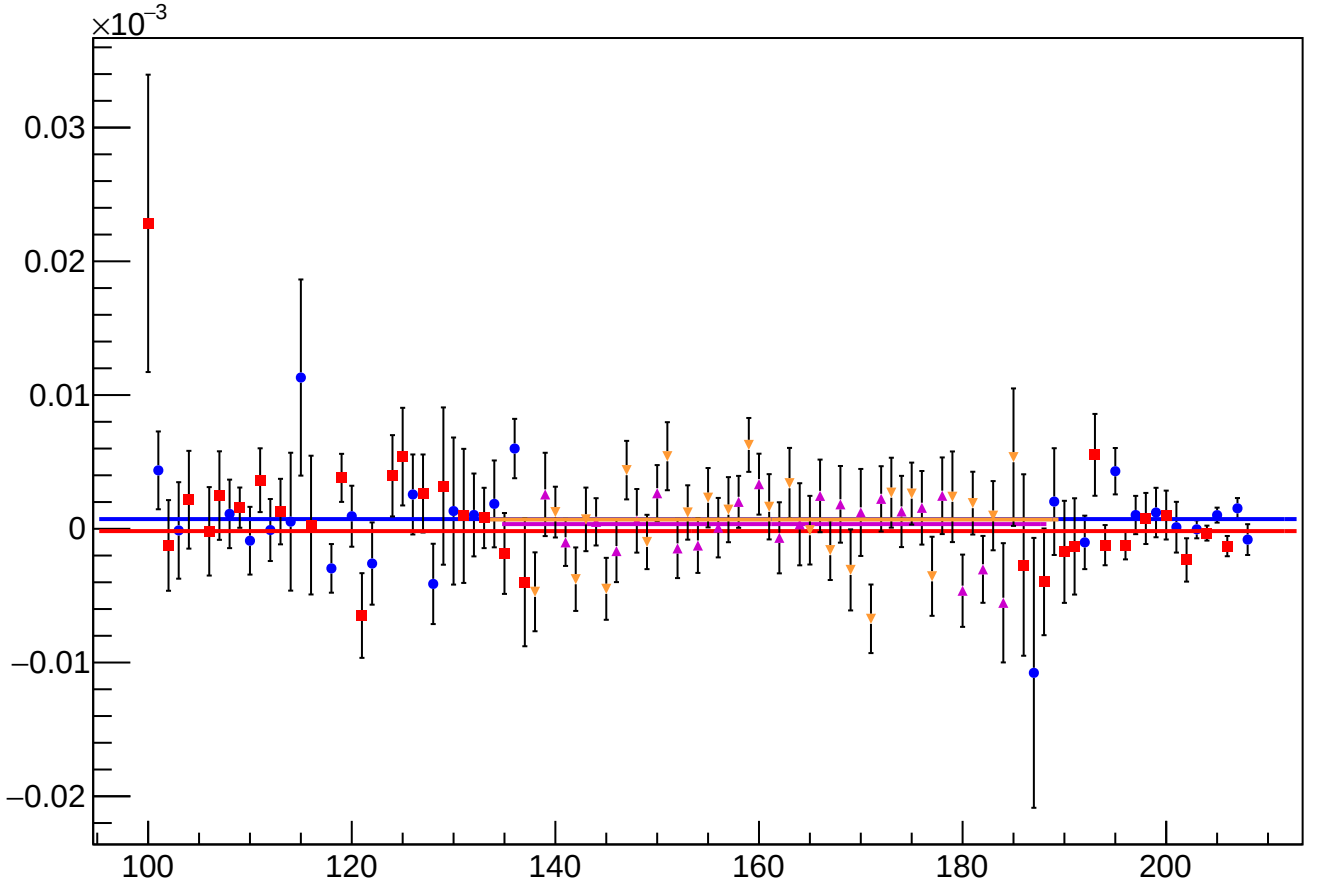
Right Out: 25.622+/-0.005 χ^2/NDF: 3094610.1/30

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

\+ sign 25.526+/-0.003 χ^2/NDF: 6925891.8/51

All: 25.662+/-0.002 χ^2/NDF: 13144968.3/105

\- sign 25.802+/-0.003 χ^2/NDF: 6215642.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 29.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/30

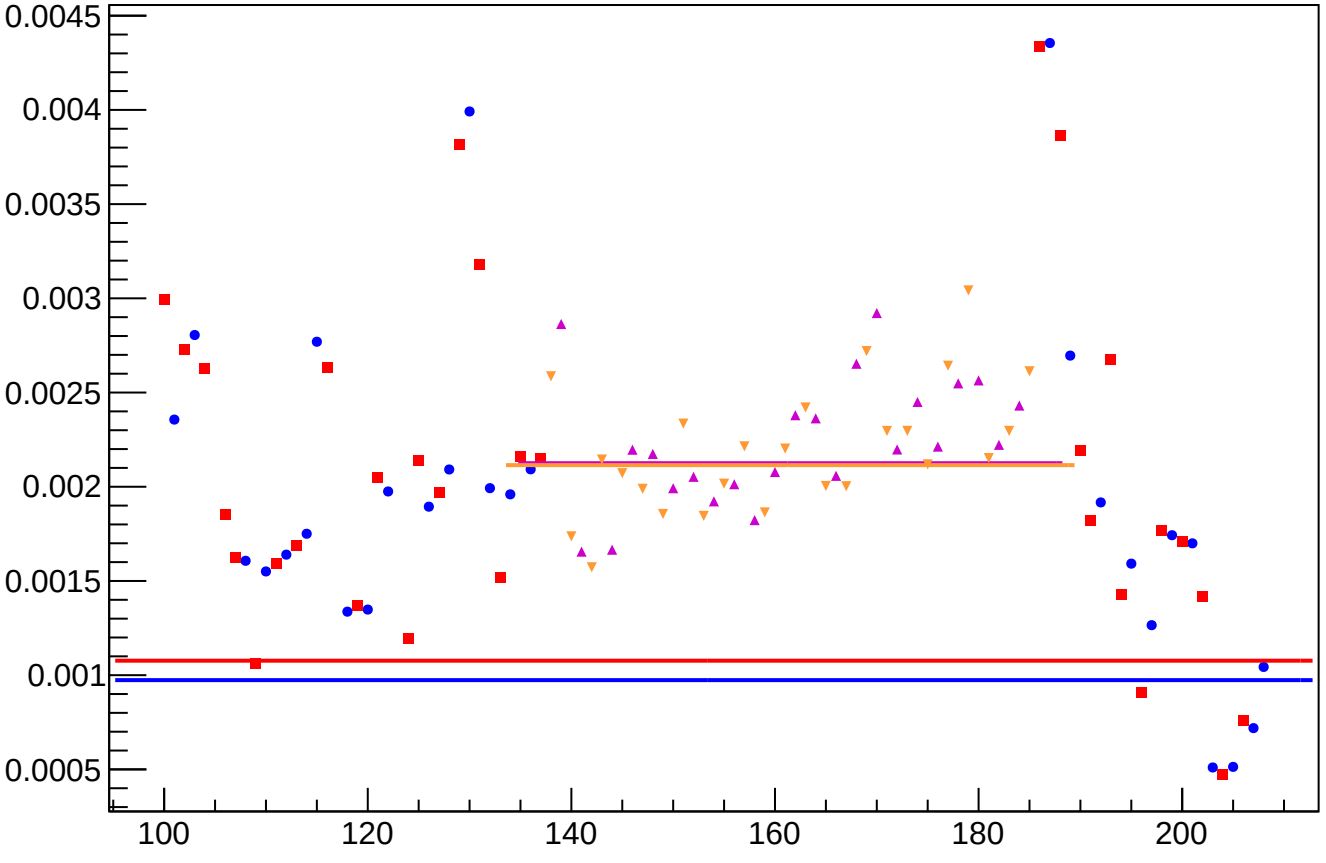
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.7/51

All: 0.000+/-0.000 χ^2/NDF: 131.2/105

- sign -0.000+/-0.000 χ^2/NDF: 53.4/53

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8392640.5/26

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

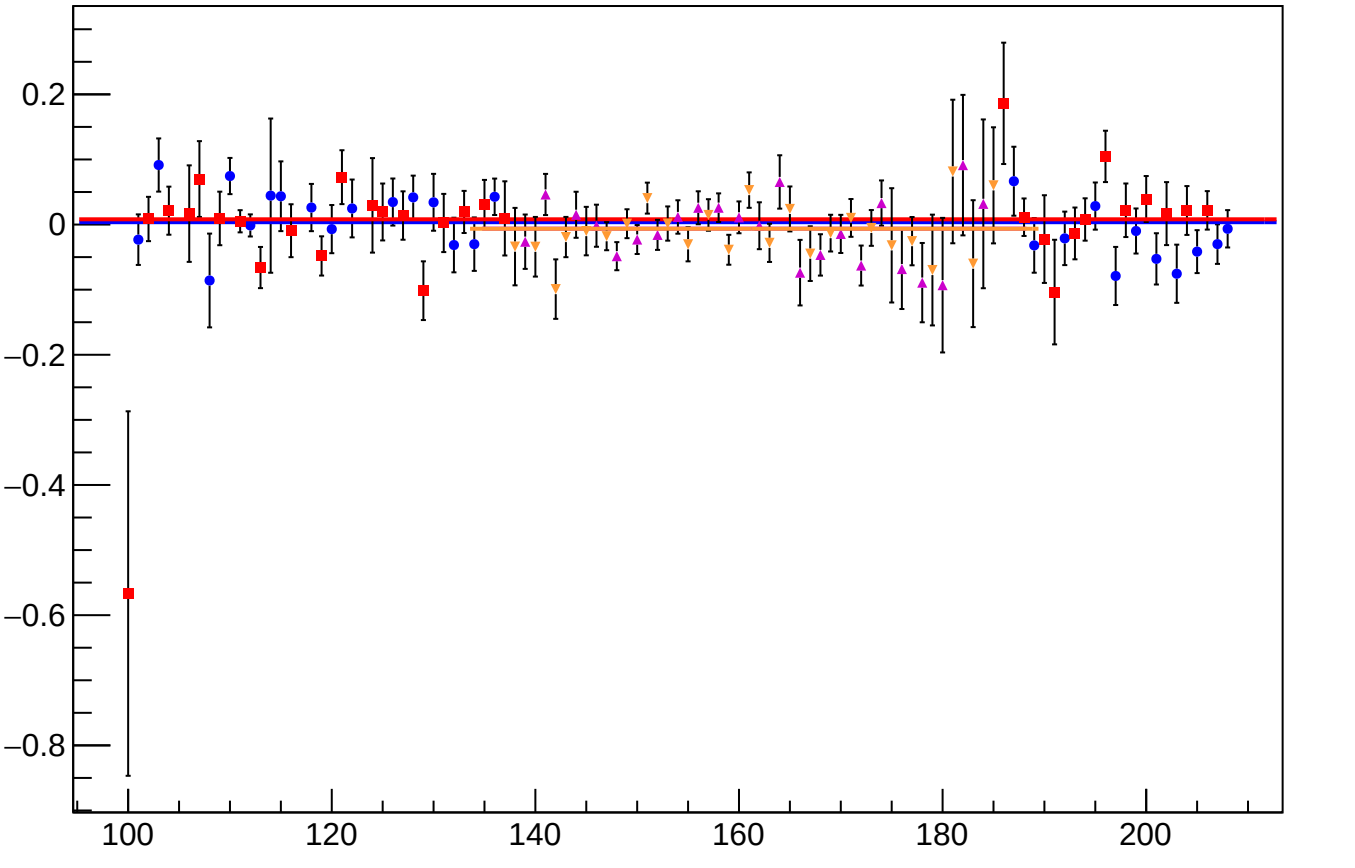
Right Out: 0.001+/-0.000 χ^2/NDF: 8974585.8/30

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 17195010.2/51

All: 0.001+/-0.000 χ^2/NDF: 33342127.8/105

- sign 0.001+/-0.000 χ^2/NDF: 16010850.0/53



Right In: 0.004+/-0.007 χ^2/NDF: 35.4/26

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.008+/-0.007 χ^2/NDF: 37.1/30

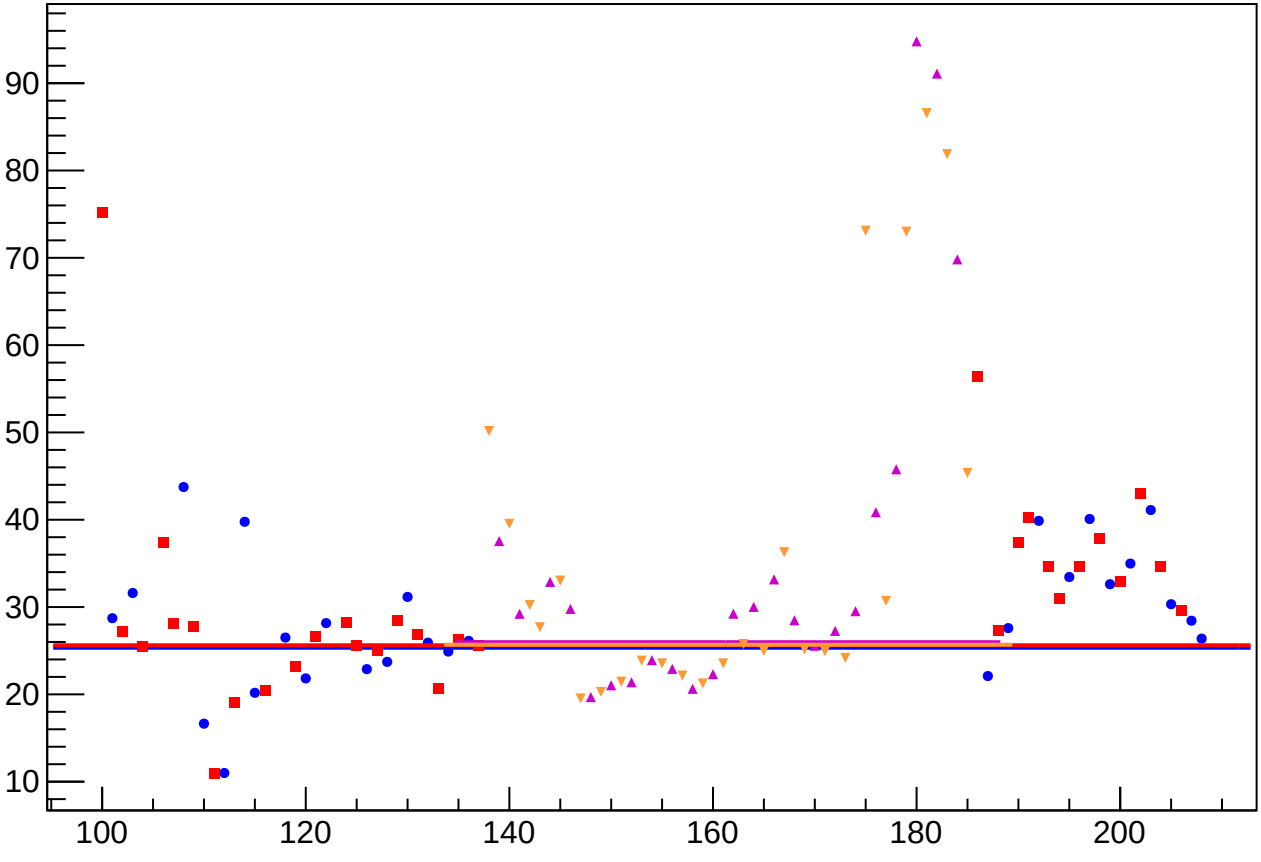
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.002+/-0.005 χ^2/NDF: 59.1/51

All: -0.001+/-0.003 χ^2/NDF: 127.1/105

- sign 0.001+/-0.005 χ^2/NDF: 67.8/53

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.342+/-0.005 χ^2/NDF: 3051964.9/26

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

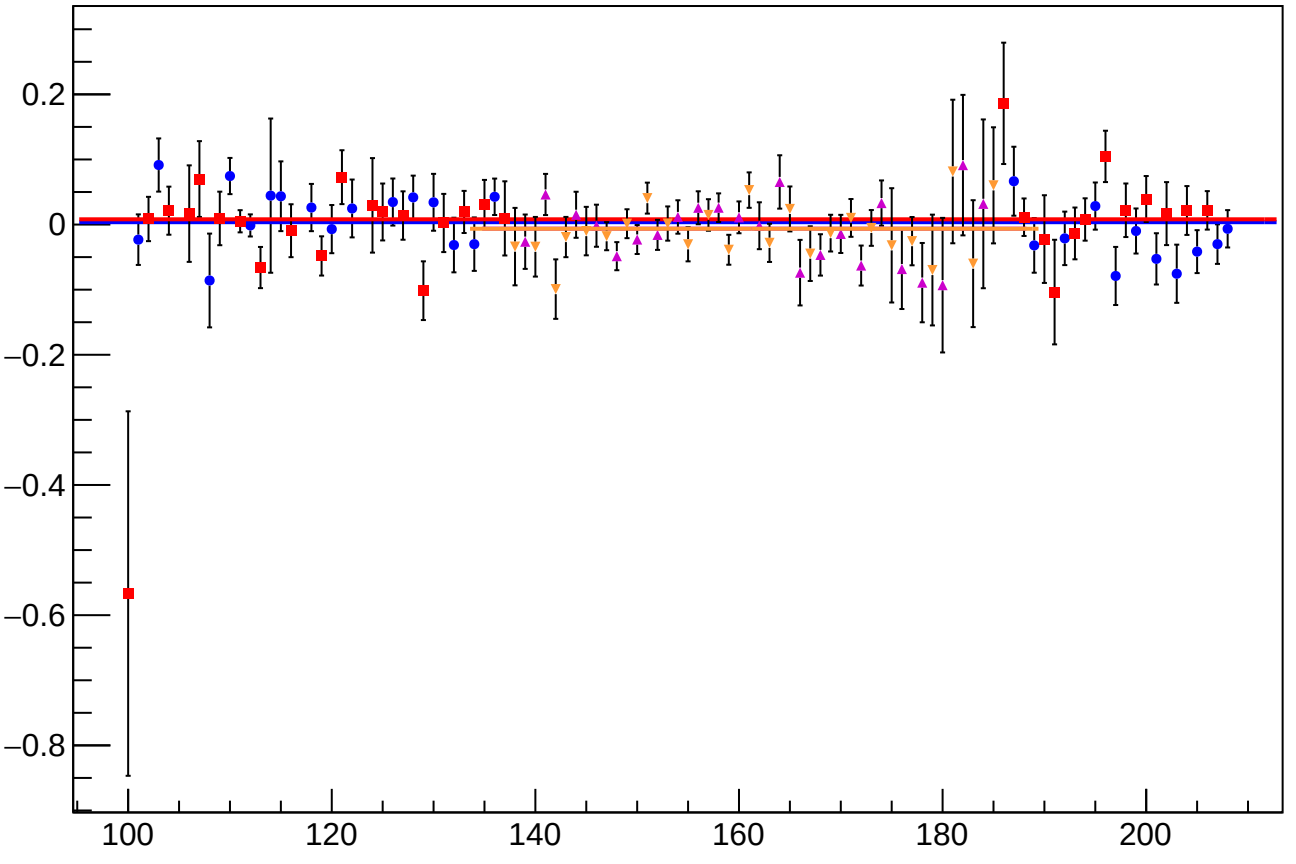
Right Out: 25.621+/-0.005 χ^2/NDF: 3094896.6/30

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

\+ sign 25.526+/-0.003 χ^2/NDF: 6926184.2/51

All: 25.661+/-0.002 χ^2/NDF: 13145536.7/105

\- sign 25.802+/-0.003 χ^2/NDF: 6215919.8/53



Right In: 0.004+/-0.007 χ^2/NDF: 35.4/26

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.008+/-0.007 χ^2/NDF: 37.1/30

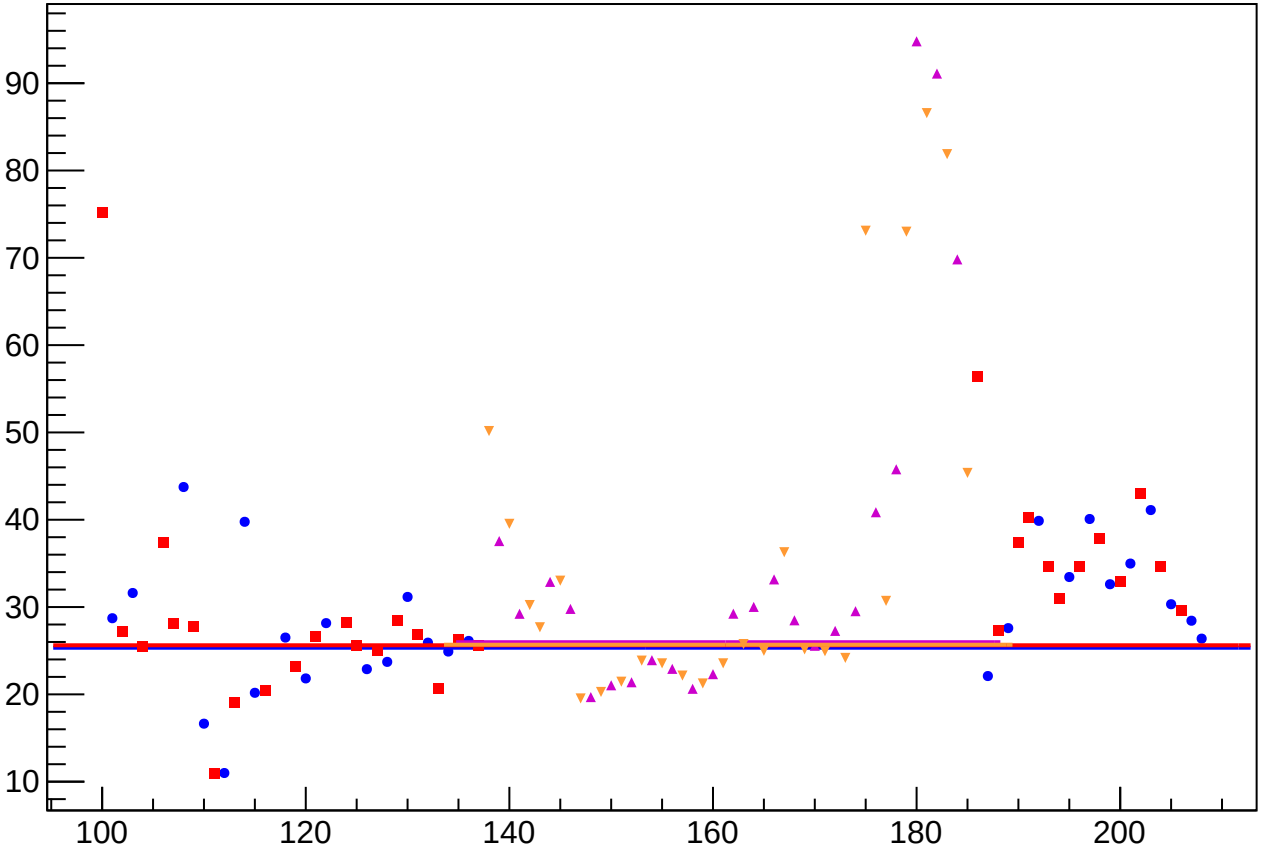
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.002+/-0.005 χ^2/NDF: 59.1/51

All: -0.001+/-0.003 χ^2/NDF: 127.1/105

- sign 0.001+/-0.005 χ^2/NDF: 67.8/53

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.342+/-0.005 χ^2/NDF: 3051964.9/26

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

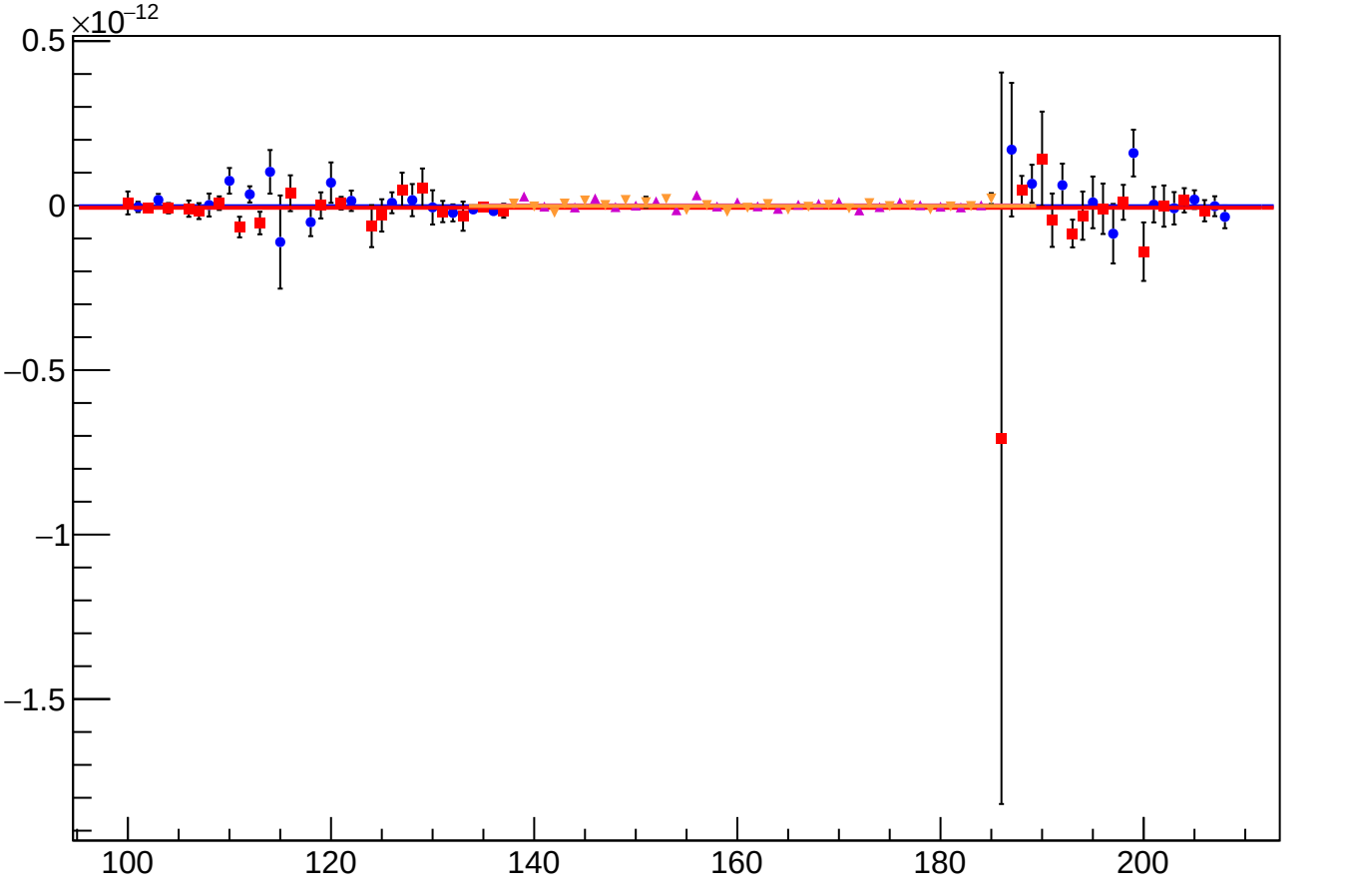
Right Out: 25.621+/-0.005 χ^2/NDF: 3094896.6/30

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.526+/-0.003 χ^2/NDF: 6926184.2/51

All: 25.661+/-0.002 χ^2/NDF: 13145536.7/105

- sign 25.802+/-0.003 χ^2/NDF: 6215919.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

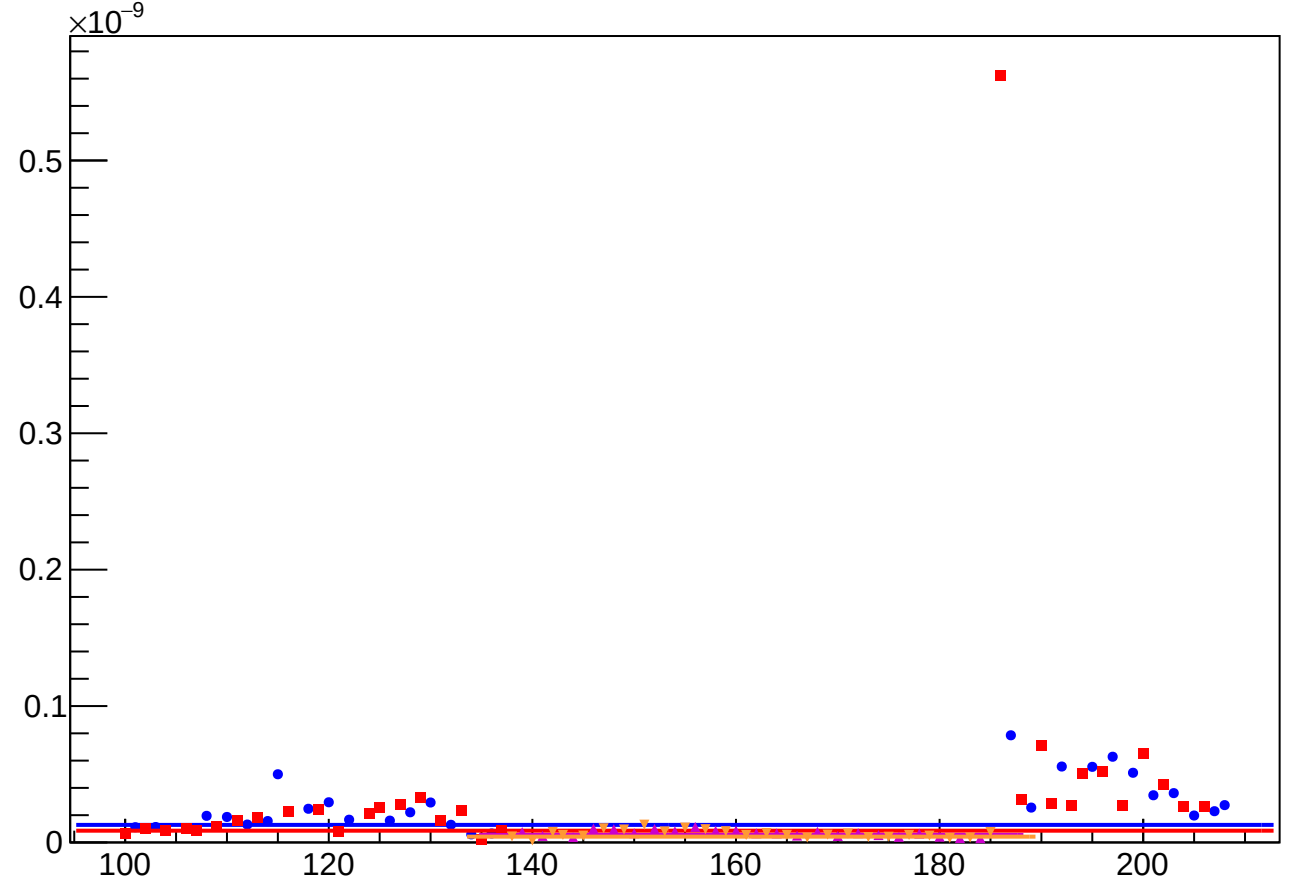
Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/30

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.6/51

All: -0.000+/-0.000 χ^2/NDF: 109.6/105

- sign -0.000+/-0.000 χ^2/NDF: 52.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 6776958.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10291988.1/30

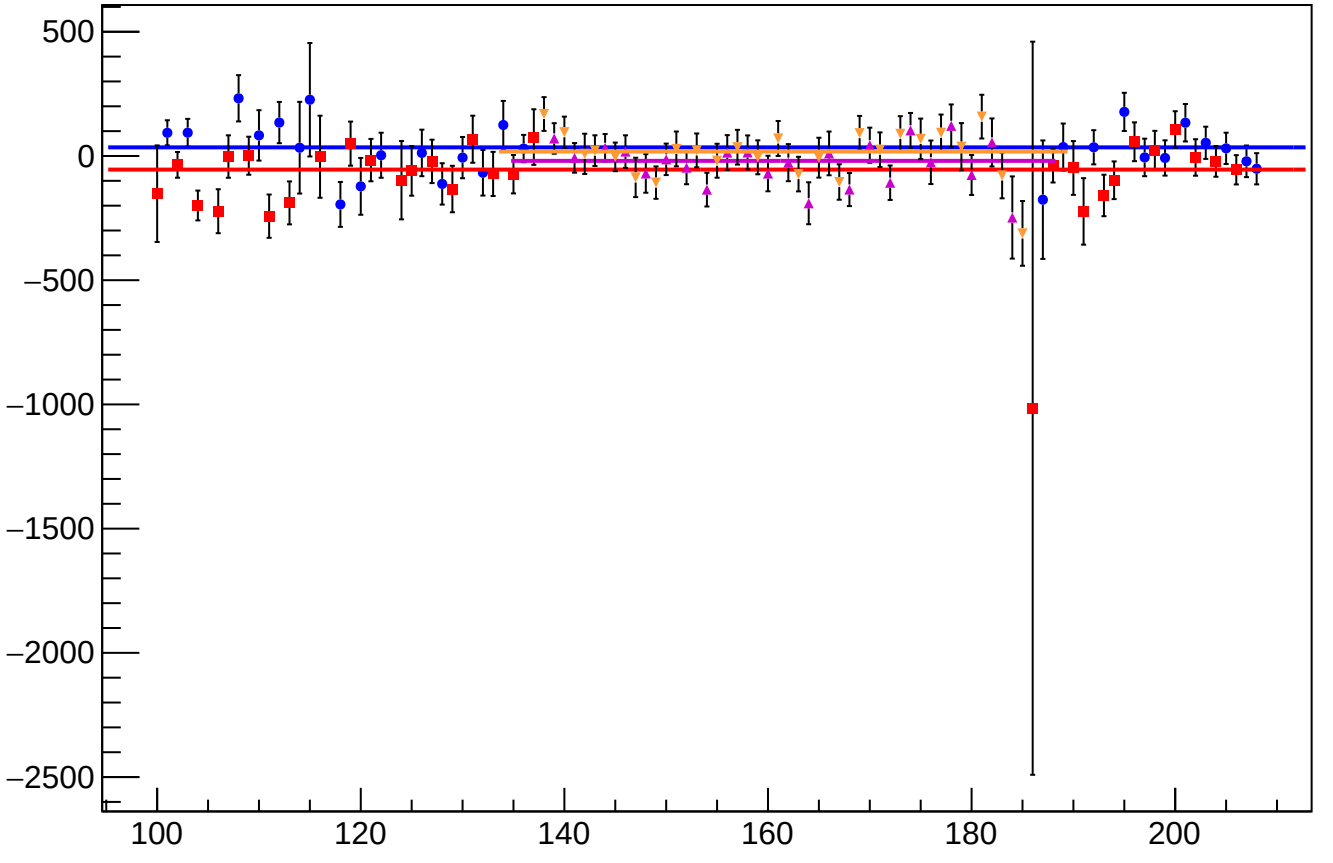
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17443682.5/51

All: 0.000+/-0.000 χ^2/NDF: 32053423.2/105

- sign 0.000+/-0.000 χ^2/NDF: 14094316.4/53

reg_asym_sam_15_avg_mean vs Slug



Right In: 34.694+/-14.993 χ^2/NDF: 32.7/26

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -54.779+/-14.938 χ^2/NDF: 36.0/30

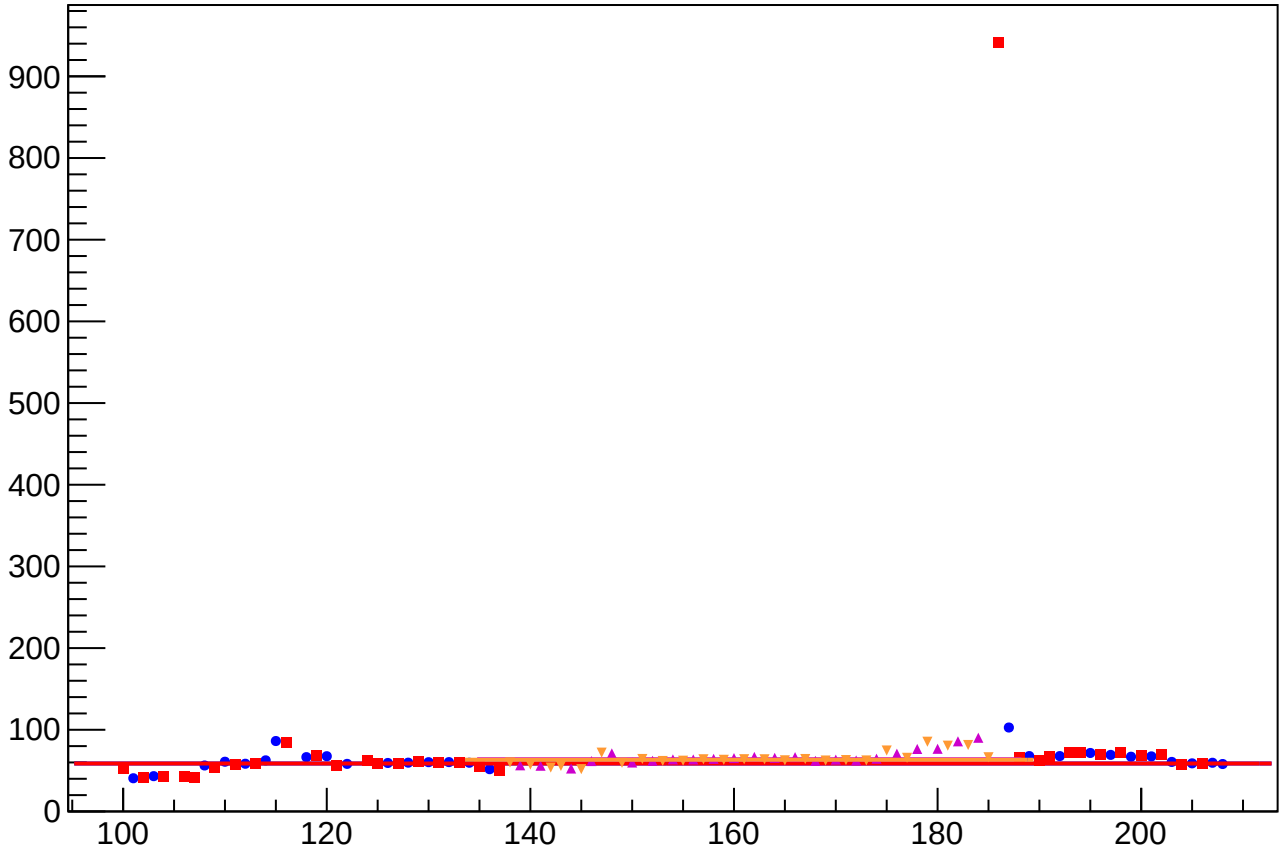
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 25.962+/-10.421 χ^2/NDF: 64.9/51

All: -5.149+/-7.431 χ^2/NDF: 148.1/105

- sign -37.330+/-10.599 χ^2/NDF: 65.0/53

reg_asym_sam_15_avg_rms vs Slug



Right In: 58.704+/-0.011 χ^2/NDF: 777049.2/26

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.703+/-0.011 χ^2/NDF: 1647781.2/30

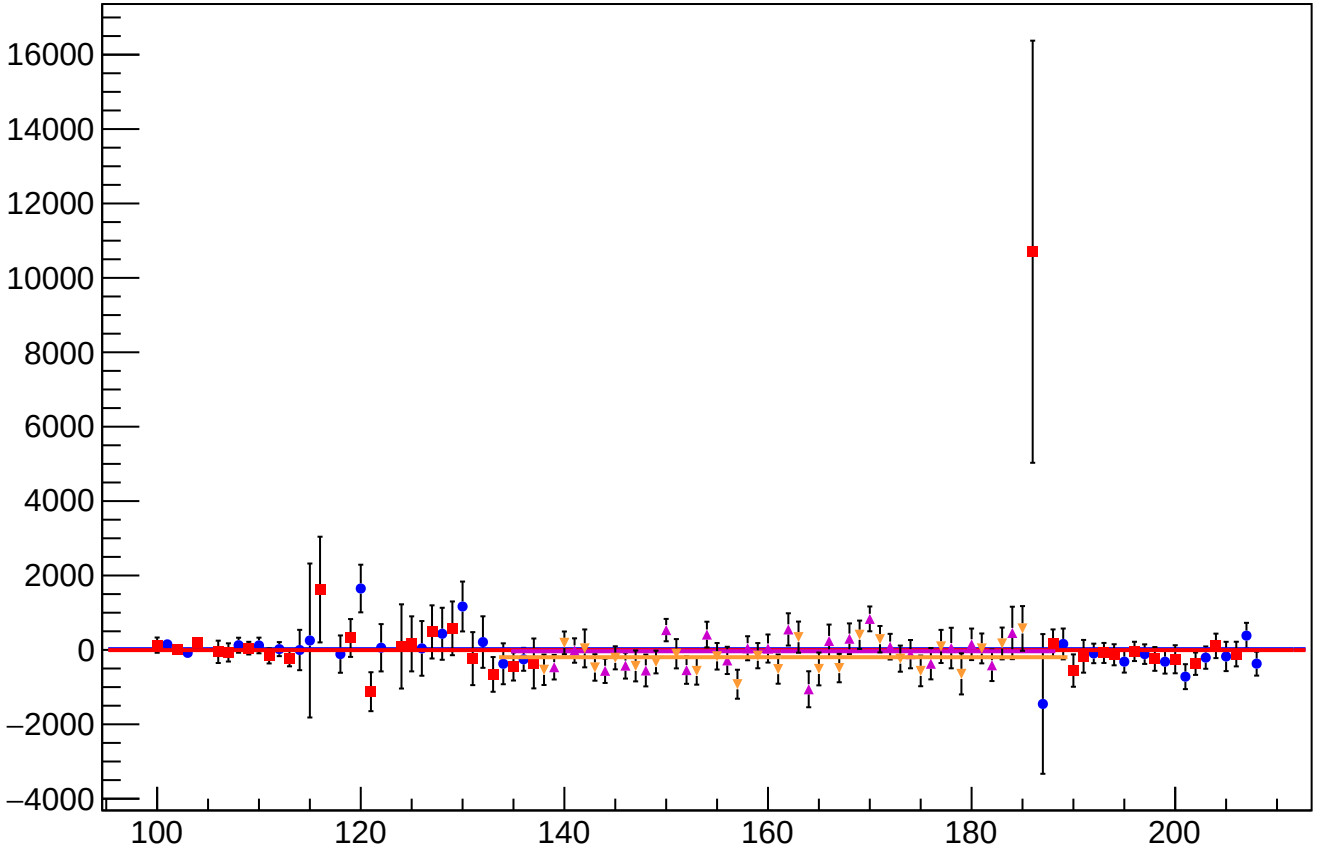
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.086+/-0.007 χ^2/NDF: 1372159.1/51

All: 61.187+/-0.005 χ^2/NDF: 3586713.4/105

- sign 61.293+/-0.007 χ^2/NDF: 2214167.1/53

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 19.533+/-42.111 χ^2/NDF: 28.6/26

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -5.530+/-44.696 χ^2/NDF: 27.0/30

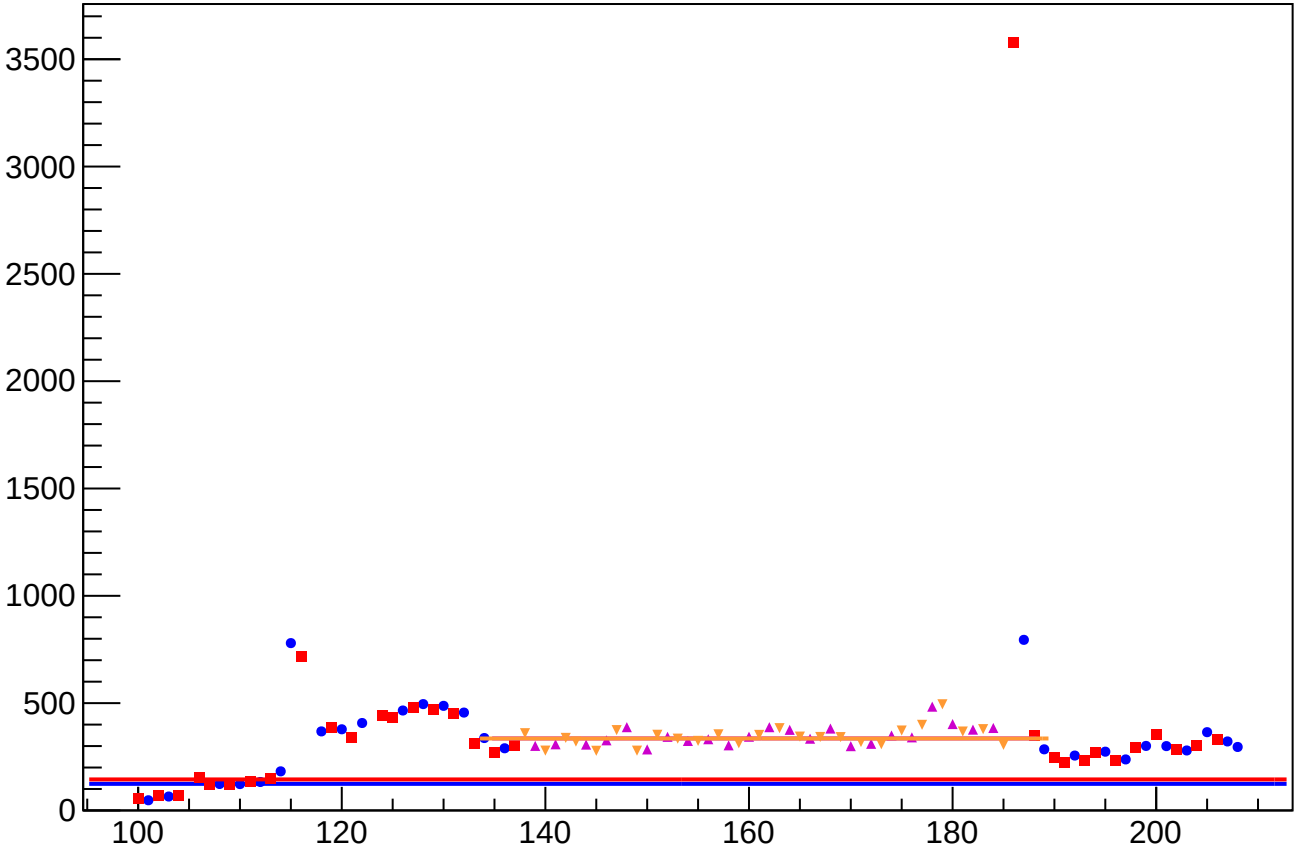
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

\+ sign -29.990+/-36.956 χ^2/NDF: 55.2/51

All: -21.931+/-26.802 χ^2/NDF: 113.4/105

\- sign -12.990+/-38.927 χ^2/NDF: 58.2/53

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 123.930+/-0.030 χ^2/NDF: 13434629.8/26

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 144.562+/-0.032 χ^2/NDF: 11336078.6/30

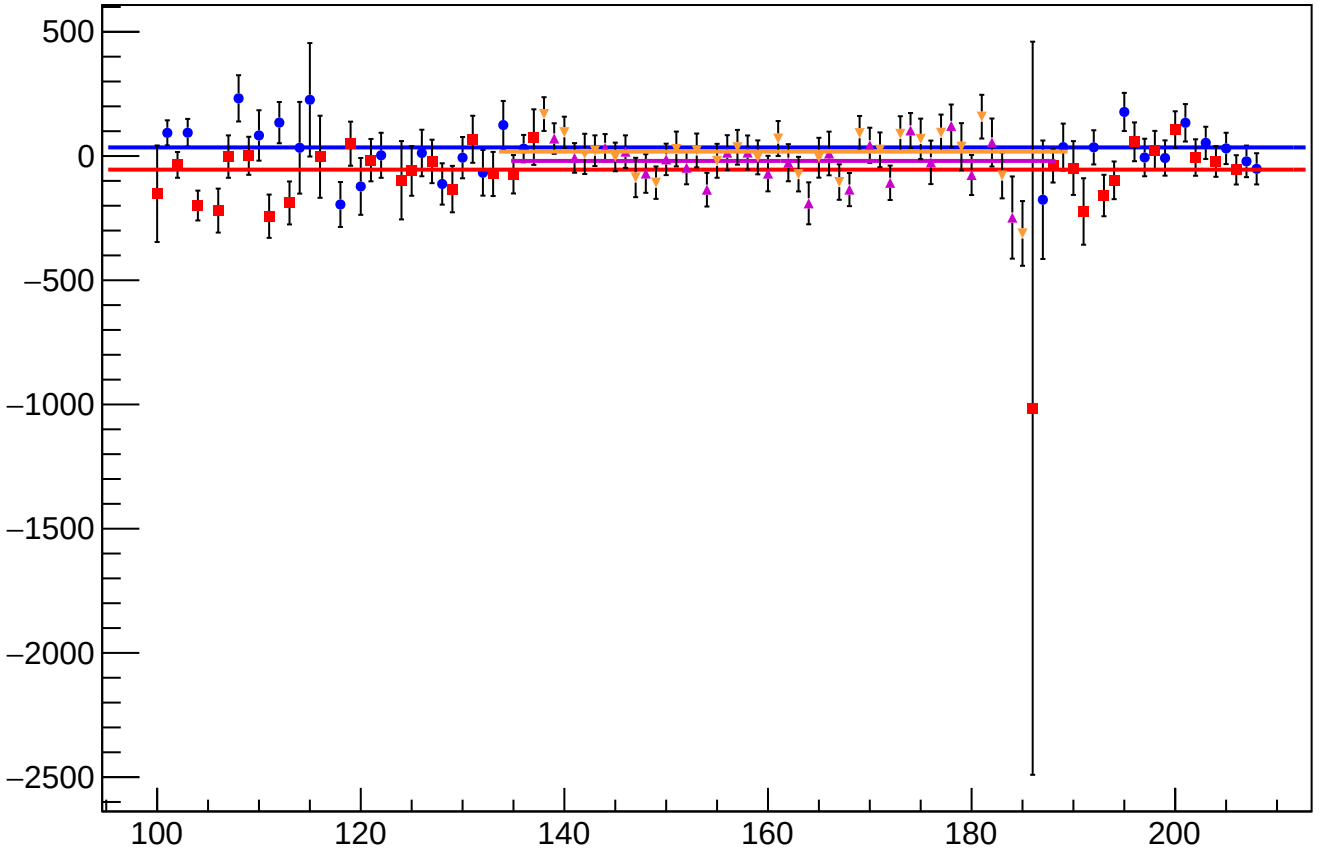
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 172.502+/-0.026 χ^2/NDF: 25575817.2/51

All: 181.120+/-0.019 χ^2/NDF: 46453571.5/10

- sign 190.682+/-0.028 χ^2/NDF: 20648311.7/53

cor_asym_sam_15_avg_mean vs Slug



Right In: 34.701+/-14.993 χ^2/NDF: 32.7/26

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -54.702+/-14.939 χ^2/NDF: 35.9/30

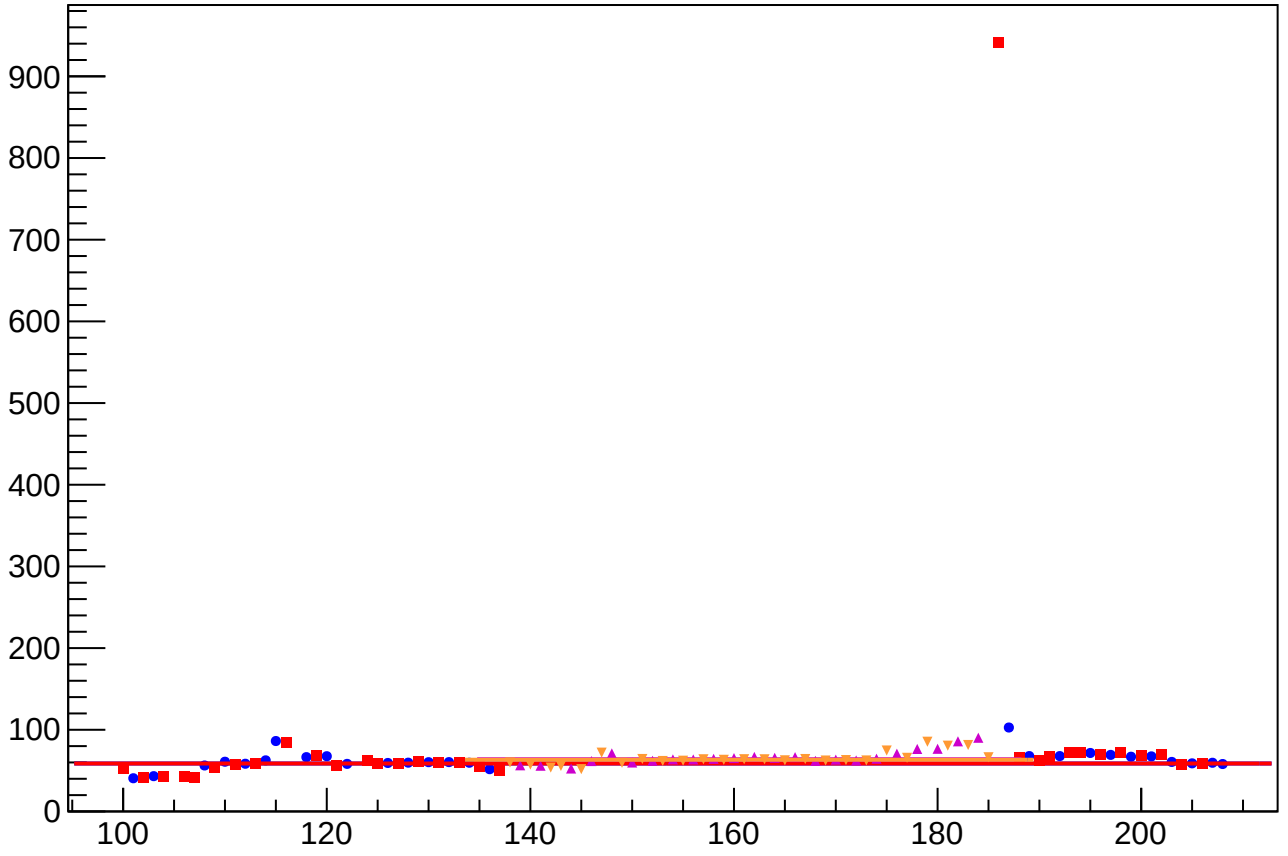
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 25.967+/-10.421 χ^2/NDF: 64.9/51

All: -5.127+/-7.431 χ^2/NDF: 147.9/105

- sign -37.291+/-10.599 χ^2/NDF: 64.9/53

cor_asym_sam_15_avg_rms vs Slug



Right In: 58.704+/-0.011 χ^2/NDF: 777048.2/26

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.702+/-0.011 χ^2/NDF: 1648197.5/30

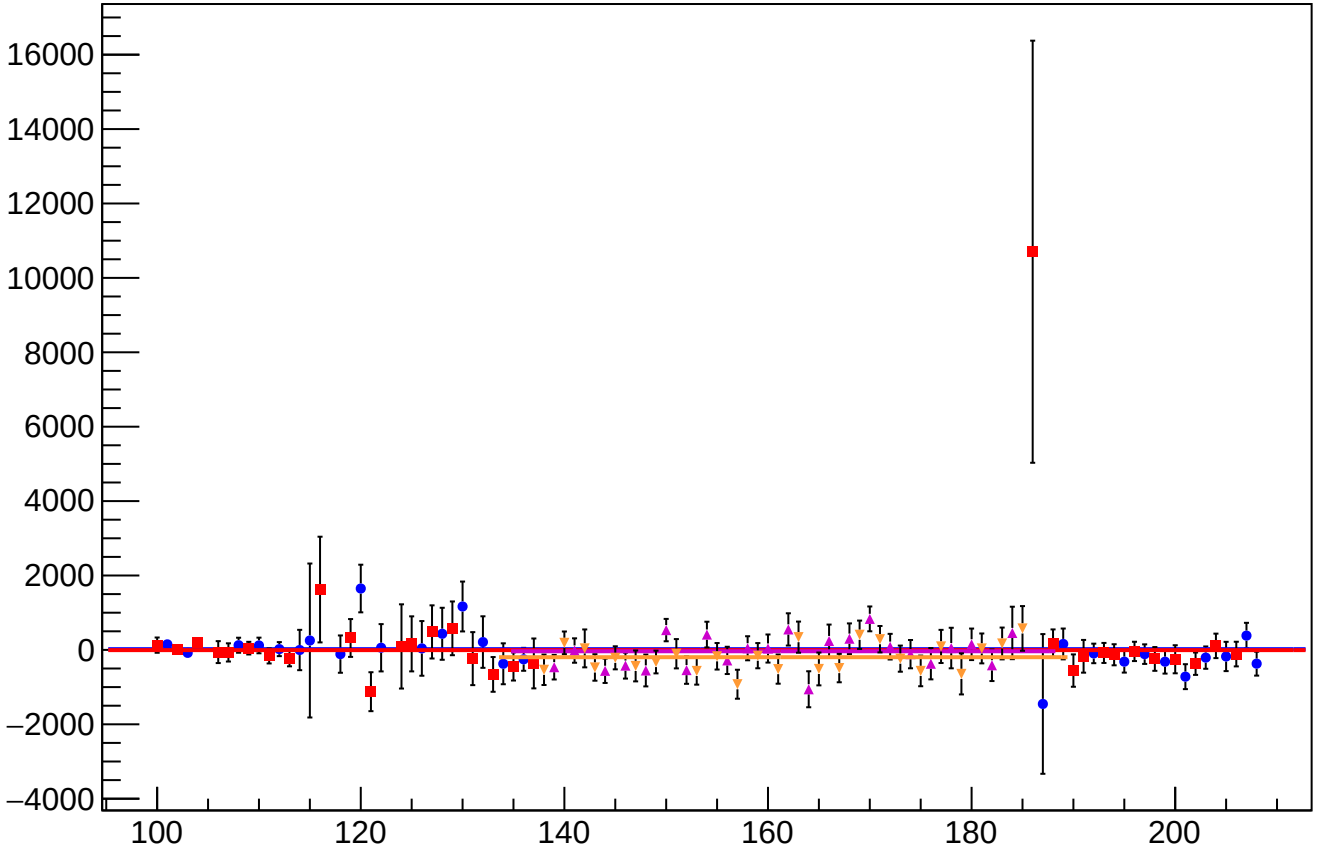
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.086+/-0.007 χ^2/NDF: 1372158.0/51

All: 61.187+/-0.005 χ^2/NDF: 3587160.4/105

\- sign 61.292+/-0.007 χ^2/NDF: 2214616.4/53

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 19.538+/-42.110 χ^2/NDF: 28.6/26

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -5.836+/-44.666 χ^2/NDF: 27.0/30

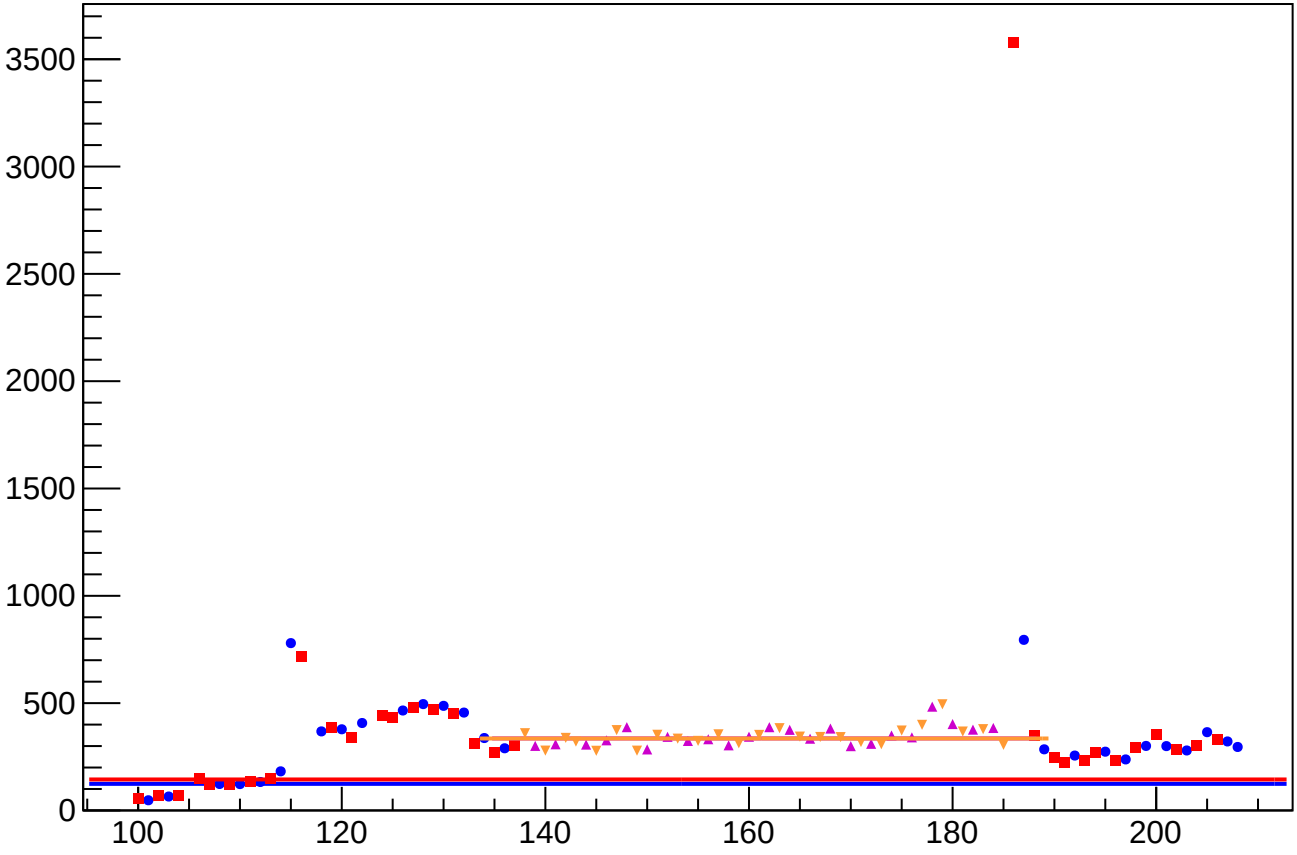
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -29.984+/-36.956 χ^2/NDF: 55.2/51

All: -22.030+/-26.795 χ^2/NDF: 113.4/105

- sign -13.214+/-38.907 χ^2/NDF: 58.2/53

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 123.927+/-0.030 χ^2/NDF: 13434931.8/26

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 144.372+/-0.032 χ^2/NDF: 11340075.4/30

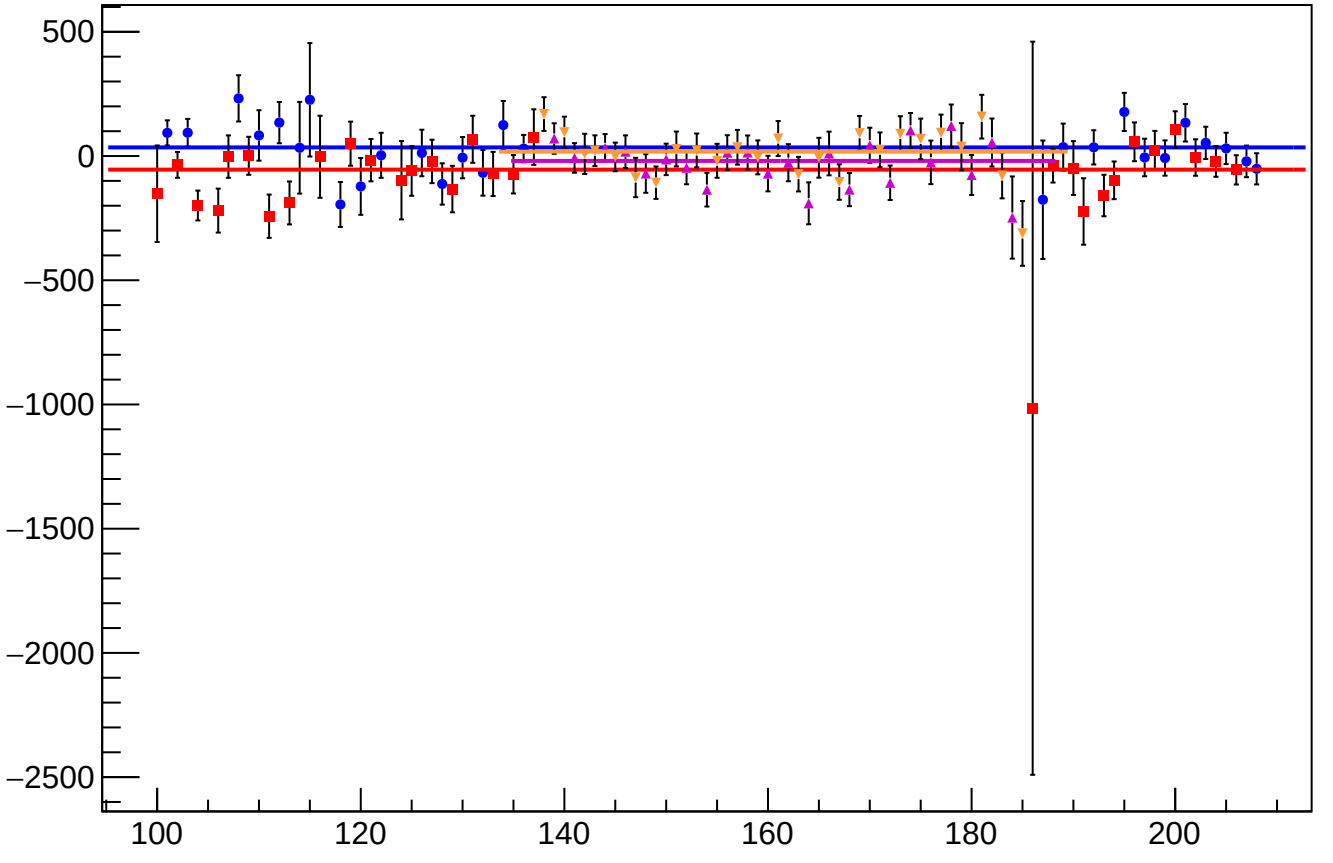
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 172.498+/-0.026 χ^2/NDF: 25576587.4/51

All: 181.032+/-0.019 χ^2/NDF: 46474156.8/10

- sign 190.491+/-0.028 χ^2/NDF: 20672700.5/53

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 34.701+/-14.993 χ^2/NDF: 32.7/26

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -54.702+/-14.939 χ^2/NDF: 35.9/30

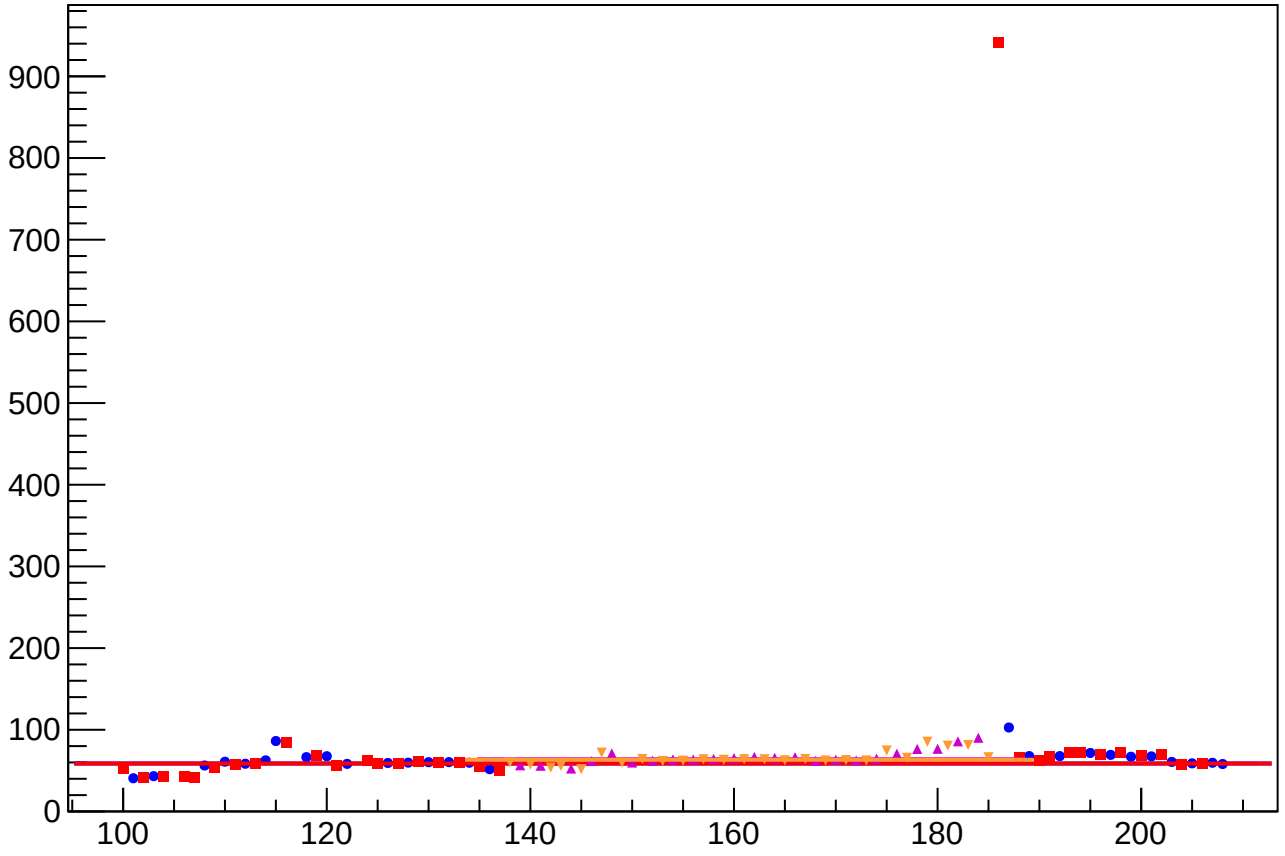
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 25.967+/-10.421 χ^2/NDF: 64.9/51

All: -5.127+/-7.431 χ^2/NDF: 147.9/105

- sign -37.291+/-10.599 χ^2/NDF: 64.9/53

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 58.704+/-0.011 χ^2/NDF: 777048.2/26

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

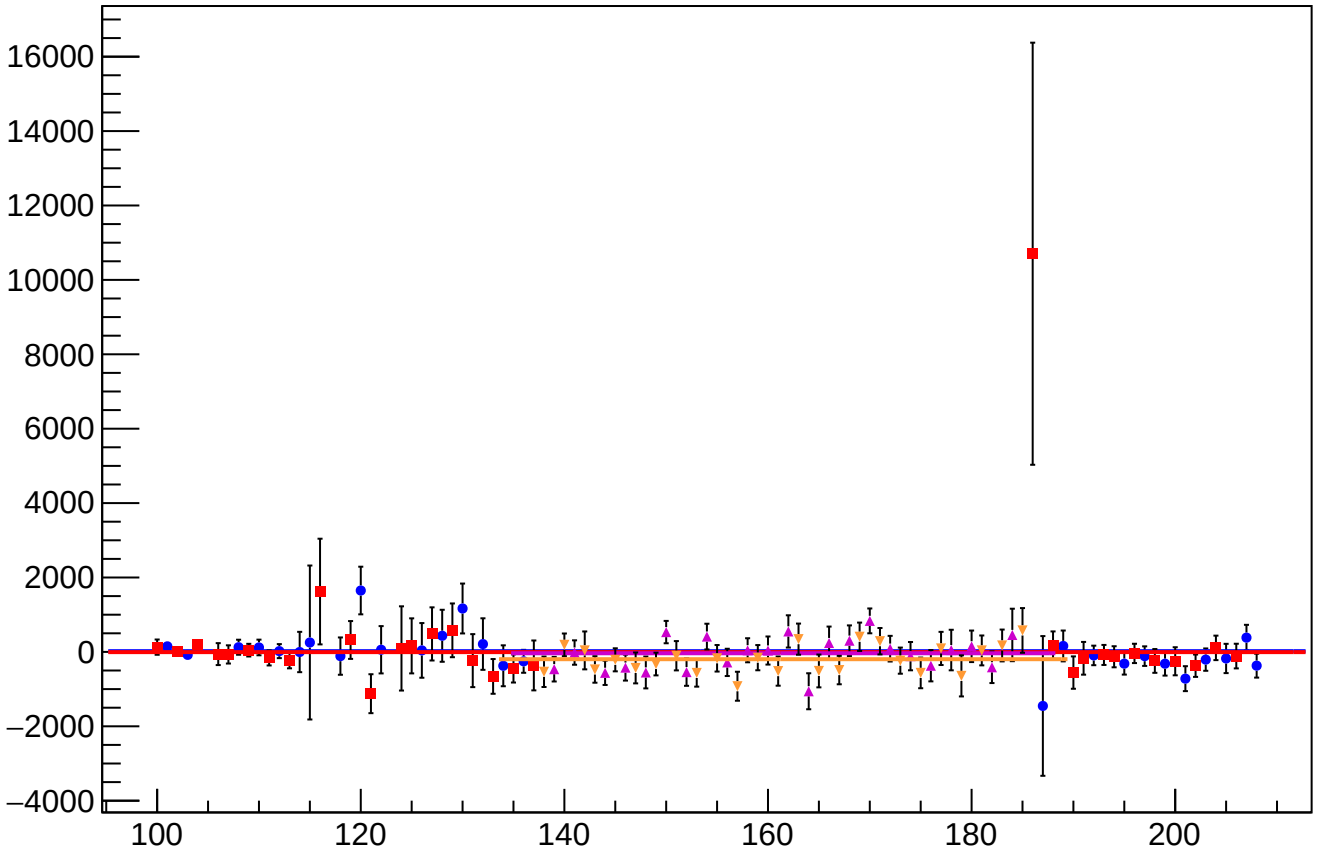
Right Out: 58.702+/-0.011 χ^2/NDF: 1648197.5/30

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.086+/-0.007 χ^2/NDF: 1372158.0/51

All: 61.187+/-0.005 χ^2/NDF: 3587160.4/105

- sign 61.292+/-0.007 χ^2/NDF: 2214616.4/53



Right In: 19.538+/-42.110 χ^2/NDF: 28.6/26

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

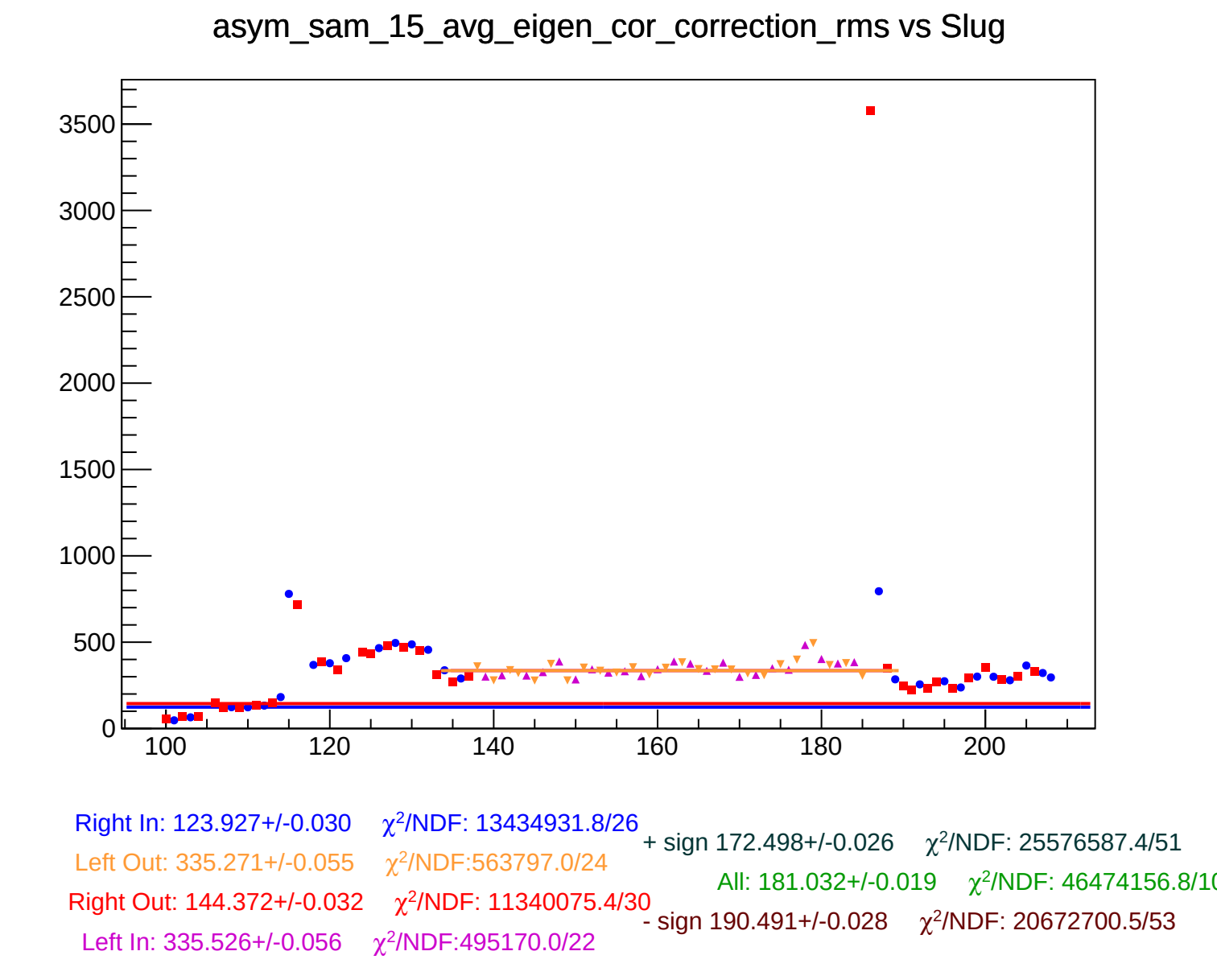
Right Out: -5.836+/-44.666 χ^2/NDF: 27.0/30

Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

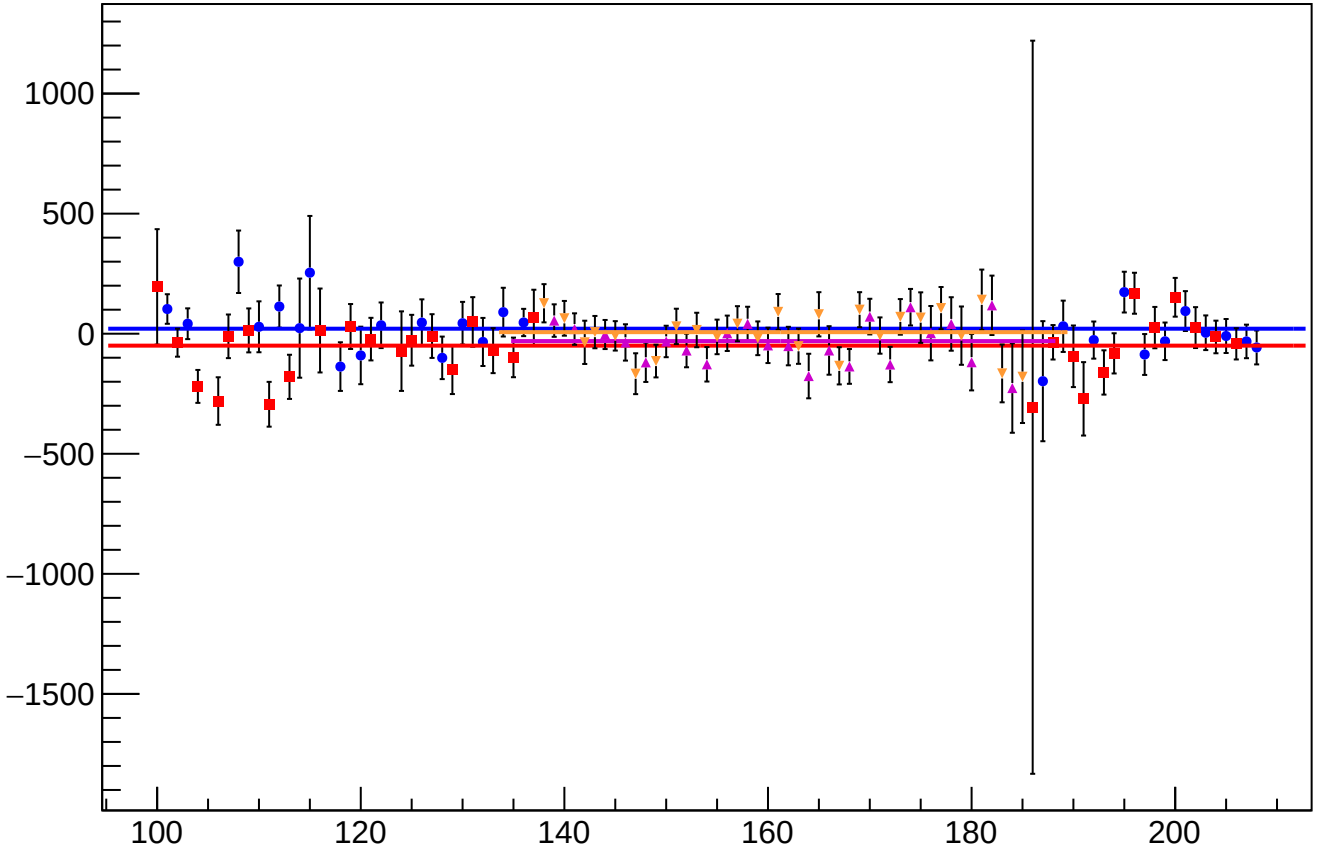
\+ sign -29.984+/-36.956 χ^2/NDF: 55.2/51

All: -22.030+/-26.795 χ^2/NDF: 113.4/105

\- sign -13.214+/-38.907 χ^2/NDF: 58.2/53


asym_sam_15_avg_eigen_cor_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 123.927+/-0.030 χ²/NDF: 13434931.8/26
Left Out: 335.271+/-0.055 χ²/NDF:563797.0/24
Right Out: 144.372+/-0.032 χ²/NDF: 11340075.4/30
Left In: 335.526+/-0.056 χ²/NDF:495170.0/22
+ sign 172.498+/-0.026 χ²/NDF: 25576587.4/51
All: 181.032+/-0.019 χ²/NDF: 46474156.8/10
- sign 190.491+/-0.028 χ²/NDF: 20672700.5/53

dit_asym_sam_15_avg_mean vs Slug



Right In: 20.818+/-16.606 χ^2/NDF: 24.1/26

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -49.711+/-16.388 χ^2/NDF: 45.2/30

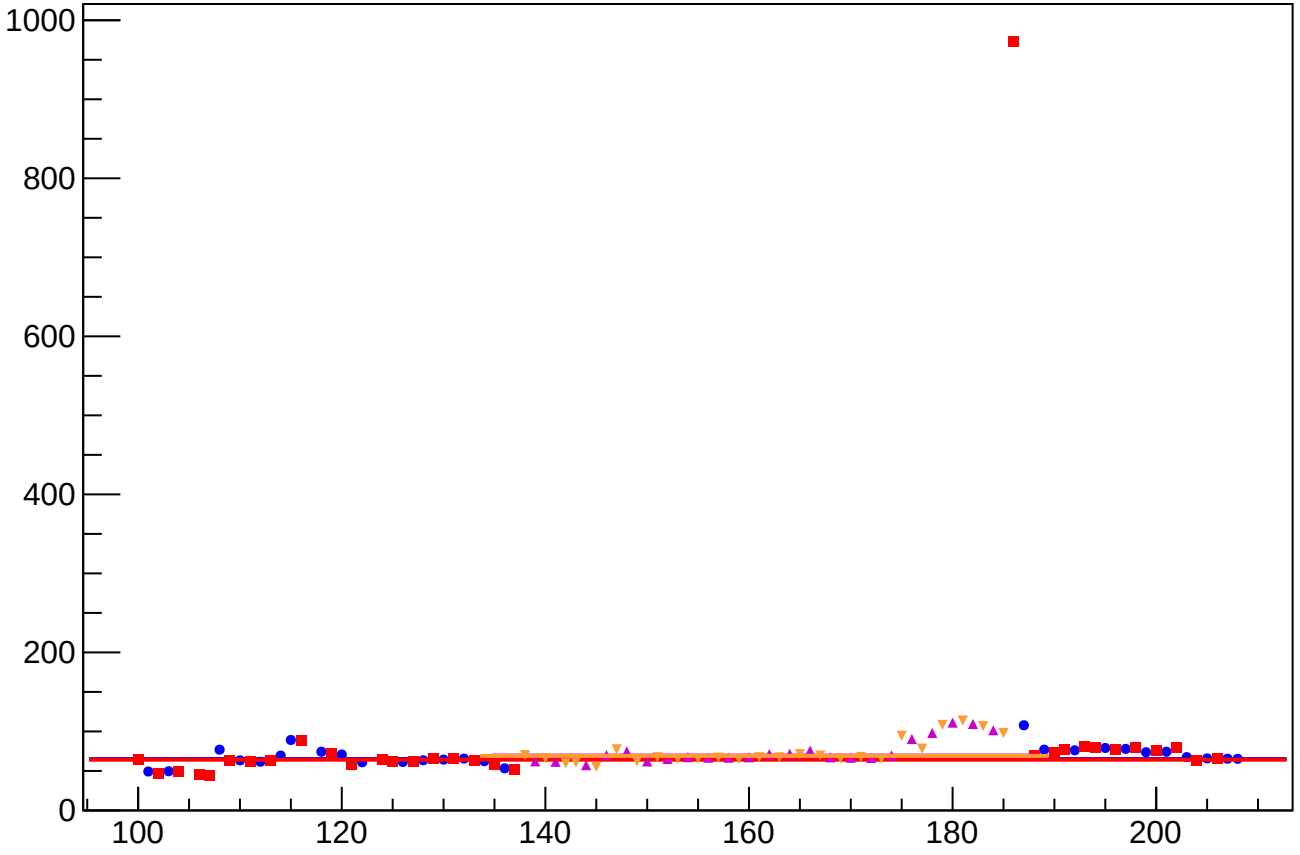
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 13.367+/-11.513 χ^2/NDF: 49.5/51

All: -13.176+/-8.182 χ^2/NDF: 128.6/105

- sign -40.253+/-11.629 χ^2/NDF: 68.3/53

dit_asym_sam_15_avg_rms vs Slug



Right In: 65.026+/-0.012 χ^2/NDF: 681354.9/26

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 64.276+/-0.012 χ^2/NDF: 1633912.9/30

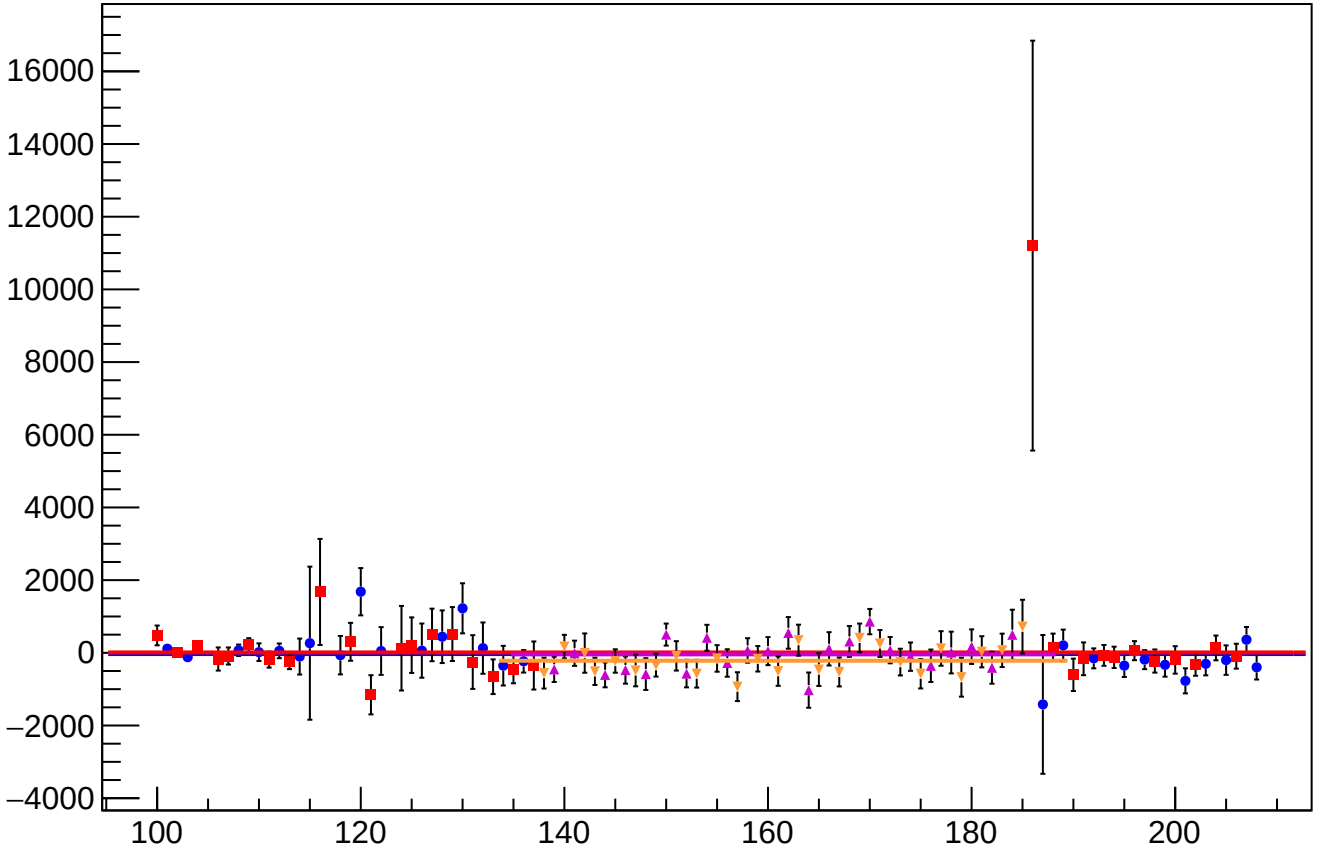
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 67.130+/-0.008 χ^2/NDF: 1817212.4/51

All: 66.986+/-0.006 χ^2/NDF: 4474822.5/105

- sign 66.838+/-0.008 χ^2/NDF: 2656972.6/53

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -33.624+/-47.511 χ^2/NDF: 26.8/26

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 10.882+/-46.982 χ^2/NDF: 30.6/30

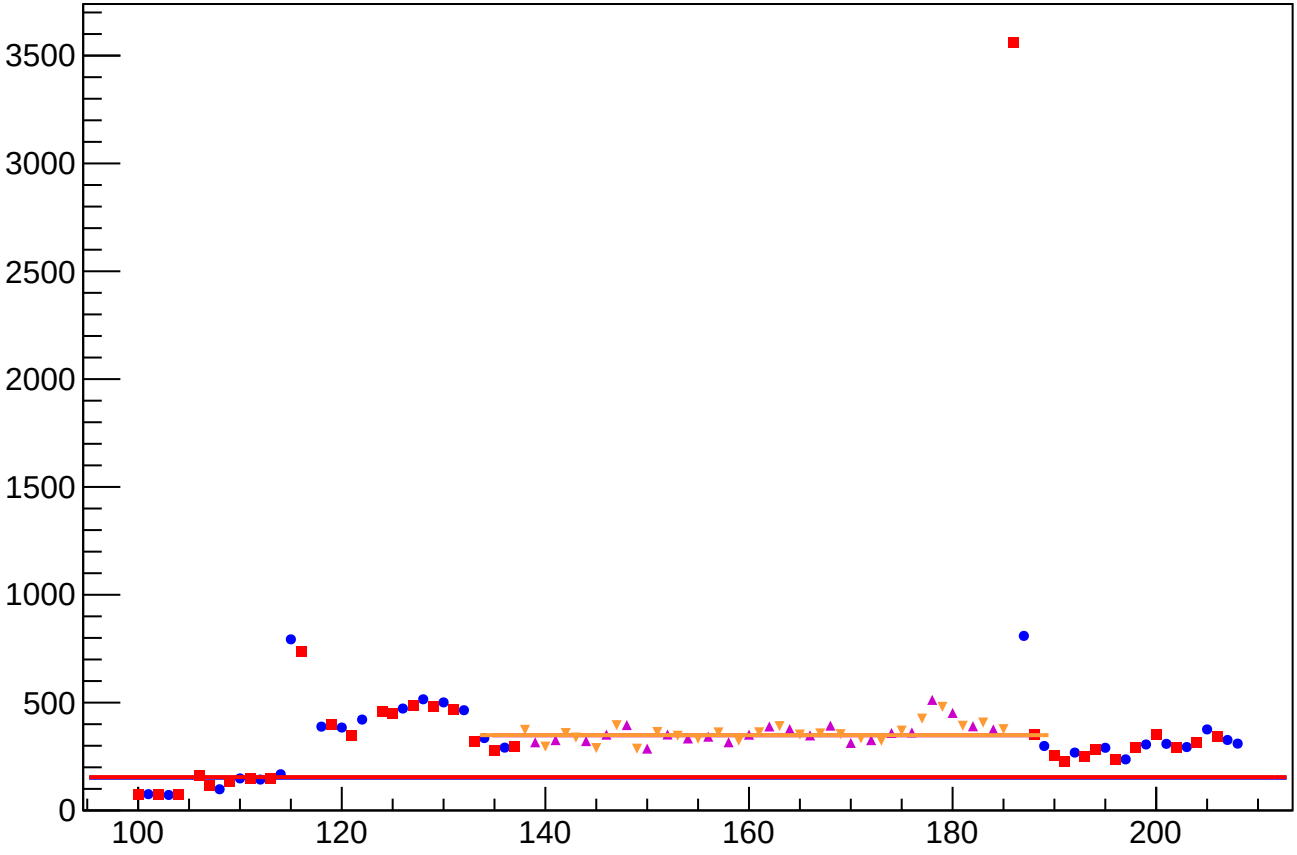
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -81.411+/-40.868 χ^2/NDF: 50.0/51

All: -41.639+/-28.873 χ^2/NDF: 112.8/105

- sign -2.006+/-40.796 χ^2/NDF: 60.9/53

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 151.675+/-0.034 χ^2/NDF: 10923880.5/26

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 154.582+/-0.033 χ^2/NDF: 10751373.4/30

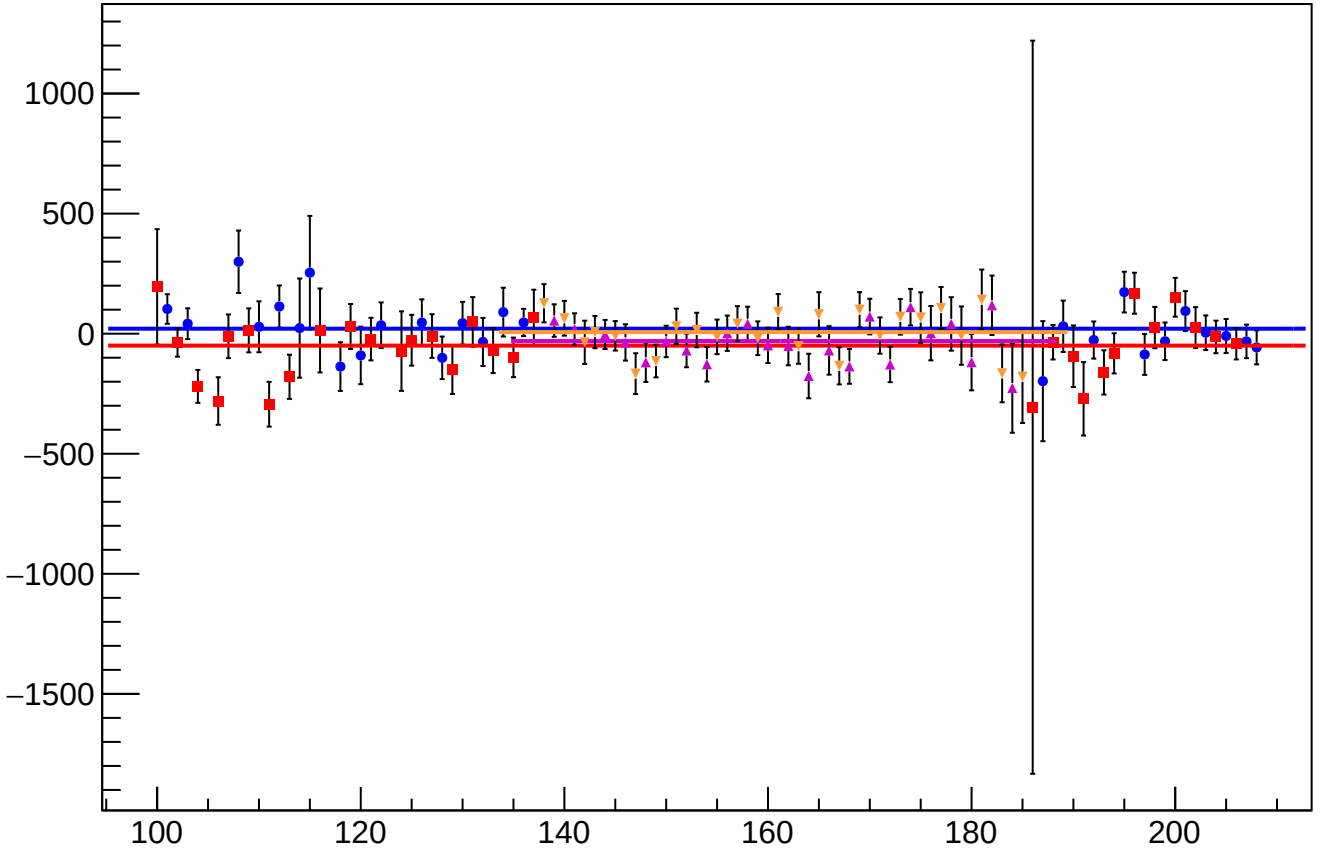
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 203.045+/-0.029 χ^2/NDF: 20437107.0/51

All: 202.670+/-0.020 χ^2/NDF: 40101022.9/10

- sign 202.297+/-0.029 χ^2/NDF: 19663580.1/53

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 20.818+/-16.606 χ^2/NDF: 24.1/26

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -49.711+/-16.388 χ^2/NDF: 45.2/30

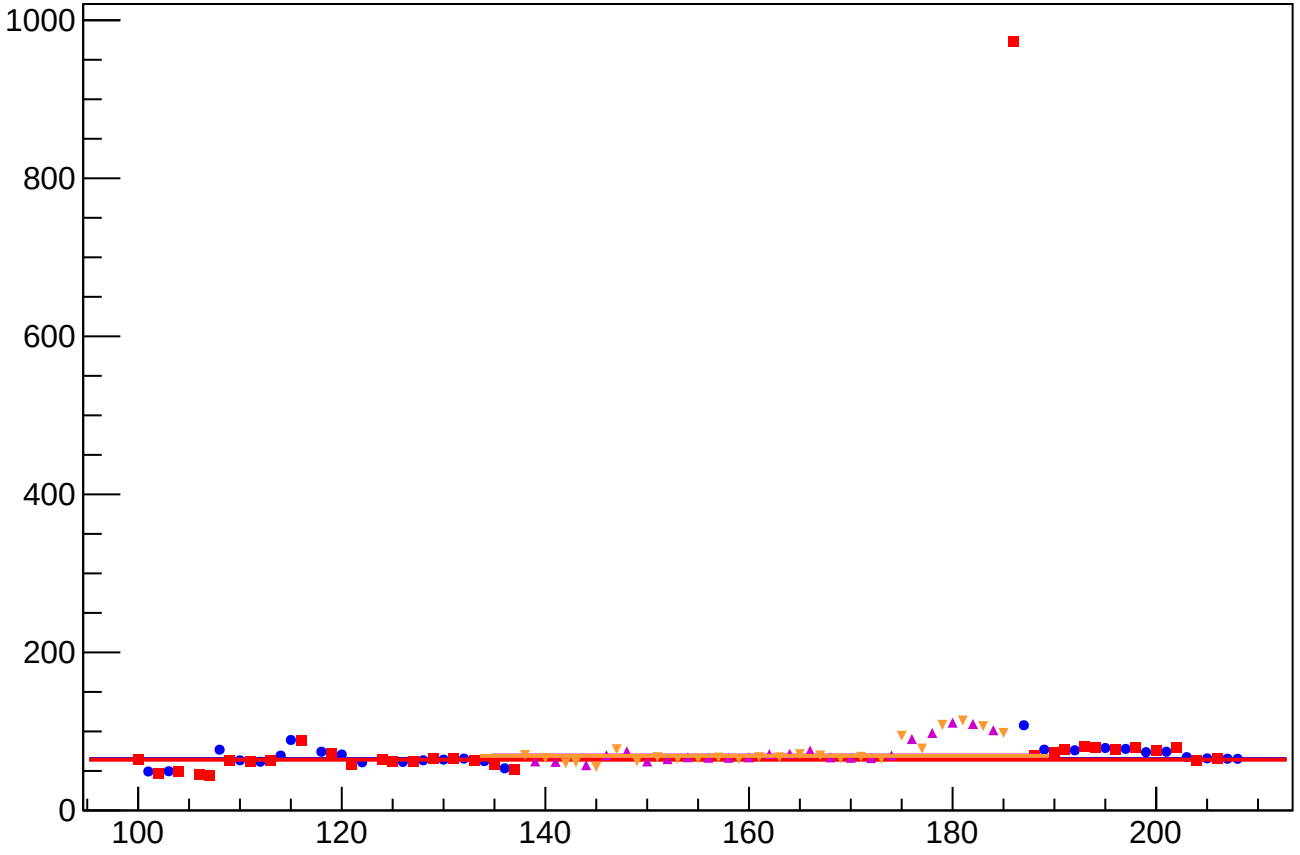
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 13.367+/-11.513 χ^2/NDF: 49.5/51

All: -13.176+/-8.182 χ^2/NDF: 128.6/105

- sign -40.253+/-11.629 χ^2/NDF: 68.3/53

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 65.026+/-0.012 χ^2/NDF: 681355.0/26

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 64.276+/-0.012 χ^2/NDF: 1633912.7/30

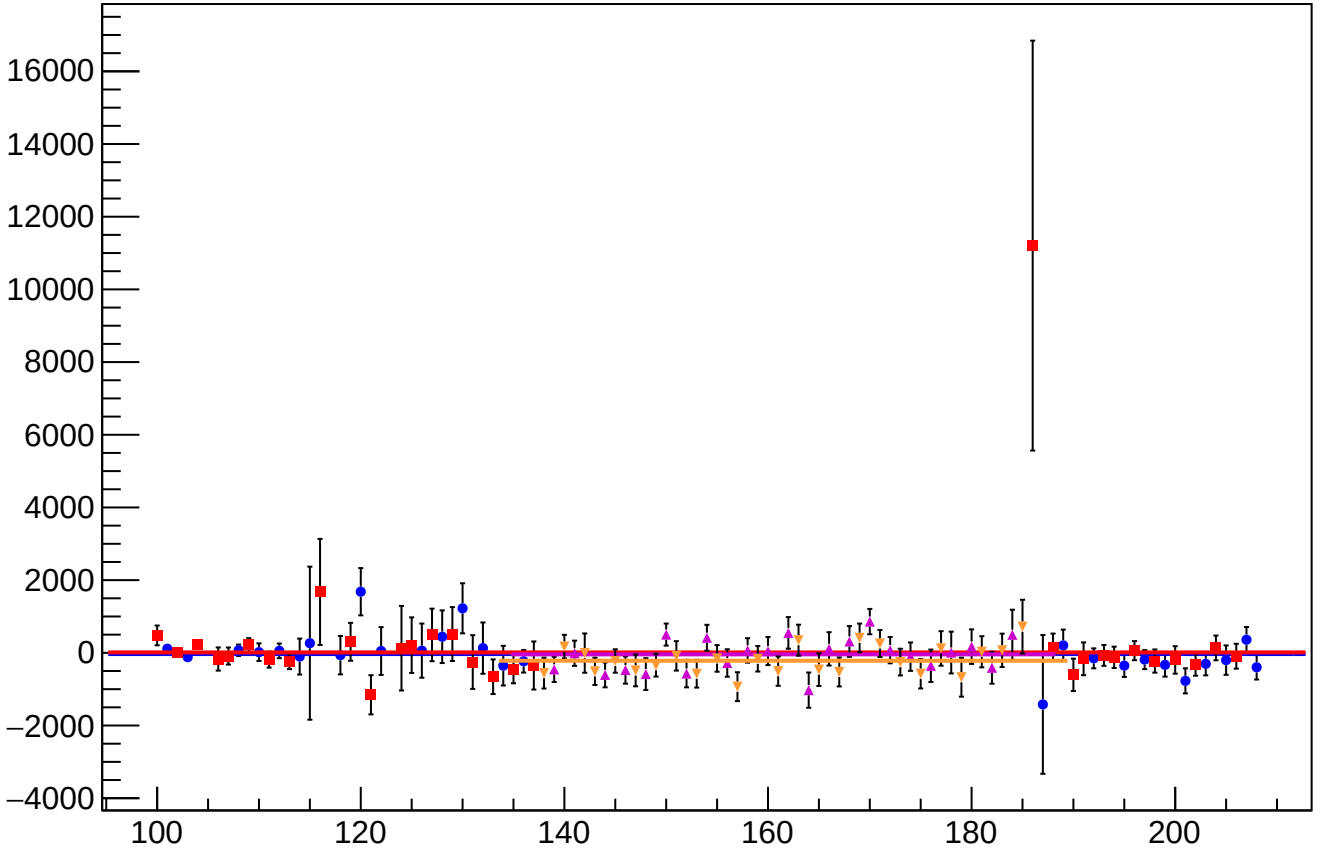
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 67.130+/-0.008 χ^2/NDF: 1817200.1/51

All: 66.986+/-0.006 χ^2/NDF: 4474802.6/105

- sign 66.838+/-0.008 χ^2/NDF: 2656965.1/53

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: -33.624+/-47.511 χ^2/NDF: 26.8/26

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

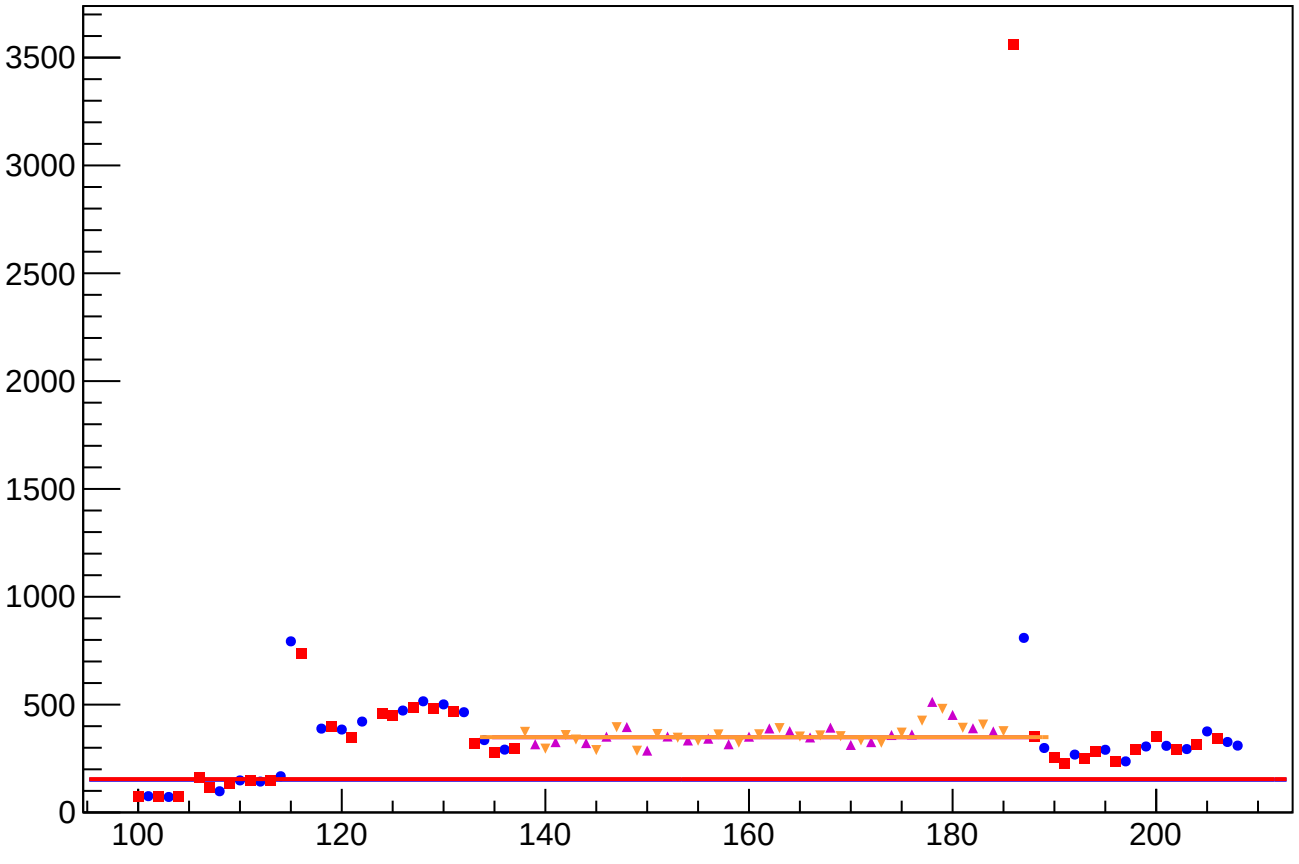
Right Out: 10.882+/-46.981 χ^2/NDF: 30.6/30

Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

\+ sign -81.410+/-40.868 χ^2/NDF: 50.0/51

All: -41.638+/-28.872 χ^2/NDF: 112.8/105

\- sign -2.006+/-40.796 χ^2/NDF: 60.9/53



Right In: 151.675+/-0.034 χ^2/NDF: 10923890.2/26

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 154.582+/-0.033 χ^2/NDF: 10751417.3/30

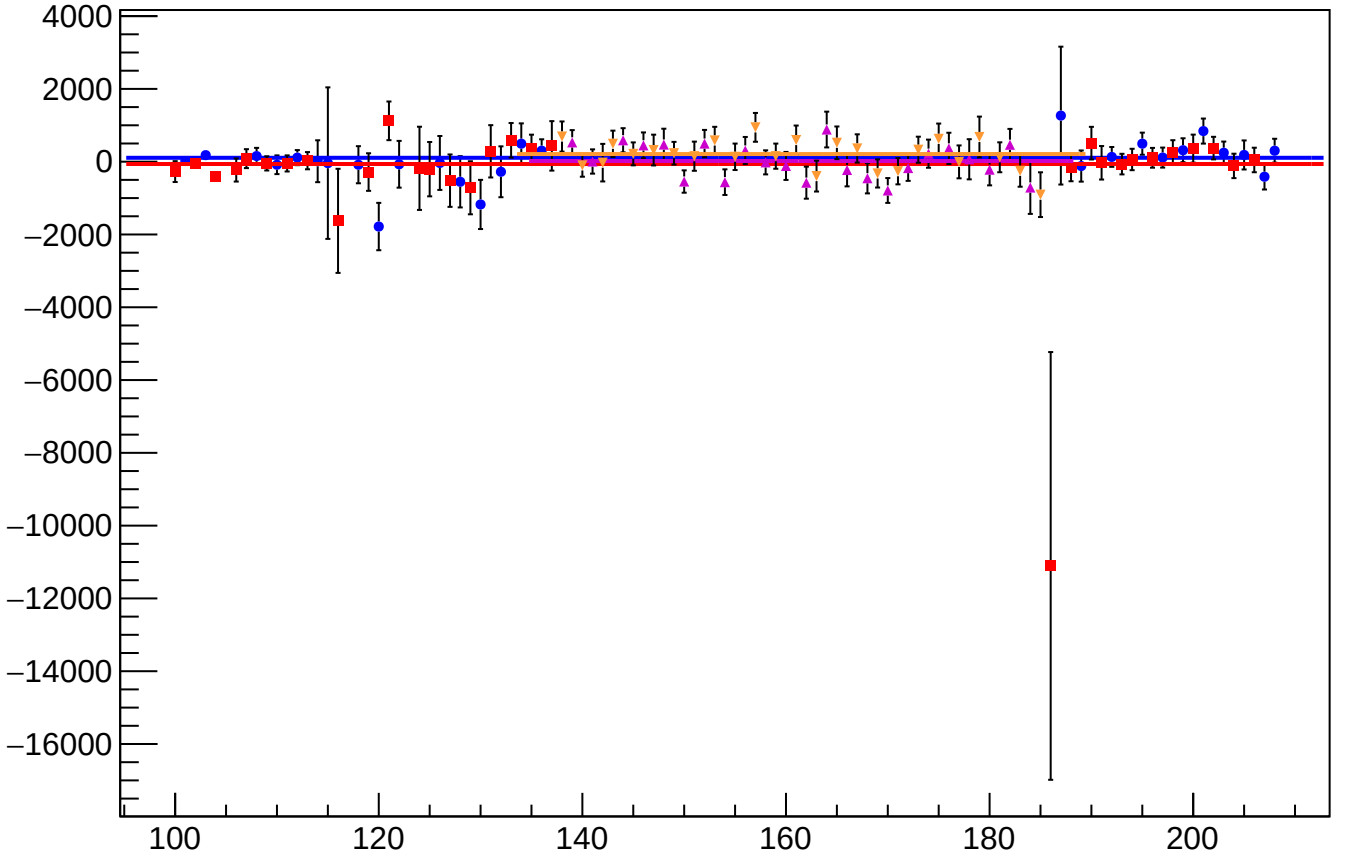
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 203.045+/-0.029 χ^2/NDF: 20437172.5/51

All: 202.670+/-0.020 χ^2/NDF: 40101202.3/10

- sign 202.296+/-0.029 χ^2/NDF: 19663693.8/53

asym_sam_15_avg_mean vs Slug



Right In: 107.253+/-51.235 χ^2/NDF: 26.3/26

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -63.764+/-50.229 χ^2/NDF: 32.2/30

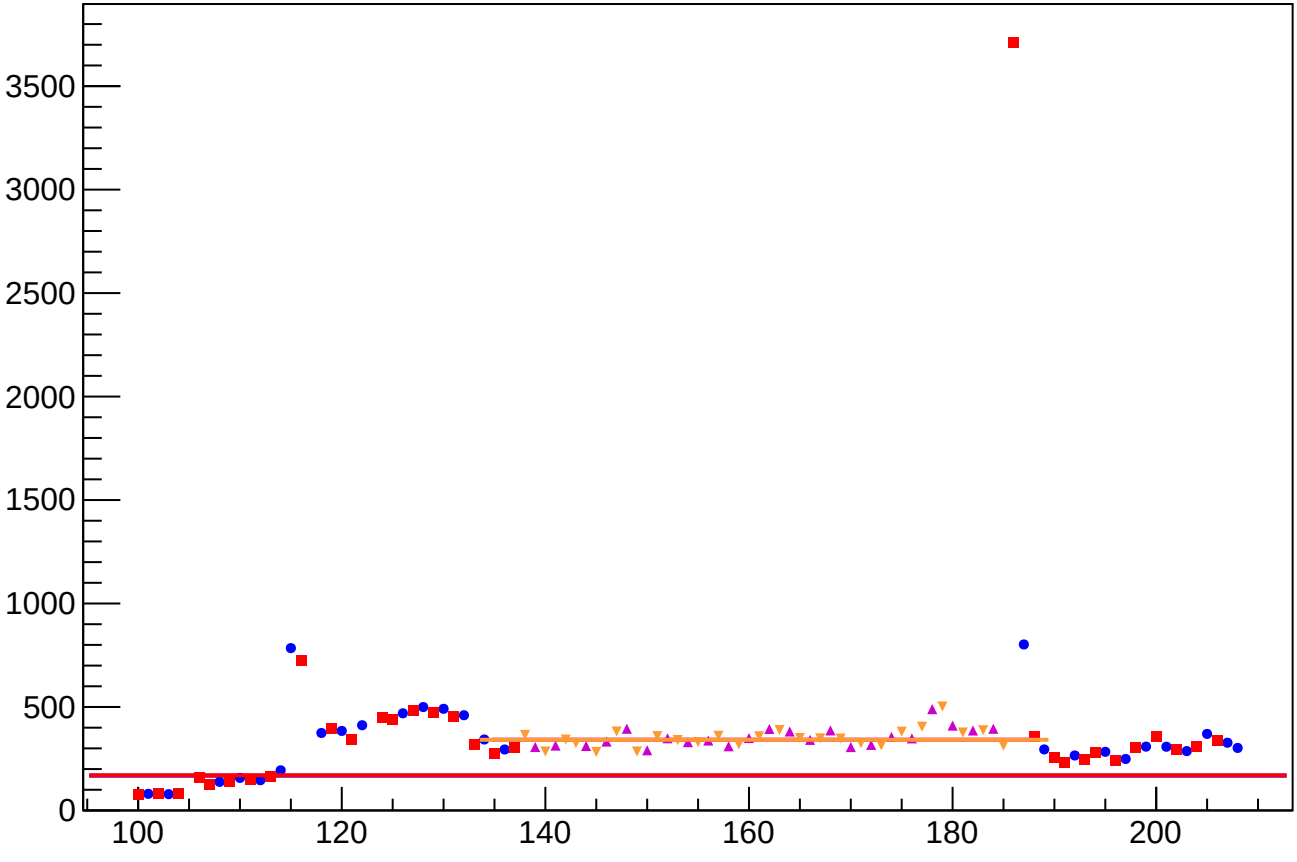
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 137.887+/-42.907 χ^2/NDF: 48.9/51

All: 48.029+/-30.246 χ^2/NDF: 122.5/105

- sign -40.727+/-42.643 χ^2/NDF: 64.9/53

asym_sam_15_avg_rms vs Slug



Right In: 168.281+/-0.036 χ^2/NDF: 9594107.8/26

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

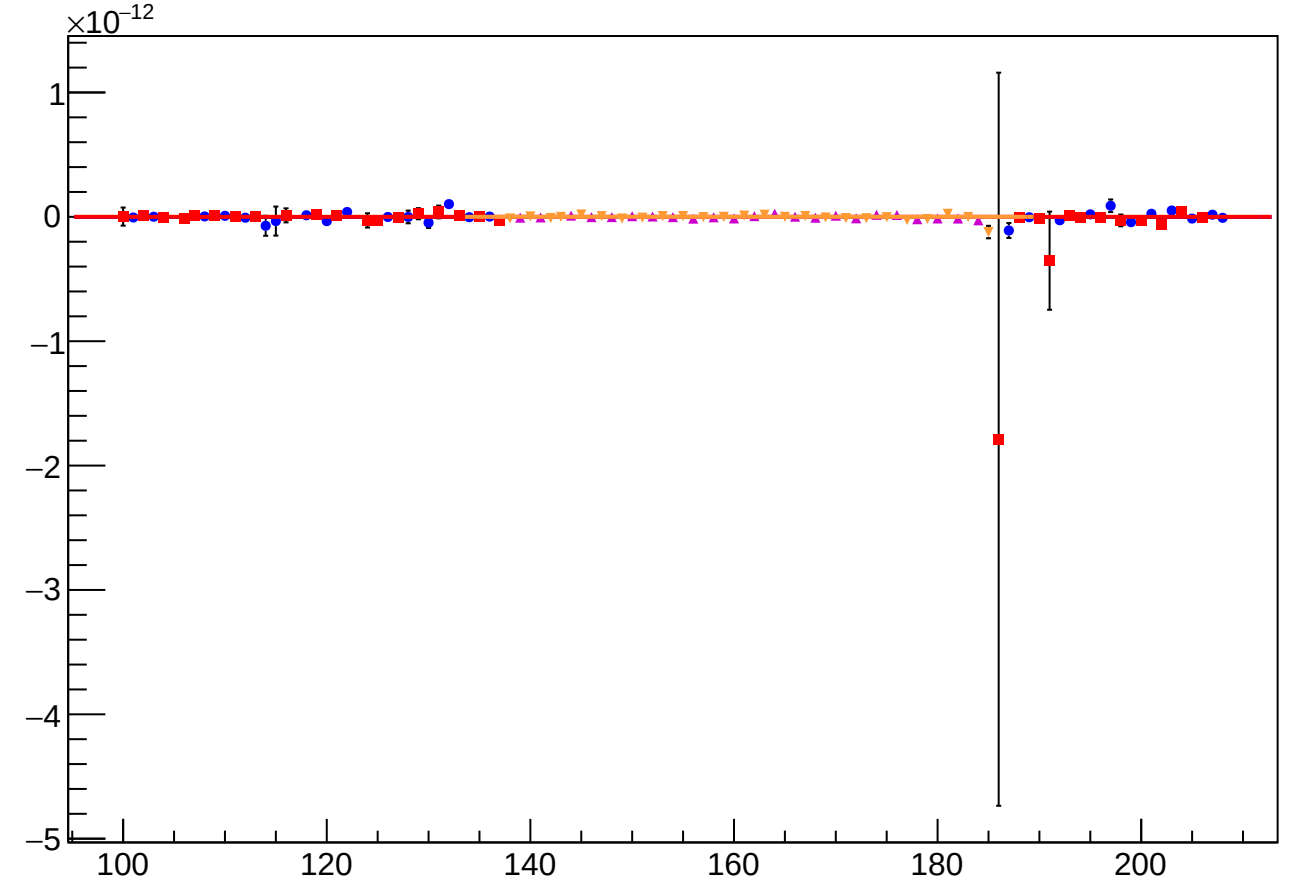
Right Out: 169.833+/-0.036 χ^2/NDF: 9468328.9/30

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 220.042+/-0.030 χ^2/NDF: 16982819.4/51

All: 218.960+/-0.021 χ^2/NDF: 33496095.5/10

- sign 217.891+/-0.030 χ^2/NDF: 16510748.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 35.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

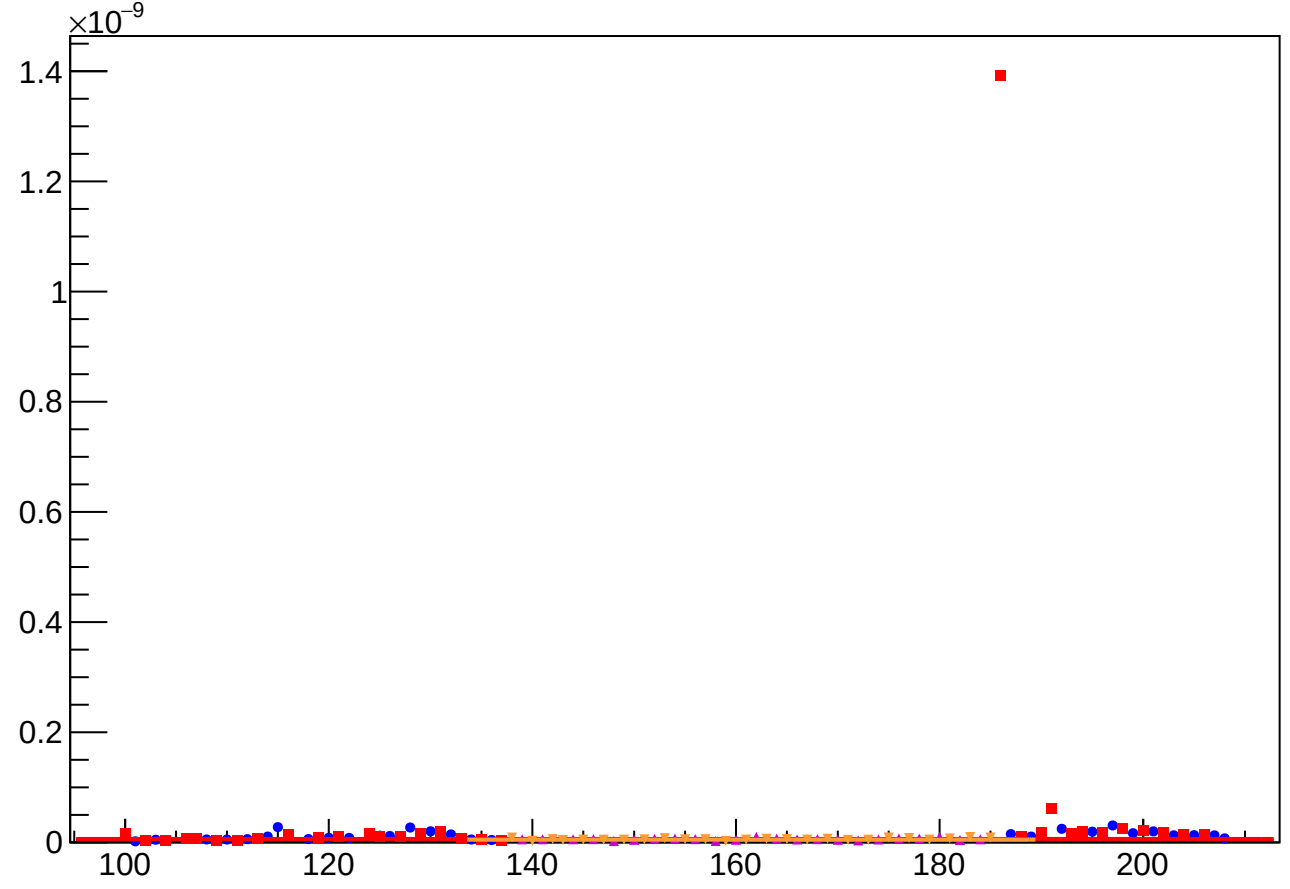
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/30

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.2/51

All: -0.000+/-0.000 χ^2/NDF: 106.2/105

- sign -0.000+/-0.000 χ^2/NDF: 42.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 6090023.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4963710.6/30

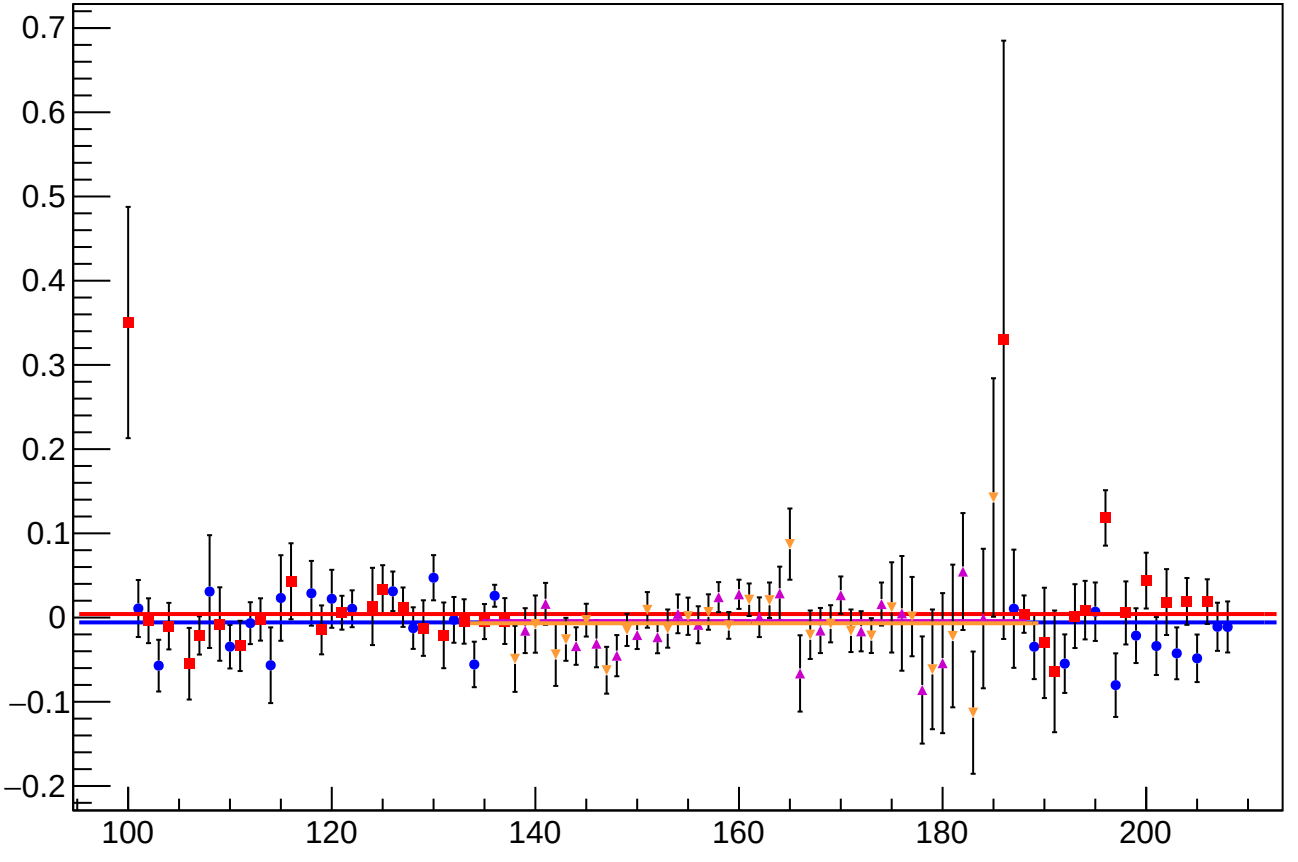
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7406889.0/51

All: 0.000+/-0.000 χ^2/NDF: 13989563.5/105

- sign 0.000+/-0.000 χ^2/NDF: 6474510.5/53

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.006 χ^2/NDF: 35.3/26

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.004+/-0.006 χ^2/NDF: 31.2/30

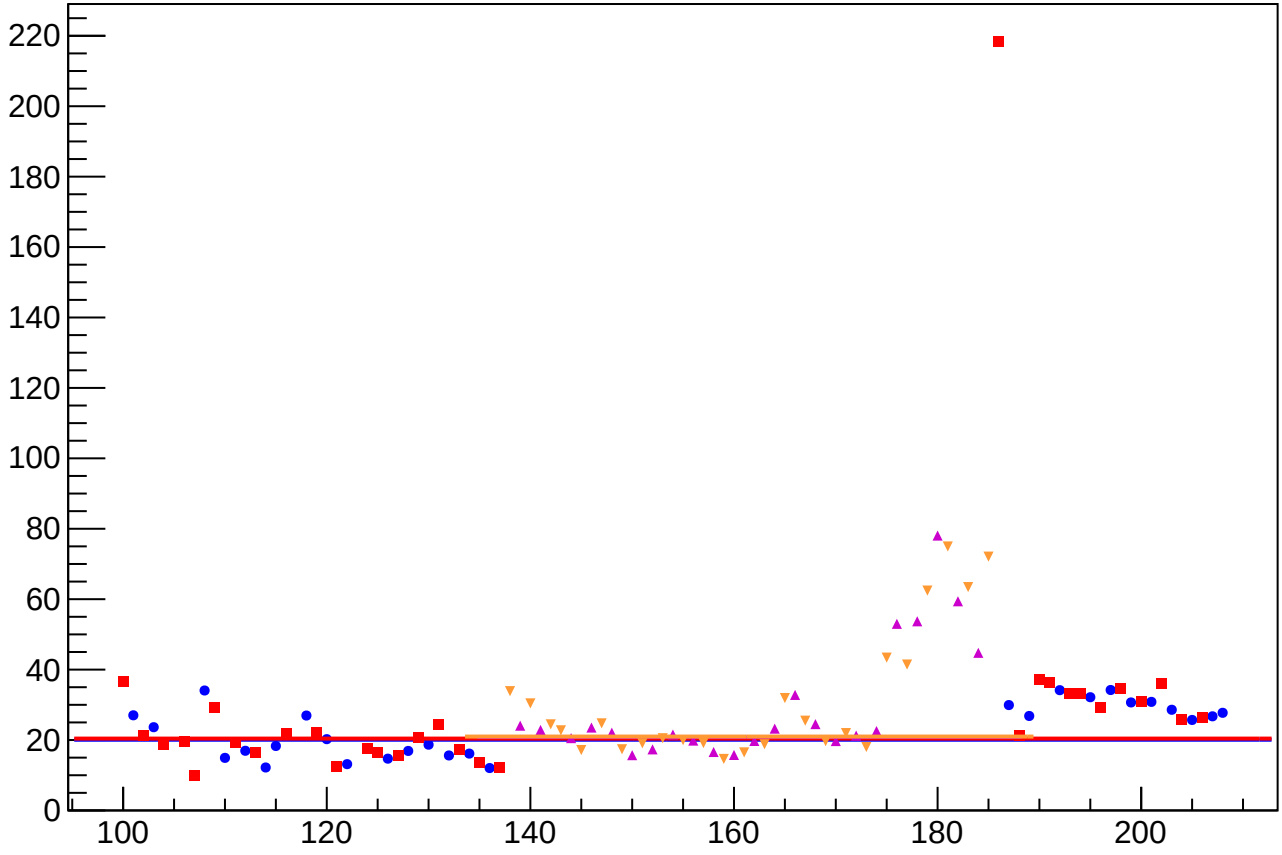
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.006+/-0.004 χ^2/NDF: 57.0/51

All: -0.003+/-0.003 χ^2/NDF: 113.9/105

- sign -0.000+/-0.004 χ^2/NDF: 55.6/53

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 20.085+/-0.004 χ^2/NDF: 3464382.2/26

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 20.411+/-0.004 χ^2/NDF: 3946198.1/30

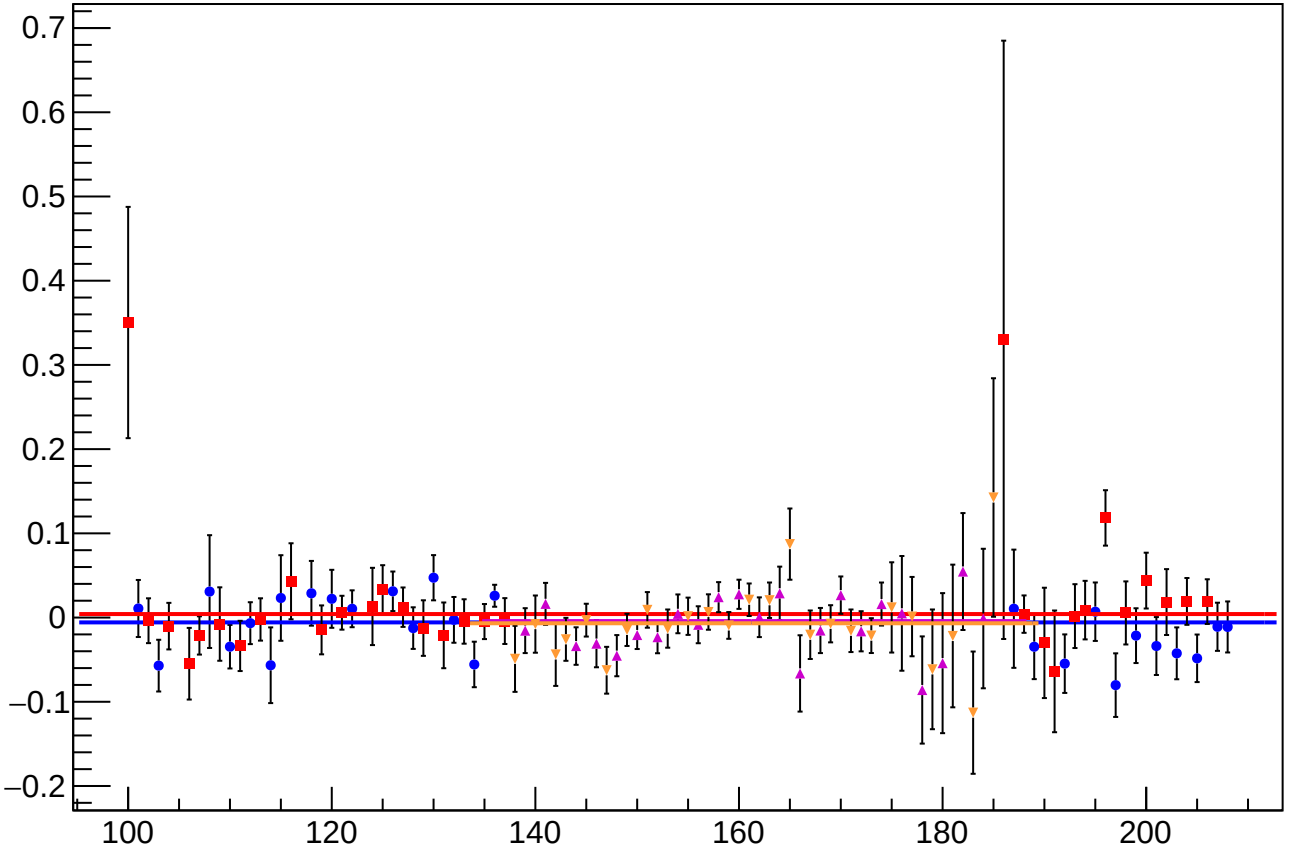
Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 20.559+/-0.003 χ^2/NDF: 7959328.0/51

All: 20.604+/-0.002 χ^2/NDF: 15448087.0/105

- sign 20.650+/-0.003 χ^2/NDF: 7488191.9/53

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.006 χ^2/NDF: 35.3/26

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.004+/-0.006 χ^2/NDF: 31.2/30

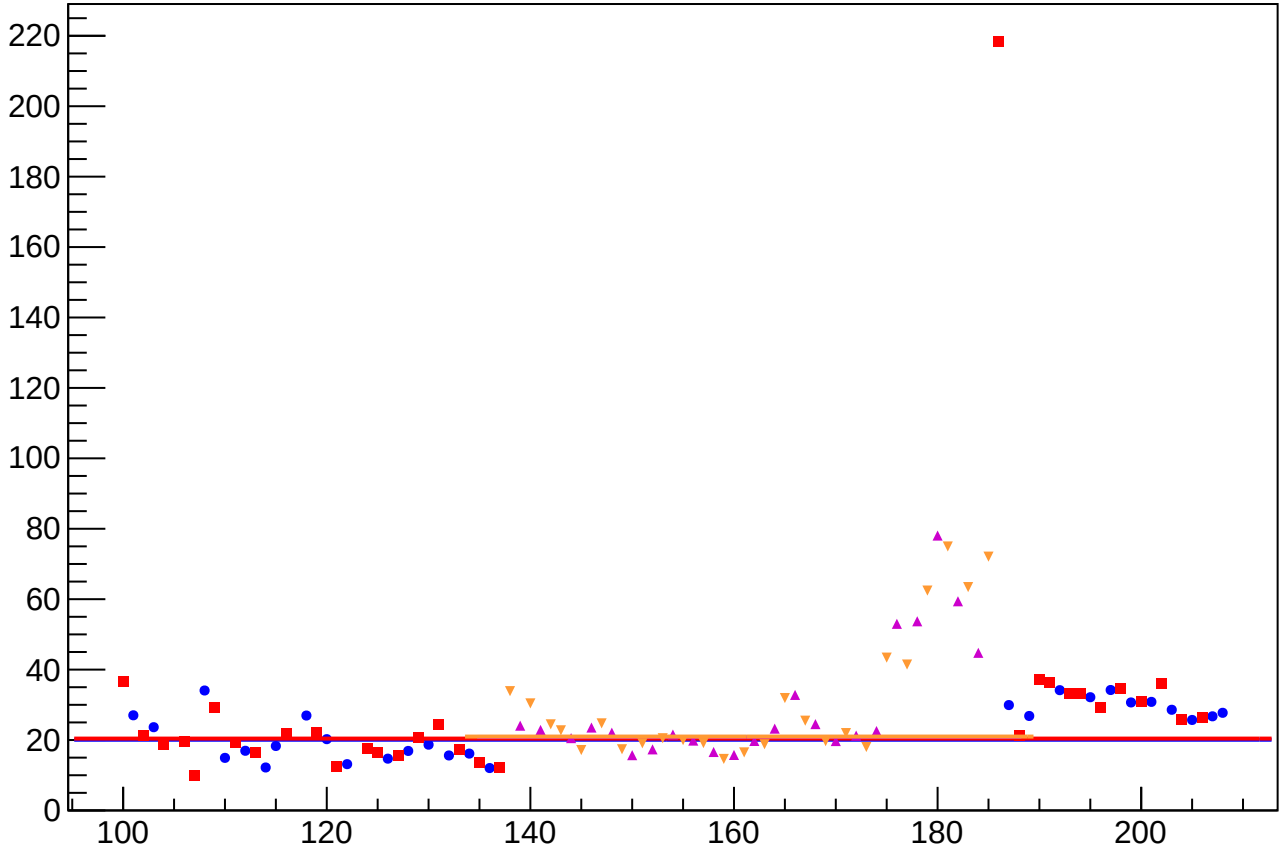
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.006+/-0.004 χ^2/NDF: 57.0/51

All: -0.003+/-0.003 χ^2/NDF: 113.9/105

- sign -0.000+/-0.004 χ^2/NDF: 55.6/53

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.085+/-0.004 χ^2/NDF: 3464382.2/26

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

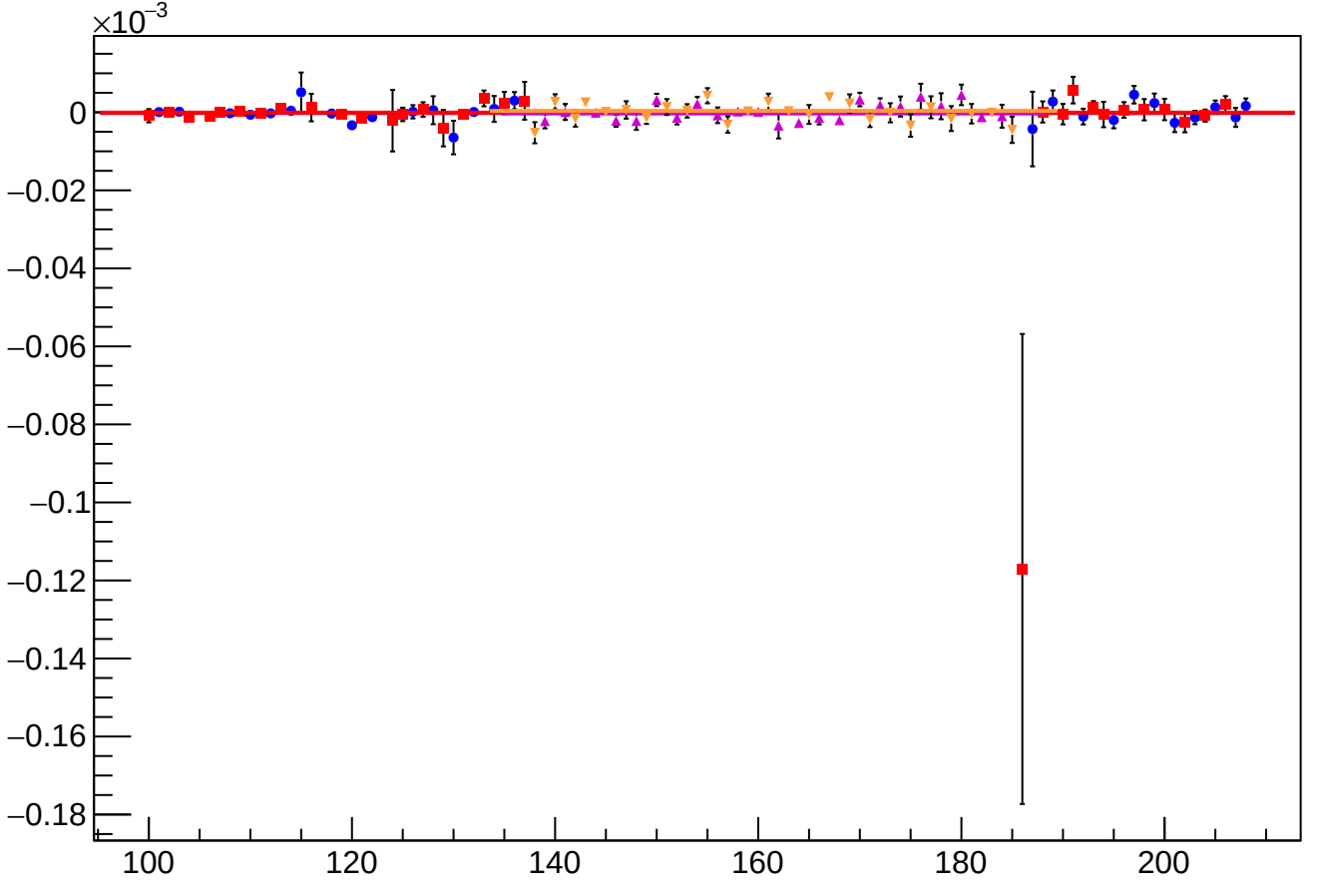
Right Out: 20.411+/-0.004 χ^2/NDF: 3946198.1/30

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 20.559+/-0.003 χ^2/NDF: 7959328.0/51

All: 20.604+/-0.002 χ^2/NDF: 15448087.0/105

- sign 20.650+/-0.003 χ^2/NDF: 7488191.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/30

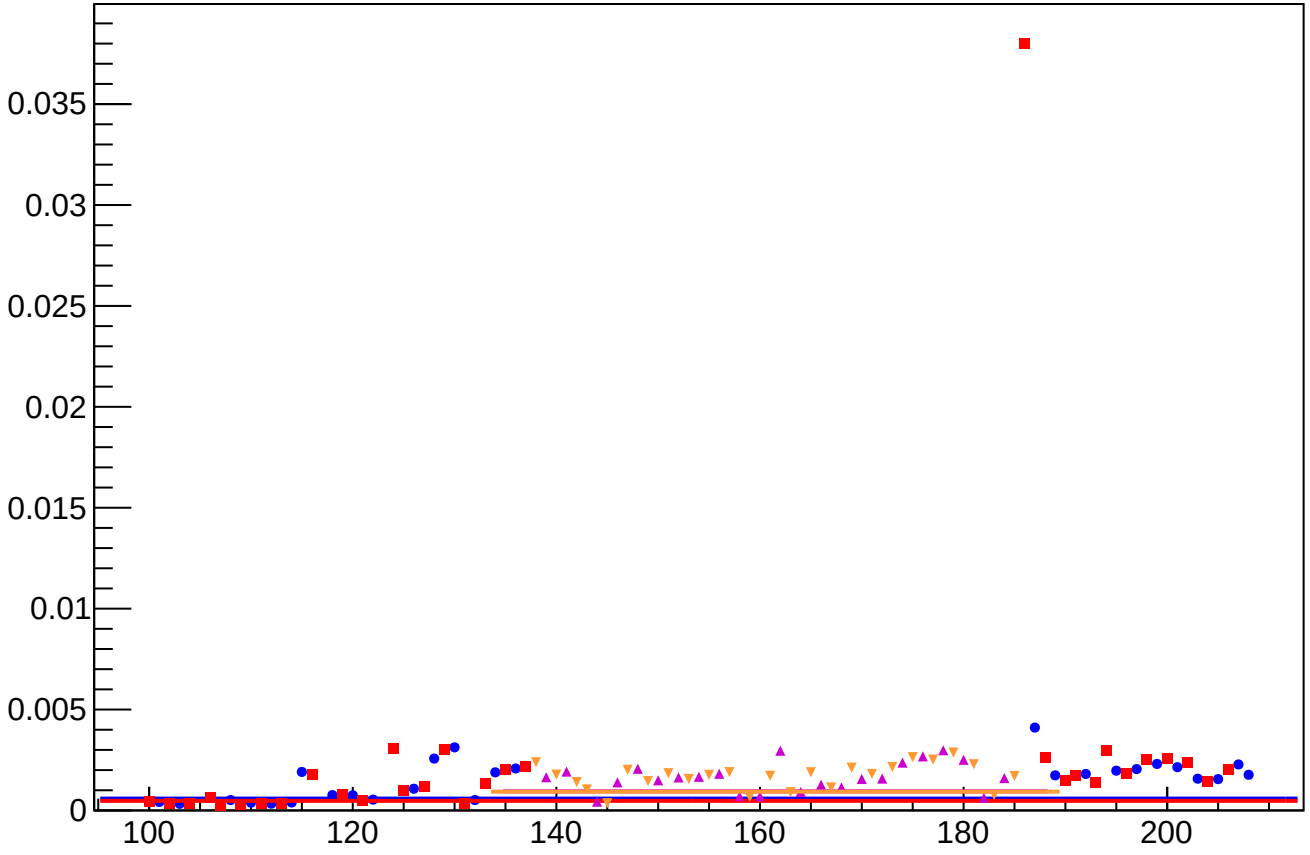
Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.3/51

All: -0.000+/-0.000 χ^2/NDF: 125.2/105

- sign -0.000+/-0.000 χ^2/NDF: 62.3/53

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 12610884.8/26

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15204140.5/30

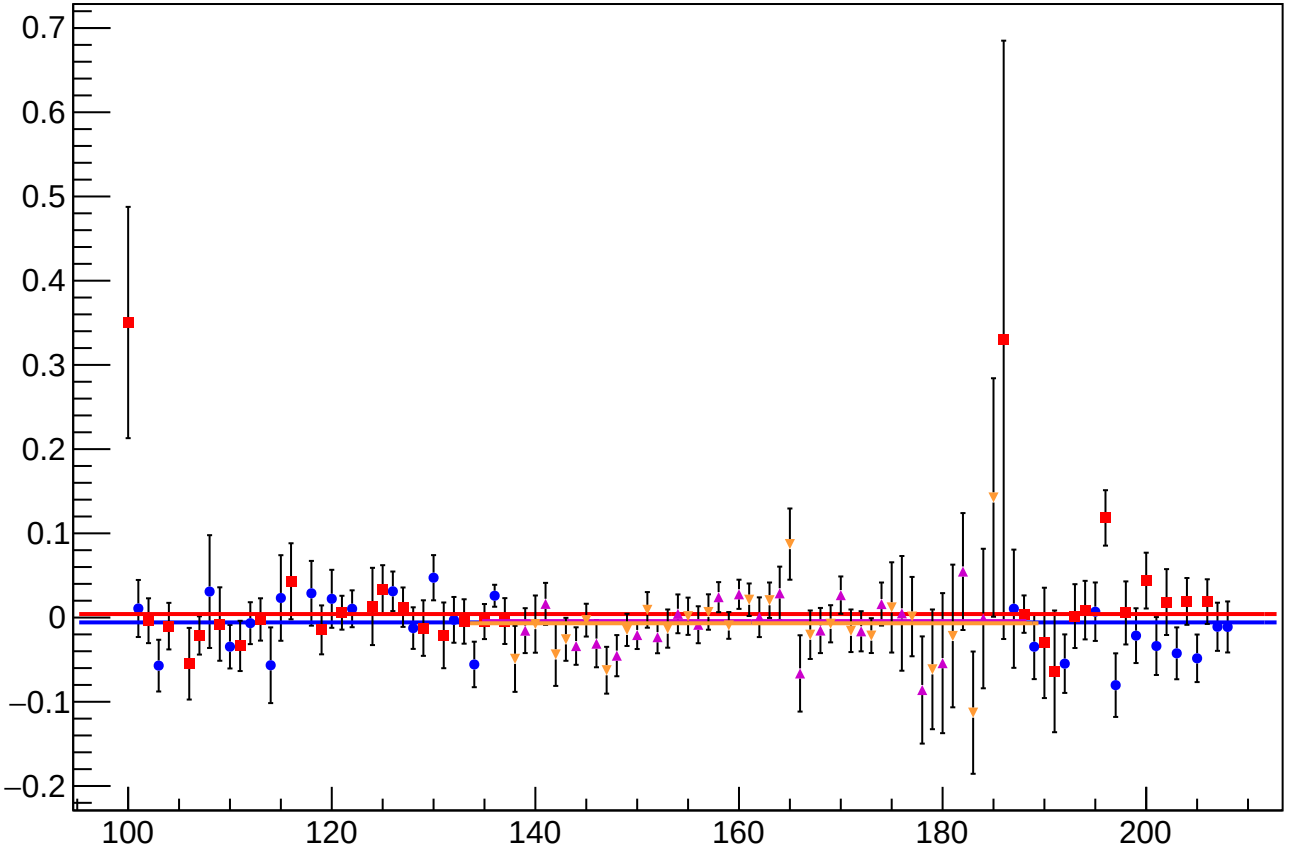
Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 26824785.4/51

All: 0.001+/-0.000 χ^2/NDF: 56546471.8/105

- sign 0.001+/-0.000 χ^2/NDF: 29258448.0/53

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.006 χ^2/NDF: 35.3/26

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

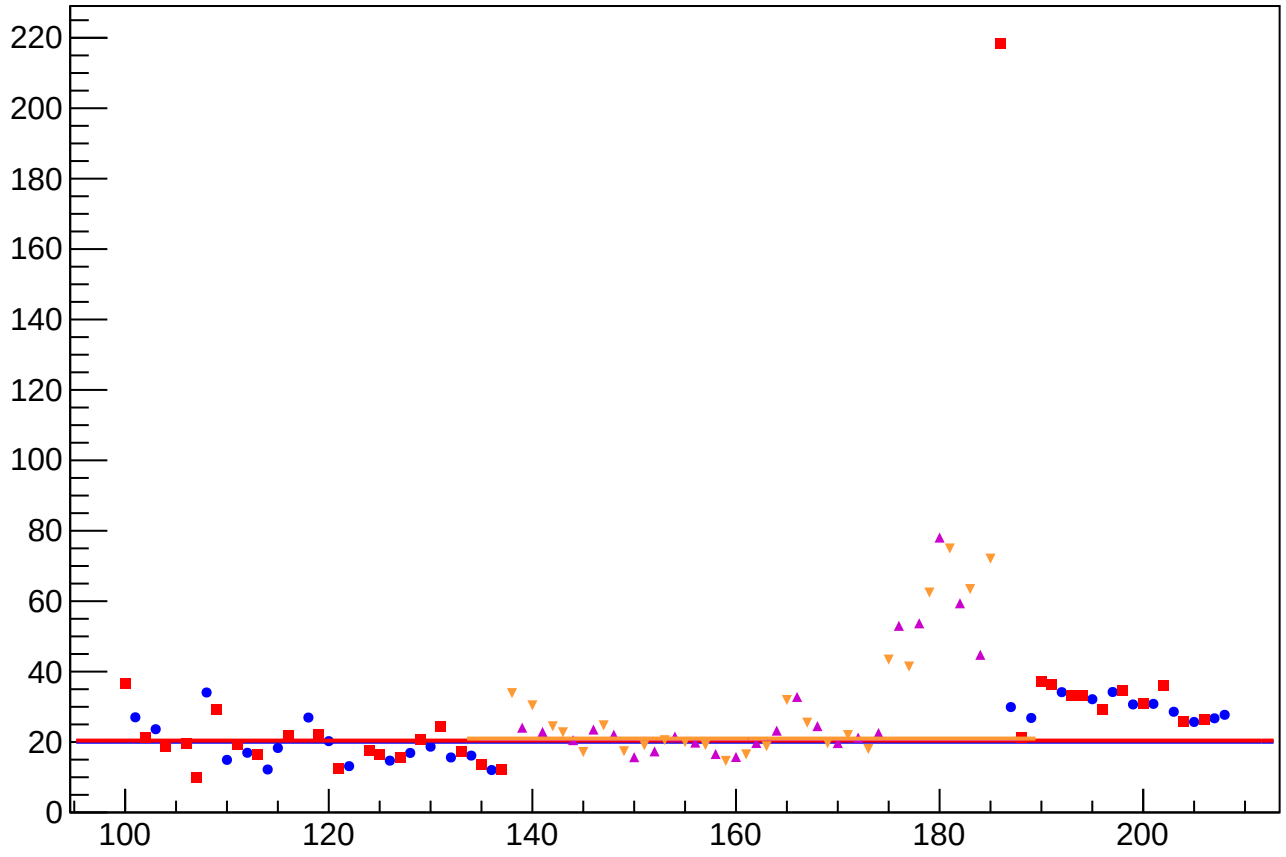
Right Out: 0.004+/-0.006 χ^2/NDF: 31.2/30

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.006+/-0.004 χ^2/NDF: 57.0/51

All: -0.003+/-0.003 χ^2/NDF: 113.9/105

- sign -0.000+/-0.004 χ^2/NDF: 55.6/53



Right In: 20.084+/-0.004 χ^2/NDF: 3464384.0/26

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

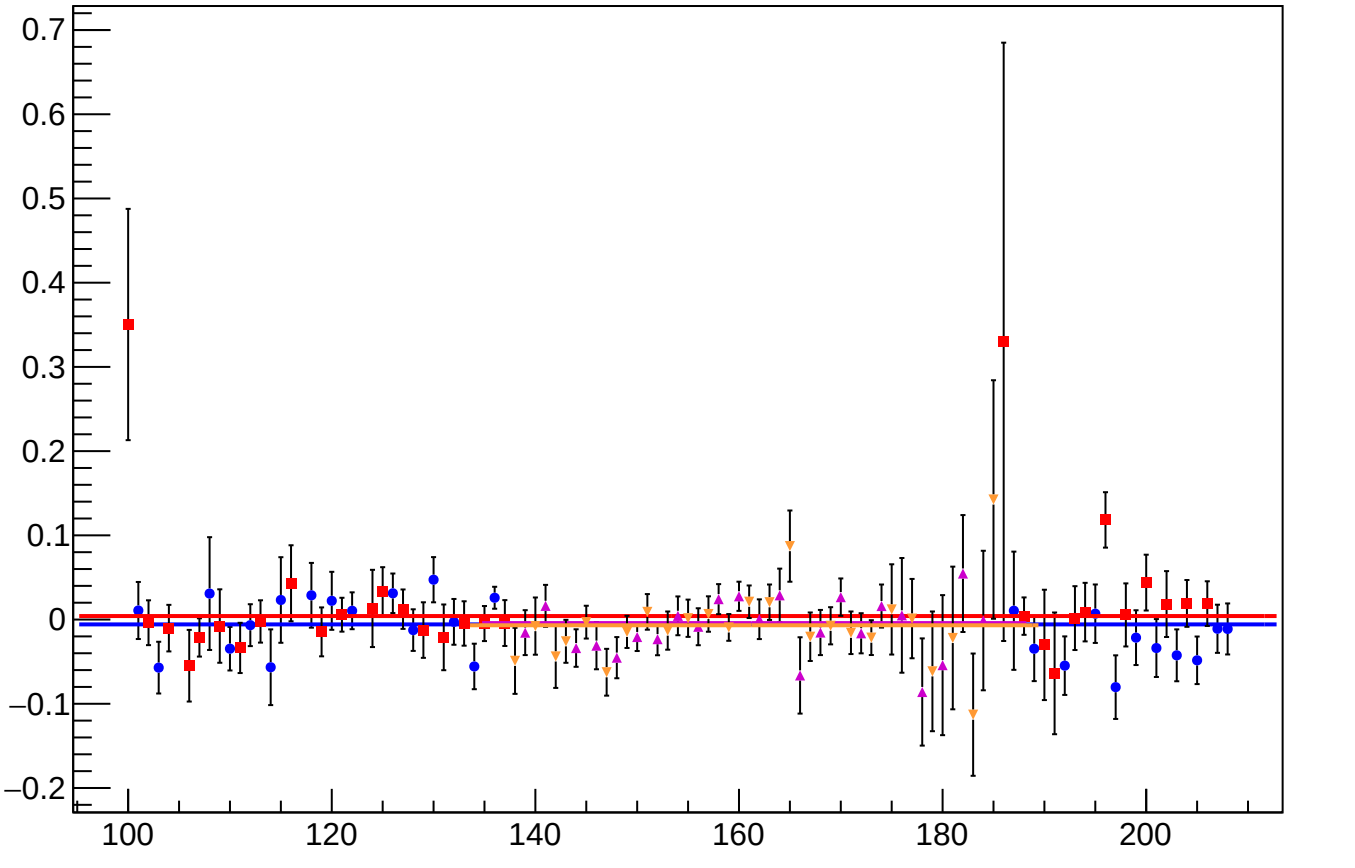
Right Out: 20.411+/-0.004 χ^2/NDF: 3946223.0/30

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.559+/-0.003 χ^2/NDF: 7959324.5/51

All: 20.604+/-0.002 χ^2/NDF: 15448163.9/105

- sign 20.649+/-0.003 χ^2/NDF: 7488273.0/53



Right In: -0.006+/-0.006 χ^2/NDF: 35.3/26

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

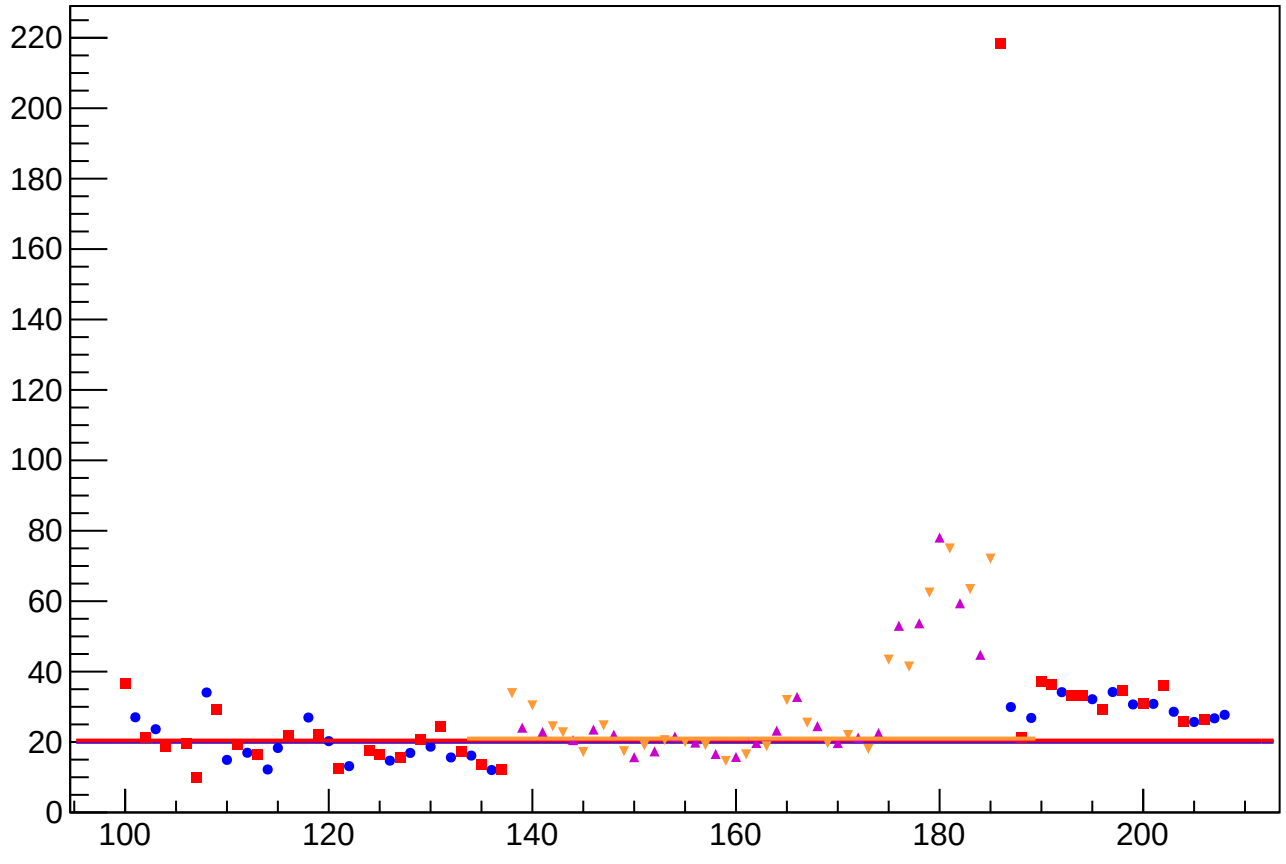
Right Out: 0.004+/-0.006 χ^2/NDF: 31.2/30

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.006+/-0.004 χ^2/NDF: 57.0/51

All: -0.003+/-0.003 χ^2/NDF: 113.9/105

- sign -0.000+/-0.004 χ^2/NDF: 55.6/53



Right In: 20.084+/-0.004 χ^2/NDF: 3464384.0/26

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

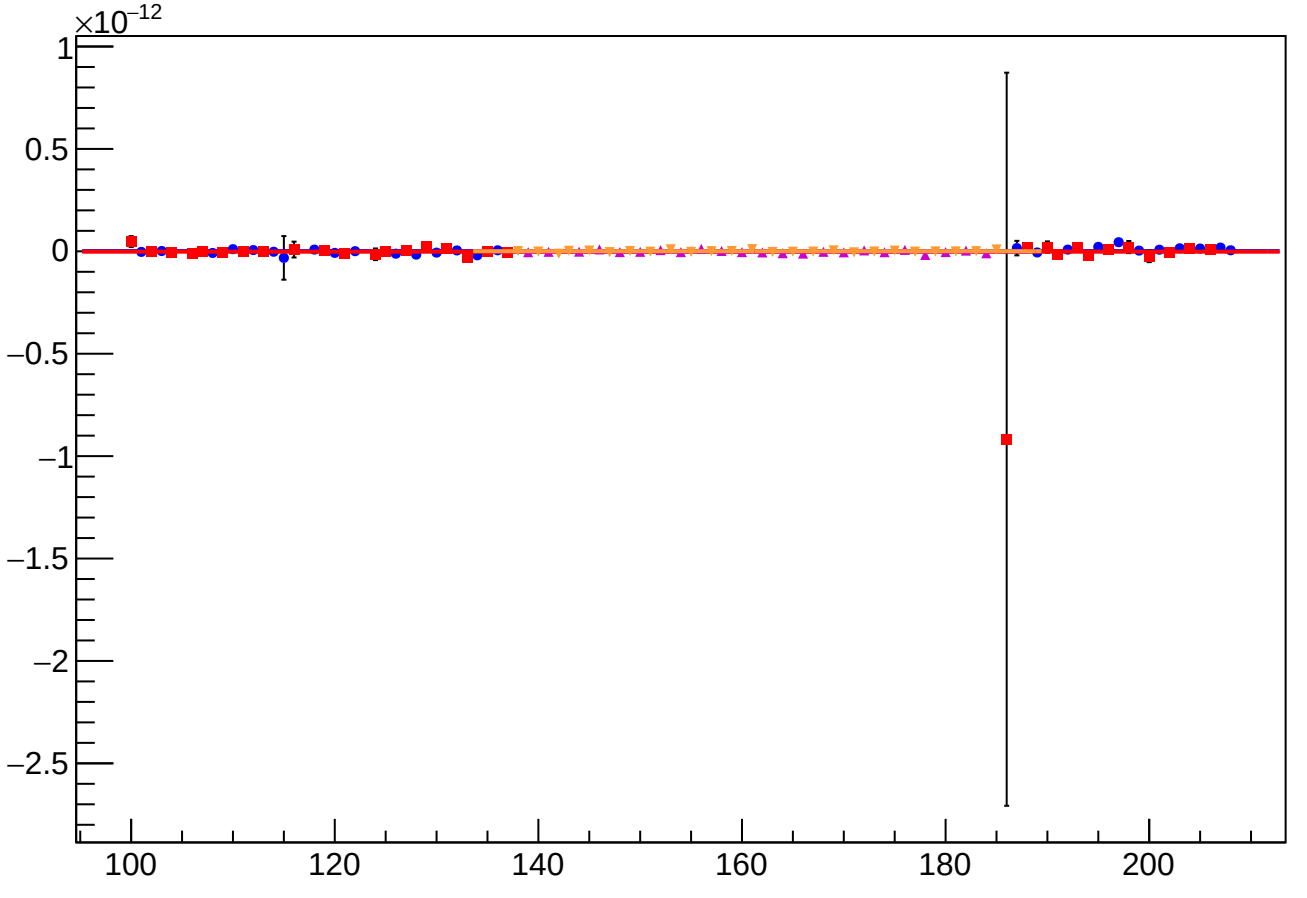
Right Out: 20.411+/-0.004 χ^2/NDF: 3946223.0/30

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.559+/-0.003 χ^2/NDF: 7959324.5/51

All: 20.604+/-0.002 χ^2/NDF: 15448163.9/105

- sign 20.649+/-0.003 χ^2/NDF: 7488273.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

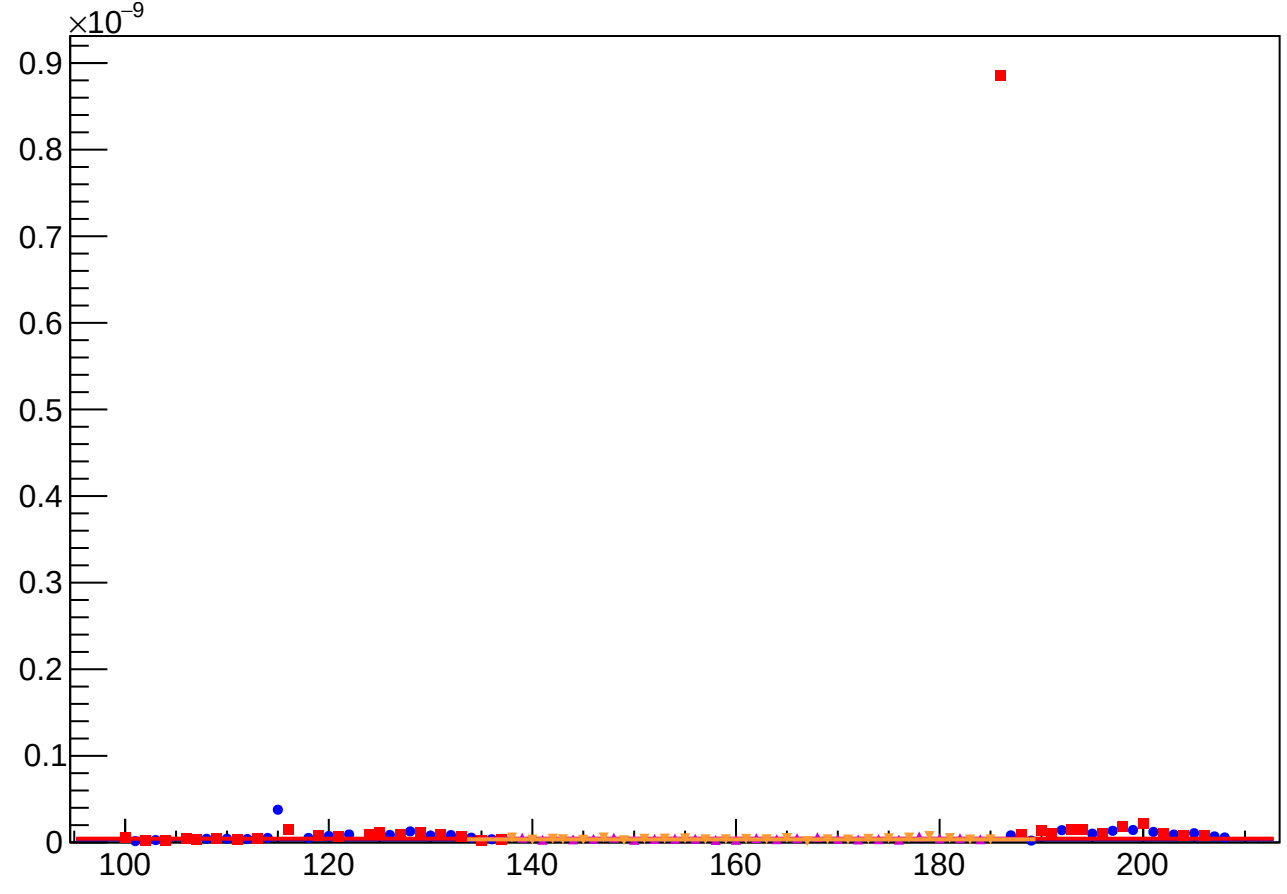
Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/30

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.8/51

All: -0.000+/-0.000 χ^2/NDF: 94.2/105

- sign -0.000+/-0.000 χ^2/NDF: 52.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 7054744.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7482290.3/30

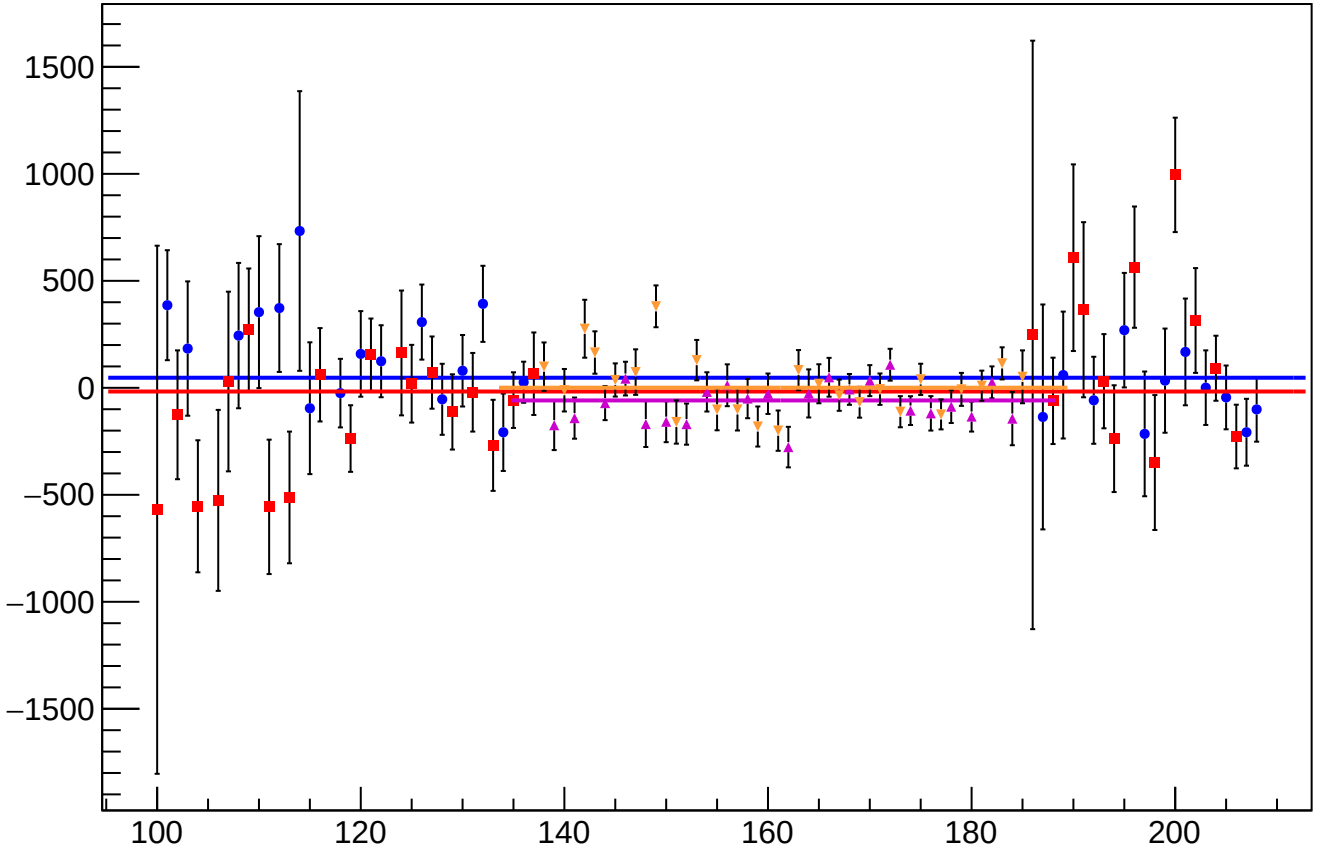
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9597418.4/51

All: 0.000+/-0.000 χ^2/NDF: 18634926.5/105

- sign 0.000+/-0.000 χ^2/NDF: 8778243.9/53

reg_asym_sam_26_avg_mean vs Slug



Right In: 47.151+/-37.756 χ^2/NDF: 20.9/26

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -17.257+/-39.978 χ^2/NDF: 45.0/30

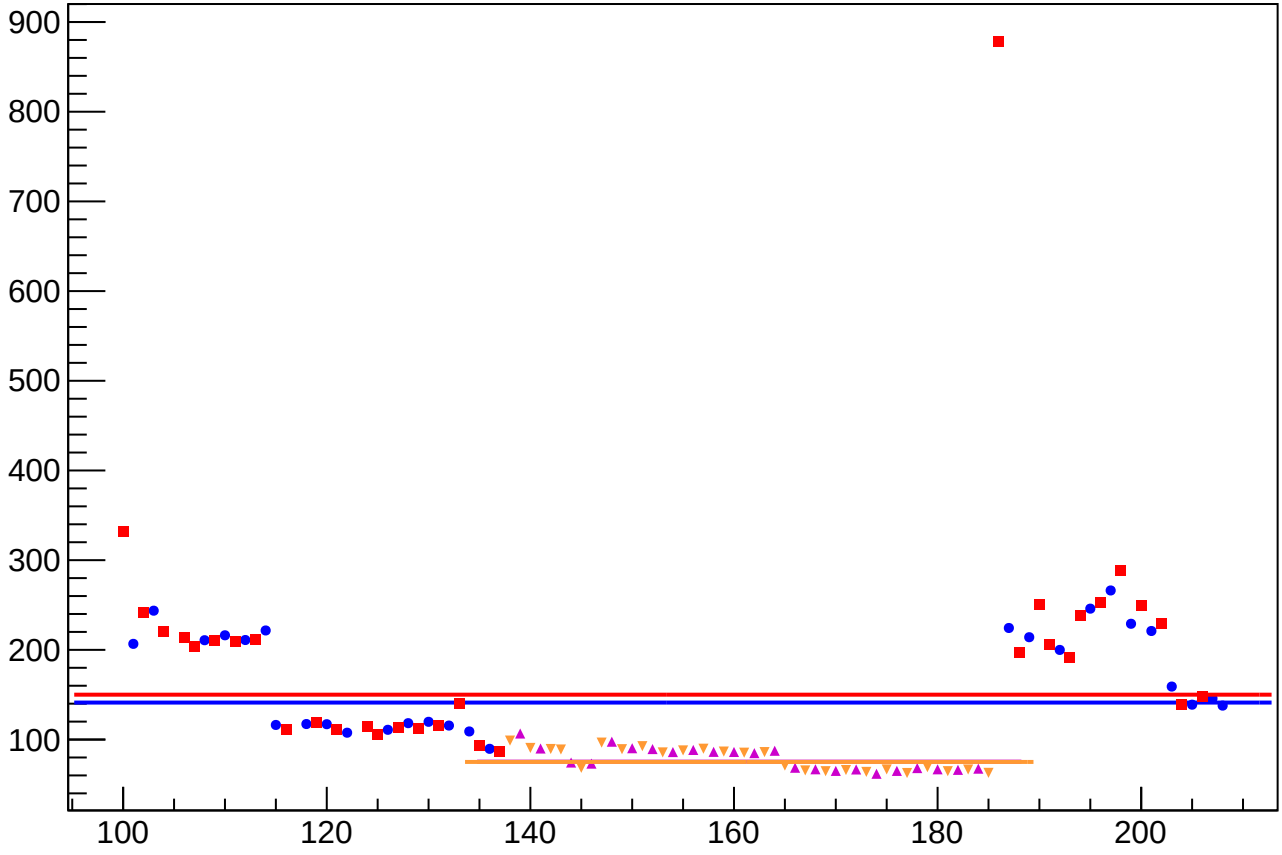
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 8.691+/-15.742 χ^2/NDF: 70.7/51

All: -20.542+/-11.331 χ^2/NDF: 149.6/105

- sign -51.965+/-16.321 χ^2/NDF: 71.8/53

reg_asym_sam_26_avg_rms vs Slug



Right In: 141.231+/-0.027 χ^2/NDF: 3137293.2/26

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

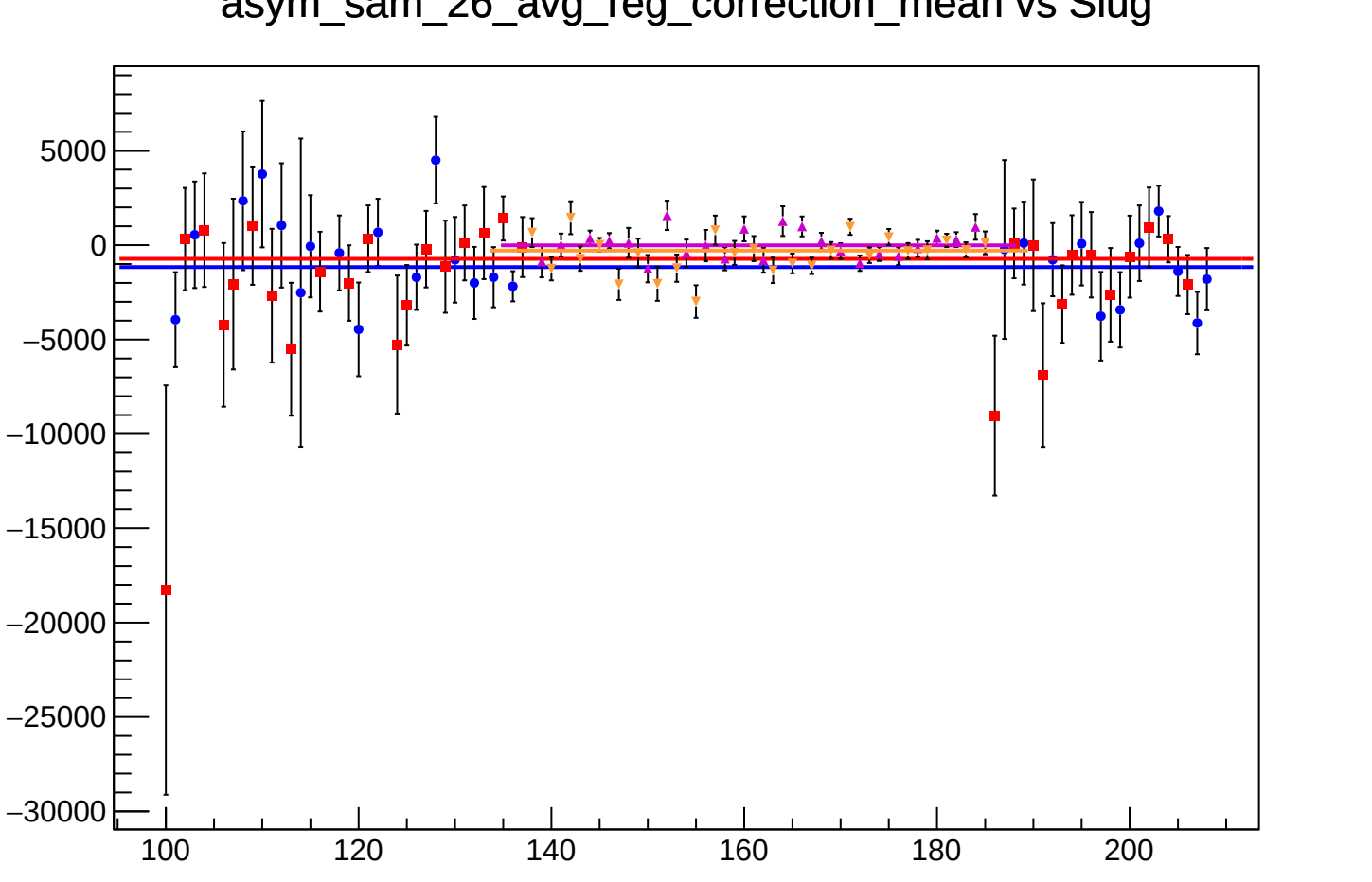
Right Out: 150.028+/-0.028 χ^2/NDF: 4189572.7/30

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 86.548+/-0.011 χ^2/NDF: 9143569.9/51

All: 87.150+/-0.008 χ^2/NDF: 19992019.0/105

- sign 87.798+/-0.012 χ^2/NDF: 10842367.8/53



Right In: -1164.136+/-361.567 χ^2/NDF: 27.9/26

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -724.633+/-392.056 χ^2/NDF: 24.9/30

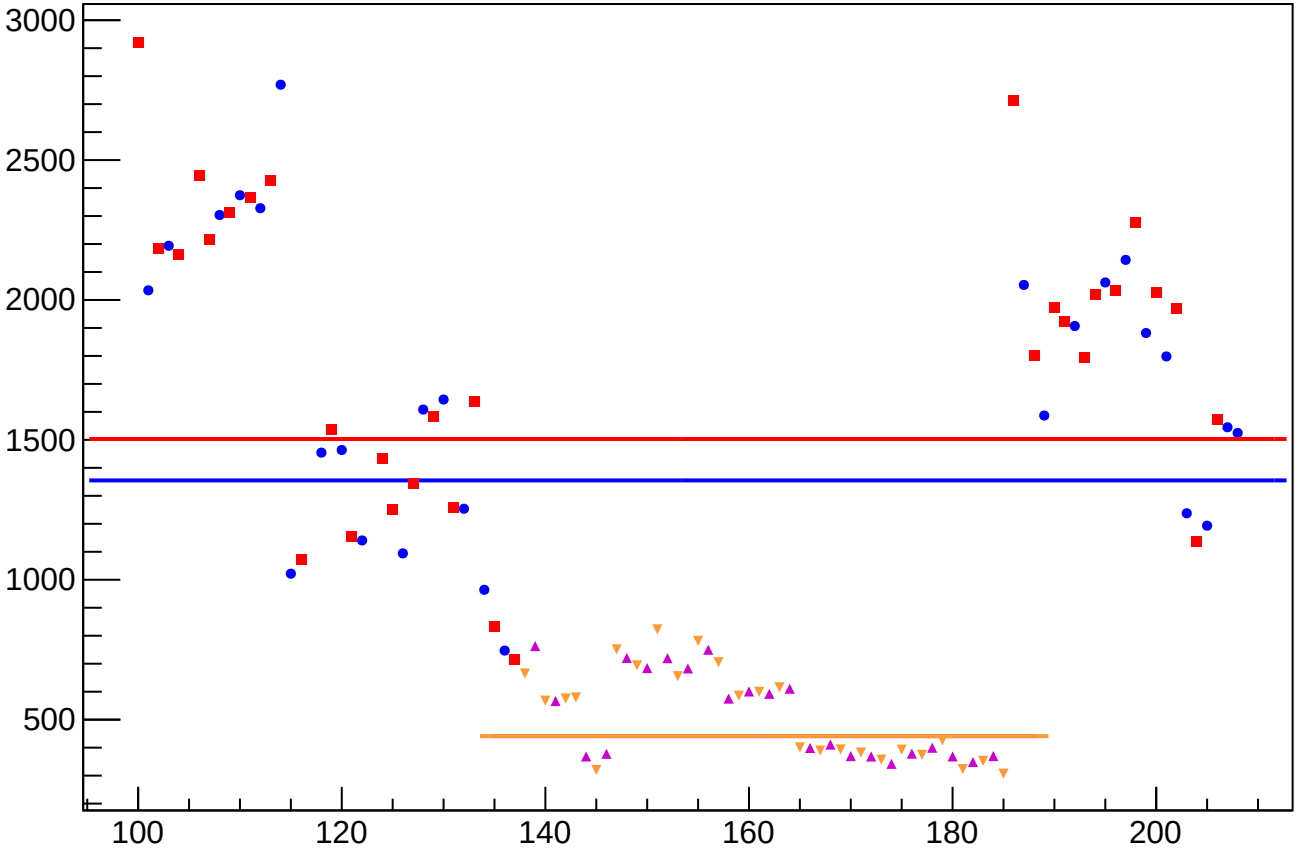
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -356.491+/-101.039 χ^2/NDF: 86.5/51

All: -212.626+/-72.410 χ^2/NDF: 152.1/105

- sign -60.716+/-103.825 χ^2/NDF: 61.4/53

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1355.139+/-0.256 χ^2/NDF: 3278705.6/26

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1503.053+/-0.277 χ^2/NDF: 3320937.7/30

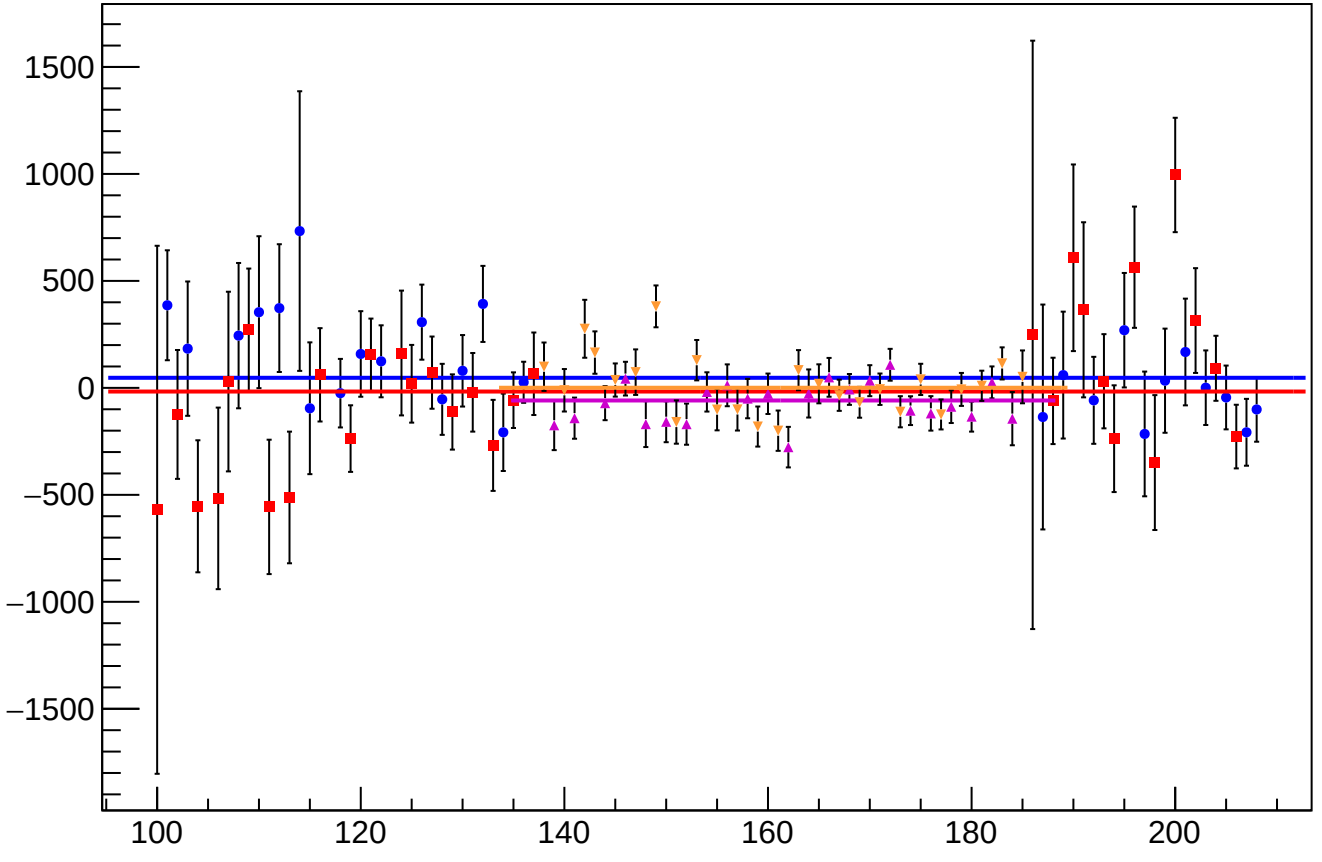
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 512.504+/-0.071 χ^2/NDF: 18295954.1/51

All: 514.042+/-0.051 χ^2/NDF: 37942192.9/10

- sign 515.665+/-0.073 χ^2/NDF: 19645286.7/53

cor_asym_sam_26_avg_mean vs Slug



Right In: 47.135+/-37.756 χ^2/NDF: 20.9/26

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -17.107+/-39.980 χ^2/NDF: 45.0/30

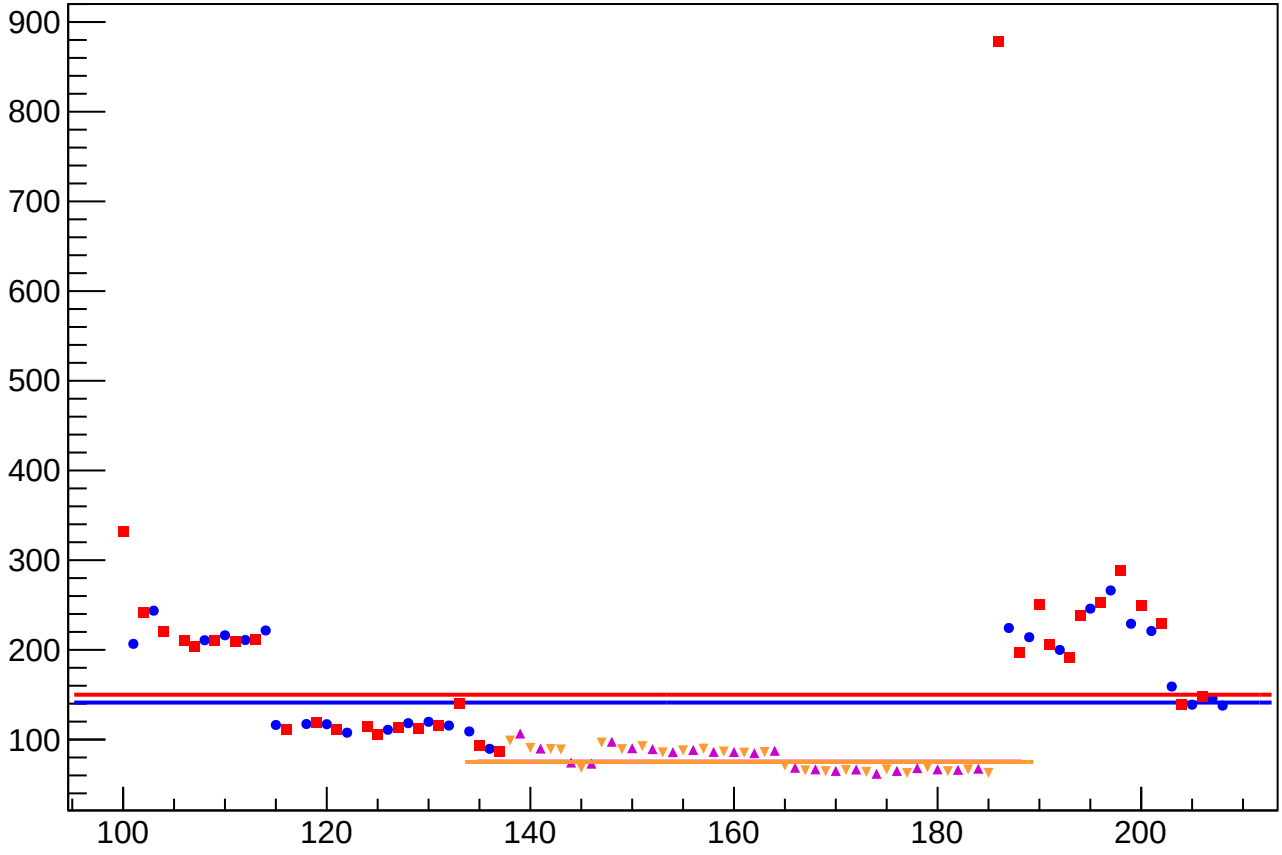
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 8.688+/-15.742 χ^2/NDF: 70.7/51

All: -20.530+/-11.331 χ^2/NDF: 149.6/105

- sign -51.938+/-16.321 χ^2/NDF: 71.7/53

cor_asym_sam_26_avg_rms vs Slug



Right In: 141.231+/-0.027 χ^2/NDF: 3137295.7/26

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

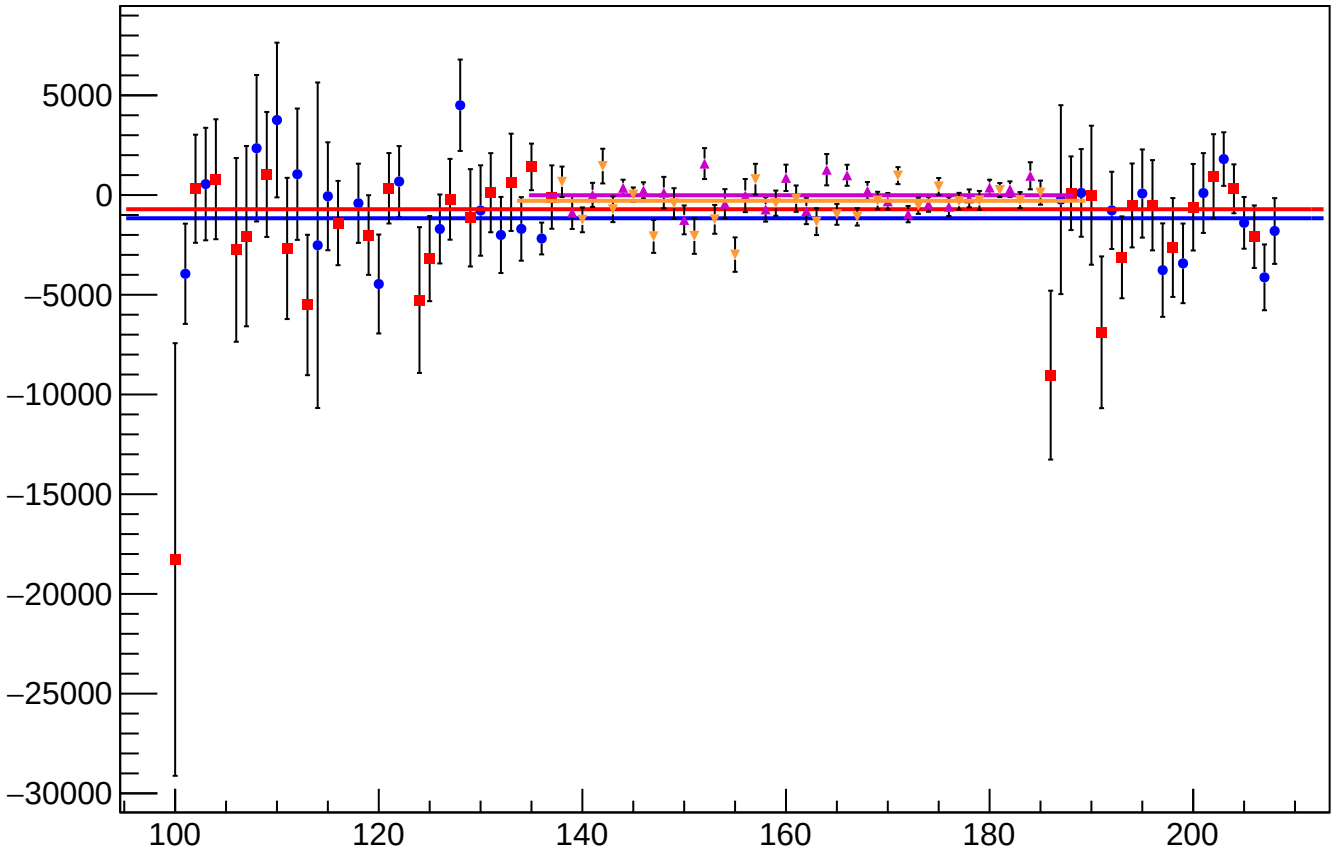
Right Out: 149.997+/-0.028 χ^2/NDF: 4185302.7/30

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 86.548+/-0.011 χ^2/NDF: 9143571.9/51

All: 87.148+/-0.008 χ^2/NDF: 19982475.2/105

- sign 87.792+/-0.012 χ^2/NDF: 10832880.3/53



Right In: -1164.129+/-361.568 χ^2/NDF: 27.9/26

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -710.820+/-392.246 χ^2/NDF: 24.4/30

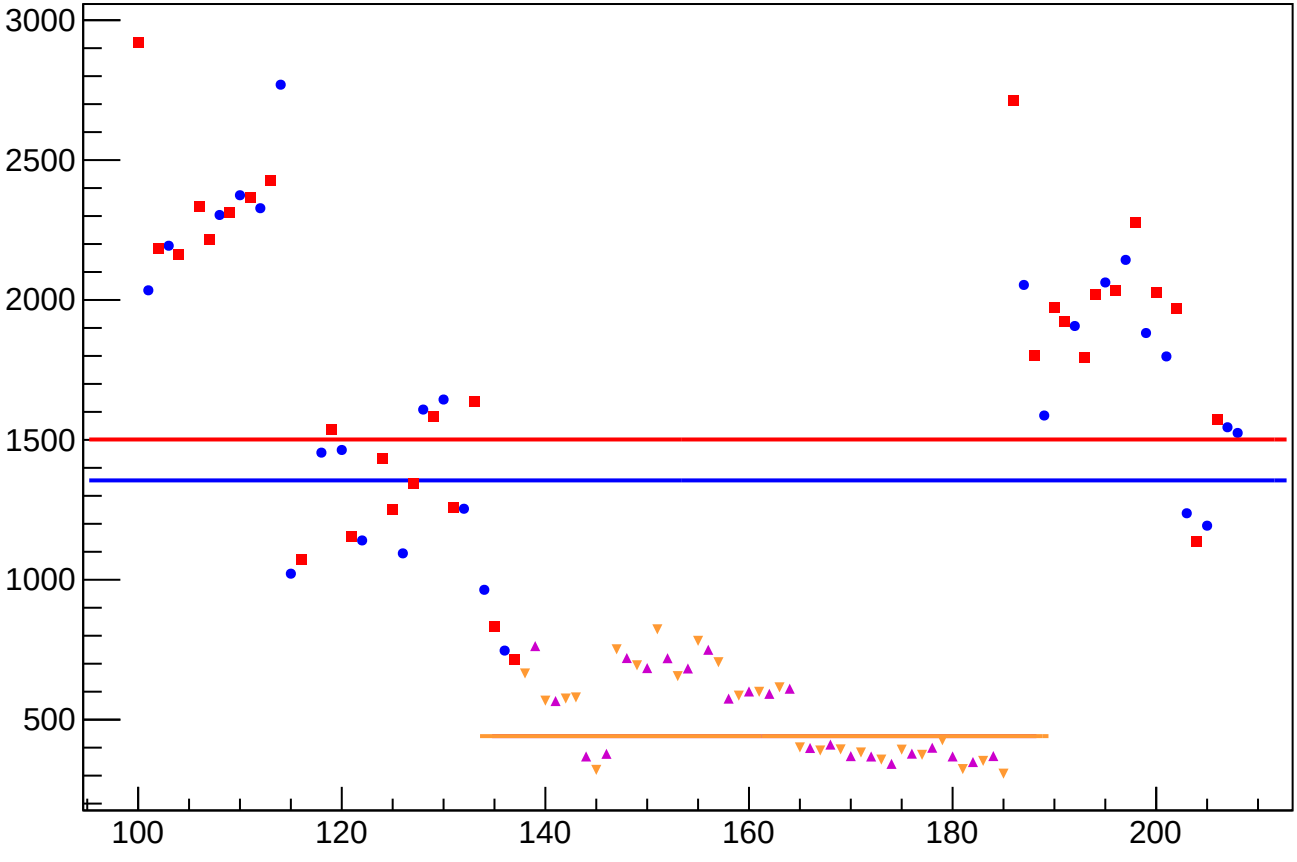
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -356.490+/-101.039 χ^2/NDF: 86.5/51

All: -212.138+/-72.412 χ^2/NDF: 151.5/105

- sign -59.704+/-103.829 χ^2/NDF: 60.8/53

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1355.139+/-0.256 χ^2/NDF: 3278735.8/26

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1501.387+/-0.277 χ^2/NDF: 3292134.1/30

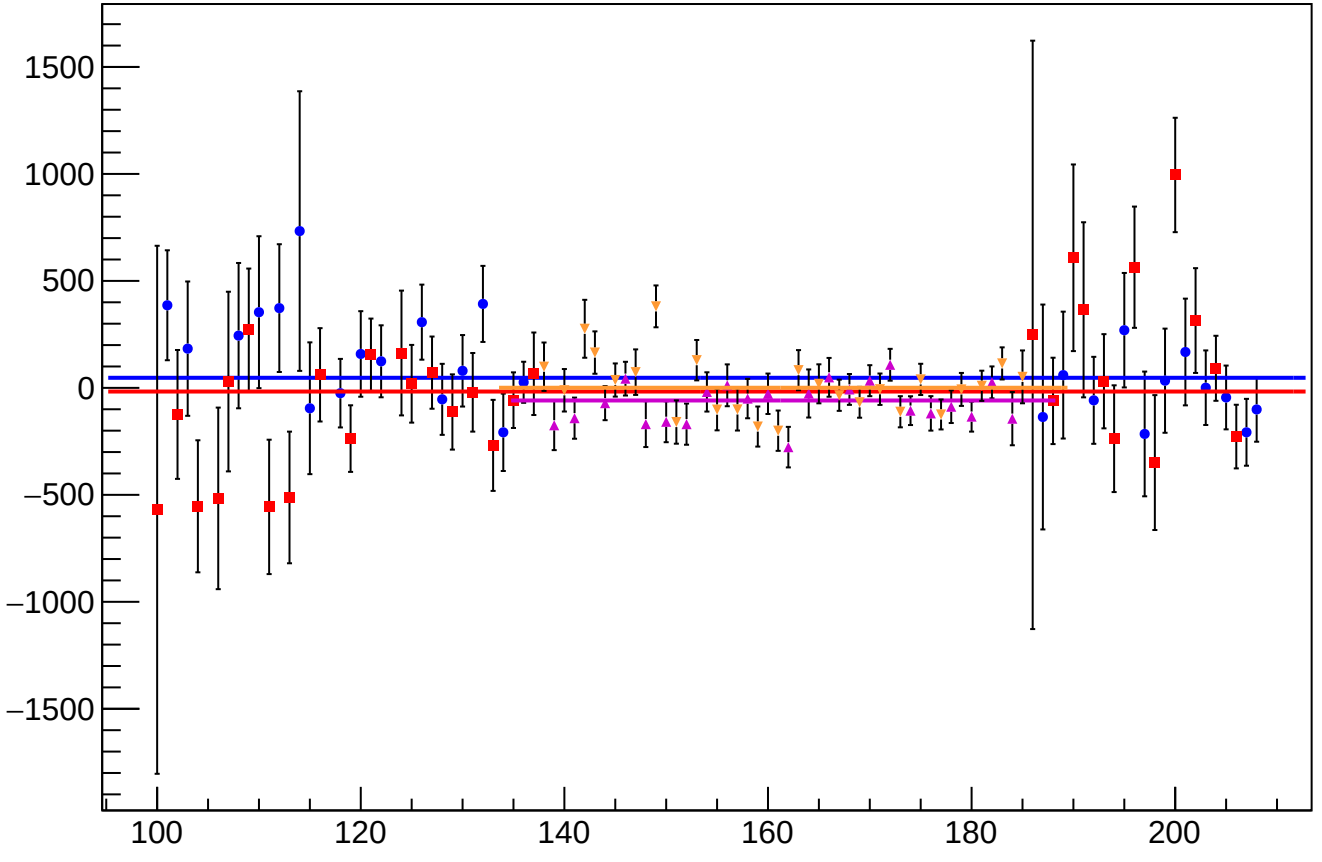
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 512.504+/-0.071 χ^2/NDF: 18295962.4/51

All: 513.952+/-0.051 χ^2/NDF: 37858271.7/10

- sign 515.482+/-0.073 χ^2/NDF: 19561464.5/53

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 47.135+/-37.756 χ^2/NDF: 20.9/26

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -17.107+/-39.980 χ^2/NDF: 45.0/30

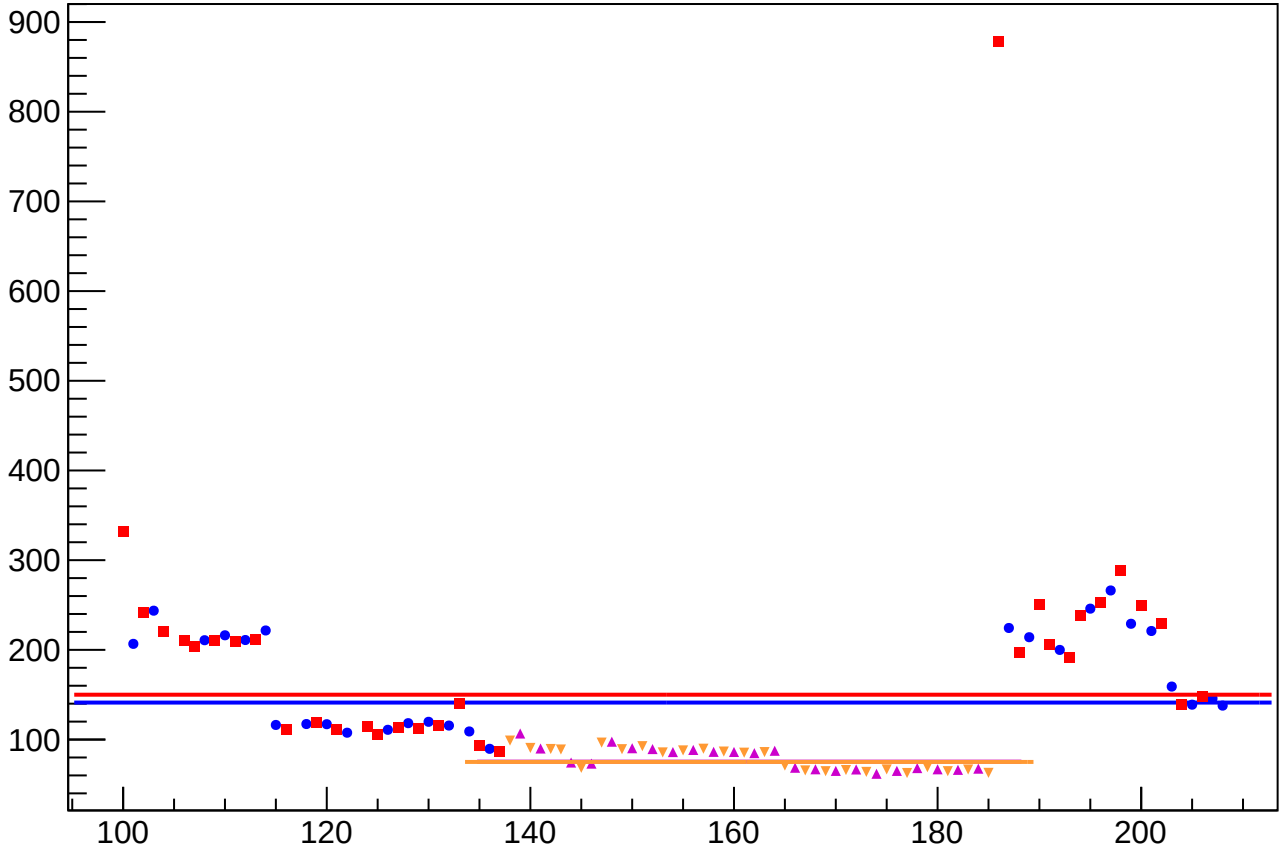
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 8.688+/-15.742 χ^2/NDF: 70.7/51

All: -20.530+/-11.331 χ^2/NDF: 149.6/105

- sign -51.938+/-16.321 χ^2/NDF: 71.7/53

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 141.231+/-0.027 χ^2/NDF: 3137295.7/26

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

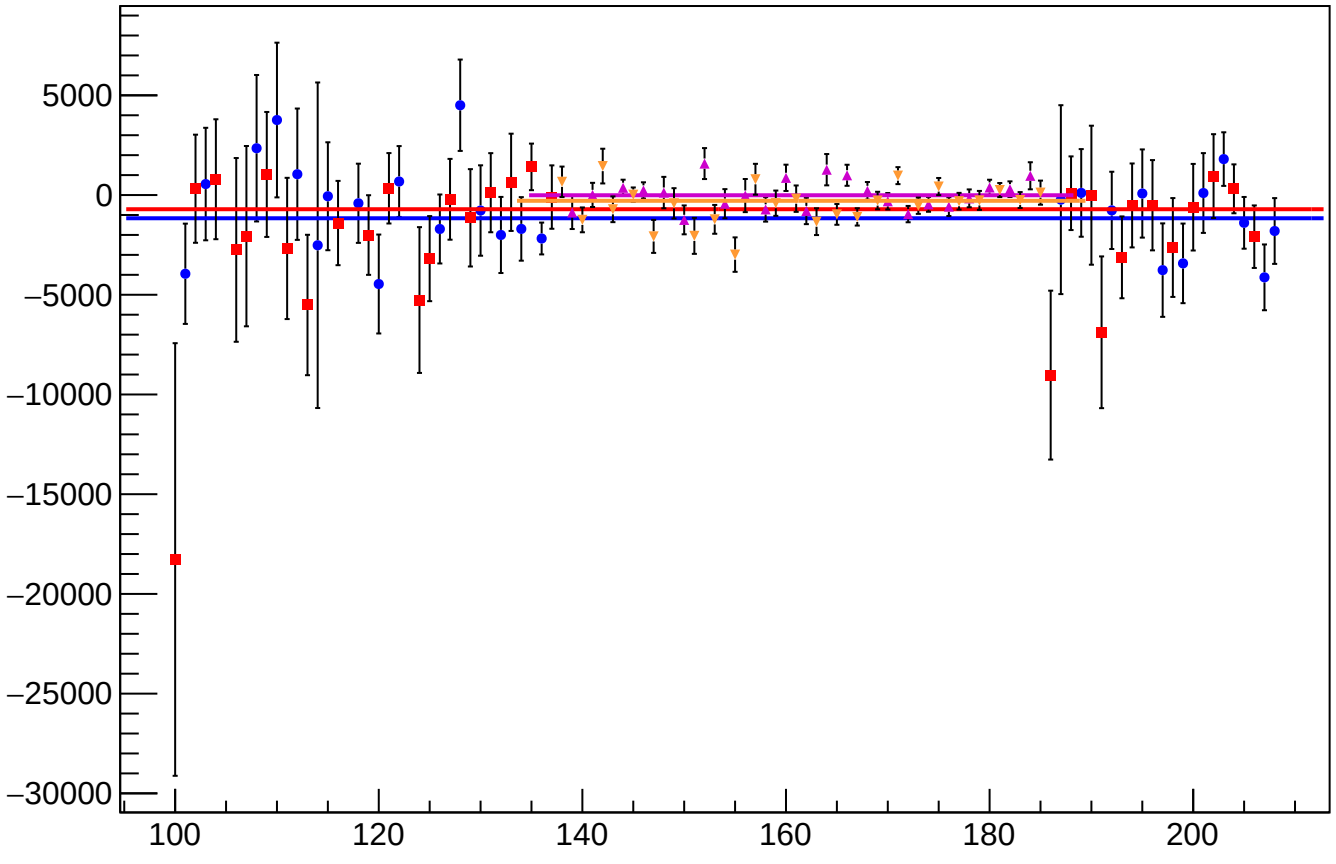
Right Out: 149.997+/-0.028 χ^2/NDF: 4185302.7/30

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 86.548+/-0.011 χ^2/NDF: 9143571.9/51

All: 87.148+/-0.008 χ^2/NDF: 19982475.2/105

- sign 87.792+/-0.012 χ^2/NDF: 10832880.3/53



Right In: -1164.129+/-361.568 χ^2/NDF: 27.9/26

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -710.820+/-392.246 χ^2/NDF: 24.4/30

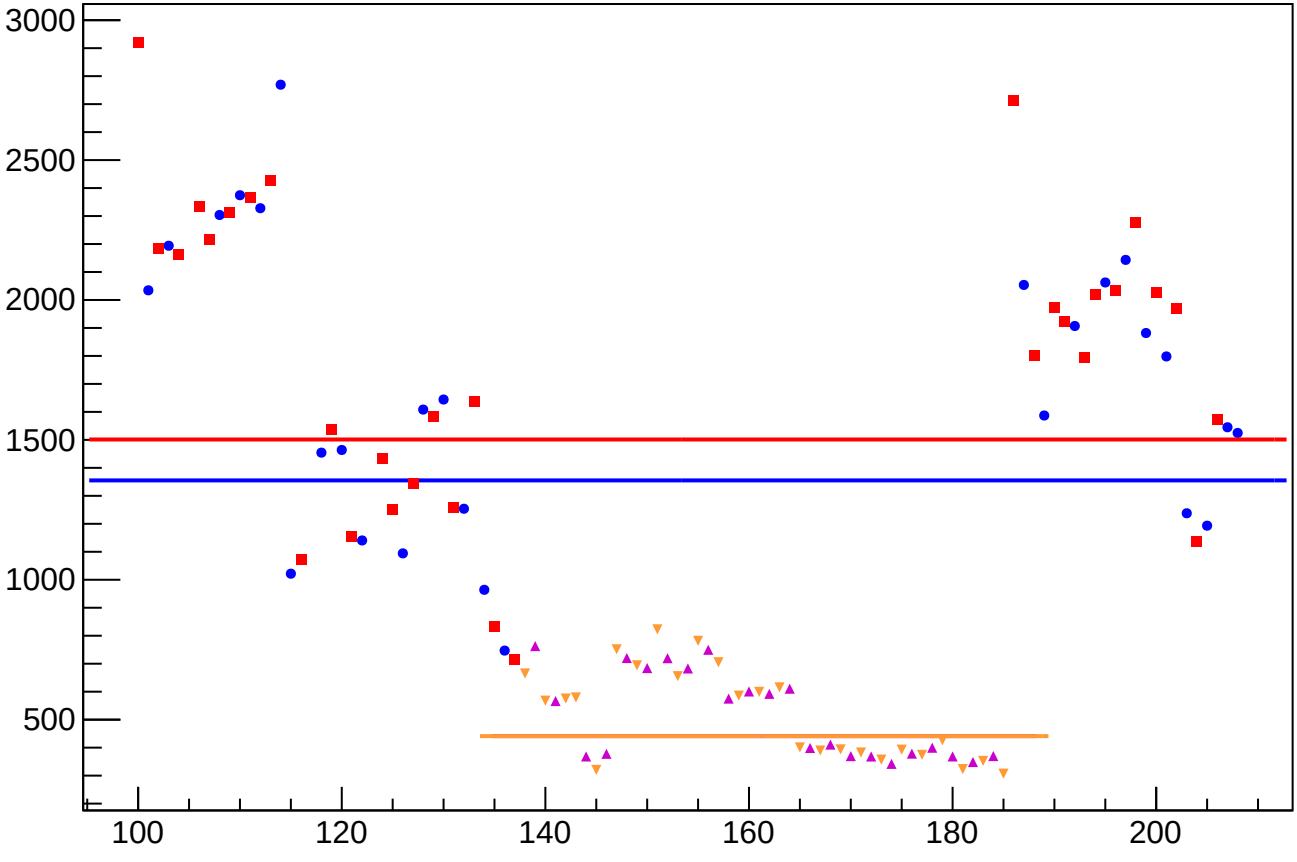
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -356.490+/-101.039 χ^2/NDF: 86.5/51

All: -212.138+/-72.412 χ^2/NDF: 151.5/105

- sign -59.704+/-103.829 χ^2/NDF: 60.8/53

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1355.139+/-0.256 χ^2/NDF: 3278735.8/26

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1501.387+/-0.277 χ^2/NDF: 3292134.1/30

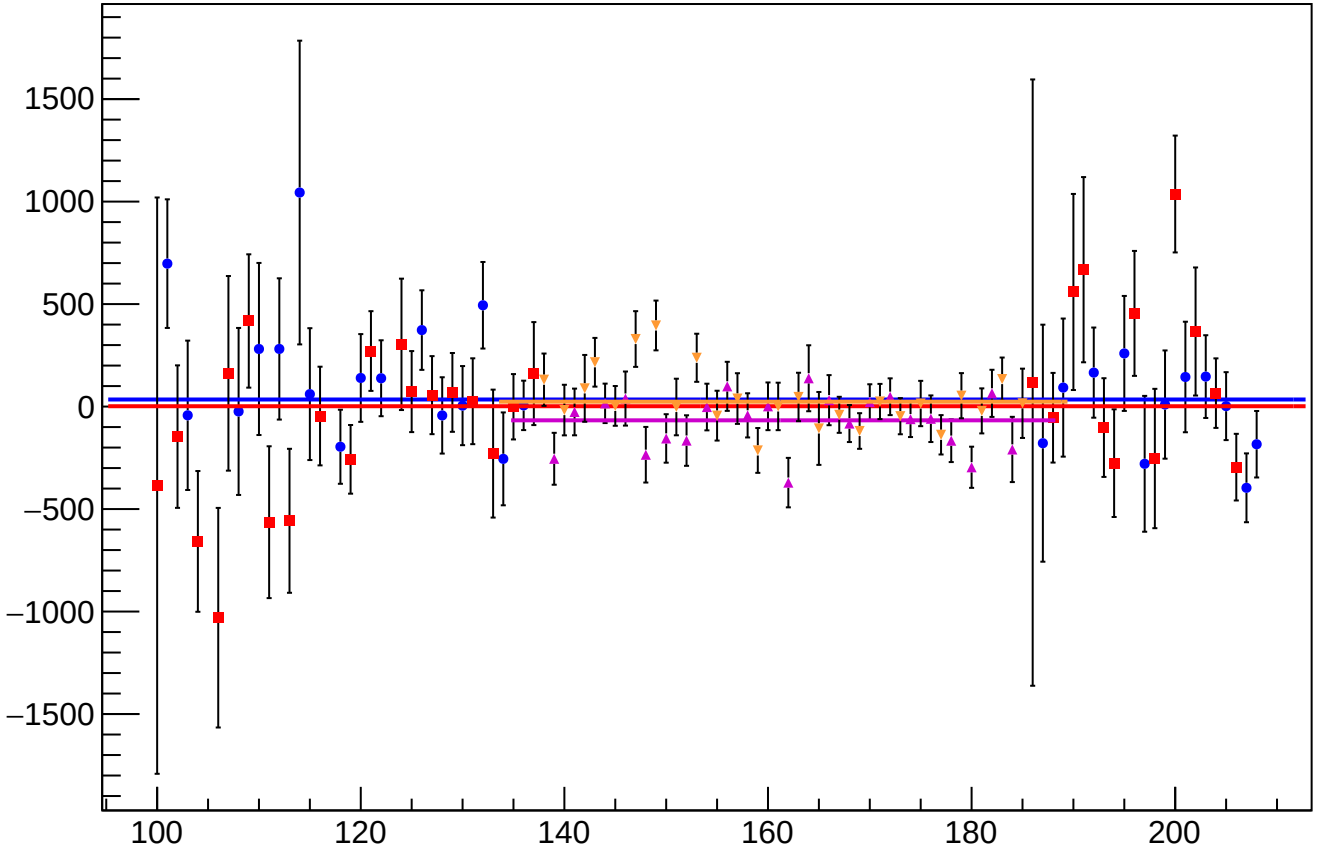
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 512.504+/-0.071 χ^2/NDF: 18295962.4/51

All: 513.952+/-0.051 χ^2/NDF: 37858271.7/10

- sign 515.482+/-0.073 χ^2/NDF: 19561464.5/53

dit_asym_sam_26_avg_mean vs Slug



Right In: 34.516+/-43.005 χ^2/NDF: 30.1/26

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 1.687+/-45.428 χ^2/NDF: 46.5/30

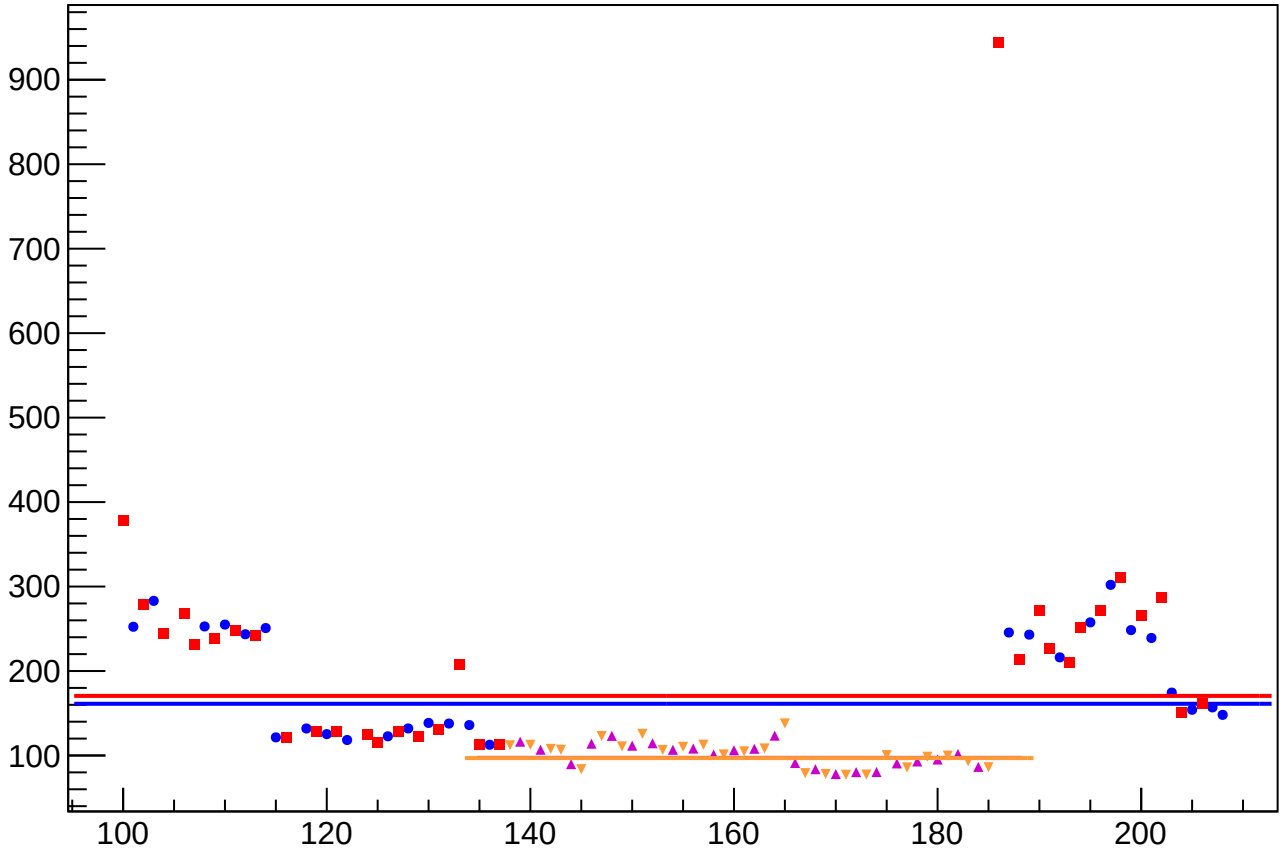
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 26.147+/-19.876 χ^2/NDF: 65.3/51

All: -11.970+/-14.306 χ^2/NDF: 149.9/105

- sign -52.936+/-20.606 χ^2/NDF: 77.0/53

dit_asym_sam_26_avg_rms vs Slug



Right In: 161.212+/-0.030 χ^2/NDF: 2806509.8/26

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

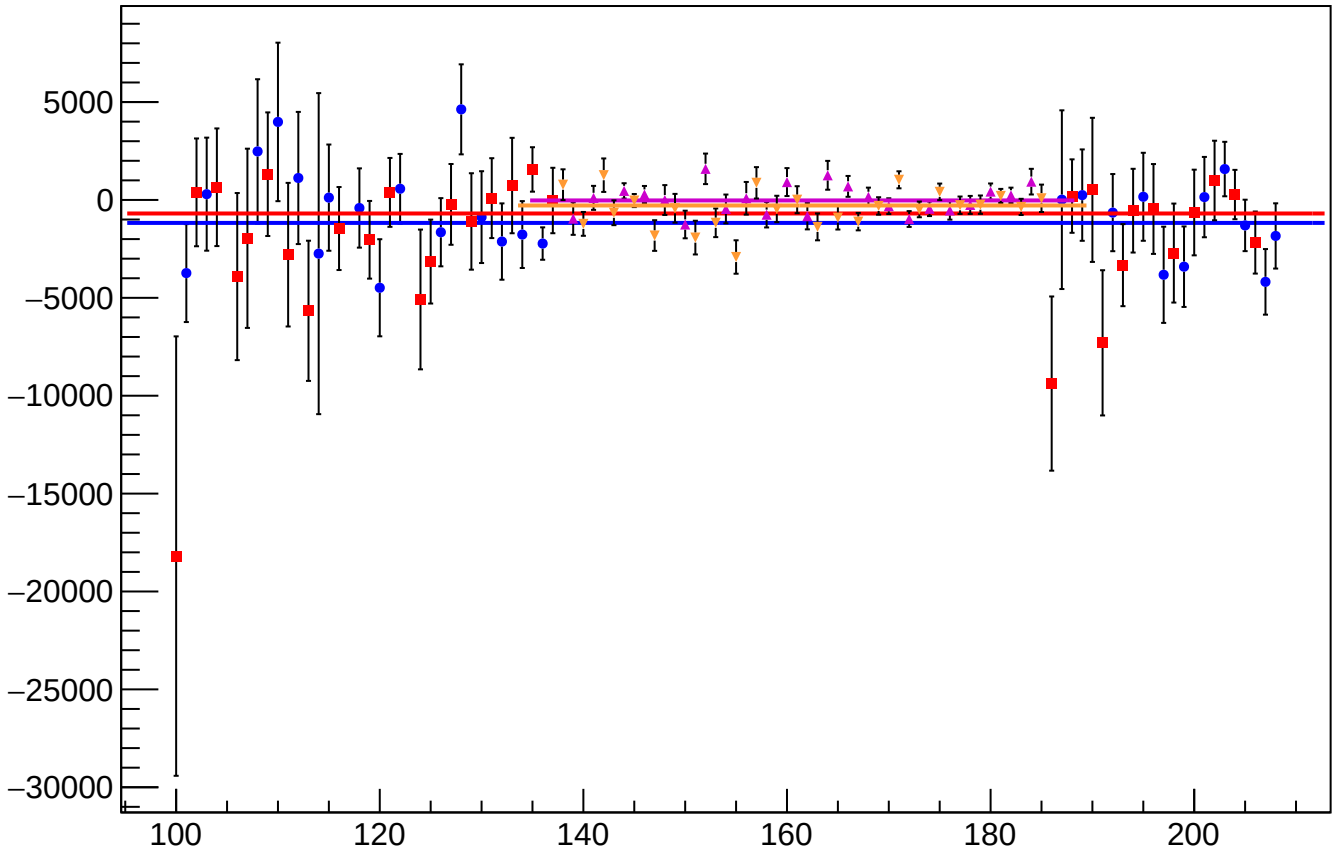
Right Out: 170.535+/-0.032 χ^2/NDF: 3952675.5/30

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 110.644+/-0.014 χ^2/NDF: 7257028.4/51

All: 111.424+/-0.010 χ^2/NDF: 16034085.5/10

- sign 112.262+/-0.015 χ^2/NDF: 8770665.5/53



Right In: -1173.033+/-370.602 χ^2/NDF: 26.9/26

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -691.696+/-395.365 χ^2/NDF: 26.3/30

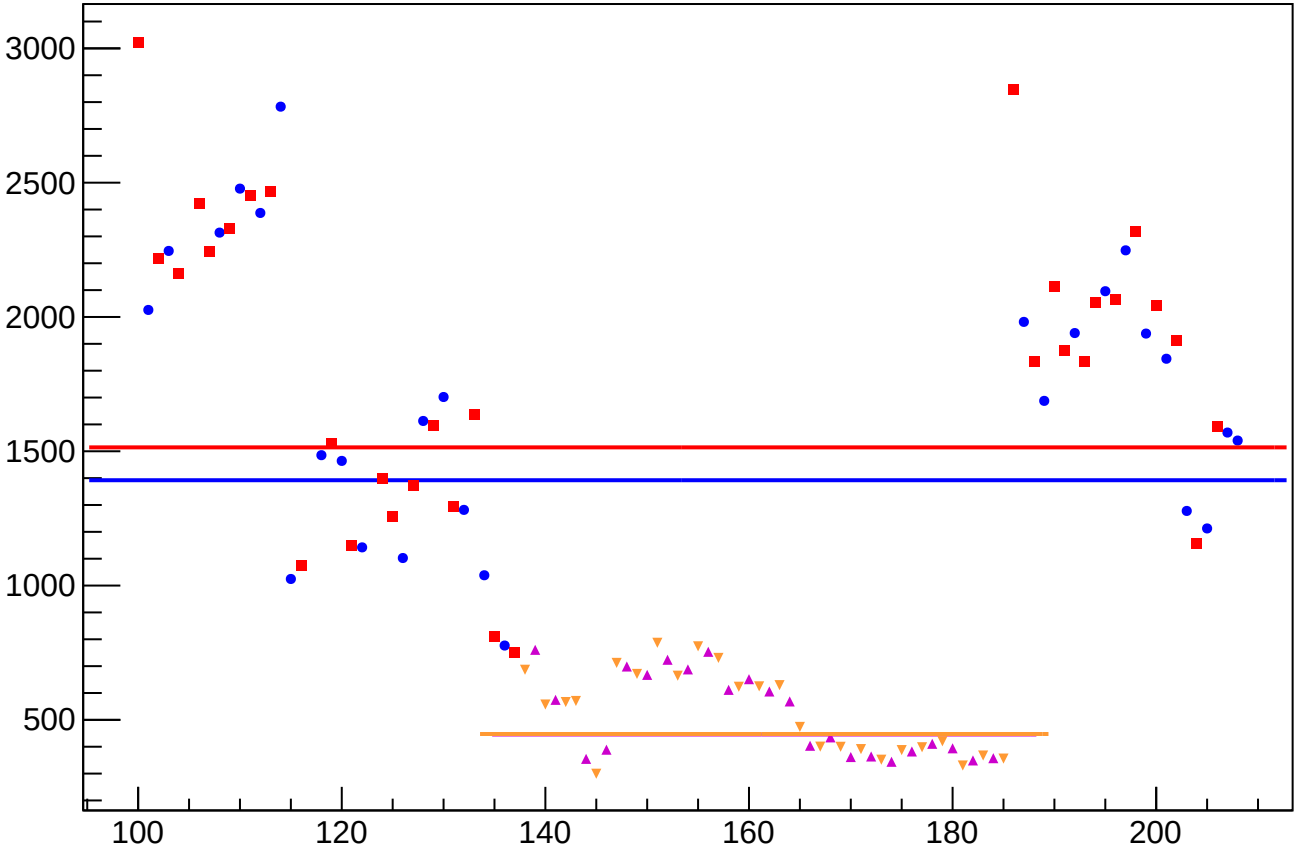
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -350.235+/-102.263 χ^2/NDF: 82.7/51

All: -214.589+/-73.251 χ^2/NDF: 148.1/105

- sign -71.653+/-104.975 χ^2/NDF: 61.8/53

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1392.195+/-0.262 χ^2/NDF: 3178371.0/26

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1514.517+/-0.280 χ^2/NDF: 3393518.9/30

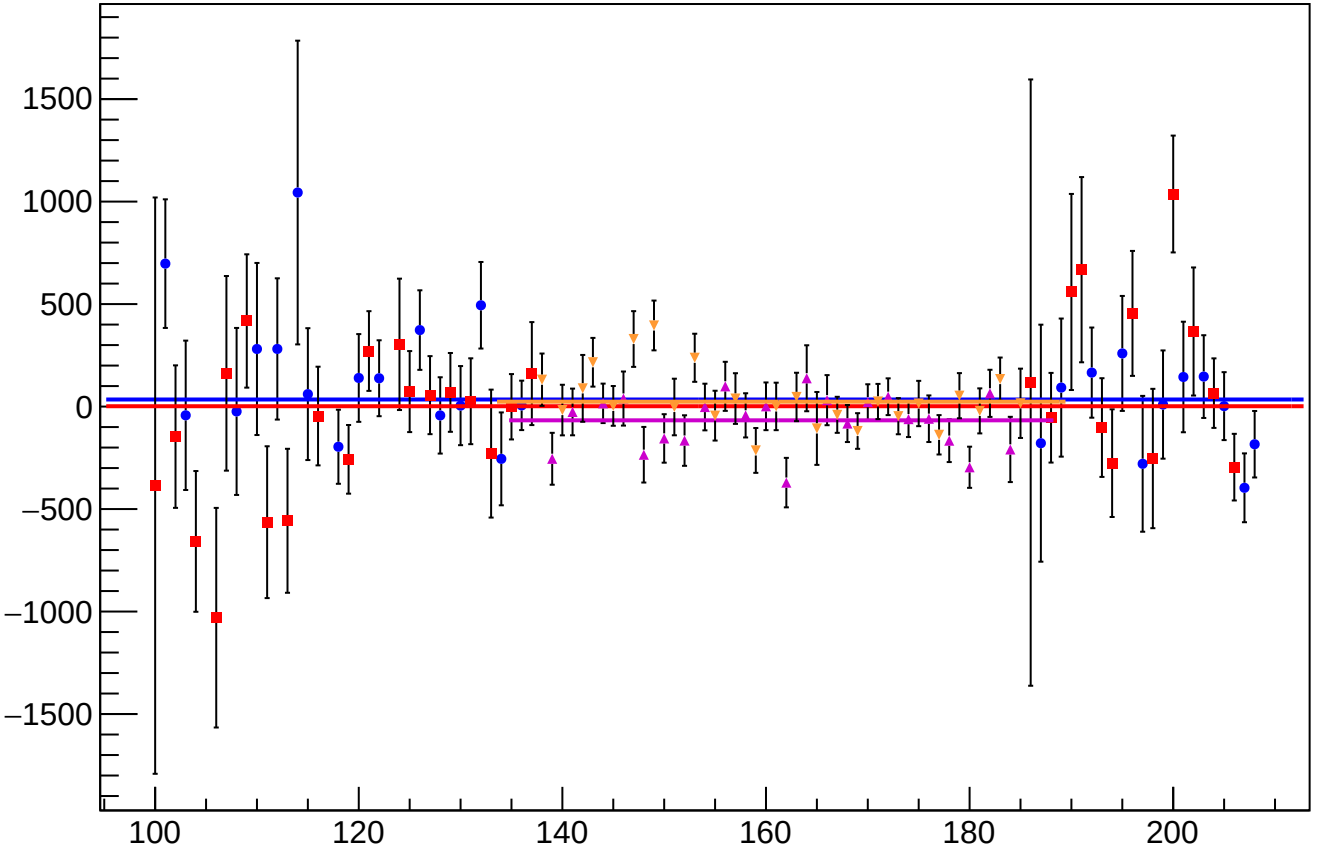
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

\+ sign 519.325+/-0.072 χ^2/NDF: 18385165.7/51

All: 520.071+/-0.052 χ^2/NDF: 38083452.6/10

\- sign 520.856+/-0.074 χ^2/NDF: 19698068.9/53

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 34.519+/-43.005 χ^2/NDF: 30.1/26

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 1.686+/-45.428 χ^2/NDF: 46.5/30

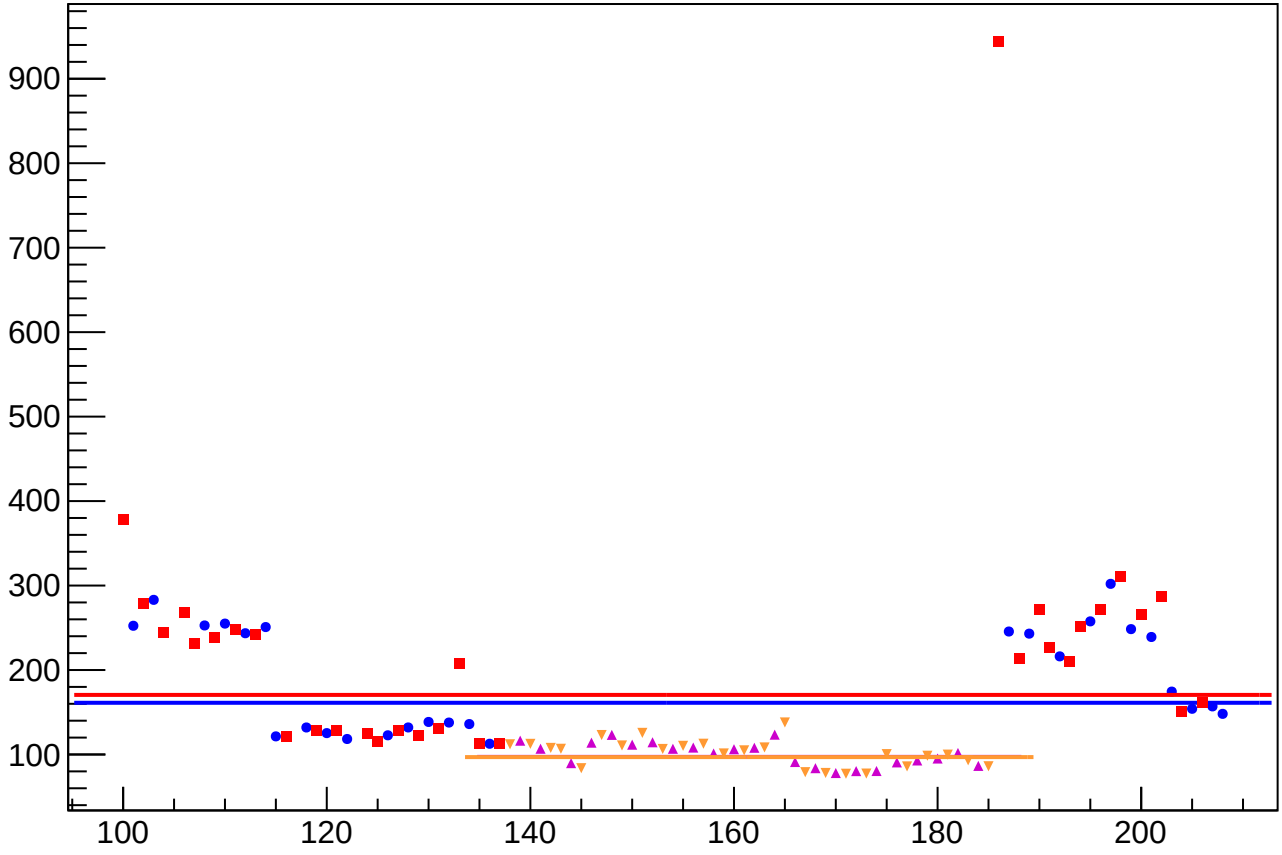
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 26.146+/-19.876 χ^2/NDF: 65.3/51

All: -11.971+/-14.306 χ^2/NDF: 149.9/105

- sign -52.936+/-20.606 χ^2/NDF: 77.0/53

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 161.211+/-0.030 χ^2/NDF: 2806518.2/26

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

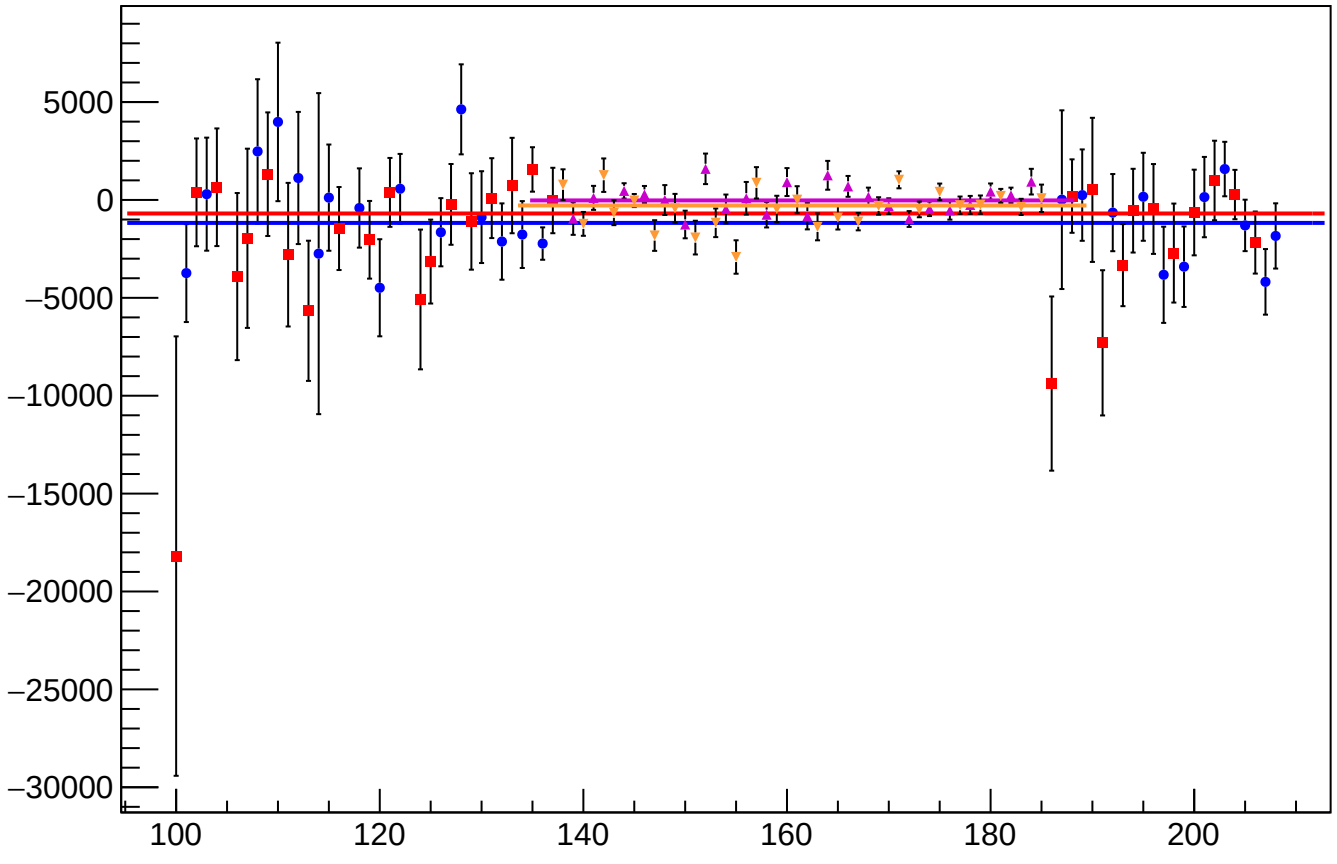
Right Out: 170.535+/-0.032 χ^2/NDF: 3952679.9/30

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 110.644+/-0.014 χ^2/NDF: 7256960.9/51

All: 111.424+/-0.010 χ^2/NDF: 16033945.4/10

- sign 112.263+/-0.015 χ^2/NDF: 8770592.0/53



Right In: -1173.031+/-370.602 χ^2/NDF: 26.9/26

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

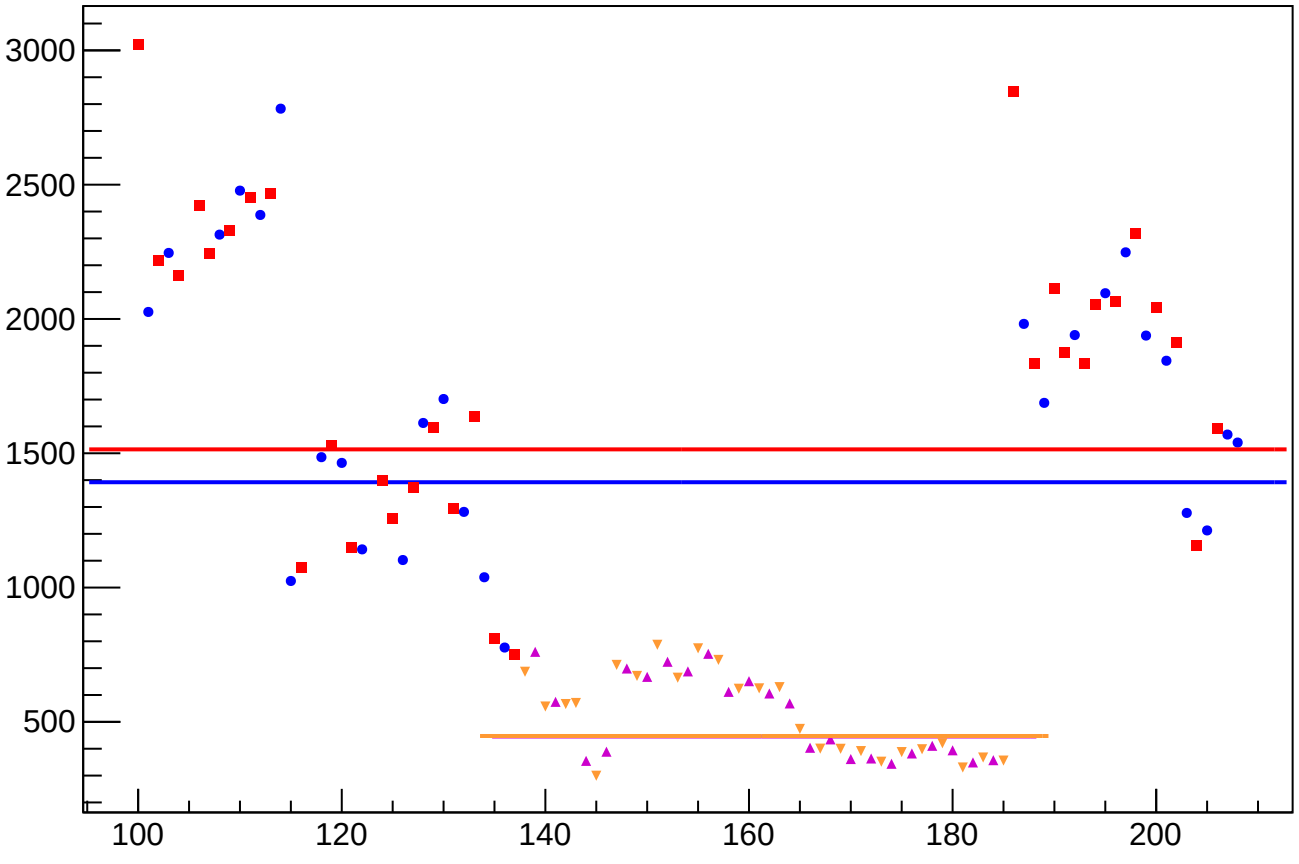
Right Out: -691.698+/-395.365 χ^2/NDF: 26.3/30

Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -350.234+/-102.263 χ^2/NDF: 82.7/51

All: -214.589+/-73.251 χ^2/NDF: 148.1/105

- sign -71.653+/-104.975 χ^2/NDF: 61.8/53



Right In: 1392.196+/-0.262 χ^2/NDF: 3178350.9/26

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1514.517+/-0.280 χ^2/NDF: 3393502.1/30

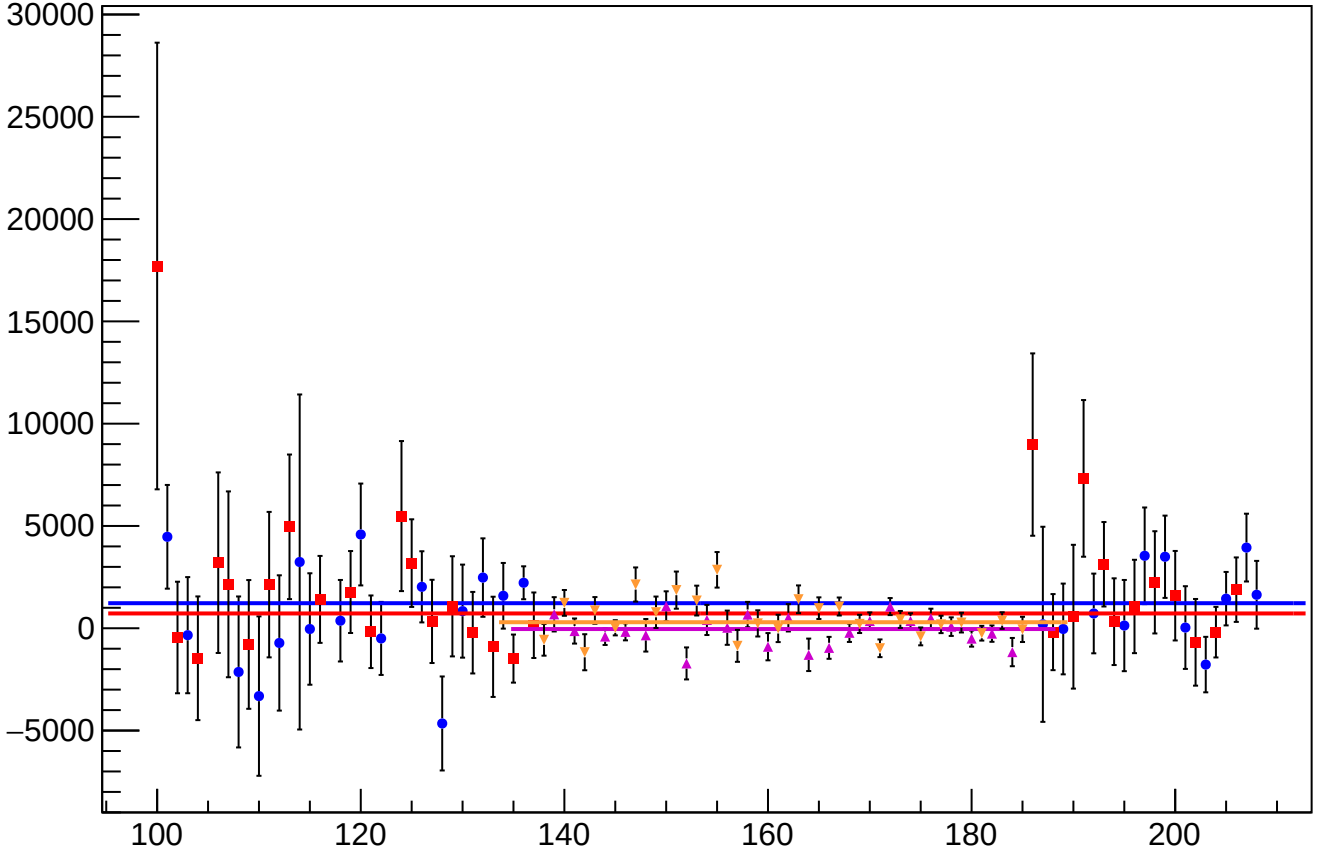
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 519.325+/-0.072 χ^2/NDF: 18385192.5/51

All: 520.070+/-0.052 χ^2/NDF: 38083491.1/10

- sign 520.855+/-0.074 χ^2/NDF: 19698080.5/53

asym_sam_26_avg_mean vs Slug



Right In: 1224.778+/-364.021 χ^2/NDF: 27.4/26

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 723.589+/-394.598 χ^2/NDF: 23.5/30

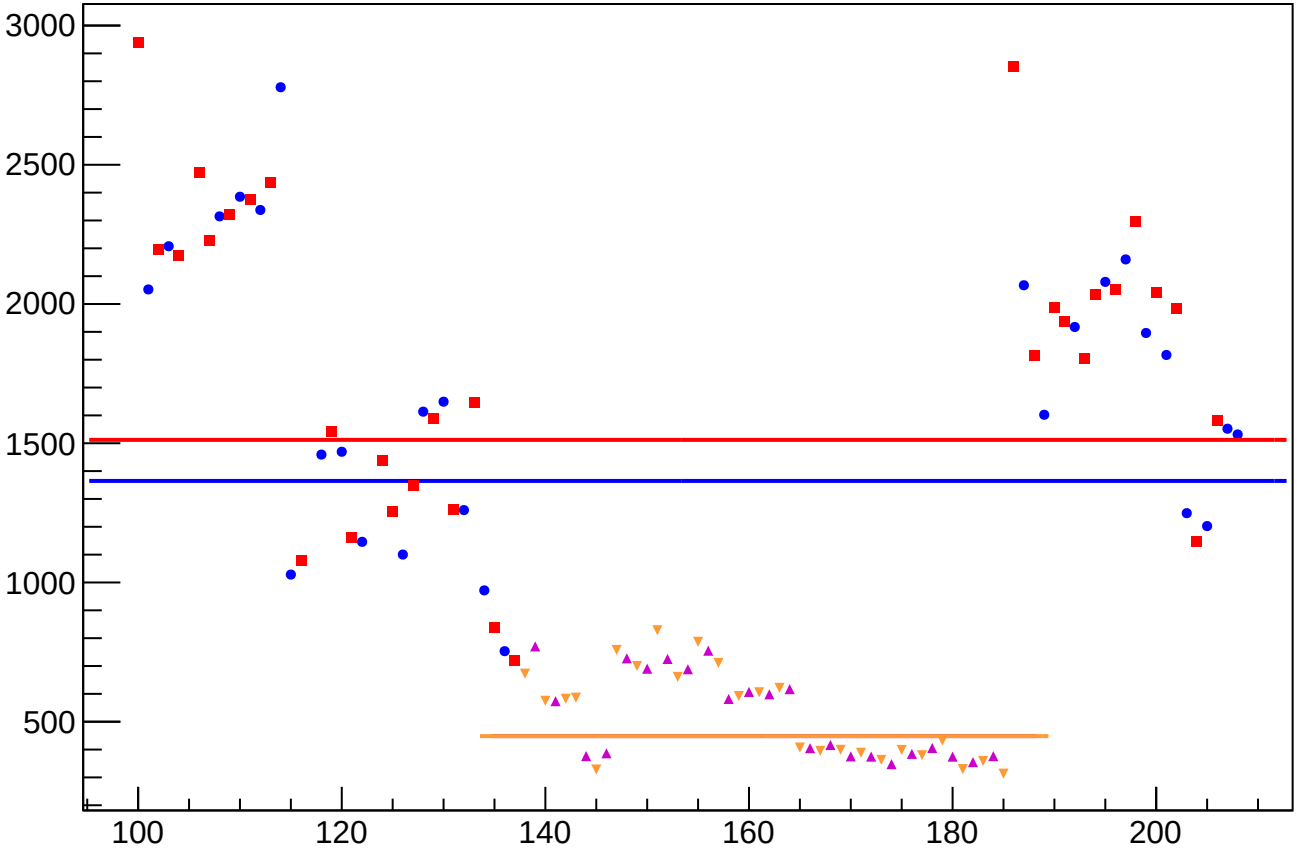
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 368.708+/-102.489 χ^2/NDF: 83.9/51

All: 197.294+/-73.461 χ^2/NDF: 149.6/105

- sign 16.184+/-105.348 χ^2/NDF: 59.9/53

asym_sam_26_avg_rms vs Slug



Right In: 1364.682+/-0.257 χ^2/NDF: 3266772.3/26

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

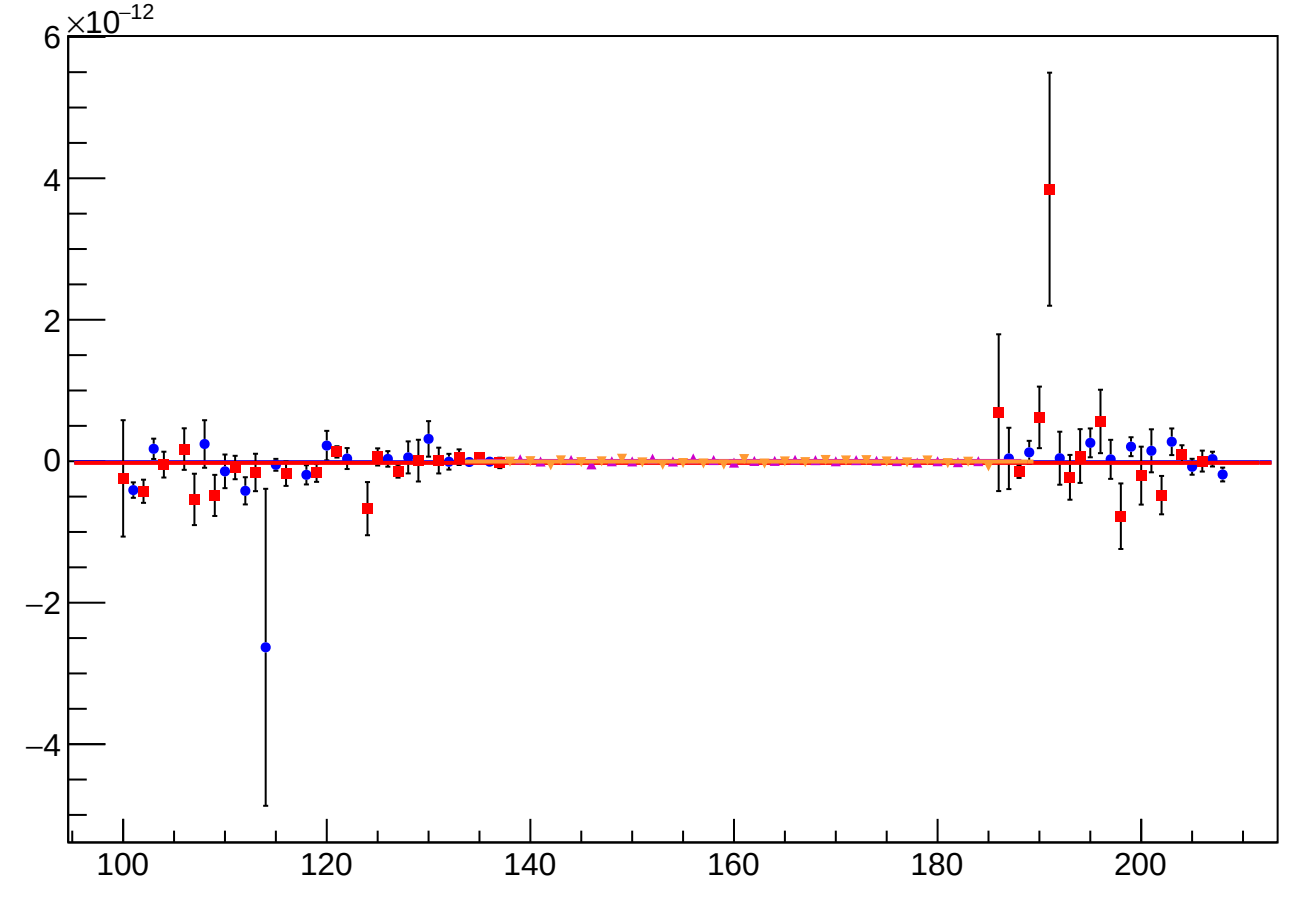
Right Out: 1512.161+/-0.279 χ^2/NDF: 3340253.6/30

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 520.920+/-0.072 χ^2/NDF: 18094019.2/51

All: 522.524+/-0.052 χ^2/NDF: 37554901.1/10

- sign 524.217+/-0.074 χ^2/NDF: 19459875.6/53



Right In: -0.000+/-0.000 χ^2/NDF: 38.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

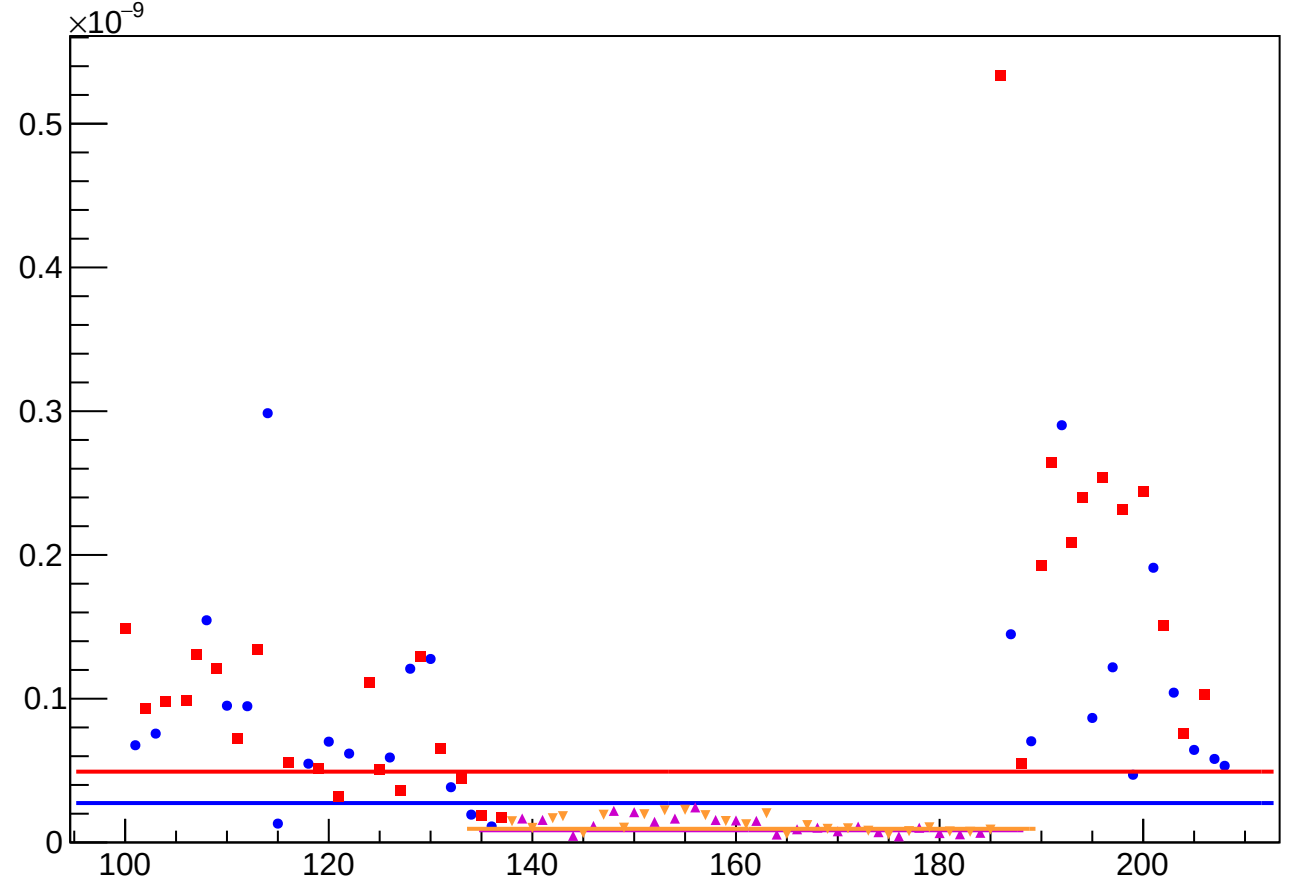
Right Out: -0.000+/-0.000 χ^2/NDF: 44.5/30

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.8/51

All: -0.000+/-0.000 χ^2/NDF: 126.6/105

- sign 0.000+/-0.000 χ^2/NDF: 62.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 6797225.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5811931.0/30

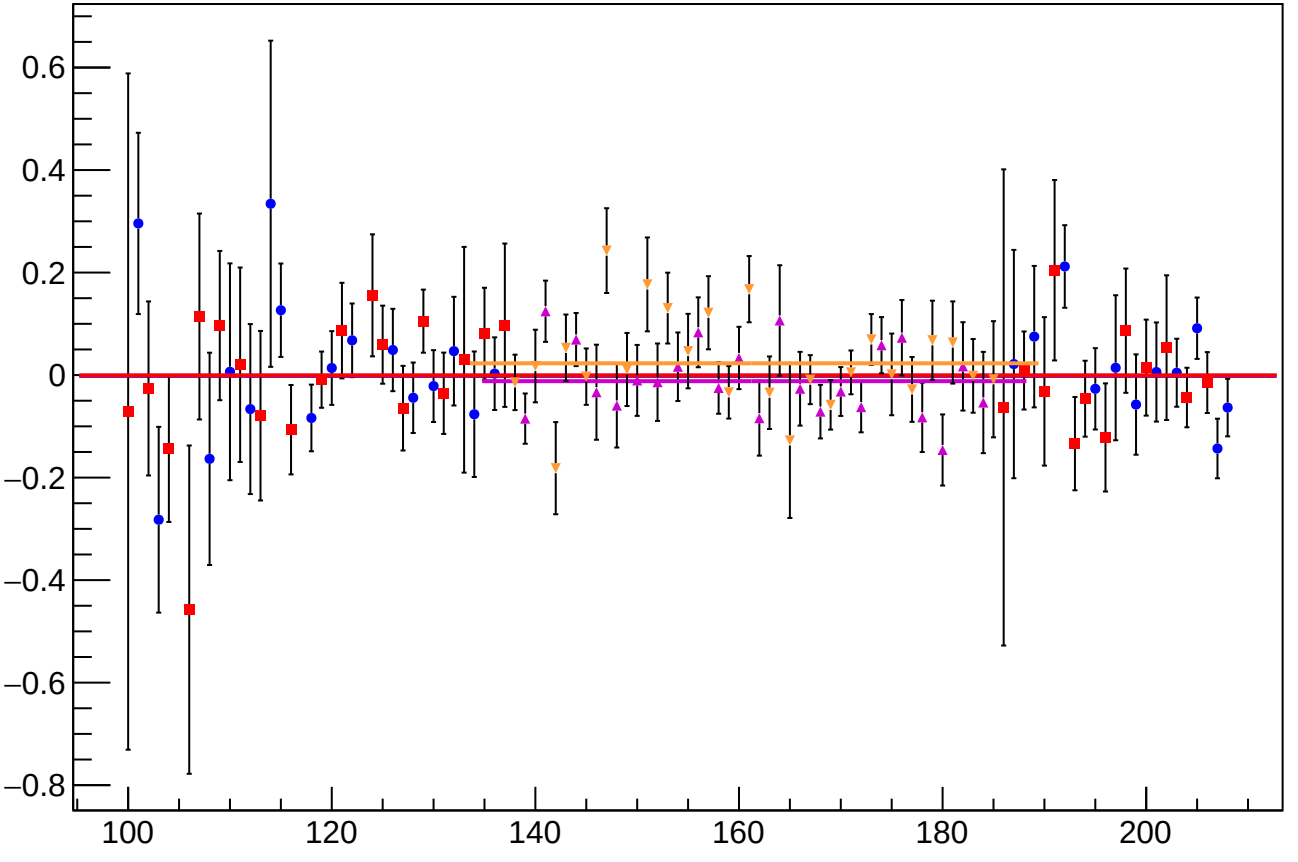
Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11415627.2/51

All: 0.000+/-0.000 χ^2/NDF: 25238625.5/105

- sign 0.000+/-0.000 χ^2/NDF: 13746744.3/53

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.017 χ^2/NDF: 30.5/26

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.001+/-0.017 χ^2/NDF: 20.3/30

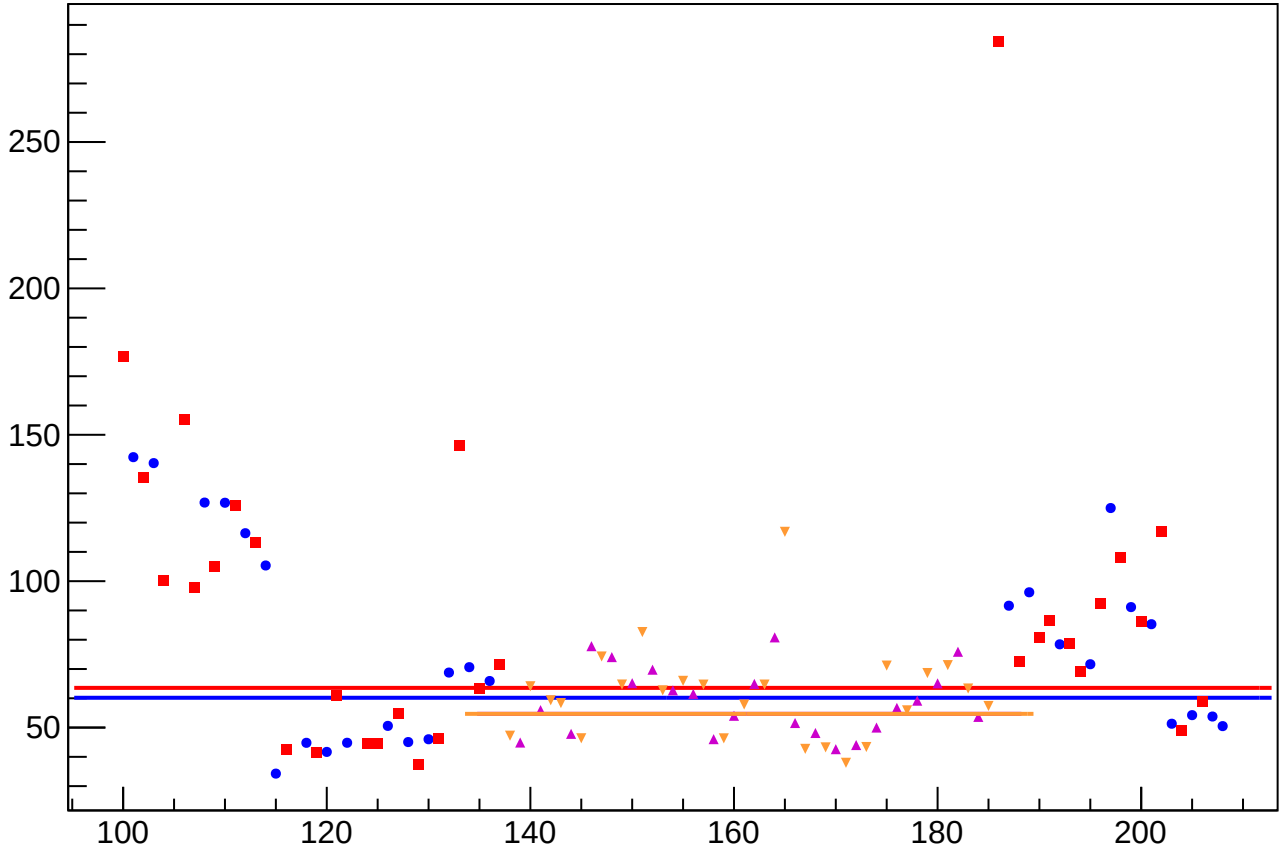
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.014+/-0.010 χ^2/NDF: 66.0/51

All: 0.003+/-0.007 χ^2/NDF: 114.6/105

- sign -0.008+/-0.011 χ^2/NDF: 46.5/53

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.178+/-0.012 χ^2/NDF: 3459112.5/26

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

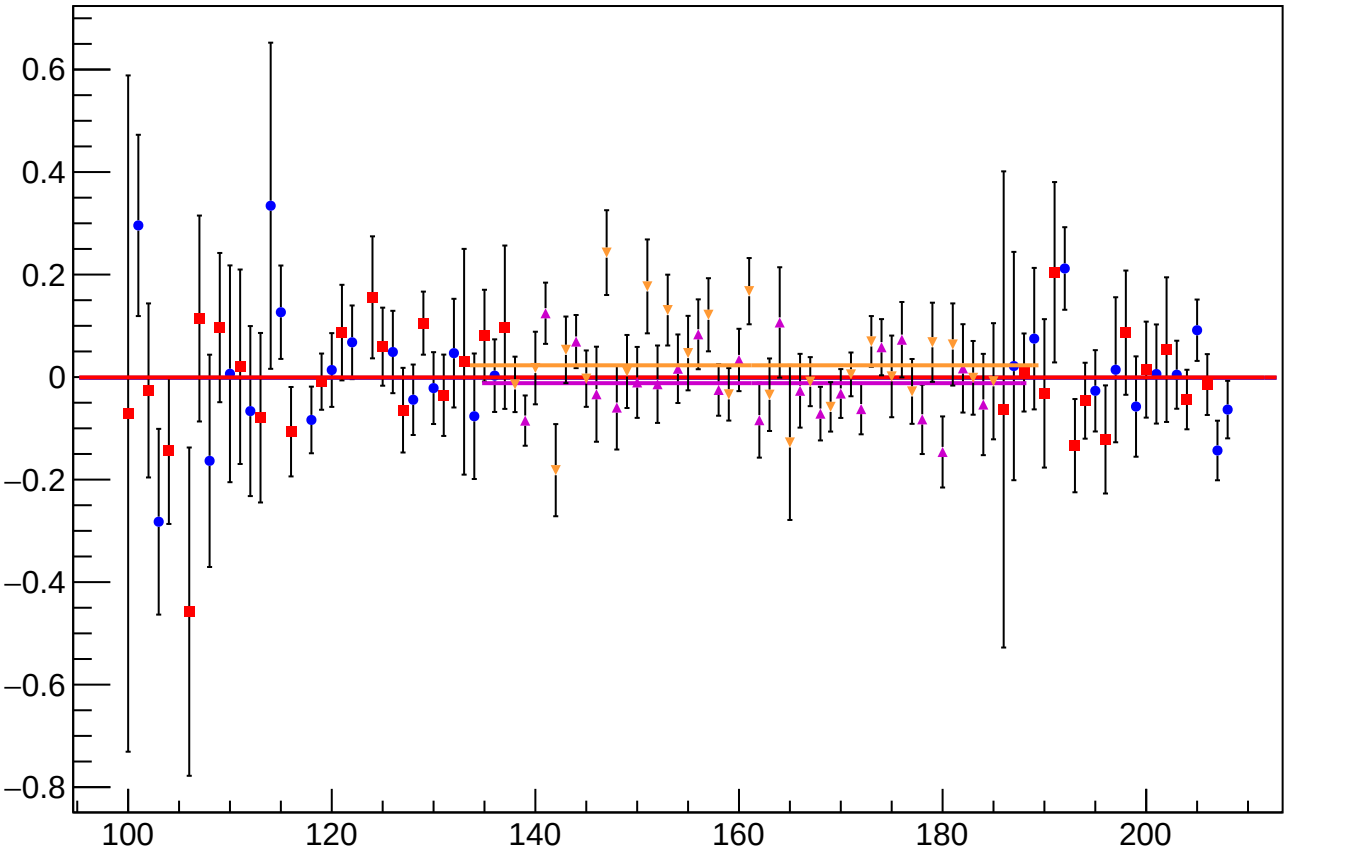
Right Out: 63.558+/-0.012 χ^2/NDF: 4292303.5/30

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 56.746+/-0.007 χ^2/NDF: 5531030.9/51

All: 57.317+/-0.005 χ^2/NDF: 11353778.8/105

- sign 57.926+/-0.007 χ^2/NDF: 5809855.6/53



Right In: -0.001+/-0.017 χ^2/NDF: 30.5/26

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

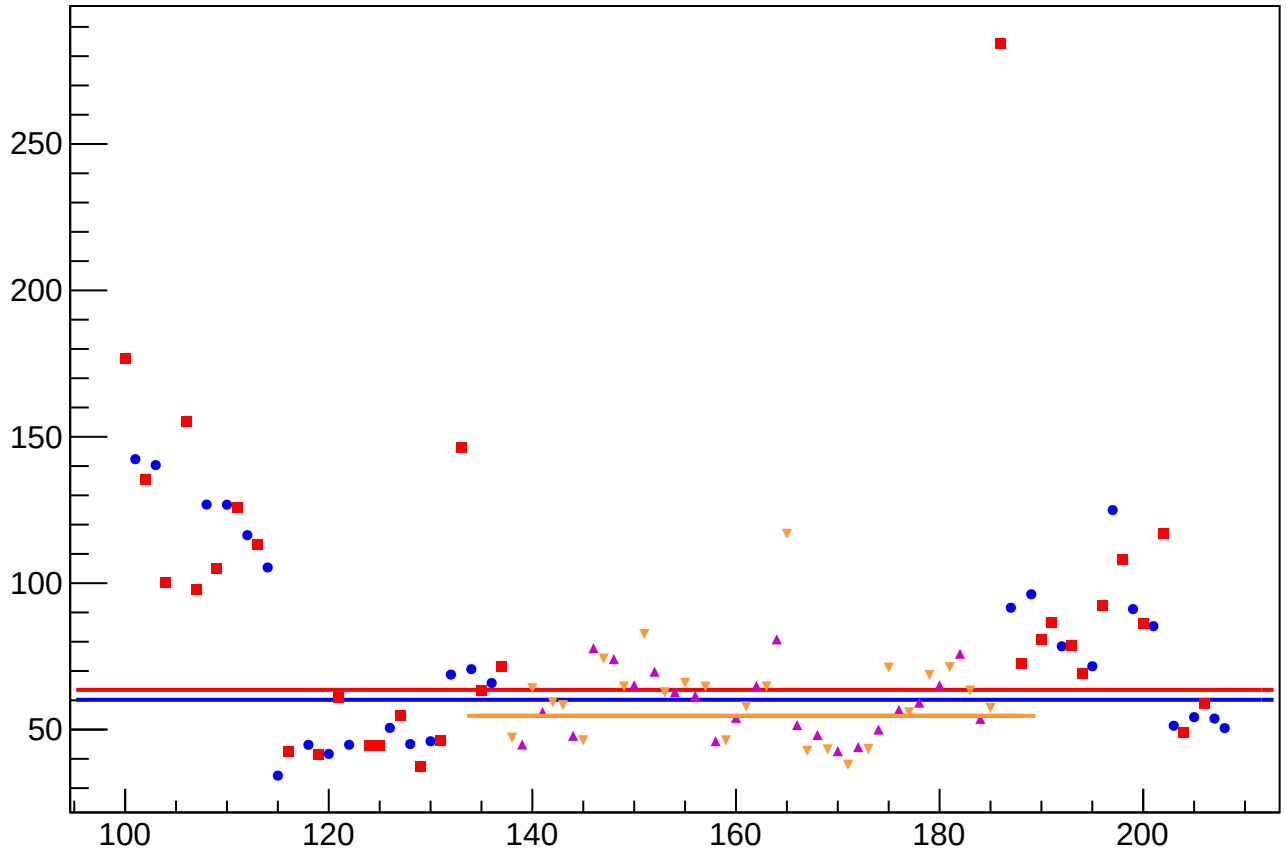
Right Out: -0.001+/-0.017 χ^2/NDF: 20.3/30

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.014+/-0.010 χ^2/NDF: 66.0/51

All: 0.003+/-0.007 χ^2/NDF: 114.6/105

- sign -0.008+/-0.011 χ^2/NDF: 46.5/53



Right In: 60.178+/-0.012 χ^2/NDF: 3459112.5/26

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

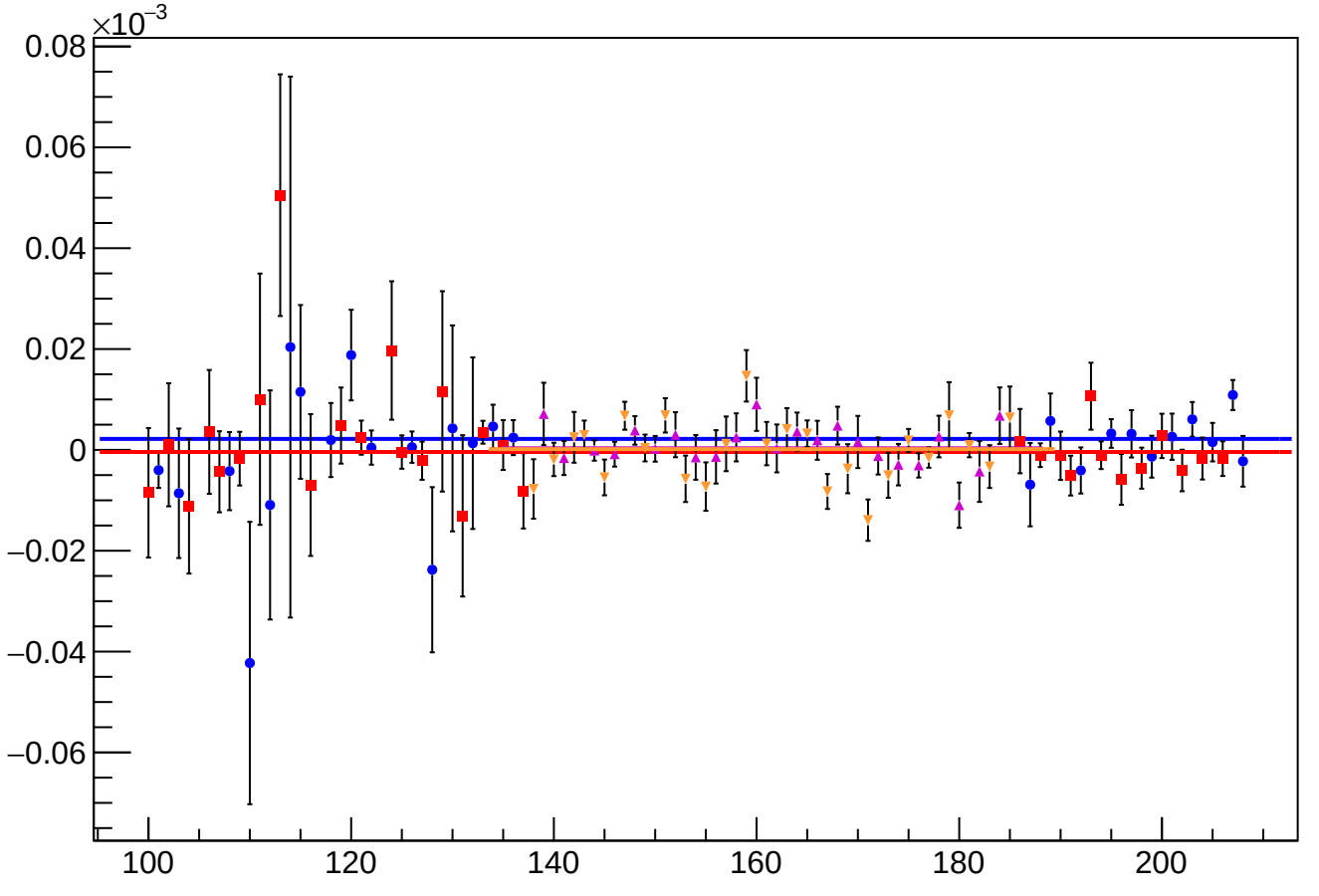
Right Out: 63.558+/-0.012 χ^2/NDF: 4292303.5/30

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 56.746+/-0.007 χ^2/NDF: 5531030.9/51

All: 57.317+/-0.005 χ^2/NDF: 11353778.8/105

- sign 57.926+/-0.007 χ^2/NDF: 5809855.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 29.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

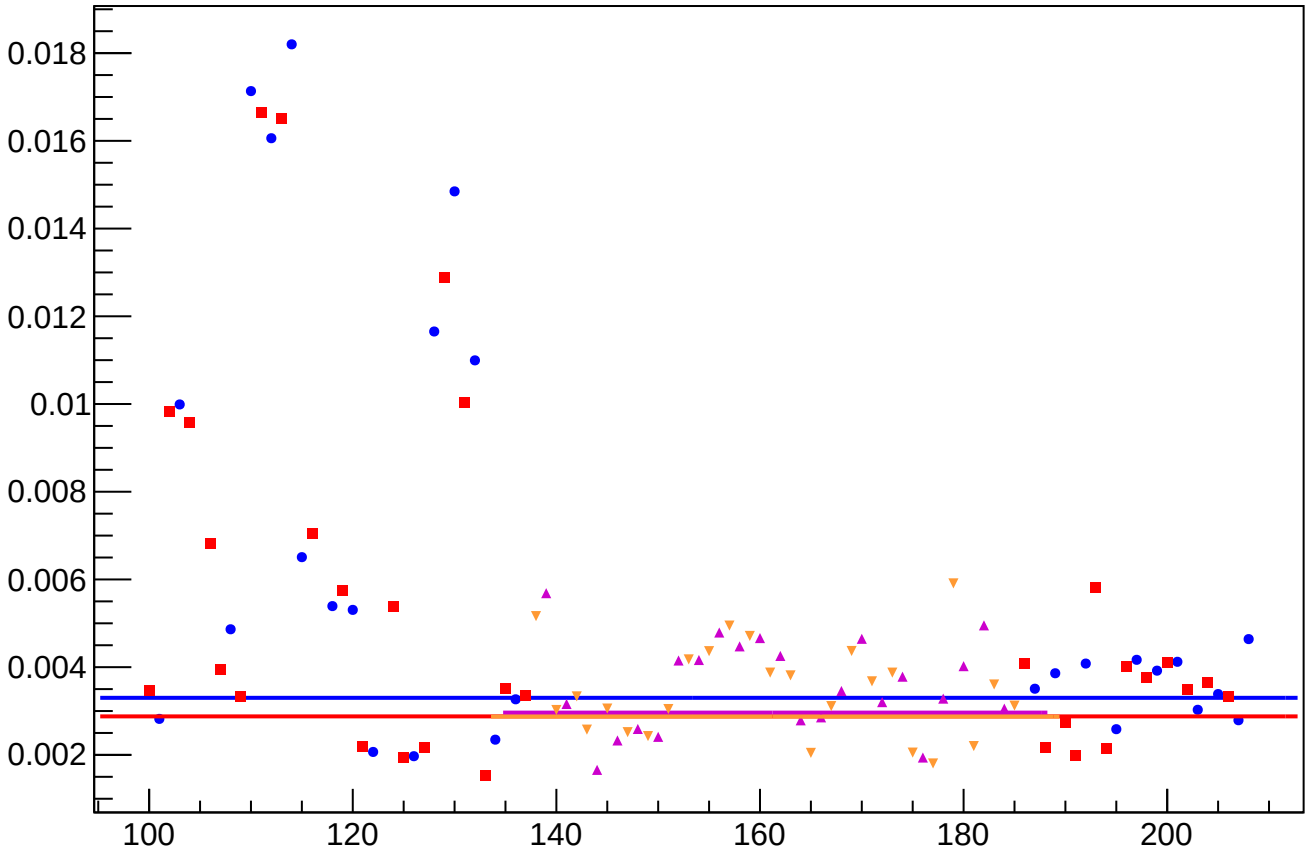
Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/30

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 86.4/51

All: 0.000+/-0.000 χ^2/NDF: 131.6/105

- sign -0.000+/-0.000 χ^2/NDF: 44.0/53



Right In: 0.003+/-0.000 χ^2/NDF: 5161210.3/26

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

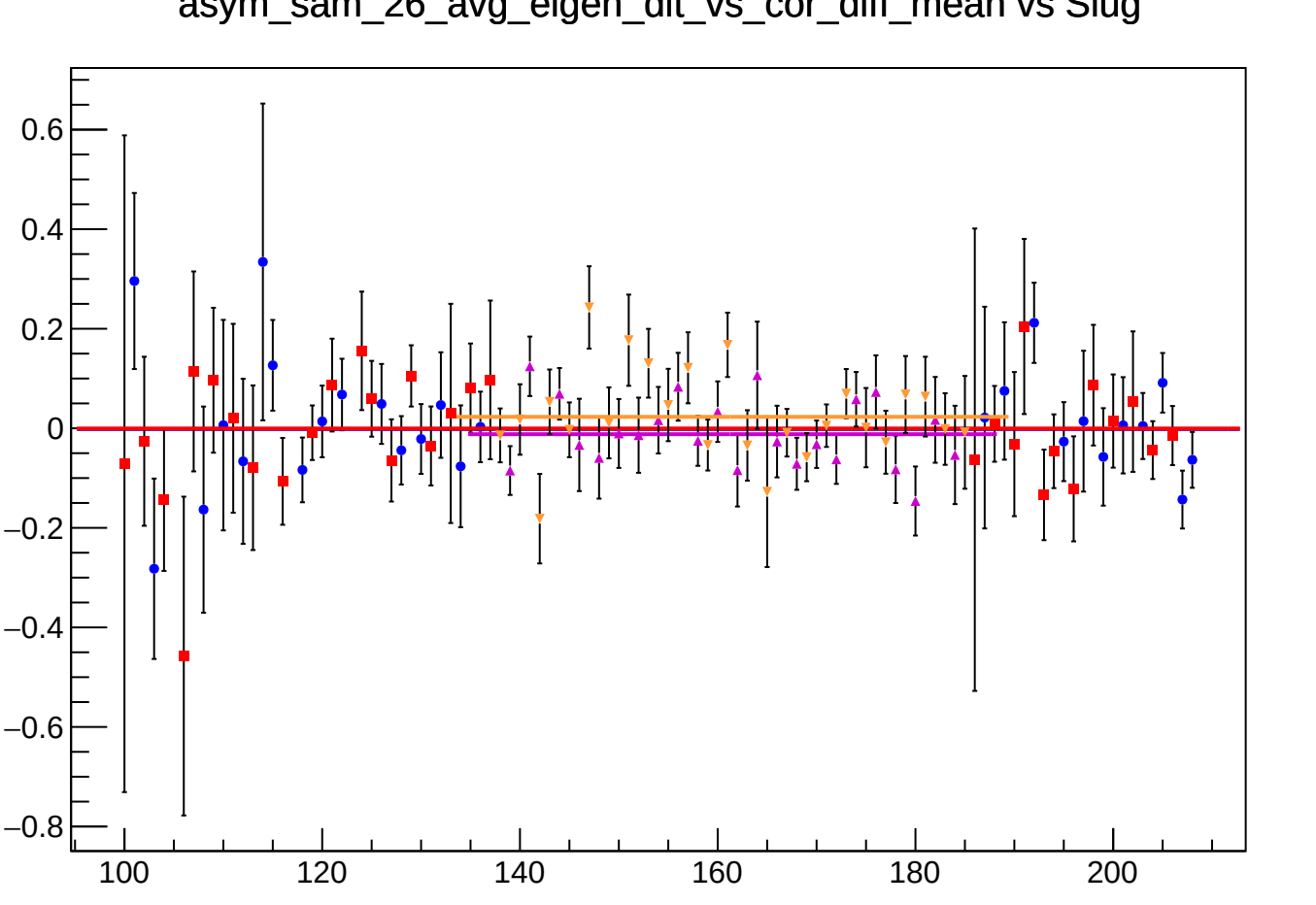
Right Out: 0.003+/-0.000 χ^2/NDF: 6566004.1/30

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 9036088.7/51

All: 0.003+/-0.000 χ^2/NDF: 19265011.4/105

- sign 0.003+/-0.000 χ^2/NDF: 10196801.1/53



Right In: -0.001+/-0.017 χ^2/NDF: 30.5/26

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

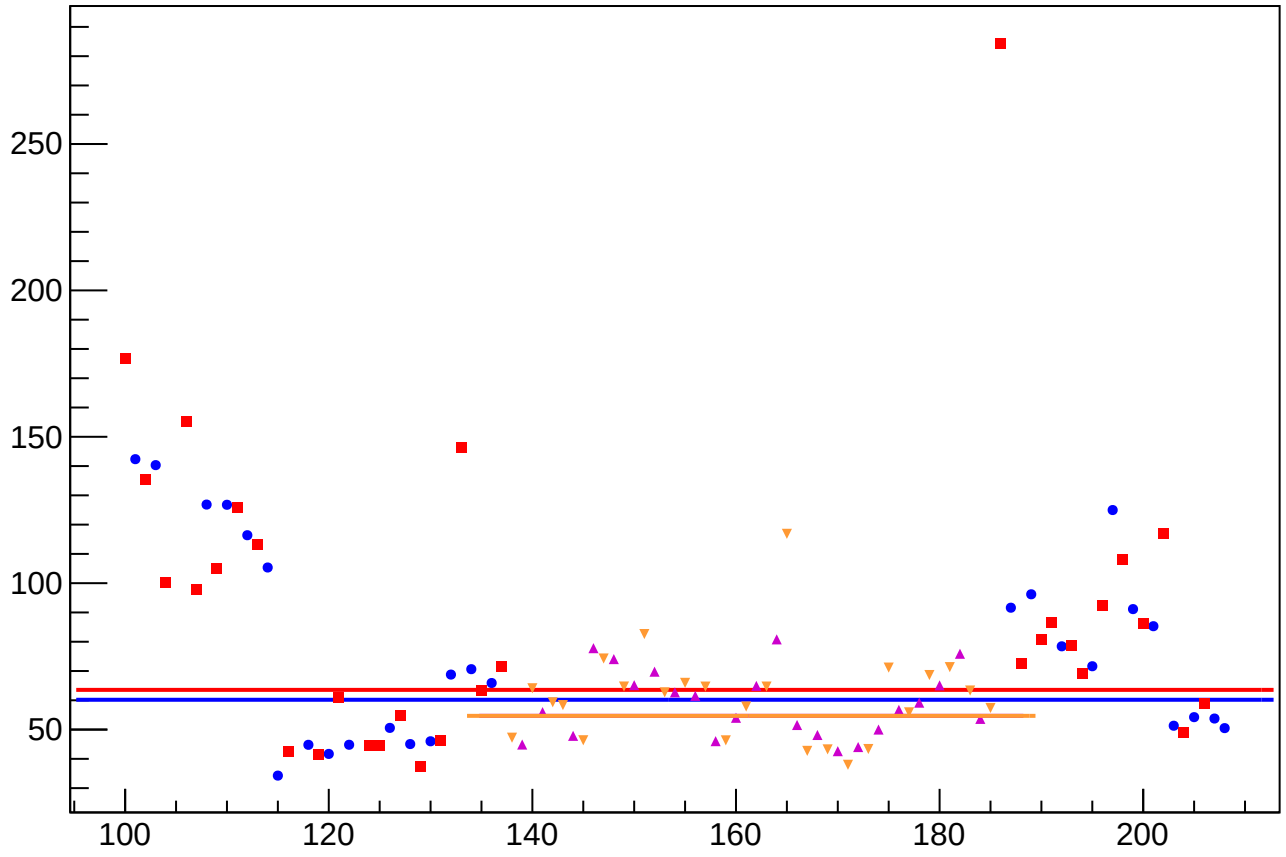
Right Out: -0.001+/-0.017 χ^2/NDF: 20.4/30

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.014+/-0.010 χ^2/NDF: 66.0/51

All: 0.003+/-0.007 χ^2/NDF: 114.6/105

- sign -0.008+/-0.011 χ^2/NDF: 46.5/53



Right In: 60.178+/-0.012 χ^2/NDF: 3459086.6/26

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

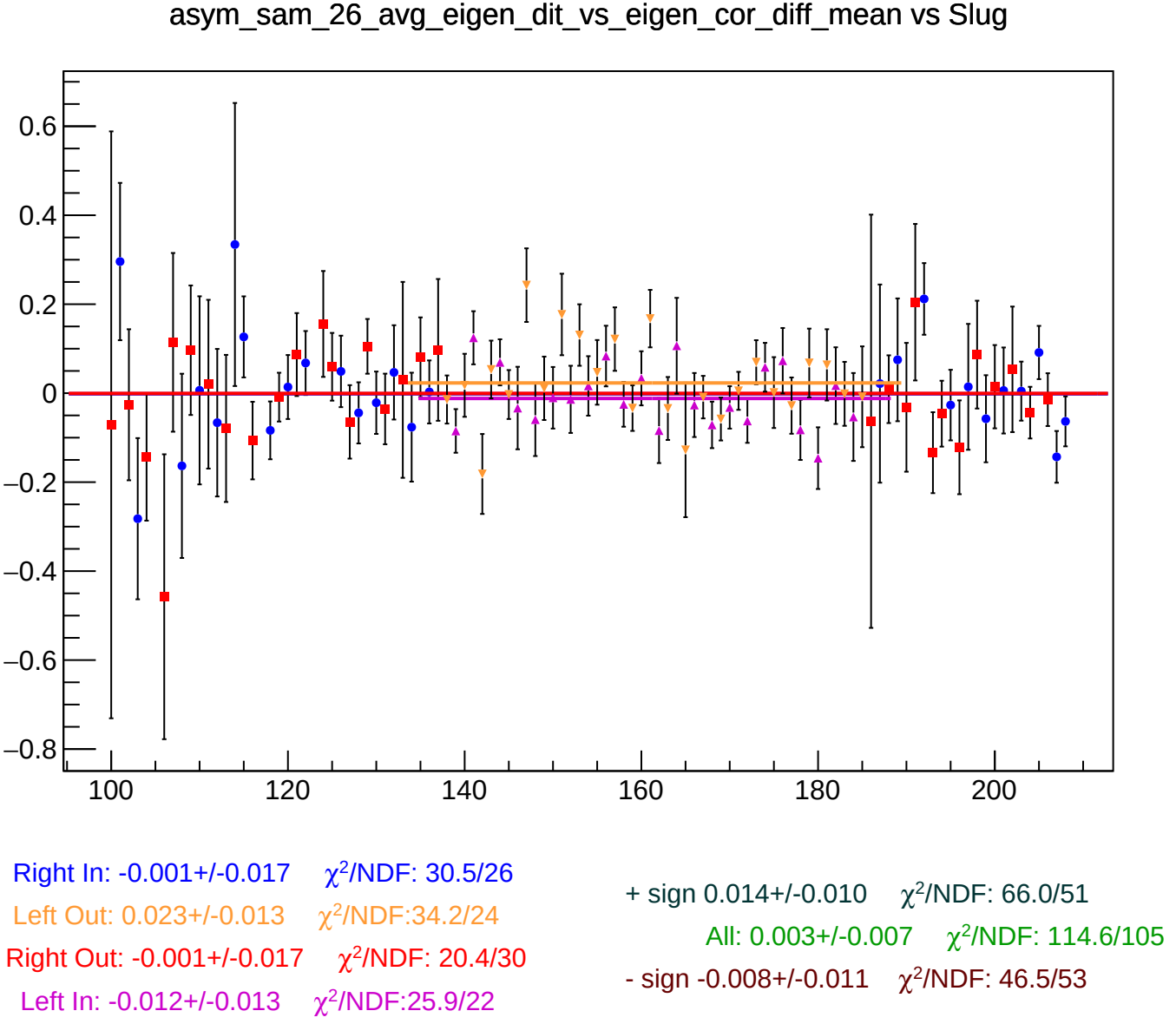
Right Out: 63.557+/-0.012 χ^2/NDF: 4292305.6/30

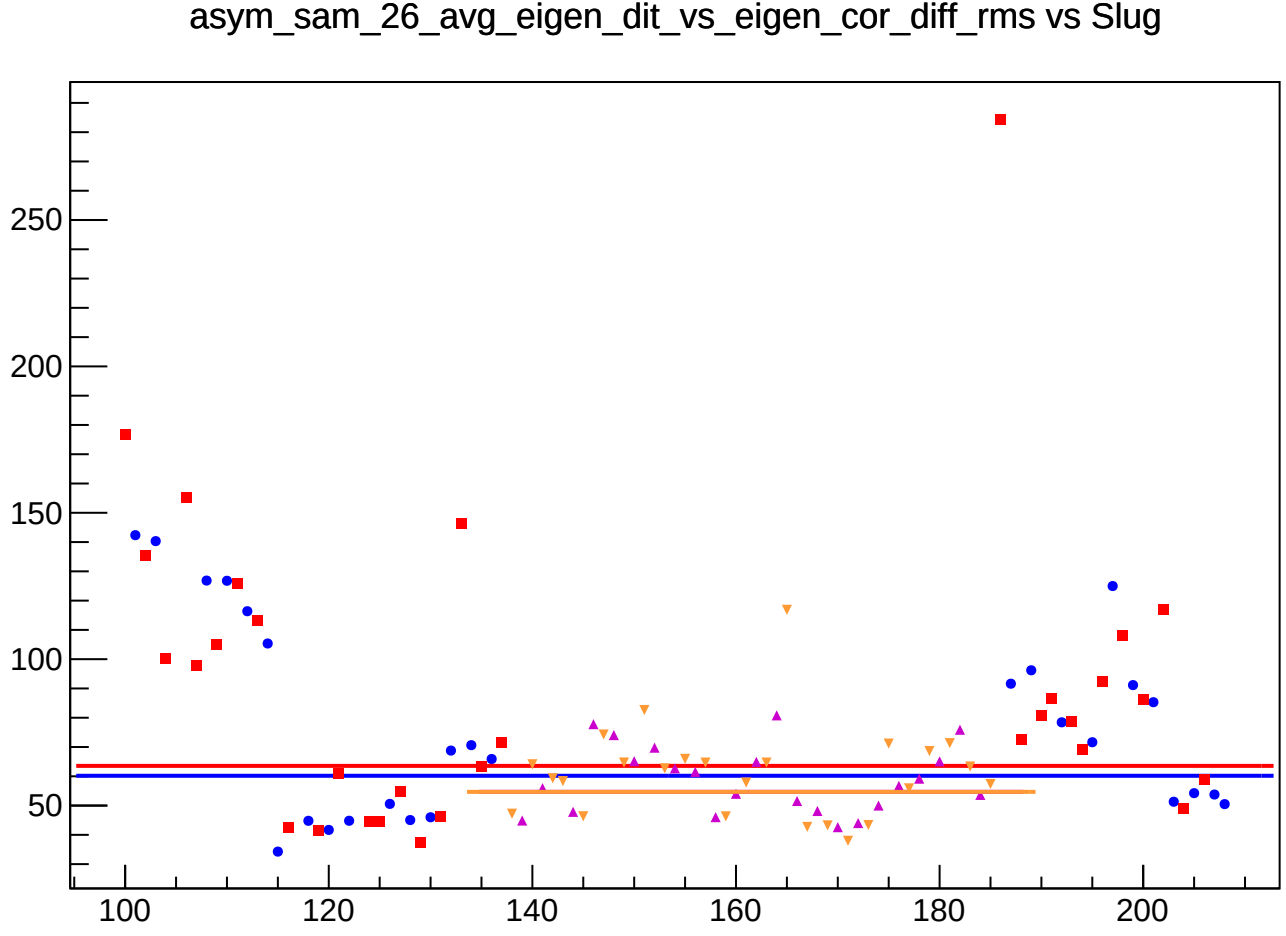
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.746+/-0.007 χ^2/NDF: 5530969.5/51

All: 57.317+/-0.005 χ^2/NDF: 11353629.3/105

- sign 57.927+/-0.007 χ^2/NDF: 5809765.7/53


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: -0.001+/-0.017 χ²/NDF: 30.5/26
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: -0.001+/-0.017 χ²/NDF: 20.4/30
Left In: -0.012+/-0.013 χ²/NDF:25.9/22
+ sign 0.014+/-0.010 χ²/NDF: 66.0/51
All: 0.003+/-0.007 χ²/NDF: 114.6/105
- sign -0.008+/-0.011 χ²/NDF: 46.5/53



Right In: 60.178+/-0.012 χ^2/NDF: 3459086.6/26

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.557+/-0.012 χ^2/NDF: 4292305.6/30

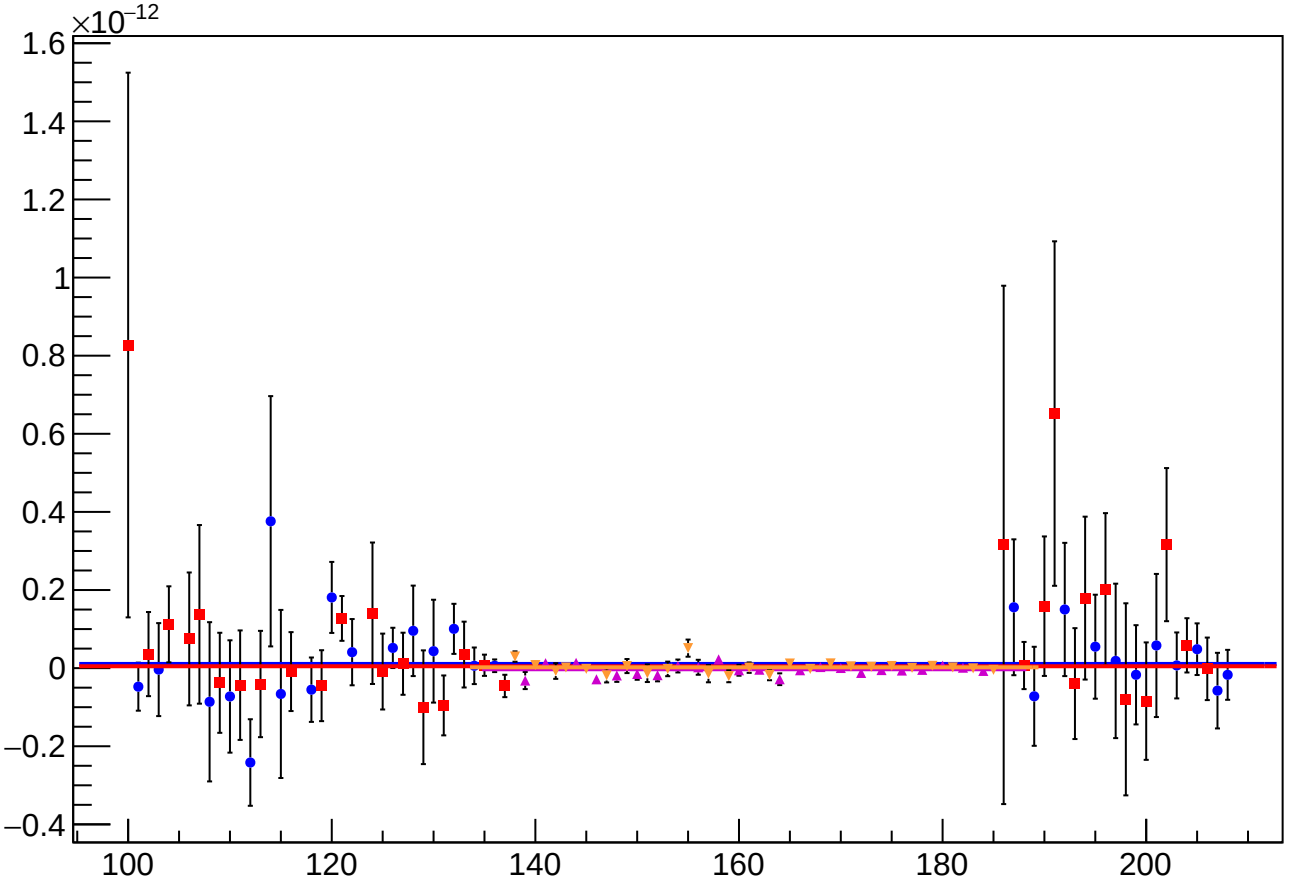
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.746+/-0.007 χ^2/NDF: 5530969.5/51

All: 57.317+/-0.005 χ^2/NDF: 11353629.3/105

- sign 57.927+/-0.007 χ^2/NDF: 5809765.7/53

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

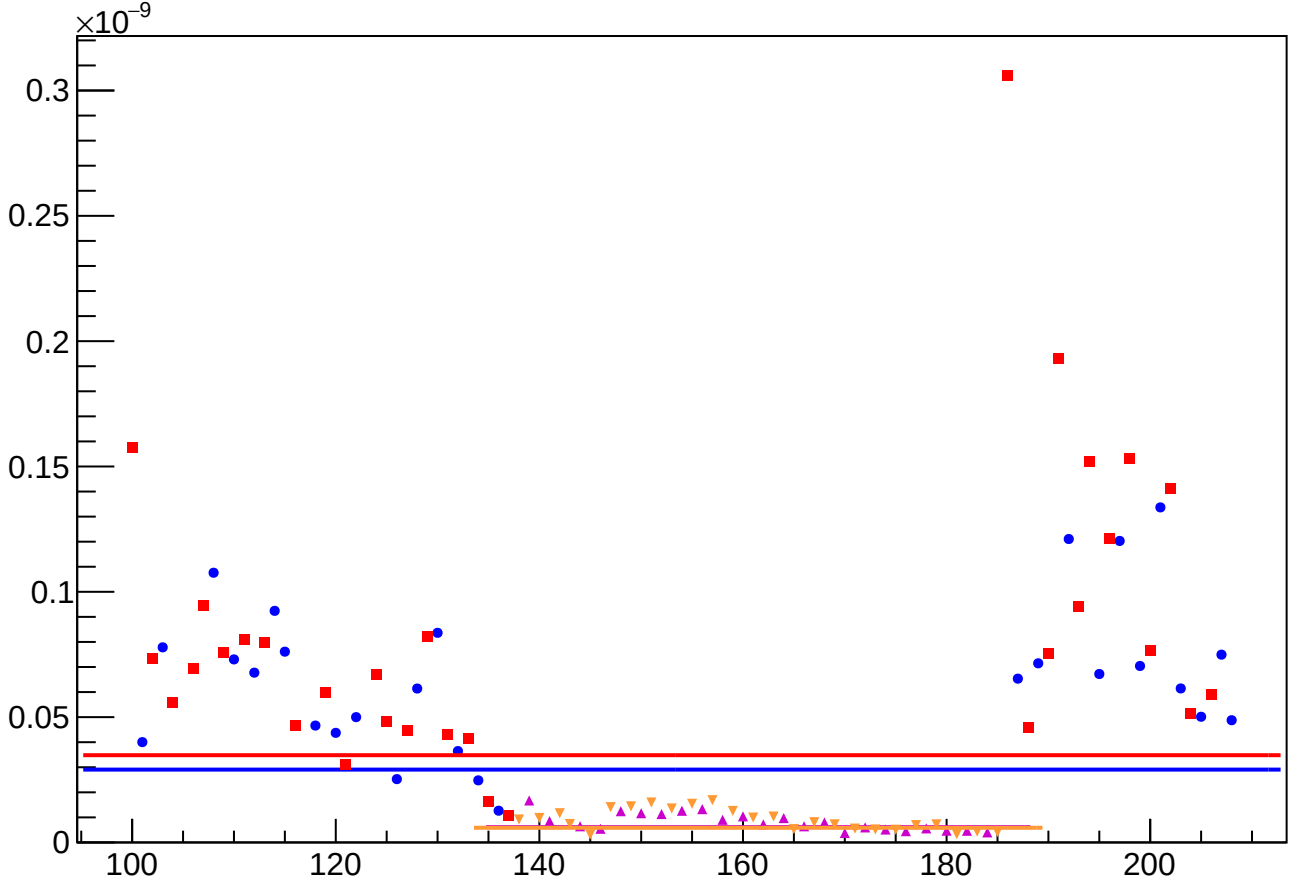
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/30

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.9/51

All: -0.000+/-0.000 χ^2/NDF: 99.9/105

- sign -0.000+/-0.000 χ^2/NDF: 56.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 7655190.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7820001.5/30

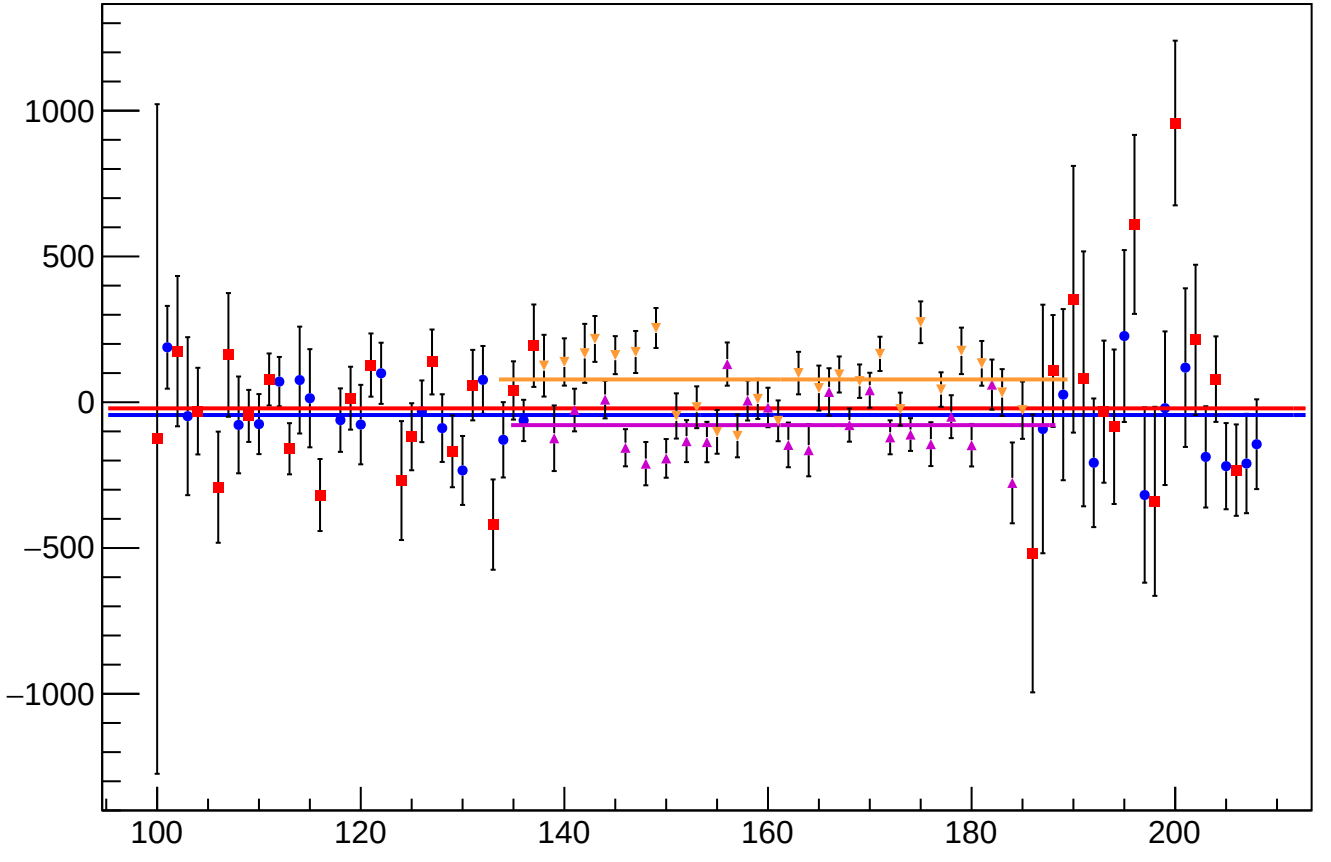
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 20535030.0/51

All: 0.000+/-0.000 χ^2/NDF: 39800427.7/105

- sign 0.000+/-0.000 χ^2/NDF: 19248345.9/53

reg_asym_sam_37_avg_mean vs Slug



Right In: -43.822+/-26.352 χ^2/NDF: 17.6/26

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -20.987+/-26.328 χ^2/NDF: 53.0/30

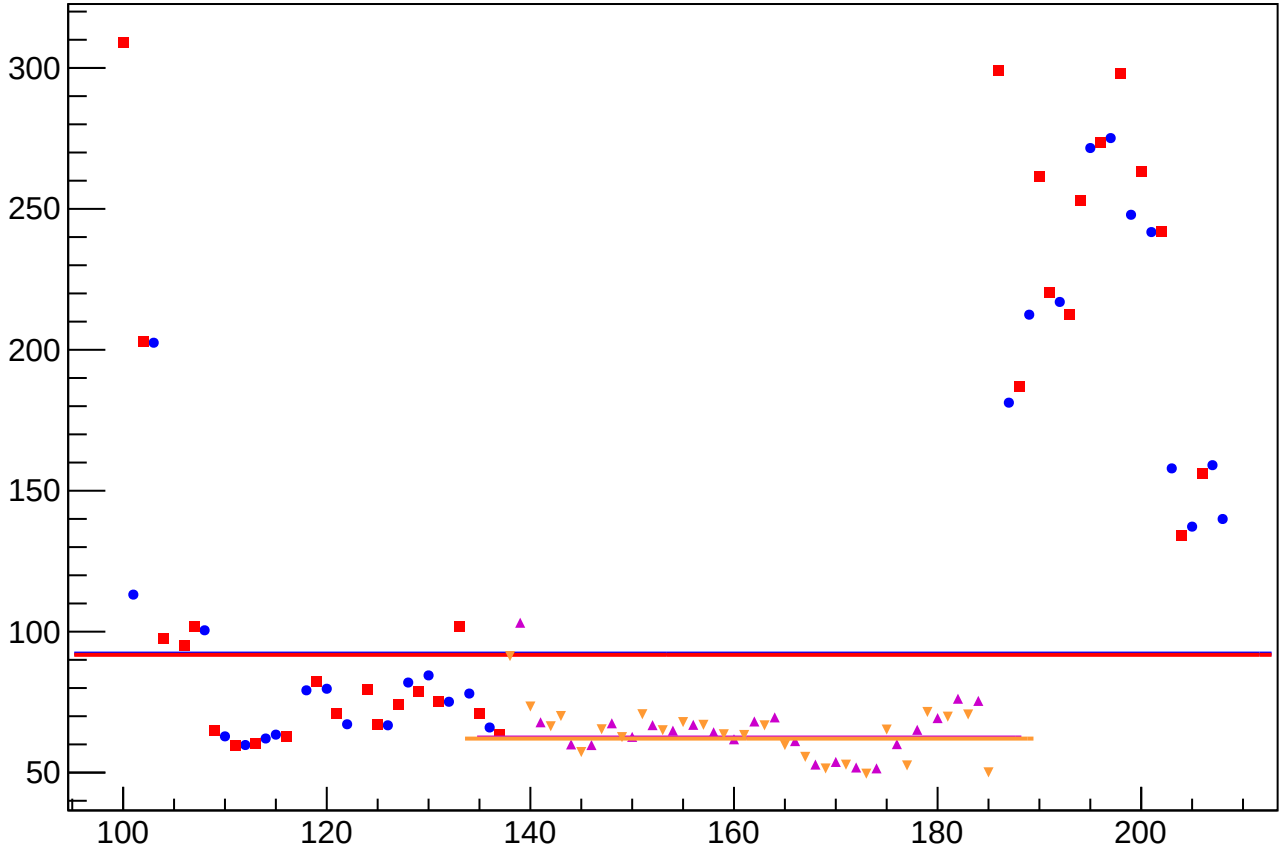
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 50.334+/-12.586 χ^2/NDF: 88.0/51

All: -5.717+/-9.012 χ^2/NDF: 222.0/105

- sign -64.679+/-12.909 χ^2/NDF: 93.3/53

reg_asym_sam_37_avg_rms vs Slug



Right In: 92.222+/-0.019 χ^2/NDF: 6407824.3/26

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

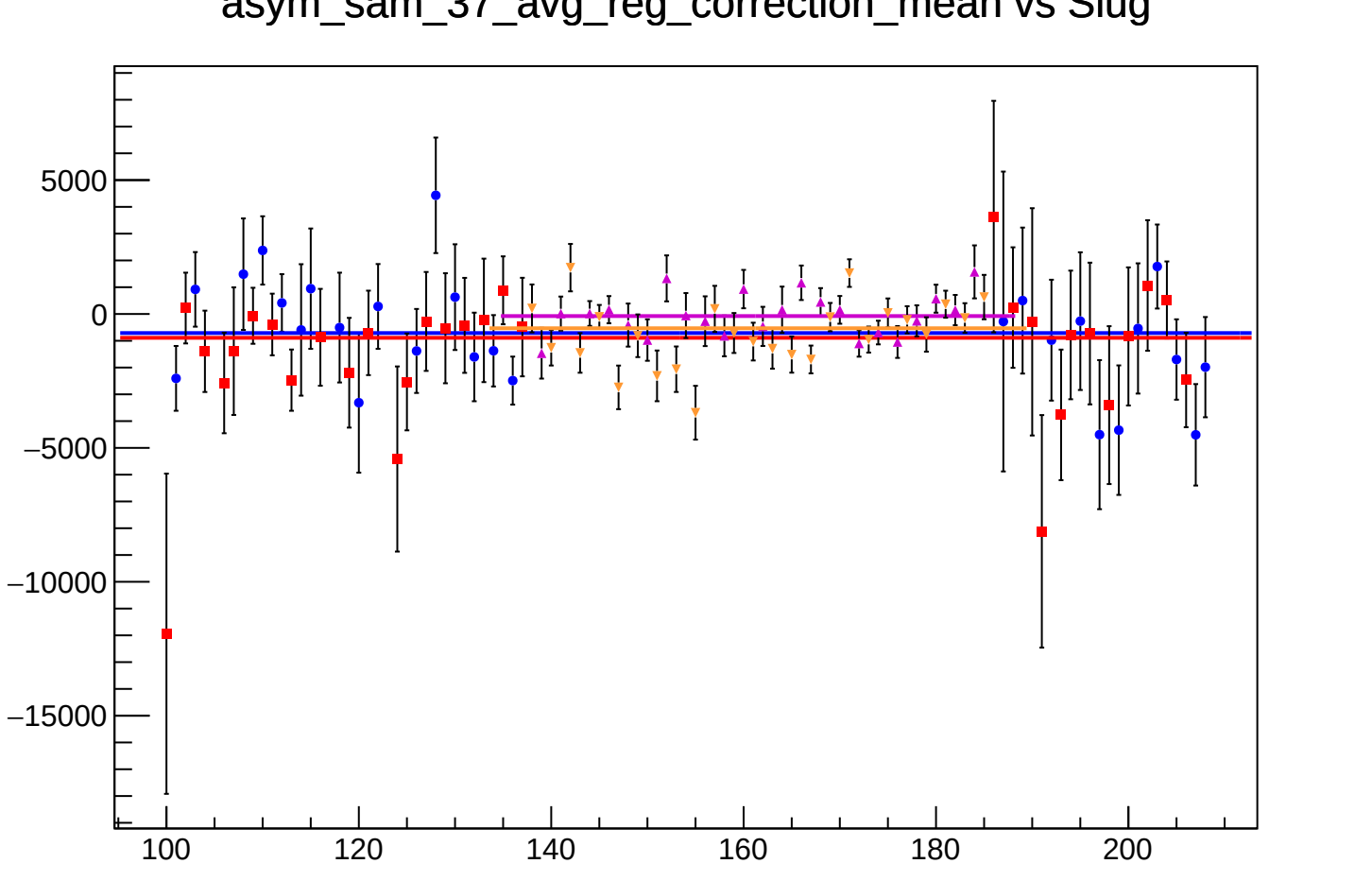
Right Out: 91.784+/-0.019 χ^2/NDF: 7709215.2/30

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 68.942+/-0.009 χ^2/NDF: 9116428.5/51

All: 69.213+/-0.006 χ^2/NDF: 19378663.3/105

- sign 69.498+/-0.009 χ^2/NDF: 10260333.6/53



Right In: -711.518+/-324.306 χ^2/NDF: 35.9/26

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

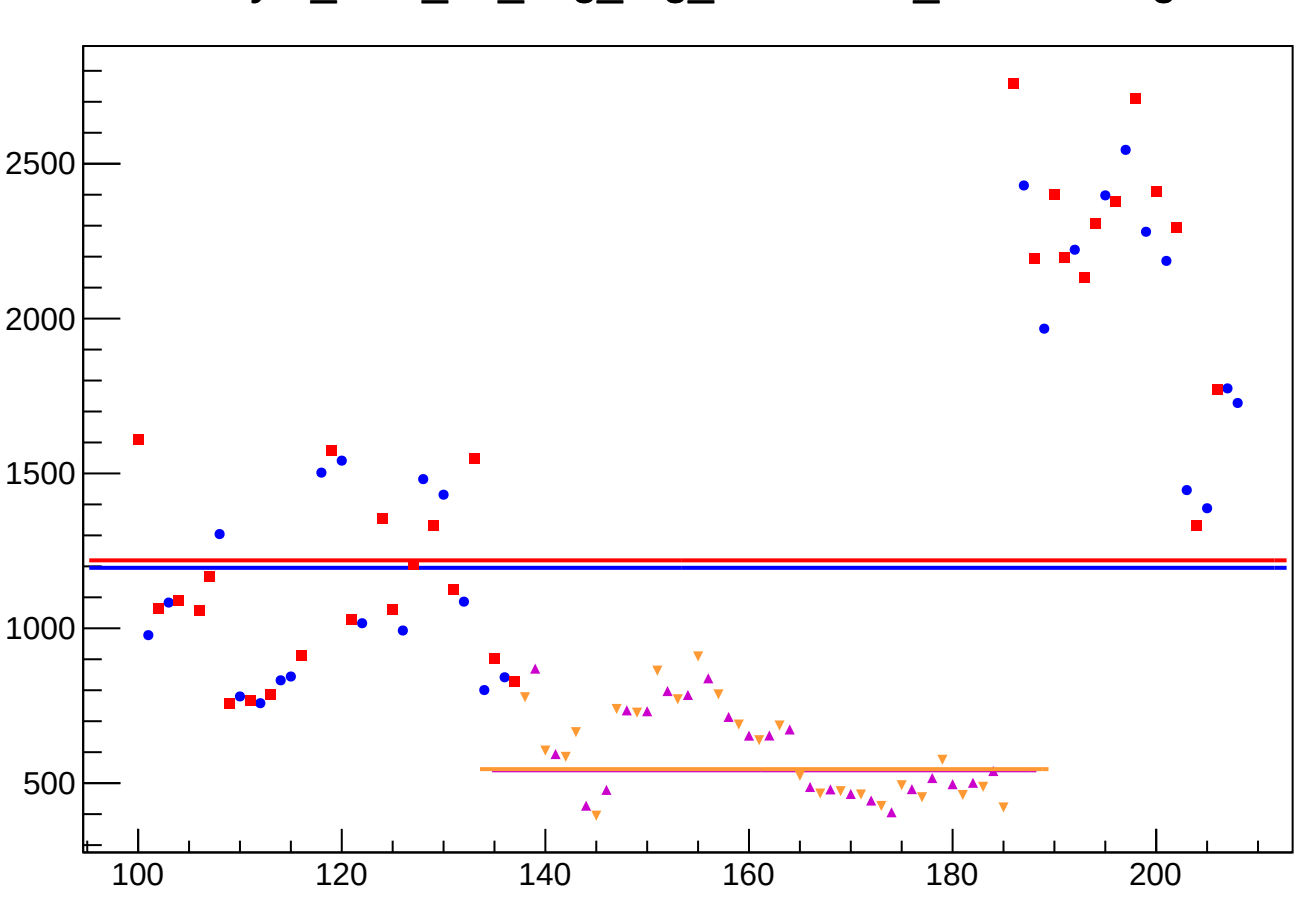
Right Out: -889.673+/-327.911 χ^2/NDF: 21.7/30

Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -556.846+/-119.003 χ^2/NDF: 105.3/51

All: -375.742+/-84.881 χ^2/NDF: 165.4/105

- sign -188.186+/-121.104 χ^2/NDF: 55.4/53



Right In: 1195.316+/-0.229 χ^2/NDF: 4164635.5/26

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1219.378+/-0.232 χ^2/NDF: 4978914.7/30

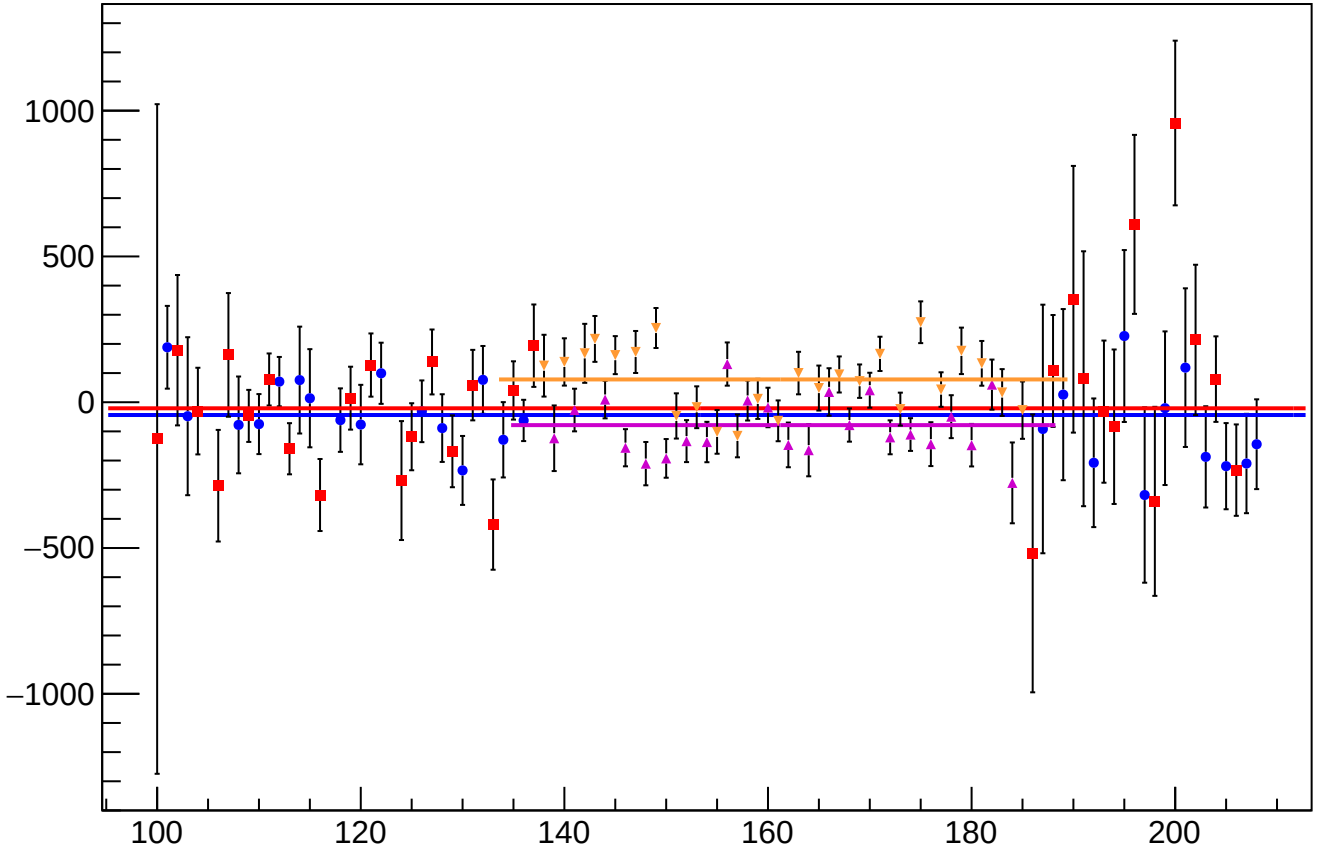
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 632.828+/-0.084 χ^2/NDF: 13201064.4/51

All: 633.366+/-0.060 χ^2/NDF: 27402636.2/10

- sign 633.924+/-0.086 χ^2/NDF: 14201488.5/53

cor_asym_sam_37_avg_mean vs Slug



Right In: -43.831+/-26.352 χ^2/NDF: 17.6/26

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -20.814+/-26.330 χ^2/NDF: 52.9/30

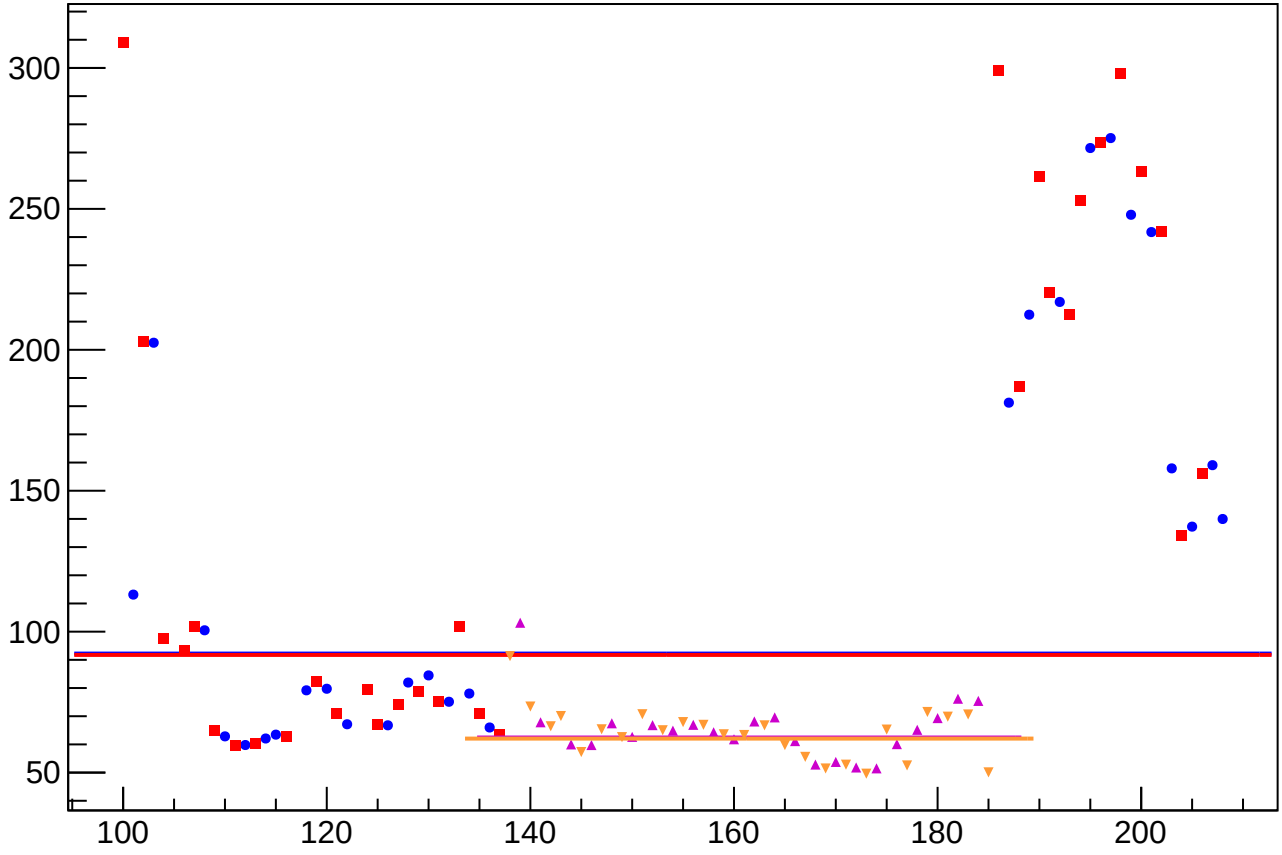
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 50.335+/-12.586 χ^2/NDF: 88.0/51

All: -5.696+/-9.012 χ^2/NDF: 221.9/105

- sign -64.639+/-12.909 χ^2/NDF: 93.2/53

cor_asym_sam_37_avg_rms vs Slug



Right In: 92.222+/-0.019 χ^2/NDF: 6407826.7/26

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

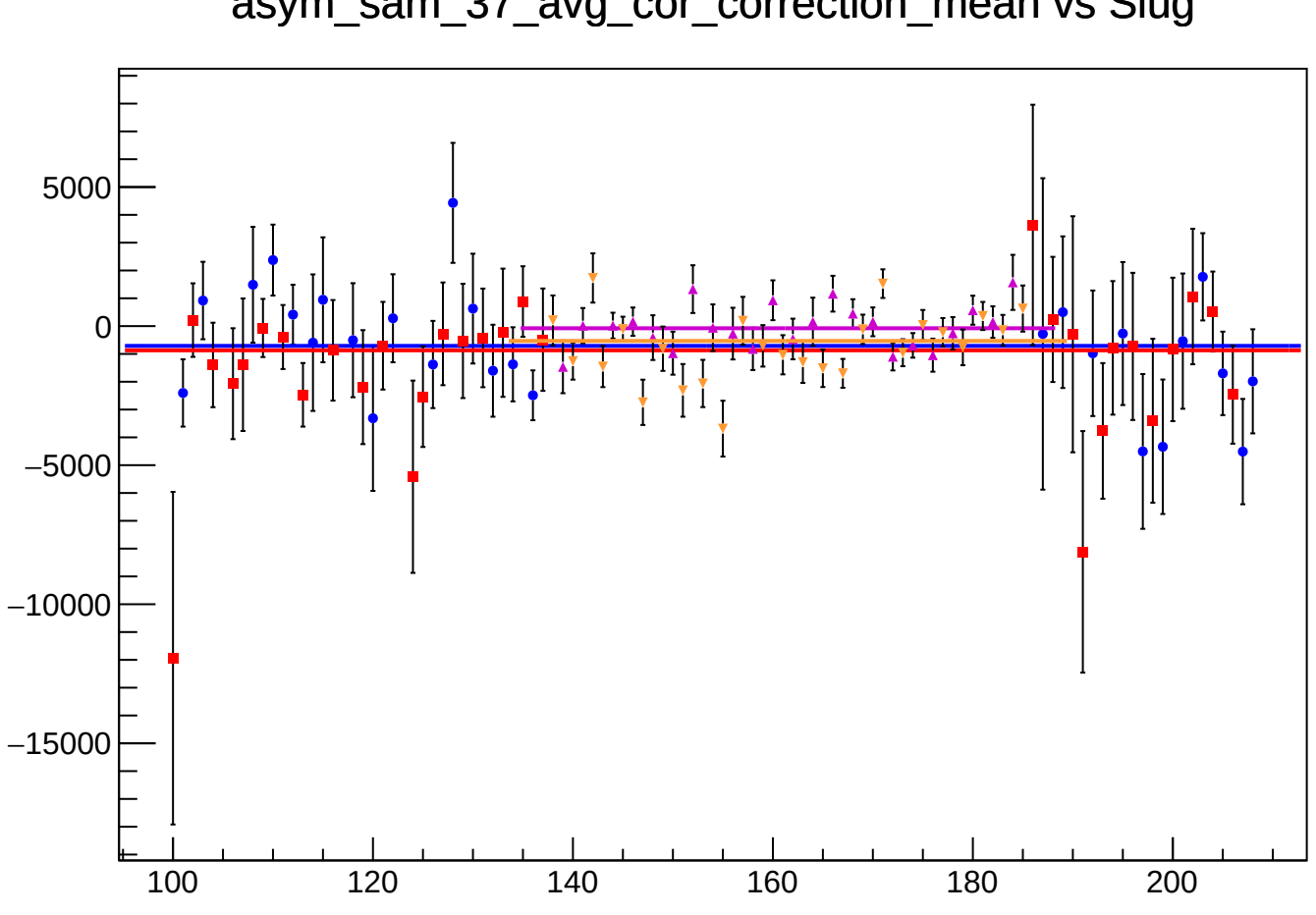
Right Out: 91.751+/-0.019 χ^2/NDF: 7708985.9/30

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 68.942+/-0.009 χ^2/NDF: 9116430.4/51

All: 69.209+/-0.006 χ^2/NDF: 19373921.8/105

- sign 69.489+/-0.009 χ^2/NDF: 10255649.9/53



Right In: -711.511+/-324.308 χ^2/NDF: 35.9/26

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

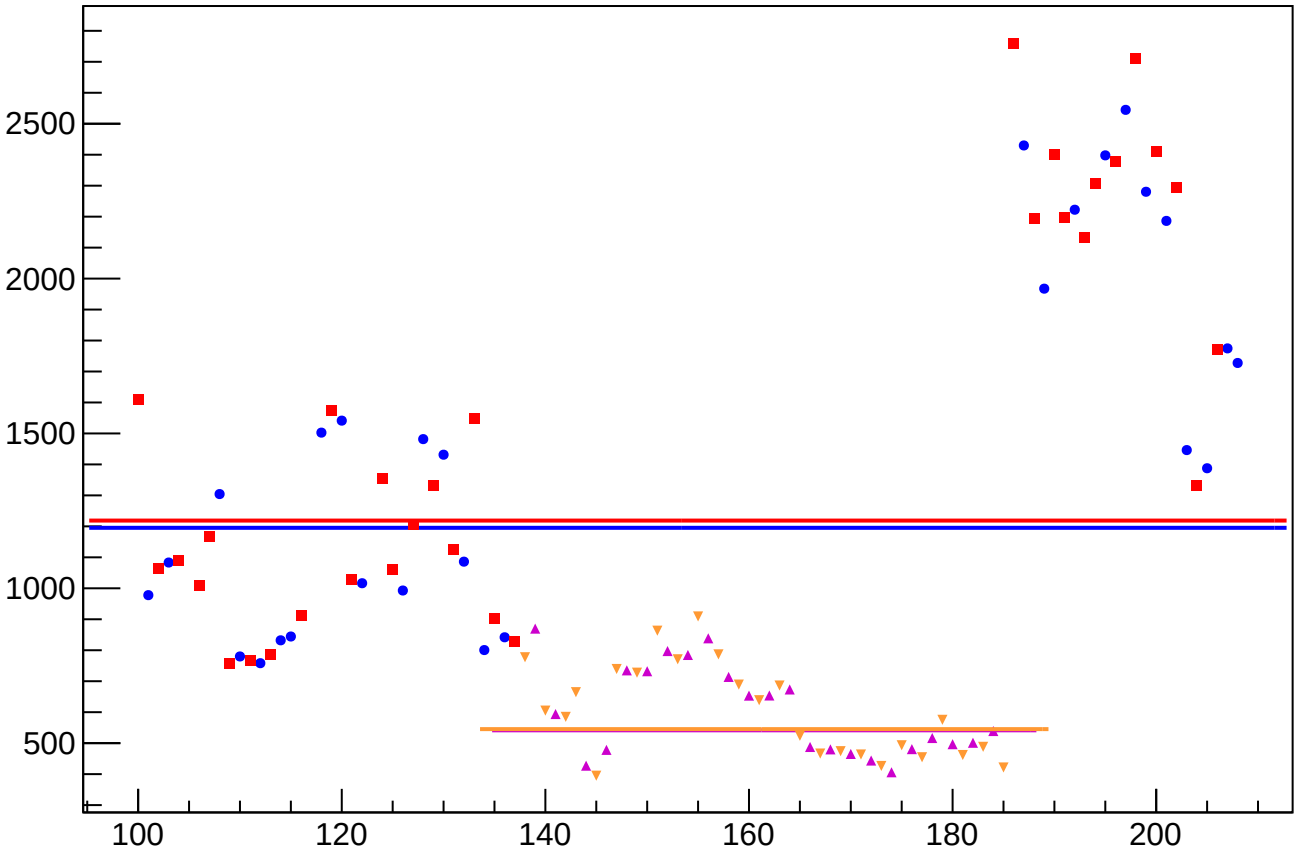
Right Out: -870.664+/-328.494 χ^2/NDF: 21.3/30

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -556.842+/-119.003 χ^2/NDF: 105.3/51

All: -374.348+/-84.891 χ^2/NDF: 164.7/105

- sign -185.261+/-121.134 χ^2/NDF: 54.7/53



Right In: 1195.323+/-0.229 χ^2/NDF: 4164612.3/26

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1218.695+/-0.232 χ^2/NDF: 4985919.0/30

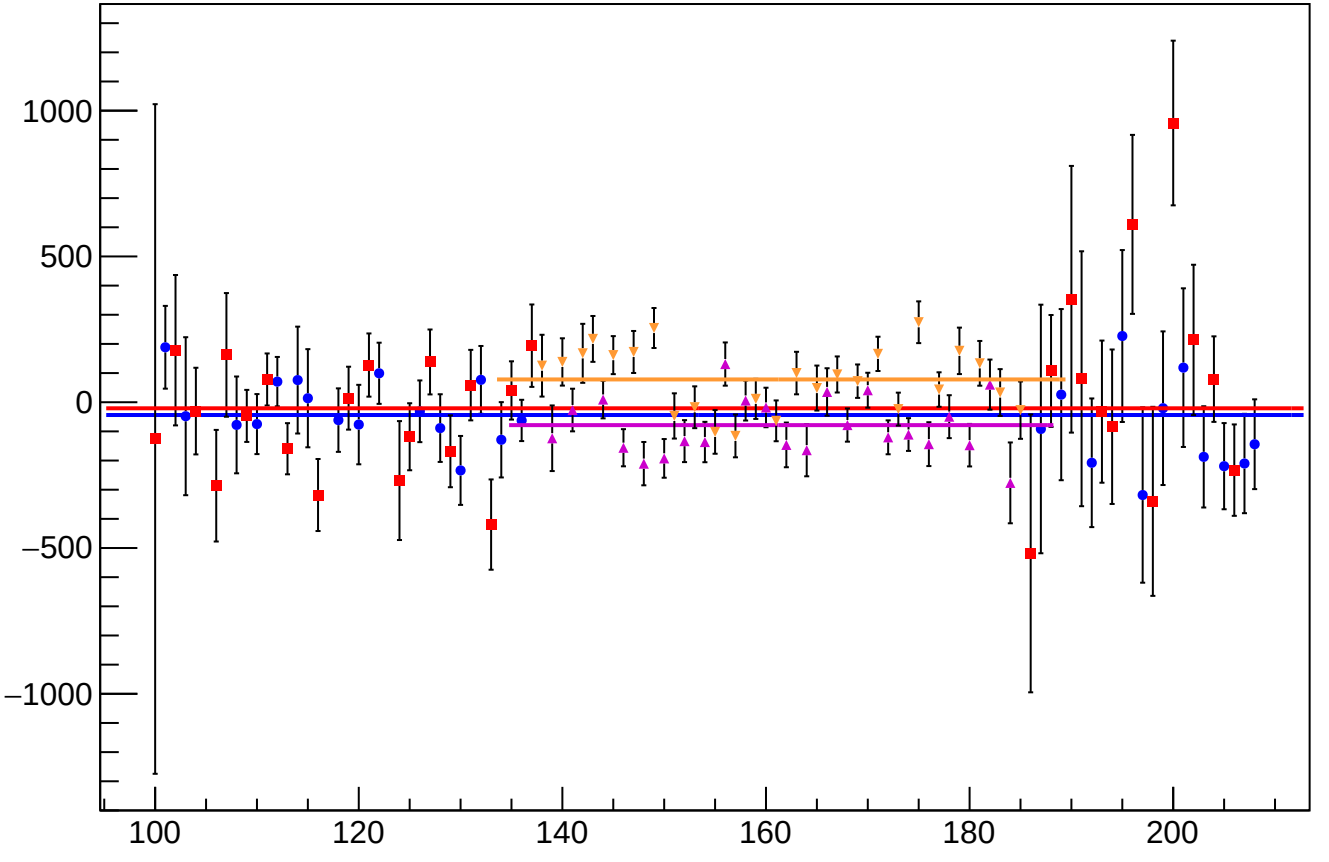
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 632.828+/-0.084 χ^2/NDF: 13201119.5/51

All: 633.182+/-0.060 χ^2/NDF: 27372205.6/10

- sign 633.548+/-0.086 χ^2/NDF: 14171050.1/53

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -43.831+/-26.352 χ^2/NDF: 17.6/26

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -20.814+/-26.330 χ^2/NDF: 52.9/30

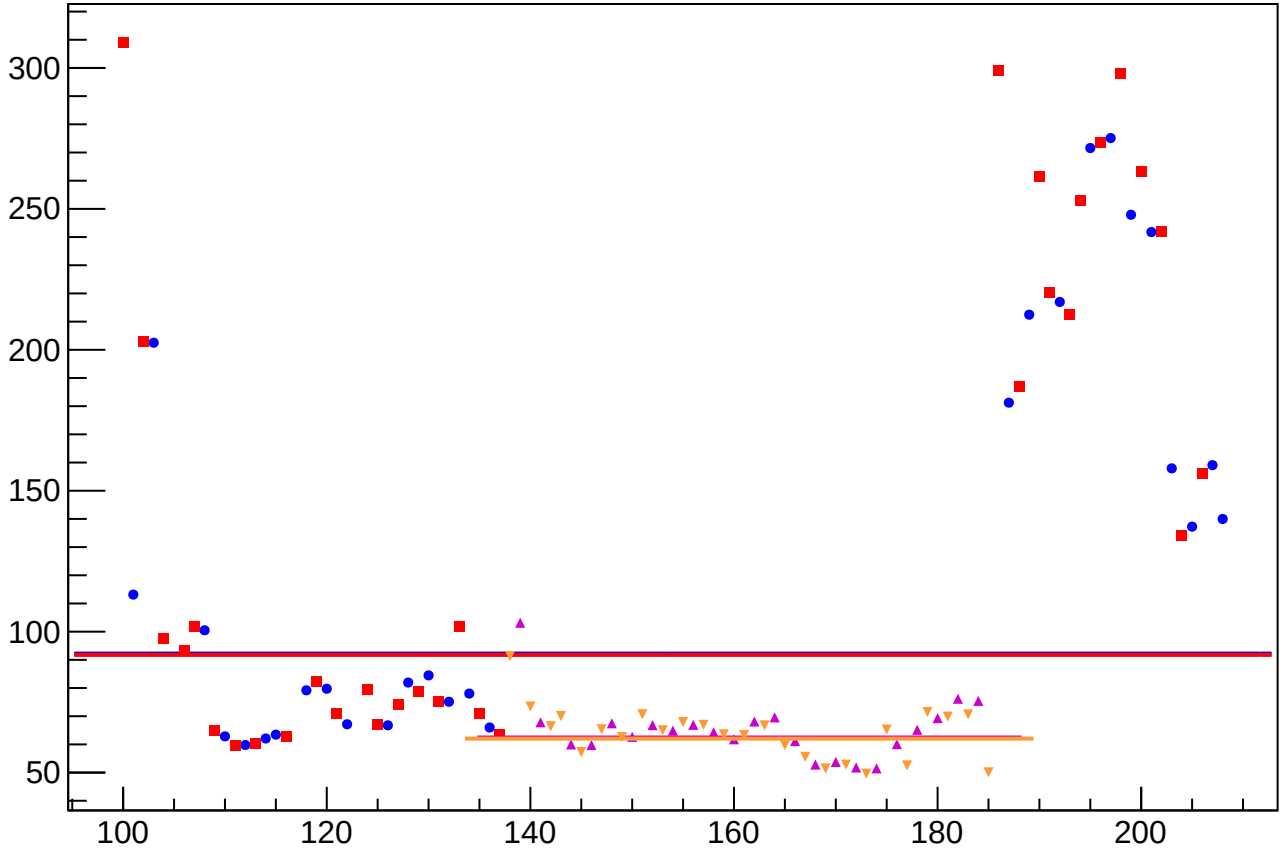
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 50.335+/-12.586 χ^2/NDF: 88.0/51

All: -5.696+/-9.012 χ^2/NDF: 221.9/105

- sign -64.639+/-12.909 χ^2/NDF: 93.2/53

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 92.222+/-0.019 χ^2/NDF: 6407826.7/26

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

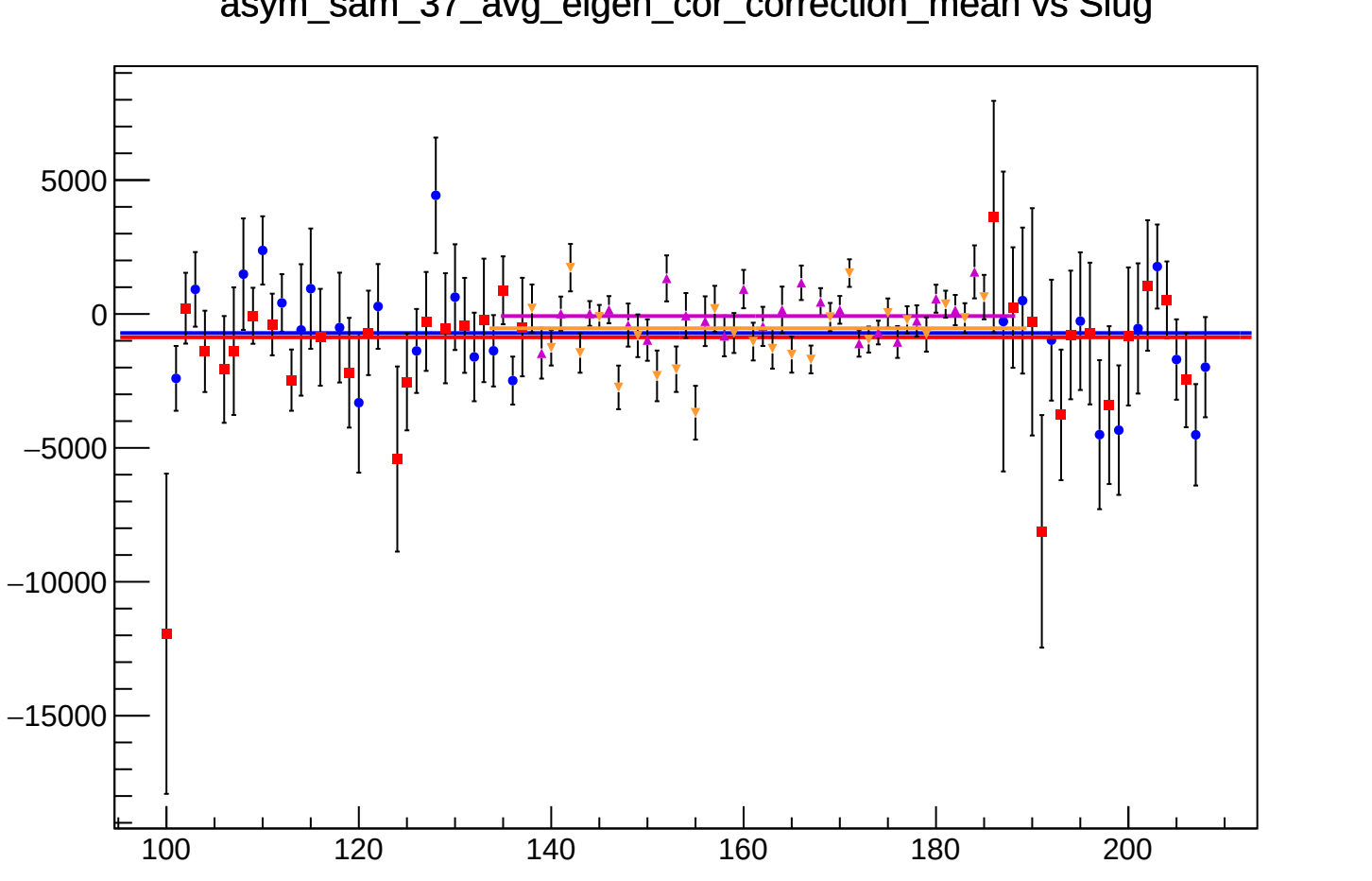
Right Out: 91.751+/-0.019 χ^2/NDF: 7708985.9/30

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 68.942+/-0.009 χ^2/NDF: 9116430.4/51

All: 69.209+/-0.006 χ^2/NDF: 19373921.8/105

- sign 69.489+/-0.009 χ^2/NDF: 10255649.9/53



Right In: -711.511+/-324.308 χ^2/NDF: 35.9/26

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

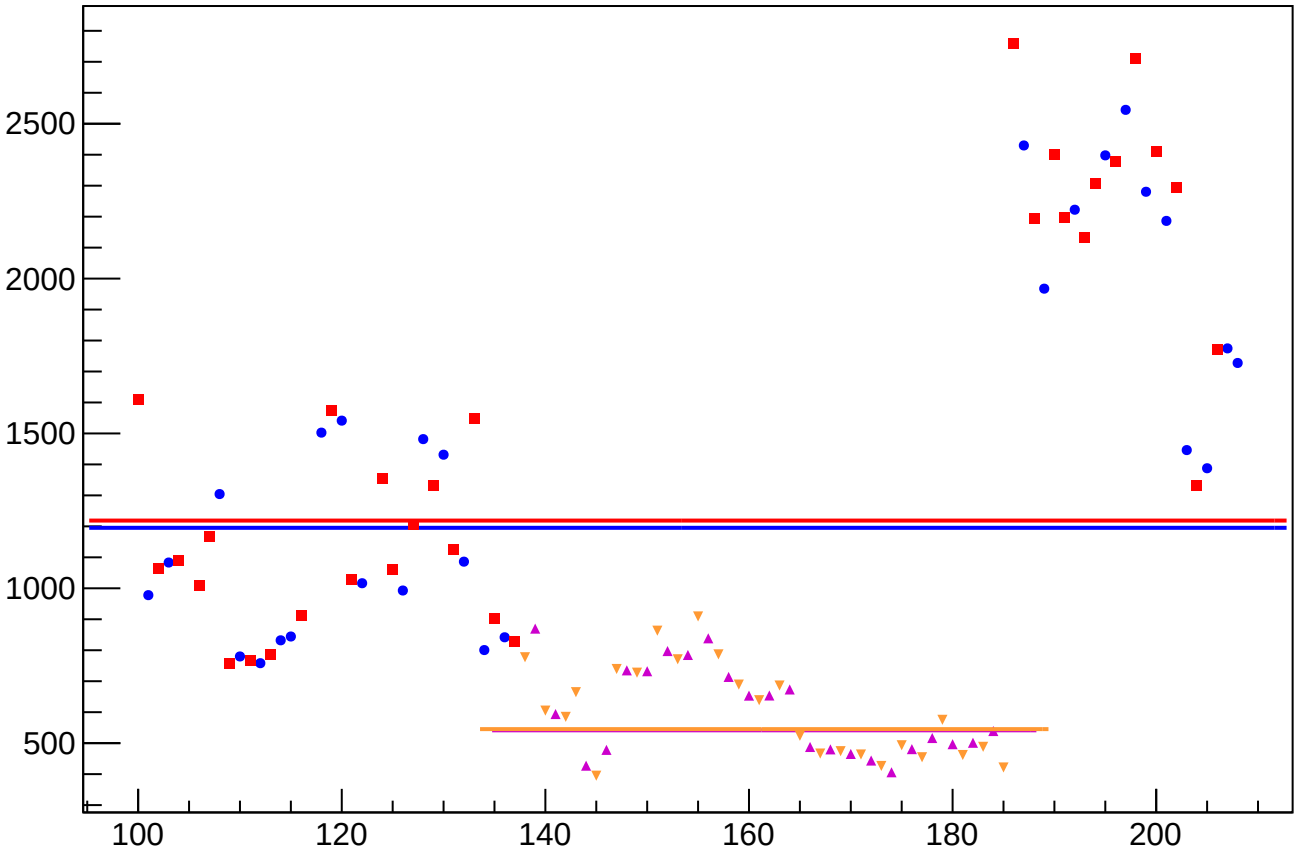
Right Out: -870.664+/-328.494 χ^2/NDF: 21.3/30

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -556.842+/-119.003 χ^2/NDF: 105.3/51

All: -374.348+/-84.891 χ^2/NDF: 164.7/105

- sign -185.261+/-121.134 χ^2/NDF: 54.7/53



Right In: 1195.323+/-0.229 χ^2/NDF: 4164612.3/26

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1218.695+/-0.232 χ^2/NDF: 4985919.0/30

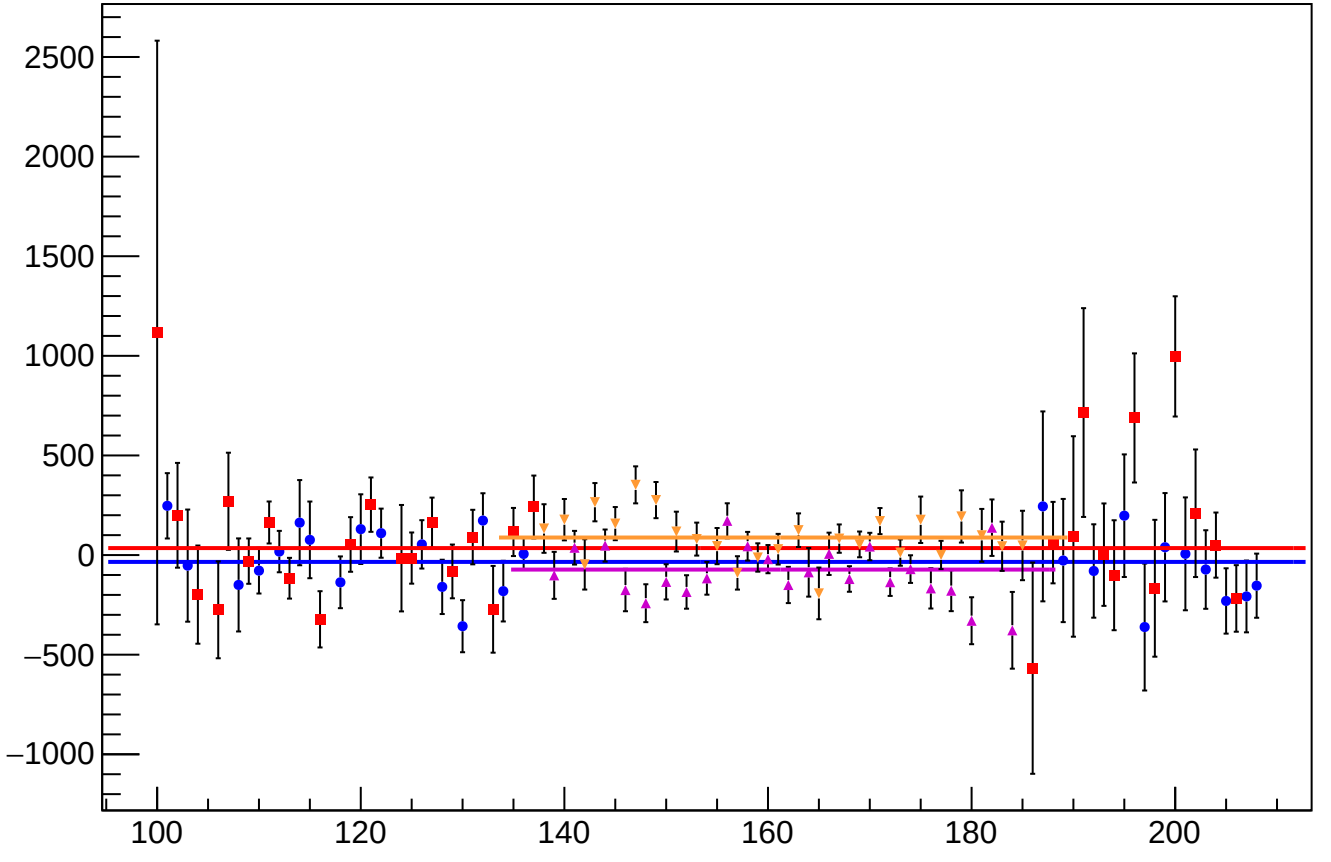
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 632.828+/-0.084 χ^2/NDF: 13201119.5/51

All: 633.182+/-0.060 χ^2/NDF: 27372205.6/10

- sign 633.548+/-0.086 χ^2/NDF: 14171050.1/53

dit_asym_sam_37_avg_mean vs Slug



Right In: -34.352+/-30.301 χ^2/NDF: 23.6/26

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 35.034+/-31.058 χ^2/NDF: 44.1/30

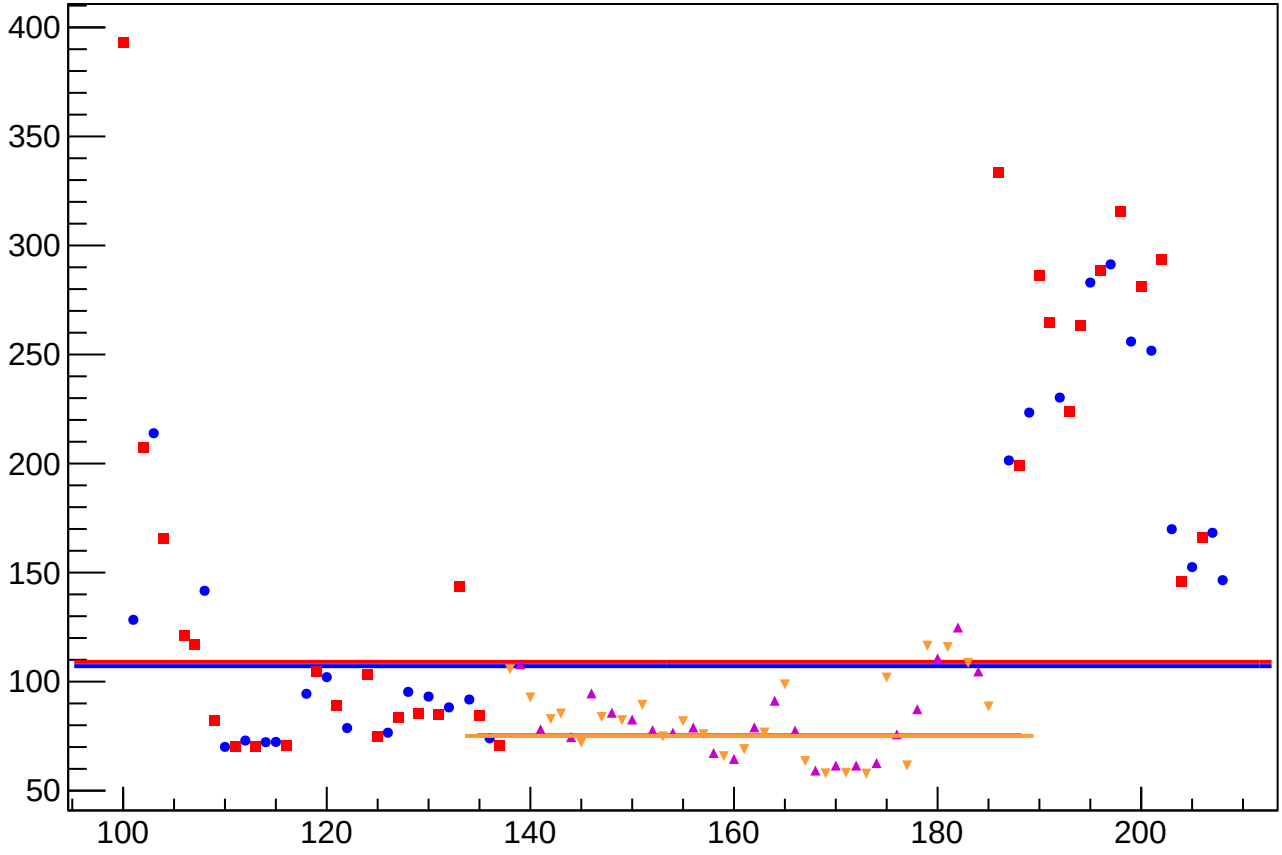
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 56.786+/-15.312 χ^2/NDF: 72.7/51

All: 7.282+/-10.979 χ^2/NDF: 185.7/105

- sign -45.101+/-15.751 χ^2/NDF: 91.5/53

dit_asym_sam_37_avg_rms vs Slug



Right In: 107.089+/-0.021 χ^2/NDF: 5664502.9/26

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

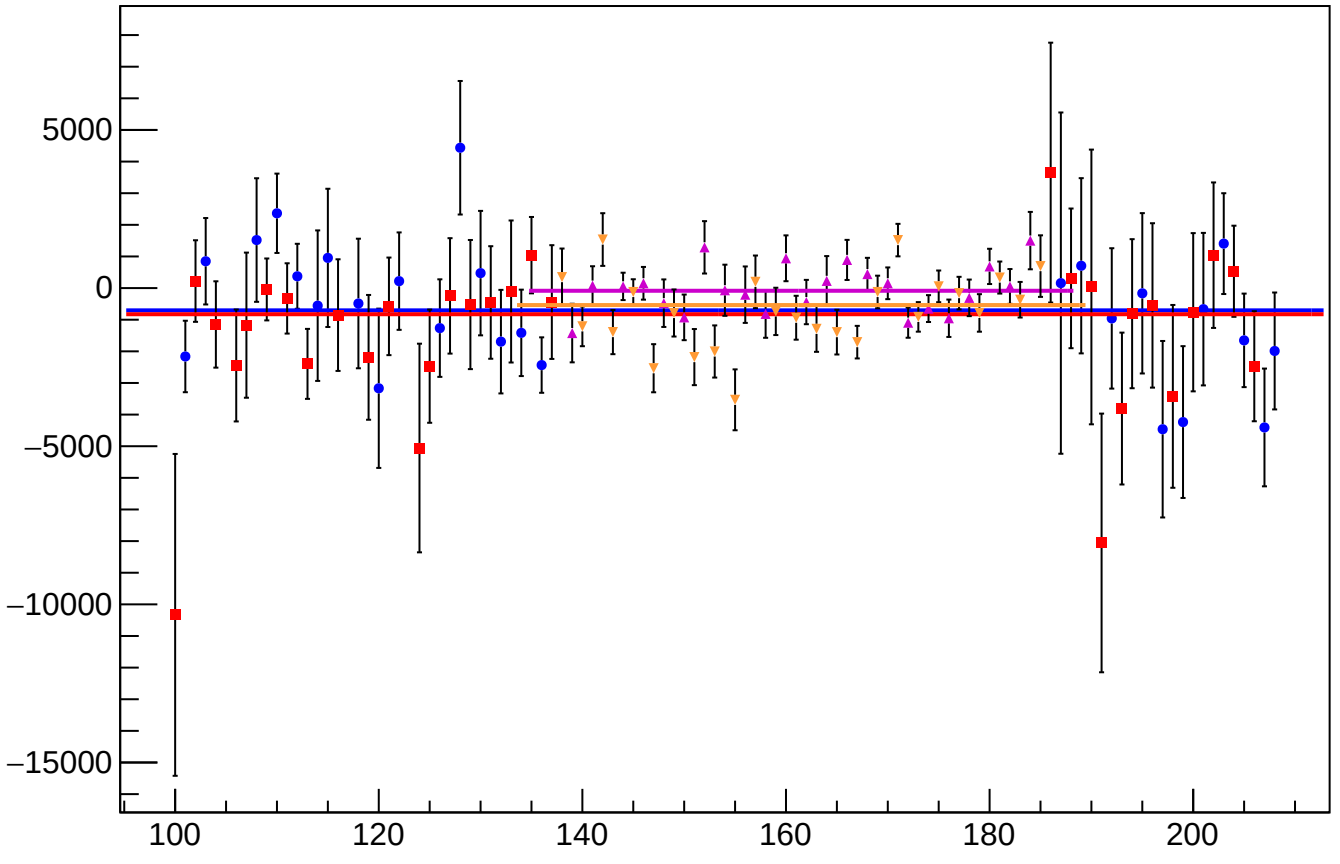
Right Out: 109.069+/-0.022 χ^2/NDF: 7098992.9/30

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 83.289+/-0.011 χ^2/NDF: 8922825.3/51

All: 83.650+/-0.008 χ^2/NDF: 18999174.9/105

- sign 84.032+/-0.011 χ^2/NDF: 10074062.2/53



Right In: -704.174+/-317.642 χ^2/NDF: 35.1/26

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -826.615+/-316.734 χ^2/NDF: 23.0/30

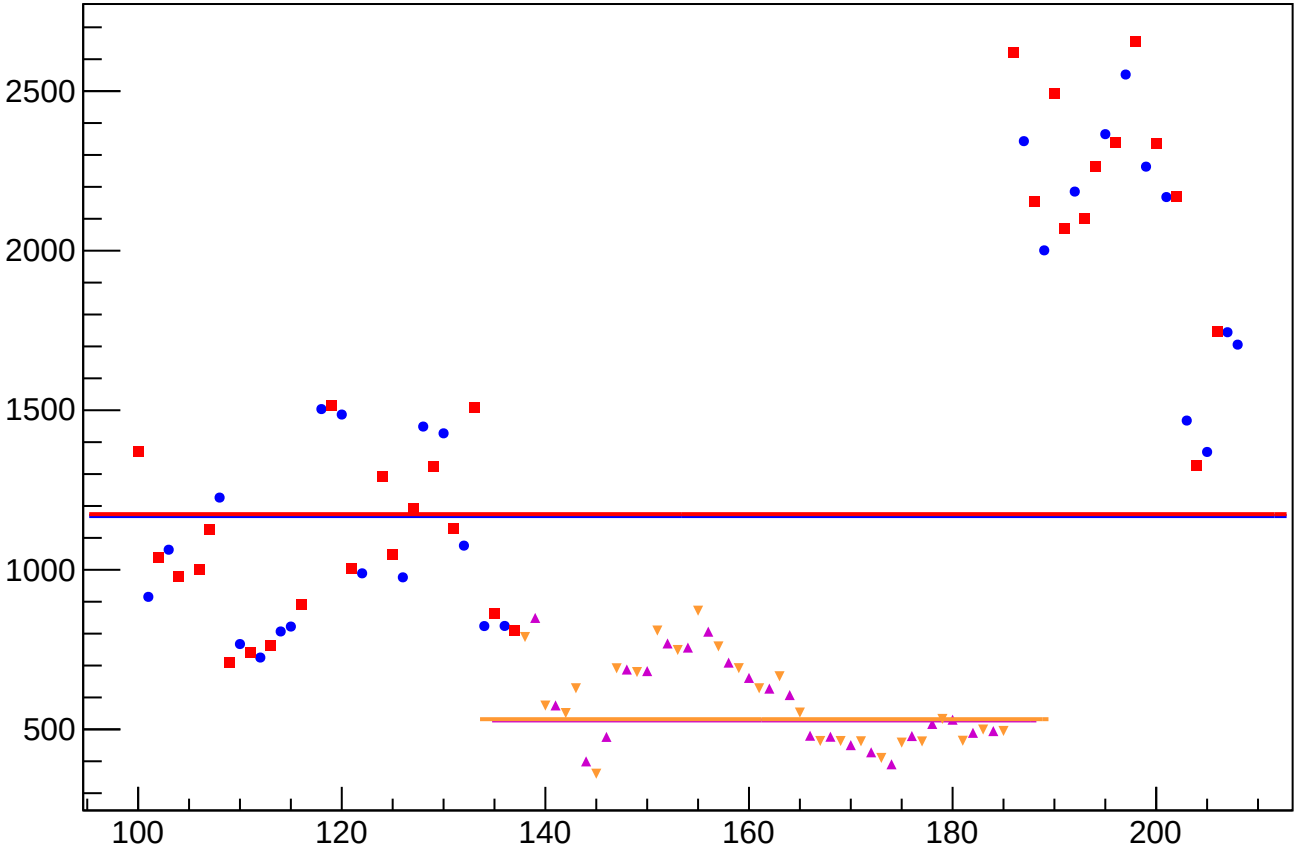
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -559.071+/-115.891 χ^2/NDF: 102.4/51

All: -376.485+/-82.651 χ^2/NDF: 162.7/105

- sign -187.488+/-117.909 χ^2/NDF: 55.2/53

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1168.378+/-0.225 χ^2/NDF: 4304546.7/26

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1174.422+/-0.224 χ^2/NDF: 5159698.9/30

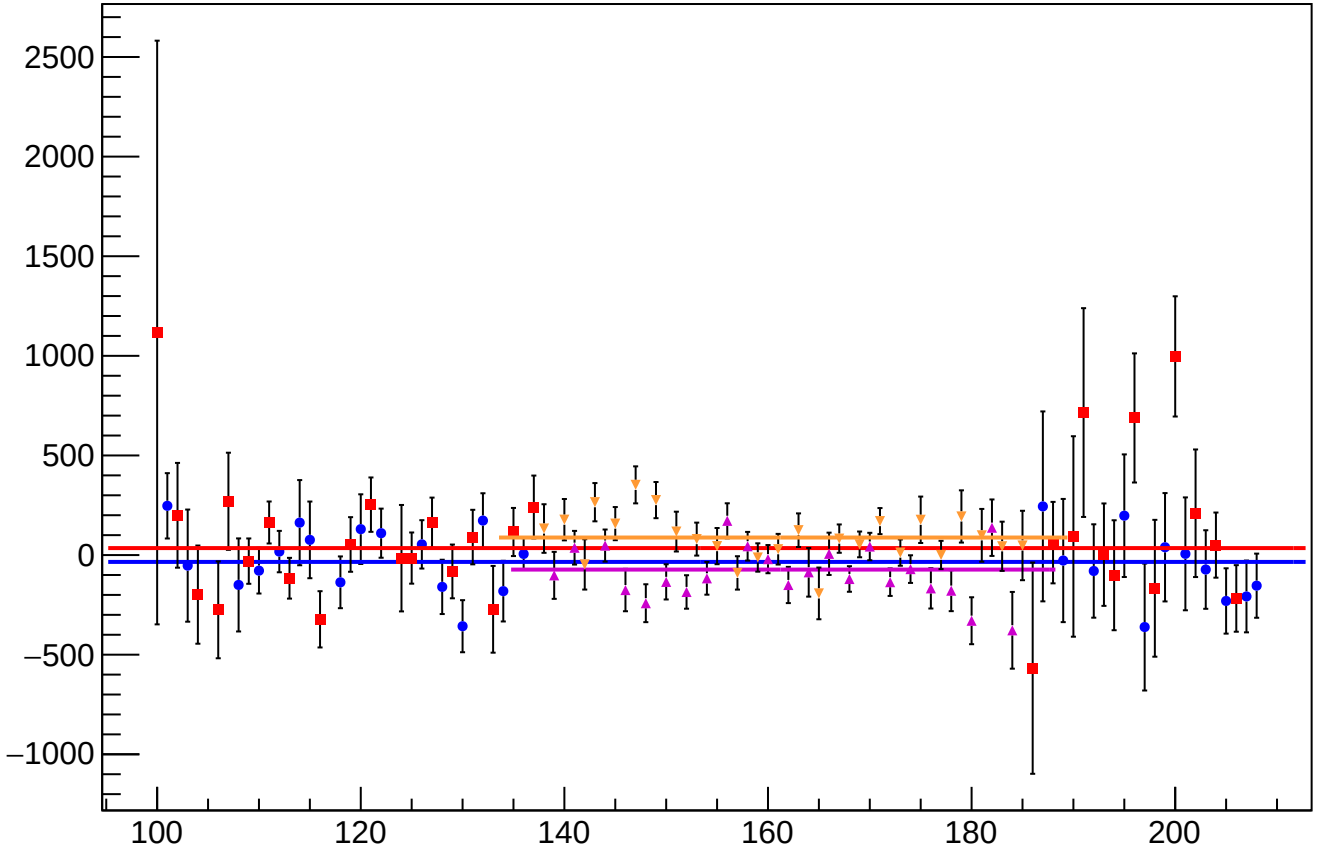
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 616.600+/-0.082 χ^2/NDF: 13304069.3/51

All: 617.076+/-0.058 χ^2/NDF: 27440716.0/10

- sign 617.569+/-0.083 χ^2/NDF: 14136578.0/53

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -34.352+/-30.301 χ^2/NDF: 23.6/26

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 35.037+/-31.058 χ^2/NDF: 44.1/30

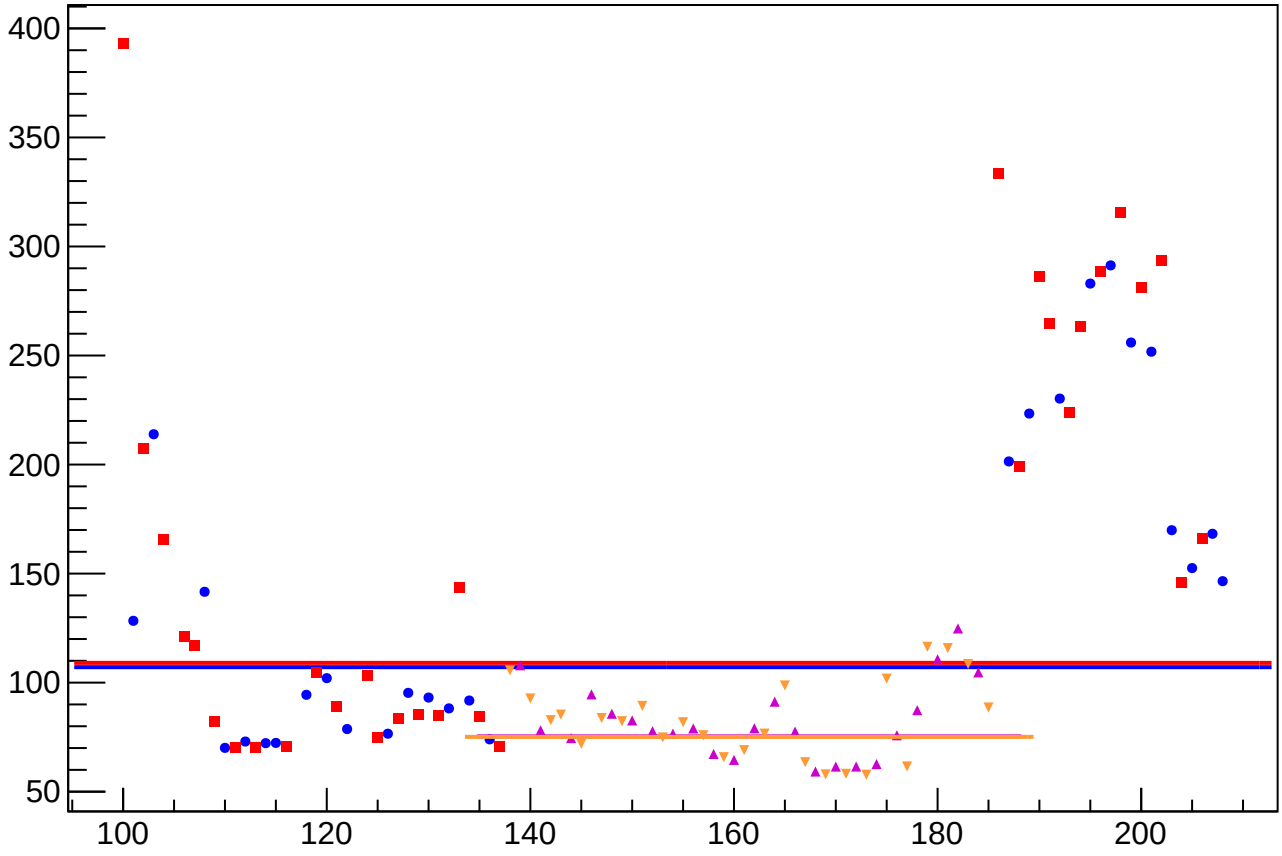
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 56.786+/-15.312 χ^2/NDF: 72.7/51

All: 7.282+/-10.979 χ^2/NDF: 185.7/105

- sign -45.100+/-15.751 χ^2/NDF: 91.5/53

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 107.089+/-0.021 χ^2/NDF: 5664465.5/26

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

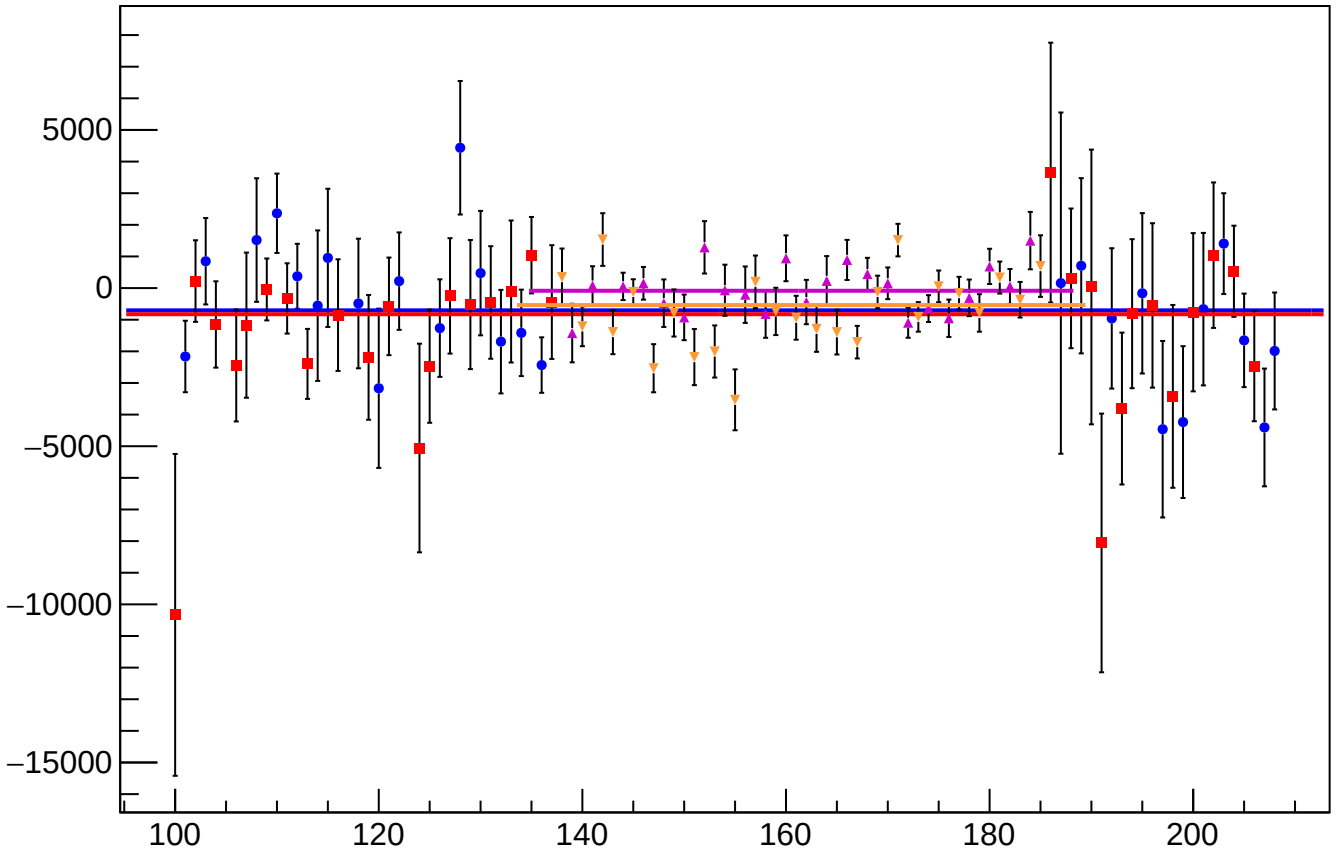
Right Out: 109.070+/-0.022 χ^2/NDF: 7098960.3/30

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 83.290+/-0.011 χ^2/NDF: 8922796.5/51

All: 83.651+/-0.008 χ^2/NDF: 18999135.5/105

- sign 84.033+/-0.011 χ^2/NDF: 10074051.6/53



Right In: -704.171+/-317.642 χ^2/NDF: 35.1/26

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

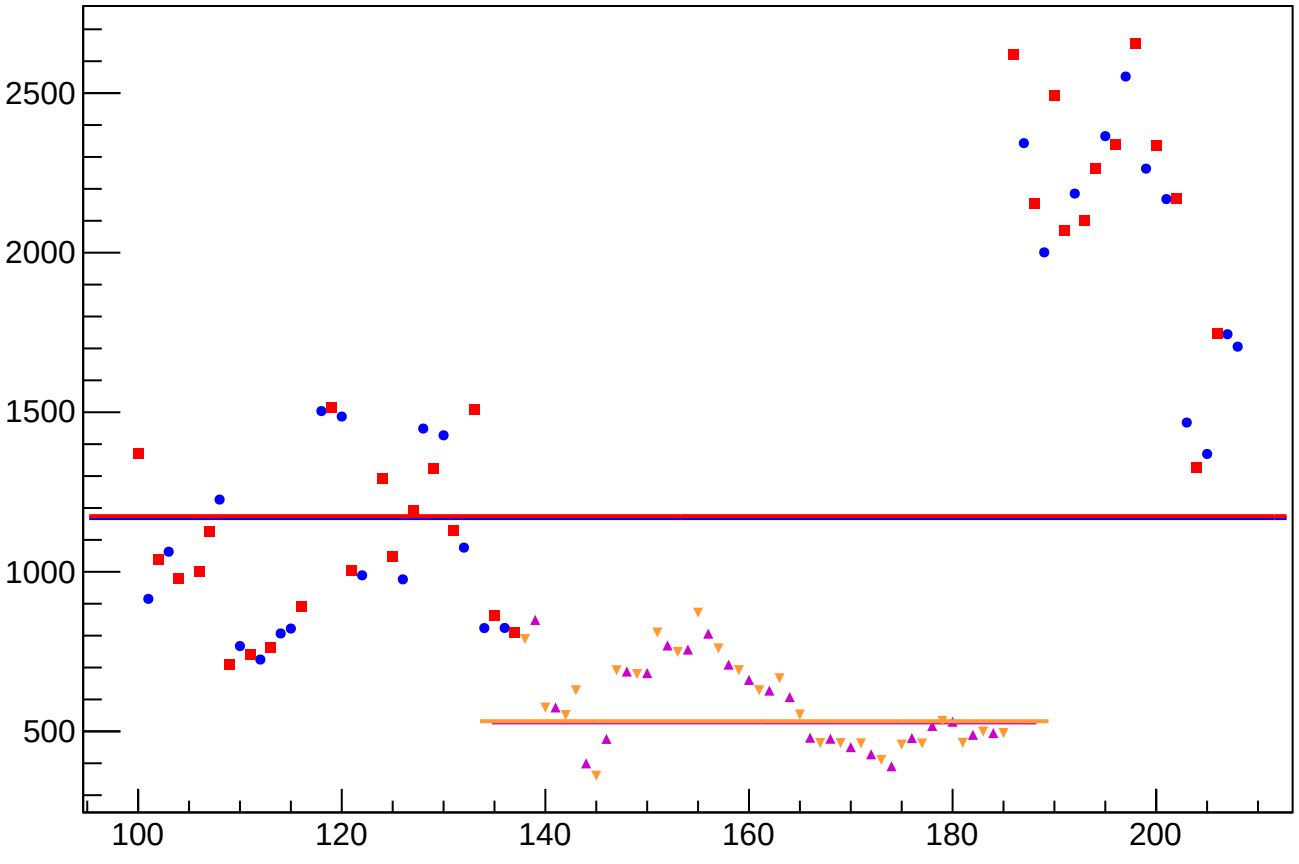
Right Out: -826.614+/-316.733 χ^2/NDF: 23.0/30

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -559.071+/-115.891 χ^2/NDF: 102.4/51

All: -376.485+/-82.651 χ^2/NDF: 162.7/105

- sign -187.488+/-117.909 χ^2/NDF: 55.2/53



Right In: 1168.376+/-0.225 χ^2/NDF: 4304557.6/26

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1174.420+/-0.224 χ^2/NDF: 5159706.3/30

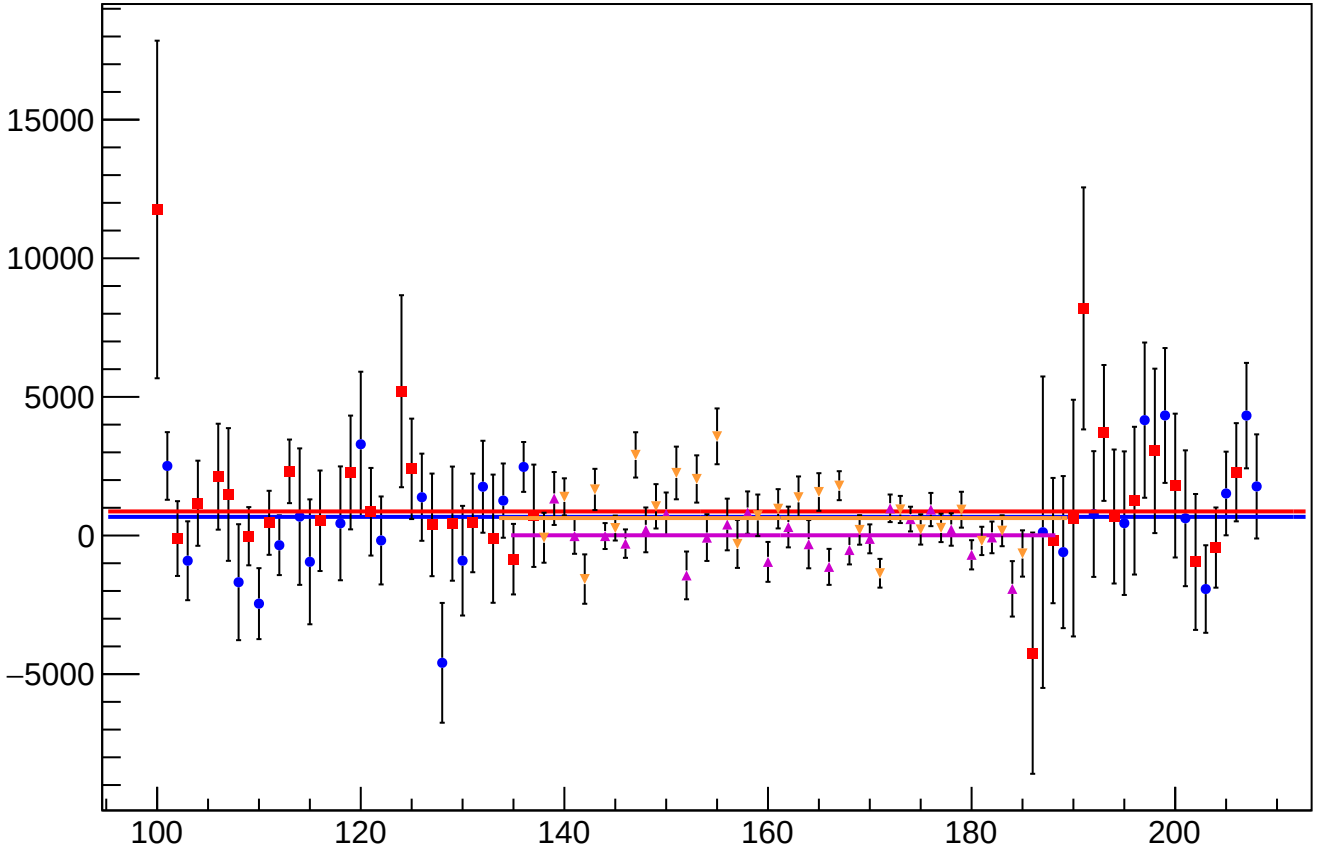
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 616.600+/-0.082 χ^2/NDF: 13304057.8/51

All: 617.076+/-0.058 χ^2/NDF: 27440685.7/10

- sign 617.569+/-0.083 χ^2/NDF: 14136559.2/53

asym_sam_37_avg_mean vs Slug



Right In: 672.564+/-325.947 χ^2/NDF: 36.0/26

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 868.730+/-329.686 χ^2/NDF: 20.1/30

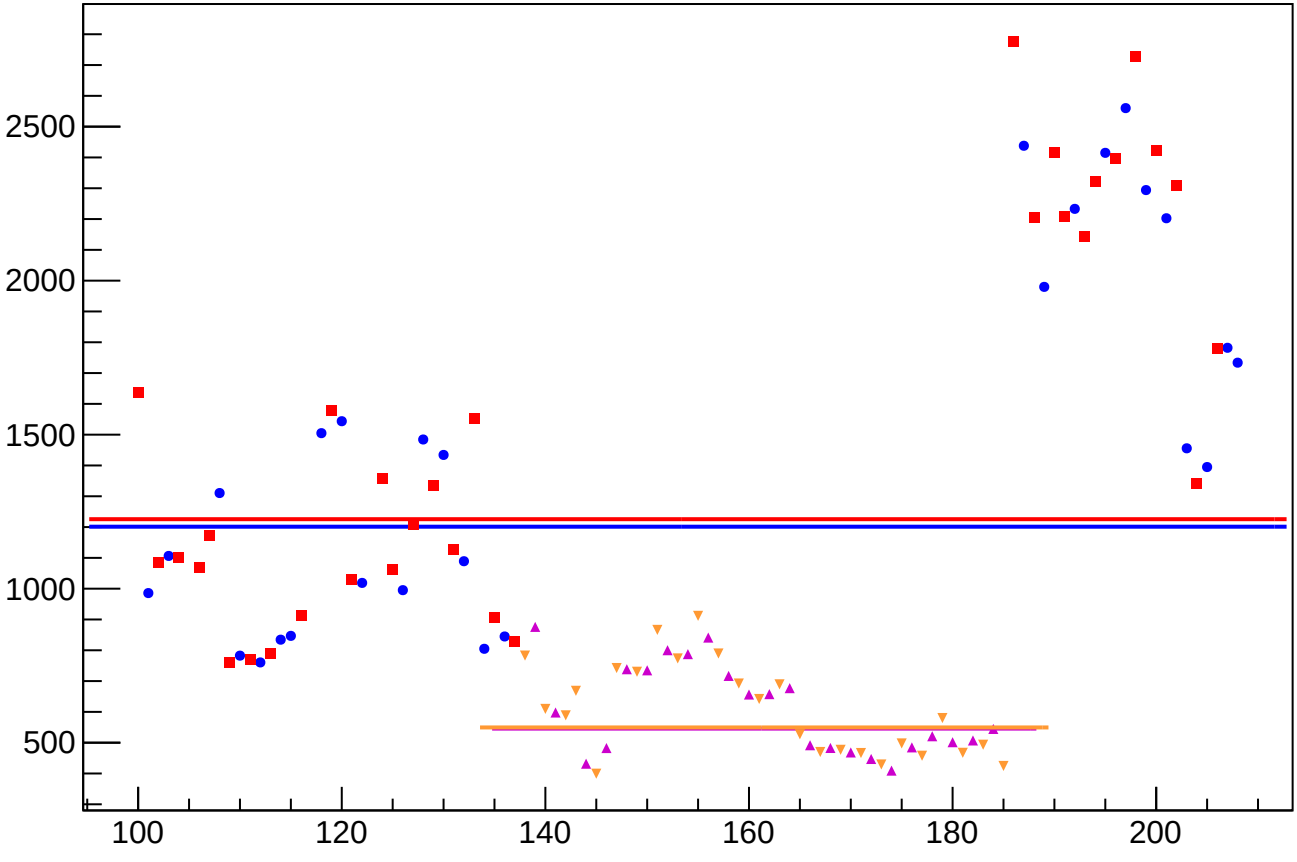
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 635.215+/-119.830 χ^2/NDF: 100.9/51

All: 385.226+/-85.480 χ^2/NDF: 163.1/105

- sign 126.212+/-121.974 χ^2/NDF: 53.3/53

asym_sam_37_avg_rms vs Slug



Right In: 1201.218+/-0.230 χ^2/NDF: 4171314.1/26

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1225.607+/-0.233 χ^2/NDF: 4988317.4/30

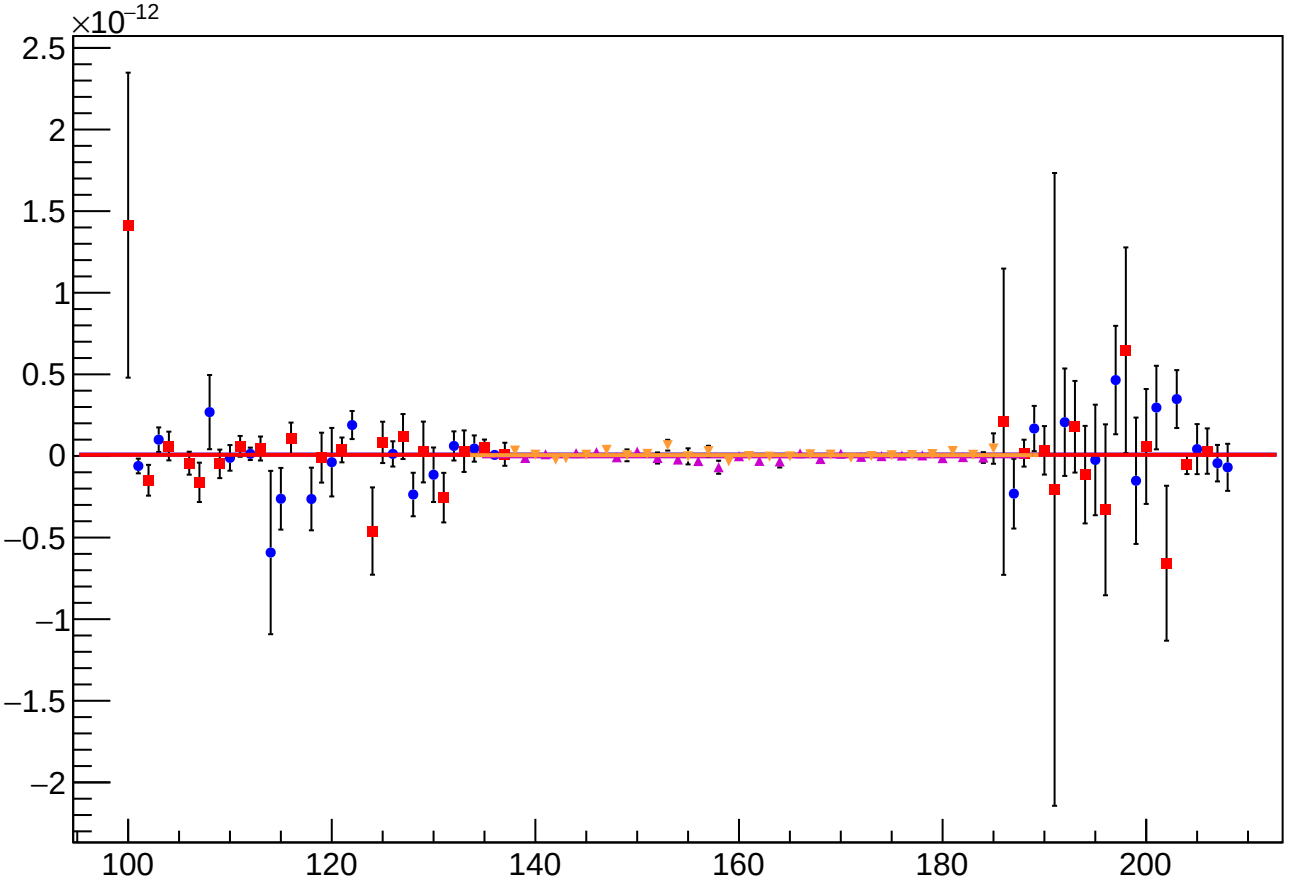
Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 637.562+/-0.085 χ^2/NDF: 13140795.5/51

All: 638.155+/-0.060 χ^2/NDF: 27285315.3/10

- sign 638.770+/-0.086 χ^2/NDF: 14144419.8/53

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 30.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

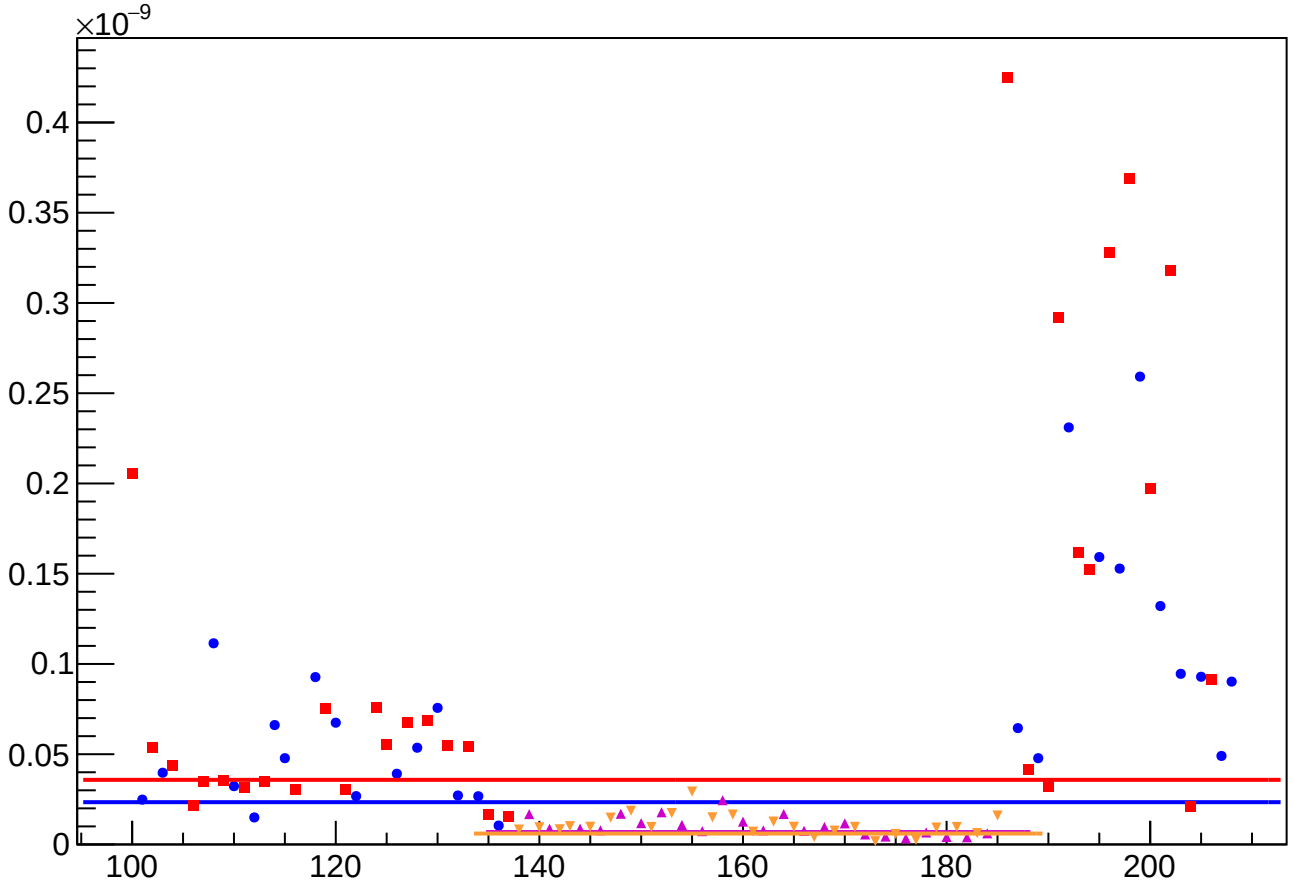
Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/30

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.9/51

All: 0.000+/-0.000 χ^2/NDF: 92.4/105

- sign -0.000+/-0.000 χ^2/NDF: 43.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 6072560.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5074475.5/30

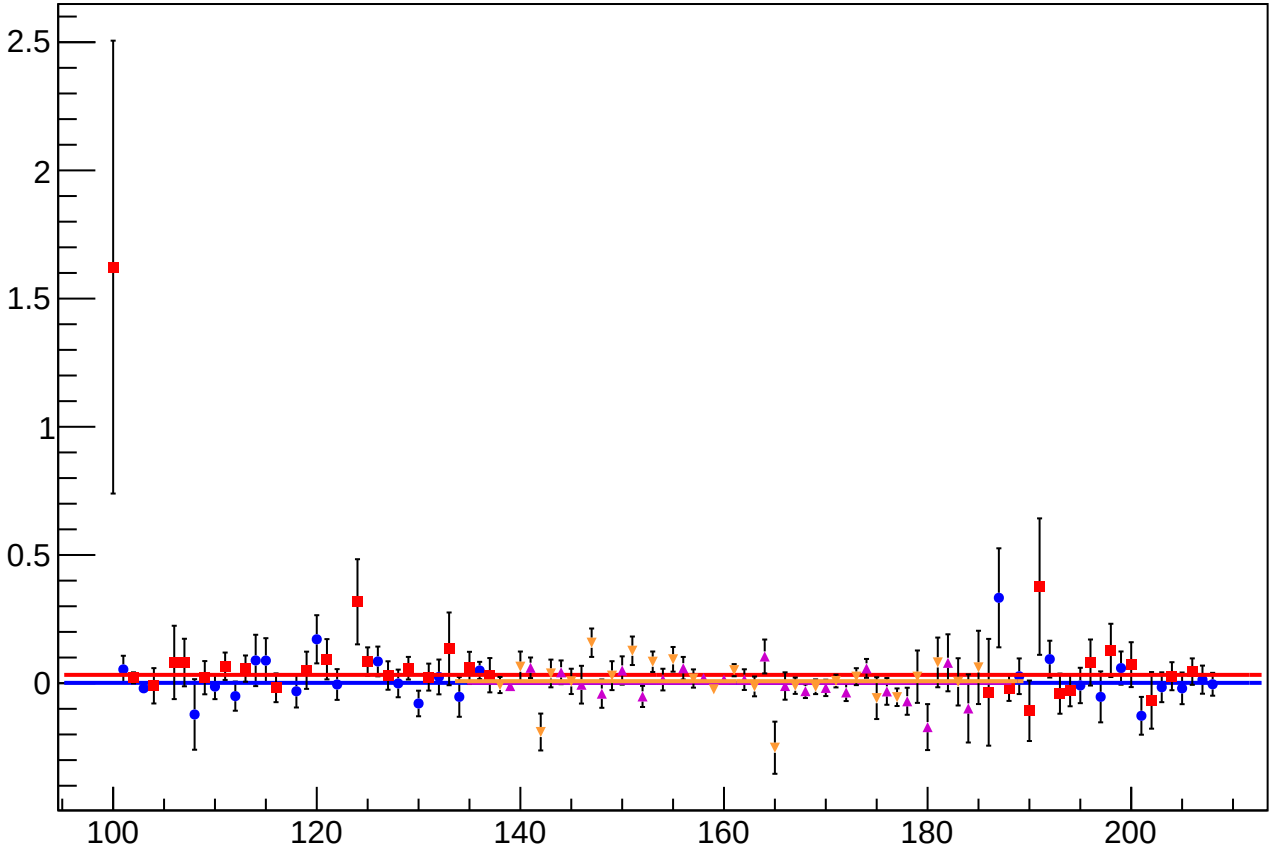
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12649351.6/51

All: 0.000+/-0.000 χ^2/NDF: 24926364.6/105

- sign 0.000+/-0.000 χ^2/NDF: 12187594.1/53

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/26

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.6/30

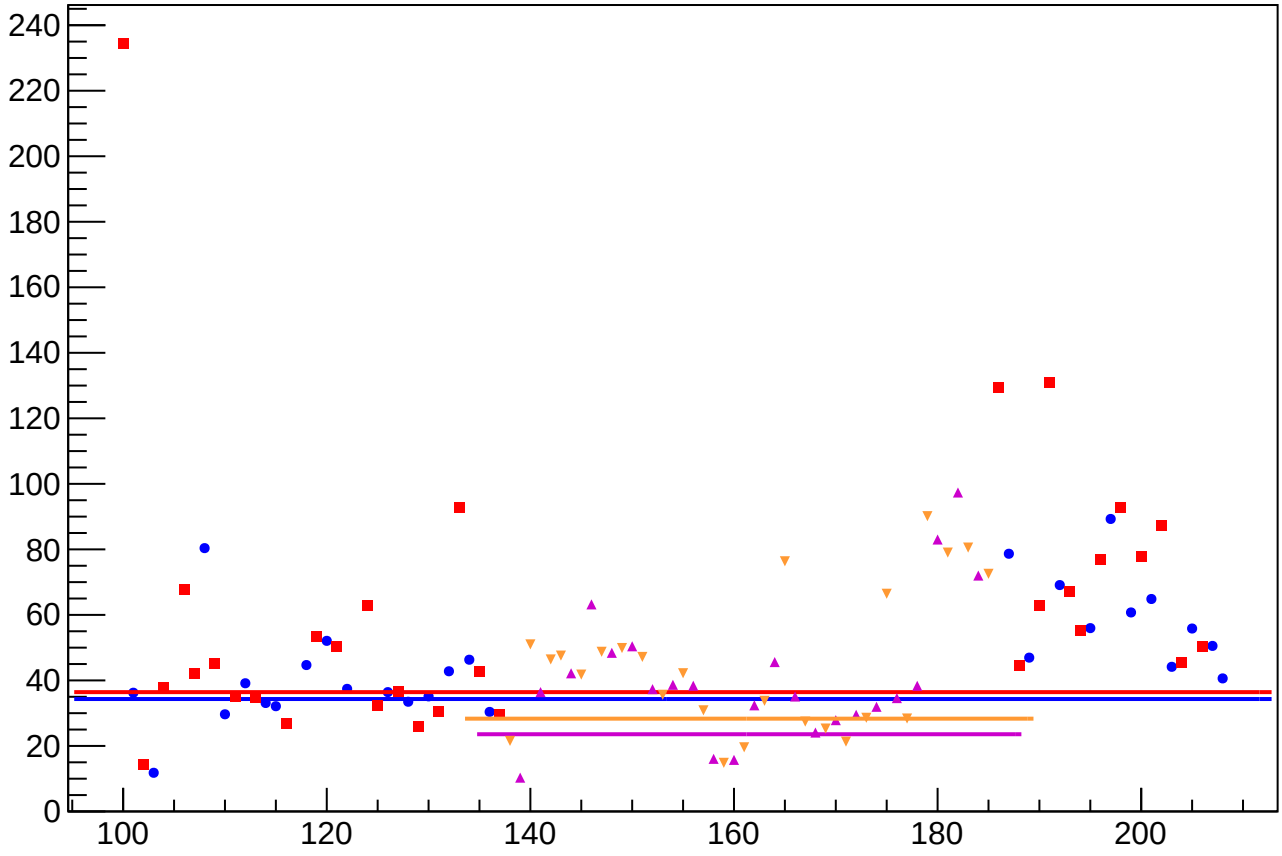
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.5/51

All: 0.008+/-0.004 χ^2/NDF: 124.3/105

- sign 0.010+/-0.006 χ^2/NDF: 50.5/53

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.320+/-0.007 χ^2/NDF: 5769887.7/26

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

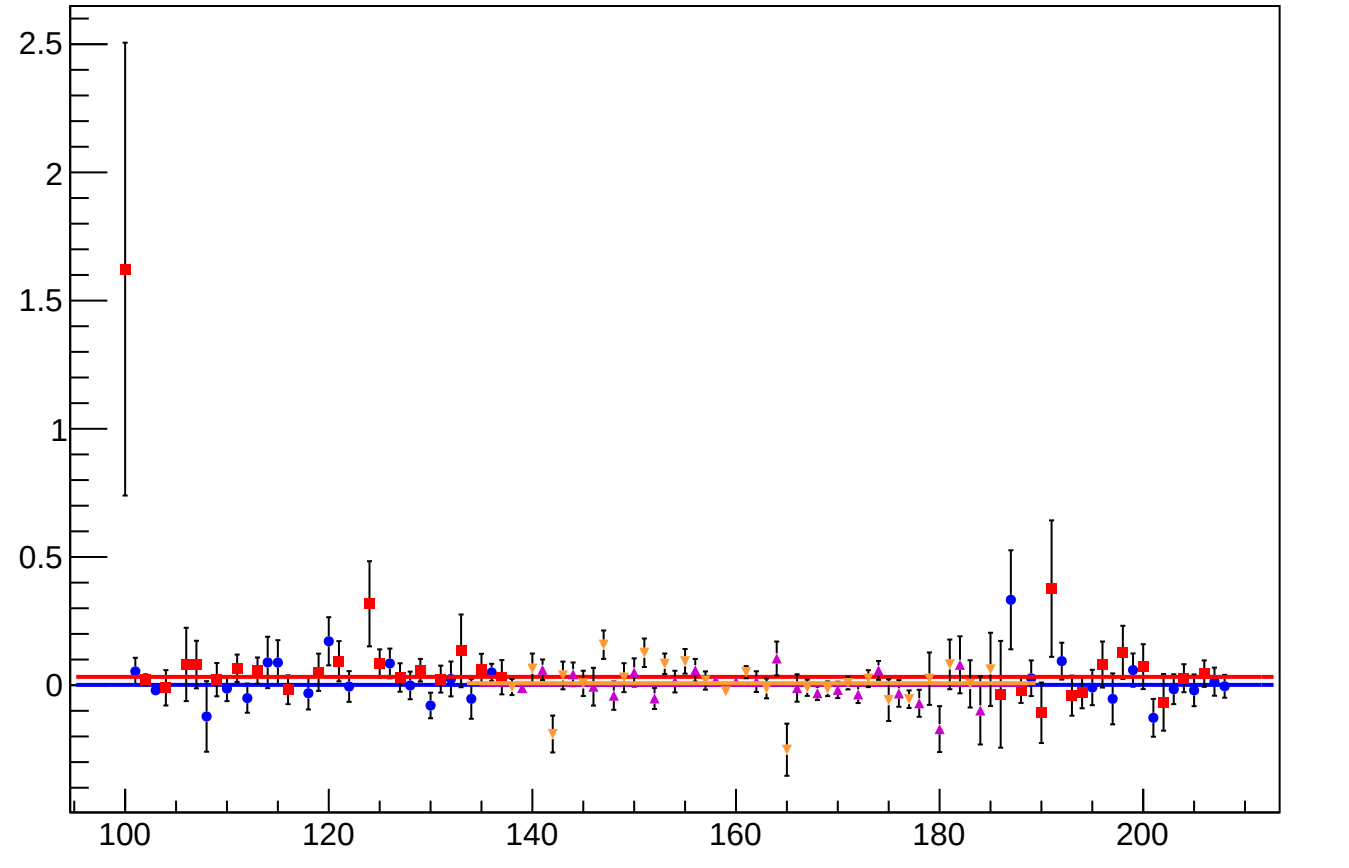
Right Out: 36.424+/-0.008 χ^2/NDF: 6511935.5/30

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 30.435+/-0.004 χ^2/NDF: 12998939.9/51

All: 28.705+/-0.003 χ^2/NDF: 30065806.1/105

- sign 27.151+/-0.004 χ^2/NDF: 16761574.1/53



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/26

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.6/30

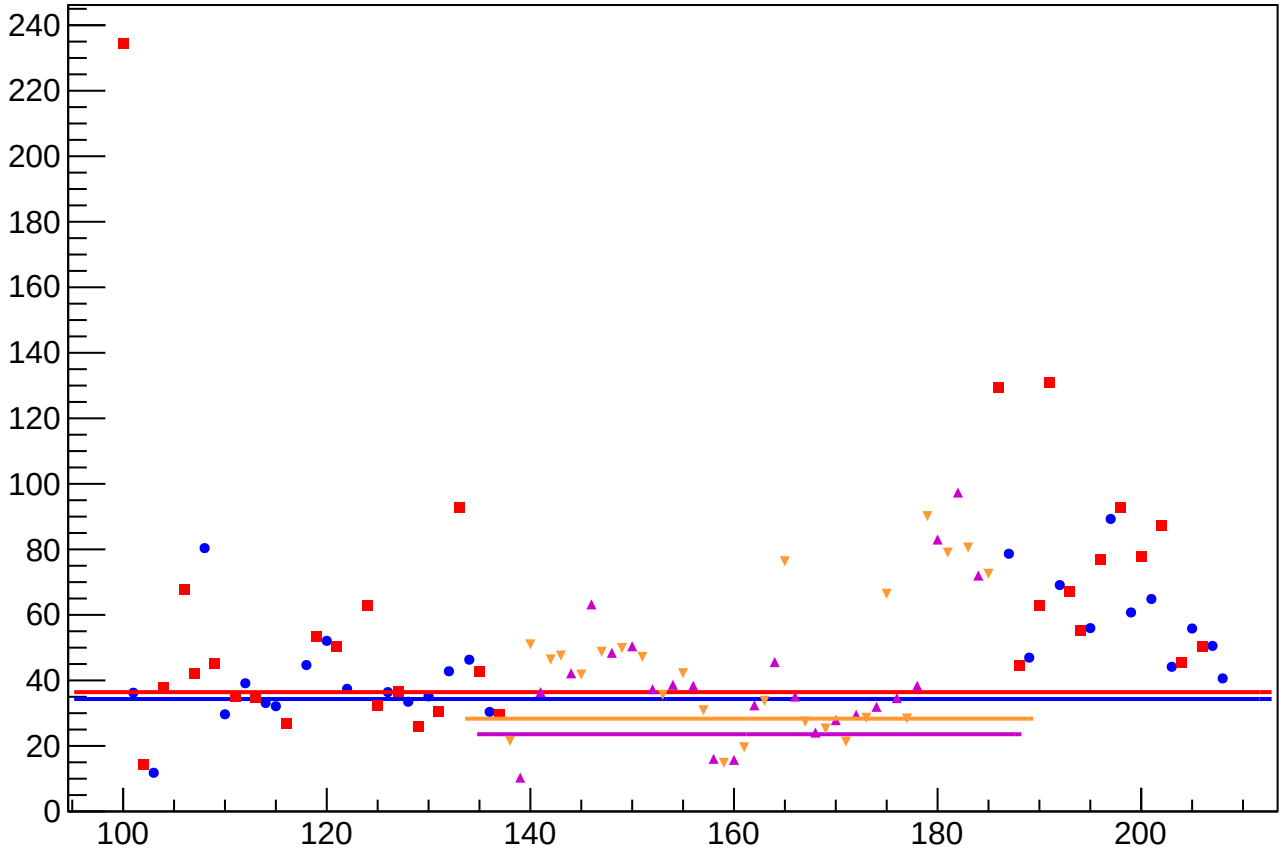
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.5/51

All: 0.008+/-0.004 χ^2/NDF: 124.3/105

- sign 0.010+/-0.006 χ^2/NDF: 50.5/53

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.320+/-0.007 χ^2/NDF: 5769887.7/26

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

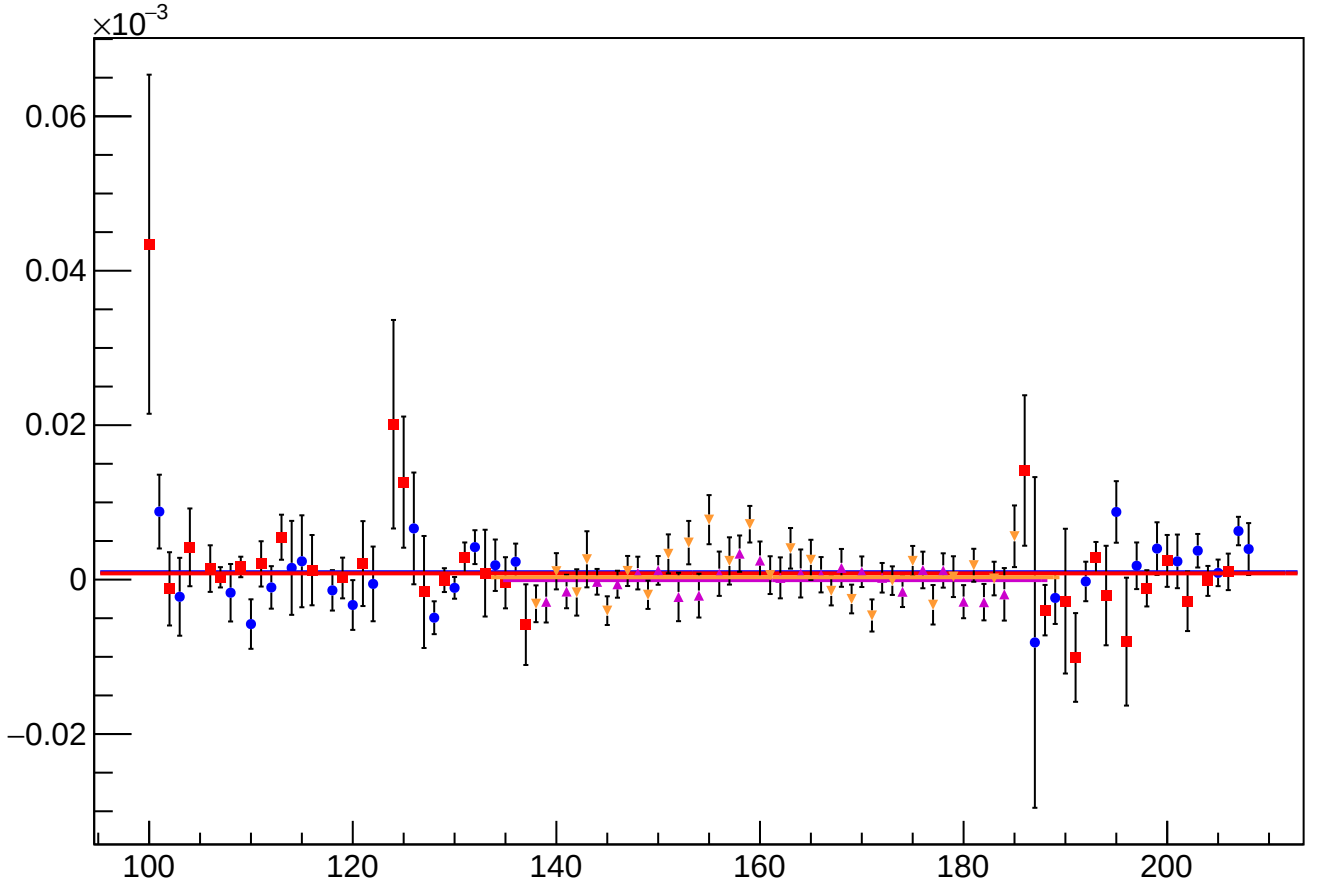
Right Out: 36.424+/-0.008 χ^2/NDF: 6511935.5/30

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 30.435+/-0.004 χ^2/NDF: 12998939.9/51

All: 28.705+/-0.003 χ^2/NDF: 30065806.1/105

- sign 27.151+/-0.004 χ^2/NDF: 16761574.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 41.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

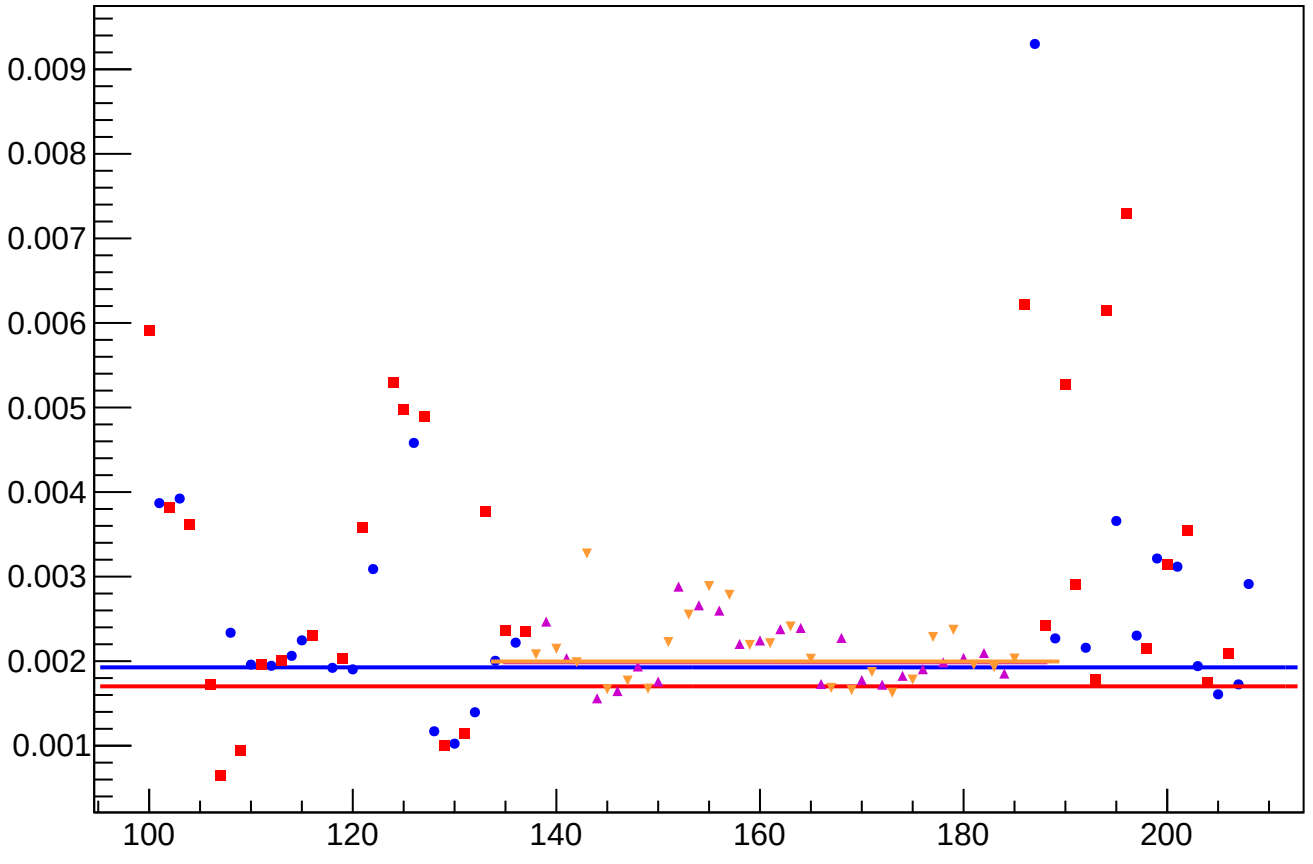
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/30

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.7/51

All: 0.000+/-0.000 χ^2/NDF: 128.9/105

- sign 0.000+/-0.000 χ^2/NDF: 40.9/53



Right In: 0.002+/-0.000 χ^2/NDF: 3750695.6/26

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

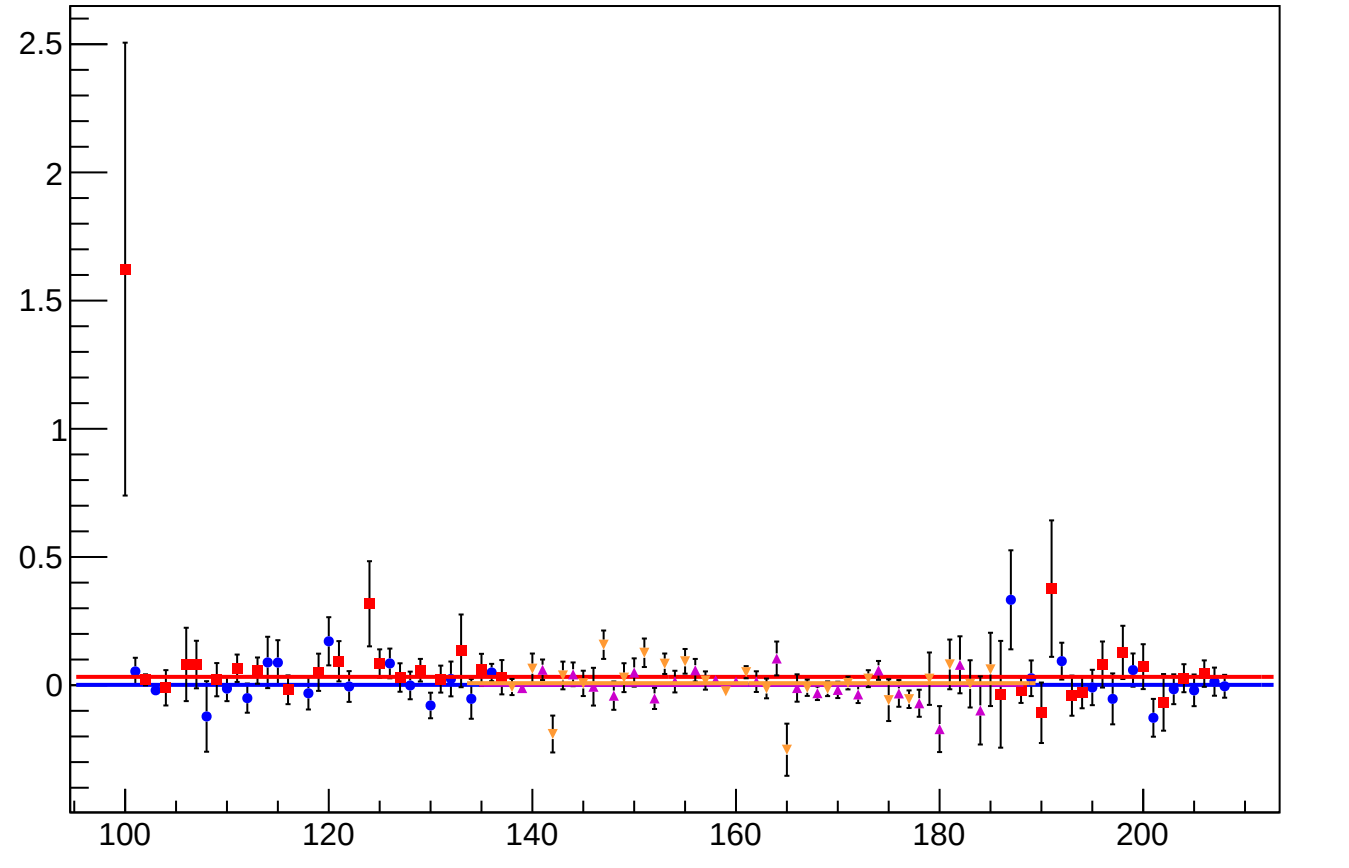
Right Out: 0.002+/-0.000 χ^2/NDF: 8548563.6/30

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 4943008.4/51

All: 0.002+/-0.000 χ^2/NDF: 14855876.9/105

- sign 0.002+/-0.000 χ^2/NDF: 9810173.6/53



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/26

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.6/30

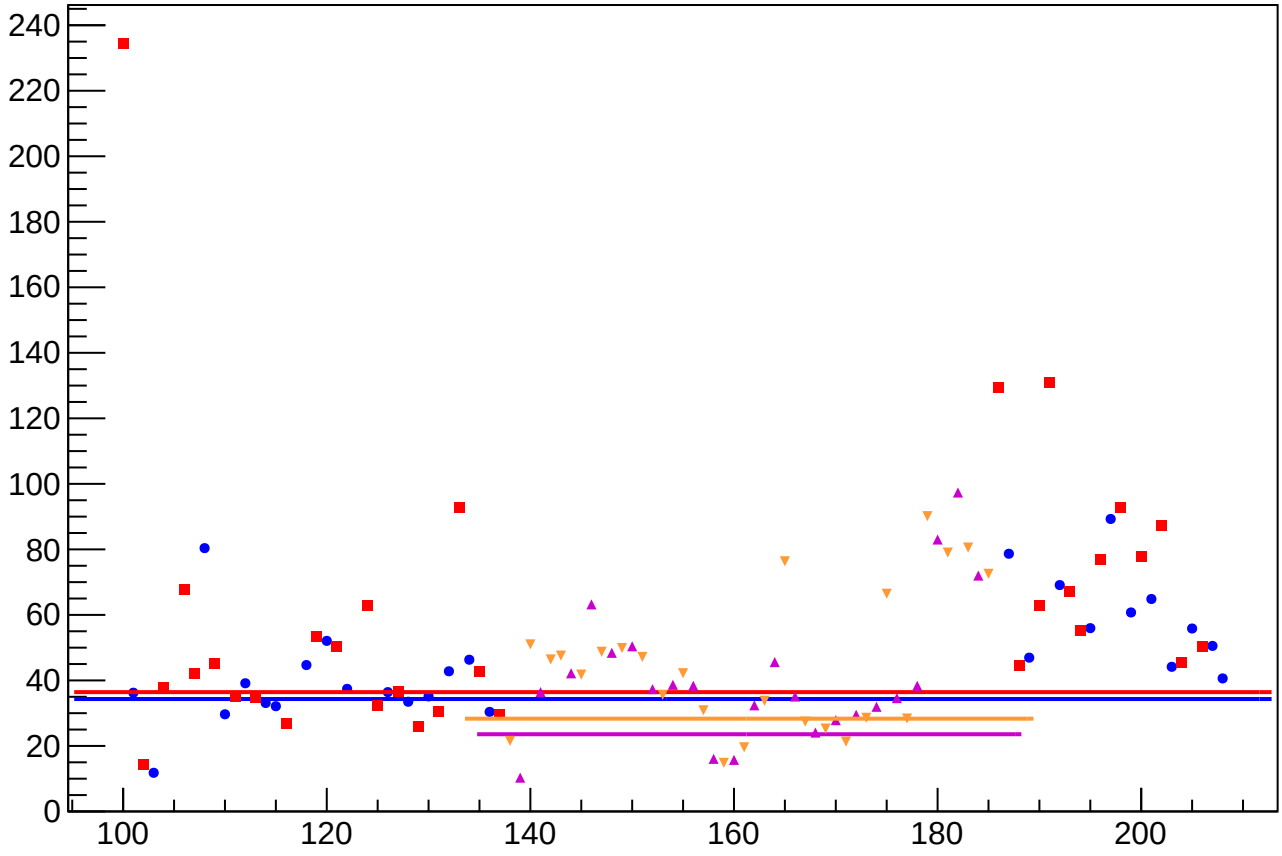
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.5/51

All: 0.008+/-0.004 χ^2/NDF: 124.3/105

- sign 0.010+/-0.006 χ^2/NDF: 50.5/53

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.320+/-0.007 χ^2/NDF: 5770295.2/26

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

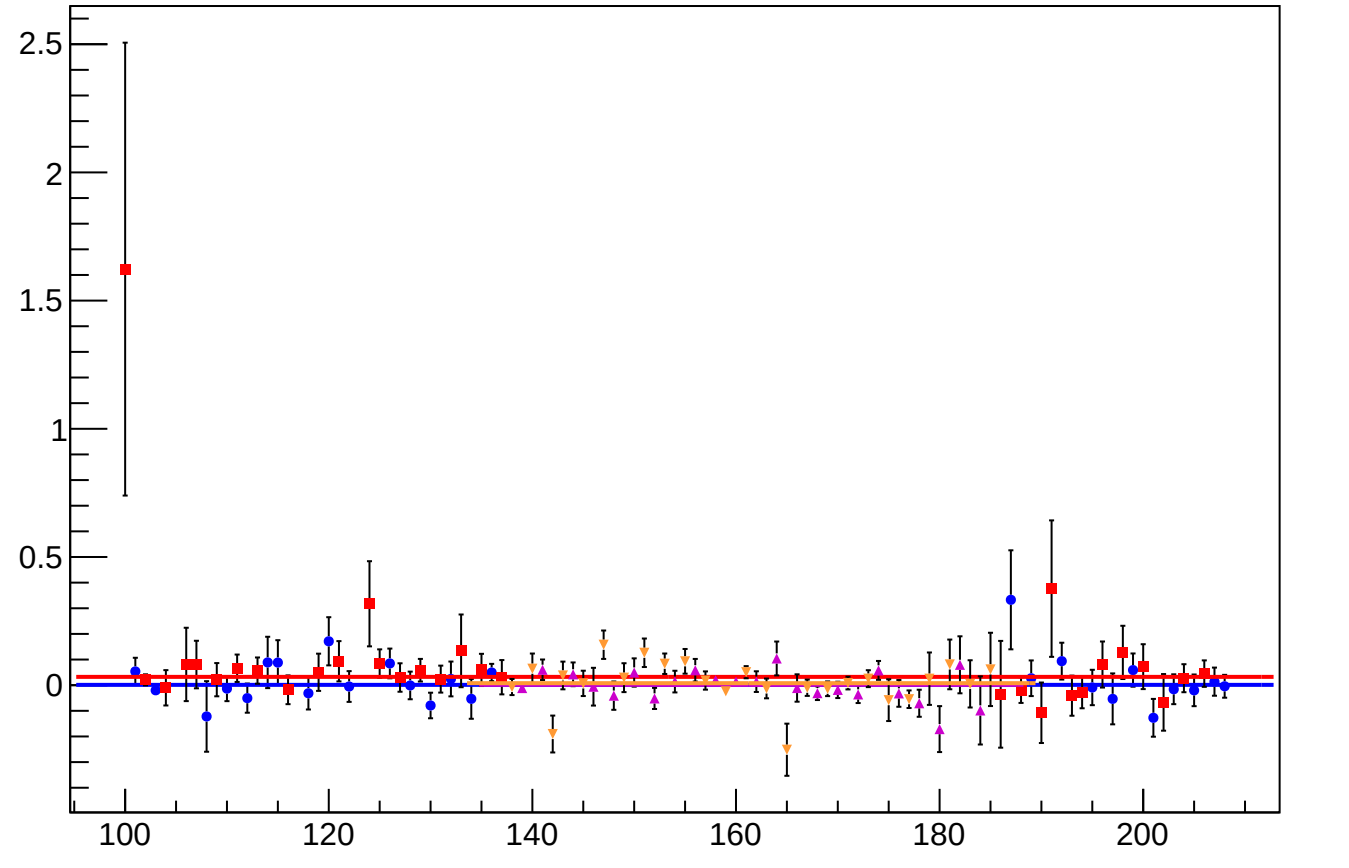
Right Out: 36.426+/-0.008 χ^2/NDF: 6510772.4/30

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

\+ sign 30.435+/-0.004 χ^2/NDF: 12999763.9/51

All: 28.705+/-0.003 χ^2/NDF: 30067618.4/105

\- sign 27.151+/-0.004 χ^2/NDF: 16762564.1/53



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/26

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

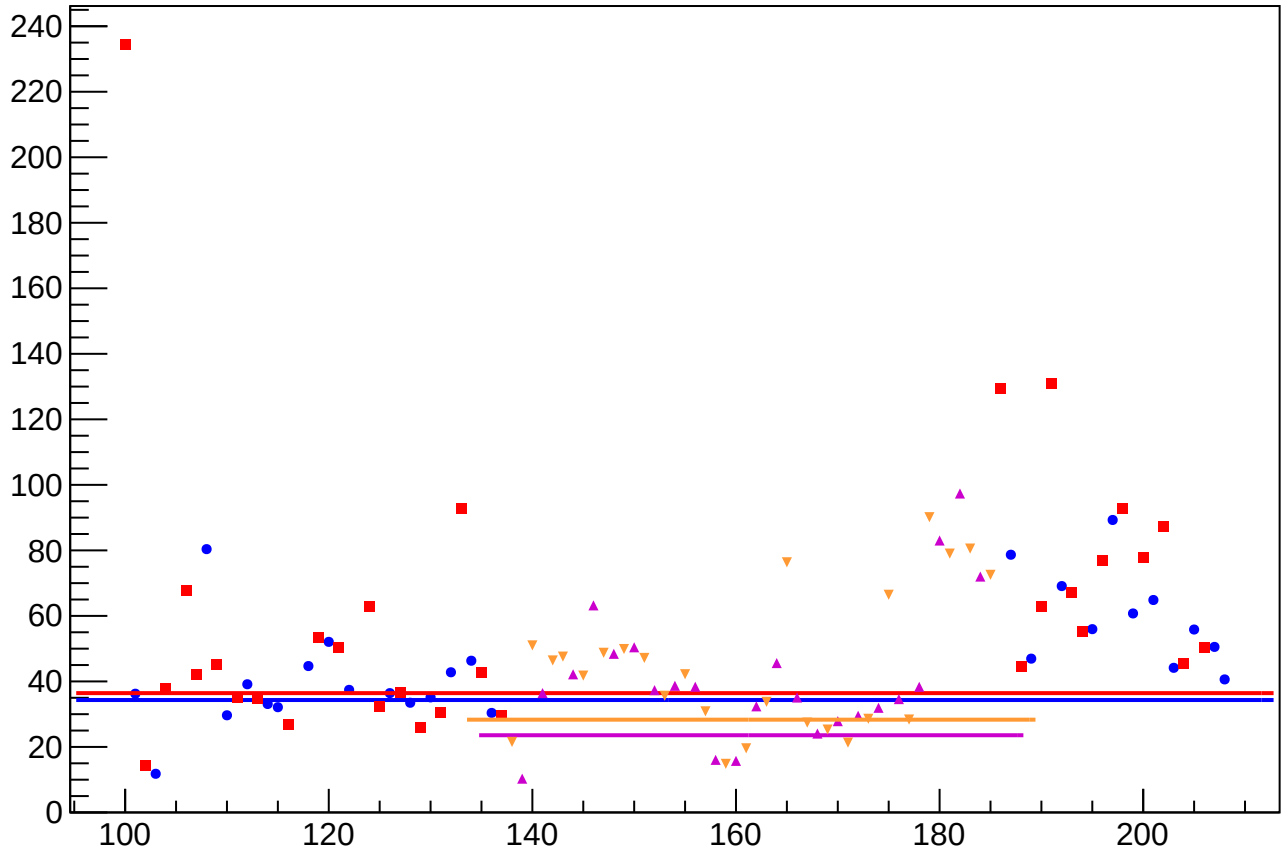
Right Out: 0.032+/-0.011 χ^2/NDF: 19.6/30

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.5/51

All: 0.008+/-0.004 χ^2/NDF: 124.3/105

- sign 0.010+/-0.006 χ^2/NDF: 50.5/53



Right In: 34.320+/-0.007 χ^2/NDF: 5770295.2/26

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

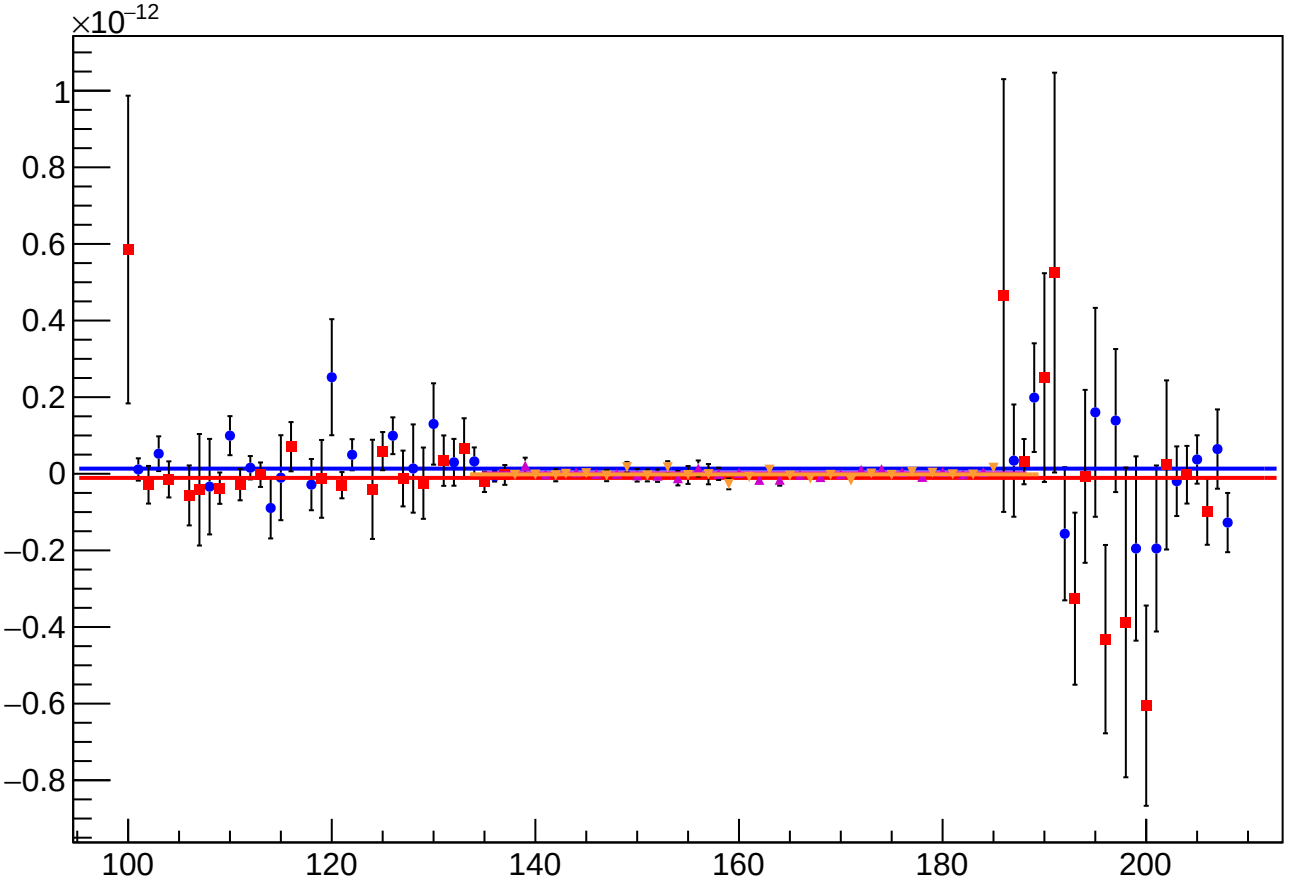
Right Out: 36.426+/-0.008 χ^2/NDF: 6510772.4/30

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 30.435+/-0.004 χ^2/NDF: 12999763.9/51

All: 28.705+/-0.003 χ^2/NDF: 30067618.4/105

- sign 27.151+/-0.004 χ^2/NDF: 16762564.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 24.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

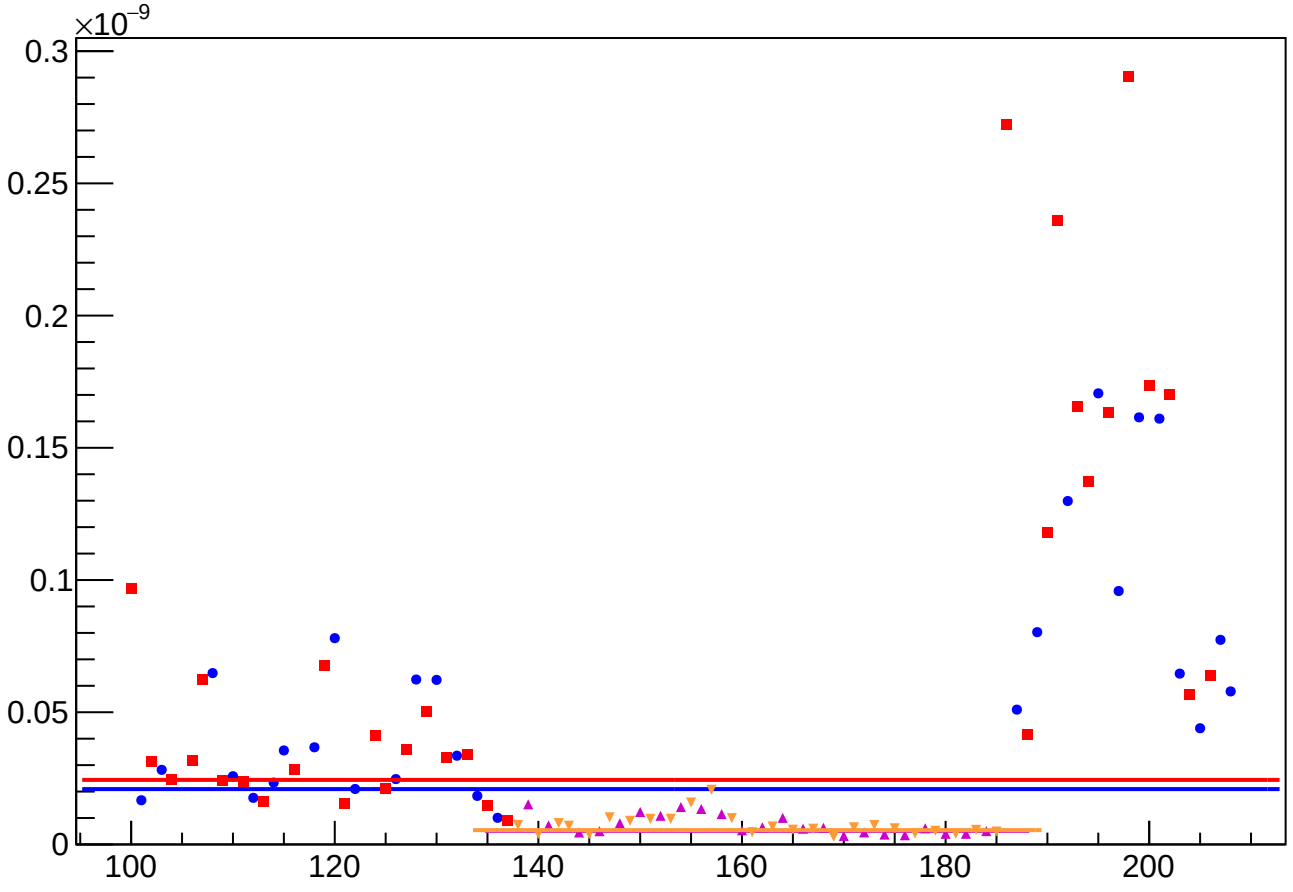
Right Out: -0.000+/-0.000 χ^2/NDF: 24.3/30

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.1/51

All: 0.000+/-0.000 χ^2/NDF: 87.2/105

- sign 0.000+/-0.000 χ^2/NDF: 41.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 8171051.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8410515.5/30

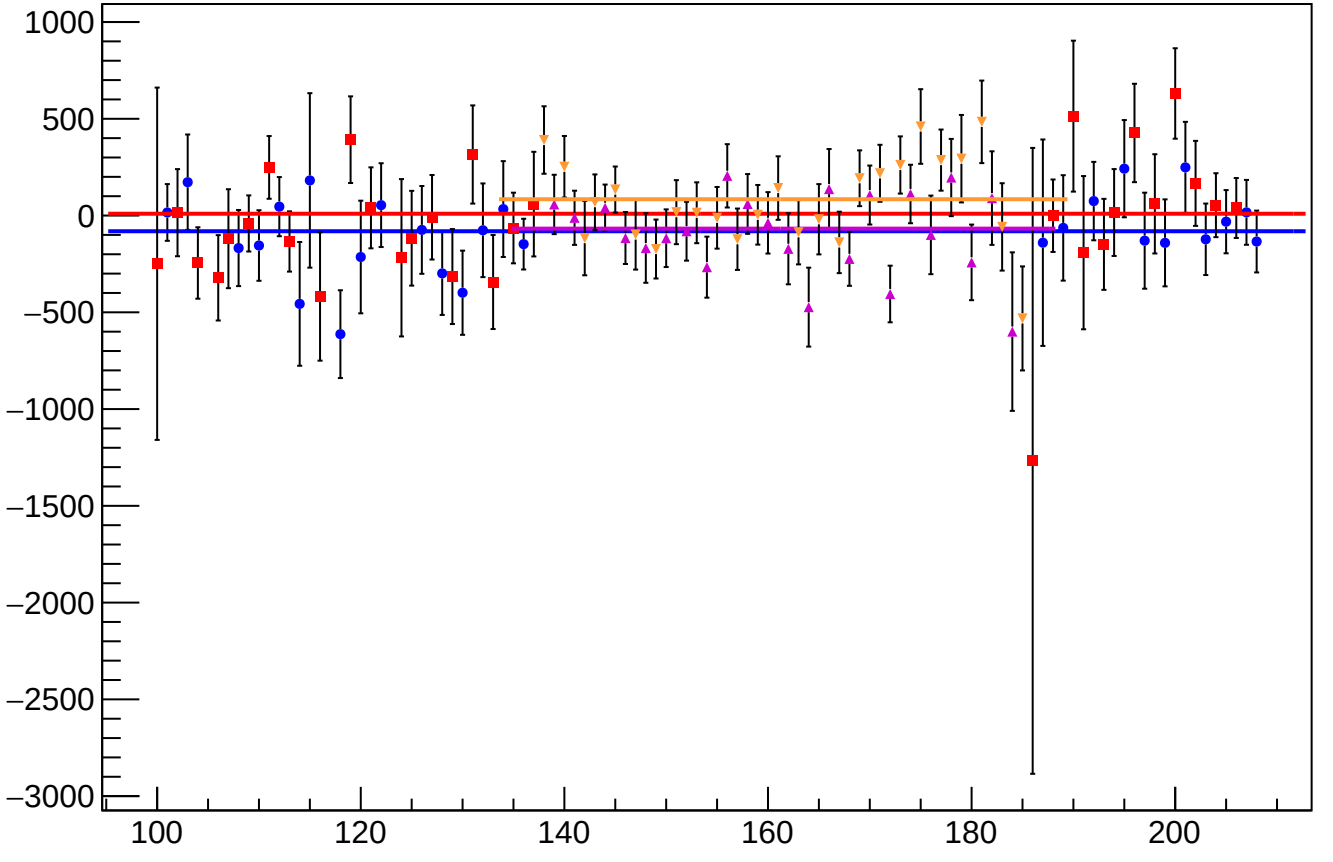
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 16827896.5/51

All: 0.000+/-0.000 χ^2/NDF: 35326167.4/105

- sign 0.000+/-0.000 χ^2/NDF: 18471554.8/53

reg_asym_sam_48_avg_mean vs Slug



Right In: -81.086+/-39.657 χ^2/NDF: 18.9/26

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 9.409+/-39.862 χ^2/NDF: 31.8/30

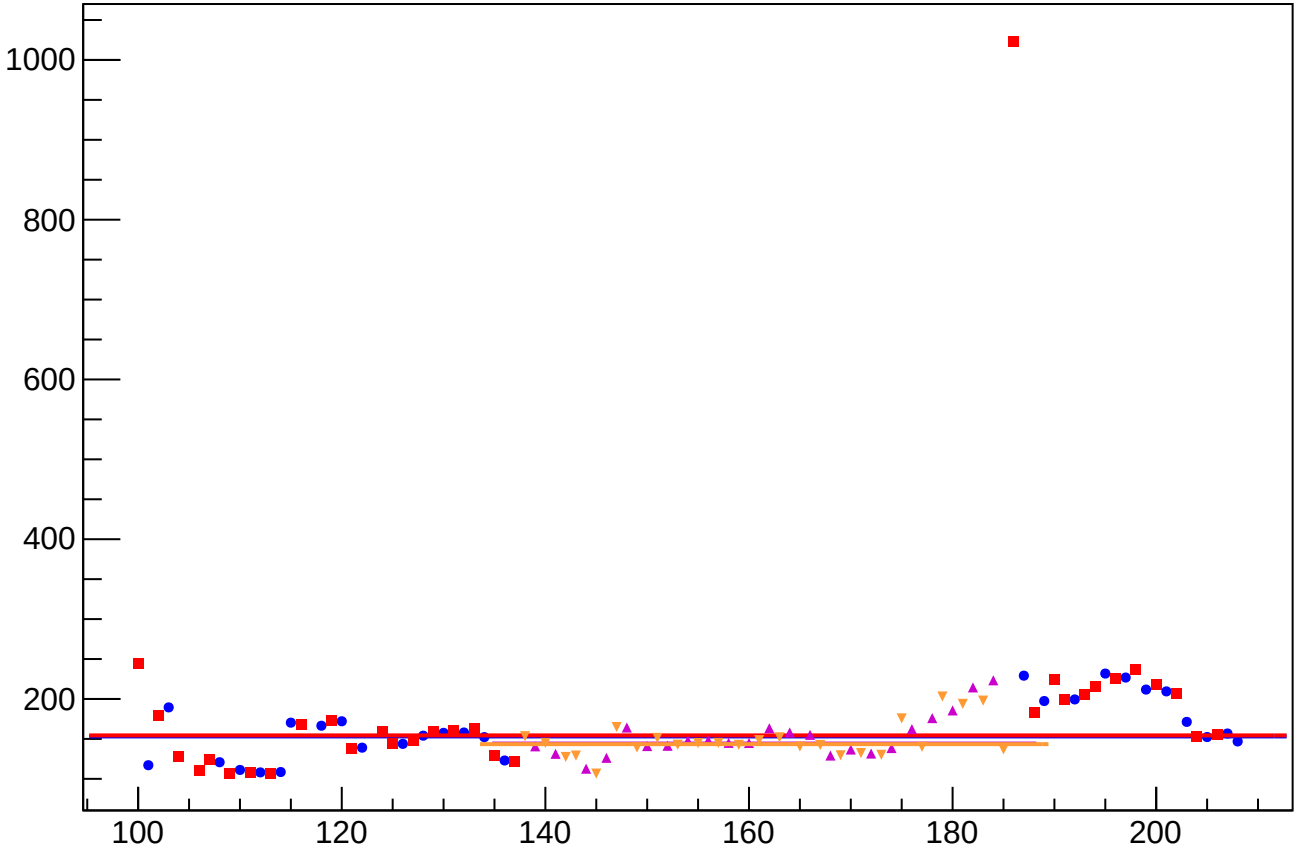
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 16.561+/-25.382 χ^2/NDF: 63.0/51

All: -8.692+/-18.138 χ^2/NDF: 125.5/105

- sign -35.045+/-25.928 χ^2/NDF: 60.5/53

reg_asym_sam_48_avg_rms vs Slug



Right In: 153.089+/-0.028 χ^2/NDF: 1519950.6/26

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.407+/-0.028 χ^2/NDF: 2442186.5/30

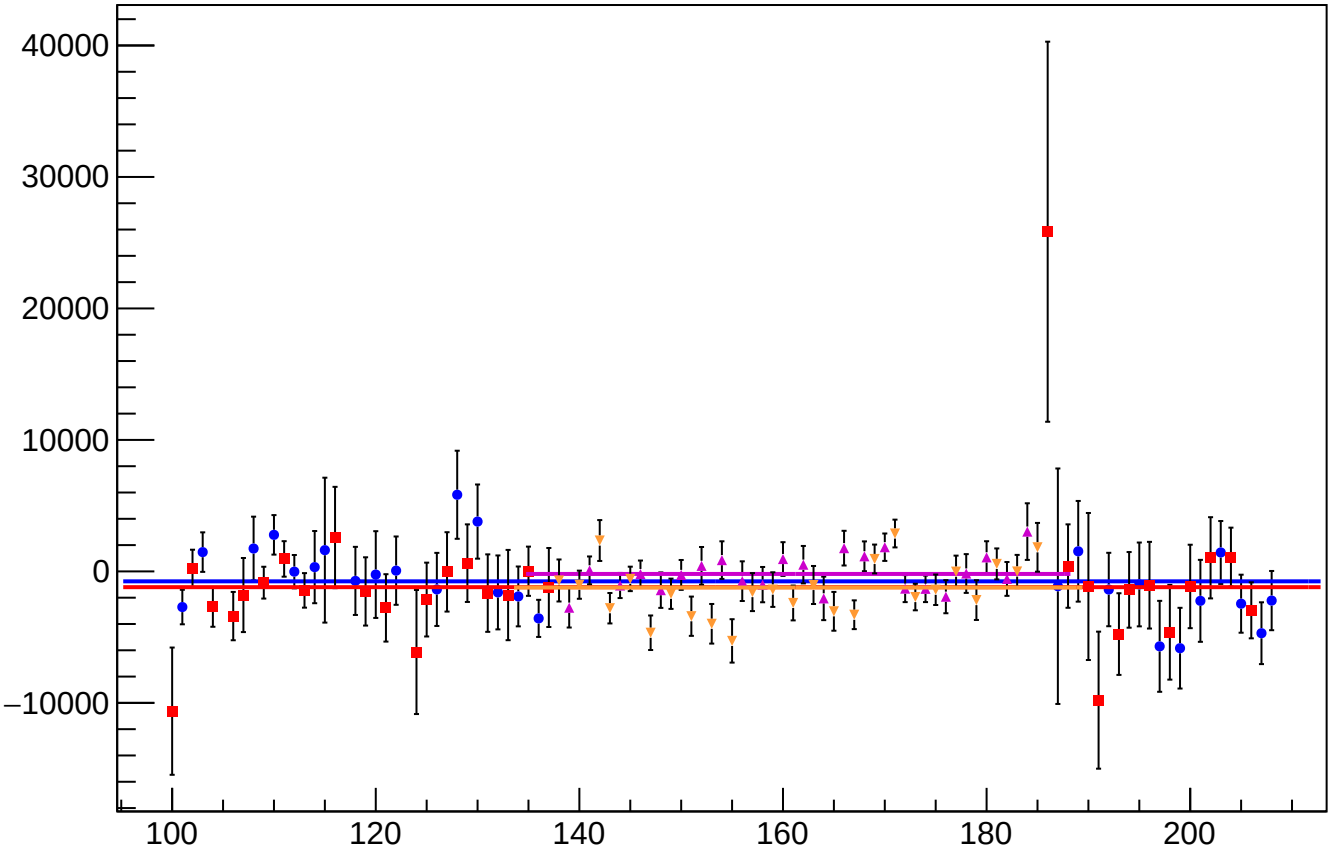
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.395+/-0.018 χ^2/NDF: 2336837.8/51

All: 147.936+/-0.013 χ^2/NDF: 5559679.4/105

- sign 148.501+/-0.018 χ^2/NDF: 3220982.3/53

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -755.738+/-432.913 χ^2/NDF: 32.7/26

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1199.042+/-417.088 χ^2/NDF: 24.4/30

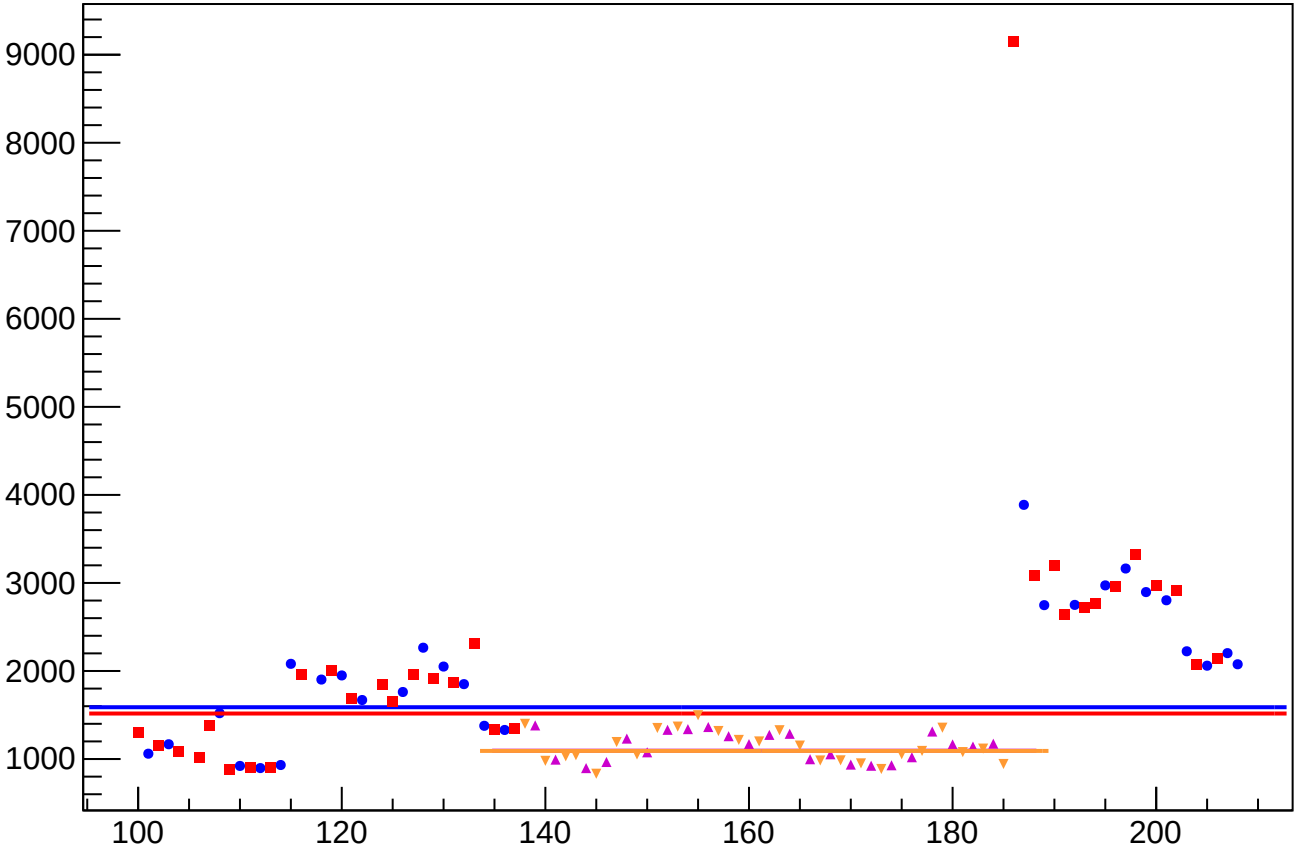
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1106.436+/-217.638 χ^2/NDF: 92.9/51

All: -793.324+/-154.715 χ^2/NDF: 148.9/105

- sign -473.435+/-219.981 χ^2/NDF: 51.9/53

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1588.354+/-0.306 χ^2/NDF: 4482963.9/26

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1516.757+/-0.295 χ^2/NDF: 6219038.6/30

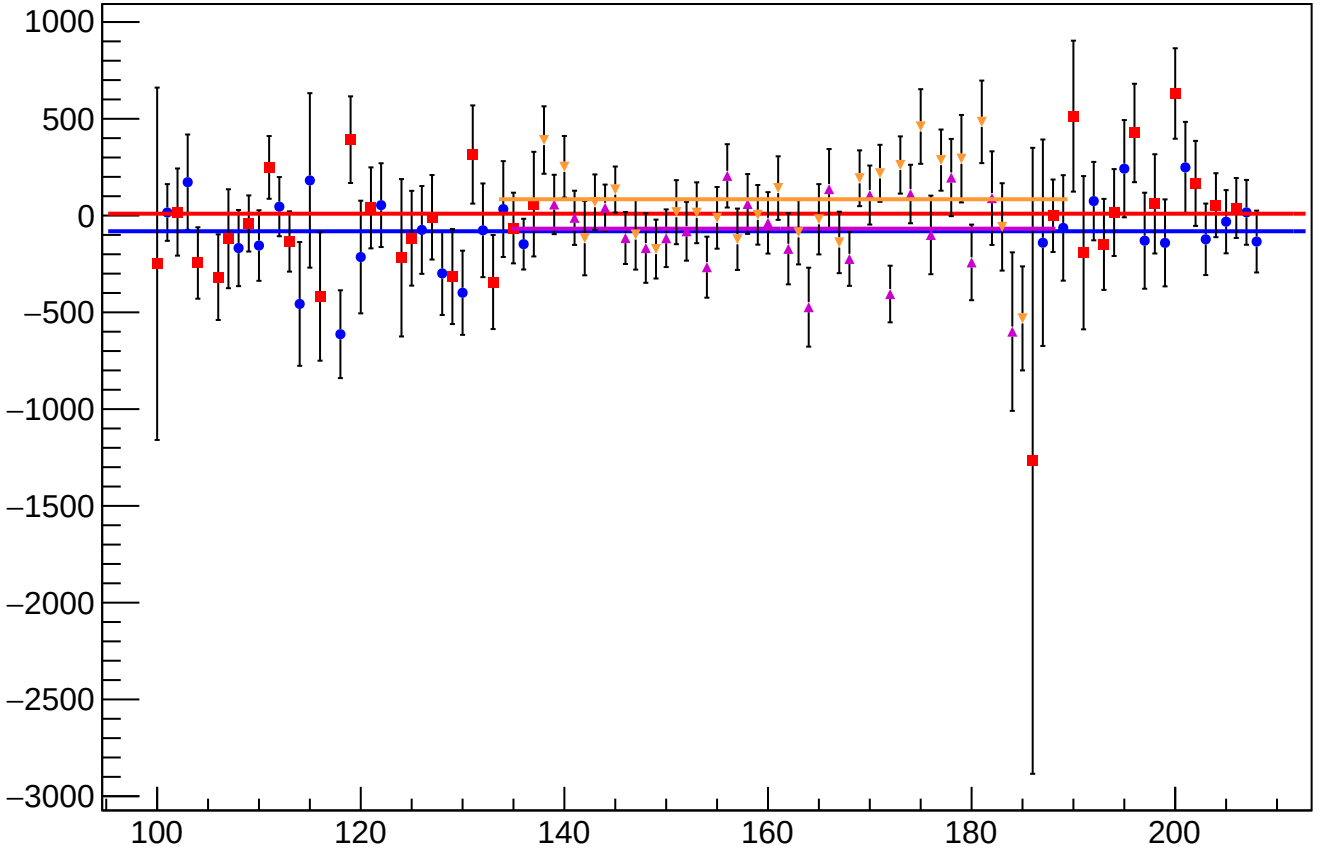
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1217.432+/-0.154 χ^2/NDF: 7340220.1/51

All: 1214.718+/-0.109 χ^2/NDF: 15772675.8/1

- sign 1211.945+/-0.156 χ^2/NDF: 8431826.8/53

cor_asym_sam_48_avg_mean vs Slug



Right In: -81.094+/-39.657 χ^2/NDF: 18.9/26

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 9.694+/-39.867 χ^2/NDF: 31.7/30

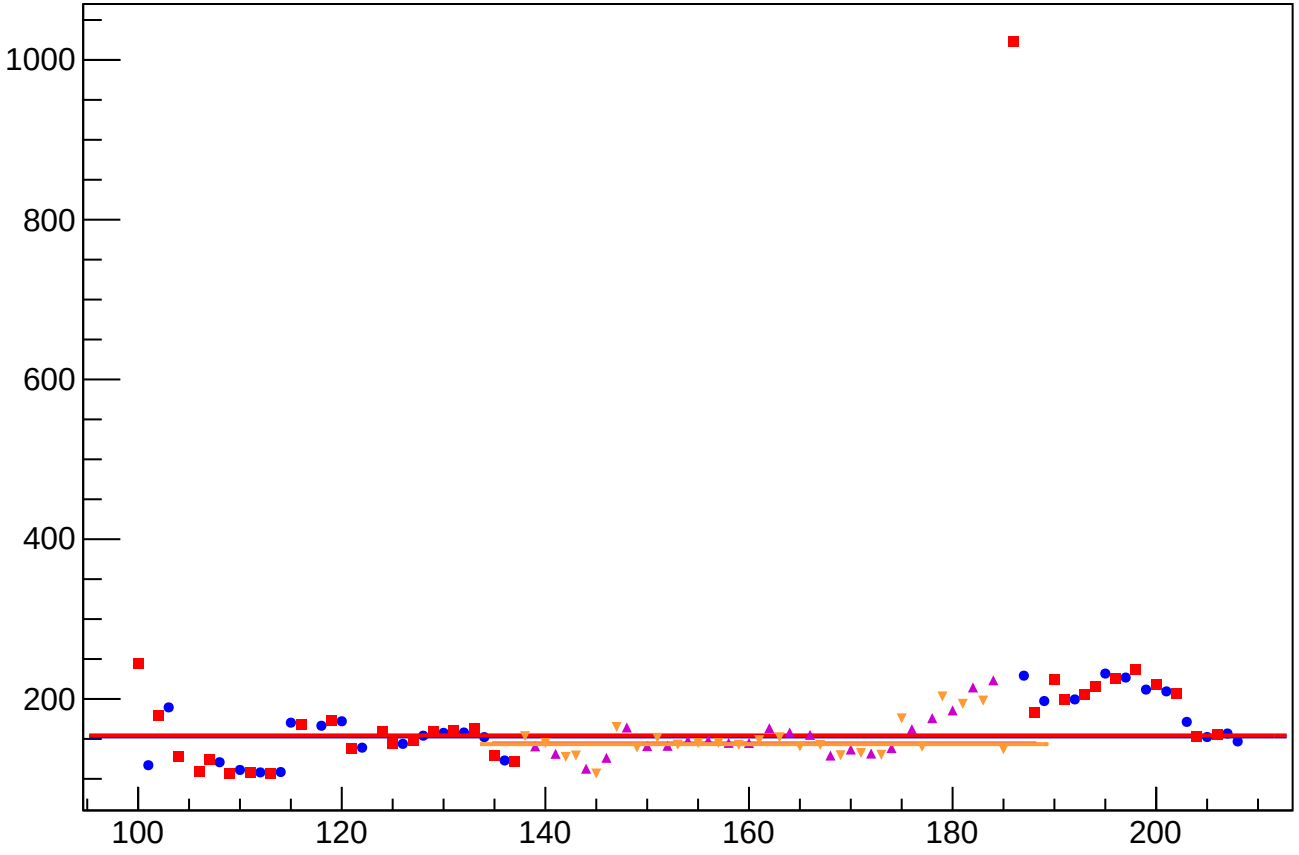
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 16.566+/-25.382 χ^2/NDF: 63.0/51

All: -8.632+/-18.138 χ^2/NDF: 125.4/105

- sign -34.929+/-25.930 χ^2/NDF: 60.4/53

cor_asym_sam_48_avg_rms vs Slug



Right In: 153.089+/-0.028 χ^2/NDF: 1519952.9/26

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.365+/-0.028 χ^2/NDF: 2447672.6/30

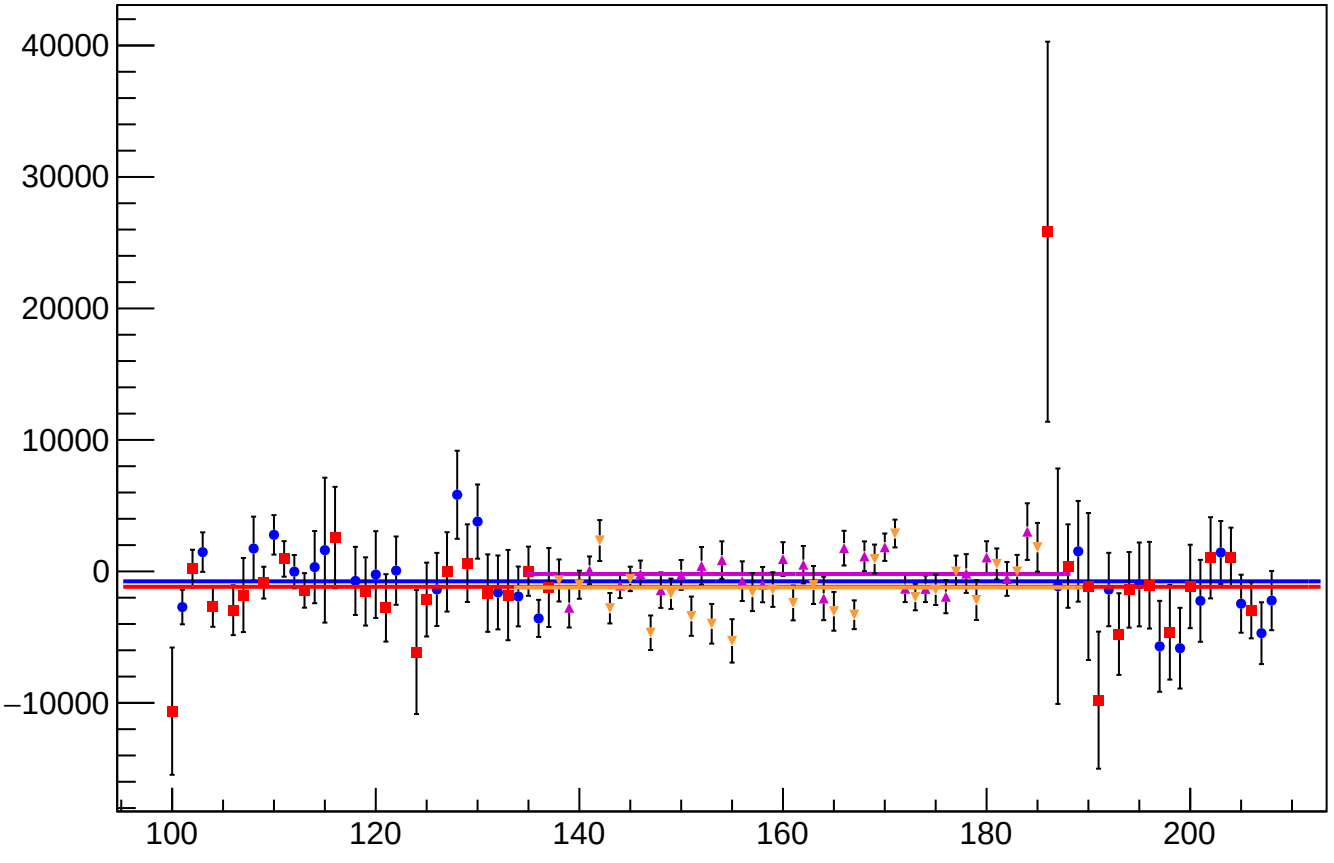
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.395+/-0.018 χ^2/NDF: 2336840.4/51

All: 147.927+/-0.013 χ^2/NDF: 5564487.2/105

- sign 148.483+/-0.018 χ^2/NDF: 3225847.5/53

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -755.796+/-432.916 χ^2/NDF: 32.7/26

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1171.307+/-417.740 χ^2/NDF: 23.8/30

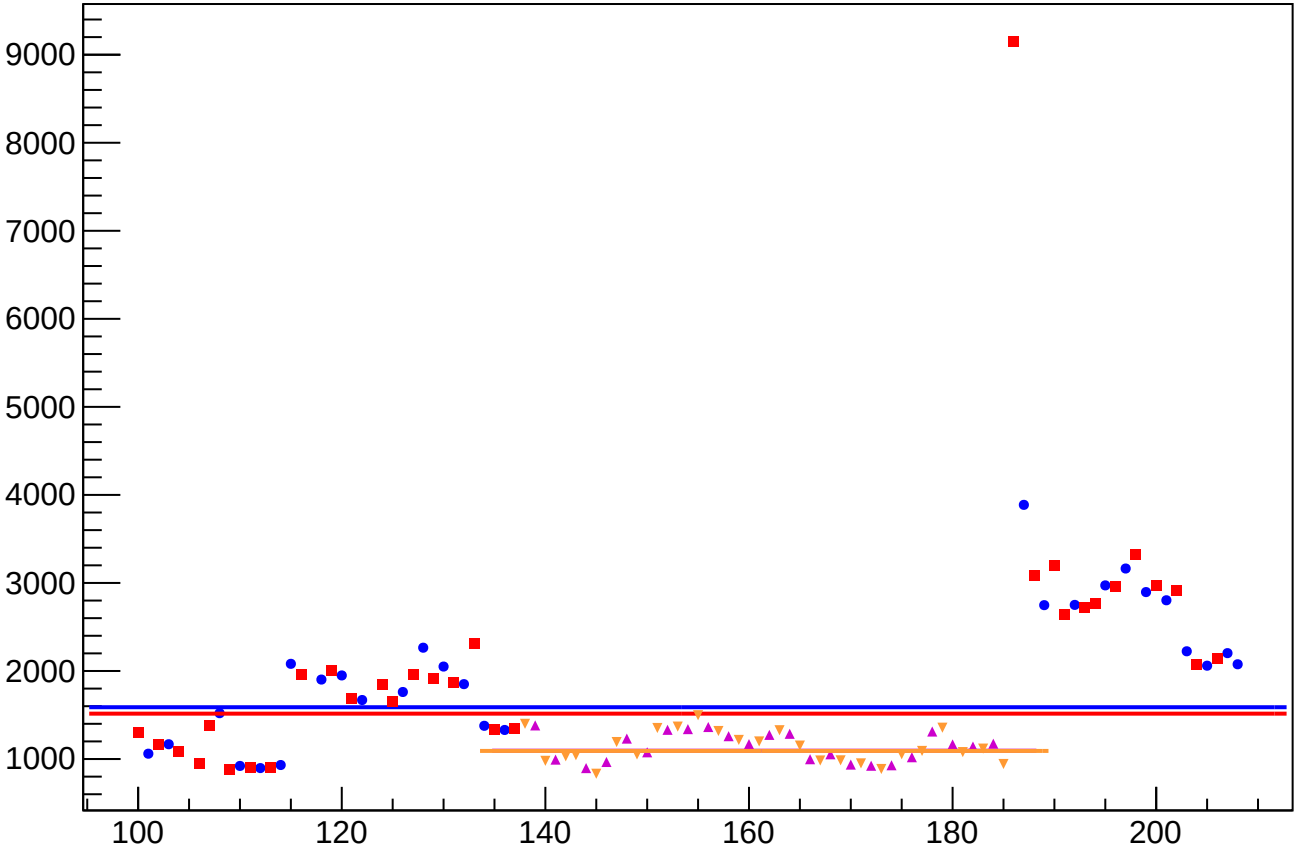
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1106.439+/-217.639 χ^2/NDF: 92.9/51

All: -789.346+/-154.748 χ^2/NDF: 148.2/105

- sign -465.109+/-220.076 χ^2/NDF: 51.1/53

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1588.369+/-0.306 χ^2/NDF: 4482860.2/26

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1515.354+/-0.295 χ^2/NDF: 6246397.4/30

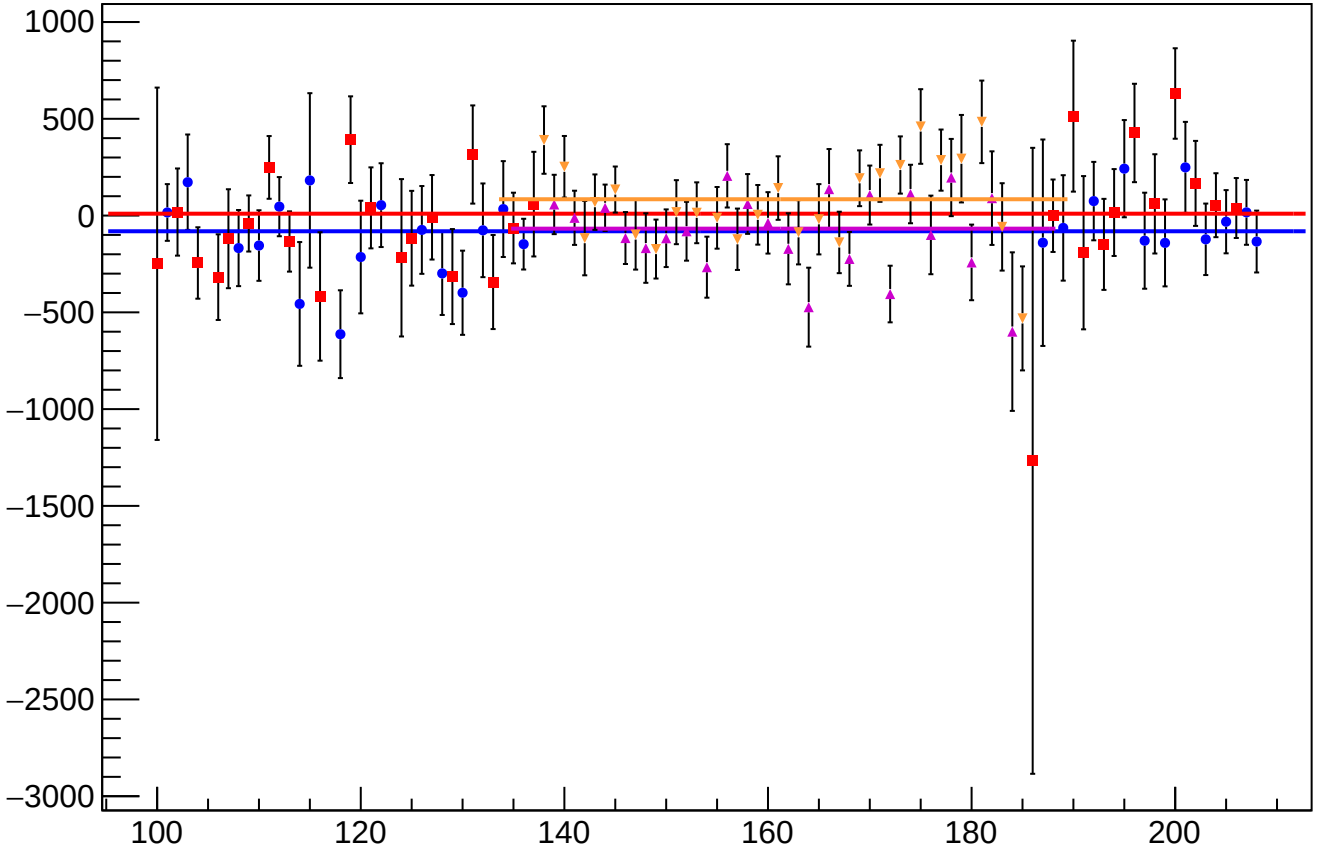
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1217.434+/-0.154 χ^2/NDF: 7340210.2/51

All: 1214.397+/-0.109 χ^2/NDF: 15787052.8/1

- sign 1211.291+/-0.156 χ^2/NDF: 8446054.6/53

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -81.094+/-39.657 χ^2/NDF: 18.9/26

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 9.694+/-39.867 χ^2/NDF: 31.7/30

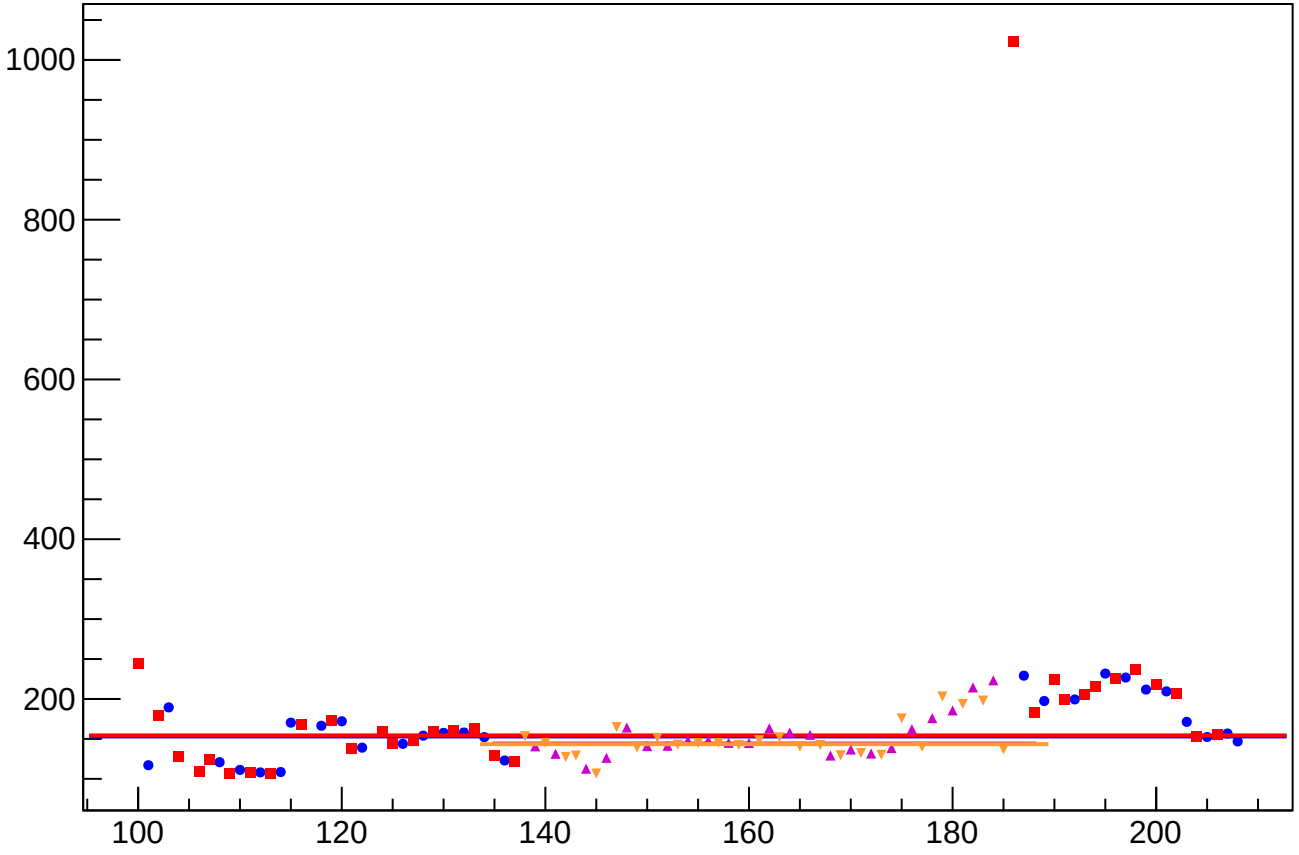
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 16.566+/-25.382 χ^2/NDF: 63.0/51

All: -8.632+/-18.138 χ^2/NDF: 125.4/105

- sign -34.929+/-25.930 χ^2/NDF: 60.4/53

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 153.089+/-0.028 χ^2/NDF: 1519952.9/26

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

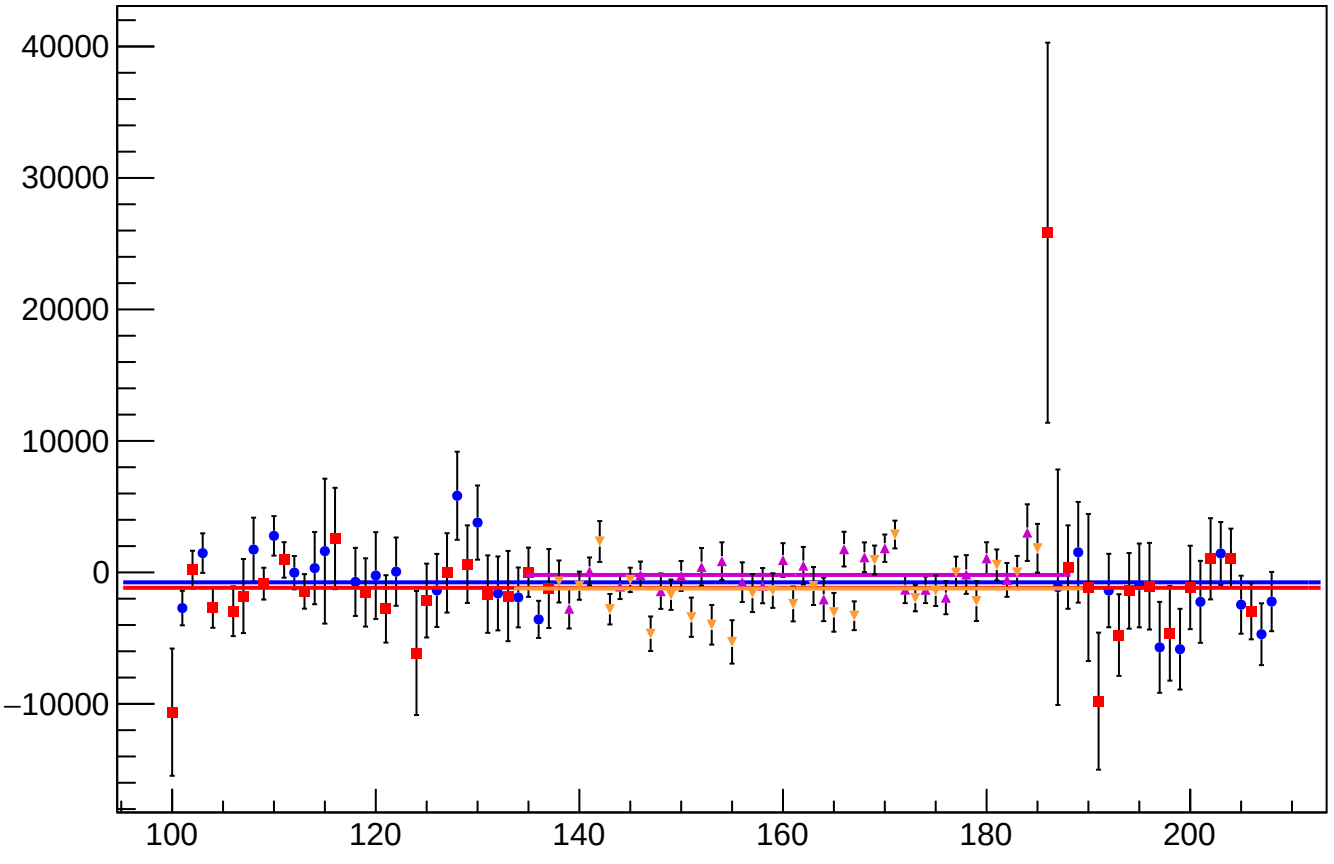
Right Out: 154.365+/-0.028 χ^2/NDF: 2447672.6/30

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.395+/-0.018 χ^2/NDF: 2336840.4/51

All: 147.927+/-0.013 χ^2/NDF: 5564487.2/105

- sign 148.483+/-0.018 χ^2/NDF: 3225847.5/53



Right In: -755.796+/-432.916 χ^2/NDF: 32.7/26

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

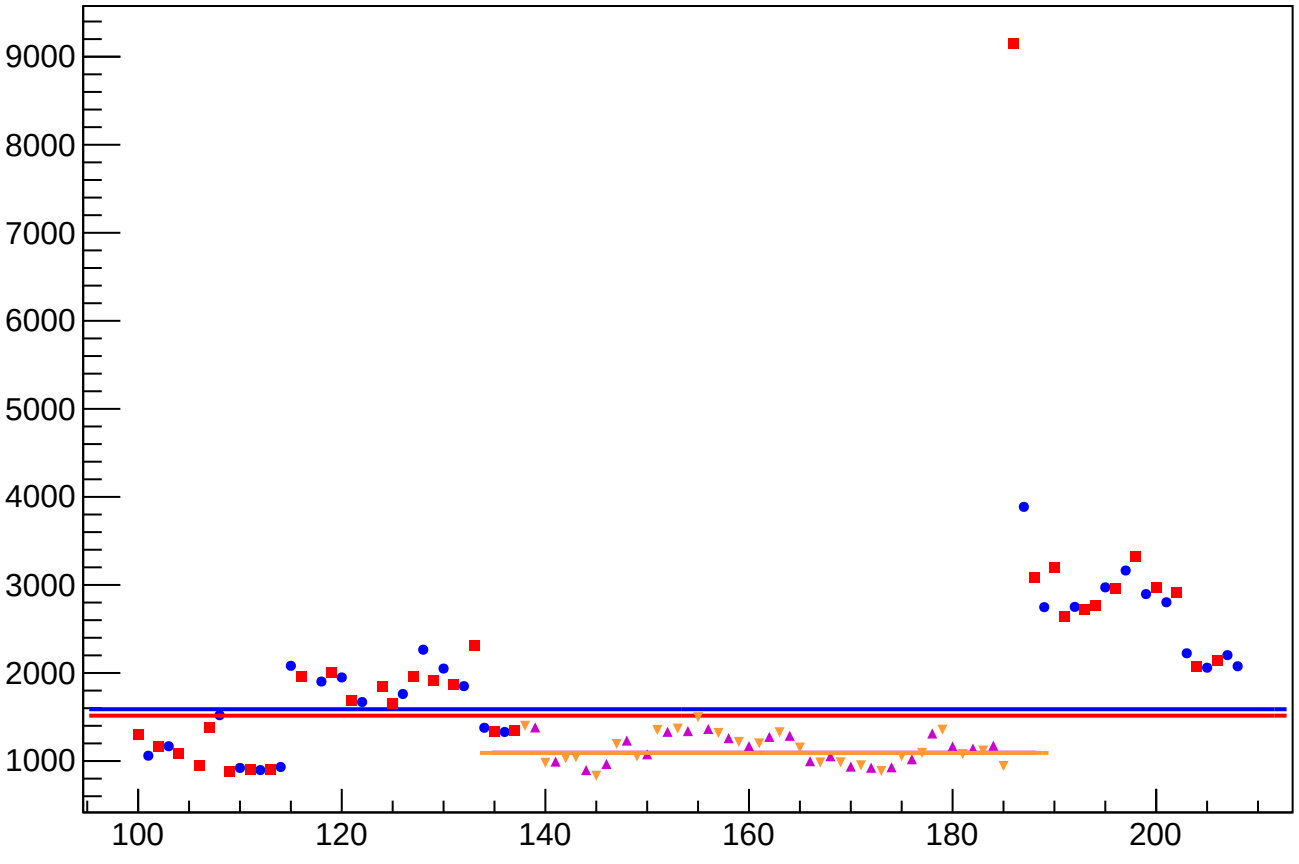
Right Out: -1171.307+/-417.740 χ^2/NDF: 23.8/30

Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1106.439+/-217.639 χ^2/NDF: 92.9/51

All: -789.346+/-154.748 χ^2/NDF: 148.2/105

- sign -465.109+/-220.076 χ^2/NDF: 51.1/53



Right In: 1588.369+/-0.306 χ^2/NDF: 4482860.2/26

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1515.354+/-0.295 χ^2/NDF: 6246397.4/30

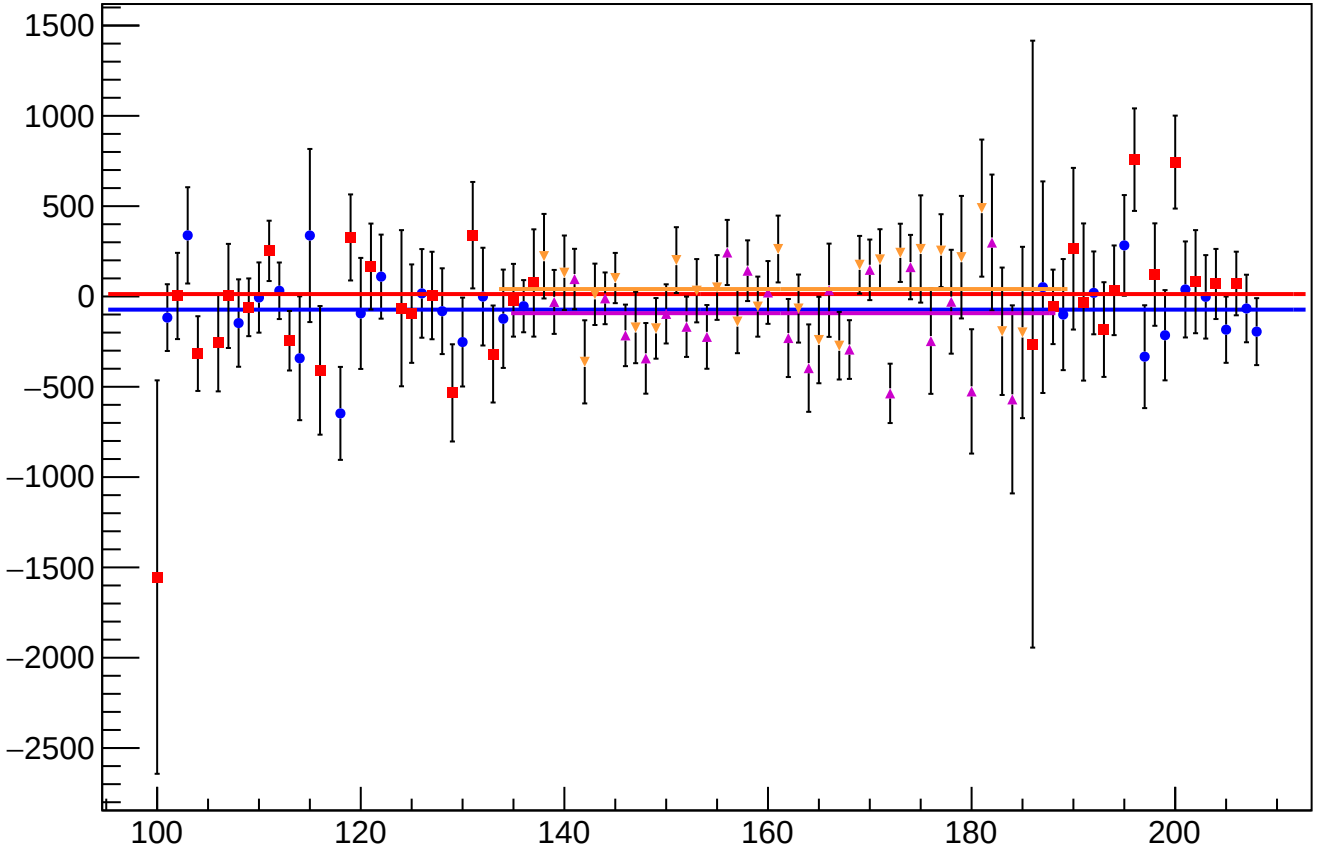
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1217.434+/-0.154 χ^2/NDF: 7340210.2/51

All: 1214.397+/-0.109 χ^2/NDF: 15787052.8/1

- sign 1211.291+/-0.156 χ^2/NDF: 8446054.6/53

dit_asym_sam_48_avg_mean vs Slug



Right In: -72.865+/-44.513 χ^2/NDF: 14.9/26

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 13.300+/-44.296 χ^2/NDF: 37.4/30

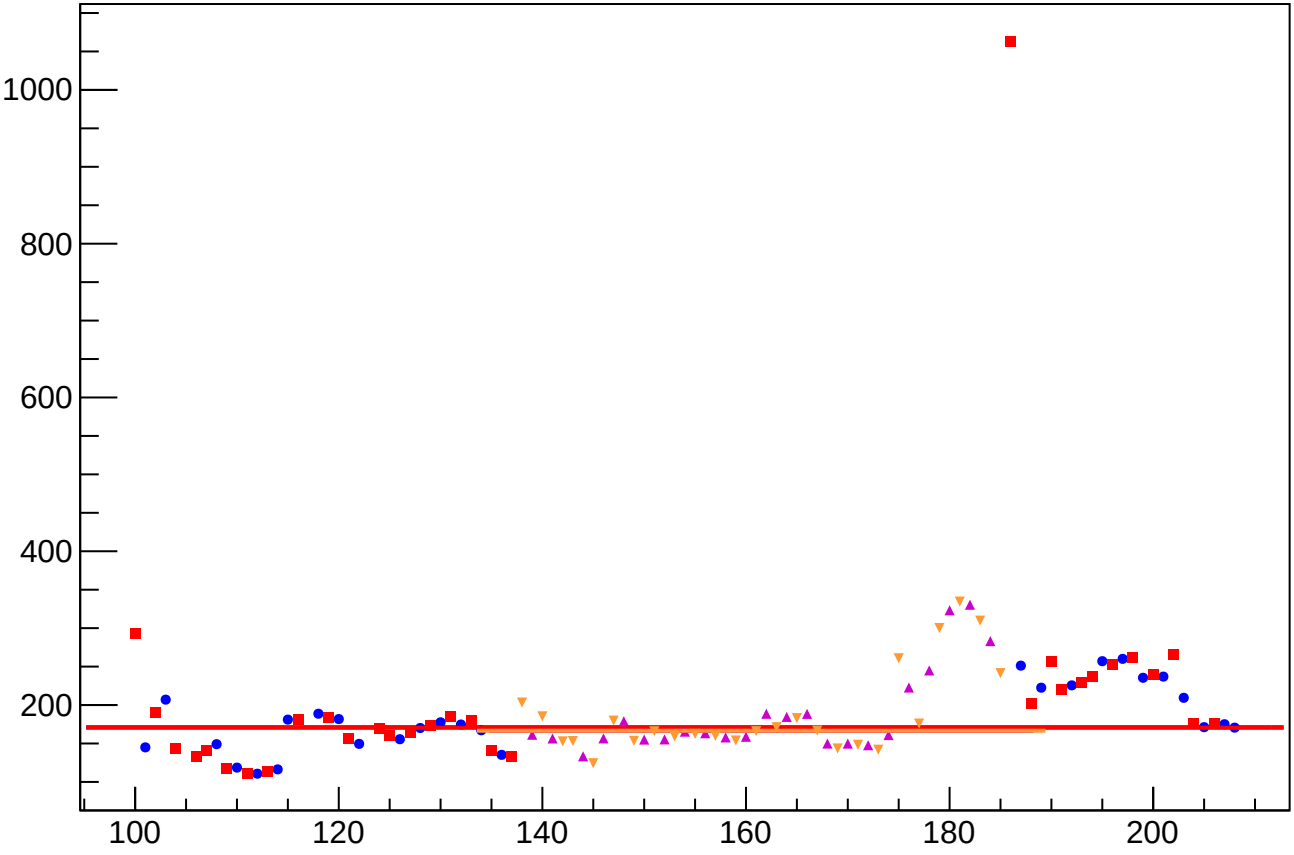
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -8.654+/-29.409 χ^2/NDF: 40.9/51

All: -26.512+/-20.916 χ^2/NDF: 111.7/105

- sign -44.793+/-29.755 χ^2/NDF: 70.0/53

dit_asym_sam_48_avg_rms vs Slug



Right In: 171.053+/-0.031 χ^2/NDF: 1654340.5/26

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 170.505+/-0.031 χ^2/NDF: 2646678.3/30

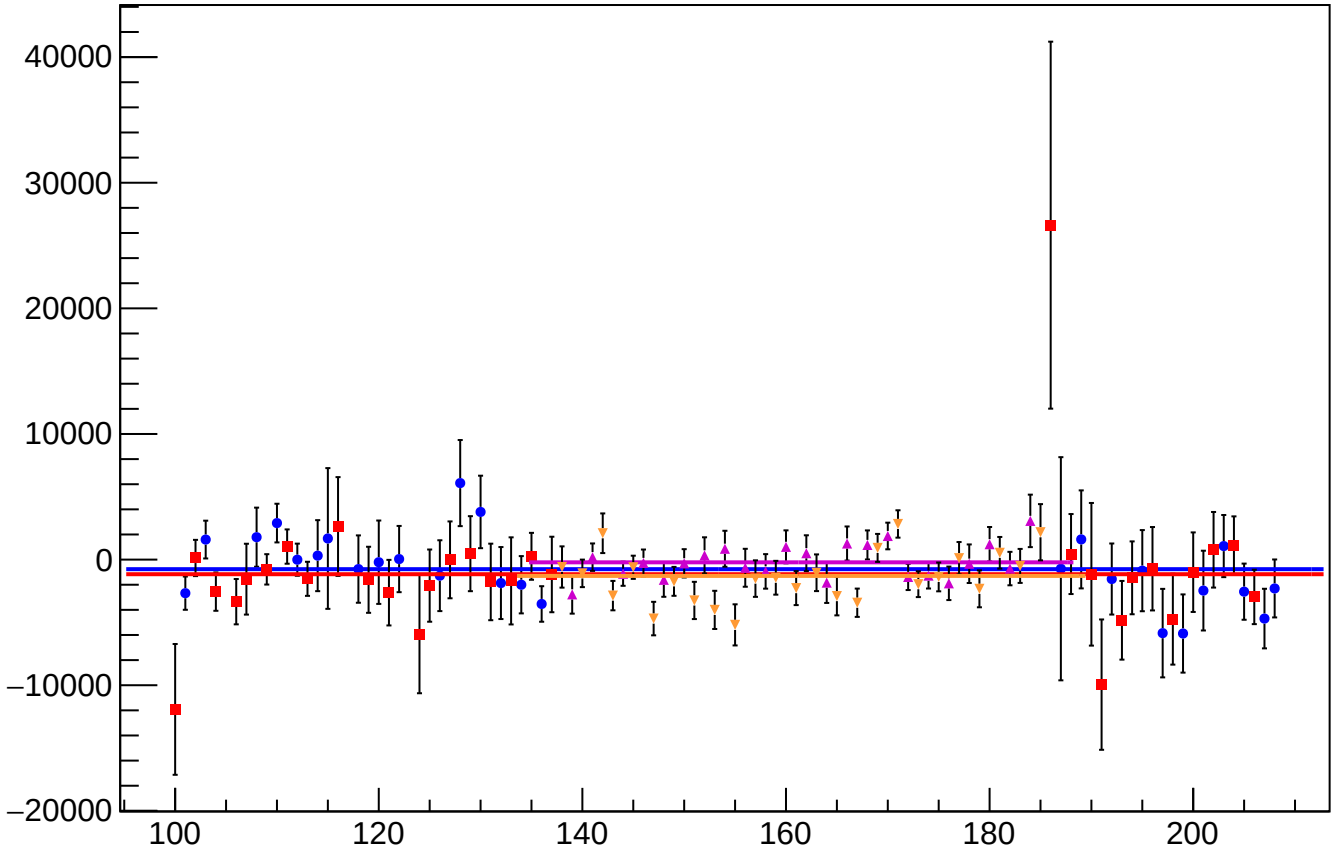
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 168.543+/-0.021 χ^2/NDF: 3385459.9/51

All: 168.374+/-0.015 χ^2/NDF: 7434592.0/105

- sign 168.202+/-0.021 χ^2/NDF: 4048999.4/53

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -761.101+/-437.934 χ^2/NDF: 32.9/26

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1162.567+/-420.839 χ^2/NDF: 24.9/30

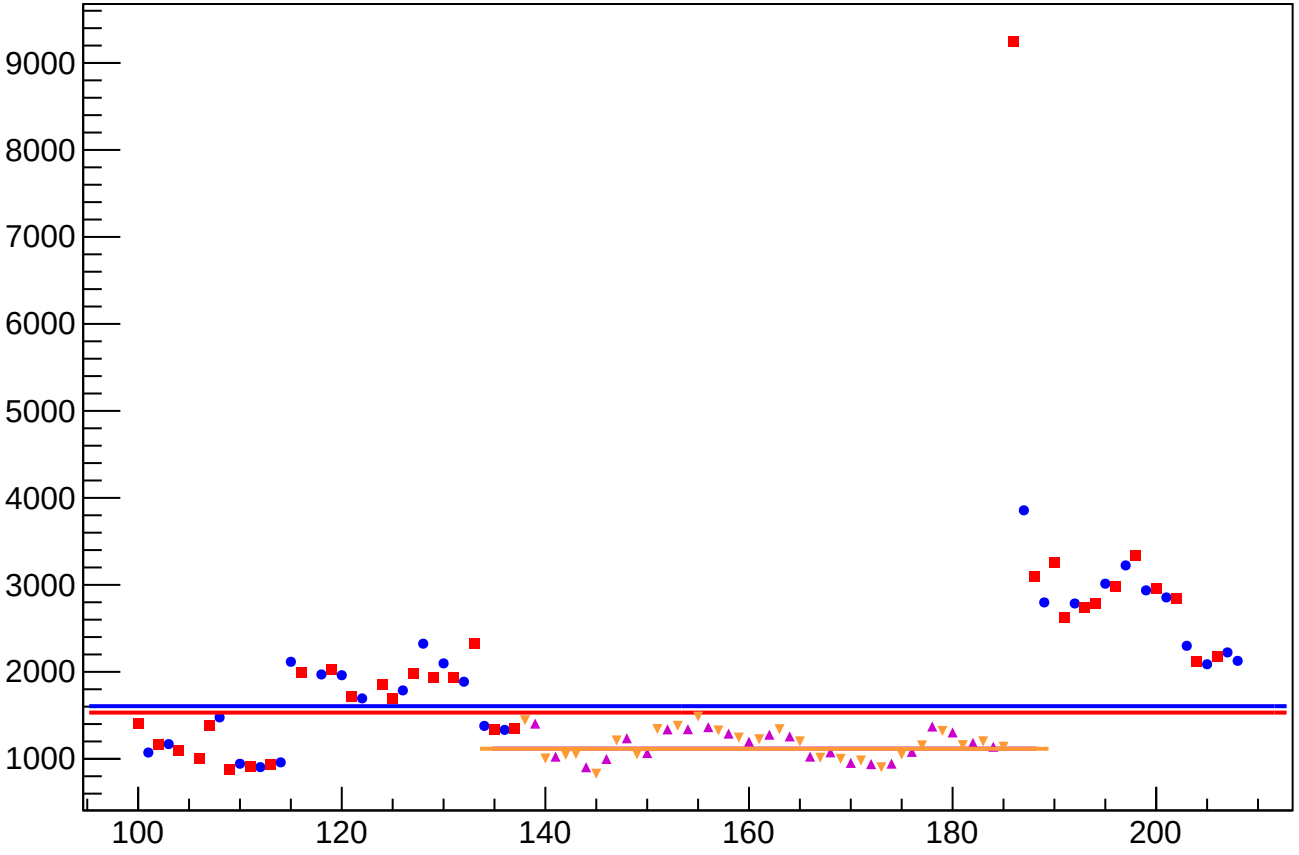
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1160.742+/-221.627 χ^2/NDF: 89.1/51

All: -826.177+/-157.502 χ^2/NDF: 144.5/105

- sign -484.793+/-223.874 χ^2/NDF: 50.8/53

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1605.521+/-0.310 χ^2/NDF: 4549142.0/26

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1531.583+/-0.298 χ^2/NDF: 6198825.0/30

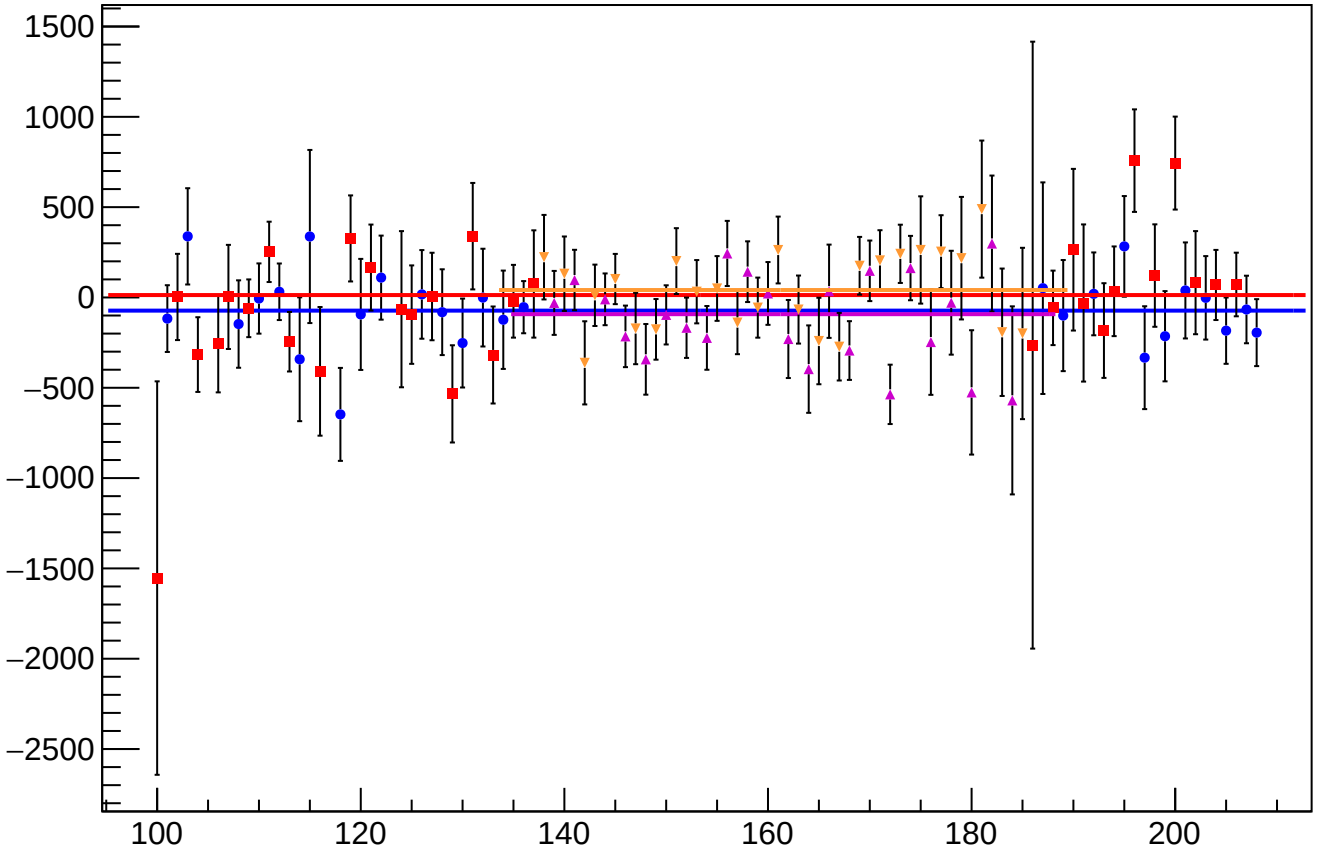
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1241.397+/-0.157 χ^2/NDF: 7275315.3/51

All: 1238.191+/-0.111 χ^2/NDF: 15590496.8/1

- sign 1234.920+/-0.158 χ^2/NDF: 8314336.1/53

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -72.863+/-44.512 χ^2/NDF: 14.9/26

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 13.300+/-44.296 χ^2/NDF: 37.4/30

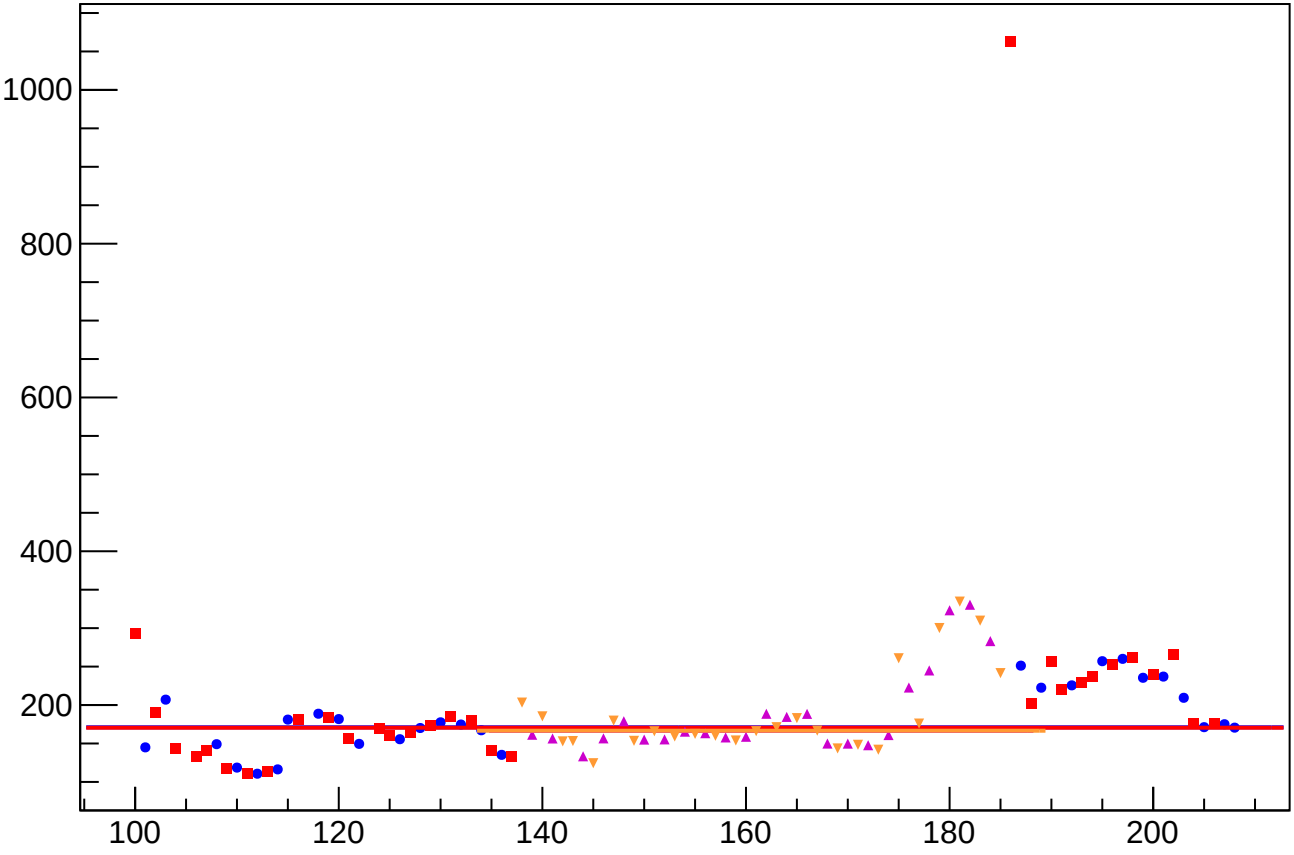
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -8.652+/-29.409 χ^2/NDF: 40.9/51

All: -26.511+/-20.916 χ^2/NDF: 111.7/105

- sign -44.793+/-29.755 χ^2/NDF: 70.0/53

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 171.052+/-0.031 χ^2/NDF: 1654328.5/26

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

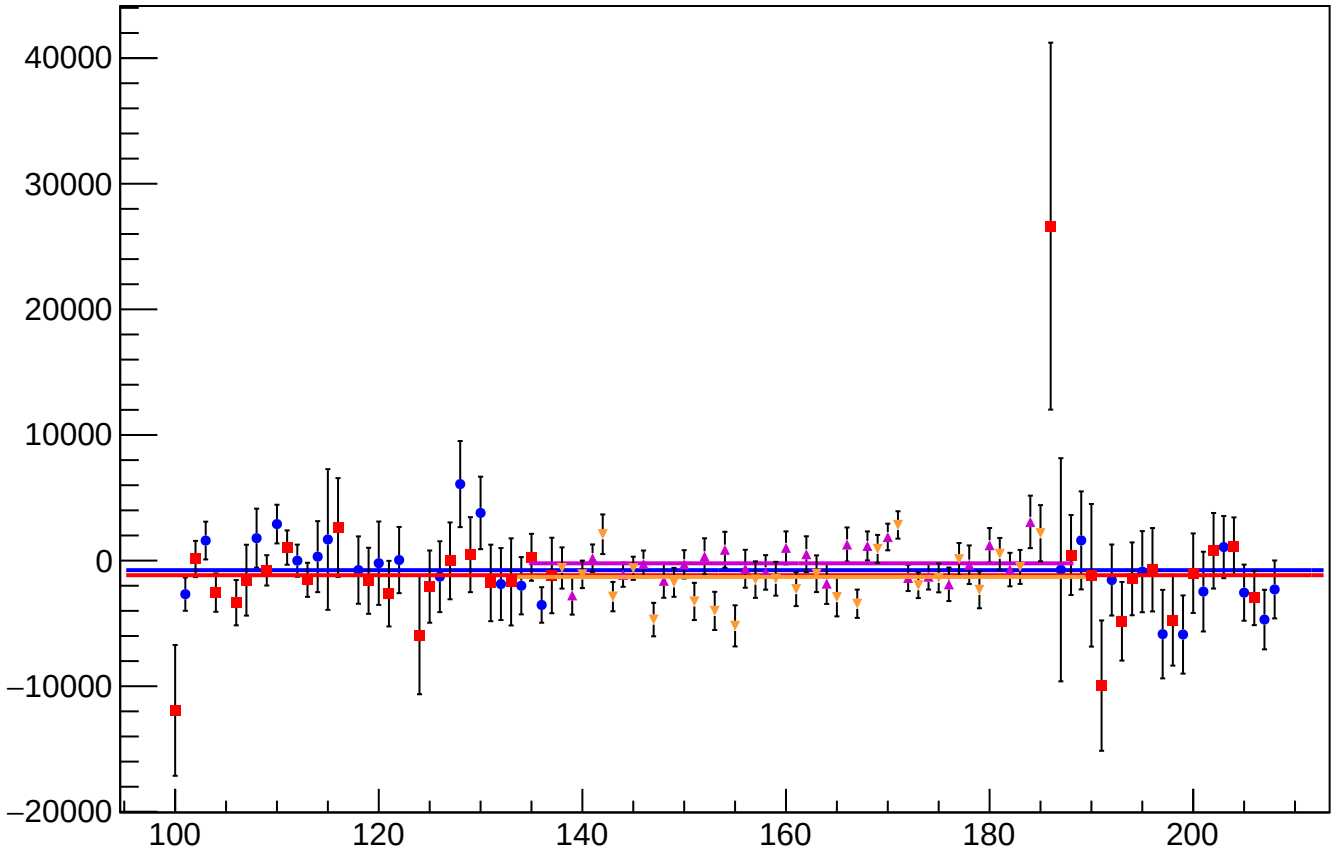
Right Out: 170.505+/-0.031 χ^2/NDF: 2646685.2/30

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 168.543+/-0.021 χ^2/NDF: 3385440.1/51

All: 168.374+/-0.015 χ^2/NDF: 7434557.6/105

- sign 168.202+/-0.021 χ^2/NDF: 4048984.8/53



Right In: -761.099+/-437.933 χ^2/NDF: 32.9/26

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: -1162.566+/-420.839 χ^2/NDF: 24.9/30

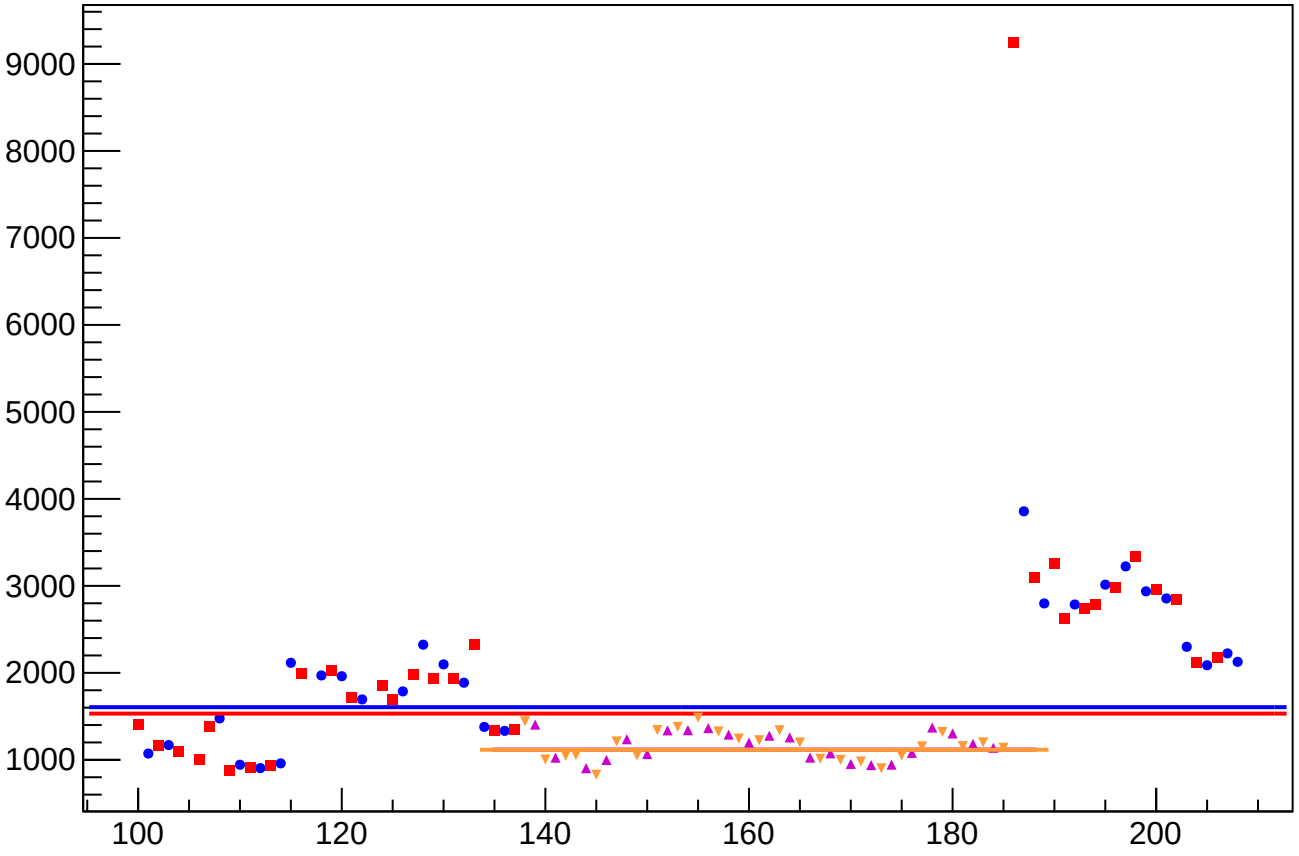
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1160.740+/-221.626 χ^2/NDF: 89.1/51

All: -826.175+/-157.502 χ^2/NDF: 144.5/105

- sign -484.791+/-223.874 χ^2/NDF: 50.8/53

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1605.520+/-0.310 χ^2/NDF: 4549144.8/26

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1531.582+/-0.298 χ^2/NDF: 6198823.9/30

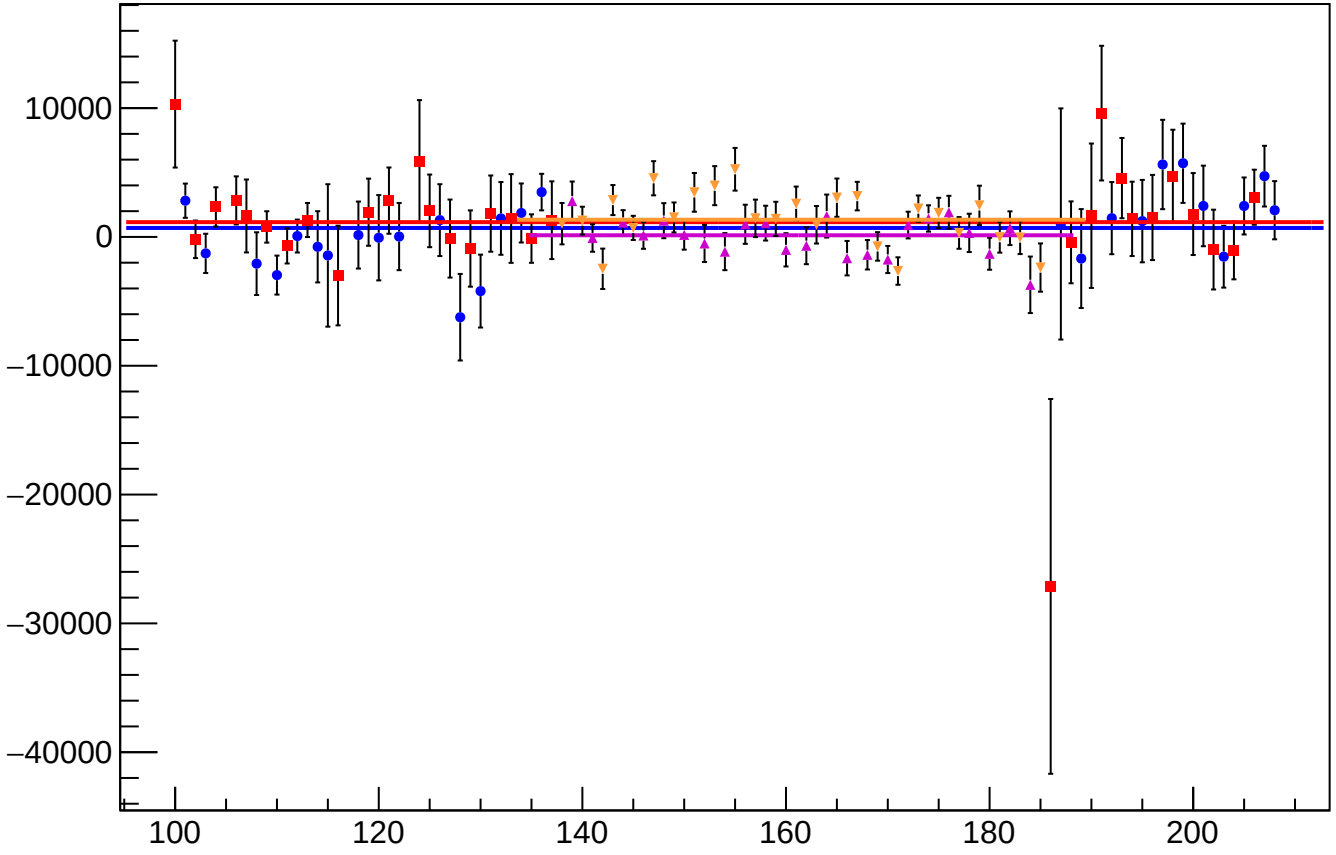
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1241.394+/-0.157 χ^2/NDF: 7275326.7/51

All: 1238.189+/-0.111 χ^2/NDF: 15590511.3/1

- sign 1234.918+/-0.158 χ^2/NDF: 8314339.3/53

asym_sam_48_avg_mean vs Slug



Right In: 696.937+/-435.616 χ^2/NDF: 33.9/26

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 1147.233+/-419.875 χ^2/NDF: 22.8/30

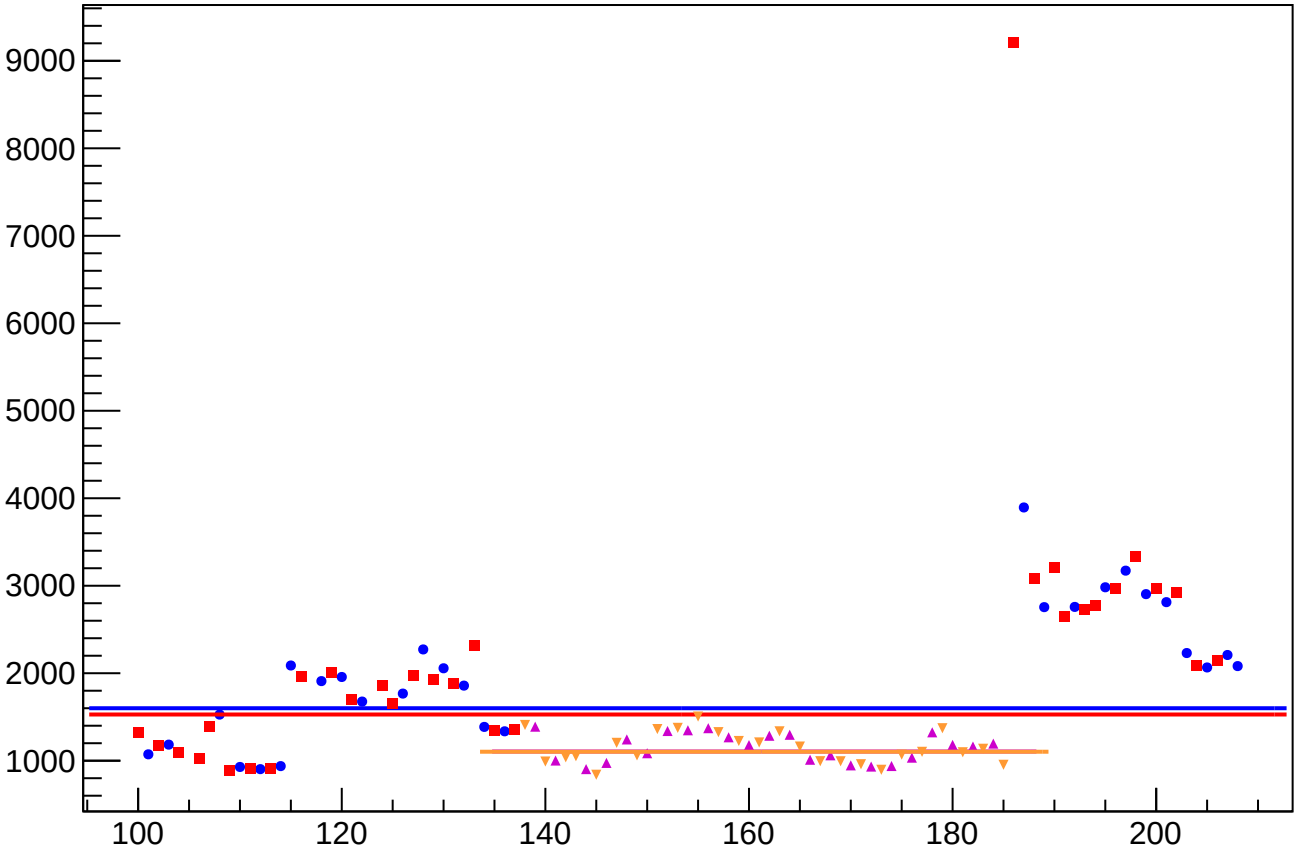
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1172.710+/-219.544 χ^2/NDF: 91.1/51

All: 796.934+/-156.074 χ^2/NDF: 148.1/105

- sign 412.987+/-221.918 χ^2/NDF: 51.0/53

asym_sam_48_avg_rms vs Slug



Right In: 1599.885+/-0.308 χ^2/NDF: 4428269.7/26

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

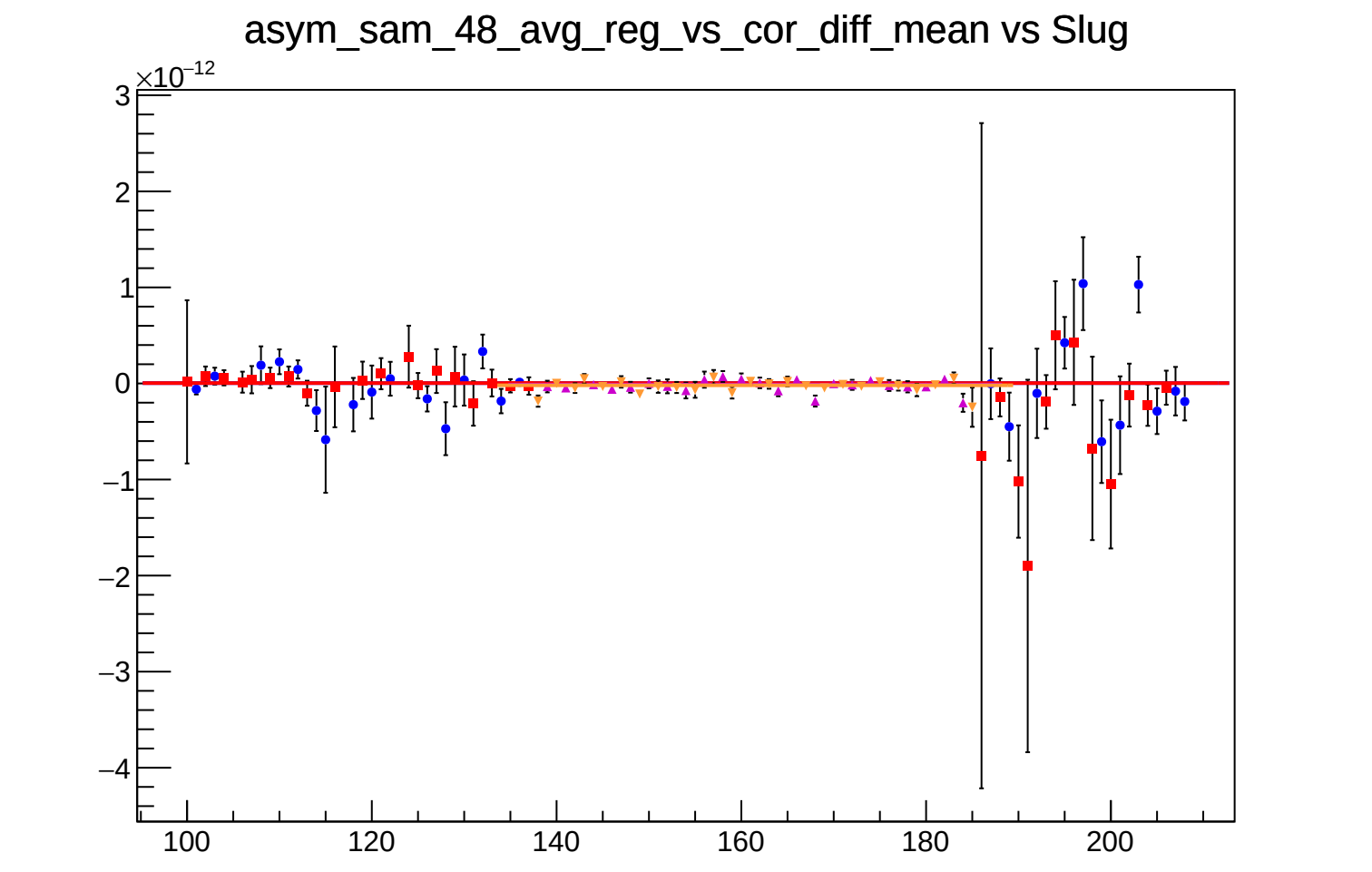
Right Out: 1528.273+/-0.297 χ^2/NDF: 6162516.9/30

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1228.986+/-0.155 χ^2/NDF: 7252289.4/51

All: 1226.216+/-0.110 χ^2/NDF: 15602097.6/1

- sign 1223.385+/-0.157 χ^2/NDF: 8349164.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 48.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

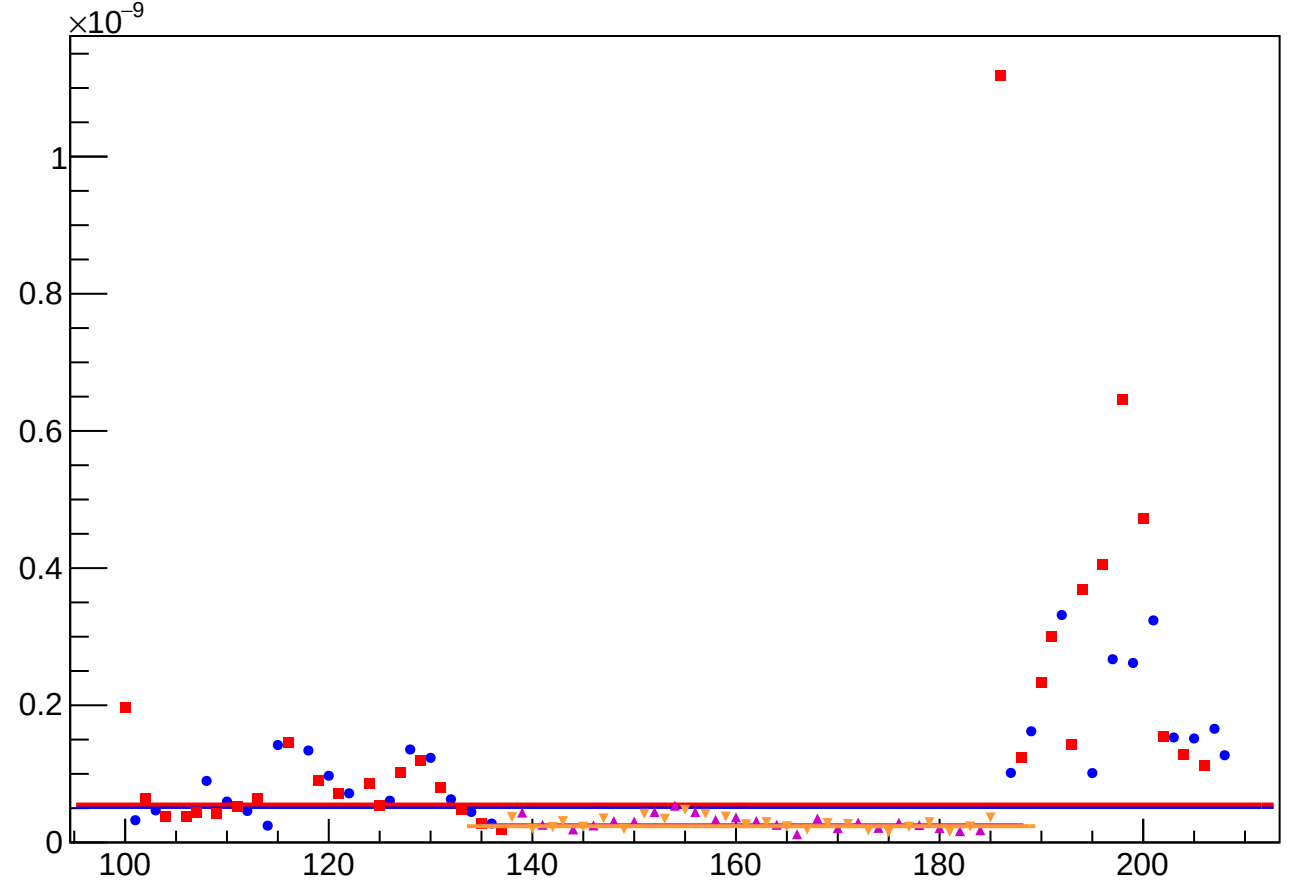
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/30

Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.9/51

All: -0.000+/-0.000 χ^2/NDF: 119.2/105

- sign -0.000+/-0.000 χ^2/NDF: 43.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 5349774.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5519064.8/30

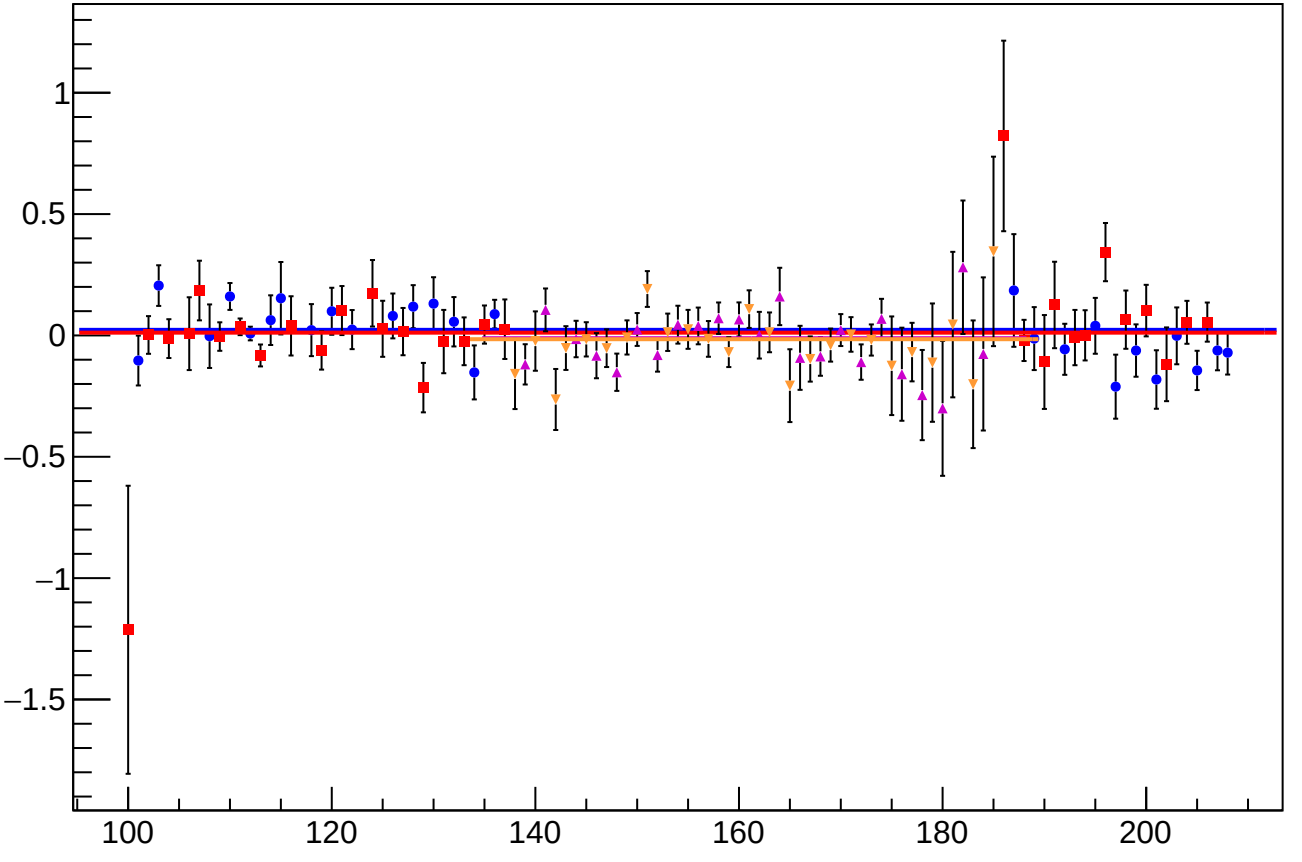
Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8896430.8/51

All: 0.000+/-0.000 χ^2/NDF: 18120545.5/105

- sign 0.000+/-0.000 χ^2/NDF: 9185605.1/53

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.016 χ^2/NDF: 34.9/26

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.011+/-0.016 χ^2/NDF: 34.8/30

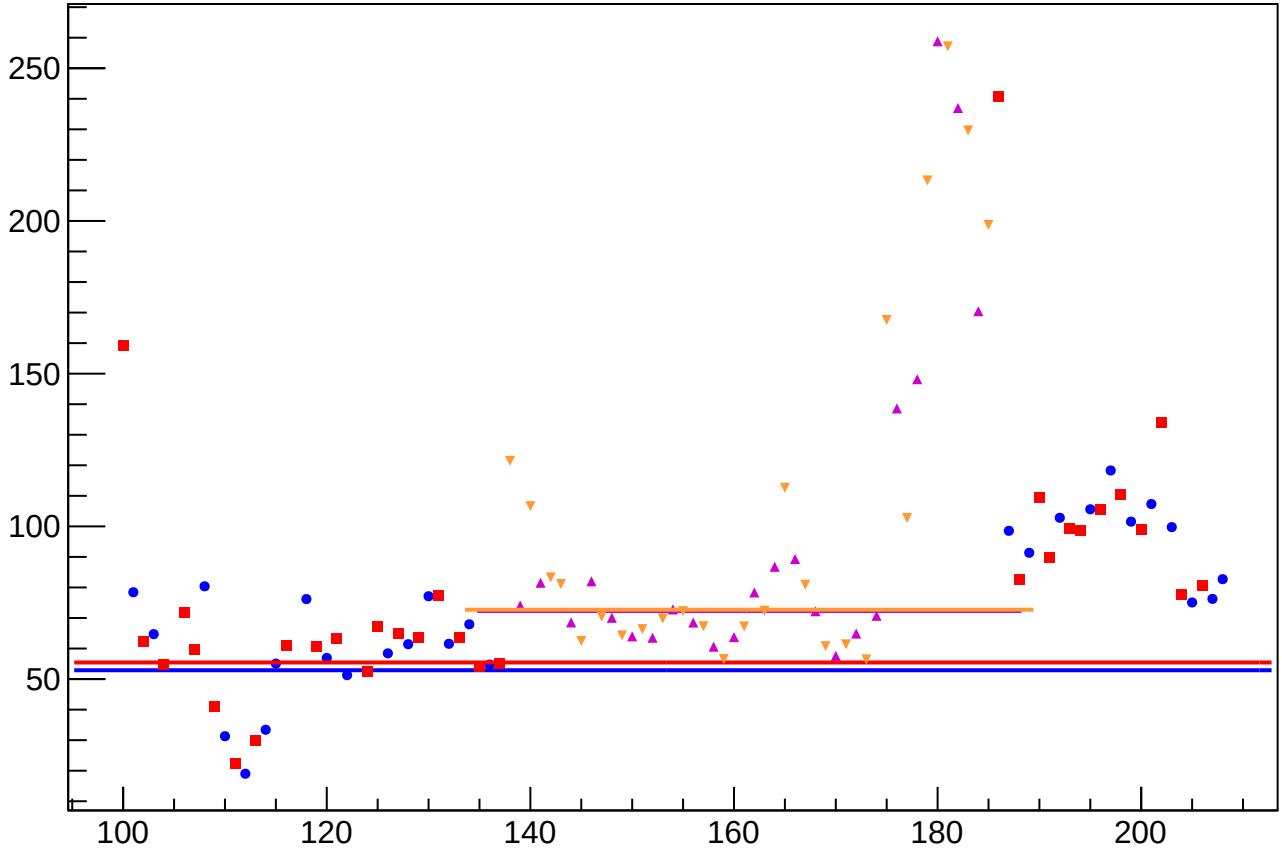
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.006+/-0.012 χ^2/NDF: 59.2/51

All: 0.004+/-0.008 χ^2/NDF: 118.4/105

- sign 0.002+/-0.012 χ^2/NDF: 59.1/53

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.896+/-0.011 χ^2/NDF: 7085722.8/26

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

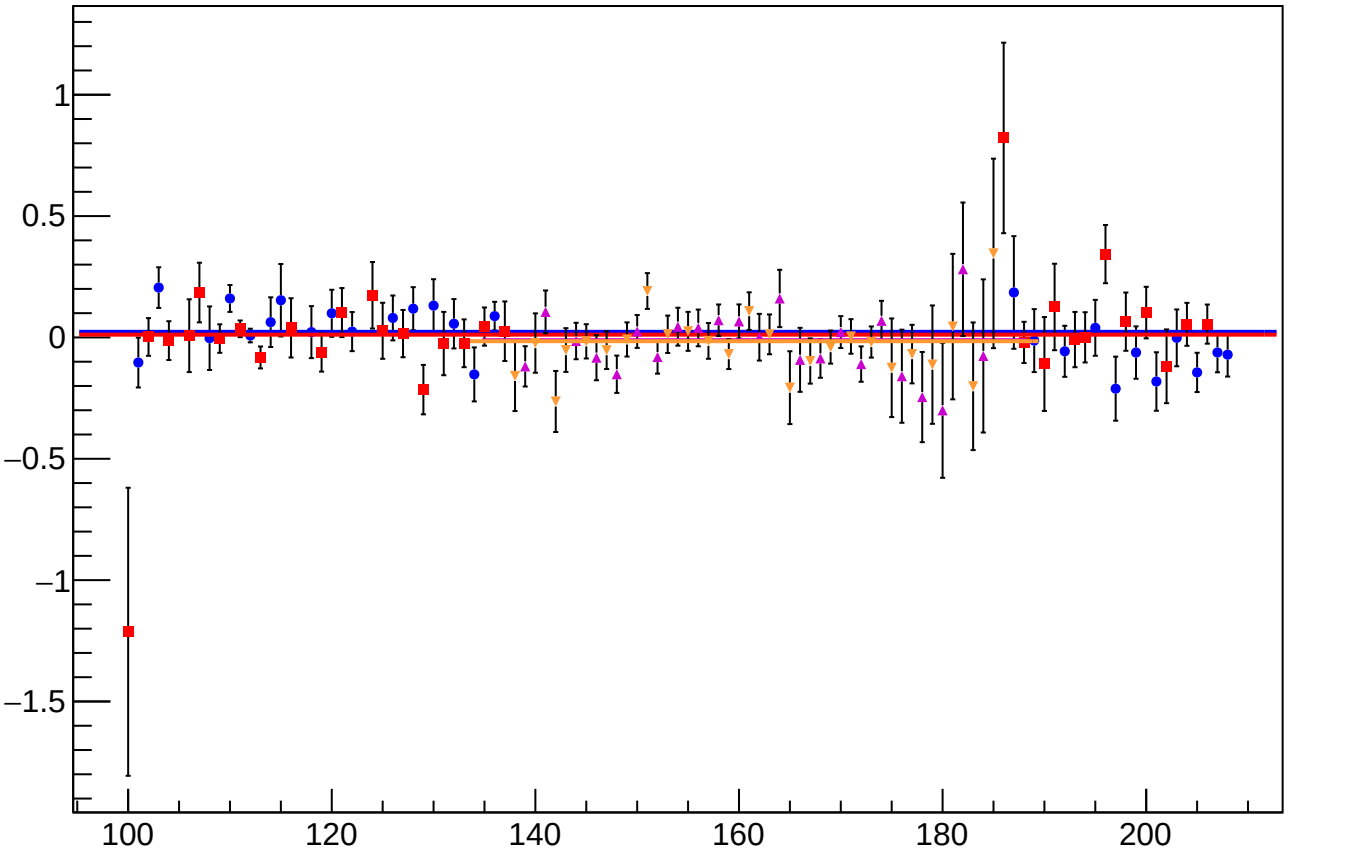
Right Out: 55.440+/-0.011 χ^2/NDF: 6375729.3/30

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 61.404+/-0.008 χ^2/NDF: 12436579.7/51

All: 62.008+/-0.006 χ^2/NDF: 22591602.3/105

- sign 62.627+/-0.008 χ^2/NDF: 10144369.6/53



Right In: 0.023+/-0.016 χ^2/NDF: 34.9/26

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

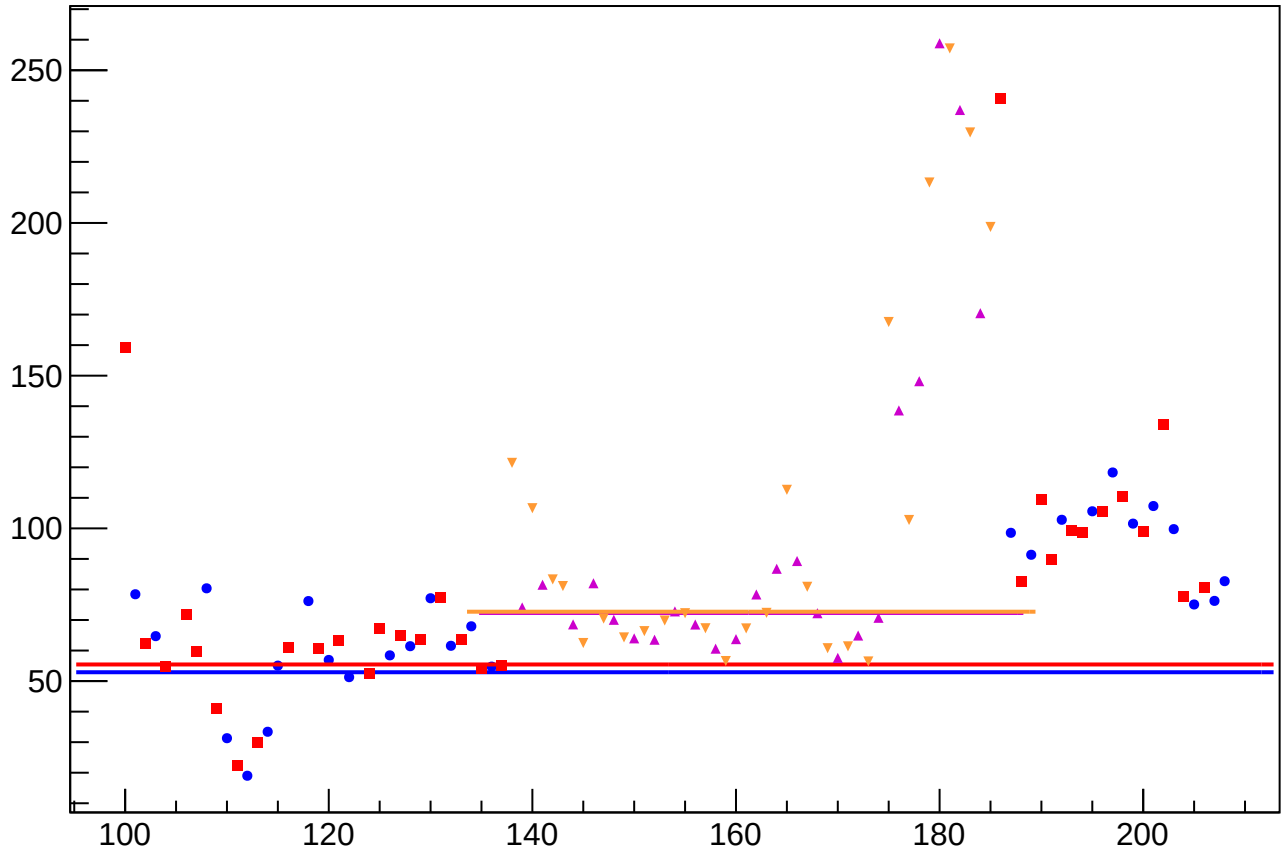
Right Out: 0.011+/-0.016 χ^2/NDF: 34.8/30

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.006+/-0.012 χ^2/NDF: 59.2/51

All: 0.004+/-0.008 χ^2/NDF: 118.4/105

- sign 0.002+/-0.012 χ^2/NDF: 59.1/53



Right In: 52.896+/-0.011 χ^2/NDF: 7085722.8/26

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

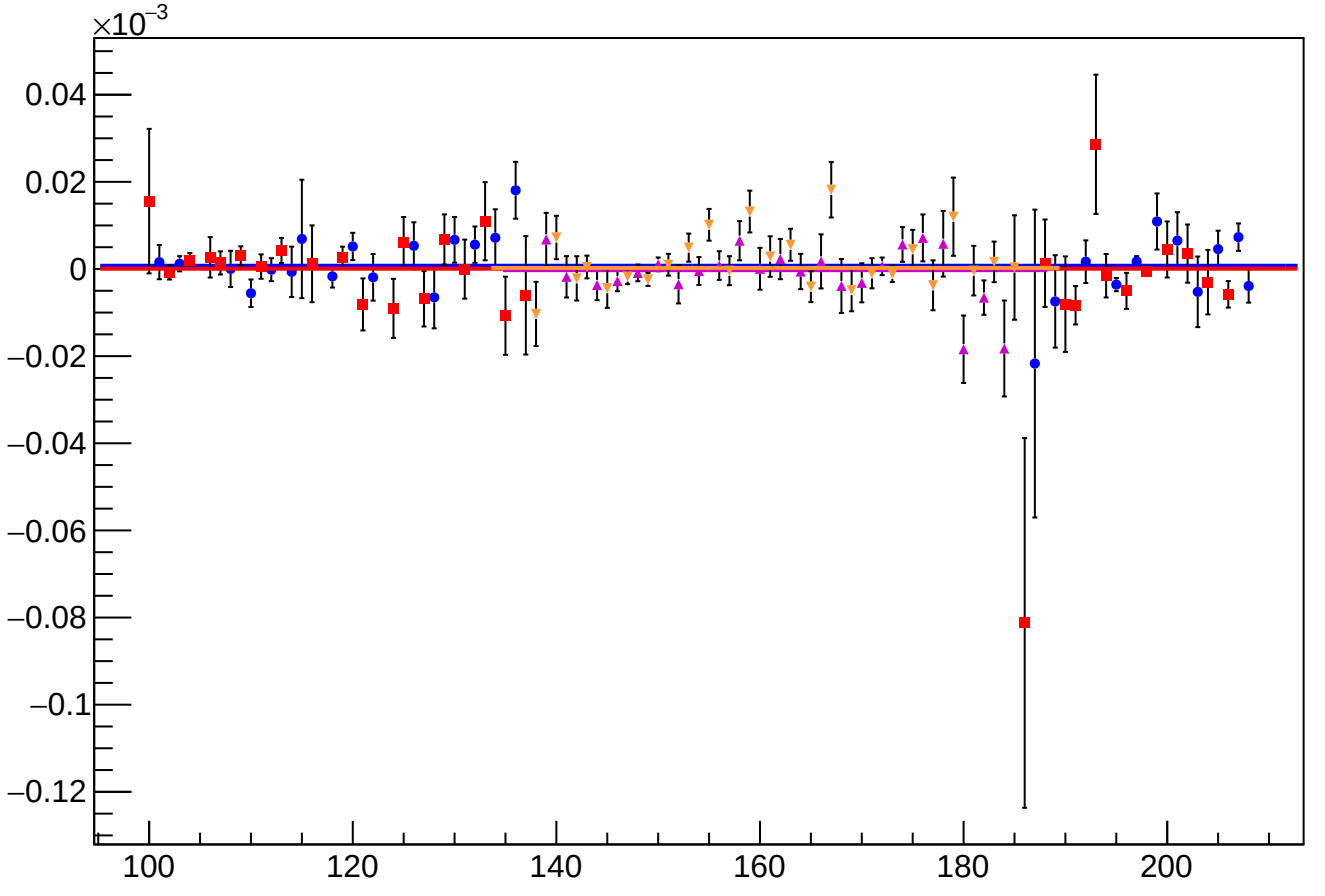
Right Out: 55.440+/-0.011 χ^2/NDF: 6375729.3/30

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 61.404+/-0.008 χ^2/NDF: 12436579.7/51

All: 62.008+/-0.006 χ^2/NDF: 22591602.3/105

- sign 62.627+/-0.008 χ^2/NDF: 10144369.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 40.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

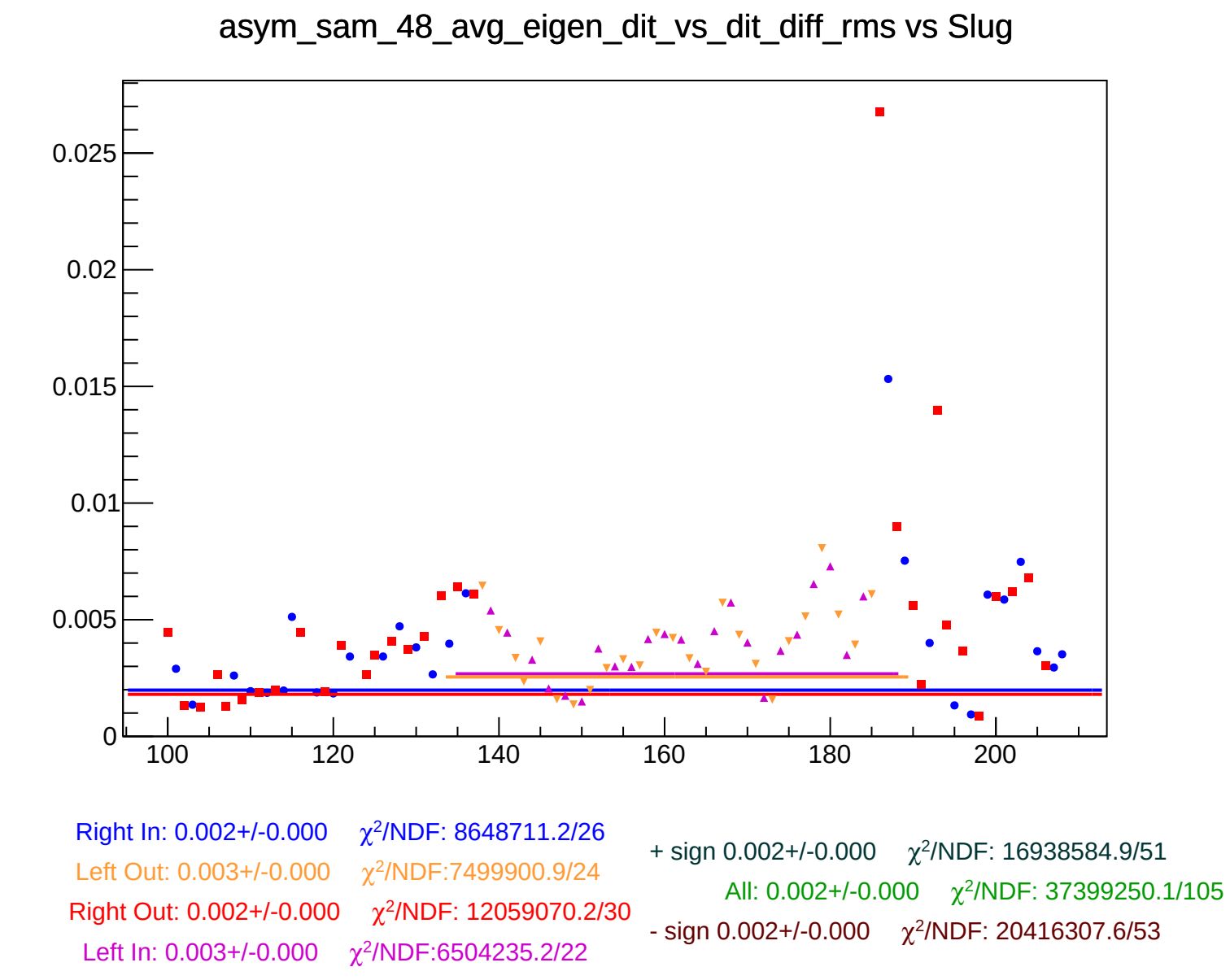
Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/30

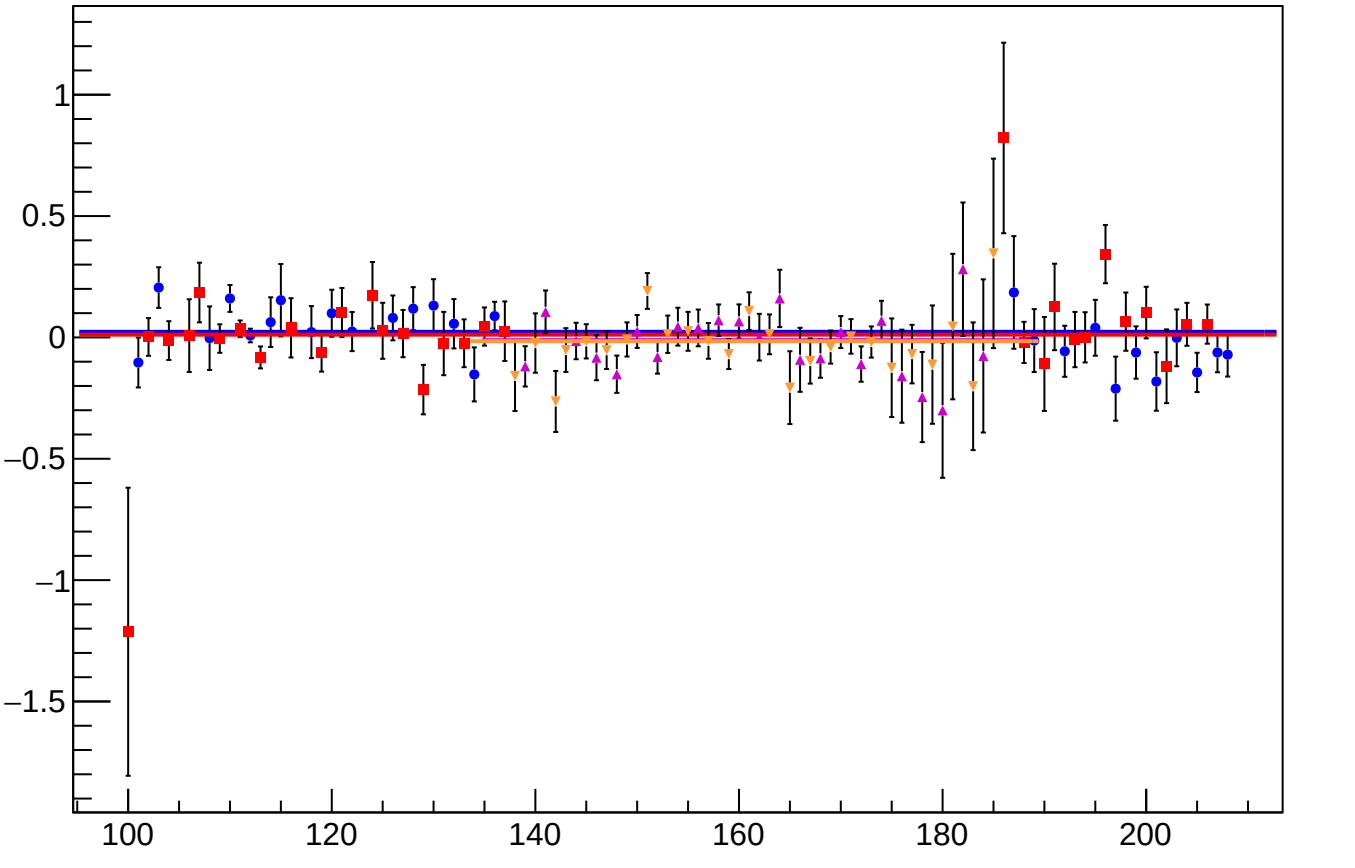
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 84.1/51

All: 0.000+/-0.000 χ^2/NDF: 145.2/105

- sign -0.000+/-0.000 χ^2/NDF: 60.3/53


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 8648711.2/26
Left Out: 0.003+/-0.000 χ²/NDF:7499900.9/24
Right Out: 0.002+/-0.000 χ²/NDF: 12059070.2/30
Left In: 0.003+/-0.000 χ²/NDF:6504235.2/22
+ sign 0.002+/-0.000 χ²/NDF: 16938584.9/51
All: 0.002+/-0.000 χ²/NDF: 37399250.1/105
- sign 0.002+/-0.000 χ²/NDF: 20416307.6/53



Right In: 0.023+/-0.016 χ^2/NDF: 34.9/26

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

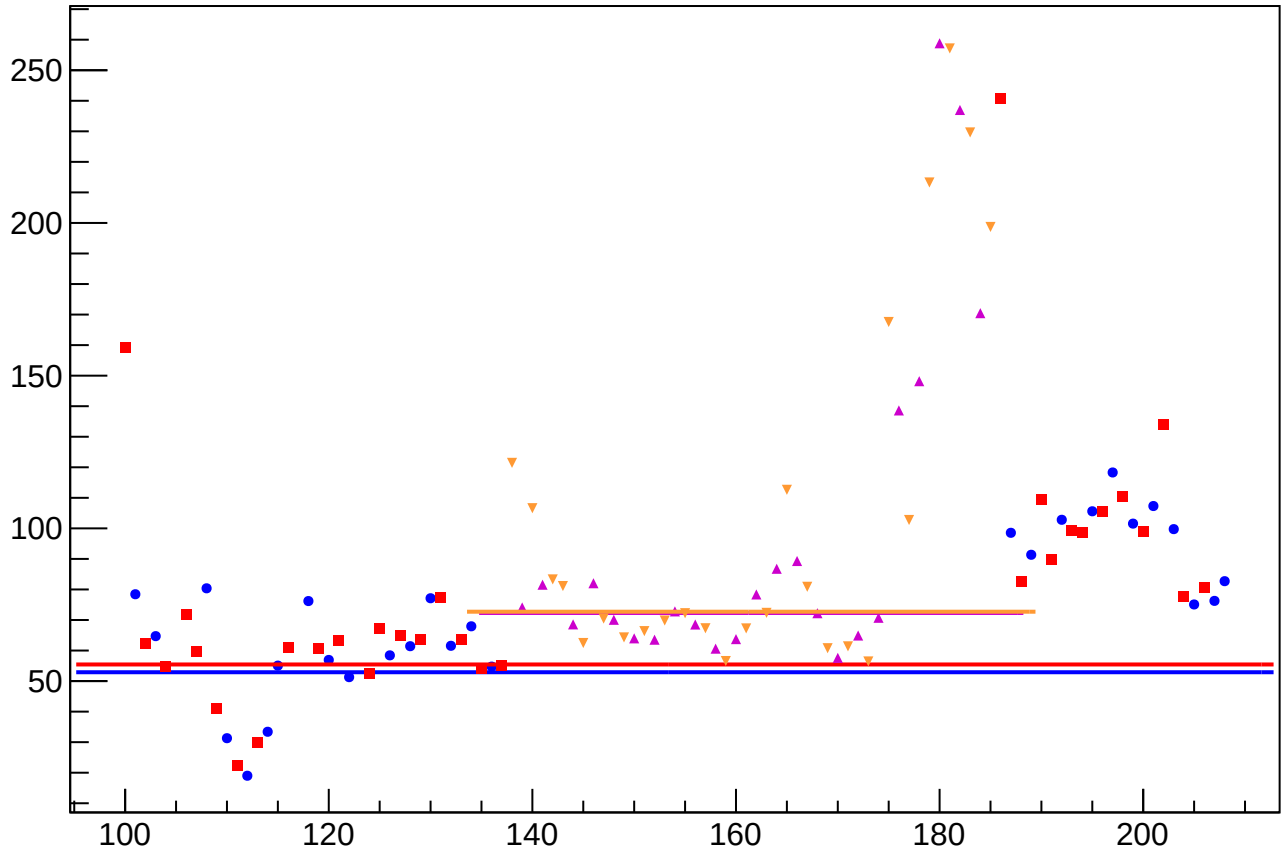
Right Out: 0.011+/-0.016 χ^2/NDF: 34.8/30

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.006+/-0.012 χ^2/NDF: 59.2/51

All: 0.004+/-0.008 χ^2/NDF: 118.4/105

- sign 0.002+/-0.012 χ^2/NDF: 59.1/53



Right In: 52.895+/-0.011 χ^2/NDF: 7085989.8/26

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

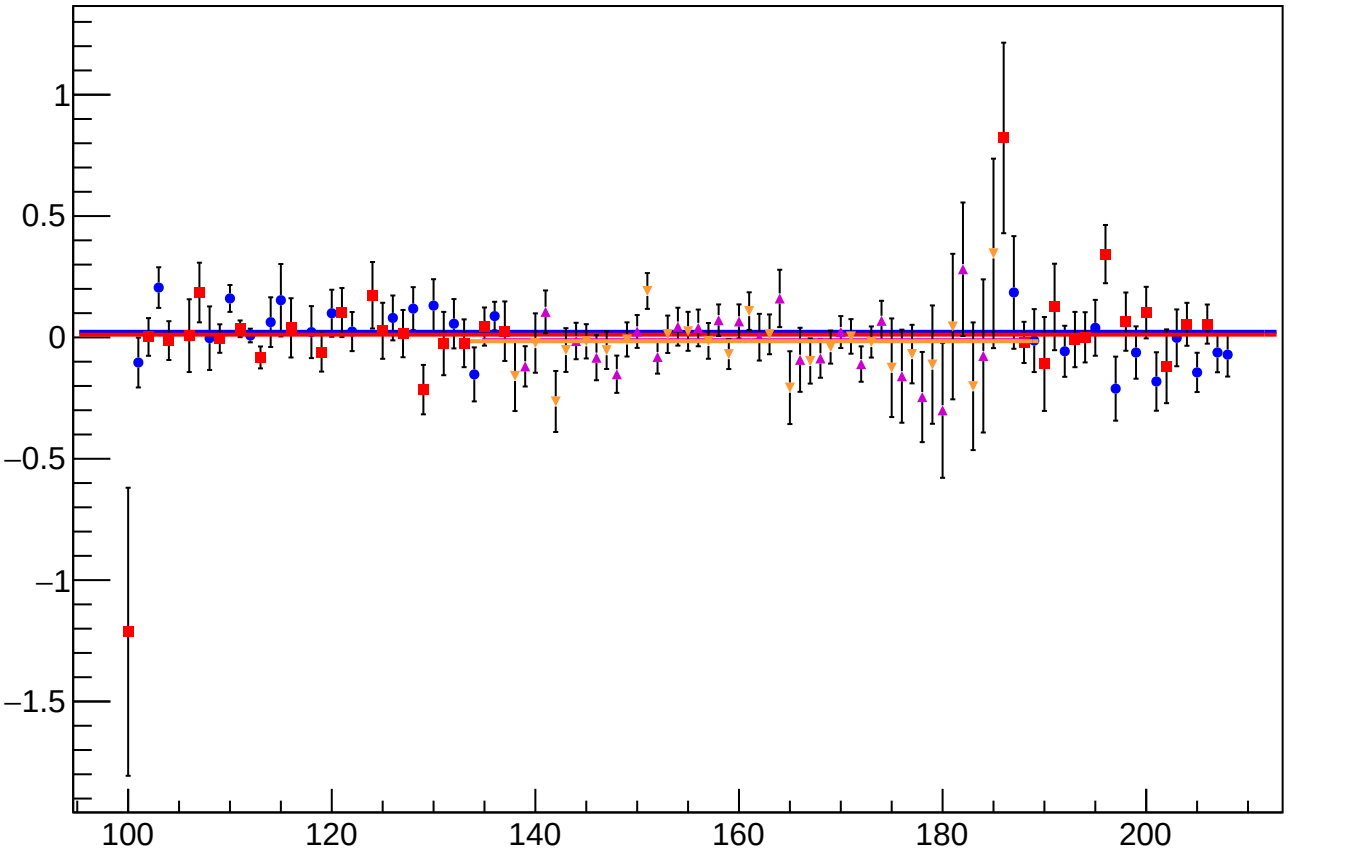
Right Out: 55.439+/-0.011 χ^2/NDF: 6376042.9/30

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 61.404+/-0.008 χ^2/NDF: 12437014.8/51

All: 62.007+/-0.006 χ^2/NDF: 22592462.0/105

- sign 62.627+/-0.008 χ^2/NDF: 10144793.0/53



Right In: 0.023+/-0.016 χ^2/NDF: 34.9/26

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

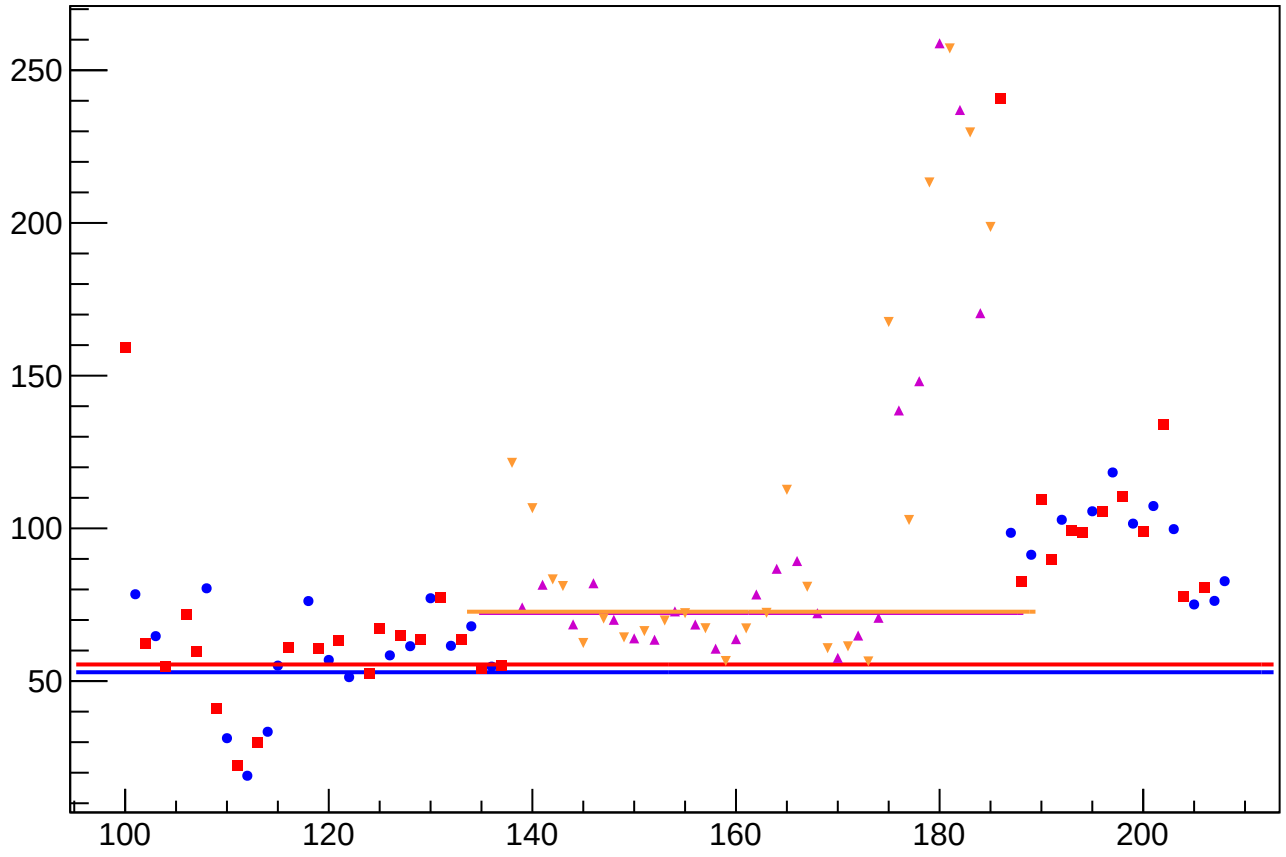
Right Out: 0.011+/-0.016 χ^2/NDF: 34.8/30

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.006+/-0.012 χ^2/NDF: 59.2/51

All: 0.004+/-0.008 χ^2/NDF: 118.4/105

- sign 0.002+/-0.012 χ^2/NDF: 59.1/53



Right In: 52.895+/-0.011 χ^2/NDF: 7085989.8/26

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

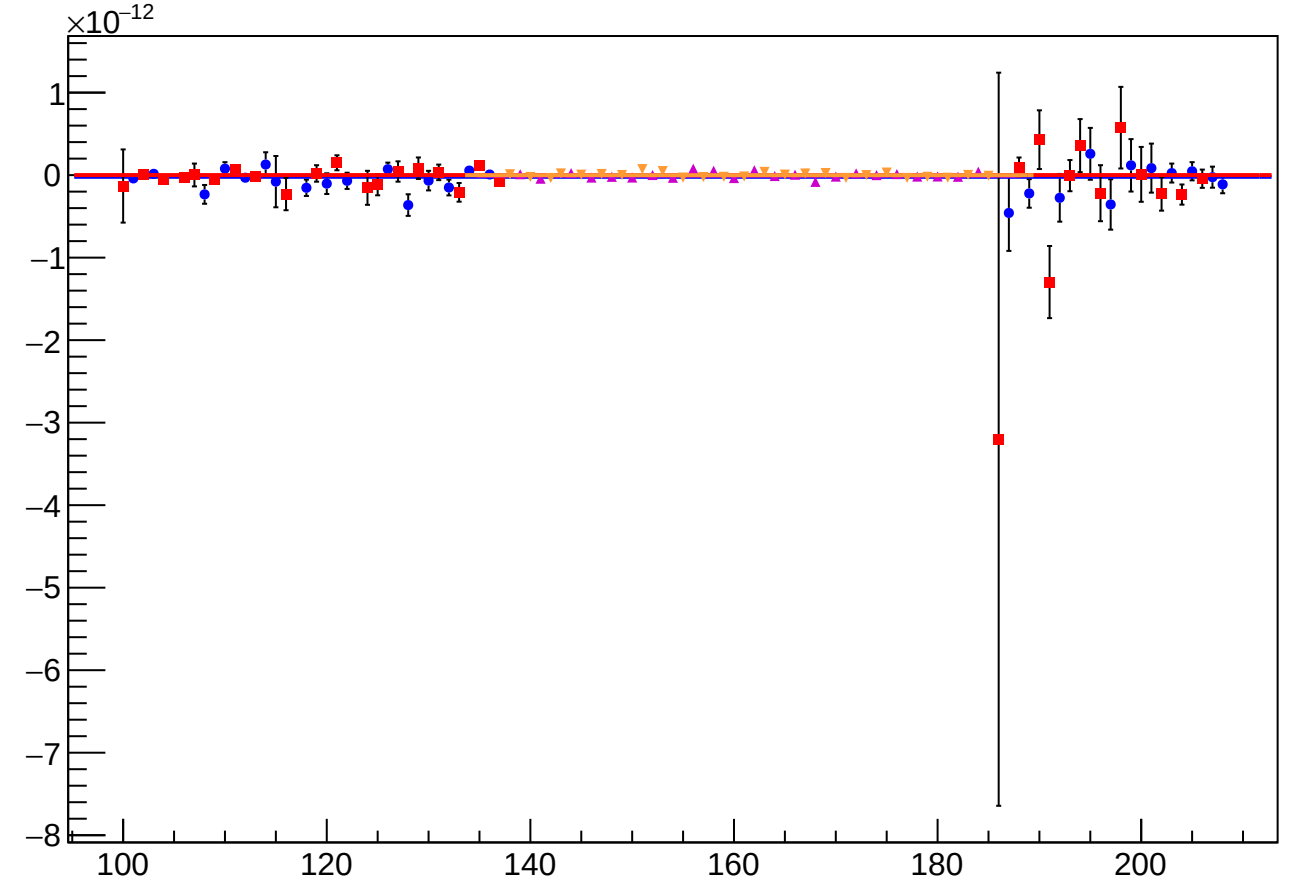
Right Out: 55.439+/-0.011 χ^2/NDF: 6376042.9/30

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 61.404+/-0.008 χ^2/NDF: 12437014.8/51

All: 62.007+/-0.006 χ^2/NDF: 22592462.0/105

- sign 62.627+/-0.008 χ^2/NDF: 10144793.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 29.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

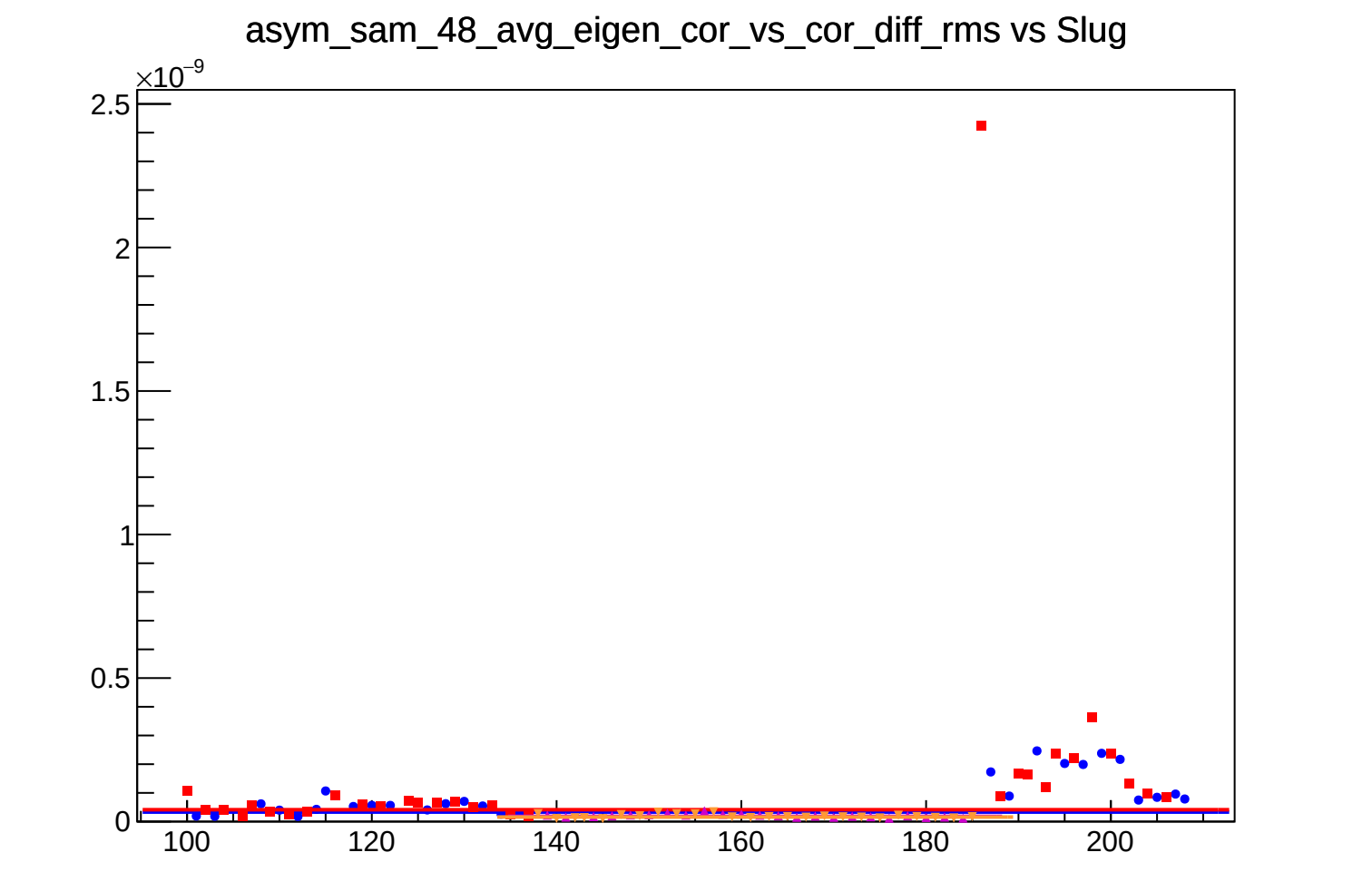
Right Out: 0.000+/-0.000 χ^2/NDF: 42.9/30

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/51

All: -0.000+/-0.000 χ^2/NDF: 140.8/105

- sign -0.000+/-0.000 χ^2/NDF: 81.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 7890285.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7603807.4/30

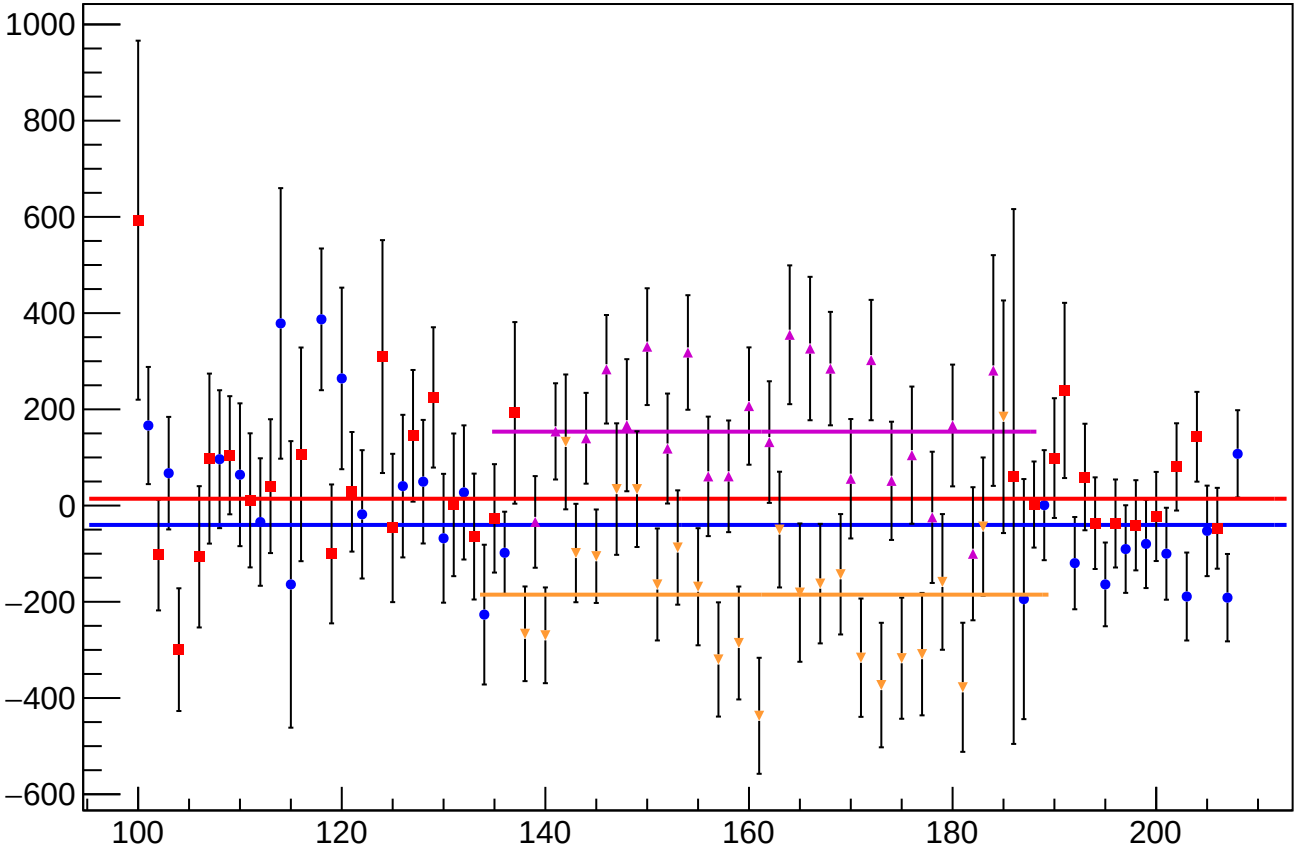
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13079568.2/51

All: 0.000+/-0.000 χ^2/NDF: 26466183.6/105

- sign 0.000+/-0.000 χ^2/NDF: 13022672.3/53

reg_asym_sam_15_dd_mean vs Slug



Right In: -40.226+/-22.354 χ^2/NDF: 33.9/26

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 14.201+/-22.151 χ^2/NDF: 24.1/30

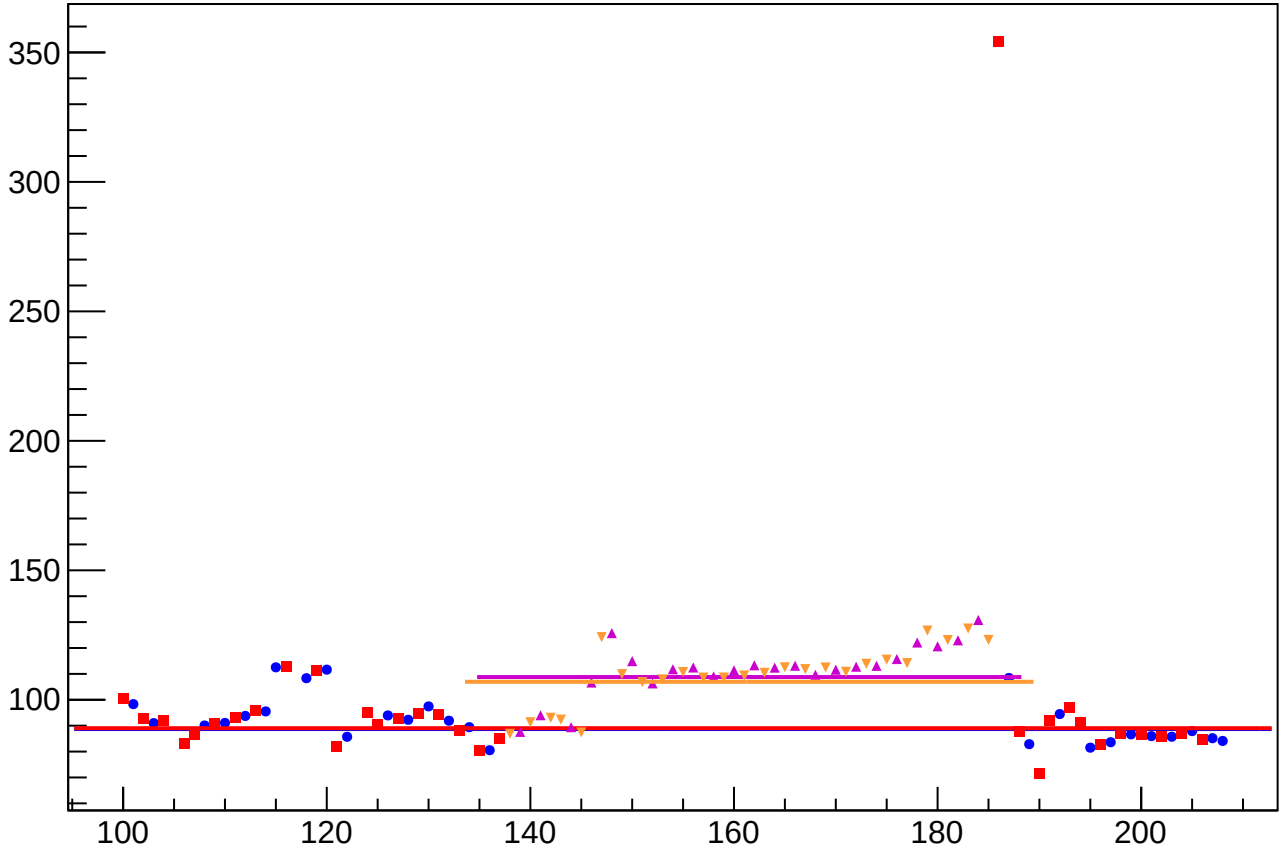
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -106.202+/-16.499 χ^2/NDF: 86.1/51

All: -17.343+/-11.748 χ^2/NDF: 209.6/105

- sign 74.061+/-16.733 χ^2/NDF: 64.6/53

reg_asym_sam_15_dd_rms vs Slug



Right In: 88.700+/-0.016 χ^2/NDF: 186910.0/26

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 89.020+/-0.016 χ^2/NDF: 643041.9/30

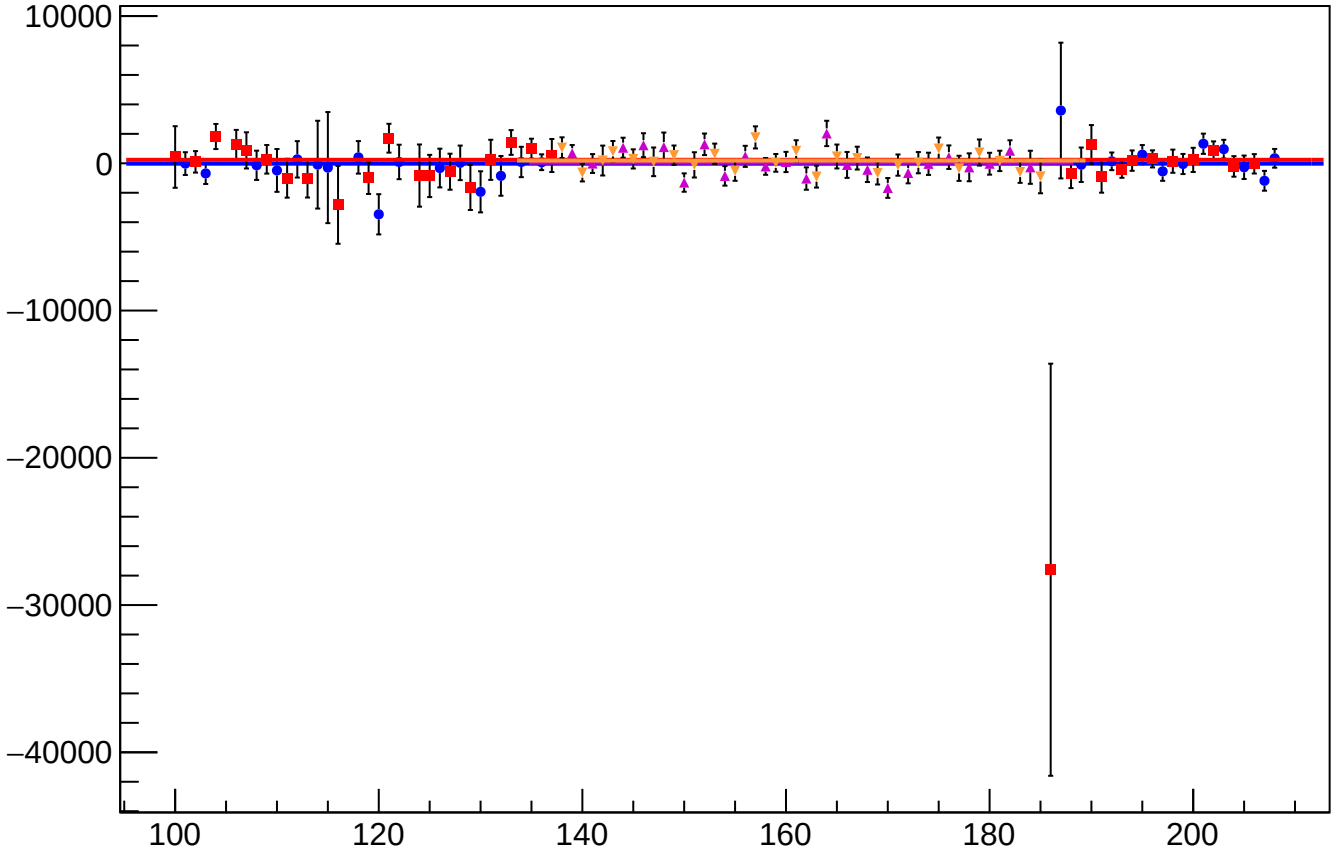
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

\+ sign 97.010+/-0.012 χ^2/NDF: 1258348.2/51

All: 97.253+/-0.008 χ^2/NDF: 2944051.1/105

\- sign 97.504+/-0.012 χ^2/NDF: 1684820.2/53

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -25.446+/-166.274 χ^2/NDF: 21.8/26

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 237.835+/-164.978 χ^2/NDF: 27.1/30

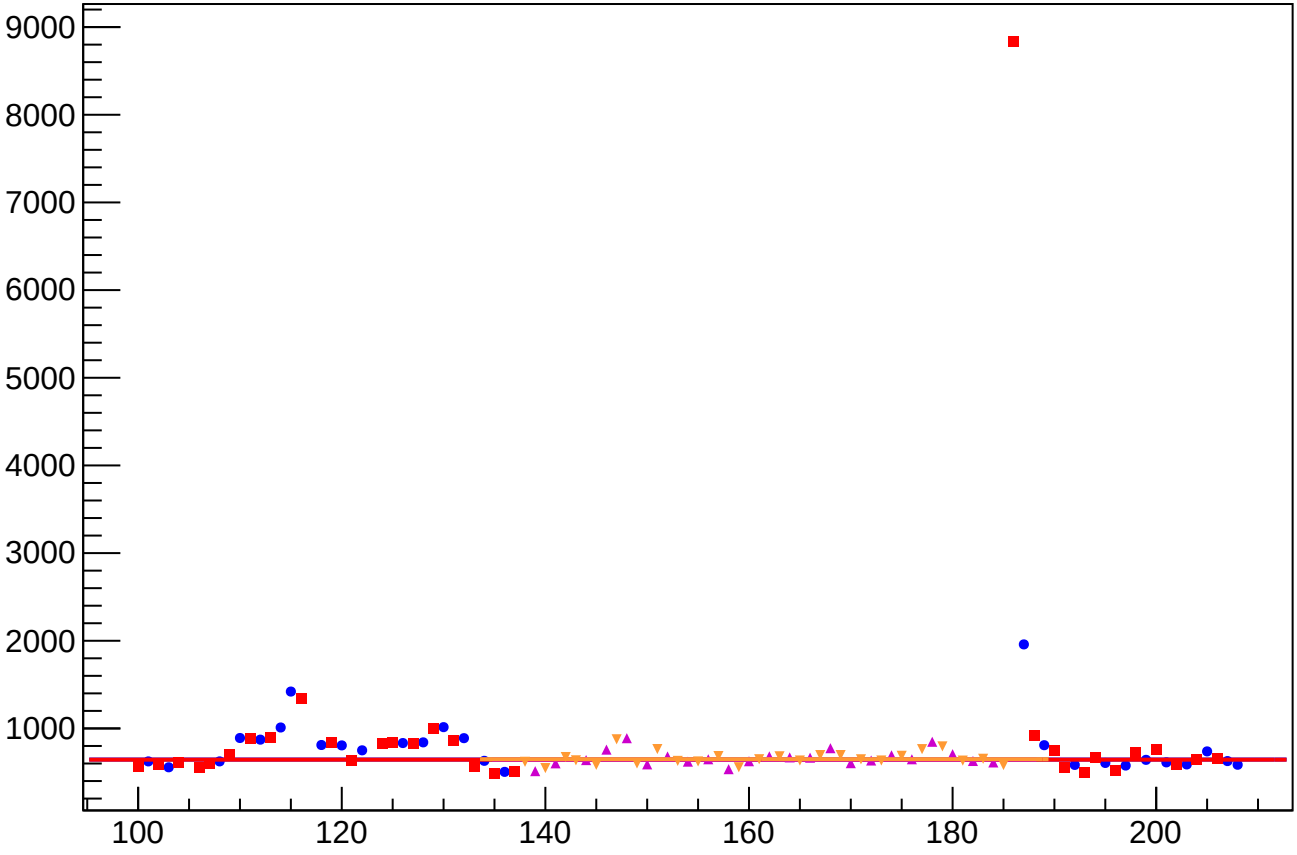
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 92.208+/-110.891 χ^2/NDF: 41.8/51

All: 112.250+/-78.735 χ^2/NDF: 103.4/105

- sign 132.626+/-111.811 χ^2/NDF: 61.6/53

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 645.247+/-0.118 χ^2/NDF: 1119981.7/26

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 643.779+/-0.117 χ^2/NDF: 1966867.6/30

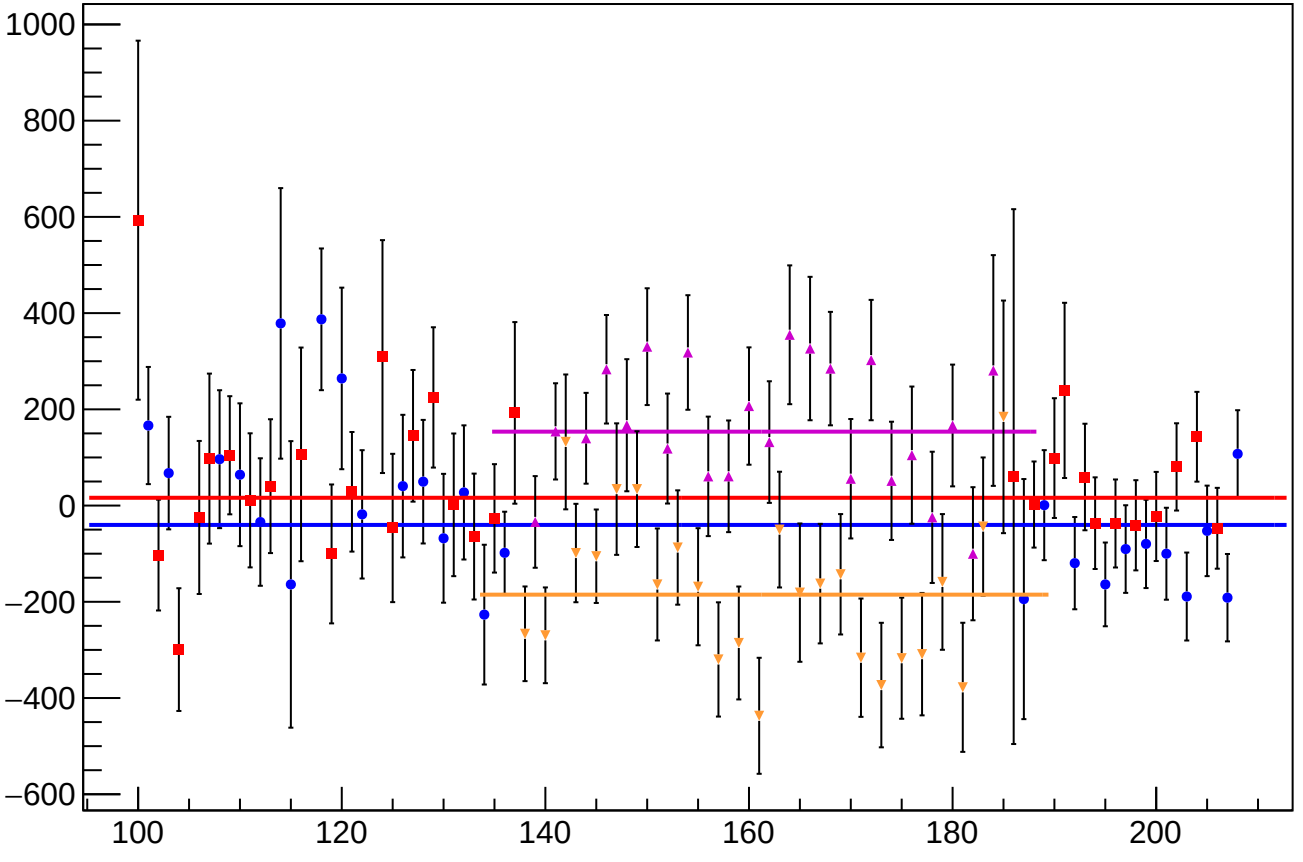
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 647.436+/-0.078 χ^2/NDF: 1538970.6/51

All: 645.701+/-0.056 χ^2/NDF: 4065948.3/105

- sign 643.938+/-0.079 χ^2/NDF: 2525990.9/53

cor_asym_sam_15_dd_mean vs Slug



Right In: -40.224+/-22.354 χ^2/NDF: 33.9/26

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 16.201+/-22.188 χ^2/NDF: 23.5/30

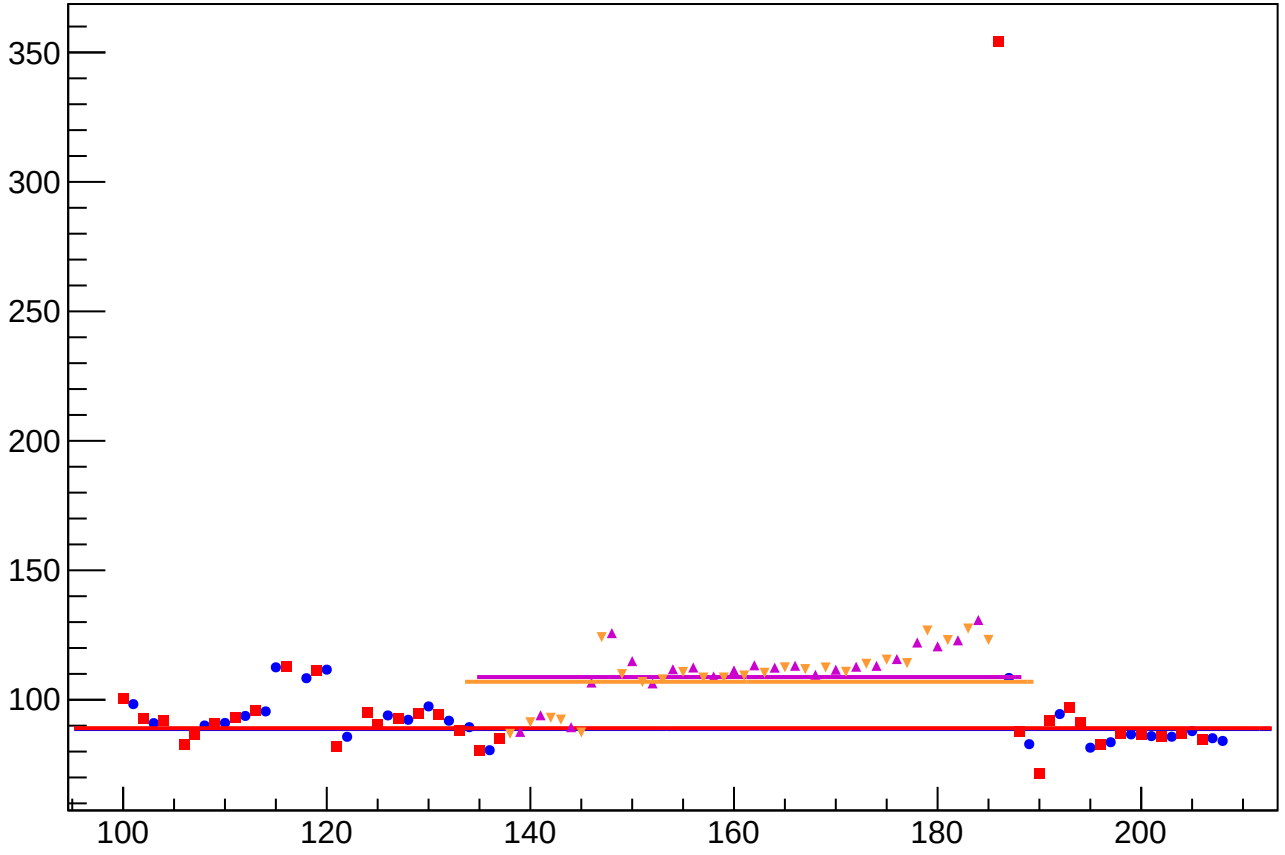
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -106.202+/-16.499 χ^2/NDF: 86.1/51

All: -16.811+/-11.754 χ^2/NDF: 209.2/105

- sign 75.318+/-16.749 χ^2/NDF: 63.5/53

cor_asym_sam_15_dd_rms vs Slug



Right In: 88.700+/-0.016 χ^2/NDF: 186910.0/26

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

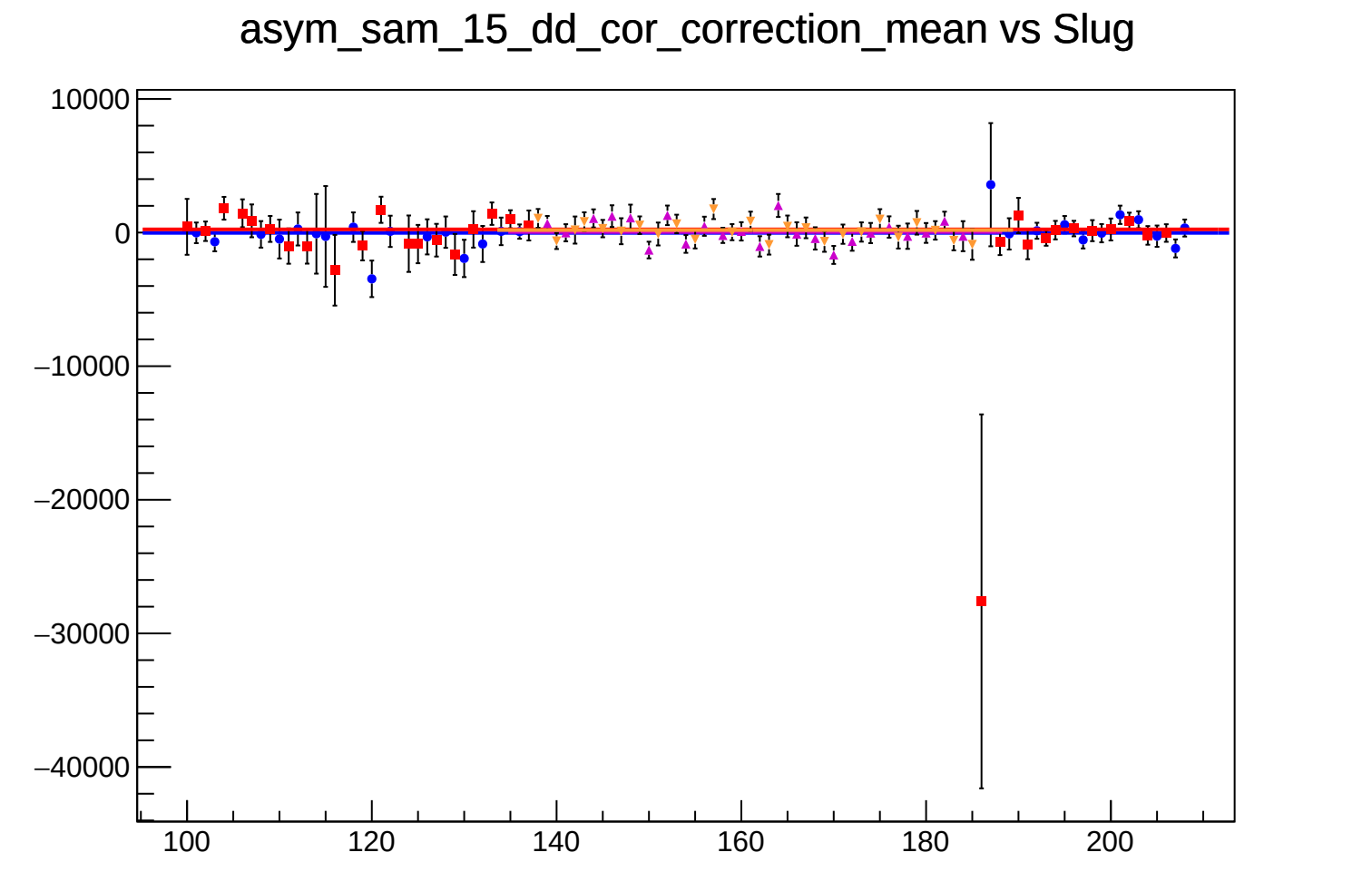
Right Out: 89.029+/-0.016 χ^2/NDF: 643104.7/30

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 97.010+/-0.012 χ^2/NDF: 1258348.3/51

All: 97.264+/-0.008 χ^2/NDF: 2942575.3/105

\- sign 97.525+/-0.012 χ^2/NDF: 1683266.8/53



Right In: -25.447+/-166.274 χ^2/NDF: 21.8/26

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 238.846+/-165.219 χ^2/NDF: 27.3/30

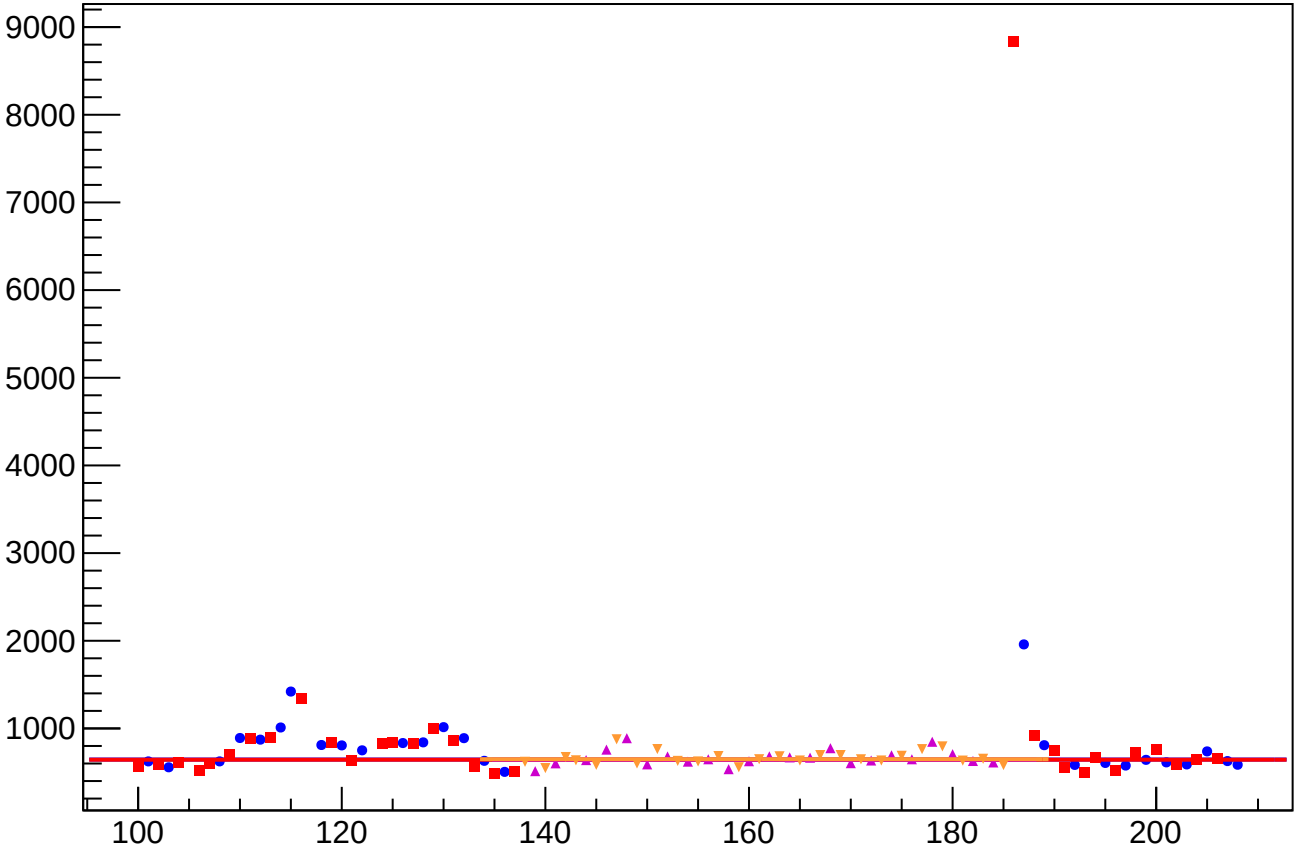
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 92.204+/-110.891 χ^2/NDF: 41.8/51

All: 112.395+/-78.761 χ^2/NDF: 103.7/105

- sign 132.950+/-111.885 χ^2/NDF: 61.8/53

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 645.247+/-0.118 χ^2/NDF: 1119982.5/26

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 643.352+/-0.117 χ^2/NDF: 1975987.4/30

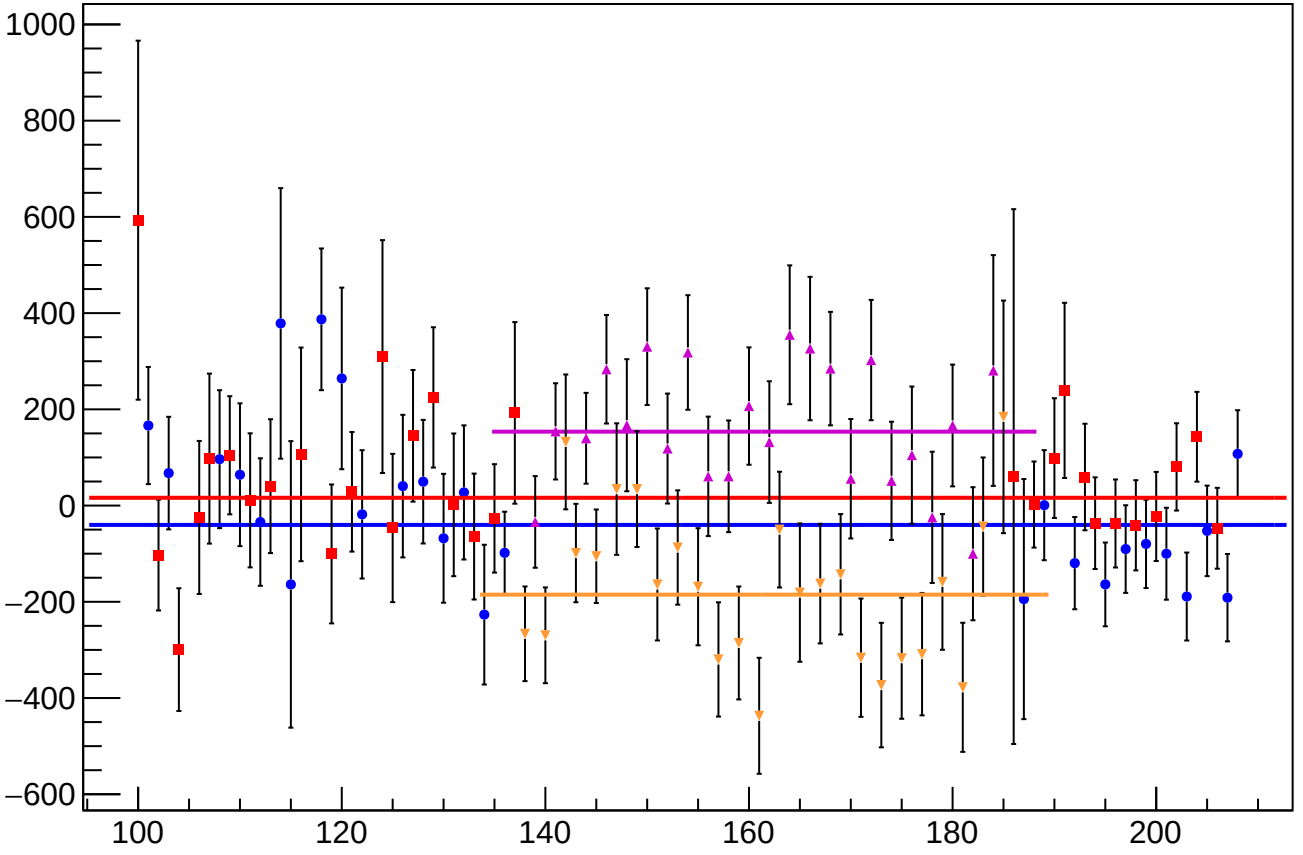
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 647.436+/-0.078 χ^2/NDF: 1538972.1/51

All: 645.605+/-0.056 χ^2/NDF: 4075200.6/105

- sign 643.742+/-0.079 χ^2/NDF: 2535129.0/53

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -40.224+/-22.354 χ^2/NDF: 33.9/26

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 16.201+/-22.188 χ^2/NDF: 23.5/30

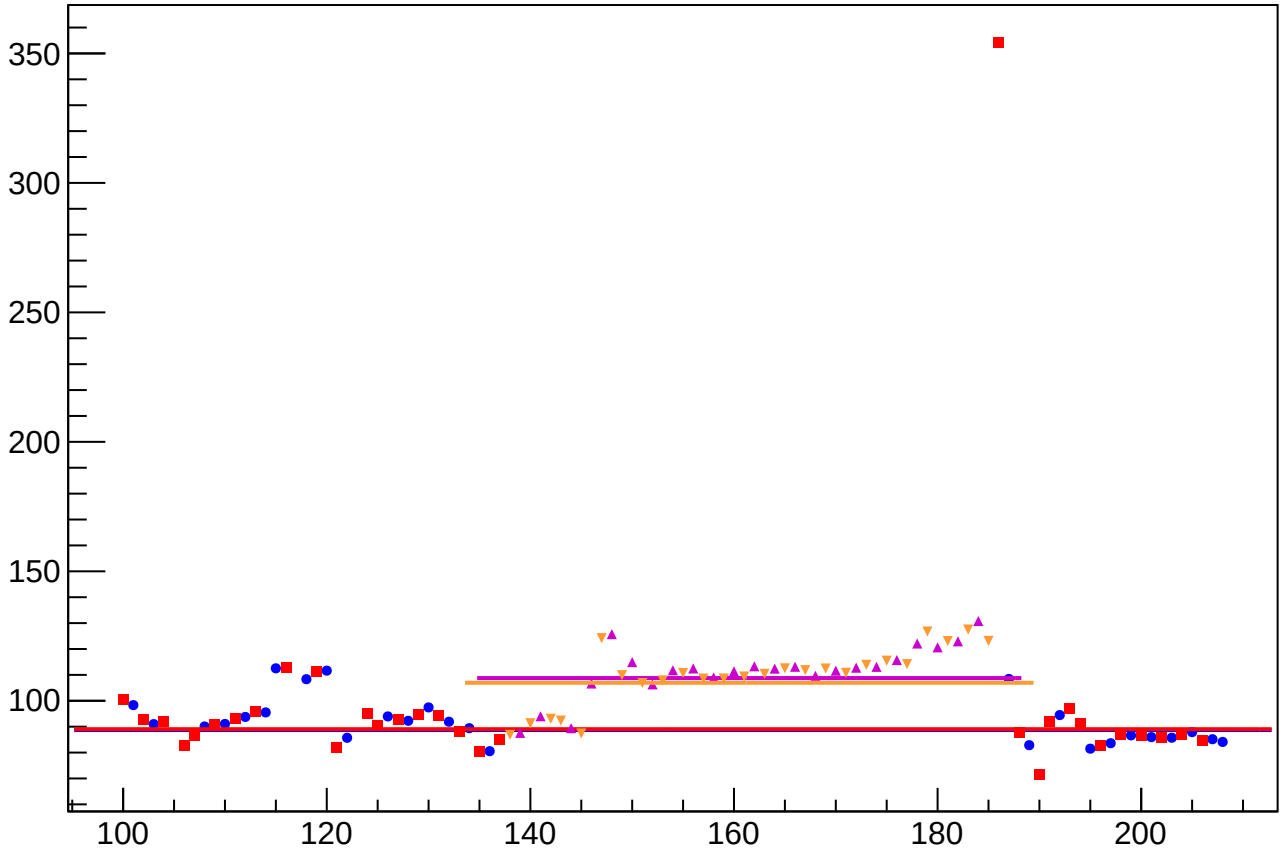
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -106.202+/-16.499 χ^2/NDF: 86.1/51

All: -16.811+/-11.754 χ^2/NDF: 209.2/105

- sign 75.318+/-16.749 χ^2/NDF: 63.5/53

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 88.700+/-0.016 χ^2/NDF: 186910.0/26

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

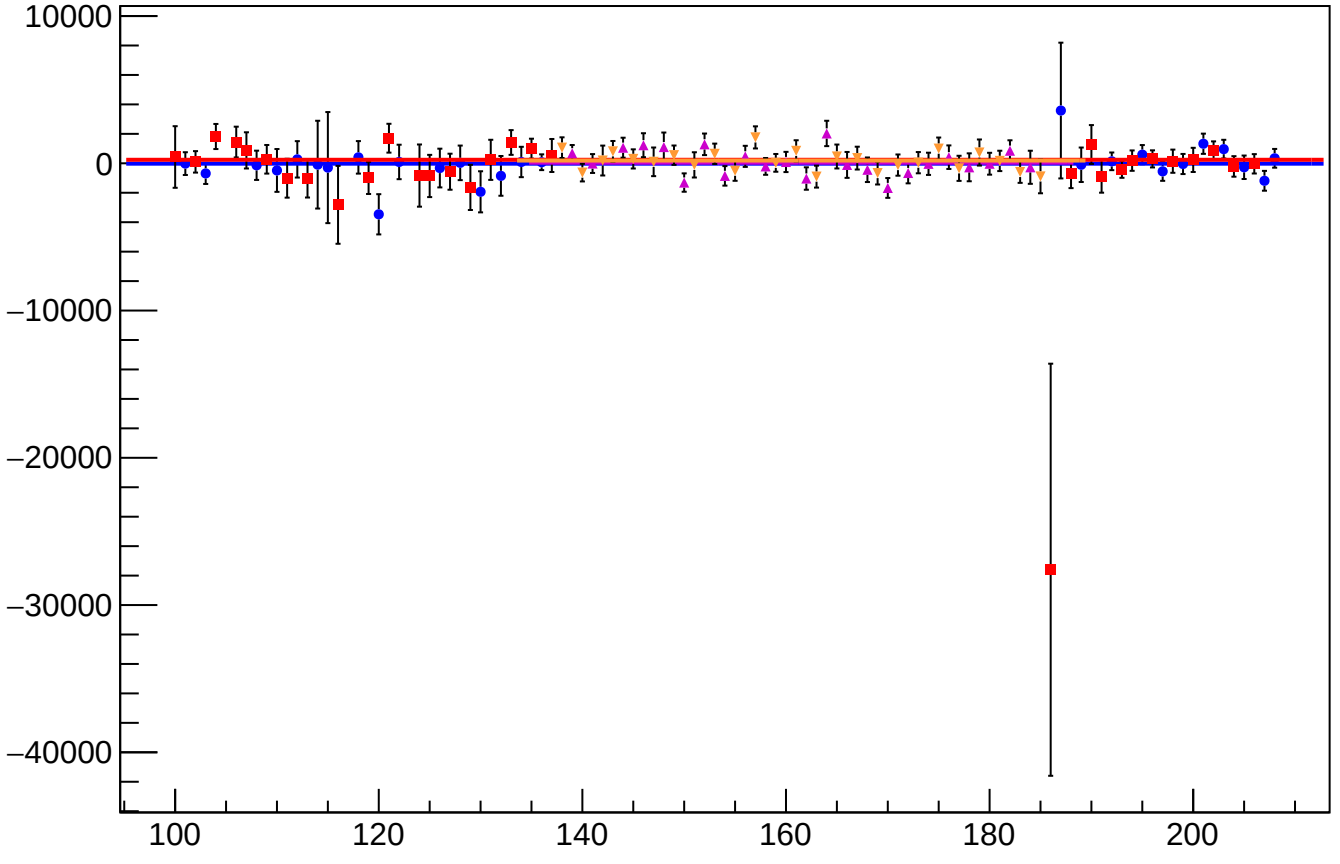
Right Out: 89.029+/-0.016 χ^2/NDF: 643104.7/30

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 97.010+/-0.012 χ^2/NDF: 1258348.3/51

All: 97.264+/-0.008 χ^2/NDF: 2942575.3/105

\- sign 97.525+/-0.012 χ^2/NDF: 1683266.8/53



Right In: -25.447+/-166.274 χ^2/NDF: 21.8/26

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 238.846+/-165.219 χ^2/NDF: 27.3/30

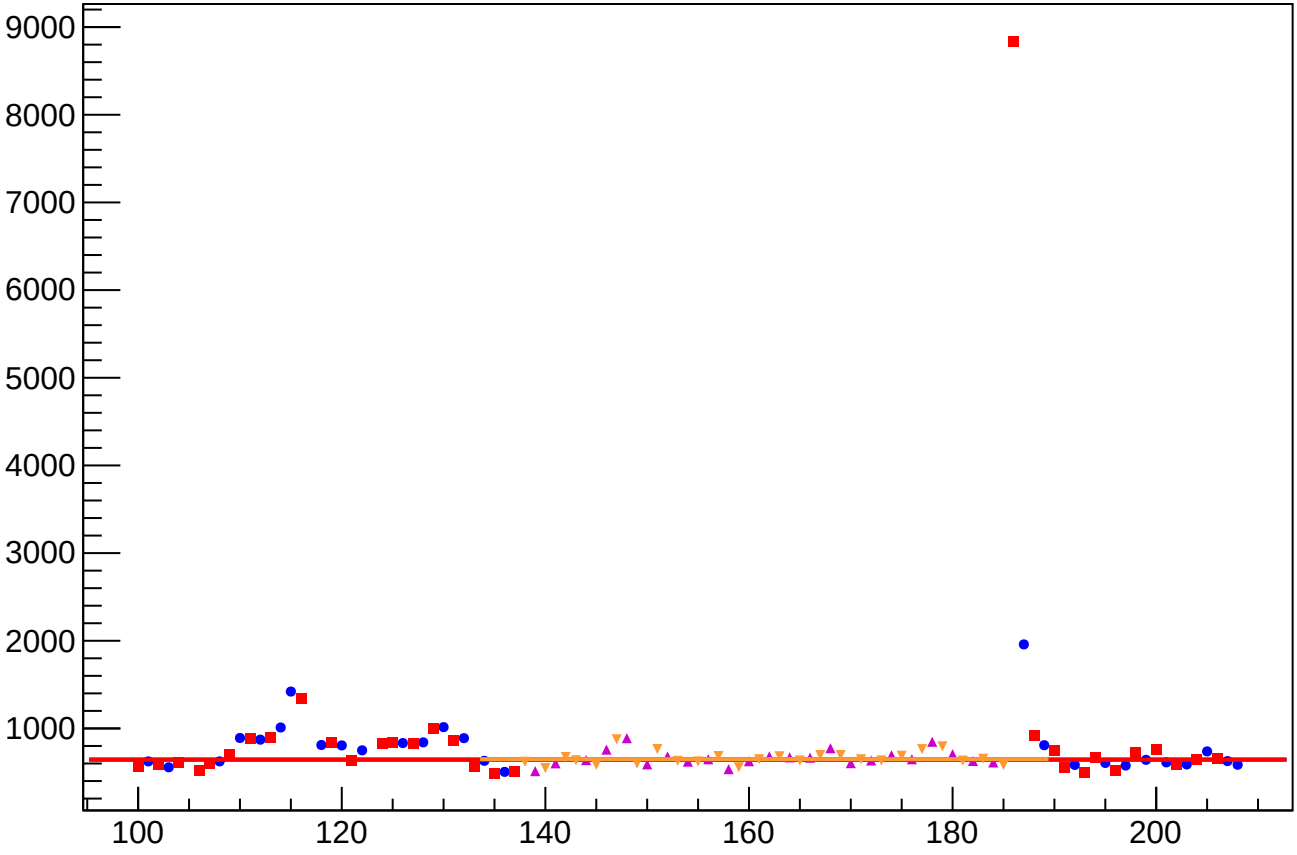
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 92.204+/-110.891 χ^2/NDF: 41.8/51

All: 112.395+/-78.761 χ^2/NDF: 103.7/105

- sign 132.950+/-111.885 χ^2/NDF: 61.8/53

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 645.247+/-0.118 χ^2/NDF: 1119982.5/26

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 643.352+/-0.117 χ^2/NDF: 1975987.4/30

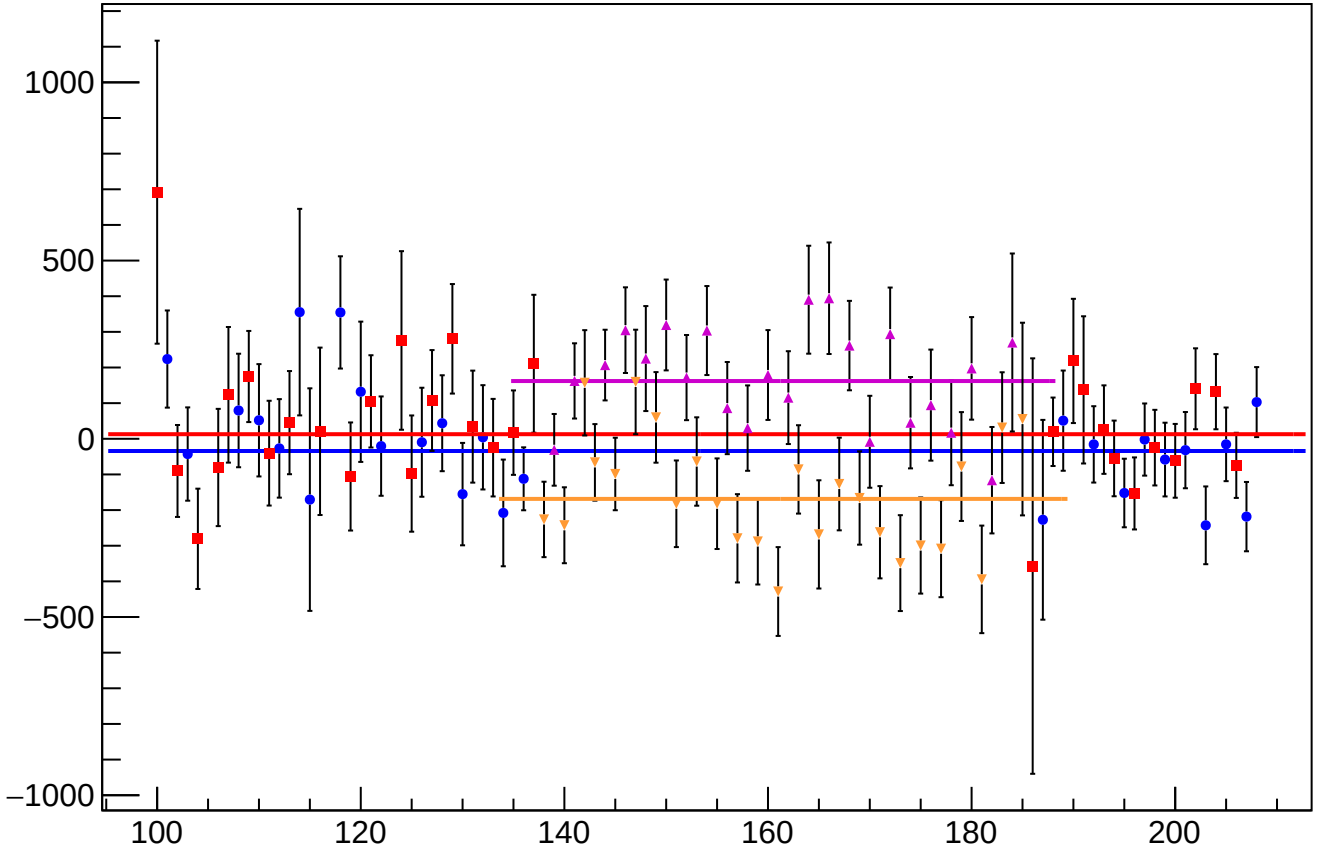
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 647.436+/-0.078 χ^2/NDF: 1538972.1/51

All: 645.605+/-0.056 χ^2/NDF: 4075200.6/105

- sign 643.742+/-0.079 χ^2/NDF: 2535129.0/53

dit_asym_sam_15_dd_mean vs Slug



Right In: -34.258+/-24.437 χ^2/NDF: 28.2/26

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 12.892+/-24.369 χ^2/NDF: 26.7/30

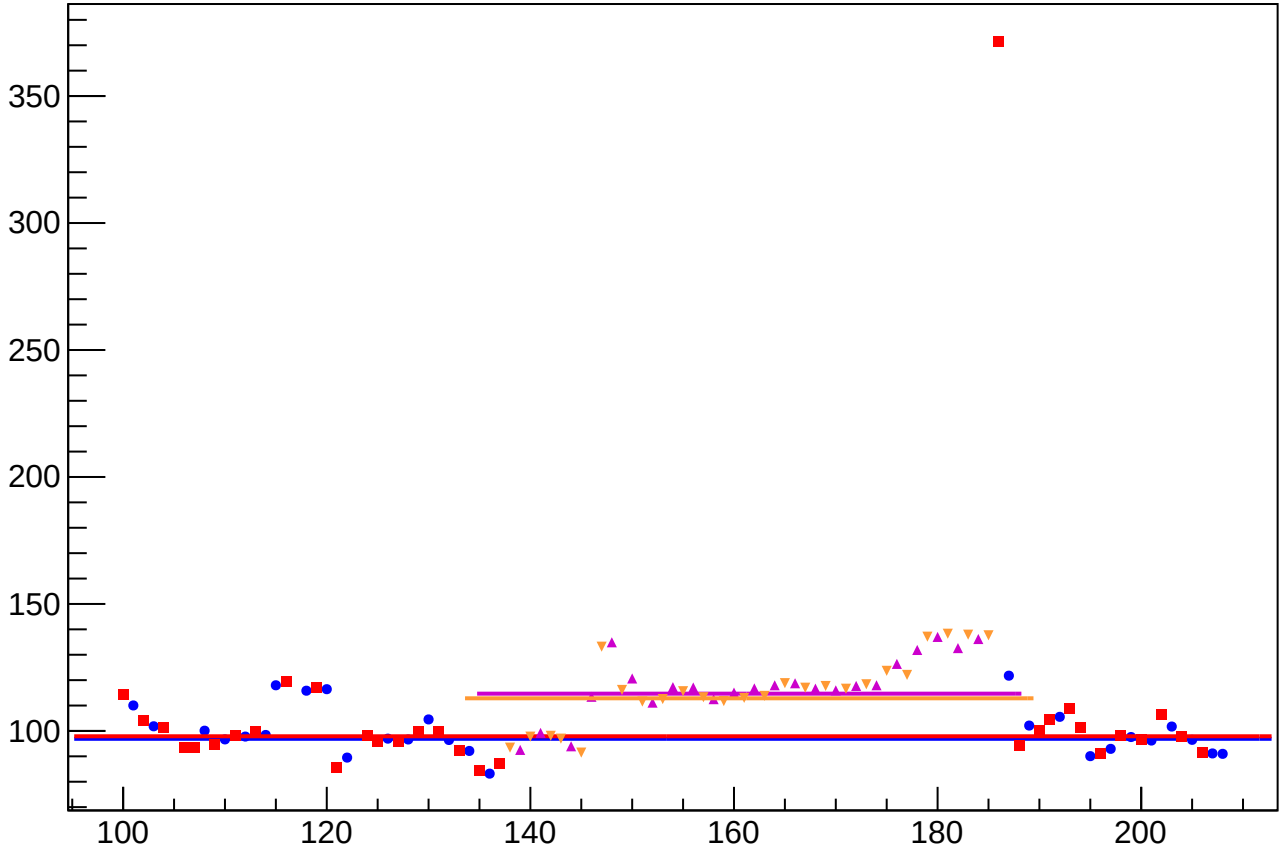
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -97.752+/-17.748 χ^2/NDF: 74.9/51

All: -10.503+/-12.664 χ^2/NDF: 191.2/105

- sign 79.986+/-18.075 χ^2/NDF: 67.1/53

dit_asym_sam_15_dd_rms vs Slug



Right In: 96.902+/-0.017 χ^2/NDF: 204836.1/26

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.897+/-0.017 χ^2/NDF: 609583.3/30

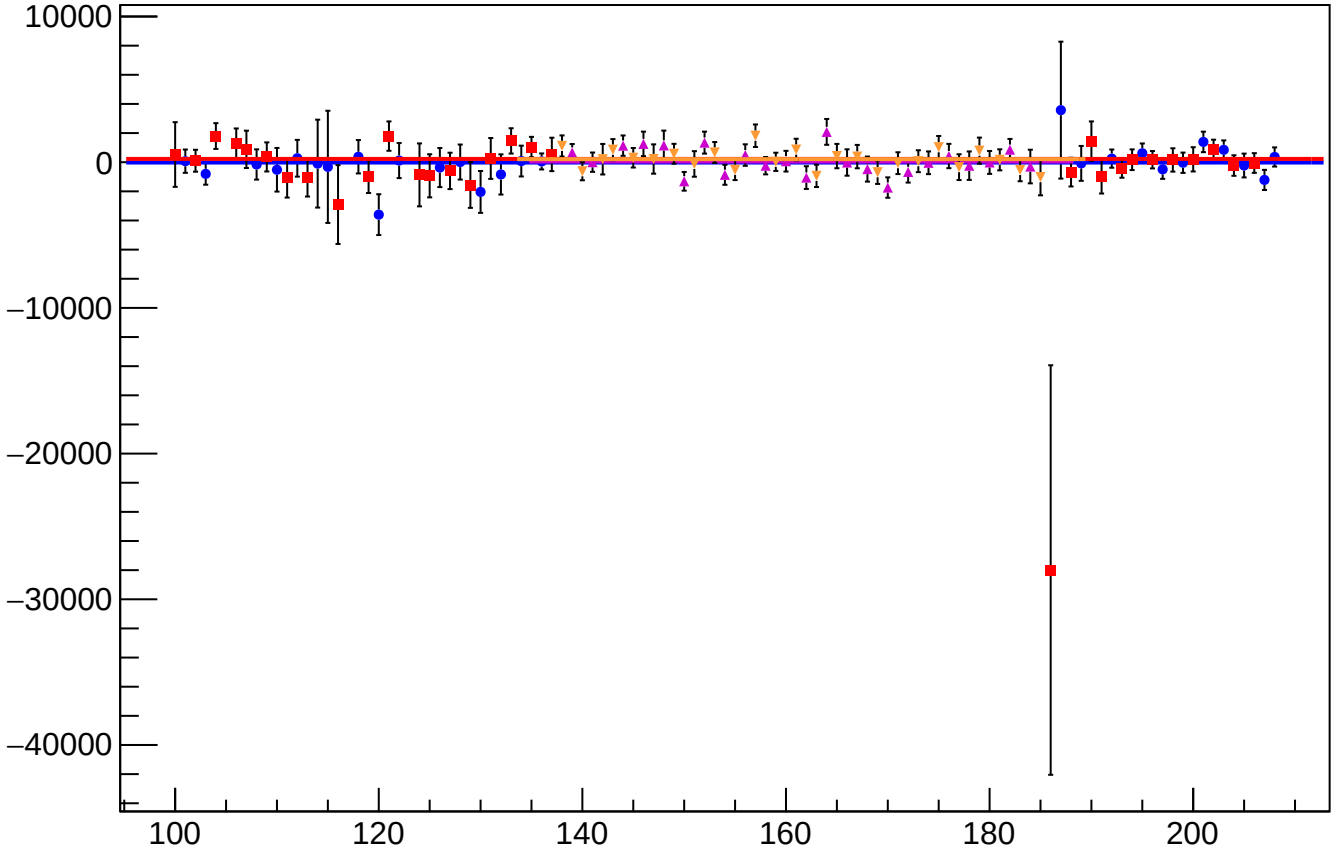
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 104.437+/-0.013 χ^2/NDF: 1119584.4/51

All: 104.932+/-0.009 χ^2/NDF: 2568896.4/105

- sign 105.446+/-0.013 χ^2/NDF: 1446140.6/53

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -22.412+/-170.991 χ^2/NDF: 21.8/26

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 226.370+/-170.203 χ^2/NDF: 27.0/30

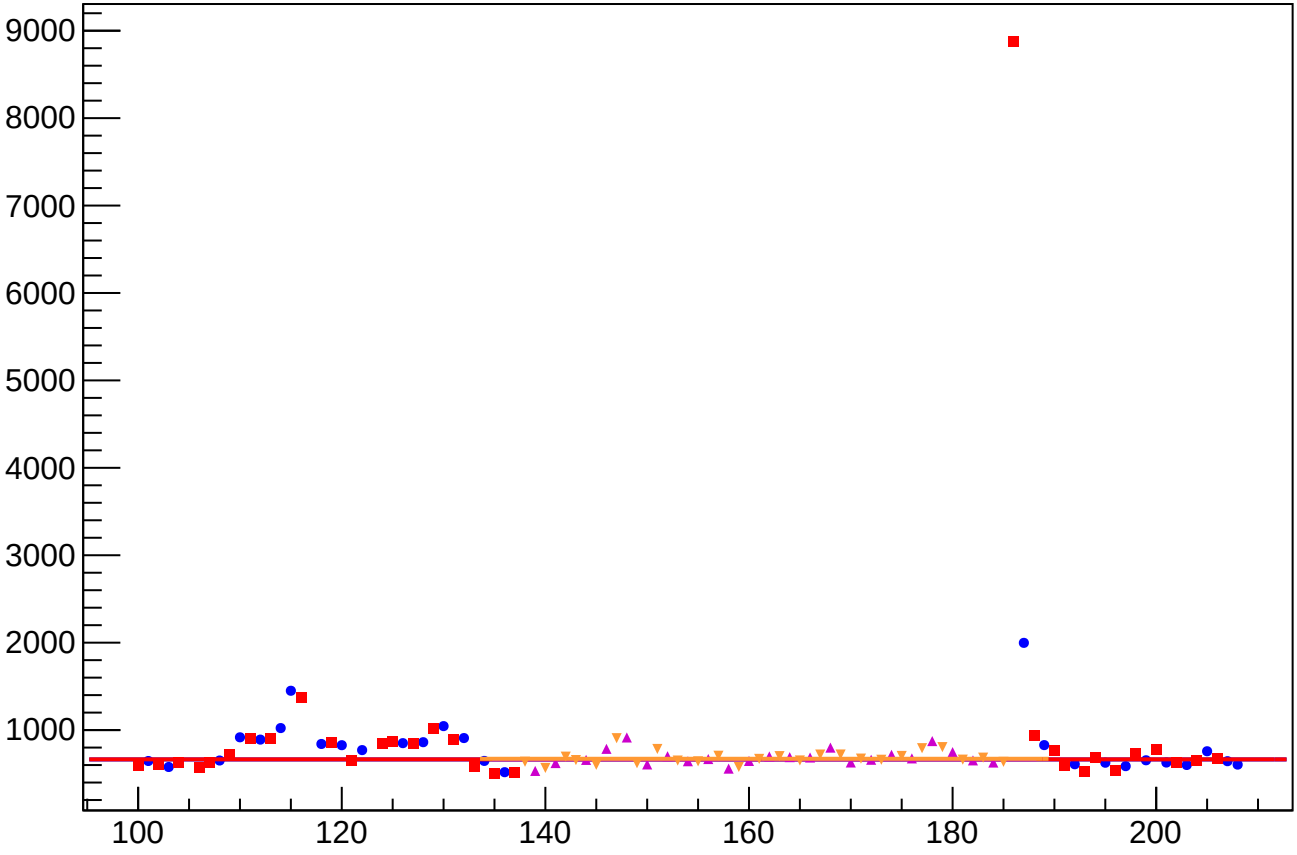
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 105.624+/-114.401 χ^2/NDF: 41.7/51

All: 118.425+/-81.312 χ^2/NDF: 102.6/105

- sign 131.494+/-115.594 χ^2/NDF: 60.9/53

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 663.937+/-0.121 χ^2/NDF: 1105907.9/26

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 665.262+/-0.120 χ^2/NDF: 1888700.5/30

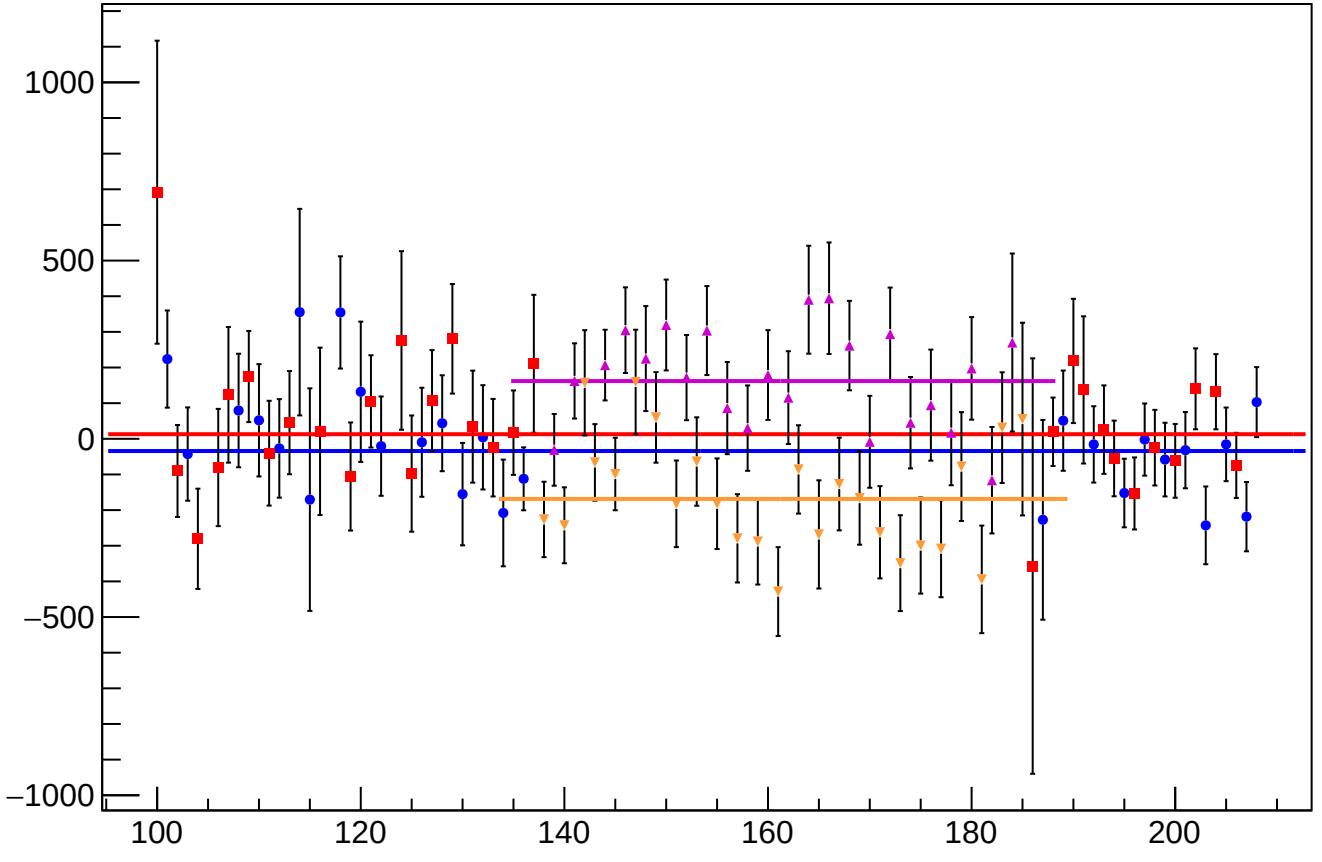
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 668.307+/-0.081 χ^2/NDF: 1507432.7/51

All: 667.355+/-0.057 χ^2/NDF: 3943477.9/105

- sign 666.382+/-0.082 χ^2/NDF: 2435765.0/53

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -34.257+/-24.437 χ^2/NDF: 28.2/26

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 12.892+/-24.369 χ^2/NDF: 26.7/30

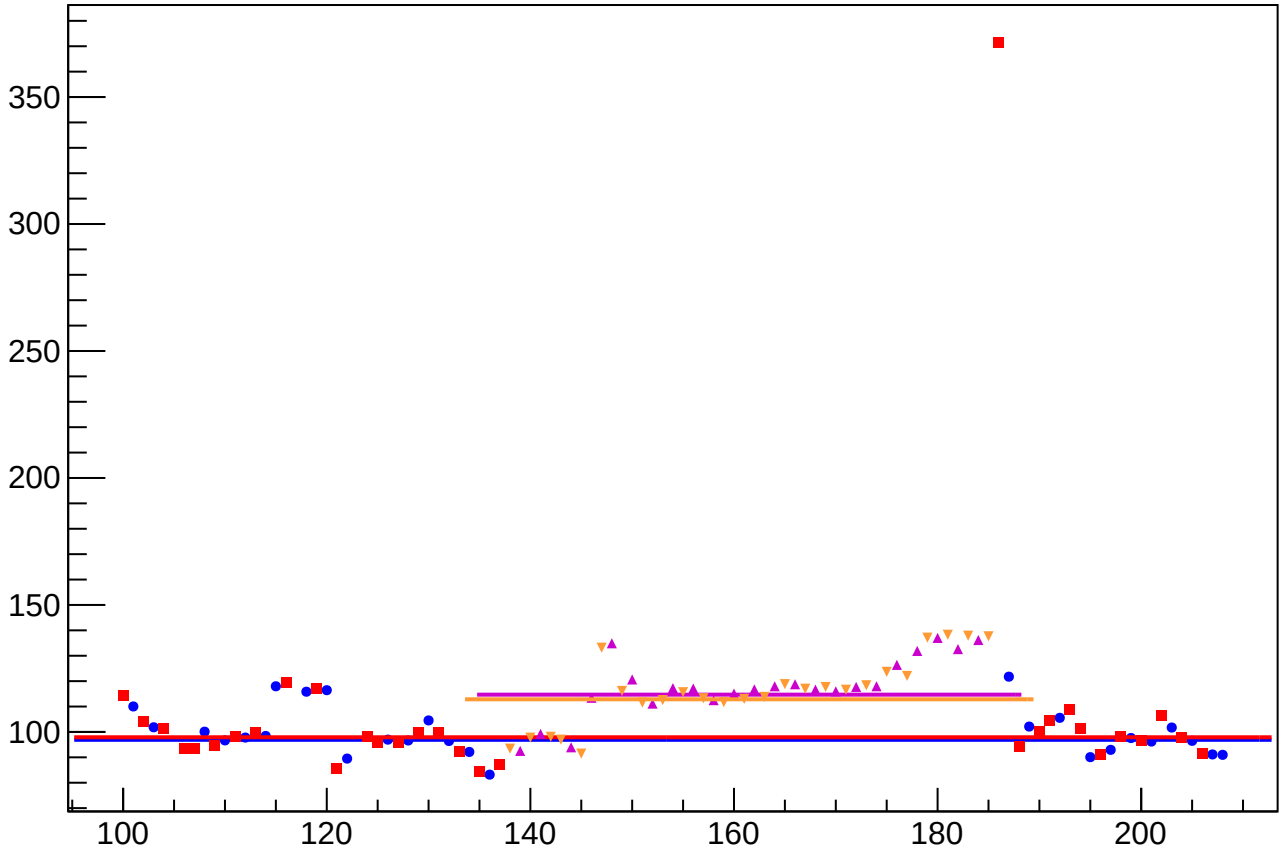
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -97.752+/-17.748 χ^2/NDF: 74.9/51

All: -10.503+/-12.664 χ^2/NDF: 191.2/105

- sign 79.986+/-18.075 χ^2/NDF: 67.1/53

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 96.902+/-0.017 χ^2/NDF: 204841.0/26

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

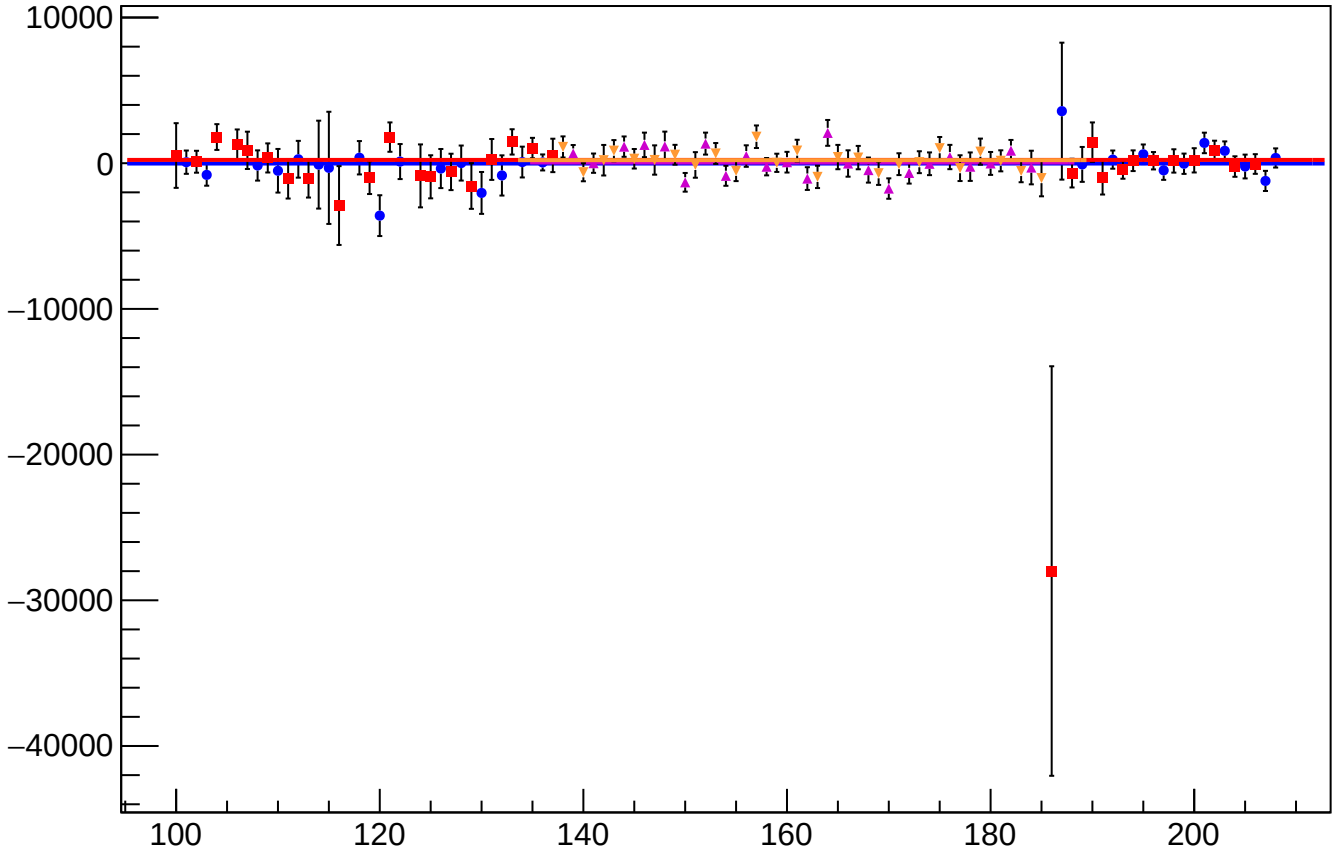
Right Out: 97.897+/-0.017 χ^2/NDF: 609584.4/30

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 104.437+/-0.013 χ^2/NDF: 1119593.8/51

All: 104.932+/-0.009 χ^2/NDF: 2568915.6/105

- sign 105.446+/-0.013 χ^2/NDF: 1446150.1/53



Right In: -22.412+/-170.991 χ^2/NDF: 21.8/26

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 226.370+/-170.203 χ^2/NDF: 27.0/30

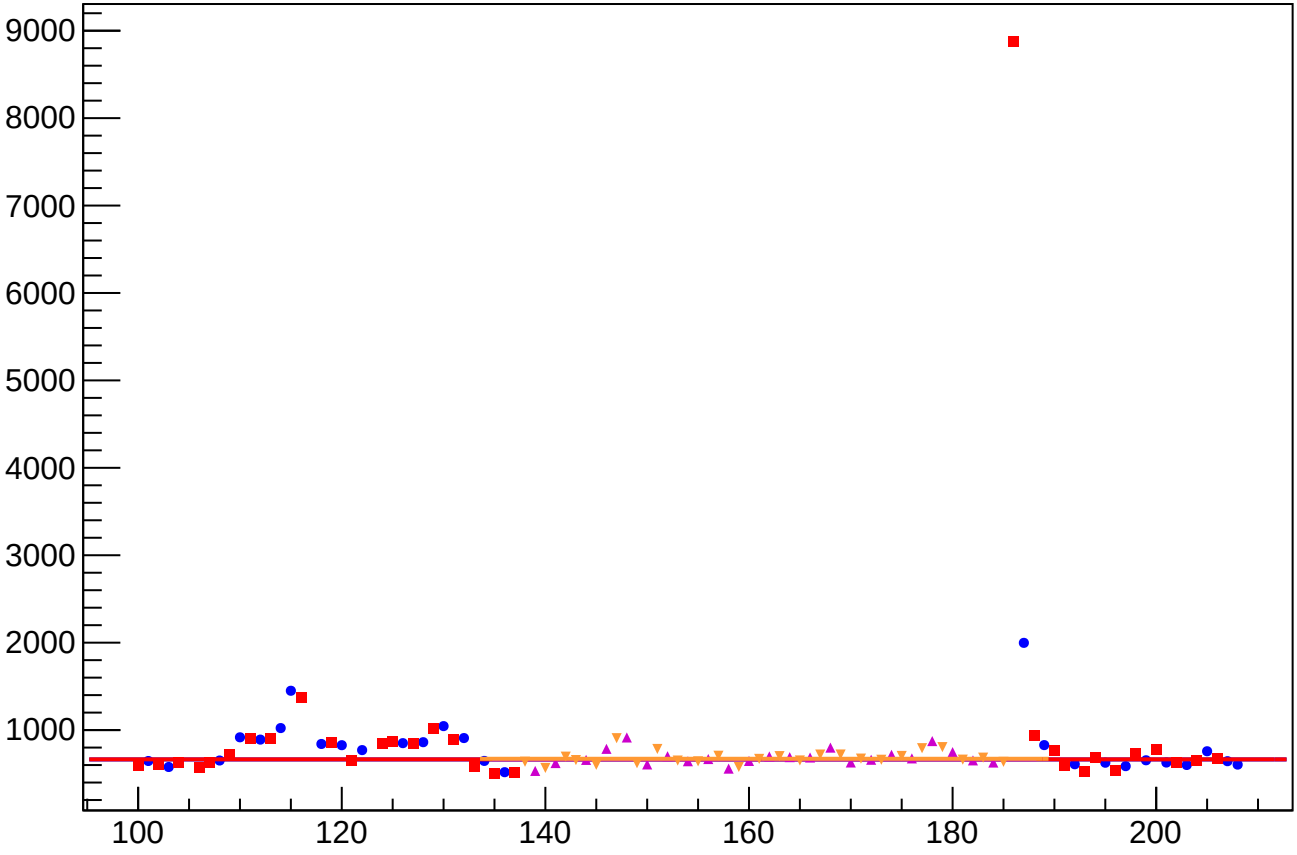
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

\+ sign 105.623+/-114.401 χ^2/NDF: 41.7/51

All: 118.425+/-81.312 χ^2/NDF: 102.6/105

\- sign 131.494+/-115.594 χ^2/NDF: 60.9/53

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 663.937+/-0.121 χ^2/NDF: 1105908.9/26

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 665.261+/-0.120 χ^2/NDF: 1888705.1/30

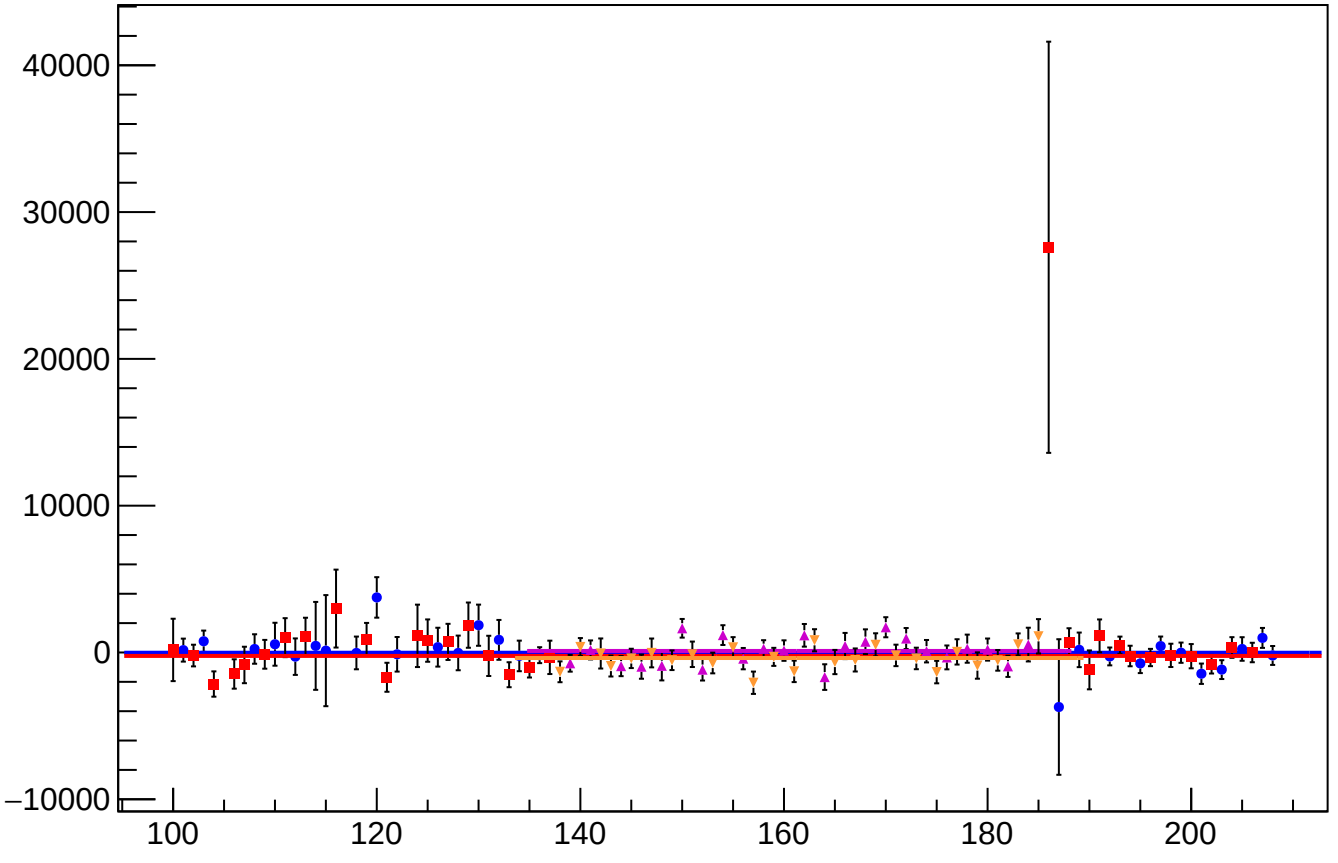
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 668.307+/-0.081 χ^2/NDF: 1507434.7/51

All: 667.355+/-0.057 χ^2/NDF: 3943486.8/105

- sign 666.382+/-0.082 χ^2/NDF: 2435771.9/53

asym_sam_15_dd_mean vs Slug



Right In: -17.883+/-167.982 χ^2/NDF: 23.8/26

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -234.745+/-166.762 χ^2/NDF: 30.3/30

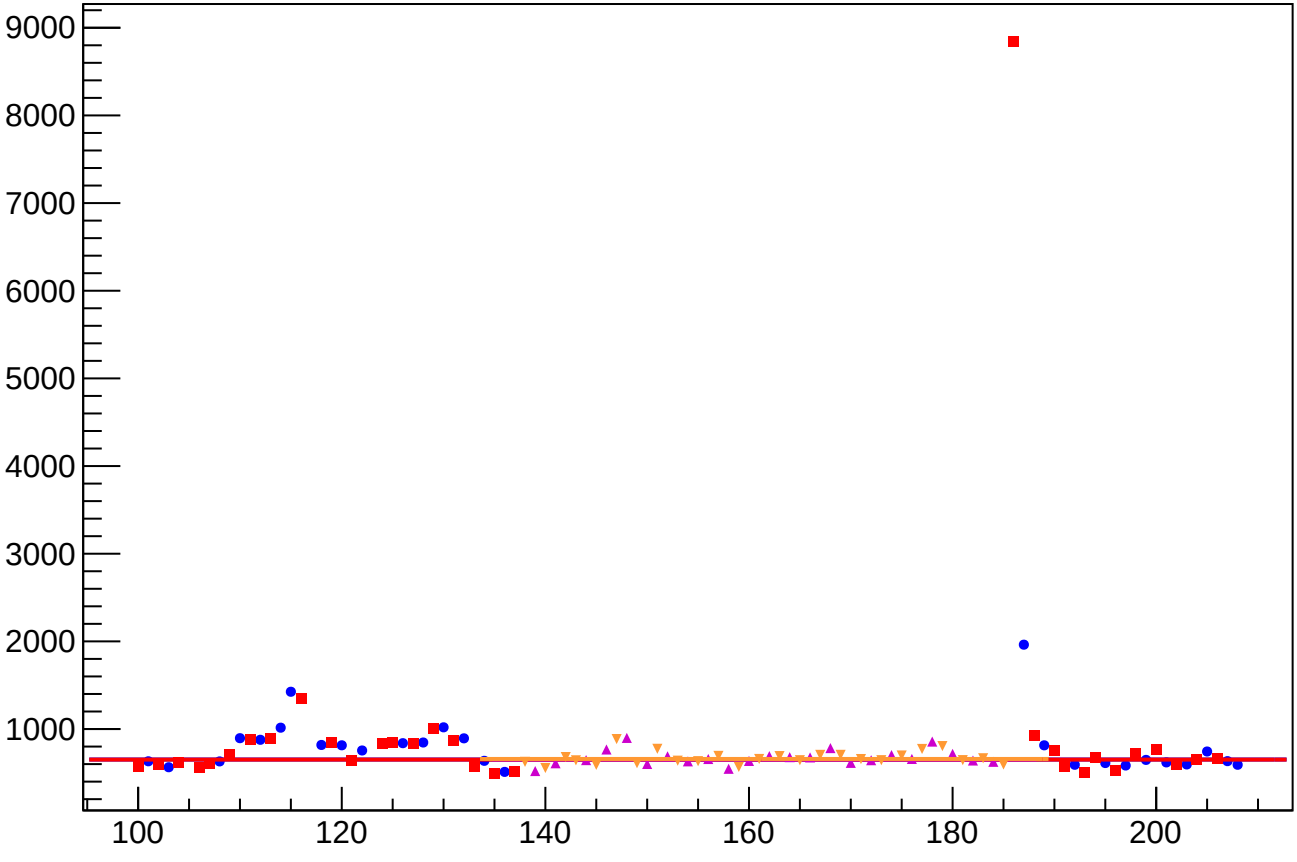
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -216.685+/-112.278 χ^2/NDF: 47.8/51

All: -135.388+/-79.741 χ^2/NDF: 116.9/105

- sign -52.648+/-113.270 χ^2/NDF: 68.1/53

asym_sam_15_dd_rms vs Slug



Right In: 652.268+/-0.119 χ^2/NDF: 1095923.6/26

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

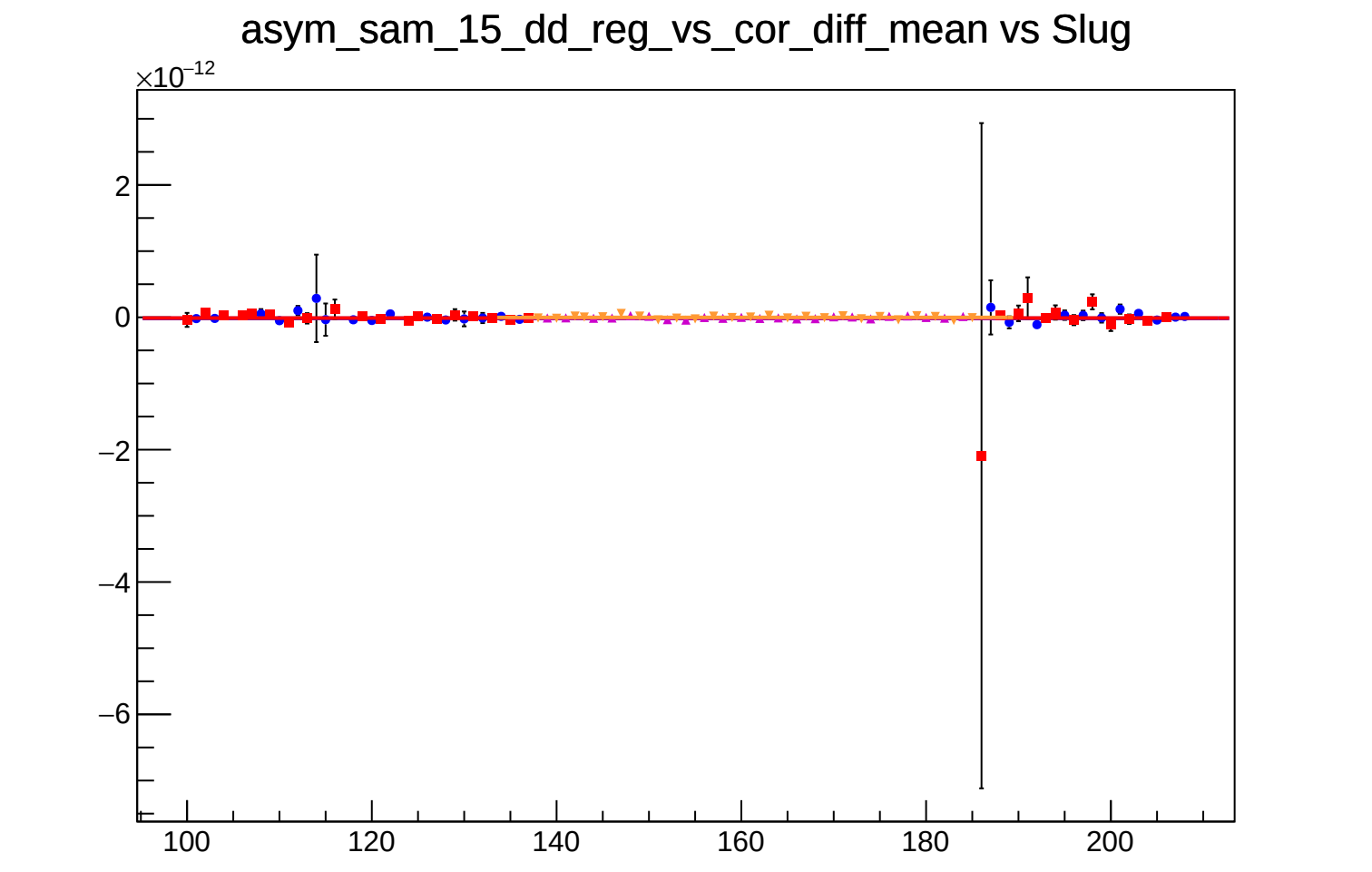
Right Out: 651.322+/-0.118 χ^2/NDF: 1927542.9/30

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 655.811+/-0.079 χ^2/NDF: 1507216.3/51

All: 654.288+/-0.056 χ^2/NDF: 3977847.6/105

- sign 652.738+/-0.080 χ^2/NDF: 2469888.6/53



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

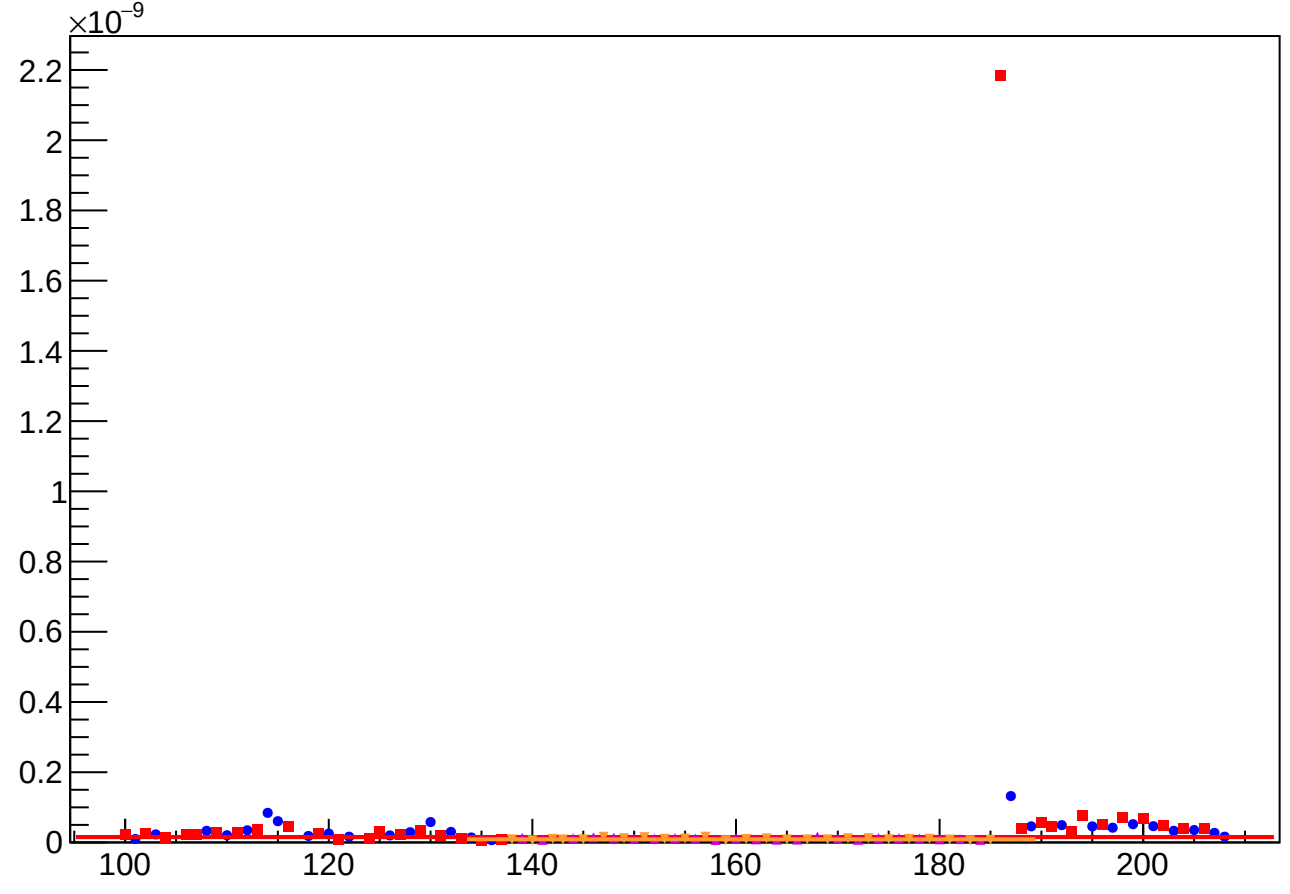
Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/30

Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.7/51

All: -0.000+/-0.000 χ^2/NDF: 98.6/105

- sign -0.000+/-0.000 χ^2/NDF: 42.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 5636618.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7075250.6/30

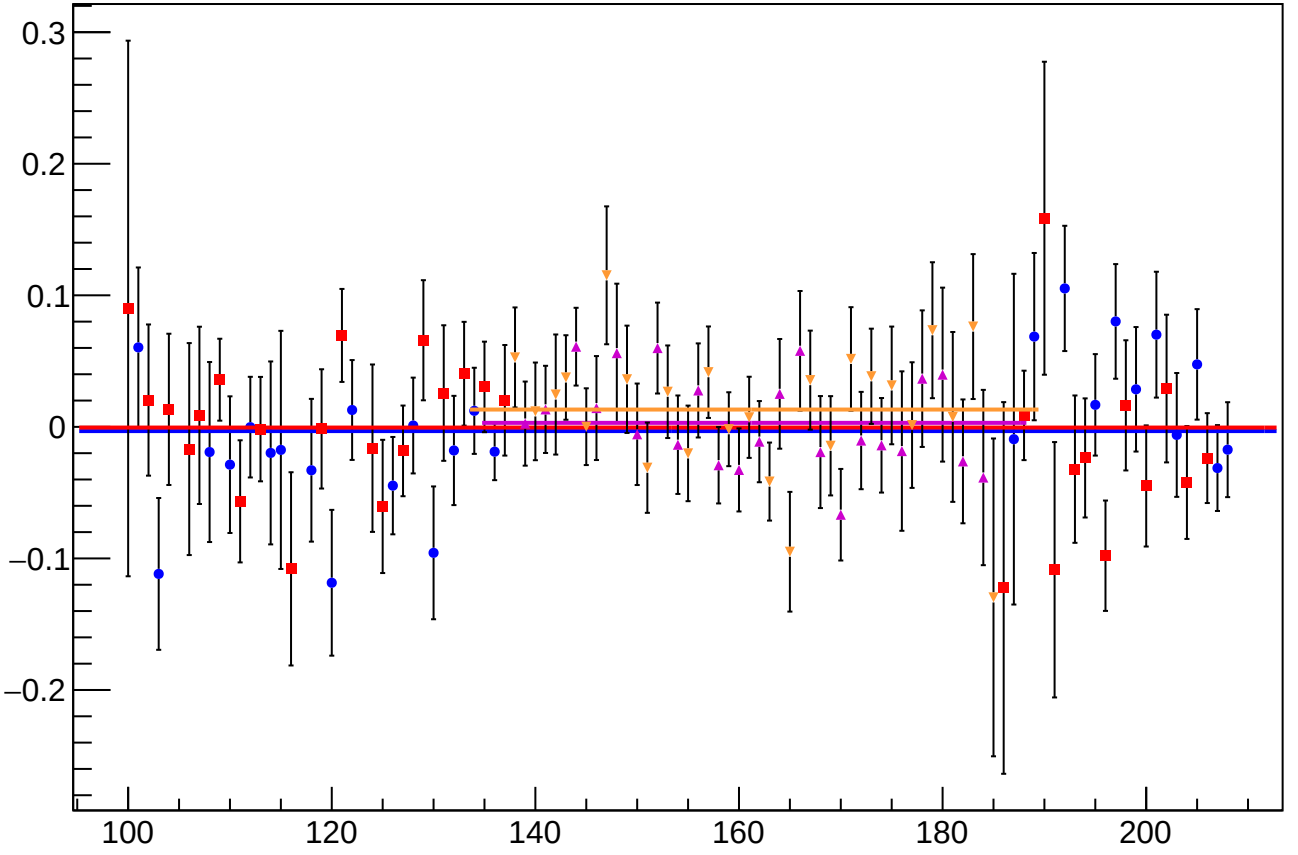
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7943416.0/51

All: 0.000+/-0.000 χ^2/NDF: 16648557.0/105

- sign 0.000+/-0.000 χ^2/NDF: 8566765.6/53

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.008 χ^2/NDF: 30.9/26

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.001+/-0.008 χ^2/NDF: 28.1/30

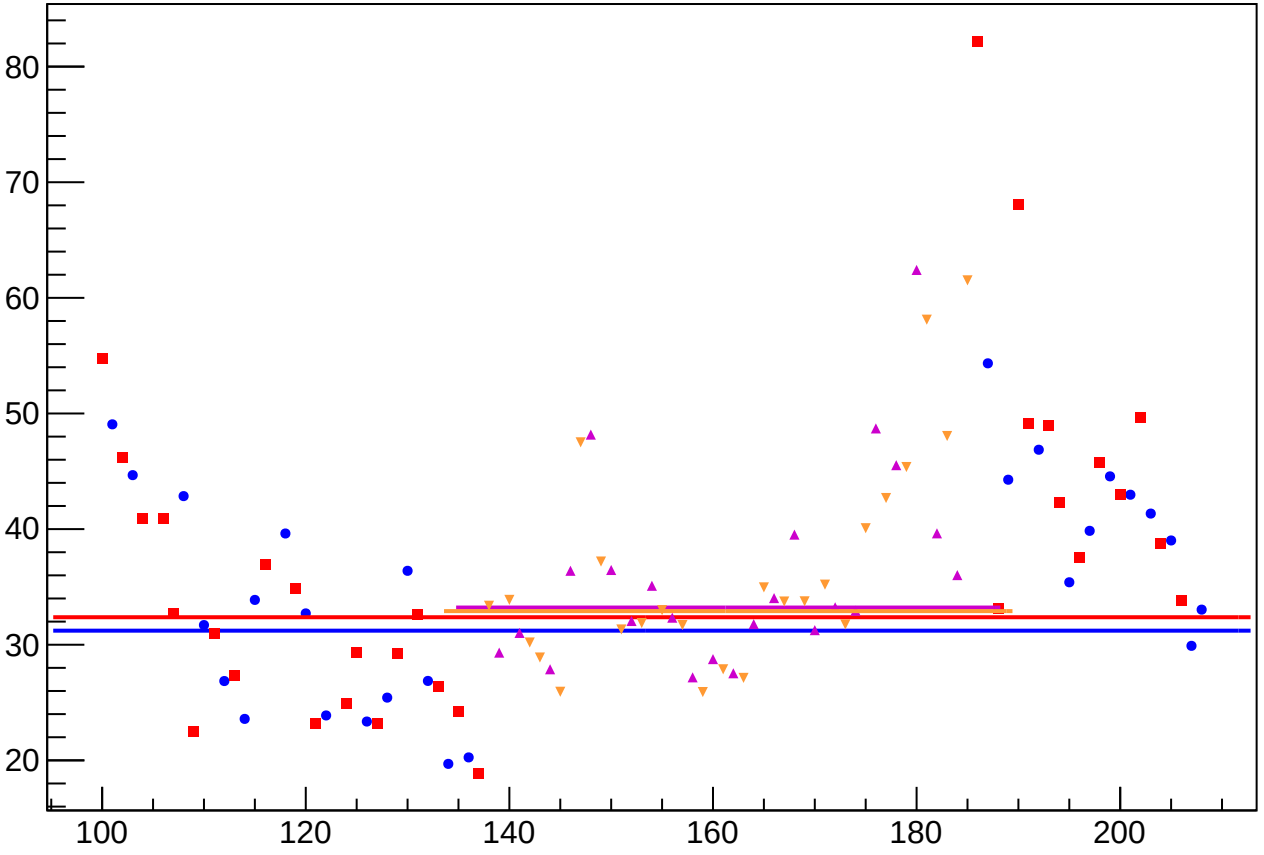
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 58.3/51

All: 0.004+/-0.004 χ^2/NDF: 106.0/105

- sign 0.001+/-0.006 χ^2/NDF: 47.4/53

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.217+/-0.006 χ^2/NDF: 2380101.6/26

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

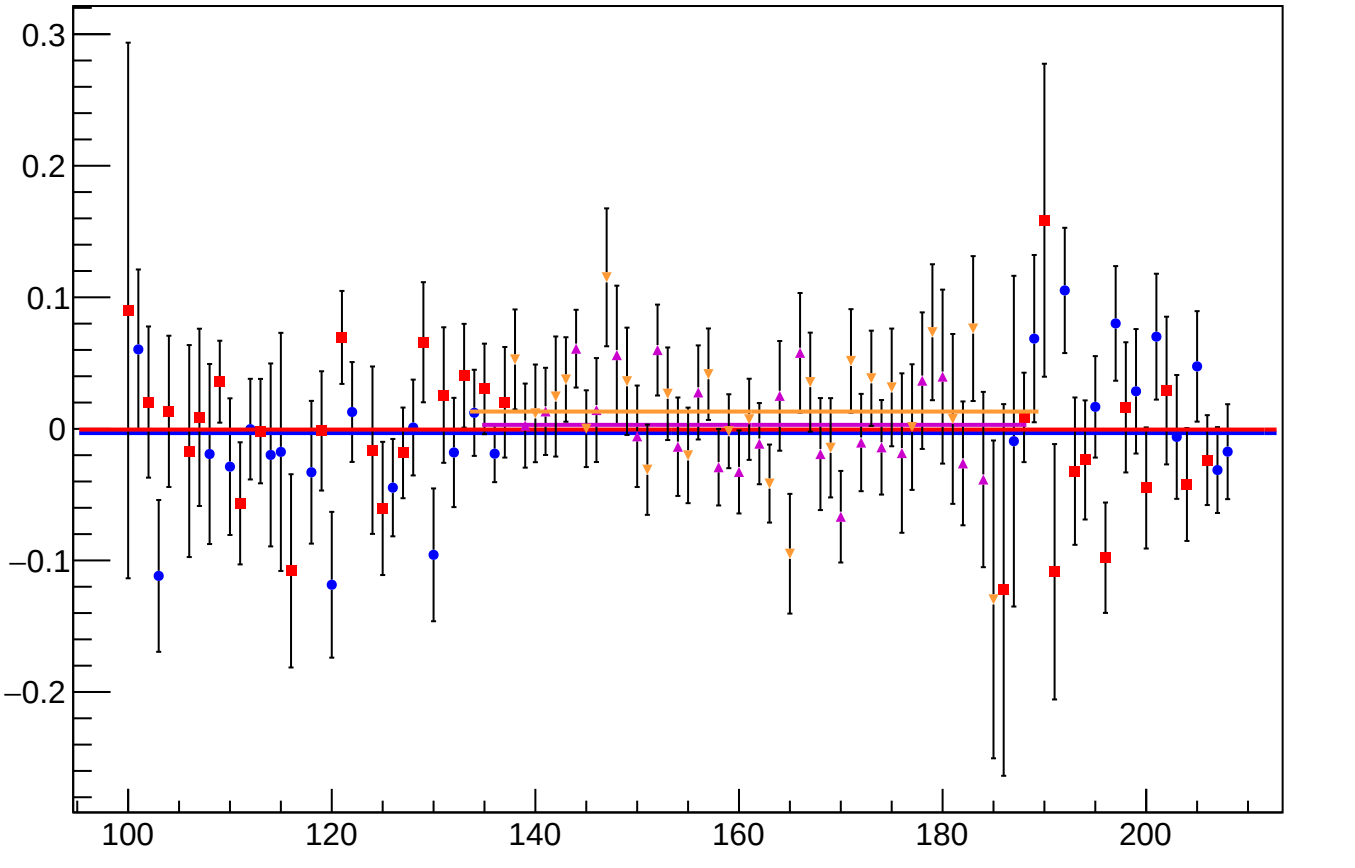
Right Out: 32.379+/-0.006 χ^2/NDF: 2420104.2/30

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 32.125+/-0.004 χ^2/NDF: 3852900.1/51

All: 32.463+/-0.003 χ^2/NDF: 7519797.7/105

\- sign 32.822+/-0.004 χ^2/NDF: 3651988.5/53



Right In: -0.003+/-0.008 χ^2/NDF: 30.9/26

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

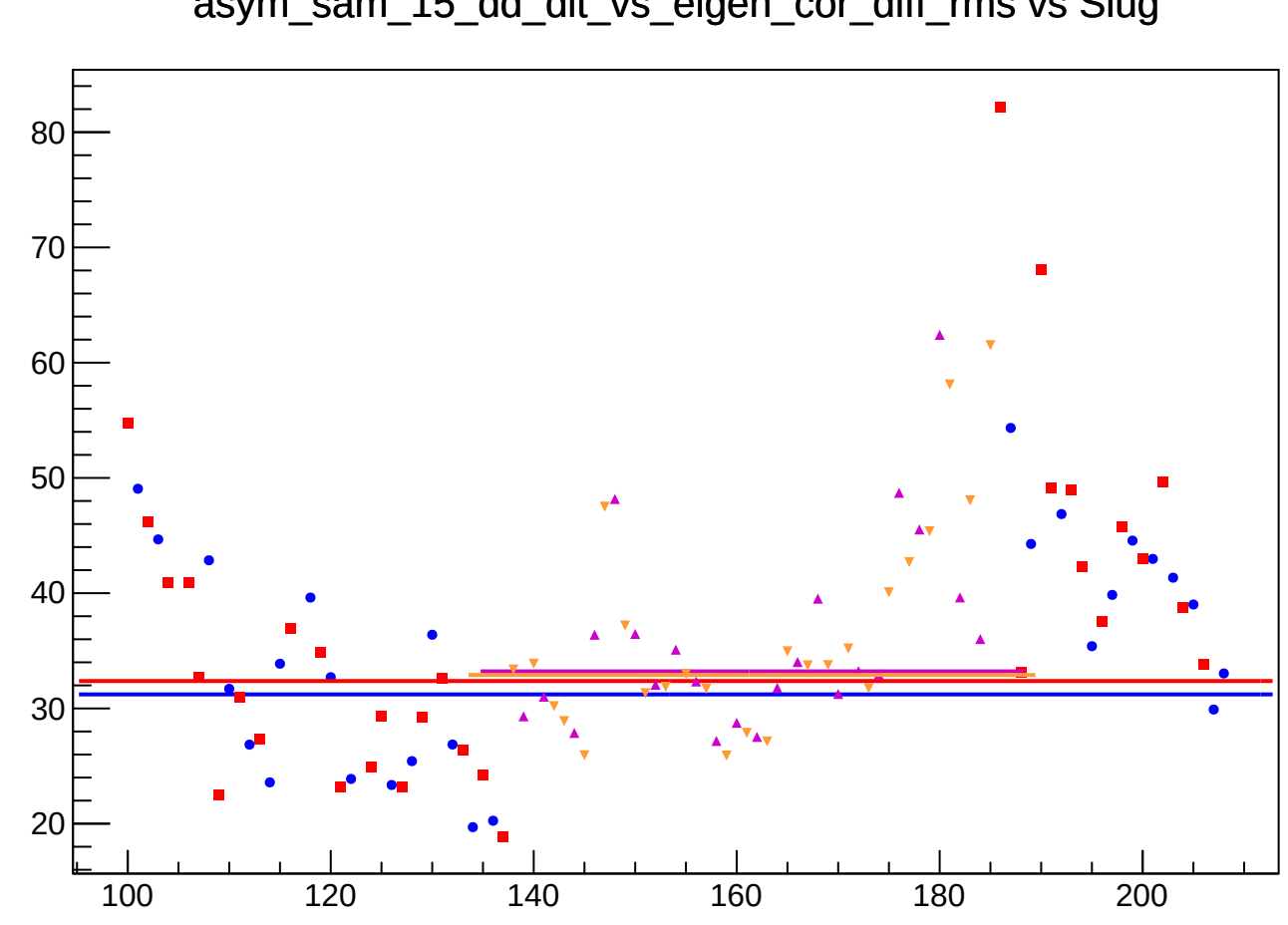
Right Out: -0.001+/-0.008 χ^2/NDF: 28.1/30

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 58.3/51

All: 0.004+/-0.004 χ^2/NDF: 106.0/105

- sign 0.001+/-0.006 χ^2/NDF: 47.4/53



Right In: 31.217+/-0.006 χ^2/NDF: 2380101.6/26

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

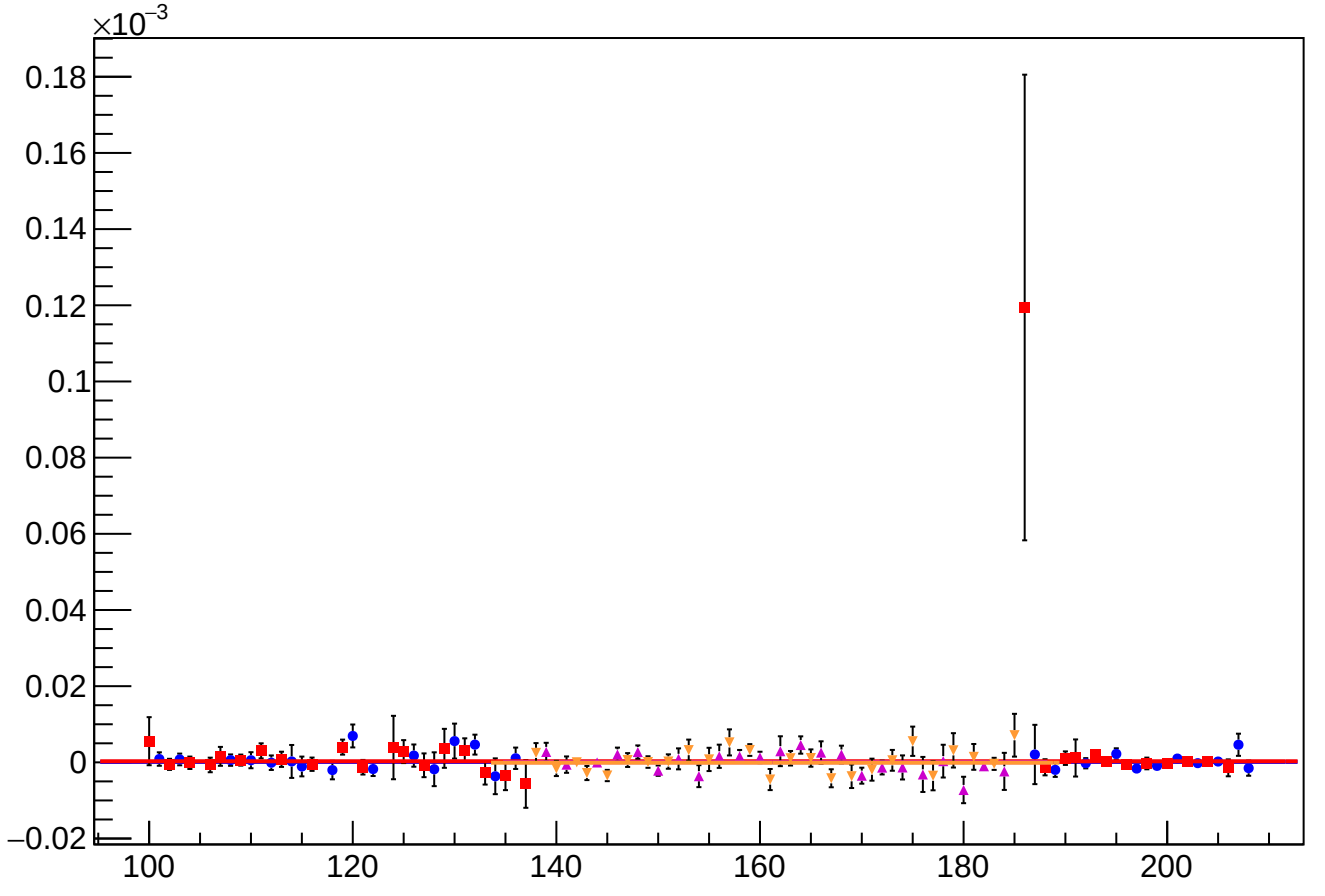
Right Out: 32.379+/-0.006 χ^2/NDF: 2420104.2/30

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 32.125+/-0.004 χ^2/NDF: 3852900.1/51

All: 32.463+/-0.003 χ^2/NDF: 7519797.7/105

\- sign 32.822+/-0.004 χ^2/NDF: 3651988.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 24.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/30

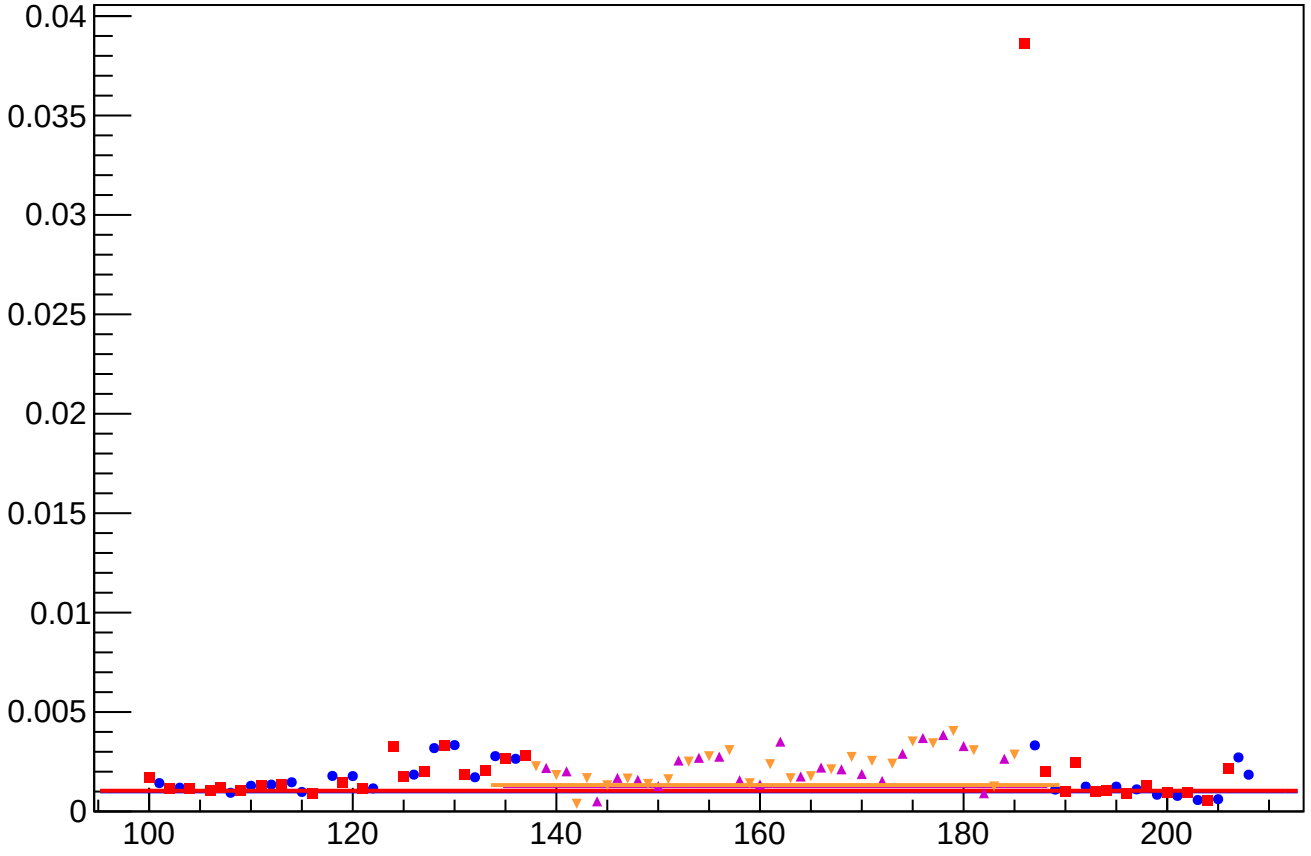
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.6/51

All: 0.000+/-0.000 χ^2/NDF: 104.8/105

- sign 0.000+/-0.000 χ^2/NDF: 49.0/53

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5773760.1/26

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

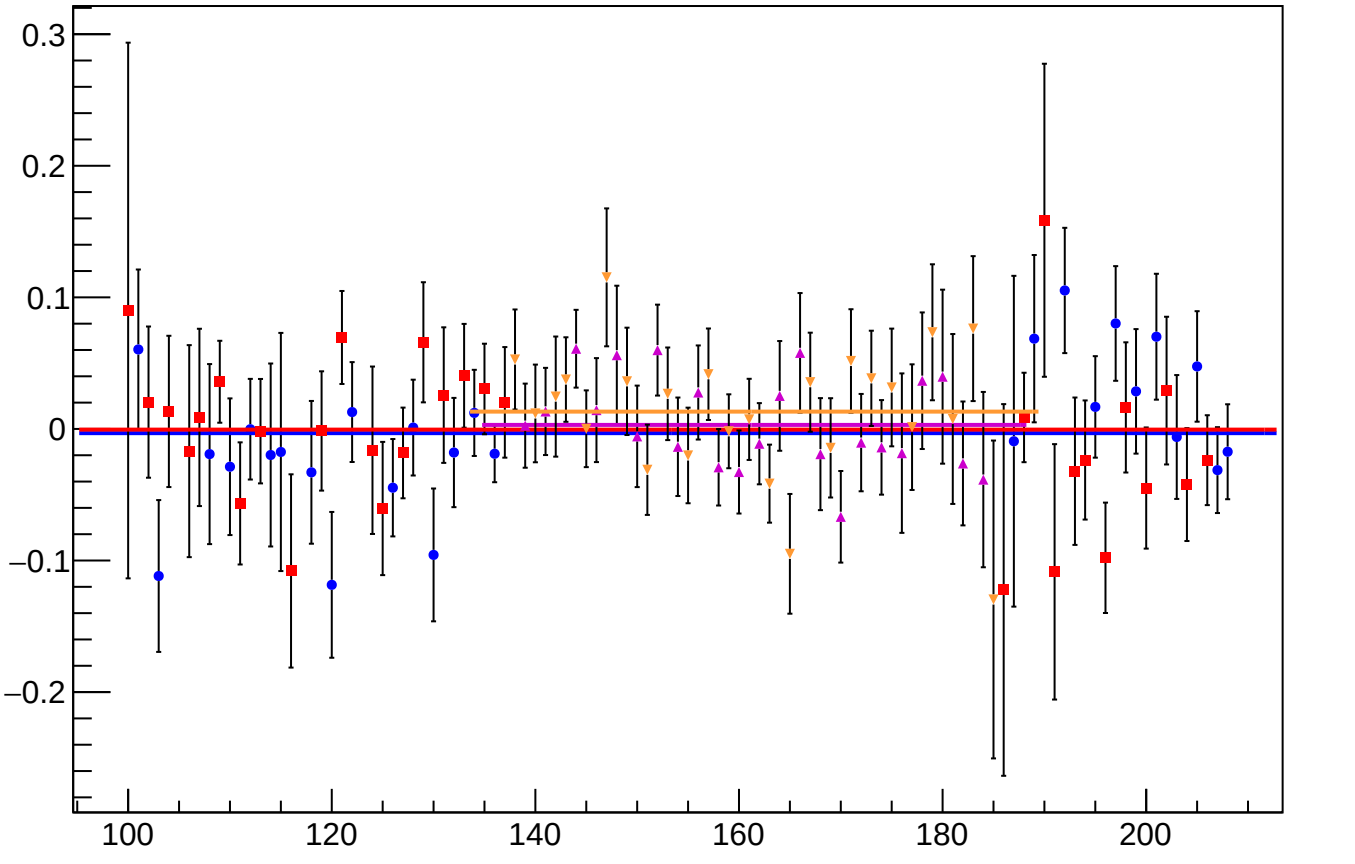
Right Out: 0.001+/-0.000 χ^2/NDF: 5419234.7/30

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 17842964.8/51

All: 0.001+/-0.000 χ^2/NDF: 33655819.2/105

- sign 0.001+/-0.000 χ^2/NDF: 15812802.8/53



Right In: -0.003+/-0.008 χ^2/NDF: 30.9/26

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

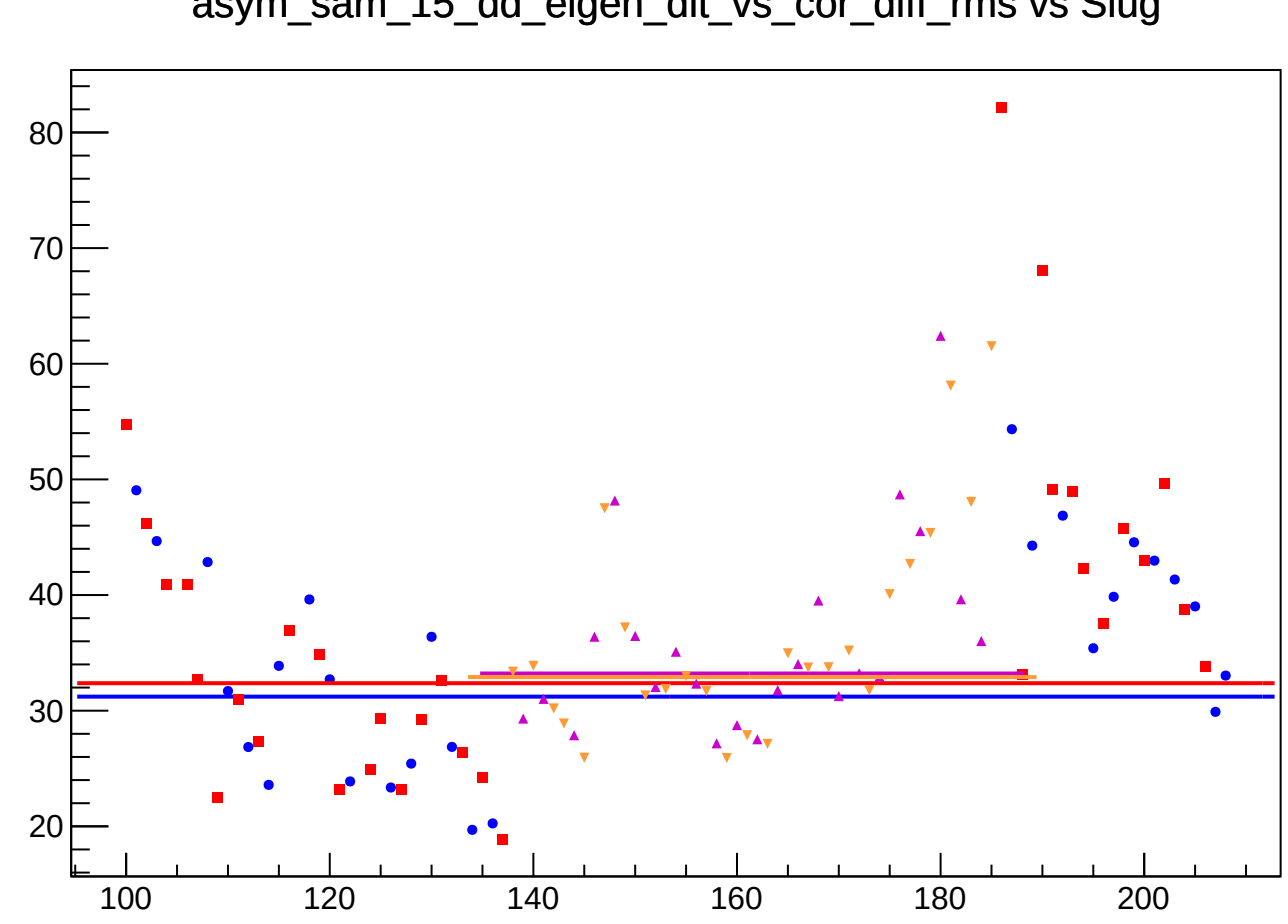
Right Out: -0.001+/-0.008 χ^2/NDF: 28.1/30

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 58.3/51

All: 0.004+/-0.004 χ^2/NDF: 106.0/105

- sign 0.001+/-0.006 χ^2/NDF: 47.4/53



Right In: 31.216+/-0.006 χ^2/NDF: 2380302.1/26

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

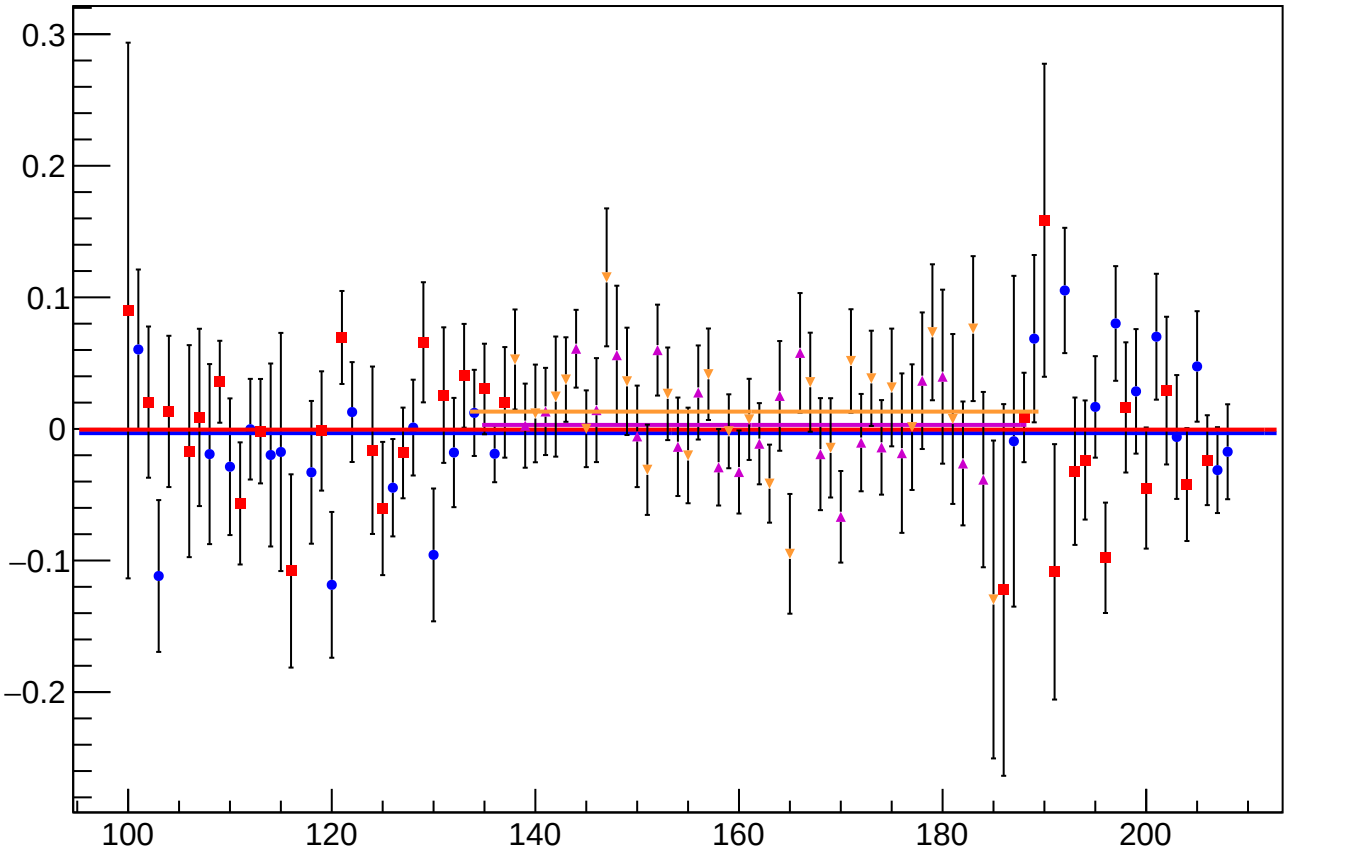
Right Out: 32.378+/-0.006 χ^2/NDF: 2420428.3/30

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 32.124+/-0.004 χ^2/NDF: 3853214.1/51

All: 32.463+/-0.003 χ^2/NDF: 7520531.9/105

- sign 32.821+/-0.004 χ^2/NDF: 3652411.0/53



Right In: -0.003+/-0.008 χ^2/NDF: 30.9/26

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

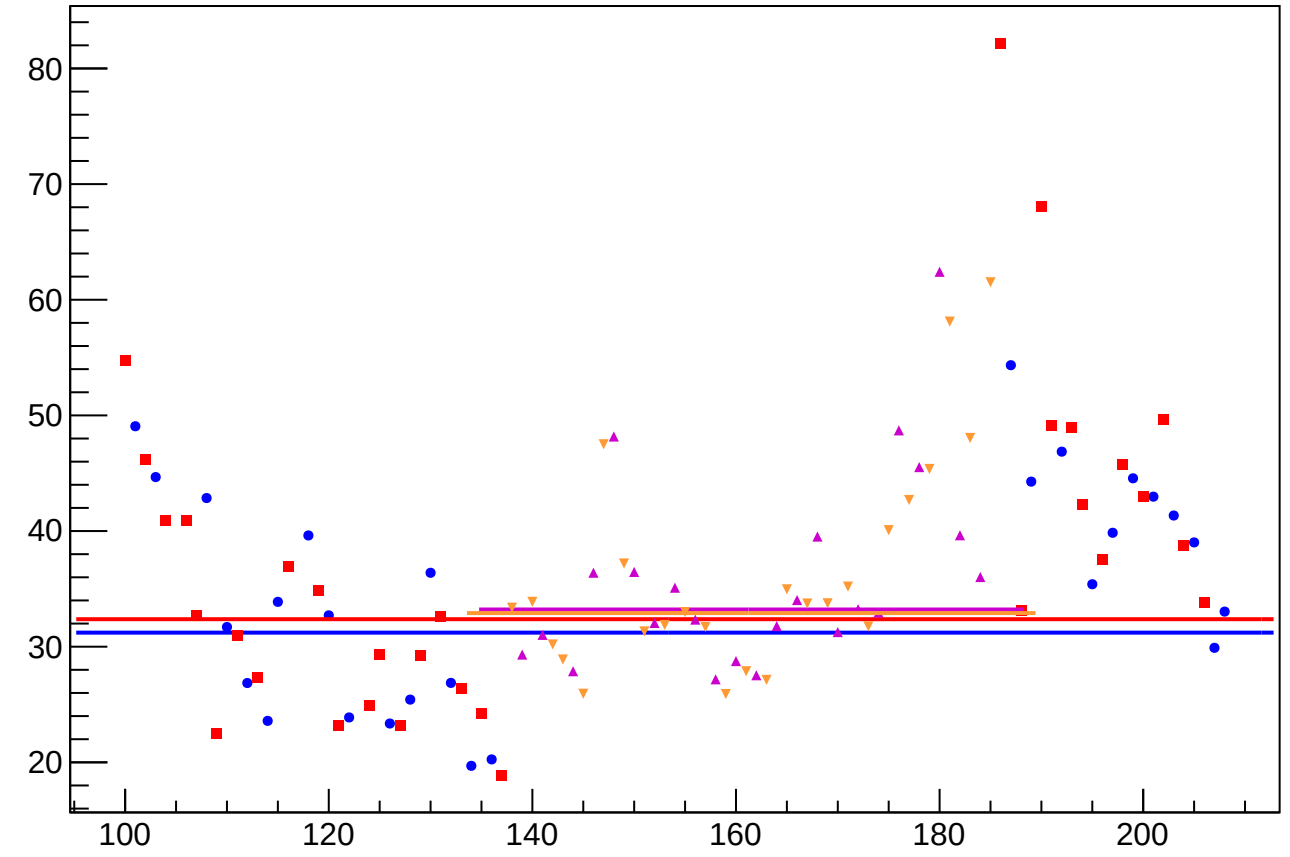
Right Out: -0.001+/-0.008 χ^2/NDF: 28.1/30

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 58.3/51

All: 0.004+/-0.004 χ^2/NDF: 106.0/105

- sign 0.001+/-0.006 χ^2/NDF: 47.4/53



Right In: 31.216+/-0.006 χ^2/NDF: 2380302.1/26

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

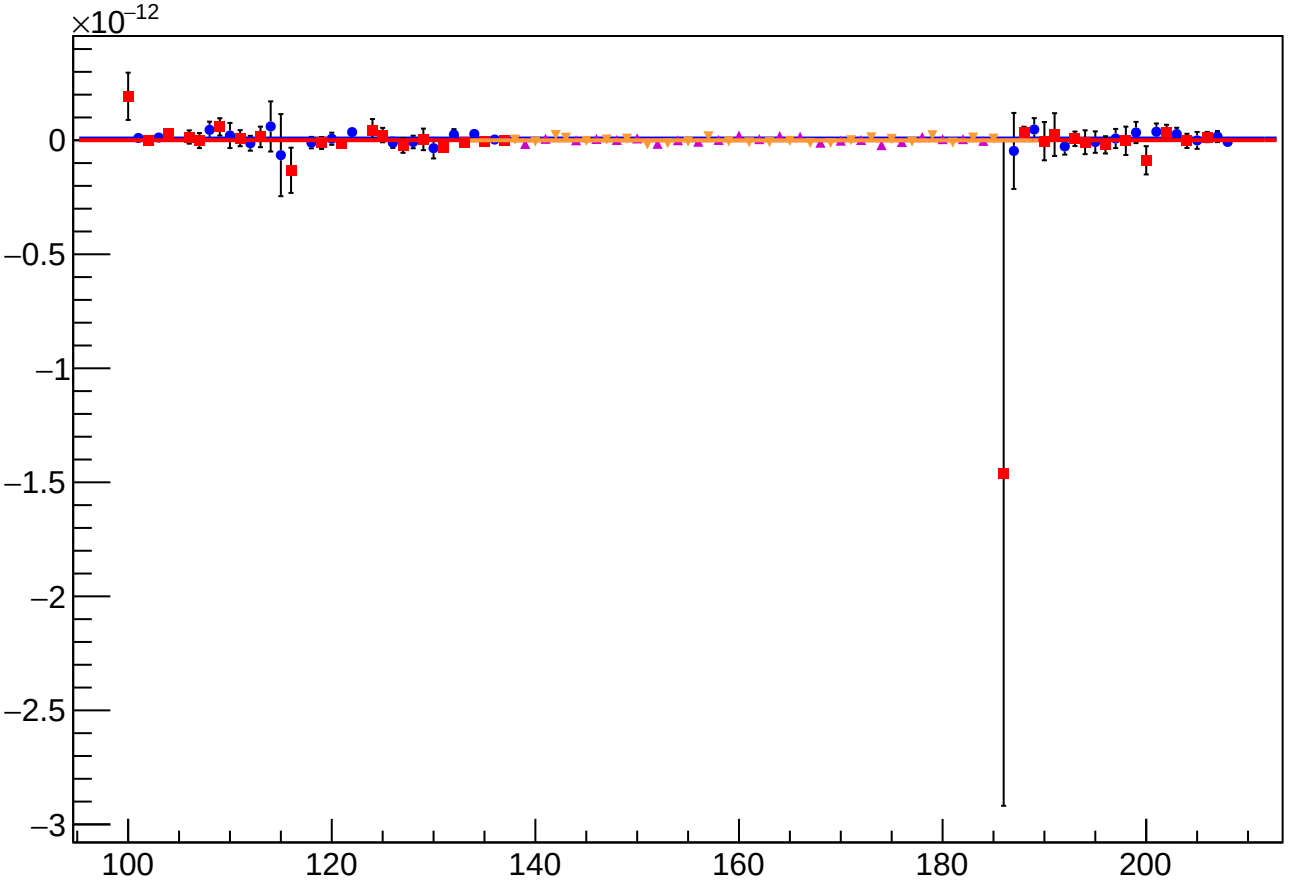
Right Out: 32.378+/-0.006 χ^2/NDF: 2420428.3/30

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 32.124+/-0.004 χ^2/NDF: 3853214.1/51

All: 32.463+/-0.003 χ^2/NDF: 7520531.9/105

- sign 32.821+/-0.004 χ^2/NDF: 3652411.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 12.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

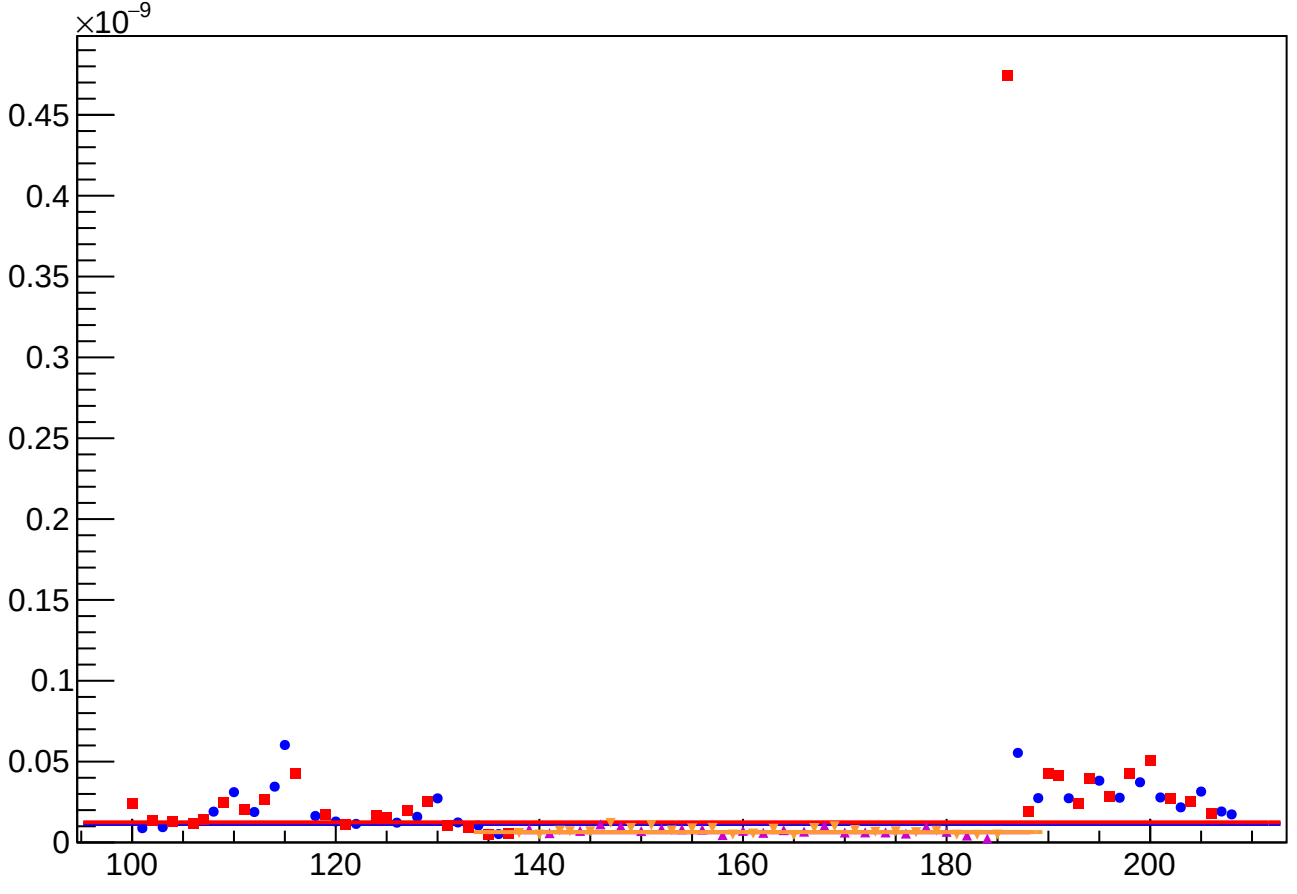
Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/30

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.2/51

All: 0.000+/-0.000 χ^2/NDF: 93.2/105

- sign 0.000+/-0.000 χ^2/NDF: 47.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 6927311.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7164051.9/30

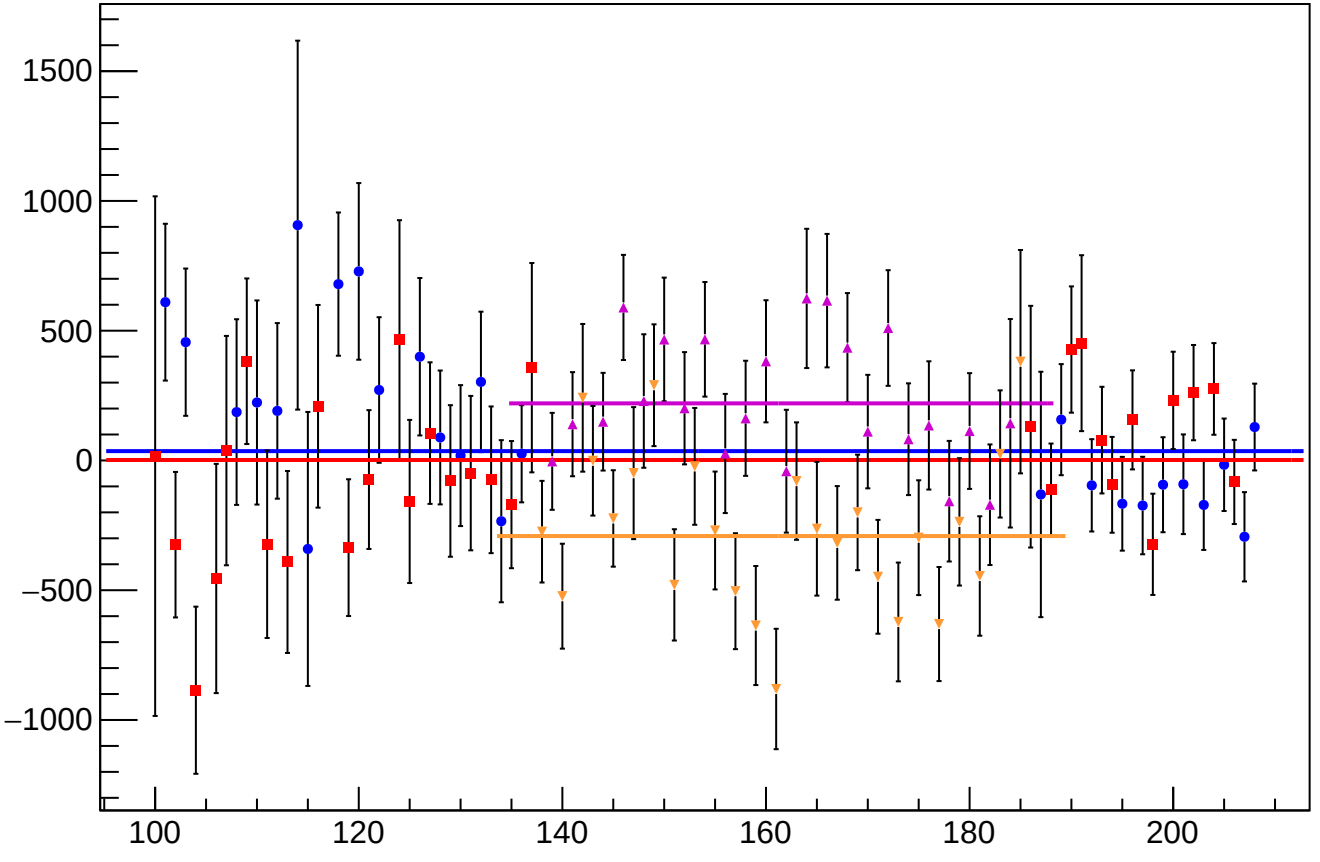
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 11237212.3/51

All: 0.000+/-0.000 χ^2/NDF: 23686574.3/105

- sign 0.000+/-0.000 χ^2/NDF: 12449361.0/53

reg_asym_sam_26_dd_mean vs Slug



Right In: 35.964+/-45.336 χ^2/NDF: 31.9/26

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 1.836+/-45.747 χ^2/NDF: 33.7/30

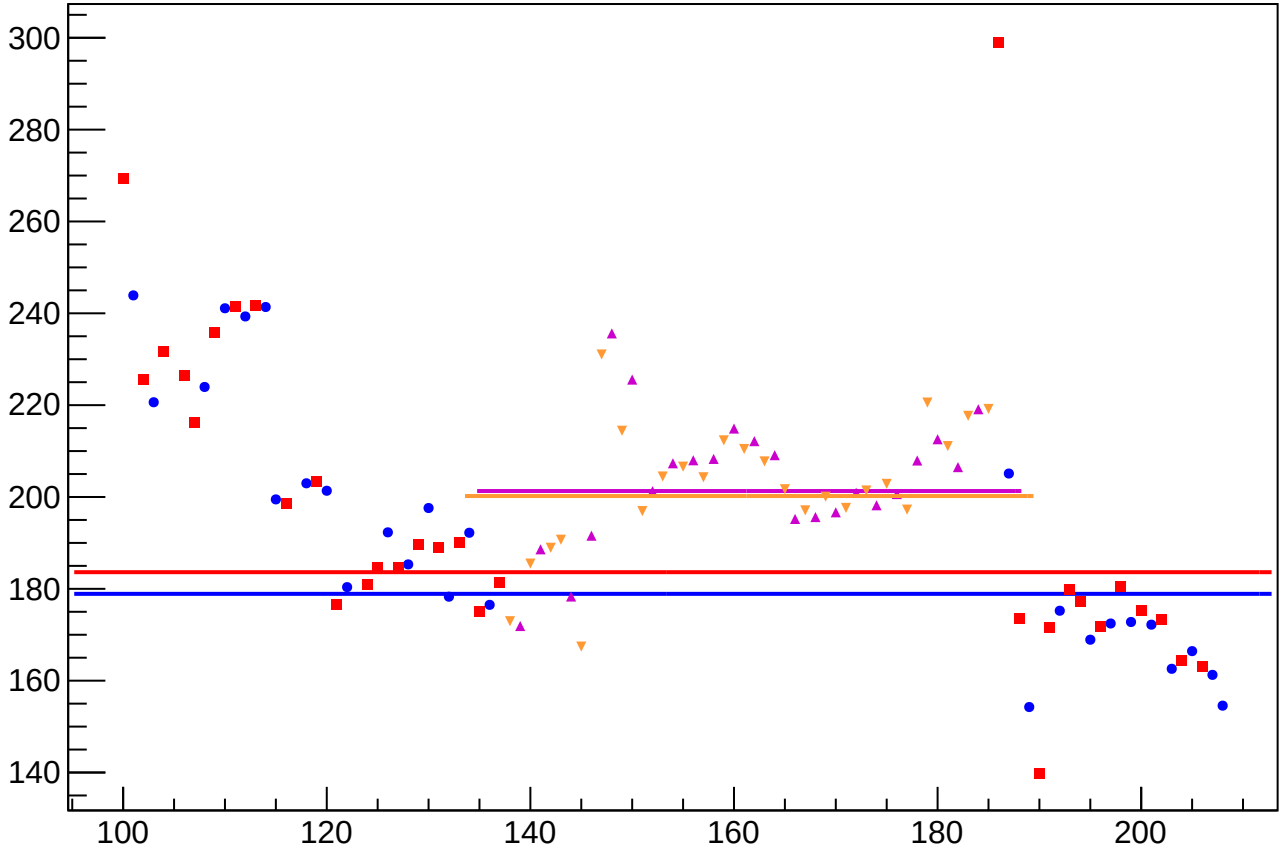
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -126.676+/-32.155 χ^2/NDF: 94.1/51

All: -11.965+/-22.973 χ^2/NDF: 188.6/105

- sign 107.622+/-32.831 χ^2/NDF: 68.5/53

reg_asym_sam_26_dd_rms vs Slug



Right In: 178.908+/-0.032 χ^2/NDF: 480017.7/26

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 183.627+/-0.032 χ^2/NDF: 588287.1/30

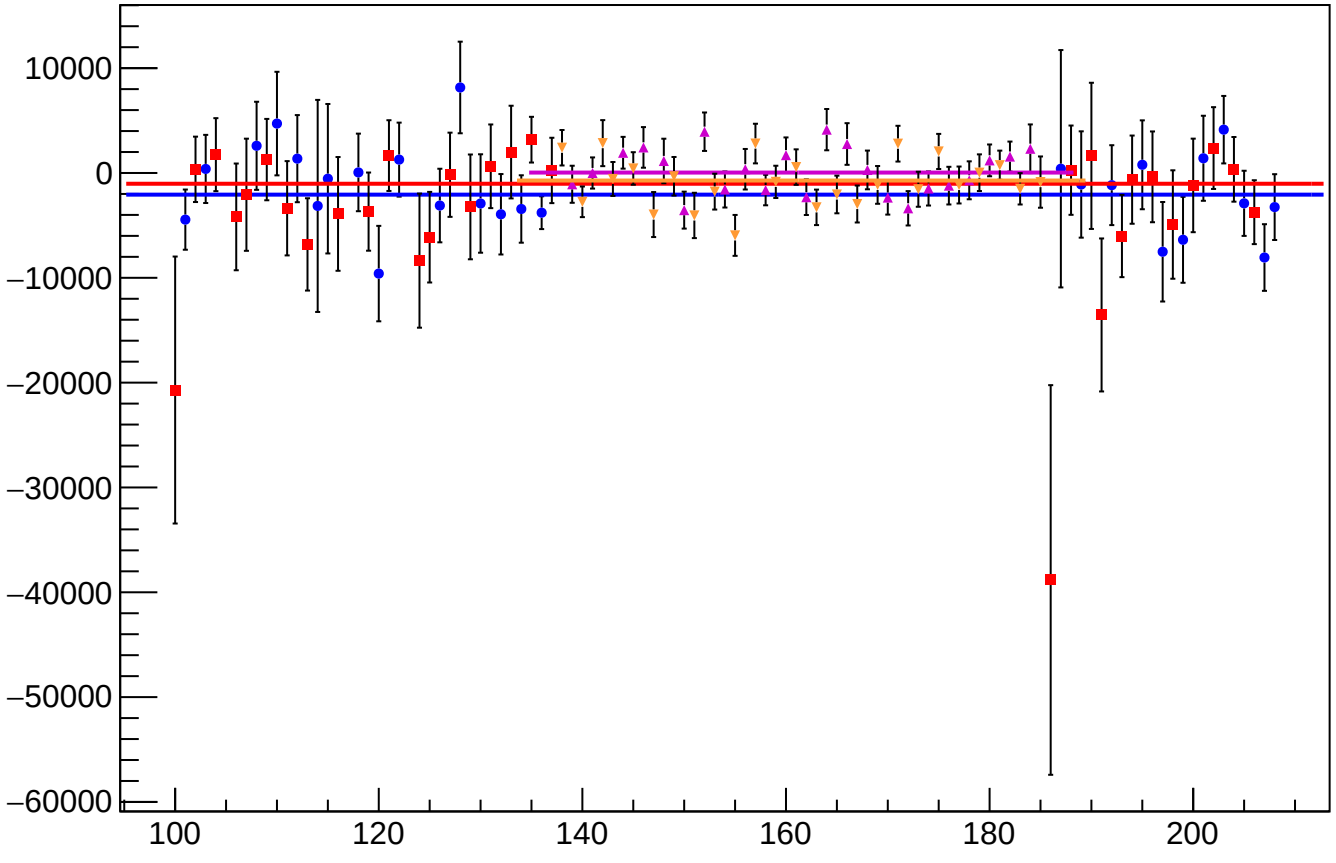
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 189.494+/-0.023 χ^2/NDF: 903840.6/51

All: 190.817+/-0.016 χ^2/NDF: 1825401.9/105

- sign 192.196+/-0.023 χ^2/NDF: 914646.2/53

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -2066.456+/-691.476 χ^2/NDF: 27.5/26

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -1027.182+/-730.949 χ^2/NDF: 26.2/30

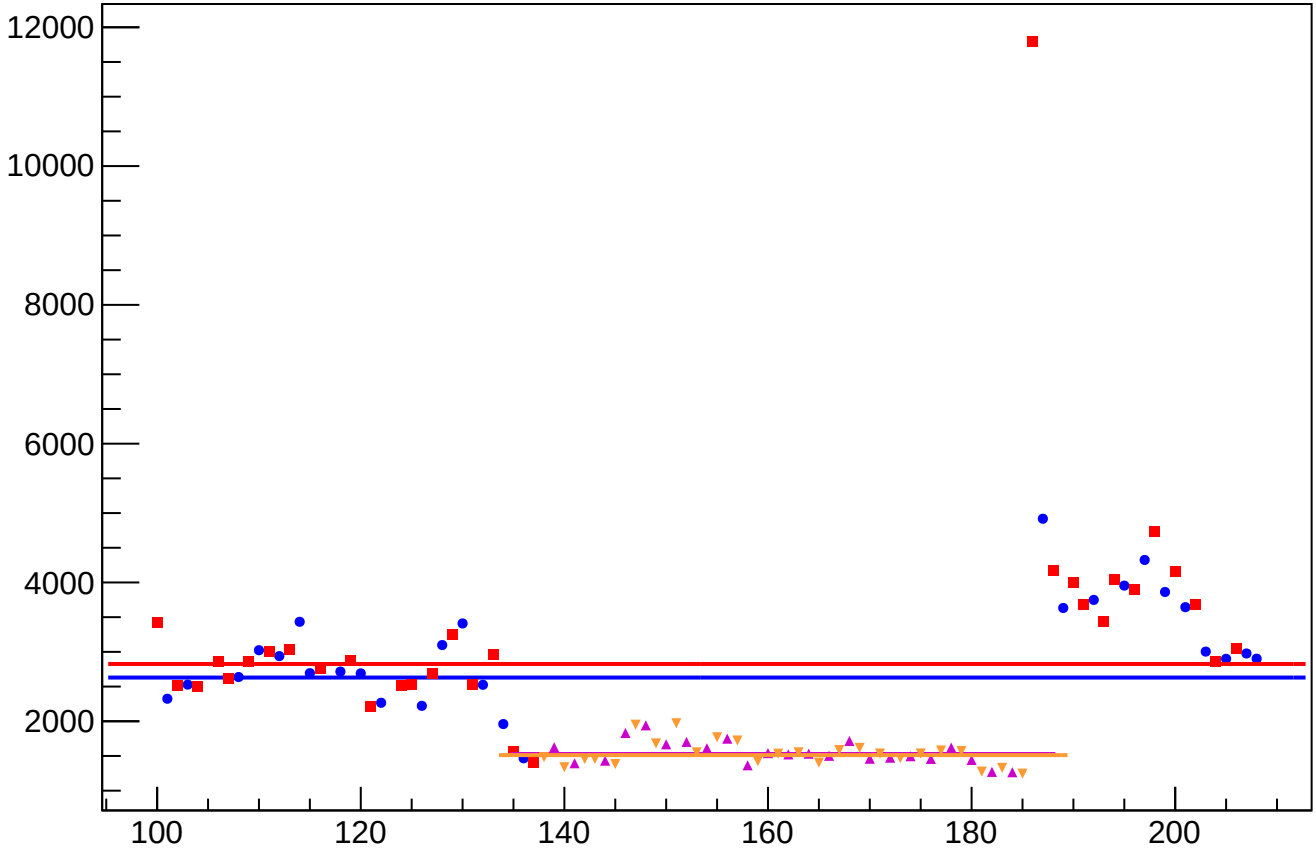
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -990.646+/-309.694 χ^2/NDF: 68.8/51

All: -595.993+/-223.352 χ^2/NDF: 134.5/105

- sign -168.227+/-322.425 χ^2/NDF: 62.3/53

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2629.850+/-0.489 χ^2/NDF: 2553923.8/26

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

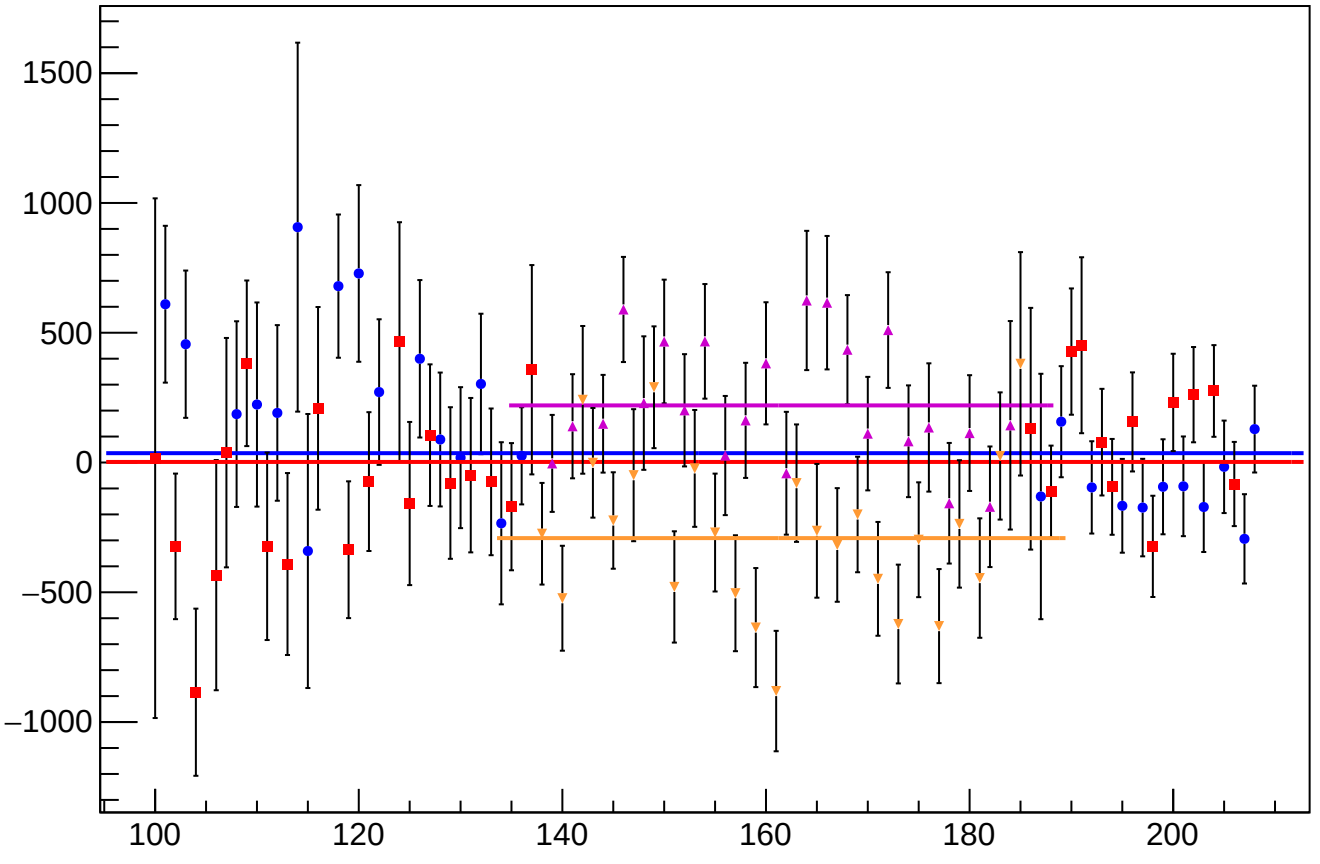
Right Out: 2825.501+/-0.517 χ^2/NDF: 2901576.3/30

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1736.522+/-0.219 χ^2/NDF: 7172178.5/51

All: 1757.591+/-0.158 χ^2/NDF: 15542881.8/1

- sign 1780.429+/-0.228 χ^2/NDF: 8351411.8/53



Right In: 35.954+/-45.336 χ^2/NDF: 31.9/26

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 2.149+/-45.750 χ^2/NDF: 33.6/30

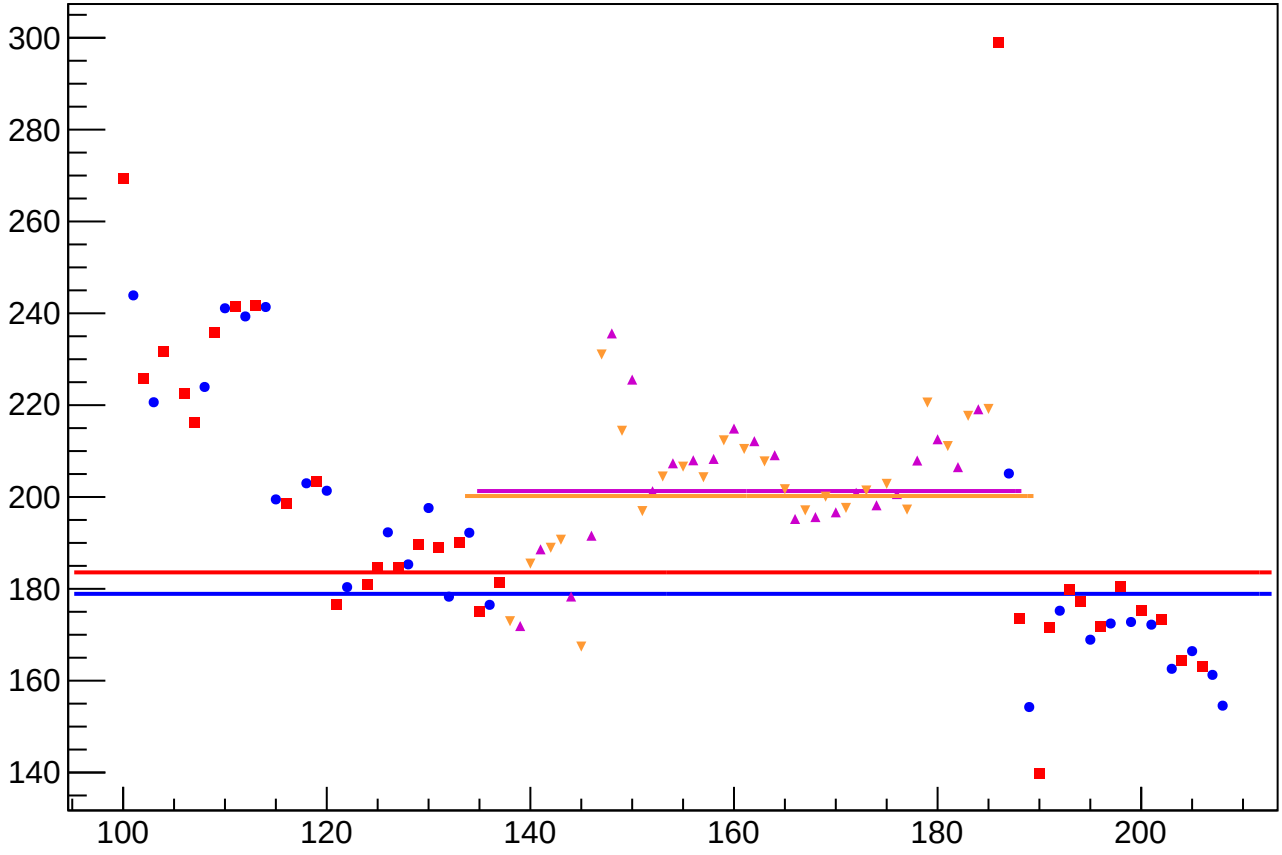
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -126.682+/-32.155 χ^2/NDF: 94.1/51

All: -11.887+/-22.973 χ^2/NDF: 188.5/105

- sign 107.793+/-32.832 χ^2/NDF: 68.3/53

cor_asym_sam_26_dd_rms vs Slug



Right In: 178.908+/-0.032 χ^2/NDF: 480018.2/26

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

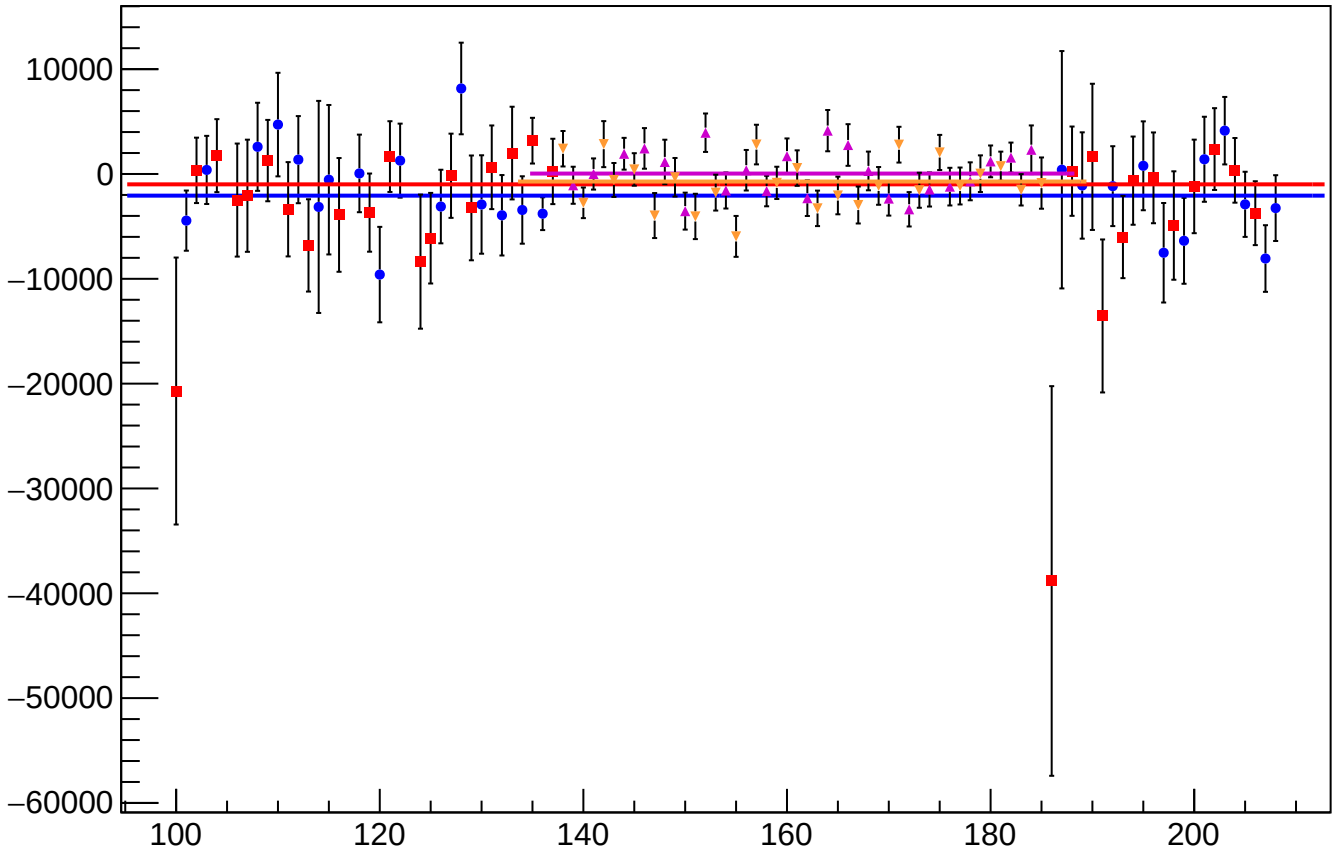
Right Out: 183.582+/-0.032 χ^2/NDF: 584975.5/30

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 189.494+/-0.023 χ^2/NDF: 903841.1/51

All: 190.806+/-0.016 χ^2/NDF: 1822698.9/105

- sign 192.174+/-0.023 χ^2/NDF: 912057.5/53



Right In: -2066.441+/-691.477 χ^2/NDF: 27.5/26

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -988.956+/-731.785 χ^2/NDF: 25.9/30

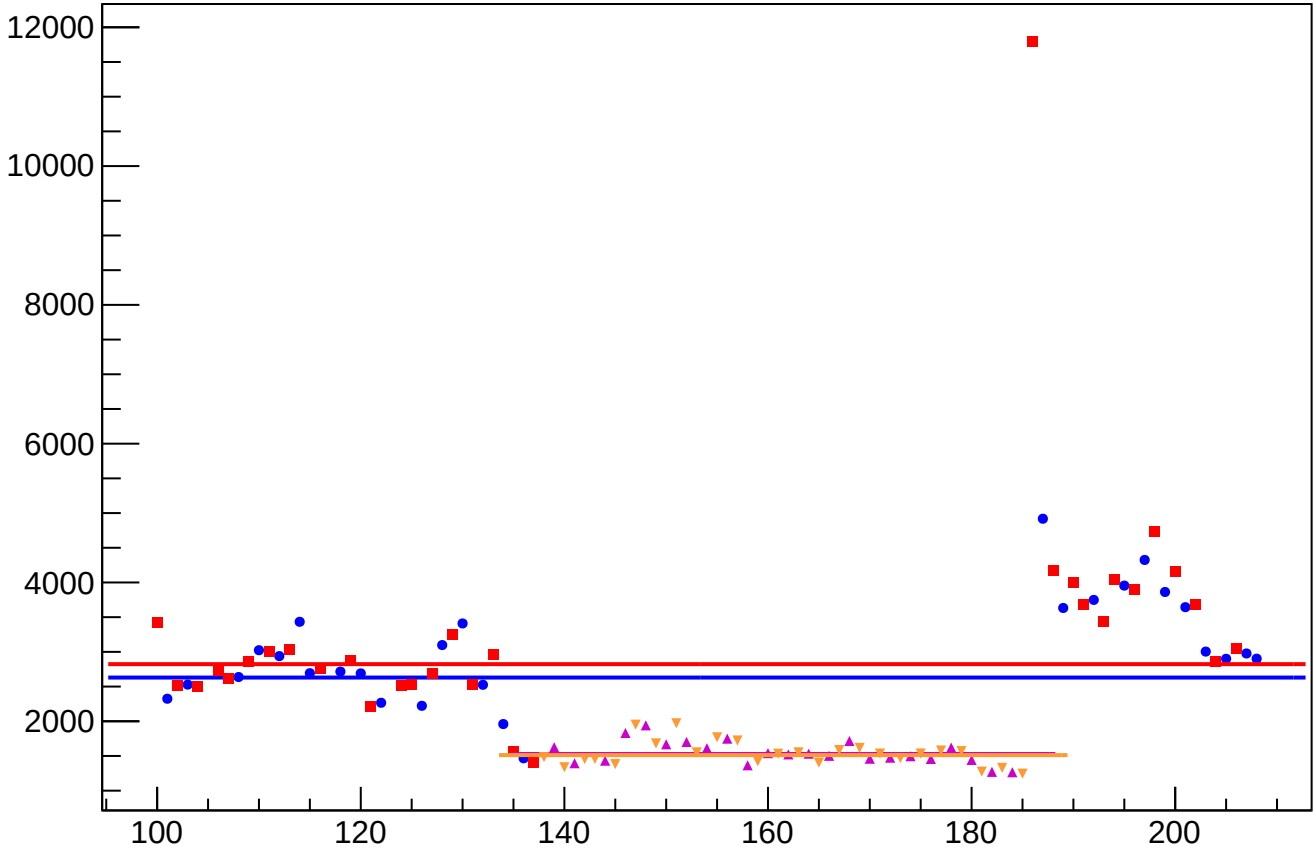
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -990.646+/-309.694 χ^2/NDF: 68.8/51

All: -592.341+/-223.375 χ^2/NDF: 134.1/105

- sign -160.423+/-322.496 χ^2/NDF: 61.9/53

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2629.854+/-0.489 χ^2/NDF: 2553918.4/26

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2822.962+/-0.517 χ^2/NDF: 2901902.9/30

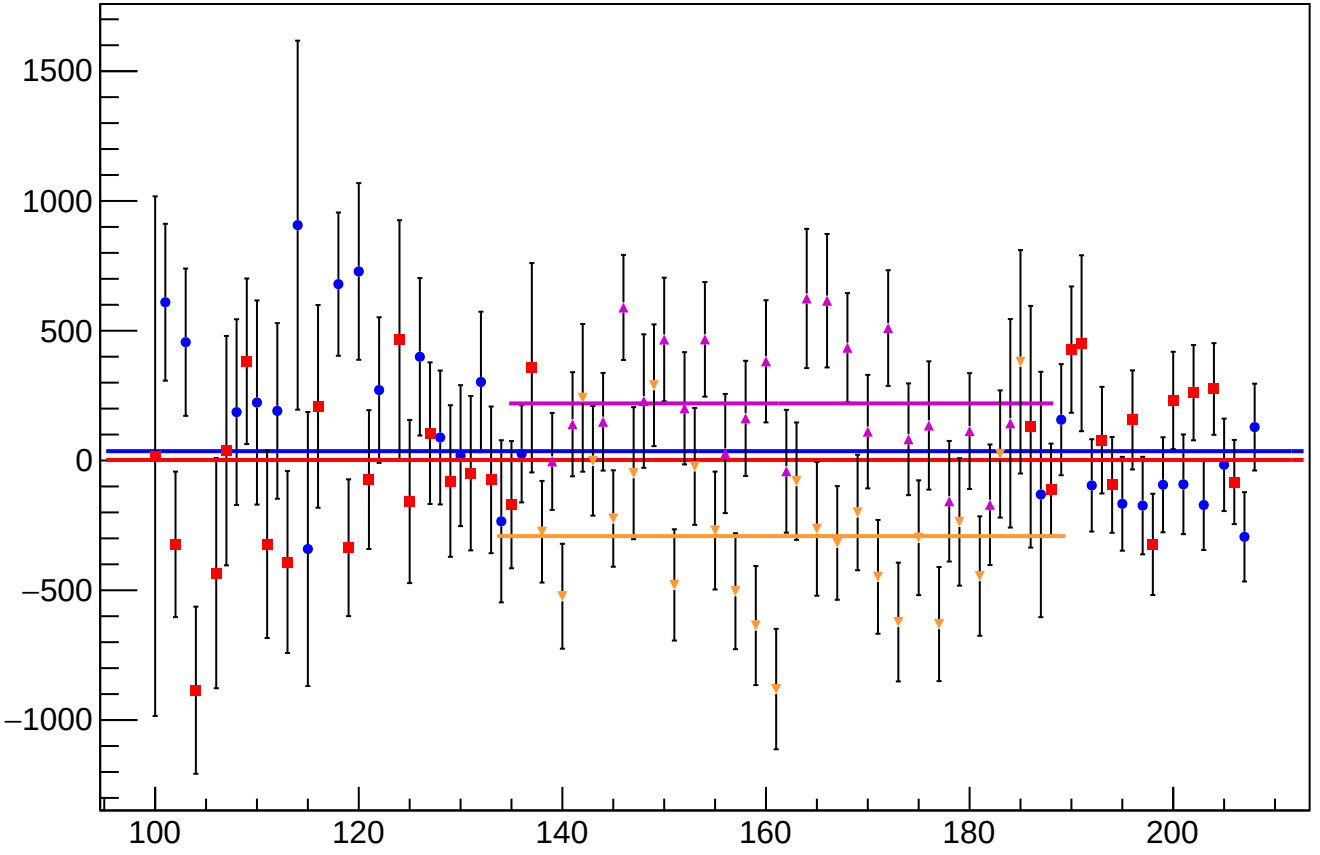
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1736.522+/-0.219 χ^2/NDF: 7172190.6/51

All: 1757.128+/-0.158 χ^2/NDF: 15513246.3/1

- sign 1779.472+/-0.228 χ^2/NDF: 8322600.5/53

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 35.954+/-45.336 χ^2/NDF: 31.9/26

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 2.149+/-45.750 χ^2/NDF: 33.6/30

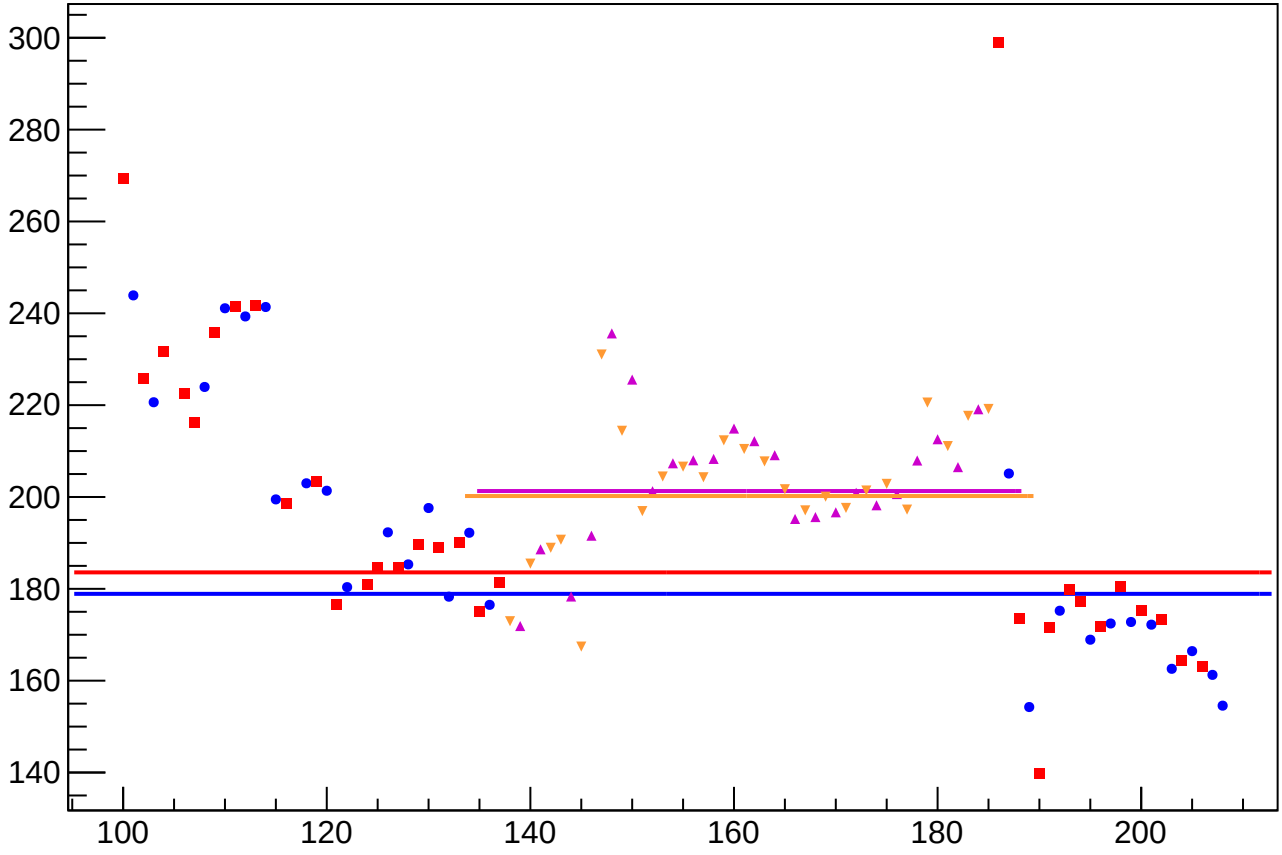
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -126.682+/-32.155 χ^2/NDF: 94.1/51

All: -11.887+/-22.973 χ^2/NDF: 188.5/105

- sign 107.793+/-32.832 χ^2/NDF: 68.3/53

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 178.908+/-0.032 χ^2/NDF: 480018.2/26

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

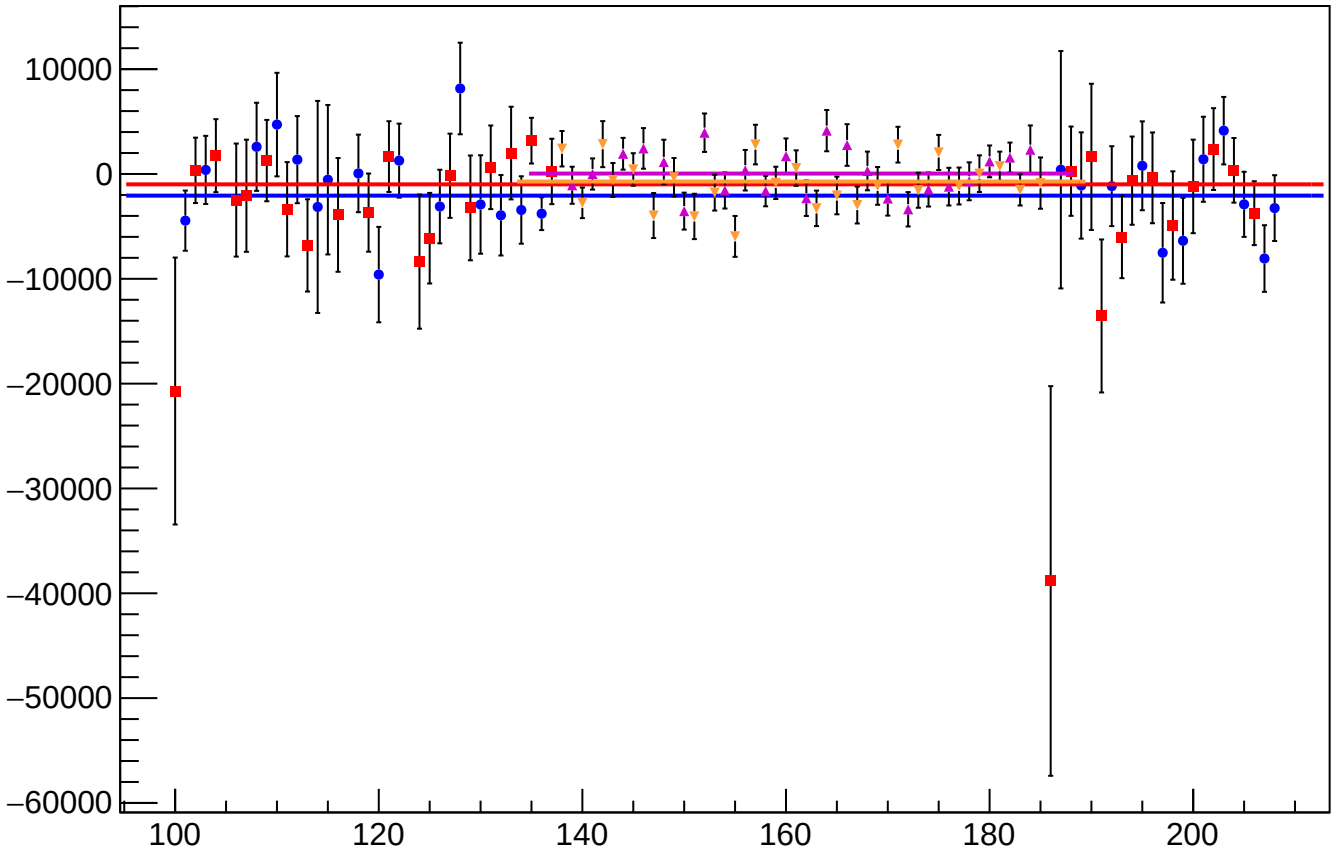
Right Out: 183.582+/-0.032 χ^2/NDF: 584975.5/30

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 189.494+/-0.023 χ^2/NDF: 903841.1/51

All: 190.806+/-0.016 χ^2/NDF: 1822698.9/105

- sign 192.174+/-0.023 χ^2/NDF: 912057.5/53



Right In: -2066.441+/-691.477 χ^2/NDF: 27.5/26

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

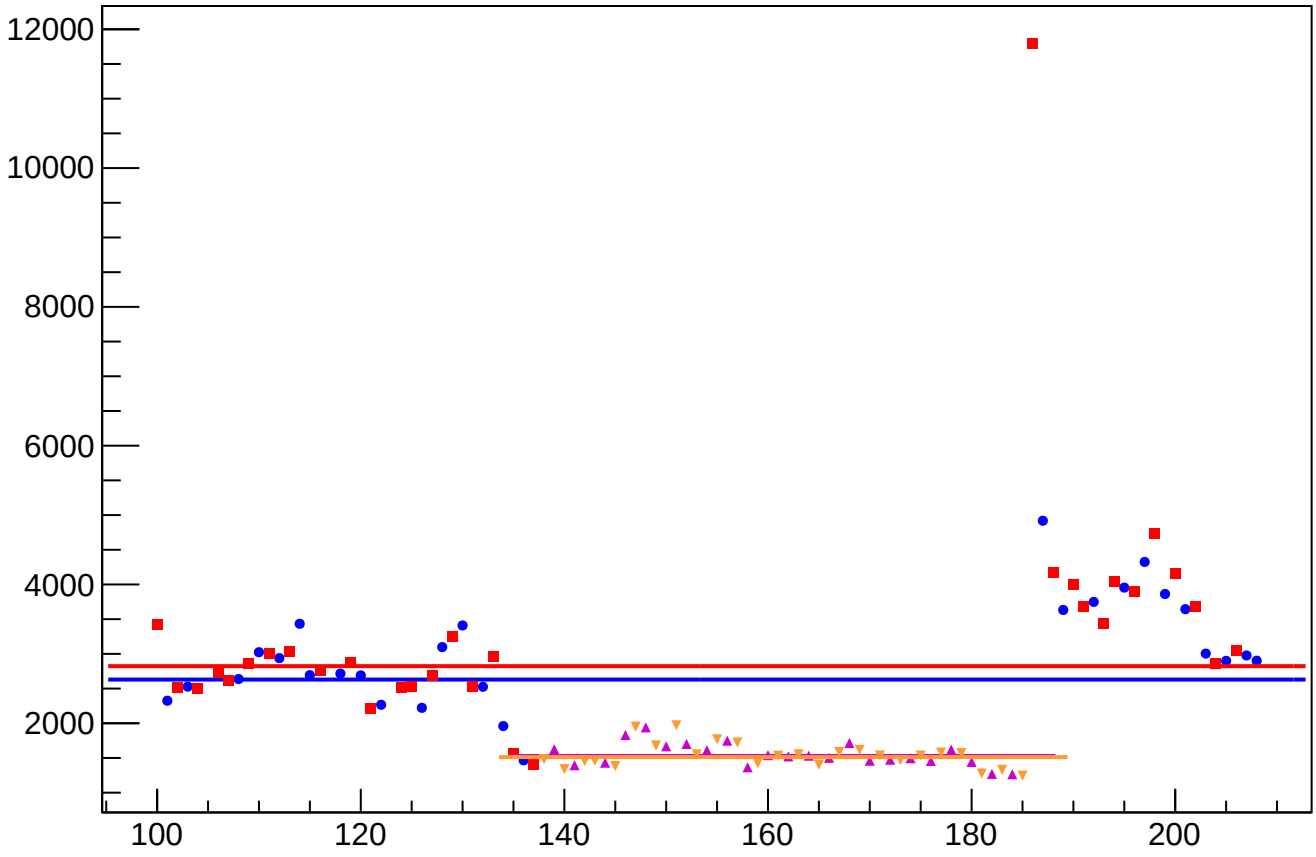
Right Out: -988.956+/-731.785 χ^2/NDF: 25.9/30

Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -990.646+/-309.694 χ^2/NDF: 68.8/51

All: -592.341+/-223.375 χ^2/NDF: 134.1/105

- sign -160.423+/-322.496 χ^2/NDF: 61.9/53



Right In: 2629.854+/-0.489 χ^2/NDF: 2553918.4/26

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2822.962+/-0.517 χ^2/NDF: 2901902.9/30

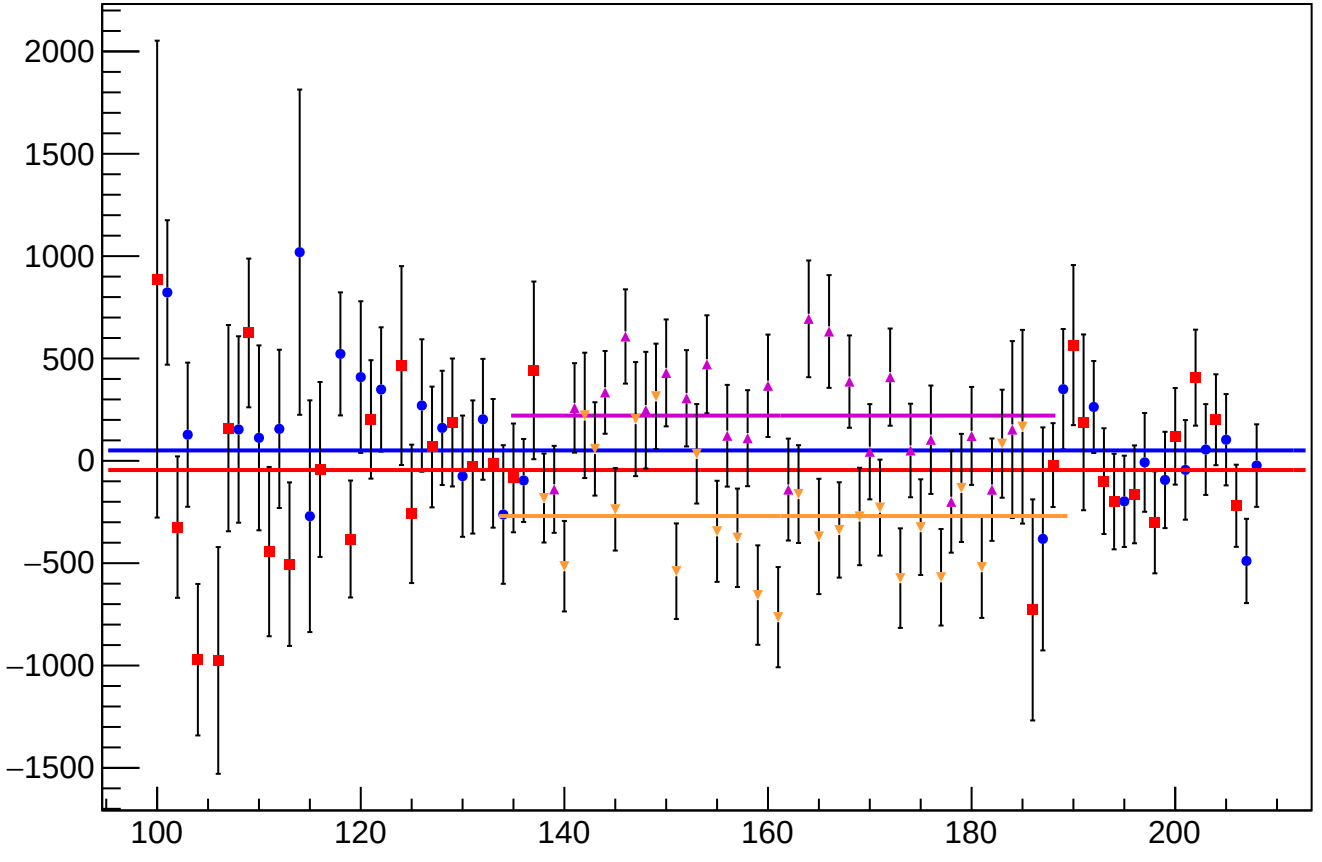
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1736.522+/-0.219 χ^2/NDF: 7172190.6/51

All: 1757.128+/-0.158 χ^2/NDF: 15513246.3/1

- sign 1779.472+/-0.228 χ^2/NDF: 8322600.5/53

dit_asym_sam_26_dd_mean vs Slug



Right In: 50.885+/-54.206 χ^2/NDF: 25.0/26

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -44.949+/-54.705 χ^2/NDF: 34.1/30

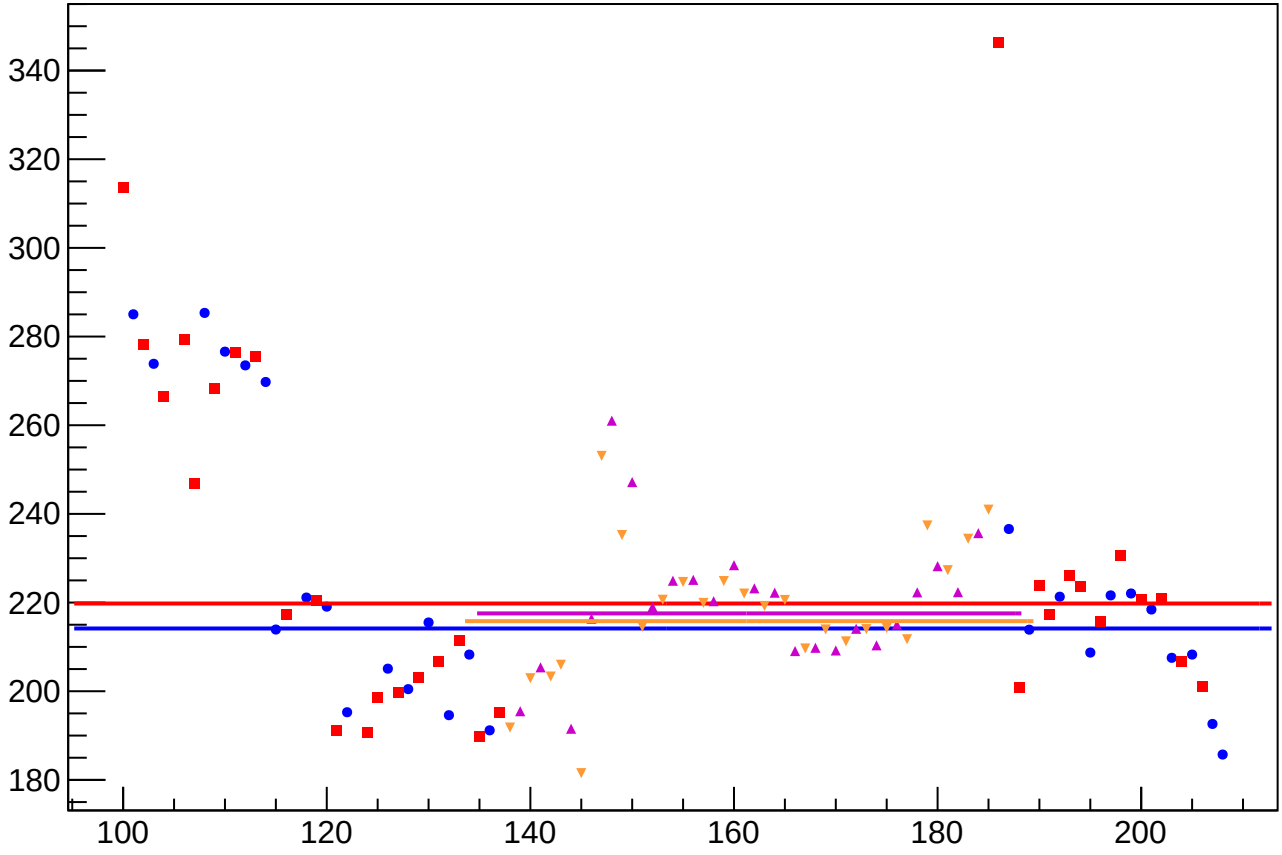
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -125.015+/-36.414 χ^2/NDF: 75.7/51

All: -16.434+/-26.051 χ^2/NDF: 164.1/105

- sign 97.411+/-37.286 χ^2/NDF: 70.1/53

dit_asym_sam_26_dd_rms vs Slug



Right In: 214.153+/-0.038 χ^2/NDF: 409037.0/26

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 219.786+/-0.039 χ^2/NDF: 487299.2/30

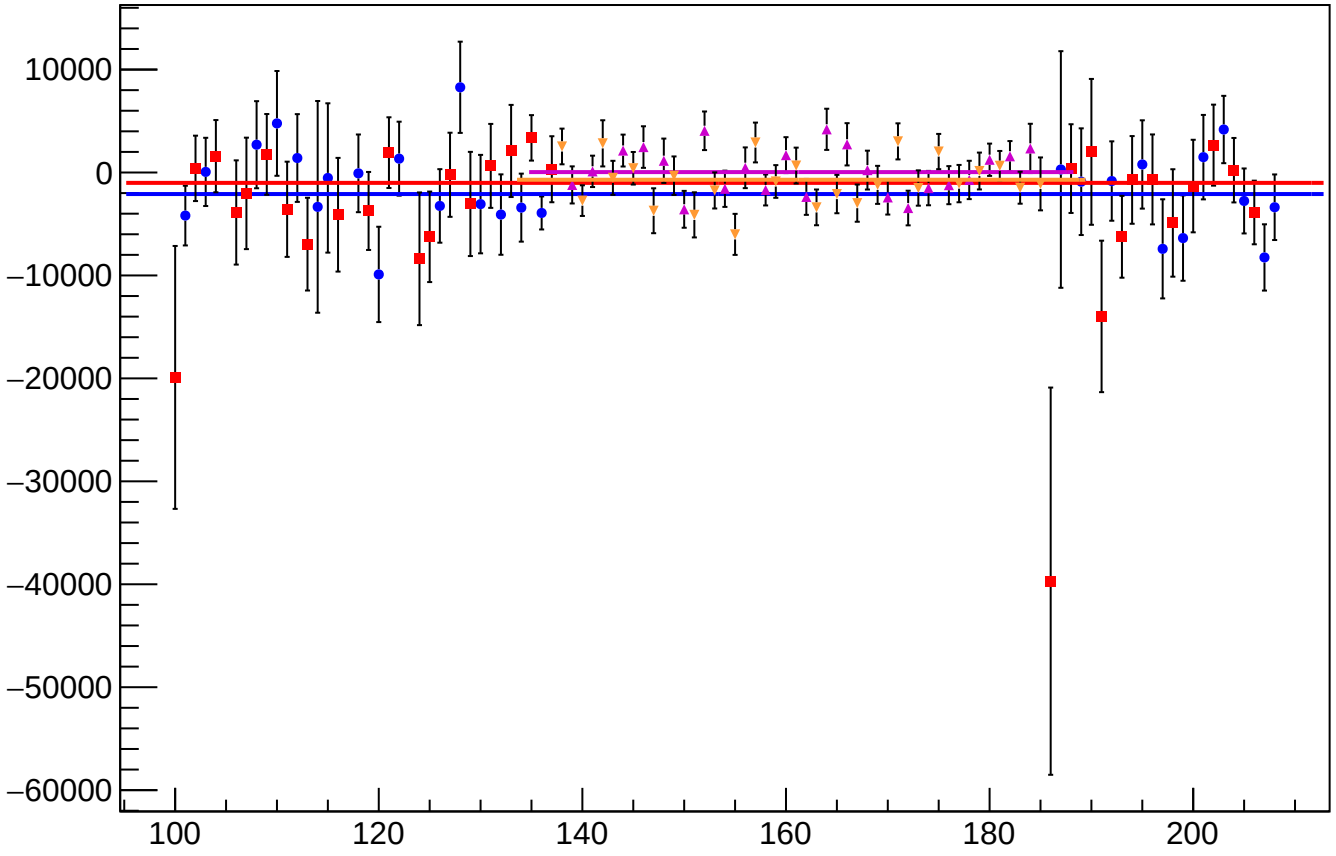
Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 215.060+/-0.026 χ^2/NDF: 598757.8/51

All: 216.784+/-0.018 χ^2/NDF: 1258086.9/105

- sign 218.591+/-0.026 χ^2/NDF: 650147.6/53

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -2092.805+/-704.053 χ^2/NDF: 27.4/26

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1007.145+/-741.571 χ^2/NDF: 26.9/30

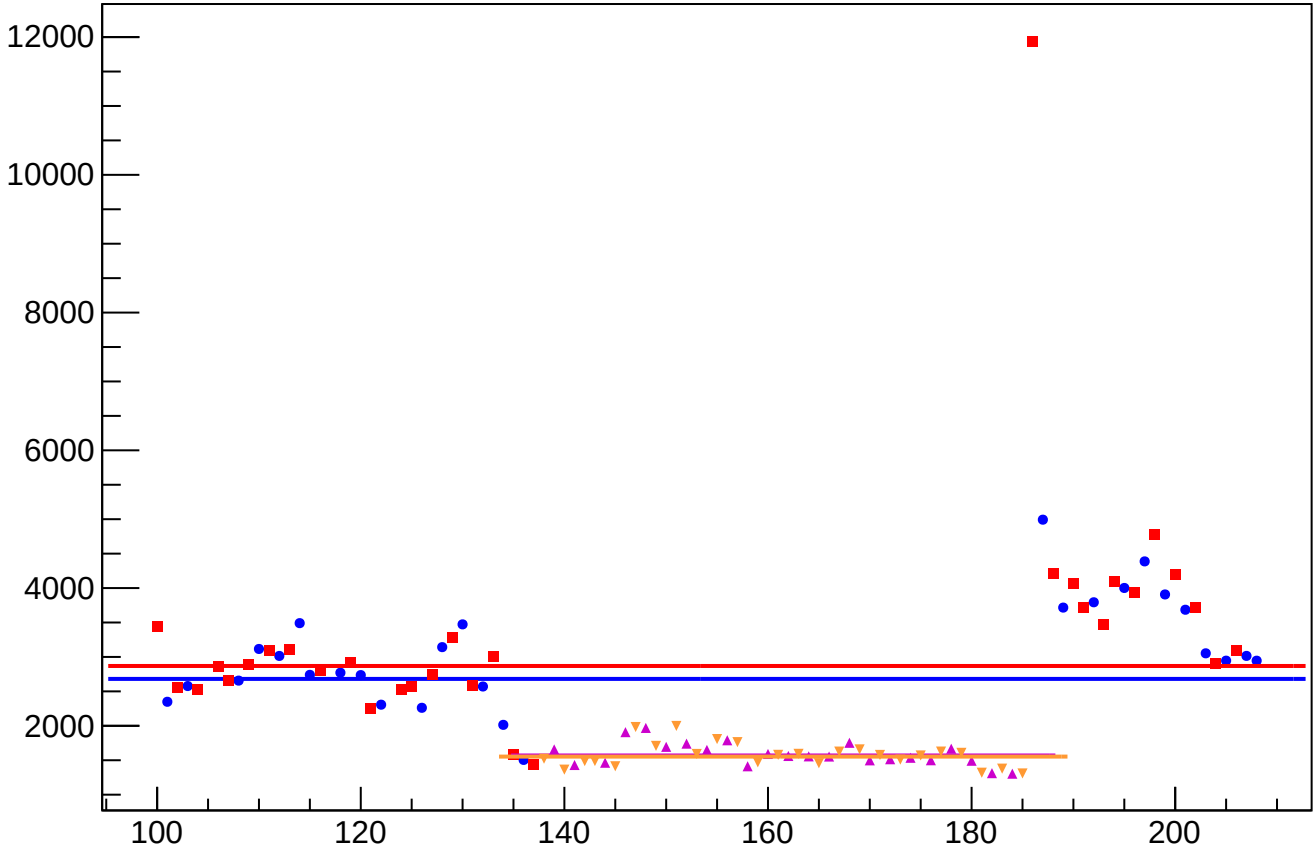
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

\+ sign -986.111+/-317.313 χ^2/NDF: 68.1/51

All: -593.407+/-228.818 χ^2/NDF: 134.1/105

\- sign -167.976+/-330.270 χ^2/NDF: 62.8/53

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2681.036+/-0.498 χ^2/NDF: 2491773.9/26

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2868.782+/-0.524 χ^2/NDF: 2860255.1/30

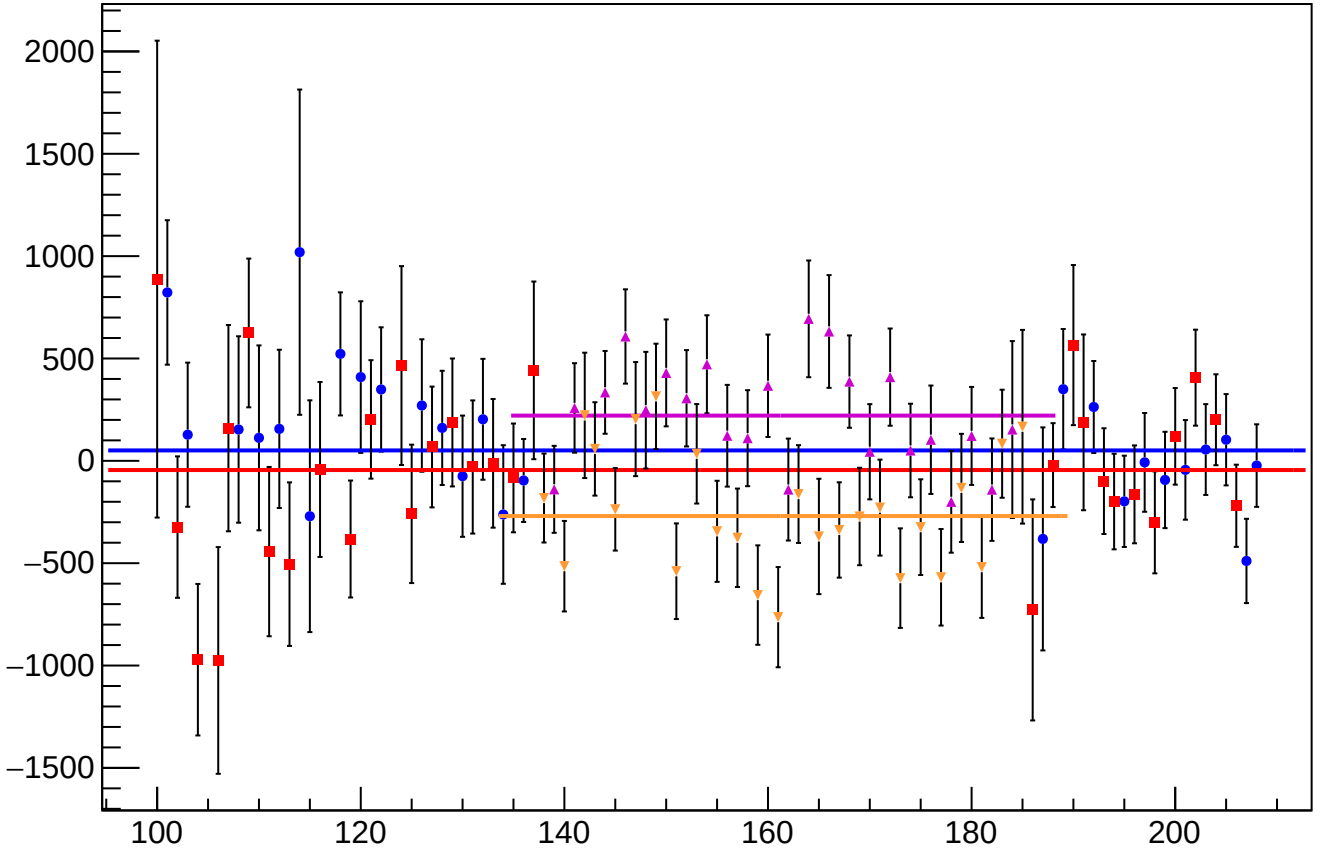
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1782.148+/-0.224 χ^2/NDF: 6992805.7/51

All: 1803.735+/-0.162 χ^2/NDF: 15152414.3/1

- sign 1827.120+/-0.234 χ^2/NDF: 8140326.0/53

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 50.888+/-54.206 χ^2/NDF: 25.0/26

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -44.950+/-54.705 χ^2/NDF: 34.1/30

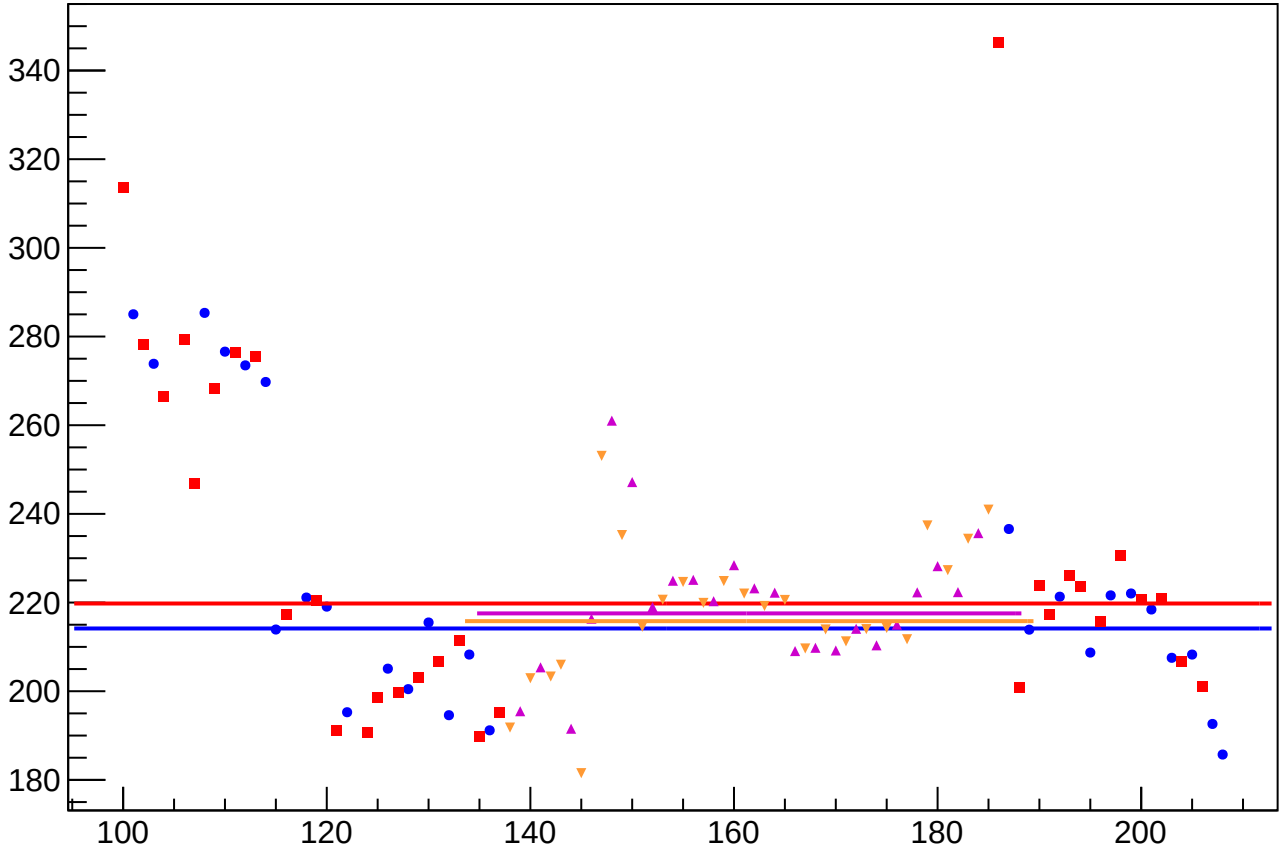
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

\+ sign -125.014+/-36.414 χ^2/NDF: 75.7/51

All: -16.434+/-26.051 χ^2/NDF: 164.1/105

\- sign 97.411+/-37.286 χ^2/NDF: 70.1/53

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 214.152+/-0.038 χ^2/NDF: 409026.4/26

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

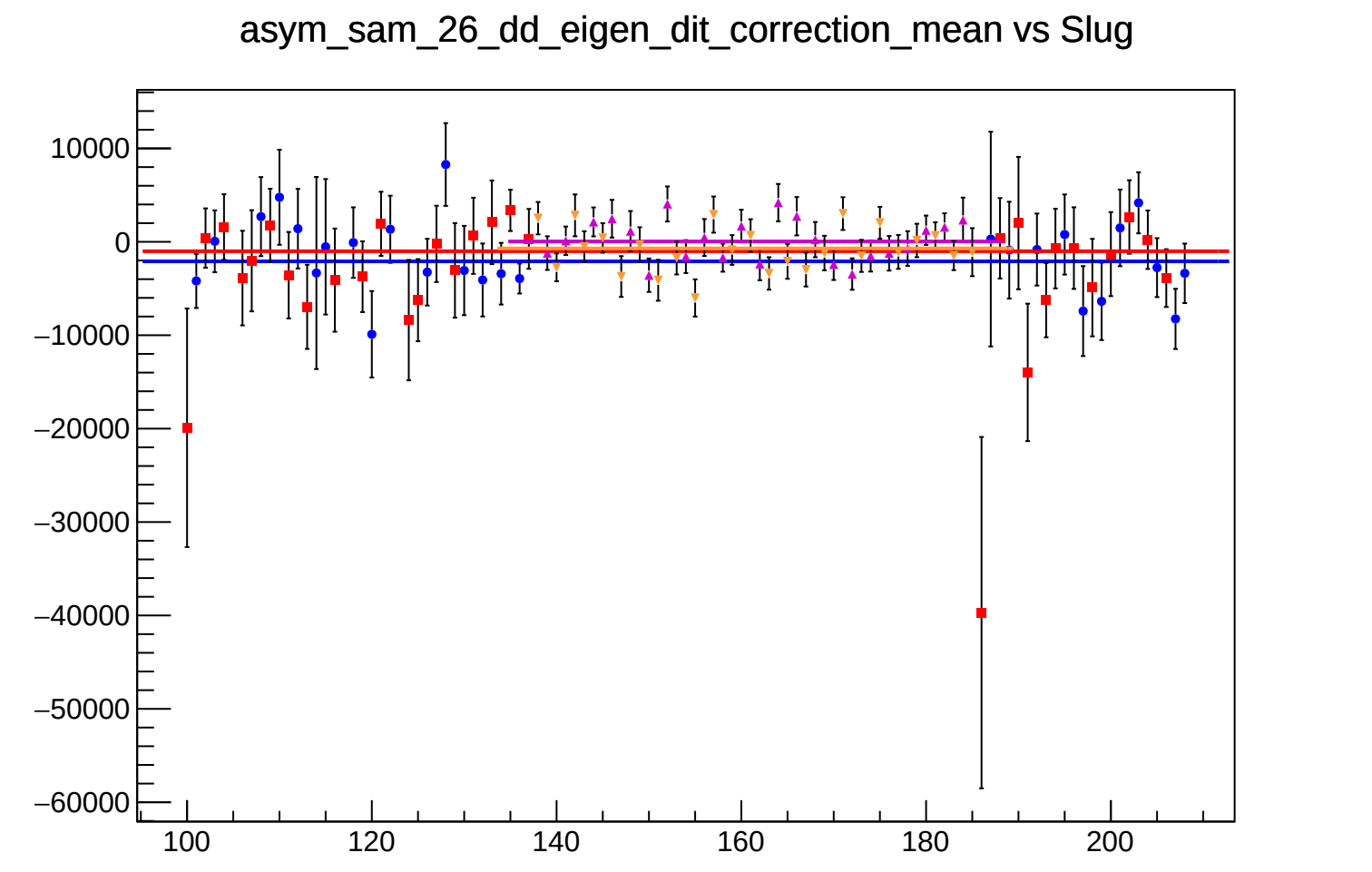
Right Out: 219.786+/-0.039 χ^2/NDF: 487282.1/30

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 215.060+/-0.026 χ^2/NDF: 598751.9/51

All: 216.784+/-0.018 χ^2/NDF: 1258066.1/105

- sign 218.591+/-0.026 χ^2/NDF: 650132.7/53



Right In: -2092.801+/-704.053 χ^2/NDF: 27.4/26

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1007.146+/-741.570 χ^2/NDF: 26.9/30

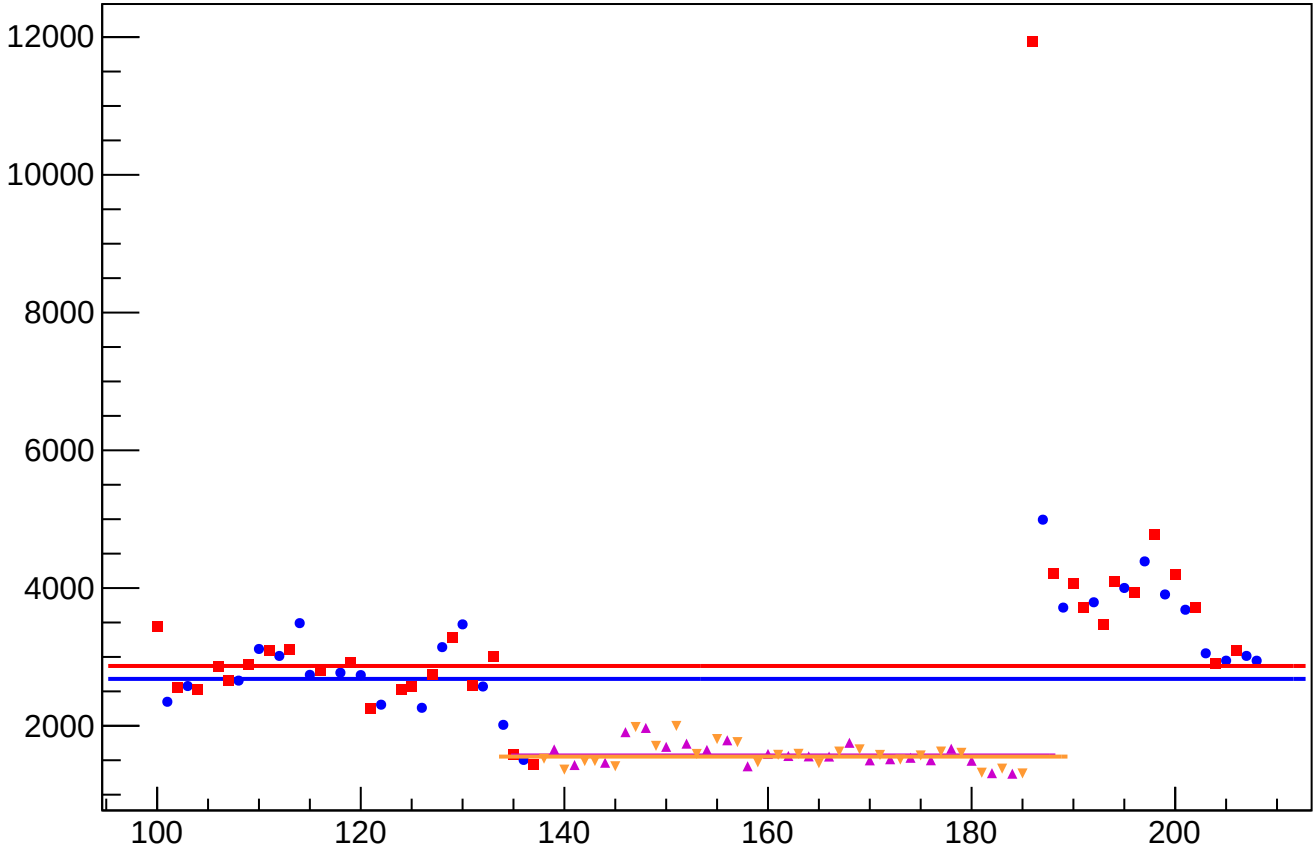
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -986.111+/-317.313 χ^2/NDF: 68.1/51

All: -593.408+/-228.818 χ^2/NDF: 134.1/105

- sign -167.978+/-330.270 χ^2/NDF: 62.8/53

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2681.034+/-0.498 χ^2/NDF: 2491771.2/26

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2868.779+/-0.524 χ^2/NDF: 2860258.0/30

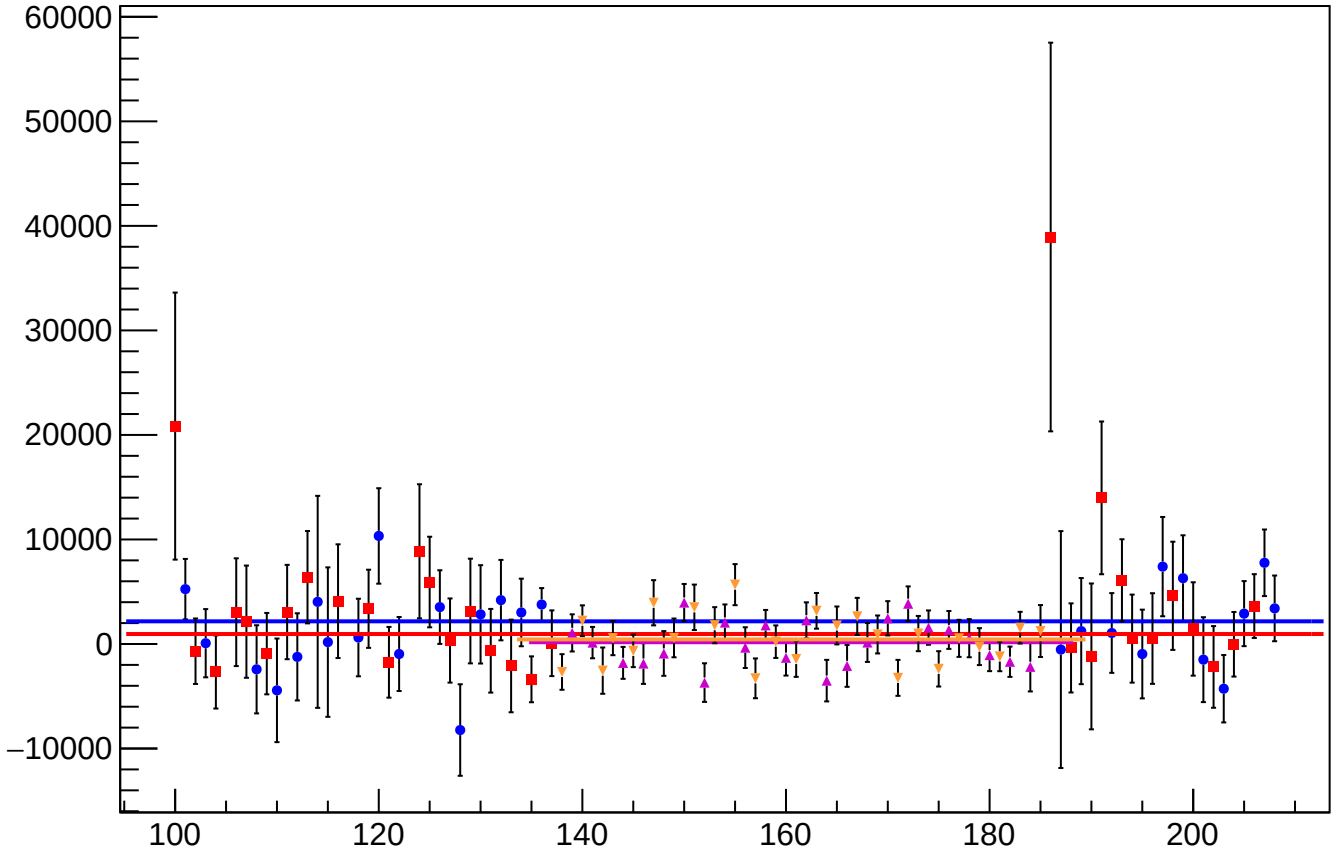
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1782.149+/-0.224 χ^2/NDF: 6992791.7/51

All: 1803.735+/-0.162 χ^2/NDF: 15152390.8/1

- sign 1827.120+/-0.234 χ^2/NDF: 8140316.8/53

asym_sam_26_dd_mean vs Slug



Right In: 2169.307+/-693.978 χ^2/NDF: 27.7/26

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 954.465+/-733.365 χ^2/NDF: 26.3/30

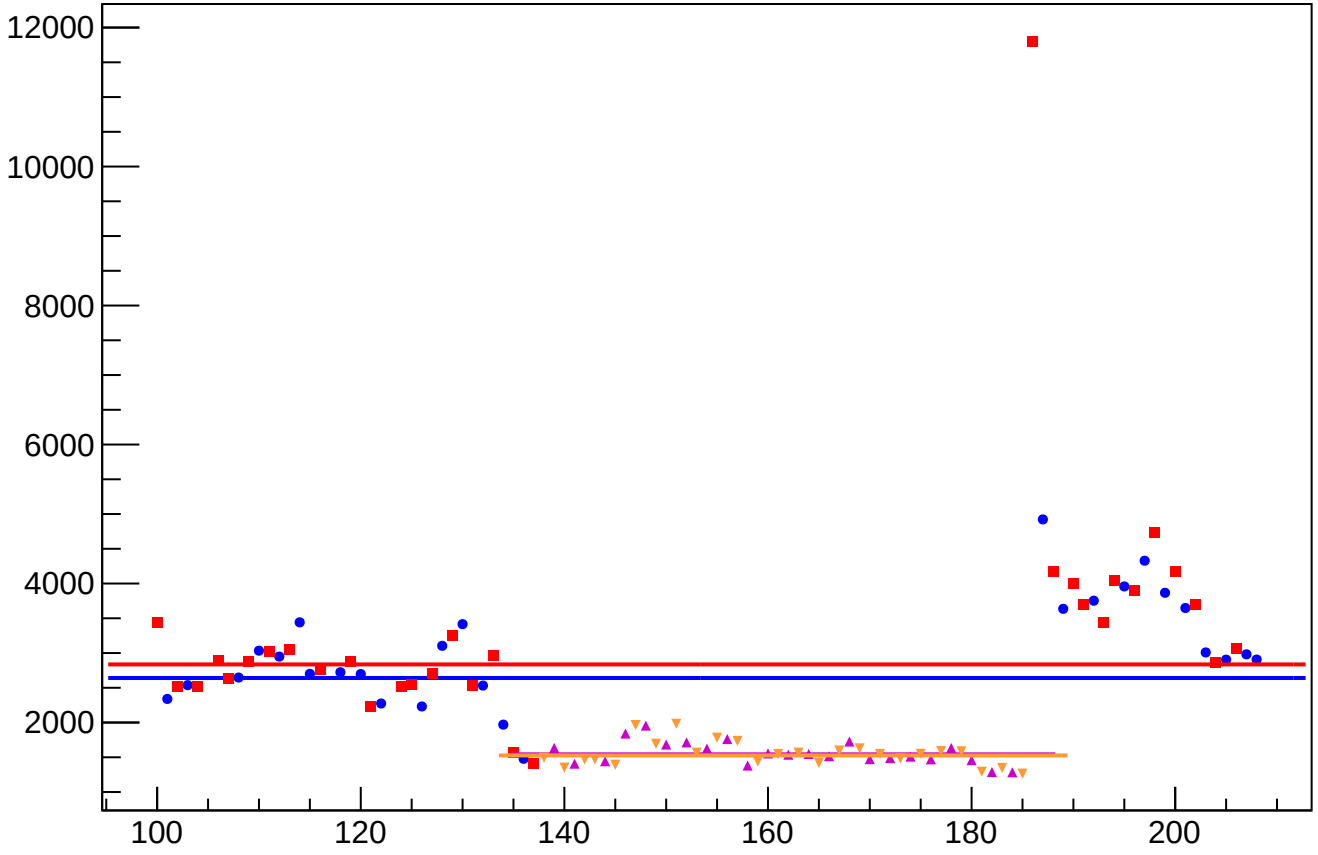
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 788.022+/-312.207 χ^2/NDF: 71.5/51

All: 565.291+/-225.152 χ^2/NDF: 132.8/105

- sign 323.929+/-325.004 χ^2/NDF: 60.2/53

asym_sam_26_dd_rms vs Slug



Right In: 2641.195+/-0.491 χ^2/NDF: 2515662.1/26

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

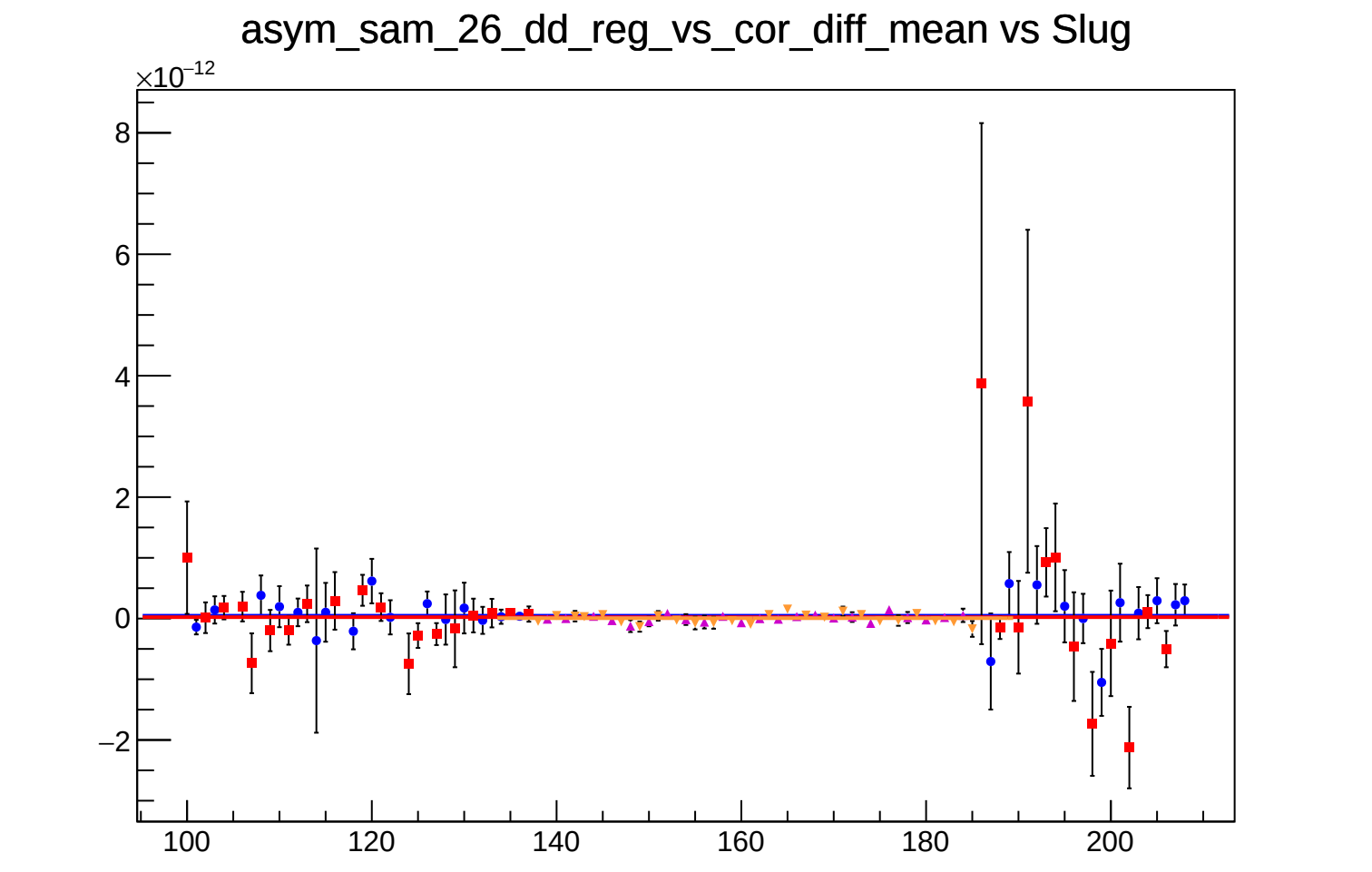
Right Out: 2836.152+/-0.519 χ^2/NDF: 2869681.5/30

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1752.286+/-0.221 χ^2/NDF: 7059124.9/51

All: 1773.447+/-0.159 χ^2/NDF: 15313183.7/1

- sign 1796.379+/-0.230 χ^2/NDF: 8234913.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

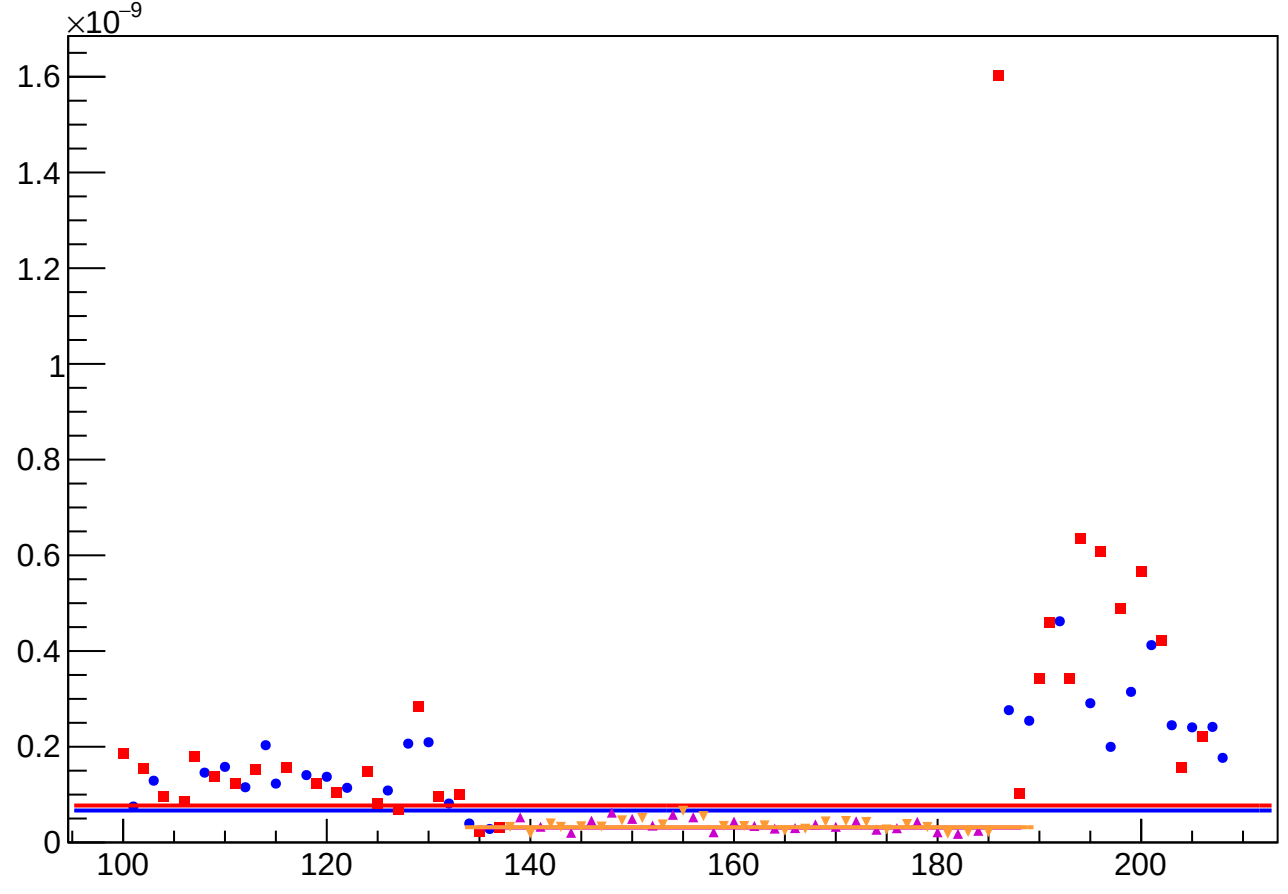
Right Out: 0.000+/-0.000 χ^2/NDF: 43.8/30

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.8/51

All: 0.000+/-0.000 χ^2/NDF: 109.7/105

- sign 0.000+/-0.000 χ^2/NDF: 60.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 7152168.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7440717.8/30

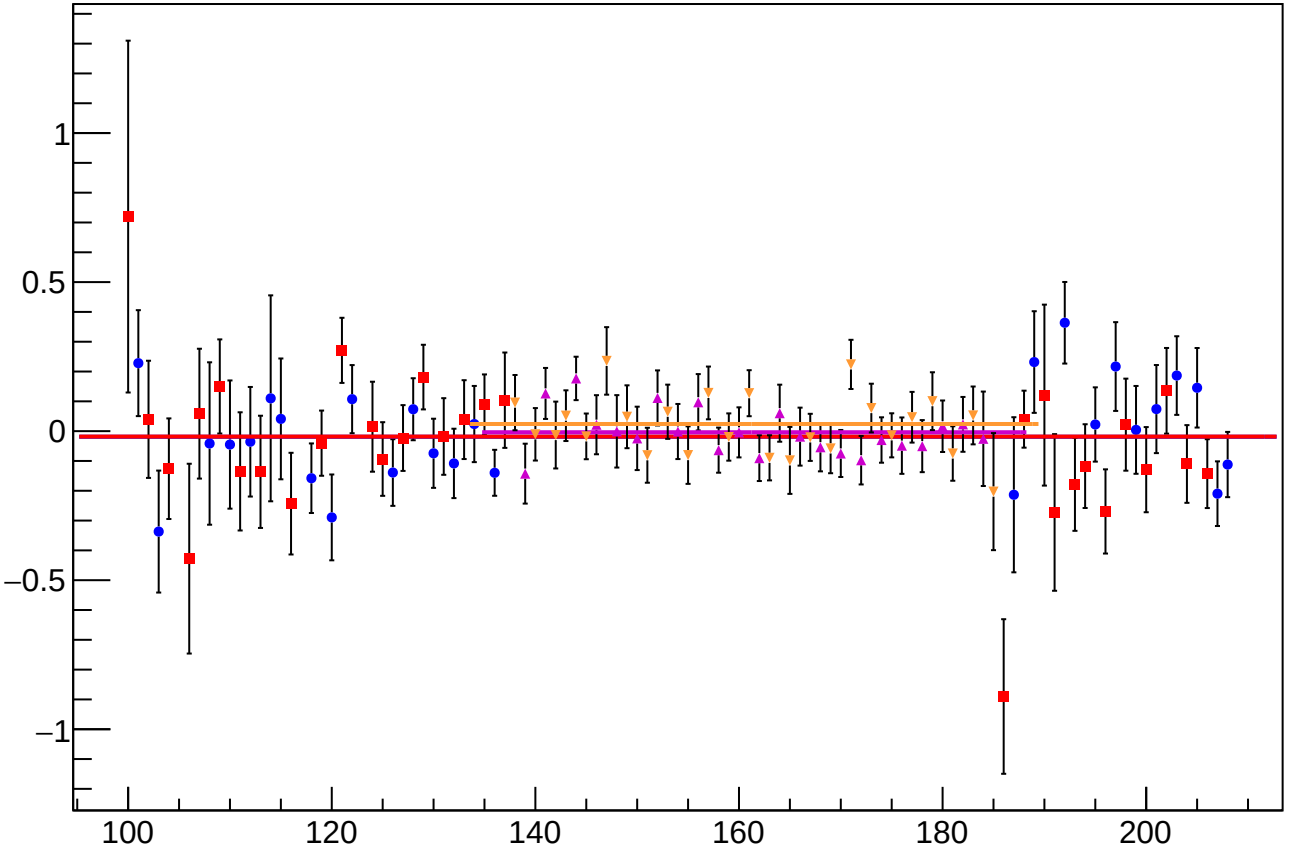
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10156285.1/51

All: 0.000+/-0.000 χ^2/NDF: 21520422.4/105

- sign 0.000+/-0.000 χ^2/NDF: 11361887.2/53

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/26

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.018+/-0.026 χ^2/NDF: 41.2/30

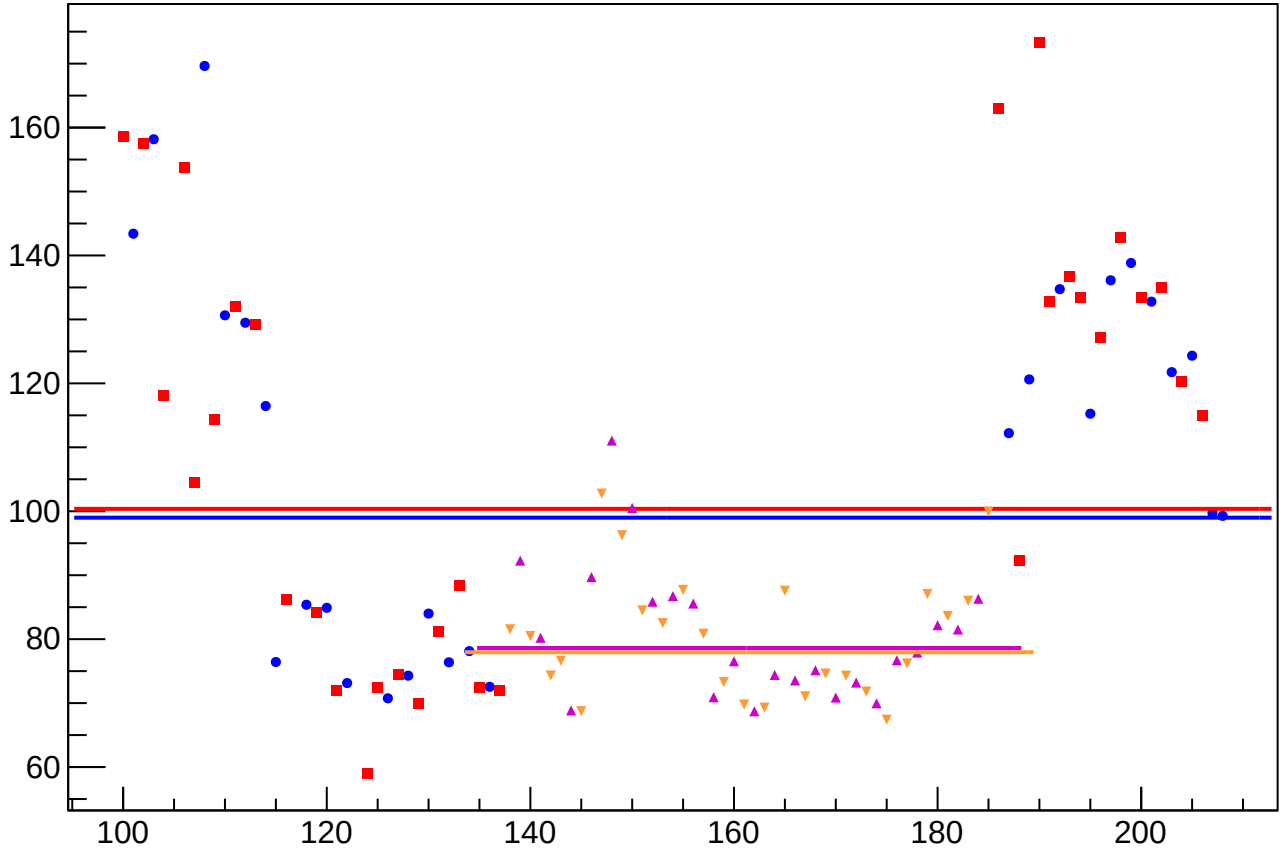
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 64.8/51

All: 0.001+/-0.011 χ^2/NDF: 125.9/105

- sign -0.009+/-0.015 χ^2/NDF: 60.3/53

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 98.999+/-0.018 χ^2/NDF: 2056633.2/26

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

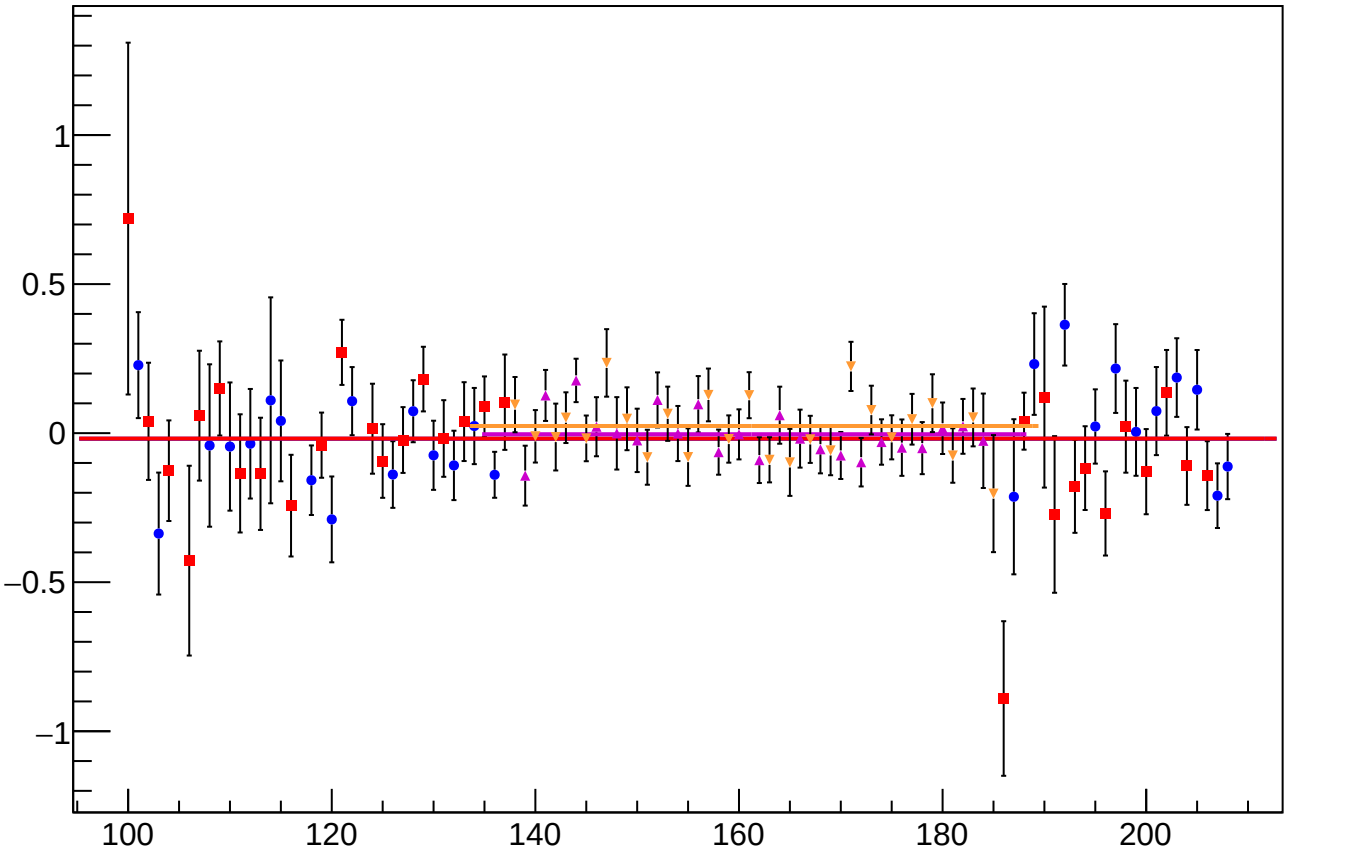
Right Out: 100.378+/-0.018 χ^2/NDF: 2388716.5/30

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 84.726+/-0.010 χ^2/NDF: 3389746.7/51

All: 85.338+/-0.007 χ^2/NDF: 7213876.0/105

- sign 85.983+/-0.011 χ^2/NDF: 3817018.6/53



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/26

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

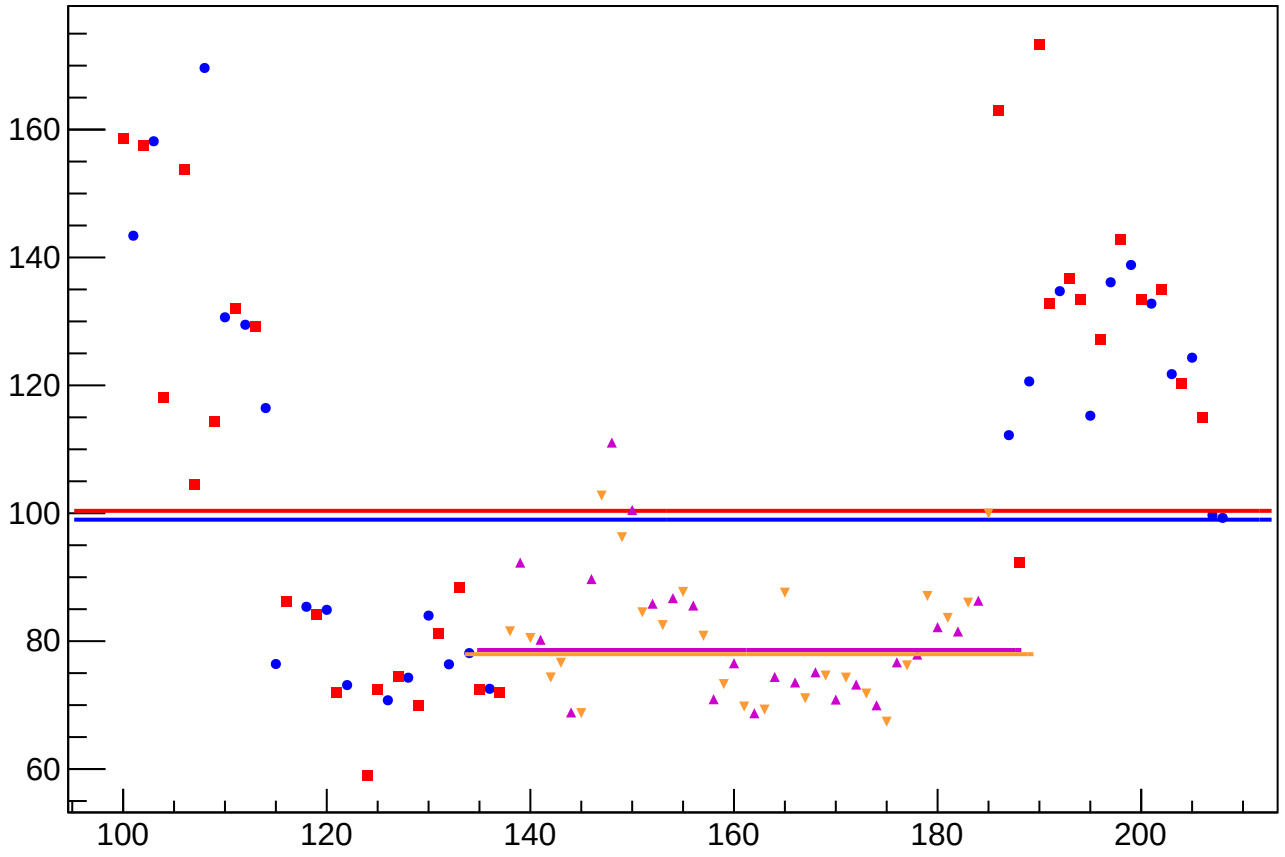
Right Out: -0.018+/-0.026 χ^2/NDF: 41.2/30

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 64.8/51

All: 0.001+/-0.011 χ^2/NDF: 125.9/105

- sign -0.009+/-0.015 χ^2/NDF: 60.3/53



Right In: 98.999+/-0.018 χ^2/NDF: 2056633.2/26

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

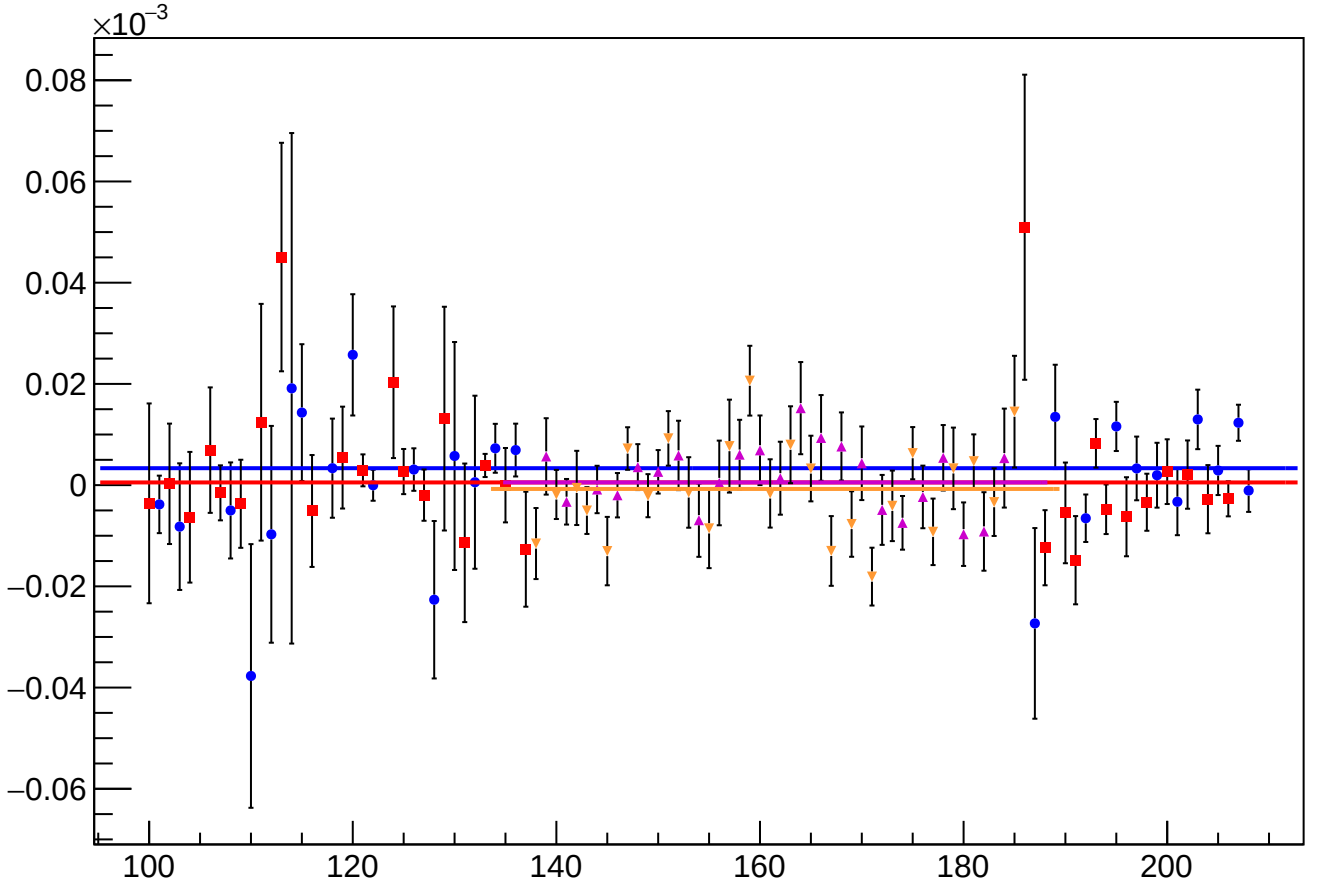
Right Out: 100.378+/-0.018 χ^2/NDF: 2388716.5/30

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 84.726+/-0.010 χ^2/NDF: 3389746.7/51

All: 85.338+/-0.007 χ^2/NDF: 7213876.0/105

- sign 85.983+/-0.011 χ^2/NDF: 3817018.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 37.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/30

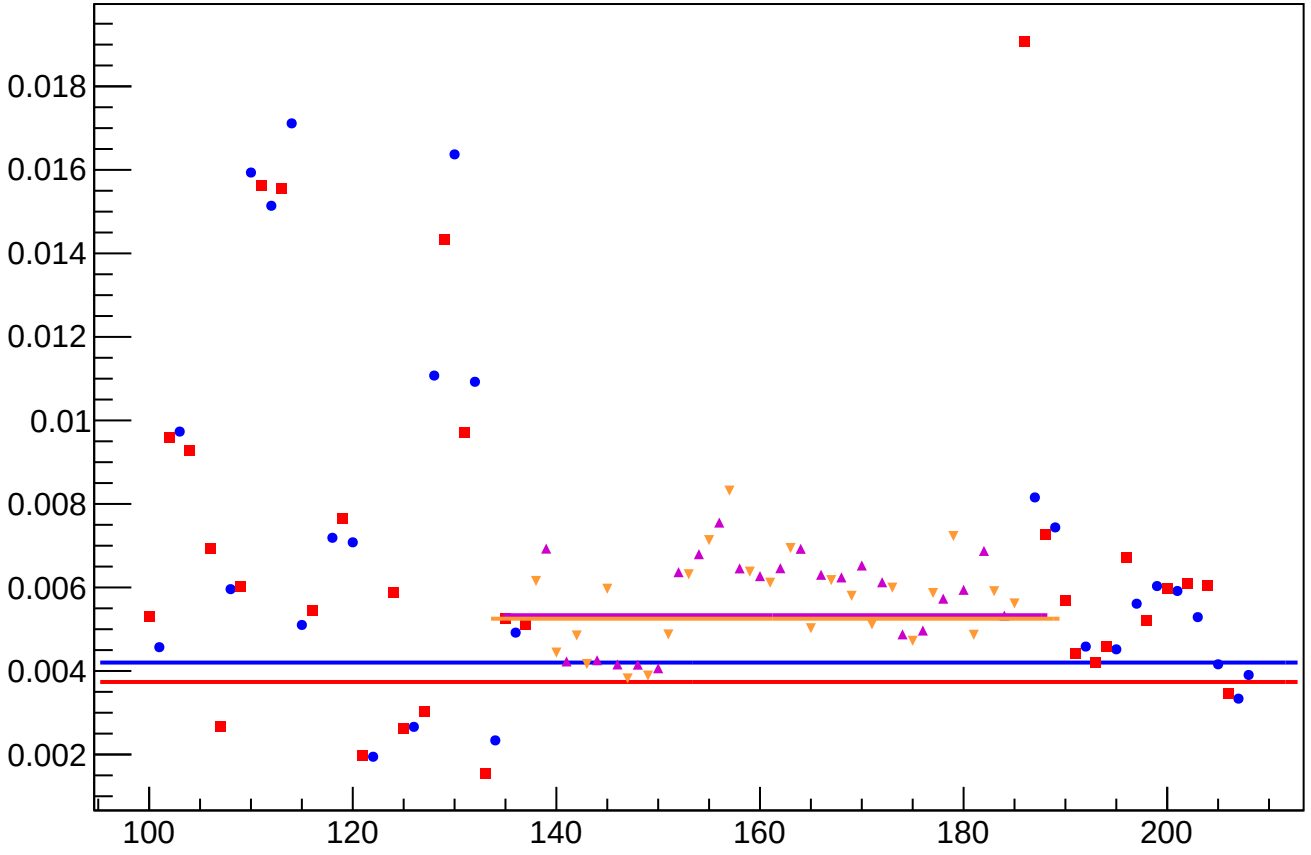
Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 91.0/51

All: 0.000+/-0.000 χ^2/NDF: 138.5/105

- sign 0.000+/-0.000 χ^2/NDF: 47.0/53

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 5711209.5/26

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

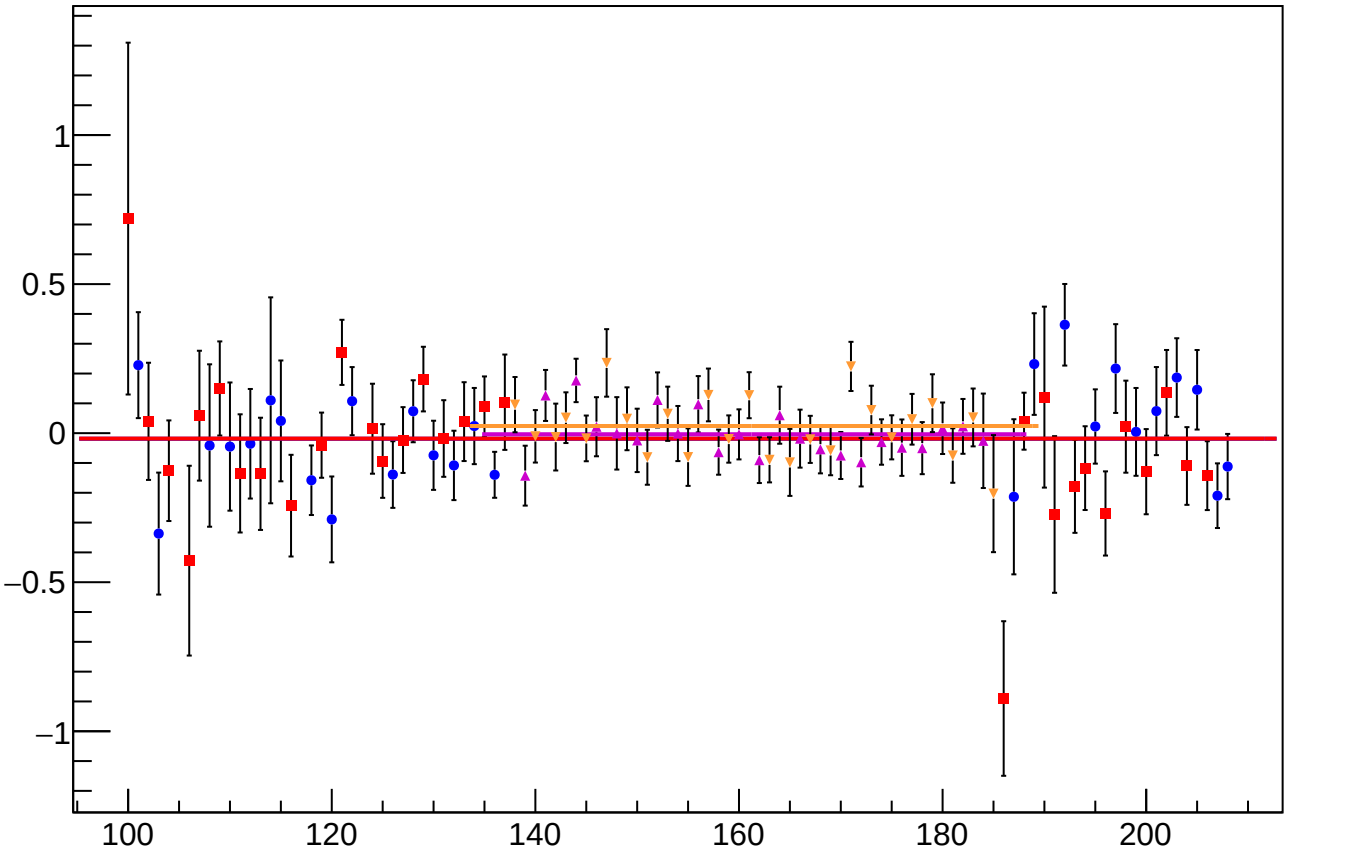
Right Out: 0.004+/-0.000 χ^2/NDF: 8460204.3/30

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 7980645.5/51

All: 0.005+/-0.000 χ^2/NDF: 19877208.9/105

- sign 0.004+/-0.000 χ^2/NDF: 11768731.2/53



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/26

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

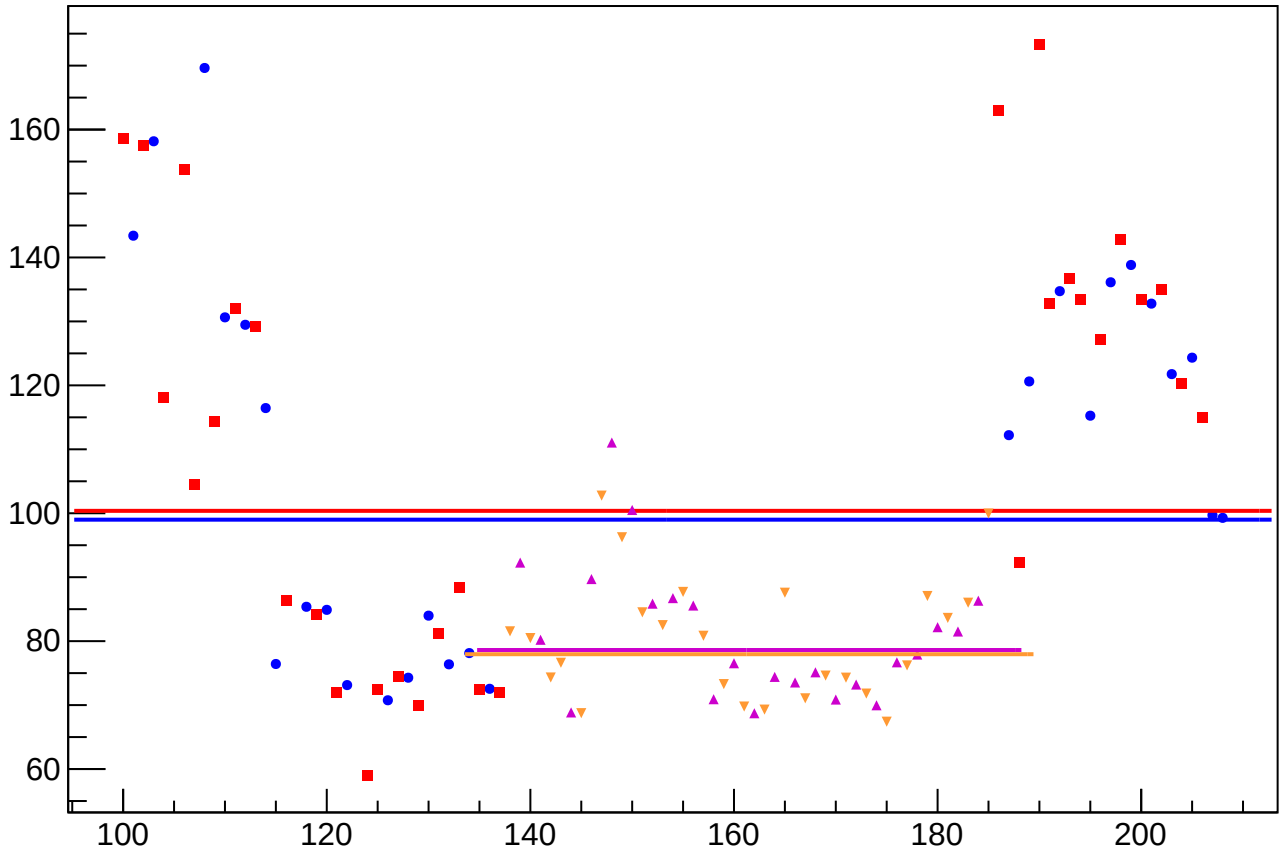
Right Out: -0.018+/-0.026 χ^2/NDF: 41.2/30

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 64.8/51

All: 0.001+/-0.011 χ^2/NDF: 125.9/105

- sign -0.009+/-0.015 χ^2/NDF: 60.3/53



Right In: 98.996+/-0.018 χ^2/NDF: 2056749.4/26

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

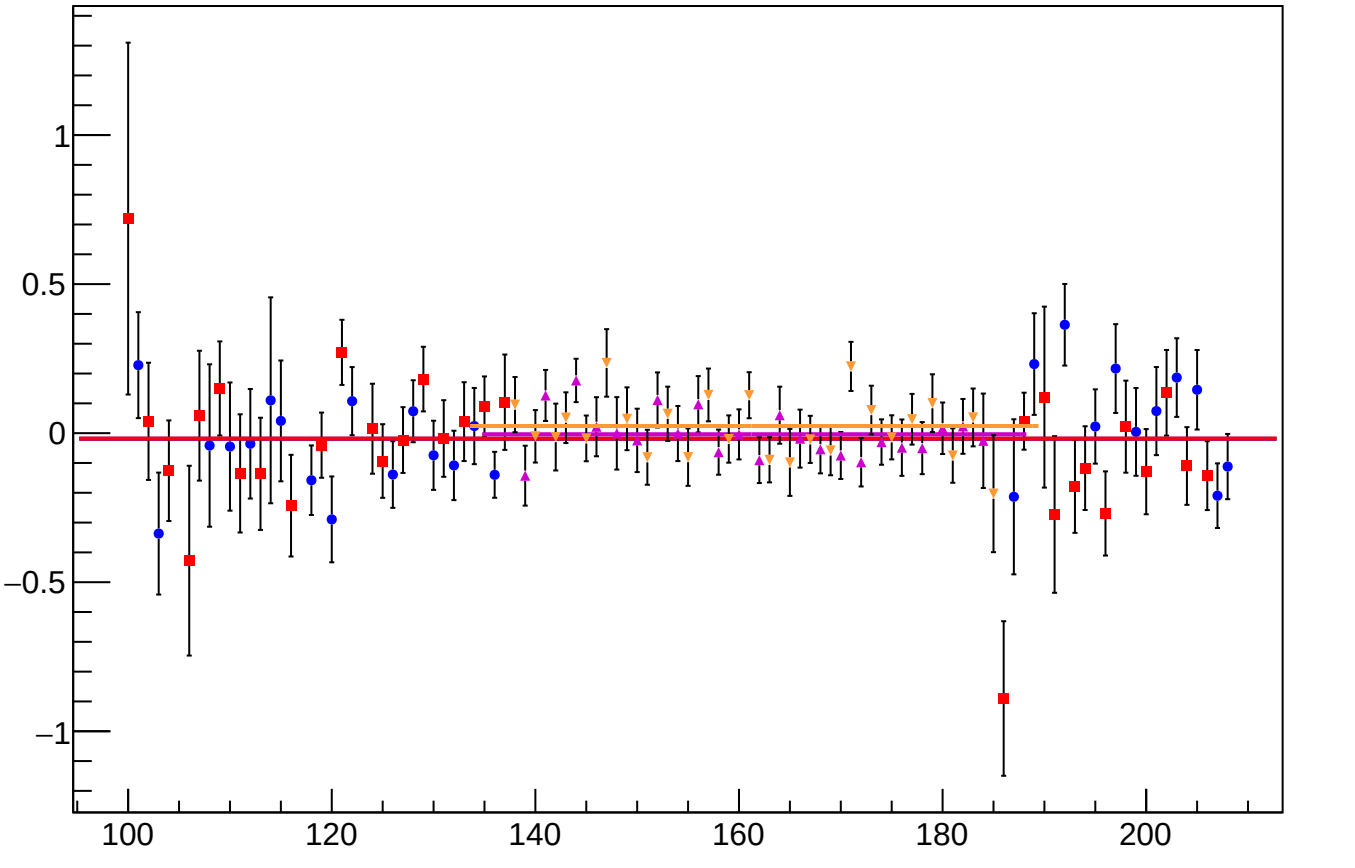
Right Out: 100.376+/-0.018 χ^2/NDF: 2388818.0/30

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 84.725+/-0.010 χ^2/NDF: 3389791.3/51

All: 85.337+/-0.007 χ^2/NDF: 7213983.5/105

- sign 85.982+/-0.011 χ^2/NDF: 3817083.7/53



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/26

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

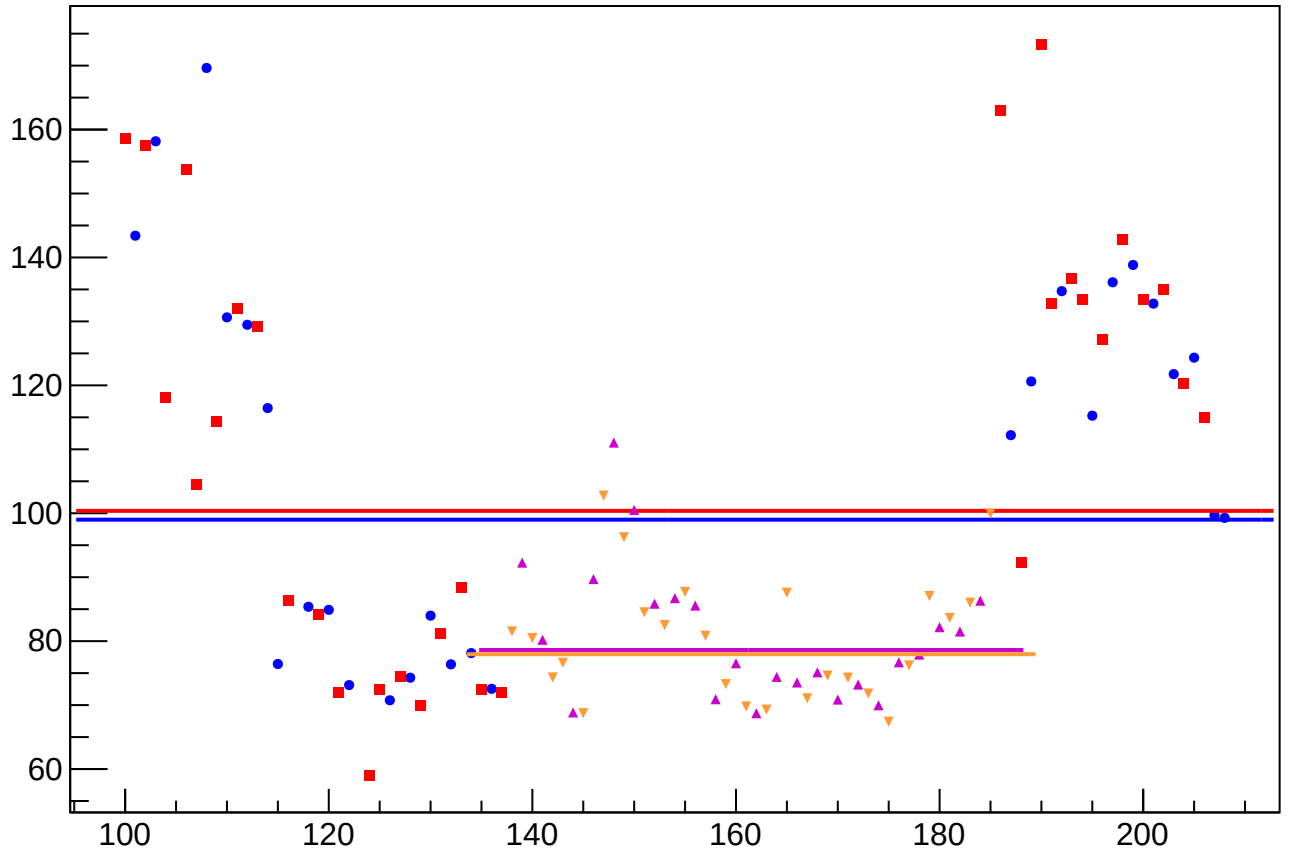
Right Out: -0.018+/-0.026 χ^2/NDF: 41.2/30

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 64.8/51

All: 0.001+/-0.011 χ^2/NDF: 125.9/105

- sign -0.009+/-0.015 χ^2/NDF: 60.3/53



Right In: 98.996+/-0.018 χ^2/NDF: 2056749.4/26

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

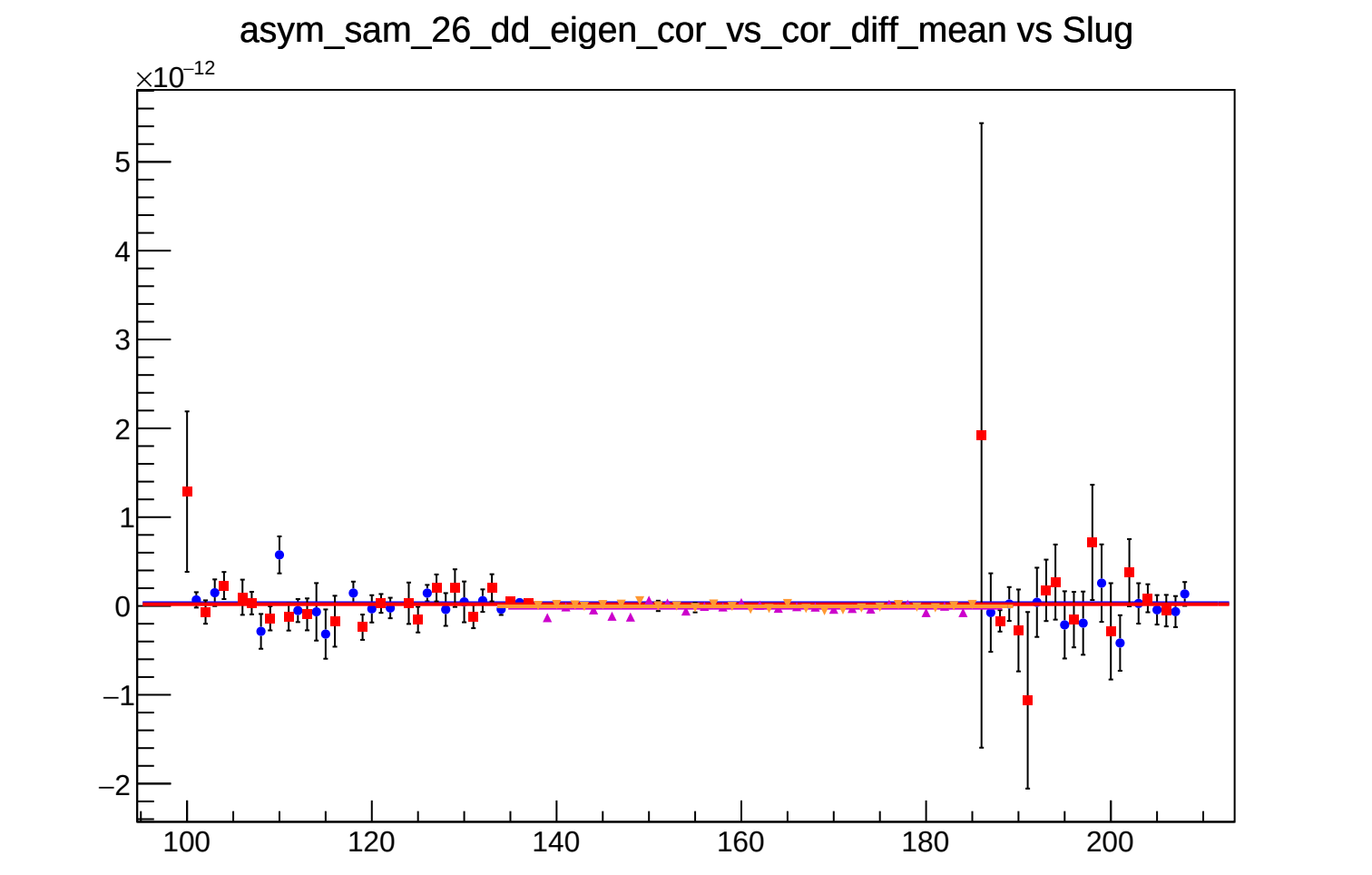
Right Out: 100.376+/-0.018 χ^2/NDF: 2388818.0/30

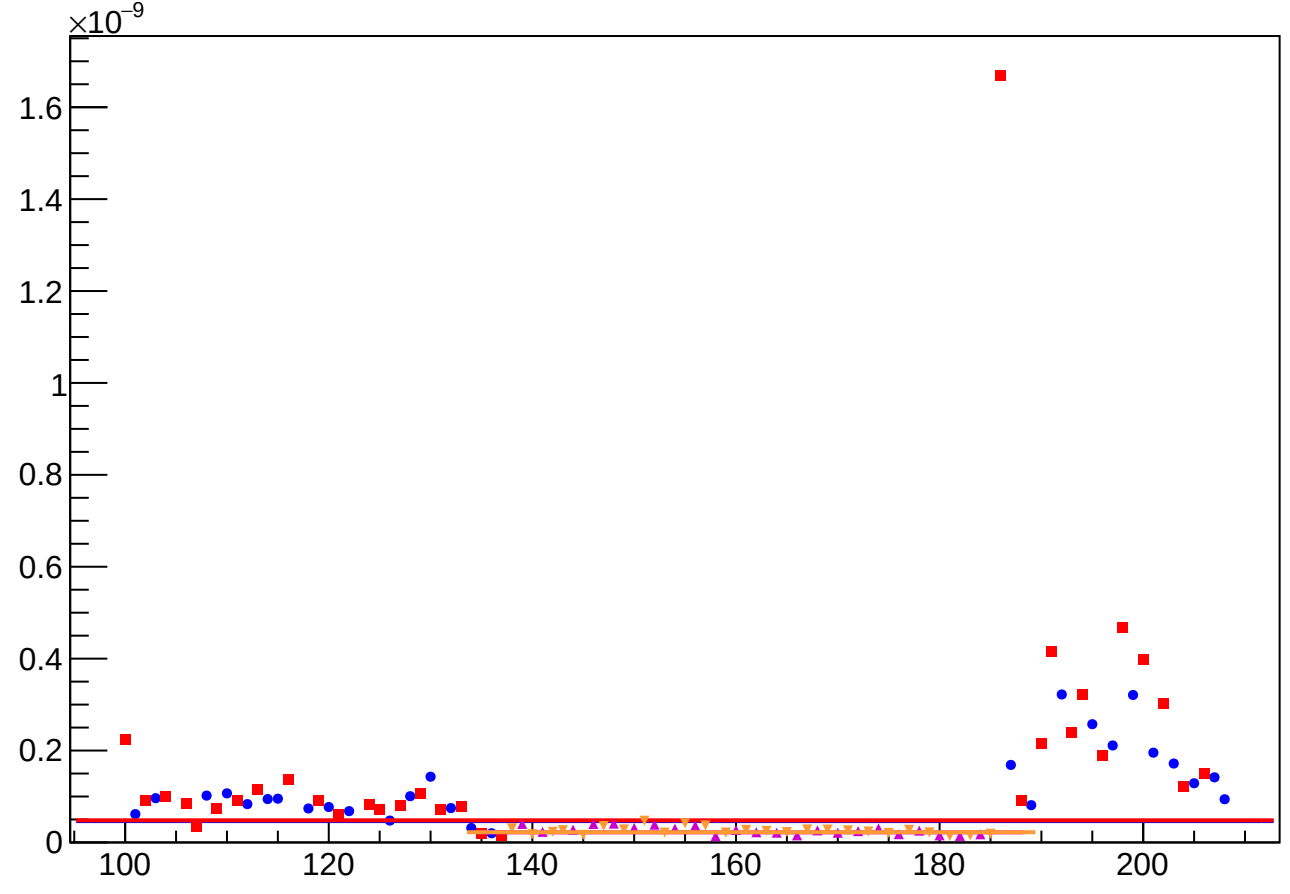
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 84.725+/-0.010 χ^2/NDF: 3389791.3/51

All: 85.337+/-0.007 χ^2/NDF: 7213983.5/105

- sign 85.982+/-0.011 χ^2/NDF: 3817083.7/53


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 20.7/26
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.8/30
Left In: -0.000+/-0.000 χ²/NDF:40.1/22
+ sign -0.000+/-0.000 χ²/NDF: 36.9/51
All: -0.000+/-0.000 χ²/NDF: 109.8/105
- sign -0.000+/-0.000 χ²/NDF: 69.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 9259951.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11249017.4/30

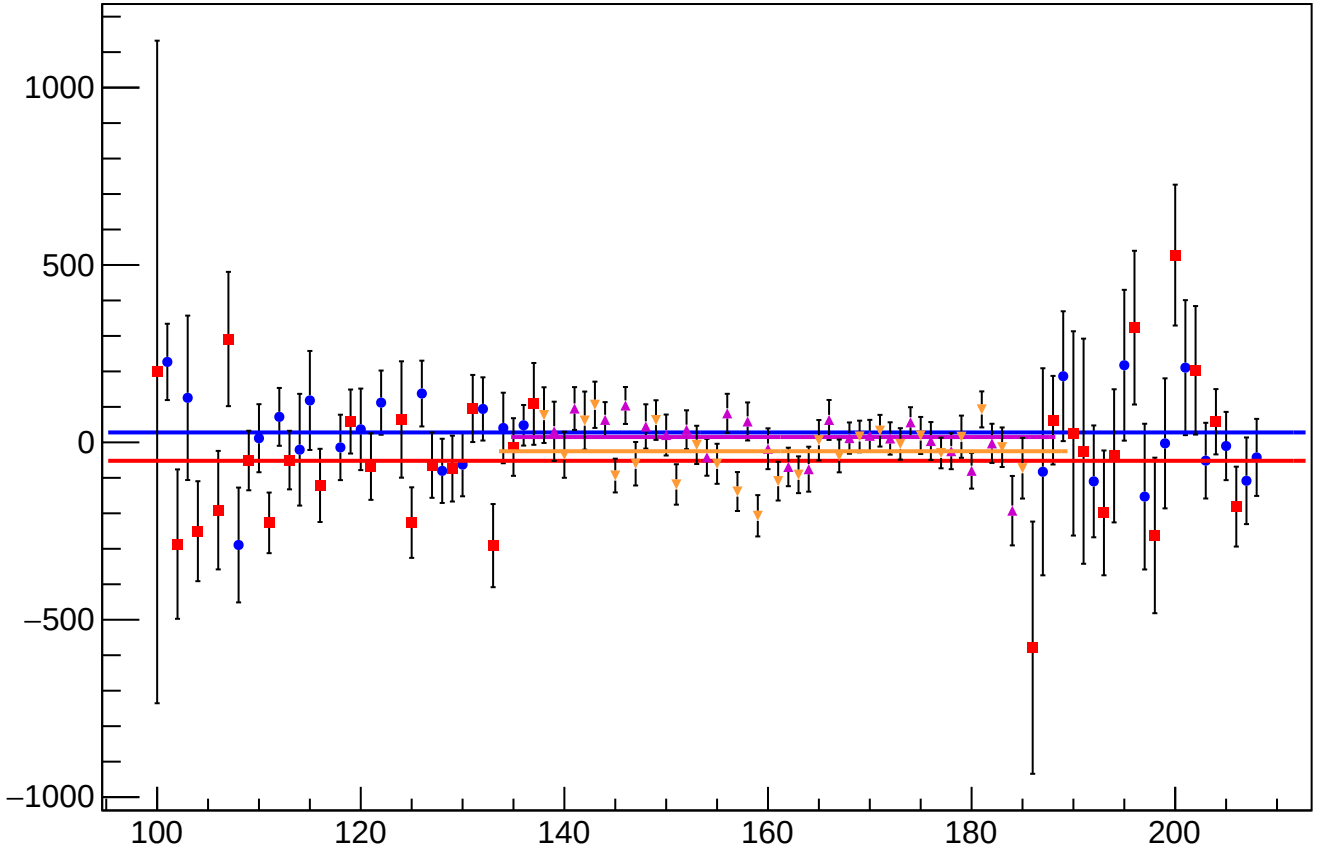
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14308640.6/51

All: 0.000+/-0.000 χ^2/NDF: 31141036.9/105

- sign 0.000+/-0.000 χ^2/NDF: 16831168.7/53

reg_asym_sam_37_dd_mean vs Slug



Right In: 27.977+/-21.132 χ^2/NDF: 20.5/26

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -51.993+/-21.683 χ^2/NDF: 46.9/30

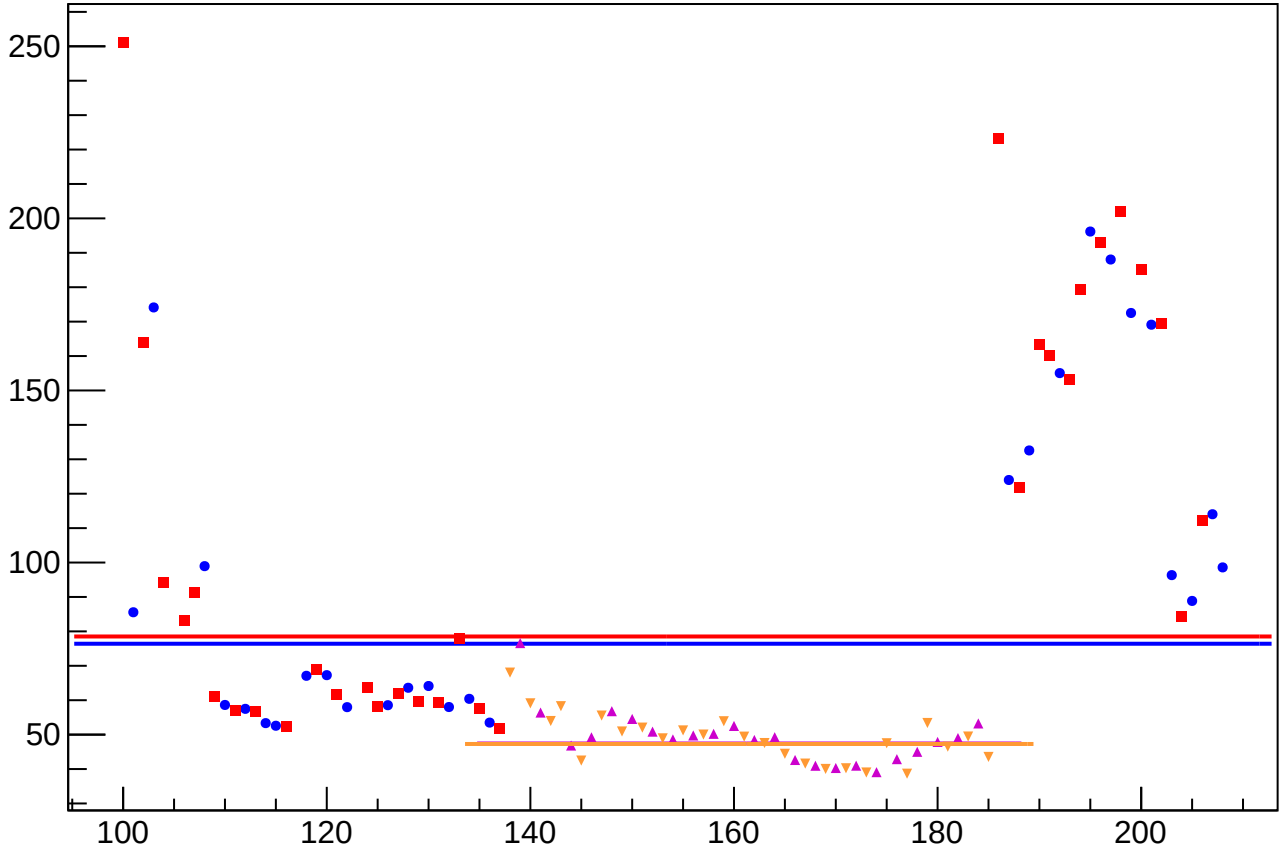
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.877+/-9.678 χ^2/NDF: 68.5/51

All: -6.727+/-6.942 χ^2/NDF: 148.8/105

- sign 0.850+/-9.964 χ^2/NDF: 79.1/53

reg_asym_sam_37_dd_rms vs Slug



Right In: 76.407+/-0.015 χ^2/NDF: 4779407.5/26

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 78.516+/-0.015 χ^2/NDF: 5844095.0/30

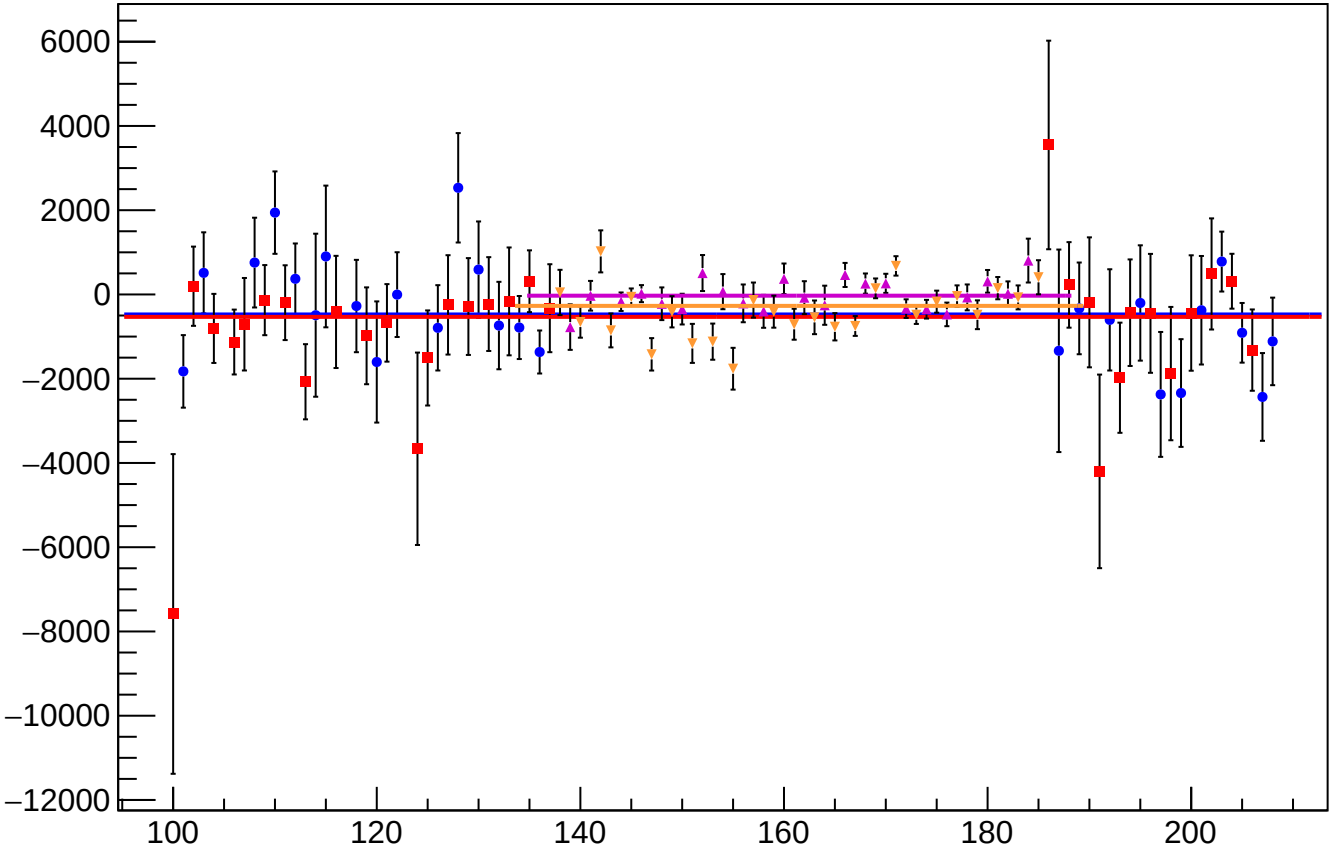
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 53.393+/-0.007 χ^2/NDF: 8498593.6/51

All: 53.683+/-0.005 χ^2/NDF: 18245769.6/105

- sign 53.990+/-0.007 χ^2/NDF: 9743486.0/53

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -475.030+/-191.338 χ^2/NDF: 34.5/26

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -531.916+/-193.484 χ^2/NDF: 23.4/30

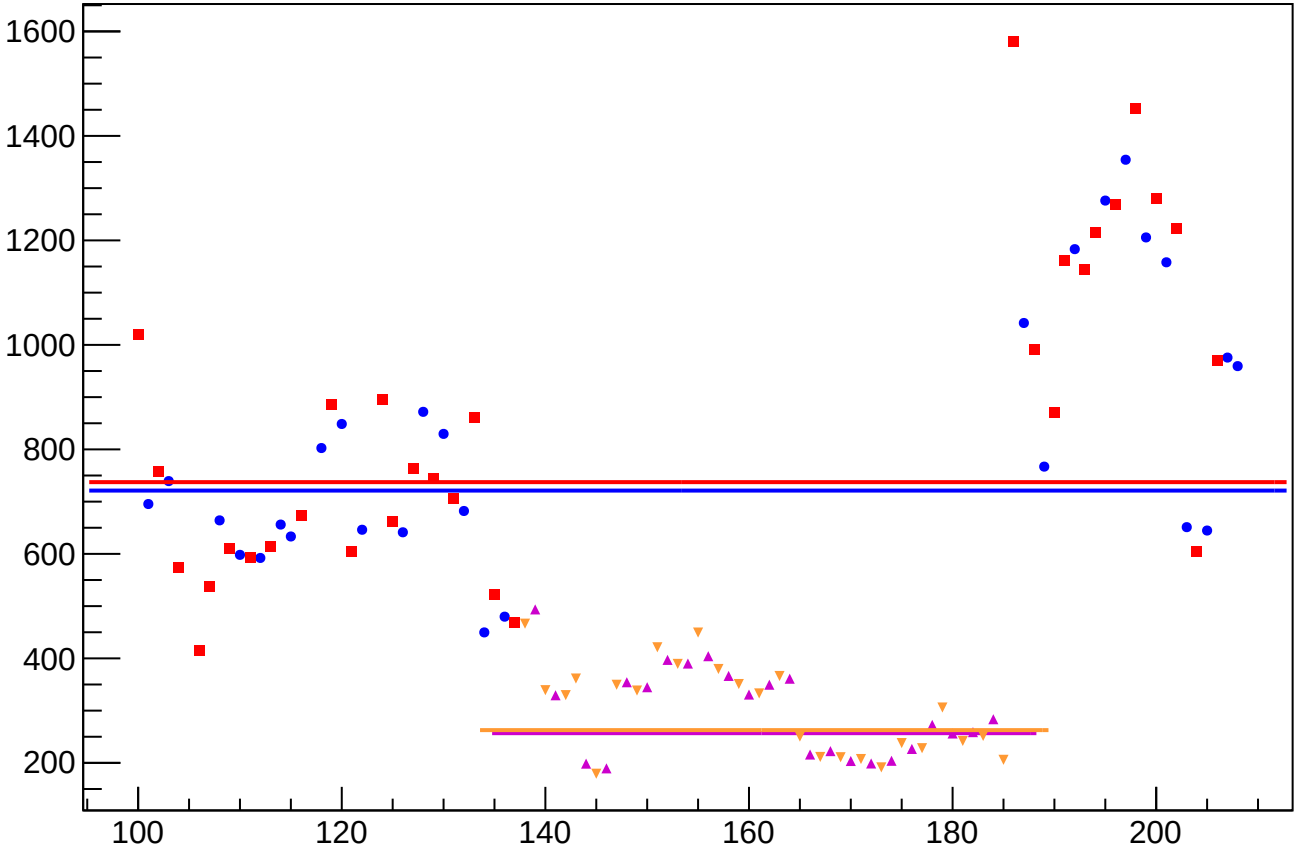
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -290.612+/-59.278 χ^2/NDF: 109.4/51

All: -184.389+/-42.037 χ^2/NDF: 169.8/105

- sign -76.935+/-59.621 χ^2/NDF: 53.9/53

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 721.161+/-0.135 χ^2/NDF: 2716463.3/26

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 737.321+/-0.137 χ^2/NDF: 3465353.3/30

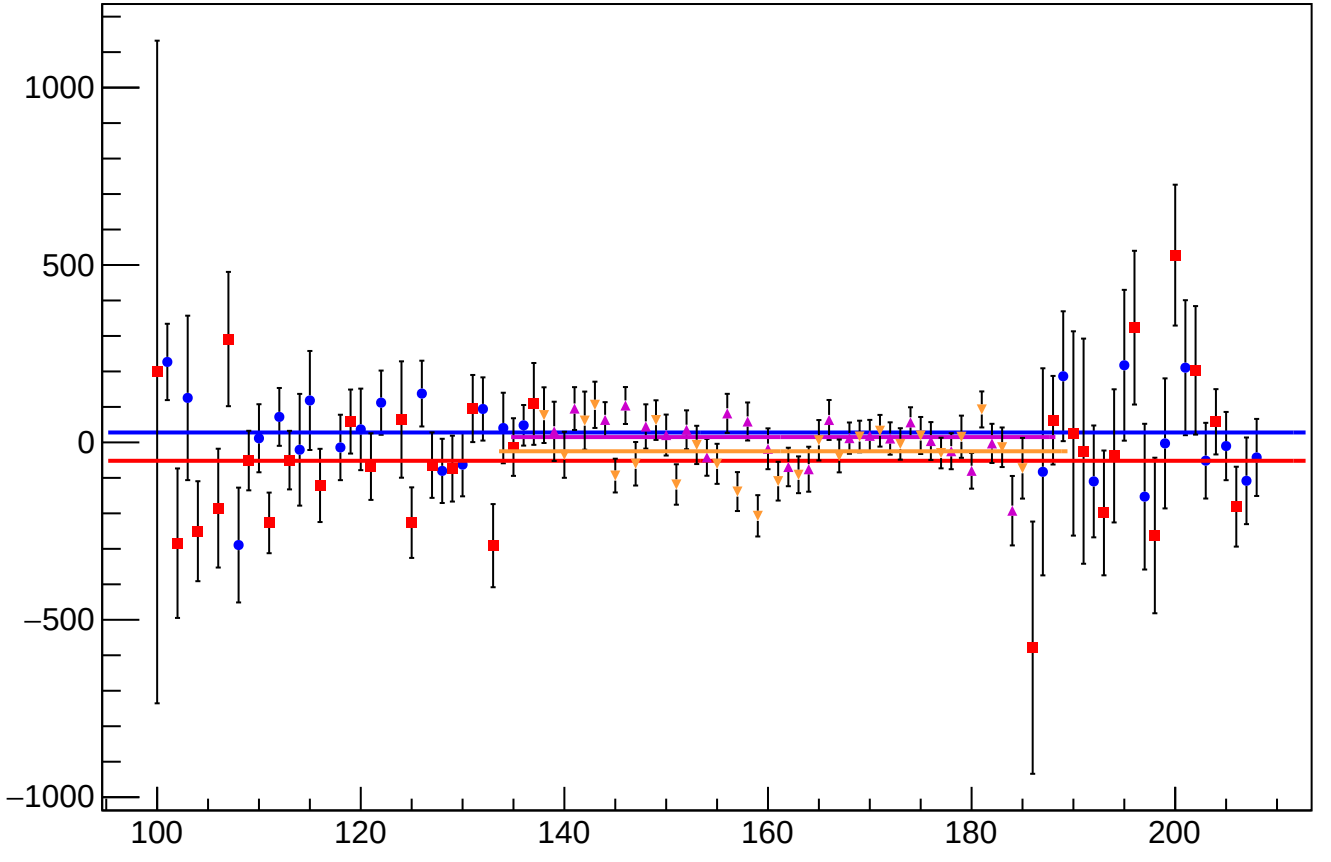
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 306.685+/-0.042 χ^2/NDF: 15990997.0/51

All: 304.587+/-0.030 χ^2/NDF: 33263025.6/10

- sign 302.465+/-0.042 χ^2/NDF: 17266990.1/53

cor_asym_sam_37_dd_mean vs Slug



Right In: 27.970+/-21.132 χ^2/NDF: 20.5/26

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -51.849+/-21.685 χ^2/NDF: 46.8/30

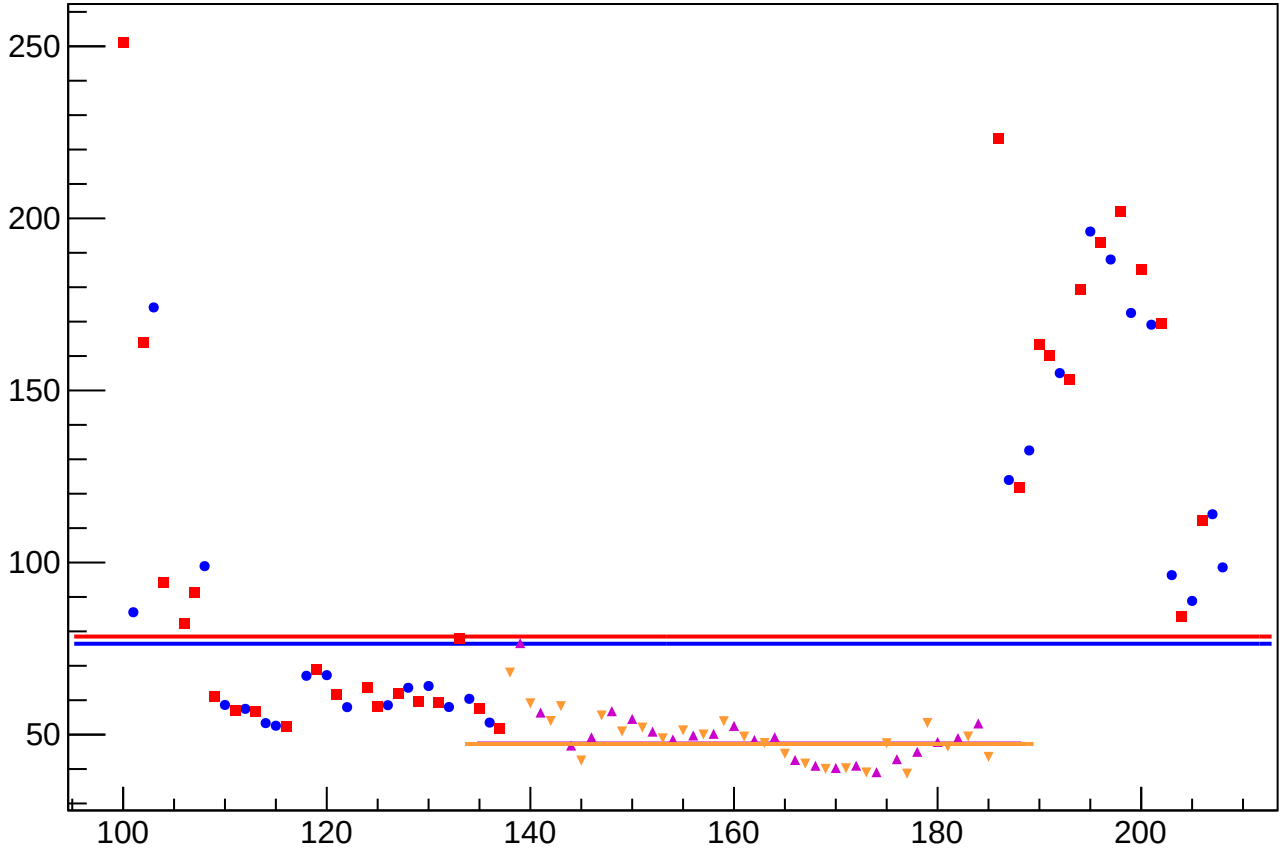
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.876+/-9.678 χ^2/NDF: 68.5/51

All: -6.712+/-6.942 χ^2/NDF: 148.6/105

- sign 0.880+/-9.964 χ^2/NDF: 79.0/53

cor_asym_sam_37_dd_rms vs Slug



Right In: 76.407+/-0.015 χ^2/NDF: 4779409.9/26

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

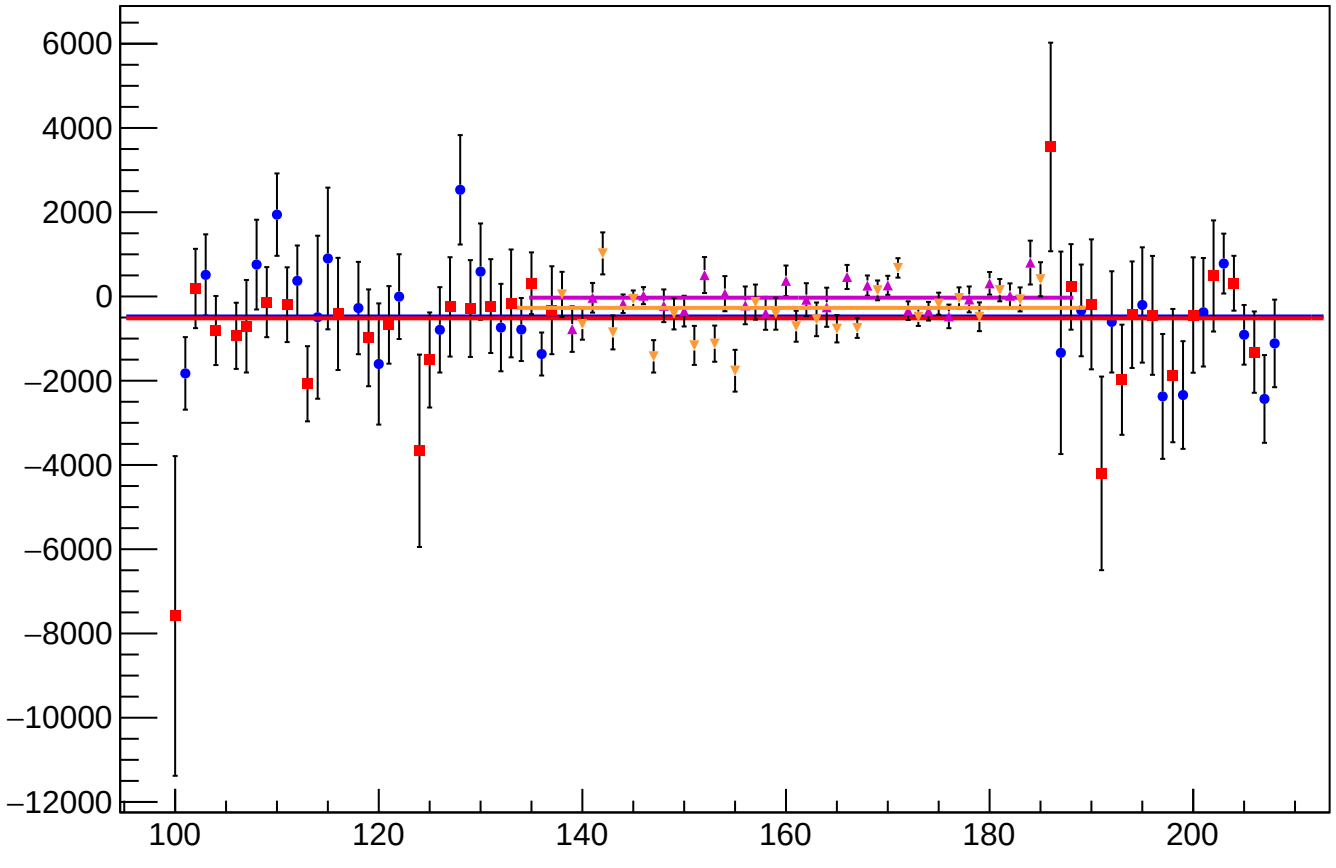
Right Out: 78.498+/-0.015 χ^2/NDF: 5843657.0/30

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 53.393+/-0.007 χ^2/NDF: 8498595.3/51

All: 53.680+/-0.005 χ^2/NDF: 18241362.6/105

- sign 53.985+/-0.007 χ^2/NDF: 9739129.2/53



Right In: -475.031+/-191.338 χ^2/NDF: 34.5/26

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -518.964+/-193.732 χ^2/NDF: 23.0/30

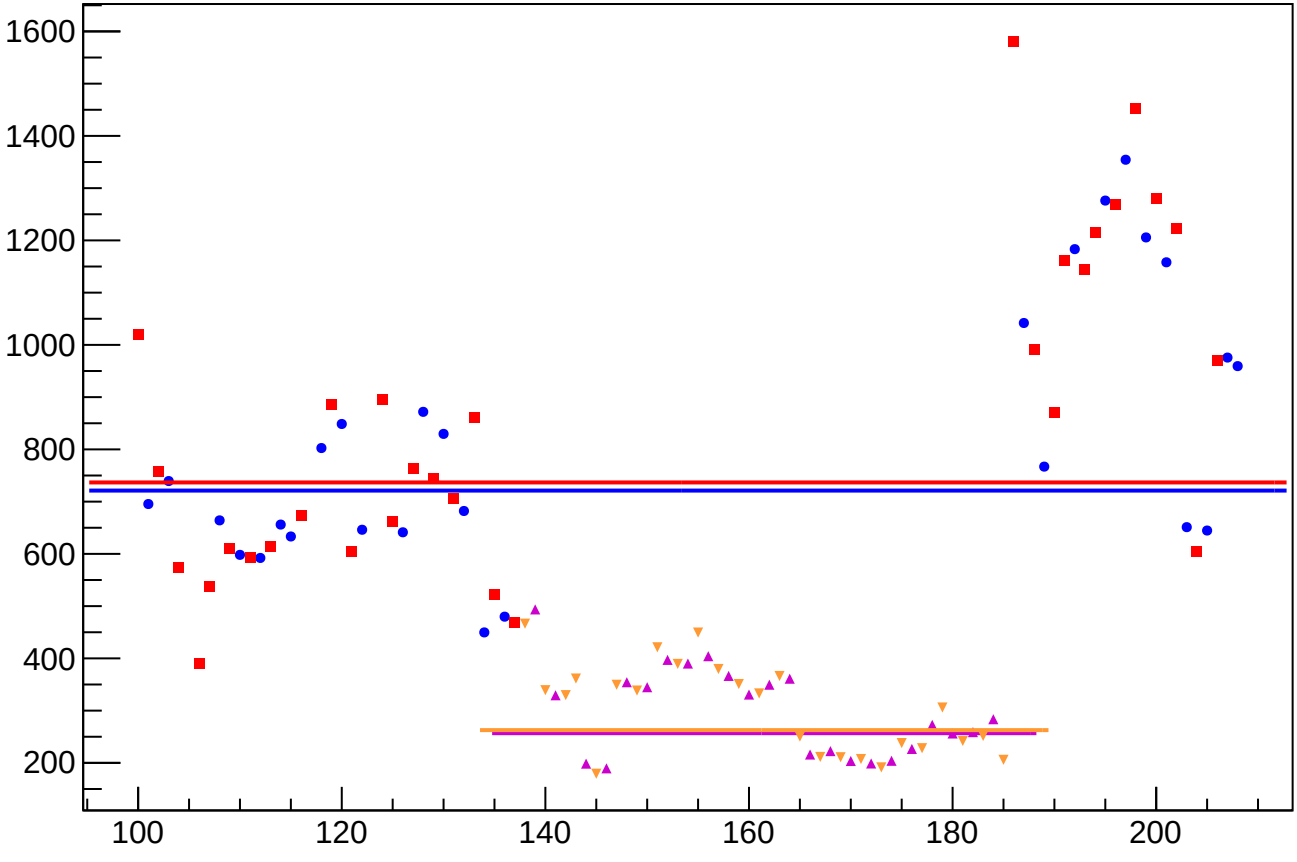
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -290.607+/-59.278 χ^2/NDF: 109.4/51

All: -183.736+/-42.039 χ^2/NDF: 169.2/105

- sign -75.599+/-59.628 χ^2/NDF: 53.2/53

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 721.164+/-0.135 χ^2/NDF: 2716468.5/26

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 736.725+/-0.137 χ^2/NDF: 3502471.2/30

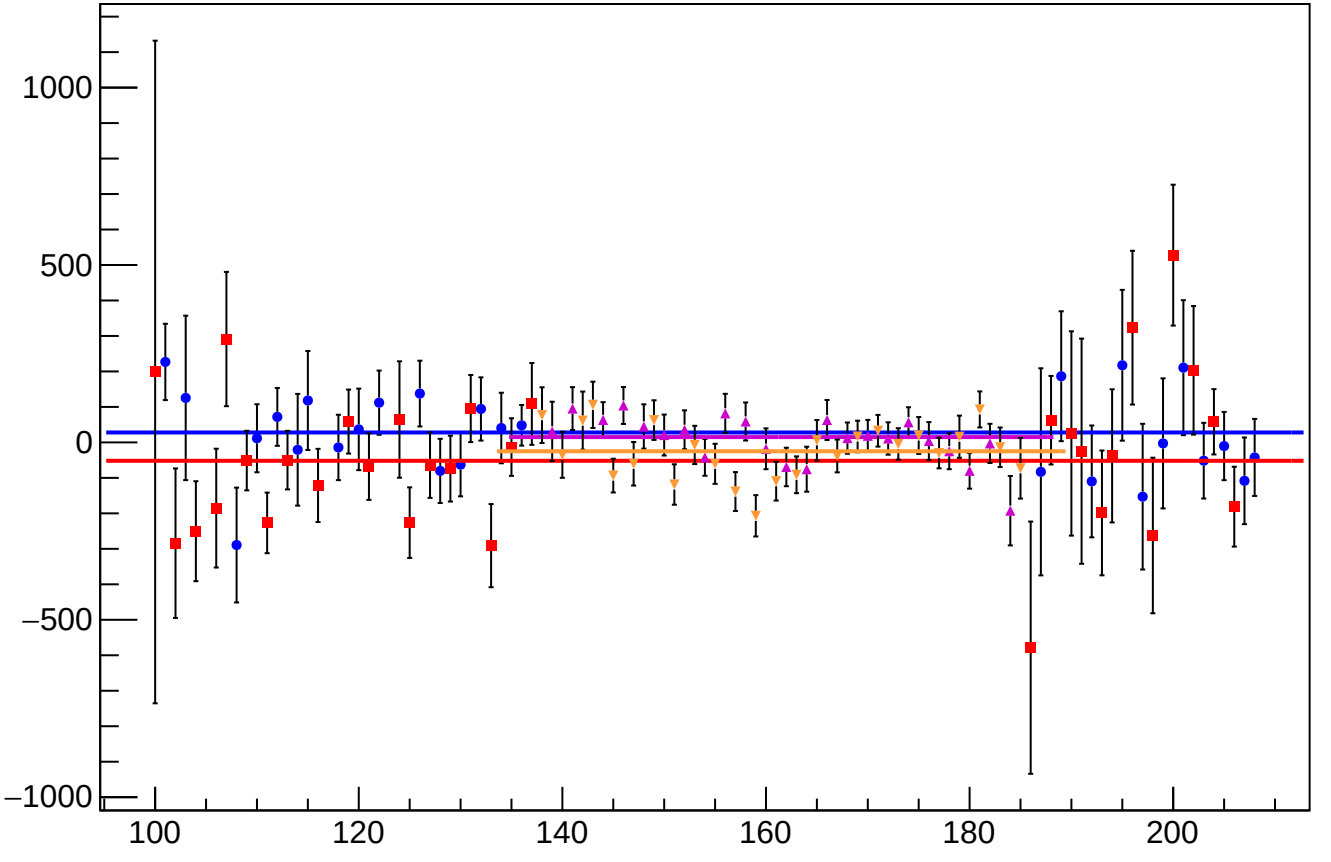
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 306.685+/-0.042 χ^2/NDF: 15991054.2/51

All: 304.507+/-0.030 χ^2/NDF: 33247138.6/10

- sign 302.303+/-0.042 χ^2/NDF: 17250652.6/53

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 27.970+/-21.132 χ^2/NDF: 20.5/26

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -51.849+/-21.685 χ^2/NDF: 46.8/30

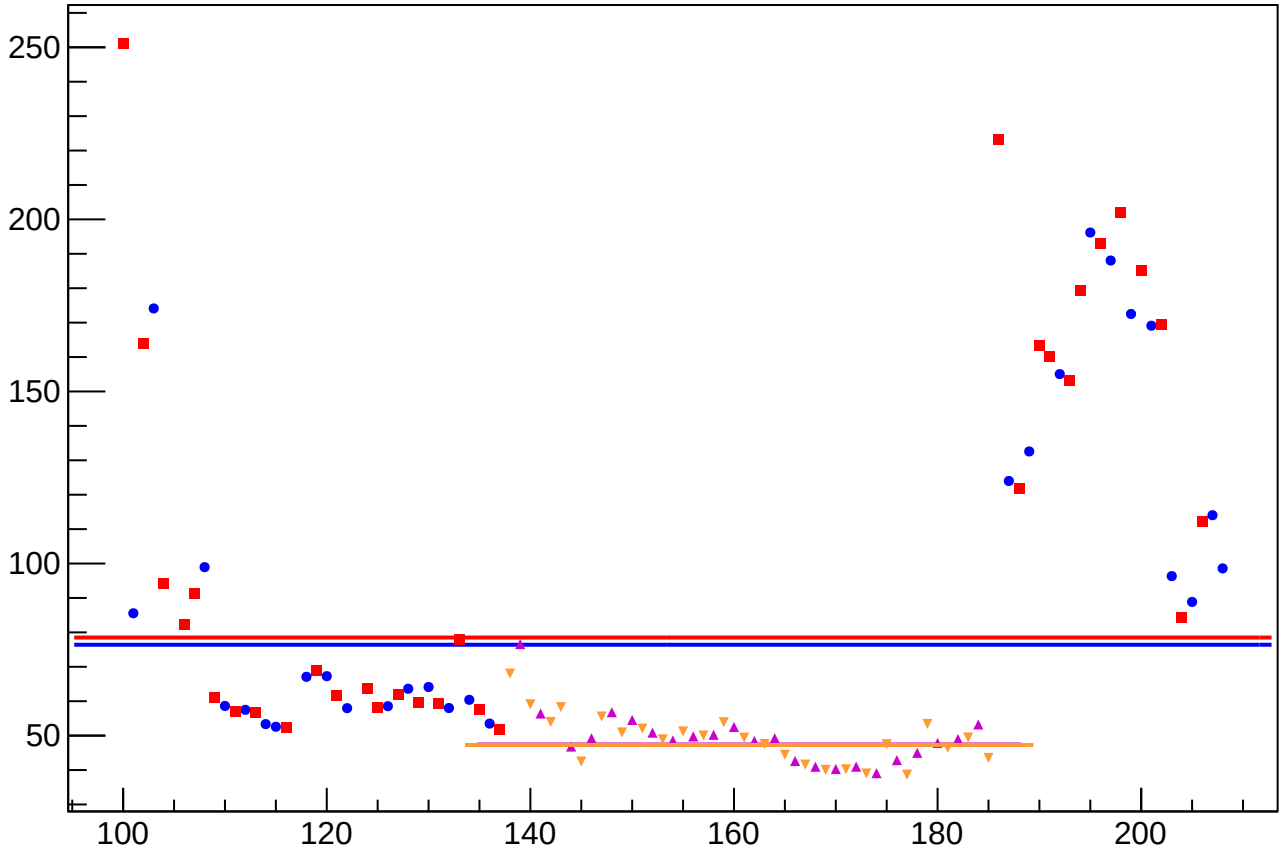
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.876+/-9.678 χ^2/NDF: 68.5/51

All: -6.712+/-6.942 χ^2/NDF: 148.6/105

- sign 0.880+/-9.964 χ^2/NDF: 79.0/53

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 76.407+/-0.015 χ^2/NDF: 4779409.9/26

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

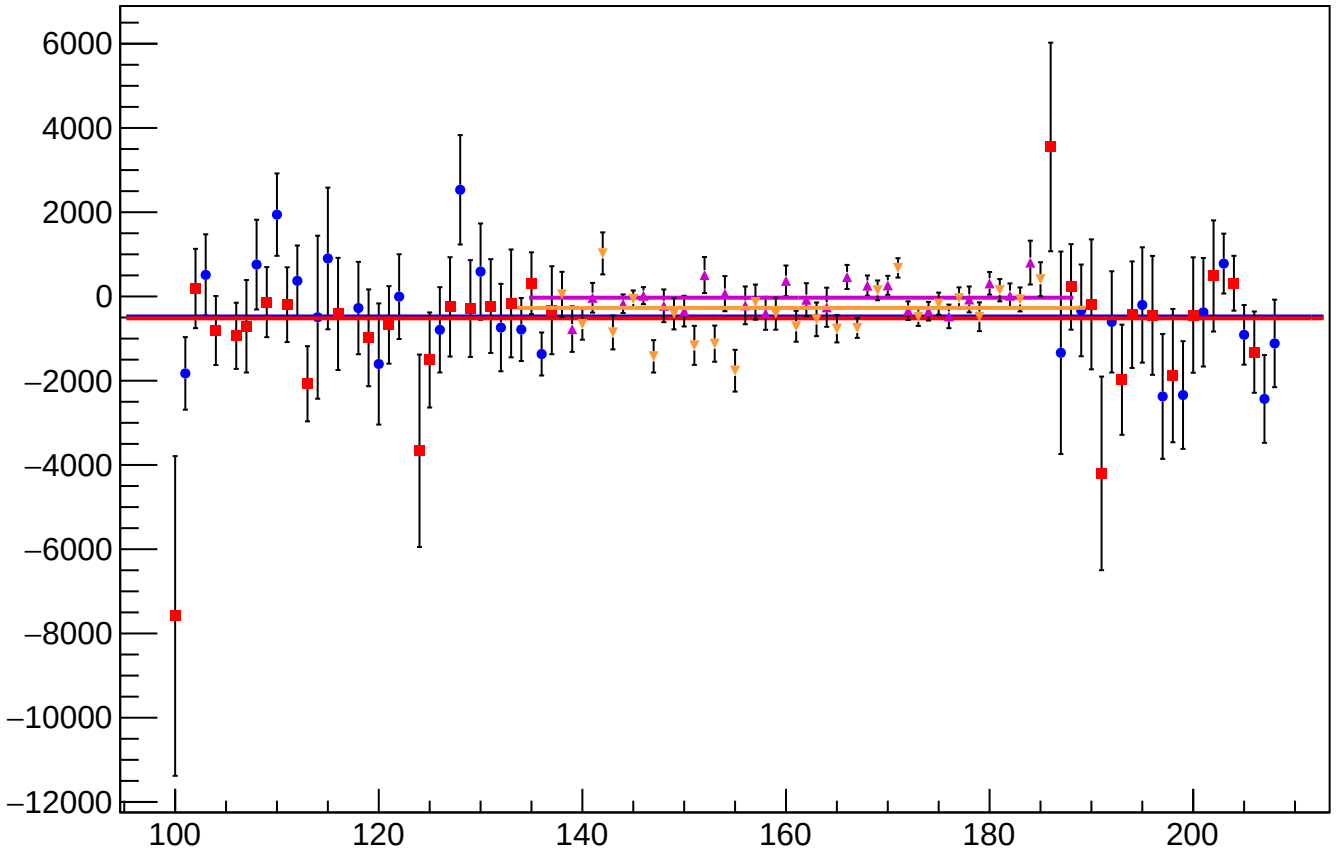
Right Out: 78.498+/-0.015 χ^2/NDF: 5843657.0/30

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 53.393+/-0.007 χ^2/NDF: 8498595.3/51

All: 53.680+/-0.005 χ^2/NDF: 18241362.6/105

- sign 53.985+/-0.007 χ^2/NDF: 9739129.2/53



Right In: -475.031+/-191.338 χ^2/NDF: 34.5/26

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -518.964+/-193.732 χ^2/NDF: 23.0/30

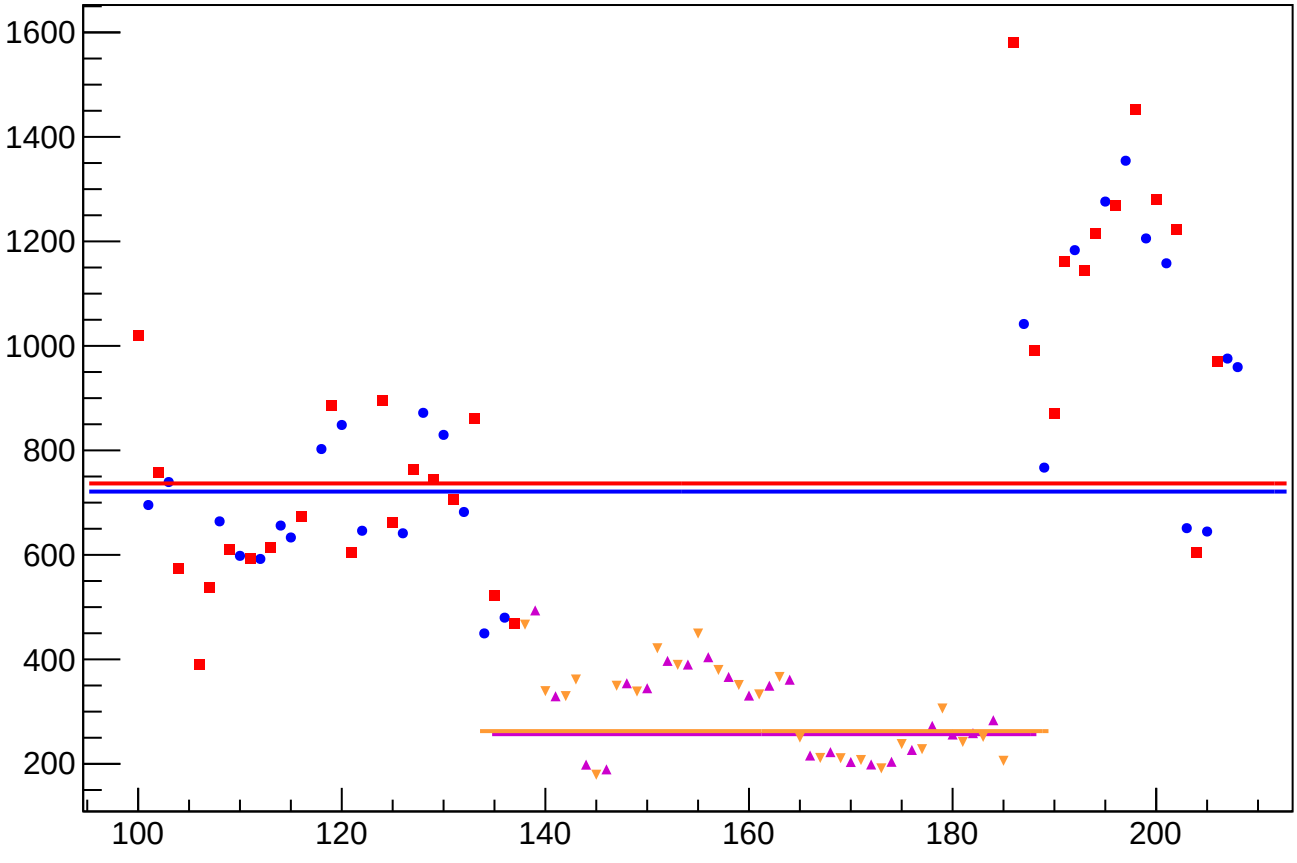
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -290.607+/-59.278 χ^2/NDF: 109.4/51

All: -183.736+/-42.039 χ^2/NDF: 169.2/105

- sign -75.599+/-59.628 χ^2/NDF: 53.2/53

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 721.164+/-0.135 χ^2/NDF: 2716468.5/26

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 736.725+/-0.137 χ^2/NDF: 3502471.2/30

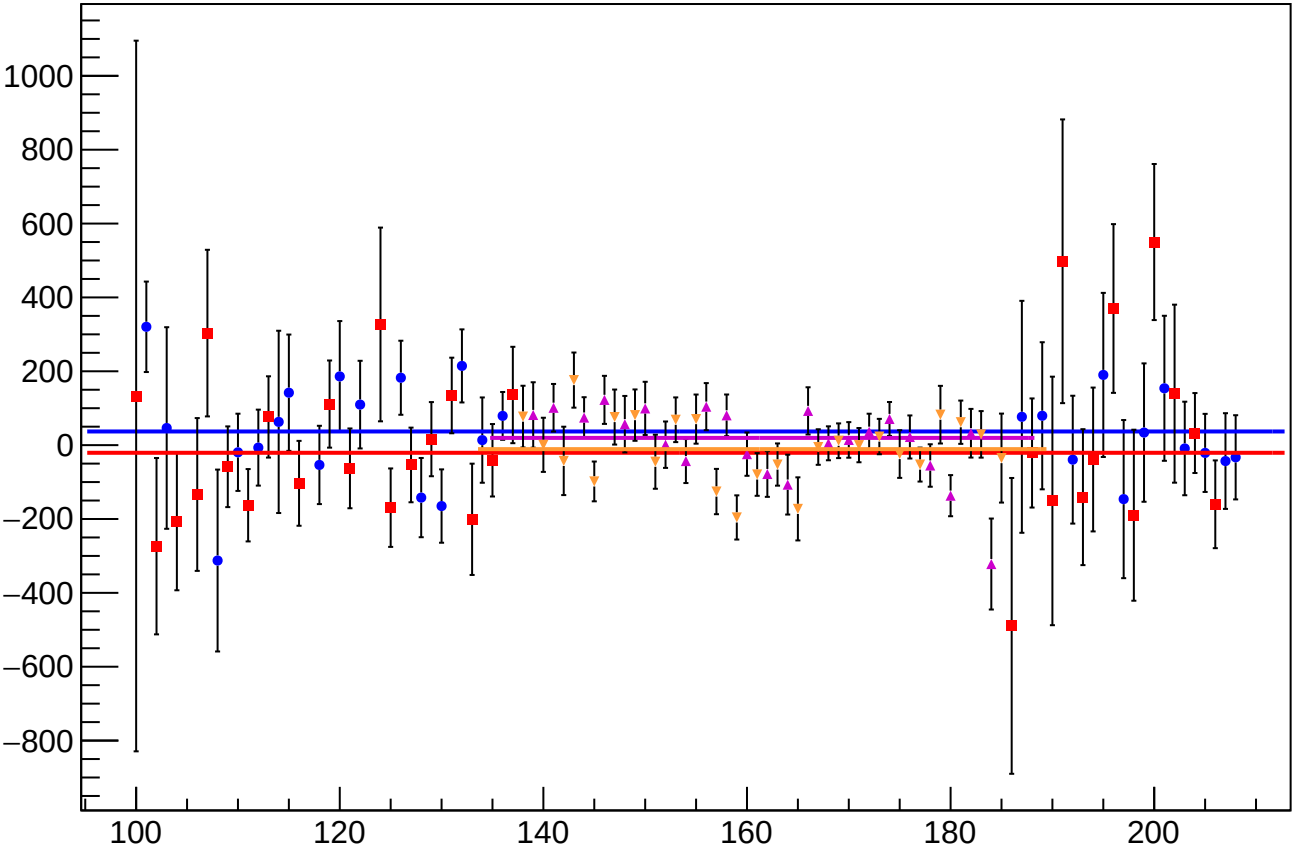
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 306.685+/-0.042 χ^2/NDF: 15991054.2/51

All: 304.507+/-0.030 χ^2/NDF: 33247138.6/10

- sign 302.303+/-0.042 χ^2/NDF: 17250652.6/53

dit_asym_sam_37_dd_mean vs Slug



Right In: 37.017+/-24.248 χ^2/NDF: 26.1/26

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -20.720+/-25.370 χ^2/NDF: 35.2/30

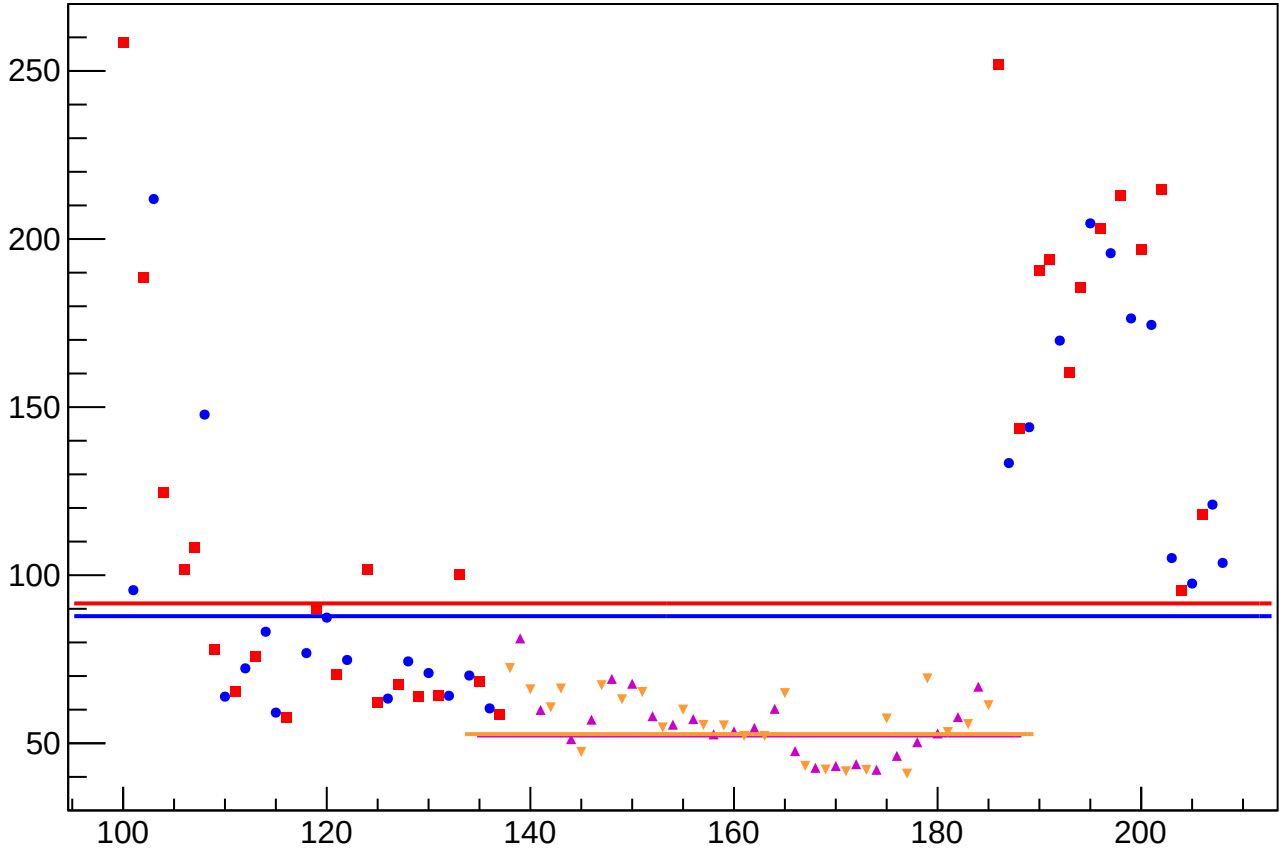
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -1.025+/-10.974 χ^2/NDF: 69.6/51

All: 5.170+/-7.854 χ^2/NDF: 144.2/105

- sign 11.676+/-11.246 χ^2/NDF: 74.0/53

dit_asym_sam_37_dd_rms vs Slug



Right In: 87.811+/-0.017 χ^2/NDF: 4304129.9/26

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 91.612+/-0.018 χ^2/NDF: 5527425.2/30

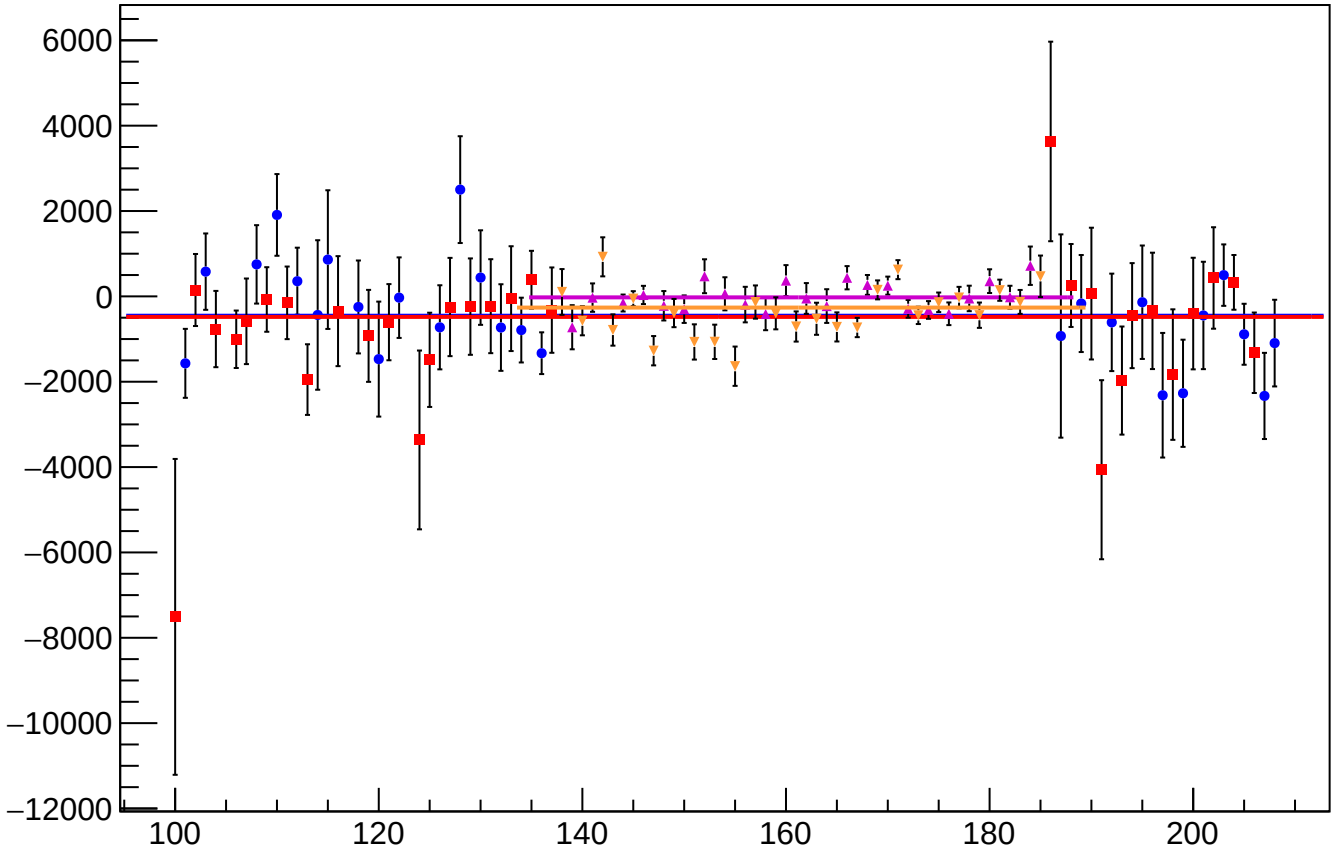
Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 59.916+/-0.008 χ^2/NDF: 8799953.8/51

All: 59.974+/-0.006 χ^2/NDF: 19075123.1/105

- sign 60.035+/-0.008 χ^2/NDF: 10275053.2/53

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -453.610+/-185.278 χ^2/NDF: 33.2/26

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -481.063+/-184.175 χ^2/NDF: 25.2/30

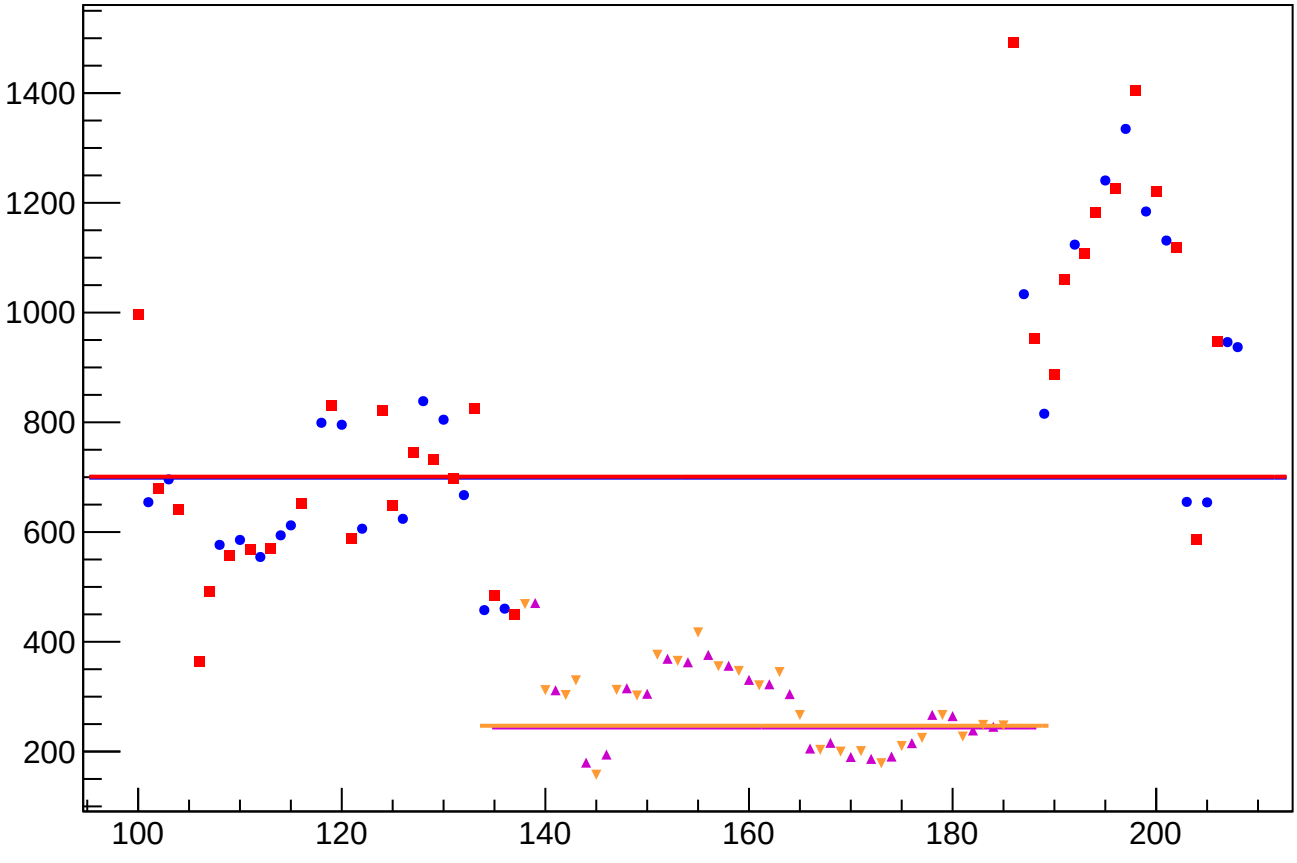
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -279.900+/-55.786 χ^2/NDF: 106.4/51

All: -174.651+/-39.707 χ^2/NDF: 168.6/105

- sign -66.578+/-56.530 χ^2/NDF: 55.0/53

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 699.138+/-0.131 χ^2/NDF: 2760281.1/26

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 700.922+/-0.130 χ^2/NDF: 3663919.7/30

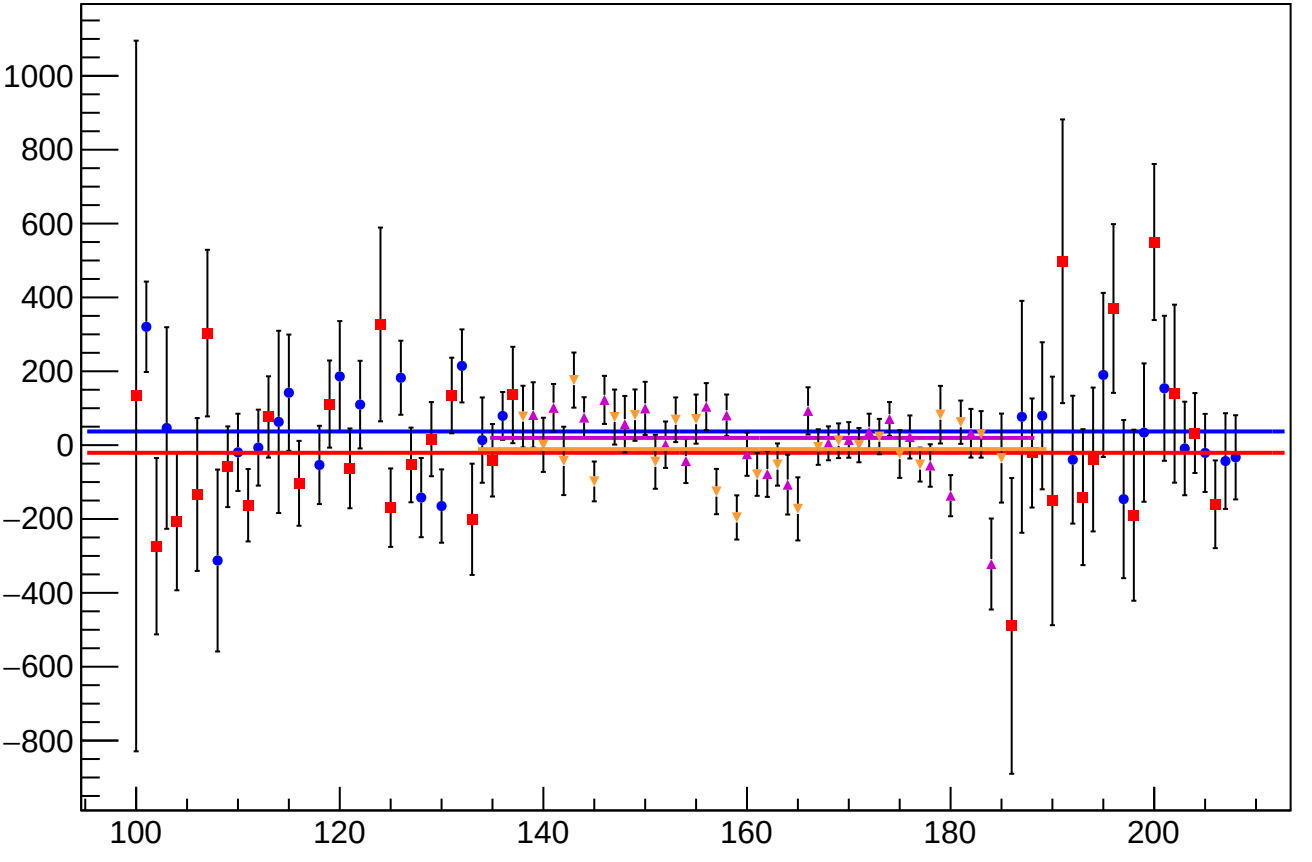
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 287.986+/-0.039 χ^2/NDF: 16516759.8/51

All: 287.444+/-0.028 χ^2/NDF: 33830300.2/10

- sign 286.888+/-0.040 χ^2/NDF: 17313158.2/53

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 37.017+/-24.248 χ^2/NDF: 26.1/26

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: -20.719+/-25.370 χ^2/NDF: 35.2/30

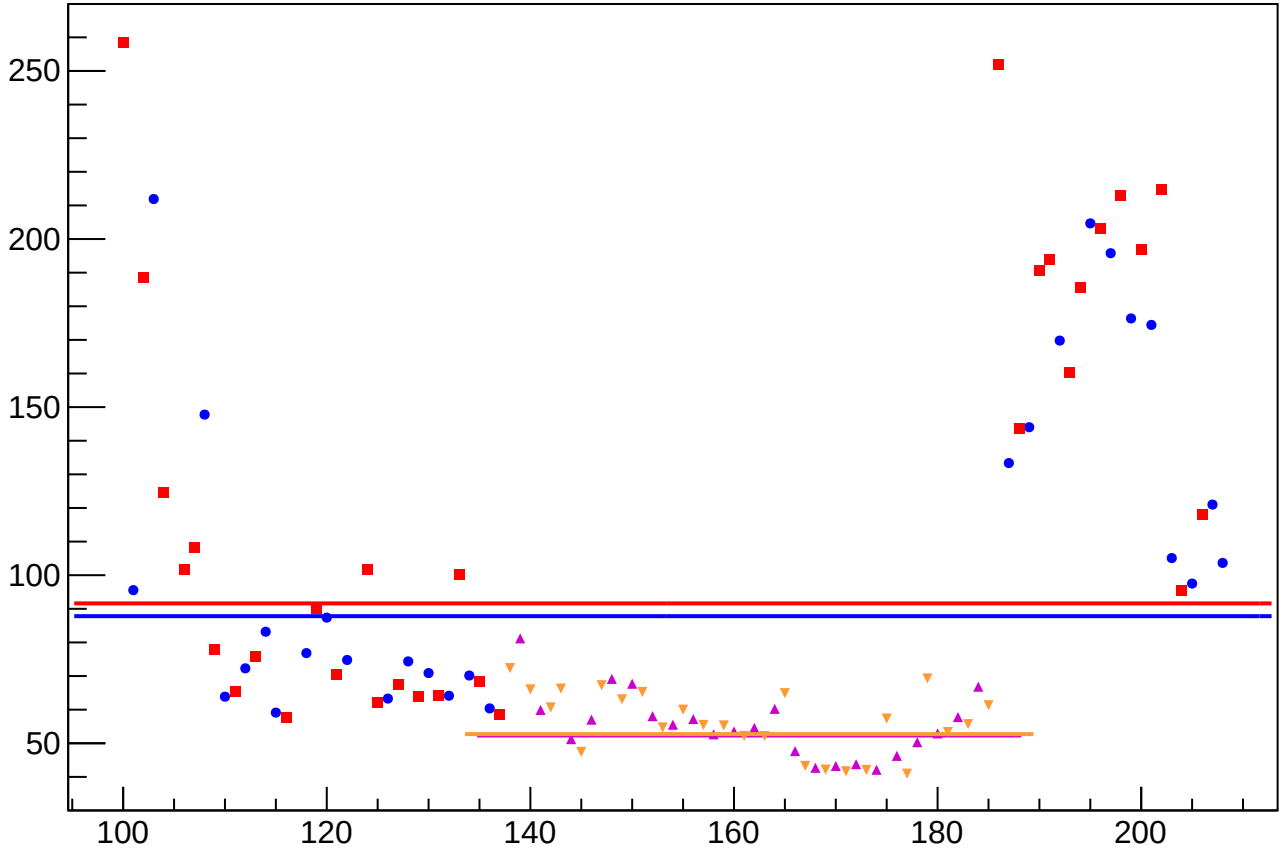
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -1.025+/-10.974 χ^2/NDF: 69.6/51

All: 5.170+/-7.854 χ^2/NDF: 144.2/105

- sign 11.676+/-11.246 χ^2/NDF: 74.0/53

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 87.811+/-0.017 χ^2/NDF: 4304154.1/26

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

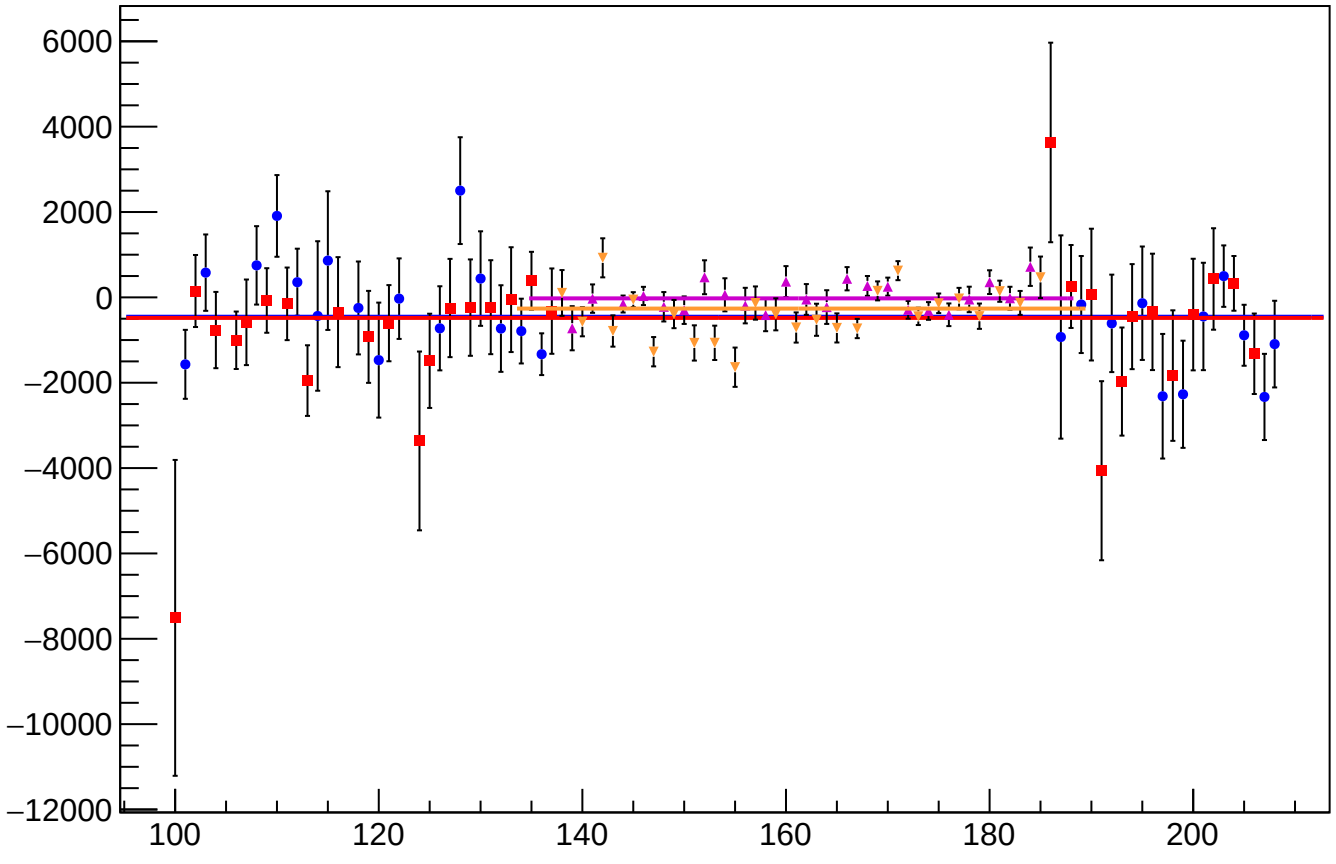
Right Out: 91.612+/-0.018 χ^2/NDF: 5527427.5/30

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 59.916+/-0.008 χ^2/NDF: 8799968.8/51

All: 59.974+/-0.006 χ^2/NDF: 19075124.5/105

- sign 60.035+/-0.008 χ^2/NDF: 10275039.6/53



Right In: -453.610+/-185.278 χ^2/NDF: 33.2/26

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

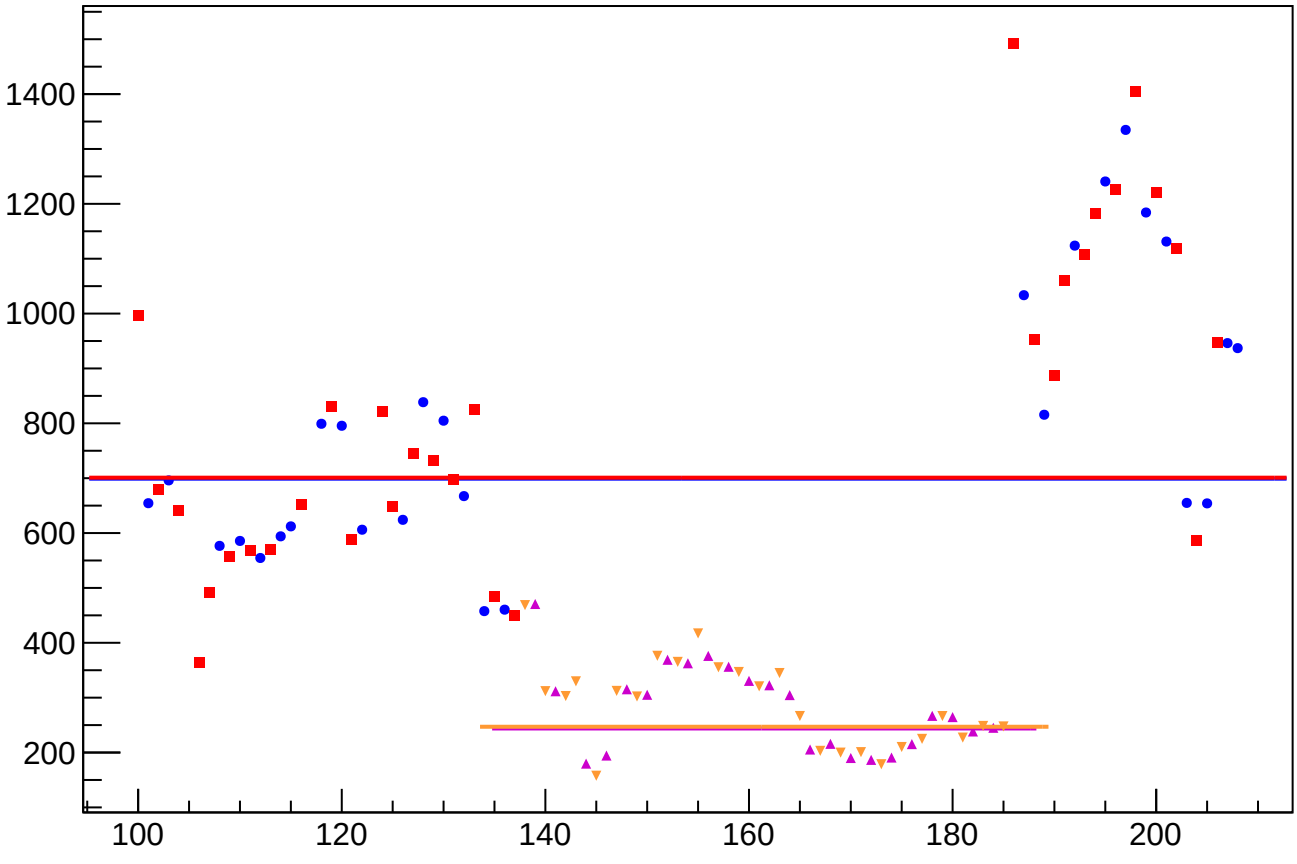
Right Out: -481.063+/-184.175 χ^2/NDF: 25.2/30

Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -279.900+/-55.786 χ^2/NDF: 106.4/51

All: -174.651+/-39.707 χ^2/NDF: 168.6/105

- sign -66.578+/-56.530 χ^2/NDF: 55.0/53



Right In: 699.138+/-0.131 χ^2/NDF: 2760267.7/26

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 700.922+/-0.130 χ^2/NDF: 3663911.1/30

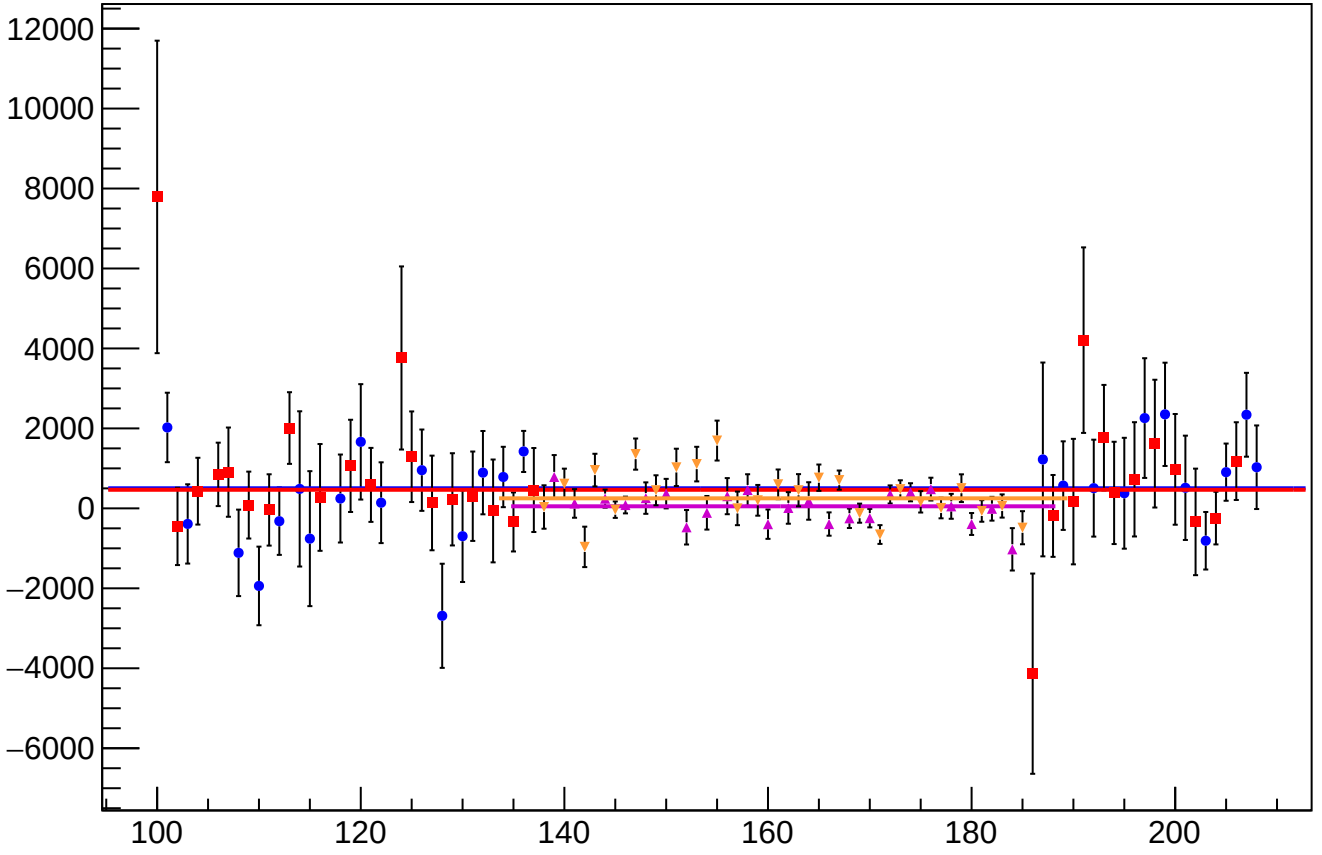
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 287.985+/-0.039 χ^2/NDF: 16516749.8/51

All: 287.444+/-0.028 χ^2/NDF: 33830282.5/10

- sign 286.887+/-0.040 χ^2/NDF: 17313150.3/53

asym_sam_37_dd_mean vs Slug



Right In: 502.247+/-192.999 χ^2/NDF: 35.9/26

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 465.043+/-195.462 χ^2/NDF: 22.9/30

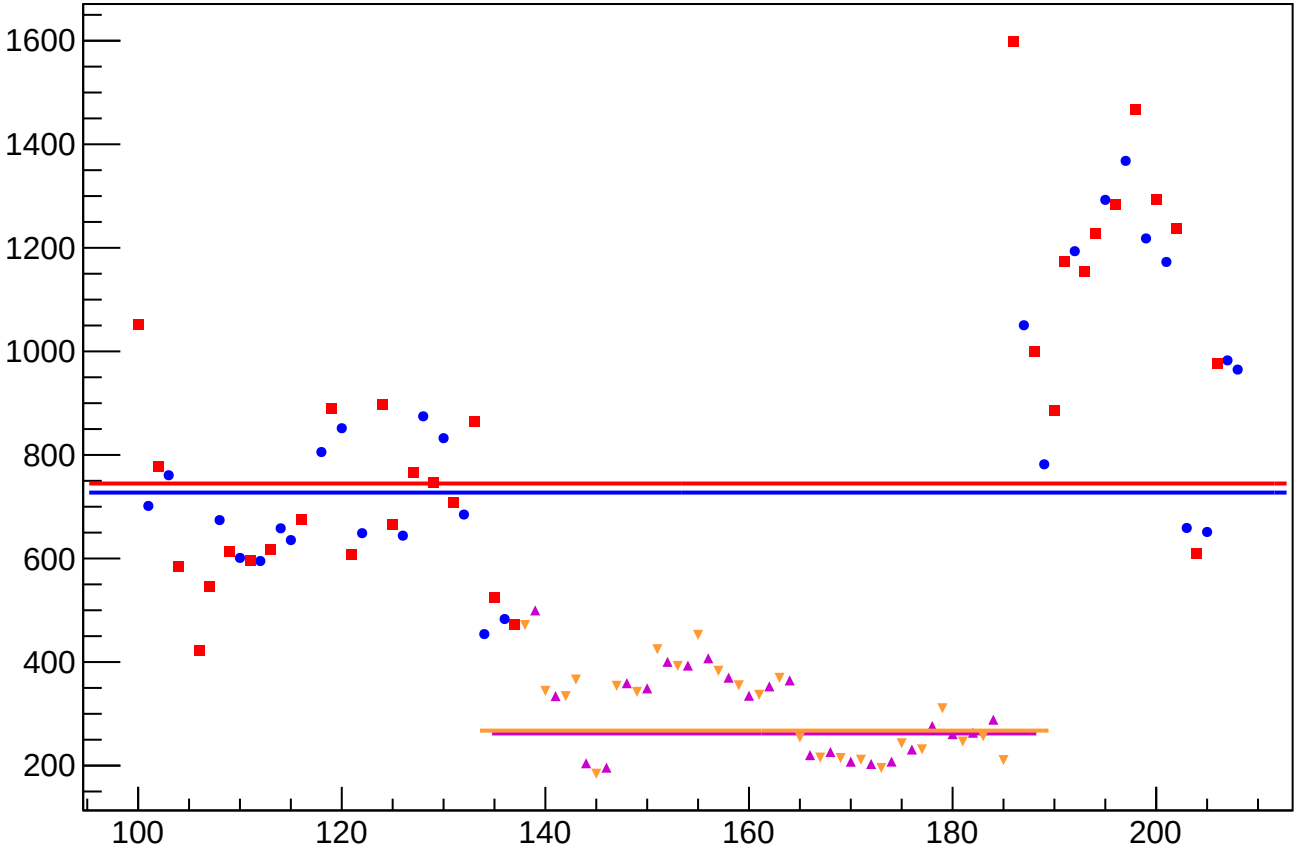
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 275.587+/-60.254 χ^2/NDF: 105.0/51

All: 184.231+/-42.758 χ^2/NDF: 163.3/105

- sign 91.553+/-60.688 χ^2/NDF: 53.7/53

asym_sam_37_dd_rms vs Slug



Right In: 727.308+/-0.136 χ^2/NDF: 2728721.1/26

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

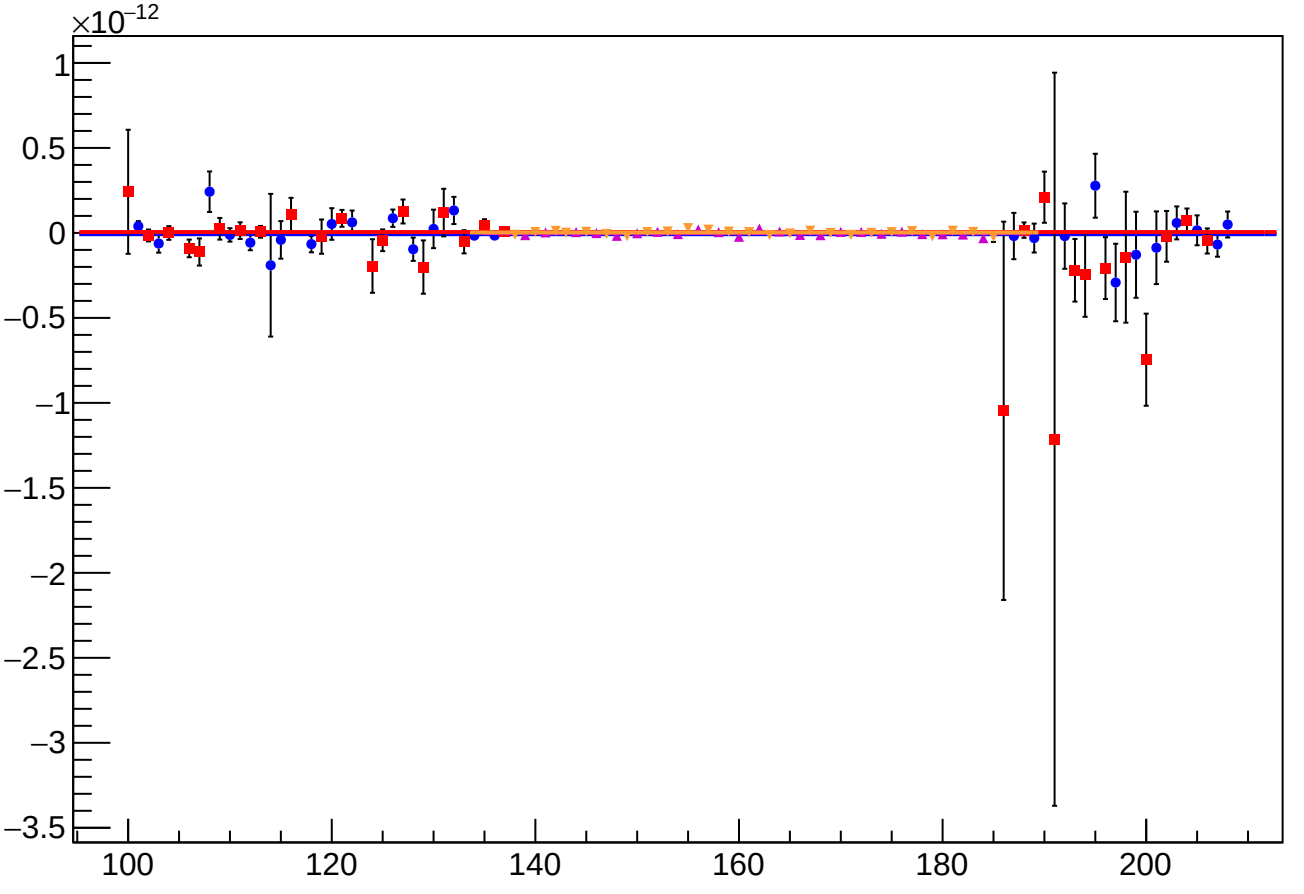
Right Out: 744.815+/-0.138 χ^2/NDF: 3455284.5/30

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 312.396+/-0.043 χ^2/NDF: 15771806.4/51

All: 310.525+/-0.030 χ^2/NDF: 32790808.0/10

- sign 308.627+/-0.043 χ^2/NDF: 17015116.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 27.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

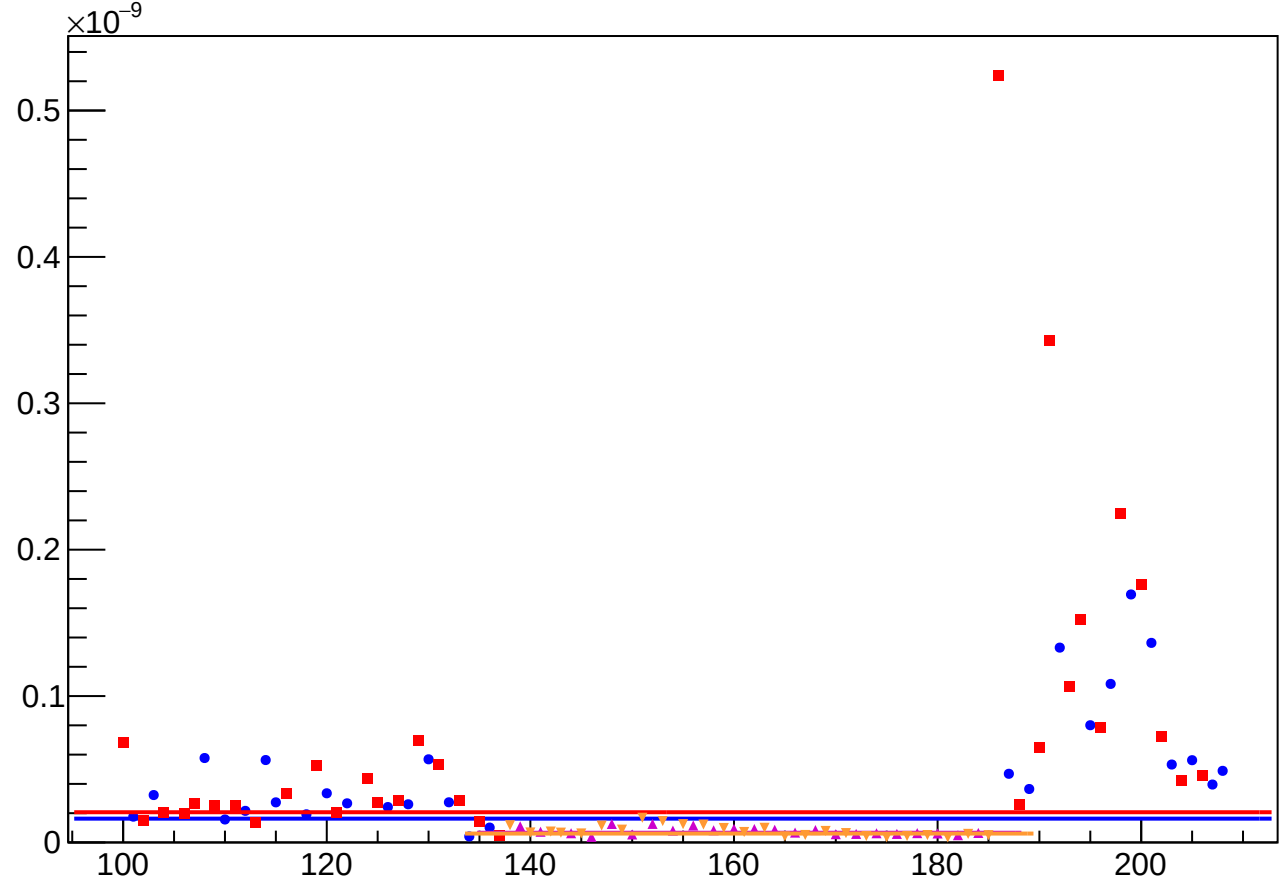
Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/30

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.4/51

All: 0.000+/-0.000 χ^2/NDF: 93.0/105

- sign -0.000+/-0.000 χ^2/NDF: 48.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 6455880.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5559070.8/30

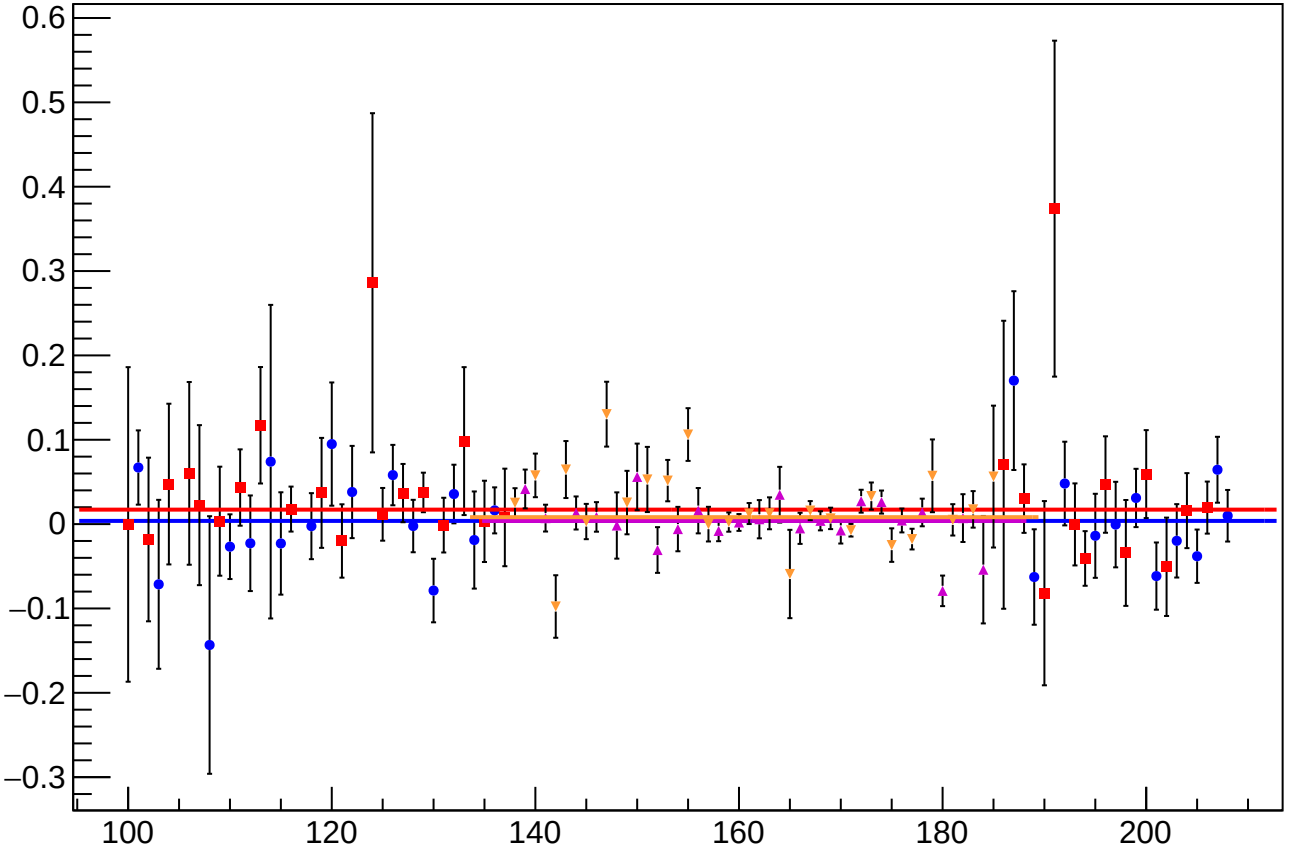
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11246590.3/51

All: 0.000+/-0.000 χ^2/NDF: 21224840.4/105

- sign 0.000+/-0.000 χ^2/NDF: 9907245.9/53

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.008 χ^2/NDF: 27.7/26

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.017+/-0.008 χ^2/NDF: 18.4/30

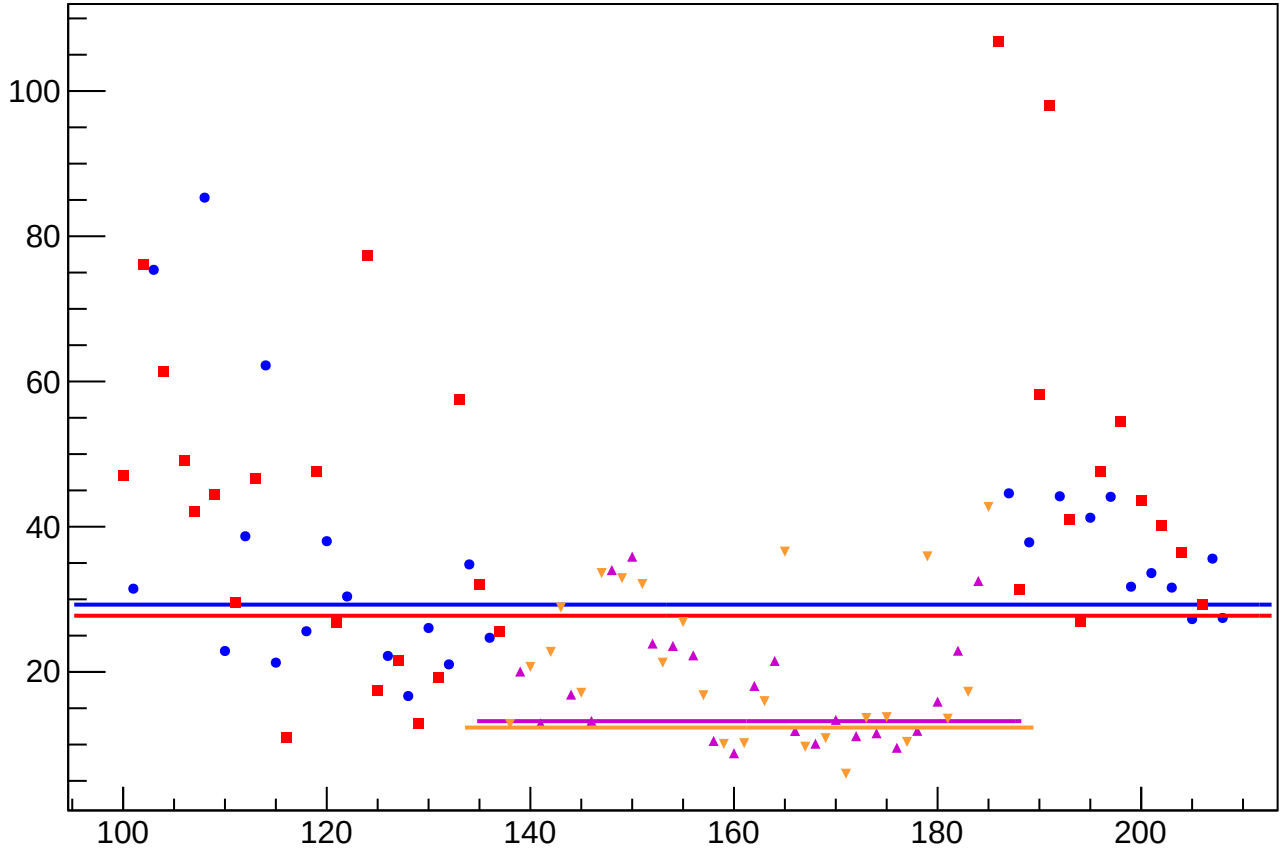
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 86.7/51

All: 0.007+/-0.002 χ^2/NDF: 144.6/105

- sign 0.006+/-0.003 χ^2/NDF: 57.7/53

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.269+/-0.006 χ^2/NDF: 2223827.9/26

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.742+/-0.006 χ^2/NDF: 5714894.1/30

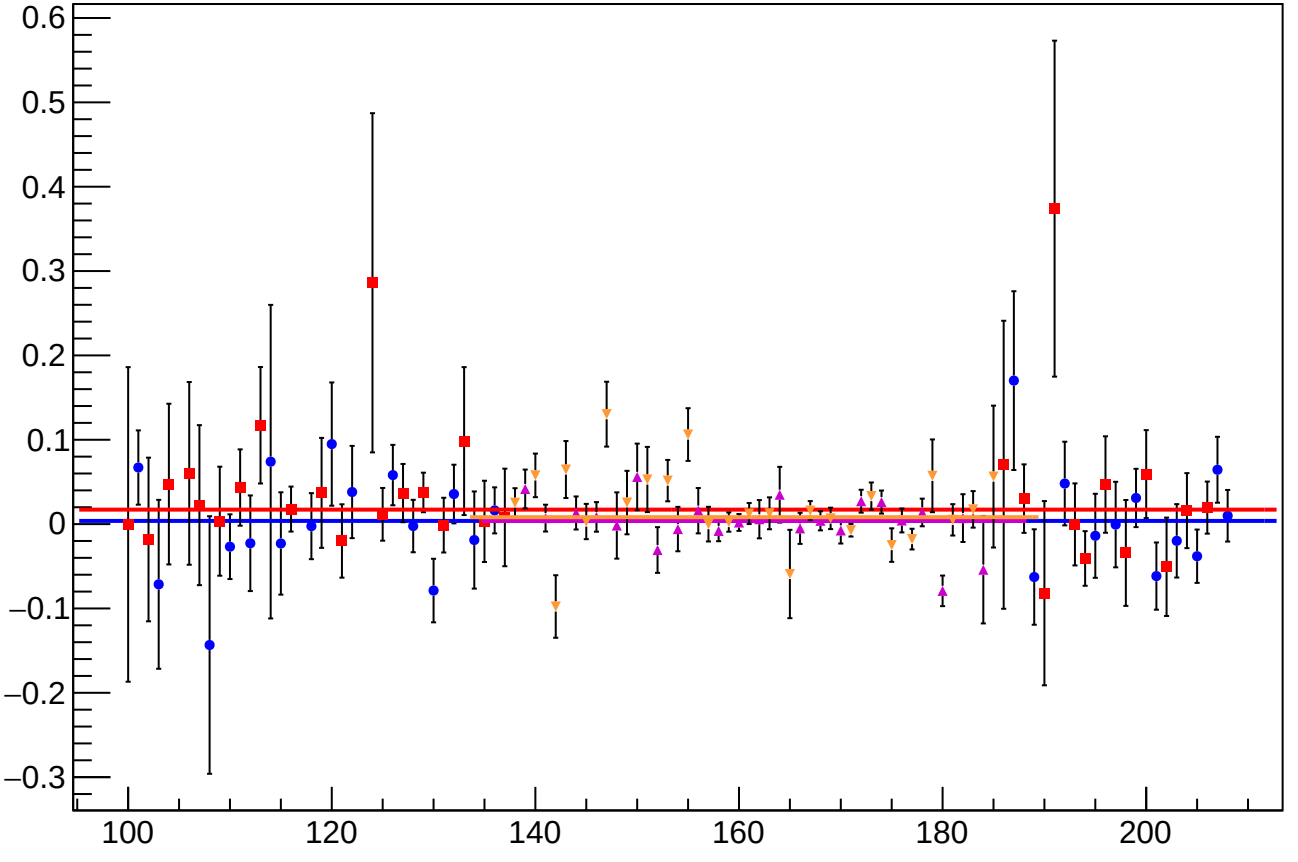
Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.830+/-0.002 χ^2/NDF: 16024697.2/51

All: 15.143+/-0.002 χ^2/NDF: 30622502.7/105

- sign 15.486+/-0.002 χ^2/NDF: 14557445.0/53

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.008 χ^2/NDF: 27.7/26

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.017+/-0.008 χ^2/NDF: 18.4/30

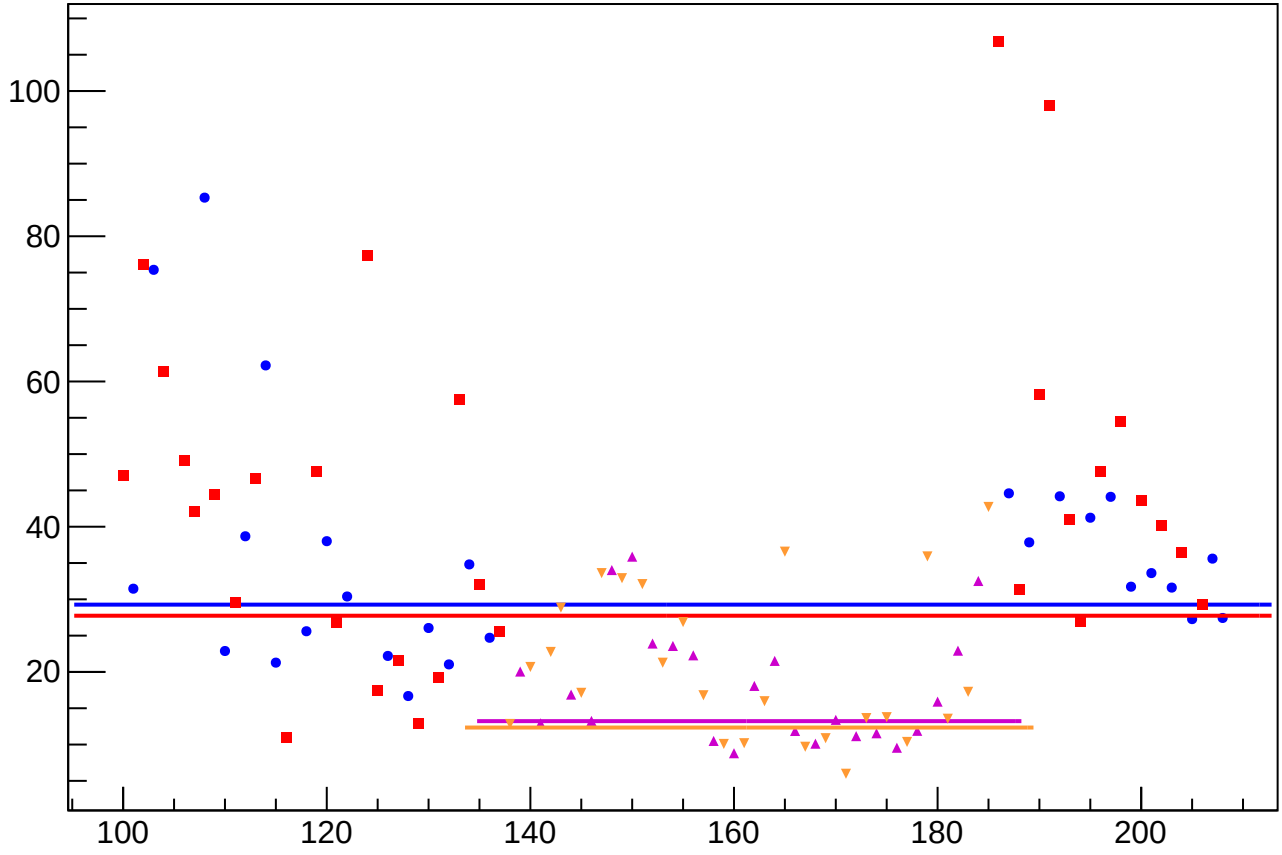
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 86.7/51

All: 0.007+/-0.002 χ^2/NDF: 144.6/105

- sign 0.006+/-0.003 χ^2/NDF: 57.7/53

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.269+/-0.006 χ^2/NDF: 2223827.9/26

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

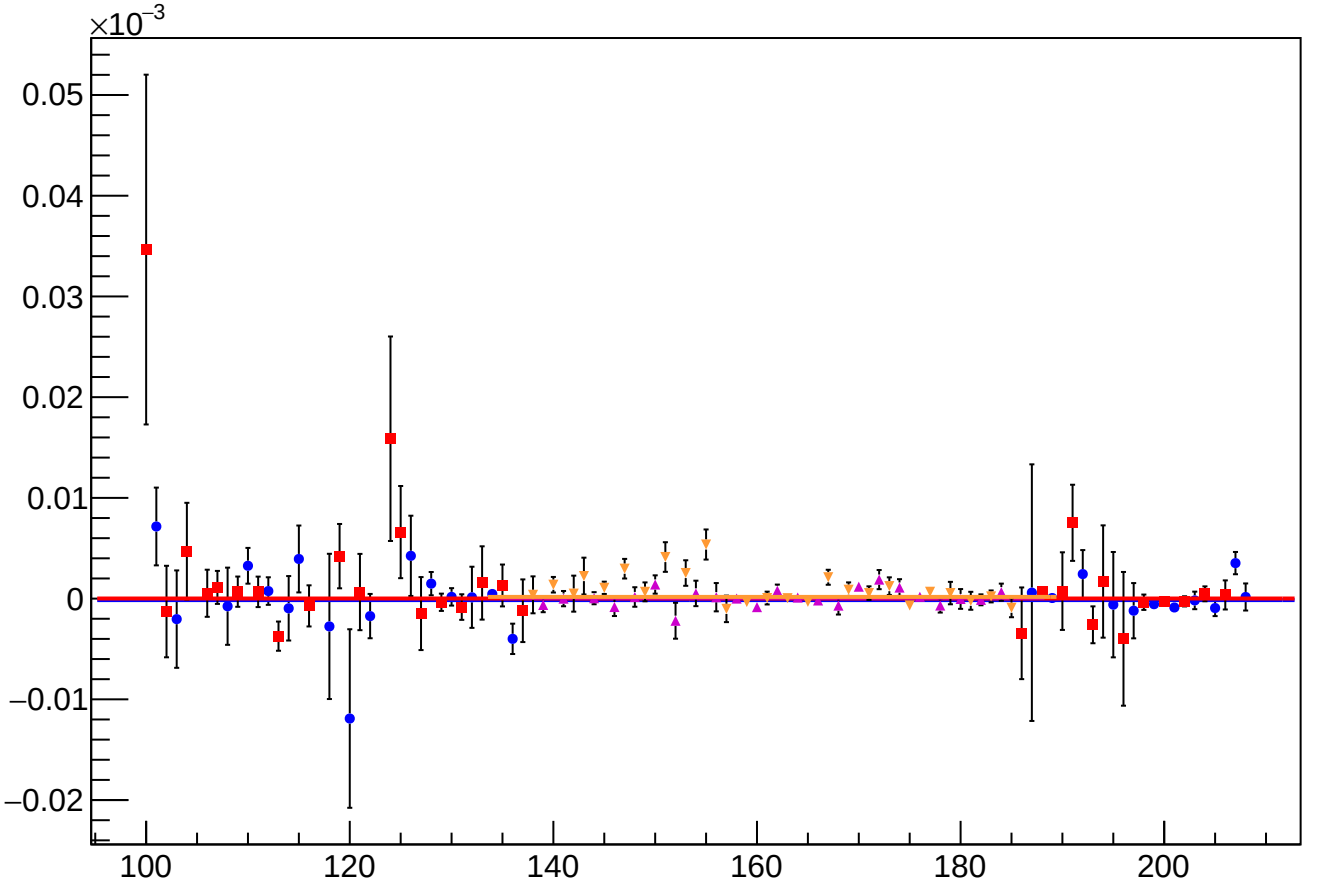
Right Out: 27.742+/-0.006 χ^2/NDF: 5714894.1/30

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.830+/-0.002 χ^2/NDF: 16024697.2/51

All: 15.143+/-0.002 χ^2/NDF: 30622502.7/105

- sign 15.486+/-0.002 χ^2/NDF: 14557445.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 41.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

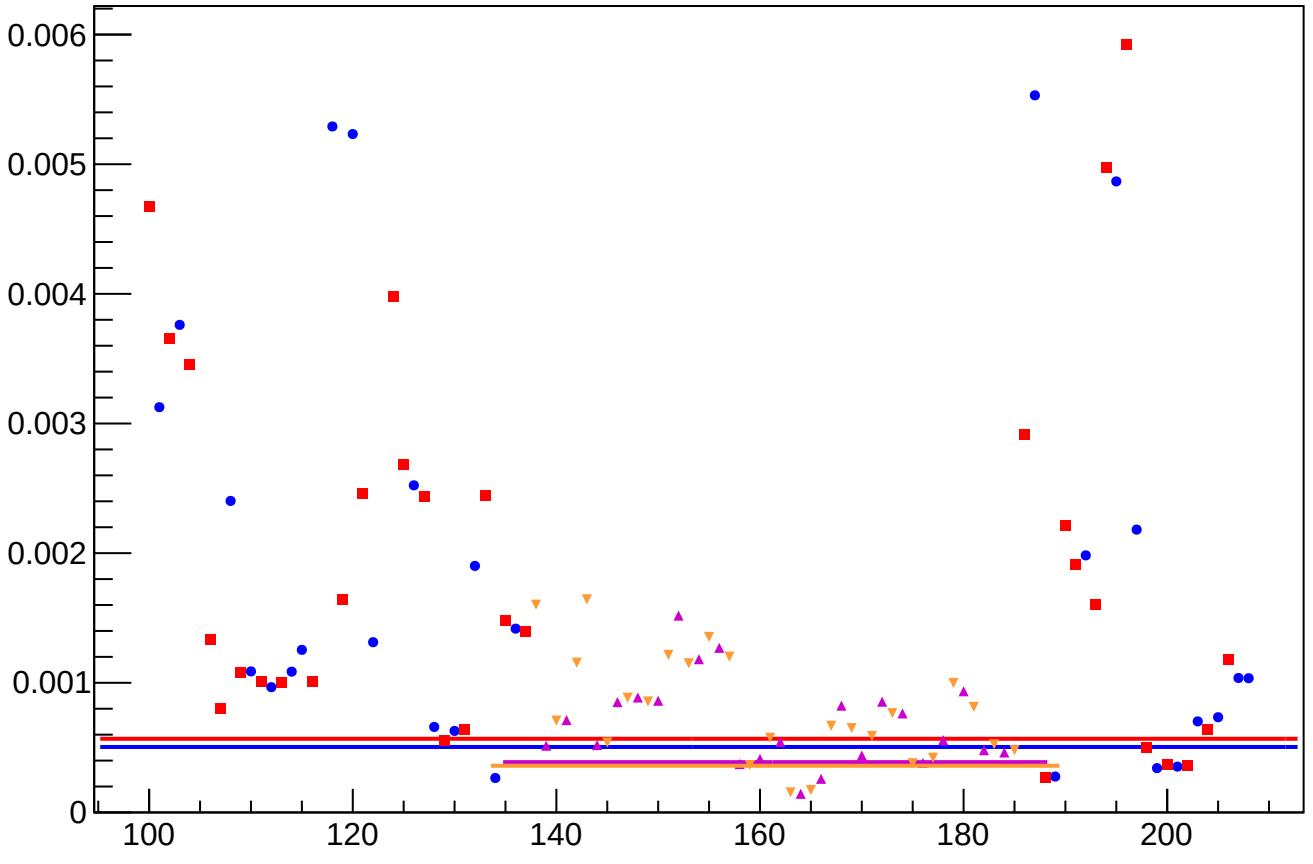
Right Out: 0.000+/-0.000 χ^2/NDF: 31.3/30

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 105.5/51

All: 0.000+/-0.000 χ^2/NDF: 161.4/105

- sign 0.000+/-0.000 χ^2/NDF: 55.9/53



Right In: 0.001+/-0.000 χ^2/NDF: 12334851.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

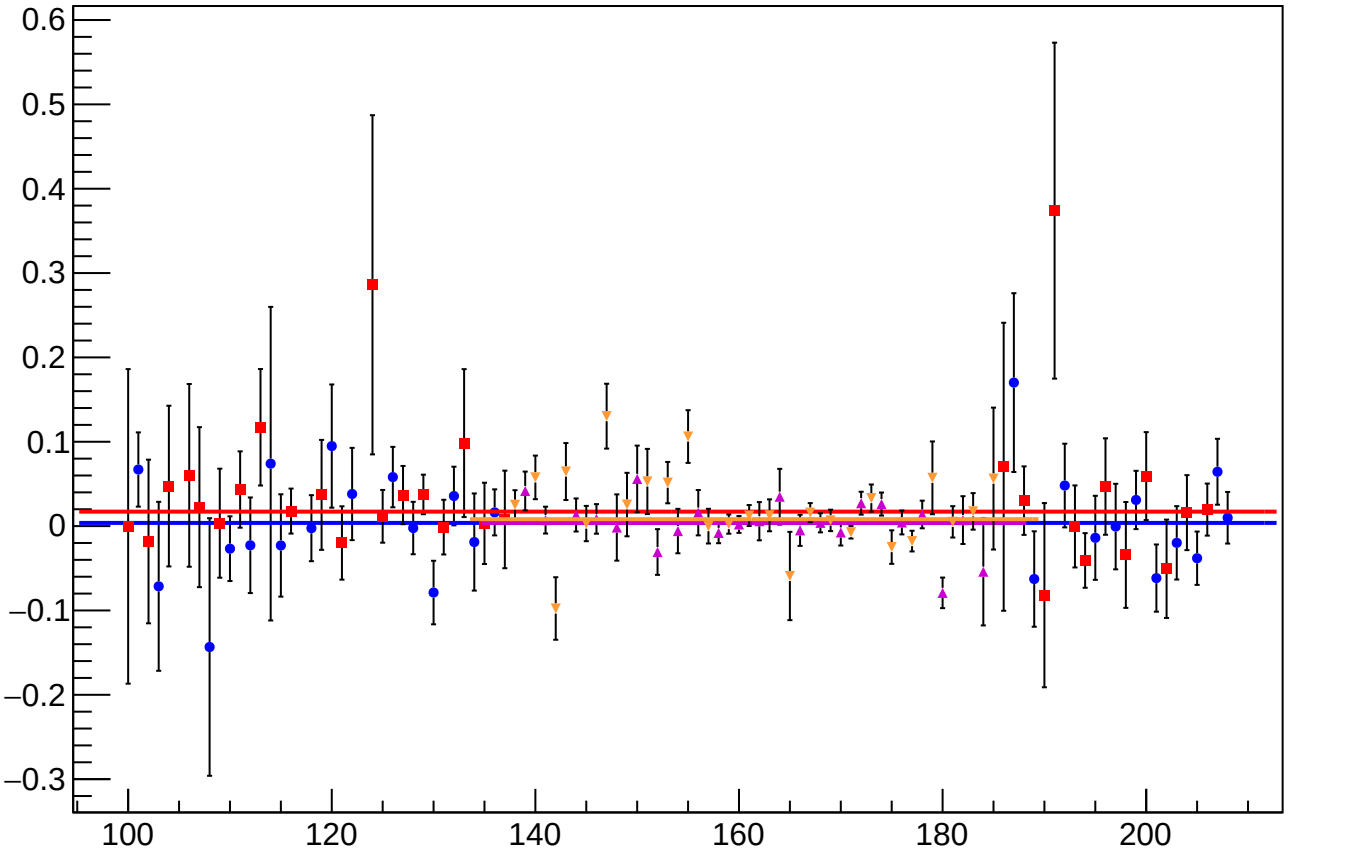
Right Out: 0.001+/-0.000 χ^2/NDF: 12039239.1/30

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 27342043.4/51

All: 0.000+/-0.000 χ^2/NDF: 51176772.9/105

- sign 0.000+/-0.000 χ^2/NDF: 23713100.7/53



Right In: 0.004+/-0.008 χ^2/NDF: 27.7/26

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.017+/-0.008 χ^2/NDF: 18.4/30

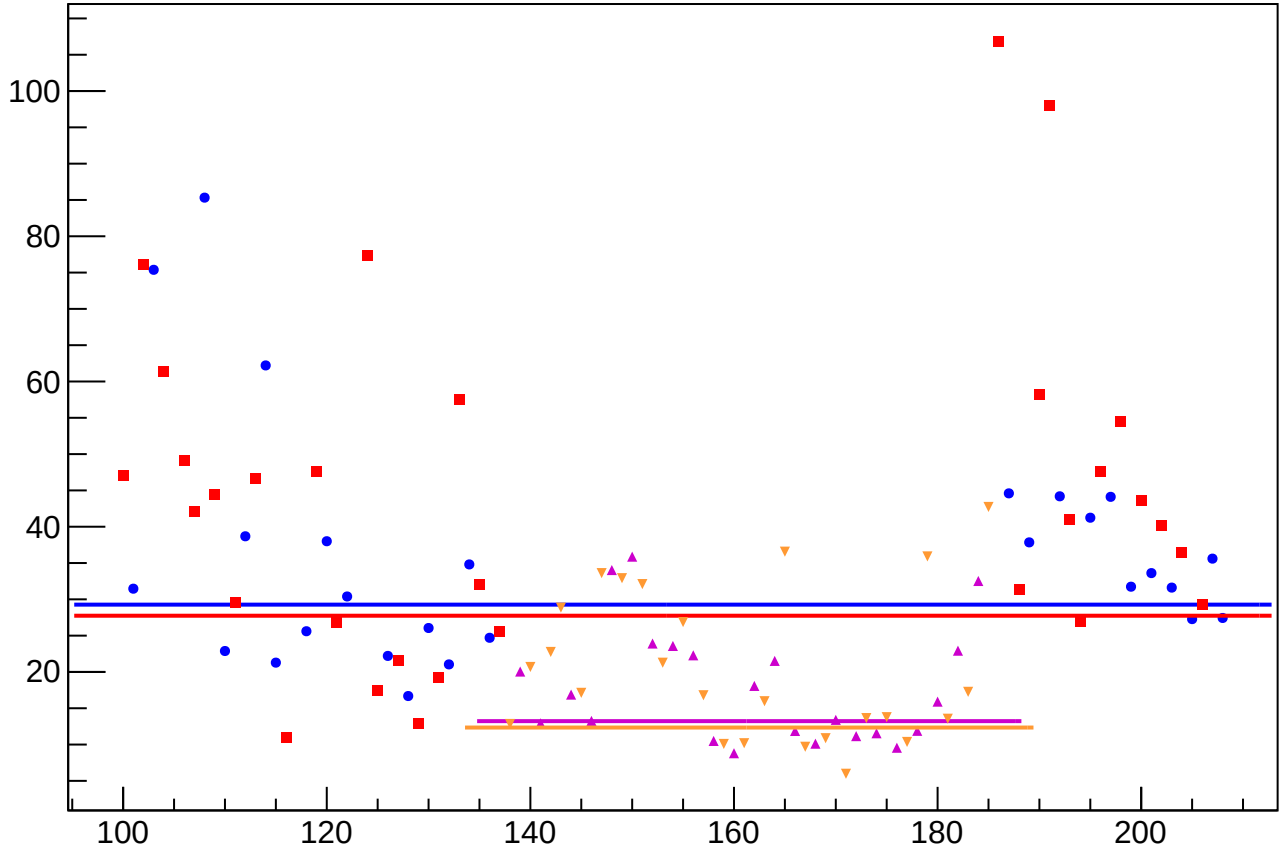
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 86.7/51

All: 0.007+/-0.002 χ^2/NDF: 144.6/105

- sign 0.006+/-0.003 χ^2/NDF: 57.7/53

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.270+/-0.006 χ^2/NDF: 2223748.9/26

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

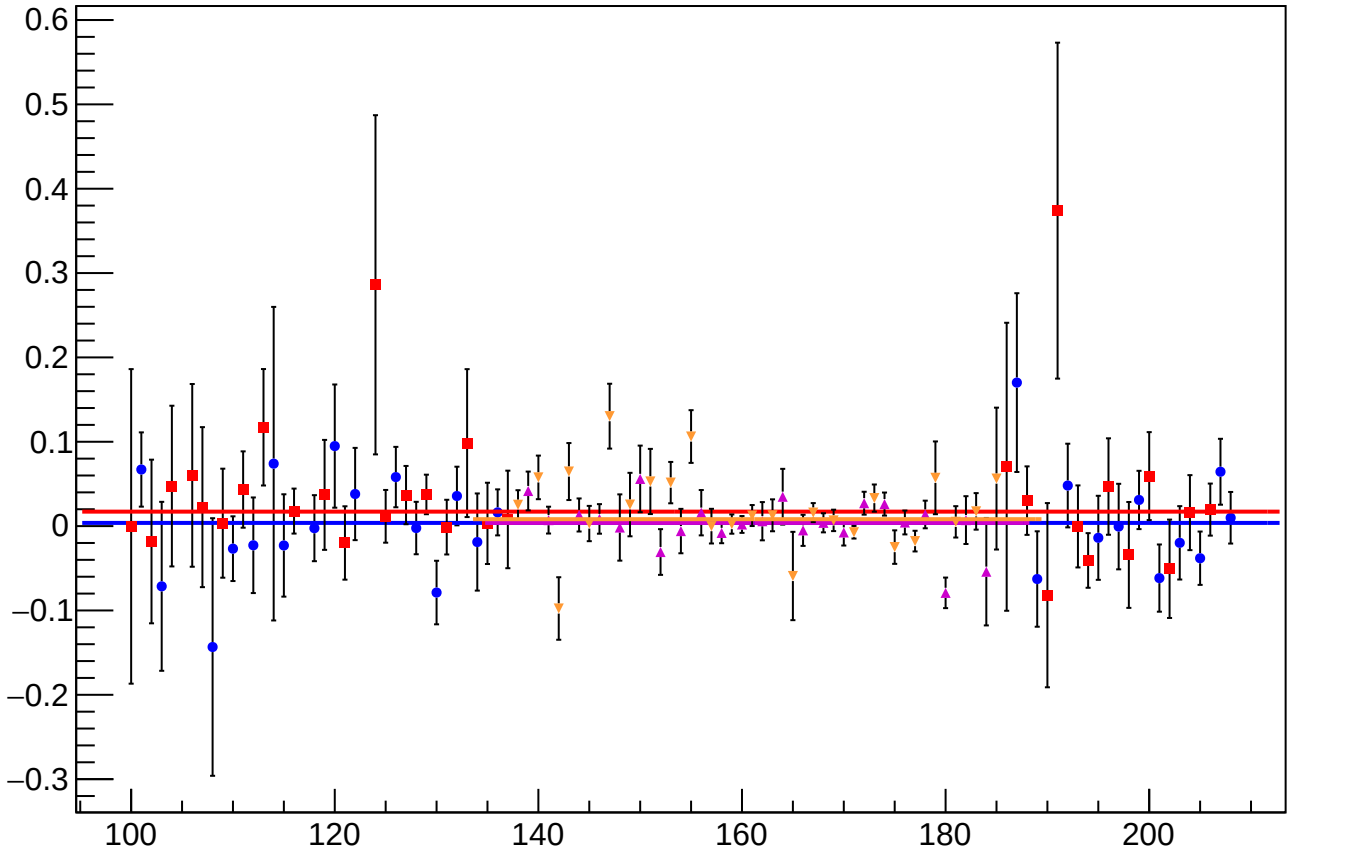
Right Out: 27.743+/-0.006 χ^2/NDF: 5714565.5/30

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.830+/-0.002 χ^2/NDF: 16024935.2/51

All: 15.143+/-0.002 χ^2/NDF: 30622833.2/105

- sign 15.486+/-0.002 χ^2/NDF: 14557540.5/53



Right In: 0.004+/-0.008 χ^2/NDF: 27.7/26

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

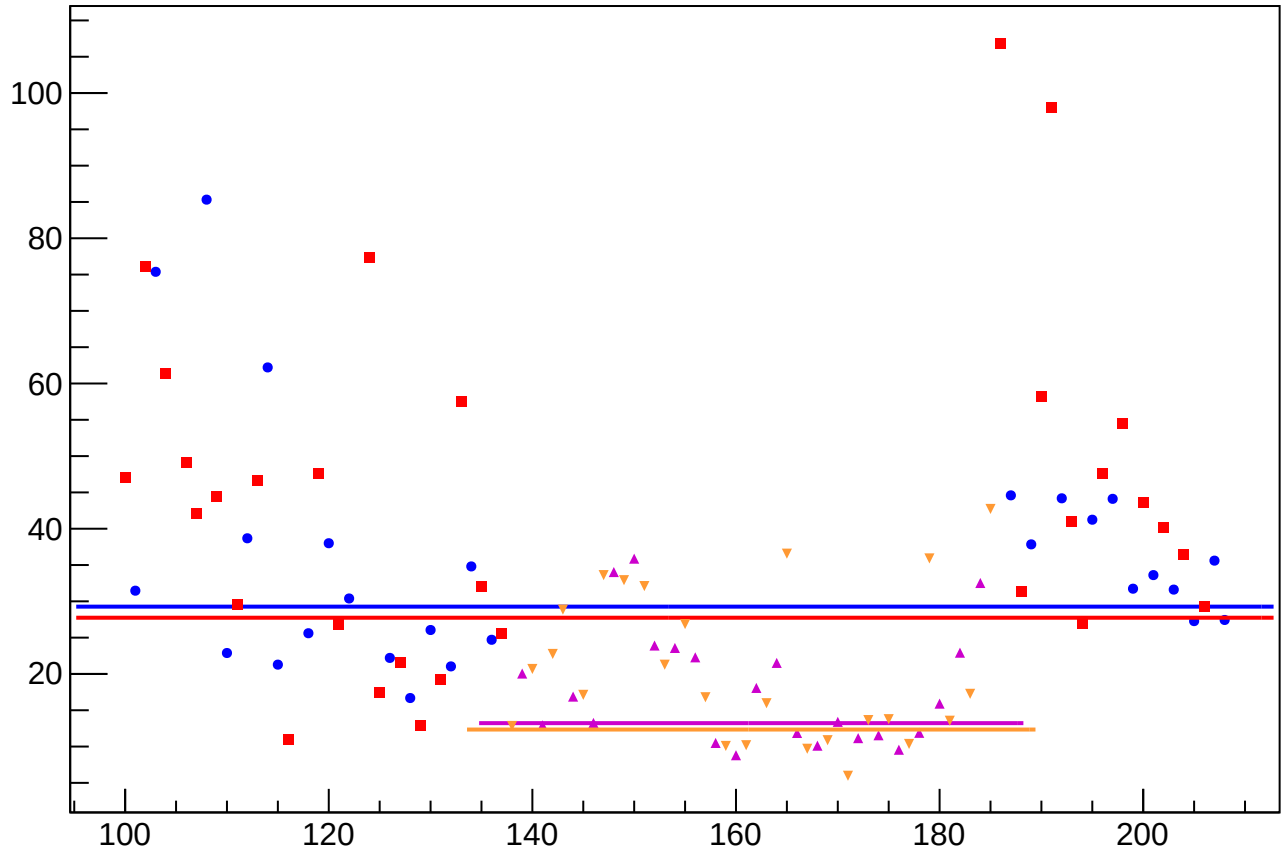
Right Out: 0.017+/-0.008 χ^2/NDF: 18.4/30

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 86.7/51

All: 0.007+/-0.002 χ^2/NDF: 144.6/105

- sign 0.006+/-0.003 χ^2/NDF: 57.7/53



Right In: 29.270+/-0.006 χ^2/NDF: 2223748.9/26

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

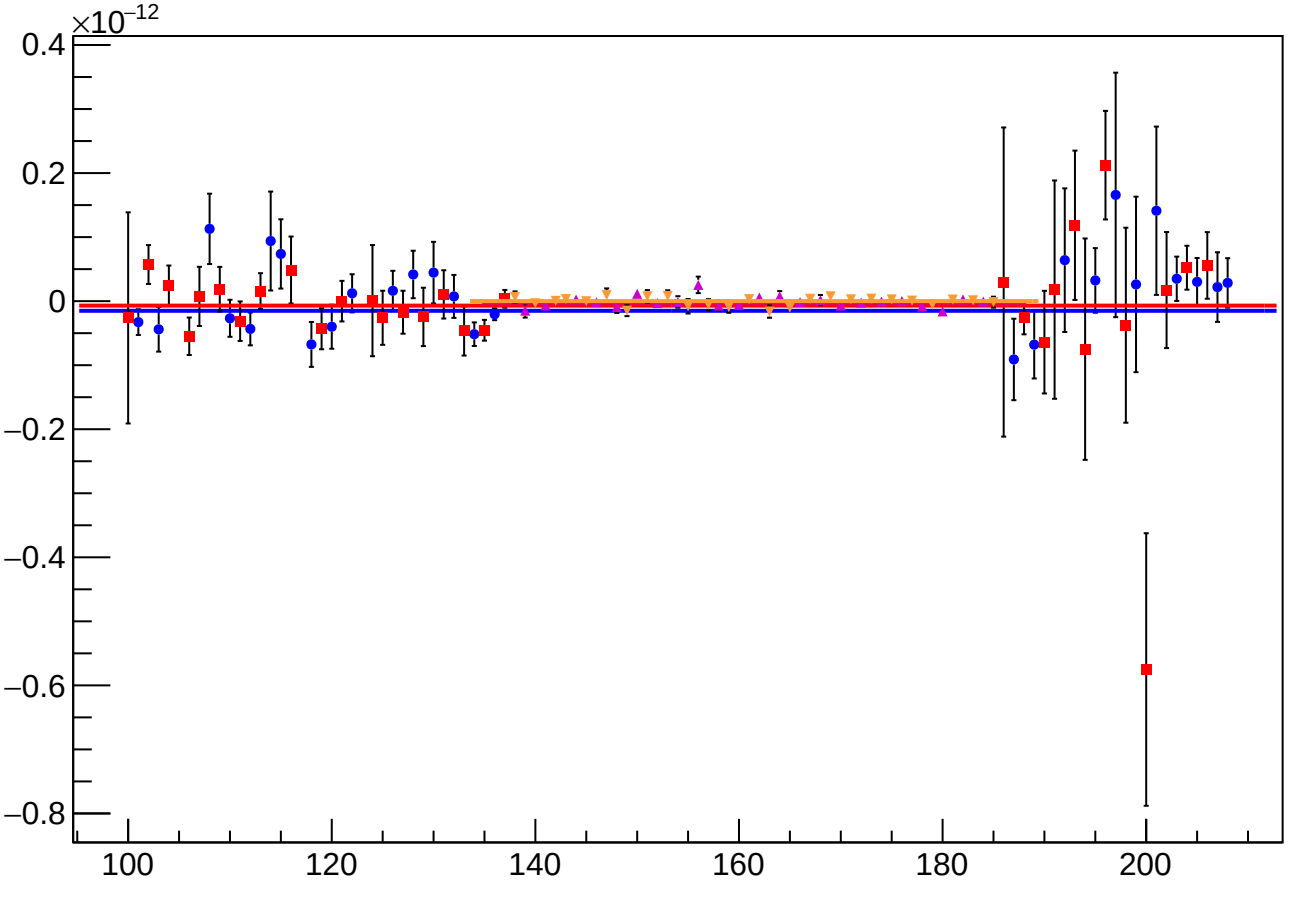
Right Out: 27.743+/-0.006 χ^2/NDF: 5714565.5/30

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.830+/-0.002 χ^2/NDF: 16024935.2/51

All: 15.143+/-0.002 χ^2/NDF: 30622833.2/105

- sign 15.486+/-0.002 χ^2/NDF: 14557540.5/53



Right In: -0.000+/-0.000 χ^2/NDF: 37.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

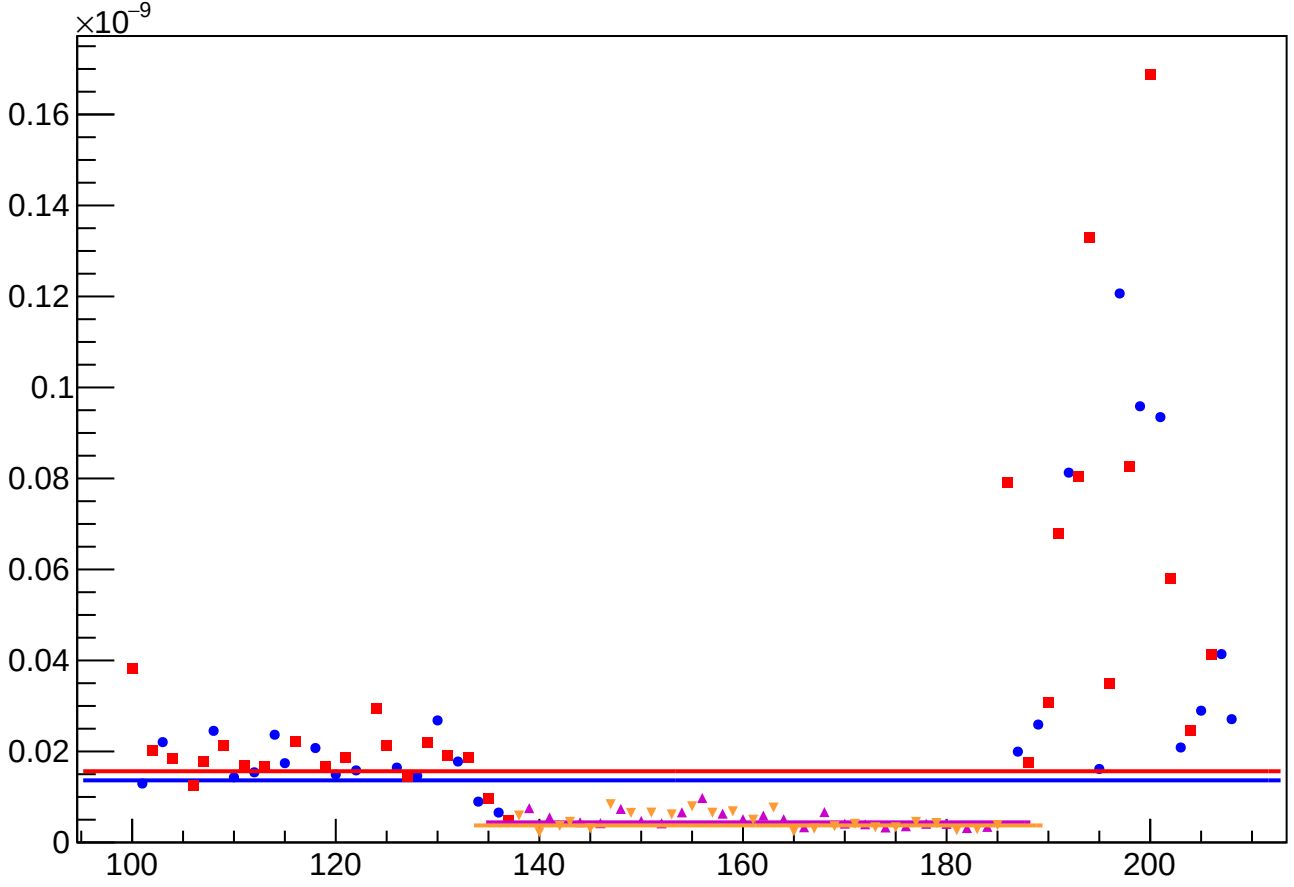
Right Out: -0.000+/-0.000 χ^2/NDF: 41.3/30

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.1/51

All: -0.000+/-0.000 χ^2/NDF: 134.4/105

- sign -0.000+/-0.000 χ^2/NDF: 67.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 5993144.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6417451.7/30

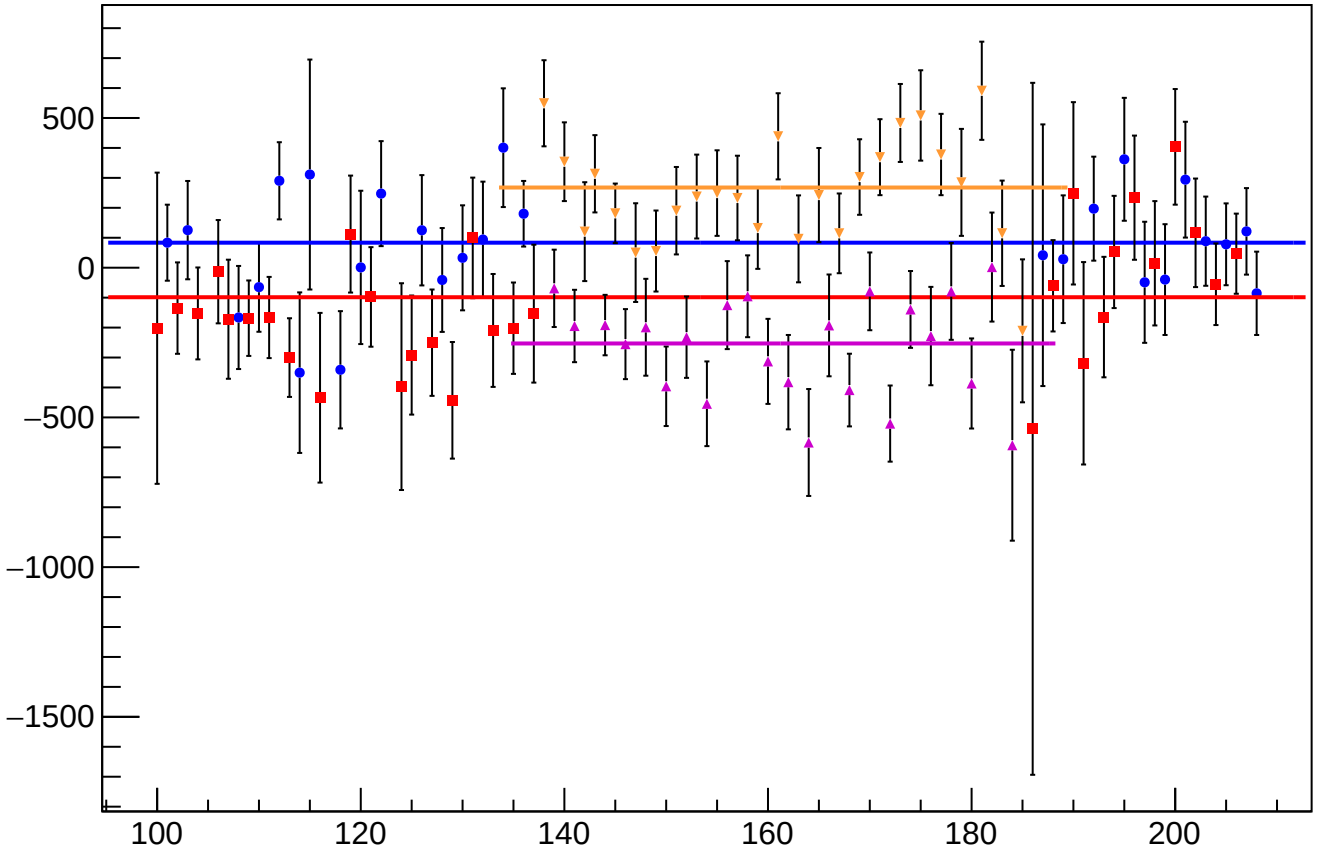
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14959394.4/51

All: 0.000+/-0.000 χ^2/NDF: 29572989.4/105

- sign 0.000+/-0.000 χ^2/NDF: 14241942.0/53

reg_asym_sam_48_dd_mean vs Slug



Right In: 83.536+/-32.861 χ^2/NDF: 24.3/26

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -98.608+/-32.715 χ^2/NDF: 28.5/30

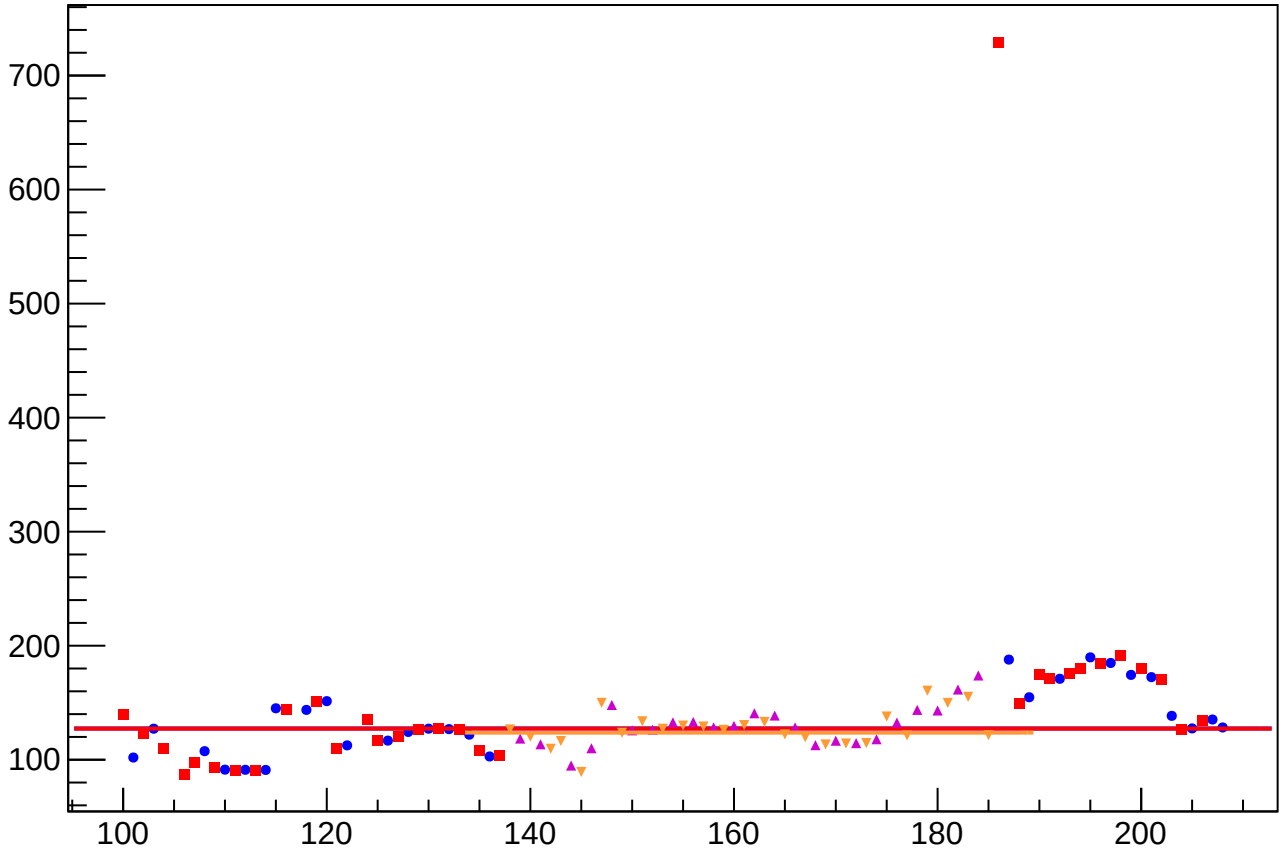
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 188.982+/-21.491 χ^2/NDF: 73.3/51

All: 5.290+/-15.315 χ^2/NDF: 288.8/105

- sign -184.273+/-21.831 χ^2/NDF: 67.0/53

reg_asym_sam_48_dd_rms vs Slug



Right In: 127.401+/-0.023 χ^2/NDF: 1376220.5/26

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 127.311+/-0.023 χ^2/NDF: 2309962.3/30

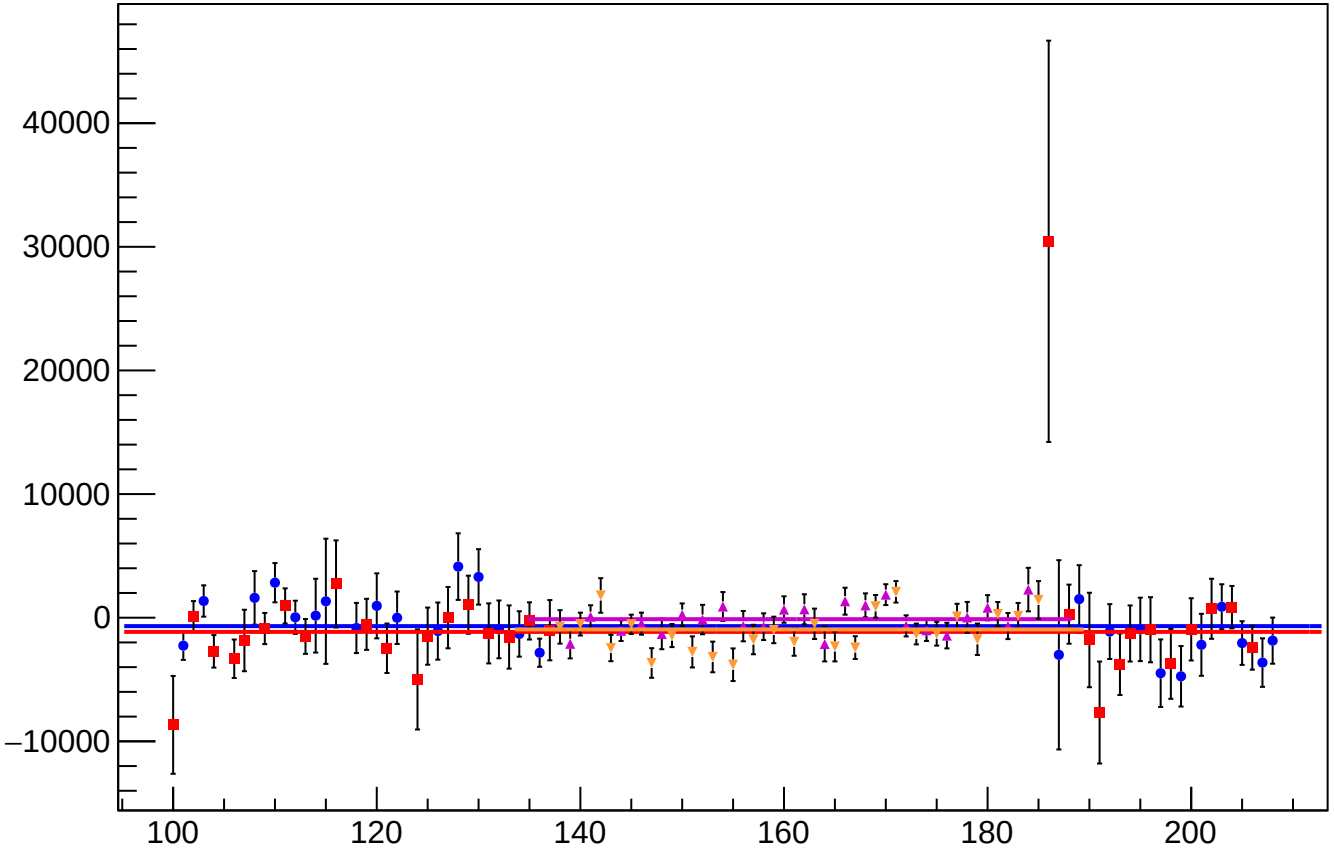
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 125.344+/-0.015 χ^2/NDF: 1988353.6/51

All: 125.479+/-0.011 χ^2/NDF: 4865348.5/105

- sign 125.618+/-0.015 χ^2/NDF: 2876835.1/53

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -682.107+/-372.479 χ^2/NDF: 31.4/26

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1147.174+/-365.047 χ^2/NDF: 25.6/30

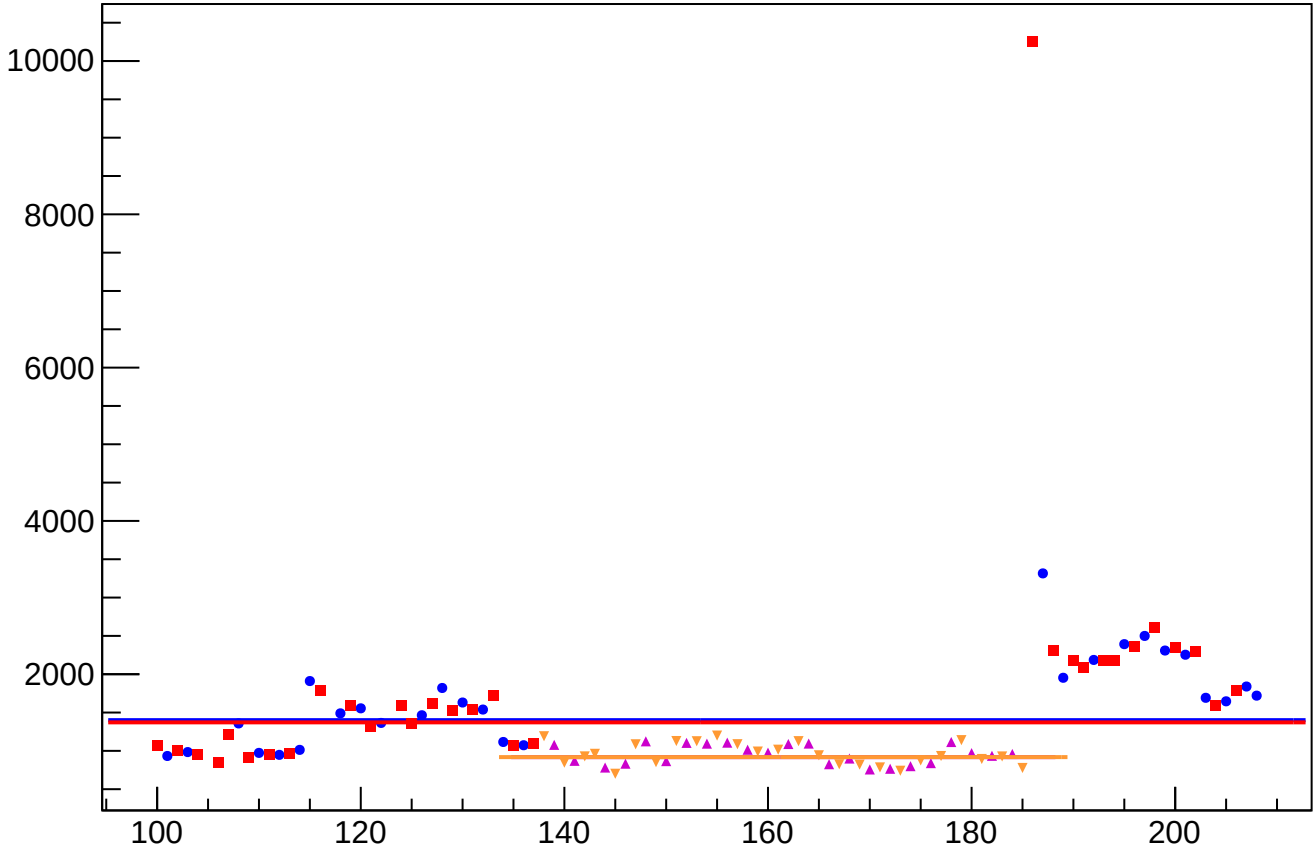
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -882.826+/-184.112 χ^2/NDF: 82.0/51

All: -638.457+/-131.070 χ^2/NDF: 141.5/105

- sign -387.339+/-186.637 χ^2/NDF: 55.9/53

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1400.731+/-0.263 χ^2/NDF: 3109294.0/26

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1371.838+/-0.258 χ^2/NDF: 4401992.8/30

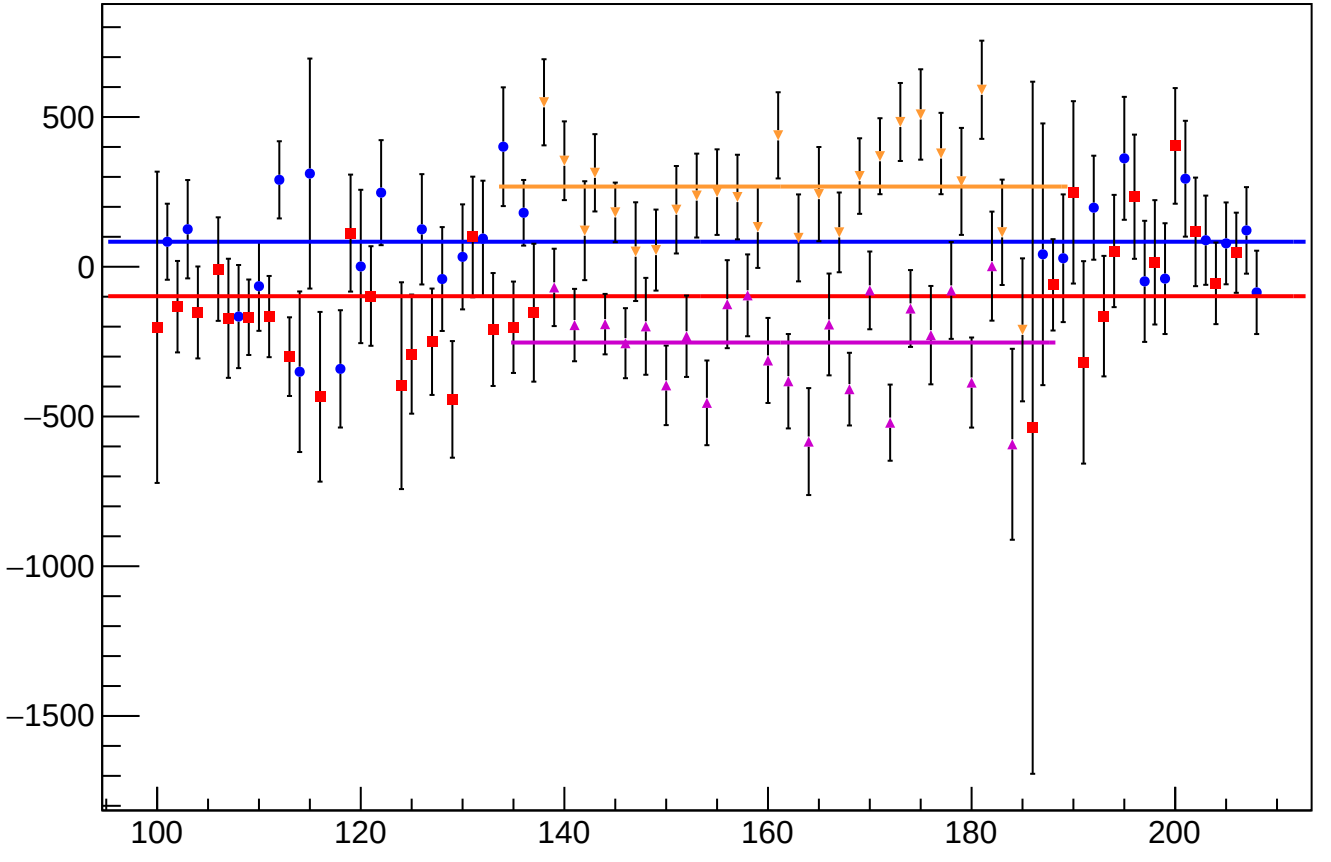
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 1036.320+/-0.130 χ^2/NDF: 6530324.3/51

All: 1036.551+/-0.093 χ^2/NDF: 13879646.6/1

- sign 1036.789+/-0.132 χ^2/NDF: 7349315.8/53

cor_asym_sam_48_dd_mean vs Slug



Right In: 83.528+/-32.861 χ^2/NDF: 24.3/26

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -98.347+/-32.718 χ^2/NDF: 28.5/30

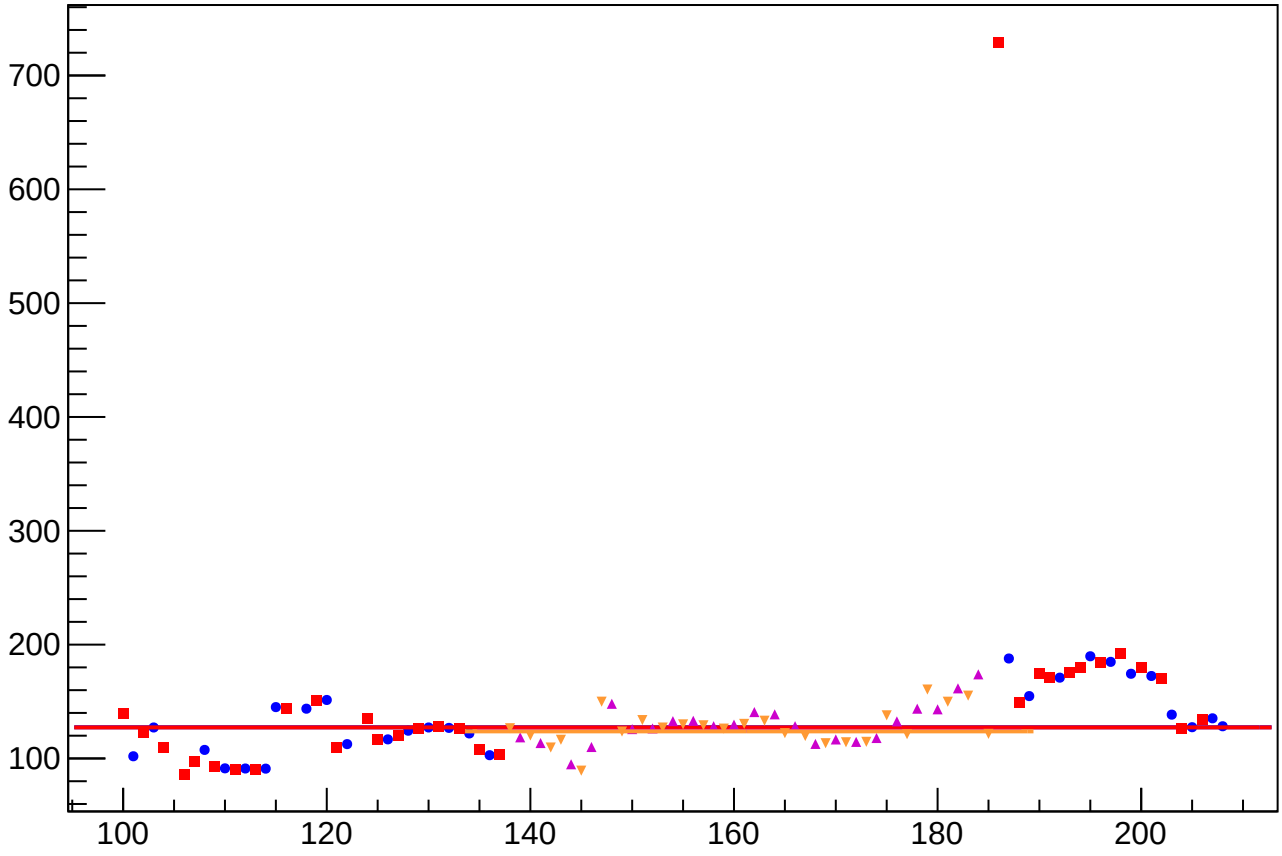
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 188.984+/-21.491 χ^2/NDF: 73.3/51

All: 5.352+/-15.316 χ^2/NDF: 288.8/105

- sign -184.165+/-21.832 χ^2/NDF: 67.1/53

cor_asym_sam_48_dd_rms vs Slug



Right In: 127.401+/-0.023 χ^2/NDF: 1376220.5/26

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 127.278+/-0.023 χ^2/NDF: 2315788.2/30

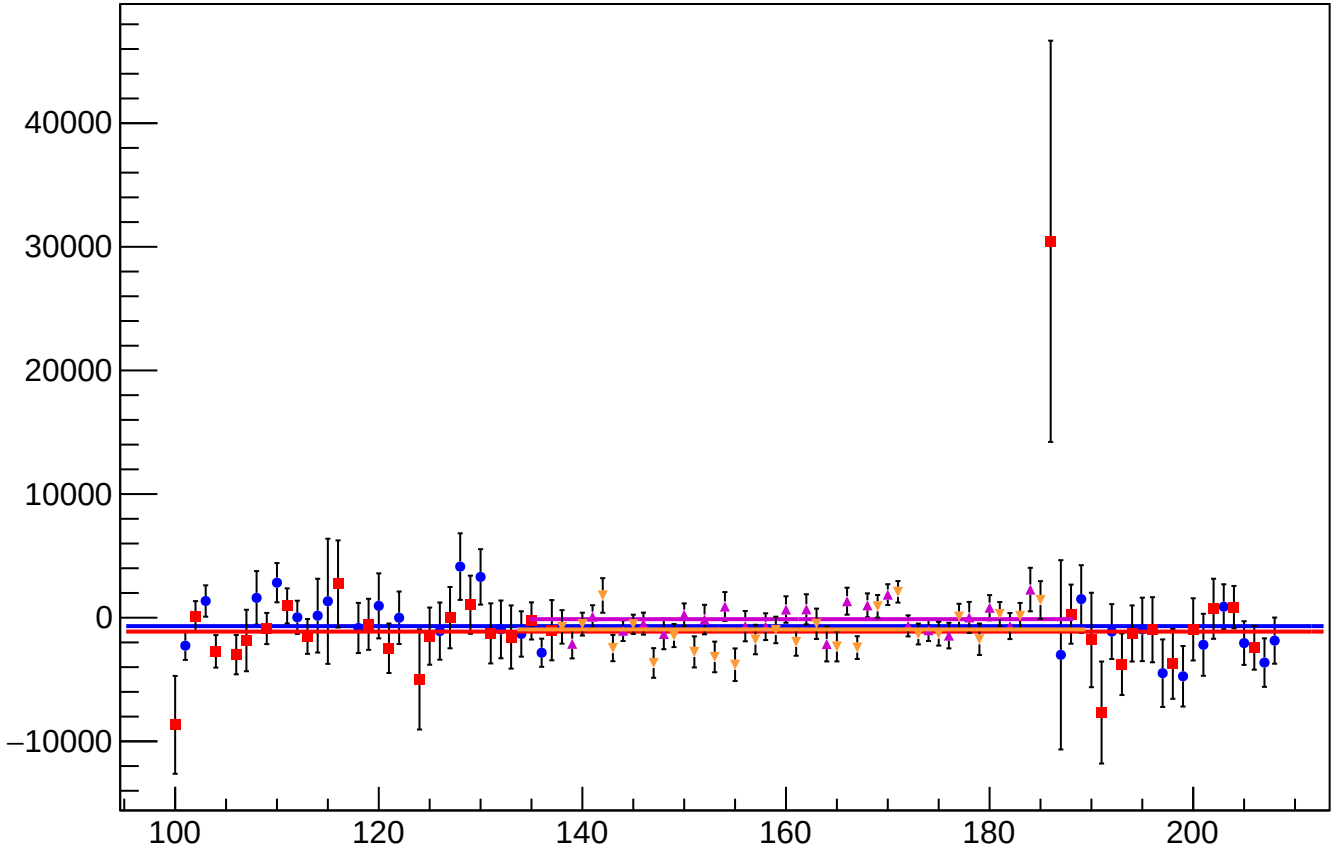
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 125.344+/-0.015 χ^2/NDF: 1988353.8/51

All: 125.472+/-0.011 χ^2/NDF: 4870948.1/105

- sign 125.603+/-0.015 χ^2/NDF: 2882451.4/53

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -682.173+/-372.481 χ^2/NDF: 31.4/26

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1124.379+/-365.520 χ^2/NDF: 25.0/30

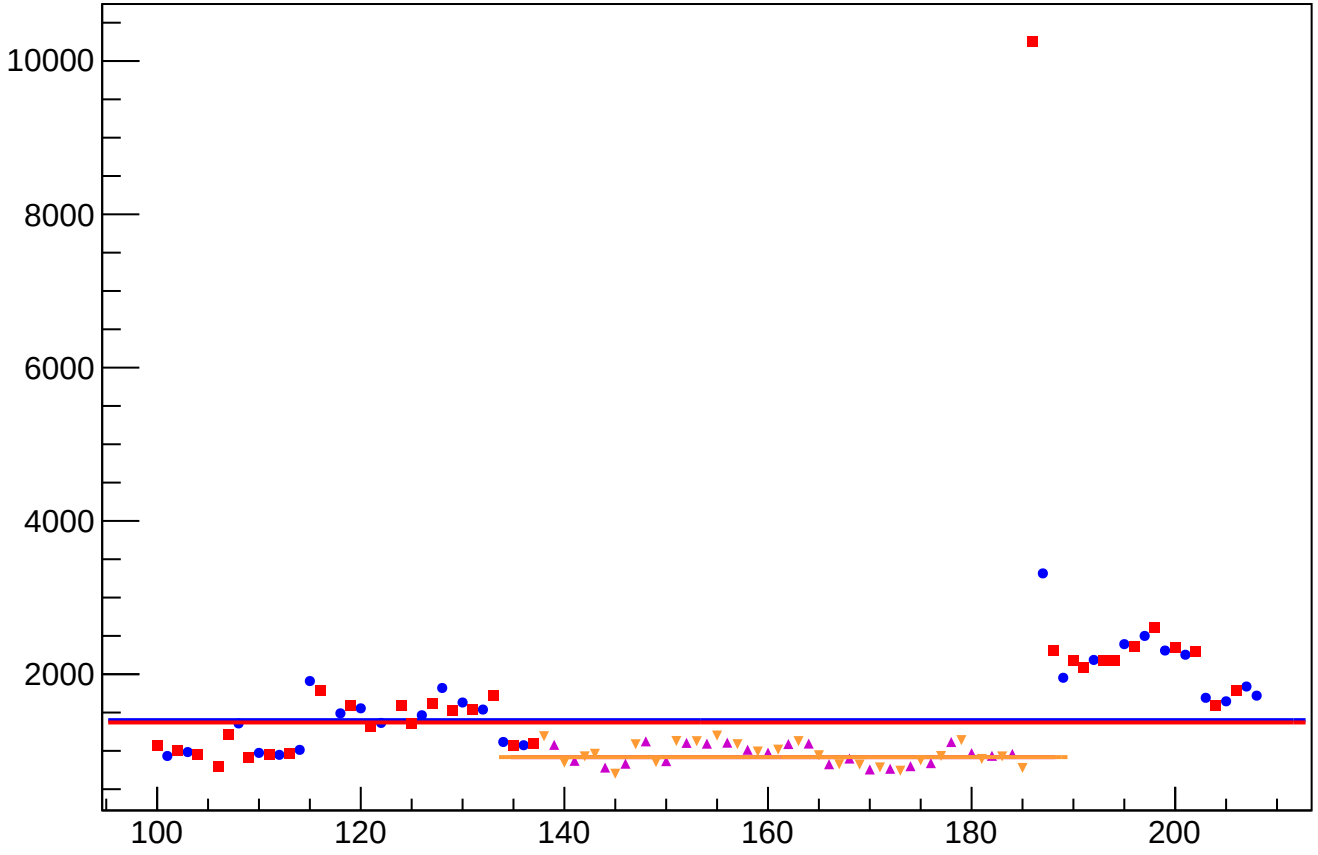
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -882.834+/-184.112 χ^2/NDF: 82.0/51

All: -635.360+/-131.092 χ^2/NDF: 140.7/105

- sign -380.881+/-186.700 χ^2/NDF: 55.0/53

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1400.740+/-0.263 χ^2/NDF: 3109208.4/26

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

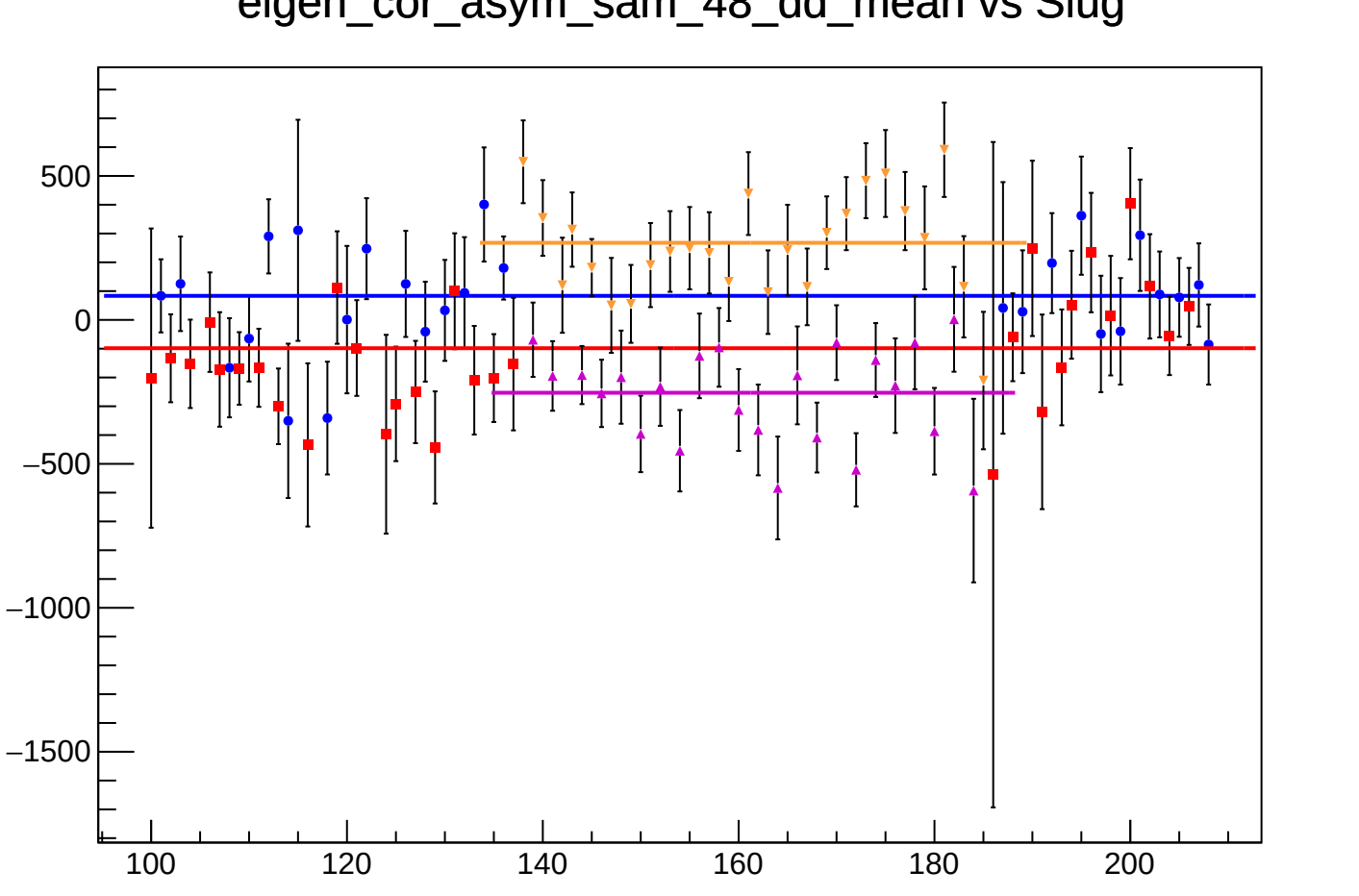
Right Out: 1370.554+/-0.258 χ^2/NDF: 4434961.6/30

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1036.321+/-0.130 χ^2/NDF: 6530315.4/51

All: 1036.275+/-0.093 χ^2/NDF: 13895375.7/1

- sign 1036.228+/-0.132 χ^2/NDF: 7365060.0/53



Right In: 83.528+/-32.861 χ^2/NDF: 24.3/26

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -98.347+/-32.718 χ^2/NDF: 28.5/30

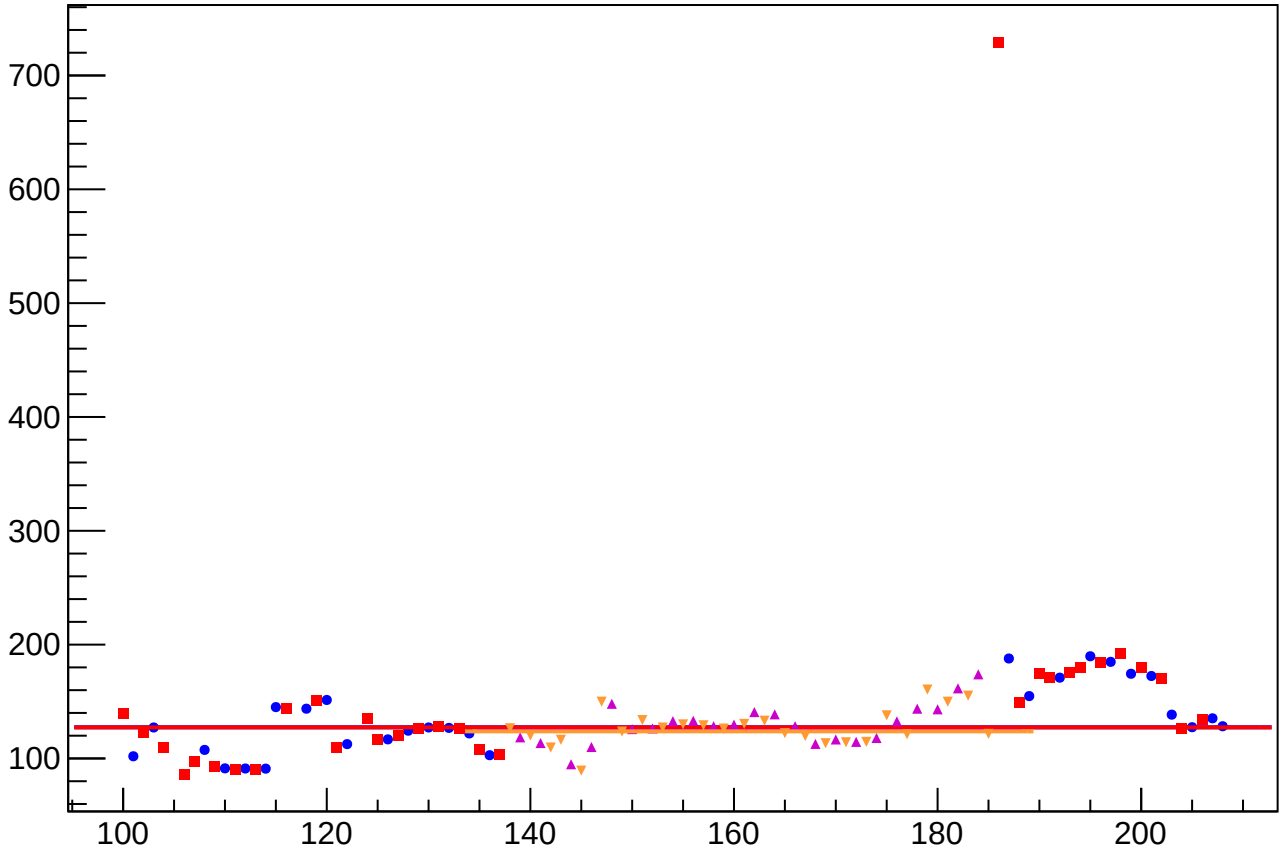
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 188.984+/-21.491 χ^2/NDF: 73.3/51

All: 5.352+/-15.316 χ^2/NDF: 288.8/105

- sign -184.165+/-21.832 χ^2/NDF: 67.1/53

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 127.401+/-0.023 χ^2/NDF: 1376220.5/26

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

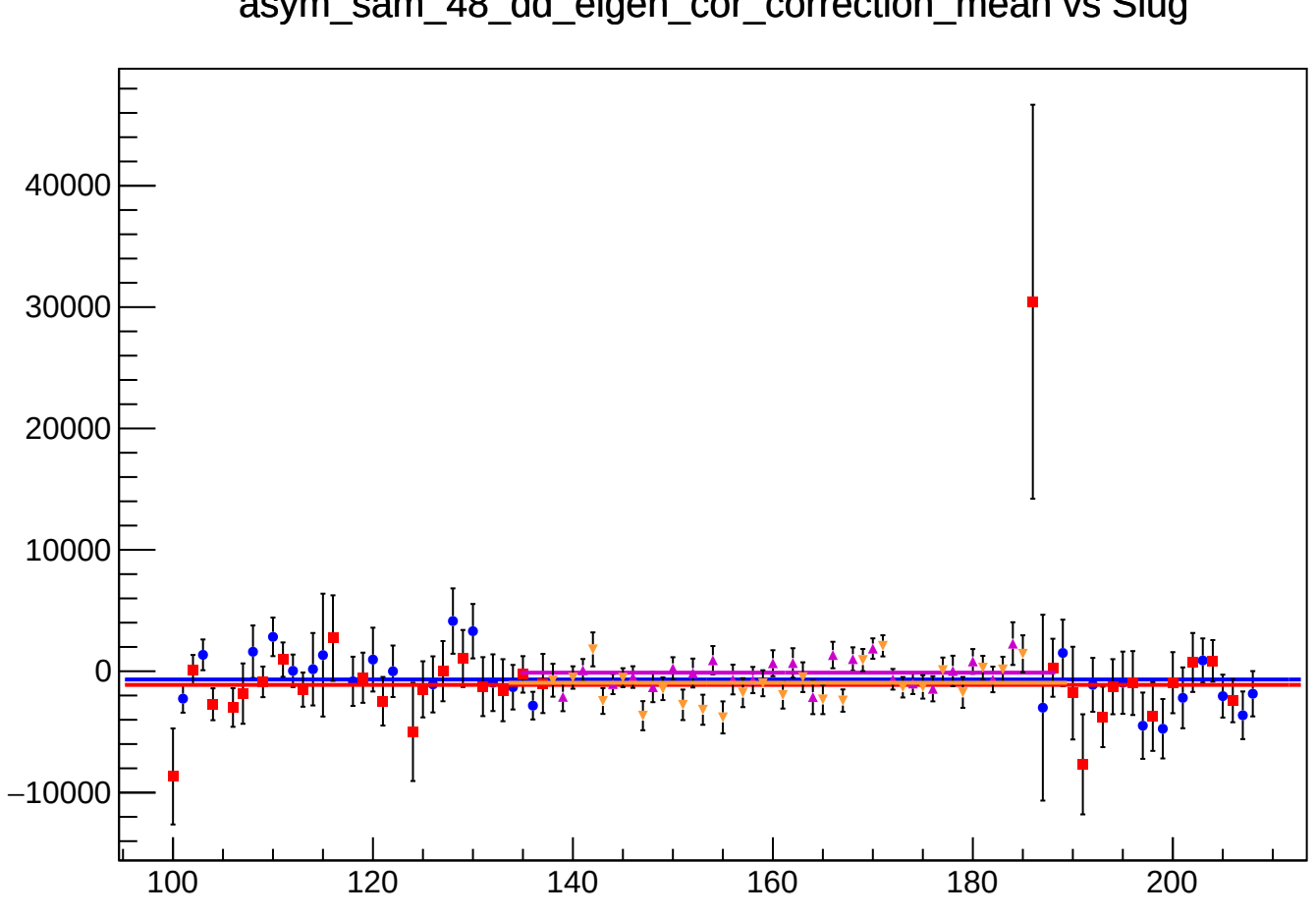
Right Out: 127.278+/-0.023 χ^2/NDF: 2315788.2/30

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 125.344+/-0.015 χ^2/NDF: 1988353.8/51

All: 125.472+/-0.011 χ^2/NDF: 4870948.1/105

- sign 125.603+/-0.015 χ^2/NDF: 2882451.4/53



Right In: -682.173+/-372.481 χ^2/NDF: 31.4/26

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1124.379+/-365.520 χ^2/NDF: 25.0/30

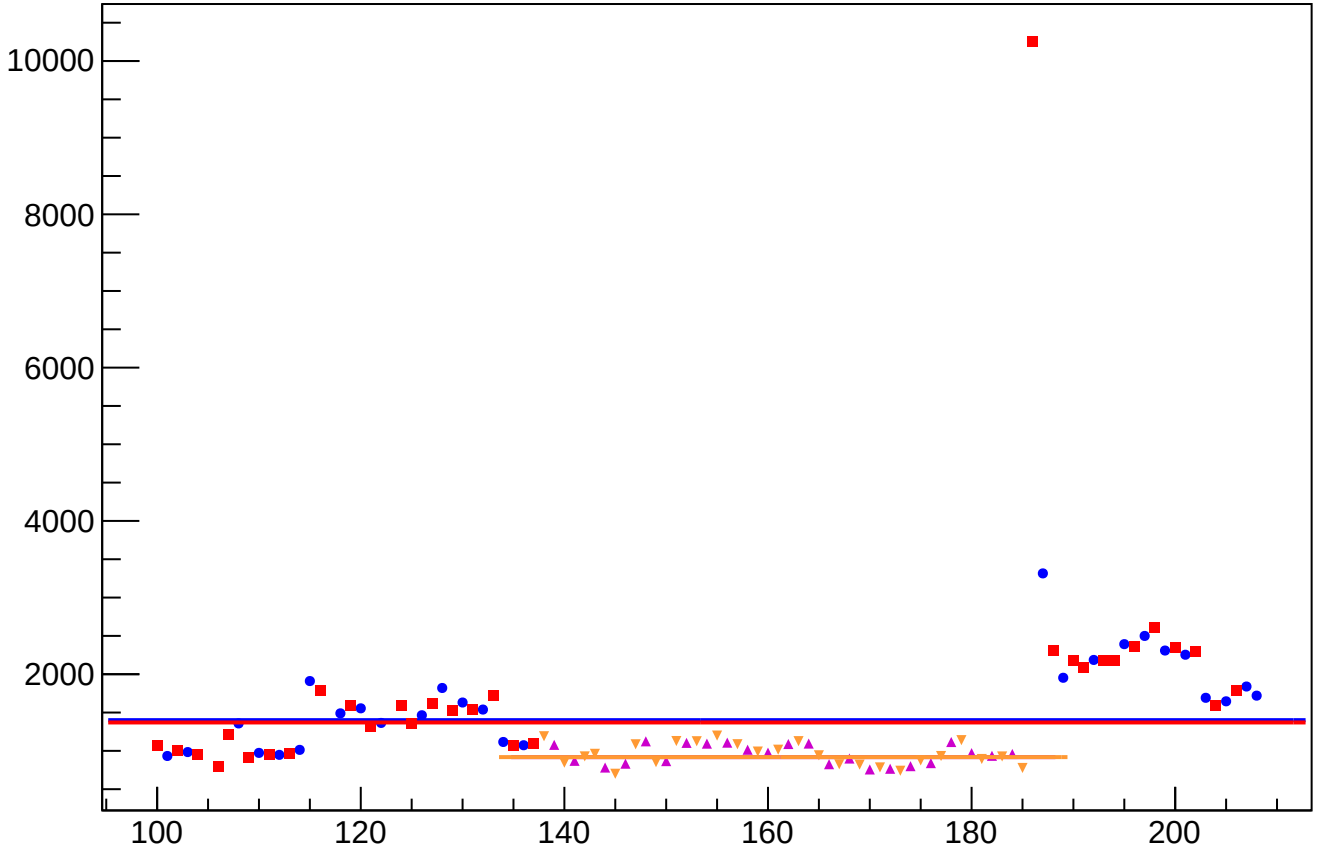
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -882.834+/-184.112 χ^2/NDF: 82.0/51

All: -635.360+/-131.092 χ^2/NDF: 140.7/105

- sign -380.881+/-186.700 χ^2/NDF: 55.0/53

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1400.740+/-0.263 χ^2/NDF: 3109208.4/26

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1370.554+/-0.258 χ^2/NDF: 4434961.6/30

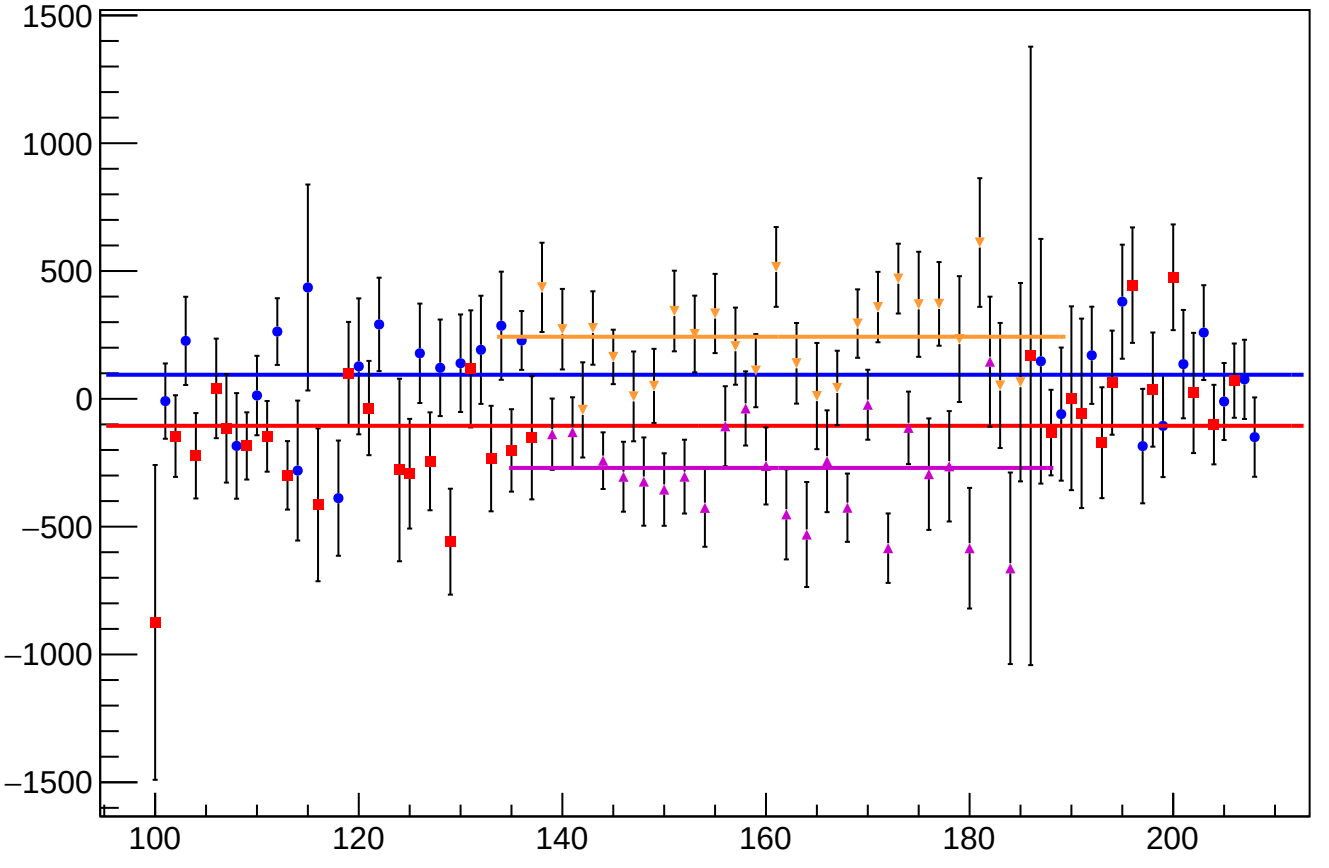
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1036.321+/-0.130 χ^2/NDF: 6530315.4/51

All: 1036.275+/-0.093 χ^2/NDF: 13895375.7/1

- sign 1036.228+/-0.132 χ^2/NDF: 7365060.0/53

dit_asym_sam_48_dd_mean vs Slug



Right In: 94.224+/-35.831 χ^2/NDF: 24.4/26

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -105.485+/-35.314 χ^2/NDF: 32.4/30

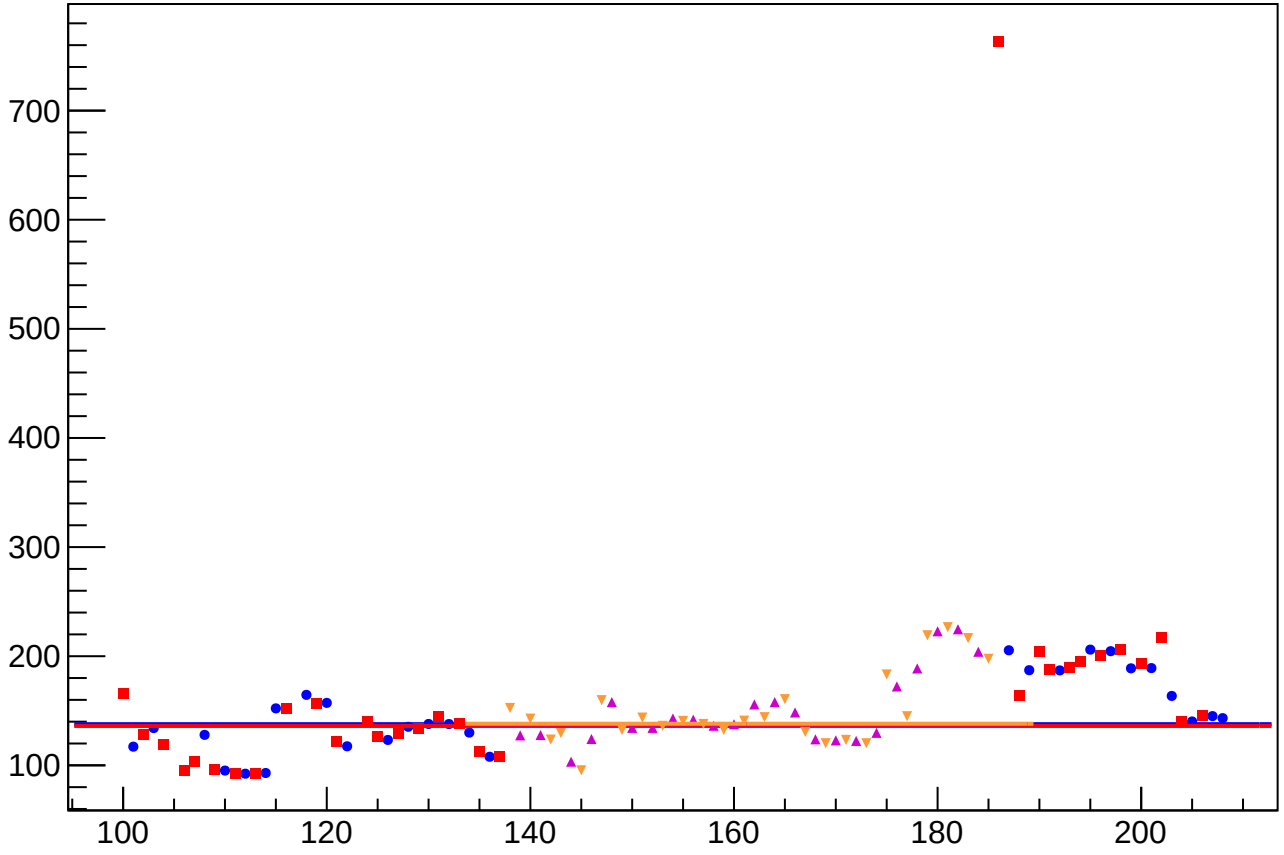
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 176.610+/-23.925 χ^2/NDF: 57.6/51

All: -7.431+/-16.968 χ^2/NDF: 247.4/105

- sign -193.705+/-24.069 χ^2/NDF: 70.8/53

dit_asym_sam_48_dd_rms vs Slug



Right In: 137.728+/-0.025 χ^2/NDF: 1612040.4/26

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 136.075+/-0.025 χ^2/NDF: 2629143.7/30

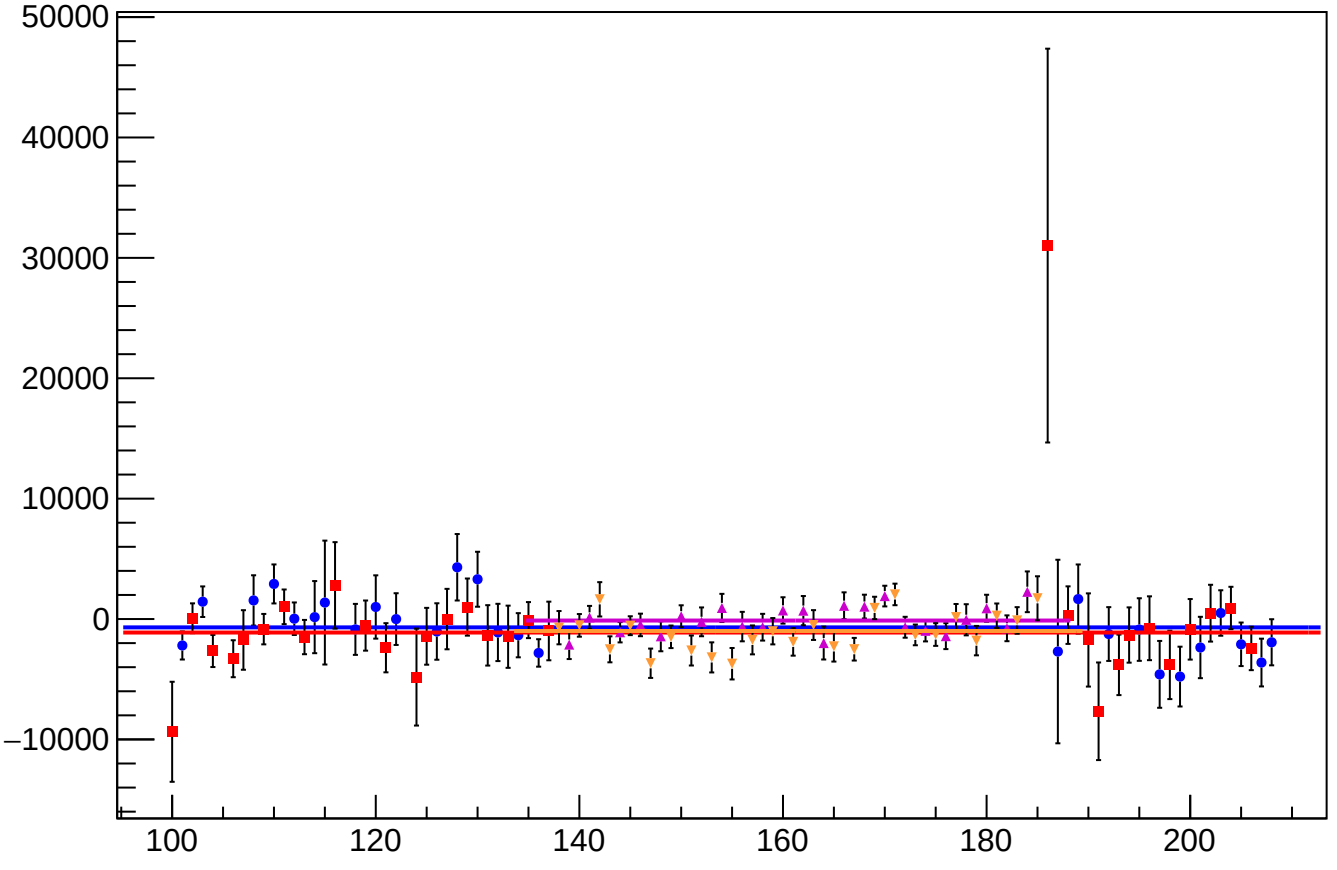
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 137.949+/-0.017 χ^2/NDF: 2950486.6/51

All: 137.395+/-0.012 χ^2/NDF: 6692847.3/105

- sign 136.833+/-0.017 χ^2/NDF: 3740198.8/53

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -693.087+/-376.795 χ^2/NDF: 31.1/26

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1121.397+/-367.594 χ^2/NDF: 25.9/30

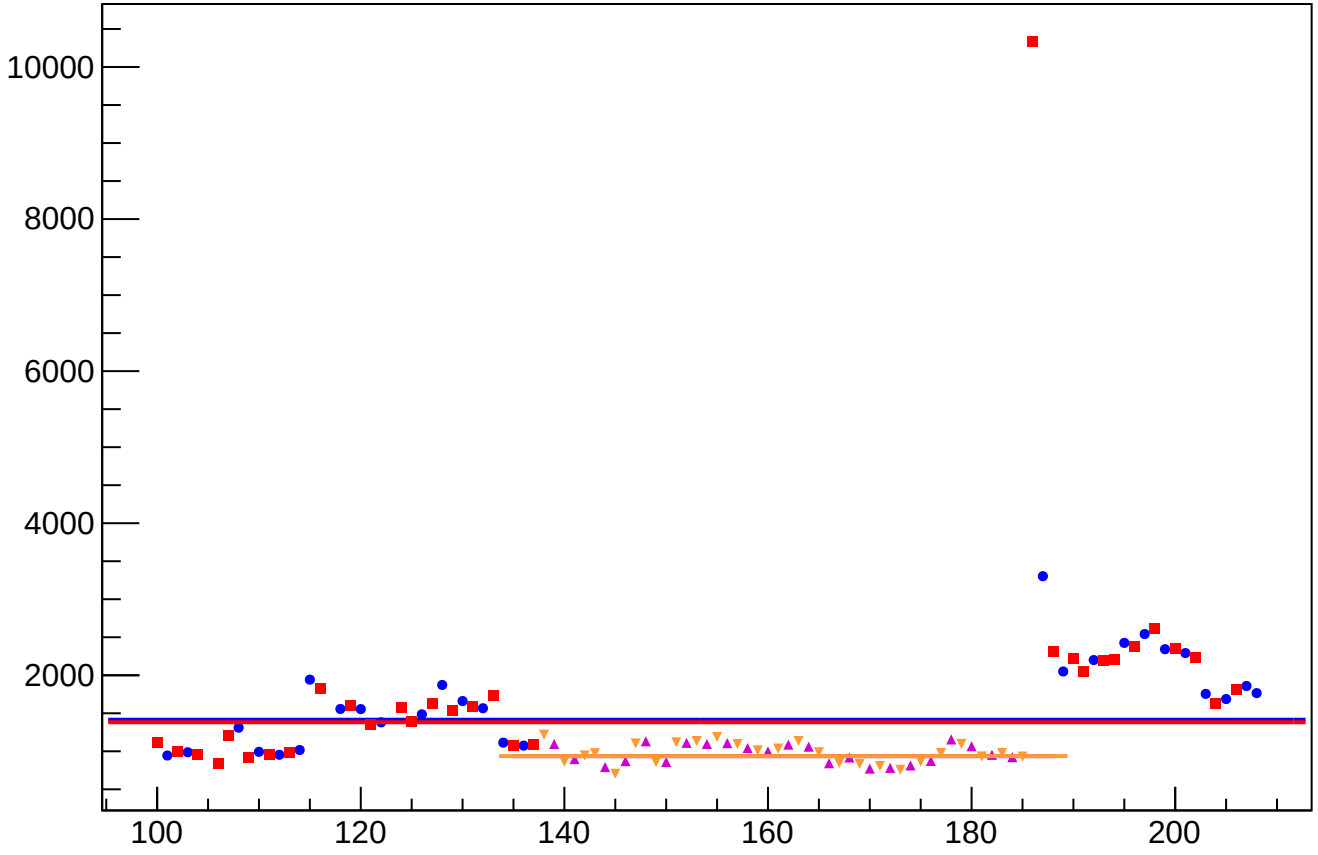
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -919.178+/-187.166 χ^2/NDF: 78.6/51

All: -658.093+/-133.211 χ^2/NDF: 137.6/105

- sign -390.072+/-189.636 χ^2/NDF: 55.1/53

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1415.175+/-0.266 χ^2/NDF: 3211971.7/26

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1381.954+/-0.260 χ^2/NDF: 4404551.1/30

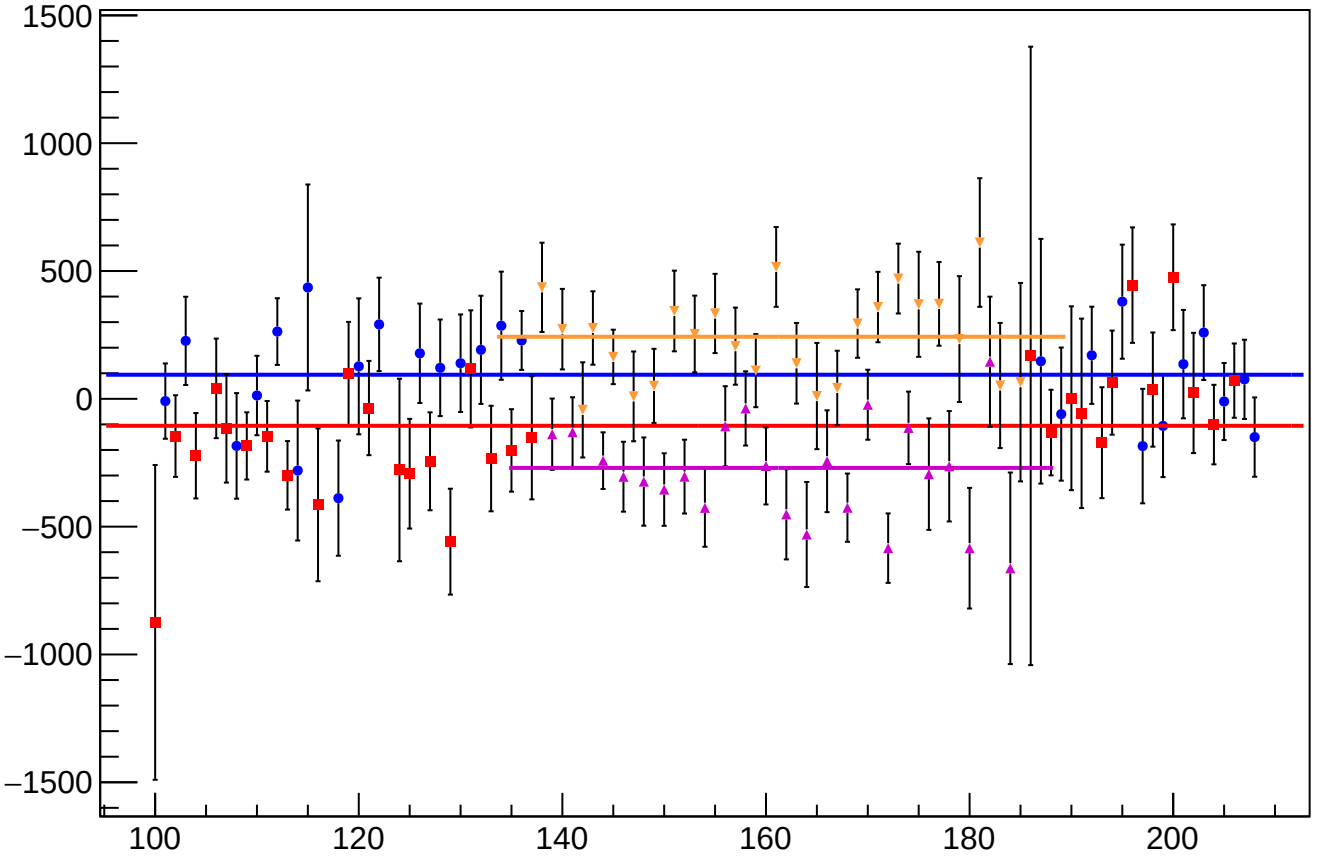
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1054.792+/-0.132 χ^2/NDF: 6473287.4/51

All: 1054.877+/-0.094 χ^2/NDF: 13677082.3/1

- sign 1054.964+/-0.134 χ^2/NDF: 7203794.1/53

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 94.226+/-35.831 χ^2/NDF: 24.4/26

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -105.485+/-35.314 χ^2/NDF: 32.4/30

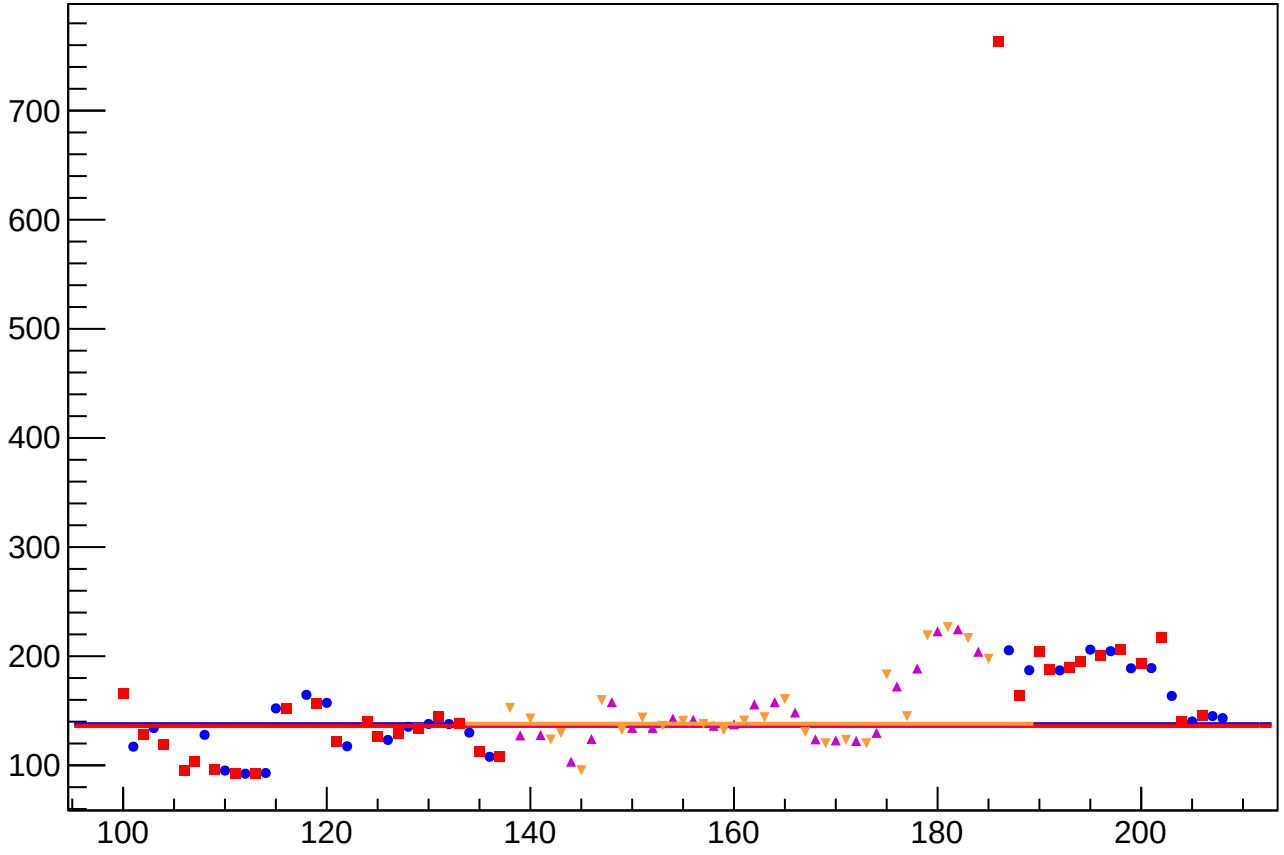
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 176.612+/-23.925 χ^2/NDF: 57.6/51

All: -7.430+/-16.968 χ^2/NDF: 247.4/105

- sign -193.706+/-24.069 χ^2/NDF: 70.8/53

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 137.728+/-0.025 χ^2/NDF: 1612028.5/26

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

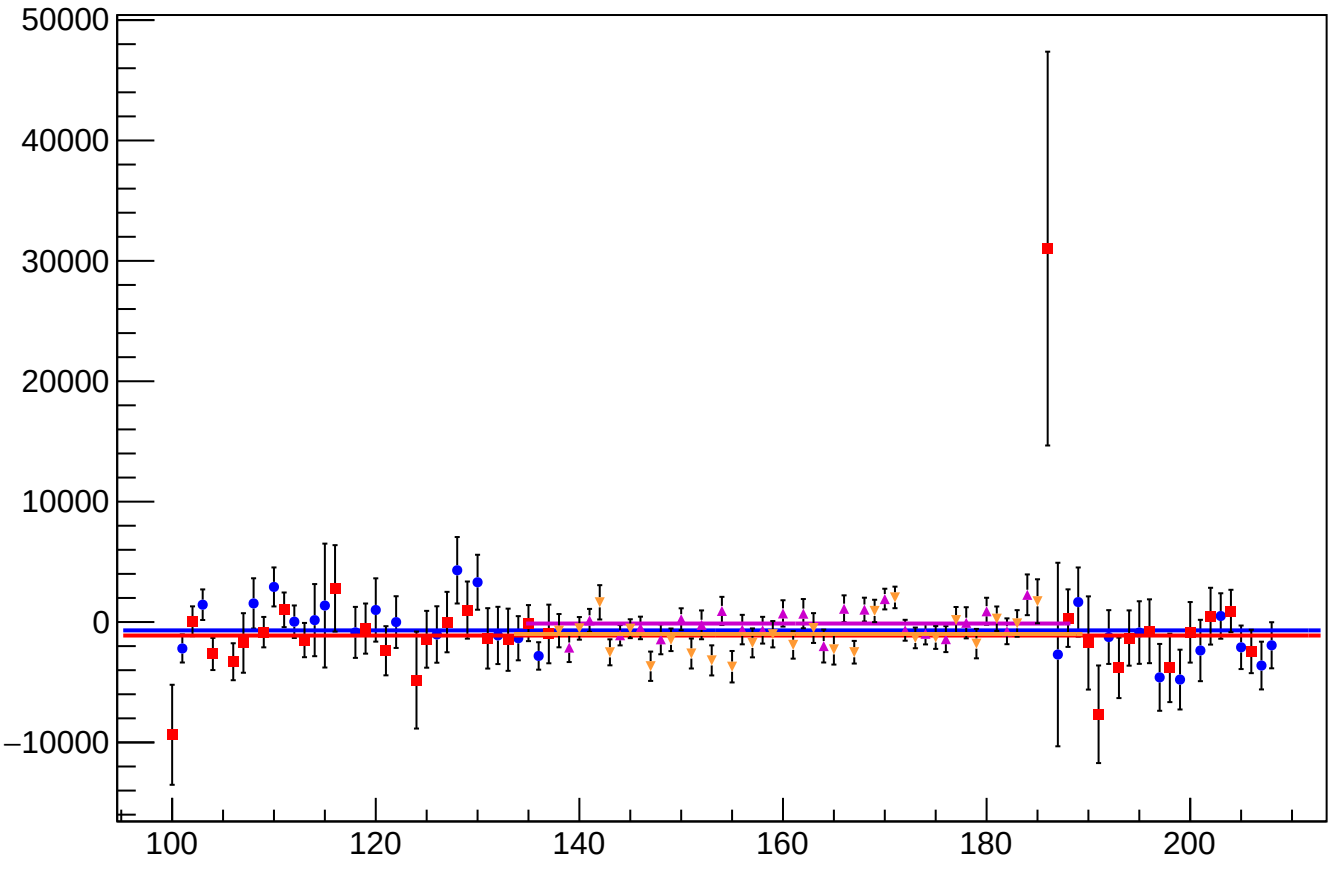
Right Out: 136.075+/-0.025 χ^2/NDF: 2629151.0/30

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 137.949+/-0.017 χ^2/NDF: 2950477.8/51

All: 137.395+/-0.012 χ^2/NDF: 6692832.0/105

- sign 136.834+/-0.017 χ^2/NDF: 3740192.3/53



Right In: -693.086+/-376.795 χ^2/NDF: 31.1/26

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1121.397+/-367.594 χ^2/NDF: 25.9/30

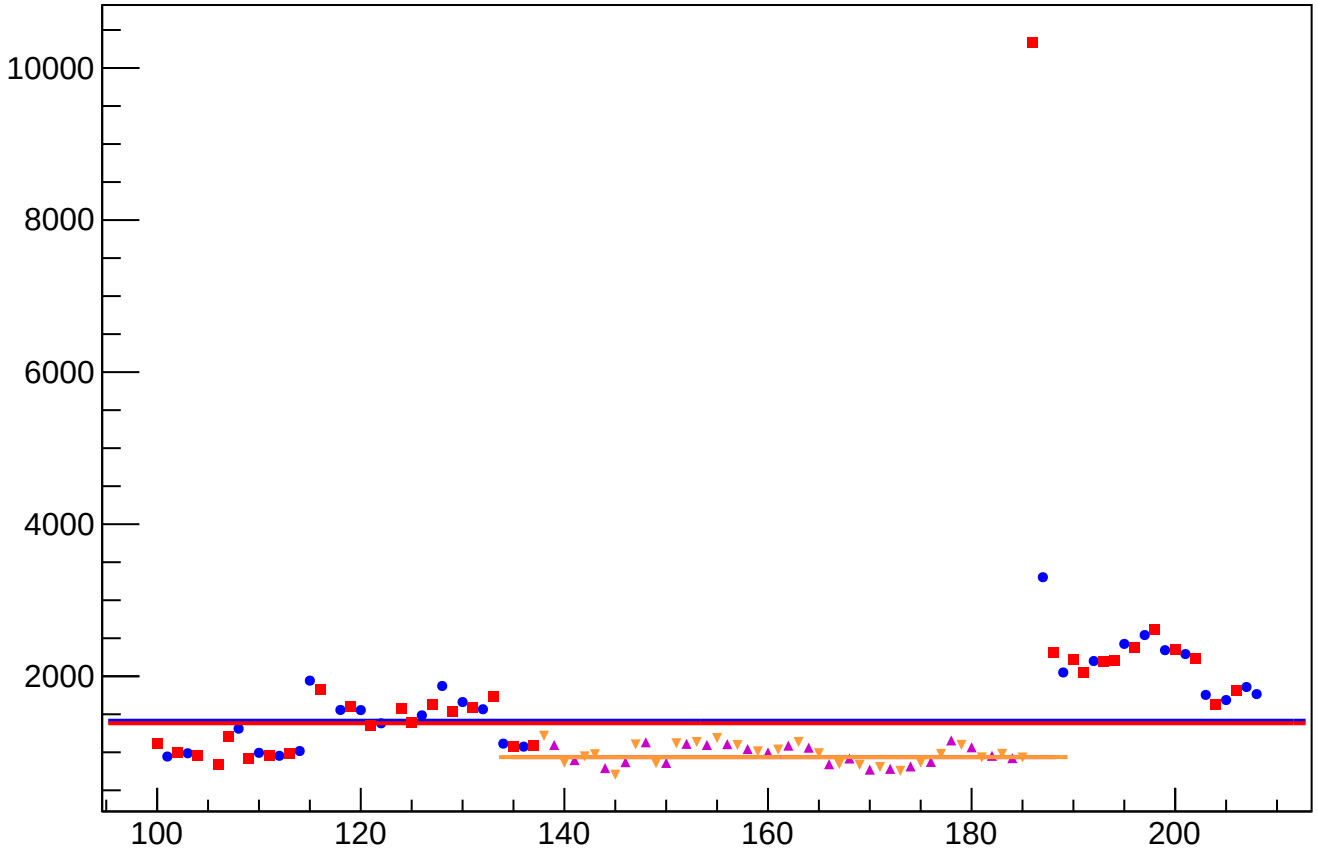
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -919.176+/-187.165 χ^2/NDF: 78.6/51

All: -658.092+/-133.211 χ^2/NDF: 137.6/105

- sign -390.071+/-189.635 χ^2/NDF: 55.1/53

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1415.174+/-0.266 χ^2/NDF: 3211966.1/26

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1381.954+/-0.260 χ^2/NDF: 4404543.6/30

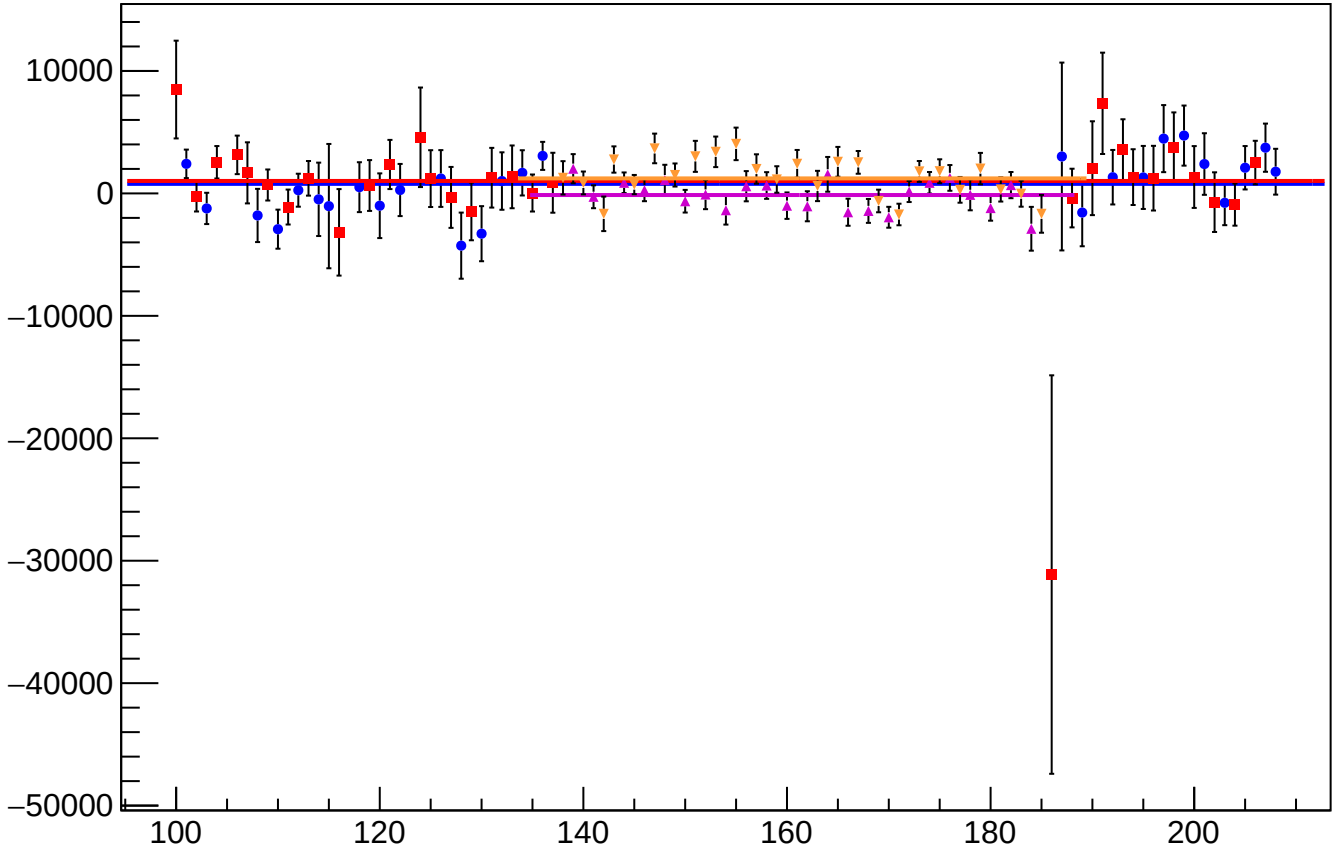
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1054.791+/-0.132 χ^2/NDF: 6473294.7/51

All: 1054.876+/-0.094 χ^2/NDF: 13677087.5/1

- sign 1054.963+/-0.134 χ^2/NDF: 7203791.9/53

asym_sam_48_dd_mean vs Slug



Right In: 779.668+/-374.222 χ^2/NDF: 32.8/26

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 1016.663+/-366.853 χ^2/NDF: 25.7/30

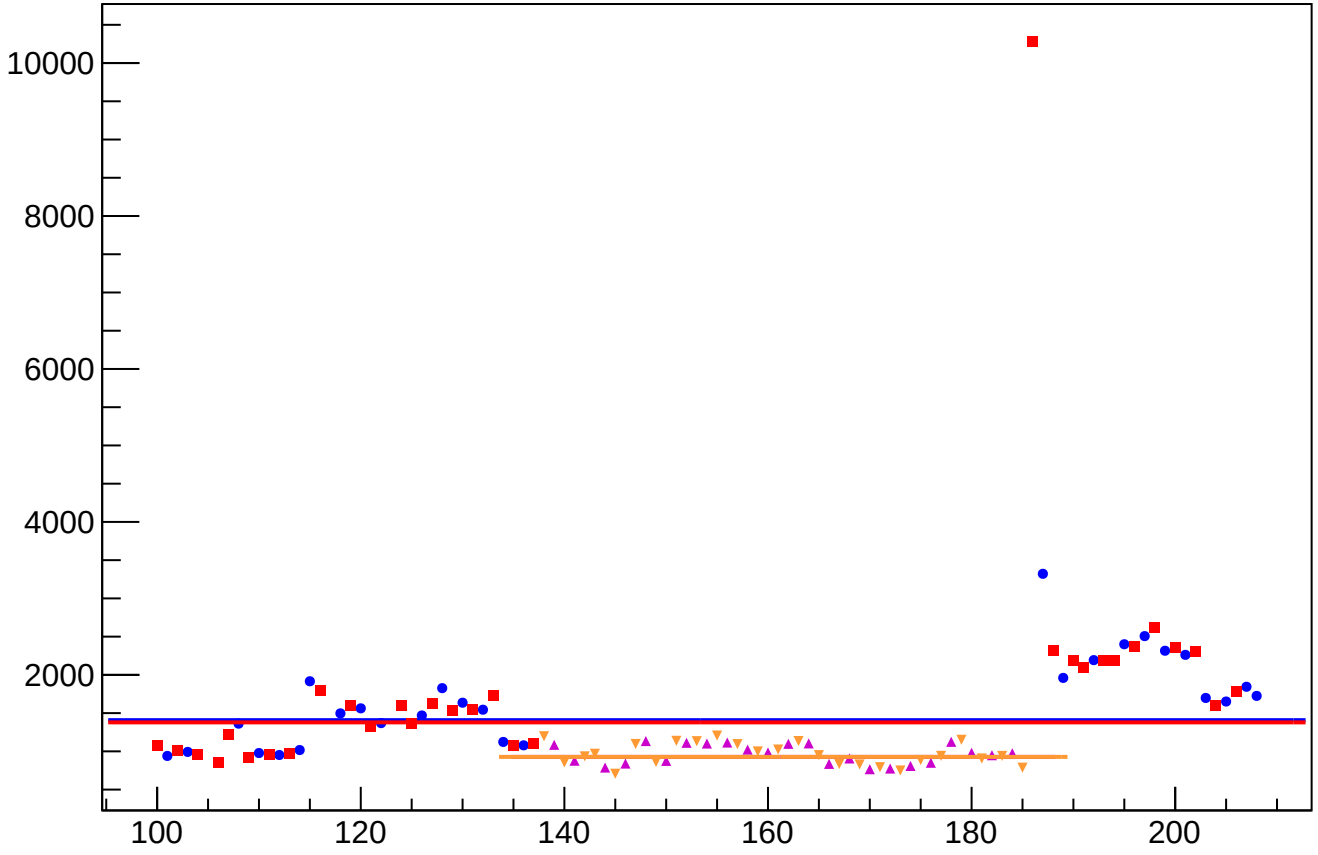
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1115.771+/-185.667 χ^2/NDF: 82.3/51

All: 649.213+/-132.179 χ^2/NDF: 154.0/105

- sign 169.749+/-188.218 χ^2/NDF: 58.8/53

asym_sam_48_dd_rms vs Slug



Right In: 1407.878+/-0.265 χ^2/NDF: 3085781.1/26

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

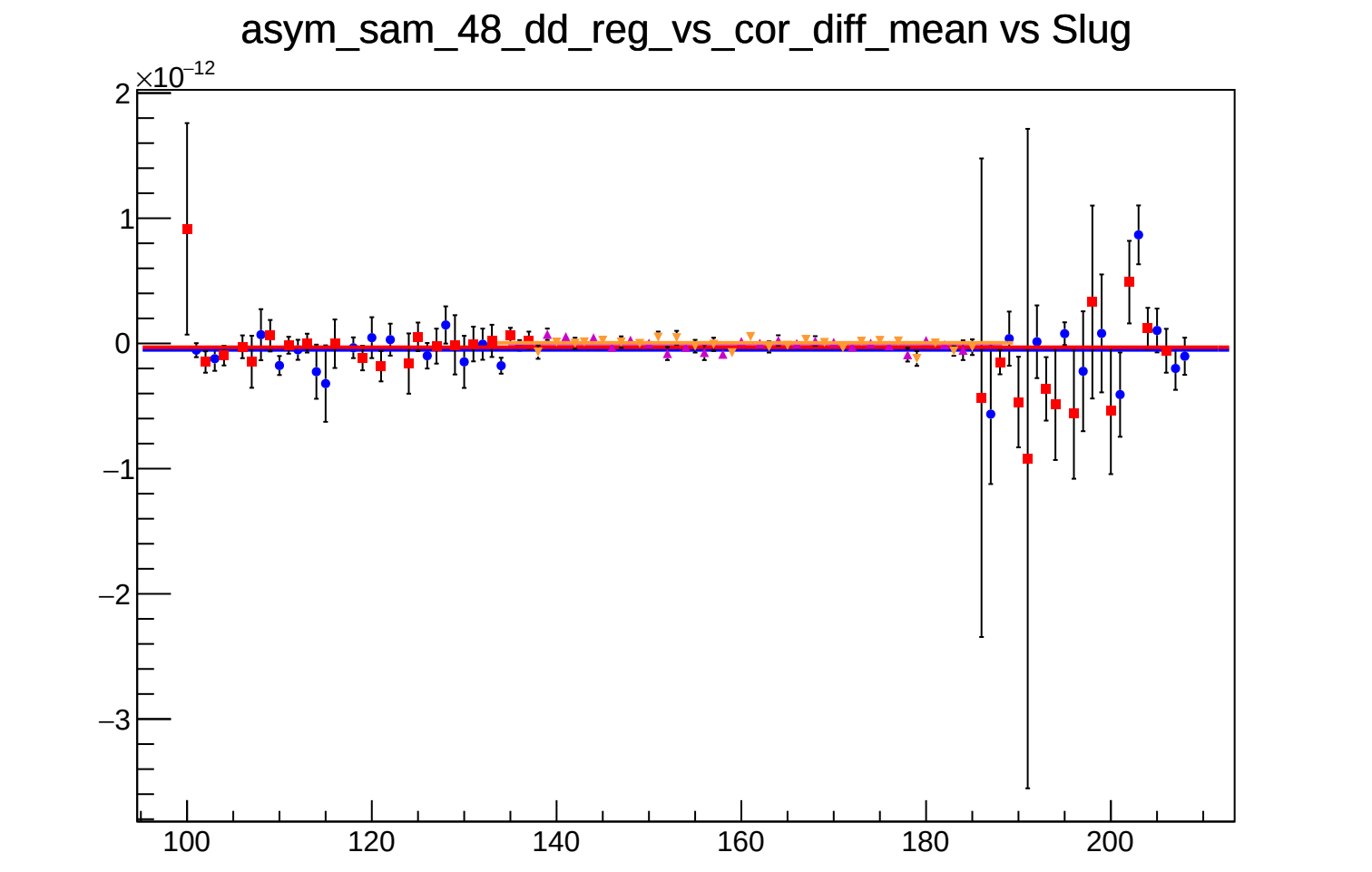
Right Out: 1379.096+/-0.259 χ^2/NDF: 4376314.8/30

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

\+ sign 1045.831+/-0.131 χ^2/NDF: 6444150.2/51

All: 1046.034+/-0.093 χ^2/NDF: 13711721.8/1

\- sign 1046.242+/-0.133 χ^2/NDF: 7267566.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 34.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

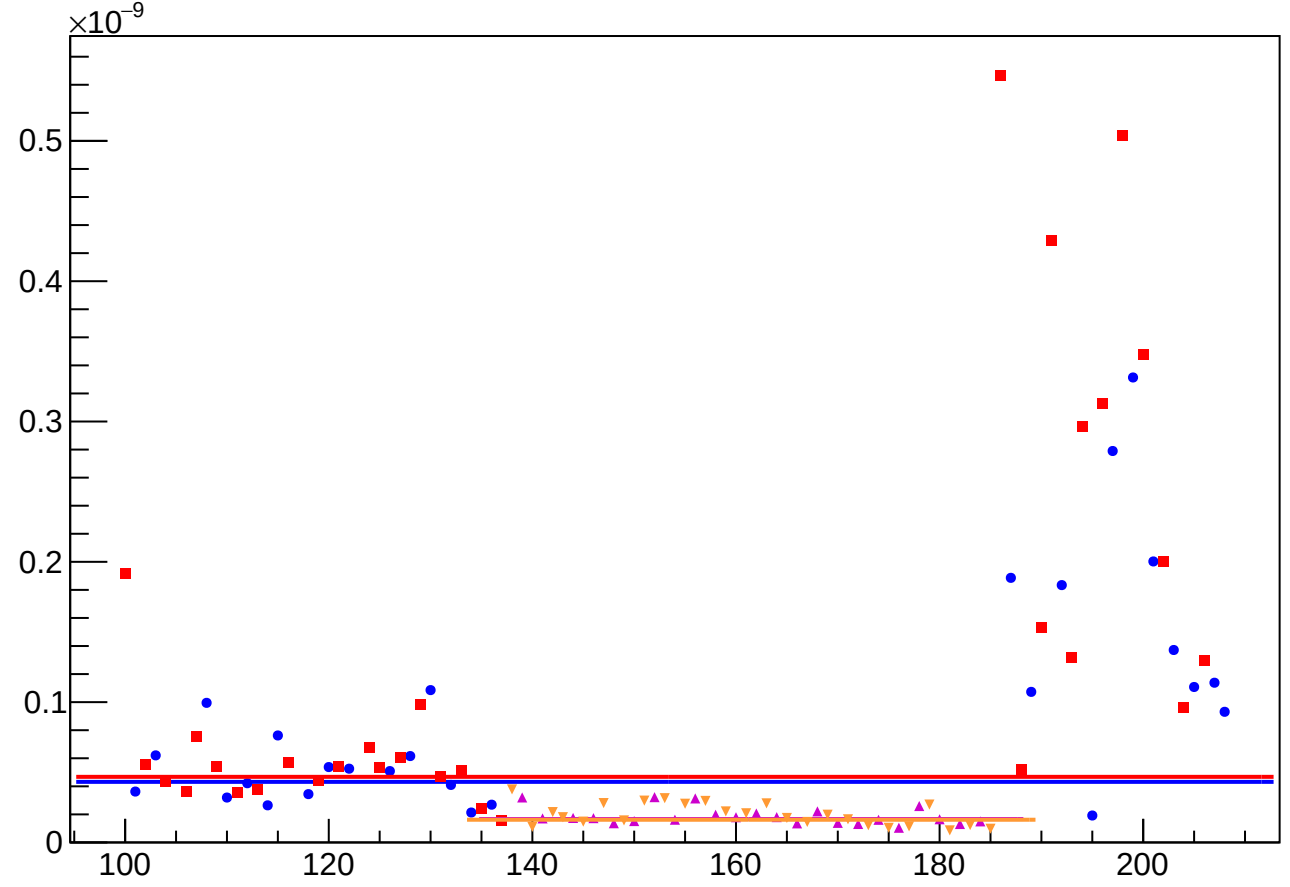
Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/30

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.6/51

All: -0.000+/-0.000 χ^2/NDF: 119.2/105

- sign -0.000+/-0.000 χ^2/NDF: 52.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 4926387.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5276639.8/30

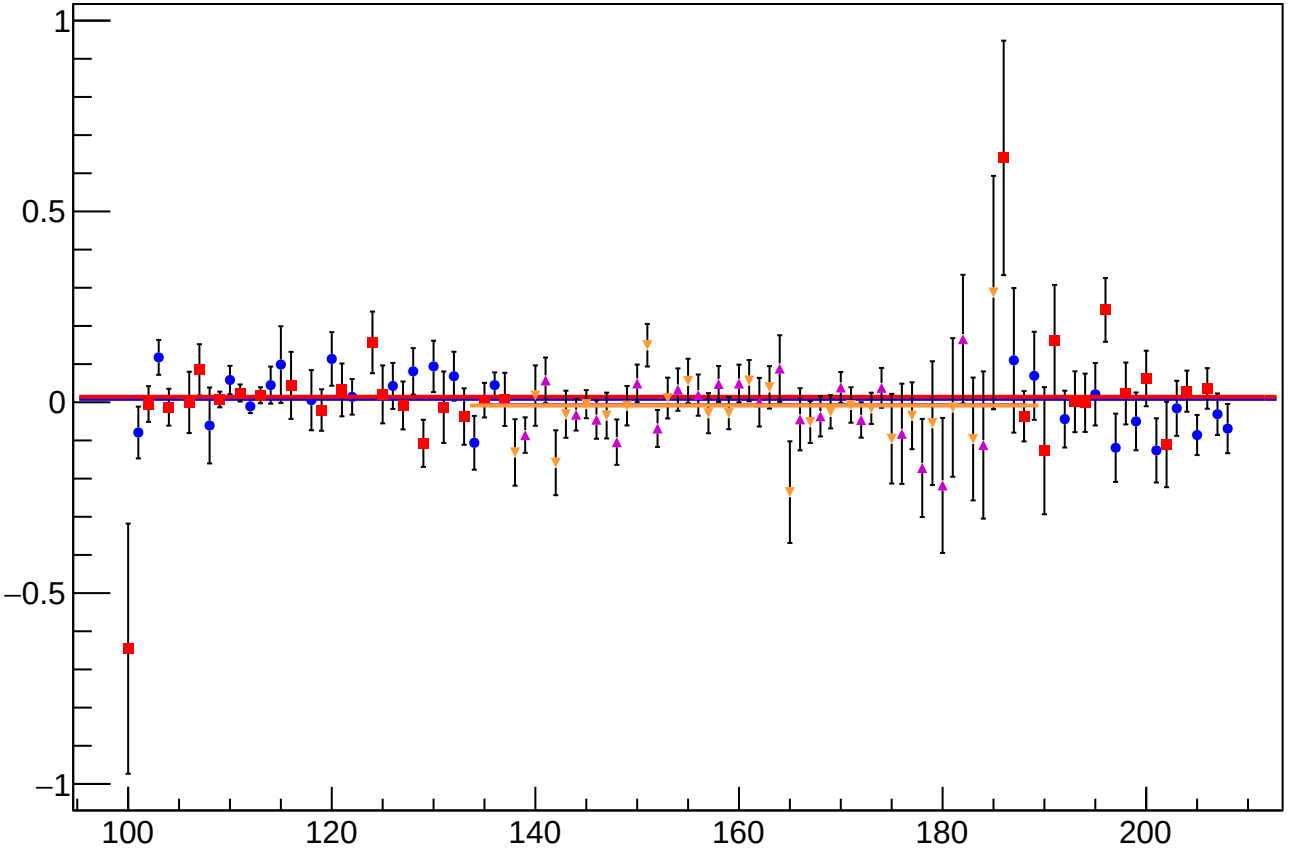
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10124031.5/51

All: 0.000+/-0.000 χ^2/NDF: 19800484.4/105

- sign 0.000+/-0.000 χ^2/NDF: 9663790.5/53

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.010 χ^2/NDF: 34.1/26

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.014+/-0.009 χ^2/NDF: 30.3/30

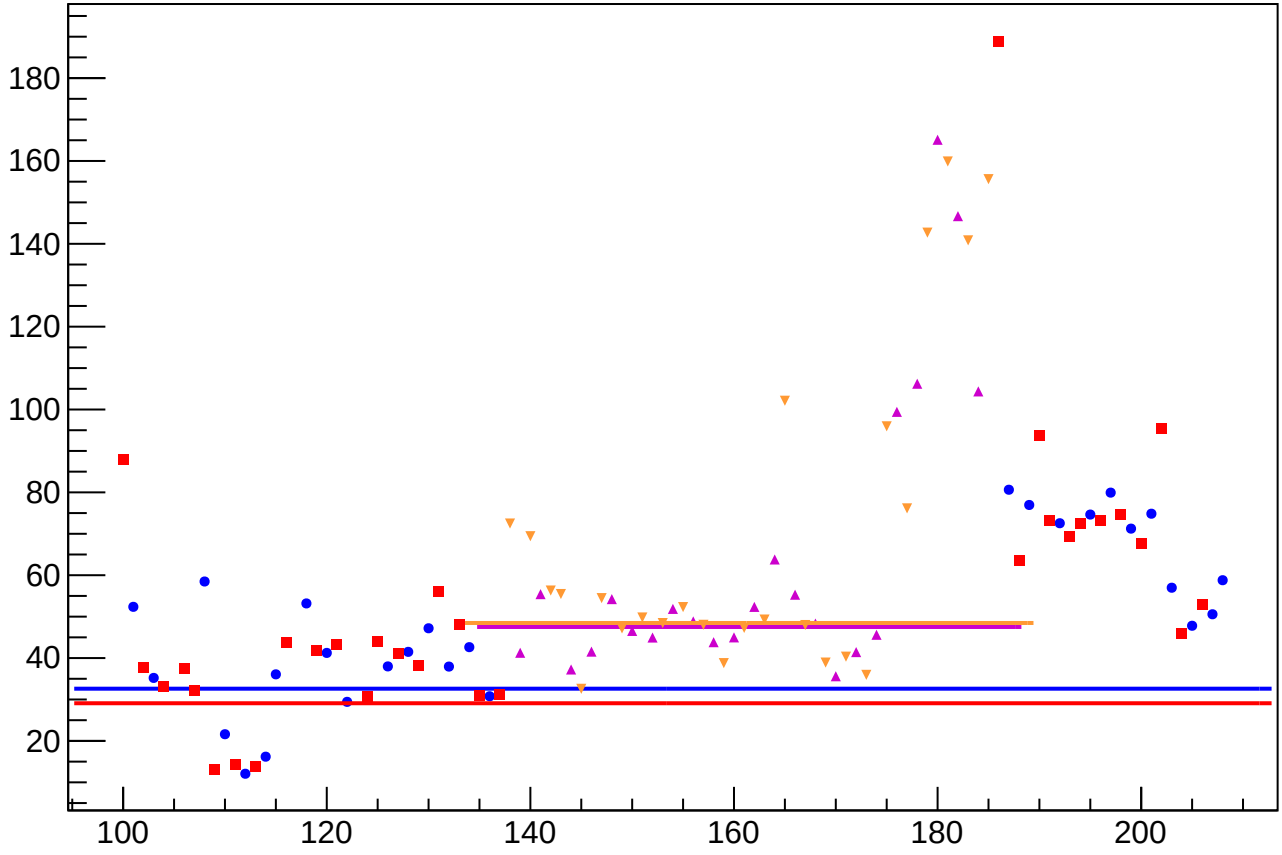
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/51

All: 0.004+/-0.005 χ^2/NDF: 114.4/105

- sign 0.007+/-0.007 χ^2/NDF: 55.6/53

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 32.607+/-0.007 χ^2/NDF: 7845955.1/26

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

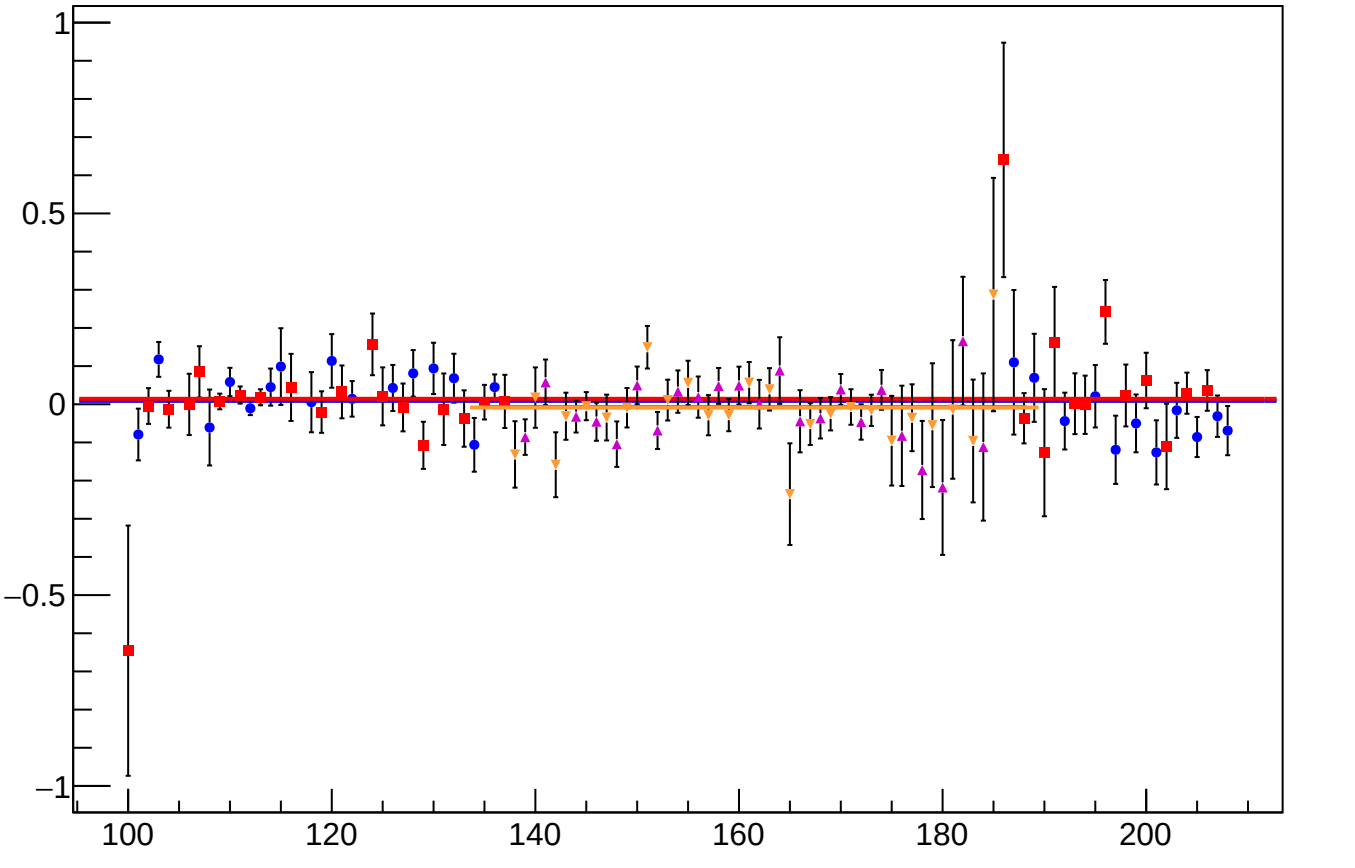
Right Out: 29.093+/-0.006 χ^2/NDF: 9802989.5/30

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 39.039+/-0.005 χ^2/NDF: 14295451.5/51

All: 37.276+/-0.004 χ^2/NDF: 30375640.6/105

- sign 35.707+/-0.005 χ^2/NDF: 15879114.1/53



Right In: 0.009+/-0.010 χ^2/NDF: 34.1/26

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

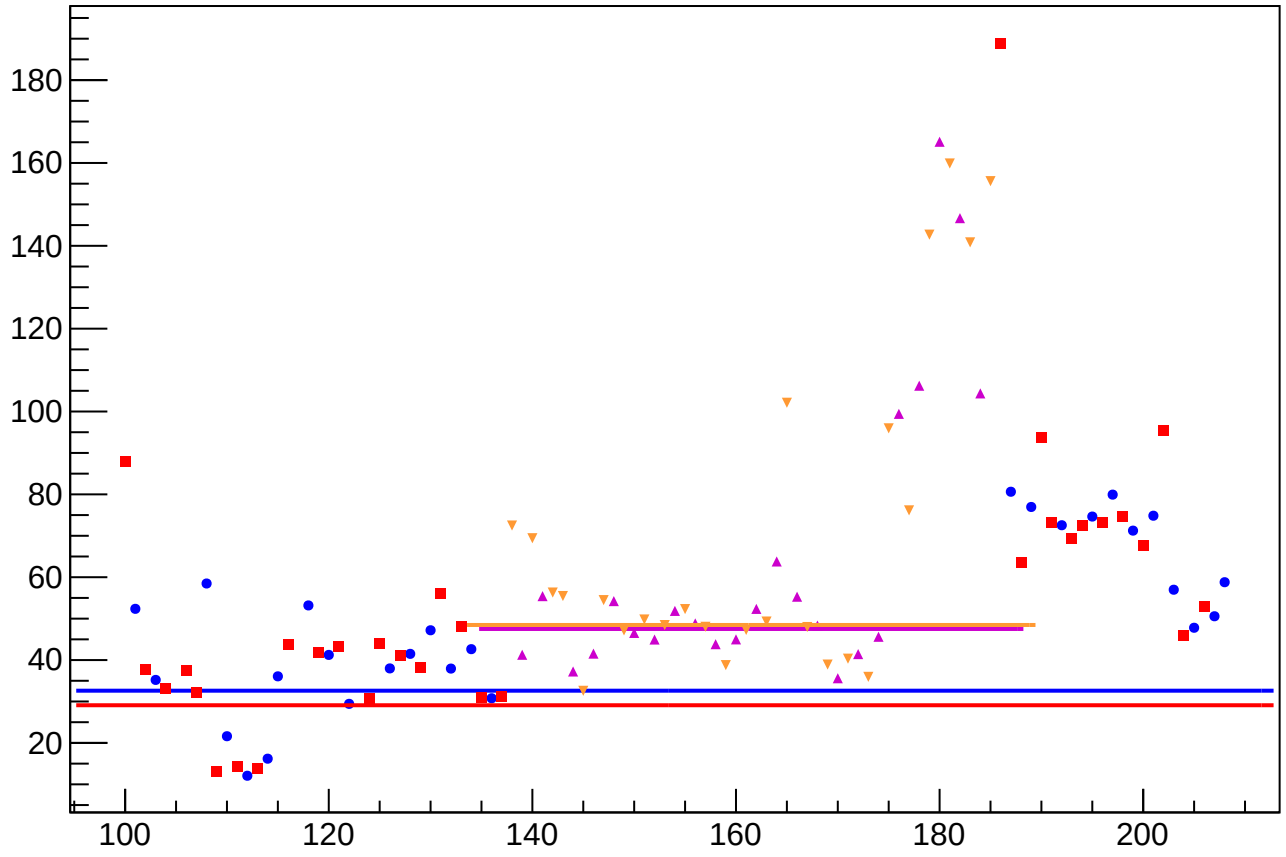
Right Out: 0.014+/-0.009 χ^2/NDF: 30.3/30

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/51

All: 0.004+/-0.005 χ^2/NDF: 114.4/105

- sign 0.007+/-0.007 χ^2/NDF: 55.6/53



Right In: 32.607+/-0.007 χ^2/NDF: 7845955.1/26

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

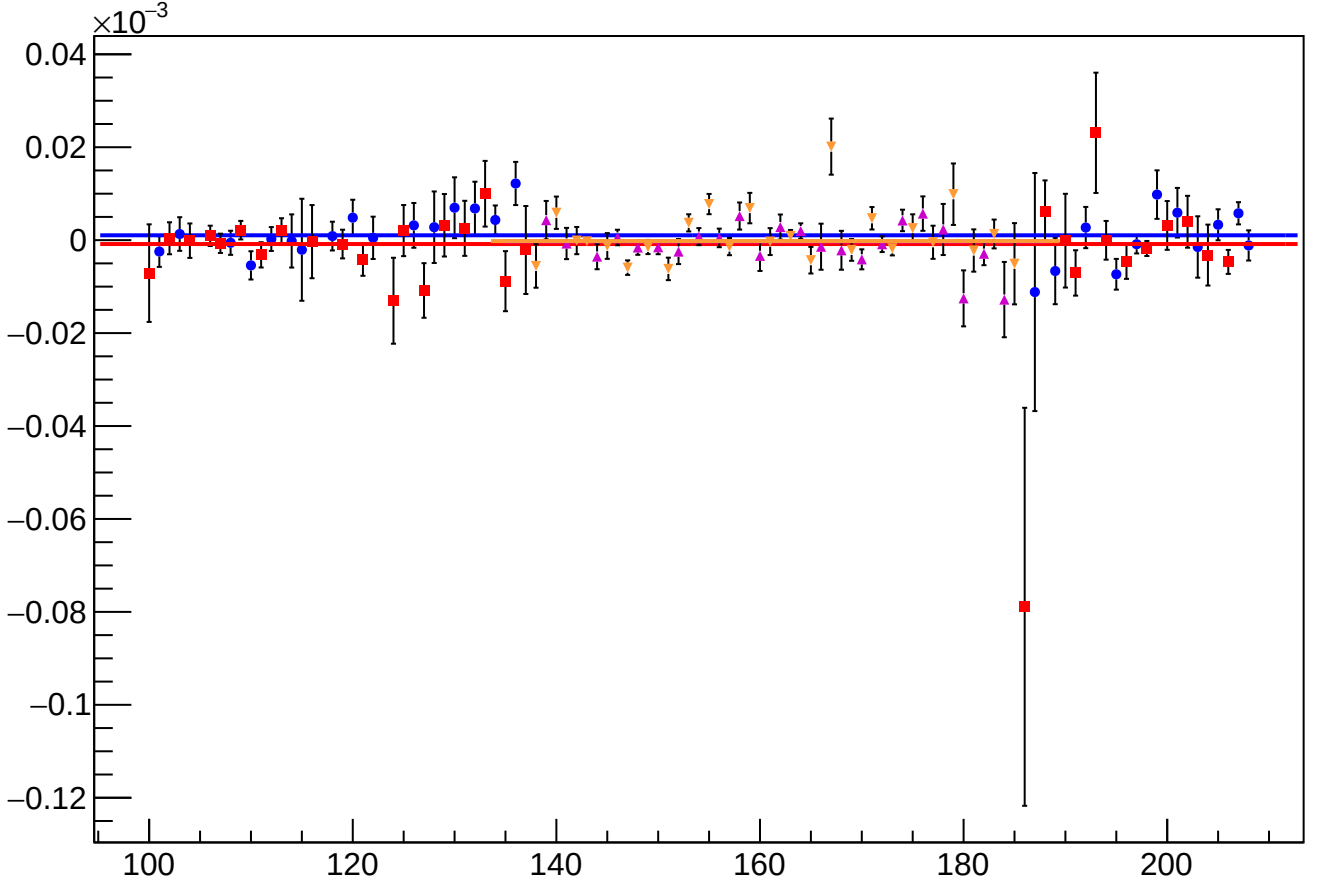
Right Out: 29.093+/-0.006 χ^2/NDF: 9802989.5/30

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 39.039+/-0.005 χ^2/NDF: 14295451.5/51

All: 37.276+/-0.004 χ^2/NDF: 30375640.6/105

- sign 35.707+/-0.005 χ^2/NDF: 15879114.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

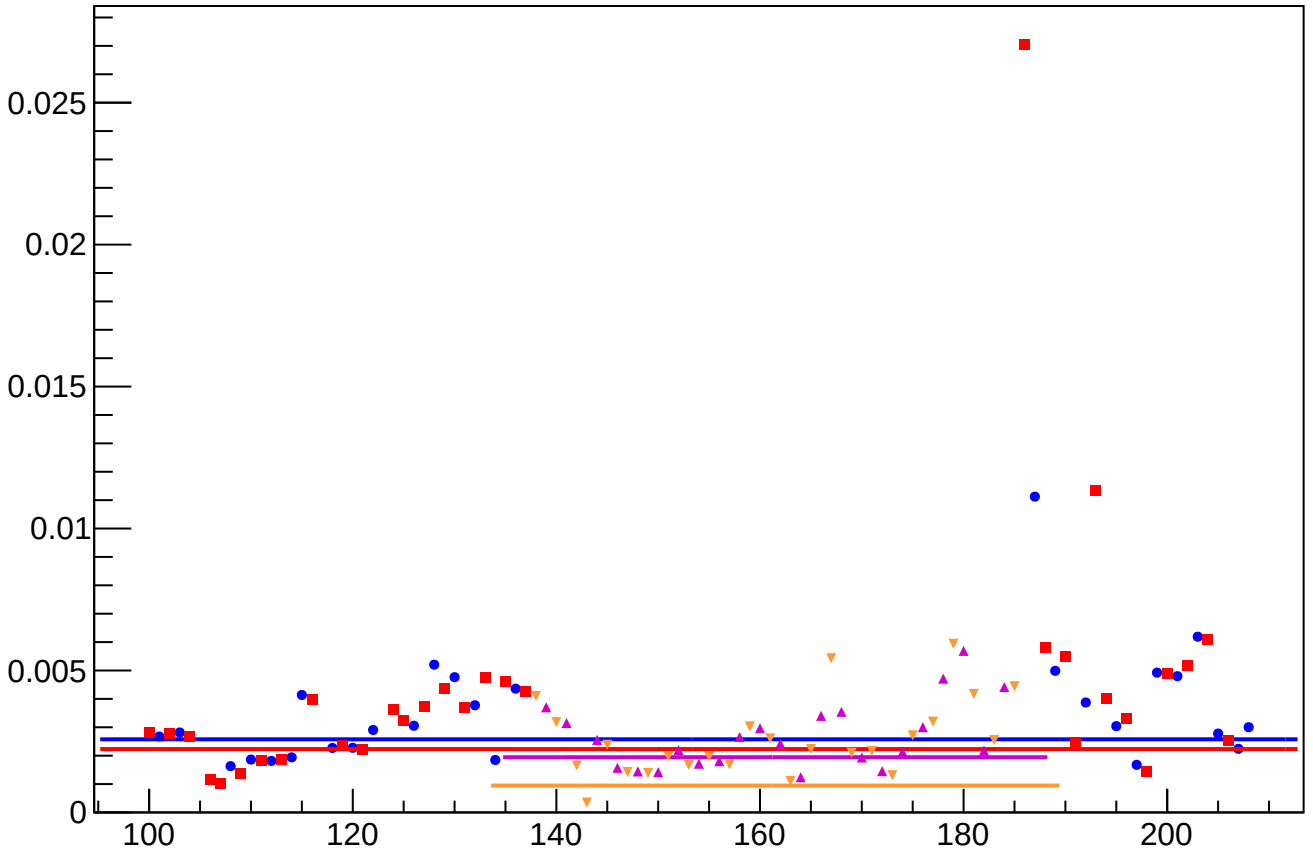
Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/30

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 108.0/51

All: -0.000+/-0.000 χ^2/NDF: 170.5/105

- sign -0.000+/-0.000 χ^2/NDF: 61.6/53



Right In: 0.003+/-0.000 χ^2/NDF: 4138862.2/26

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

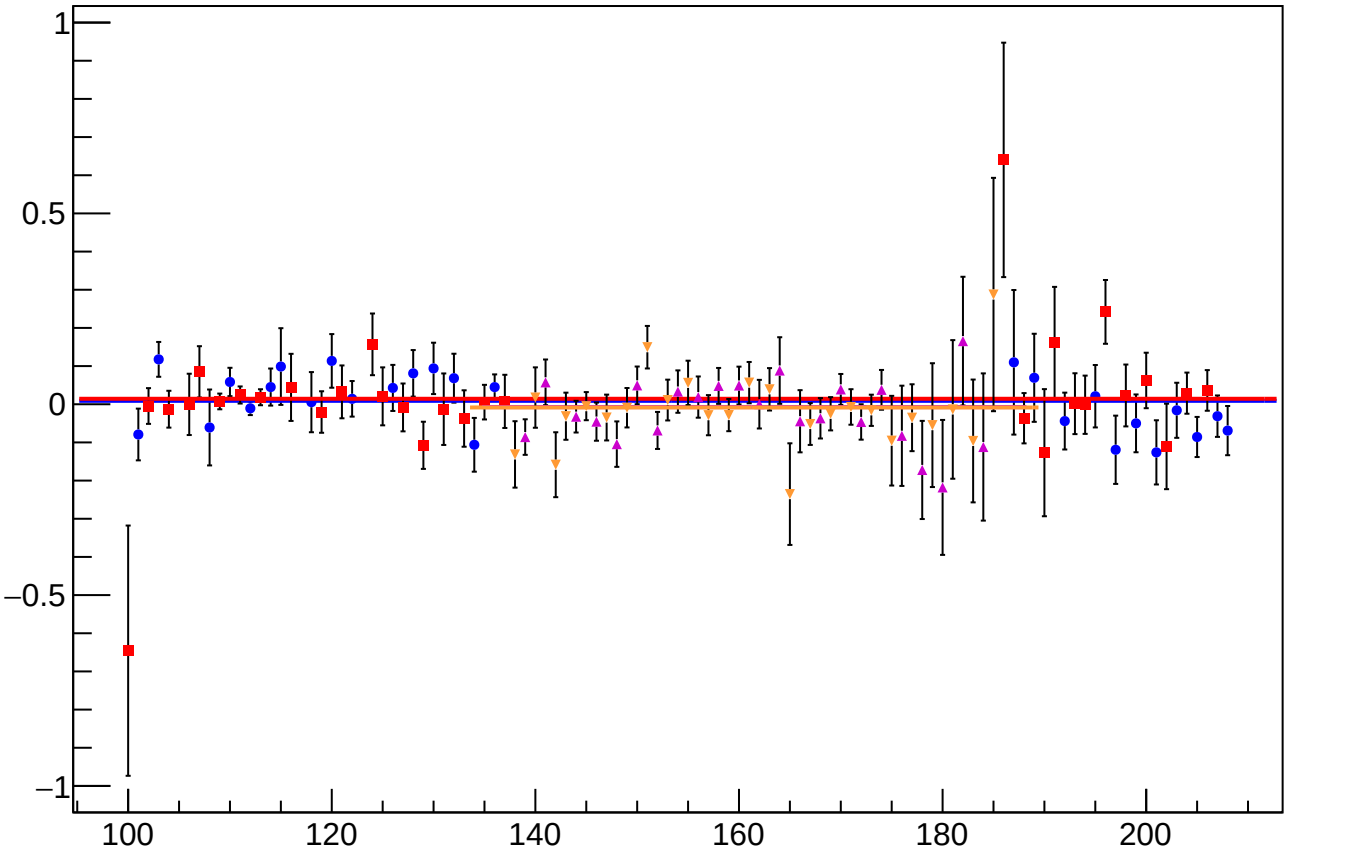
Right Out: 0.002+/-0.000 χ^2/NDF: 8247242.1/30

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 30616373.6/51

All: 0.001+/-0.000 χ^2/NDF: 49774723.8/105

- sign 0.002+/-0.000 χ^2/NDF: 12854573.0/53



Right In: 0.009+/-0.010 χ^2/NDF: 34.1/26

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

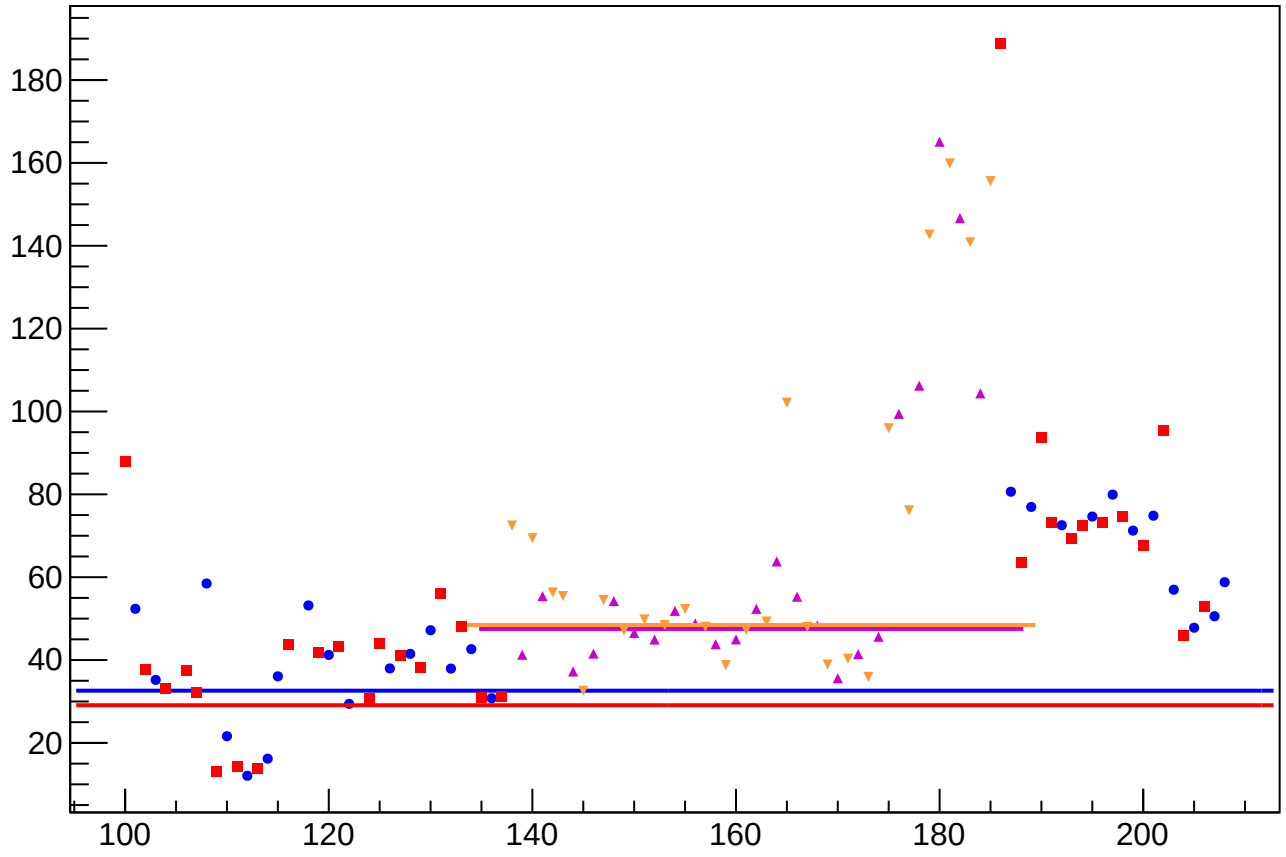
Right Out: 0.014+/-0.009 χ^2/NDF: 30.3/30

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/51

All: 0.004+/-0.005 χ^2/NDF: 114.4/105

- sign 0.007+/-0.007 χ^2/NDF: 55.6/53



Right In: 32.605+/-0.007 χ^2/NDF: 7846704.3/26

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

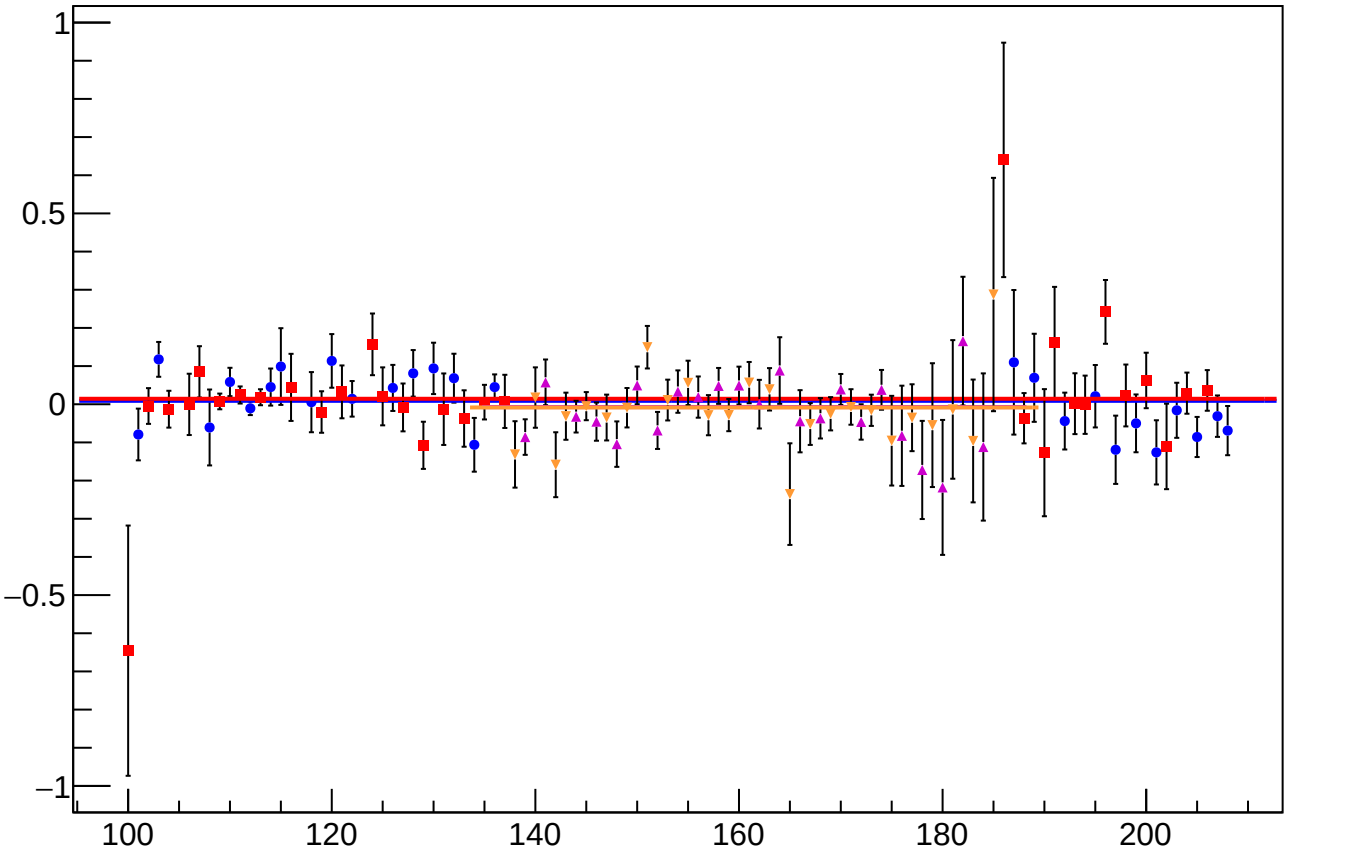
Right Out: 29.093+/-0.006 χ^2/NDF: 9803258.3/30

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 39.038+/-0.005 χ^2/NDF: 14296631.8/51

All: 37.275+/-0.004 χ^2/NDF: 30377152.8/105

- sign 35.707+/-0.005 χ^2/NDF: 15879531.7/53



Right In: 0.009+/-0.010 χ^2/NDF: 34.1/26

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

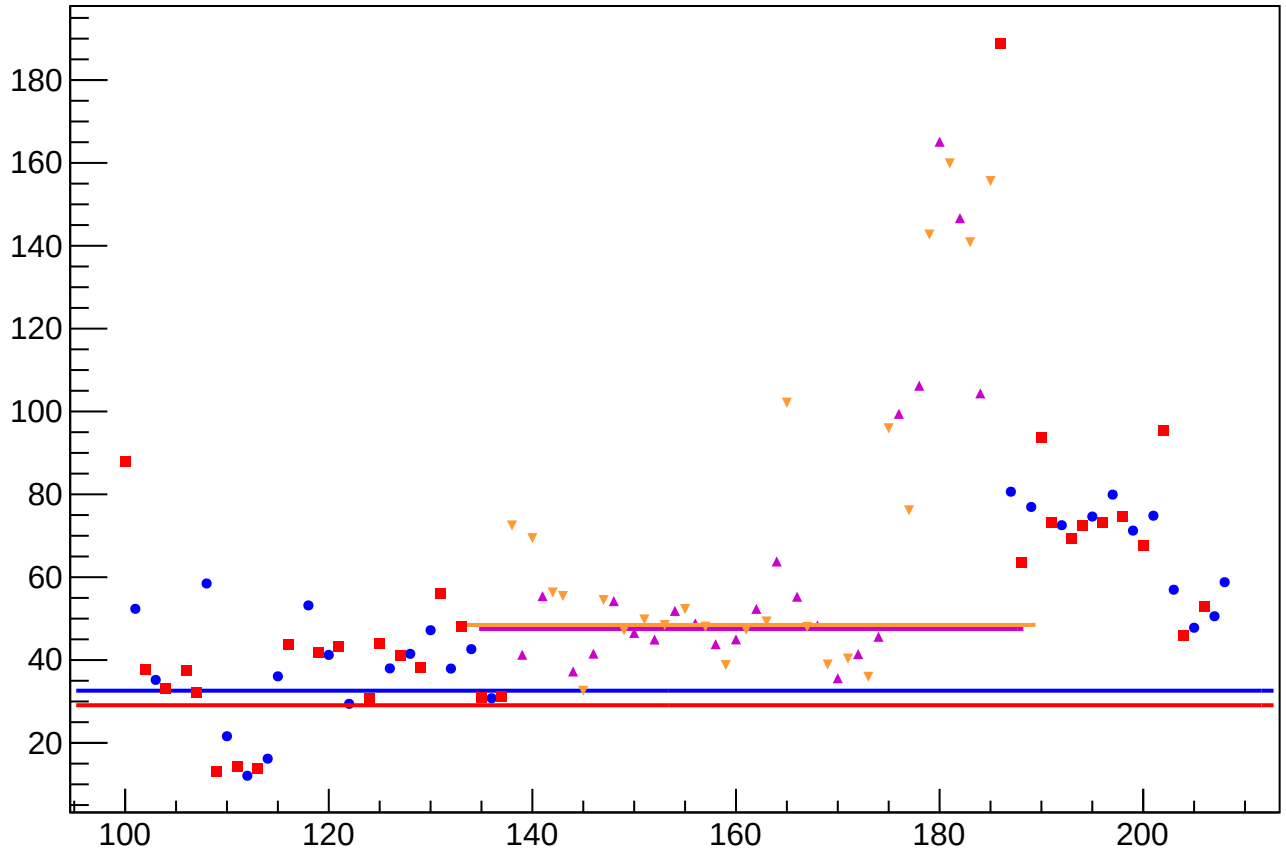
Right Out: 0.014+/-0.009 χ^2/NDF: 30.3/30

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/51

All: 0.004+/-0.005 χ^2/NDF: 114.4/105

- sign 0.007+/-0.007 χ^2/NDF: 55.6/53



Right In: 32.605+/-0.007 χ^2/NDF: 7846704.3/26

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

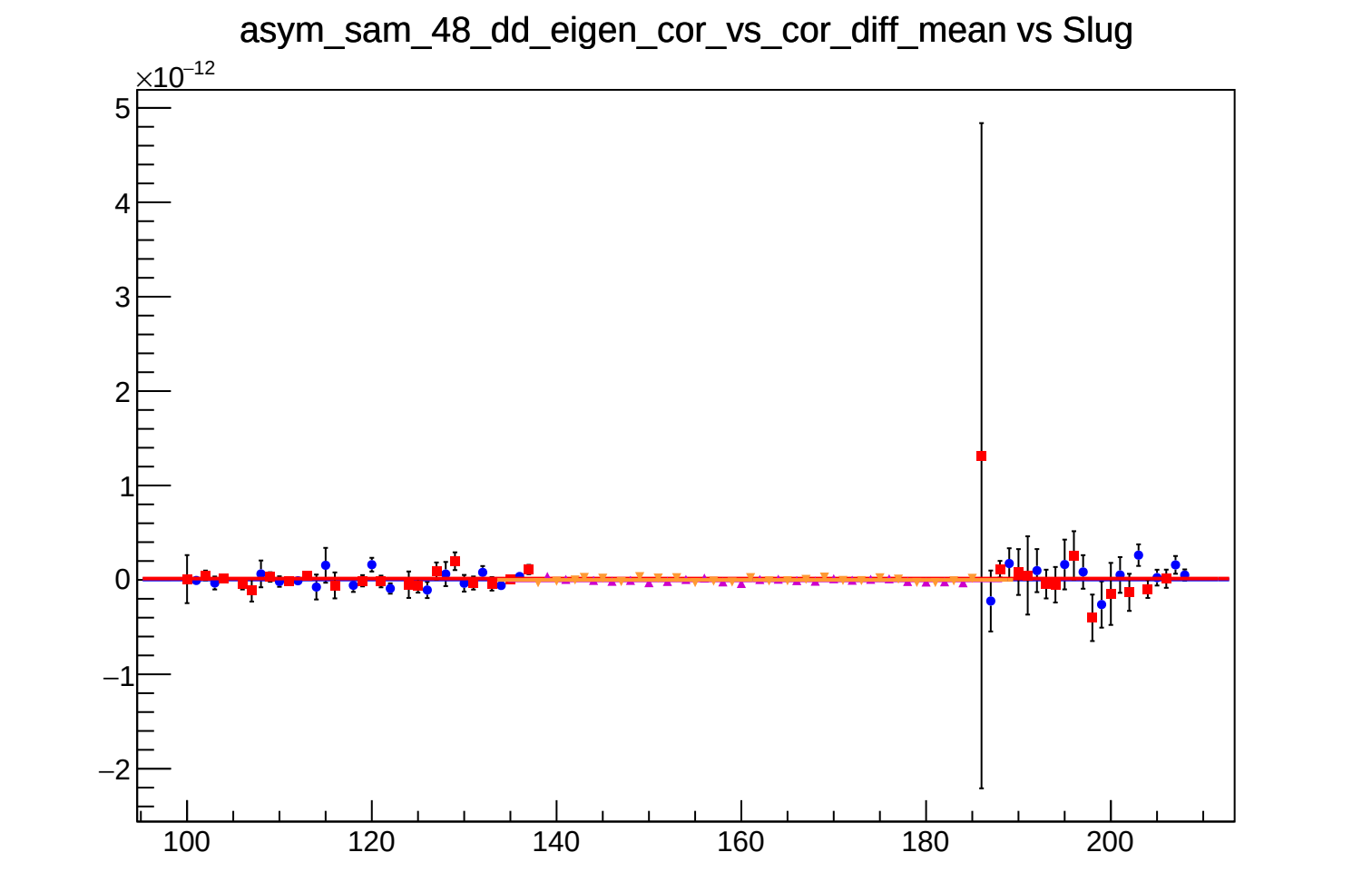
Right Out: 29.093+/-0.006 χ^2/NDF: 9803258.3/30

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 39.038+/-0.005 χ^2/NDF: 14296631.8/51

All: 37.275+/-0.004 χ^2/NDF: 30377152.8/105

- sign 35.707+/-0.005 χ^2/NDF: 15879531.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 31.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

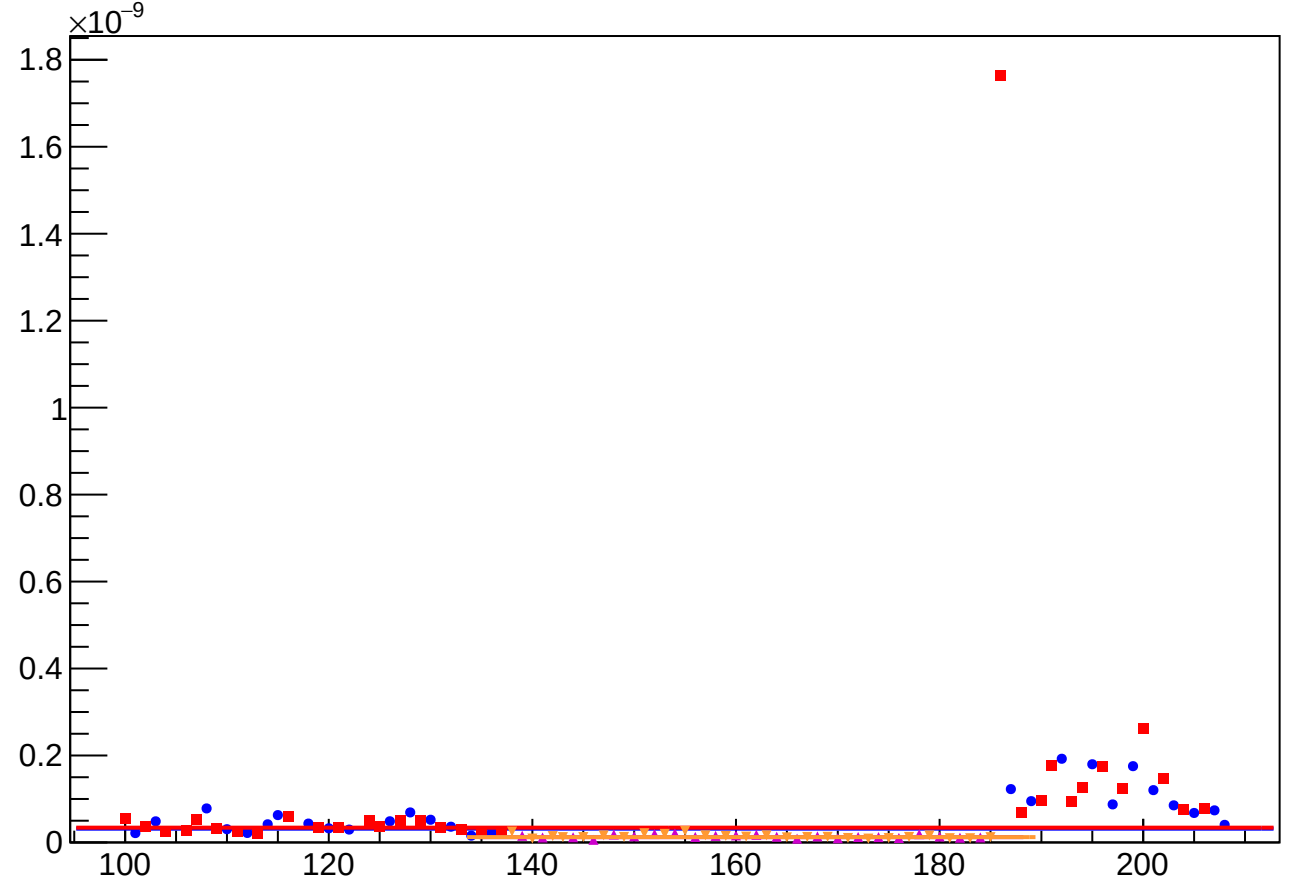
Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/30

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.0/51

All: -0.000+/-0.000 χ^2/NDF: 107.8/105

- sign -0.000+/-0.000 χ^2/NDF: 44.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 6695913.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6436498.6/30

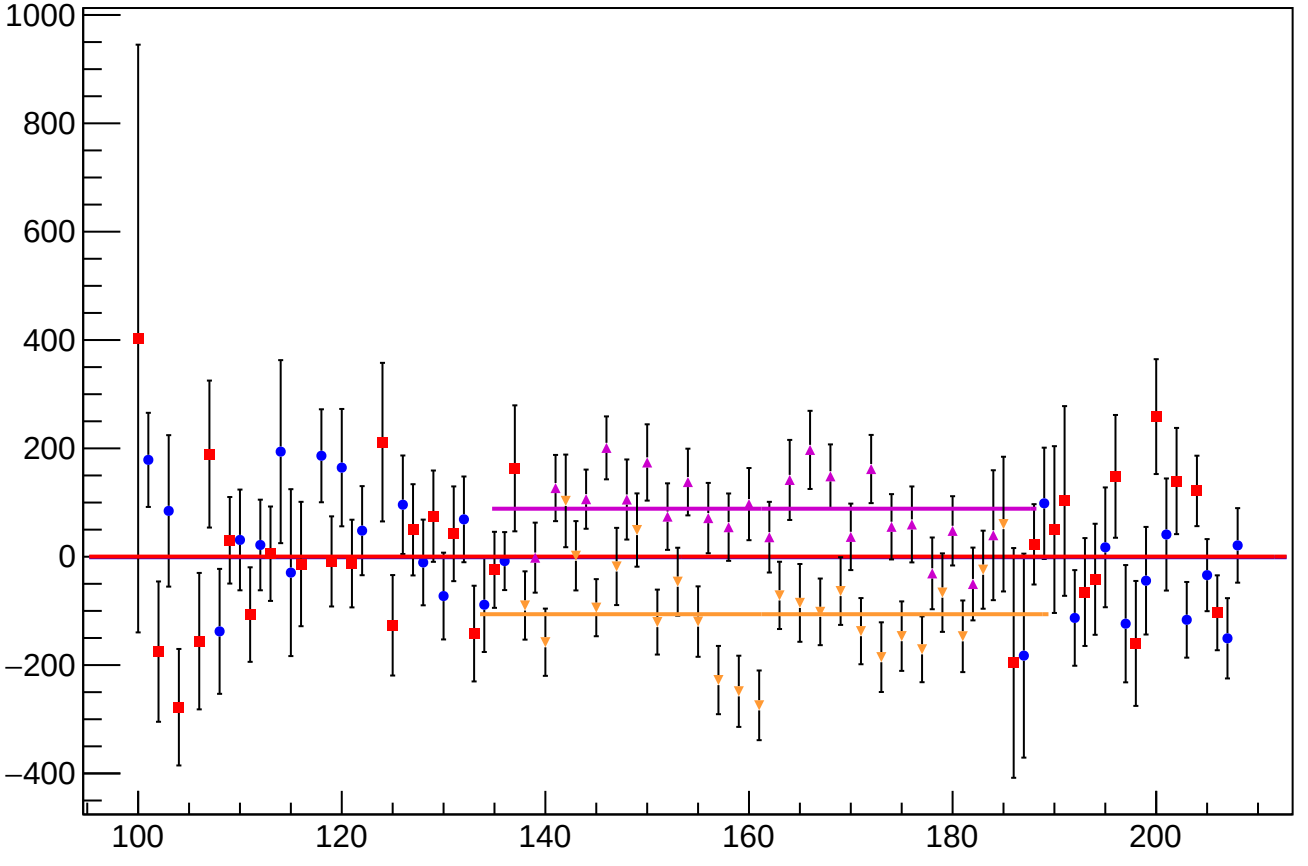
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13441755.5/51

All: 0.000+/-0.000 χ^2/NDF: 27234117.3/105

- sign 0.000+/-0.000 χ^2/NDF: 13792153.3/53

reg_asym_sam_13_57_dd_mean vs Slug



Right In: -0.912+/-16.955 χ^2/NDF: 31.1/26

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 0.228+/-17.388 χ^2/NDF: 43.6/30

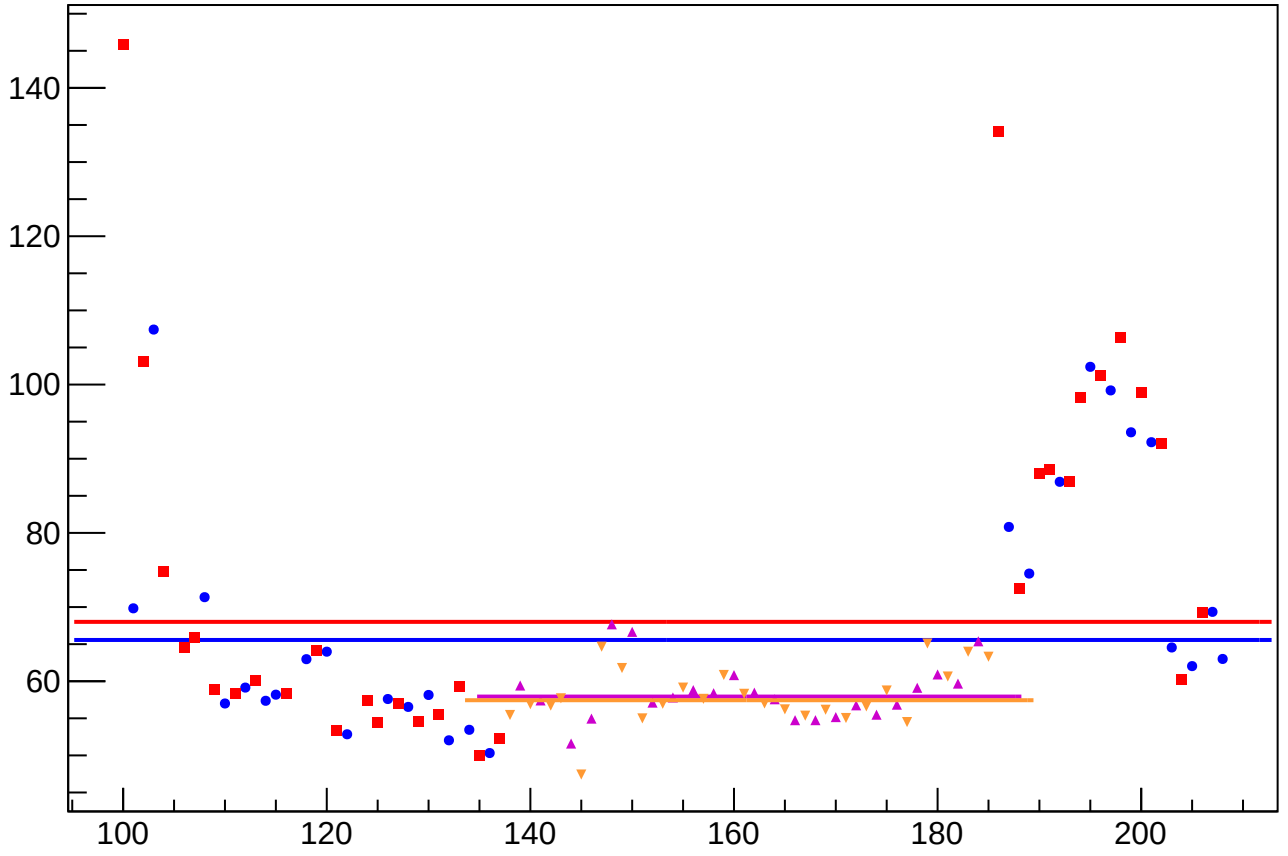
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -66.820+/-10.361 χ^2/NDF: 95.9/51

All: -7.764+/-7.442 χ^2/NDF: 246.6/105

- sign 55.173+/-10.696 χ^2/NDF: 83.5/53

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 65.564+/-0.012 χ^2/NDF: 1461190.7/26

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

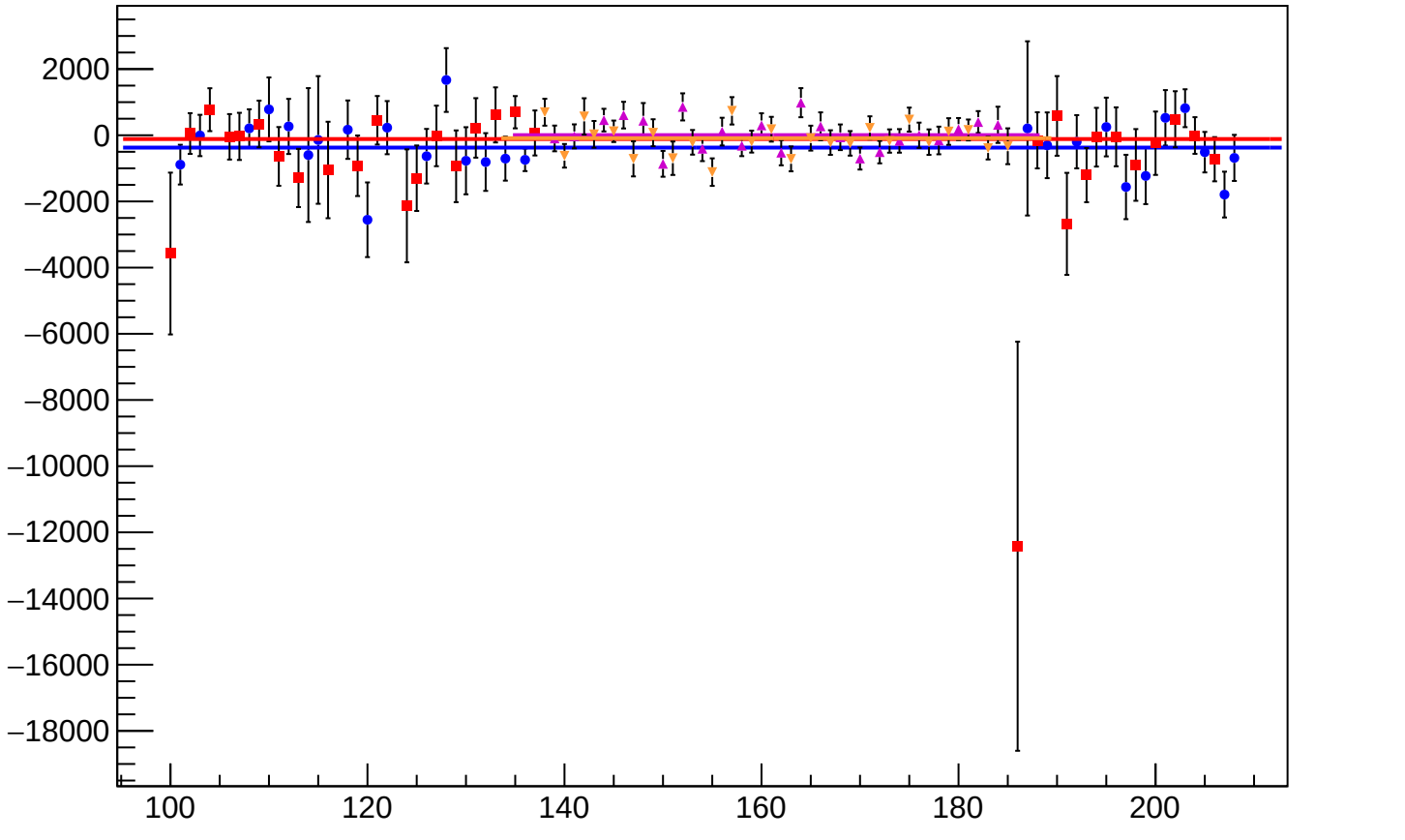
Right Out: 68.006+/-0.012 χ^2/NDF: 1938421.2/30

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.474+/-0.007 χ^2/NDF: 1923471.5/51

All: 61.089+/-0.005 χ^2/NDF: 4429574.1/105

- sign 61.744+/-0.008 χ^2/NDF: 2491551.3/53



Right In: -373.371+/-143.790 χ^2/NDF: 28.3/26

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -114.574+/-148.704 χ^2/NDF: 26.2/30

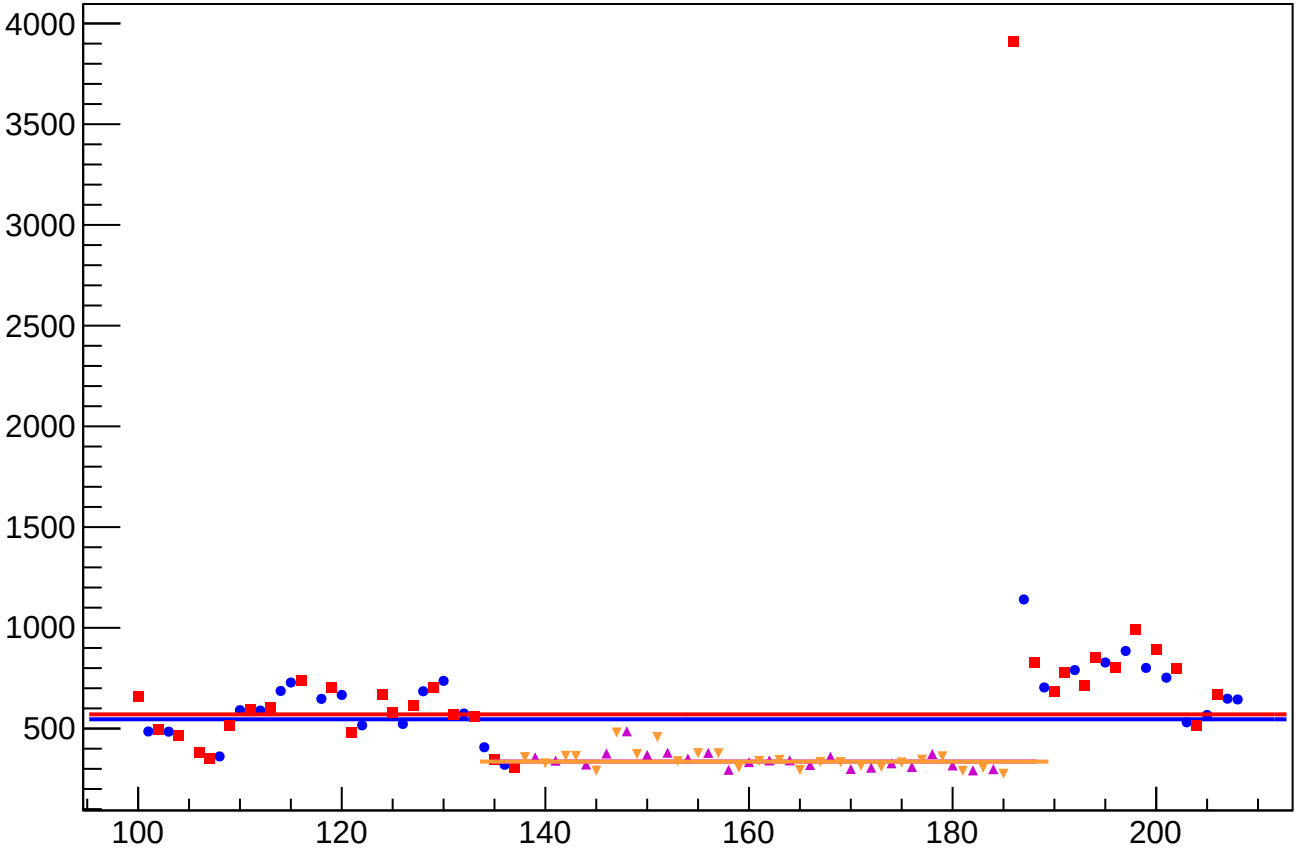
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -152.433+/-67.888 χ^2/NDF: 61.2/51

All: -89.578+/-48.699 χ^2/NDF: 123.3/105

- sign -22.942+/-69.899 χ^2/NDF: 60.3/53

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 545.859+/-0.102 χ^2/NDF: 2583200.2/26

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 570.309+/-0.105 χ^2/NDF: 3266874.1/30

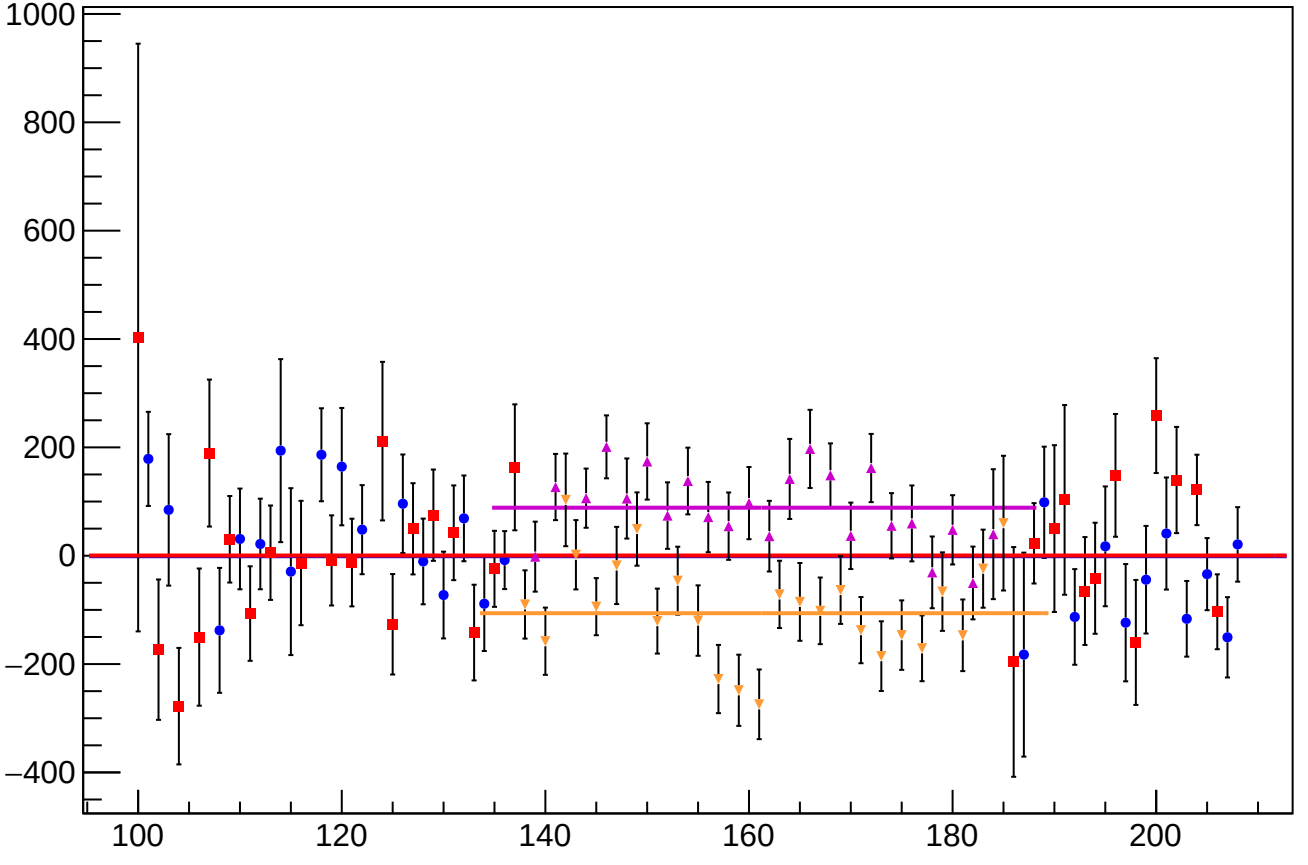
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 382.696+/-0.048 χ^2/NDF: 6430907.5/51

All: 385.289+/-0.034 χ^2/NDF: 13975019.4/10

- sign 388.038+/-0.049 χ^2/NDF: 7538102.3/53

cor_asym_sam_13_57_dd_mean vs Slug



Right In: -0.917+/-16.955 χ^2/NDF: 31.1/26

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 0.403+/-17.390 χ^2/NDF: 43.4/30

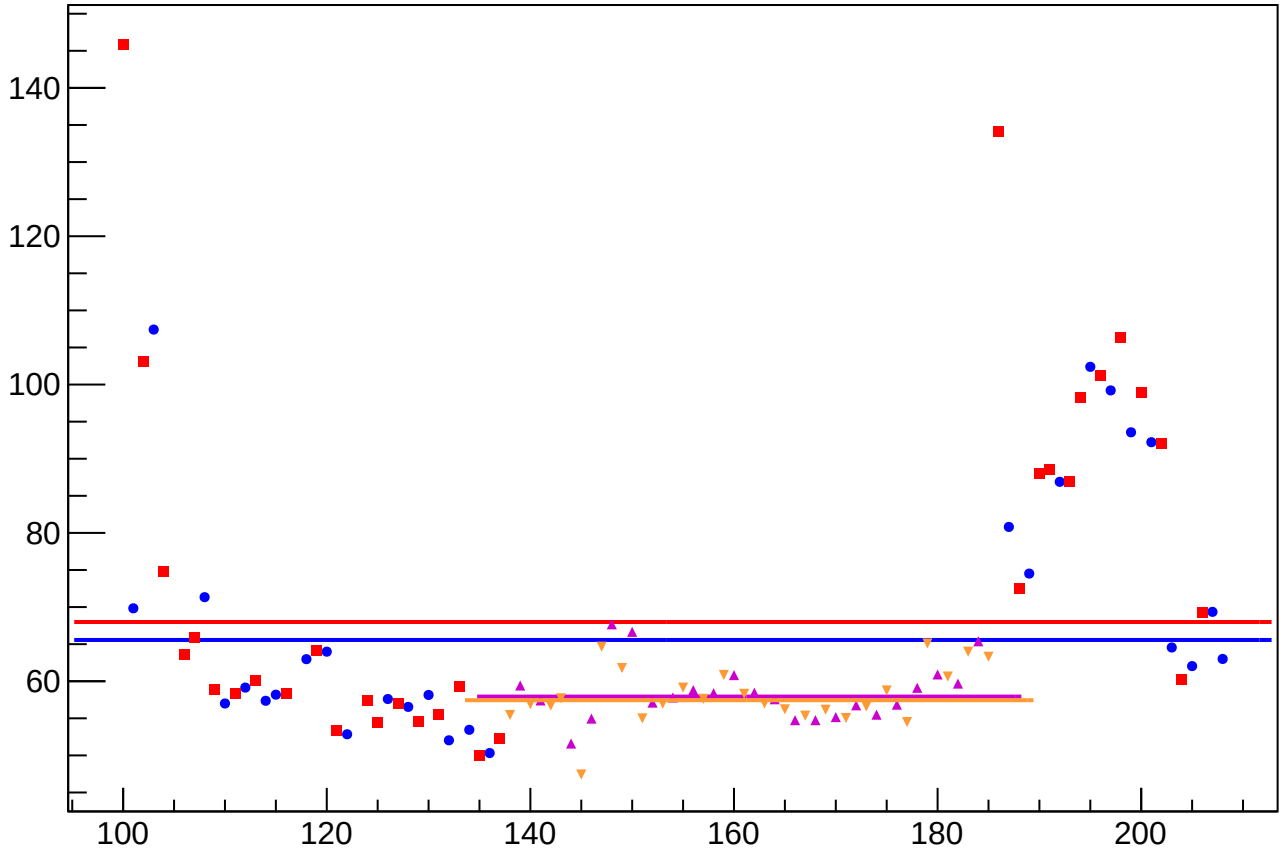
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -66.822+/-10.361 χ^2/NDF: 95.9/51

All: -7.733+/-7.442 χ^2/NDF: 246.4/105

- sign 55.245+/-10.696 χ^2/NDF: 83.3/53

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.564+/-0.012 χ^2/NDF: 1461192.7/26

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

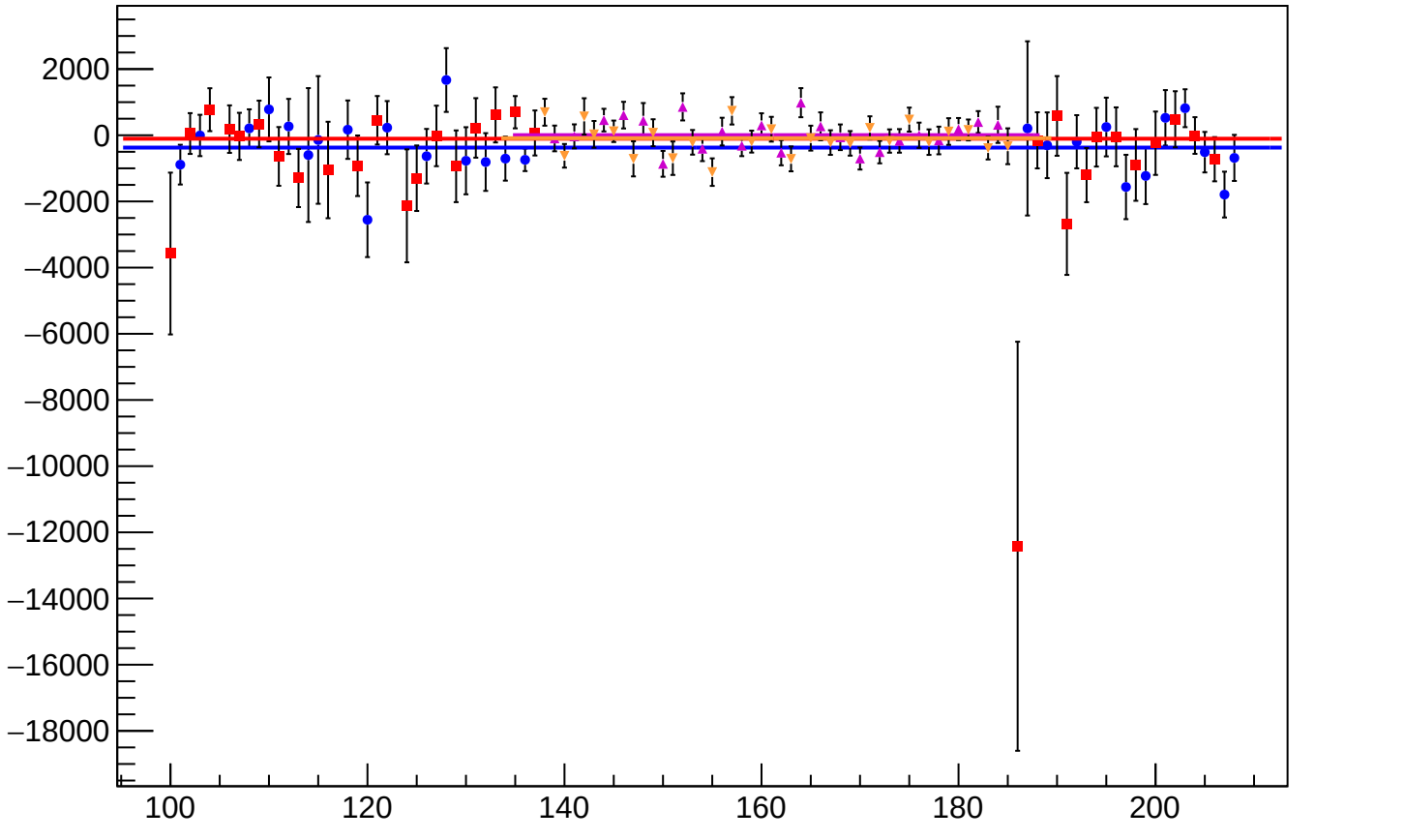
Right Out: 67.988+/-0.012 χ^2/NDF: 1939576.7/30

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.474+/-0.007 χ^2/NDF: 1923473.6/51

All: 61.085+/-0.005 χ^2/NDF: 4429044.4/105

- sign 61.737+/-0.008 χ^2/NDF: 2491185.1/53



Right In: -373.351+/-143.791 χ^2/NDF: 28.3/26

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -104.831+/-149.007 χ^2/NDF: 26.4/30

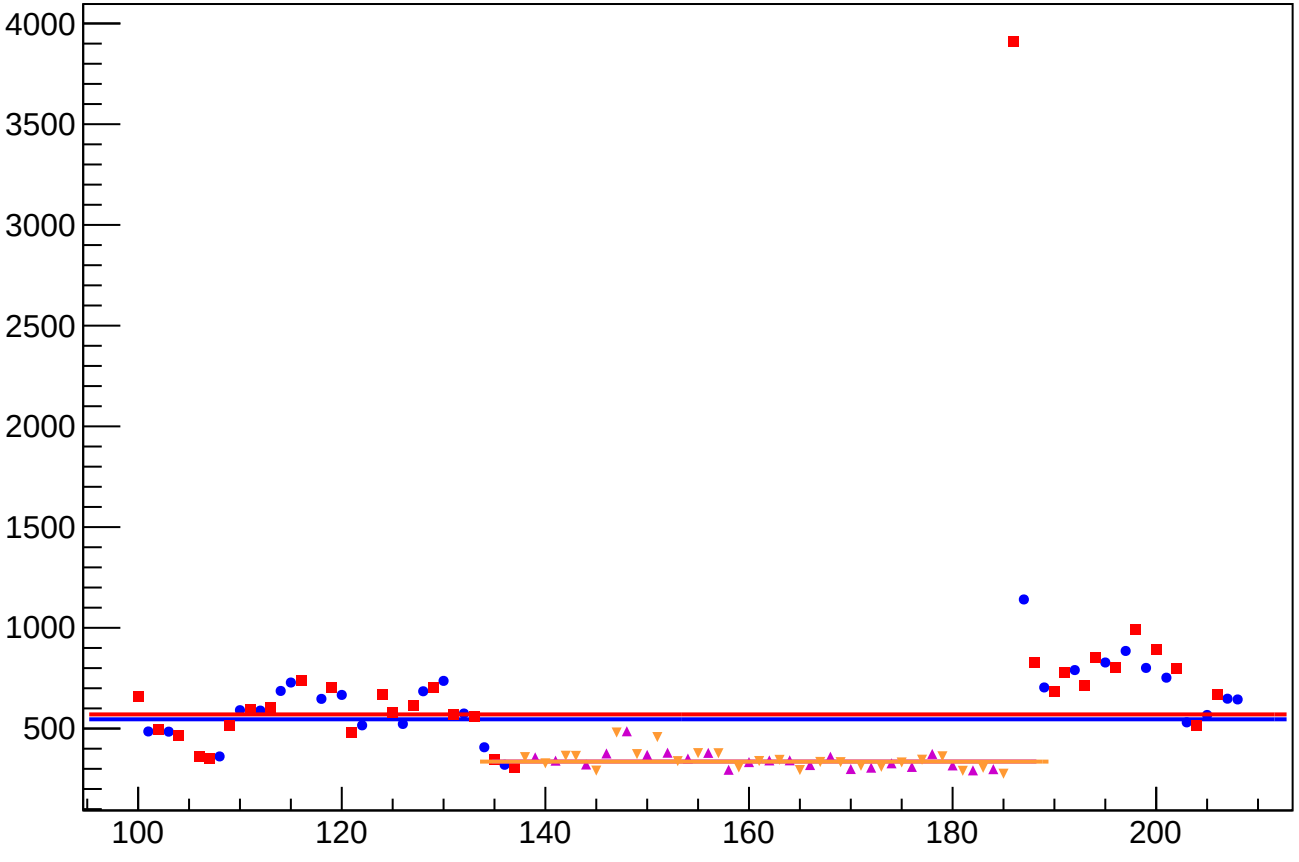
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -152.430+/-67.888 χ^2/NDF: 61.2/51

All: -88.523+/-48.710 χ^2/NDF: 123.4/105

- sign -20.713+/-69.930 χ^2/NDF: 60.4/53

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 545.861+/-0.102 χ^2/NDF: 2583173.3/26

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 570.190+/-0.105 χ^2/NDF: 3286091.9/30

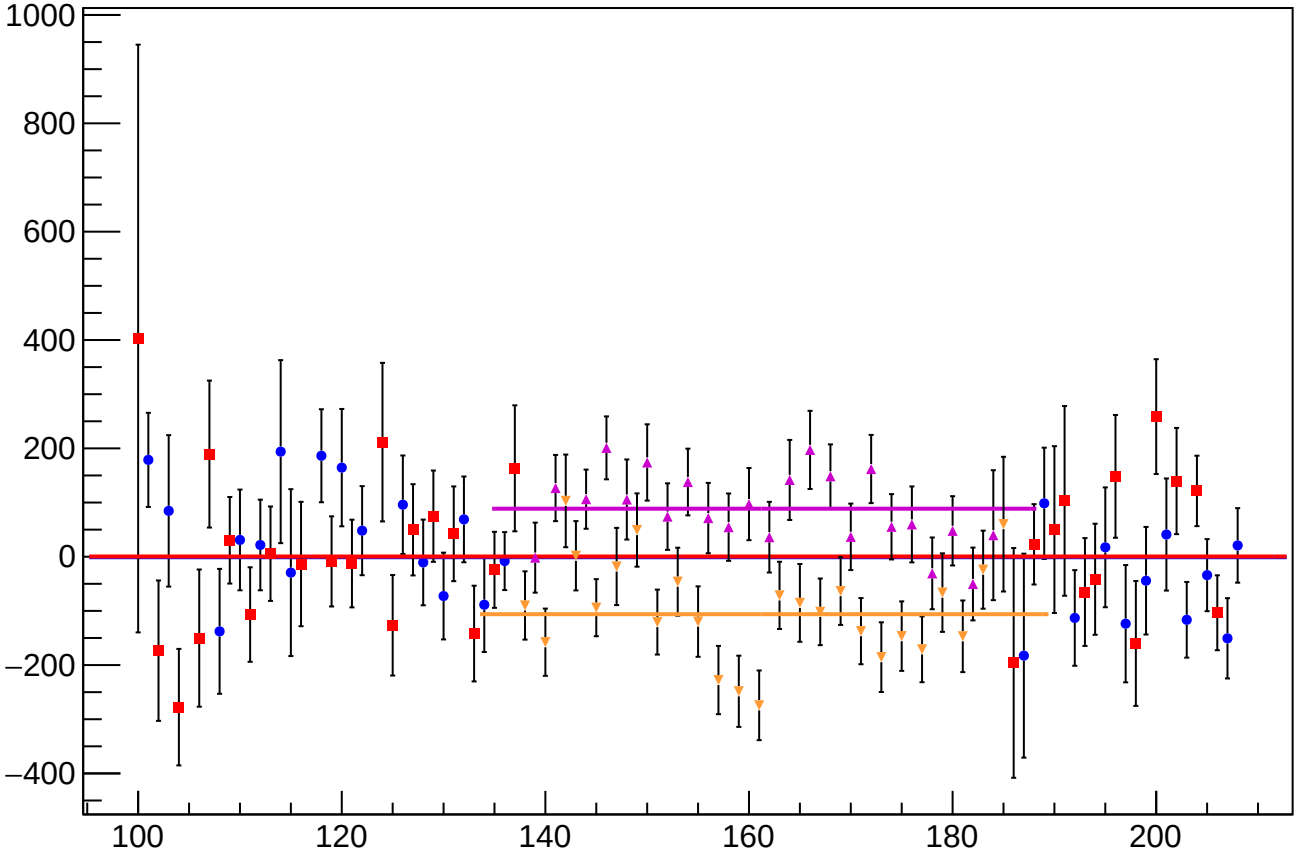
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 382.697+/-0.048 χ^2/NDF: 6430932.4/51

All: 385.196+/-0.034 χ^2/NDF: 13977752.6/10

- sign 387.848+/-0.049 χ^2/NDF: 7541232.9/53

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: -0.917+/-16.955 χ^2/NDF: 31.1/26

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

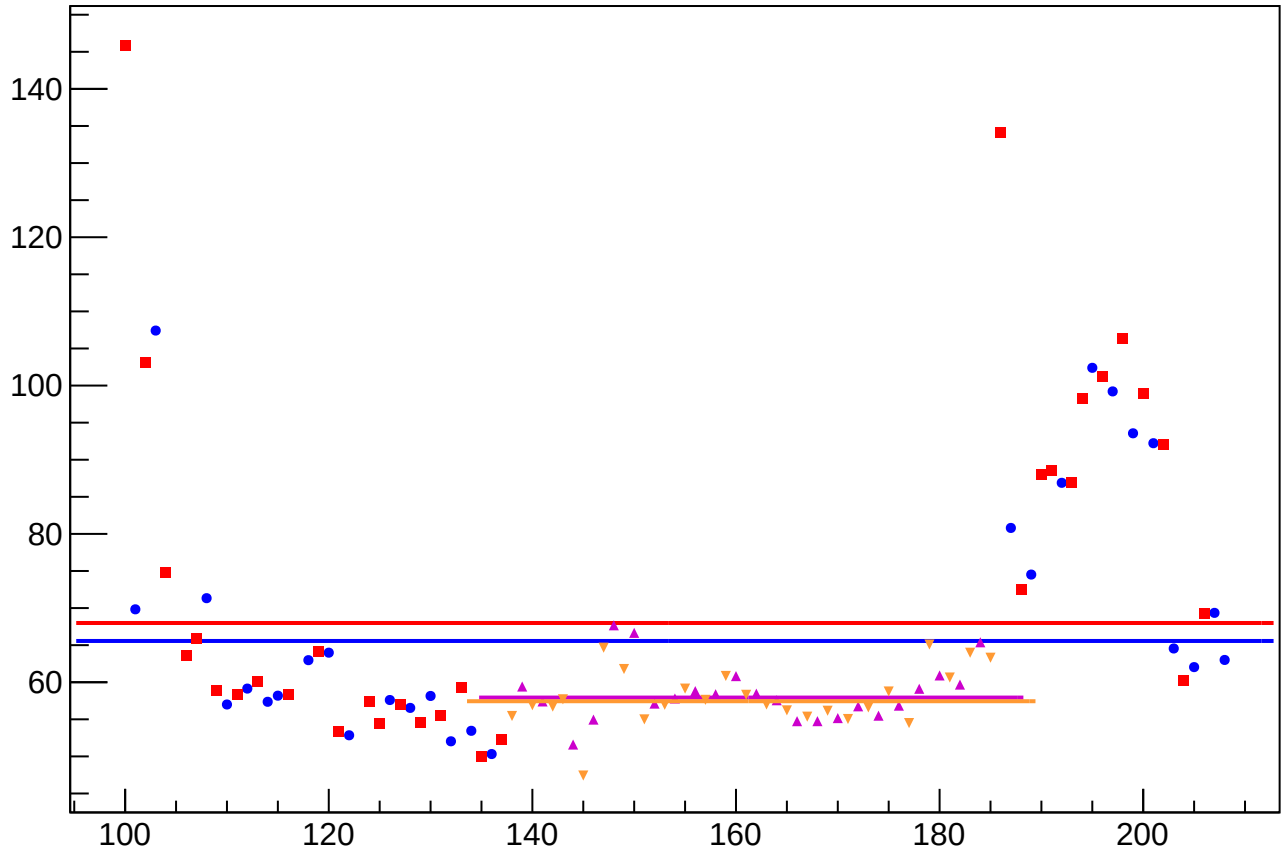
Right Out: 0.403+/-17.390 χ^2/NDF: 43.4/30

Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -66.822+/-10.361 χ^2/NDF: 95.9/51

All: -7.733+/-7.442 χ^2/NDF: 246.4/105

- sign 55.245+/-10.696 χ^2/NDF: 83.3/53



Right In: 65.564+/-0.012 χ^2/NDF: 1461192.7/26

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

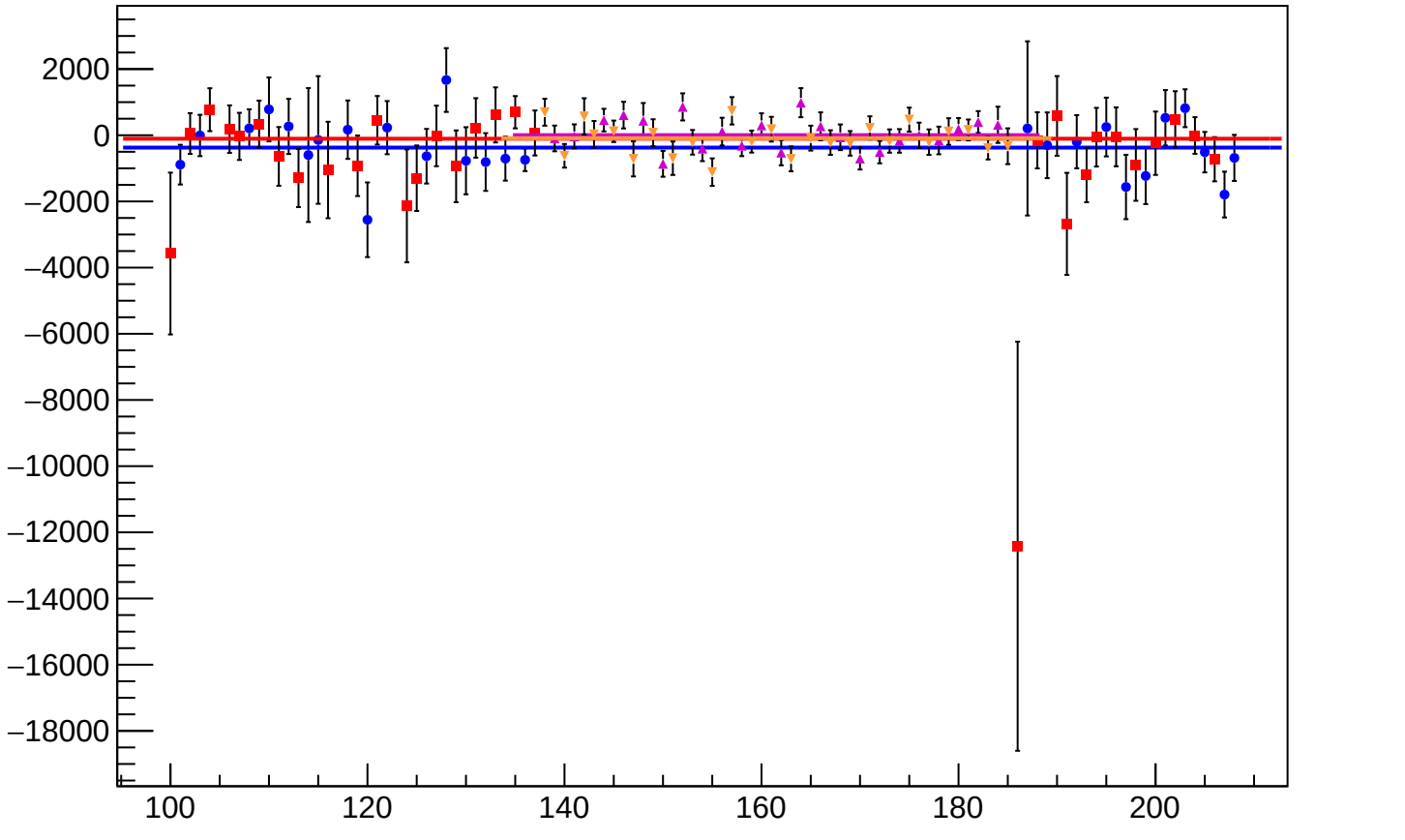
Right Out: 67.988+/-0.012 χ^2/NDF: 1939576.7/30

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.474+/-0.007 χ^2/NDF: 1923473.6/51

All: 61.085+/-0.005 χ^2/NDF: 4429044.4/105

- sign 61.737+/-0.008 χ^2/NDF: 2491185.1/53



Right In: -373.351+/-143.791 χ^2/NDF: 28.3/26

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -104.831+/-149.007 χ^2/NDF: 26.4/30

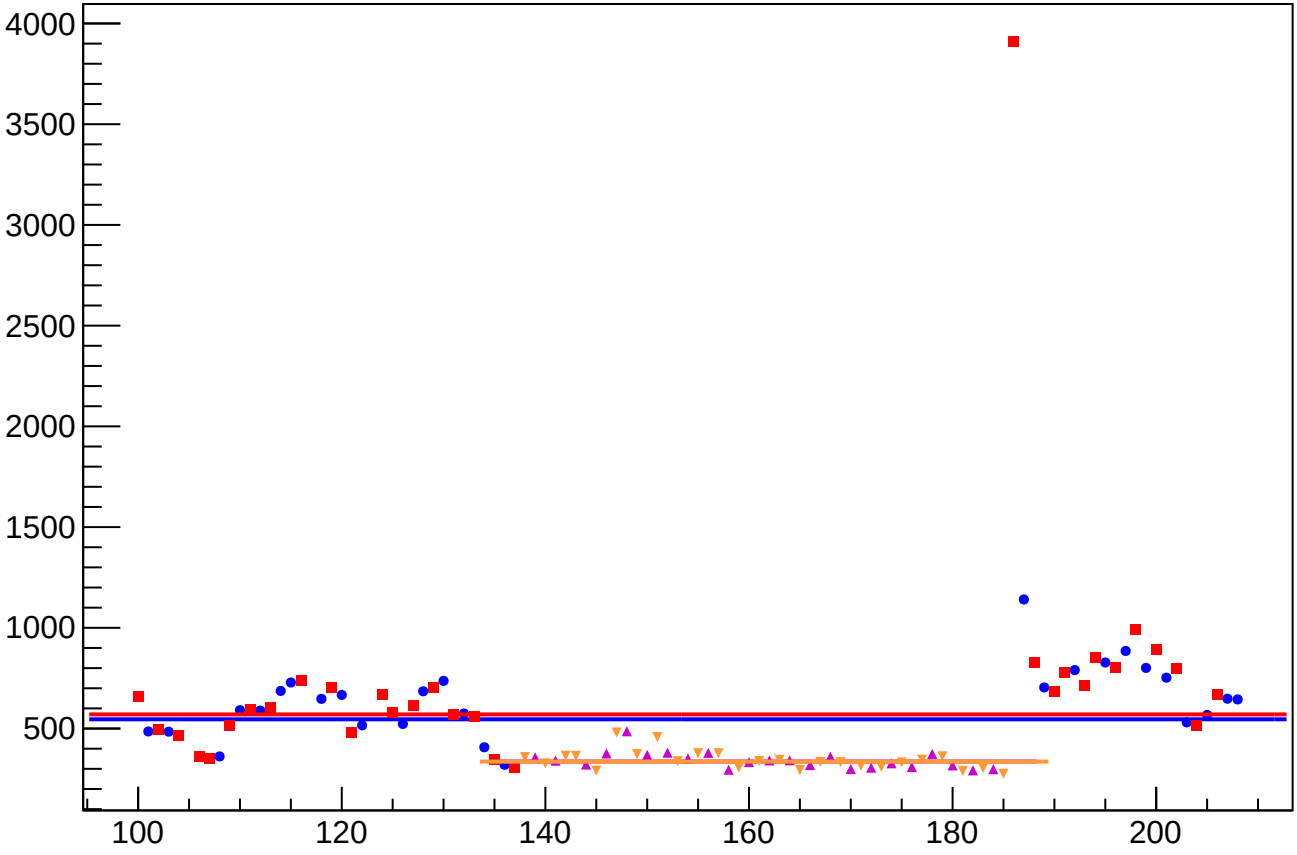
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -152.430+/-67.888 χ^2/NDF: 61.2/51

All: -88.523+/-48.710 χ^2/NDF: 123.4/105

- sign -20.713+/-69.930 χ^2/NDF: 60.4/53

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 545.861+/-0.102 χ^2/NDF: 2583173.3/26

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 570.190+/-0.105 χ^2/NDF: 3286091.9/30

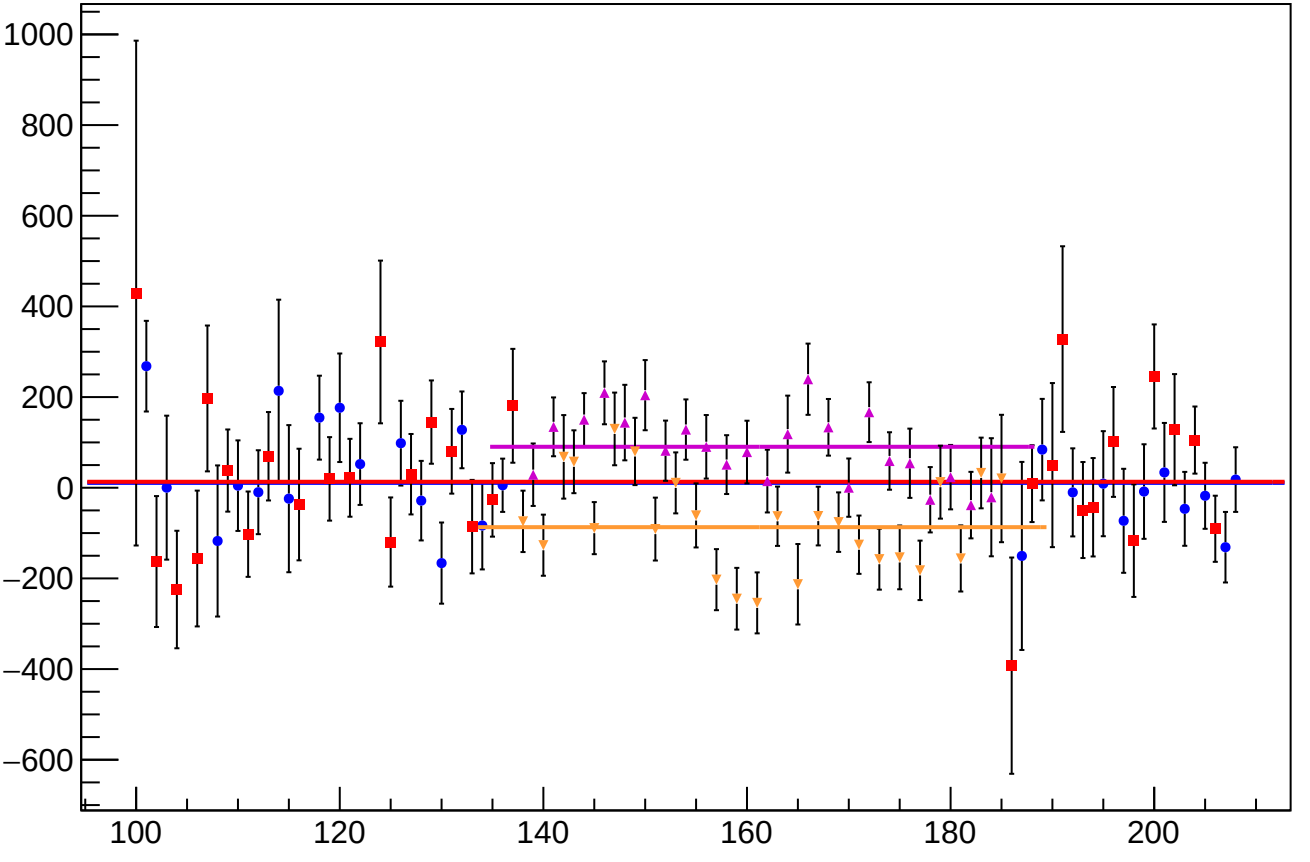
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 382.697+/-0.048 χ^2/NDF: 6430932.4/51

All: 385.196+/-0.034 χ^2/NDF: 13977752.6/10

- sign 387.848+/-0.049 χ^2/NDF: 7541232.9/53

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 10.747+/-18.550 χ^2/NDF: 26.4/26

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 13.190+/-19.287 χ^2/NDF: 36.5/30

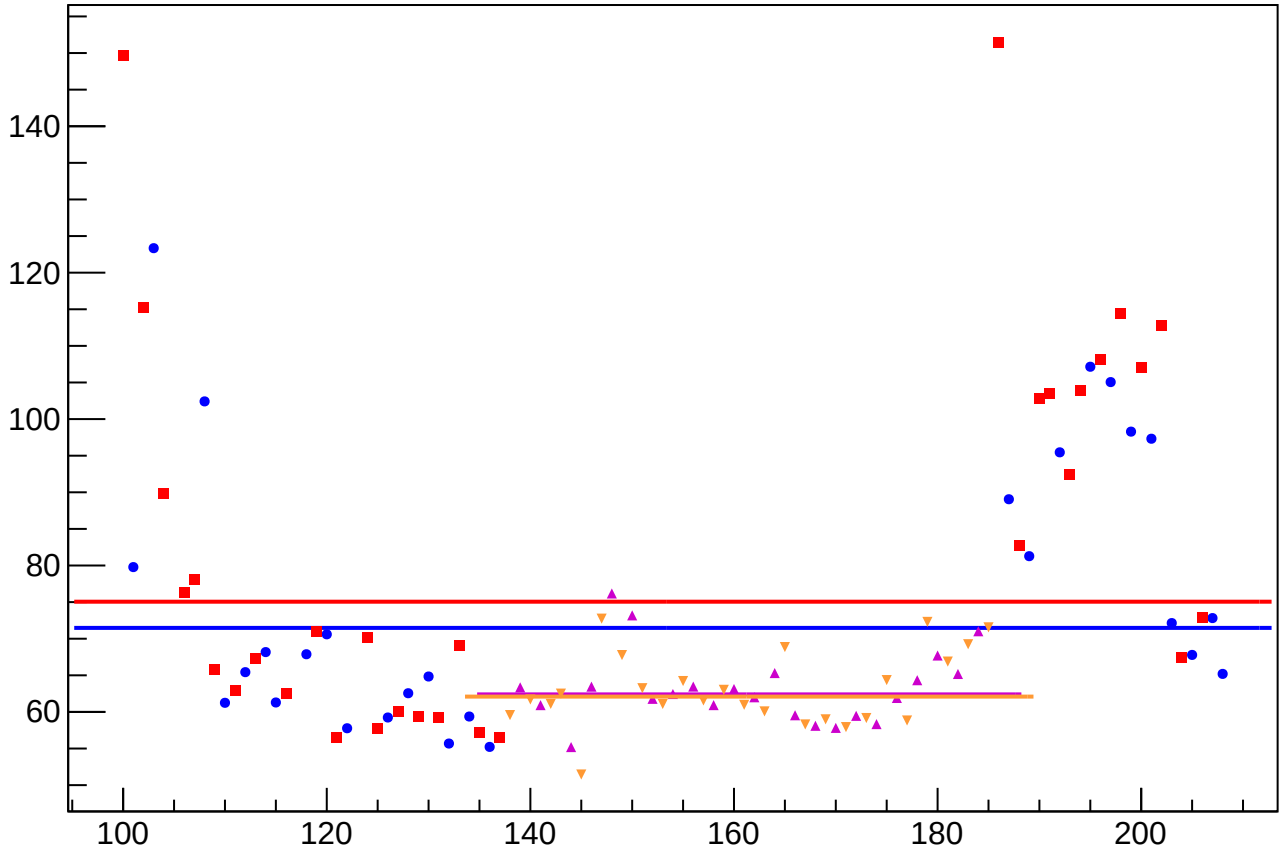
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -50.939+/-11.263 χ^2/NDF: 92.7/51

All: 3.583+/-8.104 χ^2/NDF: 213.0/105

- sign 62.113+/-11.669 χ^2/NDF: 71.7/53

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.478+/-0.013 χ^2/NDF: 1481311.7/26

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

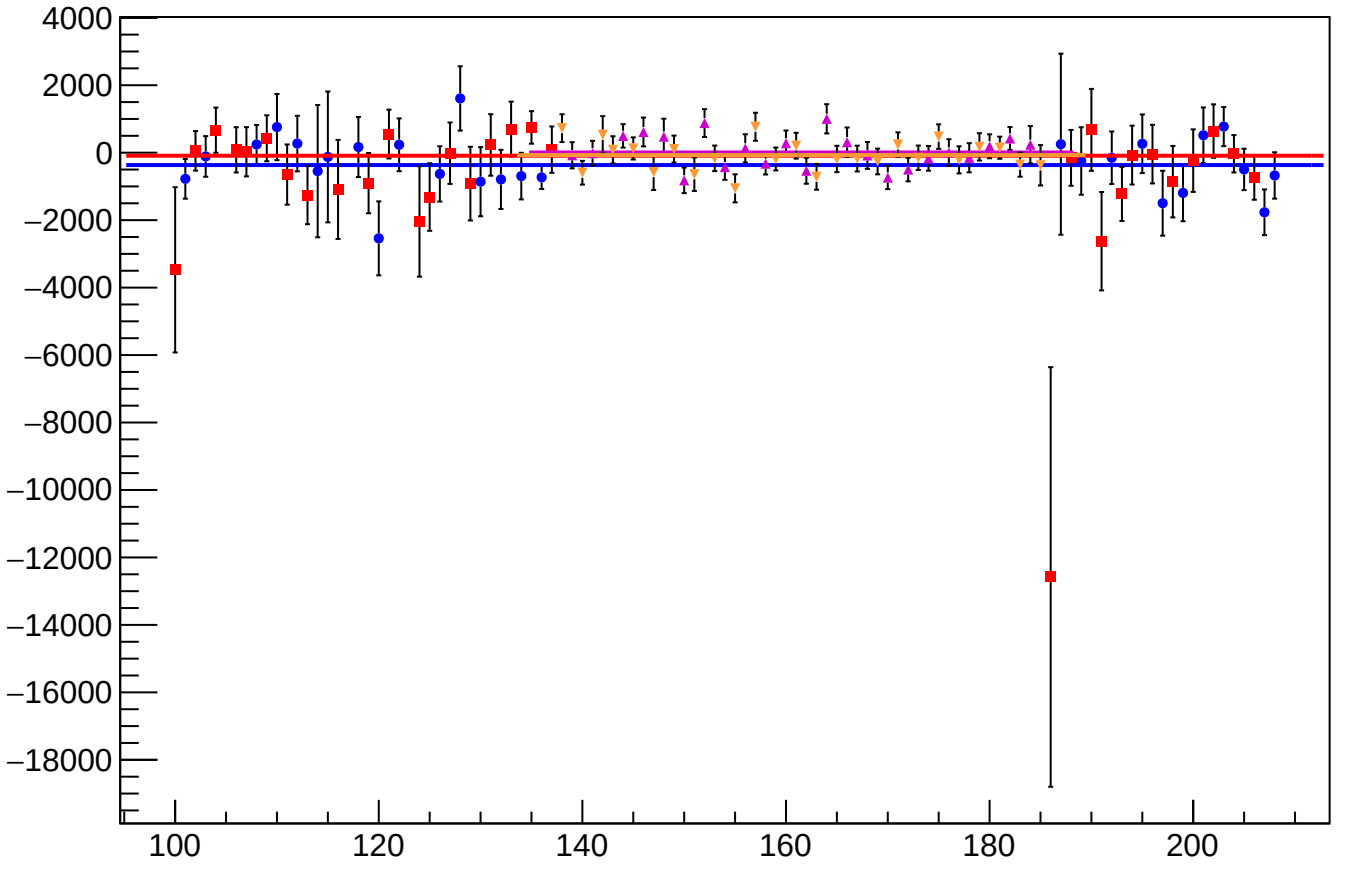
Right Out: 75.057+/-0.014 χ^2/NDF: 2007873.3/30

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 65.553+/-0.008 χ^2/NDF: 2037859.6/51

All: 66.265+/-0.006 χ^2/NDF: 4797525.8/105

- sign 67.030+/-0.008 χ^2/NDF: 2743074.1/53



Right In: -366.875+/-143.192 χ^2/NDF: 27.4/26

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -90.027+/-146.833 χ^2/NDF: 27.7/30

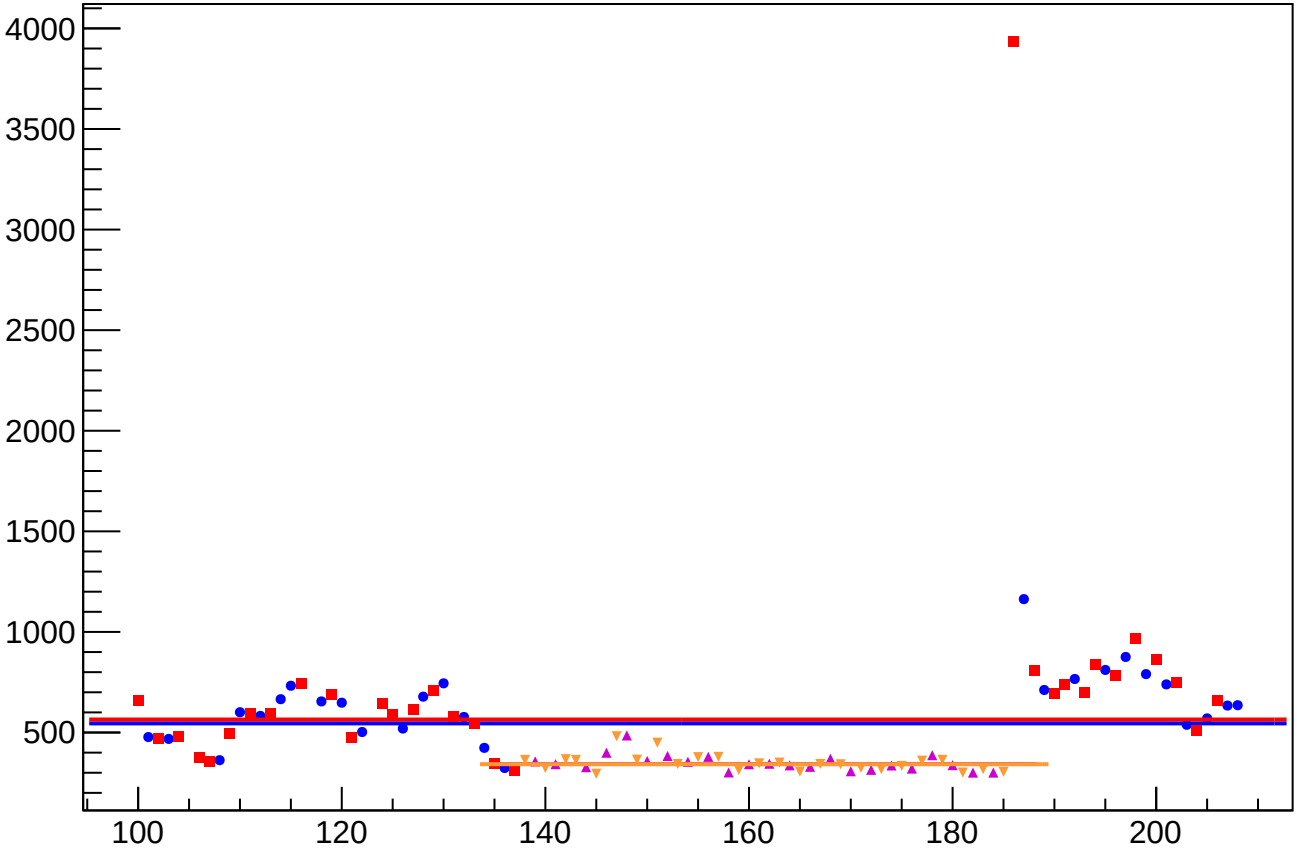
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -139.488+/-68.767 χ^2/NDF: 59.2/51

All: -79.607+/-49.316 χ^2/NDF: 122.8/105

- sign -16.200+/-70.763 χ^2/NDF: 62.0/53

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 545.334+/-0.101 χ^2/NDF: 2454999.0/26

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 564.656+/-0.104 χ^2/NDF: 3128593.2/30

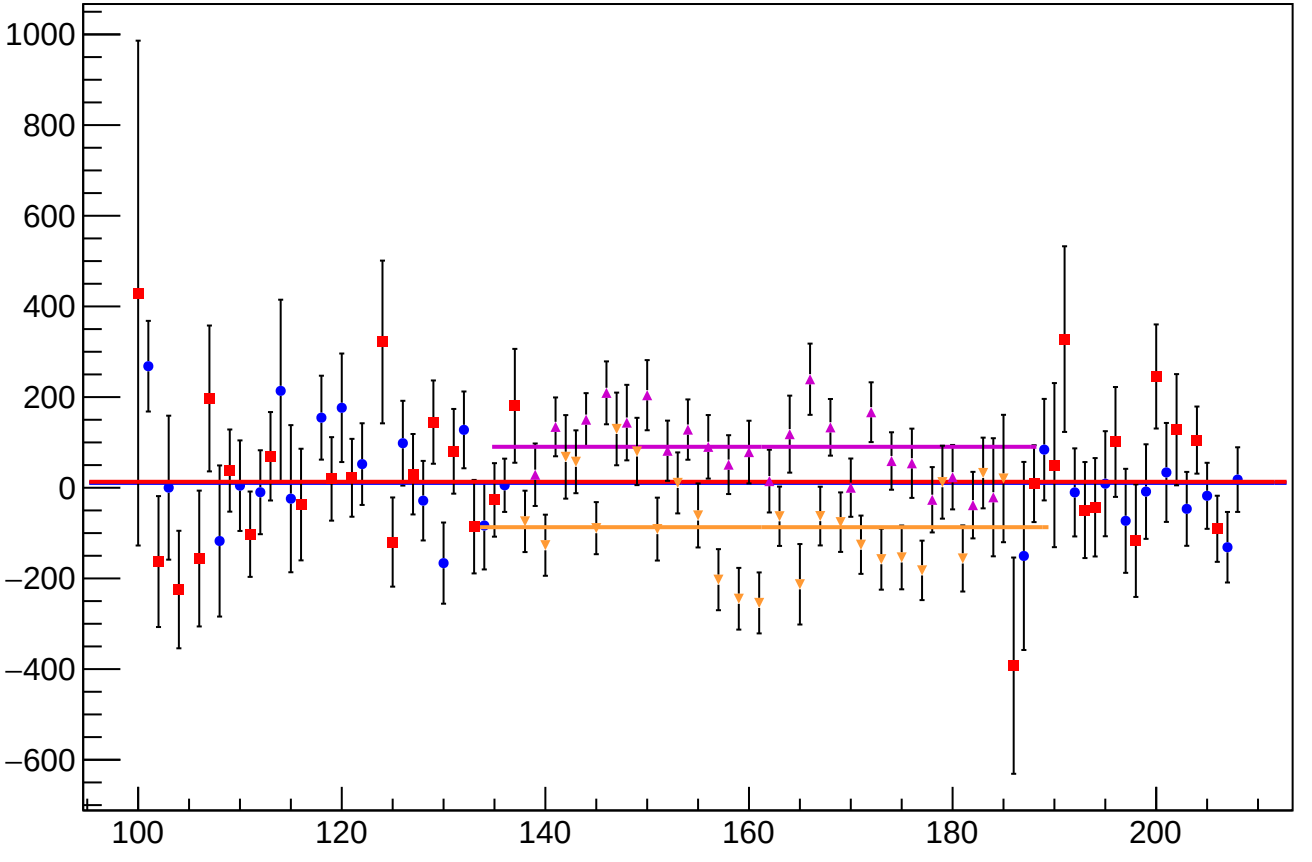
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 389.282+/-0.049 χ^2/NDF: 5976645.4/51

All: 391.898+/-0.035 χ^2/NDF: 12975580.3/10

- sign 394.668+/-0.050 χ^2/NDF: 6992975.7/53

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 10.747+/-18.550 χ^2/NDF: 26.4/26

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 13.191+/-19.287 χ^2/NDF: 36.5/30

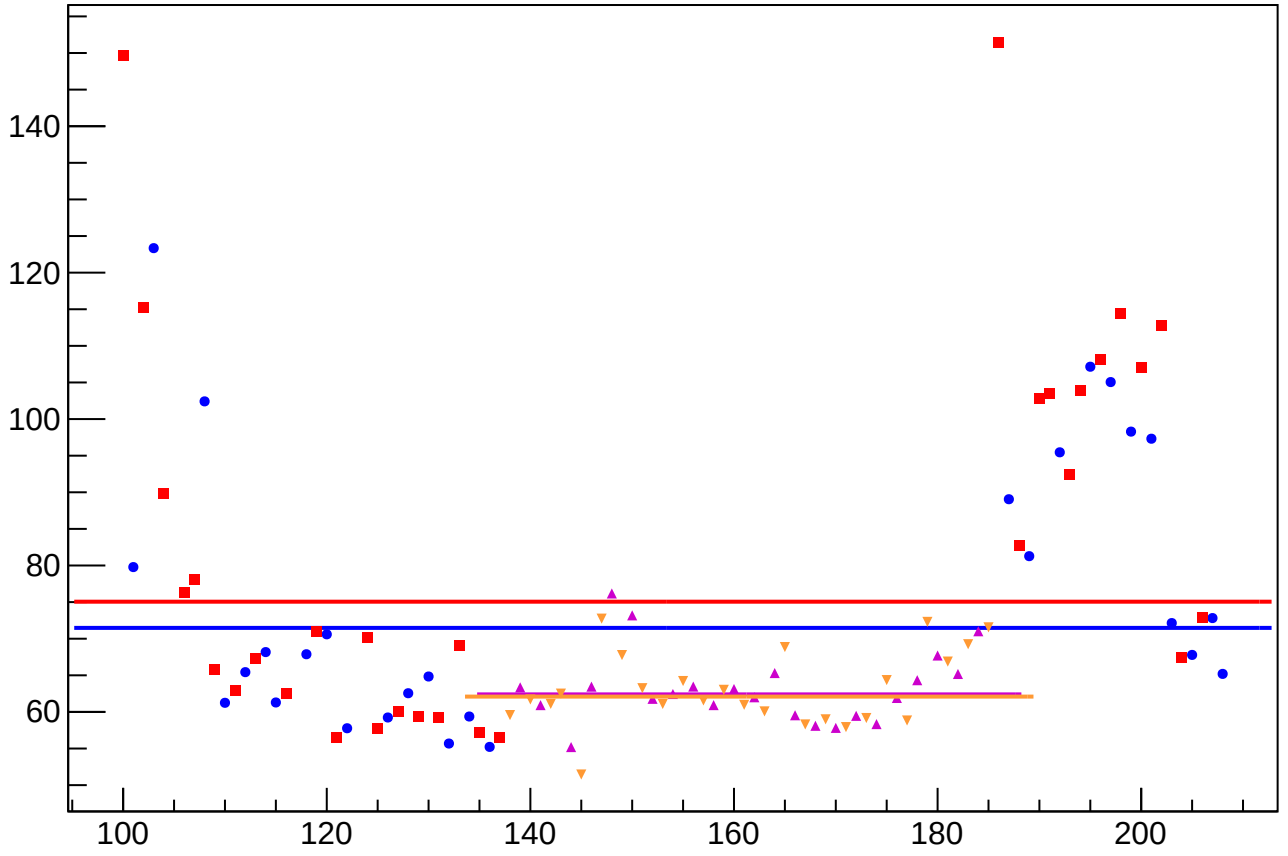
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -50.939+/-11.263 χ^2/NDF: 92.7/51

All: 3.583+/-8.104 χ^2/NDF: 213.0/105

- sign 62.113+/-11.669 χ^2/NDF: 71.7/53

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.478+/-0.013 χ^2/NDF: 1481332.8/26

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

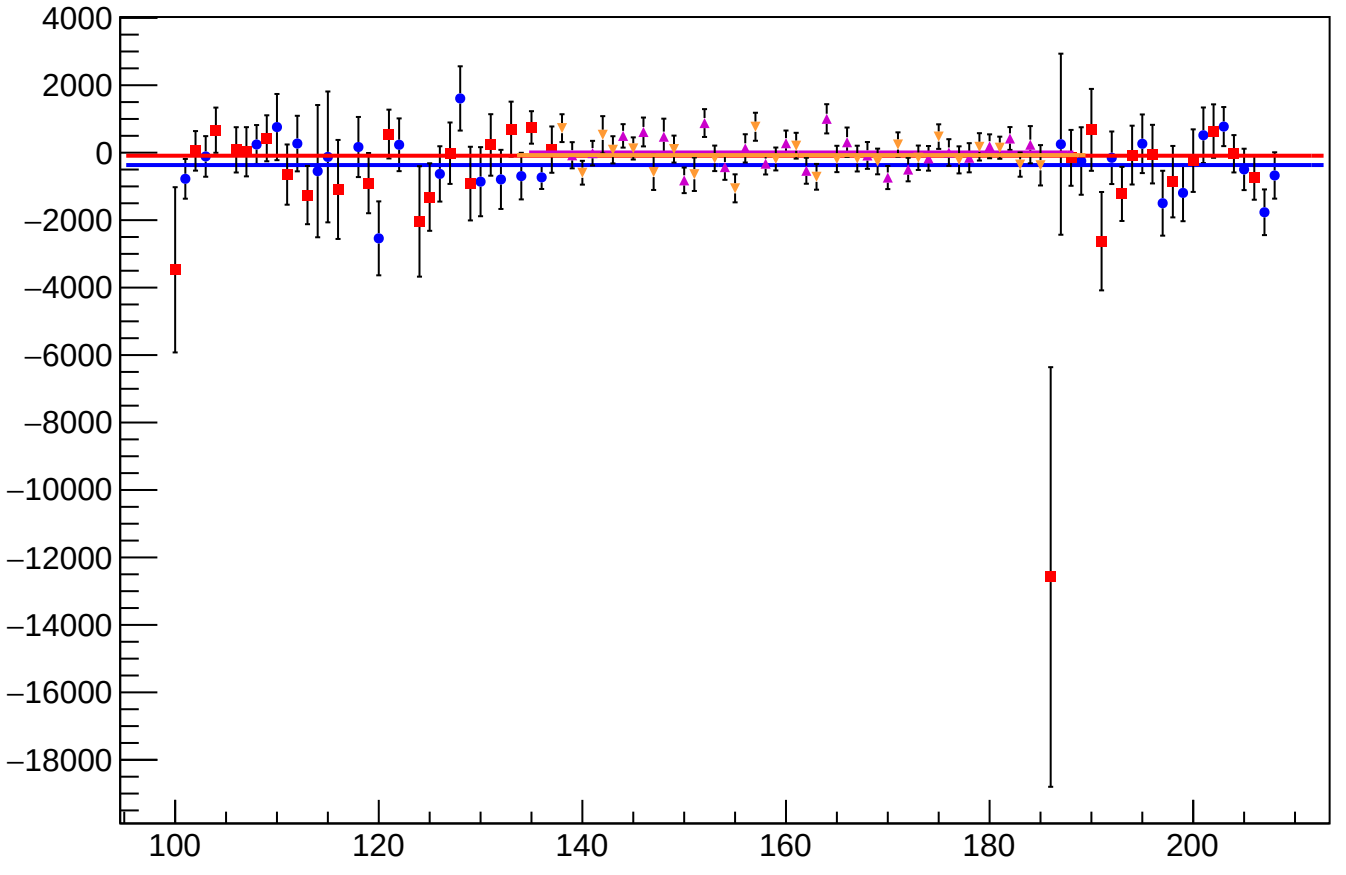
Right Out: 75.057+/-0.014 χ^2/NDF: 2007875.5/30

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 65.553+/-0.008 χ^2/NDF: 2037881.1/51

All: 66.265+/-0.006 χ^2/NDF: 4797546.5/105

- sign 67.030+/-0.008 χ^2/NDF: 2743072.7/53



Right In: -366.875+/-143.191 χ^2/NDF: 27.4/26

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -90.027+/-146.833 χ^2/NDF: 27.7/30

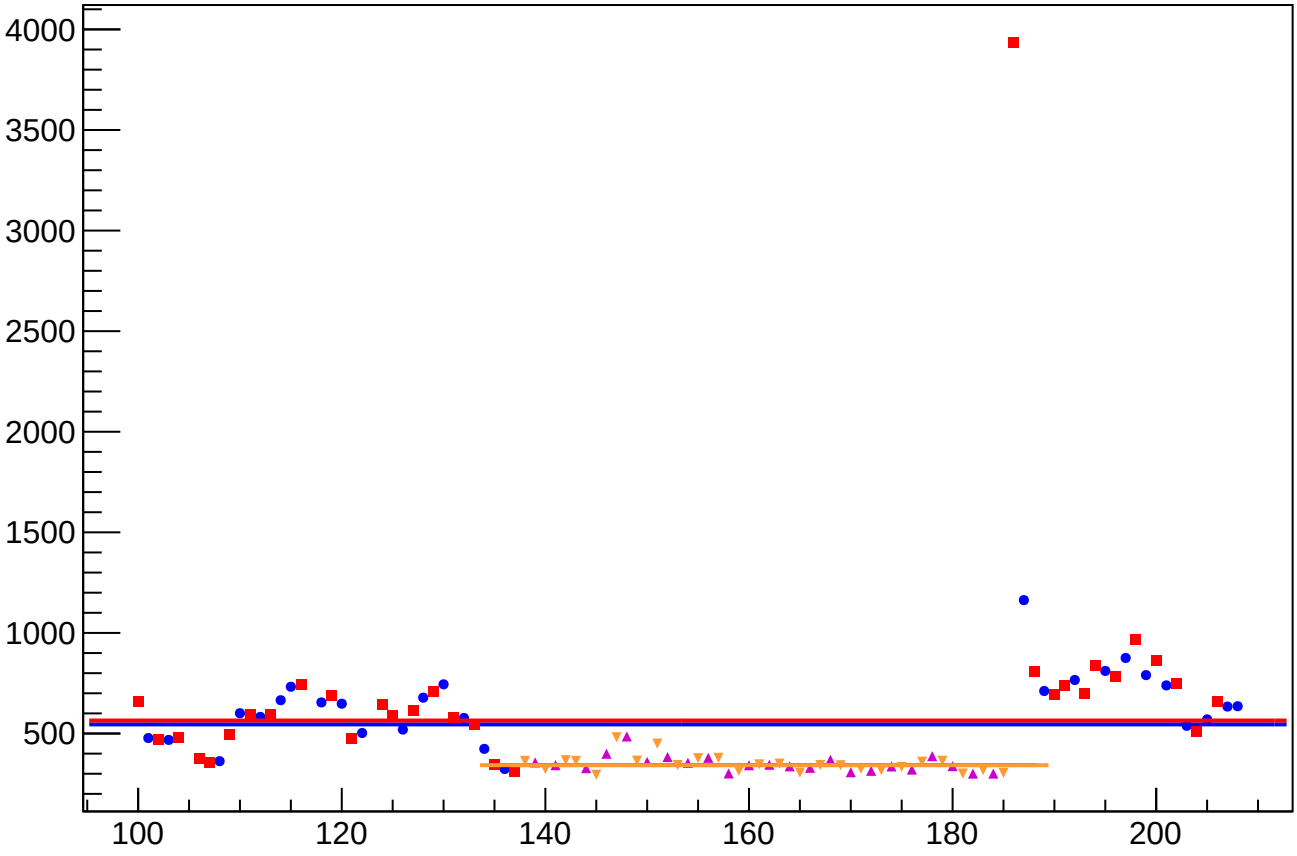
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -139.488+/-68.767 χ^2/NDF: 59.2/51

All: -79.607+/-49.316 χ^2/NDF: 122.8/105

- sign -16.199+/-70.763 χ^2/NDF: 62.0/53

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 545.333+/-0.101 χ^2/NDF: 2455002.5/26

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 564.655+/-0.104 χ^2/NDF: 3128598.6/30

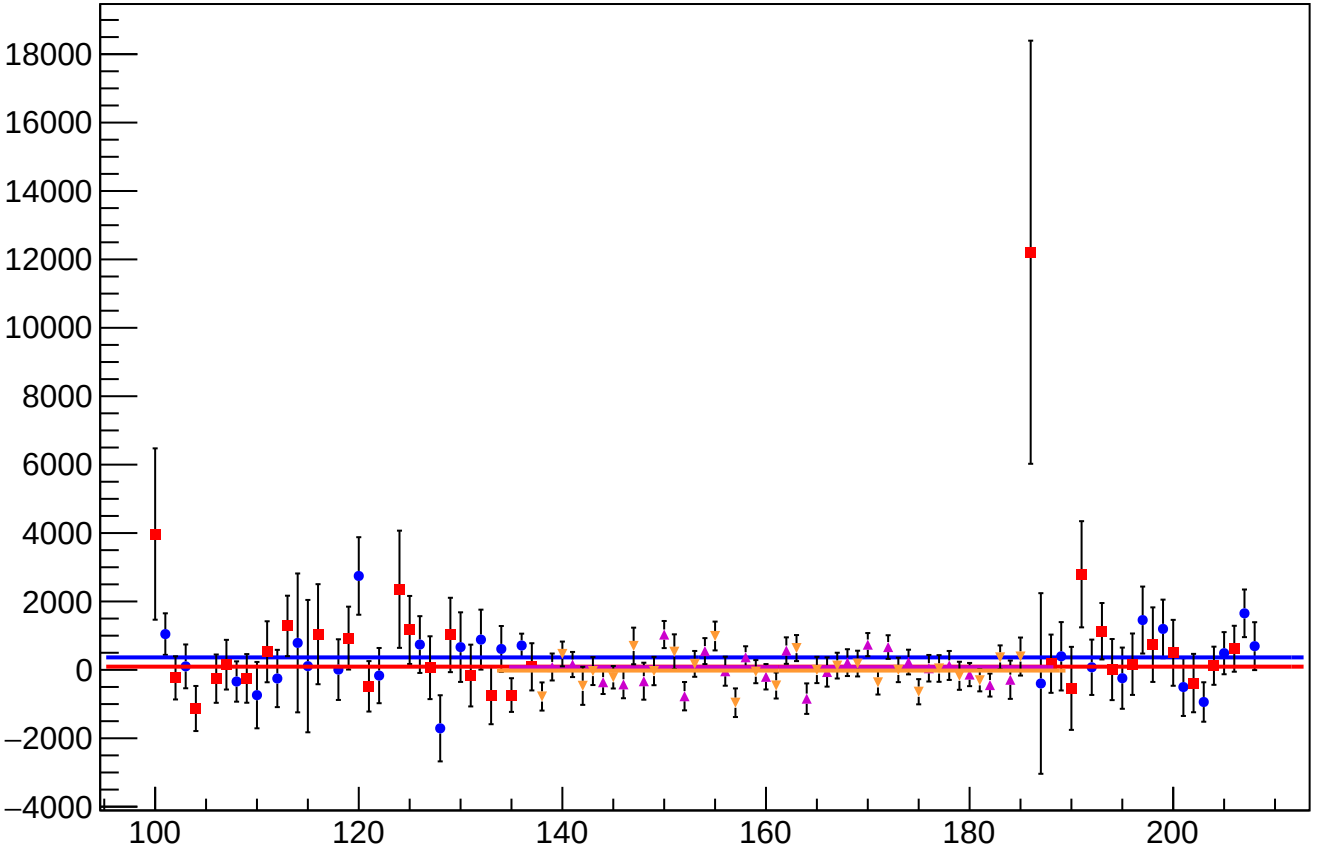
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 389.282+/-0.049 χ^2/NDF: 5976637.4/51

All: 391.898+/-0.035 χ^2/NDF: 12975557.4/10

- sign 394.668+/-0.050 χ^2/NDF: 6992960.6/53

asym_sam_13_57_dd_mean vs Slug



Right In: 364.897+/-145.179 χ^2/NDF: 28.9/26

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 93.725+/-150.205 χ^2/NDF: 28.3/30

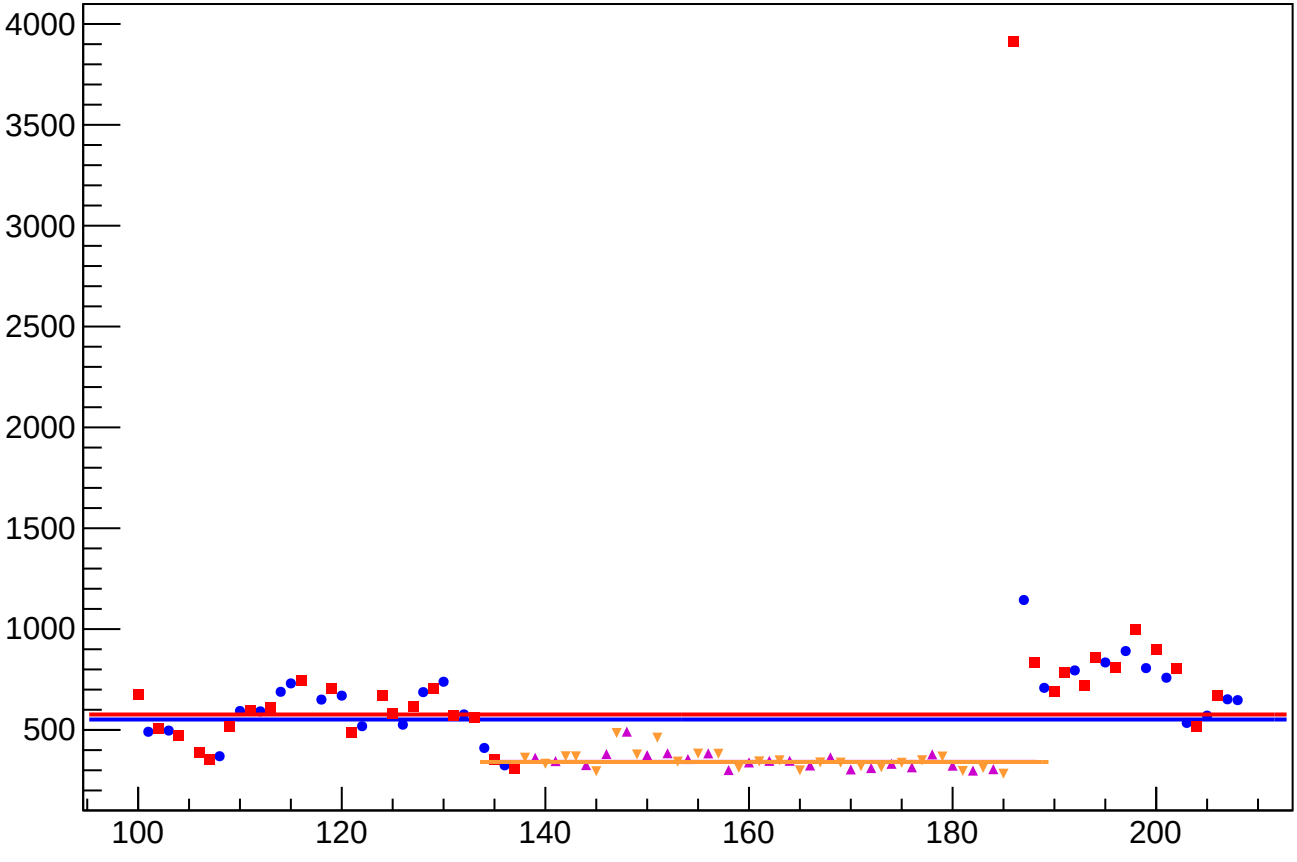
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 66.342+/-68.845 χ^2/NDF: 65.8/51

All: 73.972+/-49.388 χ^2/NDF: 127.0/105

- sign 82.062+/-70.891 χ^2/NDF: 61.2/53

asym_sam_13_57_dd_rms vs Slug



Right In: 551.722+/-0.103 χ^2/NDF: 2524124.8/26

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

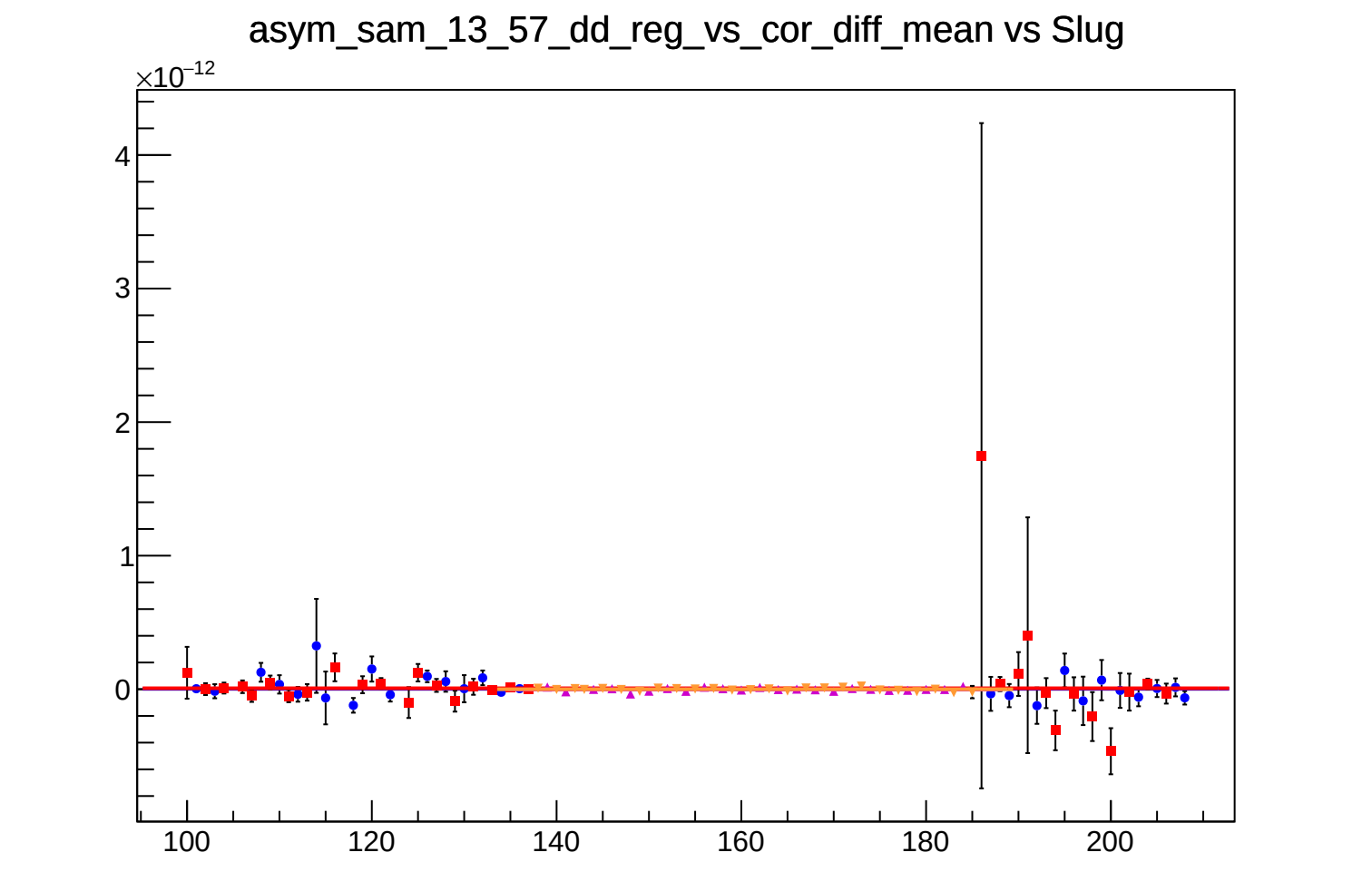
Right Out: 576.600+/-0.106 χ^2/NDF: 3205160.3/30

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 388.540+/-0.049 χ^2/NDF: 6294816.3/51

All: 391.172+/-0.035 χ^2/NDF: 13707192.2/10

- sign 393.963+/-0.050 χ^2/NDF: 7406352.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

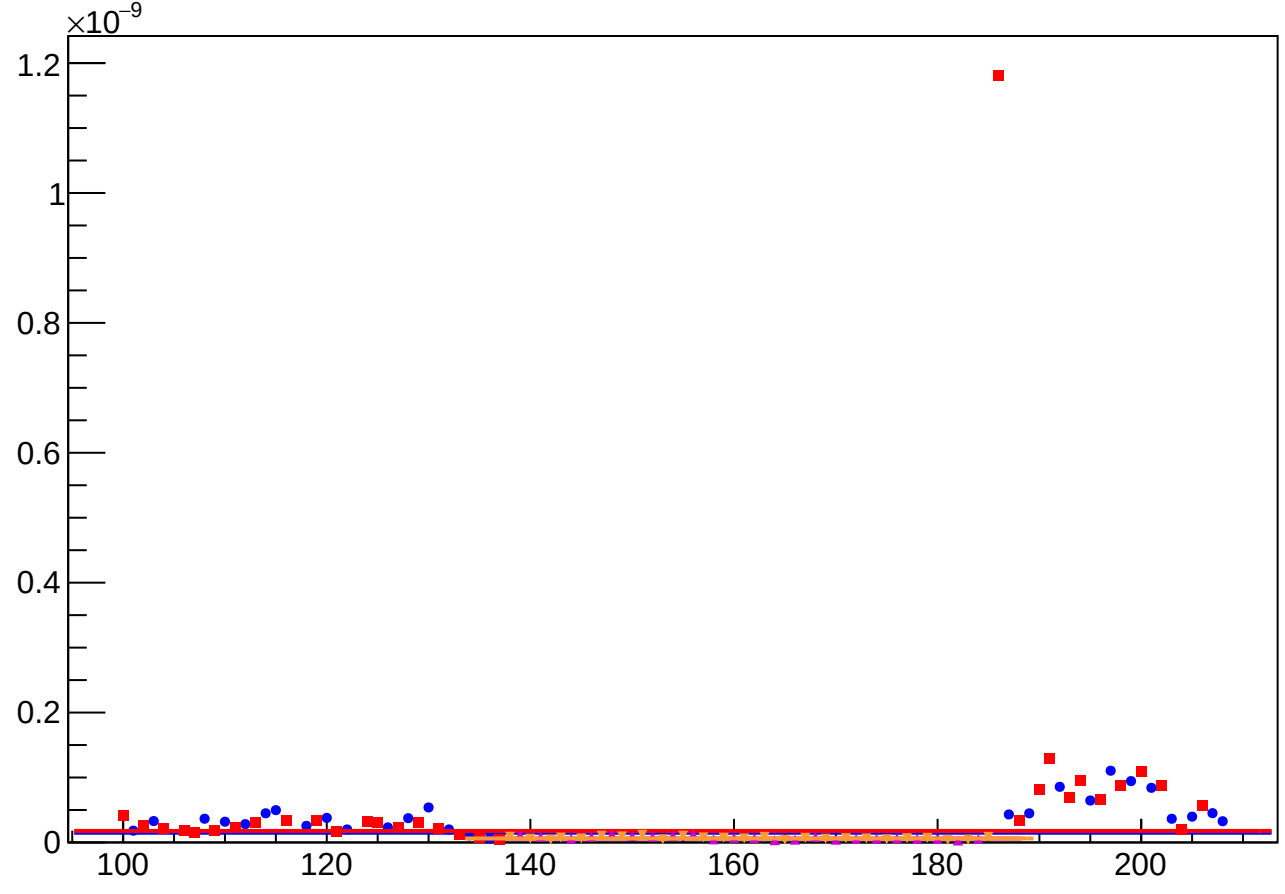
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/30

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.2/51

All: -0.000+/-0.000 χ^2/NDF: 91.7/105

- sign -0.000+/-0.000 χ^2/NDF: 45.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 7139807.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

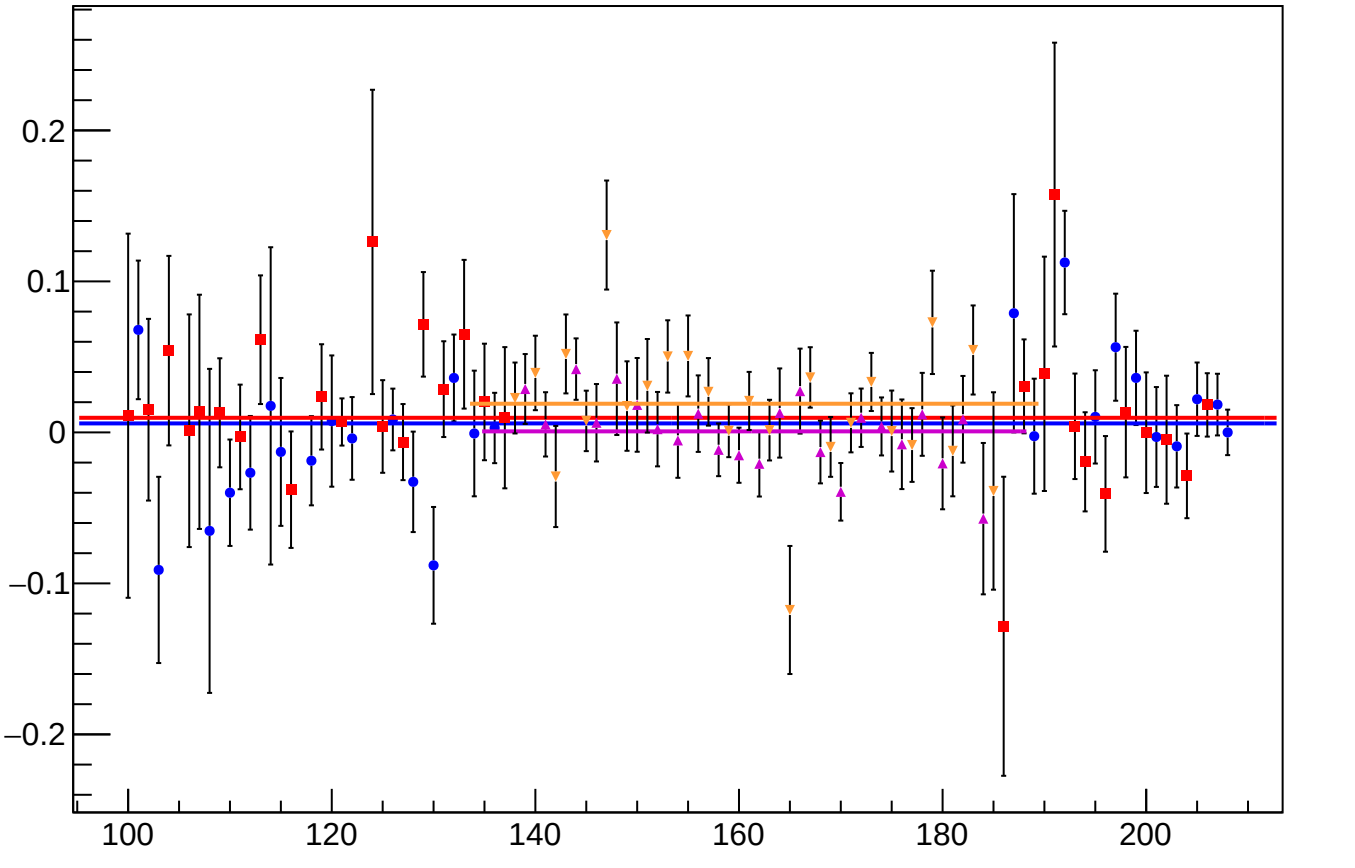
Right Out: 0.000+/-0.000 χ^2/NDF: 6173500.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

\+ sign 0.000+/-0.000 χ^2/NDF: 10656398.5/51

All: 0.000+/-0.000 χ^2/NDF: 21807889.2/105

\- sign 0.000+/-0.000 χ^2/NDF: 11150919.8/53



Right In: 0.006+/-0.006 χ^2/NDF: 31.5/26

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: 0.010+/-0.006 χ^2/NDF: 20.0/30

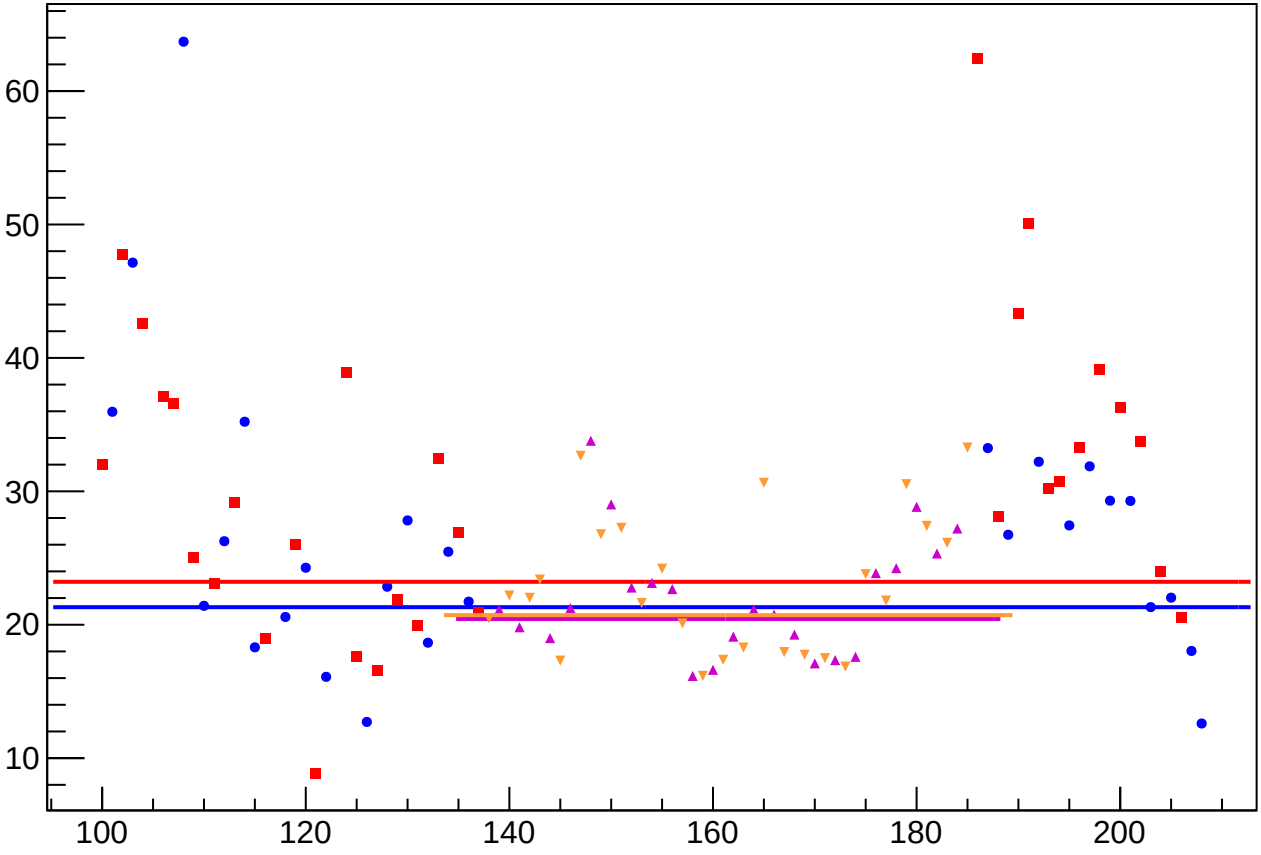
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 75.6/51

All: 0.009+/-0.003 χ^2/NDF: 117.6/105

- sign 0.004+/-0.004 χ^2/NDF: 38.9/53

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.316+/-0.004 χ^2/NDF: 2994923.2/26

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

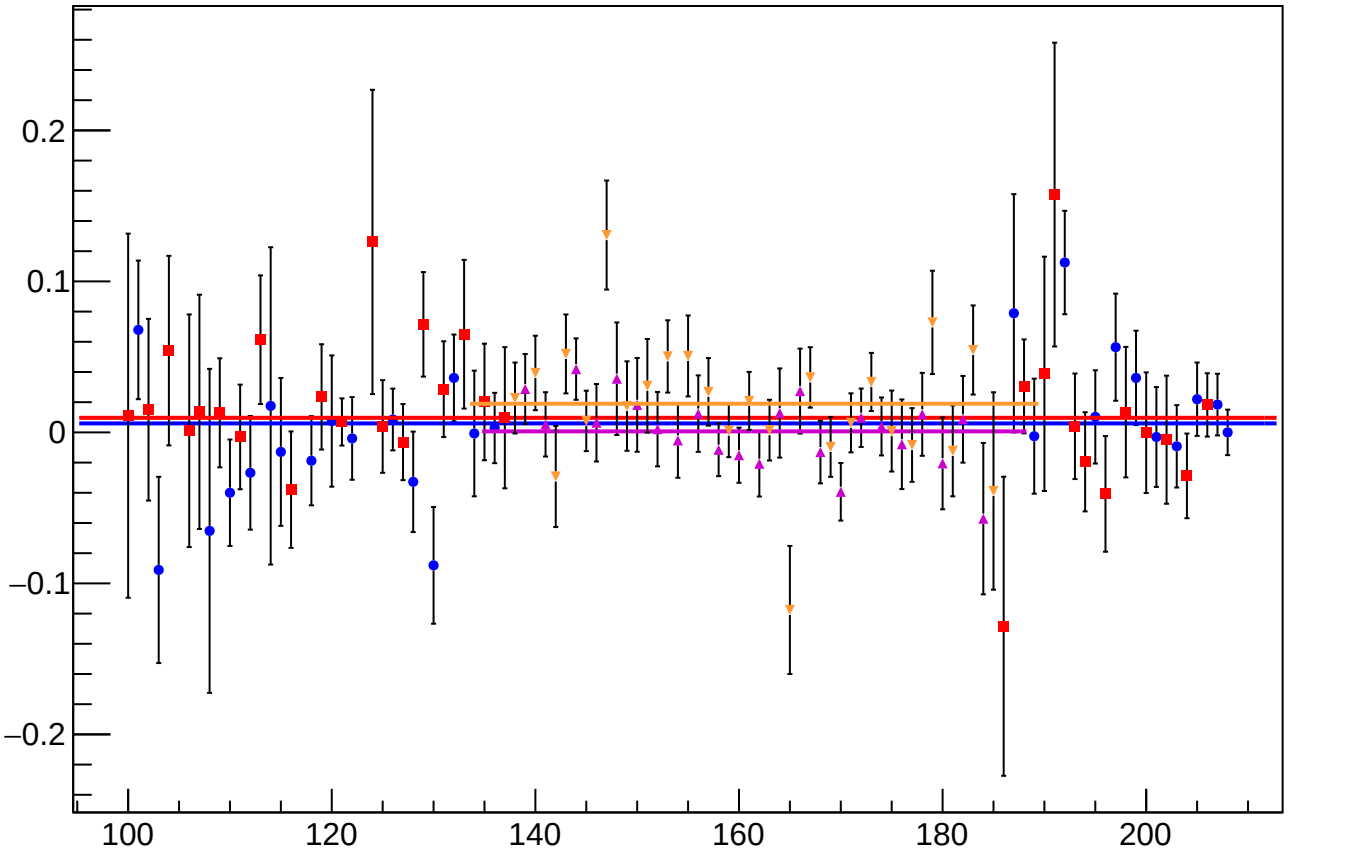
Right Out: 23.218+/-0.005 χ^2/NDF: 4410897.1/30

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.961+/-0.003 χ^2/NDF: 4513538.1/51

All: 21.197+/-0.002 χ^2/NDF: 10349768.1/105

- sign 21.455+/-0.003 χ^2/NDF: 5819687.9/53



Right In: 0.006+/-0.006 χ^2/NDF: 31.5/26

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

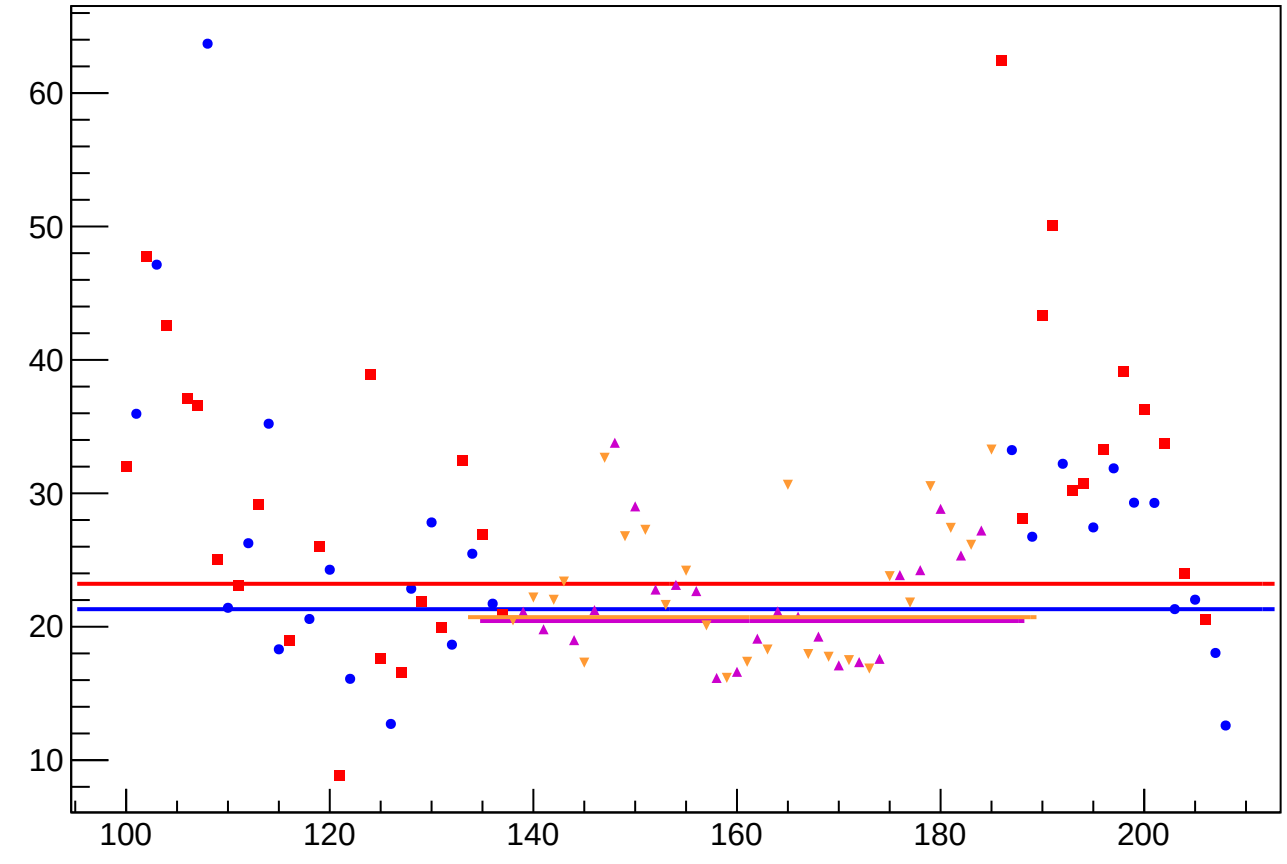
Right Out: 0.010+/-0.006 χ^2/NDF: 20.0/30

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 75.6/51

All: 0.009+/-0.003 χ^2/NDF: 117.6/105

- sign 0.004+/-0.004 χ^2/NDF: 38.9/53



Right In: 21.316+/-0.004 χ^2/NDF: 2994923.2/26

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

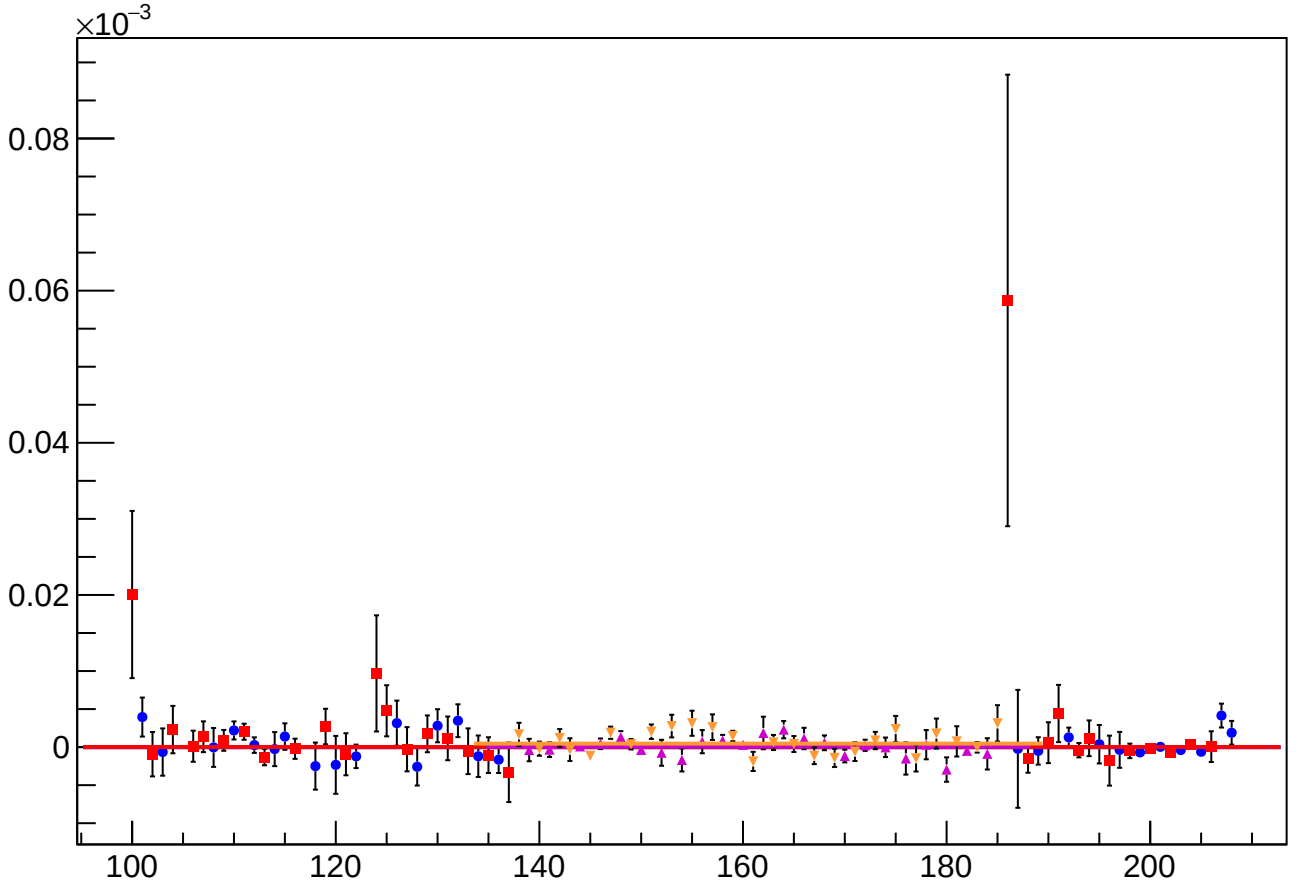
Right Out: 23.218+/-0.005 χ^2/NDF: 4410897.1/30

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.961+/-0.003 χ^2/NDF: 4513538.1/51

All: 21.197+/-0.002 χ^2/NDF: 10349768.1/105

- sign 21.455+/-0.003 χ^2/NDF: 5819687.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

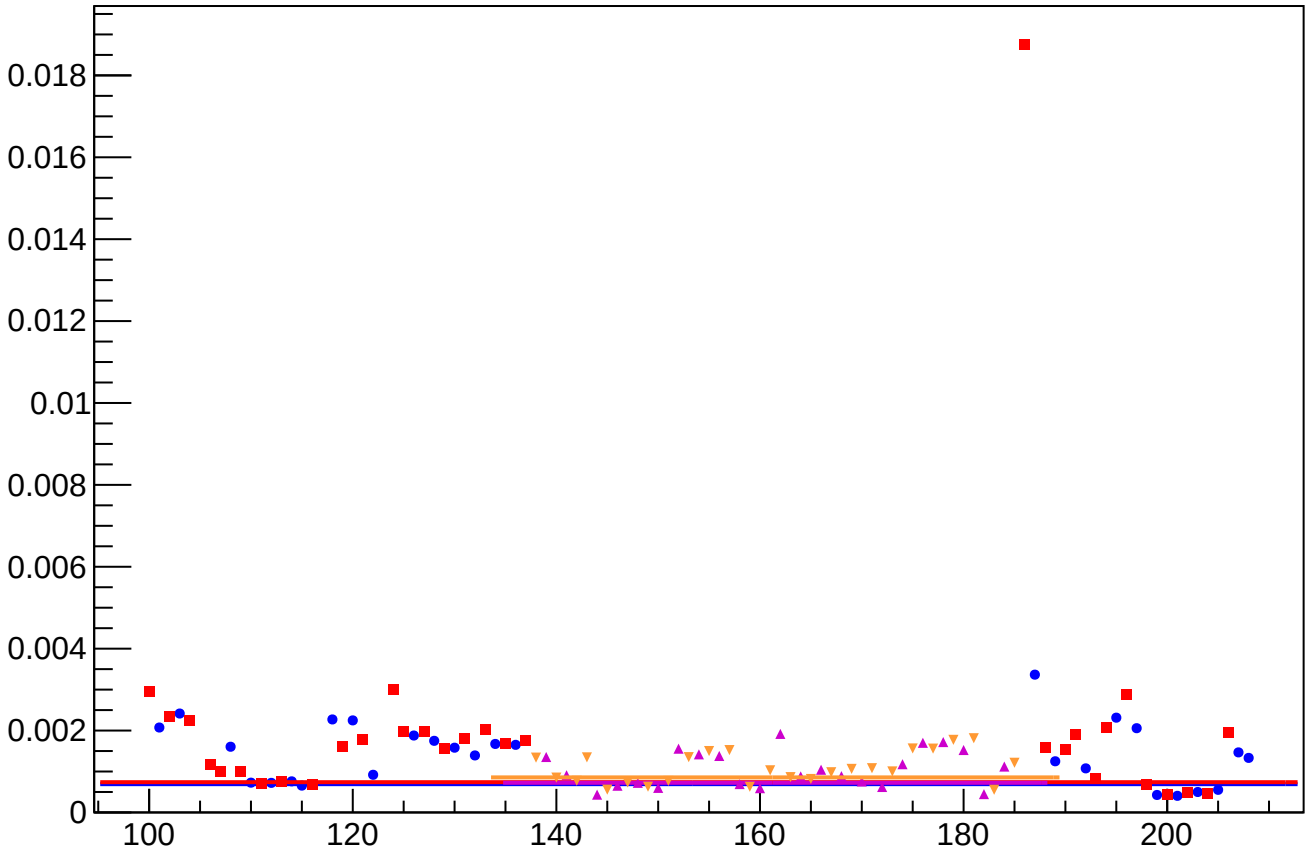
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/30

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.2/51

All: 0.000+/-0.000 χ^2/NDF: 114.4/105

- sign 0.000+/-0.000 χ^2/NDF: 45.4/53



Right In: 0.001+/-0.000 χ^2/NDF: 9180029.8/26

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

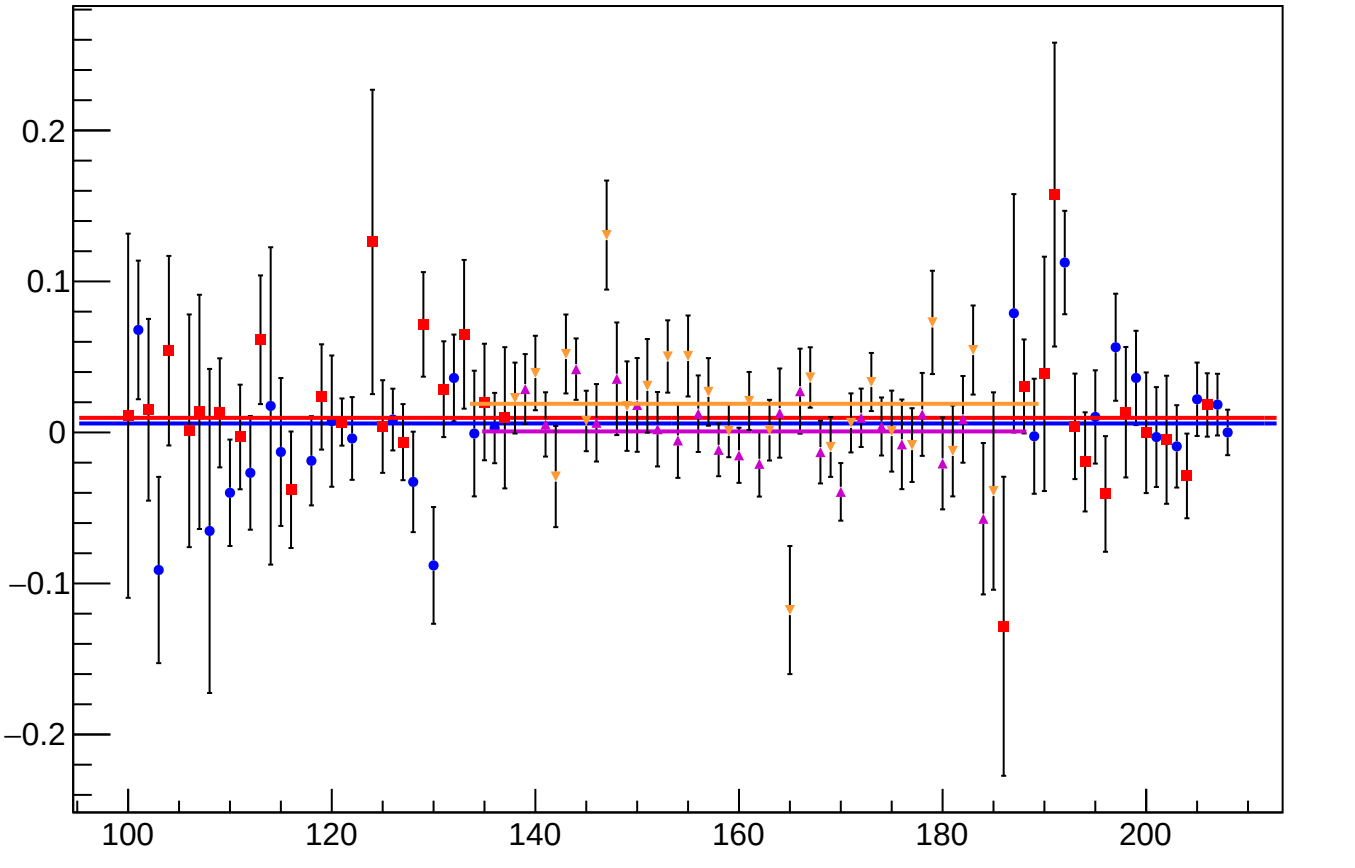
Right Out: 0.001+/-0.000 χ^2/NDF: 9542500.8/30

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 14218681.1/51

All: 0.001+/-0.000 χ^2/NDF: 29659934.3/105

- sign 0.001+/-0.000 χ^2/NDF: 15352138.7/53



Right In: 0.006+/-0.006 χ^2/NDF: 31.5/26

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

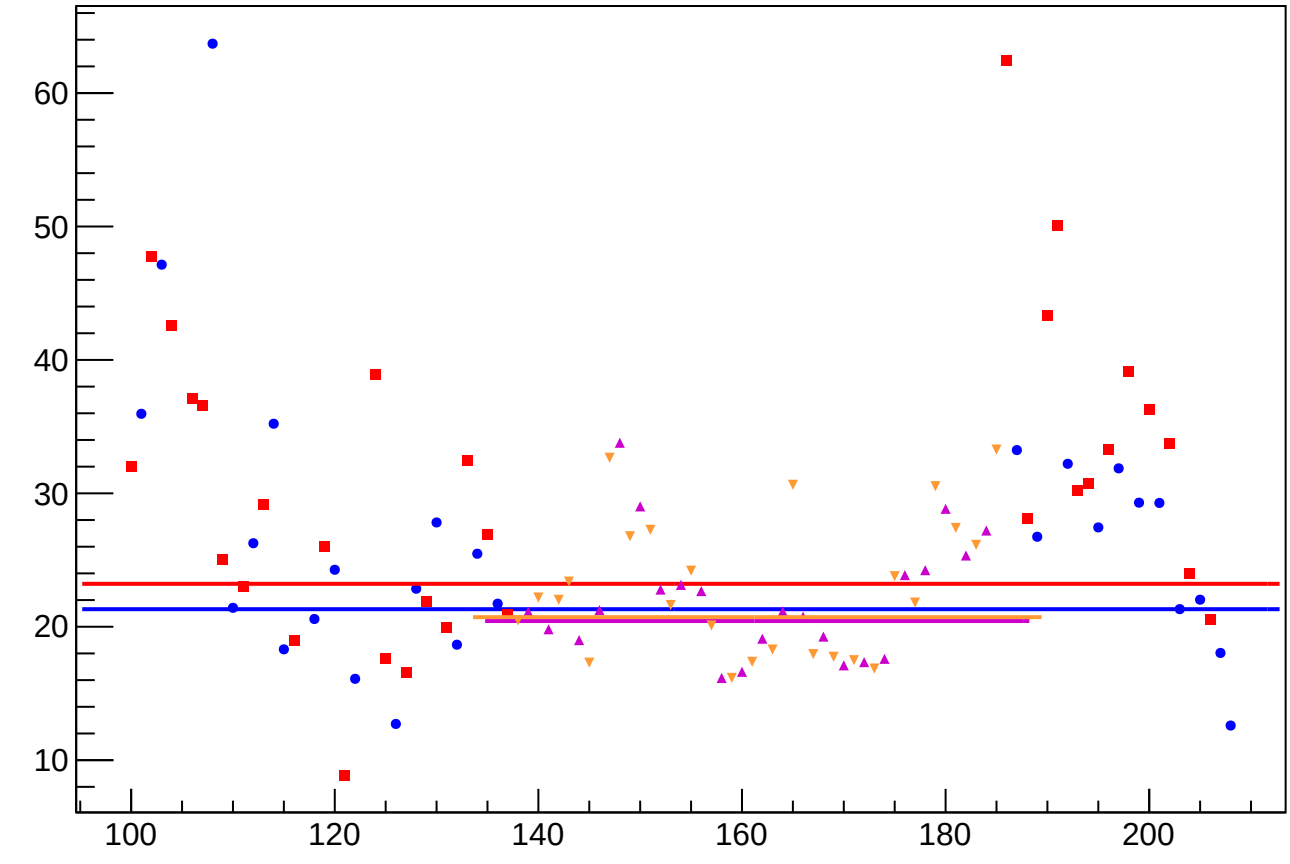
Right Out: 0.010+/-0.006 χ^2/NDF: 20.0/30

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 75.6/51

All: 0.009+/-0.003 χ^2/NDF: 117.6/105

- sign 0.004+/-0.004 χ^2/NDF: 38.9/53



Right In: 21.316+/-0.004 χ^2/NDF: 2994916.4/26

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

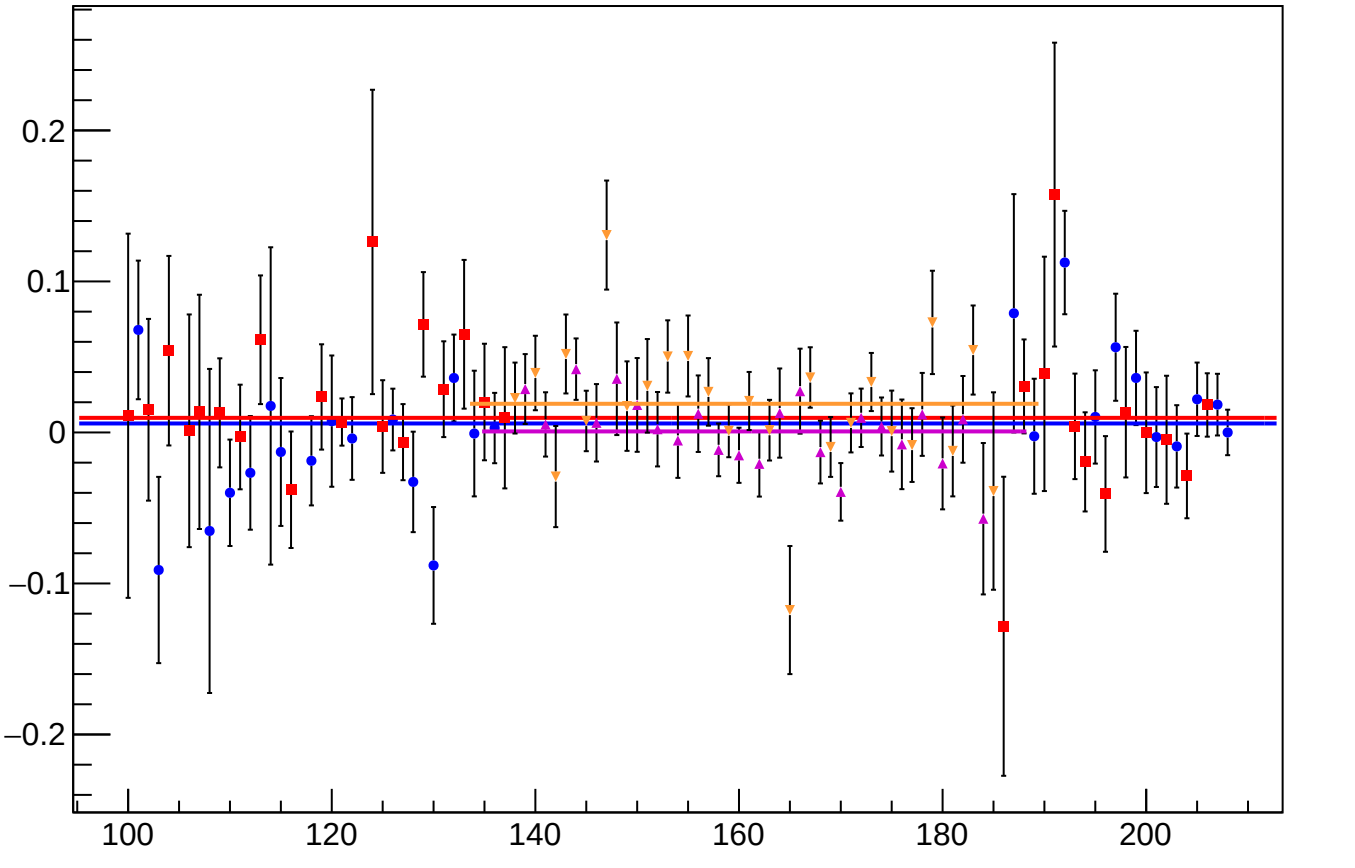
Right Out: 23.219+/-0.005 χ^2/NDF: 4410315.7/30

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.961+/-0.003 χ^2/NDF: 4513636.9/51

All: 21.197+/-0.002 χ^2/NDF: 10349429.5/105

- sign 21.455+/-0.003 χ^2/NDF: 5819235.8/53



Right In: 0.006+/-0.006 χ^2/NDF: 31.5/26

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

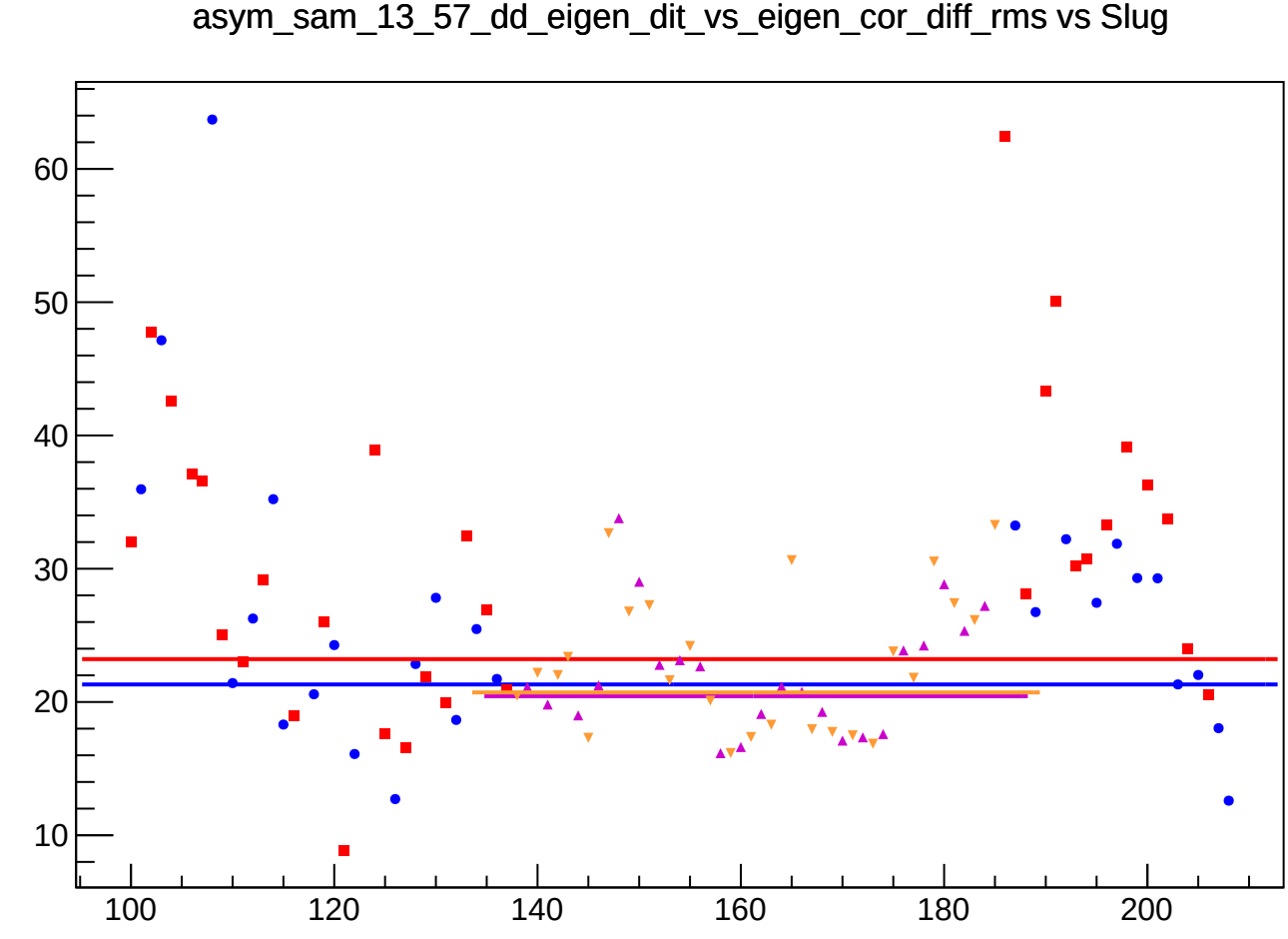
Right Out: 0.010+/-0.006 χ^2/NDF: 20.0/30

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 75.6/51

All: 0.009+/-0.003 χ^2/NDF: 117.6/105

- sign 0.004+/-0.004 χ^2/NDF: 38.9/53



Right In: 21.316+/-0.004 χ^2/NDF: 2994916.4/26

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

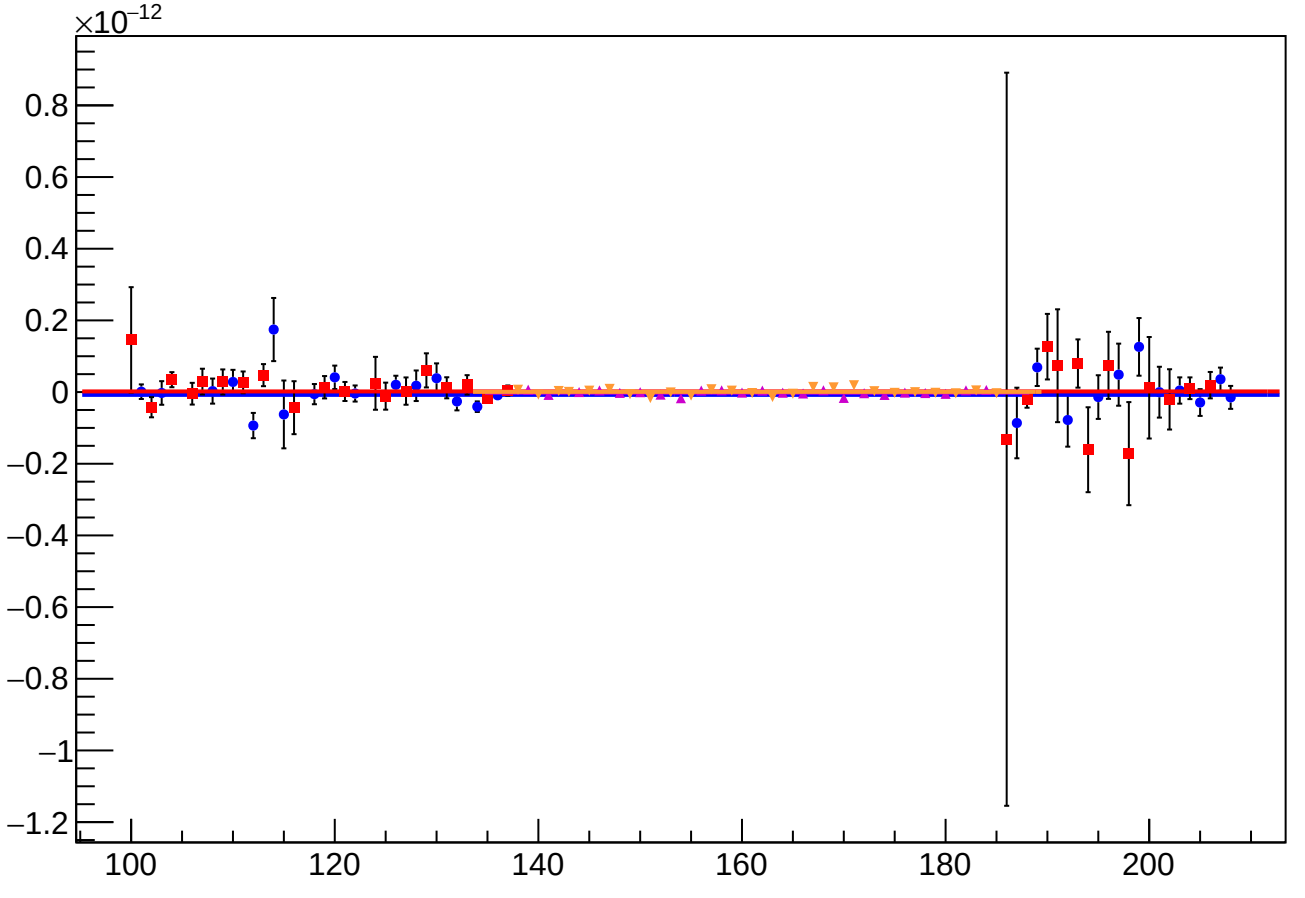
Right Out: 23.219+/-0.005 χ^2/NDF: 4410315.7/30

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.961+/-0.003 χ^2/NDF: 4513636.9/51

All: 21.197+/-0.002 χ^2/NDF: 10349429.5/105

- sign 21.455+/-0.003 χ^2/NDF: 5819235.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

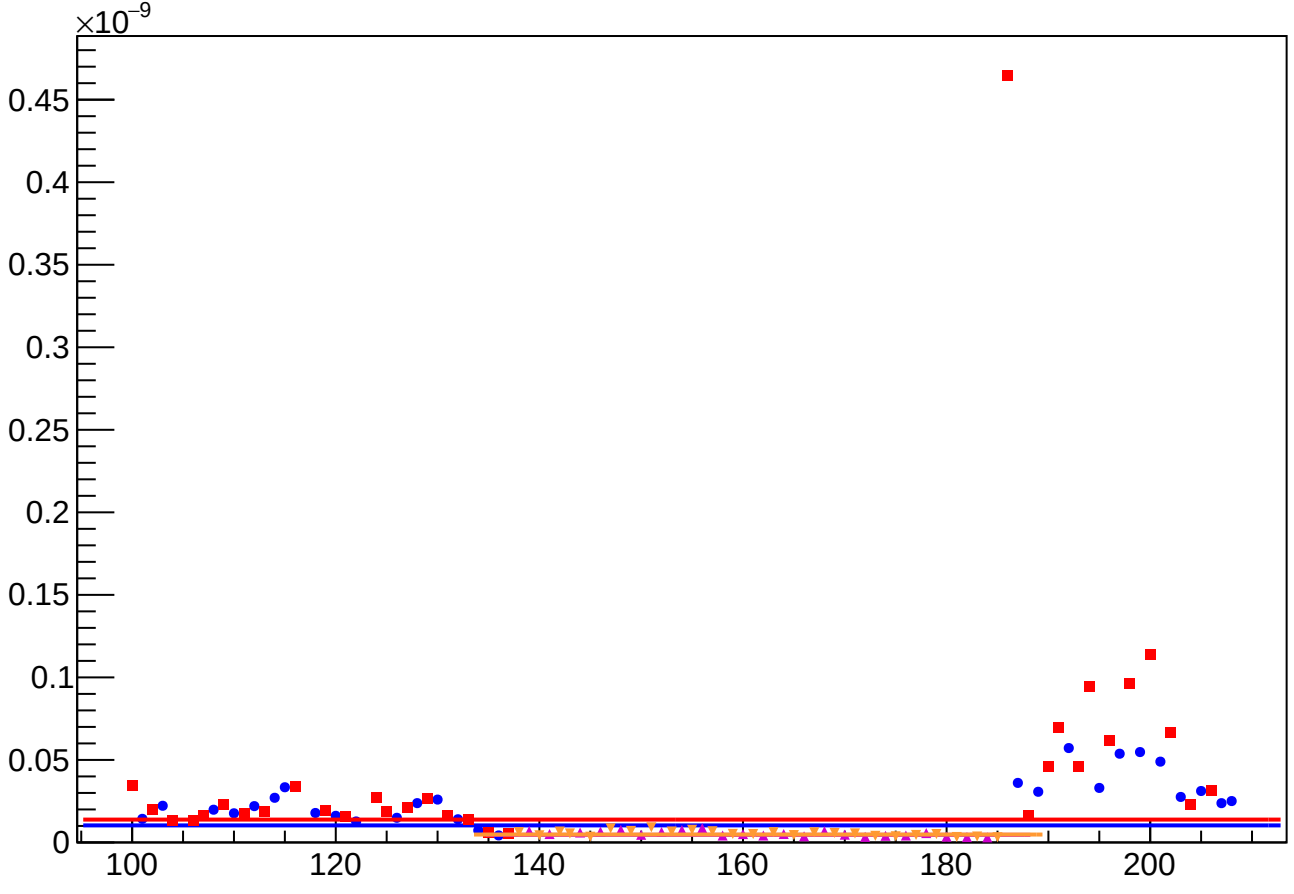
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/30

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.4/51

All: -0.000+/-0.000 χ^2/NDF: 111.6/105

- sign -0.000+/-0.000 χ^2/NDF: 46.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 9188957.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8817164.7/30

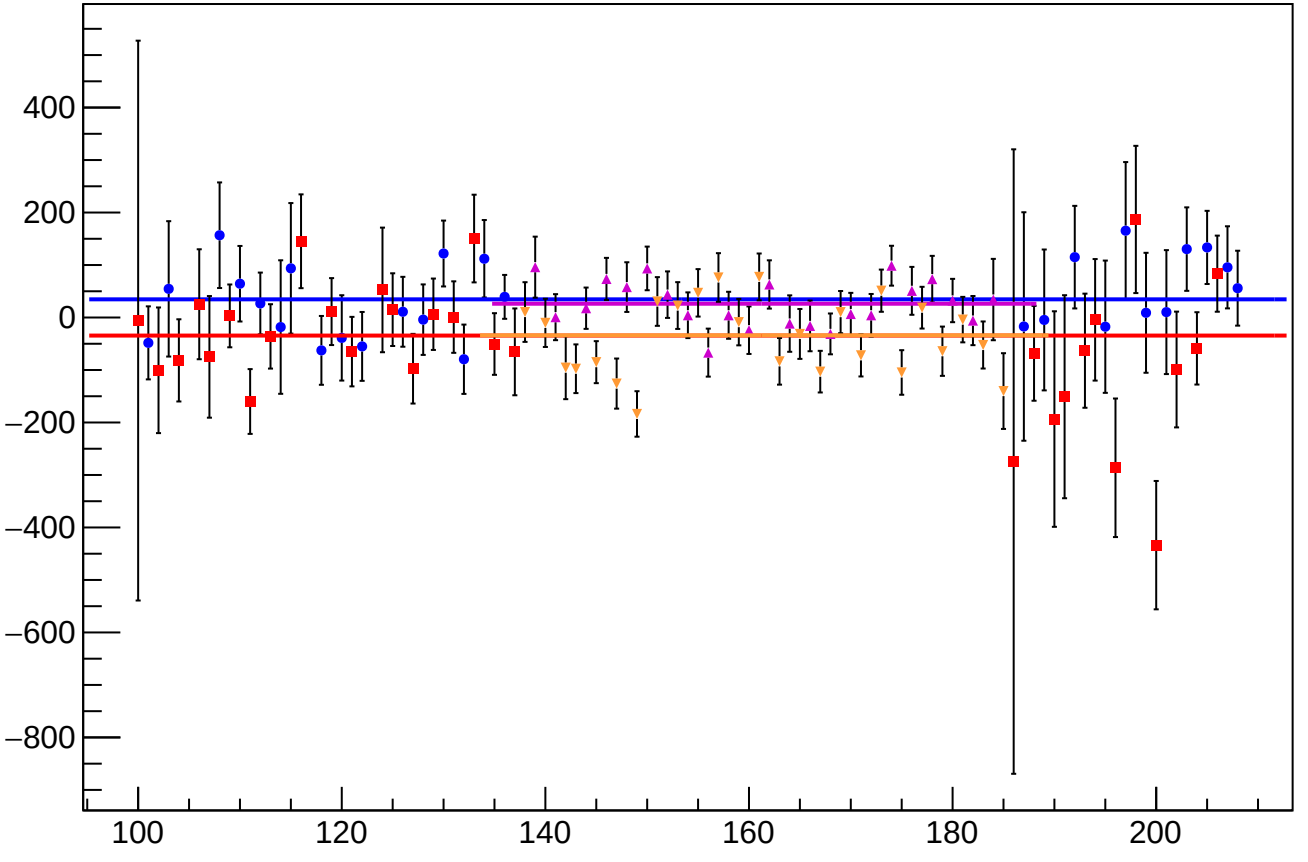
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14349823.6/51

All: 0.000+/-0.000 χ^2/NDF: 30785985.8/105

- sign 0.000+/-0.000 χ^2/NDF: 16428240.9/53

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 34.621+/-14.988 χ^2/NDF: 21.1/26

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -34.412+/-15.214 χ^2/NDF: 39.4/30

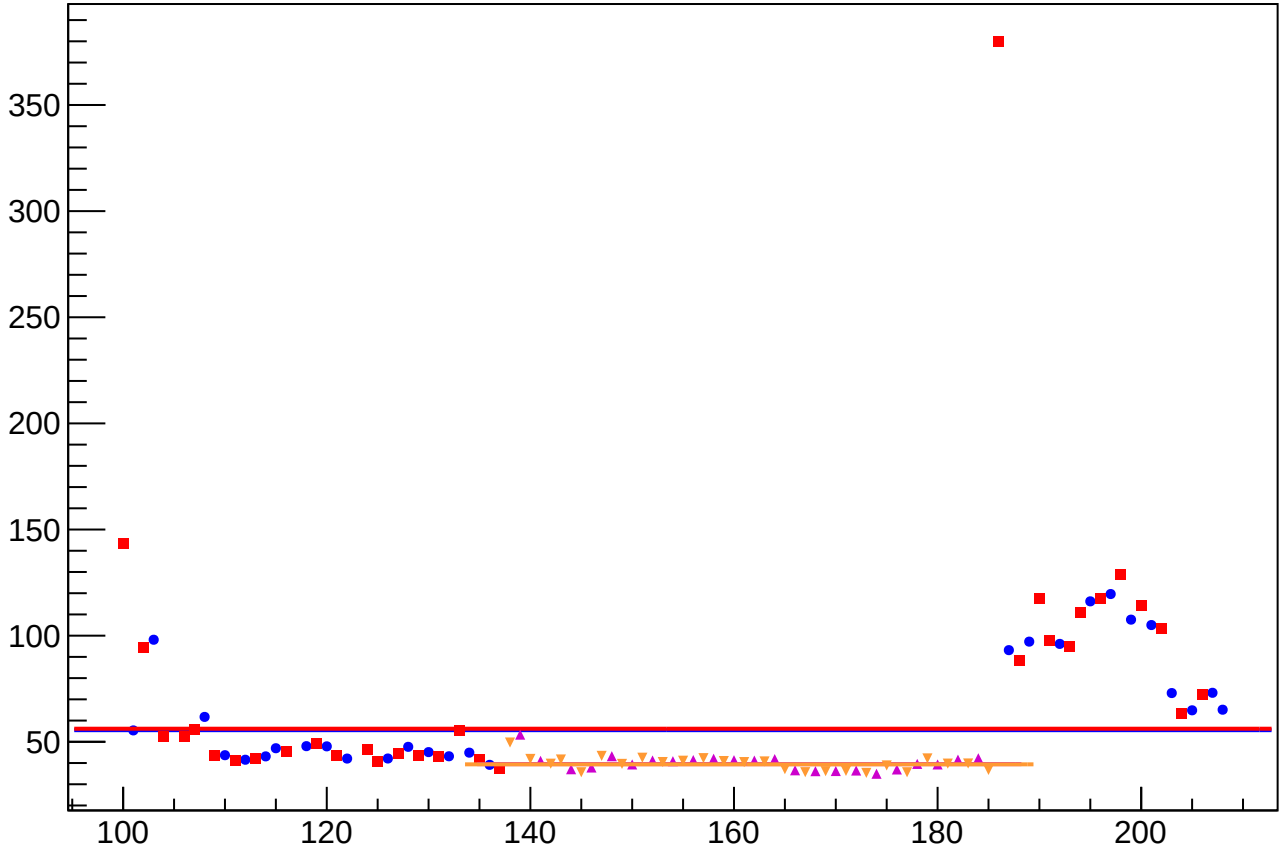
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -15.801+/-7.712 χ^2/NDF: 95.2/51

All: -3.320+/-5.524 χ^2/NDF: 174.1/105

- sign 9.835+/-7.917 χ^2/NDF: 73.5/53

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 55.478+/-0.011 χ^2/NDF: 3706939.2/26

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

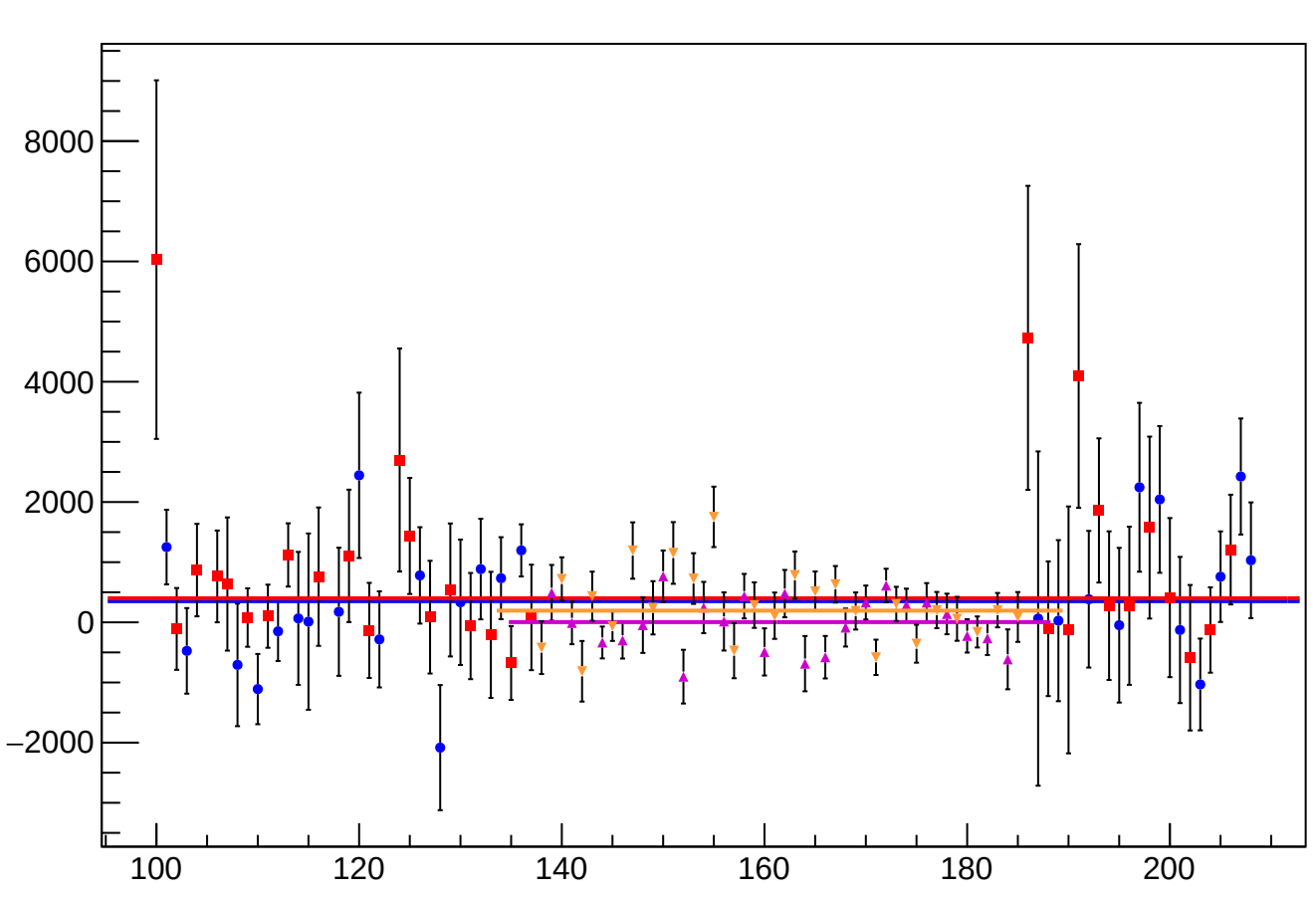
Right Out: 56.165+/-0.011 χ^2/NDF: 4969388.0/30

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 43.644+/-0.005 χ^2/NDF: 5631565.4/51

All: 43.820+/-0.004 χ^2/NDF: 12606627.1/105

- sign 44.006+/-0.006 χ^2/NDF: 6972907.6/53



Right In: 352.251+/-160.721 χ^2/NDF: 38.0/26

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: 399.507+/-160.453 χ^2/NDF: 25.2/30

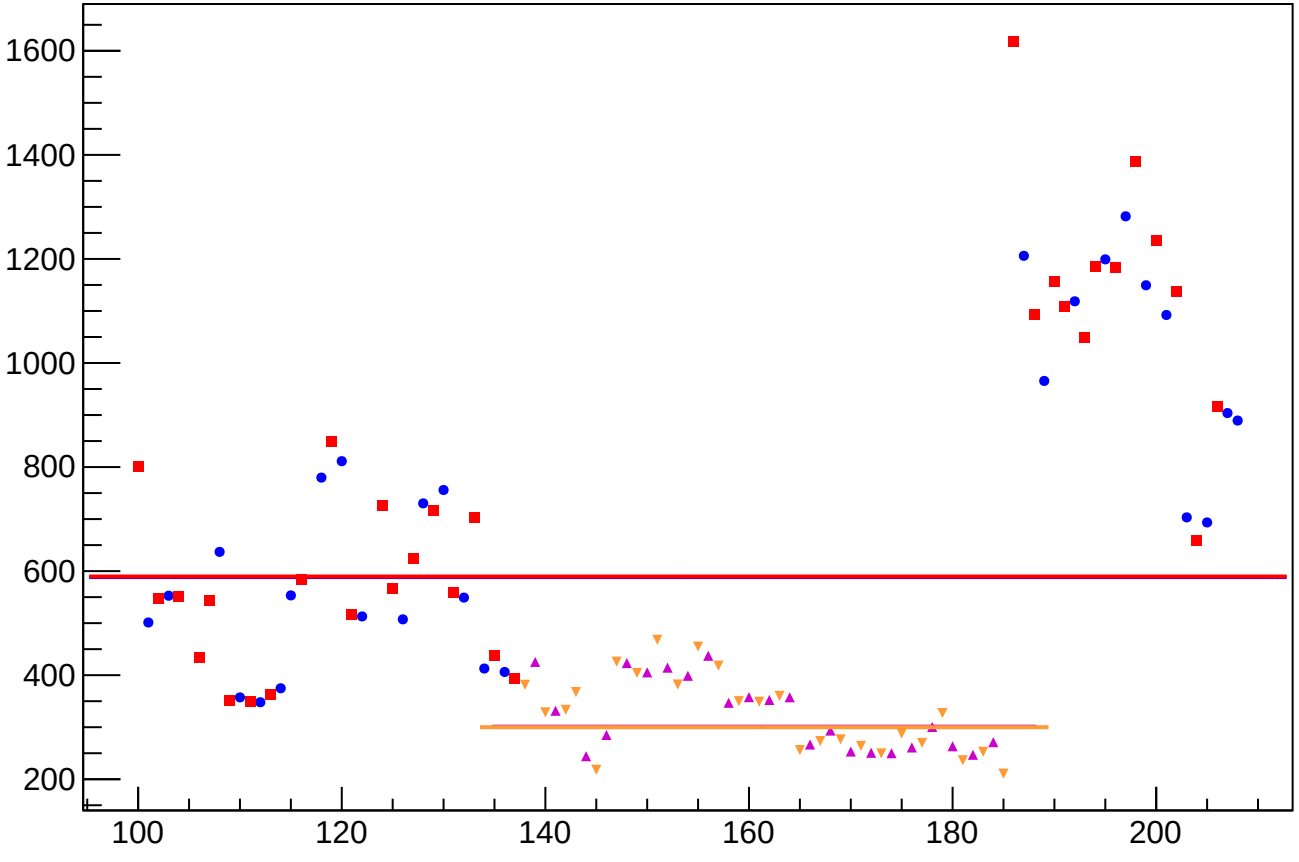
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 220.154+/-64.249 χ^2/NDF: 87.4/51

All: 146.859+/-45.927 χ^2/NDF: 152.6/105

- sign 70.274+/-65.675 χ^2/NDF: 62.6/53

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 588.498+/-0.114 χ^2/NDF: 4541648.6/26

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 589.619+/-0.113 χ^2/NDF: 5684544.9/30

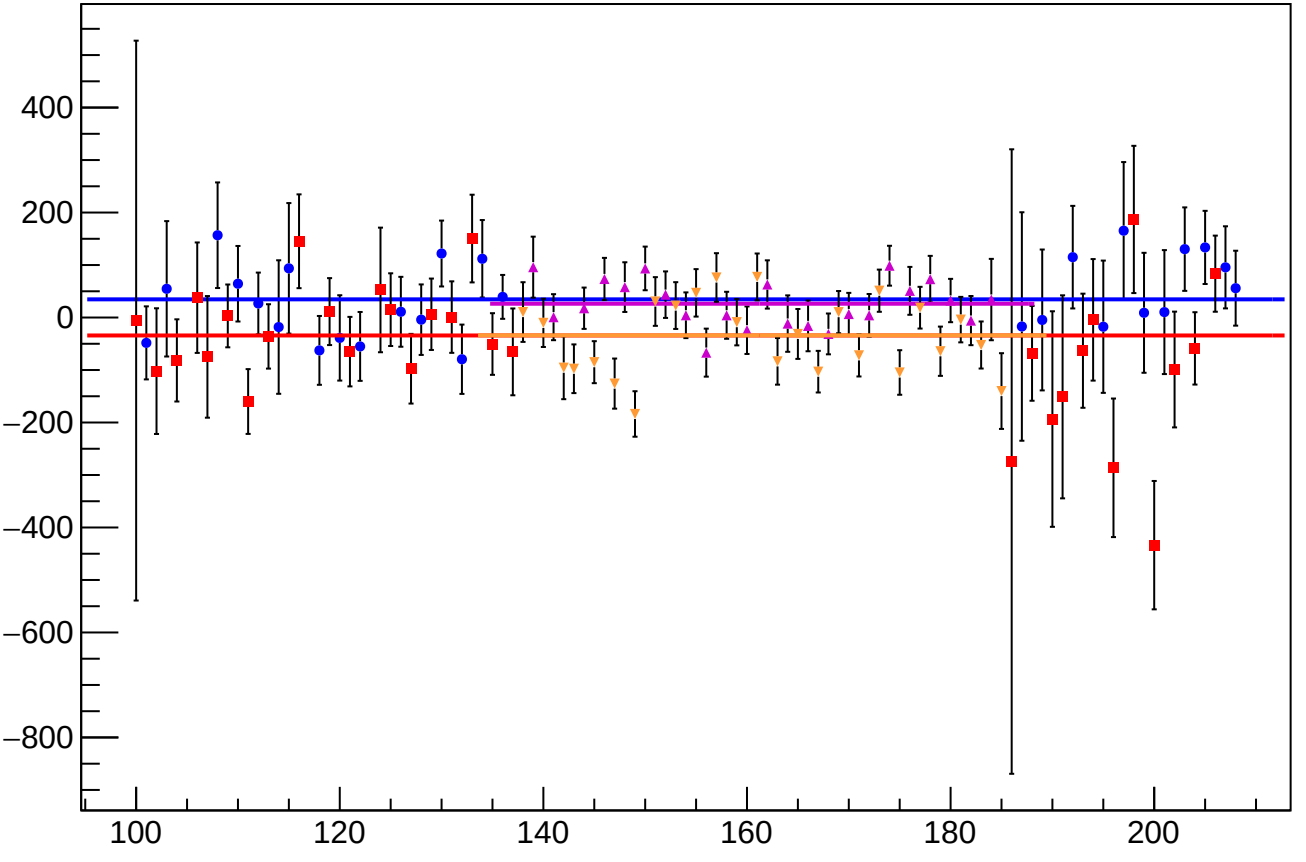
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 346.083+/-0.045 χ^2/NDF: 11765436.6/51

All: 347.682+/-0.032 χ^2/NDF: 24246790.0/10

- sign 349.353+/-0.046 χ^2/NDF: 12478818.9/53

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 34.627+/-14.988 χ^2/NDF: 21.1/26

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -34.186+/-15.216 χ^2/NDF: 39.6/30

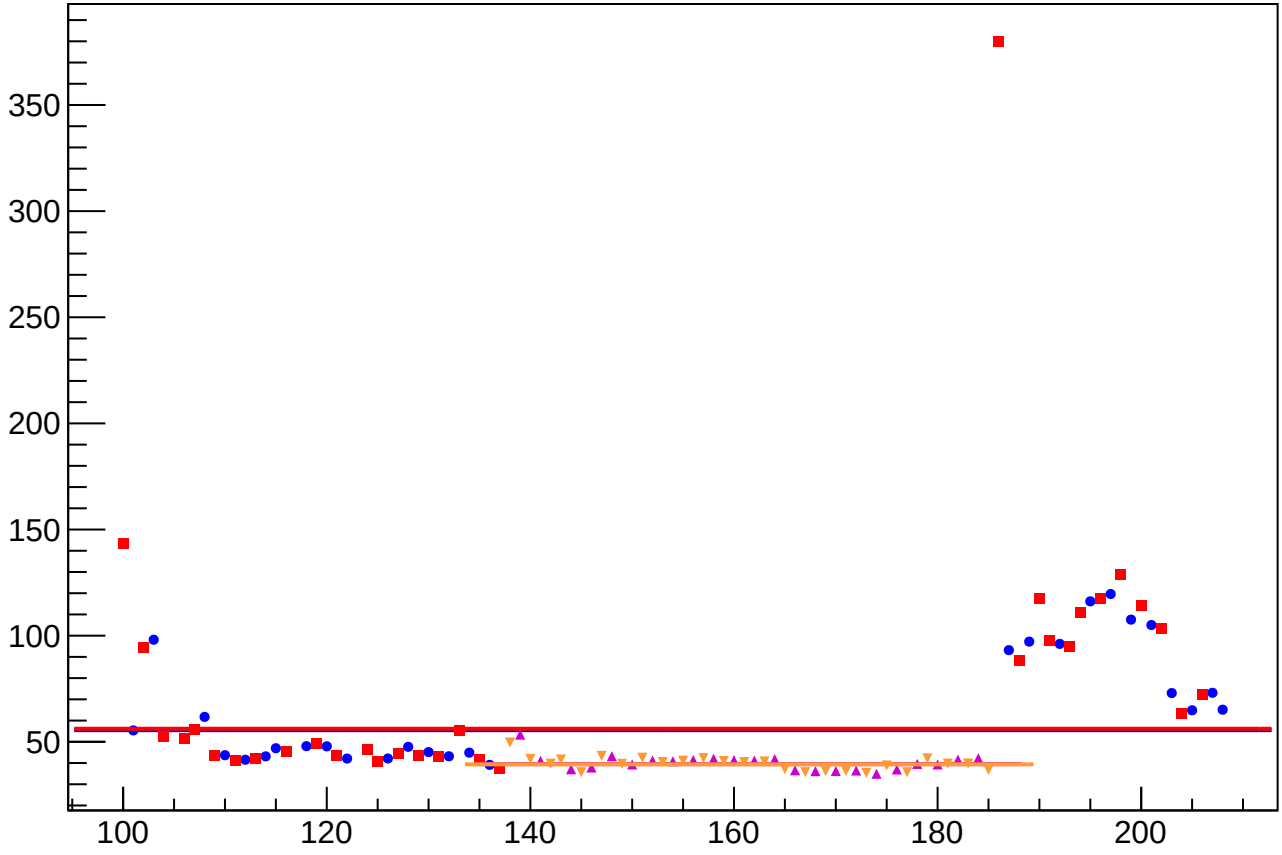
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -15.799+/-7.712 χ^2/NDF: 95.2/51

All: -3.289+/-5.524 χ^2/NDF: 174.2/105

- sign 9.898+/-7.917 χ^2/NDF: 73.6/53

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 55.478+/-0.011 χ^2/NDF: 3706942.3/26

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

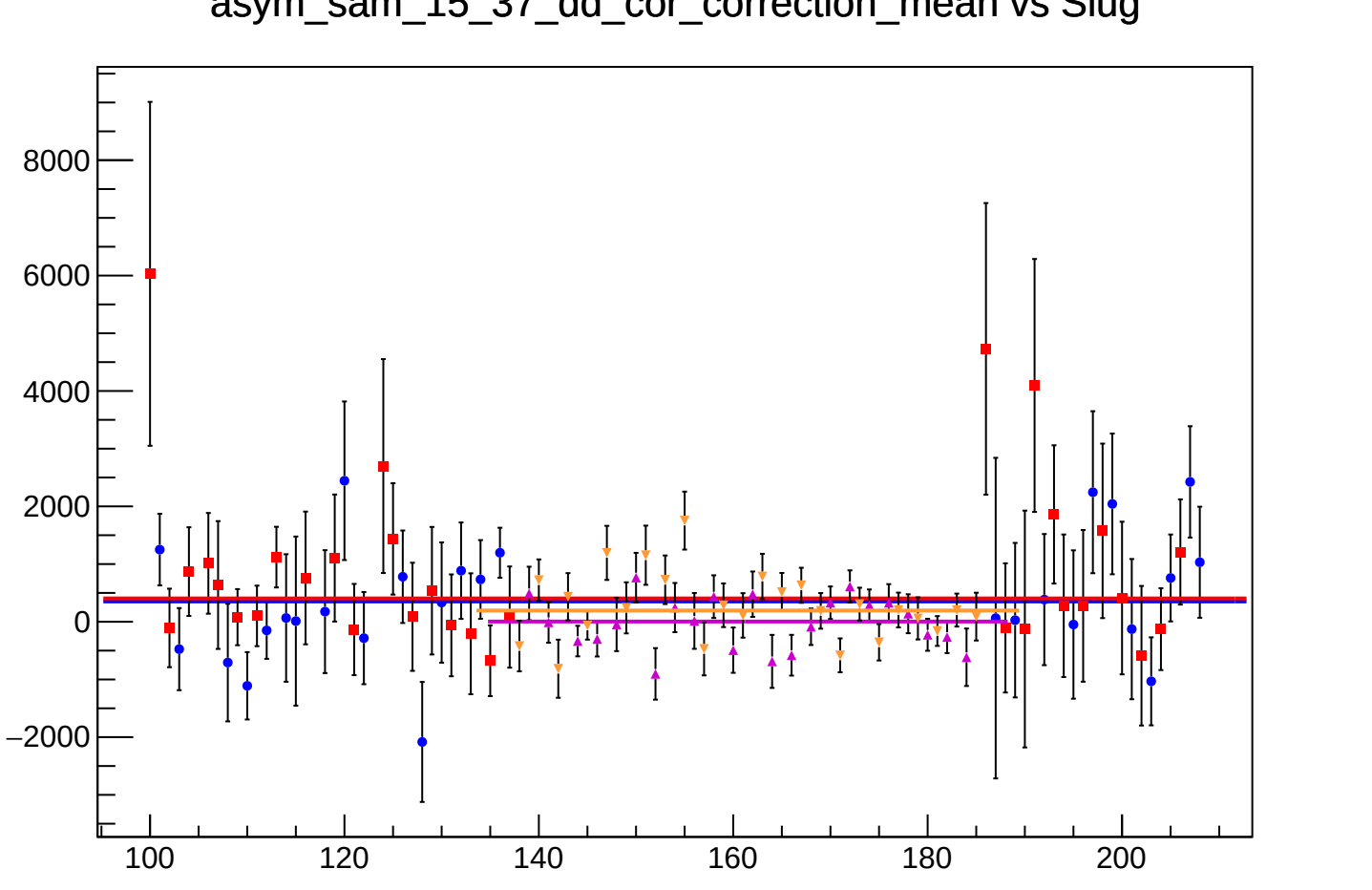
Right Out: 56.149+/-0.011 χ^2/NDF: 4970794.4/30

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 43.644+/-0.005 χ^2/NDF: 5631568.4/51

All: 43.818+/-0.004 χ^2/NDF: 12604295.9/105

- sign 44.001+/-0.006 χ^2/NDF: 6970633.3/53



Right In: 352.256+/-160.721 χ^2/NDF: 38.0/26

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 404.393+/-161.306 χ^2/NDF: 25.4/30

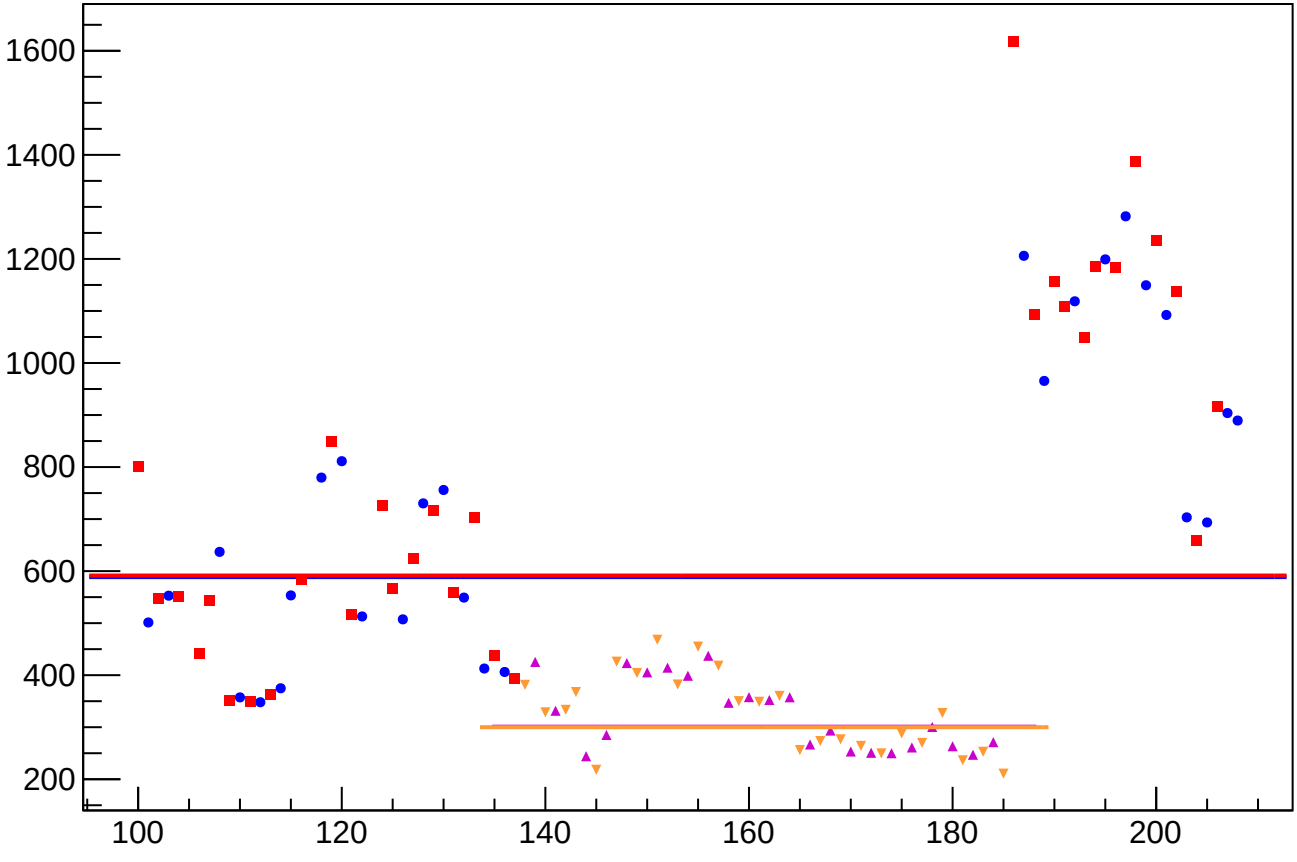
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 220.154+/-64.249 χ^2/NDF: 87.4/51

All: 147.037+/-45.947 χ^2/NDF: 153.0/105

- sign 70.502+/-65.733 χ^2/NDF: 62.9/53

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 588.501+/-0.114 χ^2/NDF: 4541640.6/26

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 591.539+/-0.114 χ^2/NDF: 5658632.6/30

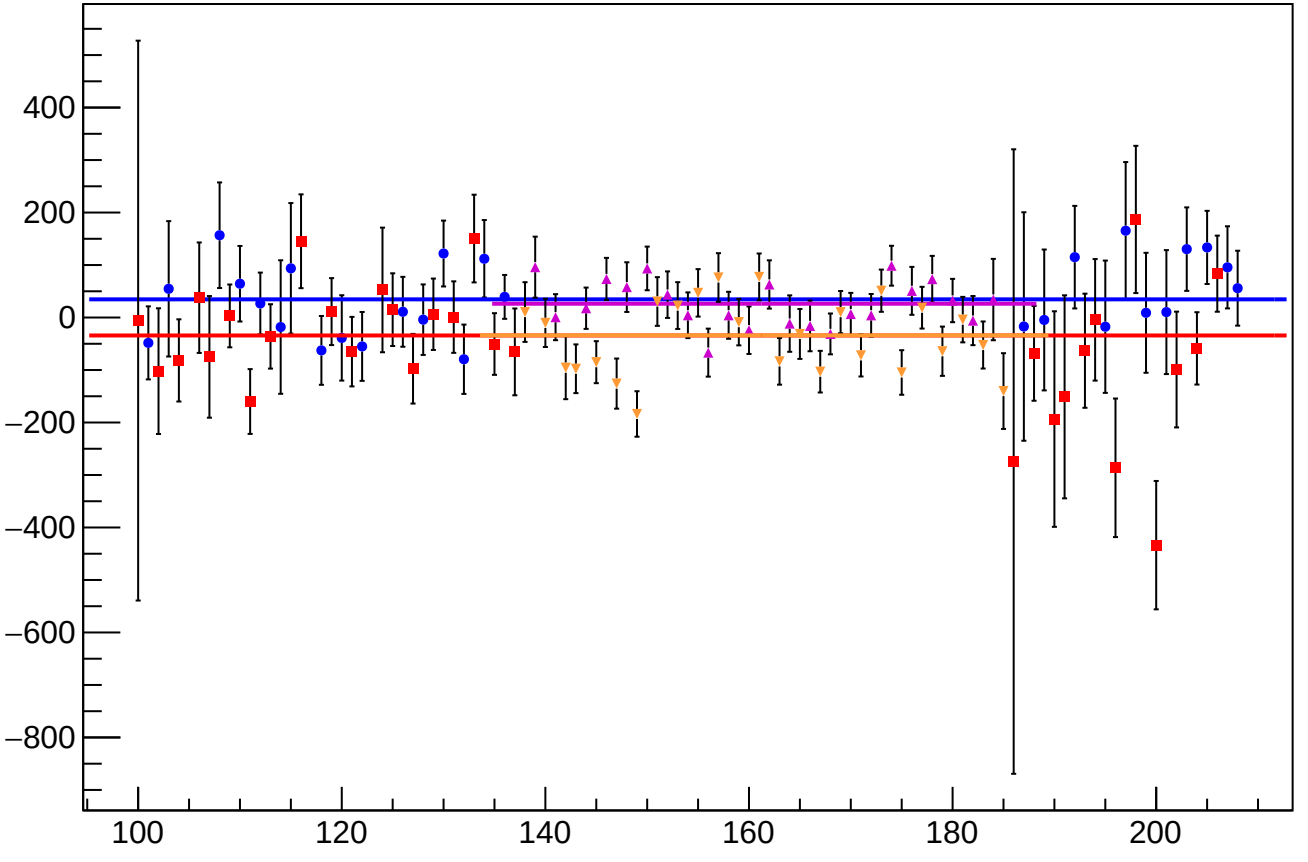
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 346.083+/-0.045 χ^2/NDF: 11765476.8/51

All: 347.629+/-0.032 χ^2/NDF: 24244650.3/10

- sign 349.247+/-0.046 χ^2/NDF: 12476803.9/53

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 34.627+/-14.988 χ^2/NDF: 21.1/26

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -34.186+/-15.216 χ^2/NDF: 39.6/30

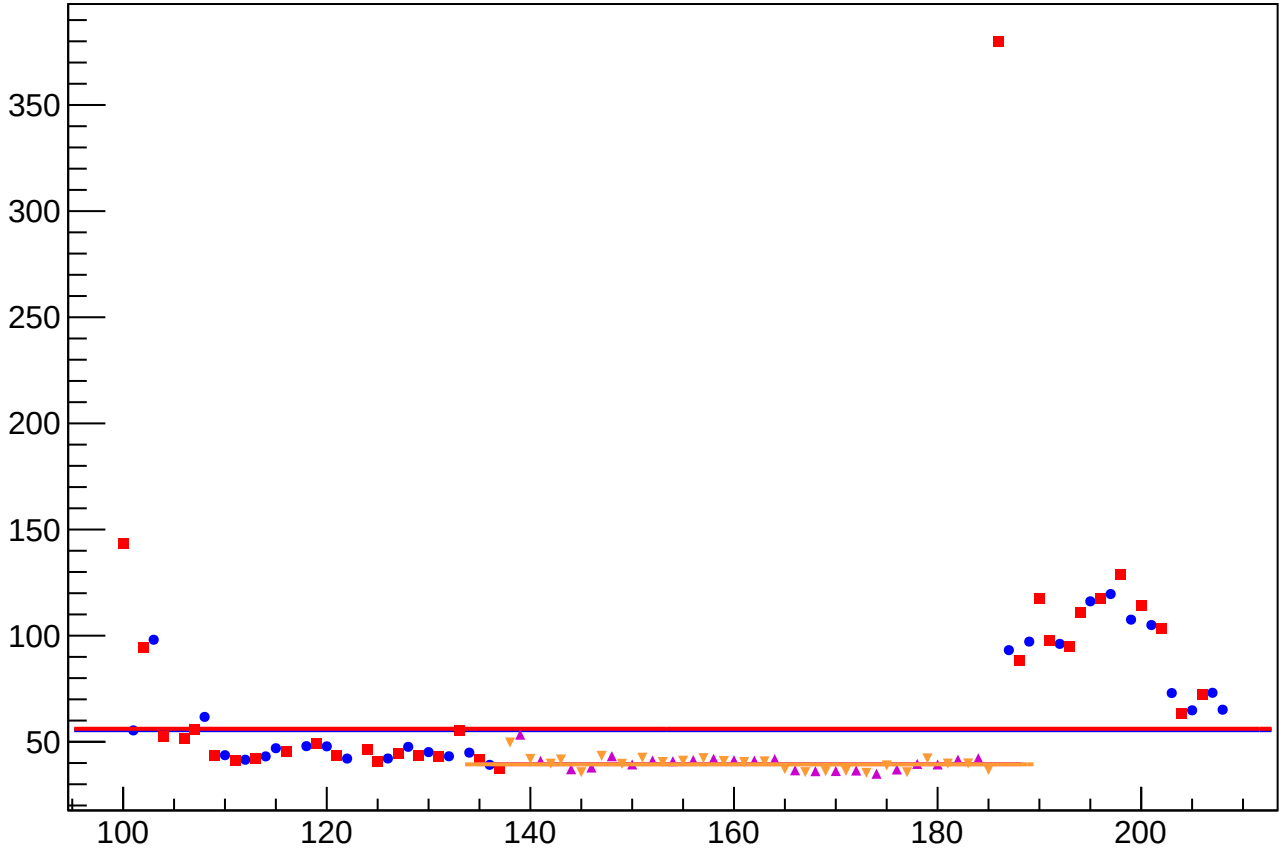
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -15.799+/-7.712 χ^2/NDF: 95.2/51

All: -3.289+/-5.524 χ^2/NDF: 174.2/105

- sign 9.898+/-7.917 χ^2/NDF: 73.6/53

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 55.478+/-0.011 χ^2/NDF: 3706942.3/26

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

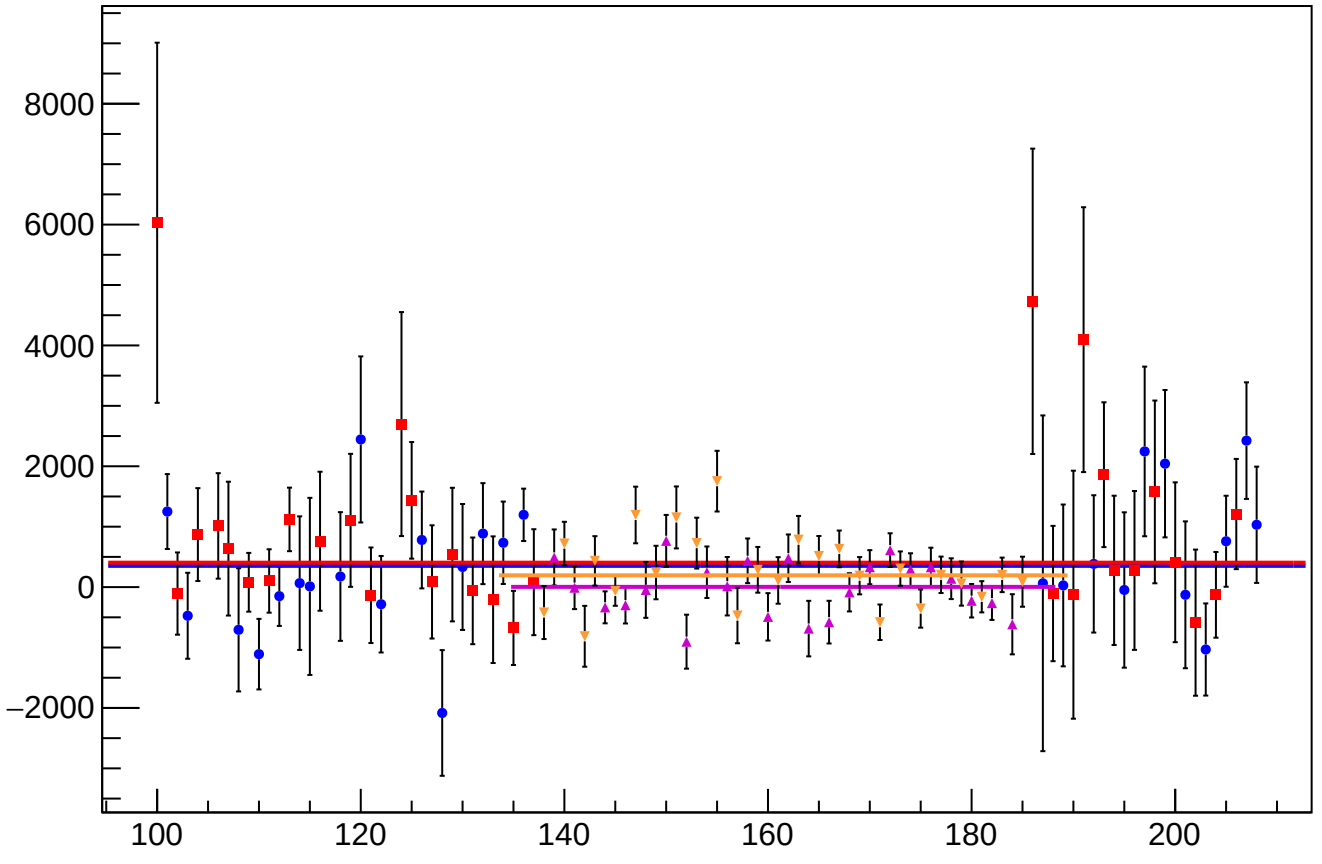
Right Out: 56.149+/-0.011 χ^2/NDF: 4970794.4/30

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 43.644+/-0.005 χ^2/NDF: 5631568.4/51

All: 43.818+/-0.004 χ^2/NDF: 12604295.9/105

- sign 44.001+/-0.006 χ^2/NDF: 6970633.3/53



Right In: 352.256+/-160.721 χ^2/NDF: 38.0/26

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

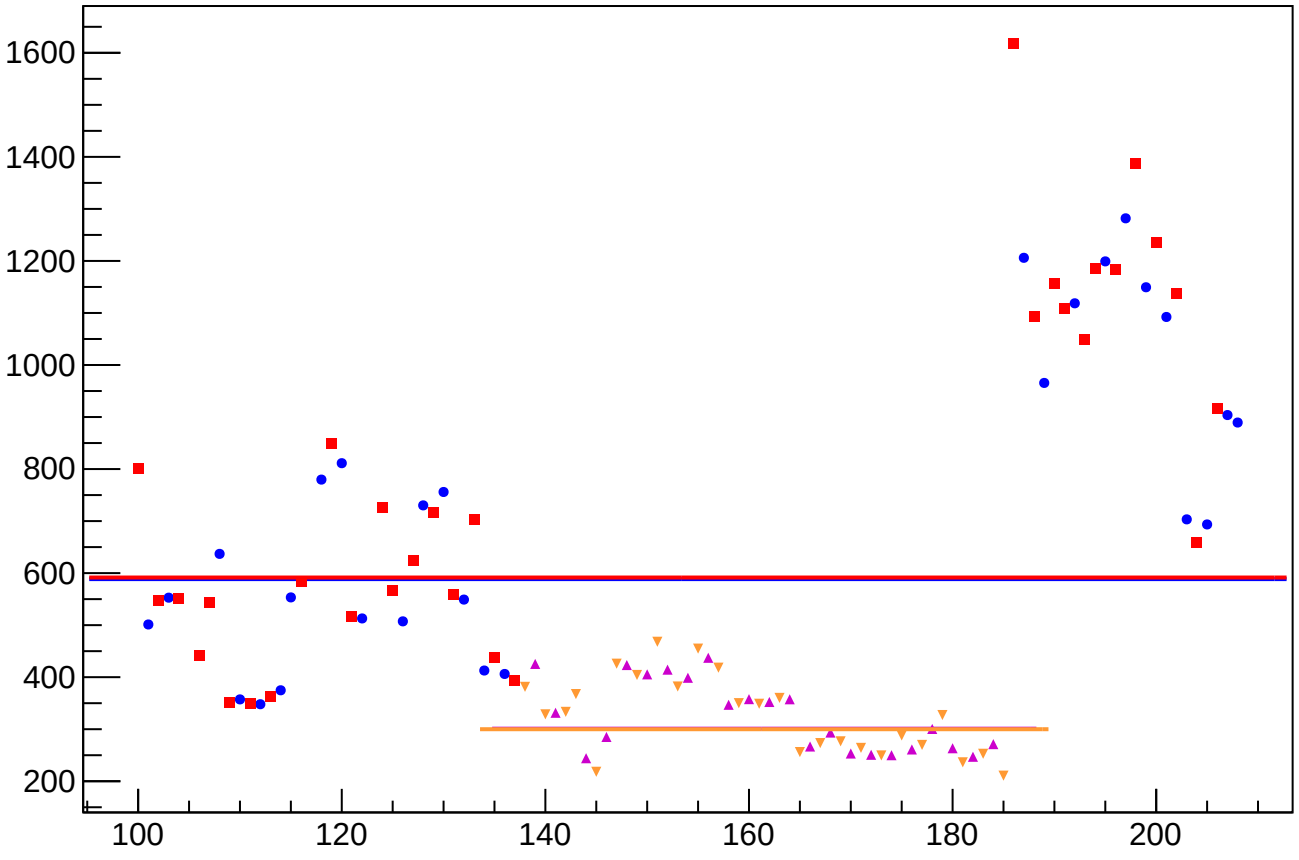
Right Out: 404.393+/-161.306 χ^2/NDF: 25.4/30

Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 220.154+/-64.249 χ^2/NDF: 87.4/51

All: 147.037+/-45.947 χ^2/NDF: 153.0/105

- sign 70.502+/-65.733 χ^2/NDF: 62.9/53



Right In: 588.501+/-0.114 χ^2/NDF: 4541640.6/26

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

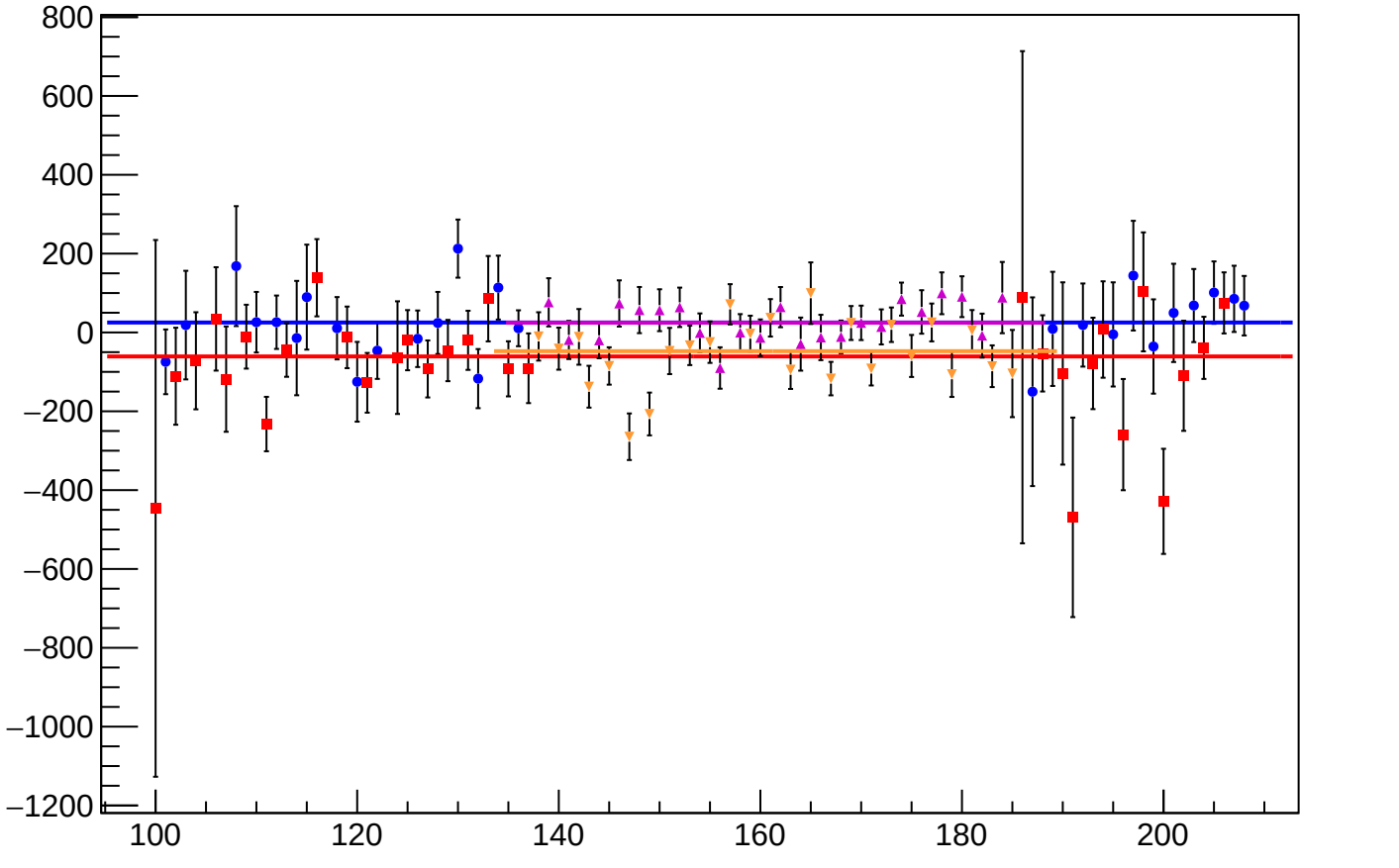
Right Out: 591.539+/-0.114 χ^2/NDF: 5658632.6/30

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 346.083+/-0.045 χ^2/NDF: 11765476.8/51

All: 347.629+/-0.032 χ^2/NDF: 24244650.3/10

- sign 349.247+/-0.046 χ^2/NDF: 12476803.9/53



Right In: 25.240+/-16.832 χ^2/NDF: 21.2/26

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -60.854+/-17.523 χ^2/NDF: 33.2/30

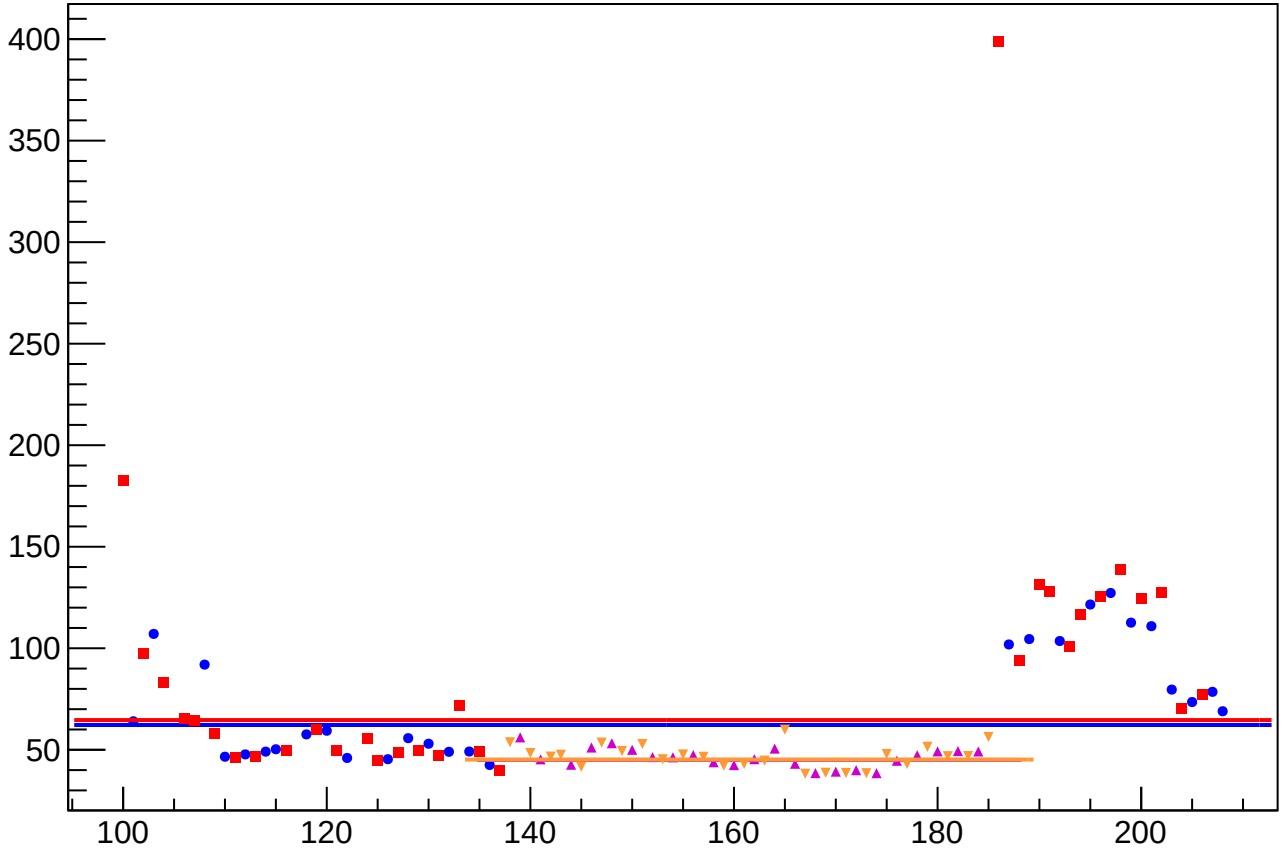
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

\+ sign -27.411+/-8.843 χ^2/NDF: 89.4/51

All: -13.342+/-6.344 χ^2/NDF: 164.9/105

\- sign 1.581+/-9.107 χ^2/NDF: 70.3/53

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 62.213+/-0.012 χ^2/NDF: 3485563.0/26

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 64.639+/-0.012 χ^2/NDF: 4701817.7/30

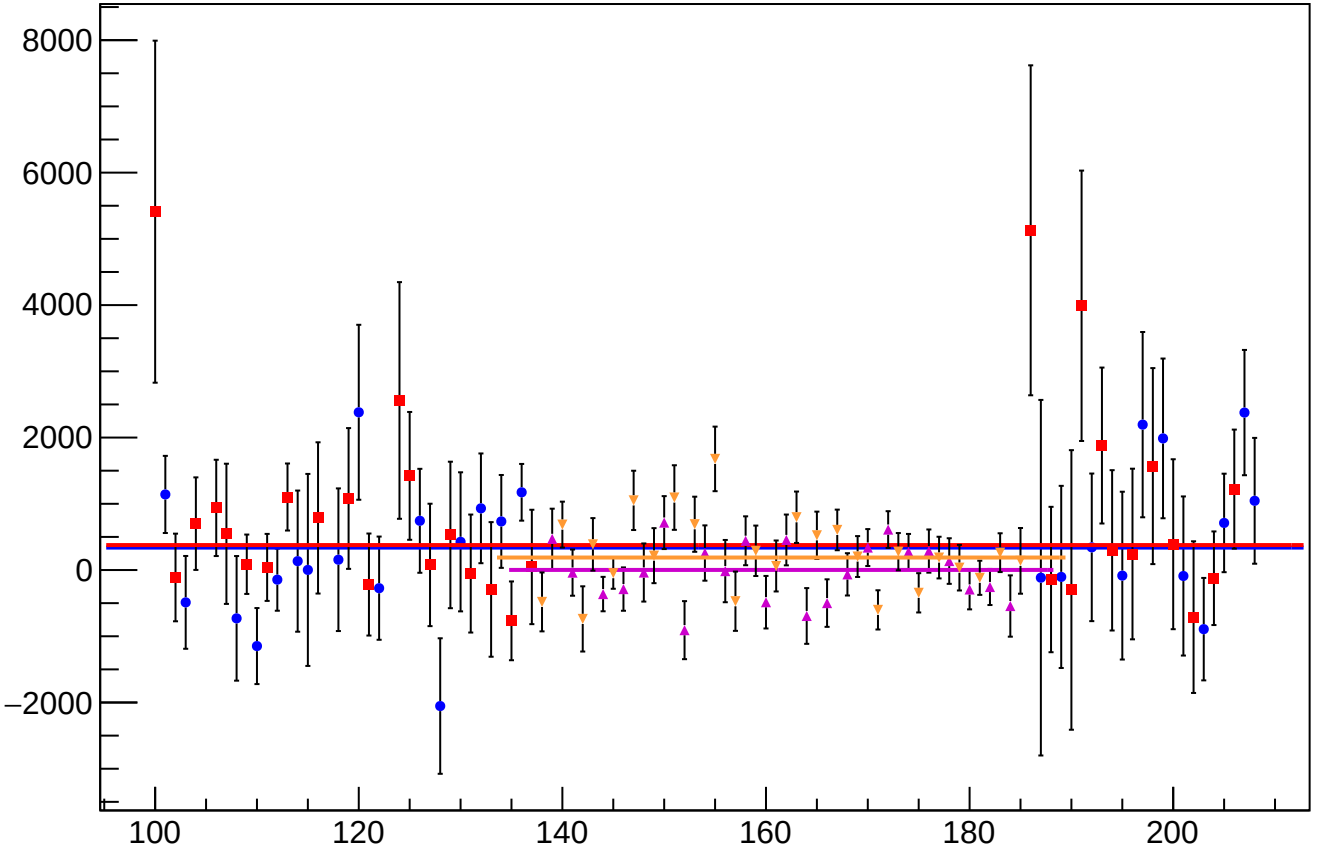
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 49.877+/-0.006 χ^2/NDF: 5459009.0/51

All: 50.091+/-0.004 χ^2/NDF: 12366198.2/105

- sign 50.317+/-0.006 χ^2/NDF: 6904783.2/53

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 338.823+/-157.597 χ^2/NDF: 37.8/26

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 376.829+/-154.856 χ^2/NDF: 28.3/30

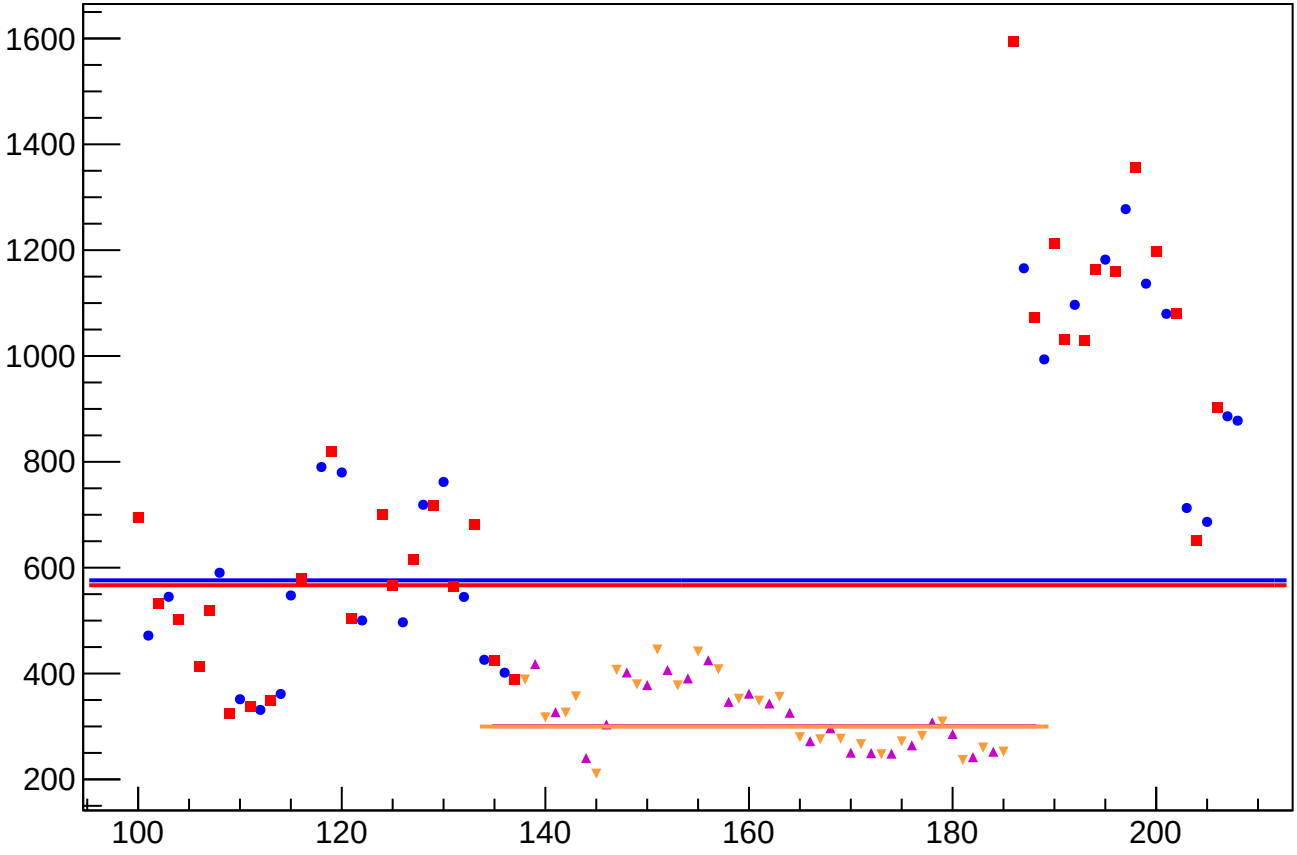
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 213.362+/-63.755 χ^2/NDF: 85.4/51

All: 142.122+/-45.540 χ^2/NDF: 153.2/105

- sign 67.905+/-65.073 χ^2/NDF: 65.3/53

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 576.094+/-0.111 χ^2/NDF: 4681705.5/26

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 566.814+/-0.109 χ^2/NDF: 5927137.9/30

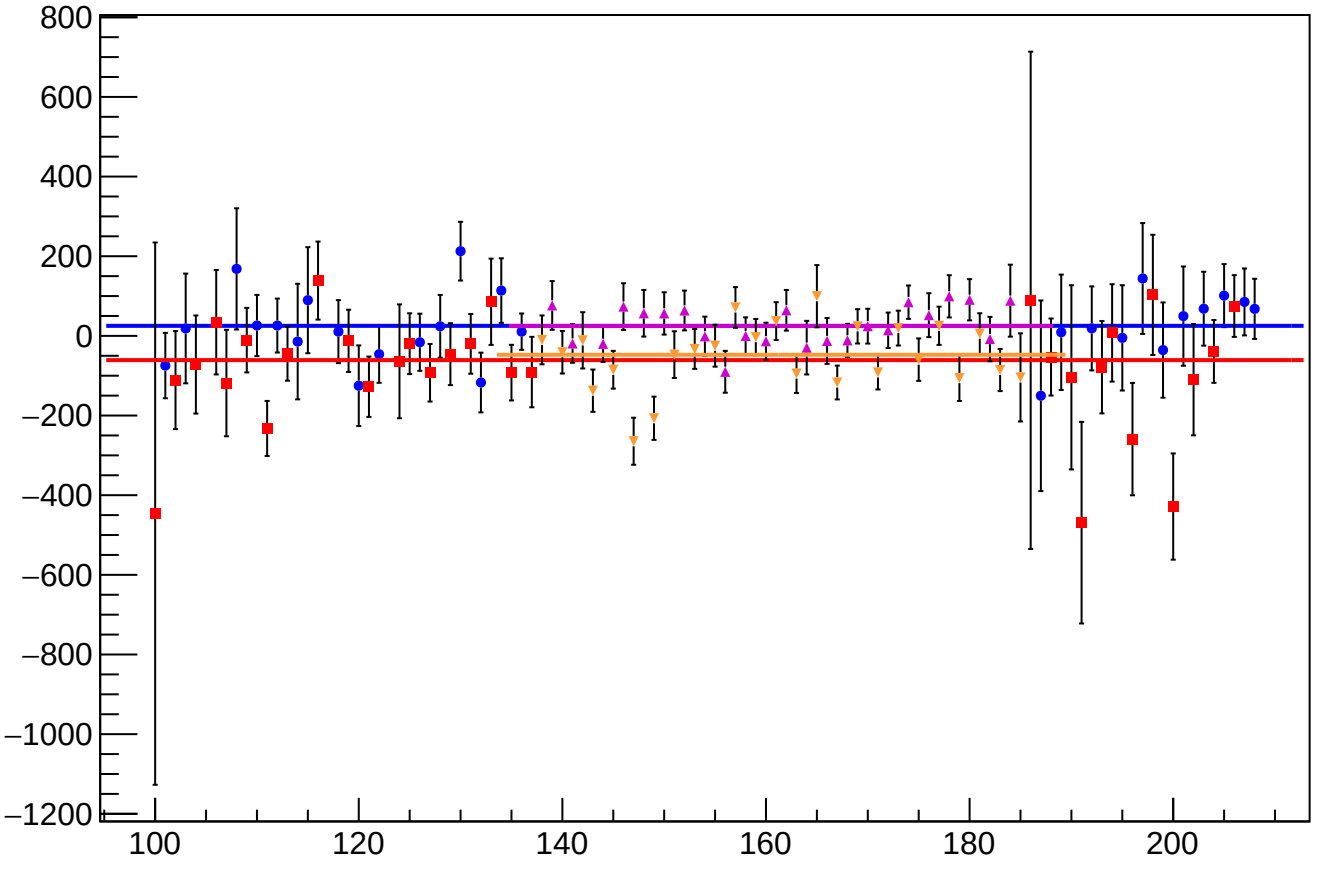
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 345.015+/-0.045 χ^2/NDF: 11400381.5/51

All: 346.263+/-0.032 χ^2/NDF: 23457337.6/10

- sign 347.563+/-0.046 χ^2/NDF: 12055391.3/53

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 25.239+/-16.832 χ^2/NDF: 21.2/26

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -60.855+/-17.523 χ^2/NDF: 33.2/30

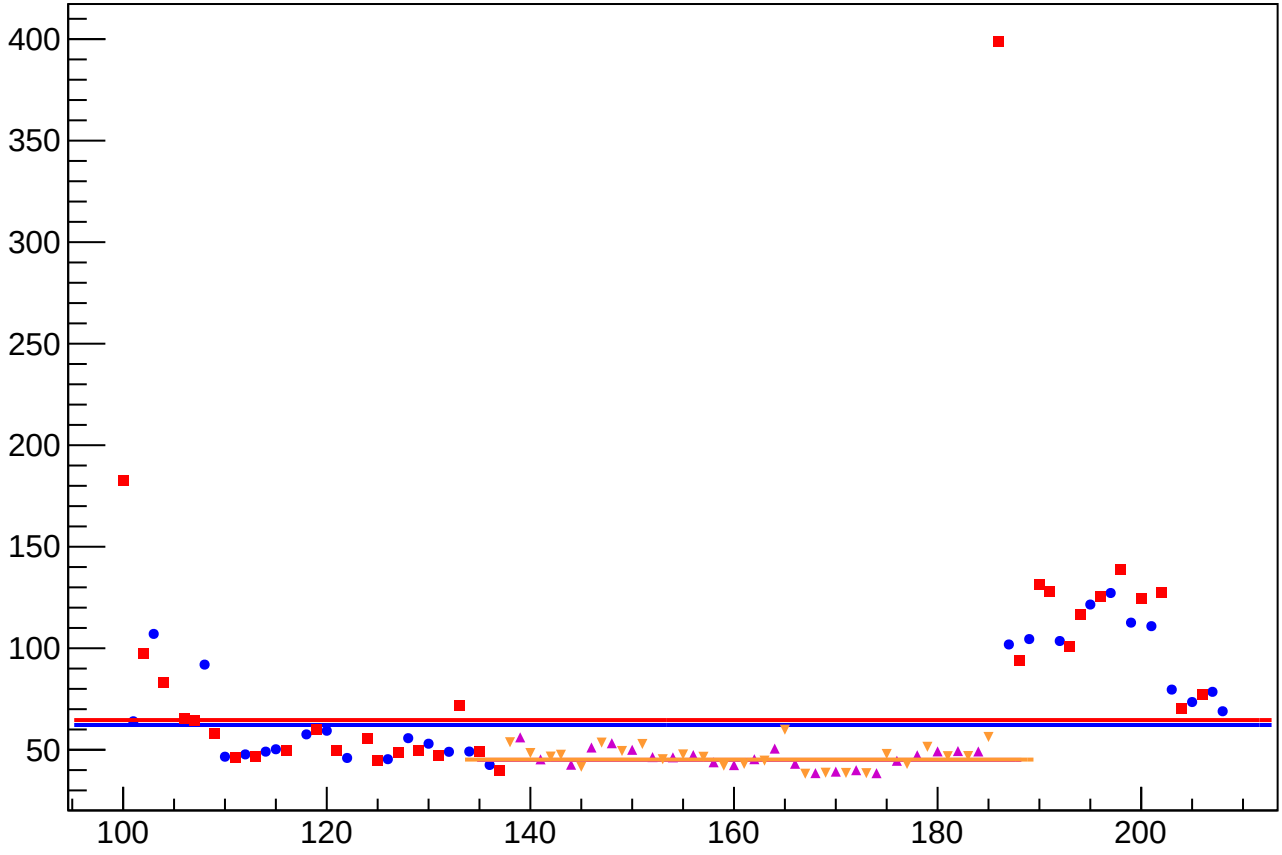
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -27.411+/-8.843 χ^2/NDF: 89.4/51

All: -13.342+/-6.344 χ^2/NDF: 164.9/105

- sign 1.581+/-9.107 χ^2/NDF: 70.3/53

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 62.213+/-0.012 χ^2/NDF: 3485568.0/26

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

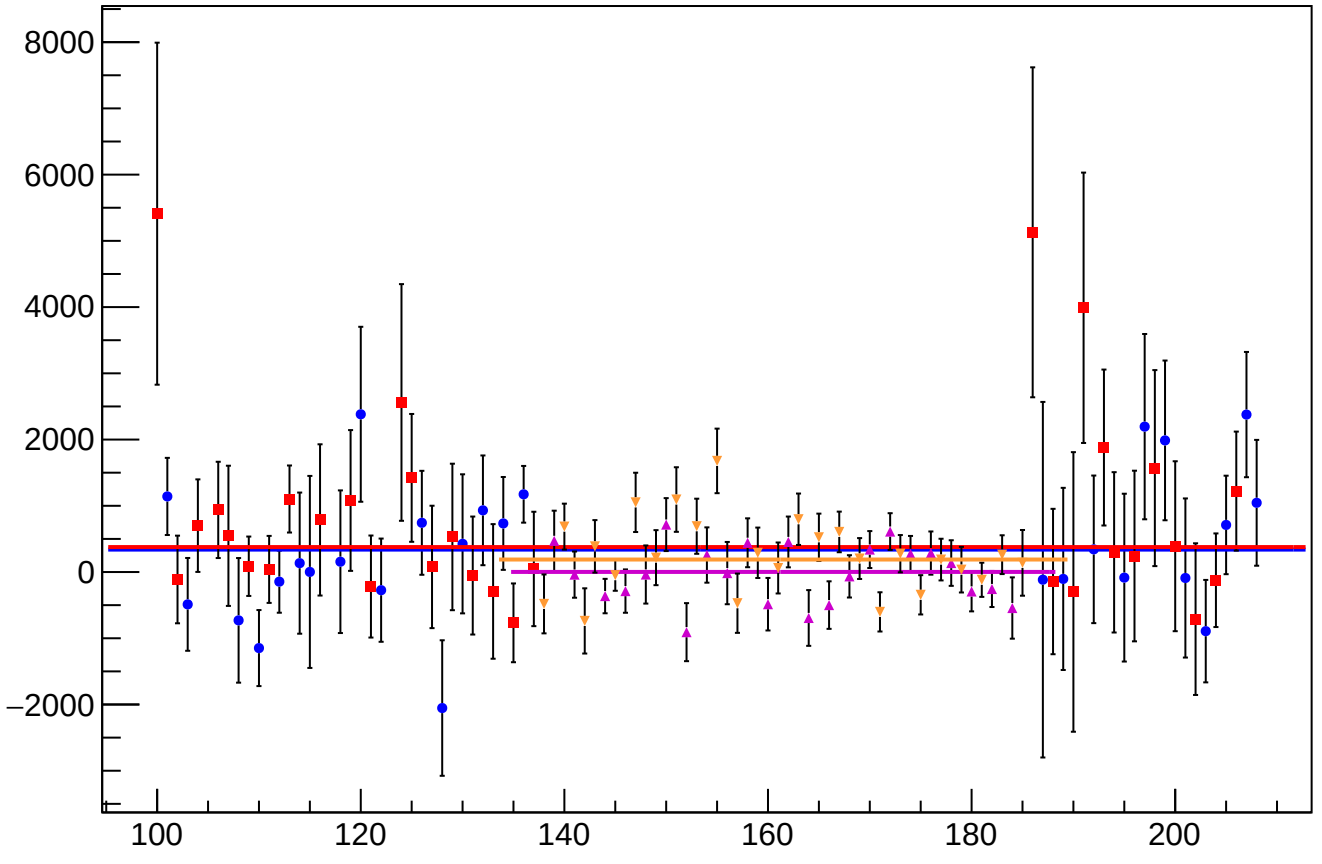
Right Out: 64.639+/-0.012 χ^2/NDF: 4701822.0/30

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 49.877+/-0.006 χ^2/NDF: 5459015.9/51

All: 50.091+/-0.004 χ^2/NDF: 12366212.8/105

- sign 50.317+/-0.006 χ^2/NDF: 6904790.5/53



Right In: 338.822+/-157.597 χ^2/NDF: 37.8/26

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

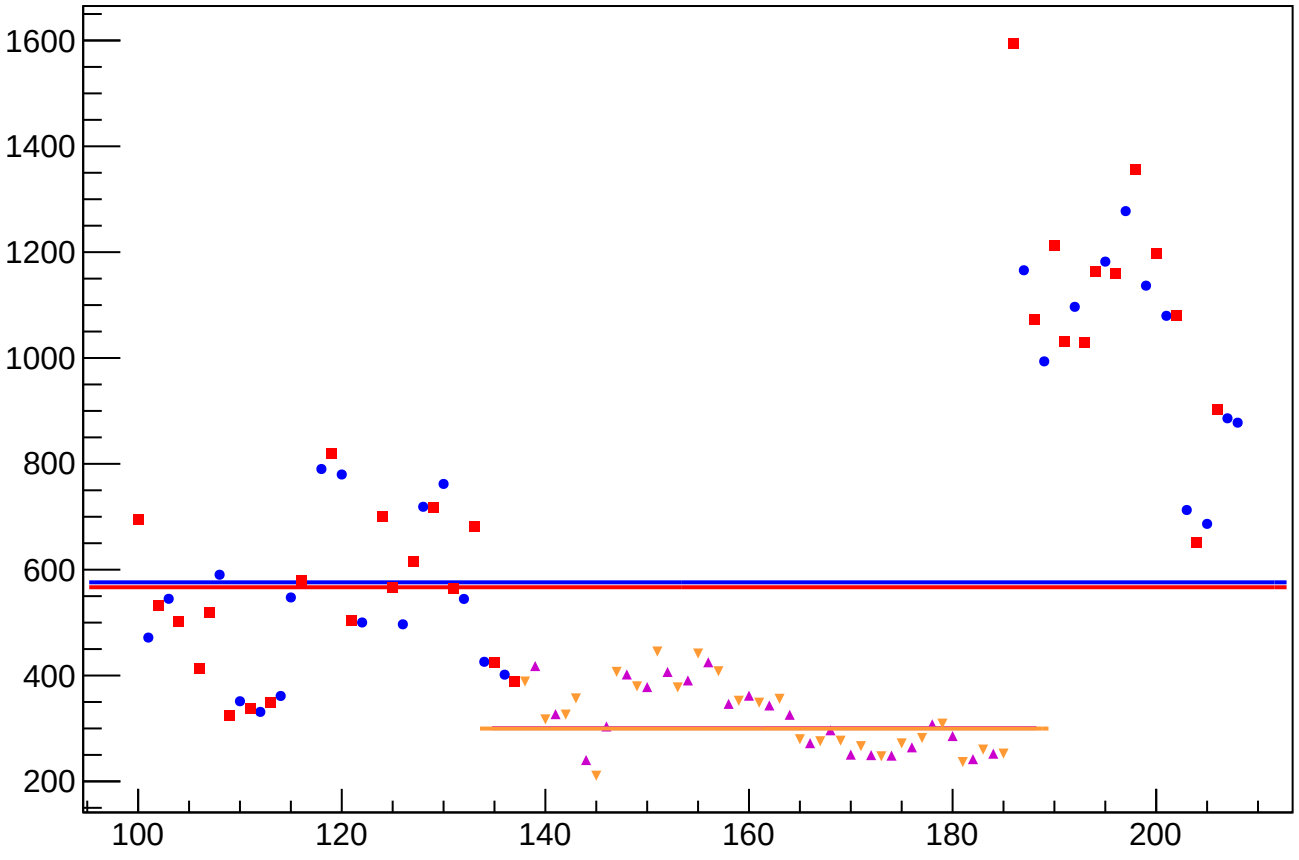
Right Out: 376.828+/-154.855 χ^2/NDF: 28.3/30

Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 213.362+/-63.755 χ^2/NDF: 85.4/51

All: 142.122+/-45.540 χ^2/NDF: 153.2/105

- sign 67.905+/-65.073 χ^2/NDF: 65.3/53



Right In: 576.094+/-0.111 χ^2/NDF: 4681719.3/26

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

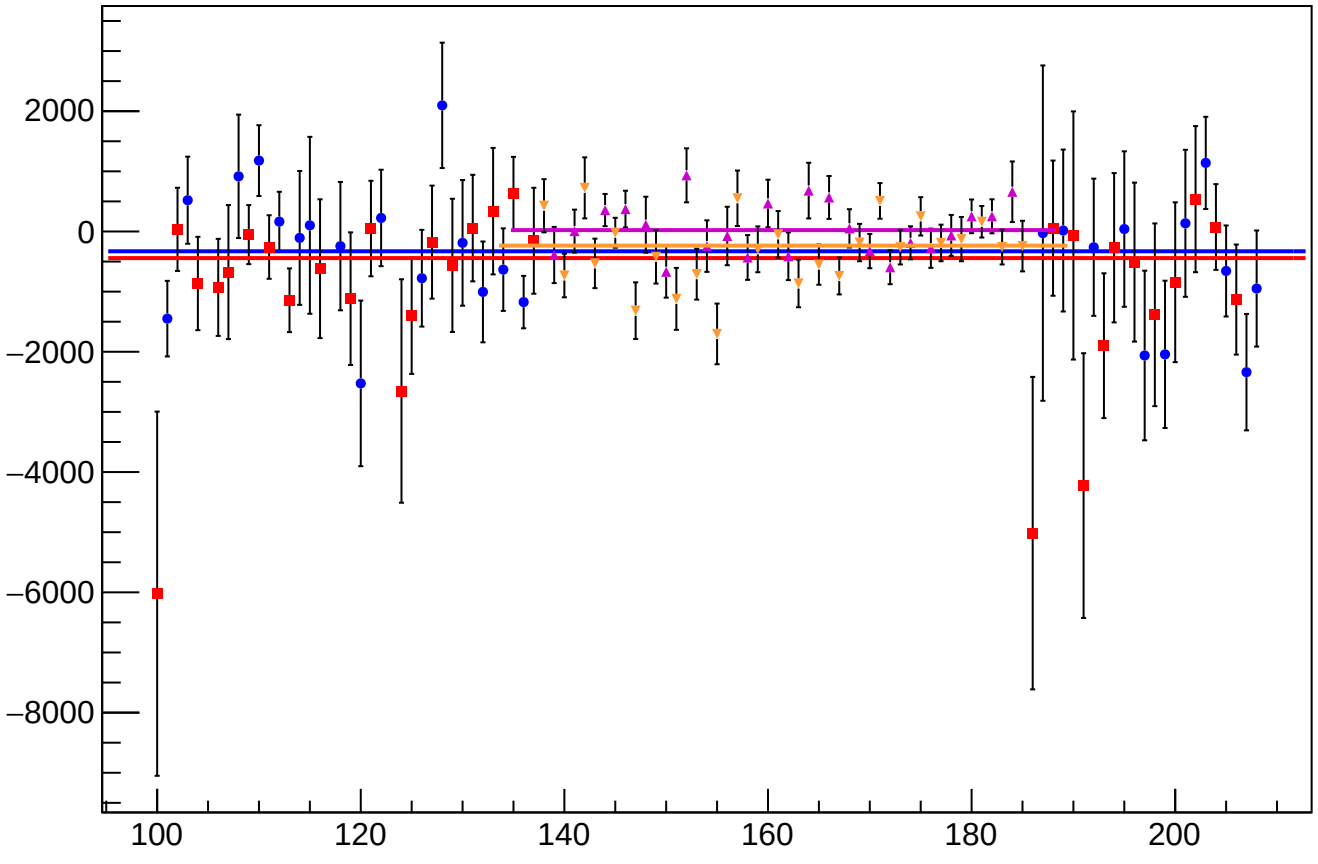
Right Out: 566.813+/-0.109 χ^2/NDF: 5927144.9/30

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 345.015+/-0.045 χ^2/NDF: 11400366.6/51

All: 346.263+/-0.032 χ^2/NDF: 23457287.0/10

- sign 347.564+/-0.046 χ^2/NDF: 12055355.4/53



Right In: -329.188+/-161.718 χ^2/NDF: 39.4/26

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -442.525+/-161.793 χ^2/NDF: 24.3/30

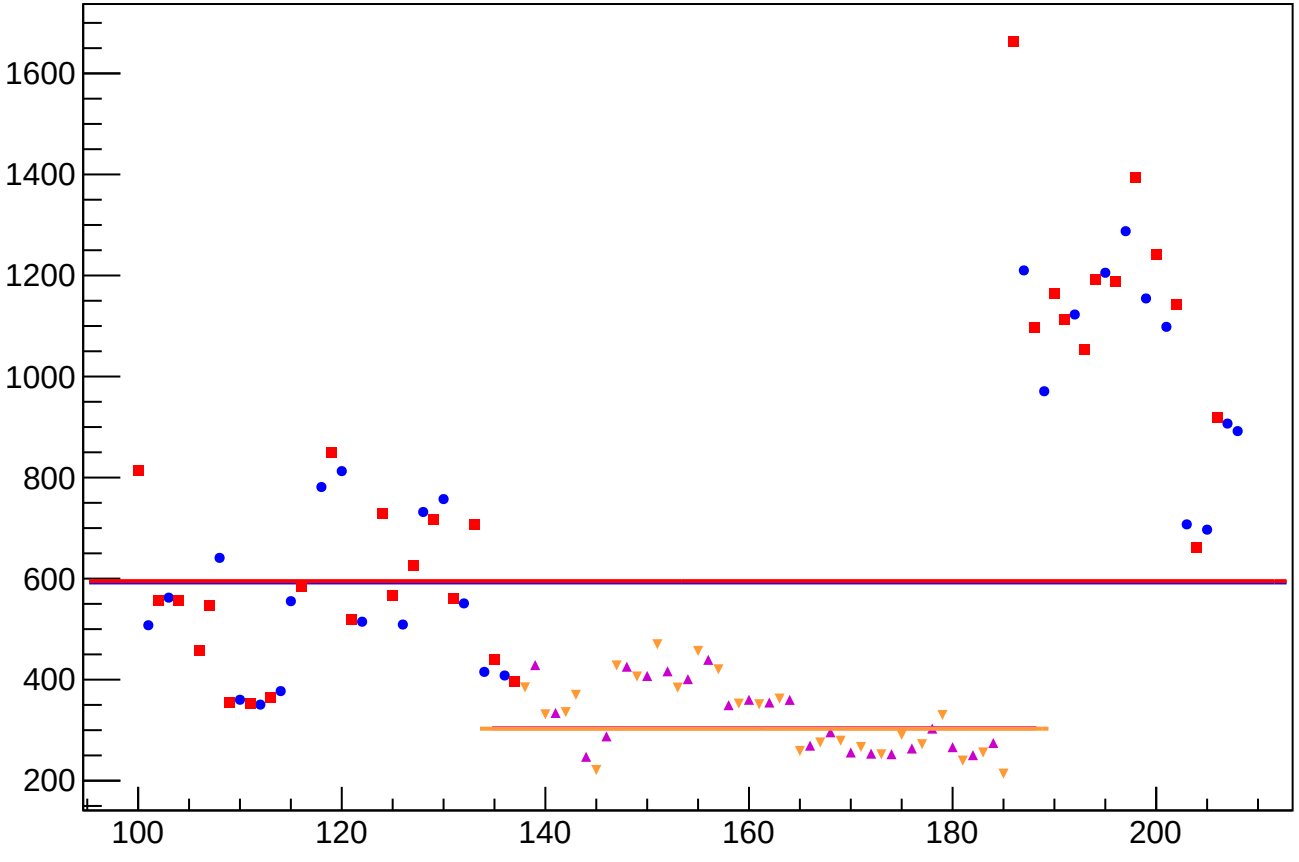
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -250.269+/-64.812 χ^2/NDF: 87.2/51

All: -154.992+/-46.335 χ^2/NDF: 152.6/105

- sign -55.381+/-66.269 χ^2/NDF: 61.0/53

asym_sam_15_37_dd_rms vs Slug



Right In: 592.423+/-0.114 χ^2/NDF: 4517087.3/26

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

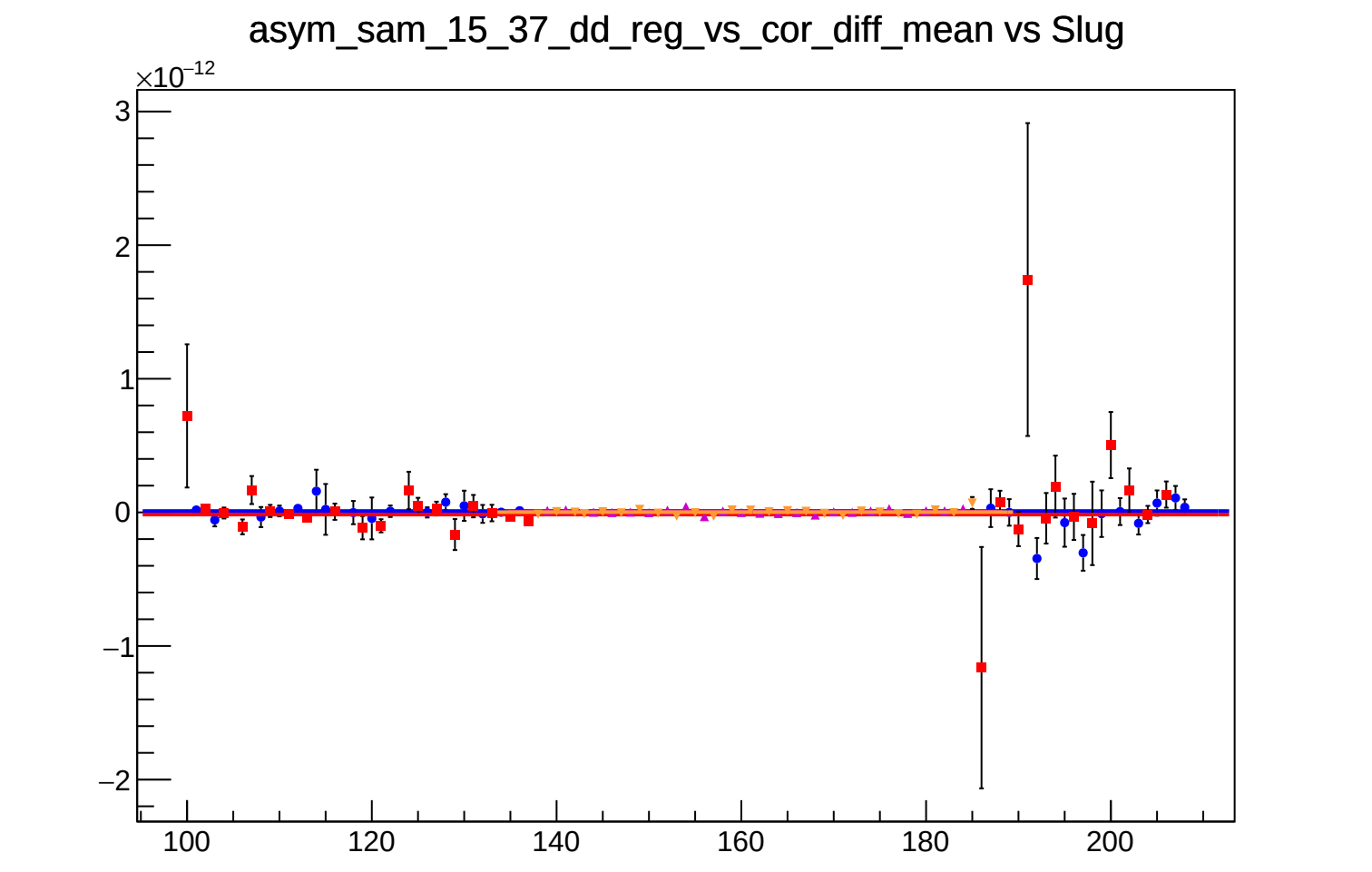
Right Out: 595.004+/-0.114 χ^2/NDF: 5638616.8/30

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 349.438+/-0.046 χ^2/NDF: 11662221.9/51

All: 351.061+/-0.033 χ^2/NDF: 24067167.3/10

- sign 352.757+/-0.047 χ^2/NDF: 12402382.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.5/30

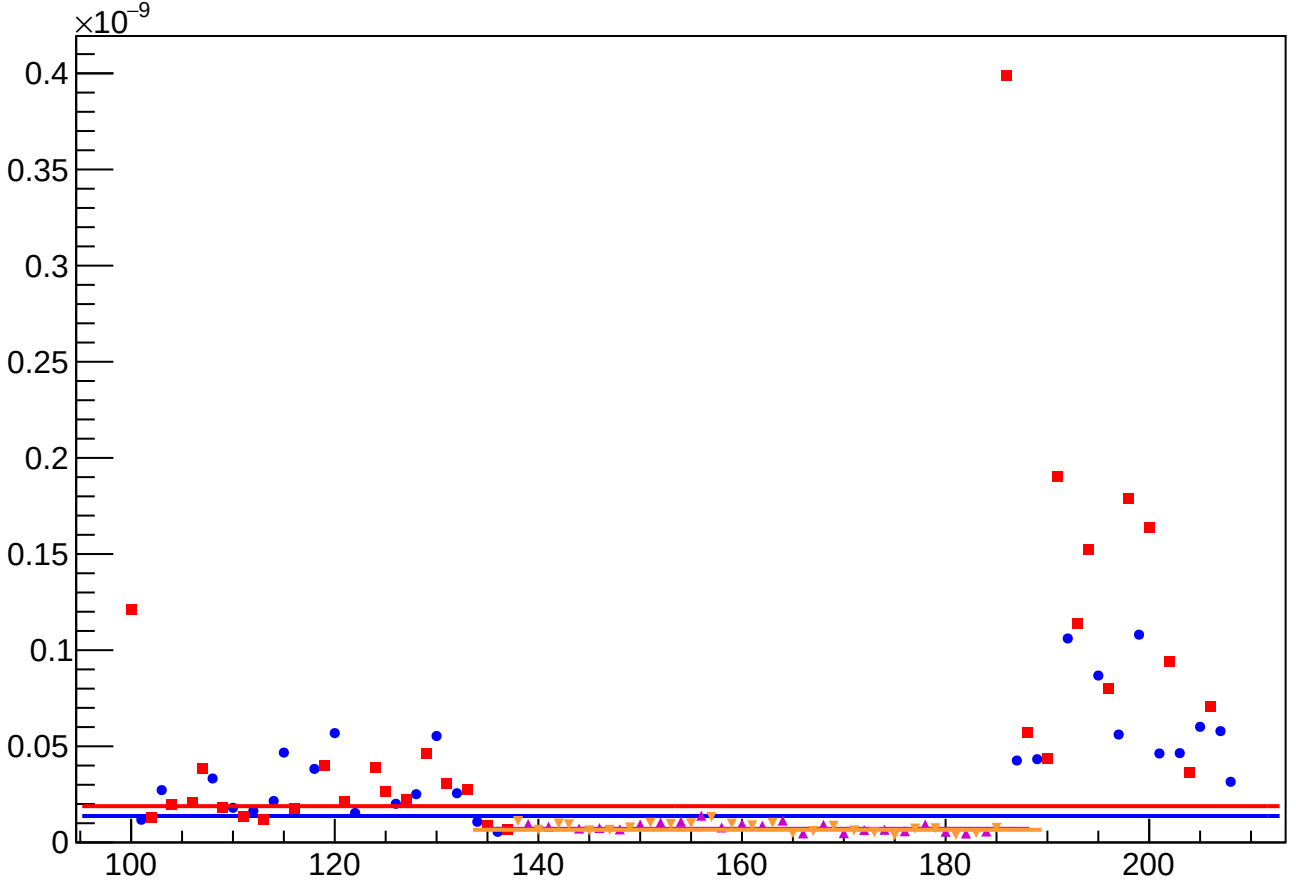
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.4/51

All: 0.000+/-0.000 χ^2/NDF: 105.1/105

- sign 0.000+/-0.000 χ^2/NDF: 61.5/53

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6059152.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

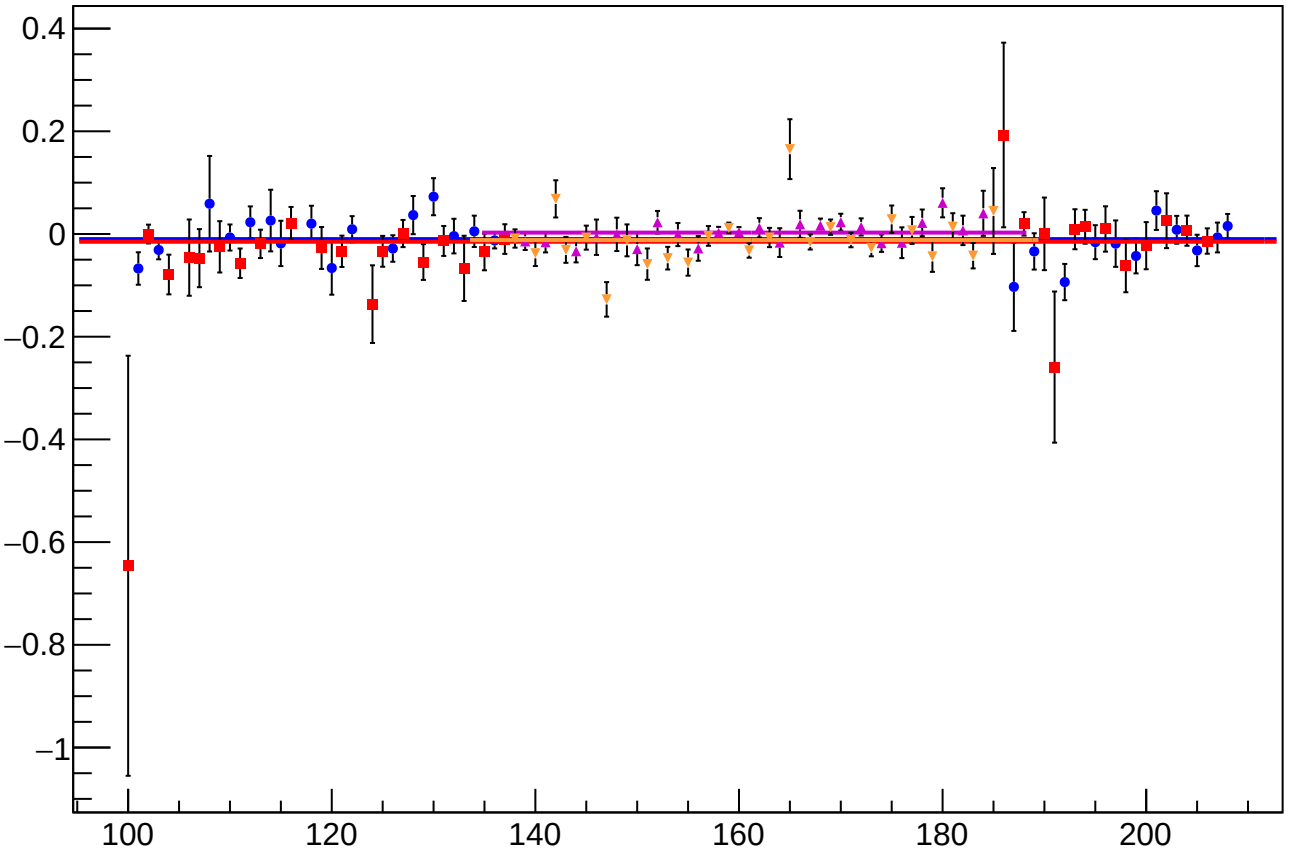
Right Out: 0.000+/-0.000 χ^2/NDF: 6014955.6/30

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9086522.7/51

All: 0.000+/-0.000 χ^2/NDF: 18761992.6/105

- sign 0.000+/-0.000 χ^2/NDF: 9609414.8/53



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/26

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.015+/-0.006 χ^2/NDF: 25.8/30

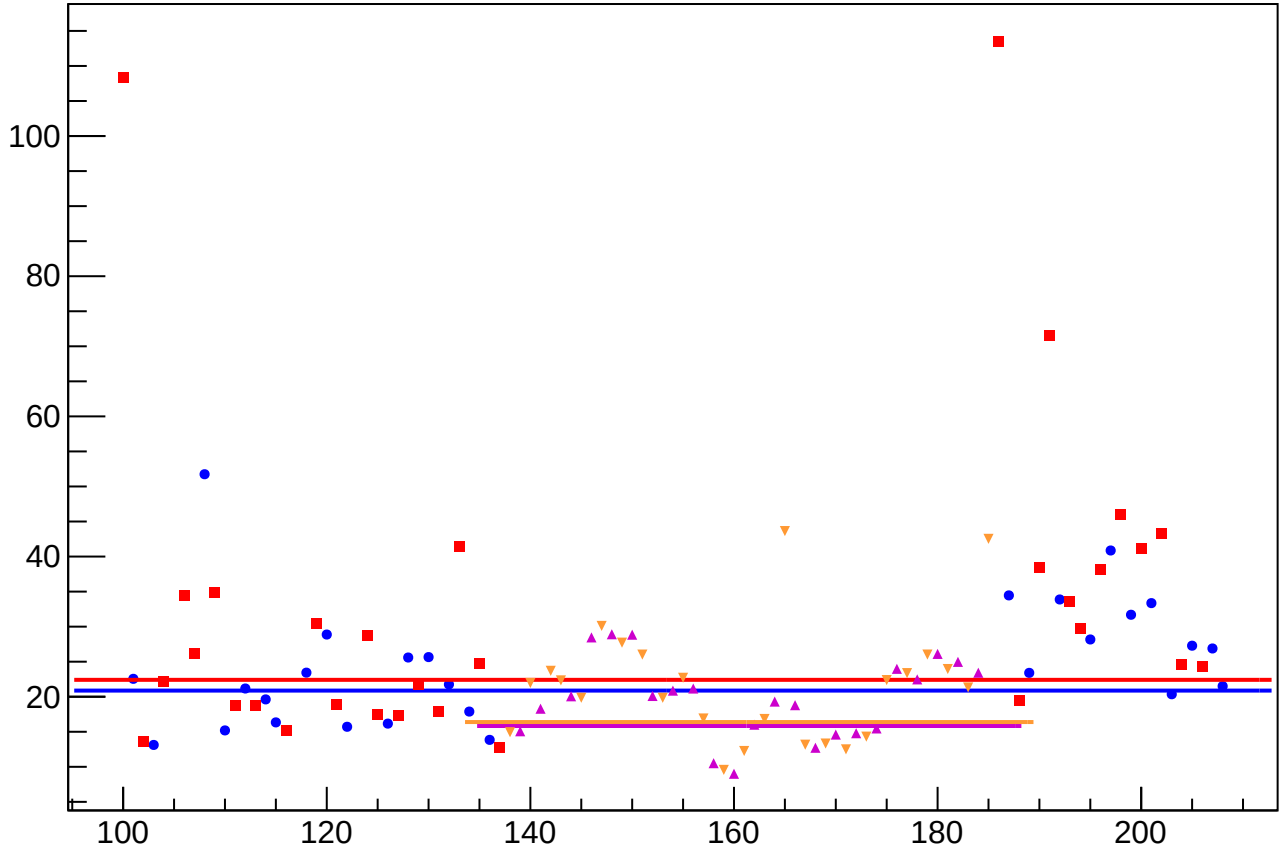
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.003 χ^2/NDF: 82.9/51

All: -0.007+/-0.002 χ^2/NDF: 137.5/105

- sign -0.002+/-0.003 χ^2/NDF: 51.2/53

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.876+/-0.004 χ^2/NDF: 2827780.8/26

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

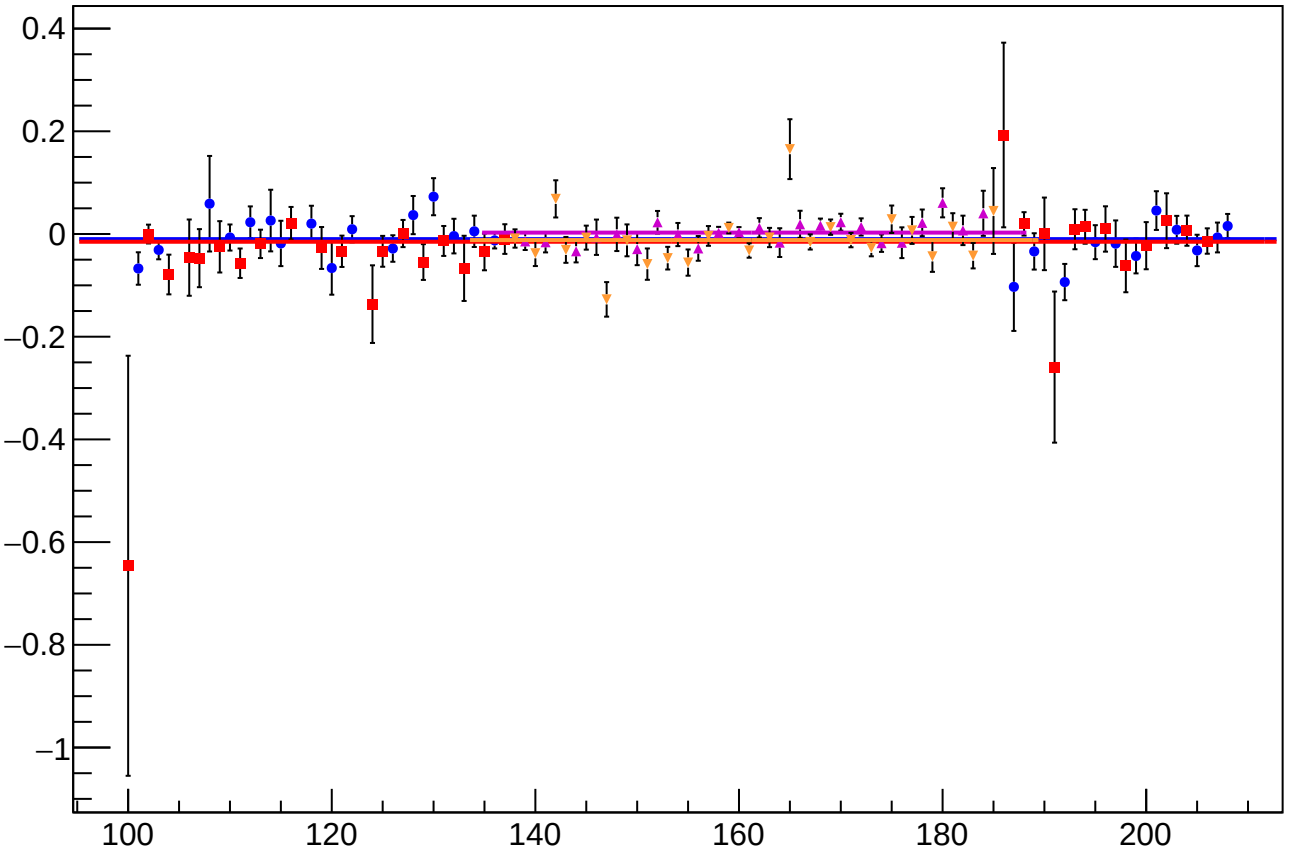
Right Out: 22.410+/-0.004 χ^2/NDF: 4095278.7/30

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 17.857+/-0.002 χ^2/NDF: 7655616.4/51

All: 17.795+/-0.002 χ^2/NDF: 16945947.7/105

- sign 17.731+/-0.002 χ^2/NDF: 9288934.9/53



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/26

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

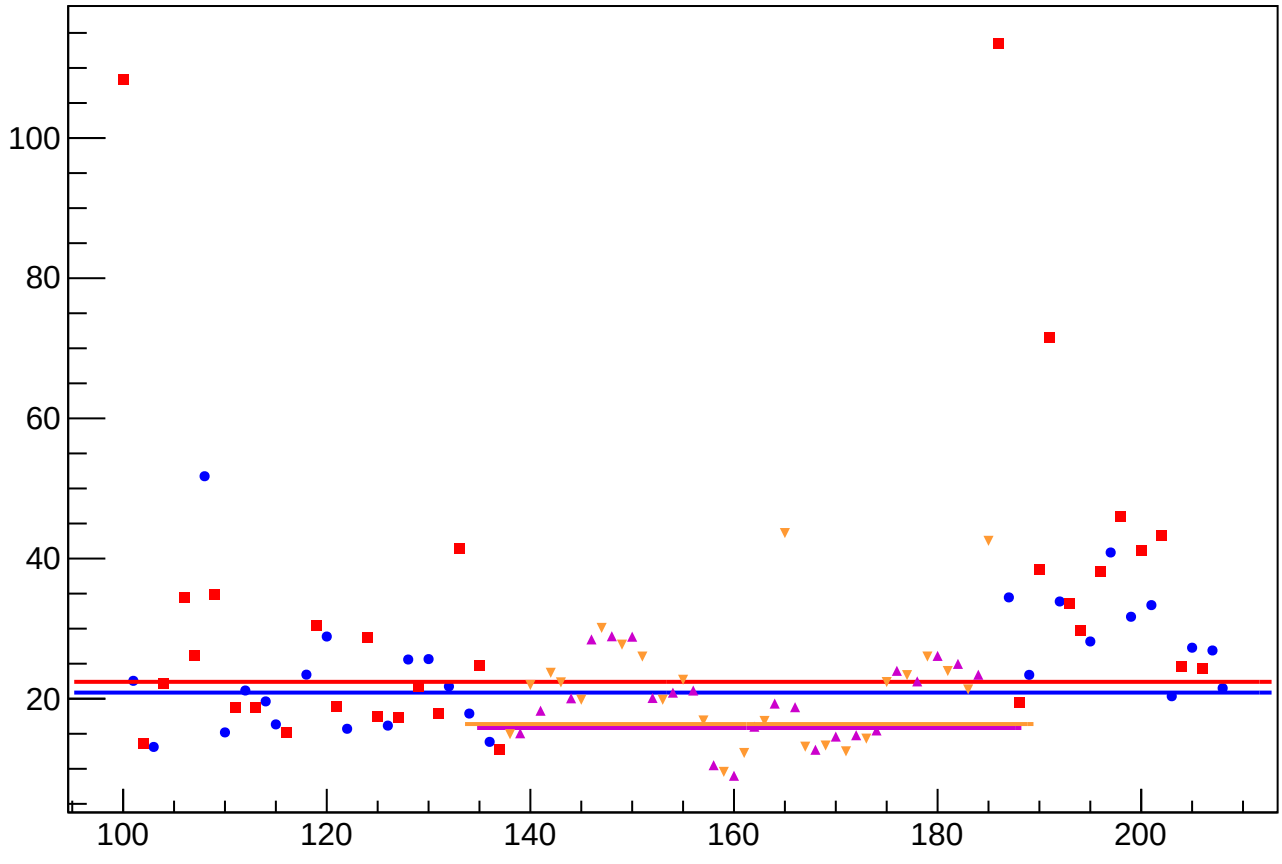
Right Out: -0.015+/-0.006 χ^2/NDF: 25.8/30

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.003 χ^2/NDF: 82.9/51

All: -0.007+/-0.002 χ^2/NDF: 137.5/105

- sign -0.002+/-0.003 χ^2/NDF: 51.2/53



Right In: 20.876+/-0.004 χ^2/NDF: 2827780.8/26

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

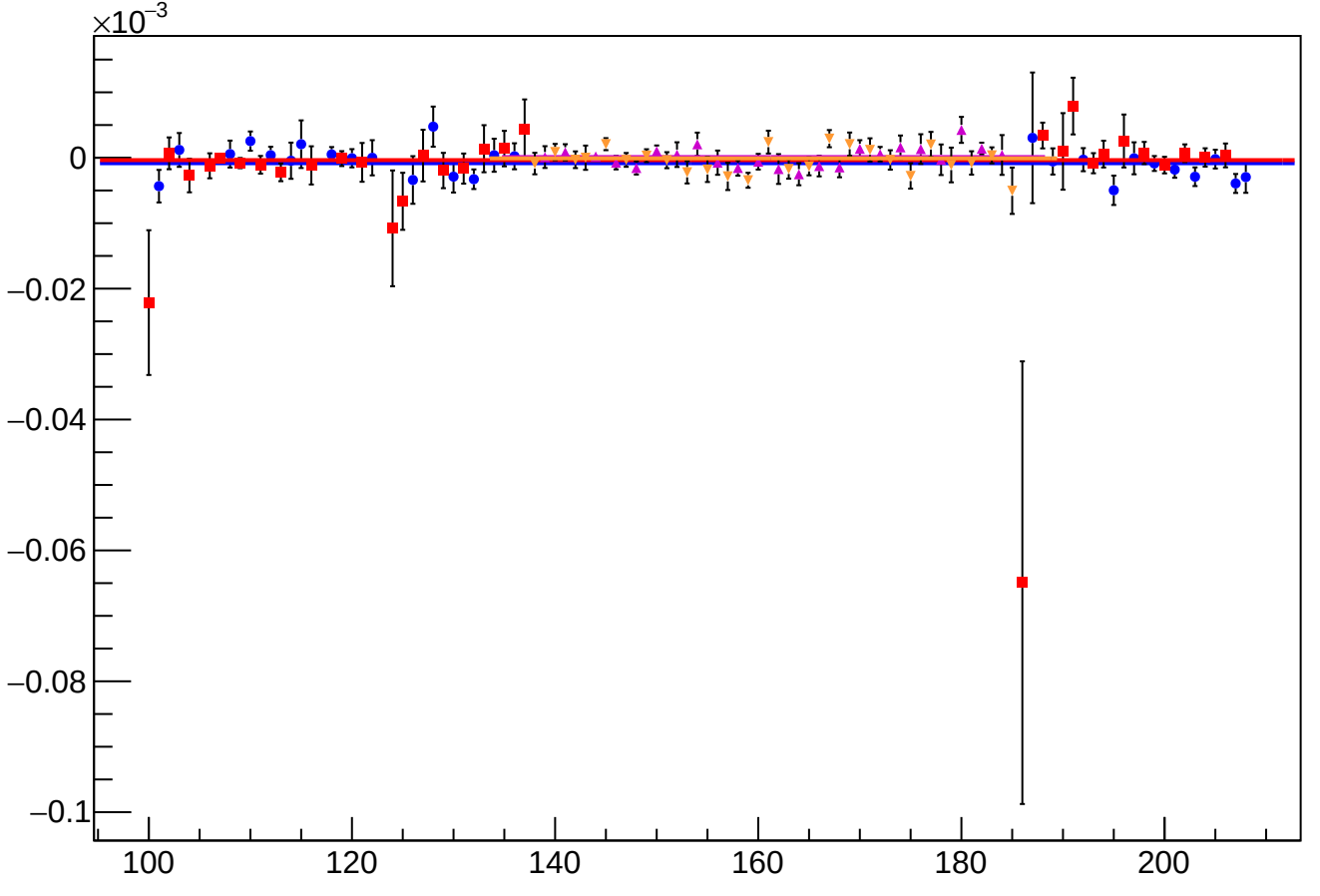
Right Out: 22.410+/-0.004 χ^2/NDF: 4095278.7/30

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 17.857+/-0.002 χ^2/NDF: 7655616.4/51

All: 17.795+/-0.002 χ^2/NDF: 16945947.7/105

- sign 17.731+/-0.002 χ^2/NDF: 9288934.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/30

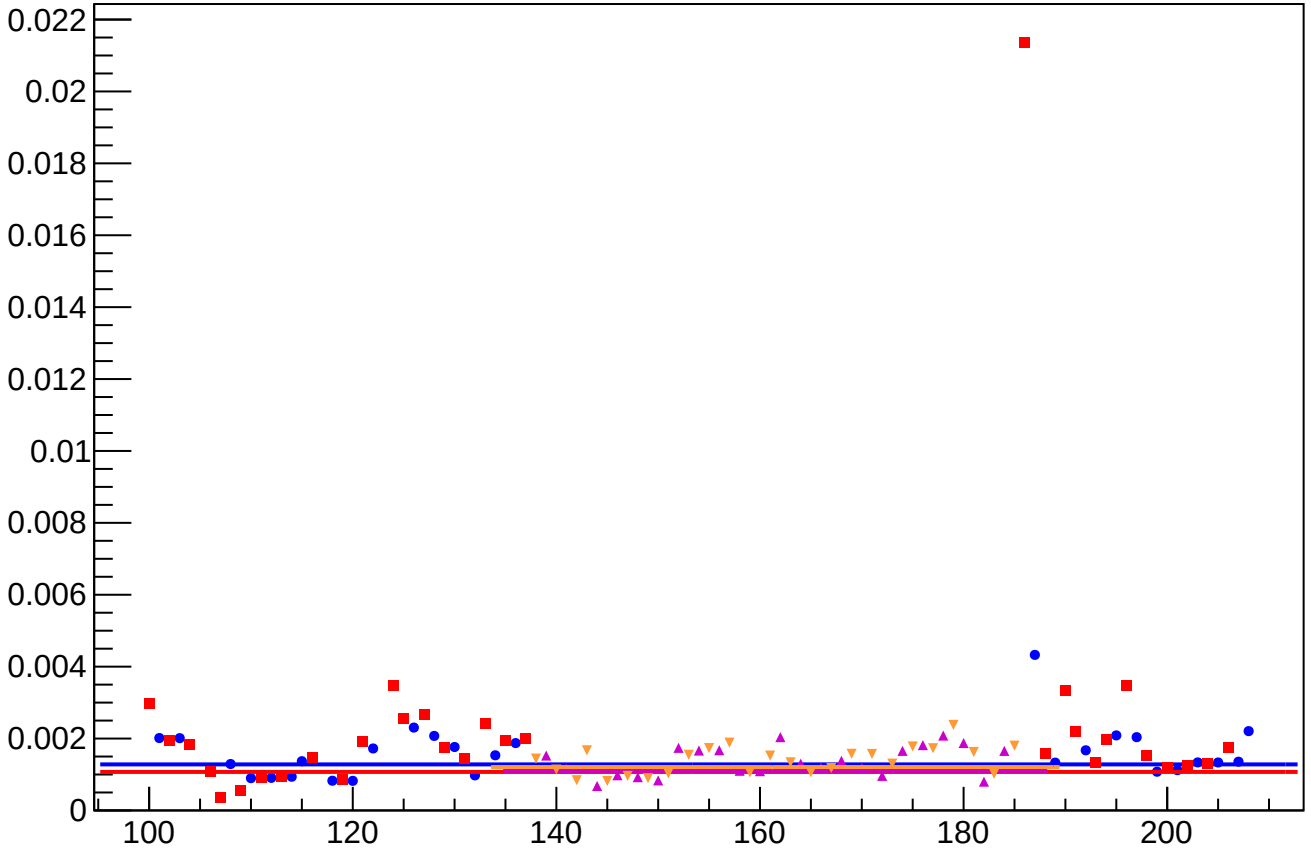
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.3/51

All: -0.000+/-0.000 χ^2/NDF: 121.7/105

- sign -0.000+/-0.000 χ^2/NDF: 50.4/53

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3058076.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

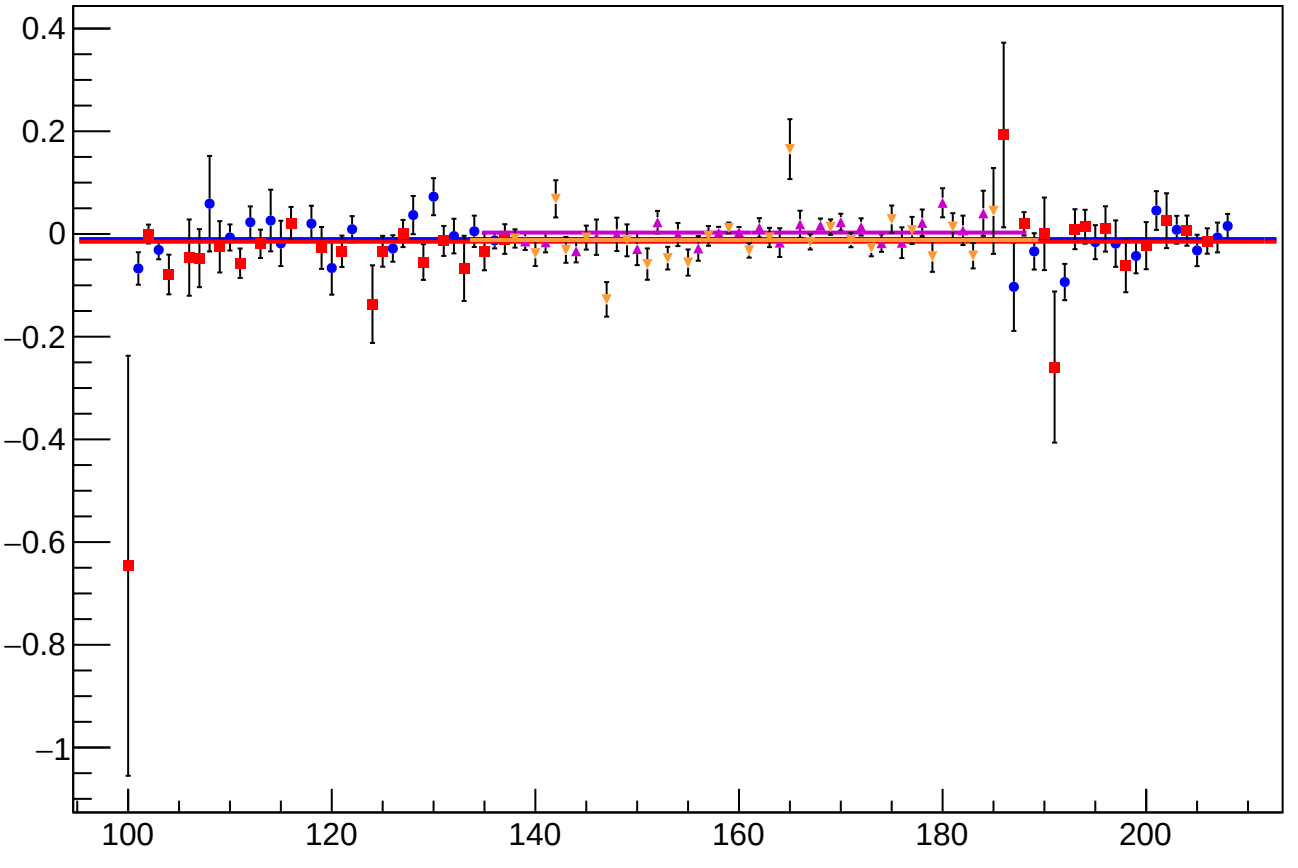
Right Out: 0.001+/-0.000 χ^2/NDF: 7965371.2/30

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 5832343.3/51

All: 0.001+/-0.000 χ^2/NDF: 17785559.9/105

- sign 0.001+/-0.000 χ^2/NDF: 11472345.9/53



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/26

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

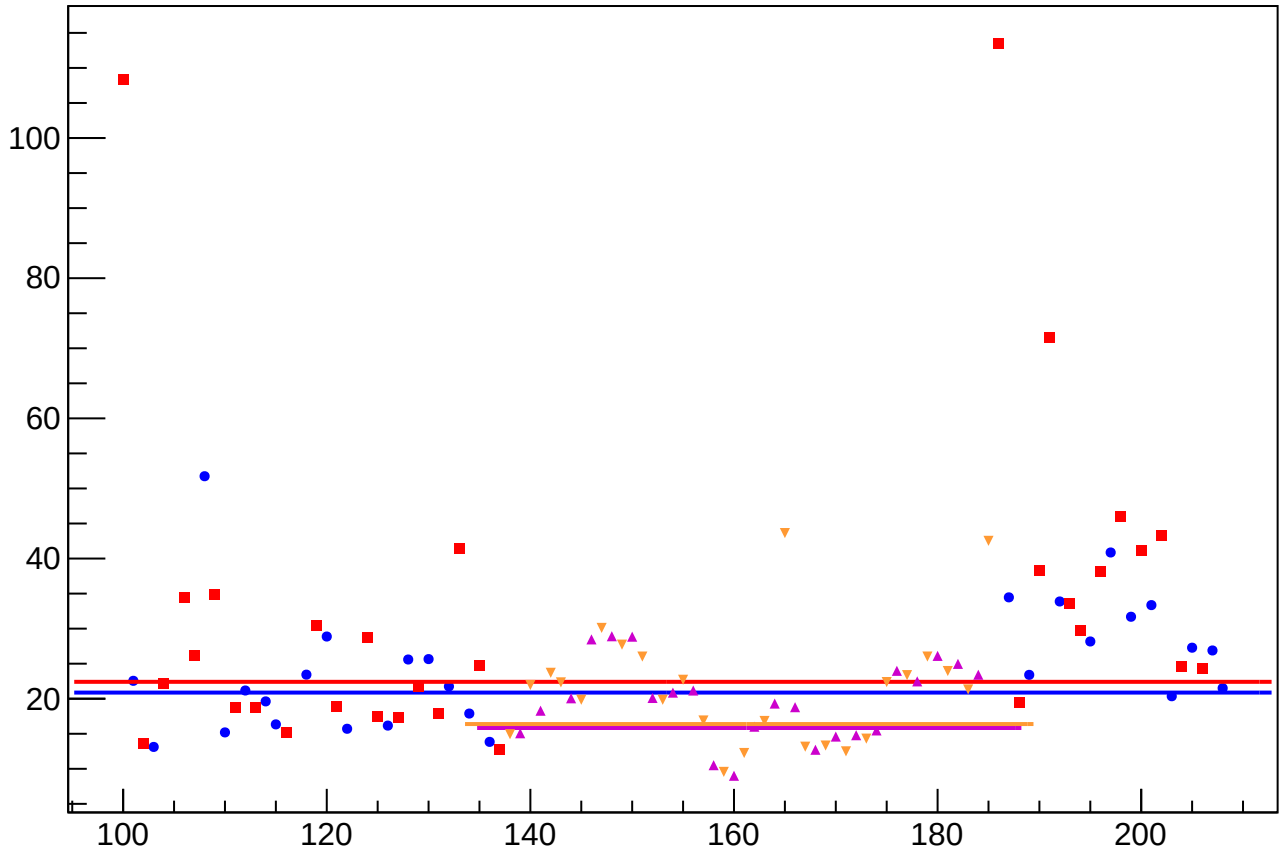
Right Out: -0.015+/-0.006 χ^2/NDF: 25.8/30

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.003 χ^2/NDF: 82.9/51

All: -0.007+/-0.002 χ^2/NDF: 137.4/105

- sign -0.002+/-0.003 χ^2/NDF: 51.2/53



Right In: 20.876+/-0.004 χ^2/NDF: 2827794.7/26

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

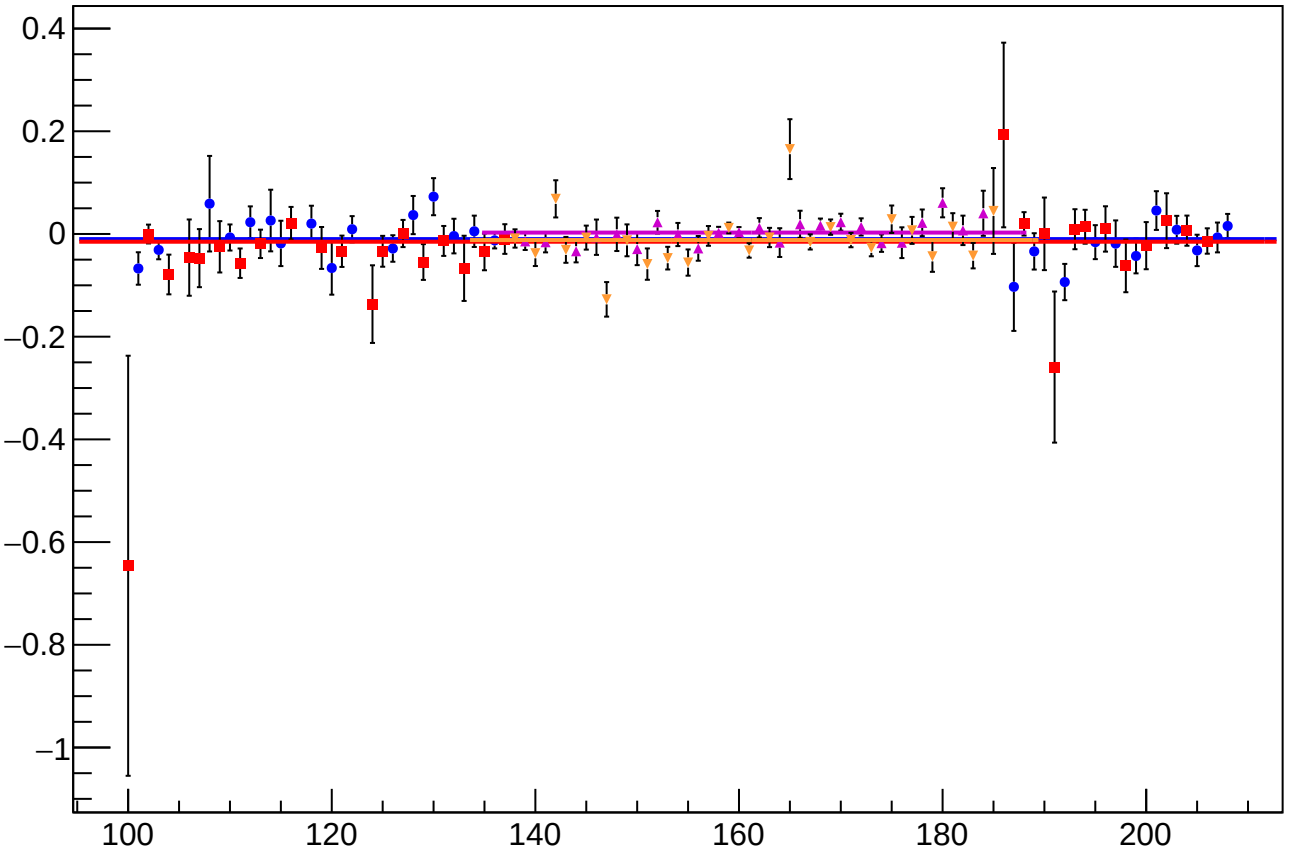
Right Out: 22.411+/-0.004 χ^2/NDF: 4095009.1/30

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.857+/-0.002 χ^2/NDF: 7655969.9/51

All: 17.795+/-0.002 χ^2/NDF: 16946728.9/105

- sign 17.731+/-0.002 χ^2/NDF: 9289363.3/53



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/26

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

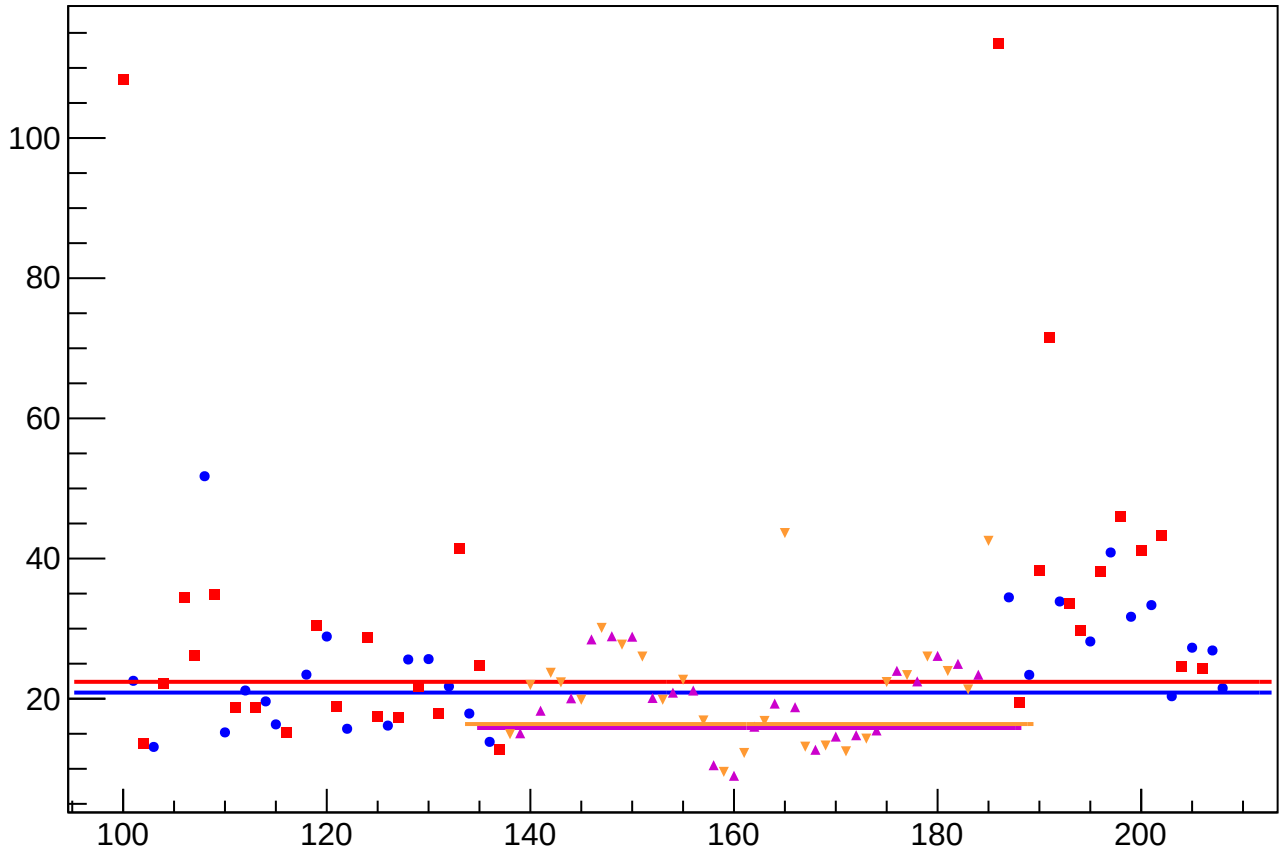
Right Out: -0.015+/-0.006 χ^2/NDF: 25.8/30

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.003 χ^2/NDF: 82.9/51

All: -0.007+/-0.002 χ^2/NDF: 137.4/105

- sign -0.002+/-0.003 χ^2/NDF: 51.2/53



Right In: 20.876+/-0.004 χ^2/NDF: 2827794.7/26

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

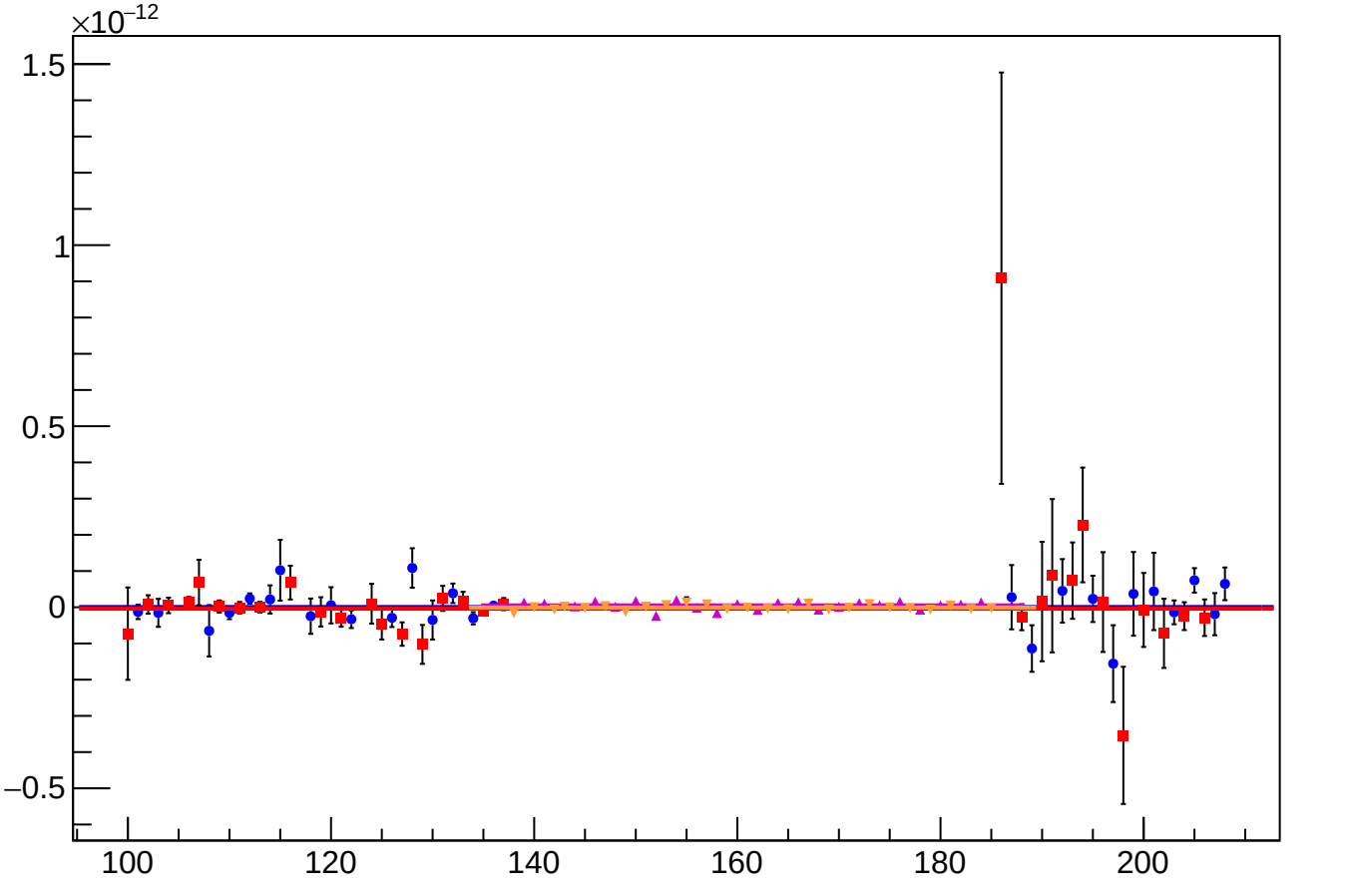
Right Out: 22.411+/-0.004 χ^2/NDF: 4095009.1/30

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

\+ sign 17.857+/-0.002 χ^2/NDF: 7655969.9/51

All: 17.795+/-0.002 χ^2/NDF: 16946728.9/105

\- sign 17.731+/-0.002 χ^2/NDF: 9289363.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 33.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

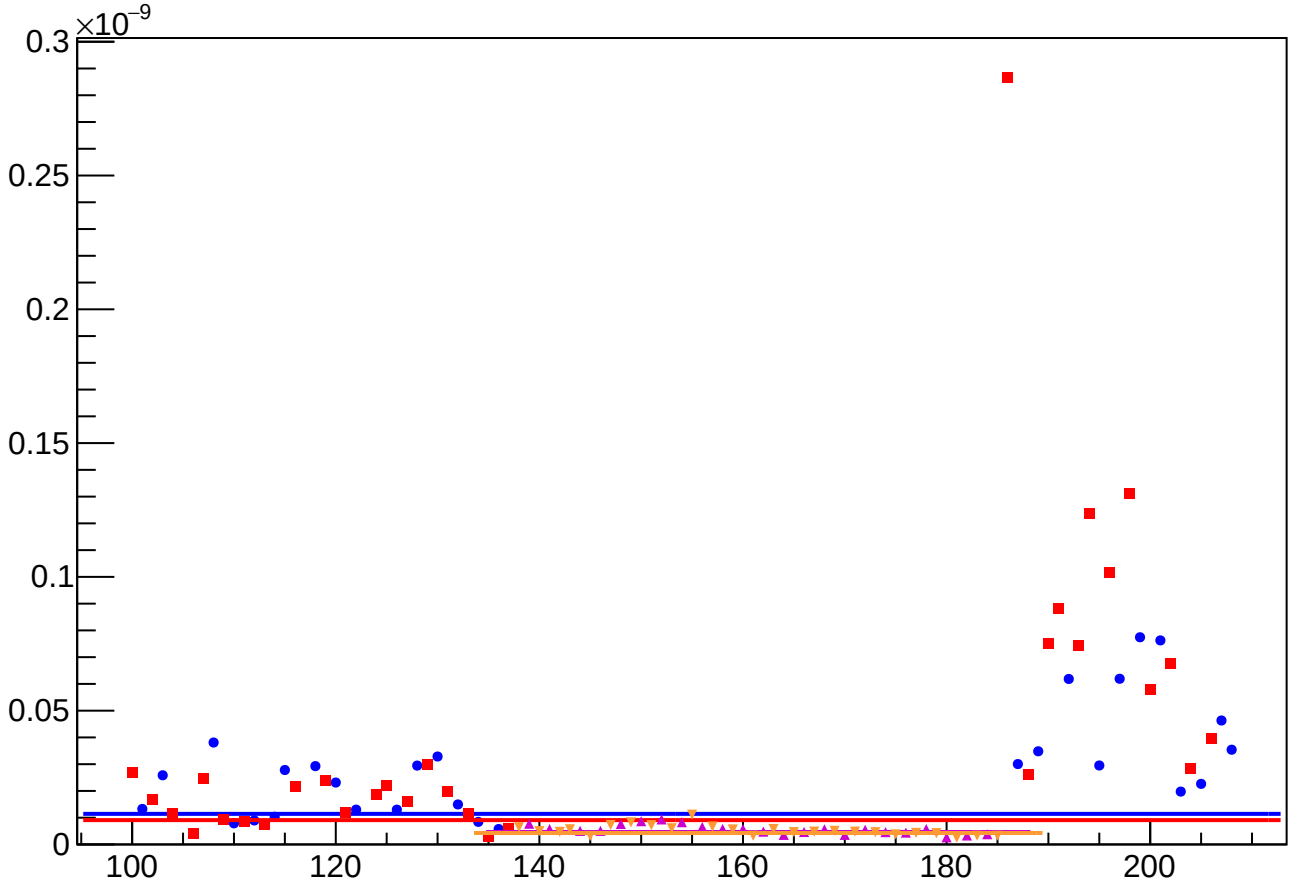
Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/30

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

+ sign -0.000+/-0.000 χ^2/NDF: 52.7/51

All: 0.000+/-0.000 χ^2/NDF: 132.0/105

- sign 0.000+/-0.000 χ^2/NDF: 71.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 7555727.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10816872.1/30

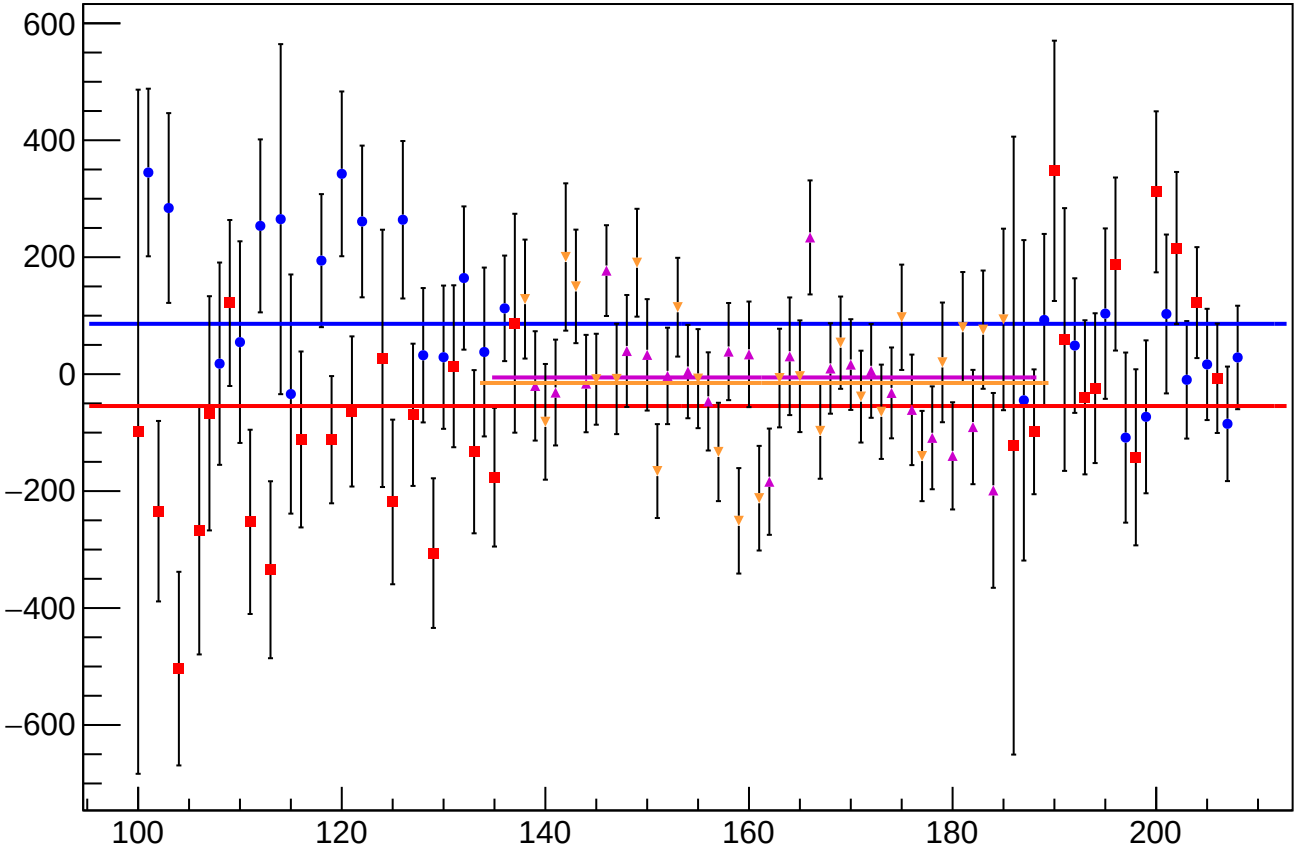
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14210667.9/51

All: 0.000+/-0.000 χ^2/NDF: 29461604.6/105

- sign 0.000+/-0.000 χ^2/NDF: 15189249.2/53

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 86.061+/-24.693 χ^2/NDF: 24.3/26

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -54.508+/-25.555 χ^2/NDF: 46.2/30

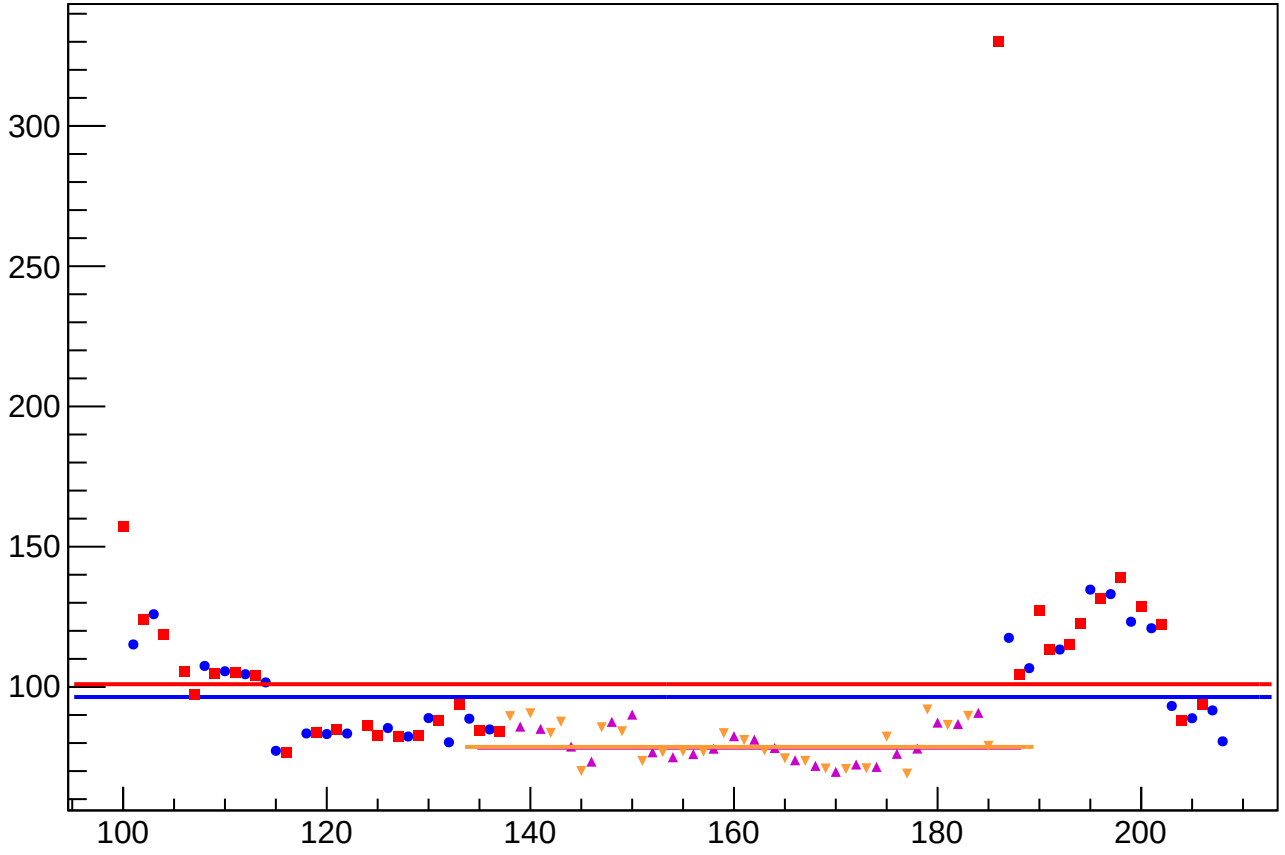
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 19.892+/-14.523 χ^2/NDF: 76.9/51

All: -0.630+/-10.408 χ^2/NDF: 152.6/105

- sign -22.296+/-14.922 χ^2/NDF: 71.6/53

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 96.406+/-0.017 χ^2/NDF: 889302.1/26

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

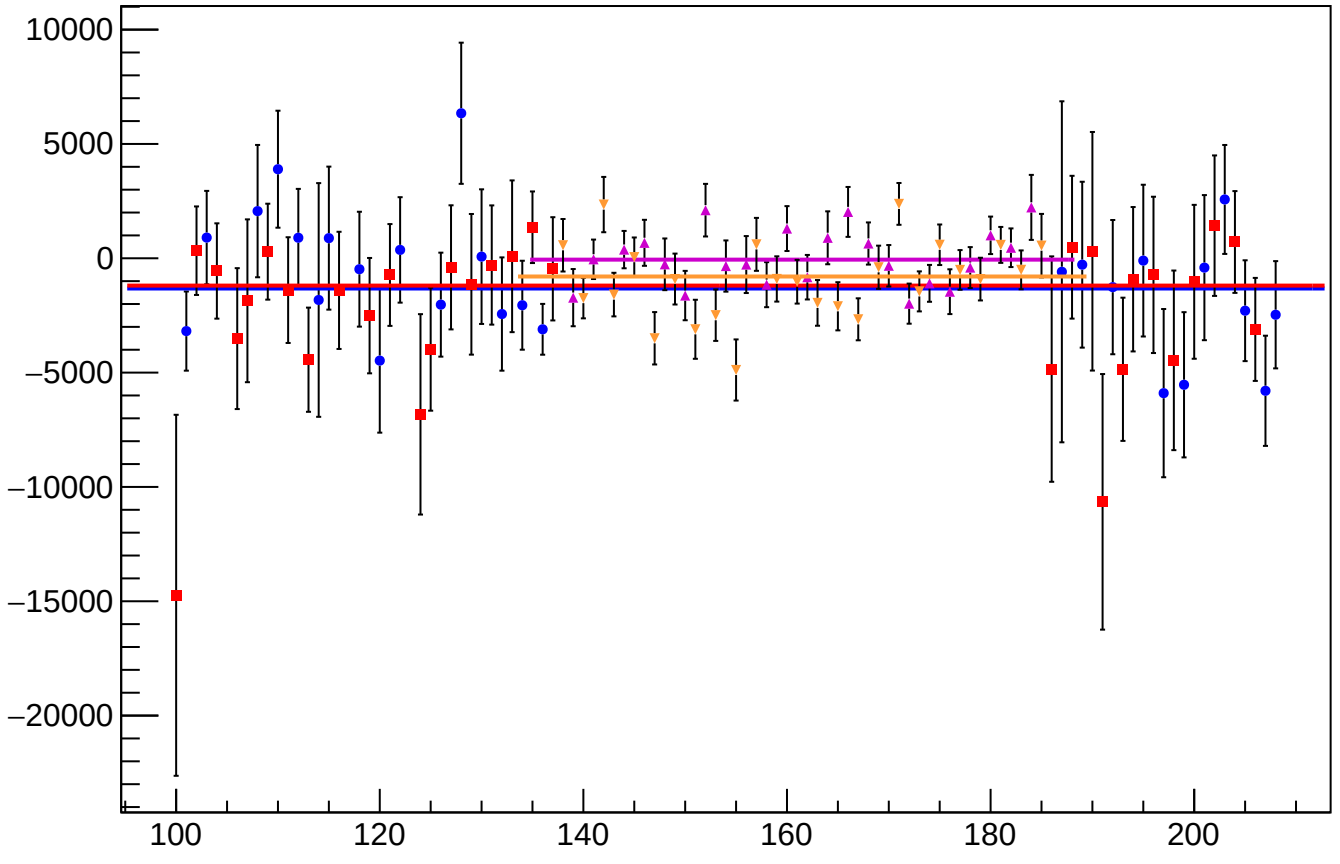
Right Out: 100.978+/-0.018 χ^2/NDF: 1323576.7/30

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.771+/-0.010 χ^2/NDF: 1875405.0/51

All: 85.396+/-0.007 χ^2/NDF: 4450538.6/105

- sign 86.055+/-0.011 χ^2/NDF: 2567531.0/53



Right In: -1321.904+/-465.626 χ^2/NDF: 30.7/26

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

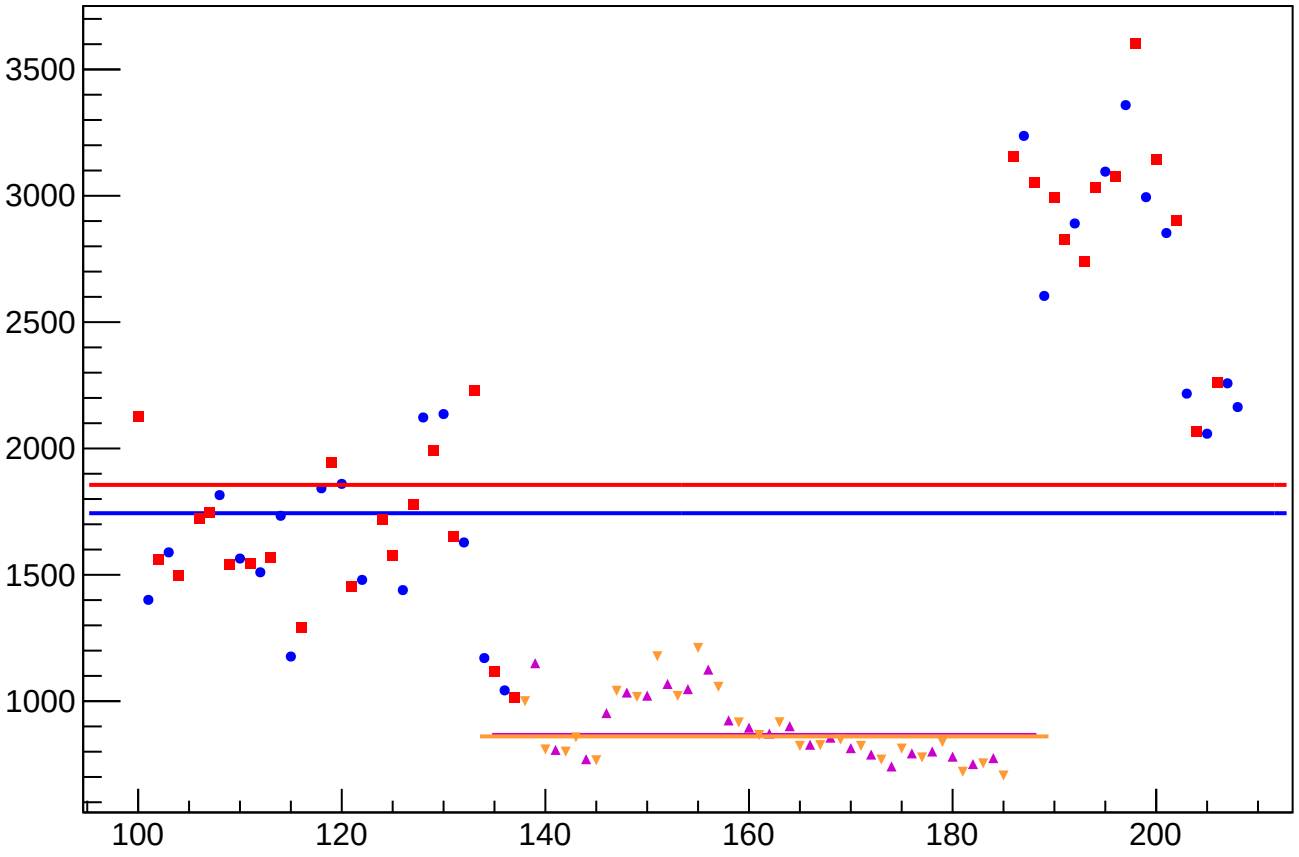
Right Out: -1194.896+/-485.198 χ^2/NDF: 21.0/30

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -877.301+/-182.120 χ^2/NDF: 91.2/51

All: -564.939+/-130.941 χ^2/NDF: 153.4/105

- sign -230.675+/-188.396 χ^2/NDF: 56.1/53



Right In: 1743.838+/-0.329 χ^2/NDF: 3342971.2/26

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1855.889+/-0.343 χ^2/NDF: 3466595.6/30

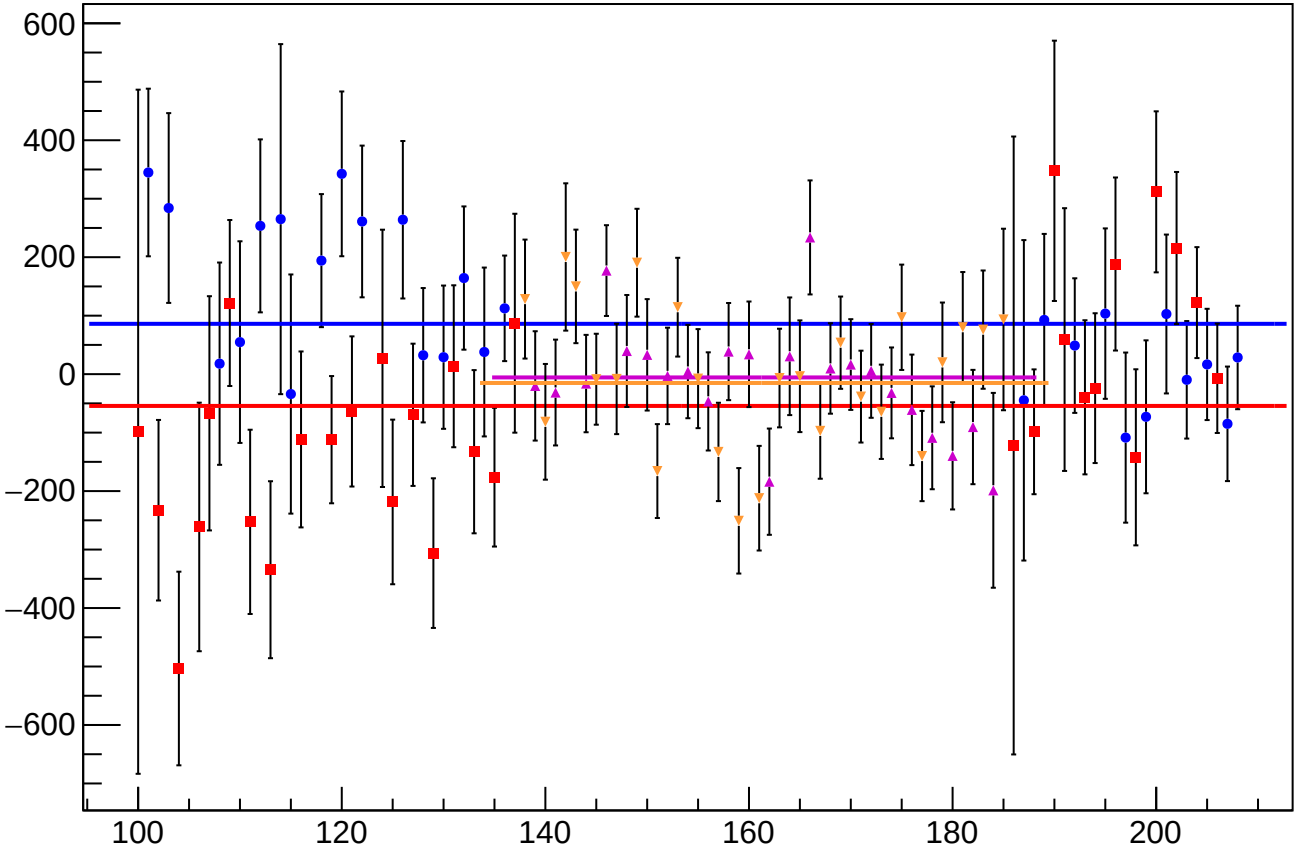
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 995.628+/-0.129 χ^2/NDF: 10139132.0/51

All: 1005.247+/-0.093 χ^2/NDF: 21295058.8/1

- sign 1015.541+/-0.133 χ^2/NDF: 11144376.1/53

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 86.054+/-24.693 χ^2/NDF: 24.3/26

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -54.362+/-25.556 χ^2/NDF: 46.1/30

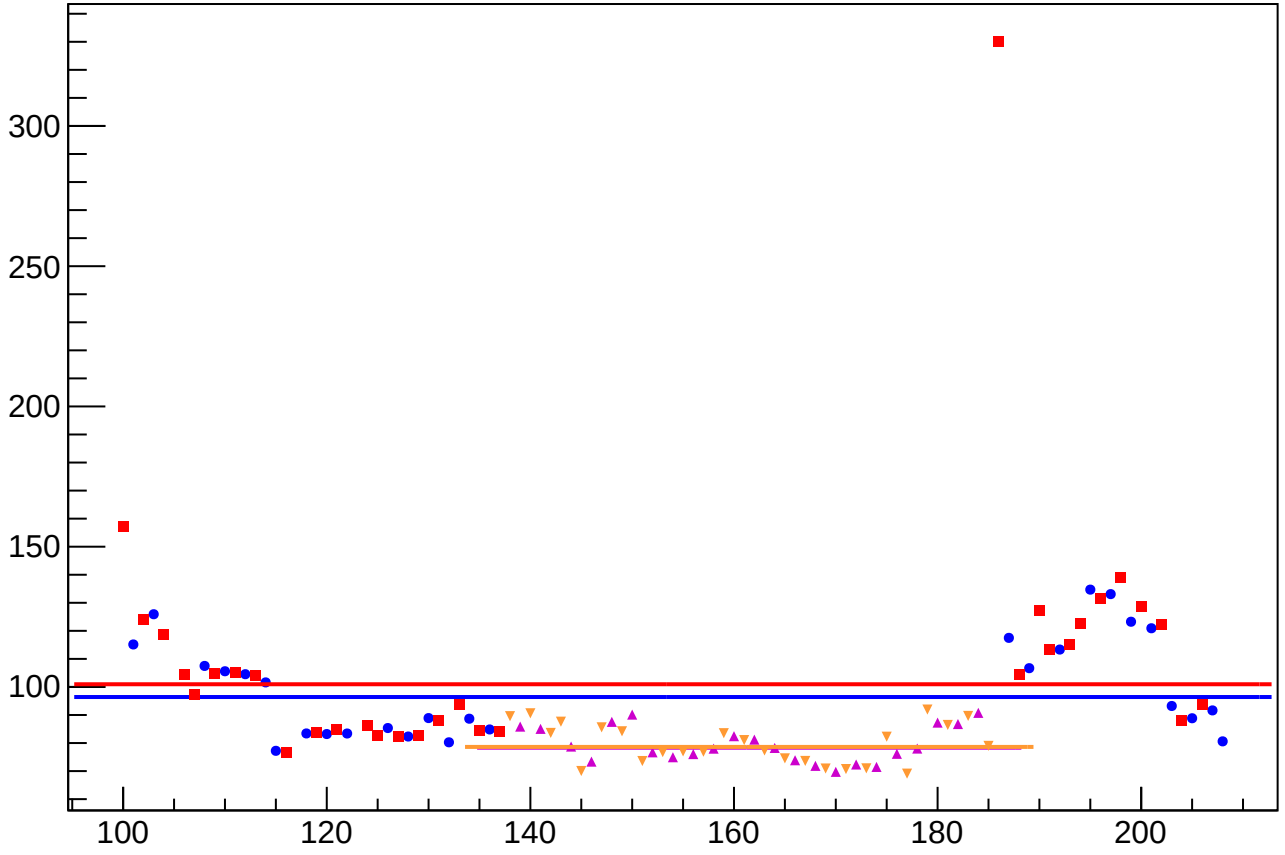
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 19.891+/-14.523 χ^2/NDF: 76.9/51

All: -0.604+/-10.408 χ^2/NDF: 152.5/105

- sign -22.243+/-14.922 χ^2/NDF: 71.5/53

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 96.406+/-0.017 χ^2/NDF: 889303.7/26

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

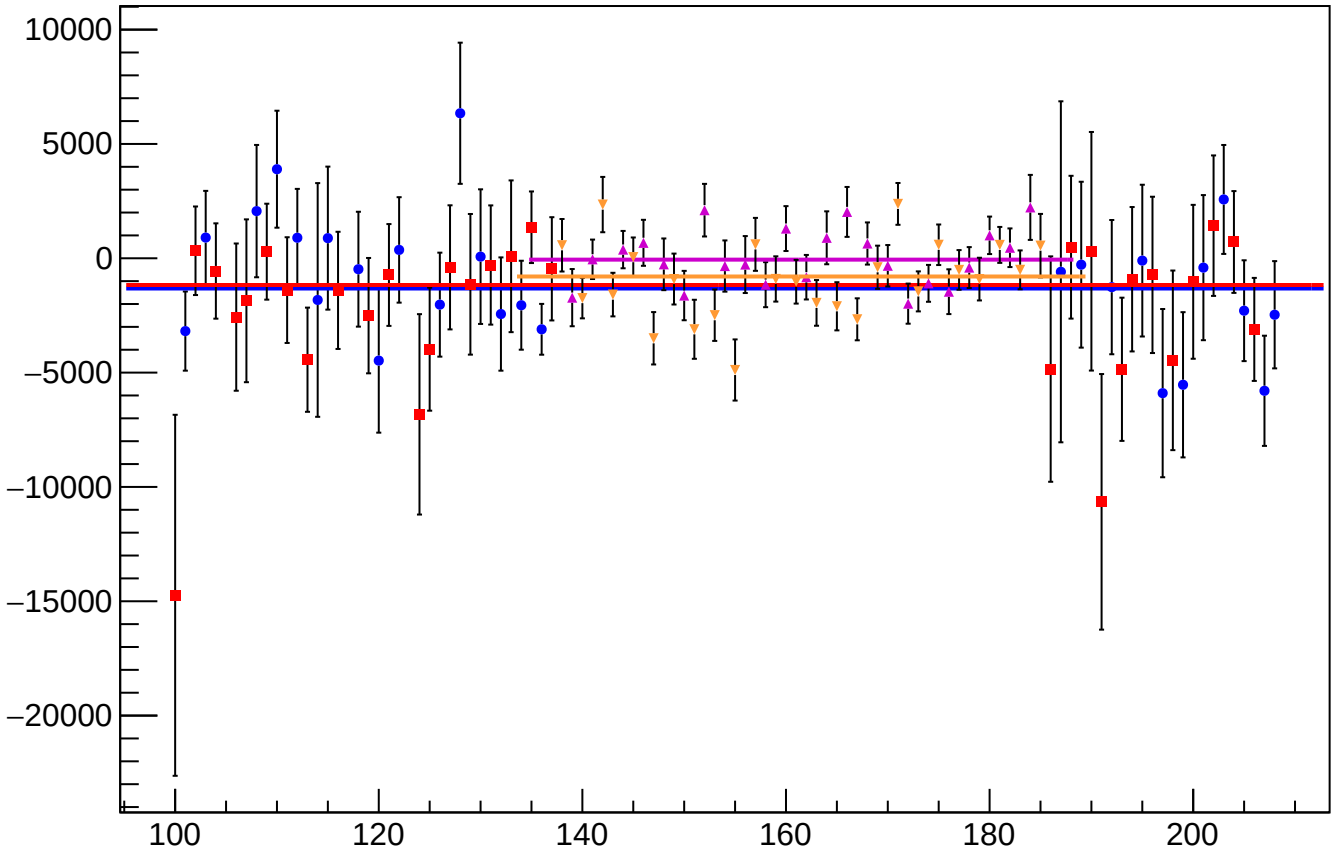
Right Out: 100.960+/-0.018 χ^2/NDF: 1323294.9/30

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

\+ sign 84.771+/-0.010 χ^2/NDF: 1875406.9/51

All: 85.393+/-0.007 χ^2/NDF: 4448505.7/105

\- sign 86.049+/-0.011 χ^2/NDF: 2565572.3/53



Right In: -1321.890+/-465.627 χ^2/NDF: 30.7/26

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

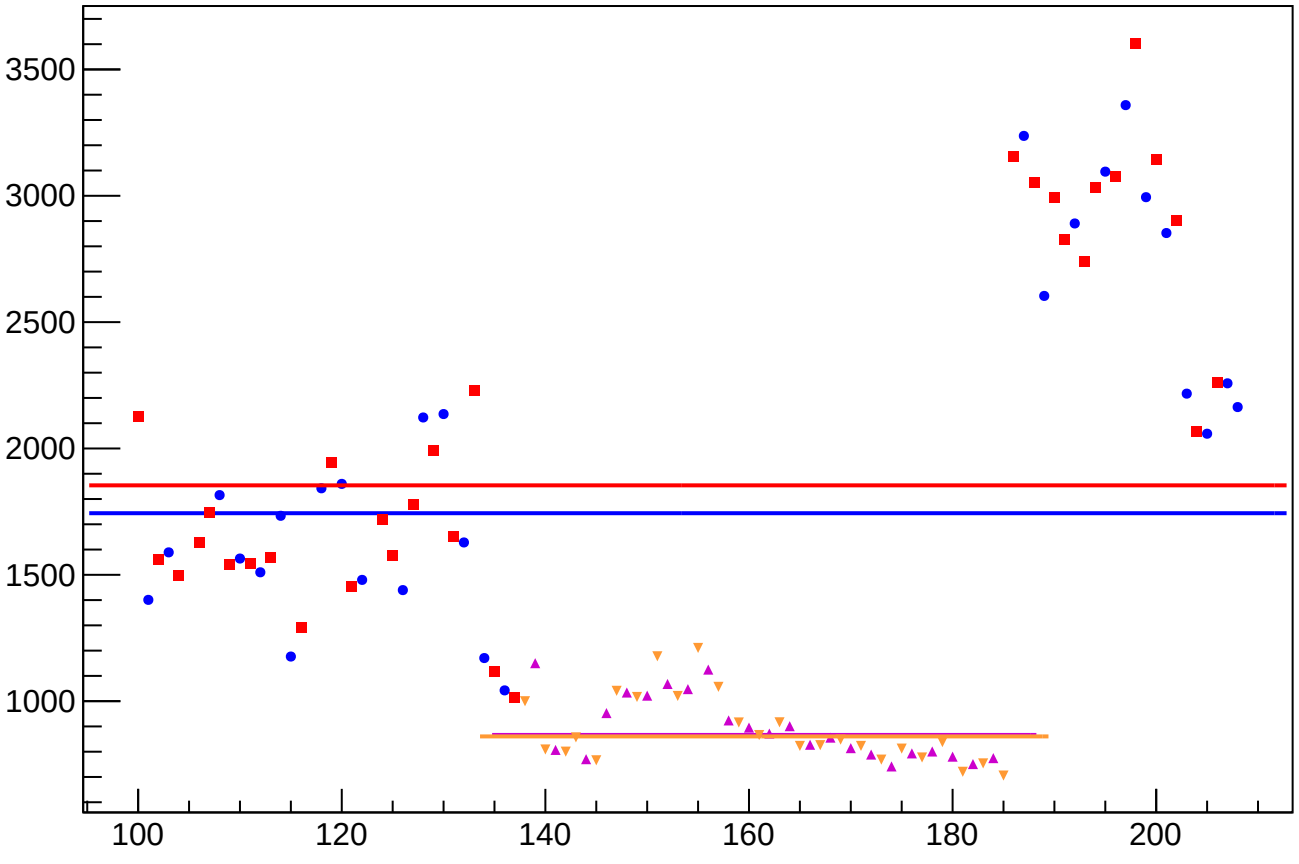
Right Out: -1168.950+/-485.718 χ^2/NDF: 20.6/30

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -877.298+/-182.120 χ^2/NDF: 91.2/51

All: -562.954+/-130.951 χ^2/NDF: 152.9/105

- sign -226.460+/-188.427 χ^2/NDF: 55.5/53



Right In: 1743.841+/-0.329 χ^2/NDF: 3342962.0/26

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1854.084+/-0.343 χ^2/NDF: 3472557.8/30

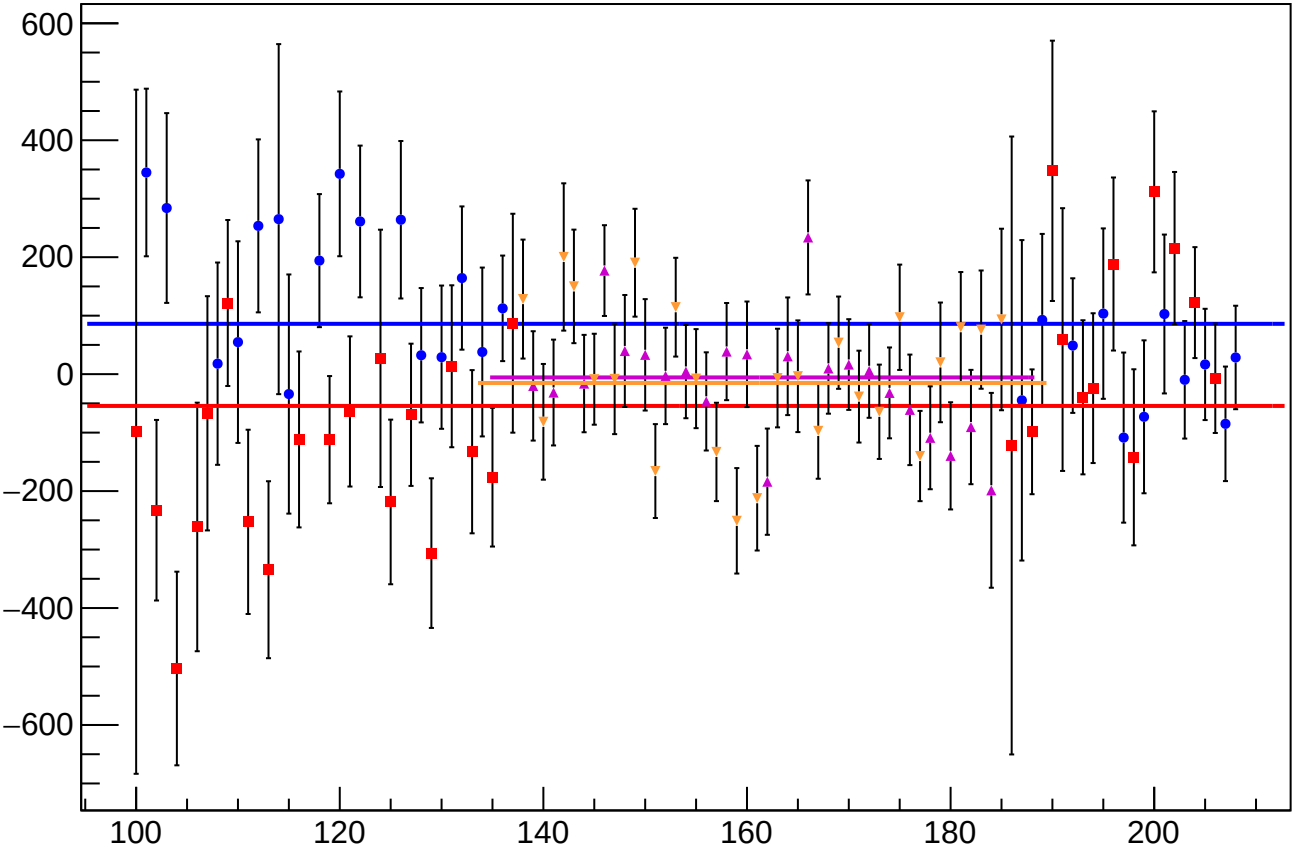
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 995.628+/-0.129 χ^2/NDF: 10139151.9/51

All: 1004.984+/-0.093 χ^2/NDF: 21261882.1/1

- sign 1014.999+/-0.133 χ^2/NDF: 11111802.0/53

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 86.054+/-24.693 χ^2/NDF: 24.3/26

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -54.362+/-25.556 χ^2/NDF: 46.1/30

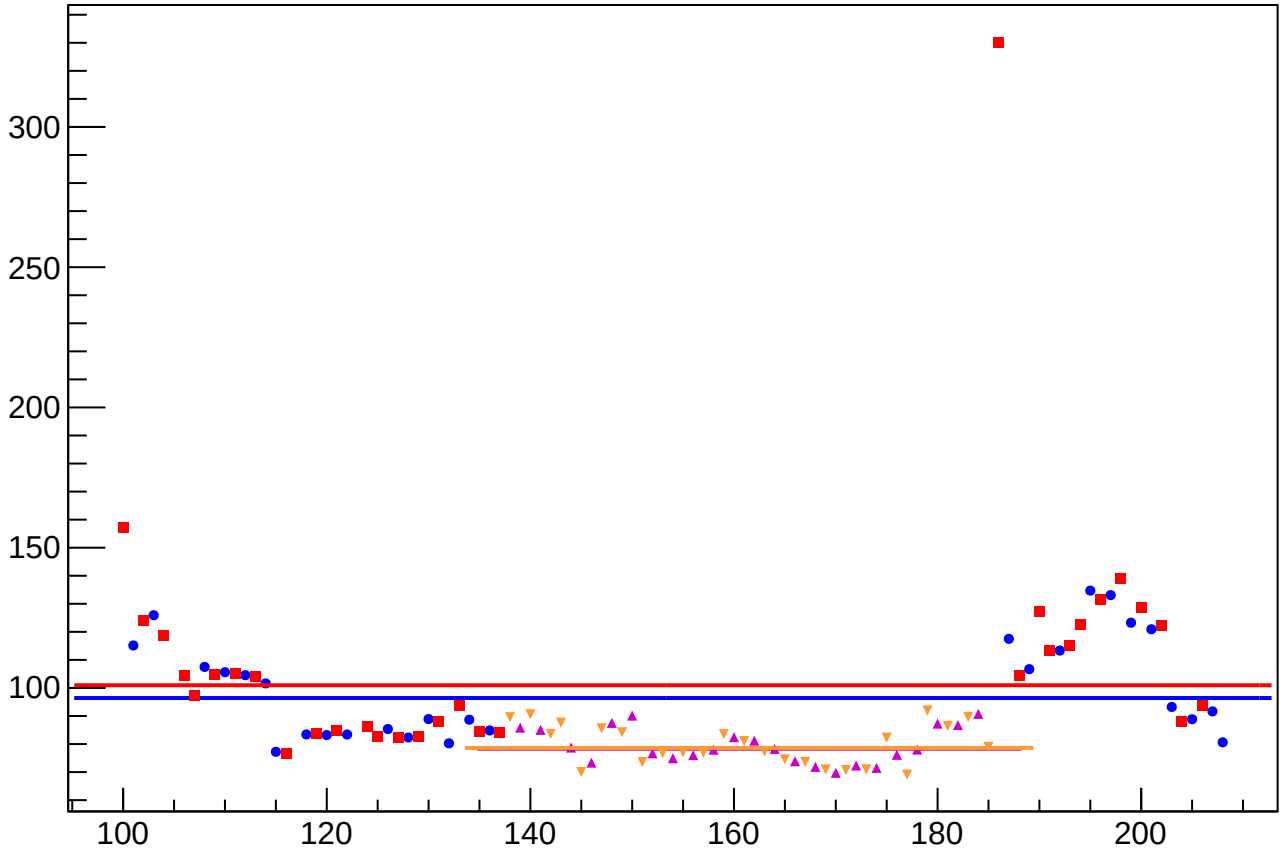
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 19.891+/-14.523 χ^2/NDF: 76.9/51

All: -0.604+/-10.408 χ^2/NDF: 152.5/105

- sign -22.243+/-14.922 χ^2/NDF: 71.5/53

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 96.406+/-0.017 χ^2/NDF: 889303.7/26

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

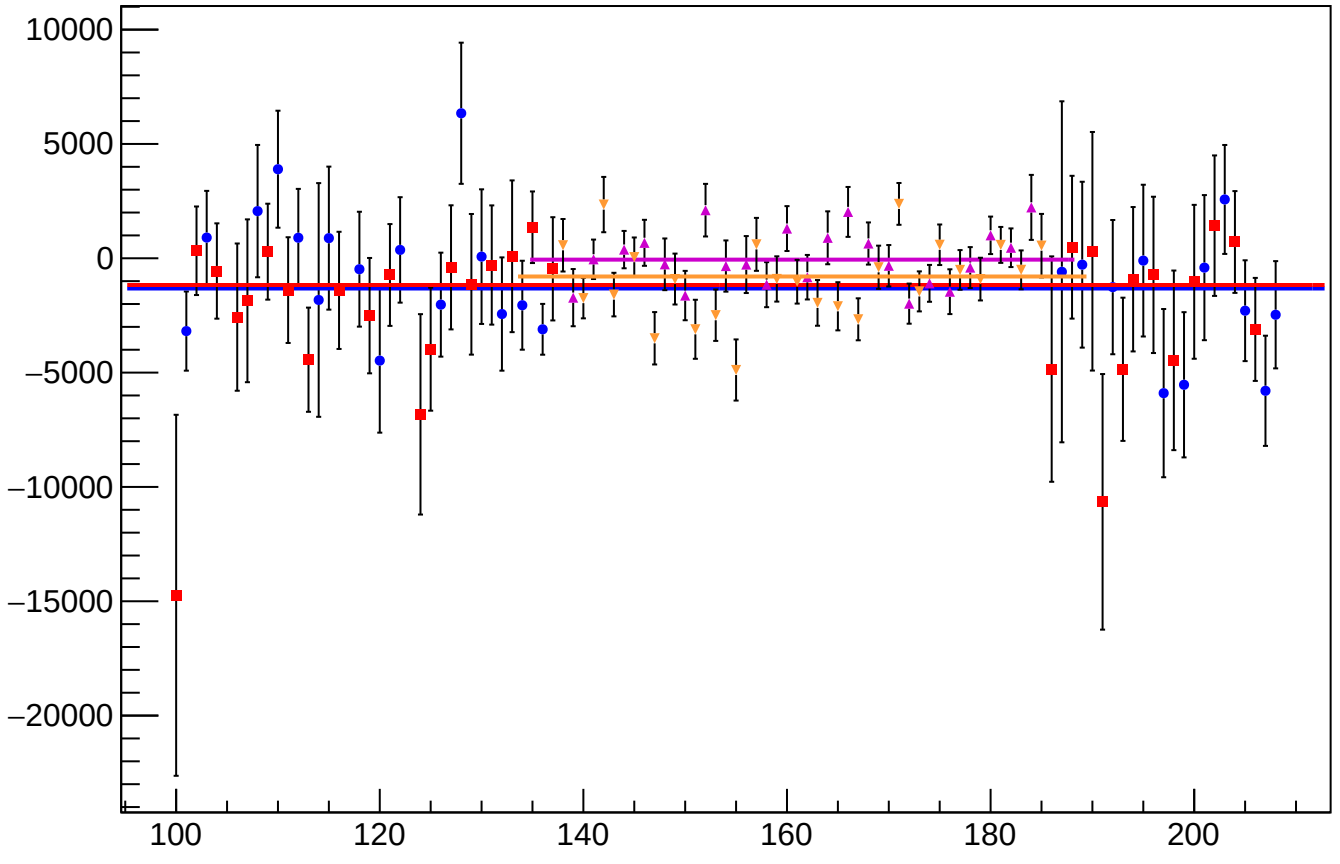
Right Out: 100.960+/-0.018 χ^2/NDF: 1323294.9/30

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

\+ sign 84.771+/-0.010 χ^2/NDF: 1875406.9/51

All: 85.393+/-0.007 χ^2/NDF: 4448505.7/105

\- sign 86.049+/-0.011 χ^2/NDF: 2565572.3/53



Right In: -1321.890+/-465.627 χ^2/NDF: 30.7/26

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

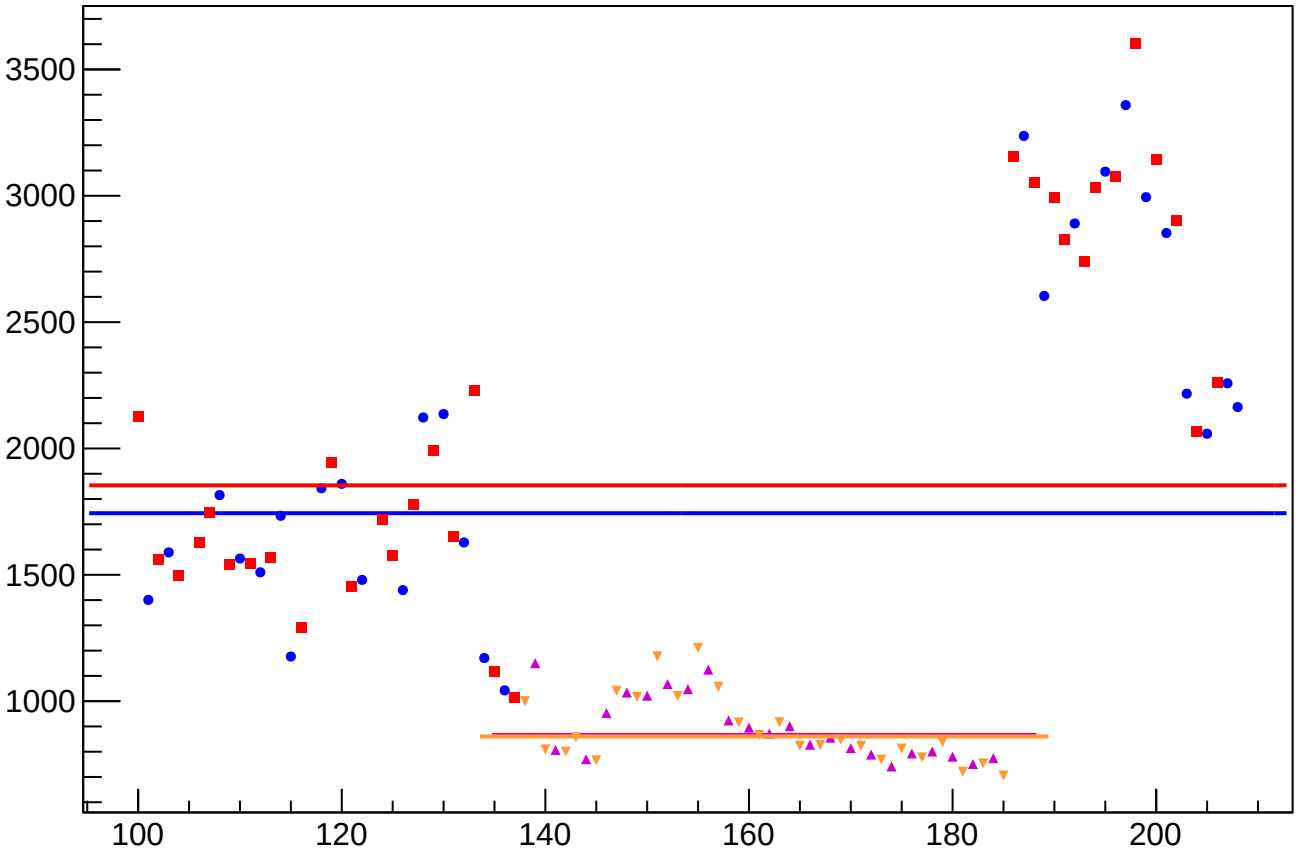
Right Out: -1168.950+/-485.718 χ^2/NDF: 20.6/30

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -877.298+/-182.120 χ^2/NDF: 91.2/51

All: -562.954+/-130.951 χ^2/NDF: 152.9/105

- sign -226.460+/-188.427 χ^2/NDF: 55.5/53



Right In: 1743.841+/-0.329 χ^2/NDF: 3342962.0/26

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1854.084+/-0.343 χ^2/NDF: 3472557.8/30

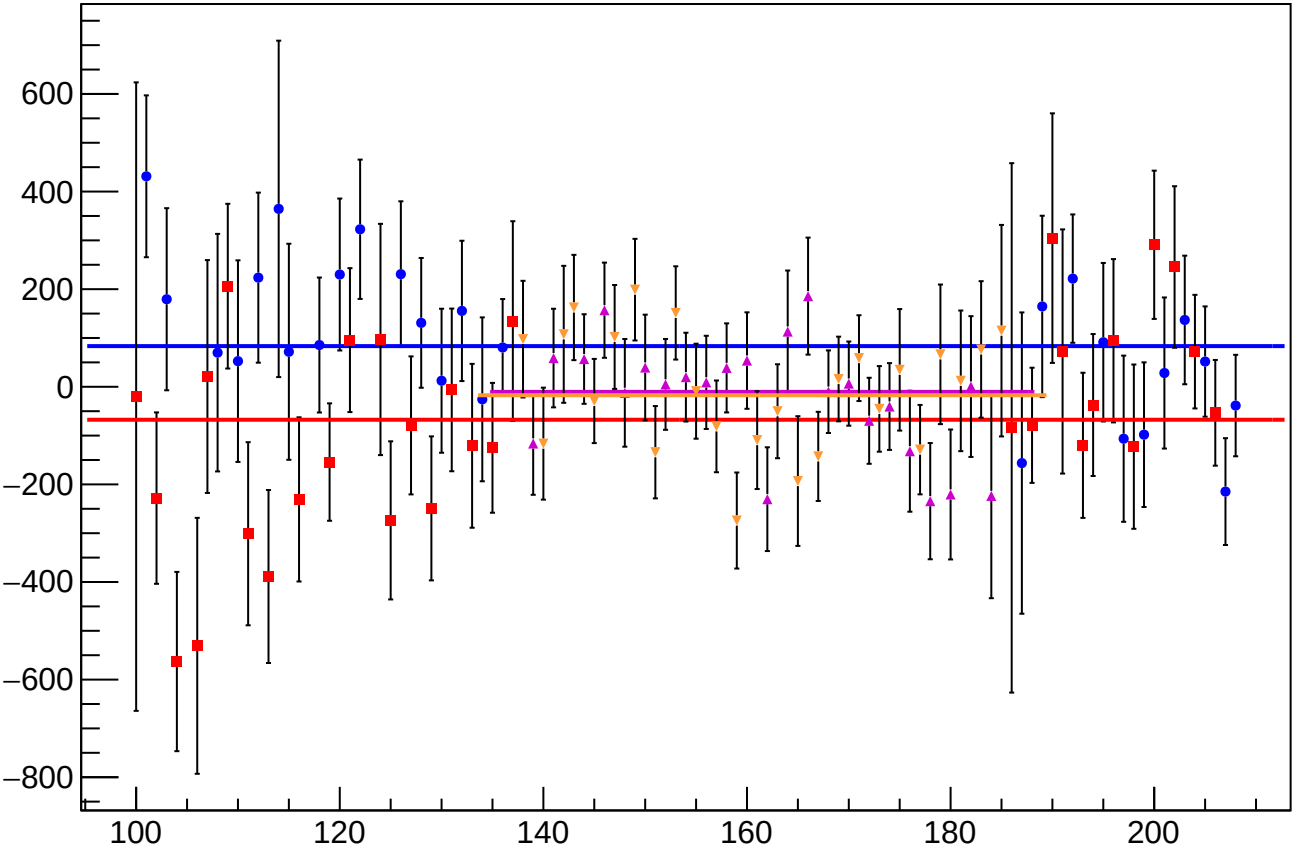
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 995.628+/-0.129 χ^2/NDF: 10139151.9/51

All: 1004.984+/-0.093 χ^2/NDF: 21261882.1/1

- sign 1014.999+/-0.133 χ^2/NDF: 11111802.0/53

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 83.341+/-28.729 χ^2/NDF: 25.5/26

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -67.536+/-29.422 χ^2/NDF: 40.8/30

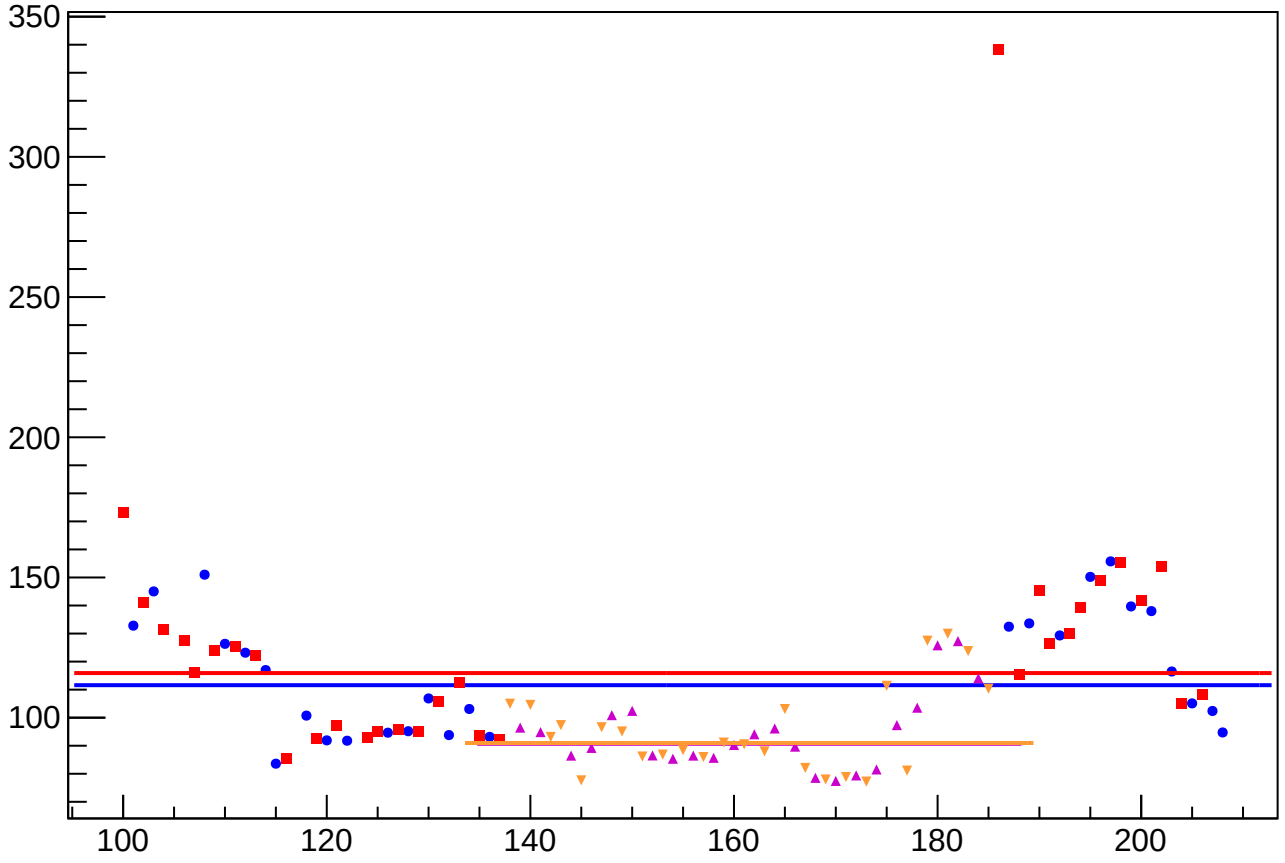
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 17.682+/-16.947 χ^2/NDF: 64.7/51

All: -5.730+/-12.127 χ^2/NDF: 134.5/105

- sign -30.301+/-17.361 χ^2/NDF: 65.9/53

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.592+/-0.020 χ^2/NDF: 974244.0/26

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

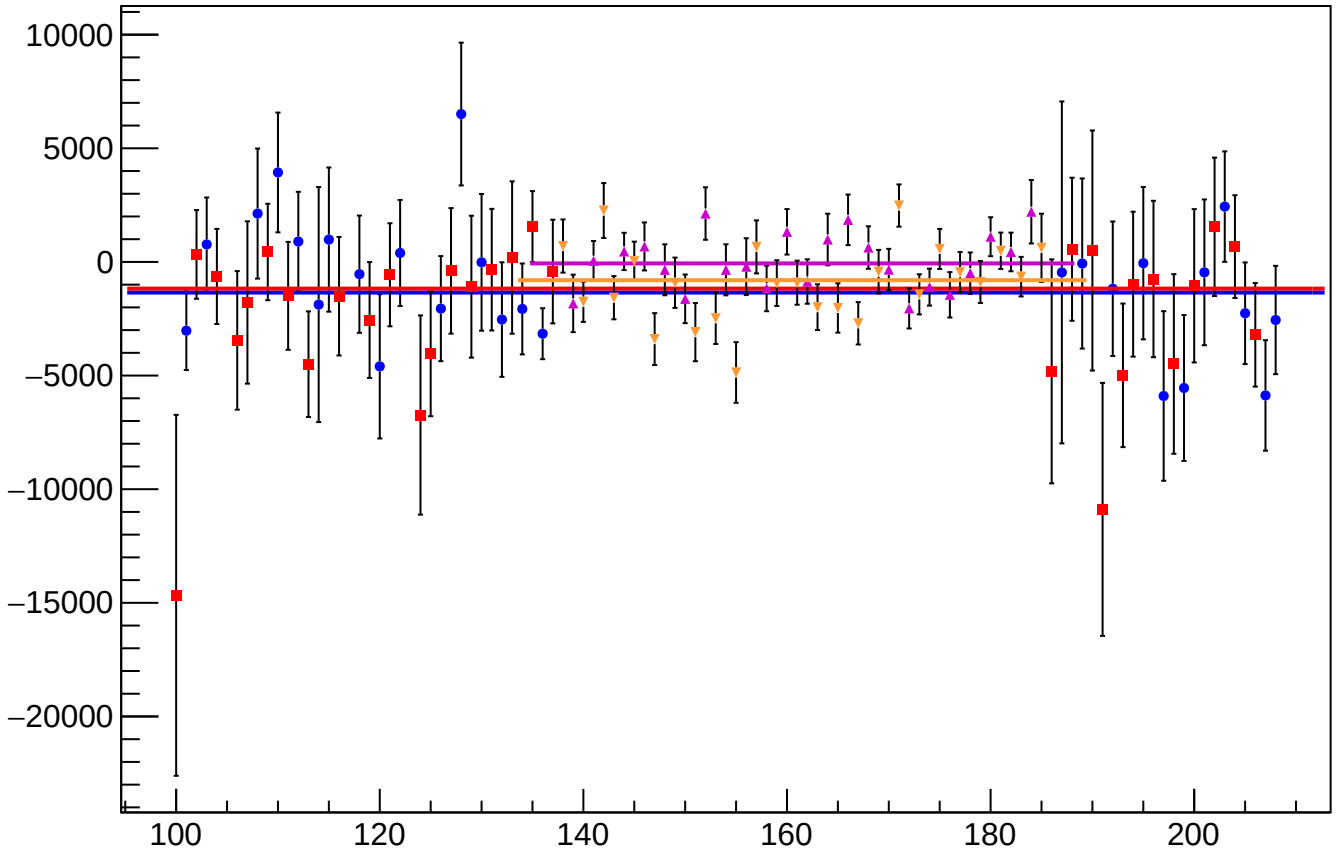
Right Out: 115.913+/-0.021 χ^2/NDF: 1297527.2/30

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 98.143+/-0.012 χ^2/NDF: 2430900.0/51

All: 98.792+/-0.009 χ^2/NDF: 5238467.0/105

- sign 99.472+/-0.012 χ^2/NDF: 2801569.7/53



Right In: -1347.666+/-472.003 χ^2/NDF: 30.2/26

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1173.191+/-490.010 χ^2/NDF: 21.8/30

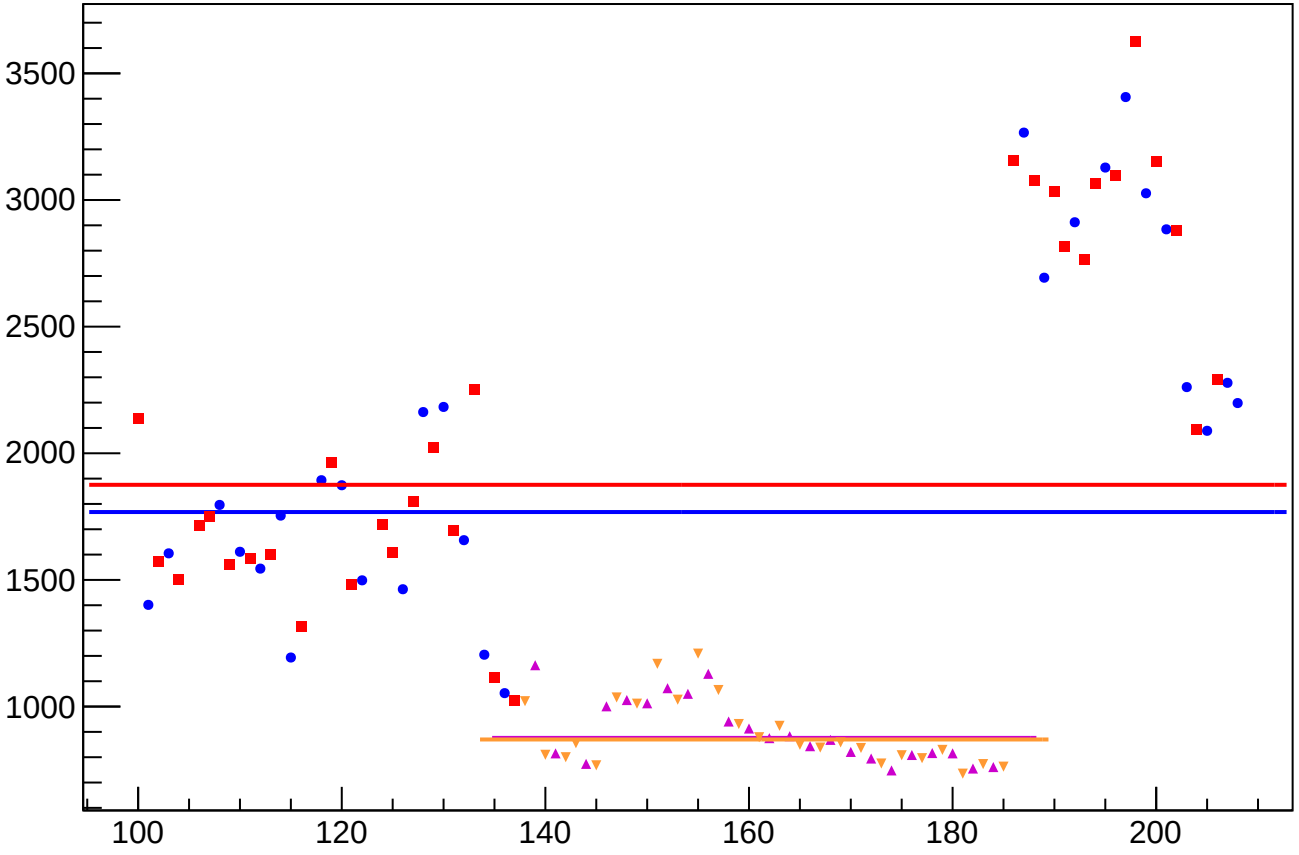
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -885.404+/-184.034 χ^2/NDF: 89.6/51

All: -570.130+/-132.336 χ^2/NDF: 152.6/105

- sign -232.557+/-190.431 χ^2/NDF: 56.9/53

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1768.011+/-0.334 χ^2/NDF: 3351963.4/26

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1875.498+/-0.346 χ^2/NDF: 3441857.7/30

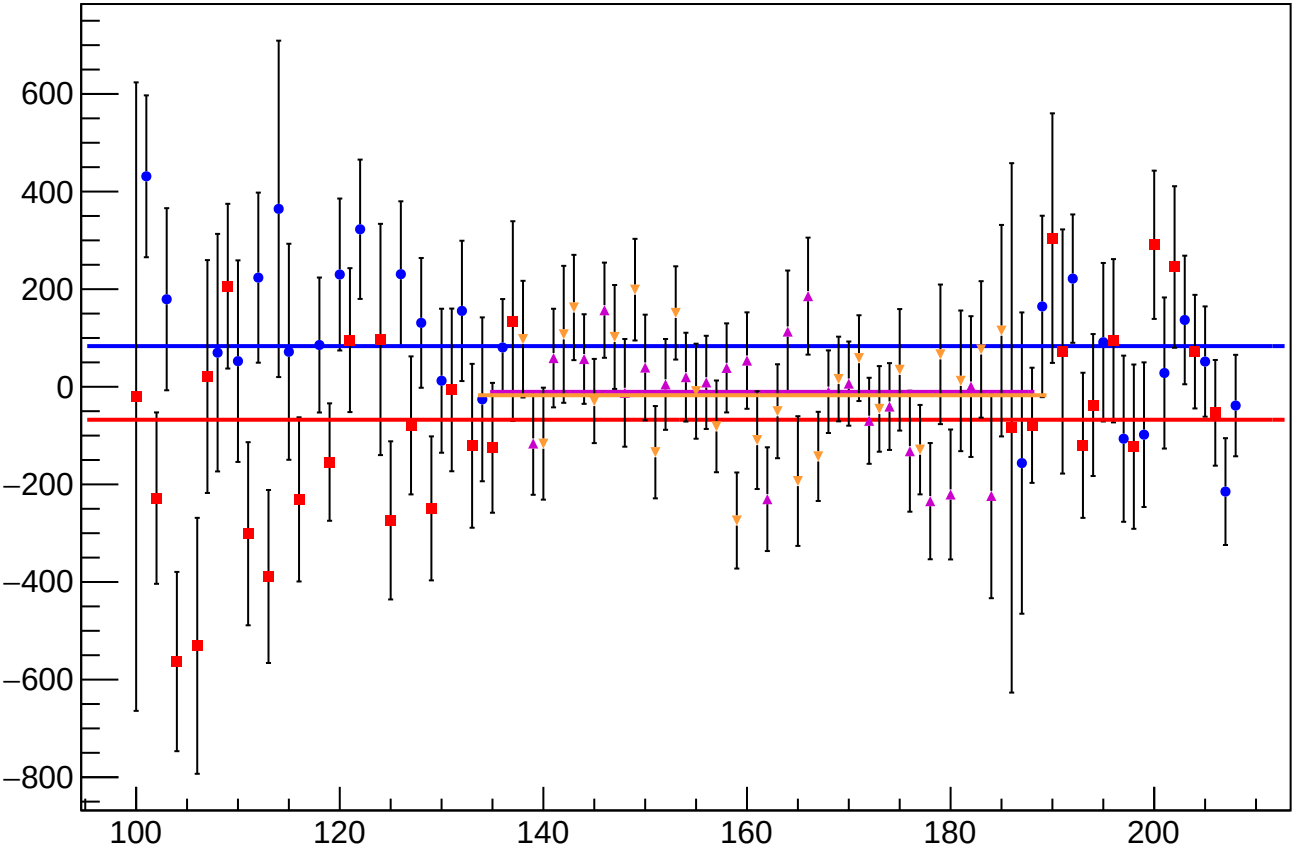
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 1006.525+/-0.130 χ^2/NDF: 10137981.7/51

All: 1016.503+/-0.094 χ^2/NDF: 21249759.3/1

- sign 1027.187+/-0.135 χ^2/NDF: 11099602.5/53

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 83.344+/-28.729 χ^2/NDF: 25.5/26

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -67.536+/-29.422 χ^2/NDF: 40.8/30

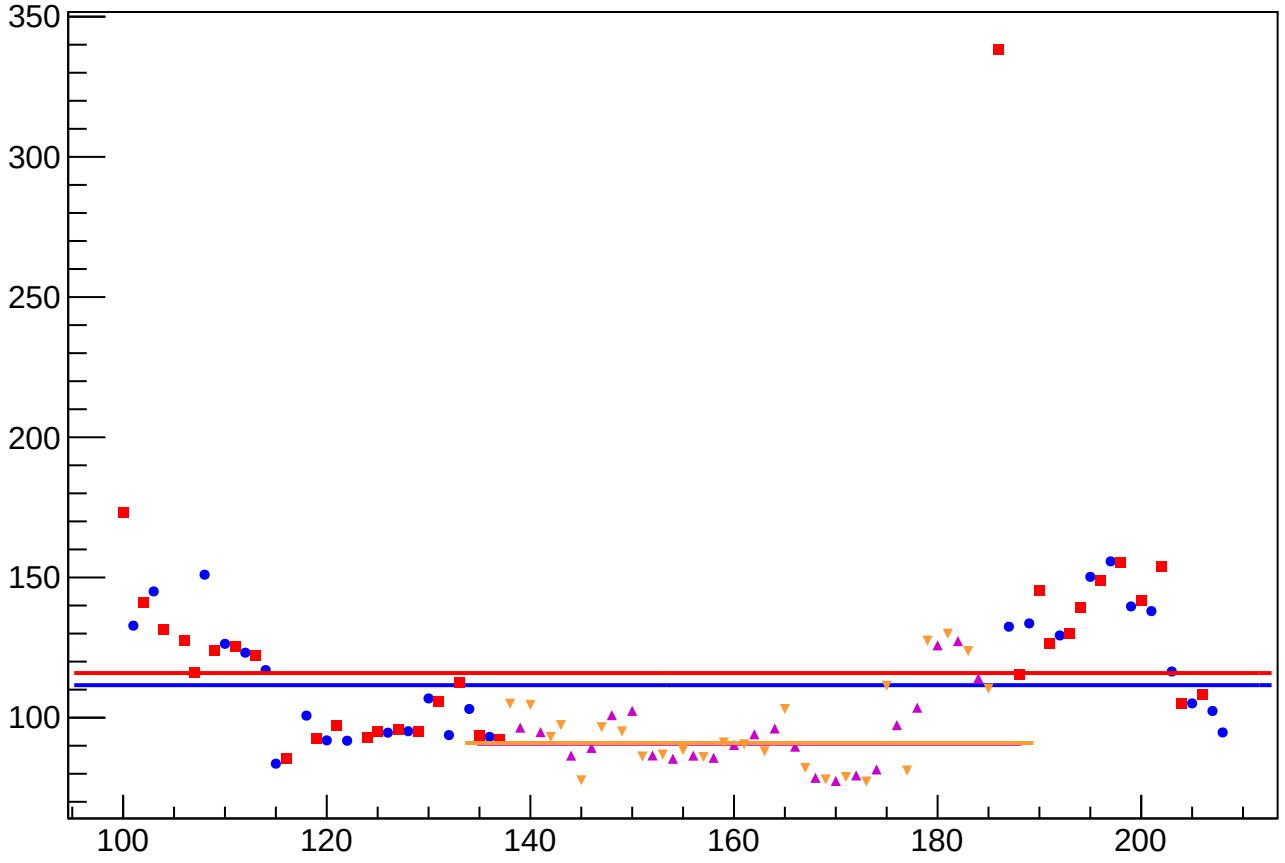
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 17.683+/-16.947 χ^2/NDF: 64.7/51

All: -5.730+/-12.127 χ^2/NDF: 134.5/105

- sign -30.301+/-17.361 χ^2/NDF: 65.9/53

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.591+/-0.020 χ^2/NDF: 974255.6/26

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

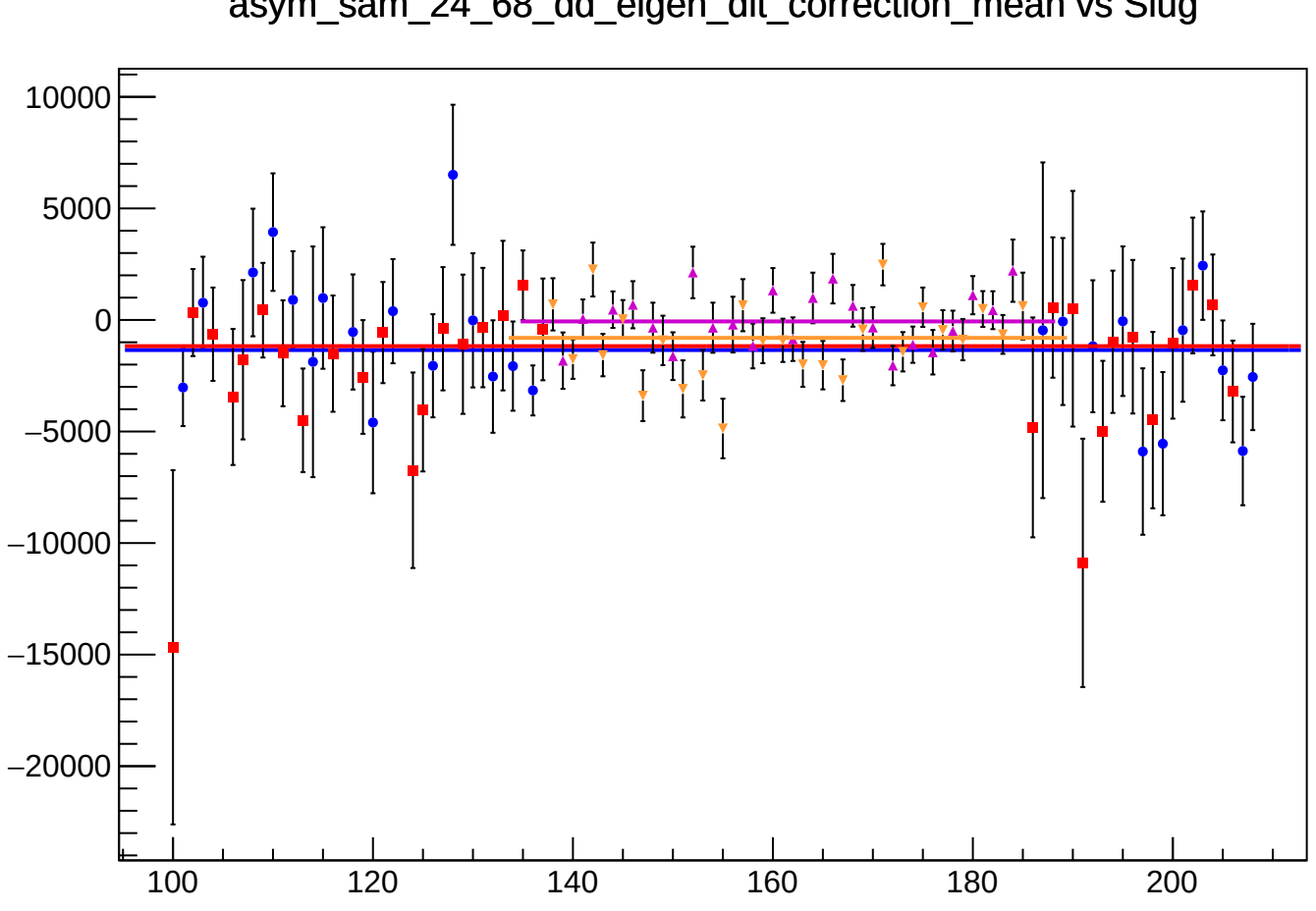
Right Out: 115.912+/-0.021 χ^2/NDF: 1297549.8/30

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 98.143+/-0.012 χ^2/NDF: 2430874.8/51

All: 98.792+/-0.009 χ^2/NDF: 5238424.5/105

- sign 99.472+/-0.012 χ^2/NDF: 2801553.0/53



Right In: -1347.661+/-472.003 χ^2/NDF: 30.2/26

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

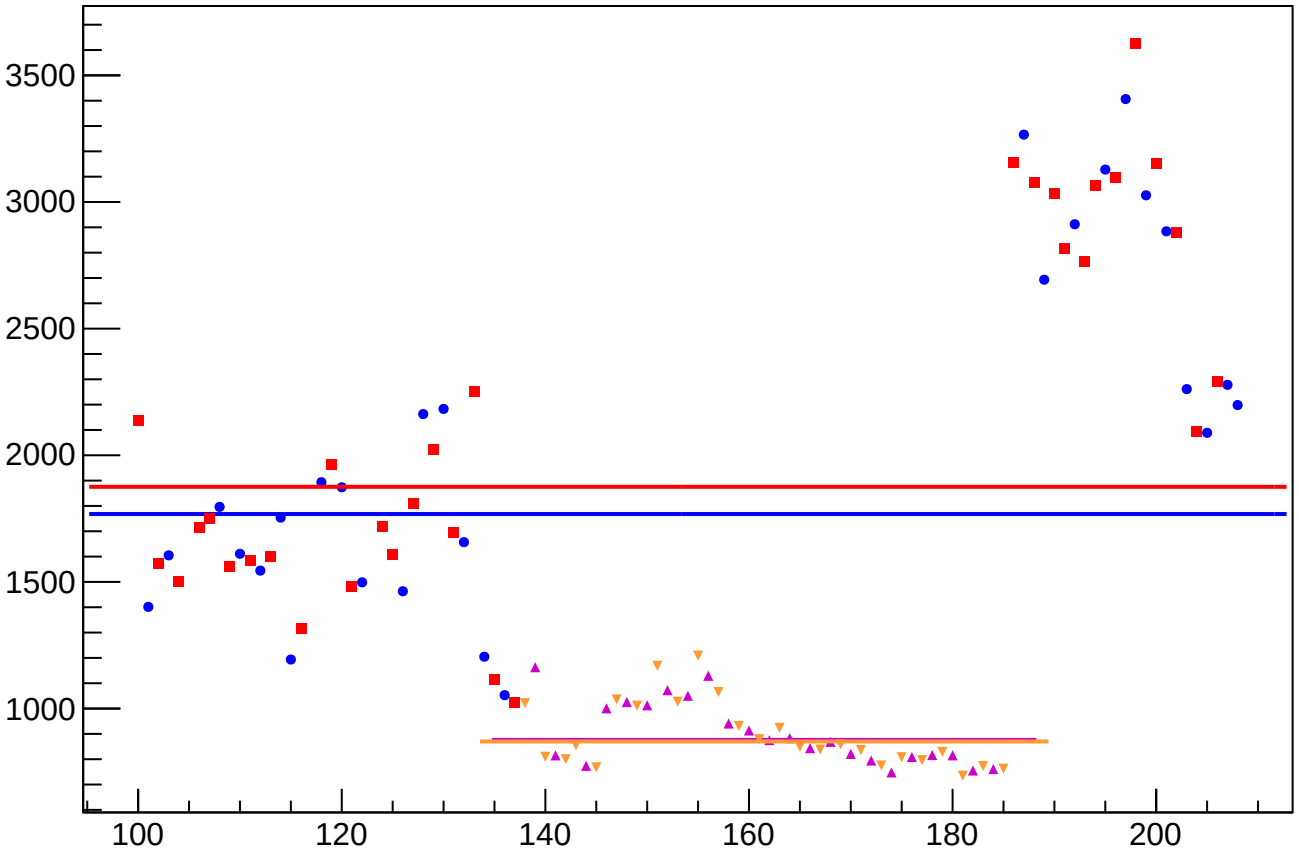
Right Out: -1173.190+/-490.009 χ^2/NDF: 21.8/30

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -885.403+/-184.034 χ^2/NDF: 89.6/51

All: -570.130+/-132.335 χ^2/NDF: 152.6/105

- sign -232.557+/-190.431 χ^2/NDF: 56.9/53



Right In: 1768.008+/-0.334 χ^2/NDF: 3351970.0/26

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1875.495+/-0.346 χ^2/NDF: 3441868.7/30

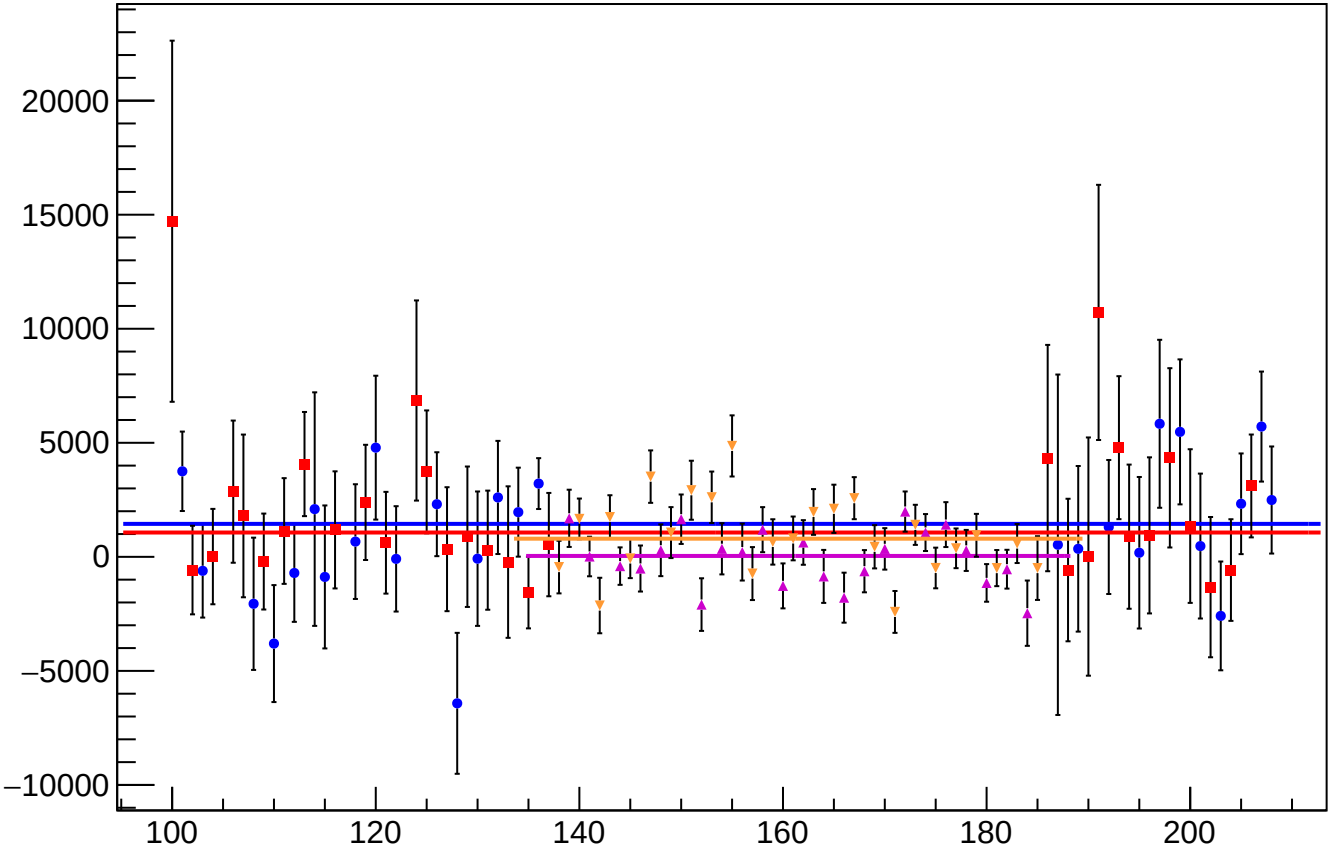
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 1006.524+/-0.130 χ^2/NDF: 10137978.8/51

All: 1016.502+/-0.094 χ^2/NDF: 21249754.9/1

- sign 1027.186+/-0.135 χ^2/NDF: 11099601.2/53

asym_sam_24_68_dd_mean vs Slug



Right In: 1445.488+/-466.665 χ^2/NDF: 31.1/26

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 1066.592+/-486.244 χ^2/NDF: 20.4/30

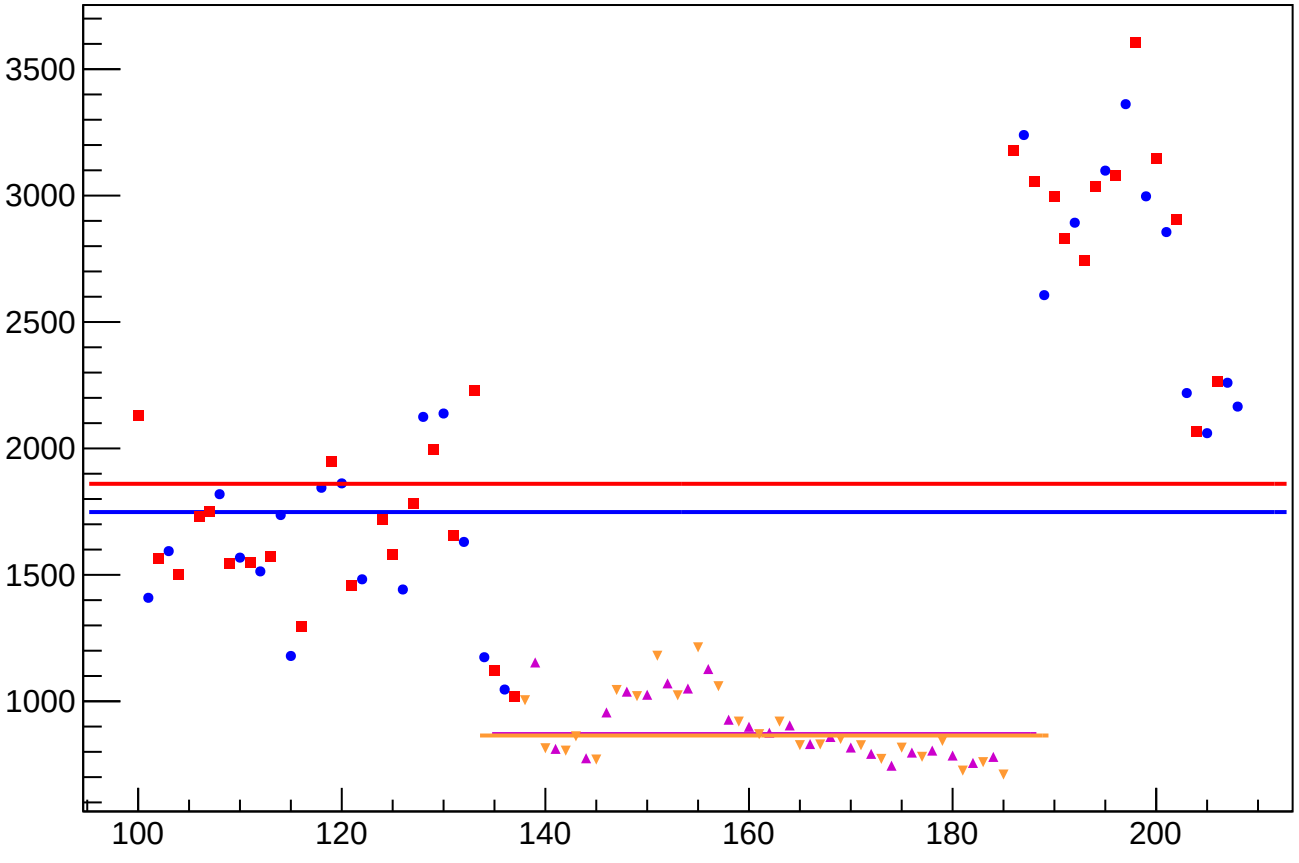
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 896.007+/-182.897 χ^2/NDF: 89.9/51

All: 557.402+/-131.490 χ^2/NDF: 150.9/105

- sign 195.166+/-189.172 χ^2/NDF: 53.9/53

asym_sam_24_68_dd_rms vs Slug



Right In: 1748.369+/-0.330 χ^2/NDF: 3323512.5/26

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

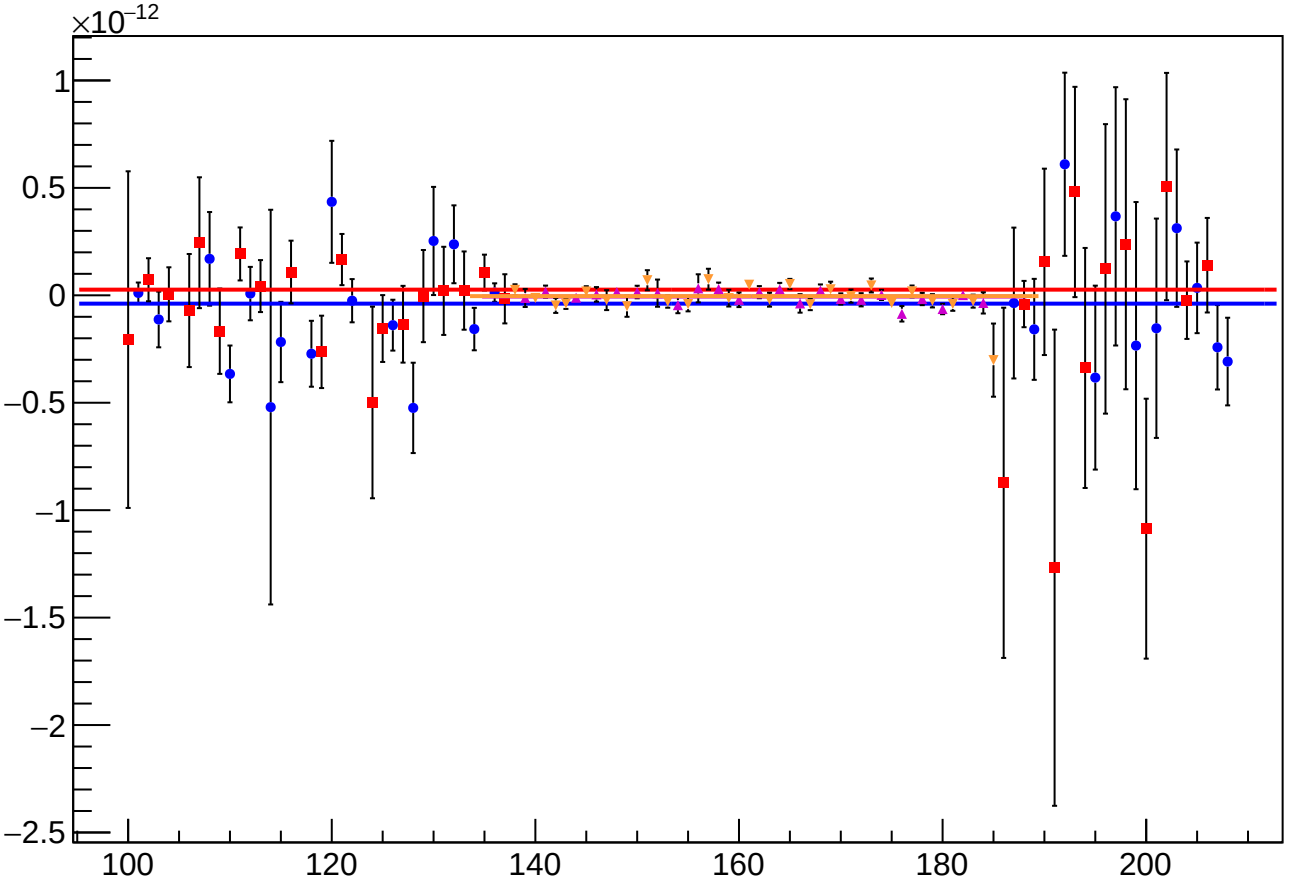
Right Out: 1860.076+/-0.344 χ^2/NDF: 3453968.0/30

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 1000.382+/-0.129 χ^2/NDF: 10083098.3/51

All: 1009.932+/-0.093 χ^2/NDF: 21184874.6/1

- sign 1020.149+/-0.134 χ^2/NDF: 11090490.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 35.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.0/30

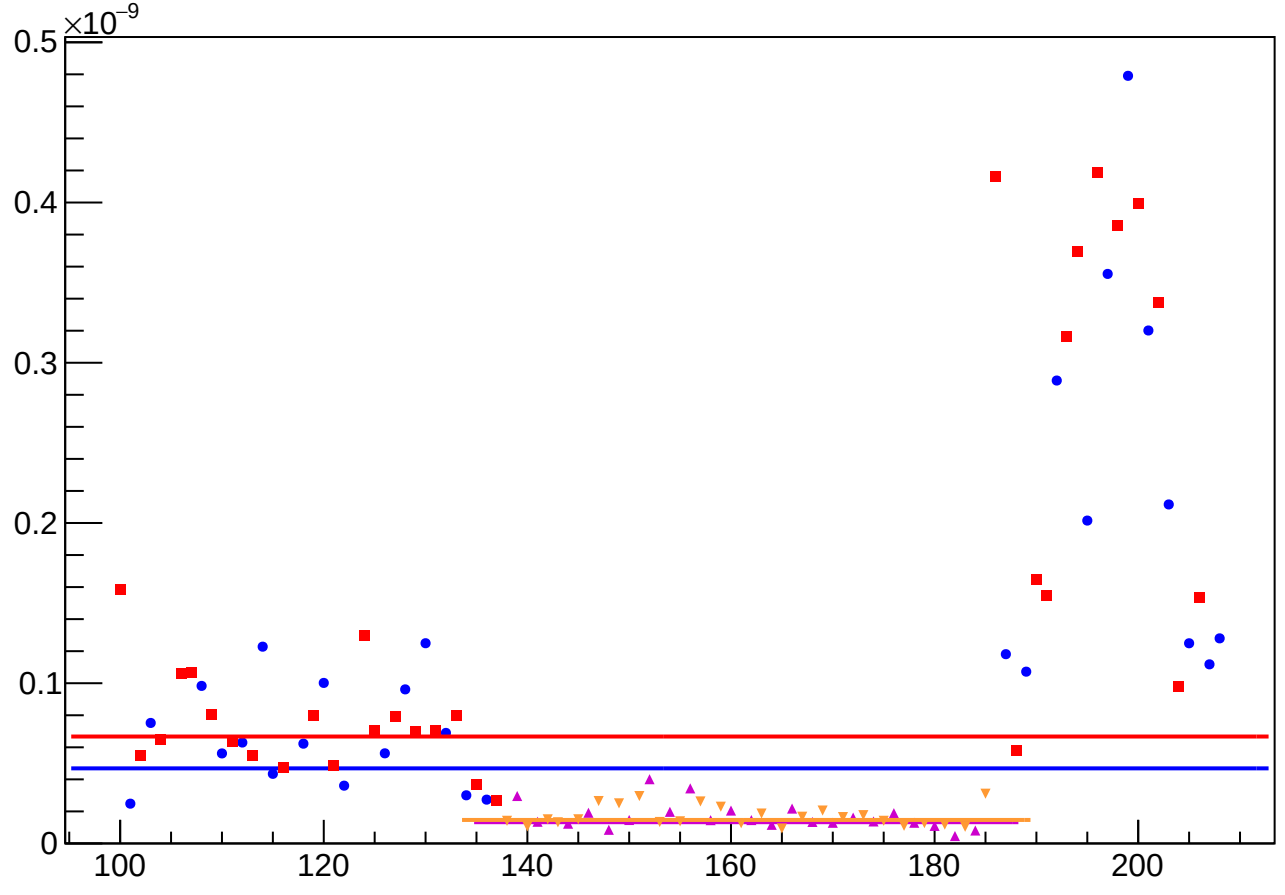
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.8/51

All: -0.000+/-0.000 χ^2/NDF: 119.6/105

- sign -0.000+/-0.000 χ^2/NDF: 43.7/53

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5876785.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

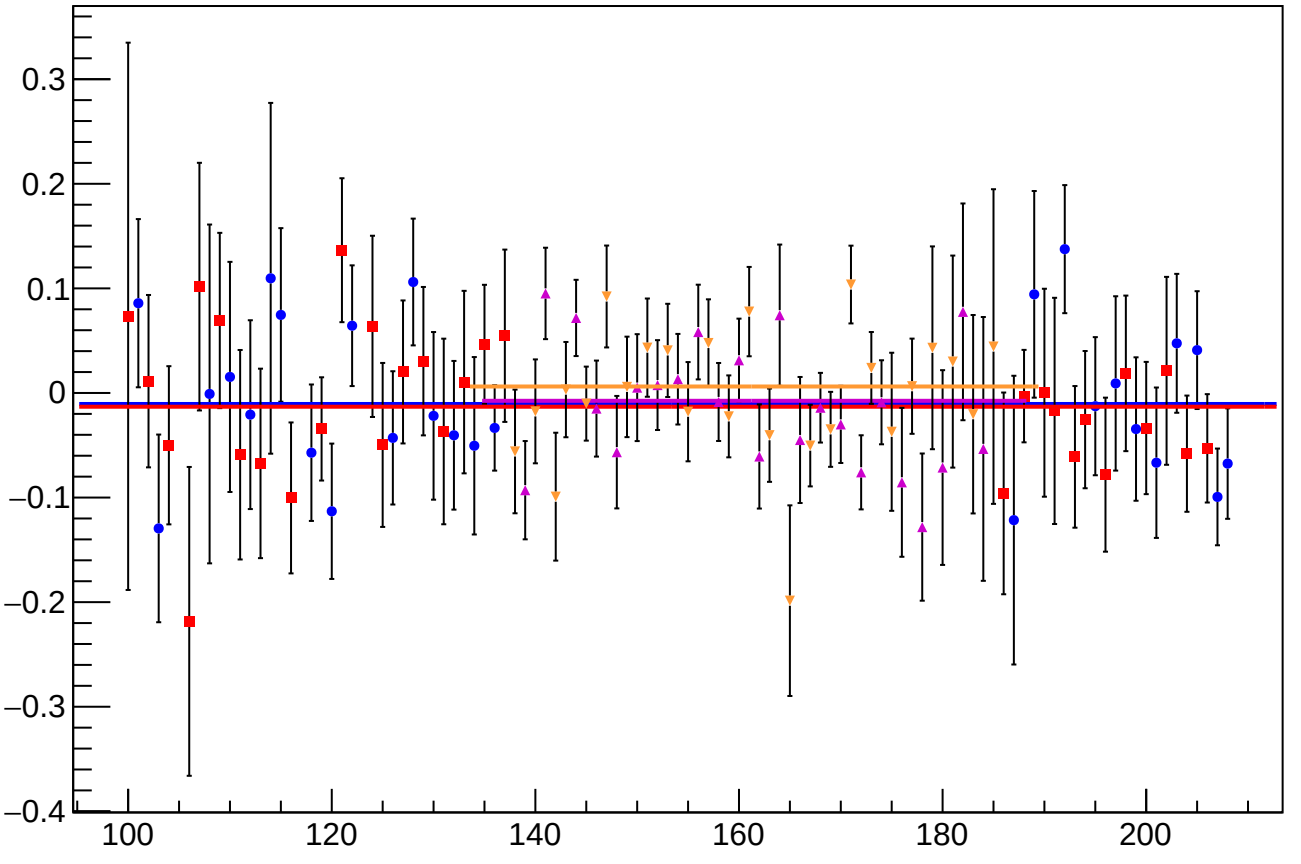
Right Out: 0.000+/-0.000 χ^2/NDF: 4920424.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10309906.0/51

All: 0.000+/-0.000 χ^2/NDF: 22979349.5/105

- sign 0.000+/-0.000 χ^2/NDF: 12616583.9/53



Right In: -0.011+/-0.013 χ^2/NDF: 29.1/26

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.013+/-0.013 χ^2/NDF: 18.6/30

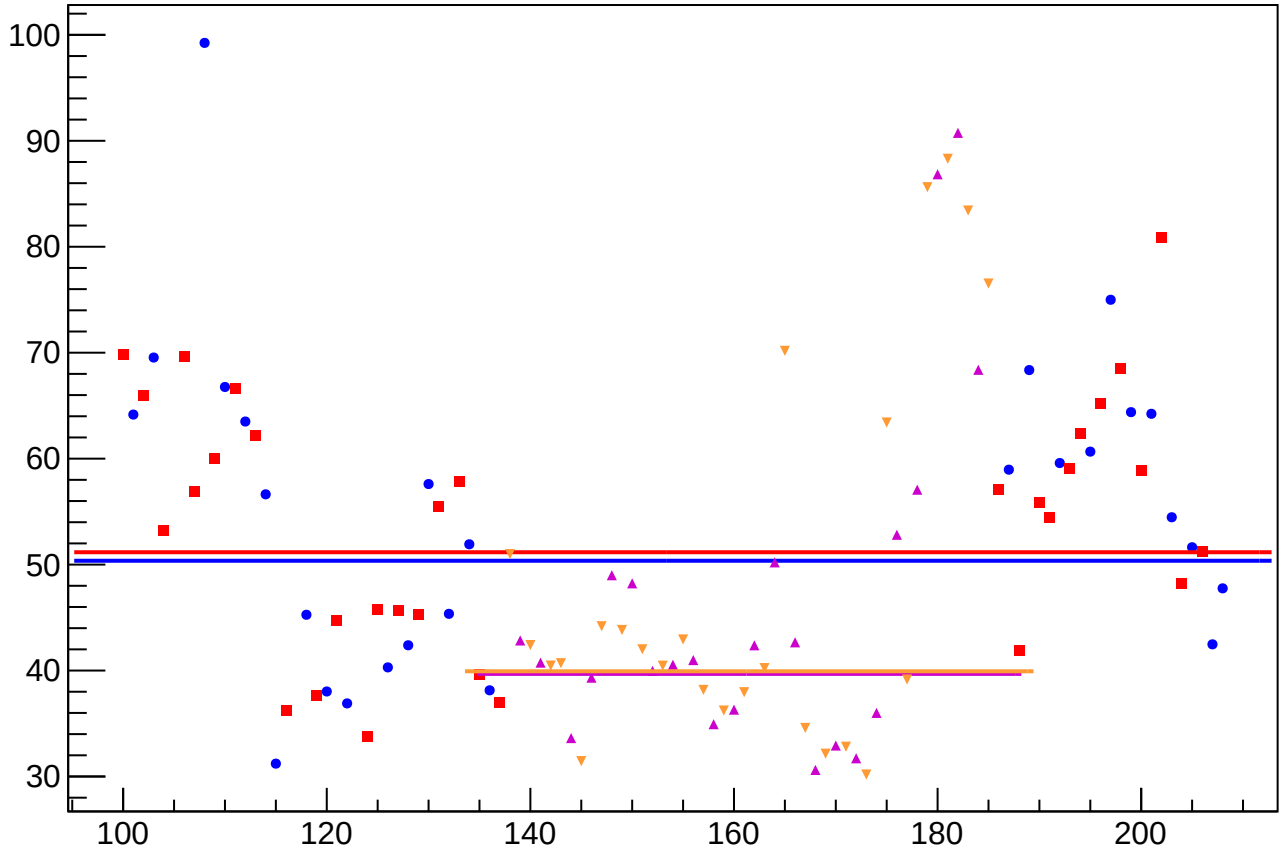
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.000+/-0.008 χ^2/NDF: 61.0/51

All: -0.004+/-0.006 χ^2/NDF: 110.9/105

- sign -0.009+/-0.008 χ^2/NDF: 49.1/53

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 50.363+/-0.009 χ^2/NDF: 1586146.4/26

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

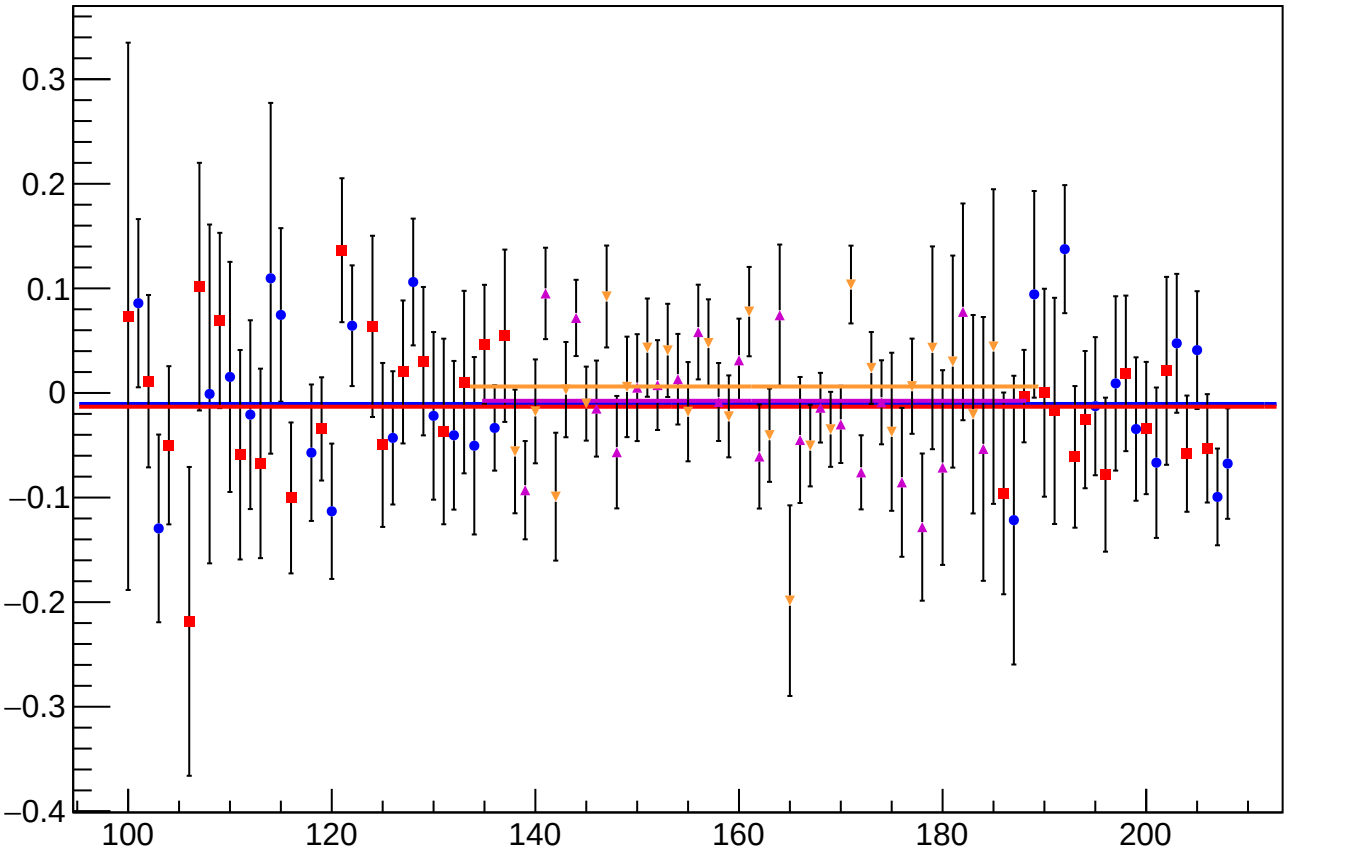
Right Out: 51.168+/-0.009 χ^2/NDF: 1361176.3/30

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.492+/-0.005 χ^2/NDF: 4872877.1/51

All: 43.622+/-0.004 χ^2/NDF: 9129242.0/105

- sign 43.756+/-0.006 χ^2/NDF: 4255225.6/53



Right In: -0.011+/-0.013 χ^2/NDF: 29.1/26

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

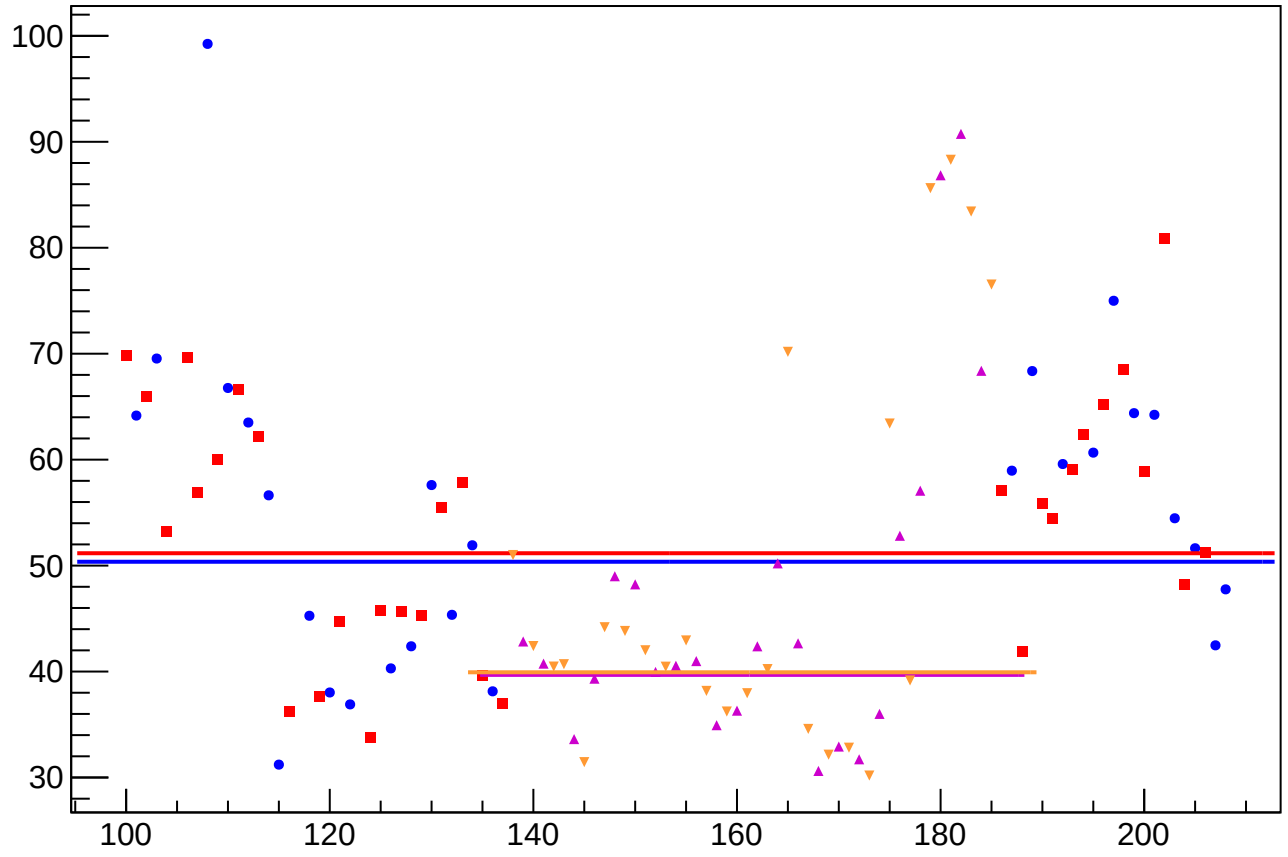
Right Out: -0.013+/-0.013 χ^2/NDF: 18.6/30

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.000+/-0.008 χ^2/NDF: 61.0/51

All: -0.004+/-0.006 χ^2/NDF: 110.9/105

- sign -0.009+/-0.008 χ^2/NDF: 49.1/53



Right In: 50.363+/-0.009 χ^2/NDF: 1586146.4/26

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

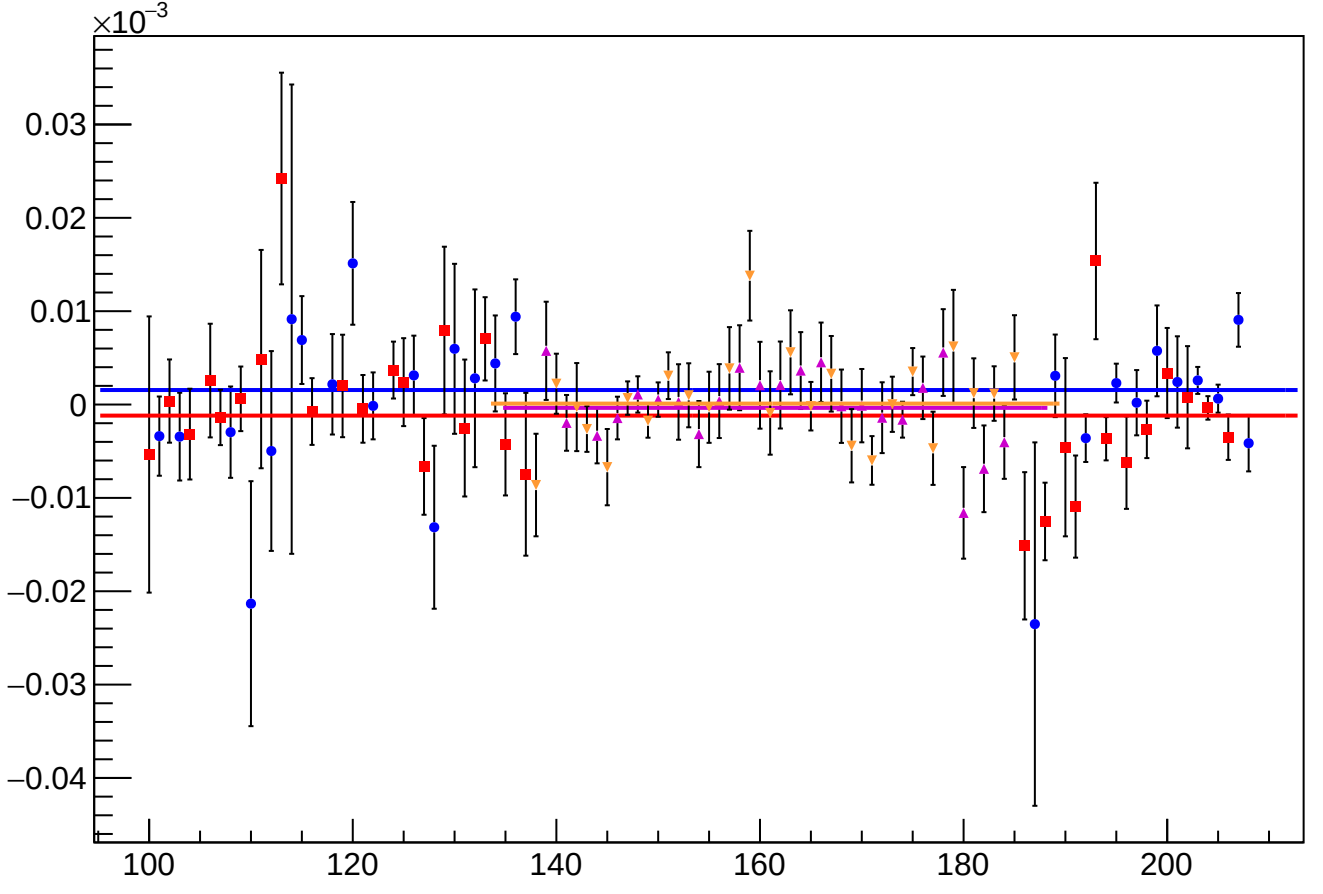
Right Out: 51.168+/-0.009 χ^2/NDF: 1361176.3/30

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.492+/-0.005 χ^2/NDF: 4872877.1/51

All: 43.622+/-0.004 χ^2/NDF: 9129242.0/105

- sign 43.756+/-0.006 χ^2/NDF: 4255225.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 38.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

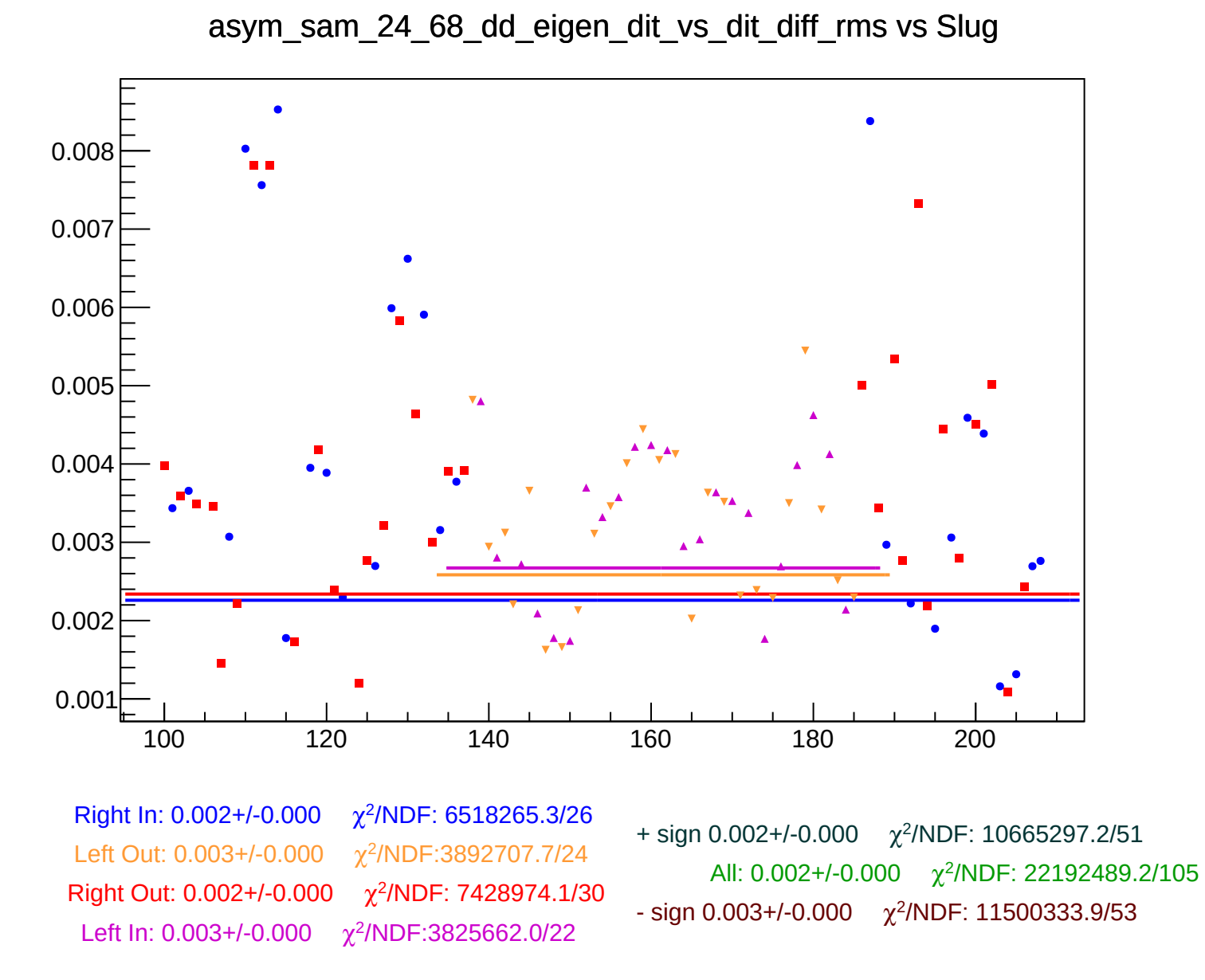
Right Out: -0.000+/-0.000 χ^2/NDF: 38.8/30

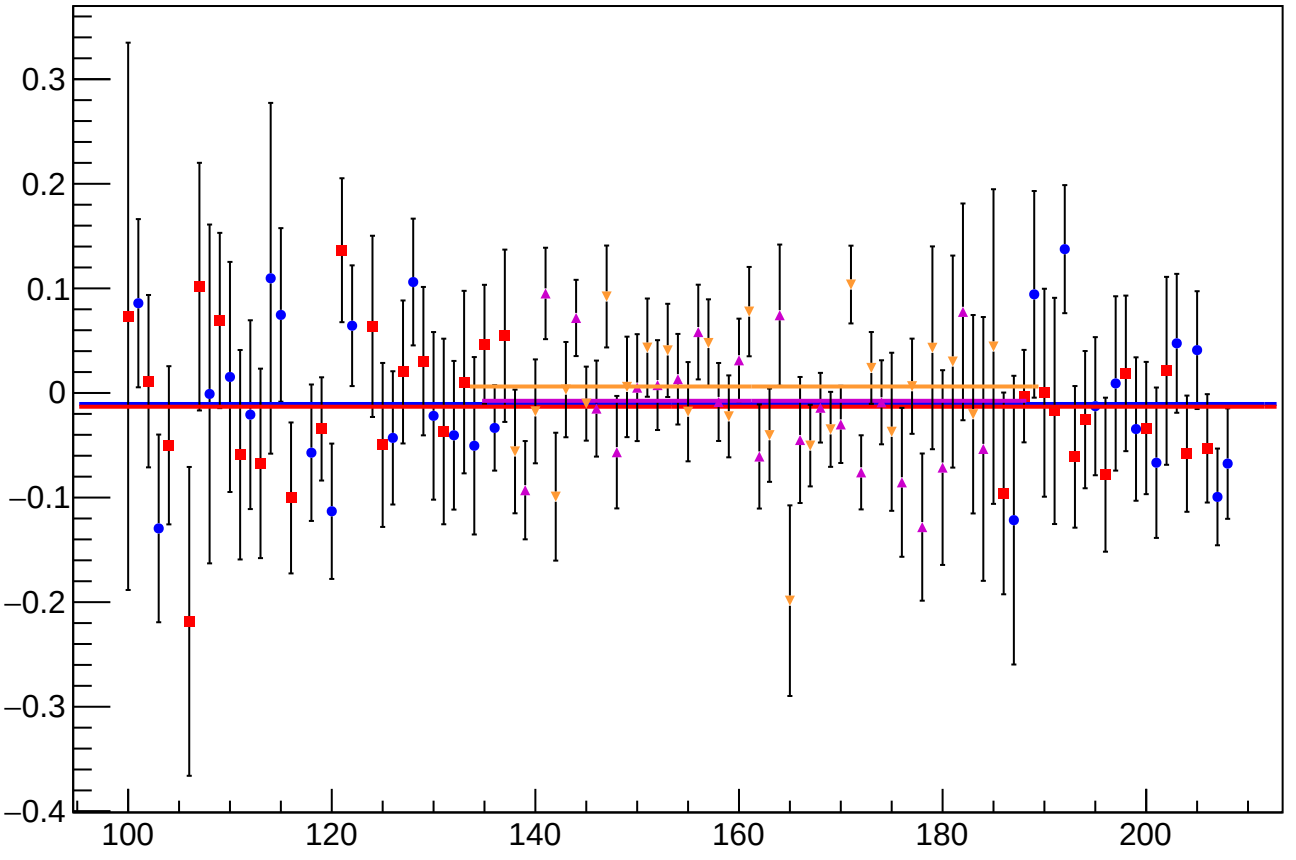
Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.9/51

All: 0.000+/-0.000 χ^2/NDF: 137.8/105

- sign -0.000+/-0.000 χ^2/NDF: 58.3/53


asym_sam_24_68_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
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 6518265.3/26
Left Out: 0.003+/-0.000 χ²/NDF:3892707.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 7428974.1/30
Left In: 0.003+/-0.000 χ²/NDF:3825662.0/22
+ sign 0.002+/-0.000 χ²/NDF: 10665297.2/51
All: 0.002+/-0.000 χ²/NDF: 22192489.2/105
- sign 0.003+/-0.000 χ²/NDF: 11500333.9/53



Right In: -0.011+/-0.013 χ^2/NDF: 29.1/26

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.013+/-0.013 χ^2/NDF: 18.6/30

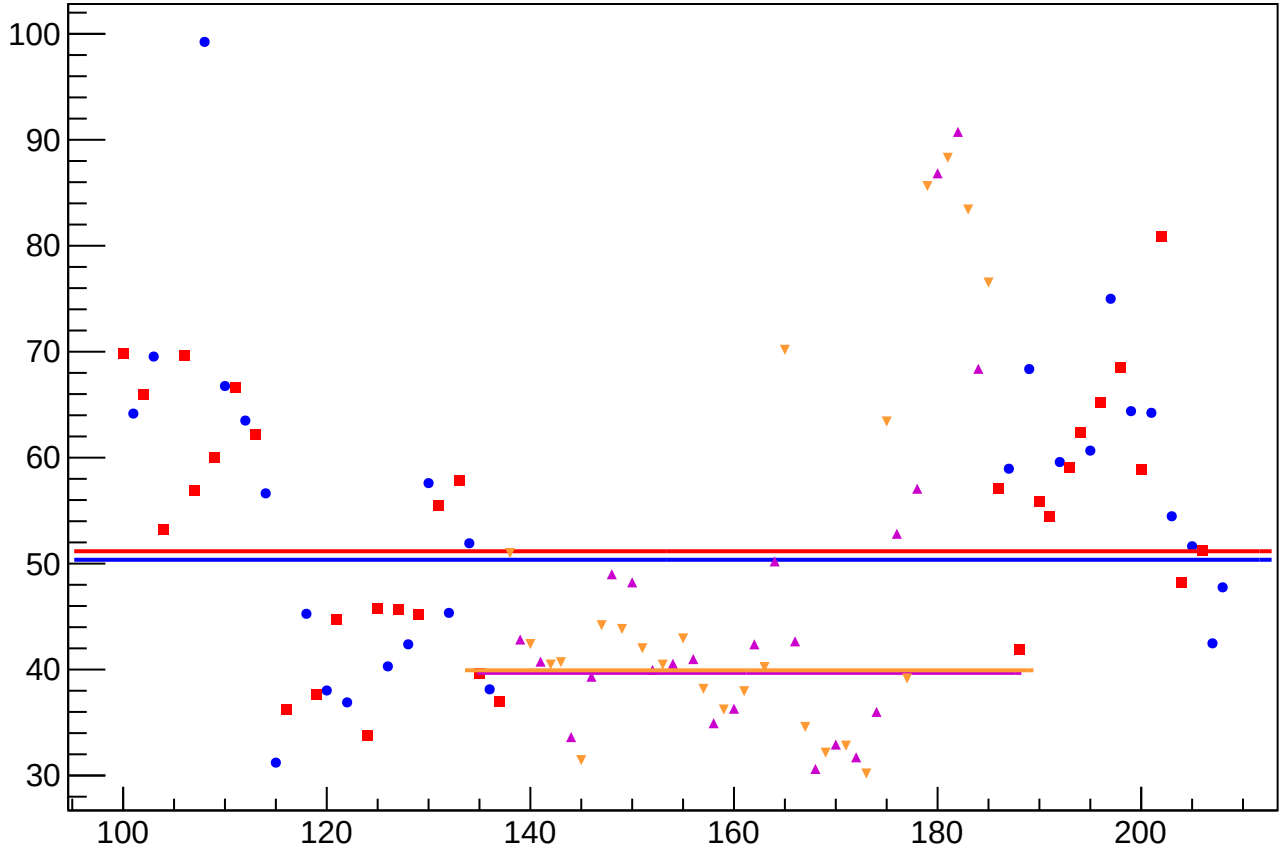
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.000+/-0.008 χ^2/NDF: 61.0/51

All: -0.004+/-0.006 χ^2/NDF: 110.9/105

- sign -0.009+/-0.008 χ^2/NDF: 49.1/53

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 50.362+/-0.009 χ^2/NDF: 1586188.3/26

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

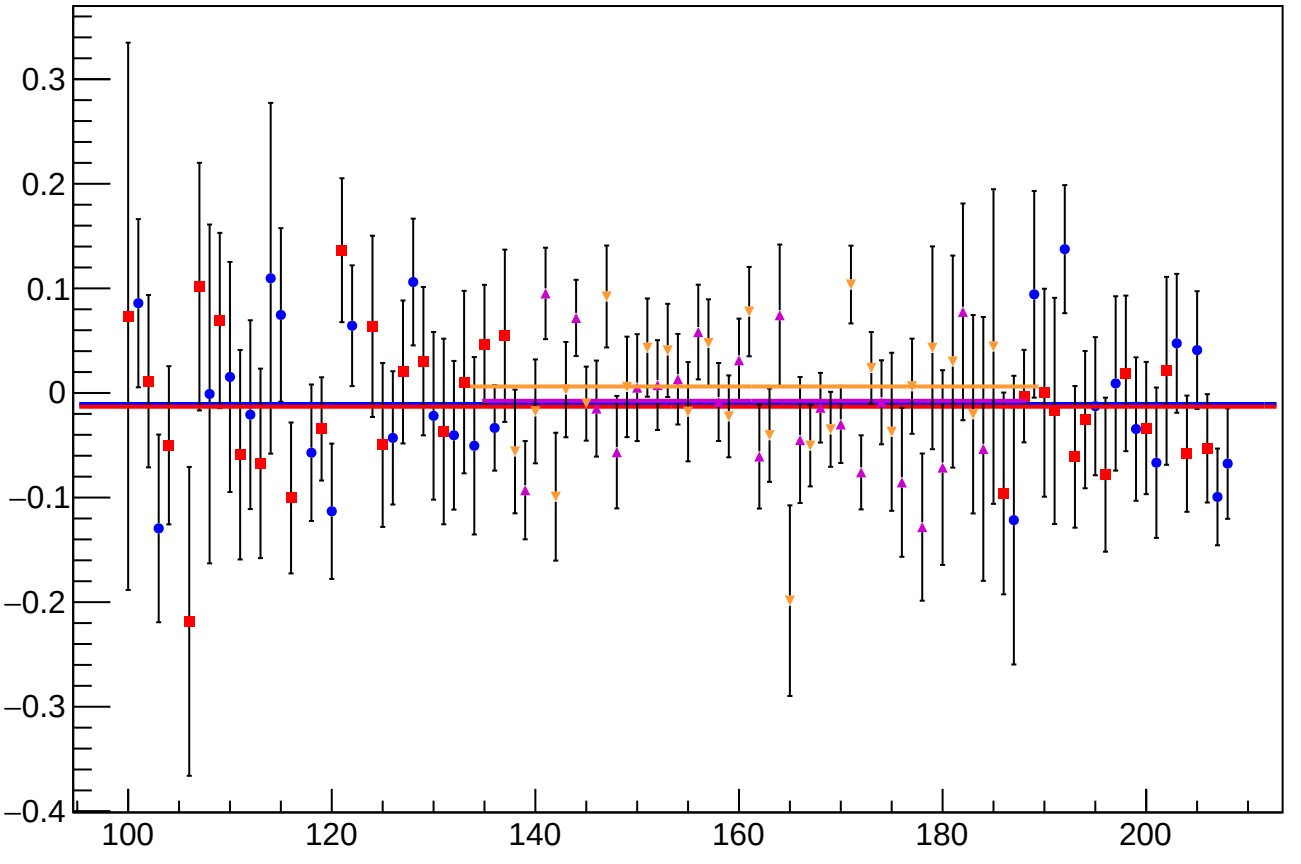
Right Out: 51.167+/-0.009 χ^2/NDF: 1361211.3/30

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 43.492+/-0.005 χ^2/NDF: 4872794.2/51

All: 43.622+/-0.004 χ^2/NDF: 9129158.0/105

- sign 43.755+/-0.006 χ^2/NDF: 4255225.4/53



Right In: -0.011+/-0.013 χ^2/NDF: 29.1/26

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

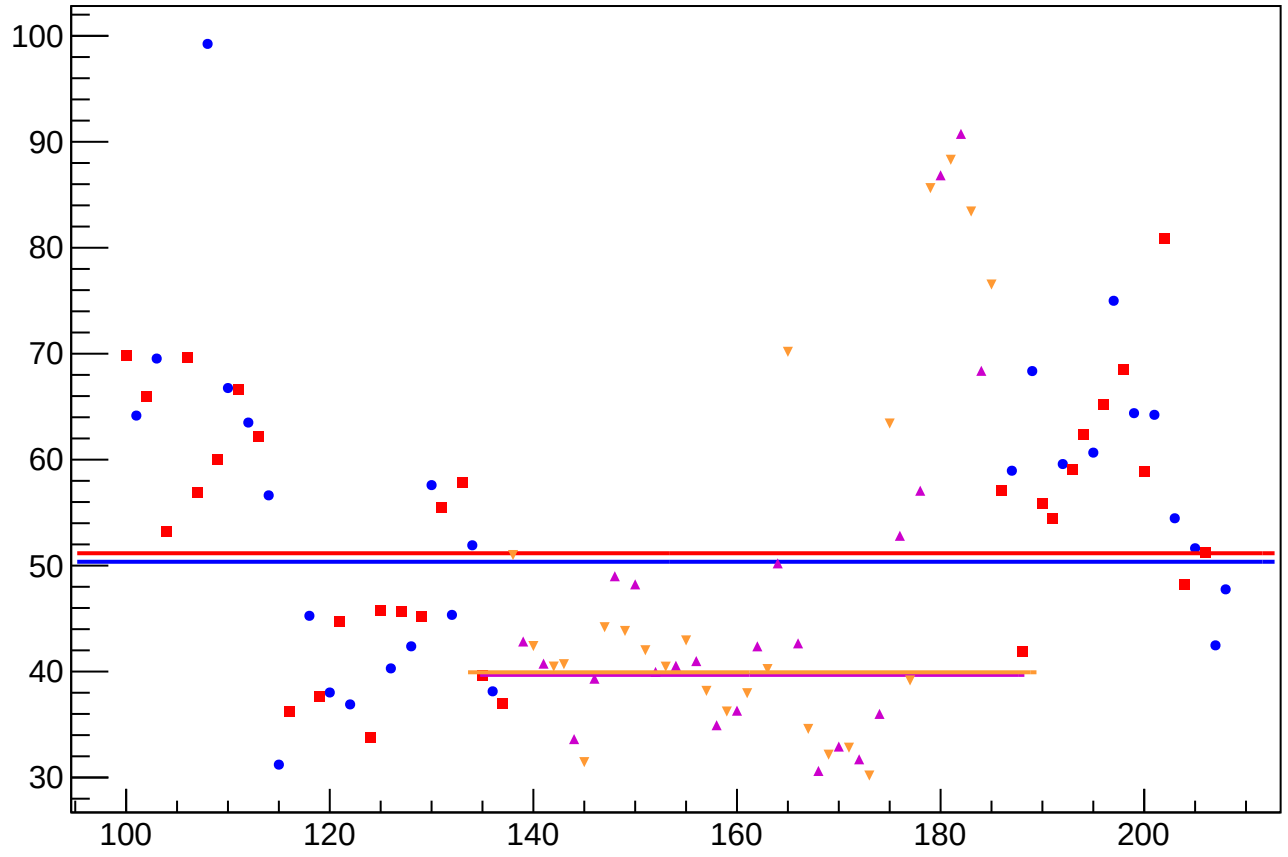
Right Out: -0.013+/-0.013 χ^2/NDF: 18.6/30

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.000+/-0.008 χ^2/NDF: 61.0/51

All: -0.004+/-0.006 χ^2/NDF: 110.9/105

- sign -0.009+/-0.008 χ^2/NDF: 49.1/53



Right In: 50.362+/-0.009 χ^2/NDF: 1586188.3/26

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

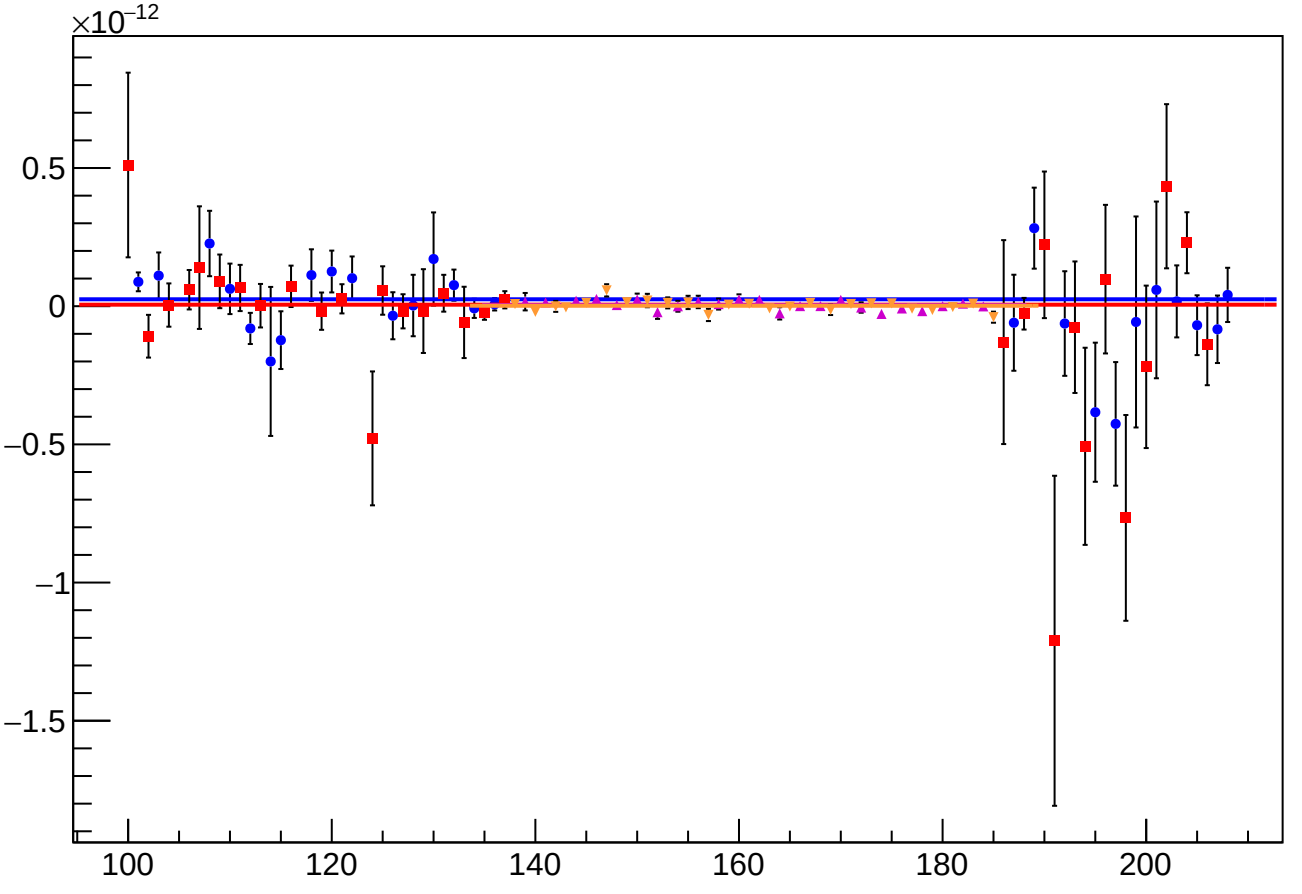
Right Out: 51.167+/-0.009 χ^2/NDF: 1361211.3/30

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 43.492+/-0.005 χ^2/NDF: 4872794.2/51

All: 43.622+/-0.004 χ^2/NDF: 9129158.0/105

- sign 43.755+/-0.006 χ^2/NDF: 4255225.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

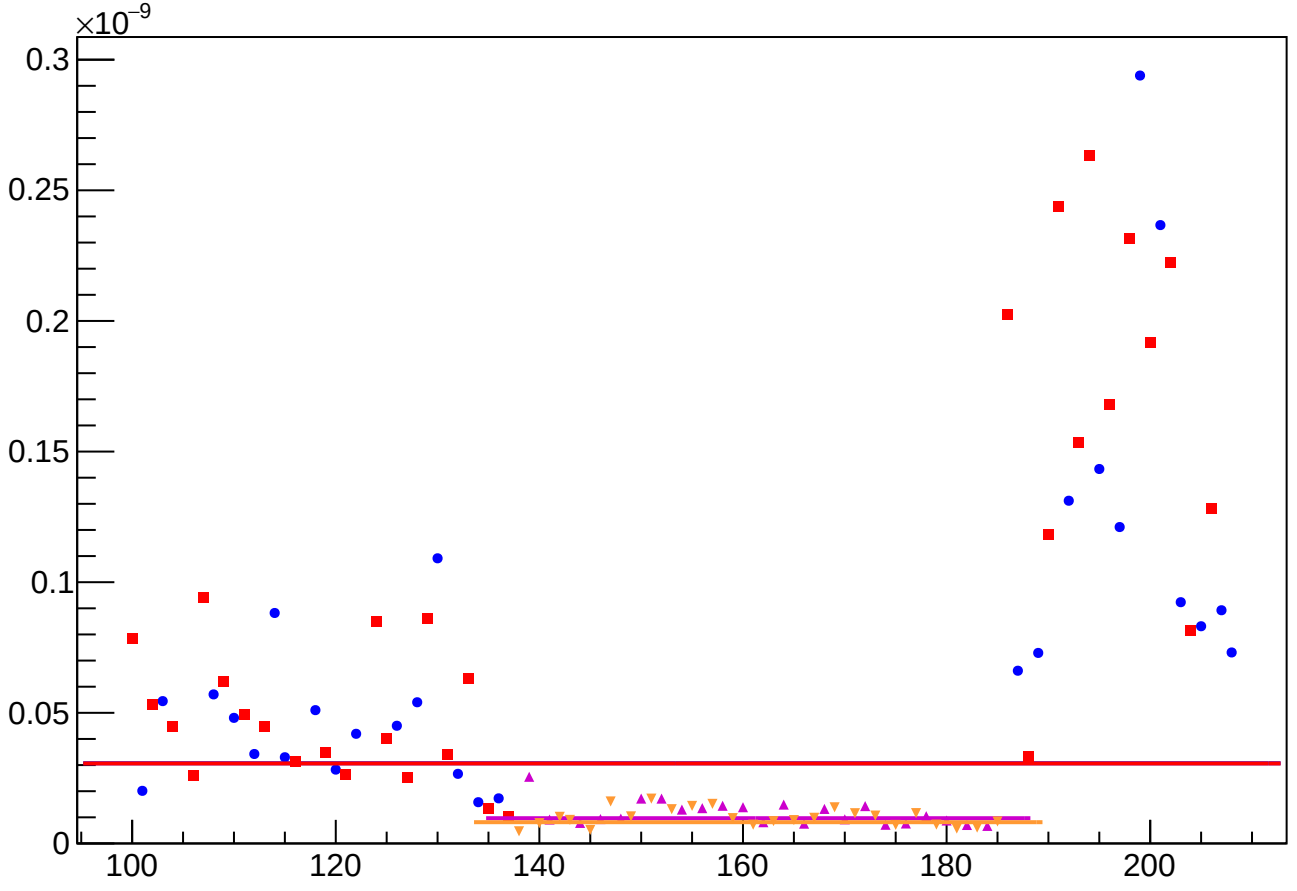
Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/30

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.9/51

All: 0.000+/-0.000 χ^2/NDF: 125.5/105

- sign 0.000+/-0.000 χ^2/NDF: 61.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 7516956.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9155716.5/30

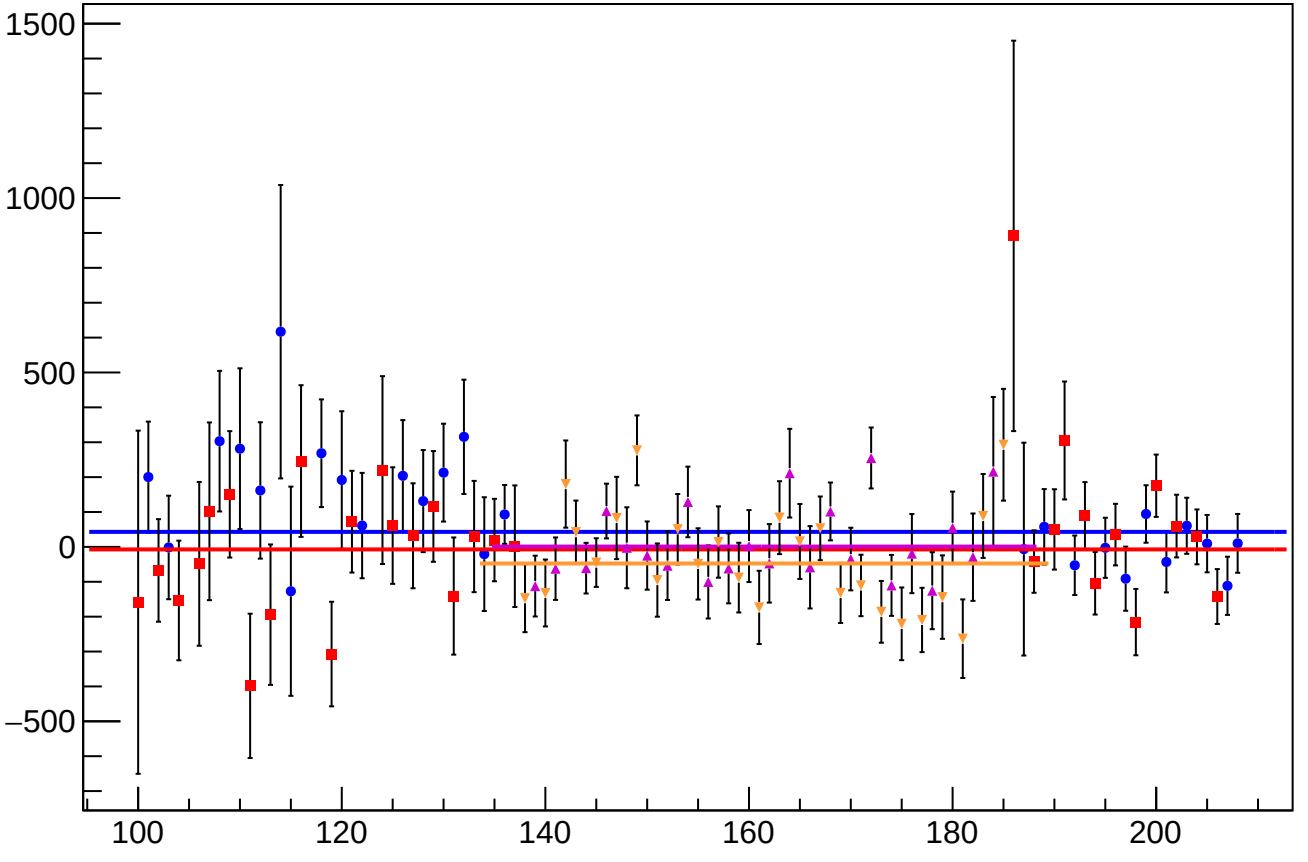
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15686949.9/51

All: 0.000+/-0.000 χ^2/NDF: 31813597.2/105

- sign 0.000+/-0.000 χ^2/NDF: 15766476.5/53

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 43.082+/-22.434 χ^2/NDF: 24.1/26

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -7.237+/-22.927 χ^2/NDF: 35.8/30

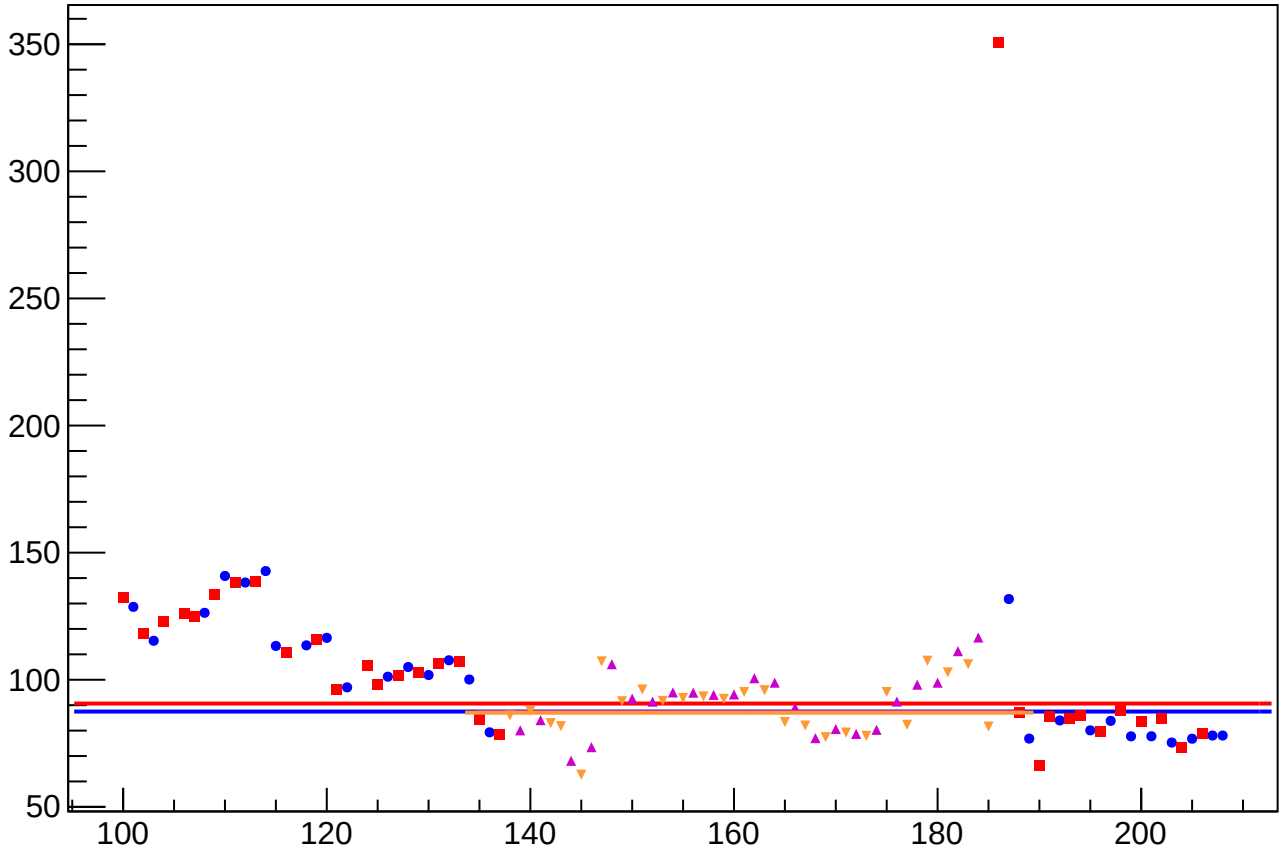
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -7.439+/-14.922 χ^2/NDF: 77.1/51

All: -5.127+/-10.691 χ^2/NDF: 138.5/105

- sign -2.688+/-15.325 χ^2/NDF: 61.4/53

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 87.497+/-0.016 χ^2/NDF: 1069895.7/26

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

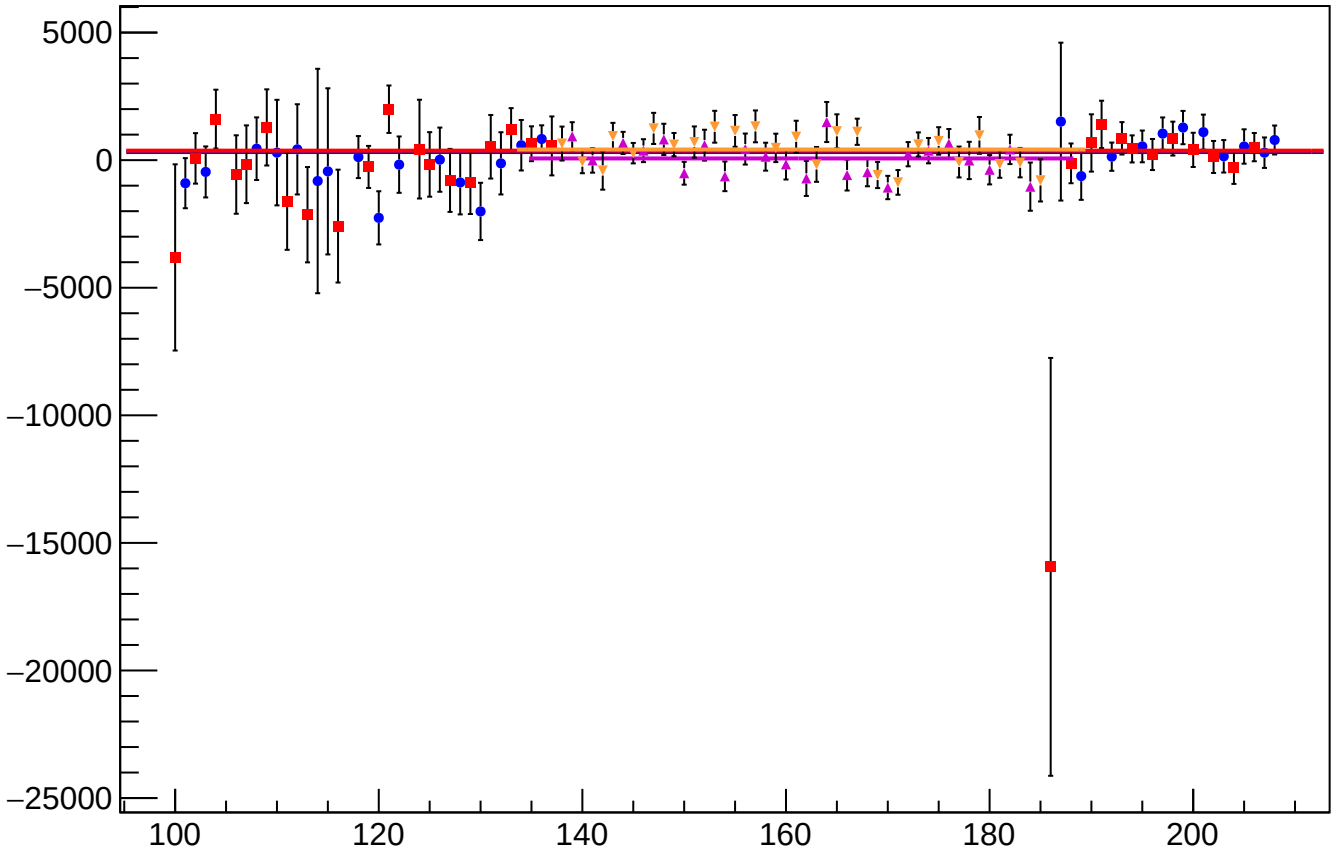
Right Out: 90.649+/-0.016 χ^2/NDF: 1472651.3/30

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 87.260+/-0.011 χ^2/NDF: 1690923.7/51

All: 87.996+/-0.008 χ^2/NDF: 3793579.2/105

- sign 88.772+/-0.011 χ^2/NDF: 2092661.8/53



Right In: 318.001+/-161.117 χ^2/NDF: 22.1/26

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 372.230+/-160.742 χ^2/NDF: 23.1/30

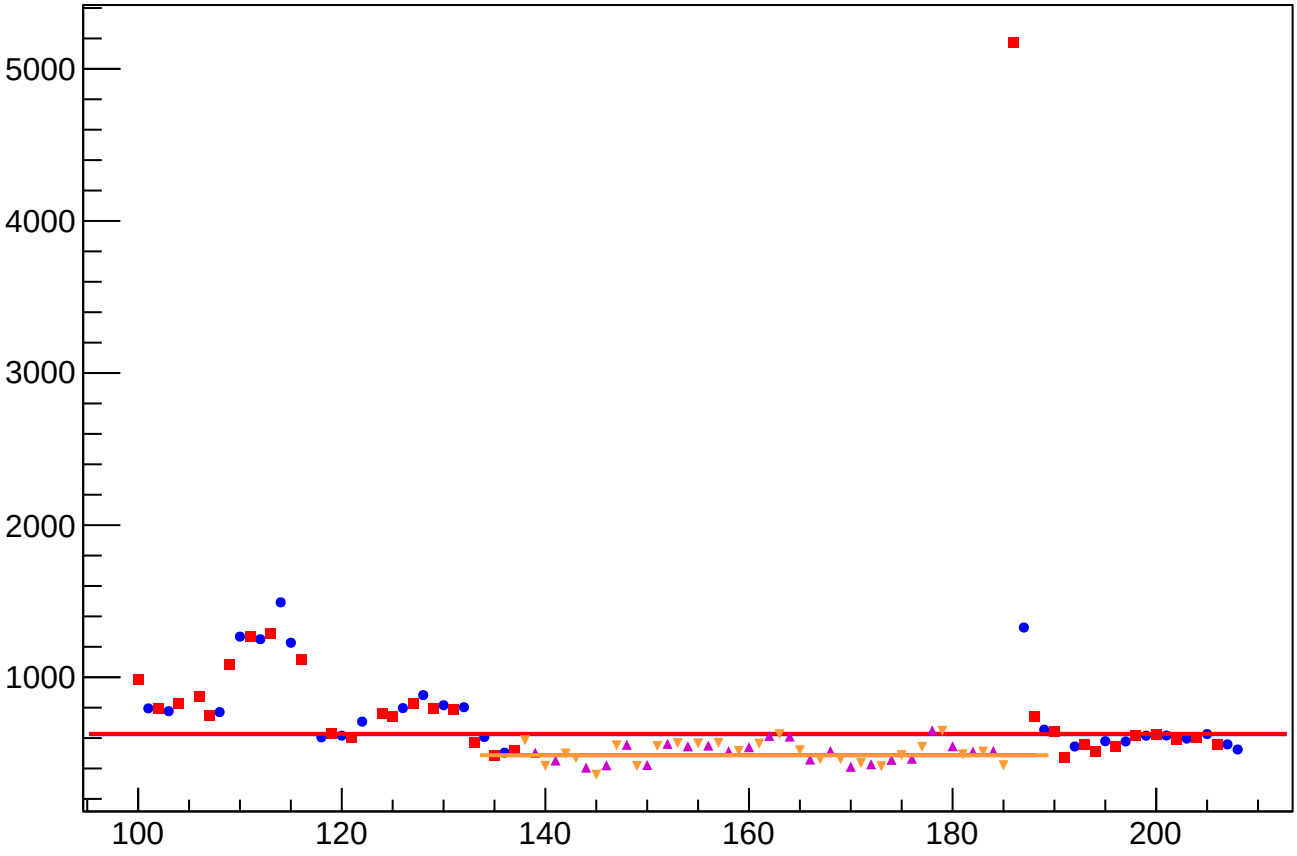
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 384.229+/-92.149 χ^2/NDF: 54.8/51

All: 279.269+/-65.719 χ^2/NDF: 110.4/105

- sign 170.621+/-93.754 χ^2/NDF: 53.0/53

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 625.482+/-0.114 χ^2/NDF: 1321474.6/26

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 627.883+/-0.114 χ^2/NDF: 2147851.8/30

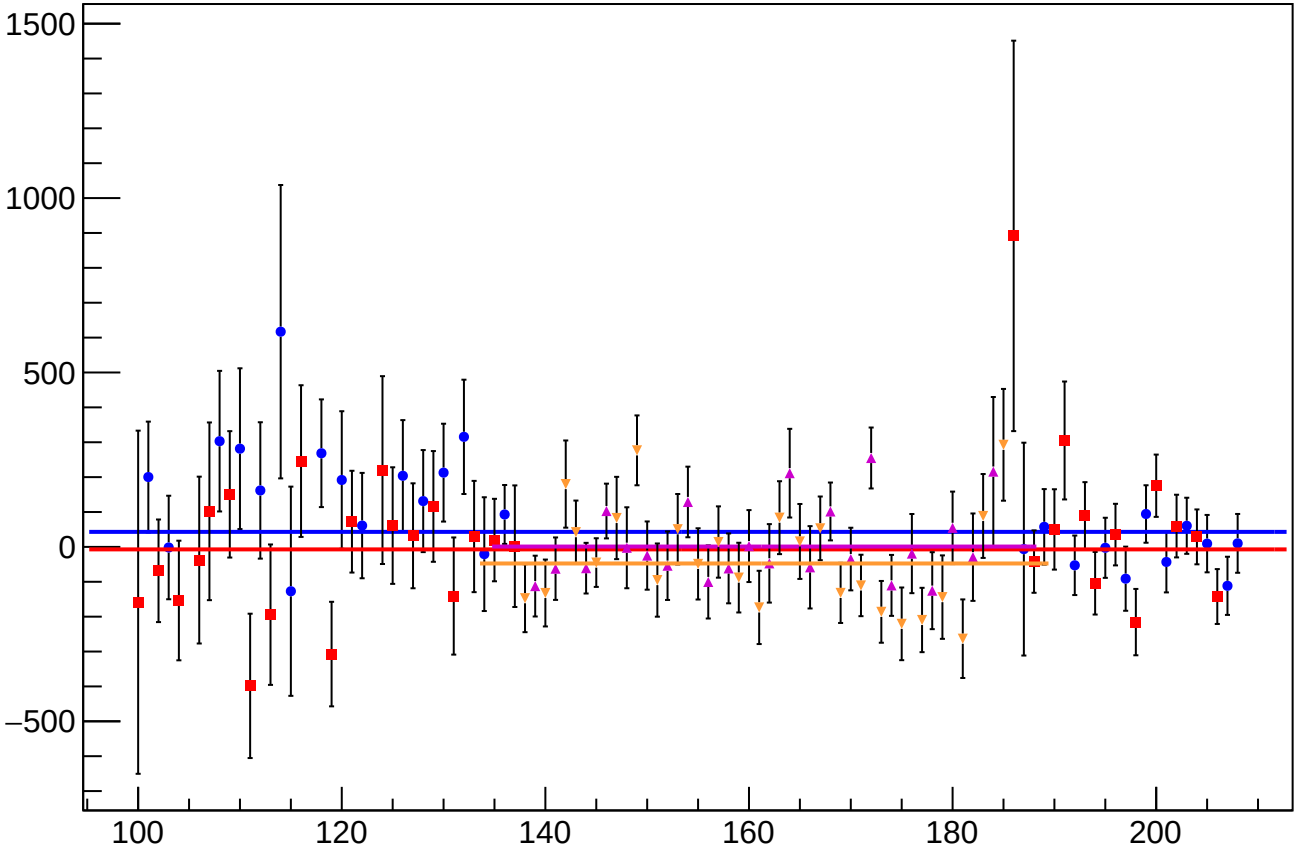
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 532.353+/-0.065 χ^2/NDF: 3135787.3/51

All: 533.919+/-0.046 χ^2/NDF: 6919431.7/105

- sign 535.540+/-0.066 χ^2/NDF: 3782469.3/53

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 43.073+/-22.434 χ^2/NDF: 24.1/26

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -7.147+/-22.931 χ^2/NDF: 35.8/30

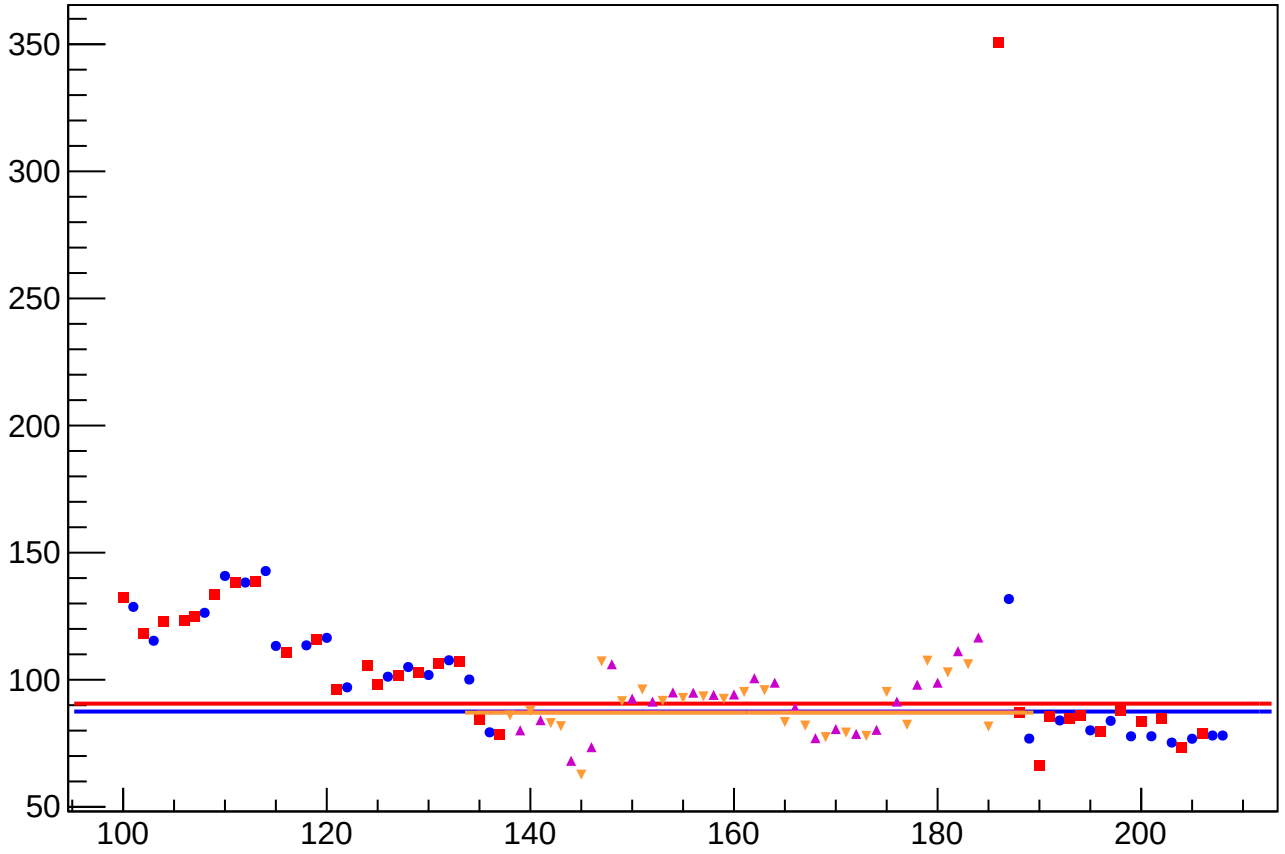
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.447+/-14.922 χ^2/NDF: 77.1/51

All: -5.110+/-10.691 χ^2/NDF: 138.5/105

- sign -2.646+/-15.326 χ^2/NDF: 61.4/53

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 87.497+/-0.016 χ^2/NDF: 1069896.1/26

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

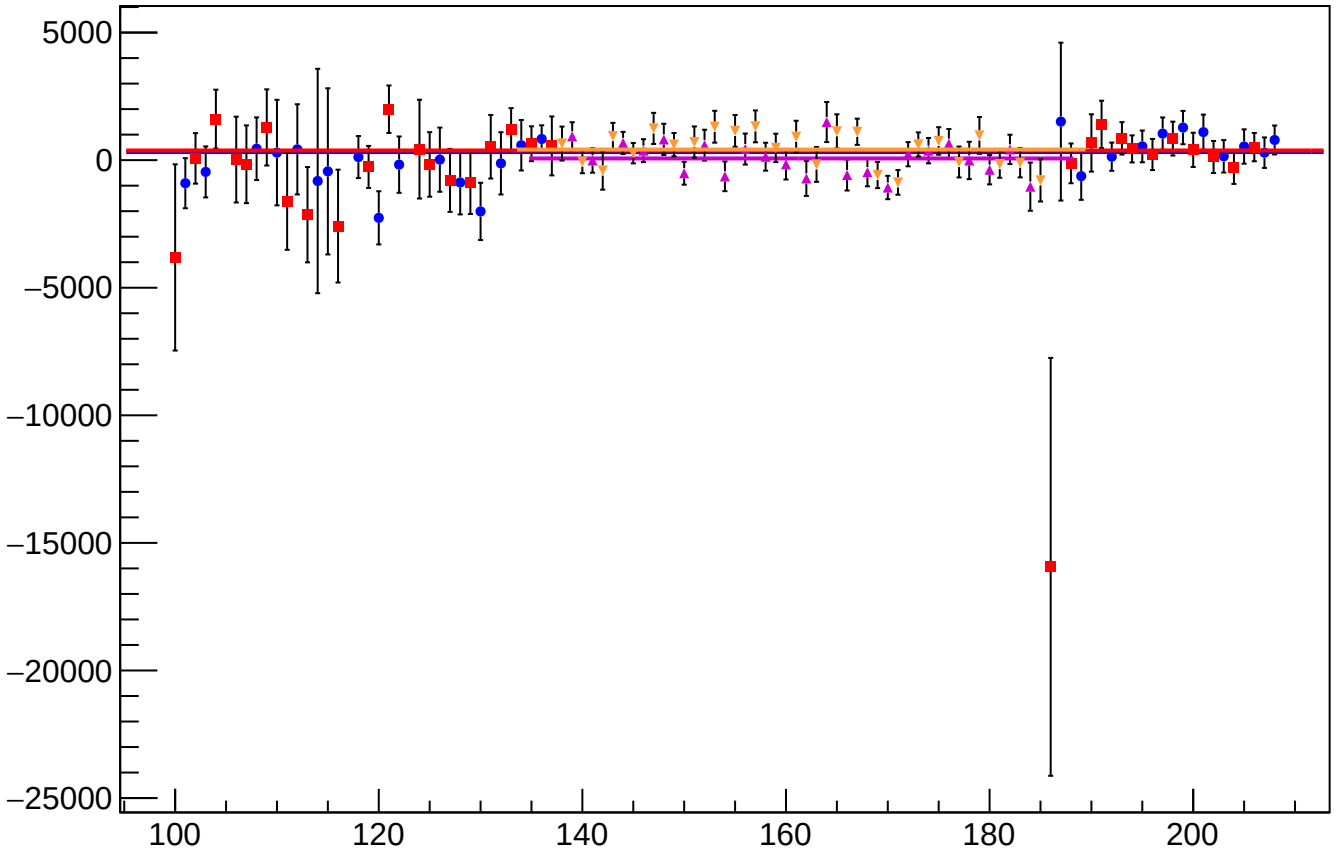
Right Out: 90.611+/-0.016 χ^2/NDF: 1464408.5/30

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 87.260+/-0.011 χ^2/NDF: 1690924.1/51

All: 87.987+/-0.008 χ^2/NDF: 3784568.4/105

- sign 88.755+/-0.011 χ^2/NDF: 2083877.3/53



Right In: 317.999+/-161.117 χ^2/NDF: 22.1/26

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 379.264+/-160.890 χ^2/NDF: 22.8/30

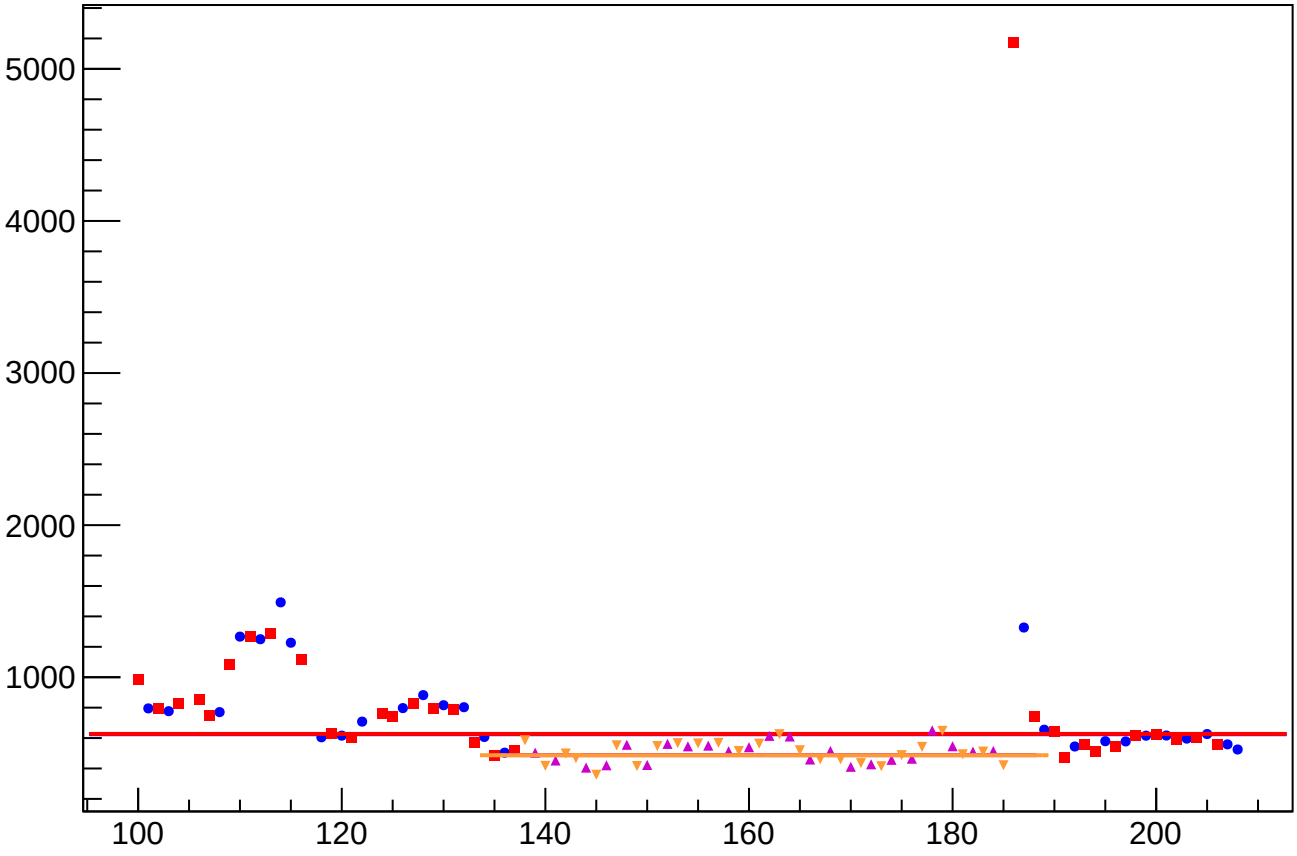
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 384.223+/-92.149 χ^2/NDF: 54.8/51

All: 280.411+/-65.729 χ^2/NDF: 110.2/105

- sign 172.884+/-93.783 χ^2/NDF: 52.8/53

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 625.482+/-0.114 χ^2/NDF: 1321486.8/26

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 627.257+/-0.114 χ^2/NDF: 2132798.5/30

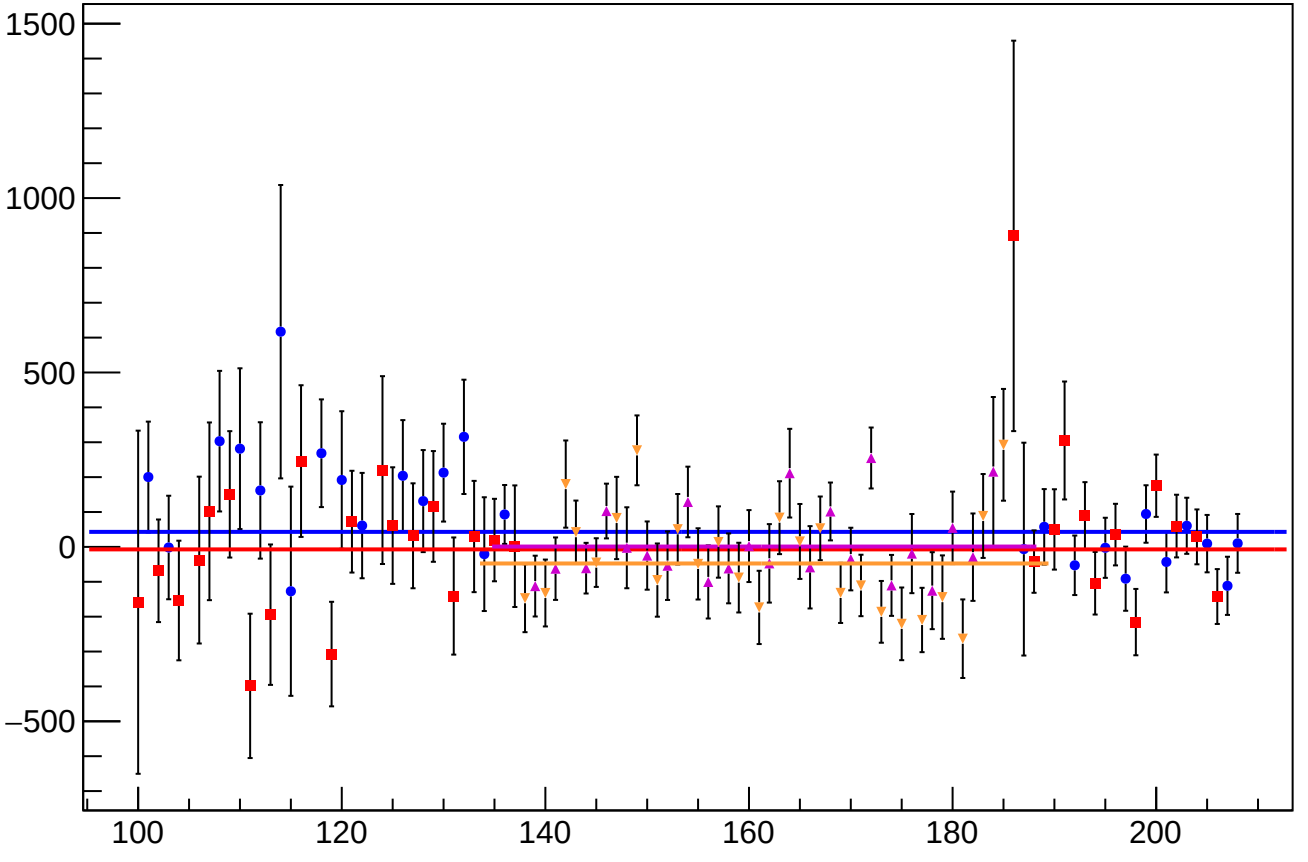
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 532.354+/-0.065 χ^2/NDF: 3135793.1/51

All: 533.786+/-0.046 χ^2/NDF: 6894065.6/105

- sign 535.270+/-0.066 χ^2/NDF: 3757288.8/53

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 43.073+/-22.434 χ^2/NDF: 24.1/26

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -7.147+/-22.931 χ^2/NDF: 35.8/30

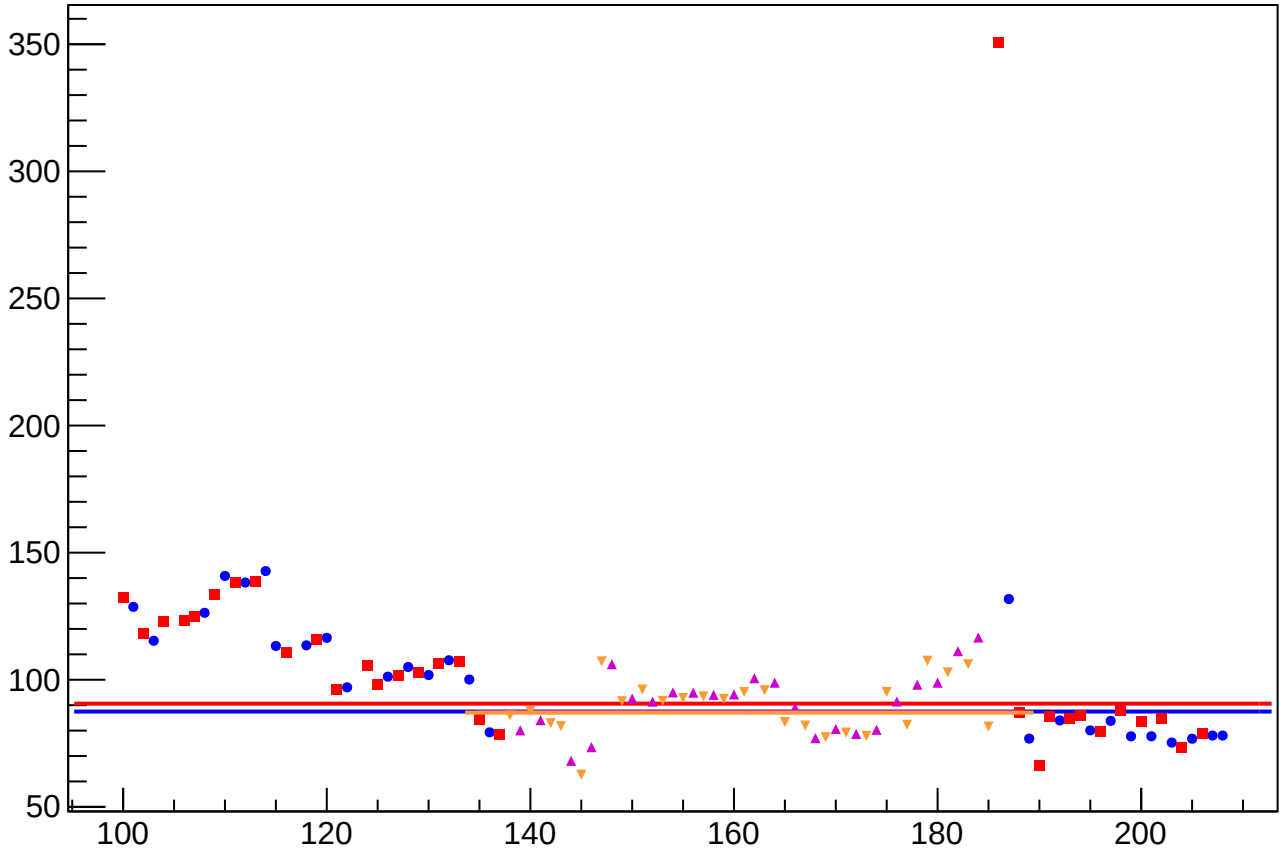
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.447+/-14.922 χ^2/NDF: 77.1/51

All: -5.110+/-10.691 χ^2/NDF: 138.5/105

- sign -2.646+/-15.326 χ^2/NDF: 61.4/53

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 87.497+/-0.016 χ^2/NDF: 1069896.1/26

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

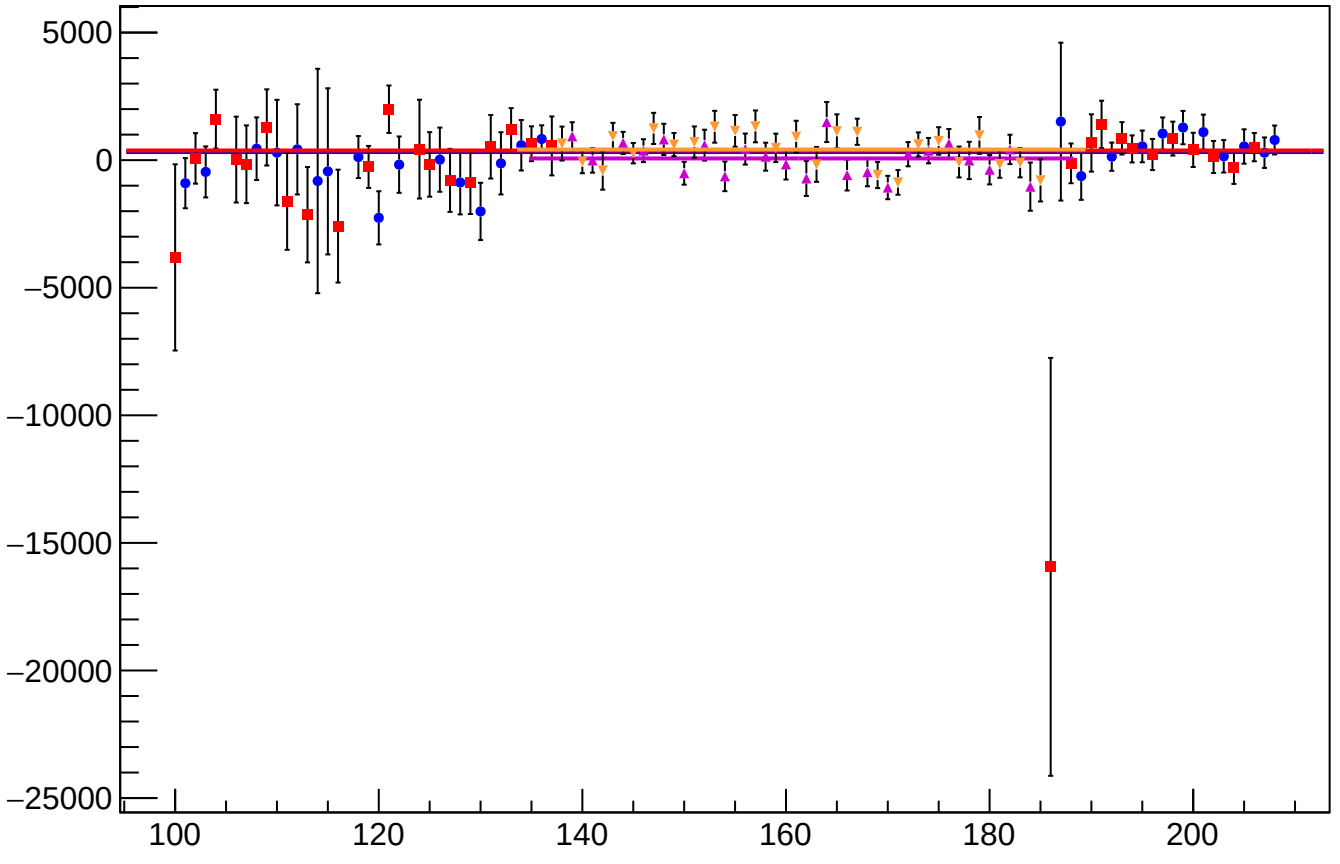
Right Out: 90.611+/-0.016 χ^2/NDF: 1464408.5/30

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 87.260+/-0.011 χ^2/NDF: 1690924.1/51

All: 87.987+/-0.008 χ^2/NDF: 3784568.4/105

- sign 88.755+/-0.011 χ^2/NDF: 2083877.3/53



Right In: 317.999+/-161.117 χ^2/NDF: 22.1/26

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

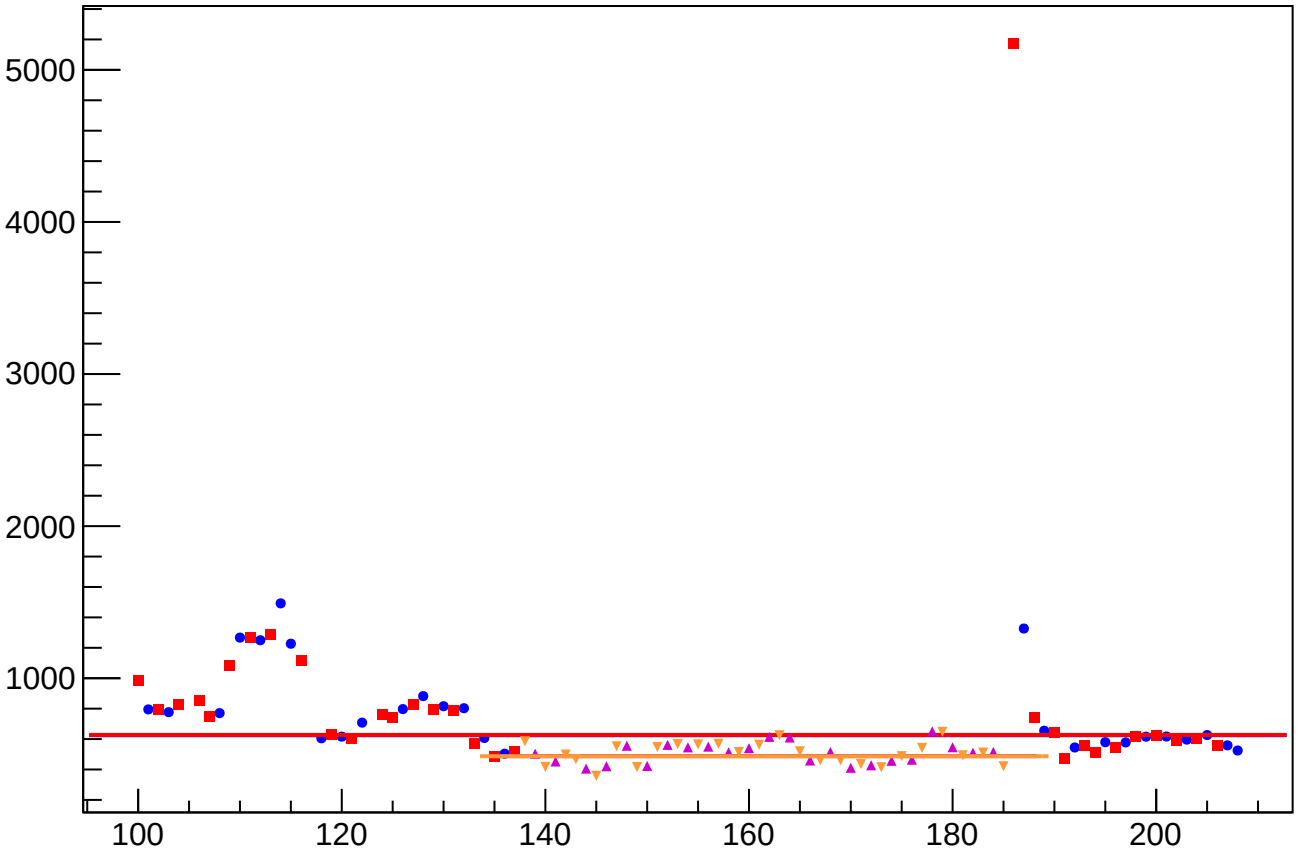
Right Out: 379.264+/-160.890 χ^2/NDF: 22.8/30

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 384.223+/-92.149 χ^2/NDF: 54.8/51

All: 280.411+/-65.729 χ^2/NDF: 110.2/105

- sign 172.884+/-93.783 χ^2/NDF: 52.8/53



Right In: 625.482+/-0.114 χ^2/NDF: 1321486.8/26

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 627.257+/-0.114 χ^2/NDF: 2132798.5/30

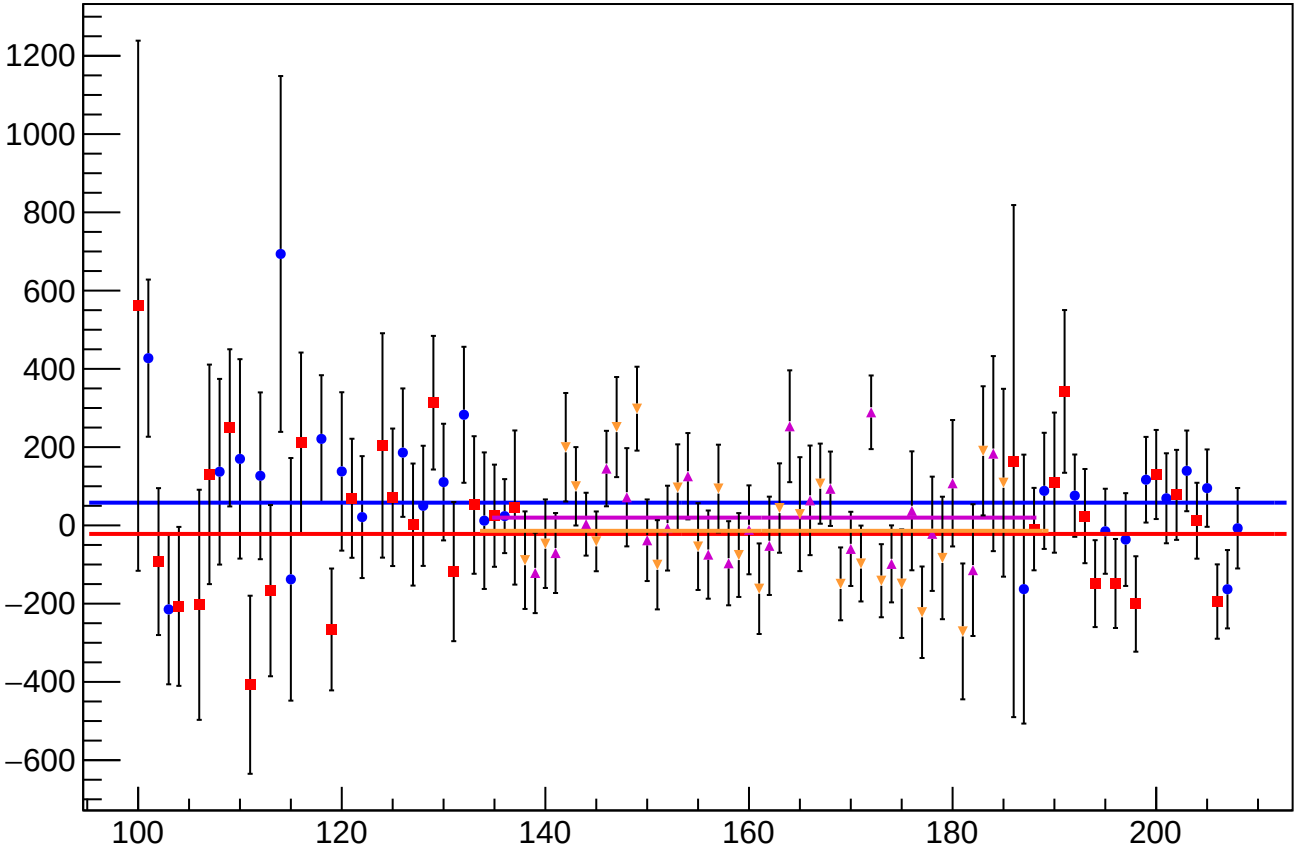
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 532.354+/-0.065 χ^2/NDF: 3135793.1/51

All: 533.786+/-0.046 χ^2/NDF: 6894065.6/105

- sign 535.270+/-0.066 χ^2/NDF: 3757288.8/53

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 58.059+/-26.937 χ^2/NDF: 19.9/26

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -21.831+/-27.451 χ^2/NDF: 31.4/30

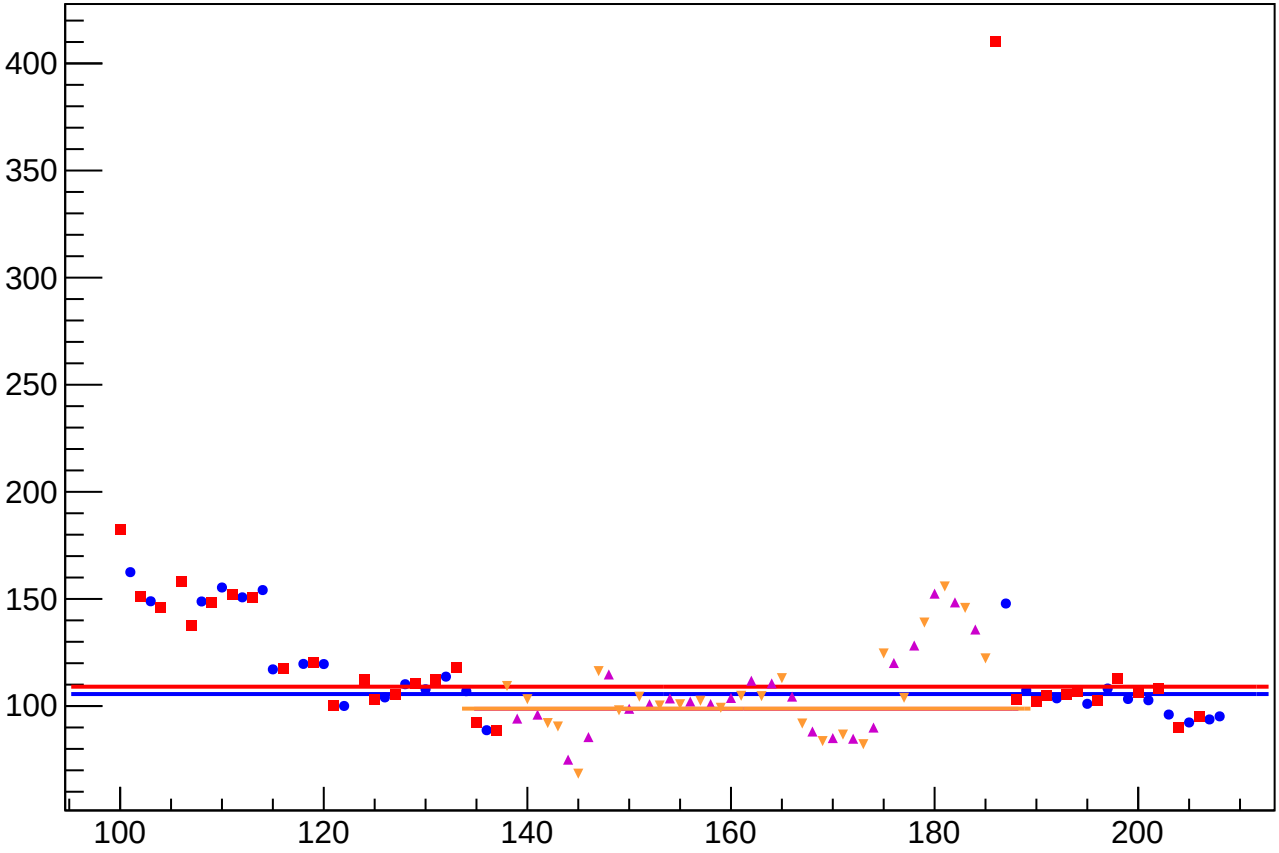
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 16.311+/-17.455 χ^2/NDF: 60.4/51

All: 9.395+/-12.491 χ^2/NDF: 116.7/105

\- sign 2.135+/-17.883 χ^2/NDF: 56.0/53

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 105.602+/-0.019 χ^2/NDF: 758185.2/26

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

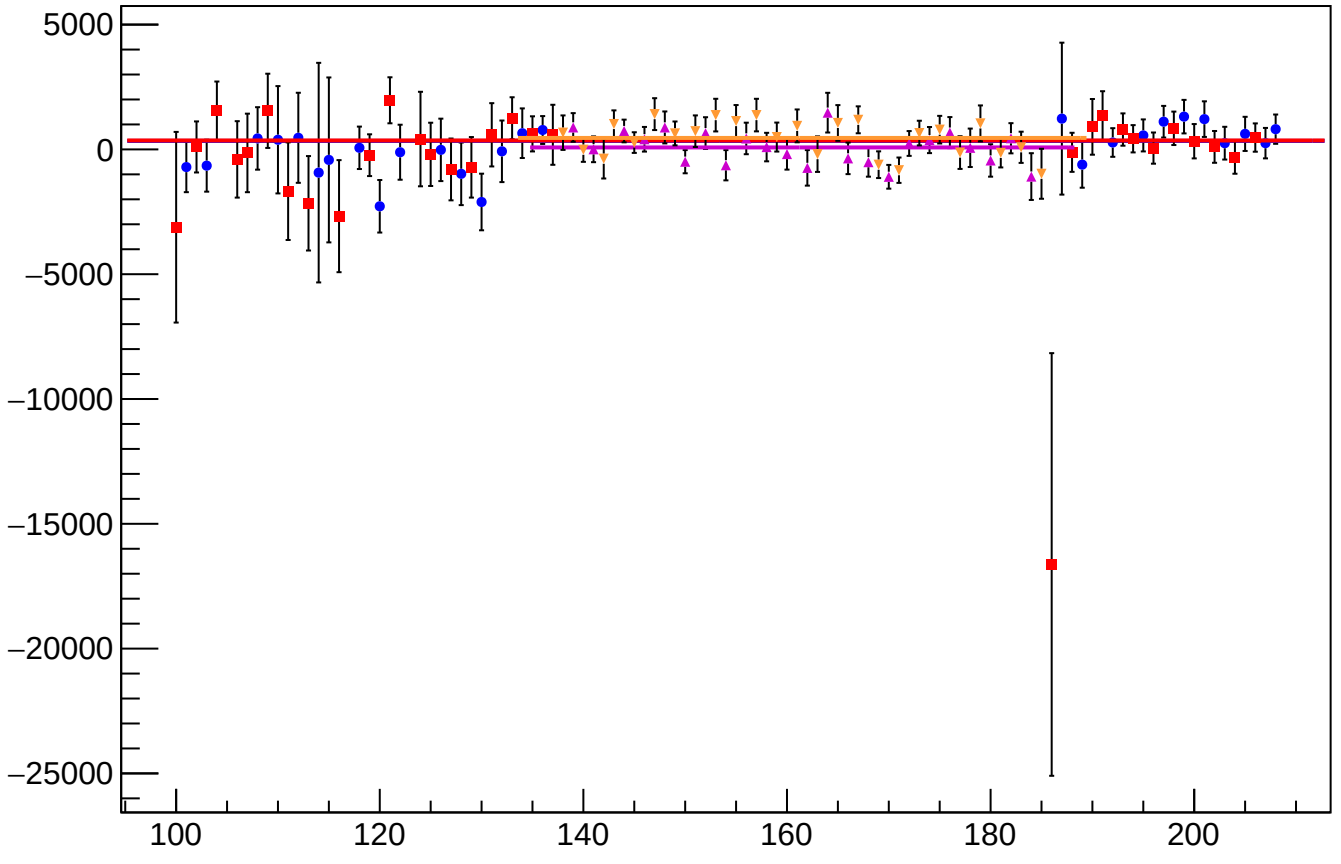
Right Out: 109.039+/-0.019 χ^2/NDF: 1138387.2/30

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 101.655+/-0.012 χ^2/NDF: 2018002.0/51

All: 102.346+/-0.009 χ^2/NDF: 4314790.3/105

- sign 103.072+/-0.013 χ^2/NDF: 2290358.9/53



Right In: 340.252+/-164.991 χ^2/NDF: 22.5/26

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 357.508+/-163.604 χ^2/NDF: 22.4/30

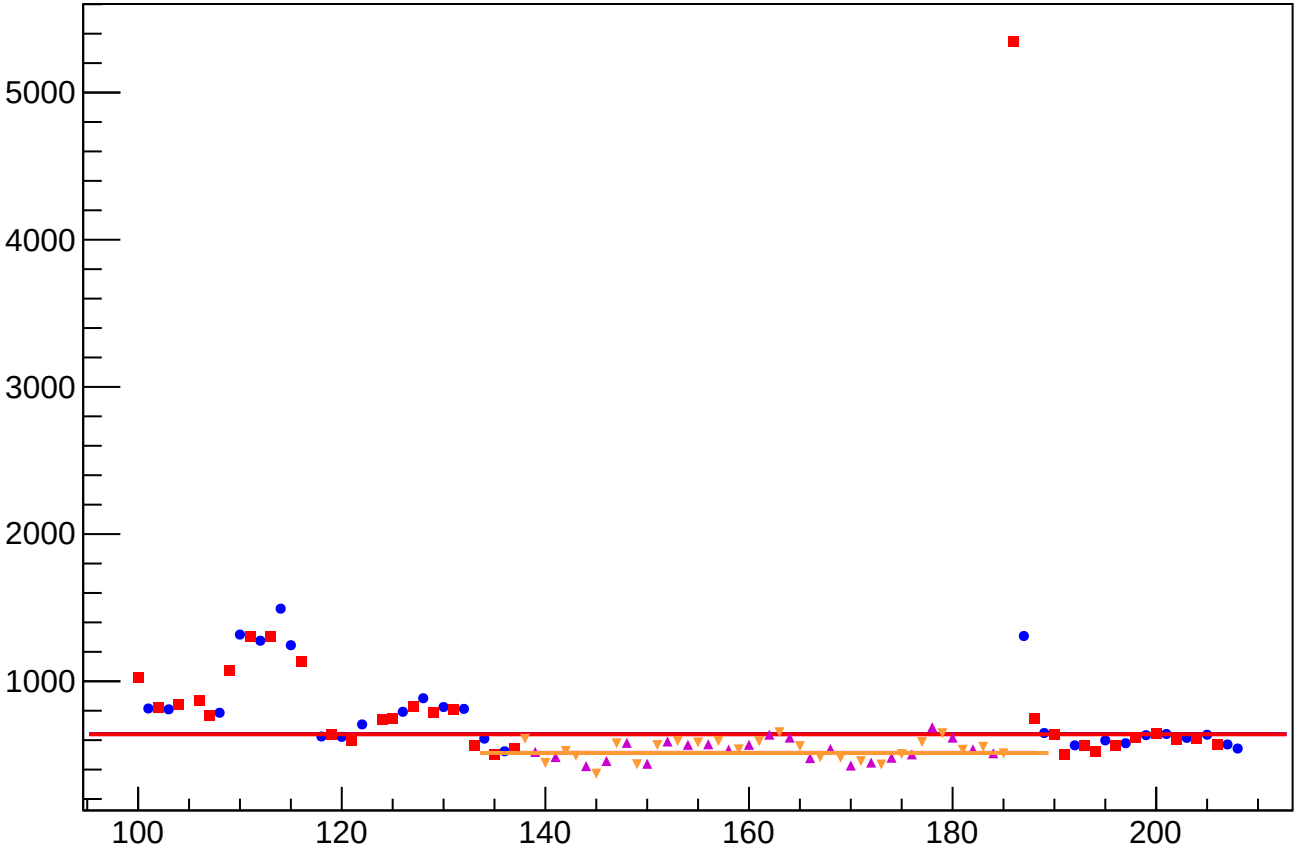
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 418.827+/-96.039 χ^2/NDF: 53.6/51

All: 300.145+/-68.424 χ^2/NDF: 107.2/105

- sign 177.800+/-97.510 χ^2/NDF: 50.5/53

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 641.338+/-0.117 χ^2/NDF: 1265128.9/26

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 640.031+/-0.116 χ^2/NDF: 2080040.0/30

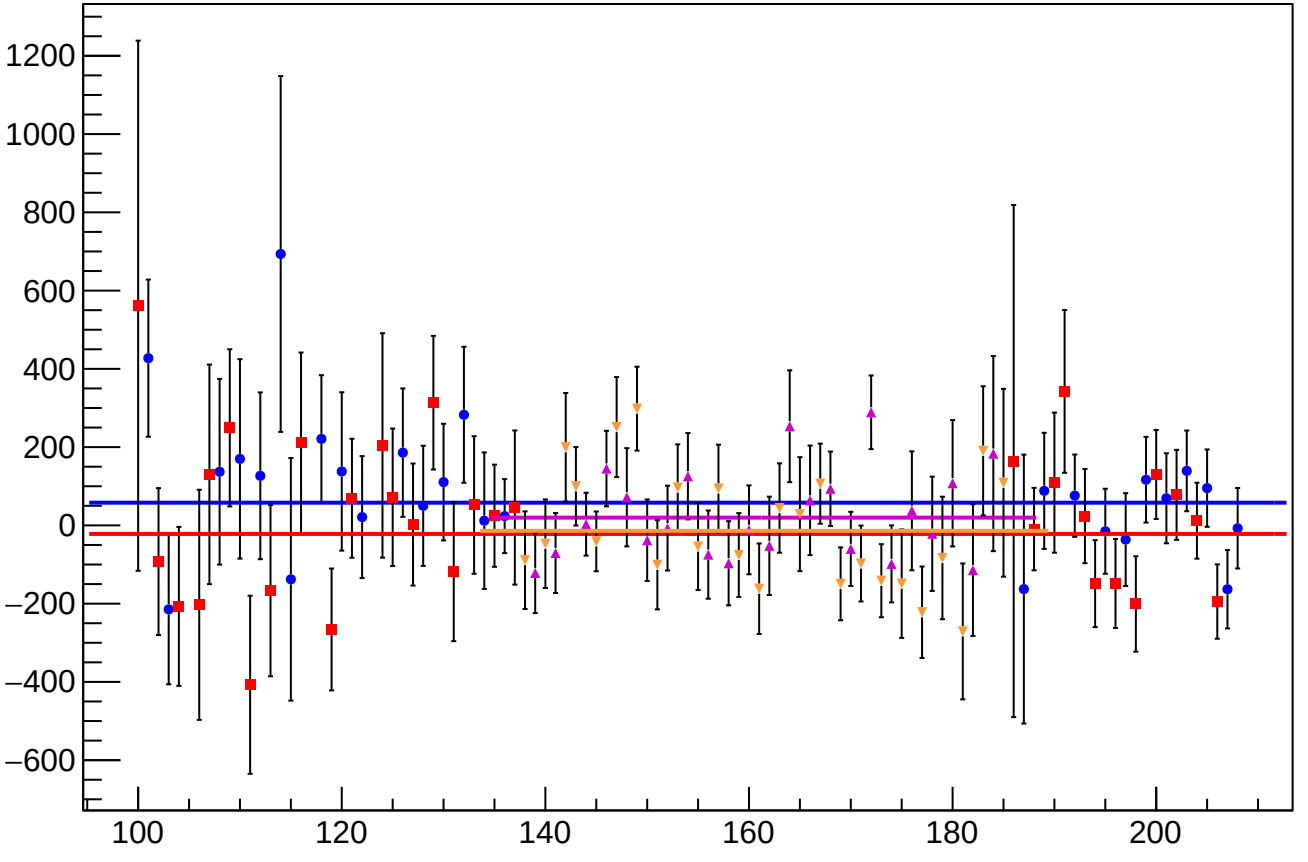
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 556.331+/-0.068 χ^2/NDF: 2867343.8/51

All: 557.334+/-0.048 χ^2/NDF: 6354684.3/105

- sign 558.367+/-0.069 χ^2/NDF: 3486897.9/53

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 58.058+/-26.937 χ^2/NDF: 19.9/26

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -21.832+/-27.451 χ^2/NDF: 31.4/30

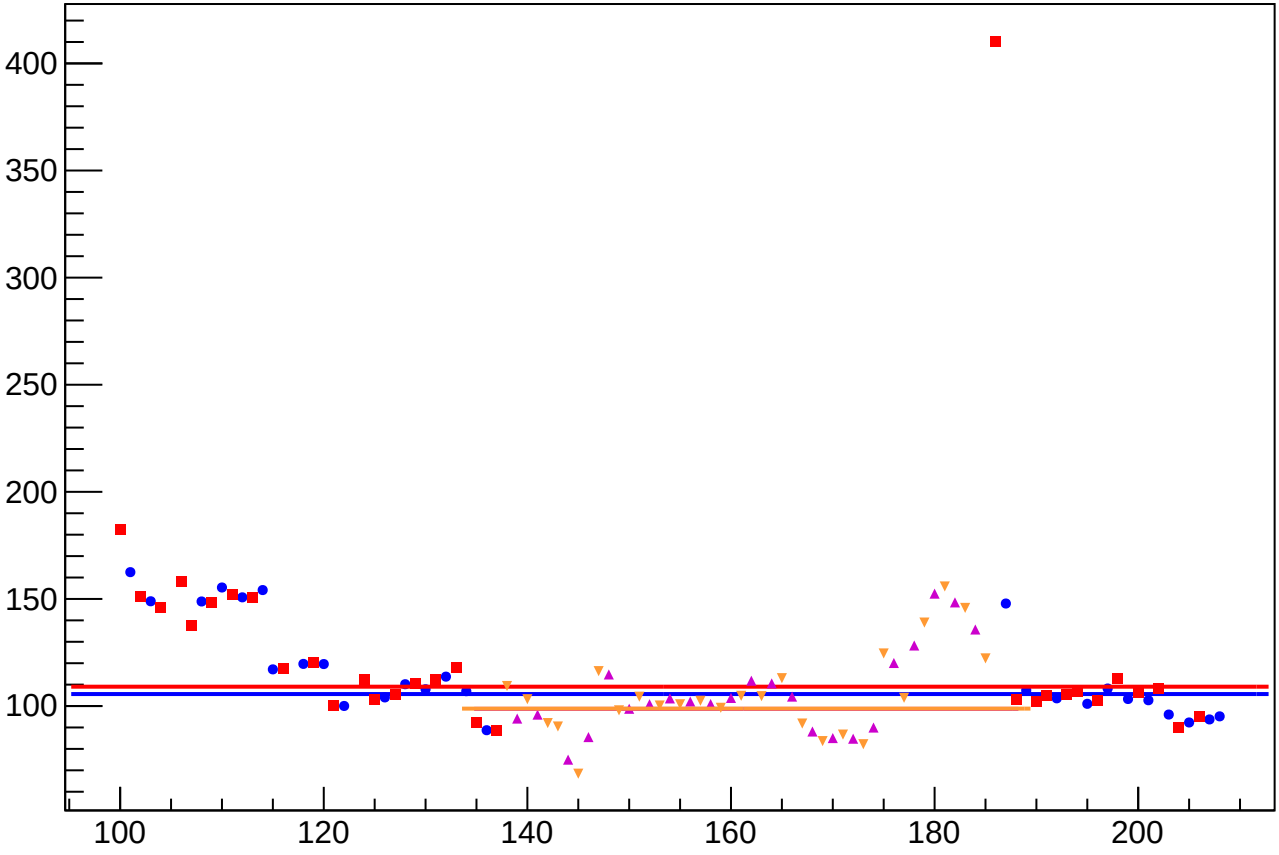
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 16.309+/-17.455 χ^2/NDF: 60.4/51

All: 9.394+/-12.491 χ^2/NDF: 116.7/105

\- sign 2.135+/-17.883 χ^2/NDF: 56.0/53

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 105.602+/-0.019 χ^2/NDF: 758175.8/26

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

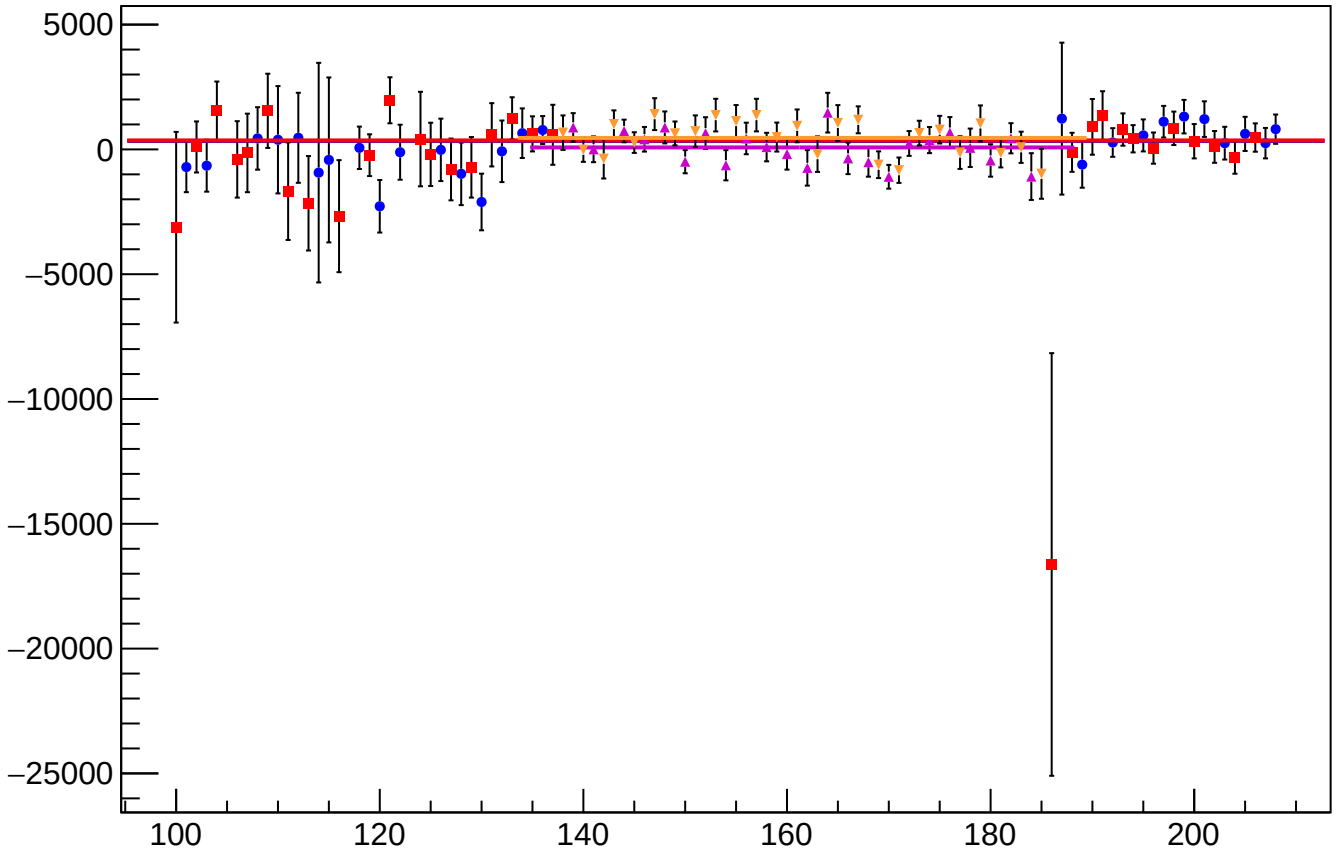
Right Out: 109.039+/-0.019 χ^2/NDF: 1138373.7/30

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 101.655+/-0.012 χ^2/NDF: 2017999.0/51

All: 102.346+/-0.009 χ^2/NDF: 4314768.5/105

- sign 103.072+/-0.013 χ^2/NDF: 2290339.7/53



Right In: 340.251+/-164.991 χ^2/NDF: 22.5/26

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: 357.507+/-163.604 χ^2/NDF: 22.4/30

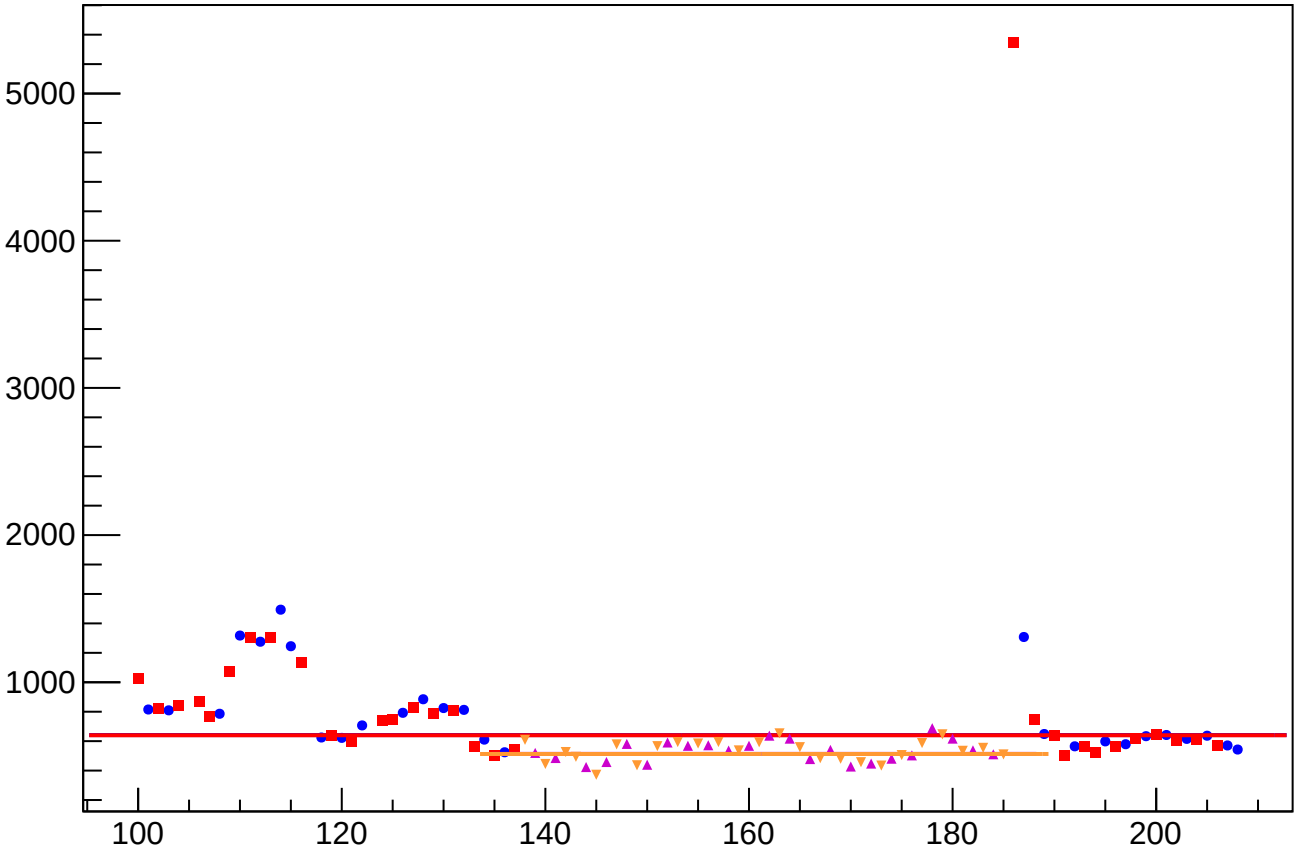
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 418.826+/-96.039 χ^2/NDF: 53.6/51

All: 300.145+/-68.424 χ^2/NDF: 107.2/105

- sign 177.800+/-97.510 χ^2/NDF: 50.5/53

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug



Right In: 641.337+/-0.117 χ^2/NDF: 1265125.5/26

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 640.030+/-0.116 χ^2/NDF: 2080036.2/30

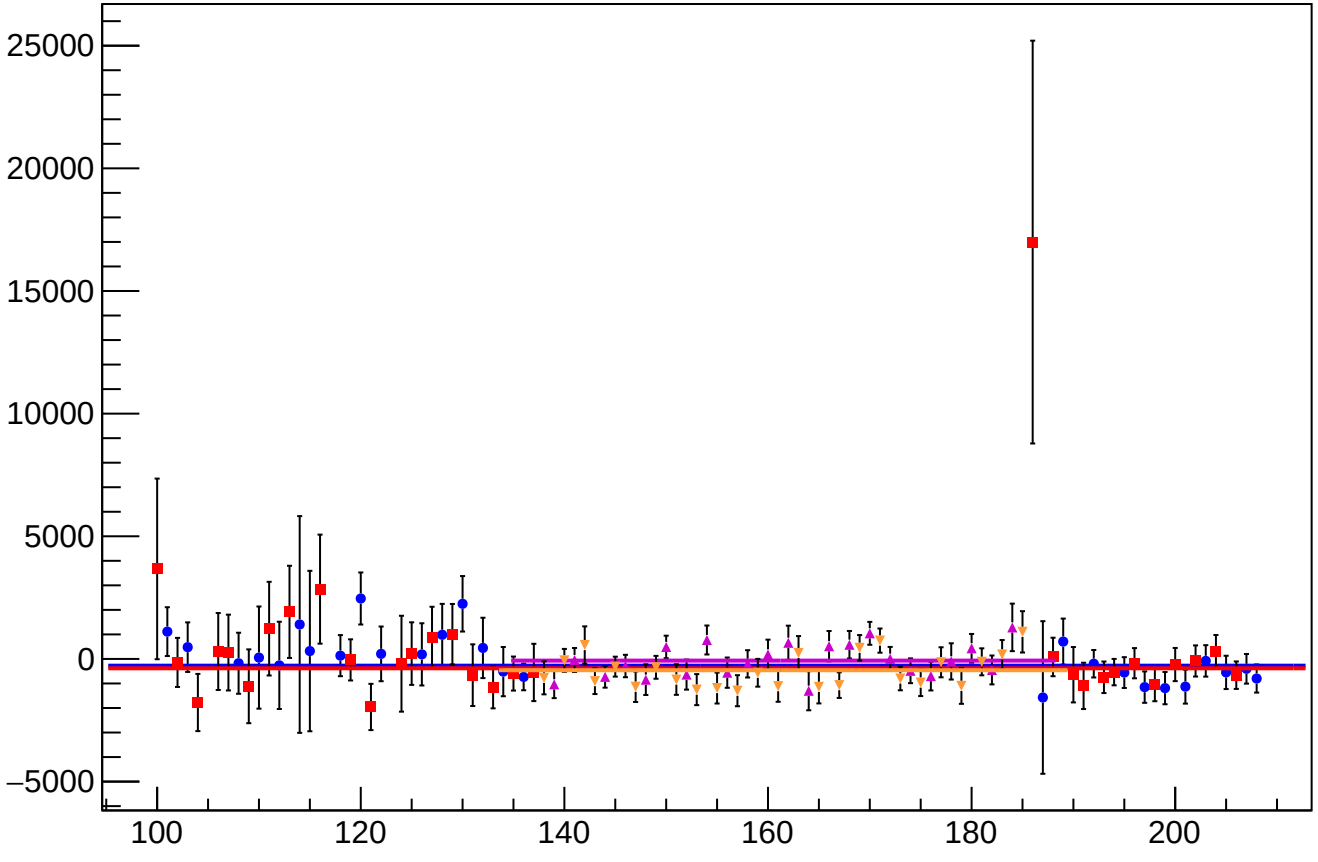
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 556.331+/-0.068 χ^2/NDF: 2867334.3/51

All: 557.333+/-0.048 χ^2/NDF: 6354657.7/105

- sign 558.367+/-0.069 χ^2/NDF: 3486880.9/53

asym_sam_26_48_dd_mean vs Slug



Right In: -274.831+/-162.843 χ^2/NDF: 25.0/26

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -381.295+/-162.588 χ^2/NDF: 22.7/30

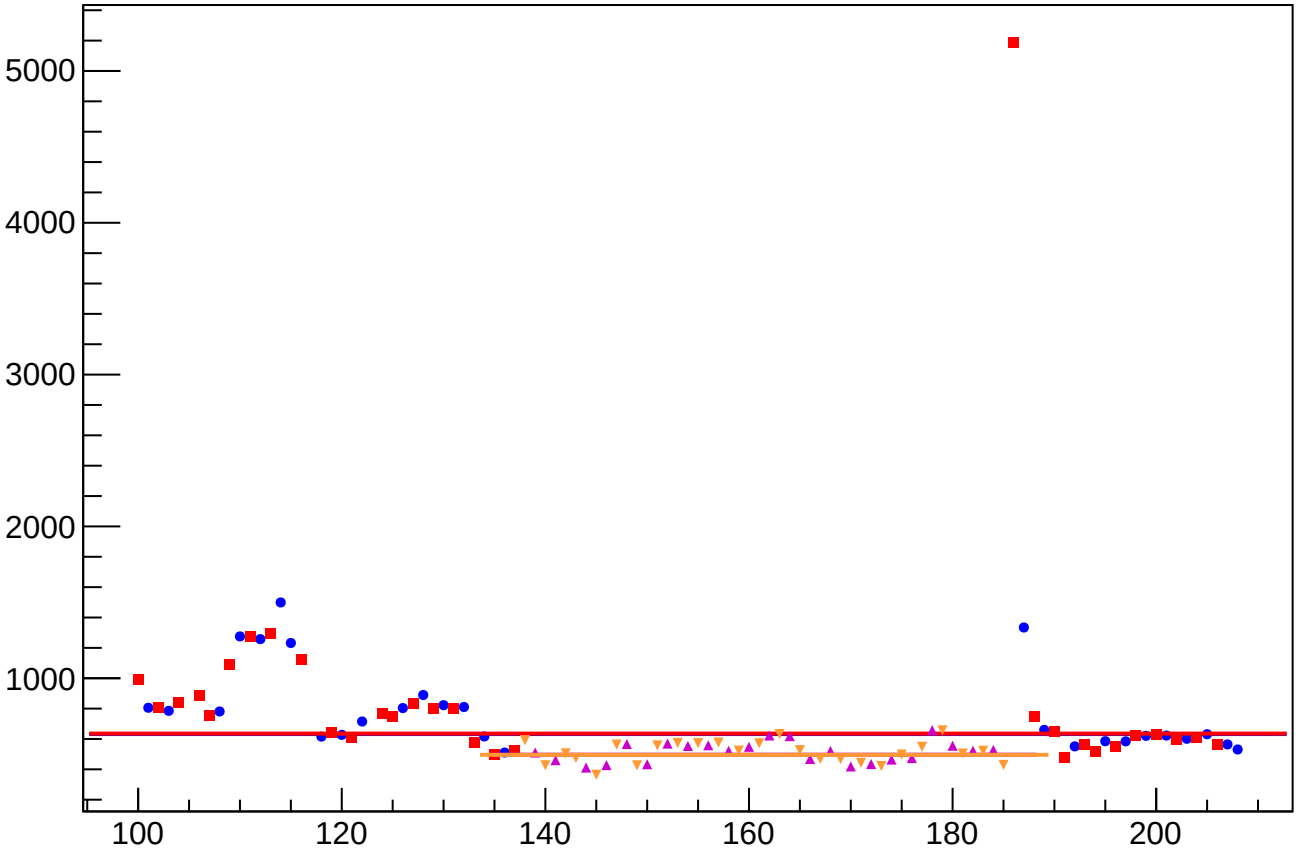
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -398.839+/-93.518 χ^2/NDF: 56.7/51

All: -289.045+/-66.701 χ^2/NDF: 113.3/105

- sign -175.355+/-95.163 χ^2/NDF: 53.8/53

asym_sam_26_48_dd_rms vs Slug



Right In: 632.346+/-0.115 χ^2/NDF: 1310136.3/26

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

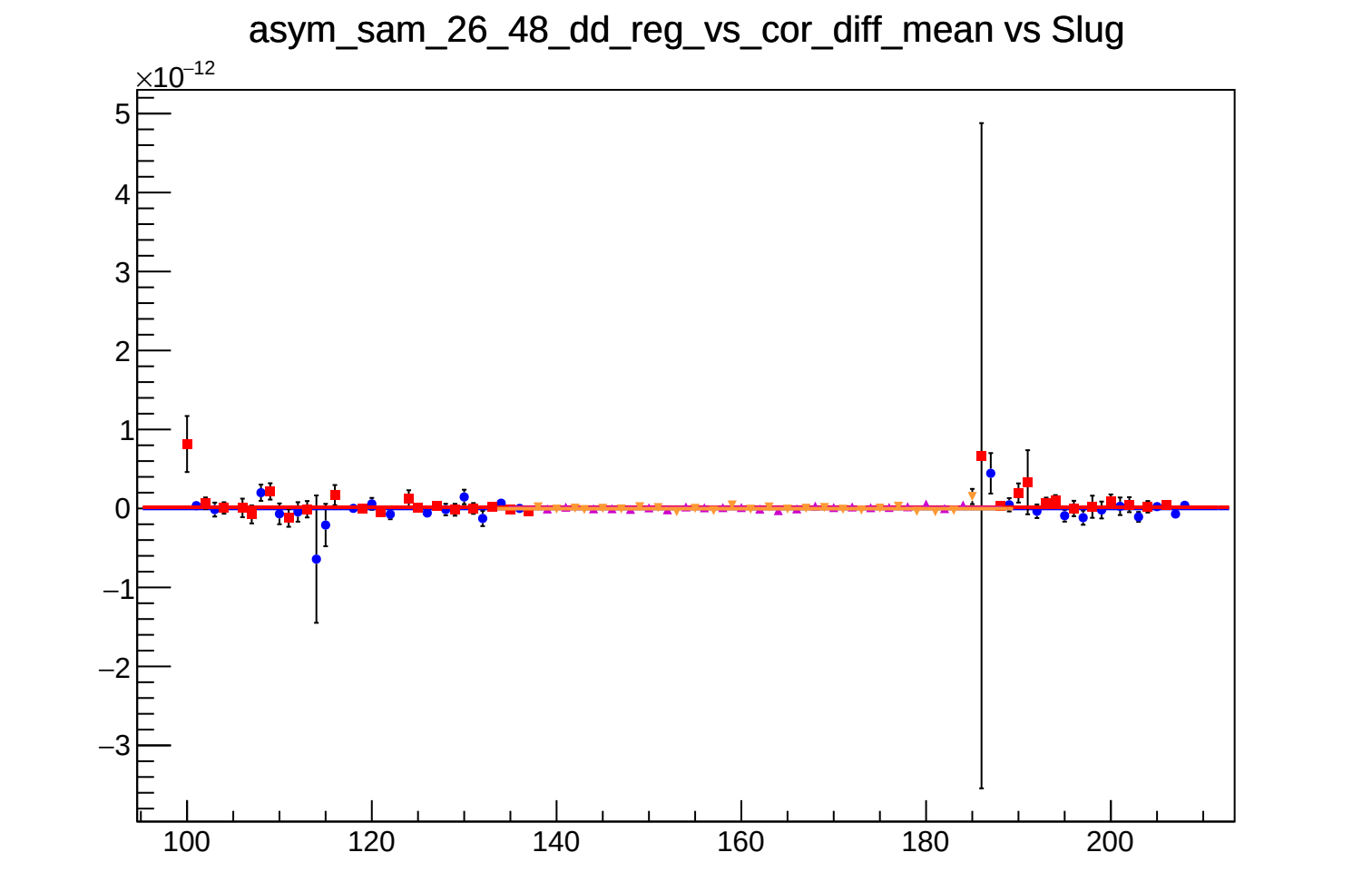
Right Out: 635.357+/-0.115 χ^2/NDF: 2126914.2/30

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 540.641+/-0.066 χ^2/NDF: 3061193.3/51

All: 542.263+/-0.047 χ^2/NDF: 6773385.1/105

- sign 543.942+/-0.067 χ^2/NDF: 3710967.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

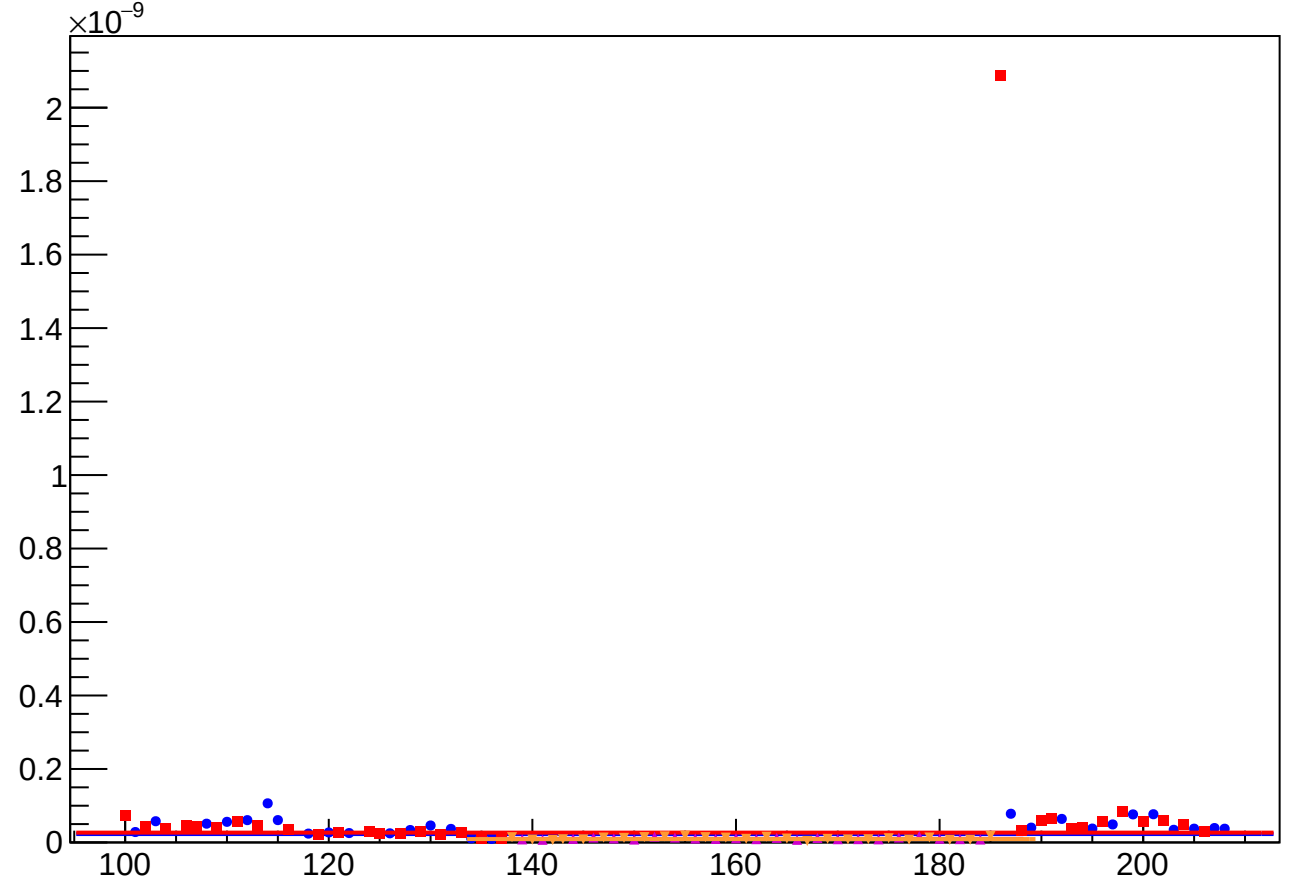
Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/30

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.9/51

All: 0.000+/-0.000 χ^2/NDF: 101.5/105

- sign 0.000+/-0.000 χ^2/NDF: 41.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 5221465.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4047074.6/30

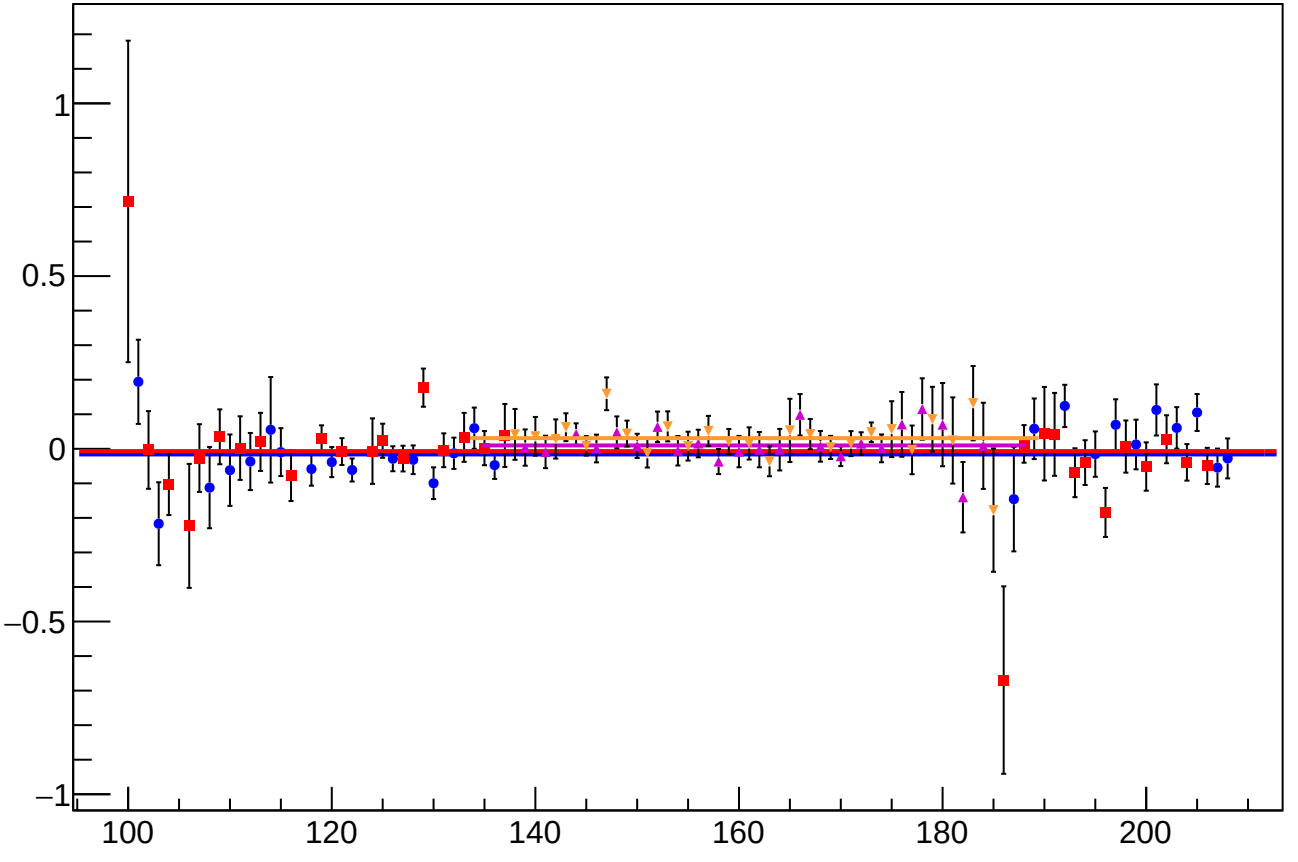
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10219981.0/51

All: 0.000+/-0.000 χ^2/NDF: 18893855.5/105

- sign 0.000+/-0.000 χ^2/NDF: 8627043.1/53

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/26

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.007+/-0.012 χ^2/NDF: 35.0/30

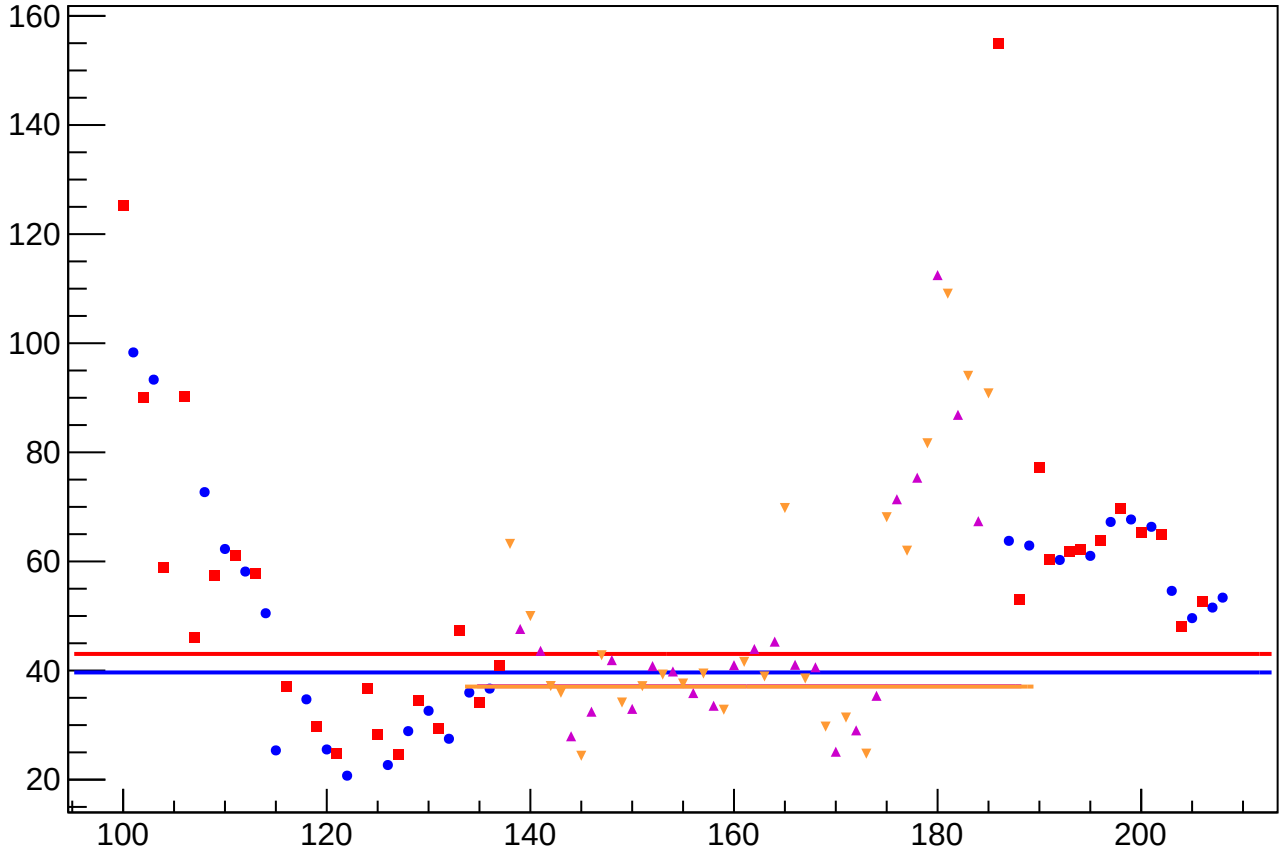
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 62.8/51

All: 0.008+/-0.005 χ^2/NDF: 112.9/105

- sign 0.003+/-0.007 χ^2/NDF: 49.4/53

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 39.650+/-0.008 χ^2/NDF: 4846062.7/26

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

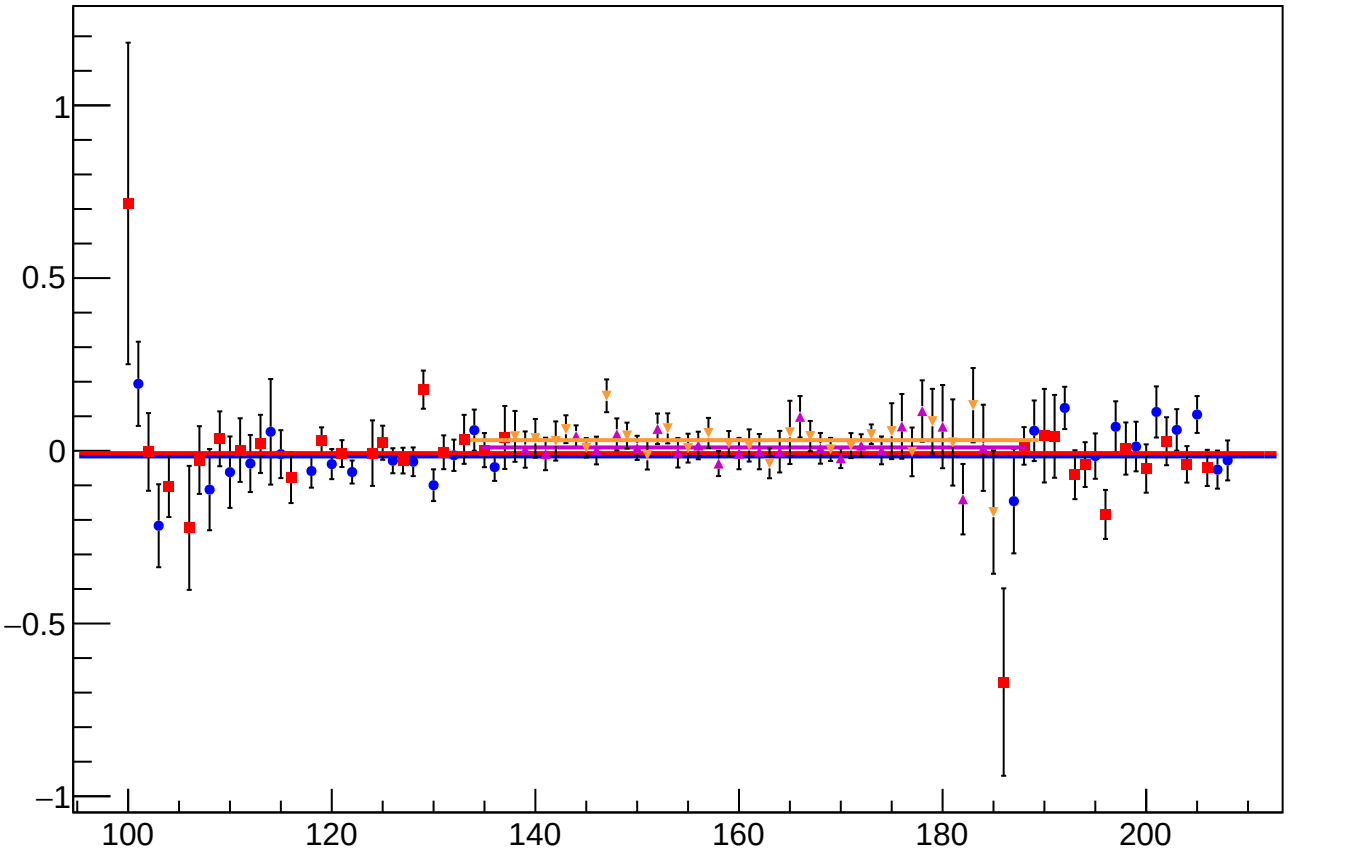
Right Out: 43.045+/-0.008 χ^2/NDF: 4262253.1/30

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 38.114+/-0.005 χ^2/NDF: 8965574.4/51

All: 38.761+/-0.004 χ^2/NDF: 16590044.8/105

- sign 39.460+/-0.005 χ^2/NDF: 7589172.8/53



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/26

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

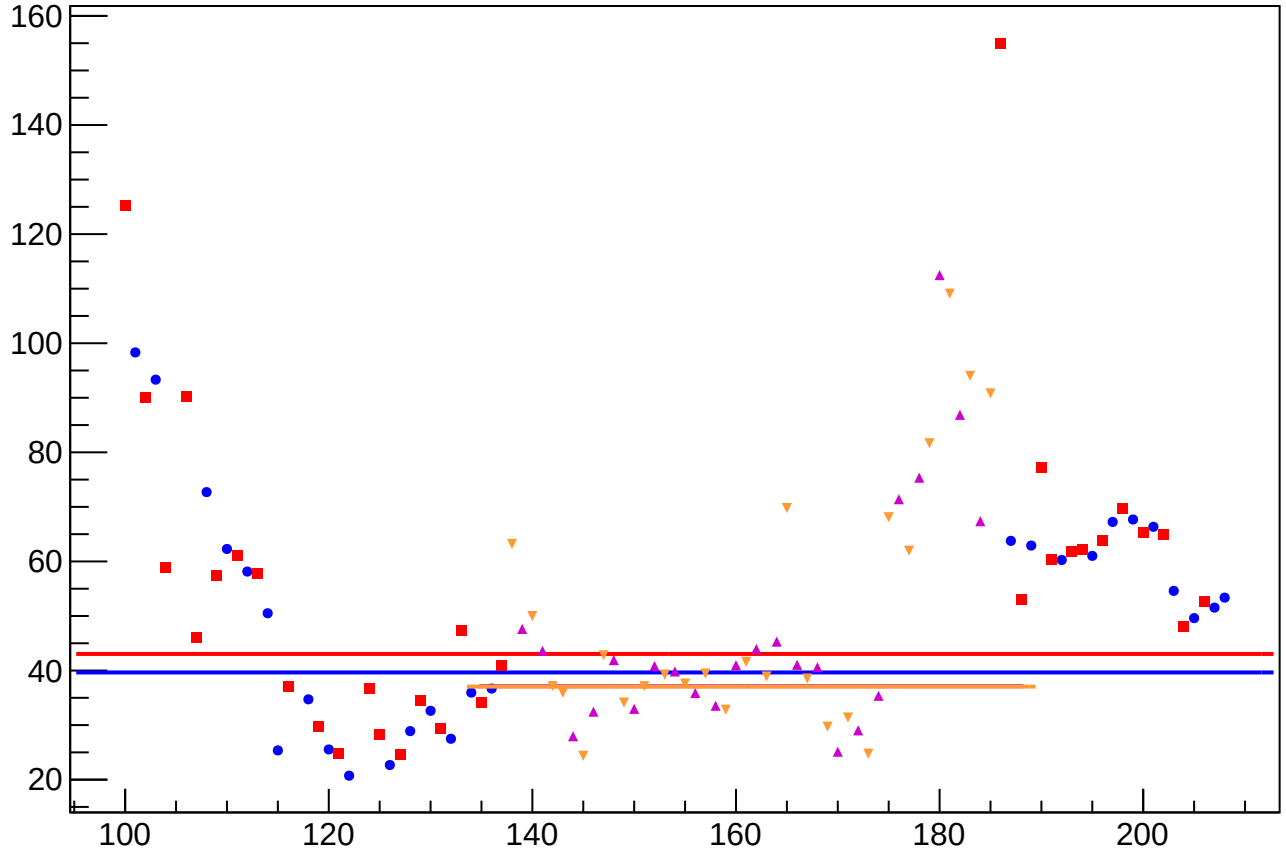
Right Out: -0.007+/-0.012 χ^2/NDF: 35.0/30

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 62.8/51

All: 0.008+/-0.005 χ^2/NDF: 112.9/105

- sign 0.003+/-0.007 χ^2/NDF: 49.4/53



Right In: 39.650+/-0.008 χ^2/NDF: 4846062.7/26

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

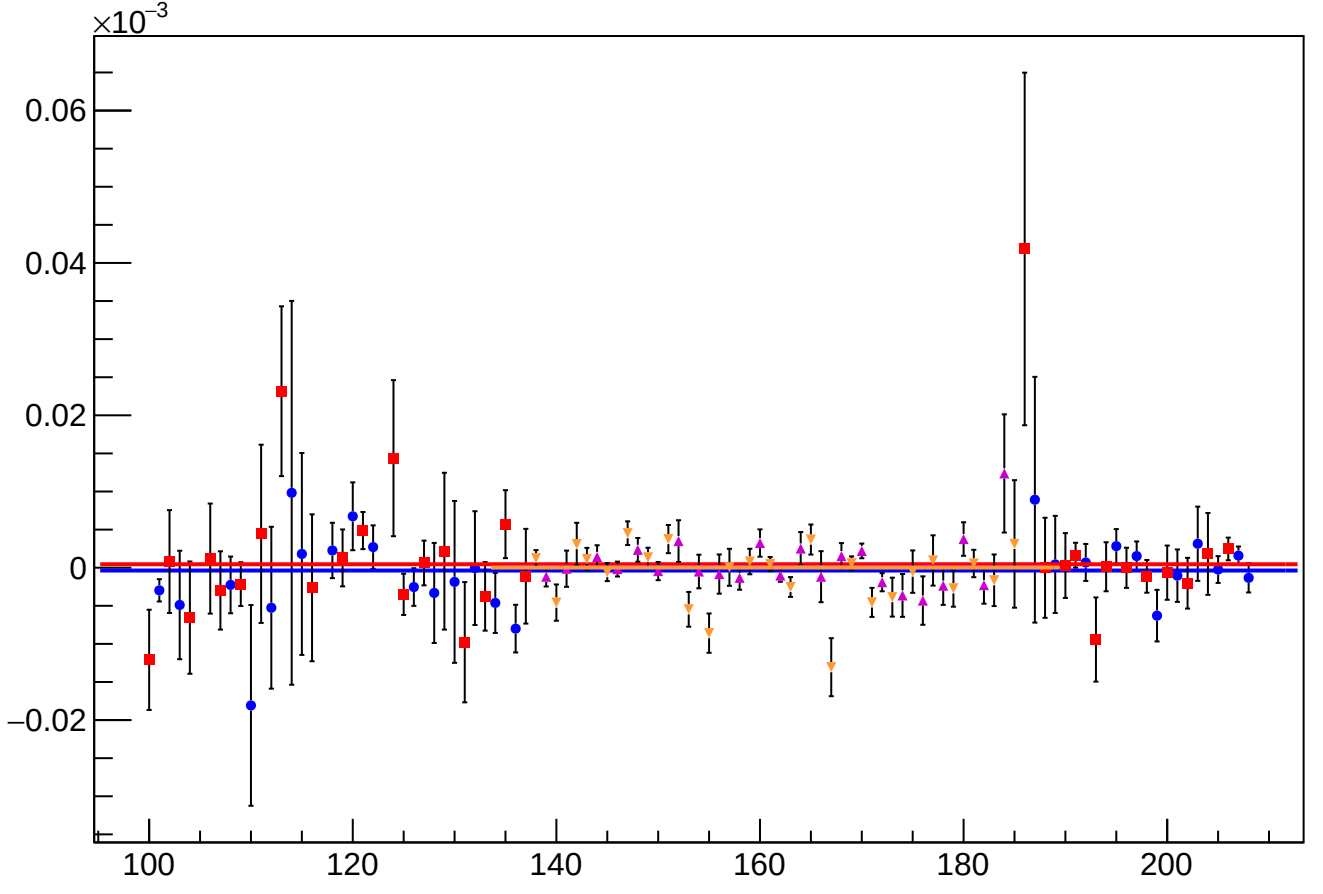
Right Out: 43.045+/-0.008 χ^2/NDF: 4262253.1/30

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 38.114+/-0.005 χ^2/NDF: 8965574.4/51

All: 38.761+/-0.004 χ^2/NDF: 16590044.8/105

- sign 39.460+/-0.005 χ^2/NDF: 7589172.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

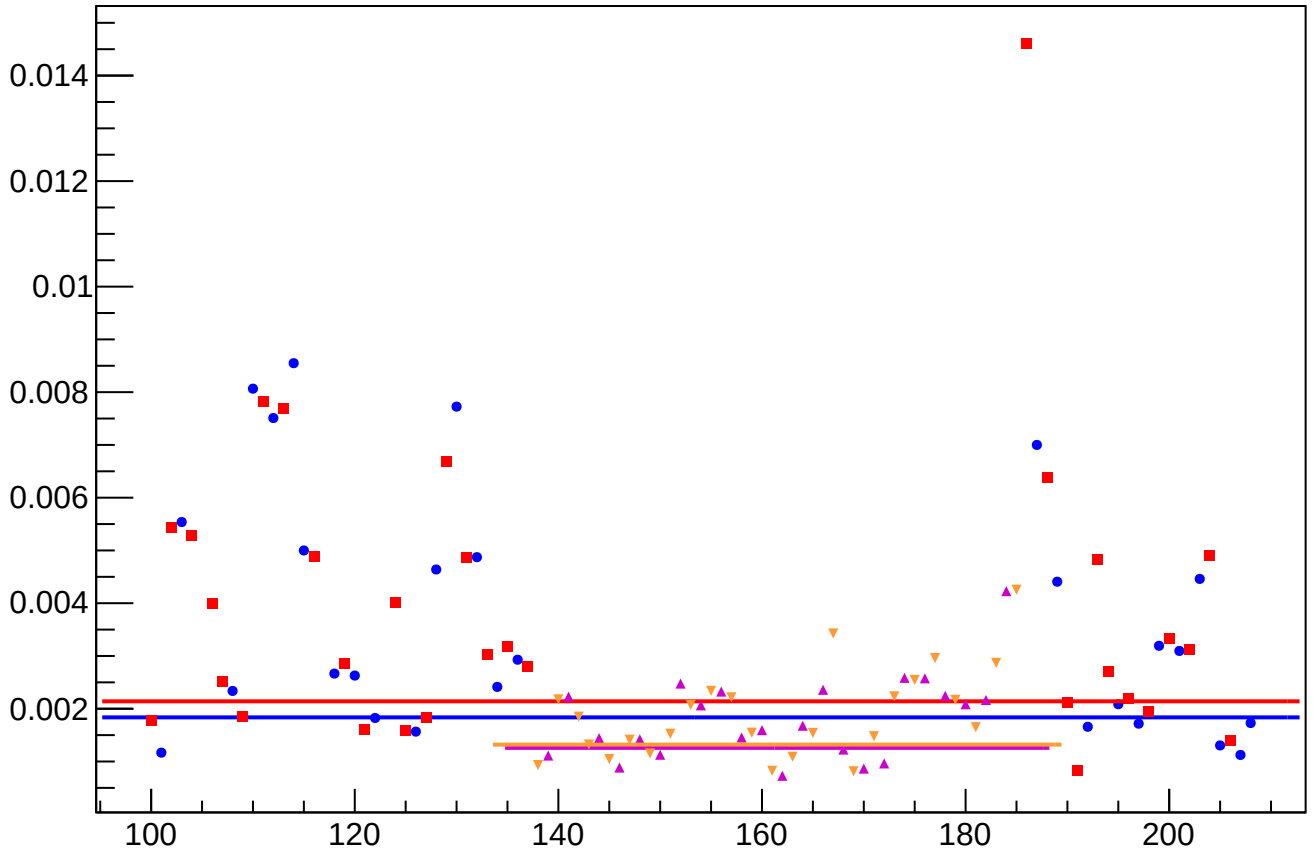
Right Out: 0.000+/-0.000 χ^2/NDF: 31.6/30

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 96.4/51

All: 0.000+/-0.000 χ^2/NDF: 160.9/105

- sign 0.000+/-0.000 χ^2/NDF: 64.1/53



Right In: 0.002+/-0.000 χ^2/NDF: 6693675.4/26

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

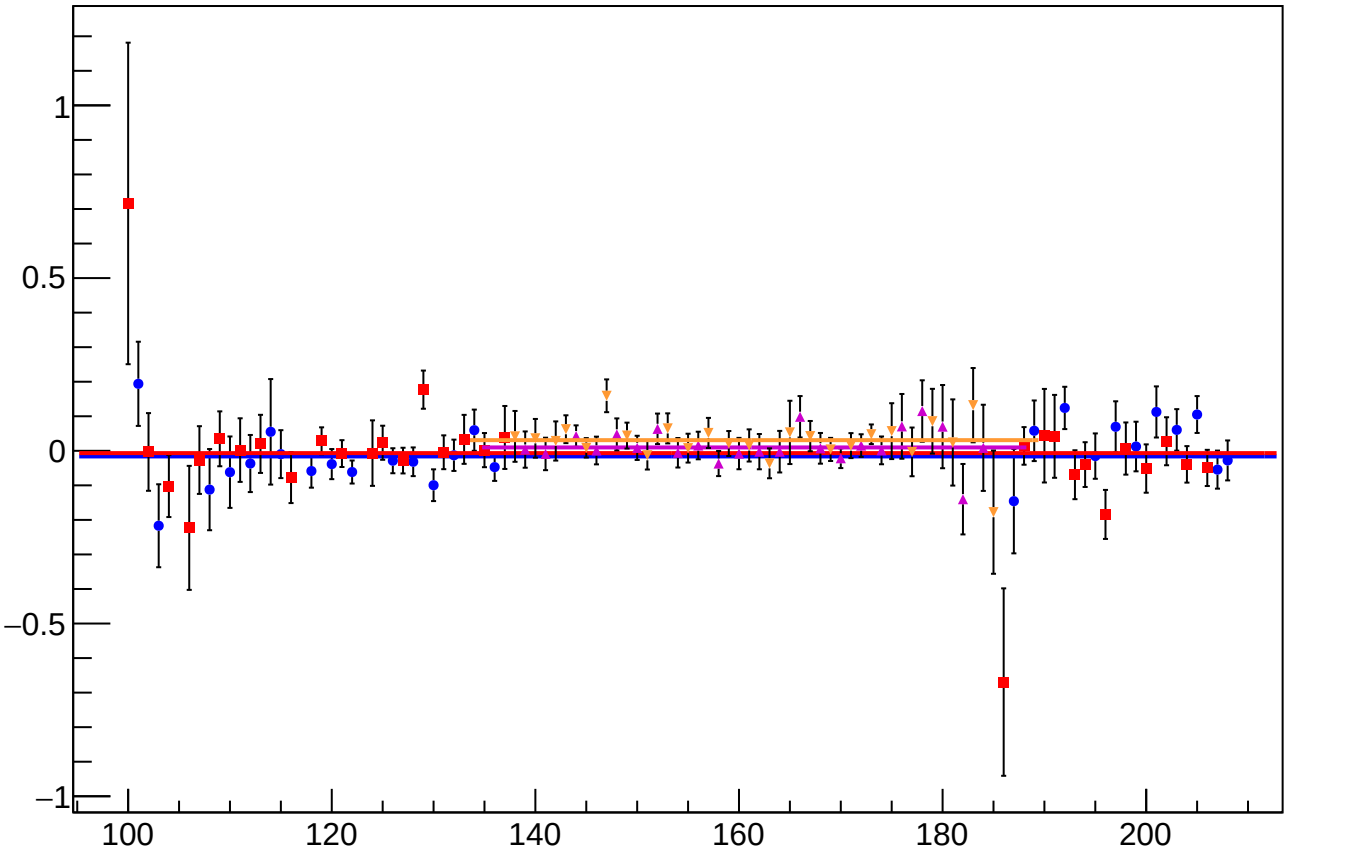
Right Out: 0.002+/-0.000 χ^2/NDF: 8016732.3/30

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 13640392.2/51

All: 0.001+/-0.000 χ^2/NDF: 30114772.1/105

- sign 0.001+/-0.000 χ^2/NDF: 16472342.4/53



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/26

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.007+/-0.012 χ^2/NDF: 35.0/30

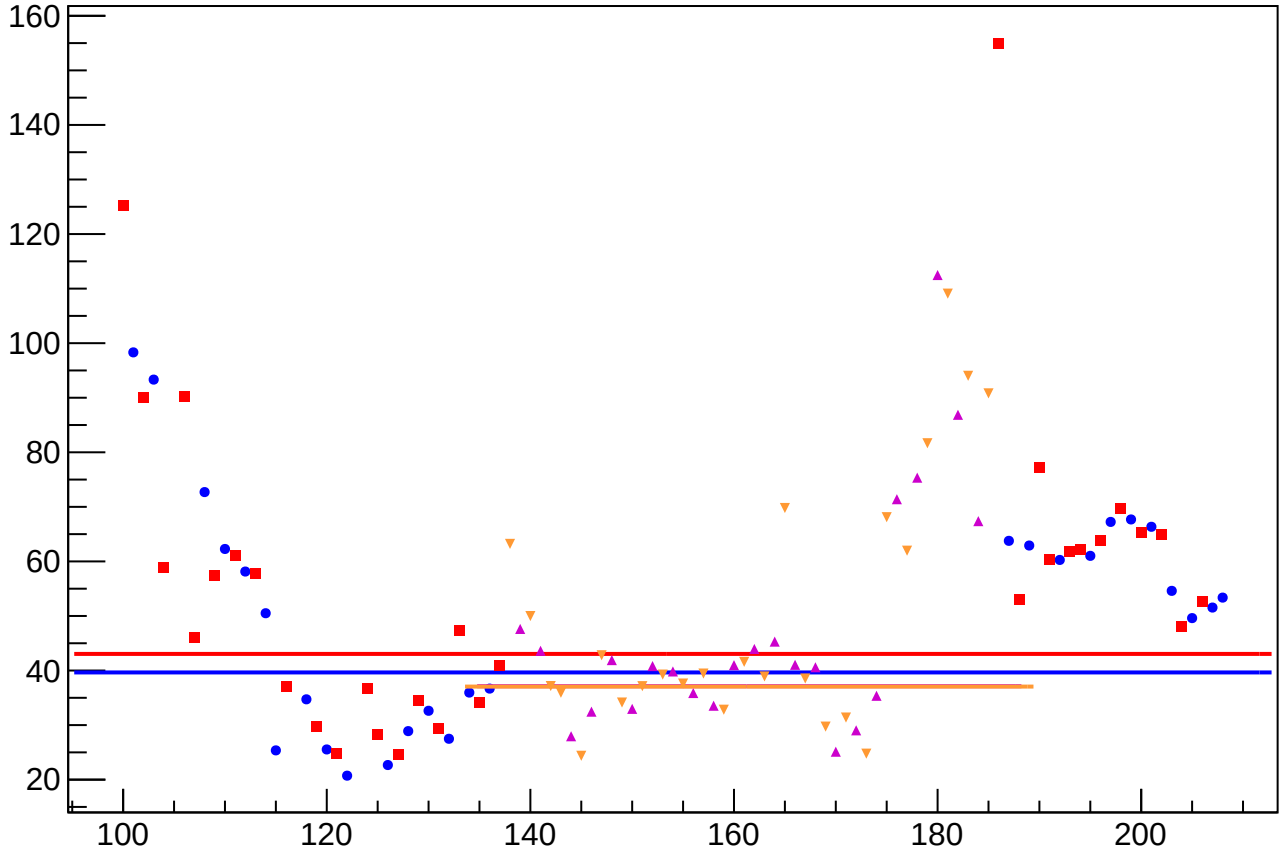
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 62.8/51

All: 0.008+/-0.005 χ^2/NDF: 112.9/105

- sign 0.003+/-0.007 χ^2/NDF: 49.4/53

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.650+/-0.008 χ^2/NDF: 4845948.8/26

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

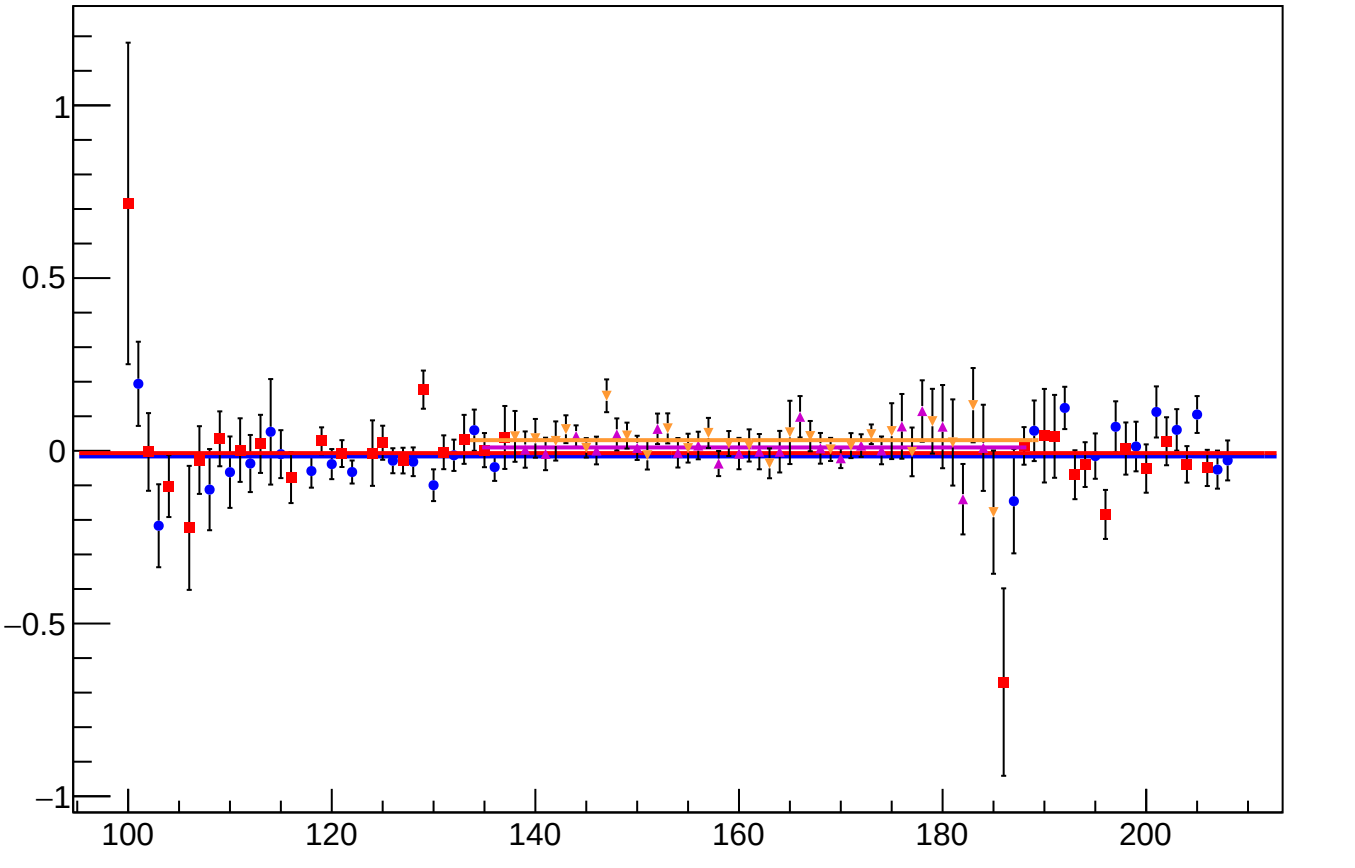
Right Out: 43.045+/-0.008 χ^2/NDF: 4262048.3/30

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 38.114+/-0.005 χ^2/NDF: 8965487.4/51

All: 38.761+/-0.004 χ^2/NDF: 16589772.5/105

- sign 39.460+/-0.005 χ^2/NDF: 7588987.3/53



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/26

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

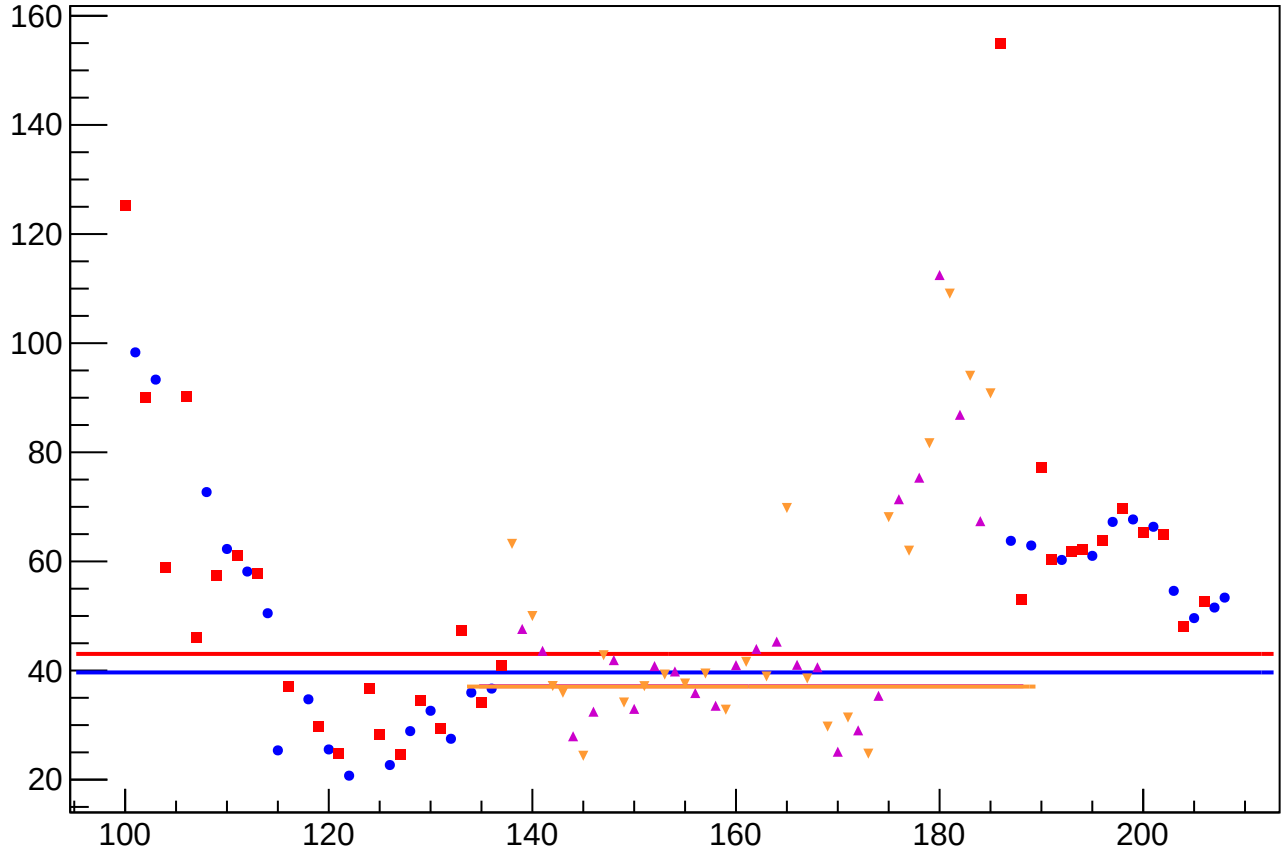
Right Out: -0.007+/-0.012 χ^2/NDF: 35.0/30

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 62.8/51

All: 0.008+/-0.005 χ^2/NDF: 112.9/105

- sign 0.003+/-0.007 χ^2/NDF: 49.4/53



Right In: 39.650+/-0.008 χ^2/NDF: 4845948.8/26

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

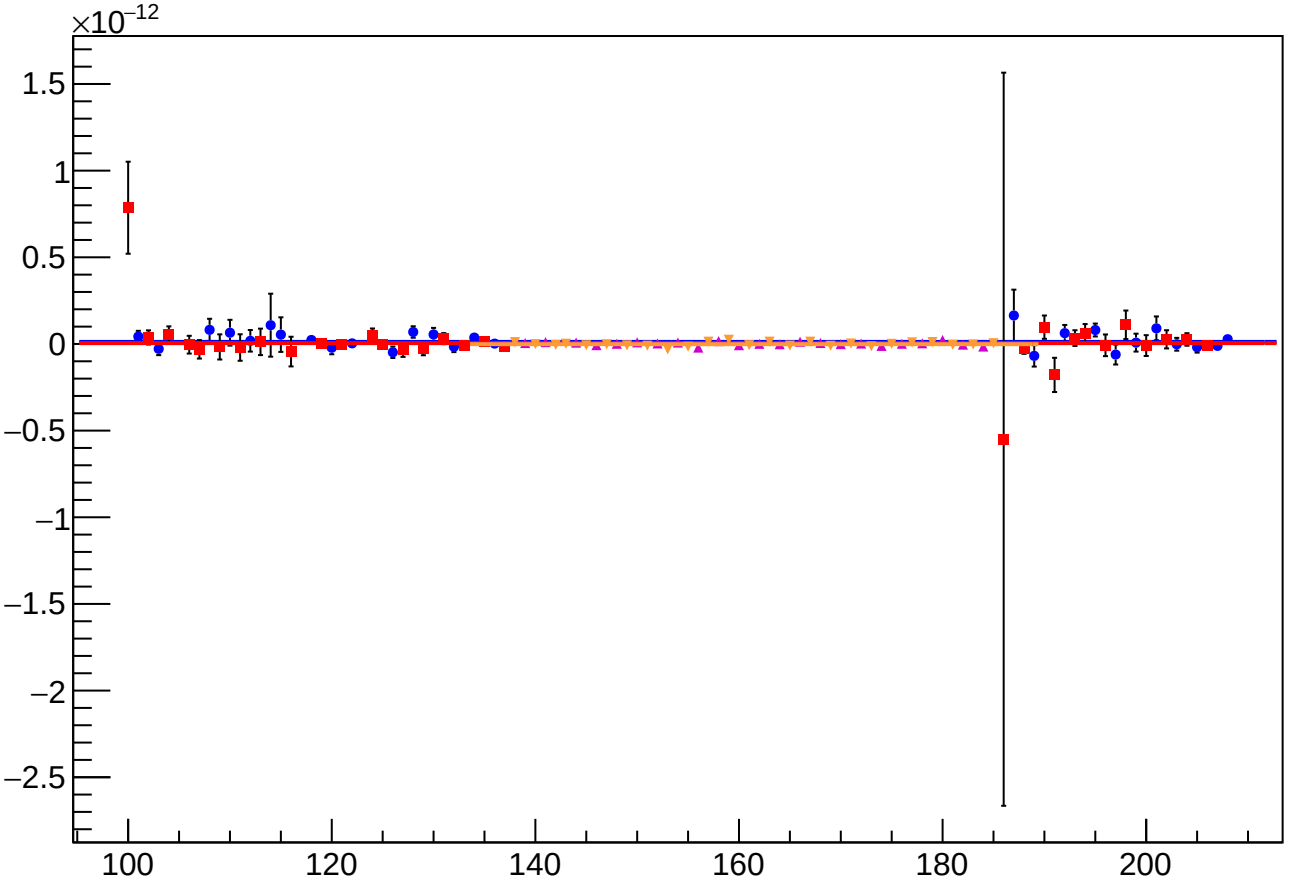
Right Out: 43.045+/-0.008 χ^2/NDF: 4262048.3/30

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 38.114+/-0.005 χ^2/NDF: 8965487.4/51

All: 38.761+/-0.004 χ^2/NDF: 16589772.5/105

- sign 39.460+/-0.005 χ^2/NDF: 7588987.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 29.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

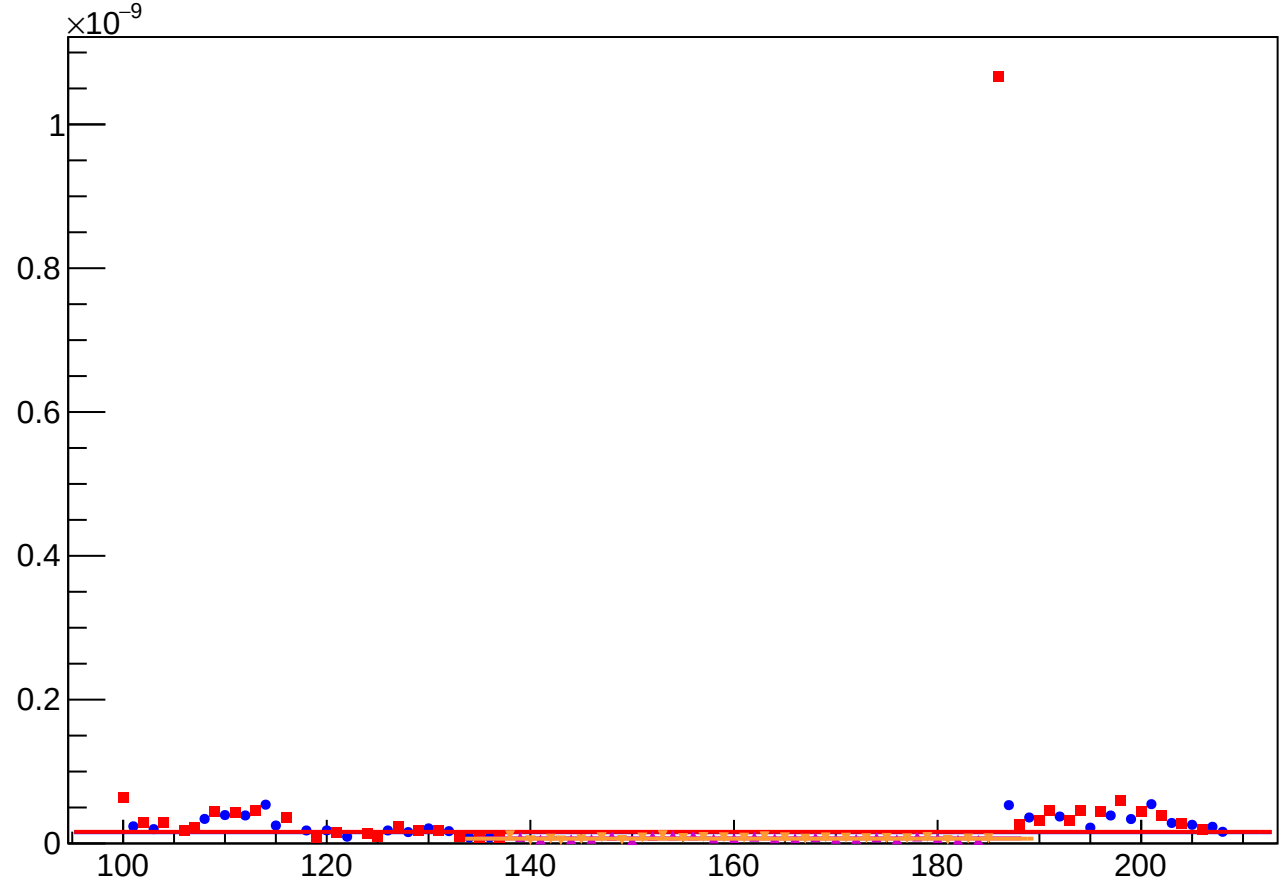
Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/30

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.3/51

All: 0.000+/-0.000 χ^2/NDF: 110.2/105

- sign 0.000+/-0.000 χ^2/NDF: 48.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 5281510.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7184501.3/30

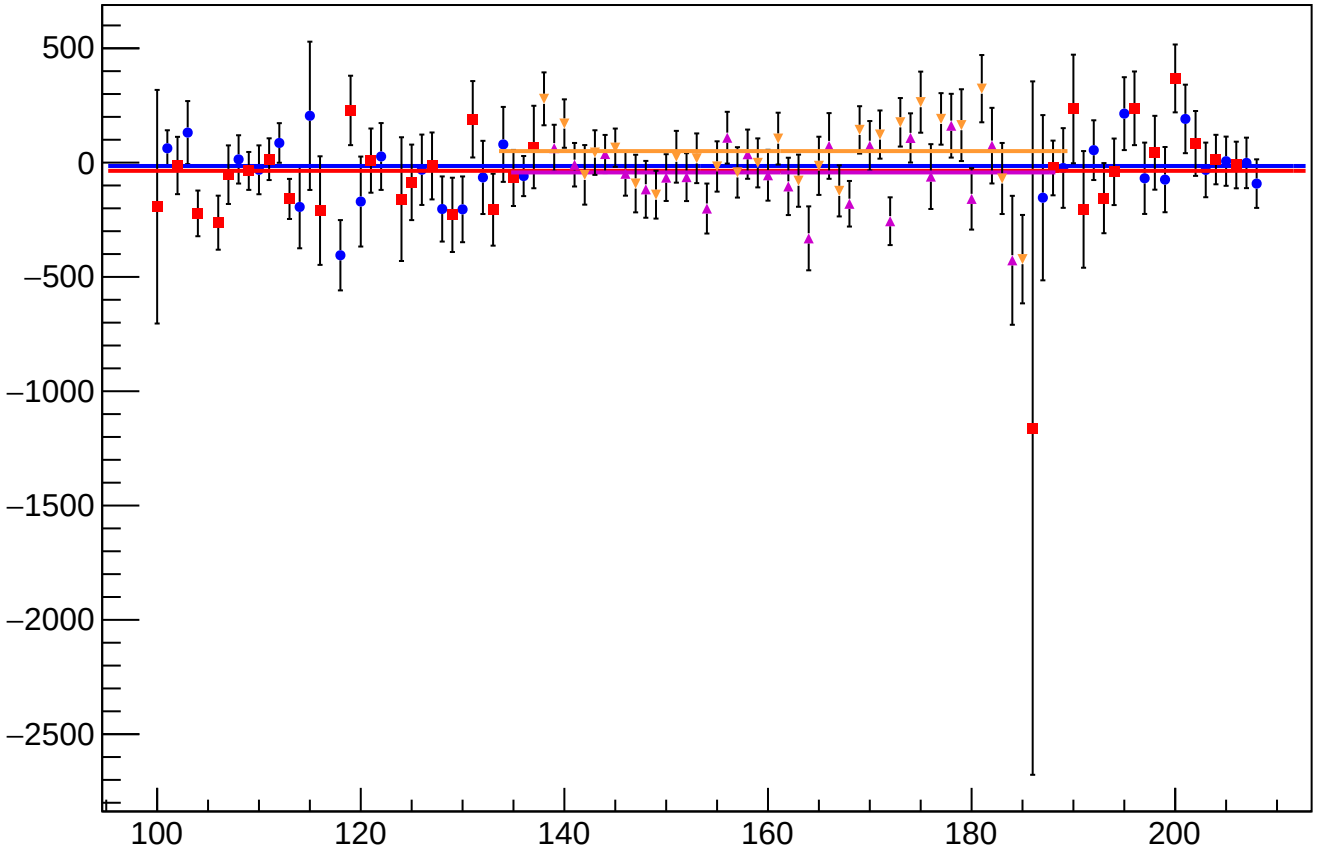
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11812051.1/51

All: 0.000+/-0.000 χ^2/NDF: 24637485.1/105

- sign 0.000+/-0.000 χ^2/NDF: 12768325.7/53

reg_asym_sam_1548_avg_mean vs Slug



Right In: -14.738+/-24.802 χ^2/NDF: 21.6/26

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -35.962+/-24.525 χ^2/NDF: 32.8/30

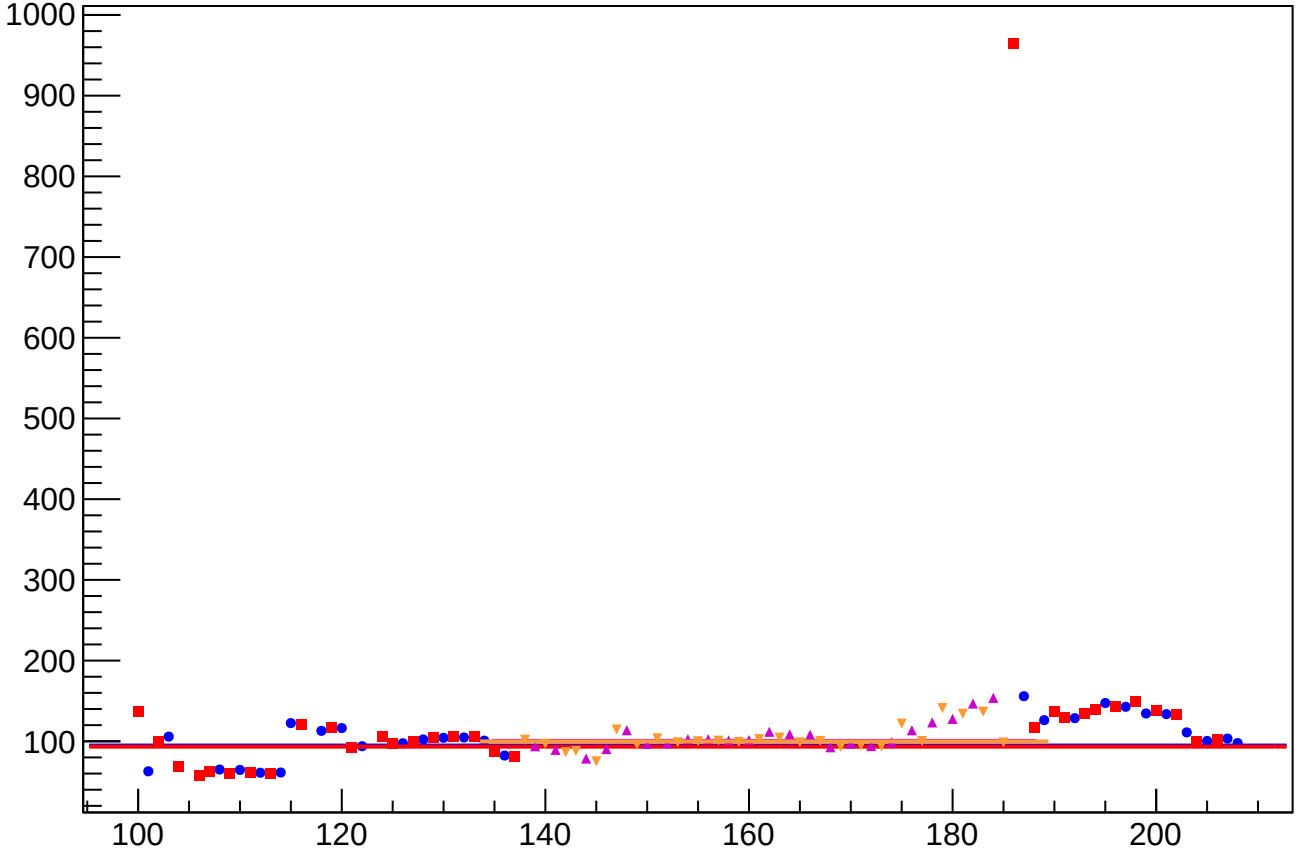
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 20.297+/-16.848 χ^2/NDF: 58.7/51

All: -9.273+/-11.989 χ^2/NDF: 124.4/105

- sign -39.606+/-17.064 χ^2/NDF: 59.4/53

reg_asym_sam_1548_avg_rms vs Slug



Right In: 94.715+/-0.018 χ^2/NDF: 2174760.3/26

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 93.348+/-0.017 χ^2/NDF: 3425681.5/30

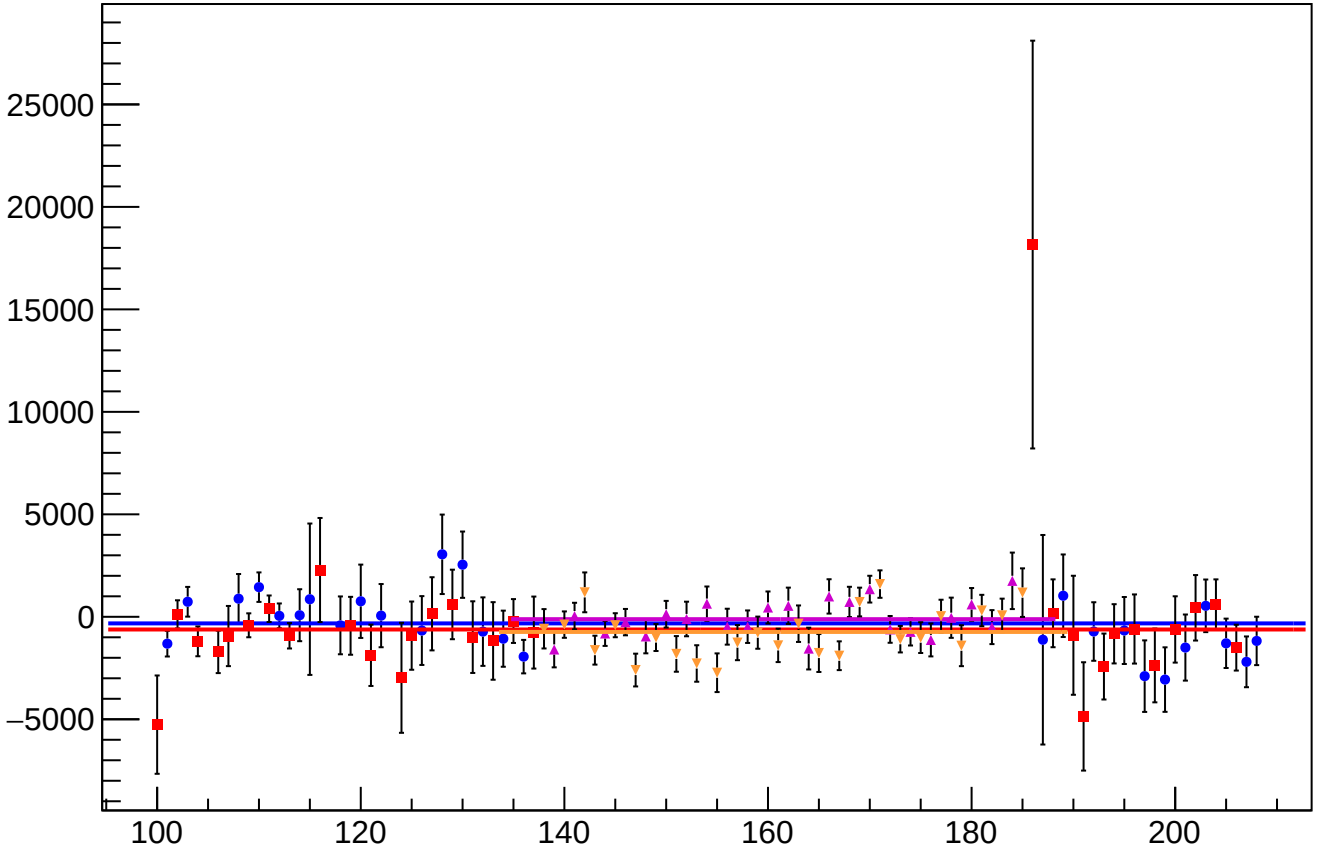
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 97.475+/-0.012 χ^2/NDF: 2918497.4/51

All: 97.258+/-0.008 χ^2/NDF: 7089388.3/105

- sign 97.036+/-0.012 χ^2/NDF: 4170223.2/53

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -321.818+/-223.203 χ^2/NDF: 33.4/26

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -619.006+/-213.218 χ^2/NDF: 24.1/30

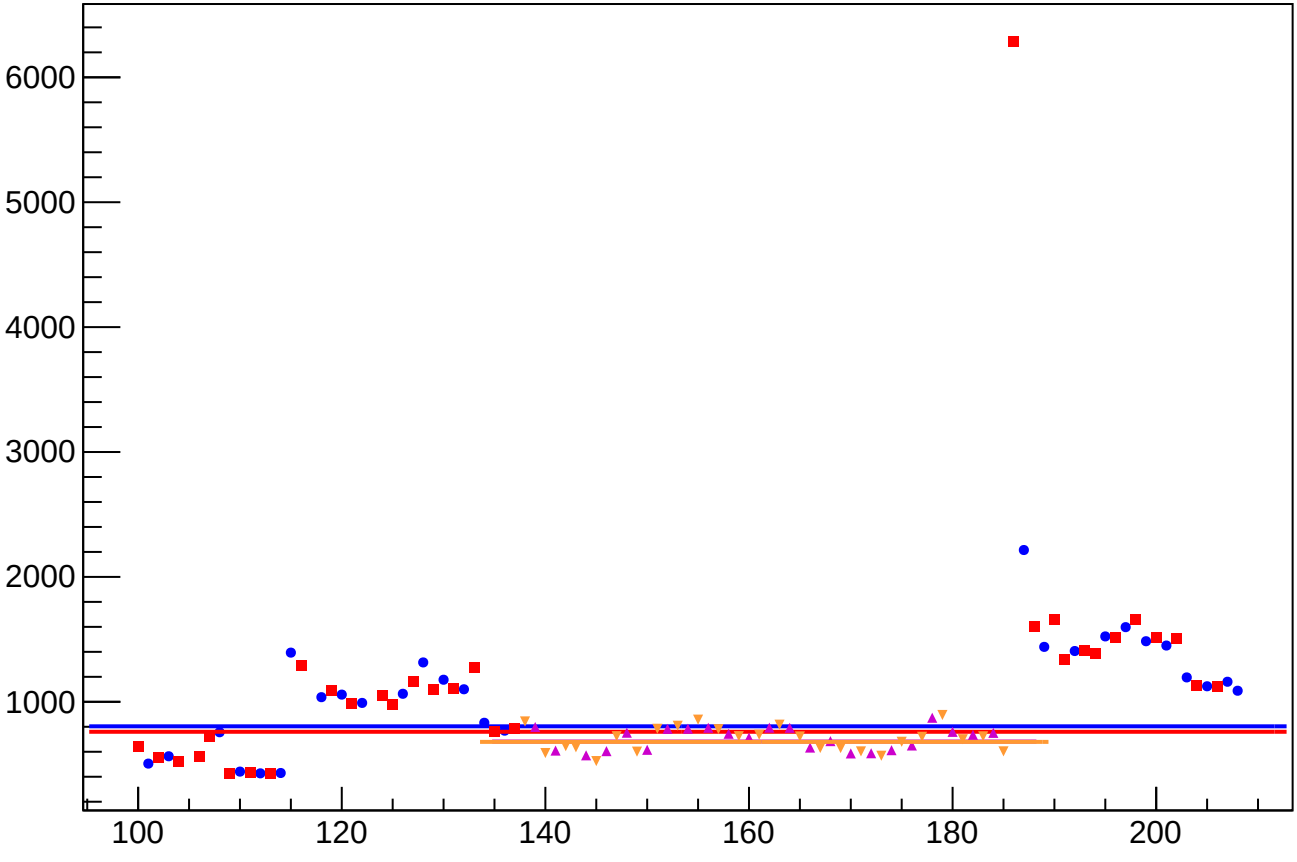
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -601.298+/-128.036 χ^2/NDF: 85.4/51

All: -450.378+/-90.692 χ^2/NDF: 139.6/105

- sign -298.410+/-128.480 χ^2/NDF: 51.3/53

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 803.731+/-0.158 χ^2/NDF: 5489391.1/26

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 760.081+/-0.151 χ^2/NDF: 7234494.7/30

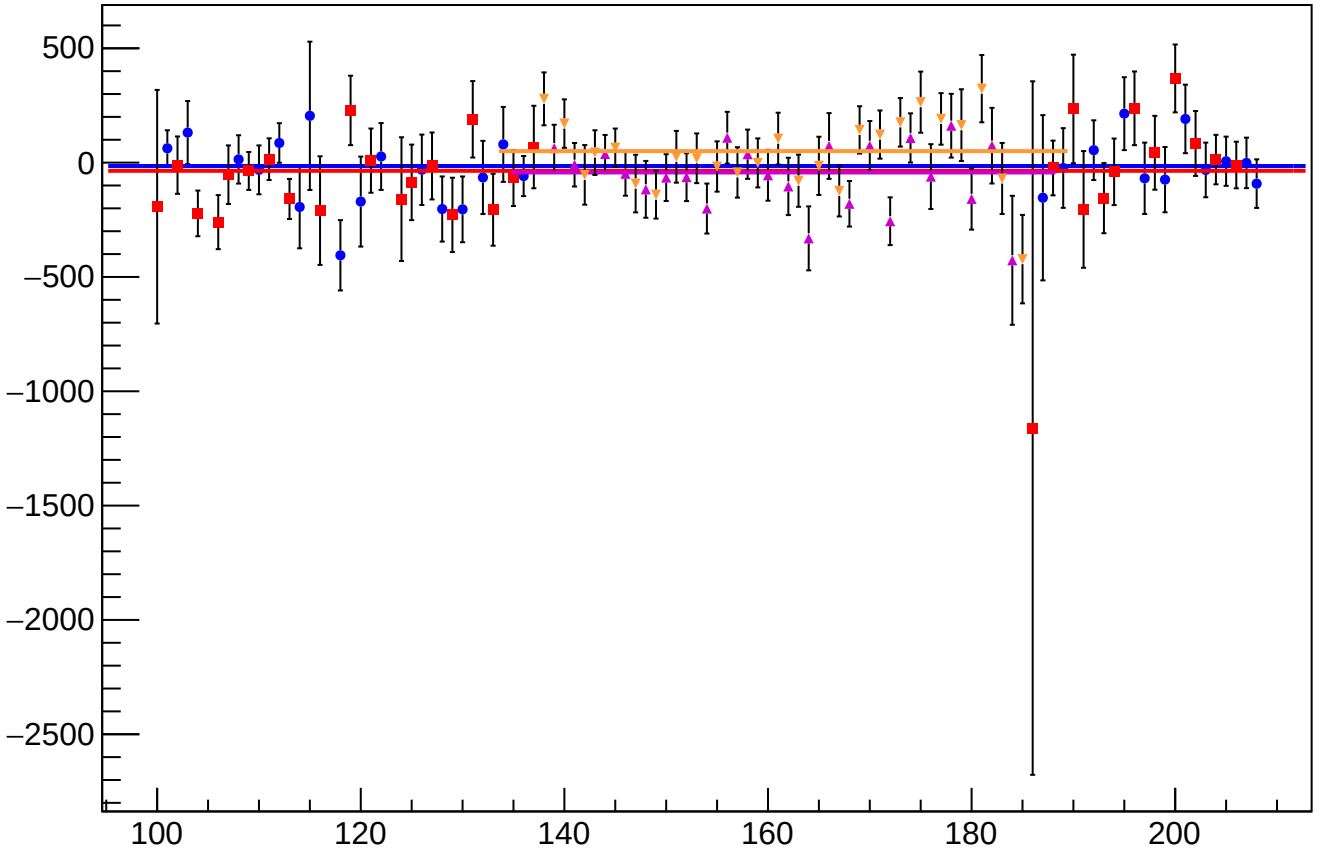
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 720.141+/-0.091 χ^2/NDF: 6644876.0/51

All: 715.229+/-0.064 χ^2/NDF: 14630380.3/10

- sign 710.283+/-0.091 χ^2/NDF: 7979596.3/53

cor_asym_sam_1548_avg_mean vs Slug



Right In: -14.741+/-24.802 χ^2/NDF: 21.6/26

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -35.785+/-24.526 χ^2/NDF: 32.7/30

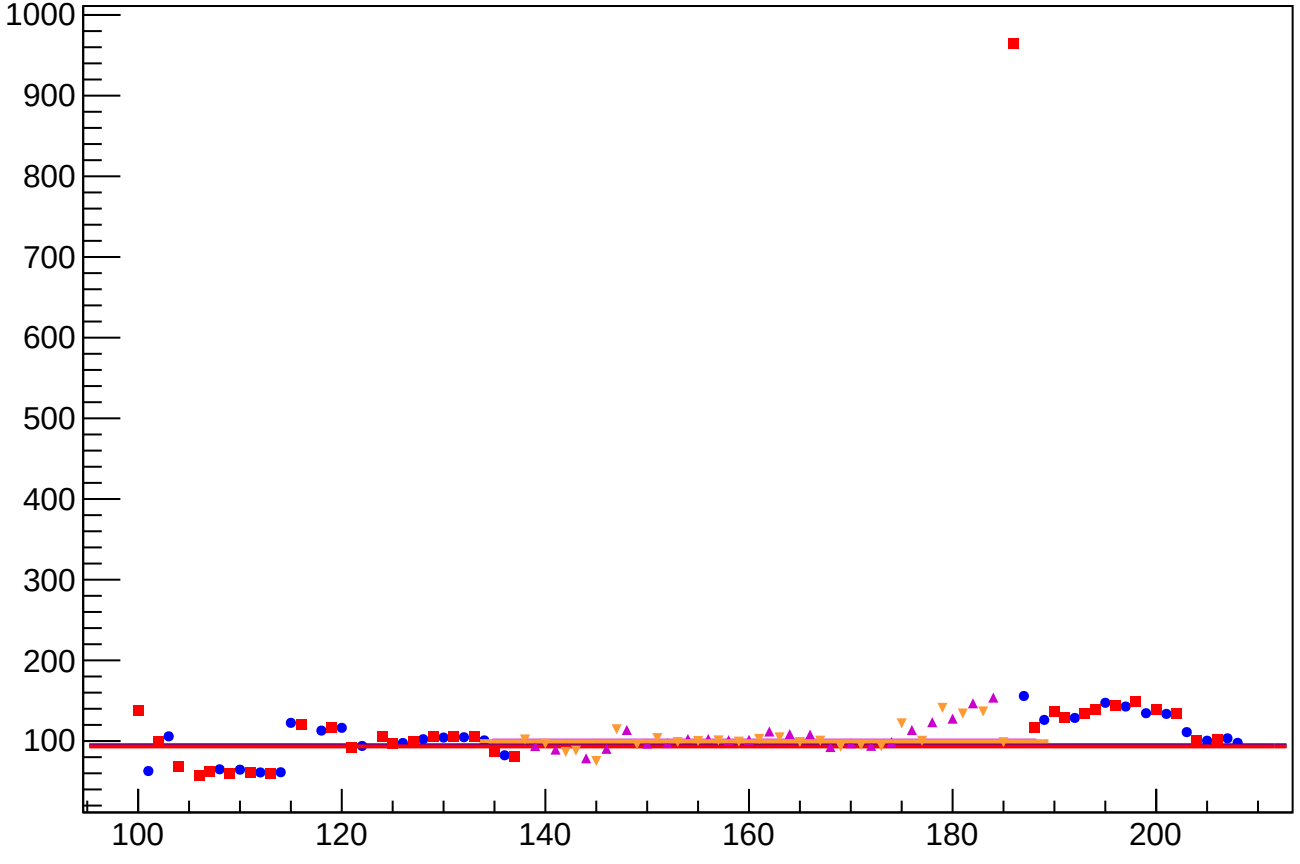
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 20.300+/-16.848 χ^2/NDF: 58.7/51

All: -9.228+/-11.989 χ^2/NDF: 124.3/105

- sign -39.521+/-17.064 χ^2/NDF: 59.4/53

cor_asym_sam_1548_avg_rms vs Slug



Right In: 94.715+/-0.018 χ^2/NDF: 2174761.5/26

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

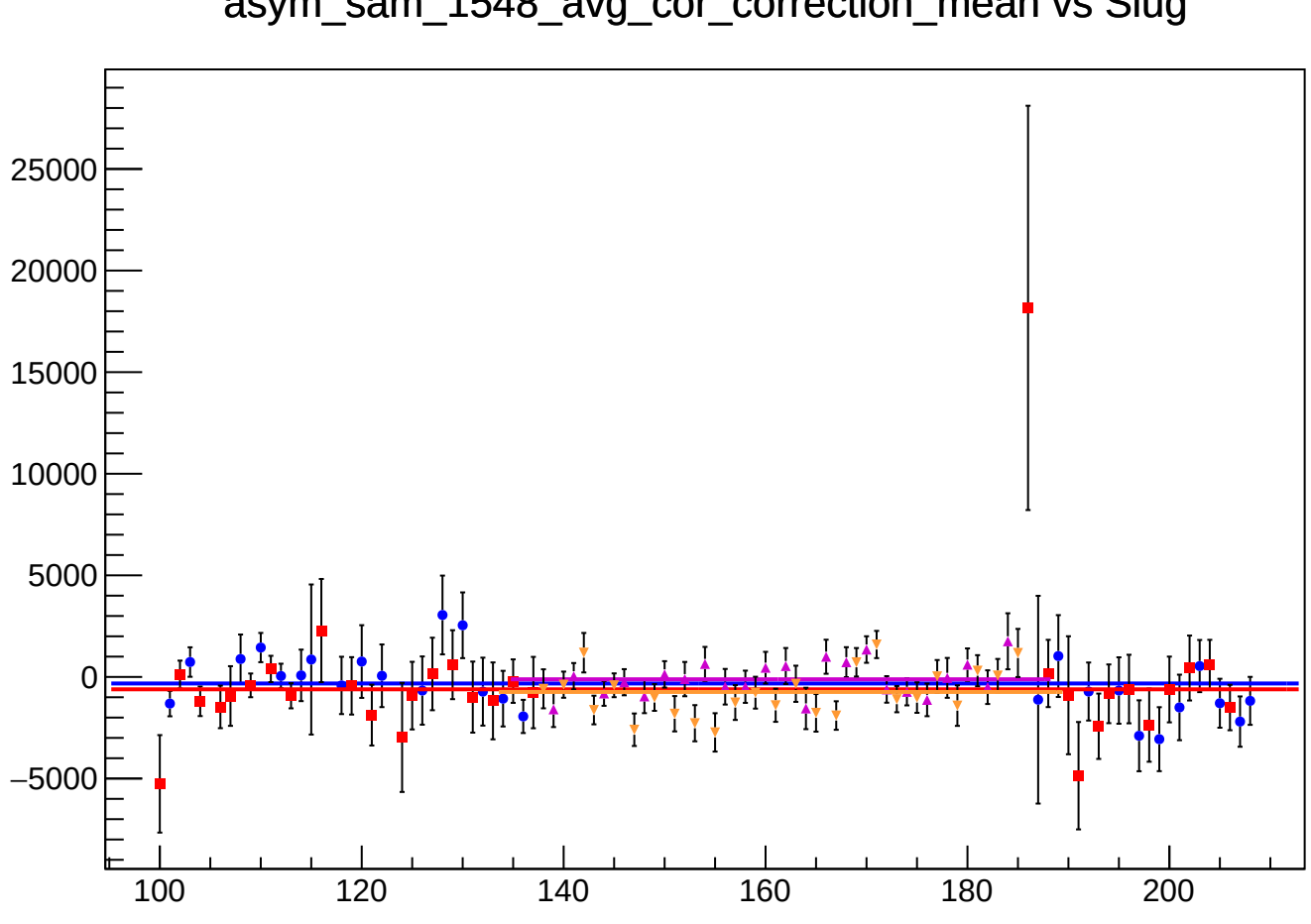
Right Out: 93.337+/-0.017 χ^2/NDF: 3429010.6/30

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 97.475+/-0.012 χ^2/NDF: 2918498.4/51

All: 97.256+/-0.008 χ^2/NDF: 7093007.7/105

- sign 97.031+/-0.012 χ^2/NDF: 4173825.2/53



Right In: -321.842+/-223.205 χ^2/NDF: 33.4/26

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -608.720+/-213.324 χ^2/NDF: 23.6/30

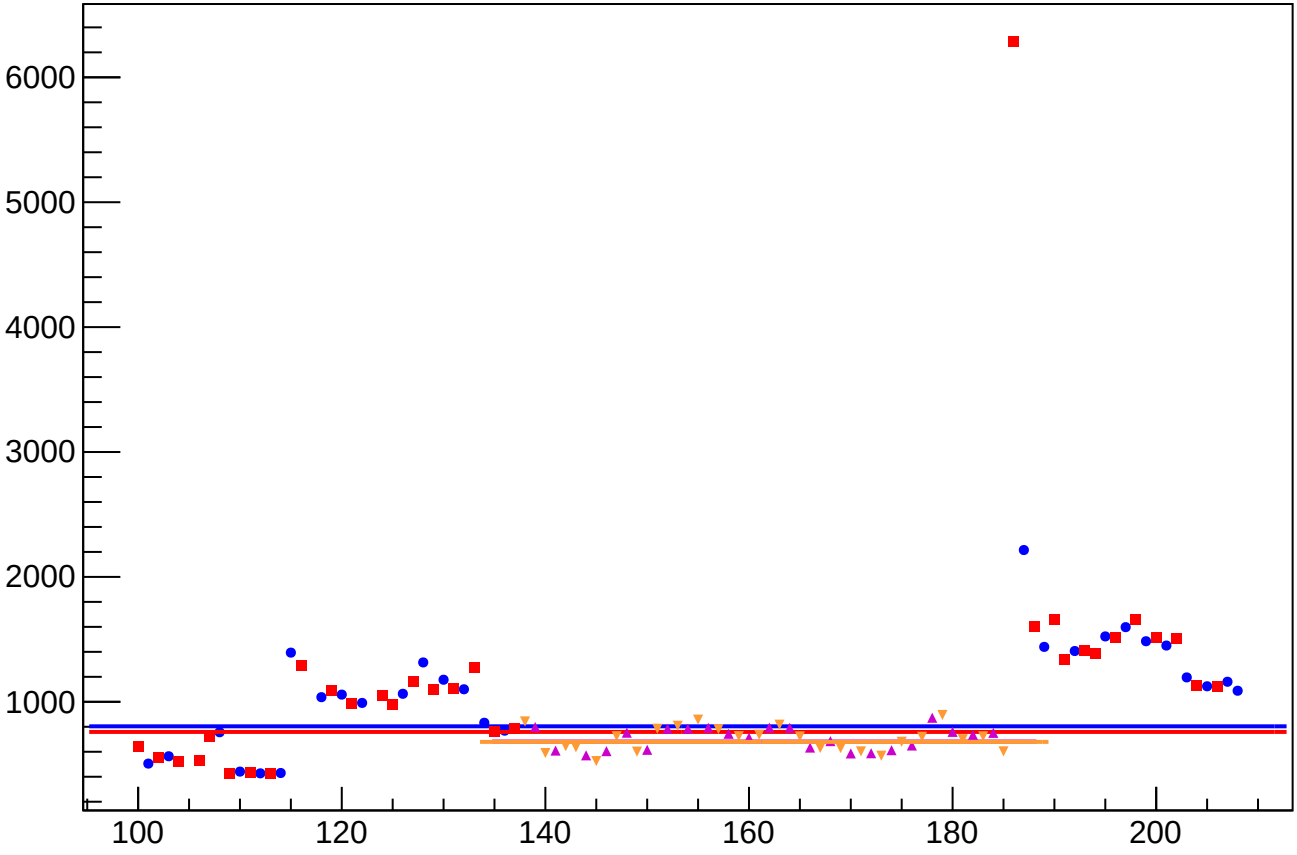
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -601.300+/-128.037 χ^2/NDF: 85.4/51

All: -448.488+/-90.700 χ^2/NDF: 139.0/105

- sign -294.562+/-128.503 χ^2/NDF: 50.7/53

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 803.740+/-0.158 χ^2/NDF: 5489244.2/26

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

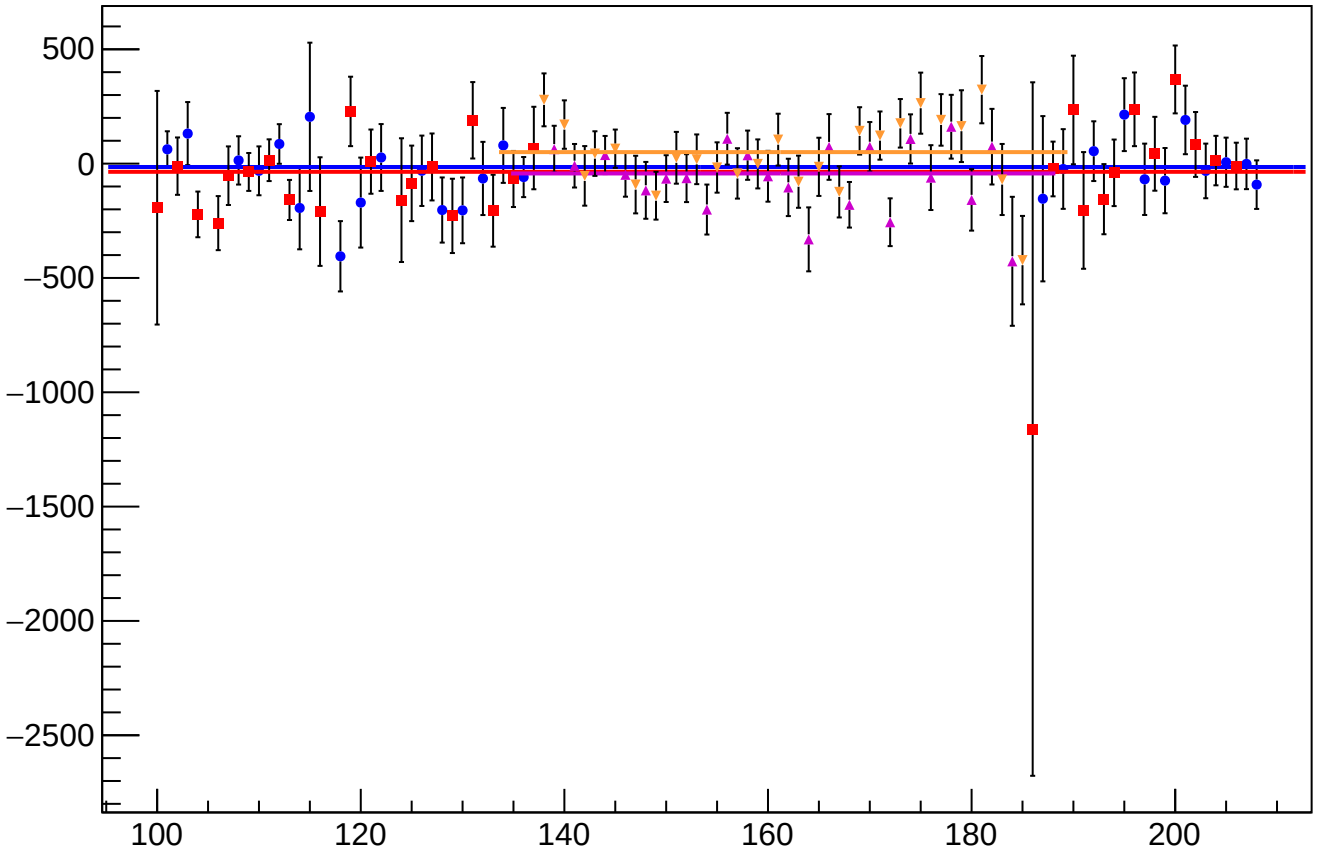
Right Out: 758.896+/-0.151 χ^2/NDF: 7258931.4/30

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 720.144+/-0.091 χ^2/NDF: 6644788.5/51

All: 715.008+/-0.064 χ^2/NDF: 14650024.7/10

- sign 709.835+/-0.091 χ^2/NDF: 7998777.1/53



Right In: -14.741+/-24.802 χ^2/NDF: 21.6/26

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -35.785+/-24.526 χ^2/NDF: 32.7/30

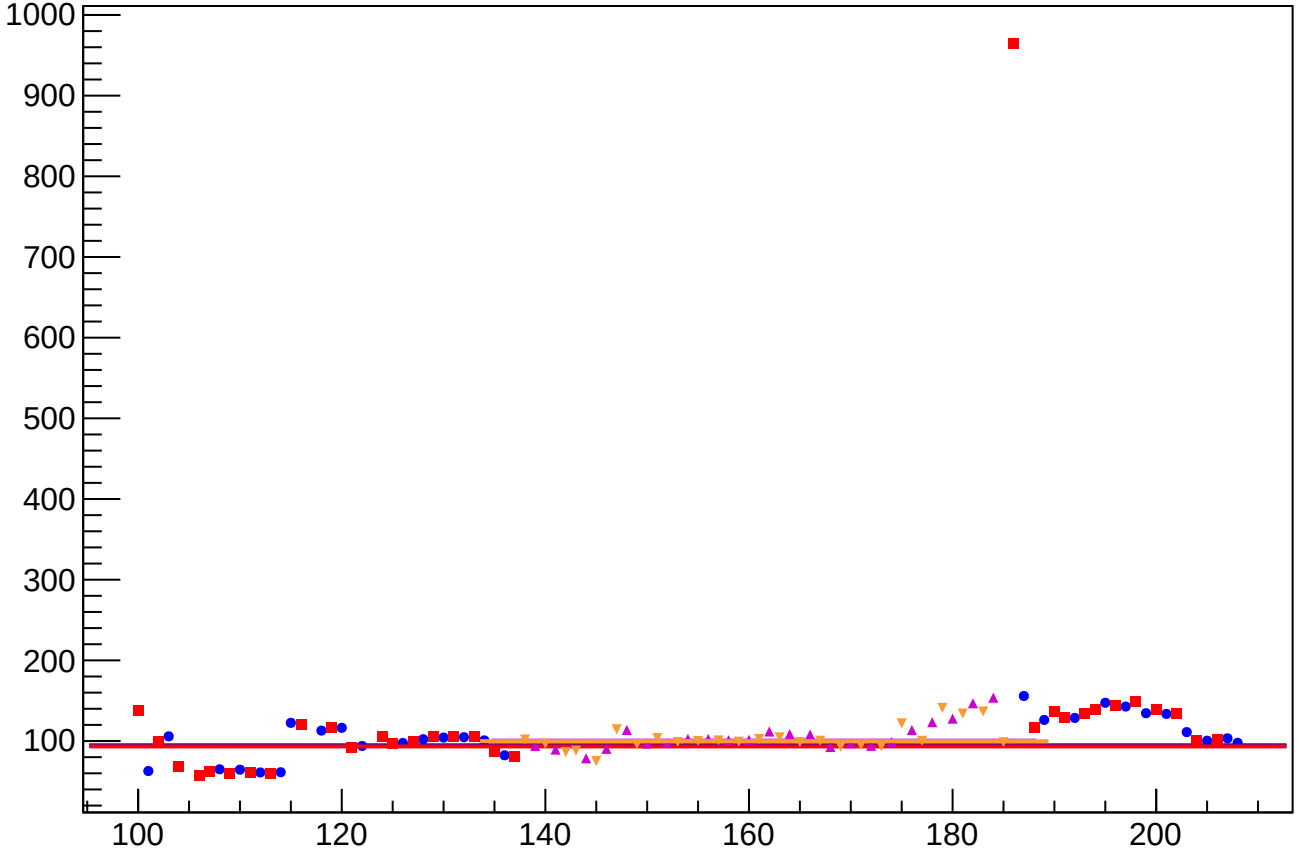
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 20.300+/-16.848 χ^2/NDF: 58.7/51

All: -9.228+/-11.989 χ^2/NDF: 124.3/105

- sign -39.521+/-17.064 χ^2/NDF: 59.4/53

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 94.715+/-0.018 χ^2/NDF: 2174761.5/26

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

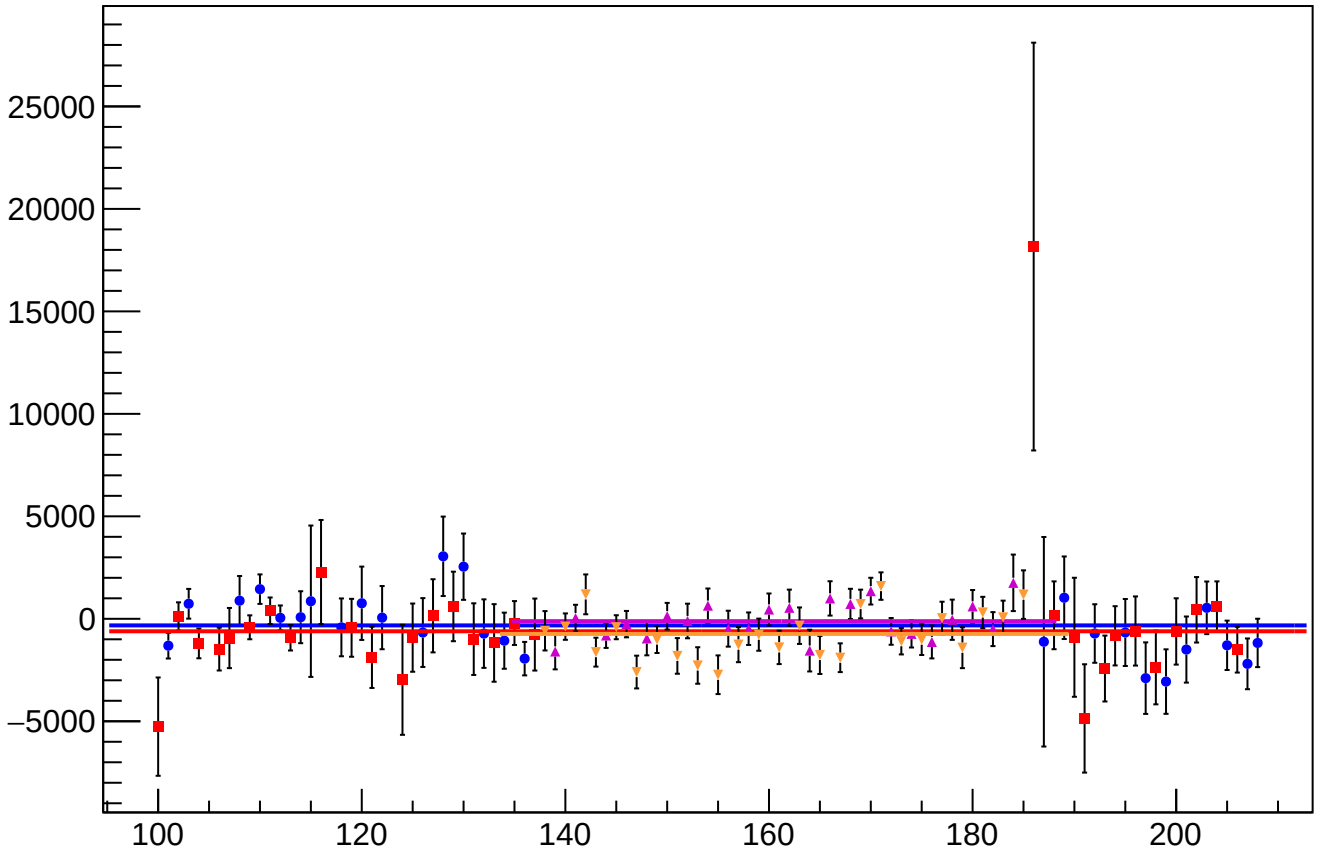
Right Out: 93.337+/-0.017 χ^2/NDF: 3429010.6/30

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 97.475+/-0.012 χ^2/NDF: 2918498.4/51

All: 97.256+/-0.008 χ^2/NDF: 7093007.7/105

- sign 97.031+/-0.012 χ^2/NDF: 4173825.2/53



Right In: -321.842+/-223.205 χ^2/NDF: 33.4/26

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

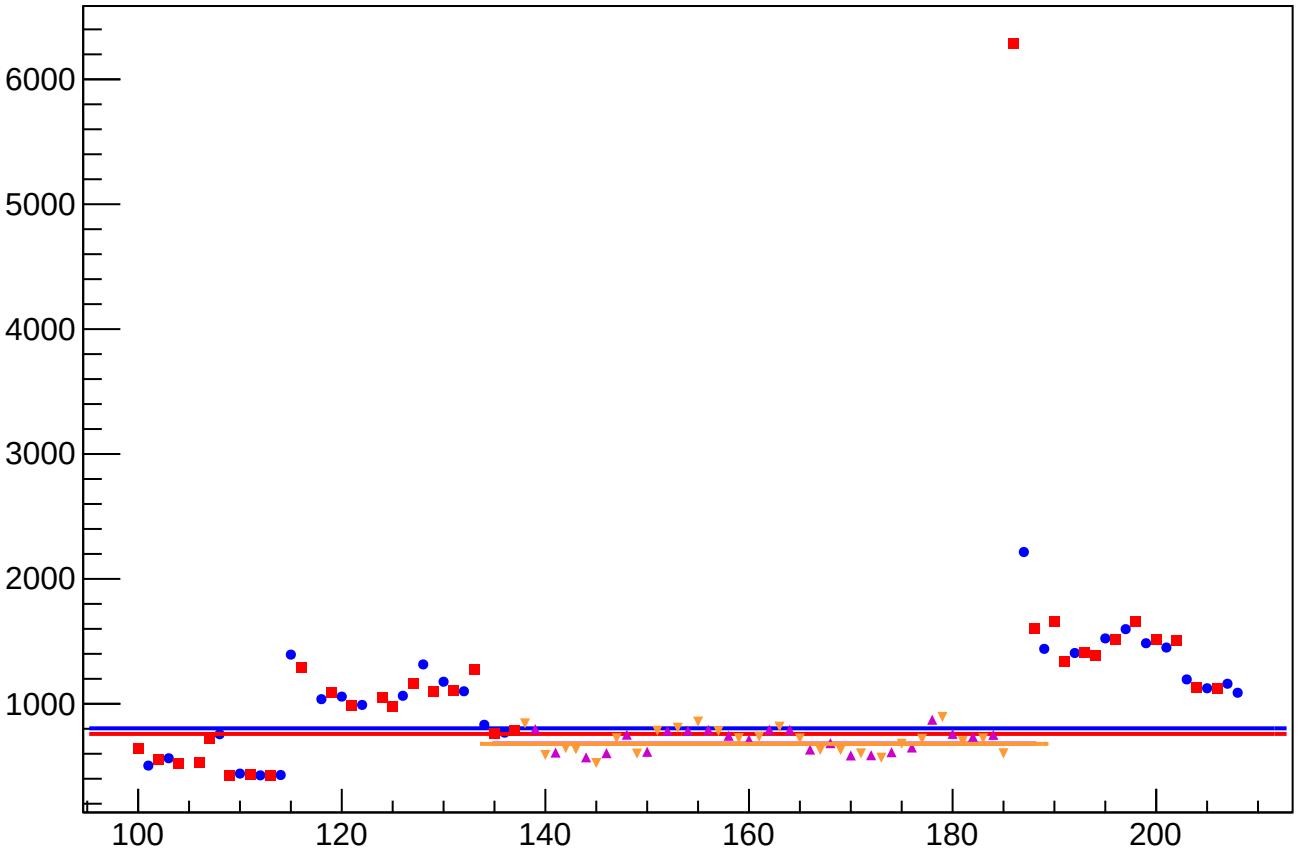
Right Out: -608.720+/-213.324 χ^2/NDF: 23.6/30

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -601.300+/-128.037 χ^2/NDF: 85.4/51

All: -448.488+/-90.700 χ^2/NDF: 139.0/105

- sign -294.562+/-128.503 χ^2/NDF: 50.7/53



Right In: 803.740+/-0.158 χ^2/NDF: 5489244.2/26

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 758.896+/-0.151 χ^2/NDF: 7258931.4/30

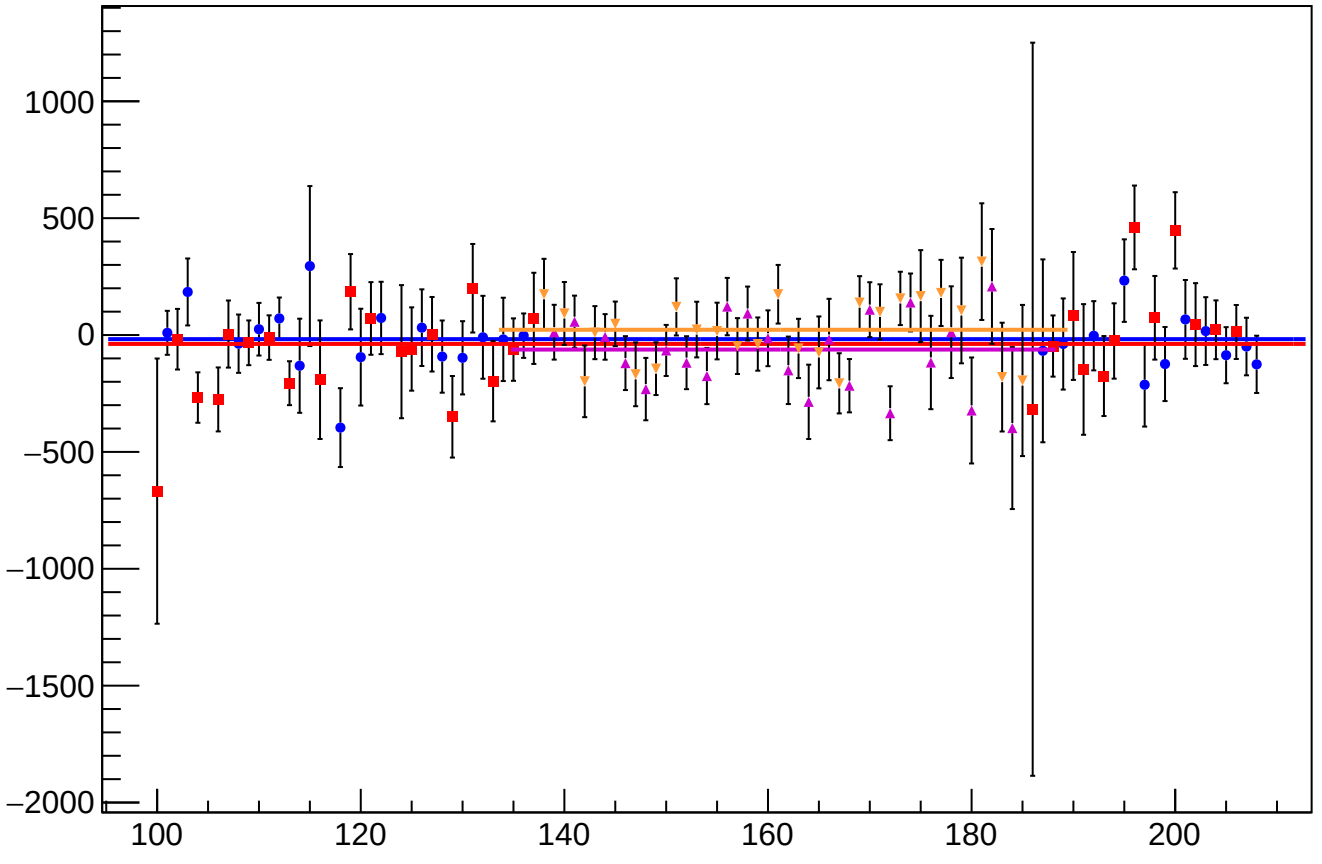
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 720.144+/-0.091 χ^2/NDF: 6644788.5/51

All: 715.008+/-0.064 χ^2/NDF: 14650024.7/10

- sign 709.835+/-0.091 χ^2/NDF: 7998777.1/53

dit_asym_sam_1548_avg_mean vs Slug



Right In: -17.568+/-27.485 χ^2/NDF: 15.7/26

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -38.029+/-27.052 χ^2/NDF: 39.7/30

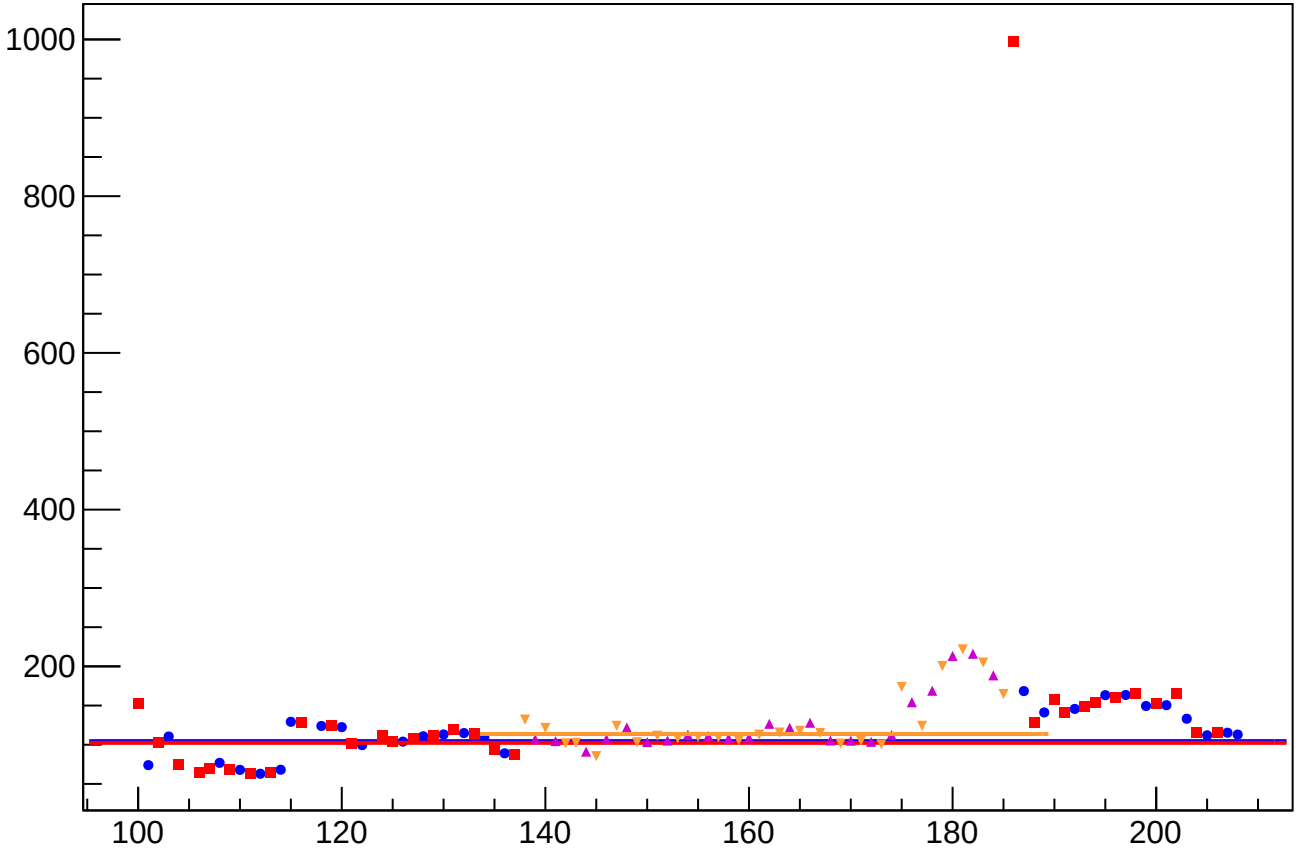
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 3.111+/-19.130 χ^2/NDF: 38.4/51

All: -23.294+/-13.562 χ^2/NDF: 109.6/105

- sign -49.972+/-19.229 χ^2/NDF: 67.4/53

dit_asym_sam_1548_avg_rms vs Slug



Right In: 104.583+/-0.019 χ^2/NDF: 2284957.5/26

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 102.403+/-0.019 χ^2/NDF: 3585785.6/30

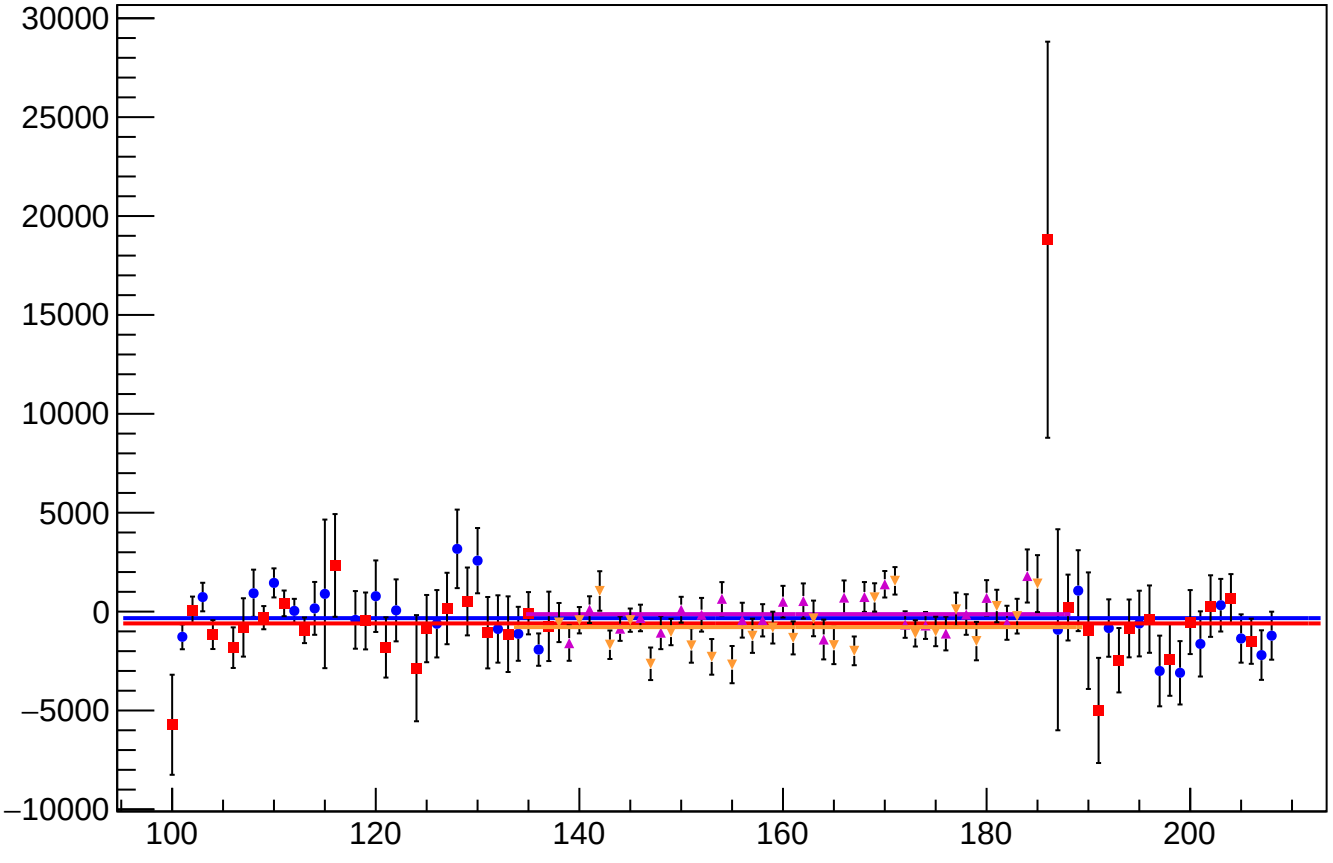
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 109.317+/-0.014 χ^2/NDF: 3979974.2/51

All: 108.652+/-0.010 χ^2/NDF: 9058517.2/105

- sign 107.980+/-0.014 χ^2/NDF: 5073682.5/53

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -330.696+/-225.885 χ^2/NDF: 33.1/26

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -597.304+/-215.611 χ^2/NDF: 24.8/30

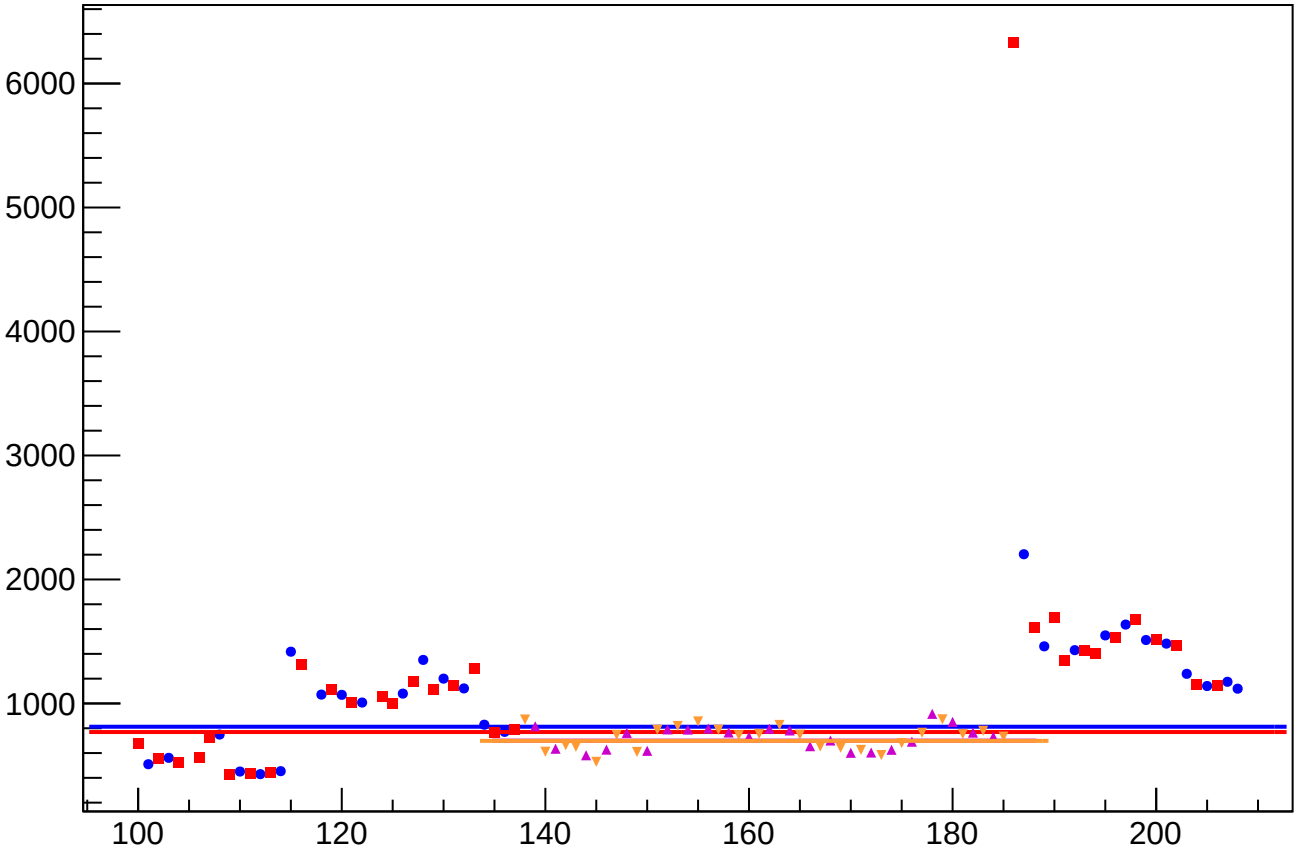
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -632.135+/-130.826 χ^2/NDF: 81.2/51

All: -467.374+/-92.626 χ^2/NDF: 134.9/105

- sign -301.767+/-131.161 χ^2/NDF: 50.5/53

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 812.294+/-0.160 χ^2/NDF: 5583020.3/26

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 769.517+/-0.152 χ^2/NDF: 7202662.5/30

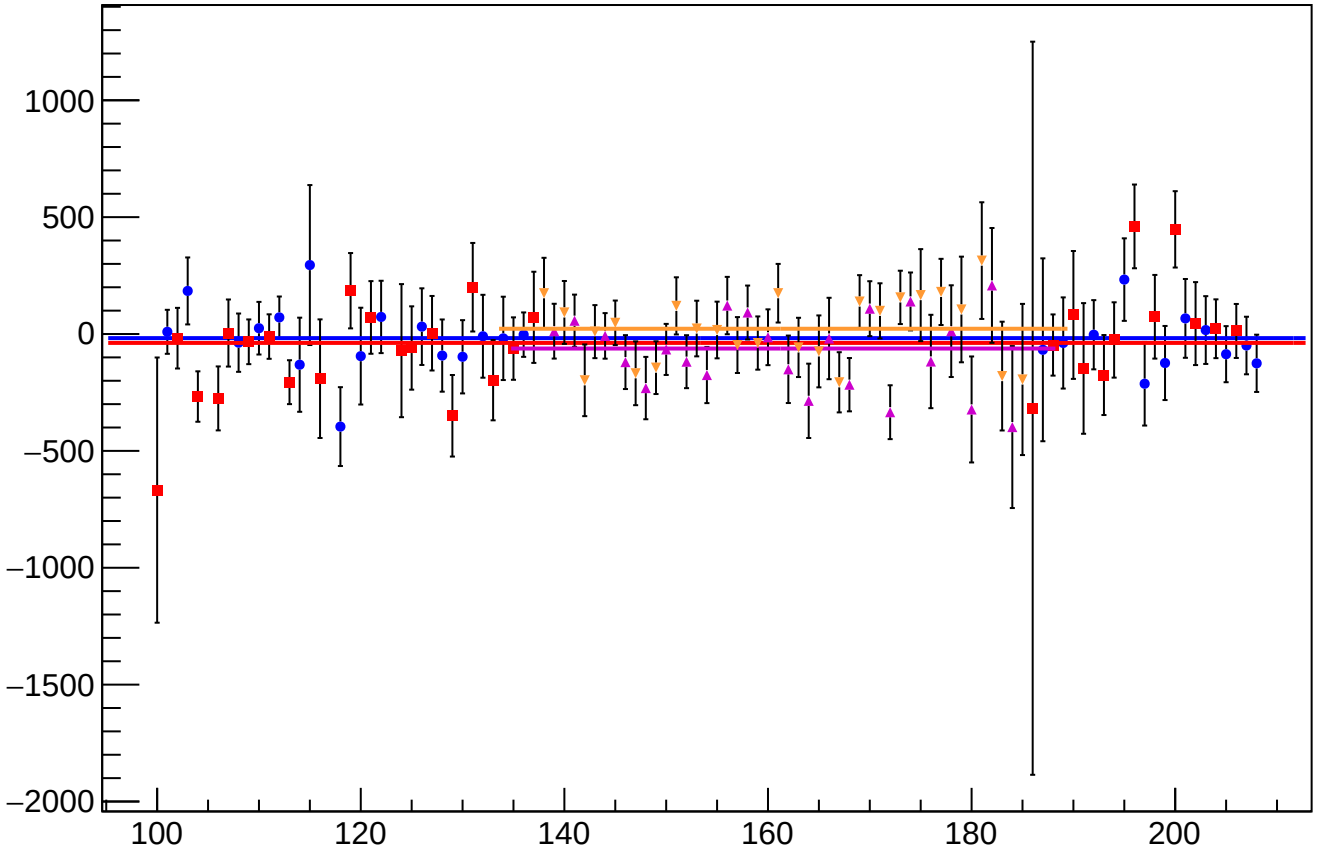
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 736.496+/-0.093 χ^2/NDF: 6636575.9/51

All: 731.149+/-0.065 χ^2/NDF: 14560927.7/10

- sign 725.775+/-0.093 χ^2/NDF: 7917653.9/53

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -17.566+/-27.485 χ^2/NDF: 15.7/26

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -38.029+/-27.052 χ^2/NDF: 39.7/30

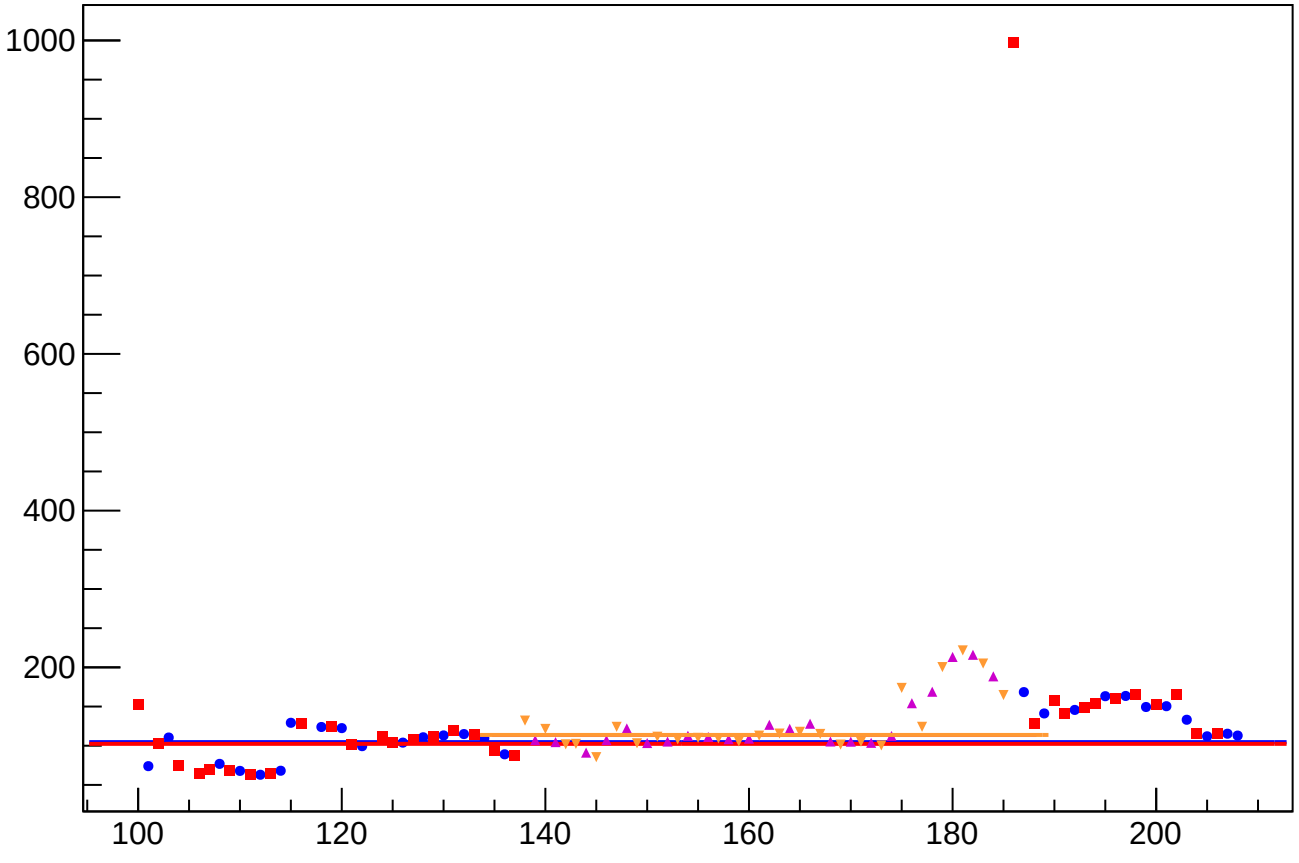
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 3.112+/-19.130 χ^2/NDF: 38.4/51

All: -23.293+/-13.562 χ^2/NDF: 109.6/105

- sign -49.972+/-19.229 χ^2/NDF: 67.4/53

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 104.583+/-0.019 χ^2/NDF: 2284944.2/26

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

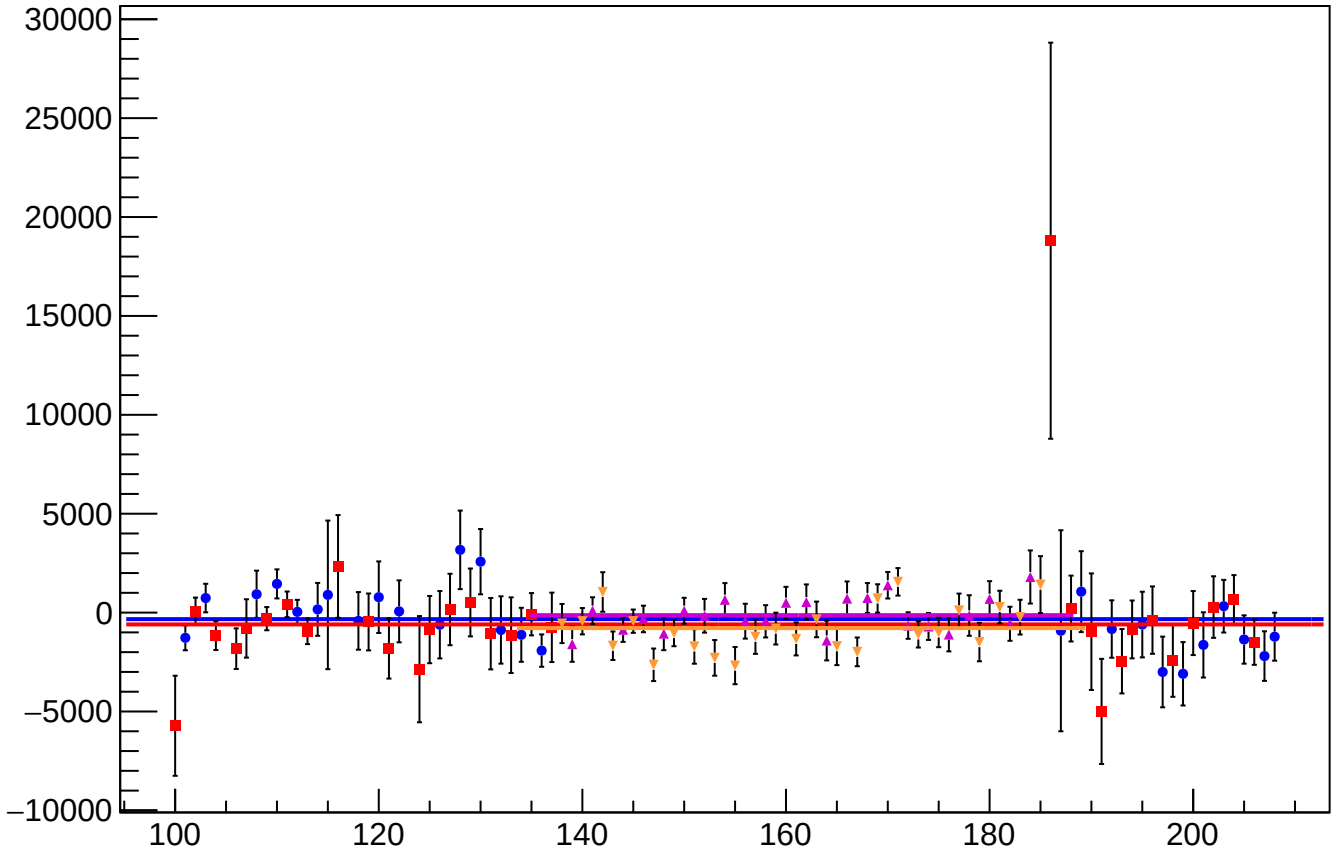
Right Out: 102.403+/-0.019 χ^2/NDF: 3585790.0/30

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 109.317+/-0.014 χ^2/NDF: 3979956.2/51

All: 108.652+/-0.010 χ^2/NDF: 9058488.5/105

- sign 107.980+/-0.014 χ^2/NDF: 5073671.9/53



Right In: -330.696+/-225.885 χ^2/NDF: 33.1/26

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: -597.304+/-215.611 χ^2/NDF: 24.8/30

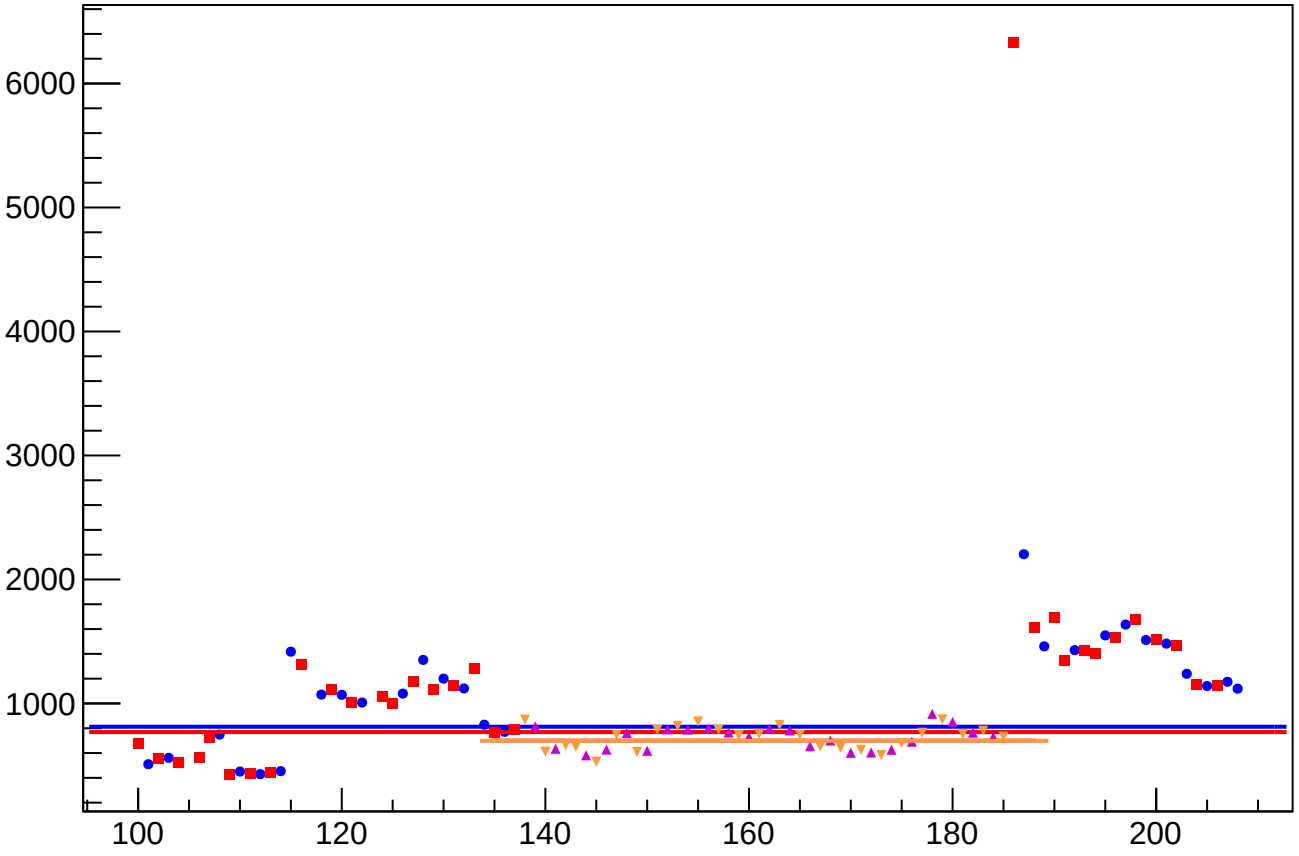
Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -632.134+/-130.826 χ^2/NDF: 81.2/51

All: -467.373+/-92.626 χ^2/NDF: 134.9/105

- sign -301.766+/-131.161 χ^2/NDF: 50.5/53

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 812.293+/-0.160 χ^2/NDF: 5583021.6/26

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 769.516+/-0.152 χ^2/NDF: 7202658.3/30

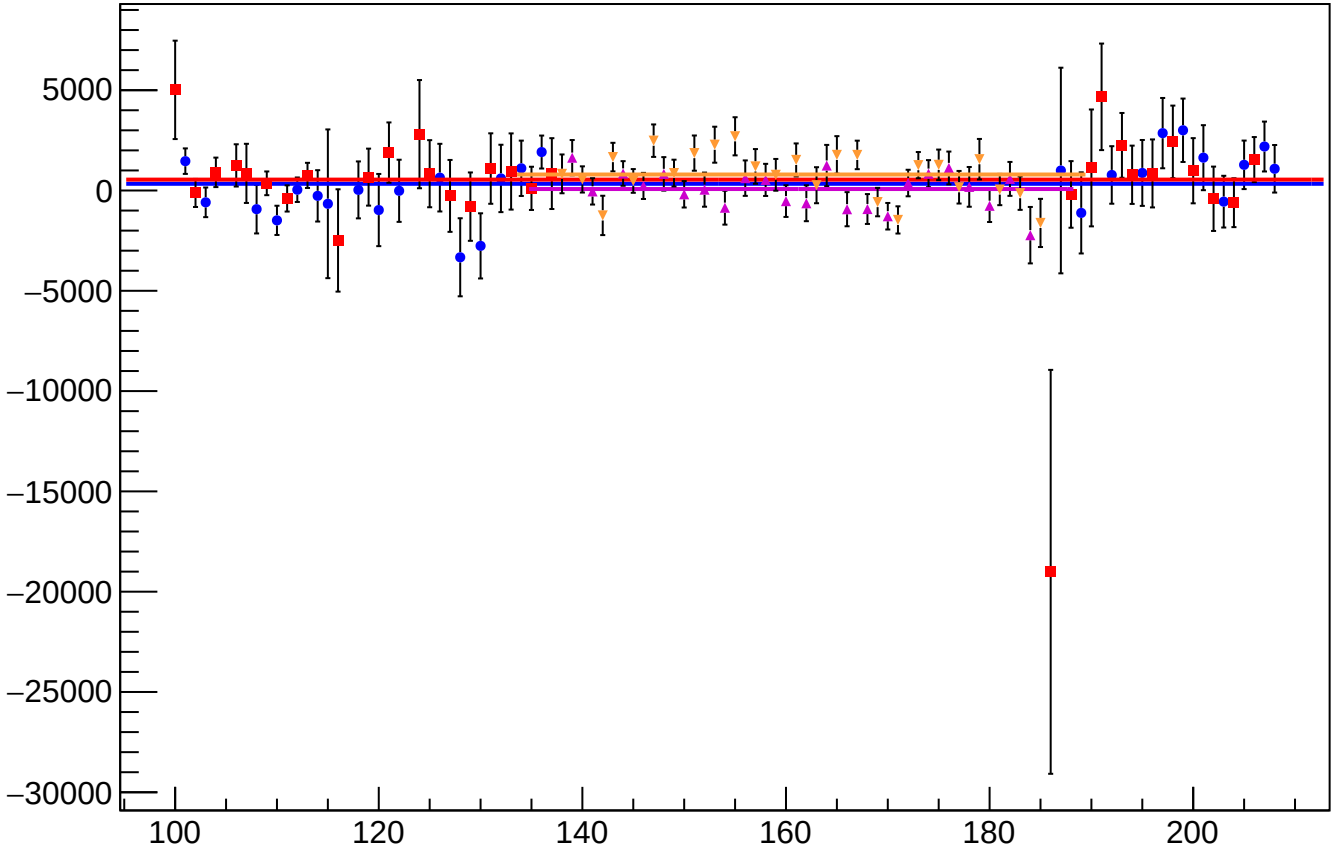
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 736.495+/-0.093 χ^2/NDF: 6636575.2/51

All: 731.149+/-0.065 χ^2/NDF: 14560917.5/10

- sign 725.775+/-0.093 χ^2/NDF: 7917644.5/53

asym_sam_1548_avg_mean vs Slug



Right In: 334.444+/-225.267 χ^2/NDF: 34.5/26

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 542.843+/-215.277 χ^2/NDF: 22.2/30

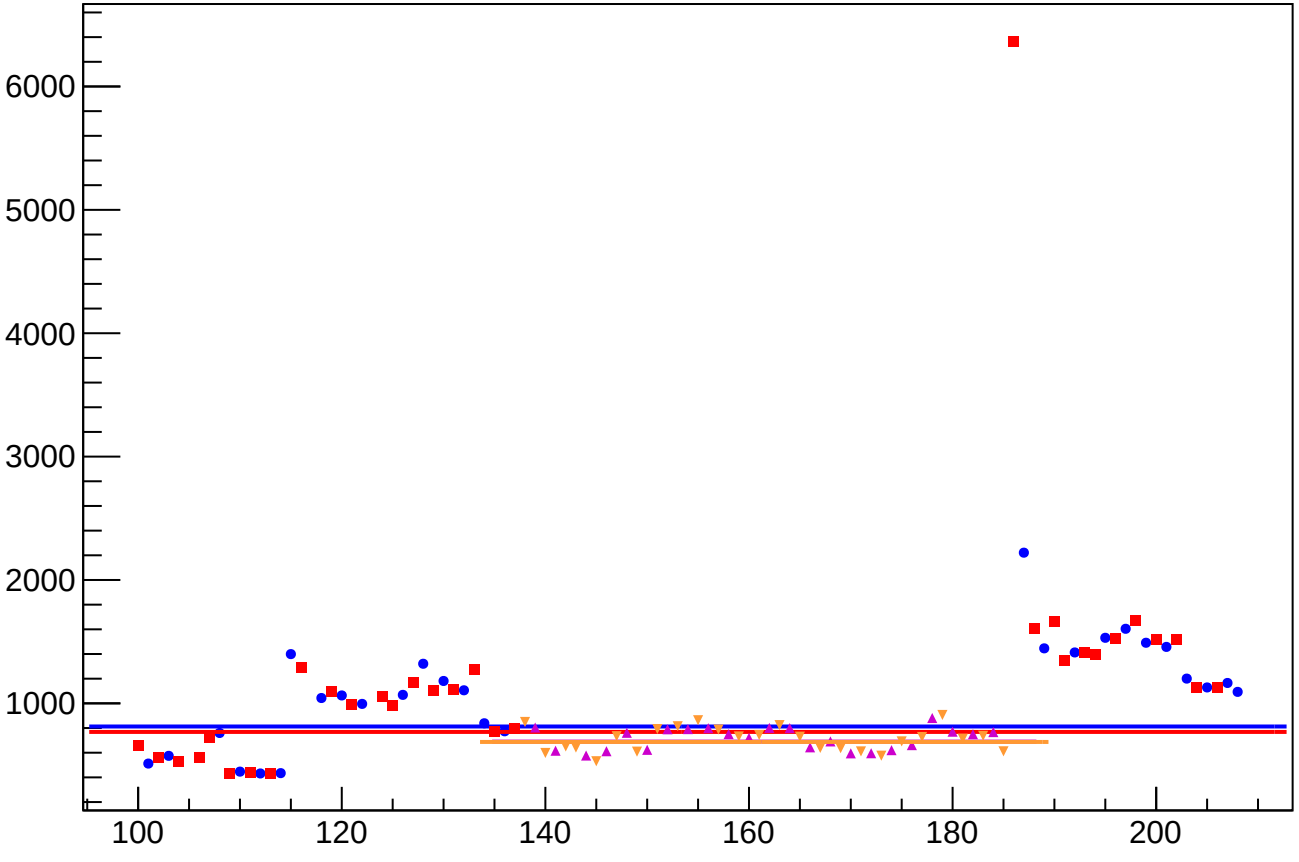
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 644.232+/-129.432 χ^2/NDF: 83.7/51

All: 445.006+/-91.684 χ^2/NDF: 138.6/105

- sign 244.365+/-129.891 χ^2/NDF: 50.1/53

asym_sam_1548_avg_rms vs Slug



Right In: 812.429+/-0.159 χ^2/NDF: 5402960.2/26

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

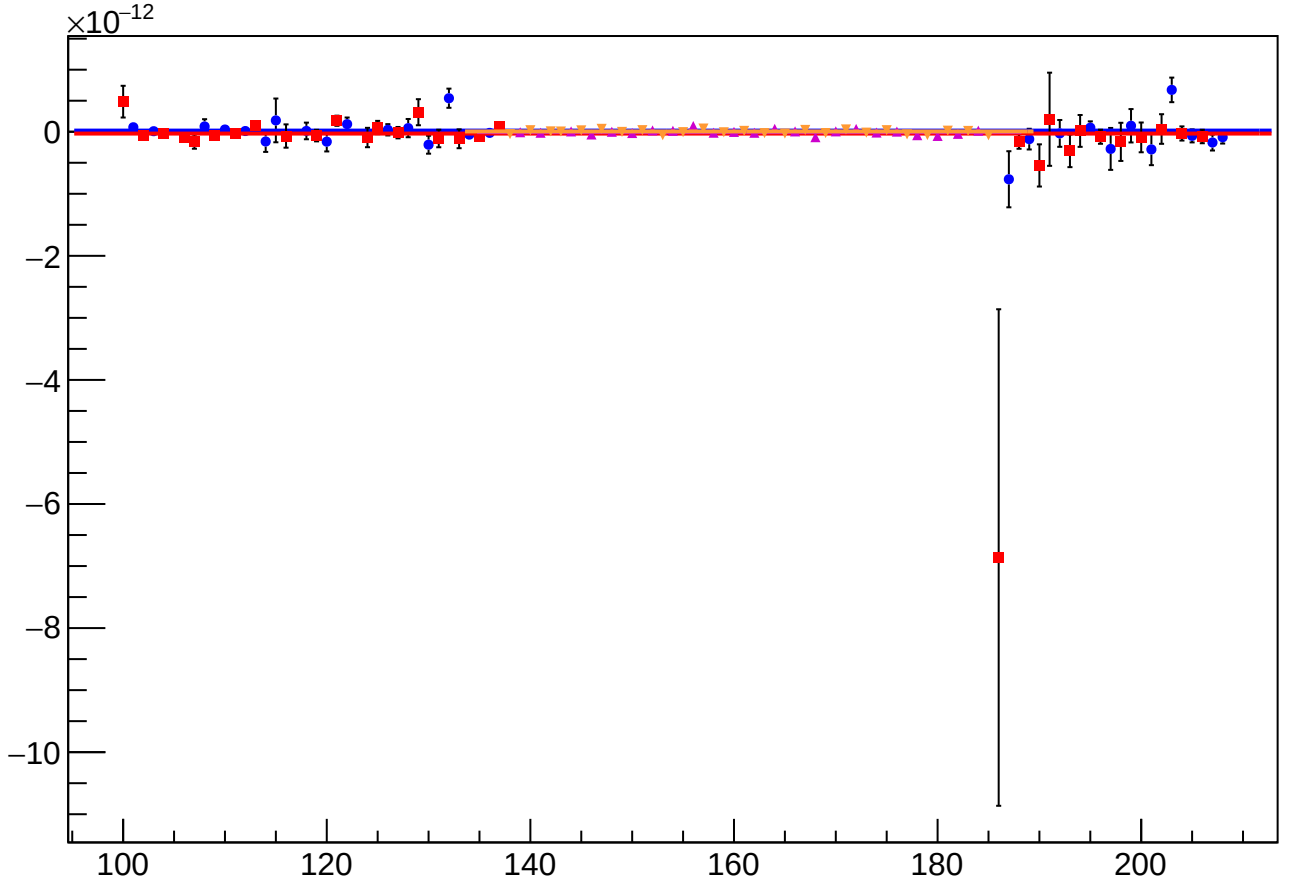
Right Out: 768.436+/-0.152 χ^2/NDF: 7151011.6/30

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 728.571+/-0.092 χ^2/NDF: 6544703.7/51

All: 723.579+/-0.065 χ^2/NDF: 14437633.9/10

- sign 718.553+/-0.092 χ^2/NDF: 7886960.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 44.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

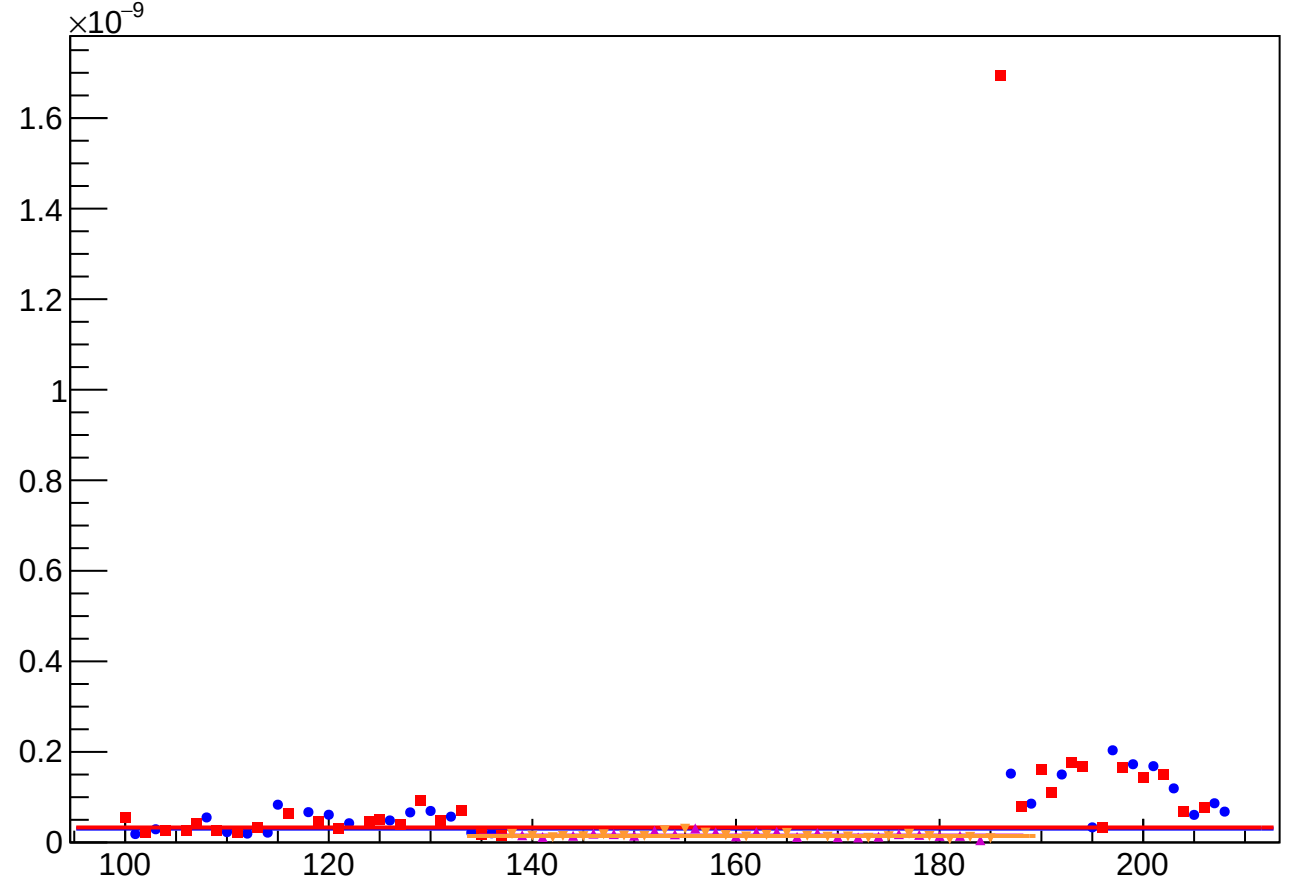
Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/30

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.6/51

All: -0.000+/-0.000 χ^2/NDF: 134.5/105

- sign -0.000+/-0.000 χ^2/NDF: 62.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 5427676.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

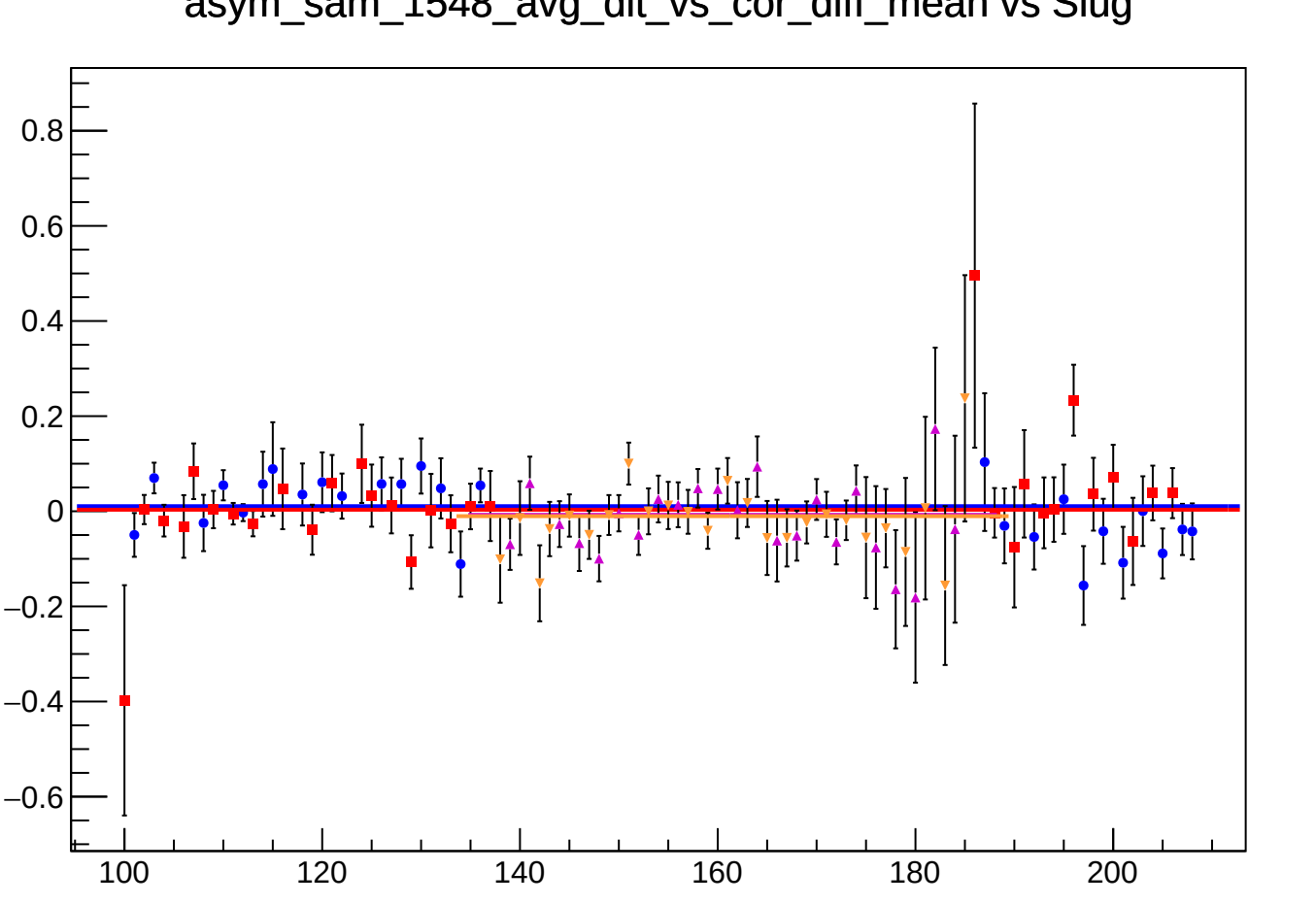
Right Out: 0.000+/-0.000 χ^2/NDF: 5088135.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

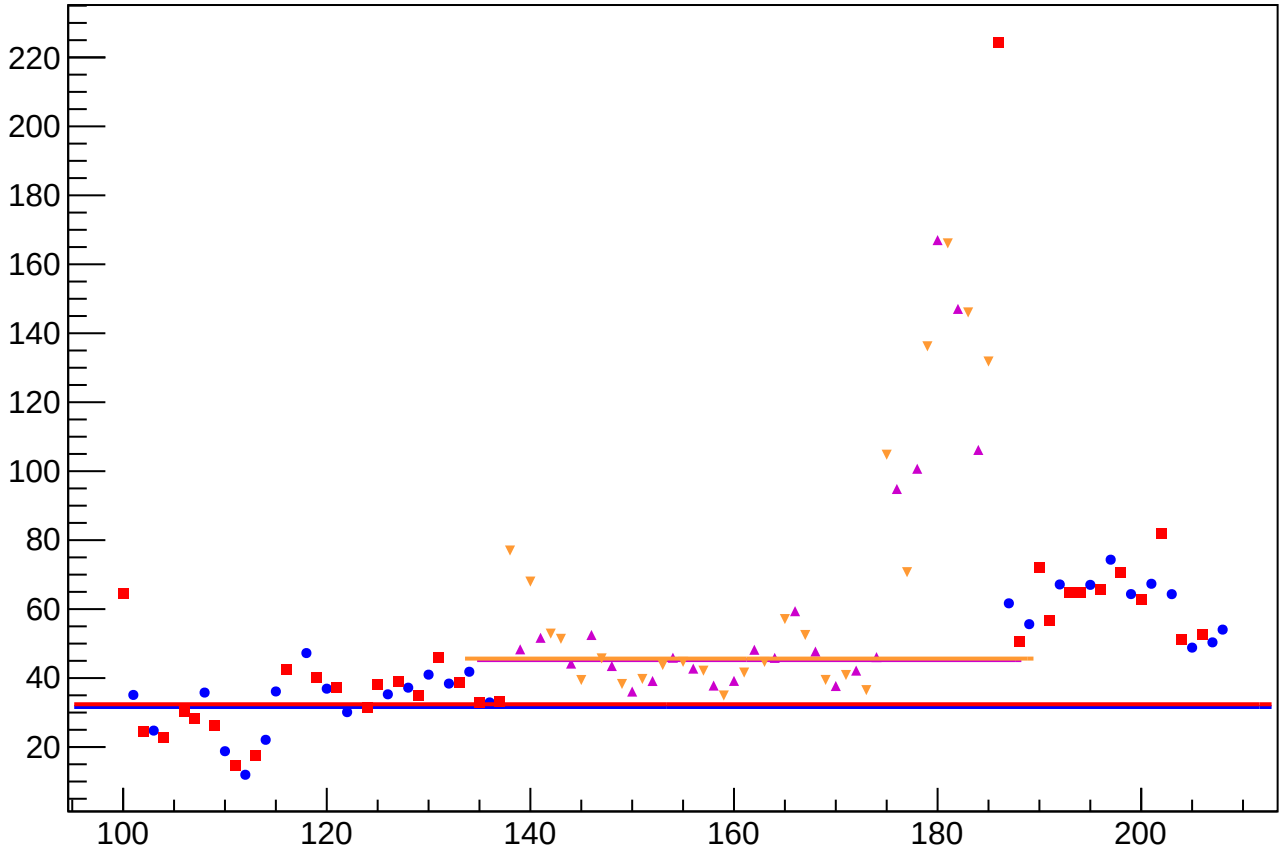
+ sign 0.000+/-0.000 χ^2/NDF: 8619252.8/51

All: 0.000+/-0.000 χ^2/NDF: 17168133.0/105

- sign 0.000+/-0.000 χ^2/NDF: 8505956.6/53


asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.011+/-0.009 χ²/NDF: 32.6/26
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: 0.003+/-0.009 χ²/NDF: 28.9/30
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign 0.002+/-0.007 χ²/NDF: 52.8/51
All: 0.001+/-0.005 χ²/NDF: 105.6/105
- sign -0.001+/-0.007 χ²/NDF: 52.7/53

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 31.618+/-0.007 χ^2/NDF: 7055783.3/26

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

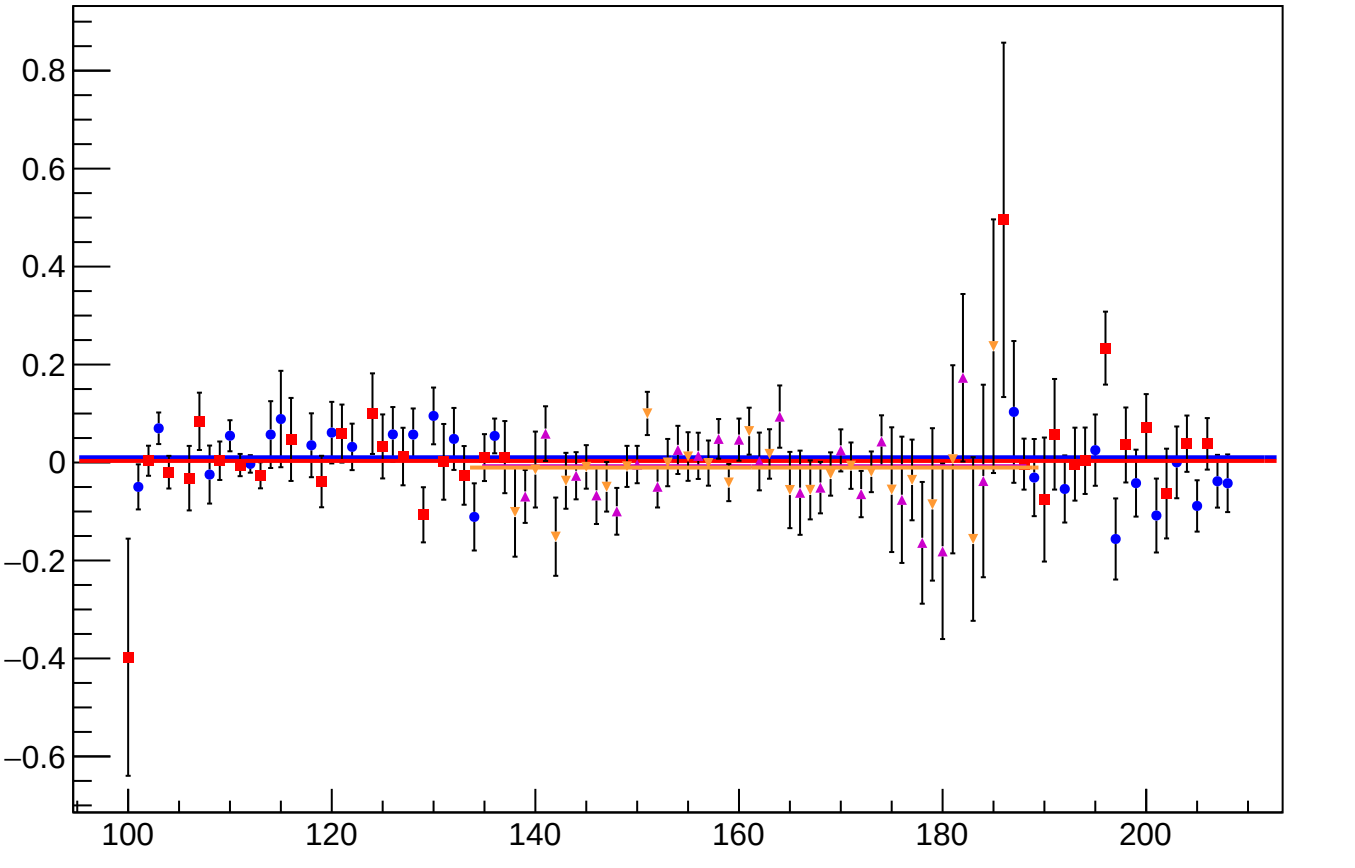
Right Out: 32.409+/-0.007 χ^2/NDF: 6809199.1/30

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 37.273+/-0.005 χ^2/NDF: 12920281.8/51

All: 37.389+/-0.004 χ^2/NDF: 24238822.5/105

- sign 37.506+/-0.005 χ^2/NDF: 11317488.1/53



Right In: 0.011+/-0.009 χ^2/NDF: 32.6/26

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

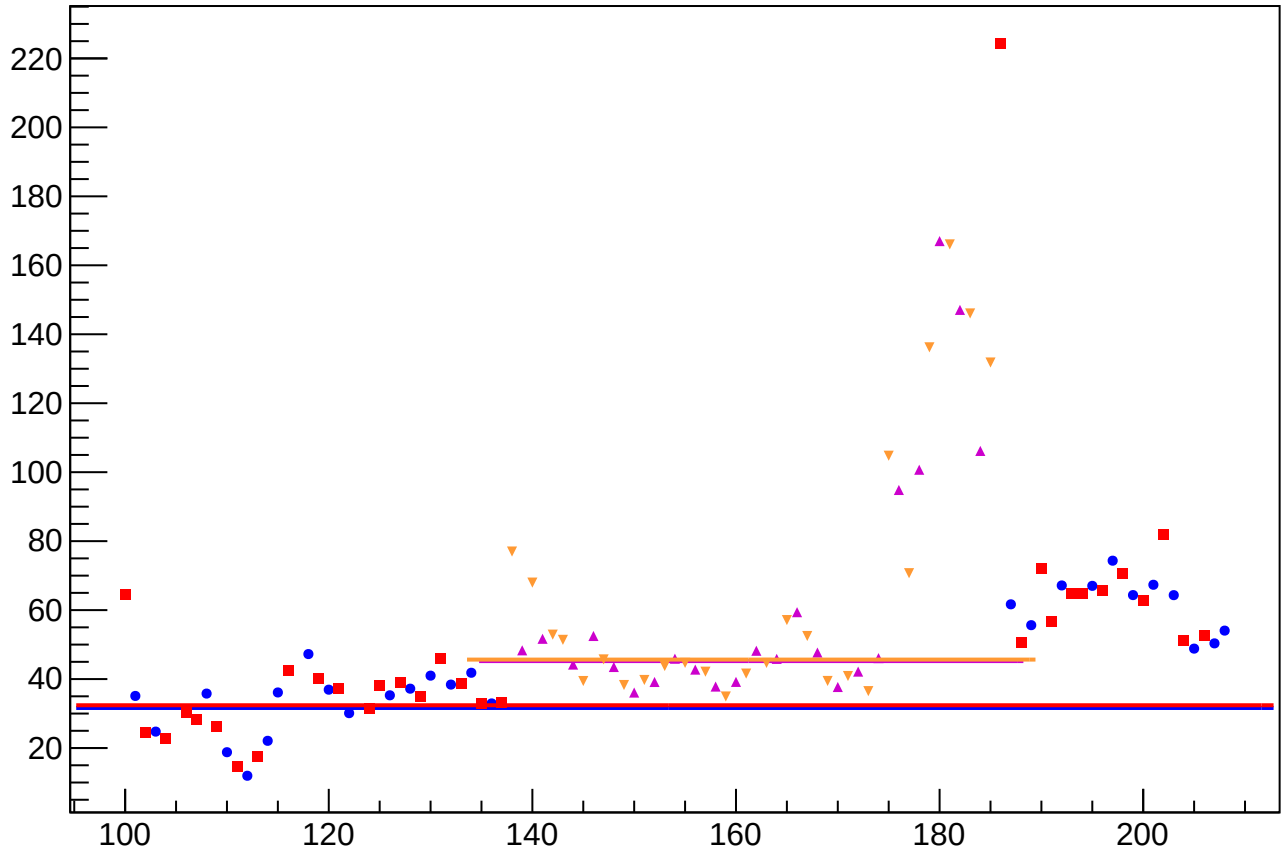
Right Out: 0.003+/-0.009 χ^2/NDF: 28.9/30

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.002+/-0.007 χ^2/NDF: 52.8/51

All: 0.001+/-0.005 χ^2/NDF: 105.6/105

- sign -0.001+/-0.007 χ^2/NDF: 52.7/53



Right In: 31.618+/-0.007 χ^2/NDF: 7055783.3/26

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

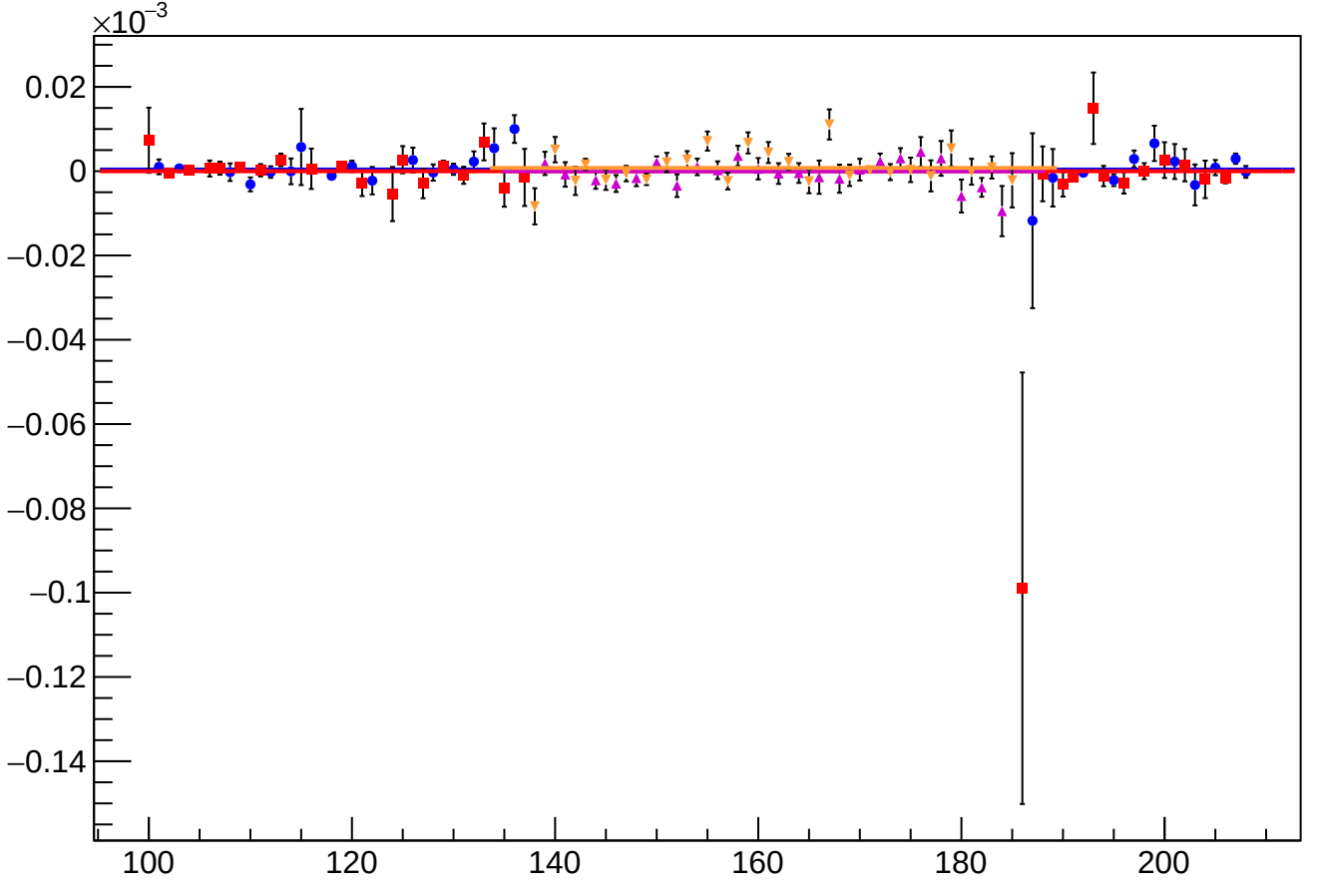
Right Out: 32.409+/-0.007 χ^2/NDF: 6809199.1/30

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 37.273+/-0.005 χ^2/NDF: 12920281.8/51

All: 37.389+/-0.004 χ^2/NDF: 24238822.5/105

- sign 37.506+/-0.005 χ^2/NDF: 11317488.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 32.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

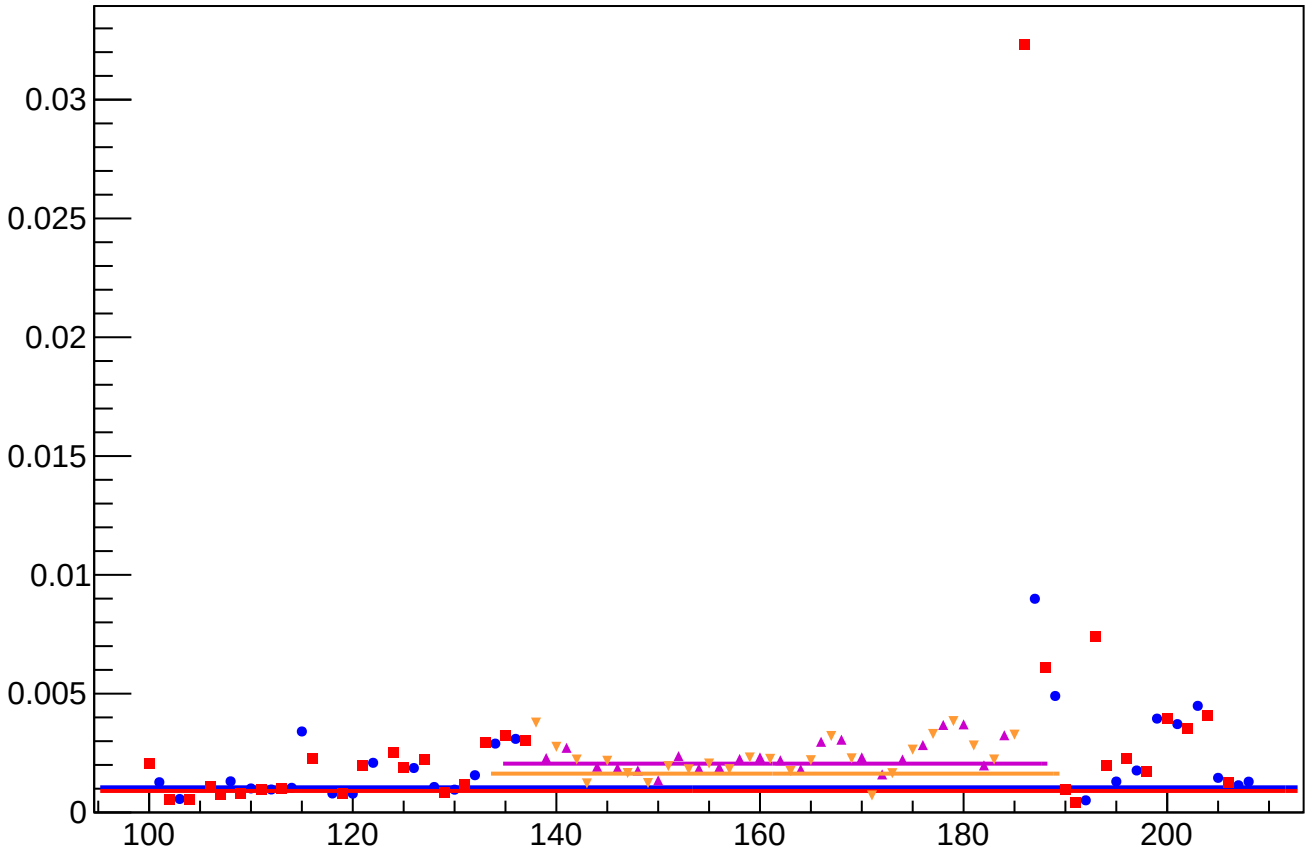
Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/30

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 79.4/51

All: 0.000+/-0.000 χ^2/NDF: 135.1/105

- sign -0.000+/-0.000 χ^2/NDF: 53.5/53



Right In: 0.001+/-0.000 χ^2/NDF: 7512250.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

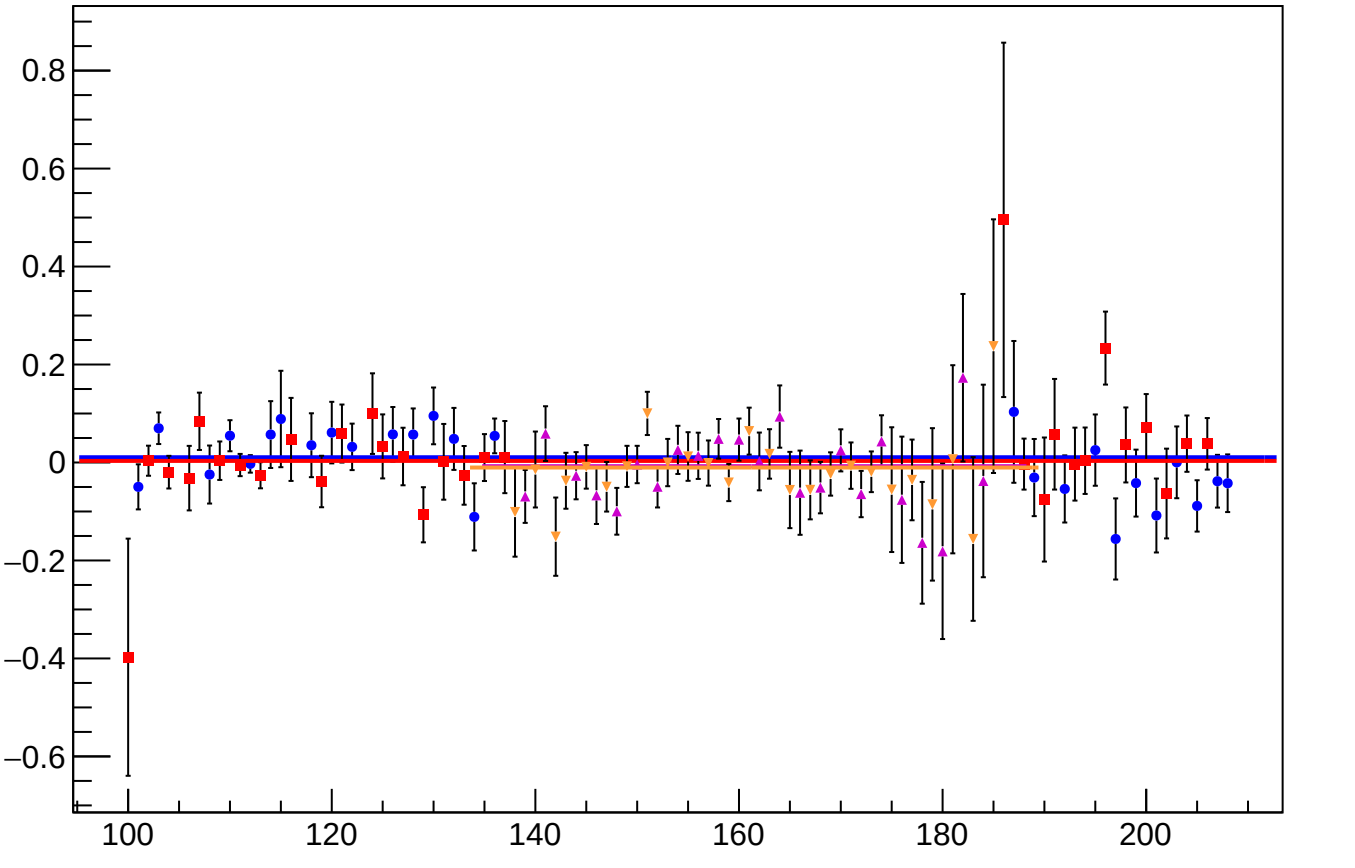
Right Out: 0.001+/-0.000 χ^2/NDF: 11899050.1/30

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 16422129.1/51

All: 0.001+/-0.000 χ^2/NDF: 38386977.3/105

- sign 0.001+/-0.000 χ^2/NDF: 21857593.4/53



Right In: 0.011+/-0.009 χ^2/NDF: 32.6/26

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

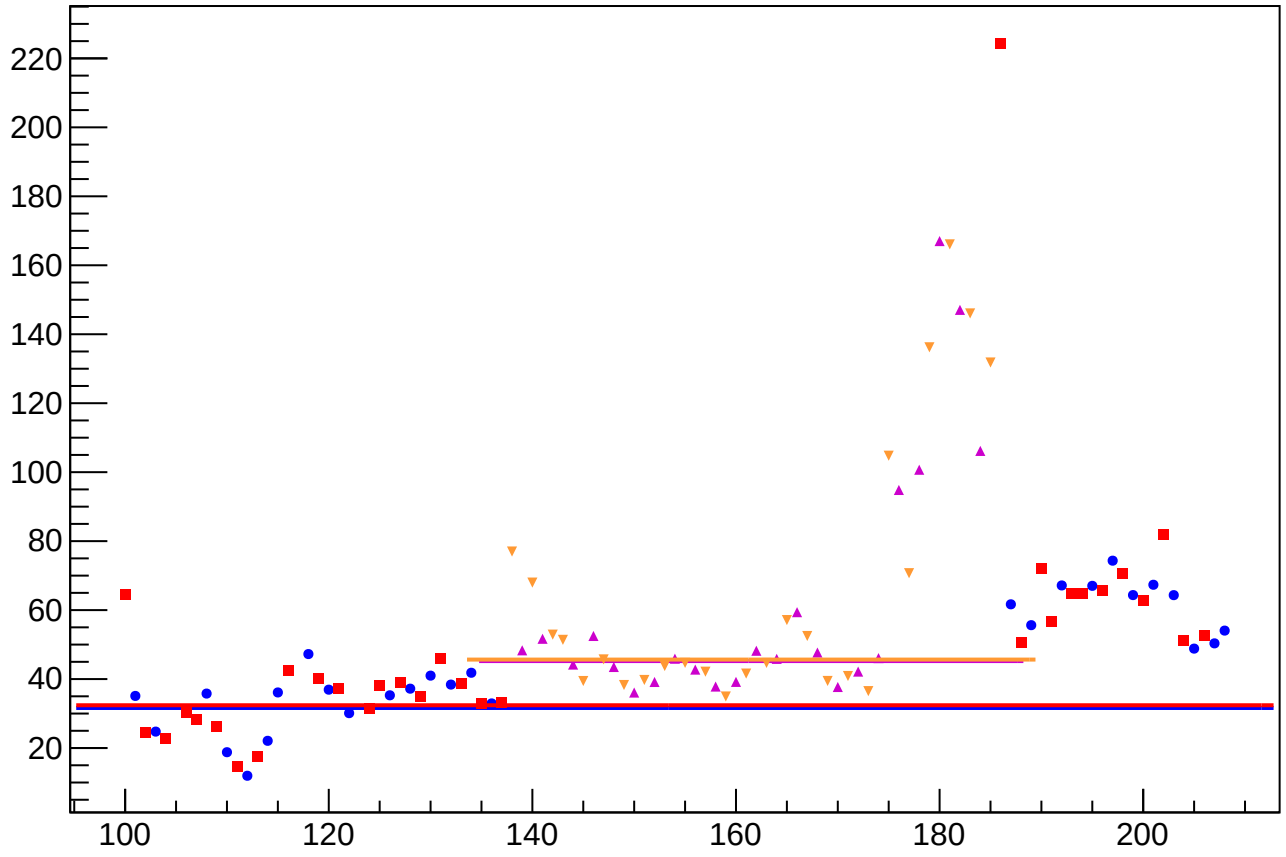
Right Out: 0.003+/-0.009 χ^2/NDF: 28.9/30

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.002+/-0.007 χ^2/NDF: 52.8/51

All: 0.001+/-0.005 χ^2/NDF: 105.6/105

- sign -0.001+/-0.007 χ^2/NDF: 52.7/53



Right In: 31.618+/-0.007 χ^2/NDF: 7056055.4/26

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

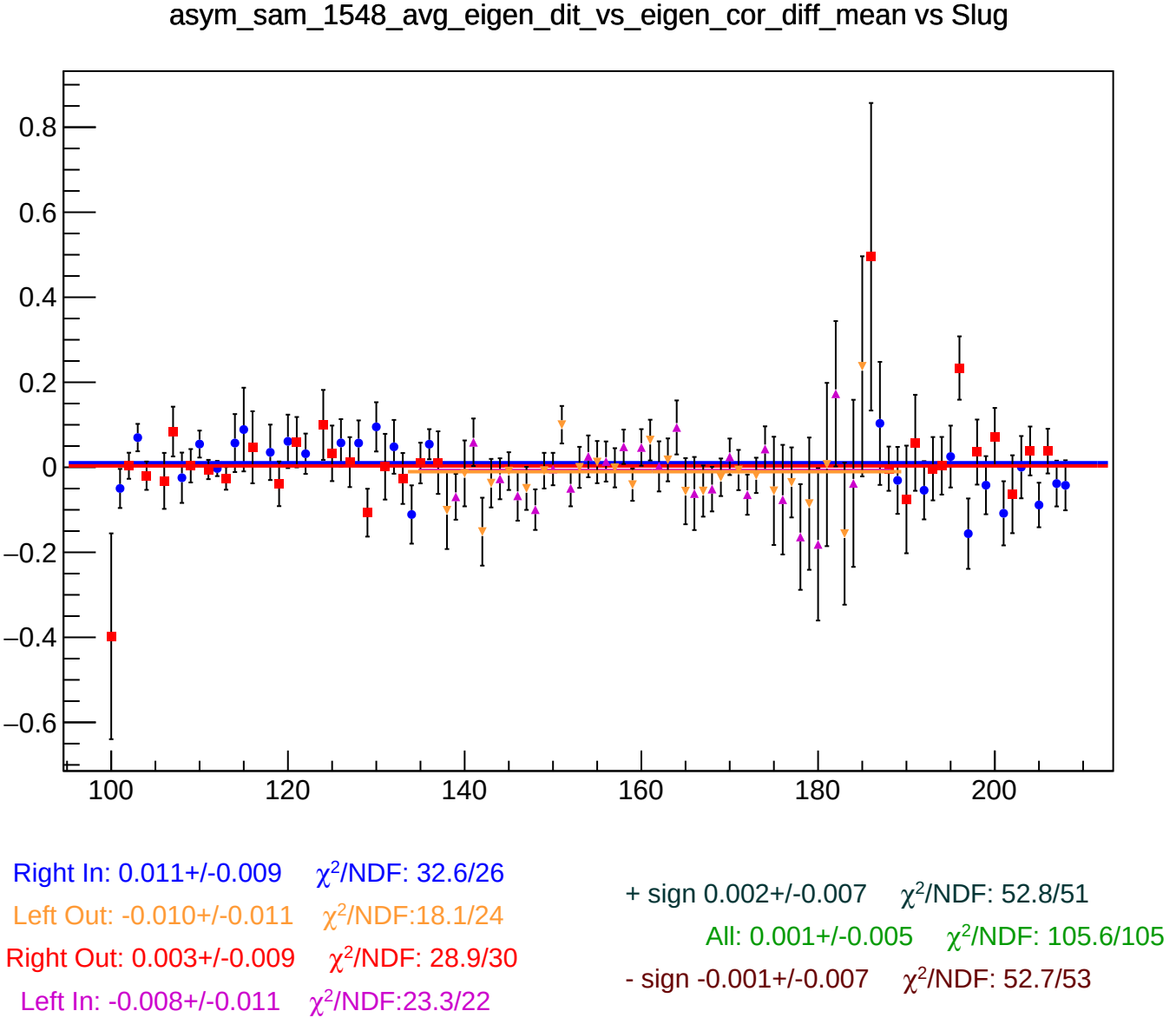
Right Out: 32.408+/-0.007 χ^2/NDF: 6809446.9/30

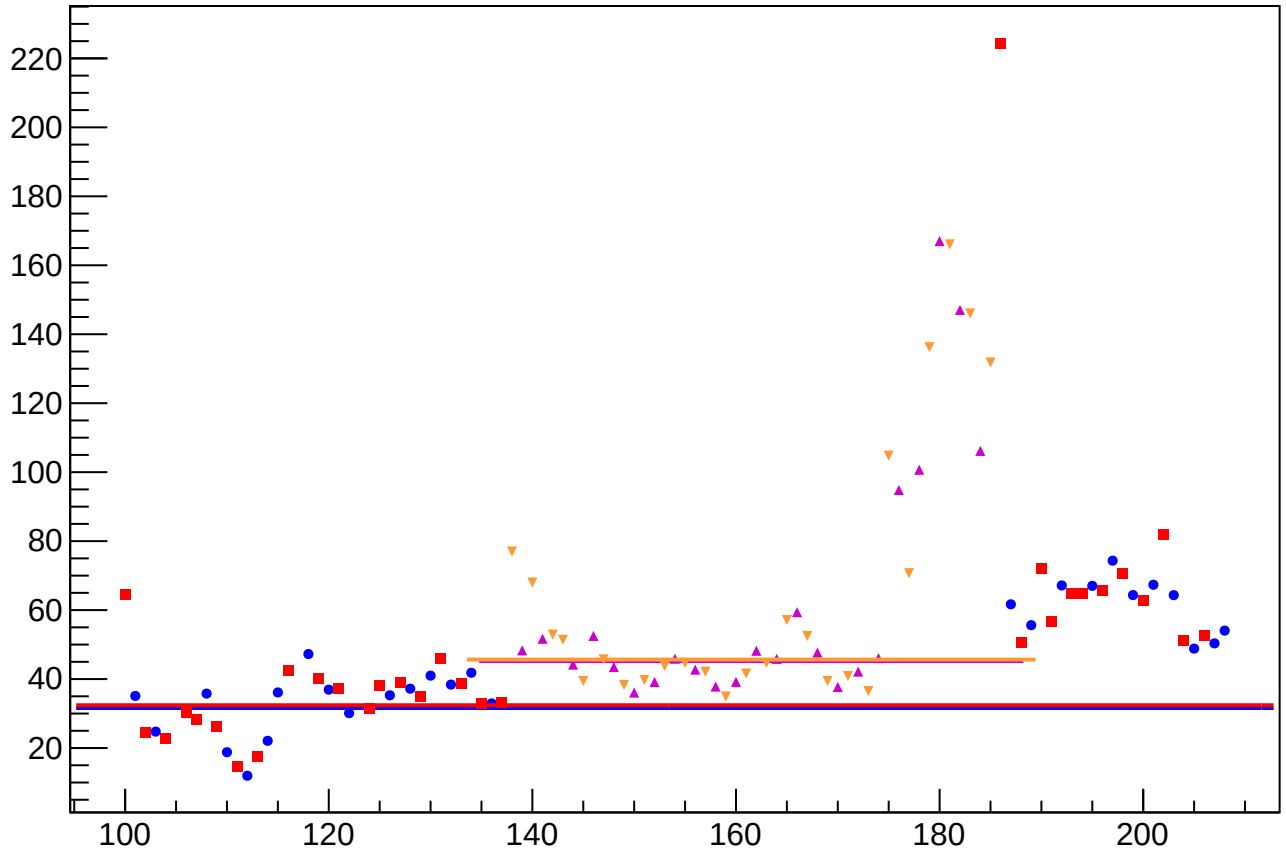
Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 37.273+/-0.005 χ^2/NDF: 12920746.6/51

All: 37.389+/-0.004 χ^2/NDF: 24239655.6/105

- sign 37.506+/-0.005 χ^2/NDF: 11317855.0/53


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.011+/-0.009 χ²/NDF: 32.6/26
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: 0.003+/-0.009 χ²/NDF: 28.9/30
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign 0.002+/-0.007 χ²/NDF: 52.8/51
All: 0.001+/-0.005 χ²/NDF: 105.6/105
- sign -0.001+/-0.007 χ²/NDF: 52.7/53



Right In: 31.618+/-0.007 χ^2/NDF: 7056055.4/26

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

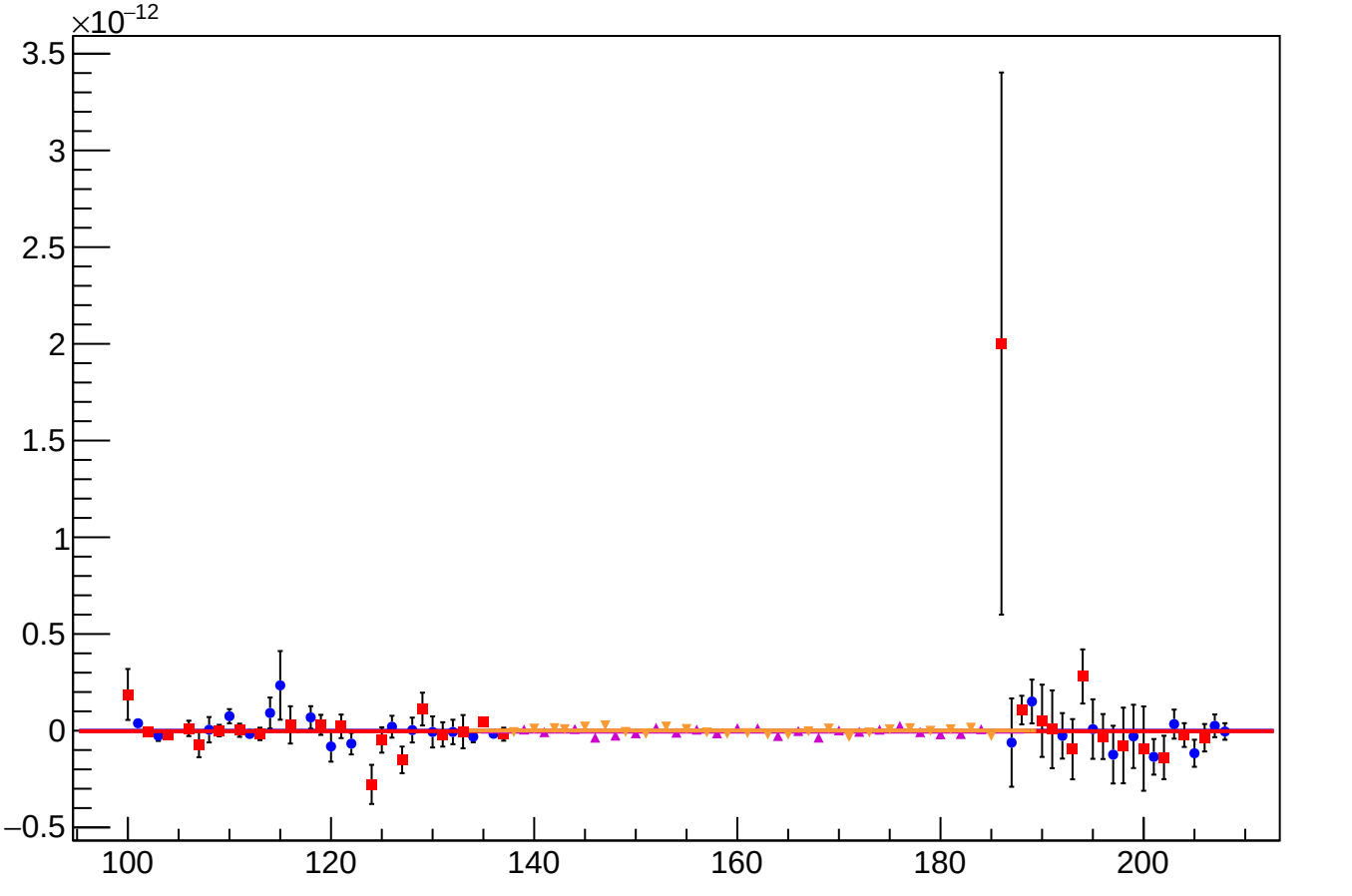
Right Out: 32.408+/-0.007 χ^2/NDF: 6809446.9/30

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 37.273+/-0.005 χ^2/NDF: 12920746.6/51

All: 37.389+/-0.004 χ^2/NDF: 24239655.6/105

- sign 37.506+/-0.005 χ^2/NDF: 11317855.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

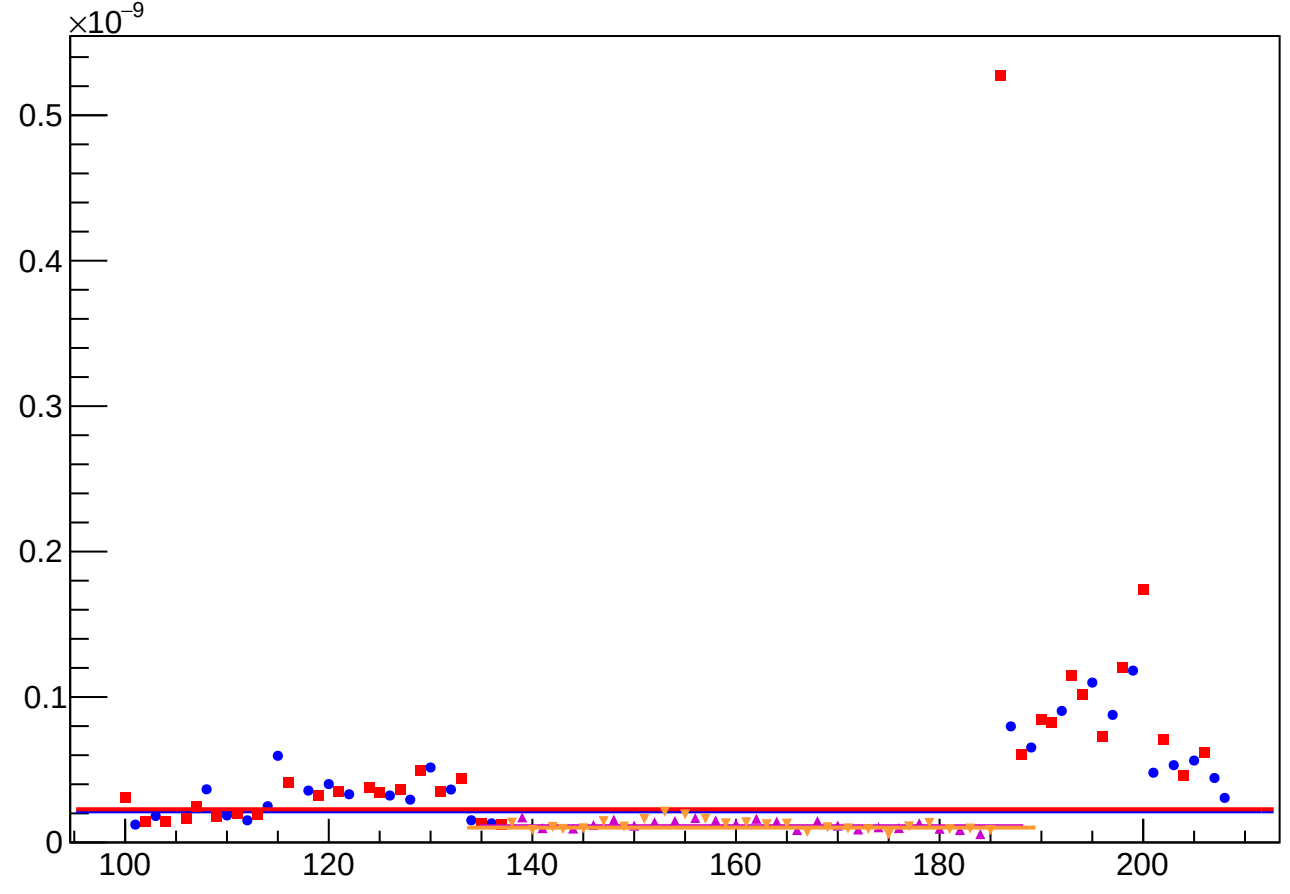
Right Out: -0.000+/-0.000 χ^2/NDF: 34.4/30

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.1/51

All: -0.000+/-0.000 χ^2/NDF: 111.9/105

- sign -0.000+/-0.000 χ^2/NDF: 58.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 6503842.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7545203.6/30

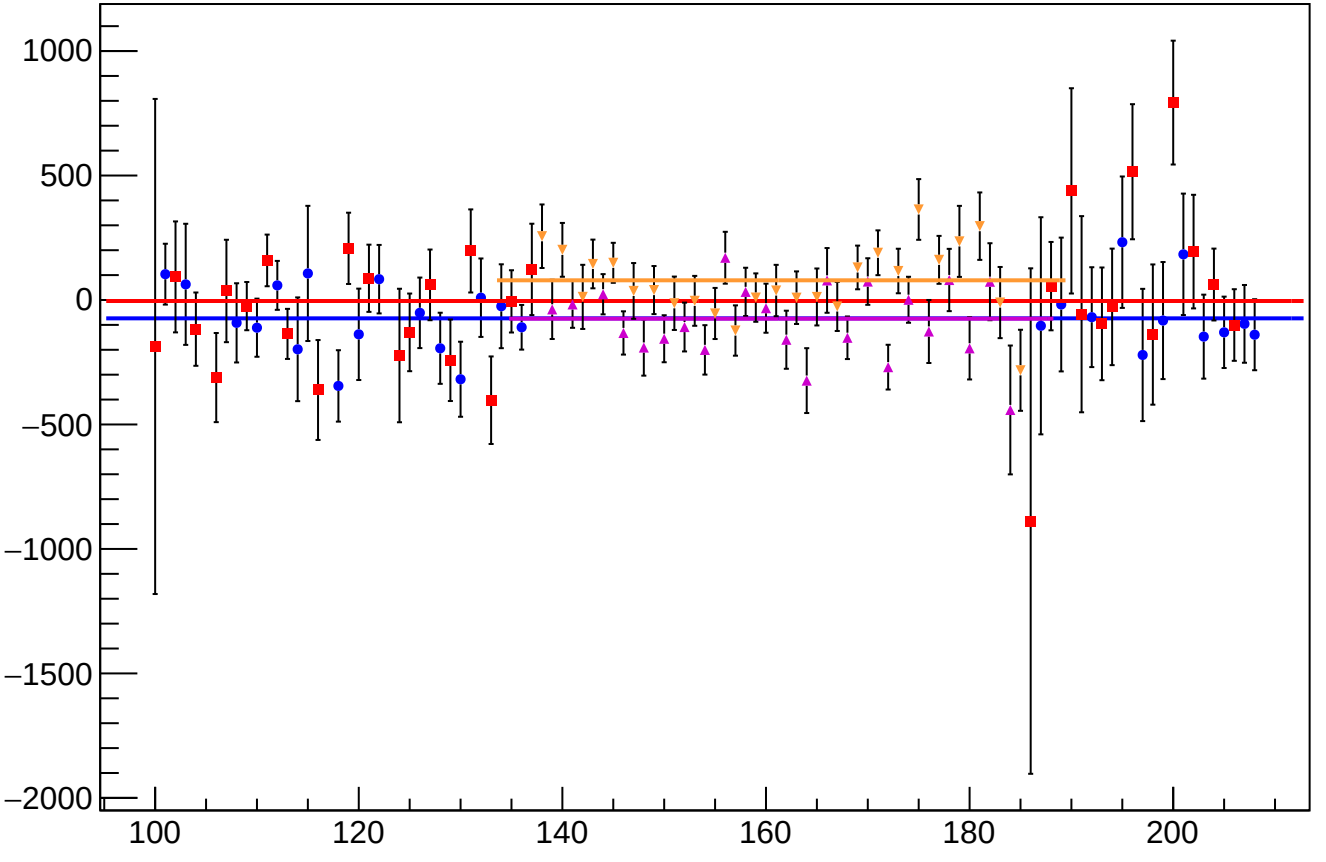
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12071321.0/51

All: 0.000+/-0.000 χ^2/NDF: 24409134.4/105

- sign 0.000+/-0.000 χ^2/NDF: 12203136.8/53

reg_asym_sam_3748_avg_mean vs Slug



Right In: -73.693+/-30.261 χ^2/NDF: 17.4/26

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -4.037+/-30.240 χ^2/NDF: 42.4/30

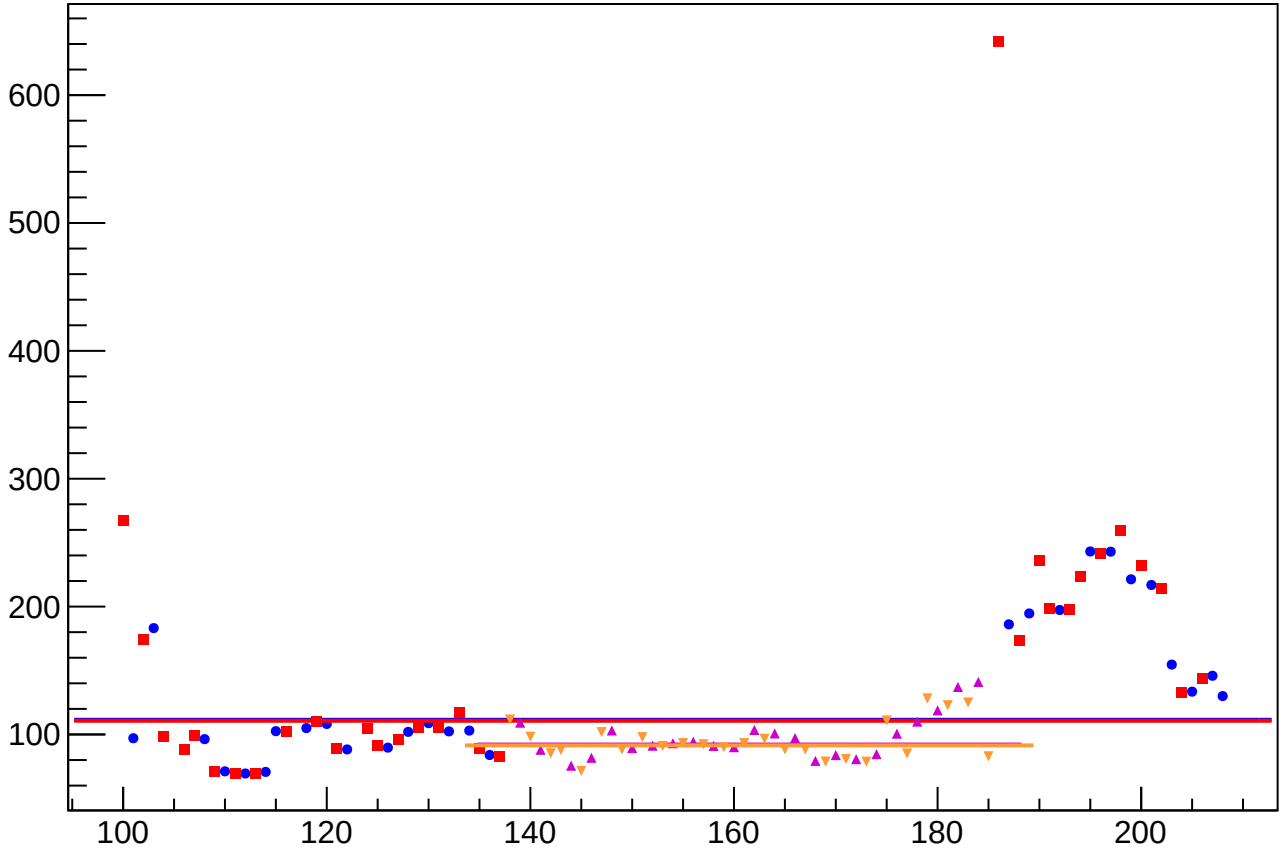
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 29.108+/-17.309 χ^2/NDF: 66.6/51

All: -9.902+/-12.377 χ^2/NDF: 155.6/105

- sign -50.711+/-17.704 χ^2/NDF: 78.6/53

reg_asym_sam_3748_avg_rms vs Slug



Right In: 111.471+/-0.021 χ^2/NDF: 3943820.9/26

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

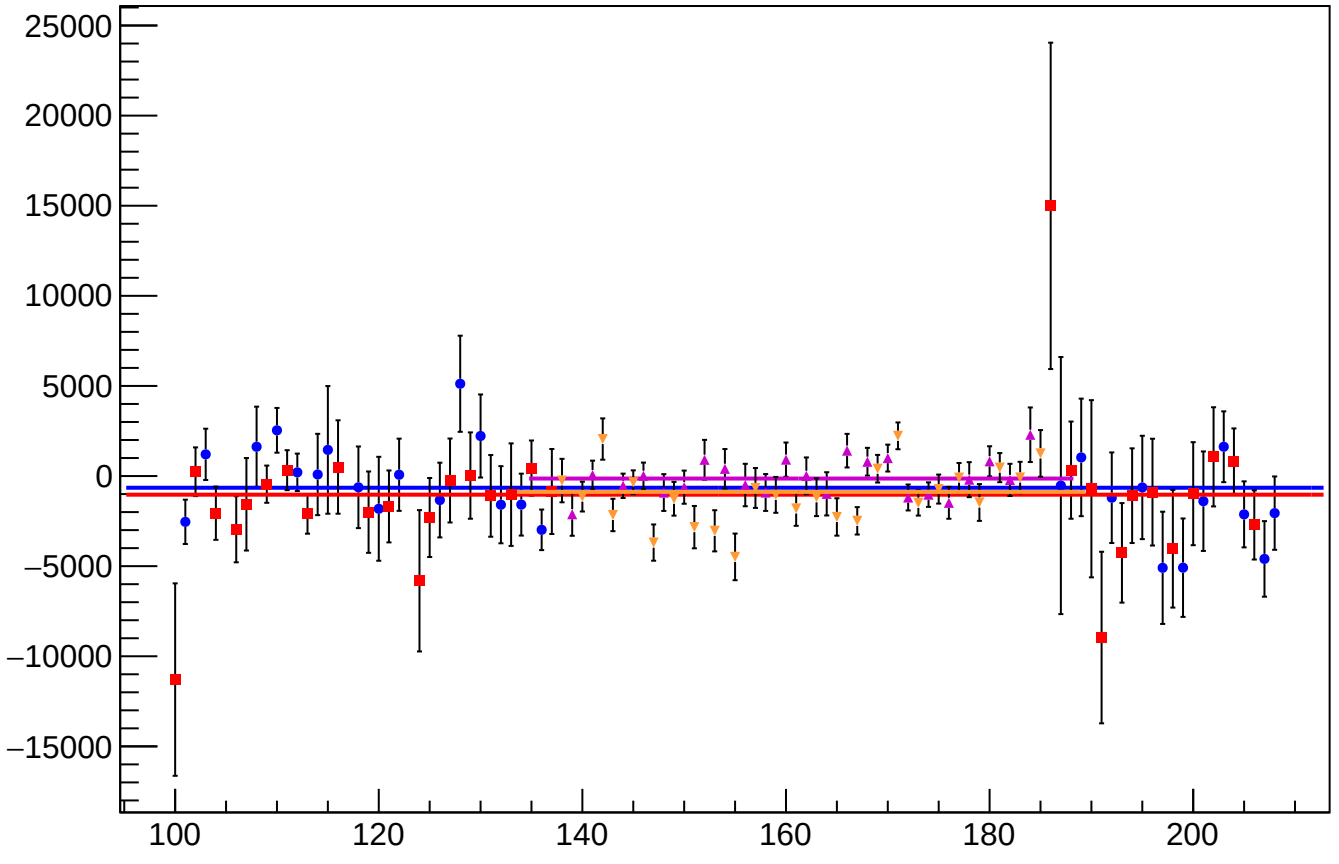
Right Out: 110.707+/-0.021 χ^2/NDF: 5385418.1/30

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 98.008+/-0.012 χ^2/NDF: 5283362.6/51

All: 98.238+/-0.009 χ^2/NDF: 11866753.2/105

- sign 98.478+/-0.013 χ^2/NDF: 6582672.1/53



Right In: -649.587+/-365.917 χ^2/NDF: 35.3/26

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1033.975+/-358.697 χ^2/NDF: 23.4/30

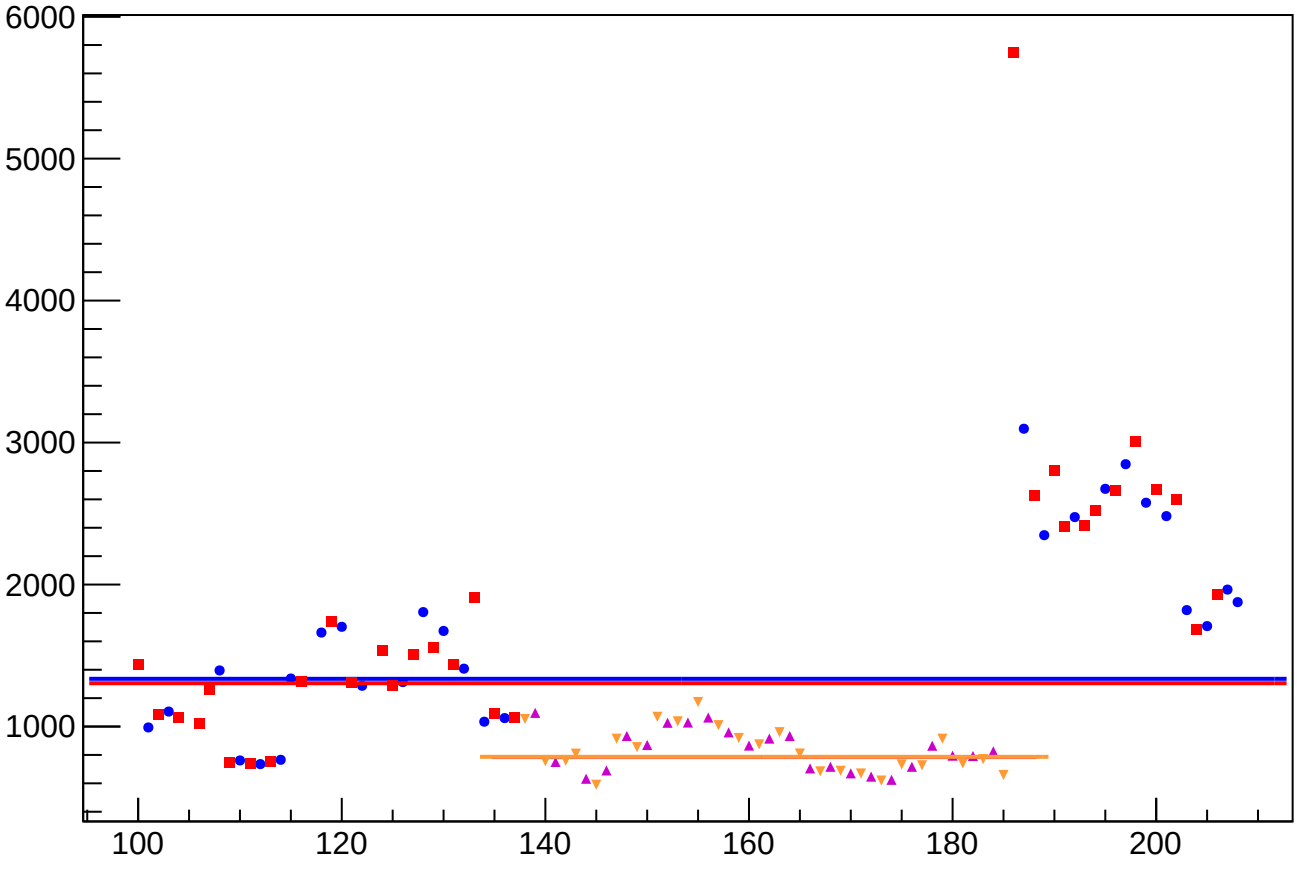
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -832.996+/-163.091 χ^2/NDF: 103.4/51

All: -584.903+/-116.172 χ^2/NDF: 160.6/105

- sign -329.359+/-165.521 χ^2/NDF: 52.5/53

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1336.156+/-0.259 χ^2/NDF: 4711950.2/26

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1304.939+/-0.254 χ^2/NDF: 6194180.6/30

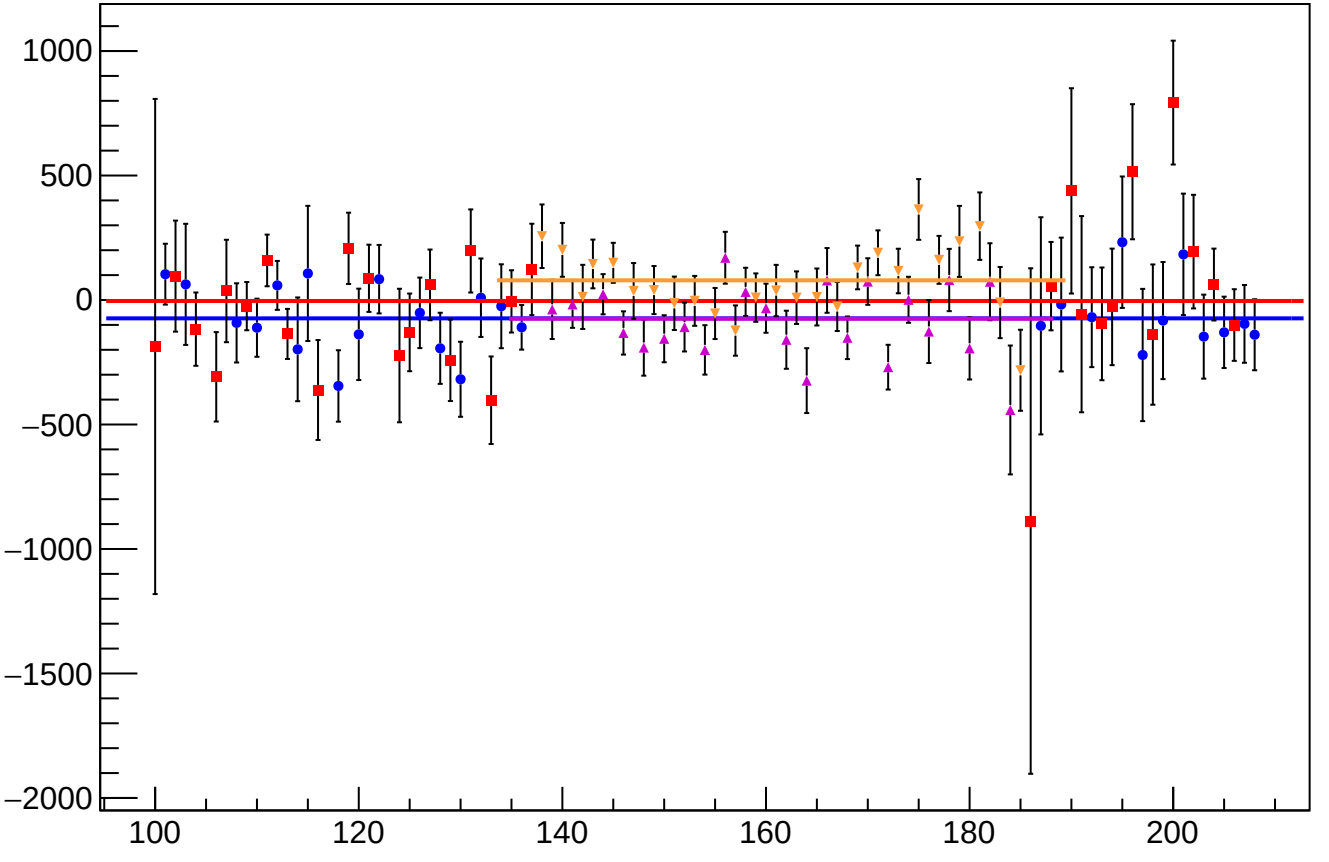
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 895.897+/-0.115 χ^2/NDF: 9535769.3/51

All: 895.743+/-0.082 χ^2/NDF: 20103229.9/10

- sign 895.583+/-0.117 χ^2/NDF: 10567456.9/53

cor_asym_sam_3748_avg_mean vs Slug



Right In: -73.705+/-30.261 χ^2/NDF: 17.4/26

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -3.839+/-30.243 χ^2/NDF: 42.3/30

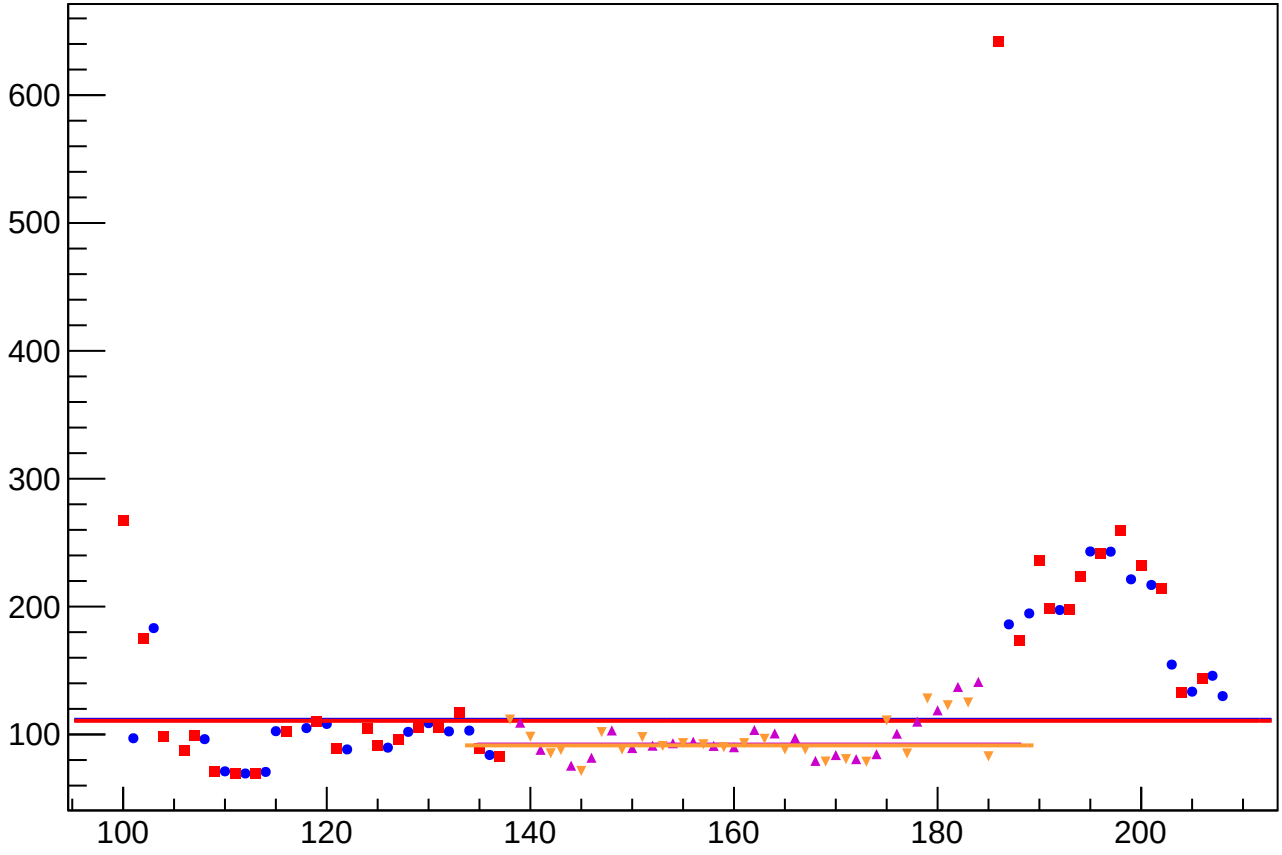
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 29.110+/-17.309 χ^2/NDF: 66.6/51

All: -9.869+/-12.377 χ^2/NDF: 155.5/105

- sign -50.646+/-17.704 χ^2/NDF: 78.6/53

cor_asym_sam_3748_avg_rms vs Slug



Right In: 111.471+/-0.021 χ^2/NDF: 3943823.9/26

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 110.674+/-0.021 χ^2/NDF: 5389159.6/30

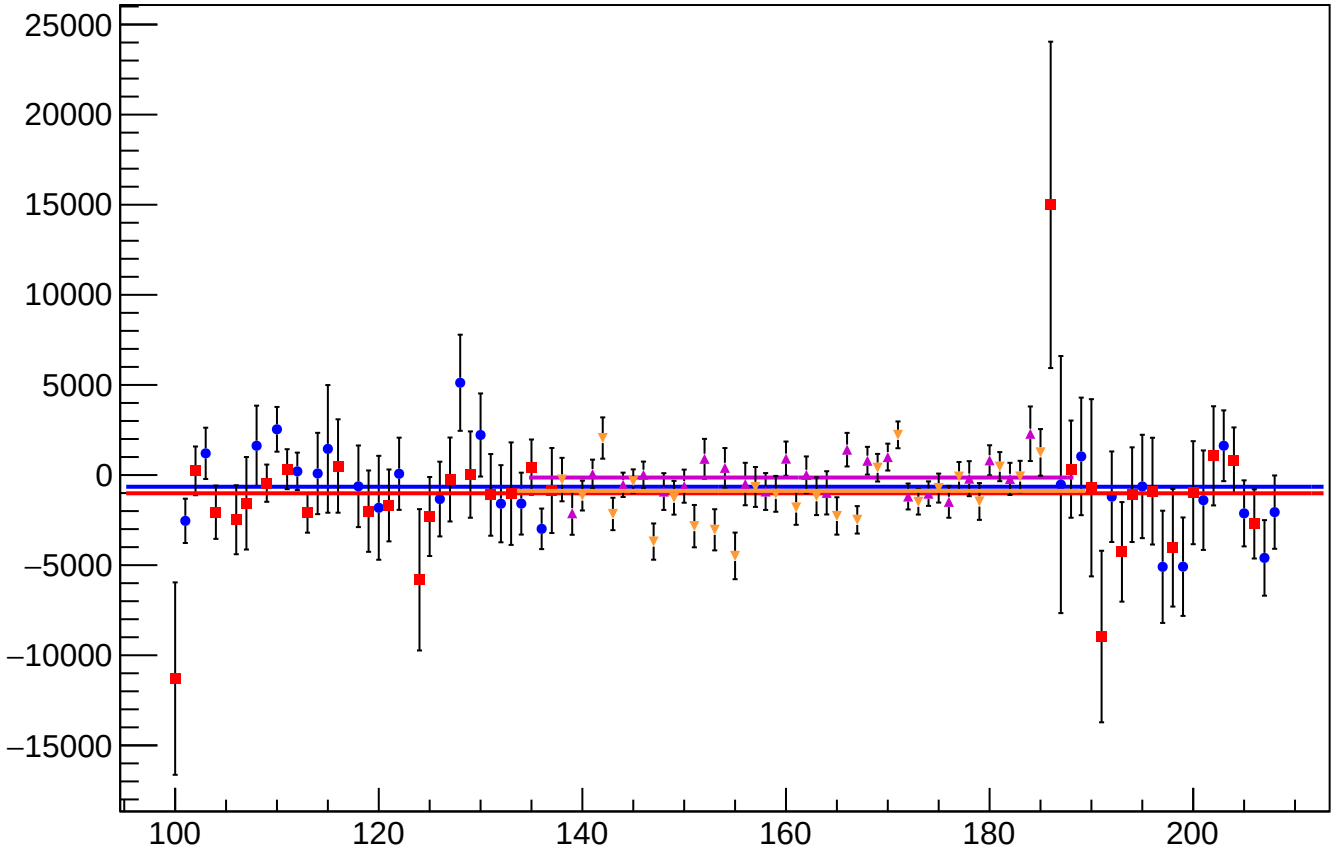
Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 98.008+/-0.012 χ^2/NDF: 5283365.8/51

All: 98.232+/-0.009 χ^2/NDF: 11868631.8/105

- sign 98.465+/-0.013 χ^2/NDF: 6584584.3/53

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -649.606+/-365.920 χ^2/NDF: 35.3/26

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1011.959+/-359.276 χ^2/NDF: 22.9/30

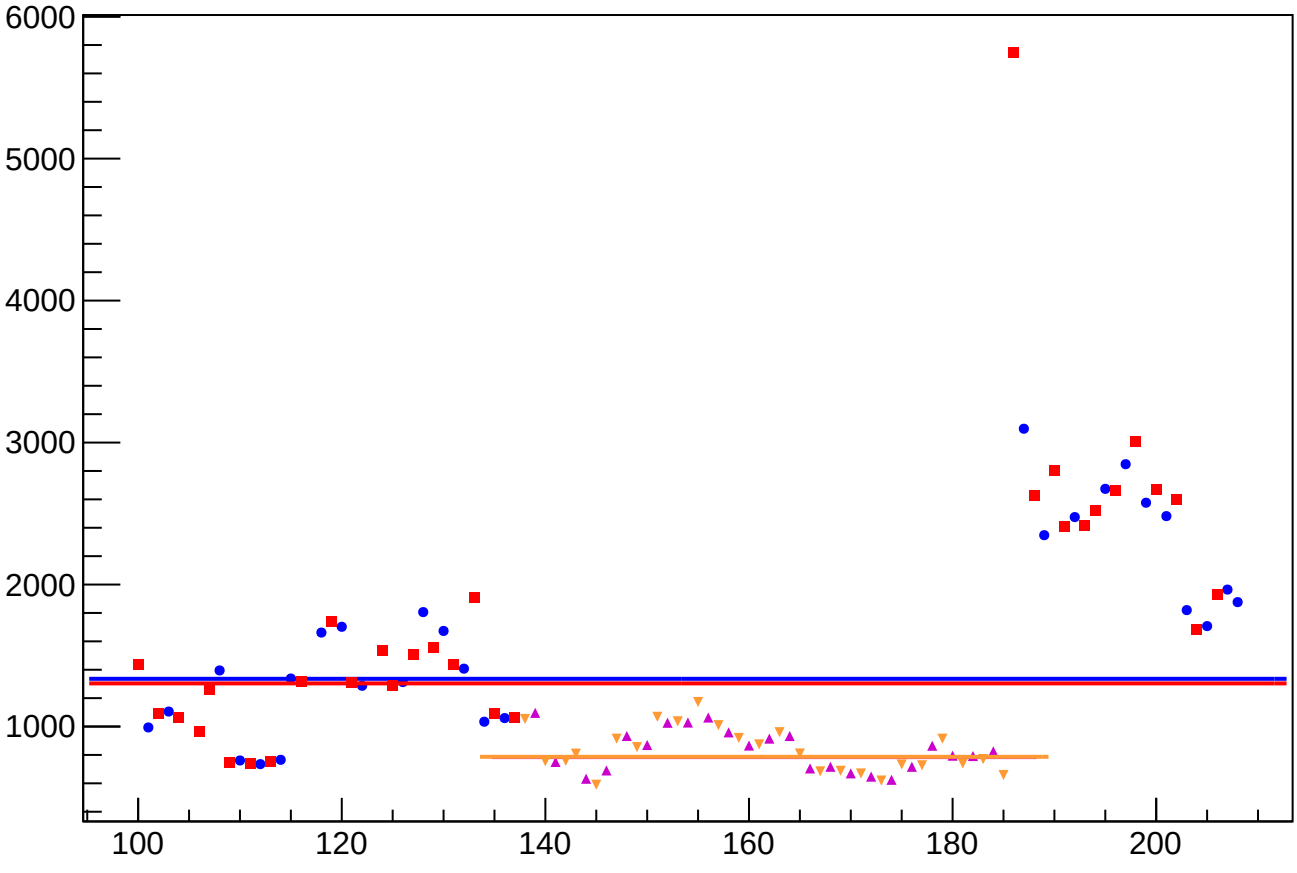
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -832.993+/-163.091 χ^2/NDF: 103.4/51

All: -582.447+/-116.192 χ^2/NDF: 159.9/105

- sign -324.201+/-165.578 χ^2/NDF: 51.8/53

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1336.166+/-0.259 χ^2/NDF: 4711894.8/26

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1303.891+/-0.254 χ^2/NDF: 6209115.7/30

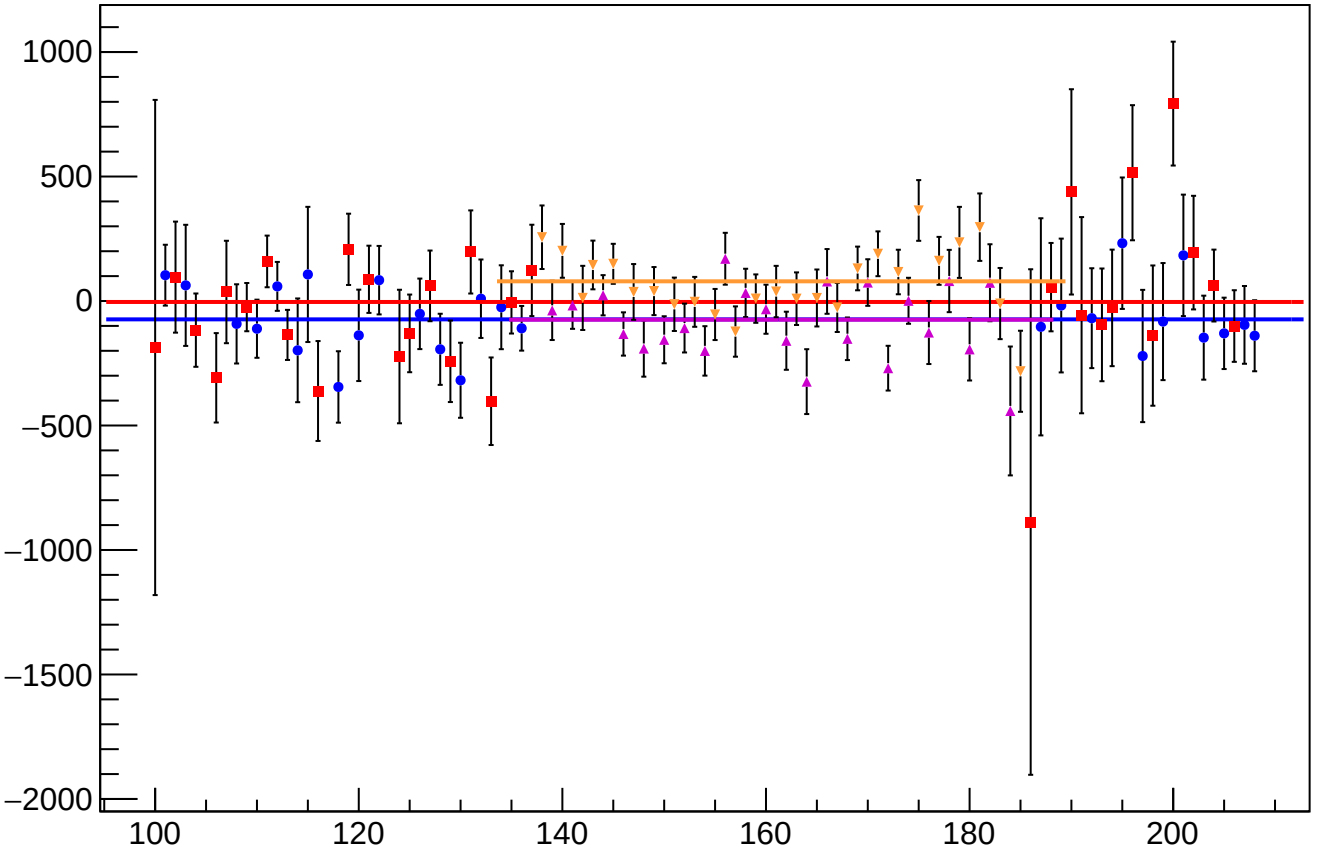
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 895.898+/-0.115 χ^2/NDF: 9535808.4/51

All: 895.495+/-0.082 χ^2/NDF: 20096536.6/10

- sign 895.080+/-0.117 χ^2/NDF: 10560703.4/53

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -73.705+/-30.261 χ^2/NDF: 17.4/26

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -3.839+/-30.243 χ^2/NDF: 42.3/30

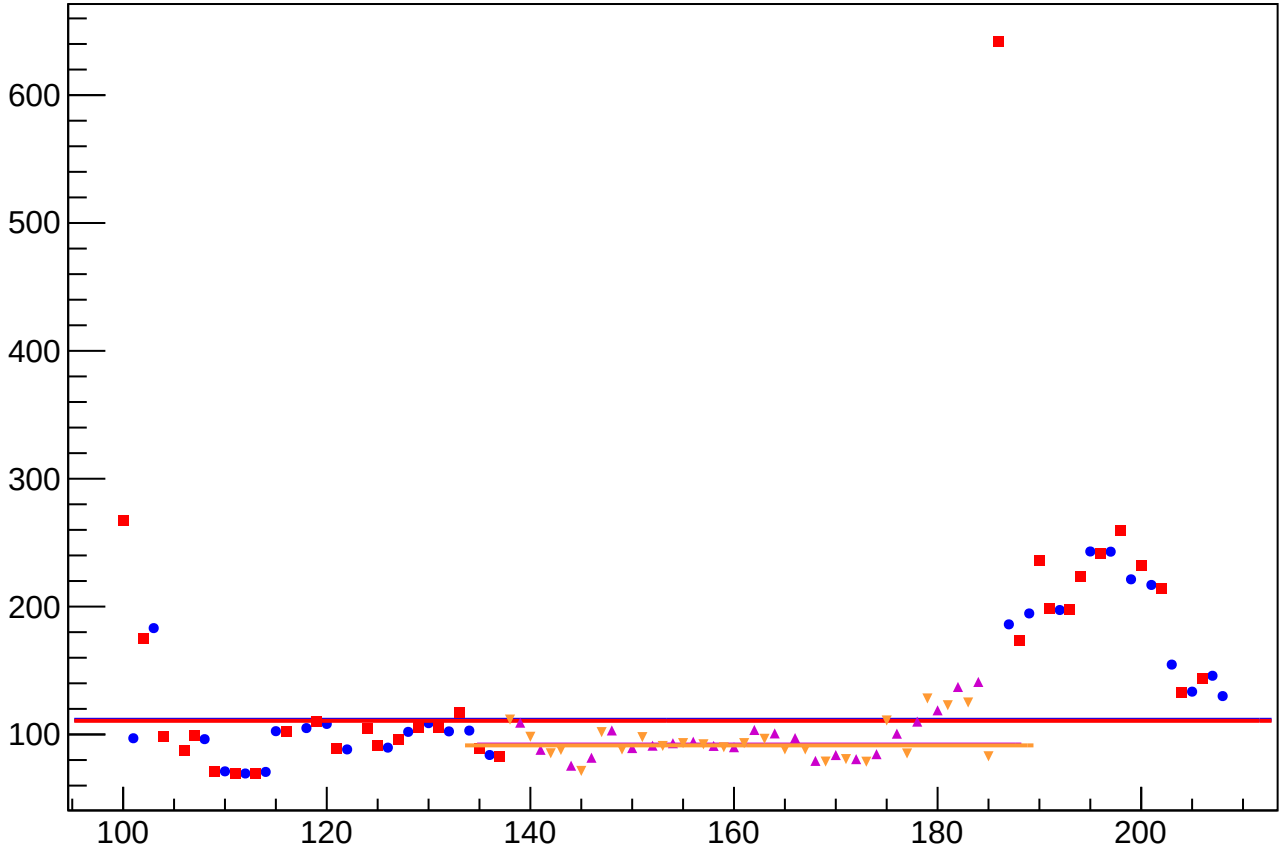
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 29.110+/-17.309 χ^2/NDF: 66.6/51

All: -9.869+/-12.377 χ^2/NDF: 155.5/105

- sign -50.646+/-17.704 χ^2/NDF: 78.6/53

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 111.471+/-0.021 χ^2/NDF: 3943823.9/26

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

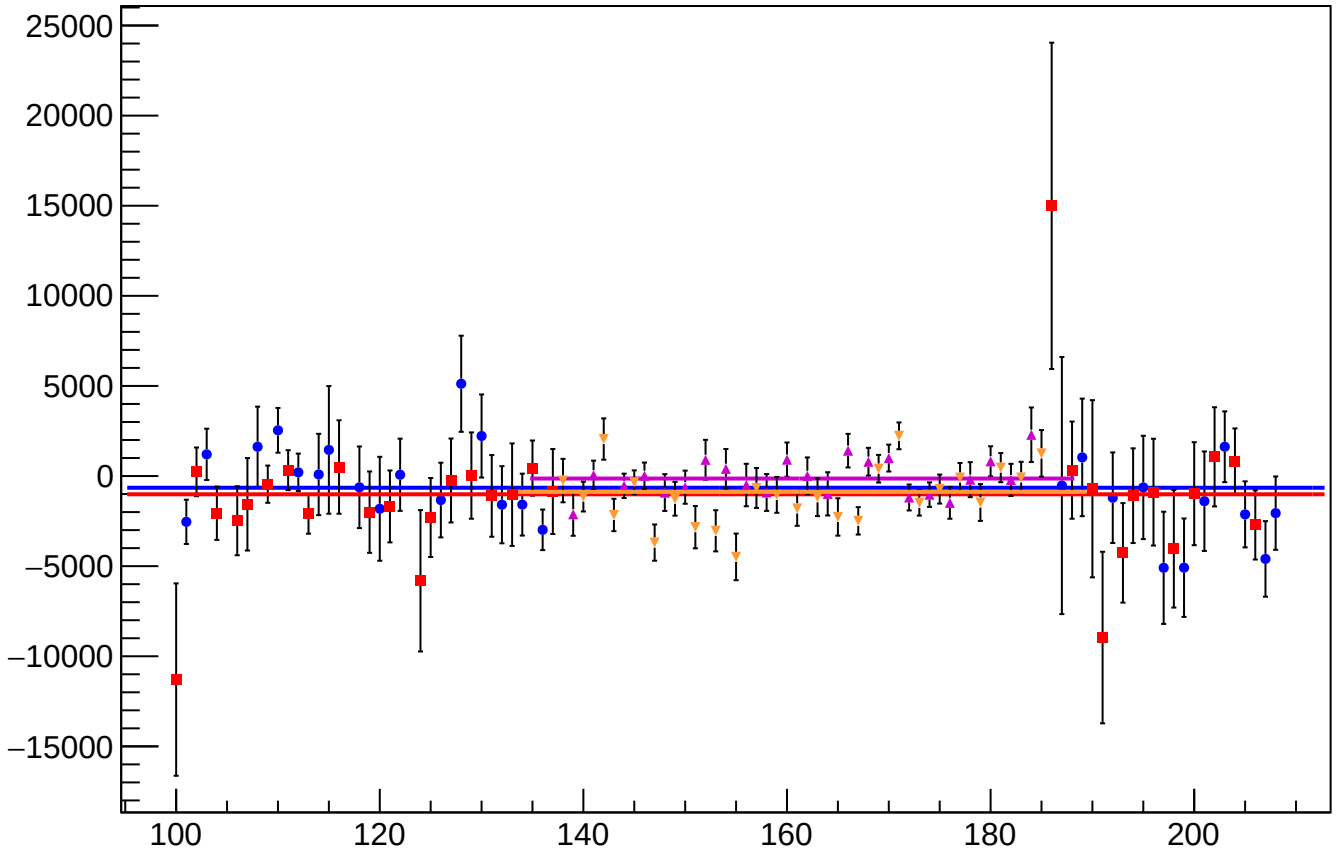
Right Out: 110.674+/-0.021 χ^2/NDF: 5389159.6/30

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 98.008+/-0.012 χ^2/NDF: 5283365.8/51

All: 98.232+/-0.009 χ^2/NDF: 11868631.8/105

- sign 98.465+/-0.013 χ^2/NDF: 6584584.3/53



Right In: -649.606+/-365.920 χ^2/NDF: 35.3/26

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

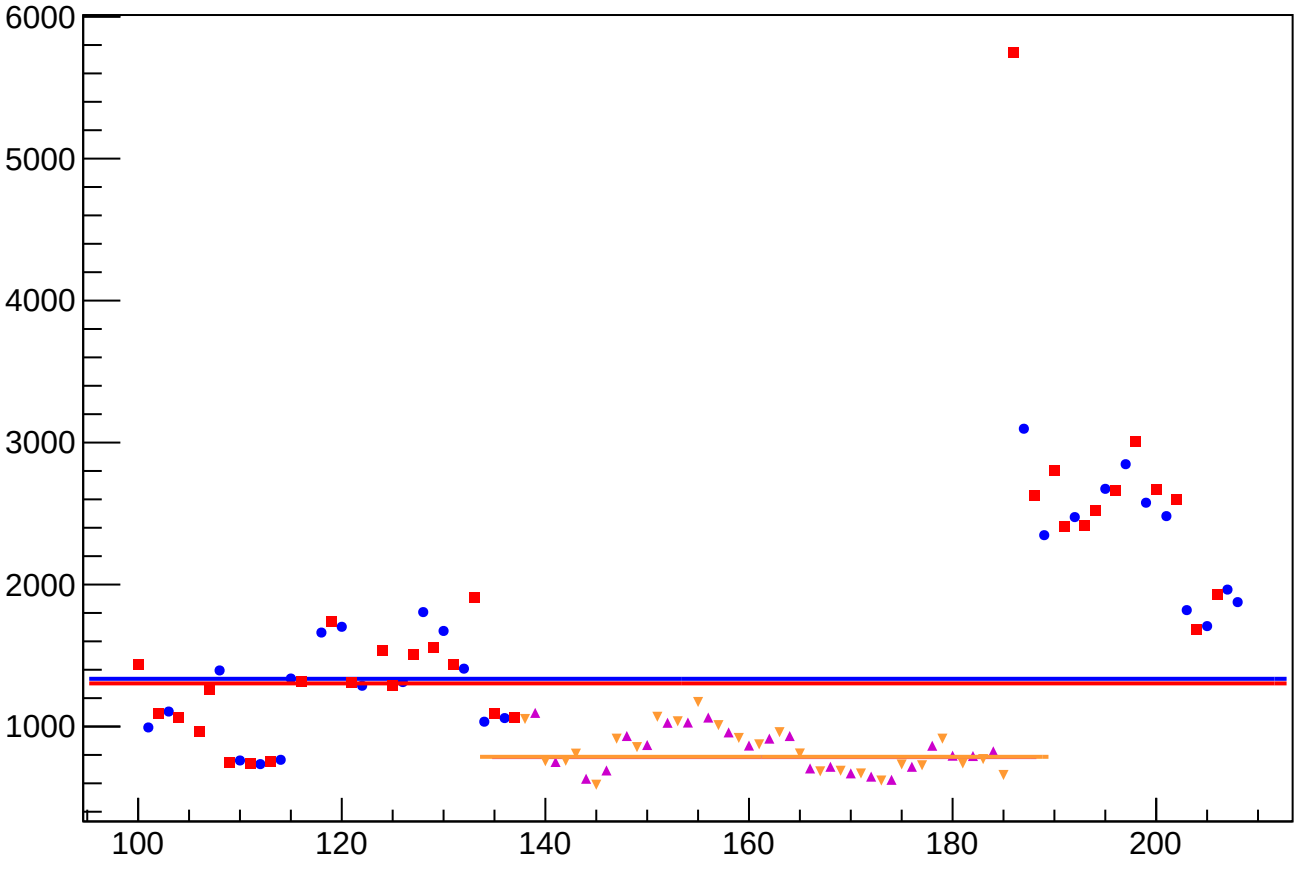
Right Out: -1011.959+/-359.276 χ^2/NDF: 22.9/30

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -832.993+/-163.091 χ^2/NDF: 103.4/51

All: -582.447+/-116.192 χ^2/NDF: 159.9/105

- sign -324.201+/-165.578 χ^2/NDF: 51.8/53



Right In: 1336.166+/-0.259 χ^2/NDF: 4711894.8/26

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1303.891+/-0.254 χ^2/NDF: 6209115.7/30

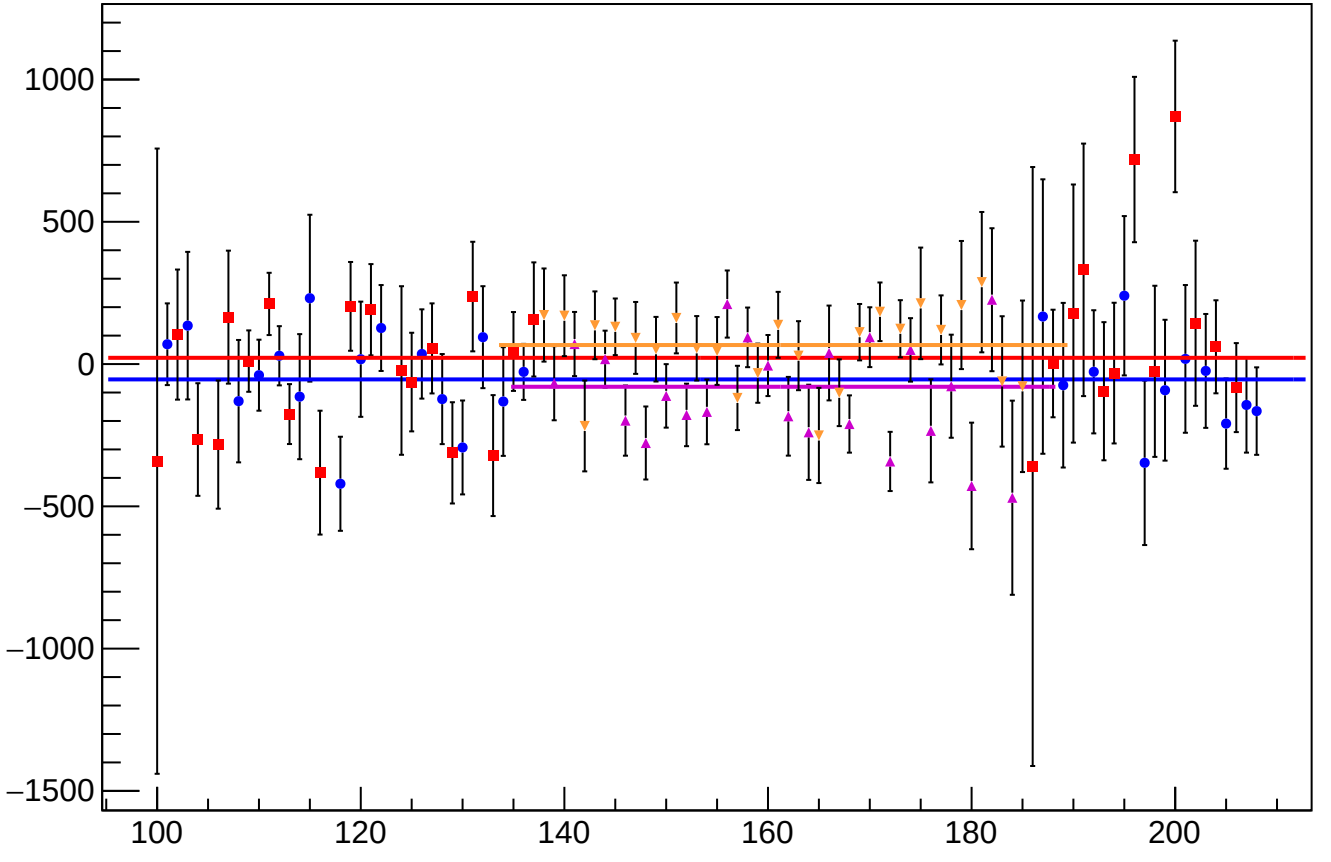
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 895.898+/-0.115 χ^2/NDF: 9535808.4/51

All: 895.495+/-0.082 χ^2/NDF: 20096536.6/10

- sign 895.080+/-0.117 χ^2/NDF: 10560703.4/53

dit_asym_sam_3748_avg_mean vs Slug



Right In: -53.886+/-33.446 χ^2/NDF: 17.3/26

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 21.983+/-33.598 χ^2/NDF: 42.8/30

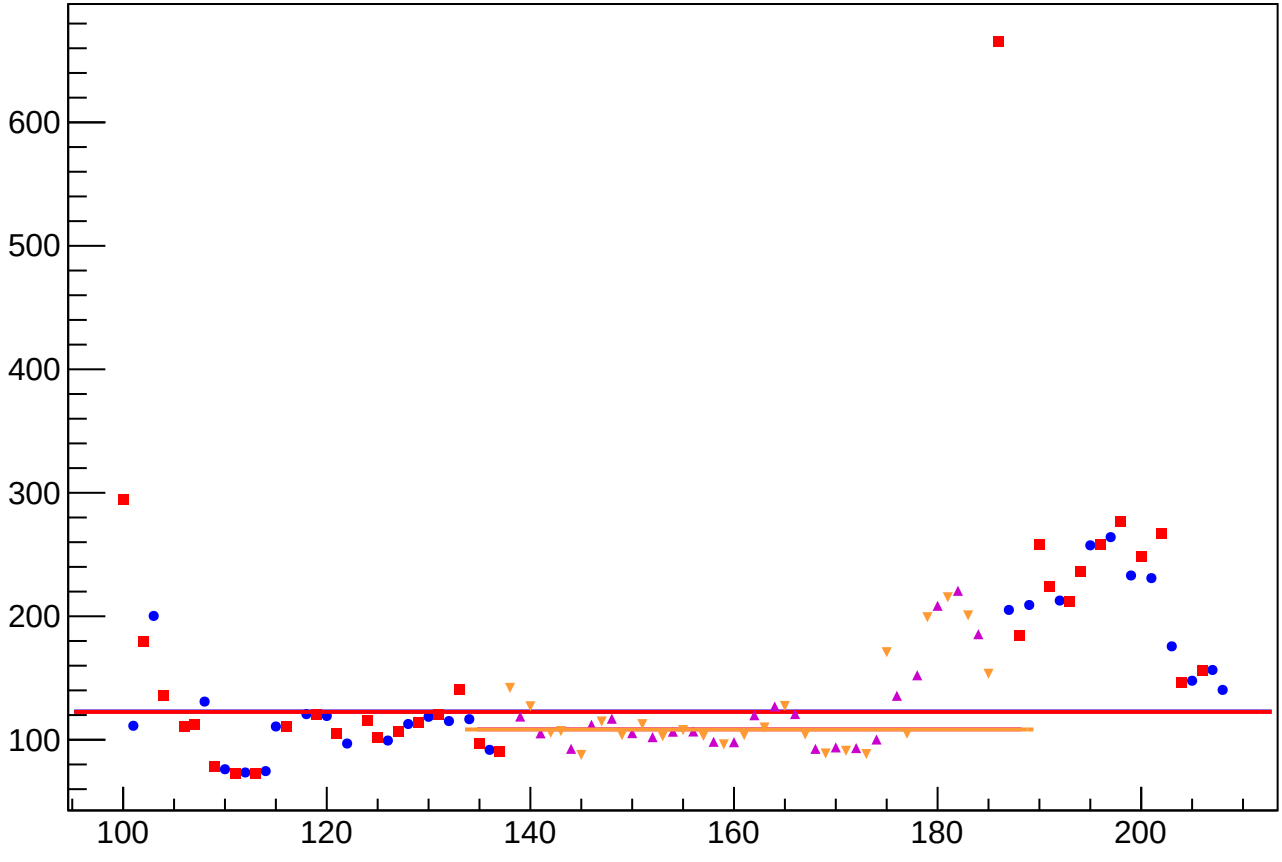
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 22.312+/-20.320 χ^2/NDF: 45.2/51

All: -8.799+/-14.504 χ^2/NDF: 135.4/105

- sign -41.109+/-20.709 χ^2/NDF: 85.4/53

dit_asym_sam_3748_avg_rms vs Slug



Right In: 122.869+/-0.024 χ^2/NDF: 3902551.1/26

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 122.584+/-0.024 χ^2/NDF: 5366557.0/30

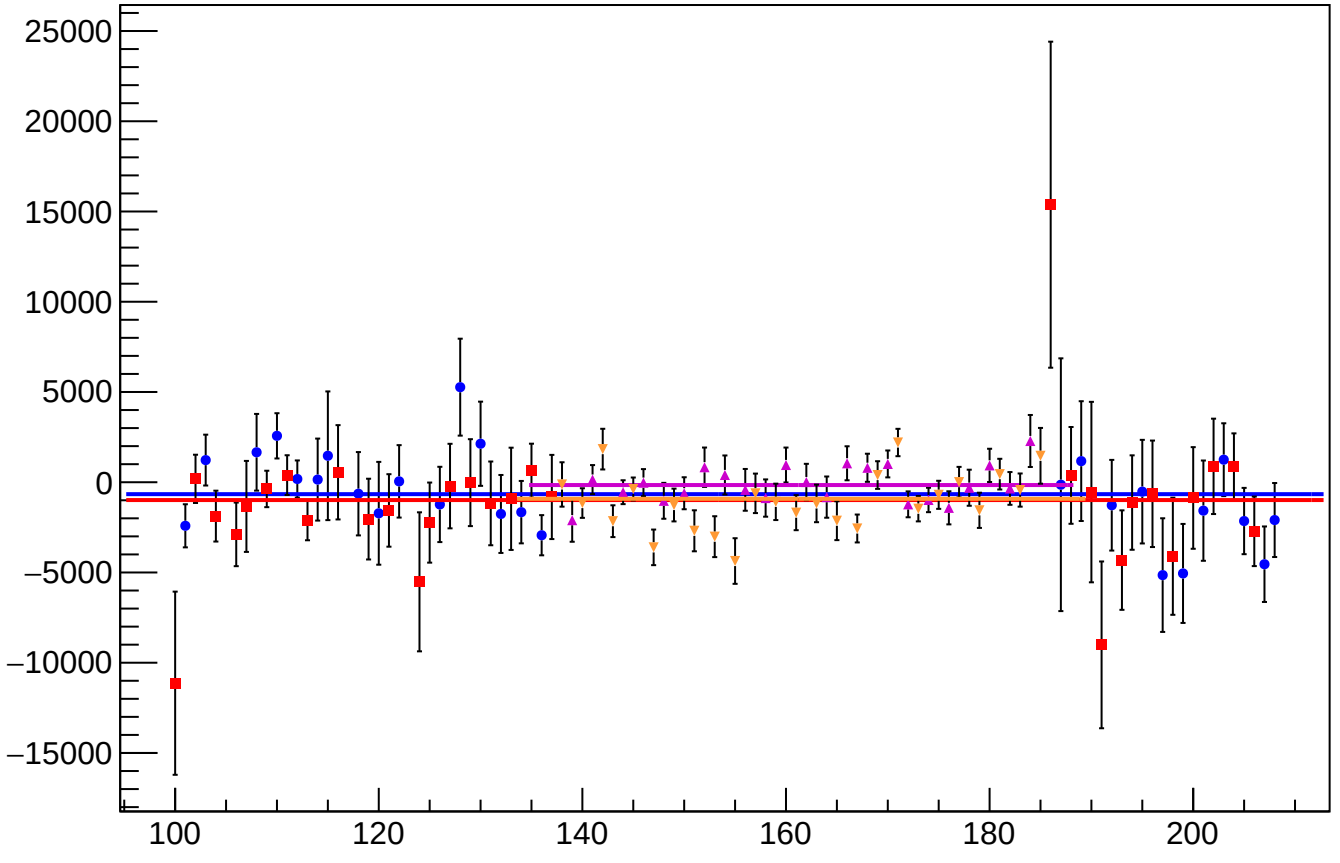
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 113.697+/-0.014 χ^2/NDF: 5915581.7/51

All: 113.770+/-0.010 χ^2/NDF: 12879743.9/10

- sign 113.846+/-0.015 χ^2/NDF: 6964109.5/53

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -660.794+/-364.855 χ^2/NDF: 34.9/26

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -987.596+/-355.159 χ^2/NDF: 24.4/30

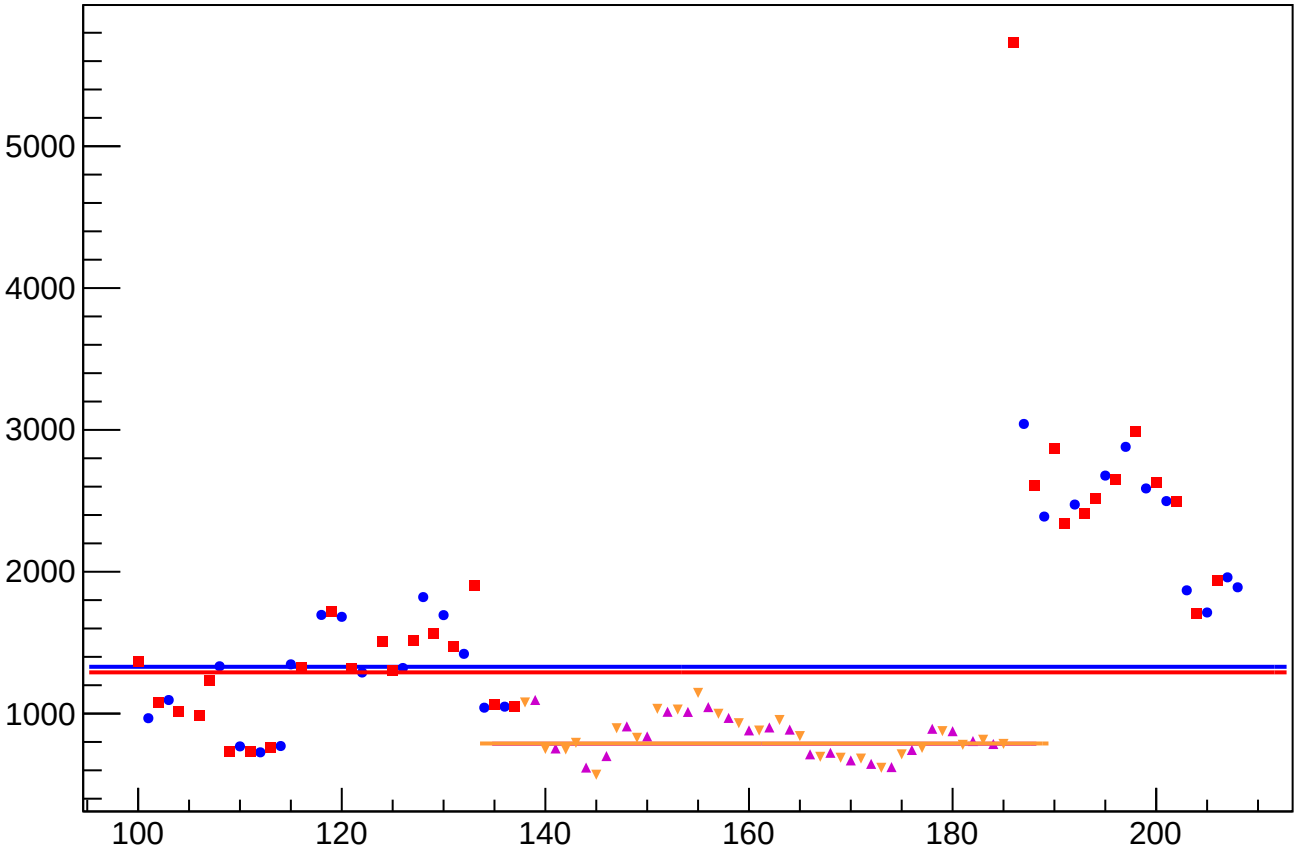
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -867.132+/-163.192 χ^2/NDF: 99.4/51

All: -605.653+/-116.217 χ^2/NDF: 156.4/105

- sign -336.578+/-165.546 χ^2/NDF: 51.8/53

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1329.910+/-0.258 χ^2/NDF: 4832758.7/26

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1290.642+/-0.251 χ^2/NDF: 6270336.1/30

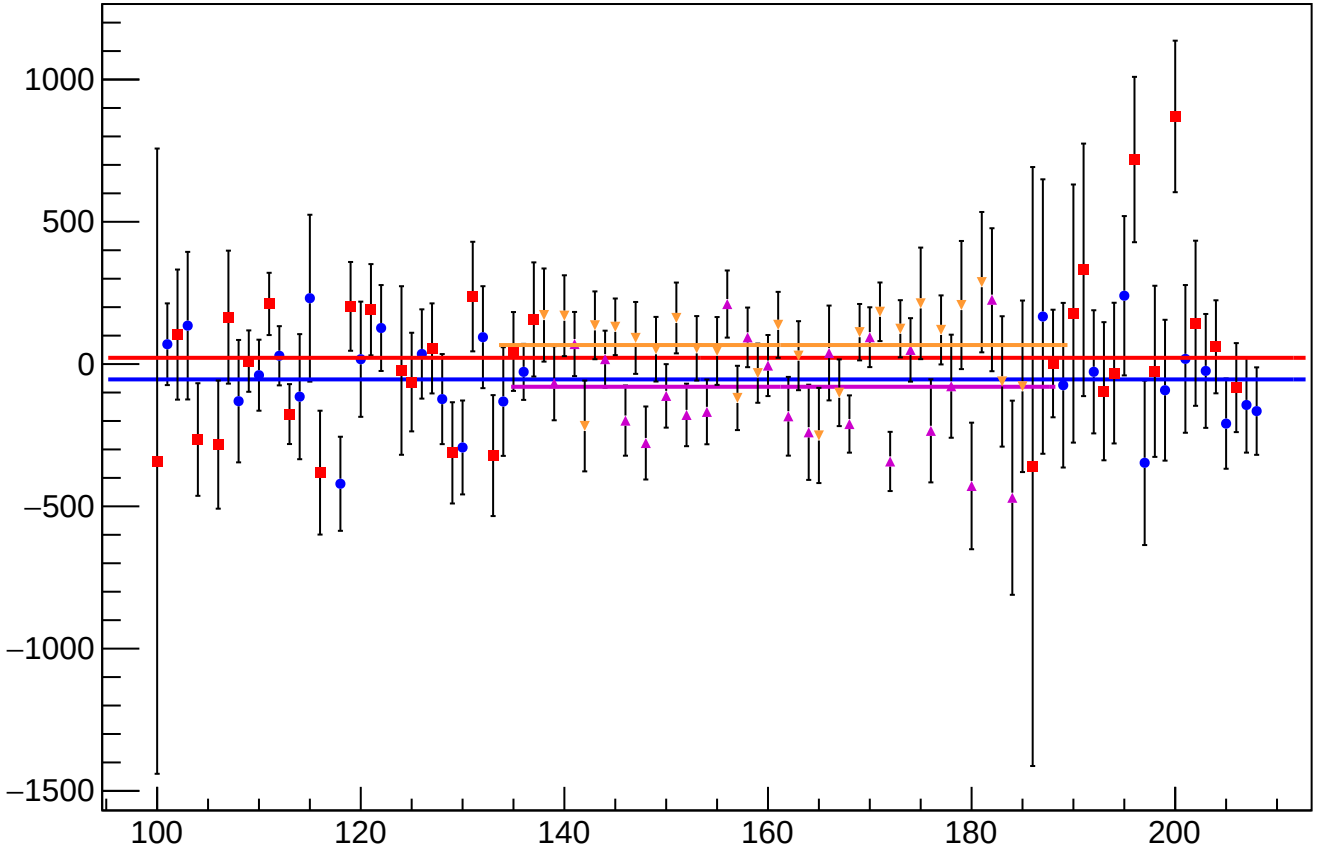
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 897.414+/-0.115 χ^2/NDF: 9522715.4/51

All: 897.076+/-0.082 χ^2/NDF: 19977651.8/10

- sign 896.729+/-0.117 χ^2/NDF: 10454919.0/53

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -53.885+/-33.446 χ^2/NDF: 17.3/26

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 21.984+/-33.598 χ^2/NDF: 42.8/30

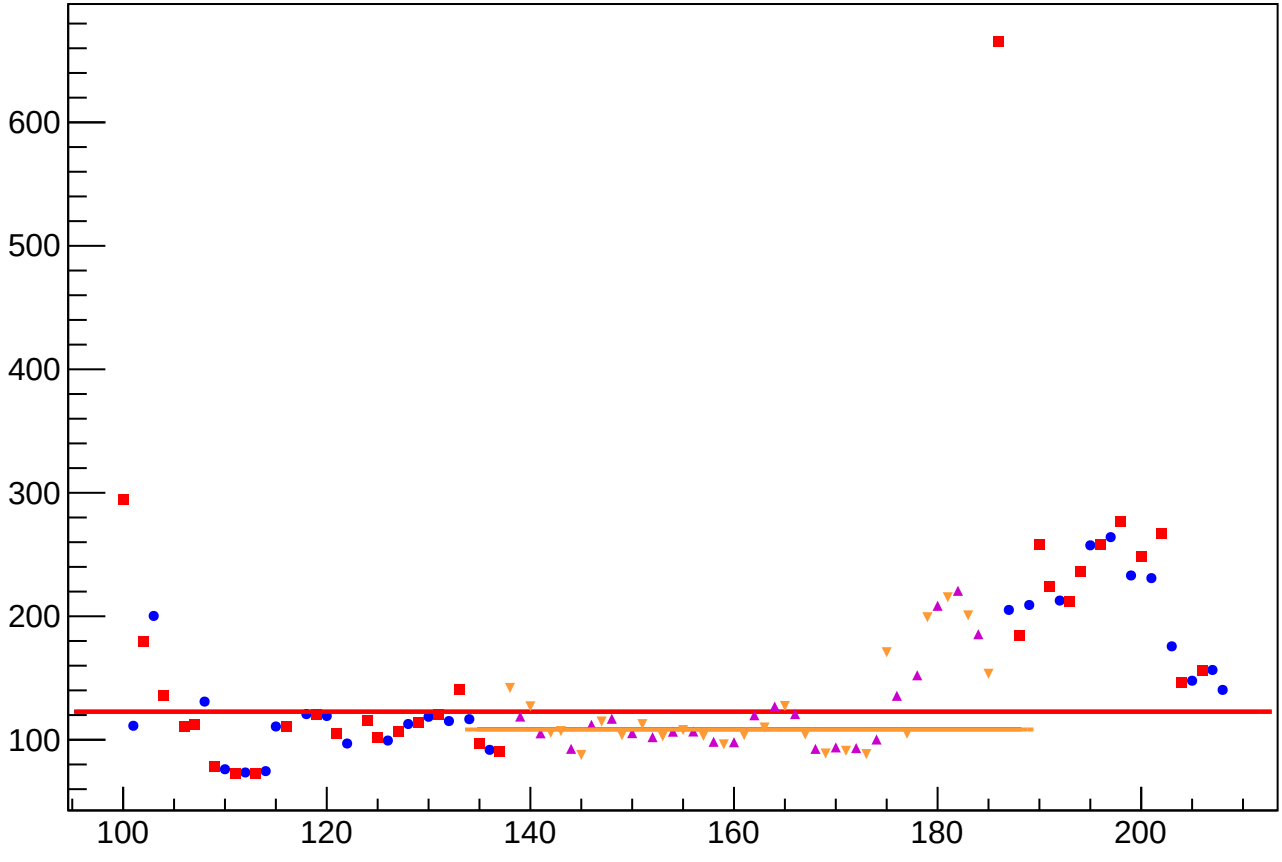
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 22.313+/-20.321 χ^2/NDF: 45.2/51

All: -8.798+/-14.504 χ^2/NDF: 135.4/105

- sign -41.108+/-20.709 χ^2/NDF: 85.4/53

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 122.869+/-0.024 χ^2/NDF: 3902539.0/26

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

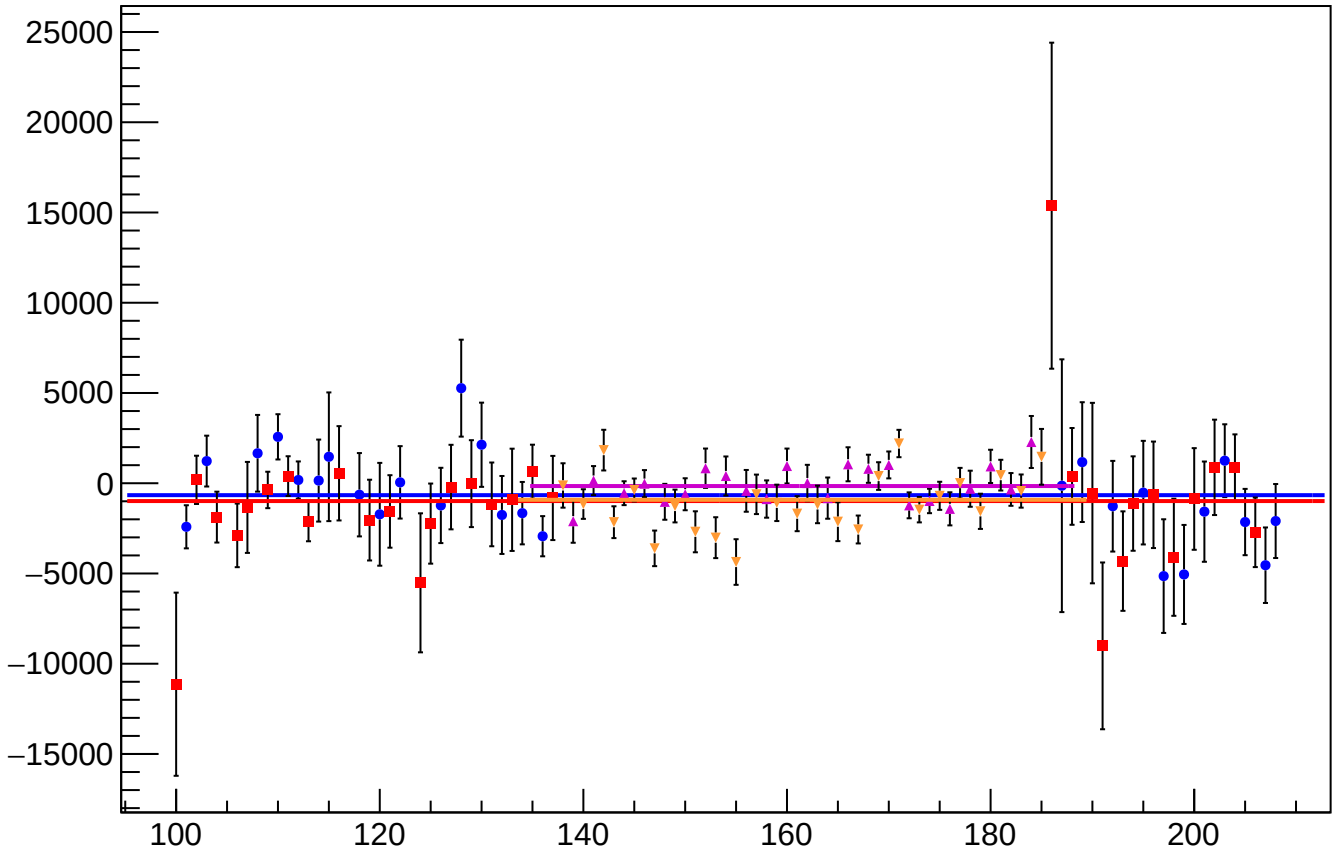
Right Out: 122.584+/-0.024 χ^2/NDF: 5366560.8/30

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 113.697+/-0.014 χ^2/NDF: 5915558.1/51

All: 113.770+/-0.010 χ^2/NDF: 12879700.0/10

- sign 113.846+/-0.015 χ^2/NDF: 6964089.2/53



Right In: -660.792+/-364.854 χ^2/NDF: 34.9/26

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

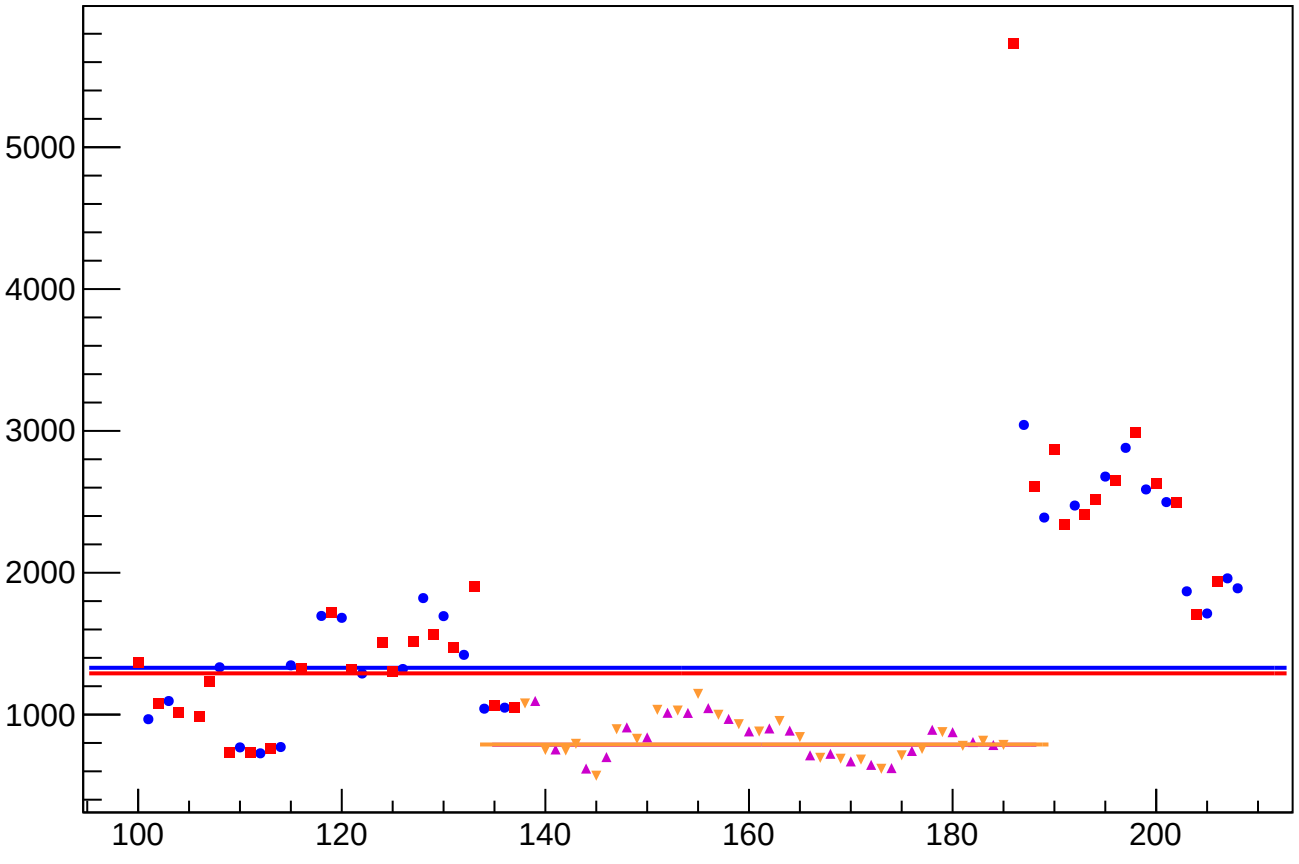
Right Out: -987.595+/-355.158 χ^2/NDF: 24.4/30

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -867.130+/-163.192 χ^2/NDF: 99.4/51

All: -605.651+/-116.217 χ^2/NDF: 156.4/105

- sign -336.577+/-165.545 χ^2/NDF: 51.8/53



Right In: 1329.908+/-0.258 χ^2/NDF: 4832769.8/26

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1290.640+/-0.251 χ^2/NDF: 6270340.8/30

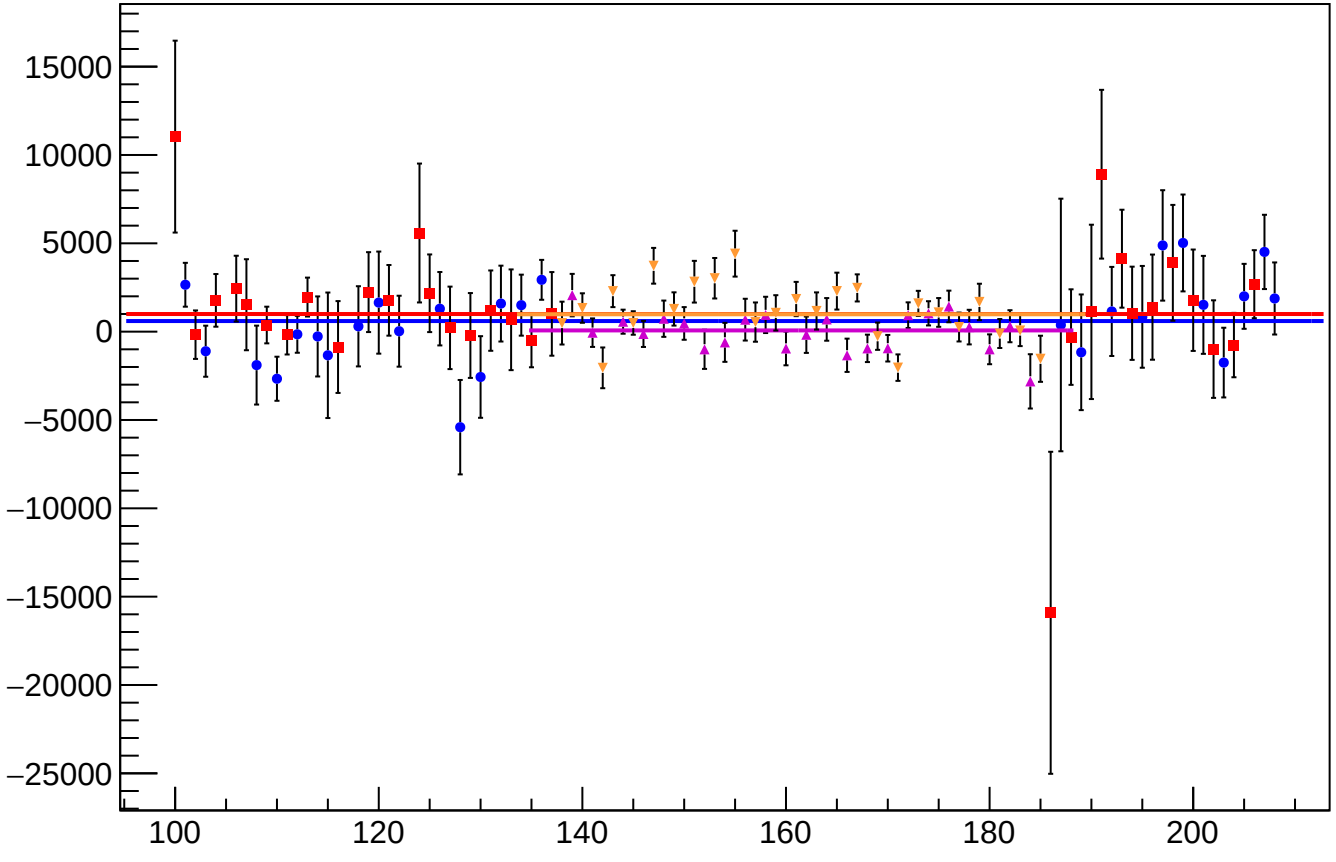
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 897.412+/-0.115 χ^2/NDF: 9522729.3/51

All: 897.075+/-0.082 χ^2/NDF: 19977672.3/10

- sign 896.727+/-0.117 χ^2/NDF: 10454925.6/53

asym_sam_3748_avg_mean vs Slug



Right In: 599.953+/-367.719 χ^2/NDF: 36.0/26

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 998.012+/-360.580 χ^2/NDF: 22.0/30

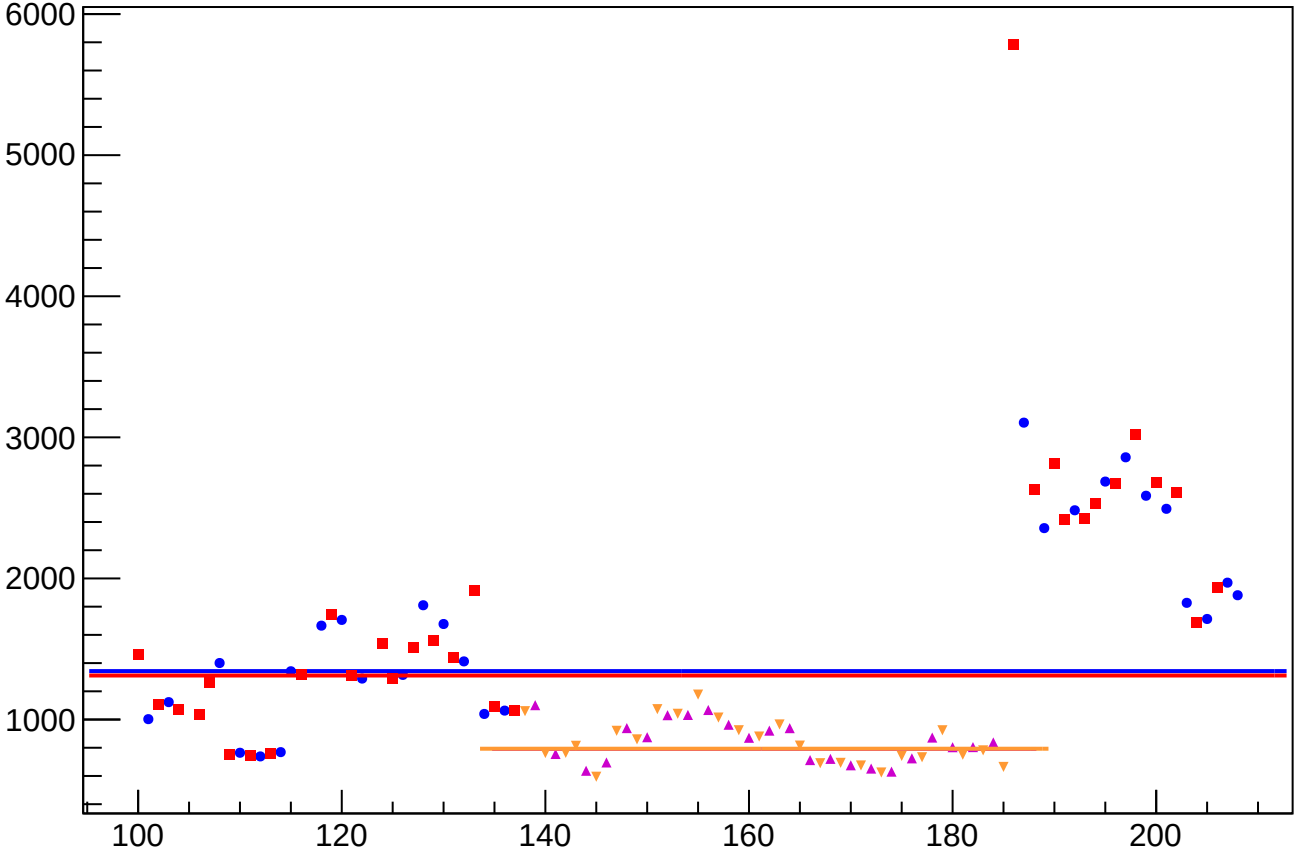
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 908.689+/-164.264 χ^2/NDF: 100.6/51

All: 593.349+/-117.013 χ^2/NDF: 159.7/105

- sign 268.480+/-166.727 χ^2/NDF: 51.6/53

asym_sam_3748_avg_rms vs Slug



Right In: 1343.289+/-0.260 χ^2/NDF: 4690625.9/26

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

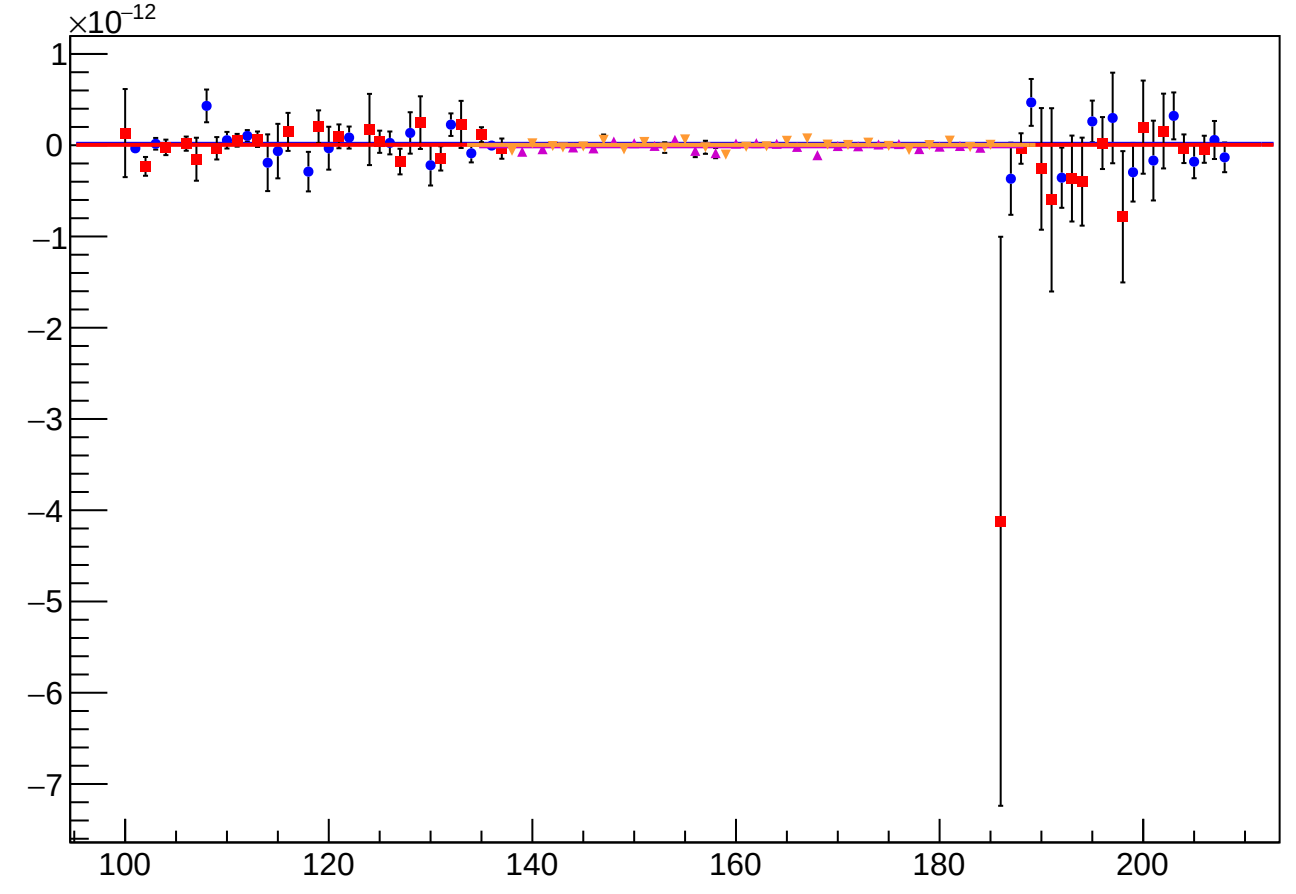
Right Out: 1312.055+/-0.255 χ^2/NDF: 6174591.9/30

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 902.851+/-0.116 χ^2/NDF: 9469128.1/51

All: 902.690+/-0.083 χ^2/NDF: 19974287.3/10

- sign 902.524+/-0.118 χ^2/NDF: 10505155.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 28.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

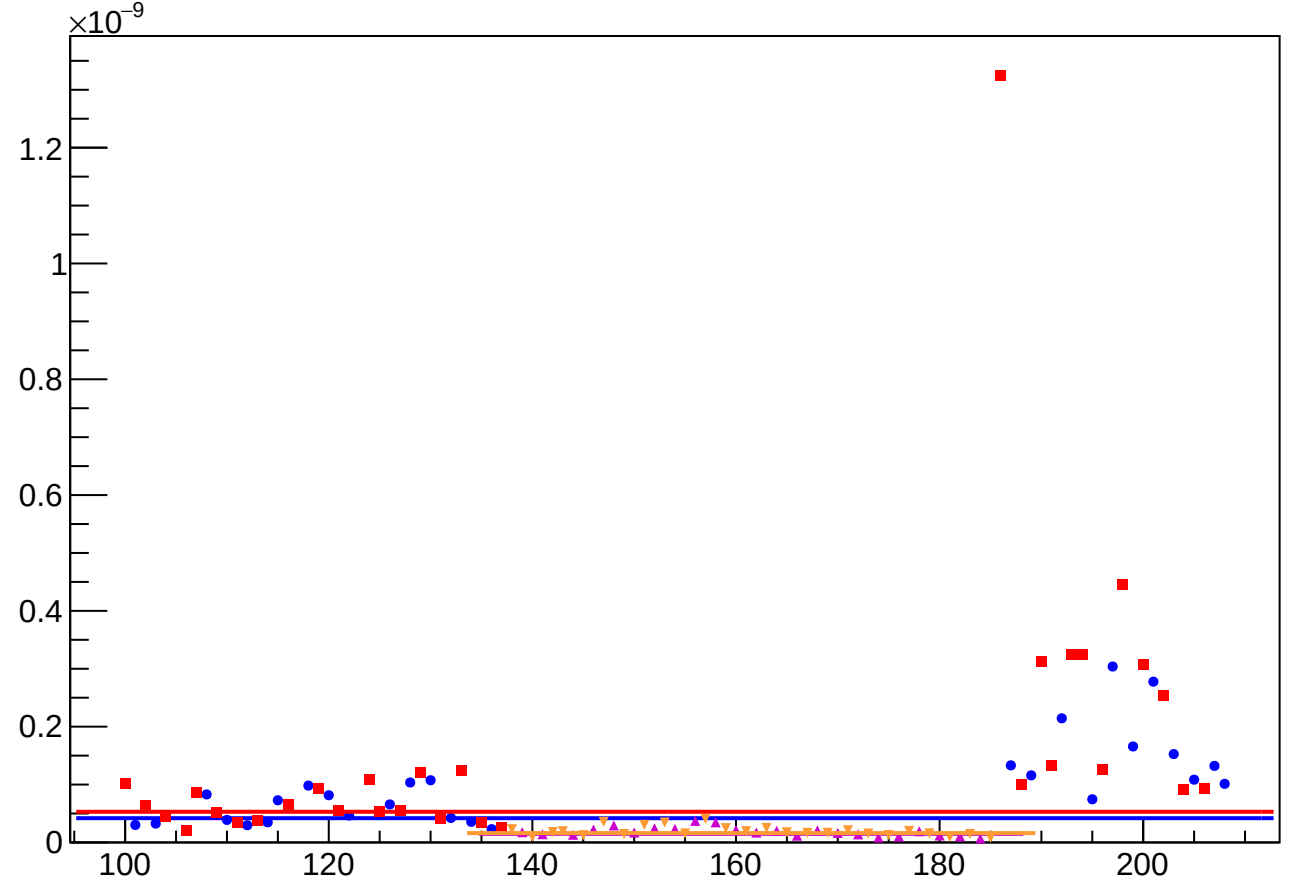
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/30

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.5/51

All: -0.000+/-0.000 χ^2/NDF: 112.7/105

- sign -0.000+/-0.000 χ^2/NDF: 46.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 4994362.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5370494.6/30

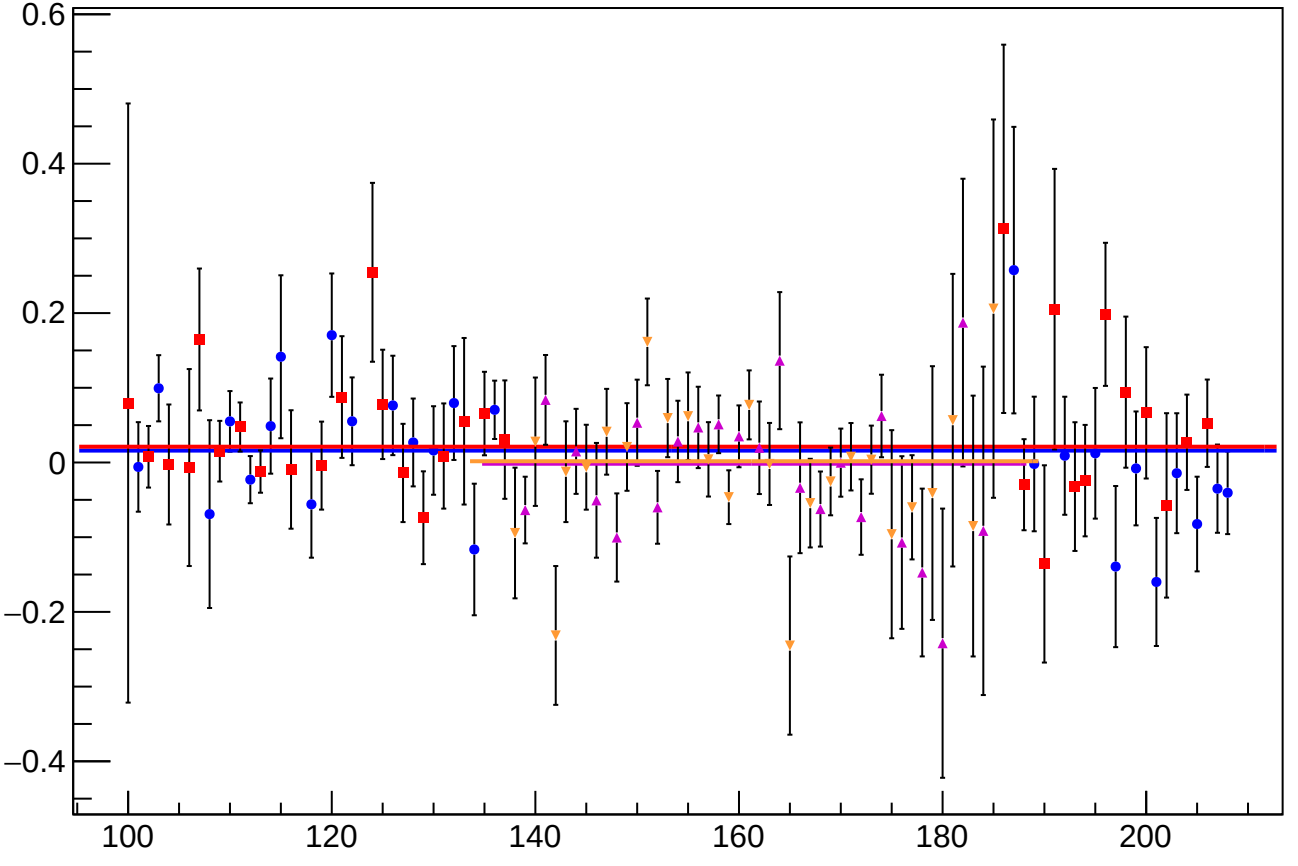
Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9469313.2/51

All: 0.000+/-0.000 χ^2/NDF: 20762683.0/105

- sign 0.000+/-0.000 χ^2/NDF: 11249181.6/53

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.016+/-0.012 χ^2/NDF: 31.3/26

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.021+/-0.012 χ^2/NDF: 23.5/30

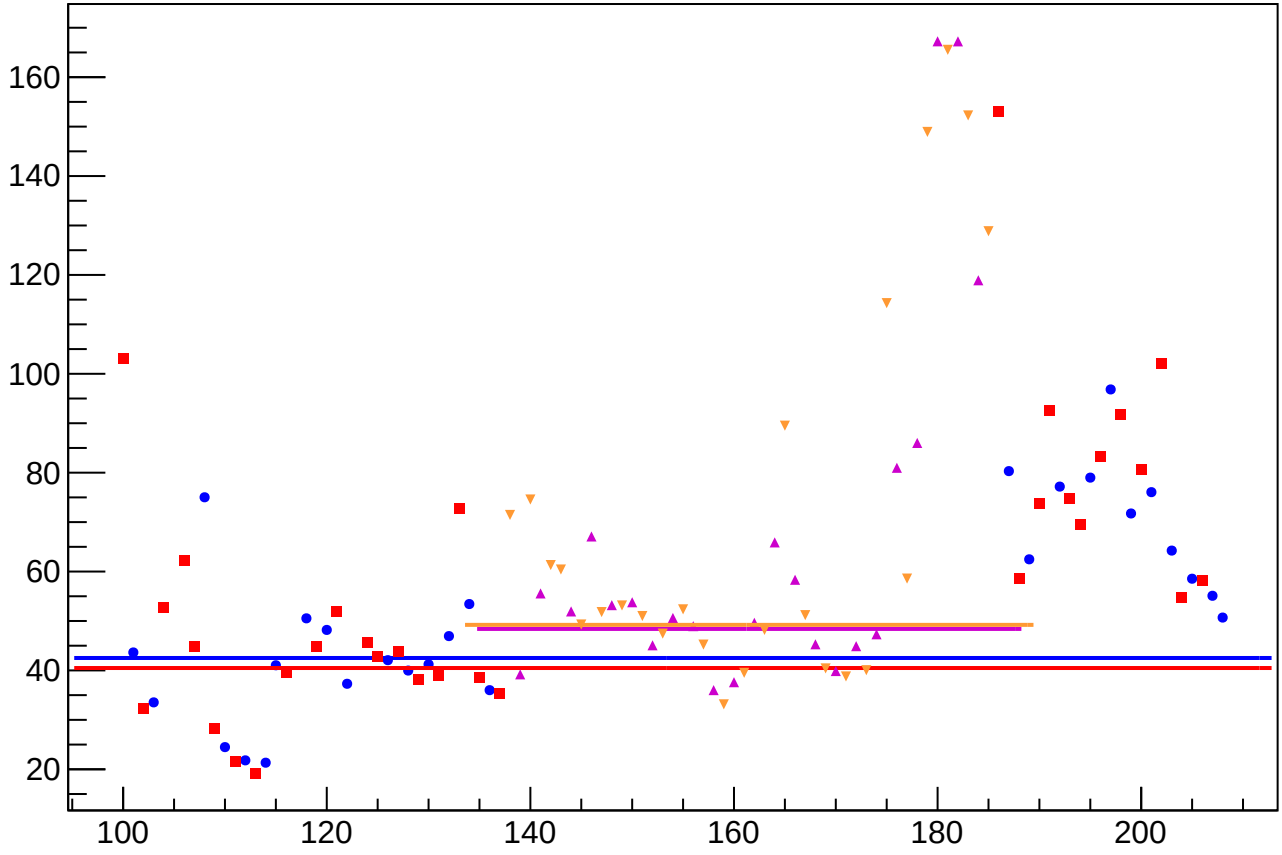
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.009+/-0.009 χ^2/NDF: 62.4/51

All: 0.010+/-0.006 χ^2/NDF: 113.8/105

- sign 0.010+/-0.008 χ^2/NDF: 51.4/53

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.516+/-0.008 χ^2/NDF: 4267708.8/26

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

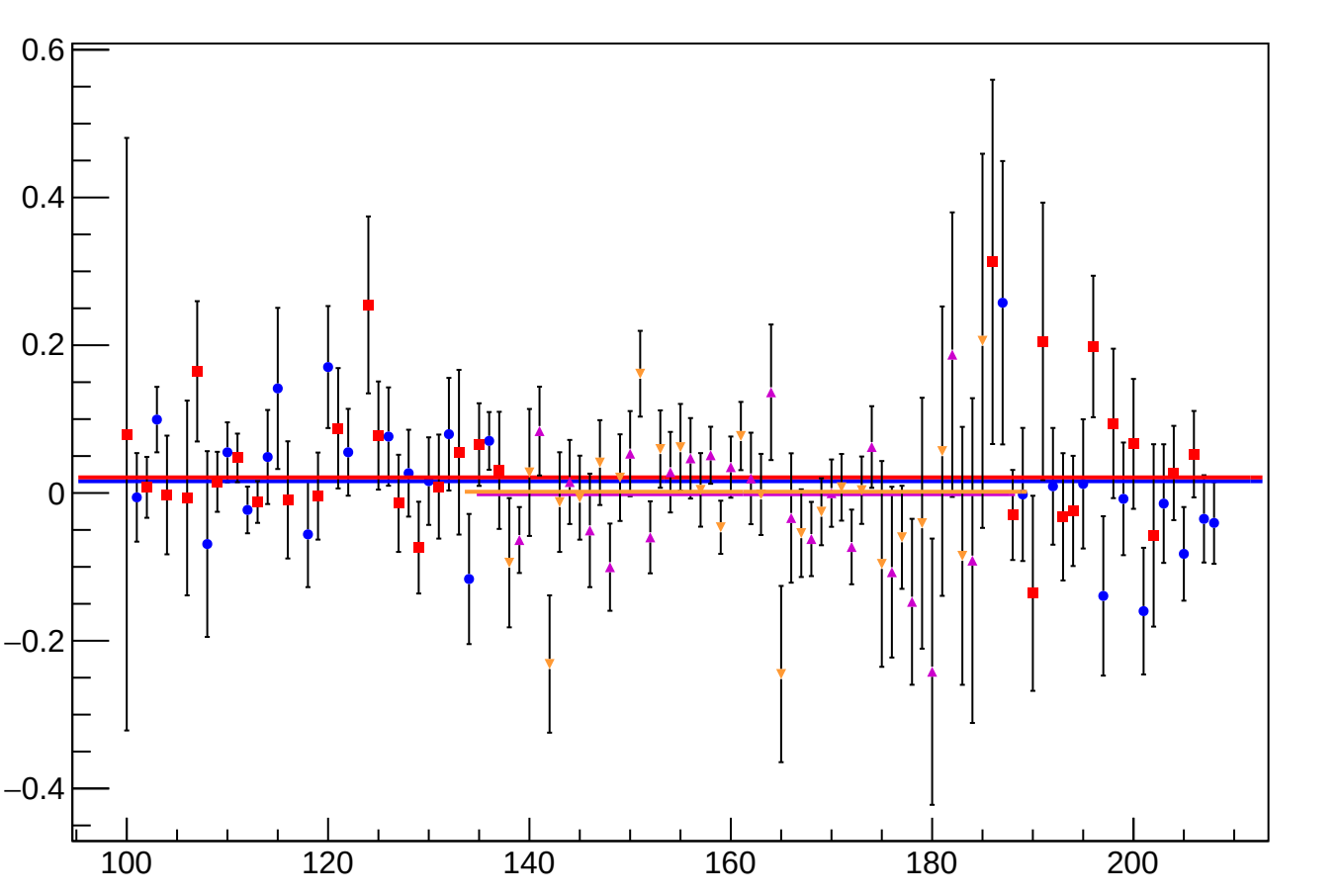
Right Out: 40.486+/-0.008 χ^2/NDF: 6066873.2/30

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 45.763+/-0.006 χ^2/NDF: 8745396.9/51

All: 44.965+/-0.004 χ^2/NDF: 18314555.3/105

- sign 44.185+/-0.006 χ^2/NDF: 9534813.3/53



Right In: 0.016+/-0.012 χ^2/NDF: 31.3/26

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

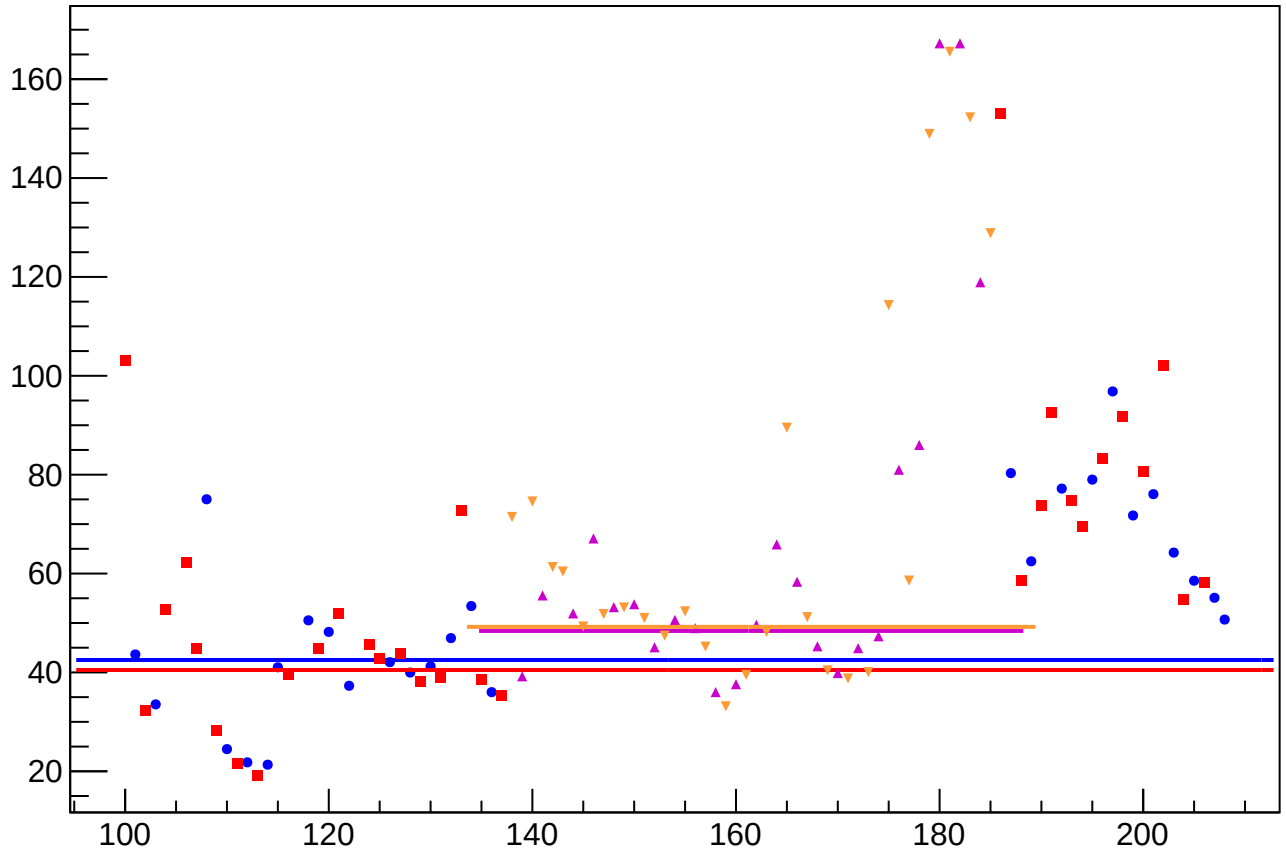
Right Out: 0.021+/-0.012 χ^2/NDF: 23.5/30

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.009+/-0.009 χ^2/NDF: 62.4/51

All: 0.010+/-0.006 χ^2/NDF: 113.8/105

- sign 0.010+/-0.008 χ^2/NDF: 51.4/53



Right In: 42.516+/-0.008 χ^2/NDF: 4267708.8/26

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

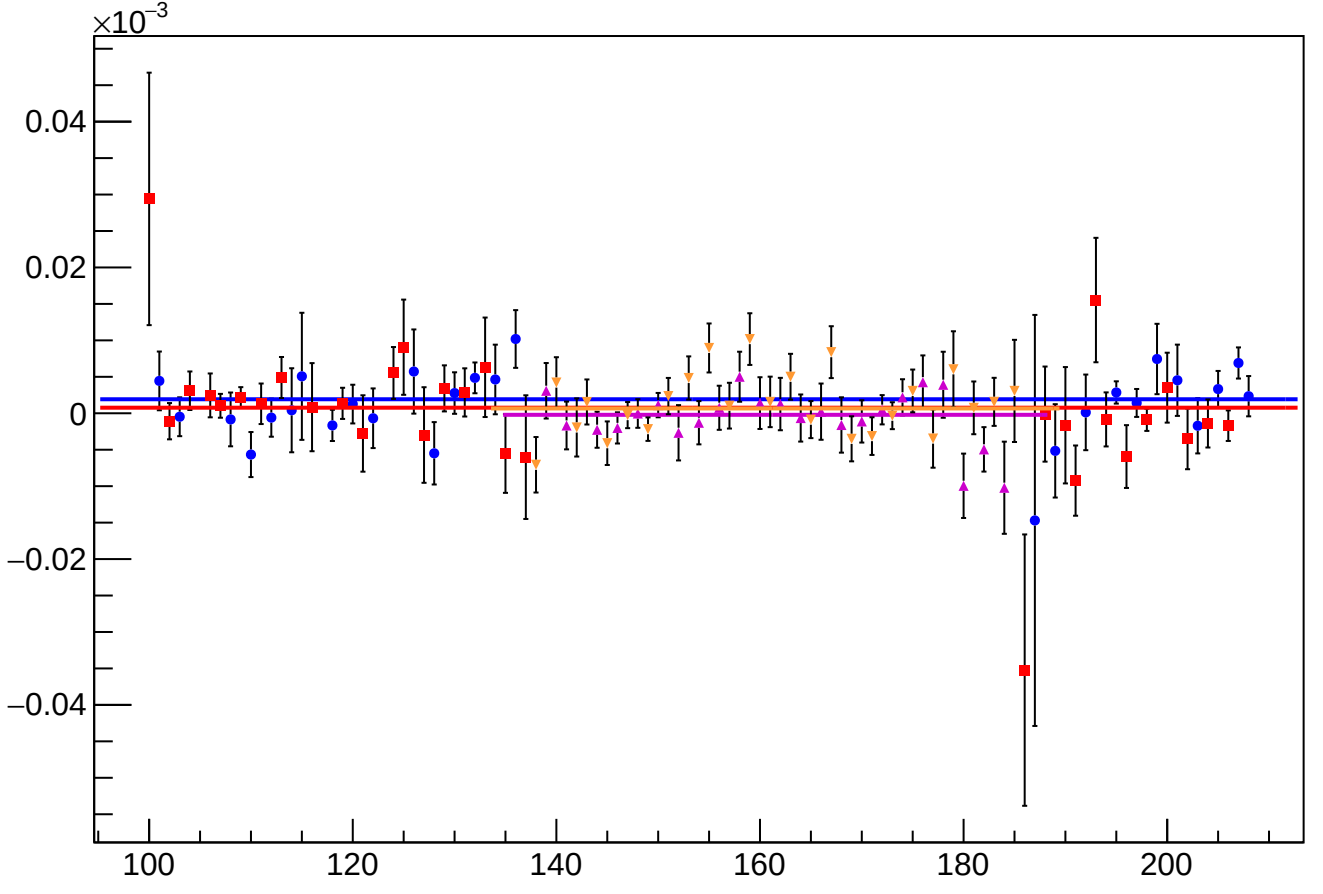
Right Out: 40.486+/-0.008 χ^2/NDF: 6066873.2/30

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 45.763+/-0.006 χ^2/NDF: 8745396.9/51

All: 44.965+/-0.004 χ^2/NDF: 18314555.3/105

- sign 44.185+/-0.006 χ^2/NDF: 9534813.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 32.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

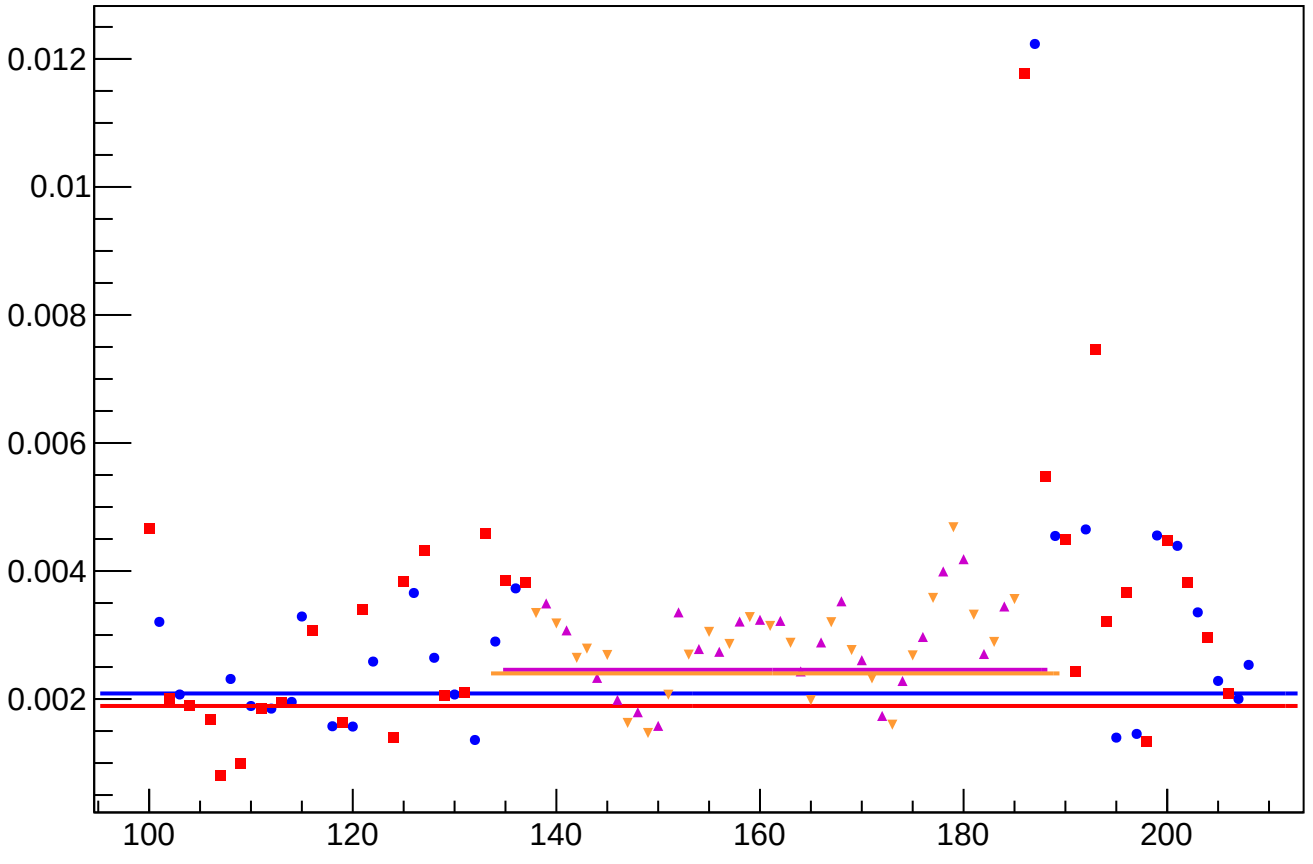
Right Out: 0.000+/-0.000 χ^2/NDF: 33.8/30

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.8/51

All: 0.000+/-0.000 χ^2/NDF: 134.6/105

- sign 0.000+/-0.000 χ^2/NDF: 55.0/53



Right In: 0.002+/-0.000 χ^2/NDF: 4192902.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

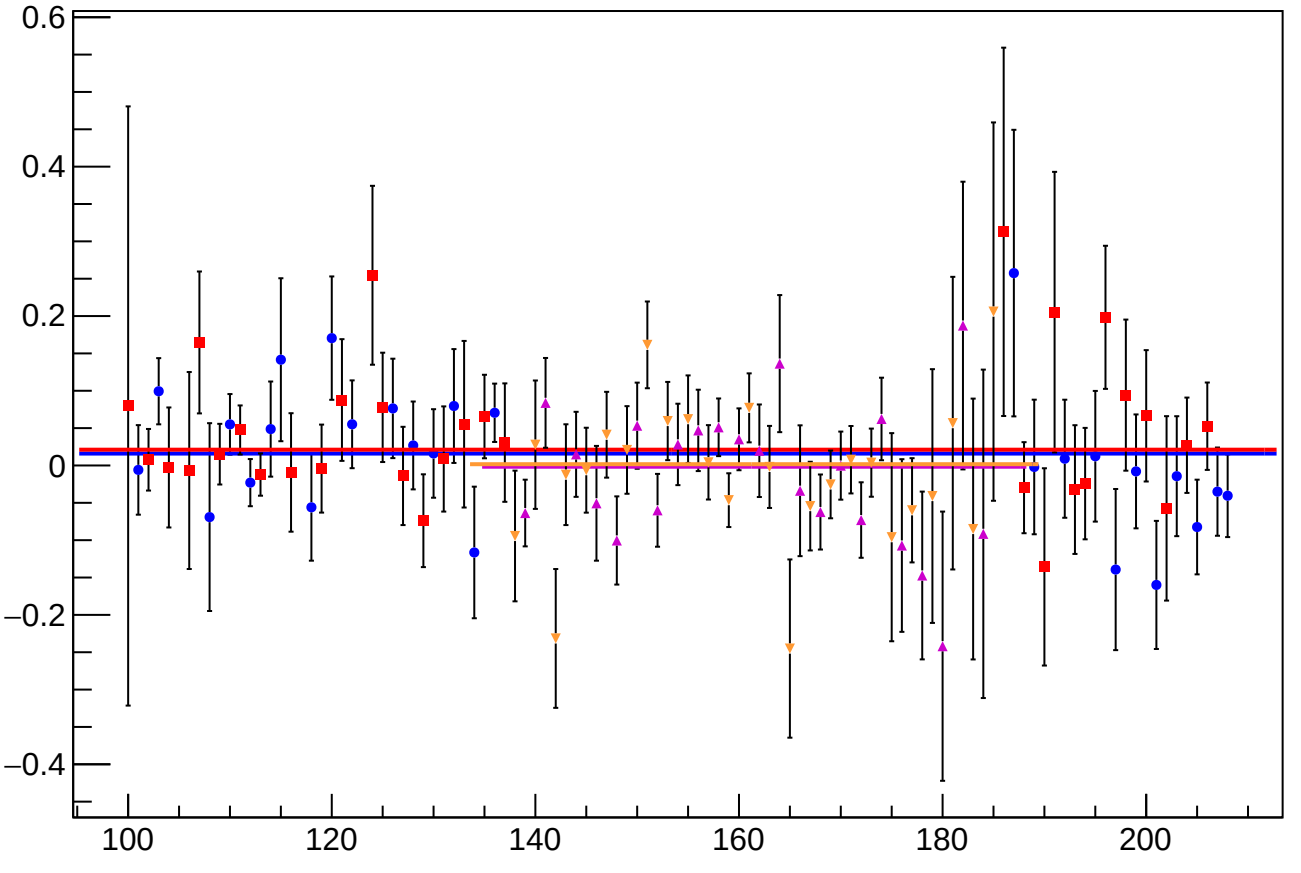
Right Out: 0.002+/-0.000 χ^2/NDF: 7579403.8/30

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 7611240.8/51

All: 0.002+/-0.000 χ^2/NDF: 18838318.3/105

- sign 0.002+/-0.000 χ^2/NDF: 11170588.4/53



Right In: 0.016+/-0.012 χ^2/NDF: 31.3/26

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

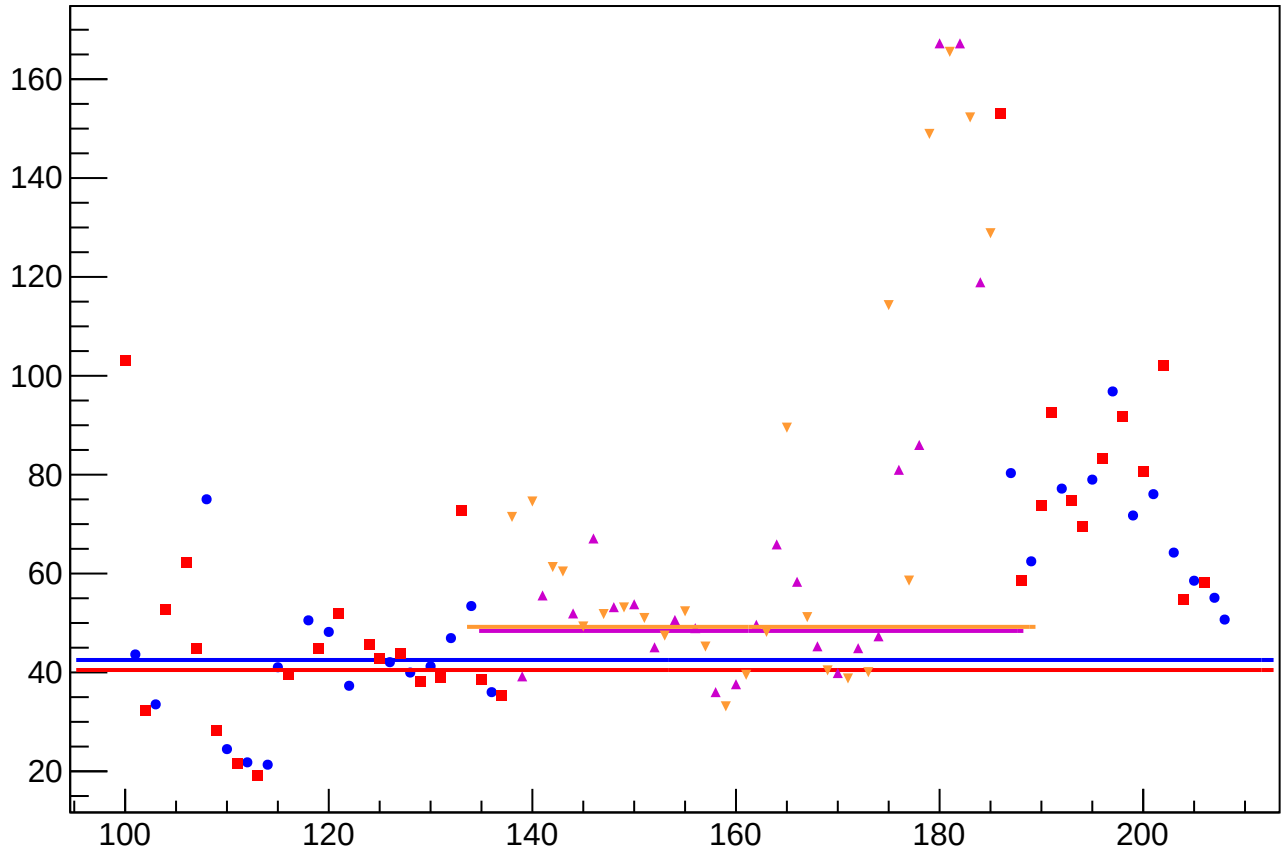
Right Out: 0.021+/-0.012 χ^2/NDF: 23.5/30

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.009+/-0.009 χ^2/NDF: 62.4/51

All: 0.010+/-0.006 χ^2/NDF: 113.8/105

- sign 0.010+/-0.008 χ^2/NDF: 51.4/53



Right In: 42.517+/-0.008 χ^2/NDF: 4267587.0/26

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

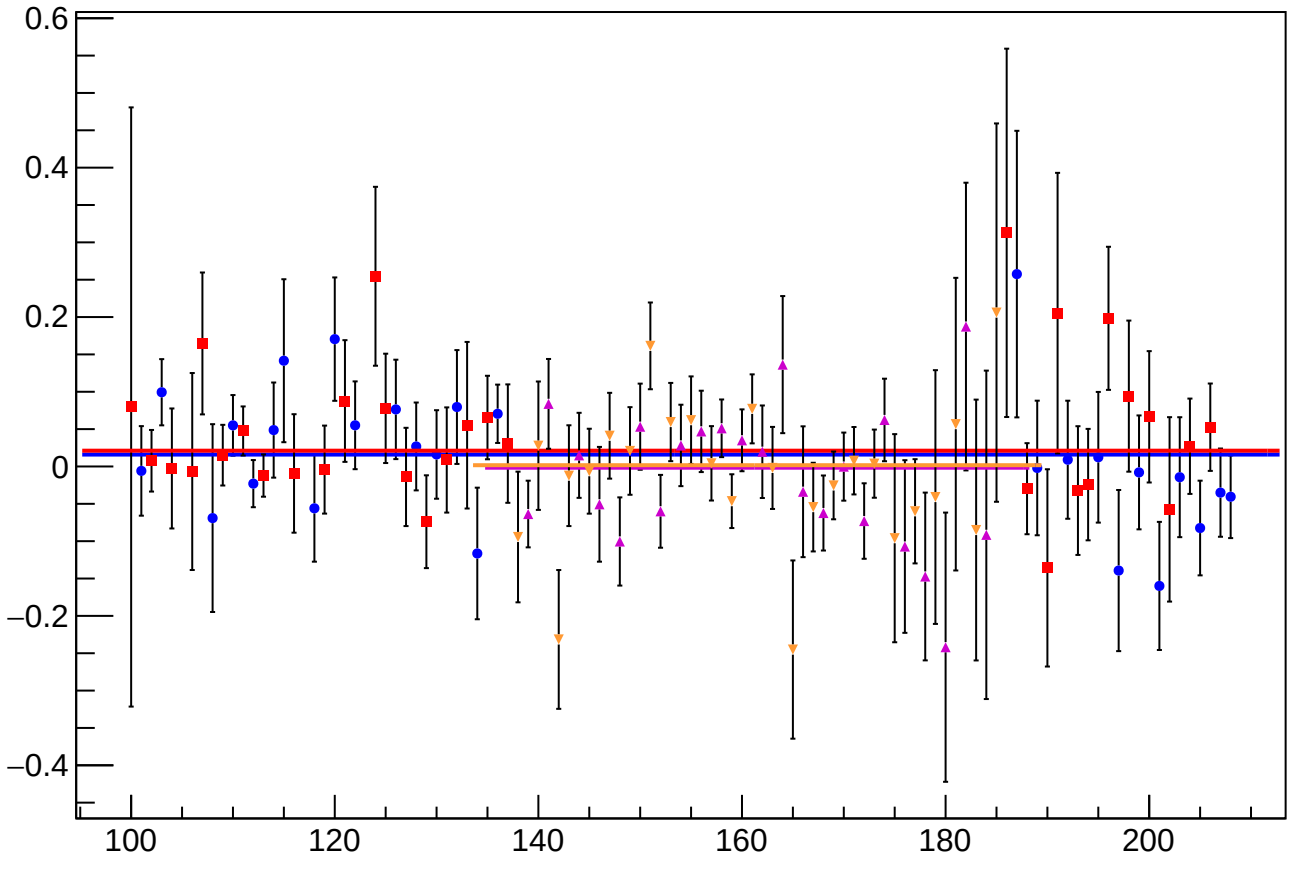
Right Out: 40.487+/-0.008 χ^2/NDF: 6066814.2/30

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 45.763+/-0.006 χ^2/NDF: 8745260.7/51

All: 44.965+/-0.004 χ^2/NDF: 18314325.3/105

- sign 44.186+/-0.006 χ^2/NDF: 9534722.5/53



Right In: 0.016+/-0.012 χ^2/NDF: 31.3/26

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

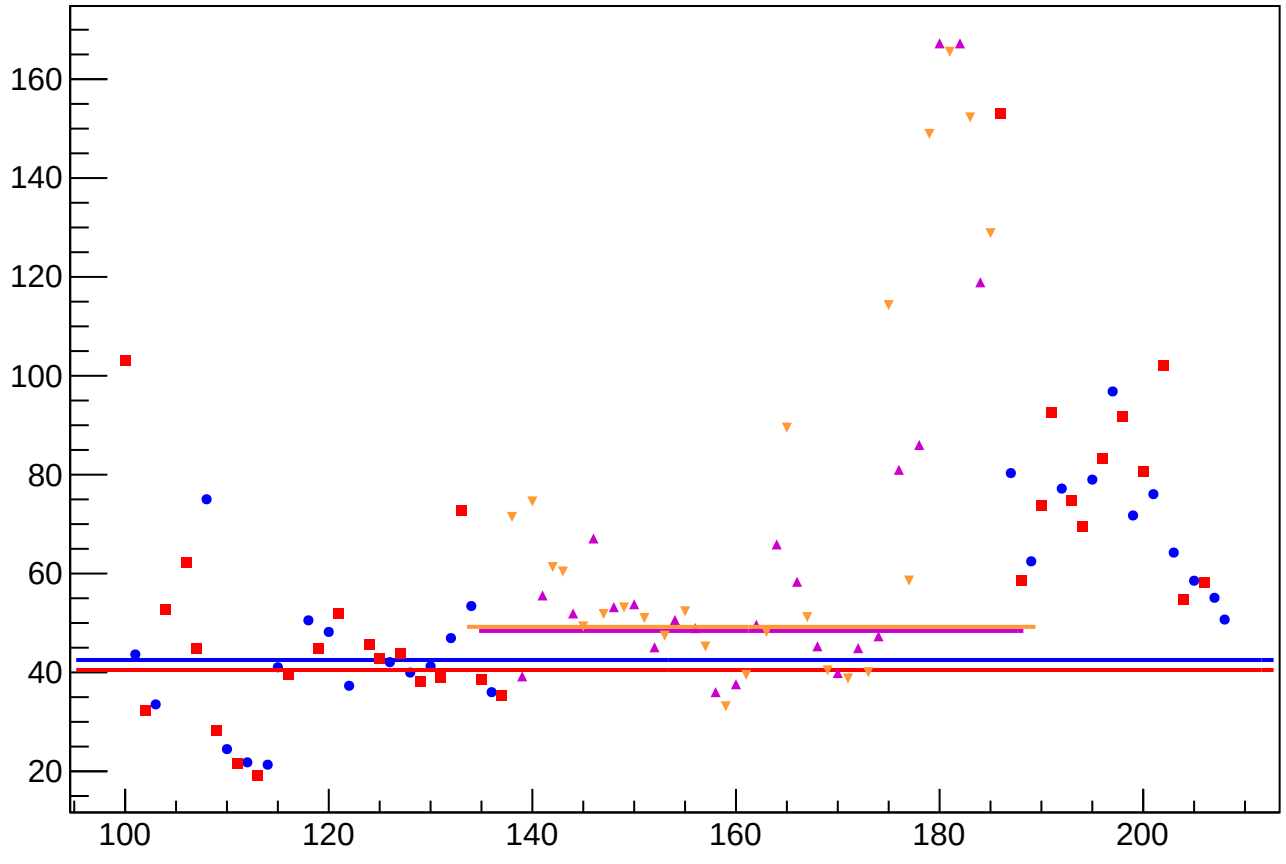
Right Out: 0.021+/-0.012 χ^2/NDF: 23.5/30

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.009+/-0.009 χ^2/NDF: 62.4/51

All: 0.010+/-0.006 χ^2/NDF: 113.8/105

- sign 0.010+/-0.008 χ^2/NDF: 51.4/53



Right In: 42.517+/-0.008 χ^2/NDF: 4267587.0/26

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

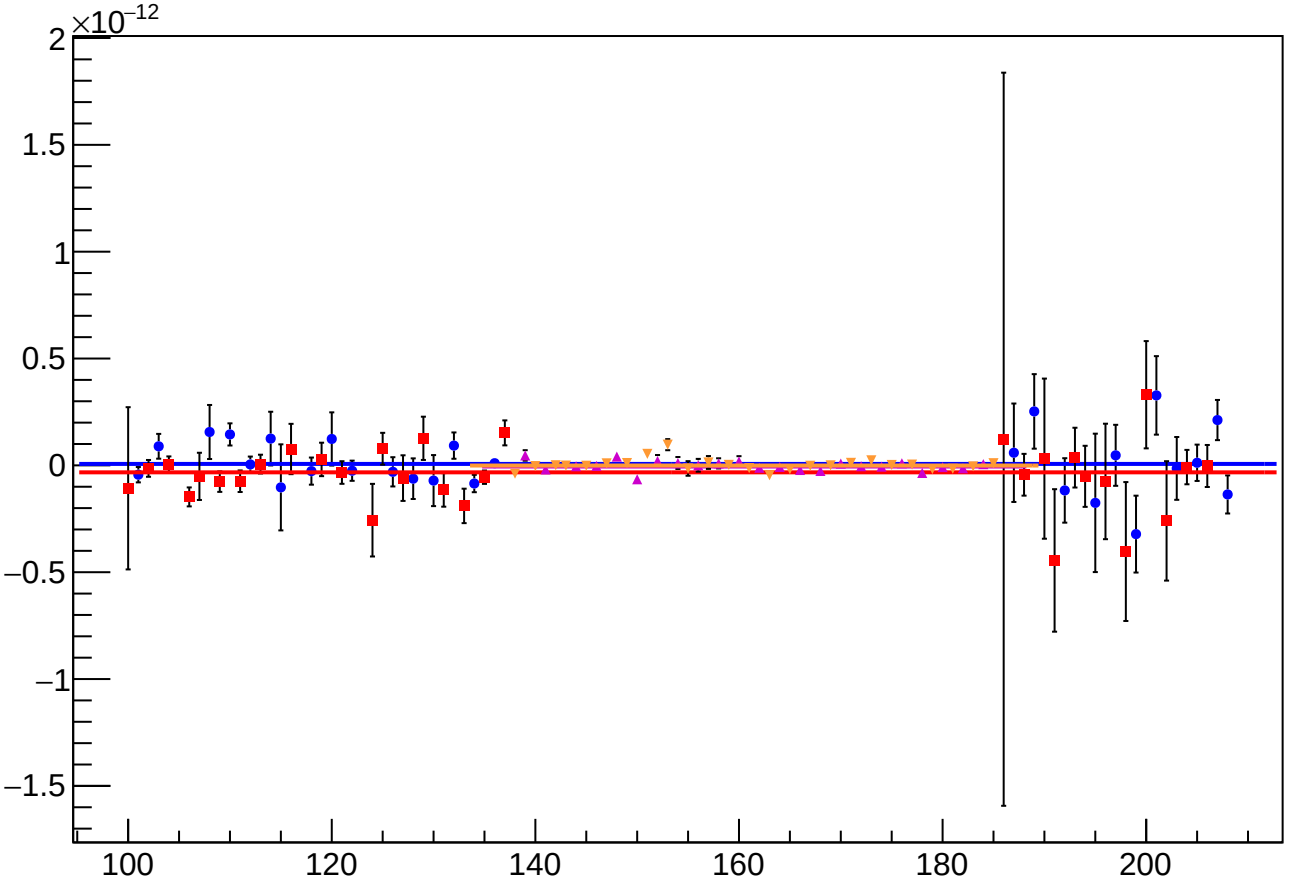
Right Out: 40.487+/-0.008 χ^2/NDF: 6066814.2/30

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 45.763+/-0.006 χ^2/NDF: 8745260.7/51

All: 44.965+/-0.004 χ^2/NDF: 18314325.3/105

- sign 44.186+/-0.006 χ^2/NDF: 9534722.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 40.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

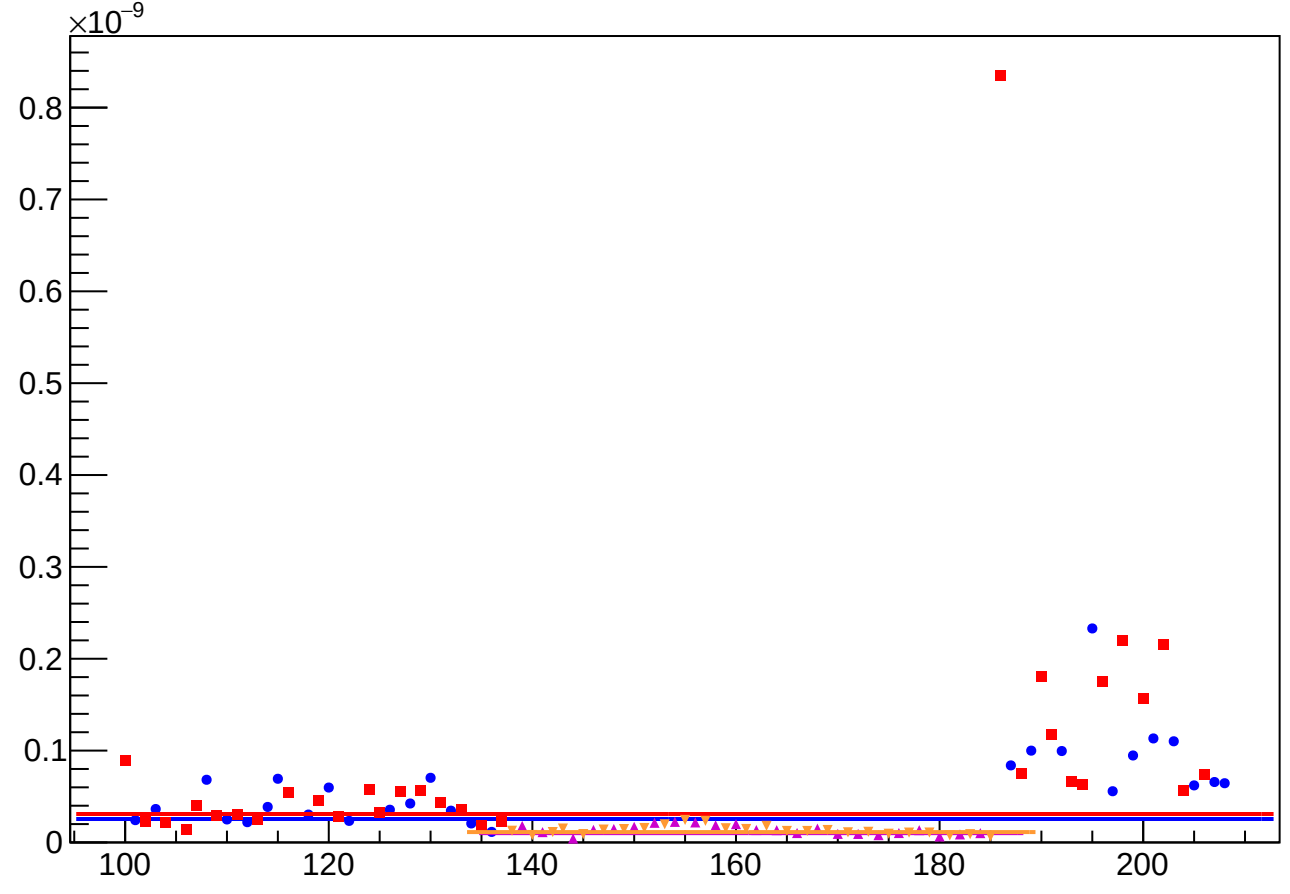
Right Out: -0.000+/-0.000 χ^2/NDF: 39.6/30

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.8/51

All: -0.000+/-0.000 χ^2/NDF: 152.8/105

- sign -0.000+/-0.000 χ^2/NDF: 72.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 6790397.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6186461.8/30

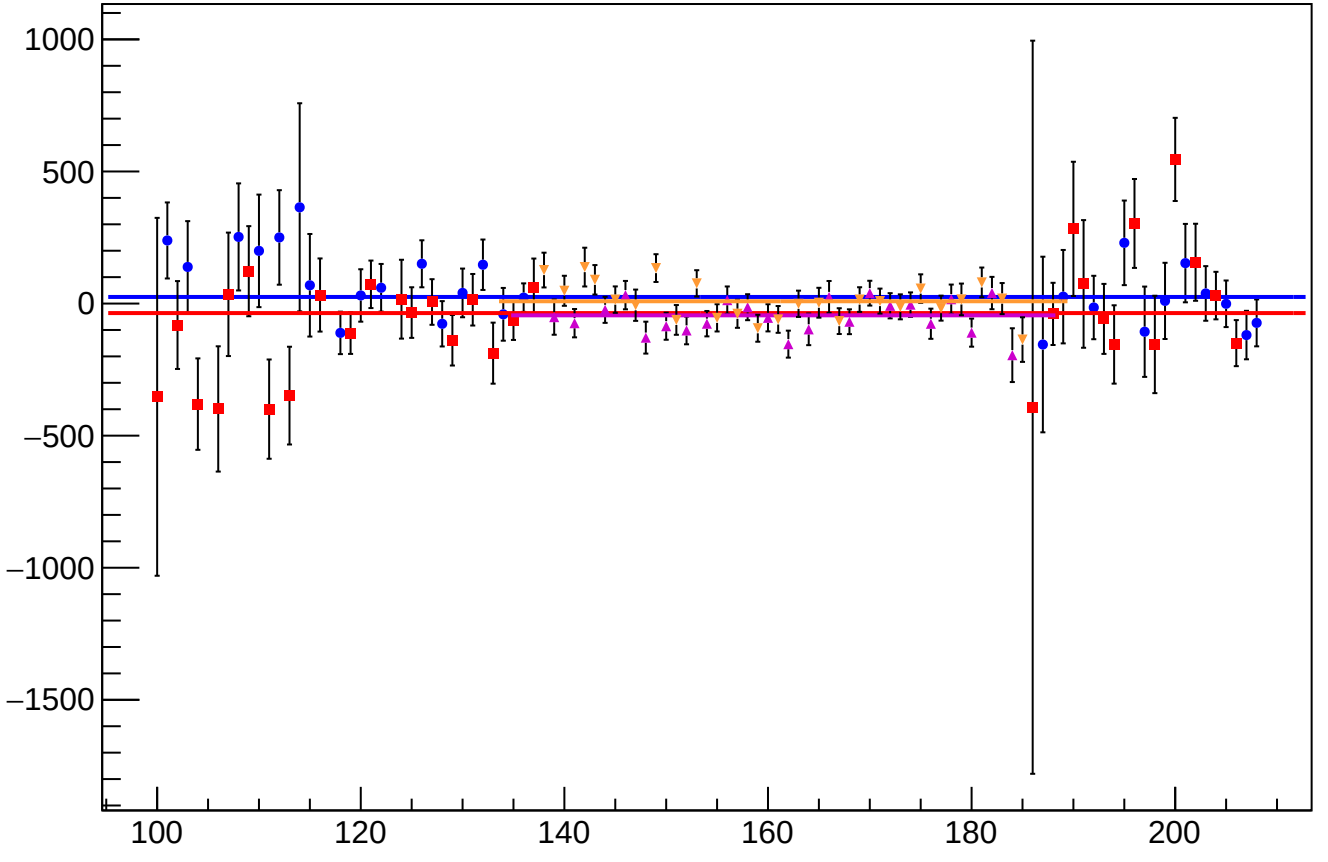
Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12088653.6/51

All: 0.000+/-0.000 χ^2/NDF: 27635319.2/105

- sign 0.000+/-0.000 χ^2/NDF: 15433857.0/53

reg_asym_sam_1526_avg_mean vs Slug



Right In: 25.006+/-21.084 χ^2/NDF: 22.6/26

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -36.006+/-22.374 χ^2/NDF: 45.9/30

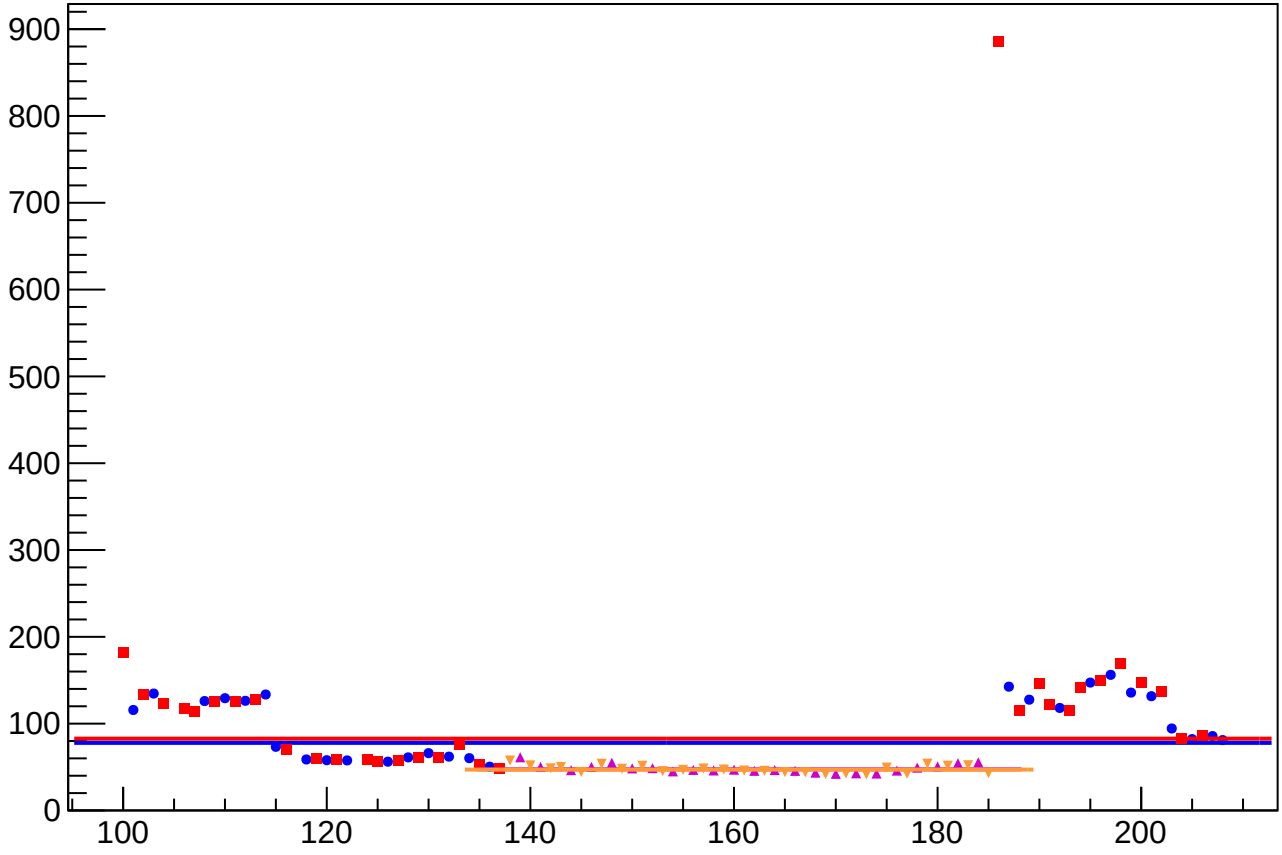
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 12.118+/-9.591 χ^2/NDF: 57.7/51

All: -14.275+/-6.915 χ^2/NDF: 146.5/105

- sign -42.844+/-9.978 χ^2/NDF: 73.0/53

reg_asym_sam_1526_avg_rms vs Slug



Right In: 77.858+/-0.015 χ^2/NDF: 3841208.4/26

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

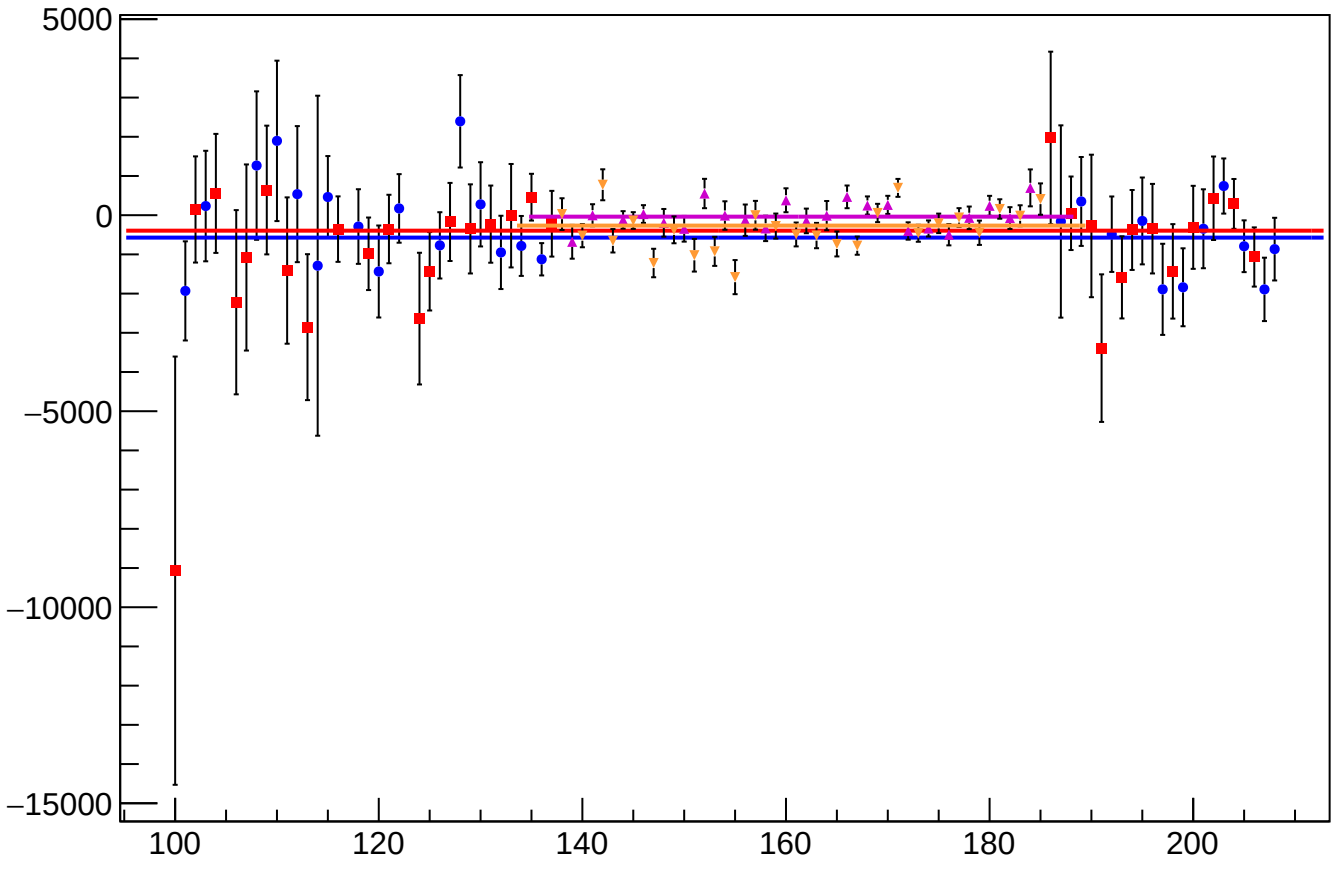
Right Out: 82.715+/-0.016 χ^2/NDF: 4986987.2/30

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 53.436+/-0.007 χ^2/NDF: 7512424.7/51

All: 53.904+/-0.005 χ^2/NDF: 16775897.0/105

- sign 54.411+/-0.007 χ^2/NDF: 9253541.4/53



Right In: -571.785+/-180.187 χ^2/NDF: 25.9/26

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -394.821+/-194.359 χ^2/NDF: 20.2/30

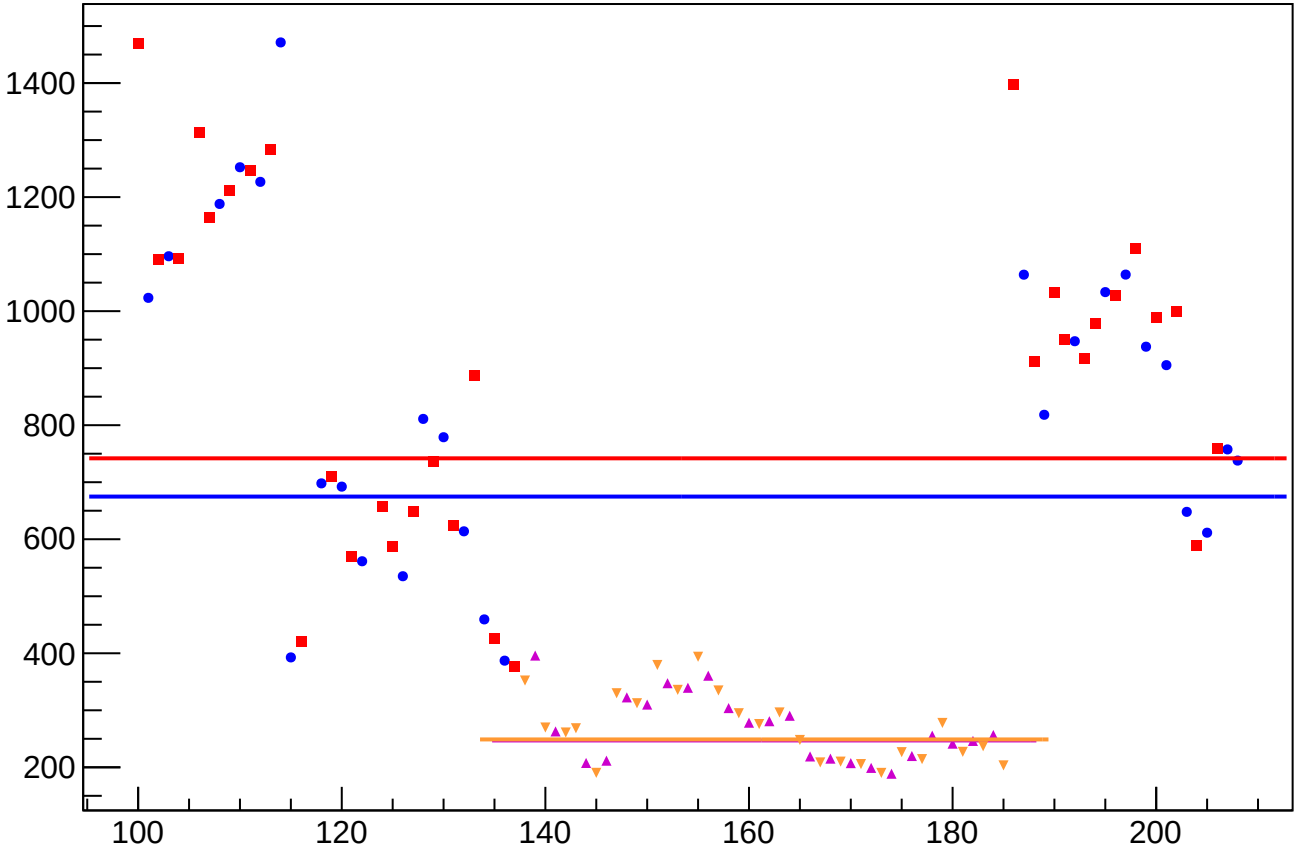
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -294.450+/-55.237 χ^2/NDF: 98.3/51

All: -183.890+/-39.530 χ^2/NDF: 156.5/105

- sign -67.825+/-56.596 χ^2/NDF: 49.9/53

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 674.812+/-0.127 χ^2/NDF: 3306253.5/26

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 741.887+/-0.137 χ^2/NDF: 3512791.1/30

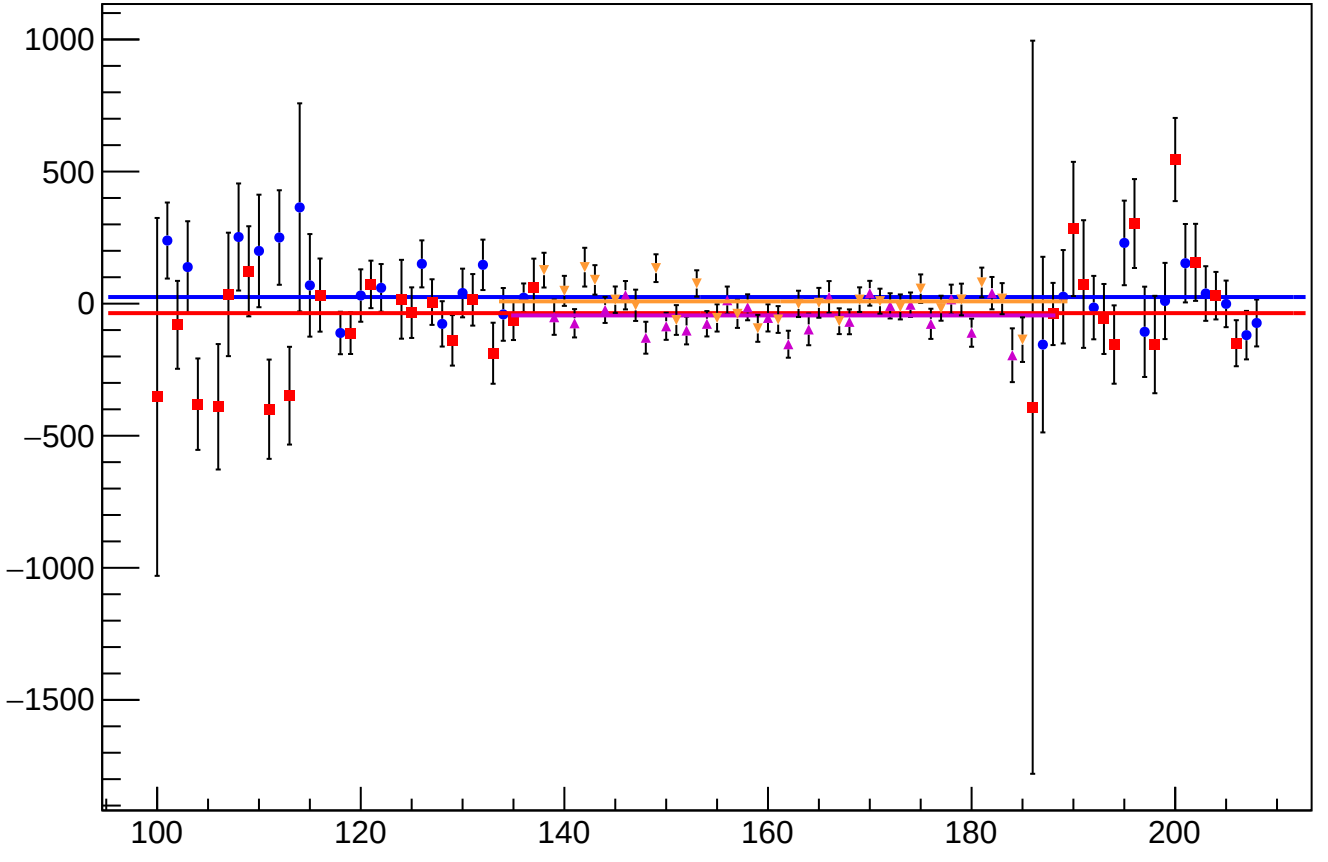
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 288.917+/-0.039 χ^2/NDF: 15094633.4/51

All: 288.988+/-0.028 χ^2/NDF: 31953958.6/10

- sign 289.063+/-0.040 χ^2/NDF: 16859318.4/53

cor_asym_sam_1526_avg_mean vs Slug



Right In: 24.997+/-21.084 χ^2/NDF: 22.6/26

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -35.904+/-22.374 χ^2/NDF: 45.8/30

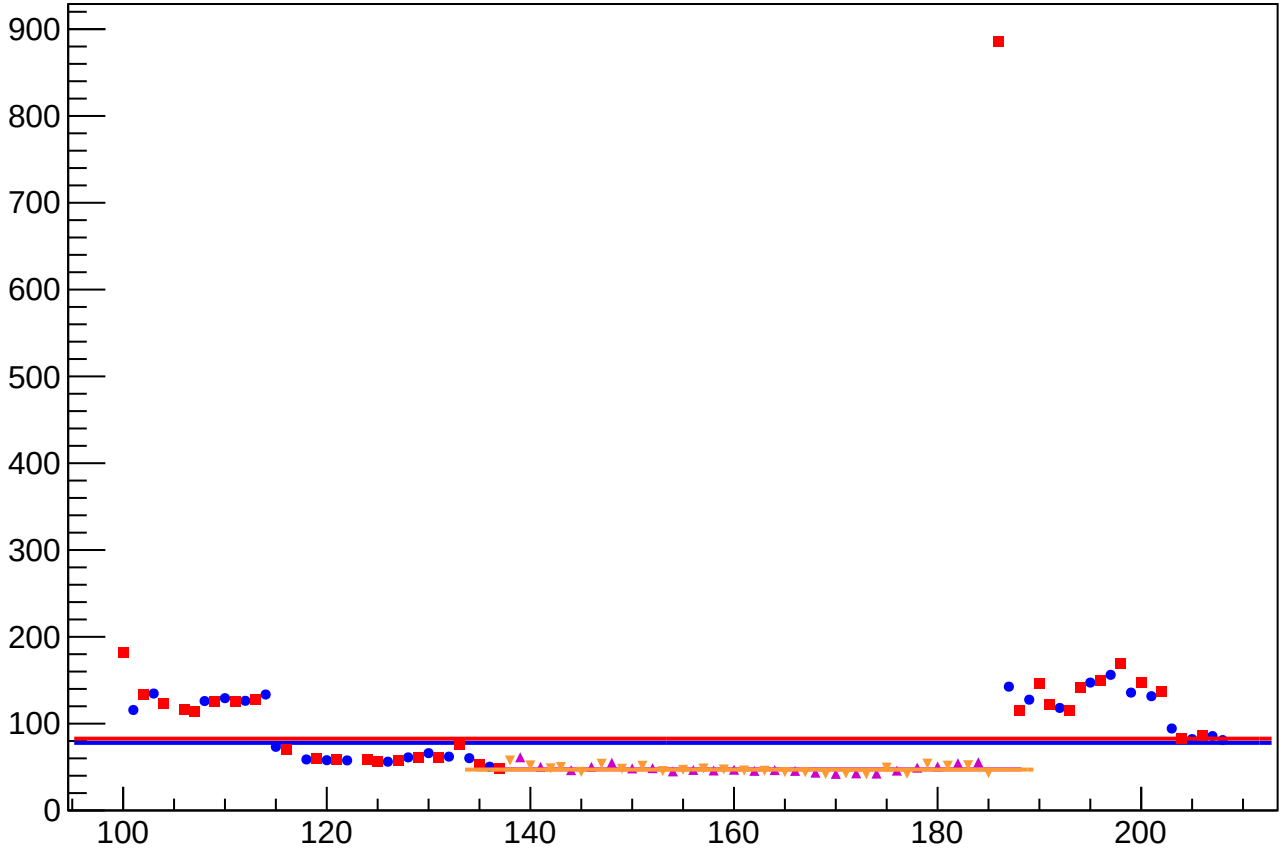
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 12.118+/-9.591 χ^2/NDF: 57.7/51

All: -14.264+/-6.915 χ^2/NDF: 146.4/105

- sign -42.822+/-9.978 χ^2/NDF: 72.9/53

cor_asym_sam_1526_avg_rms vs Slug



Right In: 77.858+/-0.015 χ^2/NDF: 3841210.7/26

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

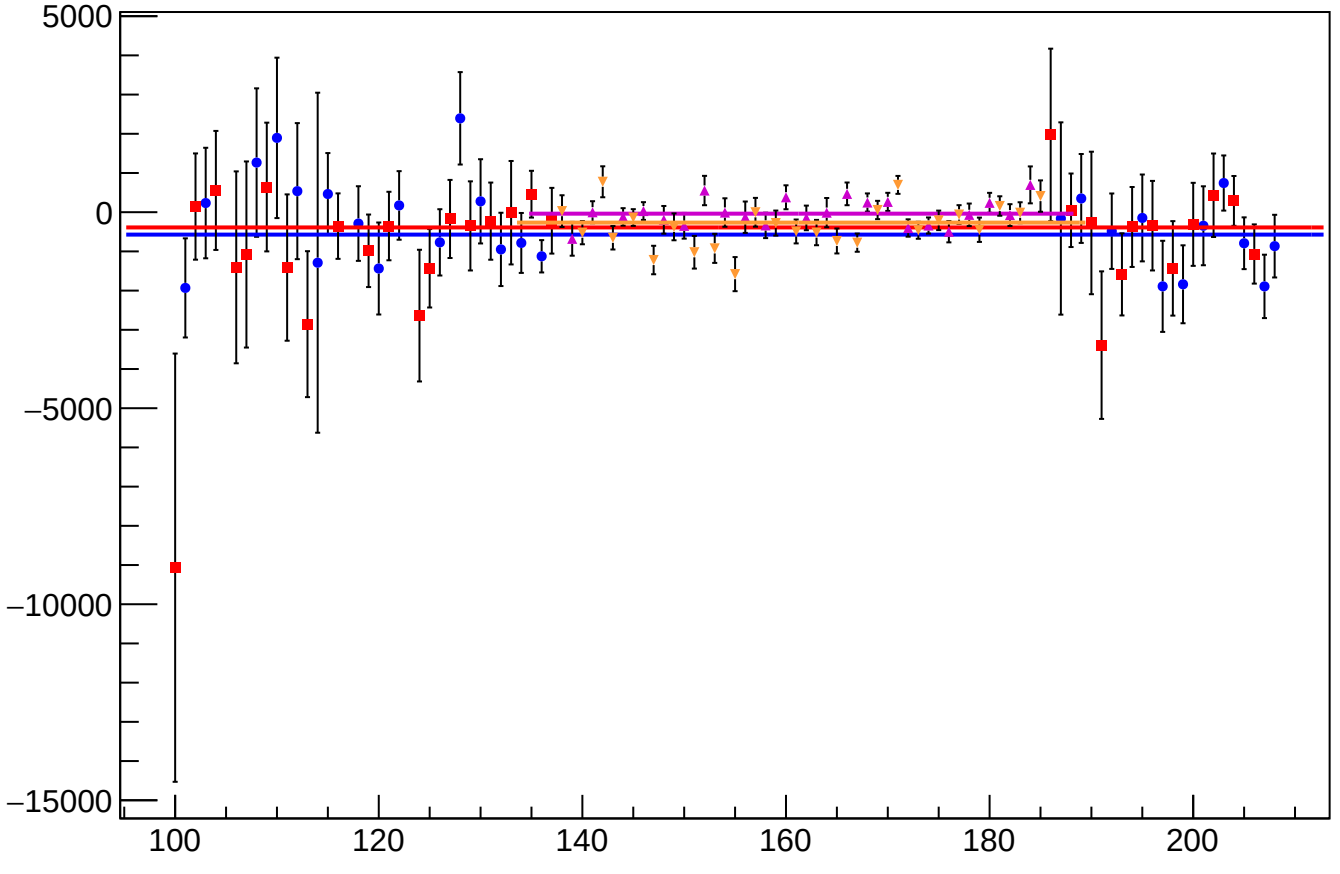
Right Out: 82.706+/-0.016 χ^2/NDF: 4984734.6/30

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 53.436+/-0.007 χ^2/NDF: 7512426.8/51

All: 53.903+/-0.005 χ^2/NDF: 16771346.4/105

- sign 54.409+/-0.007 χ^2/NDF: 9249031.4/53



Right In: -571.777+/-180.187 χ^2/NDF: 25.9/26

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

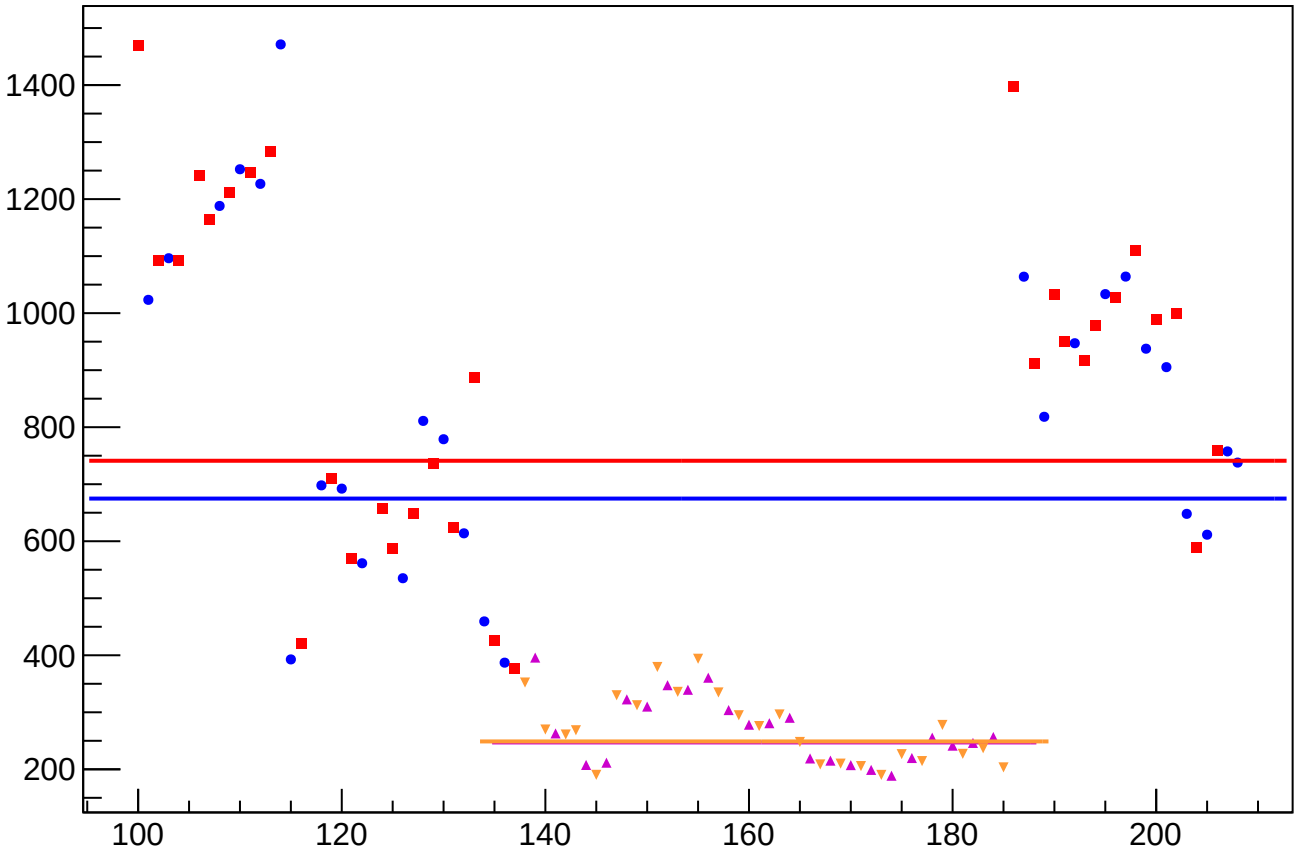
Right Out: -388.772+/-194.414 χ^2/NDF: 19.8/30

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -294.446+/-55.237 χ^2/NDF: 98.3/51

All: -183.632+/-39.531 χ^2/NDF: 156.0/105

- sign -67.294+/-56.597 χ^2/NDF: 49.4/53



Right In: 674.812+/-0.127 χ^2/NDF: 3306293.0/26

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 741.131+/-0.137 χ^2/NDF: 3478158.5/30

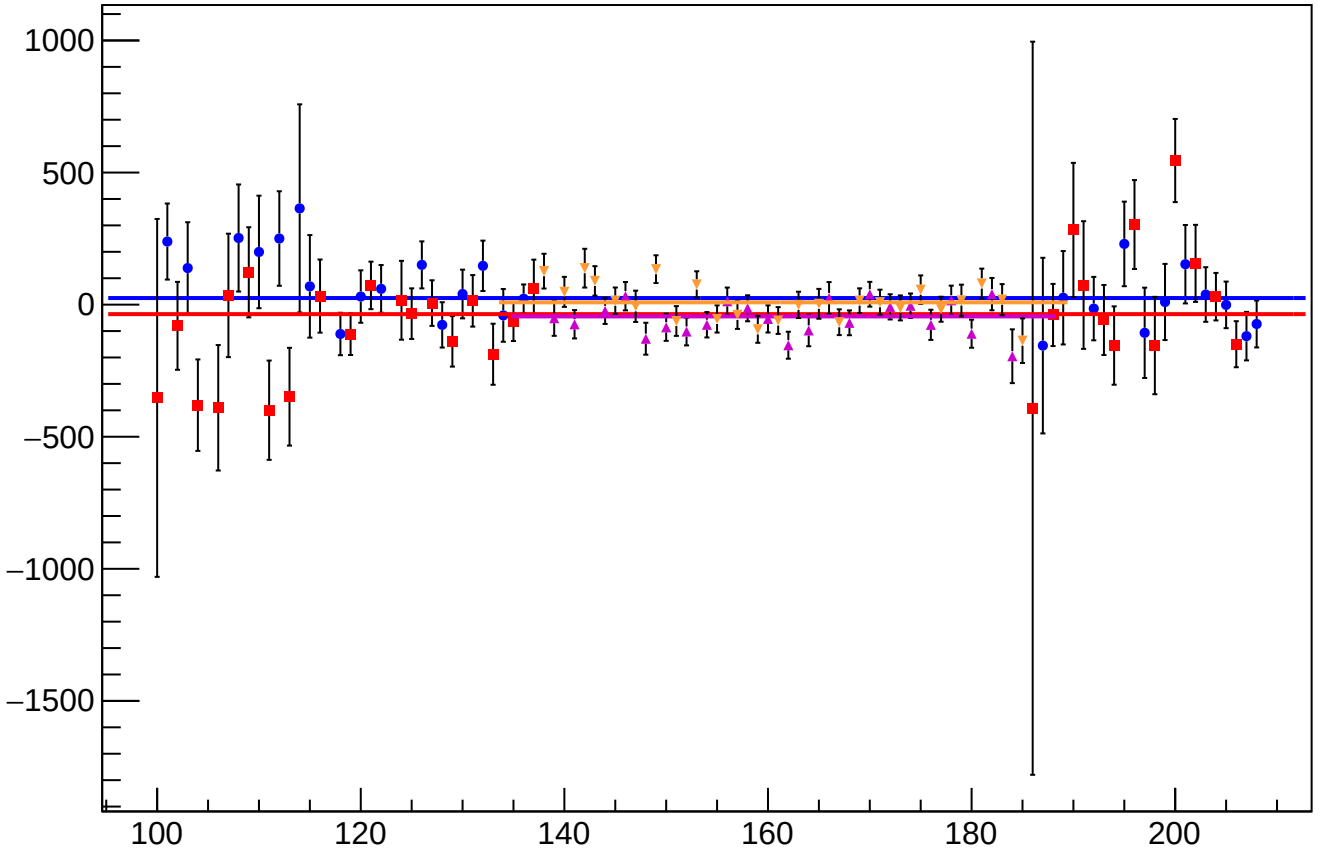
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 288.917+/-0.039 χ^2/NDF: 15094674.3/51

All: 288.946+/-0.028 χ^2/NDF: 31877016.3/10

- sign 288.977+/-0.040 χ^2/NDF: 16782340.8/53

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 24.997+/-21.084 χ^2/NDF: 22.6/26

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -35.904+/-22.374 χ^2/NDF: 45.8/30

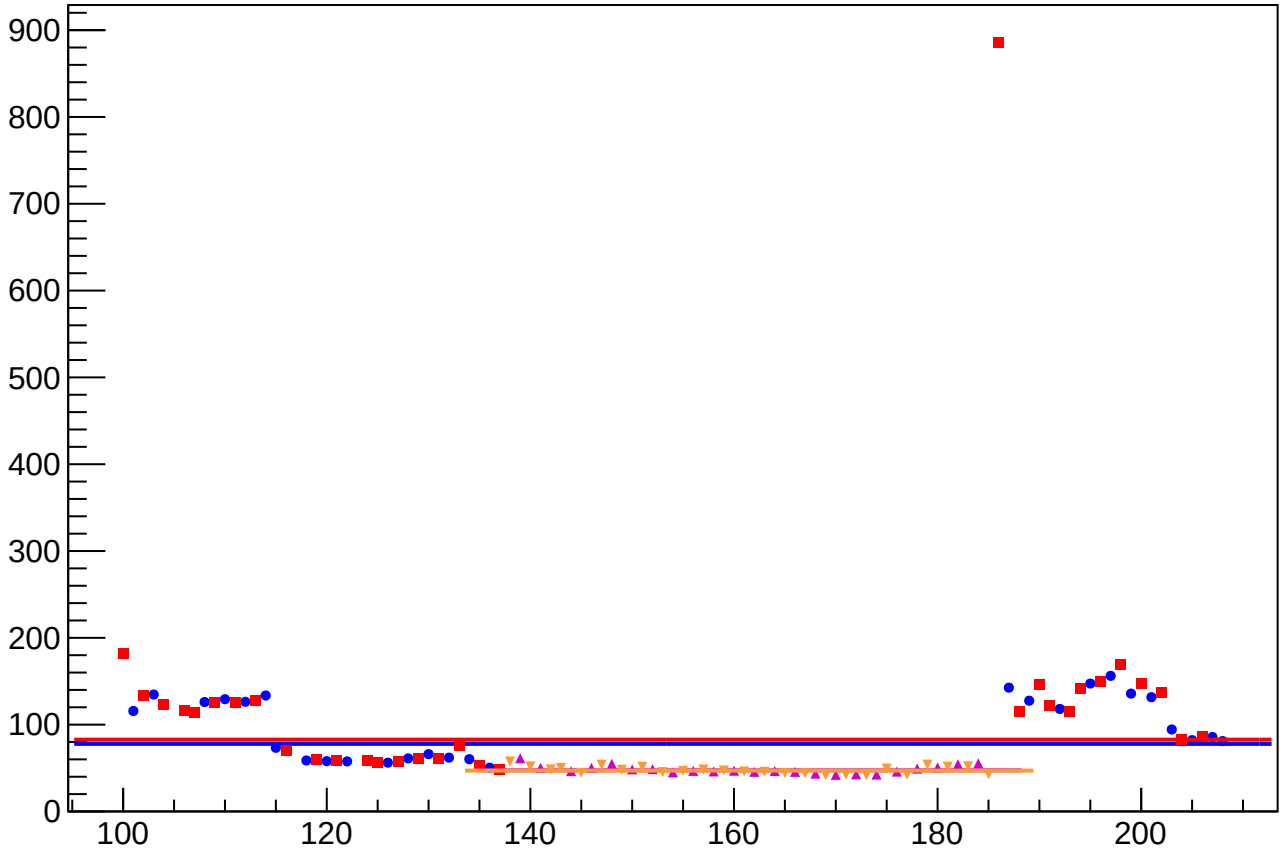
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 12.118+/-9.591 χ^2/NDF: 57.7/51

All: -14.264+/-6.915 χ^2/NDF: 146.4/105

- sign -42.822+/-9.978 χ^2/NDF: 72.9/53

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 77.858+/-0.015 χ^2/NDF: 3841210.7/26

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

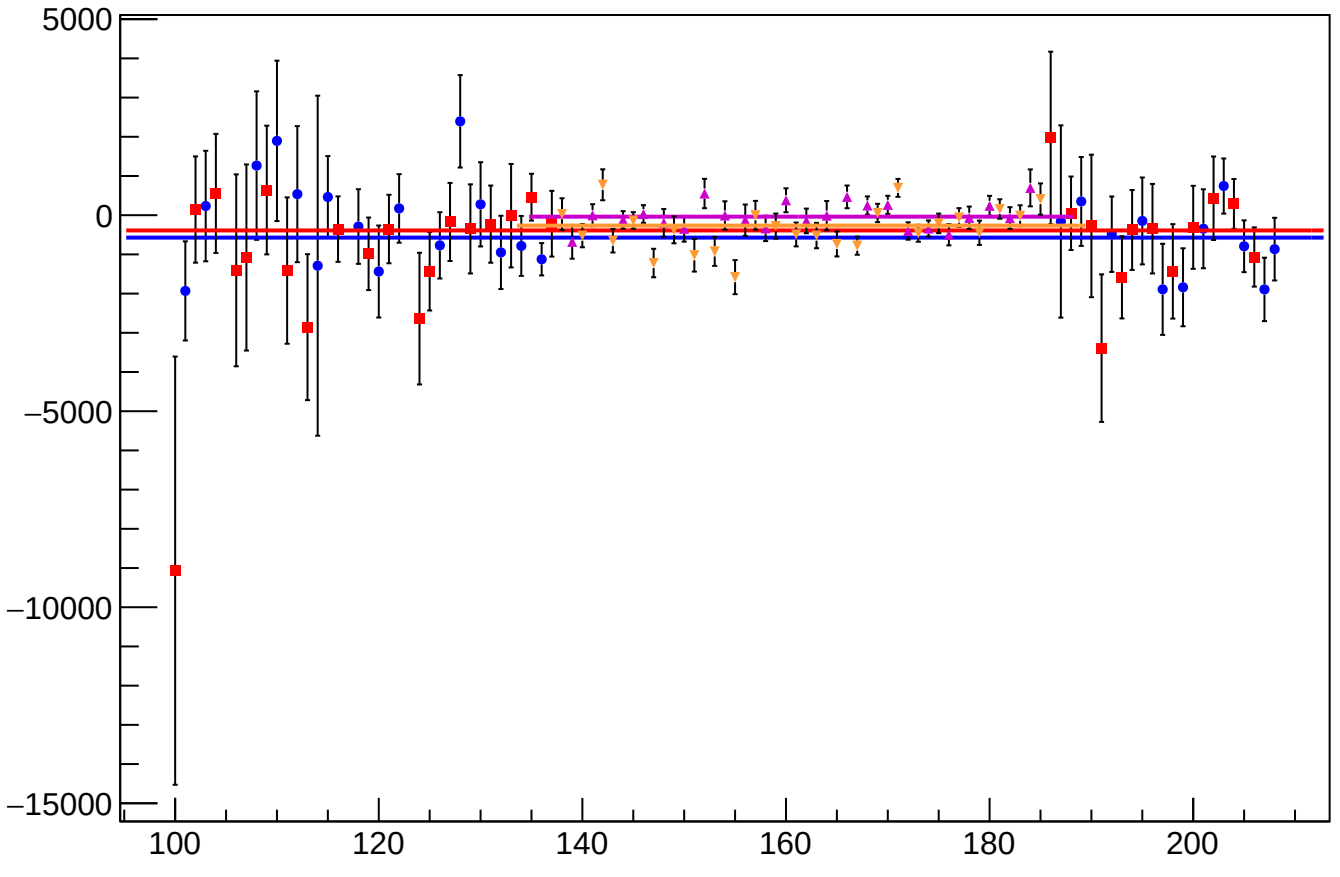
Right Out: 82.706+/-0.016 χ^2/NDF: 4984734.6/30

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 53.436+/-0.007 χ^2/NDF: 7512426.8/51

All: 53.903+/-0.005 χ^2/NDF: 16771346.4/105

- sign 54.409+/-0.007 χ^2/NDF: 9249031.4/53



Right In: -571.777+/-180.187 χ^2/NDF: 25.9/26

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

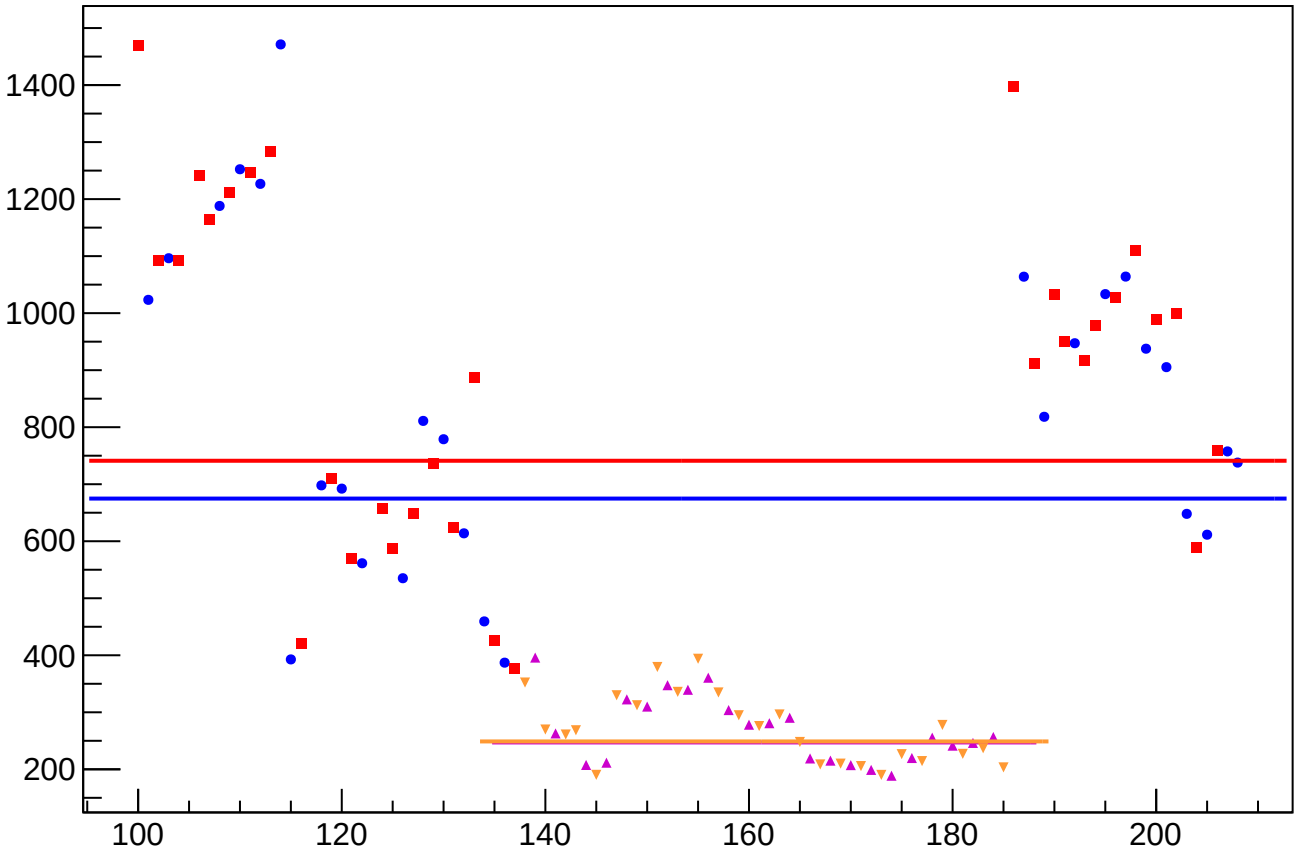
Right Out: -388.772+/-194.414 χ^2/NDF: 19.8/30

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -294.446+/-55.237 χ^2/NDF: 98.3/51

All: -183.632+/-39.531 χ^2/NDF: 156.0/105

- sign -67.294+/-56.597 χ^2/NDF: 49.4/53



Right In: 674.812+/-0.127 χ^2/NDF: 3306293.0/26

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 741.131+/-0.137 χ^2/NDF: 3478158.5/30

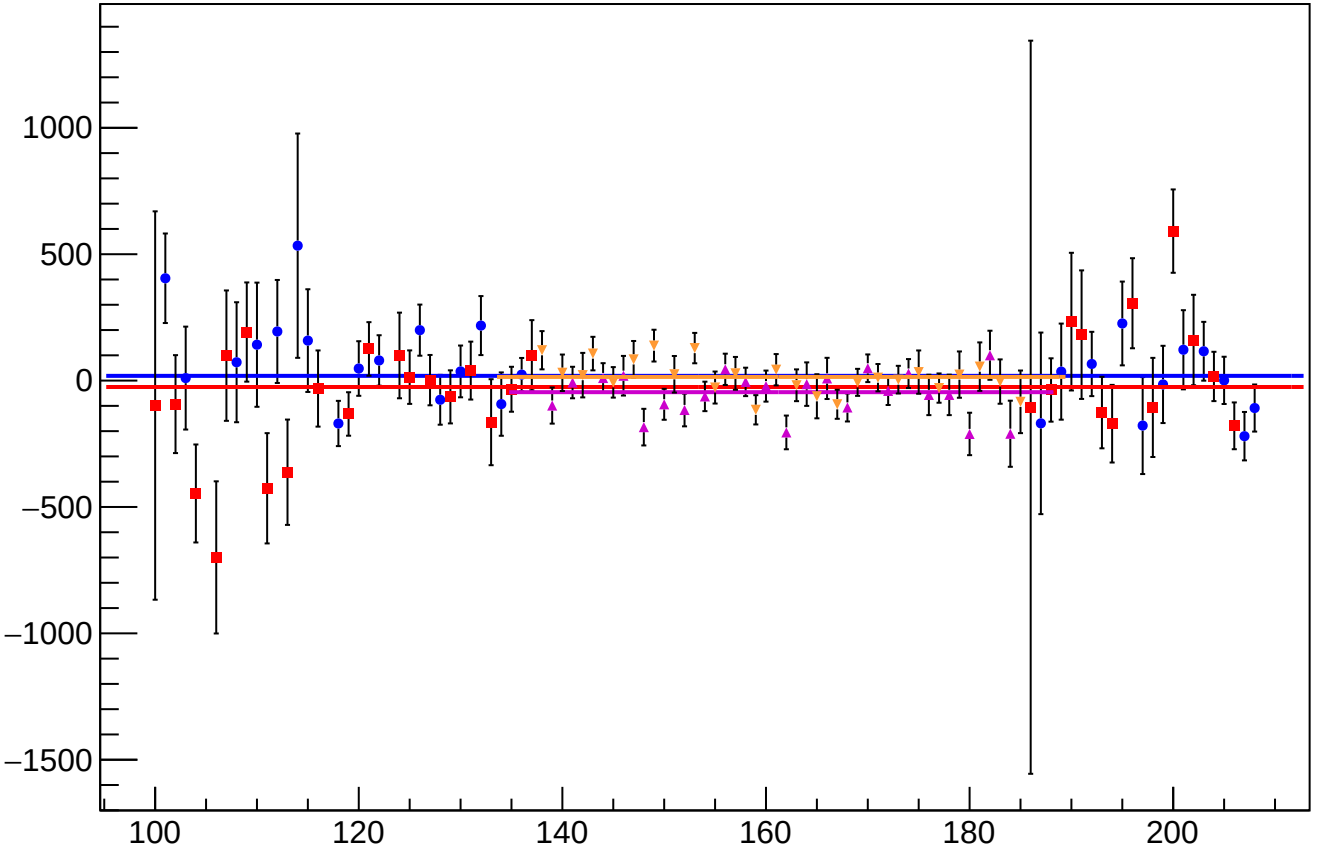
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 288.917+/-0.039 χ^2/NDF: 15094674.3/51

All: 288.946+/-0.028 χ^2/NDF: 31877016.3/10

- sign 288.977+/-0.040 χ^2/NDF: 16782340.8/53

dit_asym_sam_1526_avg_mean vs Slug



Right In: 18.757+/-23.737 χ^2/NDF: 32.7/26

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -25.343+/-25.343 χ^2/NDF: 48.2/30

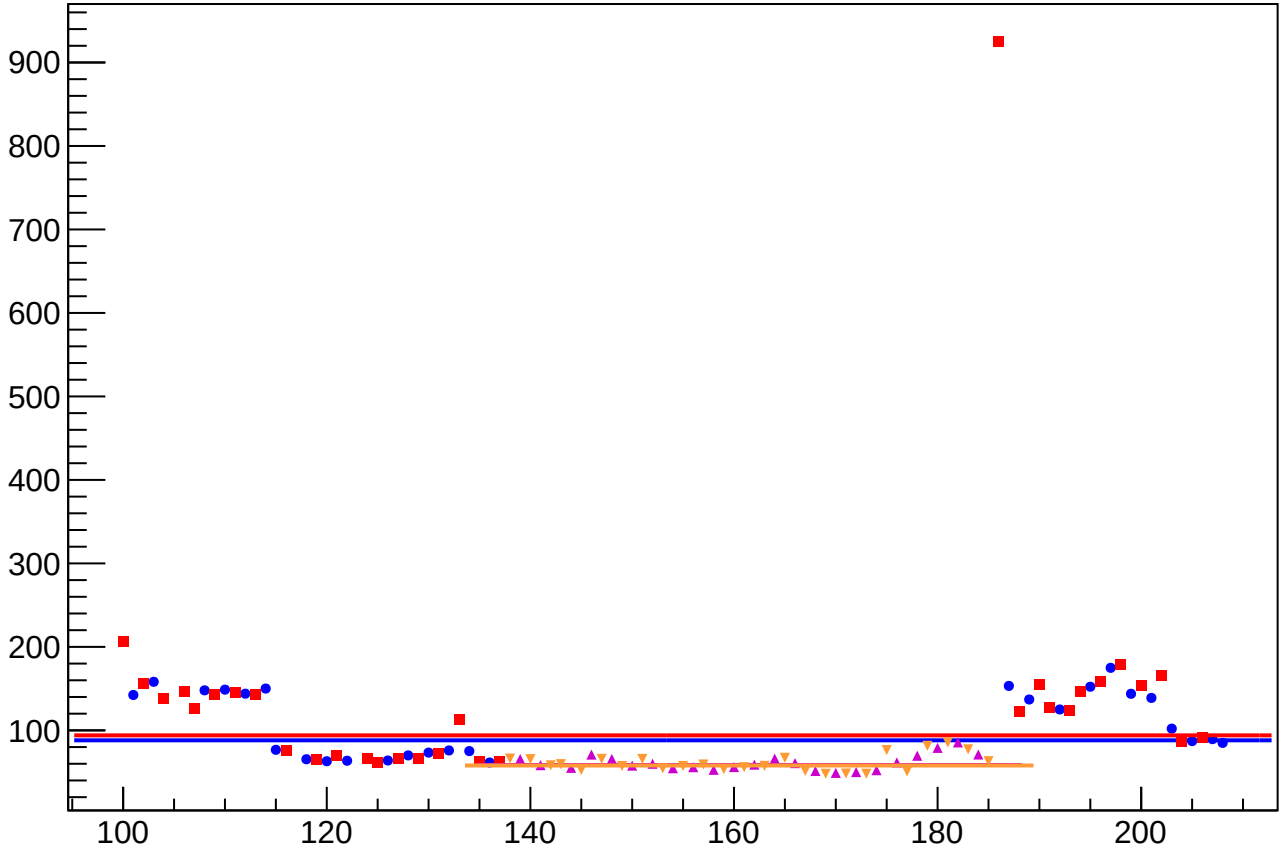
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 15.534+/-11.705 χ^2/NDF: 57.2/51

All: -11.571+/-8.449 χ^2/NDF: 147.9/105

- sign -41.058+/-12.208 χ^2/NDF: 79.5/53

dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.088+/-0.017 χ^2/NDF: 3402096.7/26

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

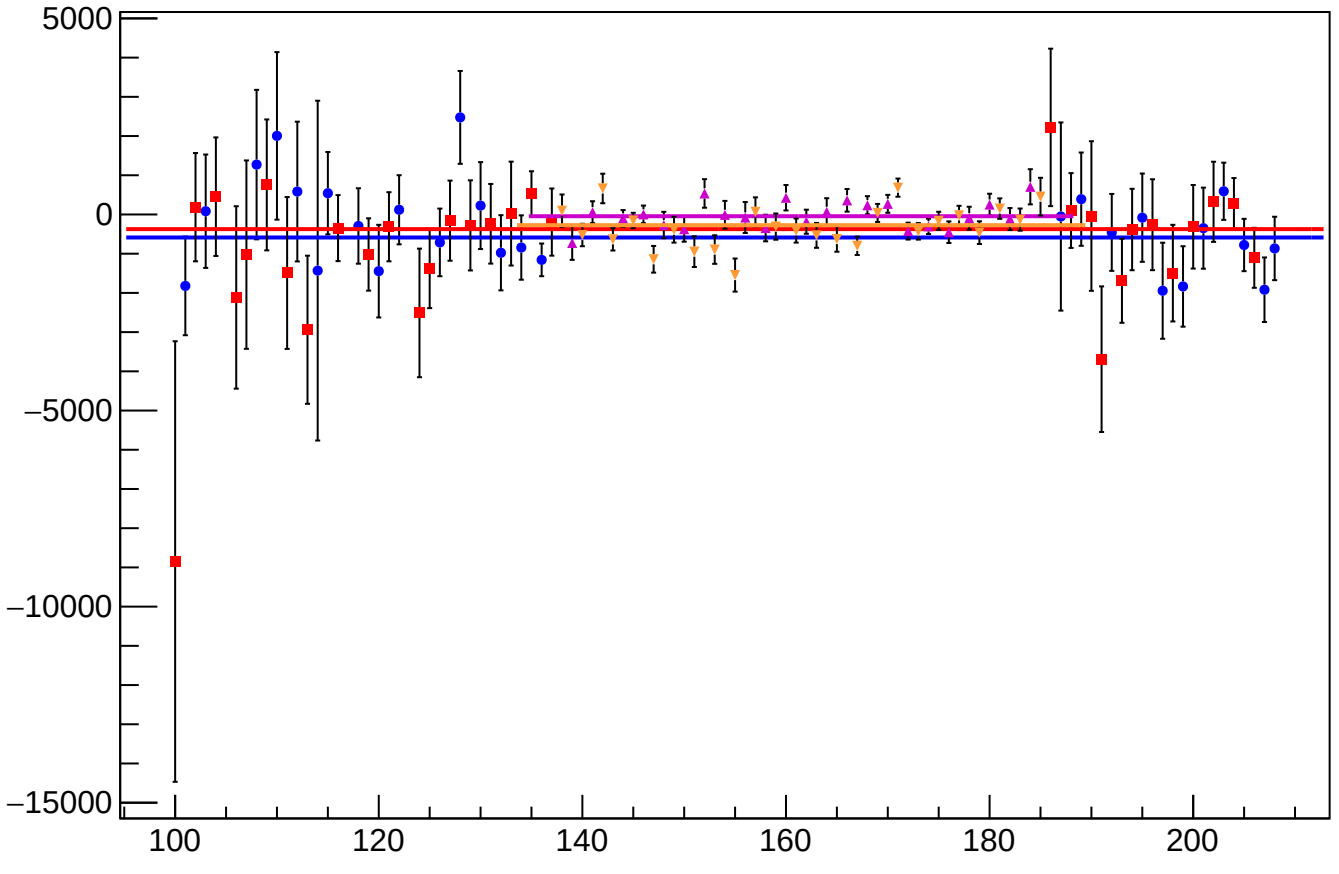
Right Out: 94.028+/-0.018 χ^2/NDF: 4561271.7/30

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 65.290+/-0.008 χ^2/NDF: 6736760.2/51

All: 65.979+/-0.006 χ^2/NDF: 14984400.3/105

- sign 66.728+/-0.009 χ^2/NDF: 8233173.4/53



Right In: -586.941+/-183.910 χ^2/NDF: 25.0/26

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -373.173+/-195.492 χ^2/NDF: 21.8/30

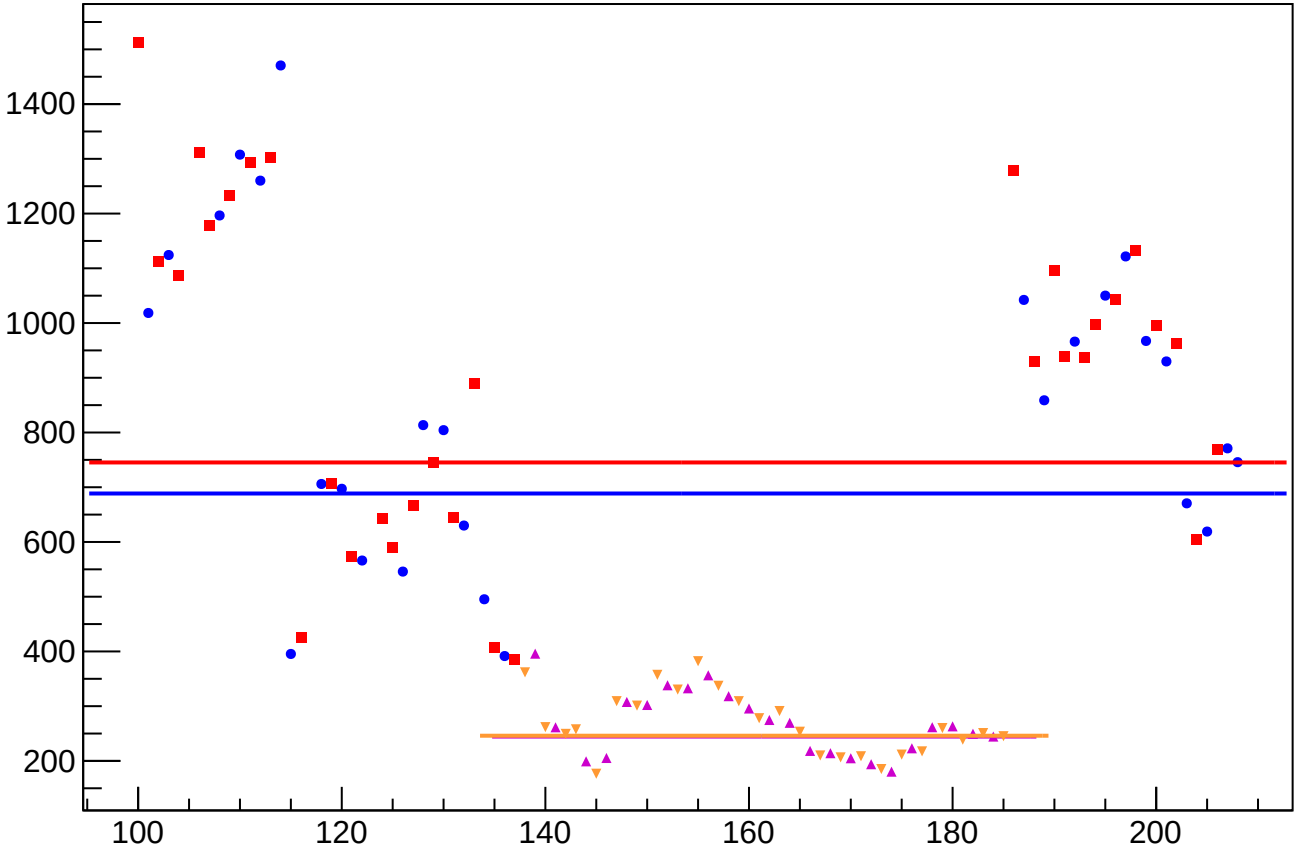
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -300.312+/-54.684 χ^2/NDF: 93.4/51

All: -189.000+/-39.174 χ^2/NDF: 152.8/105

- sign -71.658+/-56.145 χ^2/NDF: 50.9/53

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 688.554+/-0.130 χ^2/NDF: 3339668.4/26

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 745.277+/-0.138 χ^2/NDF: 3615576.4/30

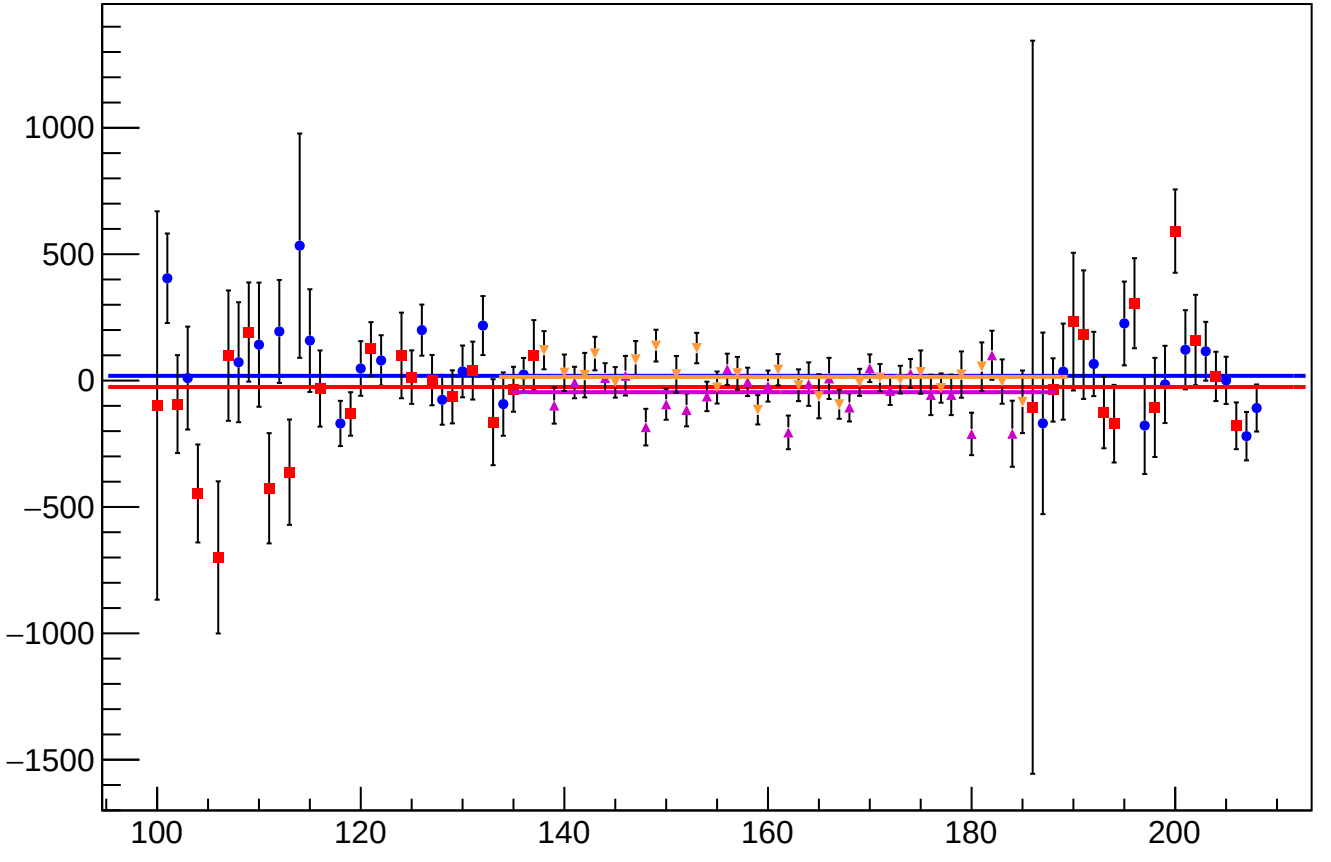
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

\+ sign 285.142+/-0.039 χ^2/NDF: 15576725.0/51

All: 285.442+/-0.028 χ^2/NDF: 32833167.9/10

\- sign 285.760+/-0.040 χ^2/NDF: 17256318.6/53

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 18.758+/-23.736 χ^2/NDF: 32.7/26

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -25.343+/-25.343 χ^2/NDF: 48.2/30

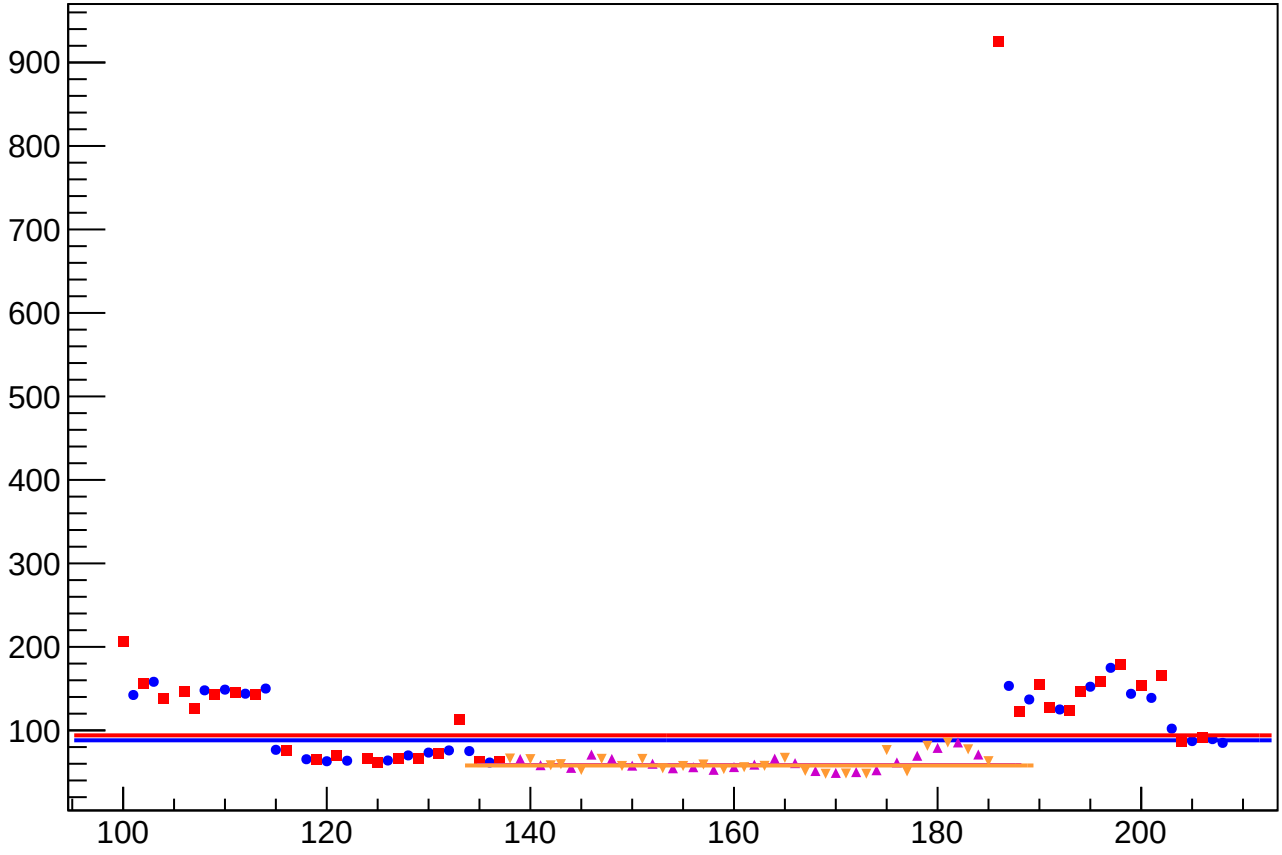
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 15.534+/-11.705 χ^2/NDF: 57.2/51

All: -11.571+/-8.449 χ^2/NDF: 147.9/105

- sign -41.057+/-12.208 χ^2/NDF: 79.5/53

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.088+/-0.017 χ^2/NDF: 3402098.6/26

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

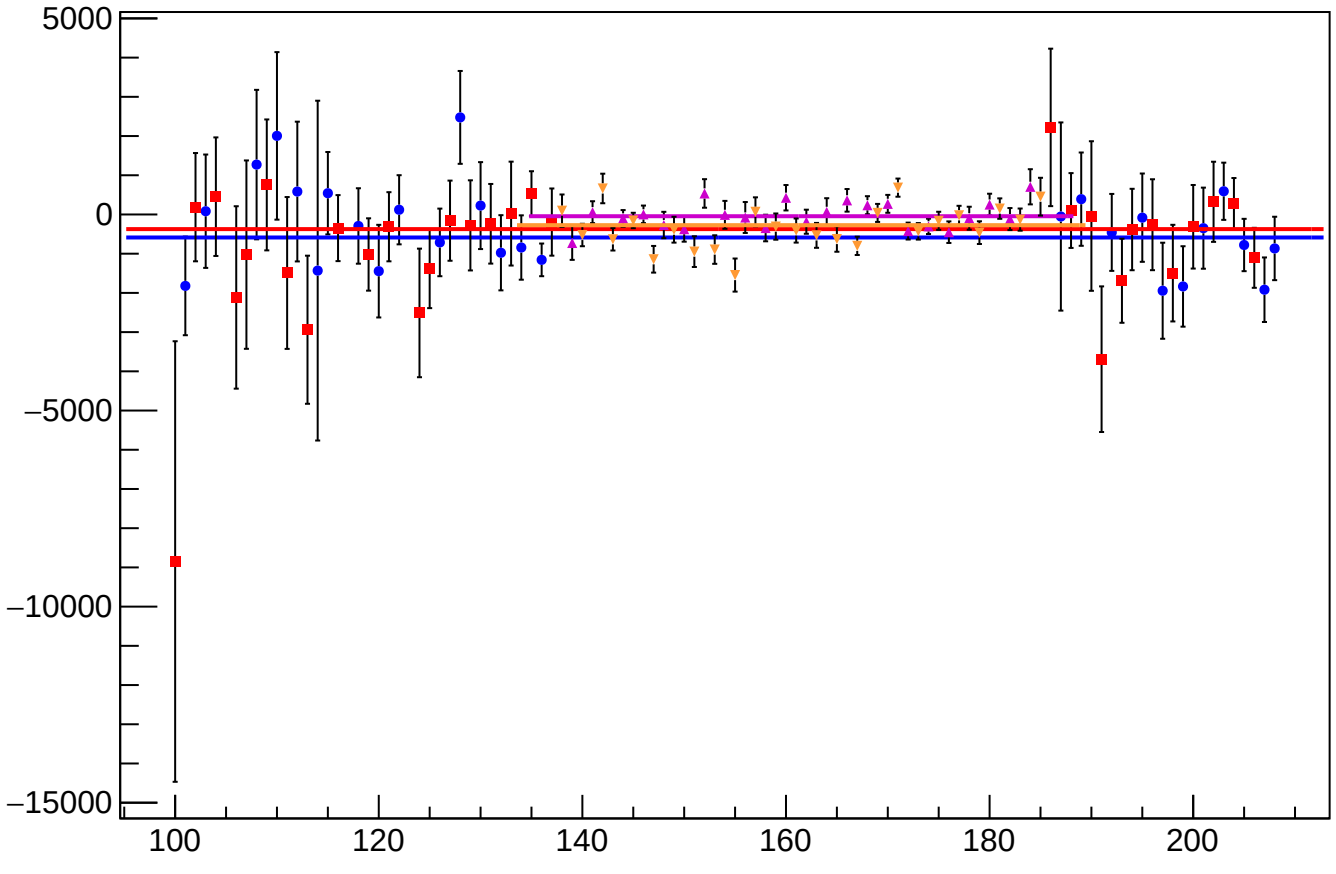
Right Out: 94.028+/-0.018 χ^2/NDF: 4561285.7/30

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

\+ sign 65.290+/-0.008 χ^2/NDF: 6736716.1/51

All: 65.979+/-0.006 χ^2/NDF: 14984298.8/105

\- sign 66.728+/-0.009 χ^2/NDF: 8233114.6/53



Right In: -586.940+/-183.910 χ^2/NDF: 25.0/26

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

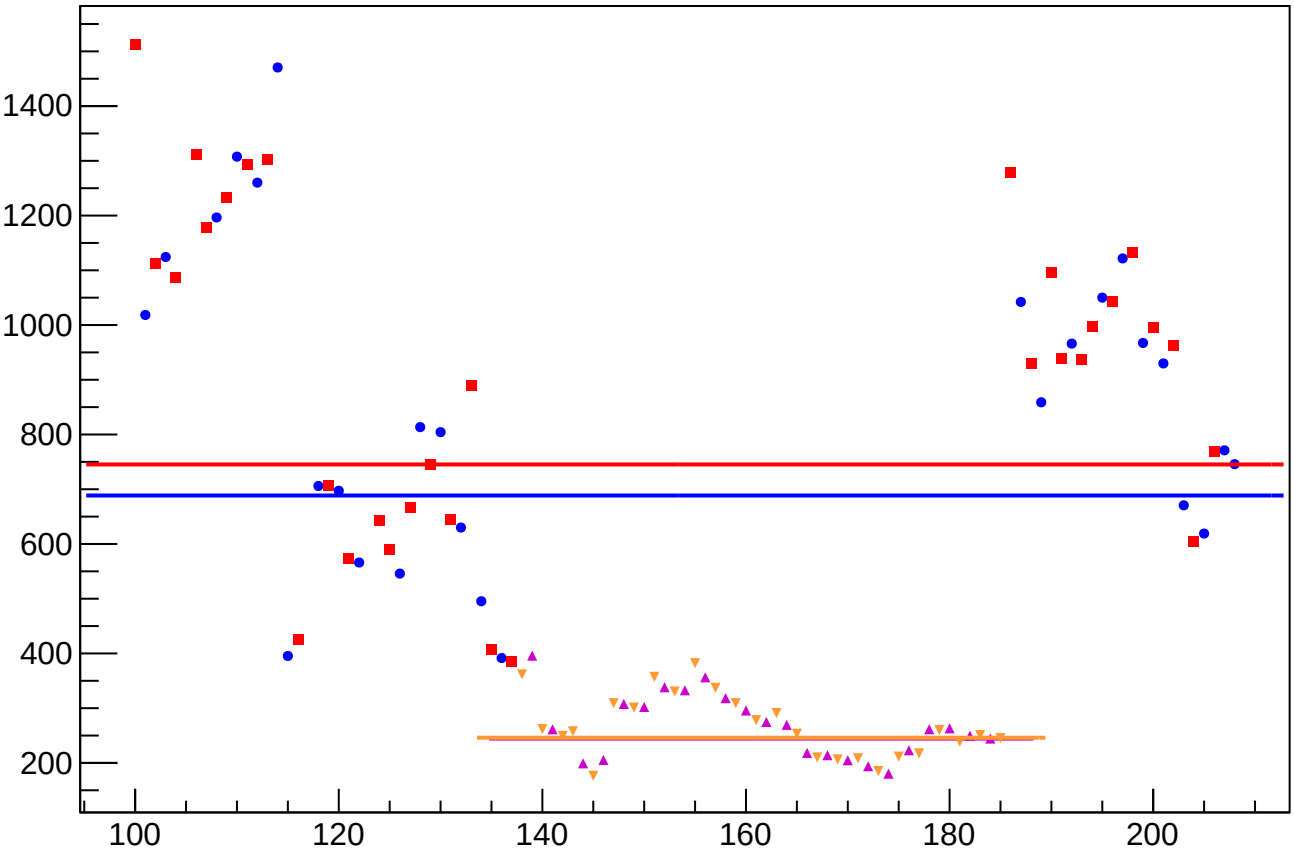
Right Out: -373.174+/-195.492 χ^2/NDF: 21.8/30

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -300.311+/-54.684 χ^2/NDF: 93.4/51

All: -188.999+/-39.174 χ^2/NDF: 152.8/105

- sign -71.658+/-56.145 χ^2/NDF: 50.9/53



Right In: 688.554+/-0.130 χ^2/NDF: 3339651.6/26

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 745.276+/-0.138 χ^2/NDF: 3615557.4/30

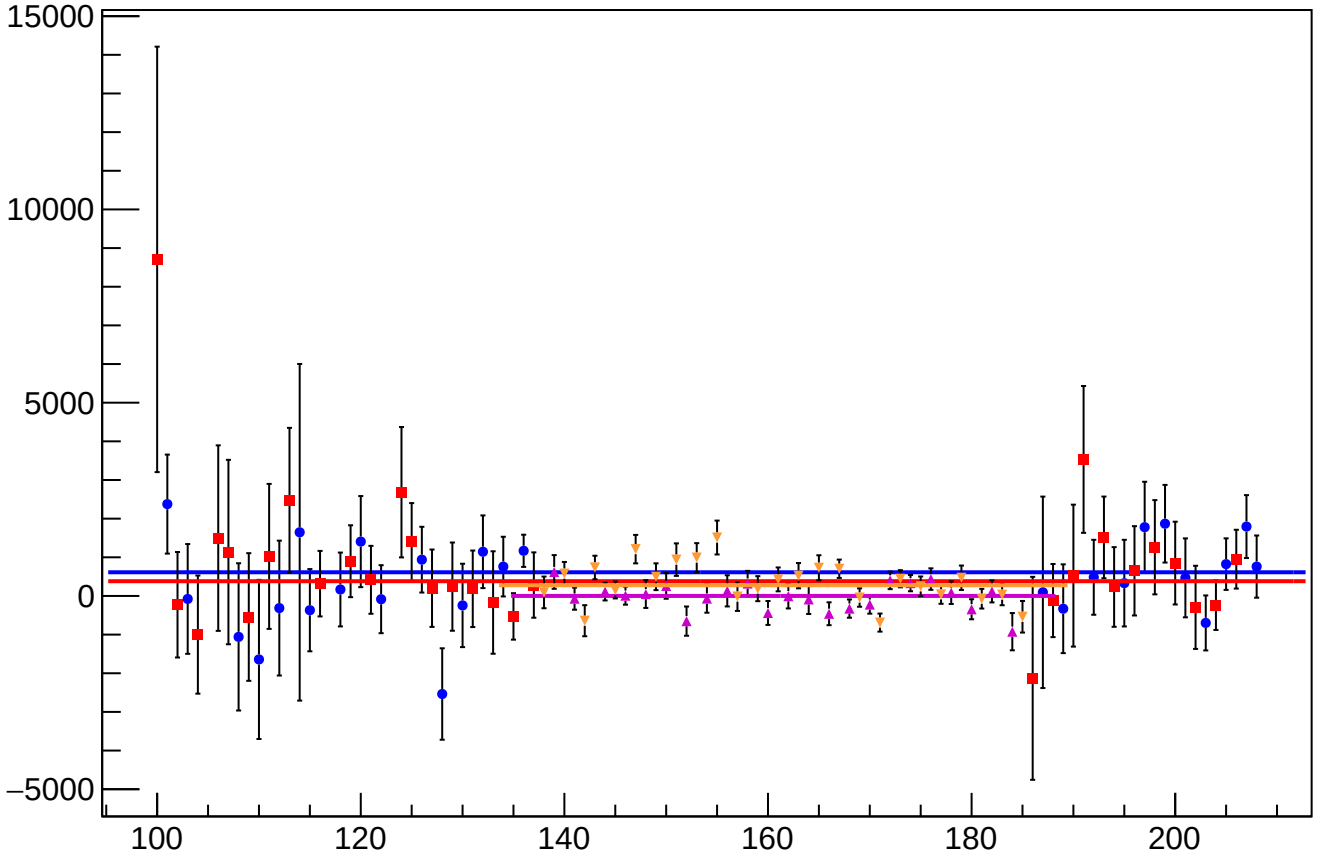
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 285.141+/-0.039 χ^2/NDF: 15576733.8/51

All: 285.442+/-0.028 χ^2/NDF: 32833164.0/10

- sign 285.759+/-0.040 χ^2/NDF: 17256305.9/53

asym_sam_1526_avg_mean vs Slug



Right In: 612.591+/-181.805 χ^2/NDF: 25.6/26

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 381.425+/-196.188 χ^2/NDF: 18.9/30

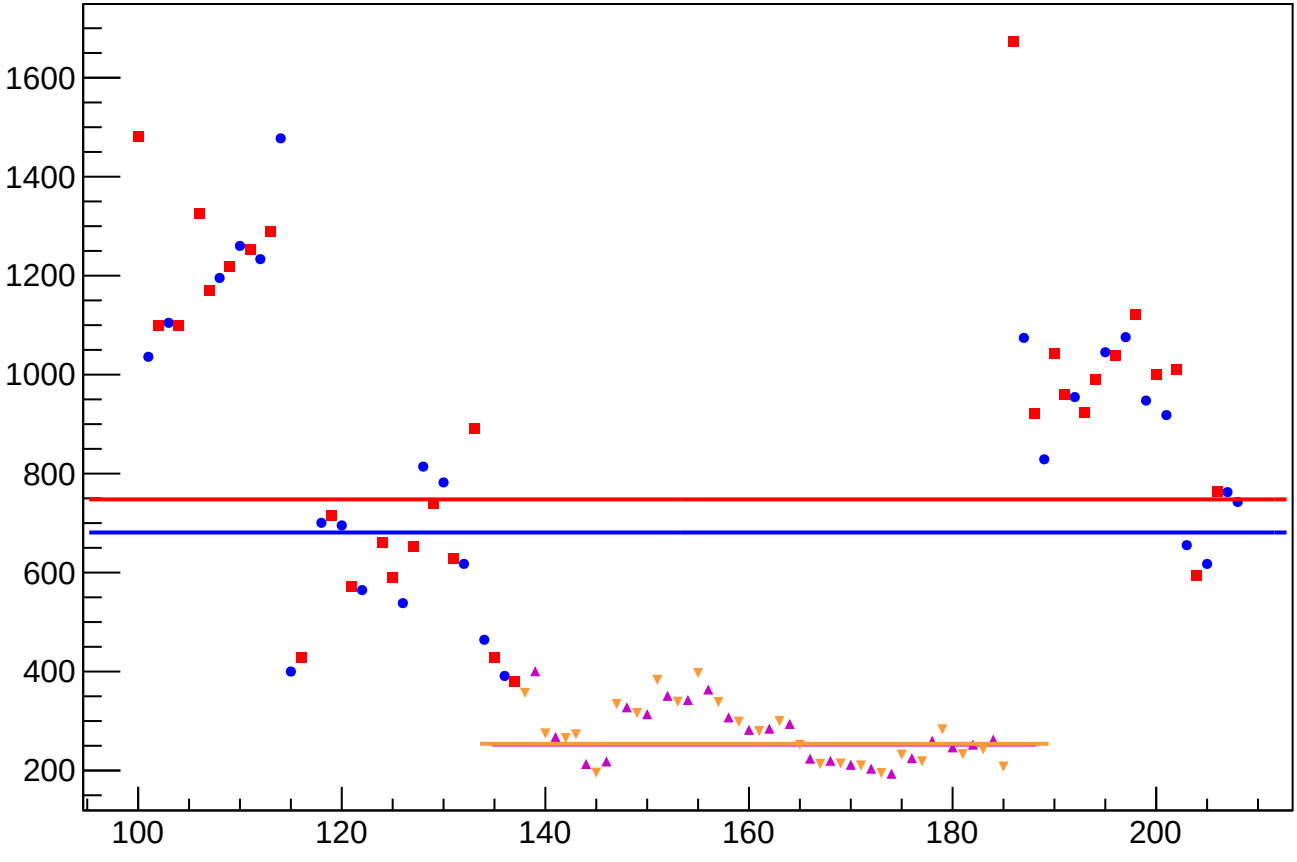
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 309.191+/-56.247 χ^2/NDF: 92.8/51

All: 174.826+/-40.272 χ^2/NDF: 154.9/105

- sign 33.486+/-57.688 χ^2/NDF: 50.4/53

asym_sam_1526_avg_rms vs Slug



Right In: 681.020+/-0.129 χ^2/NDF: 3294835.1/26

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

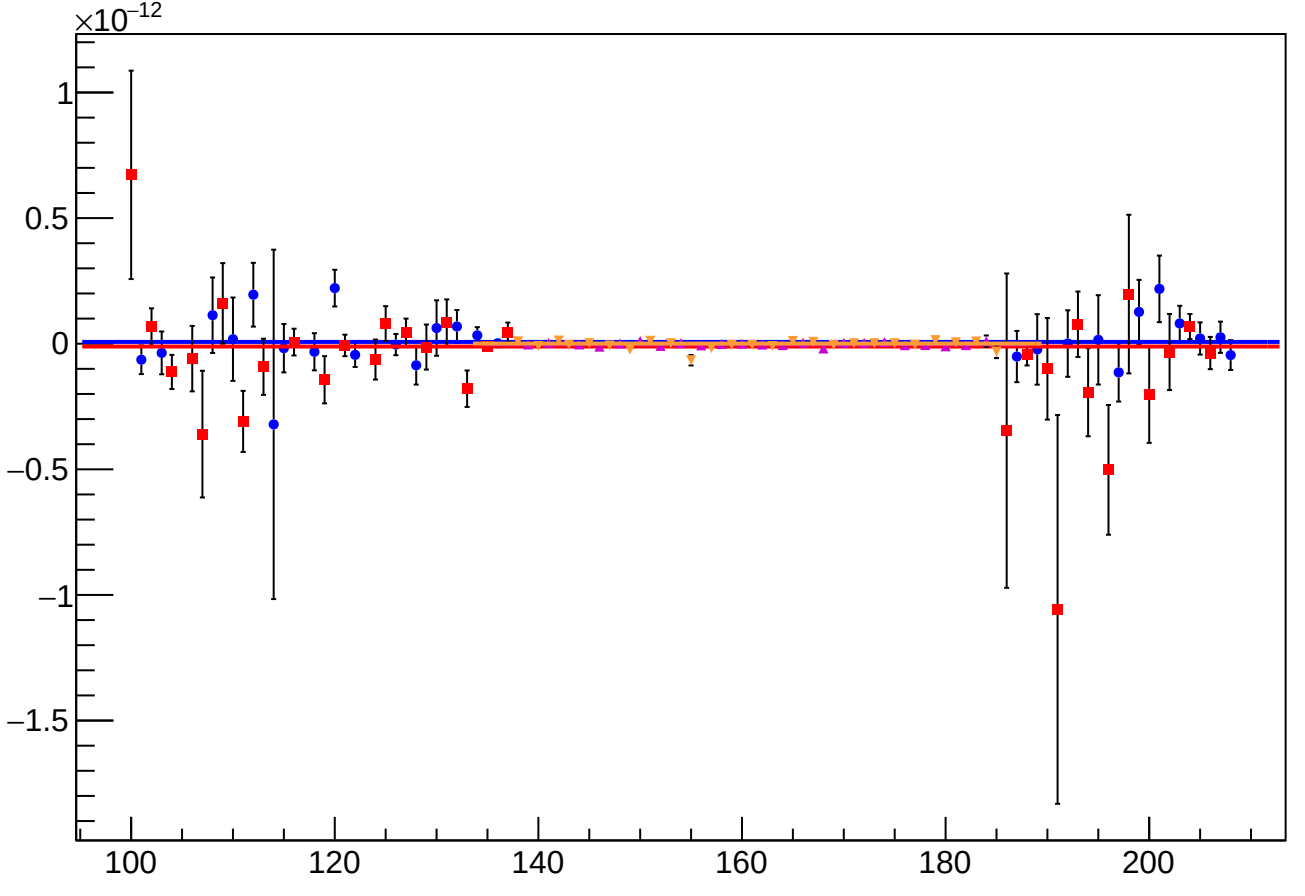
Right Out: 747.924+/-0.139 χ^2/NDF: 3580473.2/30

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 294.830+/-0.040 χ^2/NDF: 14865193.6/51

All: 295.027+/-0.028 χ^2/NDF: 31514110.7/10

- sign 295.235+/-0.041 χ^2/NDF: 16648866.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

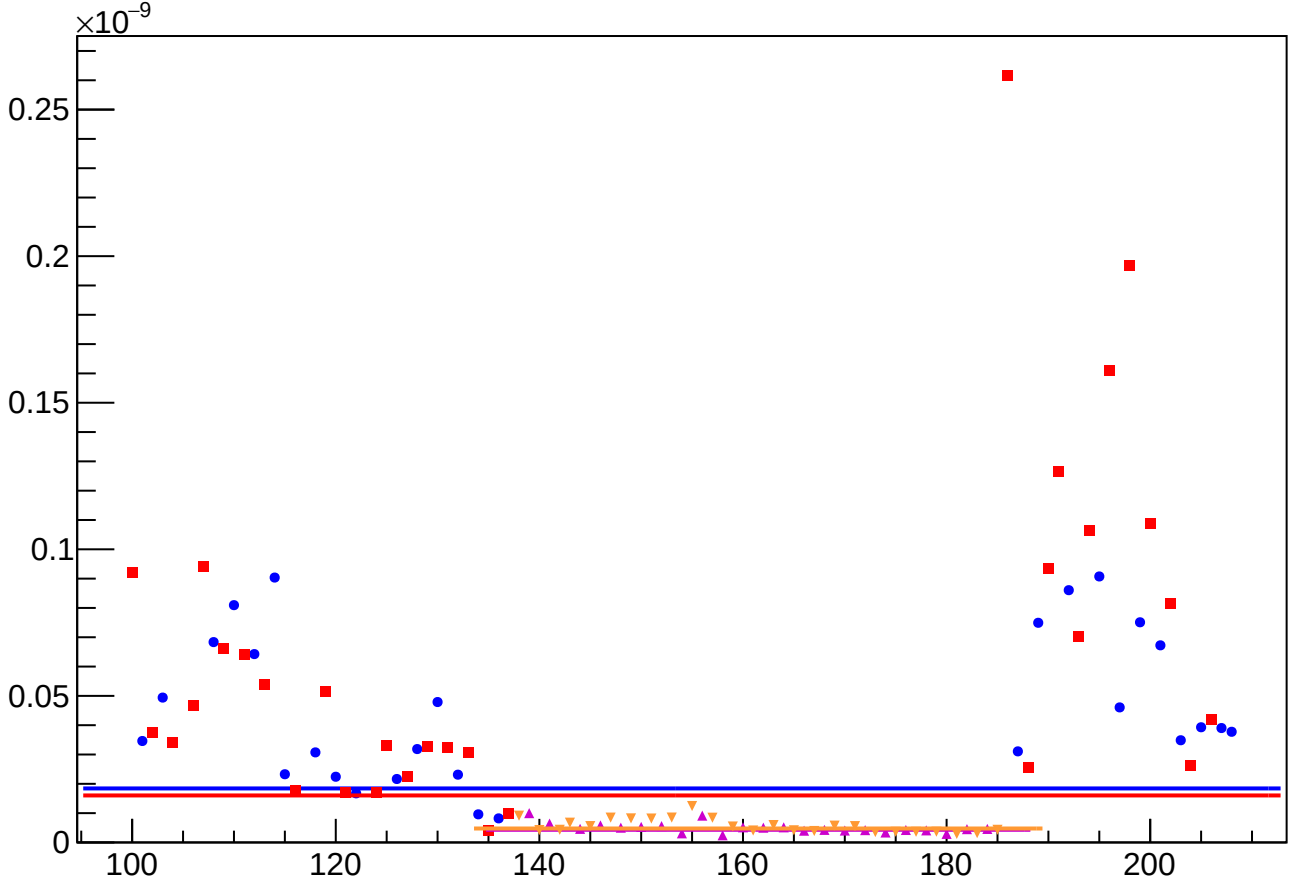
Right Out: -0.000+/-0.000 χ^2/NDF: 41.5/30

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.5/51

All: -0.000+/-0.000 χ^2/NDF: 110.0/105

- sign -0.000+/-0.000 χ^2/NDF: 56.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 5551678.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7868434.0/30

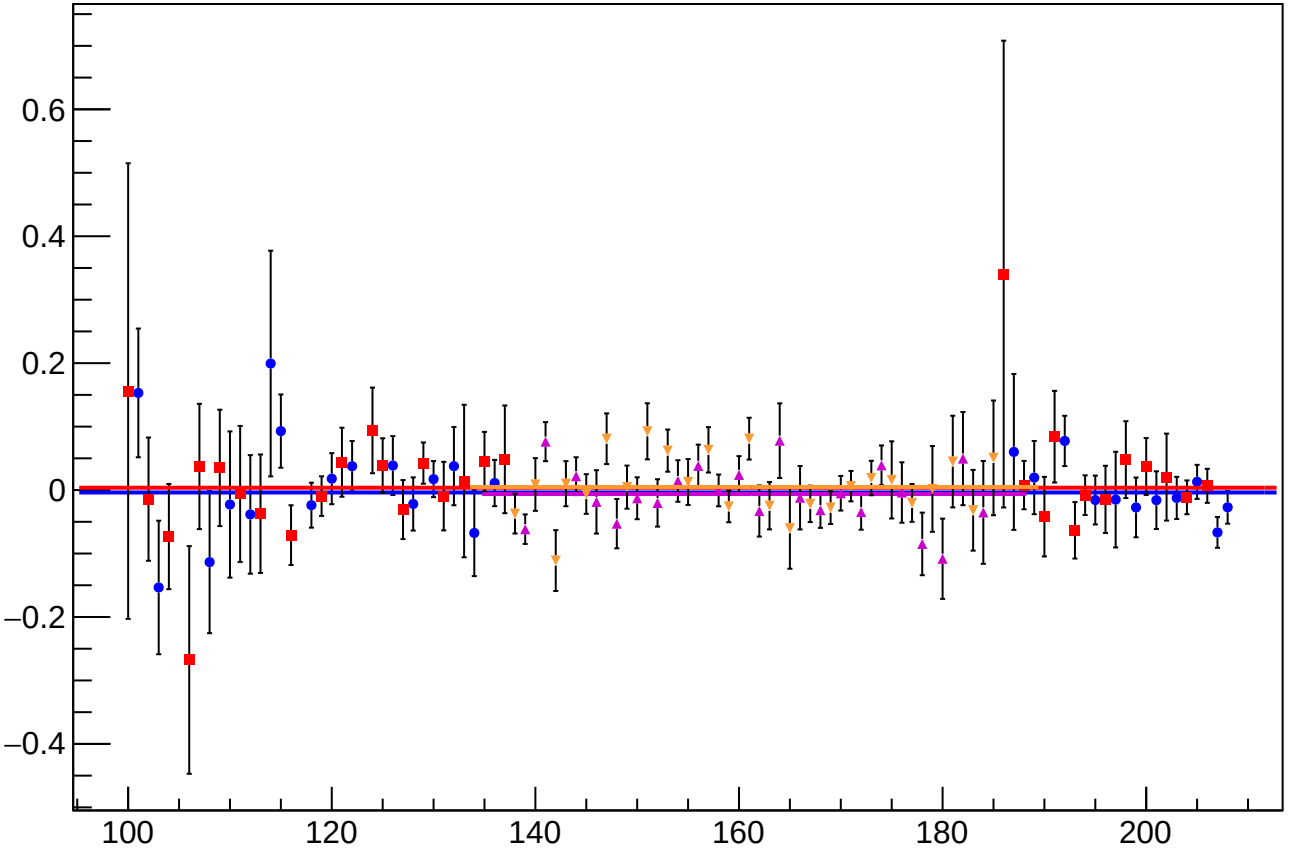
Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10923913.3/51

All: 0.000+/-0.000 χ^2/NDF: 22600911.6/105

- sign 0.000+/-0.000 χ^2/NDF: 11593170.5/53

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.008 χ^2/NDF: 27.5/26

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.004+/-0.009 χ^2/NDF: 19.2/30

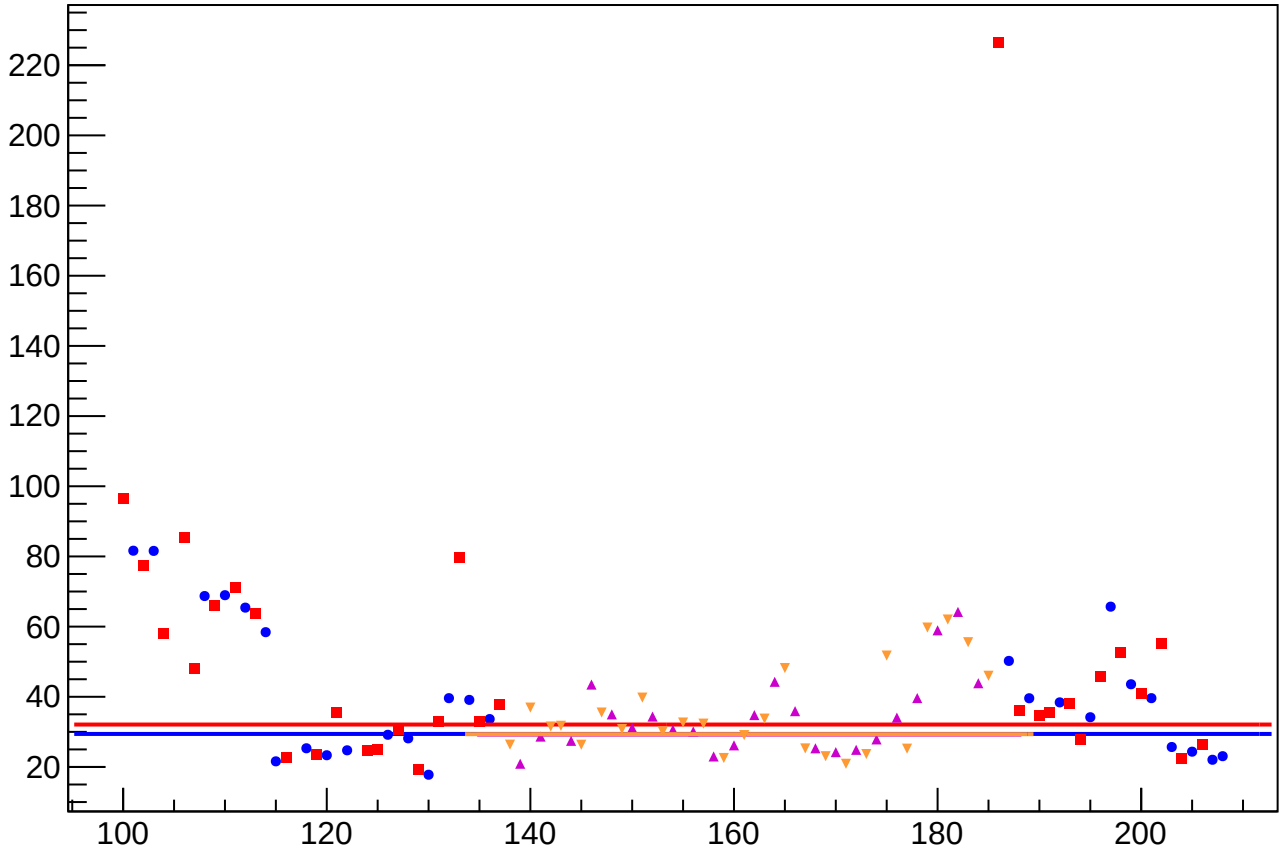
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.001+/-0.005 χ^2/NDF: 62.1/51

All: -0.000+/-0.004 χ^2/NDF: 113.3/105

- sign -0.002+/-0.006 χ^2/NDF: 50.9/53

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.411+/-0.006 χ^2/NDF: 3849088.5/26

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

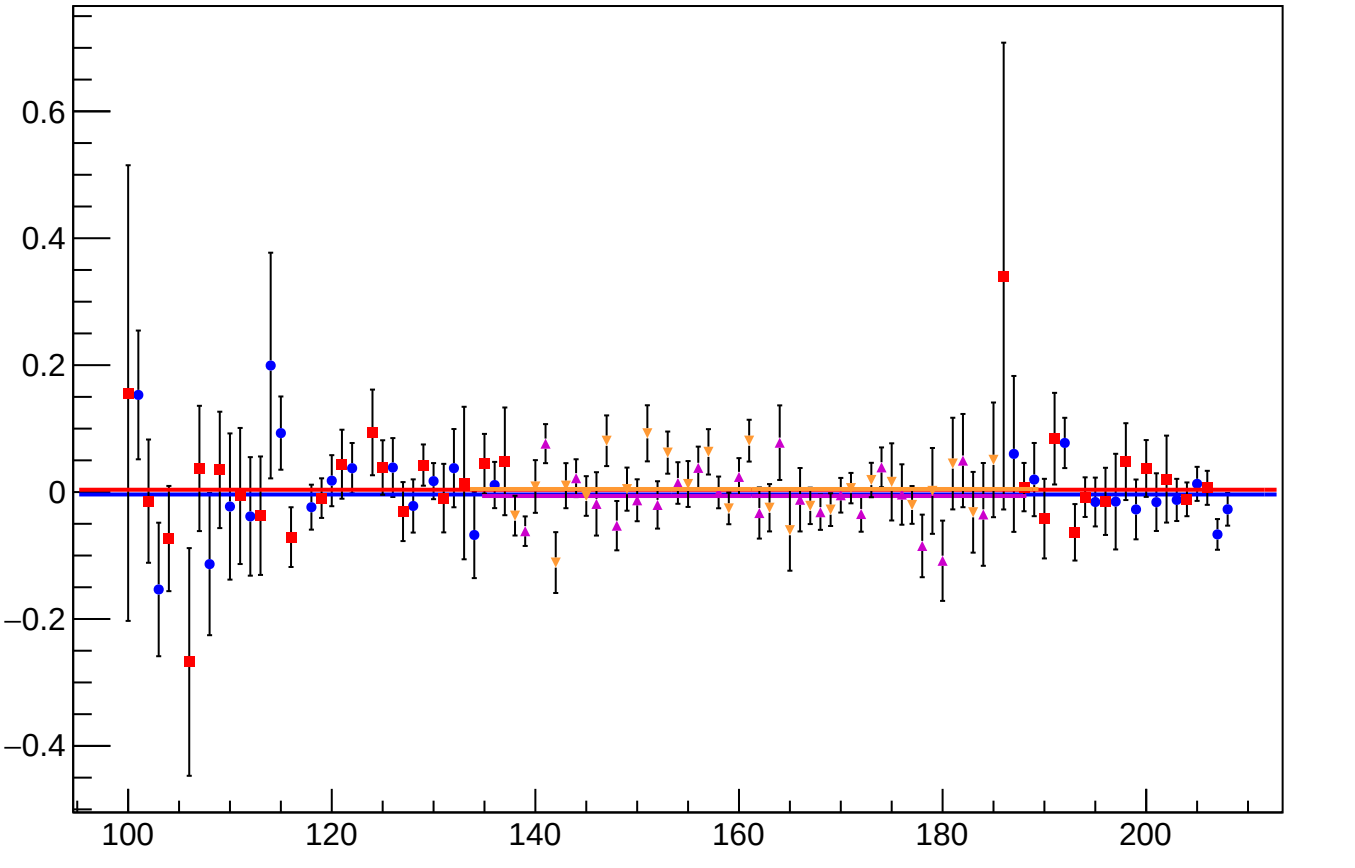
Right Out: 32.091+/-0.006 χ^2/NDF: 4351021.7/30

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.369+/-0.004 χ^2/NDF: 6536339.5/51

All: 29.845+/-0.003 χ^2/NDF: 13141425.1/105

- sign 30.365+/-0.004 χ^2/NDF: 6572423.9/53



Right In: -0.004+/-0.008 χ^2/NDF: 27.5/26

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.004+/-0.009 χ^2/NDF: 19.2/30

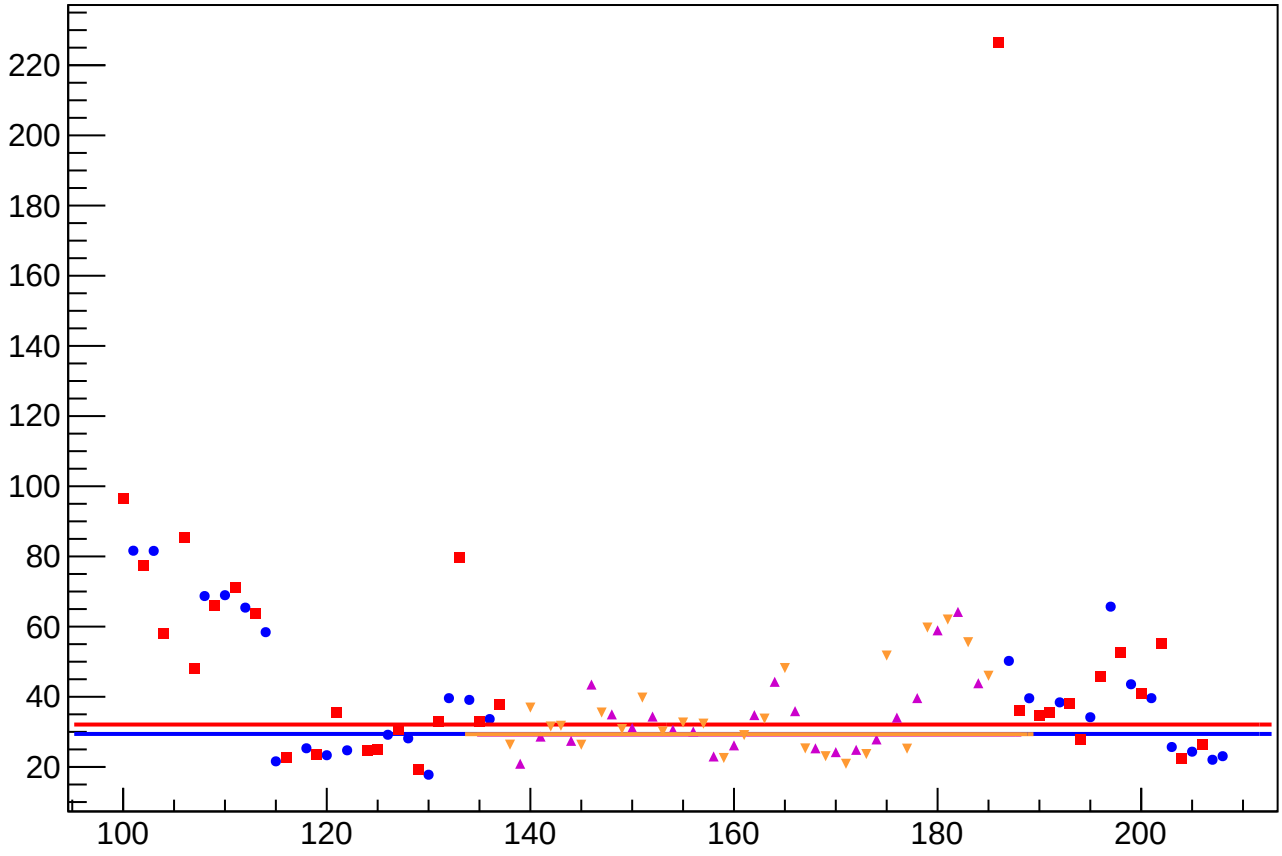
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.001+/-0.005 χ^2/NDF: 62.1/51

All: -0.000+/-0.004 χ^2/NDF: 113.3/105

- sign -0.002+/-0.006 χ^2/NDF: 50.9/53

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.411+/-0.006 χ^2/NDF: 3849088.5/26

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

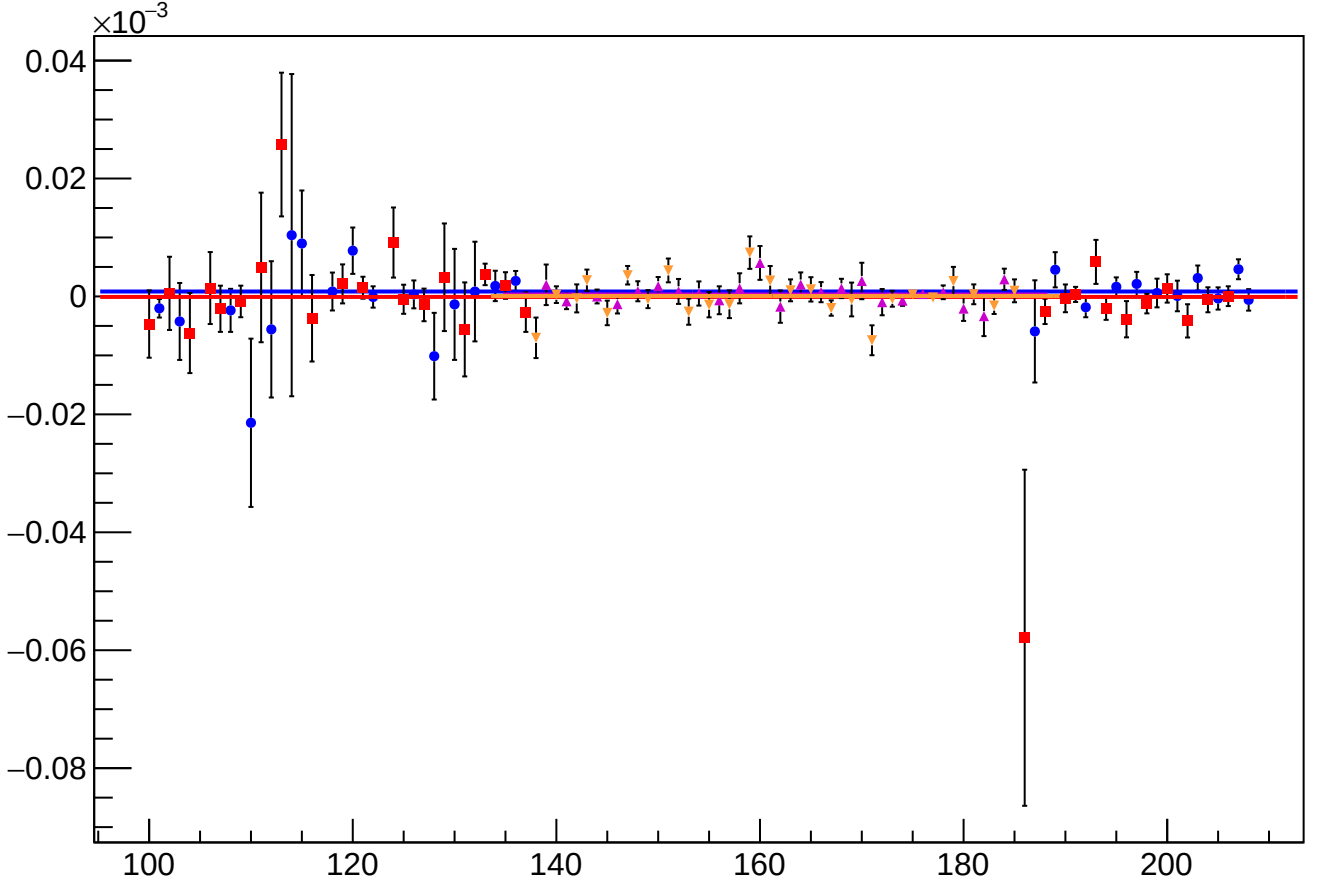
Right Out: 32.091+/-0.006 χ^2/NDF: 4351021.7/30

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

\+ sign 29.369+/-0.004 χ^2/NDF: 6536339.5/51

All: 29.845+/-0.003 χ^2/NDF: 13141425.1/105

\- sign 30.365+/-0.004 χ^2/NDF: 6572423.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

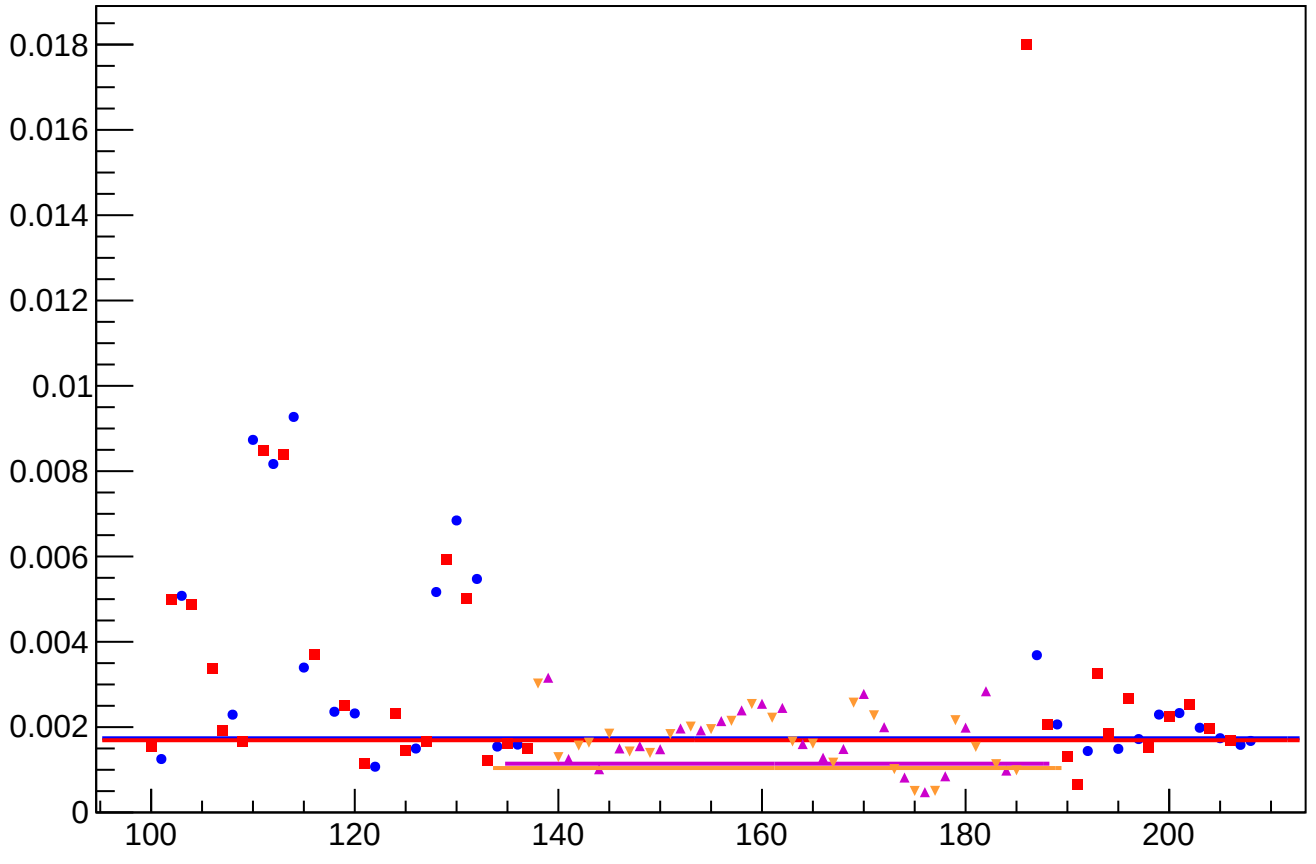
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/30

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.4/51

All: 0.000+/-0.000 χ^2/NDF: 119.9/105

- sign 0.000+/-0.000 χ^2/NDF: 46.4/53



Right In: 0.002+/-0.000 χ^2/NDF: 4422062.4/26

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

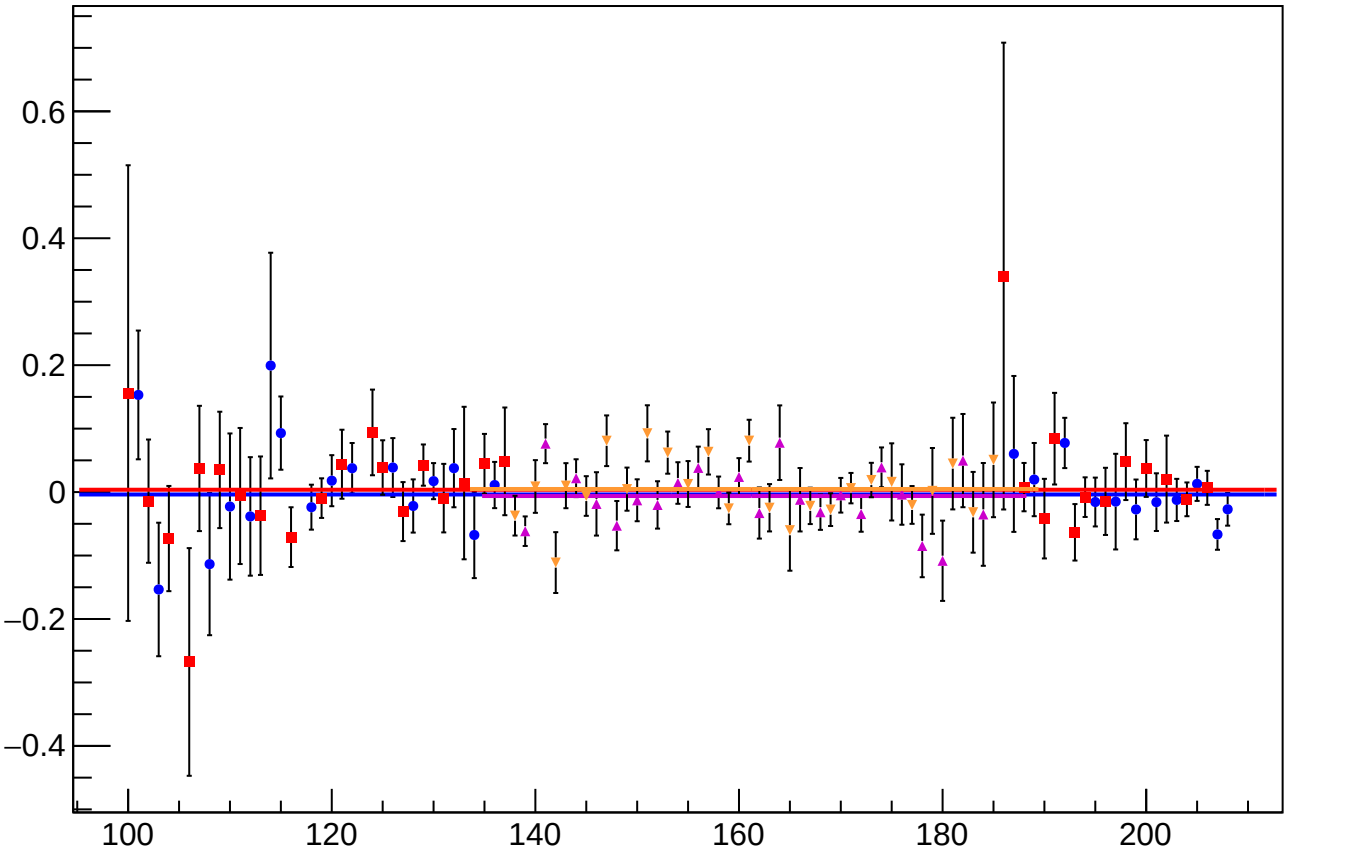
Right Out: 0.002+/-0.000 χ^2/NDF: 6769643.0/30

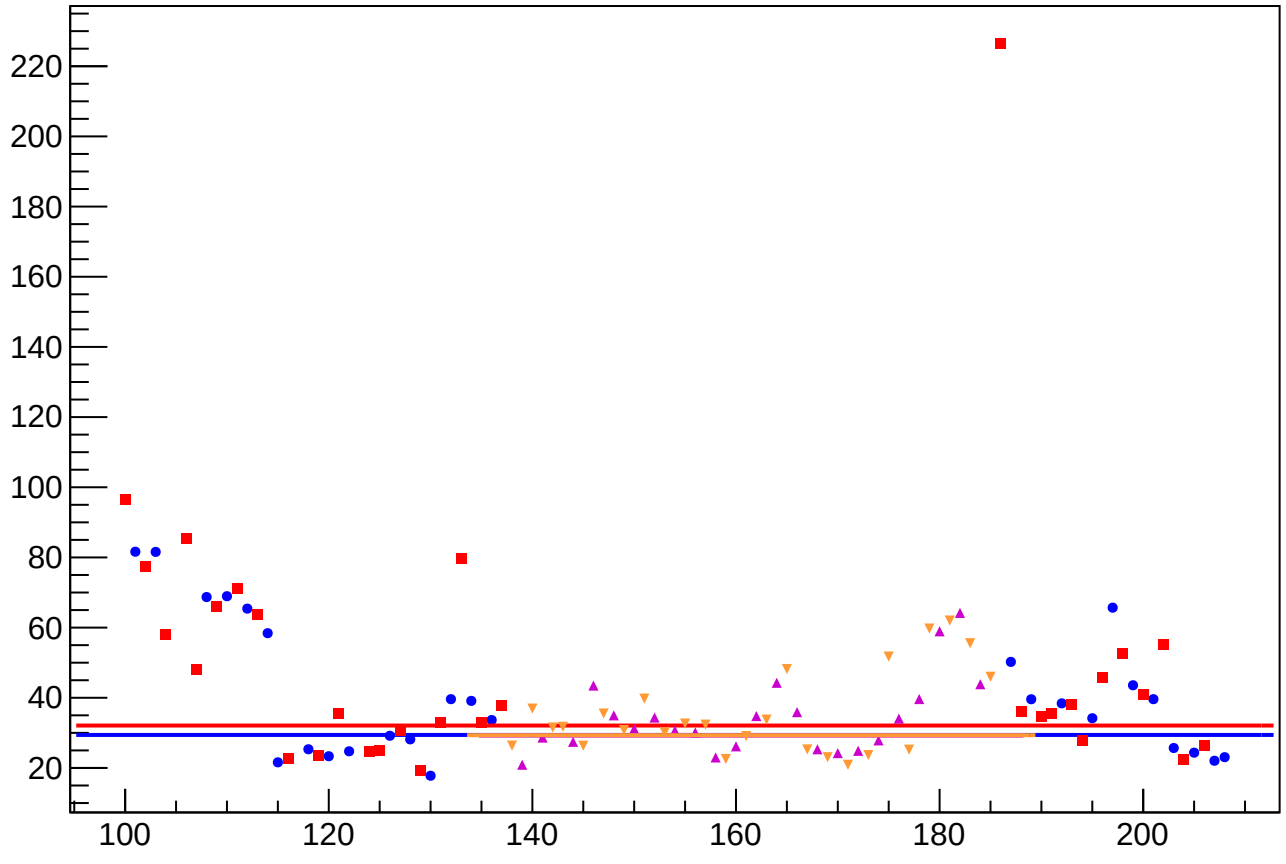
Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 17382148.1/51

All: 0.001+/-0.000 χ^2/NDF: 34421978.6/105

- sign 0.001+/-0.000 χ^2/NDF: 16912012.9/53


asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: -0.004+/-0.008 χ²/NDF: 27.5/26
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: 0.004+/-0.009 χ²/NDF: 19.2/30
Left In: -0.006+/-0.007 χ²/NDF:31.0/22
+ sign 0.001+/-0.005 χ²/NDF: 62.1/51
All: -0.000+/-0.004 χ²/NDF: 113.3/105
- sign -0.002+/-0.006 χ²/NDF: 50.9/53



Right In: 29.411+/-0.006 χ^2/NDF: 3849322.5/26

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

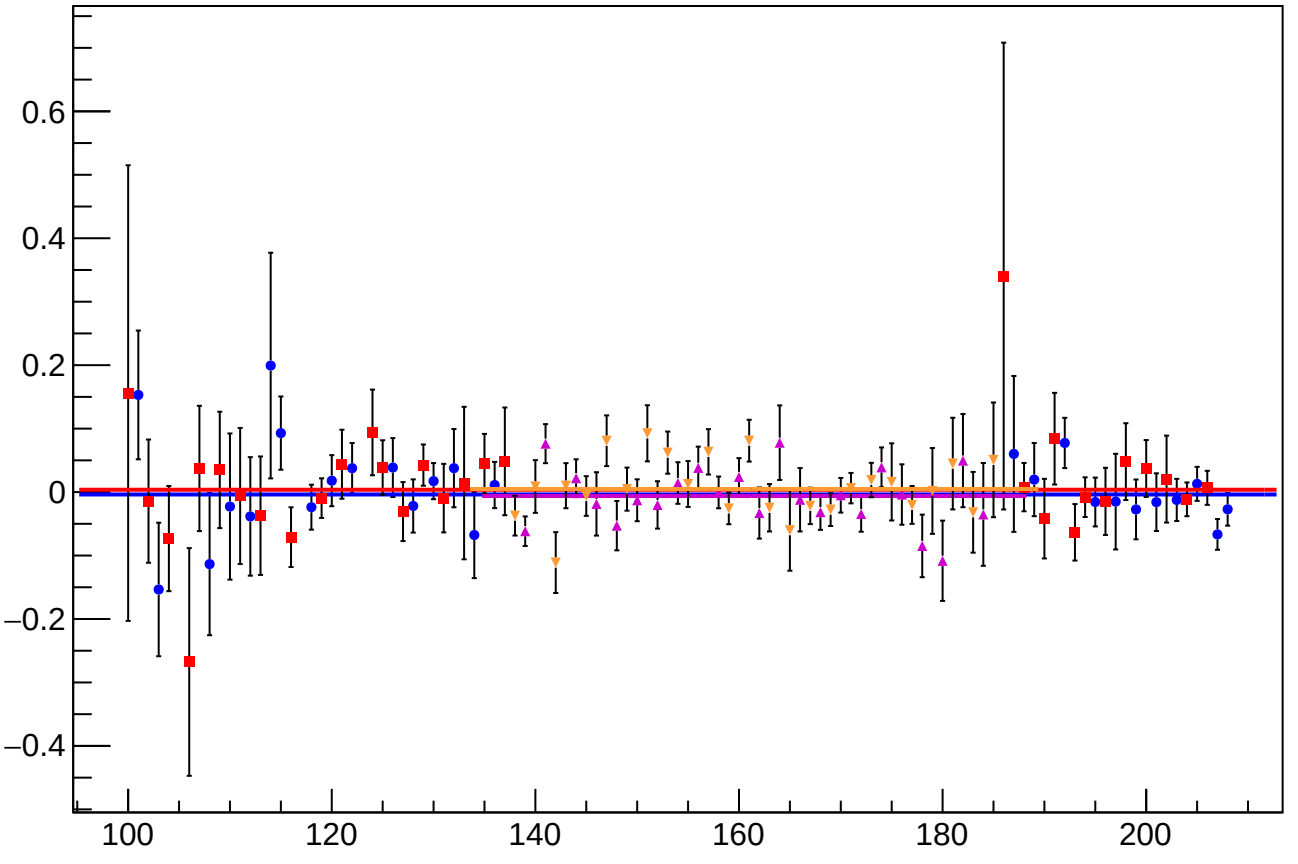
Right Out: 32.090+/-0.006 χ^2/NDF: 4351200.8/30

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.369+/-0.004 χ^2/NDF: 6536612.6/51

All: 29.845+/-0.003 χ^2/NDF: 13141777.4/105

- sign 30.365+/-0.004 χ^2/NDF: 6572487.8/53



Right In: -0.004+/-0.008 χ^2/NDF: 27.5/26

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

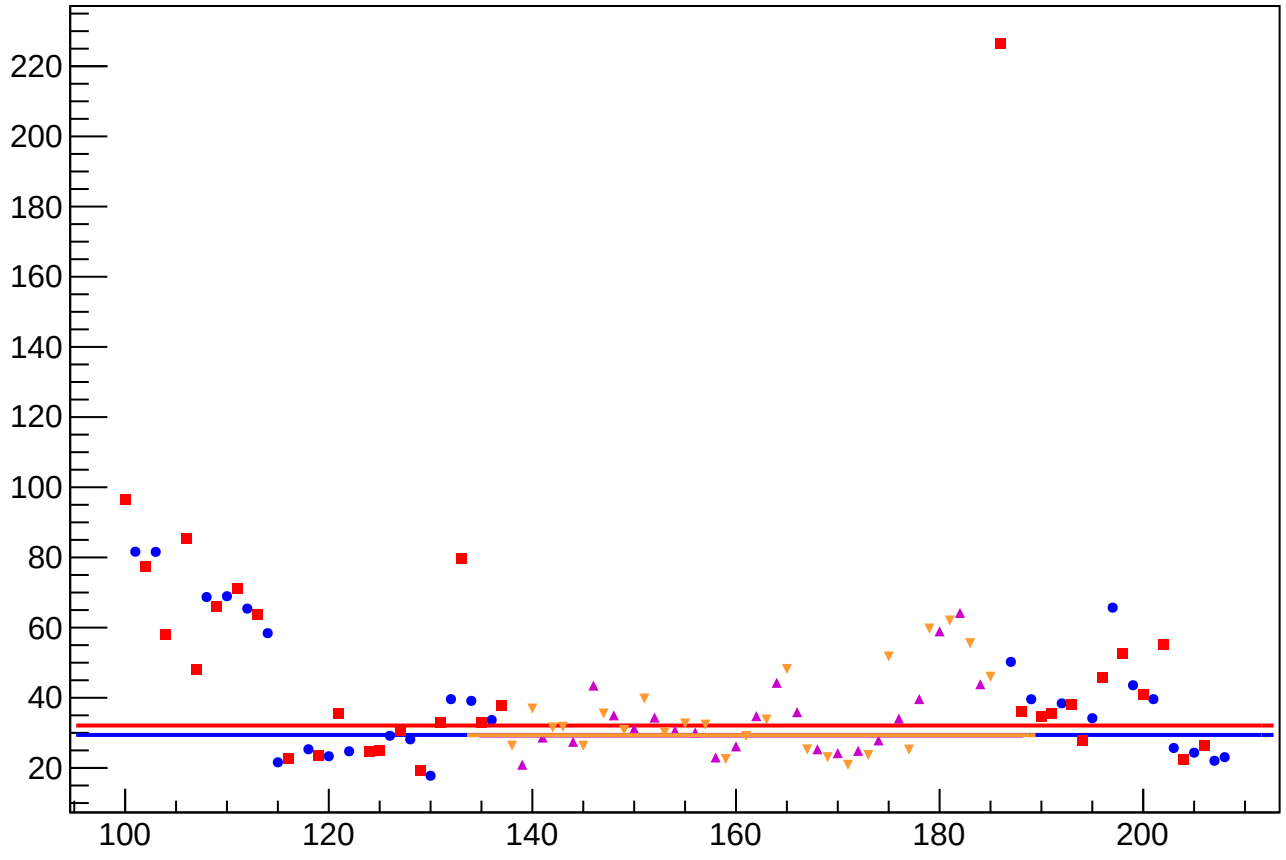
Right Out: 0.004+/-0.009 χ^2/NDF: 19.2/30

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.001+/-0.005 χ^2/NDF: 62.1/51

All: -0.000+/-0.004 χ^2/NDF: 113.3/105

- sign -0.002+/-0.006 χ^2/NDF: 50.9/53



Right In: 29.411+/-0.006 χ^2/NDF: 3849322.5/26

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

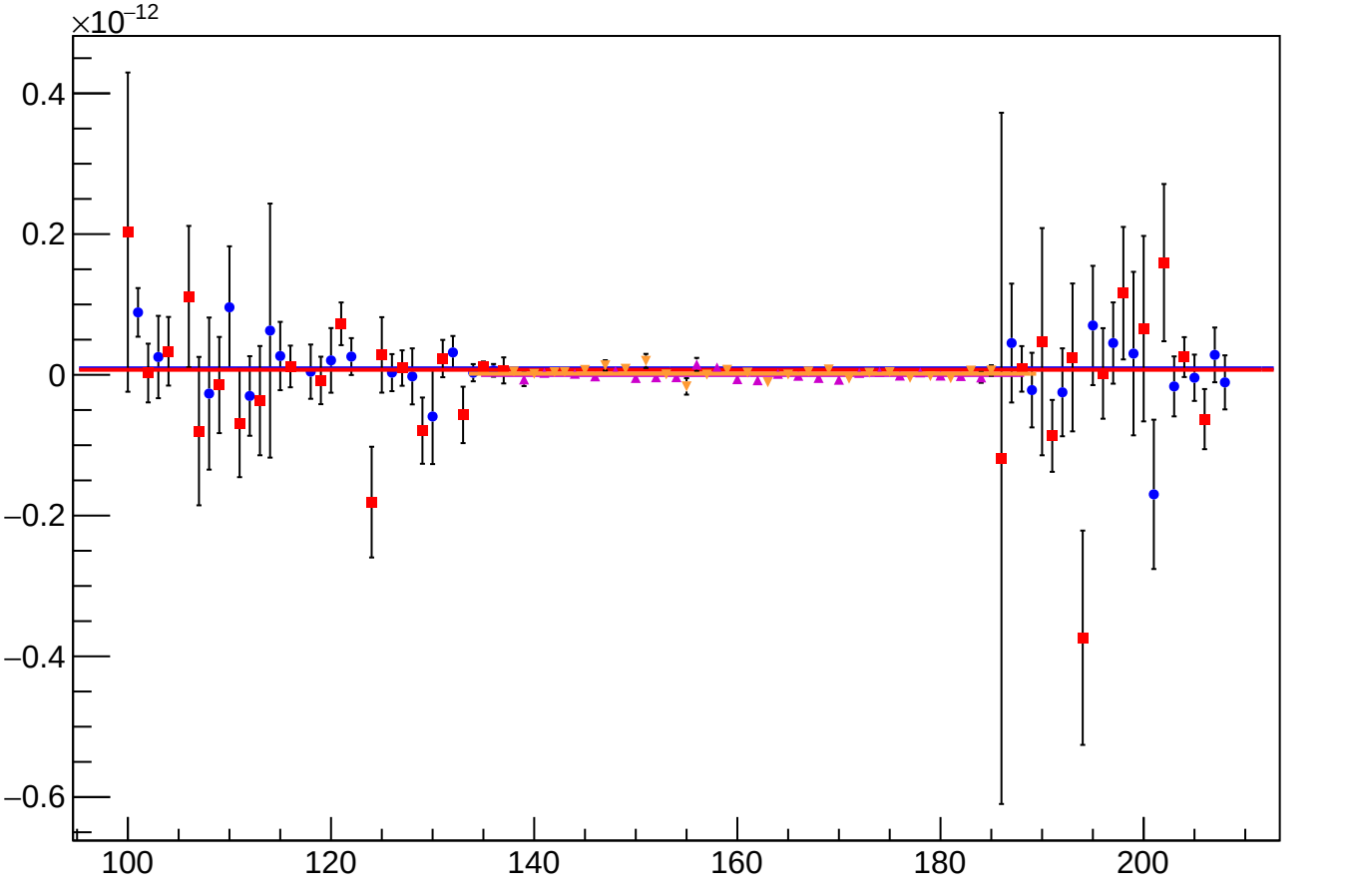
Right Out: 32.090+/-0.006 χ^2/NDF: 4351200.8/30

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.369+/-0.004 χ^2/NDF: 6536612.6/51

All: 29.845+/-0.003 χ^2/NDF: 13141777.4/105

- sign 30.365+/-0.004 χ^2/NDF: 6572487.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 15.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

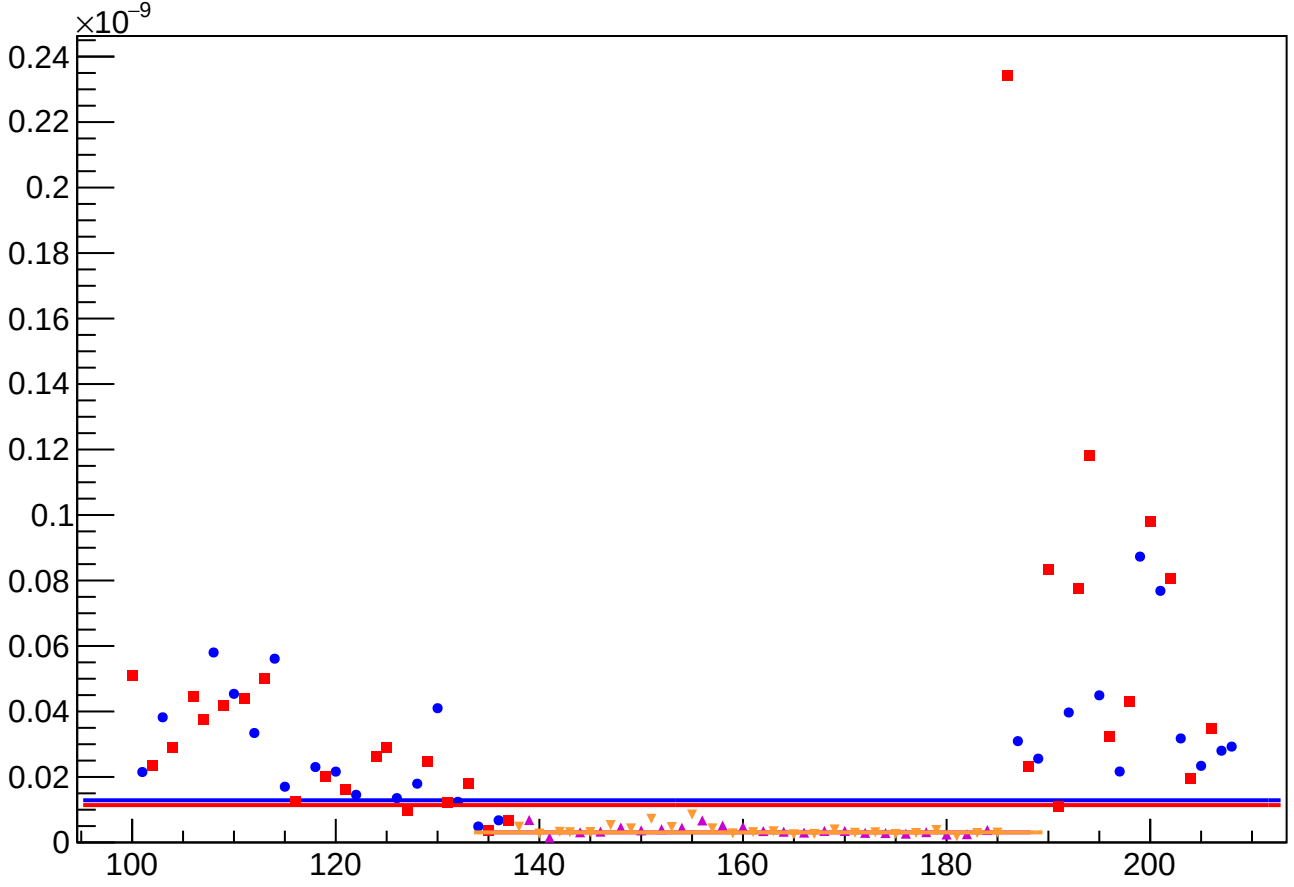
Right Out: 0.000+/-0.000 χ^2/NDF: 37.8/30

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.6/51

All: 0.000+/-0.000 χ^2/NDF: 112.4/105

- sign -0.000+/-0.000 χ^2/NDF: 58.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 7618842.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10517128.9/30

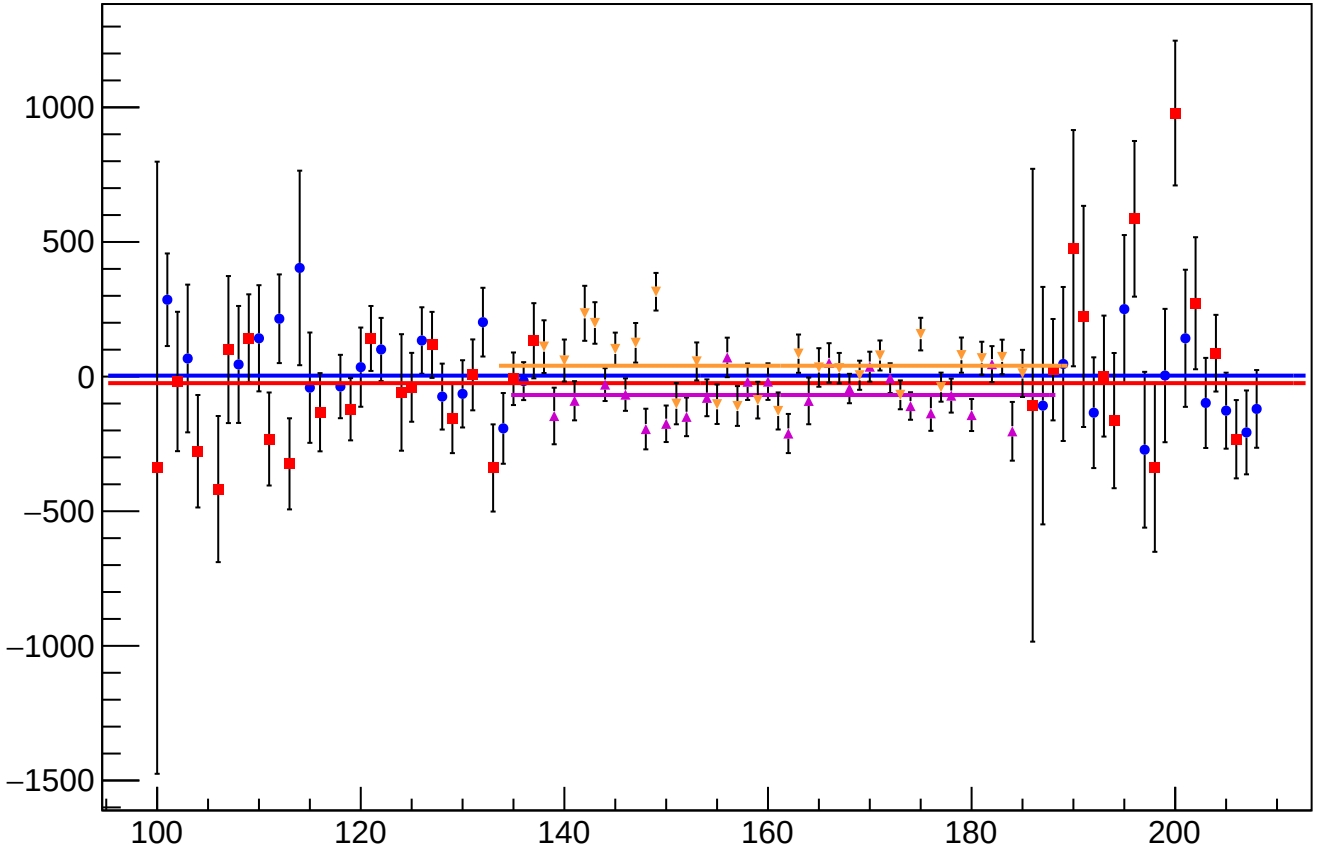
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 15627058.3/51

All: 0.000+/-0.000 χ^2/NDF: 32646498.0/105

- sign 0.000+/-0.000 χ^2/NDF: 17018944.4/53

reg_asym_sam_3726_avg_mean vs Slug



Right In: 3.622+/-29.563 χ^2/NDF: 19.9/26

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -24.294+/-30.878 χ^2/NDF: 45.7/30

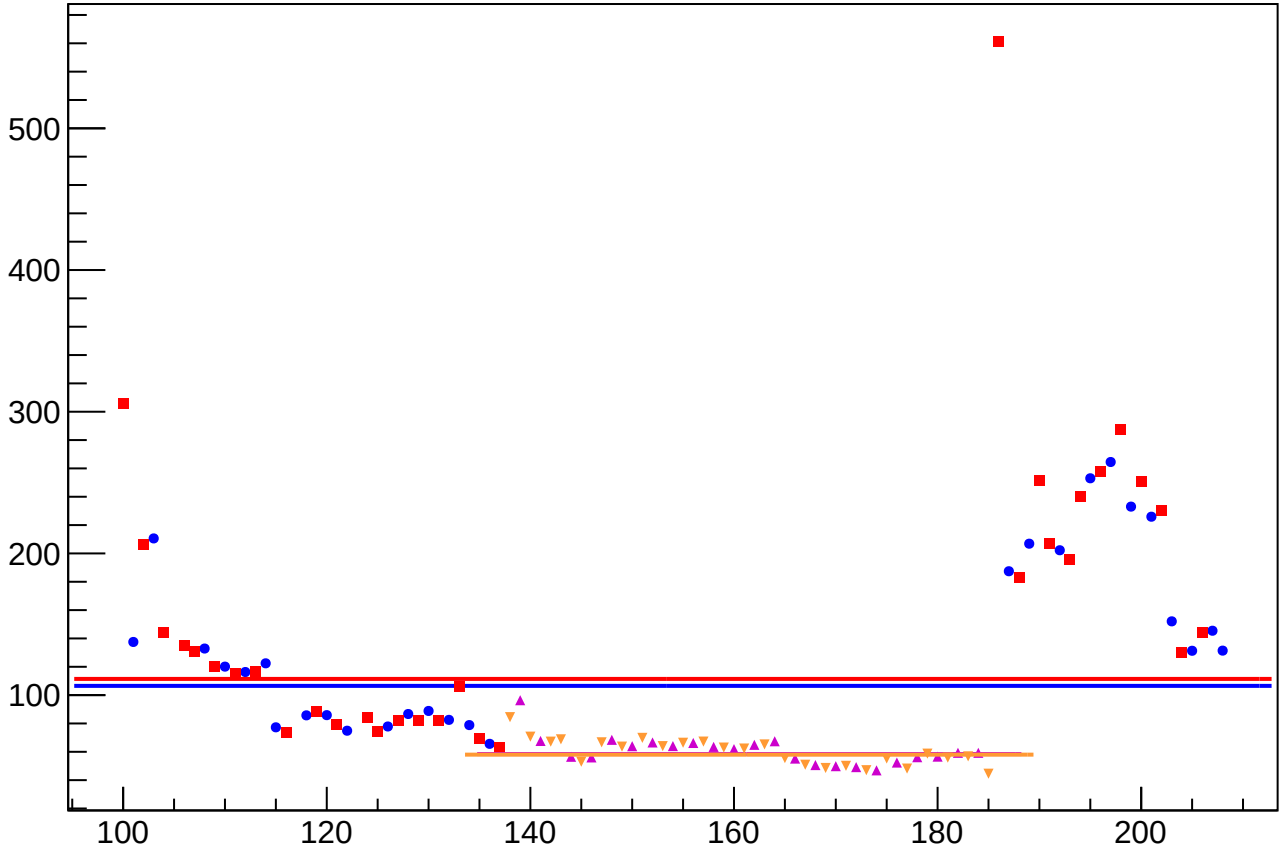
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 34.082+/-12.206 χ^2/NDF: 80.6/51

All: -11.741+/-8.784 χ^2/NDF: 189.0/105

- sign -60.952+/-12.649 χ^2/NDF: 79.2/53

reg_asym_sam_3726_avg_rms vs Slug



Right In: 106.528+/-0.021 χ^2/NDF: 4992287.3/26

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

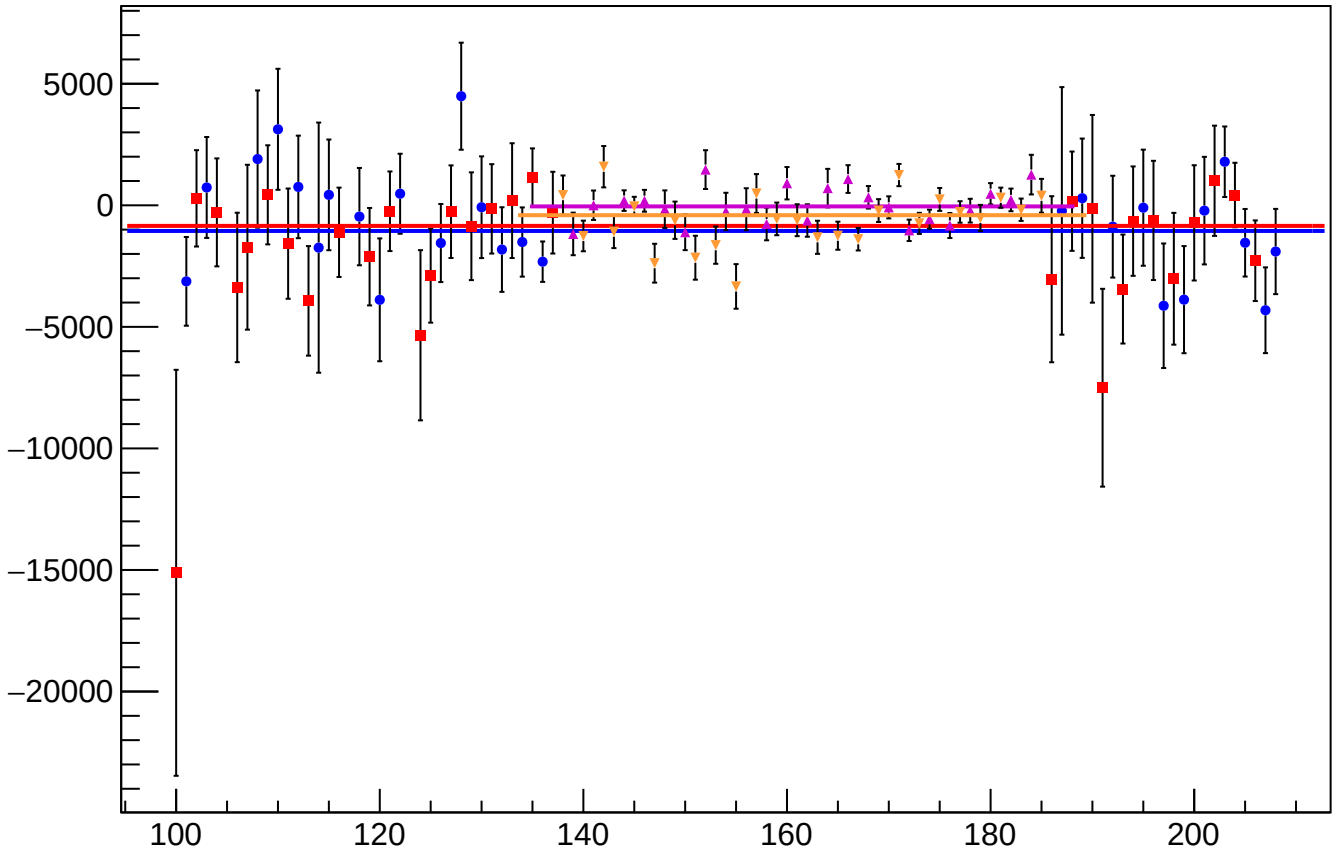
Right Out: 111.442+/-0.022 χ^2/NDF: 6112586.4/30

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 66.269+/-0.009 χ^2/NDF: 10271251.9/51

All: 66.766+/-0.006 χ^2/NDF: 22037796.8/105

- sign 67.299+/-0.009 χ^2/NDF: 11759686.5/53



Right In: -1054.369+/-354.572 χ^2/NDF: 30.0/26

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -846.286+/-377.313 χ^2/NDF: 20.8/30

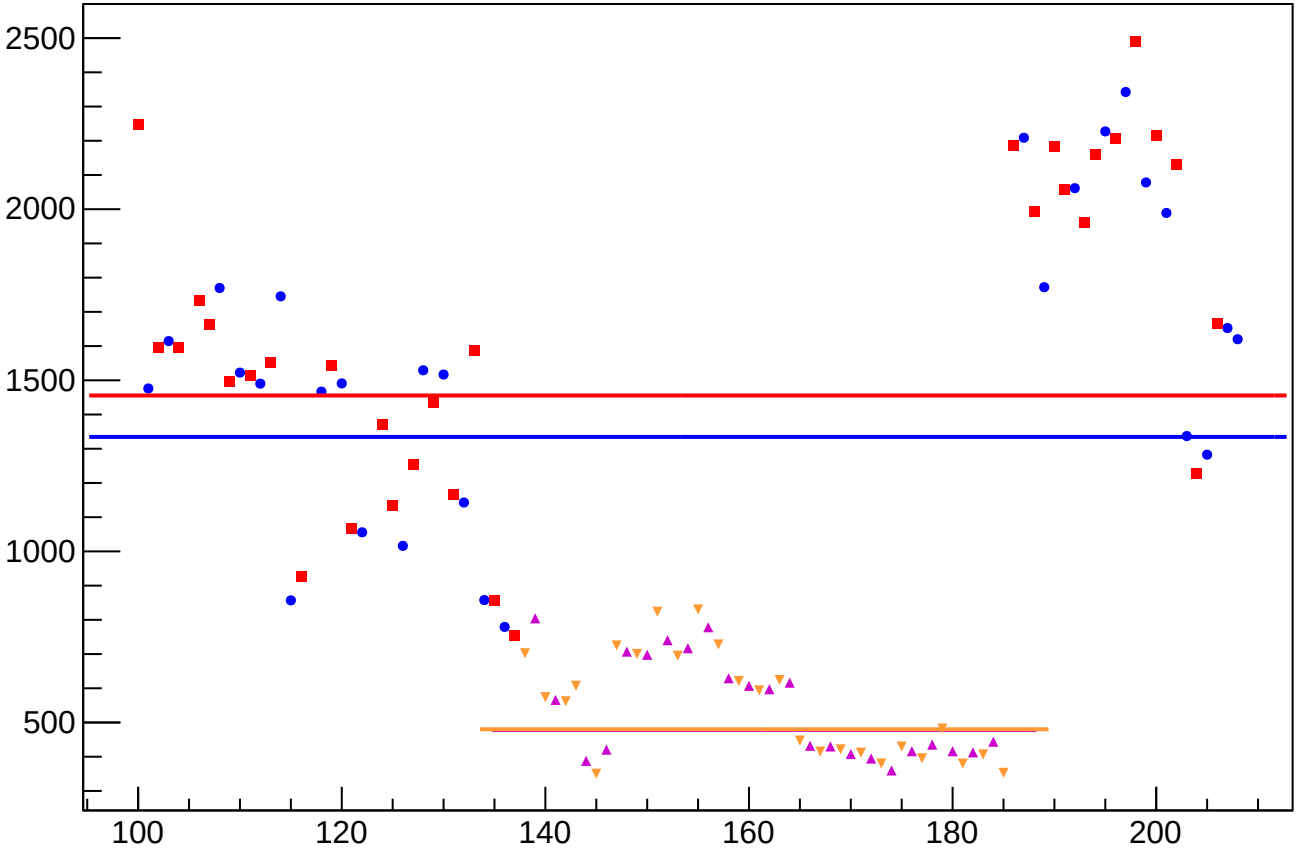
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -466.522+/-108.069 χ^2/NDF: 96.2/51

All: -294.352+/-77.320 χ^2/NDF: 157.3/105

- sign -113.785+/-110.673 χ^2/NDF: 55.9/53

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1334.578+/-0.251 χ^2/NDF: 3019944.4/26

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1455.621+/-0.267 χ^2/NDF: 2923641.1/30

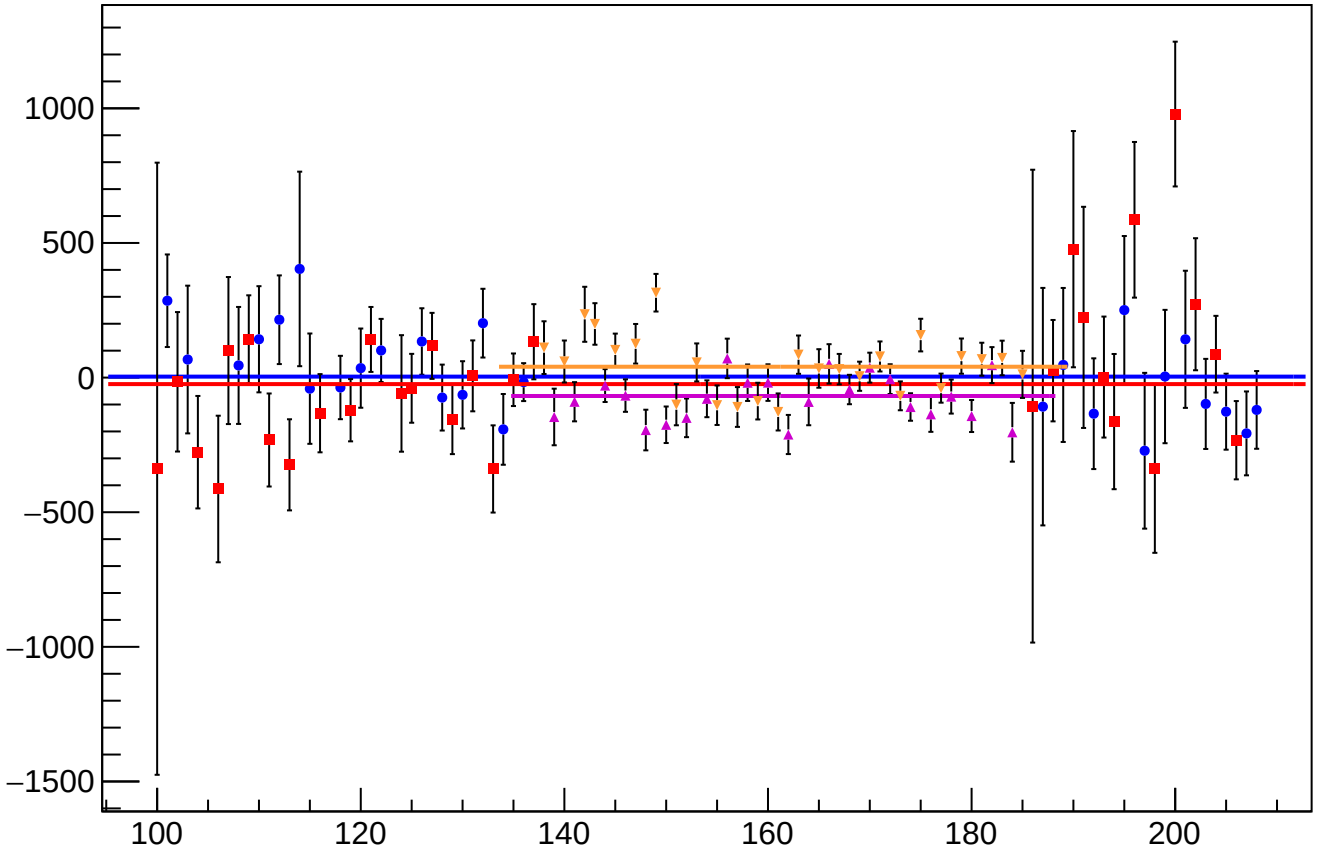
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 559.533+/-0.076 χ^2/NDF: 16136720.0/51

All: 560.828+/-0.055 χ^2/NDF: 33545835.5/10

- sign 562.187+/-0.078 χ^2/NDF: 17408526.6/53

cor_asym_sam_3726_avg_mean vs Slug



Right In: 3.611+/-29.563 χ^2/NDF: 19.9/26

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -24.176+/-30.879 χ^2/NDF: 45.7/30

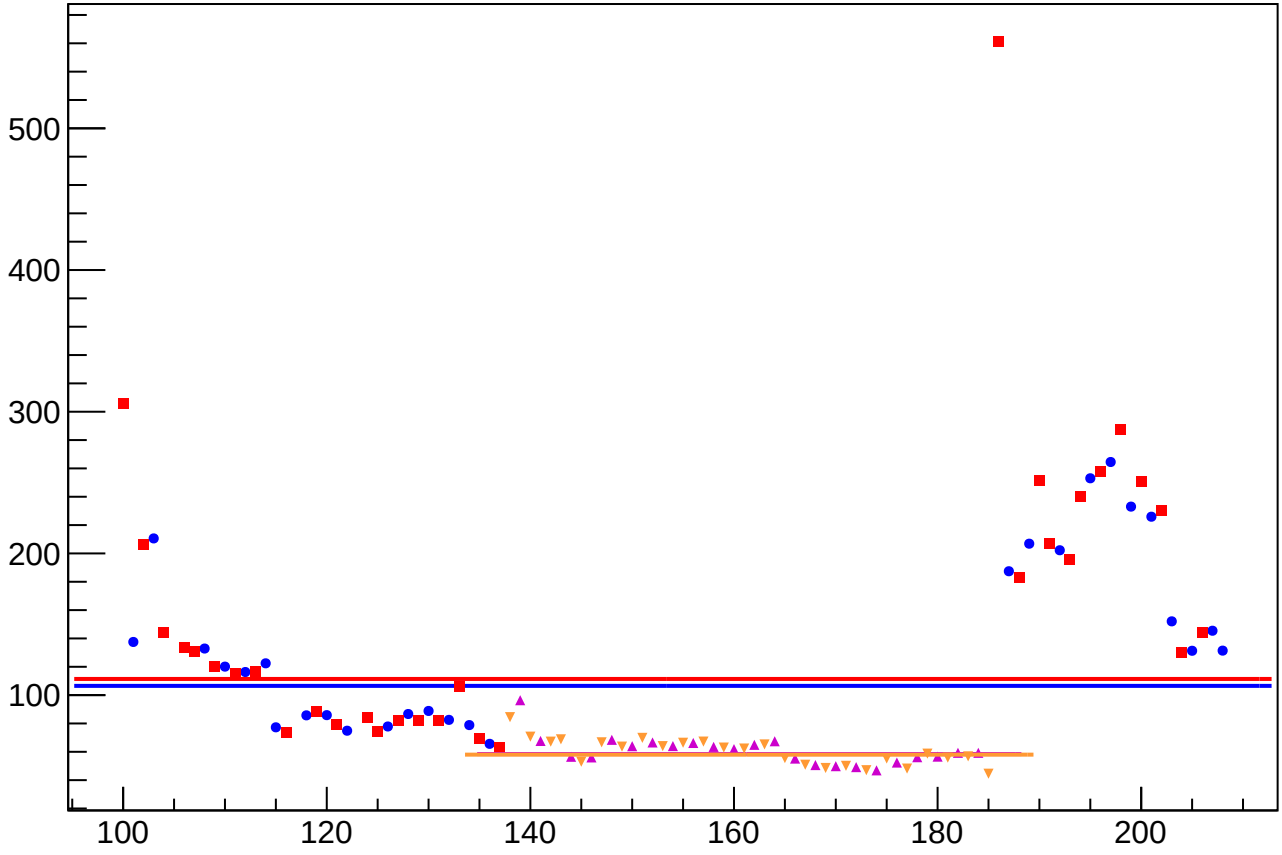
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 34.082+/-12.206 χ^2/NDF: 80.6/51

All: -11.731+/-8.784 χ^2/NDF: 189.0/105

- sign -60.932+/-12.649 χ^2/NDF: 79.1/53

cor_asym_sam_3726_avg_rms vs Slug



Right In: 106.528+/-0.021 χ^2/NDF: 4992290.3/26

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

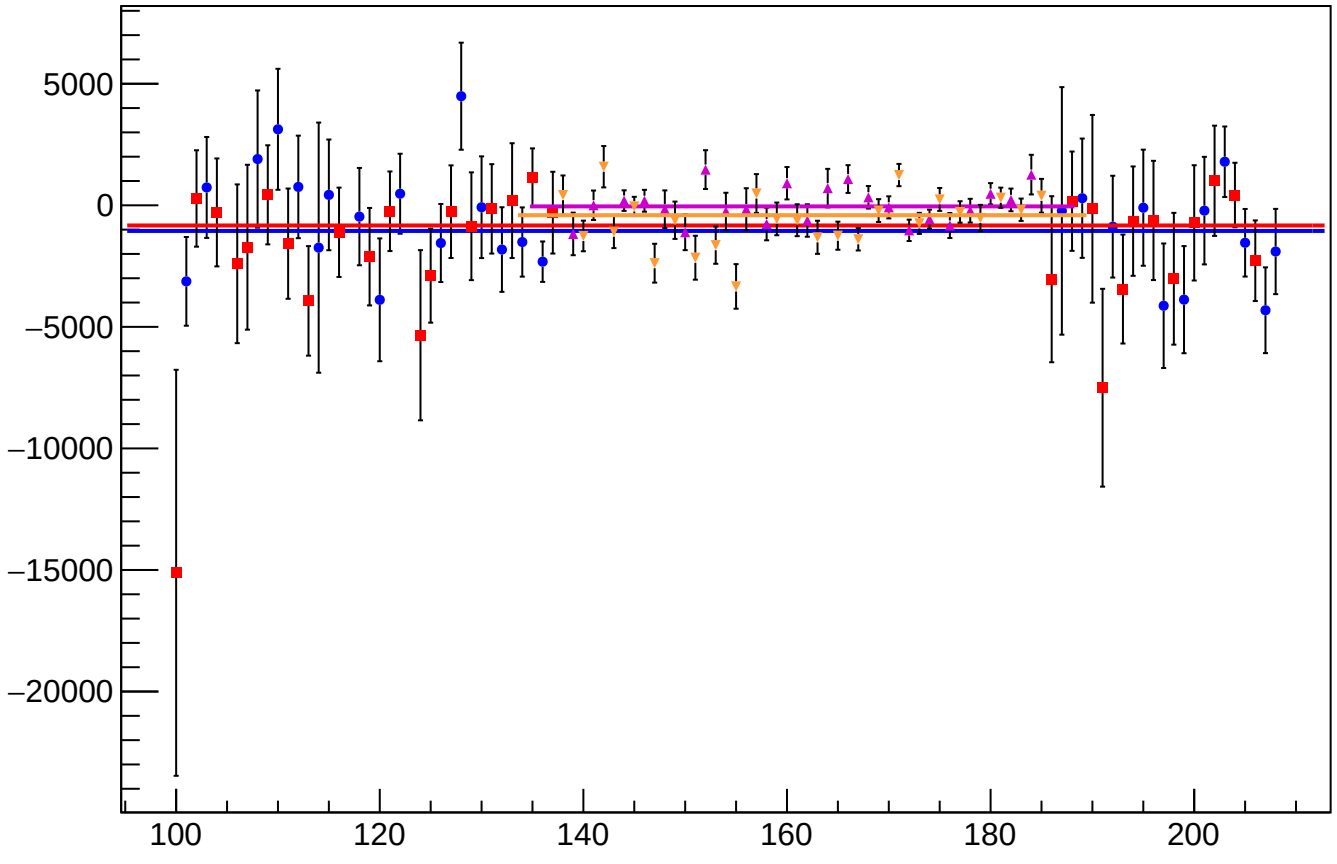
Right Out: 111.415+/-0.022 χ^2/NDF: 6110401.1/30

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

\+ sign 66.269+/-0.009 χ^2/NDF: 10271254.1/51

All: 66.763+/-0.006 χ^2/NDF: 22030141.5/105

\- sign 67.293+/-0.009 χ^2/NDF: 11752098.8/53



Right In: -1054.351+/-354.573 χ^2/NDF: 30.0/26

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -829.189+/-377.647 χ^2/NDF: 20.3/30

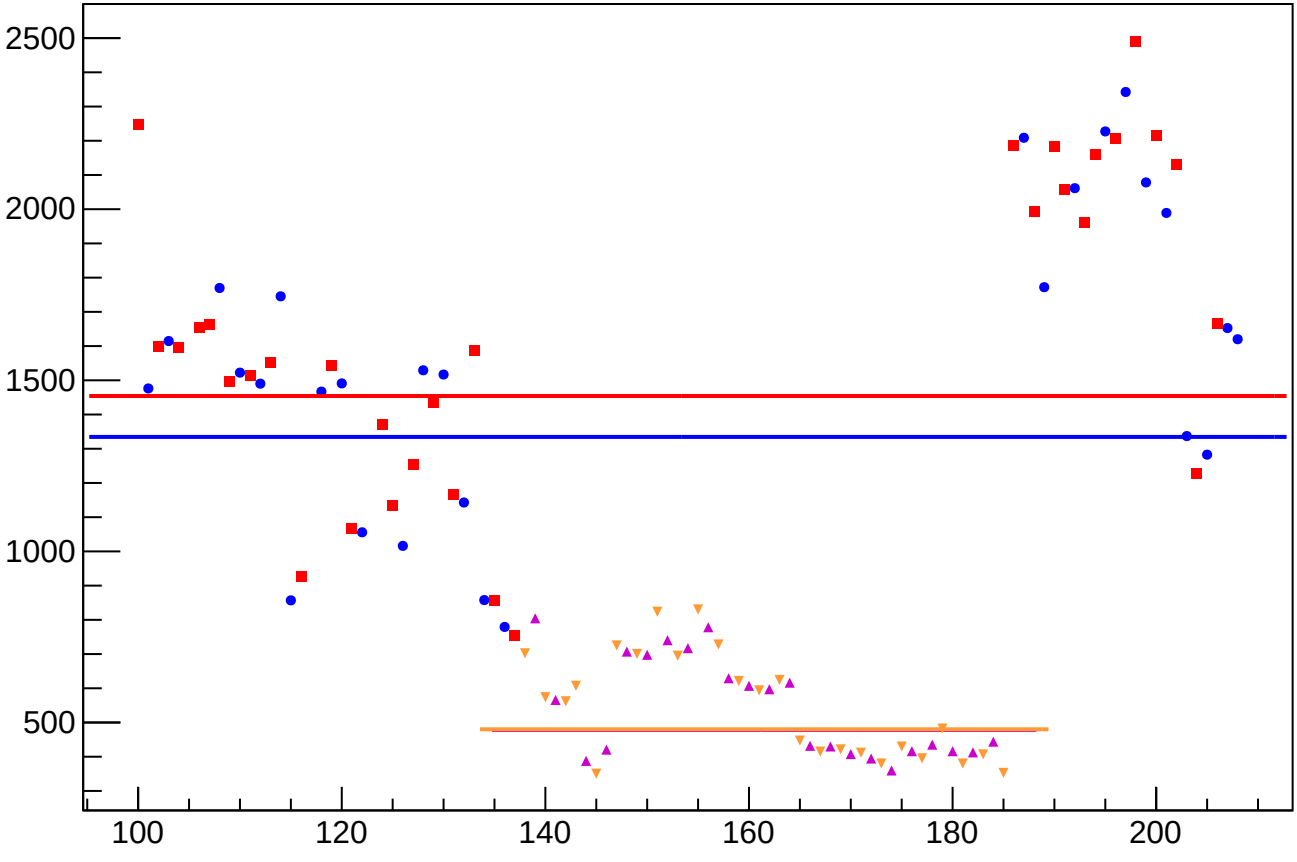
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -466.518+/-108.069 χ^2/NDF: 96.2/51

All: -293.592+/-77.323 χ^2/NDF: 156.7/105

- sign -112.204+/-110.681 χ^2/NDF: 55.3/53

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1334.580+/-0.251 χ^2/NDF: 3019973.0/26

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1454.135+/-0.267 χ^2/NDF: 2914911.8/30

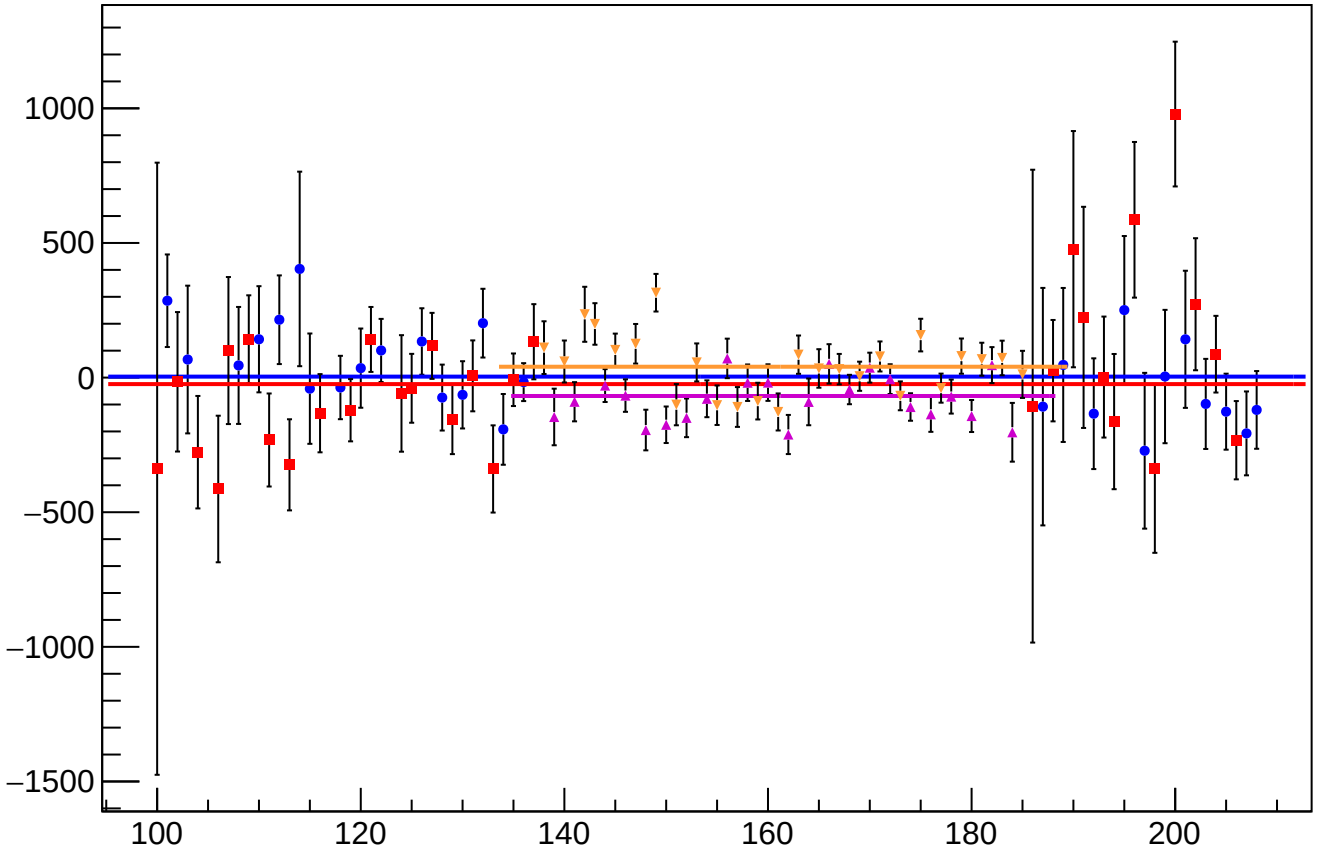
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 559.532+/-0.076 χ^2/NDF: 16136748.4/51

All: 560.699+/-0.055 χ^2/NDF: 33479964.8/10

- sign 561.923+/-0.078 χ^2/NDF: 17342738.5/53

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 3.611+/-29.563 χ^2/NDF: 19.9/26

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -24.176+/-30.879 χ^2/NDF: 45.7/30

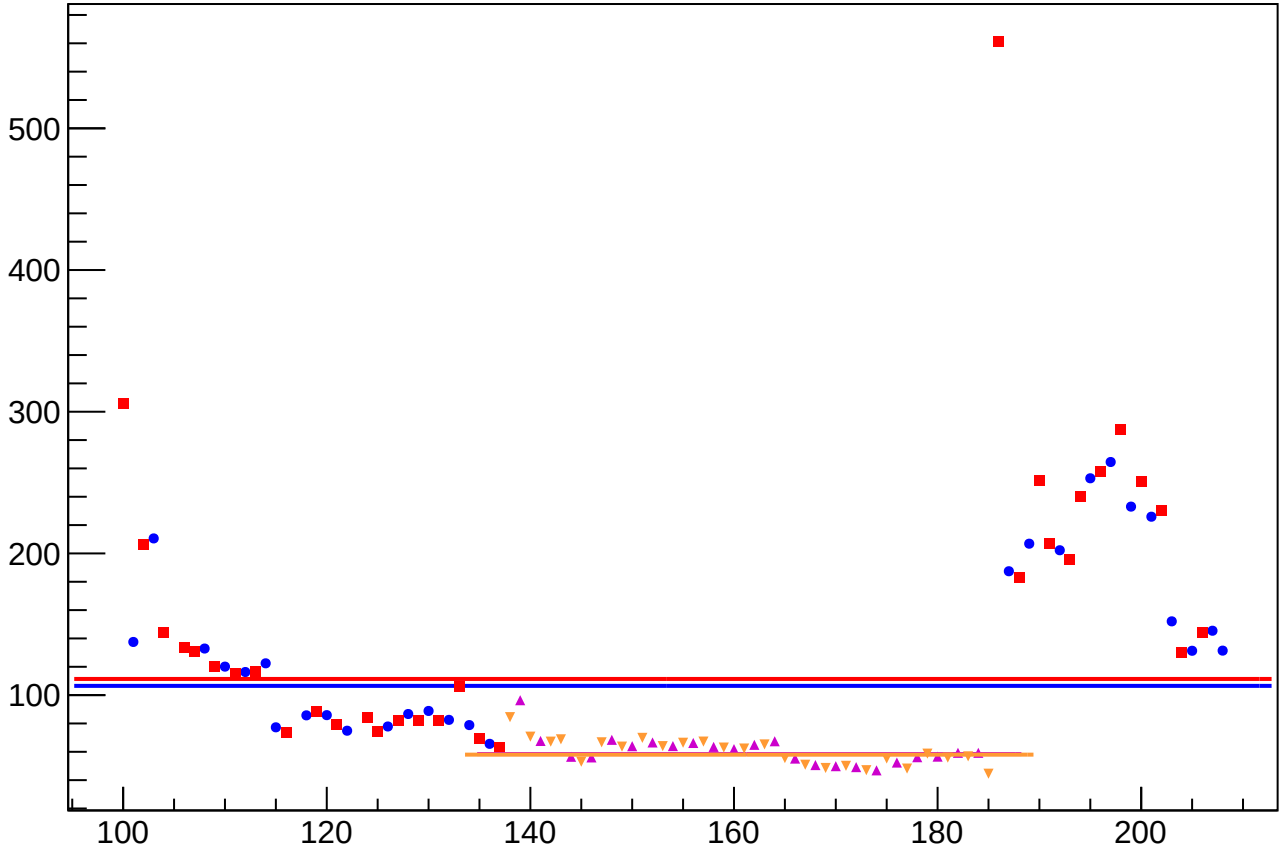
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 34.082+/-12.206 χ^2/NDF: 80.6/51

All: -11.731+/-8.784 χ^2/NDF: 189.0/105

- sign -60.932+/-12.649 χ^2/NDF: 79.1/53

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 106.528+/-0.021 χ^2/NDF: 4992290.3/26

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

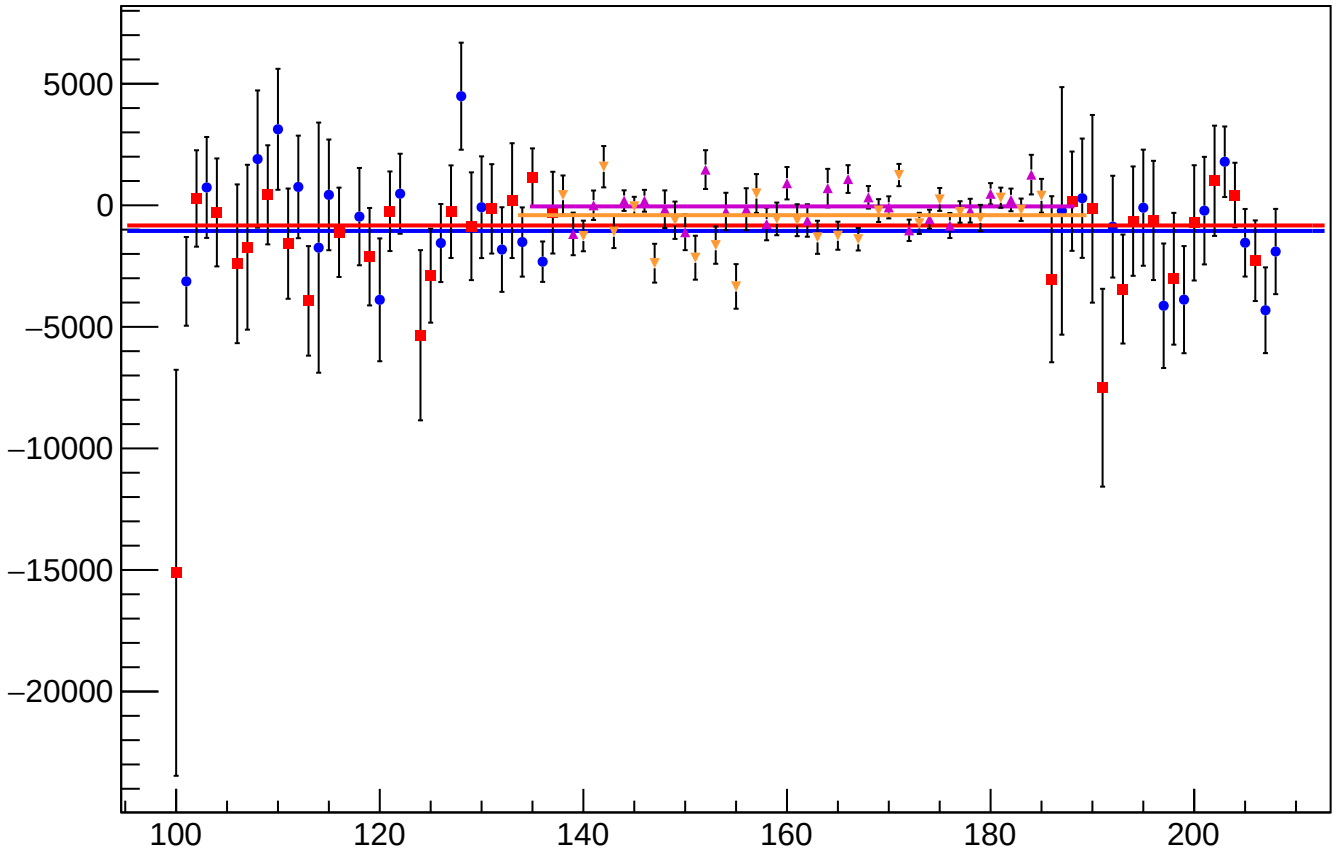
Right Out: 111.415+/-0.022 χ^2/NDF: 6110401.1/30

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 66.269+/-0.009 χ^2/NDF: 10271254.1/51

All: 66.763+/-0.006 χ^2/NDF: 22030141.5/105

- sign 67.293+/-0.009 χ^2/NDF: 11752098.8/53



Right In: -1054.351+/-354.573 χ^2/NDF: 30.0/26

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -829.189+/-377.647 χ^2/NDF: 20.3/30

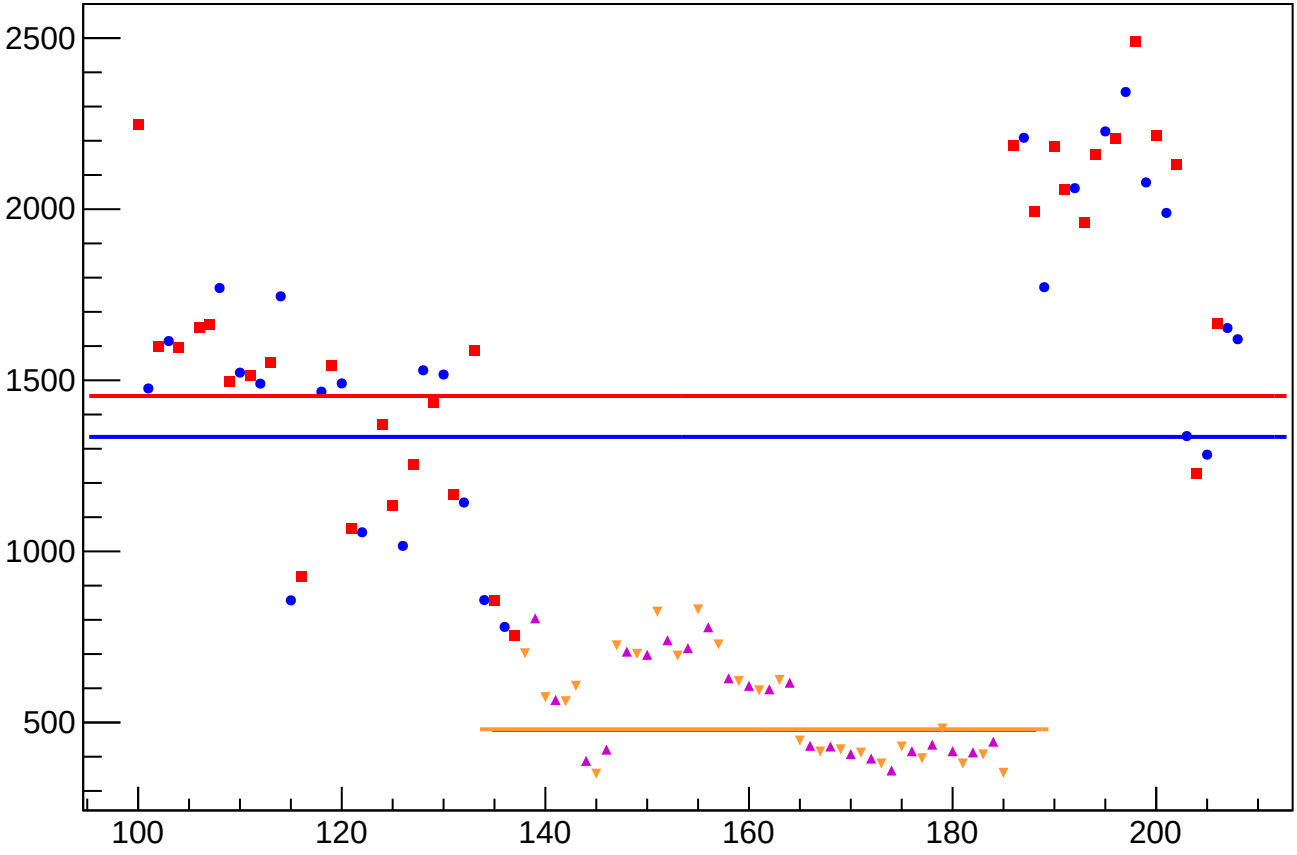
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -466.518+/-108.069 χ^2/NDF: 96.2/51

All: -293.592+/-77.323 χ^2/NDF: 156.7/105

- sign -112.204+/-110.681 χ^2/NDF: 55.3/53

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug



Right In: 1334.580+/-0.251 χ^2/NDF: 3019973.0/26

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1454.135+/-0.267 χ^2/NDF: 2914911.8/30

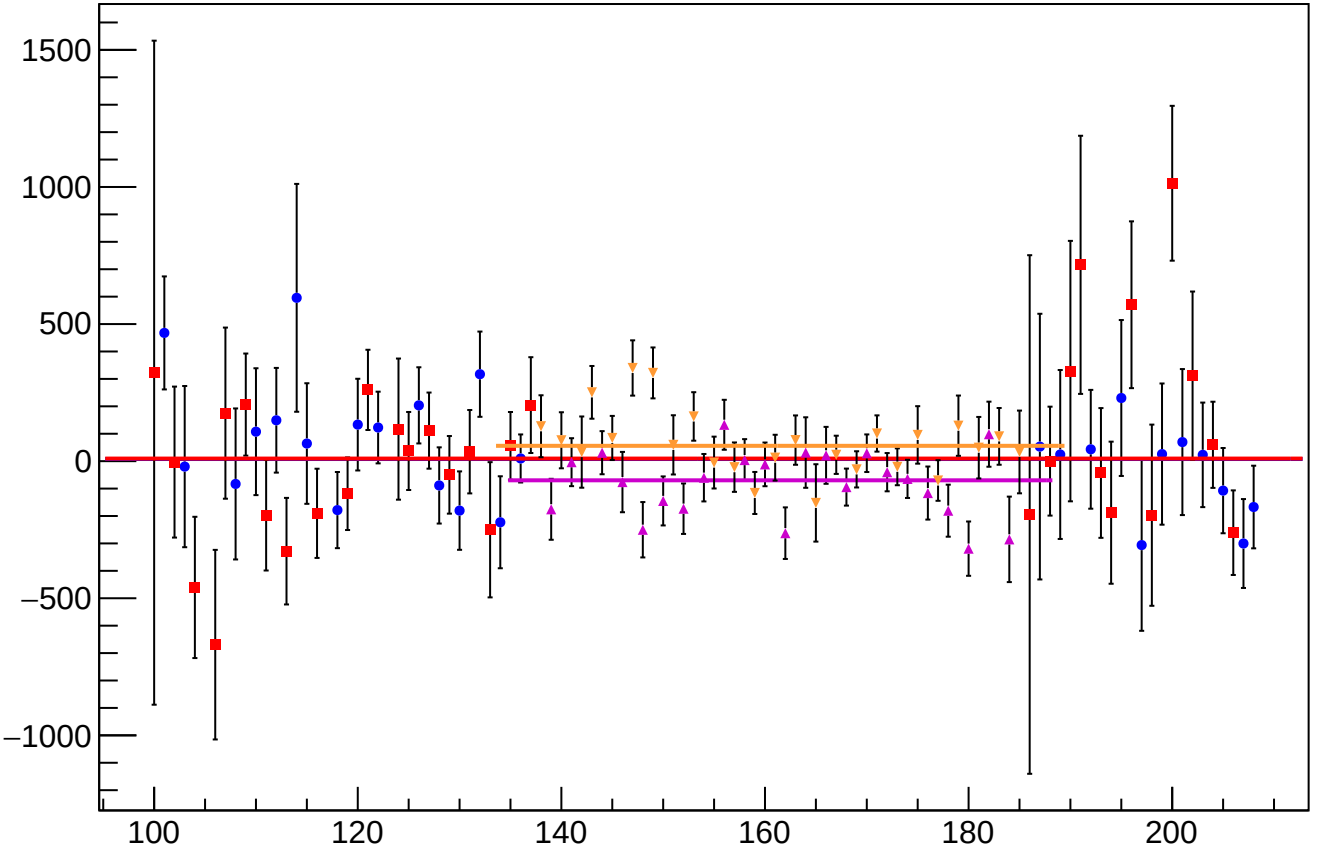
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 559.532+/-0.076 χ^2/NDF: 16136748.4/51

All: 560.699+/-0.055 χ^2/NDF: 33479964.8/10

- sign 561.923+/-0.078 χ^2/NDF: 17342738.5/53

dit_asym_sam_3726_avg_mean vs Slug



Right In: 7.840+/-33.992 χ^2/NDF: 28.3/26

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 9.420+/-35.646 χ^2/NDF: 45.5/30

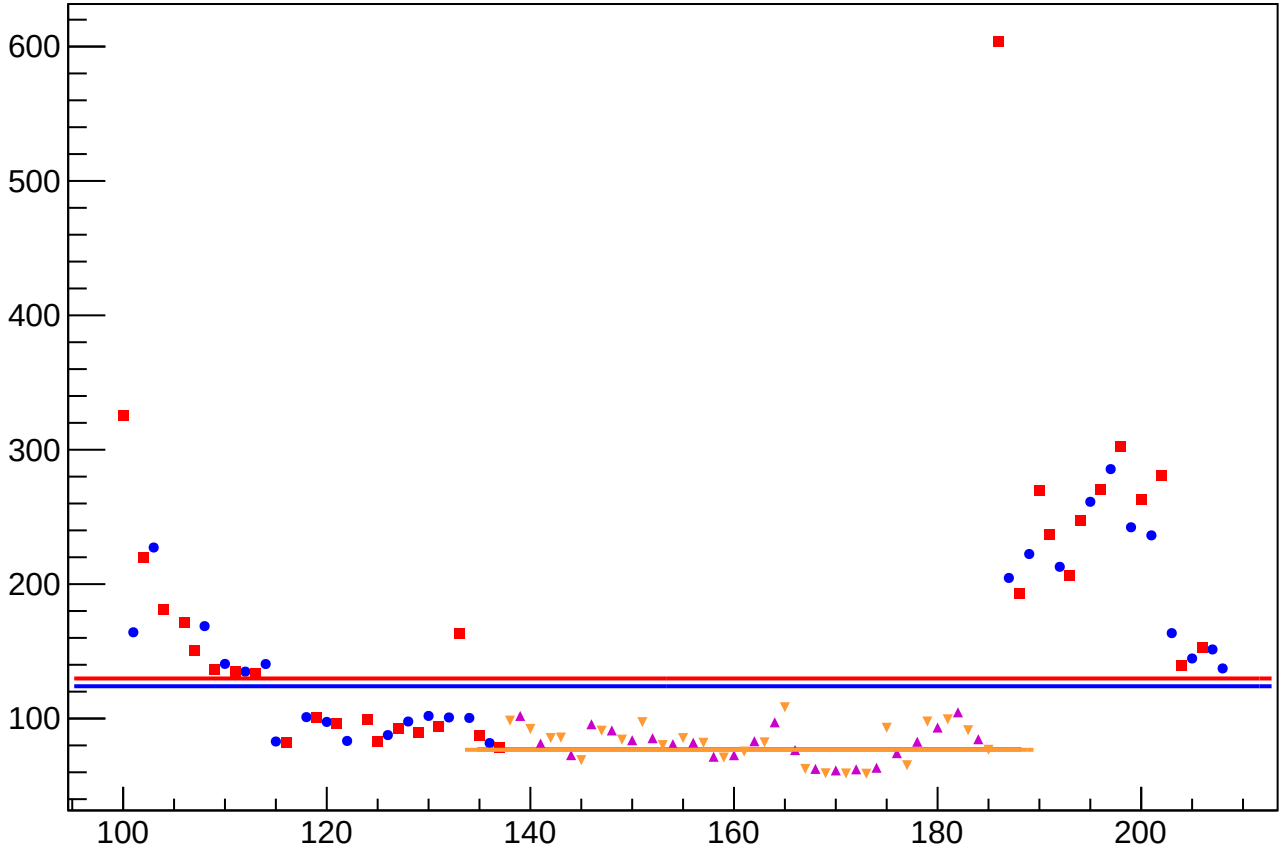
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 45.459+/-15.872 χ^2/NDF: 68.2/51

All: -2.121+/-11.411 χ^2/NDF: 170.7/105

- sign -53.029+/-16.418 χ^2/NDF: 83.9/53

dit_asym_sam_3726_avg_rms vs Slug



Right In: 124.016+/-0.024 χ^2/NDF: 4136288.9/26

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 129.806+/-0.025 χ^2/NDF: 5426991.4/30

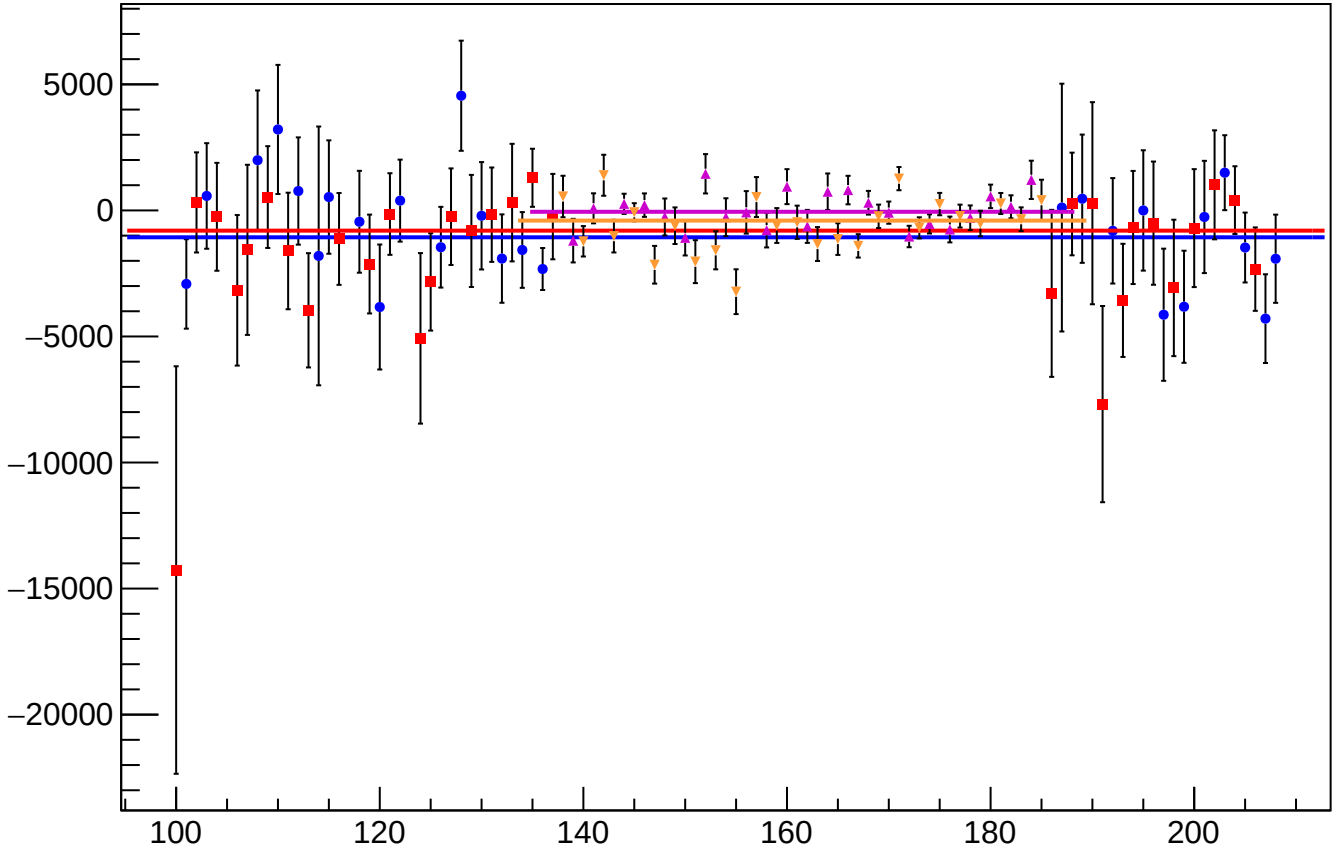
Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 87.051+/-0.011 χ^2/NDF: 8395596.2/51

All: 87.614+/-0.008 χ^2/NDF: 18142255.4/105

- sign 88.216+/-0.012 χ^2/NDF: 9741451.8/53

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -1066.040+/-356.358 χ^2/NDF: 28.9/26

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -802.170+/-374.269 χ^2/NDF: 22.2/30

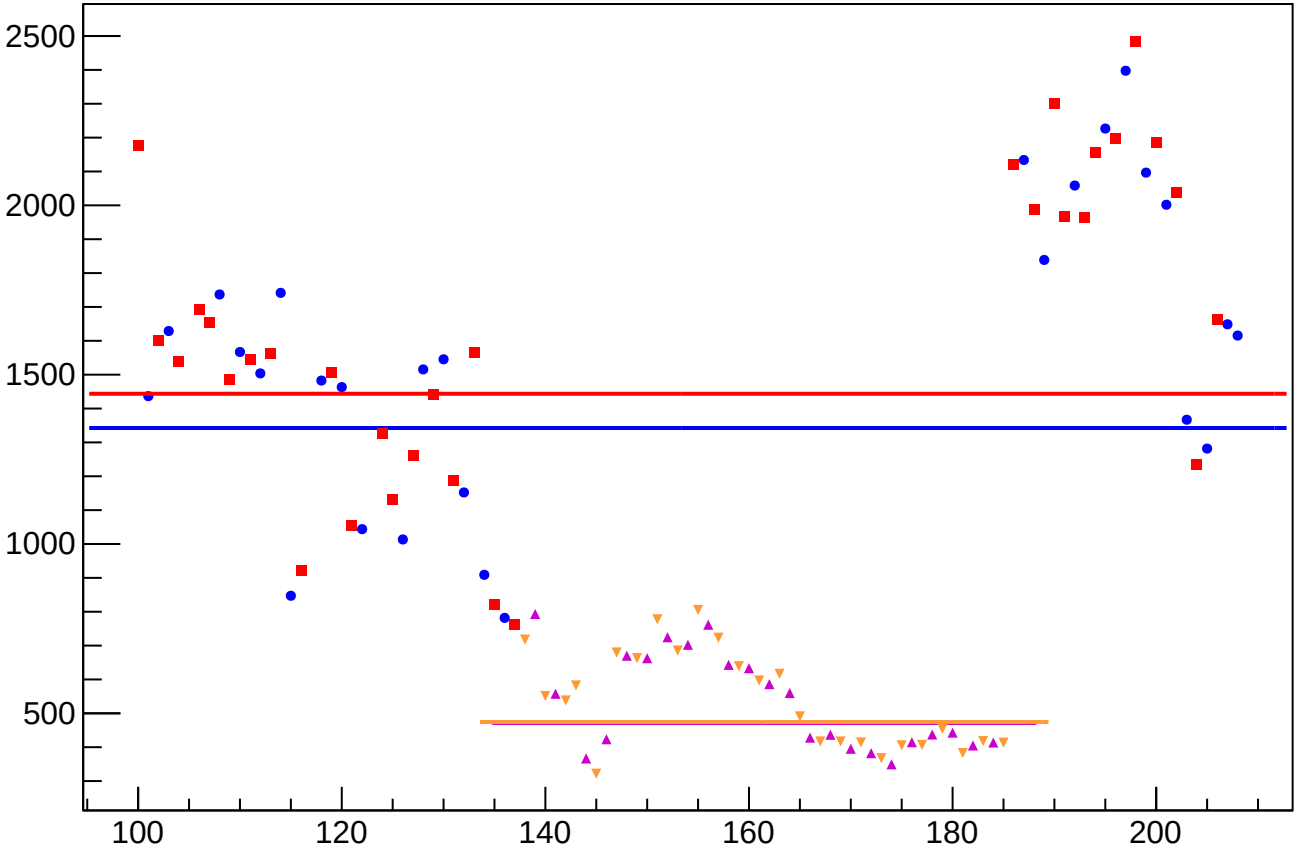
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -462.728+/-106.650 χ^2/NDF: 92.8/51

All: -294.475+/-76.315 χ^2/NDF: 154.4/105

- sign -117.923+/-109.249 χ^2/NDF: 56.5/53

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1342.533+/-0.252 χ^2/NDF: 2993407.1/26

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1443.717+/-0.265 χ^2/NDF: 2954405.9/30

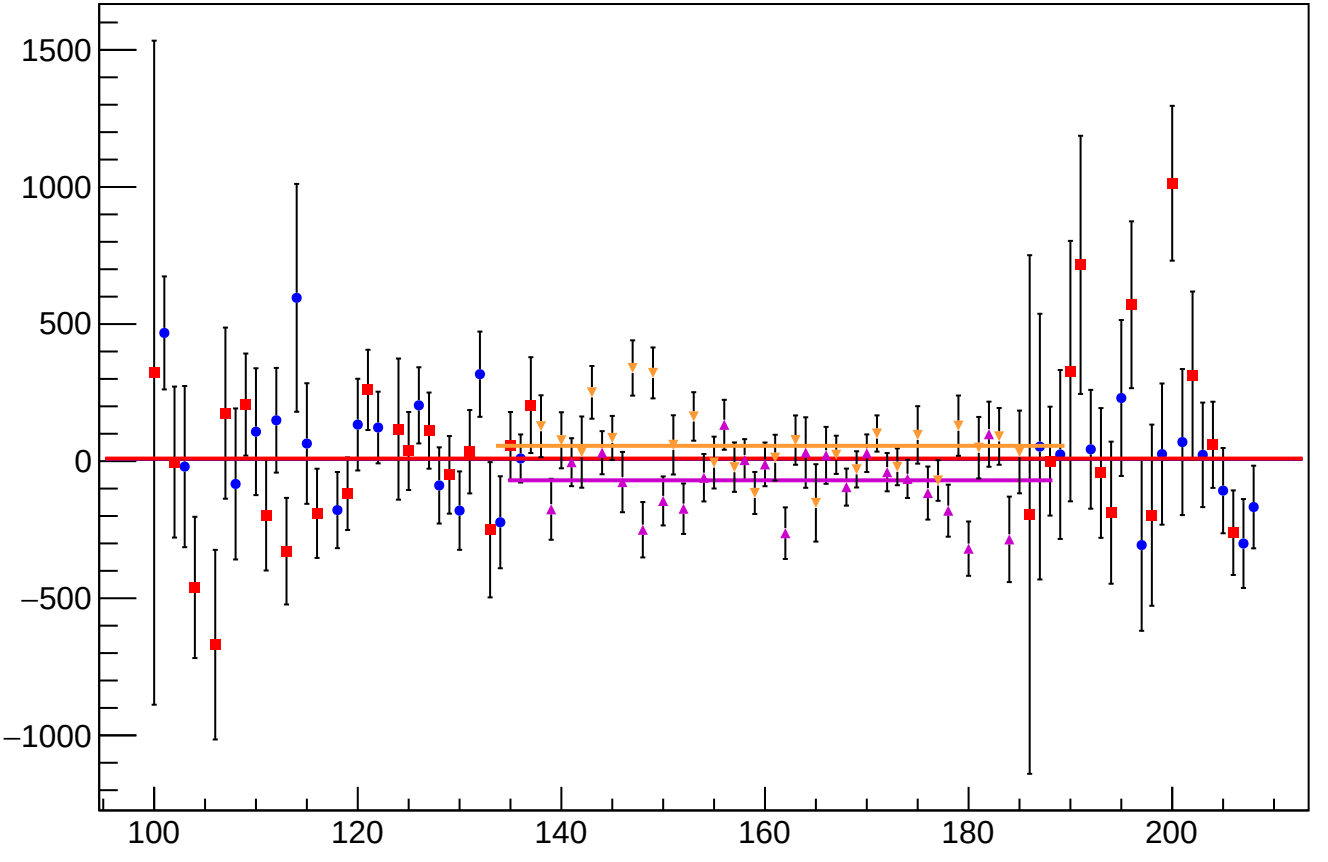
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 552.060+/-0.075 χ^2/NDF: 16341322.8/51

All: 553.152+/-0.054 χ^2/NDF: 33852224.9/10

- sign 554.297+/-0.077 χ^2/NDF: 17510472.4/53

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 7.841+/-33.992 χ^2/NDF: 28.3/26

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 9.422+/-35.646 χ^2/NDF: 45.5/30

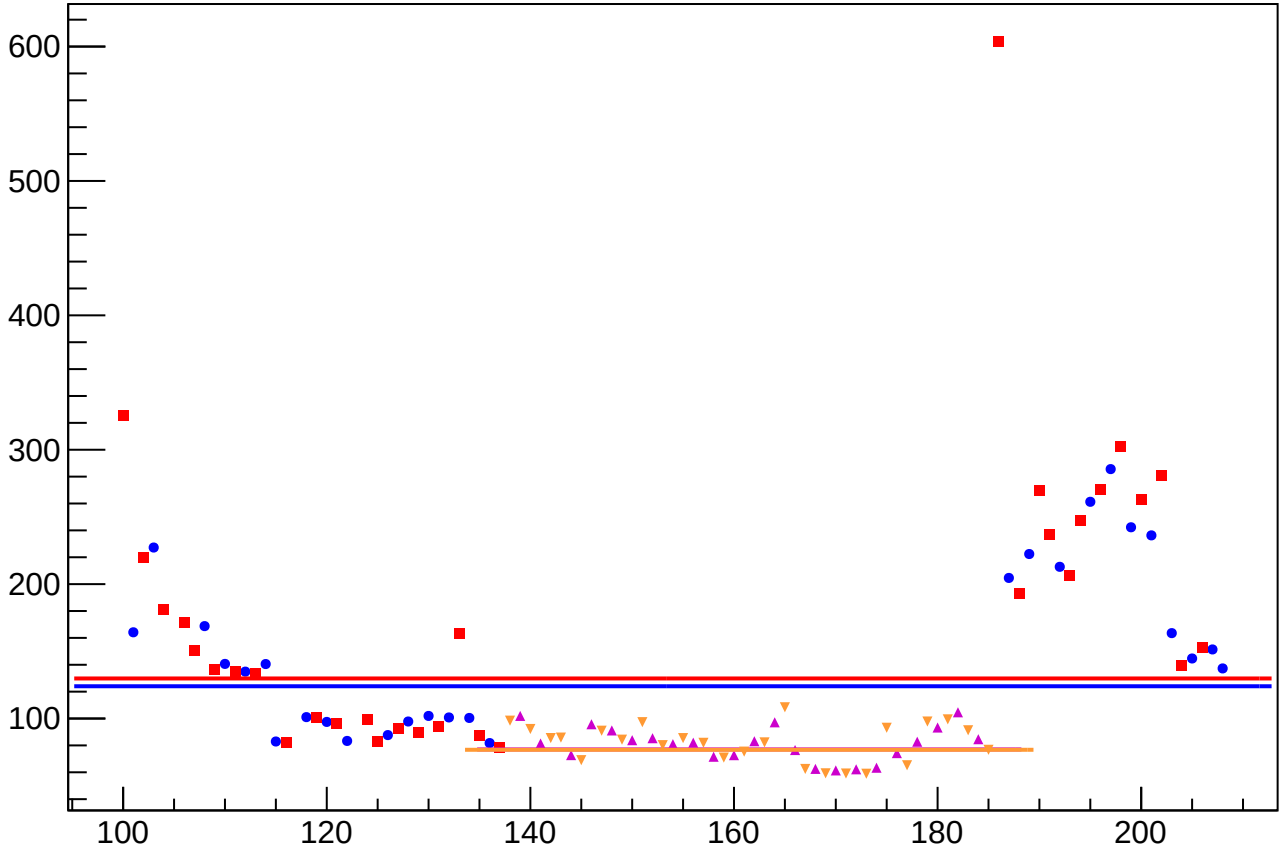
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 45.459+/-15.872 χ^2/NDF: 68.2/51

All: -2.121+/-11.411 χ^2/NDF: 170.7/105

- sign -53.028+/-16.418 χ^2/NDF: 83.9/53

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 124.016+/-0.024 χ^2/NDF: 4136297.4/26

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

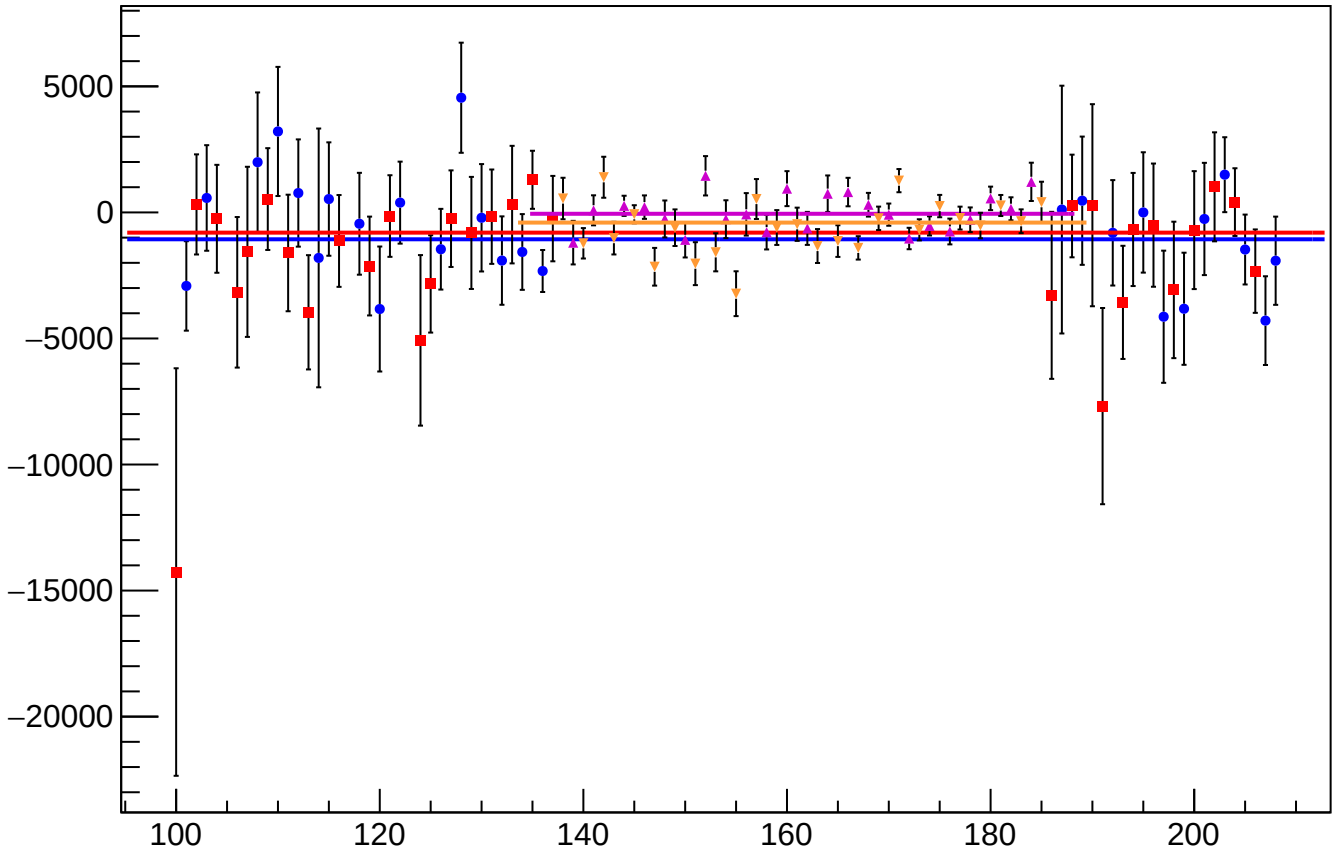
Right Out: 129.806+/-0.025 χ^2/NDF: 5427001.1/30

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 87.051+/-0.011 χ^2/NDF: 8395542.6/51

All: 87.614+/-0.008 χ^2/NDF: 18142150.8/105

- sign 88.216+/-0.012 χ^2/NDF: 9741400.4/53



Right In: -1066.037+/-356.358 χ^2/NDF: 28.9/26

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -802.171+/-374.269 χ^2/NDF: 22.2/30

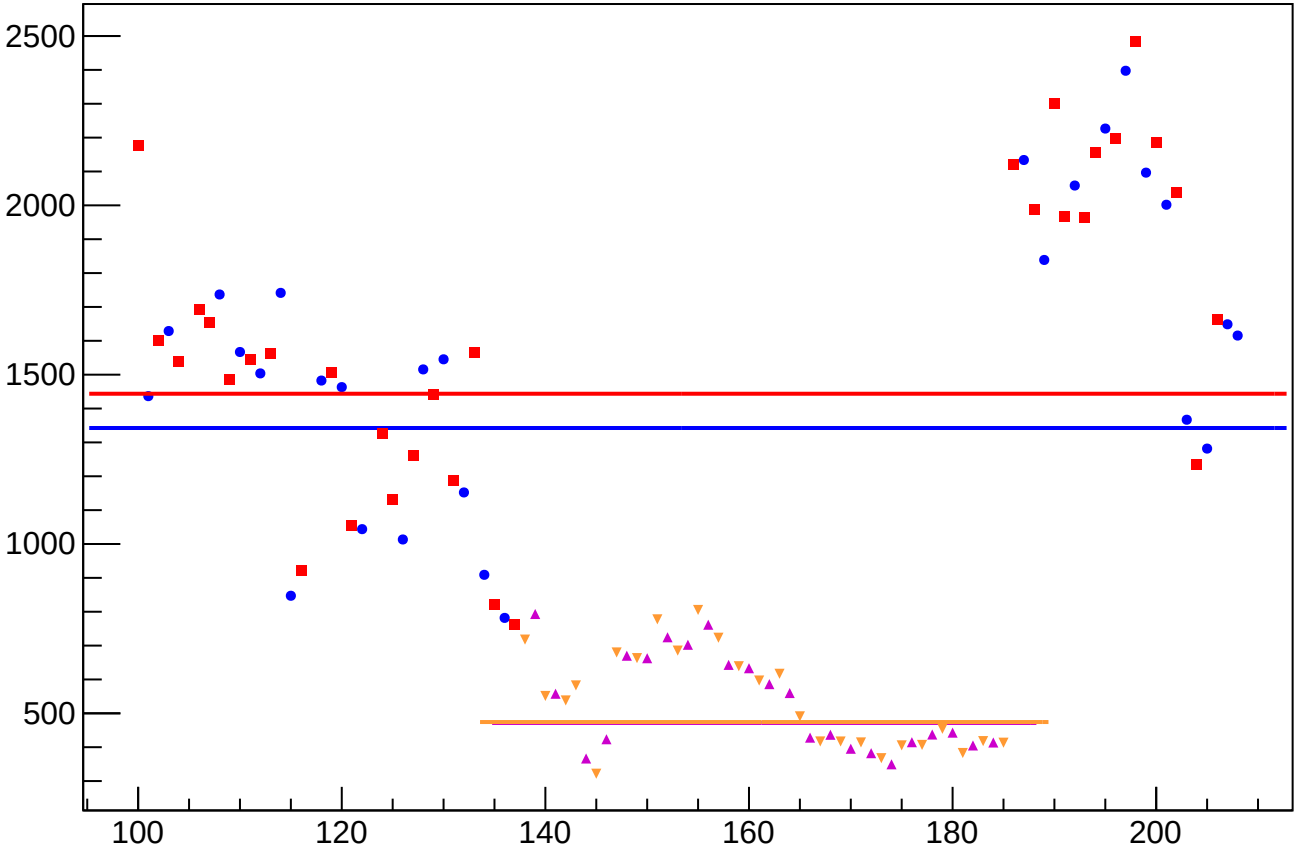
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -462.728+/-106.650 χ^2/NDF: 92.8/51

All: -294.475+/-76.315 χ^2/NDF: 154.4/105

- sign -117.924+/-109.249 χ^2/NDF: 56.5/53

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1342.532+/-0.252 χ^2/NDF: 2993398.3/26

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1443.716+/-0.265 χ^2/NDF: 2954401.2/30

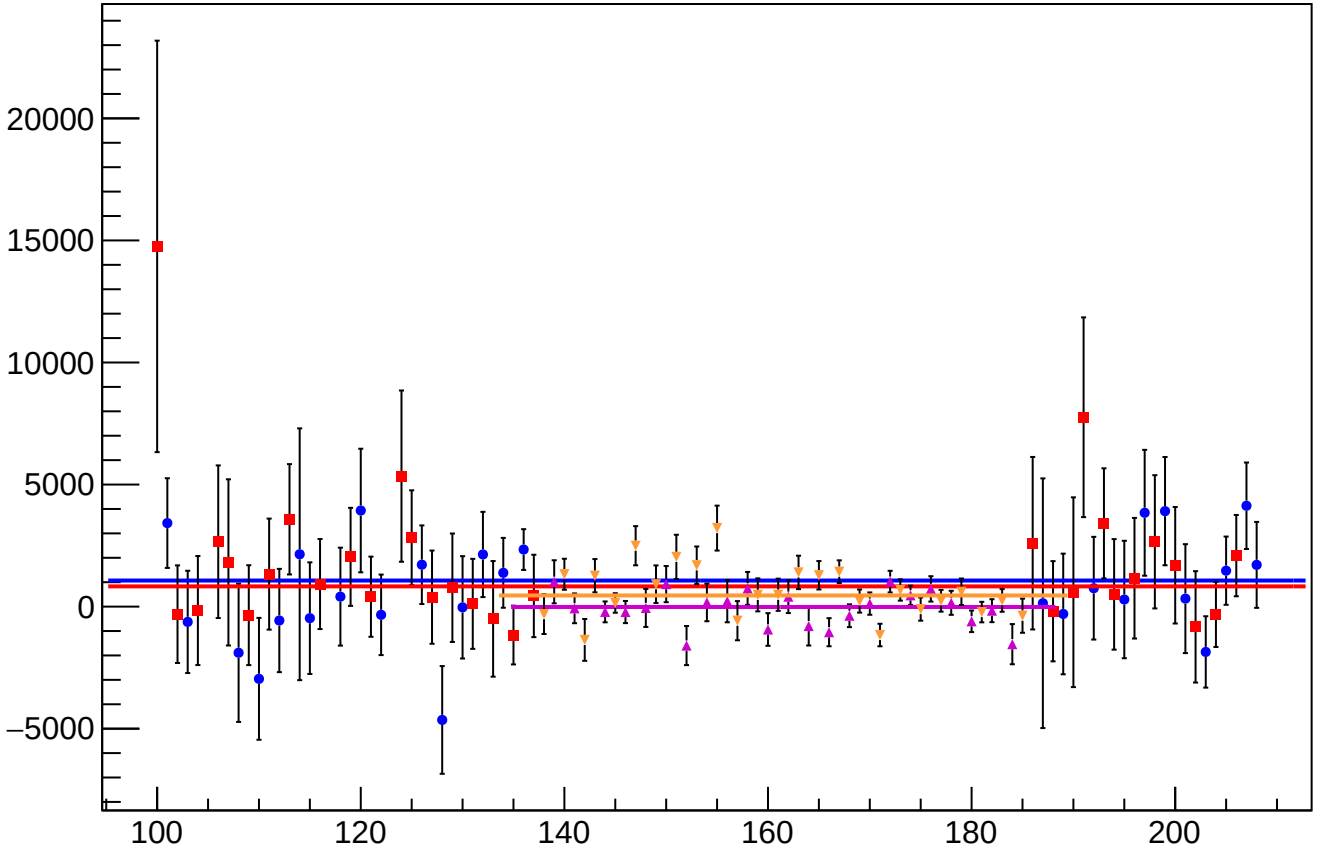
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 552.059+/-0.075 χ^2/NDF: 16341321.1/51

All: 553.151+/-0.054 χ^2/NDF: 33852206.4/10

- sign 554.297+/-0.077 χ^2/NDF: 17510455.6/53

asym_sam_3726_avg_mean vs Slug



Right In: 1068.252+/-356.216 χ^2/NDF: 29.7/26

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 828.963+/-379.129 χ^2/NDF: 19.2/30

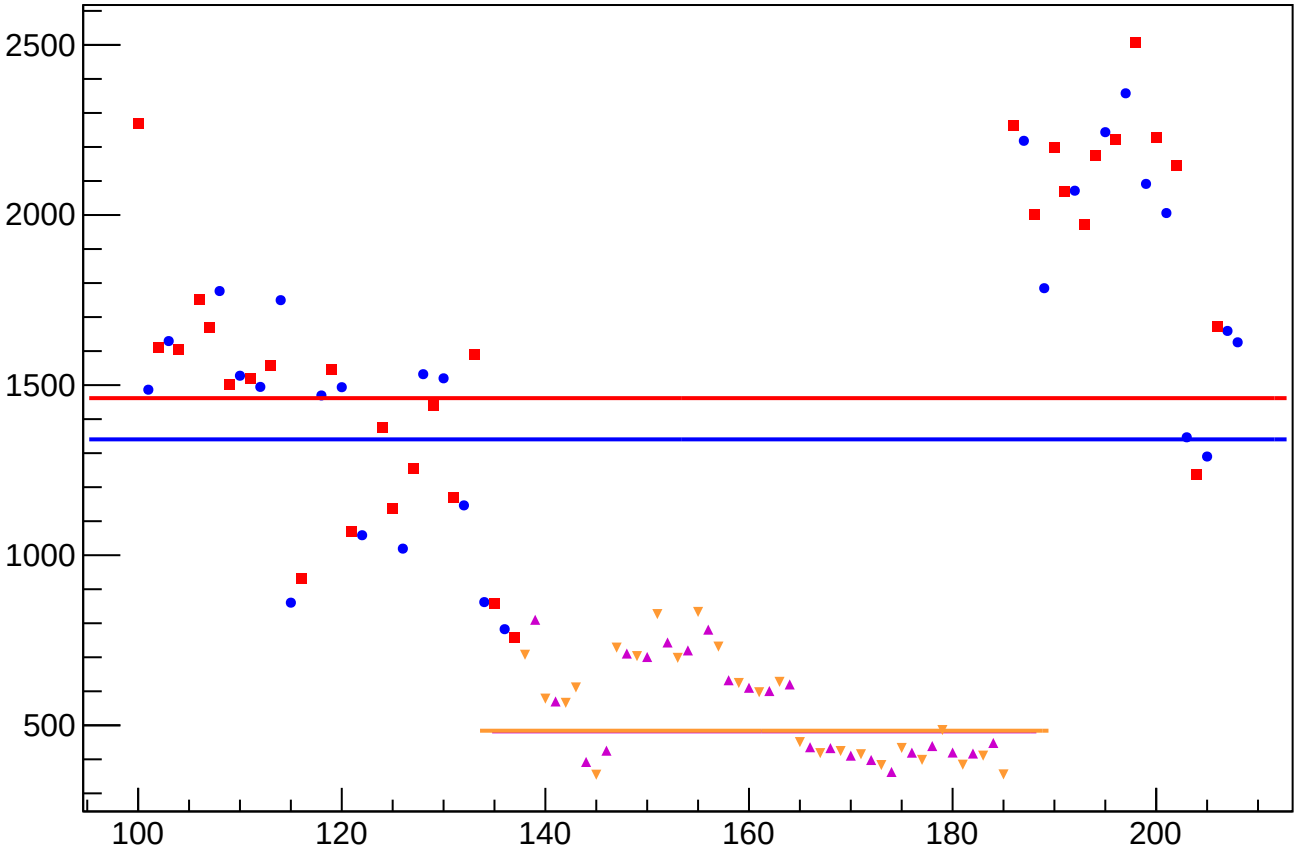
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 514.365+/-108.879 χ^2/NDF: 91.7/51

All: 291.666+/-77.912 χ^2/NDF: 154.3/105

- sign 57.962+/-111.536 χ^2/NDF: 54.0/53

asym_sam_3726_avg_rms vs Slug



Right In: 1340.525+/-0.252 χ^2/NDF: 3030996.1/26

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

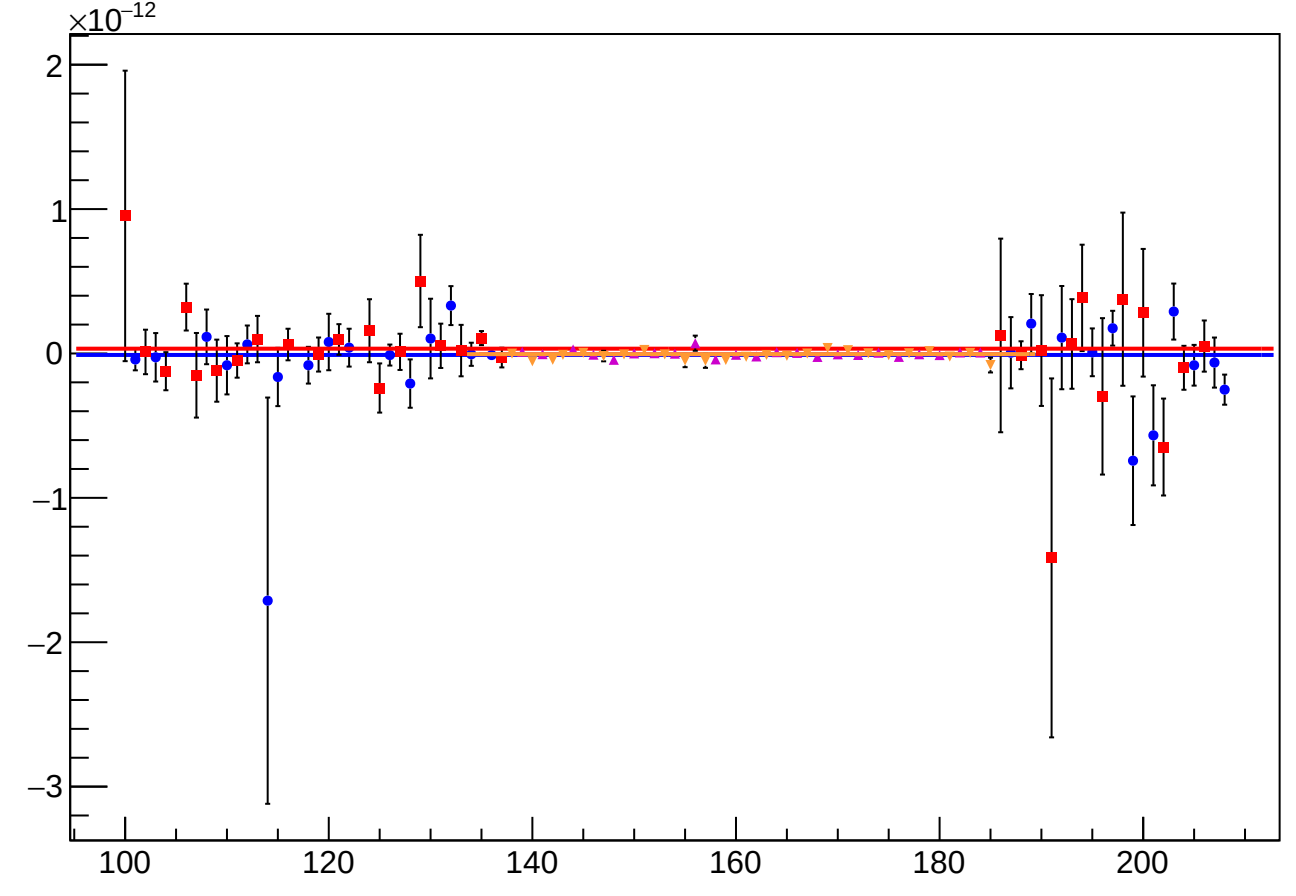
Right Out: 1461.720+/-0.268 χ^2/NDF: 2954362.6/30

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 564.136+/-0.077 χ^2/NDF: 16059380.3/51

All: 565.504+/-0.055 χ^2/NDF: 33396673.2/10

- sign 566.939+/-0.079 χ^2/NDF: 17336646.2/53



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/30

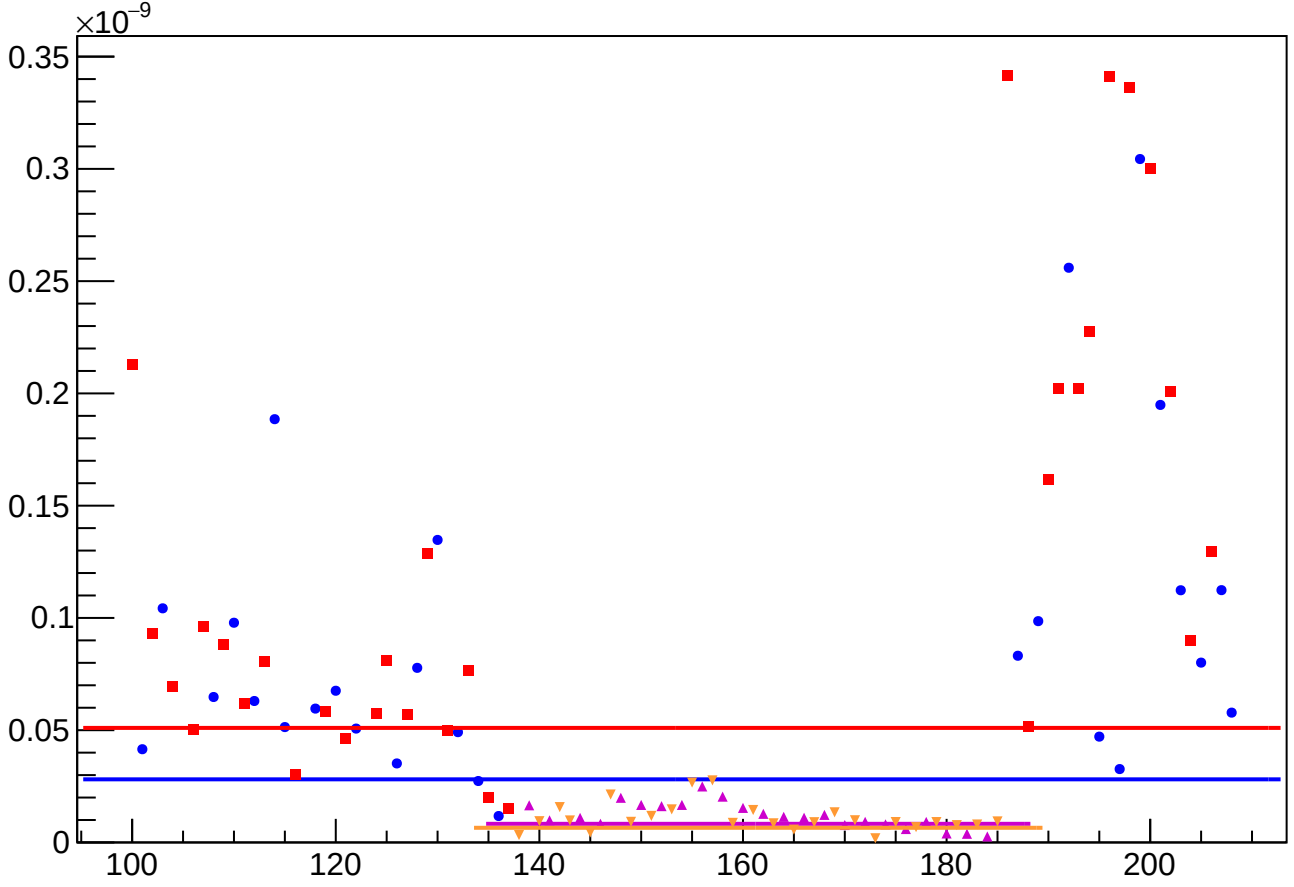
Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.8/51

All: -0.000+/-0.000 χ^2/NDF: 101.2/105

- sign -0.000+/-0.000 χ^2/NDF: 41.3/53

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6751917.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6190867.3/30

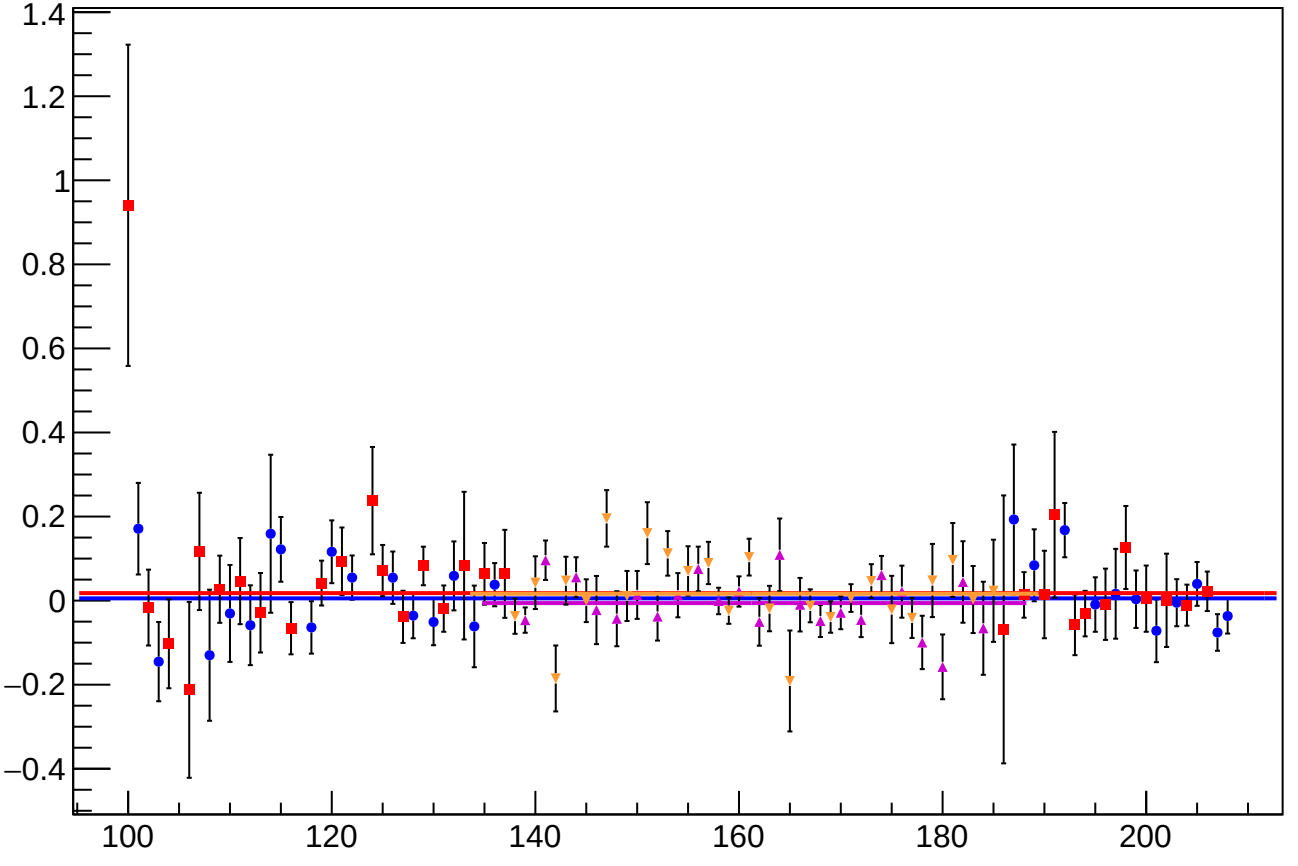
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13805111.0/51

All: 0.000+/-0.000 χ^2/NDF: 28808854.5/105

- sign 0.000+/-0.000 χ^2/NDF: 14680562.0/53

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.013 χ^2/NDF: 31.3/26

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.018+/-0.014 χ^2/NDF: 24.5/30

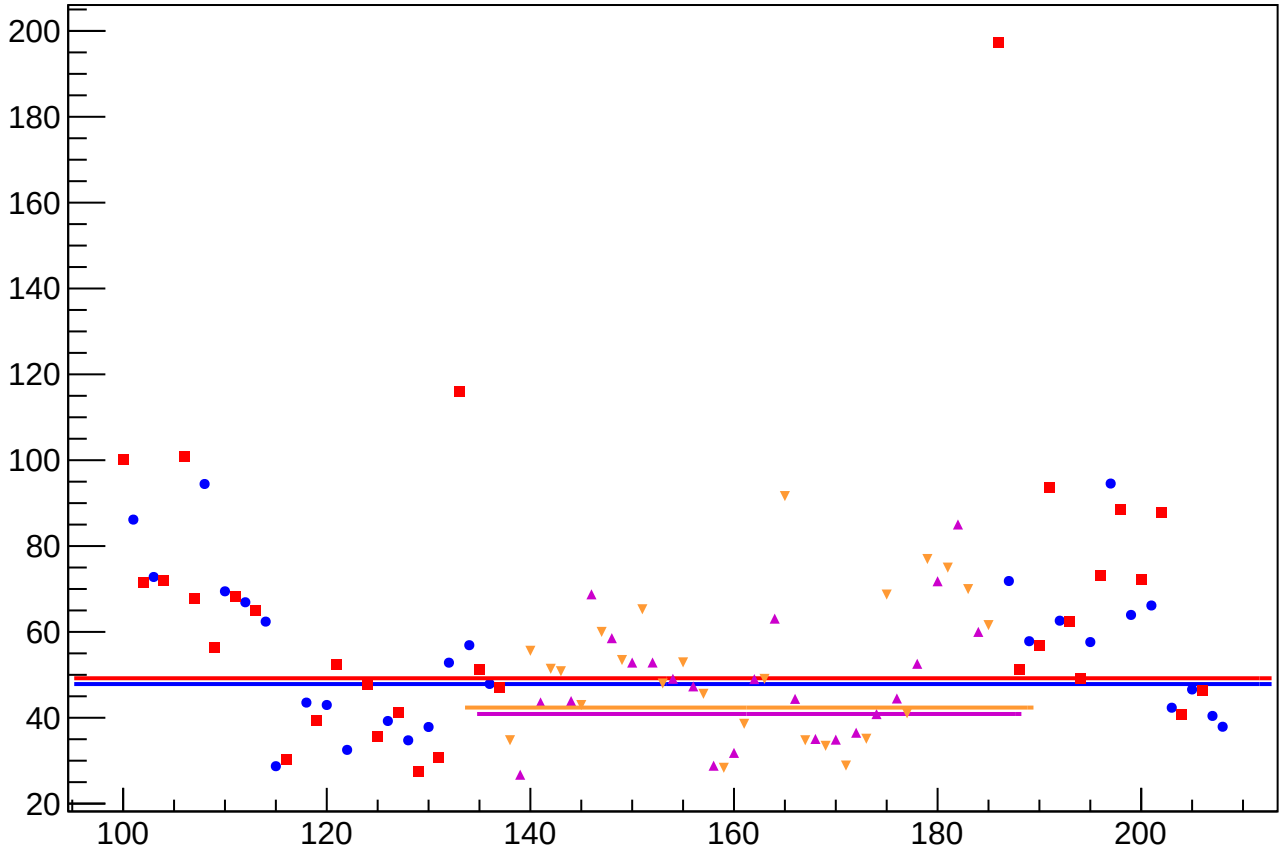
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.012+/-0.008 χ^2/NDF: 72.9/51

All: 0.008+/-0.006 χ^2/NDF: 126.0/105

- sign 0.003+/-0.008 χ^2/NDF: 52.5/53

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 47.851+/-0.009 χ^2/NDF: 2305942.1/26

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

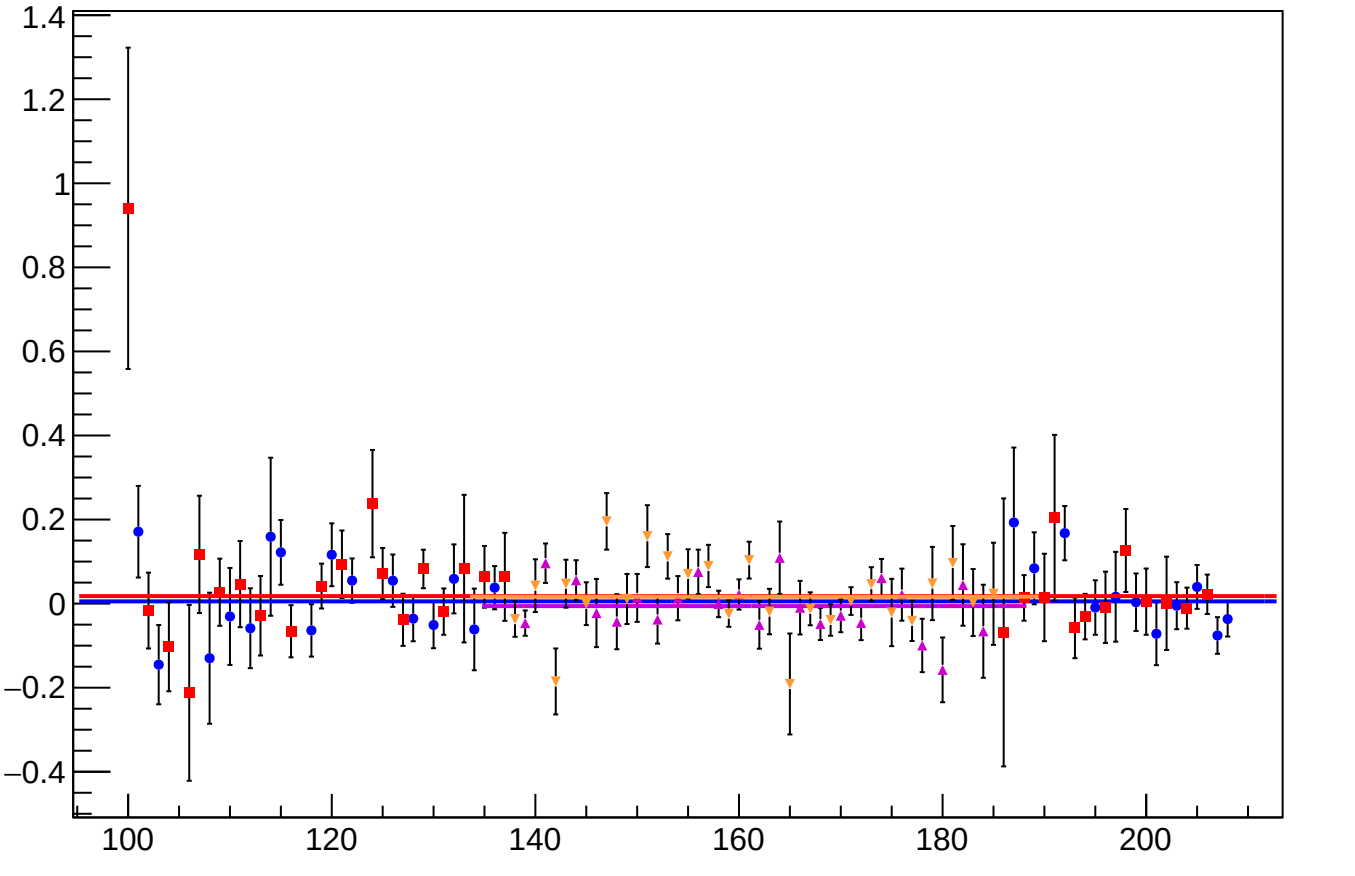
Right Out: 49.203+/-0.010 χ^2/NDF: 3474328.5/30

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.495+/-0.006 χ^2/NDF: 5713759.8/51

All: 44.218+/-0.004 χ^2/NDF: 12352080.0/105

- sign 43.935+/-0.006 χ^2/NDF: 6633596.1/53



Right In: 0.005+/-0.013 χ^2/NDF: 31.3/26

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

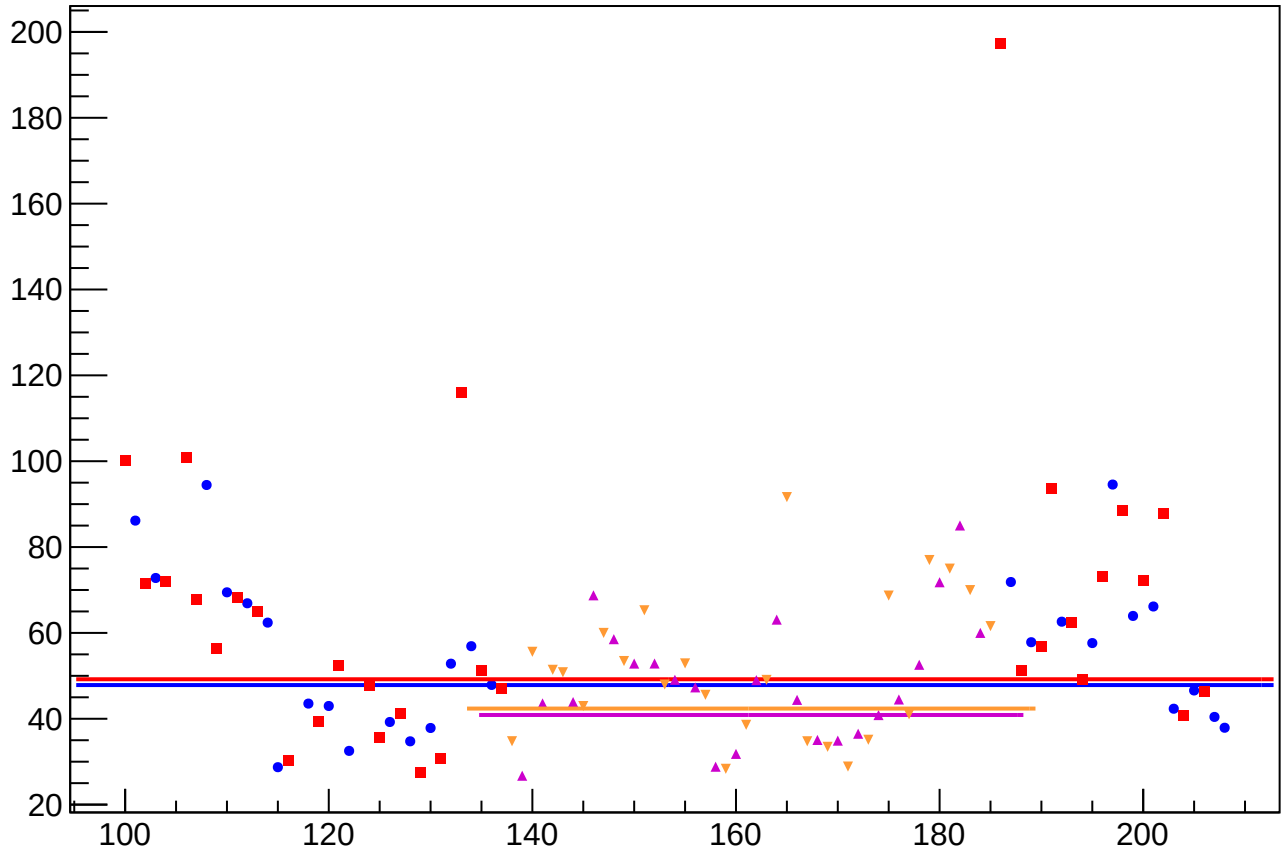
Right Out: 0.018+/-0.014 χ^2/NDF: 24.5/30

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.012+/-0.008 χ^2/NDF: 72.9/51

All: 0.008+/-0.006 χ^2/NDF: 126.0/105

- sign 0.003+/-0.008 χ^2/NDF: 52.5/53



Right In: 47.851+/-0.009 χ^2/NDF: 2305942.1/26

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

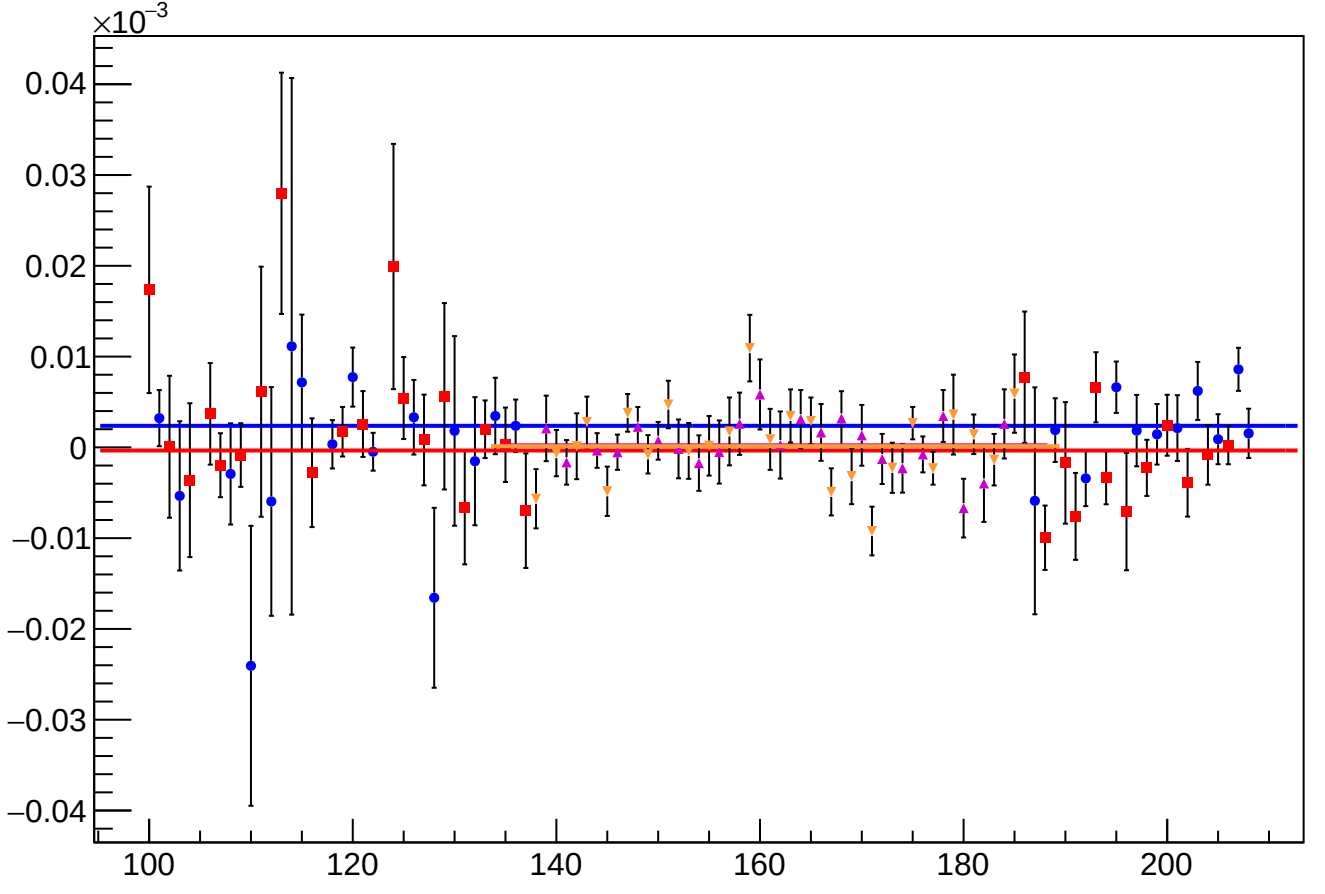
Right Out: 49.203+/-0.010 χ^2/NDF: 3474328.5/30

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.495+/-0.006 χ^2/NDF: 5713759.8/51

All: 44.218+/-0.004 χ^2/NDF: 12352080.0/105

- sign 43.935+/-0.006 χ^2/NDF: 6633596.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

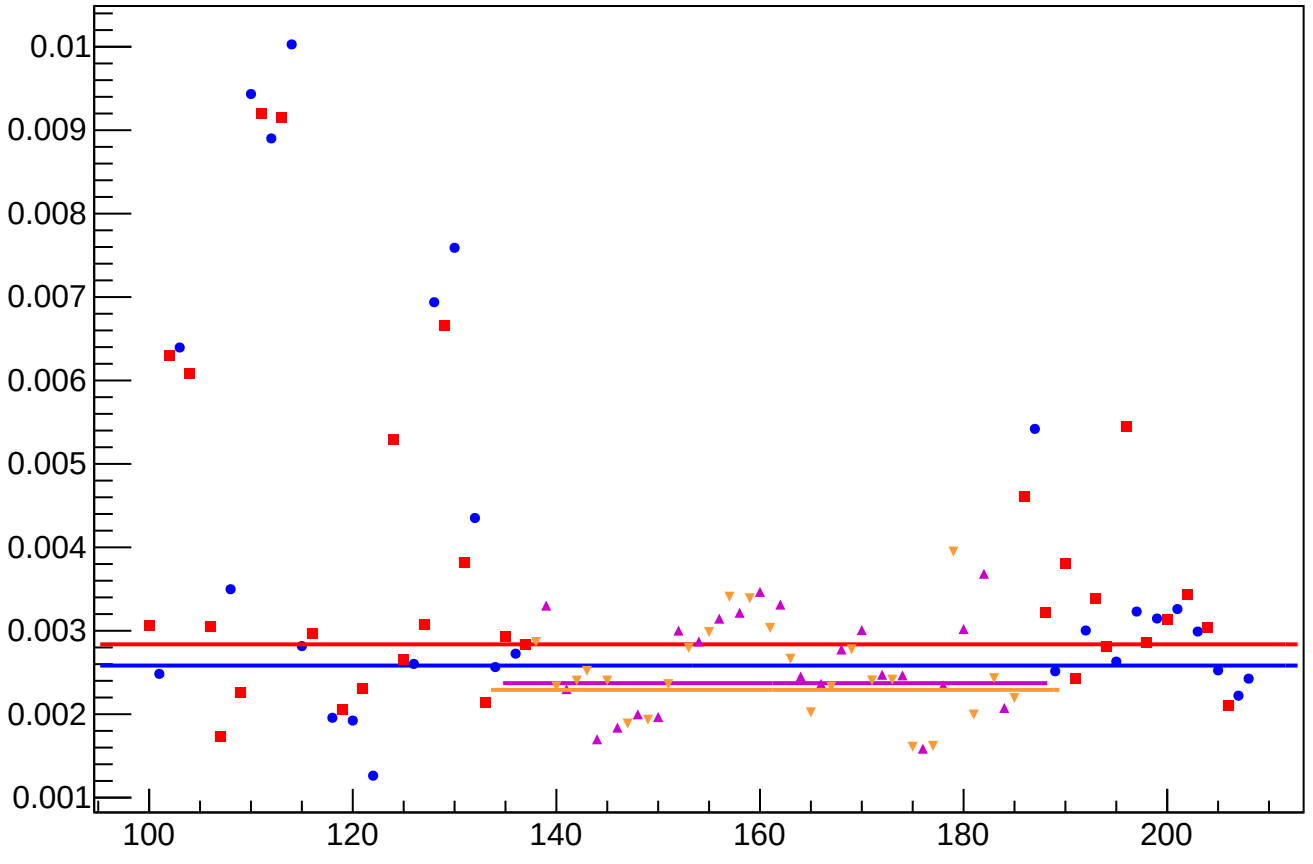
Right Out: -0.000+/-0.000 χ^2/NDF: 34.8/30

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 86.4/51

All: 0.000+/-0.000 χ^2/NDF: 139.7/105

- sign 0.000+/-0.000 χ^2/NDF: 51.0/53



Right In: 0.003+/-0.000 χ^2/NDF: 3893479.9/26

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

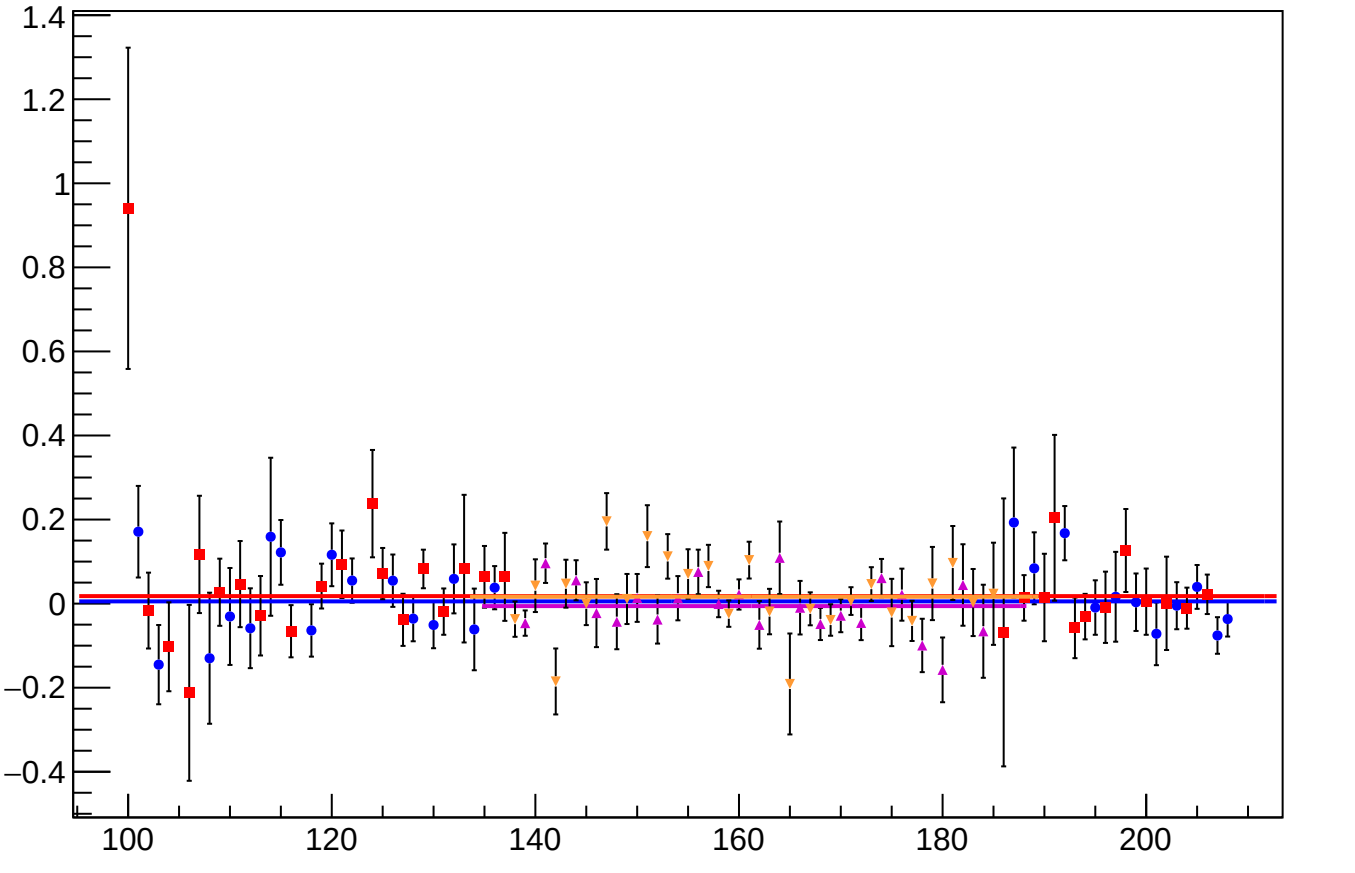
Right Out: 0.003+/-0.000 χ^2/NDF: 3409059.5/30

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5928651.8/51

All: 0.002+/-0.000 χ^2/NDF: 11944169.3/105

- sign 0.003+/-0.000 χ^2/NDF: 5908670.8/53



Right In: 0.005+/-0.013 χ^2/NDF: 31.3/26

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.018+/-0.014 χ^2/NDF: 24.5/30

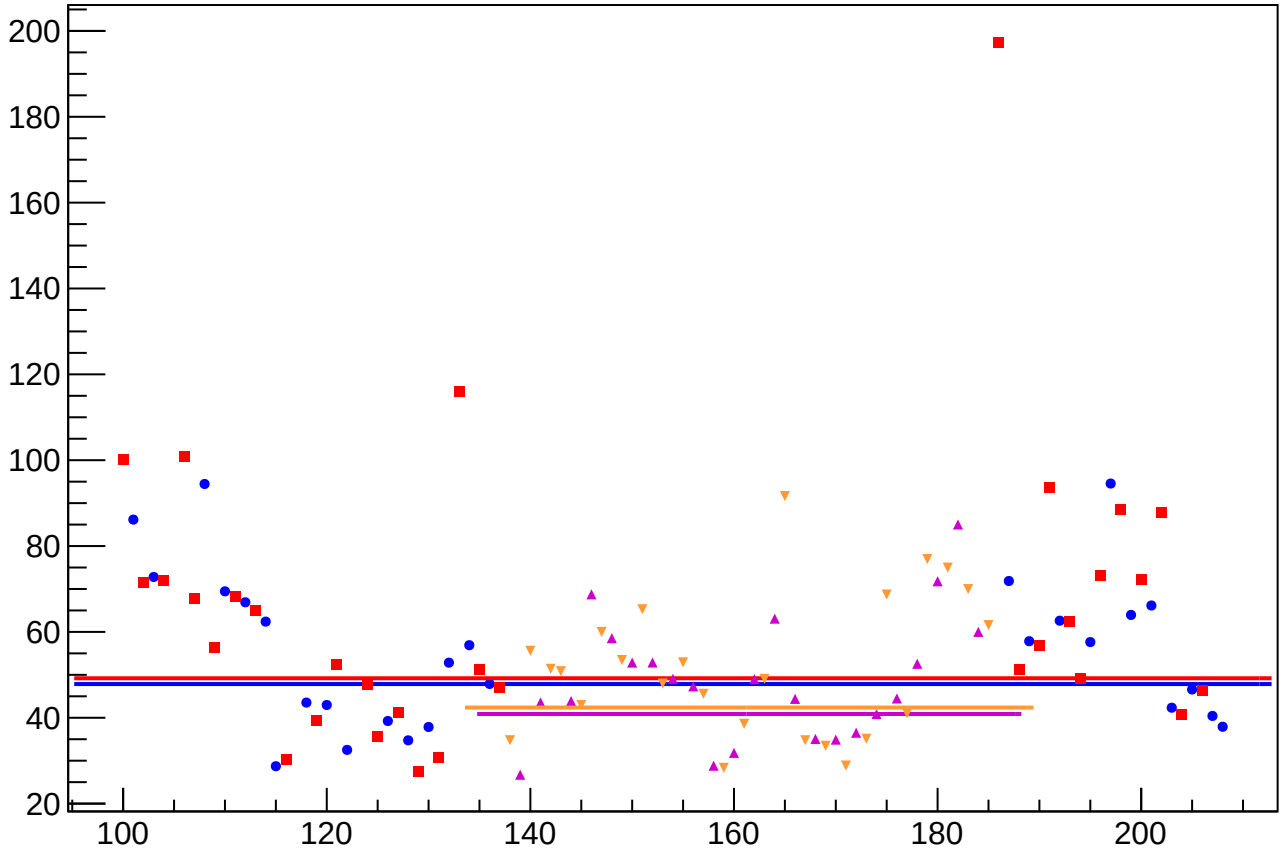
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.012+/-0.008 χ^2/NDF: 72.9/51

All: 0.008+/-0.006 χ^2/NDF: 126.0/105

- sign 0.003+/-0.008 χ^2/NDF: 52.5/53

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 47.851+/-0.009 χ^2/NDF: 2305903.6/26

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 49.203+/-0.010 χ^2/NDF: 3474232.3/30

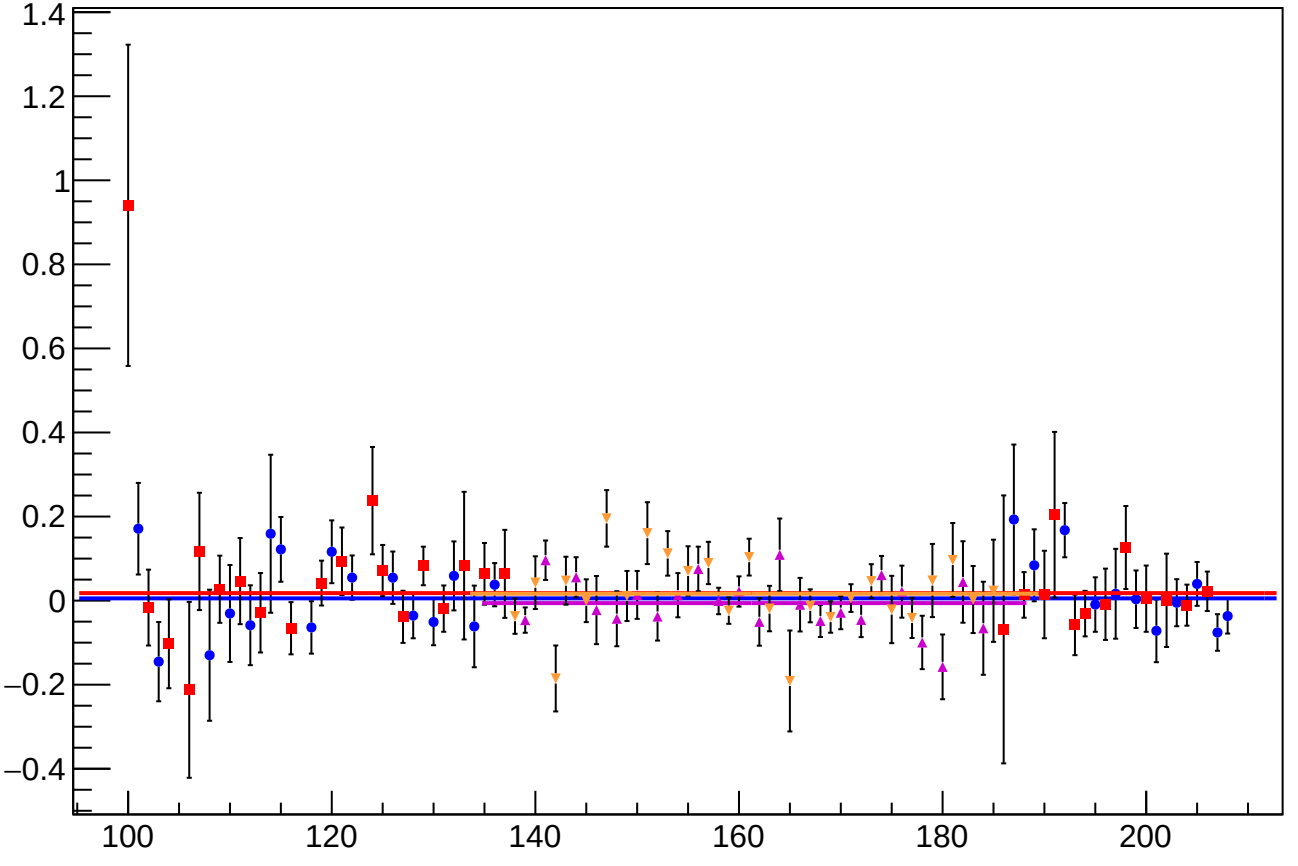
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.495+/-0.006 χ^2/NDF: 5713718.6/51

All: 44.218+/-0.004 χ^2/NDF: 12351938.5/105

- sign 43.936+/-0.006 χ^2/NDF: 6633498.2/53

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.013 χ^2/NDF: 31.3/26

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

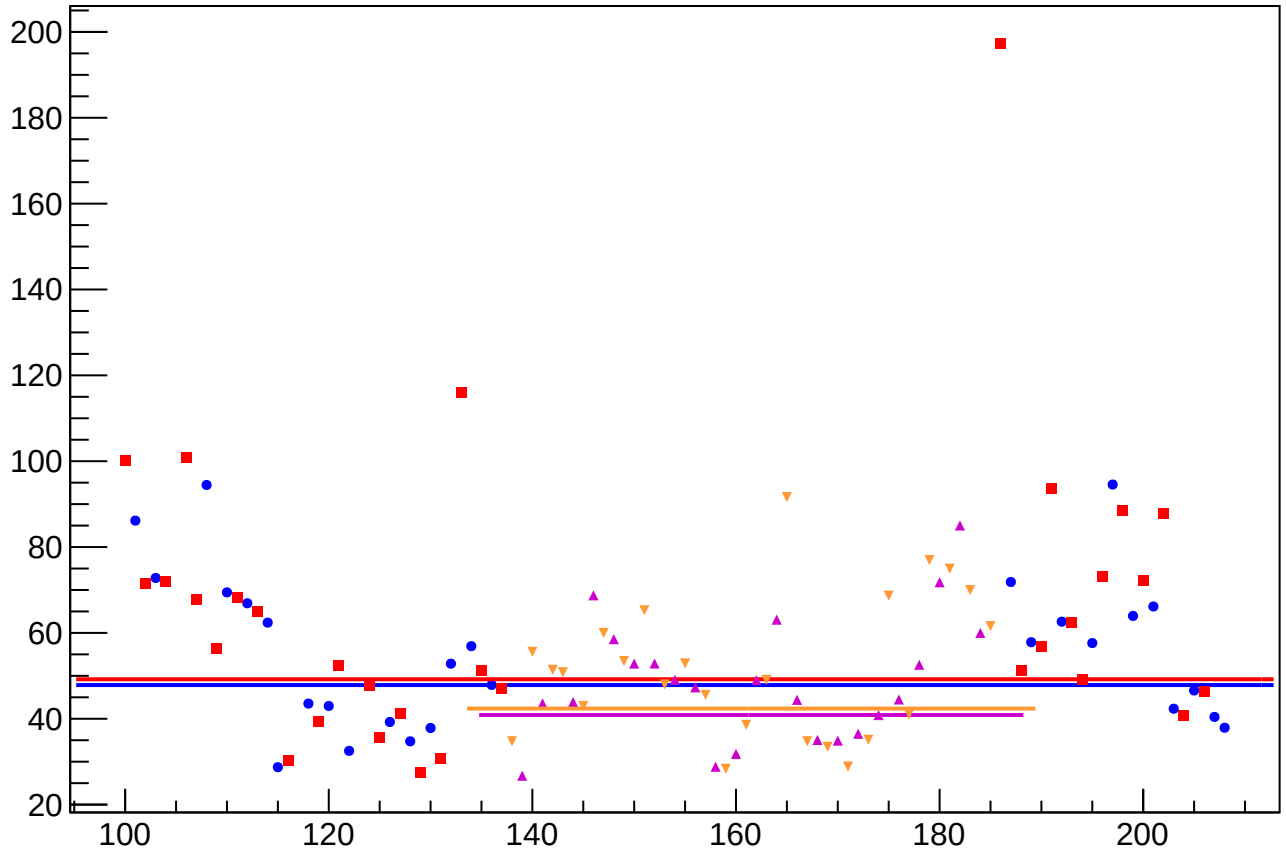
Right Out: 0.018+/-0.014 χ^2/NDF: 24.5/30

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.012+/-0.008 χ^2/NDF: 72.9/51

All: 0.008+/-0.006 χ^2/NDF: 126.0/105

- sign 0.003+/-0.008 χ^2/NDF: 52.5/53



Right In: 47.851+/-0.009 χ^2/NDF: 2305903.6/26

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

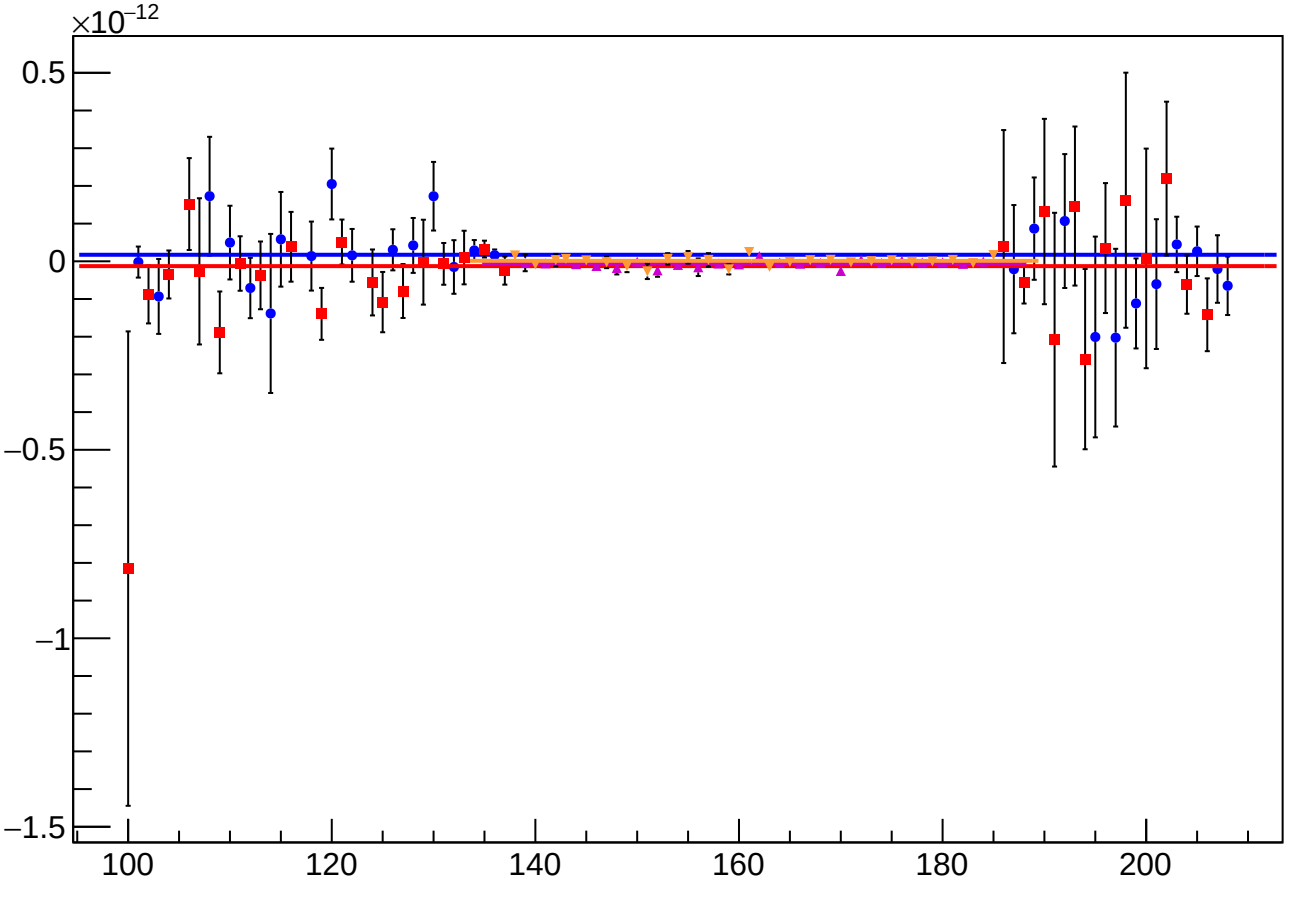
Right Out: 49.203+/-0.010 χ^2/NDF: 3474232.3/30

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.495+/-0.006 χ^2/NDF: 5713718.6/51

All: 44.218+/-0.004 χ^2/NDF: 12351938.5/105

- sign 43.936+/-0.006 χ^2/NDF: 6633498.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

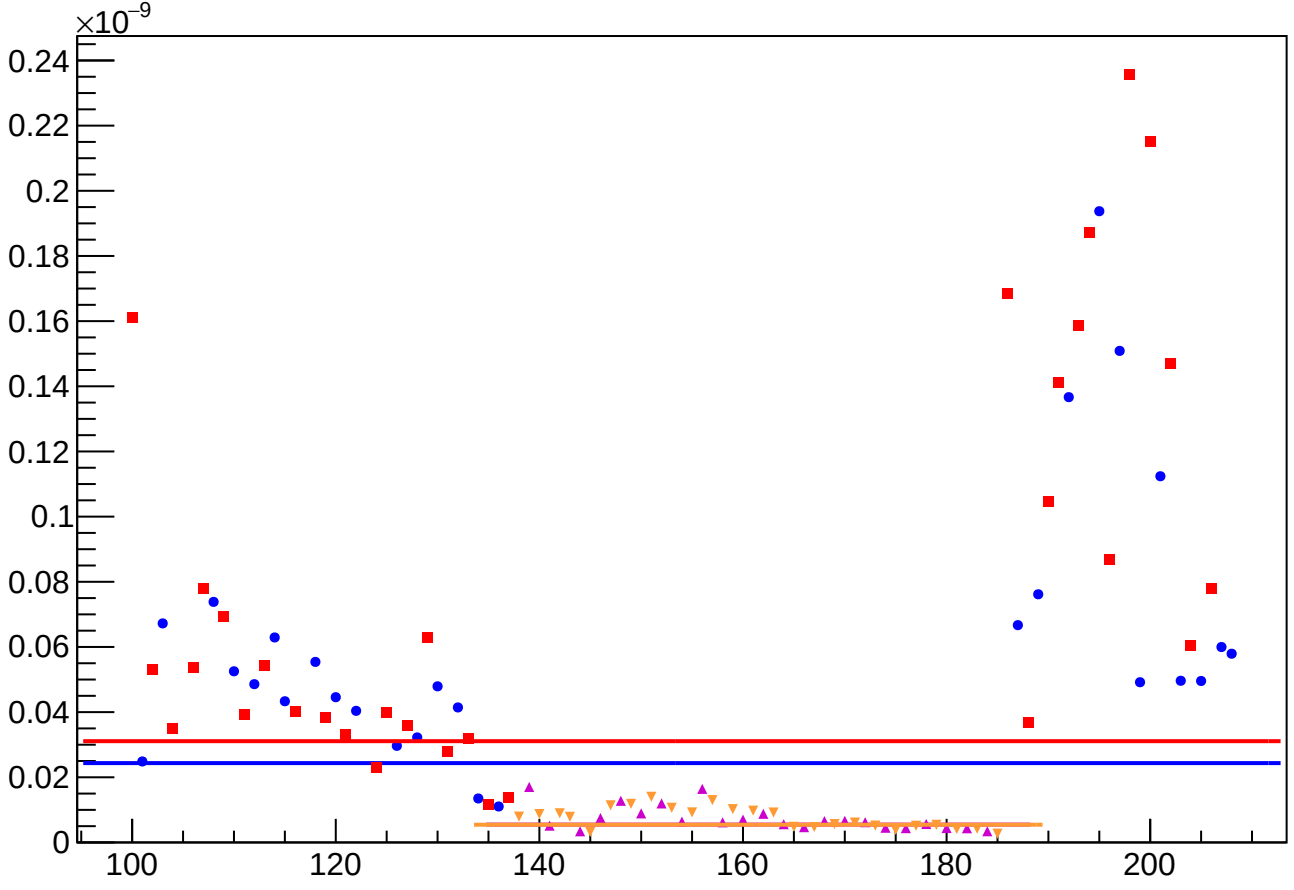
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/30

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.7/51

All: -0.000+/-0.000 χ^2/NDF: 86.2/105

- sign -0.000+/-0.000 χ^2/NDF: 39.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 8029782.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8571877.8/30

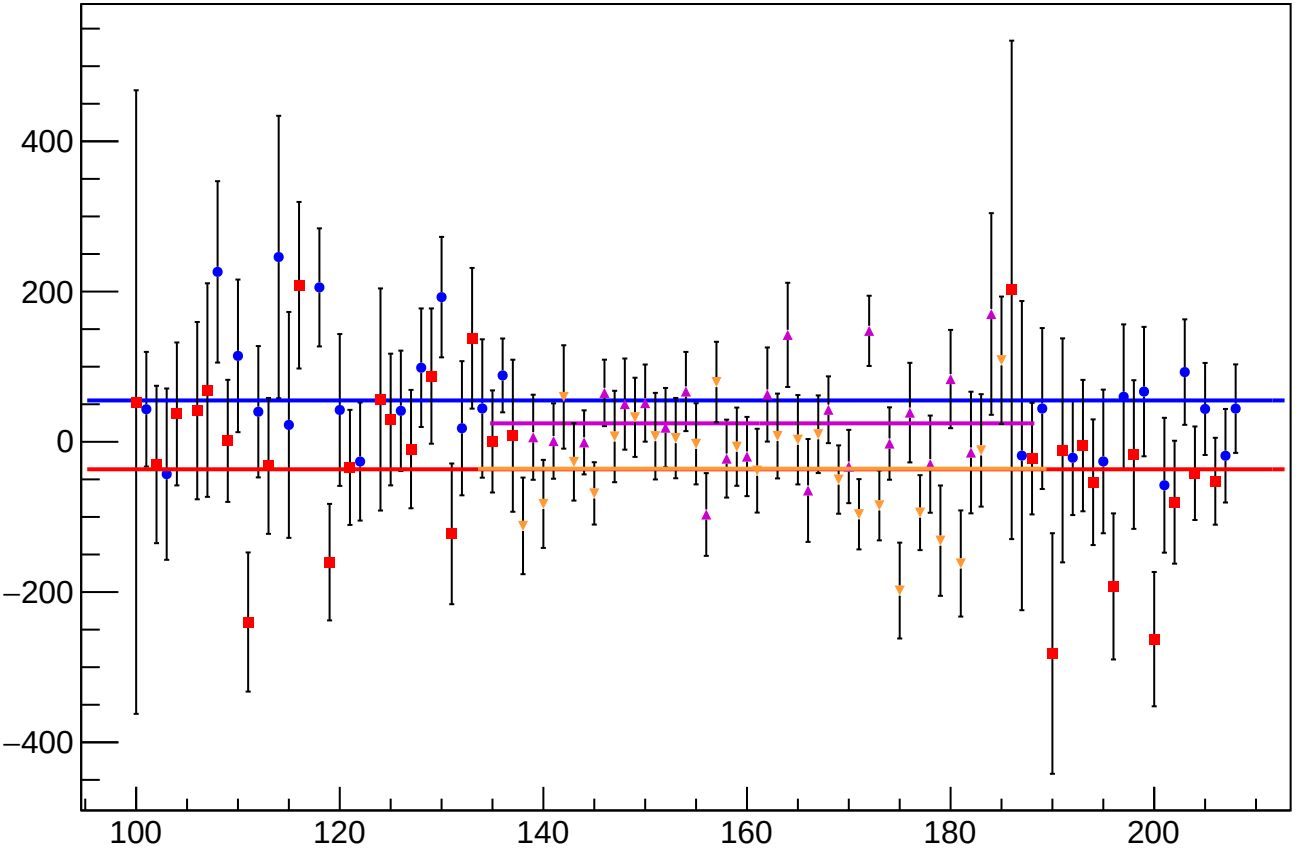
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 18063885.9/51

All: 0.000+/-0.000 χ^2/NDF: 37263363.9/105

- sign 0.000+/-0.000 χ^2/NDF: 19199231.1/53

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 55.074+/-15.927 χ^2/NDF: 18.1/26

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -36.574+/-16.380 χ^2/NDF: 34.4/30

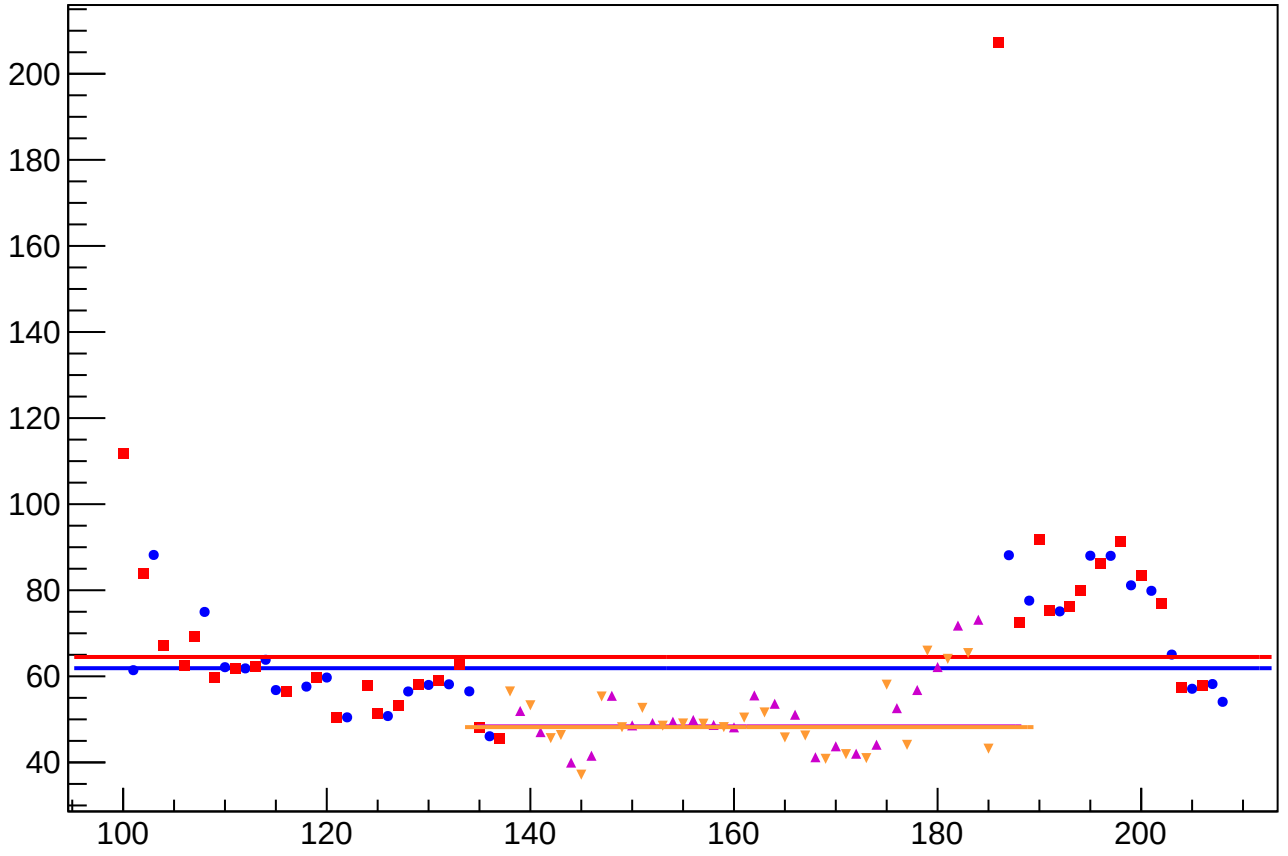
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -6.012+/-9.117 χ^2/NDF: 73.7/51

All: -0.938+/-6.543 χ^2/NDF: 143.8/105

- sign 4.451+/-9.396 χ^2/NDF: 69.5/53

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 61.891+/-0.011 χ^2/NDF: 1121741.5/26

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

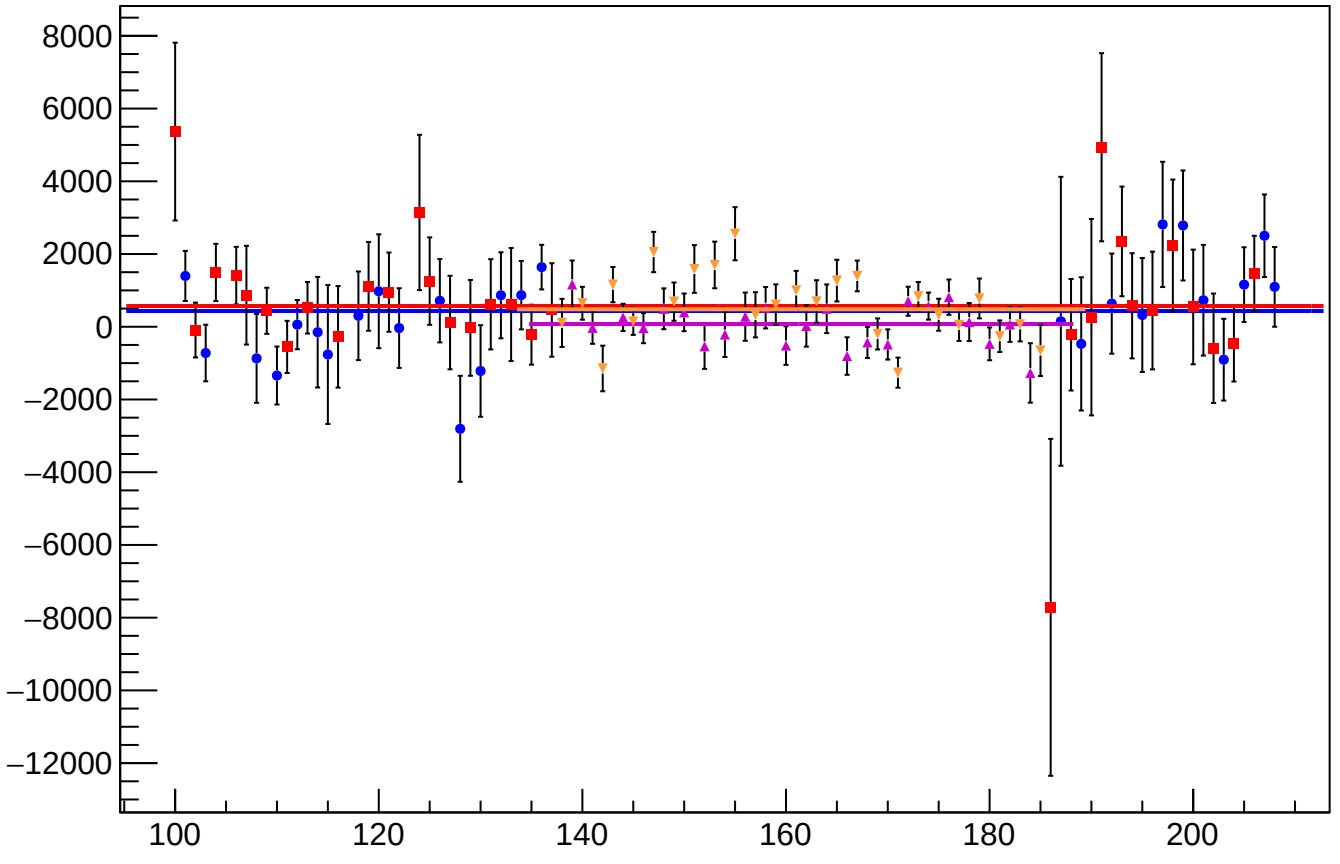
Right Out: 64.495+/-0.012 χ^2/NDF: 1487486.5/30

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.685+/-0.006 χ^2/NDF: 2895829.5/51

All: 53.169+/-0.005 χ^2/NDF: 6389055.1/105

- sign 53.683+/-0.007 χ^2/NDF: 3481607.9/53



Right In: 432.478+/-208.373 χ^2/NDF: 32.6/26

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 570.357+/-202.396 χ^2/NDF: 24.3/30

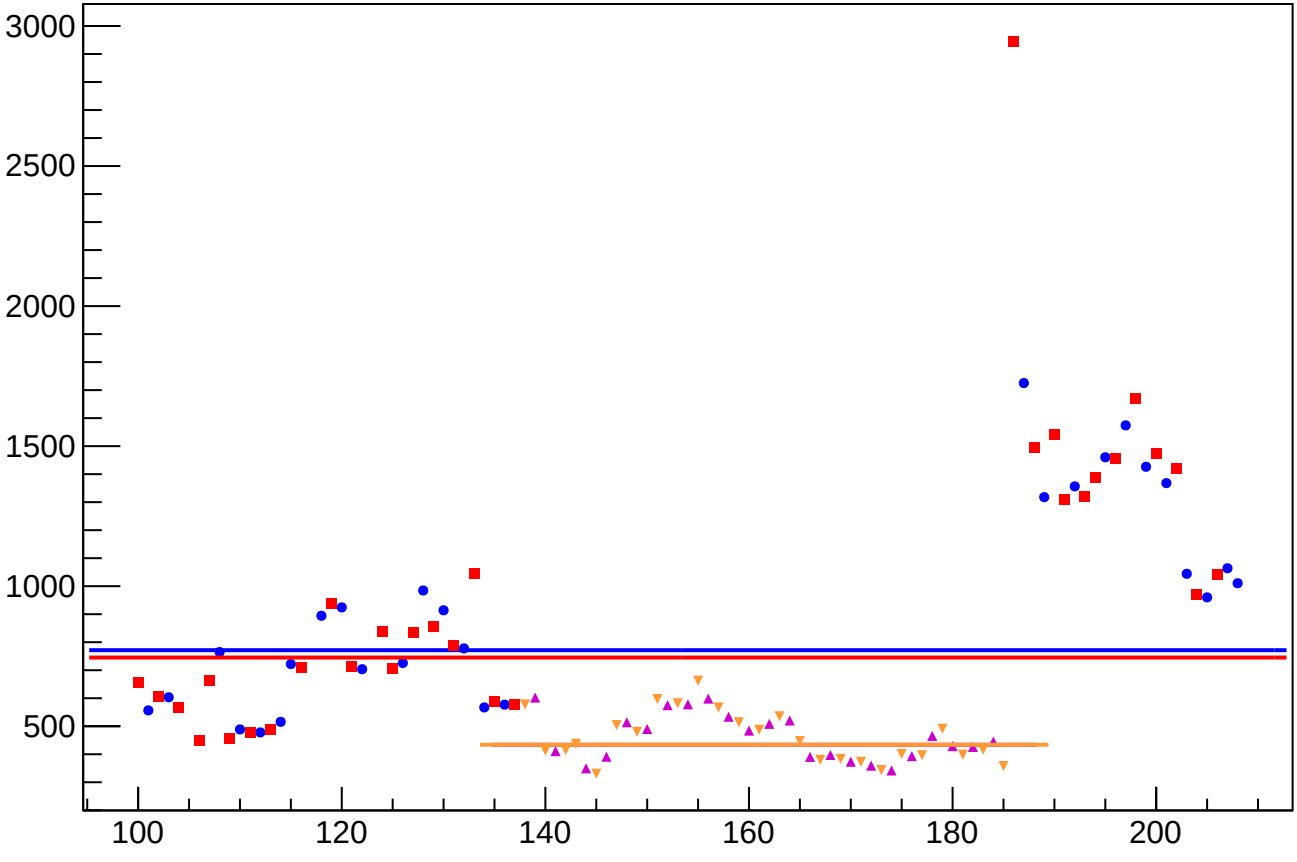
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 471.202+/-90.540 χ^2/NDF: 101.9/51

All: 326.582+/-64.493 χ^2/NDF: 160.5/105

- sign 177.626+/-91.888 χ^2/NDF: 53.5/53

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 771.490+/-0.147 χ^2/NDF: 3960451.2/26

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 745.208+/-0.143 χ^2/NDF: 5560864.4/30

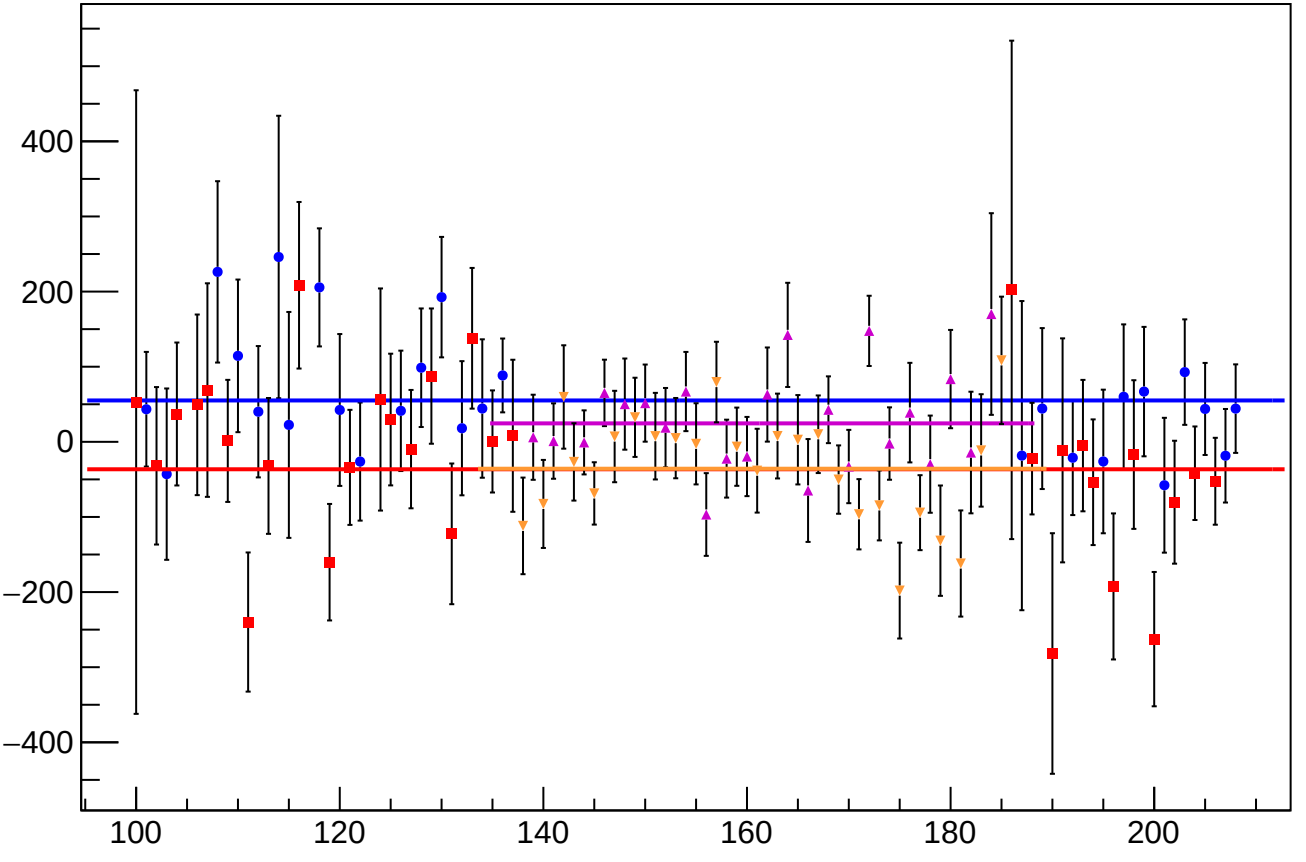
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 497.673+/-0.064 χ^2/NDF: 9461522.1/51

All: 497.797+/-0.046 χ^2/NDF: 19877801.4/10

- sign 497.923+/-0.065 χ^2/NDF: 10416271.8/53

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 55.078+/-15.927 χ^2/NDF: 18.1/26

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -36.527+/-16.386 χ^2/NDF: 34.4/30

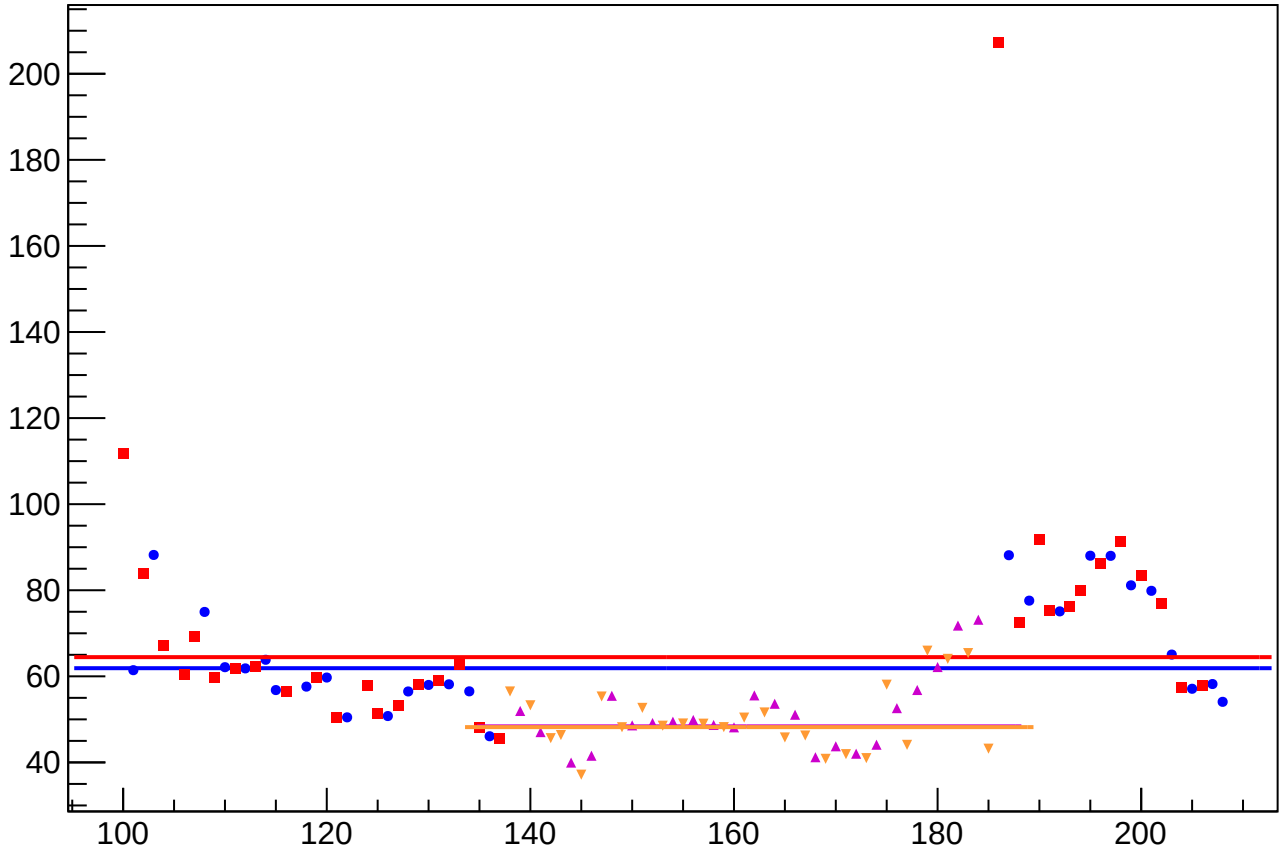
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -6.014+/-9.117 χ^2/NDF: 73.7/51

All: -0.927+/-6.544 χ^2/NDF: 143.8/105

- sign 4.477+/-9.397 χ^2/NDF: 69.5/53

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.891+/-0.011 χ^2/NDF: 1121744.9/26

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.459+/-0.012 χ^2/NDF: 1489378.5/30

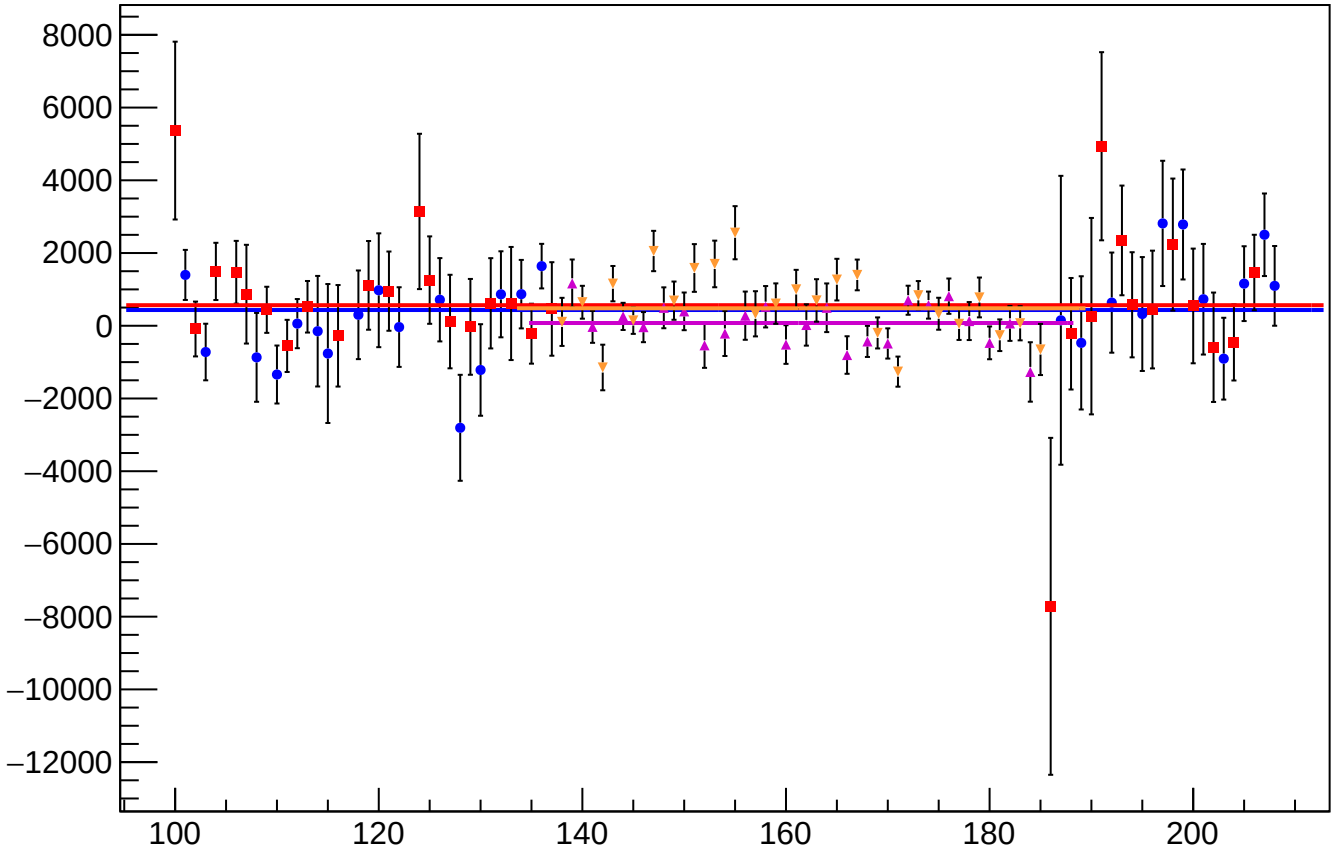
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.685+/-0.006 χ^2/NDF: 2895833.5/51

All: 53.162+/-0.005 χ^2/NDF: 6384190.7/105

- sign 53.669+/-0.007 χ^2/NDF: 3477074.2/53

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 432.509+/-208.374 χ^2/NDF: 32.6/26

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 565.365+/-203.462 χ^2/NDF: 24.2/30

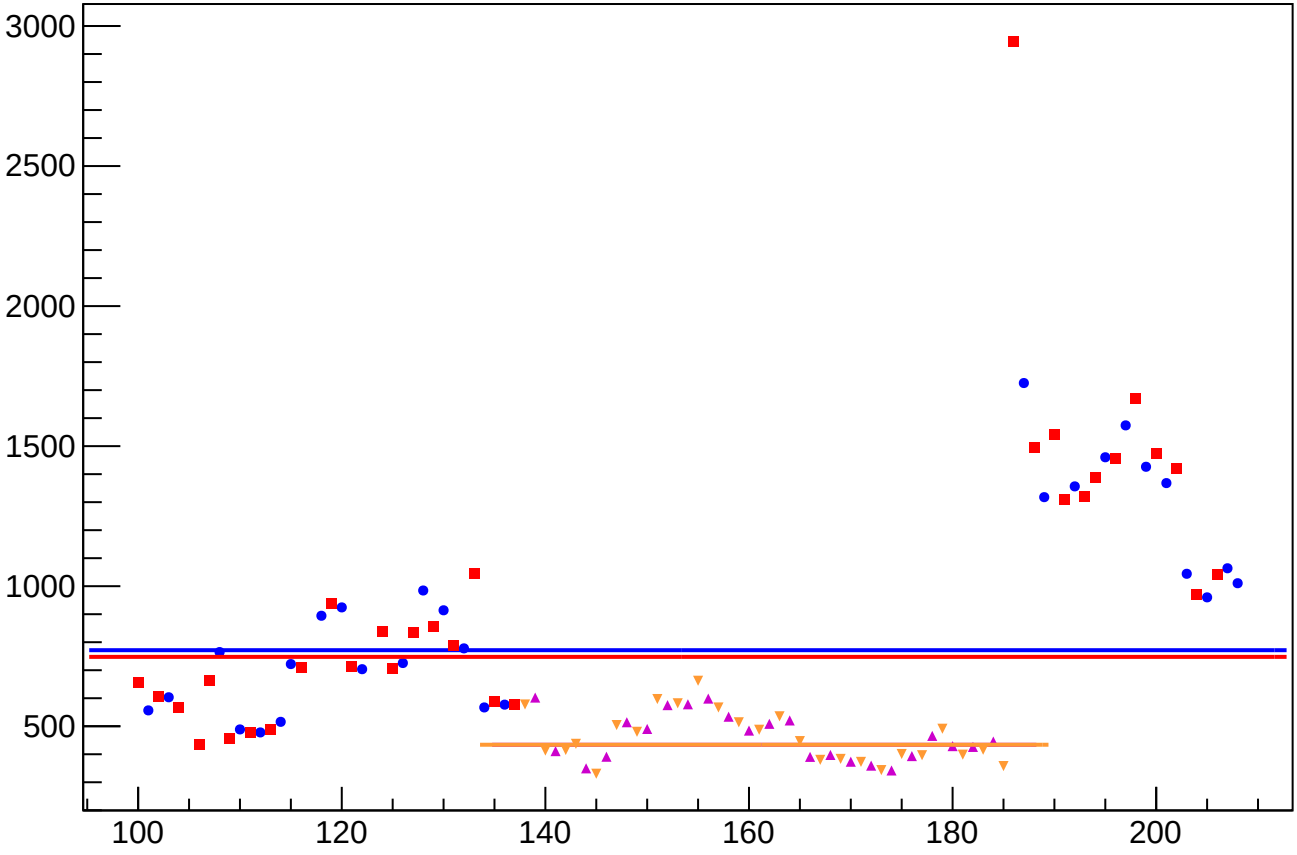
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 471.205+/-90.540 χ^2/NDF: 101.9/51

All: 325.824+/-64.527 χ^2/NDF: 160.4/105

- sign 175.760+/-91.987 χ^2/NDF: 53.3/53

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 771.495+/-0.147 χ^2/NDF: 3960386.4/26

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 747.627+/-0.144 χ^2/NDF: 5536926.2/30

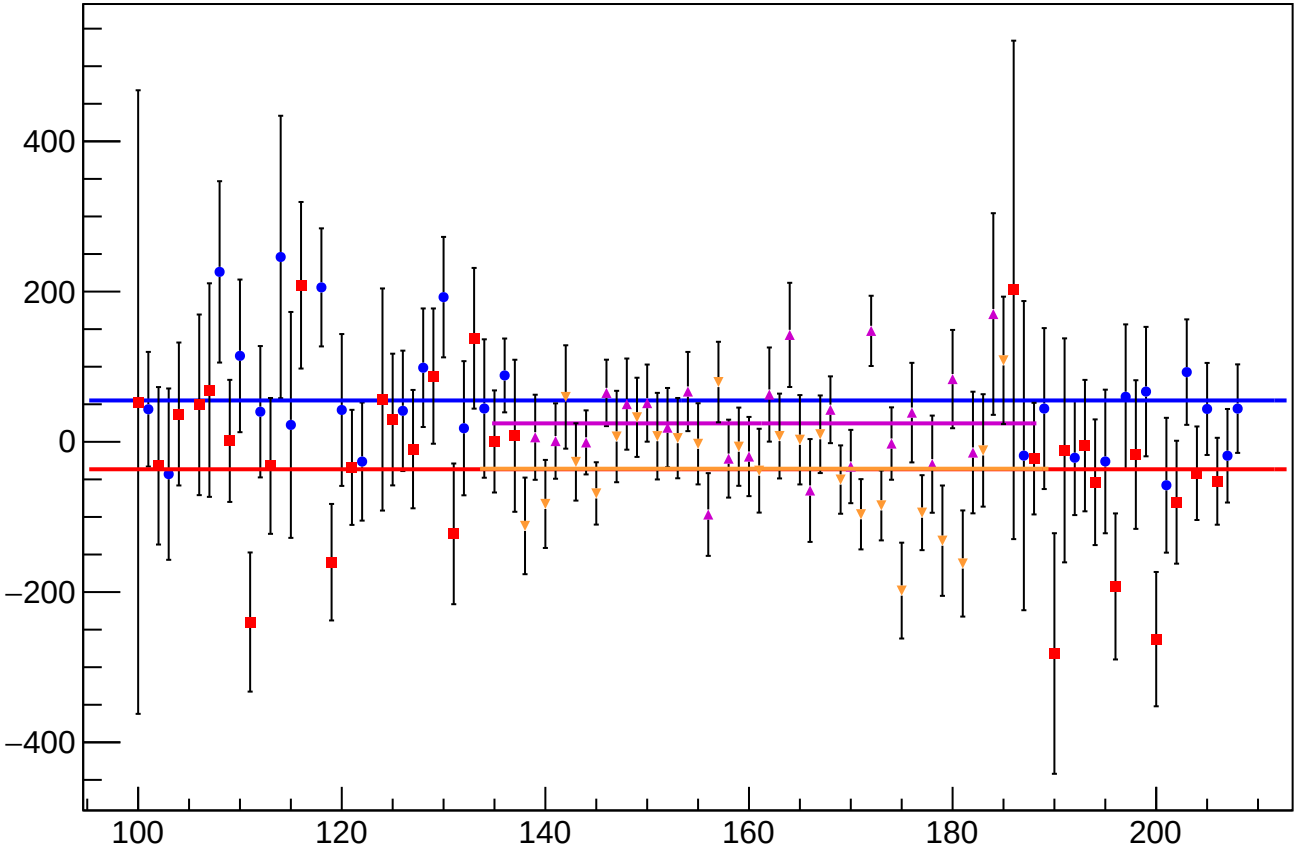
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 497.674+/-0.064 χ^2/NDF: 9461546.0/51

All: 497.777+/-0.046 χ^2/NDF: 19880766.1/10

- sign 497.884+/-0.065 χ^2/NDF: 10419214.8/53

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 55.078+/-15.927 χ^2/NDF: 18.1/26

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -36.527+/-16.386 χ^2/NDF: 34.4/30

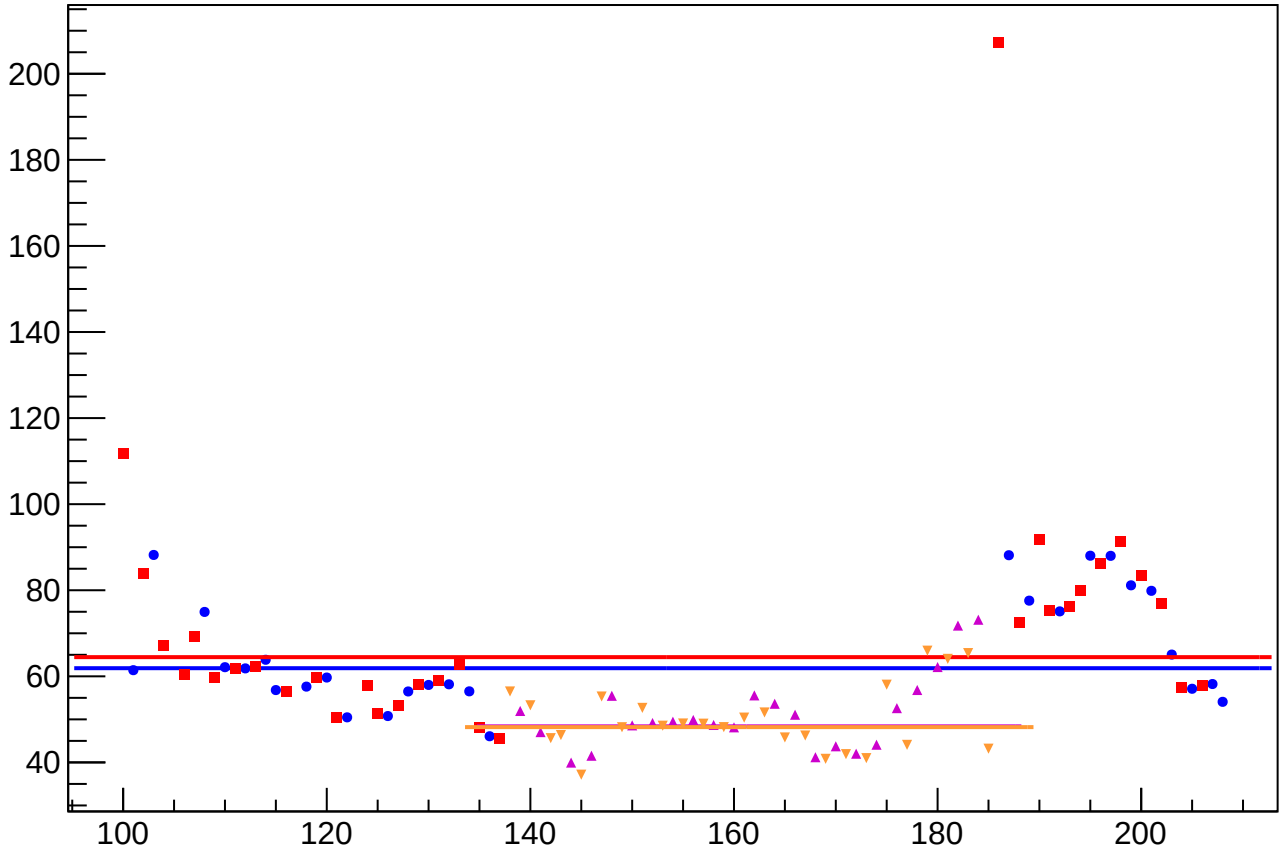
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -6.014+/-9.117 χ^2/NDF: 73.7/51

All: -0.927+/-6.544 χ^2/NDF: 143.8/105

- sign 4.477+/-9.397 χ^2/NDF: 69.5/53

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.891+/-0.011 χ^2/NDF: 1121744.9/26

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

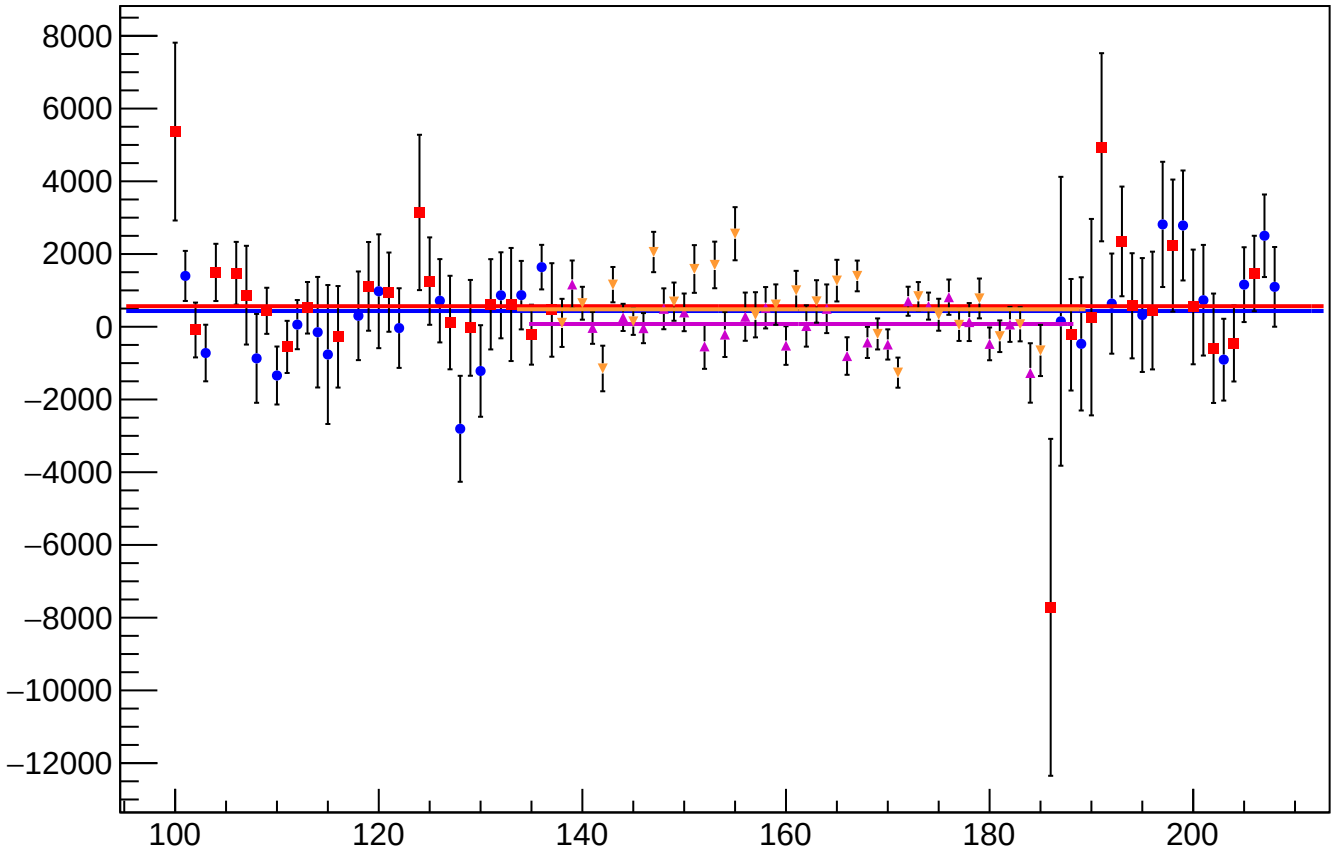
Right Out: 64.459+/-0.012 χ^2/NDF: 1489378.5/30

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.685+/-0.006 χ^2/NDF: 2895833.5/51

All: 53.162+/-0.005 χ^2/NDF: 6384190.7/105

- sign 53.669+/-0.007 χ^2/NDF: 3477074.2/53



Right In: 432.509+/-208.374 χ^2/NDF: 32.6/26

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 565.365+/-203.462 χ^2/NDF: 24.2/30

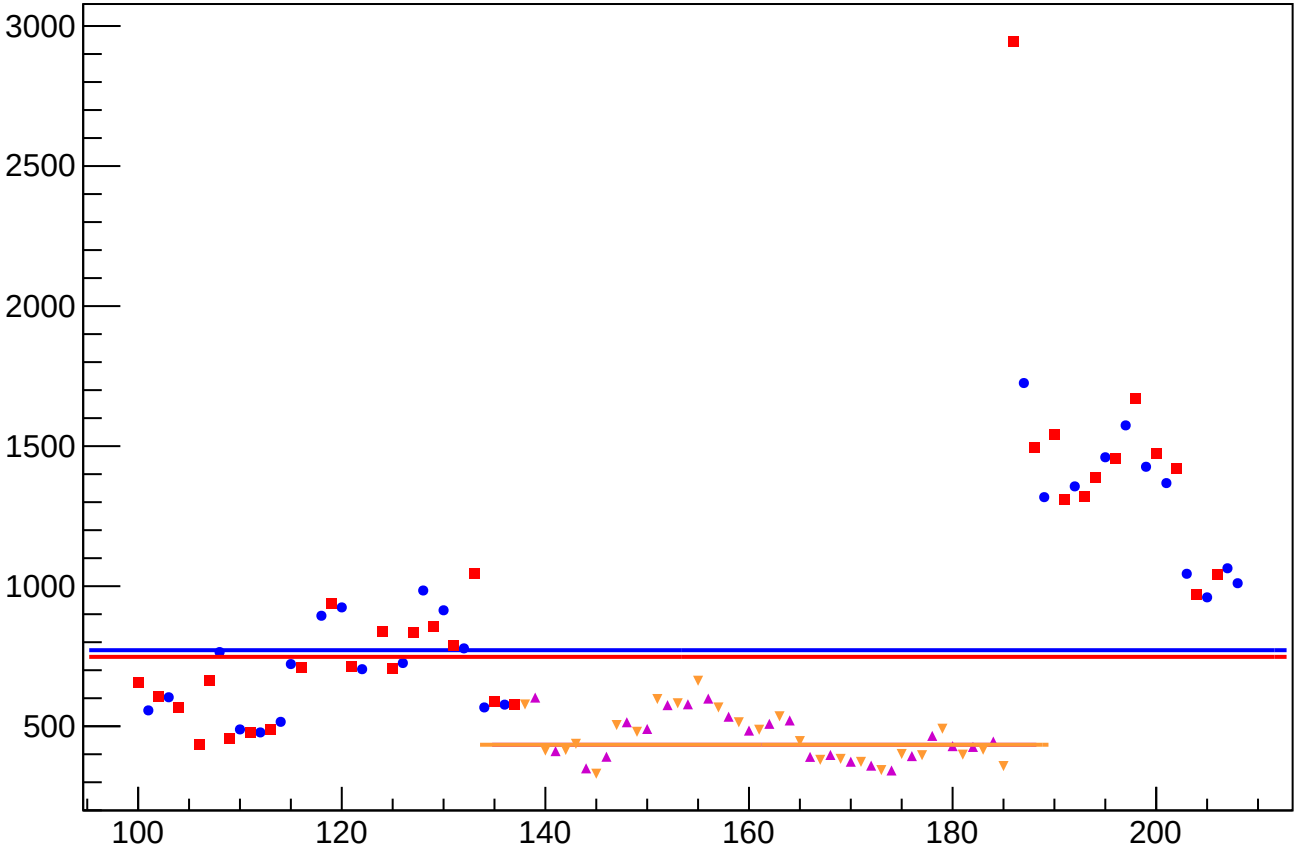
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 471.205+/-90.540 χ^2/NDF: 101.9/51

All: 325.824+/-64.527 χ^2/NDF: 160.4/105

- sign 175.760+/-91.987 χ^2/NDF: 53.3/53

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug



Right In: 771.495+/-0.147 χ^2/NDF: 3960386.4/26

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 747.627+/-0.144 χ^2/NDF: 5536926.2/30

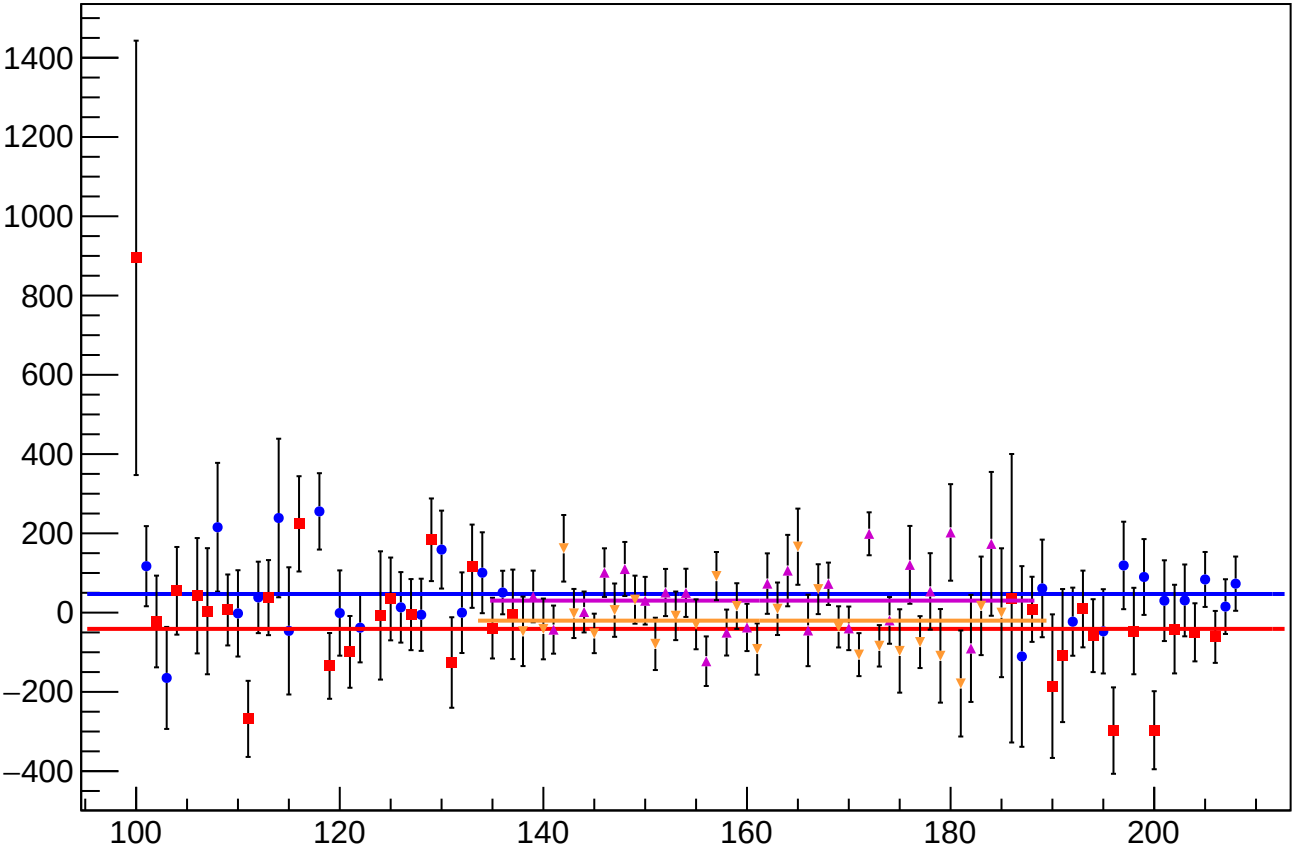
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 497.674+/-0.064 χ^2/NDF: 9461546.0/51

All: 497.777+/-0.046 χ^2/NDF: 19880766.1/10

- sign 497.884+/-0.065 χ^2/NDF: 10419214.8/53

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 47.017+/-18.205 χ^2/NDF: 17.1/26

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -41.037+/-18.546 χ^2/NDF: 39.4/30

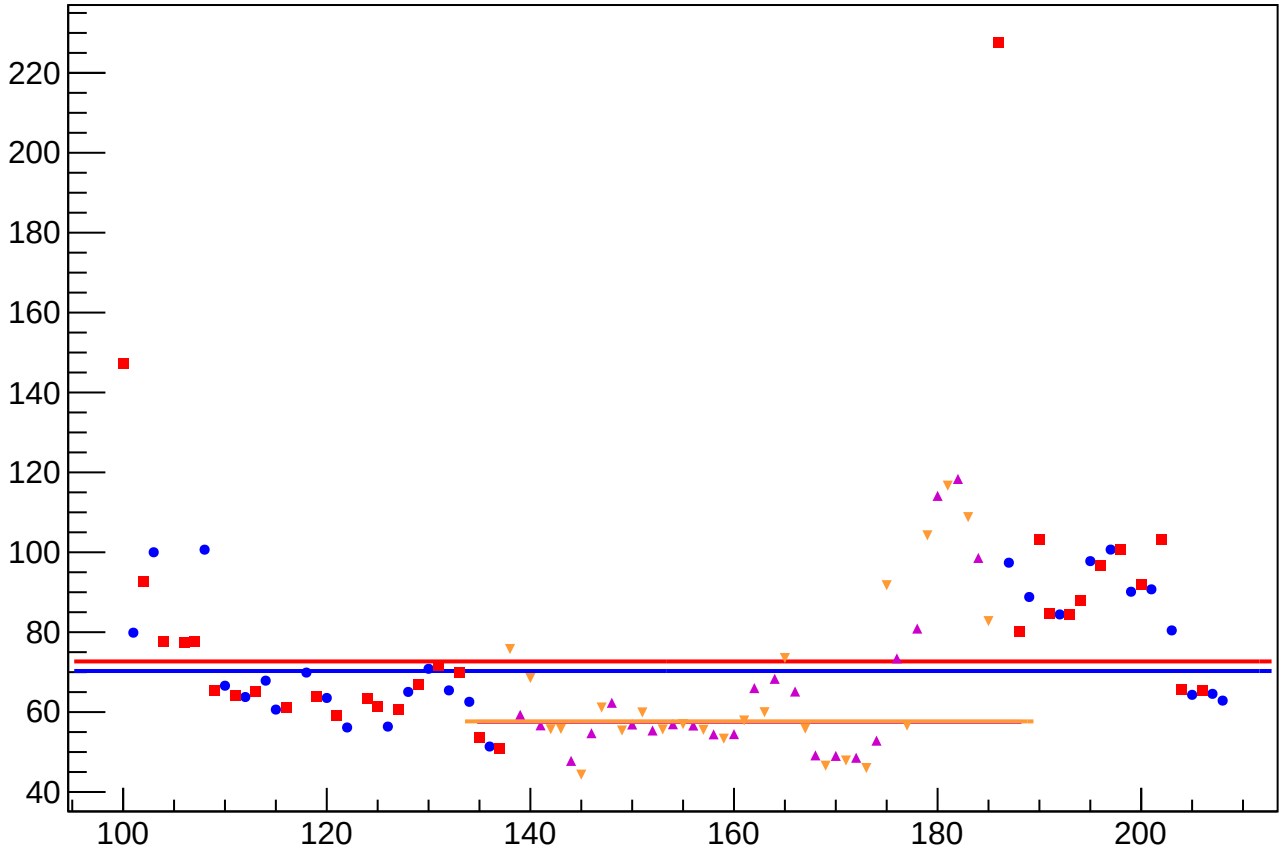
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 3.913+/-10.914 χ^2/NDF: 51.0/51

All: 4.184+/-7.804 χ^2/NDF: 132.4/105

- sign 4.467+/-11.163 χ^2/NDF: 81.4/53

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 70.284+/-0.013 χ^2/NDF: 1240841.0/26

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

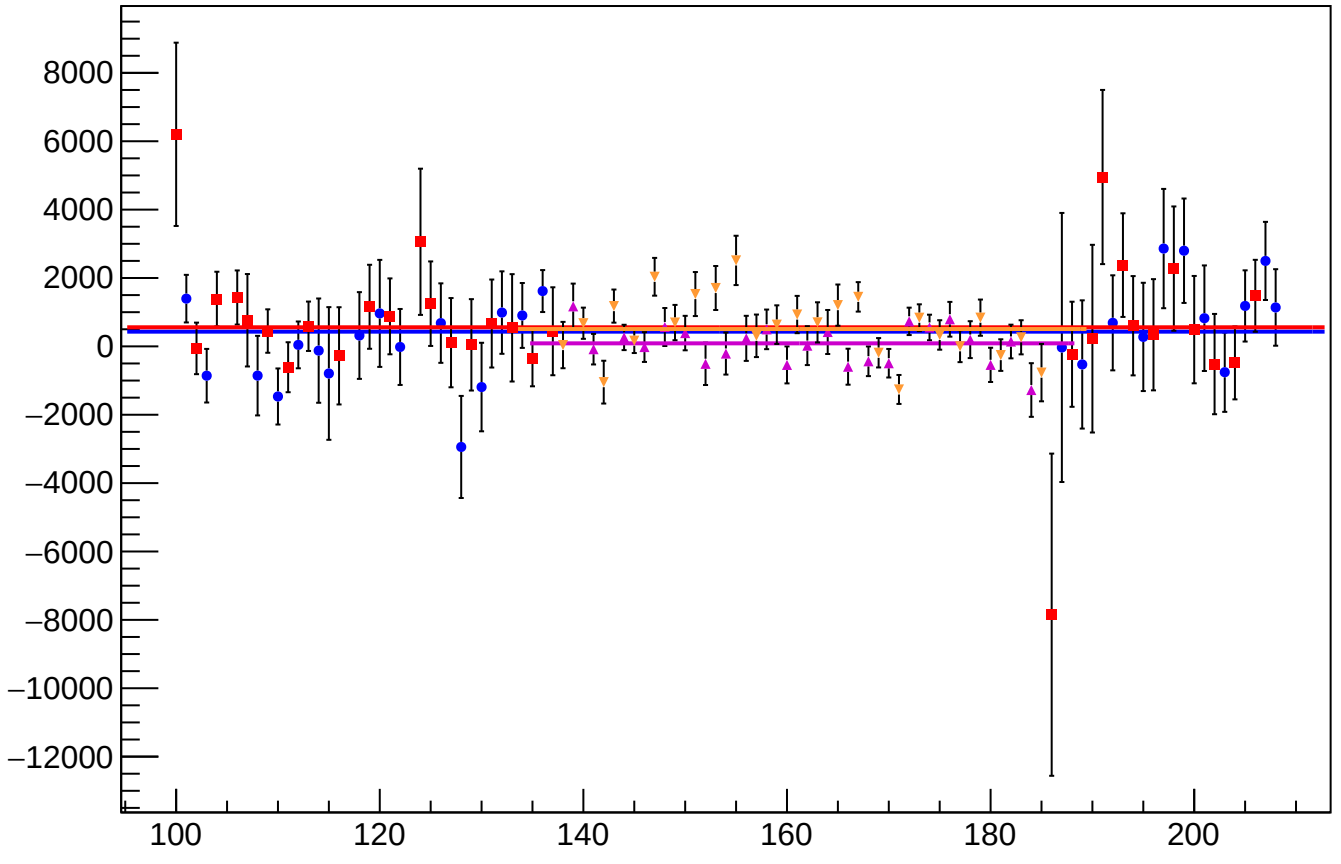
Right Out: 72.679+/-0.013 χ^2/NDF: 1530205.2/30

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 62.202+/-0.008 χ^2/NDF: 3765782.2/51

All: 62.604+/-0.006 χ^2/NDF: 7594742.7/105

- sign 63.024+/-0.008 χ^2/NDF: 3823413.3/53



Right In: 430.529+/-210.842 χ^2/NDF: 33.2/26

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 558.222+/-204.318 χ^2/NDF: 24.9/30

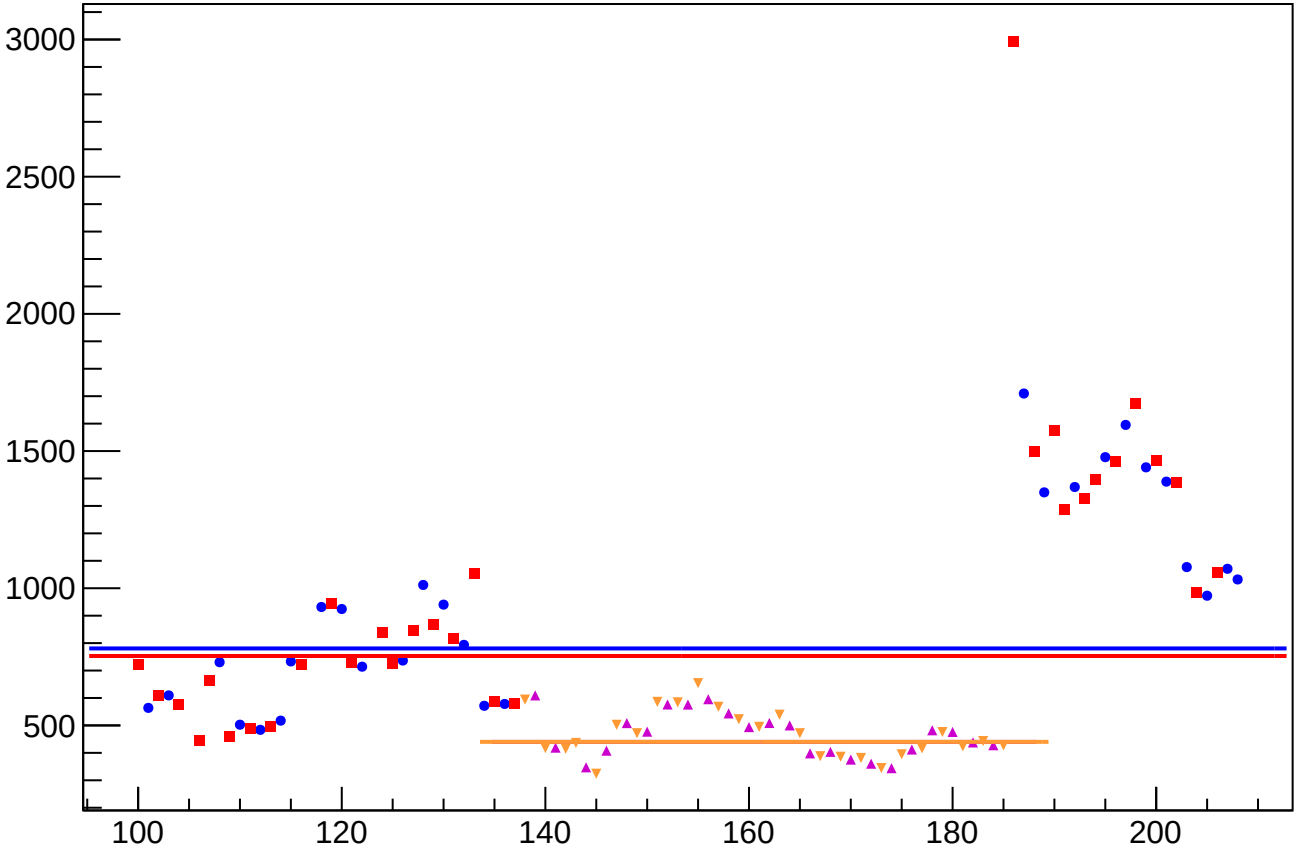
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 492.687+/-91.656 χ^2/NDF: 99.2/51

All: 341.653+/-65.304 χ^2/NDF: 157.0/105

- sign 185.935+/-93.067 χ^2/NDF: 52.4/53

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 780.591+/-0.149 χ^2/NDF: 3997126.1/26

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 753.052+/-0.144 χ^2/NDF: 5513687.5/30

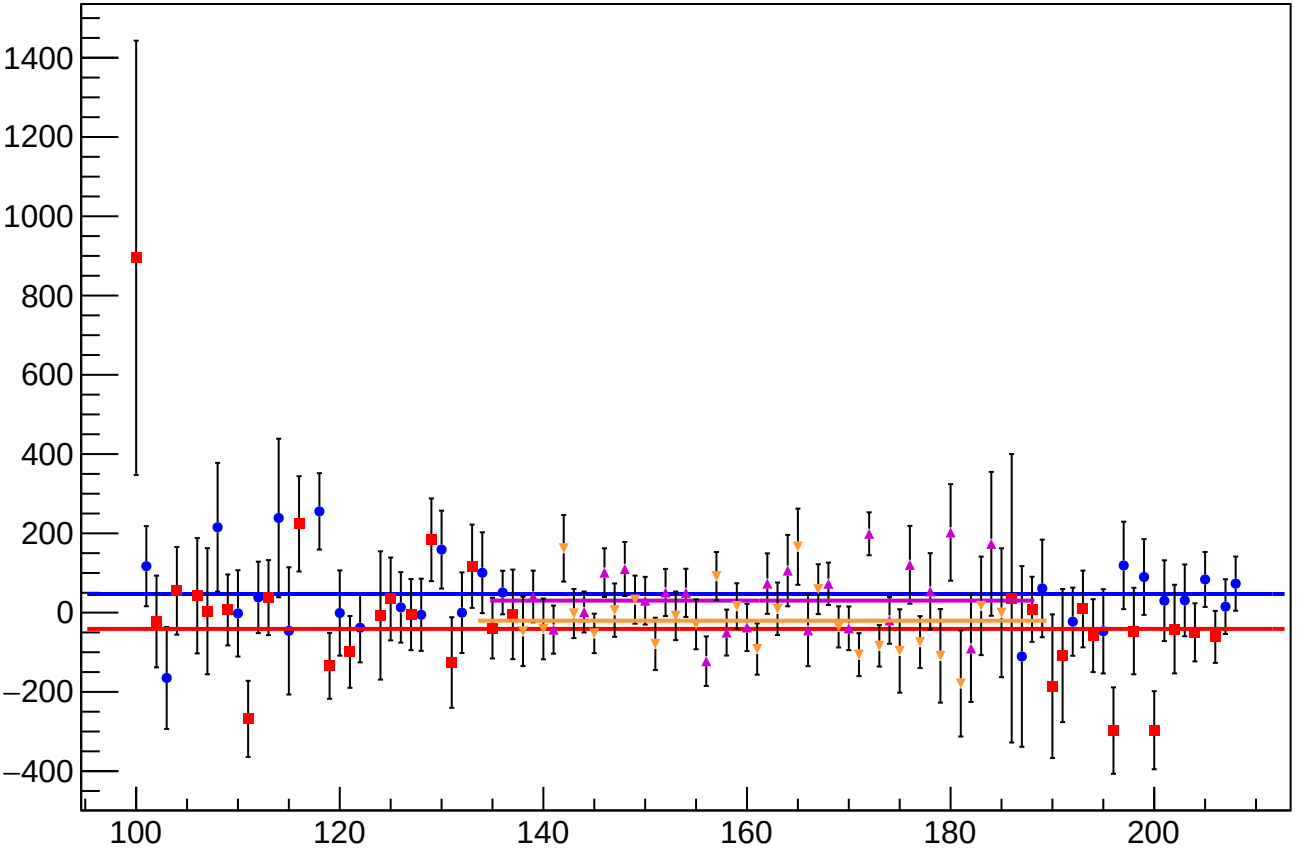
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 504.425+/-0.065 χ^2/NDF: 9424895.6/51

All: 504.637+/-0.046 χ^2/NDF: 19724456.8/10

- sign 504.855+/-0.066 χ^2/NDF: 10299539.6/53

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 47.015+/-18.205 χ^2/NDF: 17.1/26

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -41.037+/-18.546 χ^2/NDF: 39.4/30

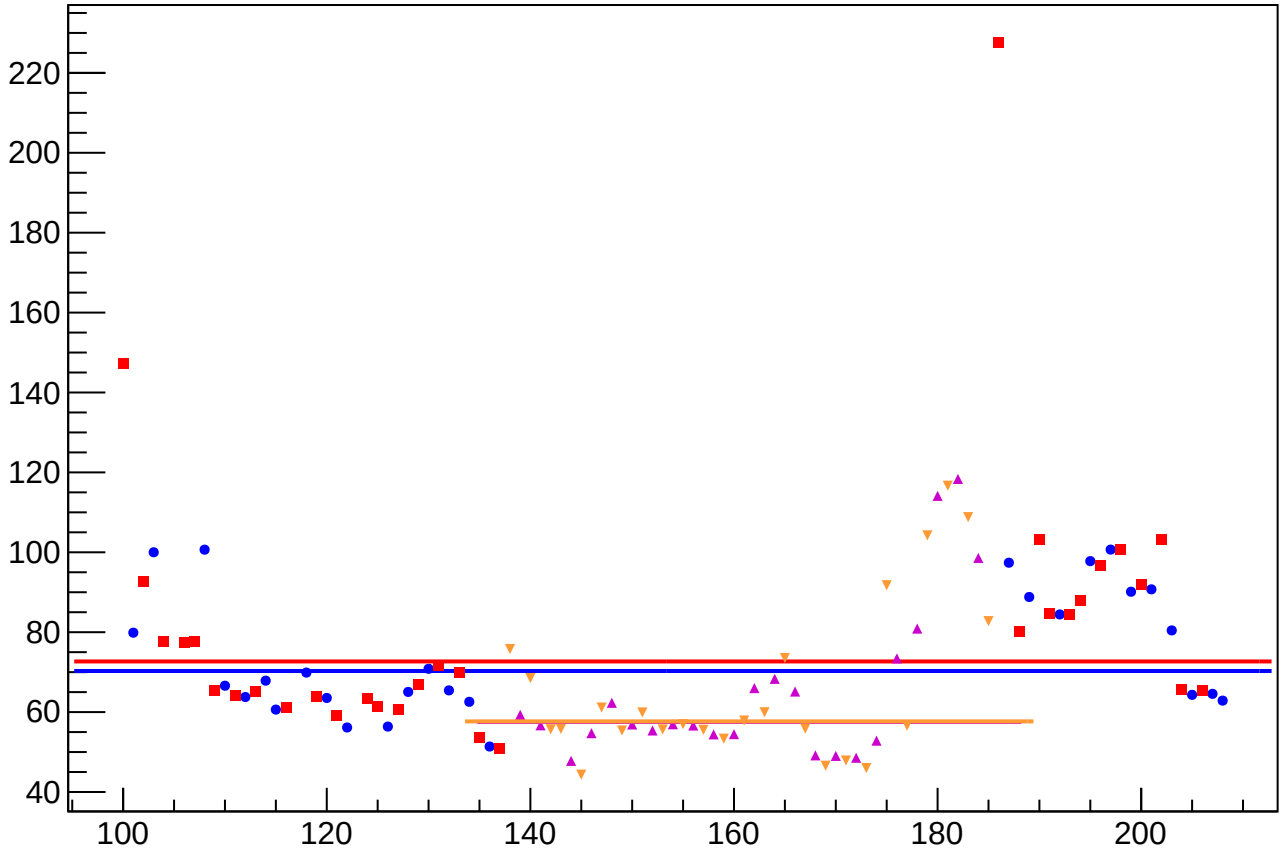
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

\+ sign 3.912+/-10.914 χ^2/NDF: 51.0/51

All: 4.183+/-7.804 χ^2/NDF: 132.4/105

\- sign 4.467+/-11.163 χ^2/NDF: 81.4/53

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 70.284+/-0.013 χ^2/NDF: 1240823.5/26

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

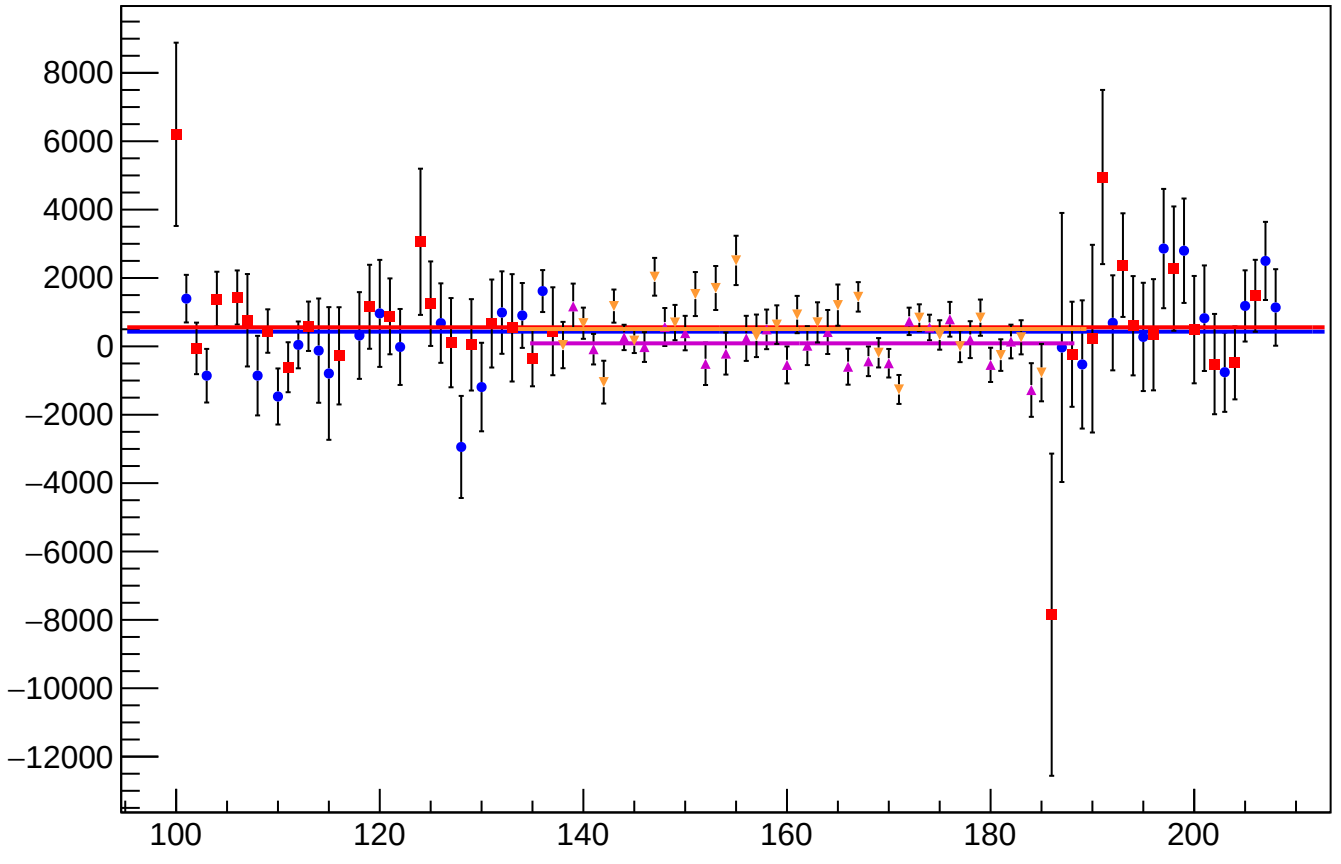
Right Out: 72.679+/-0.013 χ^2/NDF: 1530219.8/30

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 62.202+/-0.008 χ^2/NDF: 3765746.0/51

All: 62.604+/-0.006 χ^2/NDF: 7594688.6/105

- sign 63.024+/-0.008 χ^2/NDF: 3823396.2/53



Right In: 430.527+/-210.842 χ^2/NDF: 33.2/26

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

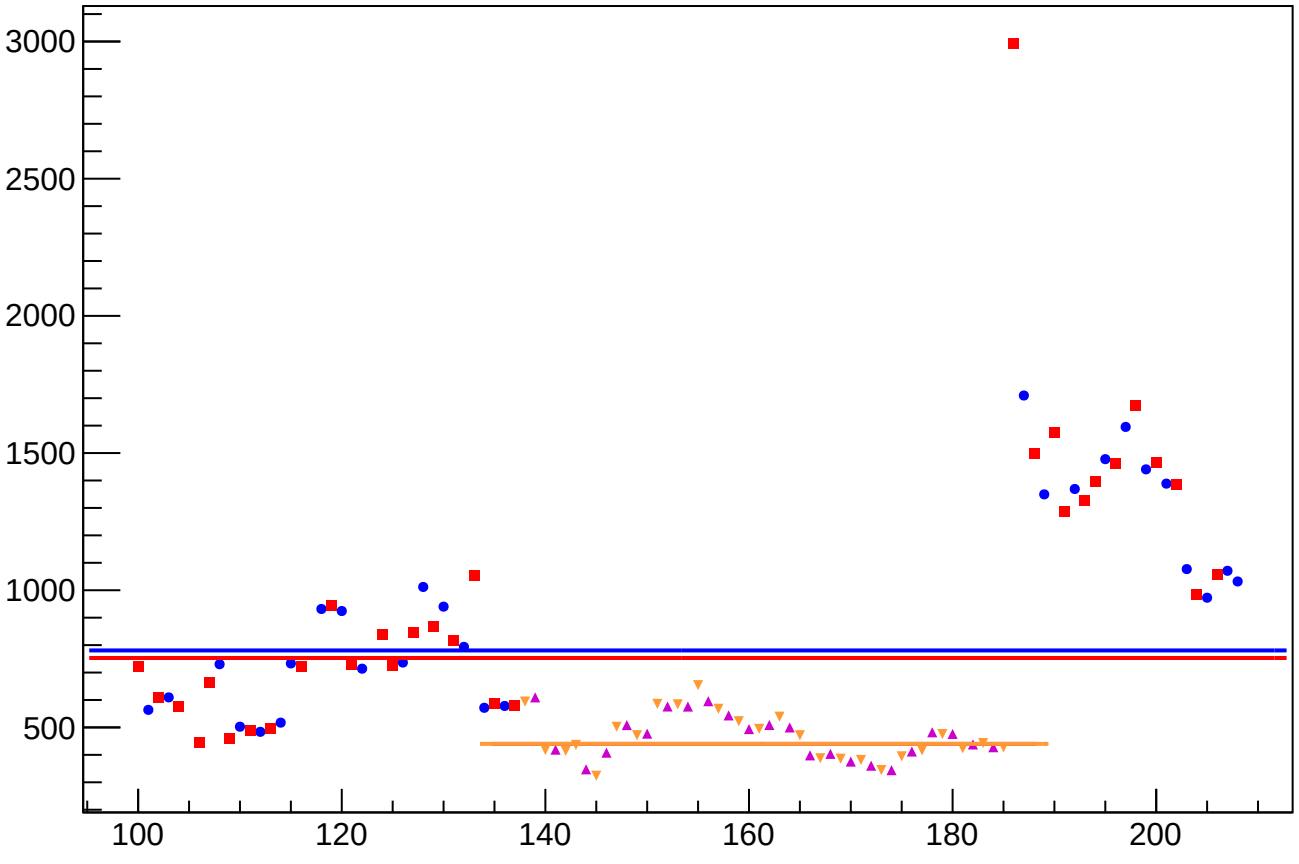
Right Out: 558.221+/-204.317 χ^2/NDF: 24.9/30

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

+ sign 492.686+/-91.656 χ^2/NDF: 99.2/51

All: 341.652+/-65.304 χ^2/NDF: 157.0/105

- sign 185.935+/-93.066 χ^2/NDF: 52.4/53



Right In: 780.590+/-0.149 χ^2/NDF: 3997131.5/26

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 753.051+/-0.144 χ^2/NDF: 5513690.7/30

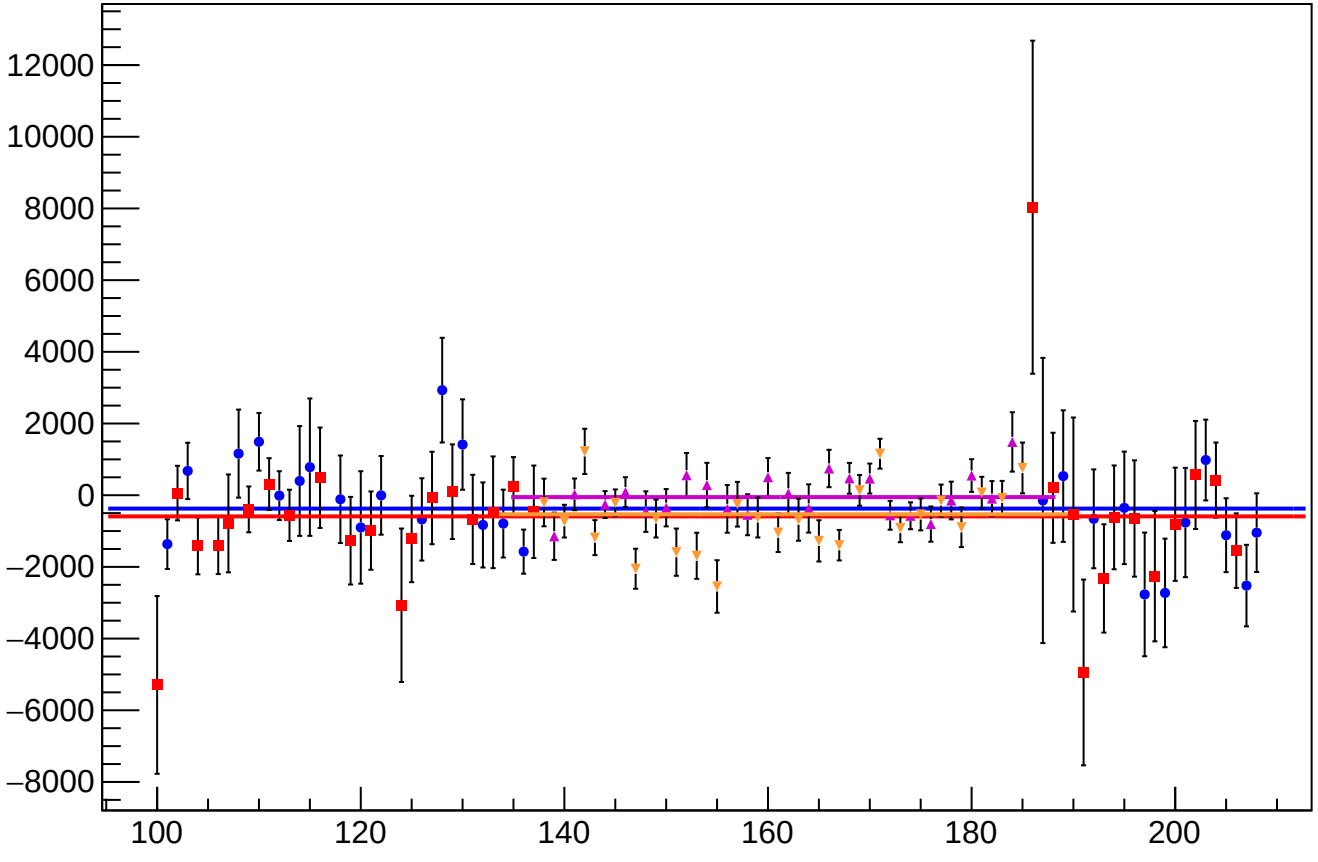
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 504.424+/-0.065 χ^2/NDF: 9424925.2/51

All: 504.635+/-0.046 χ^2/NDF: 19724514.2/10

- sign 504.853+/-0.066 χ^2/NDF: 10299567.4/53

asym_sam_15_48_dd_mean vs Slug



Right In: -373.683+/-209.348 χ^2/NDF: 33.9/26

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -591.051+/-203.631 χ^2/NDF: 23.2/30

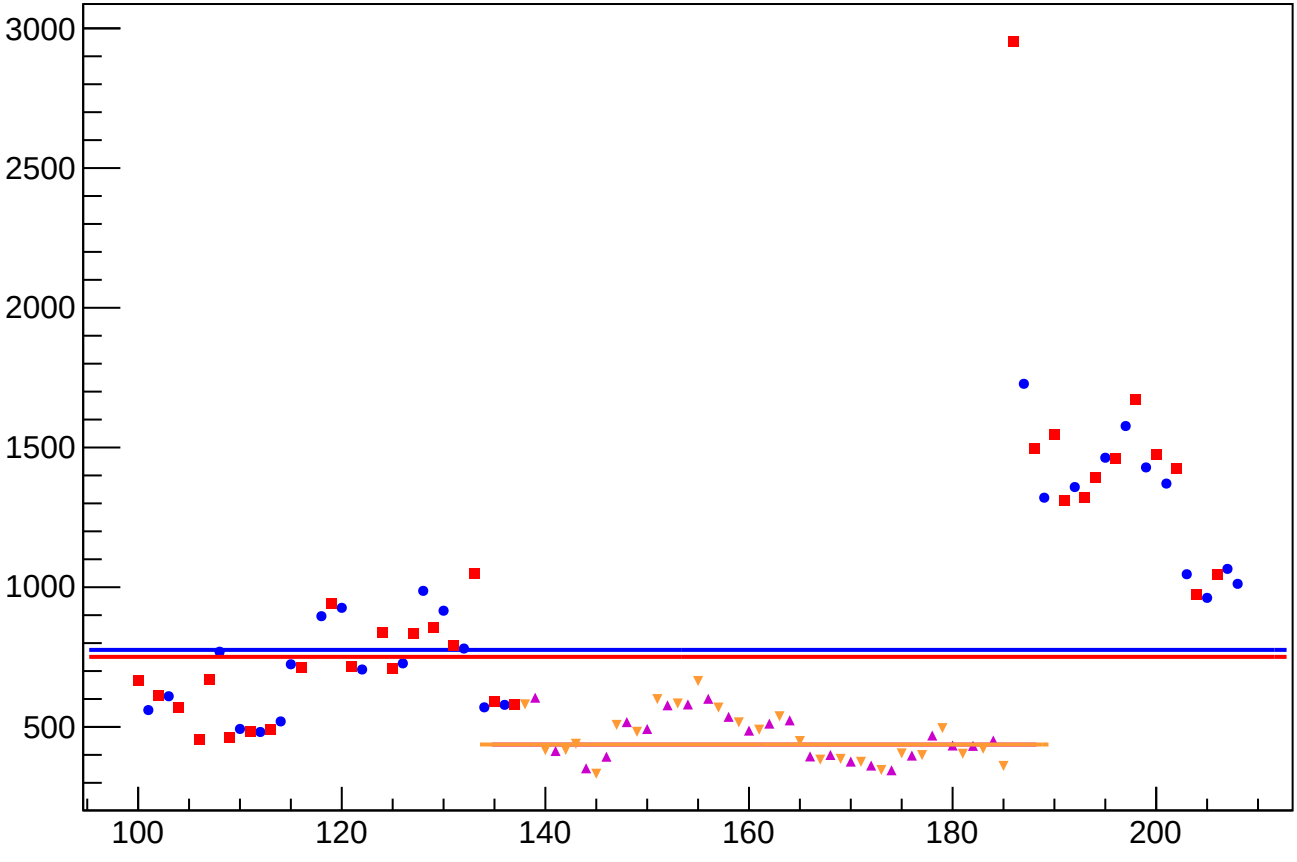
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -501.641+/-91.146 χ^2/NDF: 99.9/51

All: -335.232+/-64.933 χ^2/NDF: 159.6/105

- sign -163.737+/-92.528 χ^2/NDF: 52.9/53

asym_sam_15_48_dd_rms vs Slug



Right In: 775.739+/-0.148 χ^2/NDF: 3916666.2/26

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

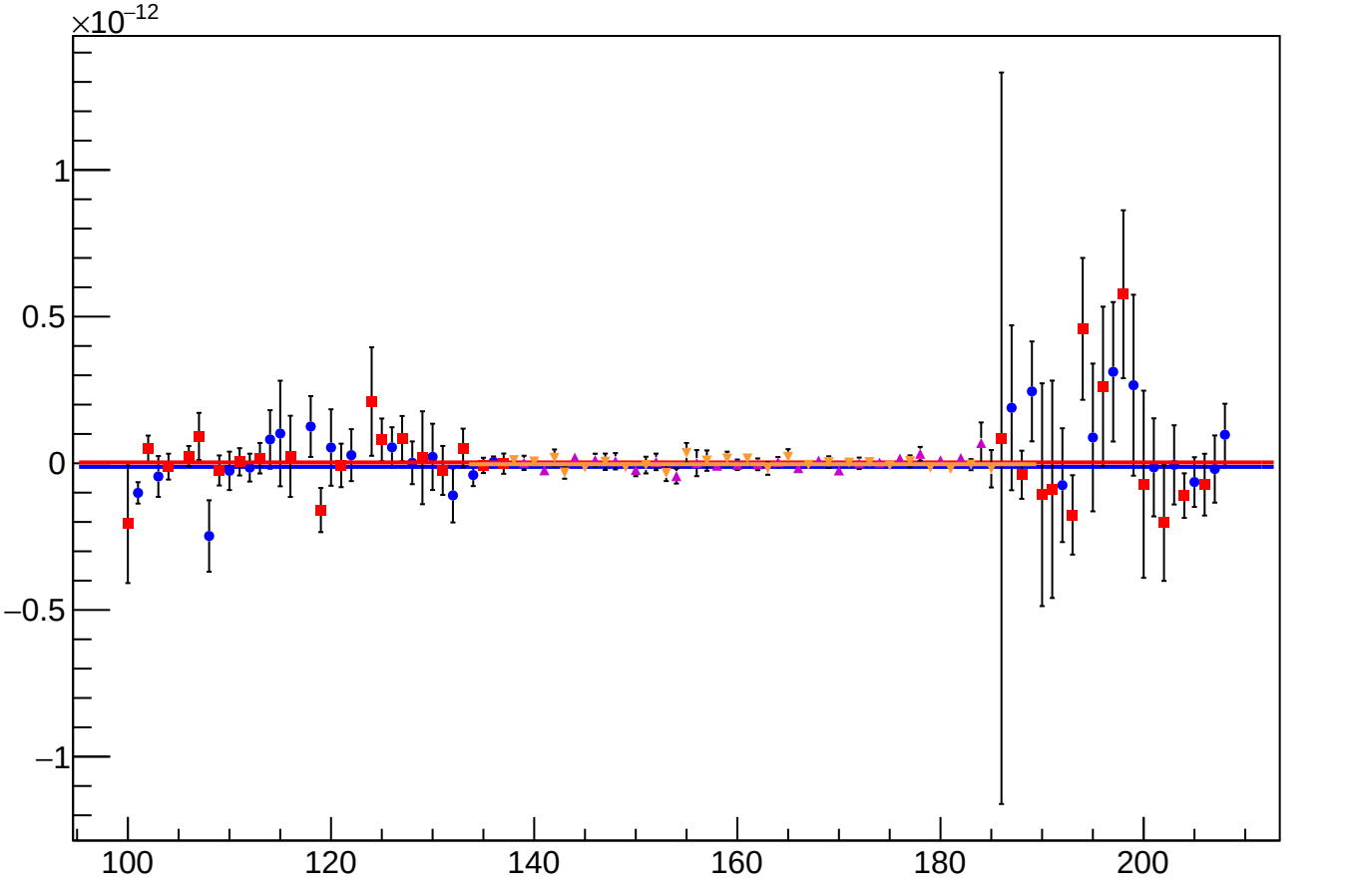
Right Out: 750.724+/-0.144 χ^2/NDF: 5489601.5/30

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 501.337+/-0.064 χ^2/NDF: 9383919.6/51

All: 501.528+/-0.046 χ^2/NDF: 19722144.3/10

- sign 501.725+/-0.065 χ^2/NDF: 10338206.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

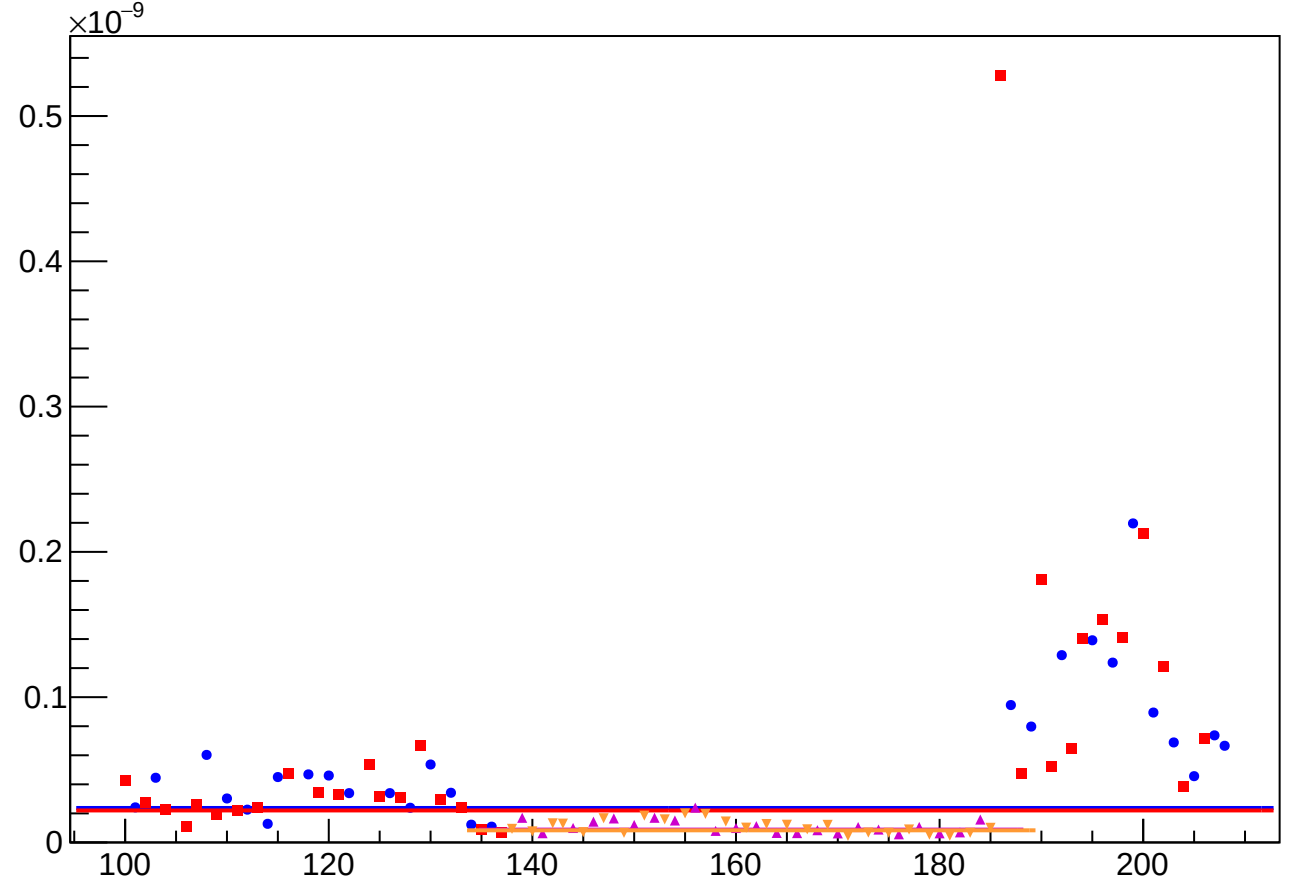
Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/30

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.0/51

All: -0.000+/-0.000 χ^2/NDF: 89.2/105

- sign -0.000+/-0.000 χ^2/NDF: 49.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 5851942.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5749823.7/30

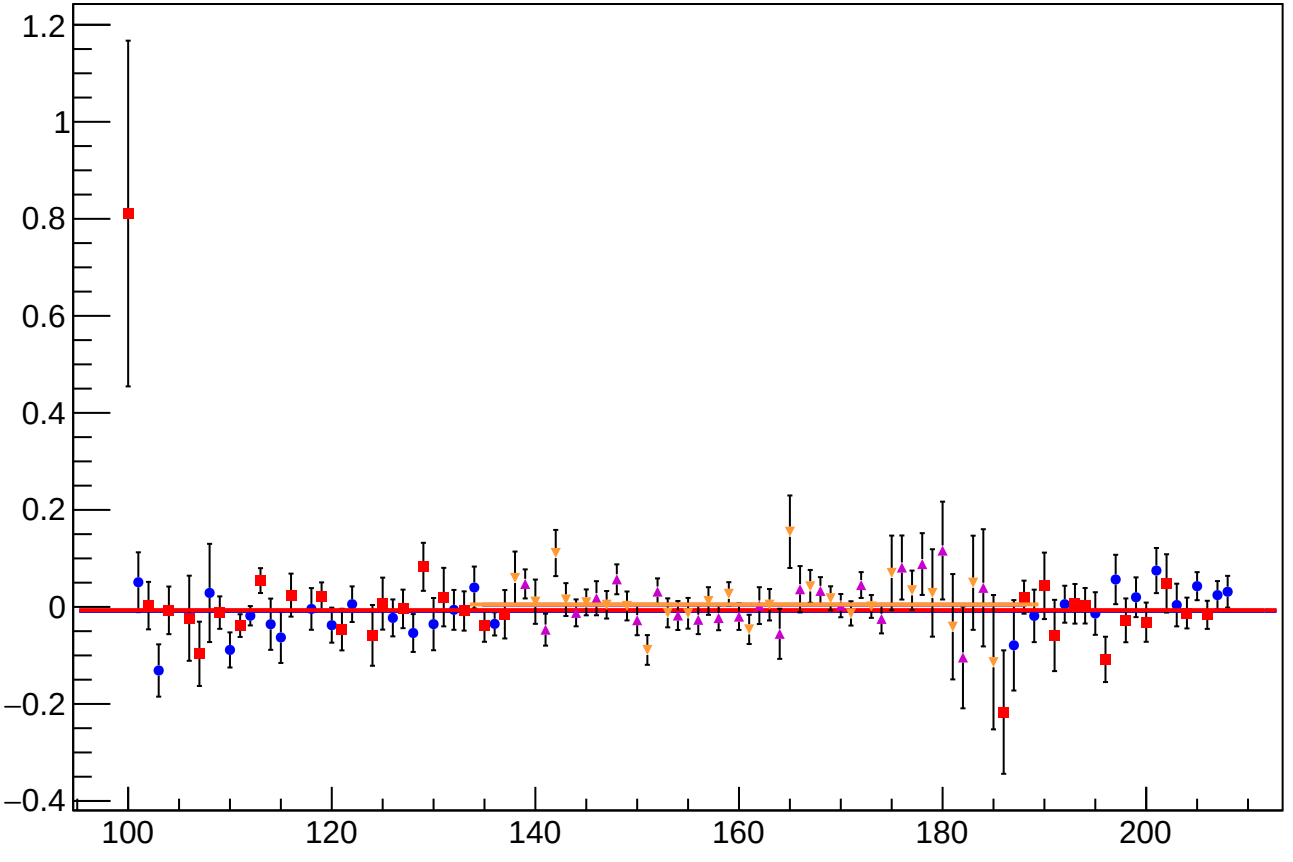
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11037766.1/51

All: 0.000+/-0.000 χ^2/NDF: 20782387.1/105

- sign 0.000+/-0.000 χ^2/NDF: 9720606.1/53

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.007 χ^2/NDF: 29.8/26

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

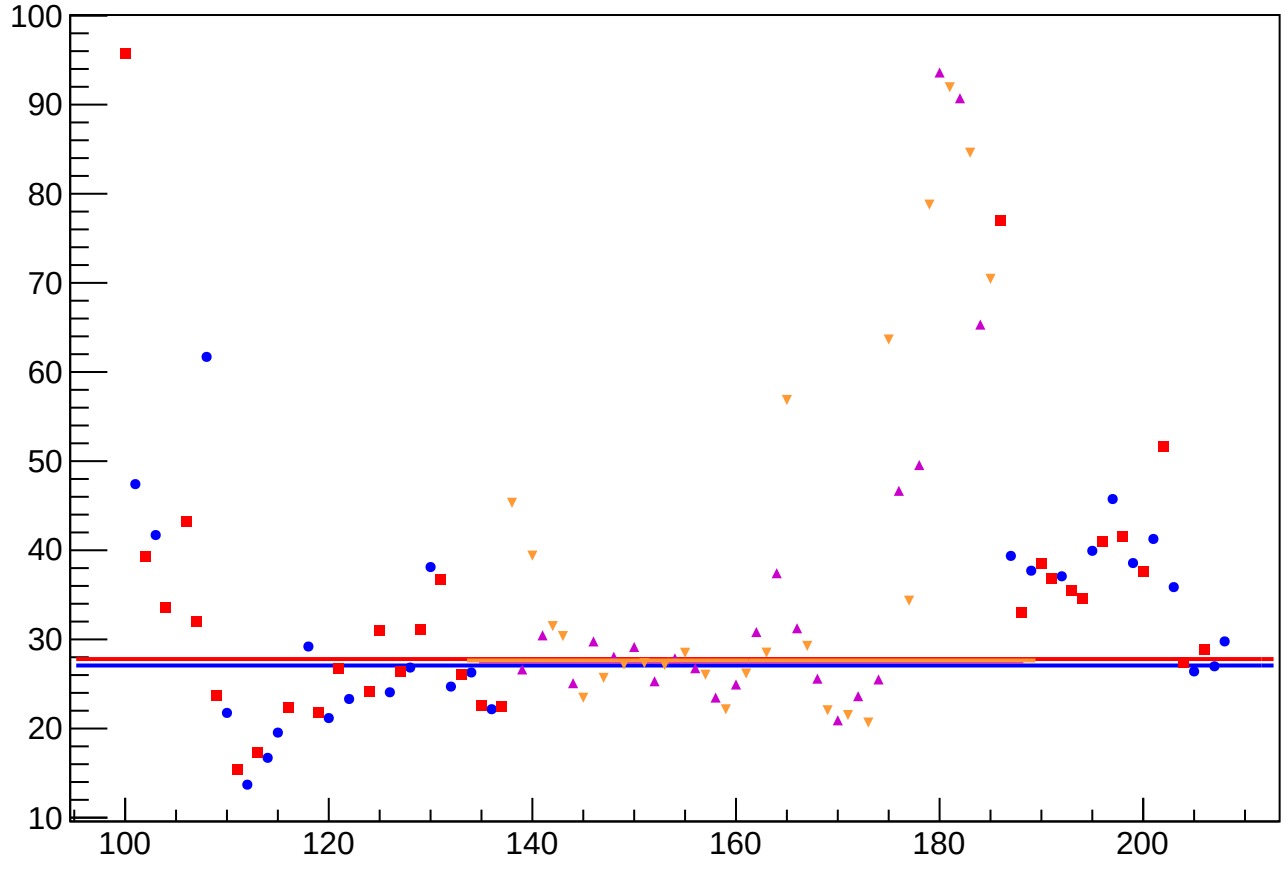
Right Out: -0.007+/-0.007 χ^2/NDF: 33.2/30

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.001+/-0.005 χ^2/NDF: 60.0/51

All: -0.001+/-0.004 χ^2/NDF: 119.5/105

- sign -0.001+/-0.005 χ^2/NDF: 59.5/53



Right In: 27.073+/-0.005 χ^2/NDF: 3057802.5/26

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

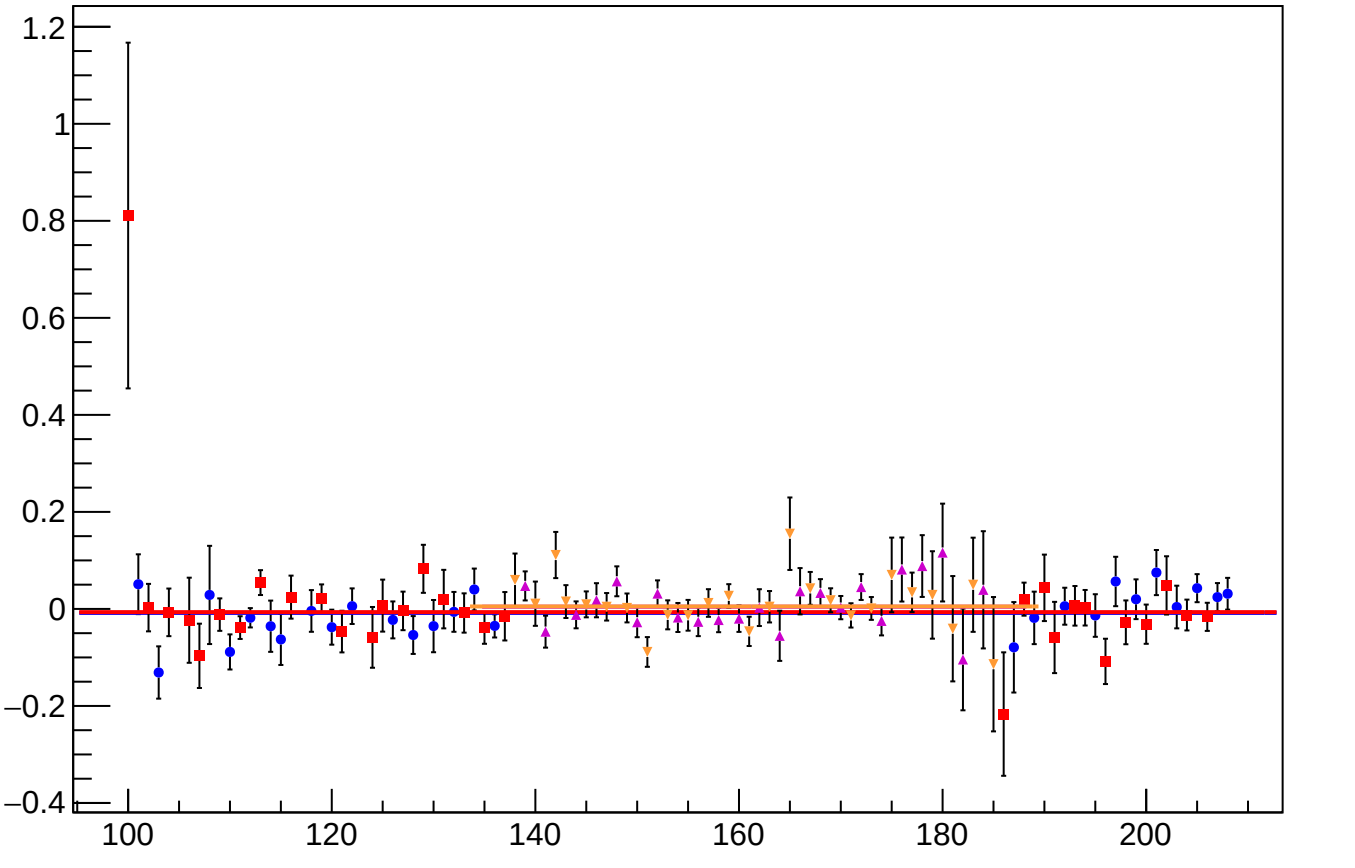
Right Out: 27.797+/-0.005 χ^2/NDF: 2822047.3/30

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.375+/-0.004 χ^2/NDF: 7038107.8/51

All: 27.513+/-0.003 χ^2/NDF: 12499145.0/105

- sign 27.653+/-0.004 χ^2/NDF: 5458024.9/53



Right In: -0.008+/-0.007 χ^2/NDF: 29.8/26

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

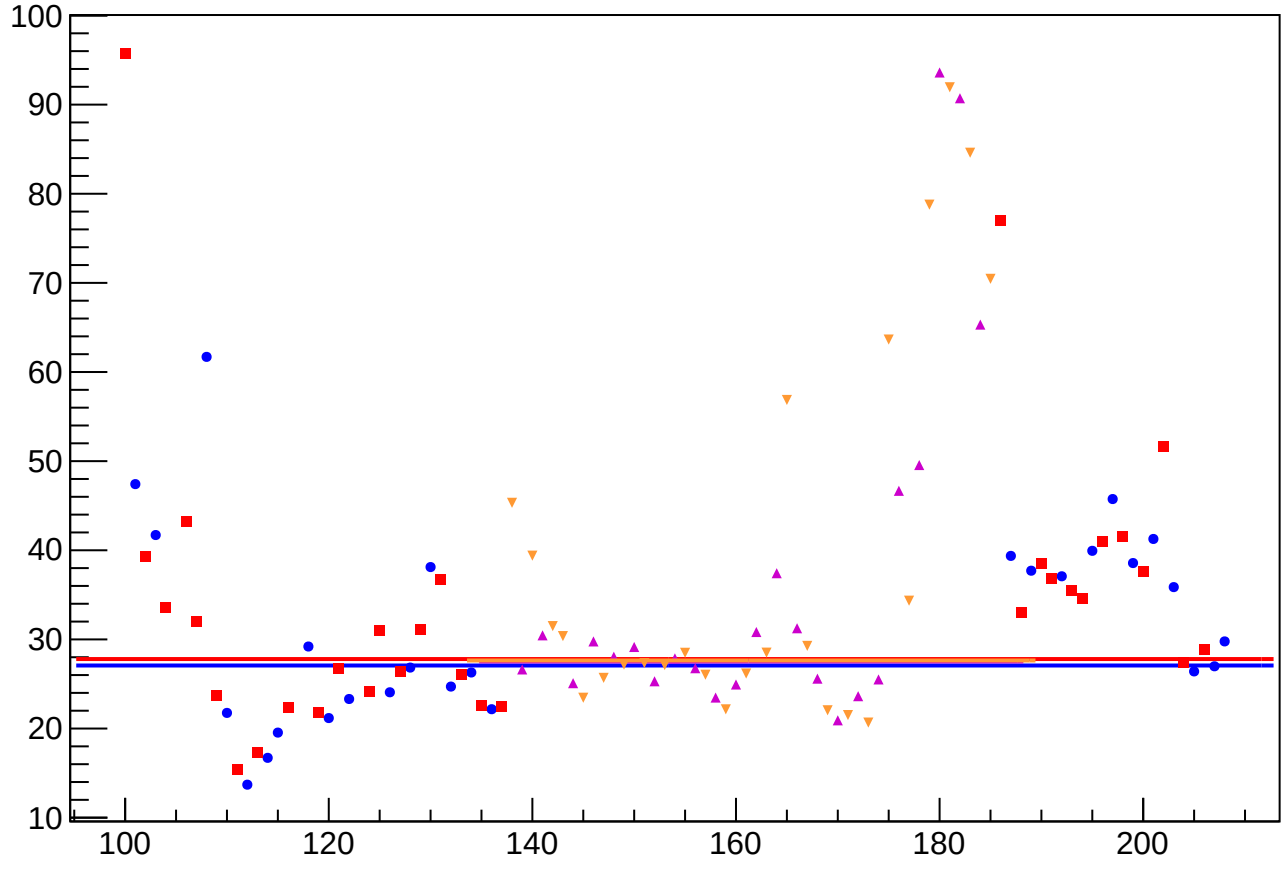
Right Out: -0.007+/-0.007 χ^2/NDF: 33.2/30

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.001+/-0.005 χ^2/NDF: 60.0/51

All: -0.001+/-0.004 χ^2/NDF: 119.5/105

- sign -0.001+/-0.005 χ^2/NDF: 59.5/53



Right In: 27.073+/-0.005 χ^2/NDF: 3057802.5/26

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

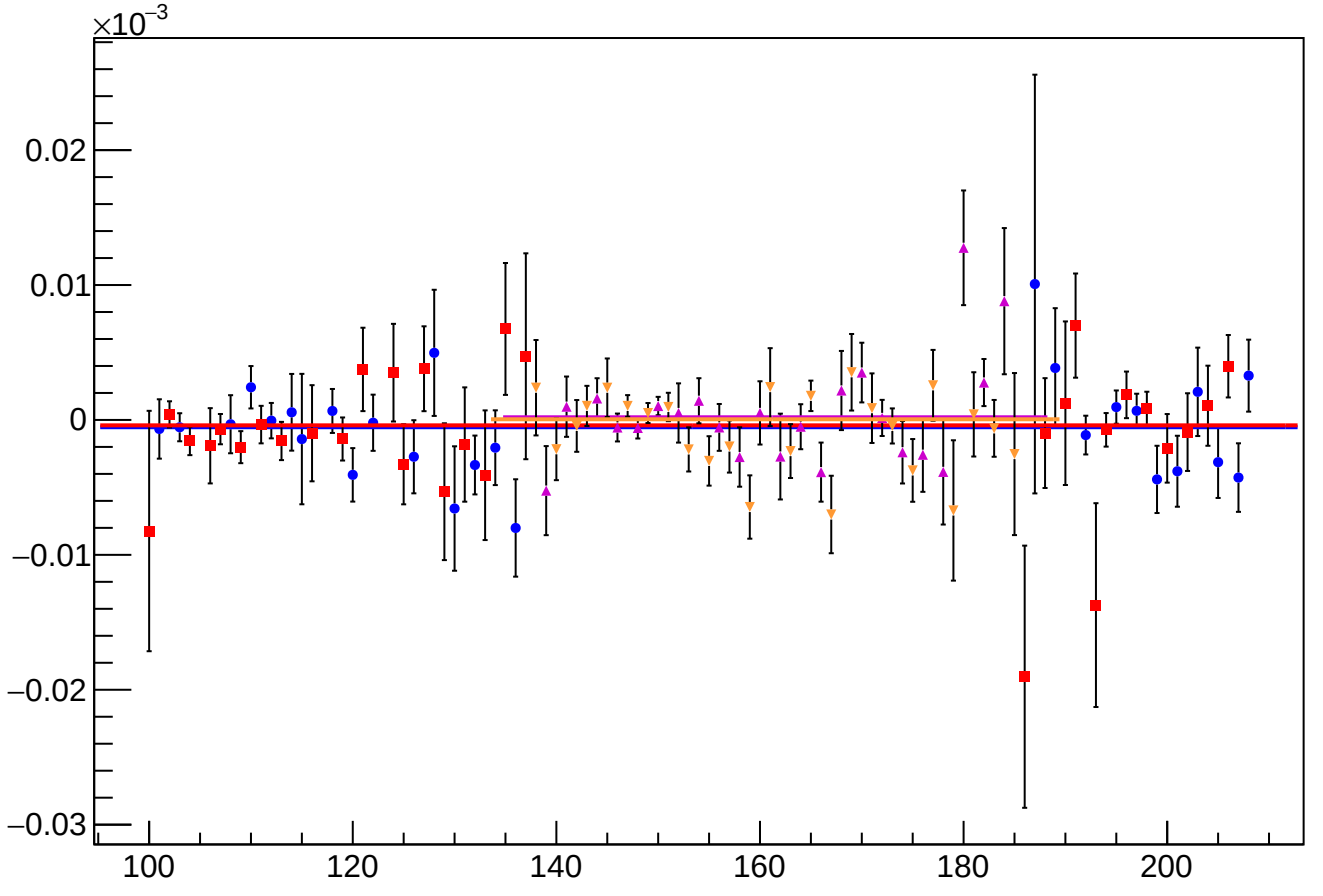
Right Out: 27.797+/-0.005 χ^2/NDF: 2822047.3/30

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.375+/-0.004 χ^2/NDF: 7038107.8/51

All: 27.513+/-0.003 χ^2/NDF: 12499145.0/105

- sign 27.653+/-0.004 χ^2/NDF: 5458024.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

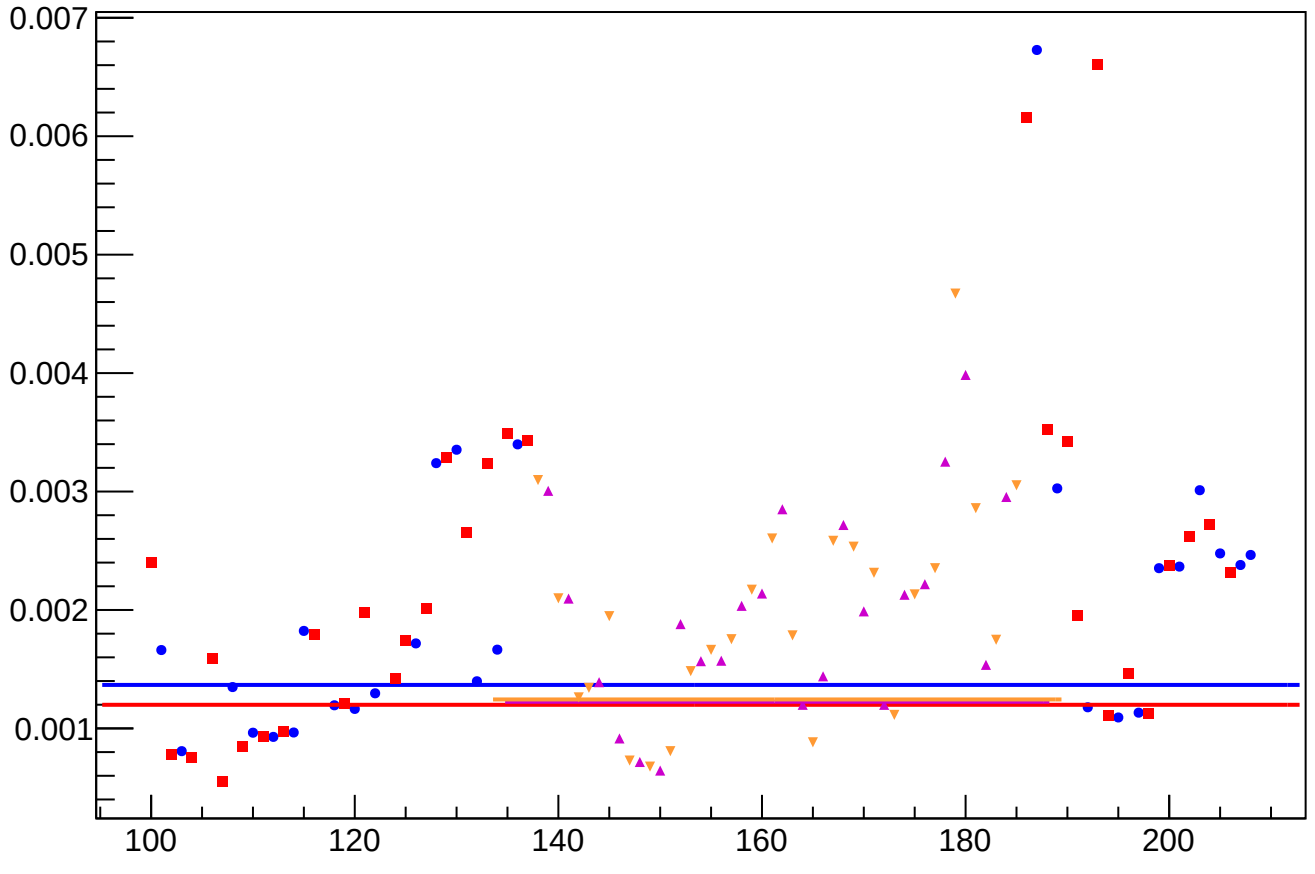
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/30

Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.7/51

All: -0.000+/-0.000 χ^2/NDF: 138.1/105

- sign -0.000+/-0.000 χ^2/NDF: 68.3/53



Right In: 0.001+/-0.000 χ^2/NDF: 5286974.1/26

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

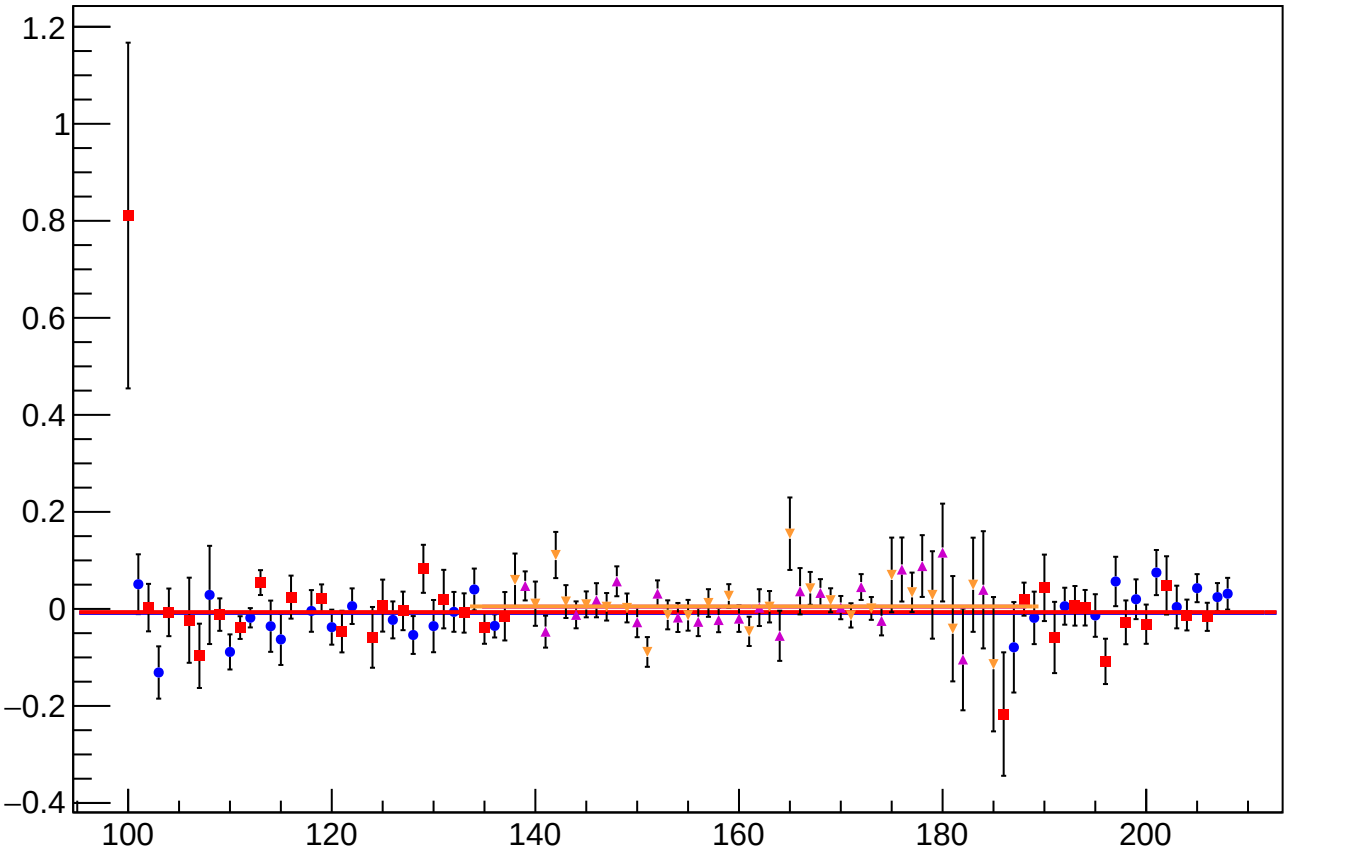
Right Out: 0.001+/-0.000 χ^2/NDF: 8239396.8/30

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 13745759.2/51

All: 0.001+/-0.000 χ^2/NDF: 29925792.5/105

- sign 0.001+/-0.000 χ^2/NDF: 16067979.8/53



Right In: -0.008+/-0.007 χ^2/NDF: 29.8/26

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

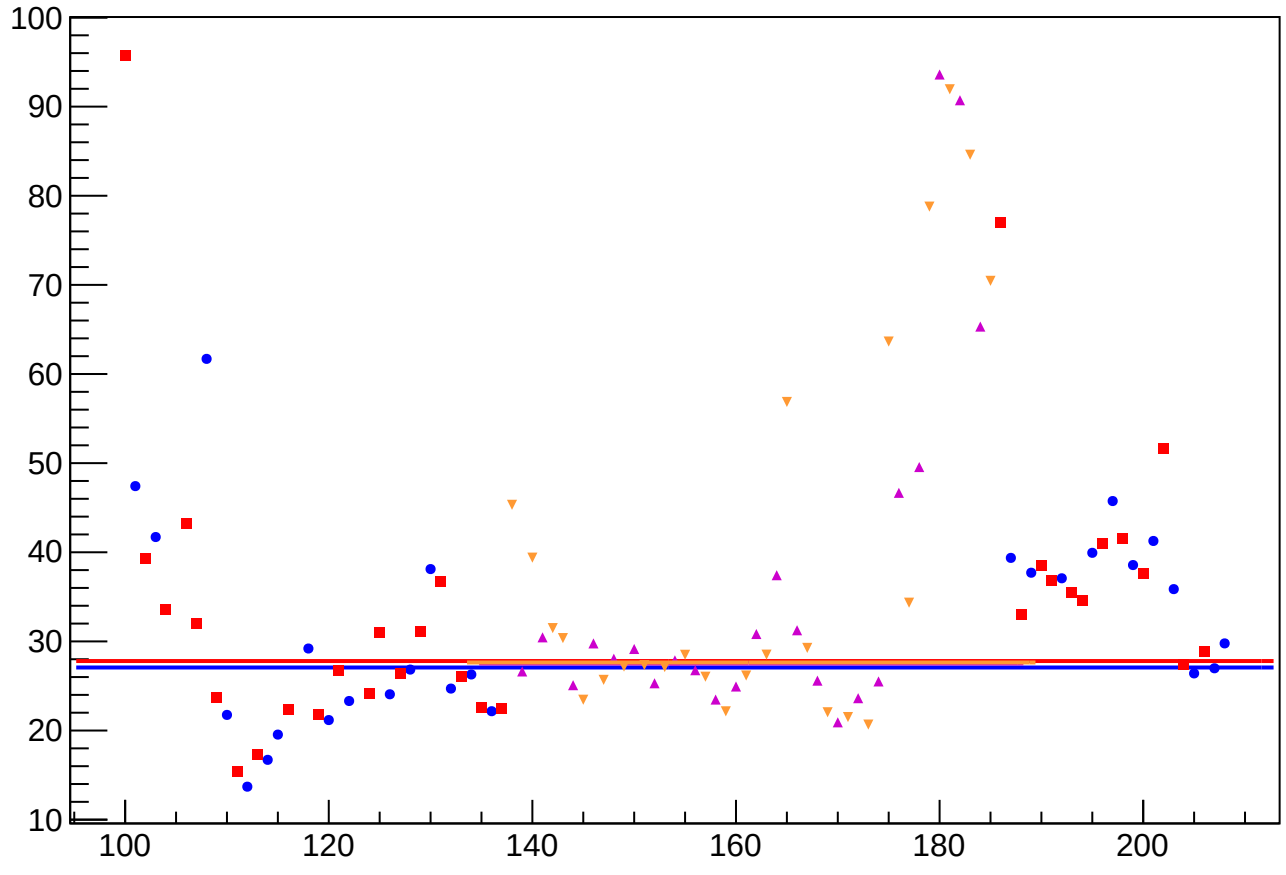
Right Out: -0.007+/-0.007 χ^2/NDF: 33.2/30

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.001+/-0.005 χ^2/NDF: 60.0/51

All: -0.001+/-0.004 χ^2/NDF: 119.5/105

- sign -0.001+/-0.005 χ^2/NDF: 59.5/53



Right In: 27.073+/-0.005 χ^2/NDF: 3057810.2/26

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

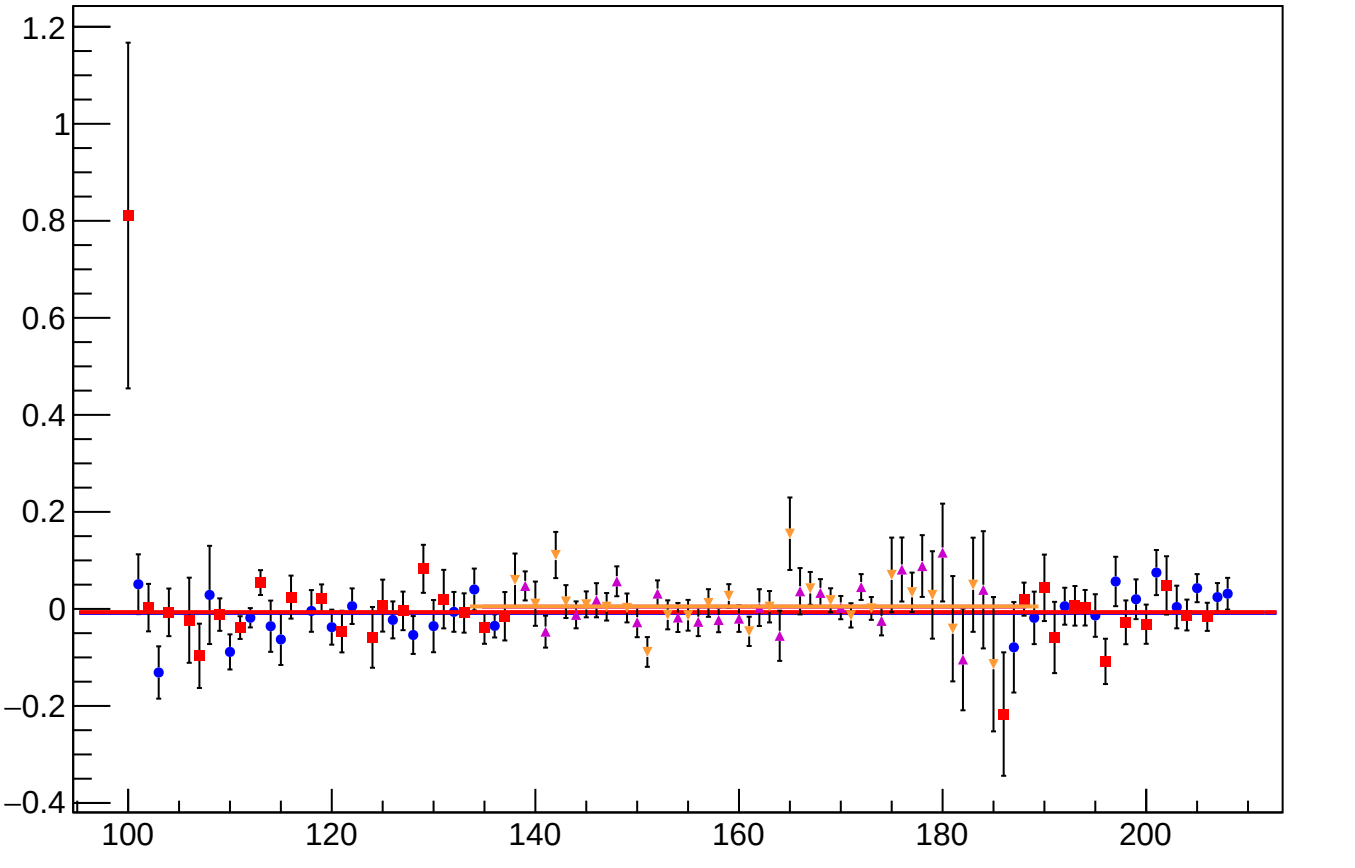
Right Out: 27.797+/-0.005 χ^2/NDF: 2822161.5/30

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.375+/-0.004 χ^2/NDF: 7038065.0/51

All: 27.513+/-0.003 χ^2/NDF: 12499178.2/105

- sign 27.653+/-0.004 χ^2/NDF: 5458103.3/53



Right In: -0.008+/-0.007 χ^2/NDF: 29.8/26

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

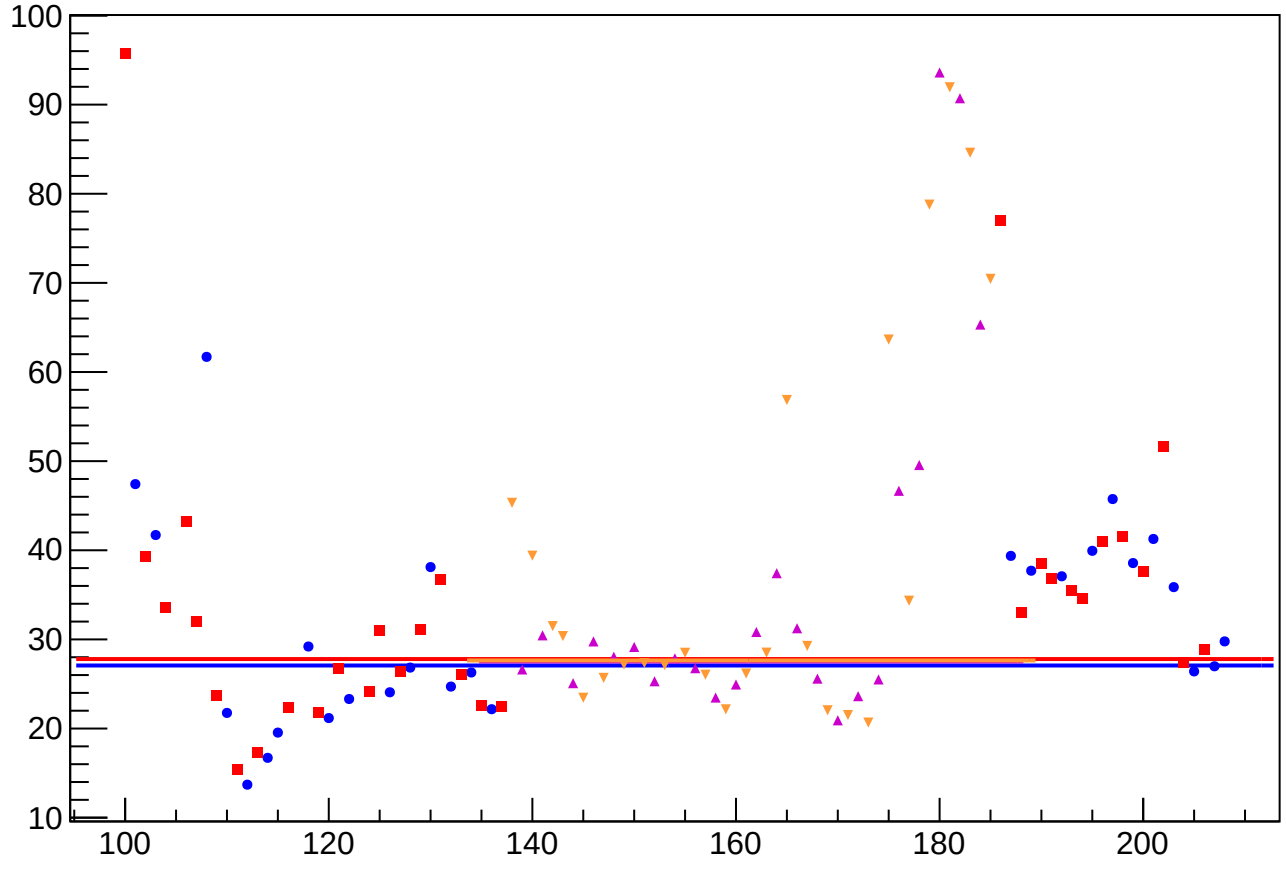
Right Out: -0.007+/-0.007 χ^2/NDF: 33.2/30

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.001+/-0.005 χ^2/NDF: 60.0/51

All: -0.001+/-0.004 χ^2/NDF: 119.5/105

- sign -0.001+/-0.005 χ^2/NDF: 59.5/53



Right In: 27.073+/-0.005 χ^2/NDF: 3057810.2/26

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

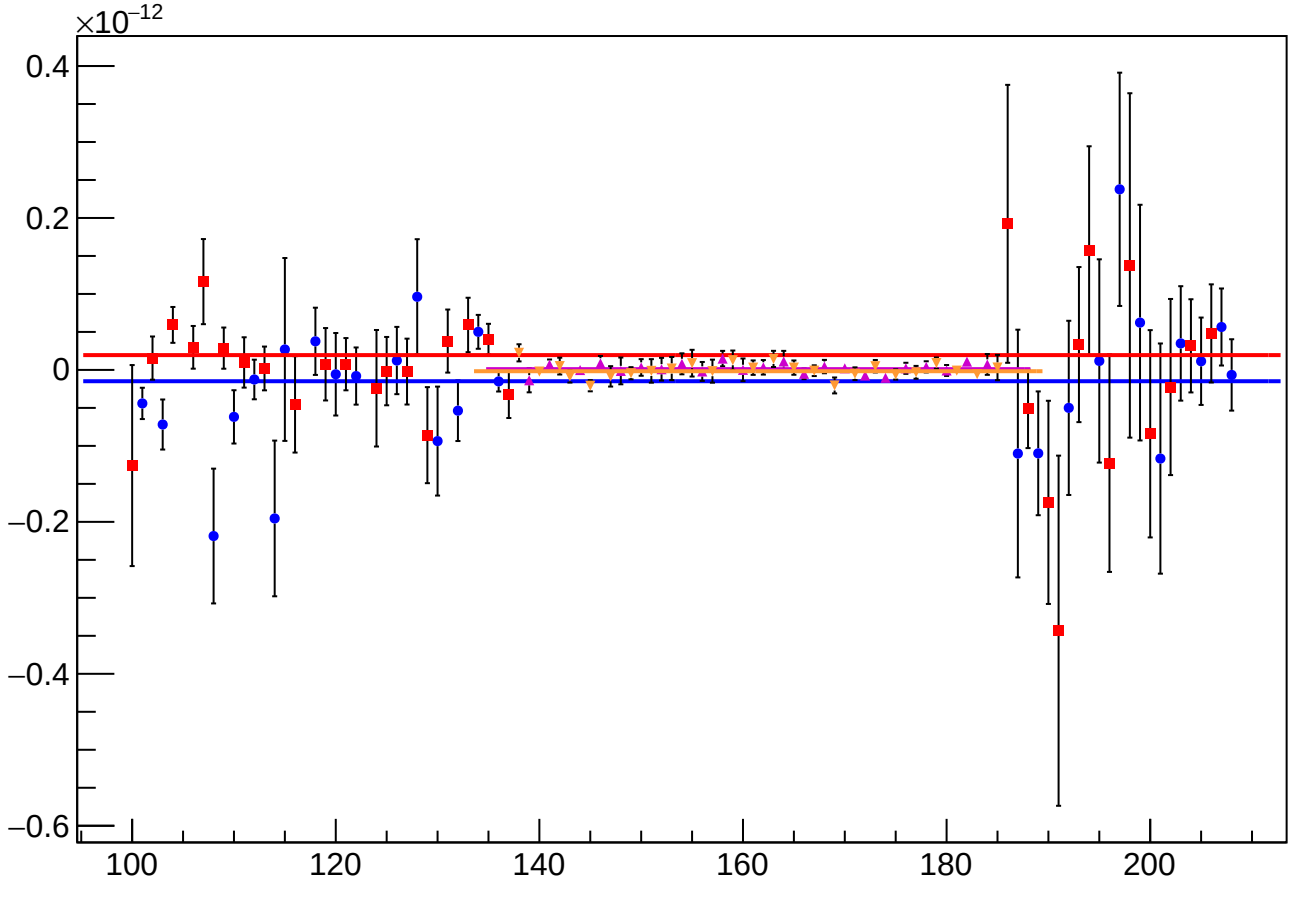
Right Out: 27.797+/-0.005 χ^2/NDF: 2822161.5/30

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.375+/-0.004 χ^2/NDF: 7038065.0/51

All: 27.513+/-0.003 χ^2/NDF: 12499178.2/105

- sign 27.653+/-0.004 χ^2/NDF: 5458103.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 37.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

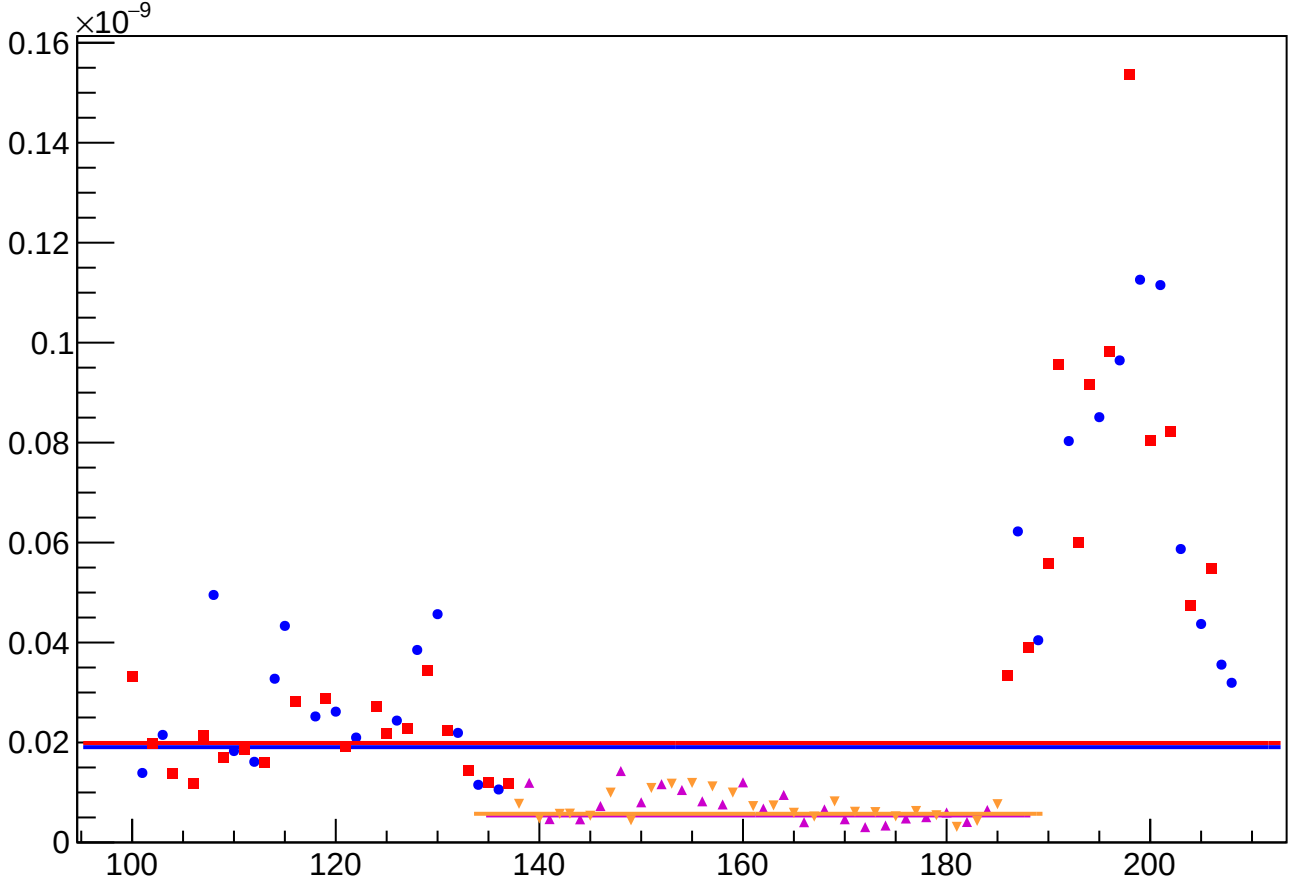
Right Out: 0.000+/-0.000 χ^2/NDF: 28.6/30

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.3/51

All: -0.000+/-0.000 χ^2/NDF: 119.4/105

- sign 0.000+/-0.000 χ^2/NDF: 50.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 6679620.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5880954.3/30

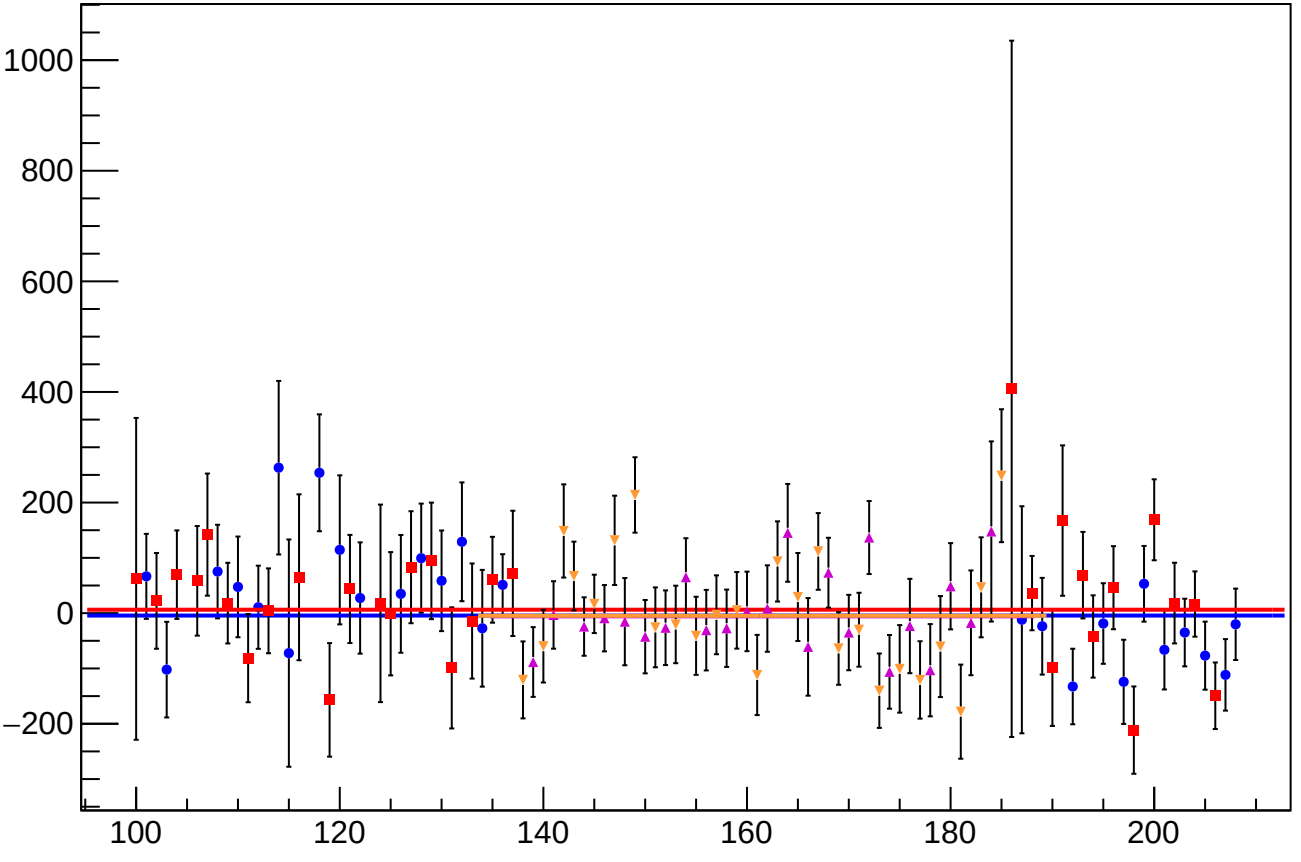
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 15510838.3/51

All: 0.000+/-0.000 χ^2/NDF: 31854779.0/105

- sign 0.000+/-0.000 χ^2/NDF: 16309123.9/53

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -4.330+/-15.792 χ^2/NDF: 29.5/26

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 6.252+/-15.909 χ^2/NDF: 33.2/30

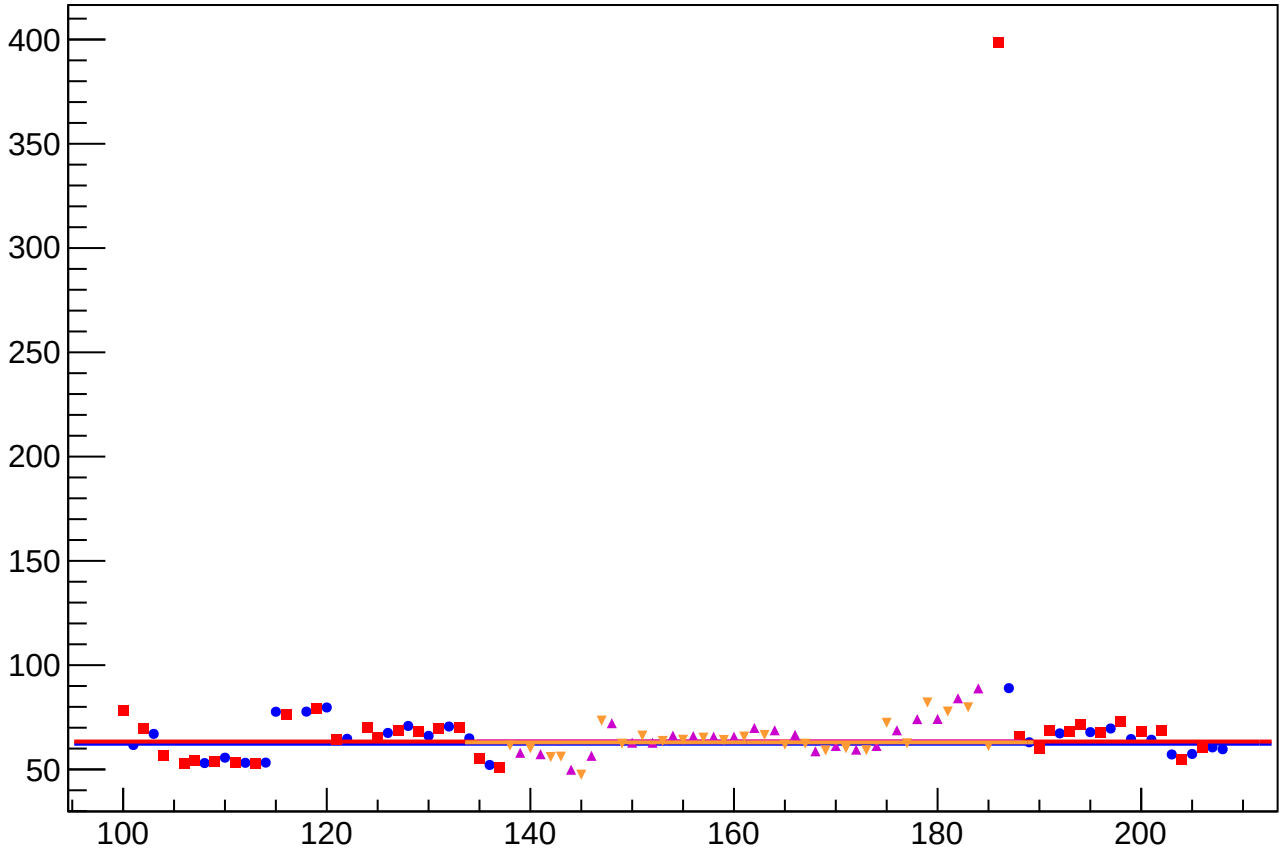
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign -4.554+/-10.653 χ^2/NDF: 76.9/51

All: -2.397+/-7.614 χ^2/NDF: 128.8/105

- sign -0.143+/-10.887 χ^2/NDF: 51.8/53

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.324+/-0.011 χ^2/NDF: 378365.6/26

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

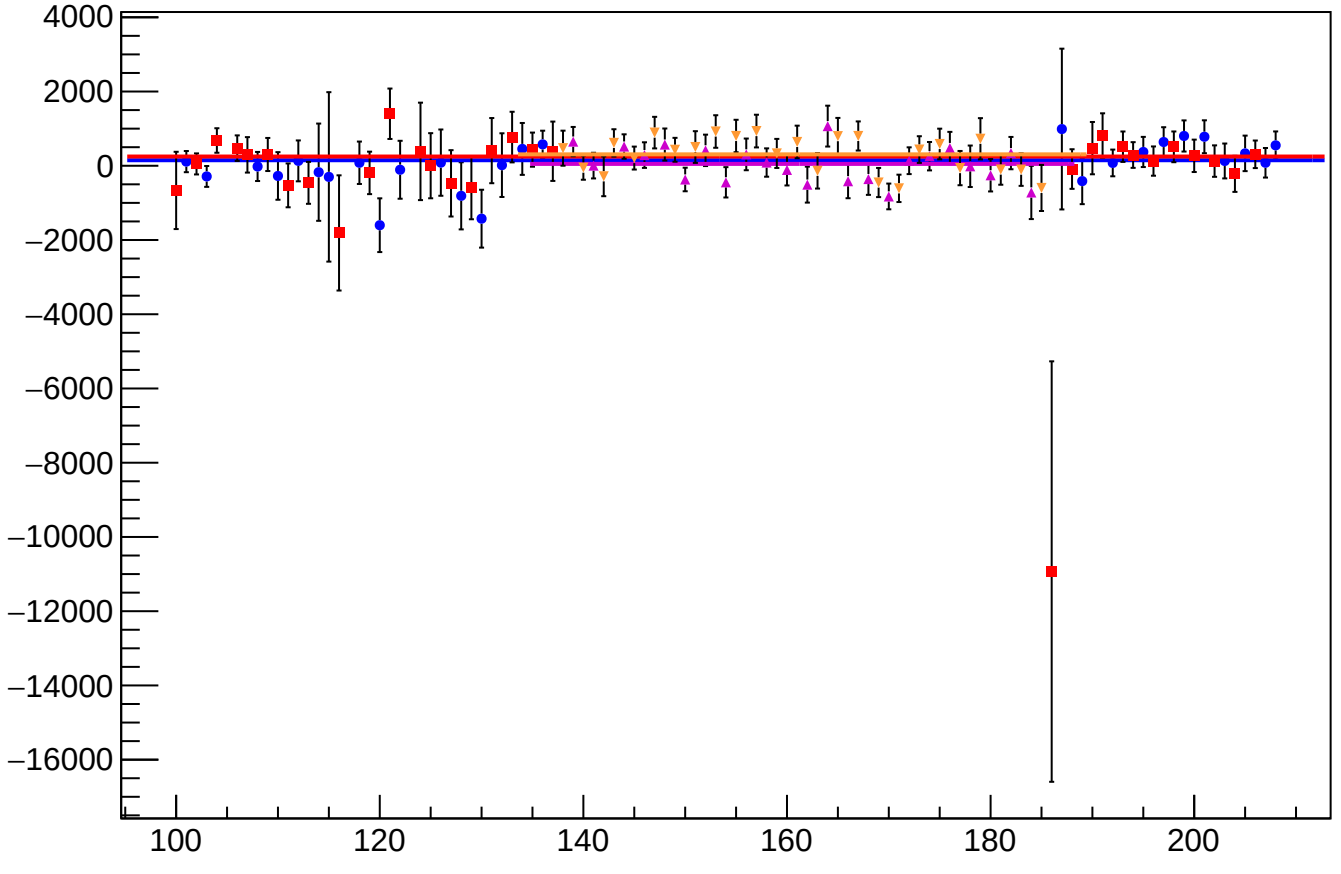
Right Out: 63.365+/-0.011 χ^2/NDF: 1014399.2/30

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.679+/-0.008 χ^2/NDF: 907084.4/51

All: 63.015+/-0.005 χ^2/NDF: 2422461.8/105

- sign 63.365+/-0.008 χ^2/NDF: 1511325.3/53



Right In: 149.129+/-93.071 χ^2/NDF: 24.5/26

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 248.753+/-89.961 χ^2/NDF: 21.8/30

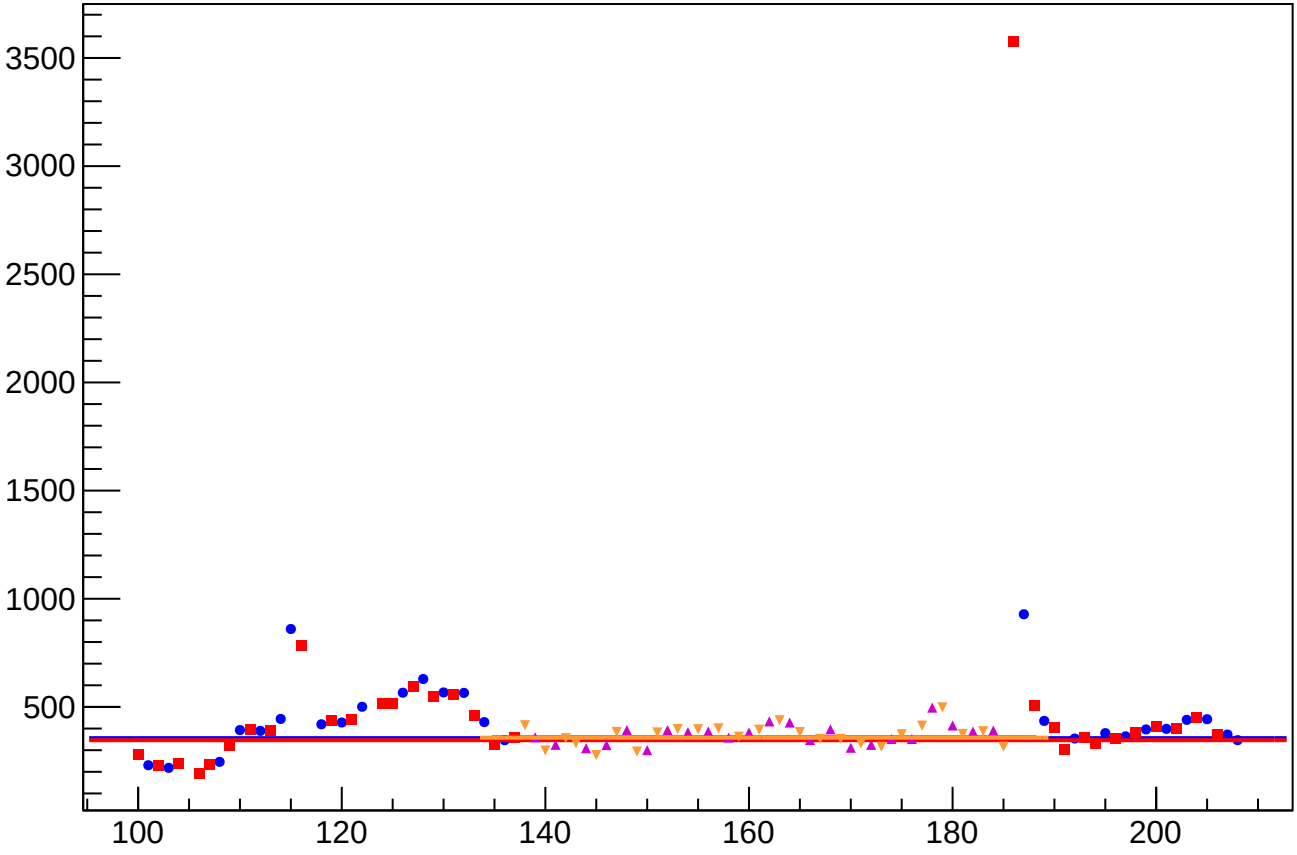
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 237.769+/-61.679 χ^2/NDF: 56.8/51

All: 190.703+/-43.628 χ^2/NDF: 109.6/105

- sign 143.573+/-61.721 χ^2/NDF: 51.6/53

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 355.674+/-0.066 χ^2/NDF: 2191101.2/26

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 346.155+/-0.064 χ^2/NDF: 2986156.1/30

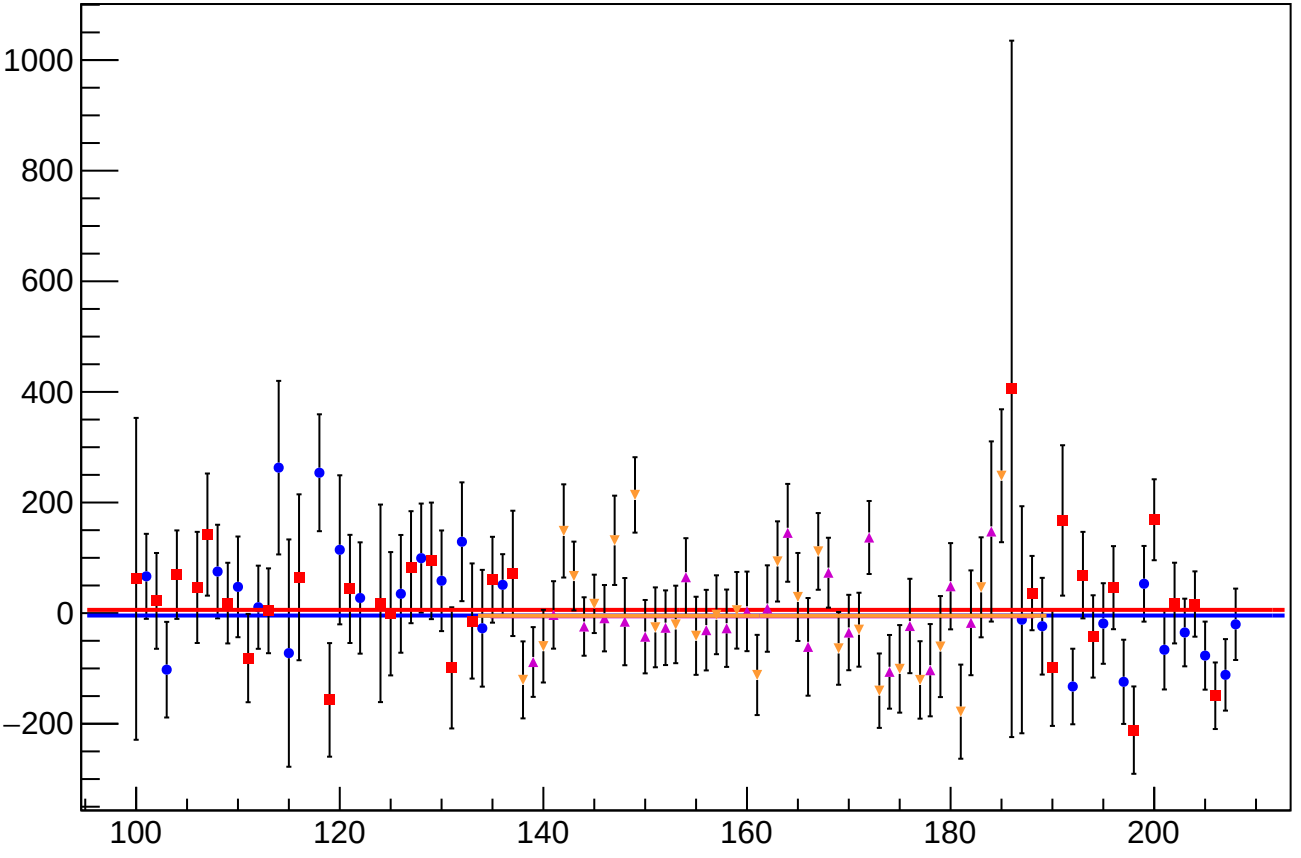
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 356.828+/-0.044 χ^2/NDF: 2875379.9/51

All: 354.985+/-0.031 χ^2/NDF: 6407641.7/105

- sign 353.139+/-0.044 χ^2/NDF: 3528687.7/53

cor_asym_sam_37_48_dd_mean vs Slug



Right In: -4.336+/-15.792 χ^2/NDF: 29.5/26

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 5.913+/-15.915 χ^2/NDF: 33.1/30

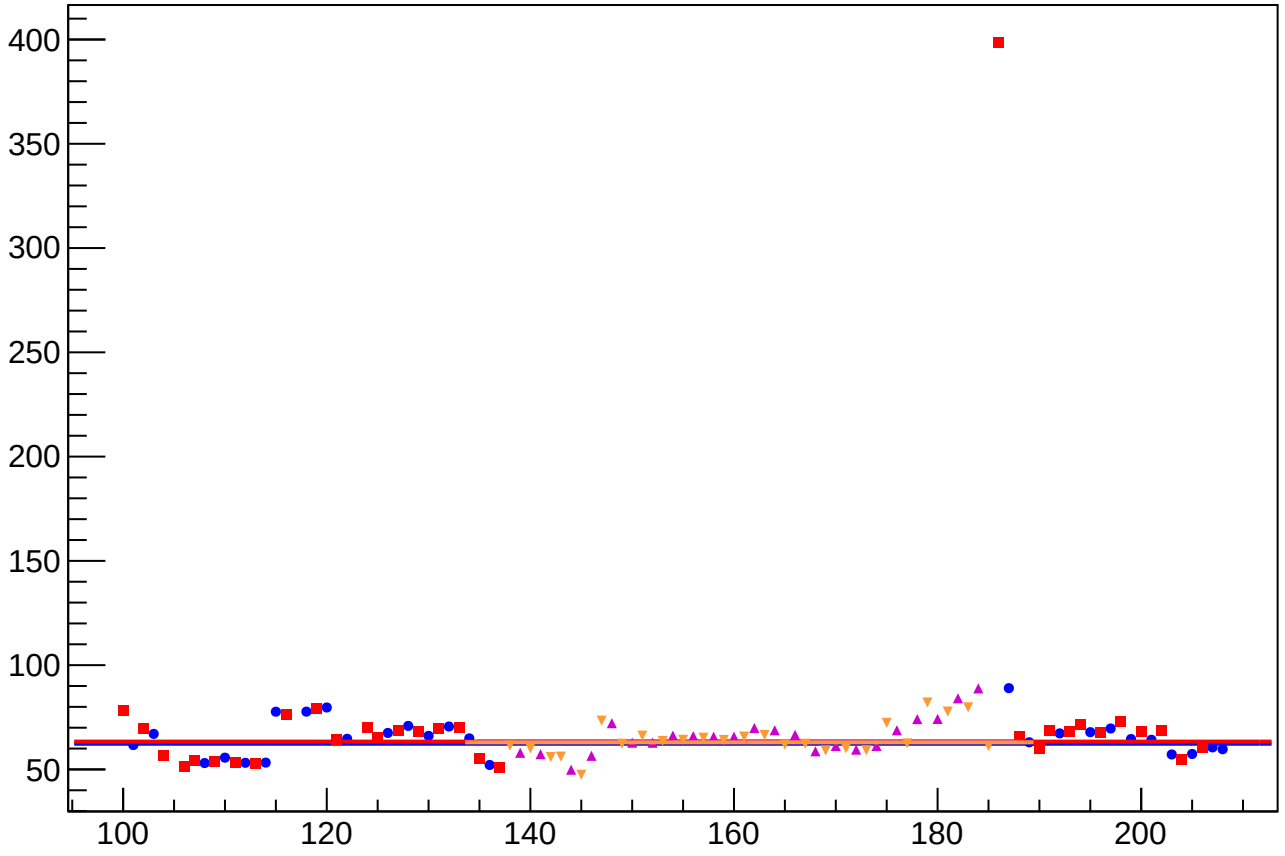
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -4.560+/-10.653 χ^2/NDF: 76.9/51

All: -2.478+/-7.615 χ^2/NDF: 128.7/105

- sign -0.304+/-10.889 χ^2/NDF: 51.7/53

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.324+/-0.011 χ^2/NDF: 378365.8/26

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

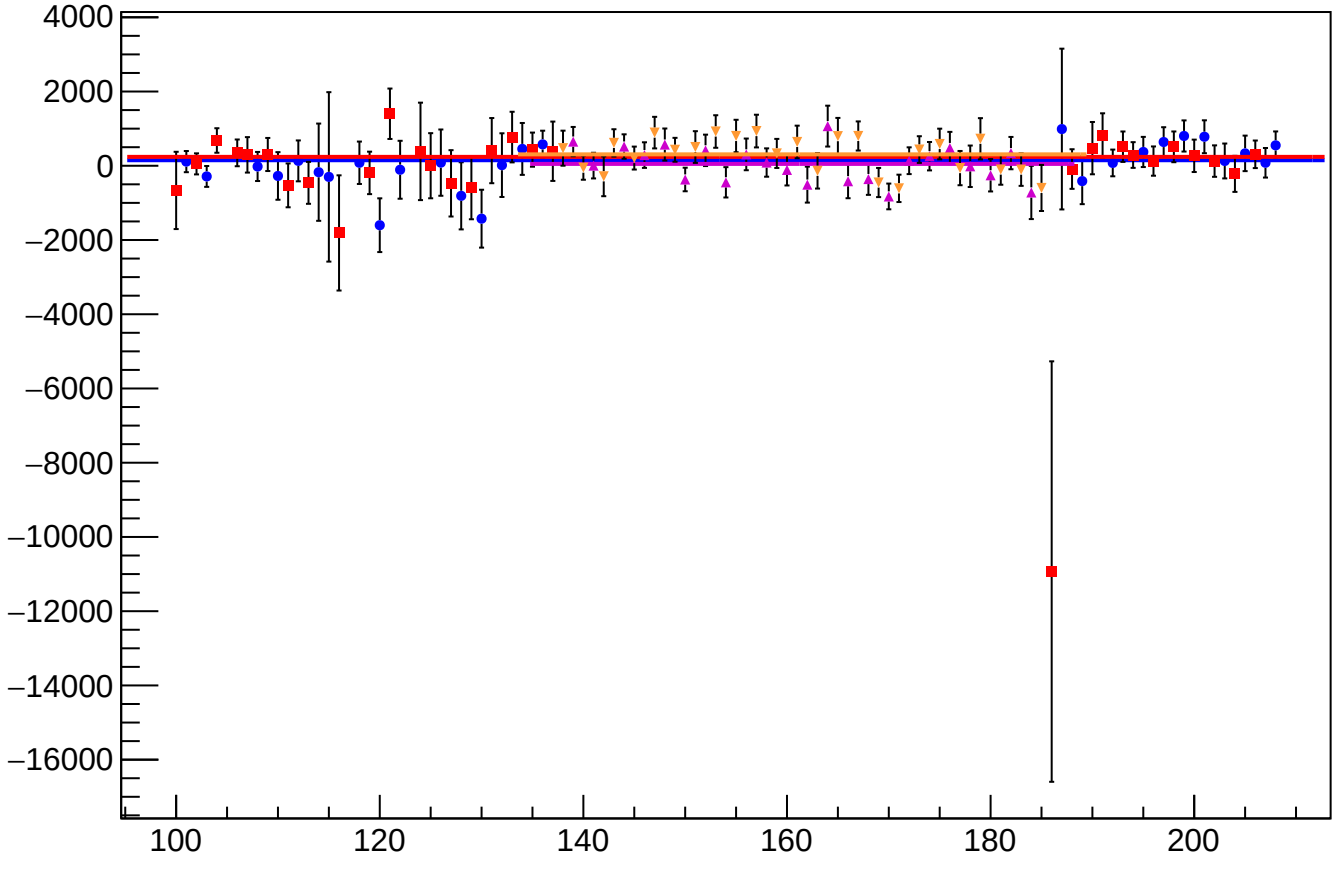
Right Out: 63.346+/-0.011 χ^2/NDF: 1018533.9/30

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.679+/-0.008 χ^2/NDF: 907084.6/51

All: 63.010+/-0.005 χ^2/NDF: 2426495.7/105

- sign 63.356+/-0.008 χ^2/NDF: 1515461.7/53



Right In: 149.135+/-93.072 χ^2/NDF: 24.5/26

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 239.617+/-90.235 χ^2/NDF: 21.4/30

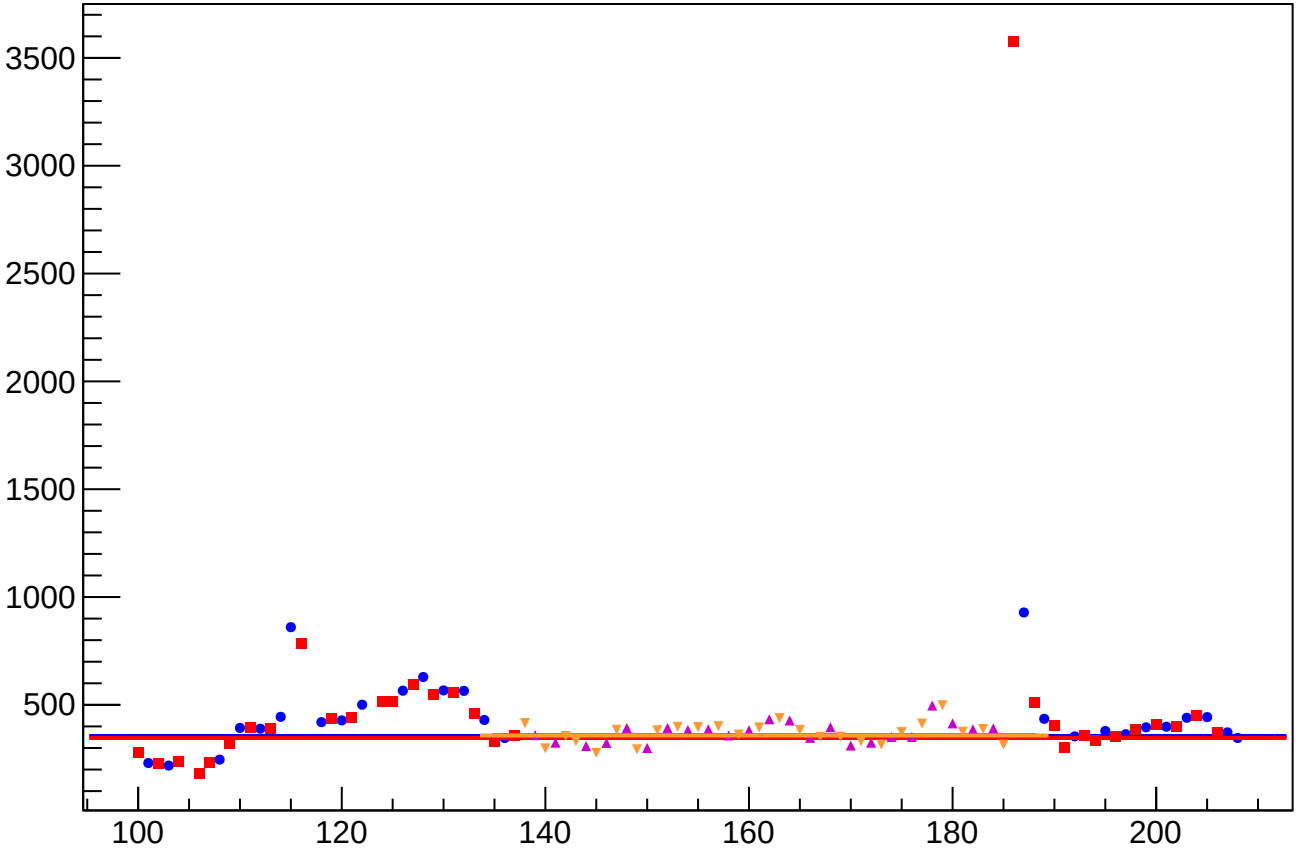
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 237.769+/-61.679 χ^2/NDF: 56.8/51

All: 188.481+/-43.660 χ^2/NDF: 109.1/105

- sign 138.984+/-61.810 χ^2/NDF: 51.0/53

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 355.675+/-0.066 χ^2/NDF: 2191019.6/26

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 346.455+/-0.064 χ^2/NDF: 3001375.0/30

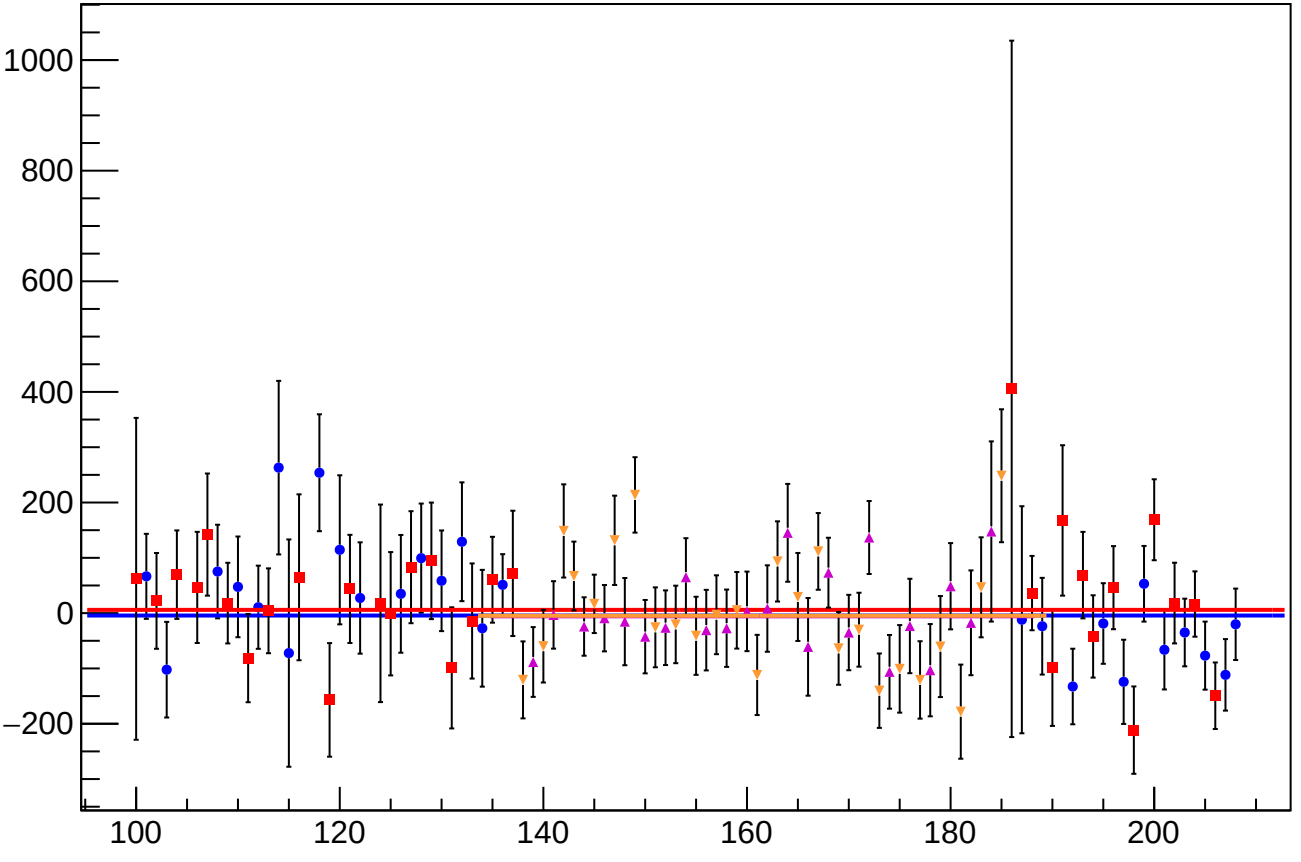
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 356.828+/-0.044 χ^2/NDF: 2875293.5/51

All: 355.068+/-0.031 χ^2/NDF: 6421378.2/105

- sign 353.300+/-0.044 χ^2/NDF: 3542818.1/53

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: -4.336+/-15.792 χ^2/NDF: 29.5/26

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 5.913+/-15.915 χ^2/NDF: 33.1/30

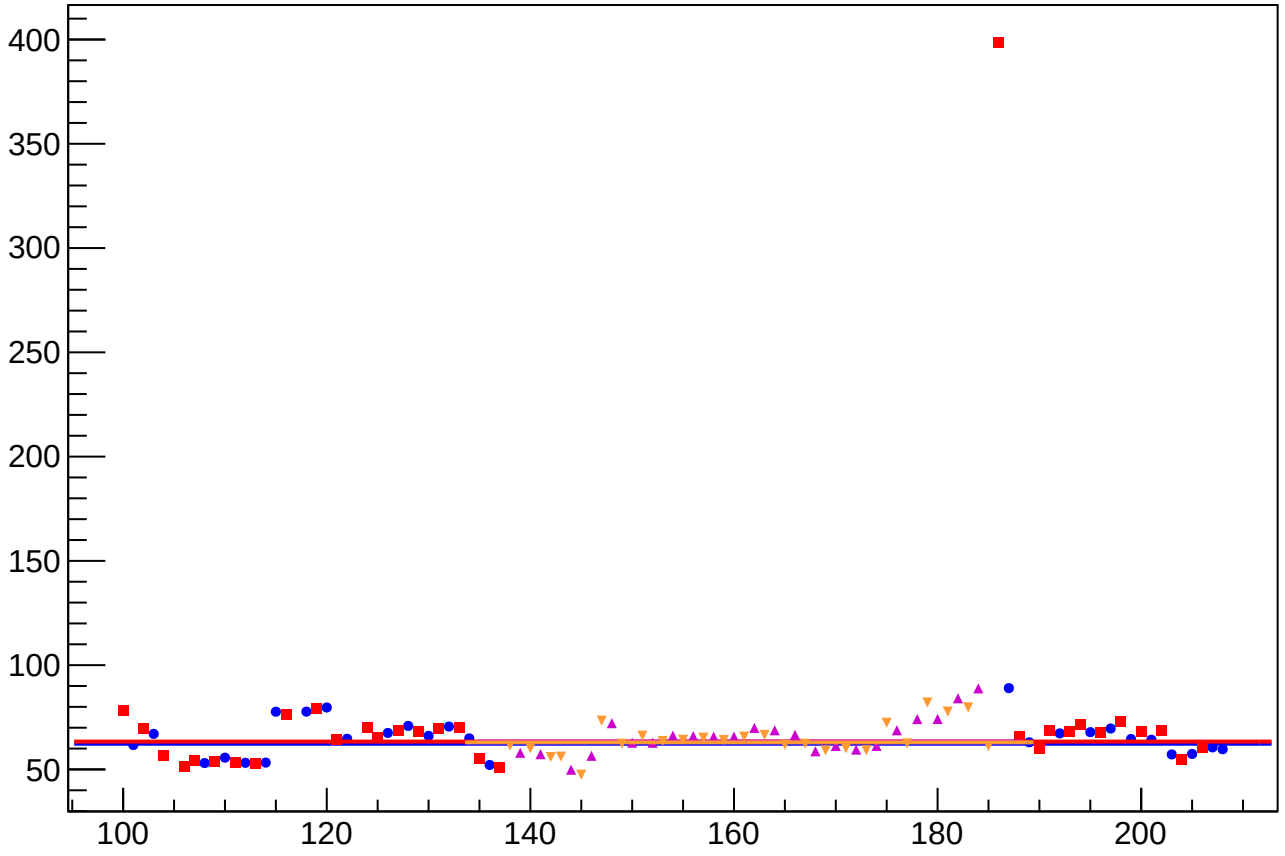
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -4.560+/-10.653 χ^2/NDF: 76.9/51

All: -2.478+/-7.615 χ^2/NDF: 128.7/105

- sign -0.304+/-10.889 χ^2/NDF: 51.7/53

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.324+/-0.011 χ^2/NDF: 378365.8/26

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

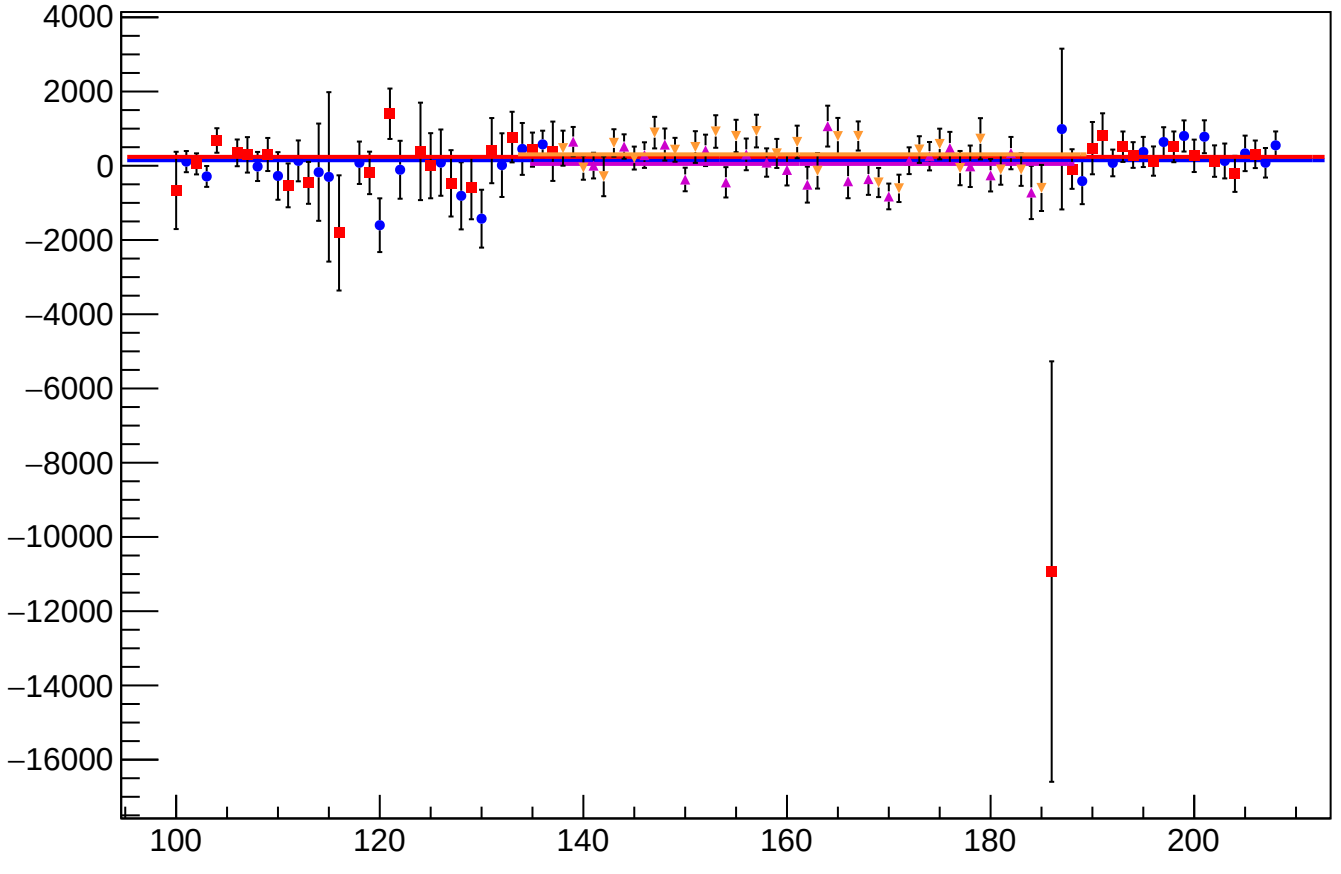
Right Out: 63.346+/-0.011 χ^2/NDF: 1018533.9/30

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 62.679+/-0.008 χ^2/NDF: 907084.6/51

All: 63.010+/-0.005 χ^2/NDF: 2426495.7/105

\- sign 63.356+/-0.008 χ^2/NDF: 1515461.7/53



Right In: 149.135+/-93.072 χ^2/NDF: 24.5/26

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

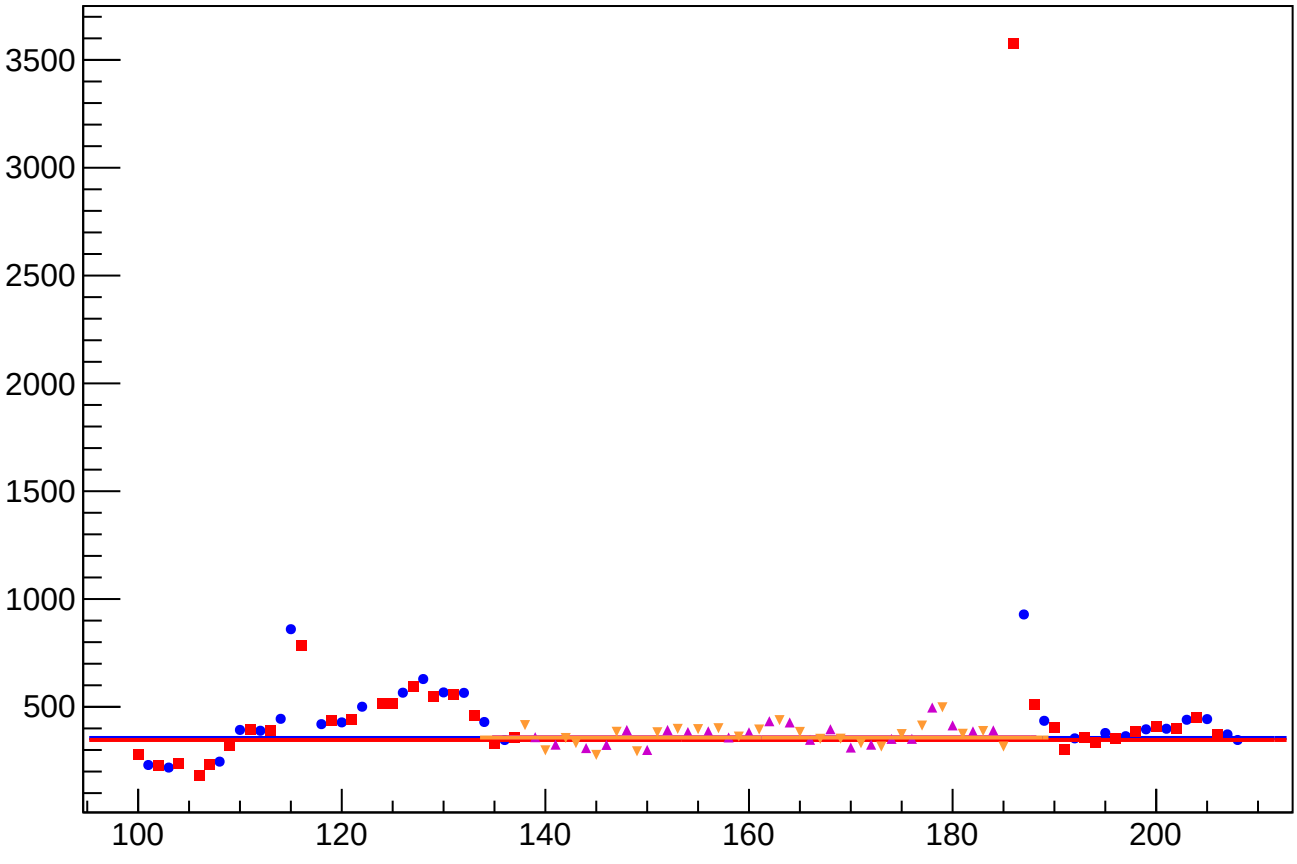
Right Out: 239.617+/-90.235 χ^2/NDF: 21.4/30

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 237.769+/-61.679 χ^2/NDF: 56.8/51

All: 188.481+/-43.660 χ^2/NDF: 109.1/105

- sign 138.984+/-61.810 χ^2/NDF: 51.0/53



Right In: 355.675+/-0.066 χ^2/NDF: 2191019.6/26

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 346.455+/-0.064 χ^2/NDF: 3001375.0/30

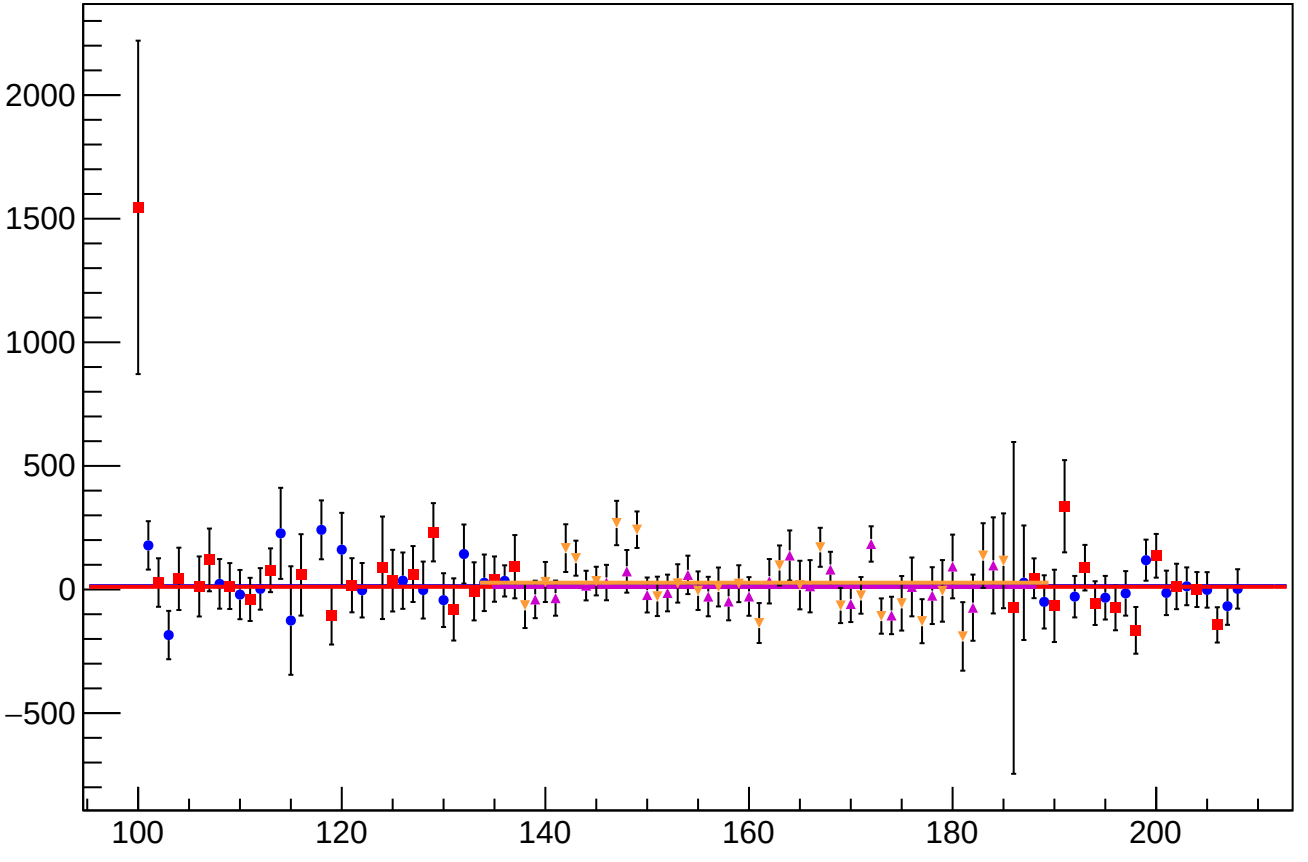
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 356.828+/-0.044 χ^2/NDF: 2875293.5/51

All: 355.068+/-0.031 χ^2/NDF: 6421378.2/105

- sign 353.300+/-0.044 χ^2/NDF: 3542818.1/53

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 13.716+/-18.578 χ^2/NDF: 19.0/26

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 10.999+/-18.985 χ^2/NDF: 28.8/30

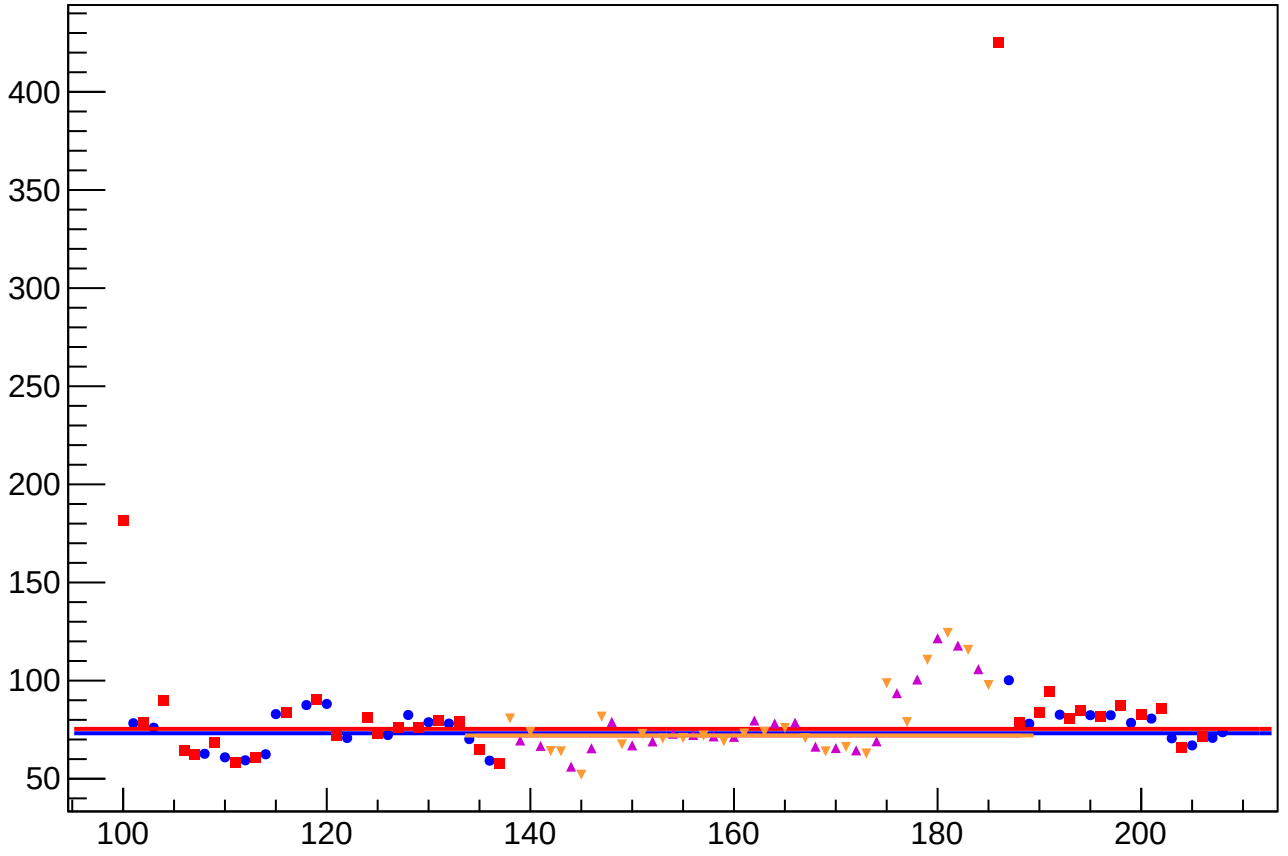
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 21.393+/-12.437 χ^2/NDF: 61.7/51

All: 16.200+/-8.905 χ^2/NDF: 106.9/105

- sign 10.737+/-12.757 χ^2/NDF: 44.9/53

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.173+/-0.013 χ^2/NDF: 435474.4/26

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.417+/-0.013 χ^2/NDF: 1095251.6/30

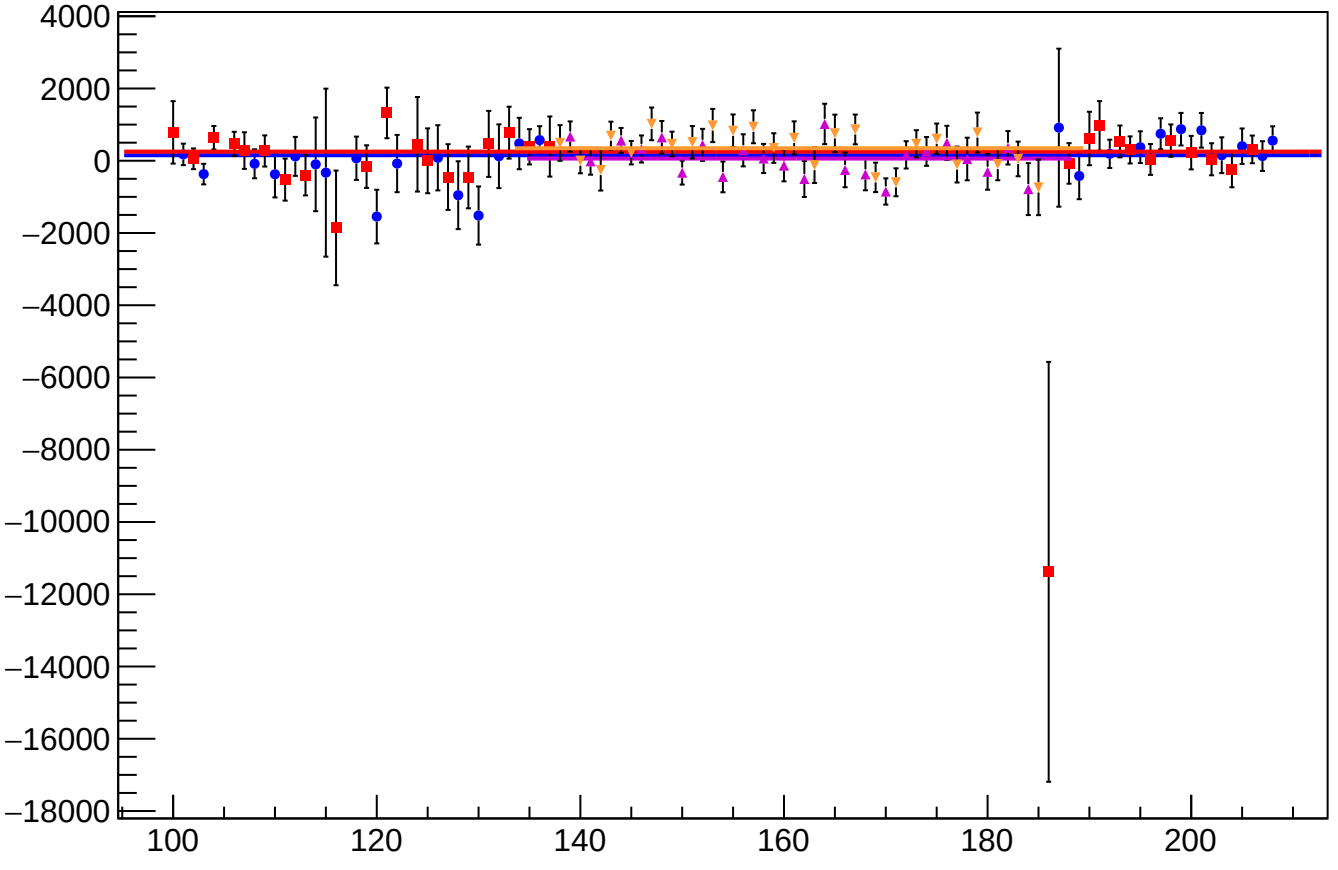
Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.548+/-0.009 χ^2/NDF: 1709044.3/51

All: 73.057+/-0.006 χ^2/NDF: 3903677.6/105

- sign 73.593+/-0.009 χ^2/NDF: 2187750.1/53

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: 152.264+/-97.036 χ^2/NDF: 25.9/26

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 252.614+/-92.720 χ^2/NDF: 20.5/30

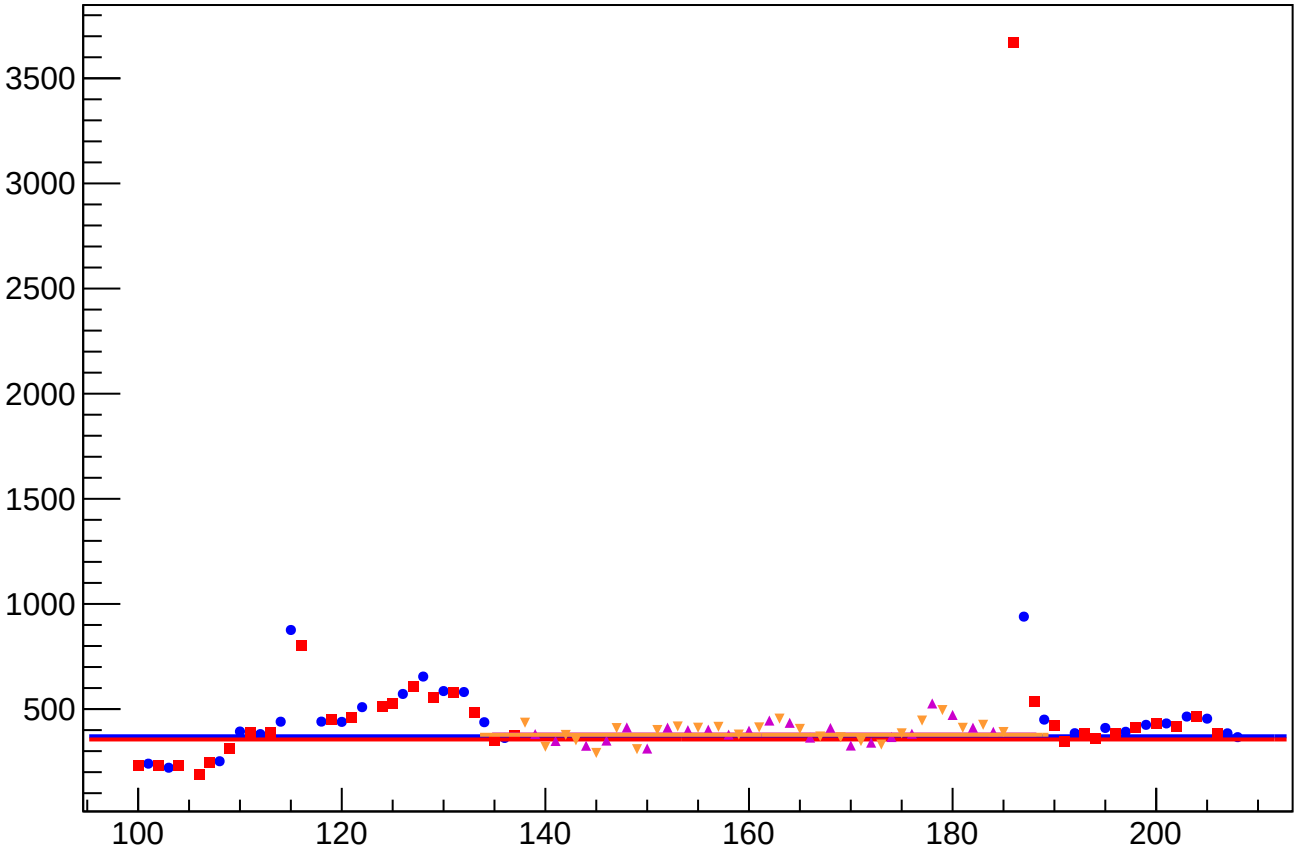
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 259.846+/-64.703 χ^2/NDF: 57.1/51

All: 206.020+/-45.631 χ^2/NDF: 107.1/105

- sign 152.761+/-64.361 χ^2/NDF: 48.6/53

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 370.611+/-0.069 χ^2/NDF: 2262968.8/26

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 355.416+/-0.066 χ^2/NDF: 3262716.6/30

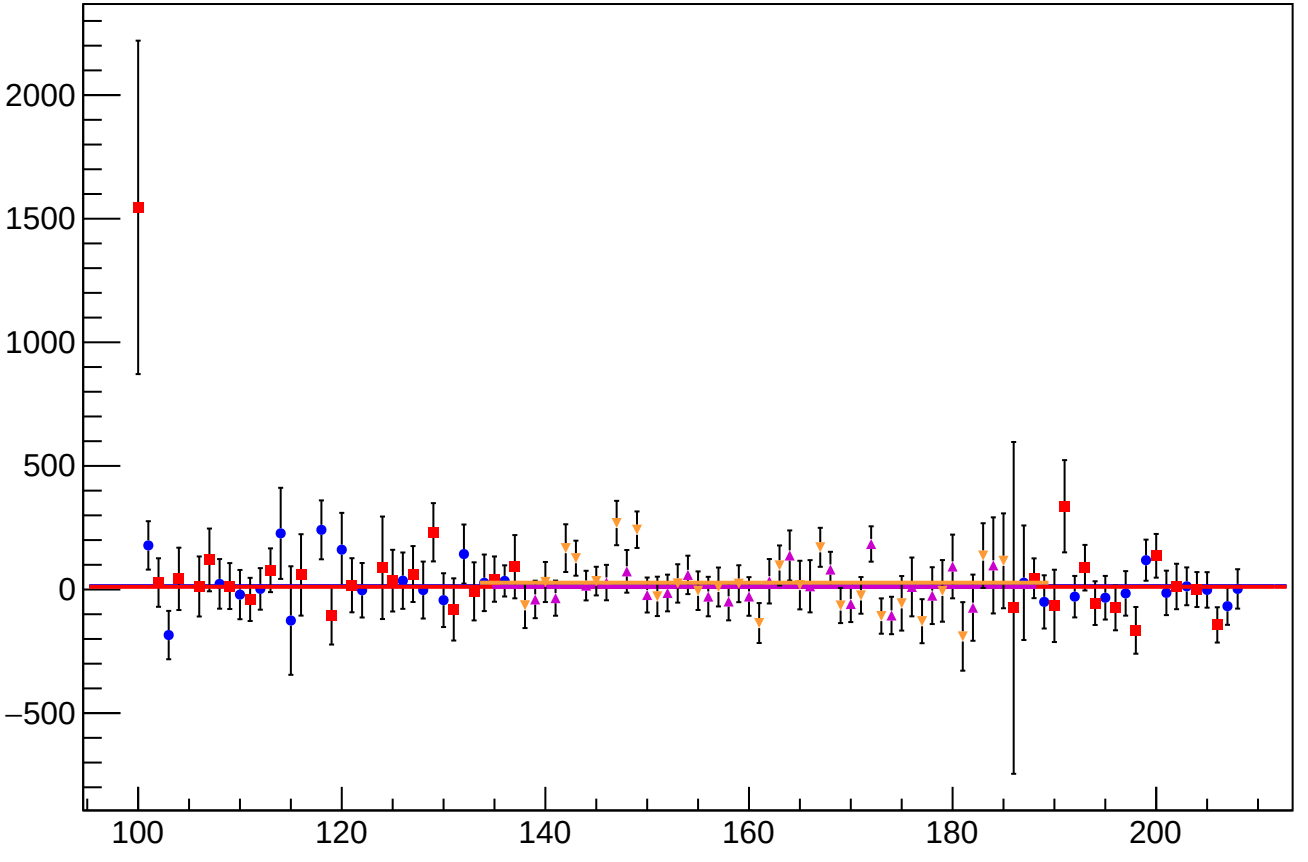
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 374.602+/-0.046 χ^2/NDF: 2905775.1/51

All: 371.066+/-0.032 χ^2/NDF: 6774359.3/105

- sign 367.569+/-0.046 χ^2/NDF: 3856706.6/53

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 13.716+/-18.578 χ^2/NDF: 19.0/26

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 10.999+/-18.985 χ^2/NDF: 28.8/30

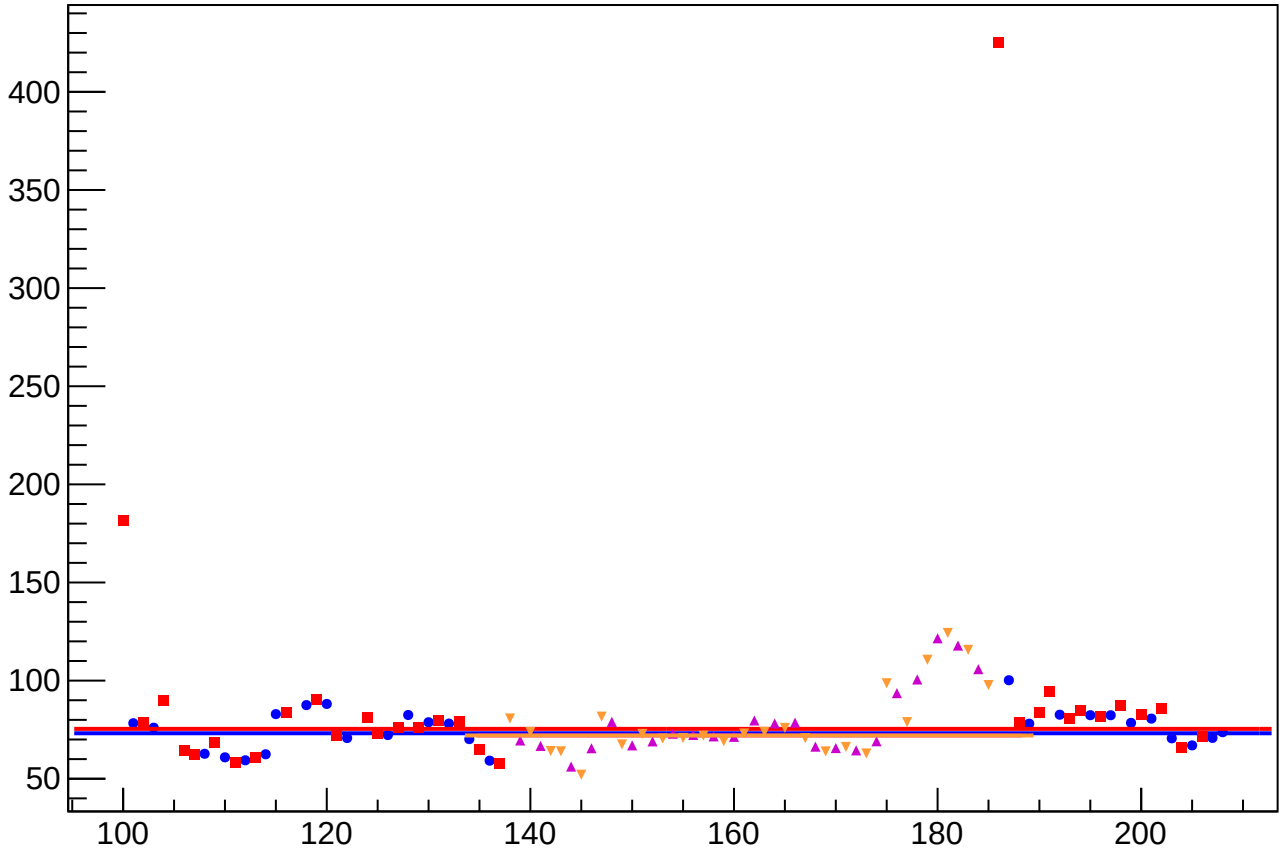
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 21.392+/-12.437 χ^2/NDF: 61.7/51

All: 16.200+/-8.905 χ^2/NDF: 106.9/105

- sign 10.737+/-12.757 χ^2/NDF: 44.9/53

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.173+/-0.013 χ^2/NDF: 435472.4/26

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

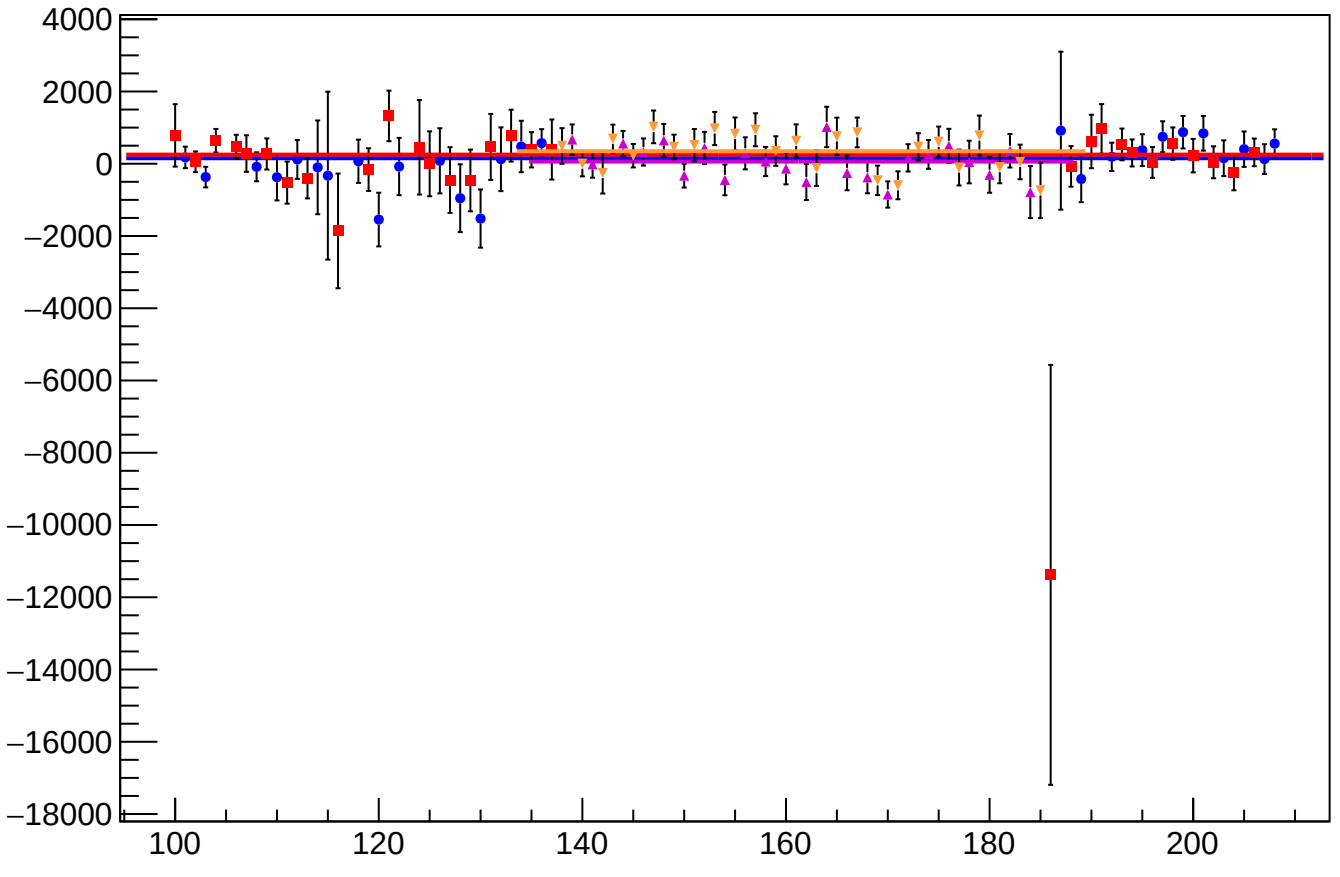
Right Out: 75.417+/-0.013 χ^2/NDF: 1095252.1/30

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.548+/-0.009 χ^2/NDF: 1709049.8/51

All: 73.057+/-0.006 χ^2/NDF: 3903673.6/105

- sign 73.593+/-0.009 χ^2/NDF: 2187740.8/53



Right In: 152.264+/-97.036 χ^2/NDF: 25.9/26

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

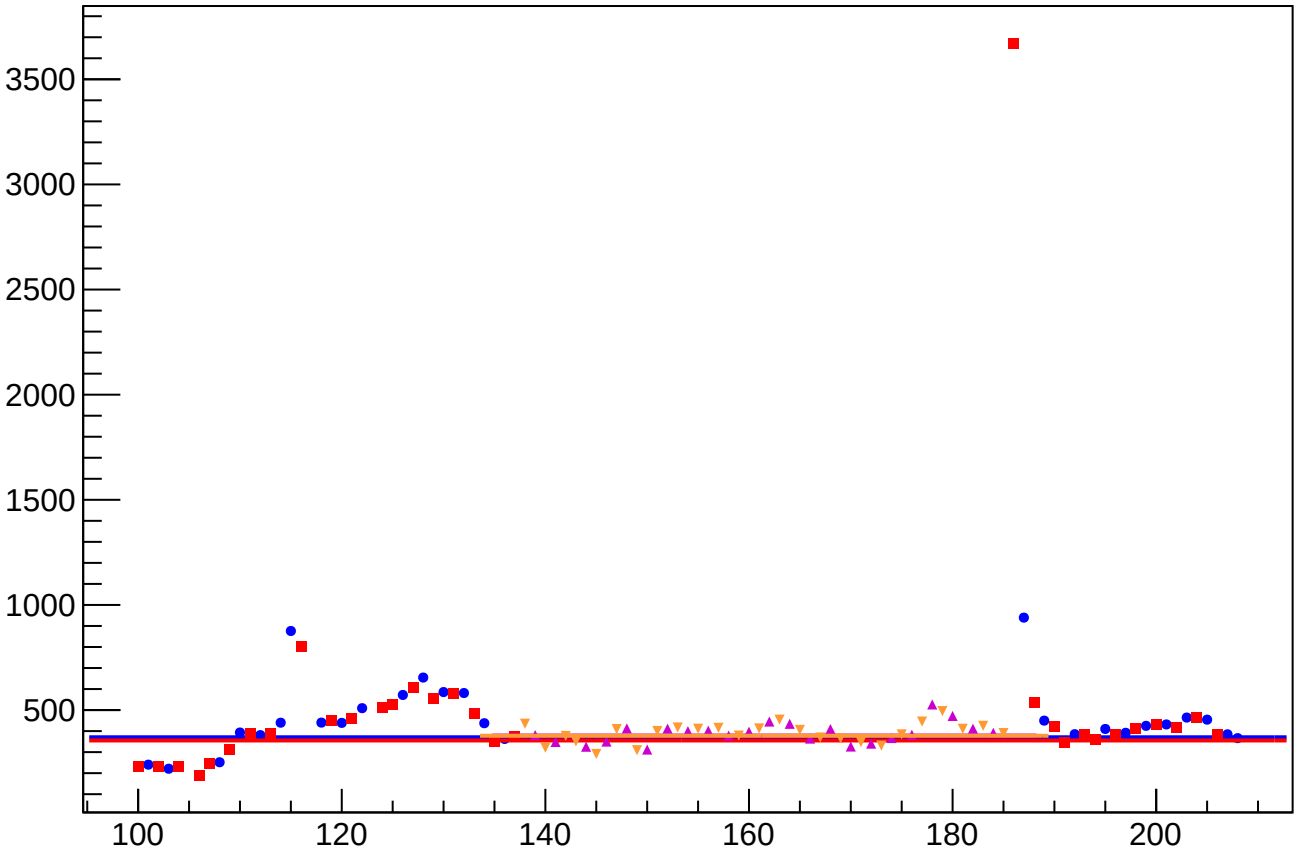
Right Out: 252.614+/-92.720 χ^2/NDF: 20.5/30

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 259.845+/-64.703 χ^2/NDF: 57.1/51

All: 206.019+/-45.631 χ^2/NDF: 107.1/105

- sign 152.761+/-64.361 χ^2/NDF: 48.6/53



Right In: 370.611+/-0.069 χ^2/NDF: 2262958.8/26

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 355.416+/-0.066 χ^2/NDF: 3262703.3/30

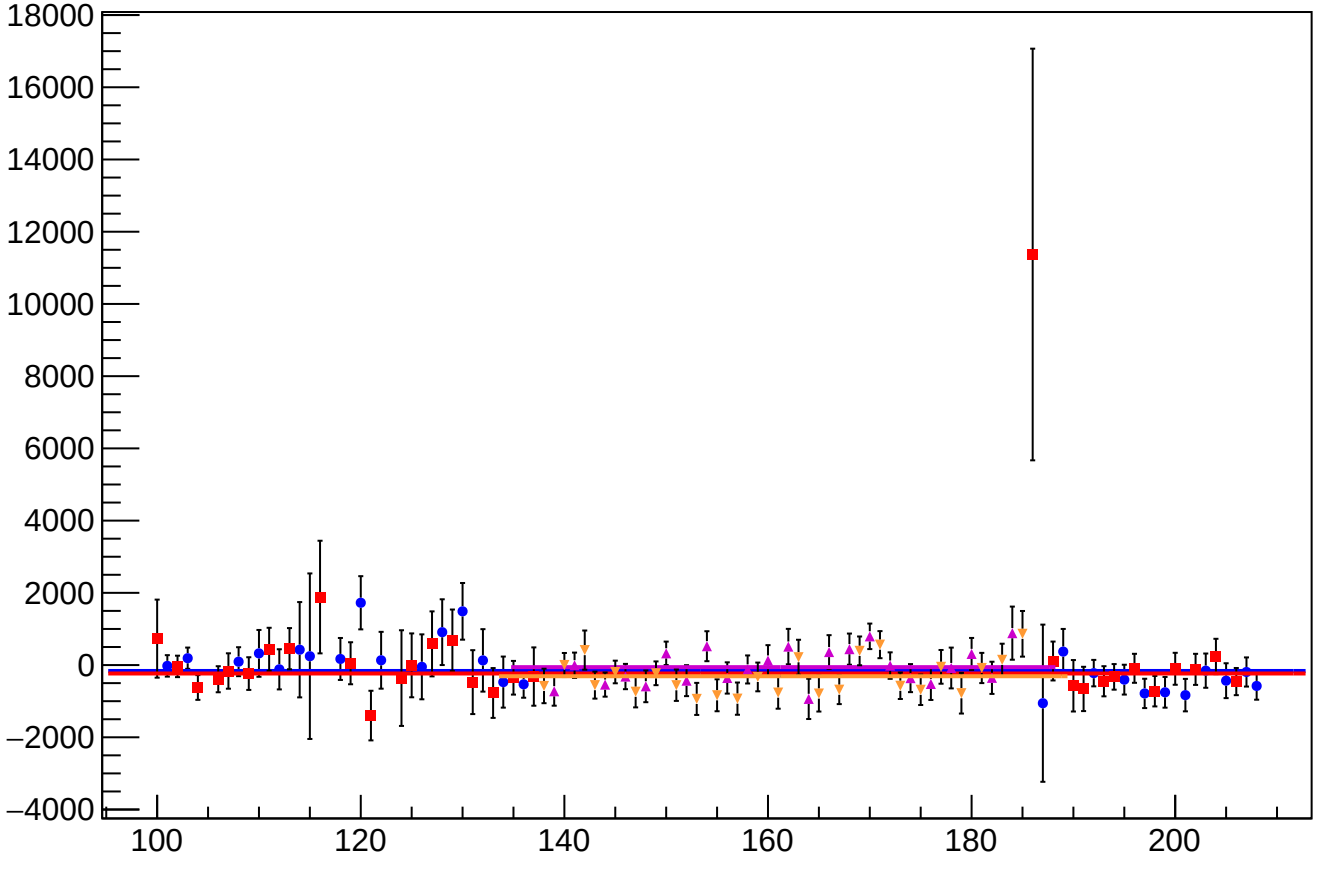
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 374.601+/-0.046 χ^2/NDF: 2905764.4/51

All: 371.066+/-0.032 χ^2/NDF: 6774330.5/105

- sign 367.568+/-0.046 χ^2/NDF: 3856688.4/53

asym_sam_37_48_dd_mean vs Slug



Right In: -163.507+/-94.963 χ^2/NDF: 26.3/26

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -233.357+/-91.984 χ^2/NDF: 21.8/30

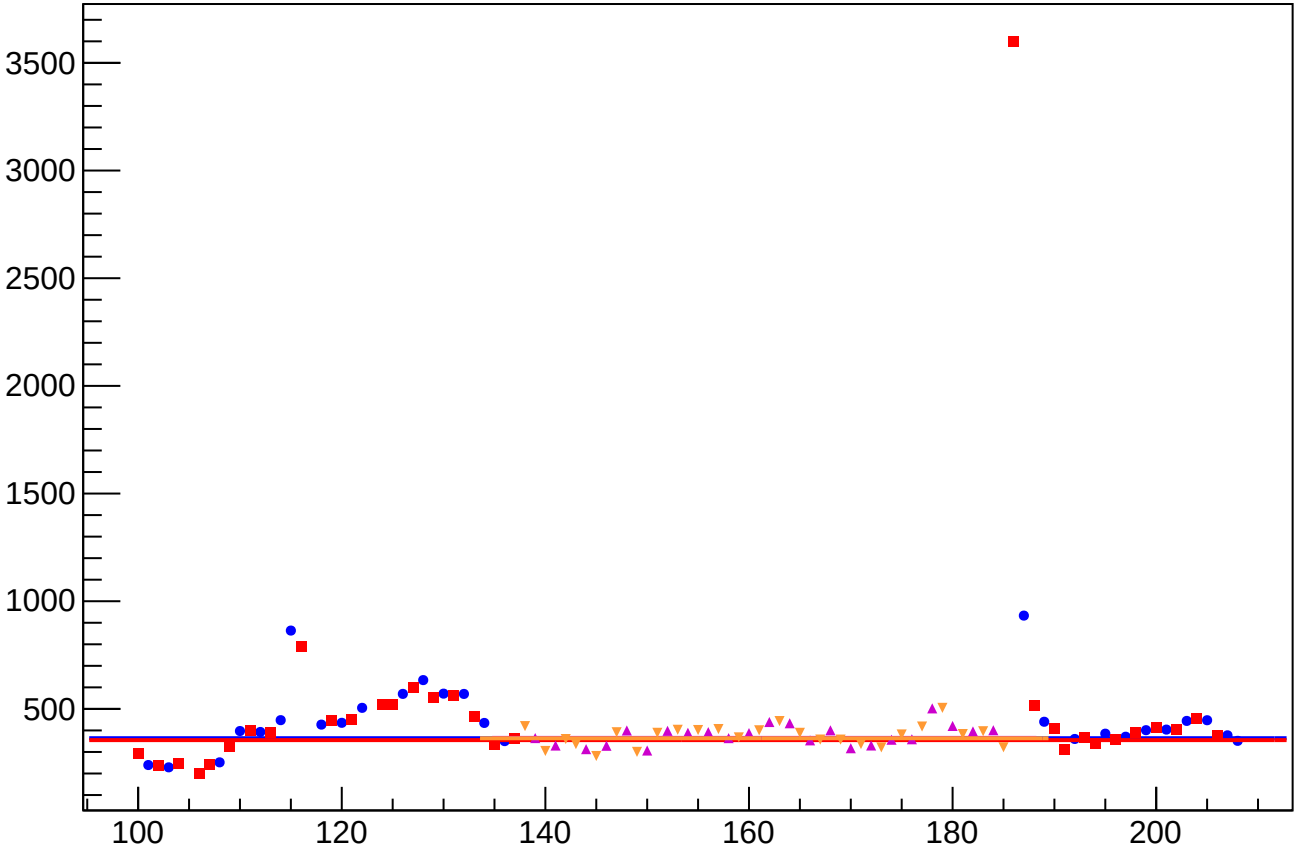
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -245.570+/-62.793 χ^2/NDF: 57.6/51

All: -192.768+/-44.442 χ^2/NDF: 110.7/105

- sign -139.774+/-62.908 χ^2/NDF: 51.7/53

asym_sam_37_48_dd_rms vs Slug



Right In: 363.897+/-0.067 χ^2/NDF: 2031619.3/26

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

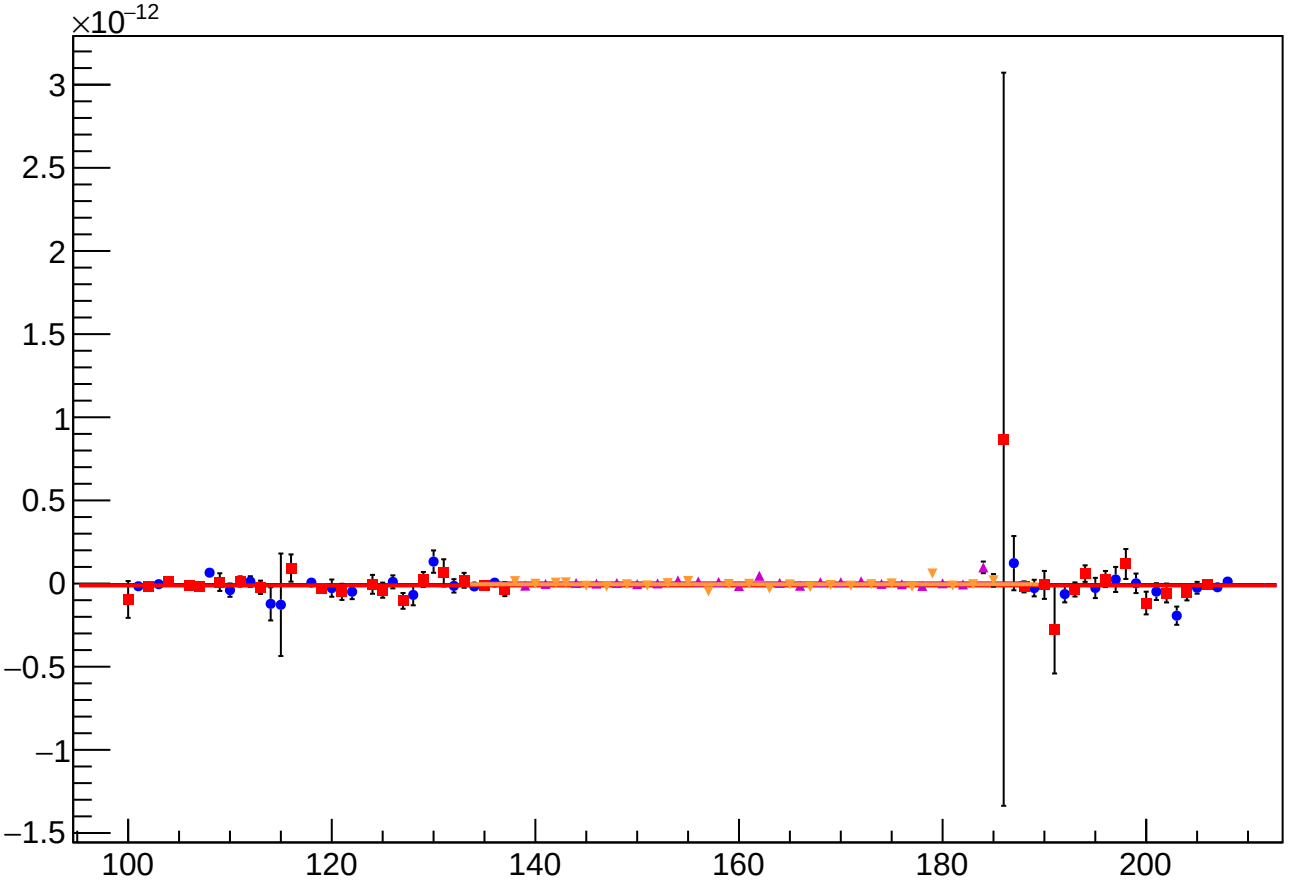
Right Out: 355.059+/-0.065 χ^2/NDF: 2804121.5/30

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 363.794+/-0.044 χ^2/NDF: 2700868.2/51

All: 362.162+/-0.031 χ^2/NDF: 6030451.0/105

- sign 360.523+/-0.044 χ^2/NDF: 3326874.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 32.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

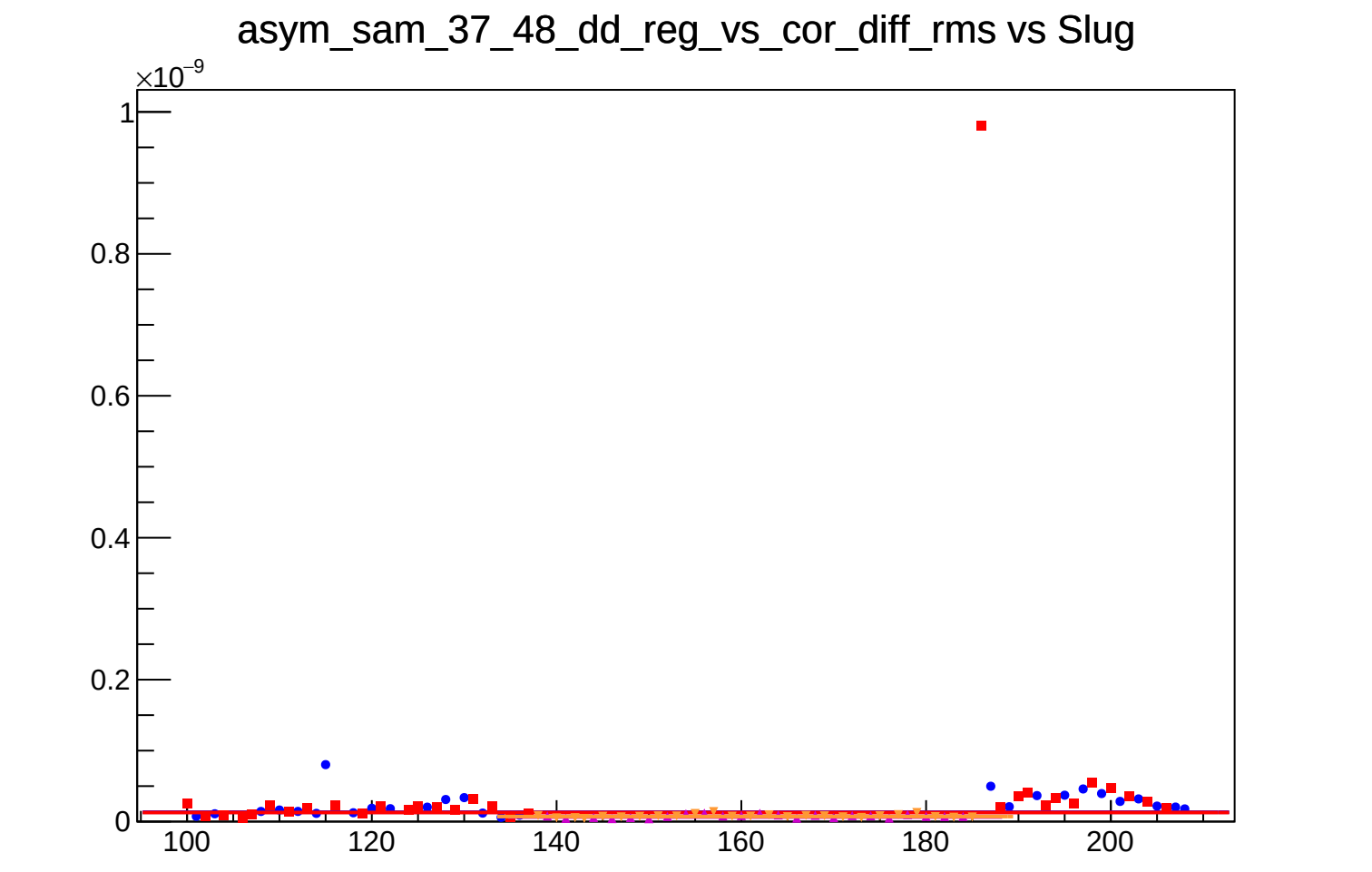
Right Out: -0.000+/-0.000 χ^2/NDF: 22.8/30

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.6/51

All: -0.000+/-0.000 χ^2/NDF: 104.5/105

- sign -0.000+/-0.000 χ^2/NDF: 48.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 3951814.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4685988.7/30

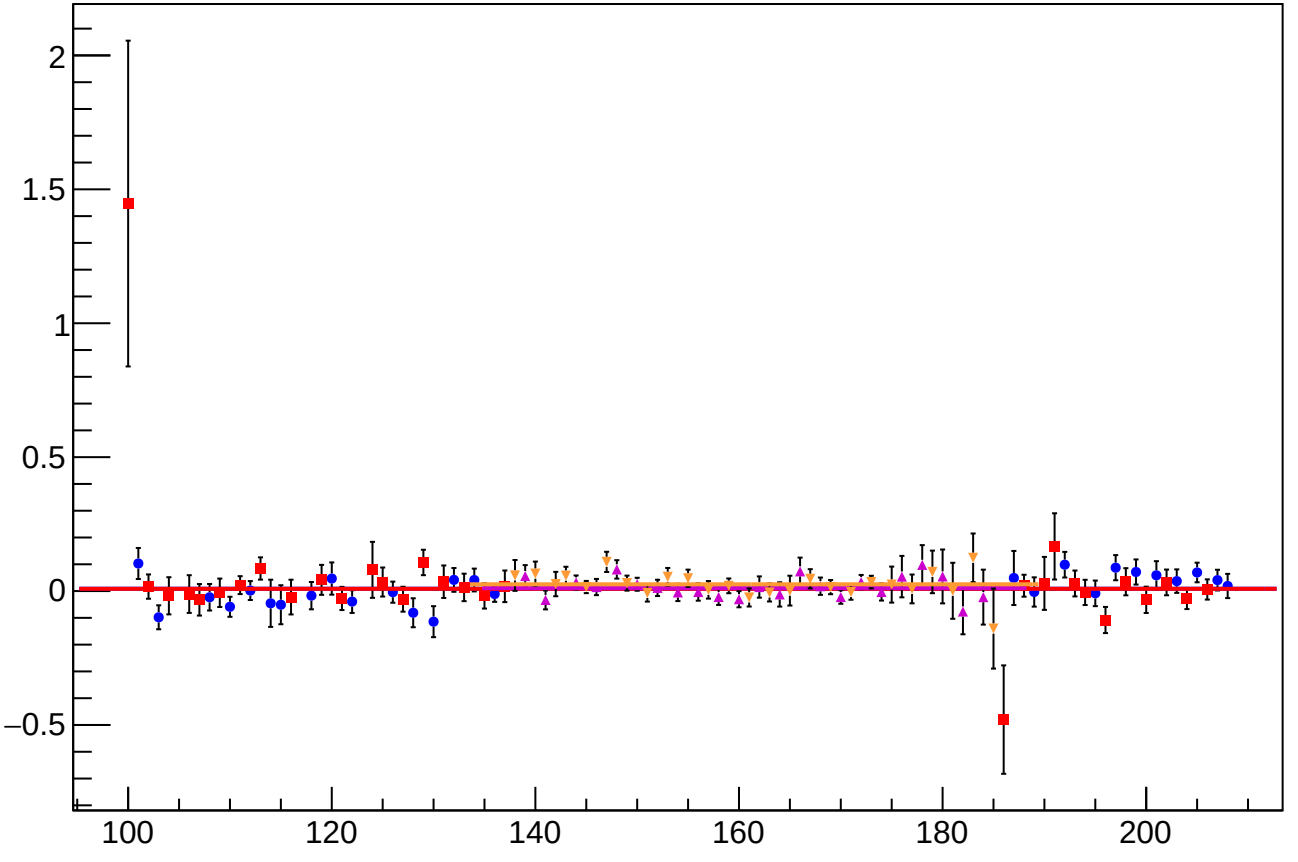
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6673654.0/51

All: 0.000+/-0.000 χ^2/NDF: 14610253.4/105

- sign 0.000+/-0.000 χ^2/NDF: 7860972.5/53

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.009 χ^2/NDF: 37.2/26

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.008+/-0.009 χ^2/NDF: 33.1/30

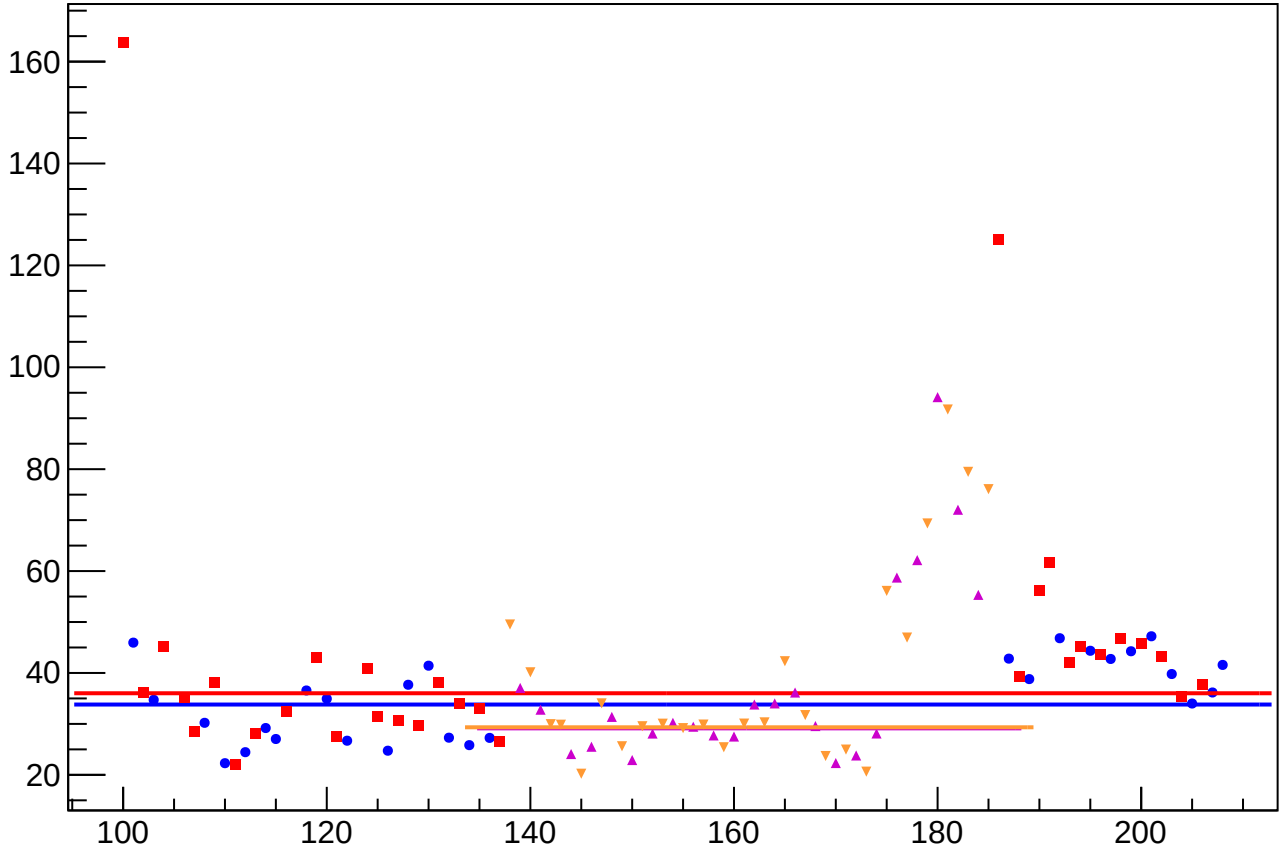
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.019+/-0.006 χ^2/NDF: 56.8/51

All: 0.014+/-0.004 χ^2/NDF: 110.1/105

- sign 0.010+/-0.006 χ^2/NDF: 52.1/53

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 33.802+/-0.006 χ^2/NDF: 1562124.7/26

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

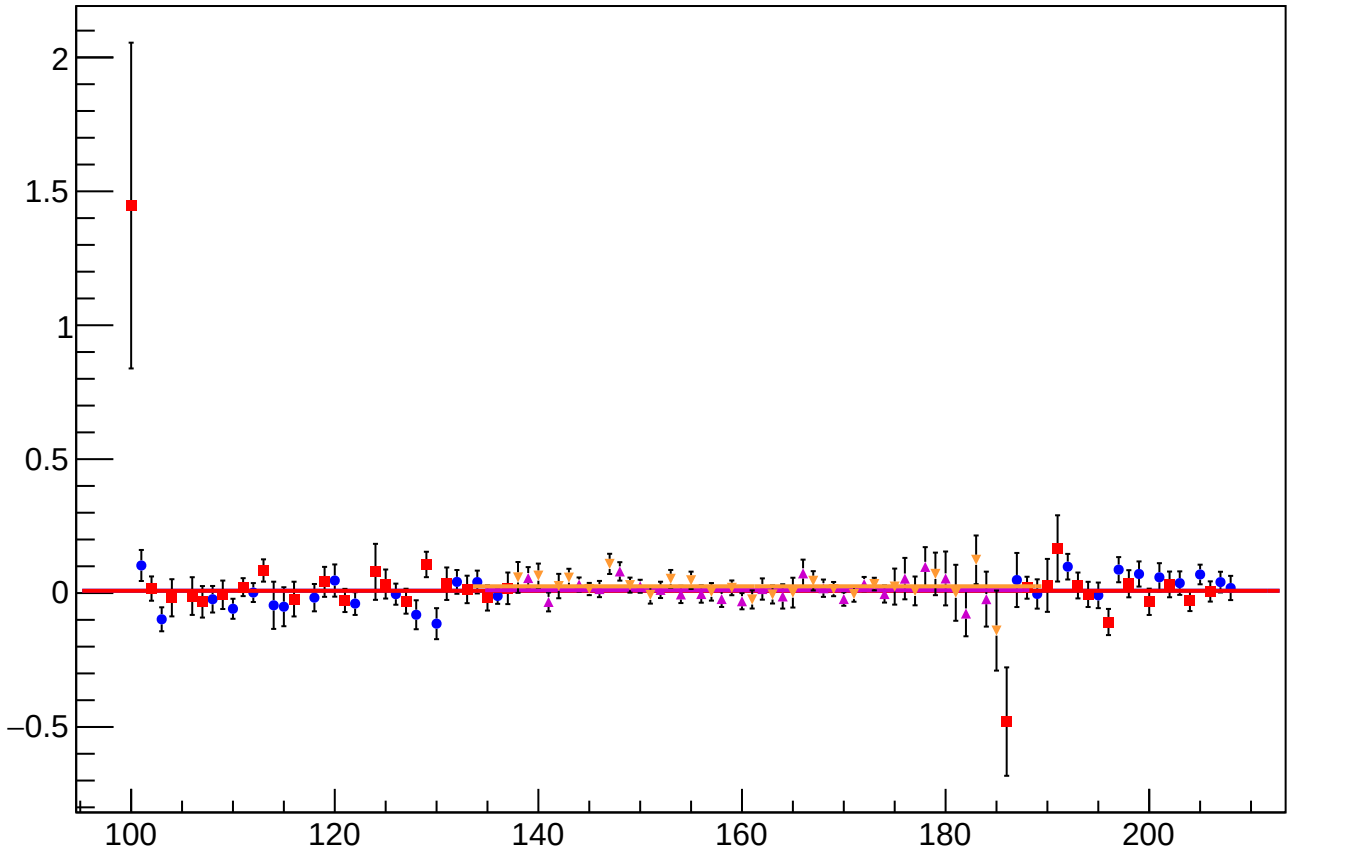
Right Out: 36.017+/-0.007 χ^2/NDF: 1782087.1/30

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 31.107+/-0.004 χ^2/NDF: 5744217.9/51

All: 31.418+/-0.003 χ^2/NDF: 11057288.3/105

- sign 31.747+/-0.004 χ^2/NDF: 5300284.0/53



Right In: 0.009+/-0.009 χ^2/NDF: 37.2/26

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

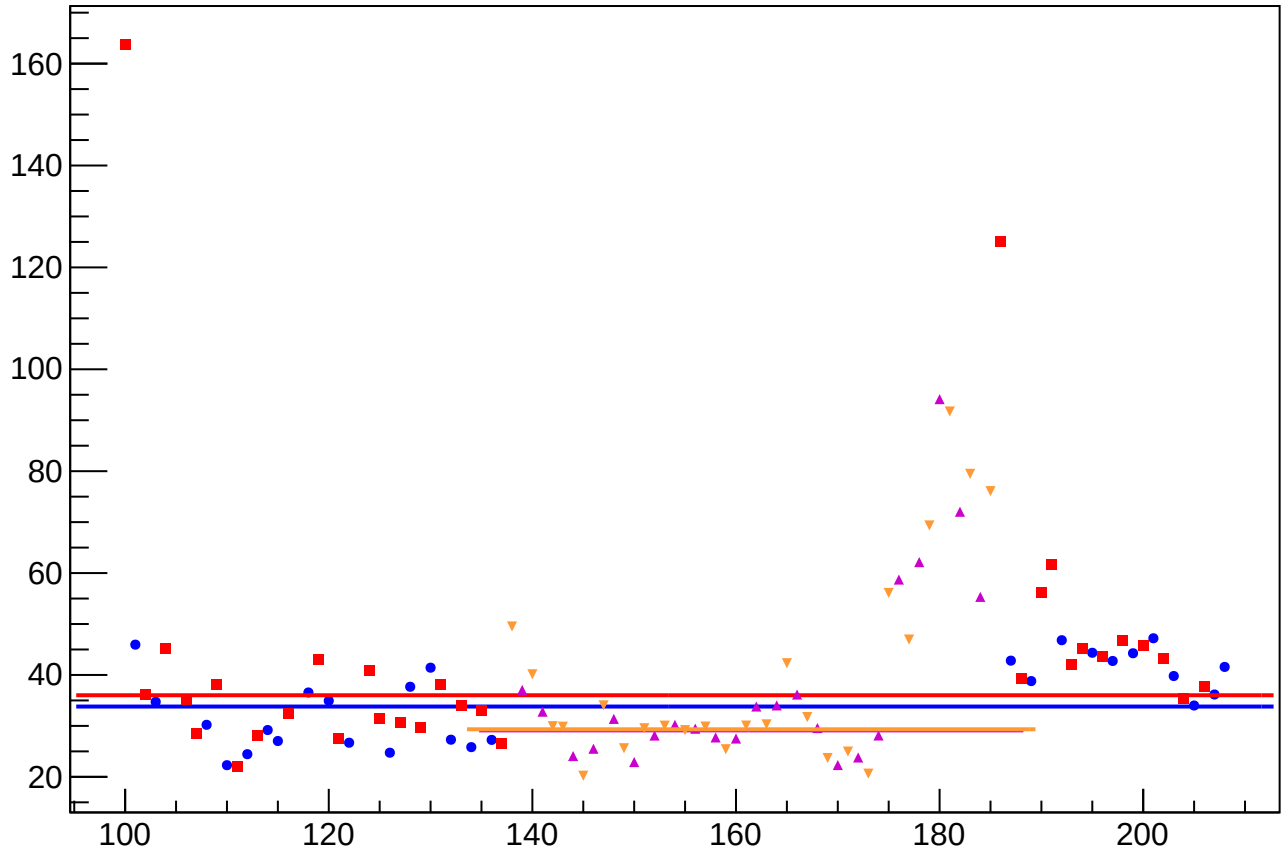
Right Out: 0.008+/-0.009 χ^2/NDF: 33.1/30

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.019+/-0.006 χ^2/NDF: 56.8/51

All: 0.014+/-0.004 χ^2/NDF: 110.1/105

- sign 0.010+/-0.006 χ^2/NDF: 52.1/53



Right In: 33.802+/-0.006 χ^2/NDF: 1562124.7/26

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

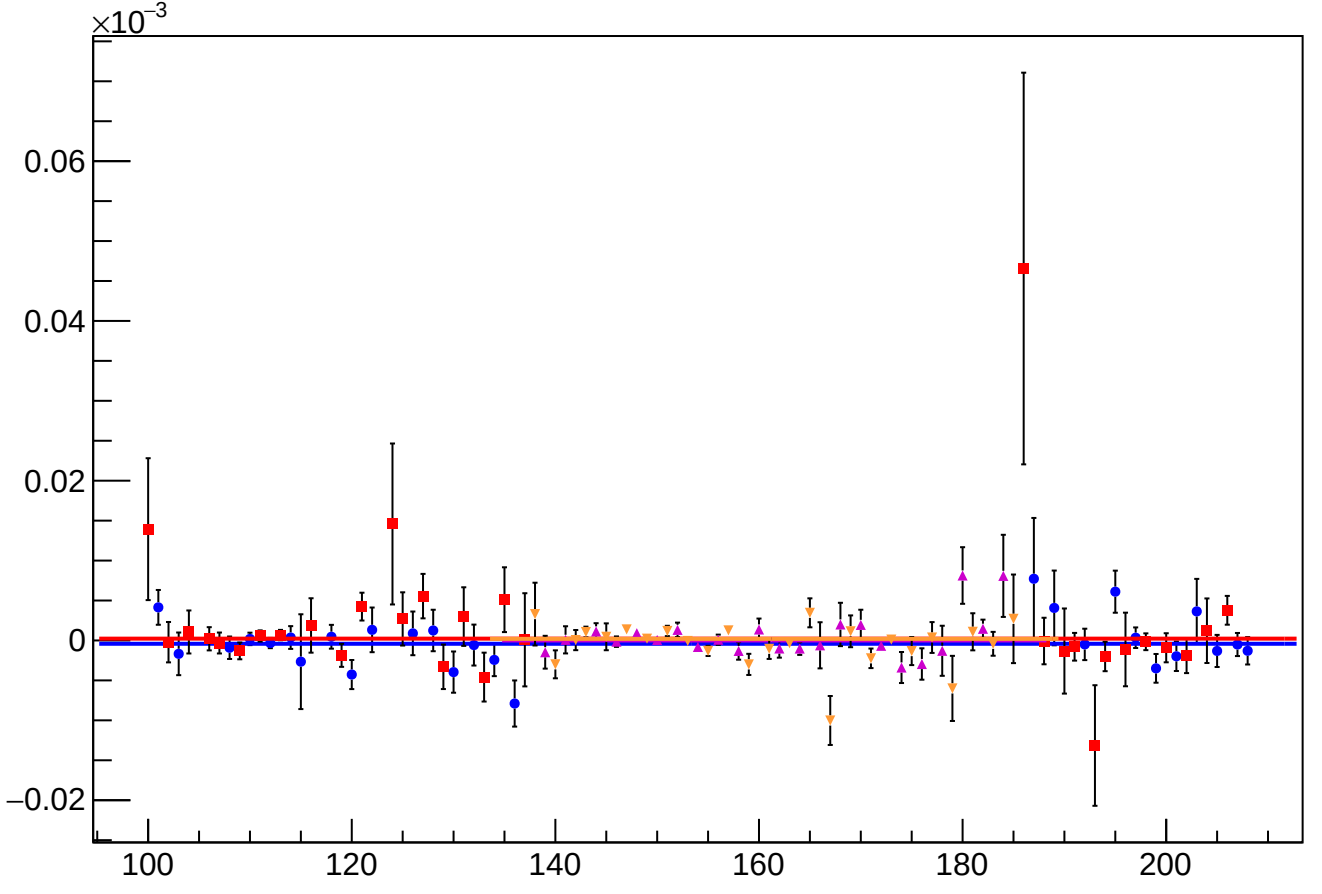
Right Out: 36.017+/-0.007 χ^2/NDF: 1782087.1/30

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 31.107+/-0.004 χ^2/NDF: 5744217.9/51

All: 31.418+/-0.003 χ^2/NDF: 11057288.3/105

- sign 31.747+/-0.004 χ^2/NDF: 5300284.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 34.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.6/30

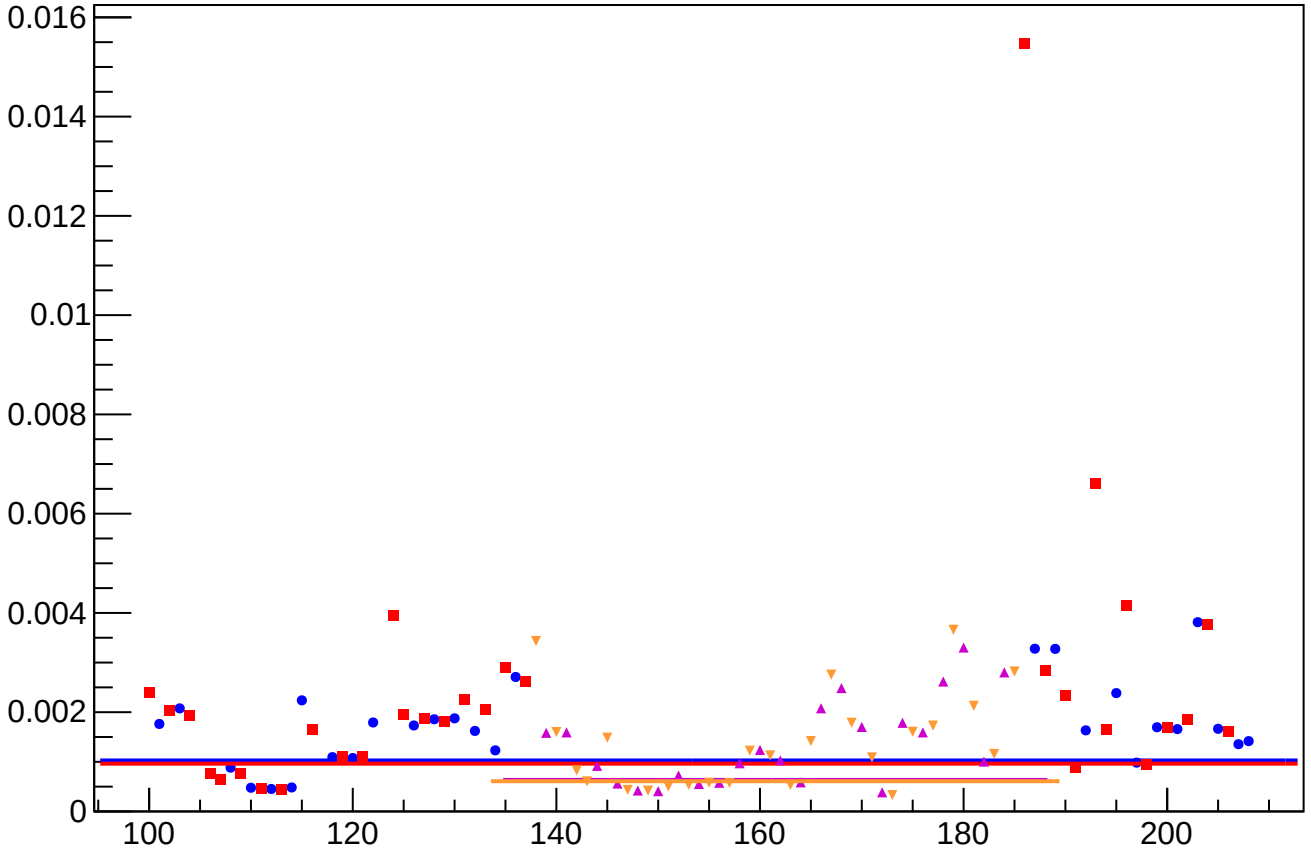
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 90.5/51

All: 0.000+/-0.000 χ^2/NDF: 163.4/105

- sign 0.000+/-0.000 χ^2/NDF: 72.9/53

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8263430.8/26

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

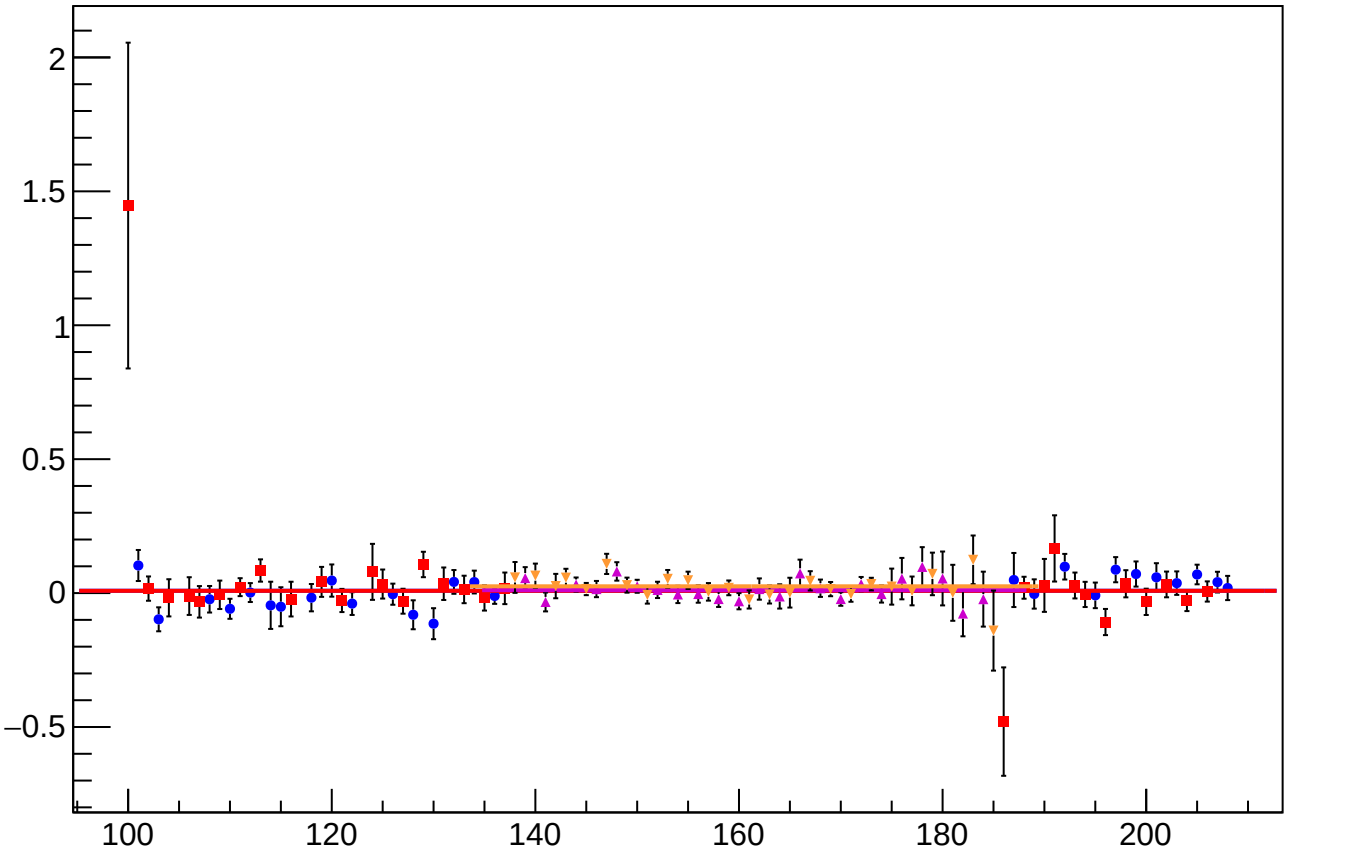
Right Out: 0.001+/-0.000 χ^2/NDF: 11083384.6/30

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 21967768.2/51

All: 0.001+/-0.000 χ^2/NDF: 44165780.2/105

- sign 0.001+/-0.000 χ^2/NDF: 22181958.1/53



Right In: 0.009+/-0.009 χ^2/NDF: 37.2/26

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

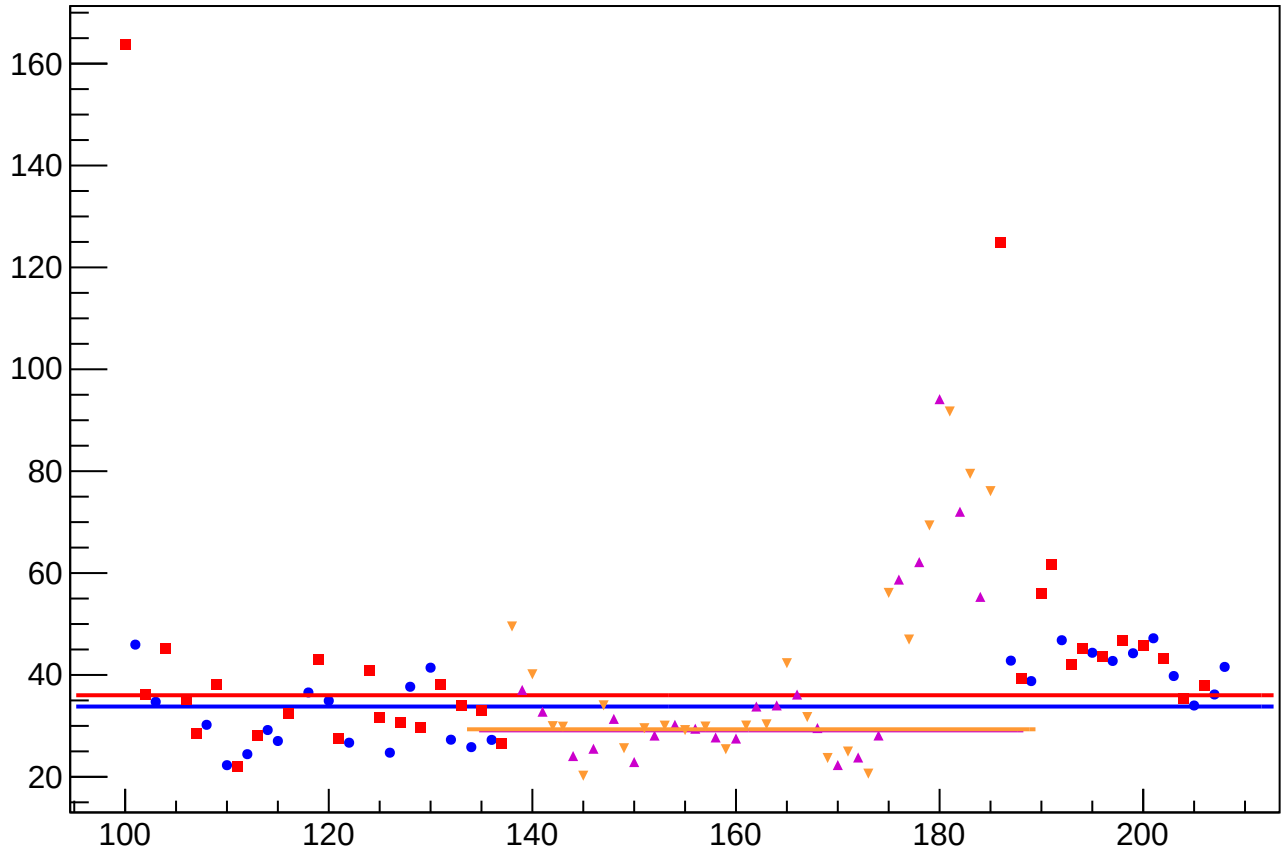
Right Out: 0.008+/-0.009 χ^2/NDF: 33.1/30

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.019+/-0.006 χ^2/NDF: 56.8/51

All: 0.014+/-0.004 χ^2/NDF: 110.1/105

- sign 0.010+/-0.006 χ^2/NDF: 52.1/53



Right In: 33.802+/-0.006 χ^2/NDF: 1562058.7/26

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 36.017+/-0.007 χ^2/NDF: 1781988.9/30

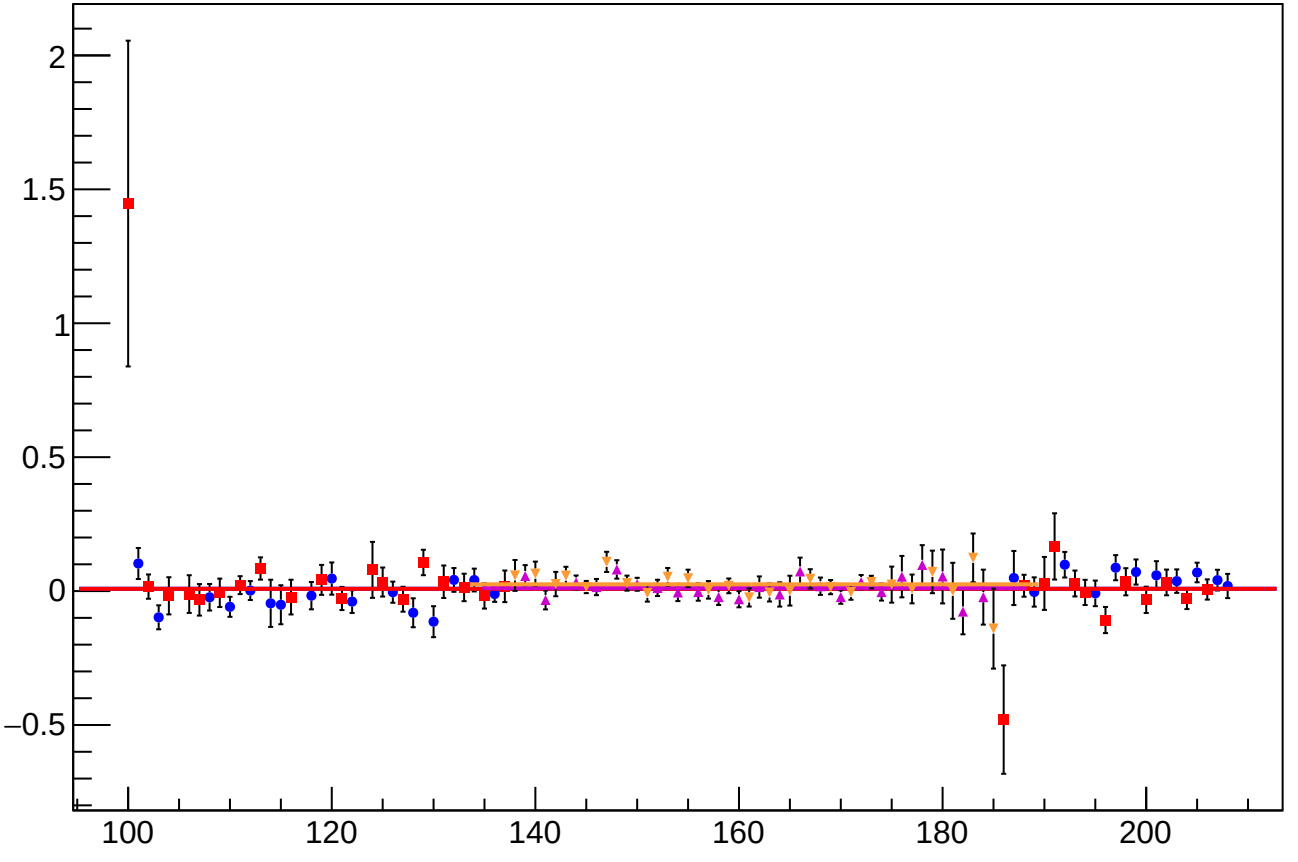
Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 31.107+/-0.004 χ^2/NDF: 5744250.2/51

All: 31.418+/-0.003 χ^2/NDF: 11057238.2/105

- sign 31.747+/-0.004 χ^2/NDF: 5300200.2/53

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009+/-0.009 χ^2/NDF: 37.2/26

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

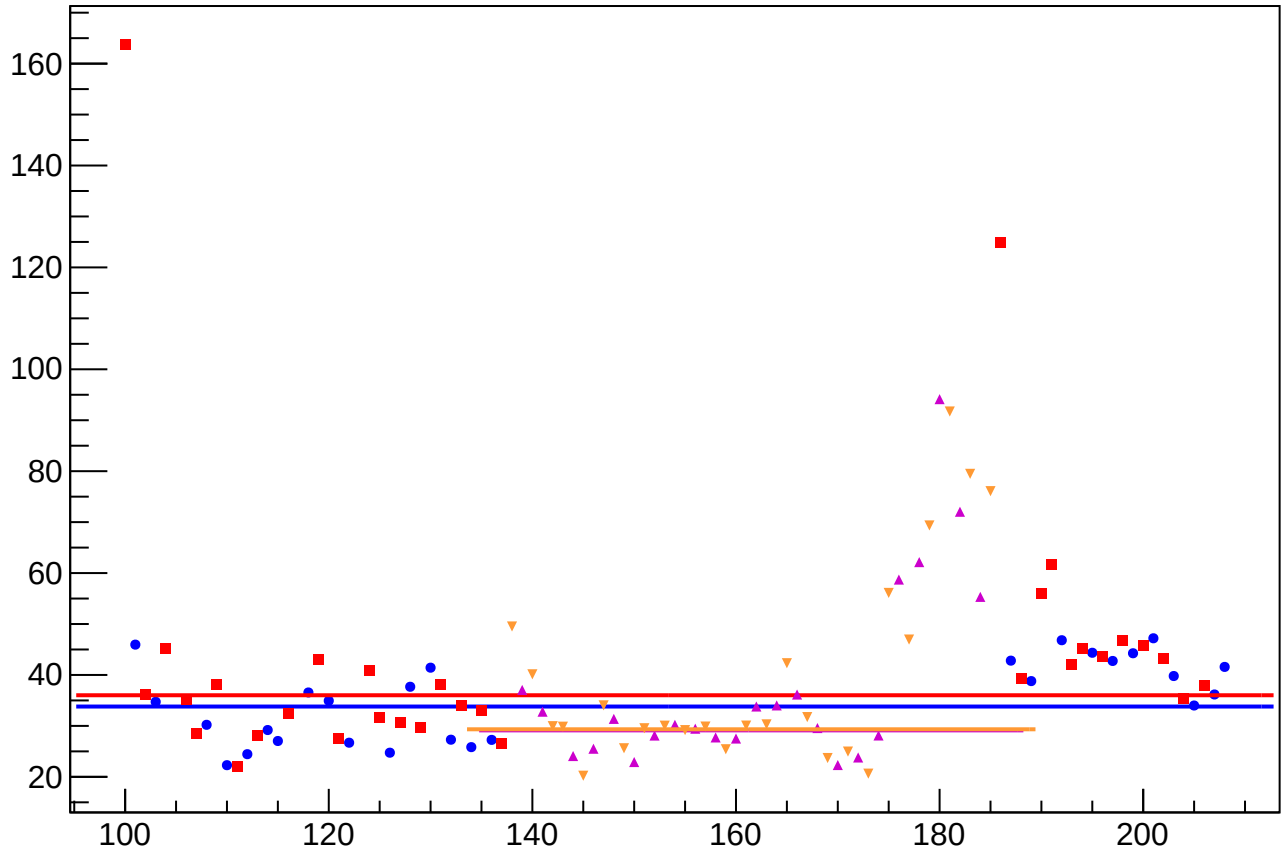
Right Out: 0.008+/-0.009 χ^2/NDF: 33.1/30

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.019+/-0.006 χ^2/NDF: 56.8/51

All: 0.014+/-0.004 χ^2/NDF: 110.1/105

- sign 0.010+/-0.006 χ^2/NDF: 52.1/53



Right In: 33.802+/-0.006 χ^2/NDF: 1562058.7/26

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

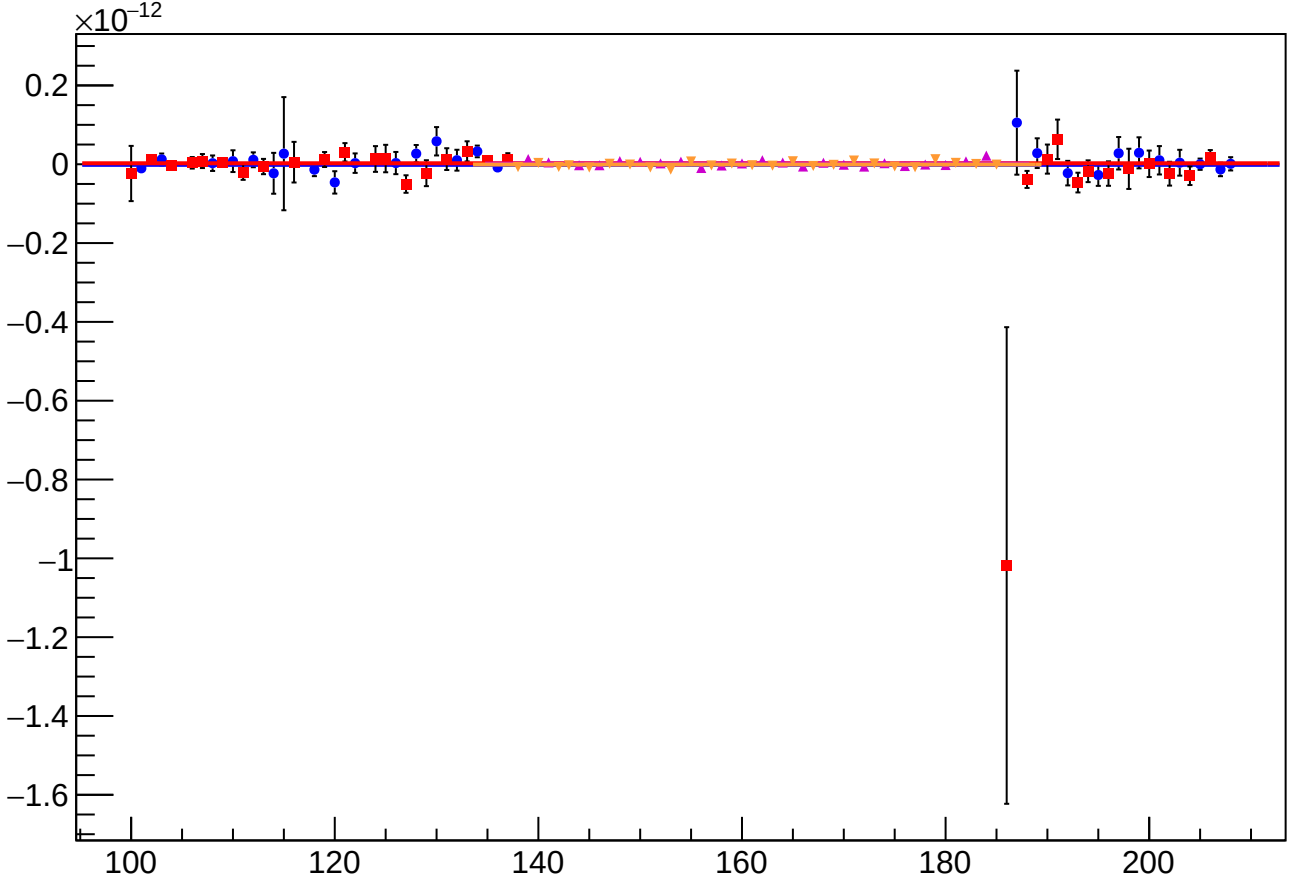
Right Out: 36.017+/-0.007 χ^2/NDF: 1781988.9/30

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 31.107+/-0.004 χ^2/NDF: 5744250.2/51

All: 31.418+/-0.003 χ^2/NDF: 11057238.2/105

- sign 31.747+/-0.004 χ^2/NDF: 5300200.2/53



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

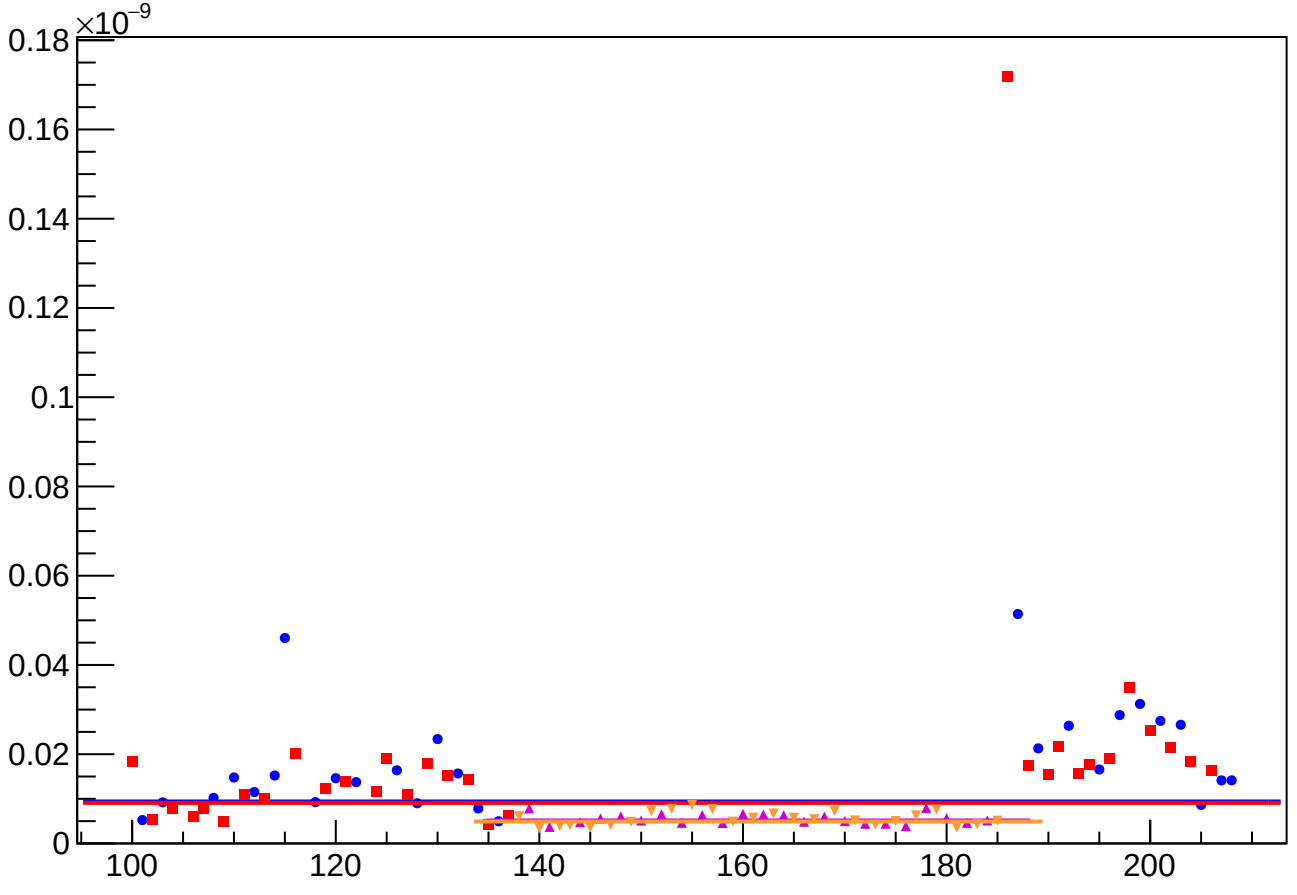
Right Out: 0.000+/-0.000 χ^2/NDF: 30.6/30

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.4/51

All: 0.000+/-0.000 χ^2/NDF: 85.4/105

- sign 0.000+/-0.000 χ^2/NDF: 47.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 6017702.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5625516.9/30

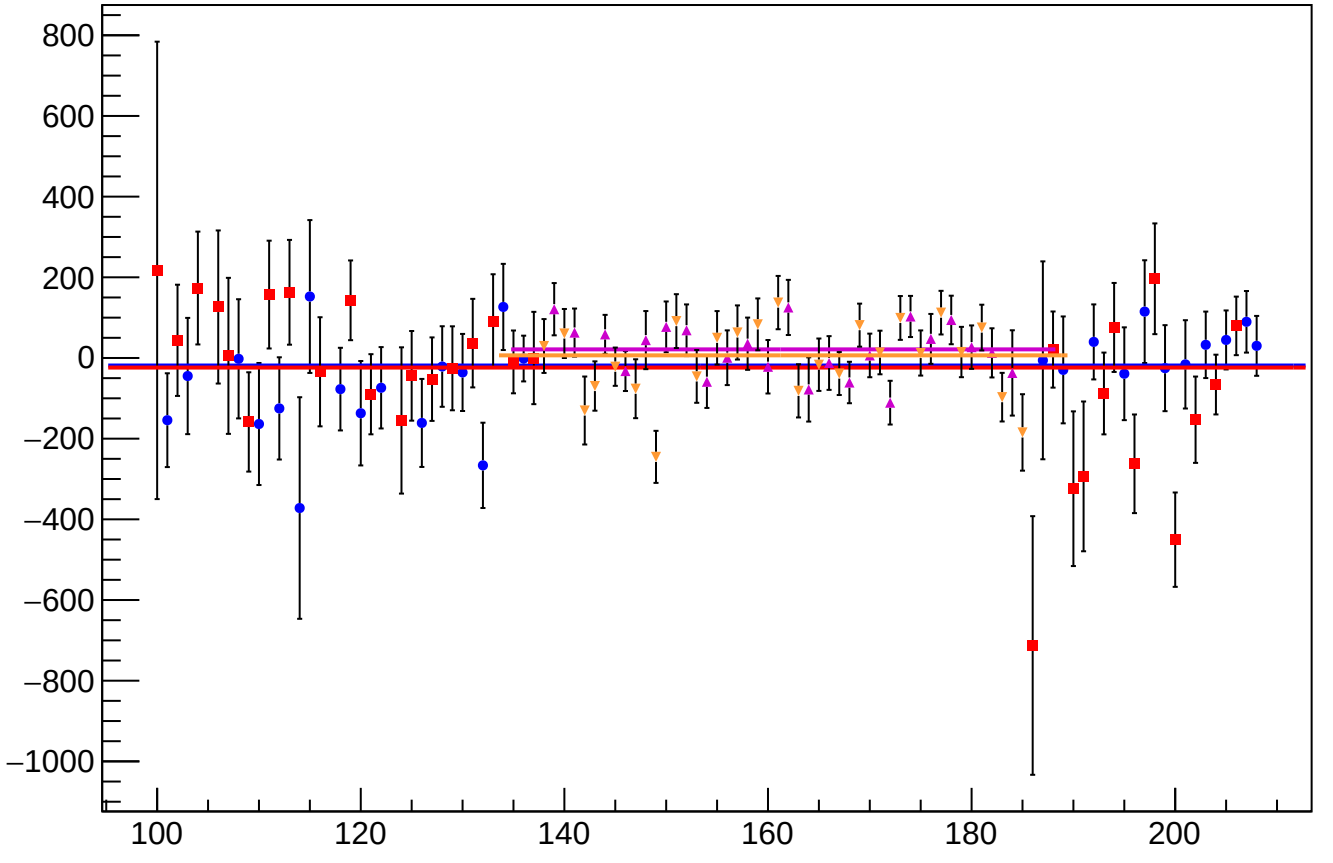
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10858258.6/51

All: 0.000+/-0.000 χ^2/NDF: 19828479.0/105

- sign 0.000+/-0.000 χ^2/NDF: 8942200.3/53

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -18.682+/-19.859 χ^2/NDF: 21.2/26

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -23.736+/-20.820 χ^2/NDF: 47.6/30

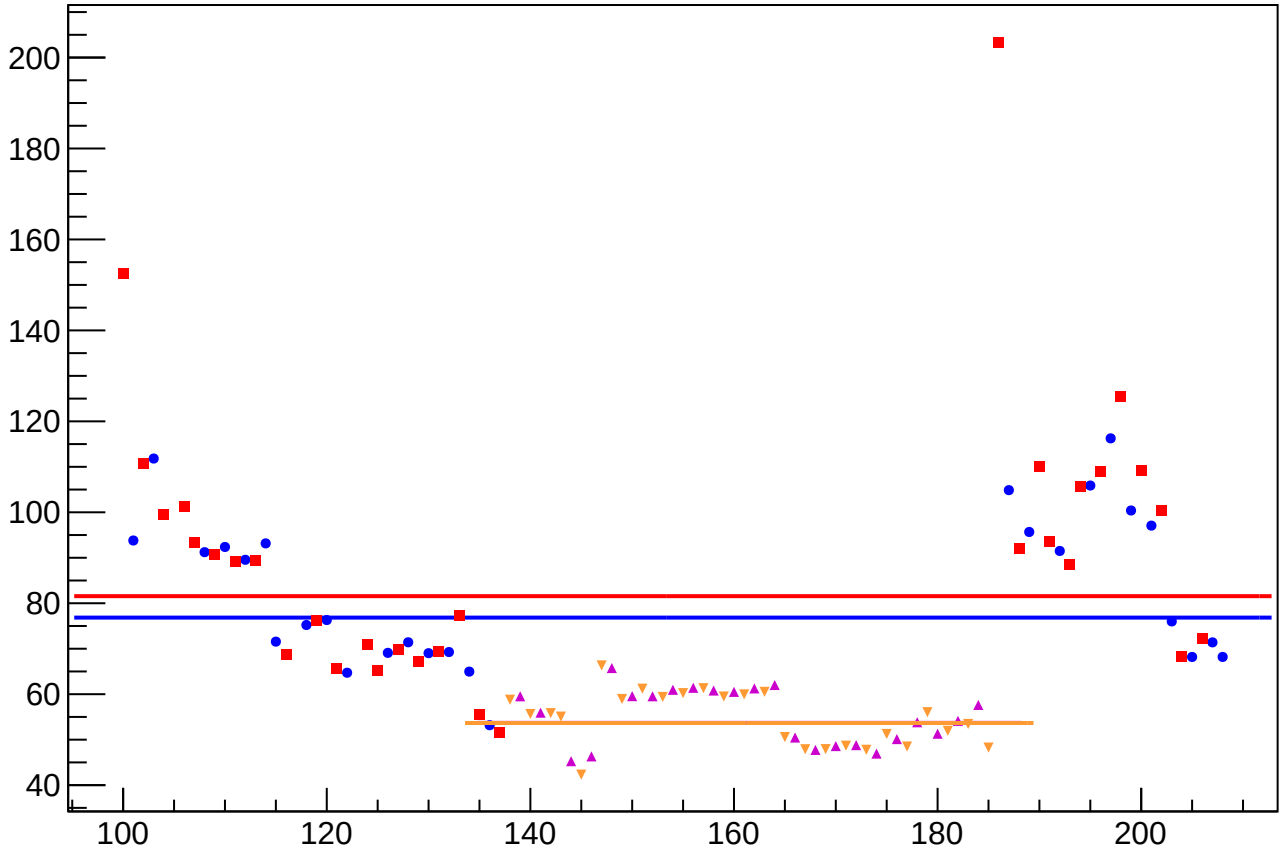
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -0.455+/-10.449 χ^2/NDF: 73.0/51

All: 4.201+/-7.513 χ^2/NDF: 149.8/105

- sign 9.184+/-10.810 χ^2/NDF: 76.4/53

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 76.843+/-0.014 χ^2/NDF: 1338151.6/26

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

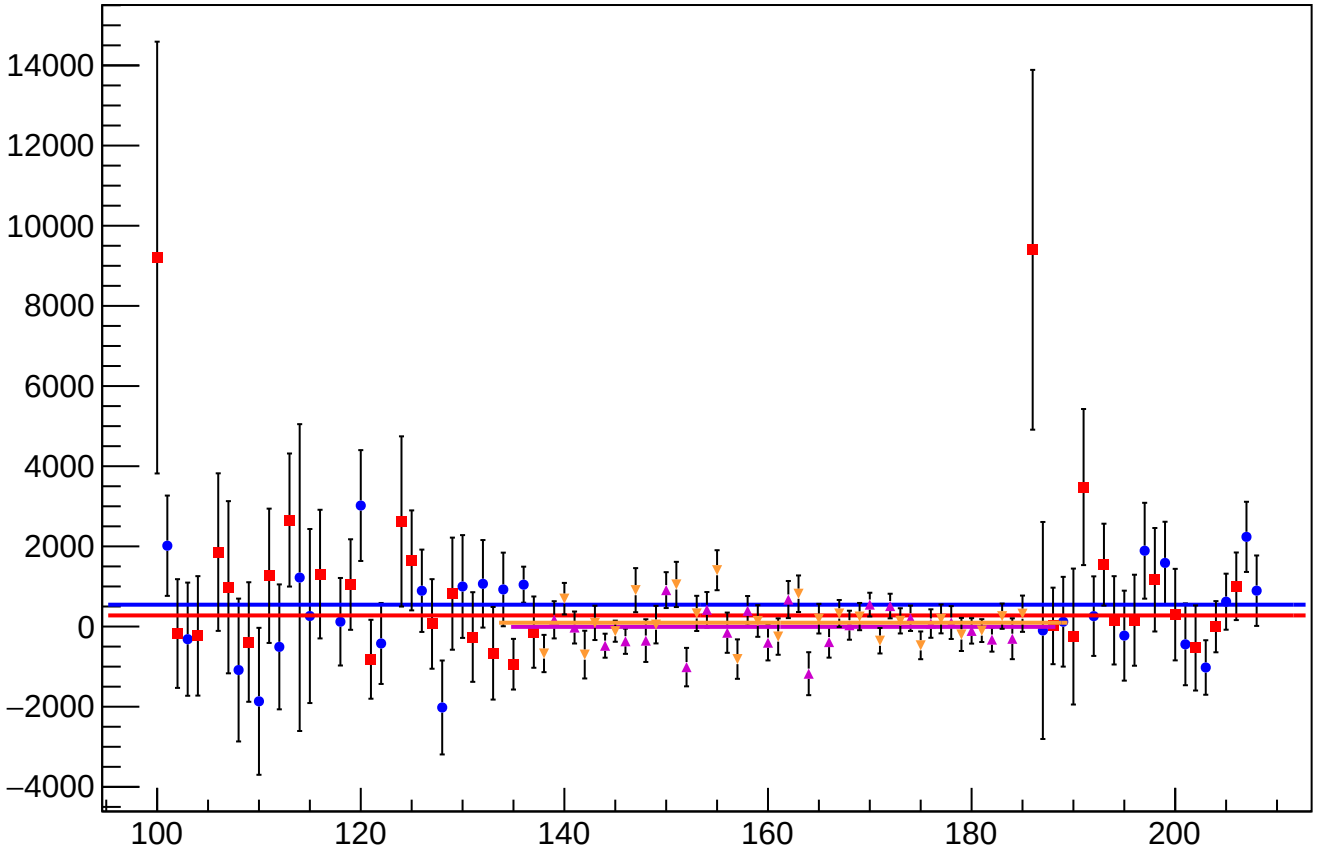
Right Out: 81.556+/-0.015 χ^2/NDF: 1834685.3/30

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.082+/-0.007 χ^2/NDF: 3780461.5/51

All: 60.625+/-0.005 χ^2/NDF: 8713784.1/105

- sign 61.206+/-0.008 χ^2/NDF: 4922135.0/53



Right In: 545.037+/-195.339 χ^2/NDF: 29.0/26

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: 277.268+/-209.421 χ^2/NDF: 26.5/30

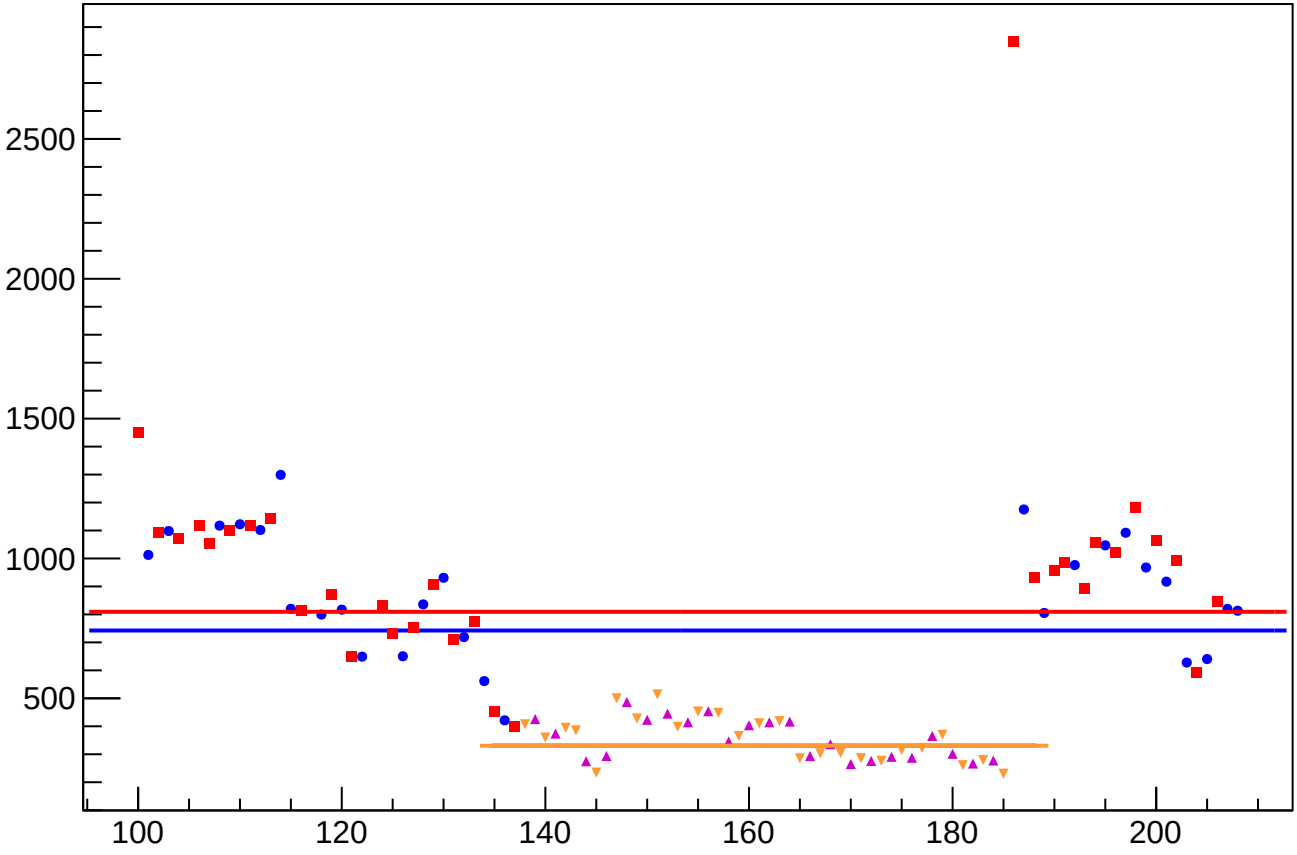
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 156.101+/-71.743 χ^2/NDF: 66.7/51

All: 93.924+/-51.516 χ^2/NDF: 128.7/105

- sign 27.742+/-74.018 χ^2/NDF: 60.4/53

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 742.458+/-0.138 χ^2/NDF: 2515403.5/26

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 809.322+/-0.148 χ^2/NDF: 2867570.5/30

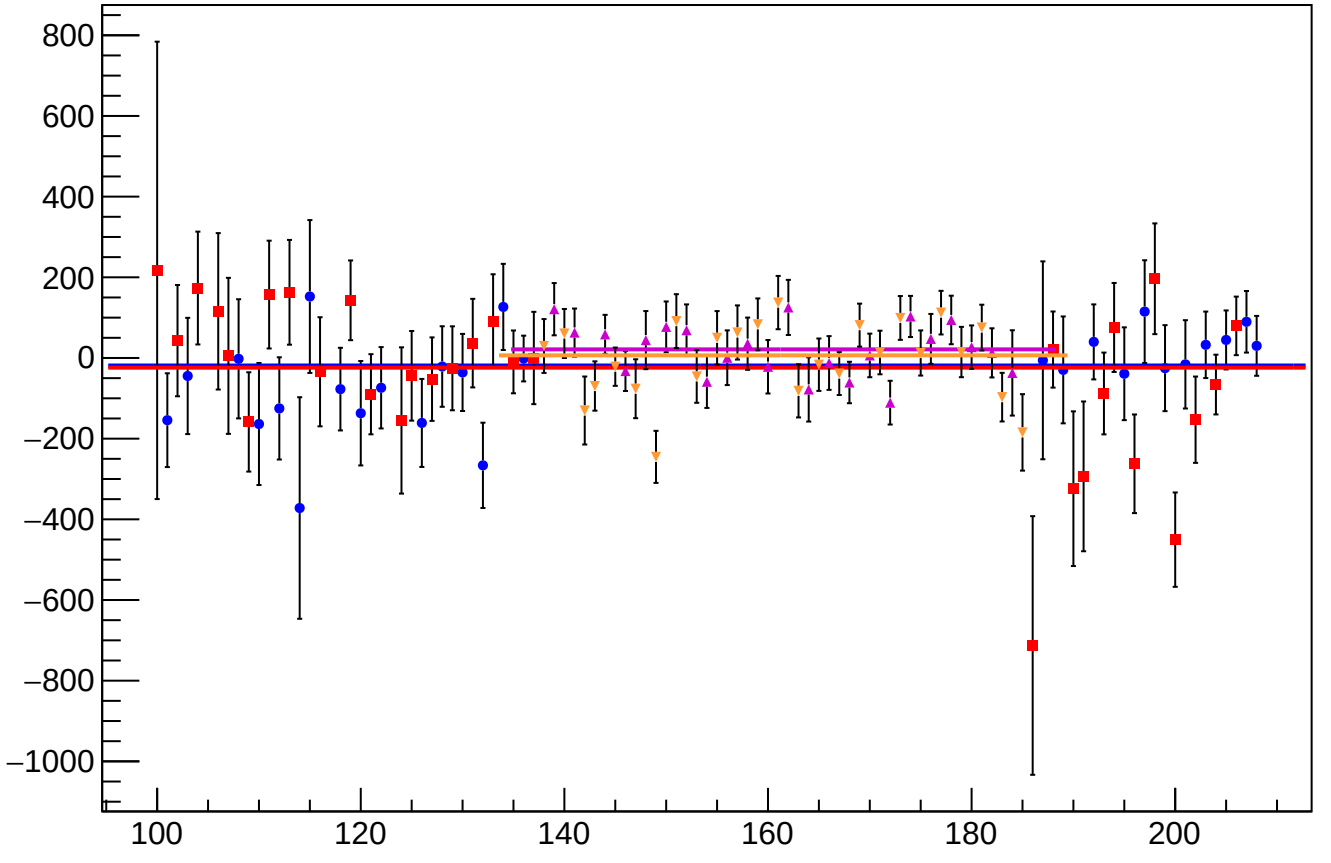
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 385.988+/-0.051 χ^2/NDF: 11966757.6/51

All: 388.321+/-0.036 χ^2/NDF: 25292178.8/10

- sign 390.804+/-0.052 χ^2/NDF: 13321055.3/53

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -18.672+/-19.859 χ^2/NDF: 21.2/26

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -23.956+/-20.825 χ^2/NDF: 47.4/30

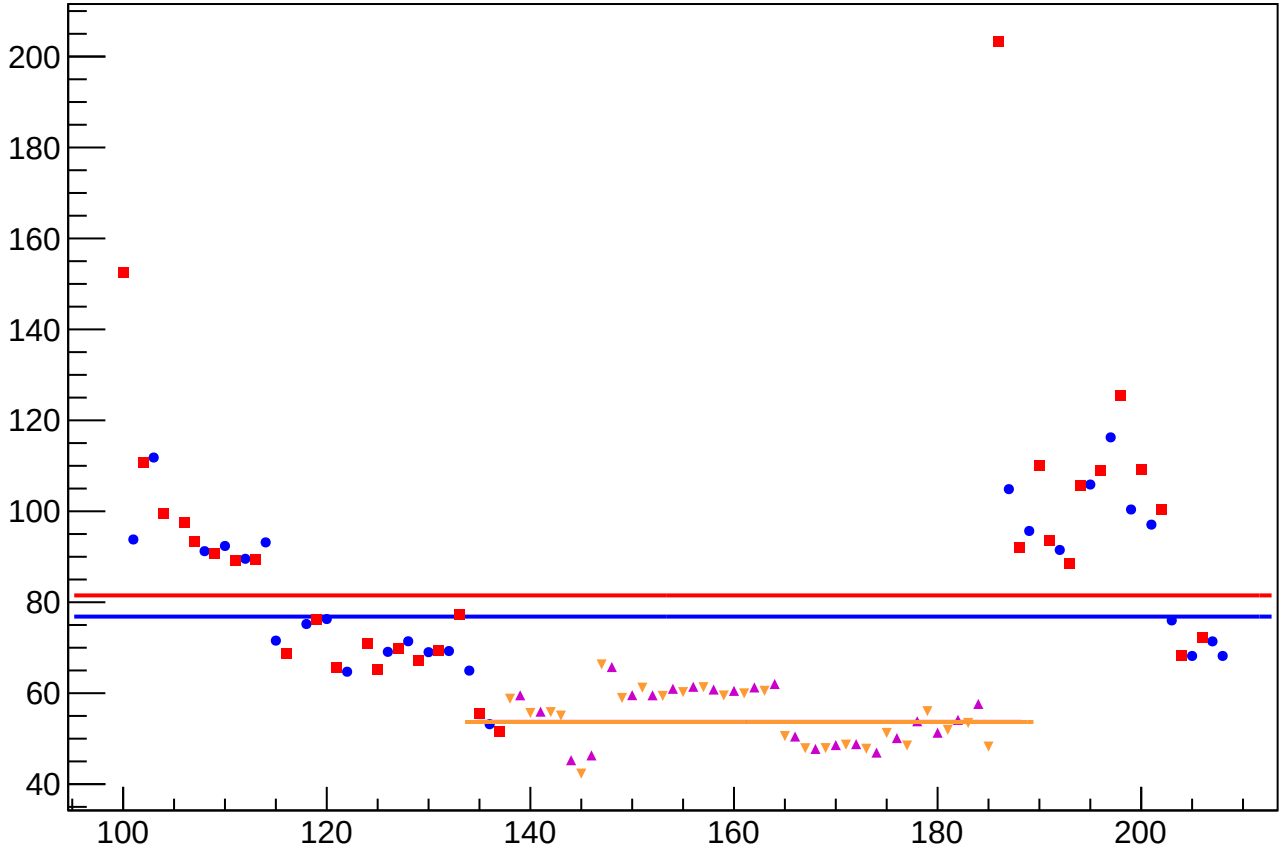
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -0.450+/-10.449 χ^2/NDF: 73.0/51

All: 4.176+/-7.513 χ^2/NDF: 149.7/105

- sign 9.129+/-10.811 χ^2/NDF: 76.3/53

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 76.843+/-0.014 χ^2/NDF: 1338153.9/26

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

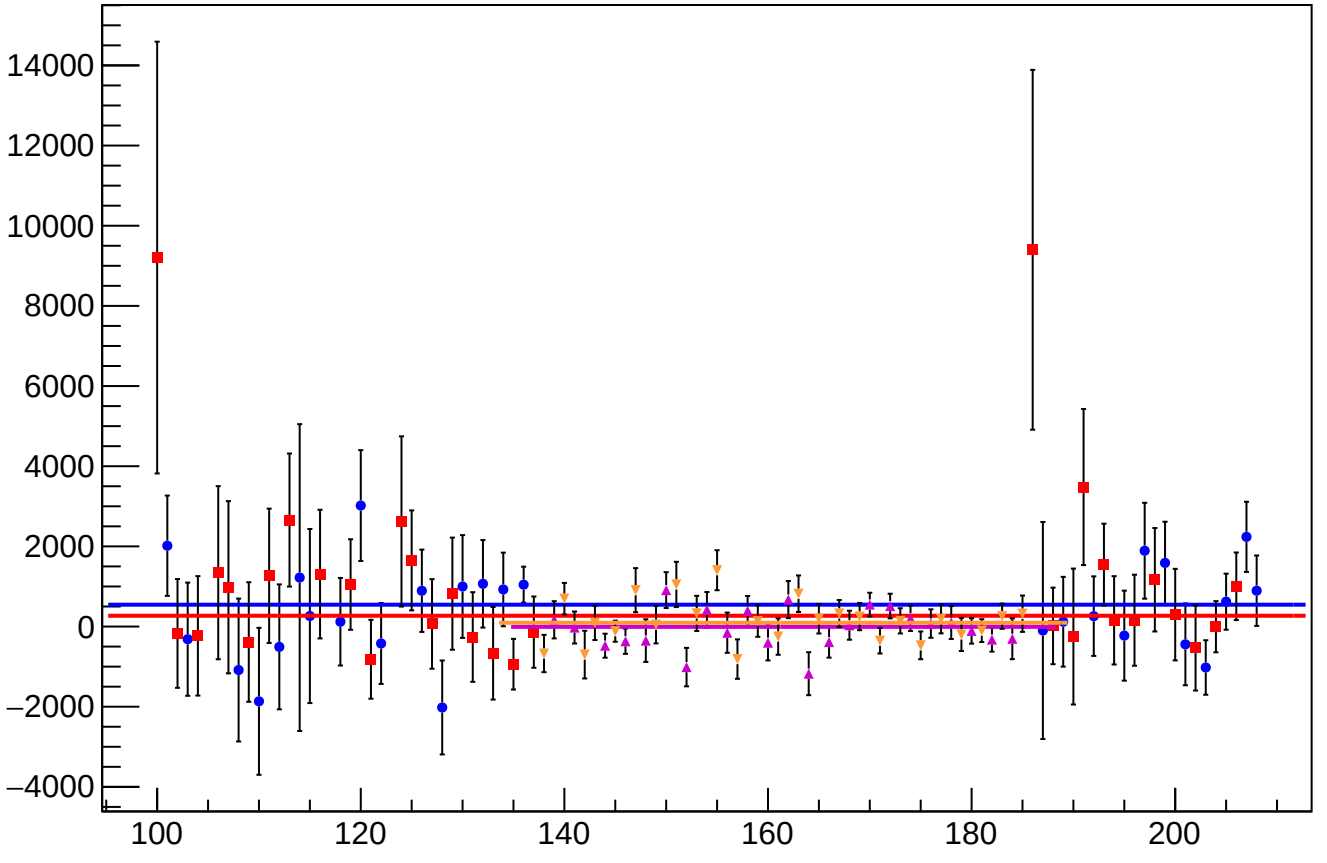
Right Out: 81.505+/-0.015 χ^2/NDF: 1827035.3/30

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.082+/-0.007 χ^2/NDF: 3780464.1/51

All: 60.617+/-0.005 χ^2/NDF: 8695027.0/105

- sign 61.189+/-0.008 χ^2/NDF: 4903710.9/53



Right In: 545.035+/-195.339 χ^2/NDF: 29.0/26

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

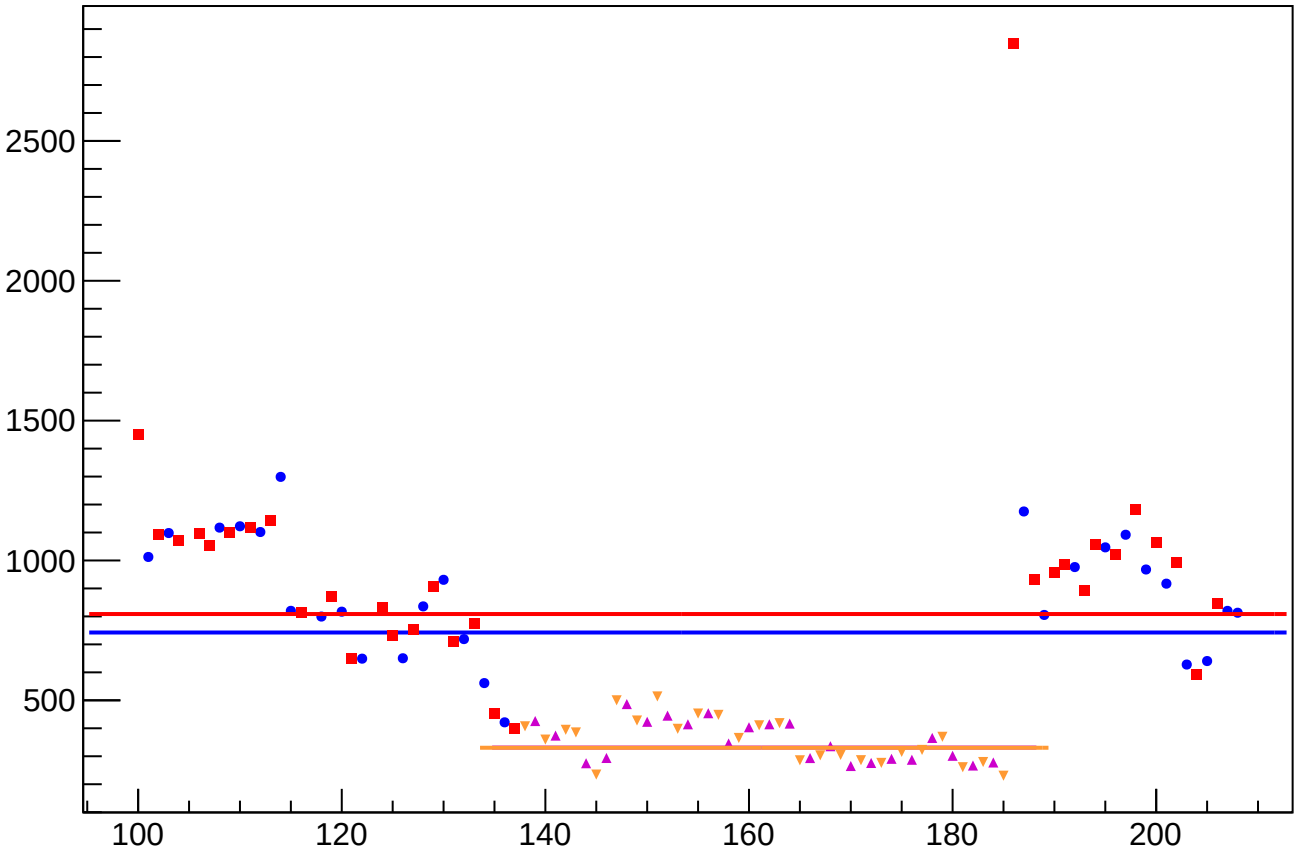
Right Out: 269.428+/-209.628 χ^2/NDF: 26.1/30

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 156.103+/-71.743 χ^2/NDF: 66.7/51

All: 93.431+/-51.519 χ^2/NDF: 128.2/105

- sign 26.706+/-74.027 χ^2/NDF: 59.9/53



Right In: 742.458+/-0.138 χ^2/NDF: 2515426.7/26

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 808.513+/-0.148 χ^2/NDF: 2853579.8/30

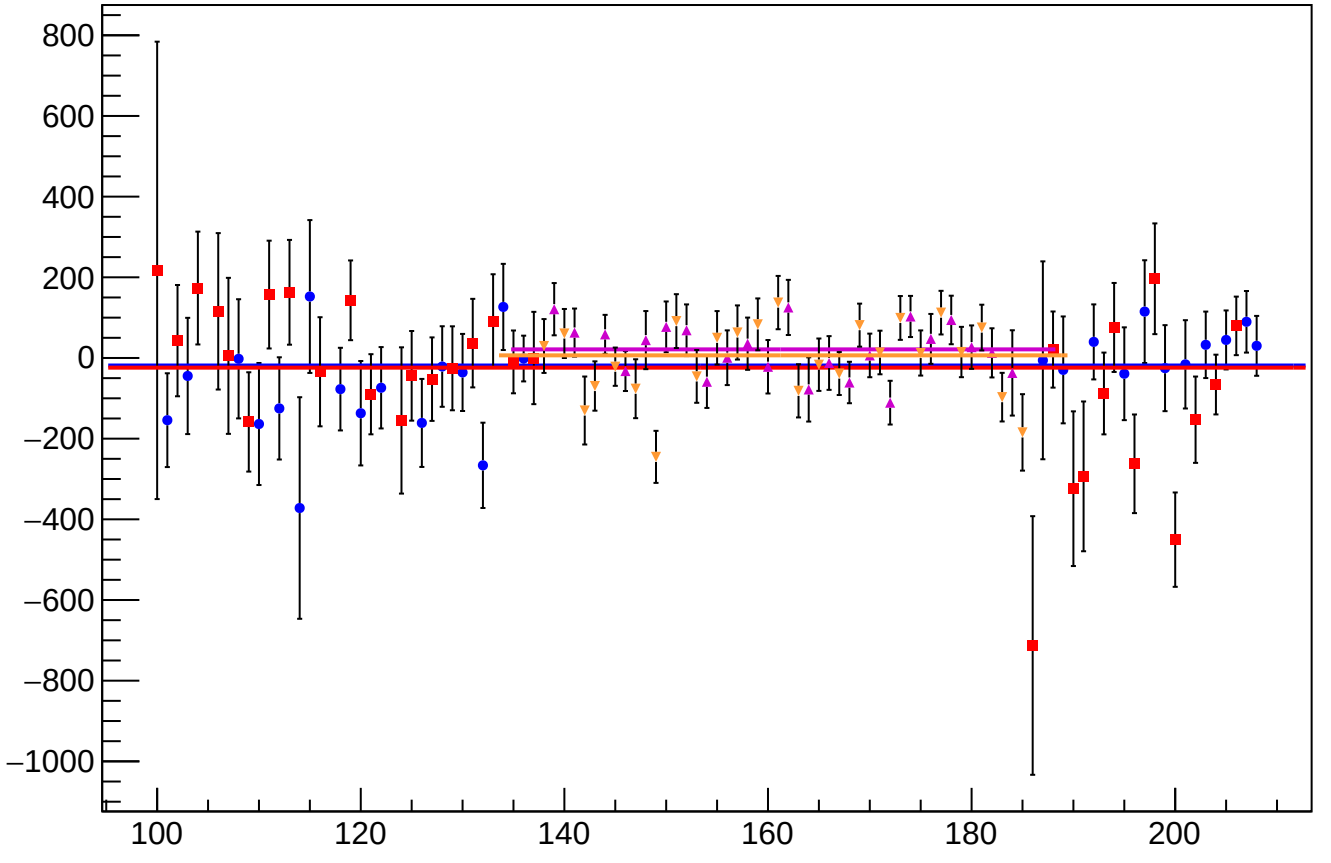
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 385.988+/-0.051 χ^2/NDF: 11966777.4/51

All: 388.222+/-0.036 χ^2/NDF: 25231284.5/10

- sign 390.600+/-0.052 χ^2/NDF: 13260504.2/53

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -18.672+/-19.859 χ^2/NDF: 21.2/26

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -23.956+/-20.825 χ^2/NDF: 47.4/30

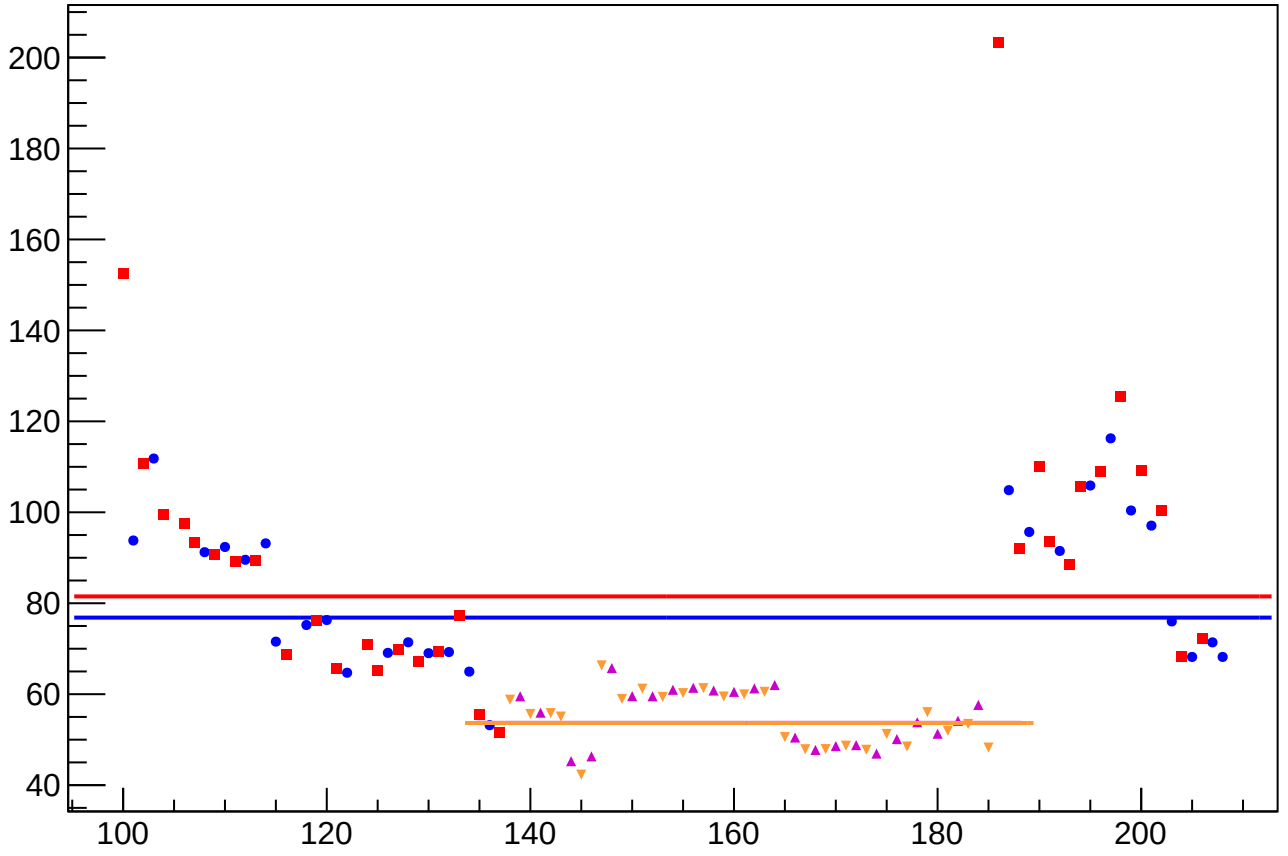
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -0.450+/-10.449 χ^2/NDF: 73.0/51

All: 4.176+/-7.513 χ^2/NDF: 149.7/105

- sign 9.129+/-10.811 χ^2/NDF: 76.3/53

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 76.843+/-0.014 χ^2/NDF: 1338153.9/26

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

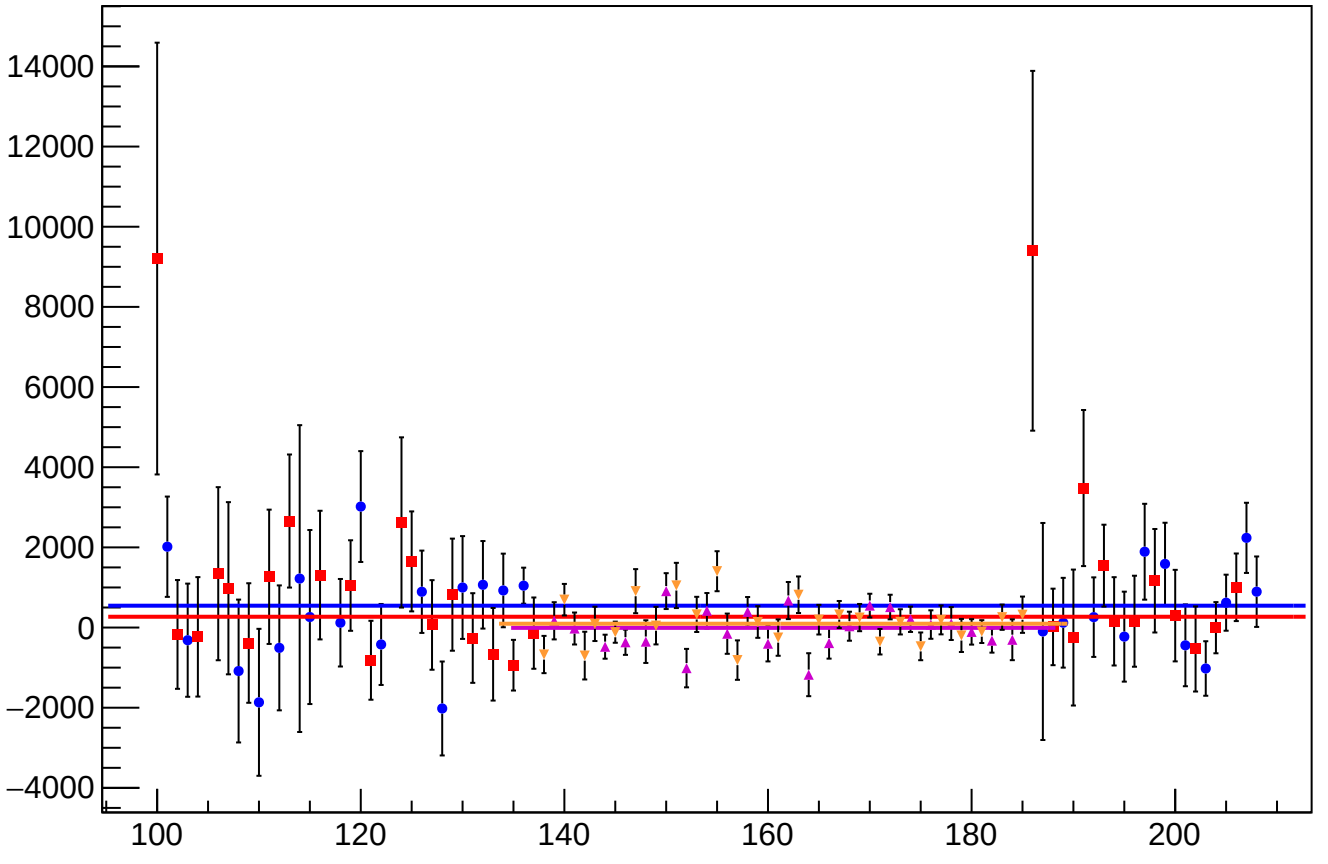
Right Out: 81.505+/-0.015 χ^2/NDF: 1827035.3/30

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.082+/-0.007 χ^2/NDF: 3780464.1/51

All: 60.617+/-0.005 χ^2/NDF: 8695027.0/105

- sign 61.189+/-0.008 χ^2/NDF: 4903710.9/53



Right In: 545.035+/-195.339 χ^2/NDF: 29.0/26

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

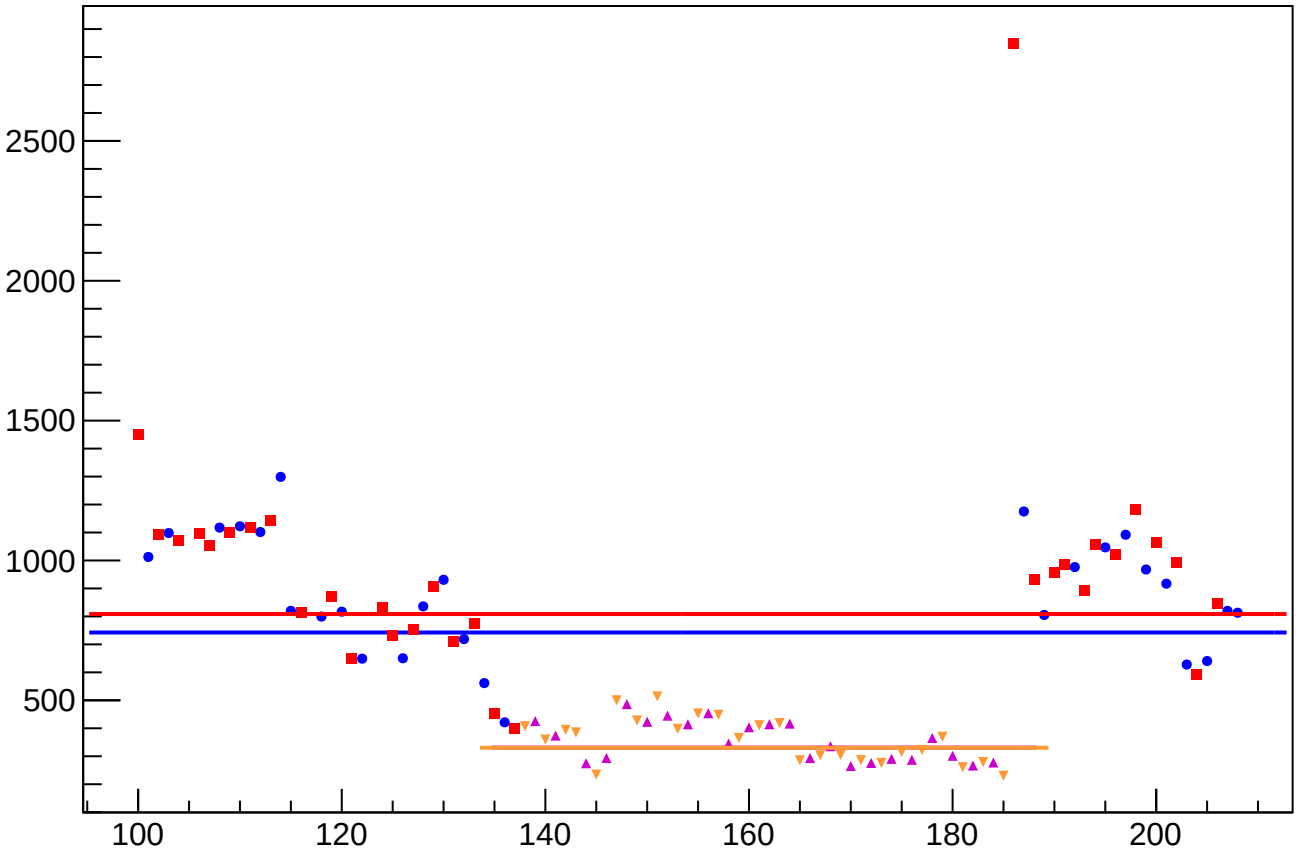
Right Out: 269.428+/-209.628 χ^2/NDF: 26.1/30

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 156.103+/-71.743 χ^2/NDF: 66.7/51

All: 93.431+/-51.519 χ^2/NDF: 128.2/105

- sign 26.706+/-74.027 χ^2/NDF: 59.9/53



Right In: 742.458+/-0.138 χ^2/NDF: 2515426.7/26

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 808.513+/-0.148 χ^2/NDF: 2853579.8/30

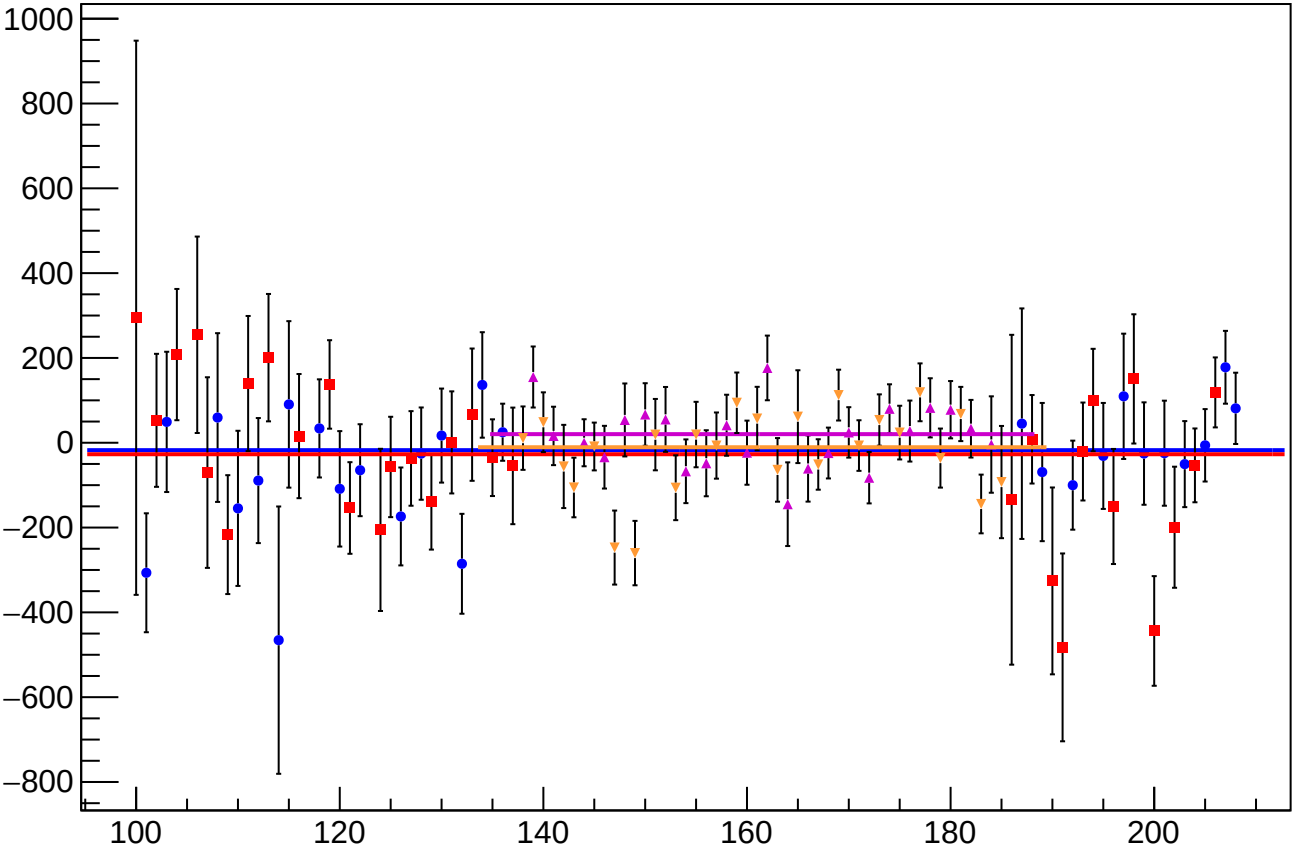
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 385.988+/-0.051 χ^2/NDF: 11966777.4/51

All: 388.222+/-0.036 χ^2/NDF: 25231284.5/10

- sign 390.600+/-0.052 χ^2/NDF: 13260504.2/53

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -17.480+/-22.742 χ^2/NDF: 25.8/26

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -27.083+/-23.616 χ^2/NDF: 40.5/30

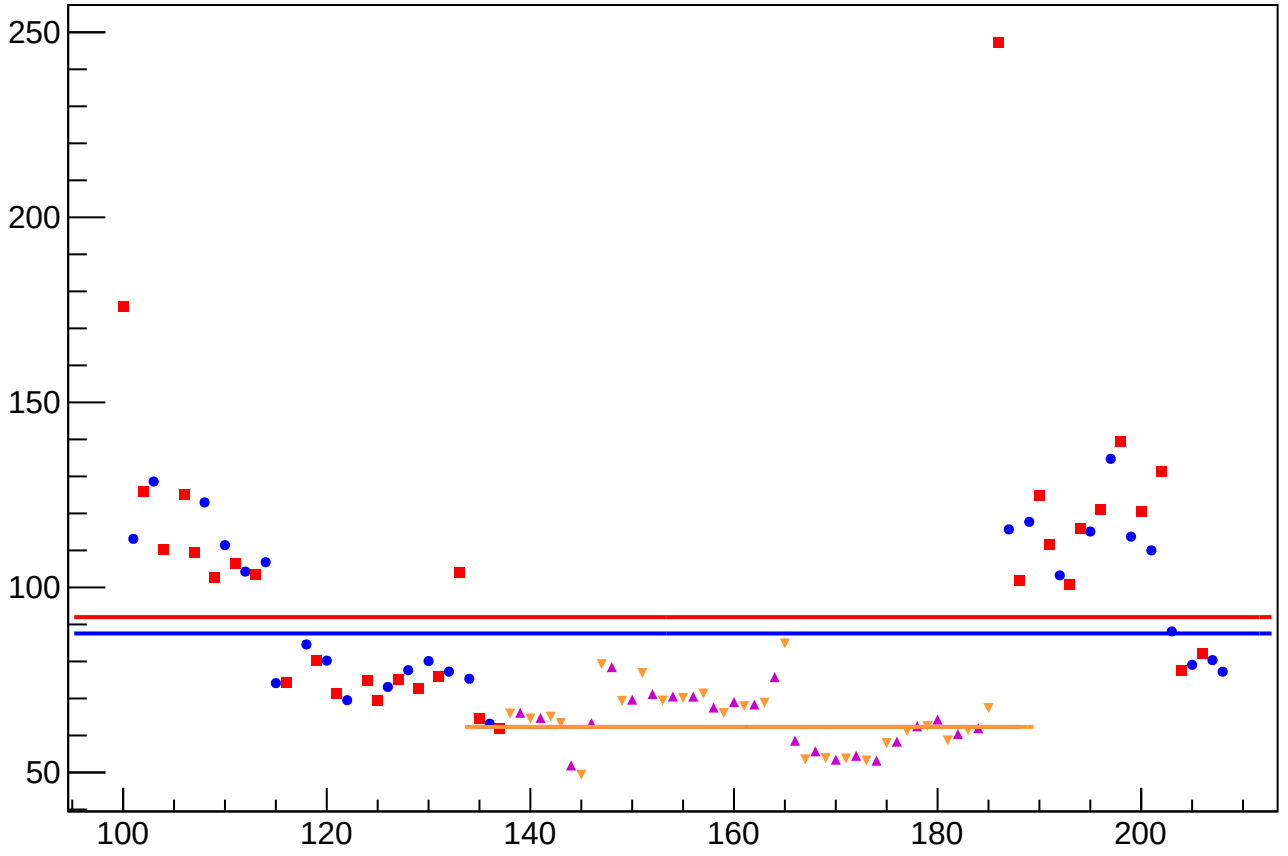
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -12.562+/-12.112 χ^2/NDF: 68.0/51

All: -3.094+/-8.702 χ^2/NDF: 134.4/105

- sign 7.007+/-12.510 χ^2/NDF: 65.1/53

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 87.562+/-0.016 χ^2/NDF: 1405553.1/26

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 91.980+/-0.017 χ^2/NDF: 2000590.4/30

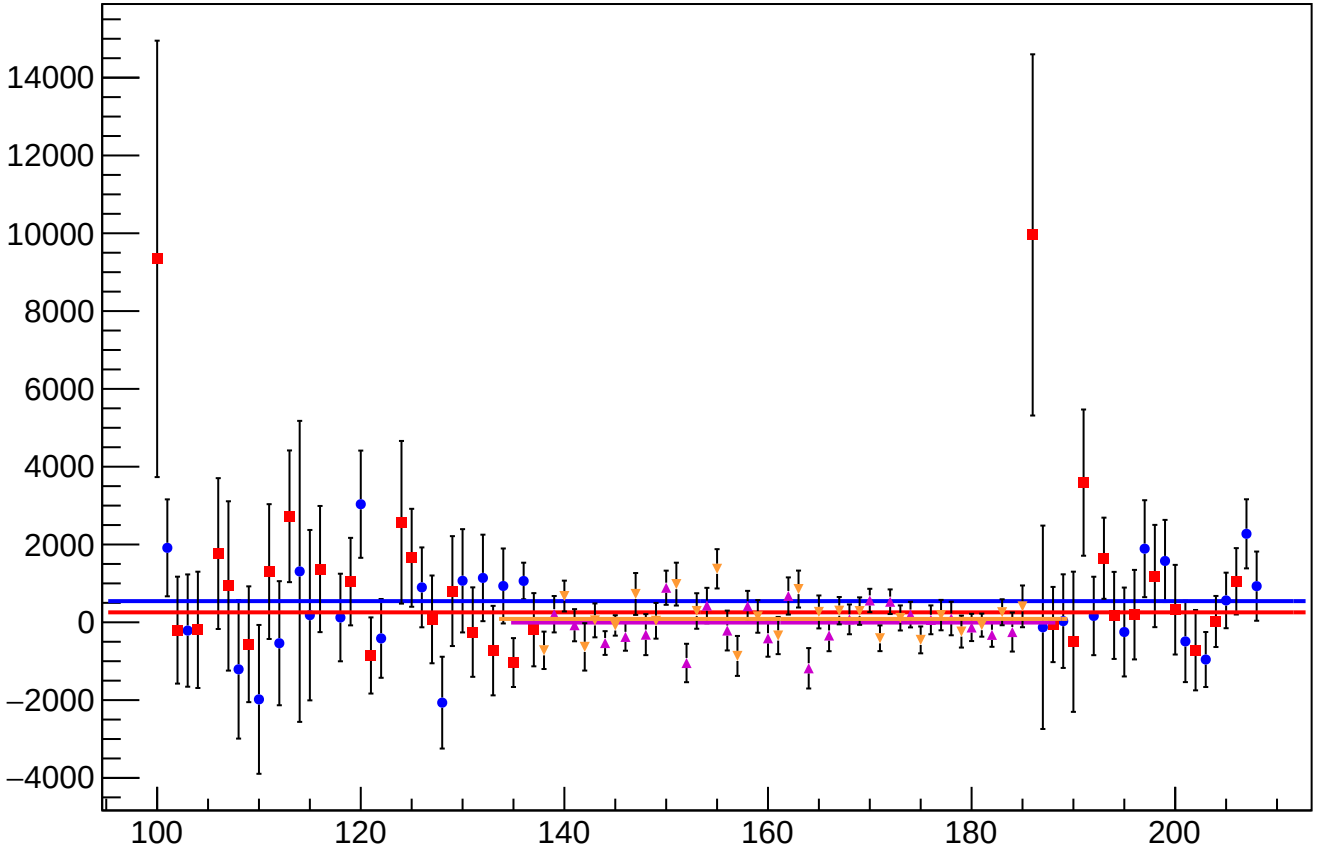
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 69.477+/-0.009 χ^2/NDF: 3807317.3/51

All: 70.038+/-0.006 χ^2/NDF: 8572249.4/105

- sign 70.637+/-0.009 χ^2/NDF: 4756065.5/53

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 544.458+/-200.568 χ^2/NDF: 28.3/26

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 255.847+/-211.749 χ^2/NDF: 28.6/30

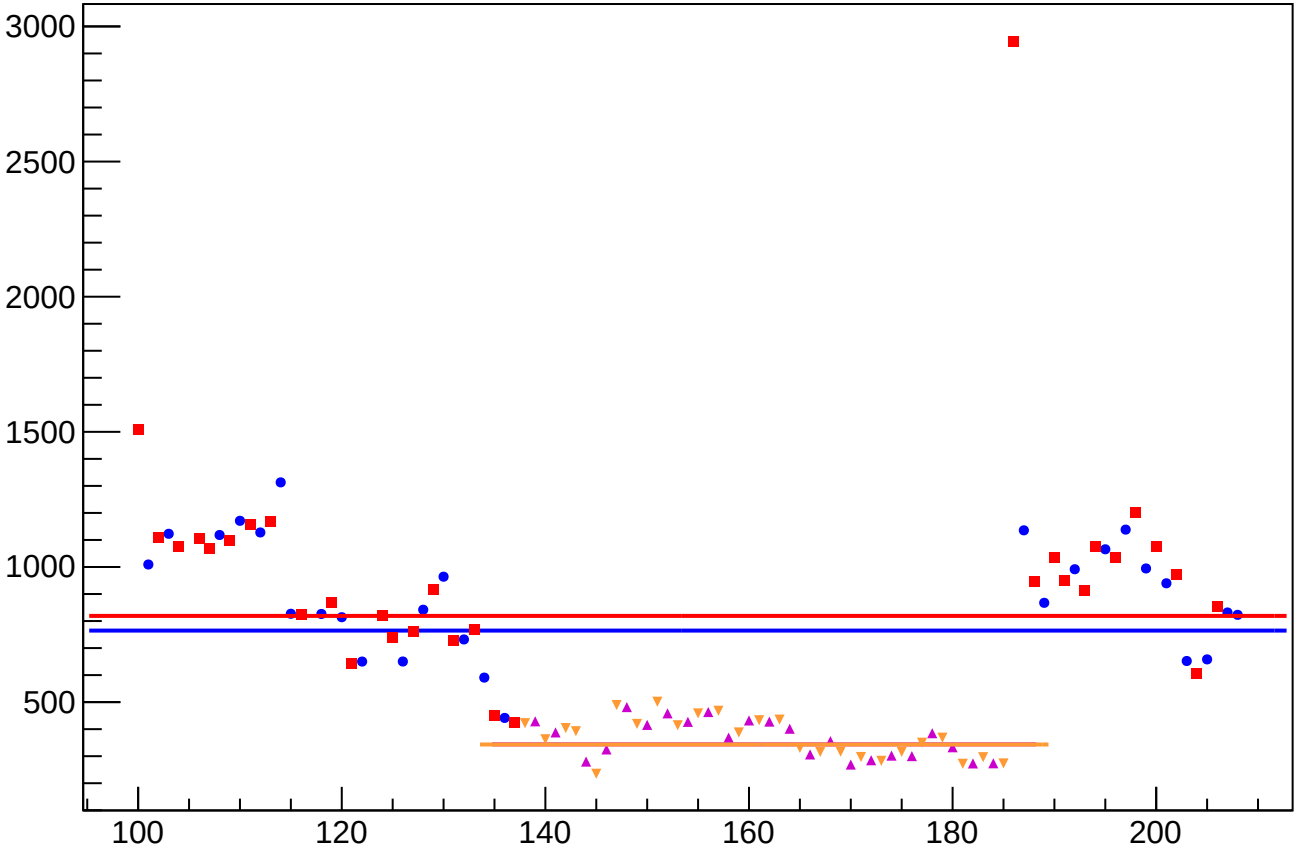
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 149.555+/-74.176 χ^2/NDF: 64.5/51

All: 90.597+/-53.272 χ^2/NDF: 128.1/105

- sign 27.795+/-76.556 χ^2/NDF: 62.3/53

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 764.695+/-0.142 χ^2/NDF: 2380515.6/26

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 819.045+/-0.150 χ^2/NDF: 2844070.2/30

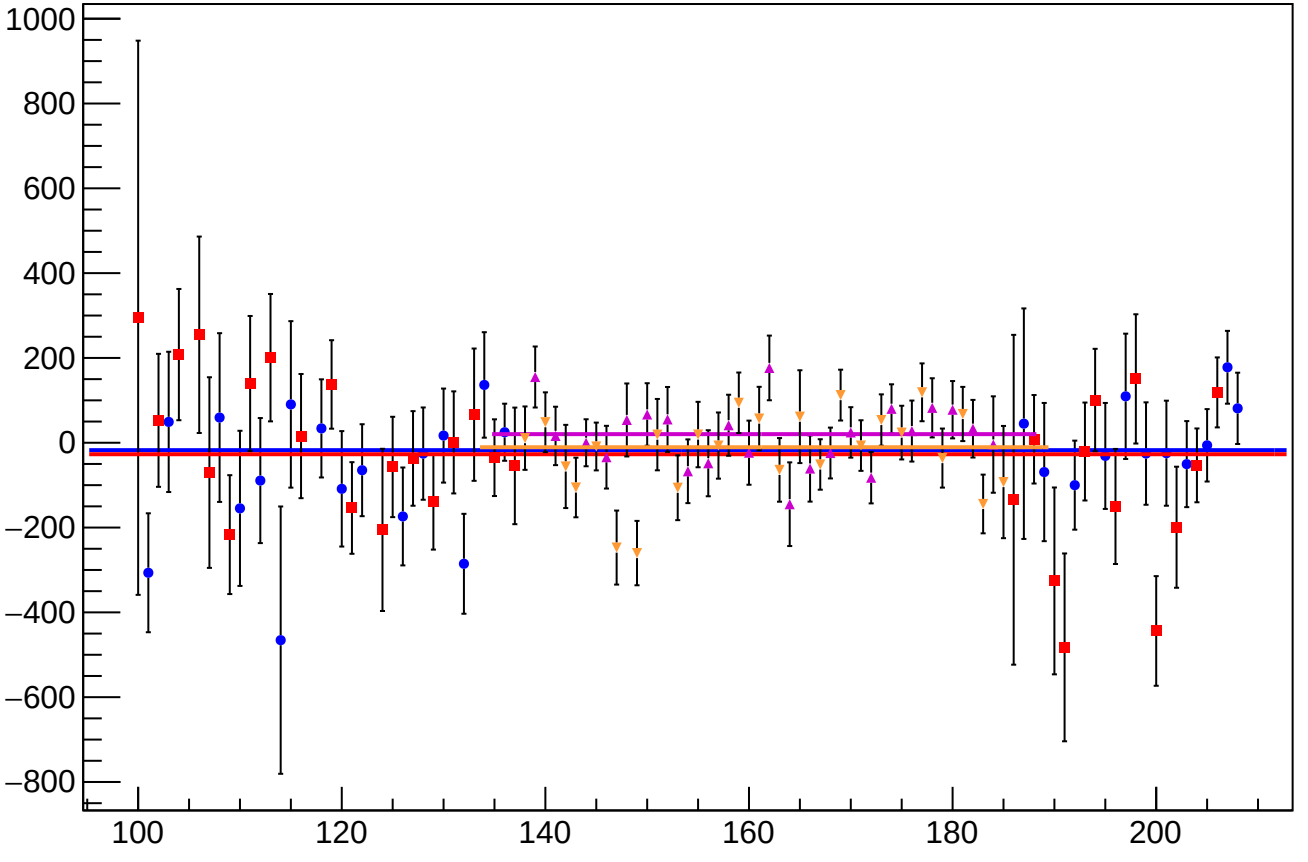
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 400.871+/-0.052 χ^2/NDF: 11599572.6/51

All: 403.281+/-0.038 χ^2/NDF: 24467052.3/10

- sign 405.848+/-0.054 χ^2/NDF: 12863119.4/53

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -17.481+/-22.742 χ^2/NDF: 25.8/26

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -27.083+/-23.616 χ^2/NDF: 40.5/30

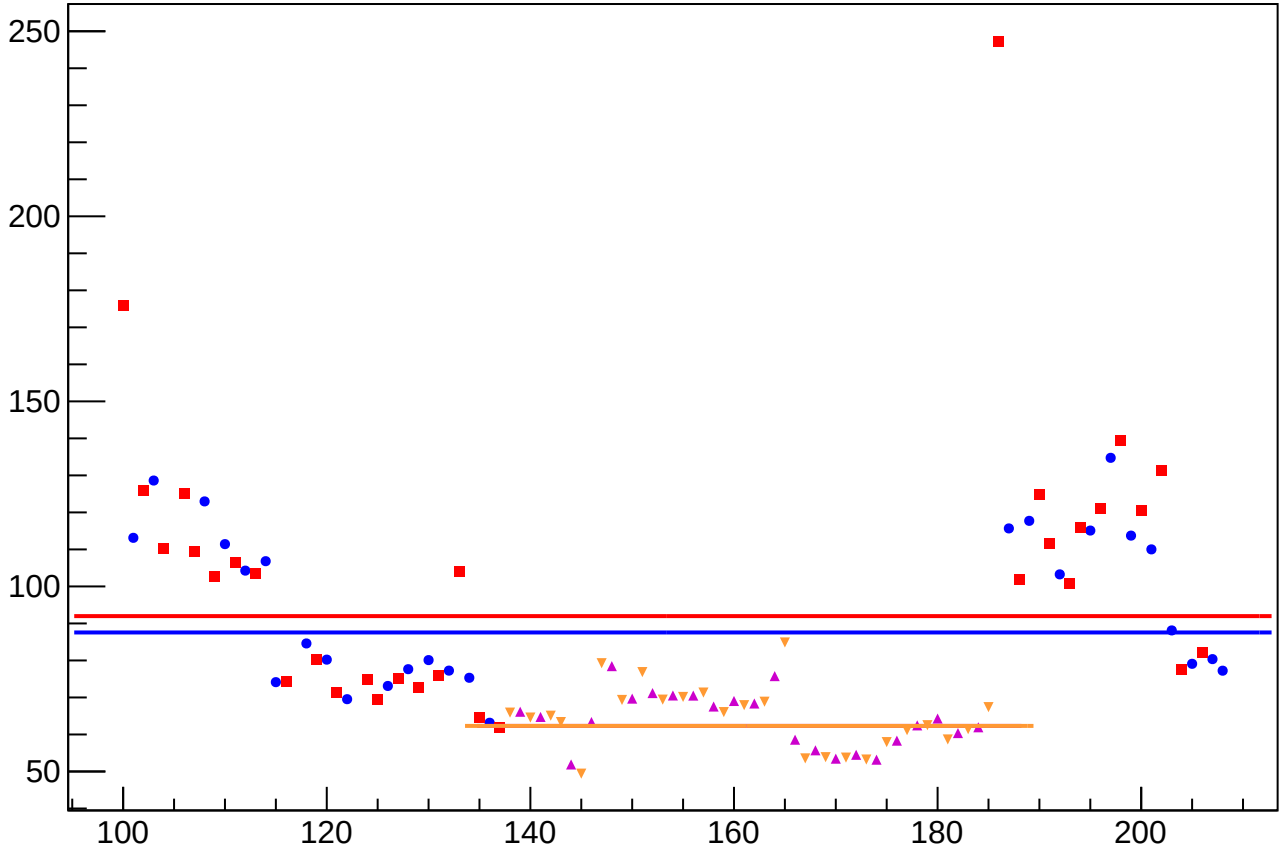
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -12.561+/-12.112 χ^2/NDF: 68.0/51

All: -3.093+/-8.702 χ^2/NDF: 134.4/105

- sign 7.007+/-12.510 χ^2/NDF: 65.1/53

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 87.562+/-0.016 χ^2/NDF: 1405568.0/26

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

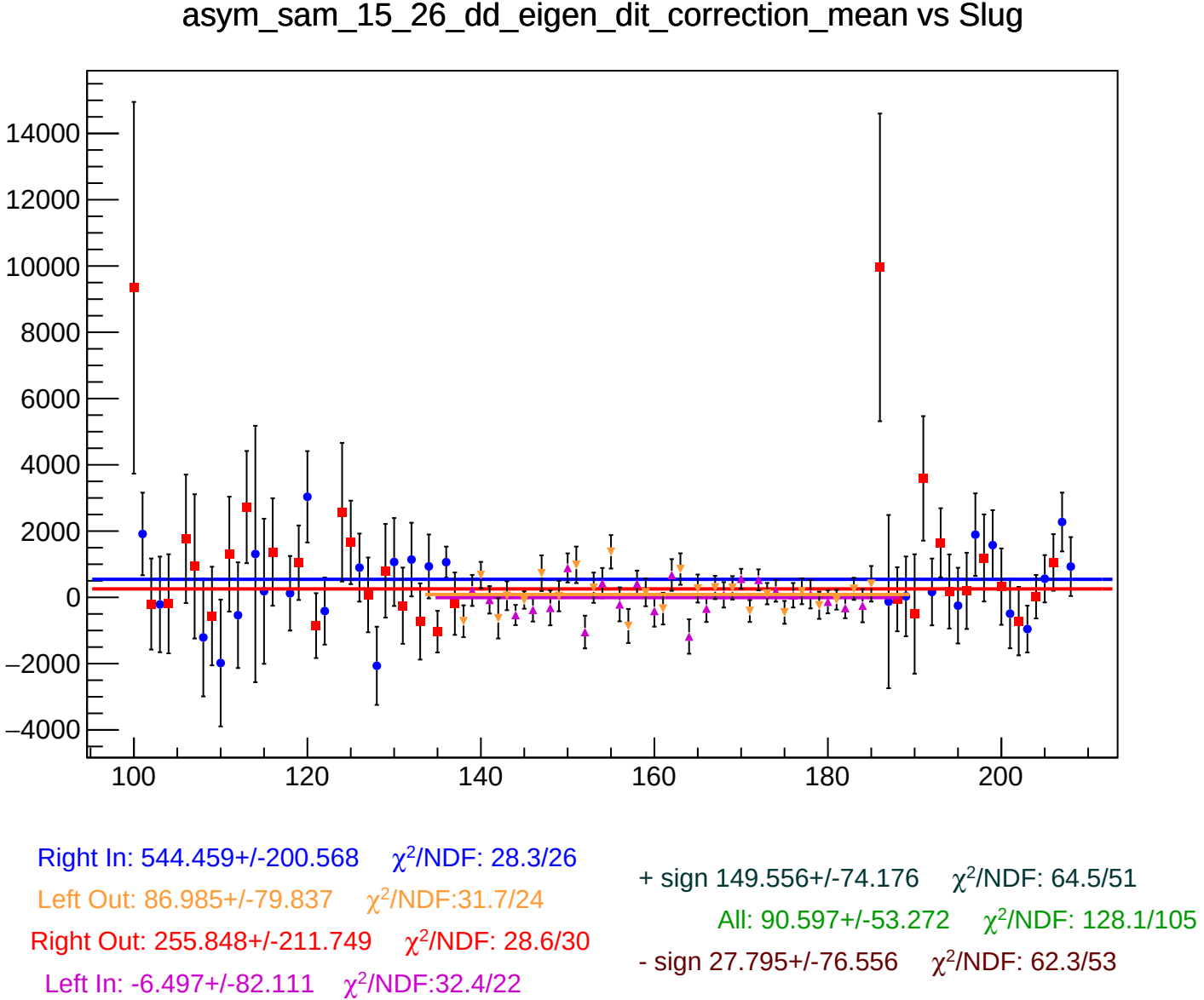
Right Out: 91.980+/-0.017 χ^2/NDF: 2000588.3/30

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

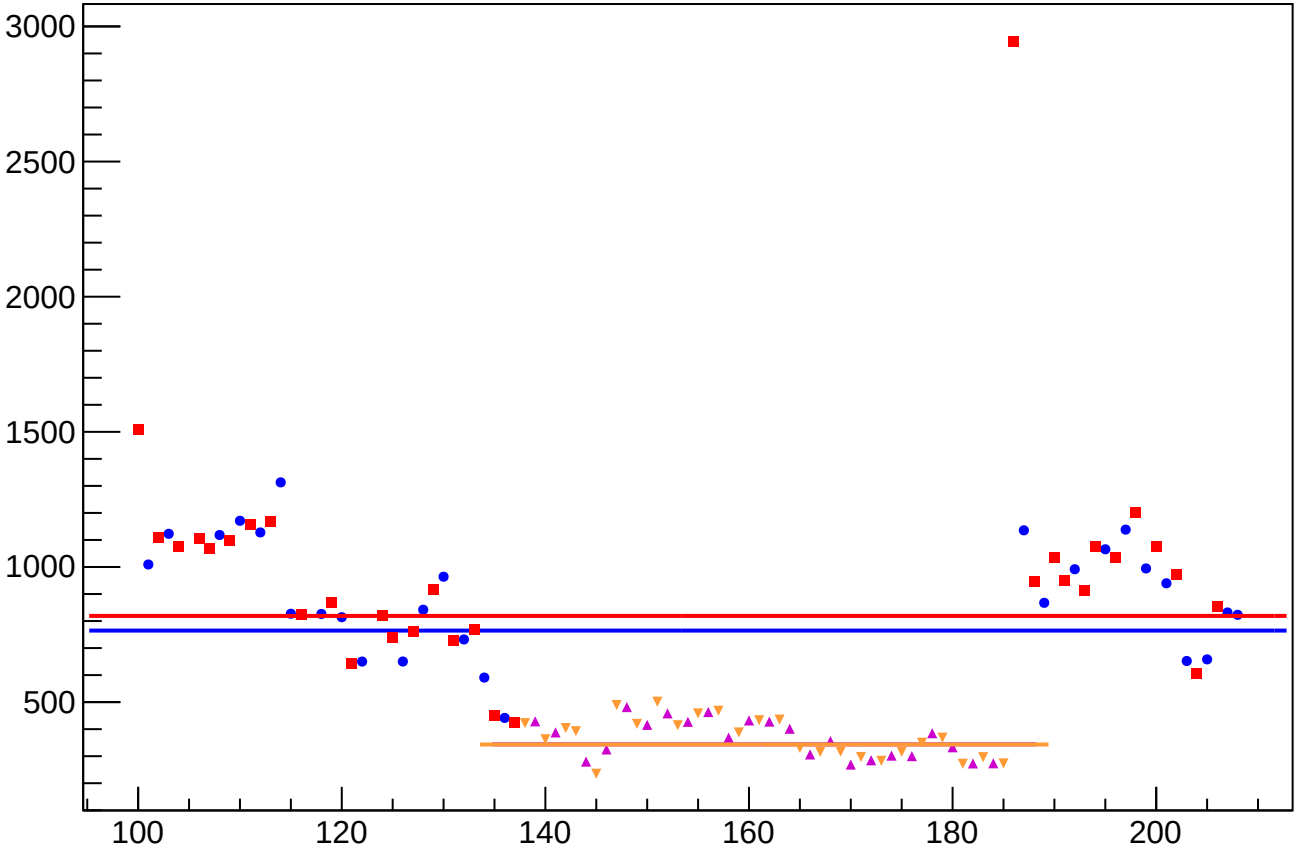
+ sign 69.477+/-0.009 χ^2/NDF: 3807290.3/51

All: 70.038+/-0.006 χ^2/NDF: 8572165.5/105

- sign 70.637+/-0.009 χ^2/NDF: 4756006.5/53


asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: 544.459+/-200.568 χ²/NDF: 28.3/26
Left Out: 86.985+/-79.837 χ²/NDF:31.7/24
Right Out: 255.848+/-211.749 χ²/NDF: 28.6/30
Left In: -6.497+/-82.111 χ²/NDF:32.4/22
+ sign 149.556+/-74.176 χ²/NDF: 64.5/51
All: 90.597+/-53.272 χ²/NDF: 128.1/105
- sign 27.795+/-76.556 χ²/NDF: 62.3/53

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



Right In: 764.695+/-0.142 χ^2/NDF: 2380501.9/26

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 819.045+/-0.150 χ^2/NDF: 2844059.7/30

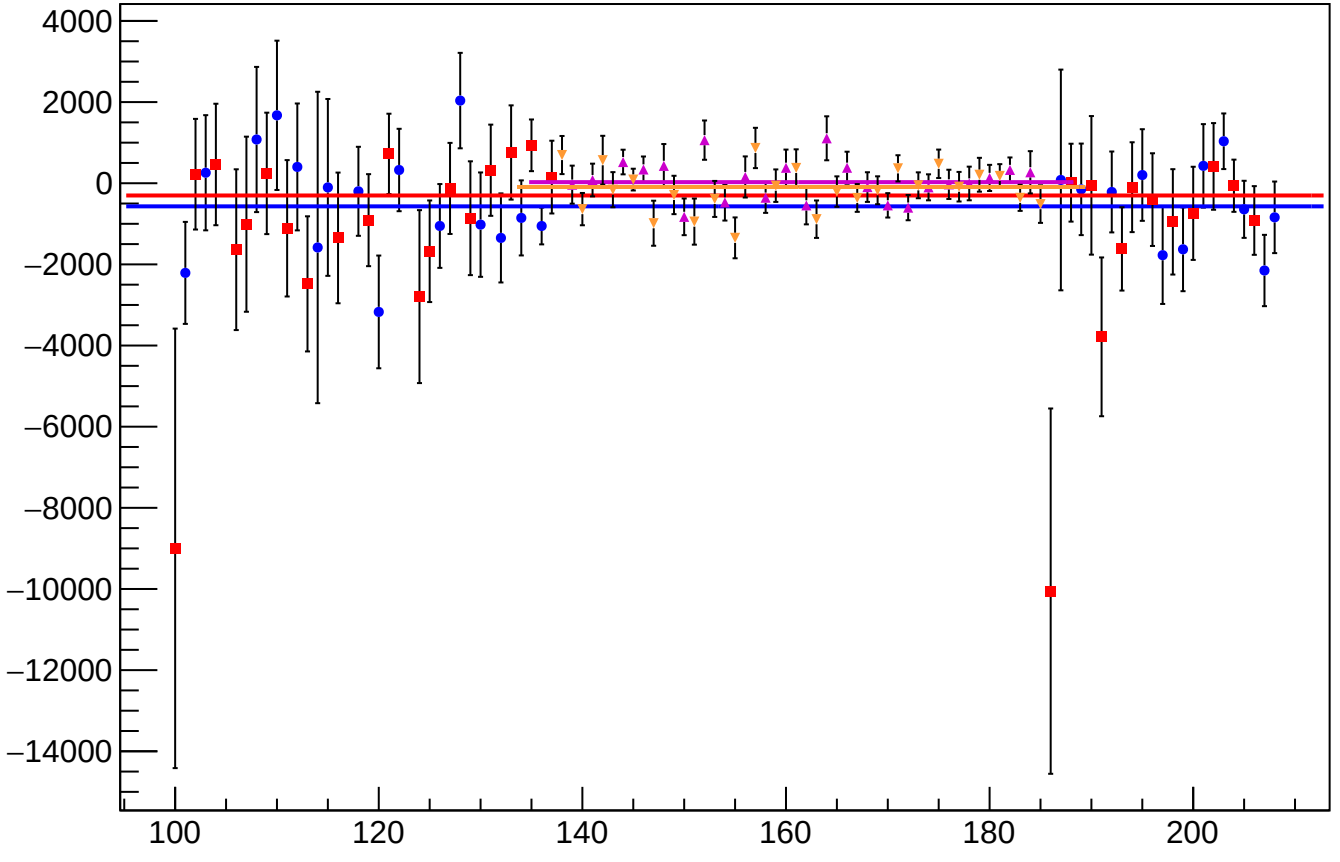
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 400.871+/-0.052 χ^2/NDF: 11599582.4/51

All: 403.281+/-0.038 χ^2/NDF: 24467062.2/10

- sign 405.849+/-0.054 χ^2/NDF: 12863119.3/53

asym_sam_15_26_dd_mean vs Slug



Right In: -569.730+/-196.522 χ^2/NDF: 28.9/26

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -301.830+/-210.594 χ^2/NDF: 26.5/30

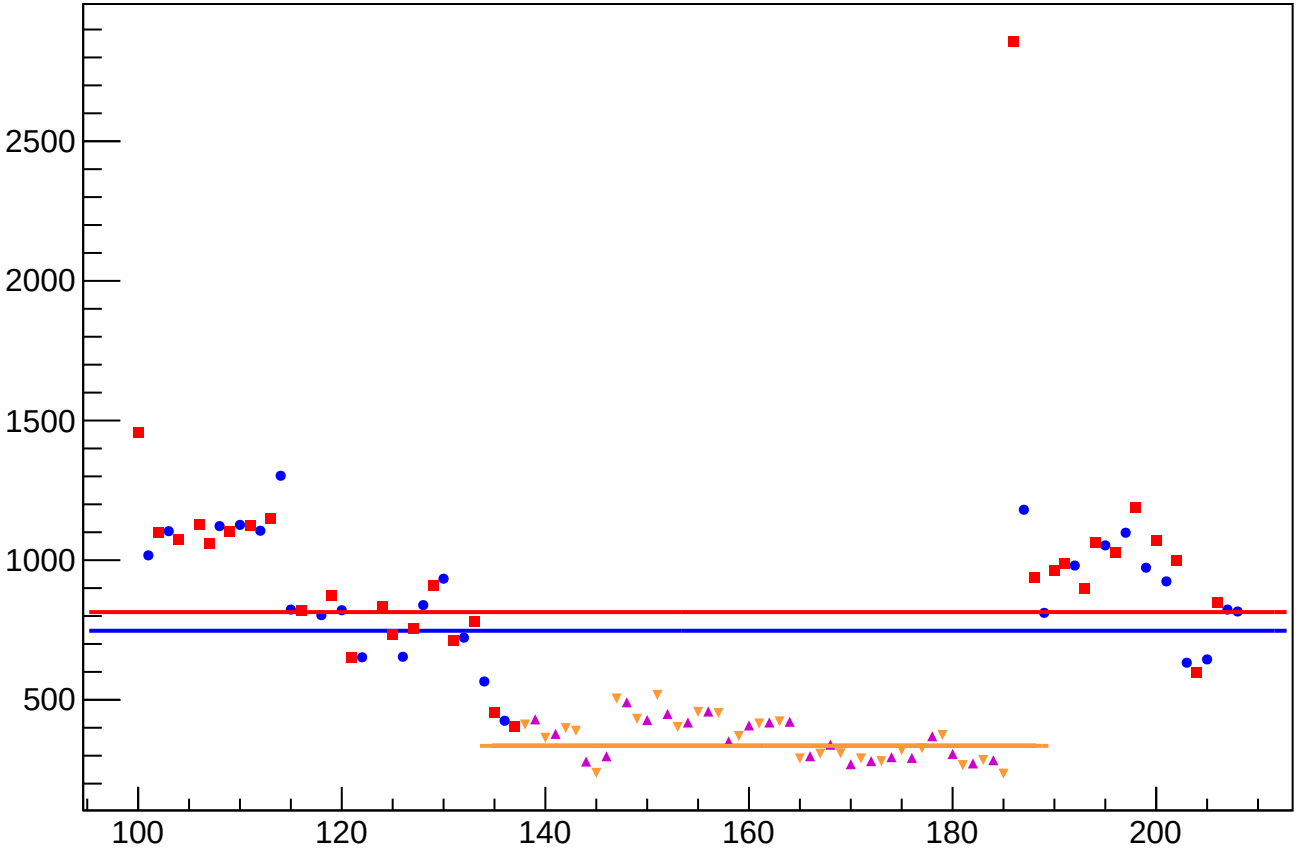
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -157.860+/-72.646 χ^2/NDF: 68.2/51

All: -88.424+/-52.166 χ^2/NDF: 129.6/105

- sign -14.505+/-74.955 χ^2/NDF: 59.6/53

asym_sam_15_26_dd_rms vs Slug



Right In: 747.283+/-0.139 χ^2/NDF: 2492502.1/26

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

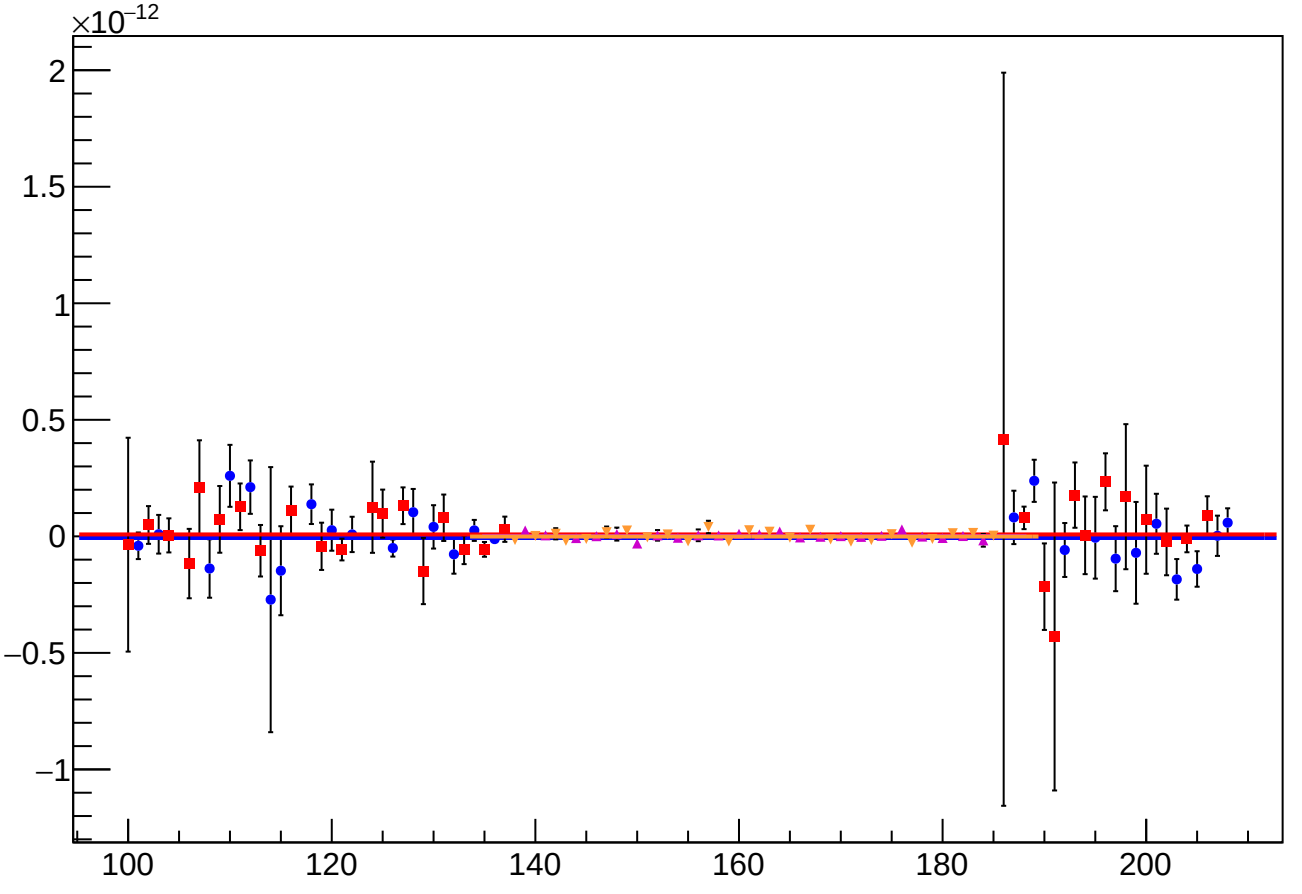
Right Out: 814.106+/-0.149 χ^2/NDF: 2850983.8/30

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 391.467+/-0.051 χ^2/NDF: 11792511.3/51

All: 393.847+/-0.037 χ^2/NDF: 24949745.2/10

- sign 396.381+/-0.053 χ^2/NDF: 13152801.5/53



Right In: -0.000+/-0.000 χ^2/NDF: 34.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

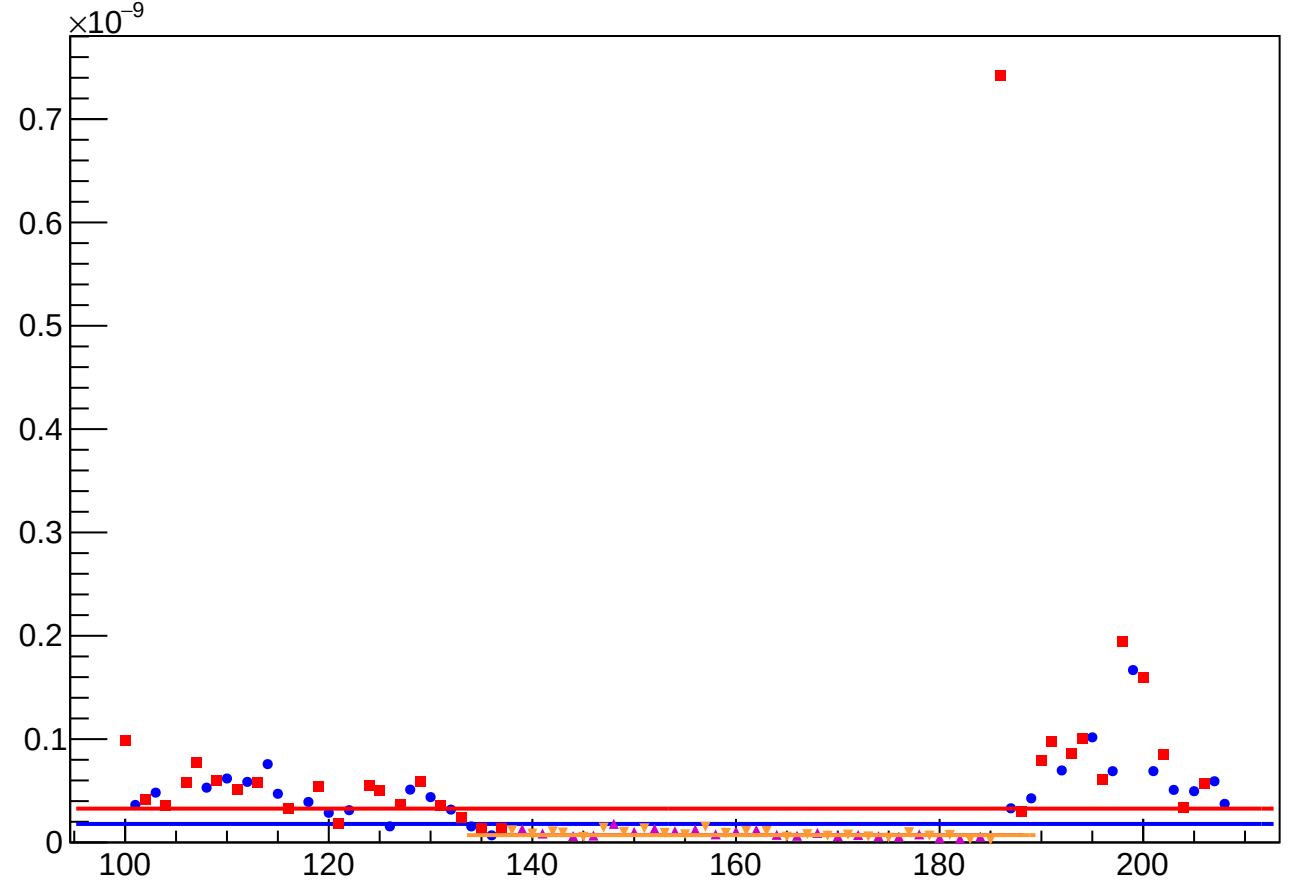
Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/30

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.1/51

All: 0.000+/-0.000 χ^2/NDF: 112.0/105

- sign 0.000+/-0.000 χ^2/NDF: 43.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 7237103.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4795914.9/30

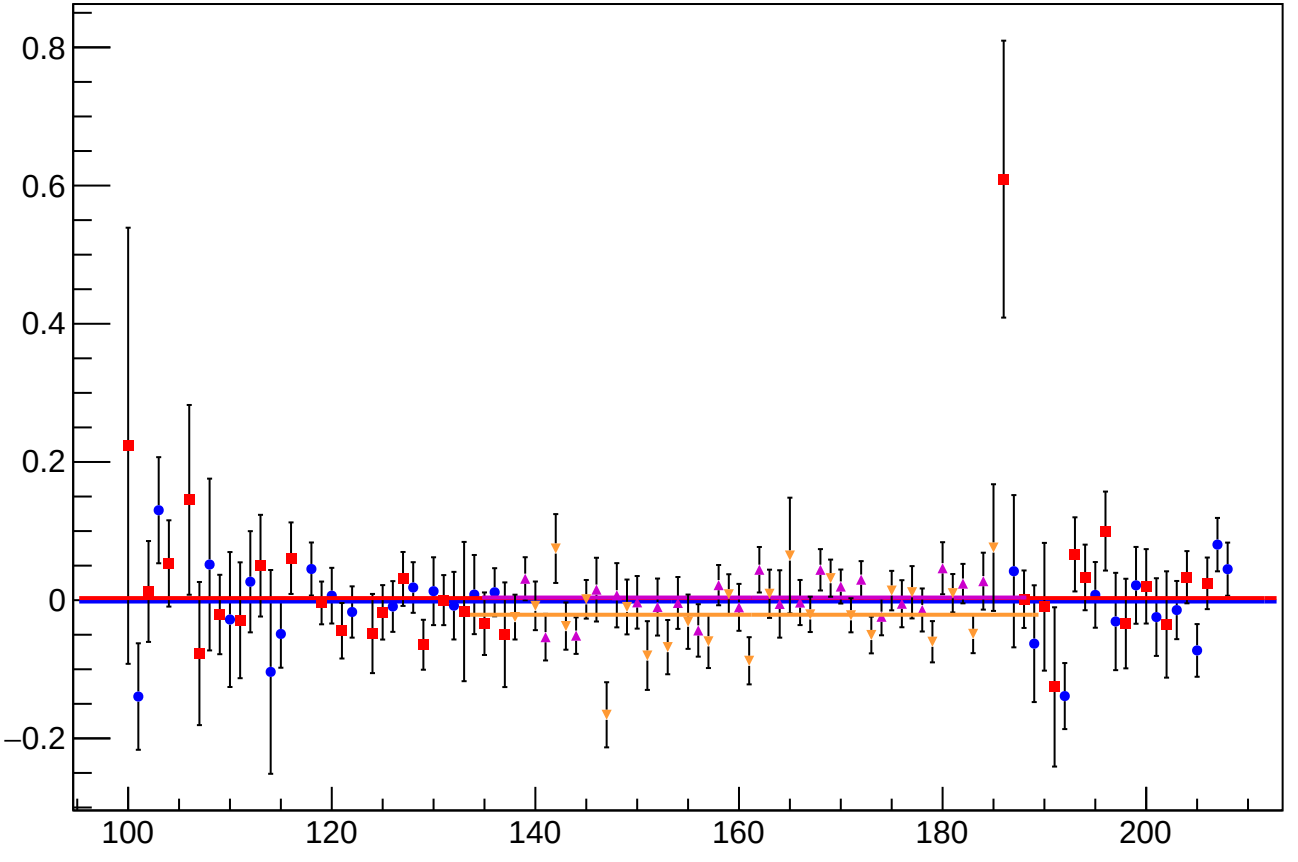
Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11467862.4/51

All: 0.000+/-0.000 χ^2/NDF: 23495978.9/105

- sign 0.000+/-0.000 χ^2/NDF: 12018853.7/53

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/26

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.003+/-0.009 χ^2/NDF: 29.2/30

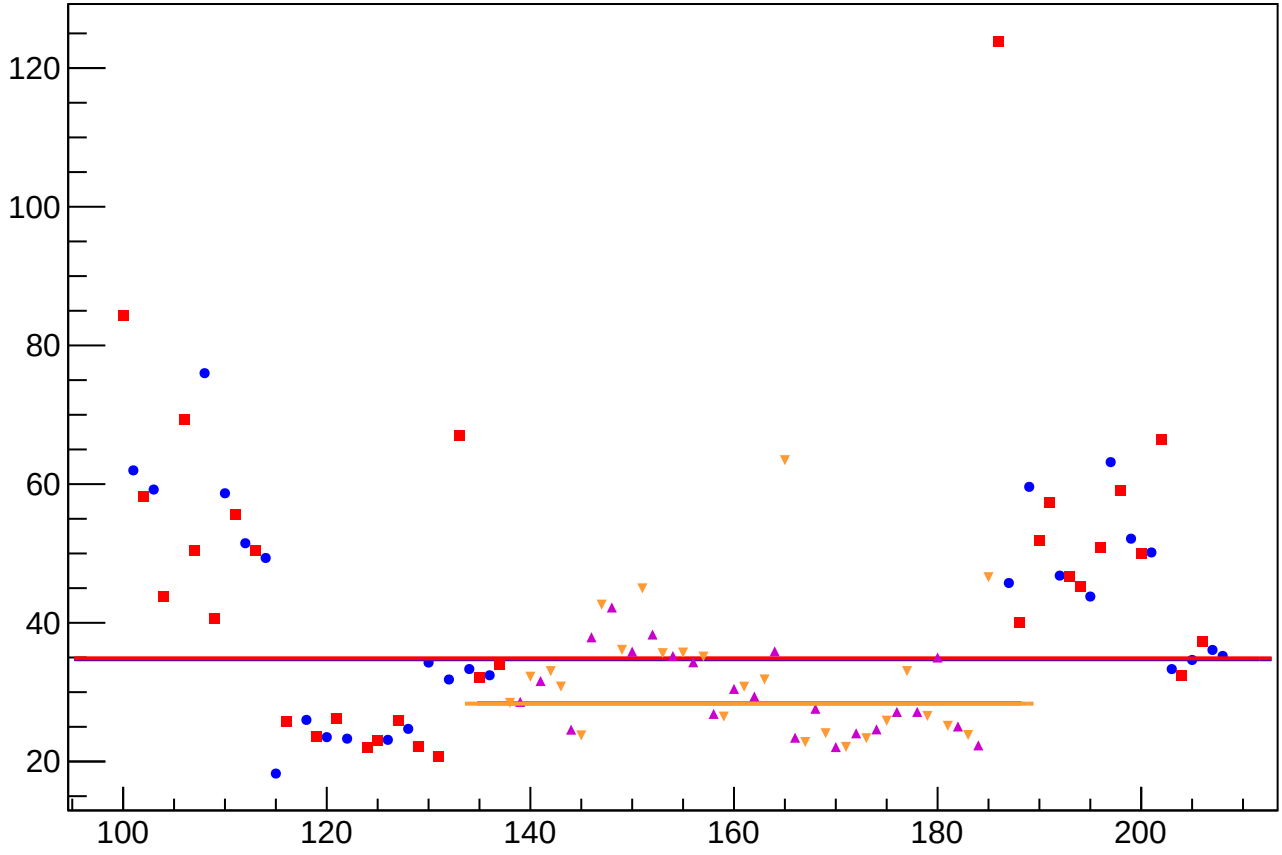
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.015+/-0.005 χ^2/NDF: 69.2/51

All: -0.006+/-0.004 χ^2/NDF: 122.6/105

- sign 0.004+/-0.006 χ^2/NDF: 47.9/53

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.749+/-0.007 χ^2/NDF: 3032615.6/26

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

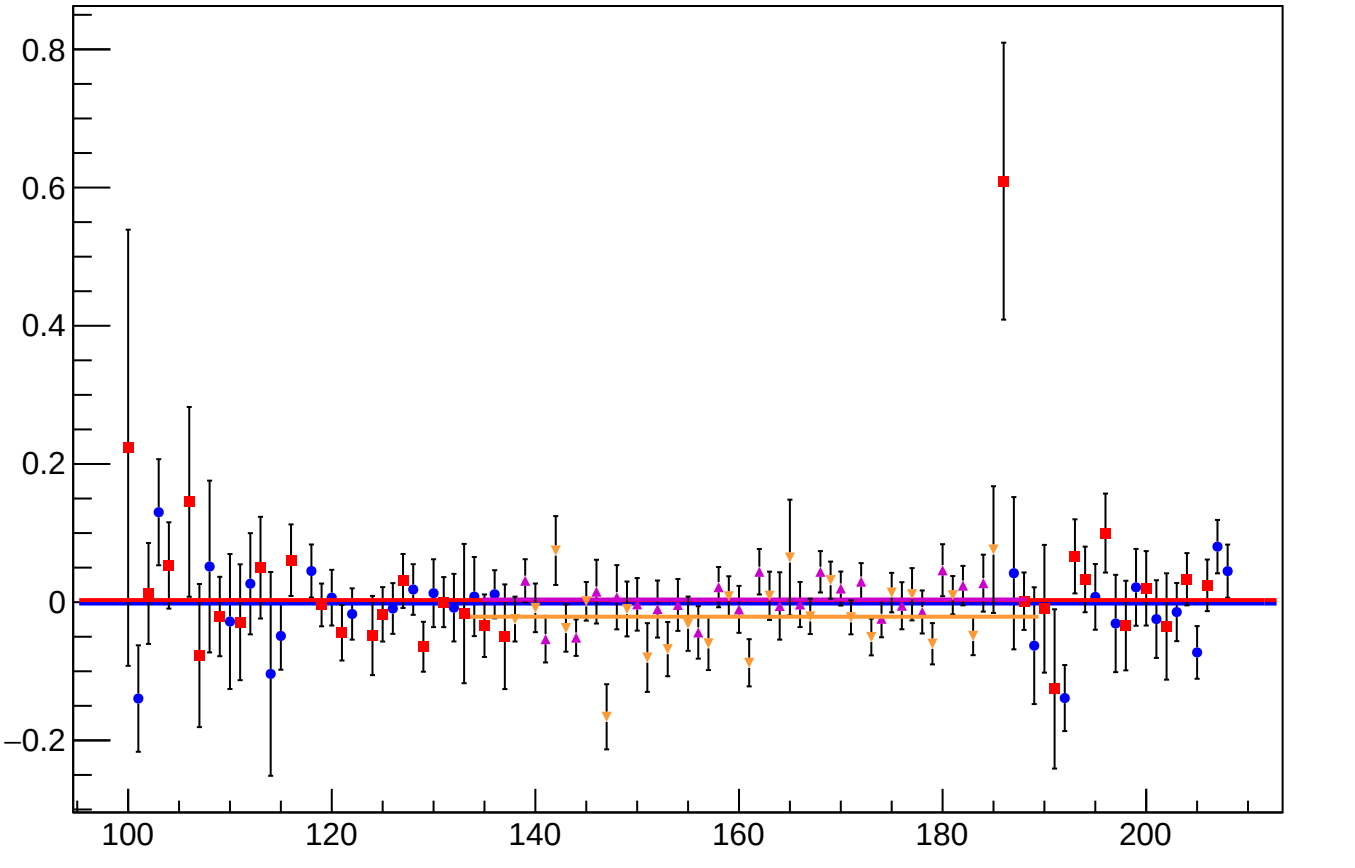
Right Out: 34.875+/-0.007 χ^2/NDF: 3977827.9/30

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.469+/-0.004 χ^2/NDF: 5378979.7/51

All: 30.549+/-0.003 χ^2/NDF: 11074418.0/105

- sign 30.631+/-0.004 χ^2/NDF: 5694571.2/53



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/26

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

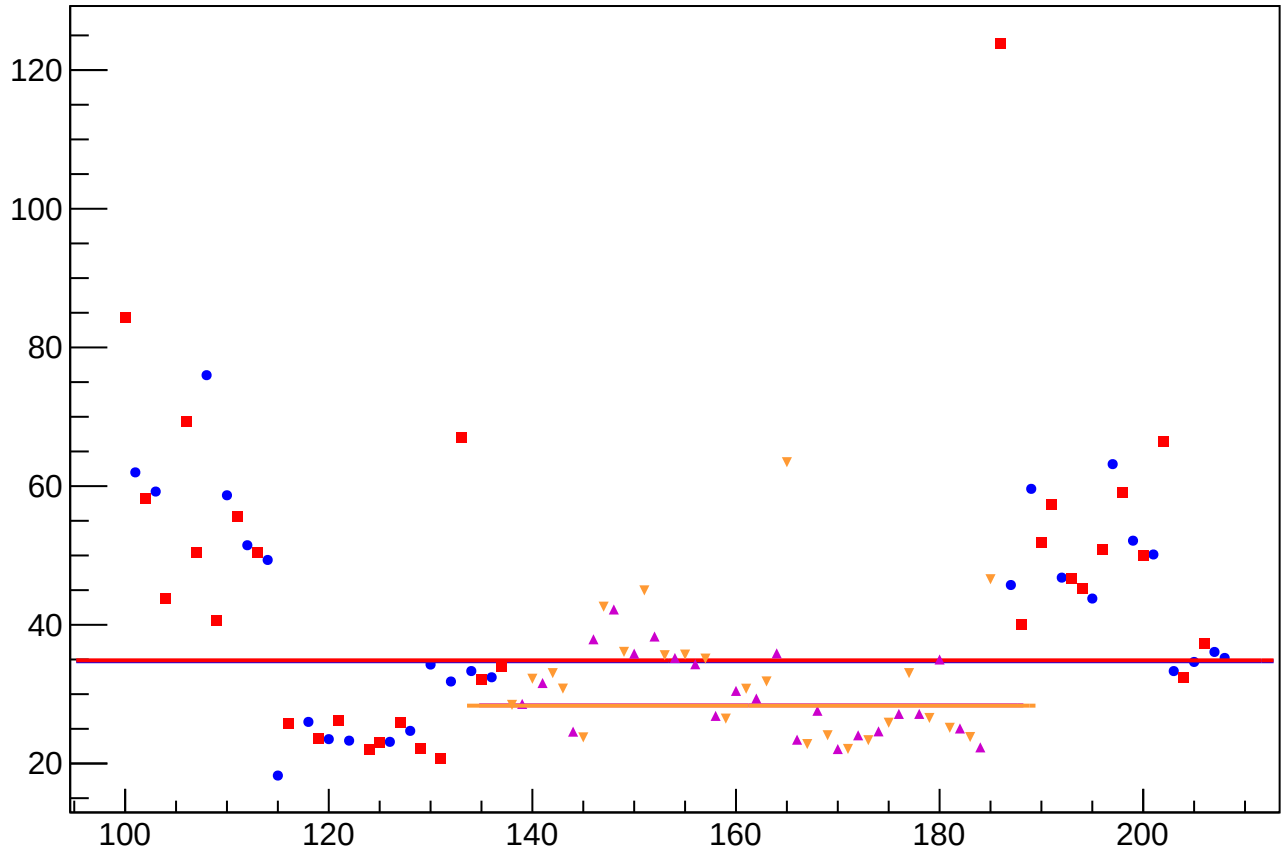
Right Out: 0.003+/-0.009 χ^2/NDF: 29.2/30

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.015+/-0.005 χ^2/NDF: 69.2/51

All: -0.006+/-0.004 χ^2/NDF: 122.6/105

- sign 0.004+/-0.006 χ^2/NDF: 47.9/53



Right In: 34.749+/-0.007 χ^2/NDF: 3032615.6/26

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

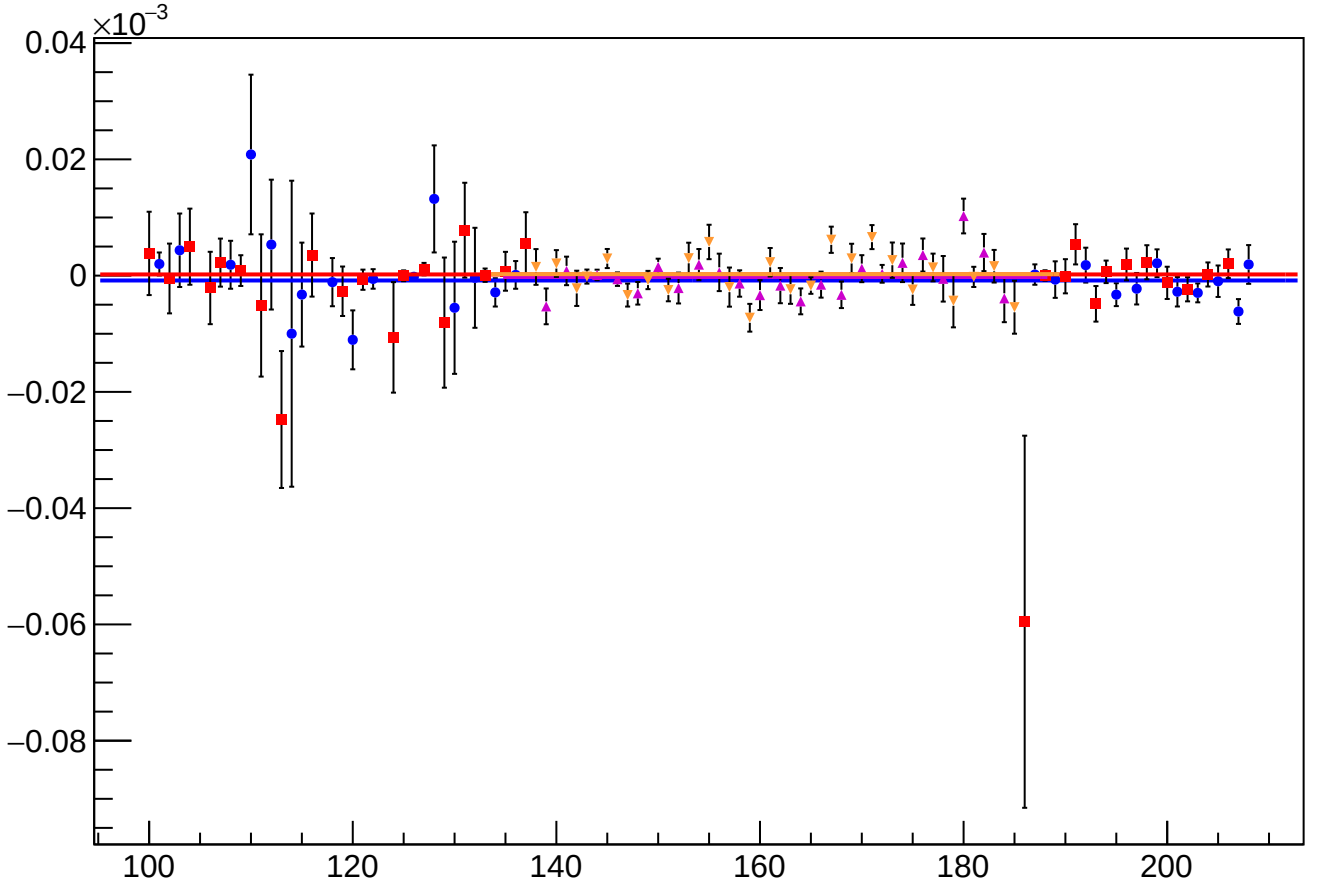
Right Out: 34.875+/-0.007 χ^2/NDF: 3977827.9/30

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.469+/-0.004 χ^2/NDF: 5378979.7/51

All: 30.549+/-0.003 χ^2/NDF: 11074418.0/105

- sign 30.631+/-0.004 χ^2/NDF: 5694571.2/53



Right In: -0.000+/-0.000 χ^2/NDF: 27.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

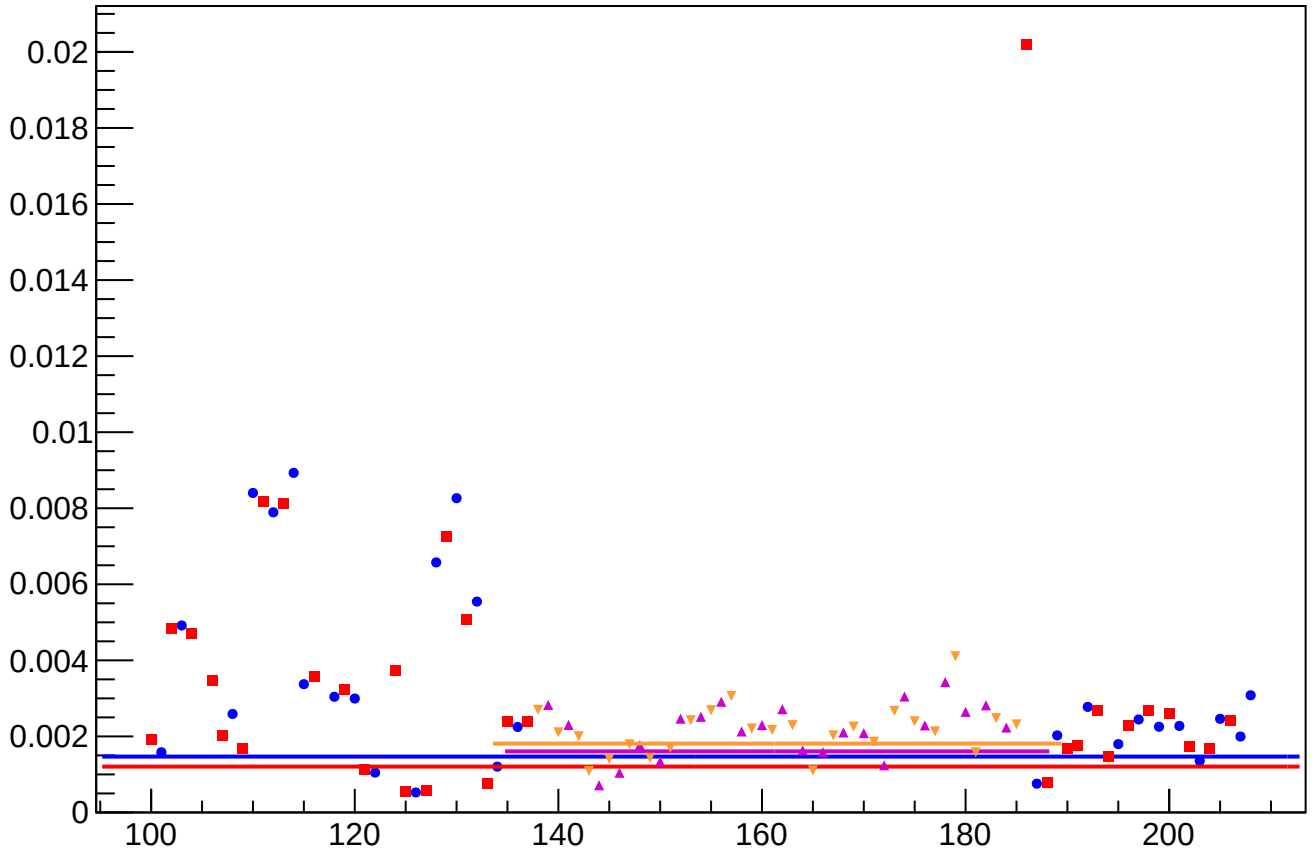
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/30

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.7/51

All: -0.000+/-0.000 χ^2/NDF: 139.1/105

- sign 0.000+/-0.000 χ^2/NDF: 57.1/53



Right In: 0.001+/-0.000 χ^2/NDF: 9743589.0/26

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

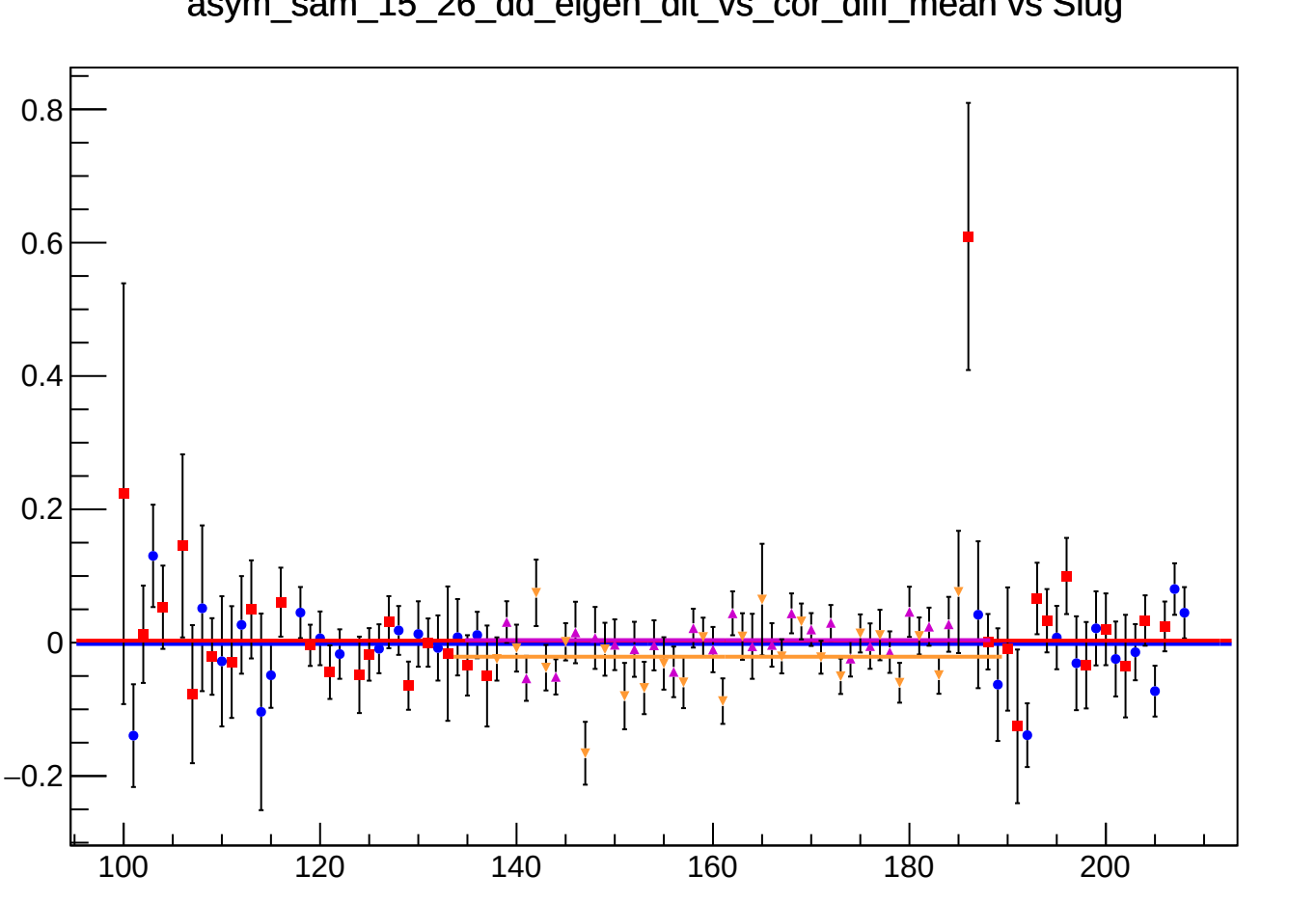
Right Out: 0.001+/-0.000 χ^2/NDF: 11040166.1/30

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 13759537.5/51

All: 0.002+/-0.000 χ^2/NDF: 32531670.8/105

- sign 0.001+/-0.000 χ^2/NDF: 18038383.4/53



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/26

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

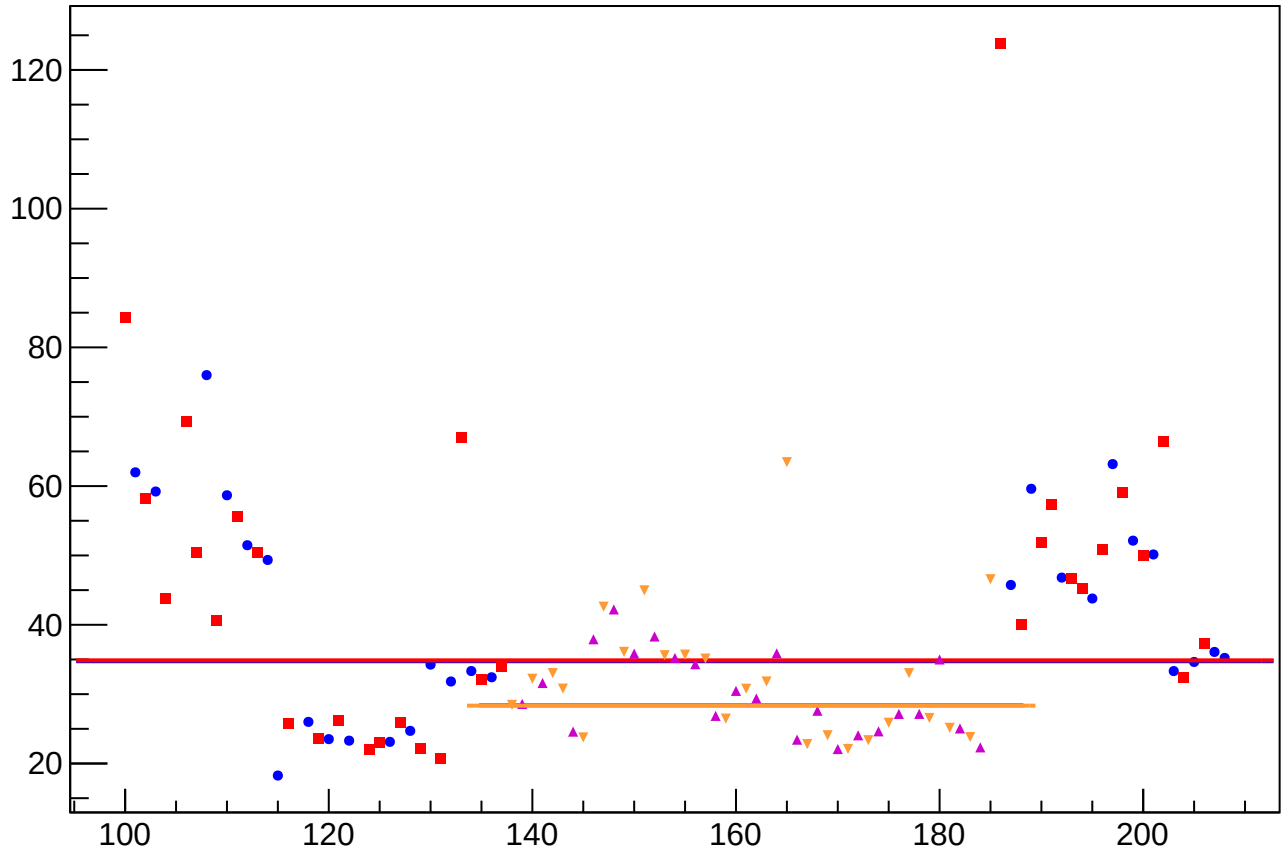
Right Out: 0.003+/-0.009 χ^2/NDF: 29.2/30

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.015+/-0.005 χ^2/NDF: 69.2/51

All: -0.006+/-0.004 χ^2/NDF: 122.6/105

- sign 0.004+/-0.006 χ^2/NDF: 47.9/53



Right In: 34.749+/-0.007 χ^2/NDF: 3032484.8/26

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

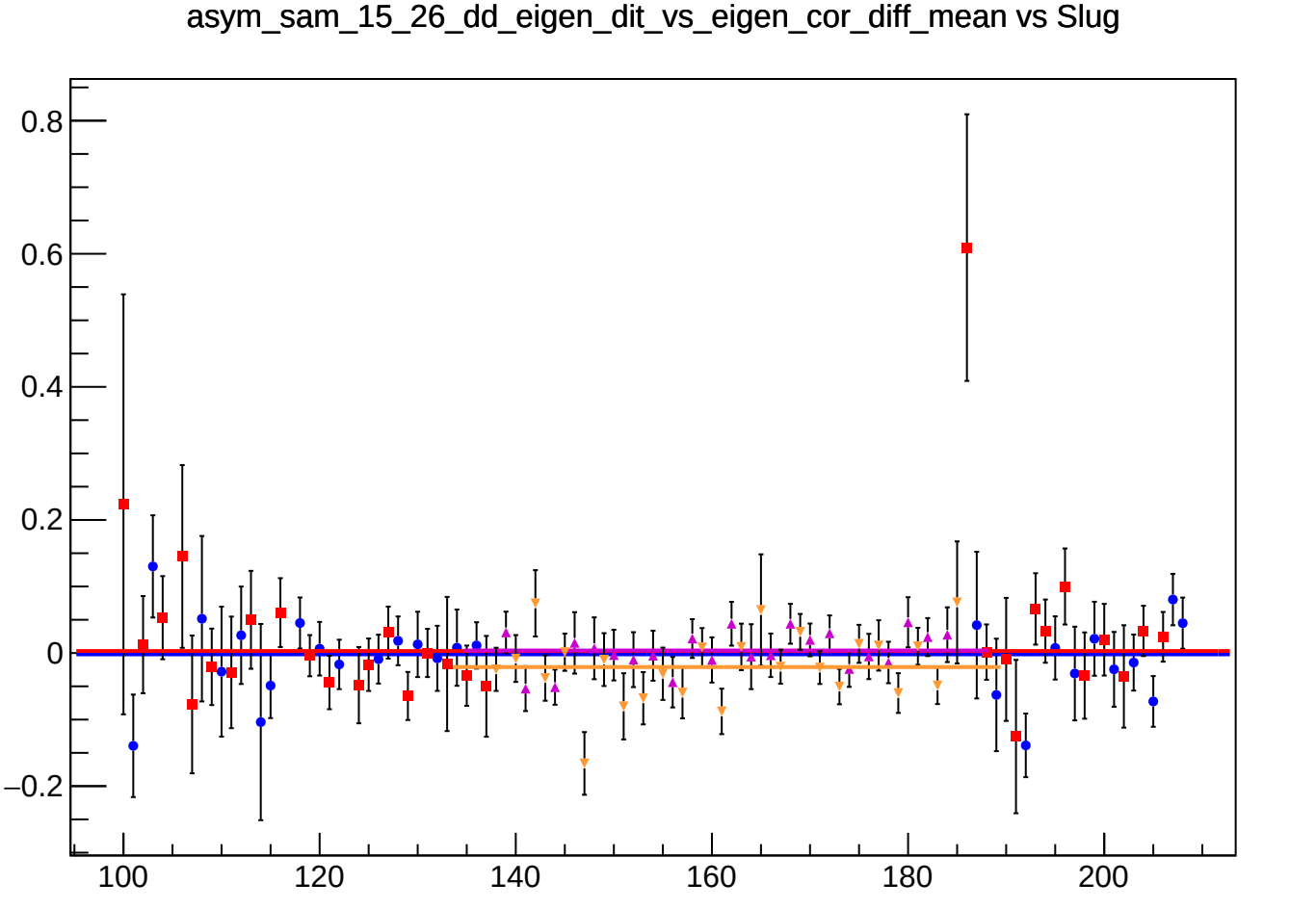
Right Out: 34.874+/-0.007 χ^2/NDF: 3977936.2/30

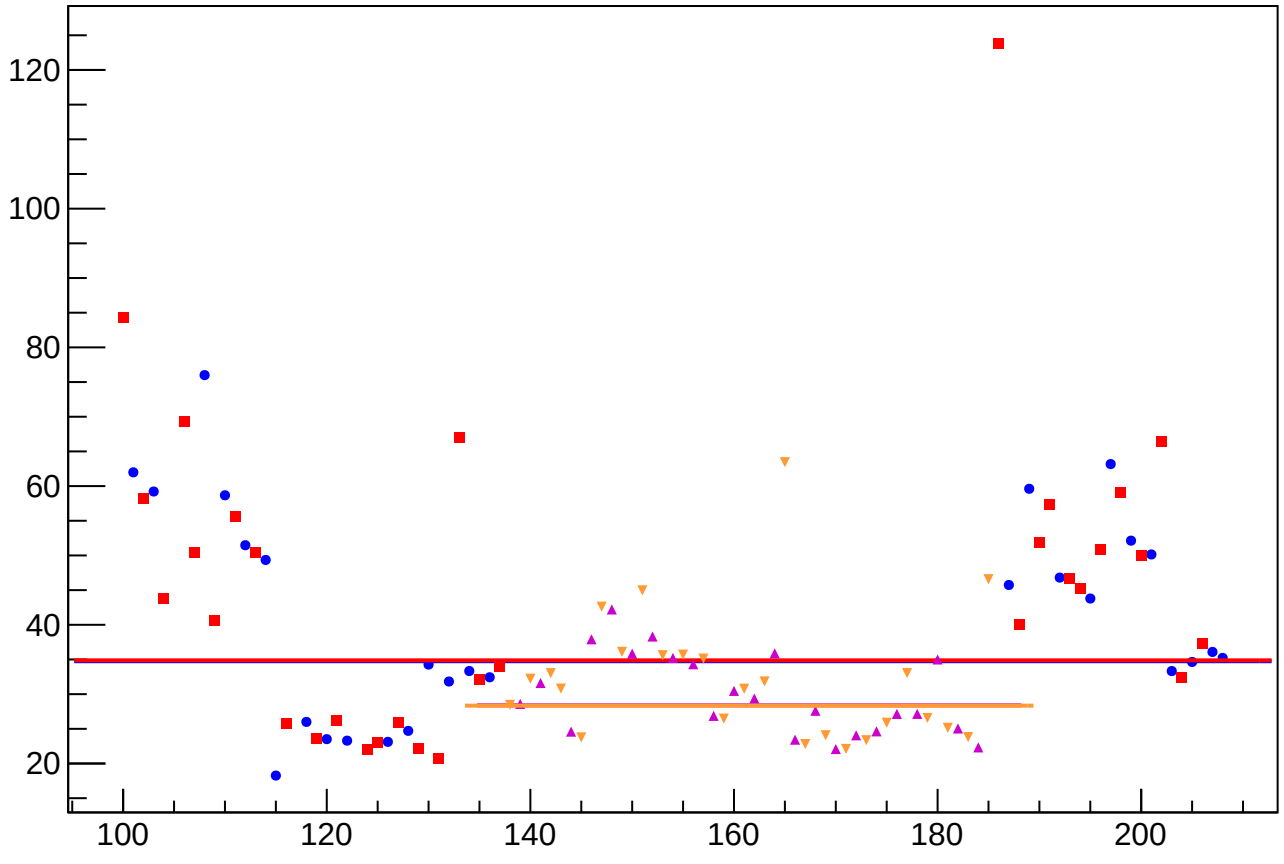
Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 30.469+/-0.004 χ^2/NDF: 5378826.8/51

All: 30.549+/-0.003 χ^2/NDF: 11074247.5/105

\- sign 30.631+/-0.004 χ^2/NDF: 5694553.5/53


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
120
140
160
180
200
Right In: -0.002+/-0.009 χ²/NDF: 29.3/26
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: 0.003+/-0.009 χ²/NDF: 29.2/30
Left In: 0.004+/-0.007 χ²/NDF:18.7/22
+ sign -0.015+/-0.005 χ²/NDF: 69.2/51
All: -0.006+/-0.004 χ²/NDF: 122.6/105
- sign 0.004+/-0.006 χ²/NDF: 47.9/53



Right In: 34.749+/-0.007 χ^2/NDF: 3032484.8/26

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

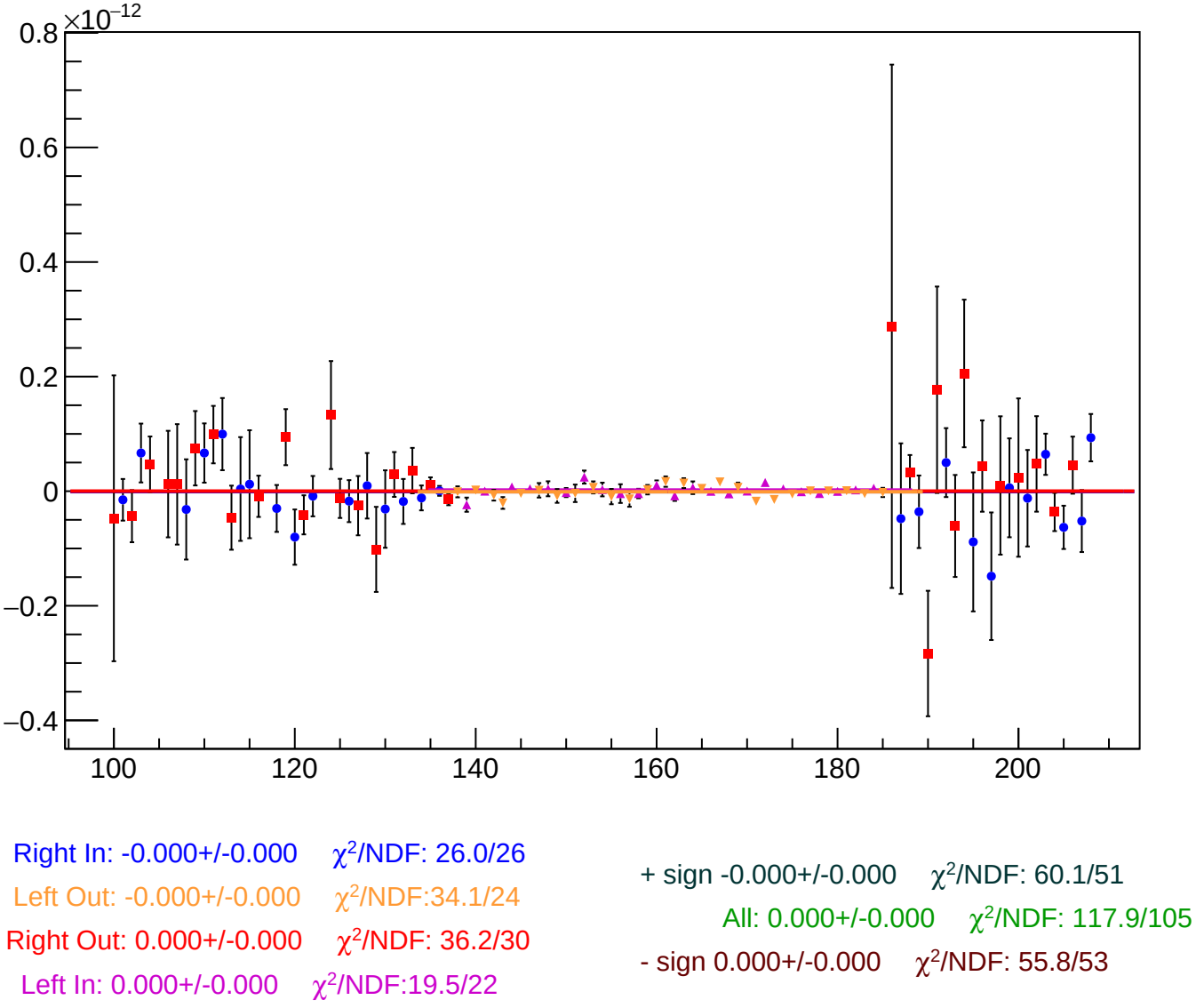
Right Out: 34.874+/-0.007 χ^2/NDF: 3977936.2/30

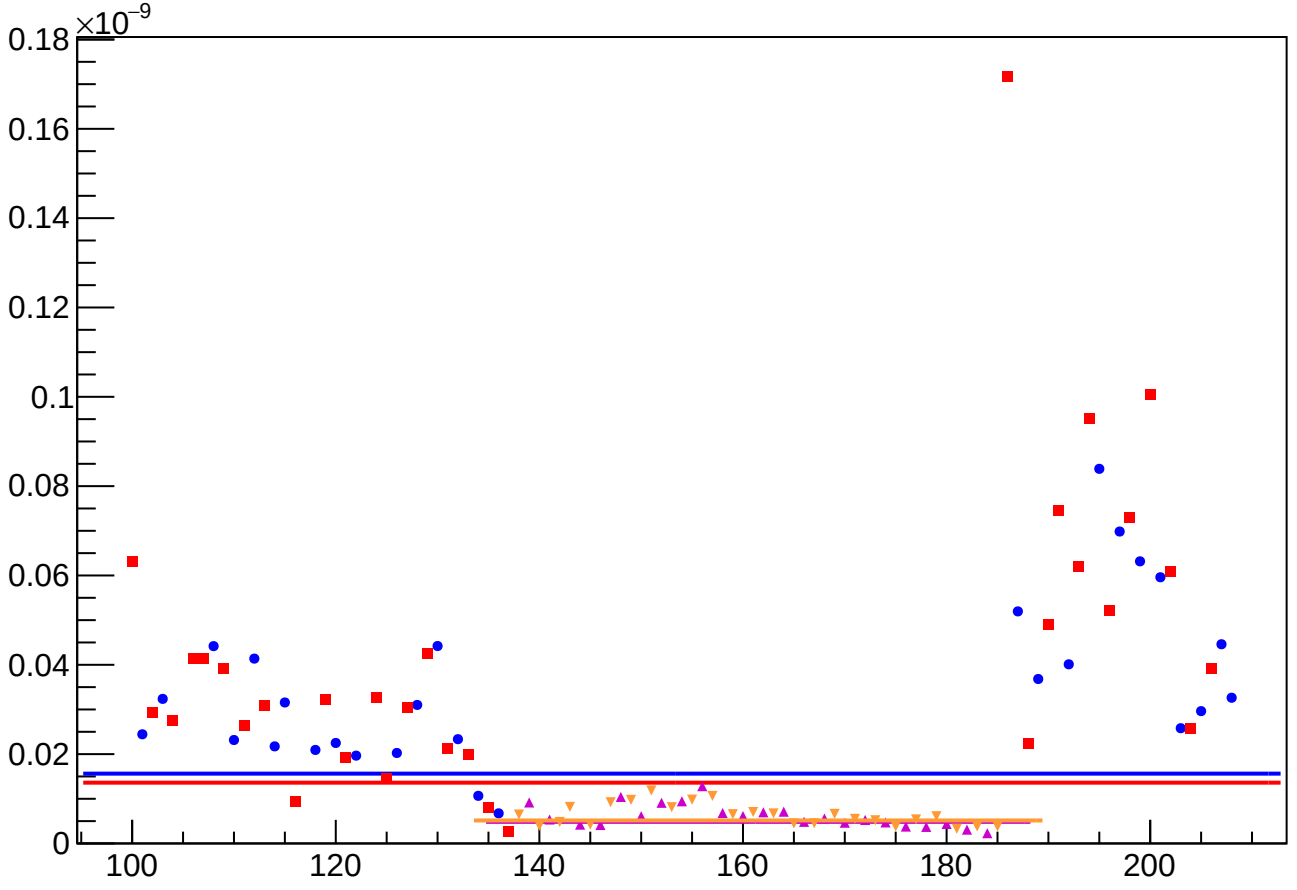
Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.469+/-0.004 χ^2/NDF: 5378826.8/51

All: 30.549+/-0.003 χ^2/NDF: 11074247.5/105

- sign 30.631+/-0.004 χ^2/NDF: 5694553.5/53


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10⁻¹²
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.0/26
Left Out: -0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 36.2/30
Left In: 0.000+/-0.000 χ²/NDF:19.5/22
+ sign -0.000+/-0.000 χ²/NDF: 60.1/51
All: 0.000+/-0.000 χ²/NDF: 117.9/105
- sign 0.000+/-0.000 χ²/NDF: 55.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 8249405.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10596904.1/30

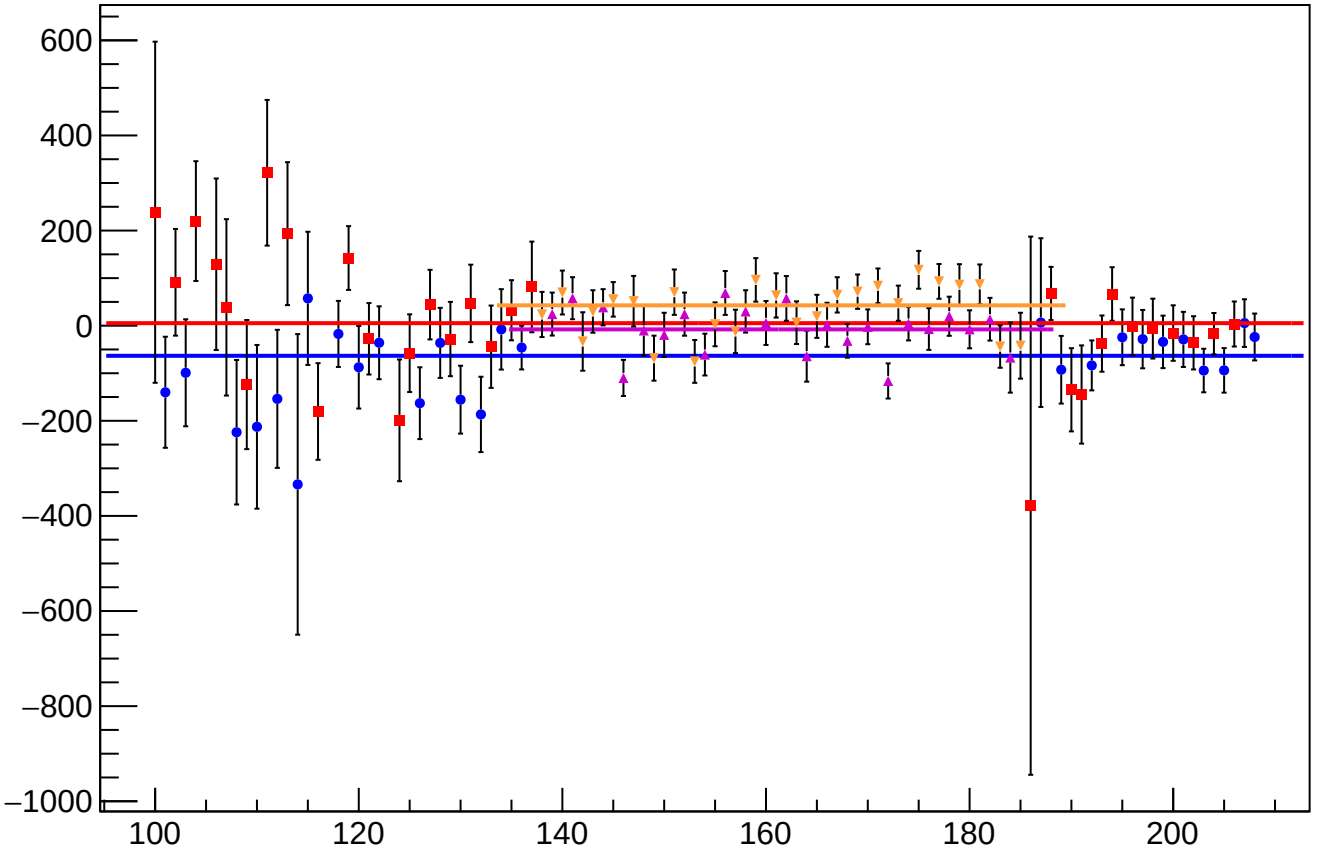
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 16484077.7/51

All: 0.000+/-0.000 χ^2/NDF: 33940696.5/105

- sign 0.000+/-0.000 χ^2/NDF: 17378462.2/53

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -63.317+/-13.254 χ^2/NDF: 16.7/26

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 5.302+/-13.717 χ^2/NDF: 33.0/30

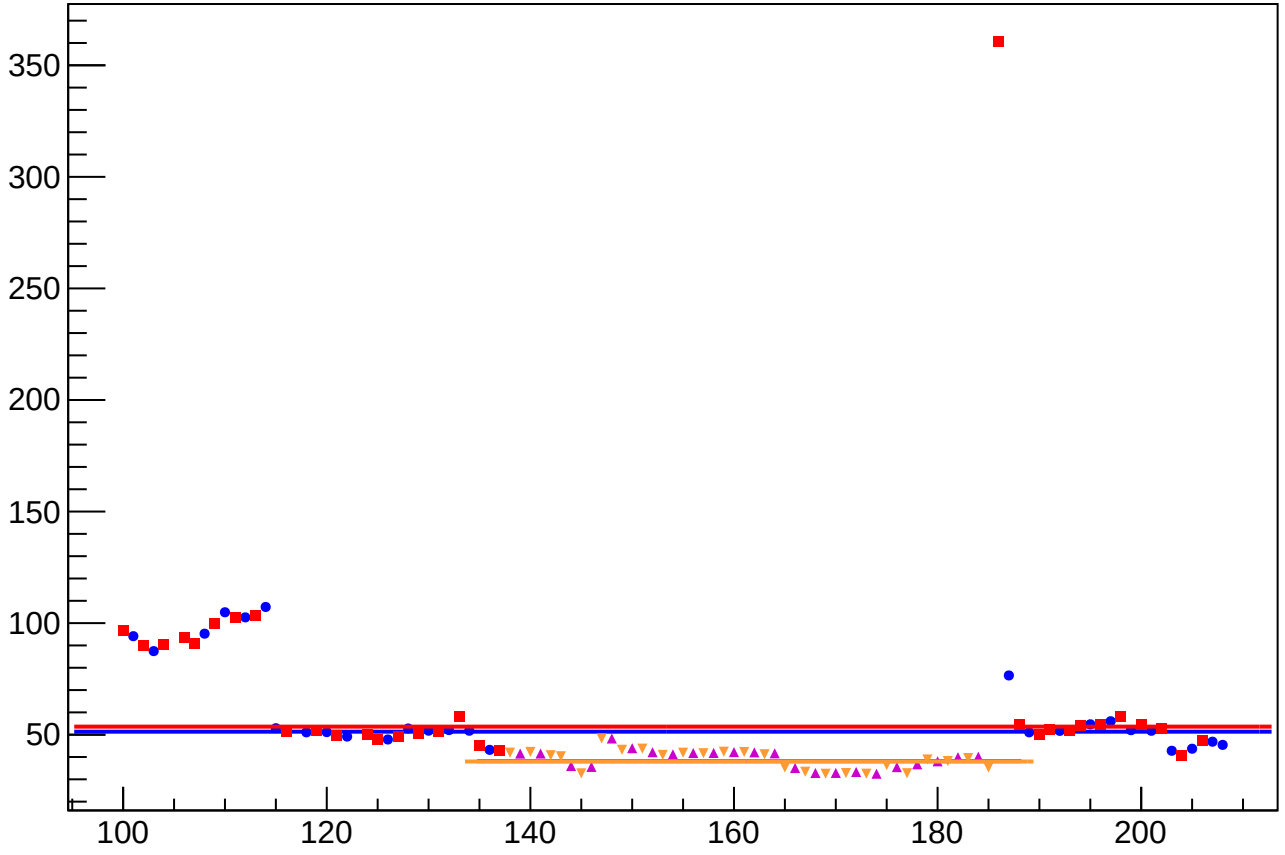
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 10.831+/-7.272 χ^2/NDF: 96.3/51

All: 3.721+/-5.224 χ^2/NDF: 162.4/105

- sign -3.861+/-7.510 χ^2/NDF: 64.2/53

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 51.354+/-0.009 χ^2/NDF: 1443586.4/26

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

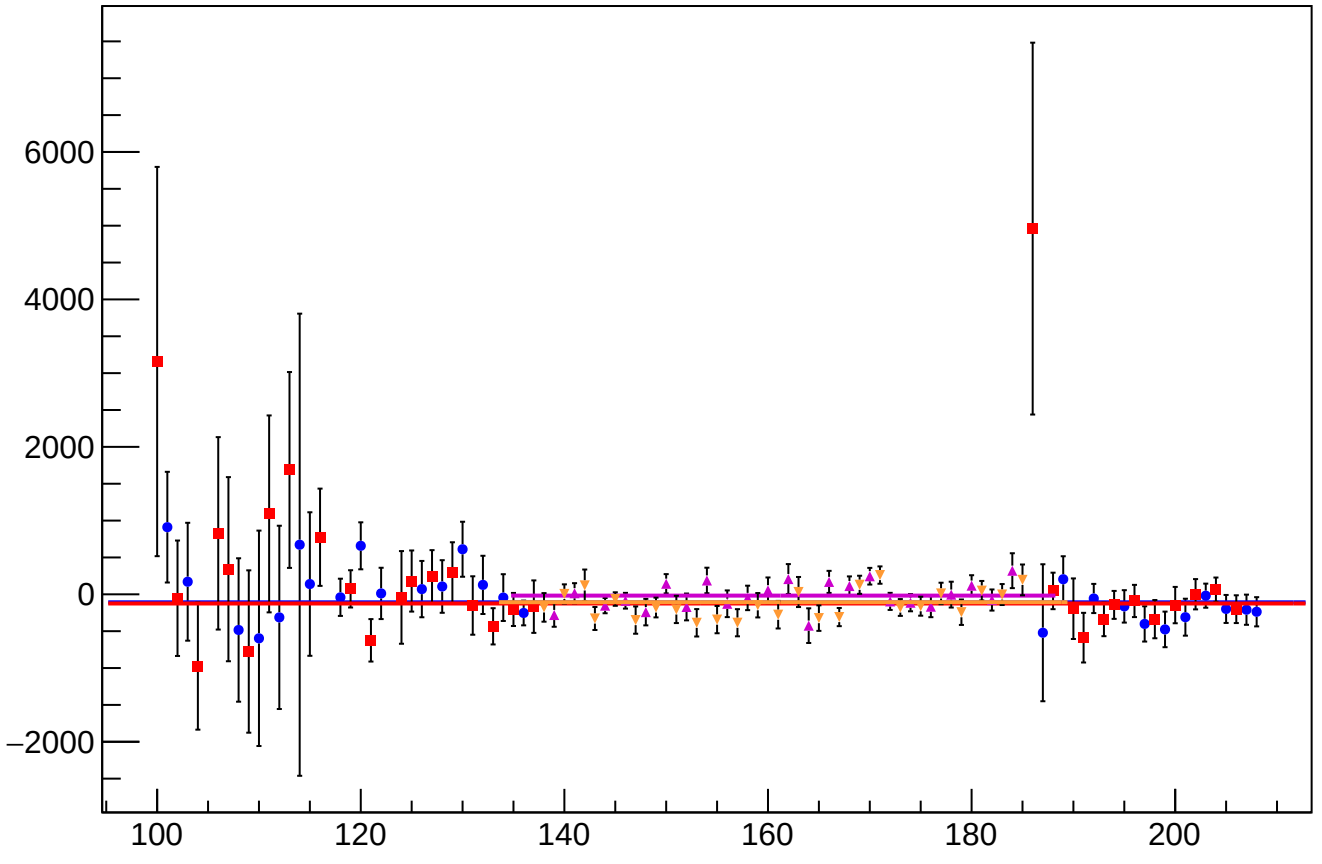
Right Out: 53.613+/-0.010 χ^2/NDF: 2166920.3/30

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 42.013+/-0.005 χ^2/NDF: 3378394.5/51

All: 42.381+/-0.004 χ^2/NDF: 7767909.7/105

- sign 42.773+/-0.005 χ^2/NDF: 4378941.6/53



Right In: -108.369+/-54.478 χ^2/NDF: 20.8/26

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -124.524+/-55.184 χ^2/NDF: 25.9/30

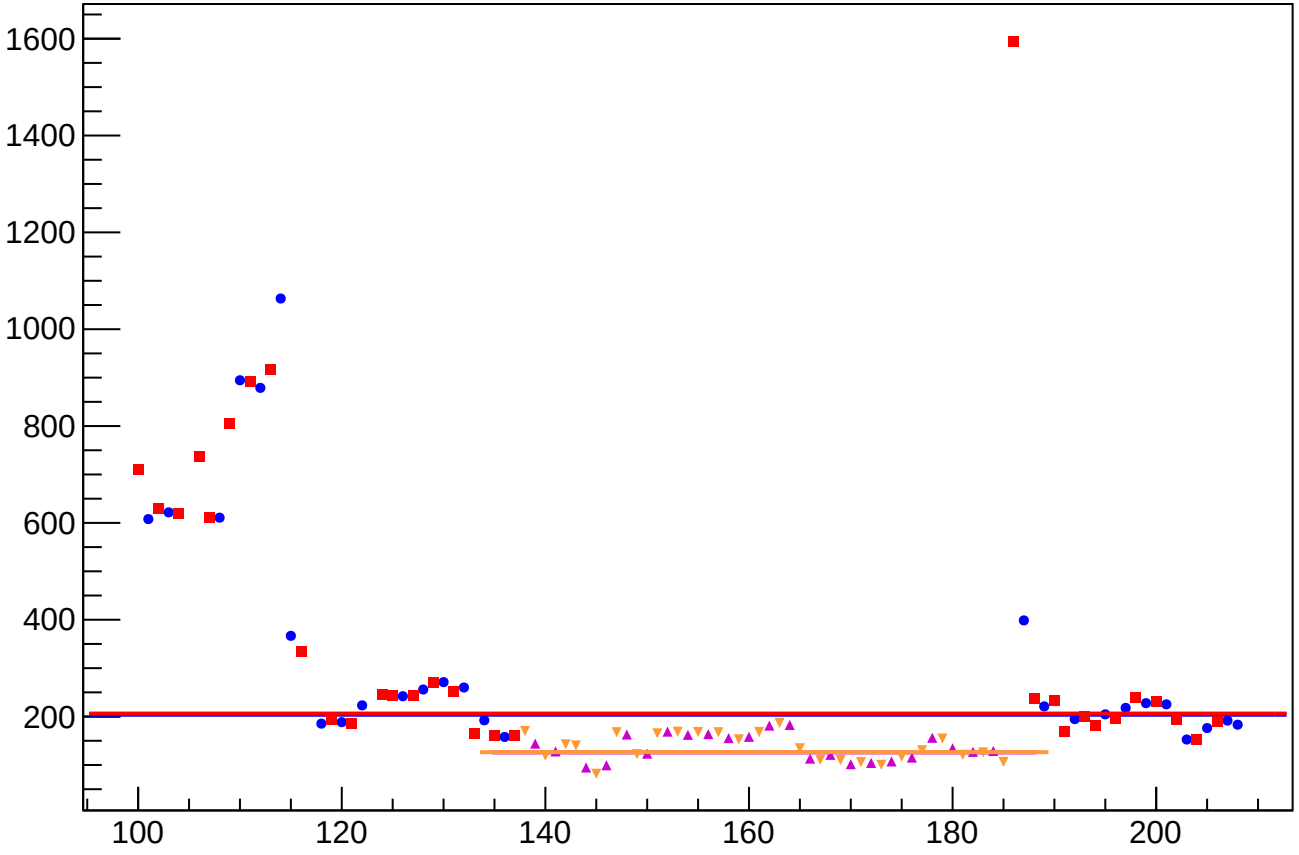
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -106.930+/-25.984 χ^2/NDF: 58.4/51

All: -75.160+/-18.547 χ^2/NDF: 118.6/105

- sign -42.160+/-26.482 χ^2/NDF: 57.1/53

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 203.827+/-0.039 χ^2/NDF: 3467645.1/26

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 206.221+/-0.039 χ^2/NDF: 4735252.9/30

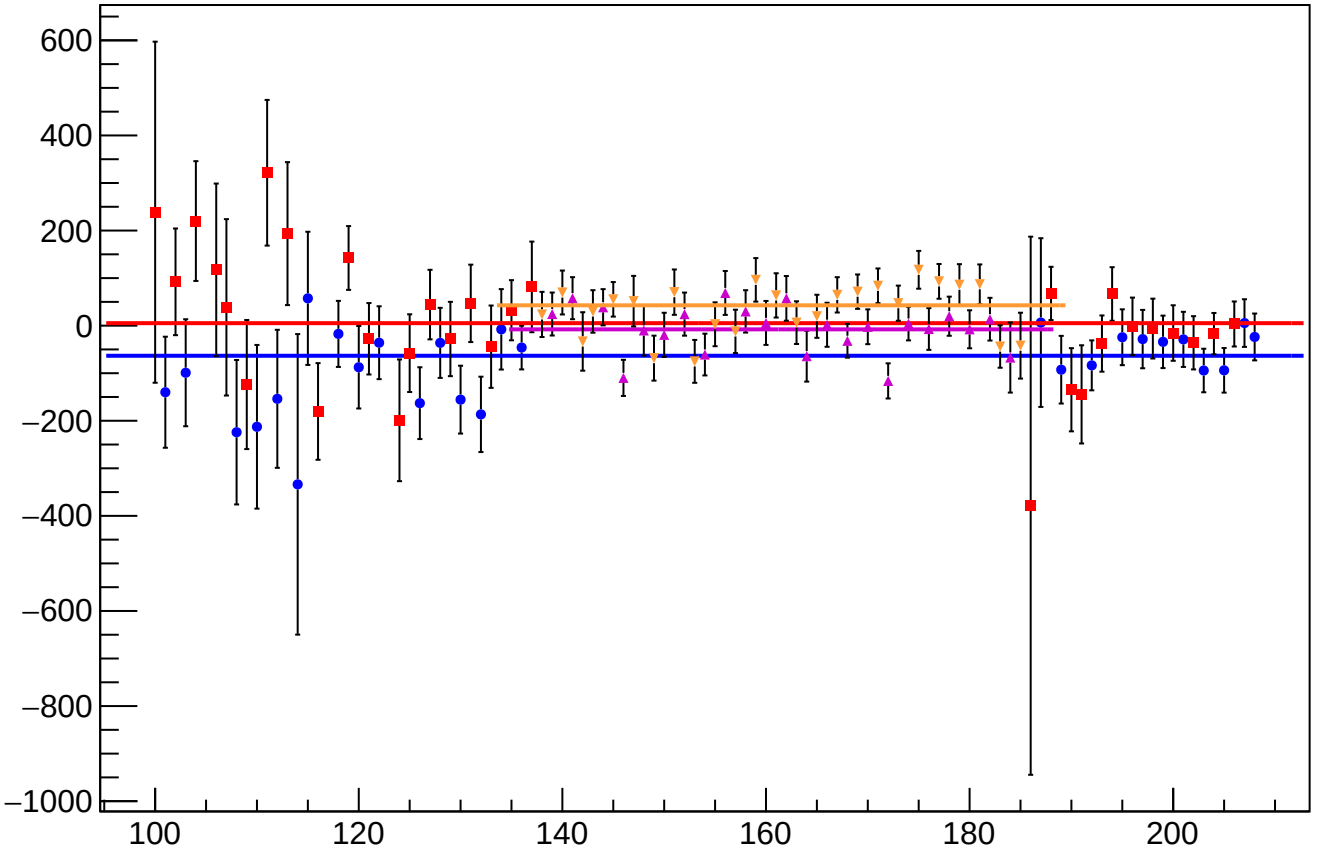
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 144.138+/-0.018 χ^2/NDF: 8333737.7/51

All: 144.308+/-0.013 χ^2/NDF: 17731867.4/10

- sign 144.485+/-0.019 χ^2/NDF: 9397955.0/53

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -63.315+/-13.254 χ^2/NDF: 16.7/26

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 5.239+/-13.717 χ^2/NDF: 32.9/30

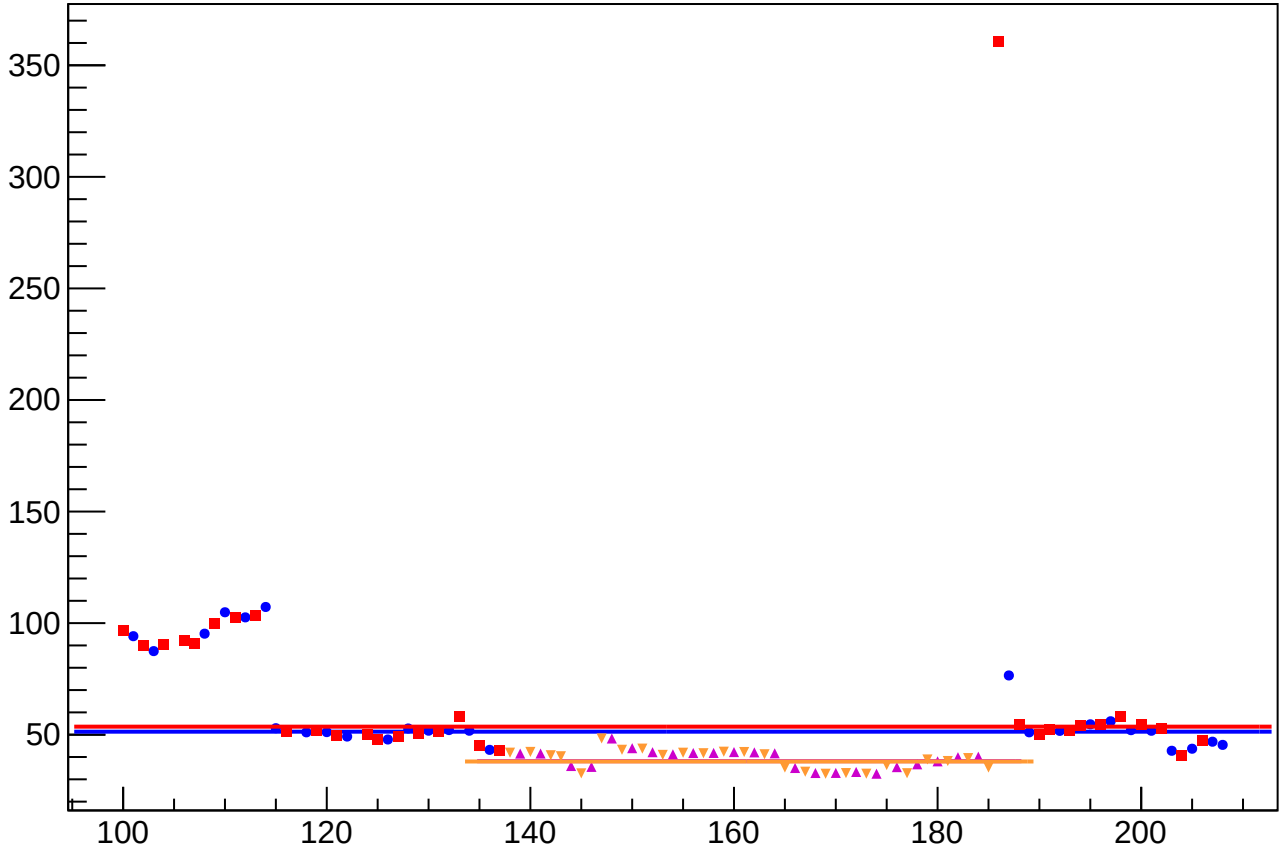
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 10.833+/-7.272 χ^2/NDF: 96.3/51

All: 3.713+/-5.224 χ^2/NDF: 162.3/105

- sign -3.881+/-7.510 χ^2/NDF: 64.1/53

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 51.354+/-0.009 χ^2/NDF: 1443586.7/26

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

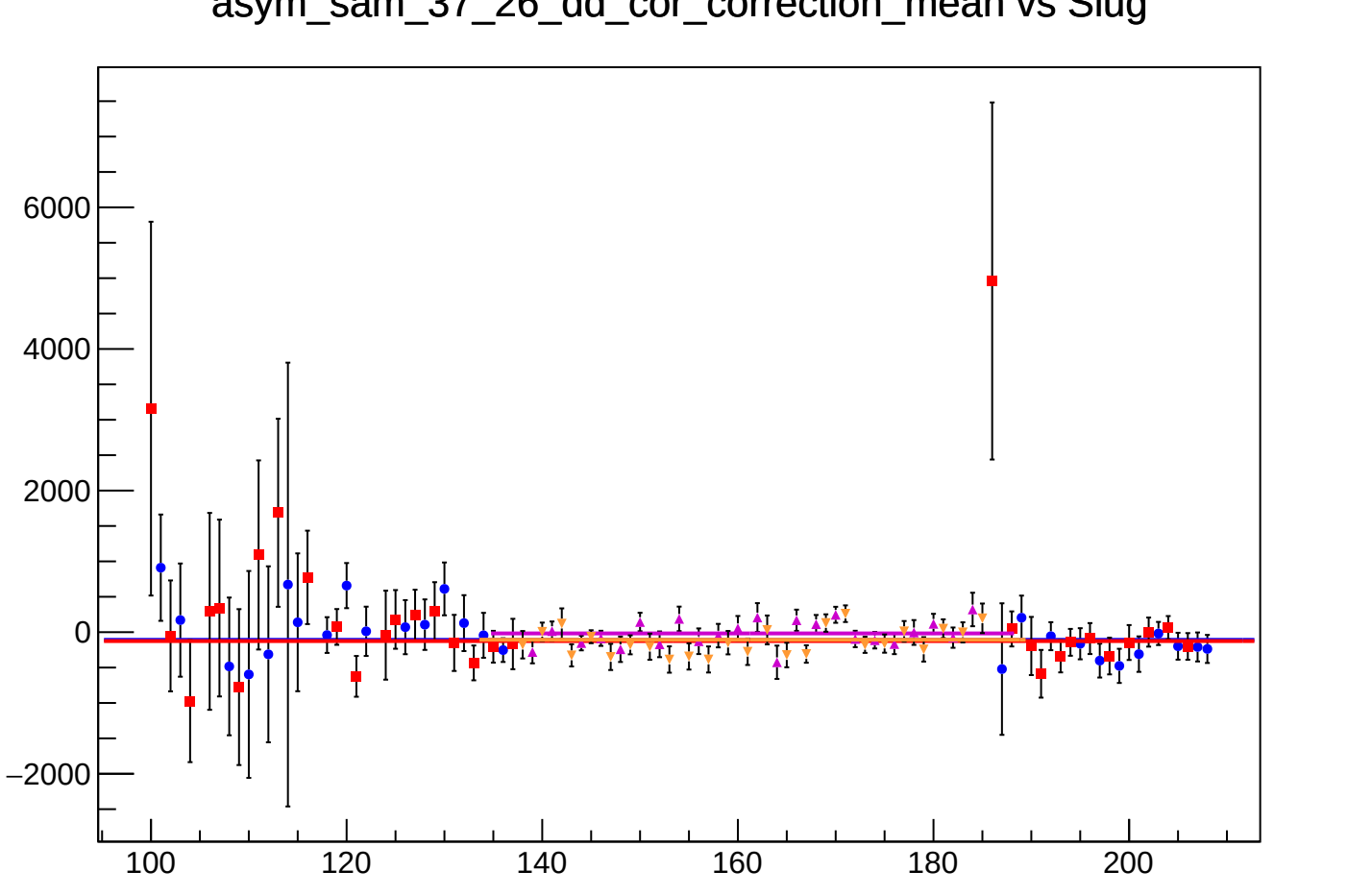
Right Out: 53.601+/-0.010 χ^2/NDF: 2158578.5/30

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 42.013+/-0.005 χ^2/NDF: 3378394.7/51

All: 42.379+/-0.004 χ^2/NDF: 7756736.5/105

- sign 42.769+/-0.005 χ^2/NDF: 4367870.4/53



Right In: -108.367+/-54.478 χ^2/NDF: 20.8/26

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -125.554+/-55.190 χ^2/NDF: 25.5/30

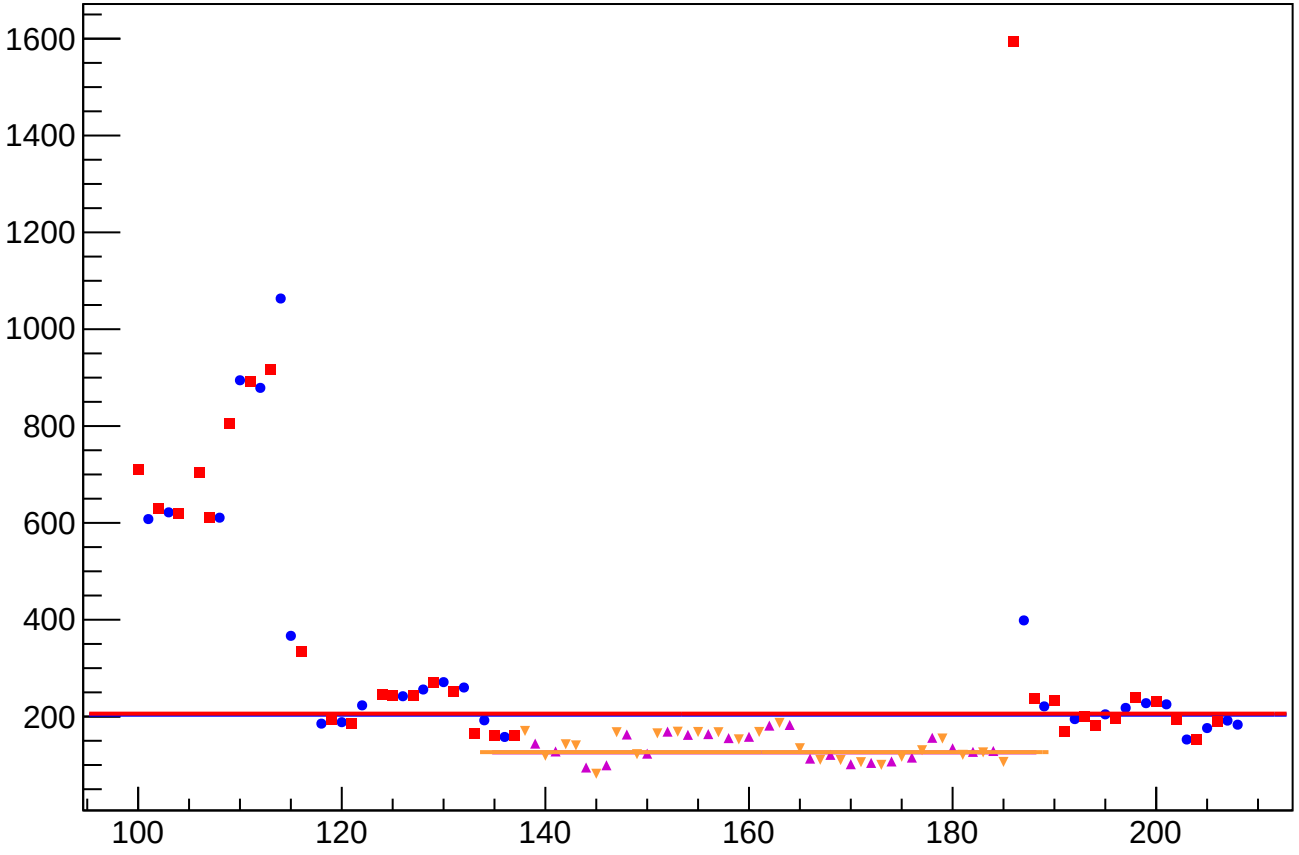
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -106.929+/-25.984 χ^2/NDF: 58.4/51

All: -75.275+/-18.547 χ^2/NDF: 118.2/105

- sign -42.393+/-26.483 χ^2/NDF: 56.7/53

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 203.827+/-0.039 χ^2/NDF: 3467654.0/26

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 206.057+/-0.039 χ^2/NDF: 4662102.2/30

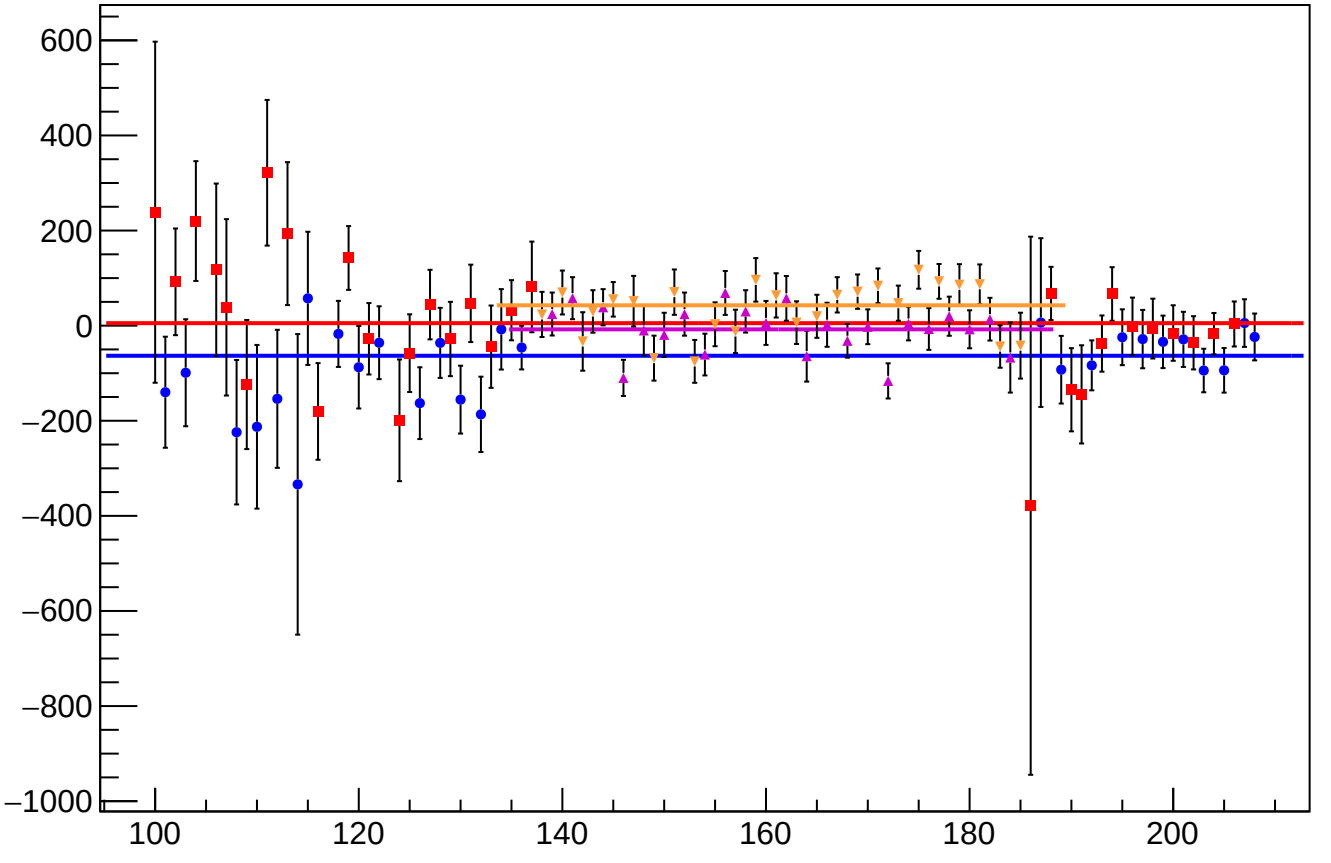
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 144.138+/-0.018 χ^2/NDF: 8333733.1/51

All: 144.288+/-0.013 χ^2/NDF: 17644889.4/10

- sign 144.444+/-0.019 χ^2/NDF: 9311020.5/53

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -63.315+/-13.254 χ^2/NDF: 16.7/26

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 5.239+/-13.717 χ^2/NDF: 32.9/30

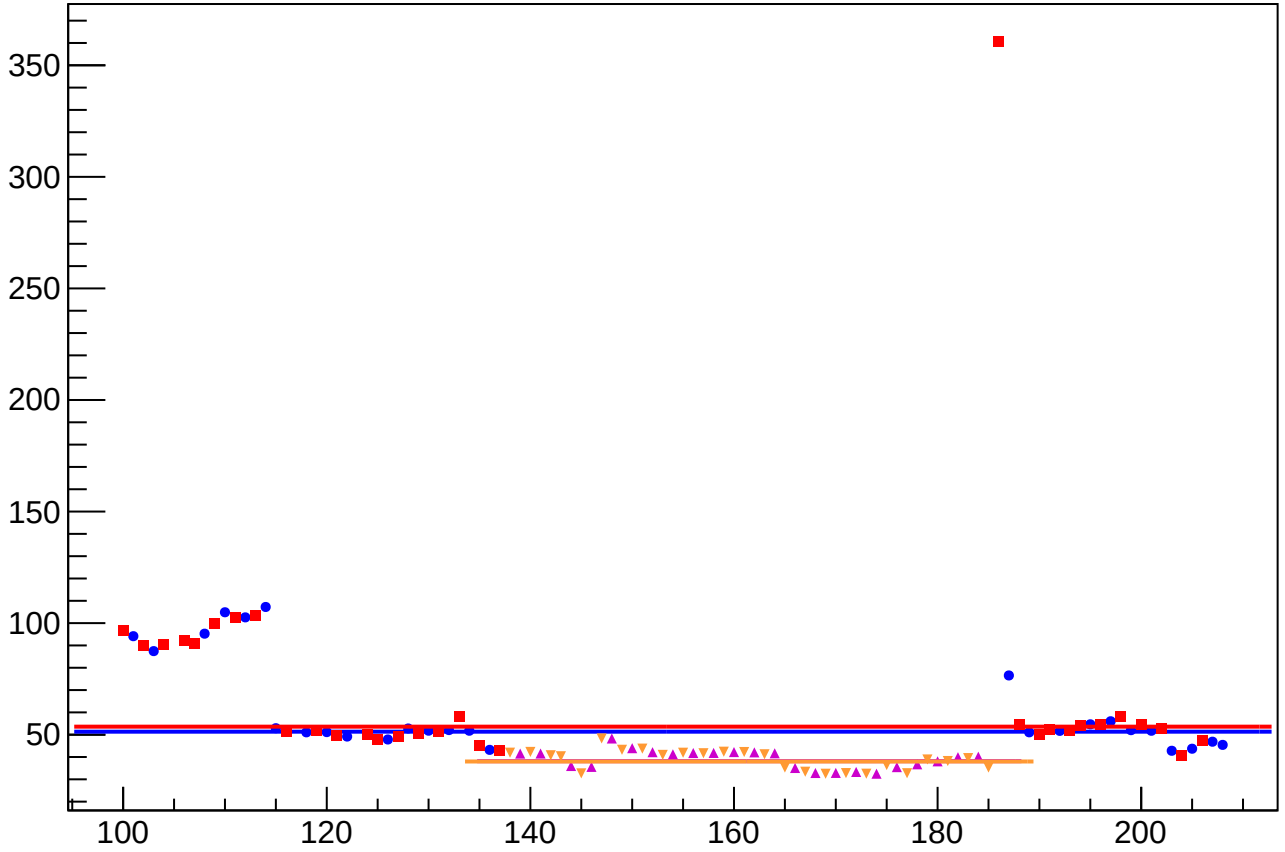
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 10.833+/-7.272 χ^2/NDF: 96.3/51

All: 3.713+/-5.224 χ^2/NDF: 162.3/105

- sign -3.881+/-7.510 χ^2/NDF: 64.1/53

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 51.354+/-0.009 χ^2/NDF: 1443586.7/26

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

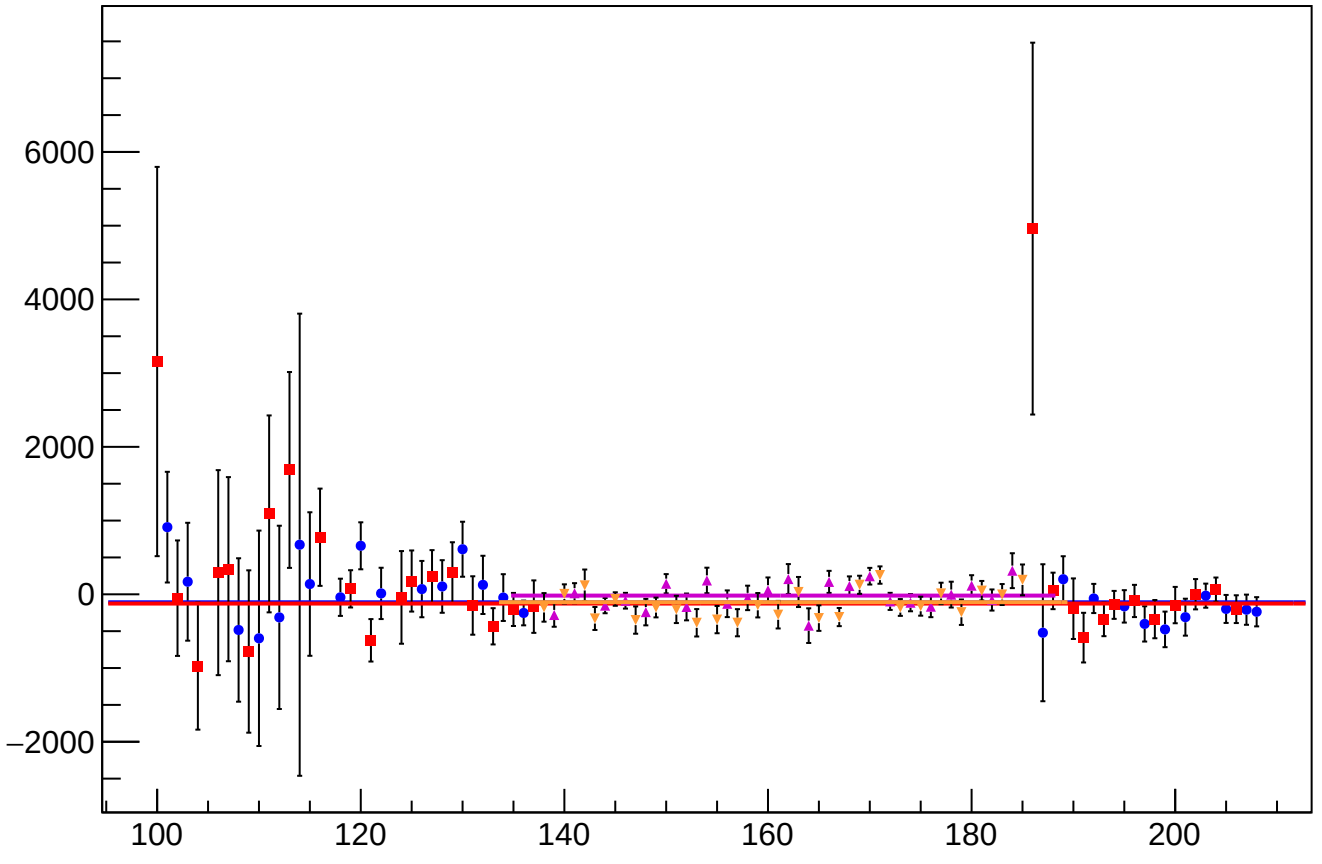
Right Out: 53.601+/-0.010 χ^2/NDF: 2158578.5/30

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

\+ sign 42.013+/-0.005 χ^2/NDF: 3378394.7/51

All: 42.379+/-0.004 χ^2/NDF: 7756736.5/105

\- sign 42.769+/-0.005 χ^2/NDF: 4367870.4/53



Right In: -108.367+/-54.478 χ^2/NDF: 20.8/26

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -125.554+/-55.190 χ^2/NDF: 25.5/30

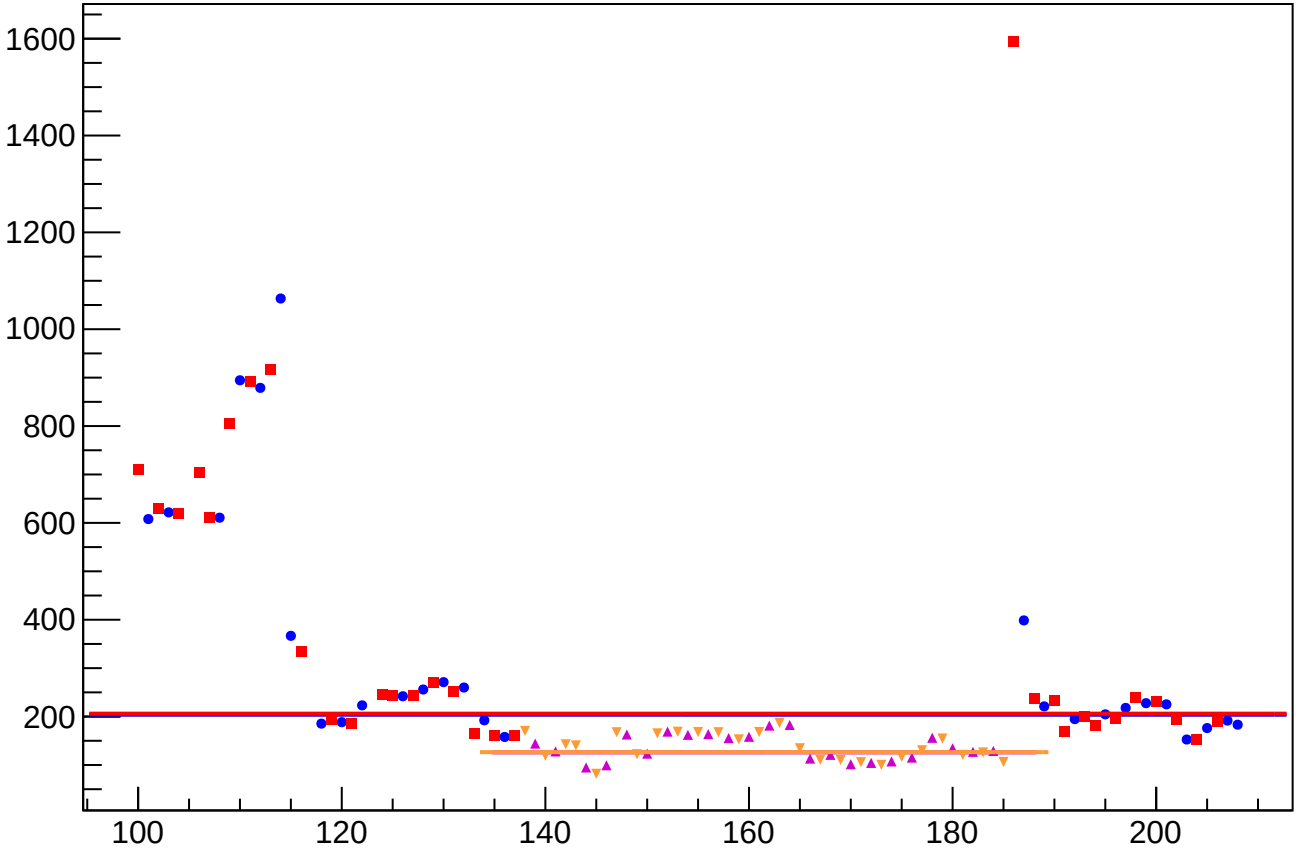
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -106.929+/-25.984 χ^2/NDF: 58.4/51

All: -75.275+/-18.547 χ^2/NDF: 118.2/105

- sign -42.393+/-26.483 χ^2/NDF: 56.7/53

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug



Right In: 203.827+/-0.039 χ^2/NDF: 3467654.0/26

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 206.057+/-0.039 χ^2/NDF: 4662102.2/30

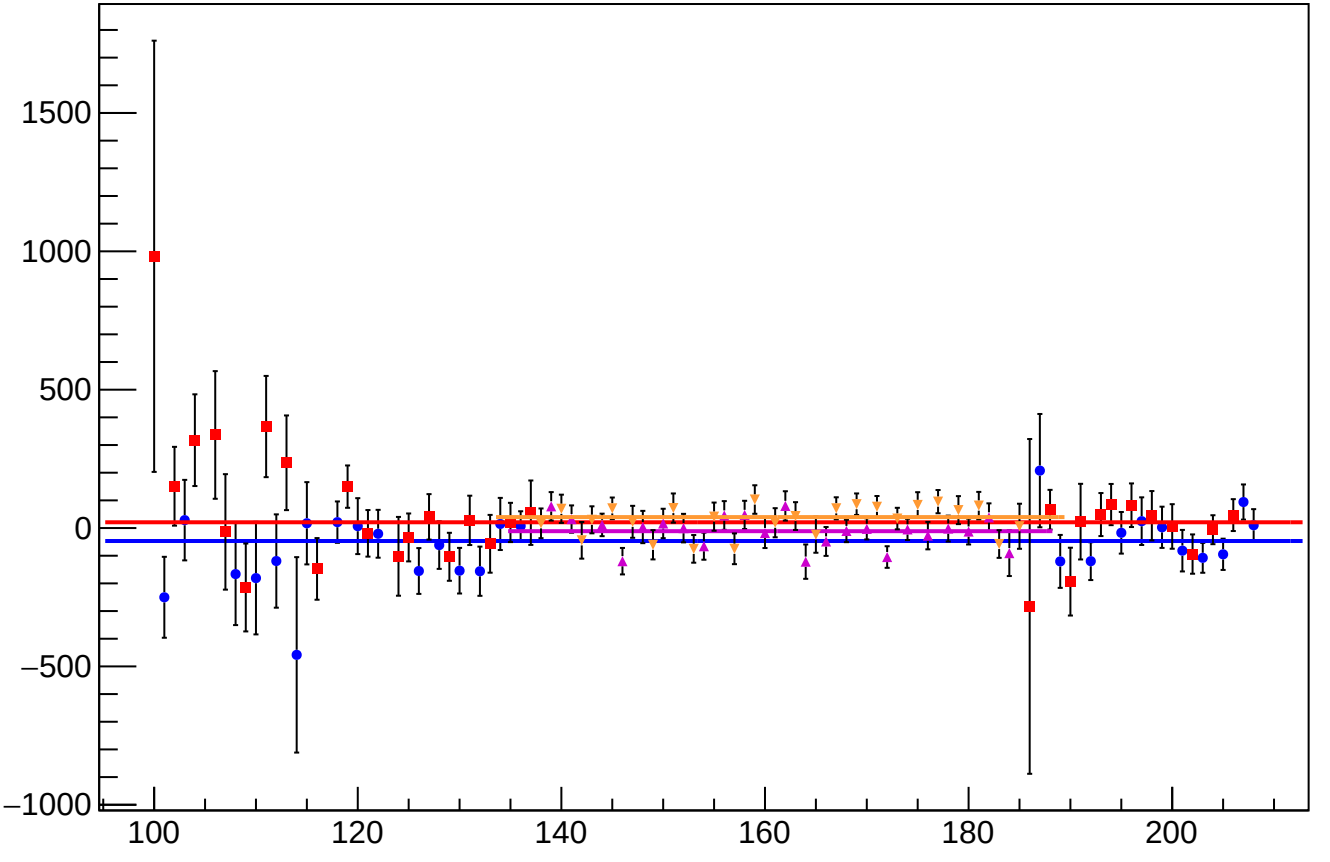
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 144.138+/-0.018 χ^2/NDF: 8333733.1/51

All: 144.288+/-0.013 χ^2/NDF: 17644889.4/10

- sign 144.444+/-0.019 χ^2/NDF: 9311020.5/53

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -46.844+/-16.044 χ^2/NDF: 25.1/26

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 20.847+/-16.786 χ^2/NDF: 32.5/30

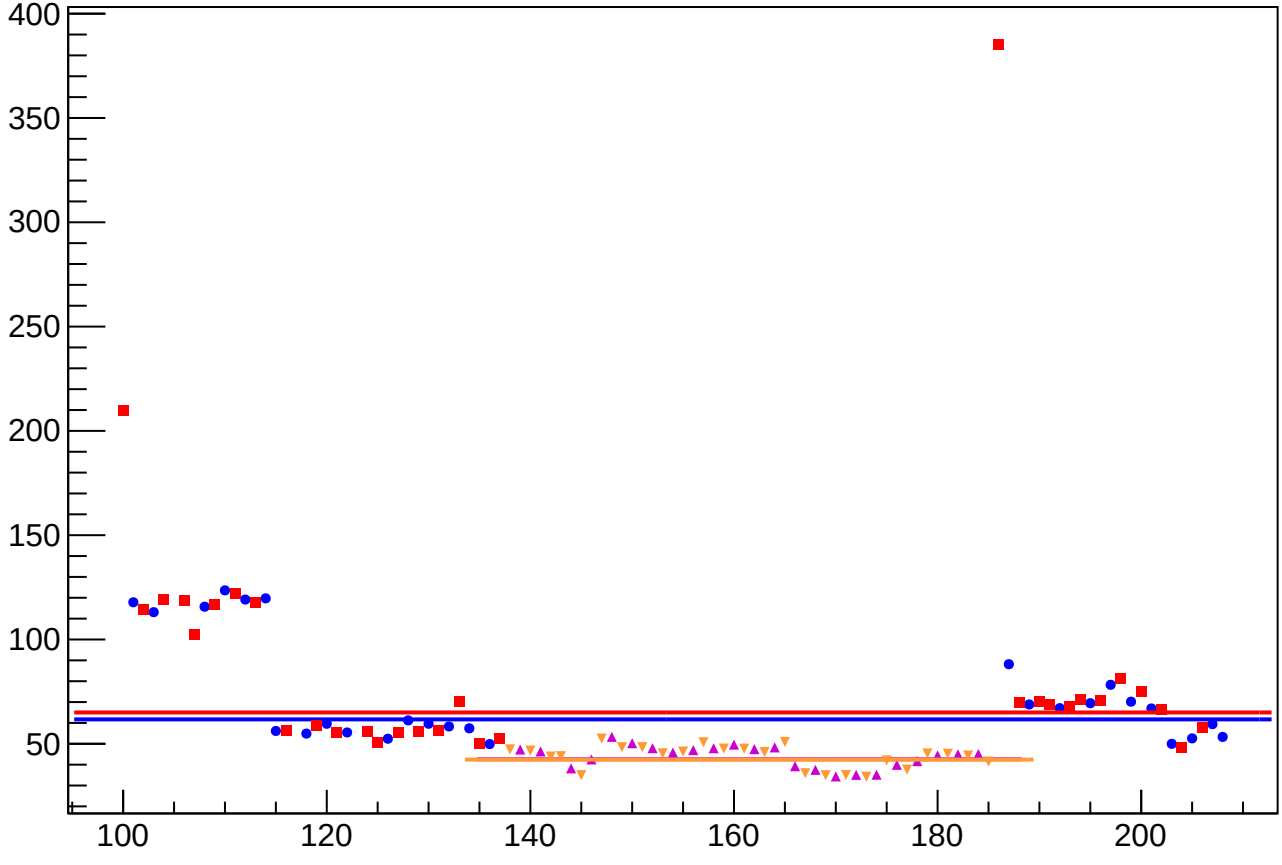
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 16.275+/-8.329 χ^2/NDF: 75.9/51

All: 7.092+/-5.996 χ^2/NDF: 141.5/105

- sign -2.788+/-8.640 χ^2/NDF: 63.1/53

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 61.699+/-0.011 χ^2/NDF: 1729101.8/26

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 65.015+/-0.012 χ^2/NDF: 2528158.1/30

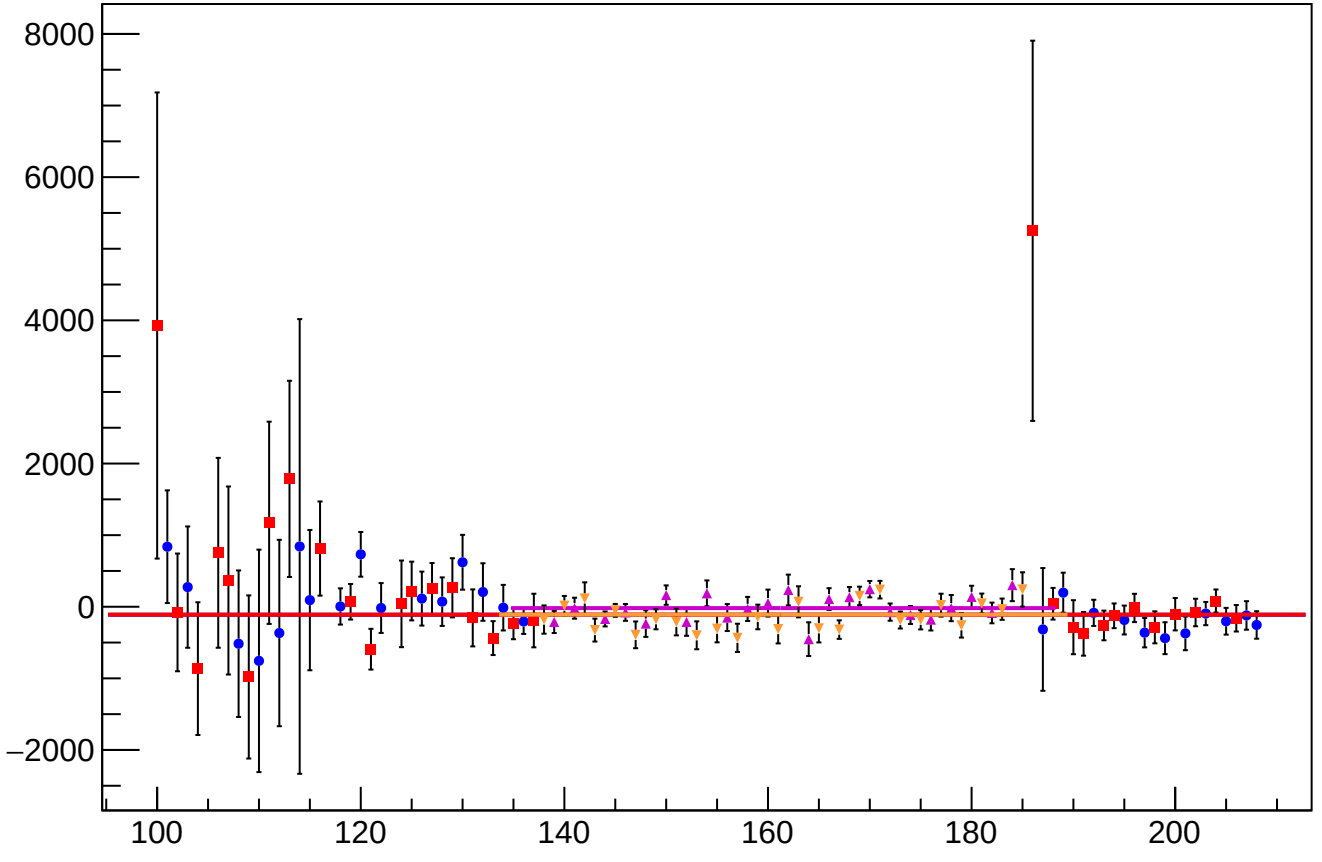
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 47.621+/-0.006 χ^2/NDF: 4536144.5/51

All: 48.055+/-0.004 χ^2/NDF: 10291826.4/105

- sign 48.523+/-0.006 χ^2/NDF: 5744384.9/53

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -111.245+/-52.566 χ^2/NDF: 22.2/26

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -110.823+/-52.205 χ^2/NDF: 24.8/30

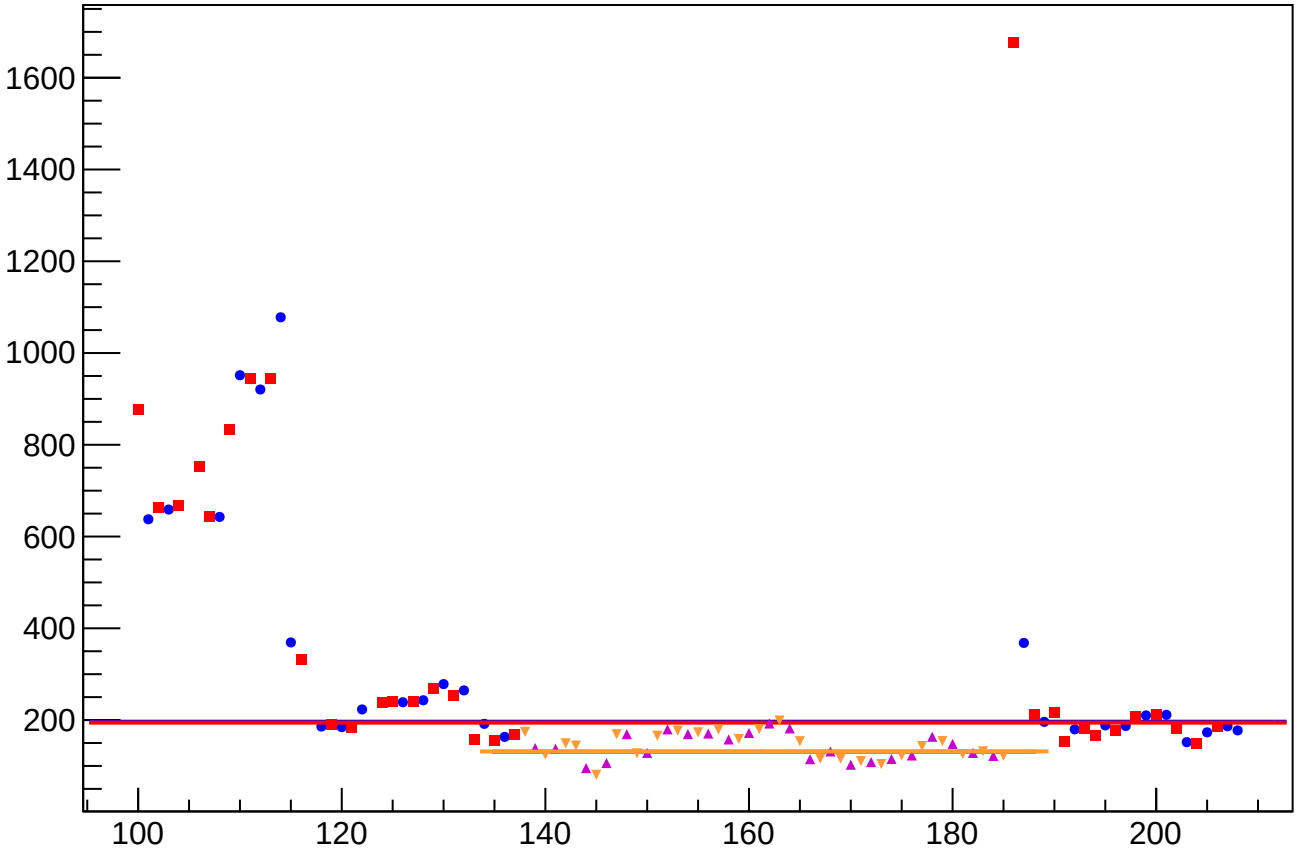
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -110.220+/-26.548 χ^2/NDF: 58.5/51

All: -77.301+/-18.915 χ^2/NDF: 115.8/105

- sign -43.362+/-26.956 χ^2/NDF: 54.3/53

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 196.423+/-0.037 χ^2/NDF: 3543712.0/26

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 194.409+/-0.037 χ^2/NDF: 4966698.8/30

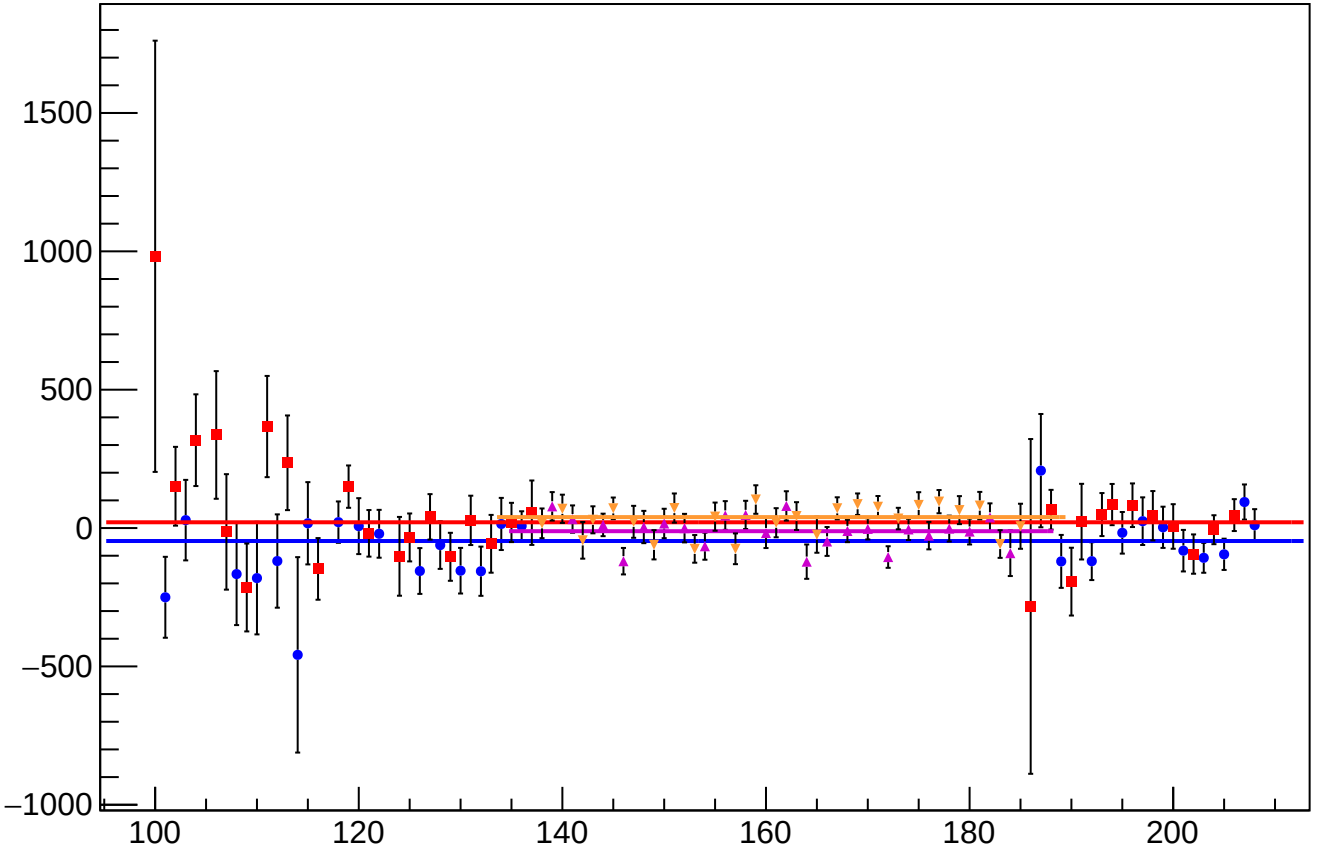
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 148.071+/-0.019 χ^2/NDF: 7718289.5/51

All: 148.016+/-0.013 χ^2/NDF: 16311702.0/10

- sign 147.960+/-0.019 χ^2/NDF: 8593395.4/53

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -46.844+/-16.044 χ^2/NDF: 25.1/26

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 20.848+/-16.786 χ^2/NDF: 32.5/30

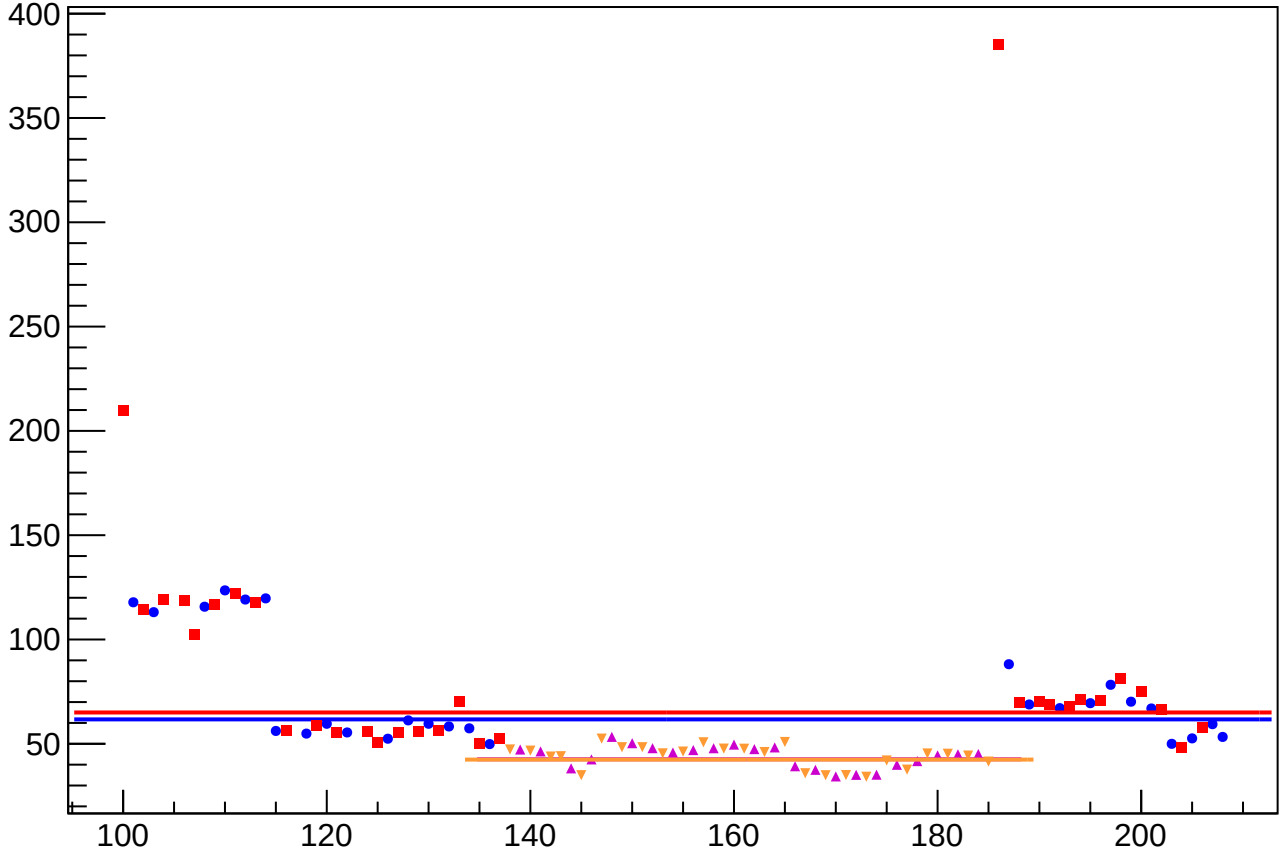
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 16.275+/-8.329 χ^2/NDF: 75.9/51

All: 7.093+/-5.996 χ^2/NDF: 141.5/105

- sign -2.788+/-8.640 χ^2/NDF: 63.1/53

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 61.699+/-0.011 χ^2/NDF: 1729085.2/26

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

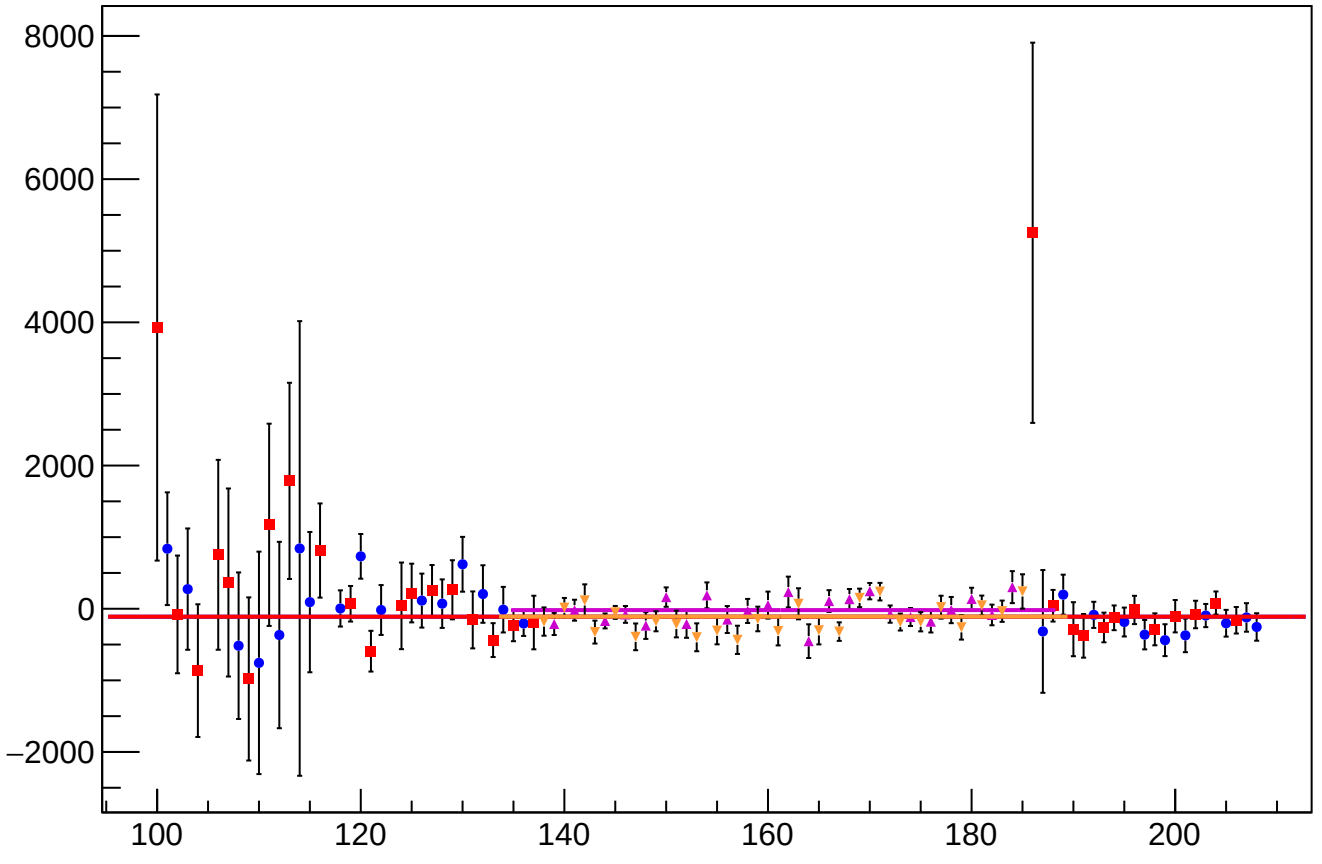
Right Out: 65.015+/-0.012 χ^2/NDF: 2528133.8/30

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 47.621+/-0.006 χ^2/NDF: 4536160.8/51

All: 48.055+/-0.004 χ^2/NDF: 10291858.2/105

- sign 48.523+/-0.006 χ^2/NDF: 5744397.7/53



Right In: -111.246+/-52.566 χ^2/NDF: 22.2/26

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

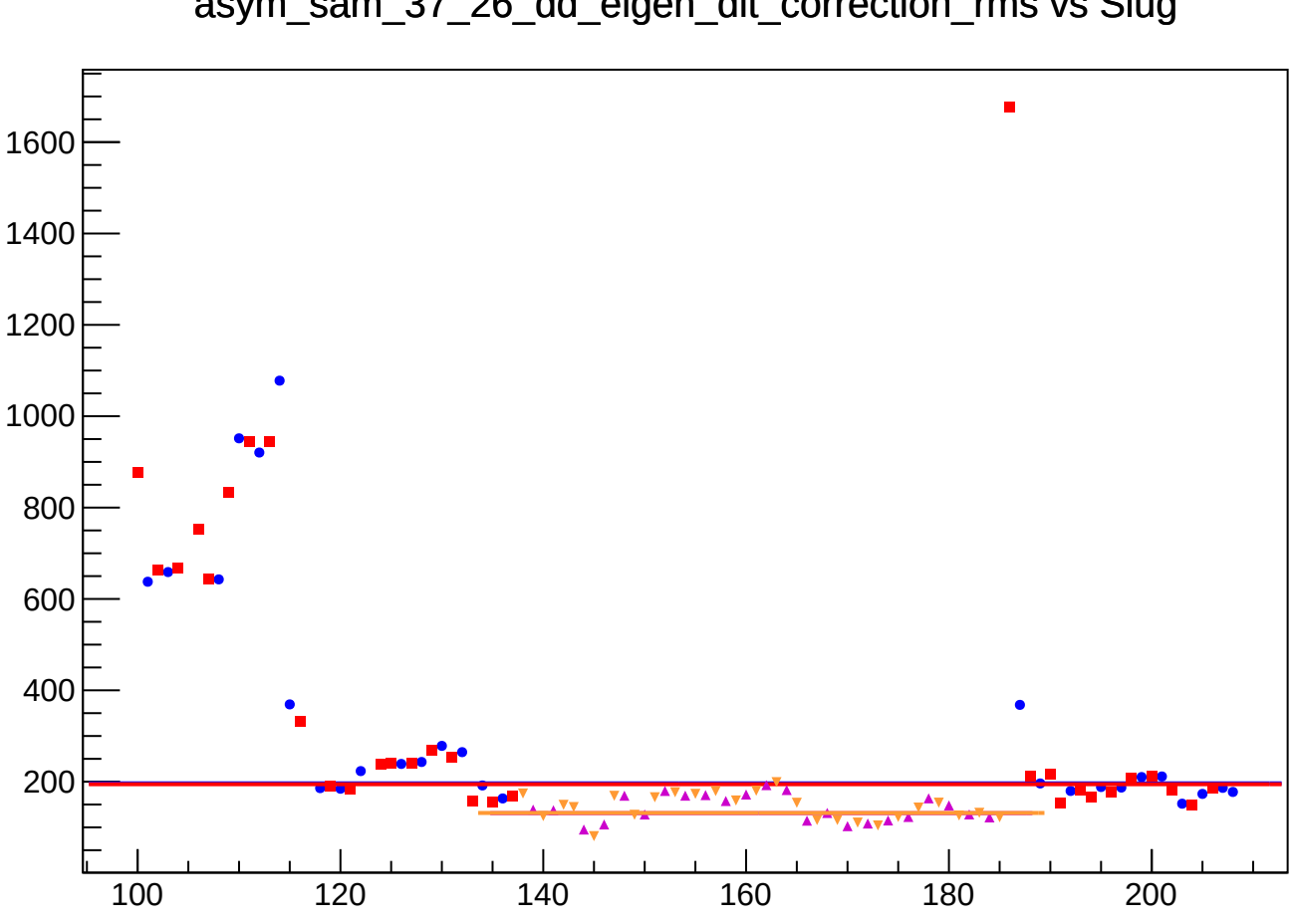
Right Out: -110.822+/-52.205 χ^2/NDF: 24.8/30

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -110.220+/-26.548 χ^2/NDF: 58.5/51

All: -77.301+/-18.915 χ^2/NDF: 115.8/105

- sign -43.362+/-26.956 χ^2/NDF: 54.3/53



Right In: 196.423+/-0.037 χ^2/NDF: 3543706.4/26

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 194.409+/-0.037 χ^2/NDF: 4966700.4/30

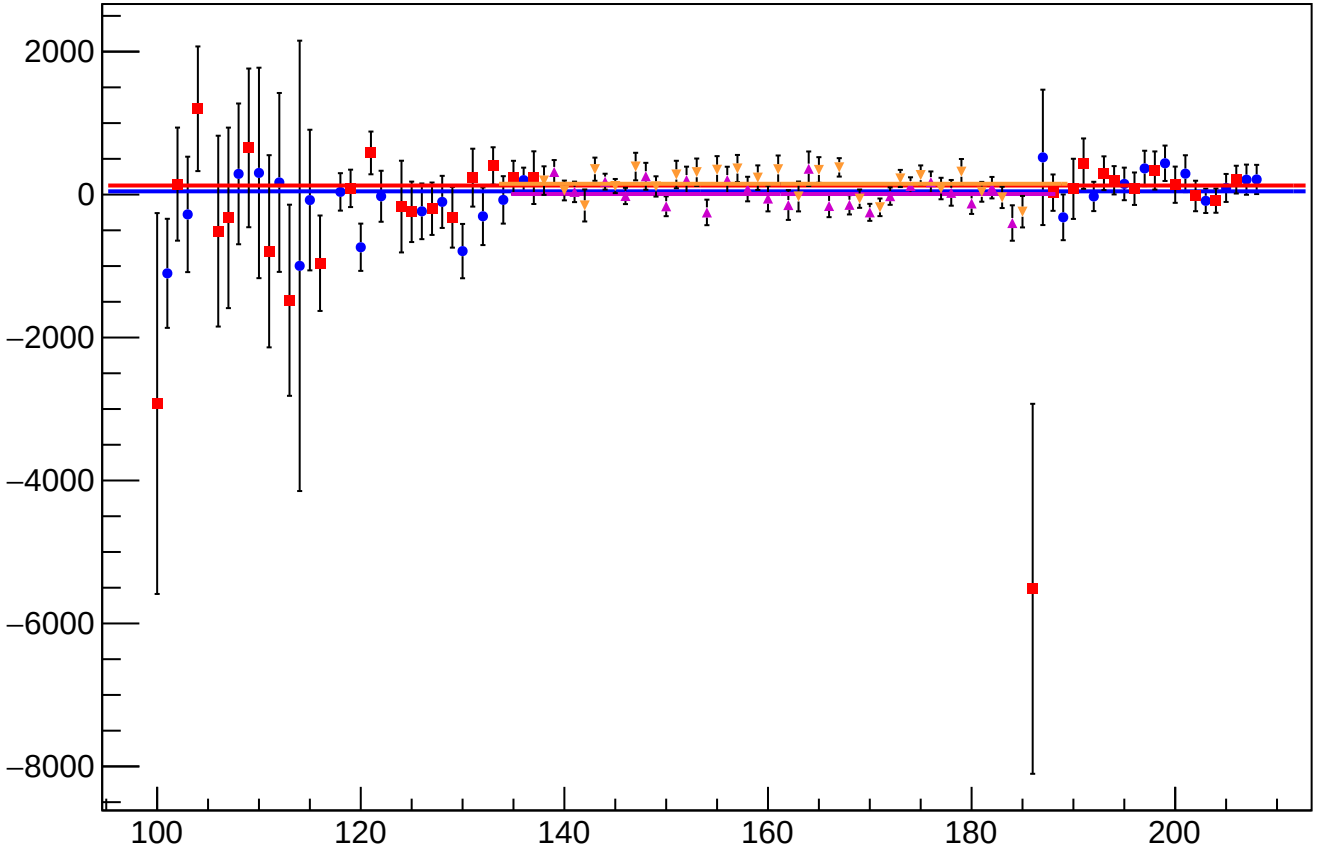
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 148.071+/-0.019 χ^2/NDF: 7718225.5/51

All: 148.016+/-0.013 χ^2/NDF: 16311592.8/10

- sign 147.960+/-0.019 χ^2/NDF: 8593350.3/53

asym_sam_37_26_dd_mean vs Slug



Right In: 45.486+/-56.245 χ^2/NDF: 24.4/26

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 126.806+/-57.116 χ^2/NDF: 23.9/30

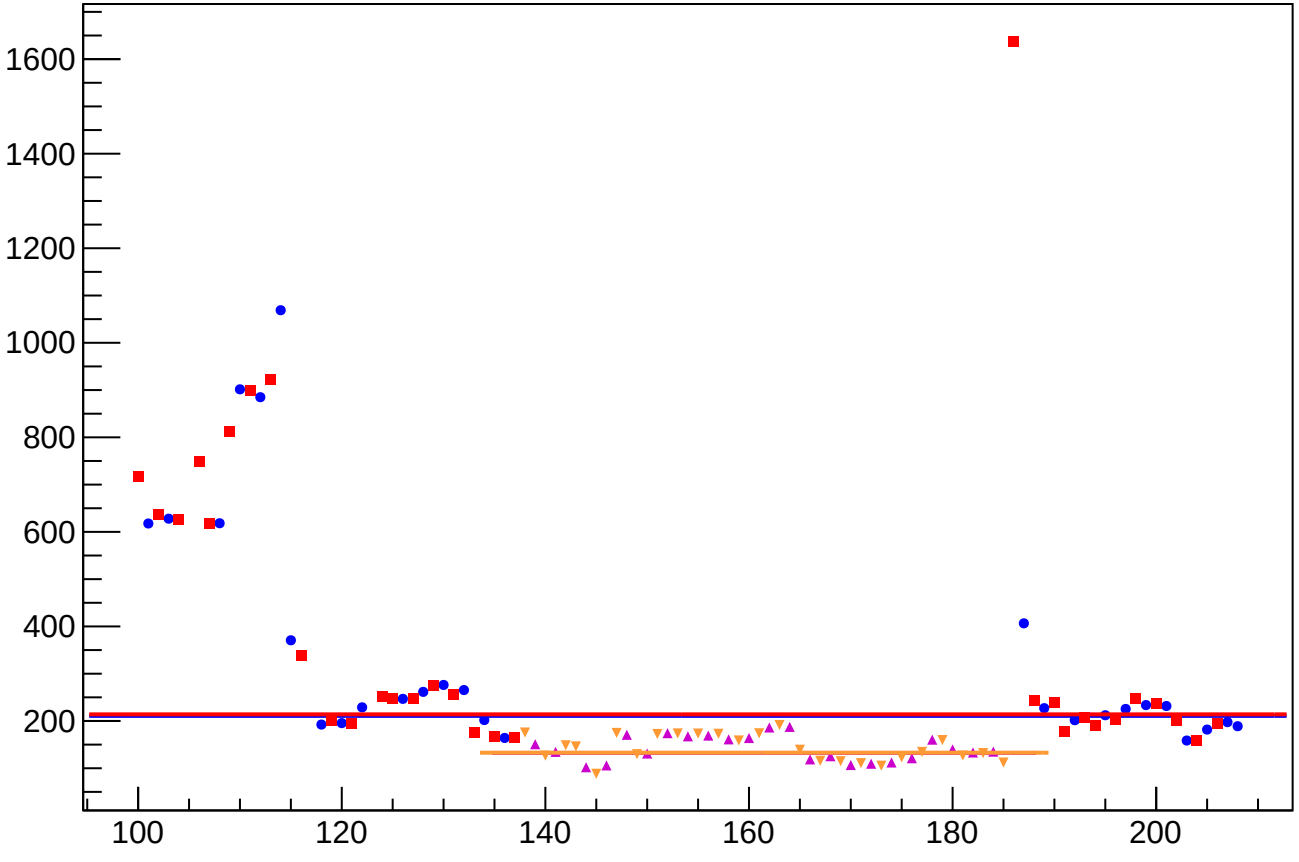
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 126.557+/-27.117 χ^2/NDF: 60.2/51

All: 82.099+/-19.365 χ^2/NDF: 122.3/105

- sign 35.827+/-27.664 χ^2/NDF: 56.6/53

asym_sam_37_26_dd_rms vs Slug



Right In: 210.831+/-0.040 χ^2/NDF: 3378031.7/26

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

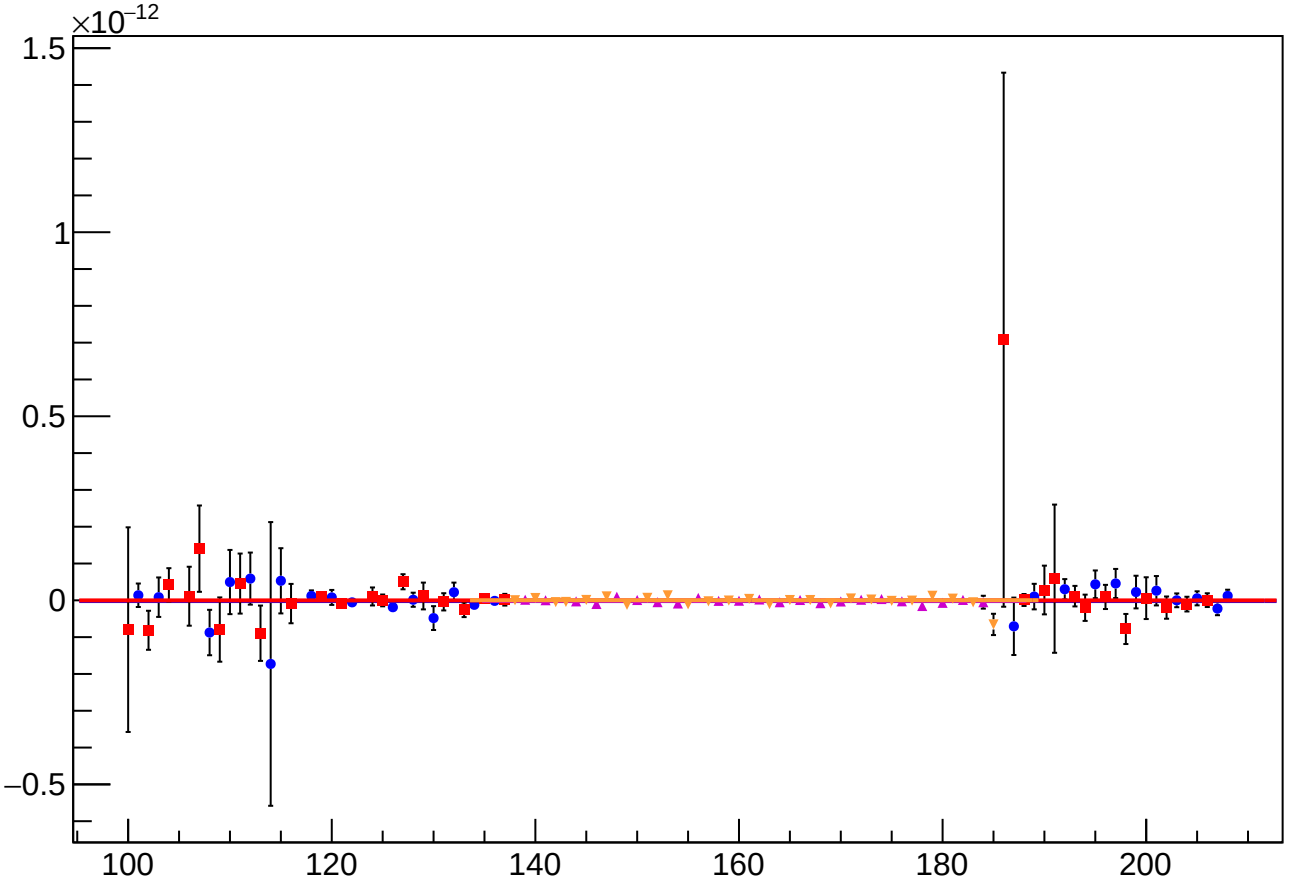
Right Out: 213.976+/-0.040 χ^2/NDF: 4610441.7/30

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 150.996+/-0.019 χ^2/NDF: 7919251.5/51

All: 151.239+/-0.014 χ^2/NDF: 16934907.0/10

- sign 151.493+/-0.020 χ^2/NDF: 9015325.7/53



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

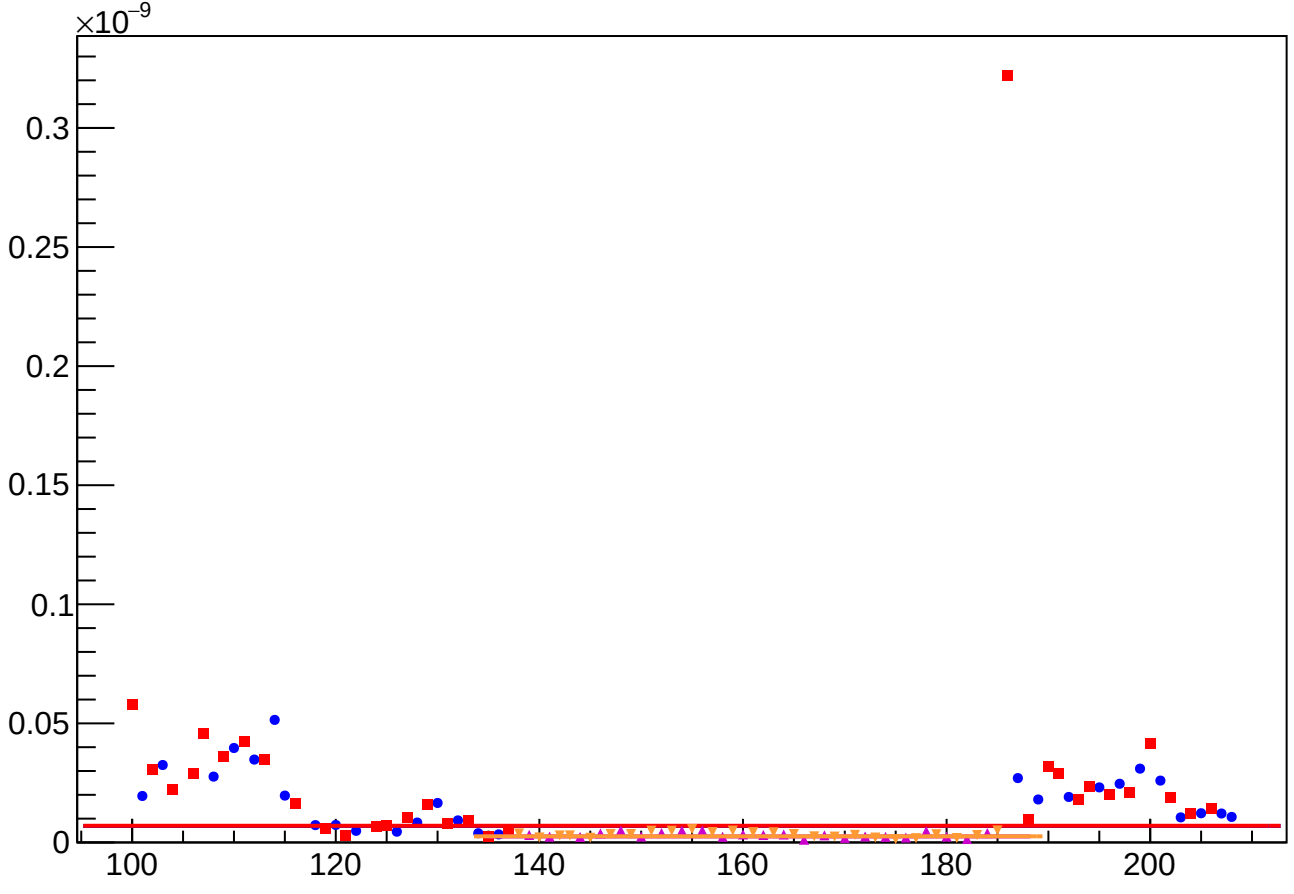
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/30

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.5/51

All: -0.000+/-0.000 χ^2/NDF: 92.5/105

- sign -0.000+/-0.000 χ^2/NDF: 39.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 6130986.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7235371.5/30

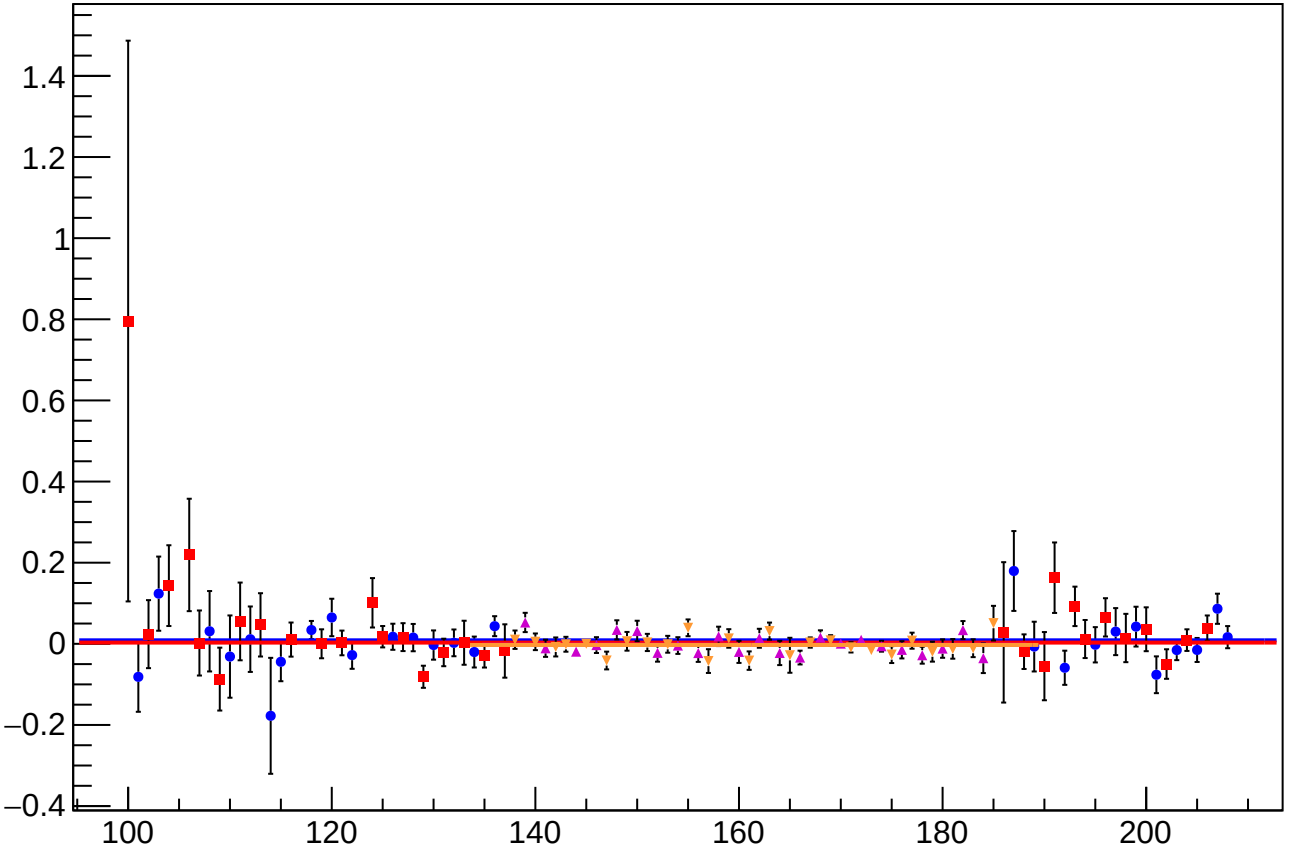
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11437121.7/51

All: 0.000+/-0.000 χ^2/NDF: 23091239.3/105

- sign 0.000+/-0.000 χ^2/NDF: 11649119.7/53

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.007 χ^2/NDF: 28.5/26

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.003+/-0.008 χ^2/NDF: 35.5/30

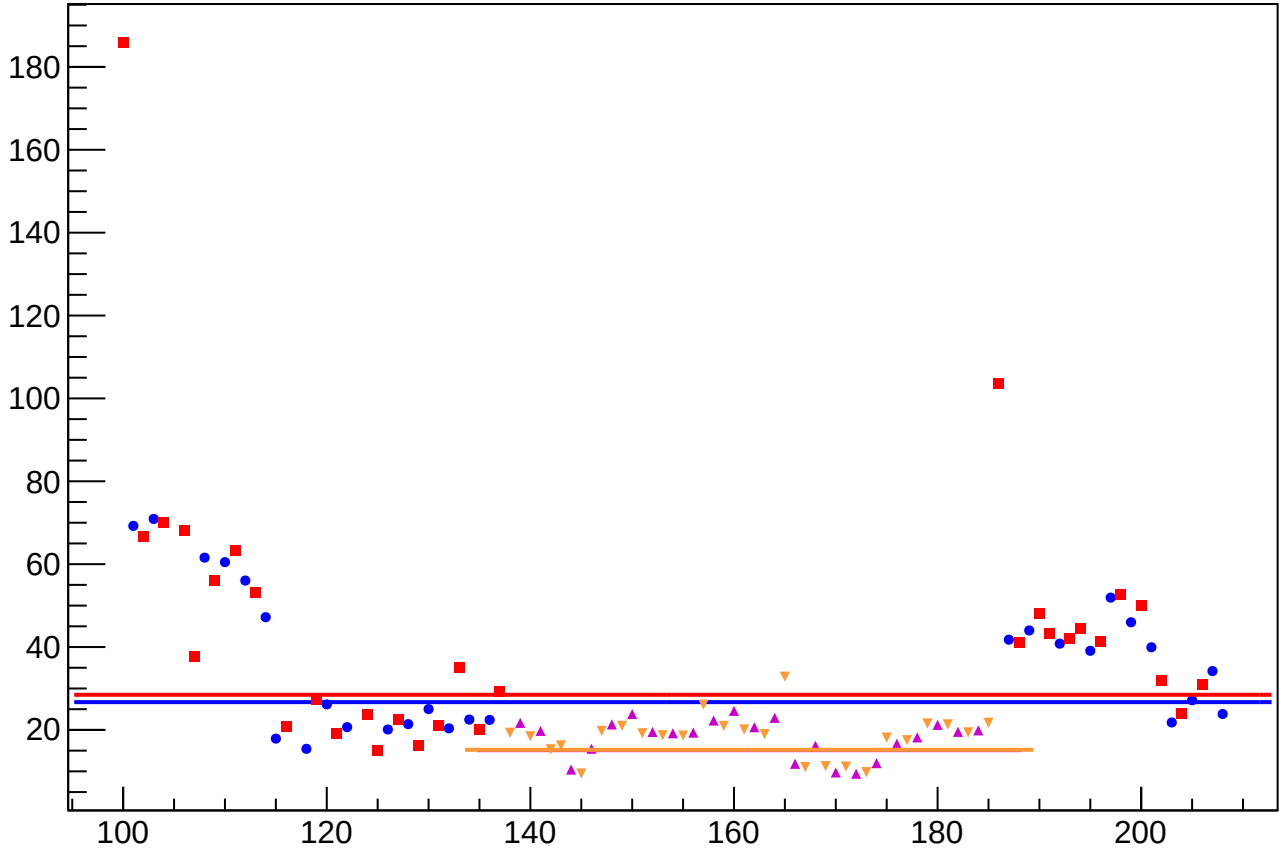
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 53.0/51

All: -0.001+/-0.002 χ^2/NDF: 115.8/105

- sign -0.001+/-0.003 χ^2/NDF: 62.8/53

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.704+/-0.005 χ^2/NDF: 4300584.0/26

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

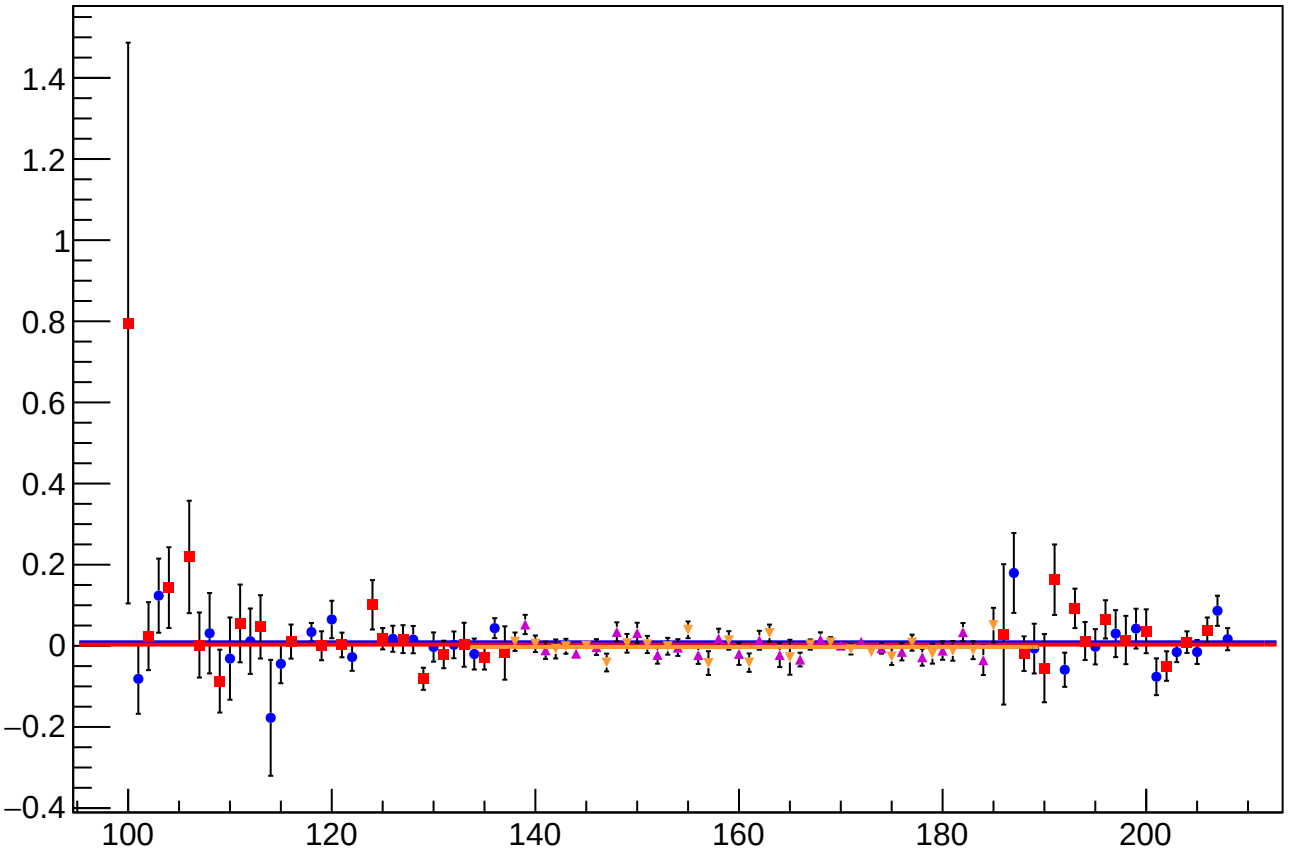
Right Out: 28.477+/-0.006 χ^2/NDF: 5315840.1/30

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.462+/-0.002 χ^2/NDF: 11530048.6/51

All: 17.545+/-0.002 χ^2/NDF: 24848584.8/105

- sign 17.634+/-0.002 χ^2/NDF: 13315929.0/53



Right In: 0.009+/-0.007 χ^2/NDF: 28.5/26

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

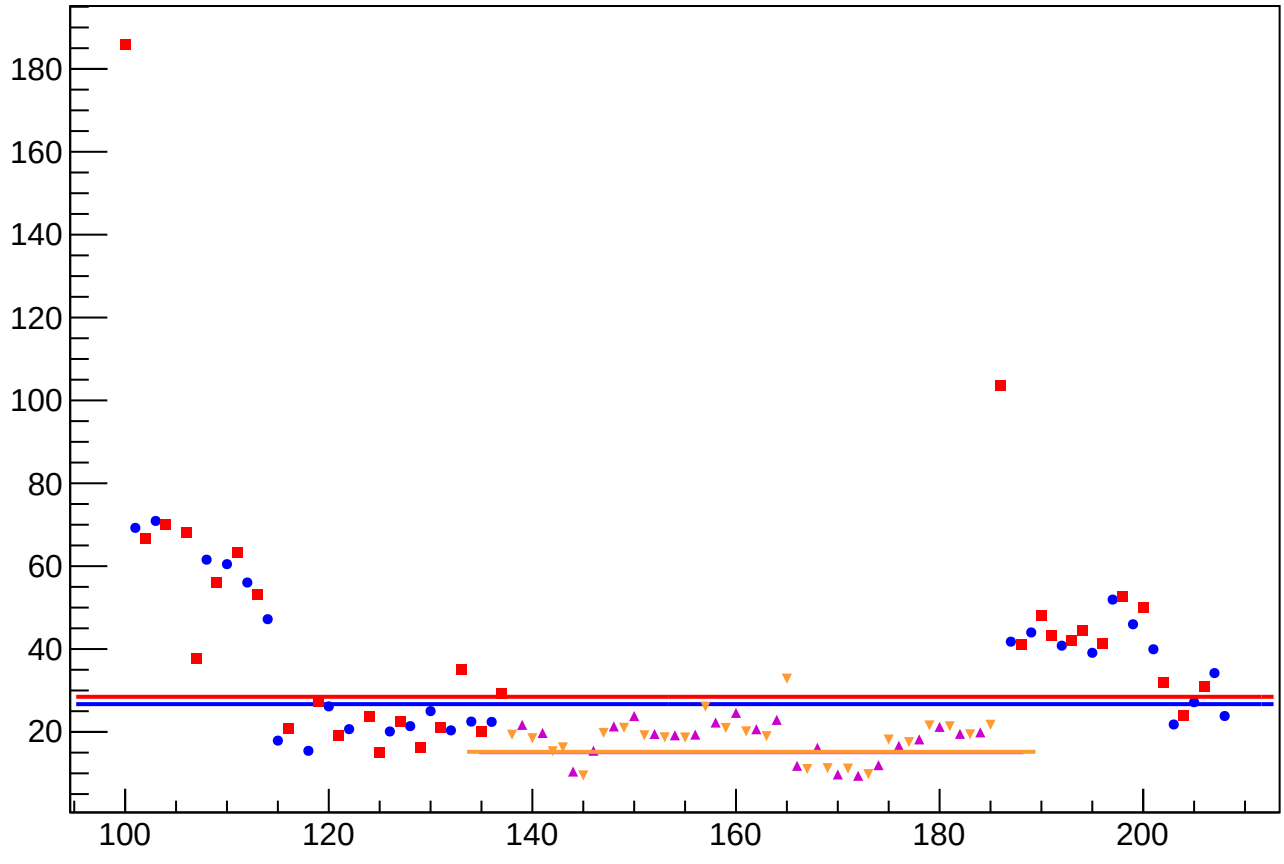
Right Out: 0.003+/-0.008 χ^2/NDF: 35.5/30

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 53.0/51

All: -0.001+/-0.002 χ^2/NDF: 115.8/105

- sign -0.001+/-0.003 χ^2/NDF: 62.8/53



Right In: 26.704+/-0.005 χ^2/NDF: 4300584.0/26

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

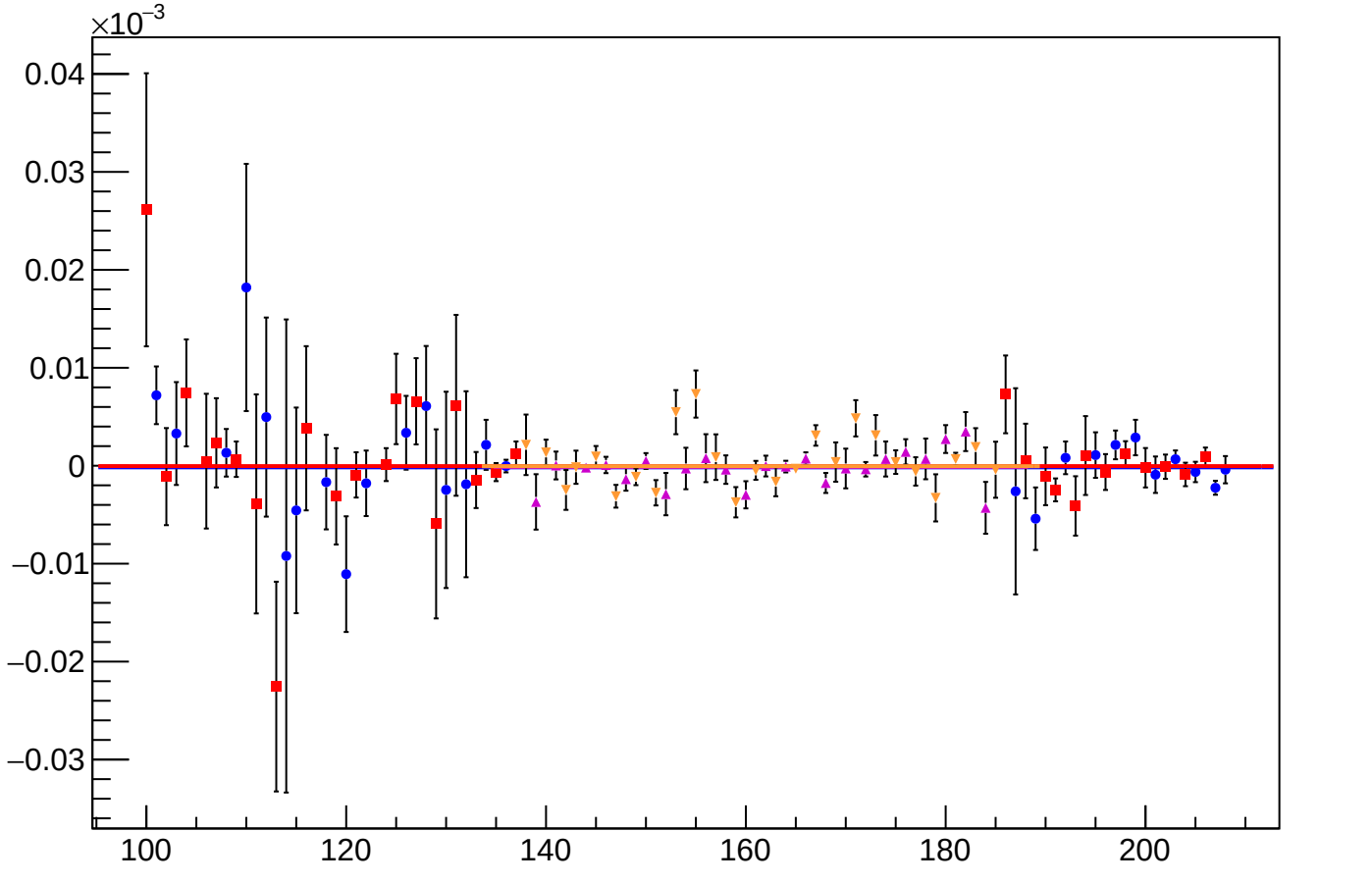
Right Out: 28.477+/-0.006 χ^2/NDF: 5315840.1/30

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.462+/-0.002 χ^2/NDF: 11530048.6/51

All: 17.545+/-0.002 χ^2/NDF: 24848584.8/105

- sign 17.634+/-0.002 χ^2/NDF: 13315929.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 34.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

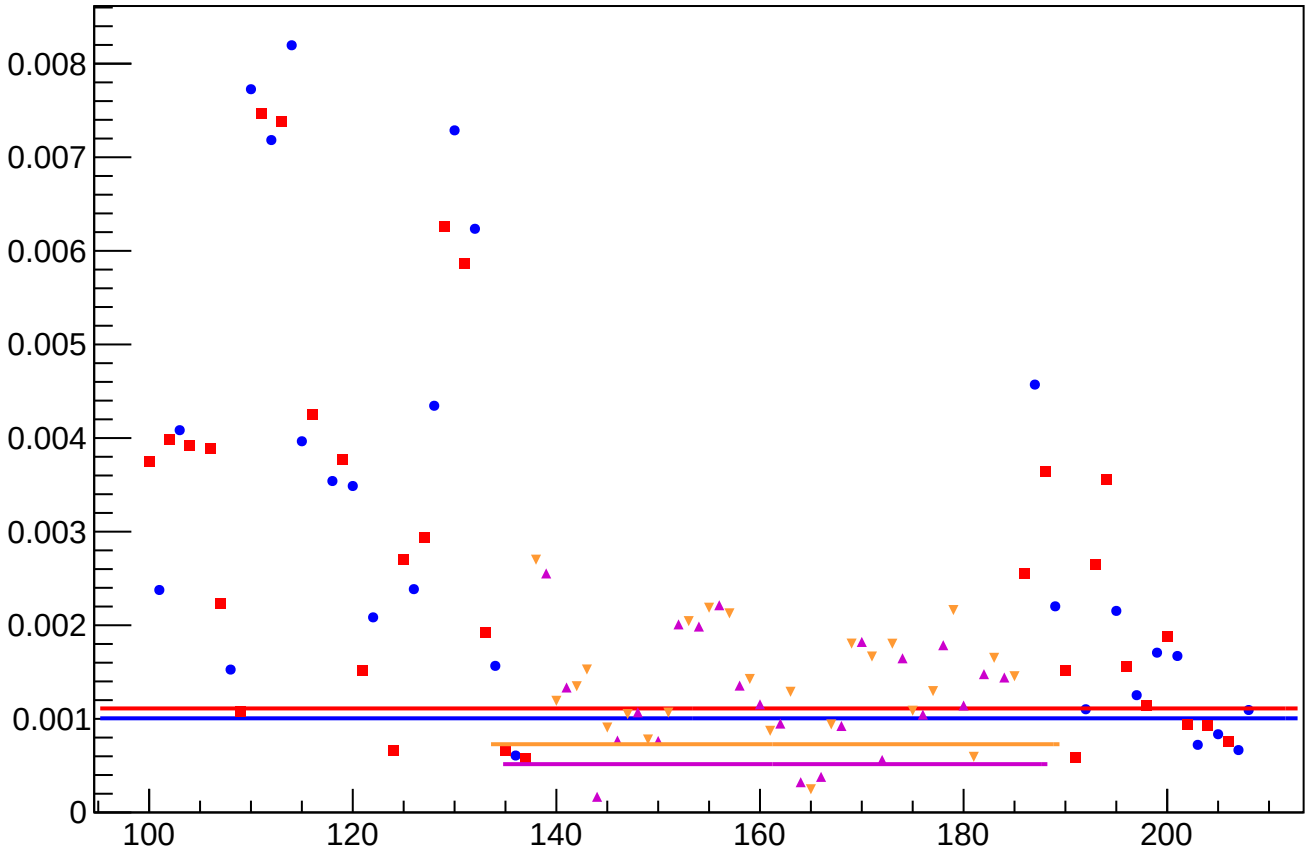
Right Out: -0.000+/-0.000 χ^2/NDF: 30.4/30

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 97.7/51

All: -0.000+/-0.000 χ^2/NDF: 153.7/105

- sign -0.000+/-0.000 χ^2/NDF: 56.0/53



Right In: 0.001+/-0.000 χ^2/NDF: 9407573.4/26

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

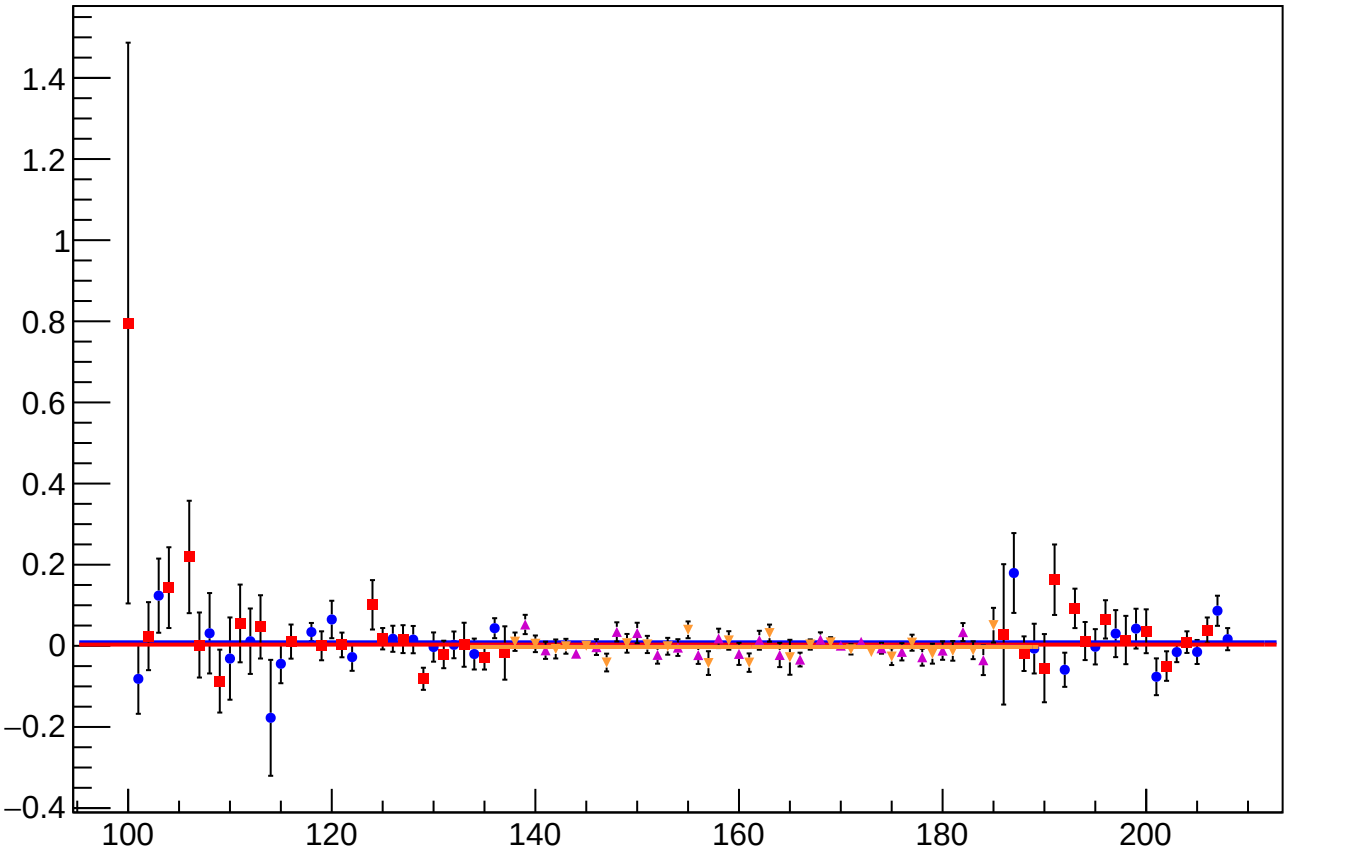
Right Out: 0.001+/-0.000 χ^2/NDF: 10399281.3/30

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 23562461.3/51

All: 0.001+/-0.000 χ^2/NDF: 54622226.5/105

- sign 0.001+/-0.000 χ^2/NDF: 29910860.9/53



Right In: 0.009+/-0.007 χ^2/NDF: 28.5/26

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

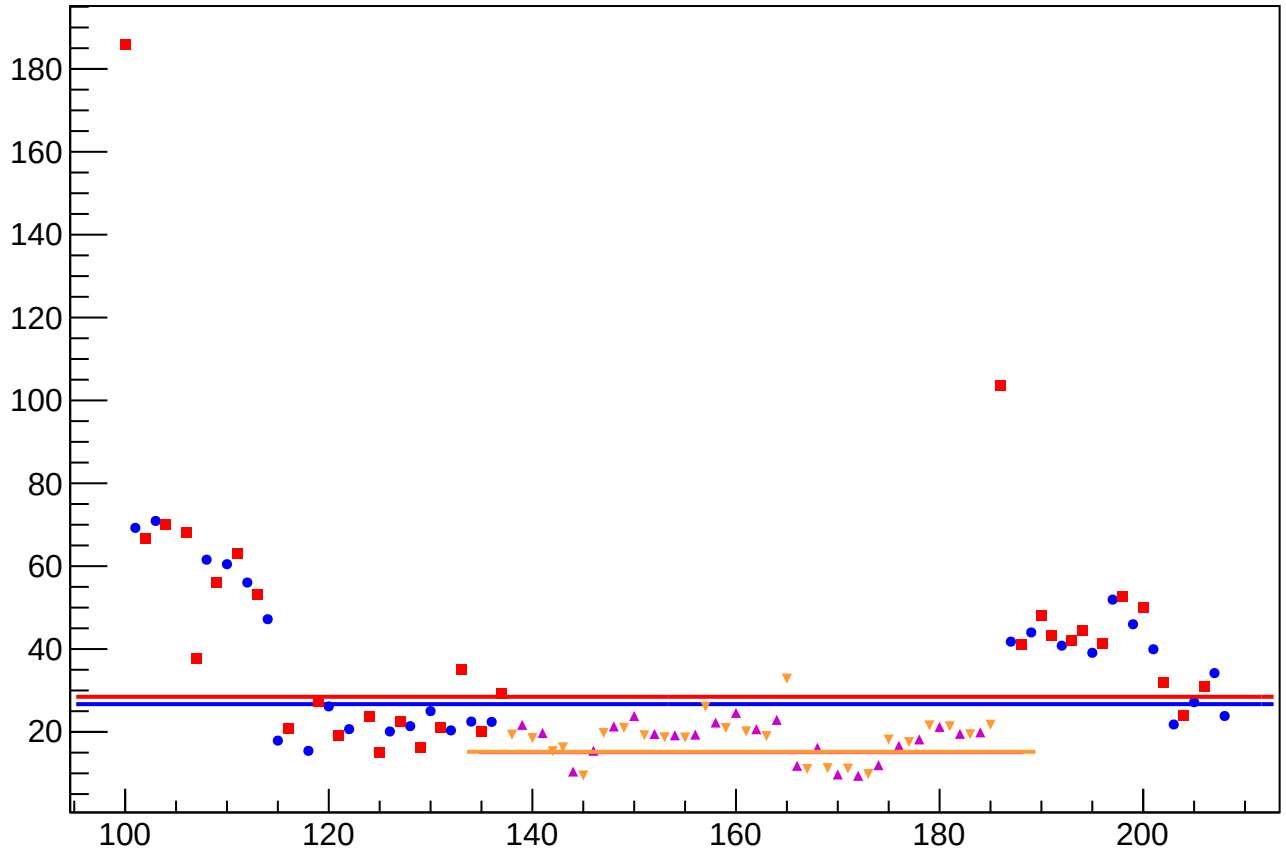
Right Out: 0.003+/-0.008 χ^2/NDF: 35.5/30

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 53.0/51

All: -0.001+/-0.002 χ^2/NDF: 115.8/105

- sign -0.001+/-0.003 χ^2/NDF: 62.8/53



Right In: 26.704+/-0.005 χ^2/NDF: 4300892.0/26

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

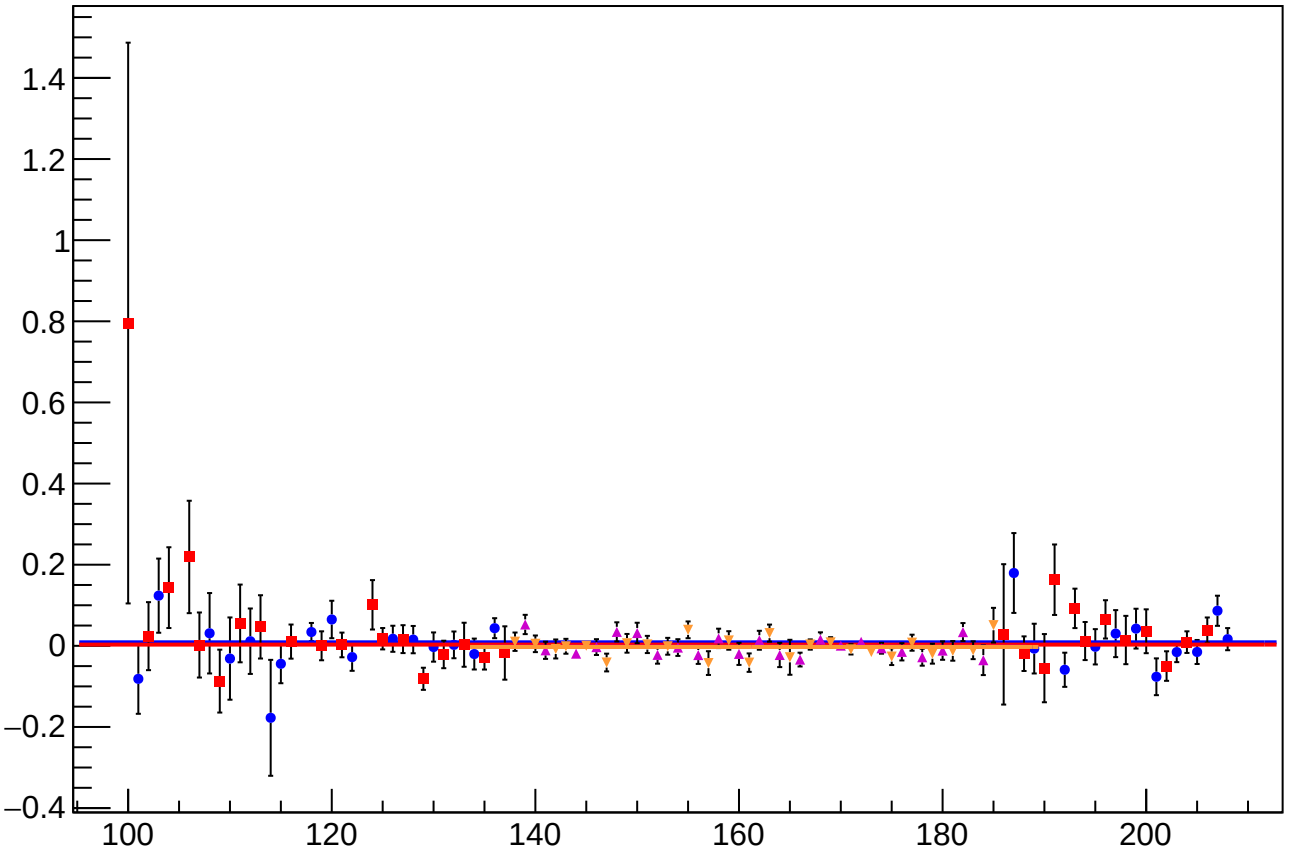
Right Out: 28.476+/-0.006 χ^2/NDF: 5316038.6/30

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.462+/-0.002 χ^2/NDF: 11530038.4/51

All: 17.545+/-0.002 χ^2/NDF: 24848599.7/105

- sign 17.634+/-0.002 χ^2/NDF: 13315951.0/53



Right In: 0.009+/-0.007 χ^2/NDF: 28.5/26

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

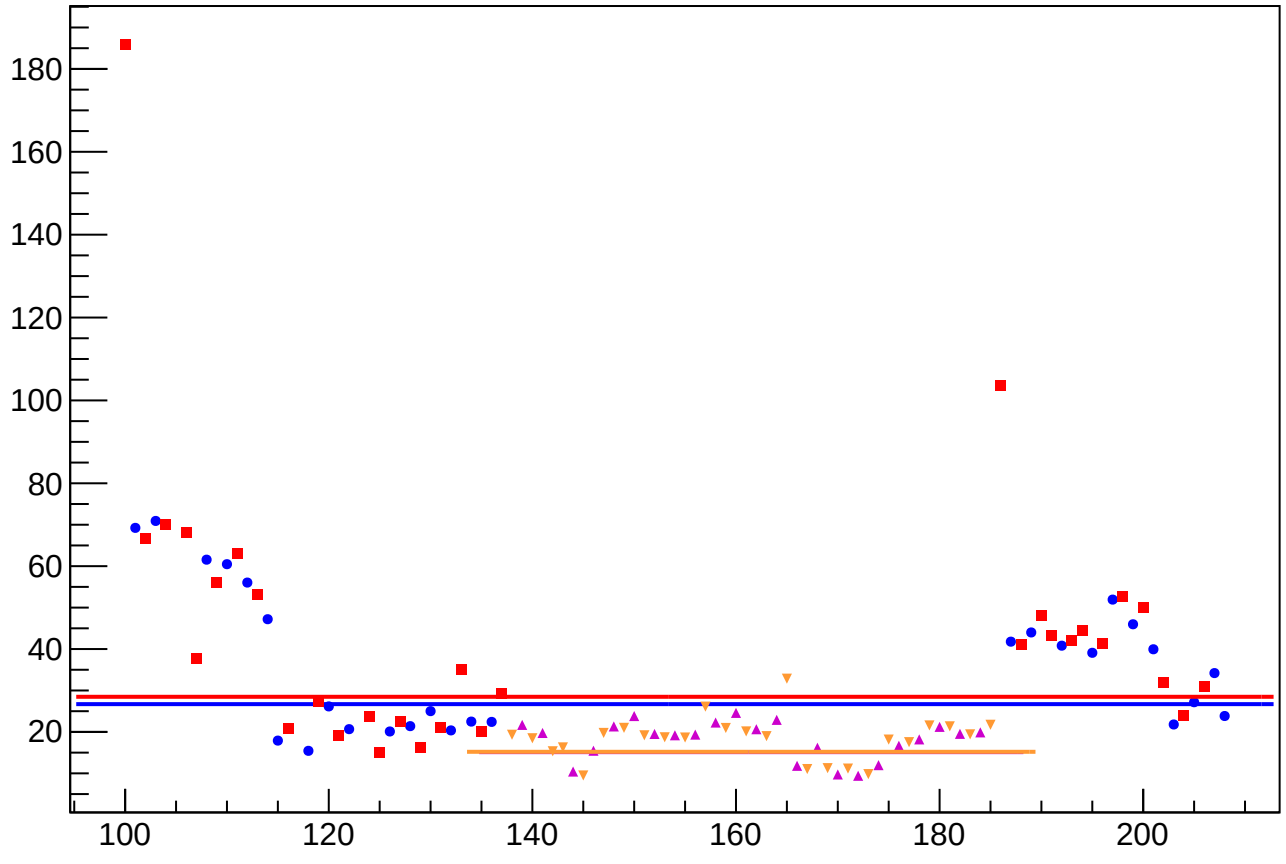
Right Out: 0.003+/-0.008 χ^2/NDF: 35.5/30

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 53.0/51

All: -0.001+/-0.002 χ^2/NDF: 115.8/105

- sign -0.001+/-0.003 χ^2/NDF: 62.8/53



Right In: 26.704+/-0.005 χ^2/NDF: 4300892.0/26

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

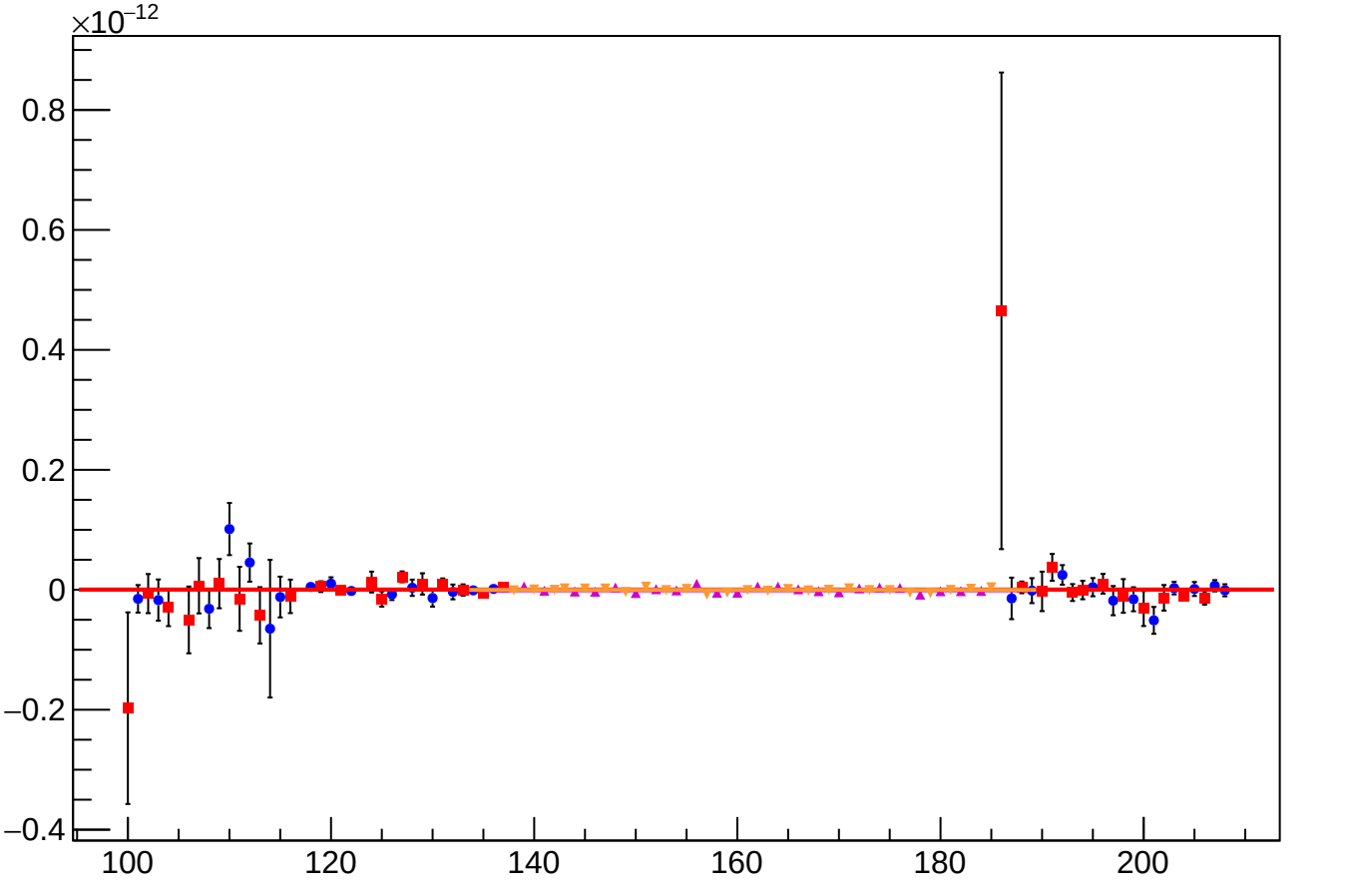
Right Out: 28.476+/-0.006 χ^2/NDF: 5316038.6/30

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.462+/-0.002 χ^2/NDF: 11530038.4/51

All: 17.545+/-0.002 χ^2/NDF: 24848599.7/105

- sign 17.634+/-0.002 χ^2/NDF: 13315951.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

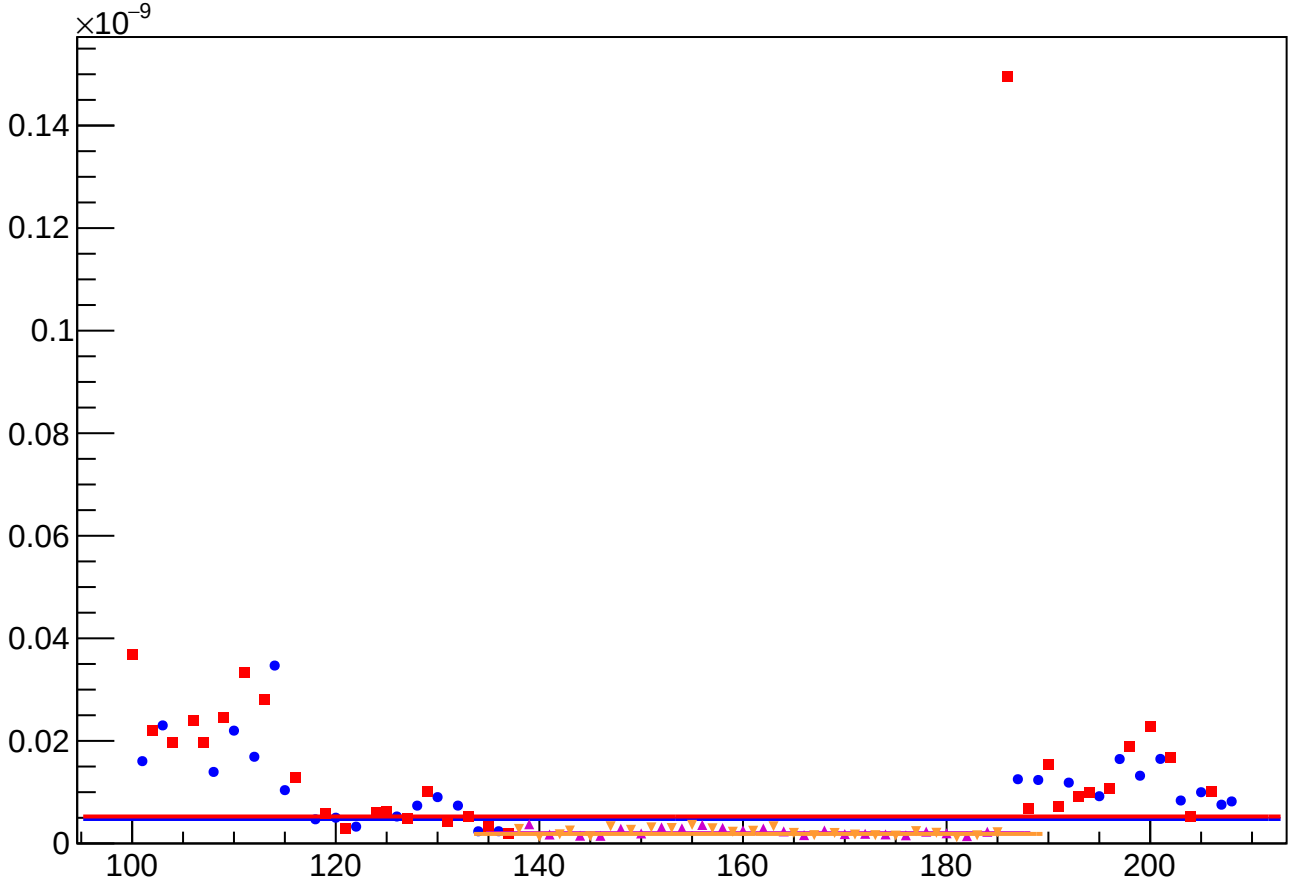
Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/30

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/51

All: -0.000+/-0.000 χ^2/NDF: 110.1/105

- sign -0.000+/-0.000 χ^2/NDF: 65.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 7520341.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8126162.3/30

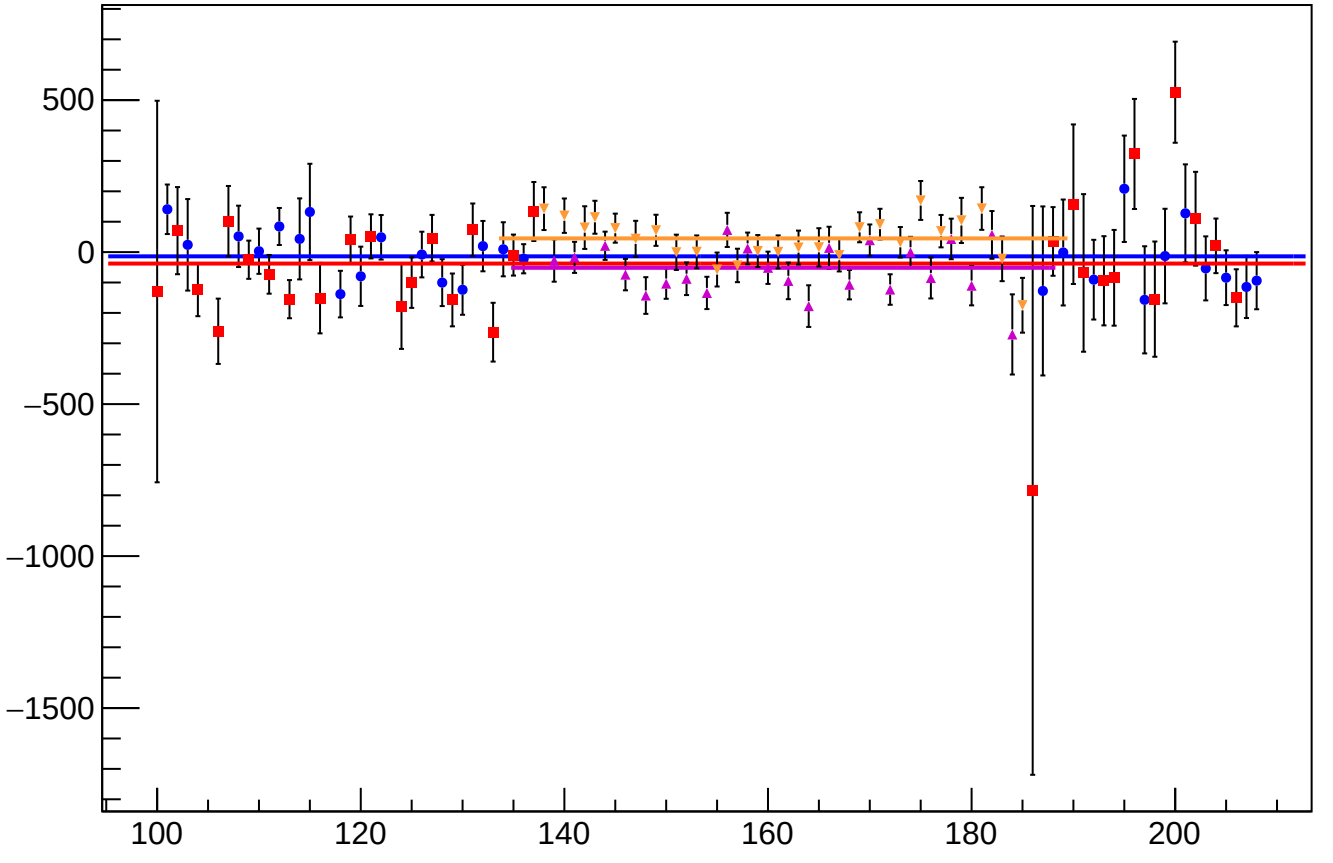
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14740905.7/51

All: 0.000+/-0.000 χ^2/NDF: 29560850.7/105

- sign 0.000+/-0.000 χ^2/NDF: 14729548.3/53

reg_asym_sam_1357_avg_mean vs Slug



Right In: -13.922+/-17.755 χ^2/NDF: 20.9/26

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -37.686+/-17.770 χ^2/NDF: 50.2/30

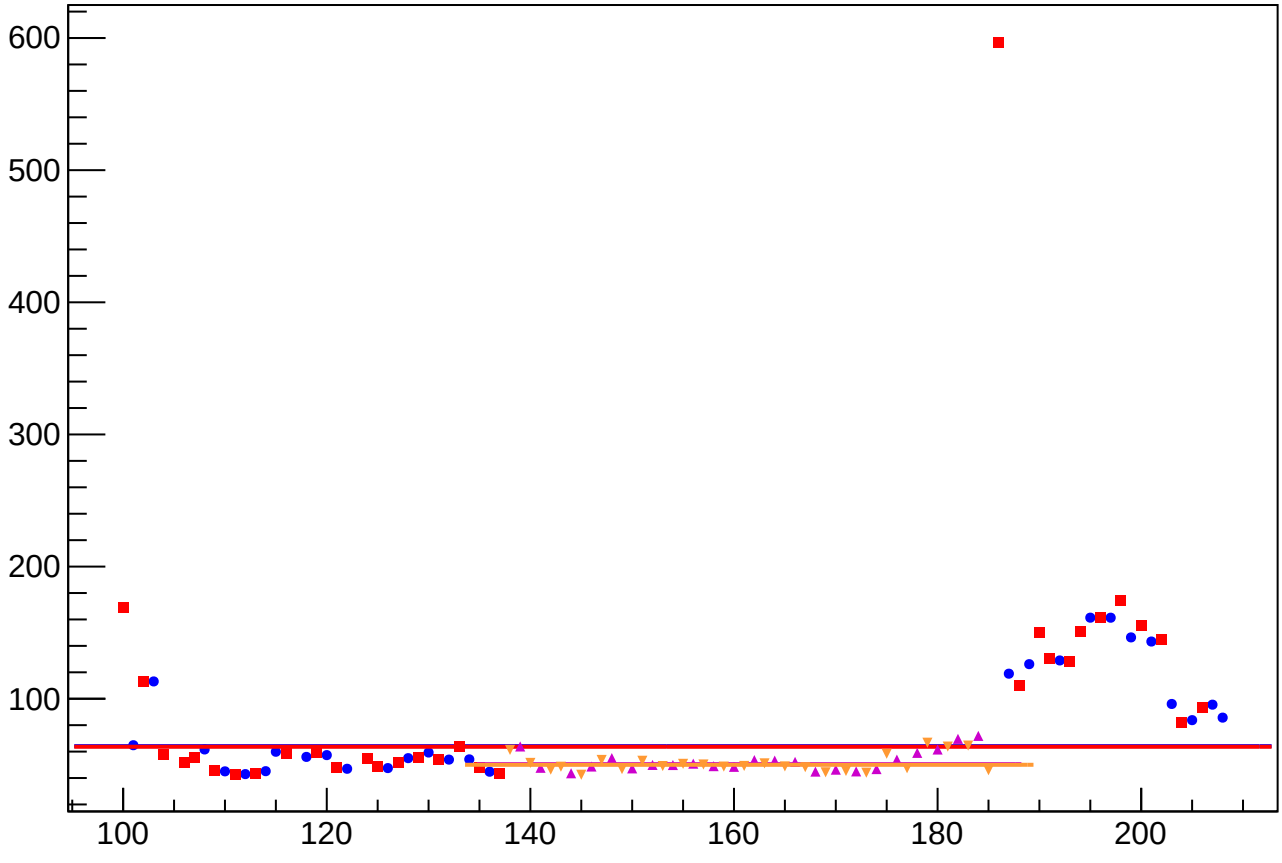
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 27.663+/-9.649 χ^2/NDF: 60.0/51

All: -8.835+/-6.911 χ^2/NDF: 175.9/105

- sign -47.289+/-9.904 χ^2/NDF: 86.5/53

reg_asym_sam_1357_avg_rms vs Slug



Right In: 64.129+/-0.013 χ^2/NDF: 4944315.2/26

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 63.667+/-0.013 χ^2/NDF: 6445646.7/30

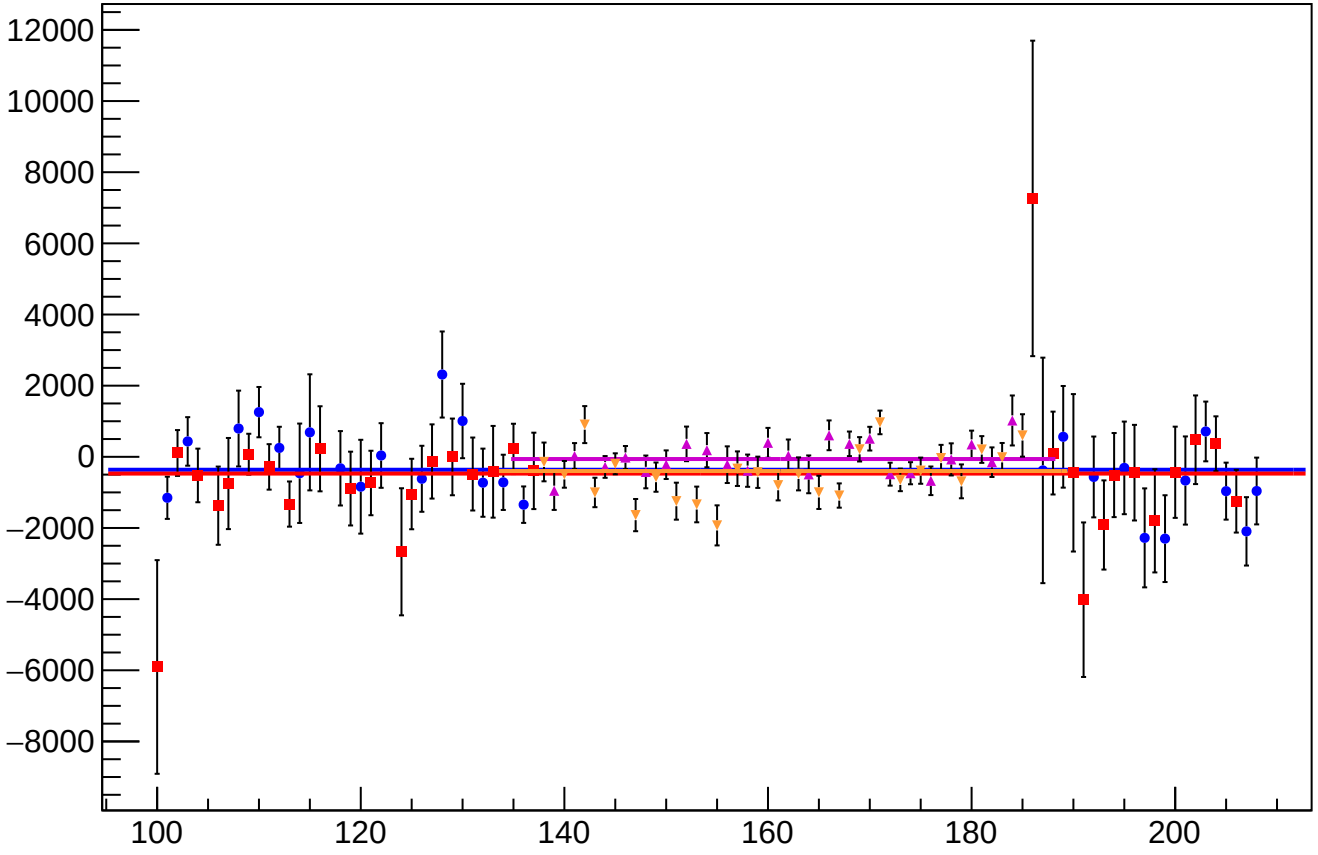
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 54.188+/-0.007 χ^2/NDF: 6343270.2/51

All: 54.388+/-0.005 χ^2/NDF: 14049687.0/105

- sign 54.599+/-0.007 χ^2/NDF: 7704651.2/53

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -363.337+/-175.145 χ^2/NDF: 32.9/26

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

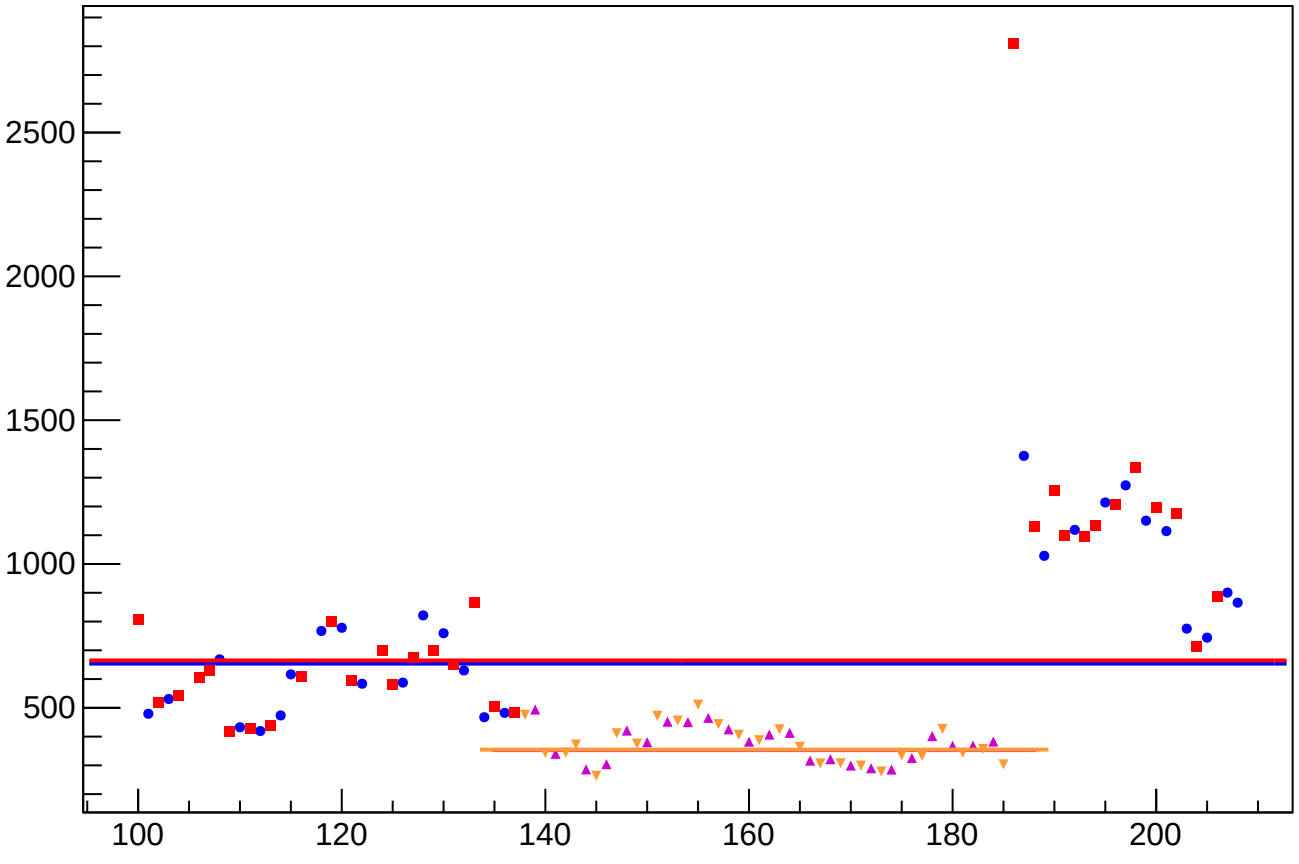
Right Out: -471.057+/-177.168 χ^2/NDF: 22.0/30

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -392.878+/-74.311 χ^2/NDF: 98.3/51

All: -267.489+/-53.072 χ^2/NDF: 154.4/105

- sign -136.951+/-75.822 χ^2/NDF: 50.3/53



Right In: 653.752+/-0.124 χ^2/NDF: 3494782.7/26

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 664.632+/-0.125 χ^2/NDF: 4483738.6/30

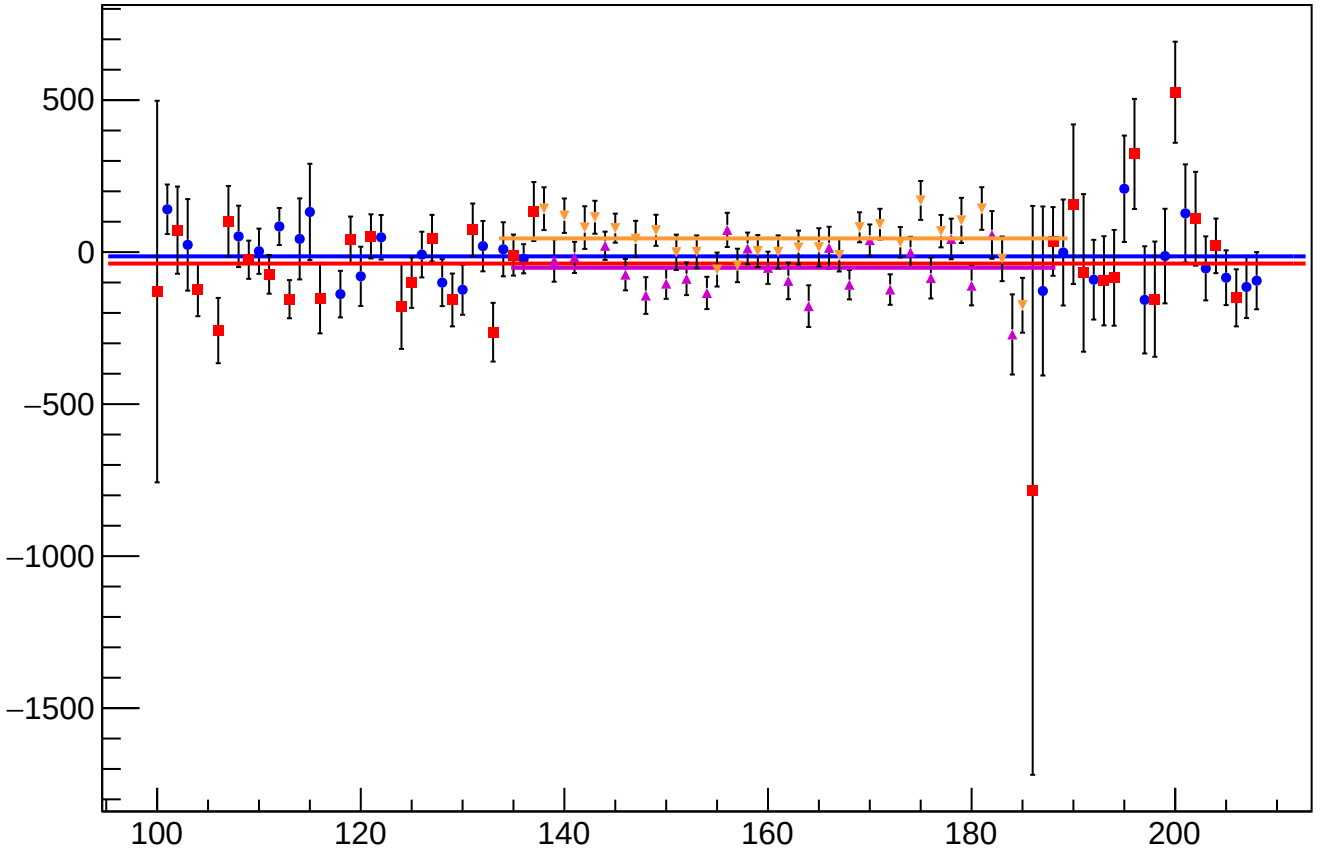
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 408.509+/-0.053 χ^2/NDF: 9422377.5/51

All: 409.321+/-0.038 χ^2/NDF: 19961736.8/10

- sign 410.166+/-0.054 χ^2/NDF: 10538872.2/53

cor_asym_sam_1357_avg_mean vs Slug



Right In: -13.927+/-17.755 χ^2/NDF: 20.9/26

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -37.591+/-17.770 χ^2/NDF: 50.1/30

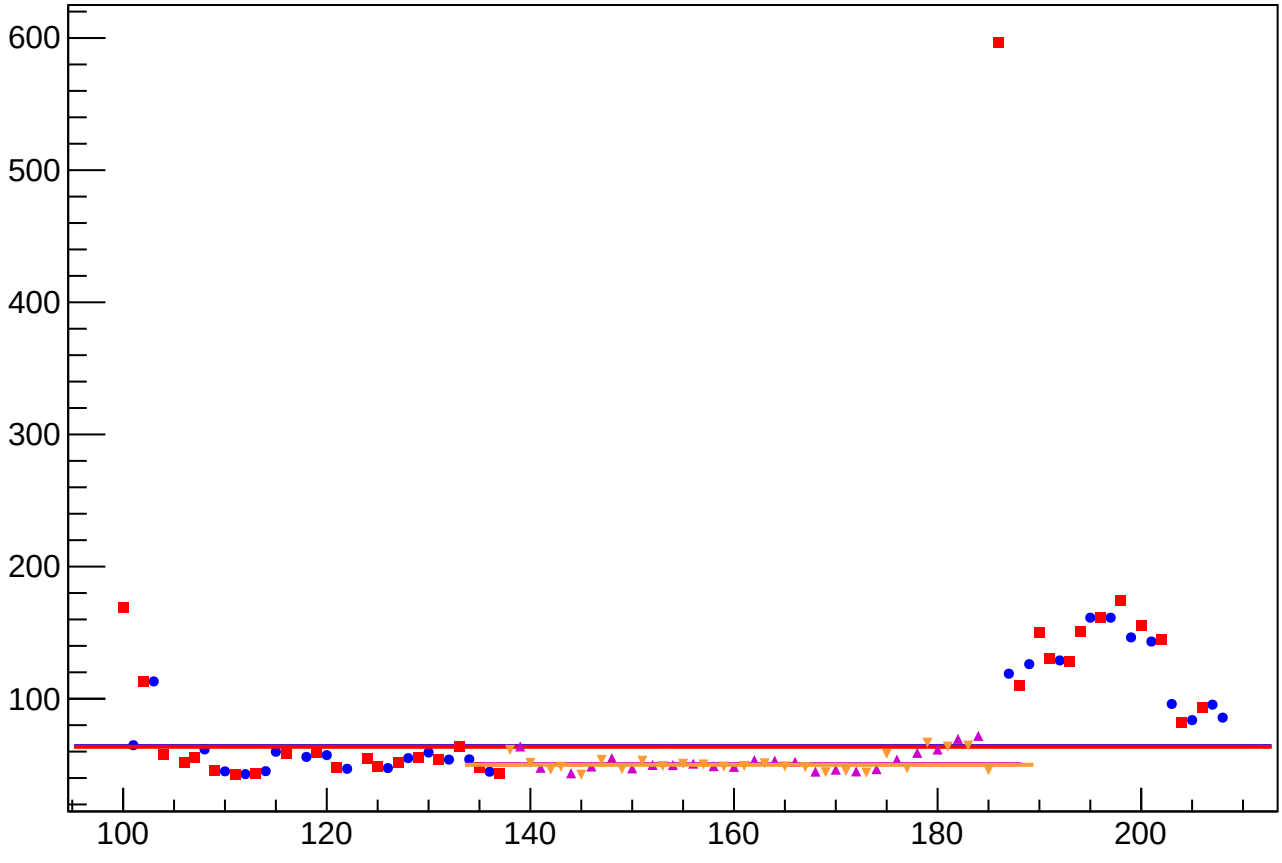
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 27.664+/-9.649 χ^2/NDF: 60.0/51

All: -8.820+/-6.911 χ^2/NDF: 175.8/105

- sign -47.259+/-9.904 χ^2/NDF: 86.4/53

cor_asym_sam_1357_avg_rms vs Slug



Right In: 64.129+/-0.013 χ^2/NDF: 4944317.5/26

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 63.659+/-0.013 χ^2/NDF: 6447124.2/30

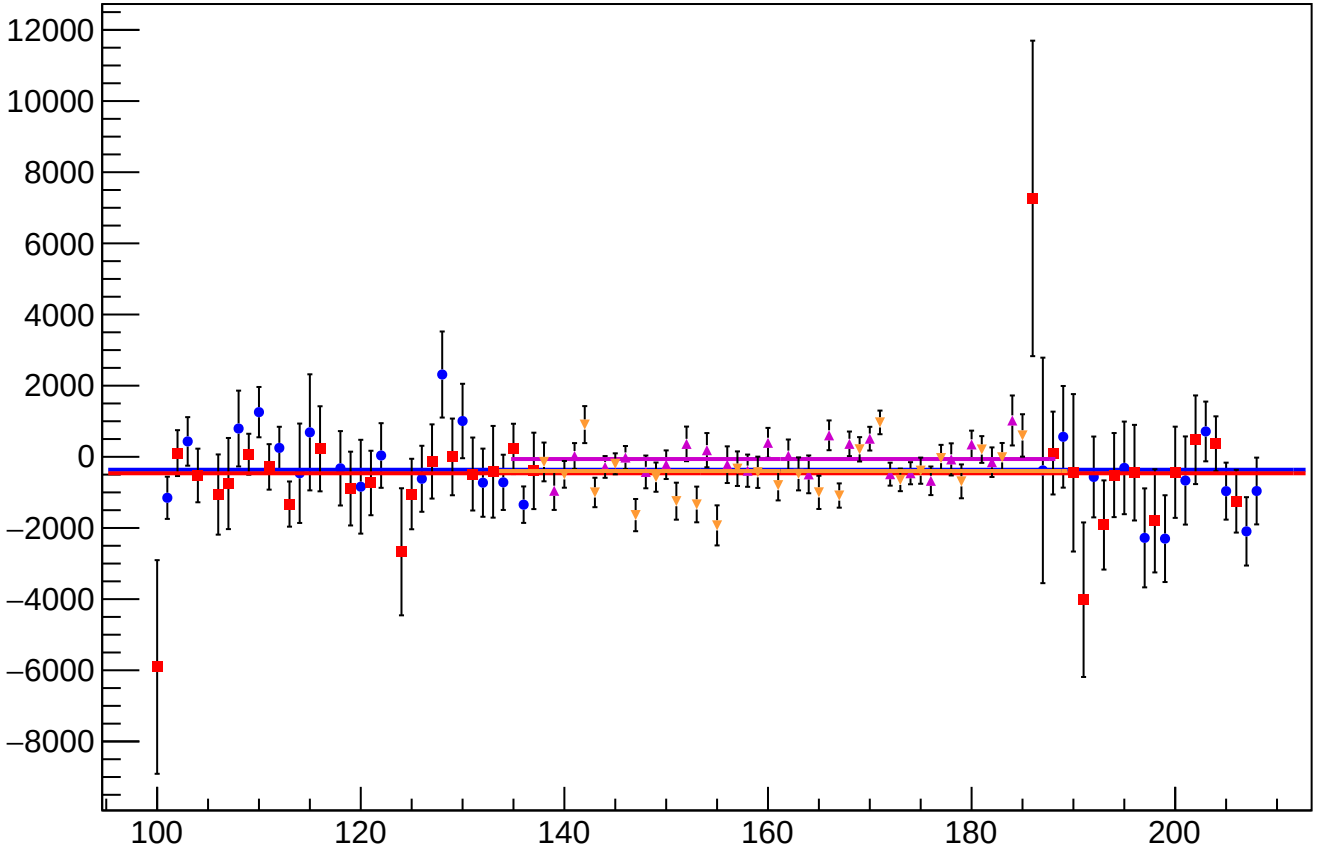
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

\+ sign 54.188+/-0.007 χ^2/NDF: 6343272.5/51

All: 54.387+/-0.005 χ^2/NDF: 14050211.3/105

\- sign 54.596+/-0.007 χ^2/NDF: 7705195.2/53

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -363.324+/-175.146 χ^2/NDF: 32.9/26

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

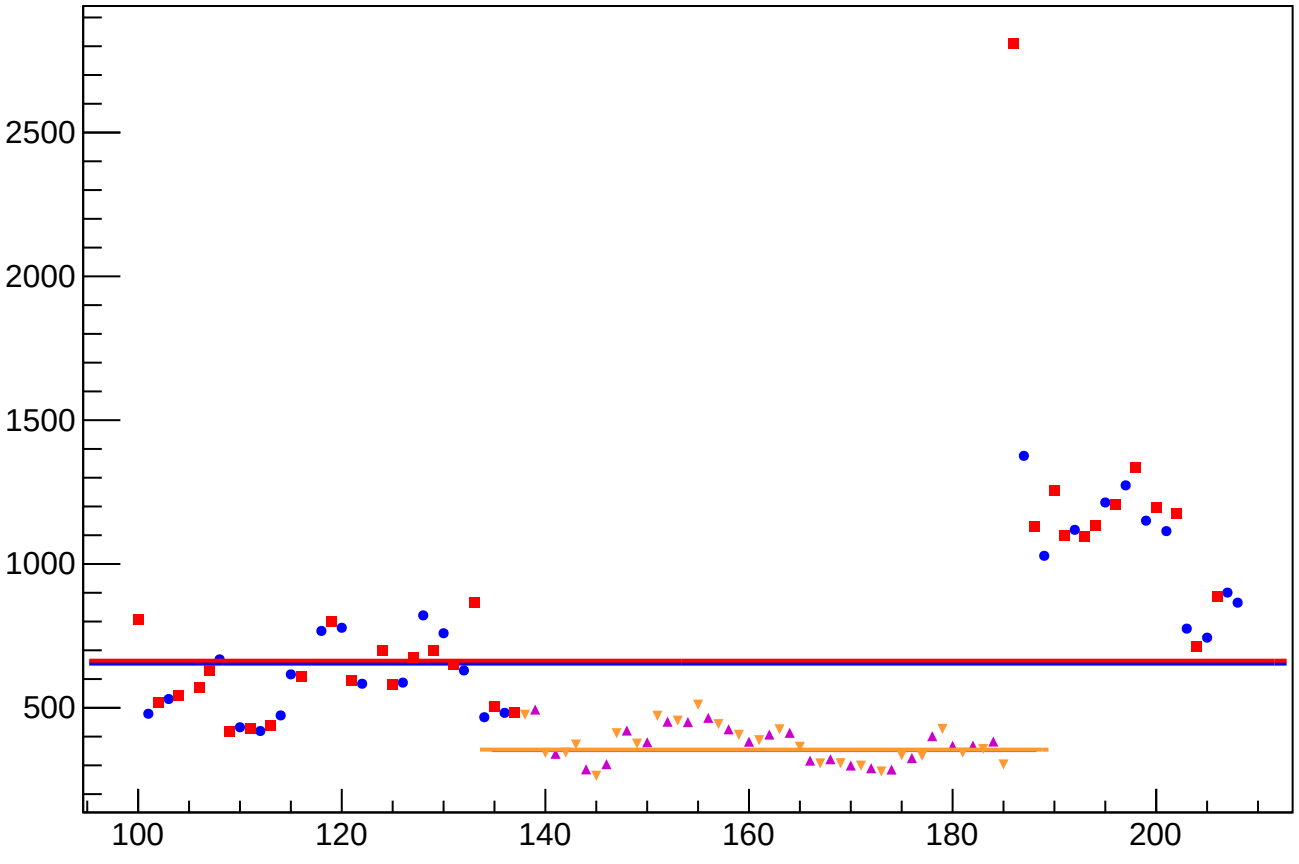
Right Out: -462.509+/-177.295 χ^2/NDF: 21.6/30

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -392.872+/-74.311 χ^2/NDF: 98.3/51

All: -266.693+/-53.075 χ^2/NDF: 153.8/105

- sign -135.300+/-75.831 χ^2/NDF: 49.7/53



Right In: 653.758+/-0.124 χ^2/NDF: 3494709.6/26

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 663.888+/-0.125 χ^2/NDF: 4491054.5/30

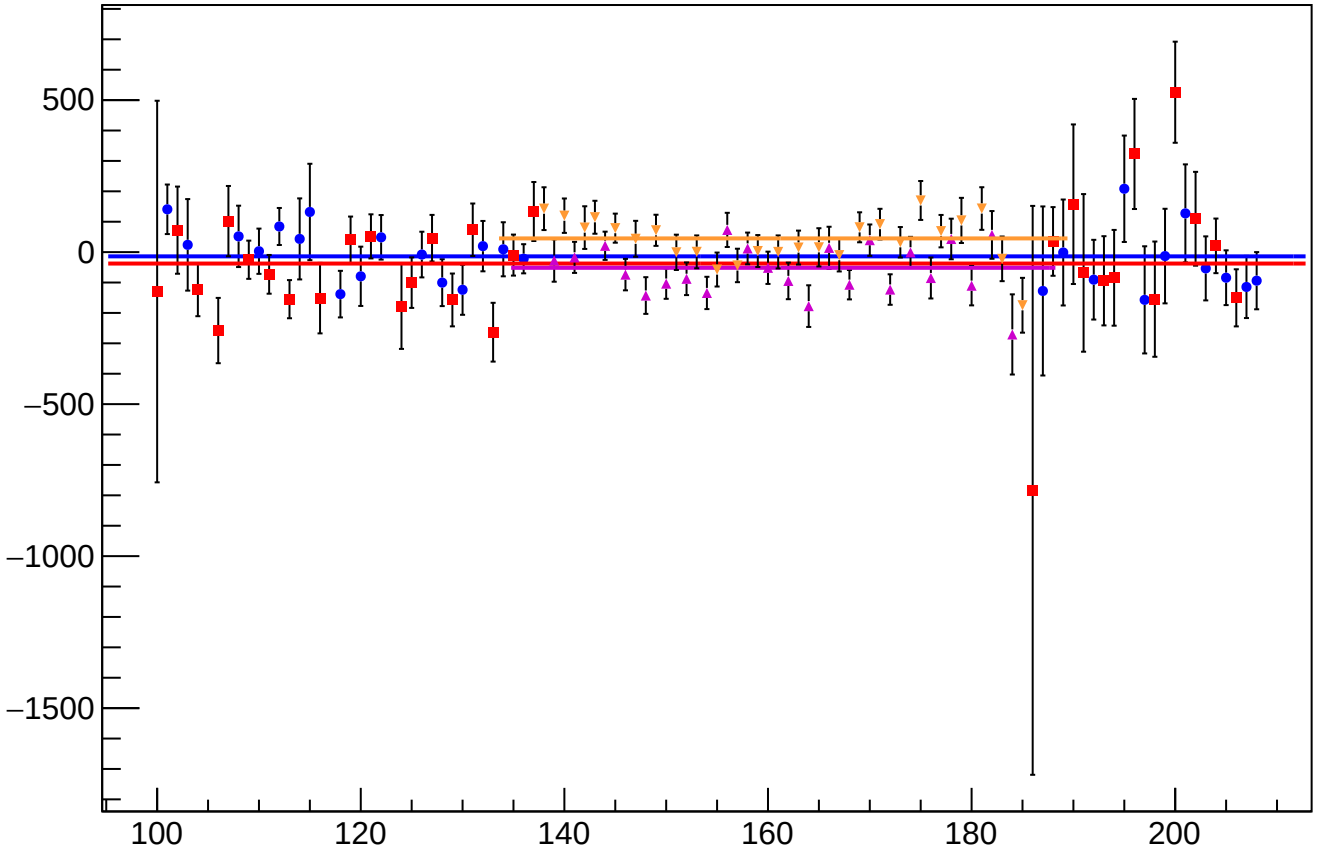
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 408.510+/-0.053 χ^2/NDF: 9422432.3/51

All: 409.222+/-0.038 χ^2/NDF: 19939027.7/10

- sign 409.963+/-0.054 χ^2/NDF: 10516220.4/53

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -13.927+/-17.755 χ^2/NDF: 20.9/26

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -37.591+/-17.770 χ^2/NDF: 50.1/30

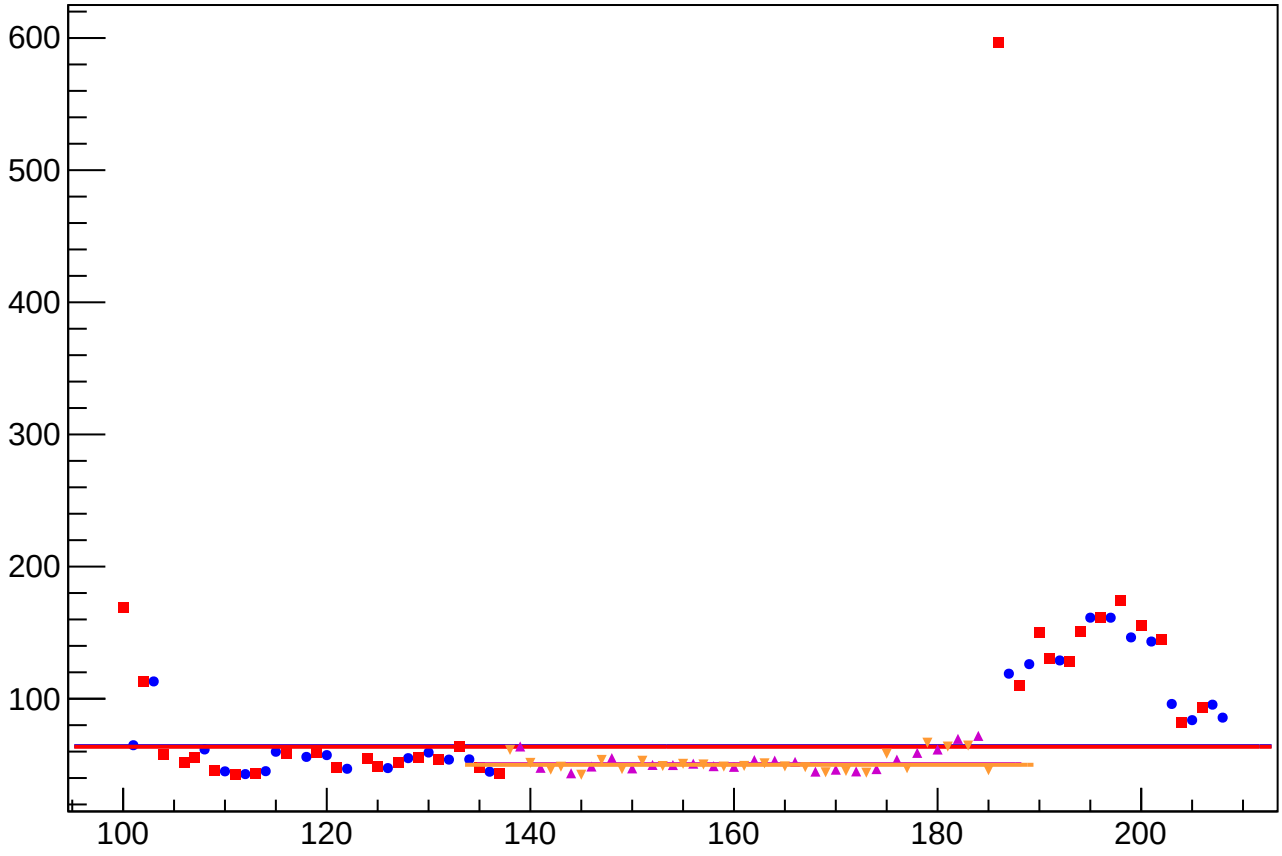
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 27.664+/-9.649 χ^2/NDF: 60.0/51

All: -8.820+/-6.911 χ^2/NDF: 175.8/105

- sign -47.259+/-9.904 χ^2/NDF: 86.4/53

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 64.129+/-0.013 χ^2/NDF: 4944317.5/26

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

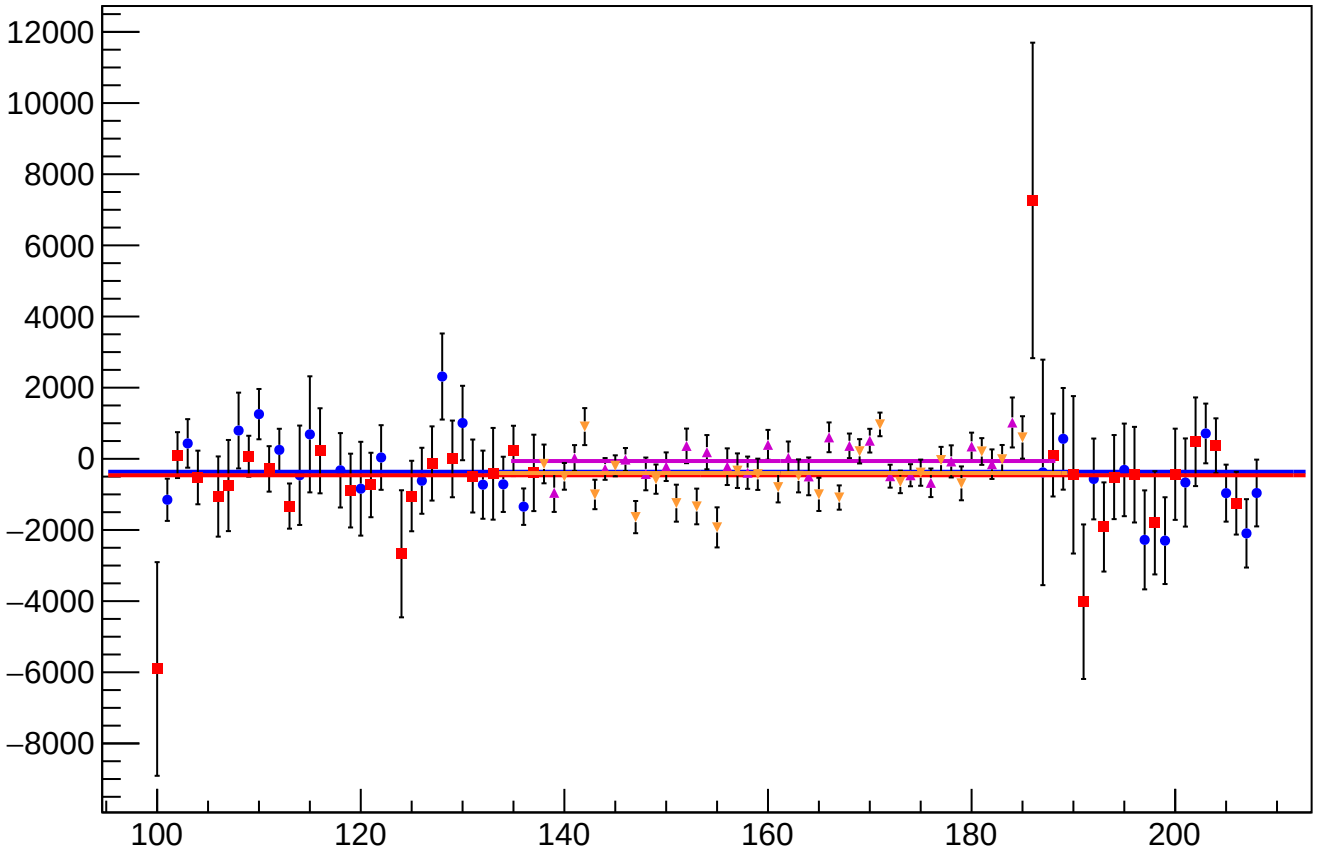
Right Out: 63.659+/-0.013 χ^2/NDF: 6447124.2/30

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 54.188+/-0.007 χ^2/NDF: 6343272.5/51

All: 54.387+/-0.005 χ^2/NDF: 14050211.3/105

- sign 54.596+/-0.007 χ^2/NDF: 7705195.2/53



Right In: -363.324+/-175.146 χ^2/NDF: 32.9/26

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

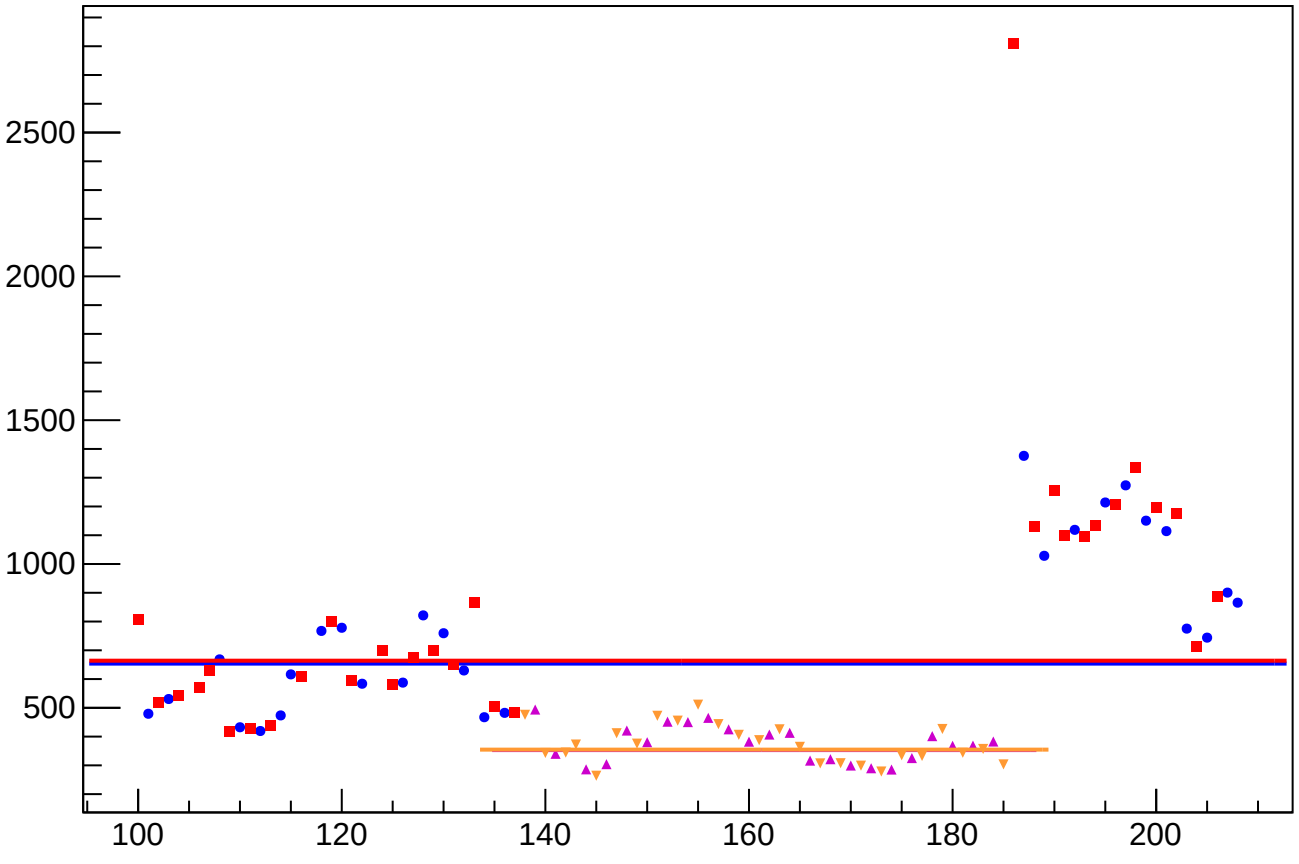
Right Out: -462.509+/-177.295 χ^2/NDF: 21.6/30

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -392.872+/-74.311 χ^2/NDF: 98.3/51

All: -266.693+/-53.075 χ^2/NDF: 153.8/105

- sign -135.300+/-75.831 χ^2/NDF: 49.7/53



Right In: 653.758+/-0.124 χ^2/NDF: 3494709.6/26

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 663.888+/-0.125 χ^2/NDF: 4491054.5/30

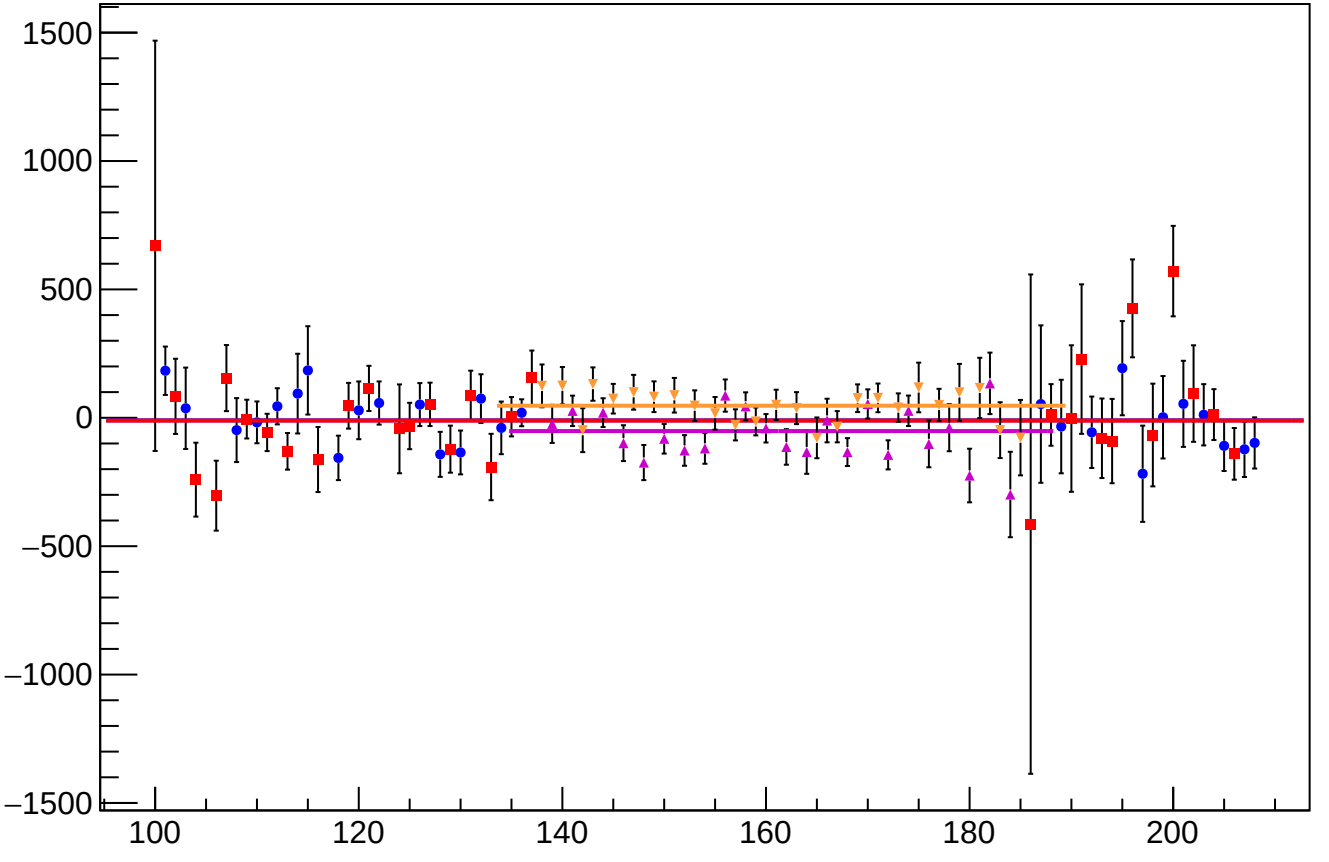
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 408.510+/-0.053 χ^2/NDF: 9422432.3/51

All: 409.222+/-0.038 χ^2/NDF: 19939027.7/10

- sign 409.963+/-0.054 χ^2/NDF: 10516220.4/53

dit_asym_sam_1357_avg_mean vs Slug



Right In: -10.008+/-19.745 χ^2/NDF: 22.2/26

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -10.817+/-20.345 χ^2/NDF: 44.2/30

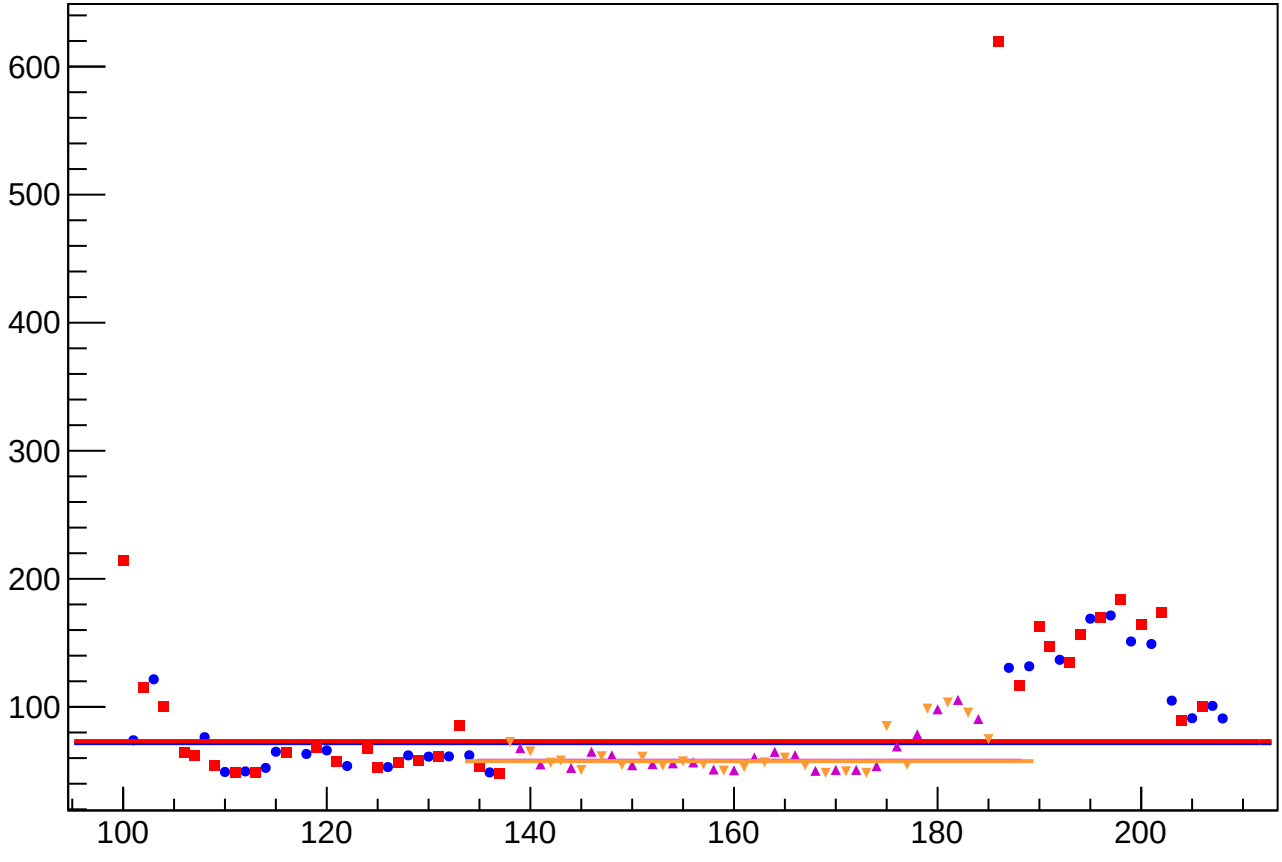
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 28.921+/-11.151 χ^2/NDF: 44.9/51

All: -3.816+/-8.004 χ^2/NDF: 147.9/105

- sign -38.613+/-11.496 χ^2/NDF: 85.2/53

dit_asym_sam_1357_avg_rms vs Slug



Right In: 71.688+/-0.014 χ^2/NDF: 4501087.2/26

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 73.314+/-0.014 χ^2/NDF: 5993186.6/30

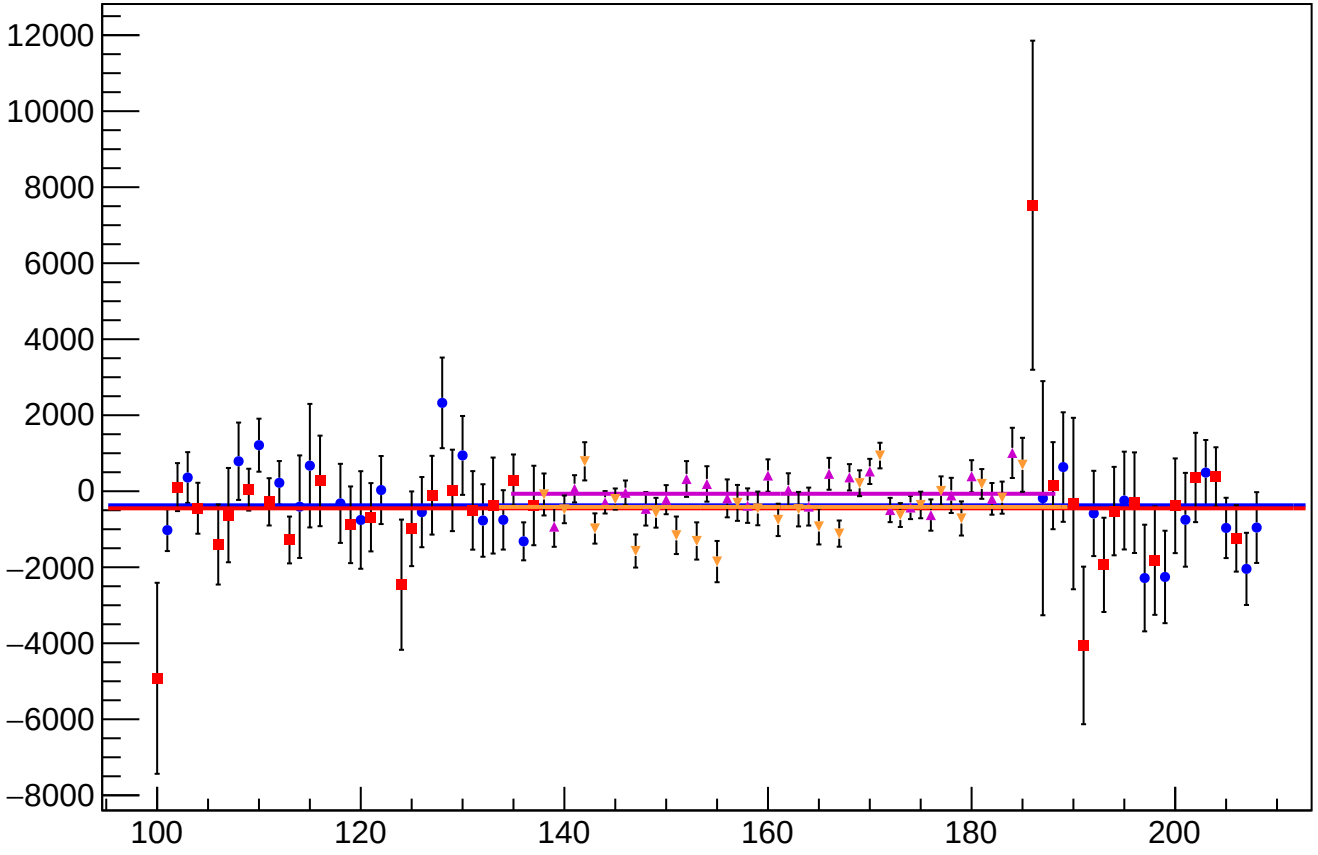
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 62.114+/-0.008 χ^2/NDF: 6556919.9/51

All: 62.470+/-0.006 χ^2/NDF: 14456299.5/105

- sign 62.849+/-0.008 χ^2/NDF: 7895167.5/53

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -370.565+/-171.787 χ^2/NDF: 31.5/26

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -449.839+/-172.051 χ^2/NDF: 22.8/30

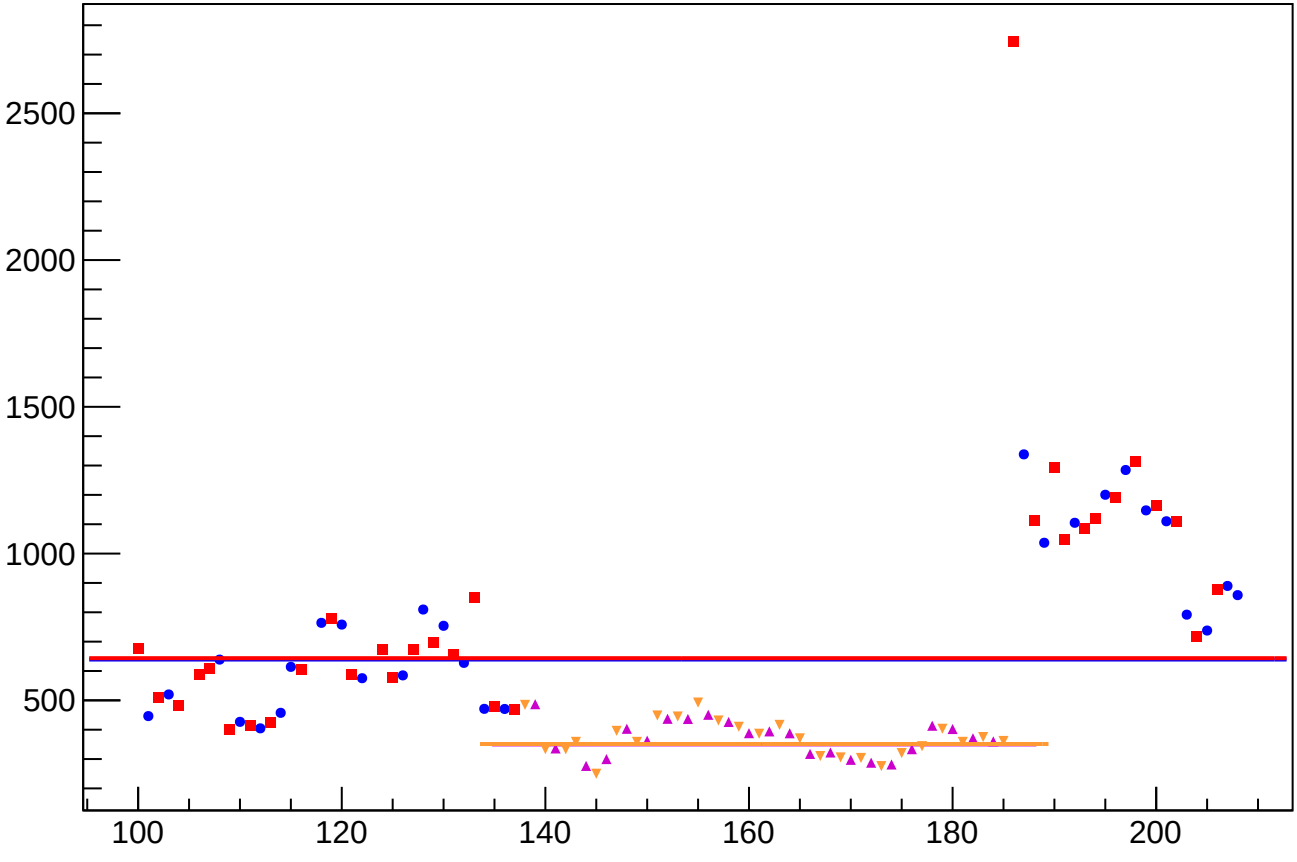
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

\+ sign -405.304+/-73.363 χ^2/NDF: 92.9/51

All: -274.809+/-52.382 χ^2/NDF: 149.1/105

\- sign -139.097+/-74.816 χ^2/NDF: 49.7/53

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 639.061+/-0.121 χ^2/NDF: 3702835.3/26

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 643.648+/-0.122 χ^2/NDF: 4666224.5/30

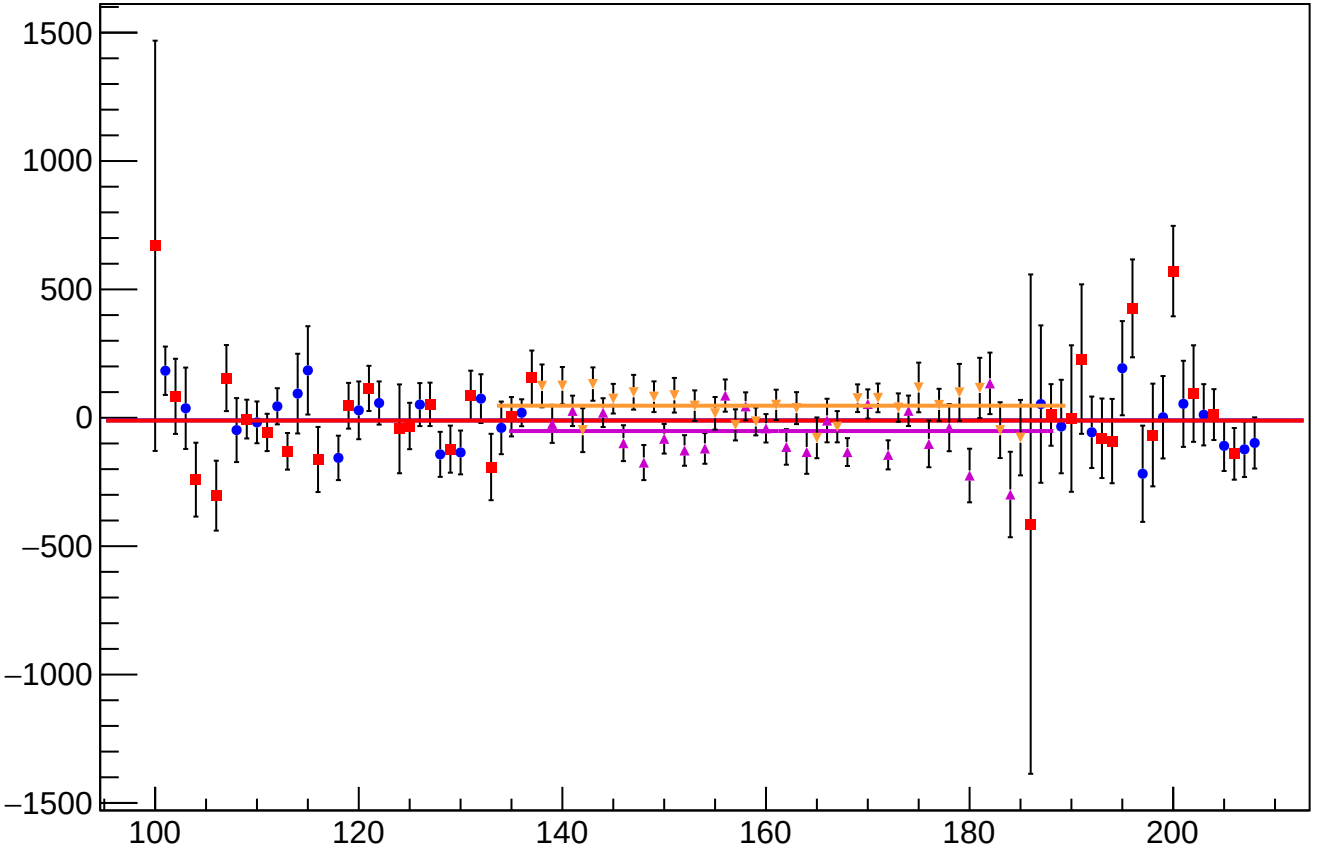
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 403.753+/-0.052 χ^2/NDF: 9410681.3/51

All: 404.548+/-0.037 χ^2/NDF: 19798133.3/10

- sign 405.375+/-0.053 χ^2/NDF: 10386973.1/53

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: -10.008+/-19.745 χ^2/NDF: 22.2/26

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -10.815+/-20.345 χ^2/NDF: 44.2/30

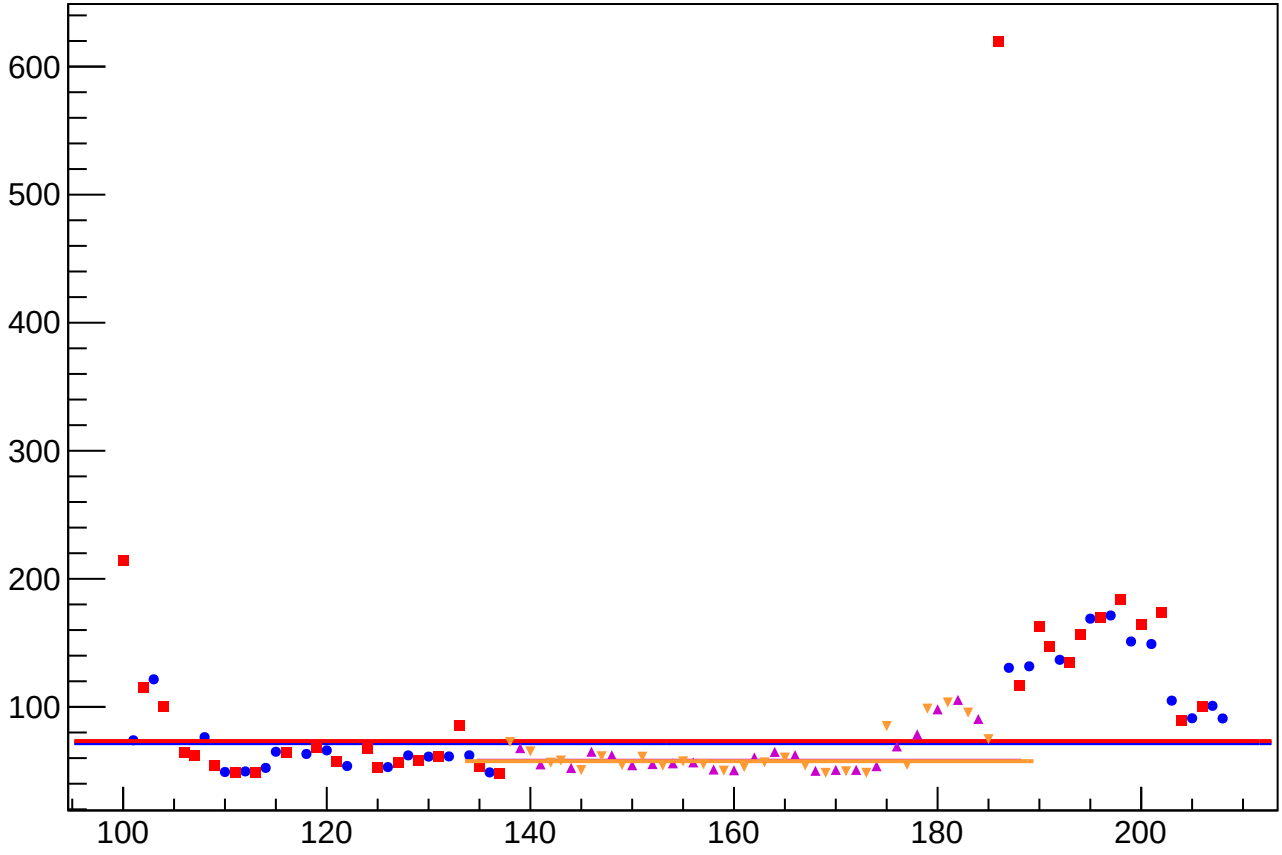
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 28.922+/-11.151 χ^2/NDF: 44.9/51

All: -3.816+/-8.004 χ^2/NDF: 147.9/105

- sign -38.613+/-11.496 χ^2/NDF: 85.2/53

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 71.688+/-0.014 χ^2/NDF: 4501065.3/26

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

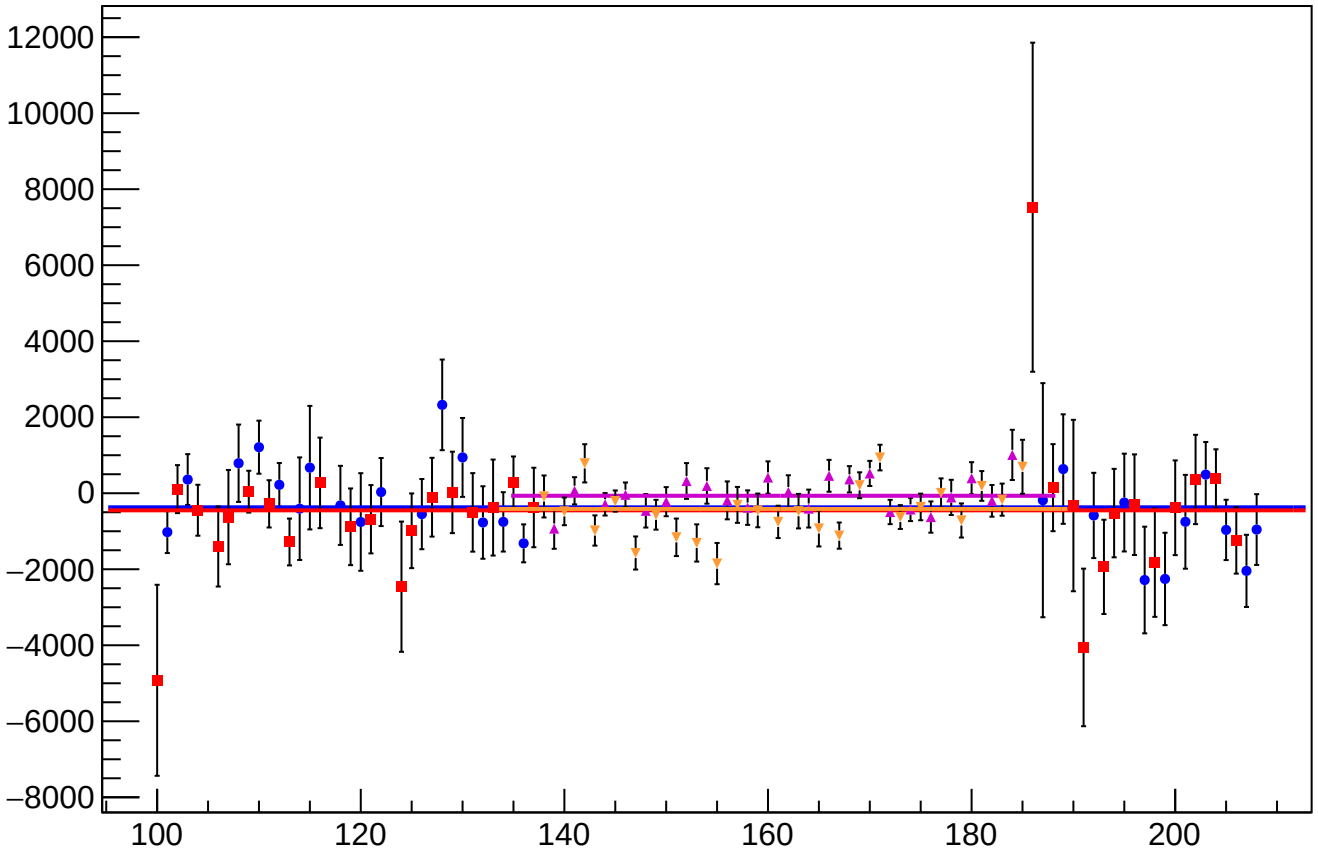
Right Out: 73.314+/-0.014 χ^2/NDF: 5993174.6/30

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 62.114+/-0.008 χ^2/NDF: 6556891.8/51

All: 62.470+/-0.006 χ^2/NDF: 14456245.7/105

- sign 62.849+/-0.008 χ^2/NDF: 7895141.4/53



Right In: -370.565+/-171.786 χ^2/NDF: 31.5/26

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

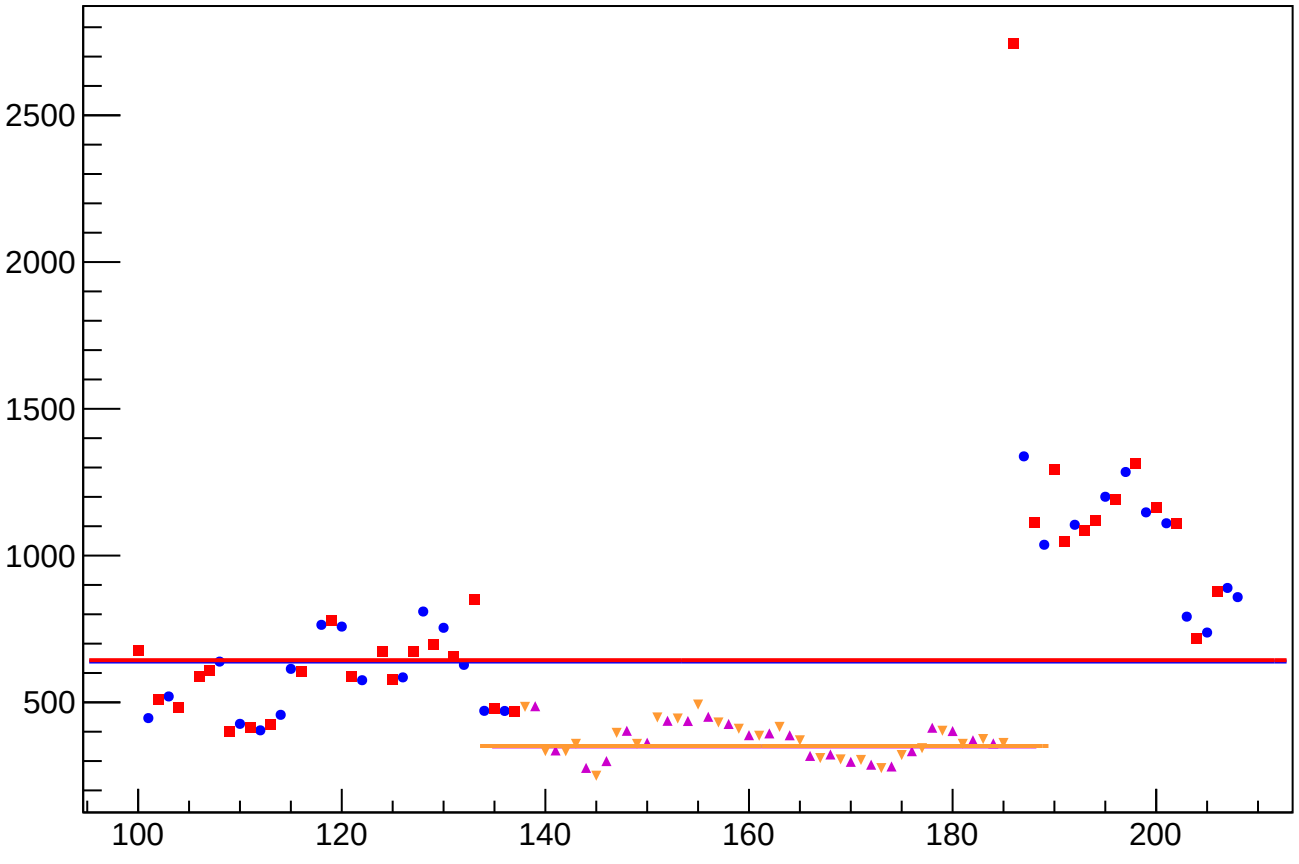
Right Out: -449.838+/-172.050 χ^2/NDF: 22.8/30

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -405.304+/-73.363 χ^2/NDF: 92.9/51

All: -274.809+/-52.382 χ^2/NDF: 149.1/105

- sign -139.097+/-74.815 χ^2/NDF: 49.7/53



Right In: 639.060+/-0.121 χ^2/NDF: 3702844.9/26

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 643.646+/-0.122 χ^2/NDF: 4666229.3/30

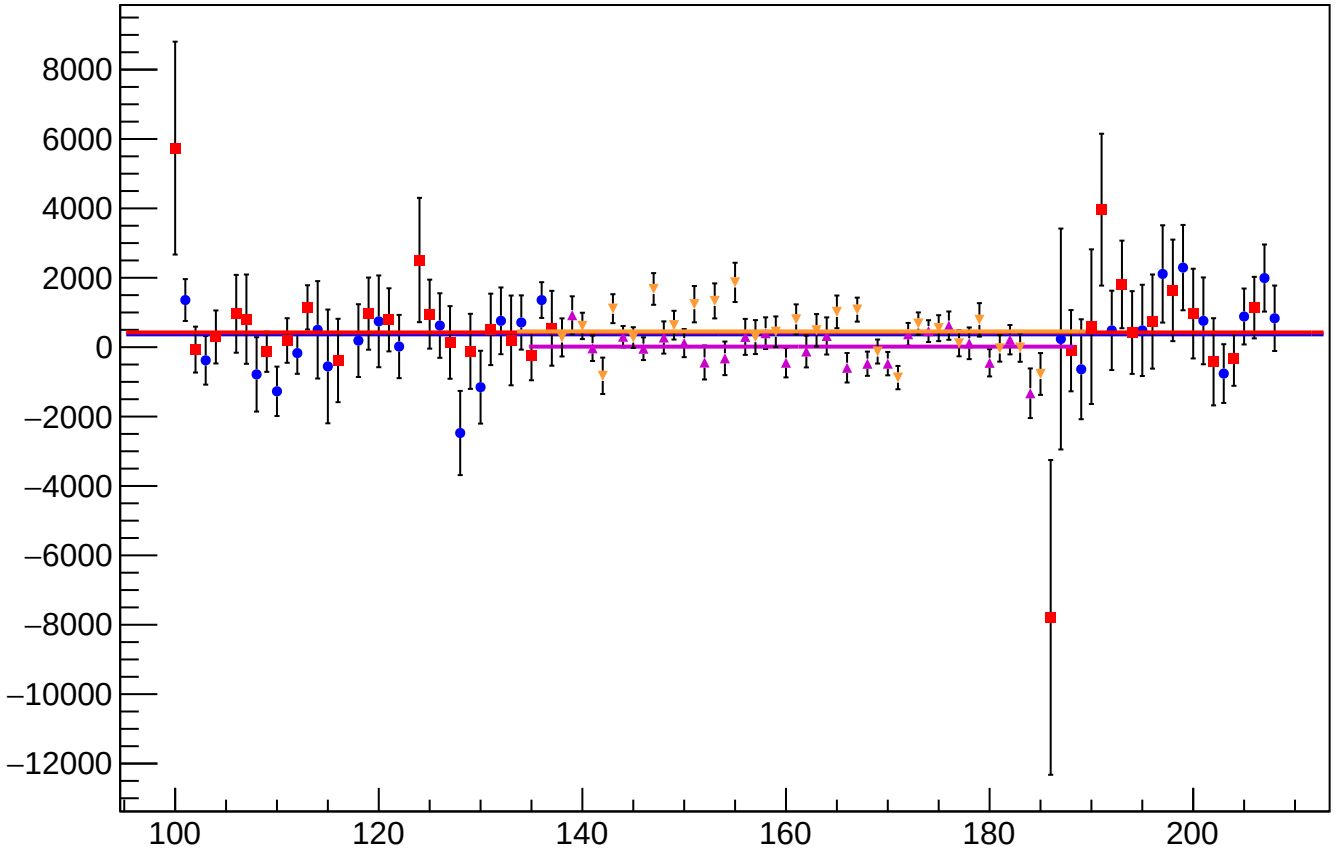
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 403.753+/-0.052 χ^2/NDF: 9410673.3/51

All: 404.548+/-0.037 χ^2/NDF: 19798105.2/10

- sign 405.374+/-0.053 χ^2/NDF: 10386952.9/53

asym_sam_1357_avg_mean vs Slug



Right In: 369.767+/-176.535 χ^2/NDF: 33.3/26

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 425.015+/-178.590 χ^2/NDF: 20.3/30

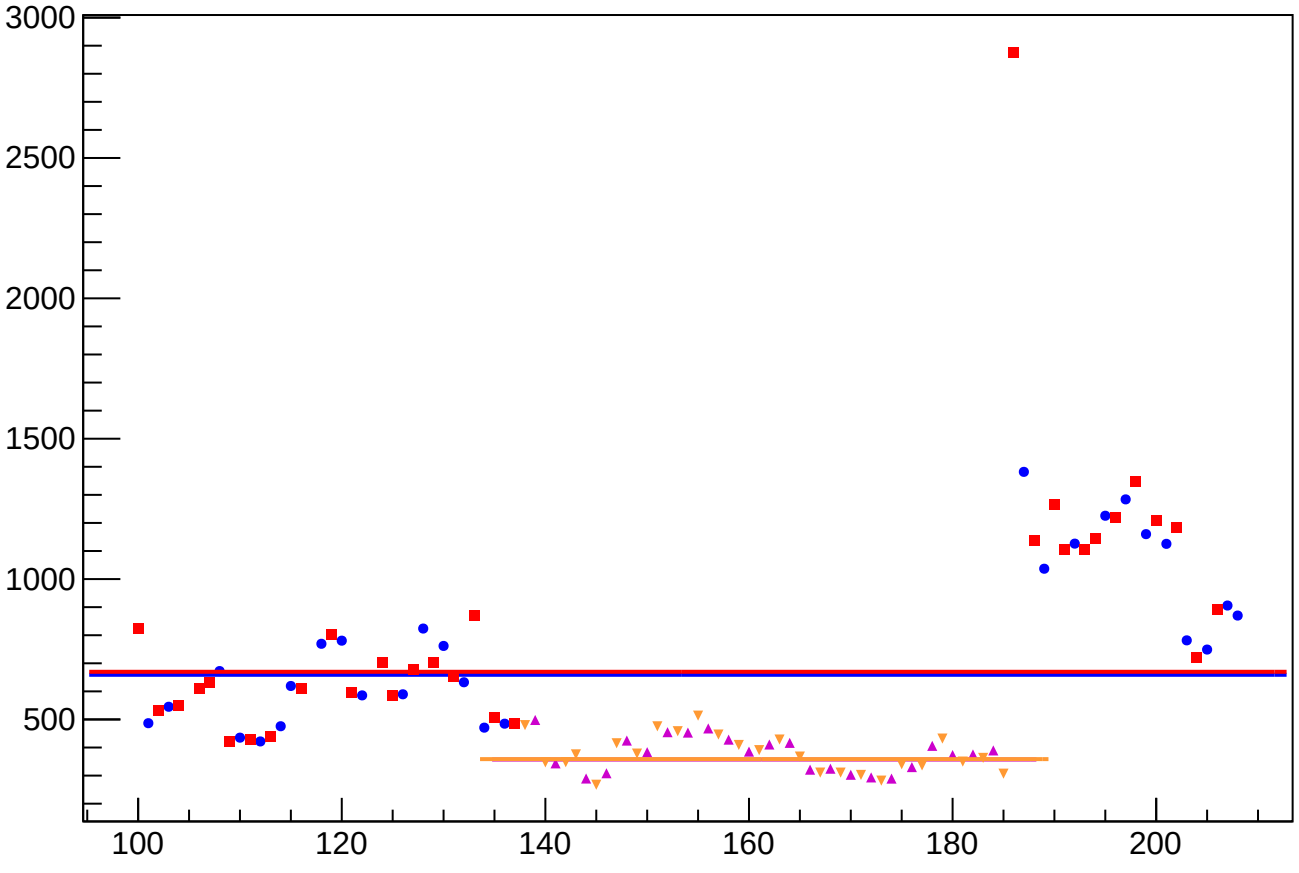
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 439.774+/-75.083 χ^2/NDF: 94.3/51

All: 269.106+/-53.629 χ^2/NDF: 154.3/105

- sign 91.355+/-76.625 χ^2/NDF: 49.4/53

asym_sam_1357_avg_rms vs Slug



Right In: 659.070+/-0.125 χ^2/NDF: 3481282.1/26

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

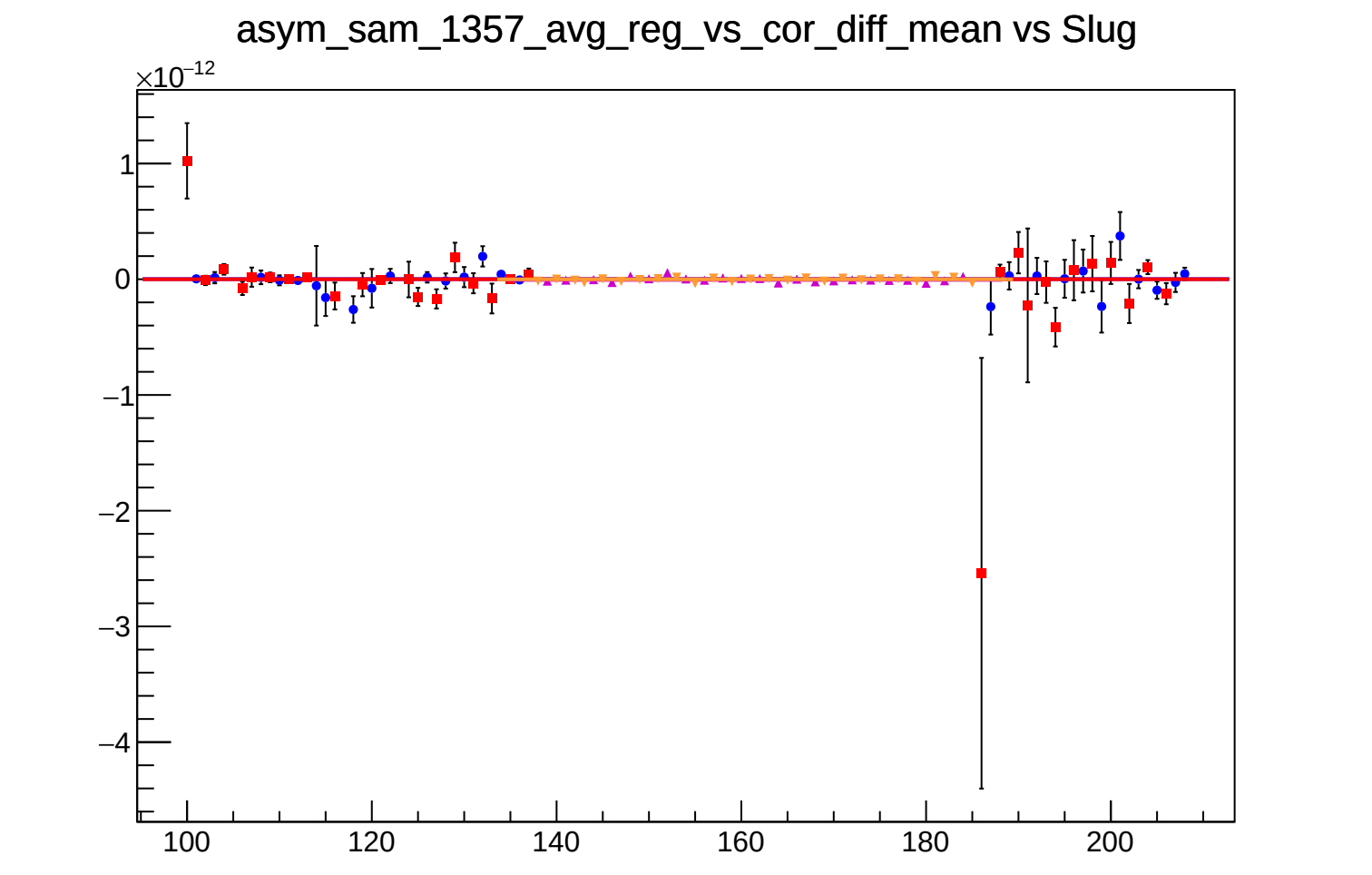
Right Out: 669.790+/-0.126 χ^2/NDF: 4481938.7/30

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 413.016+/-0.053 χ^2/NDF: 9344233.6/51

All: 413.856+/-0.038 χ^2/NDF: 19808193.5/10

- sign 414.730+/-0.054 χ^2/NDF: 10463449.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

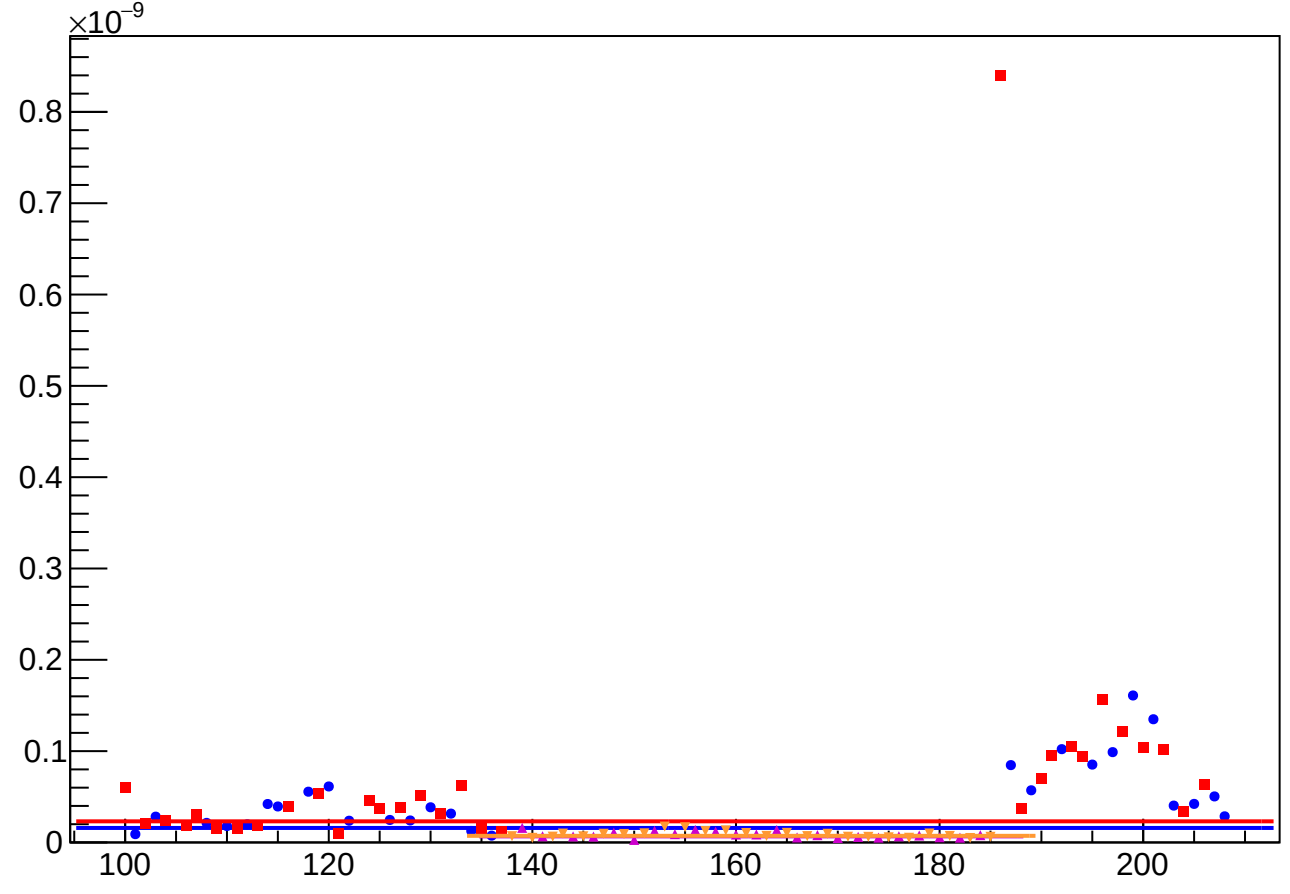
Right Out: 0.000+/-0.000 χ^2/NDF: 48.1/30

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.9/51

All: -0.000+/-0.000 χ^2/NDF: 118.2/105

- sign -0.000+/-0.000 χ^2/NDF: 76.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 6141508.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5140568.4/30

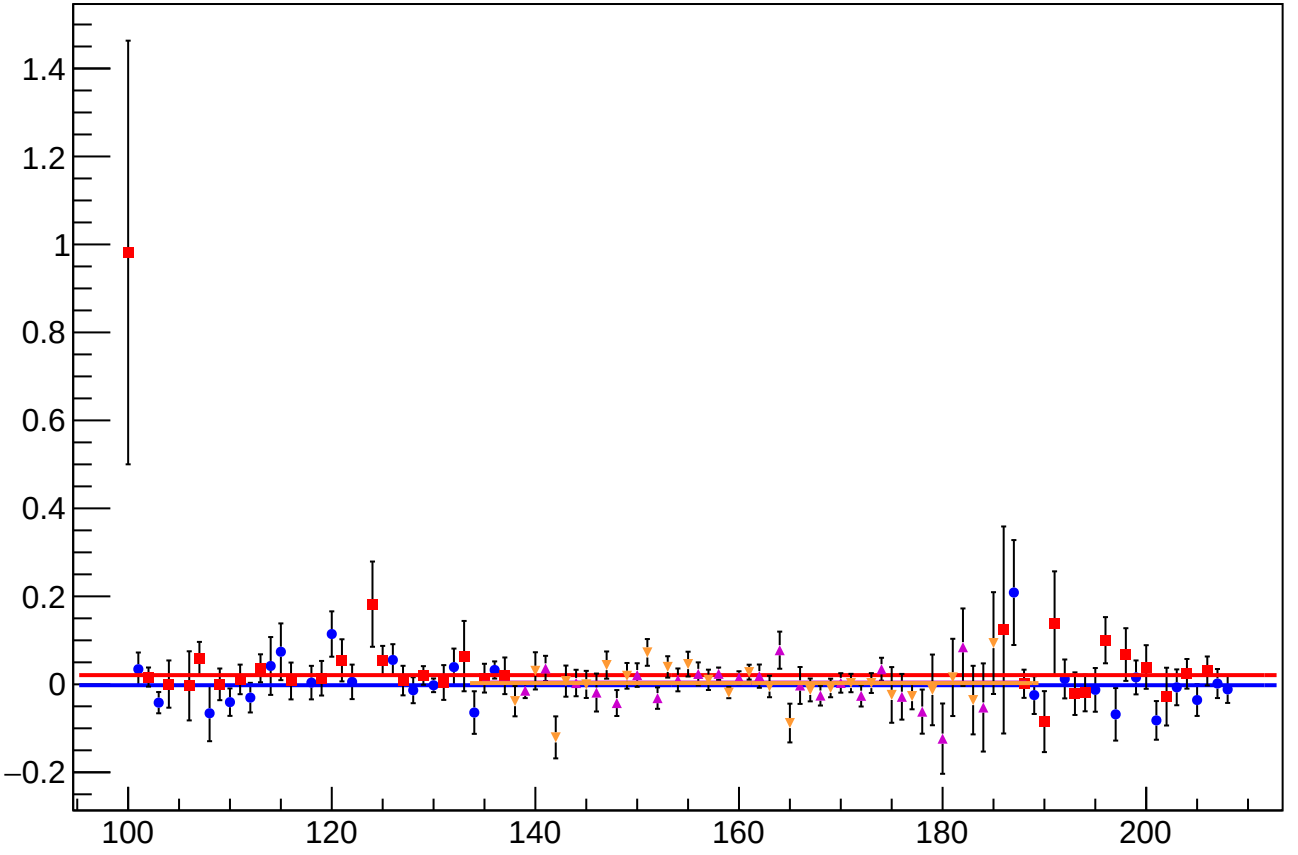
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 9358607.4/51

All: 0.000+/-0.000 χ^2/NDF: 20171839.1/105

- sign 0.000+/-0.000 χ^2/NDF: 10780623.3/53

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.007 χ^2/NDF: 31.6/26

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.021+/-0.007 χ^2/NDF: 20.1/30

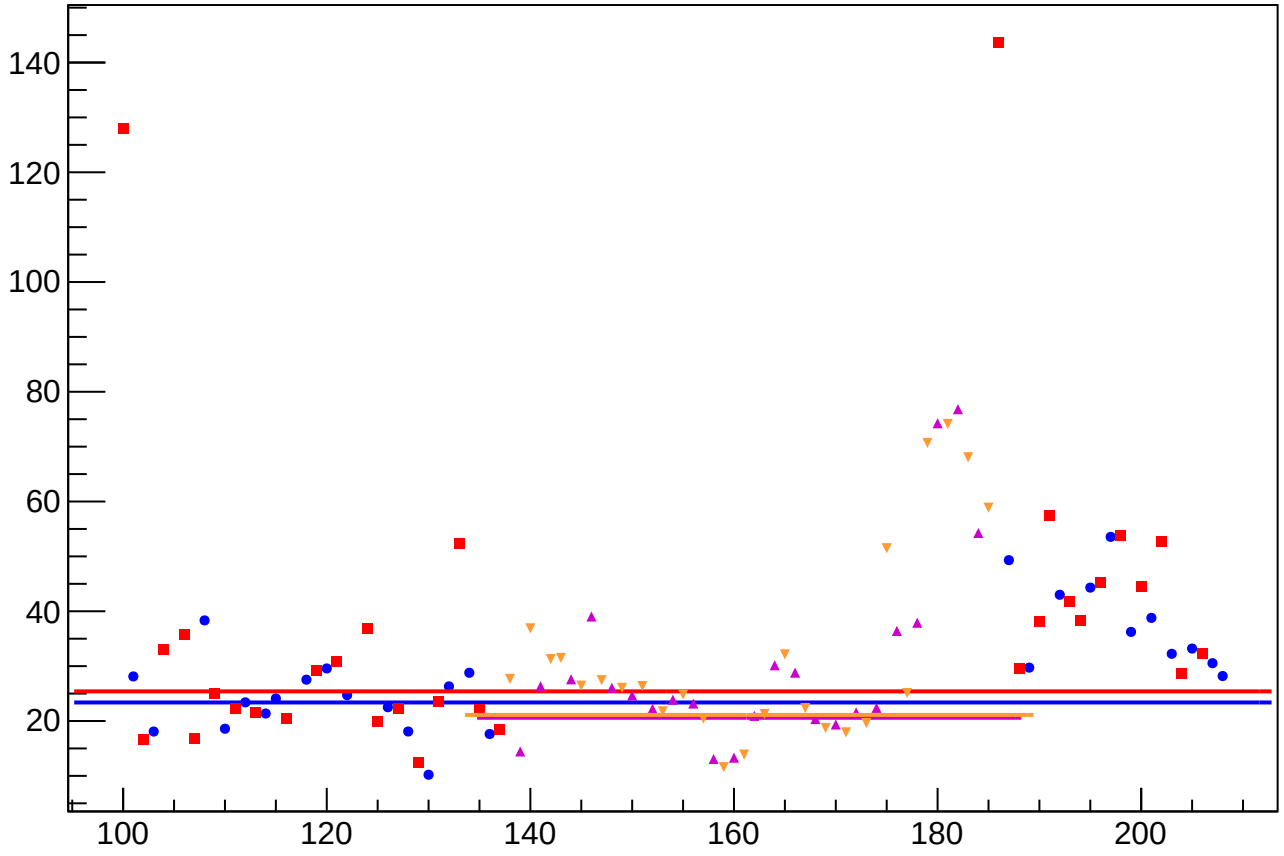
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.7/51

All: 0.005+/-0.003 χ^2/NDF: 115.3/105

- sign 0.010+/-0.004 χ^2/NDF: 48.2/53

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 23.379+/-0.005 χ^2/NDF: 4297035.2/26

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

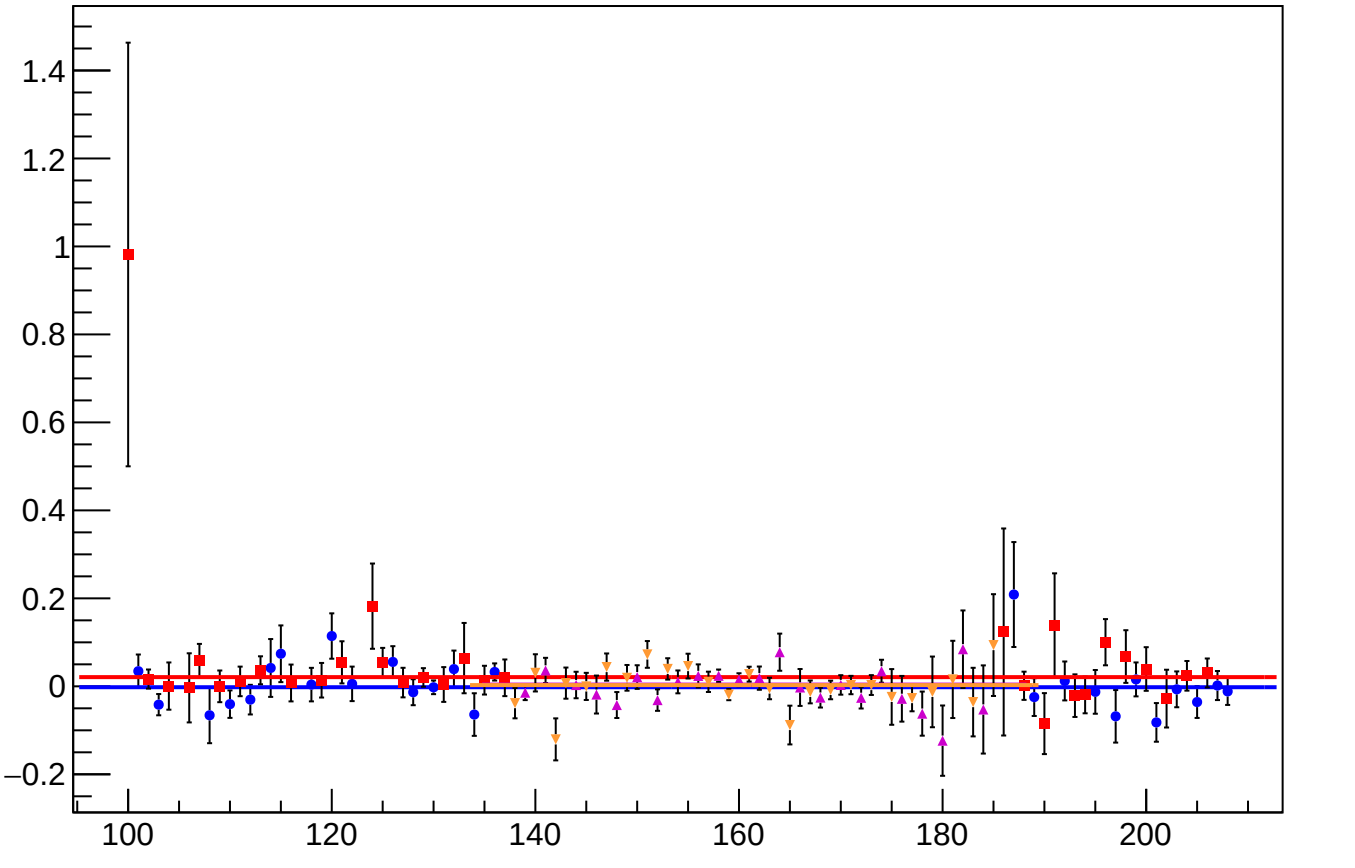
Right Out: 25.402+/-0.005 χ^2/NDF: 4540577.4/30

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 22.025+/-0.003 χ^2/NDF: 9983513.4/51

All: 22.179+/-0.002 χ^2/NDF: 19699174.6/105

- sign 22.342+/-0.003 χ^2/NDF: 9710166.2/53



Right In: -0.002+/-0.007 χ^2/NDF: 31.6/26

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

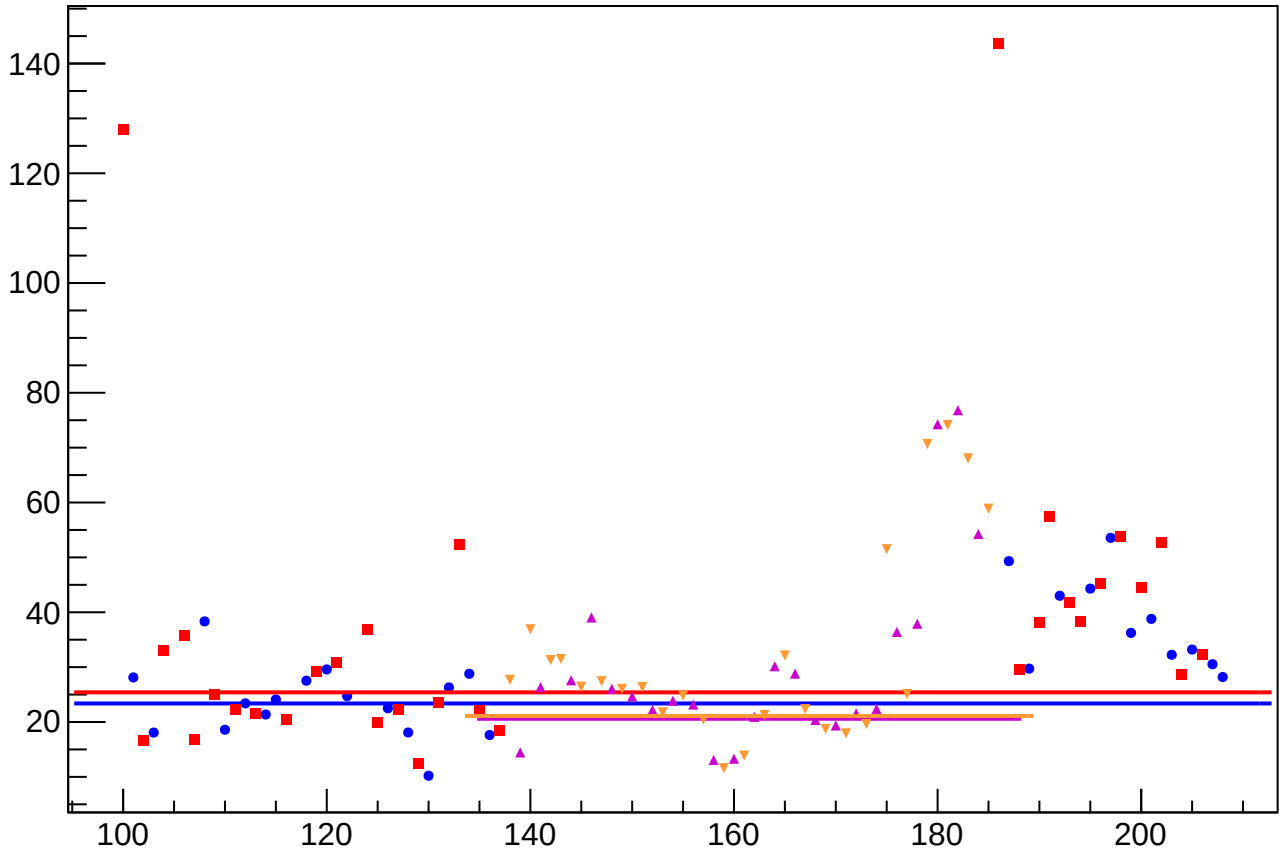
Right Out: 0.021+/-0.007 χ^2/NDF: 20.1/30

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.7/51

All: 0.005+/-0.003 χ^2/NDF: 115.3/105

- sign 0.010+/-0.004 χ^2/NDF: 48.2/53



Right In: 23.379+/-0.005 χ^2/NDF: 4297035.2/26

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

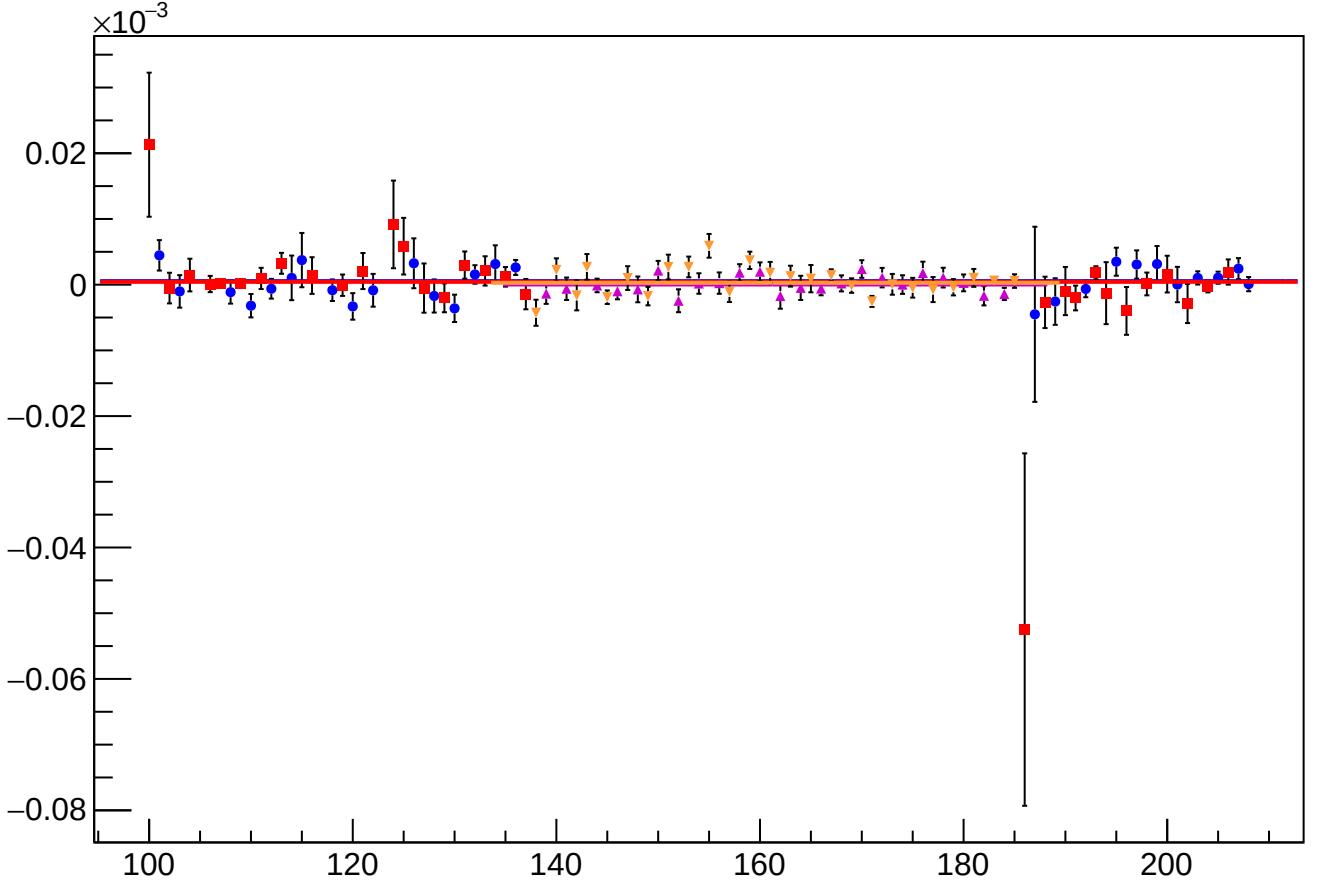
Right Out: 25.402+/-0.005 χ^2/NDF: 4540577.4/30

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 22.025+/-0.003 χ^2/NDF: 9983513.4/51

All: 22.179+/-0.002 χ^2/NDF: 19699174.6/105

- sign 22.342+/-0.003 χ^2/NDF: 9710166.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 32.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

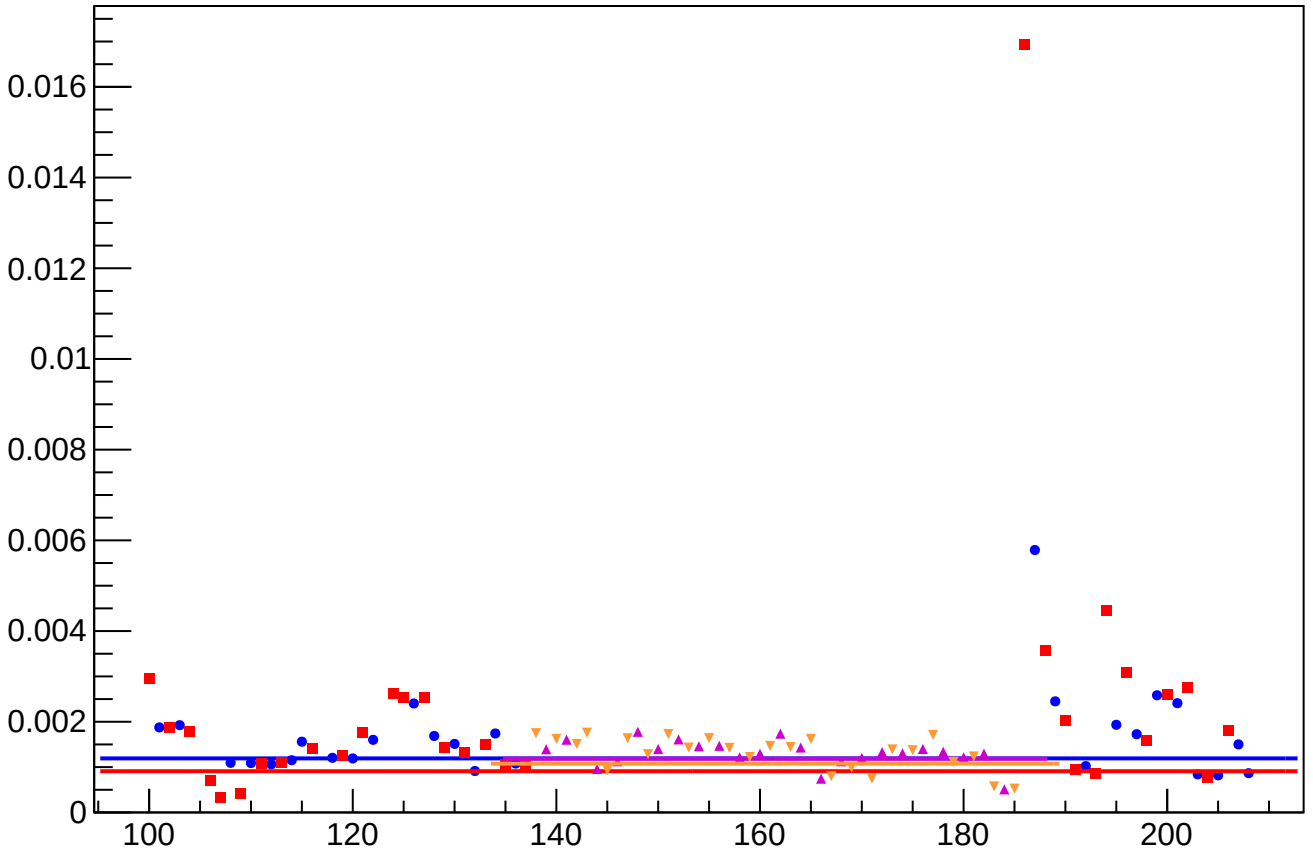
Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/30

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 85.5/51

All: 0.000+/-0.000 χ^2/NDF: 135.0/105

- sign 0.000+/-0.000 χ^2/NDF: 49.2/53



Right In: 0.001+/-0.000 χ^2/NDF: 3588753.7/26

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

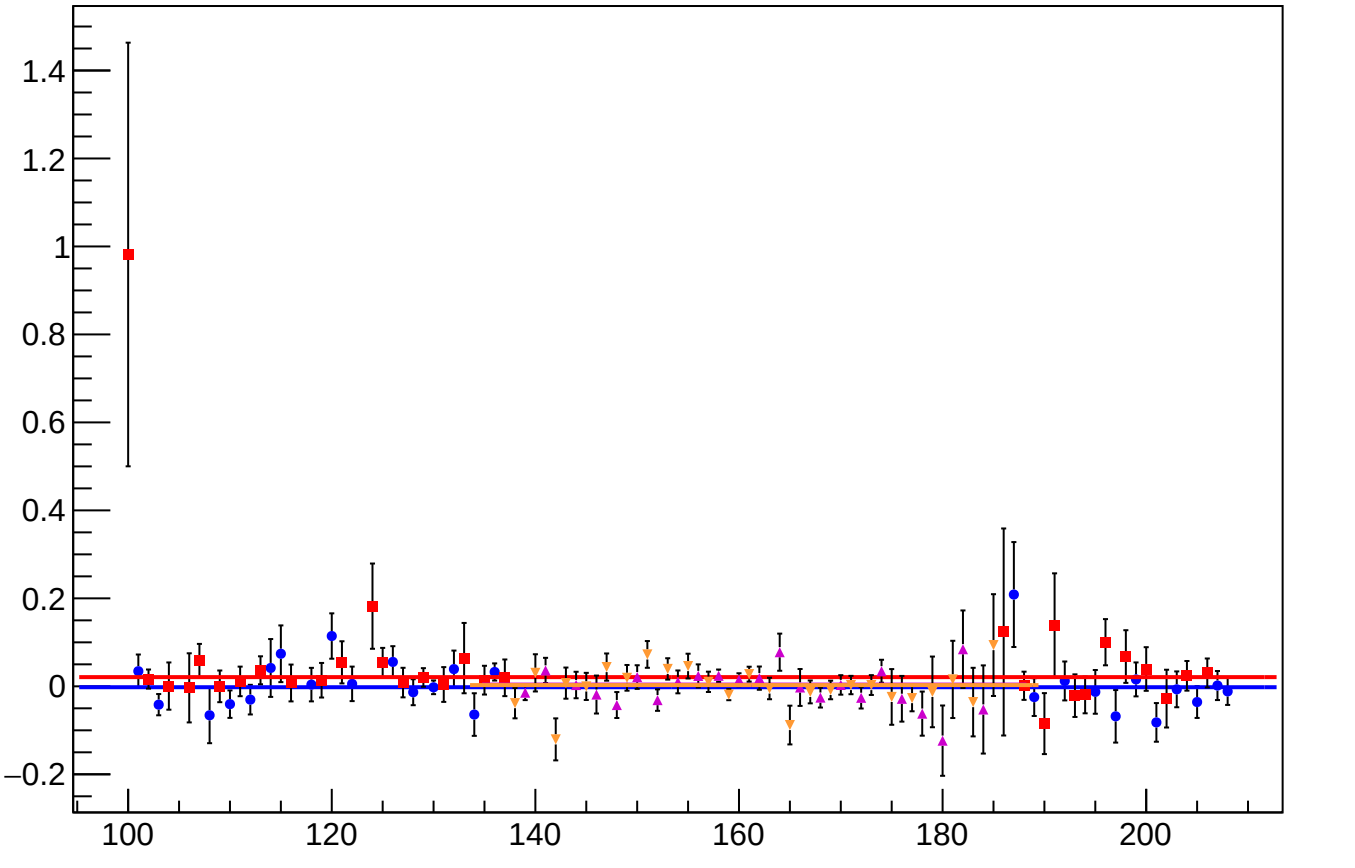
Right Out: 0.001+/-0.000 χ^2/NDF: 11036995.9/30

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 8282925.2/51

All: 0.001+/-0.000 χ^2/NDF: 22839609.9/105

- sign 0.001+/-0.000 χ^2/NDF: 14417370.1/53



Right In: -0.002+/-0.007 χ^2/NDF: 31.6/26

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

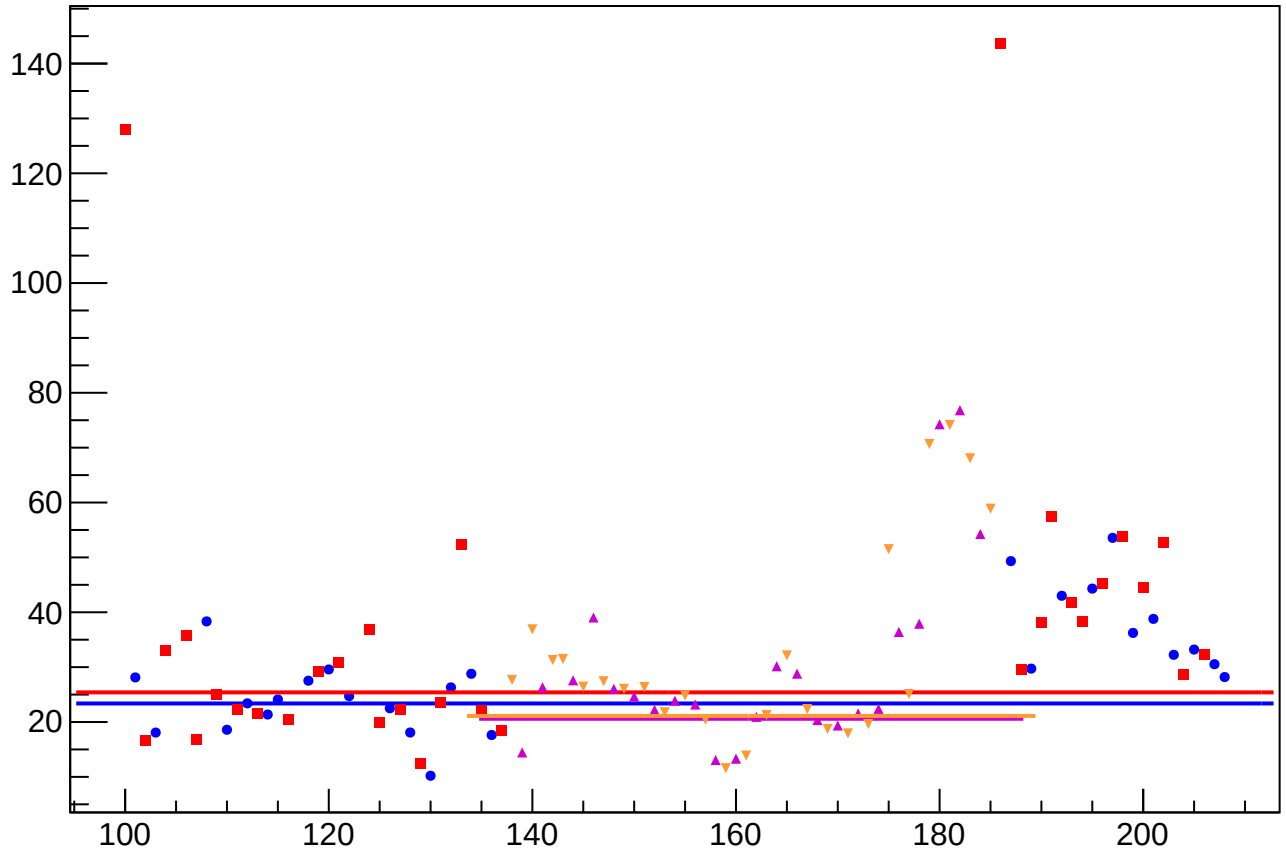
Right Out: 0.021+/-0.007 χ^2/NDF: 20.1/30

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.7/51

All: 0.005+/-0.003 χ^2/NDF: 115.3/105

- sign 0.010+/-0.004 χ^2/NDF: 48.2/53



Right In: 23.380+/-0.005 χ^2/NDF: 4296766.8/26

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

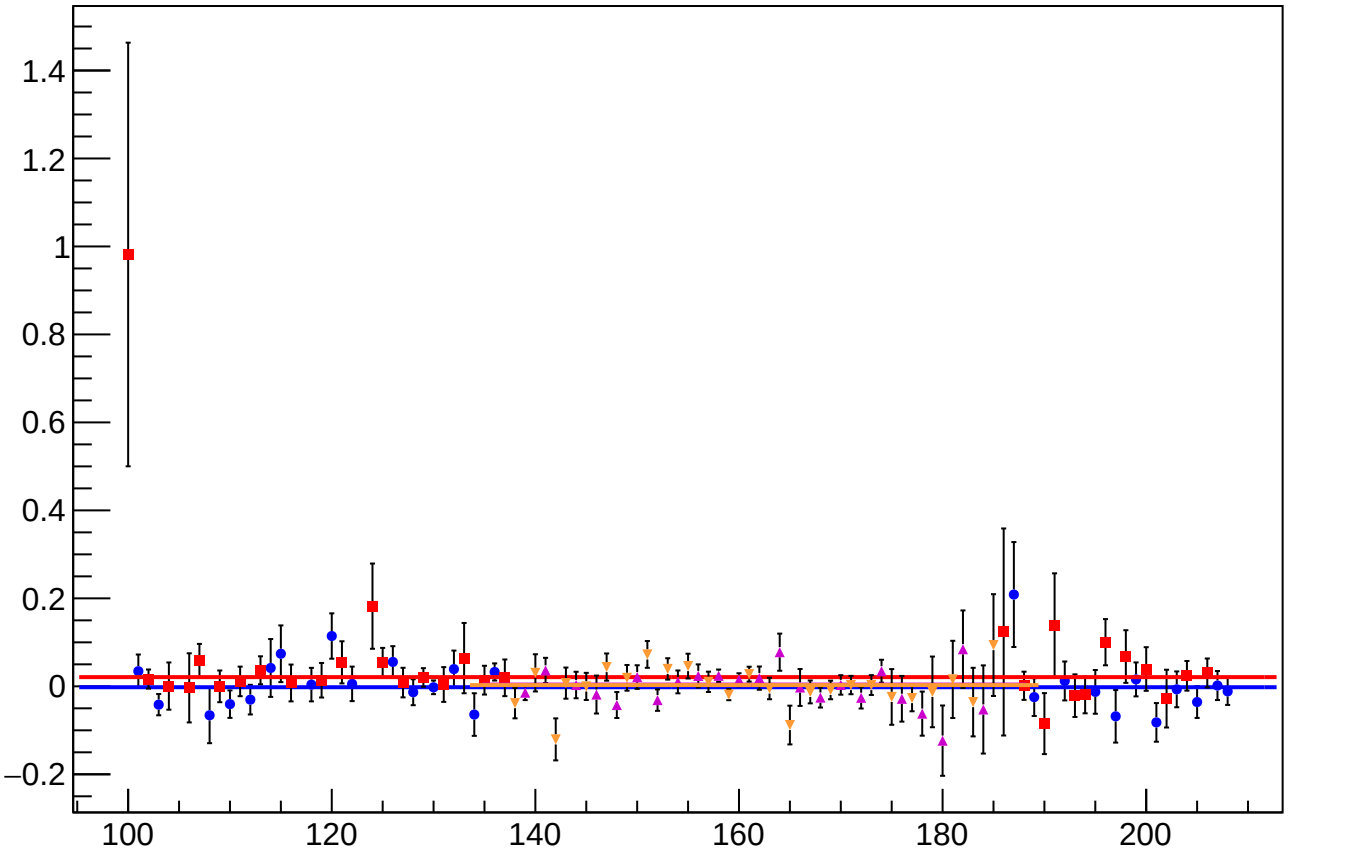
Right Out: 25.402+/-0.005 χ^2/NDF: 4540549.7/30

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

\+ sign 22.025+/-0.003 χ^2/NDF: 9983419.5/51

All: 22.179+/-0.002 χ^2/NDF: 19699047.7/105

\- sign 22.342+/-0.003 χ^2/NDF: 9710131.7/53



Right In: -0.002+/-0.007 χ^2/NDF: 31.6/26

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

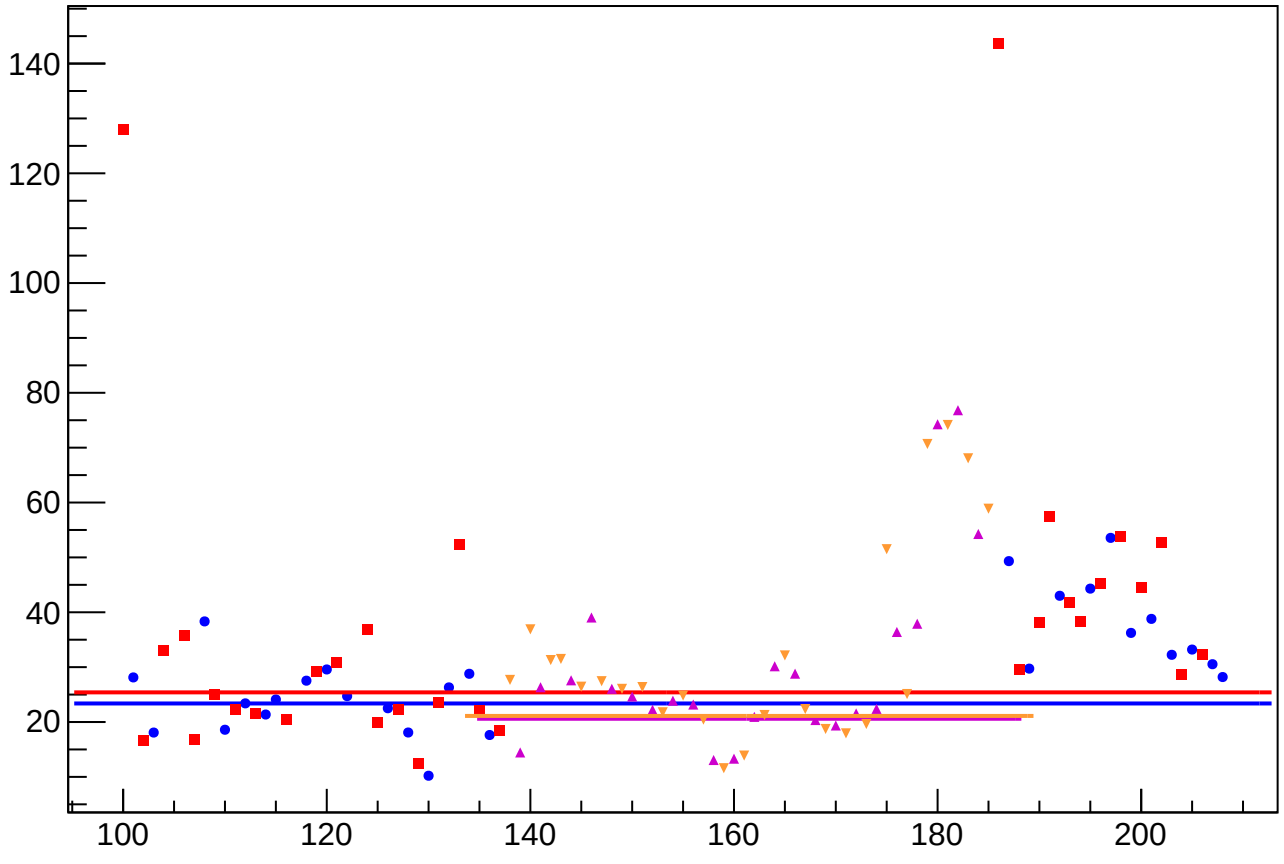
Right Out: 0.021+/-0.007 χ^2/NDF: 20.1/30

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.7/51

All: 0.005+/-0.003 χ^2/NDF: 115.3/105

- sign 0.010+/-0.004 χ^2/NDF: 48.2/53



Right In: 23.380+/-0.005 χ^2/NDF: 4296766.8/26

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

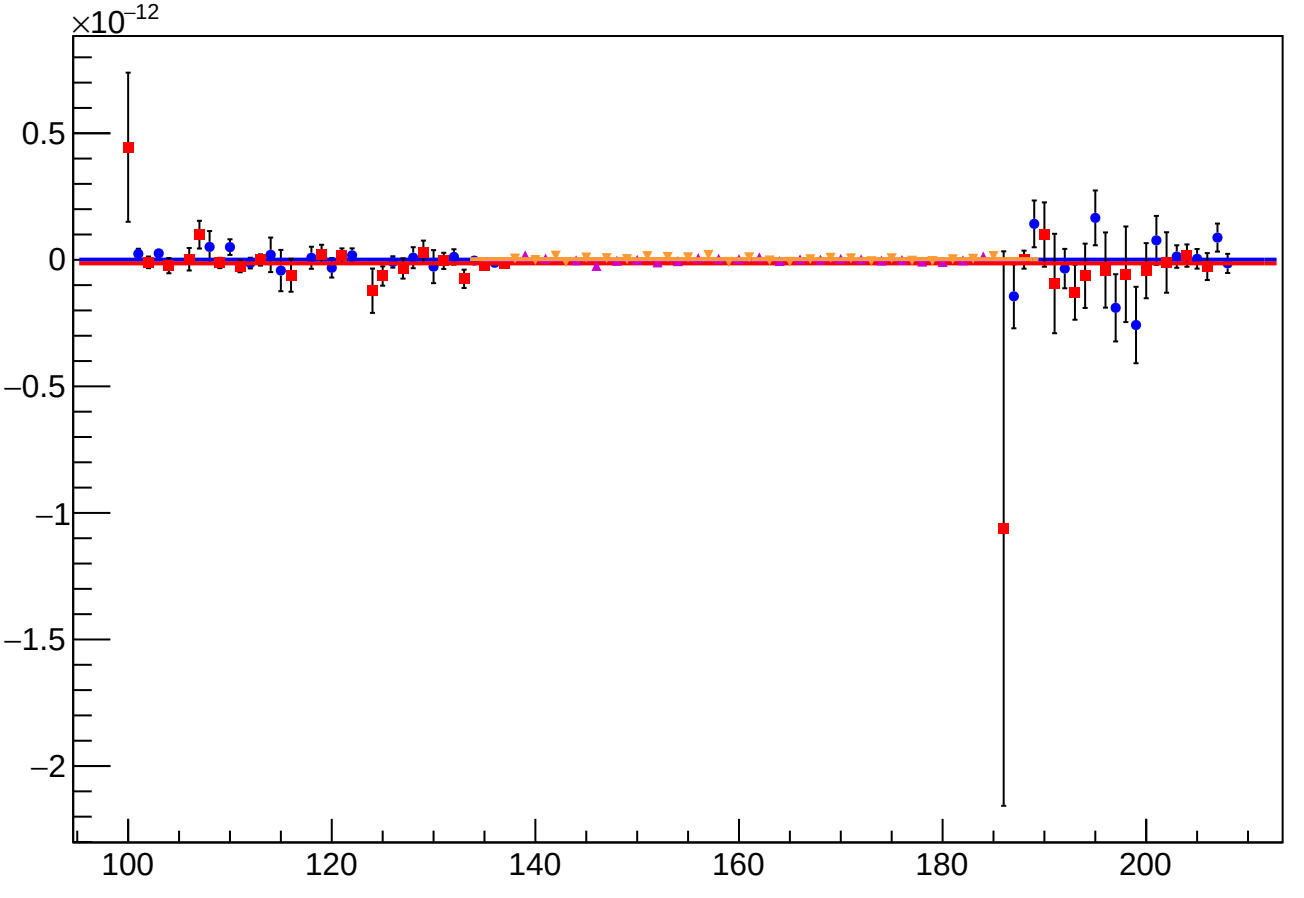
Right Out: 25.402+/-0.005 χ^2/NDF: 4540549.7/30

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 22.025+/-0.003 χ^2/NDF: 9983419.5/51

All: 22.179+/-0.002 χ^2/NDF: 19699047.7/105

- sign 22.342+/-0.003 χ^2/NDF: 9710131.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

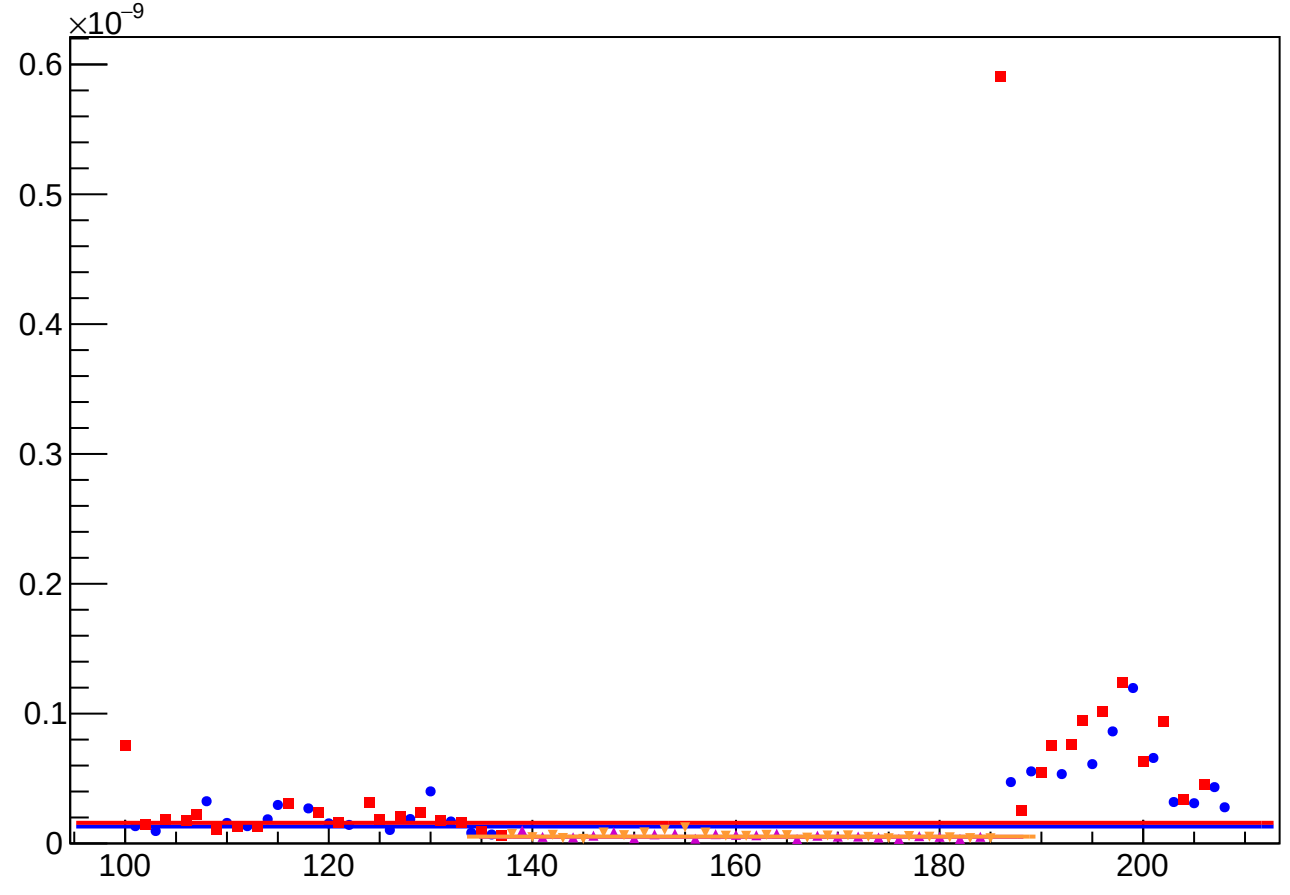
Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/30

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.8/51

All: 0.000+/-0.000 χ^2/NDF: 96.7/105

- sign -0.000+/-0.000 χ^2/NDF: 47.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 7582265.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7628362.7/30

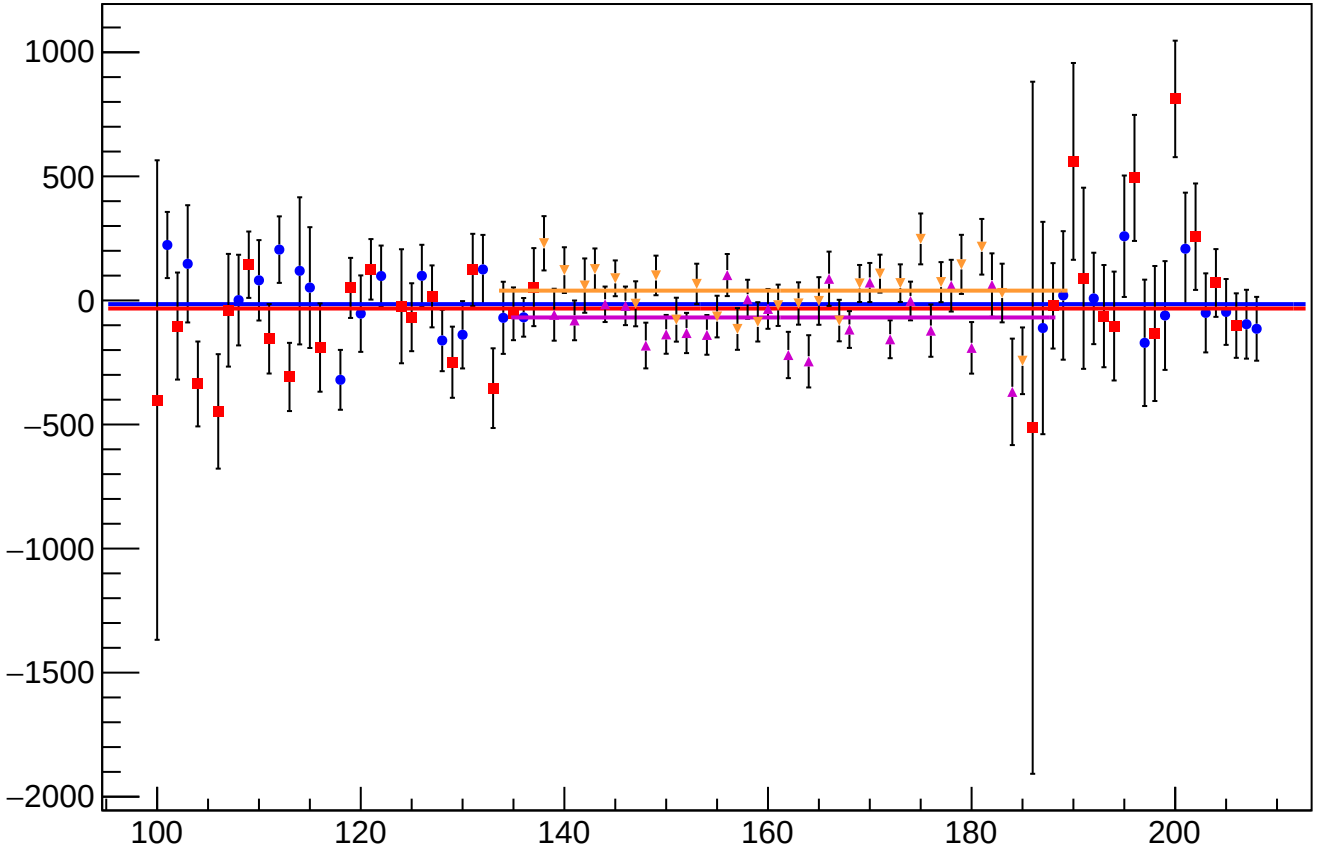
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13523059.8/51

All: 0.000+/-0.000 χ^2/NDF: 28495858.7/105

- sign 0.000+/-0.000 χ^2/NDF: 14961854.5/53

reg_asym_sam_2468_avg_mean vs Slug



Right In: -14.945+/-29.091 χ^2/NDF: 22.8/26

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -32.599+/-30.206 χ^2/NDF: 46.7/30

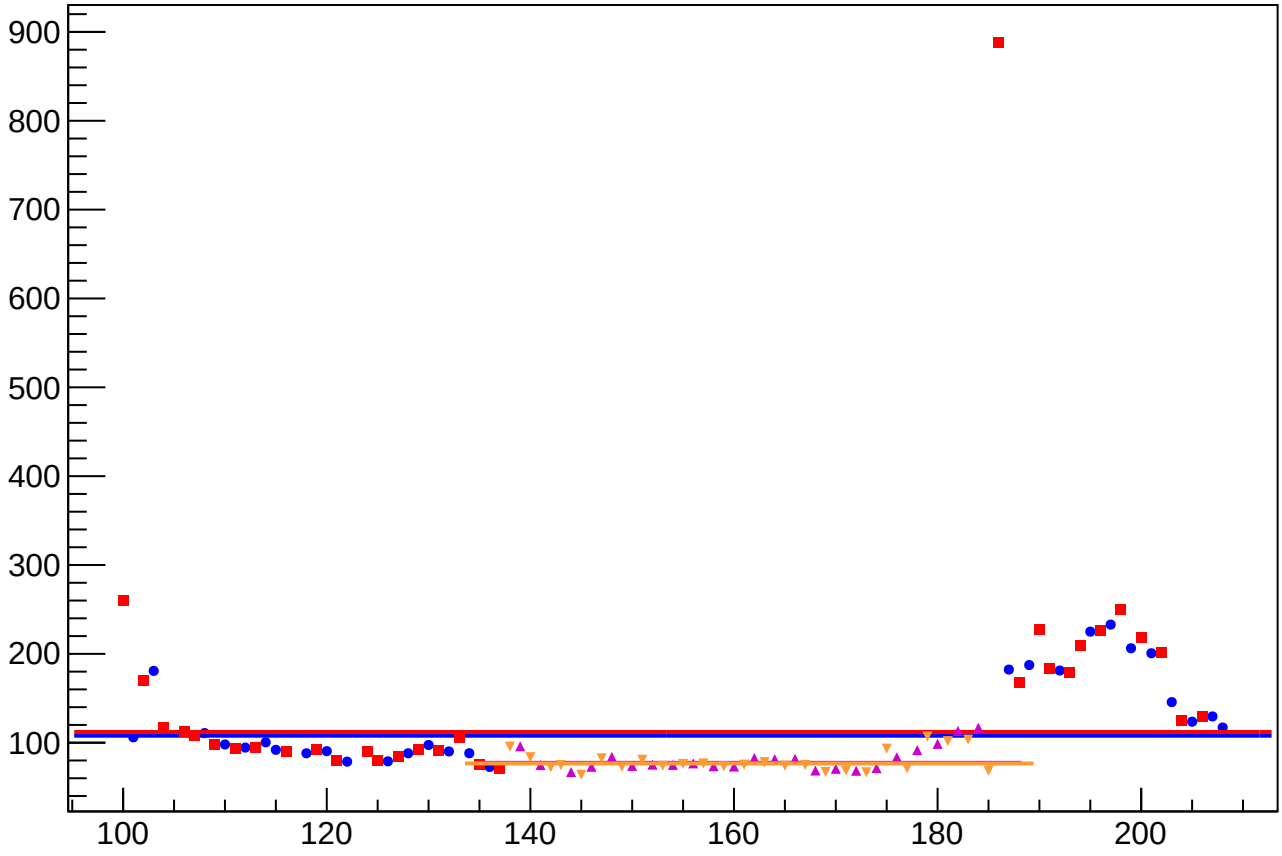
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 24.815+/-15.100 χ^2/NDF: 57.3/51

All: -15.530+/-10.871 χ^2/NDF: 148.8/105

- sign -58.935+/-15.662 χ^2/NDF: 76.8/53

reg_asym_sam_2468_avg_rms vs Slug



Right In: 107.902+/-0.021 χ^2/NDF: 3514009.6/26

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

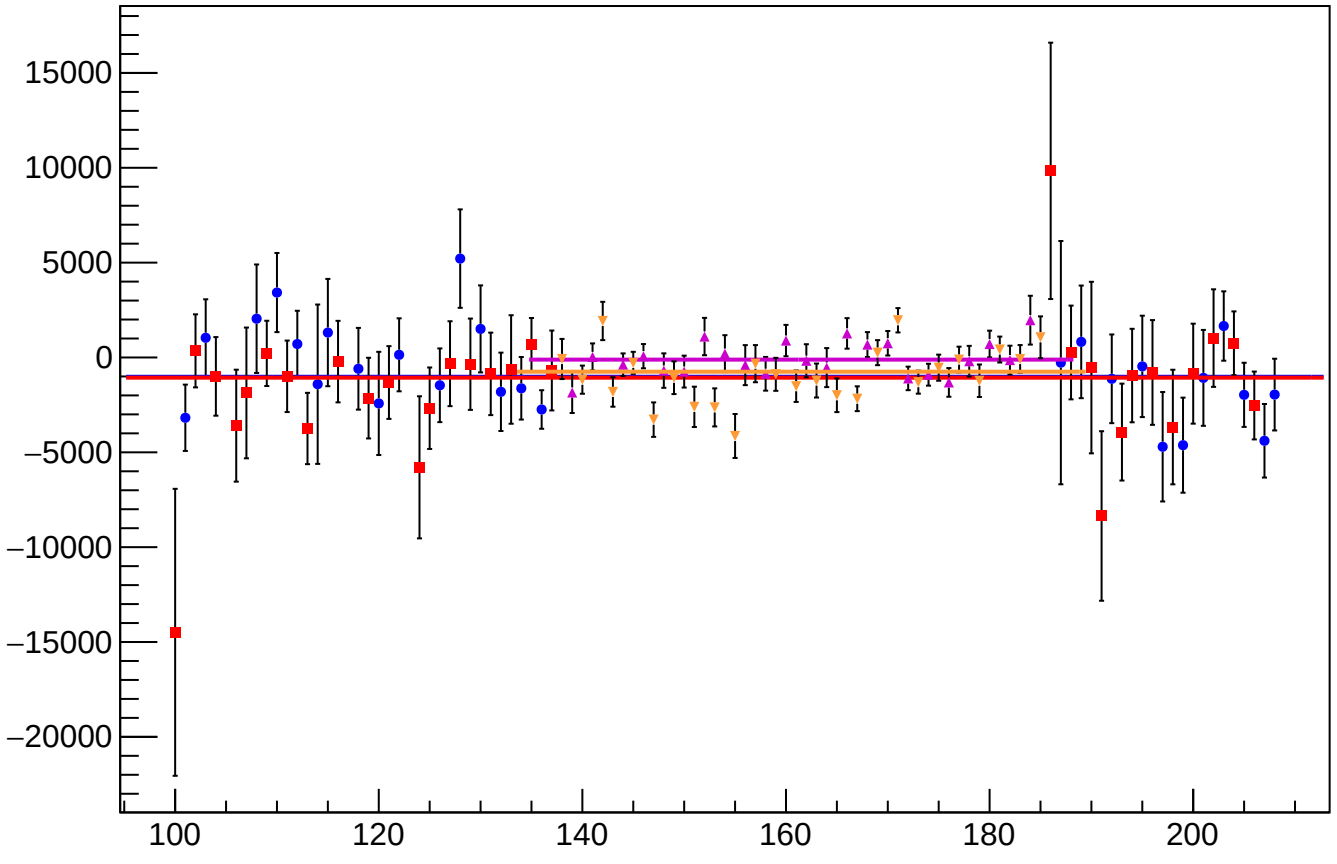
Right Out: 112.098+/-0.021 χ^2/NDF: 4608233.6/30

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 85.067+/-0.011 χ^2/NDF: 5855278.2/51

All: 85.849+/-0.008 χ^2/NDF: 13000311.9/105

- sign 86.691+/-0.011 χ^2/NDF: 7133893.0/53



Right In: -1017.152+/-397.878 χ^2/NDF: 30.6/26

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -1064.712+/-412.942 χ^2/NDF: 21.5/30

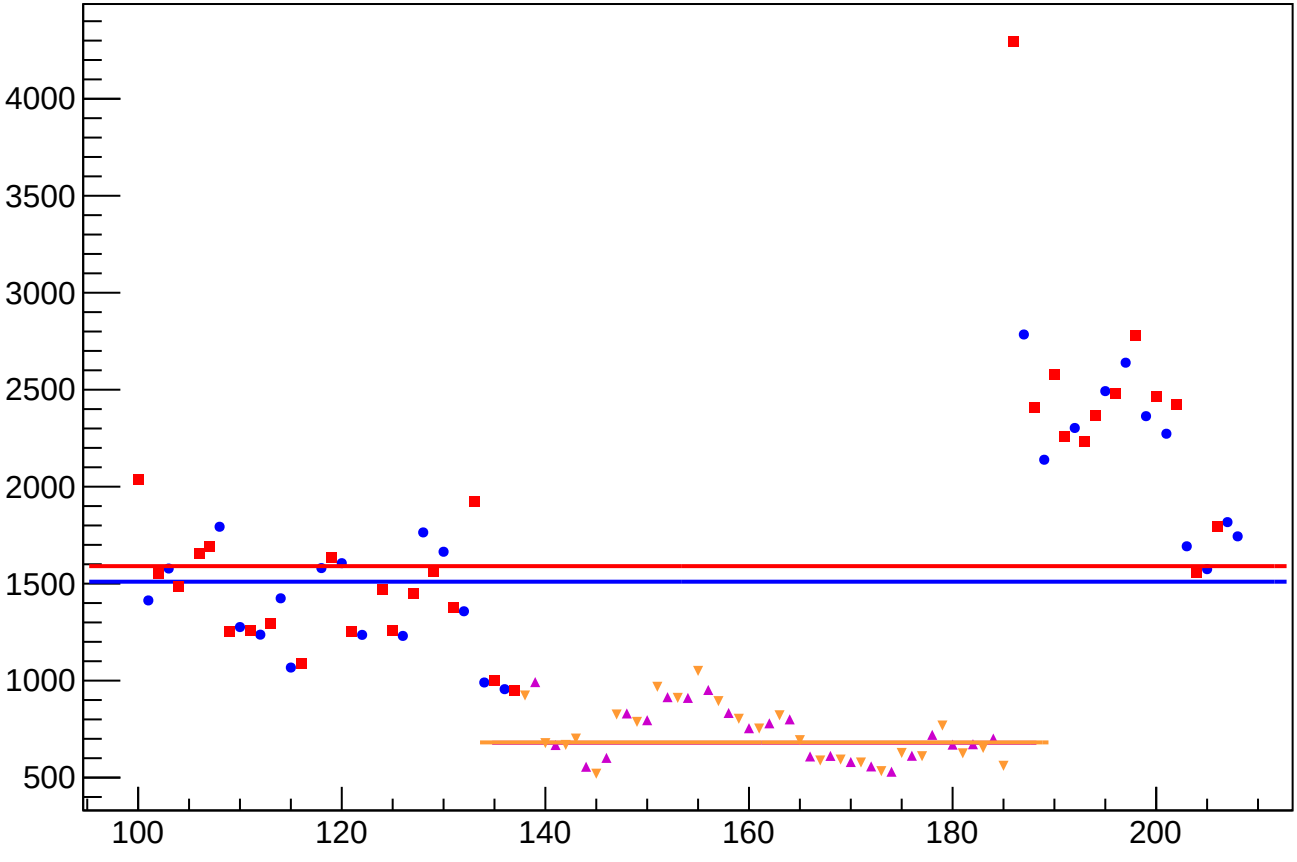
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -786.112+/-146.910 χ^2/NDF: 101.0/51

All: -520.109+/-105.181 χ^2/NDF: 158.9/105

- sign -240.370+/-150.656 χ^2/NDF: 51.2/53

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1510.058+/-0.281 χ^2/NDF: 2564458.0/26

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1590.305+/-0.292 χ^2/NDF: 2999117.0/30

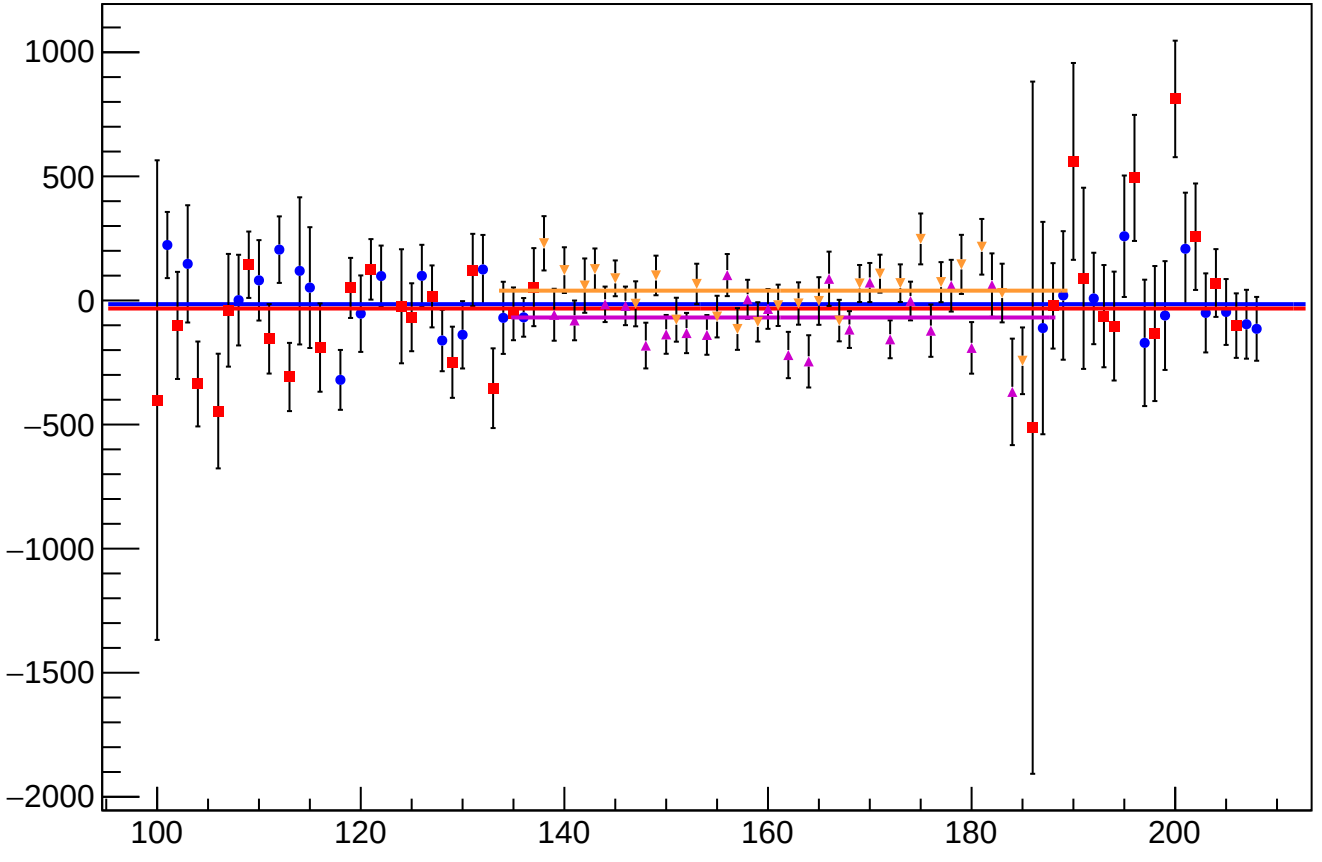
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 794.398+/-0.104 χ^2/NDF: 11390694.6/51

All: 797.449+/-0.074 χ^2/NDF: 24013133.7/10

- sign 800.657+/-0.107 χ^2/NDF: 12620669.2/53

cor_asym_sam_2468_avg_mean vs Slug



Right In: -14.956+/-29.091 χ^2/NDF: 22.8/26

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -32.491+/-30.208 χ^2/NDF: 46.7/30

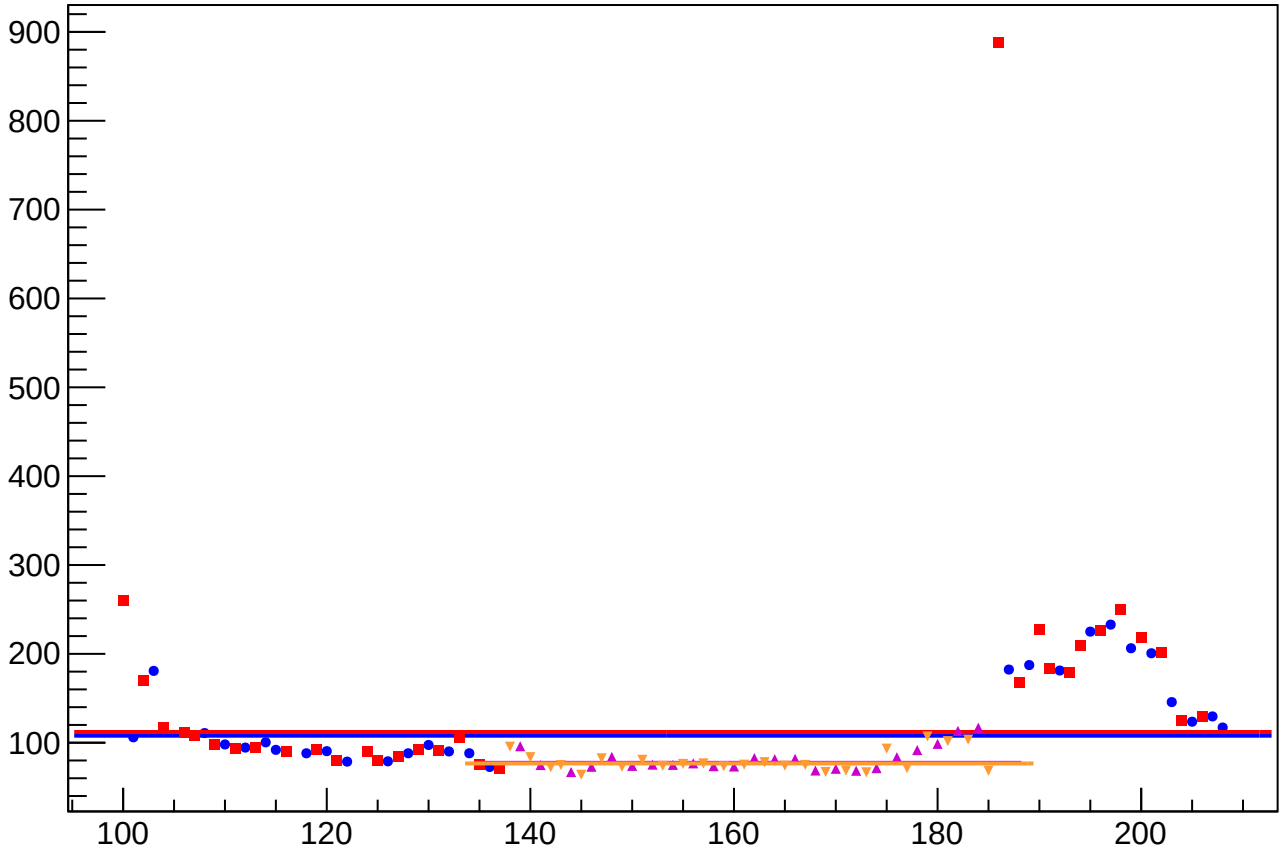
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 24.817+/-15.100 χ^2/NDF: 57.3/51

All: -15.514+/-10.871 χ^2/NDF: 148.8/105

- sign -58.907+/-15.663 χ^2/NDF: 76.7/53

cor_asym_sam_2468_avg_rms vs Slug



Right In: 107.902+/-0.021 χ^2/NDF: 3514013.2/26

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 112.076+/-0.021 χ^2/NDF: 4608479.9/30

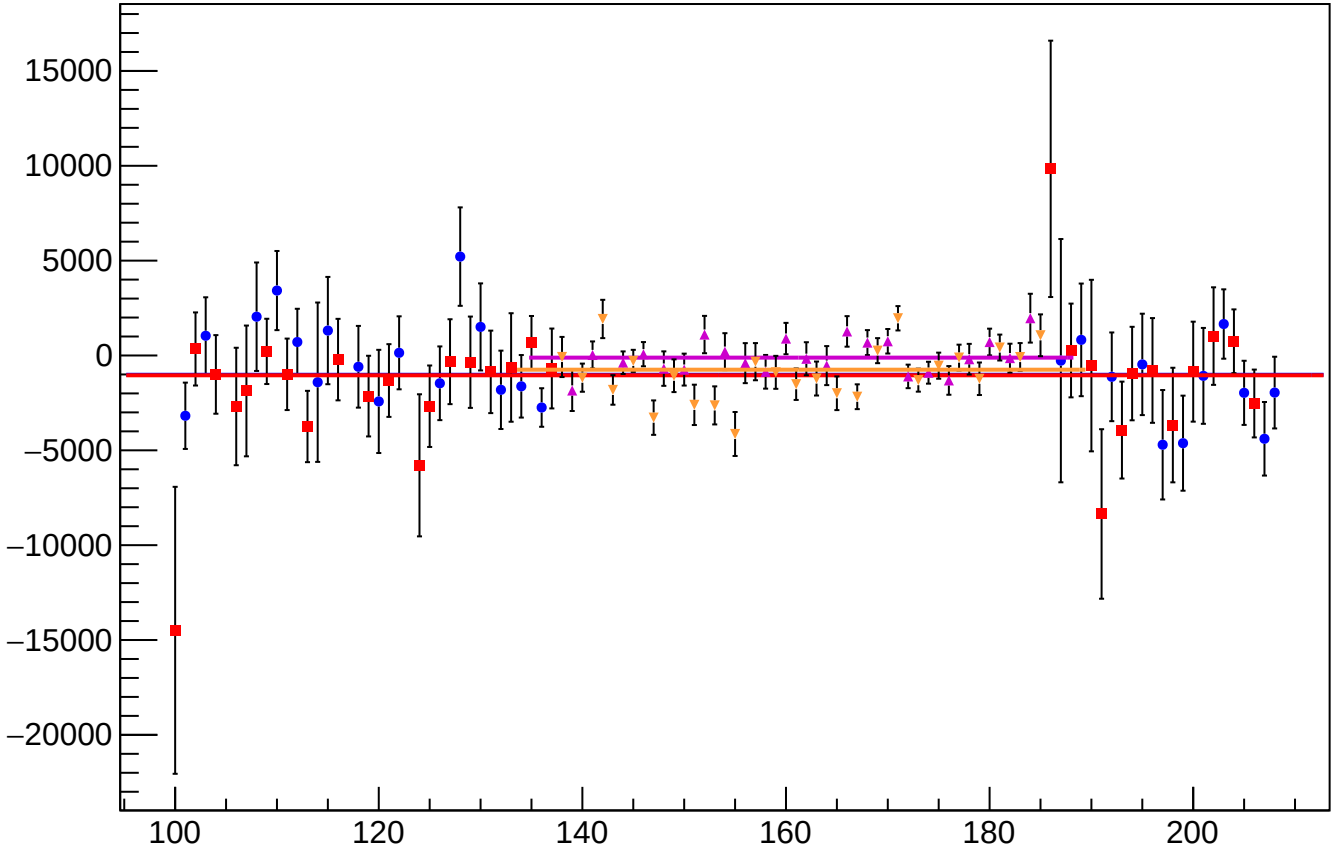
Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 85.067+/-0.011 χ^2/NDF: 5855281.8/51

All: 85.846+/-0.008 χ^2/NDF: 12997884.5/105

- sign 86.684+/-0.011 χ^2/NDF: 7131551.6/53

asym_sam_2468_avg_cor_correction_mean vs Slug



Right In: -1017.130+/-397.879 χ^2/NDF: 30.6/26

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -1044.421+/-413.326 χ^2/NDF: 21.1/30

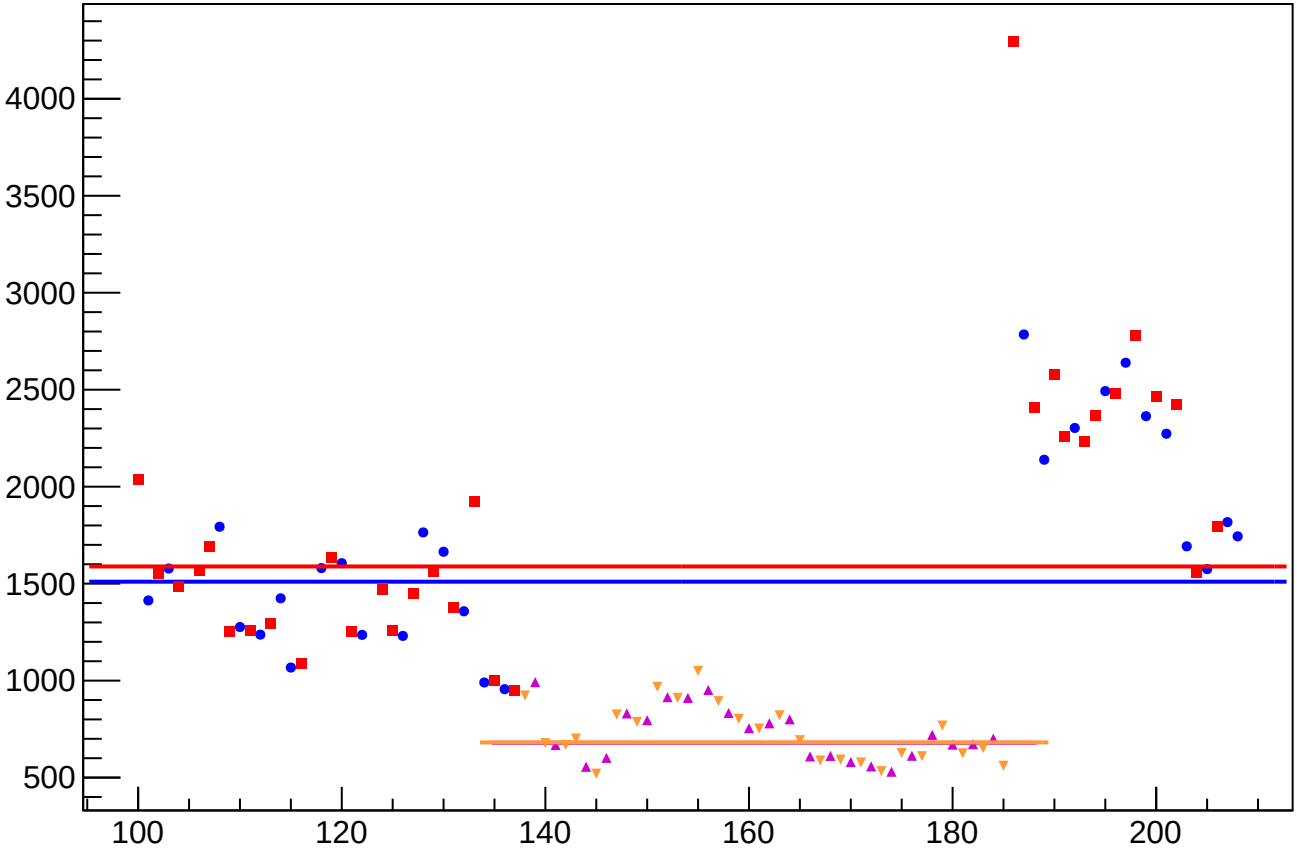
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -786.101+/-146.910 χ^2/NDF: 101.0/51

All: -518.724+/-105.187 χ^2/NDF: 158.3/105

- sign -237.470+/-150.675 χ^2/NDF: 50.5/53

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1510.062+/-0.281 χ^2/NDF: 2564469.4/26

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1588.698+/-0.292 χ^2/NDF: 2998177.1/30

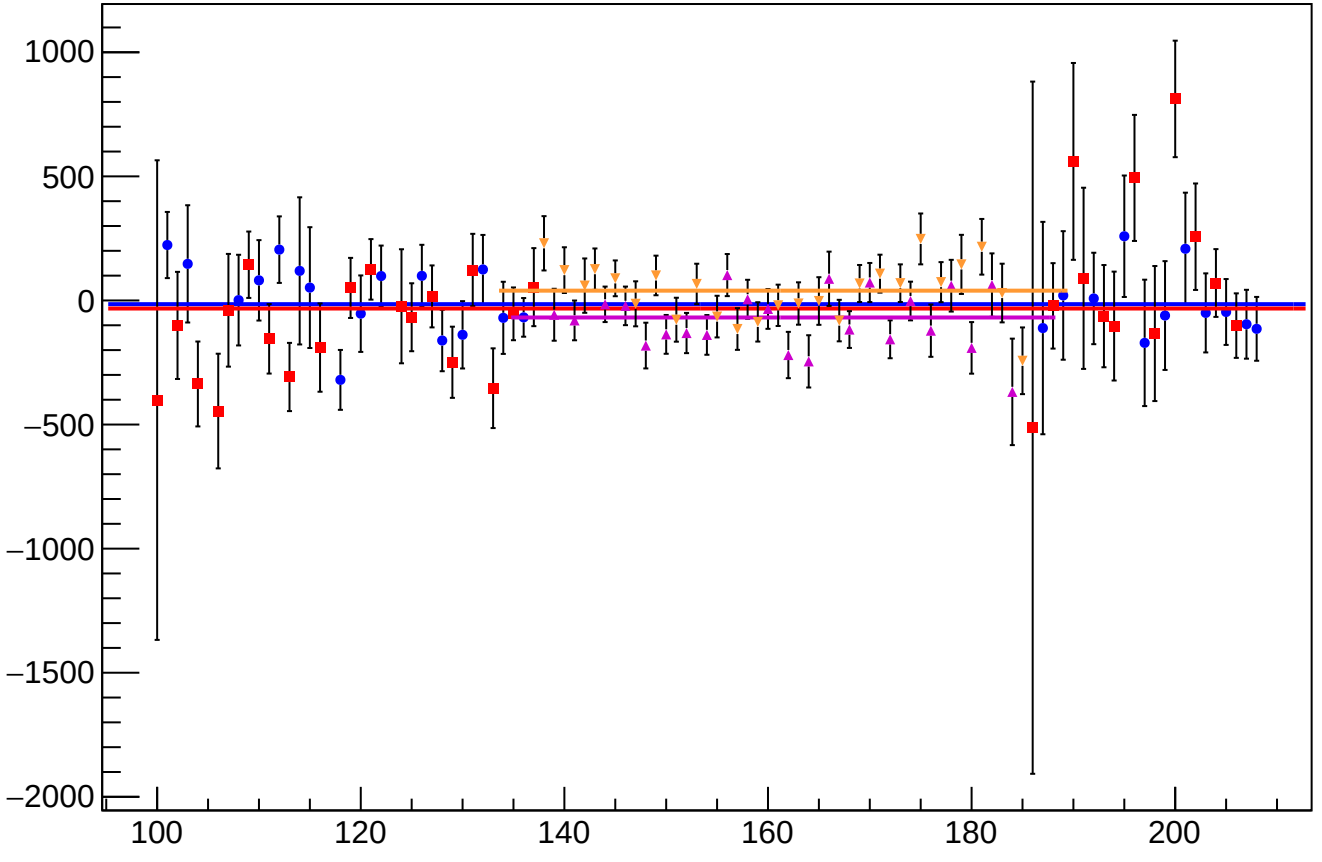
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

\+ sign 794.397+/-0.104 χ^2/NDF: 11390740.4/51

All: 797.249+/-0.074 χ^2/NDF: 23968723.6/10

\- sign 800.249+/-0.107 χ^2/NDF: 12576436.9/53

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -14.956+/-29.091 χ^2/NDF: 22.8/26

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -32.491+/-30.208 χ^2/NDF: 46.7/30

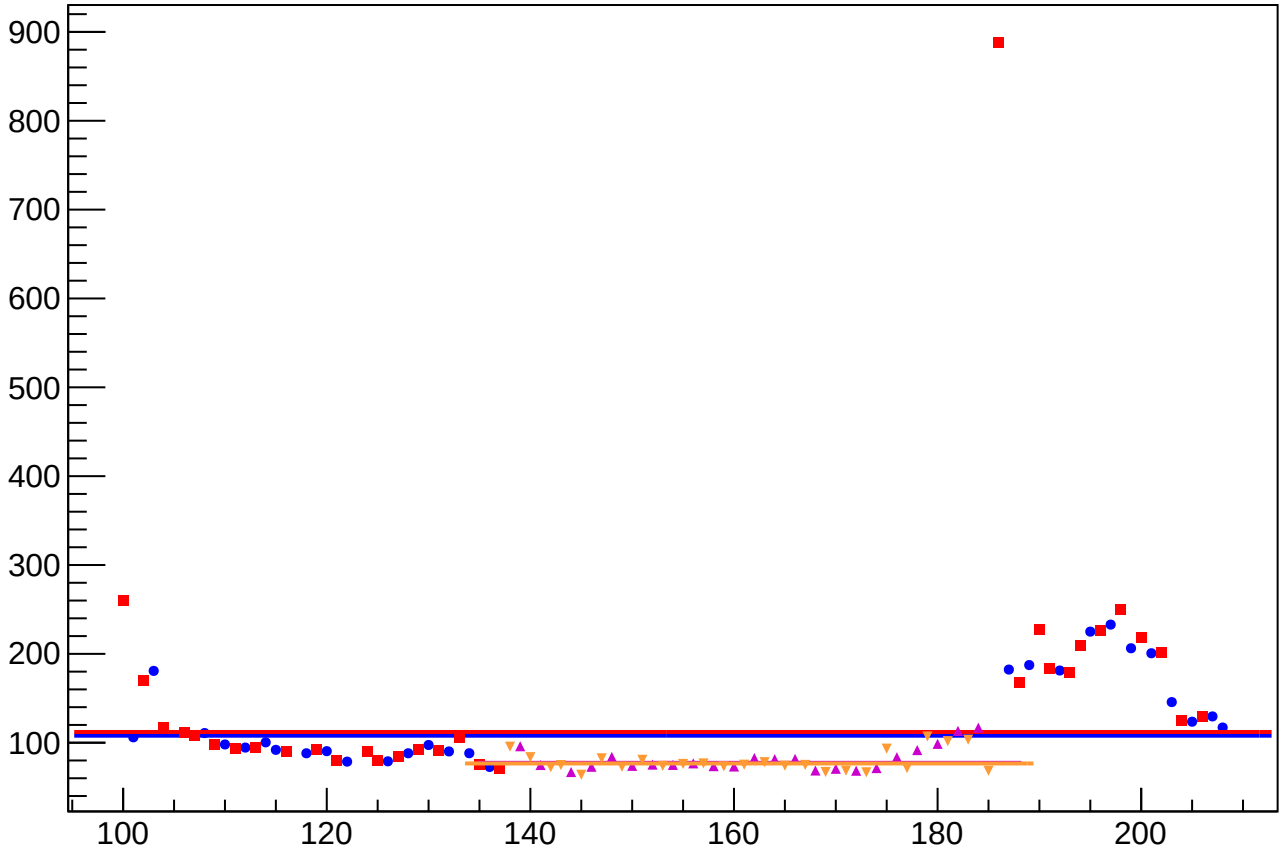
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 24.817+/-15.100 χ^2/NDF: 57.3/51

All: -15.514+/-10.871 χ^2/NDF: 148.8/105

- sign -58.907+/-15.663 χ^2/NDF: 76.7/53

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 107.902+/-0.021 χ^2/NDF: 3514013.2/26

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

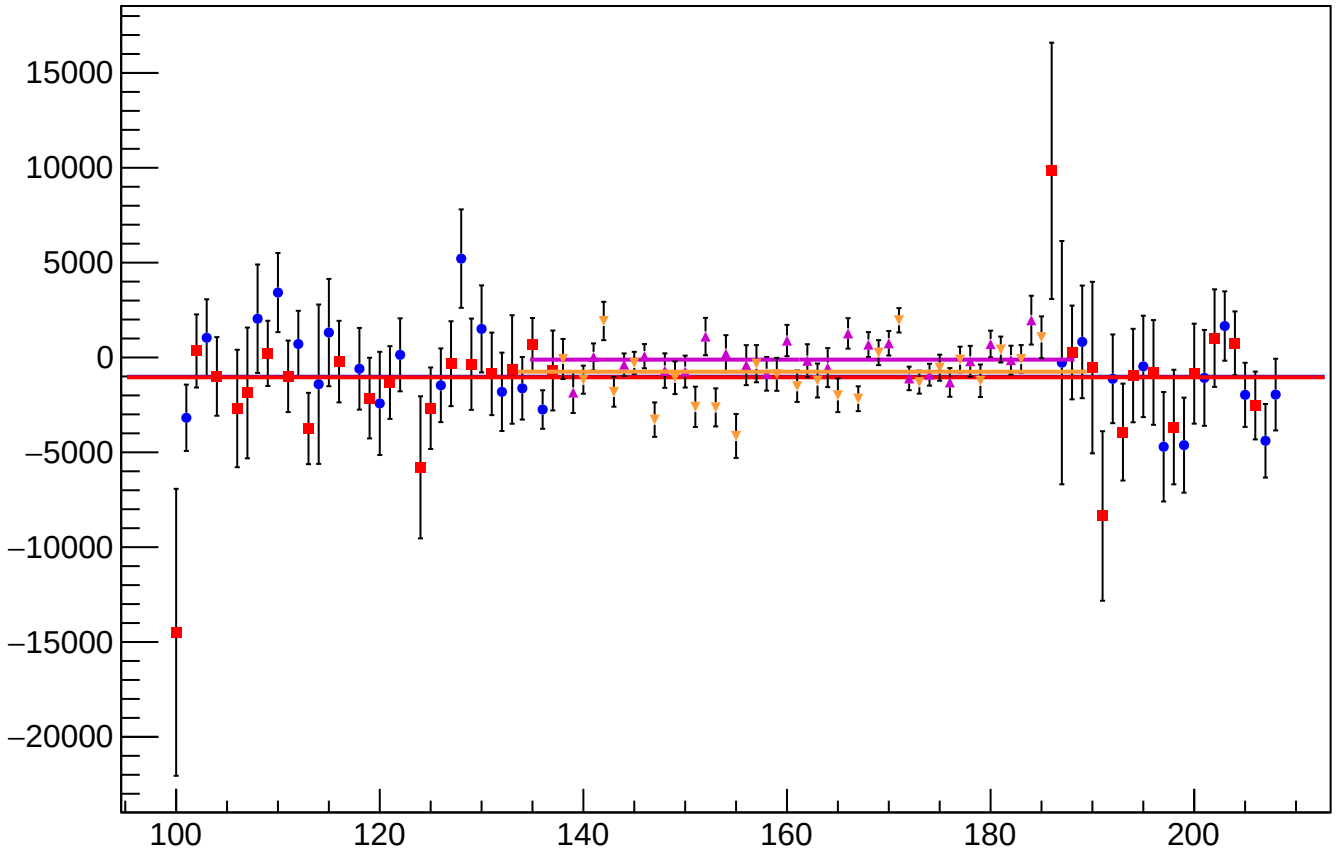
Right Out: 112.076+/-0.021 χ^2/NDF: 4608479.9/30

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 85.067+/-0.011 χ^2/NDF: 5855281.8/51

All: 85.846+/-0.008 χ^2/NDF: 12997884.5/105

- sign 86.684+/-0.011 χ^2/NDF: 7131551.6/53



Right In: -1017.130+/-397.879 χ^2/NDF: 30.6/26

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

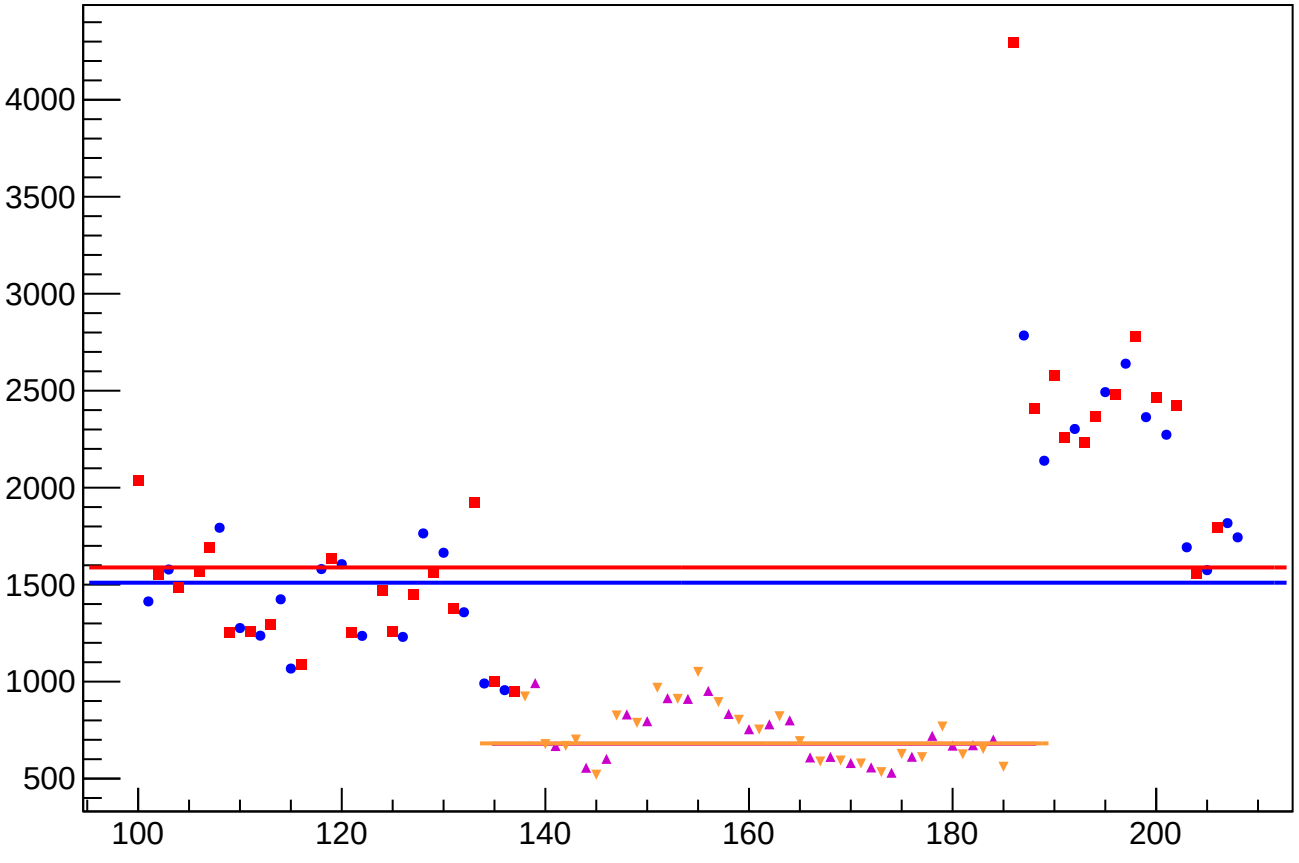
Right Out: -1044.421+/-413.326 χ^2/NDF: 21.1/30

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -786.101+/-146.910 χ^2/NDF: 101.0/51

All: -518.724+/-105.187 χ^2/NDF: 158.3/105

- sign -237.470+/-150.675 χ^2/NDF: 50.5/53



Right In: 1510.062+/-0.281 χ^2/NDF: 2564469.4/26

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1588.698+/-0.292 χ^2/NDF: 2998177.1/30

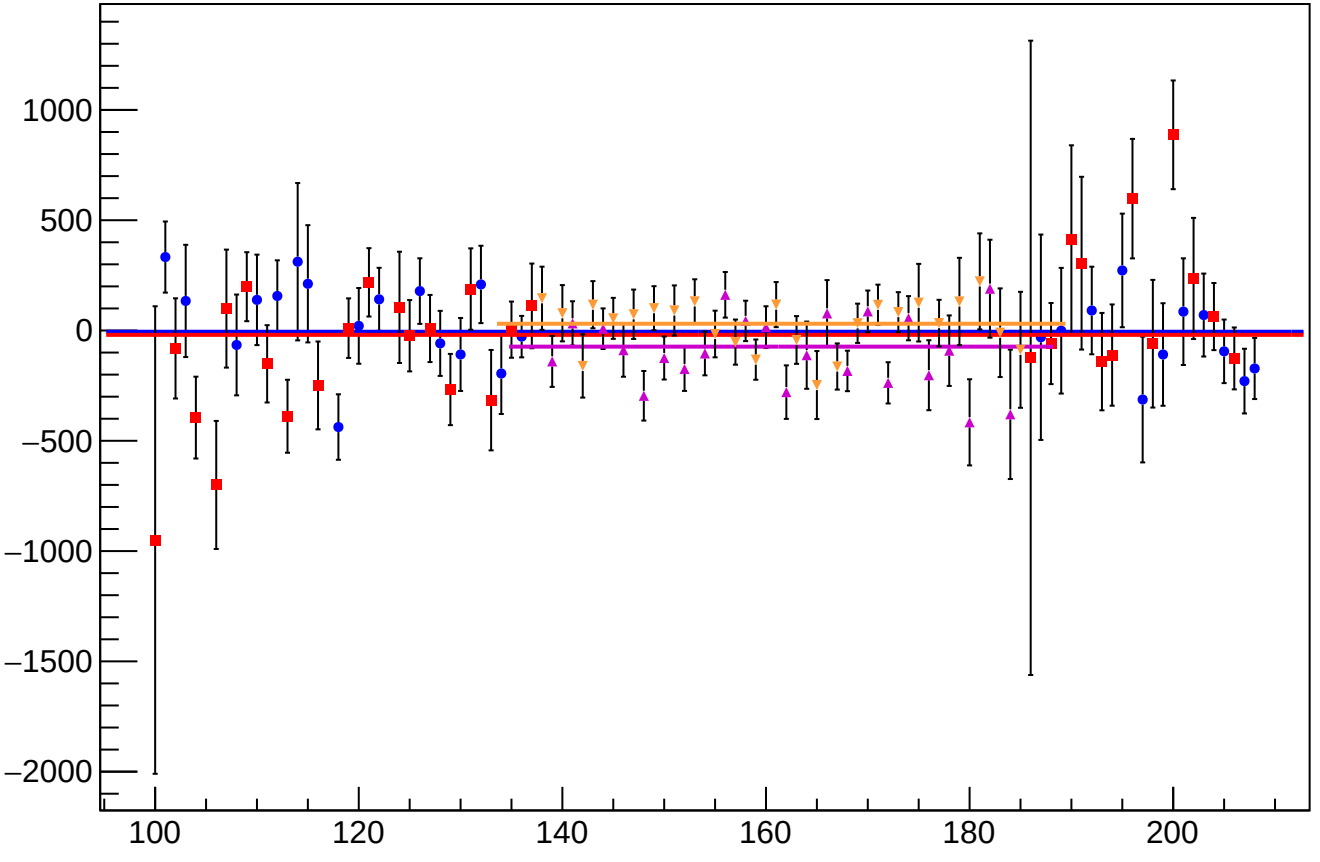
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 794.397+/-0.104 χ^2/NDF: 11390740.4/51

All: 797.249+/-0.074 χ^2/NDF: 23968723.6/10

- sign 800.249+/-0.107 χ^2/NDF: 12576436.9/53

dit_asym_sam_2468_avg_mean vs Slug



Right In: -5.641+/-33.925 χ^2/NDF: 29.2/26

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -19.703+/-35.121 χ^2/NDF: 50.7/30

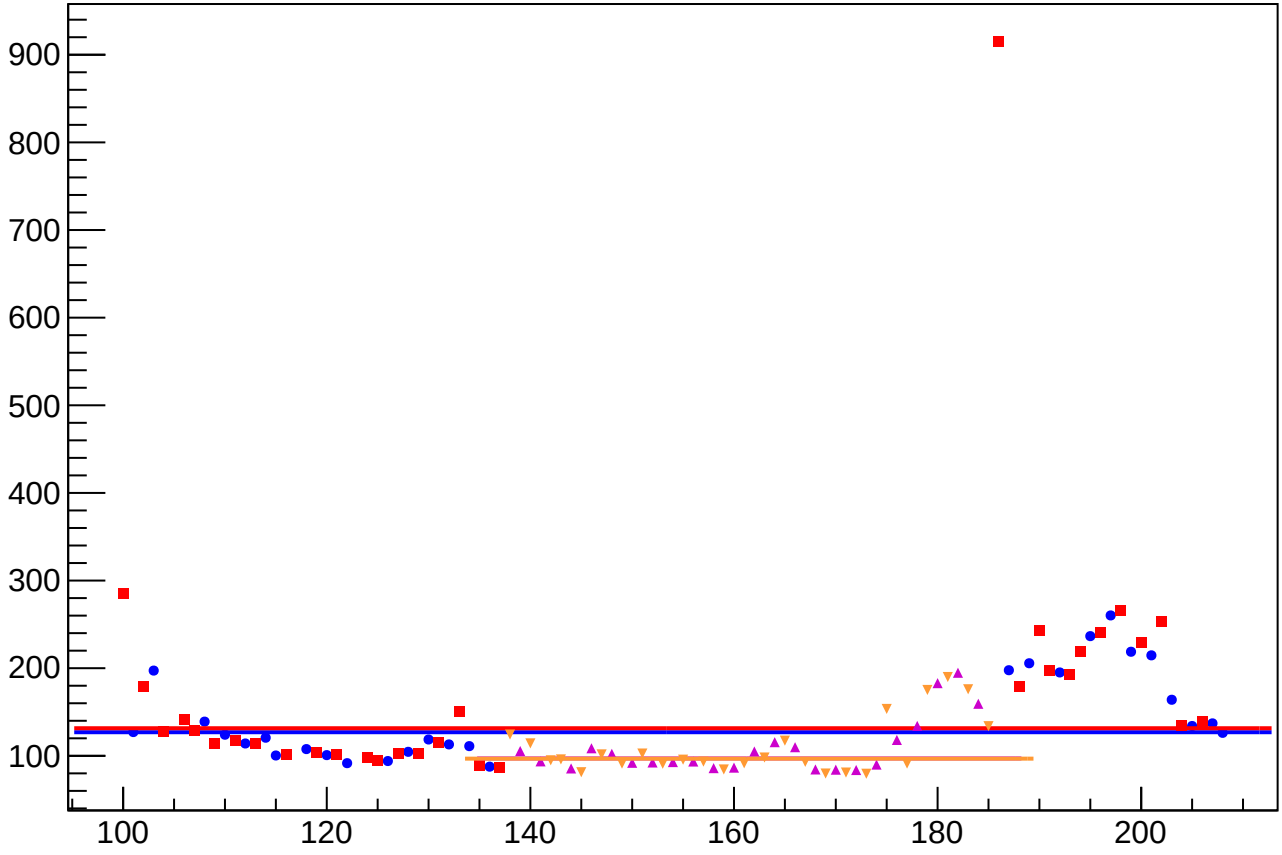
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 19.344+/-18.955 χ^2/NDF: 49.9/51

All: -17.485+/-13.604 χ^2/NDF: 144.5/105

- sign -56.609+/-19.537 χ^2/NDF: 86.8/53

dit_asym_sam_2468_avg_rms vs Slug



Right In: 126.950+/-0.024 χ^2/NDF: 2821920.4/26

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

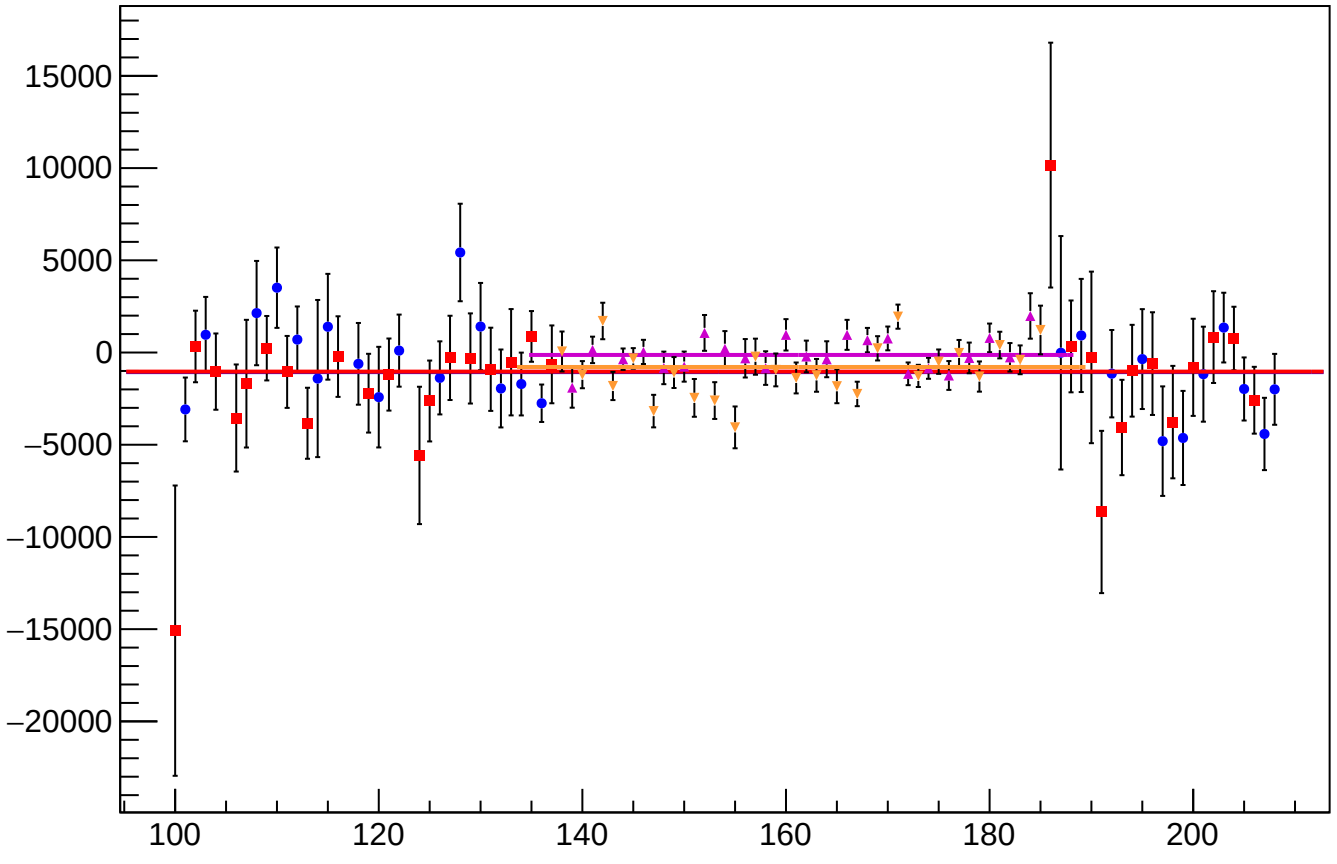
Right Out: 131.502+/-0.025 χ^2/NDF: 3875112.9/30

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 106.209+/-0.013 χ^2/NDF: 5629235.9/51

All: 106.926+/-0.010 χ^2/NDF: 12162978.8/10

- sign 107.688+/-0.014 χ^2/NDF: 6527838.5/53



Right In: -1062.016+/-404.015 χ^2/NDF: 29.8/26

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -1035.567+/-416.855 χ^2/NDF: 22.5/30

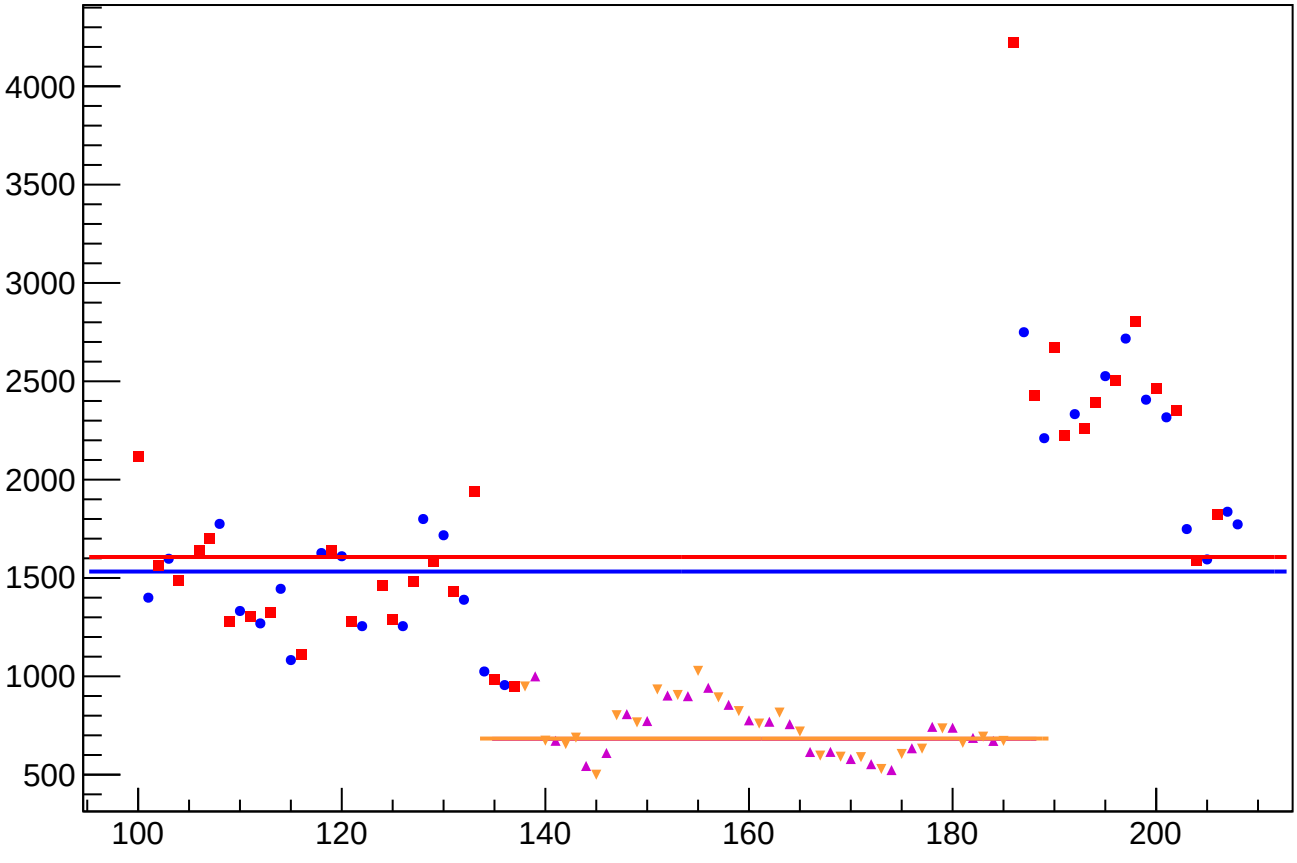
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -820.801+/-147.413 χ^2/NDF: 96.5/51

All: -543.146+/-105.594 χ^2/NDF: 154.7/105

- sign -250.542+/-151.330 χ^2/NDF: 50.9/53

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1532.773+/-0.286 χ^2/NDF: 2605660.5/26

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1606.691+/-0.295 χ^2/NDF: 2971013.0/30

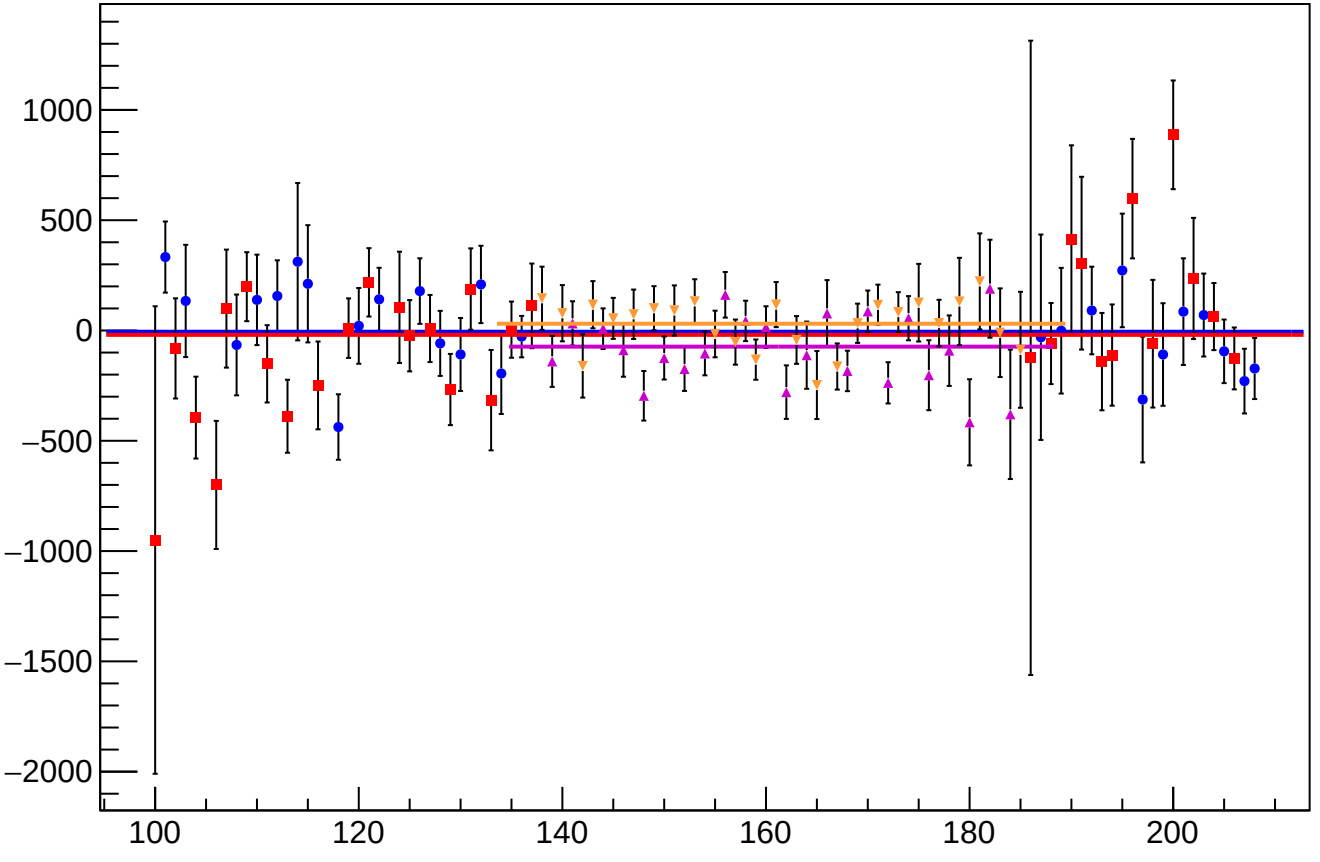
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 796.736+/-0.104 χ^2/NDF: 11561016.4/51

All: 800.190+/-0.075 χ^2/NDF: 24265494.3/10

- sign 803.831+/-0.107 χ^2/NDF: 12702222.2/53

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: -5.639+/-33.925 χ^2/NDF: 29.2/26

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -19.702+/-35.121 χ^2/NDF: 50.7/30

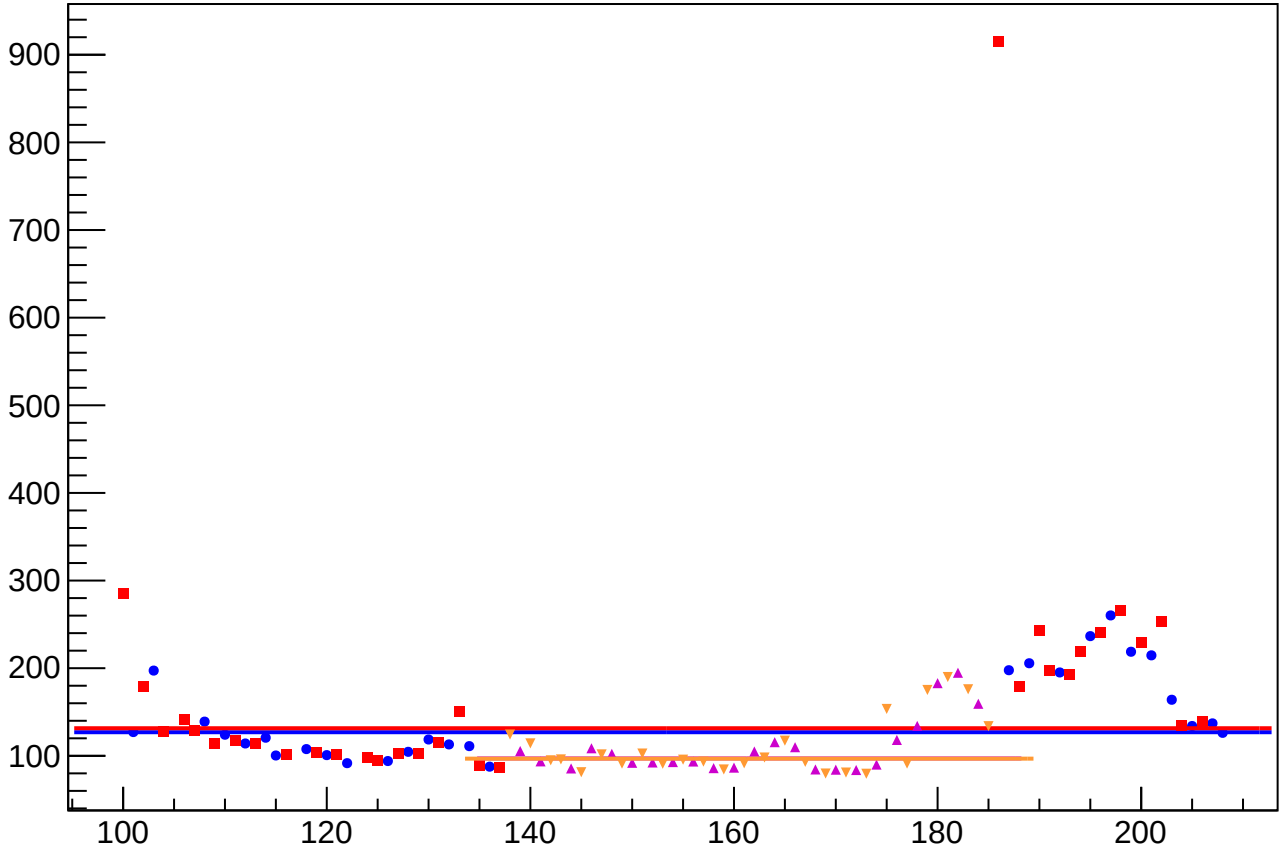
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 19.344+/-18.955 χ^2/NDF: 49.9/51

All: -17.484+/-13.604 χ^2/NDF: 144.5/105

- sign -56.608+/-19.537 χ^2/NDF: 86.8/53

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 126.949+/-0.024 χ^2/NDF: 2821939.0/26

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

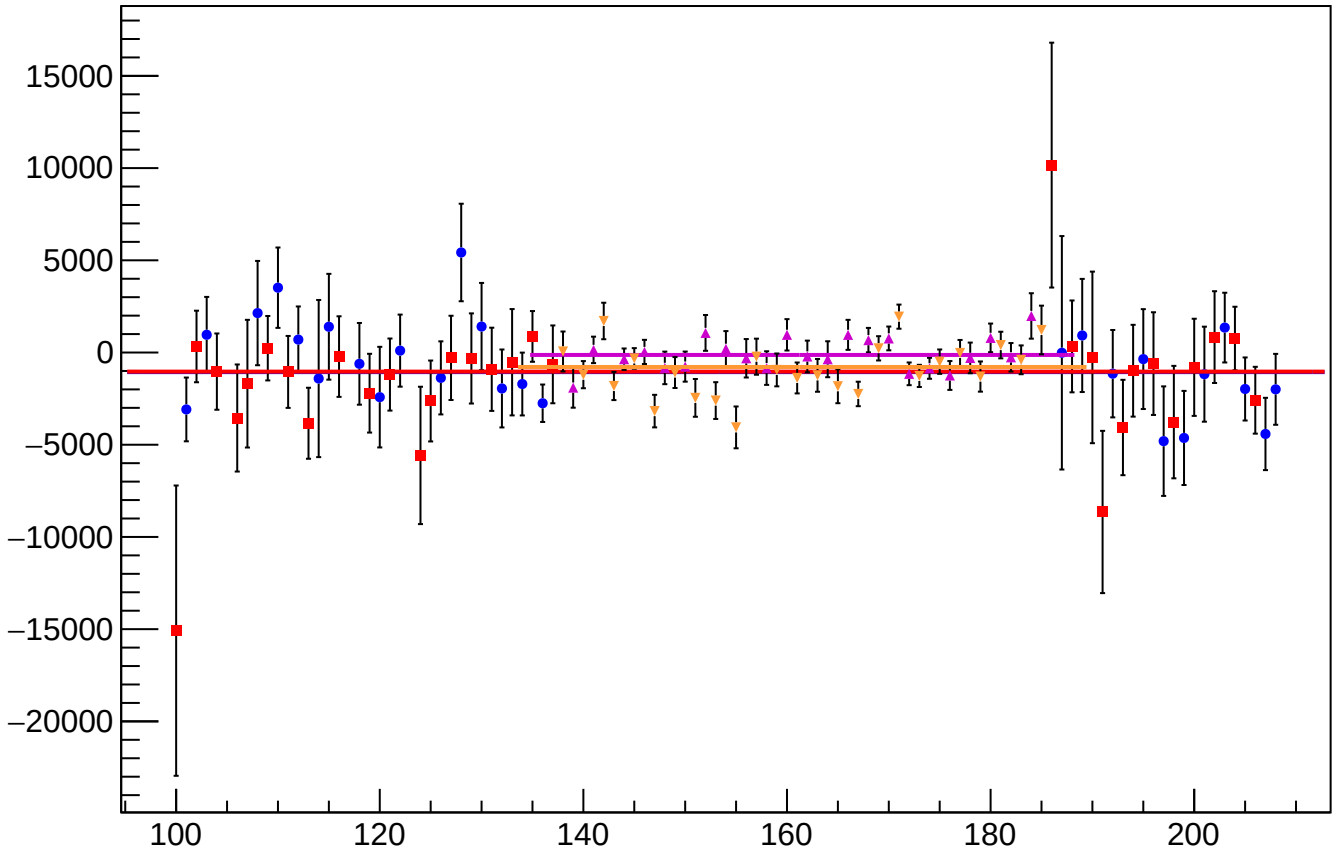
Right Out: 131.501+/-0.025 χ^2/NDF: 3875149.5/30

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 106.209+/-0.013 χ^2/NDF: 5629189.8/51

All: 106.926+/-0.010 χ^2/NDF: 12162886.2/10

- sign 107.688+/-0.014 χ^2/NDF: 6527791.8/53



Right In: -1062.010+/-404.014 χ^2/NDF: 29.8/26

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: -1035.567+/-416.854 χ^2/NDF: 22.5/30

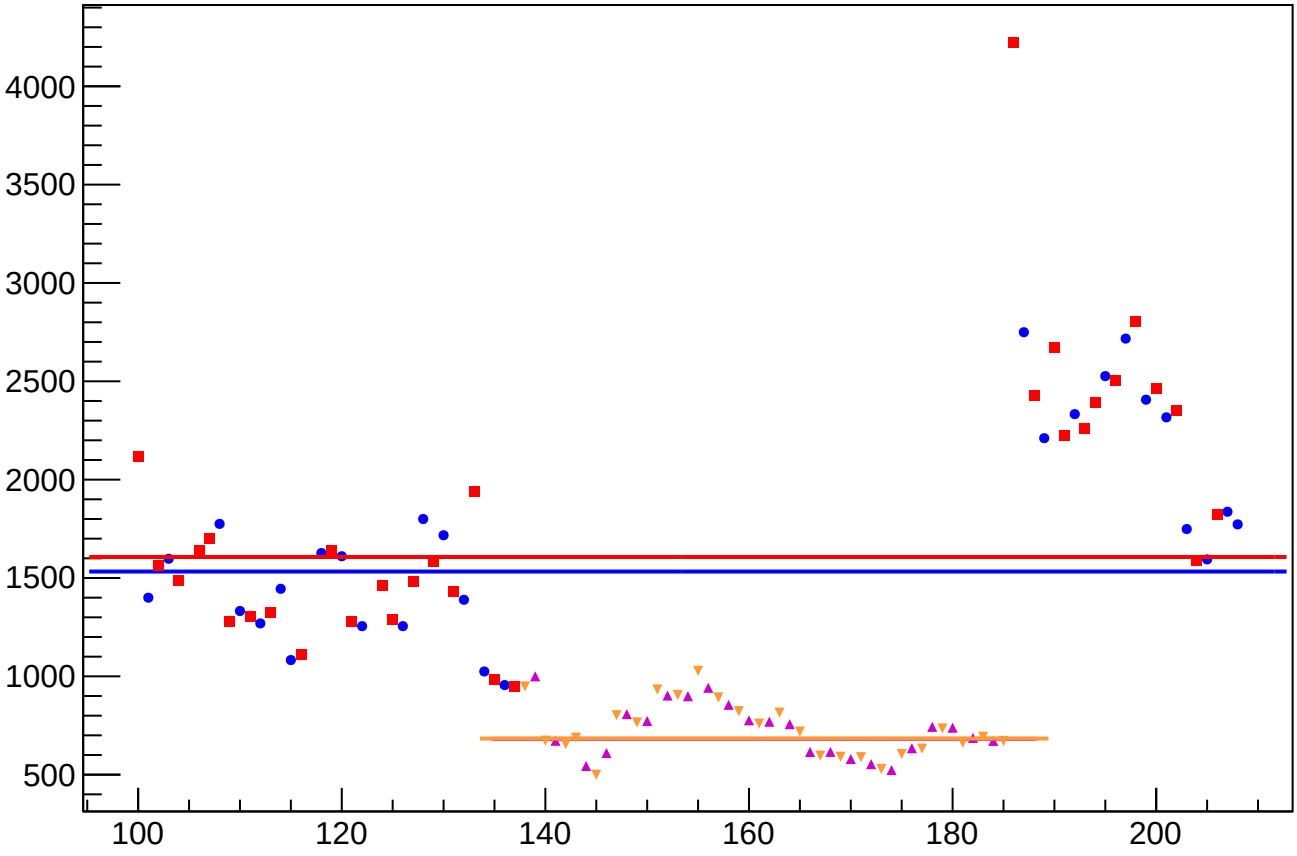
Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -820.798+/-147.413 χ^2/NDF: 96.5/51

All: -543.144+/-105.594 χ^2/NDF: 154.7/105

- sign -250.541+/-151.329 χ^2/NDF: 50.9/53

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1532.770+/-0.286 χ^2/NDF: 2605668.3/26

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1606.688+/-0.295 χ^2/NDF: 2971023.3/30

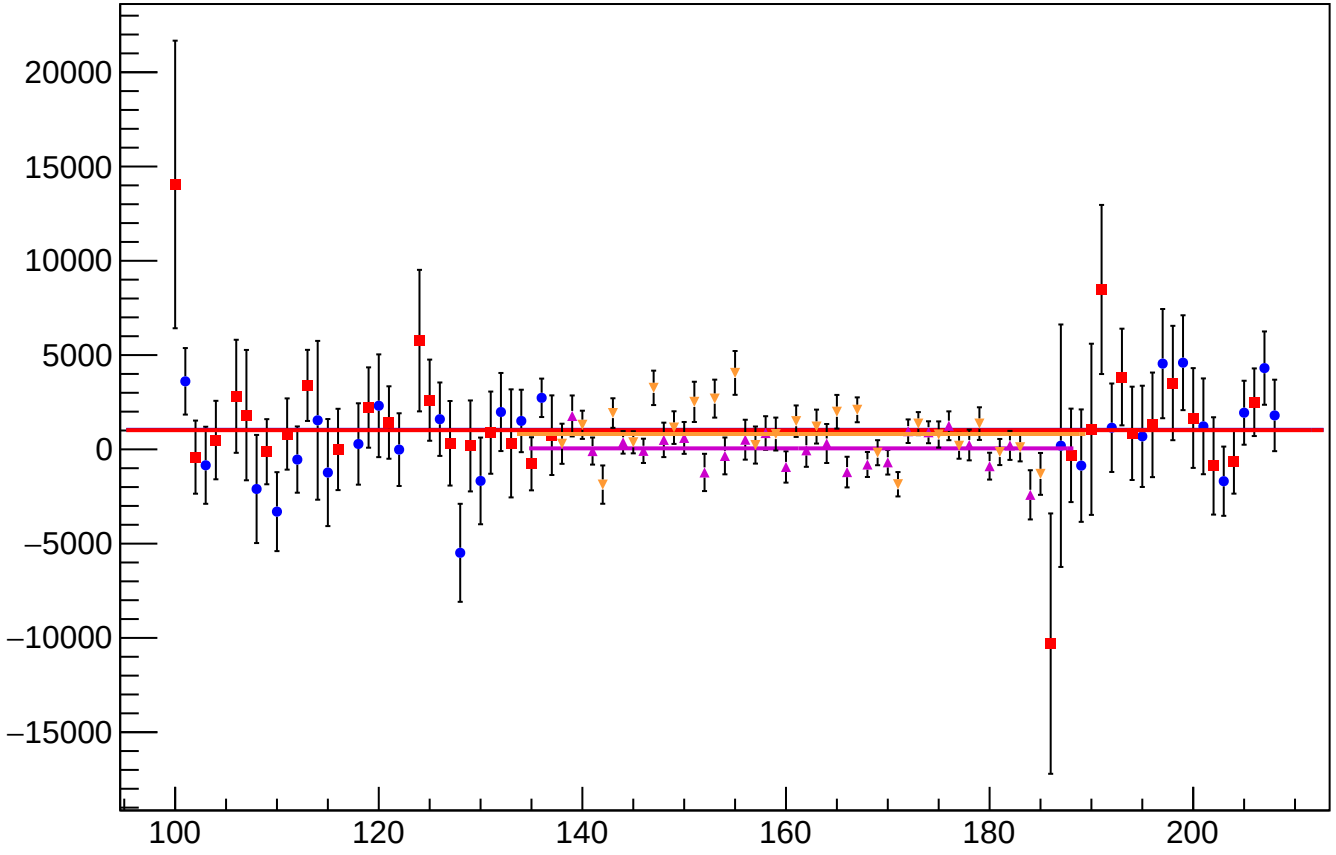
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 796.734+/-0.104 χ^2/NDF: 11561034.4/51

All: 800.188+/-0.075 χ^2/NDF: 24265524.9/10

- sign 803.829+/-0.107 χ^2/NDF: 12702234.8/53

asym_sam_2468_avg_mean vs Slug



Right In: 1035.510+/-399.305 χ^2/NDF: 30.8/26

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 1018.096+/-414.405 χ^2/NDF: 20.5/30

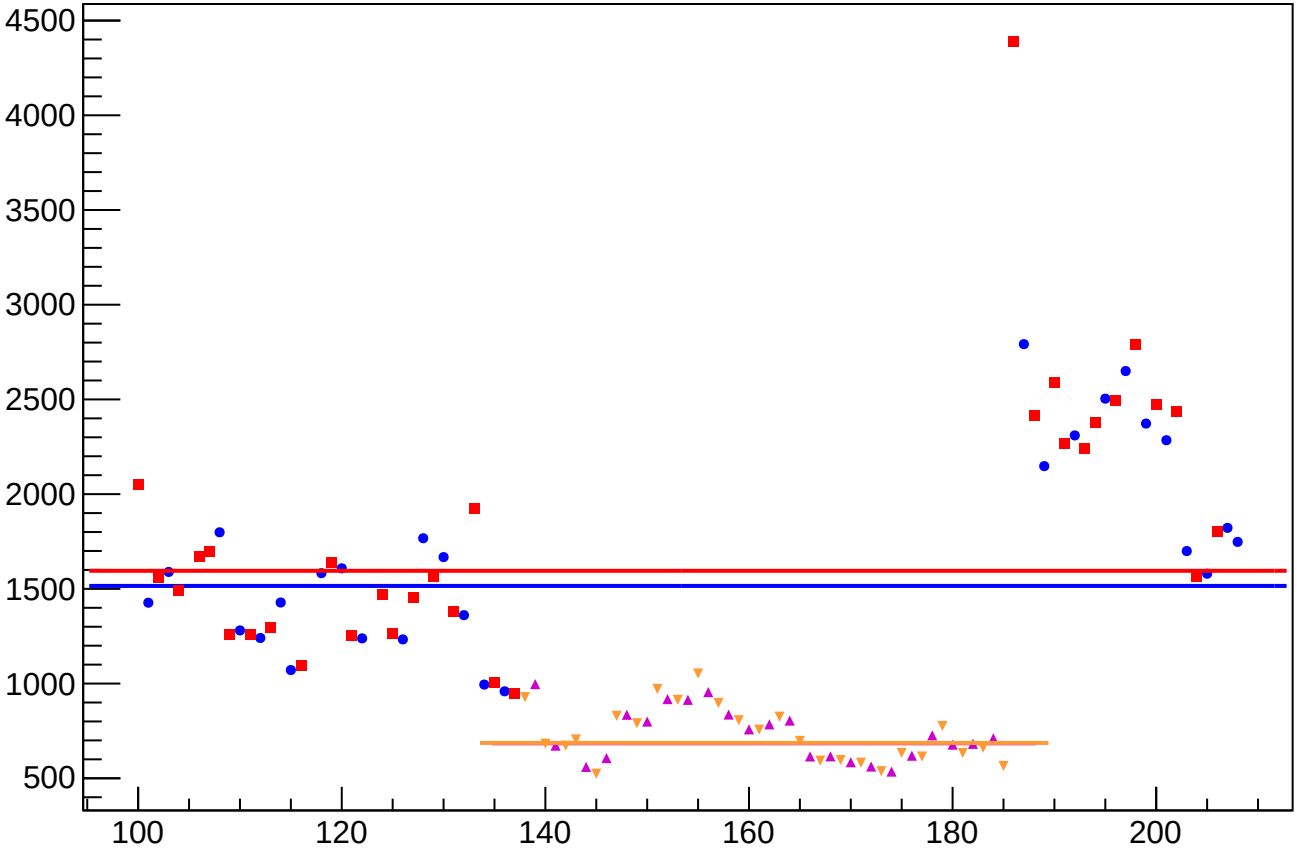
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 844.457+/-147.925 χ^2/NDF: 96.8/51

All: 521.484+/-105.914 χ^2/NDF: 157.2/105

- sign 181.741+/-151.717 χ^2/NDF: 50.6/53

asym_sam_2468_avg_rms vs Slug



Right In: 1515.476+/-0.282 χ^2/NDF: 2565547.5/26

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

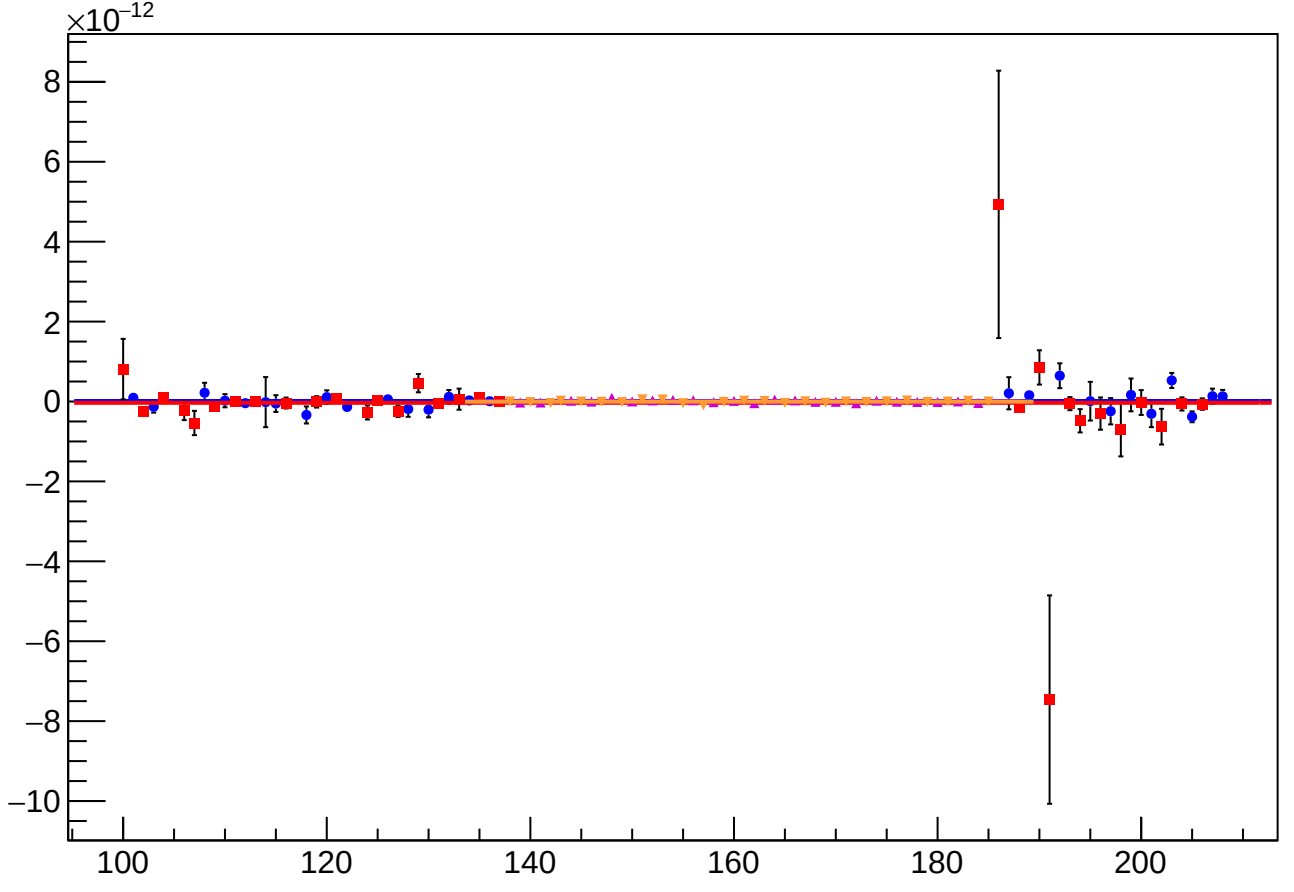
Right Out: 1595.377+/-0.293 χ^2/NDF: 3011511.8/30

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 800.439+/-0.105 χ^2/NDF: 11311155.5/51

All: 803.547+/-0.075 χ^2/NDF: 23852429.5/10

- sign 806.817+/-0.107 χ^2/NDF: 12539462.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 35.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

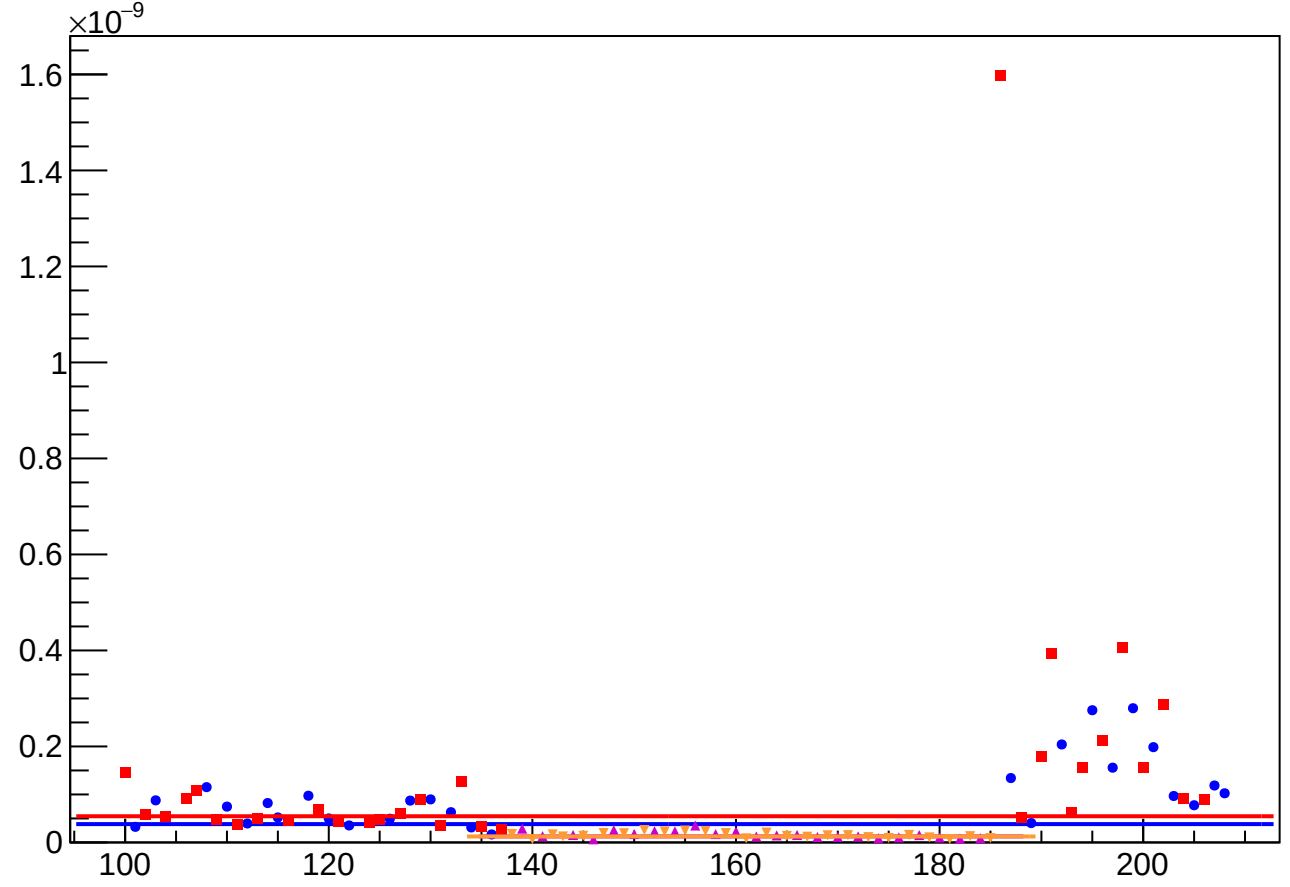
Right Out: -0.000+/-0.000 χ^2/NDF: 45.8/30

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.9/51

All: -0.000+/-0.000 χ^2/NDF: 120.8/105

- sign -0.000+/-0.000 χ^2/NDF: 67.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 5750021.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

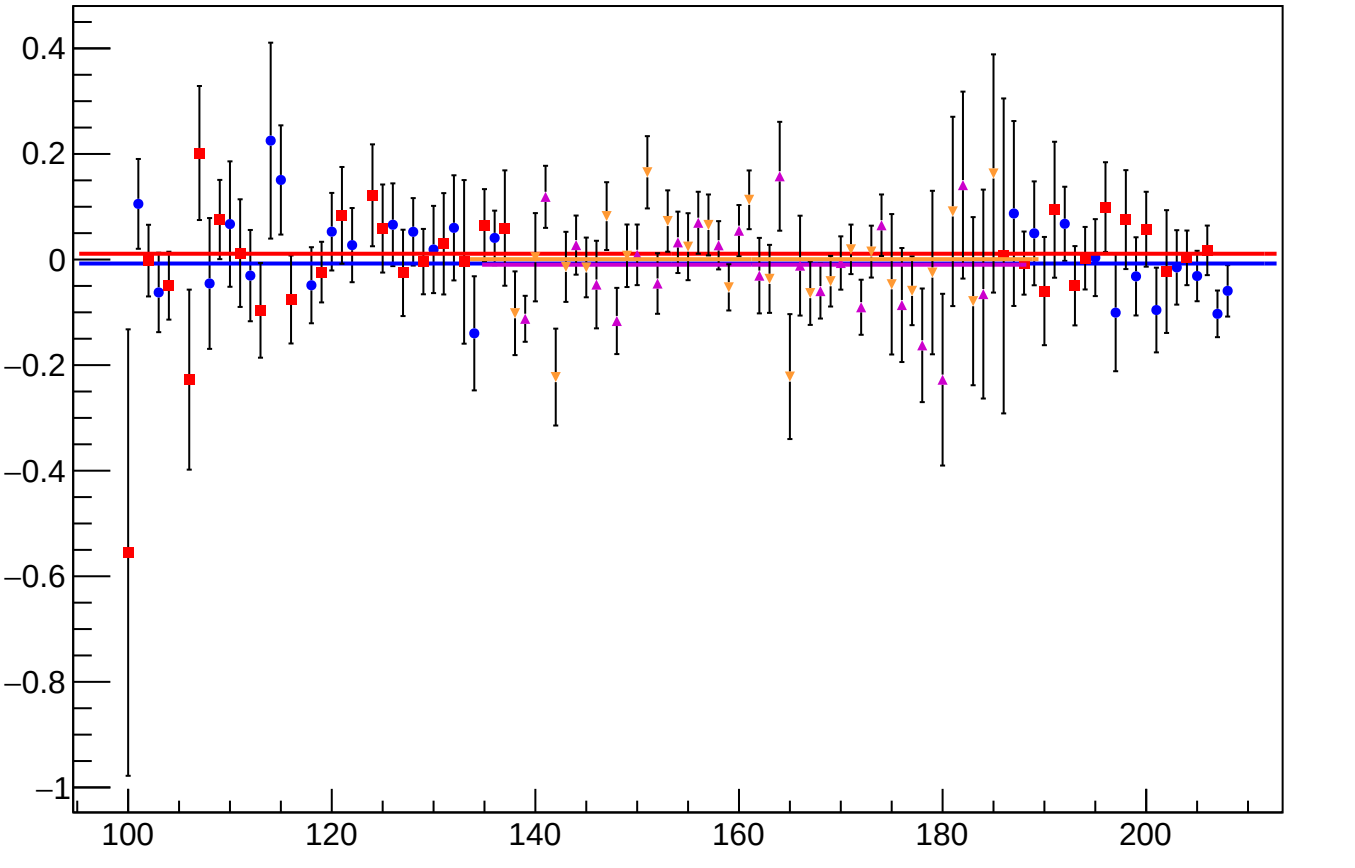
Right Out: 0.000+/-0.000 χ^2/NDF: 3557959.1/30

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10484800.7/51

All: 0.000+/-0.000 χ^2/NDF: 21037484.2/105

- sign 0.000+/-0.000 χ^2/NDF: 10548808.6/53



Right In: -0.008+/-0.014 χ^2/NDF: 22.6/26

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.011+/-0.014 χ^2/NDF: 17.7/30

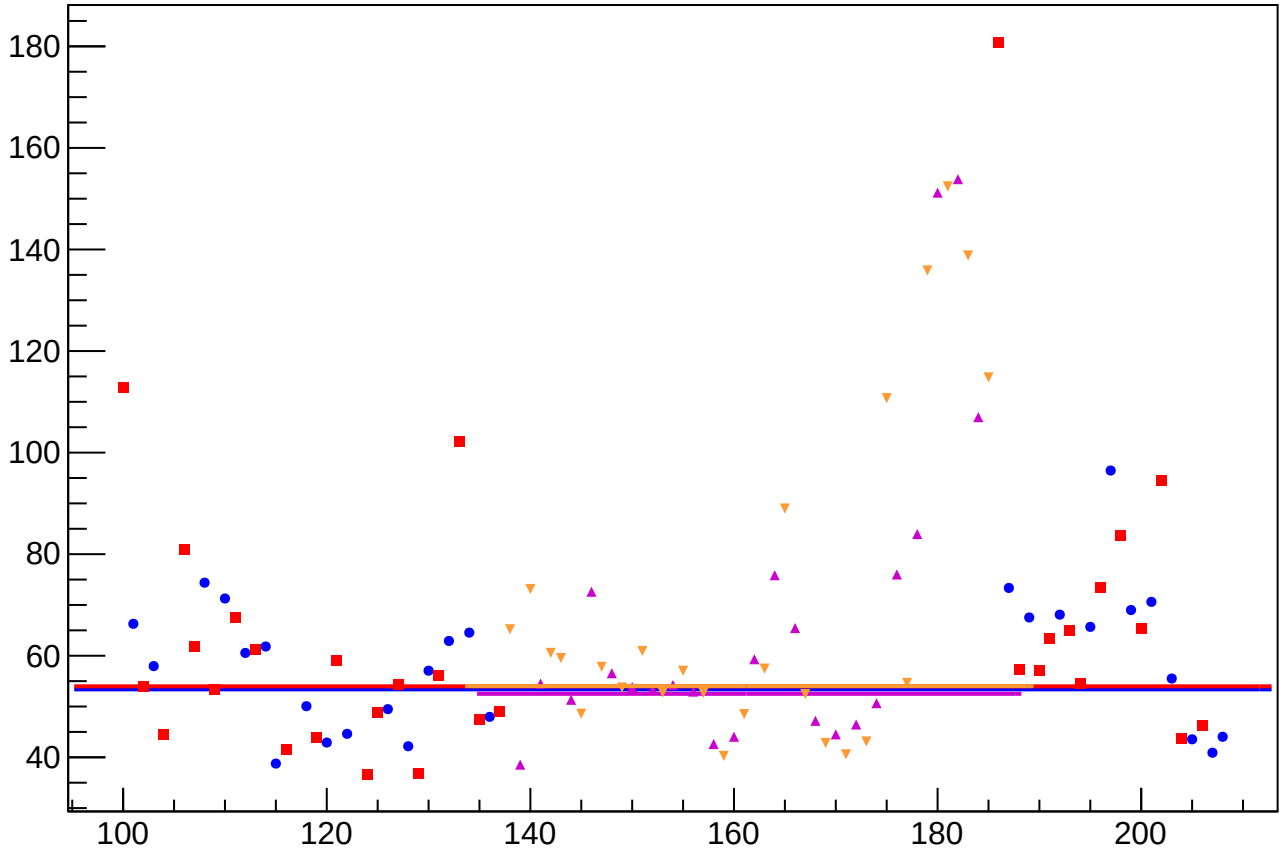
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.003+/-0.010 χ^2/NDF: 54.4/51

All: -0.002+/-0.007 χ^2/NDF: 105.2/105

- sign -0.000+/-0.010 χ^2/NDF: 50.8/53

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 53.380+/-0.010 χ^2/NDF: 1436516.5/26

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

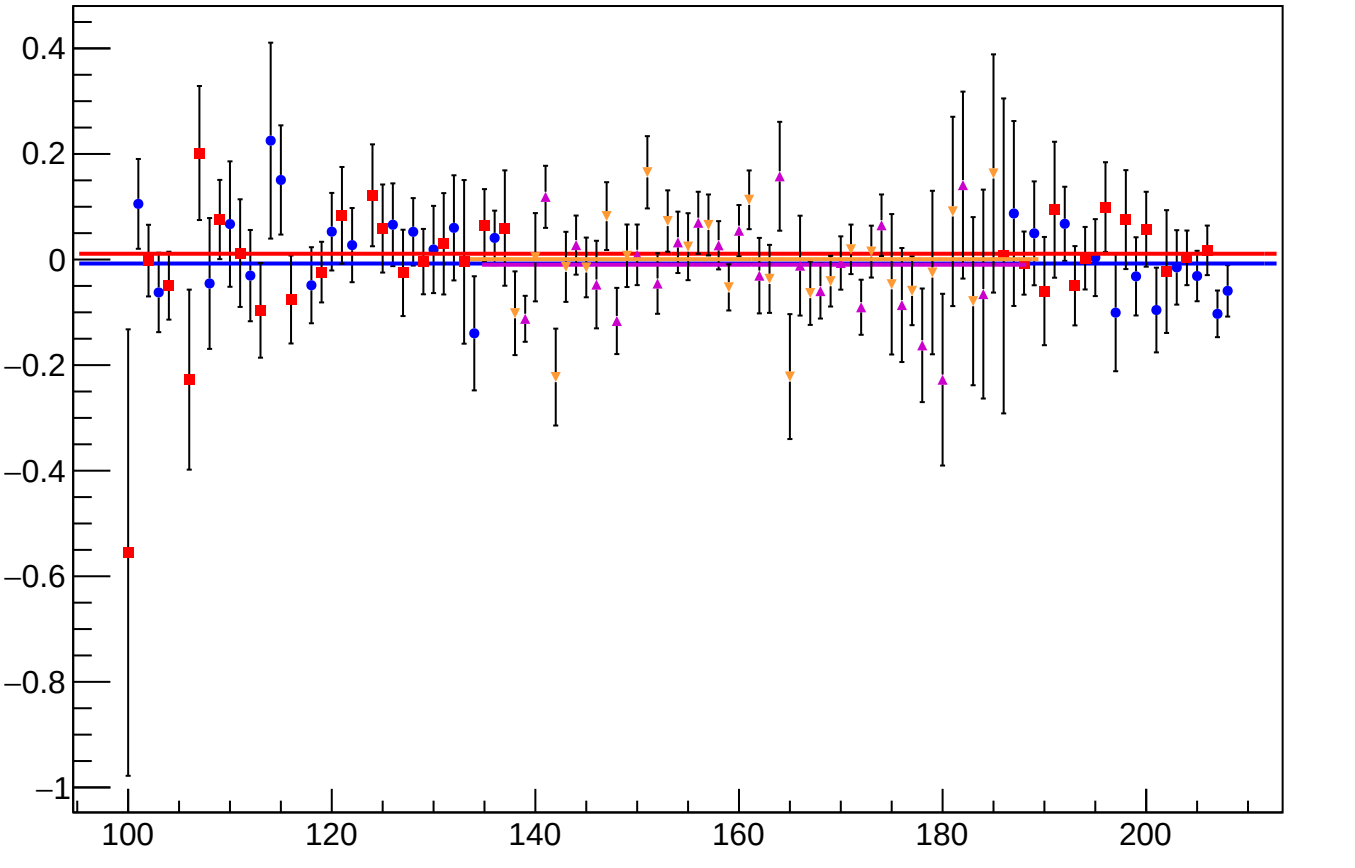
Right Out: 53.978+/-0.010 χ^2/NDF: 1897144.4/30

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.721+/-0.007 χ^2/NDF: 4666189.2/51

All: 53.452+/-0.005 χ^2/NDF: 9135668.4/105

- sign 53.183+/-0.007 χ^2/NDF: 4466404.2/53



Right In: -0.008+/-0.014 χ^2/NDF: 22.6/26

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

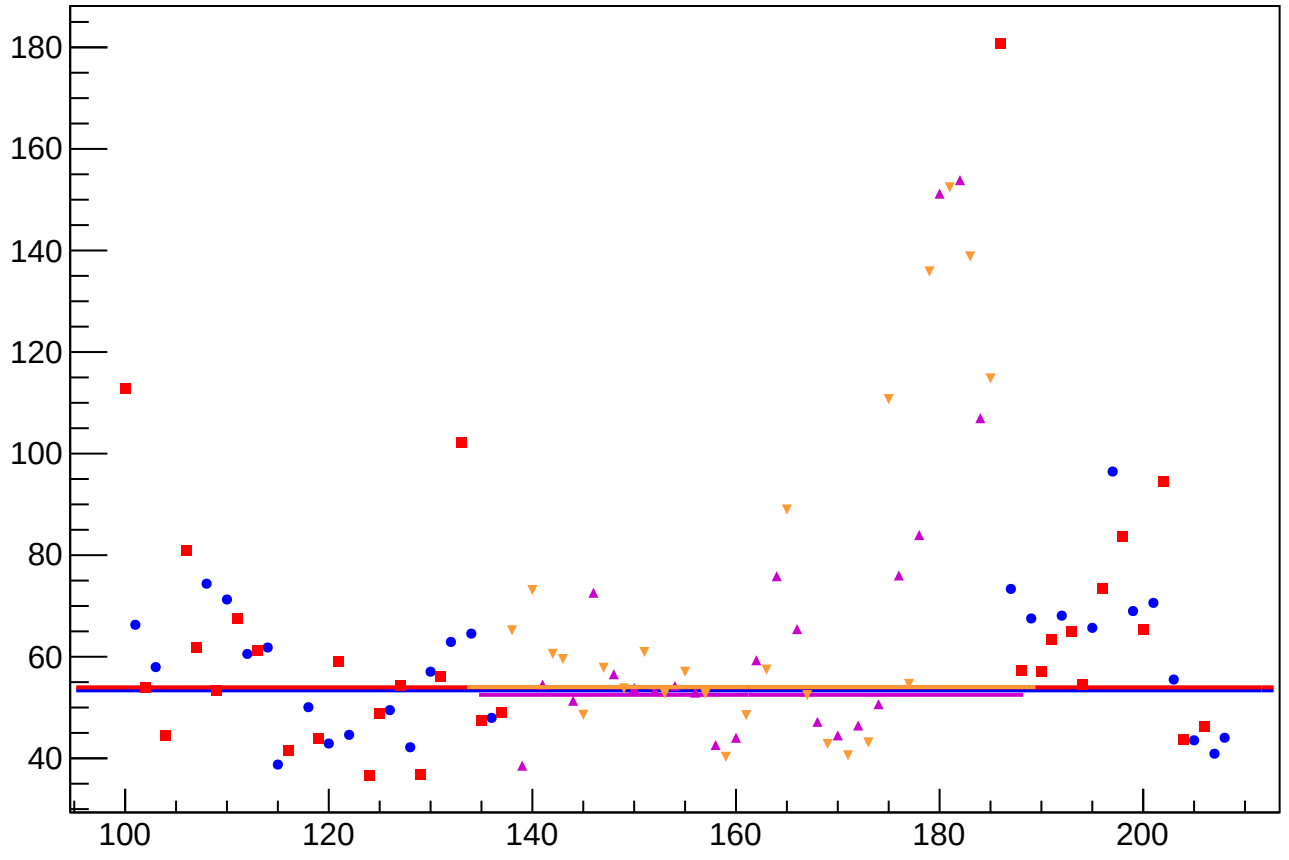
Right Out: 0.011+/-0.014 χ^2/NDF: 17.7/30

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.003+/-0.010 χ^2/NDF: 54.4/51

All: -0.002+/-0.007 χ^2/NDF: 105.2/105

- sign -0.000+/-0.010 χ^2/NDF: 50.8/53



Right In: 53.380+/-0.010 χ^2/NDF: 1436516.5/26

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

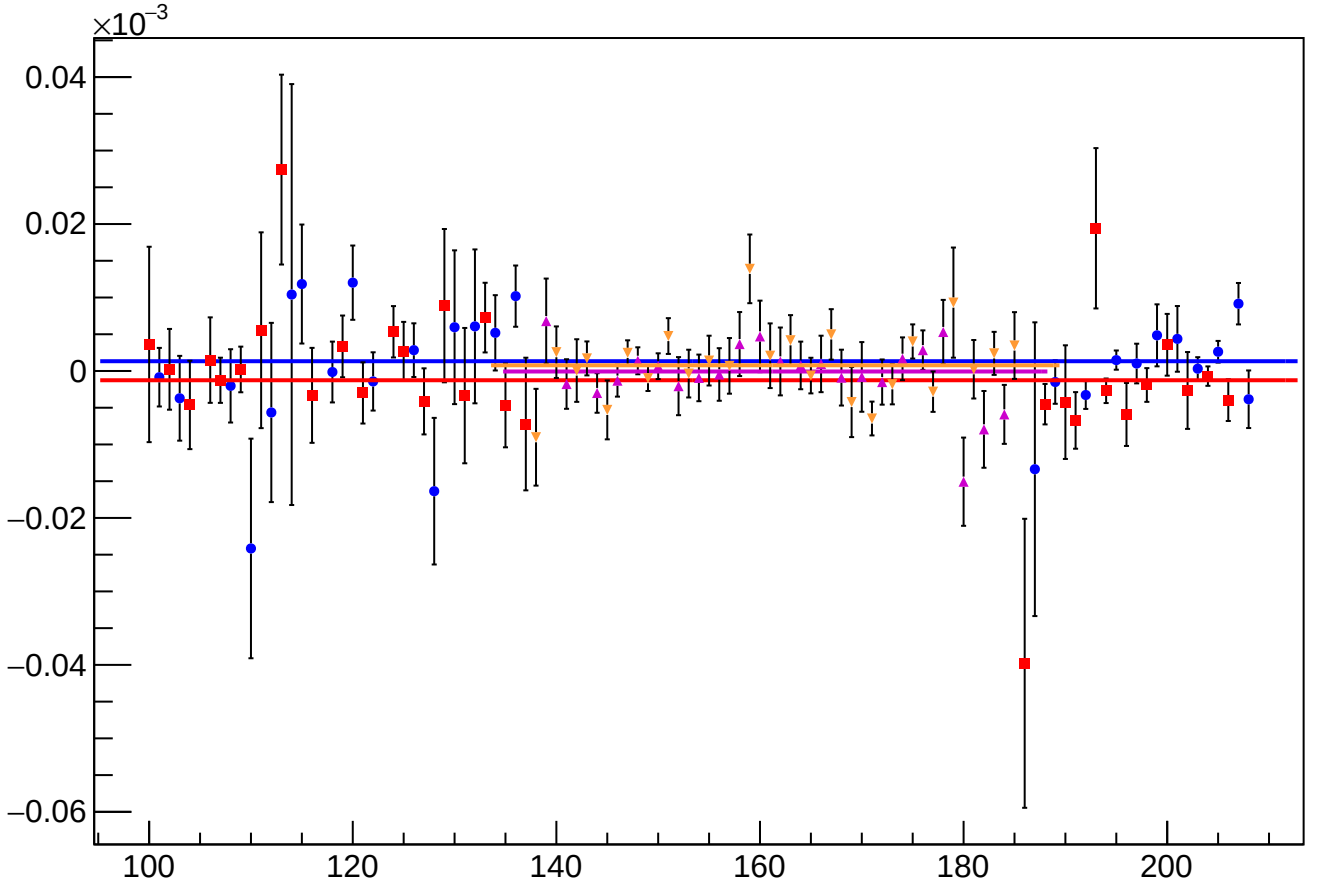
Right Out: 53.978+/-0.010 χ^2/NDF: 1897144.4/30

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.721+/-0.007 χ^2/NDF: 4666189.2/51

All: 53.452+/-0.005 χ^2/NDF: 9135668.4/105

- sign 53.183+/-0.007 χ^2/NDF: 4466404.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 39.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

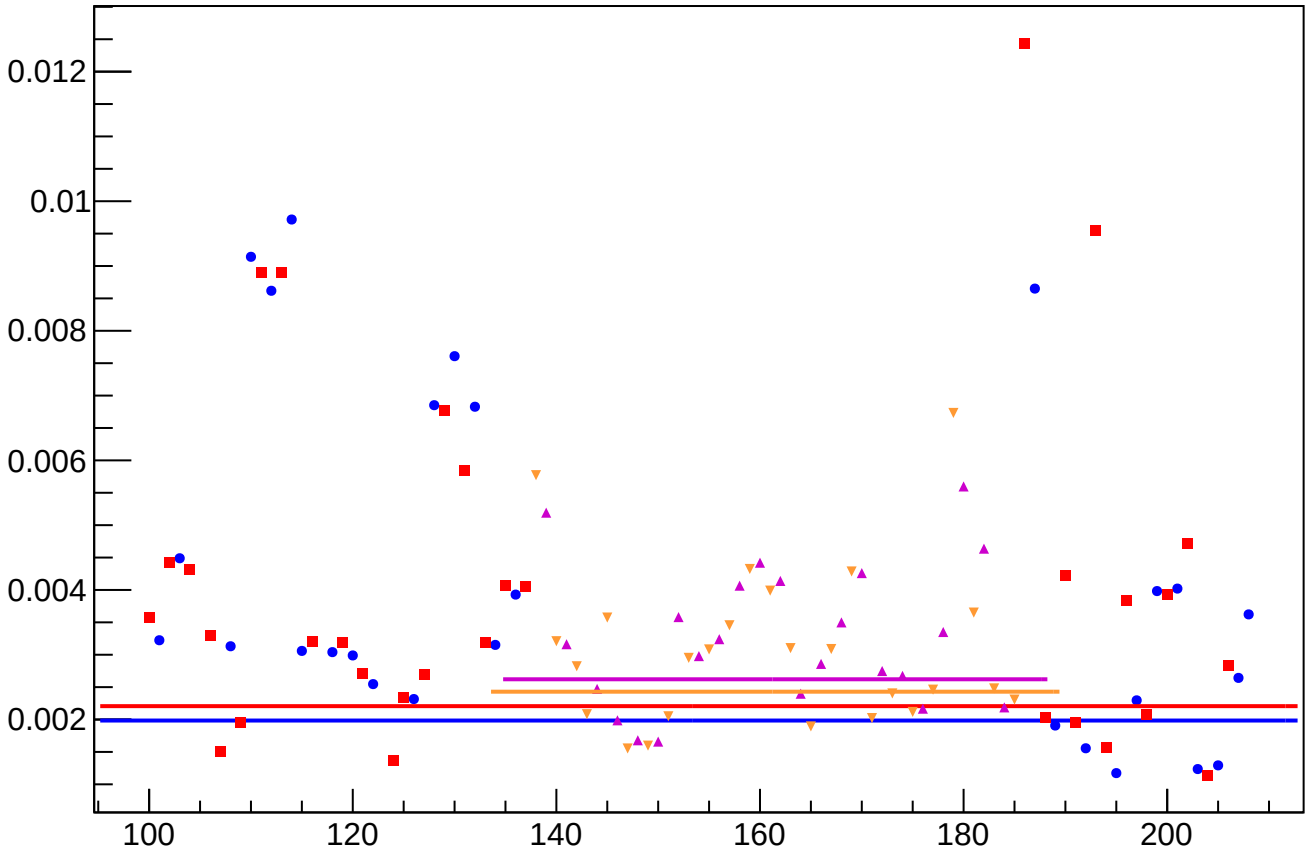
Right Out: -0.000+/-0.000 χ^2/NDF: 33.1/30

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.1/51

All: 0.000+/-0.000 χ^2/NDF: 140.7/105

- sign -0.000+/-0.000 χ^2/NDF: 55.0/53



Right In: 0.002+/-0.000 χ^2/NDF: 7536726.0/26

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

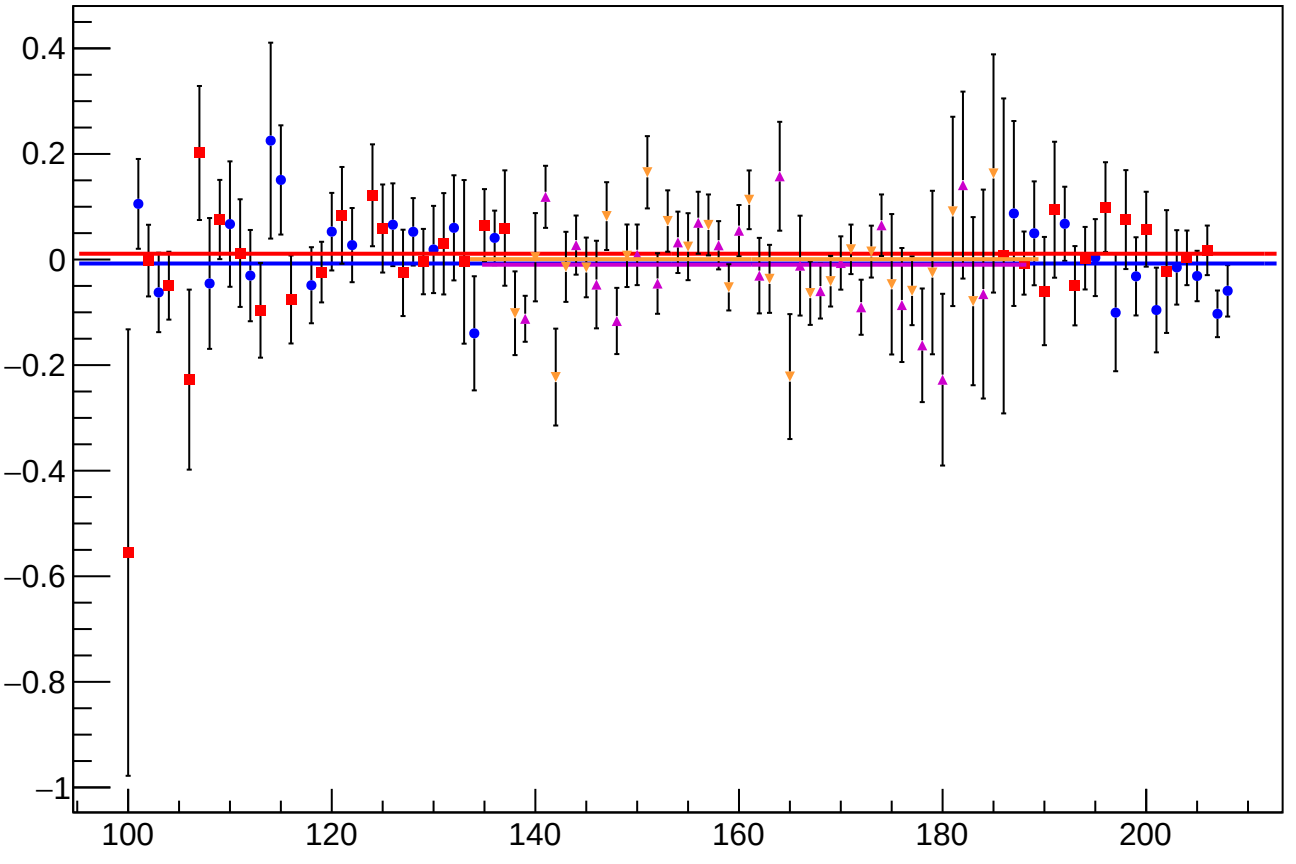
Right Out: 0.002+/-0.000 χ^2/NDF: 7631869.9/30

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 12316965.7/51

All: 0.002+/-0.000 χ^2/NDF: 24511040.6/105

- sign 0.002+/-0.000 χ^2/NDF: 11988383.3/53



Right In: -0.008+/-0.014 χ^2/NDF: 22.6/26

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

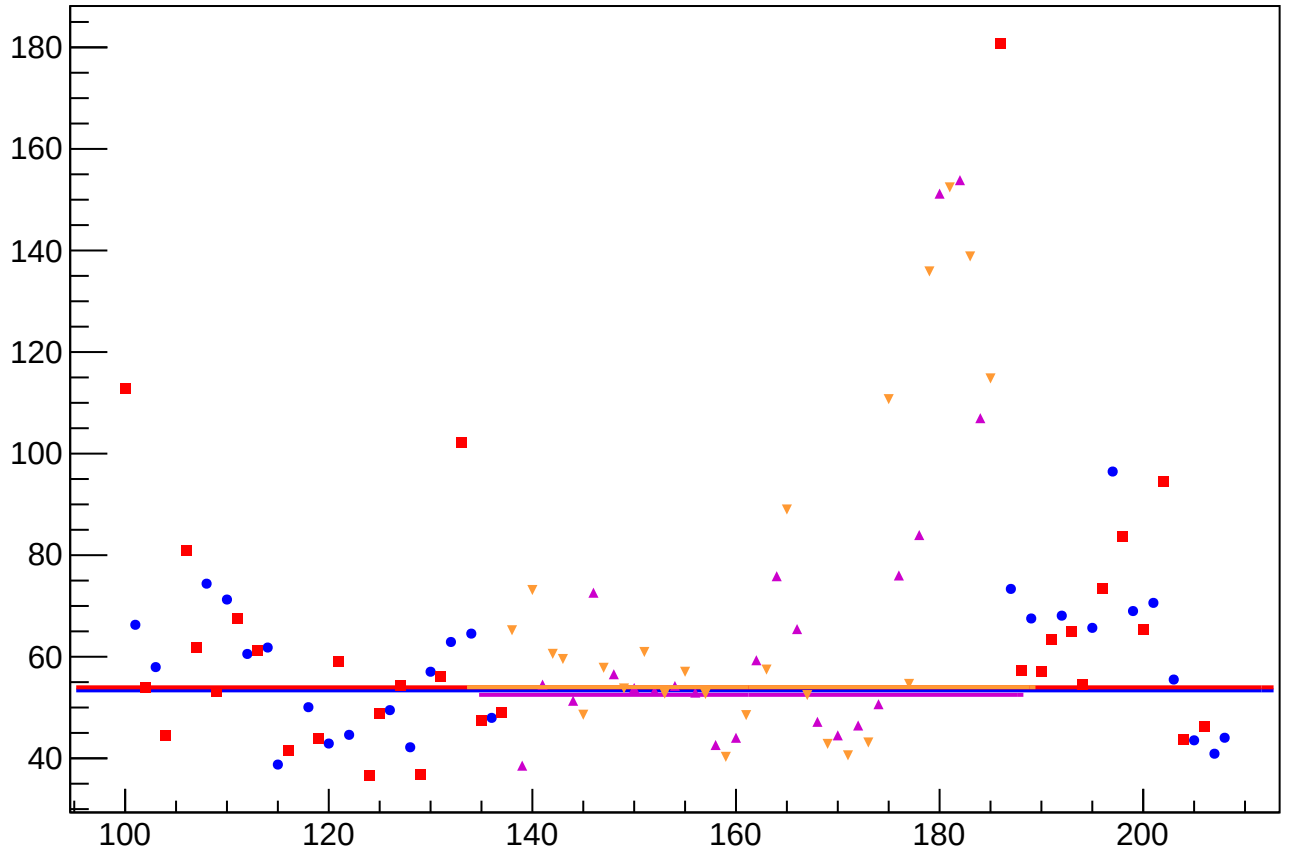
Right Out: 0.011+/-0.014 χ^2/NDF: 17.7/30

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.003+/-0.010 χ^2/NDF: 54.4/51

All: -0.002+/-0.007 χ^2/NDF: 105.2/105

- sign -0.000+/-0.010 χ^2/NDF: 50.8/53



Right In: 53.380+/-0.010 χ^2/NDF: 1436448.5/26

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

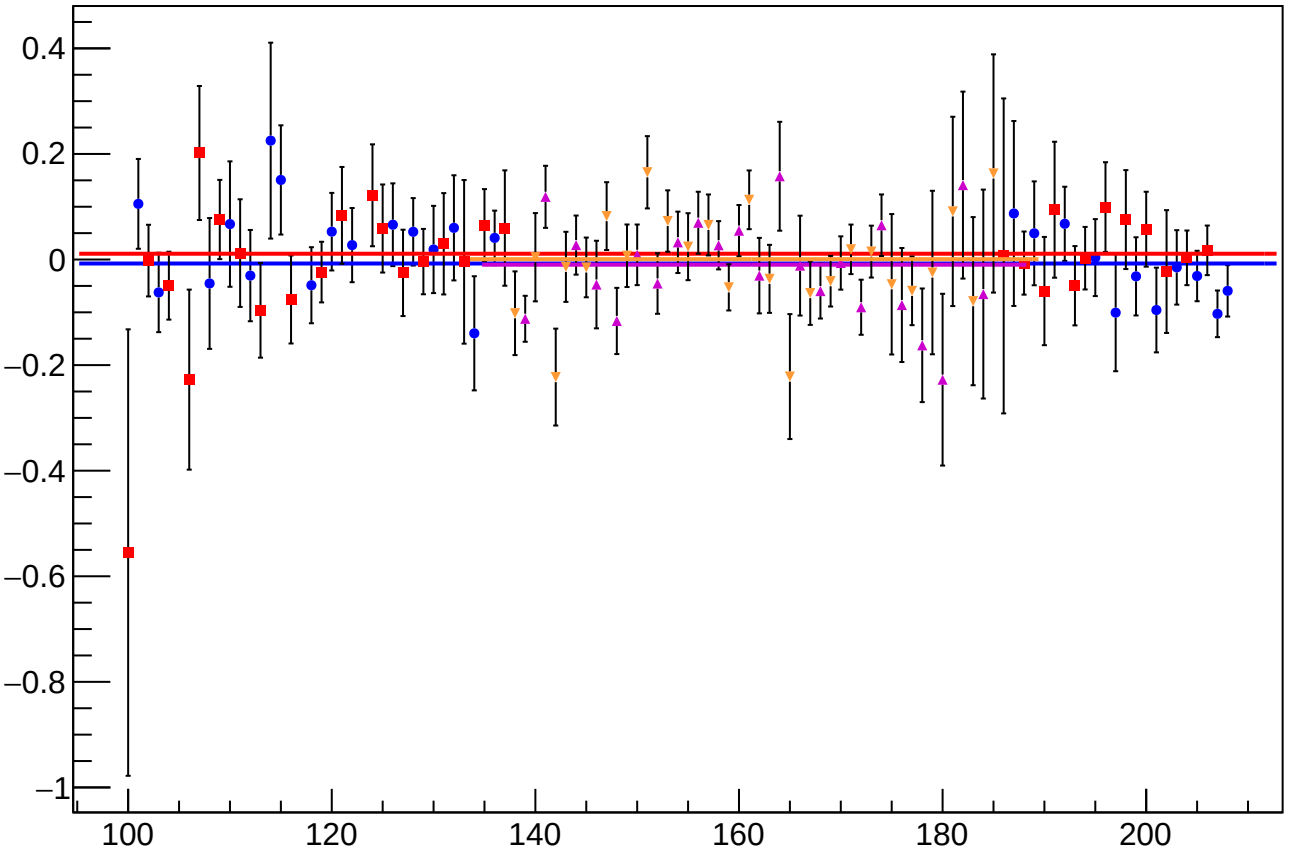
Right Out: 53.977+/-0.010 χ^2/NDF: 1897191.8/30

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.721+/-0.007 χ^2/NDF: 4666145.9/51

All: 53.452+/-0.005 χ^2/NDF: 9135701.0/105

- sign 53.183+/-0.007 χ^2/NDF: 4466479.4/53



Right In: -0.008+/-0.014 χ^2/NDF: 22.6/26

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

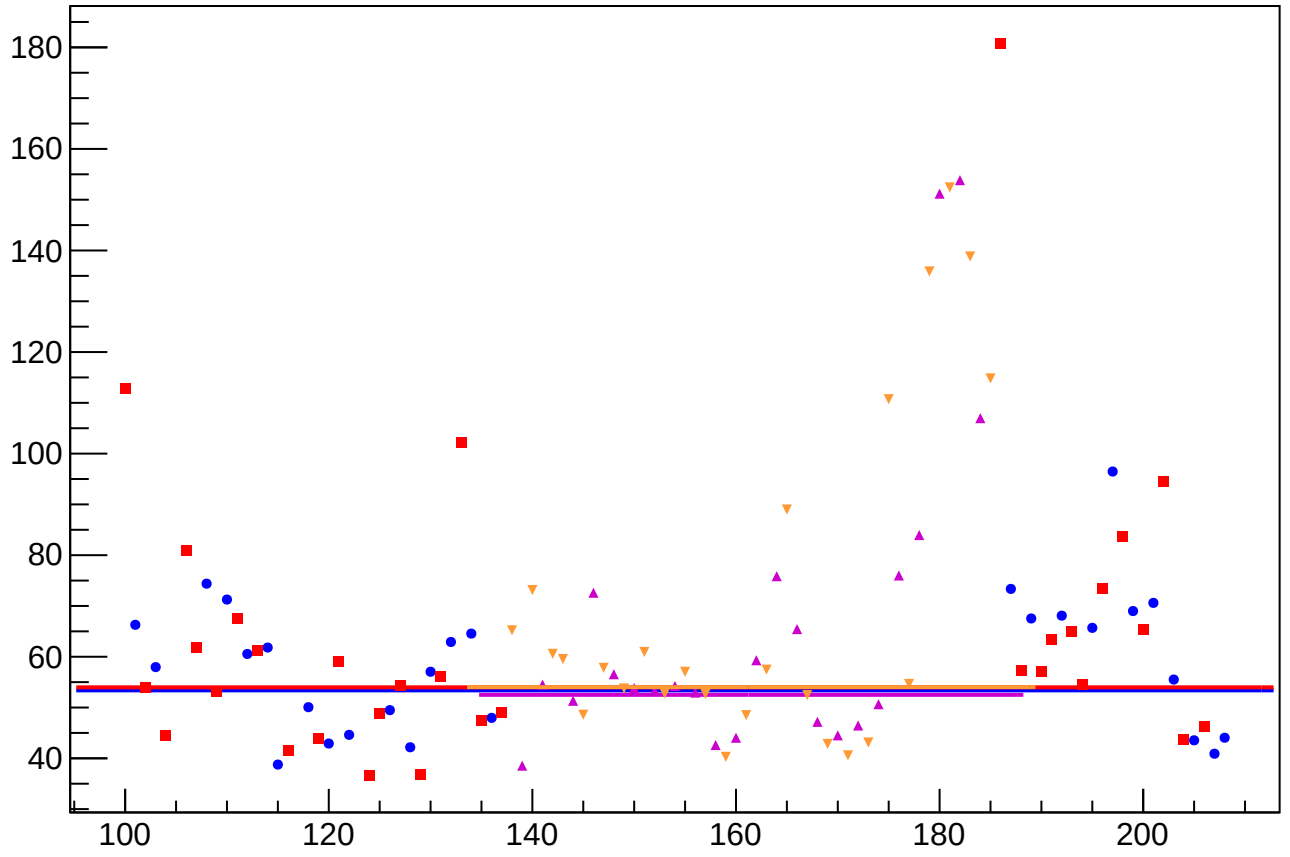
Right Out: 0.011+/-0.014 χ^2/NDF: 17.7/30

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.003+/-0.010 χ^2/NDF: 54.4/51

All: -0.002+/-0.007 χ^2/NDF: 105.2/105

- sign -0.000+/-0.010 χ^2/NDF: 50.8/53



Right In: 53.380+/-0.010 χ^2/NDF: 1436448.5/26

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

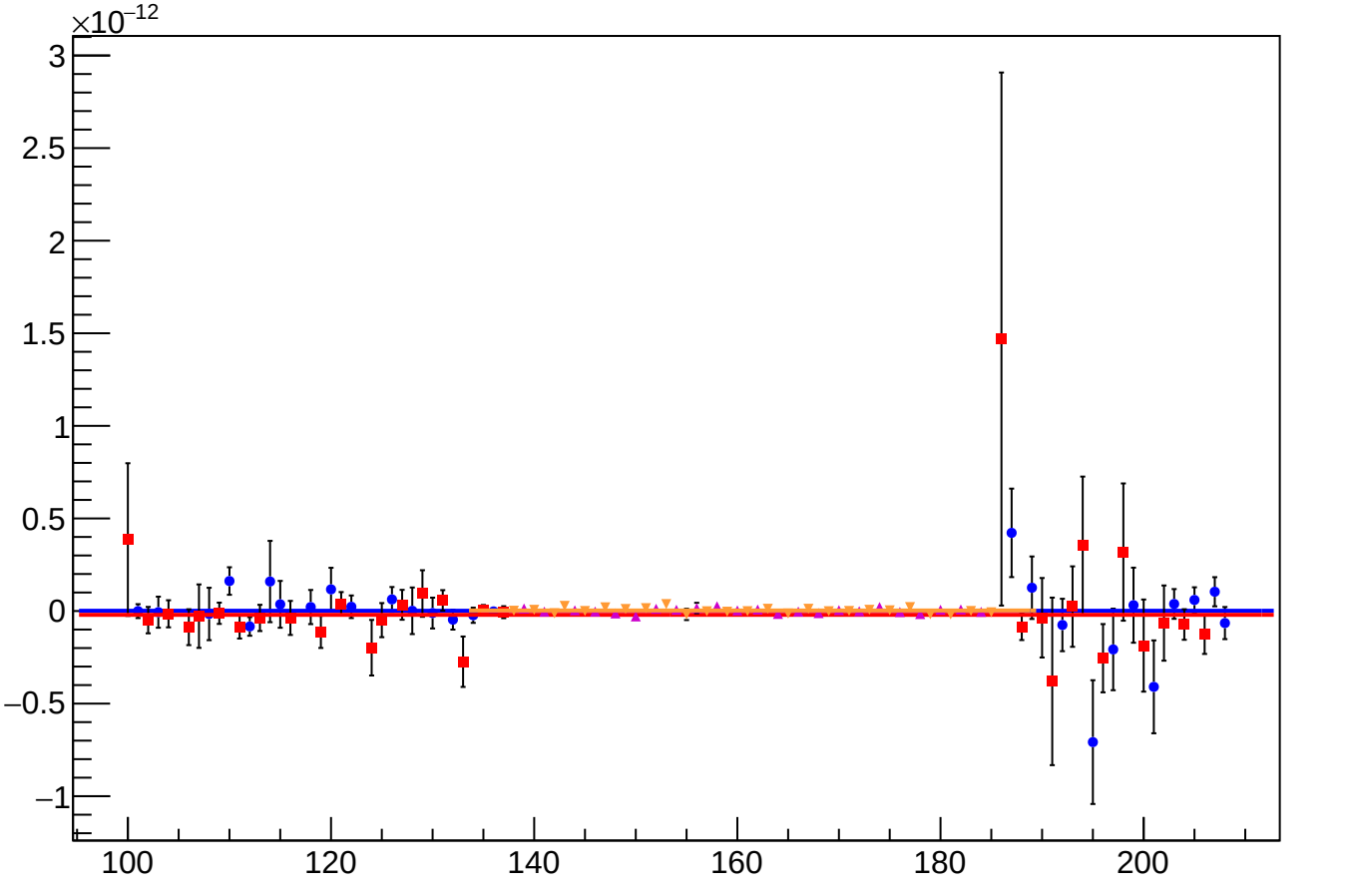
Right Out: 53.977+/-0.010 χ^2/NDF: 1897191.8/30

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

\+ sign 53.721+/-0.007 χ^2/NDF: 4666145.9/51

All: 53.452+/-0.005 χ^2/NDF: 9135701.0/105

\- sign 53.183+/-0.007 χ^2/NDF: 4466479.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

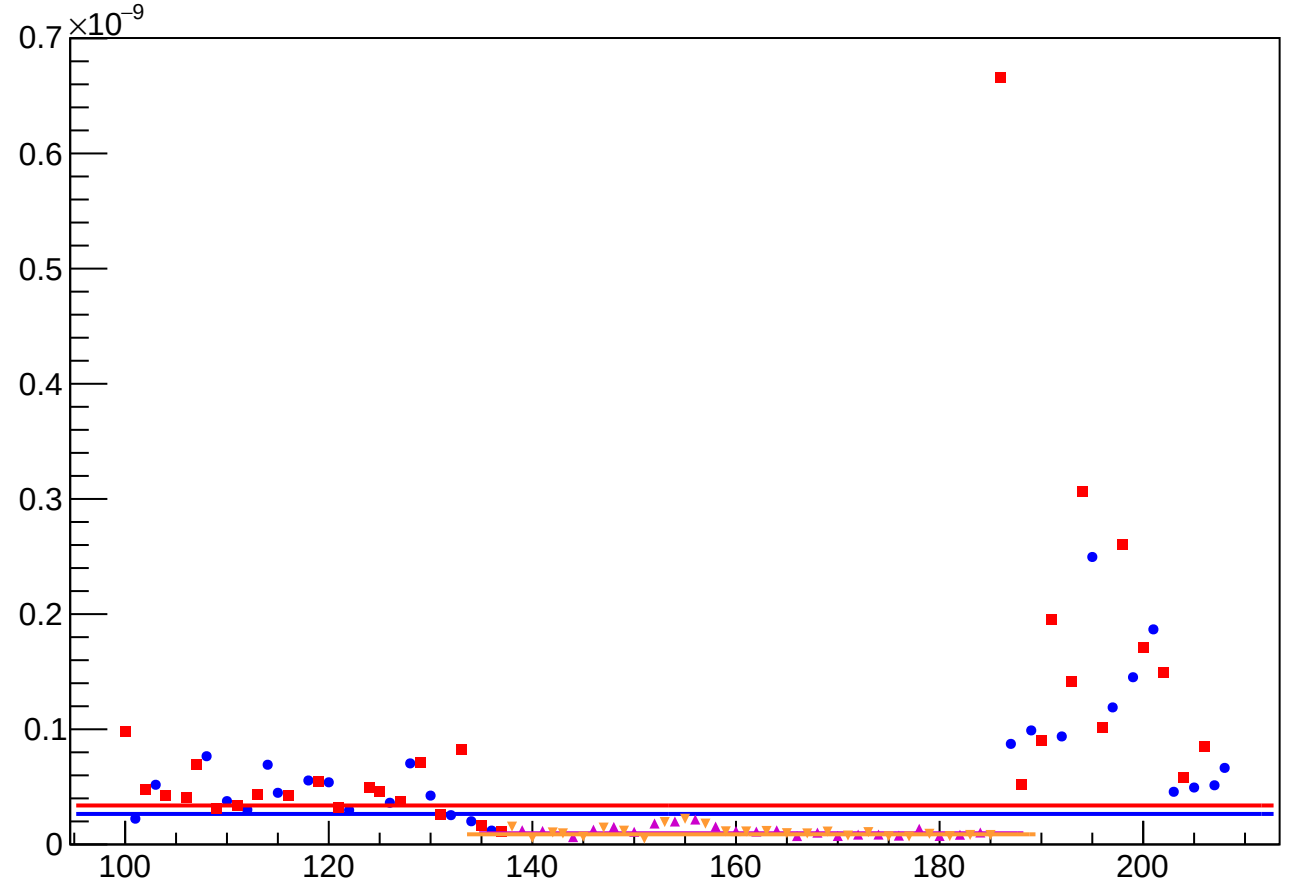
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/30

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.5/51

All: 0.000+/-0.000 χ^2/NDF: 88.4/105

- sign 0.000+/-0.000 χ^2/NDF: 39.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 7508881.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8085590.1/30

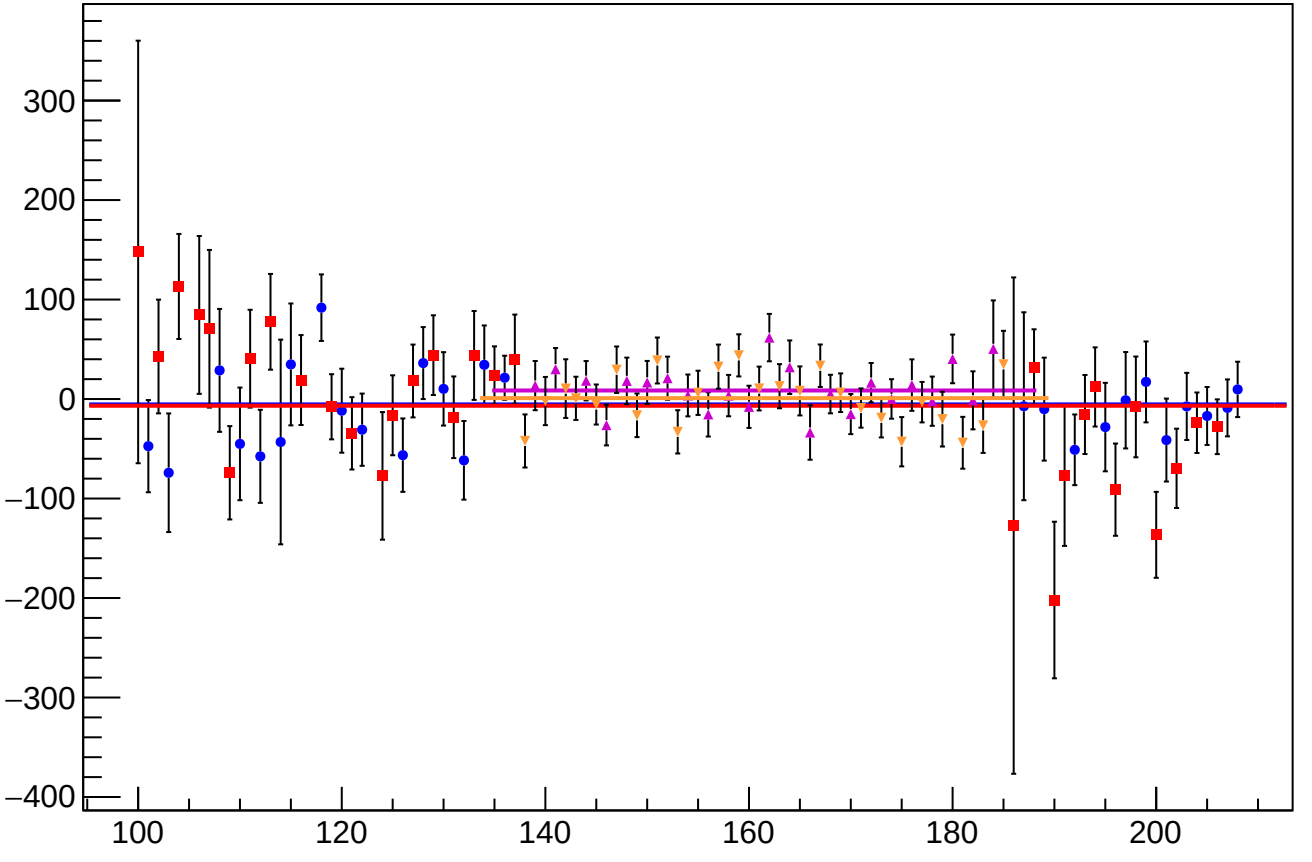
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 14654657.6/51

All: 0.000+/-0.000 χ^2/NDF: 31128927.2/105

- sign 0.000+/-0.000 χ^2/NDF: 16329963.2/53

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -5.404+/-7.481 χ^2/NDF: 25.1/26

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -6.750+/-7.845 χ^2/NDF: 47.0/30

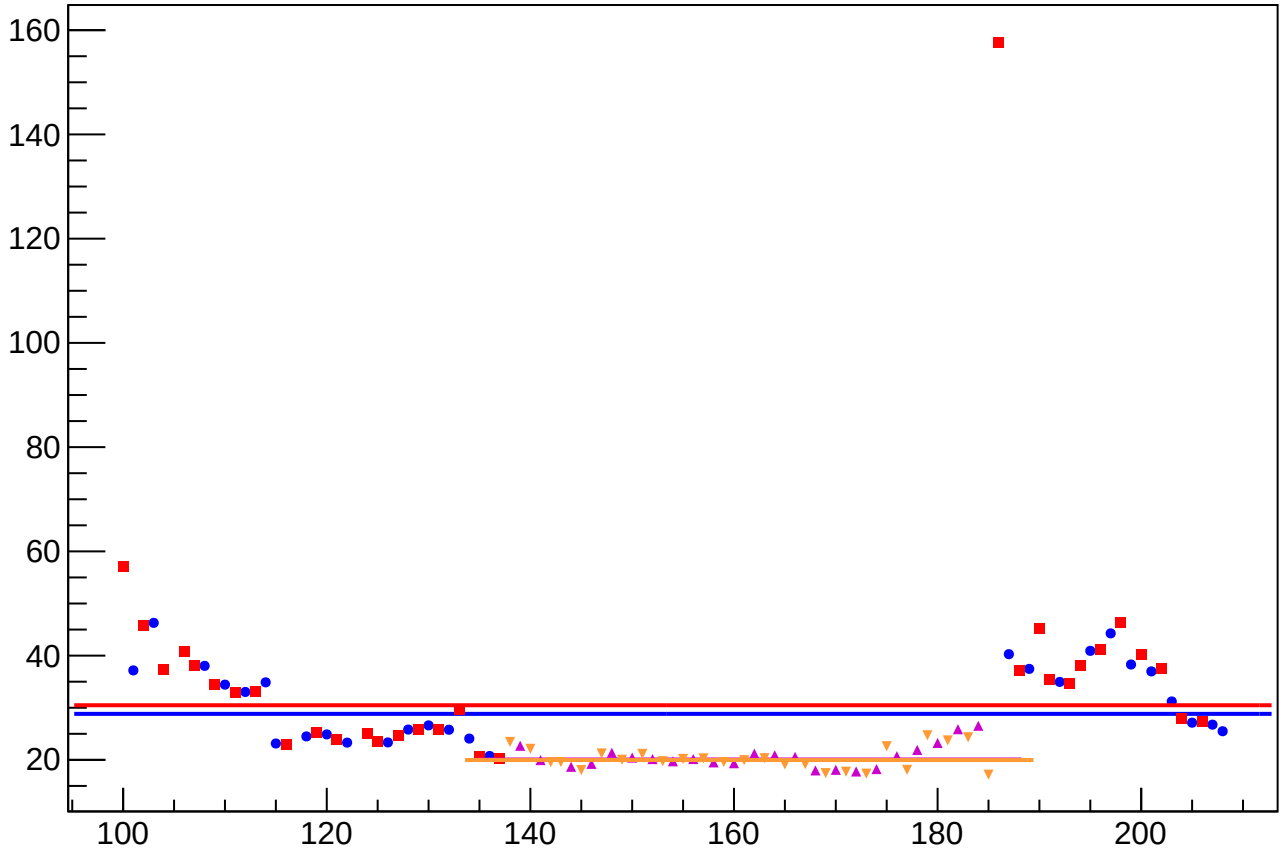
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

\+ sign -0.803+/-3.902 χ^2/NDF: 54.8/51

All: 1.760+/-2.809 χ^2/NDF: 124.9/105

\- sign 4.516+/-4.047 χ^2/NDF: 69.2/53

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.826+/-0.005 χ^2/NDF: 1546257.5/26

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

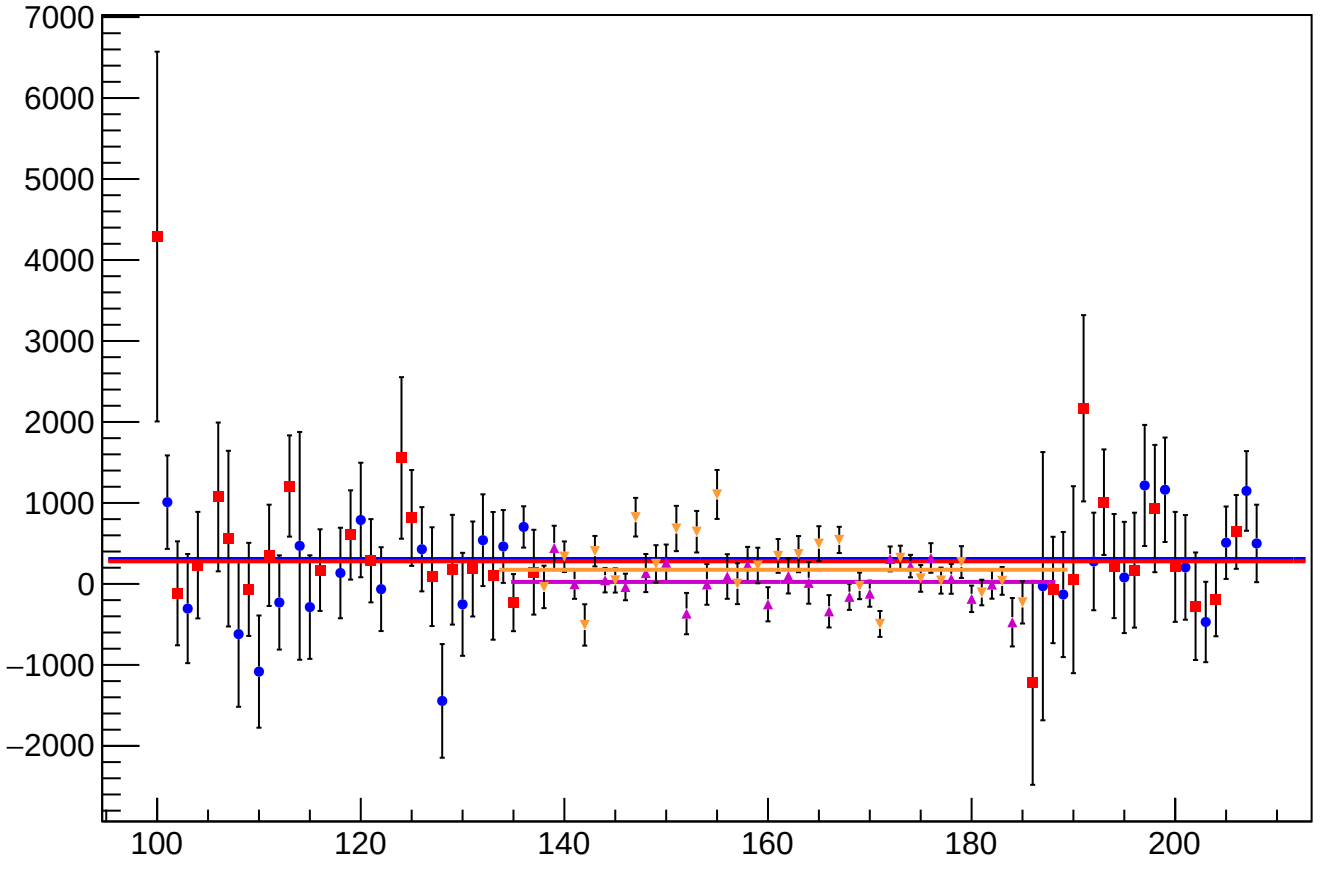
Right Out: 30.479+/-0.006 χ^2/NDF: 2229231.3/30

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.379+/-0.003 χ^2/NDF: 3973731.4/51

All: 22.602+/-0.002 χ^2/NDF: 9101189.3/105

- sign 22.841+/-0.003 χ^2/NDF: 5113907.9/53



Right In: 307.904+/-107.807 χ^2/NDF: 29.4/26

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

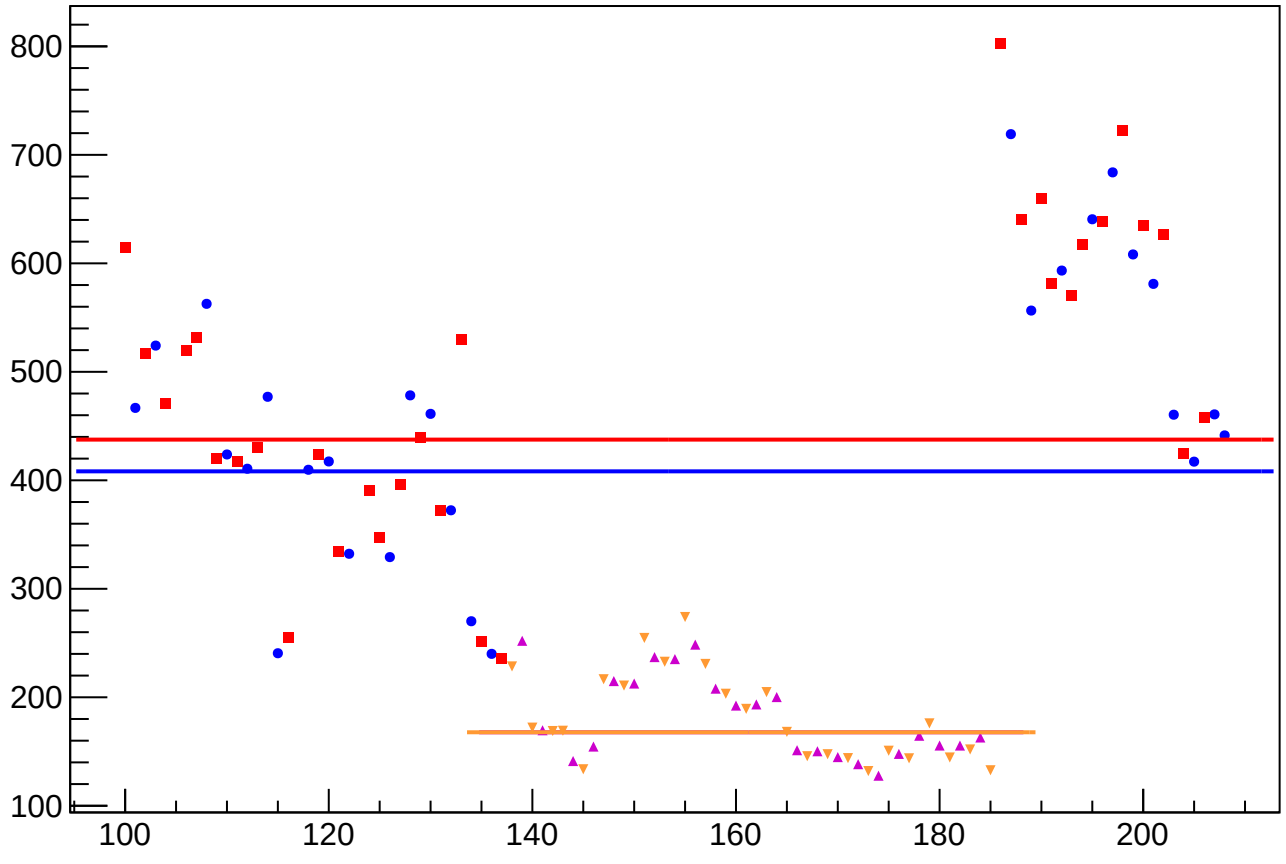
Right Out: 279.339+/-113.302 χ^2/NDF: 20.9/30

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 190.143+/-36.715 χ^2/NDF: 102.0/51

All: 123.483+/-26.329 χ^2/NDF: 161.1/105

- sign 52.910+/-37.777 χ^2/NDF: 52.3/53



Right In: 408.267+/-0.076 χ^2/NDF: 2694942.2/26

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 437.522+/-0.080 χ^2/NDF: 2855586.8/30

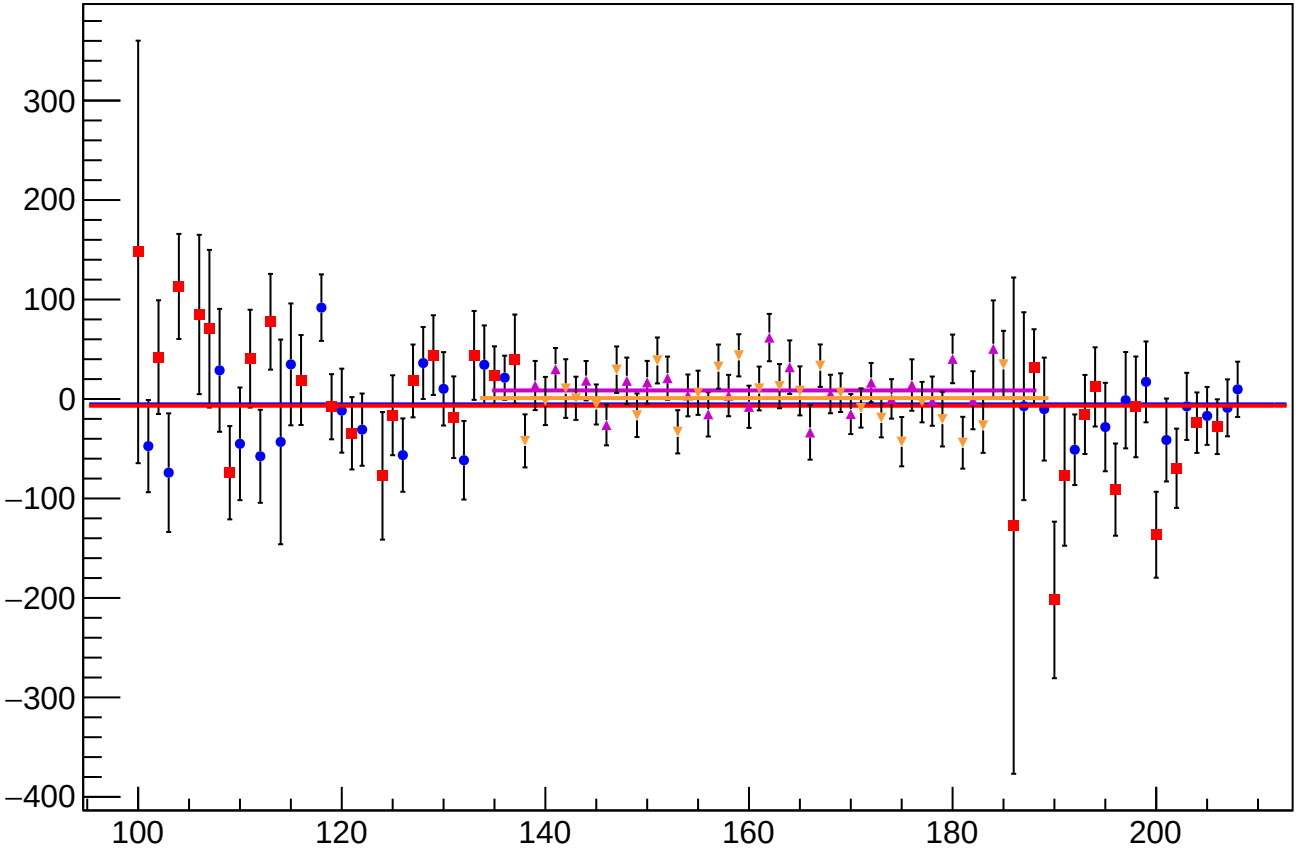
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

\+ sign 195.650+/-0.026 χ^2/NDF: 13073063.9/51

All: 196.664+/-0.019 χ^2/NDF: 27412890.9/10

\- sign 197.739+/-0.027 χ^2/NDF: 14336680.7/53

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -5.401+/-7.481 χ^2/NDF: 25.1/26

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -6.777+/-7.846 χ^2/NDF: 47.0/30

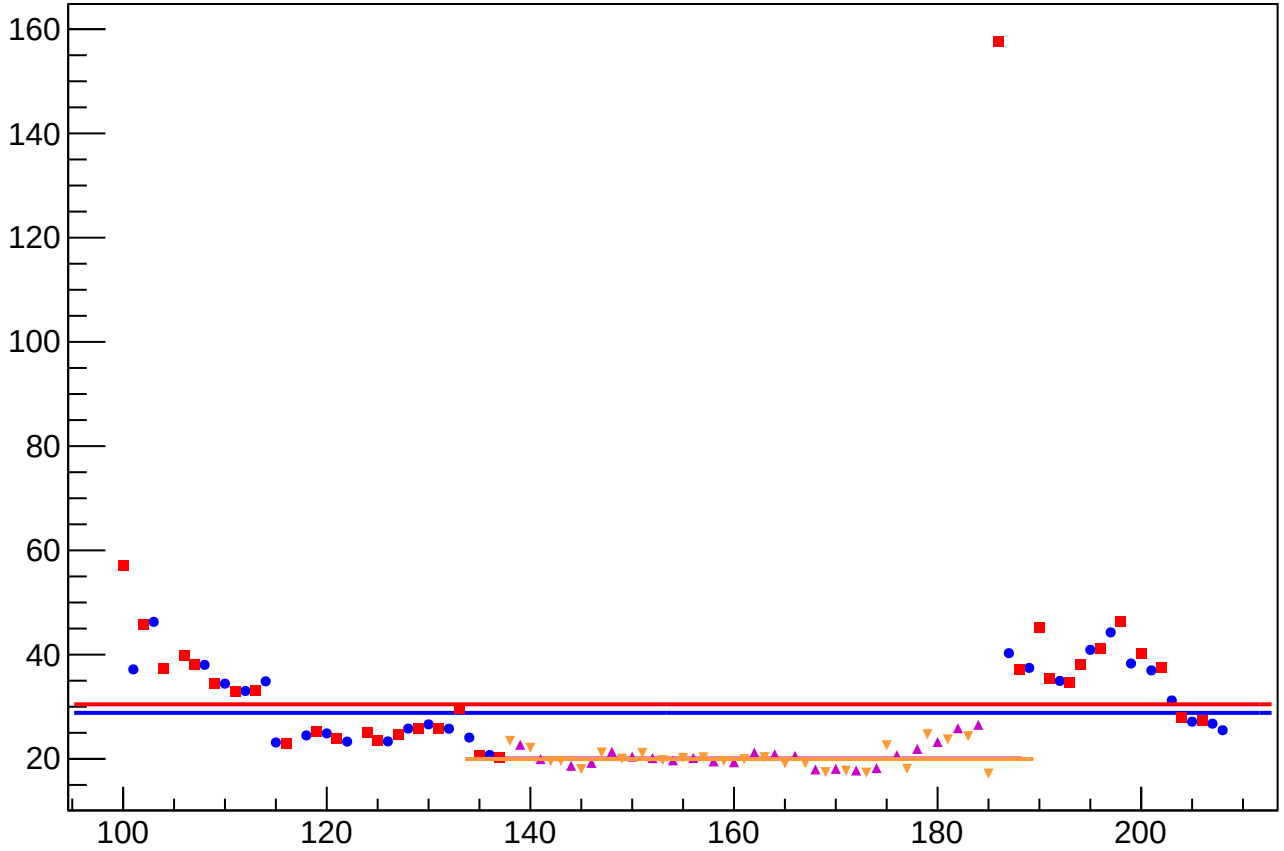
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

\+ sign -0.804+/-3.902 χ^2/NDF: 54.8/51

All: 1.757+/-2.809 χ^2/NDF: 124.9/105

\- sign 4.510+/-4.047 χ^2/NDF: 69.1/53

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.826+/-0.005 χ^2/NDF: 1546260.7/26

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.467+/-0.006 χ^2/NDF: 2222192.3/30

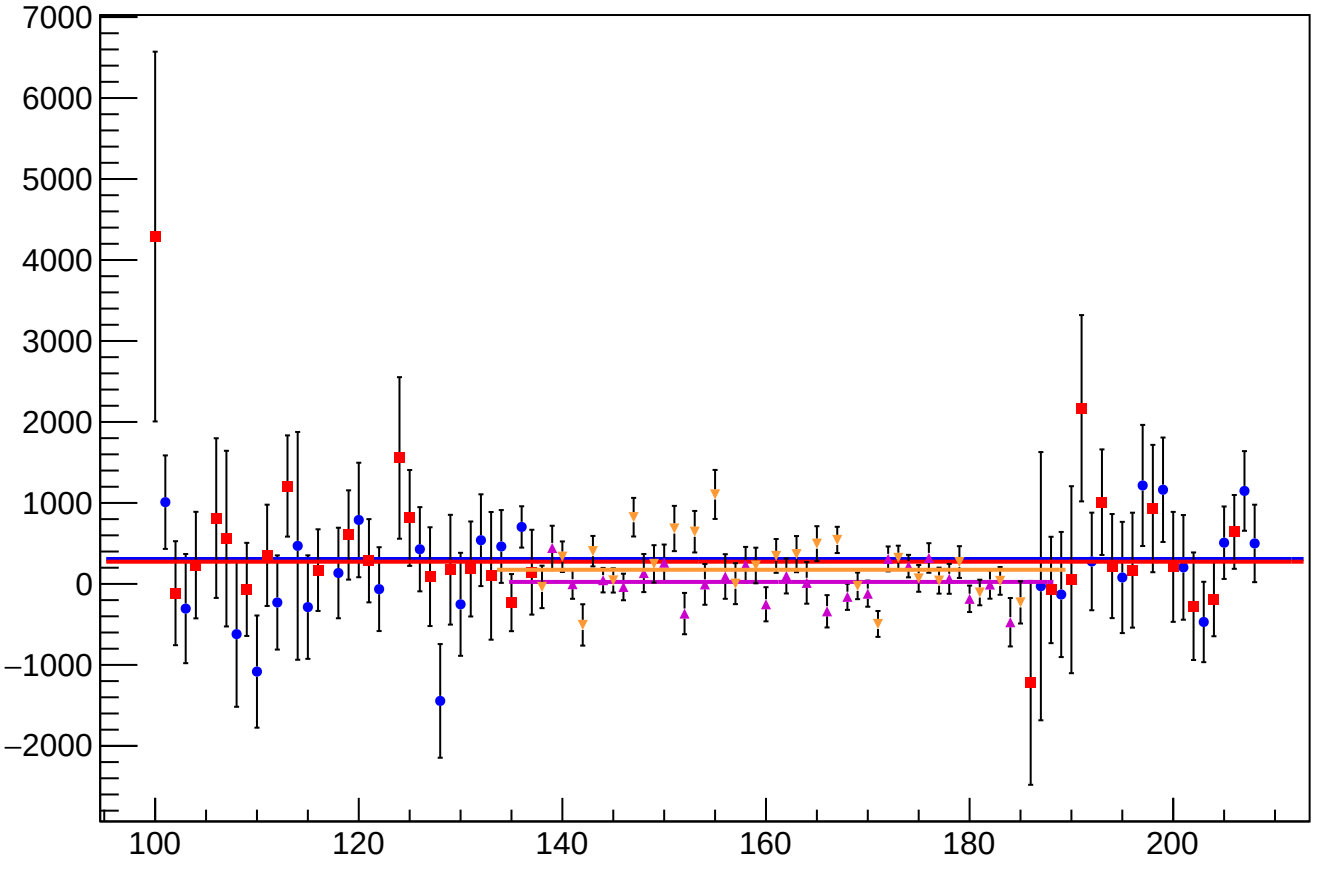
Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.379+/-0.003 χ^2/NDF: 3973734.8/51

All: 22.600+/-0.002 χ^2/NDF: 9087549.5/105

- sign 22.838+/-0.003 χ^2/NDF: 5100476.6/53

asym_sam_1357_2468_dd_cor_correction_mean vs Slug



Right In: 307.901+/-107.807 χ^2/NDF: 29.4/26

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

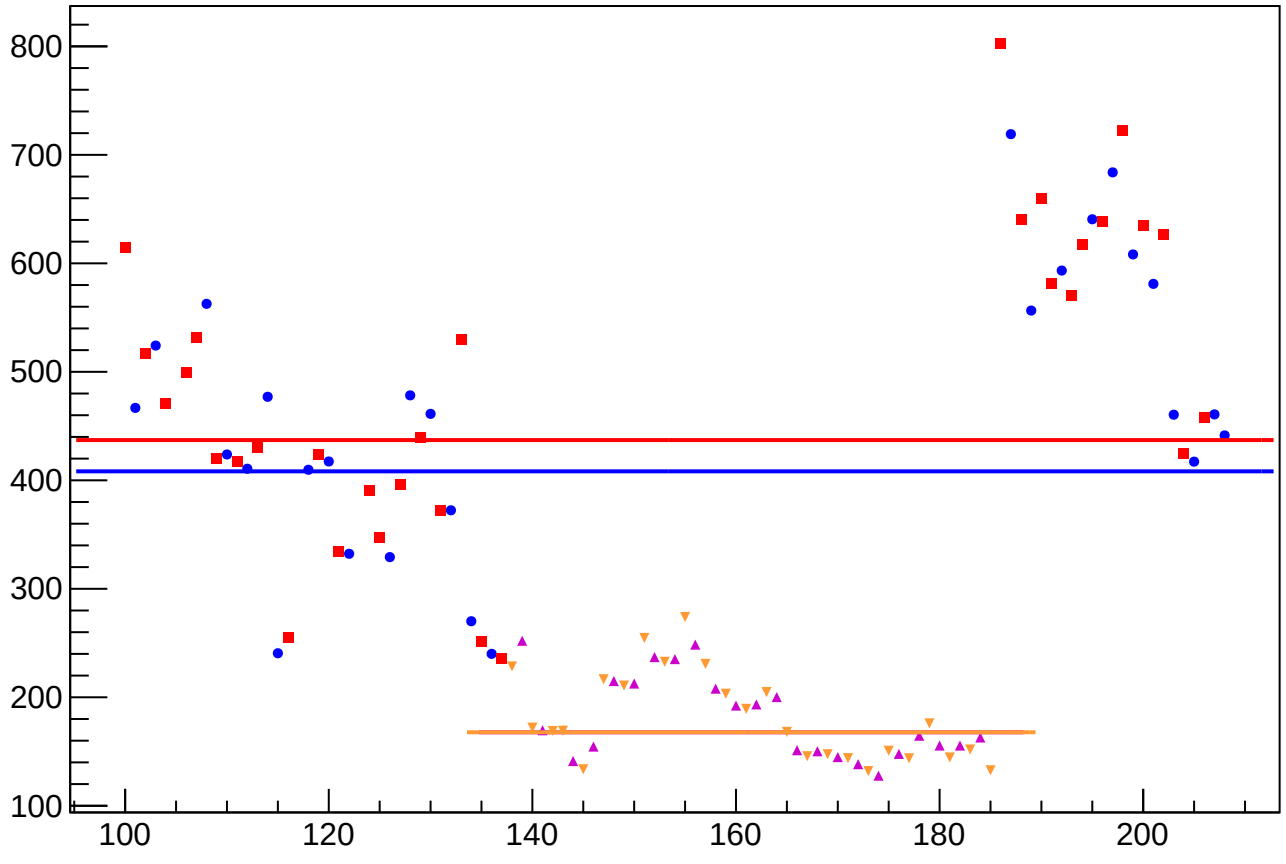
Right Out: 274.346+/-113.417 χ^2/NDF: 20.4/30

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 190.141+/-36.715 χ^2/NDF: 102.0/51

All: 123.196+/-26.330 χ^2/NDF: 160.5/105

- sign 52.305+/-37.782 χ^2/NDF: 51.6/53



Right In: 408.267+/-0.076 χ^2/NDF: 2694967.5/26

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

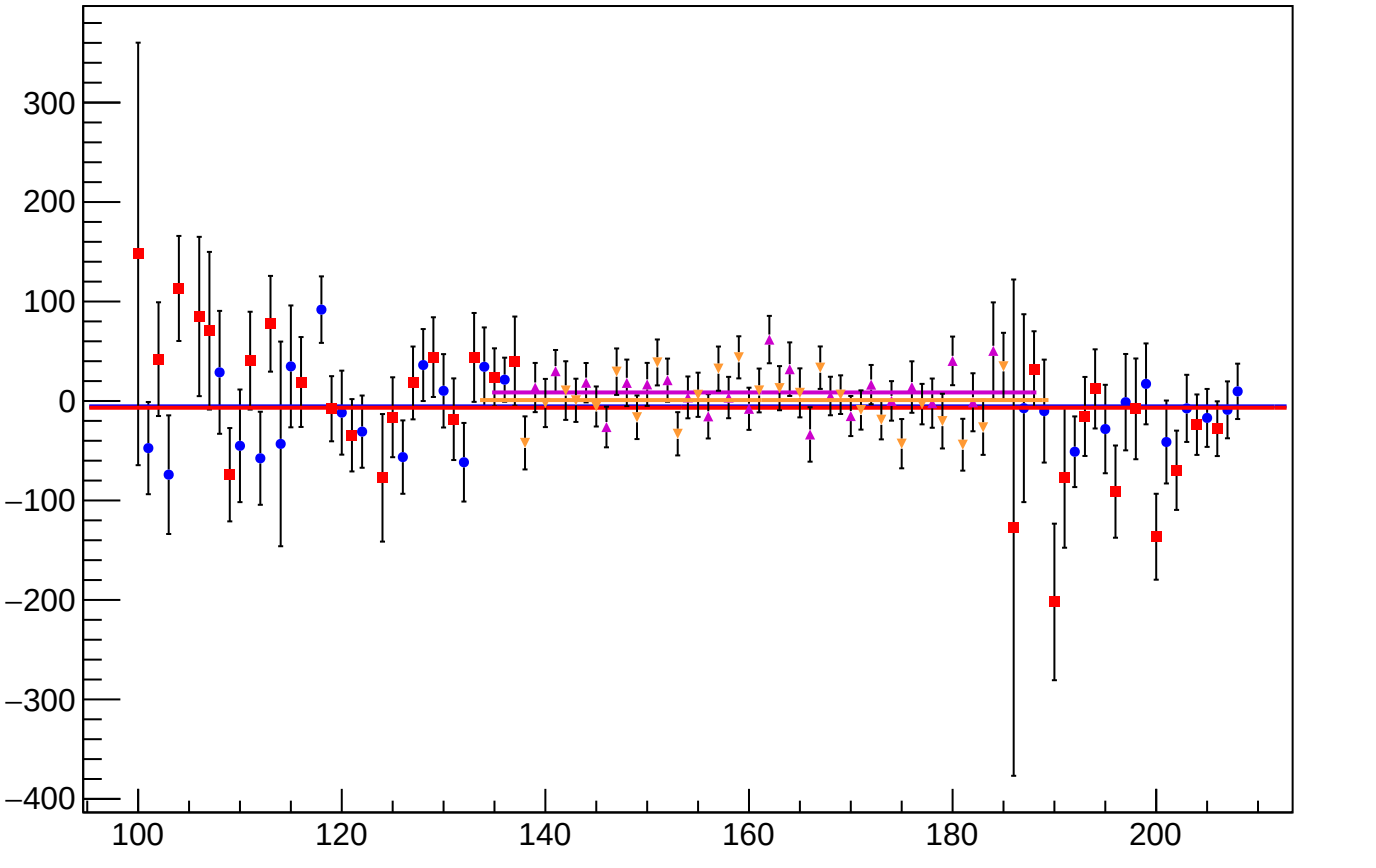
Right Out: 437.093+/-0.080 χ^2/NDF: 2847557.4/30

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 195.650+/-0.026 χ^2/NDF: 13073088.3/51

All: 196.615+/-0.019 χ^2/NDF: 27354406.9/10

- sign 197.637+/-0.027 χ^2/NDF: 14278471.2/53



Right In: -5.401+/-7.481 χ^2/NDF: 25.1/26

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -6.777+/-7.846 χ^2/NDF: 47.0/30

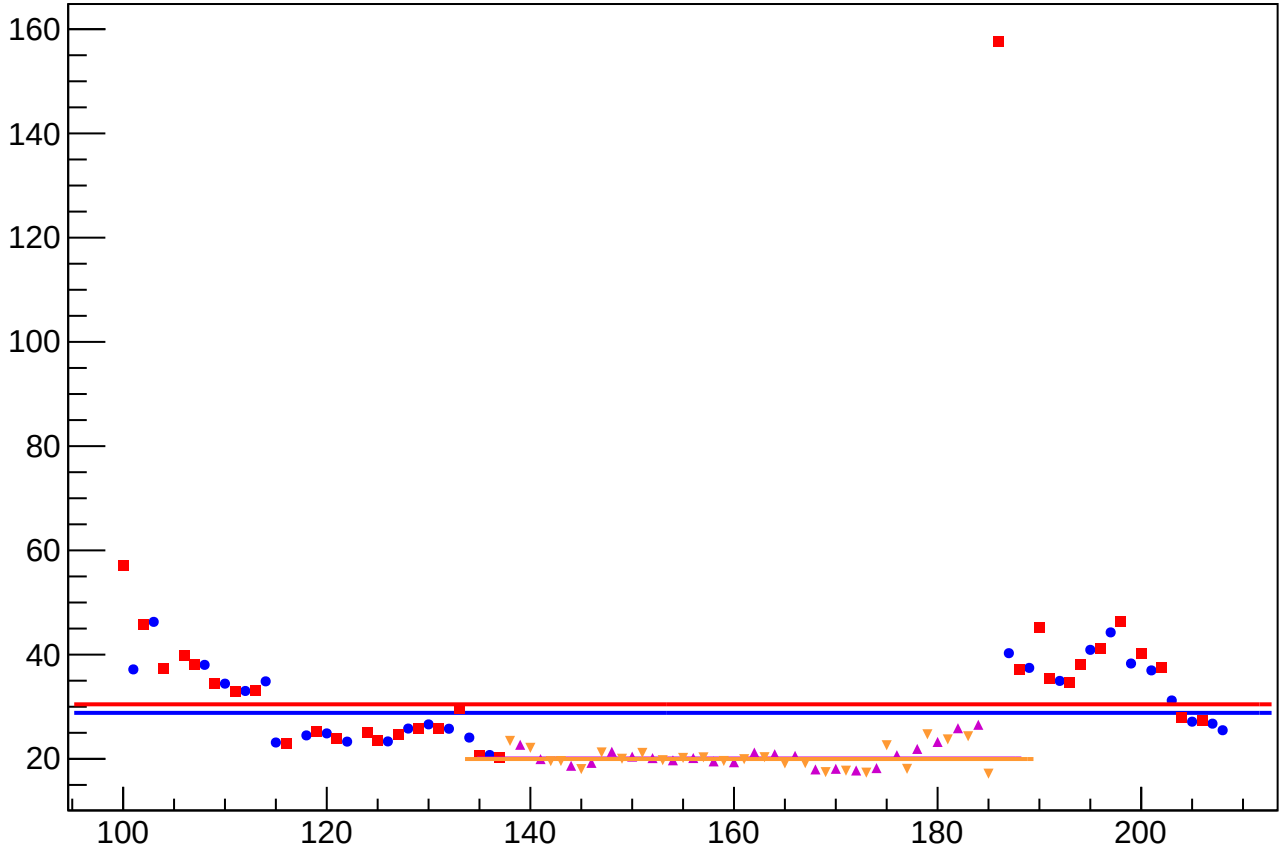
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.804+/-3.902 χ^2/NDF: 54.8/51

All: 1.757+/-2.809 χ^2/NDF: 124.9/105

- sign 4.510+/-4.047 χ^2/NDF: 69.1/53

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.826+/-0.005 χ^2/NDF: 1546260.7/26

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

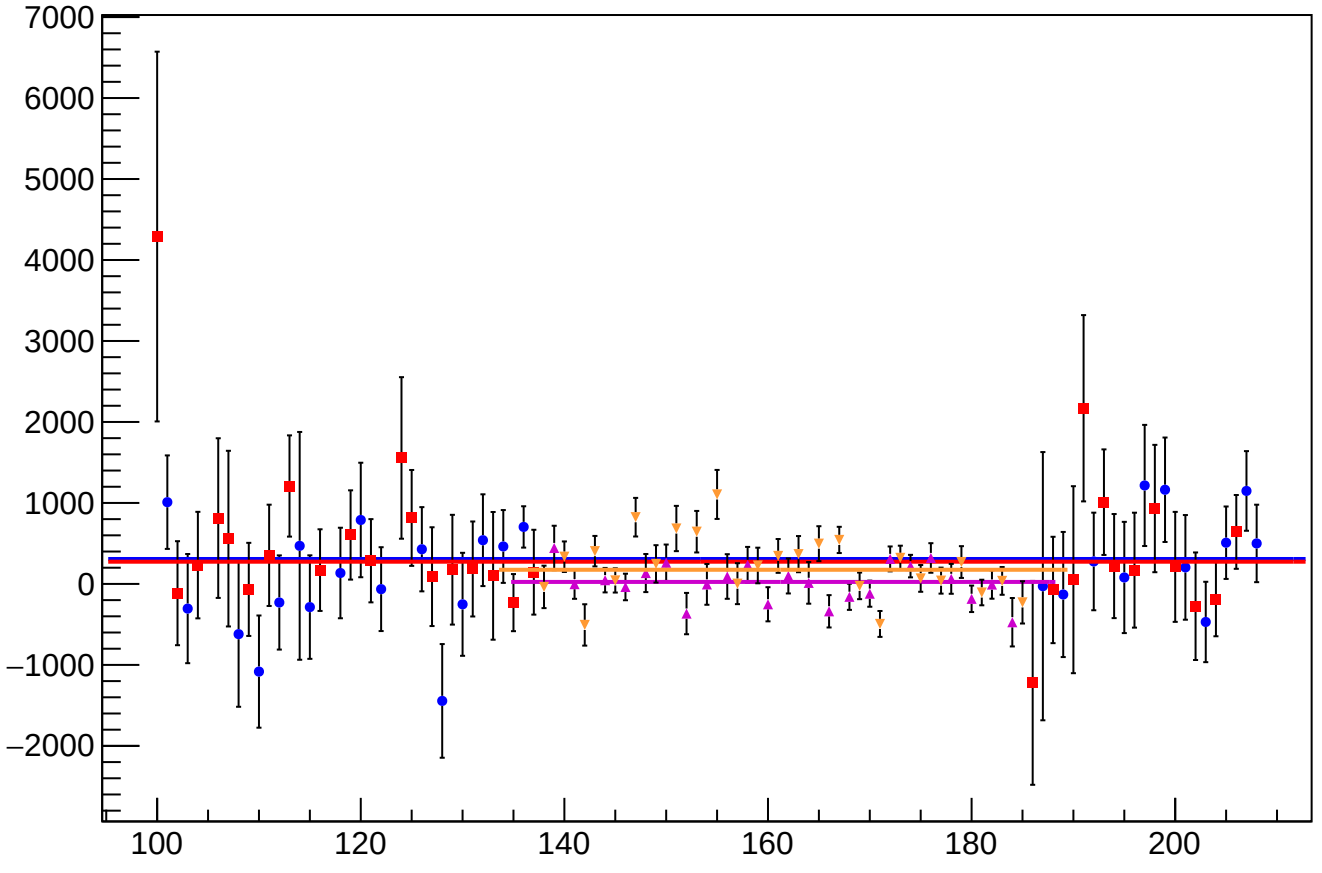
Right Out: 30.467+/-0.006 χ^2/NDF: 2222192.3/30

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.379+/-0.003 χ^2/NDF: 3973734.8/51

All: 22.600+/-0.002 χ^2/NDF: 9087549.5/105

- sign 22.838+/-0.003 χ^2/NDF: 5100476.6/53



Right In: 307.901+/-107.807 χ^2/NDF: 29.4/26

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

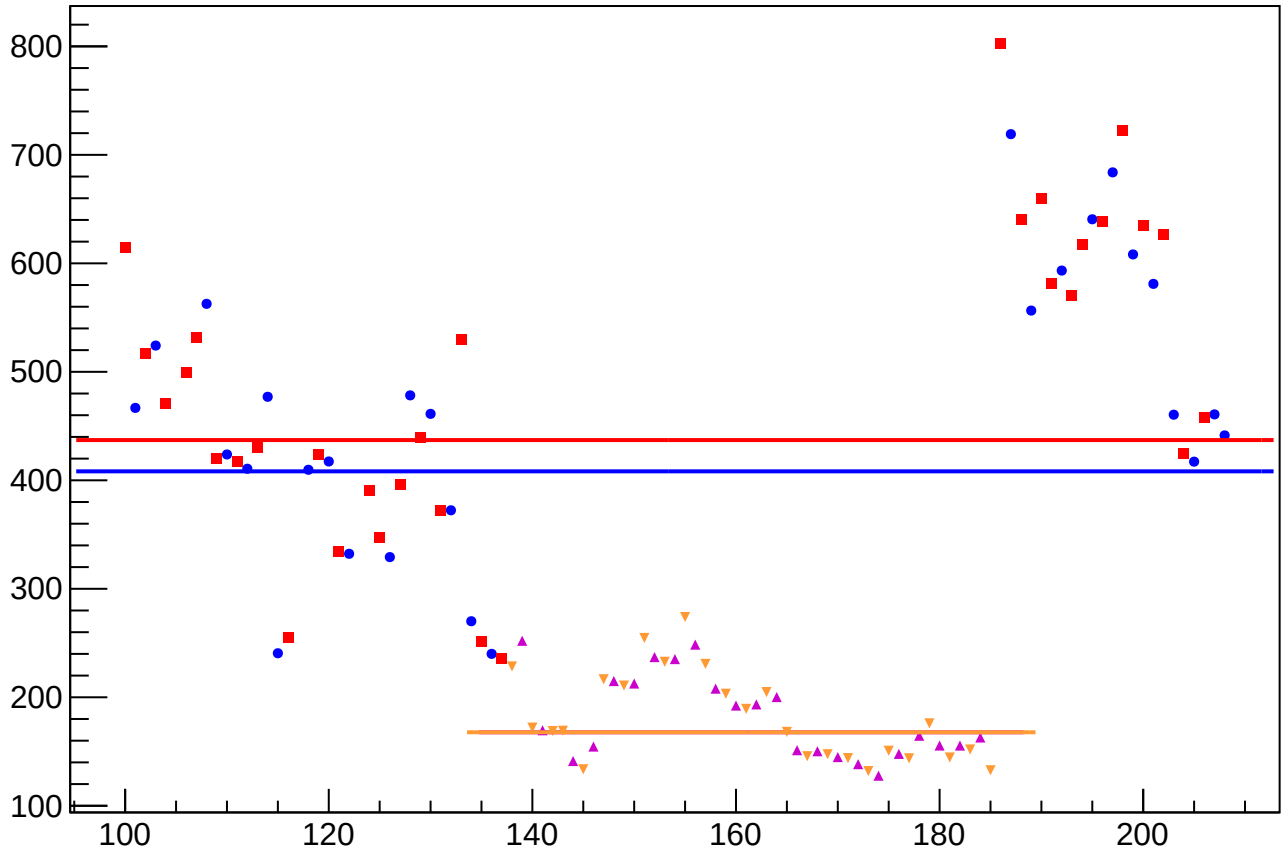
Right Out: 274.346+/-113.417 χ^2/NDF: 20.4/30

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 190.141+/-36.715 χ^2/NDF: 102.0/51

All: 123.196+/-26.330 χ^2/NDF: 160.5/105

- sign 52.305+/-37.782 χ^2/NDF: 51.6/53



Right In: 408.267+/-0.076 χ^2/NDF: 2694967.5/26

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 437.093+/-0.080 χ^2/NDF: 2847557.4/30

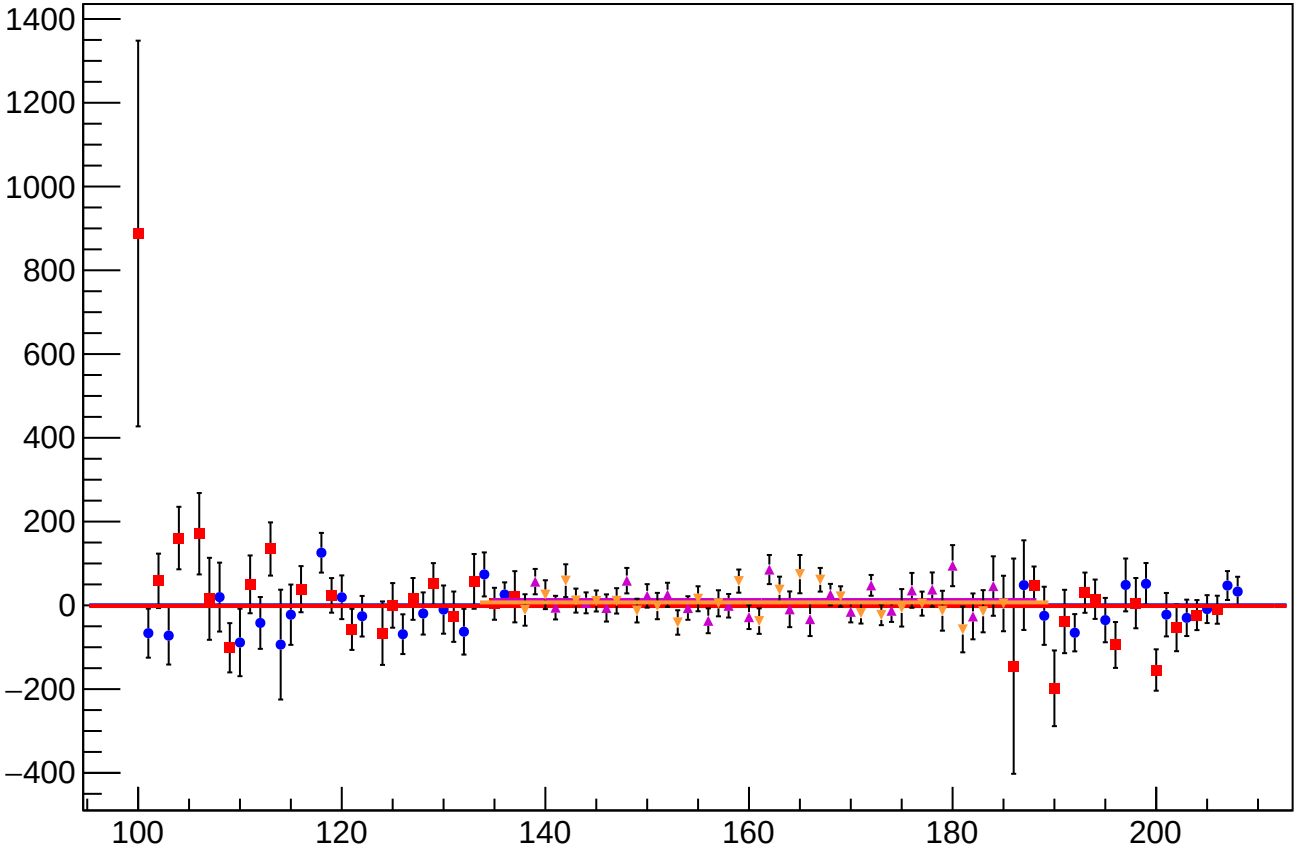
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 195.650+/-0.026 χ^2/NDF: 13073088.3/51

All: 196.615+/-0.019 χ^2/NDF: 27354406.9/10

- sign 197.637+/-0.027 χ^2/NDF: 14278471.2/53

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.113+/-9.609 χ^2/NDF: 26.6/26

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -1.618+/-9.908 χ^2/NDF: 46.5/30

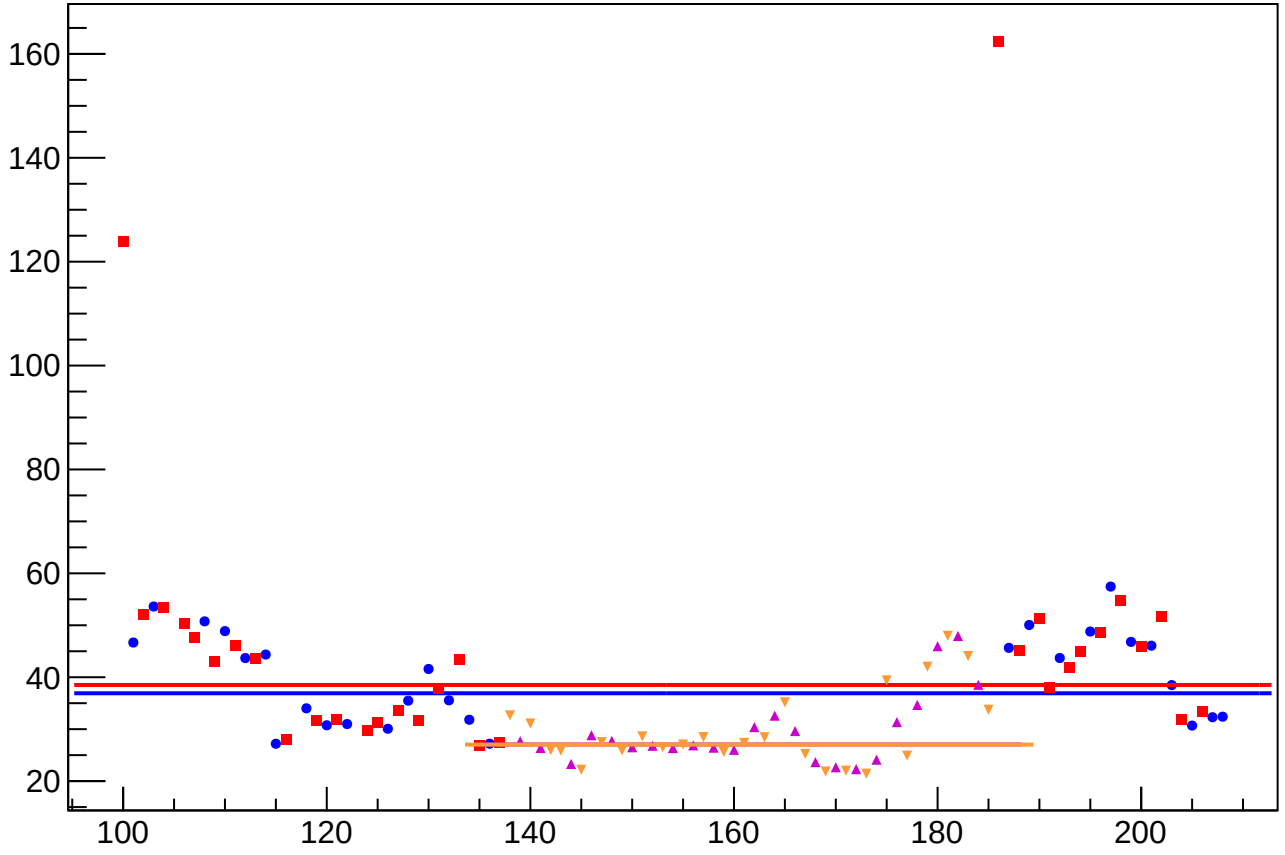
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

\+ sign 4.970+/-5.288 χ^2/NDF: 49.7/51

All: 6.624+/-3.793 χ^2/NDF: 123.5/105

\- sign 8.377+/-5.443 χ^2/NDF: 73.6/53

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.912+/-0.007 χ^2/NDF: 1432155.8/26

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

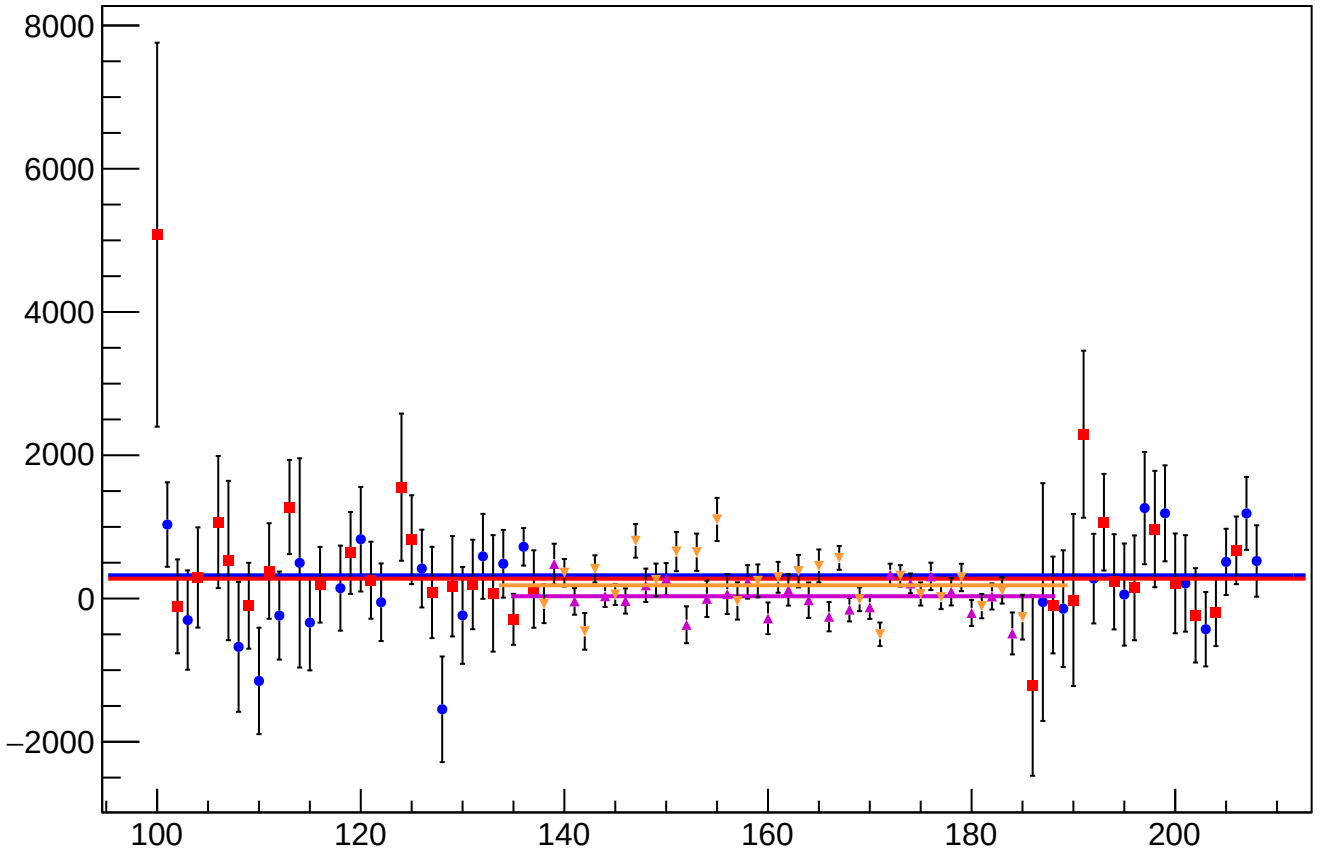
Right Out: 38.510+/-0.007 χ^2/NDF: 1958255.7/30

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 30.020+/-0.004 χ^2/NDF: 4338257.1/51

All: 30.257+/-0.003 χ^2/NDF: 9216620.2/105

- sign 30.509+/-0.004 χ^2/NDF: 4870040.3/53



Right In: 324.082+/-112.126 χ^2/NDF: 29.0/26

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

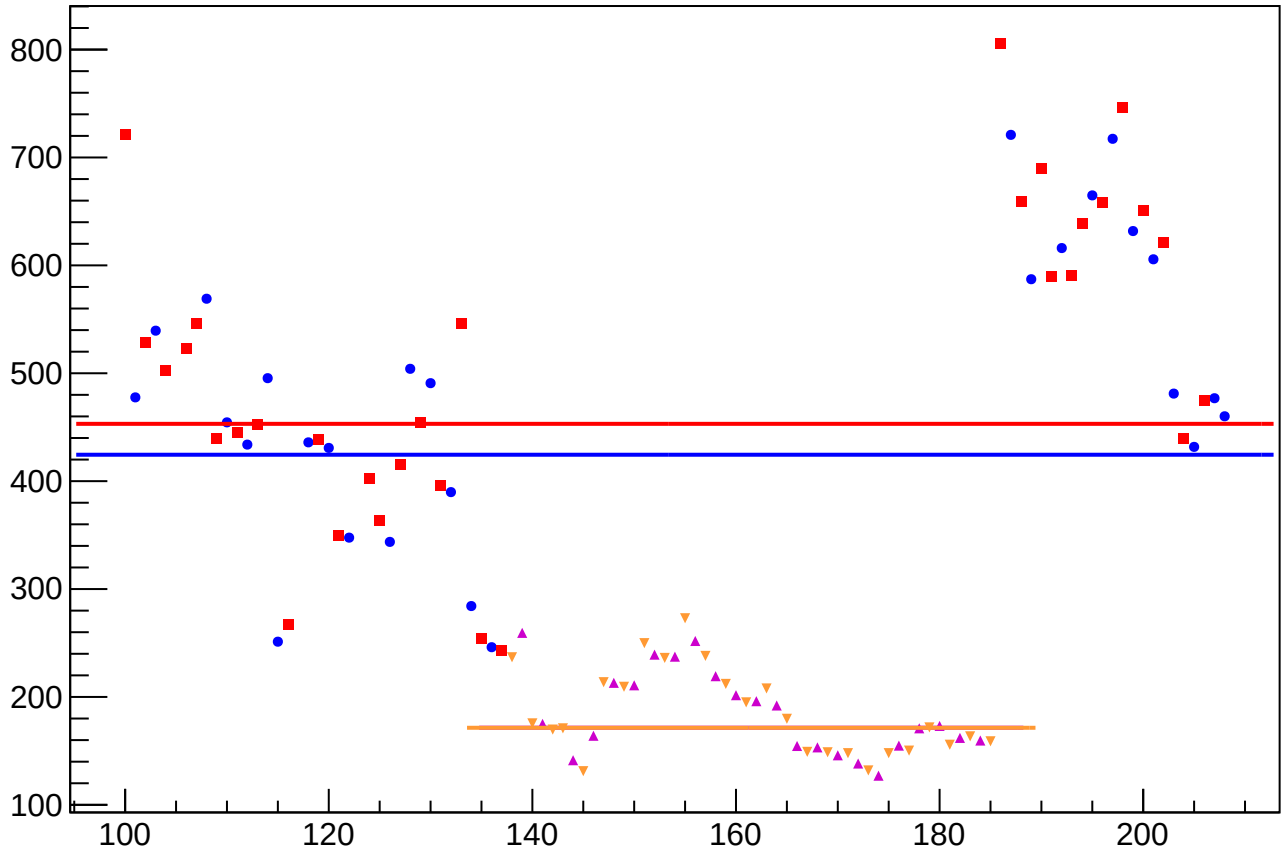
Right Out: 276.995+/-117.255 χ^2/NDF: 21.8/30

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 200.296+/-37.534 χ^2/NDF: 98.1/51

All: 131.563+/-26.937 χ^2/NDF: 157.0/105

- sign 58.565+/-38.681 χ^2/NDF: 52.0/53



Right In: 424.489+/-0.079 χ^2/NDF: 2735577.6/26

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 453.124+/-0.083 χ^2/NDF: 2828146.1/30

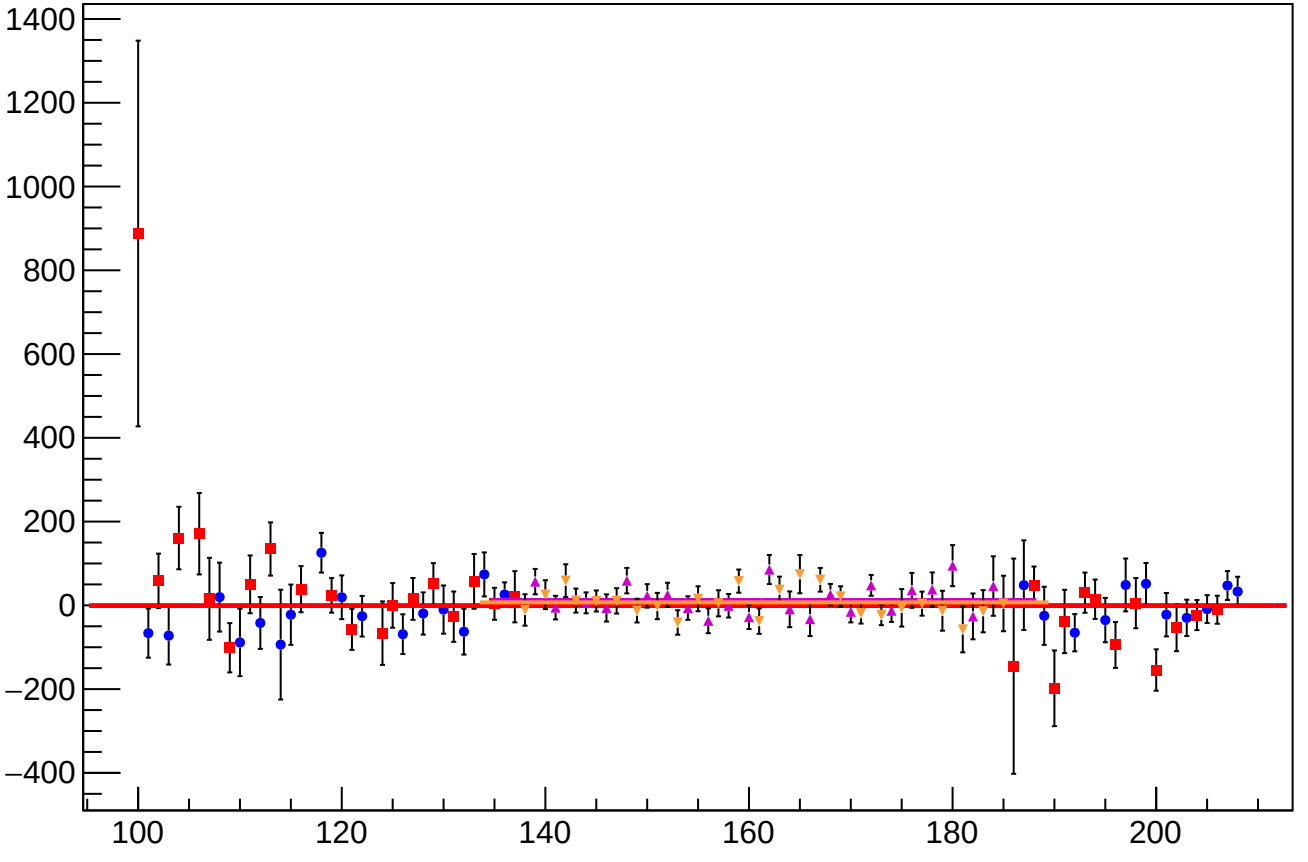
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 199.784+/-0.027 χ^2/NDF: 13308408.4/51

All: 200.926+/-0.019 χ^2/NDF: 27838614.5/10

- sign 202.139+/-0.027 χ^2/NDF: 14526387.4/53

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.111+/-9.609 χ^2/NDF: 26.6/26

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -1.617+/-9.908 χ^2/NDF: 46.5/30

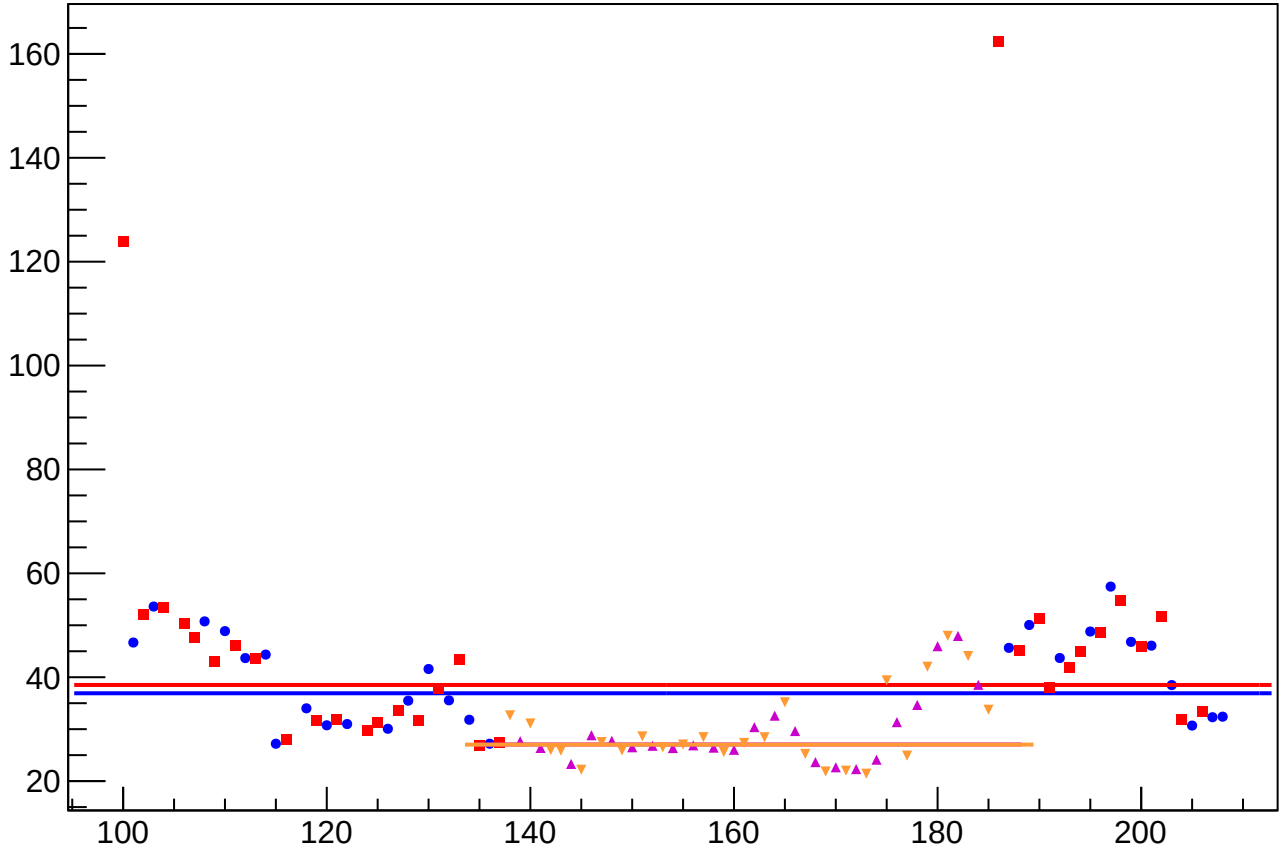
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 4.969+/-5.288 χ^2/NDF: 49.7/51

All: 6.624+/-3.793 χ^2/NDF: 123.5/105

- sign 8.378+/-5.443 χ^2/NDF: 73.6/53

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.911+/-0.007 χ^2/NDF: 1432127.0/26

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

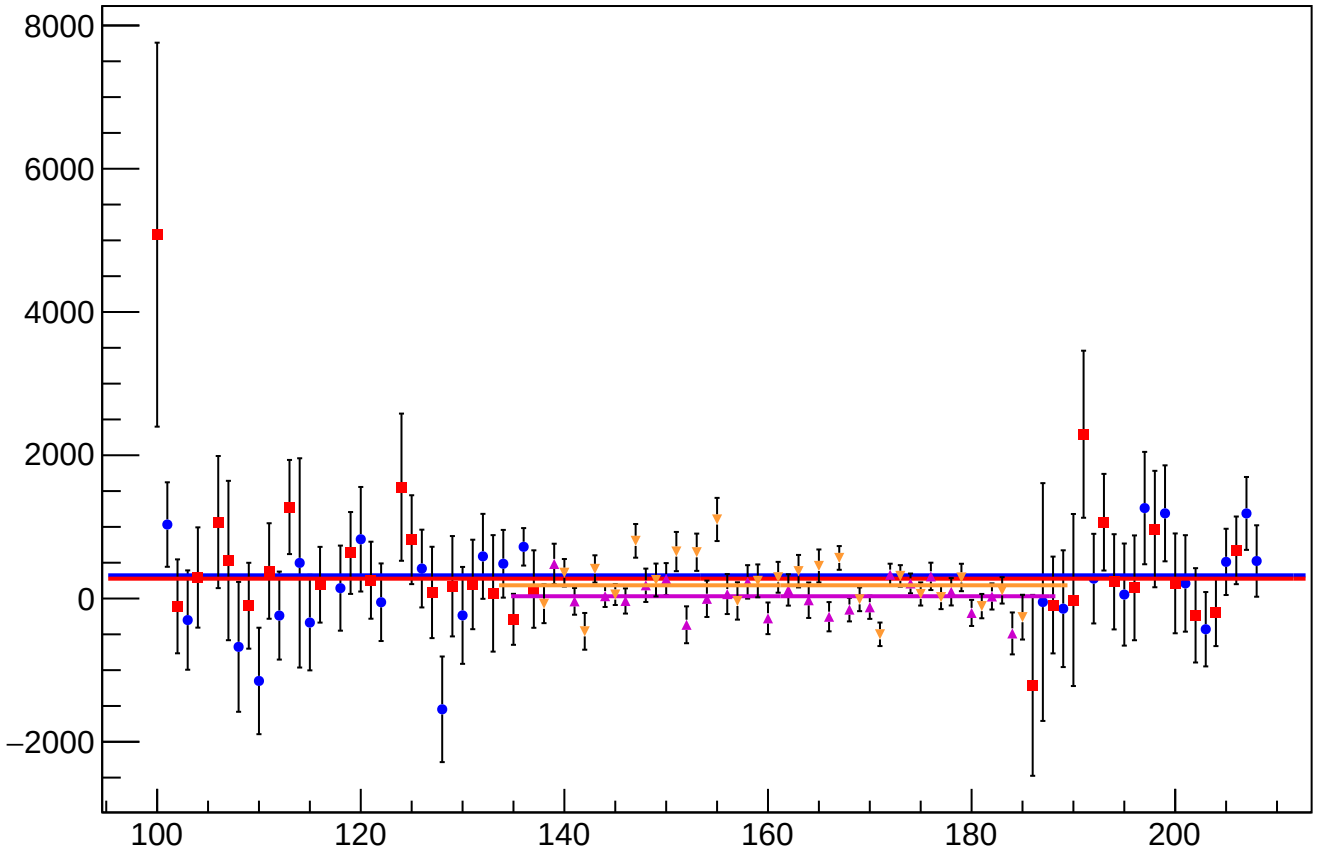
Right Out: 38.510+/-0.007 χ^2/NDF: 1958262.5/30

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 30.020+/-0.004 χ^2/NDF: 4338158.8/51

All: 30.258+/-0.003 χ^2/NDF: 9216436.8/105

- sign 30.509+/-0.004 χ^2/NDF: 4869955.7/53



Right In: 324.079+/-112.126 χ^2/NDF: 29.0/26

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

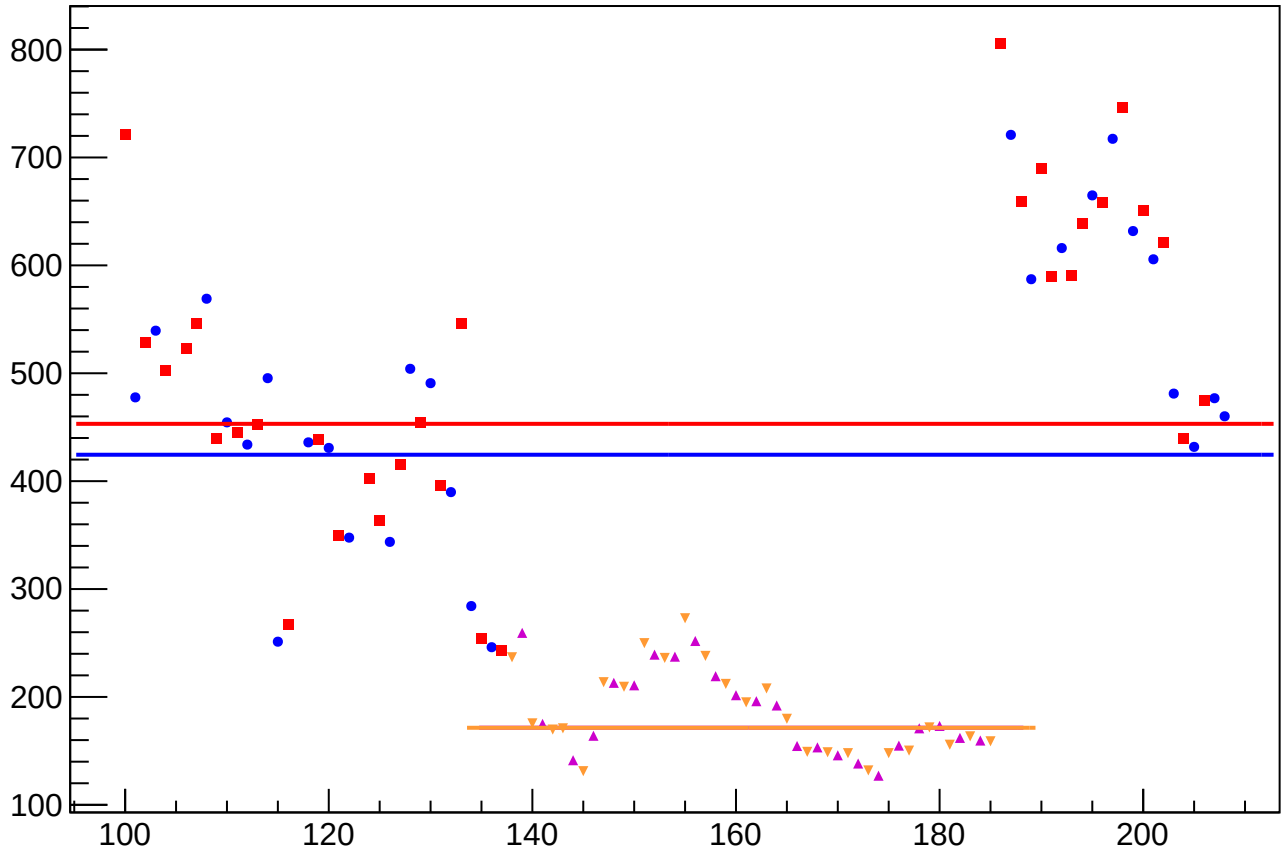
Right Out: 276.996+/-117.255 χ^2/NDF: 21.8/30

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 200.295+/-37.534 χ^2/NDF: 98.1/51

All: 131.563+/-26.937 χ^2/NDF: 157.0/105

- sign 58.565+/-38.681 χ^2/NDF: 52.0/53



Right In: 424.488+/-0.079 χ^2/NDF: 2735585.1/26

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 453.123+/-0.083 χ^2/NDF: 2828158.2/30

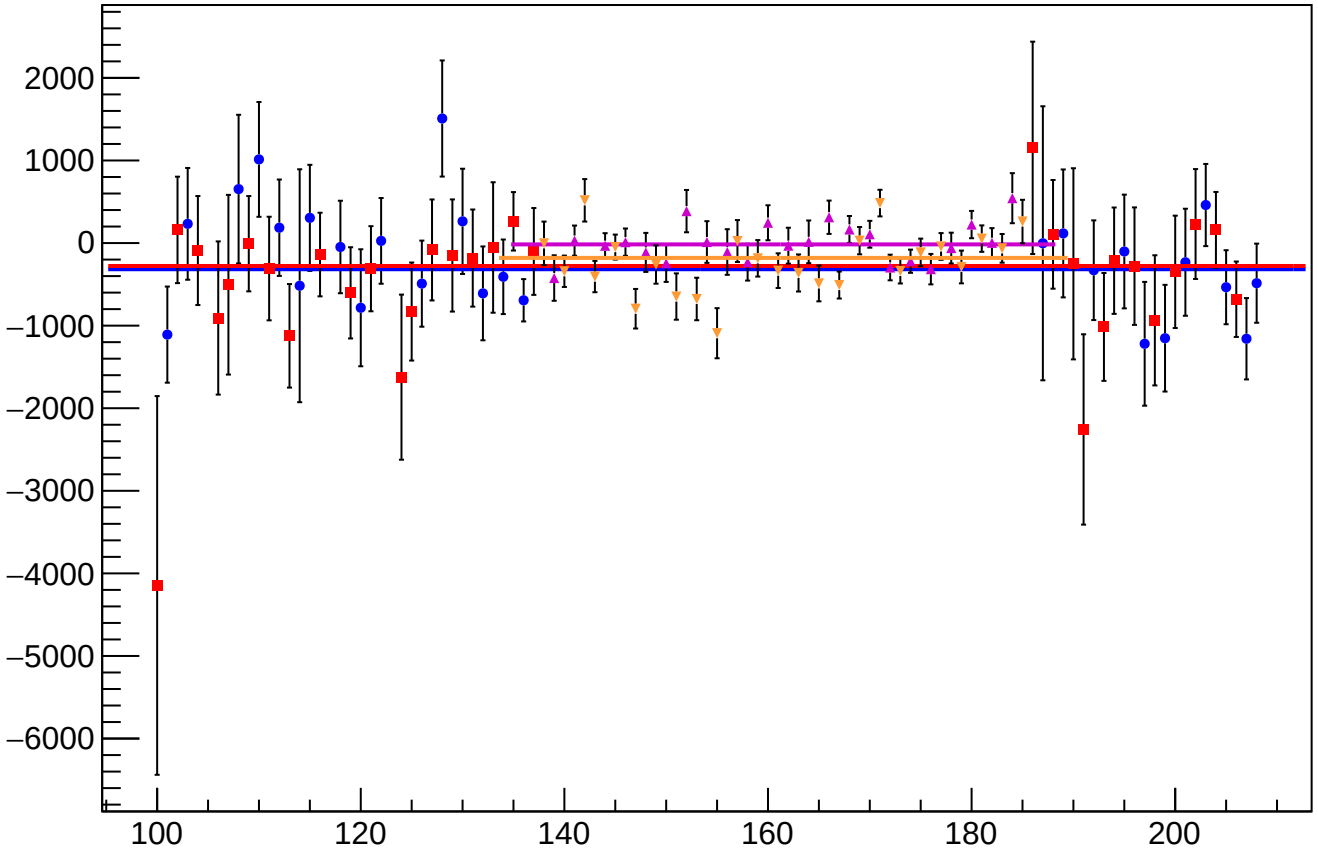
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 199.783+/-0.027 χ^2/NDF: 13308451.4/51

All: 200.925+/-0.019 χ^2/NDF: 27838707.8/10

- sign 202.138+/-0.027 χ^2/NDF: 14526438.0/53

asym_sam_1357_2468_dd_mean vs Slug



Right In: -316.817+/-108.133 χ^2/NDF: 29.6/26

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -277.556+/-113.639 χ^2/NDF: 20.5/30

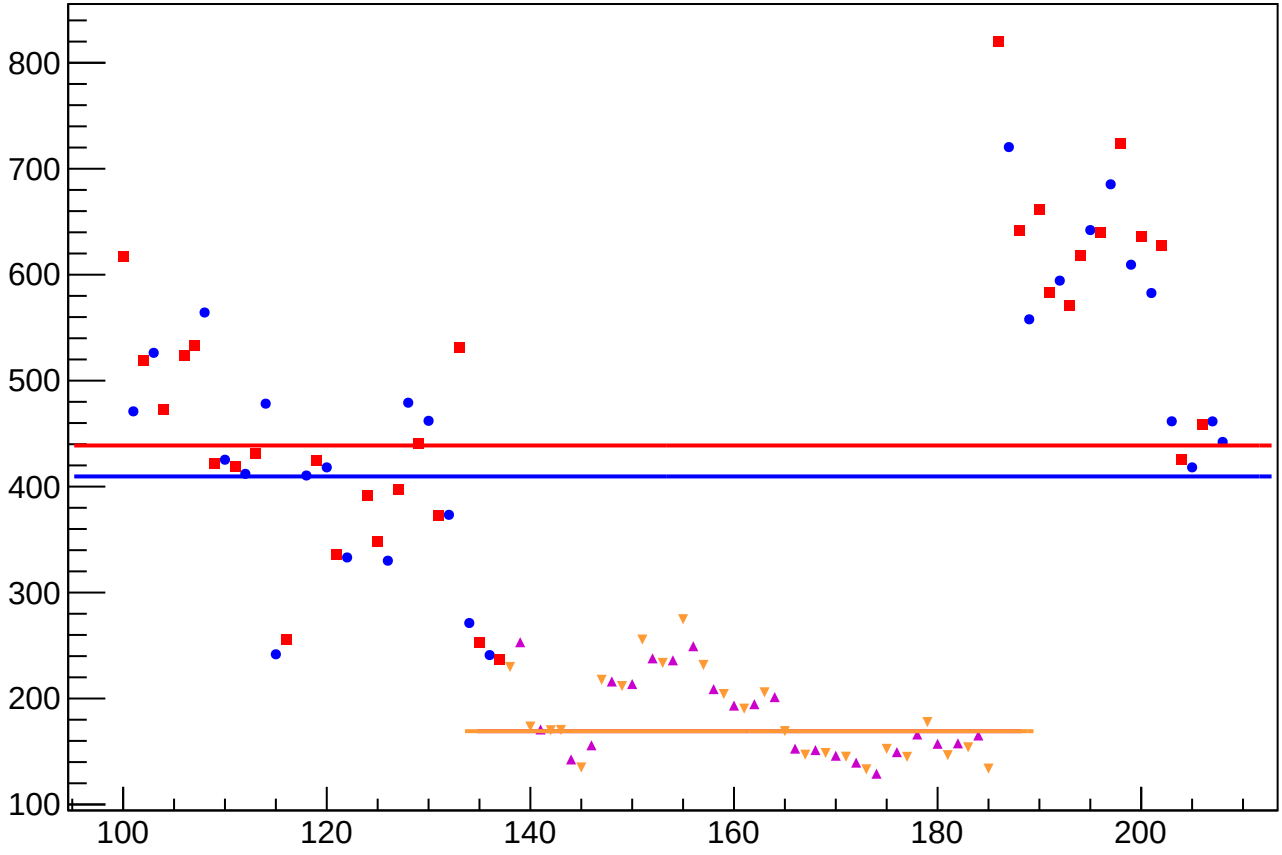
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -195.705+/-36.989 χ^2/NDF: 98.1/51

All: -122.700+/-26.527 χ^2/NDF: 158.0/105

- sign -45.394+/-38.063 χ^2/NDF: 51.8/53

asym_sam_1357_2468_dd_rms vs Slug



Right In: 409.593+/-0.076 χ^2/NDF: 2685440.0/26

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 438.811+/-0.080 χ^2/NDF: 2855627.6/30

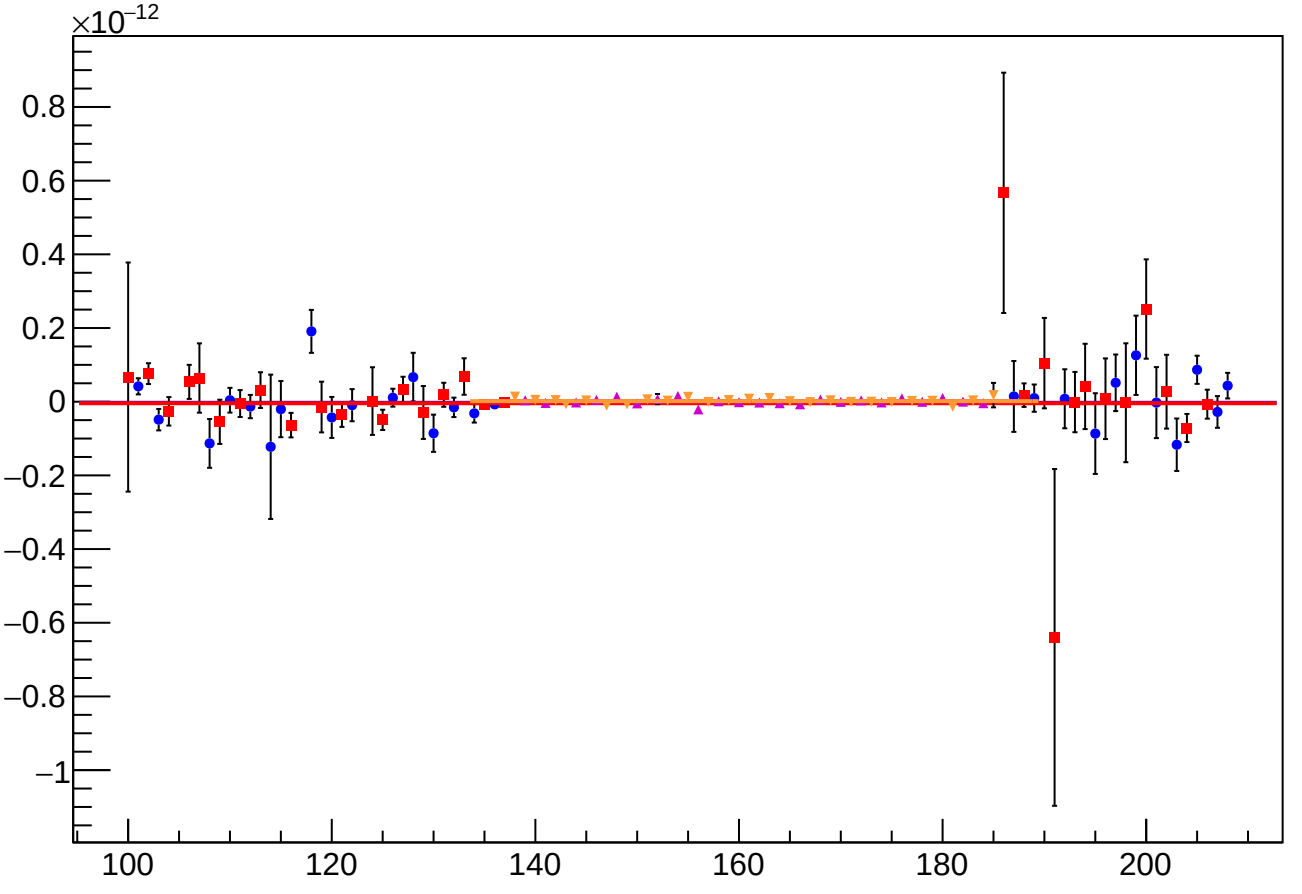
Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 197.312+/-0.026 χ^2/NDF: 12962462.6/51

All: 198.344+/-0.019 χ^2/NDF: 27191506.7/10

- sign 199.436+/-0.027 χ^2/NDF: 14225842.9/53

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 40.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

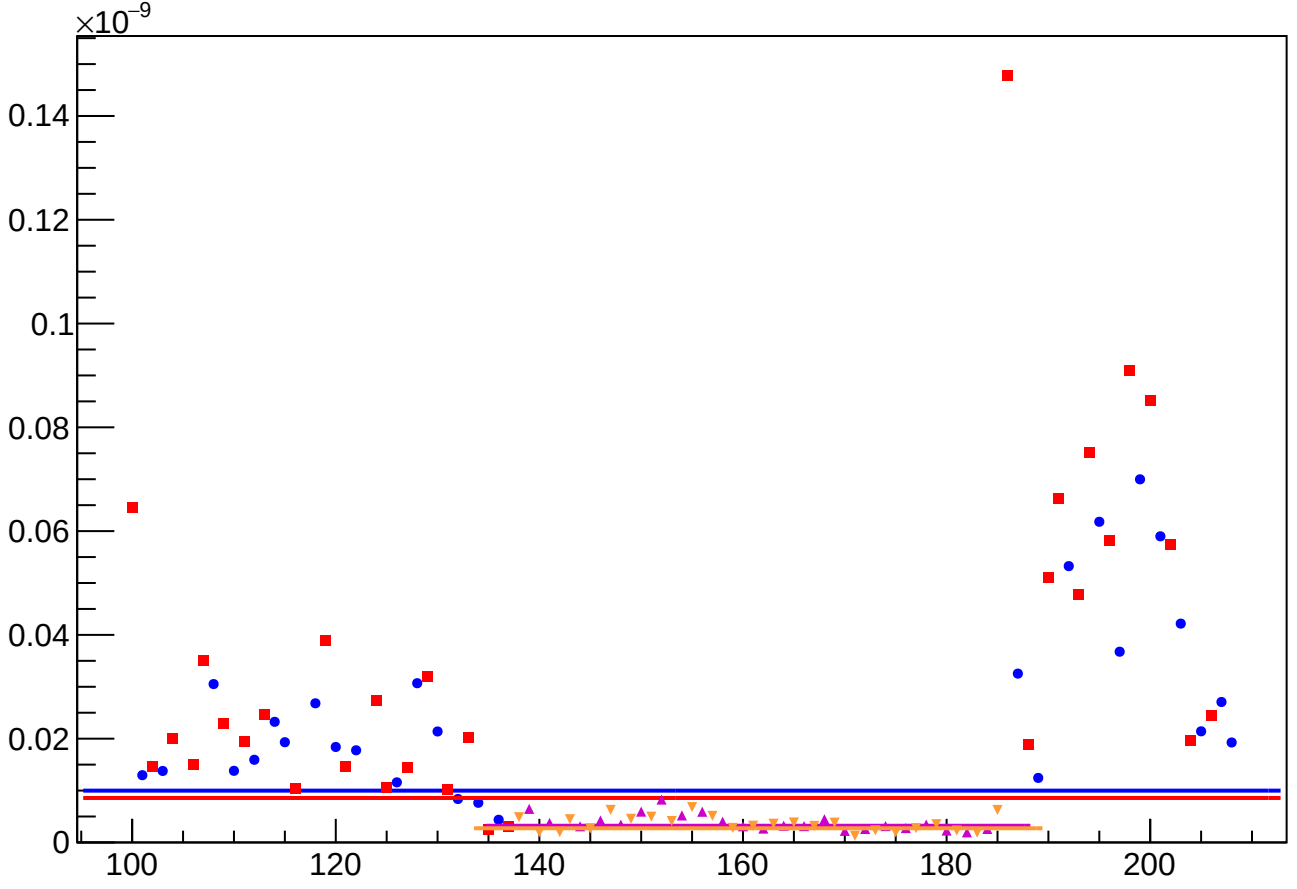
Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/30

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.9/51

All: 0.000+/-0.000 χ^2/NDF: 116.8/105

- sign 0.000+/-0.000 χ^2/NDF: 56.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 5770771.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

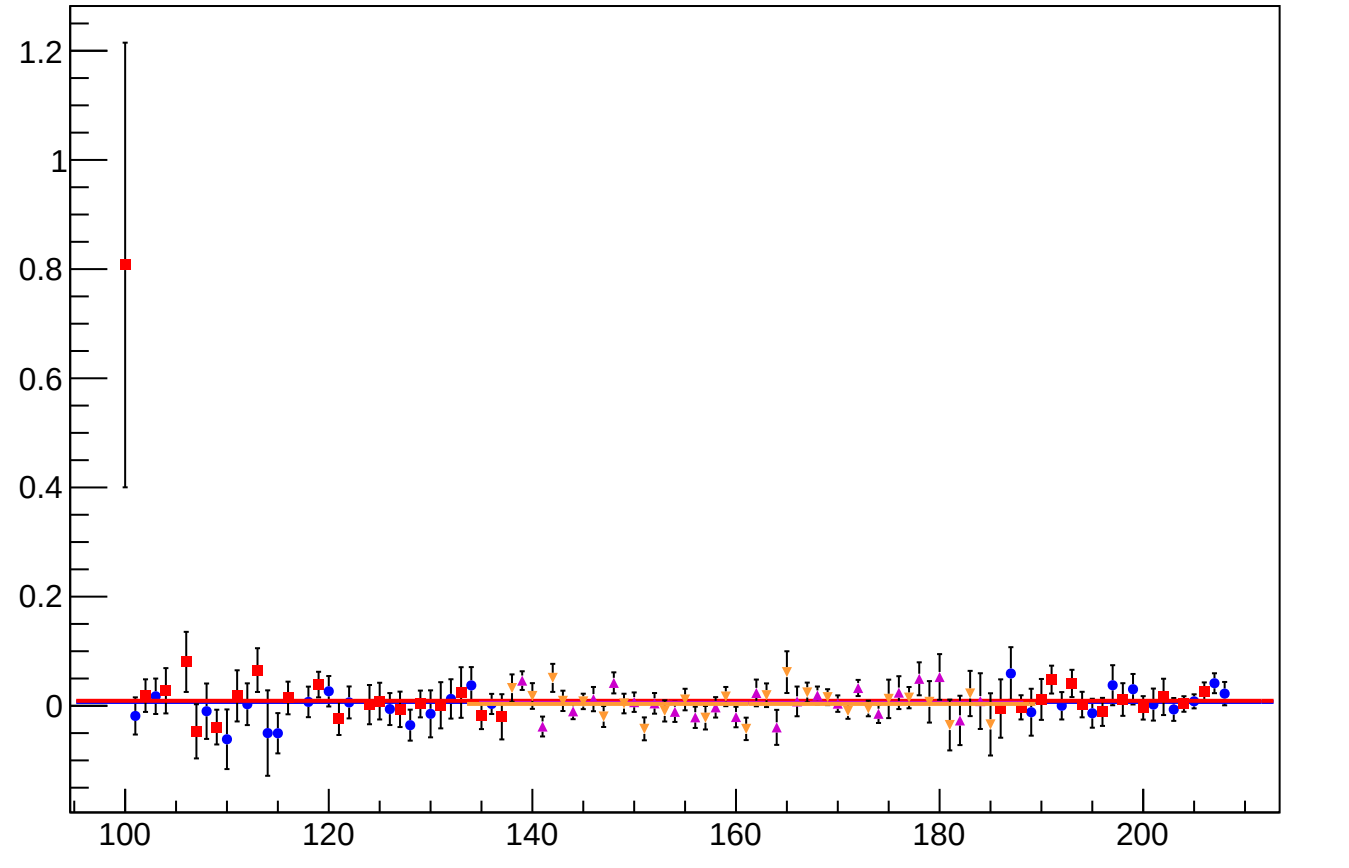
Right Out: 0.000+/-0.000 χ^2/NDF: 8110340.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11167710.2/51

All: 0.000+/-0.000 χ^2/NDF: 22687439.6/105

- sign 0.000+/-0.000 χ^2/NDF: 11367461.6/53



Right In: 0.007+/-0.005 χ^2/NDF: 17.3/26

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: 0.009+/-0.005 χ^2/NDF: 22.9/30

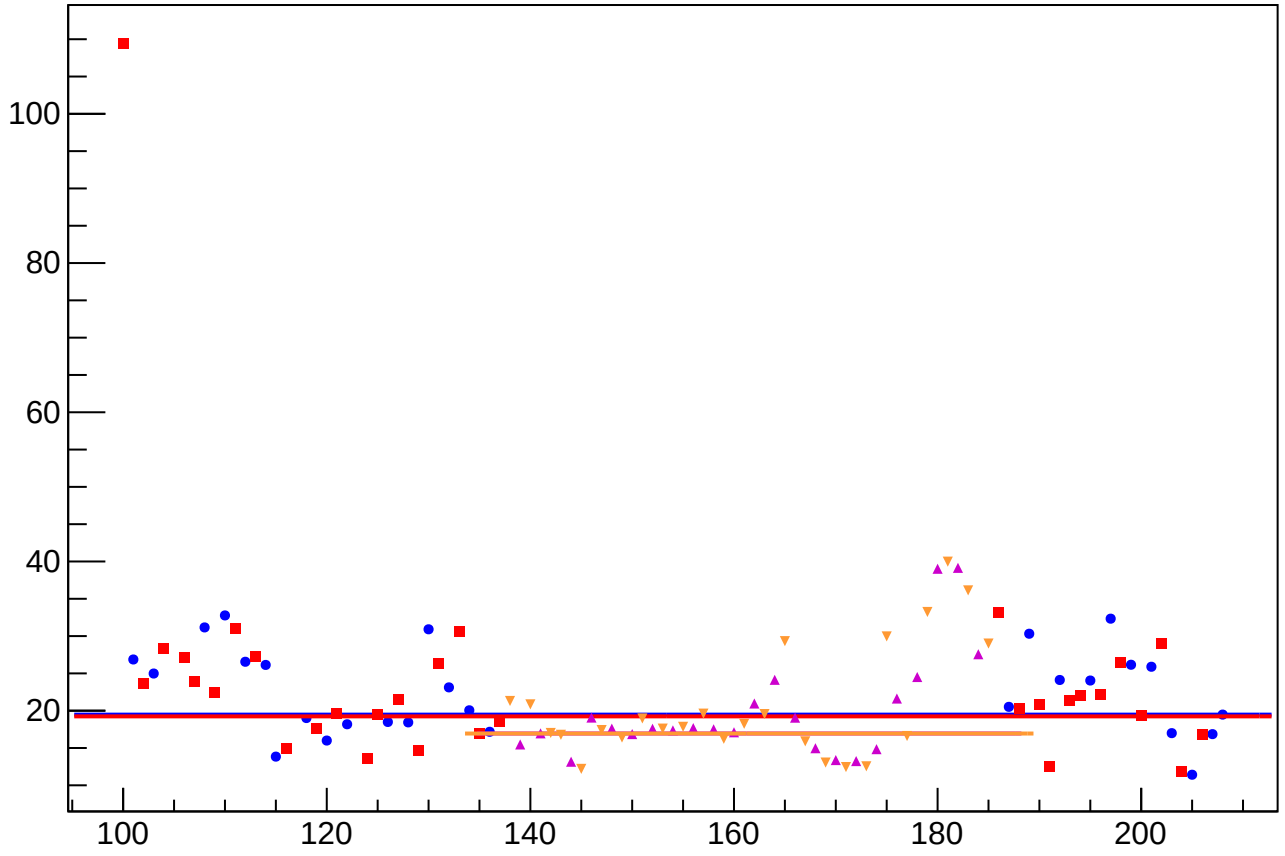
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.005+/-0.003 χ^2/NDF: 44.6/51

All: 0.006+/-0.002 χ^2/NDF: 101.2/105

- sign 0.007+/-0.003 χ^2/NDF: 56.4/53

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 19.472+/-0.004 χ^2/NDF: 2301623.7/26

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

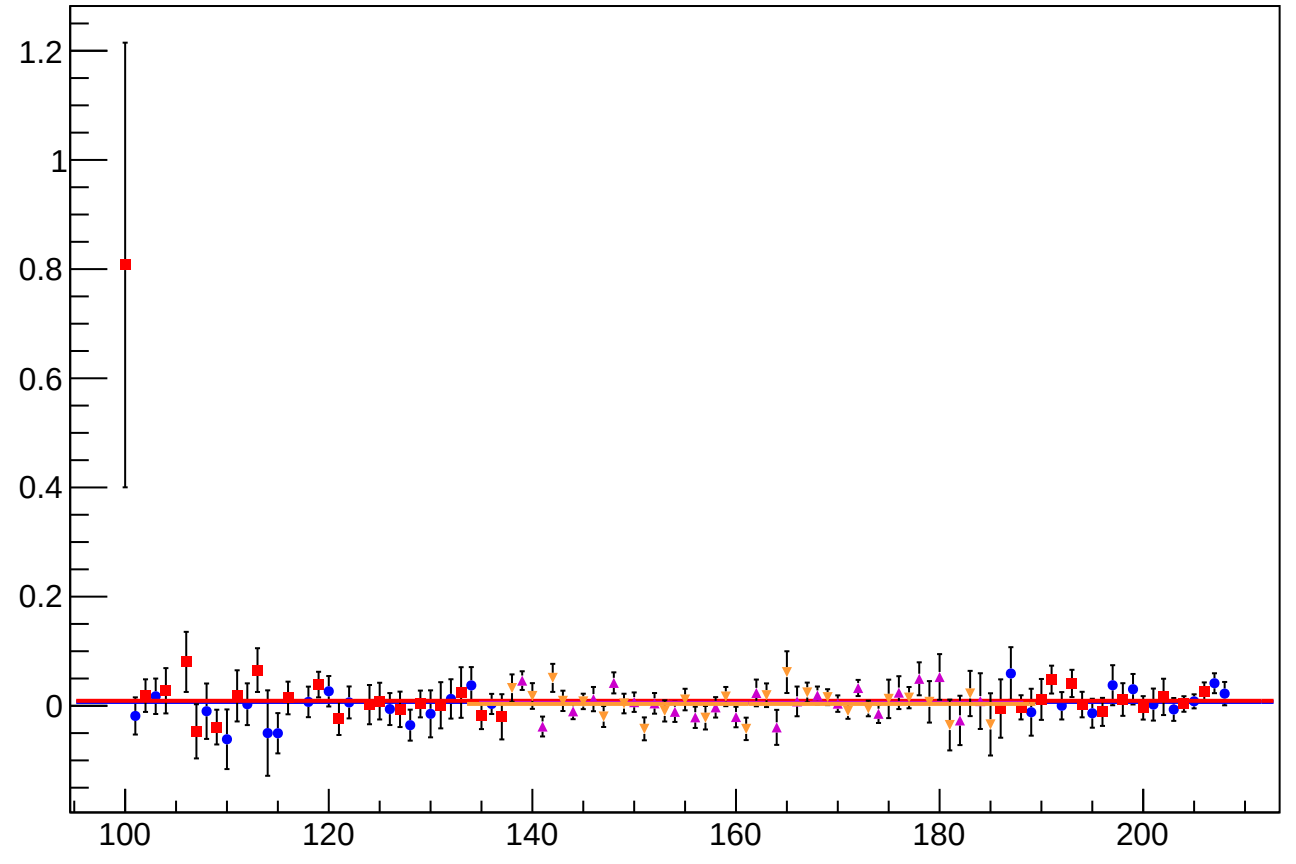
Right Out: 19.239+/-0.004 χ^2/NDF: 2113985.6/30

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.892+/-0.002 χ^2/NDF: 5427030.3/51

All: 17.878+/-0.002 χ^2/NDF: 9723970.5/105

- sign 17.865+/-0.002 χ^2/NDF: 4296870.3/53



Right In: 0.007+/-0.005 χ^2/NDF: 17.3/26

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

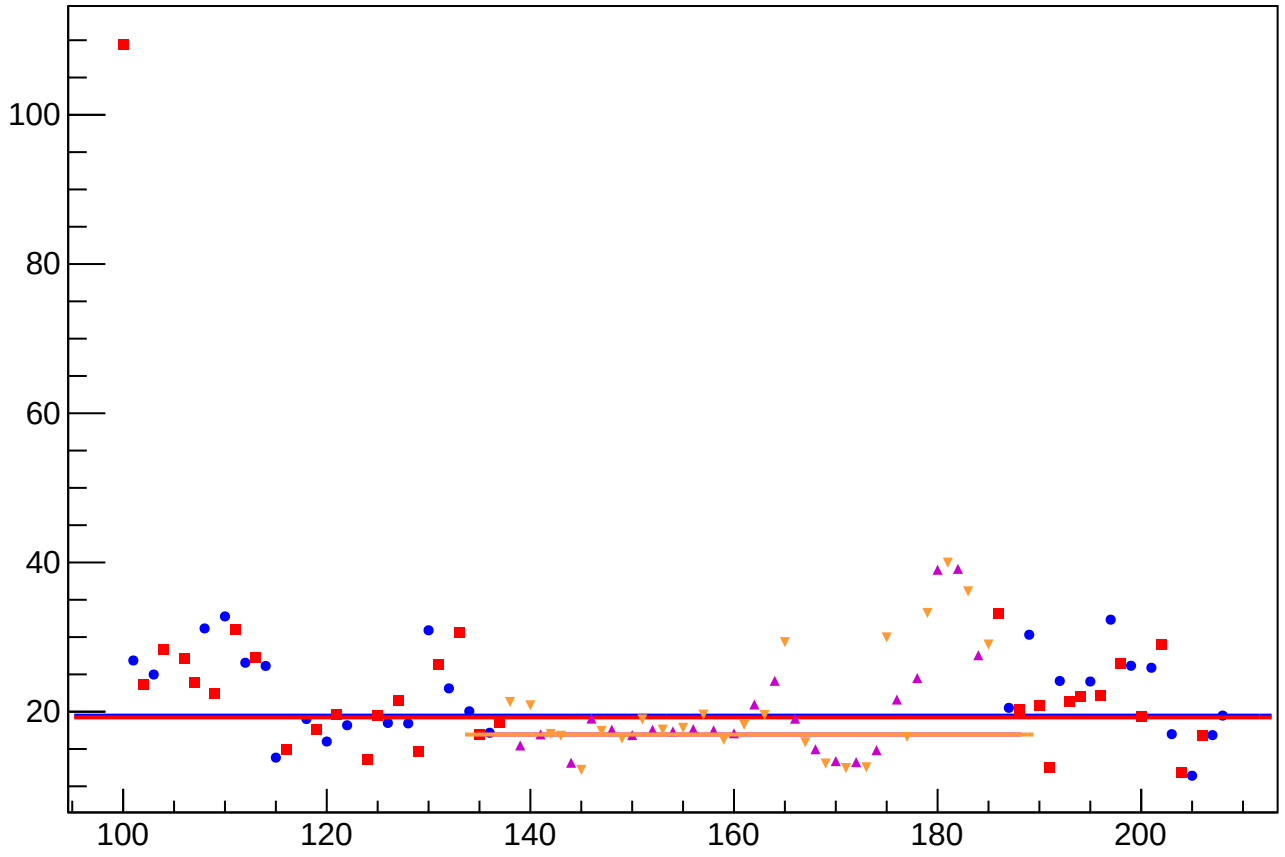
Right Out: 0.009+/-0.005 χ^2/NDF: 22.9/30

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.005+/-0.003 χ^2/NDF: 44.6/51

All: 0.006+/-0.002 χ^2/NDF: 101.2/105

- sign 0.007+/-0.003 χ^2/NDF: 56.4/53



Right In: 19.472+/-0.004 χ^2/NDF: 2301623.7/26

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

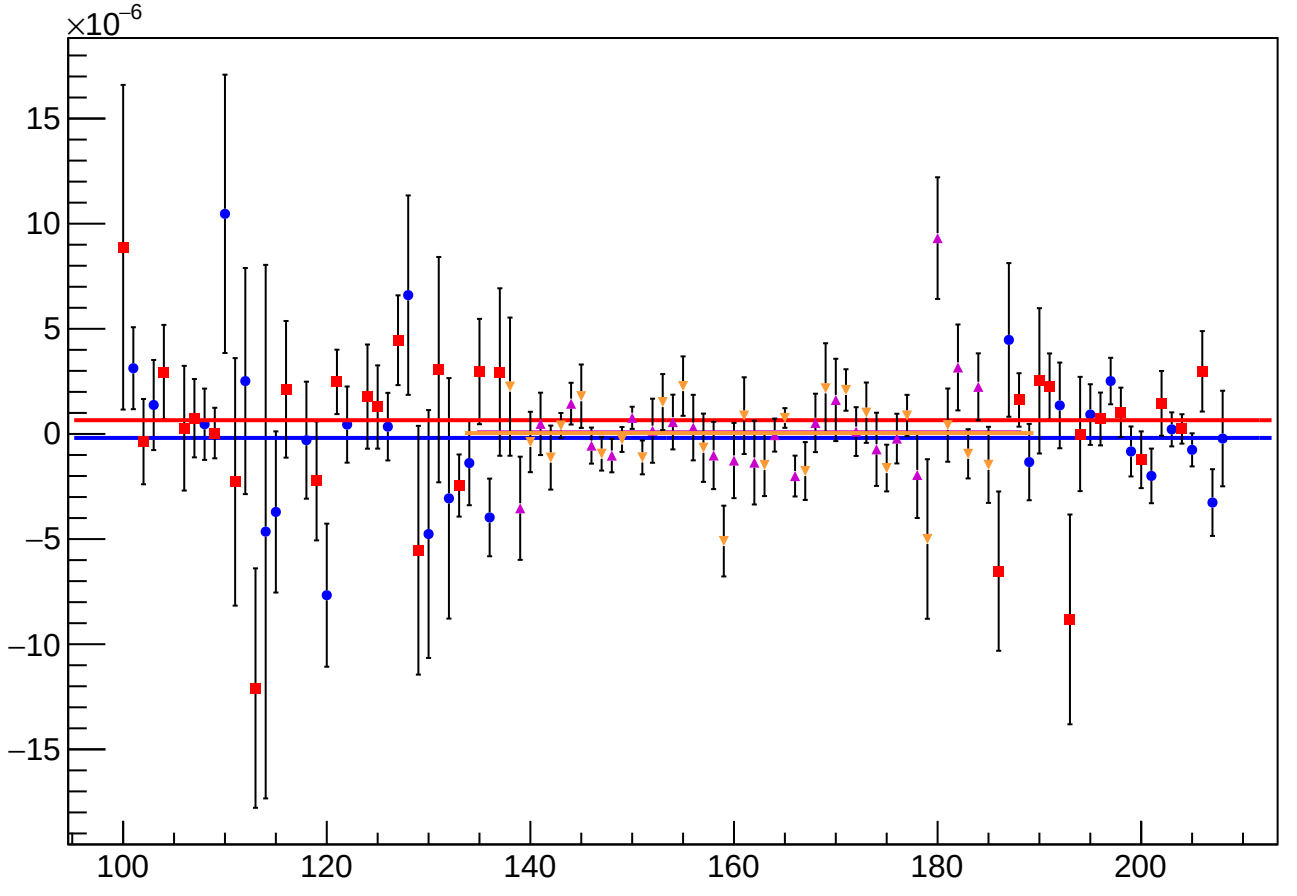
Right Out: 19.239+/-0.004 χ^2/NDF: 2113985.6/30

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 17.892+/-0.002 χ^2/NDF: 5427030.3/51

All: 17.878+/-0.002 χ^2/NDF: 9723970.5/105

\- sign 17.865+/-0.002 χ^2/NDF: 4296870.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 35.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

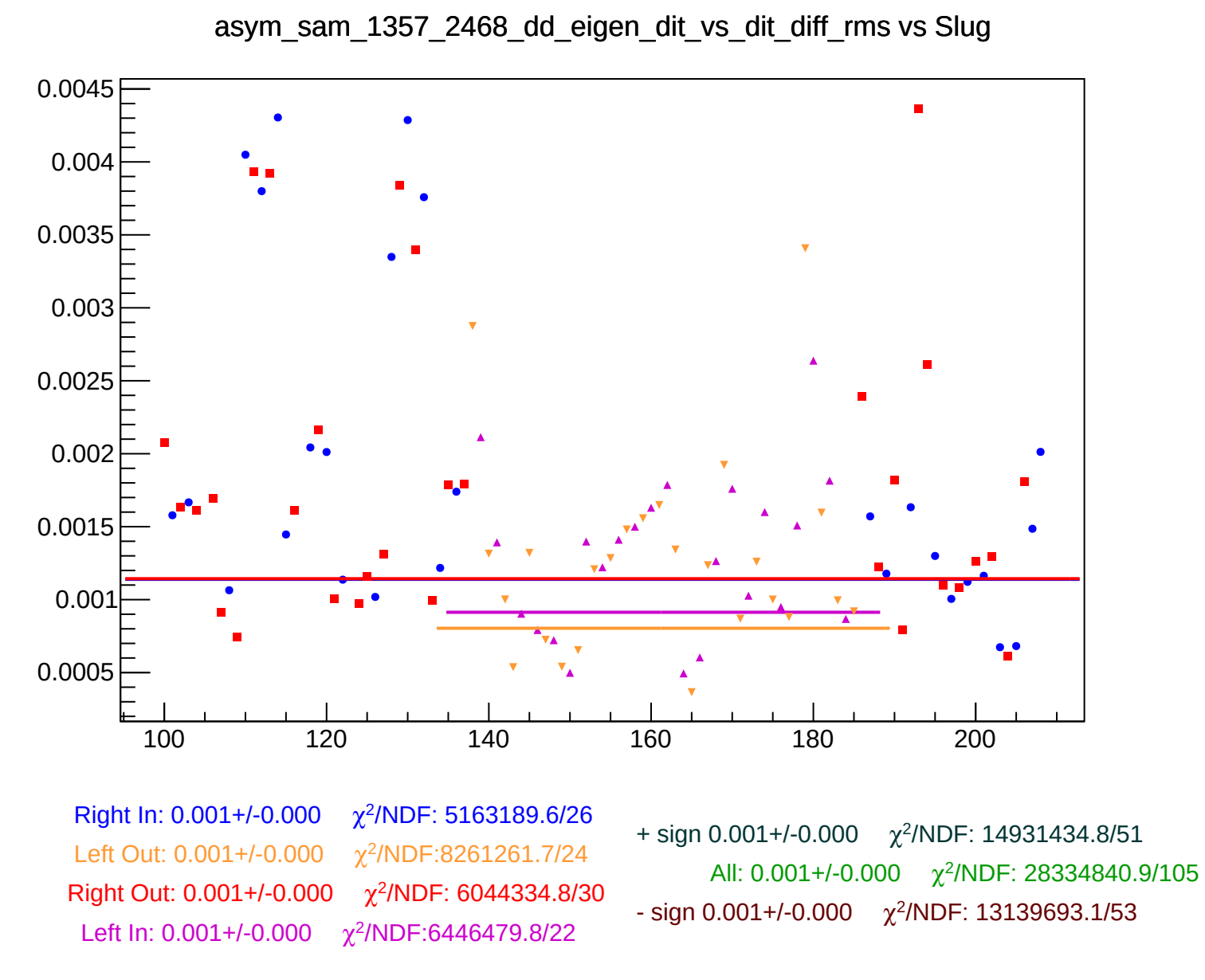
Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/30

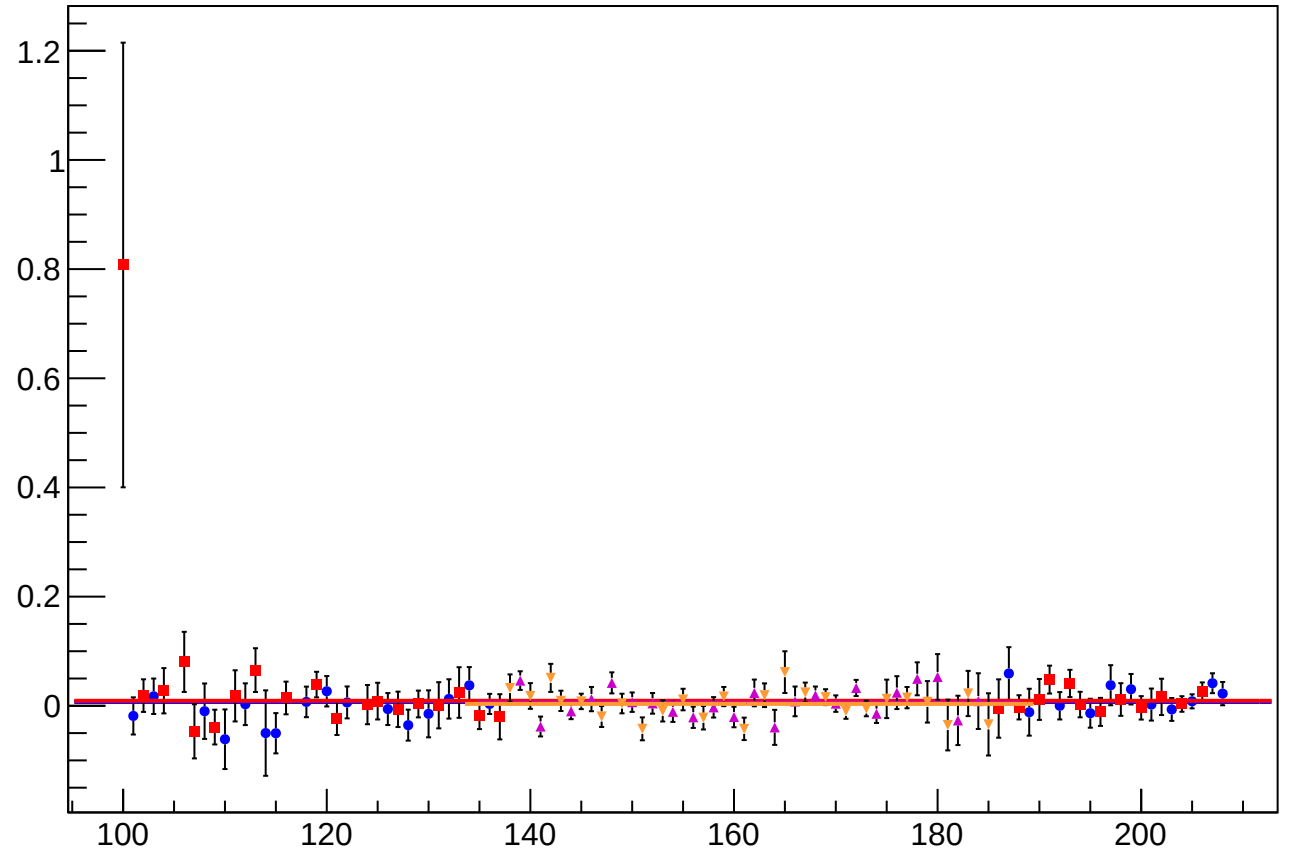
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.4/51

All: 0.000+/-0.000 χ^2/NDF: 142.1/105

- sign 0.000+/-0.000 χ^2/NDF: 67.3/53


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 5163189.6/26
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 6044334.8/30
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 14931434.8/51
All: 0.001+/-0.000 χ²/NDF: 28334840.9/105
- sign 0.001+/-0.000 χ²/NDF: 13139693.1/53



Right In: 0.007+/-0.005 χ^2/NDF: 17.3/26

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

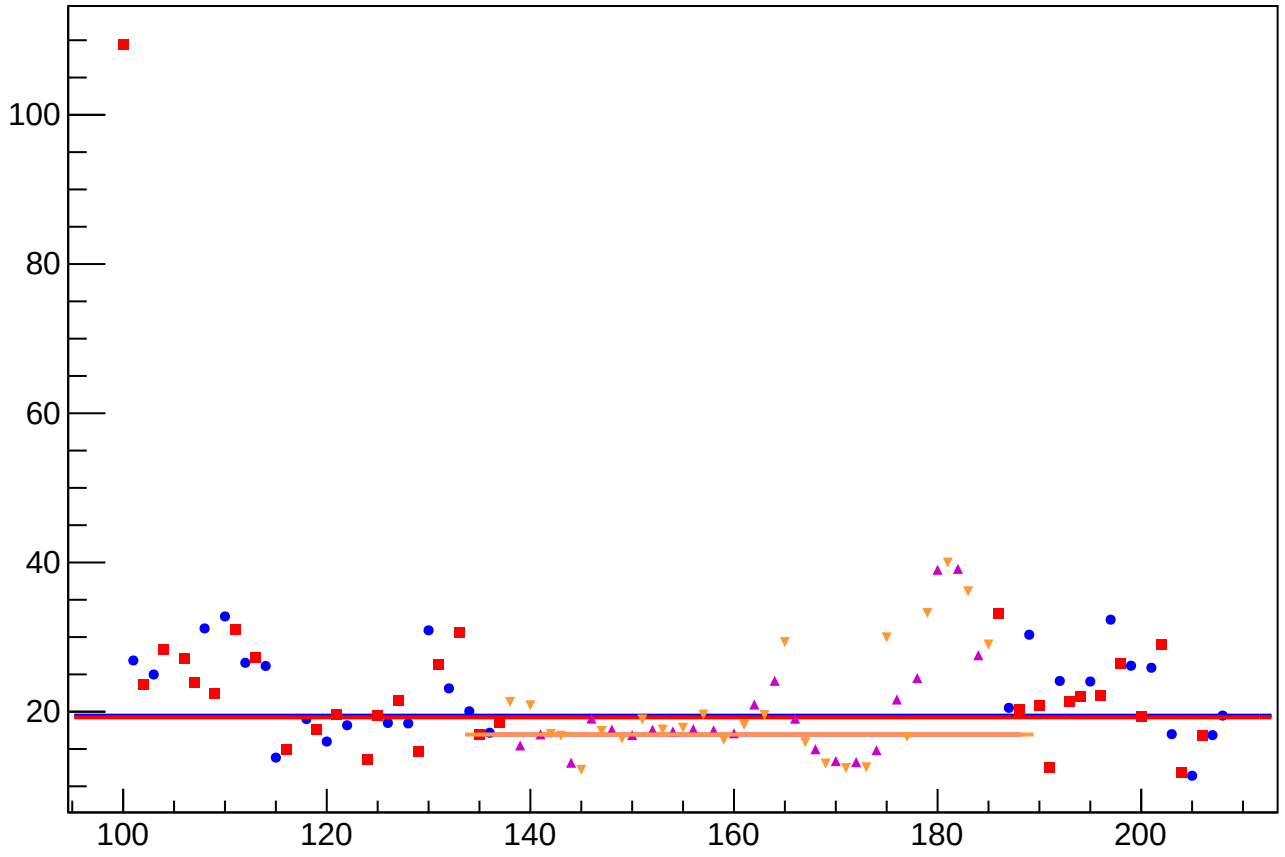
Right Out: 0.009+/-0.005 χ^2/NDF: 22.9/30

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.005+/-0.003 χ^2/NDF: 44.6/51

All: 0.006+/-0.002 χ^2/NDF: 101.2/105

- sign 0.007+/-0.003 χ^2/NDF: 56.4/53



Right In: 19.472+/-0.004 χ^2/NDF: 2301622.0/26

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

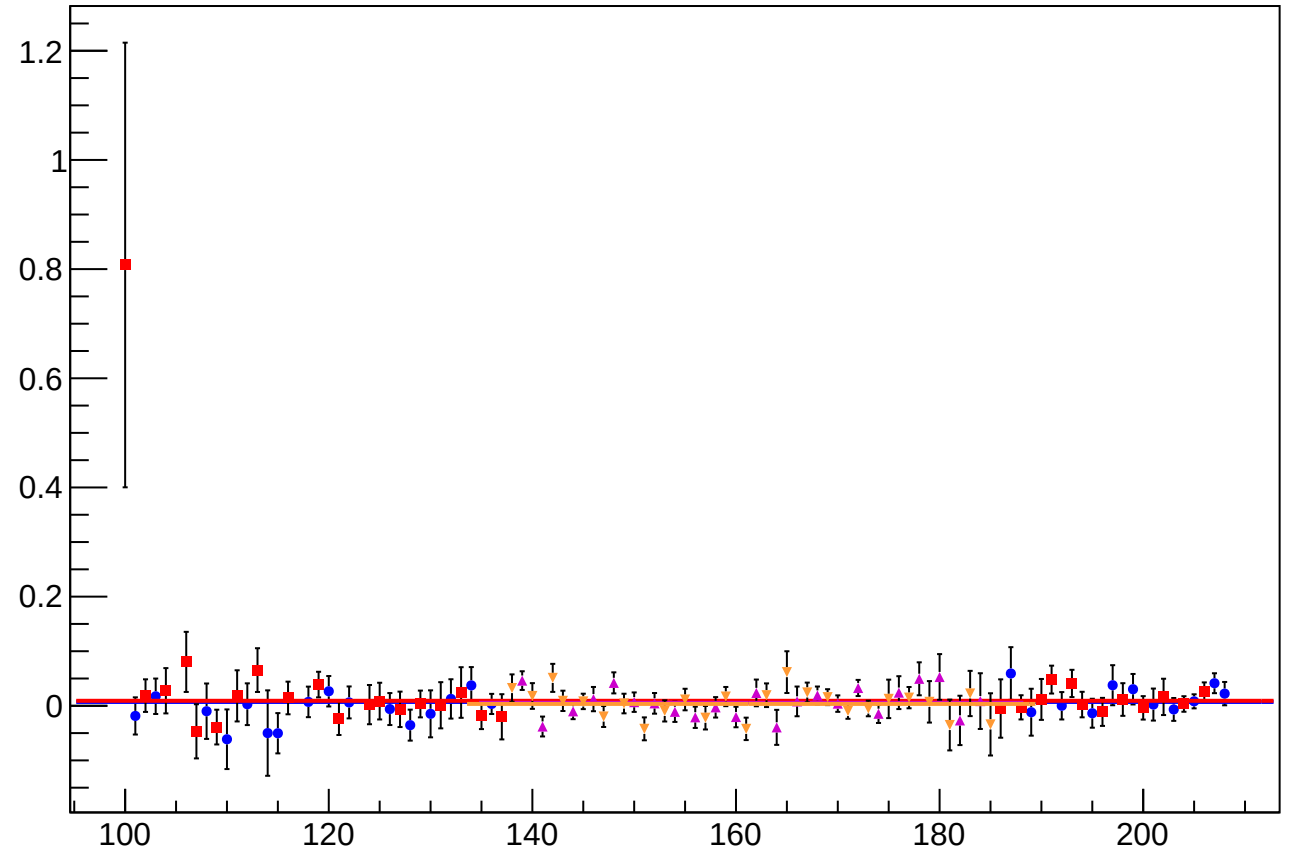
Right Out: 19.239+/-0.004 χ^2/NDF: 2114034.5/30

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.892+/-0.002 χ^2/NDF: 5426919.0/51

All: 17.878+/-0.002 χ^2/NDF: 9723830.8/105

- sign 17.865+/-0.002 χ^2/NDF: 4296841.6/53



Right In: 0.007+/-0.005 χ^2/NDF: 17.3/26

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

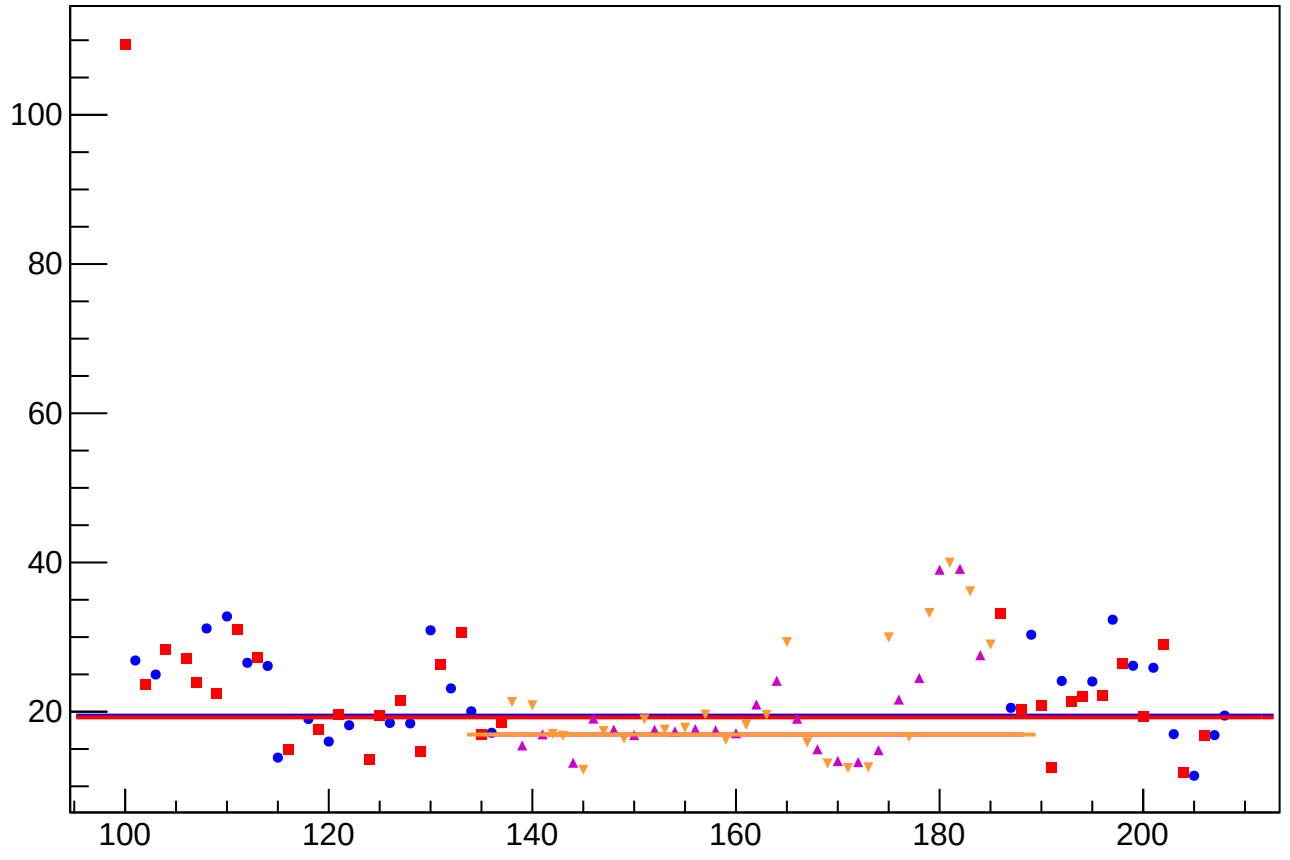
Right Out: 0.009+/-0.005 χ^2/NDF: 22.9/30

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.005+/-0.003 χ^2/NDF: 44.6/51

All: 0.006+/-0.002 χ^2/NDF: 101.2/105

- sign 0.007+/-0.003 χ^2/NDF: 56.4/53



Right In: 19.472+/-0.004 χ^2/NDF: 2301622.0/26

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

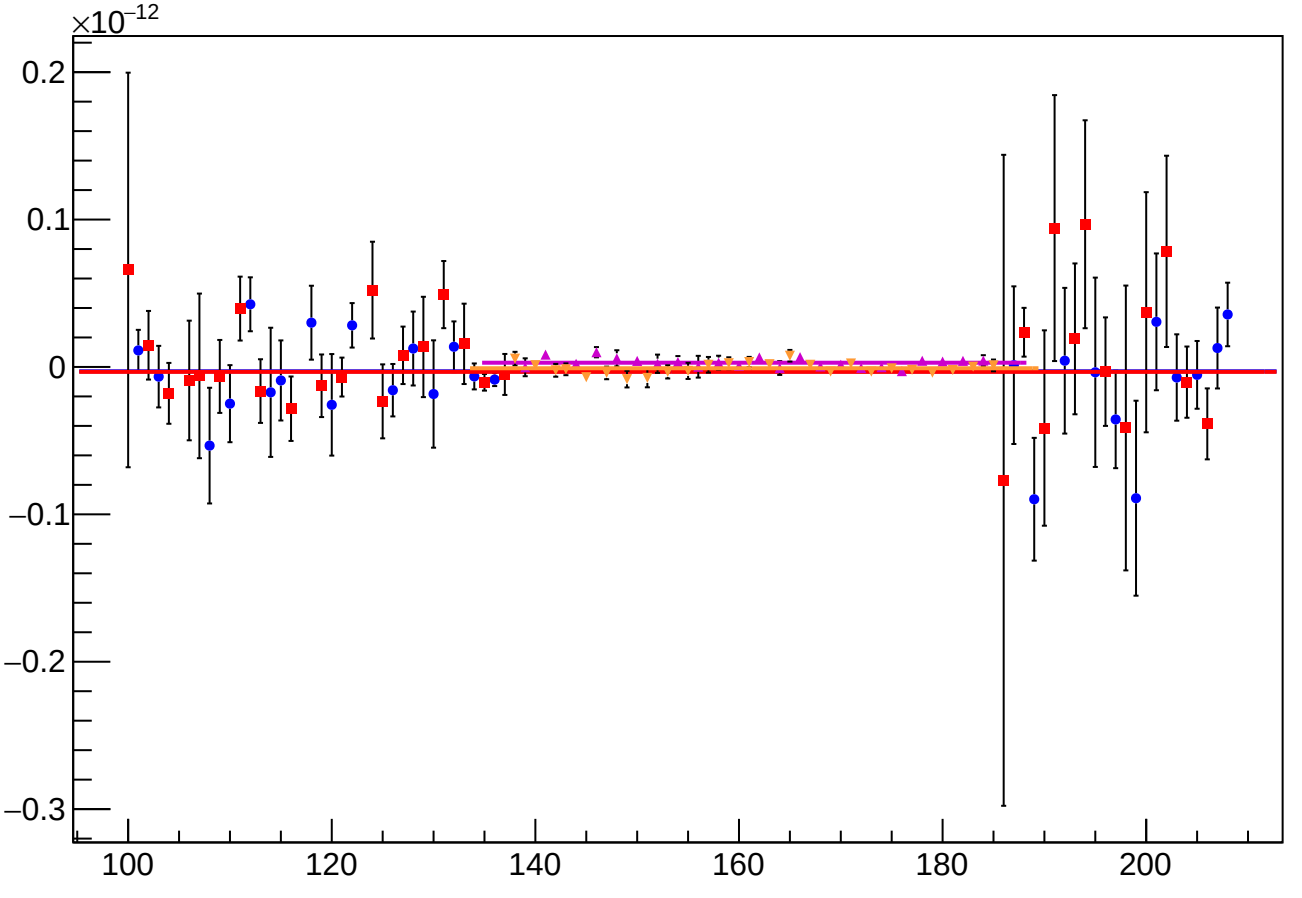
Right Out: 19.239+/-0.004 χ^2/NDF: 2114034.5/30

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.892+/-0.002 χ^2/NDF: 5426919.0/51

All: 17.878+/-0.002 χ^2/NDF: 9723830.8/105

- sign 17.865+/-0.002 χ^2/NDF: 4296841.6/53



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

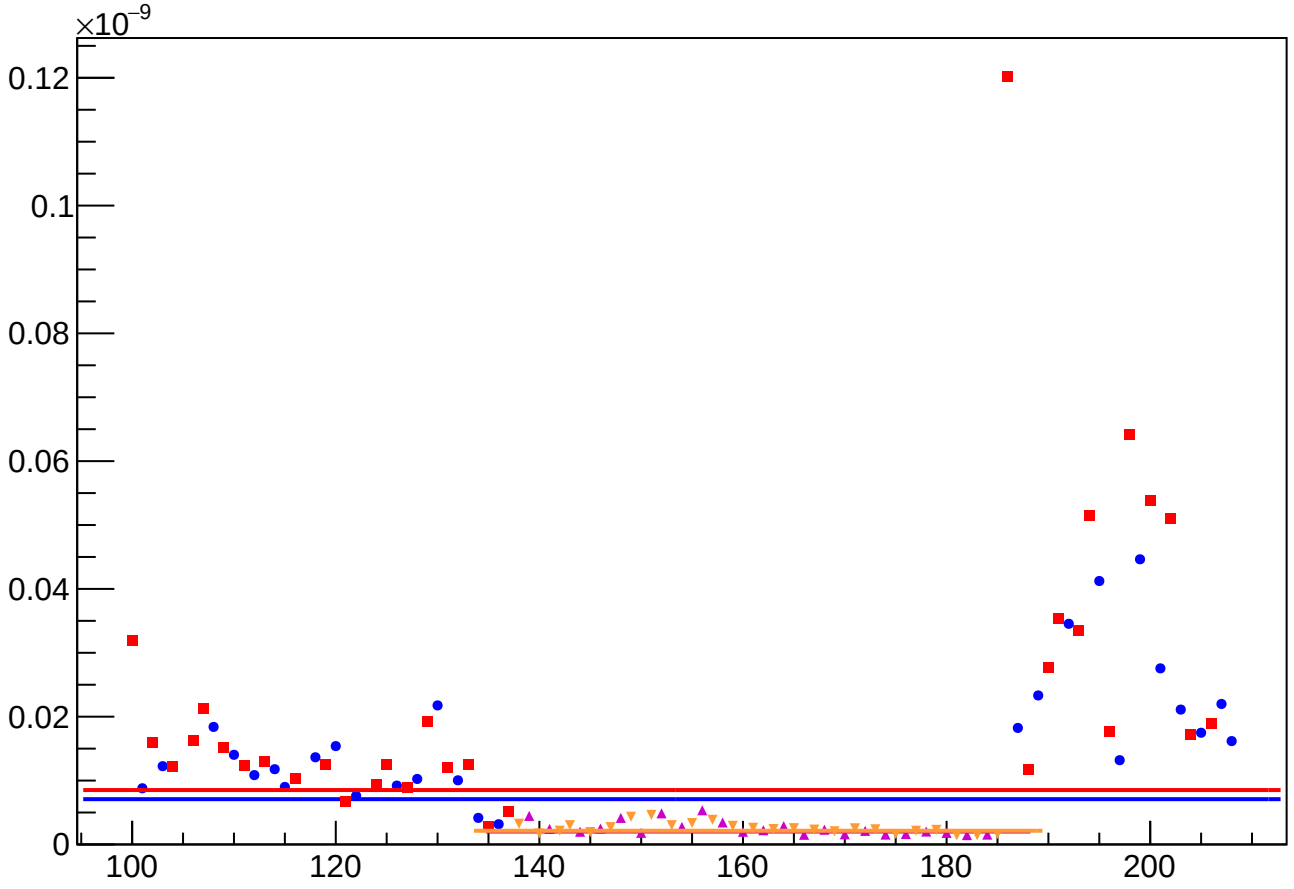
Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/30

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.1/51

All: 0.000+/-0.000 χ^2/NDF: 127.4/105

- sign 0.000+/-0.000 χ^2/NDF: 55.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 7562377.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8466020.1/30

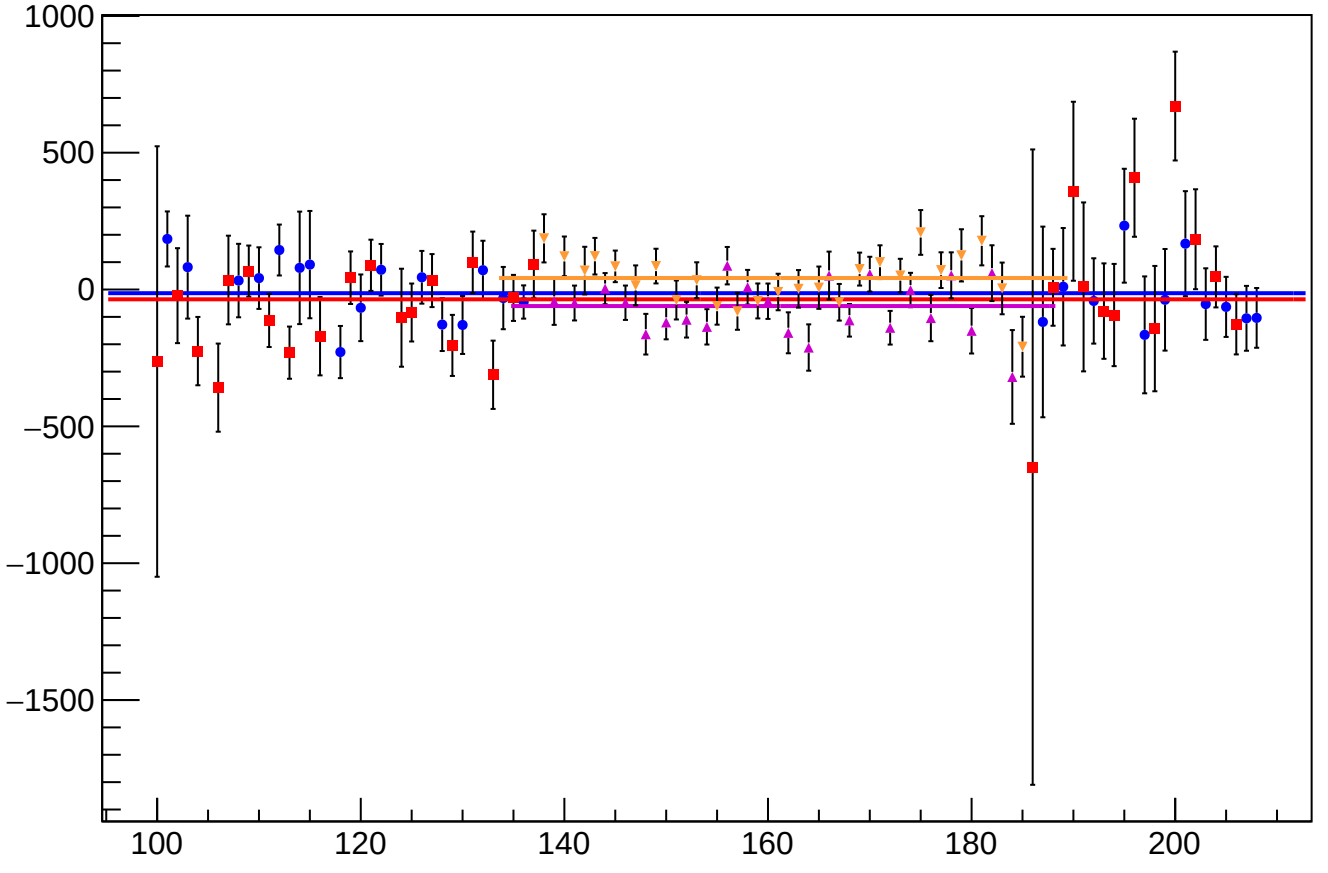
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14620111.1/51

All: 0.000+/-0.000 χ^2/NDF: 31744645.6/105

- sign 0.000+/-0.000 χ^2/NDF: 17080243.0/53

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -13.432+/-22.797 χ^2/NDF: 22.4/26

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -35.763+/-23.386 χ^2/NDF: 48.3/30

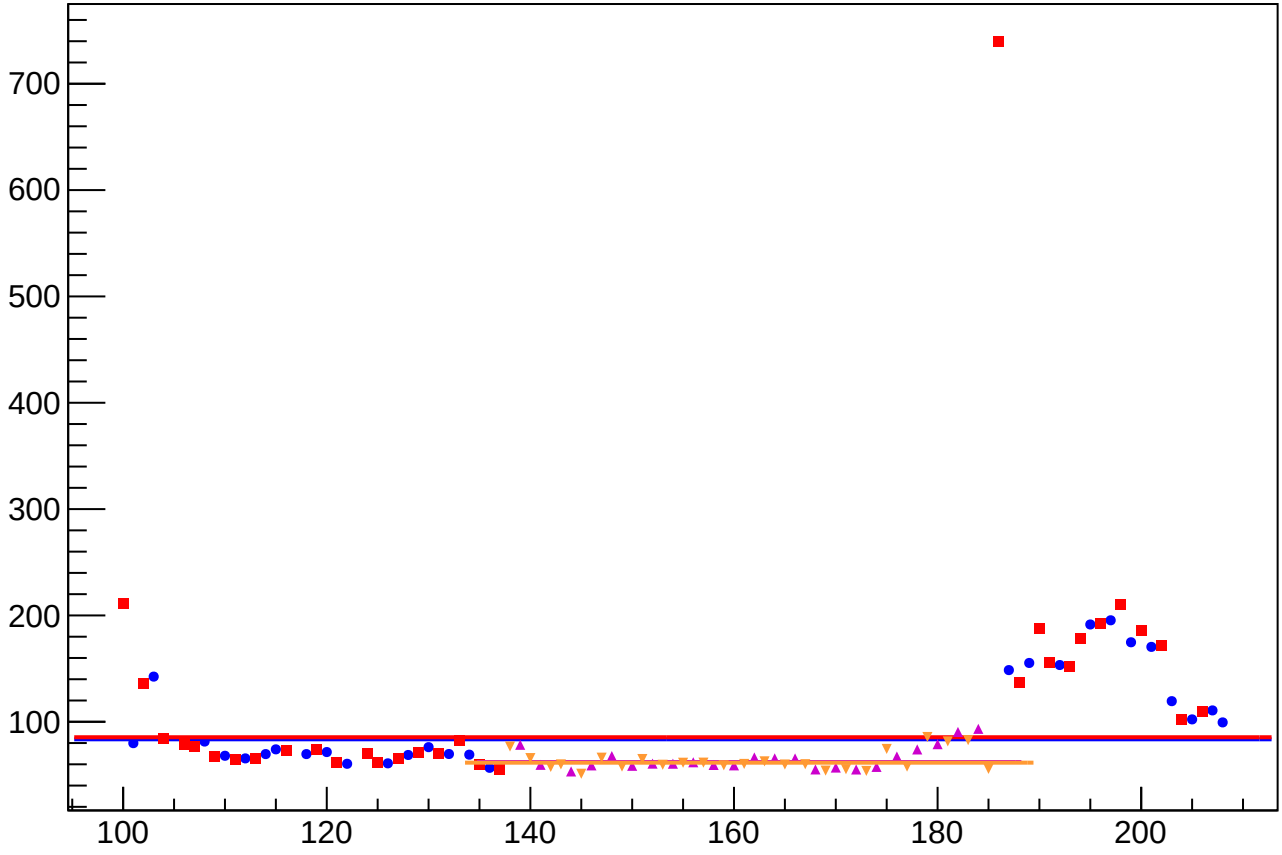
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 26.543+/-12.041 χ^2/NDF: 58.7/51

All: -12.081+/-8.657 χ^2/NDF: 161.3/105

- sign -53.396+/-12.454 χ^2/NDF: 81.3/53

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 83.510+/-0.016 χ^2/NDF: 4160897.6/26

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

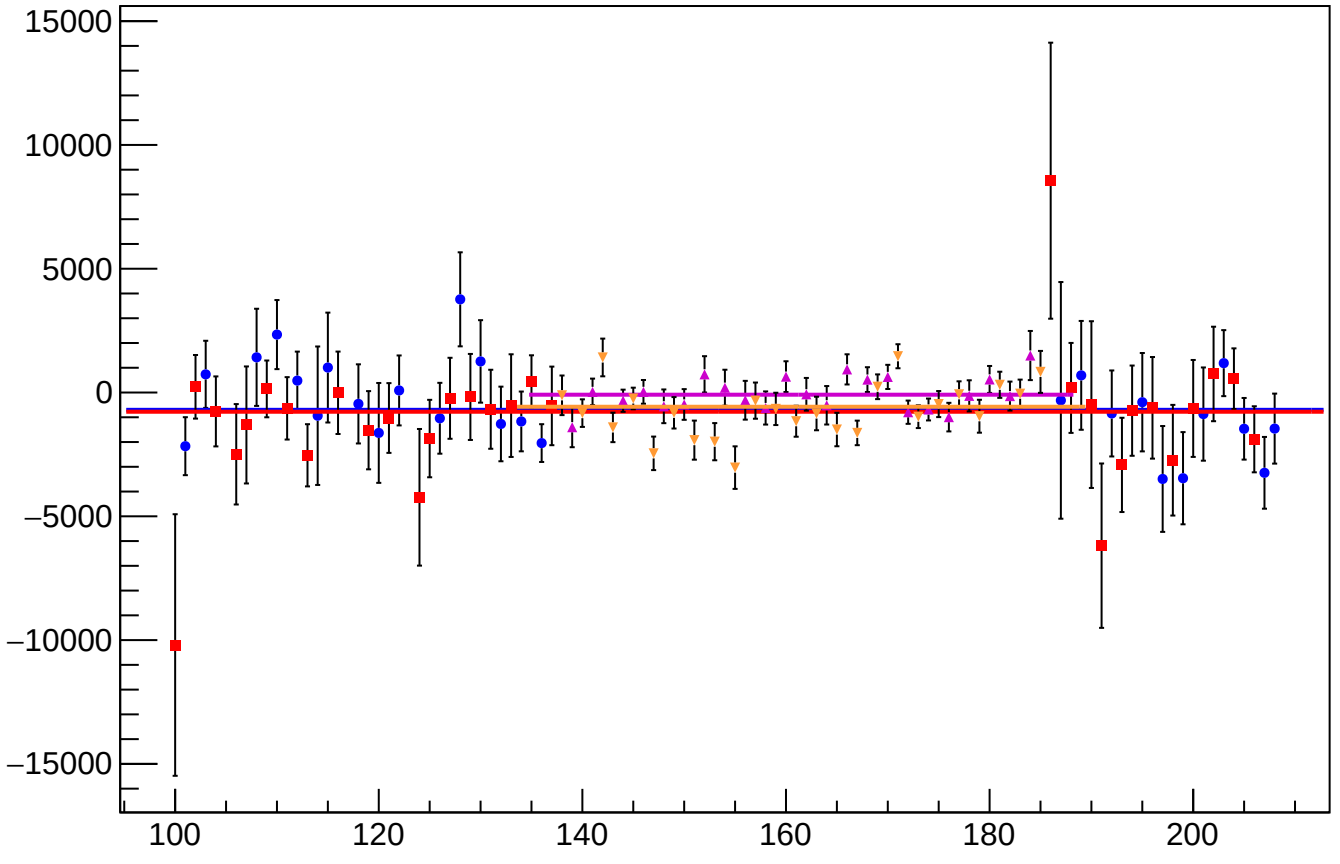
Right Out: 85.452+/-0.017 χ^2/NDF: 5402636.1/30

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 67.673+/-0.009 χ^2/NDF: 6137588.7/51

All: 68.195+/-0.006 χ^2/NDF: 13567918.0/105

- sign 68.754+/-0.009 χ^2/NDF: 7422536.9/53



Right In: -698.764+/-288.370 χ^2/NDF: 31.2/26

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: -776.389+/-297.273 χ^2/NDF: 21.6/30

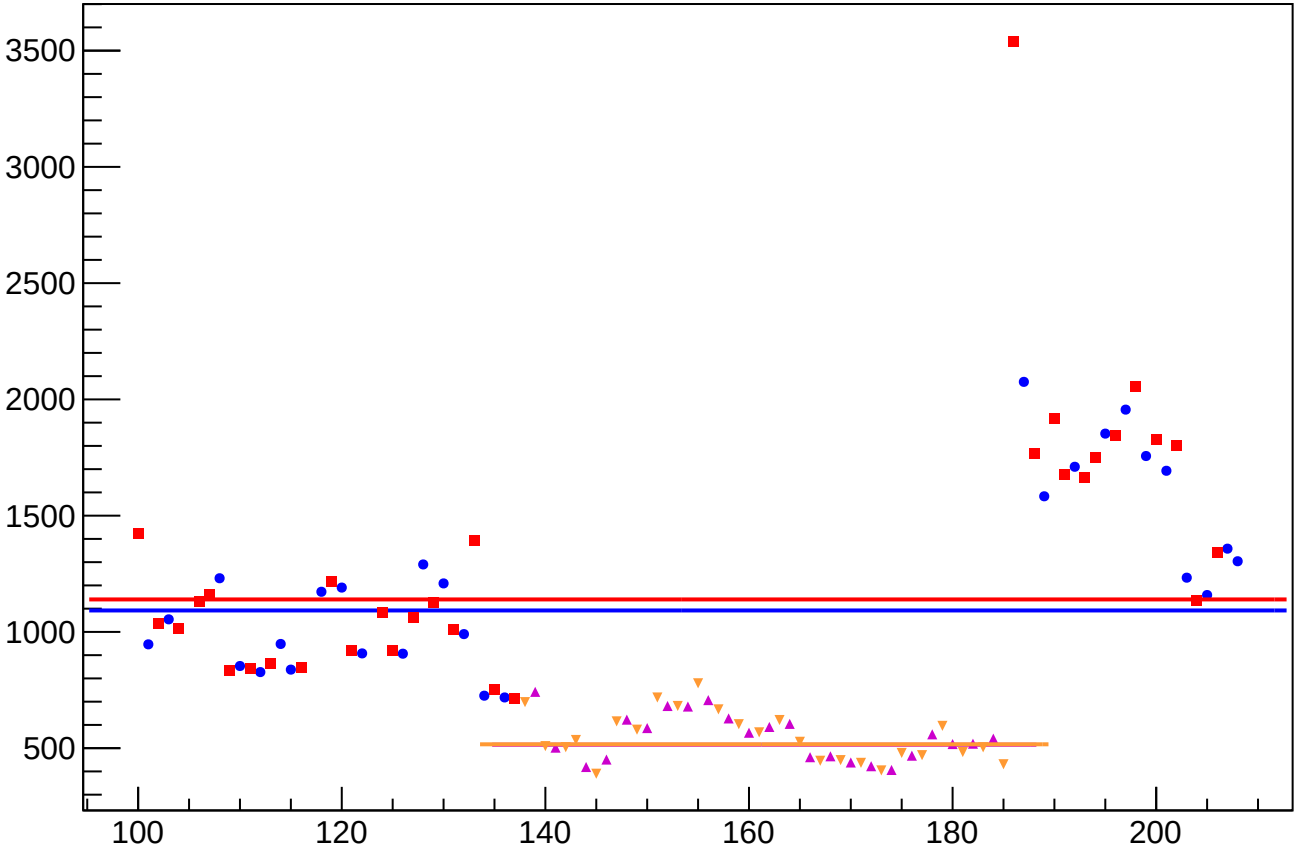
Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -593.044+/-110.583 χ^2/NDF: 100.2/51

All: -395.455+/-79.121 χ^2/NDF: 157.5/105

- sign -188.201+/-113.254 χ^2/NDF: 50.8/53

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 1092.294+/-0.204 χ^2/NDF: 2674494.6/26

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1139.713+/-0.210 χ^2/NDF: 3256042.4/30

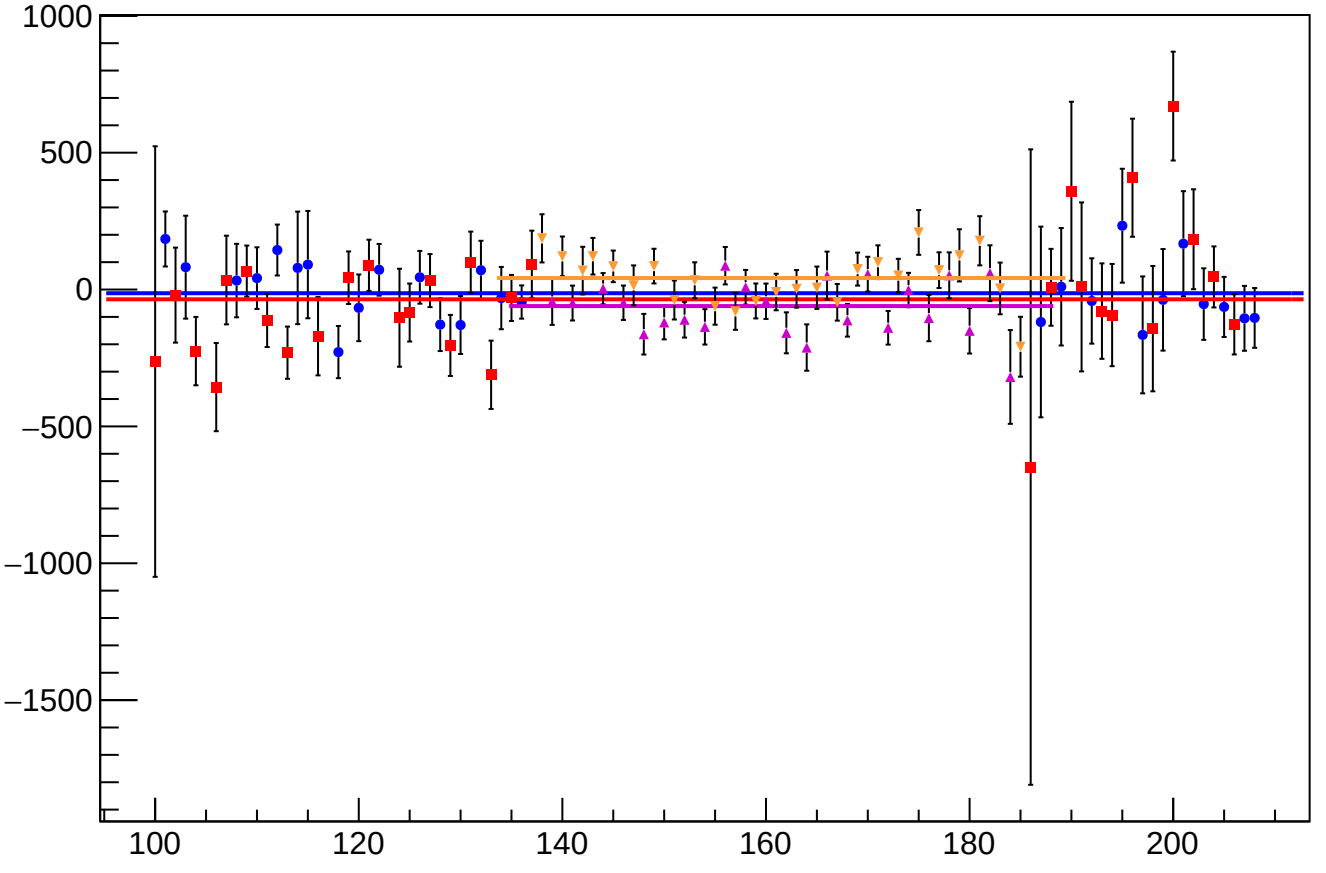
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 601.287+/-0.078 χ^2/NDF: 10737659.5/51

All: 603.337+/-0.056 χ^2/NDF: 22671291.5/10

- sign 605.486+/-0.080 χ^2/NDF: 11932224.6/53

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -13.440+/-22.797 χ^2/NDF: 22.4/26

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -35.667+/-23.387 χ^2/NDF: 48.2/30

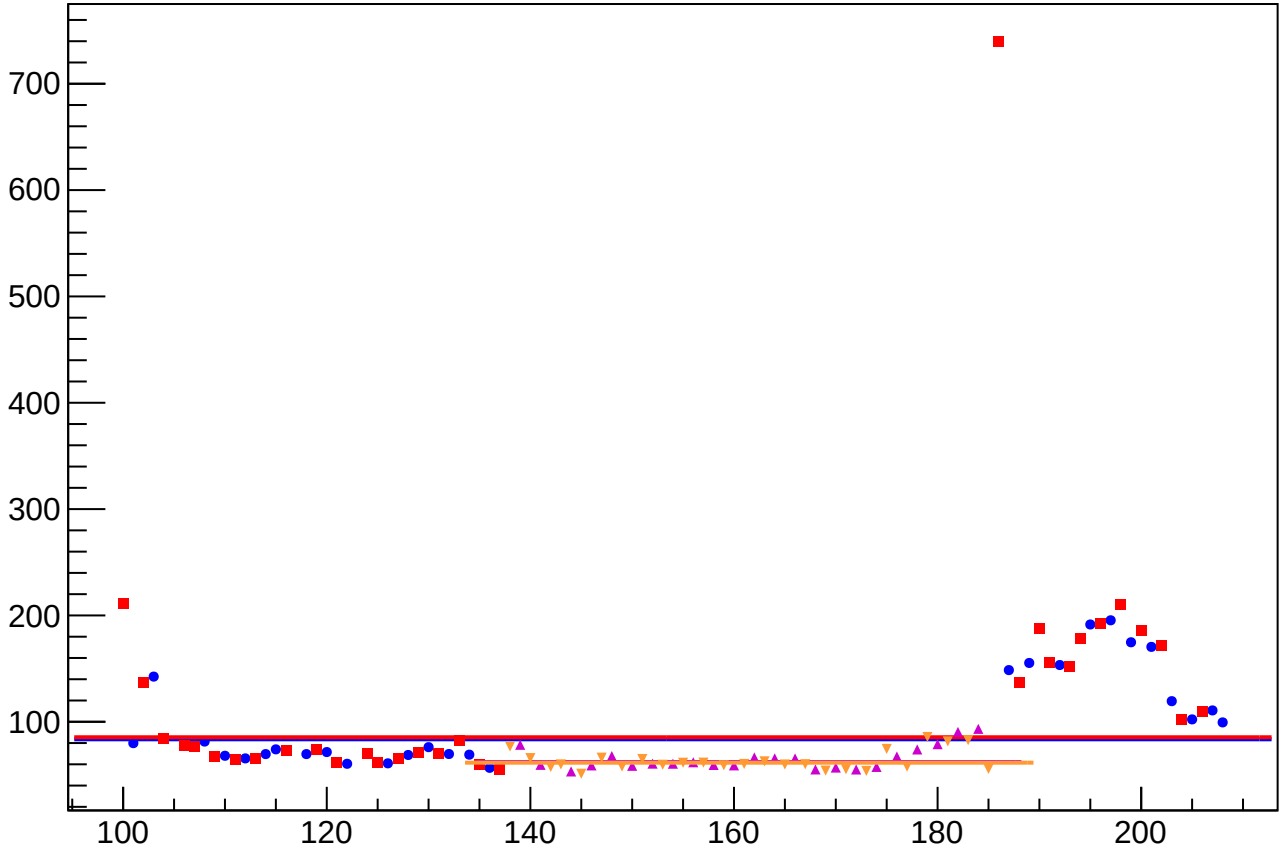
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 26.544+/-12.041 χ^2/NDF: 58.7/51

All: -12.067+/-8.657 χ^2/NDF: 161.2/105

- sign -53.369+/-12.454 χ^2/NDF: 81.2/53

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 83.510+/-0.016 χ^2/NDF: 4160900.7/26

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

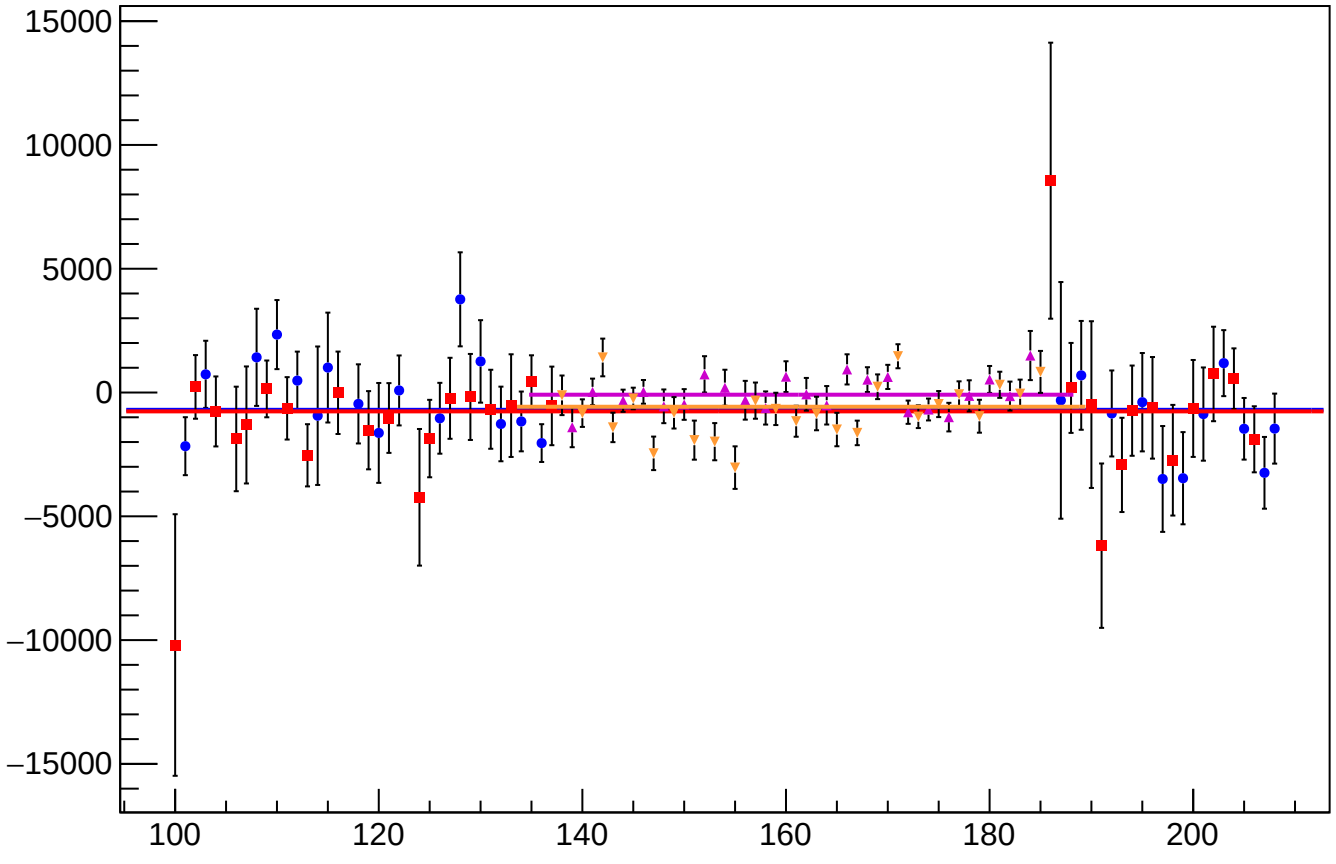
Right Out: 85.438+/-0.017 χ^2/NDF: 5403715.1/30

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 67.673+/-0.009 χ^2/NDF: 6137591.8/51

All: 68.193+/-0.006 χ^2/NDF: 13567149.0/105

- sign 68.750+/-0.009 χ^2/NDF: 7421826.9/53



Right In: -698.746+/-288.371 χ^2/NDF: 31.2/26

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: -761.569+/-297.533 χ^2/NDF: 21.2/30

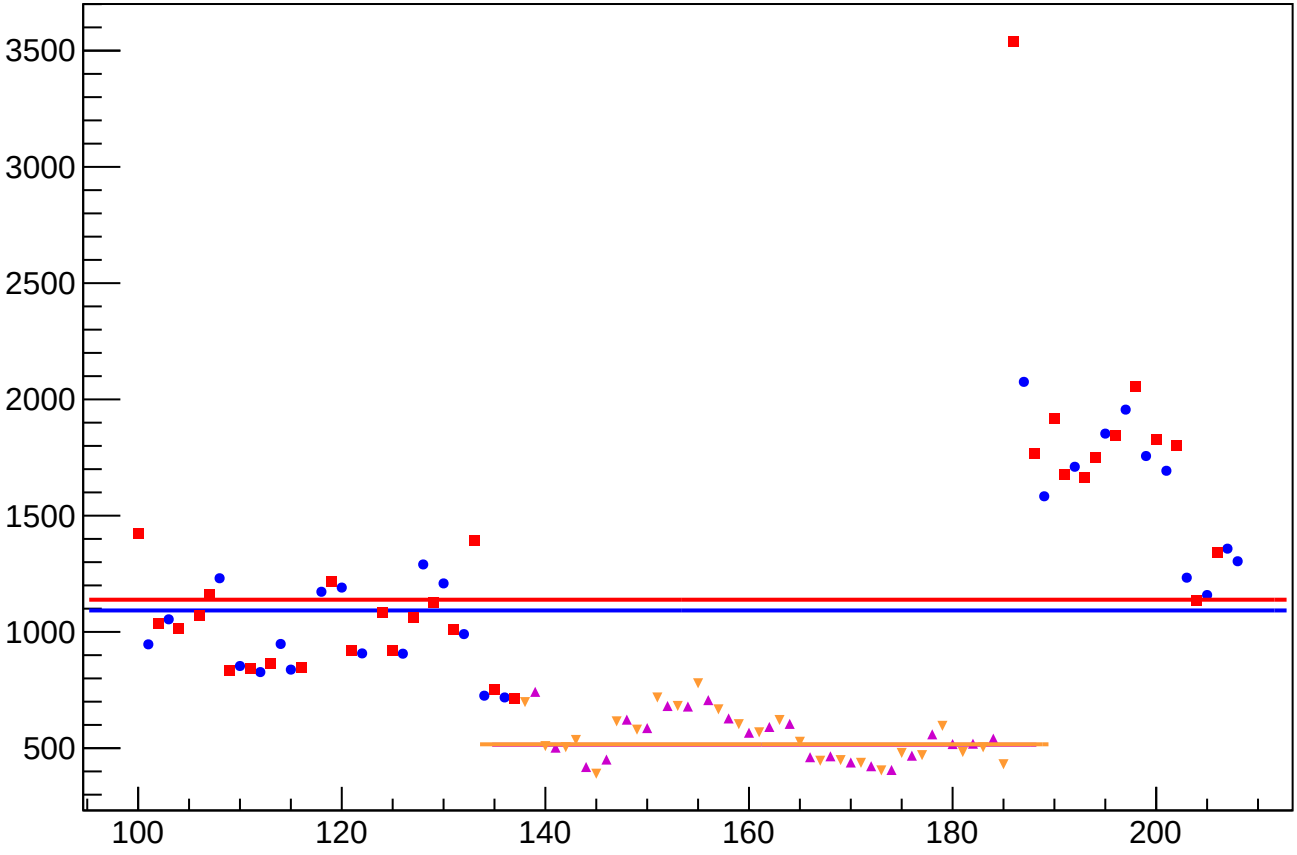
Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -593.036+/-110.583 χ^2/NDF: 100.2/51

All: -394.355+/-79.126 χ^2/NDF: 156.9/105

- sign -185.904+/-113.269 χ^2/NDF: 50.2/53

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 1092.298+/-0.204 χ^2/NDF: 2674491.7/26

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1138.530+/-0.210 χ^2/NDF: 3257987.8/30

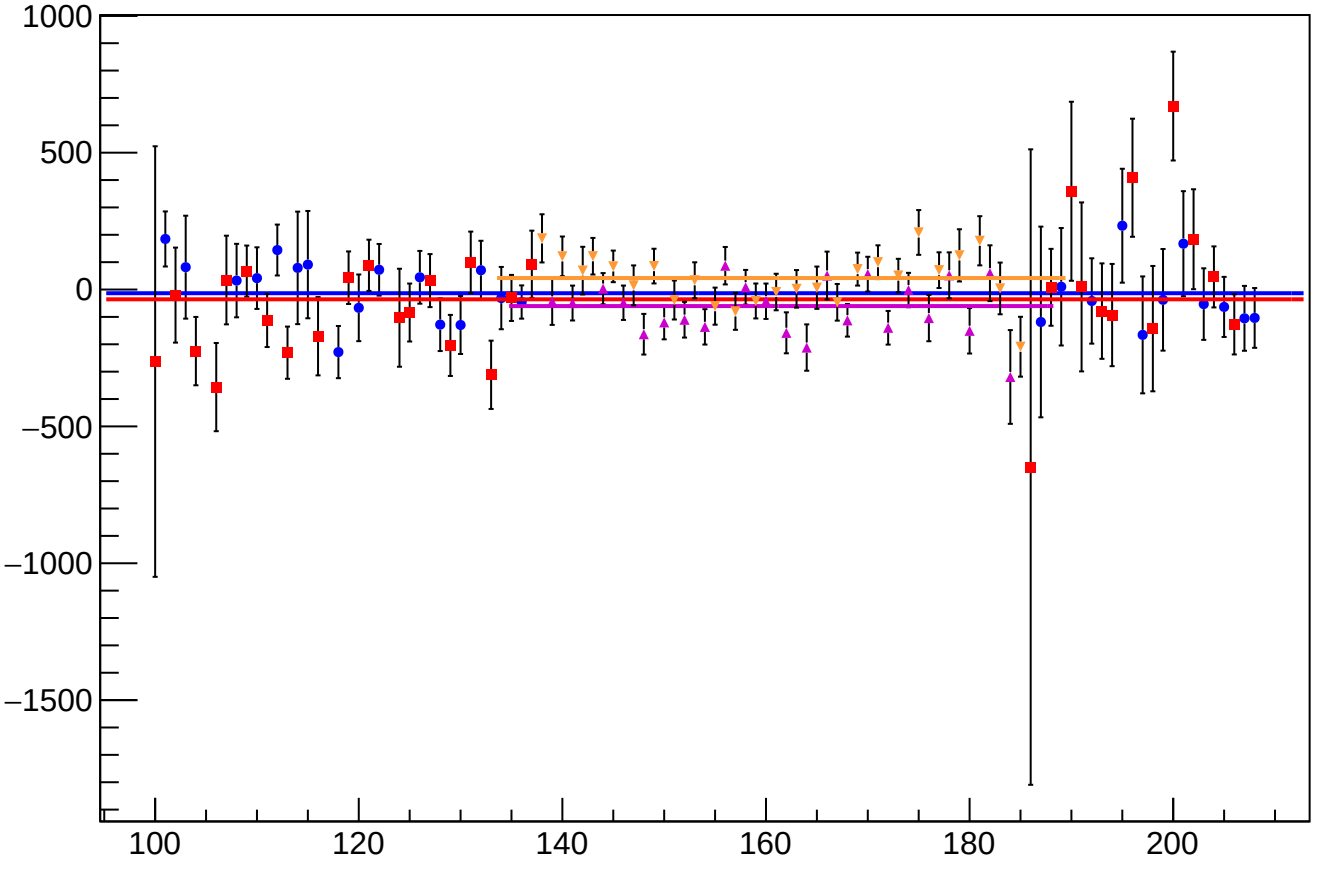
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 601.287+/-0.078 χ^2/NDF: 10737712.2/51

All: 603.187+/-0.056 χ^2/NDF: 22633262.8/10

- sign 605.179+/-0.080 χ^2/NDF: 11894341.4/53

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -13.440+/-22.797 χ^2/NDF: 22.4/26

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -35.667+/-23.387 χ^2/NDF: 48.2/30

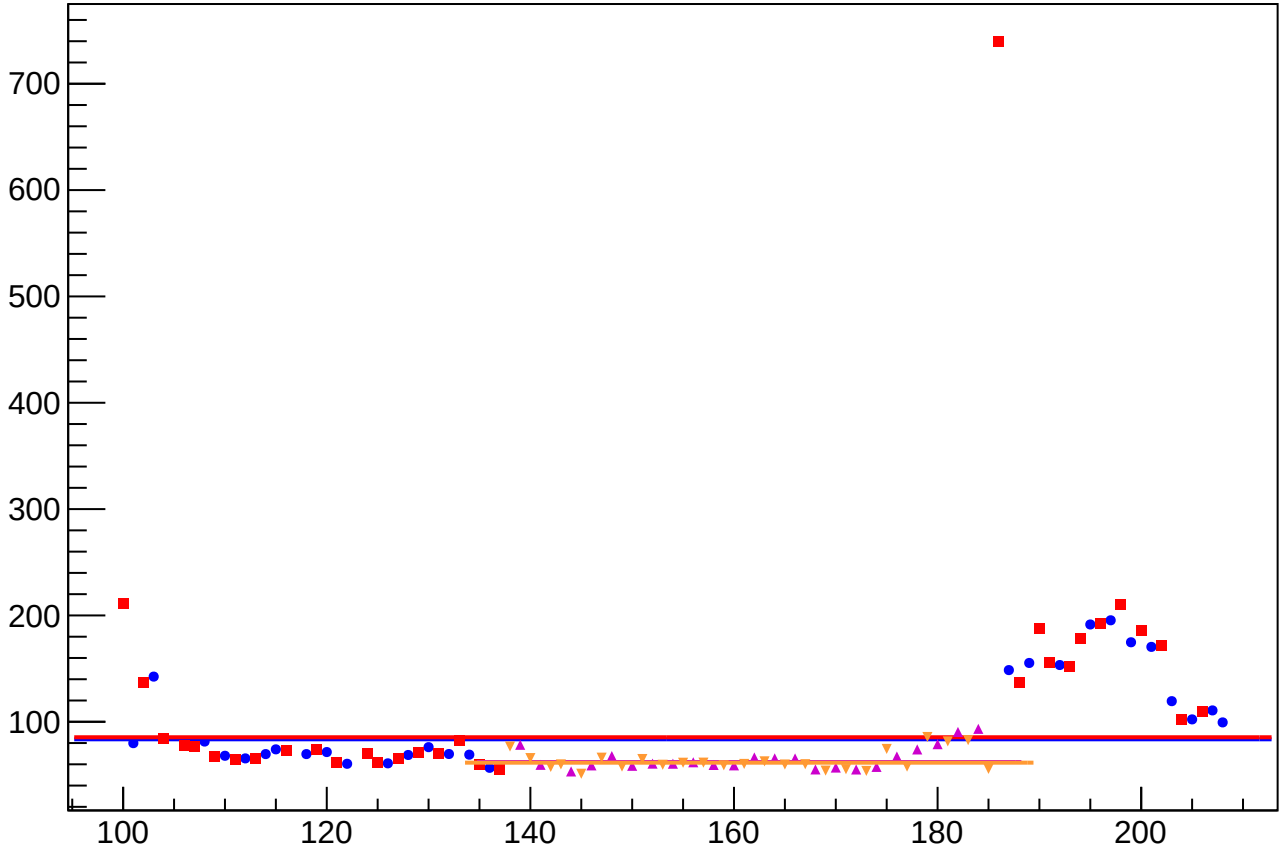
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 26.544+/-12.041 χ^2/NDF: 58.7/51

All: -12.067+/-8.657 χ^2/NDF: 161.2/105

- sign -53.369+/-12.454 χ^2/NDF: 81.2/53

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 83.510+/-0.016 χ^2/NDF: 4160900.7/26

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

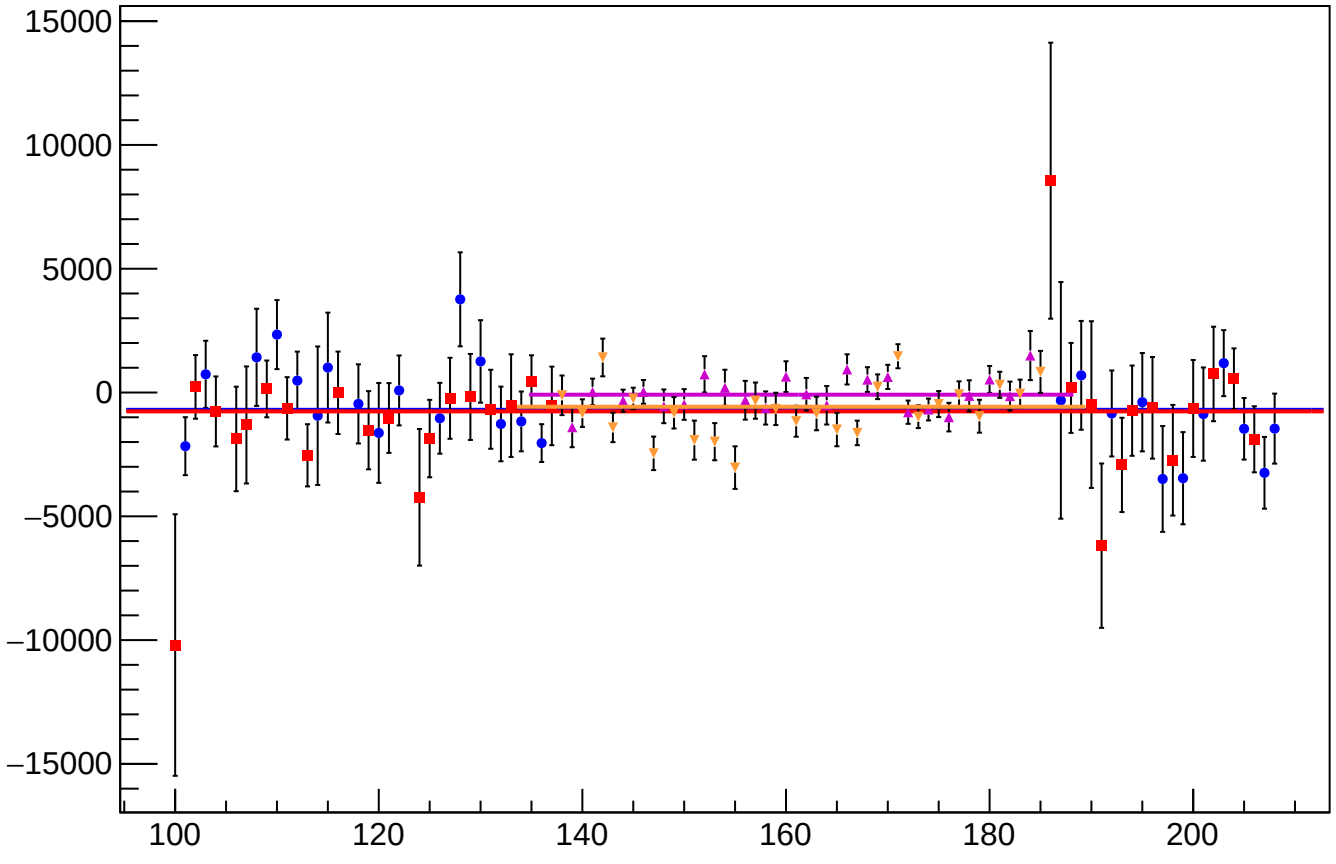
Right Out: 85.438+/-0.017 χ^2/NDF: 5403715.1/30

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 67.673+/-0.009 χ^2/NDF: 6137591.8/51

All: 68.193+/-0.006 χ^2/NDF: 13567149.0/105

- sign 68.750+/-0.009 χ^2/NDF: 7421826.9/53



Right In: -698.746+/-288.371 χ^2/NDF: 31.2/26

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

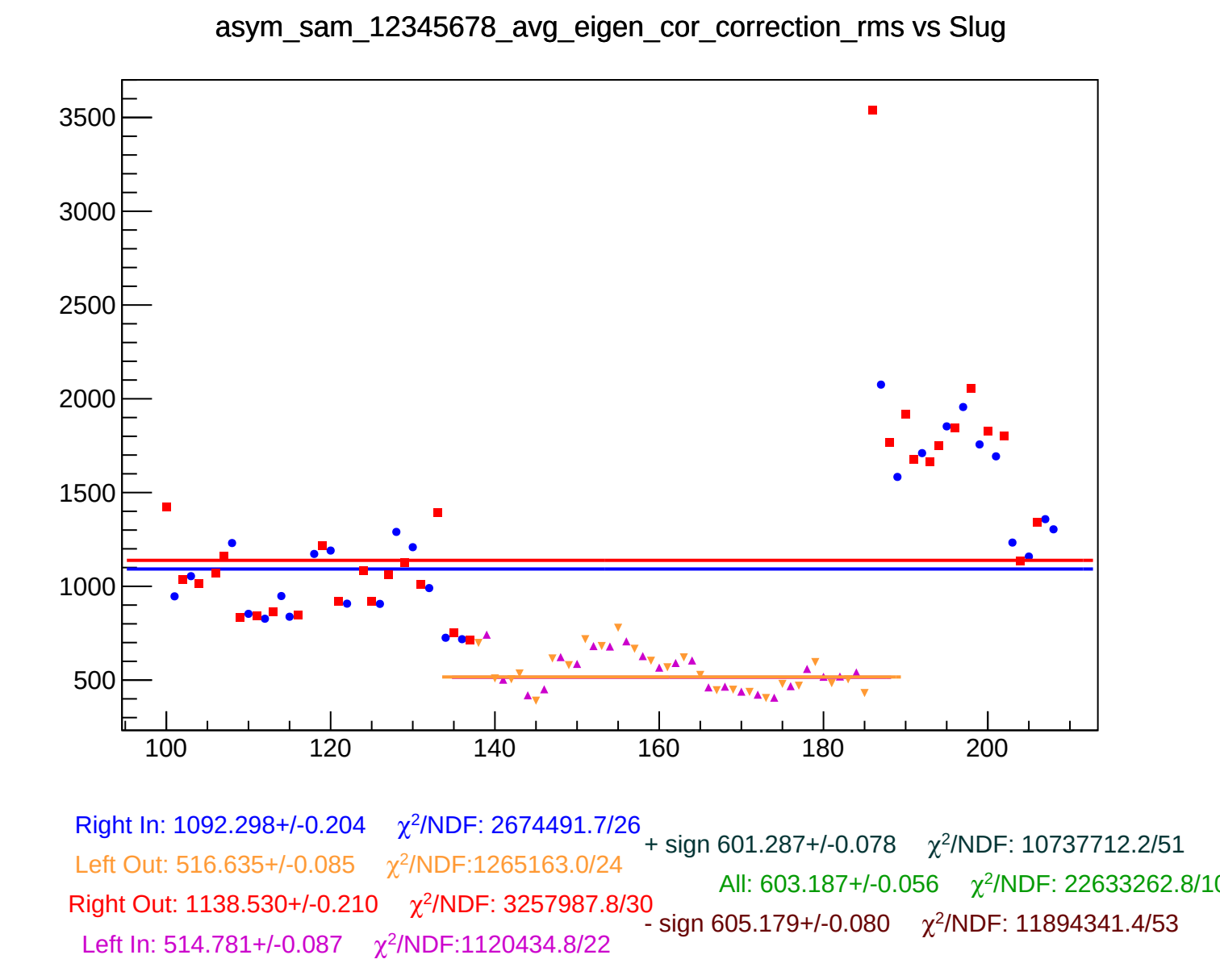
Right Out: -761.569+/-297.533 χ^2/NDF: 21.2/30

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

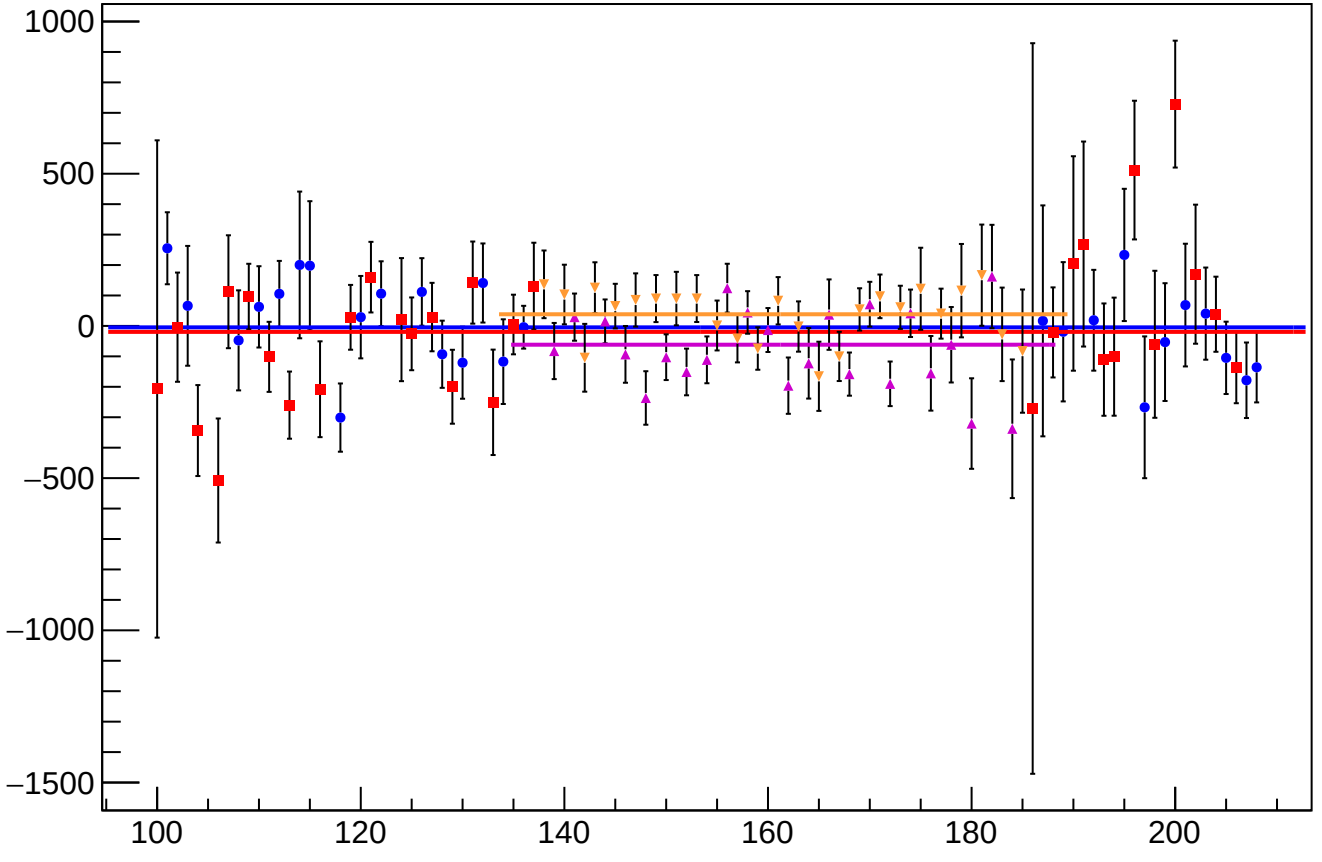
+ sign -593.036+/-110.583 χ^2/NDF: 100.2/51

All: -394.355+/-79.126 χ^2/NDF: 156.9/105

- sign -185.904+/-113.269 χ^2/NDF: 50.2/53


asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1092.298+/-0.204 χ²/NDF: 2674491.7/26
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1138.530+/-0.210 χ²/NDF: 3257987.8/30
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
+ sign 601.287+/-0.078 χ²/NDF: 10737712.2/51
All: 603.187+/-0.056 χ²/NDF: 22633262.8/10
- sign 605.179+/-0.080 χ²/NDF: 11894341.4/53

dit_asym_sam_12345678_avg_mean vs Slug



Right In: -4.704+/-25.872 χ^2/NDF: 27.5/26

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -19.570+/-26.759 χ^2/NDF: 50.2/30

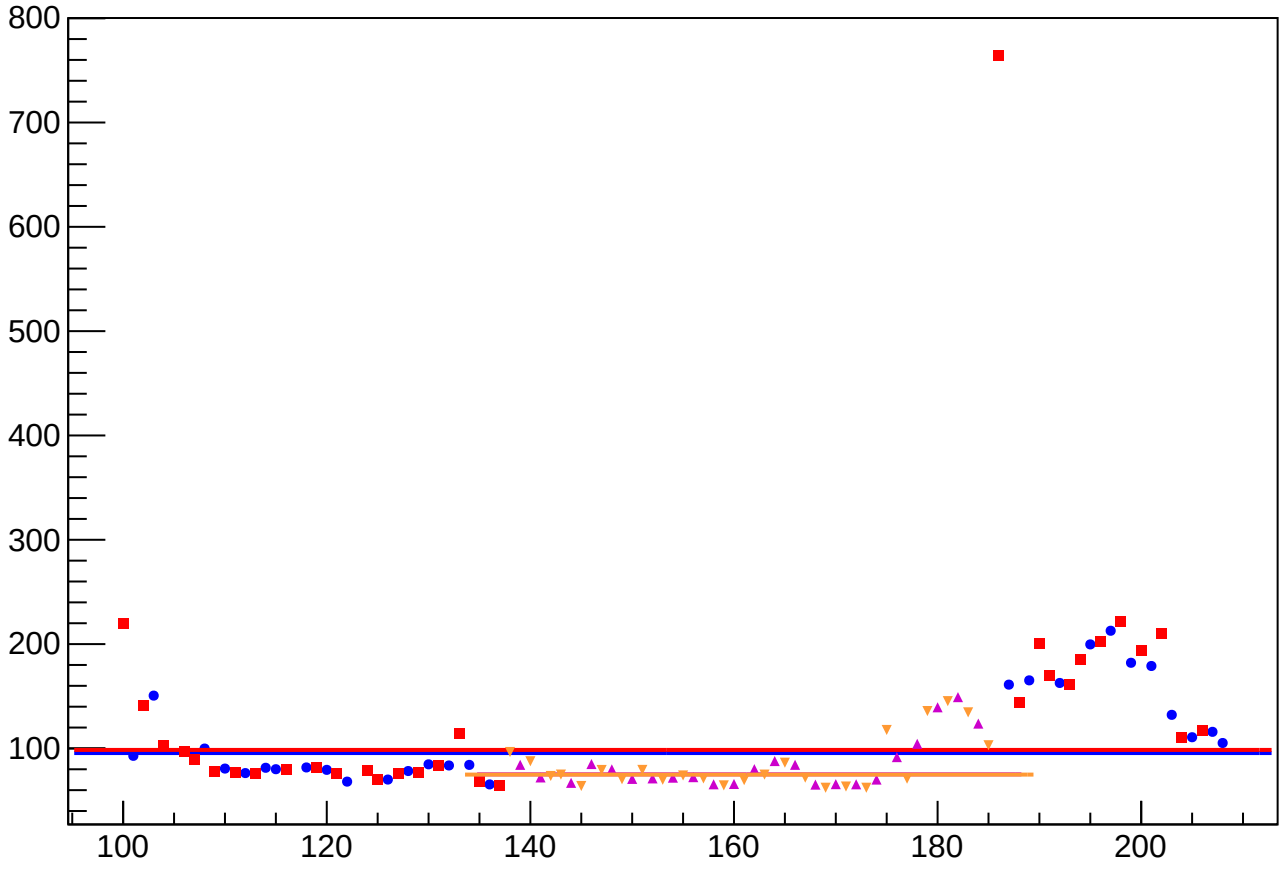
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 24.609+/-14.591 χ^2/NDF: 48.1/51

All: -10.779+/-10.474 χ^2/NDF: 148.9/105

- sign -48.399+/-15.044 χ^2/NDF: 88.6/53

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 95.557+/-0.018 χ^2/NDF: 3523506.0/26

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 98.554+/-0.019 χ^2/NDF: 4762550.3/30

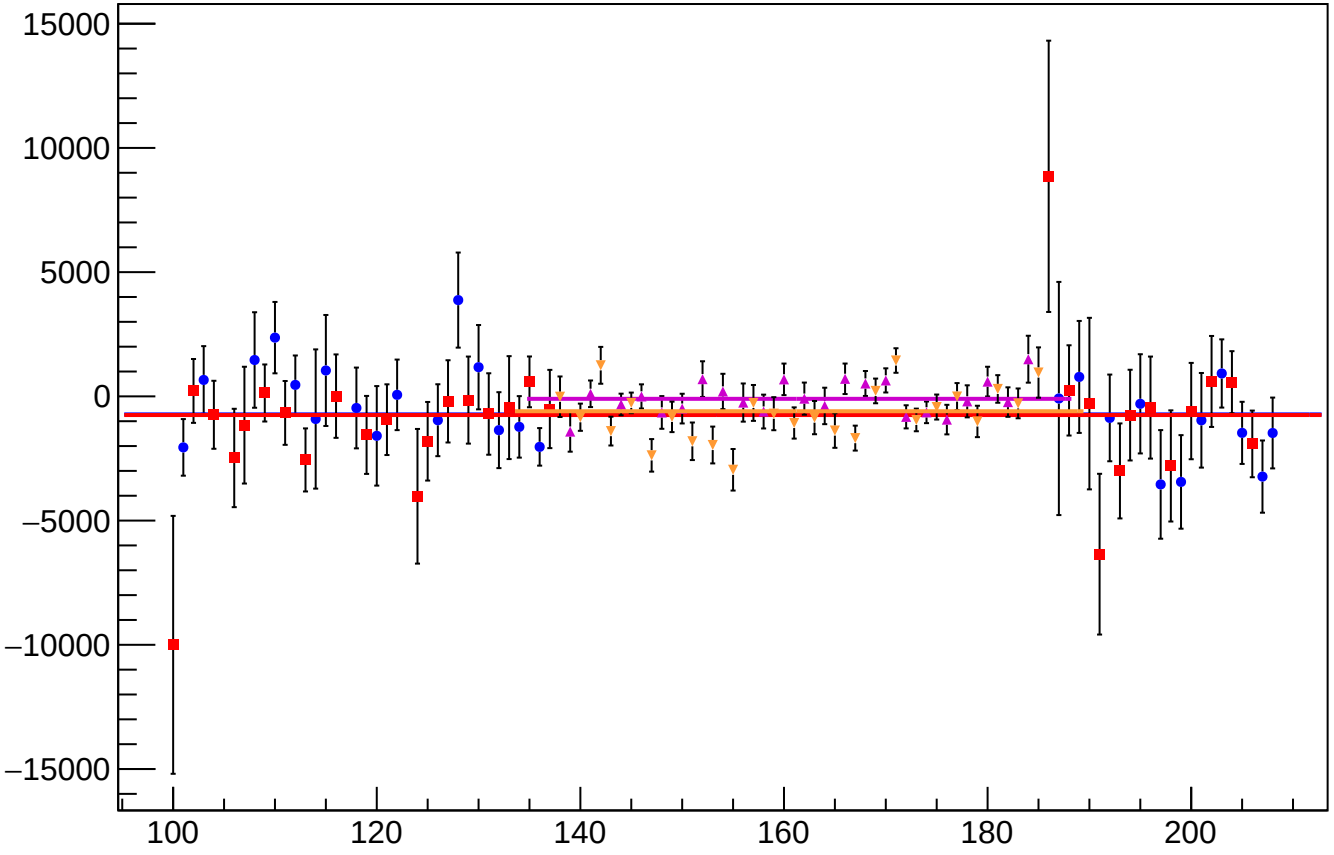
Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 81.472+/-0.010 χ^2/NDF: 6054228.4/51

All: 81.995+/-0.007 χ^2/NDF: 13180490.1/105

- sign 82.552+/-0.011 χ^2/NDF: 7120956.5/53

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -726.336+/-290.078 χ^2/NDF: 30.2/26

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: -751.522+/-297.076 χ^2/NDF: 22.6/30

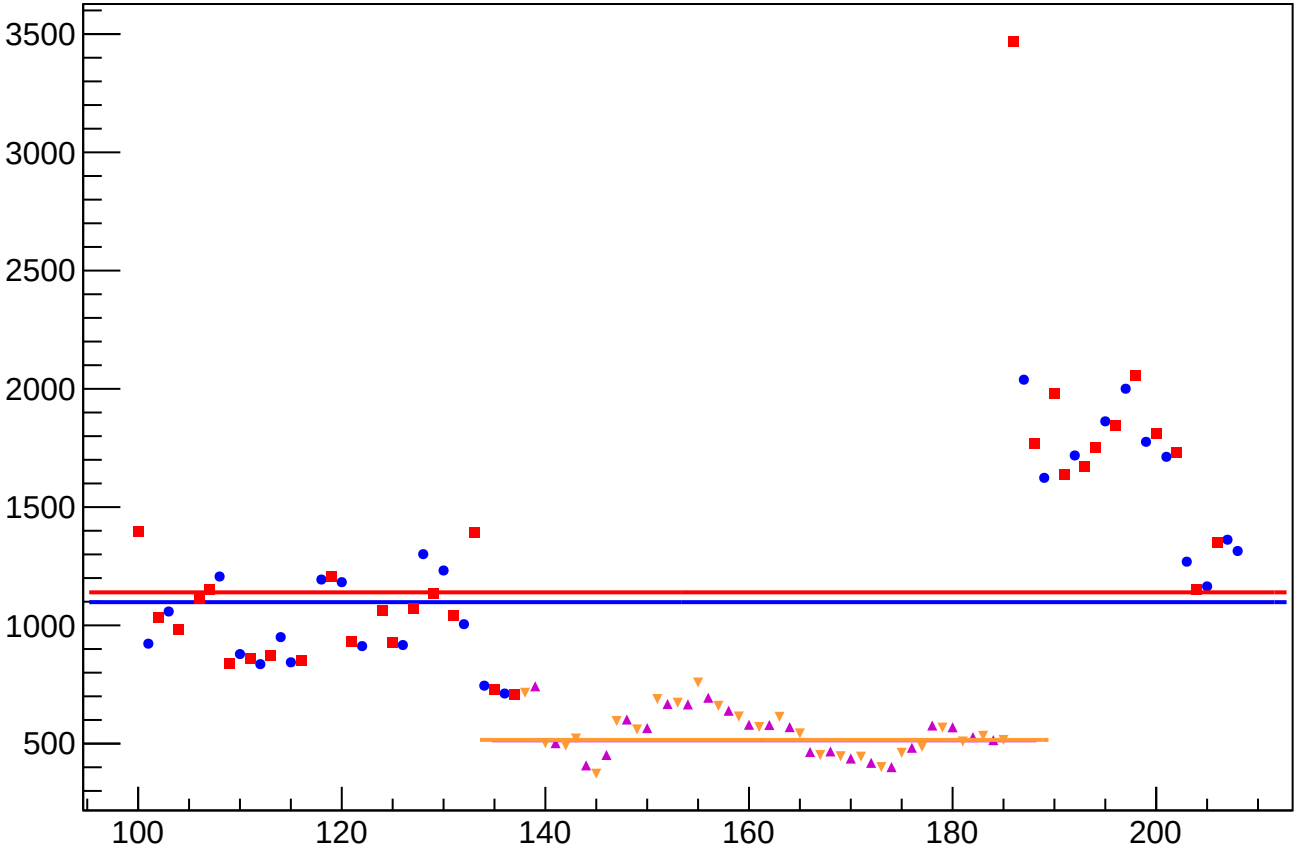
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -617.280+/-110.352 χ^2/NDF: 95.4/51

All: -410.680+/-78.984 χ^2/NDF: 153.0/105

- sign -193.664+/-113.100 χ^2/NDF: 50.4/53

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 1098.109+/-0.205 χ^2/NDF: 2727840.1/26

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1139.632+/-0.210 χ^2/NDF: 3243816.1/30

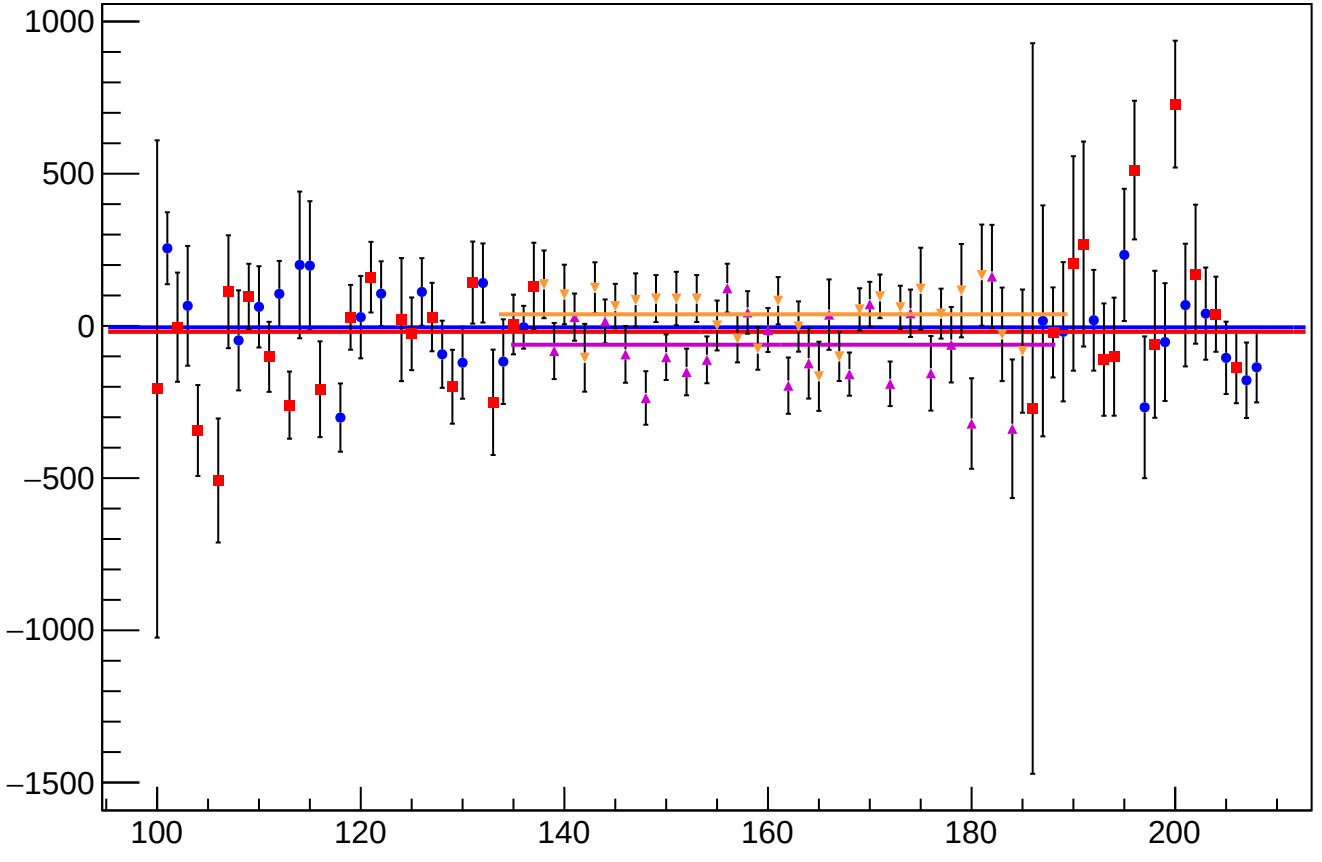
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 600.040+/-0.078 χ^2/NDF: 10854324.5/51

All: 602.339+/-0.056 χ^2/NDF: 22799251.5/10

- sign 604.755+/-0.080 χ^2/NDF: 11943146.3/53

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: -4.703+/-25.872 χ^2/NDF: 27.5/26

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -19.568+/-26.759 χ^2/NDF: 50.2/30

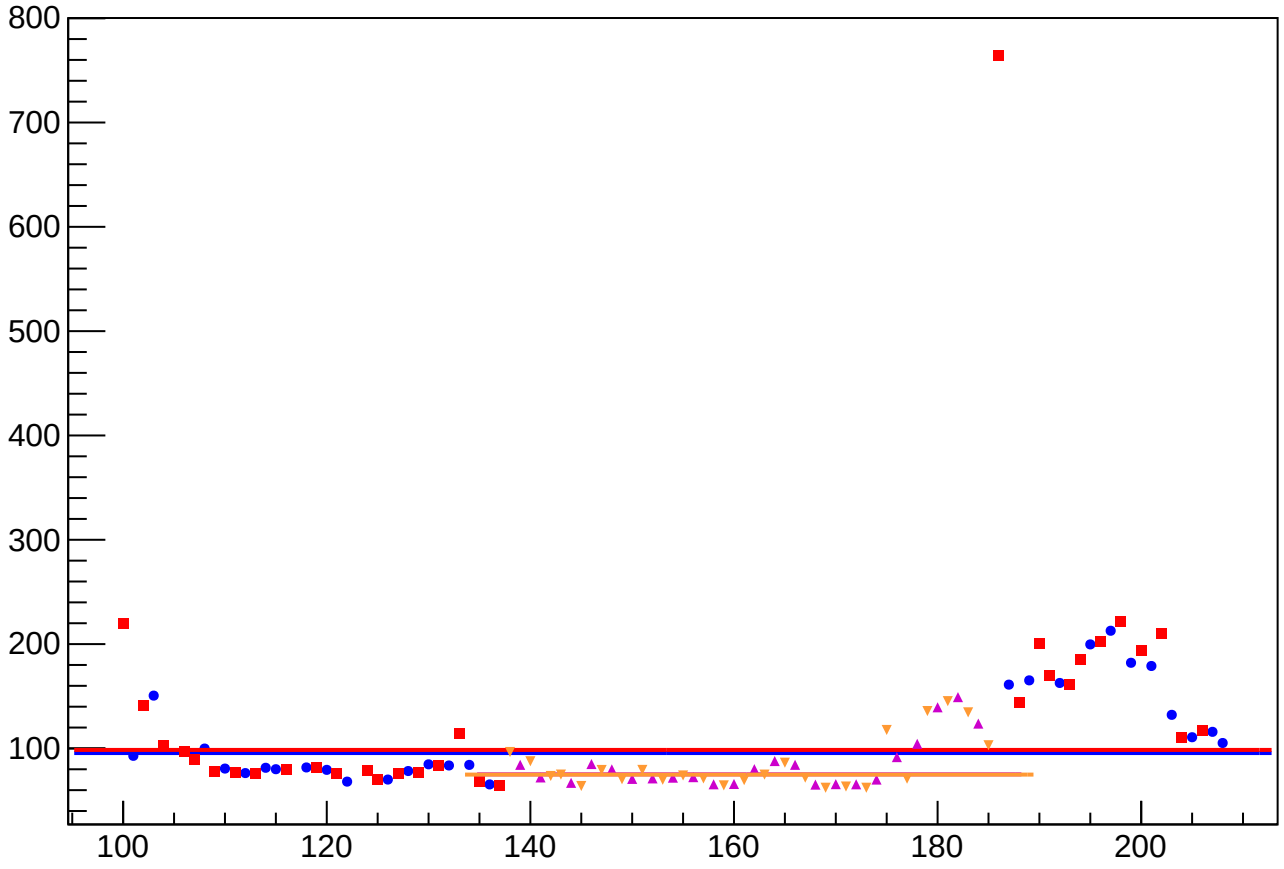
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 24.609+/-14.591 χ^2/NDF: 48.1/51

All: -10.779+/-10.474 χ^2/NDF: 148.9/105

- sign -48.399+/-15.044 χ^2/NDF: 88.6/53

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 95.556+/-0.018 χ^2/NDF: 3523518.0/26

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

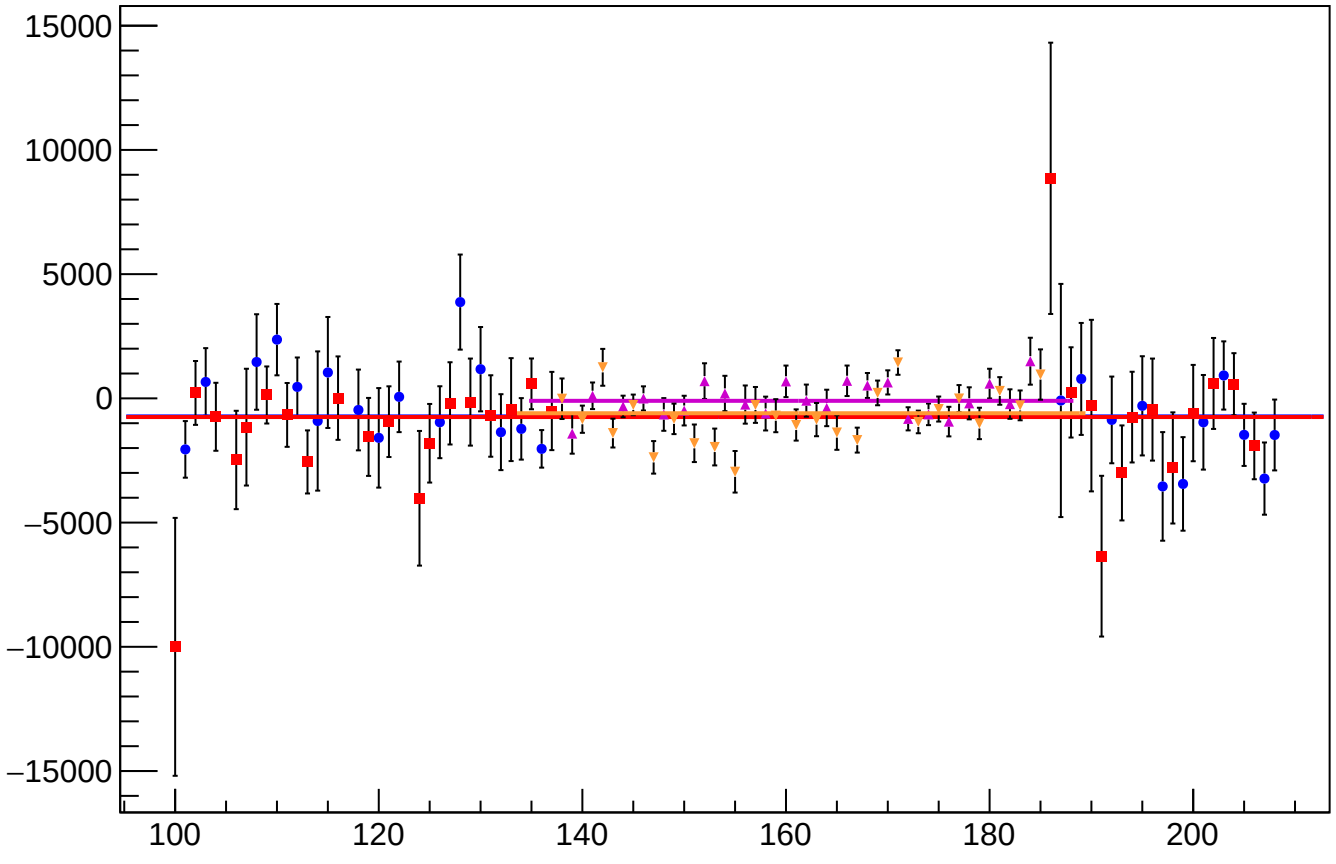
Right Out: 98.554+/-0.019 χ^2/NDF: 4762579.6/30

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 81.472+/-0.010 χ^2/NDF: 6054200.7/51

All: 81.995+/-0.007 χ^2/NDF: 13180436.7/105

- sign 82.552+/-0.011 χ^2/NDF: 7120930.6/53



Right In: -726.333+/-290.078 χ^2/NDF: 30.2/26

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

Right Out: -751.521+/-297.075 χ^2/NDF: 22.6/30

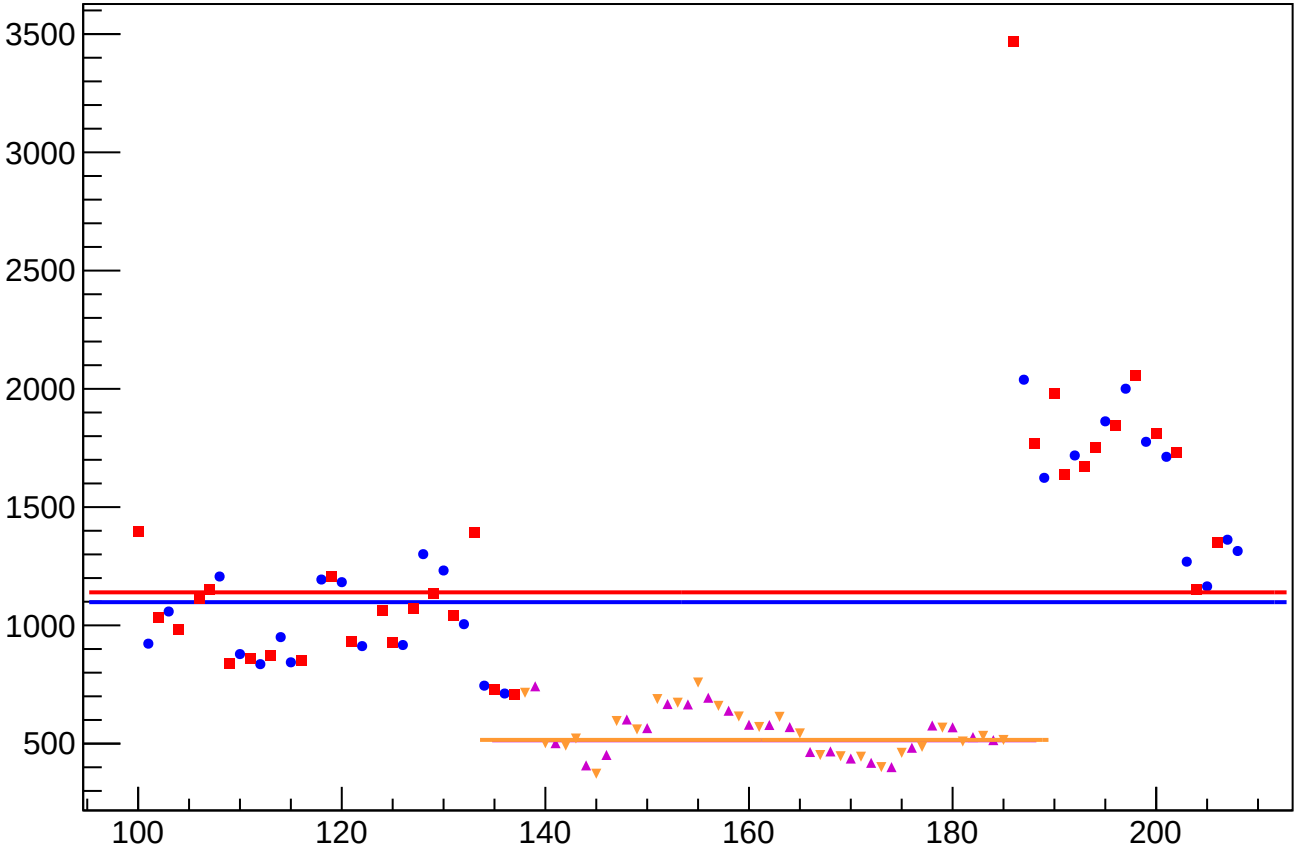
Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -617.278+/-110.352 χ^2/NDF: 95.4/51

All: -410.679+/-78.984 χ^2/NDF: 153.0/105

- sign -193.664+/-113.100 χ^2/NDF: 50.4/53

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug



Right In: 1098.107+/-0.205 χ^2/NDF: 2727848.7/26

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1139.630+/-0.210 χ^2/NDF: 3243826.1/30

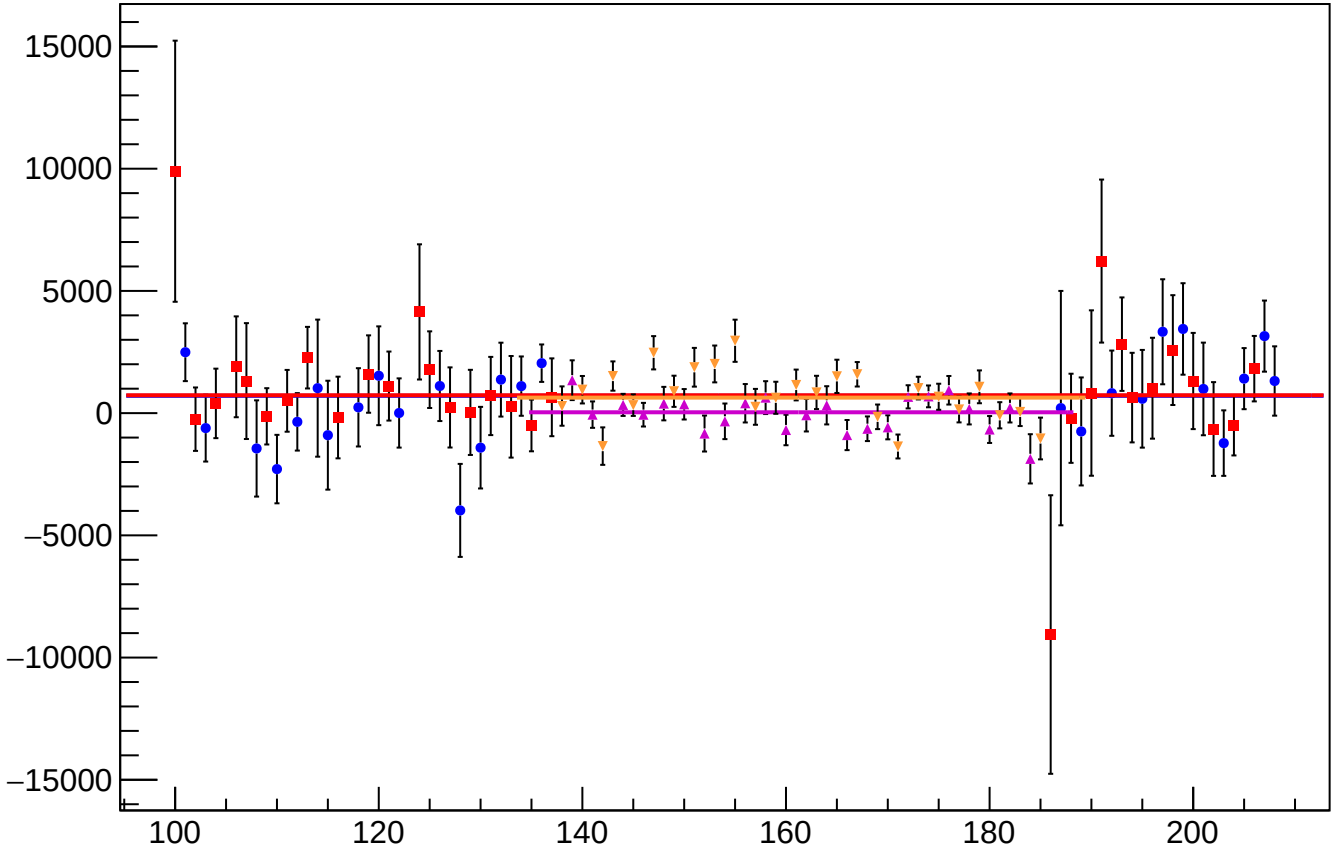
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 600.038+/-0.078 χ^2/NDF: 10854333.5/51

All: 602.338+/-0.056 χ^2/NDF: 22799260.9/10

- sign 604.753+/-0.080 χ^2/NDF: 11943146.7/53

asym_sam_12345678_avg_mean vs Slug



Right In: 709.669+/-289.627 χ^2/NDF: 31.4/26

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 730.766+/-298.556 χ^2/NDF: 20.4/30

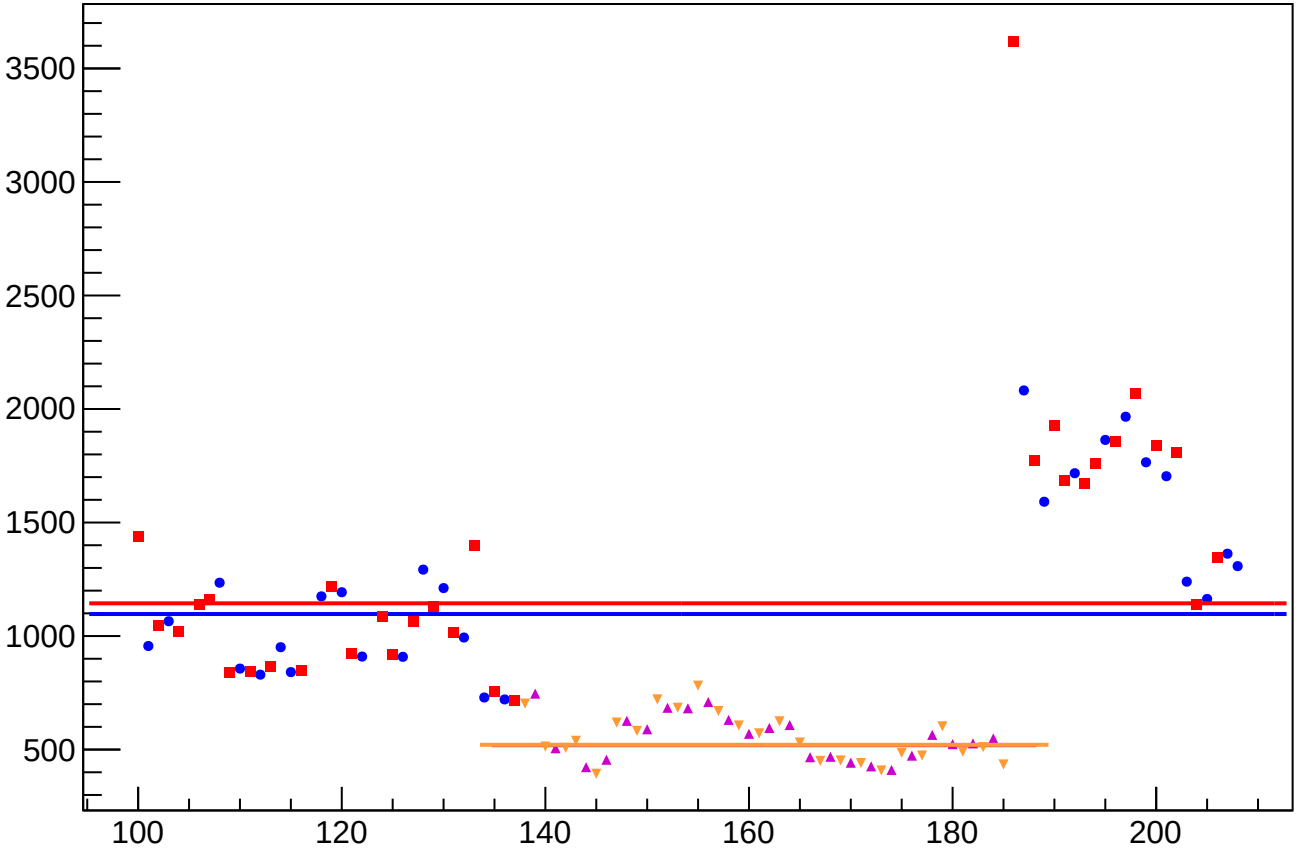
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 645.867+/-111.426 χ^2/NDF: 96.0/51

All: 397.311+/-79.731 χ^2/NDF: 156.4/105

- sign 136.520+/-114.135 χ^2/NDF: 50.2/53

asym_sam_12345678_avg_rms vs Slug



Right In: 1097.002+/-0.205 χ^2/NDF: 2677368.9/26

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

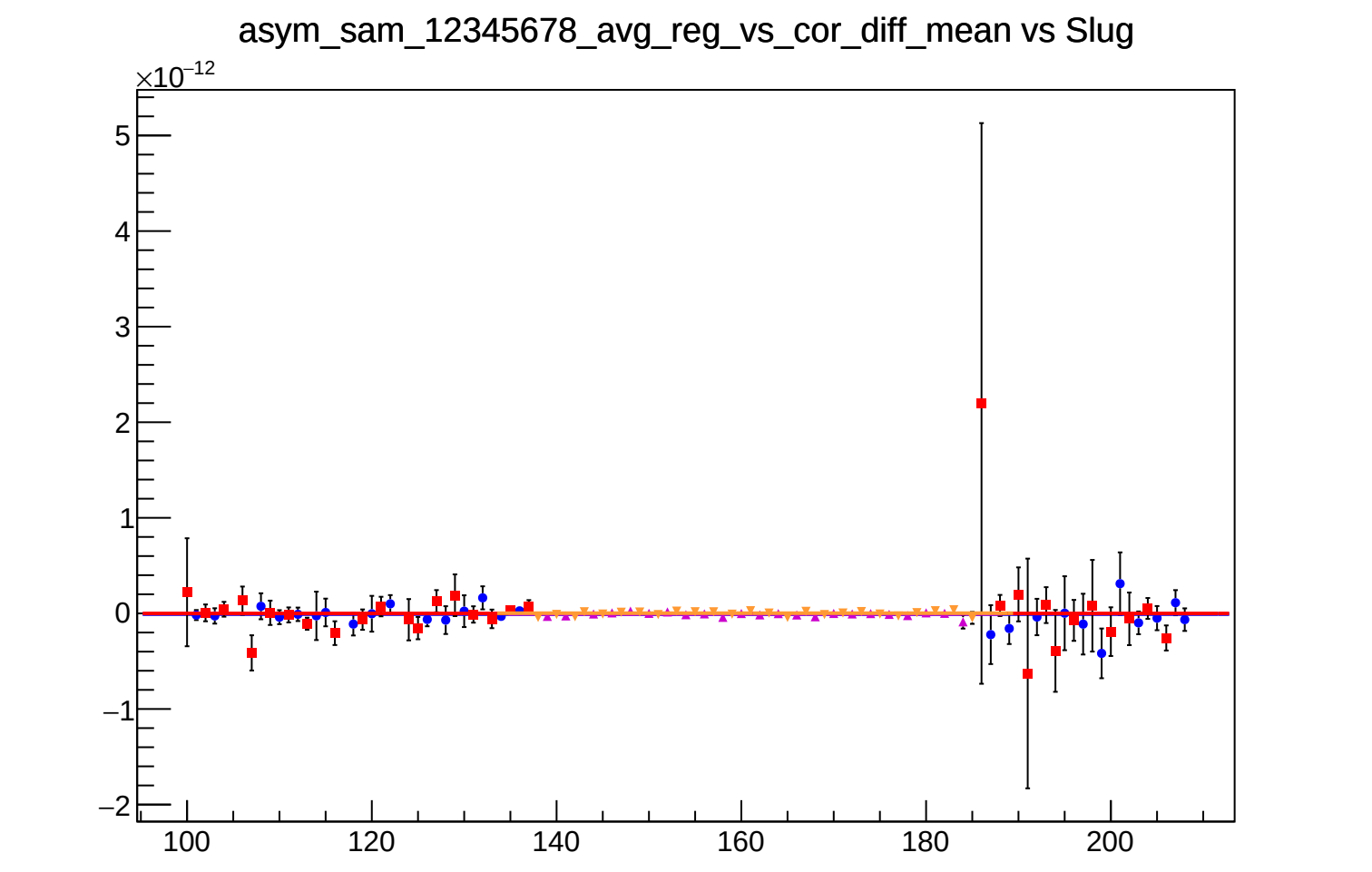
Right Out: 1144.119+/-0.211 χ^2/NDF: 3270994.6/30

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 606.276+/-0.079 χ^2/NDF: 10659382.7/51

All: 608.368+/-0.056 χ^2/NDF: 22513300.8/10

- sign 610.563+/-0.081 χ^2/NDF: 11852472.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

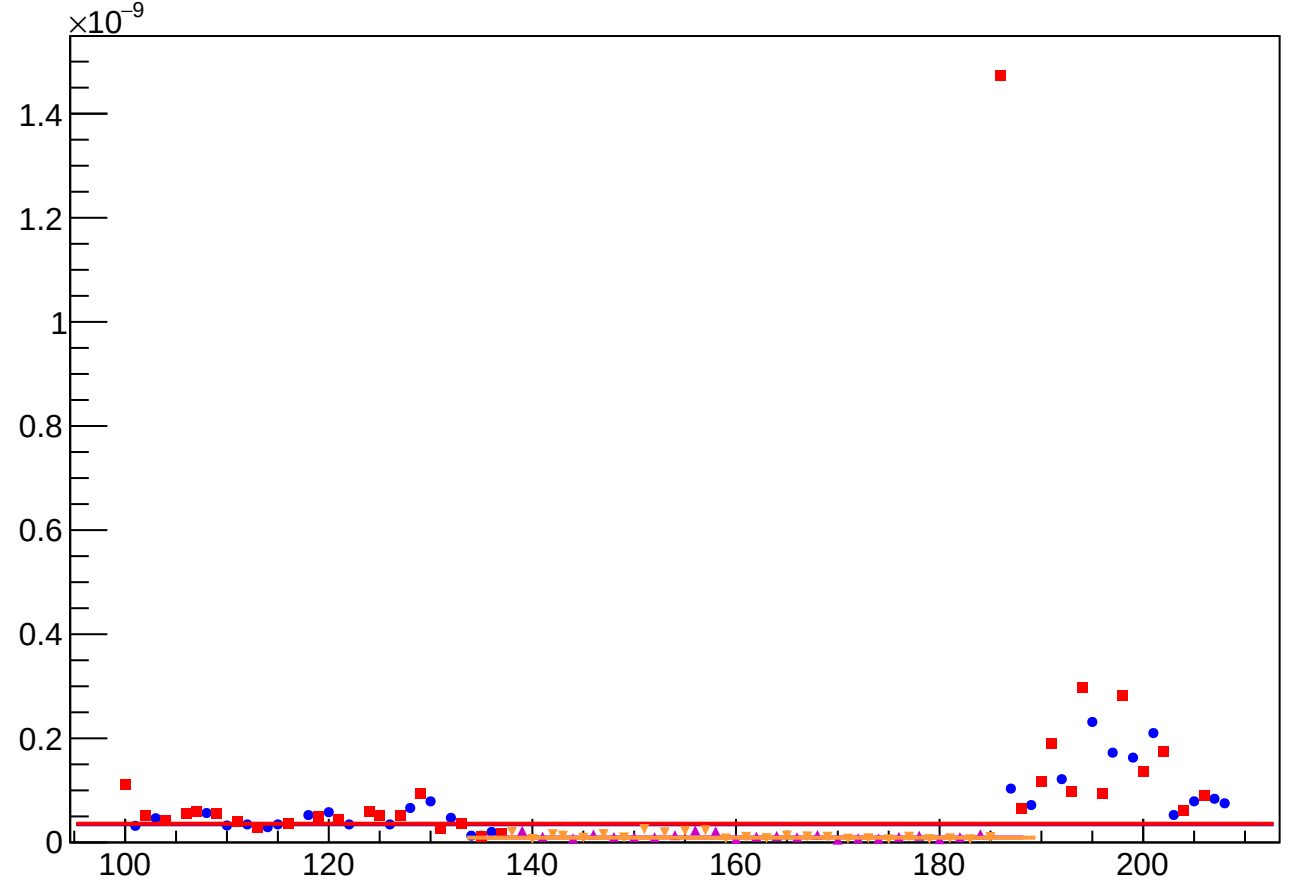
Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/30

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.6/51

All: -0.000+/-0.000 χ^2/NDF: 76.1/105

- sign -0.000+/-0.000 χ^2/NDF: 38.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 4780185.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

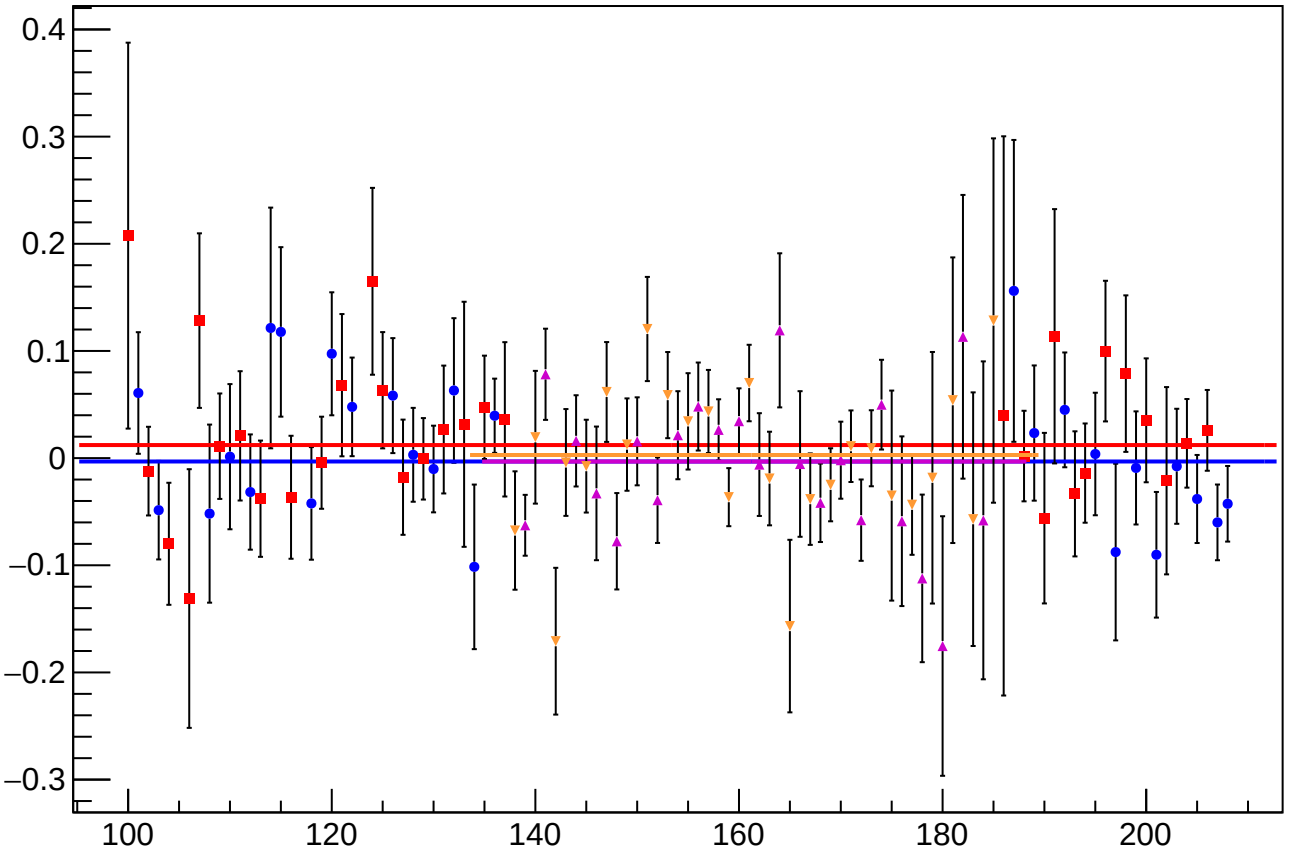
Right Out: 0.000+/-0.000 χ^2/NDF: 5623791.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11392717.0/51

All: 0.000+/-0.000 χ^2/NDF: 22654813.3/105

- sign 0.000+/-0.000 χ^2/NDF: 11254159.2/53



Right In: -0.003+/-0.010 χ^2/NDF: 26.9/26

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.012+/-0.010 χ^2/NDF: 20.7/30

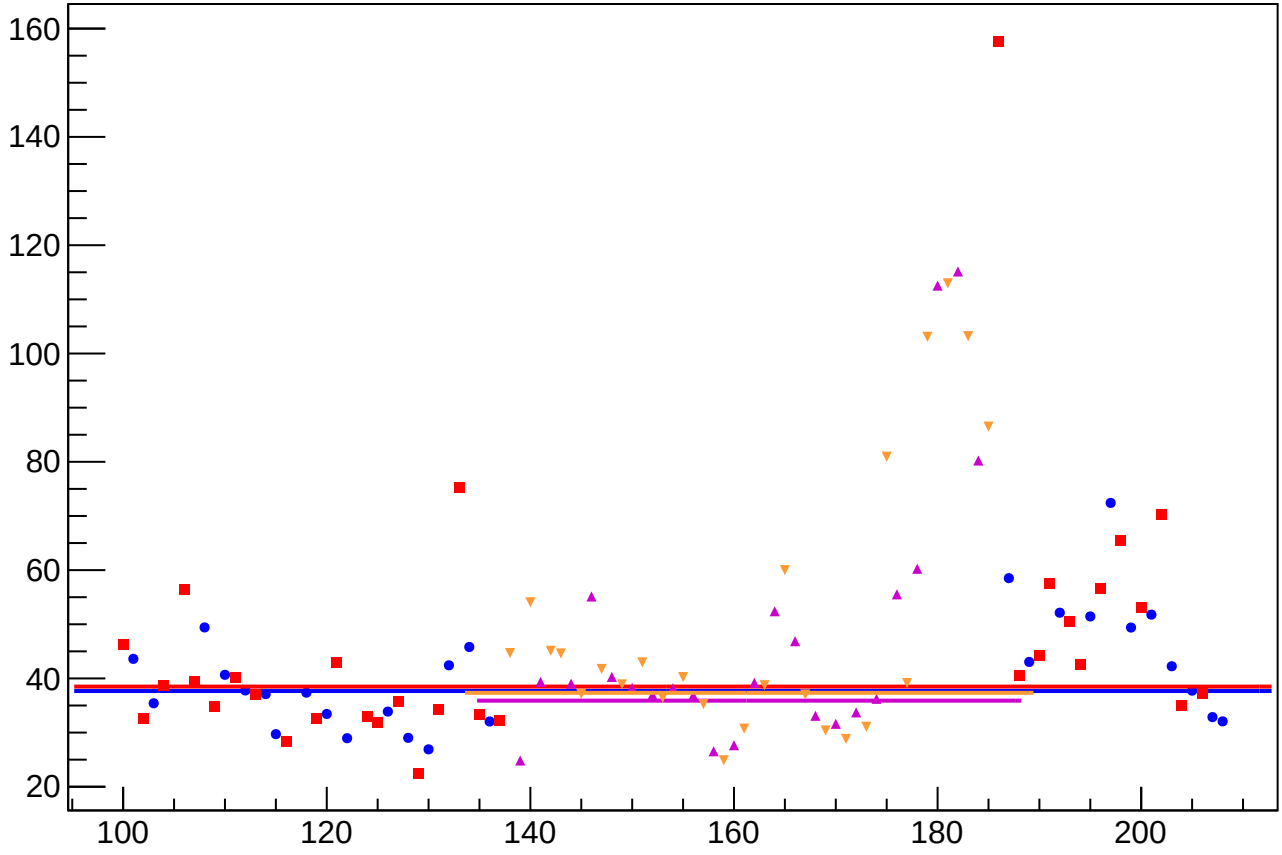
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.000+/-0.007 χ^2/NDF: 60.0/51

All: 0.002+/-0.005 χ^2/NDF: 111.8/105

- sign 0.004+/-0.007 χ^2/NDF: 51.7/53

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.674+/-0.007 χ^2/NDF: 1480668.8/26

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

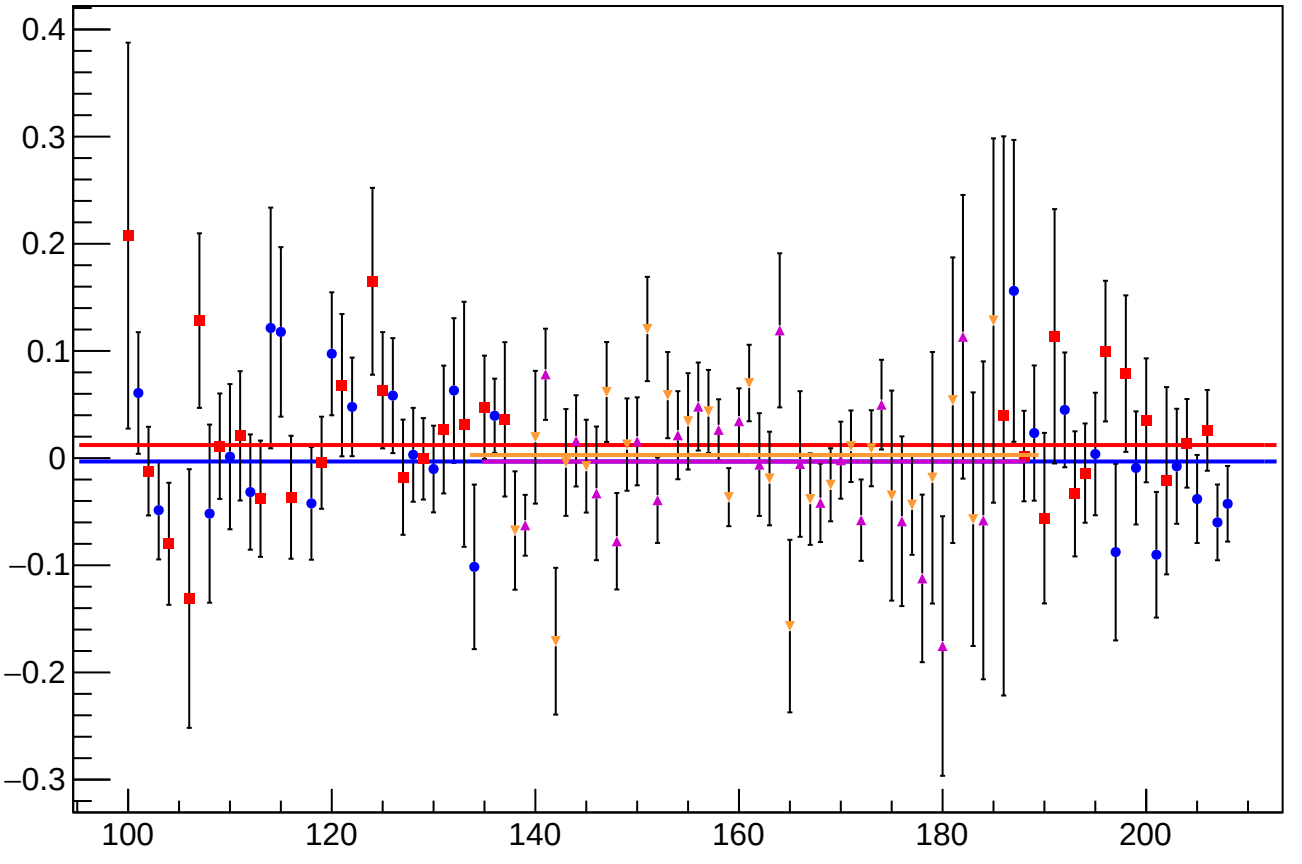
Right Out: 38.492+/-0.007 χ^2/NDF: 2285889.5/30

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.495+/-0.005 χ^2/NDF: 5178479.1/51

All: 37.270+/-0.003 χ^2/NDF: 10678049.4/105

- sign 37.043+/-0.005 χ^2/NDF: 5495189.9/53



Right In: -0.003+/-0.010 χ^2/NDF: 26.9/26

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.012+/-0.010 χ^2/NDF: 20.7/30

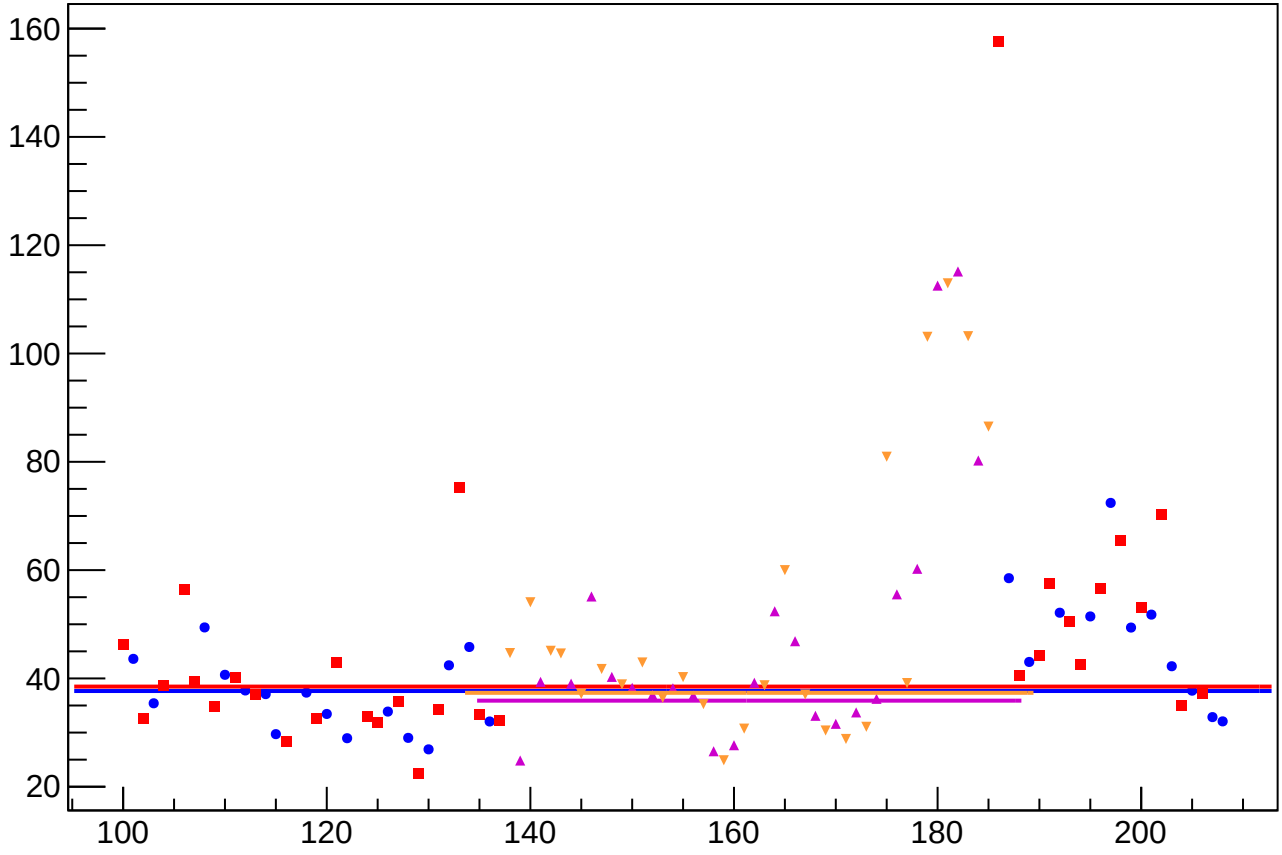
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.000+/-0.007 χ^2/NDF: 60.0/51

All: 0.002+/-0.005 χ^2/NDF: 111.8/105

- sign 0.004+/-0.007 χ^2/NDF: 51.7/53

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.674+/-0.007 χ^2/NDF: 1480668.8/26

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

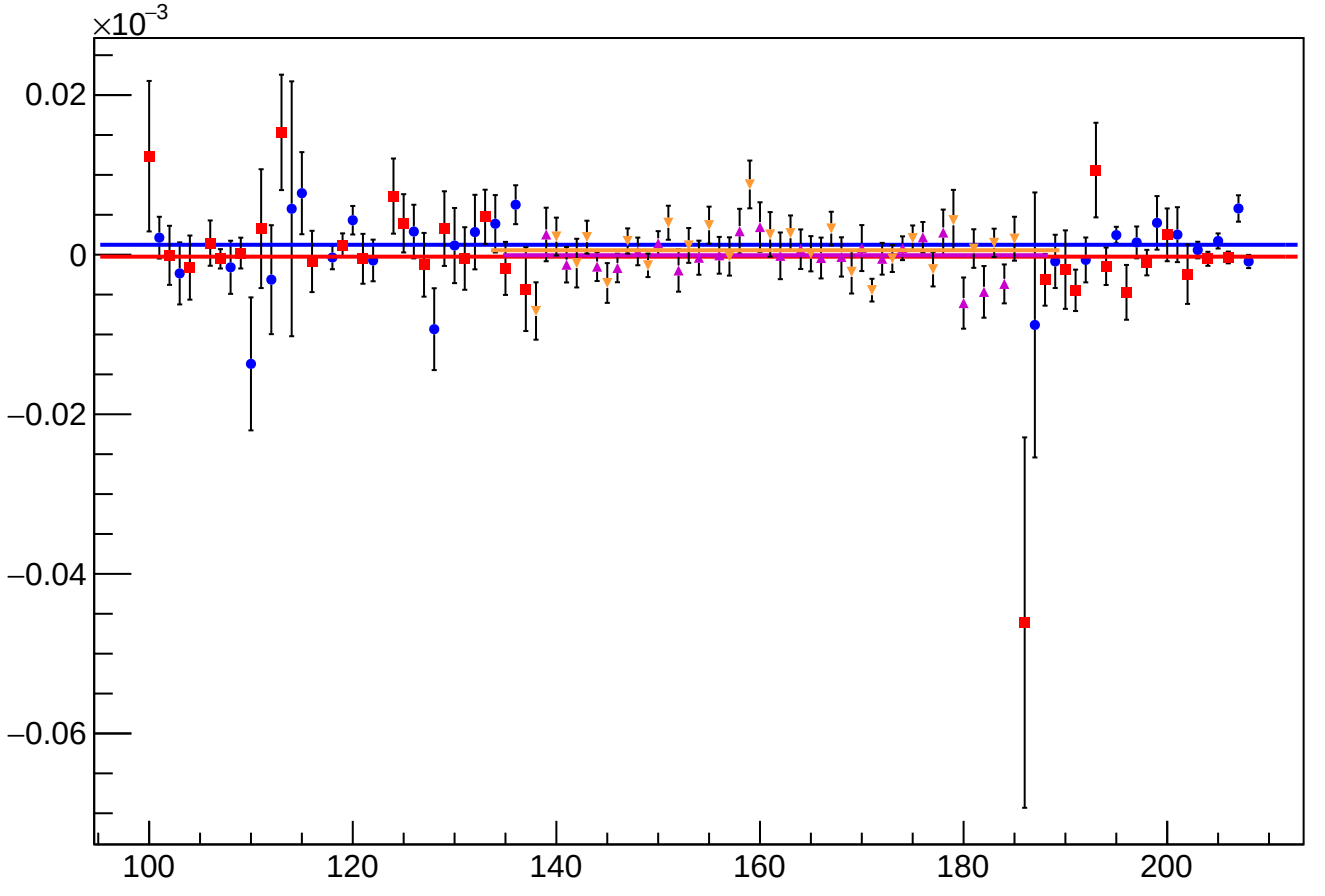
Right Out: 38.492+/-0.007 χ^2/NDF: 2285889.5/30

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.495+/-0.005 χ^2/NDF: 5178479.1/51

All: 37.270+/-0.003 χ^2/NDF: 10678049.4/105

- sign 37.043+/-0.005 χ^2/NDF: 5495189.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 39.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/30

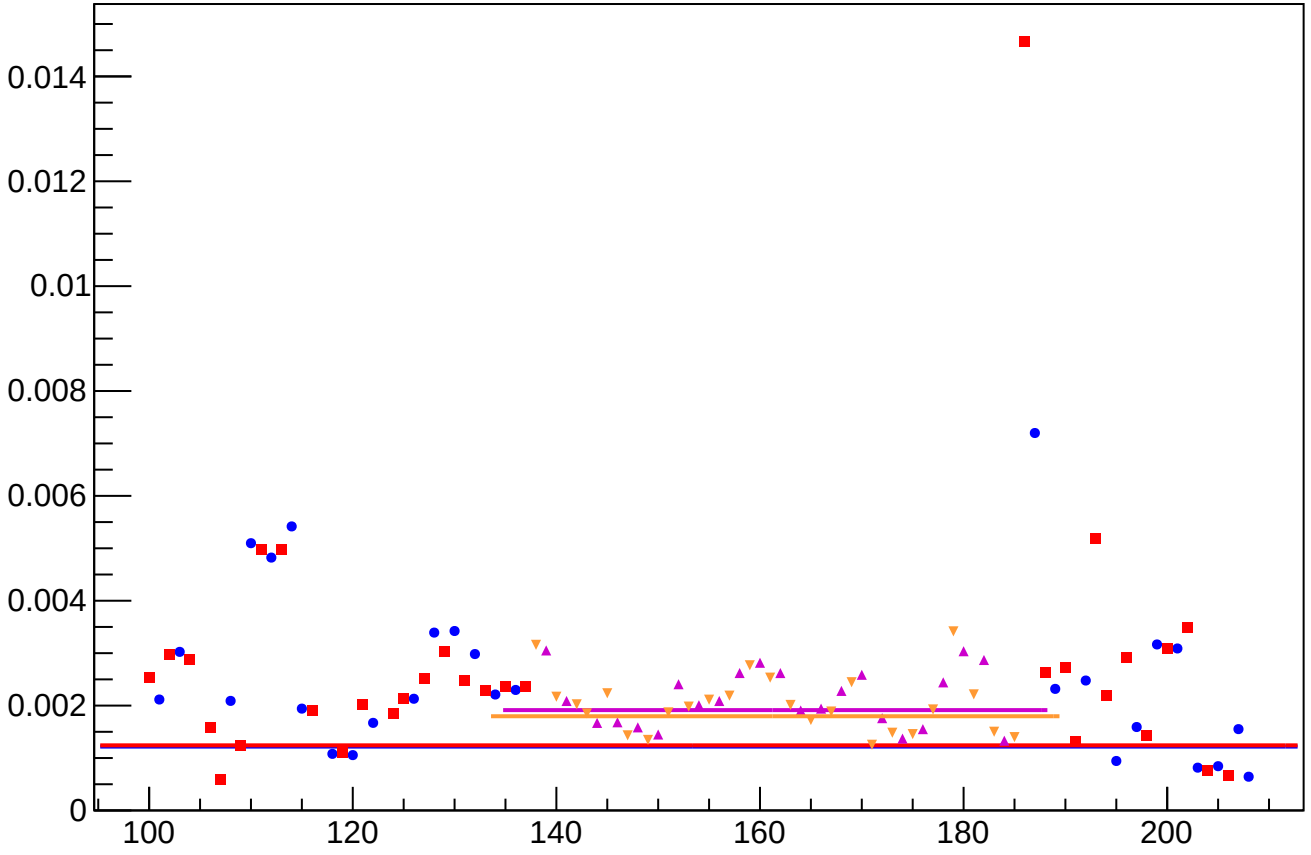
Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 84.1/51

All: 0.000+/-0.000 χ^2/NDF: 138.5/105

- sign -0.000+/-0.000 χ^2/NDF: 46.9/53

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7855521.0/26

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

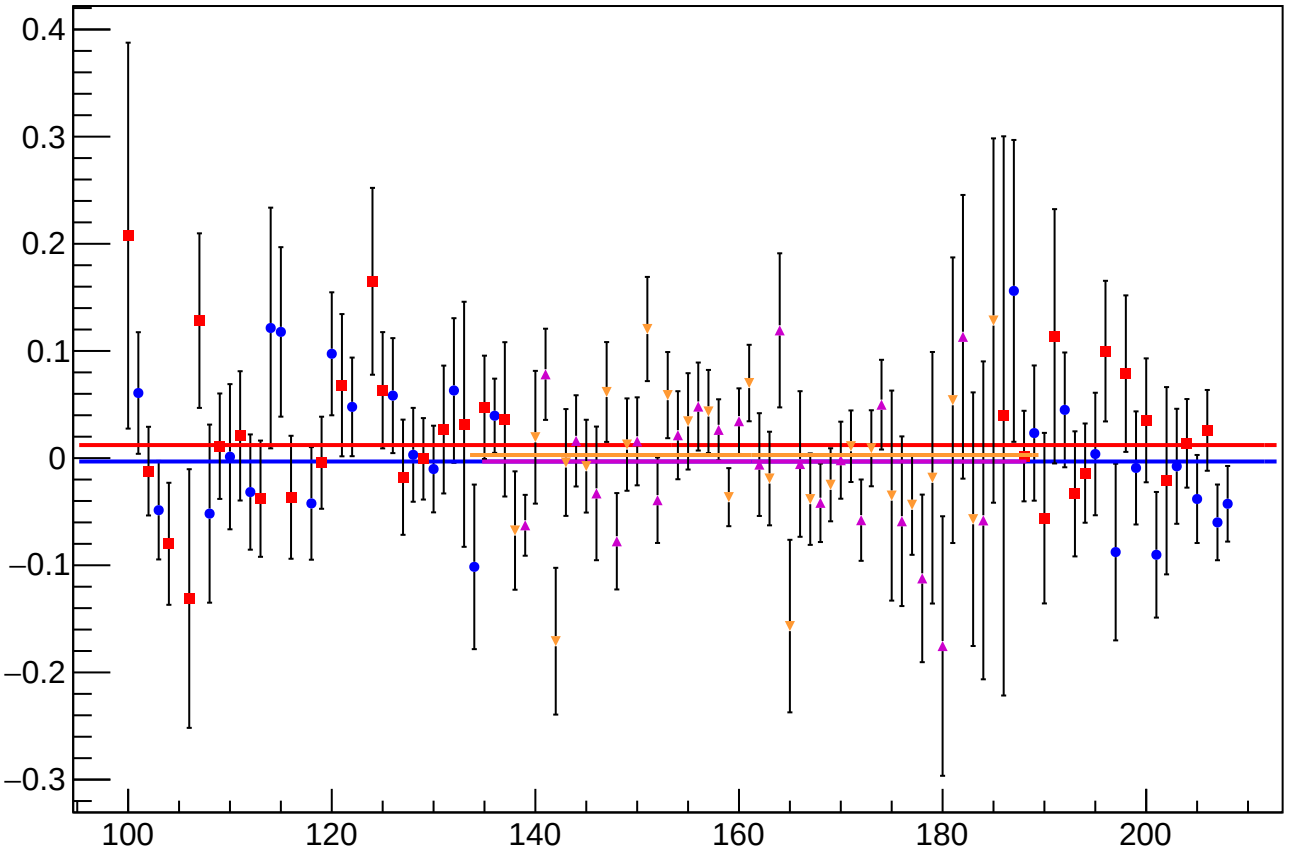
Right Out: 0.001+/-0.000 χ^2/NDF: 10109731.0/30

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 12236799.1/51

All: 0.001+/-0.000 χ^2/NDF: 27009593.1/105

- sign 0.002+/-0.000 χ^2/NDF: 14746681.1/53



Right In: -0.003+/-0.010 χ^2/NDF: 26.9/26

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

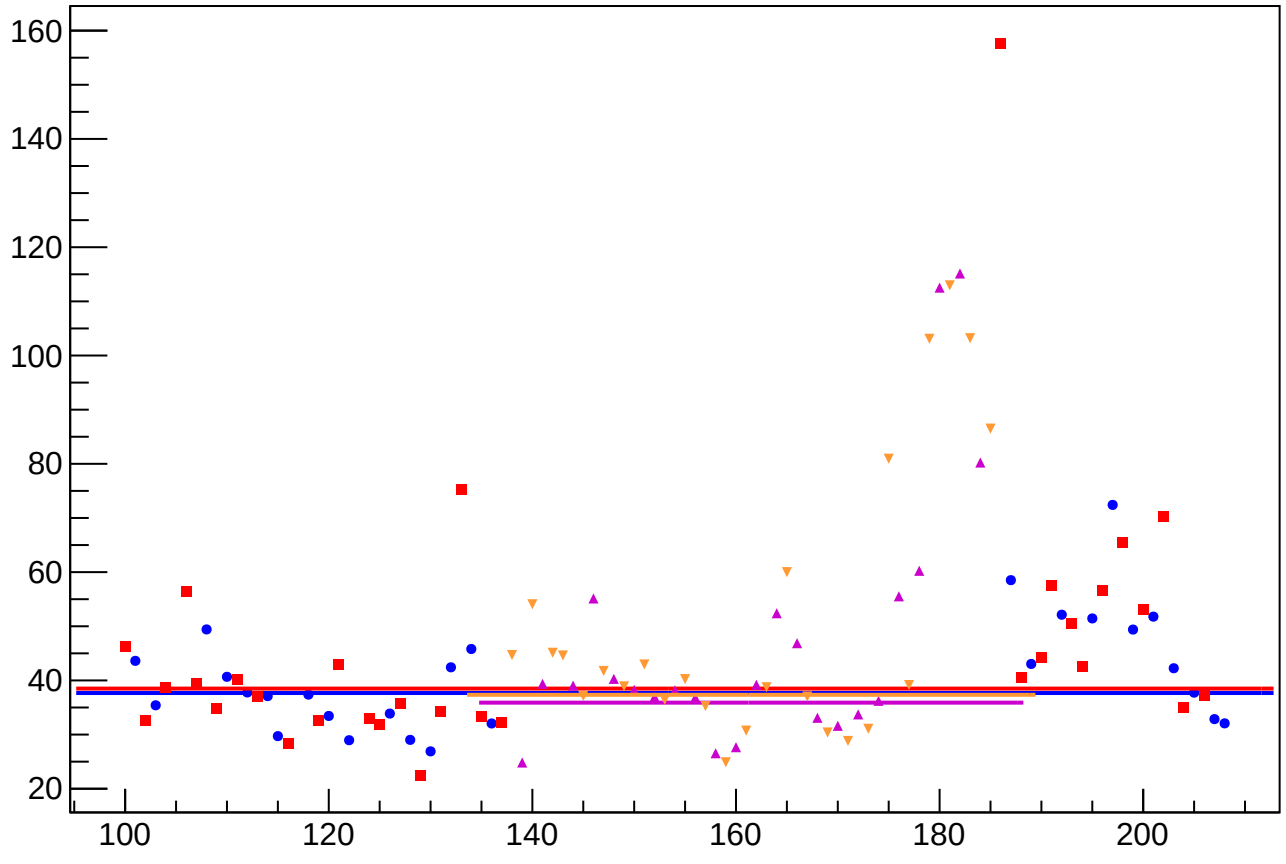
Right Out: 0.012+/-0.010 χ^2/NDF: 20.7/30

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.000+/-0.007 χ^2/NDF: 60.0/51

All: 0.002+/-0.005 χ^2/NDF: 111.8/105

- sign 0.004+/-0.007 χ^2/NDF: 51.7/53



Right In: 37.673+/-0.007 χ^2/NDF: 1480762.5/26

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

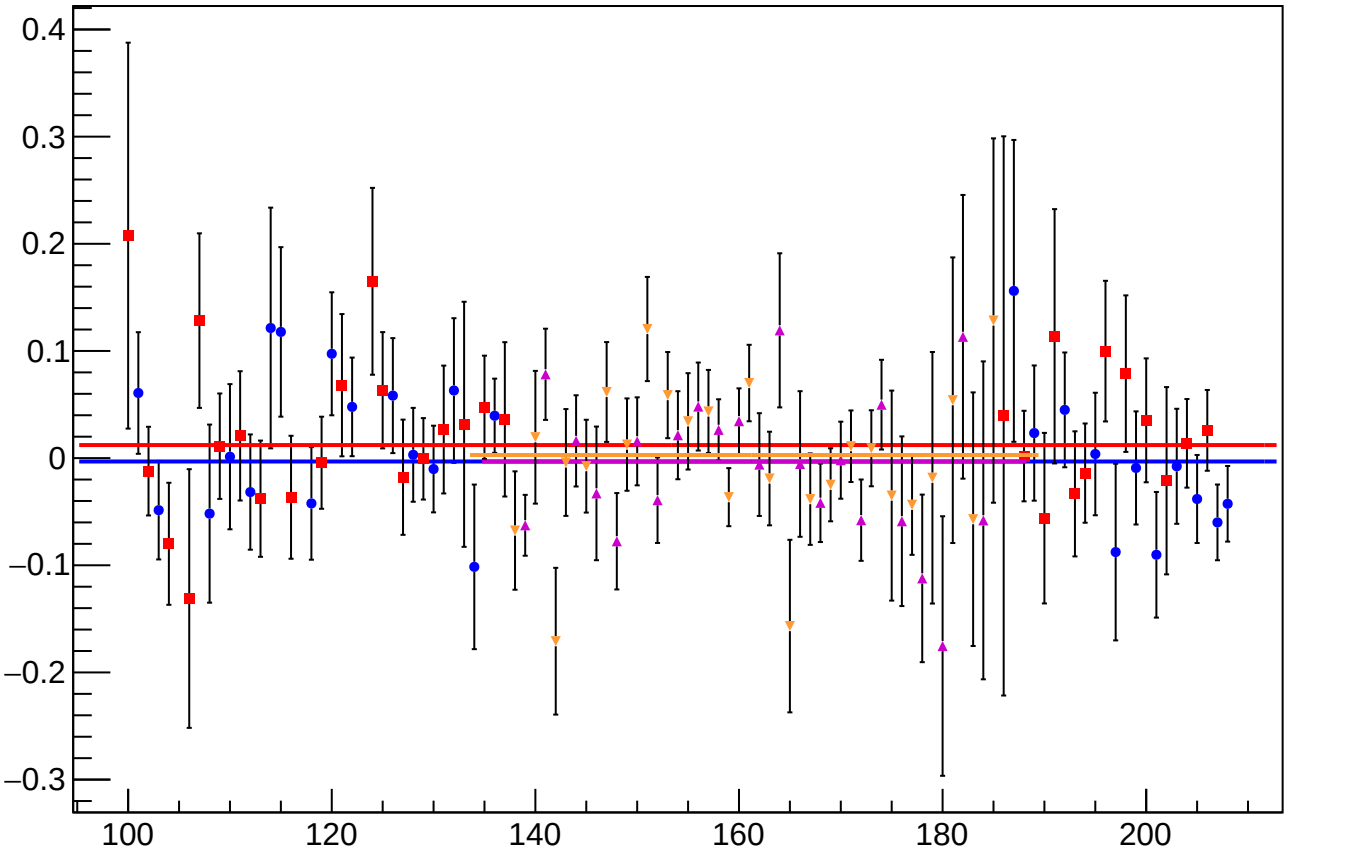
Right Out: 38.492+/-0.007 χ^2/NDF: 2286006.9/30

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

\+ sign 37.495+/-0.005 χ^2/NDF: 5178617.7/51

All: 37.270+/-0.003 χ^2/NDF: 10678281.3/105

\- sign 37.043+/-0.005 χ^2/NDF: 5495286.6/53



Right In: -0.003+/-0.010 χ^2/NDF: 26.9/26

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.012+/-0.010 χ^2/NDF: 20.7/30

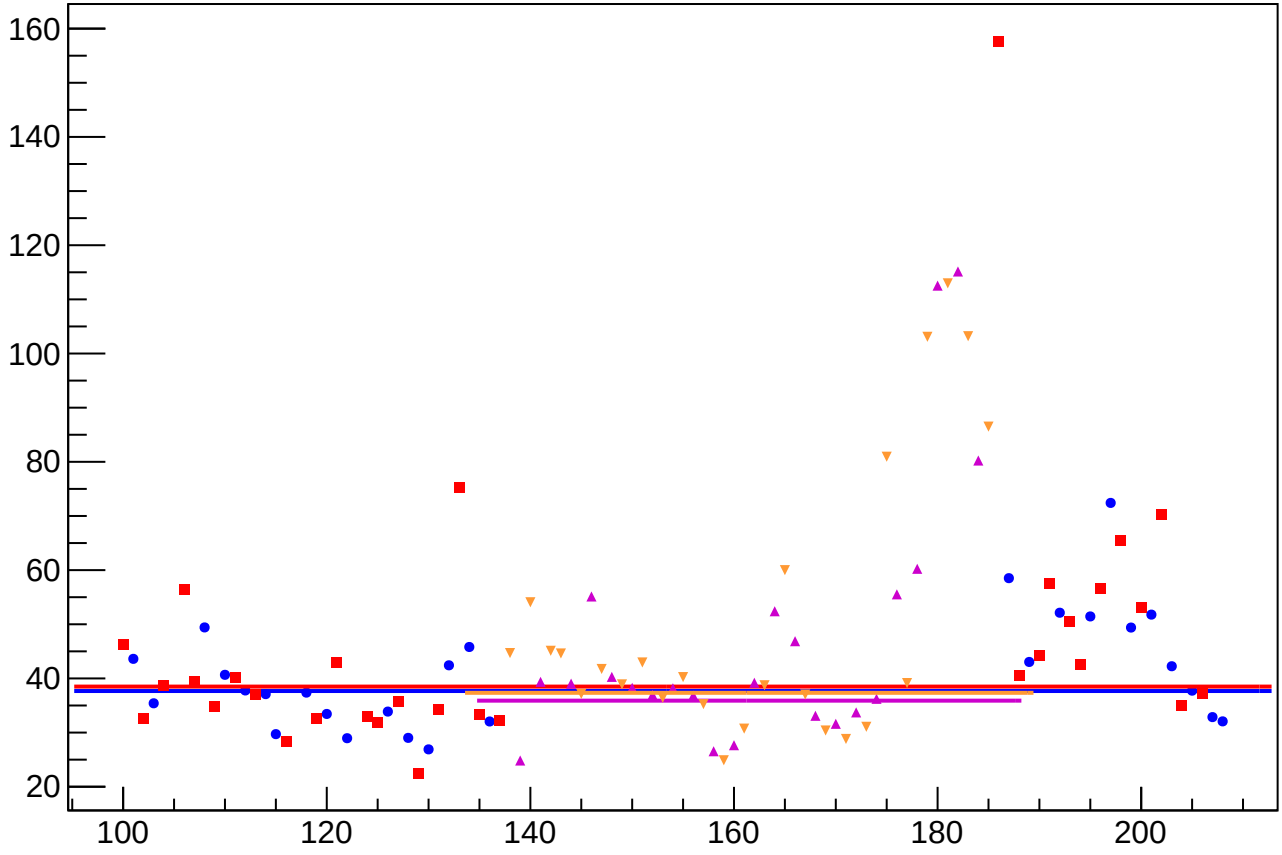
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.000+/-0.007 χ^2/NDF: 60.0/51

All: 0.002+/-0.005 χ^2/NDF: 111.8/105

- sign 0.004+/-0.007 χ^2/NDF: 51.7/53

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.673+/-0.007 χ^2/NDF: 1480762.5/26

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

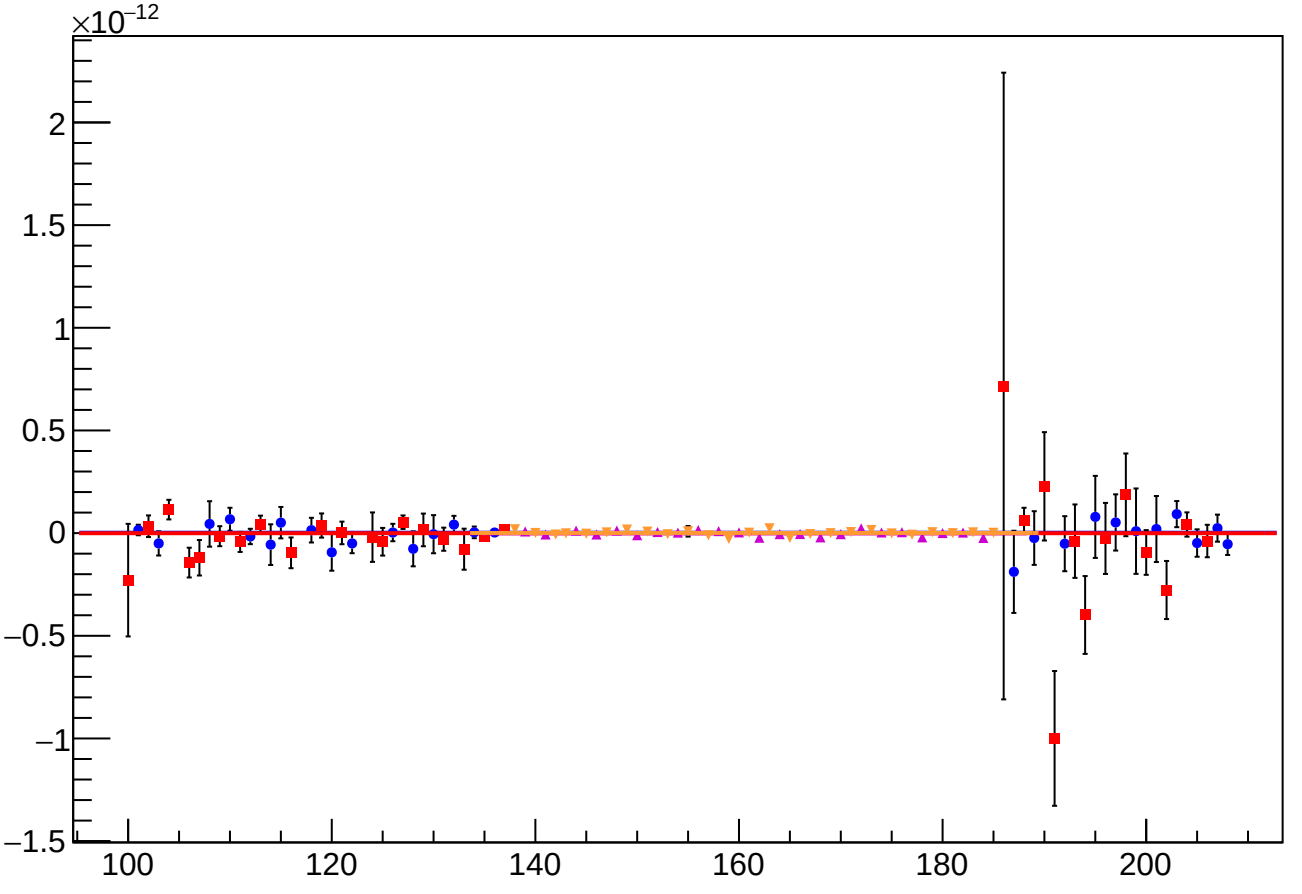
Right Out: 38.492+/-0.007 χ^2/NDF: 2286006.9/30

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.495+/-0.005 χ^2/NDF: 5178617.7/51

All: 37.270+/-0.003 χ^2/NDF: 10678281.3/105

- sign 37.043+/-0.005 χ^2/NDF: 5495286.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

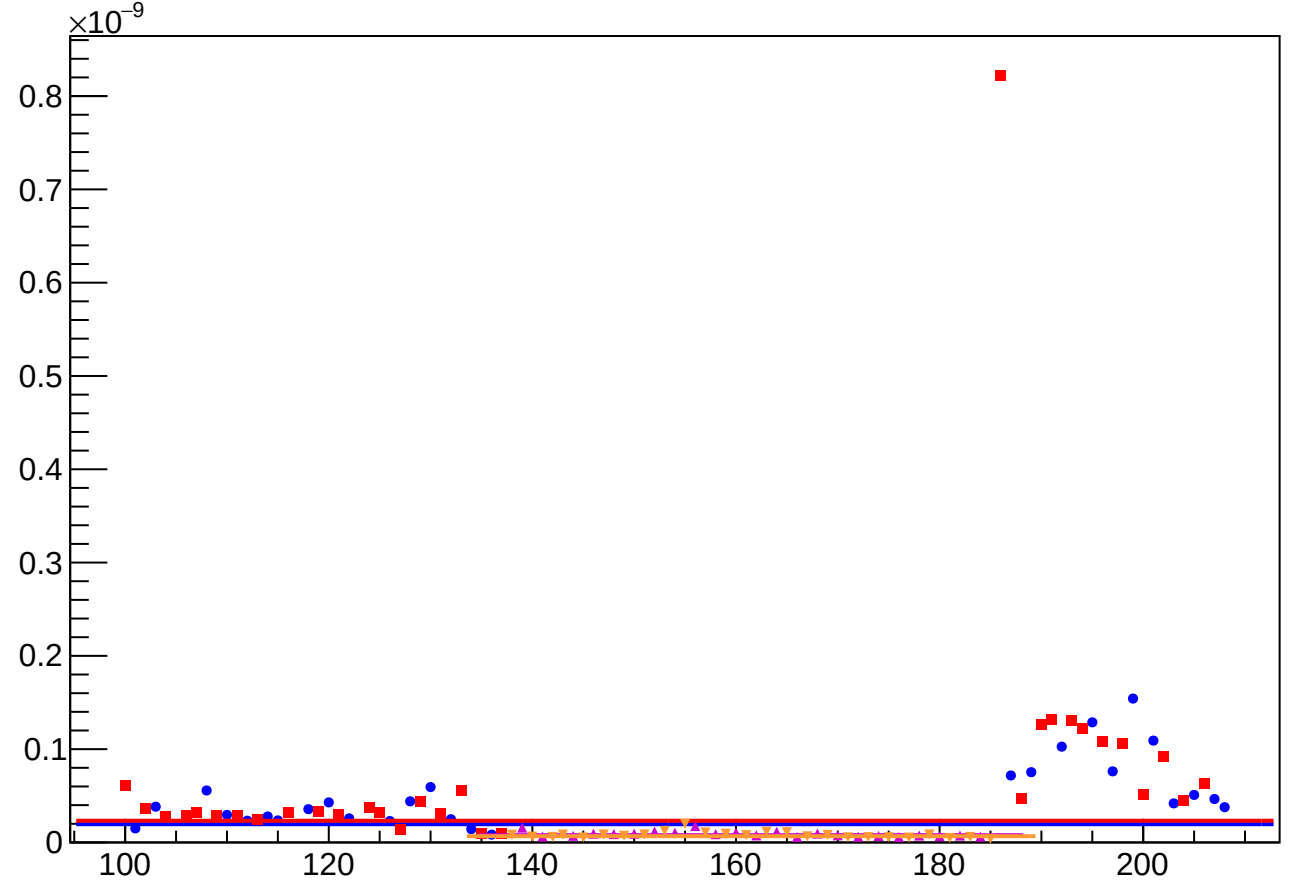
Right Out: -0.000+/-0.000 χ^2/NDF: 43.3/30

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.3/51

All: 0.000+/-0.000 χ^2/NDF: 107.2/105

- sign -0.000+/-0.000 χ^2/NDF: 72.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 8095074.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7573116.8/30

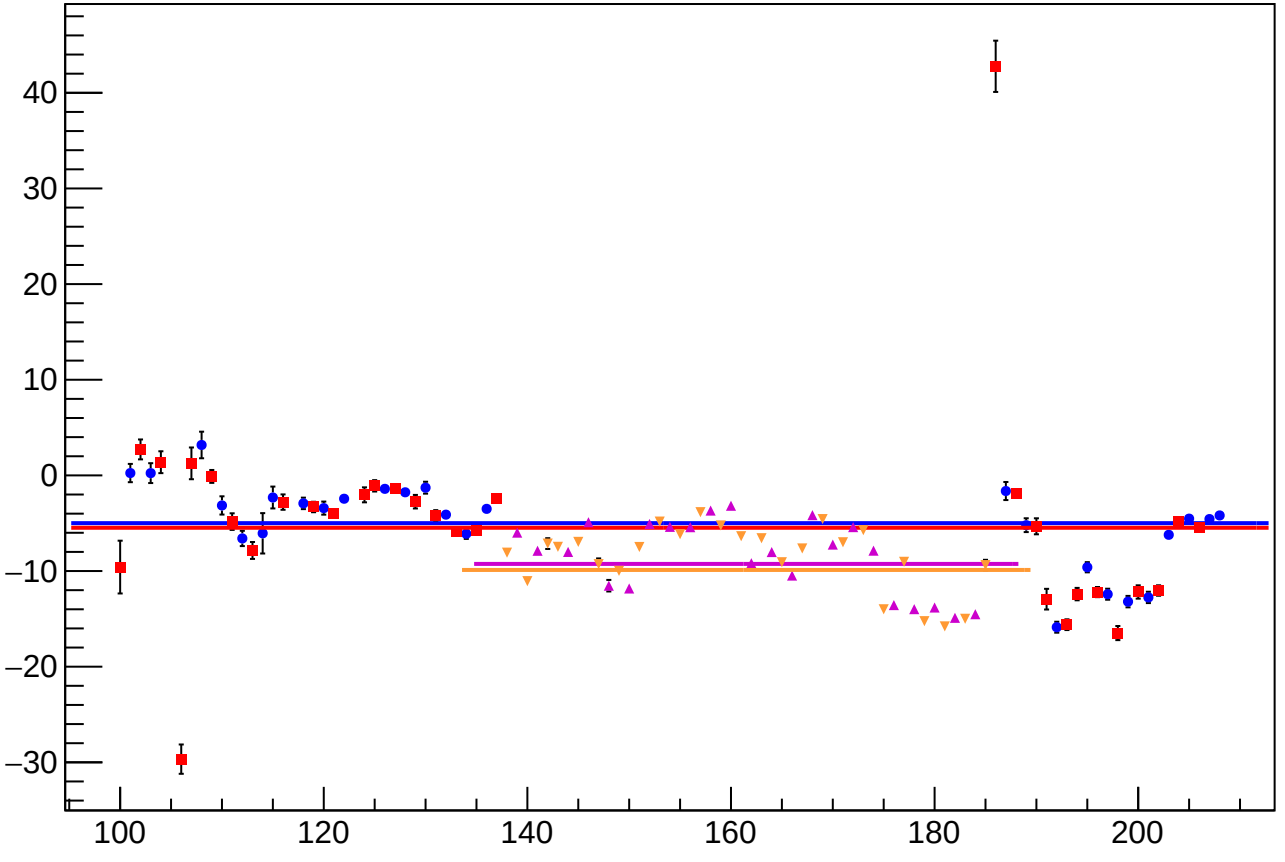
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14797219.9/51

All: 0.000+/-0.000 χ^2/NDF: 29079076.5/105

- sign 0.000+/-0.000 χ^2/NDF: 13972201.8/53

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -4.994+/-0.100 χ^2/NDF: 1324.8/26

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.475+/-0.105 χ^2/NDF: 2253.5/30

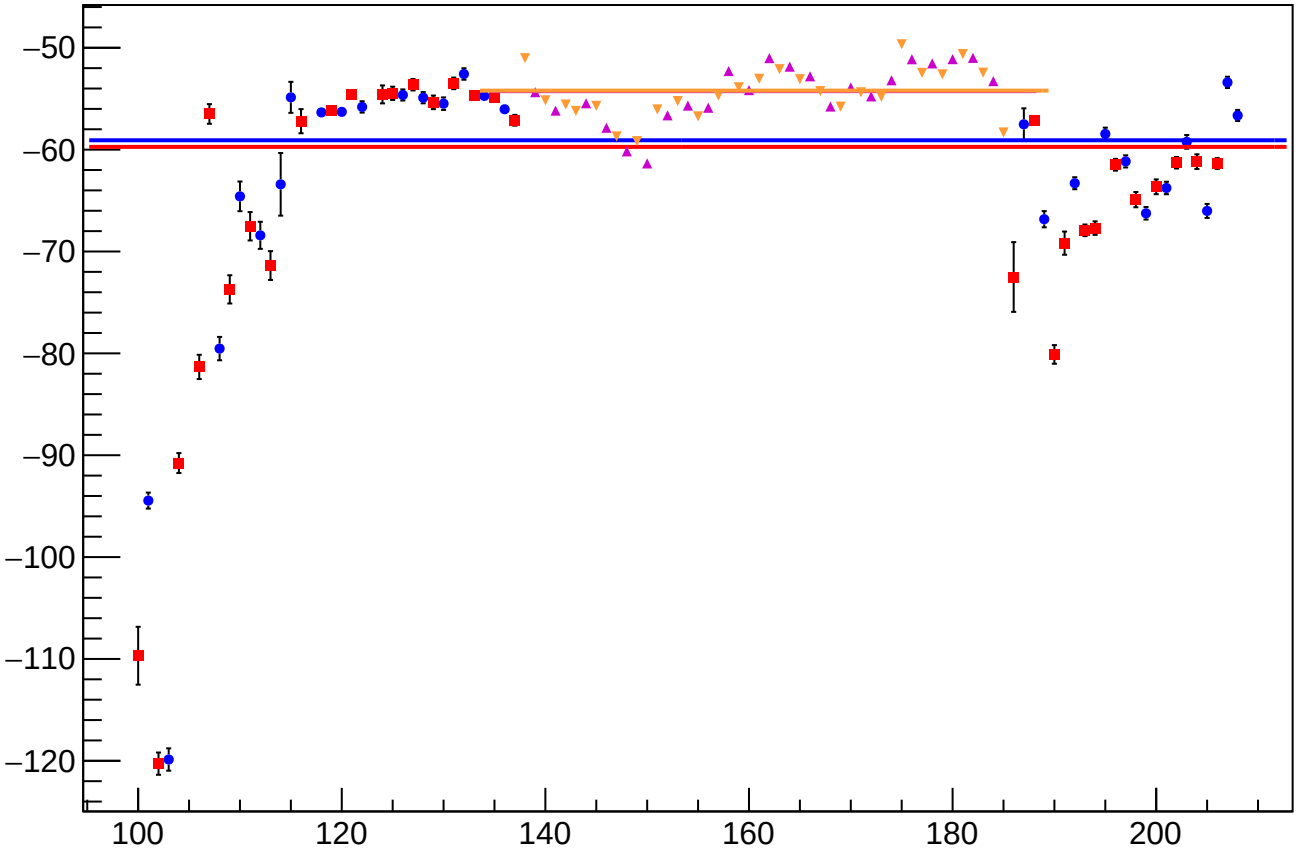
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.291+/-0.057 χ^2/NDF: 6146.4/51

All: -8.173+/-0.041 χ^2/NDF: 12366.4/105

- sign -8.047+/-0.059 χ^2/NDF: 6211.2/53

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -59.080+/-0.111 χ^2/NDF: 6749.9/26

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.729+/-0.112 χ^2/NDF: 7053.1/30

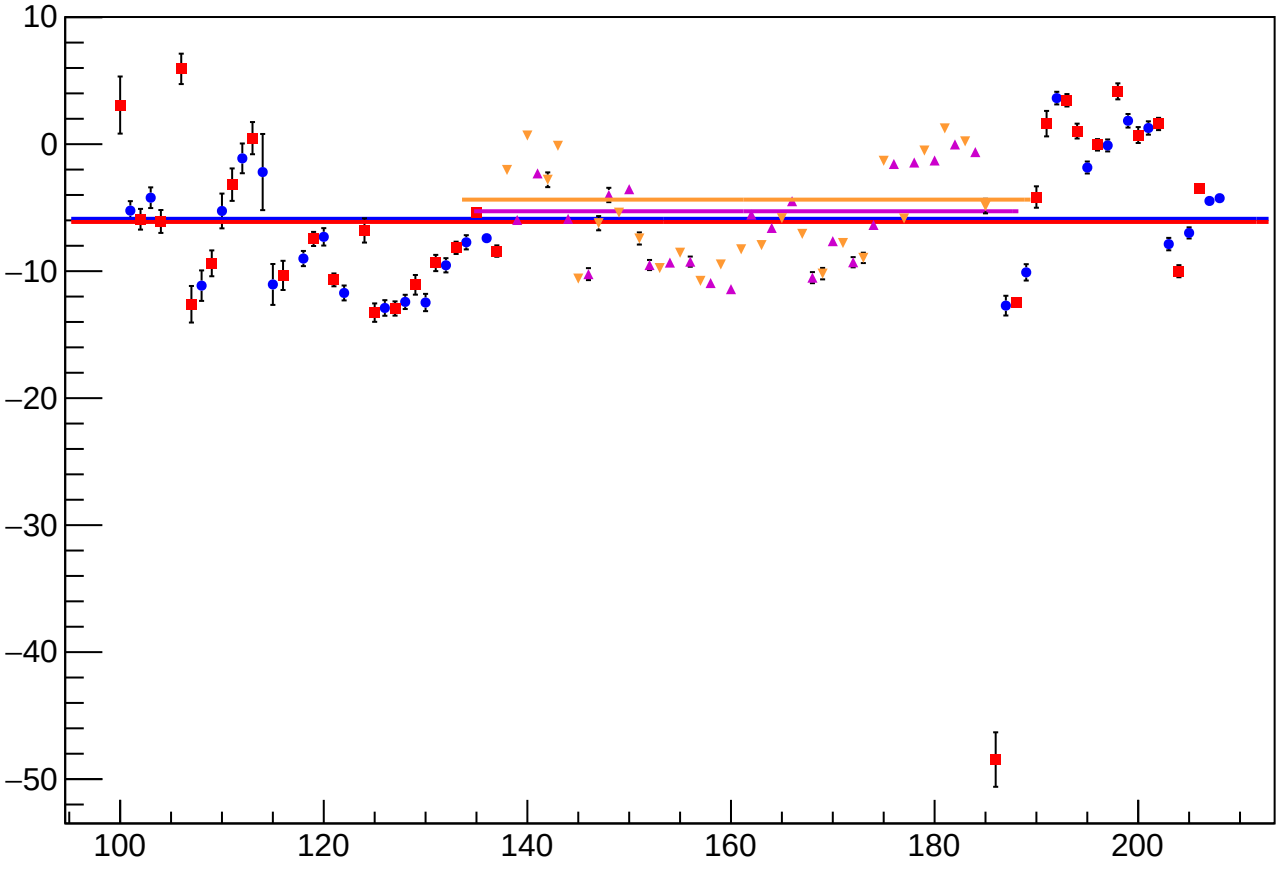
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -55.188+/-0.050 χ^2/NDF: 10142.8/51

All: -55.299+/-0.036 χ^2/NDF: 21563.8/105

- sign -55.418+/-0.052 χ^2/NDF: 11410.7/53

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -5.878+/-0.100 χ^2/NDF: 1809.9/26

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -6.124+/-0.103 χ^2/NDF: 3161.4/30

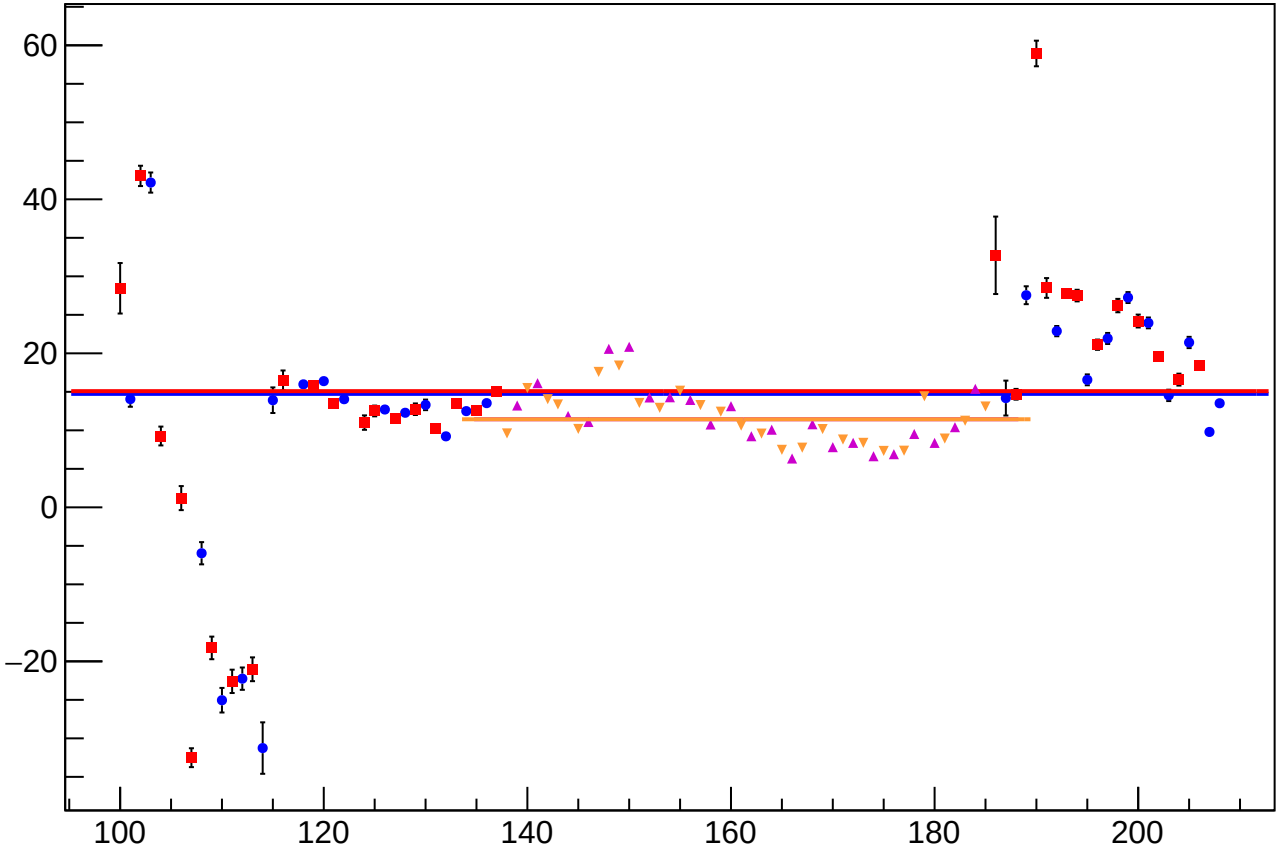
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -4.855+/-0.057 χ^2/NDF: 5665.4/51

All: -5.195+/-0.041 χ^2/NDF: 11695.2/105

- sign -5.554+/-0.059 χ^2/NDF: 5956.6/53

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 14.737+/-0.124 χ^2/NDF: 3304.7/26

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 15.089+/-0.128 χ^2/NDF: 5901.2/30

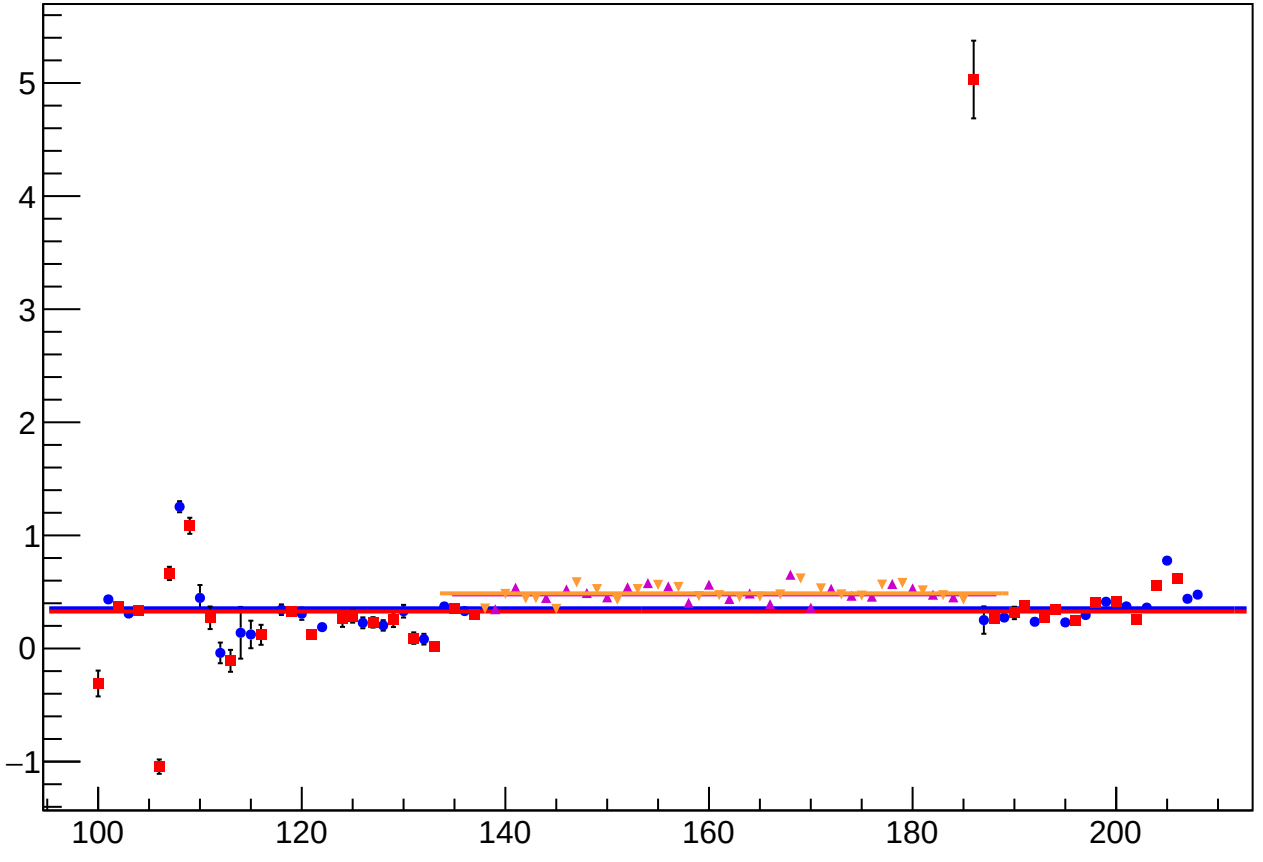
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

+ sign 12.096+/-0.055 χ^2/NDF: 6305.7/51

All: 12.134+/-0.040 χ^2/NDF: 16214.6/105

- sign 12.174+/-0.057 χ^2/NDF: 9907.9/53

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.356+/-0.005 χ^2/NDF: 723.5/26

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.327+/-0.006 χ^2/NDF: 1291.1/30

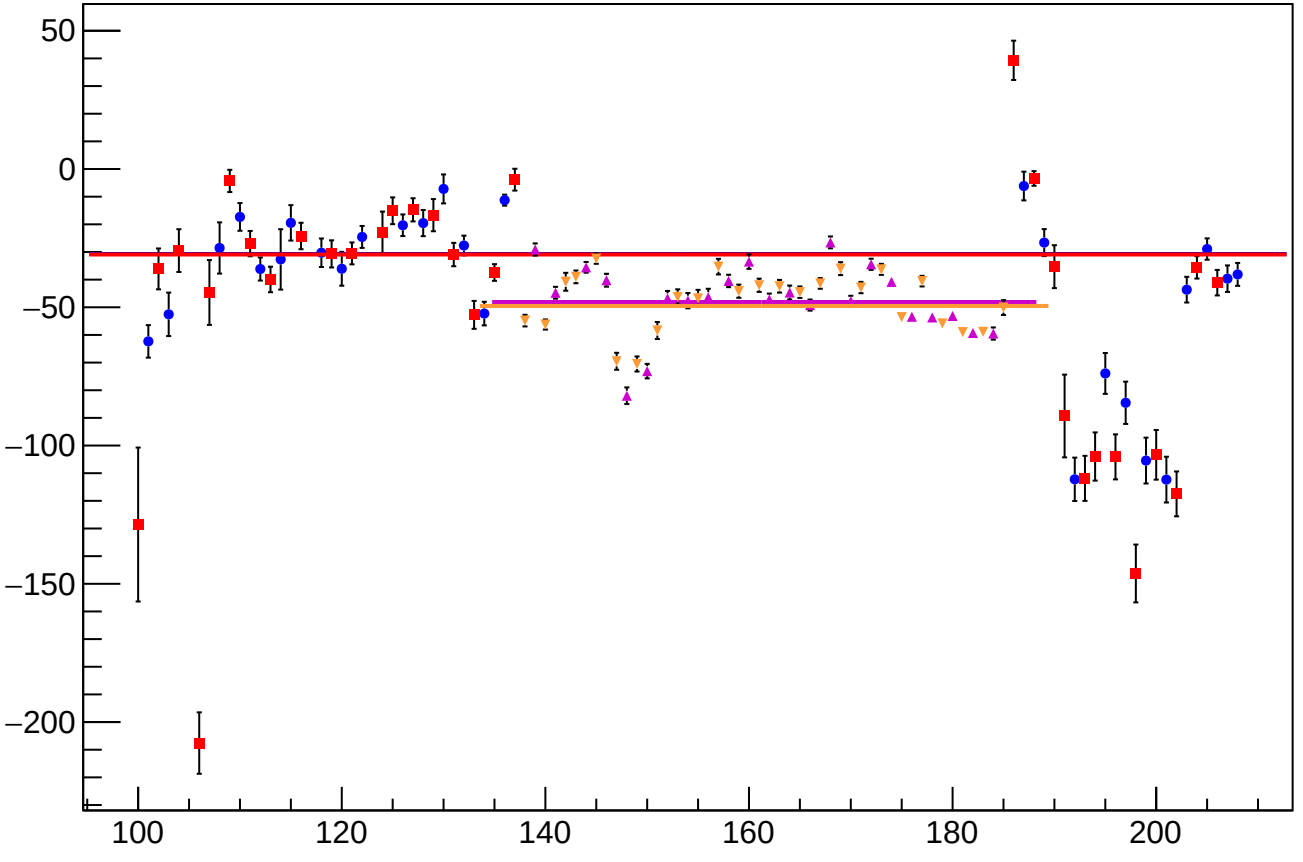
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.461+/-0.002 χ^2/NDF: 1740.3/51

All: 0.455+/-0.002 χ^2/NDF: 4435.2/105

- sign 0.449+/-0.002 χ^2/NDF: 2682.6/53

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -30.728+/-0.905 χ^2/NDF: 614.6/26

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -30.910+/-0.934 χ^2/NDF: 1198.7/30

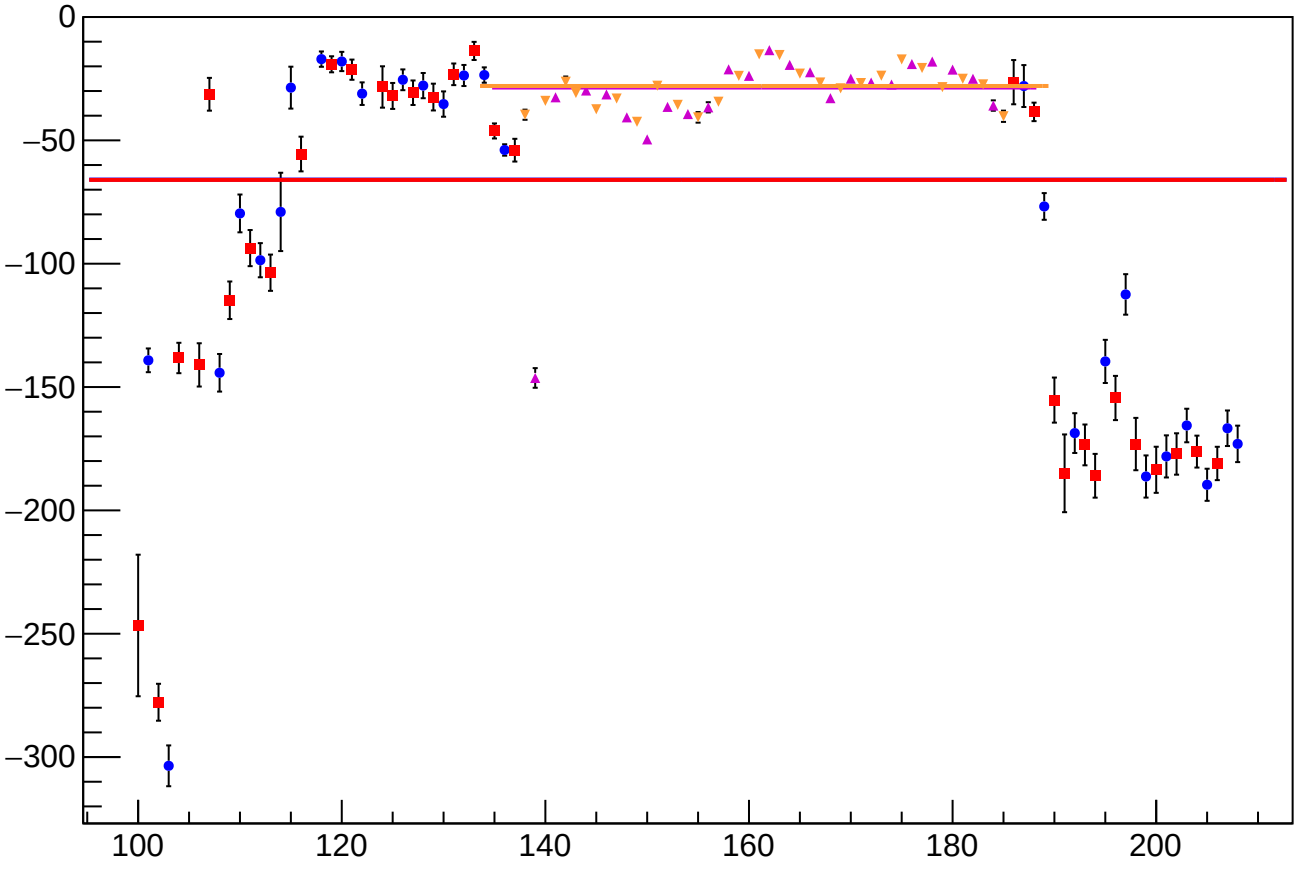
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.412+/-0.368 χ^2/NDF: 1551.1/51

All: -45.837+/-0.265 χ^2/NDF: 3742.6/105

- sign -45.216+/-0.382 χ^2/NDF: 2186.4/53

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -65.902+/-0.987 χ^2/NDF: 3798.0/26

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -66.035+/-1.034 χ^2/NDF: 3675.2/30

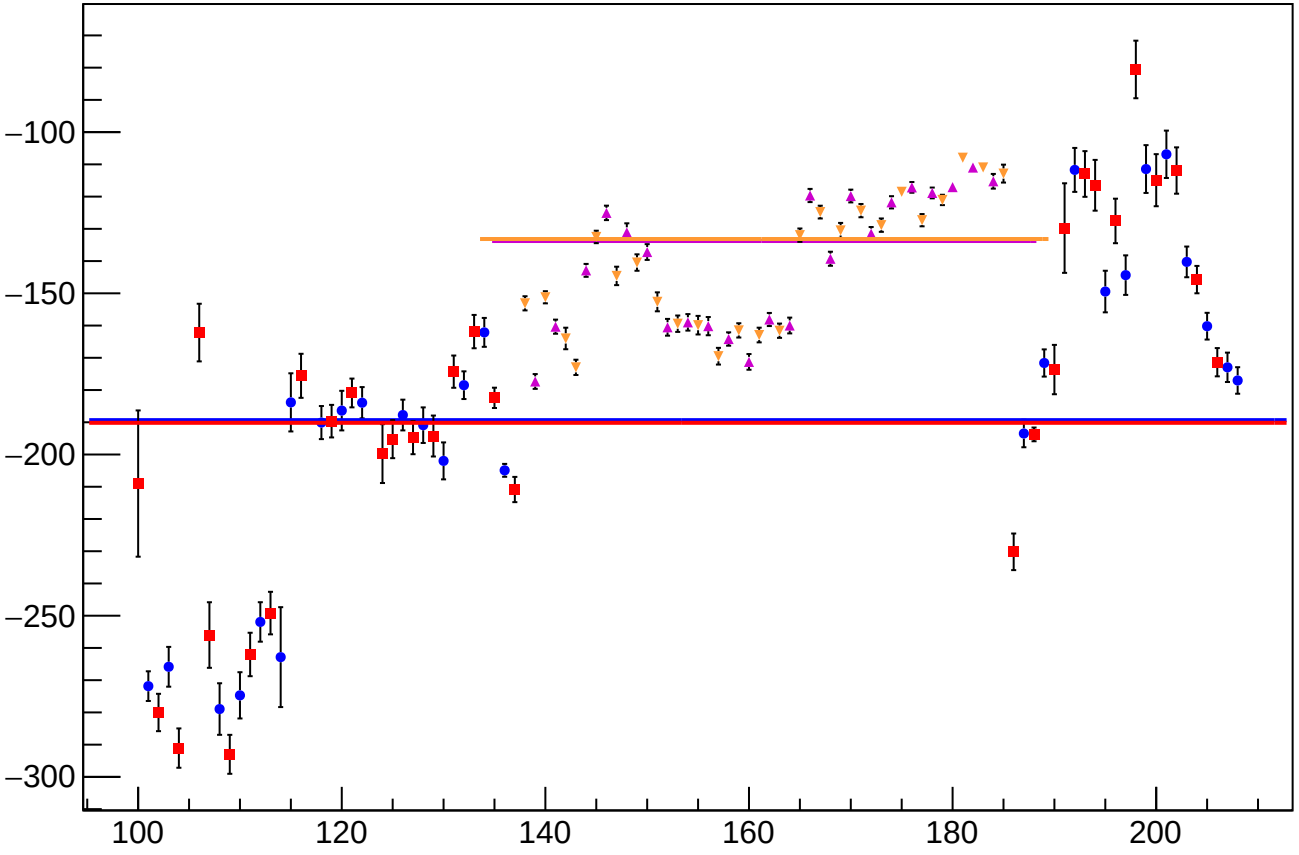
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

\+ sign -31.589+/-0.305 χ^2/NDF: 5632.3/51

All: -31.845+/-0.220 χ^2/NDF: 11977.0/105

\- sign -32.122+/-0.317 χ^2/NDF: 6343.2/53

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -189.338+/-0.933 χ^2/NDF: 1634.1/26

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -190.166+/-0.955 χ^2/NDF: 1984.2/30

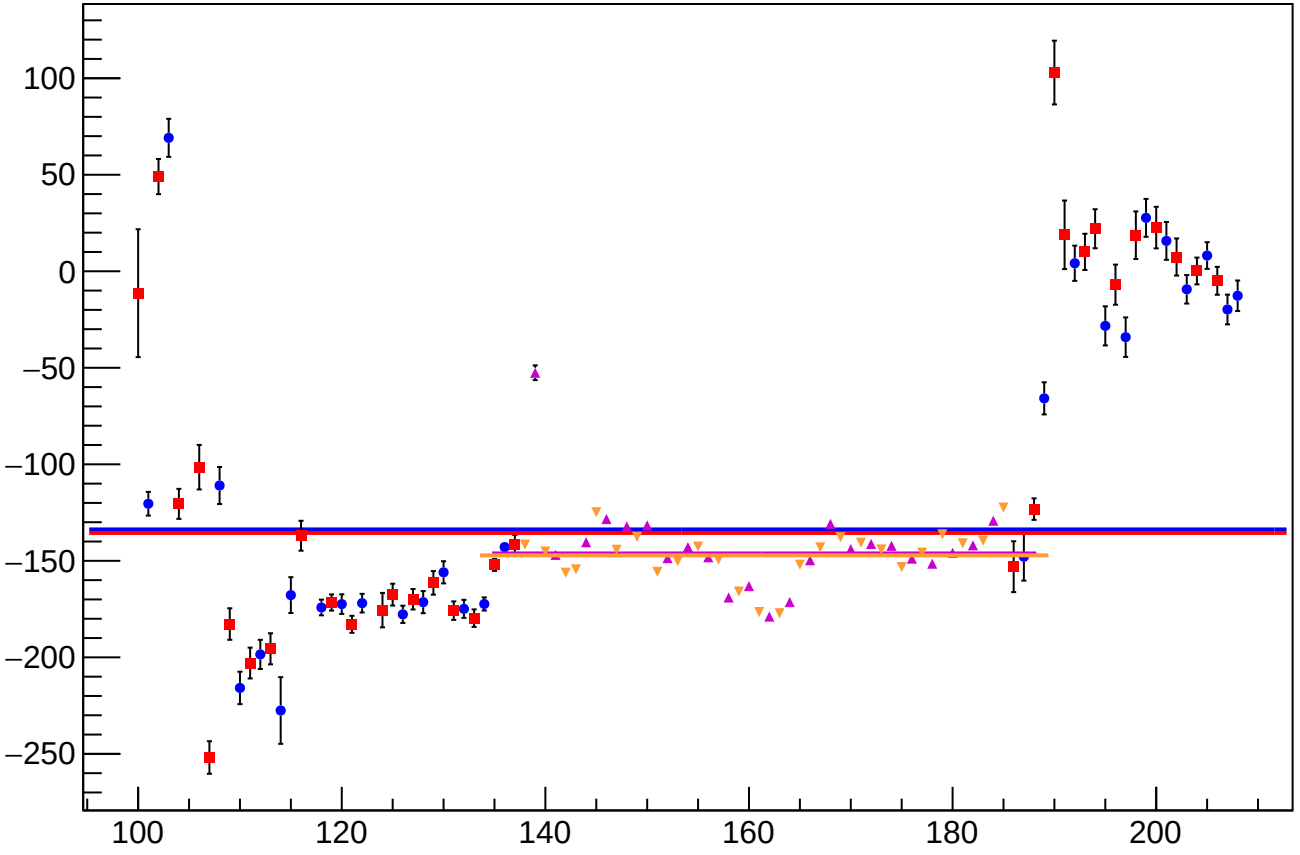
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.991+/-0.370 χ^2/NDF: 7222.8/51

All: -142.385+/-0.266 χ^2/NDF: 14577.9/105

- sign -142.805+/-0.382 χ^2/NDF: 7352.7/53

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -133.739+/-1.110 χ^2/NDF: 3401.9/26

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -135.544+/-1.185 χ^2/NDF: 3514.0/30

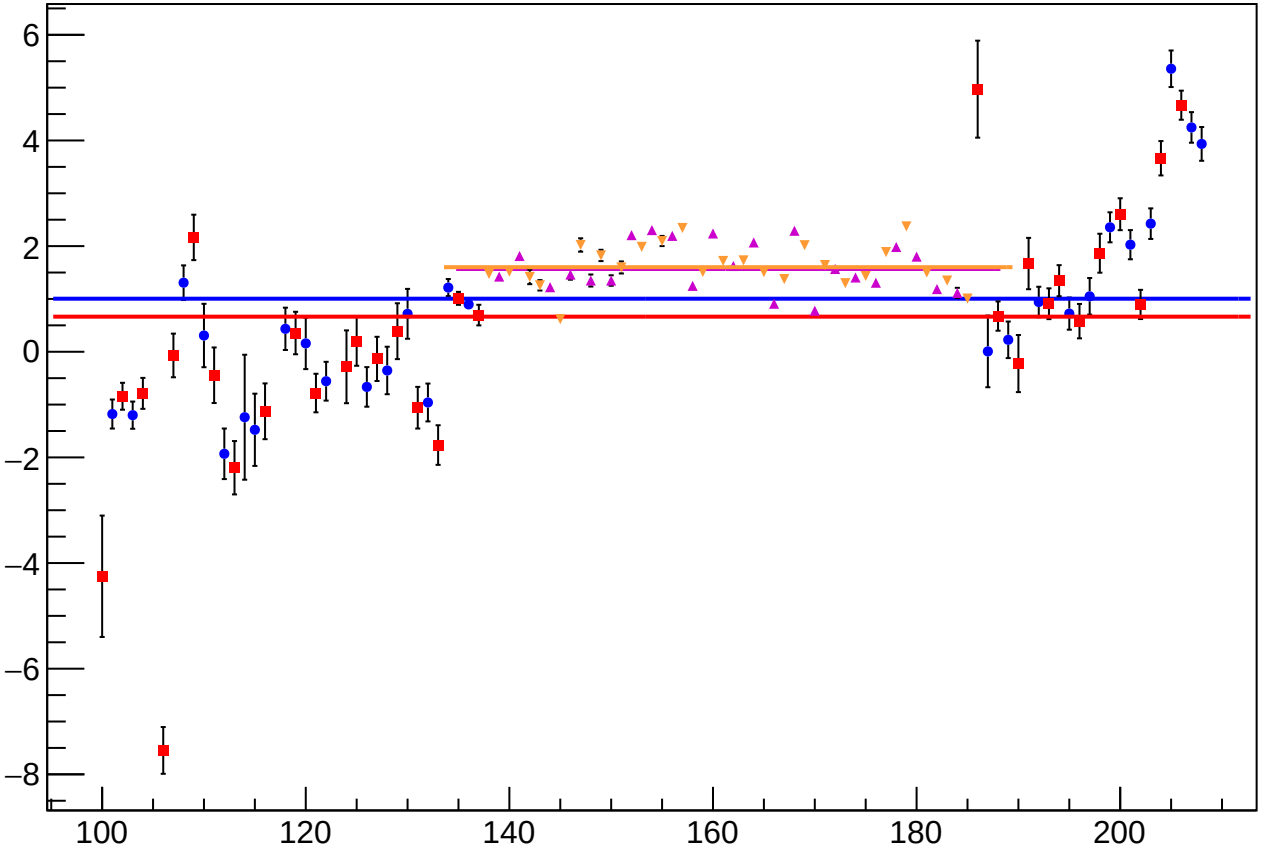
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -145.902+/-0.341 χ^2/NDF: 4780.0/51

All: -145.577+/-0.245 χ^2/NDF: 10162.9/105

- sign -145.227+/-0.354 χ^2/NDF: 5381.0/53

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.004+/-0.054 χ^2/NDF: 715.0/26

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.665+/-0.058 χ^2/NDF: 961.5/30

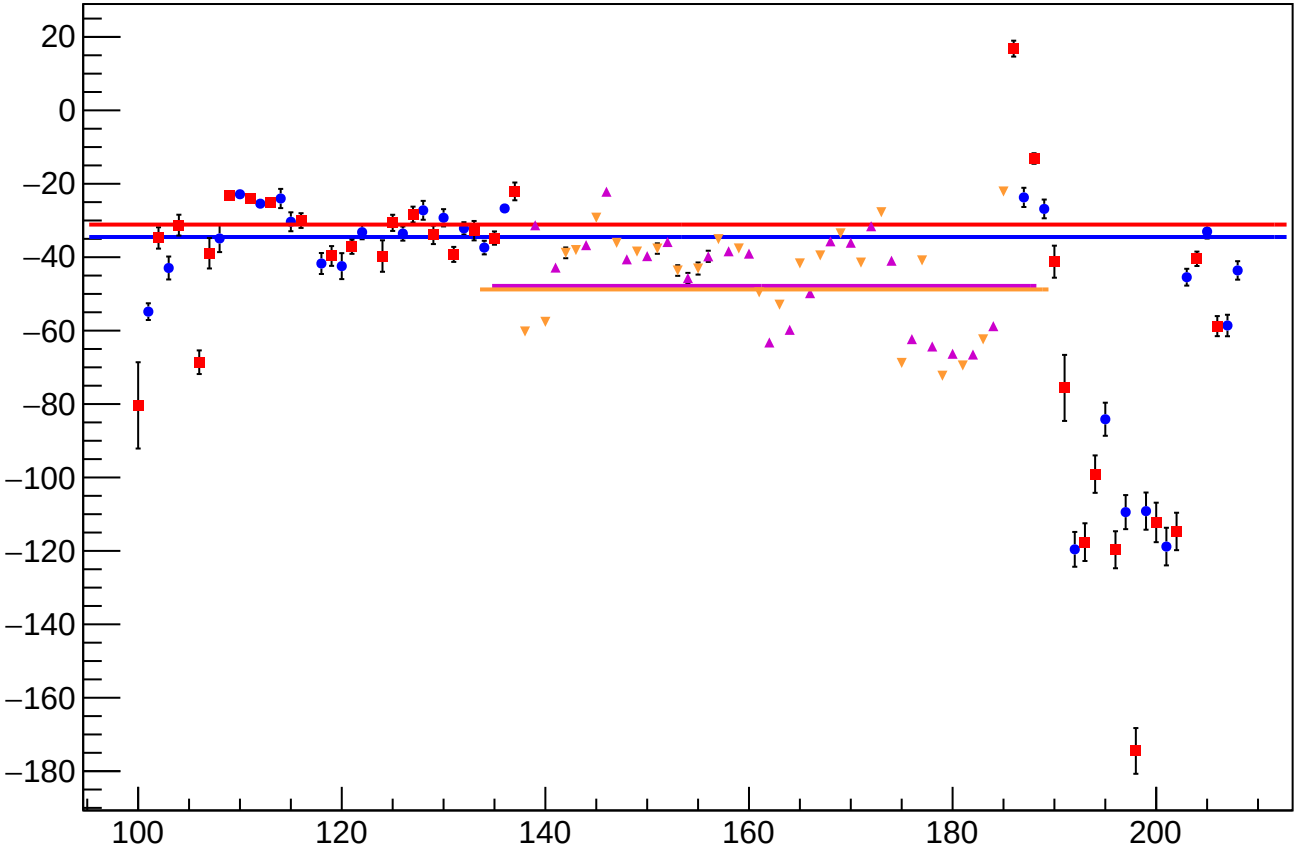
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.552+/-0.015 χ^2/NDF: 1410.3/51

All: 1.527+/-0.011 χ^2/NDF: 3338.8/105

- sign 1.500+/-0.016 χ^2/NDF: 1922.9/53

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -34.500+/-0.414 χ^2/NDF: 1655.1/26

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -31.113+/-0.399 χ^2/NDF: 2935.6/30

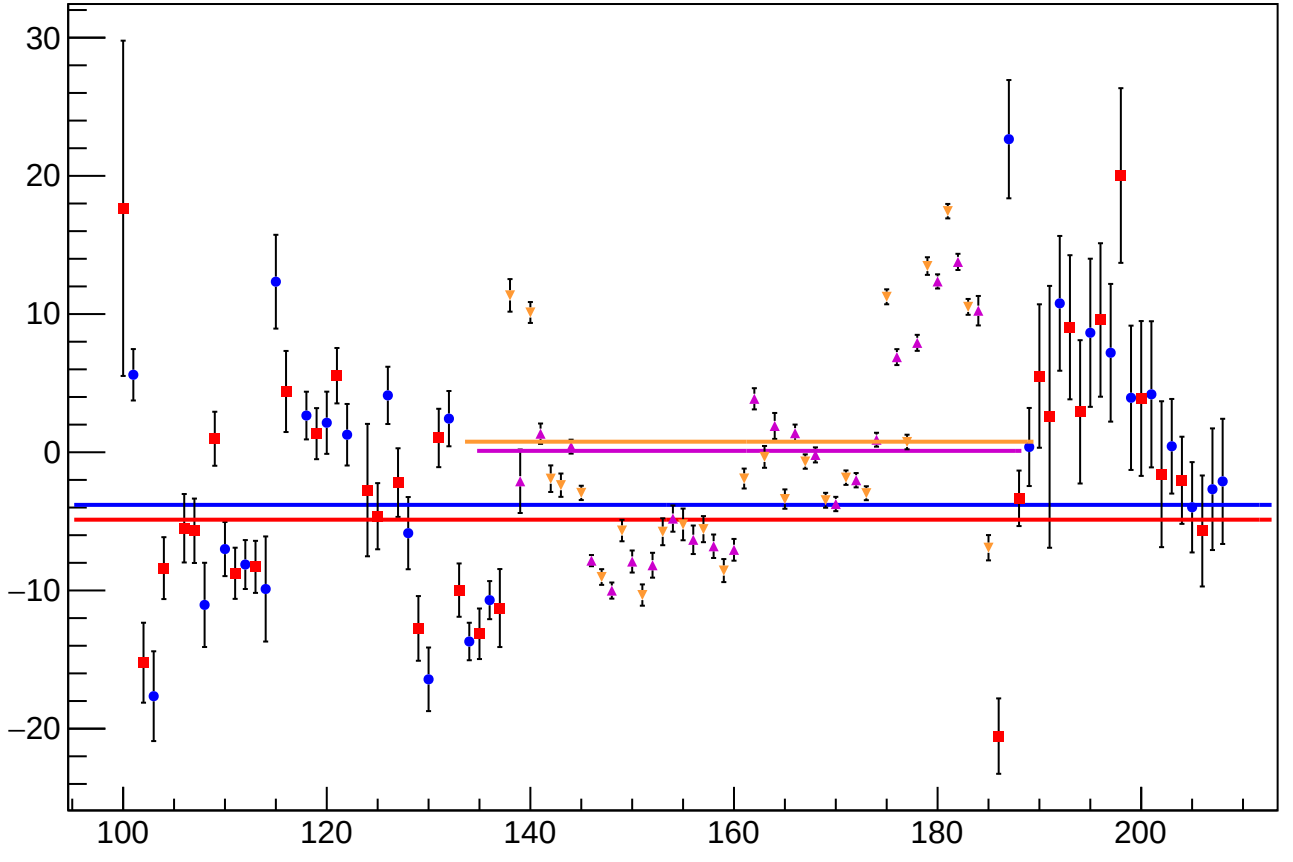
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.791+/-0.155 χ^2/NDF: 11632.0/51

All: -46.029+/-0.110 χ^2/NDF: 23327.1/105

- sign -45.250+/-0.156 χ^2/NDF: 11646.0/53

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.807+/-0.471 χ^2/NDF: 308.5/26

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -4.878+/-0.475 χ^2/NDF: 210.5/30

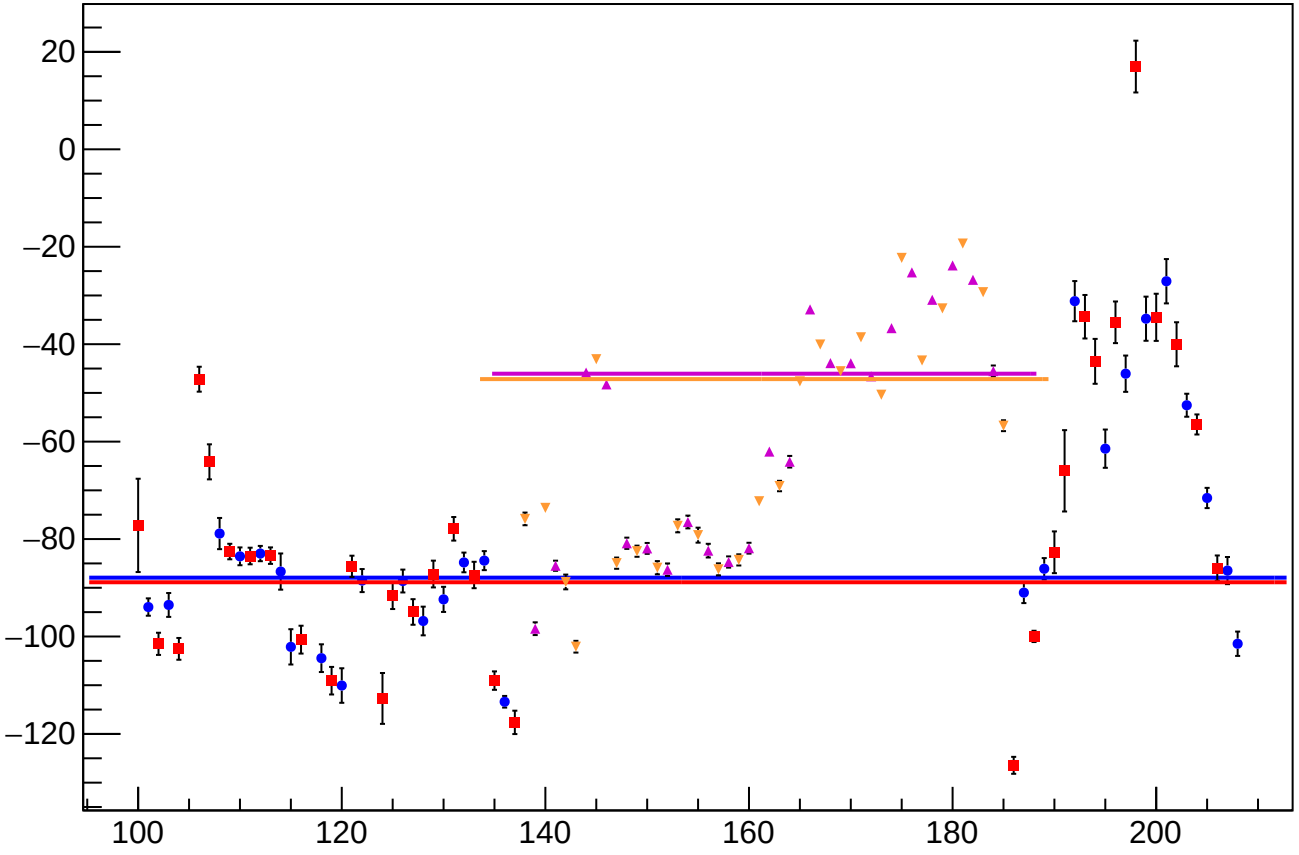
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.432+/-0.127 χ^2/NDF: 3862.9/51

All: 0.087+/-0.090 χ^2/NDF: 6912.0/105

- sign -0.260+/-0.128 χ^2/NDF: 3034.4/53

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -87.922+/-0.452 χ^2/NDF: 1597.0/26

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -88.867+/-0.439 χ^2/NDF: 2652.3/30

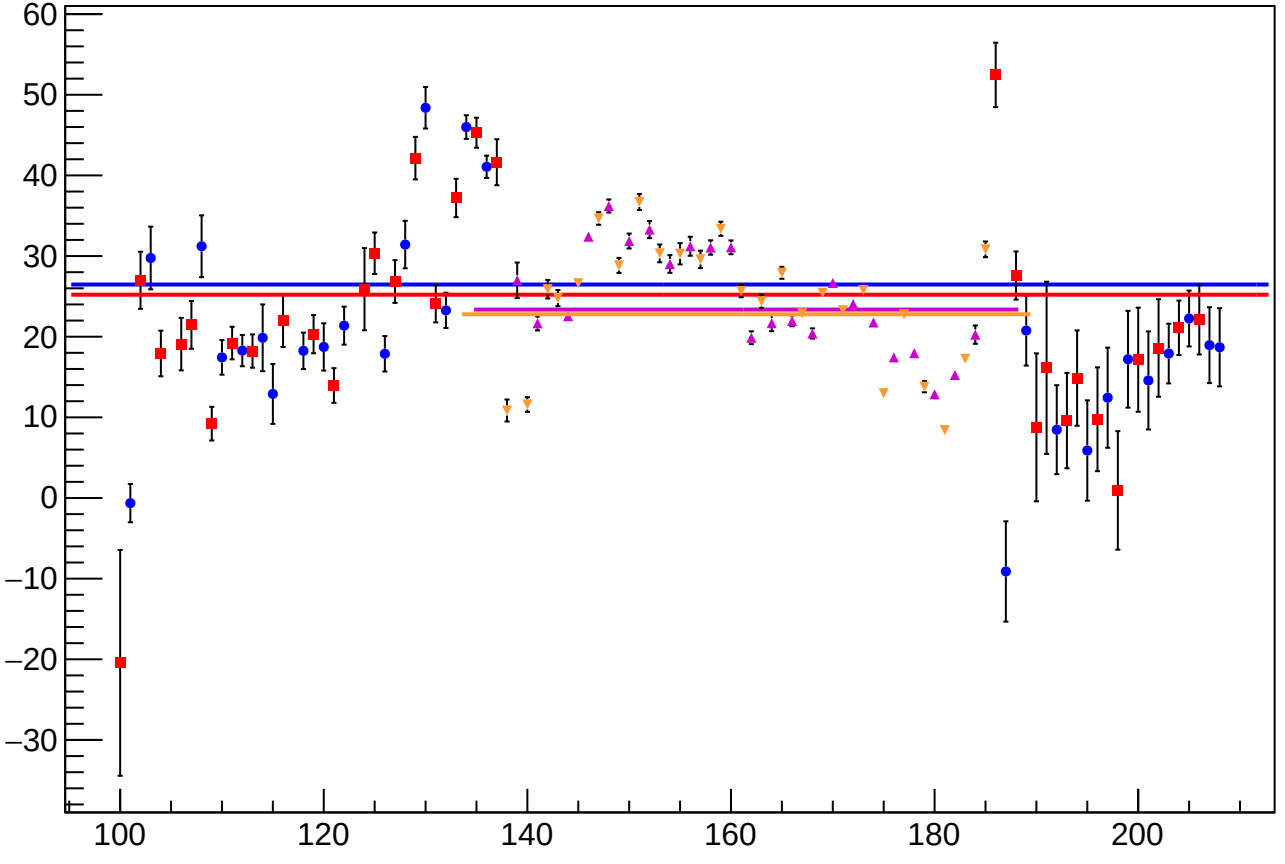
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

\+ sign -52.082+/-0.157 χ^2/NDF: 26391.6/51

All: -51.873+/-0.112 χ^2/NDF: 52098.6/105

\- sign -51.659+/-0.159 χ^2/NDF: 25703.4/53

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 26.471+/-0.531 χ^2/NDF: 670.3/26

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.208+/-0.546 χ^2/NDF: 437.4/30

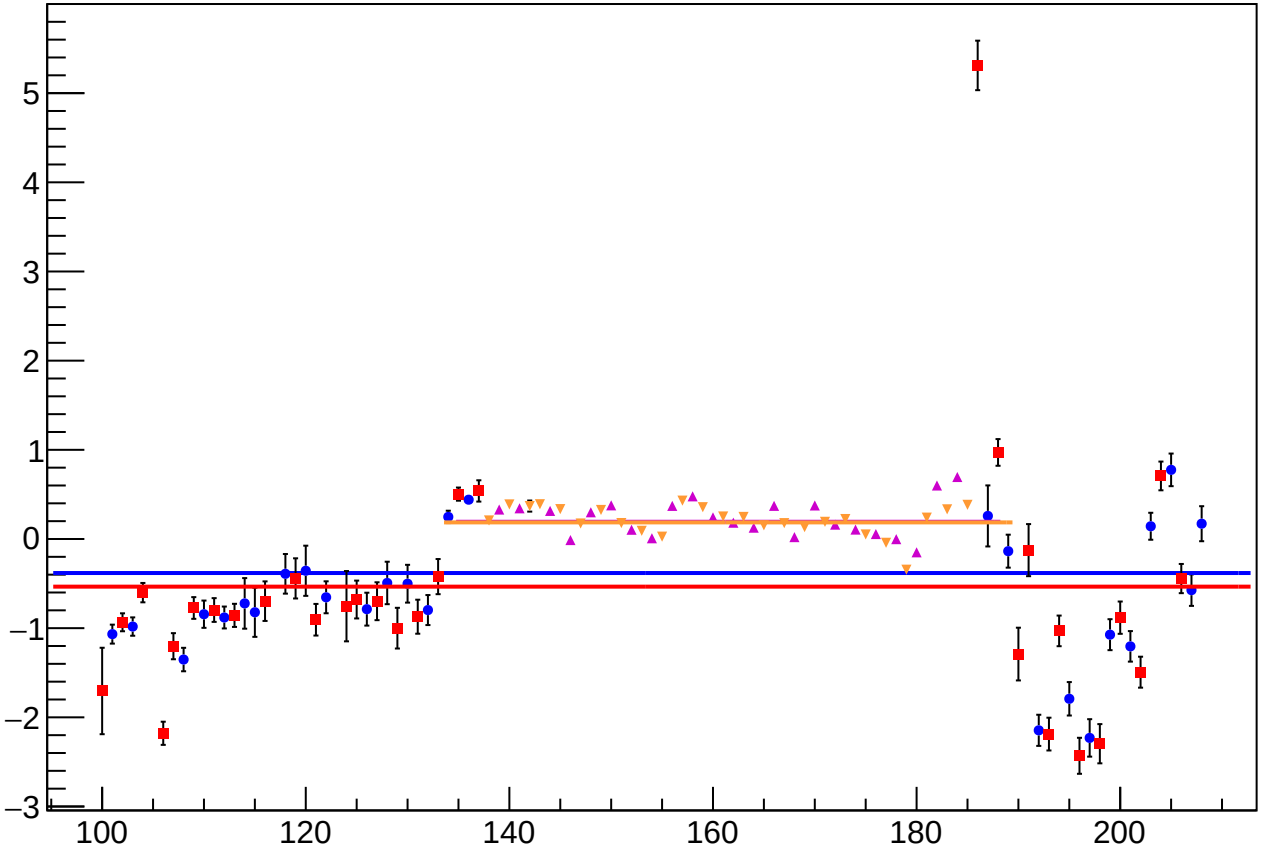
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.046+/-0.142 χ^2/NDF: 3128.1/51

All: 23.267+/-0.101 χ^2/NDF: 5366.4/105

- sign 23.493+/-0.144 χ^2/NDF: 2233.3/53

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.382+/-0.027 χ^2/NDF: 809.0/26

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.534+/-0.028 χ^2/NDF: 1398.9/30

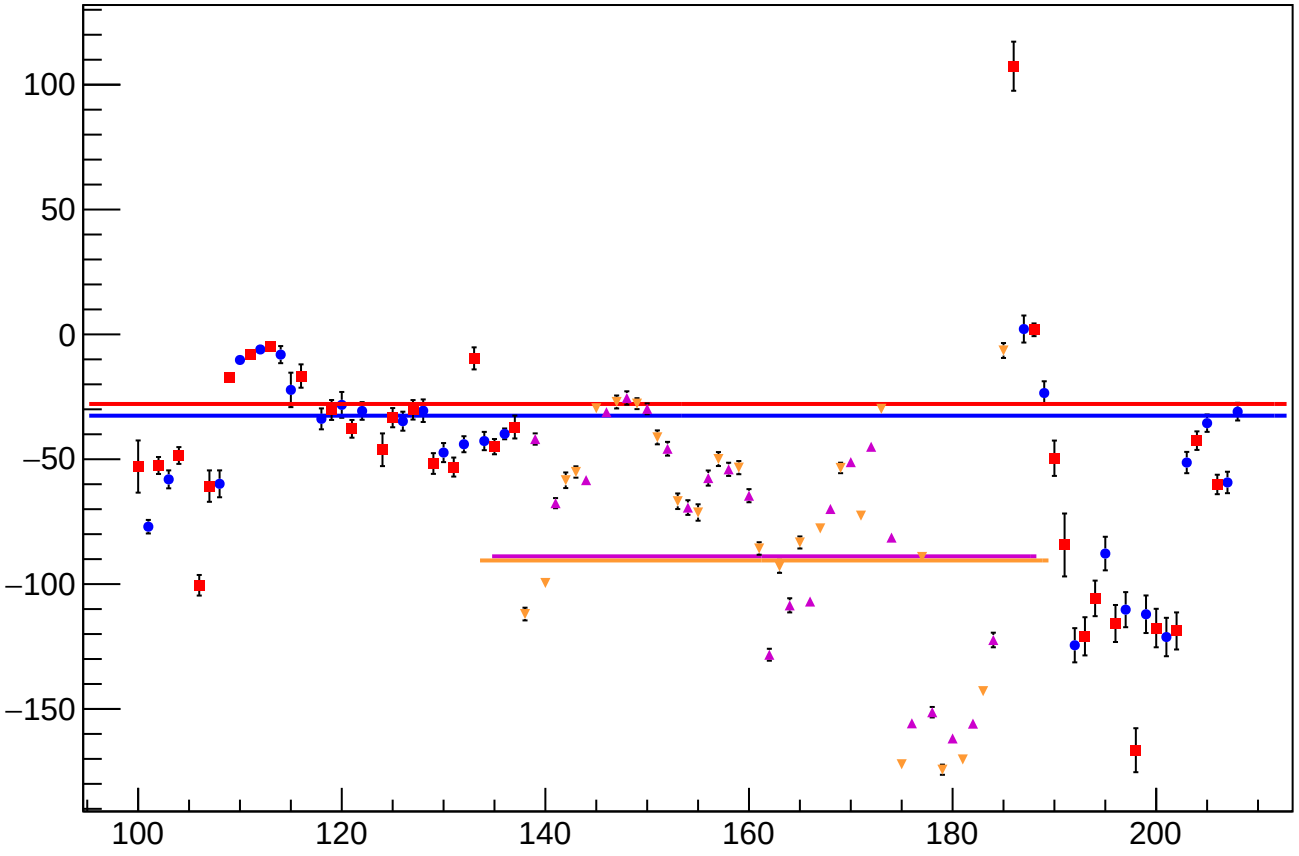
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.154+/-0.006 χ^2/NDF: 1876.3/51

All: 0.154+/-0.005 χ^2/NDF: 4843.0/105

- sign 0.155+/-0.006 χ^2/NDF: 2966.6/53

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -32.555+/-0.654 χ^2/NDF: 1652.6/26

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -27.862+/-0.608 χ^2/NDF: 2395.6/30

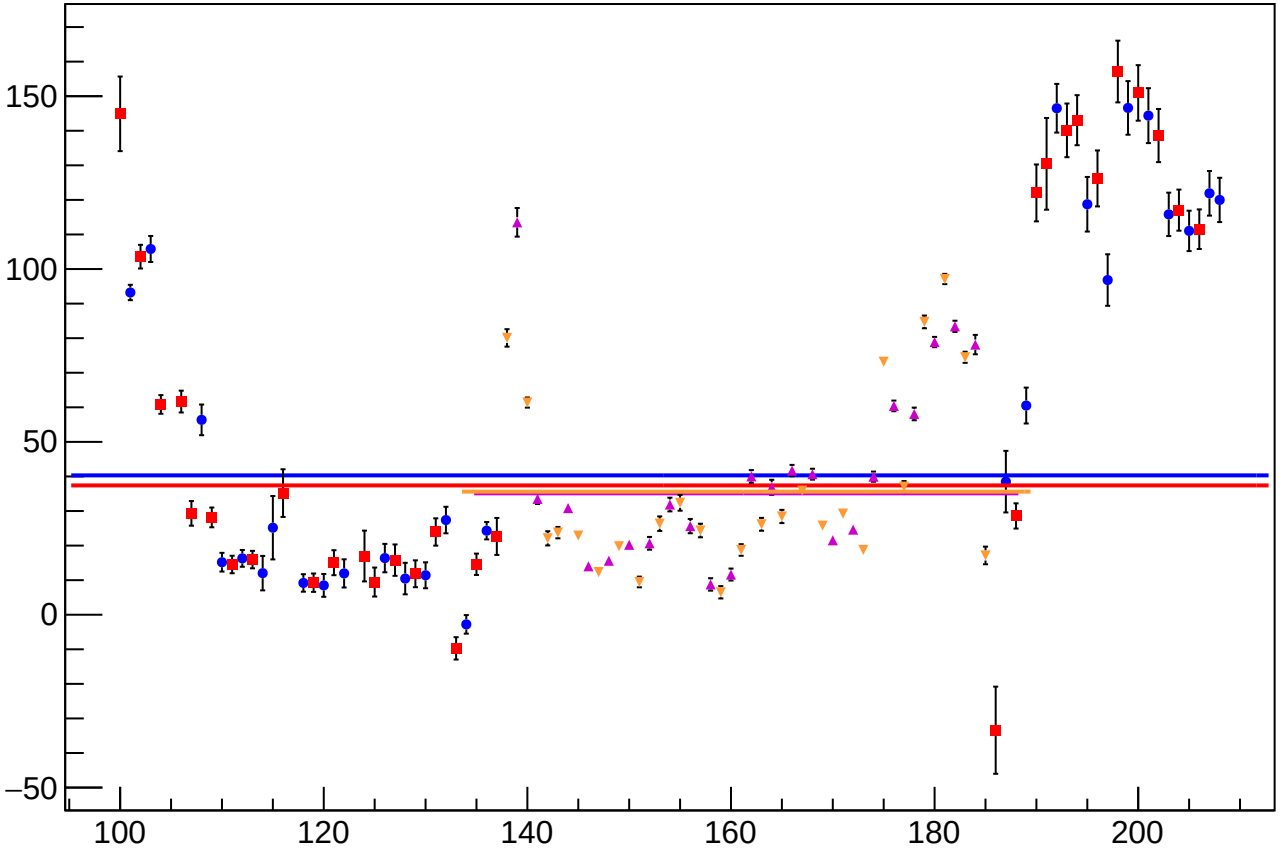
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

\+ sign -73.531+/-0.354 χ^2/NDF: 22565.7/51

All: -70.884+/-0.250 χ^2/NDF: 43560.6/105

\- sign -68.247+/-0.353 χ^2/NDF: 20883.3/53

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 40.313+/-0.751 χ^2/NDF: 3206.3/26

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 37.408+/-0.739 χ^2/NDF: 2932.7/30

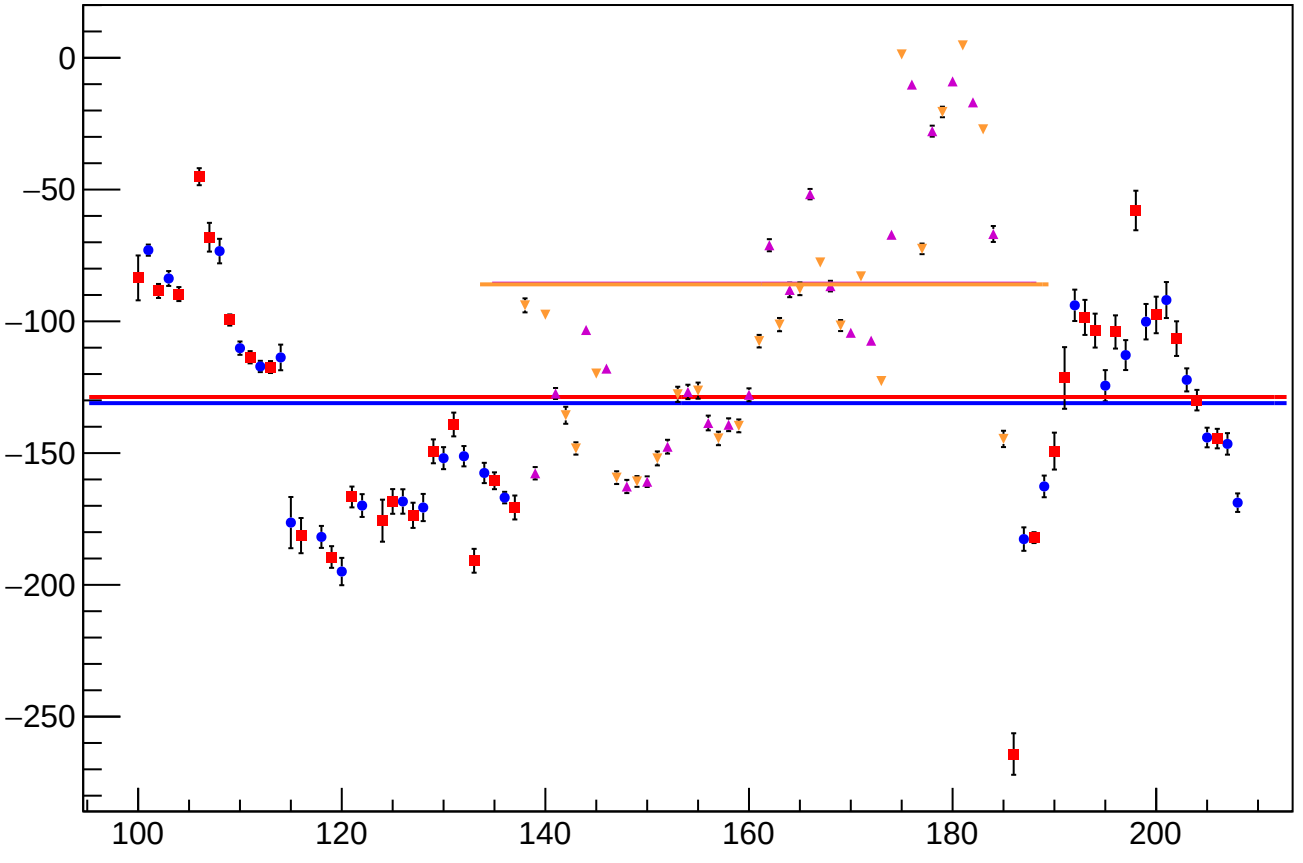
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 36.357+/-0.299 χ^2/NDF: 9212.3/51

All: 35.942+/-0.214 χ^2/NDF: 16301.4/105

- sign 35.506+/-0.306 χ^2/NDF: 7085.1/53

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -131.044+/-0.714 χ^2/NDF: 2643.2/26

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -128.715+/-0.686 χ^2/NDF: 3652.5/30

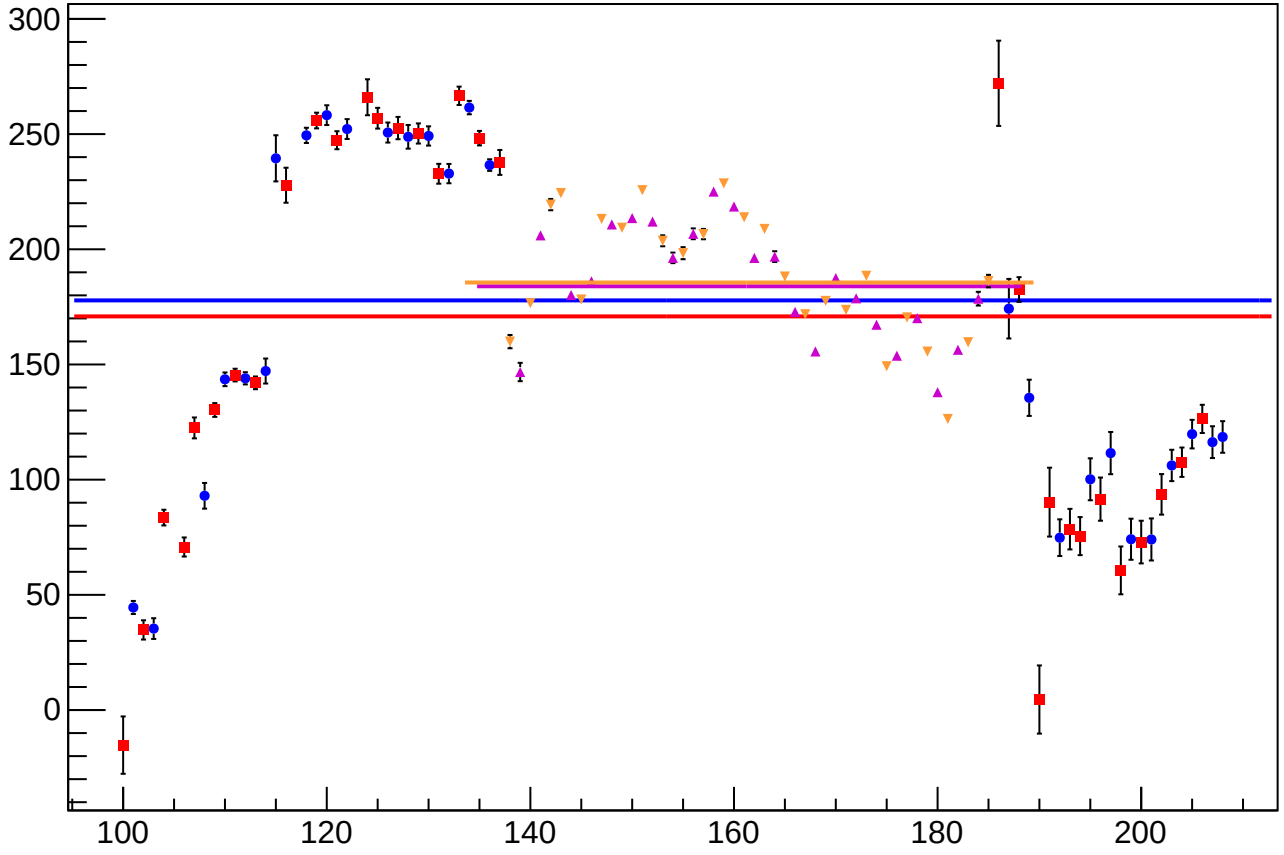
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -97.582+/-0.363 χ^2/NDF: 21831.9/51

All: -97.754+/-0.258 χ^2/NDF: 42054.3/105

- sign -97.928+/-0.366 χ^2/NDF: 20222.0/53

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 177.813+/-0.857 χ^2/NDF: 8182.6/26

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 170.870+/-0.850 χ^2/NDF: 7707.1/30

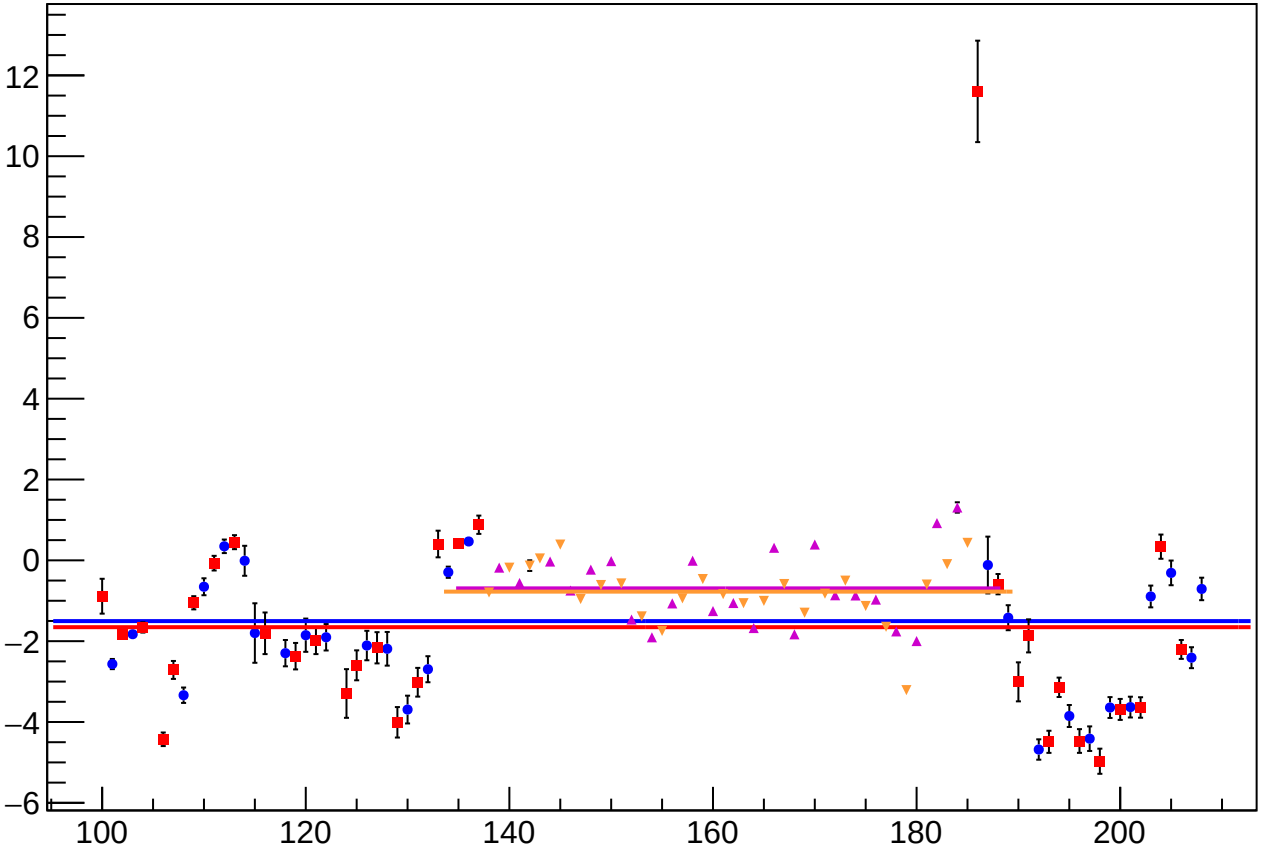
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 184.380+/-0.337 χ^2/NDF: 13606.8/51

All: 183.113+/-0.241 χ^2/NDF: 25413.8/105

- sign 181.785+/-0.345 χ^2/NDF: 11778.0/53

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.503+/-0.042 χ^2/NDF: 1350.3/26

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.654+/-0.041 χ^2/NDF: 1719.1/30

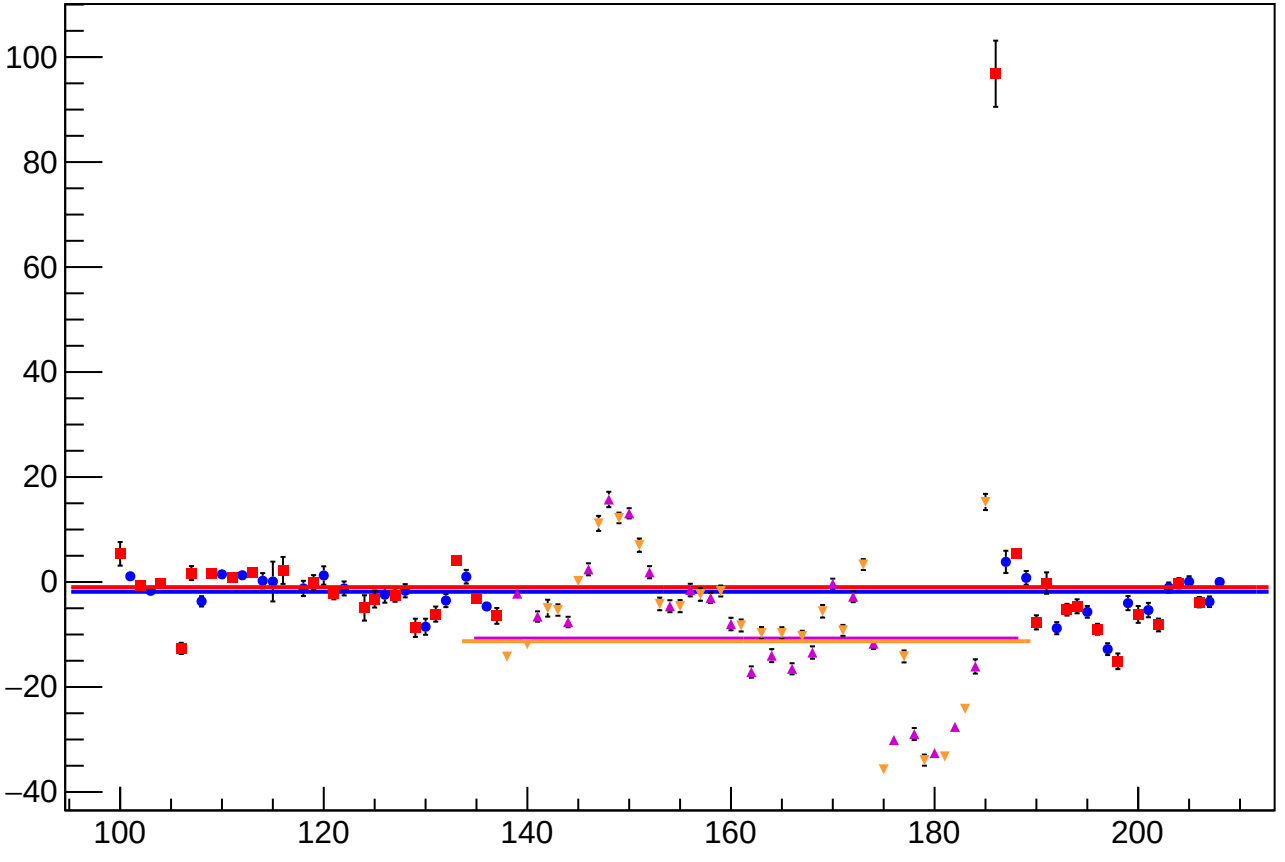
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.871+/-0.015 χ^2/NDF: 3435.5/51

All: -0.851+/-0.011 χ^2/NDF: 8185.6/105

- sign -0.829+/-0.016 χ^2/NDF: 4746.4/53

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.857+/-0.203 χ^2/NDF: 291.4/26

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.981+/-0.185 χ^2/NDF: 890.4/30

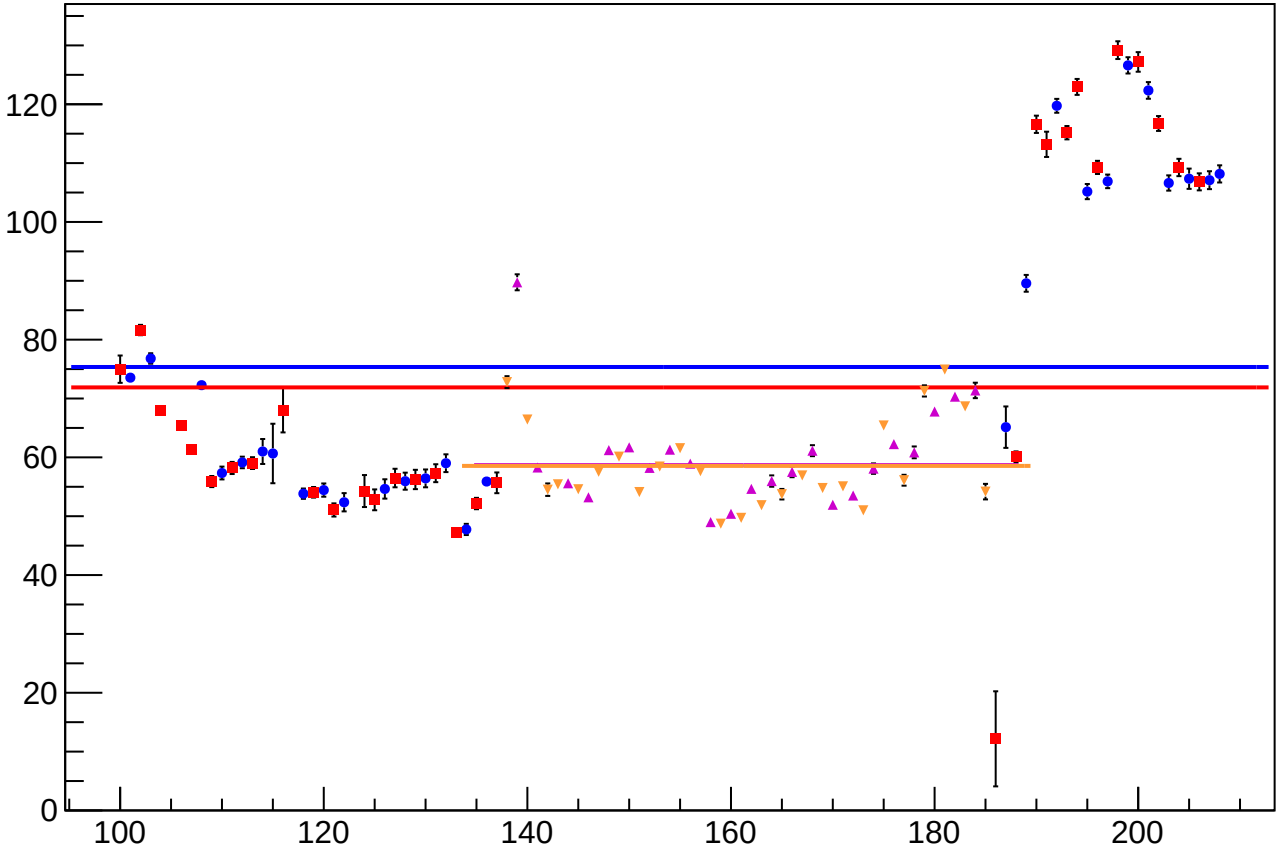
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -6.467+/-0.145 χ^2/NDF: 5841.3/51

All: -5.796+/-0.101 χ^2/NDF: 11676.5/105

- sign -5.177+/-0.140 χ^2/NDF: 5794.2/53

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 75.356+/-0.225 χ^2/NDF: 10943.4/26

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 71.887+/-0.208 χ^2/NDF: 14651.1/30

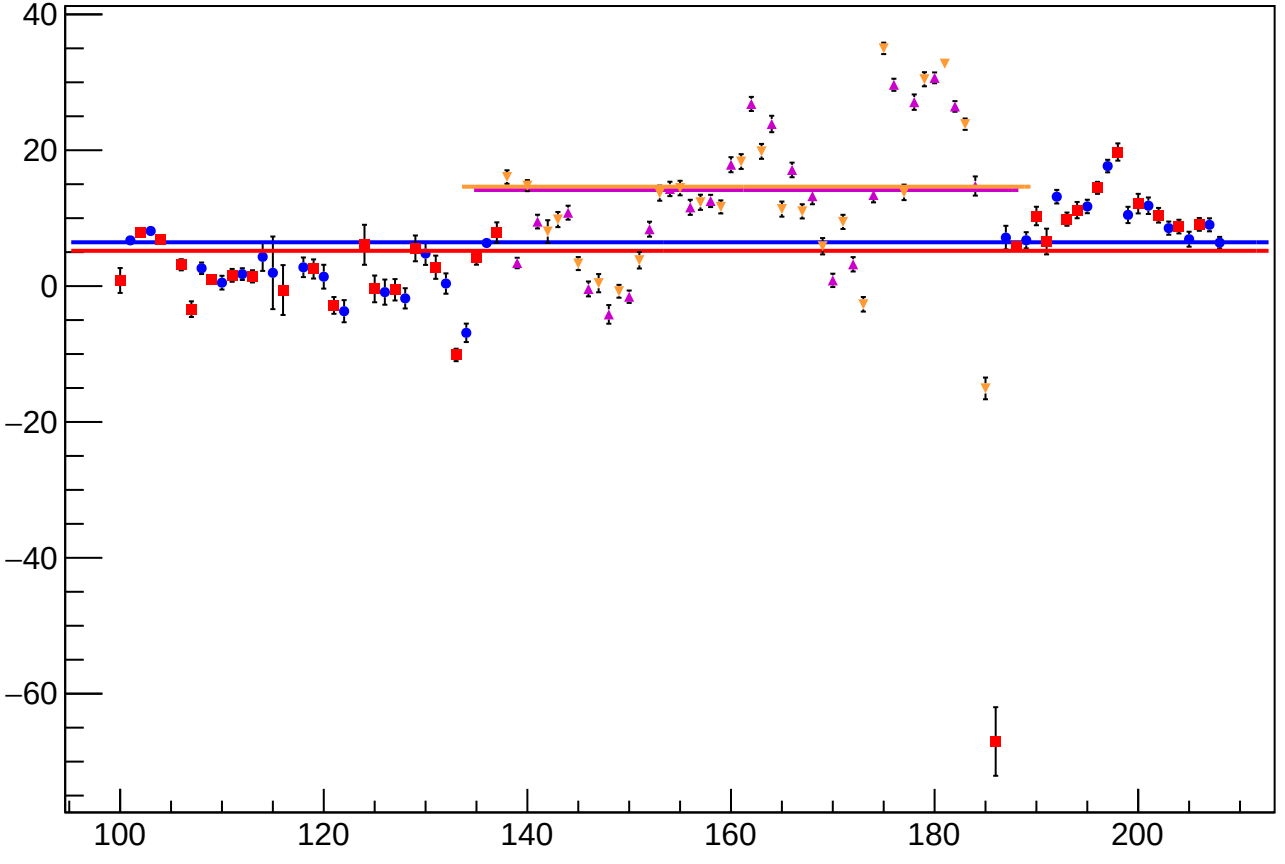
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 64.238+/-0.131 χ^2/NDF: 16525.7/51

All: 64.075+/-0.093 χ^2/NDF: 35232.0/105

- sign 63.913+/-0.131 χ^2/NDF: 18703.2/53

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.452+/-0.203 χ^2/NDF: 569.5/26

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.196+/-0.188 χ^2/NDF: 1100.2/30

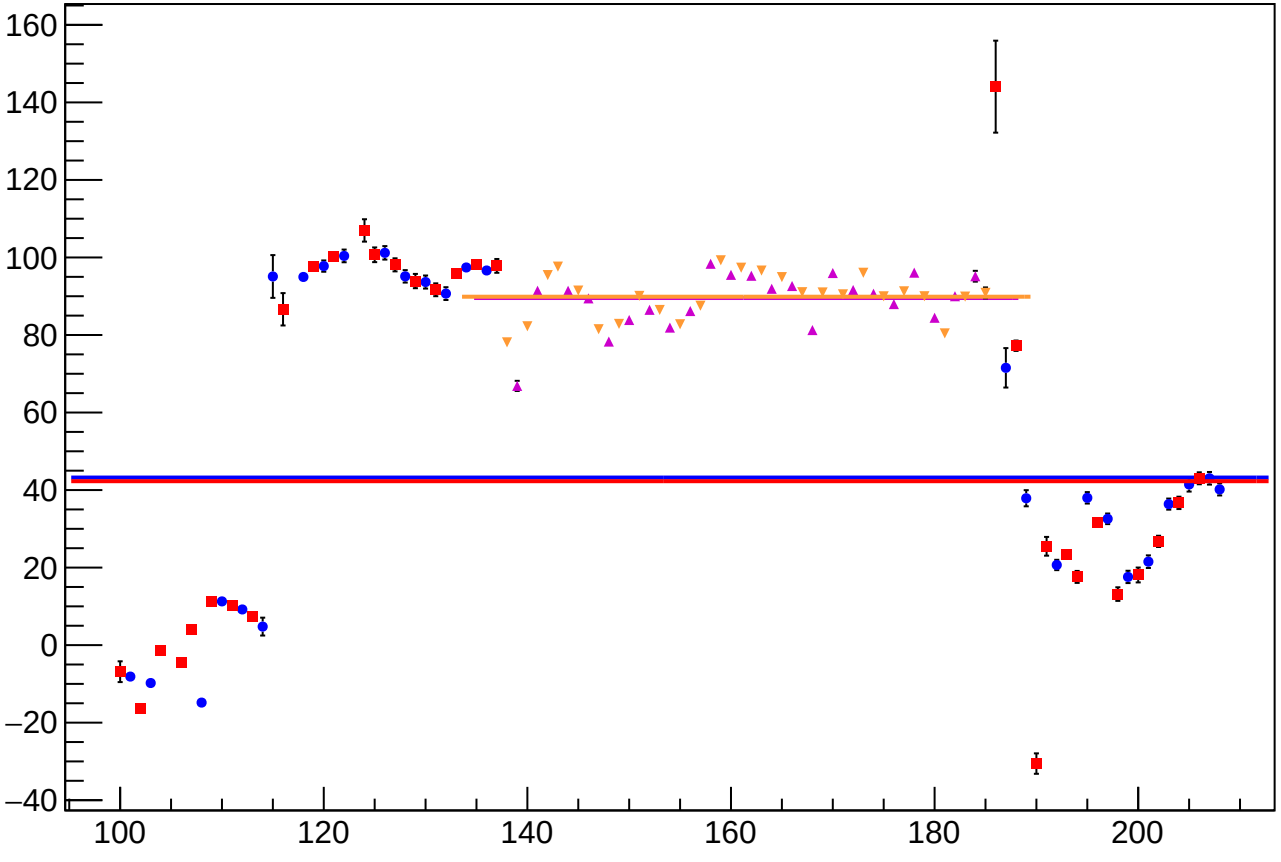
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.478+/-0.145 χ^2/NDF: 4327.5/51

All: 9.788+/-0.101 χ^2/NDF: 9016.0/105

- sign 9.142+/-0.140 χ^2/NDF: 4644.6/53

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.227+/-0.261 χ^2/NDF: 27935.9/26

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.286+/-0.244 χ^2/NDF: 31737.3/30

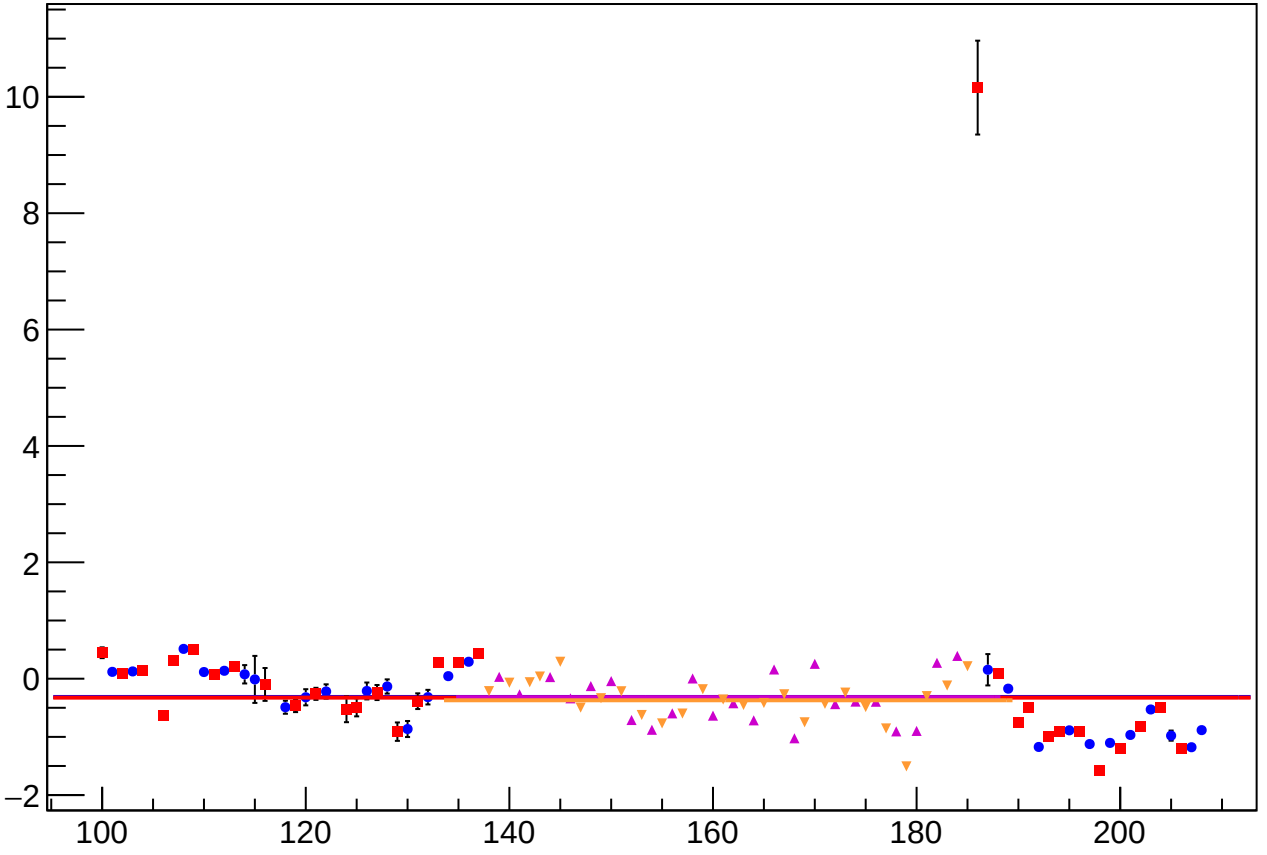
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 74.703+/-0.149 χ^2/NDF: 50599.6/51

All: 73.364+/-0.105 χ^2/NDF: 107132.5/105

- sign 72.024+/-0.149 χ^2/NDF: 56370.8/53

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.314+/-0.011 χ^2/NDF: 3255.2/26

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.325+/-0.010 χ^2/NDF: 3684.8/30

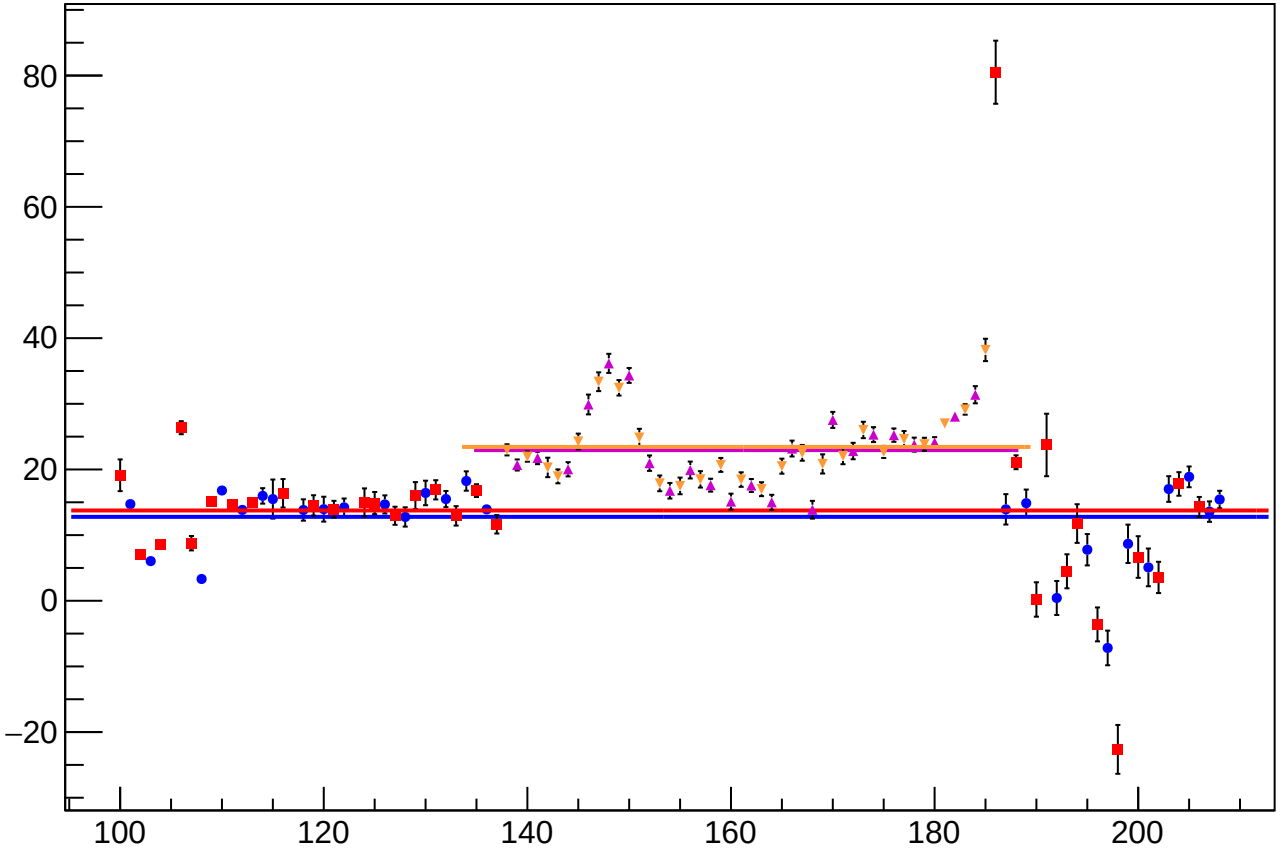
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.350+/-0.006 χ^2/NDF: 5042.8/51

All: -0.336+/-0.004 χ^2/NDF: 11178.8/105

- sign -0.322+/-0.006 χ^2/NDF: 6126.2/53

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.785+/-0.202 χ^2/NDF: 506.6/26

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.753+/-0.194 χ^2/NDF: 858.6/30

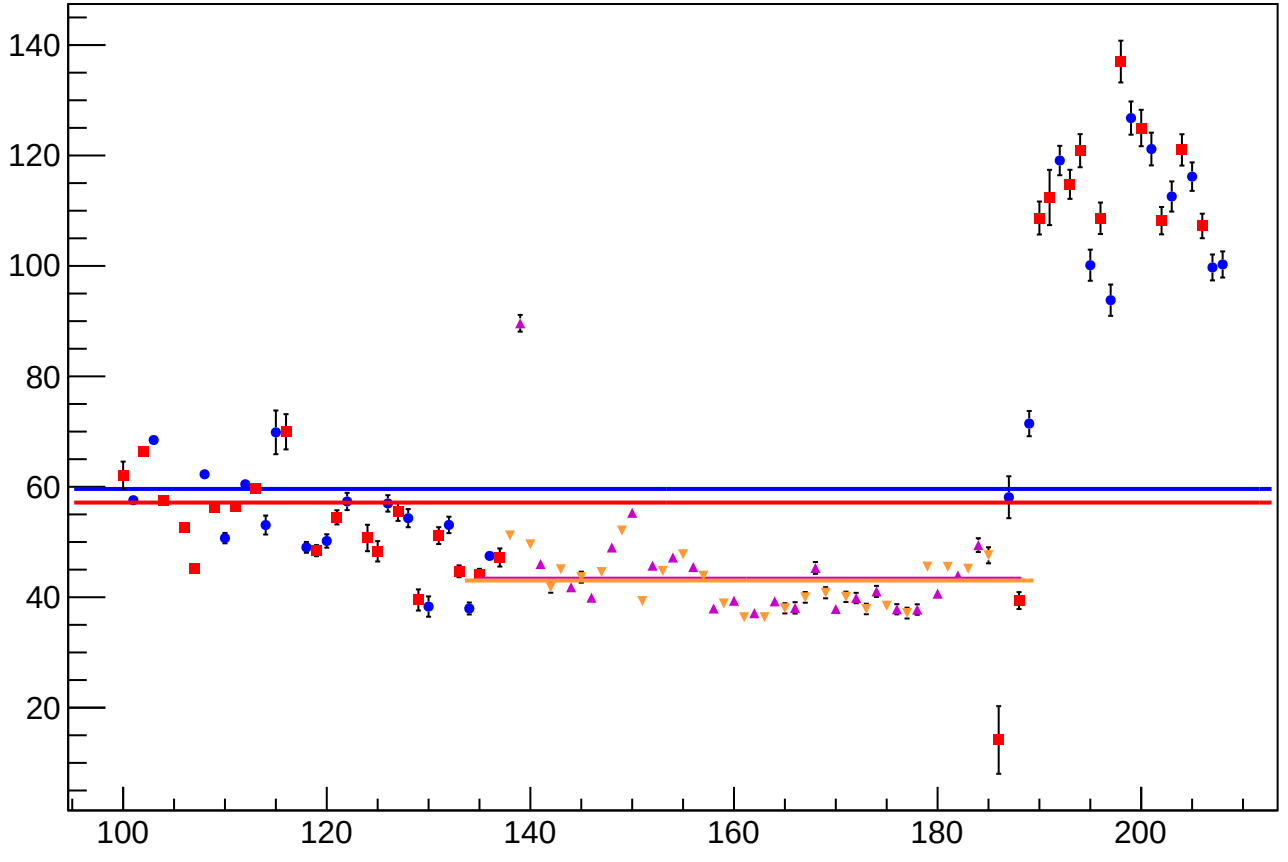
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.746+/-0.147 χ^2/NDF: 2233.5/51

All: 17.704+/-0.104 χ^2/NDF: 4614.9/105

- sign 17.661+/-0.147 χ^2/NDF: 2381.2/53

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 59.613+/-0.214 χ^2/NDF: 4546.9/26

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 57.144+/-0.216 χ^2/NDF: 5353.8/30

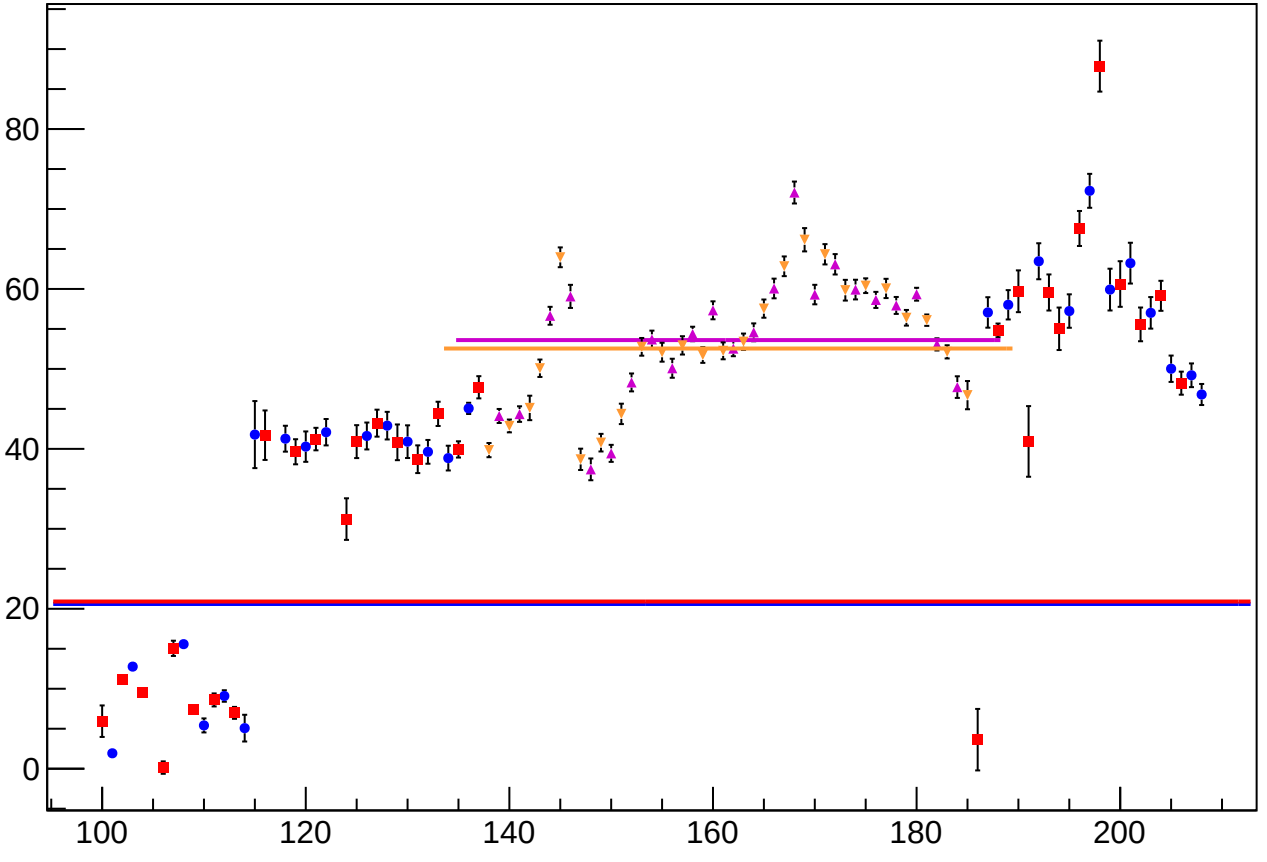
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 49.321+/-0.132 χ^2/NDF: 9056.3/51

All: 49.121+/-0.095 χ^2/NDF: 18535.8/105

- sign 48.906+/-0.137 χ^2/NDF: 9474.7/53

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 20.601+/-0.200 χ^2/NDF: 9707.5/26

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 20.909+/-0.203 χ^2/NDF: 8962.6/30

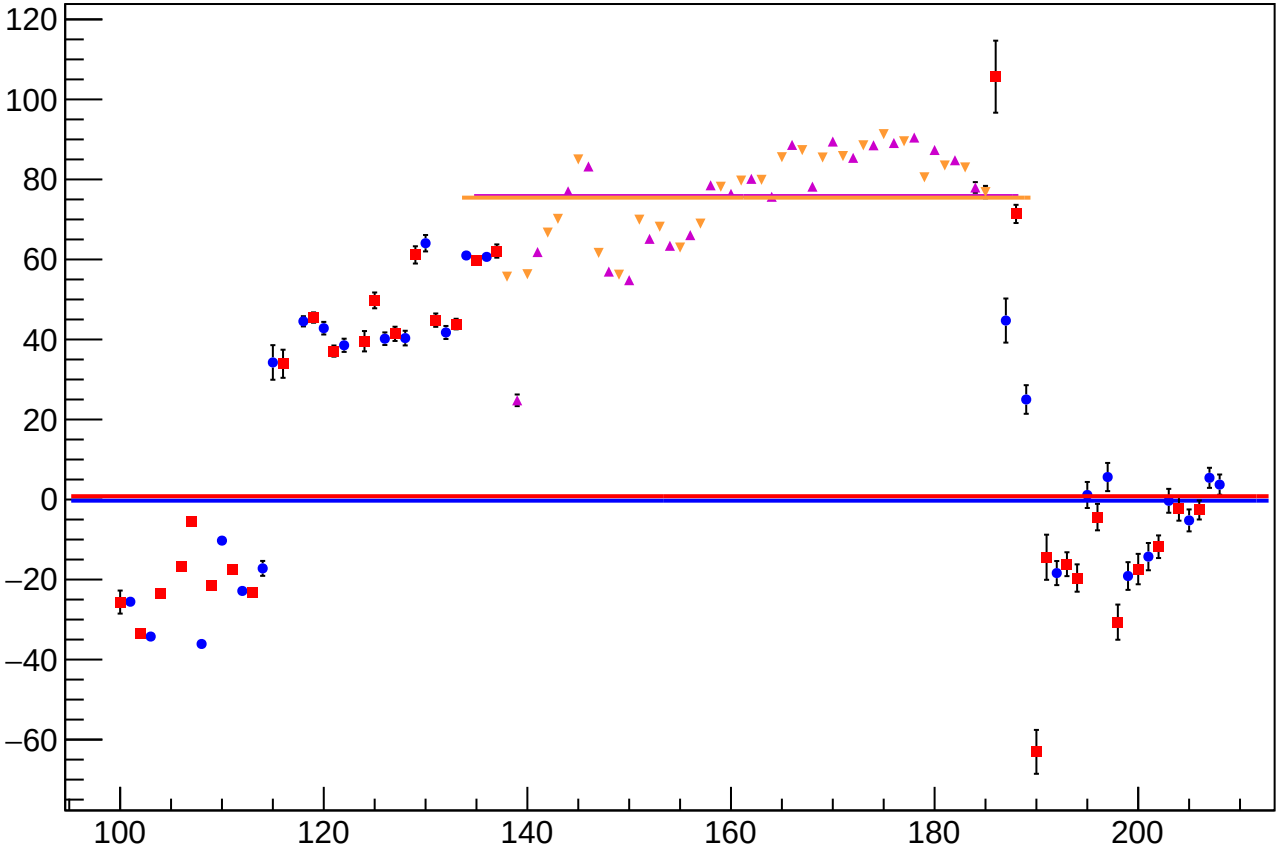
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 35.448+/-0.146 χ^2/NDF: 22759.6/51

All: 35.595+/-0.105 χ^2/NDF: 44490.5/105

- sign 35.749+/-0.150 χ^2/NDF: 21728.8/53

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.284+/-0.252 χ^2/NDF: 21244.1/26

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.829+/-0.254 χ^2/NDF: 17440.6/30

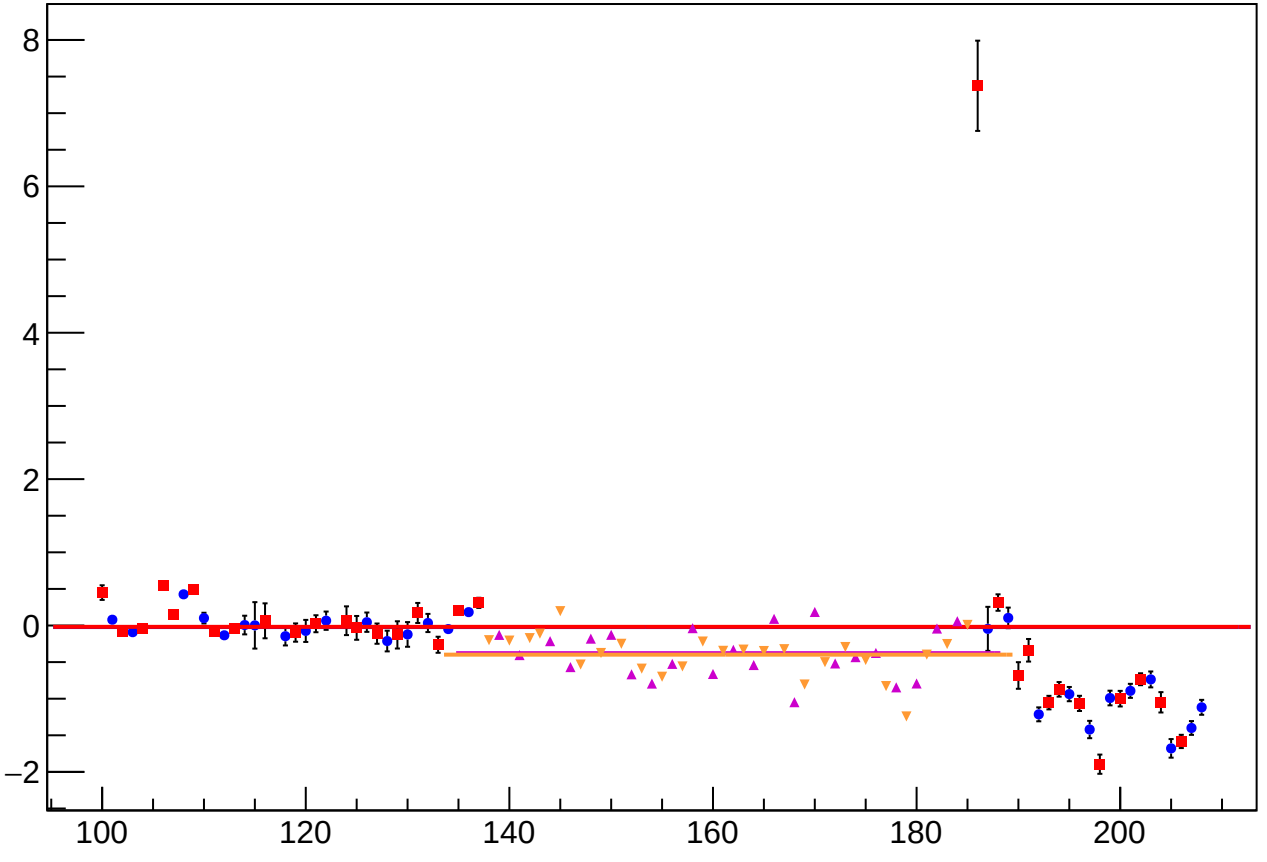
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 48.290+/-0.151 χ^2/NDF: 82694.5/51

All: 47.977+/-0.108 χ^2/NDF: 158776.9/105

- sign 47.644+/-0.156 χ^2/NDF: 76073.6/53

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 1515.2/26

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: -0.018+/-0.011 χ^2/NDF: 1681.2/30

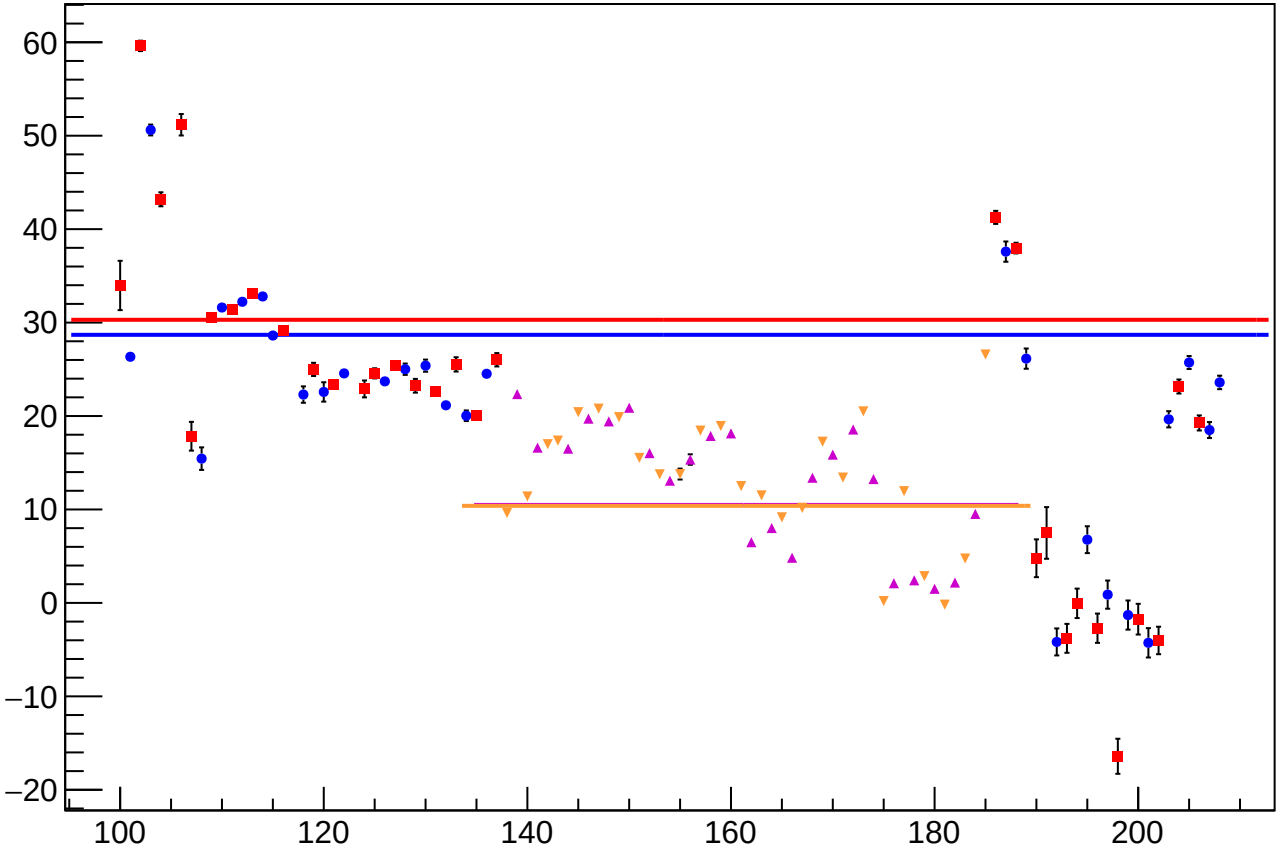
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.253+/-0.007 χ^2/NDF: 3321.6/51

All: -0.245+/-0.005 χ^2/NDF: 7037.5/105

- sign -0.238+/-0.007 χ^2/NDF: 3713.3/53

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 28.690+/-0.088 χ^2/NDF: 5748.6/26

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.299+/-0.077 χ^2/NDF: 8890.9/30

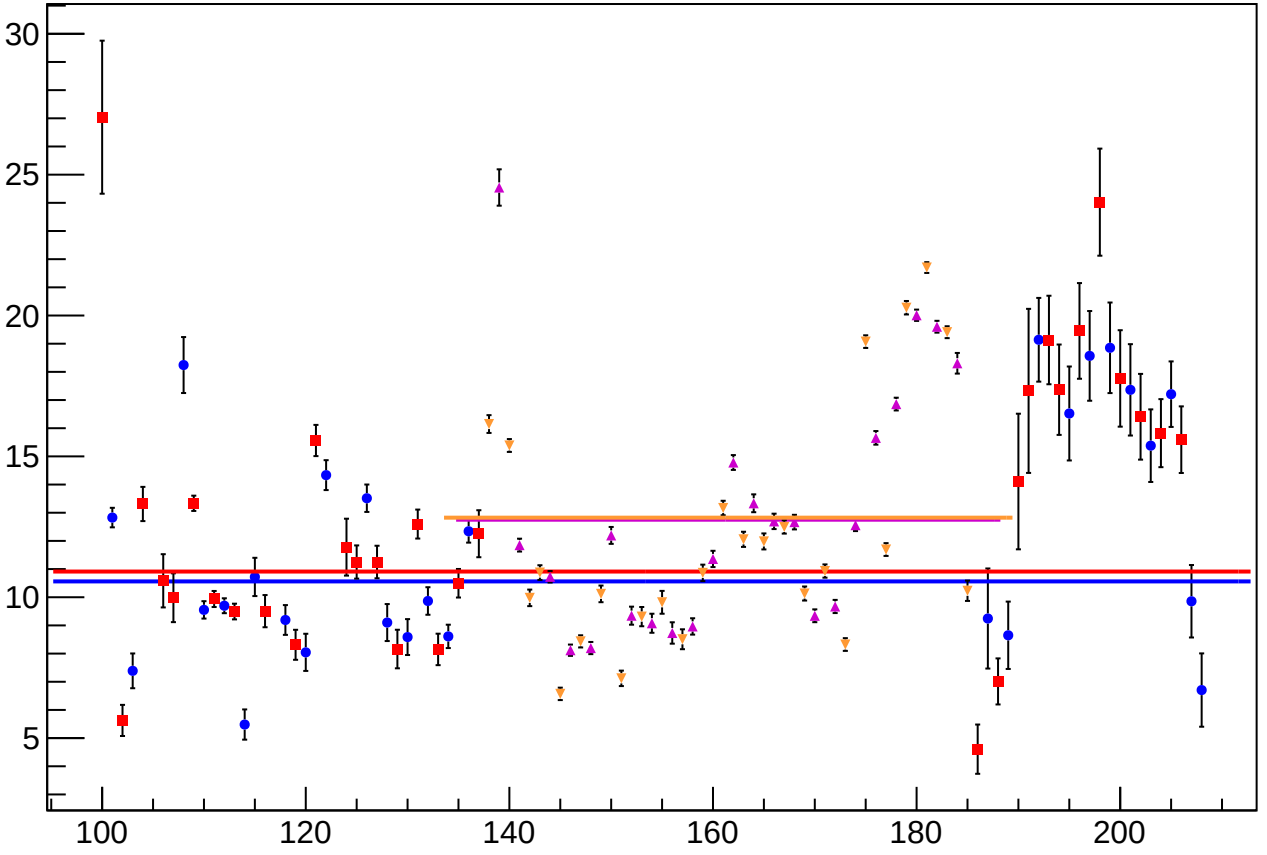
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.729+/-0.052 χ^2/NDF: 47752.4/51

All: 17.862+/-0.036 χ^2/NDF: 106611.7/105

- sign 18.940+/-0.051 χ^2/NDF: 57927.5/53

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.562+/-0.110 χ^2/NDF: 581.4/26

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.912+/-0.108 χ^2/NDF: 676.5/30

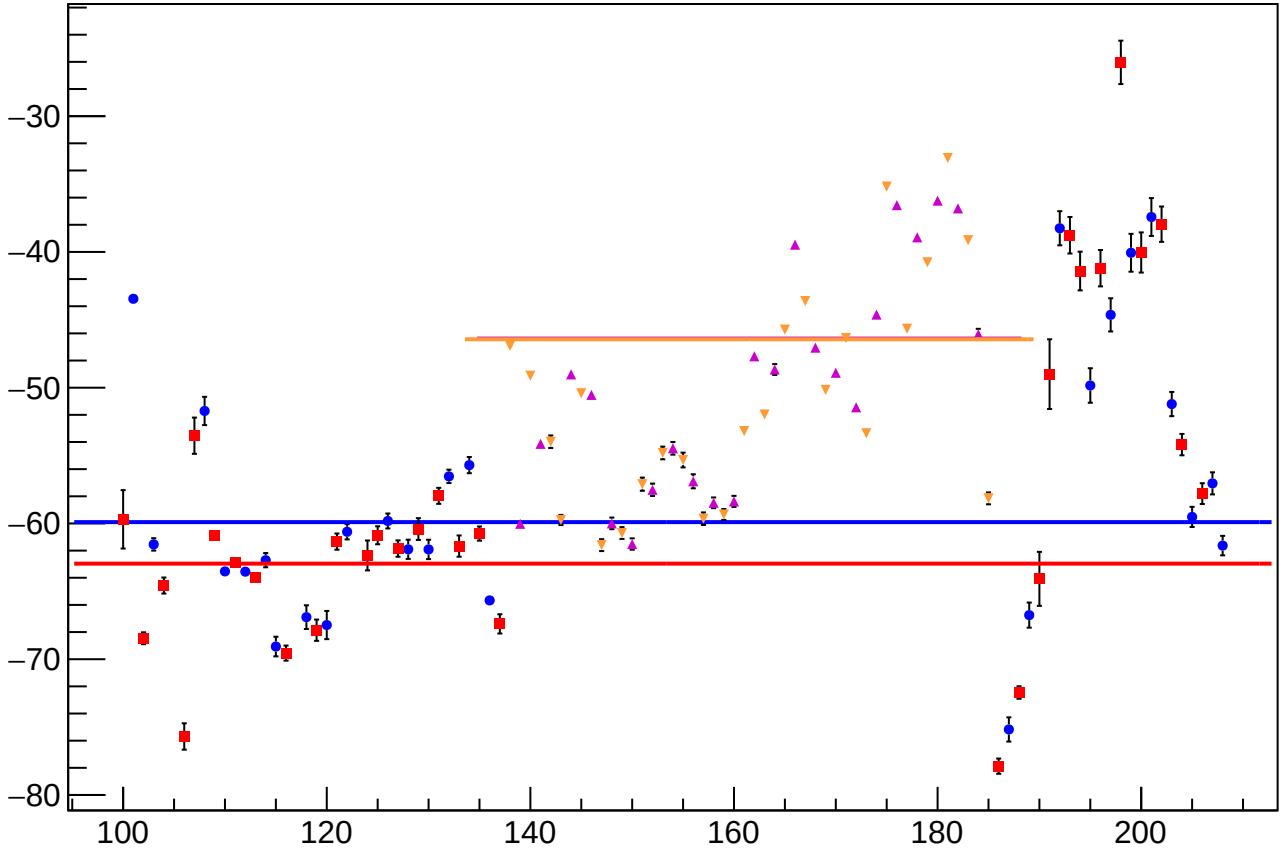
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.424+/-0.046 χ^2/NDF: 8945.6/51

All: 12.411+/-0.033 χ^2/NDF: 15357.5/105

- sign 12.398+/-0.048 χ^2/NDF: 6411.8/53

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -59.902+/-0.105 χ^2/NDF: 5054.3/26

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -62.959+/-0.099 χ^2/NDF: 4131.0/30

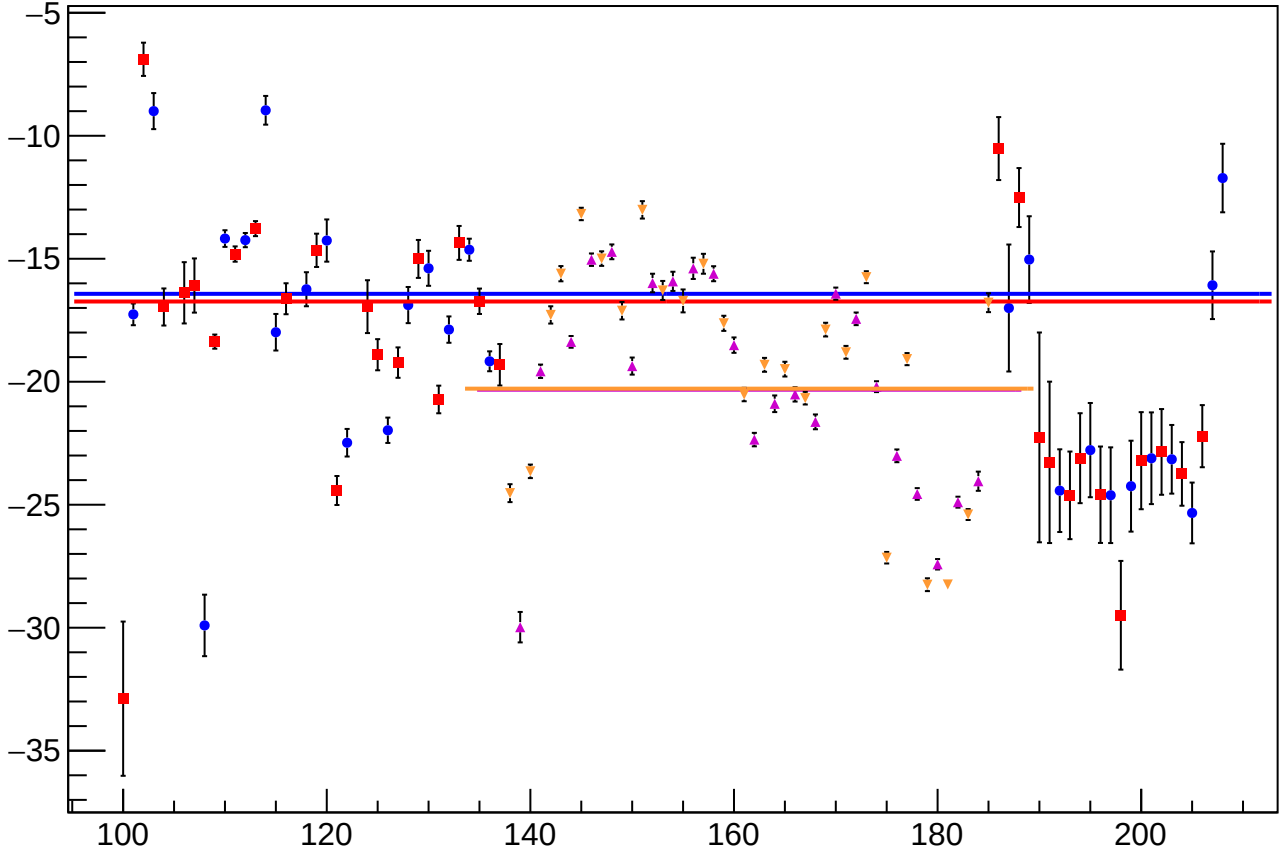
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -50.104+/-0.055 χ^2/NDF: 35127.5/51

All: -50.822+/-0.039 χ^2/NDF: 73887.0/105

- sign -51.552+/-0.055 χ^2/NDF: 38415.0/53

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.426+/-0.123 χ^2/NDF: 971.4/26

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.738+/-0.121 χ^2/NDF: 882.0/30

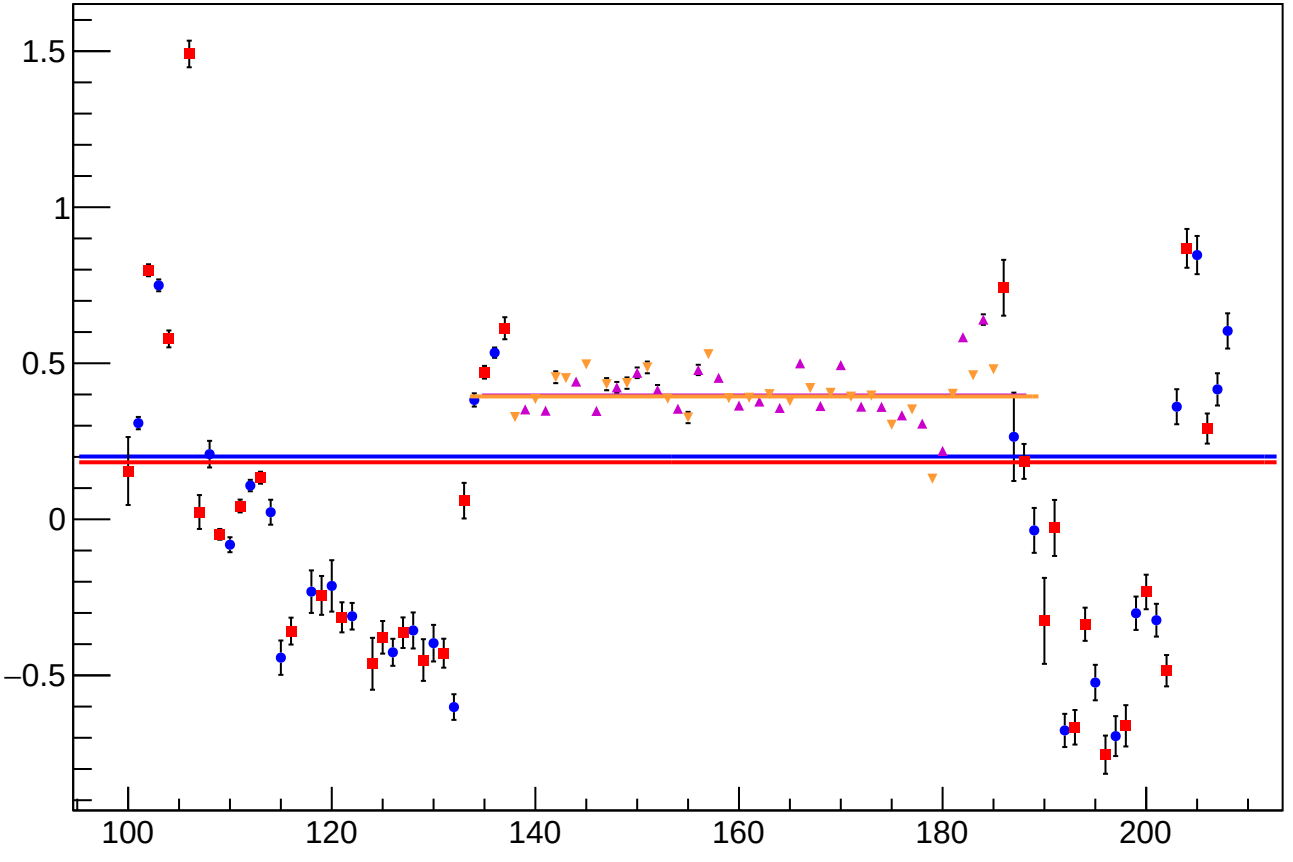
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.599+/-0.052 χ^2/NDF: 8798.2/51

All: -19.614+/-0.037 χ^2/NDF: 14666.0/105

- sign -19.630+/-0.053 χ^2/NDF: 5867.6/53

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.201+/-0.007 χ^2/NDF: 3676.4/26

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.183+/-0.007 χ^2/NDF: 4797.1/30

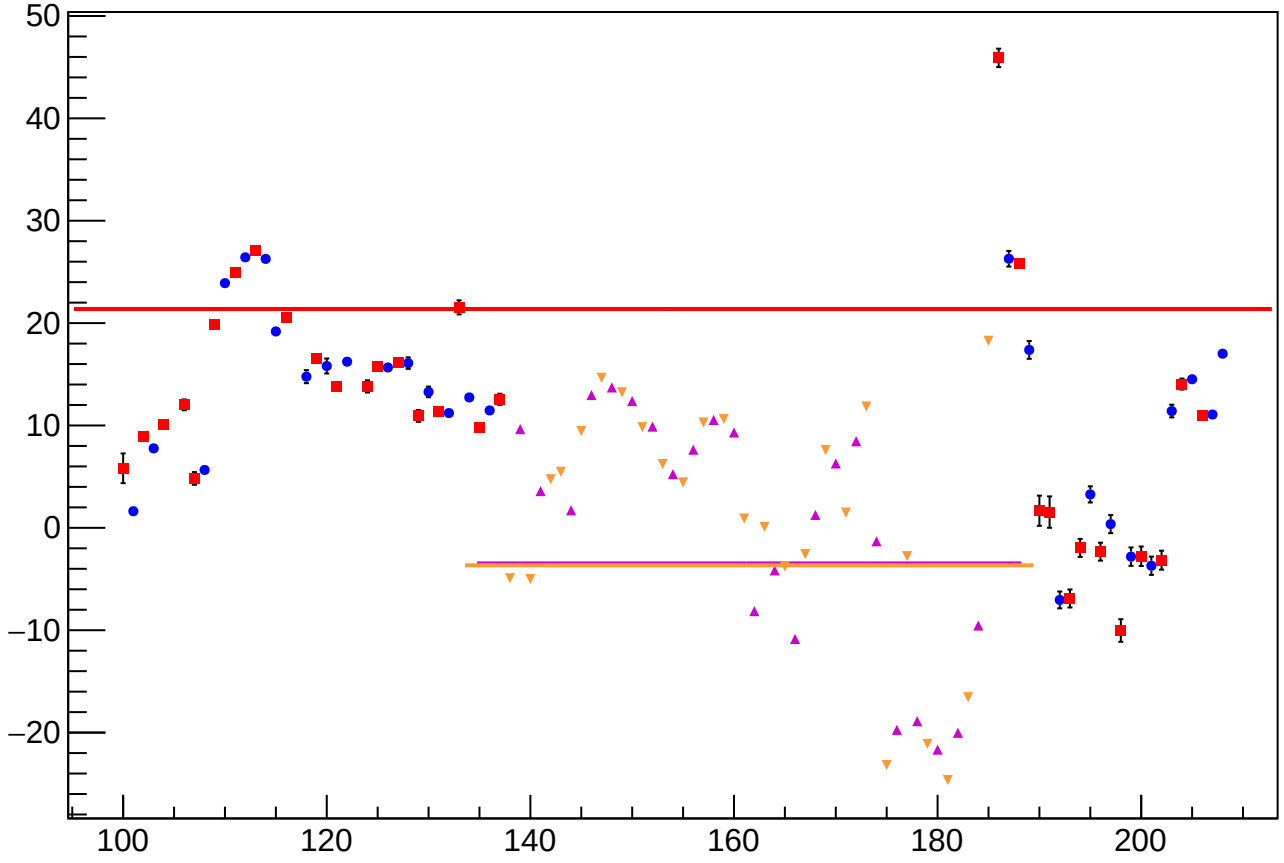
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.368+/-0.002 χ^2/NDF: 5369.2/51

All: 0.368+/-0.002 χ^2/NDF: 12373.5/105

- sign 0.367+/-0.002 χ^2/NDF: 7004.2/53

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 21.379+/-0.054 χ^2/NDF: 17690.8/26

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.375+/-0.045 χ^2/NDF: 17446.8/30

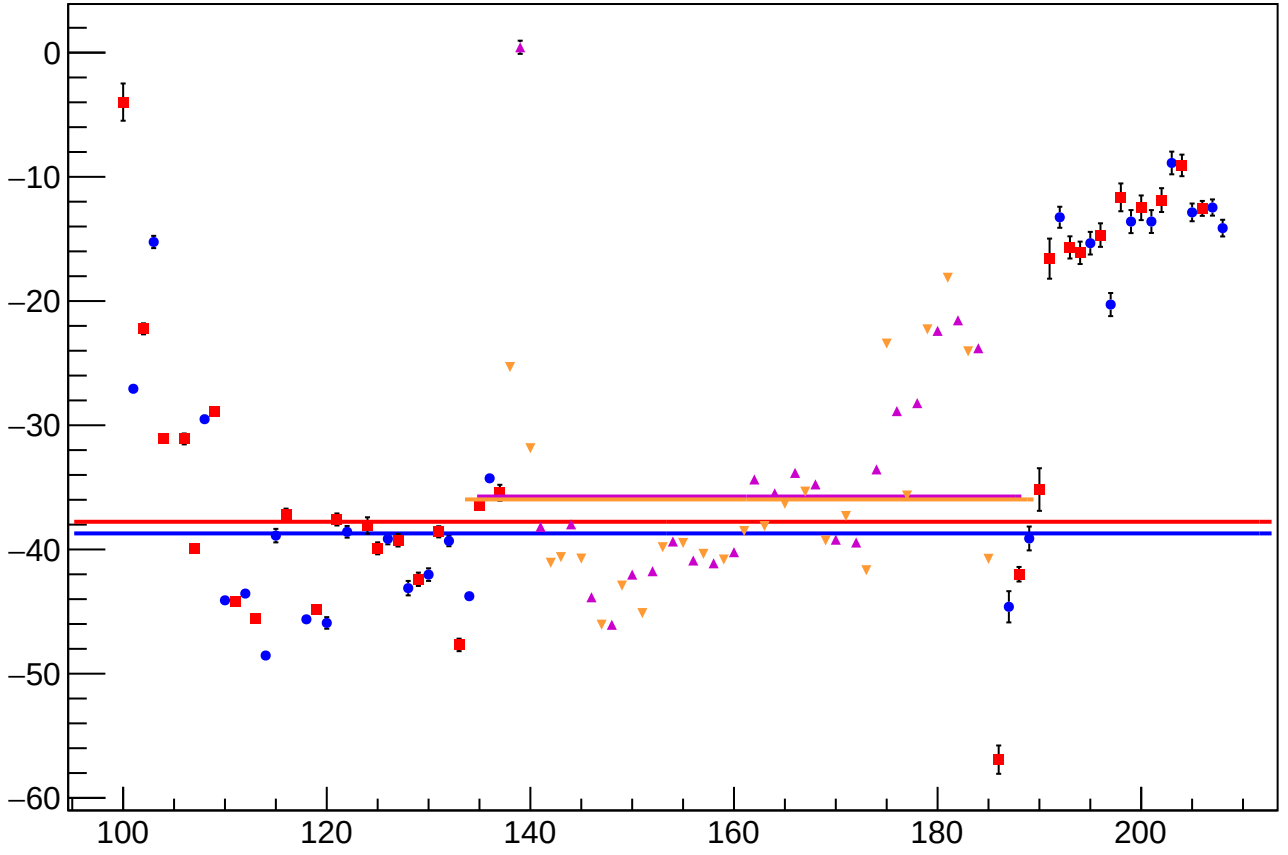
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.980+/-0.038 χ^2/NDF: 180843.7/51

All: 10.548+/-0.026 χ^2/NDF: 362297.2/105

- sign 11.887+/-0.035 χ^2/NDF: 178359.9/53

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -38.707+/-0.073 χ^2/NDF: 17250.1/26

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -37.770+/-0.068 χ^2/NDF: 17474.1/30

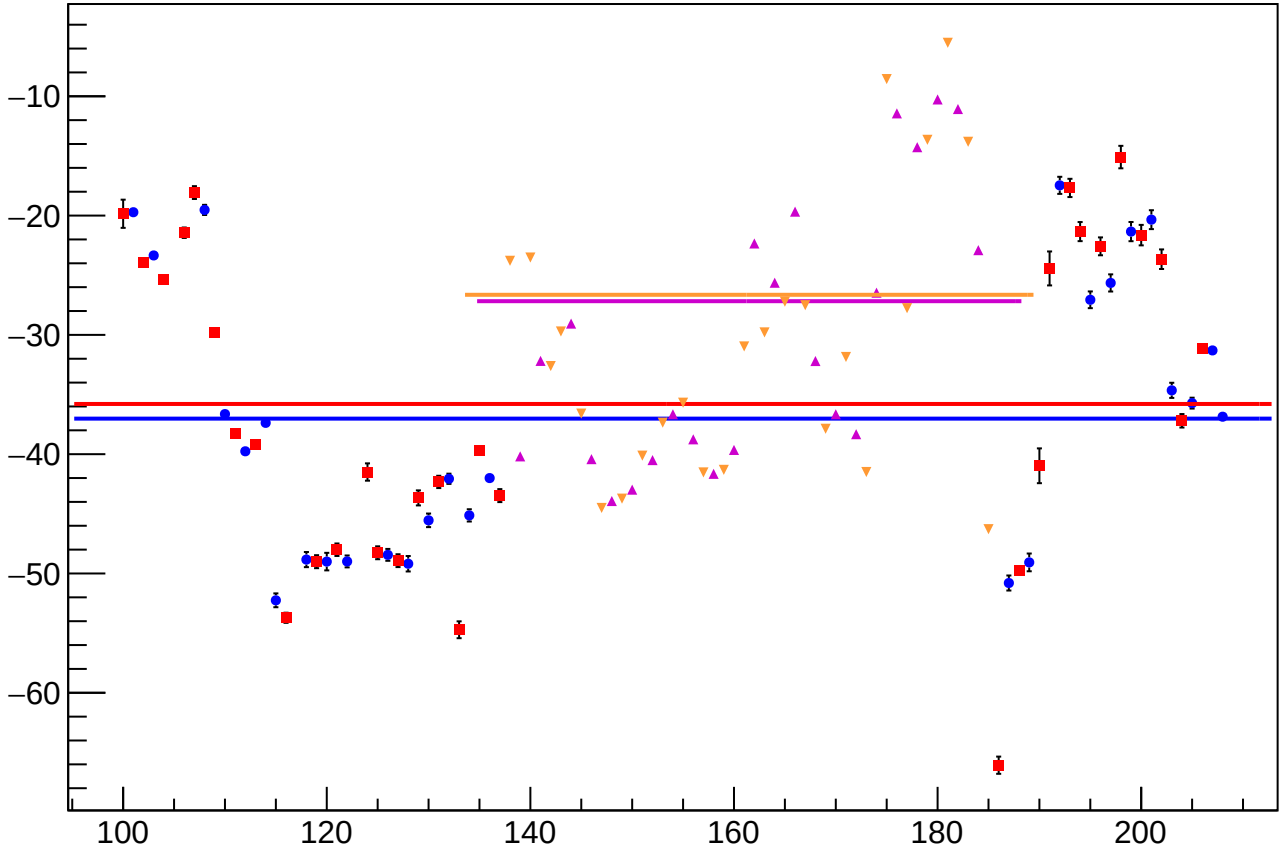
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.660+/-0.037 χ^2/NDF: 51903.3/51

All: -36.508+/-0.026 χ^2/NDF: 97182.8/105

- sign -36.349+/-0.038 χ^2/NDF: 45244.5/53

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.020+/-0.068 χ^2/NDF: 13908.9/26

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.791+/-0.061 χ^2/NDF: 19213.9/30

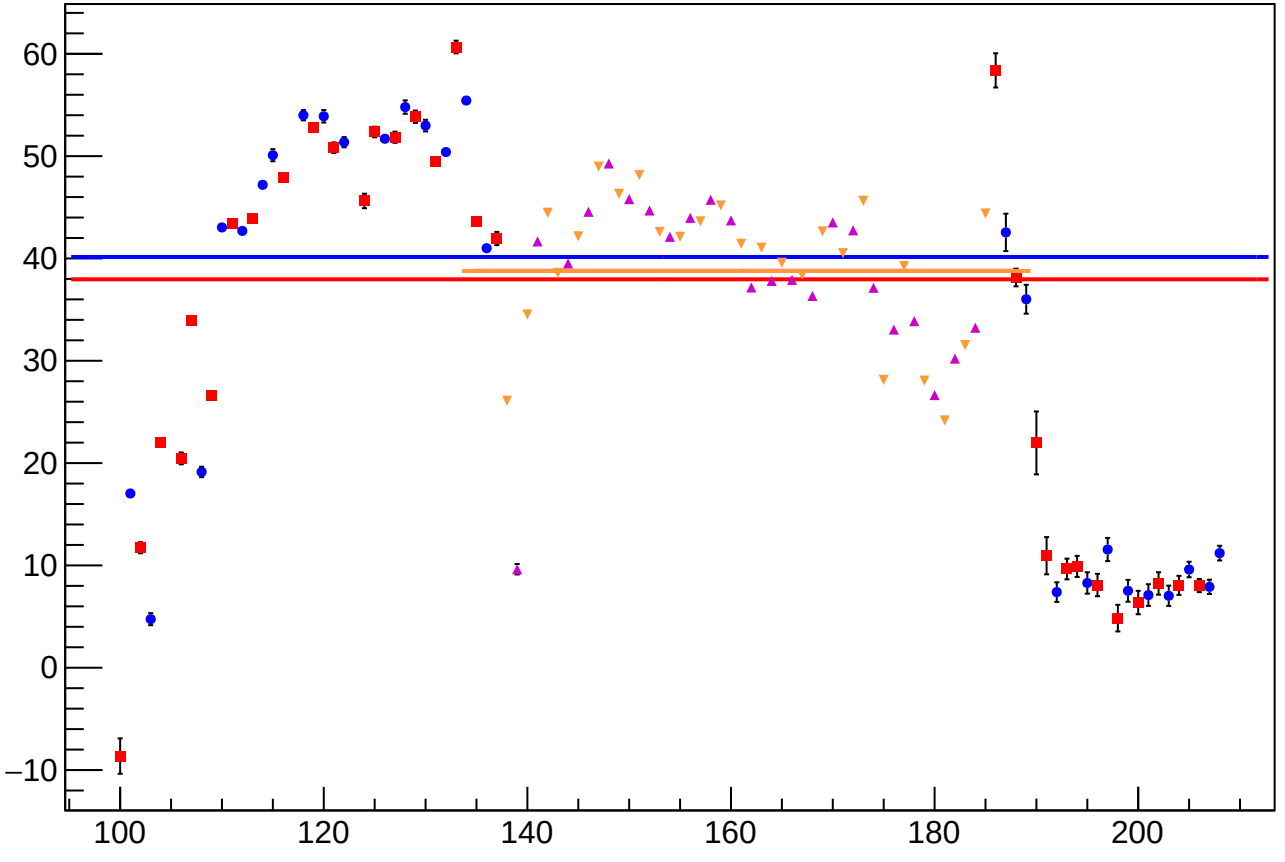
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.723+/-0.043 χ^2/NDF: 78188.3/51

All: -30.986+/-0.030 χ^2/NDF: 149153.1/105

- sign -31.238+/-0.042 χ^2/NDF: 70889.7/53

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 40.145+/-0.082 χ^2/NDF: 26828.0/26

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 37.961+/-0.076 χ^2/NDF: 26409.5/30

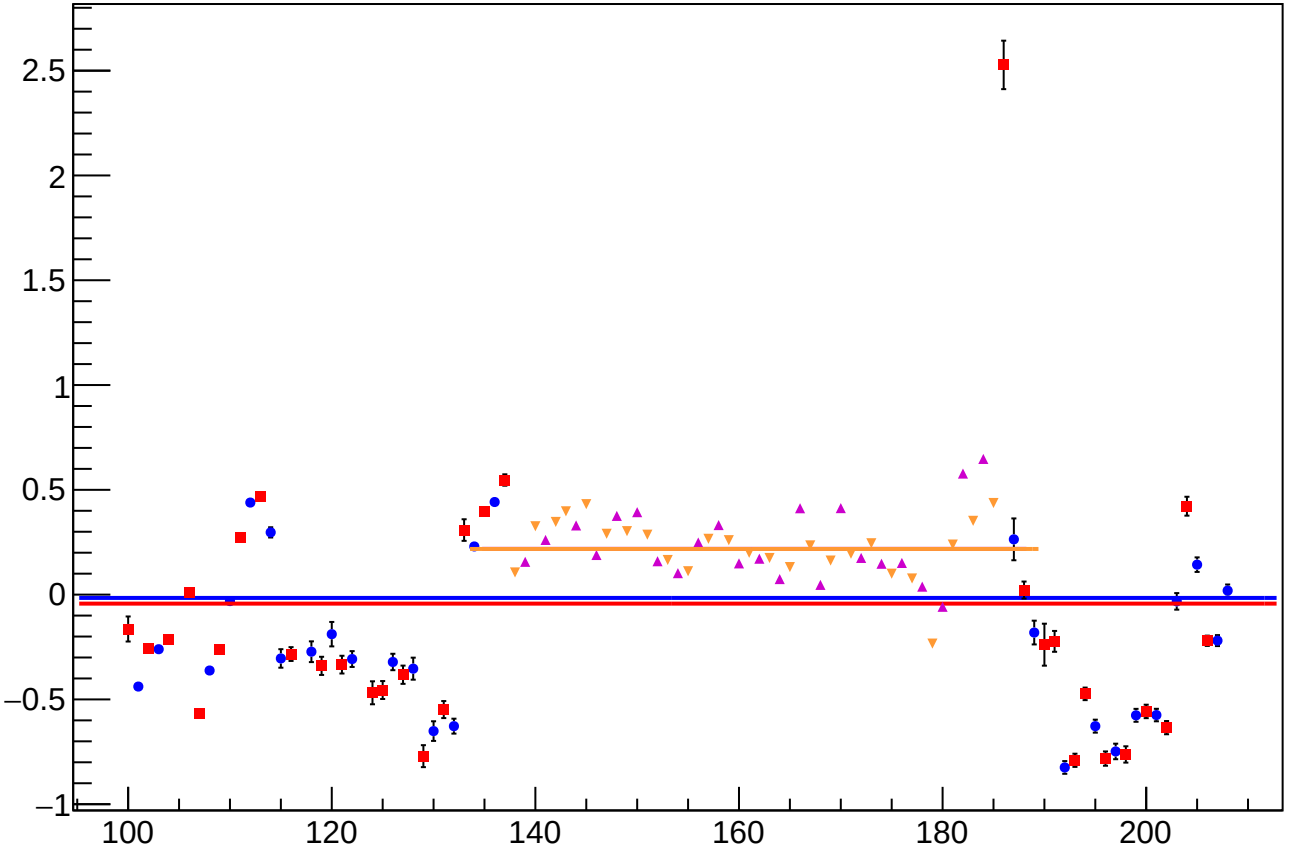
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

\+ sign 39.126+/-0.041 χ^2/NDF: 48108.1/51

All: 38.837+/-0.029 χ^2/NDF: 90942.1/105

\- sign 38.538+/-0.042 χ^2/NDF: 42733.6/53

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.016+/-0.004 χ^2/NDF: 8046.8/26

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.043+/-0.004 χ^2/NDF: 9487.5/30

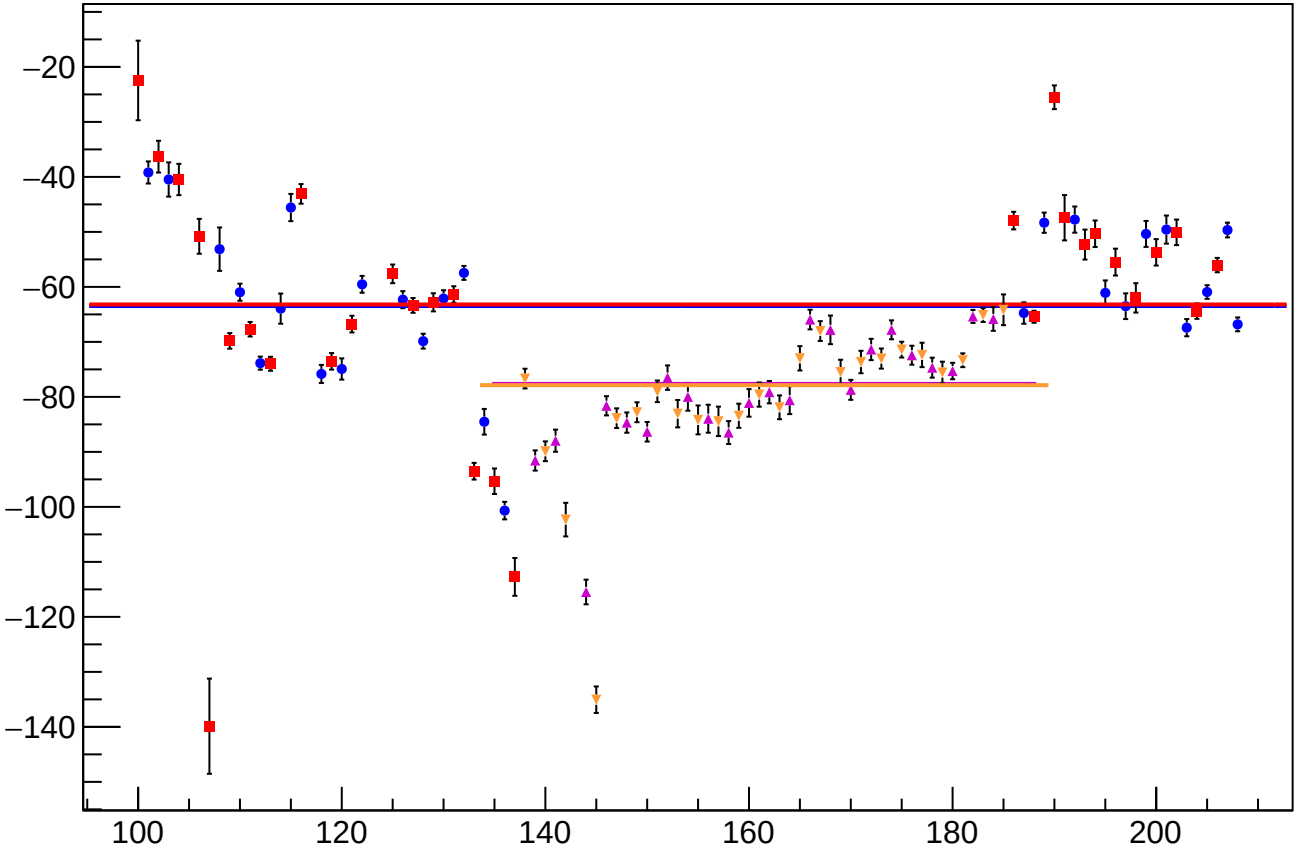
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.173+/-0.002 χ^2/NDF: 14418.2/51

All: 0.165+/-0.001 χ^2/NDF: 32439.5/105

- sign 0.158+/-0.002 χ^2/NDF: 17991.6/53

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -63.477+/-0.330 χ^2/NDF: 1404.7/26

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -63.196+/-0.329 χ^2/NDF: 1921.6/29

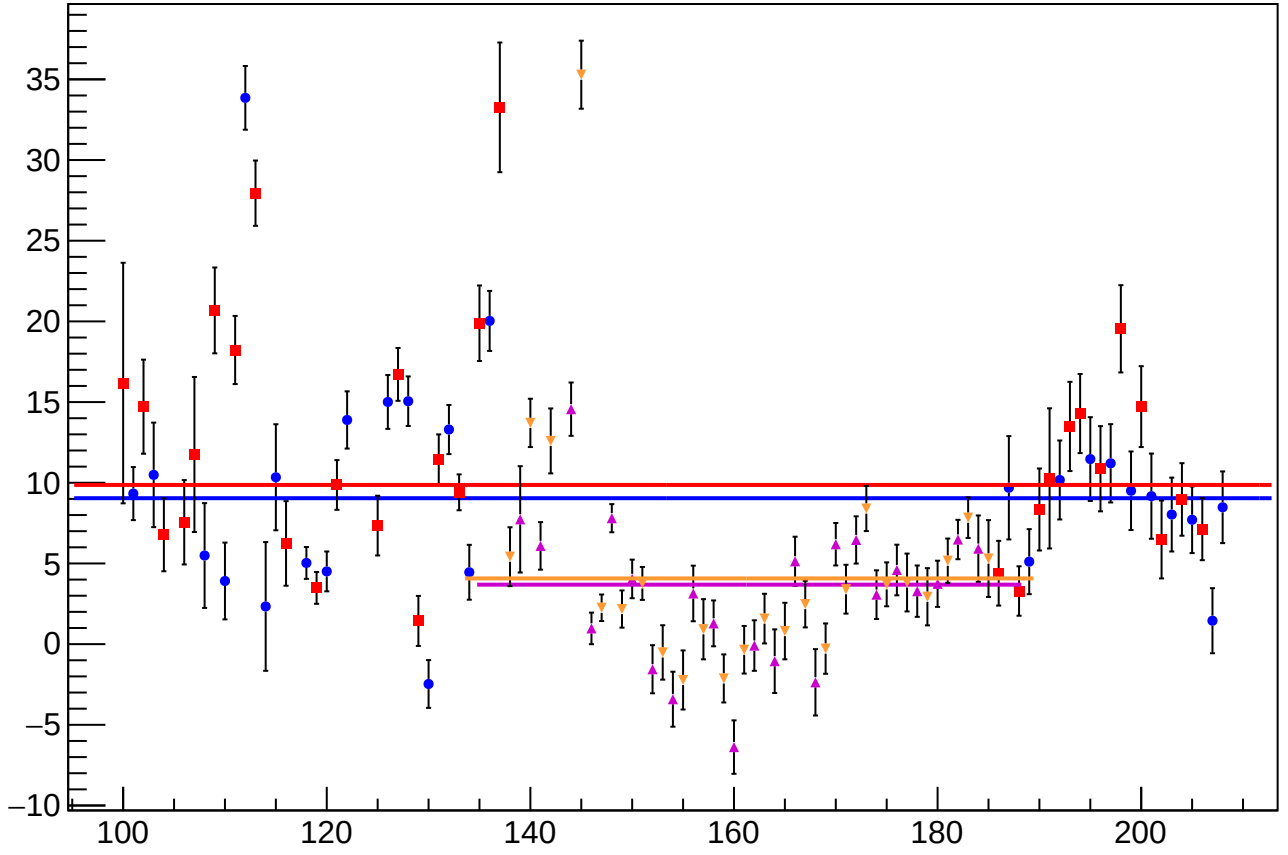
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -69.403+/-0.253 χ^2/NDF: 3121.3/50

All: -69.242+/-0.179 χ^2/NDF: 6524.1/103

- sign -69.081+/-0.253 χ^2/NDF: 3401.9/52

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.043+/-0.366 χ^2/NDF: 363.6/26

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.865+/-0.364 χ^2/NDF: 316.5/29

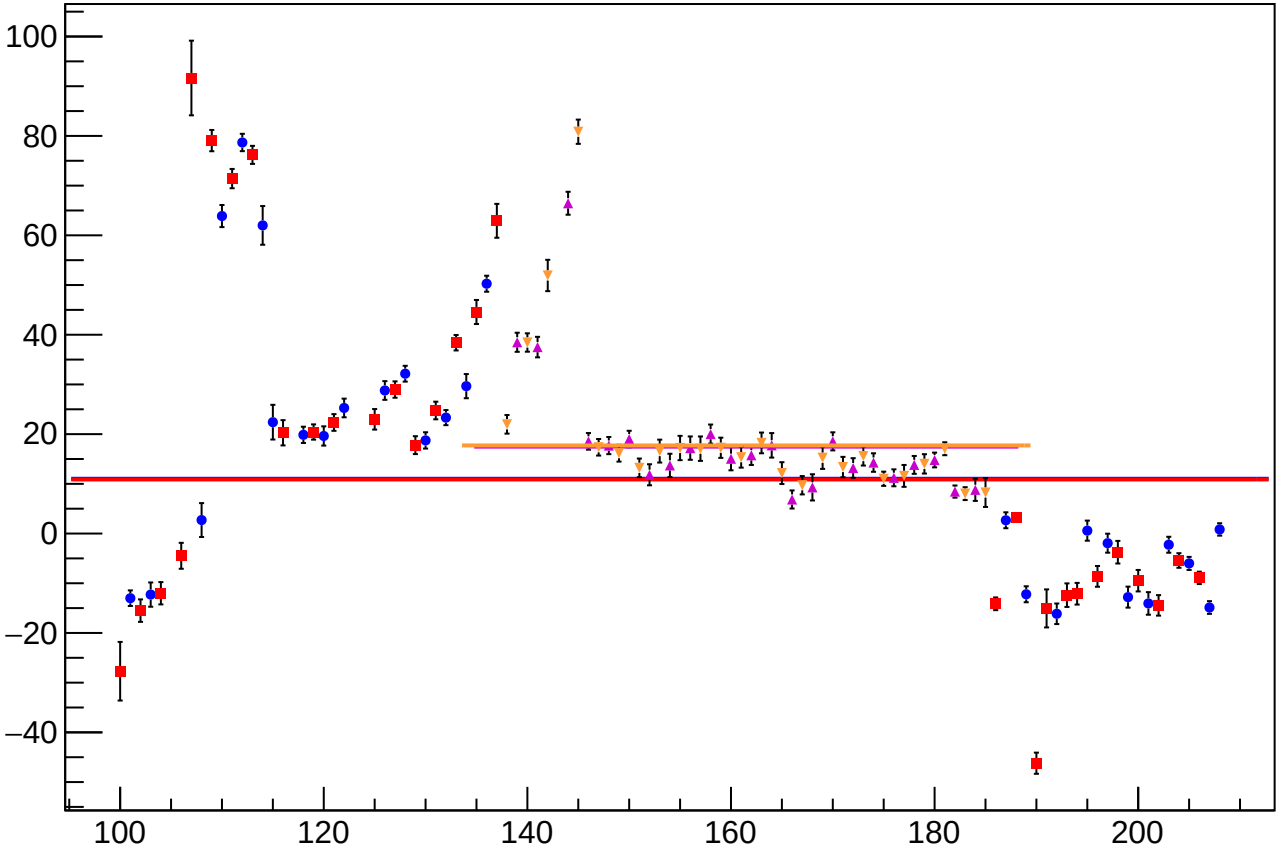
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 6.045+/-0.230 χ^2/NDF: 845.5/50

All: 6.121+/-0.164 χ^2/NDF: 1515.5/103

- sign 6.199+/-0.232 χ^2/NDF: 669.7/52

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 11.017+/-0.344 χ^2/NDF: 5137.4/26

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 10.884+/-0.338 χ^2/NDF: 6953.9/29

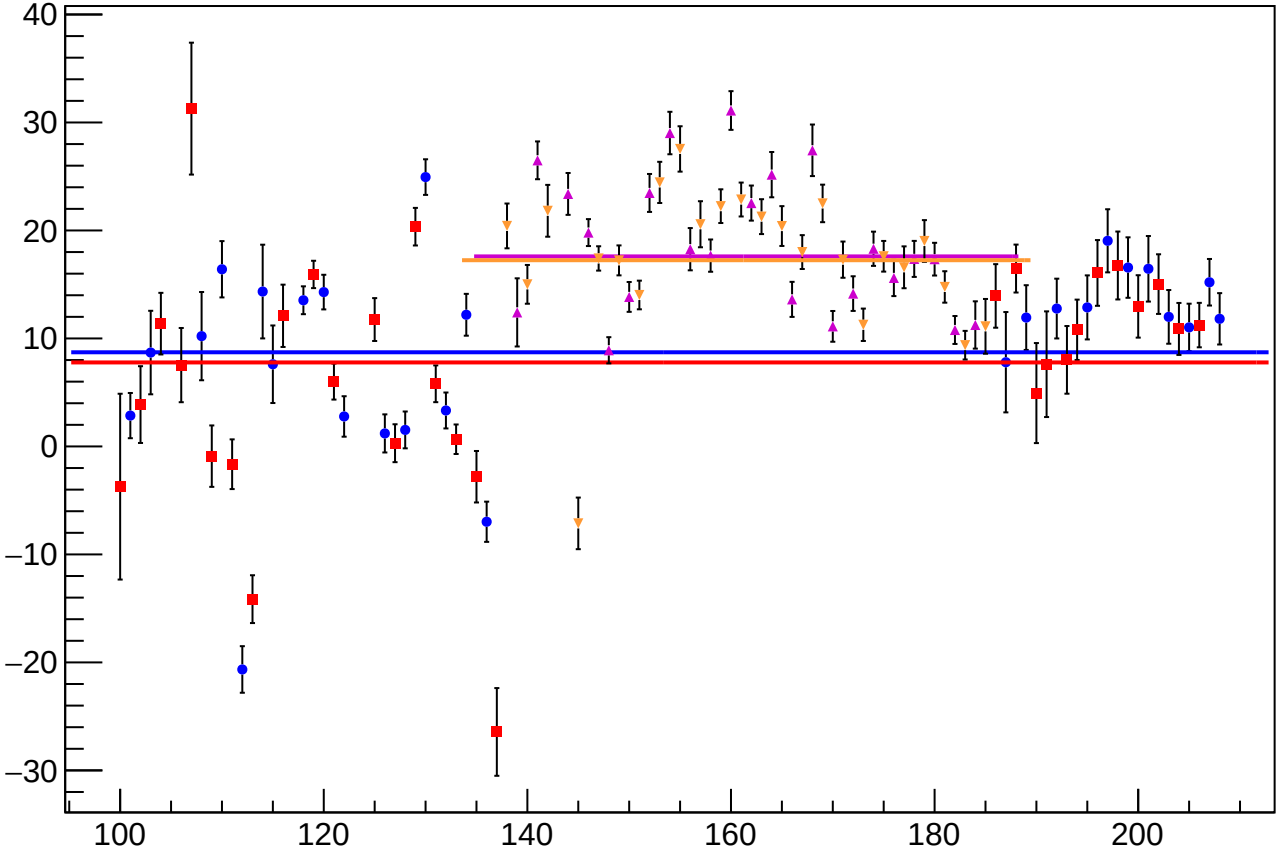
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 13.938+/-0.258 χ^2/NDF: 6361.7/50

All: 13.816+/-0.182 χ^2/NDF: 14299.4/103

- sign 13.695+/-0.256 χ^2/NDF: 7937.3/52

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 8.719+/-0.423 χ^2/NDF: 503.2/26

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.778+/-0.427 χ^2/NDF: 433.2/29

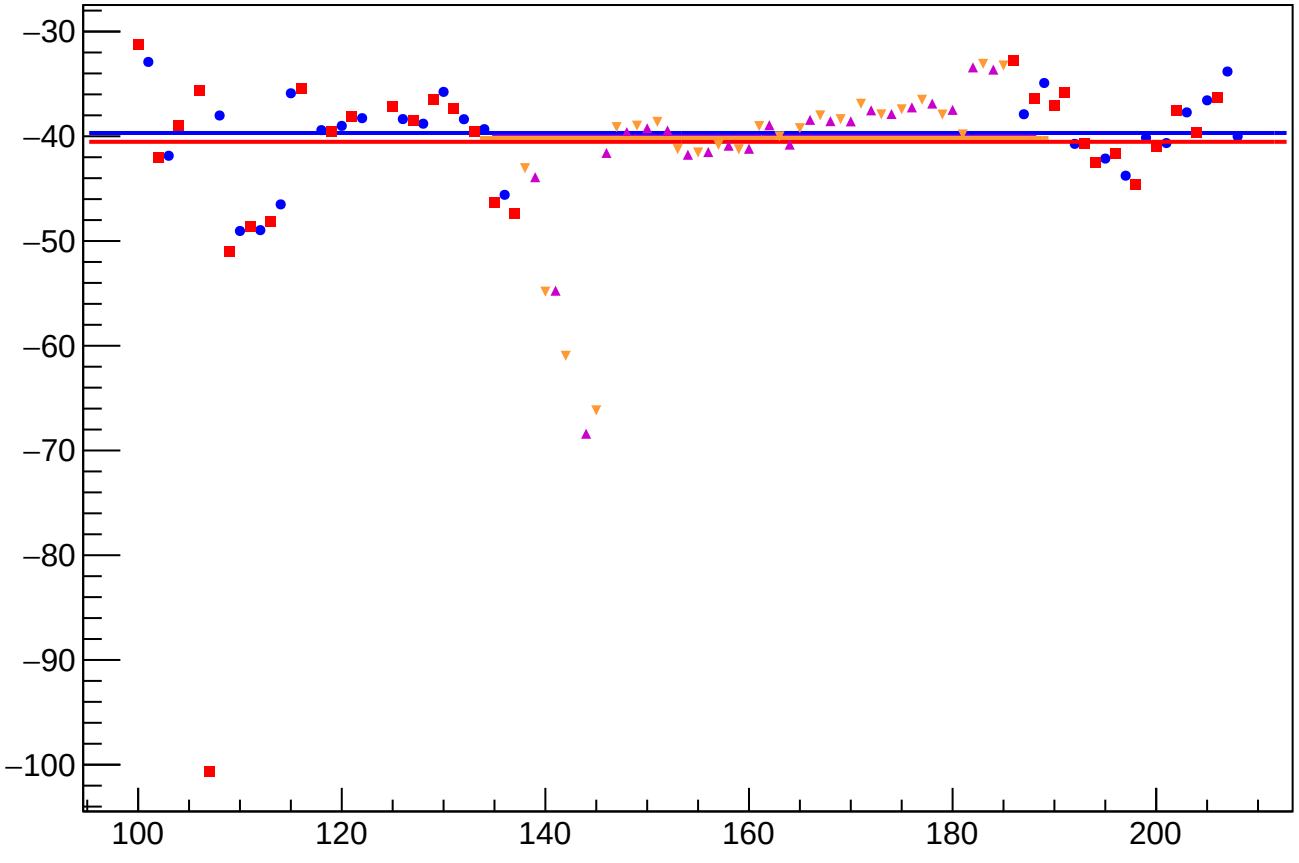
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

\+ sign 13.921+/-0.264 χ^2/NDF: 1011.9/50

All: 13.841+/-0.188 χ^2/NDF: 2076.6/103

\- sign 13.760+/-0.267 χ^2/NDF: 1064.6/52

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.685+/-0.021 χ^2/NDF: 32285.4/26

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.528+/-0.021 χ^2/NDF: 72572.7/29

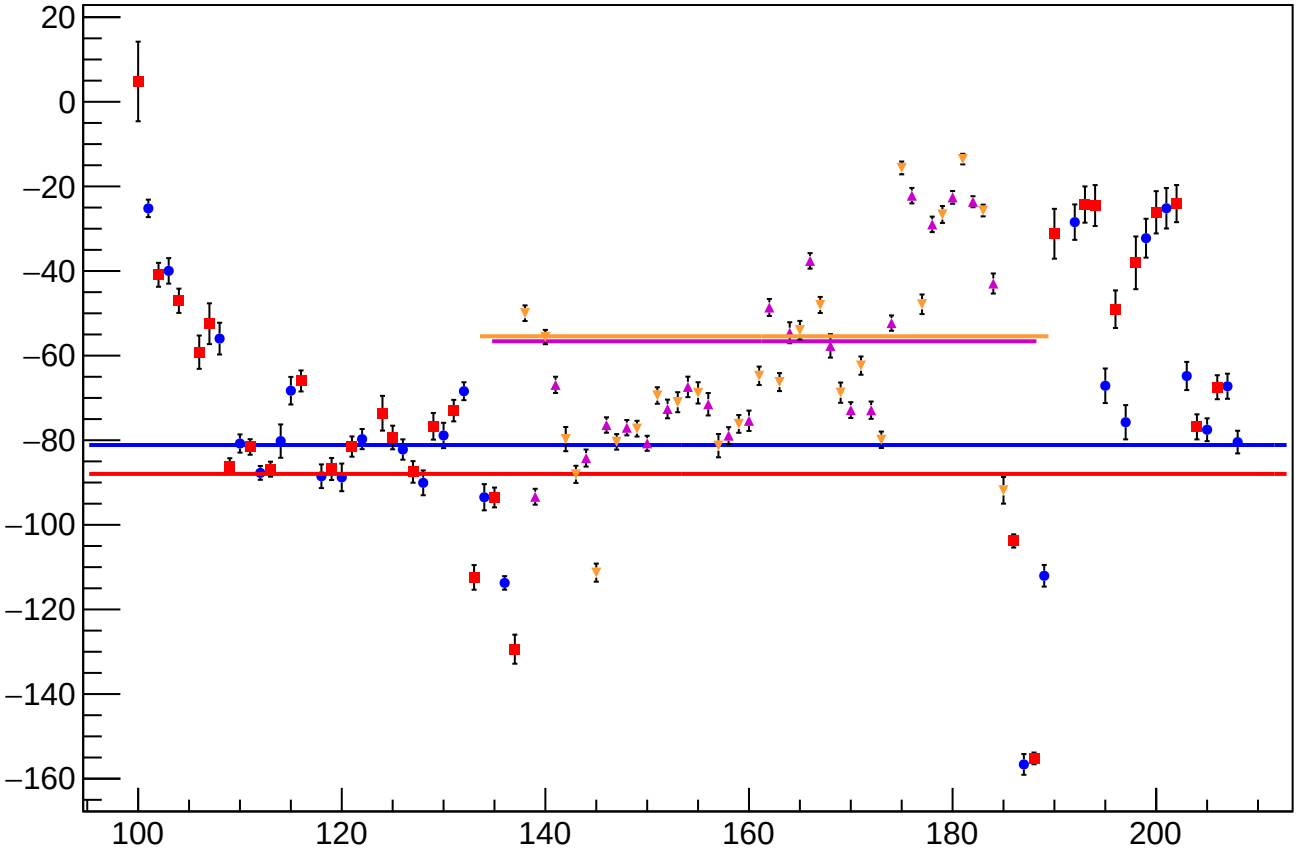
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -39.998+/-0.012 χ^2/NDF: 195956.1/50

All: -40.107+/-0.009 χ^2/NDF: 405452.9/103

- sign -40.215+/-0.012 χ^2/NDF: 209345.5/52

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -81.129+/-0.517 χ^2/NDF: 3046.4/26

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -87.959+/-0.488 χ^2/NDF: 4602.0/29

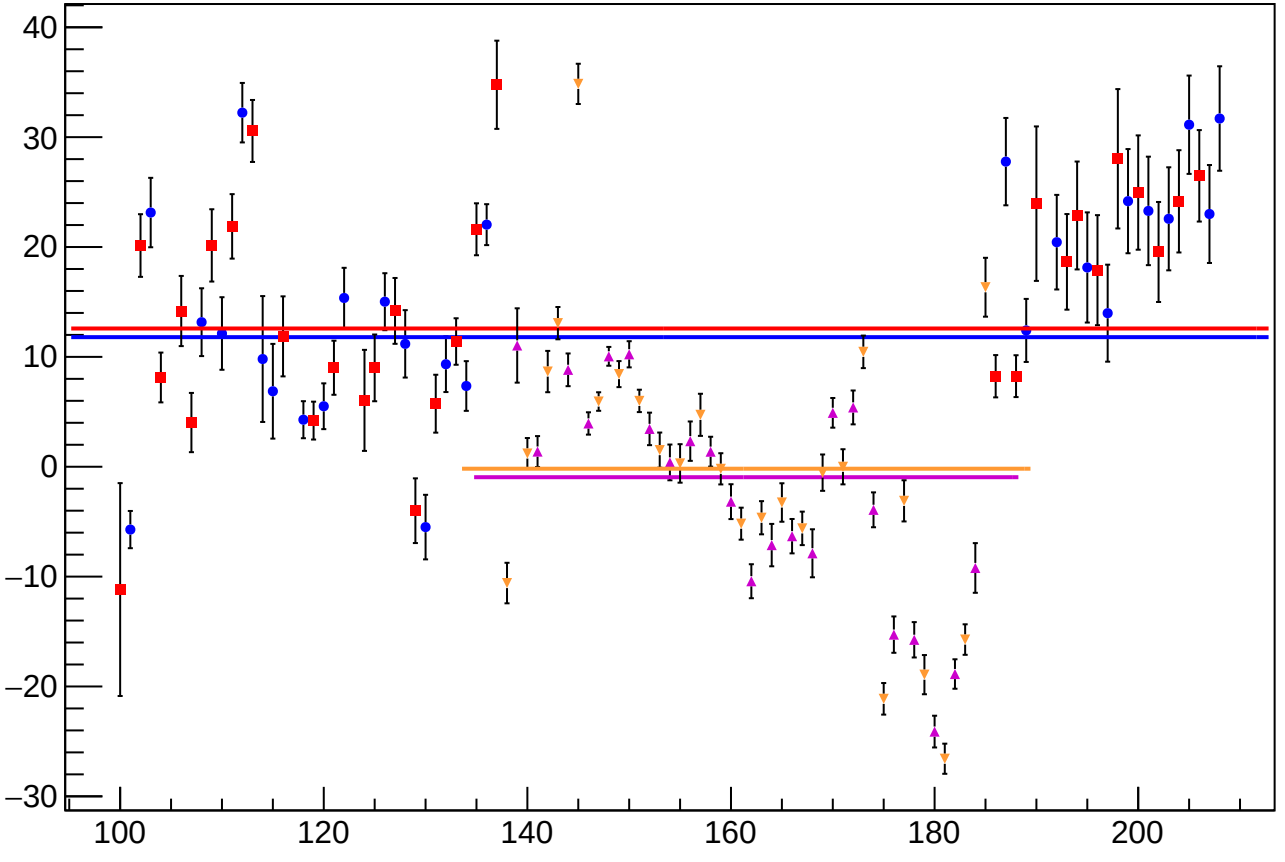
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.854+/-0.313 χ^2/NDF: 9138.8/51

All: -67.122+/-0.221 χ^2/NDF: 19648.0/104

- sign -69.361+/-0.311 χ^2/NDF: 10404.8/52

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 11.796+/-0.559 χ^2/NDF: 362.3/26

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 12.584+/-0.544 χ^2/NDF: 248.2/29

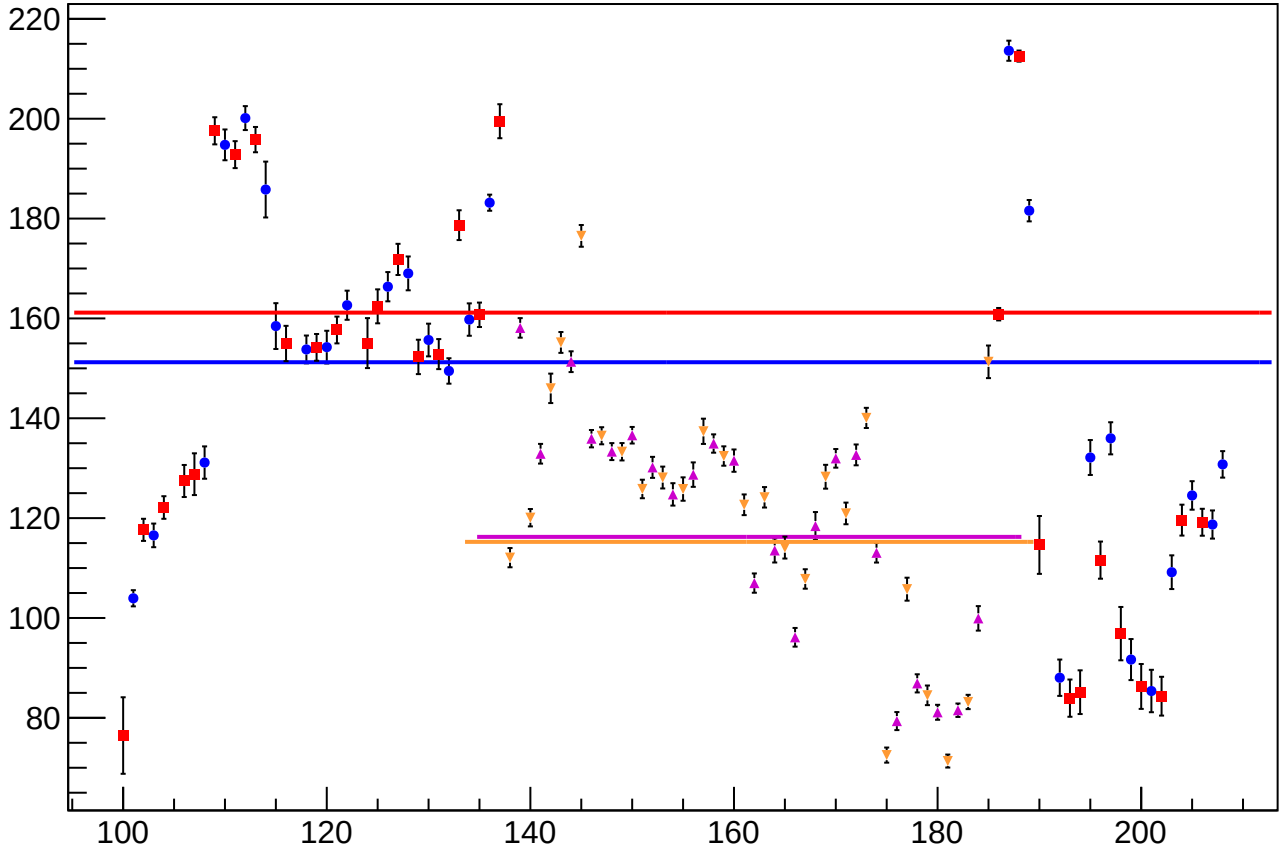
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 2.415+/-0.260 χ^2/NDF: 2319.9/51

All: 2.344+/-0.186 χ^2/NDF: 4109.6/104

- sign 2.271+/-0.265 χ^2/NDF: 1789.5/52

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 151.224+/-0.527 χ^2/NDF: 4633.8/26

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 161.161+/-0.487 χ^2/NDF: 6030.8/29

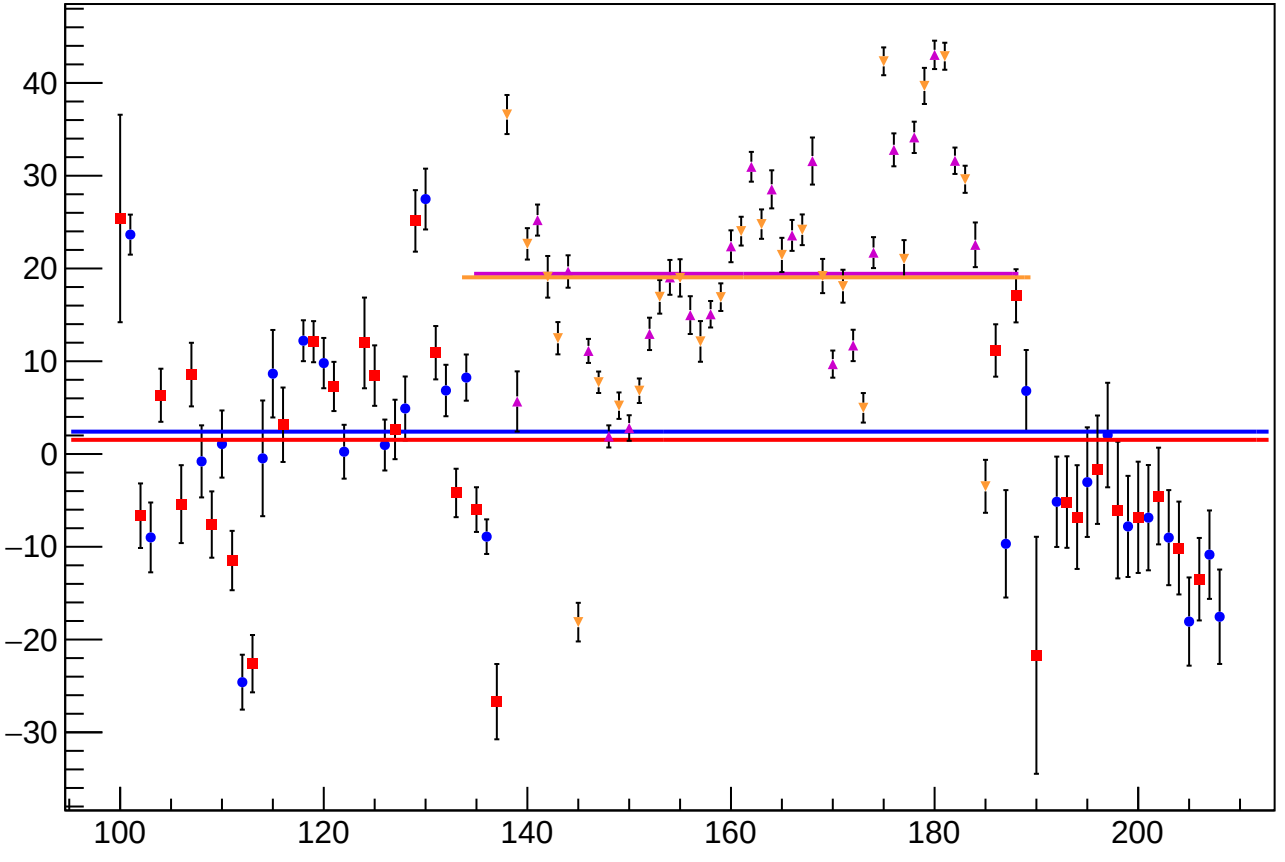
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 127.978+/-0.314 χ^2/NDF: 12477.5/51

All: 131.191+/-0.220 χ^2/NDF: 27441.8/104

- sign 134.302+/-0.309 χ^2/NDF: 14757.8/52

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 2.411+/-0.649 χ^2/NDF: 385.4/26

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 1.528+/-0.646 χ^2/NDF: 334.9/29

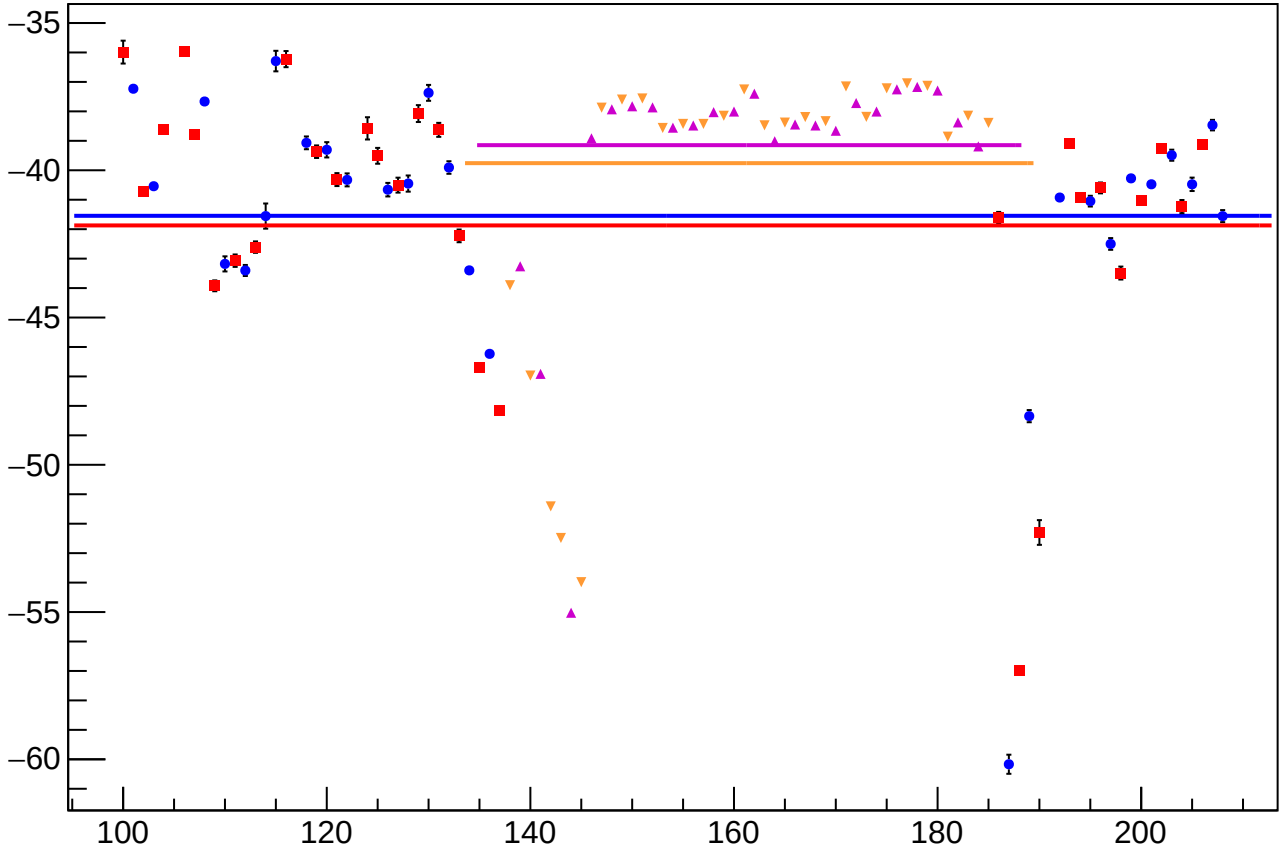
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

\+ sign 15.527+/-0.298 χ^2/NDF: 2449.3/51

All: 15.484+/-0.213 χ^2/NDF: 4458.3/104

\- sign 15.439+/-0.305 χ^2/NDF: 2009.0/52

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.546+/-0.032 χ^2/NDF: 12890.0/26

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.873+/-0.032 χ^2/NDF: 19732.4/29

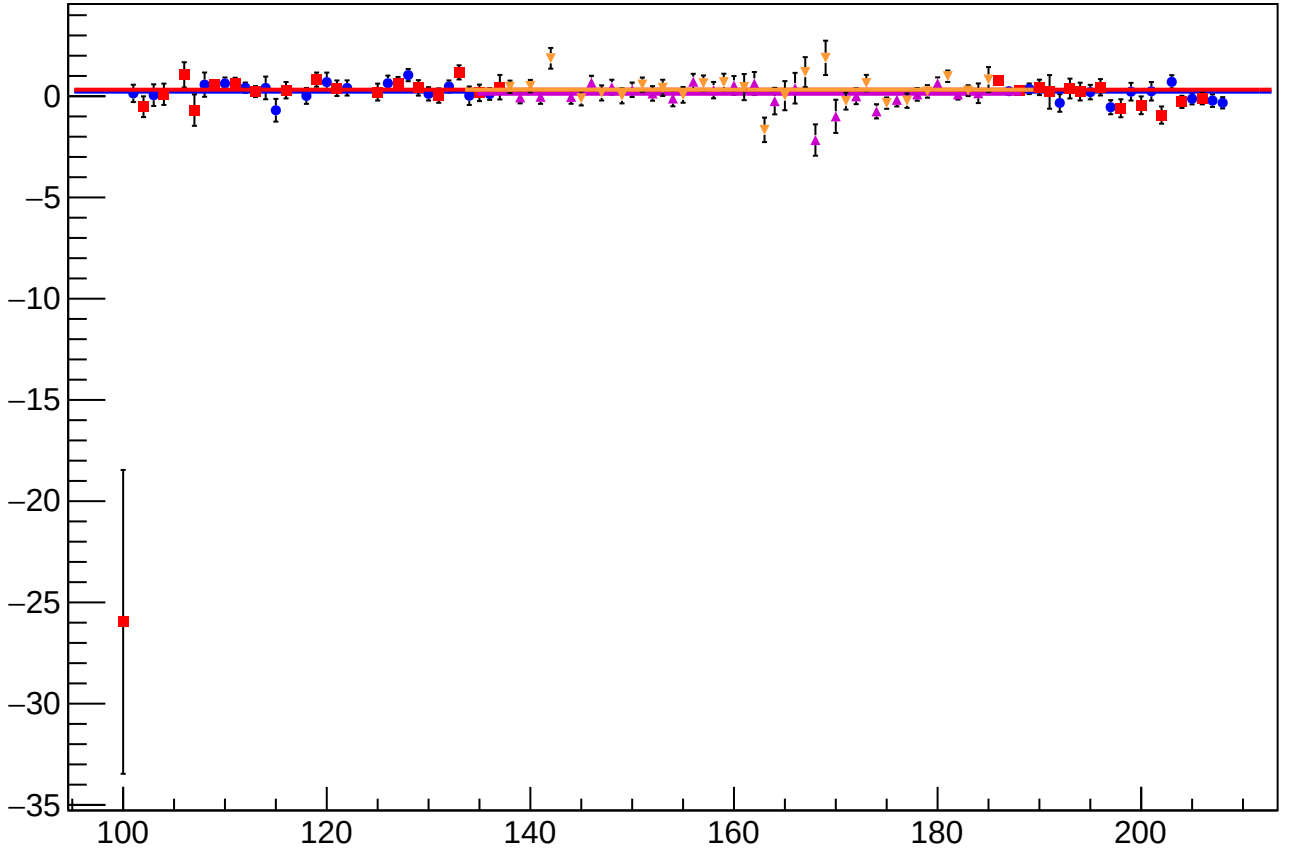
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.102+/-0.014 χ^2/NDF: 97338.6/51

All: -39.889+/-0.010 χ^2/NDF: 170321.2/104

- sign -39.672+/-0.014 χ^2/NDF: 72505.8/52

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.225+/-0.066 χ^2/NDF: 33.4/26

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.323+/-0.060 χ^2/NDF: 60.2/29

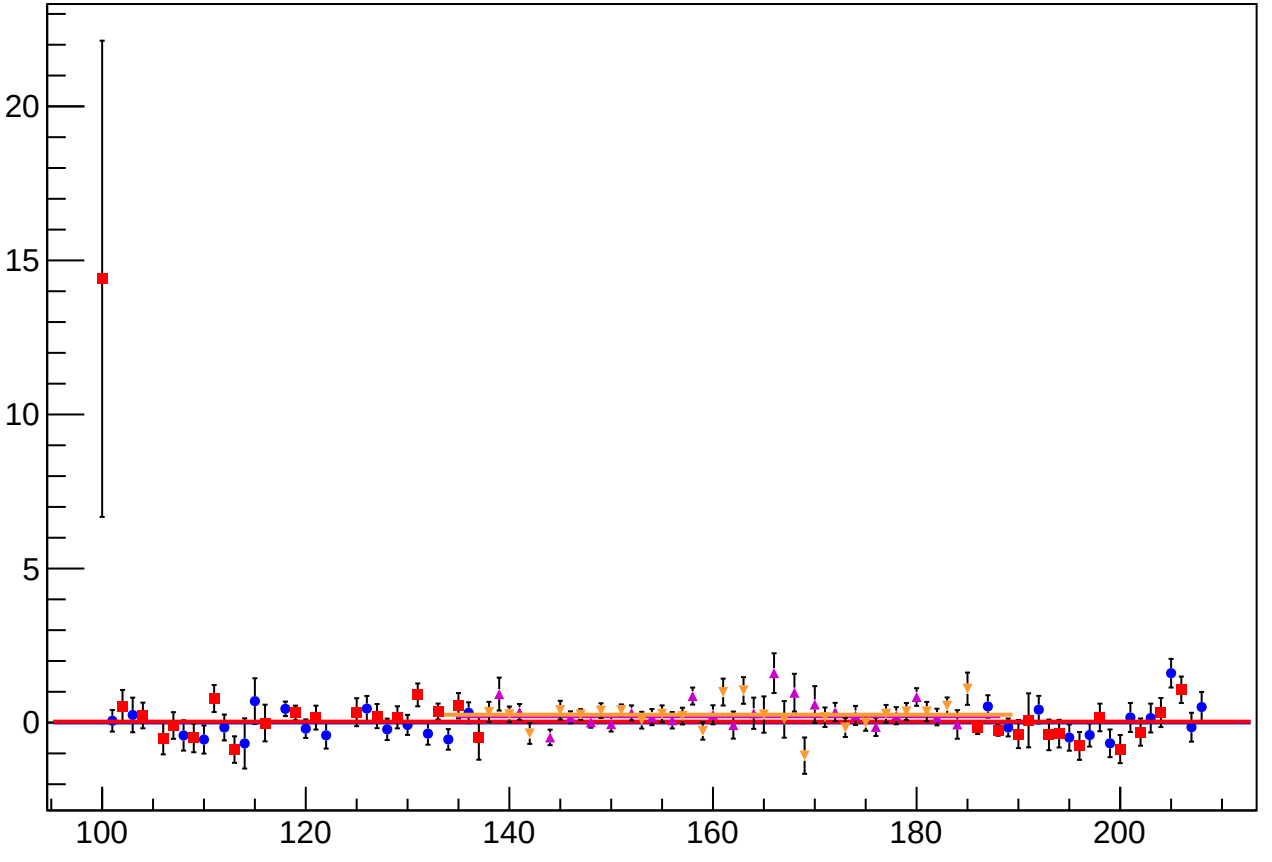
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.265+/-0.050 χ^2/NDF: 81.1/50

All: 0.257+/-0.035 χ^2/NDF: 175.5/103

- sign 0.249+/-0.048 χ^2/NDF: 94.3/52

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.004+/-0.075 χ^2/NDF: 36.5/26

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.031+/-0.069 χ^2/NDF: 45.1/29

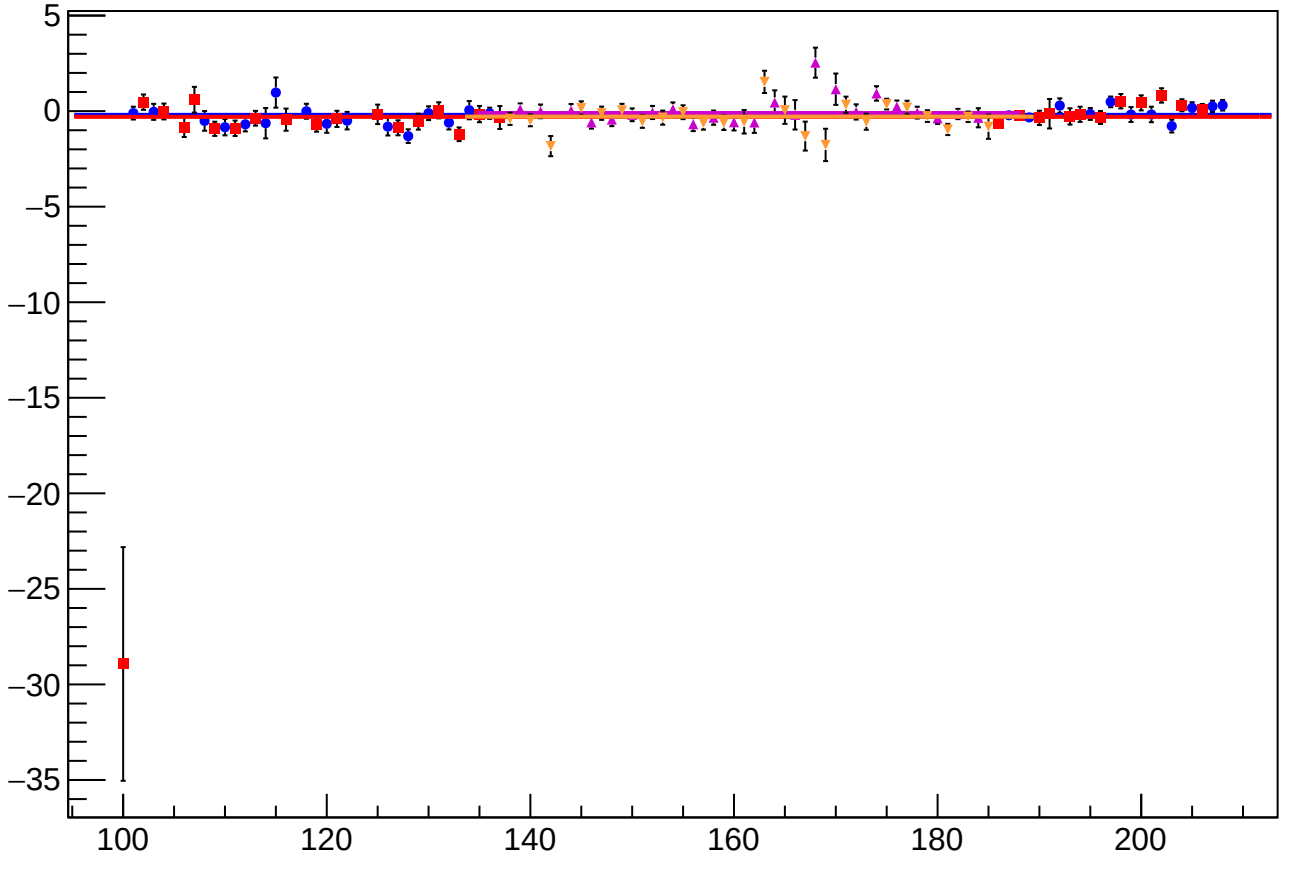
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.160+/-0.047 χ^2/NDF: 69.9/50

All: 0.145+/-0.033 χ^2/NDF: 150.7/103

- sign 0.131+/-0.046 χ^2/NDF: 80.6/52

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.194+/-0.066 χ^2/NDF: 40.1/26

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.299+/-0.057 χ^2/NDF: 74.7/29

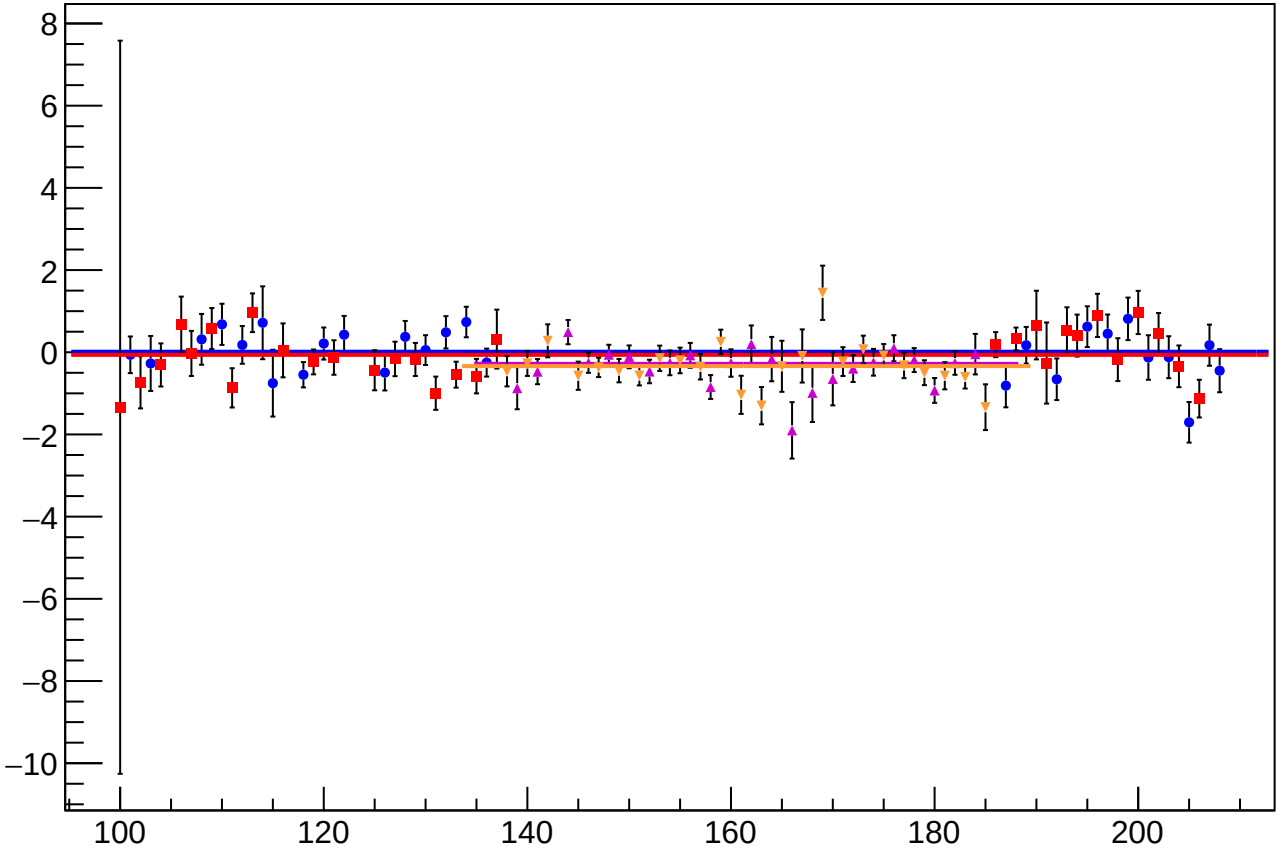
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.233+/-0.050 χ^2/NDF: 85.9/50

All: -0.232+/-0.034 χ^2/NDF: 198.1/103

- sign -0.231+/-0.046 χ^2/NDF: 112.2/52

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.013+/-0.088 χ^2/NDF: 38.6/26

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.063+/-0.085 χ^2/NDF: 41.5/29

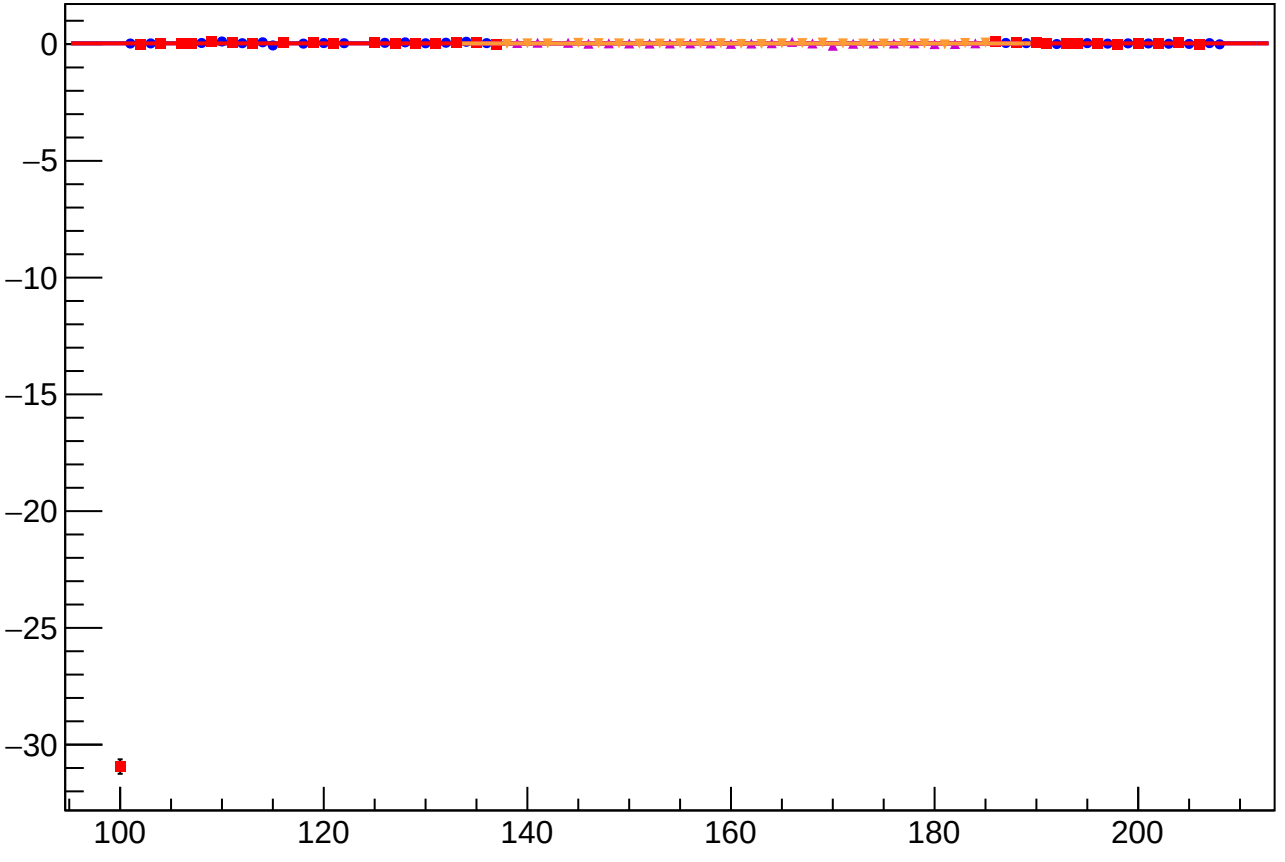
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.206+/-0.054 χ^2/NDF: 78.6/50

All: -0.200+/-0.038 χ^2/NDF: 153.2/103

- sign -0.195+/-0.053 χ^2/NDF: 74.6/52

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.035+/-0.004 χ^2/NDF: 36.1/26

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.031+/-0.004 χ^2/NDF: 10054.5/29

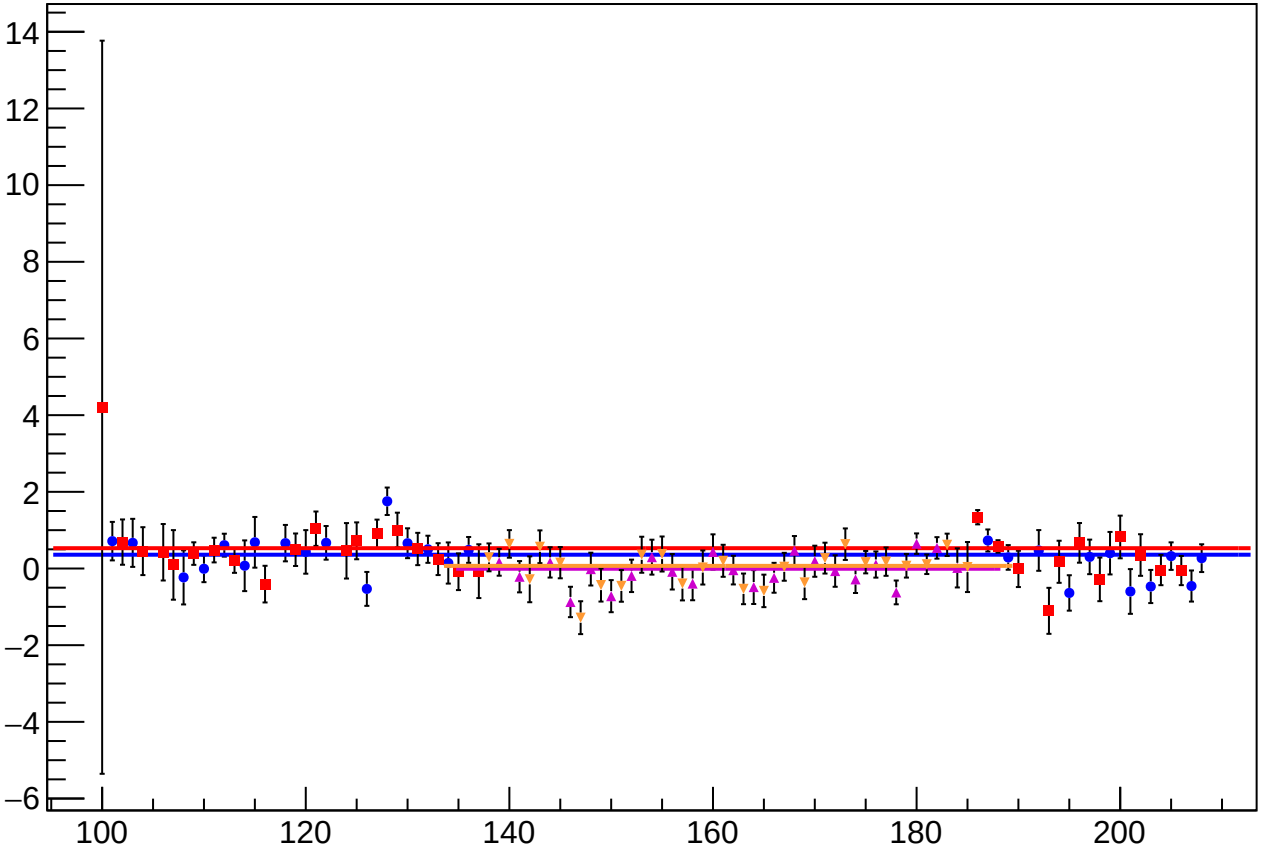
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.031+/-0.002 χ^2/NDF: 65.6/50

All: 0.030+/-0.002 χ^2/NDF: 10159.1/103

- sign 0.030+/-0.002 χ^2/NDF: 10093.5/52

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.360+/-0.081 χ^2/NDF: 41.8/26

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.530+/-0.072 χ^2/NDF: 46.8/29

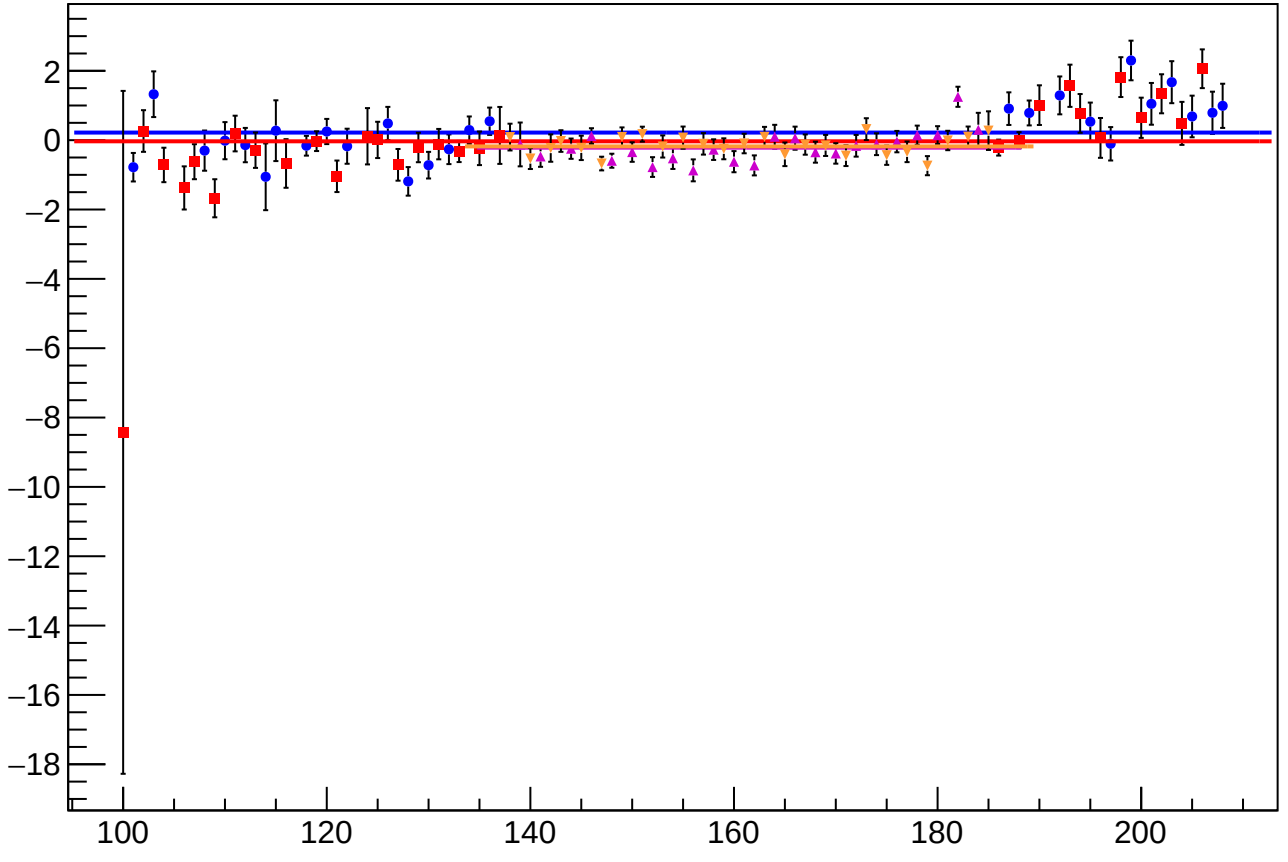
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.208+/-0.056 χ^2/NDF: 79.7/51

All: 0.250+/-0.039 χ^2/NDF: 181.3/104

- sign 0.289+/-0.053 χ^2/NDF: 100.4/52

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.219+/-0.091 χ^2/NDF: 67.5/26

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.033+/-0.083 χ^2/NDF: 73.0/29

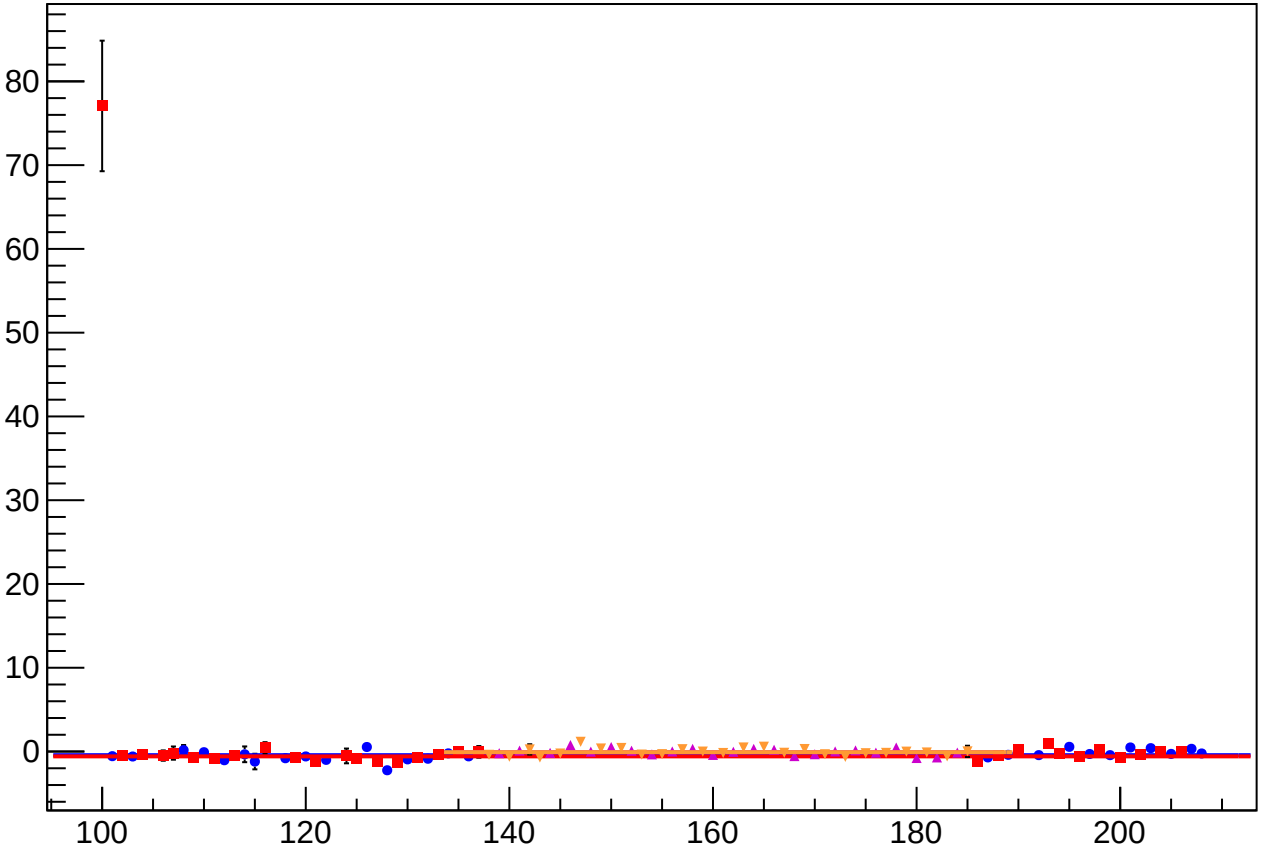
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.062+/-0.050 χ^2/NDF: 105.7/51

All: -0.107+/-0.035 χ^2/NDF: 237.1/104

- sign -0.151+/-0.049 χ^2/NDF: 129.8/52

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.437+/-0.081 χ^2/NDF: 48.8/26

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.580+/-0.068 χ^2/NDF: 145.3/29

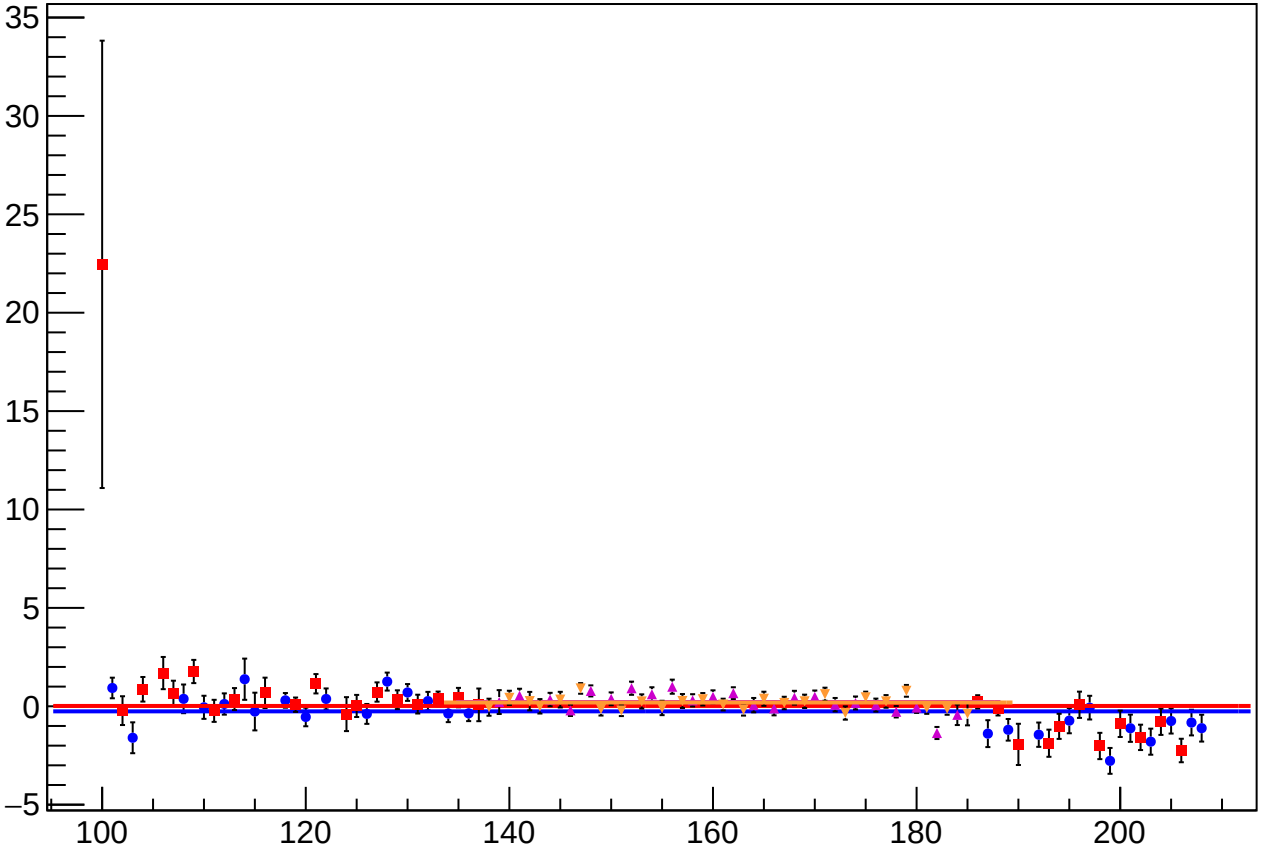
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.247+/-0.056 χ^2/NDF: 89.2/51

All: -0.310+/-0.038 χ^2/NDF: 288.6/104

- sign -0.363+/-0.052 χ^2/NDF: 197.1/52

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.257+/-0.107 χ^2/NDF: 67.8/26

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.017+/-0.101 χ^2/NDF: 78.2/29

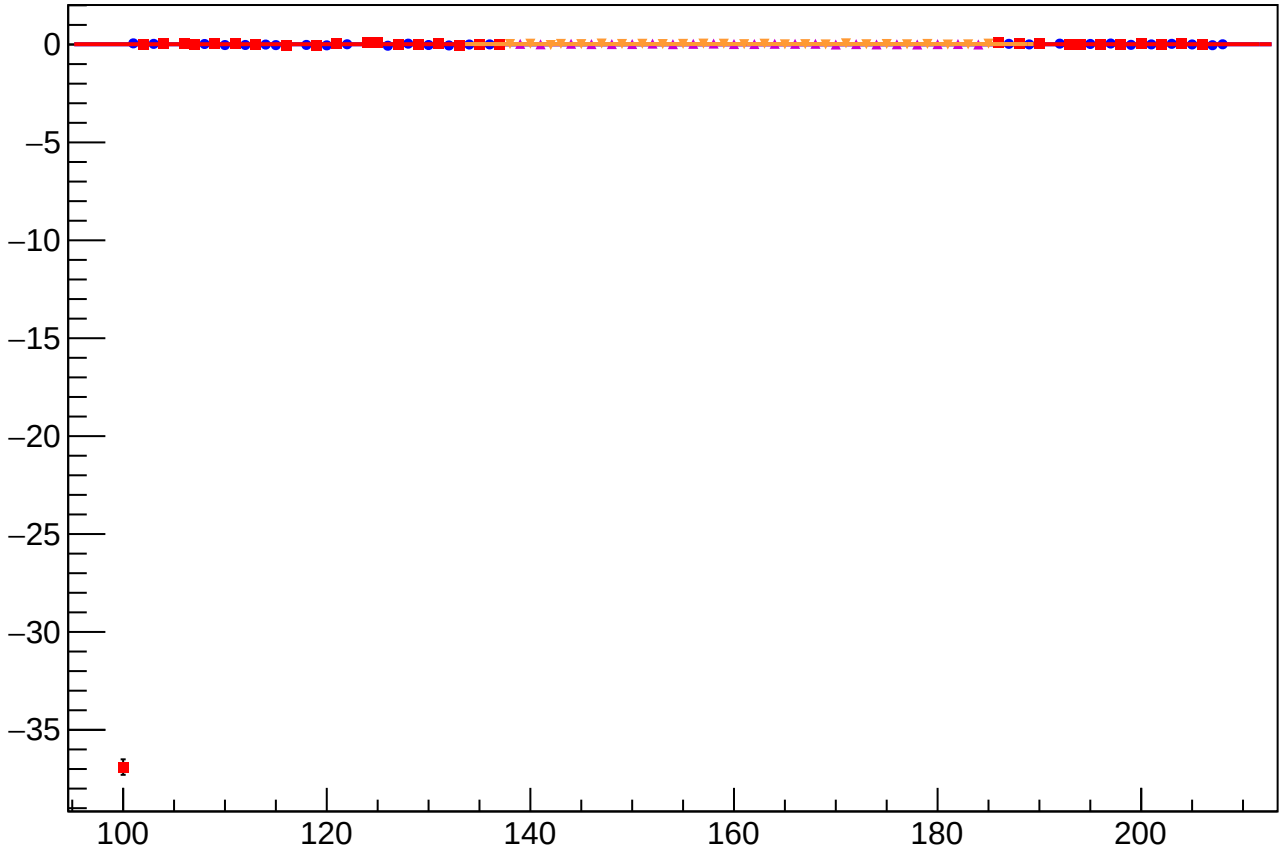
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.066+/-0.057 χ^2/NDF: 106.6/51

All: 0.109+/-0.040 χ^2/NDF: 243.5/104

- sign 0.152+/-0.057 χ^2/NDF: 135.9/52

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.011+/-0.005 χ^2/NDF: 32.4/26

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8779.6/29

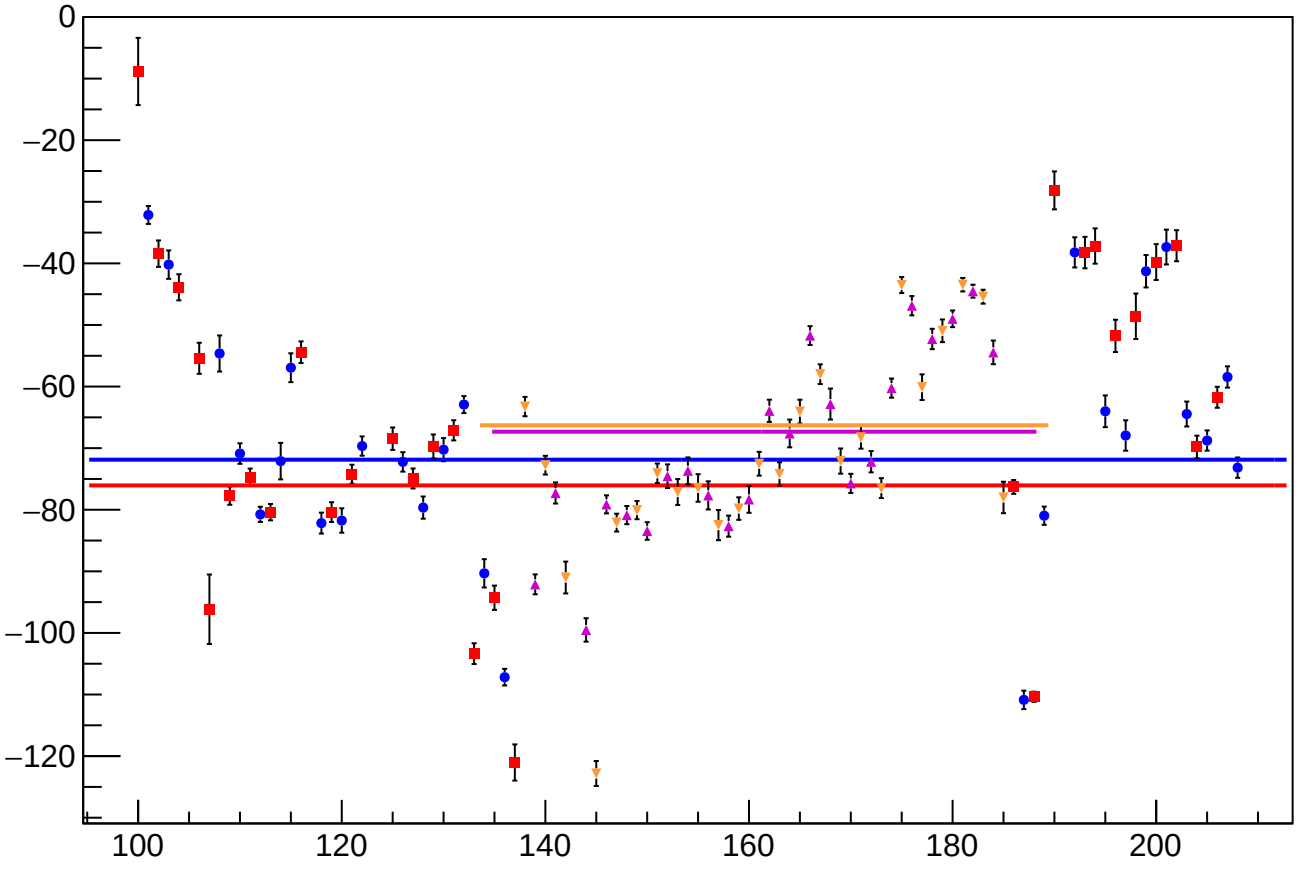
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

\+ sign 0.021+/-0.003 χ^2/NDF: 67.7/51

All: 0.021+/-0.002 χ^2/NDF: 8867.8/104

\- sign 0.022+/-0.003 χ^2/NDF: 8800.0/52

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.871+/-0.346 χ^2/NDF: 3218.8/26

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -76.049+/-0.330 χ^2/NDF: 4564.2/28

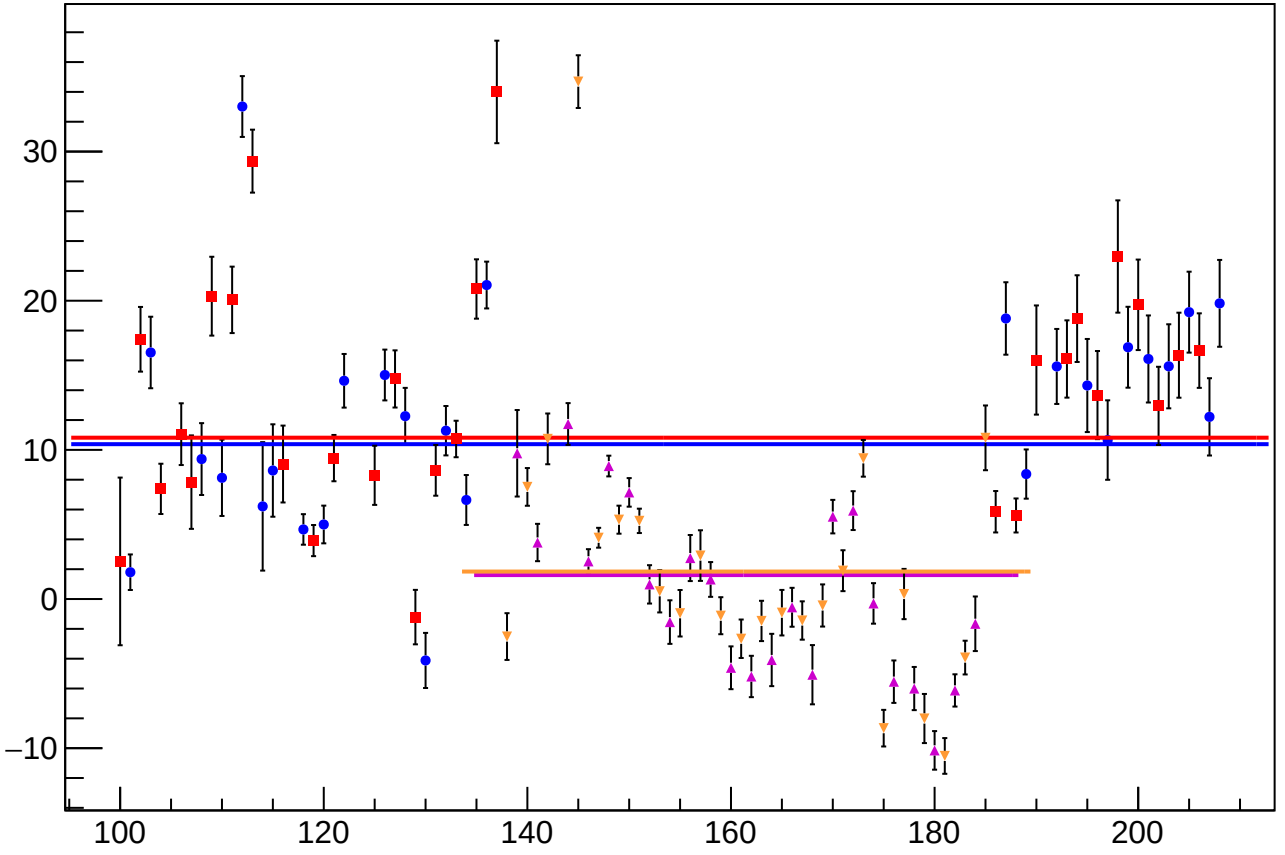
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.059+/-0.244 χ^2/NDF: 5900.0/50

All: -70.502+/-0.171 χ^2/NDF: 12968.2/102

- sign -71.882+/-0.239 χ^2/NDF: 6999.8/51

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 10.382+/-0.371 χ^2/NDF: 414.4/26

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.817+/-0.365 χ^2/NDF: 367.5/28

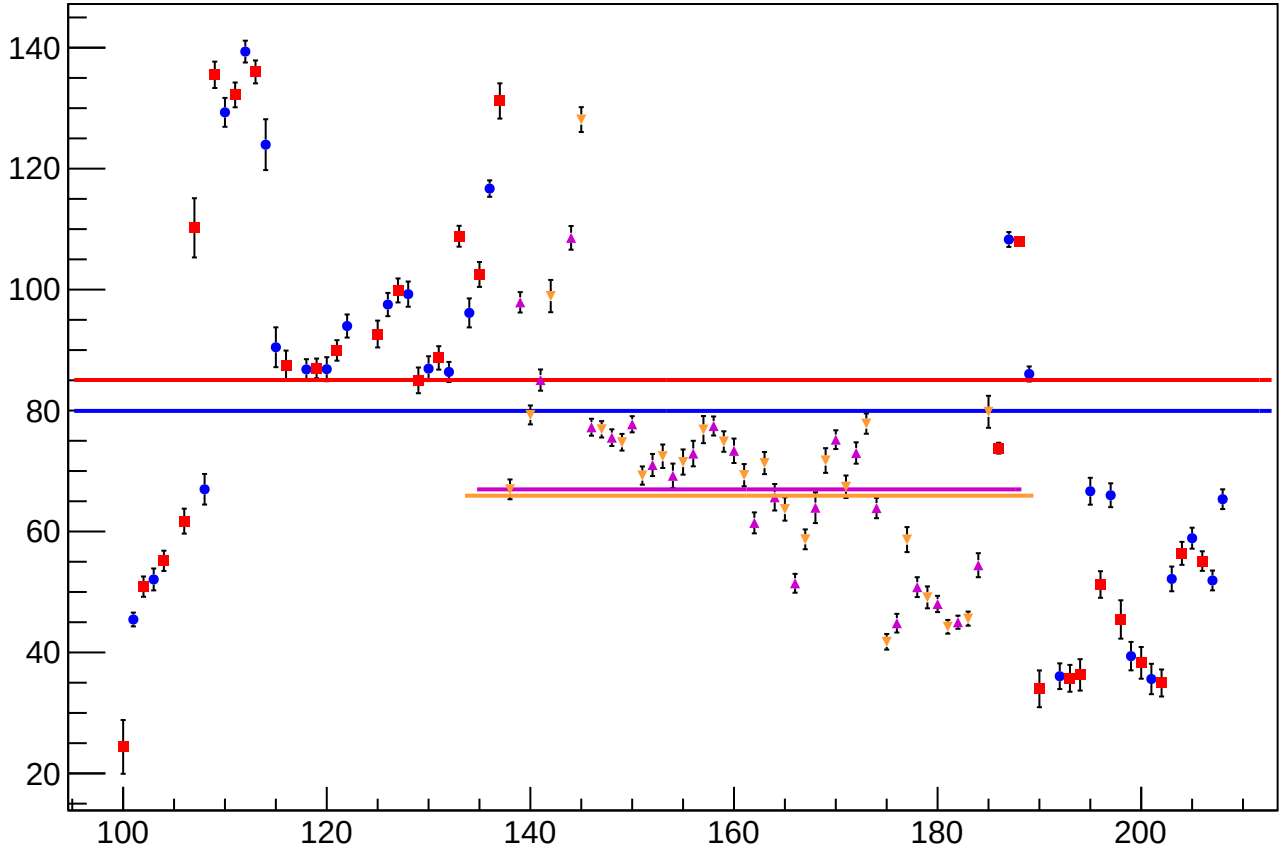
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

\+ sign 4.571+/-0.210 χ^2/NDF: 1555.9/50

All: 4.627+/-0.149 χ^2/NDF: 2844.7/102

\- sign 4.683+/-0.211 χ^2/NDF: 1288.7/51

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 79.943+/-0.349 χ^2/NDF: 6247.6/26

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 85.056+/-0.323 χ^2/NDF: 7708.6/28

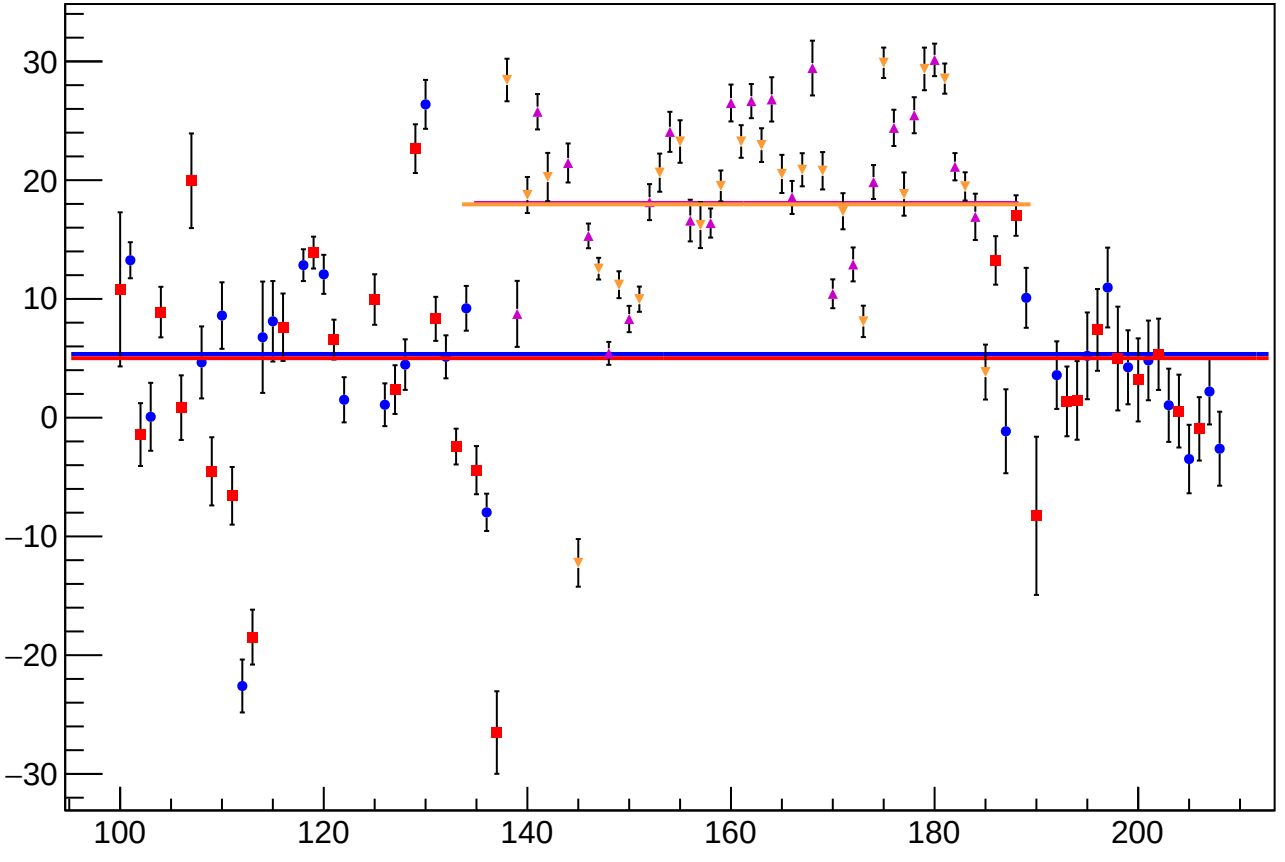
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 72.758+/-0.244 χ^2/NDF: 9629.7/50

All: 74.697+/-0.169 χ^2/NDF: 21162.5/102

- sign 76.495+/-0.235 χ^2/NDF: 11410.9/51

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.363+/-0.436 χ^2/NDF: 457.7/26

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.011+/-0.437 χ^2/NDF: 501.8/28

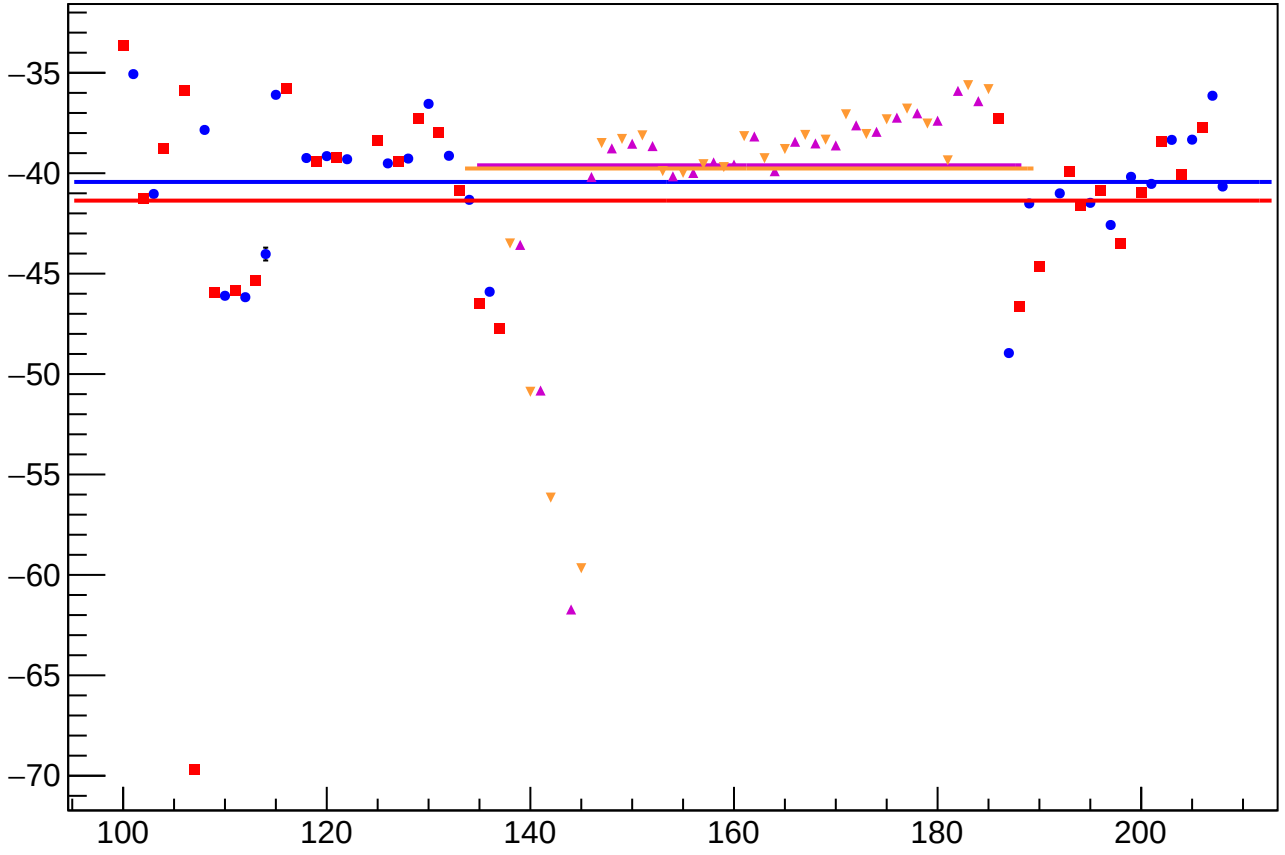
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.062+/-0.243 χ^2/NDF: 1766.4/50

All: 14.026+/-0.172 χ^2/NDF: 3488.1/102

- sign 13.989+/-0.244 χ^2/NDF: 1721.6/51

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.434+/-0.022 χ^2/NDF: 22859.7/26

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.364+/-0.022 χ^2/NDF: 44618.1/28

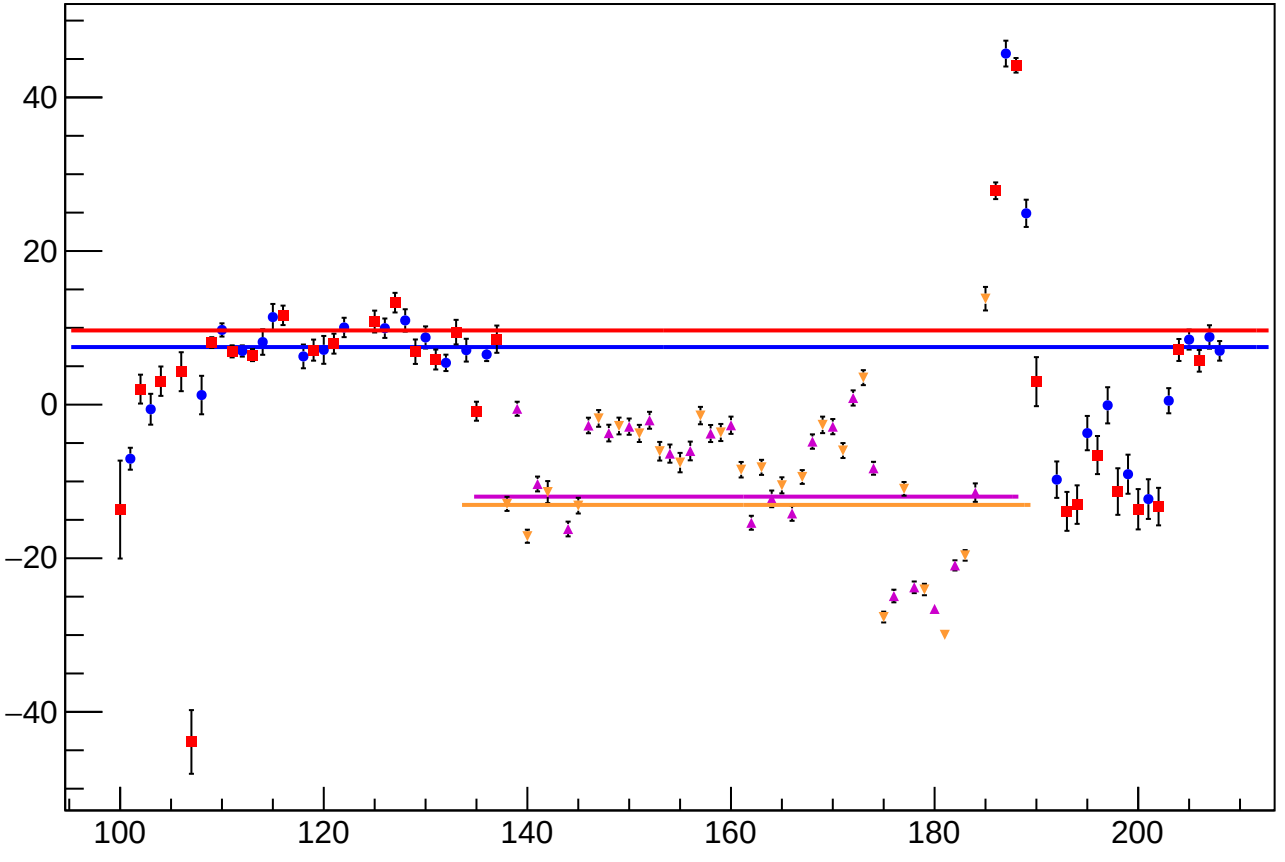
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.953+/-0.011 χ^2/NDF: 153448.9/50

All: -40.022+/-0.008 χ^2/NDF: 309534.8/102

- sign -40.090+/-0.011 χ^2/NDF: 156013.8/51

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.496+/-0.267 χ^2/NDF: 980.6/26

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.660+/-0.257 χ^2/NDF: 2387.1/28

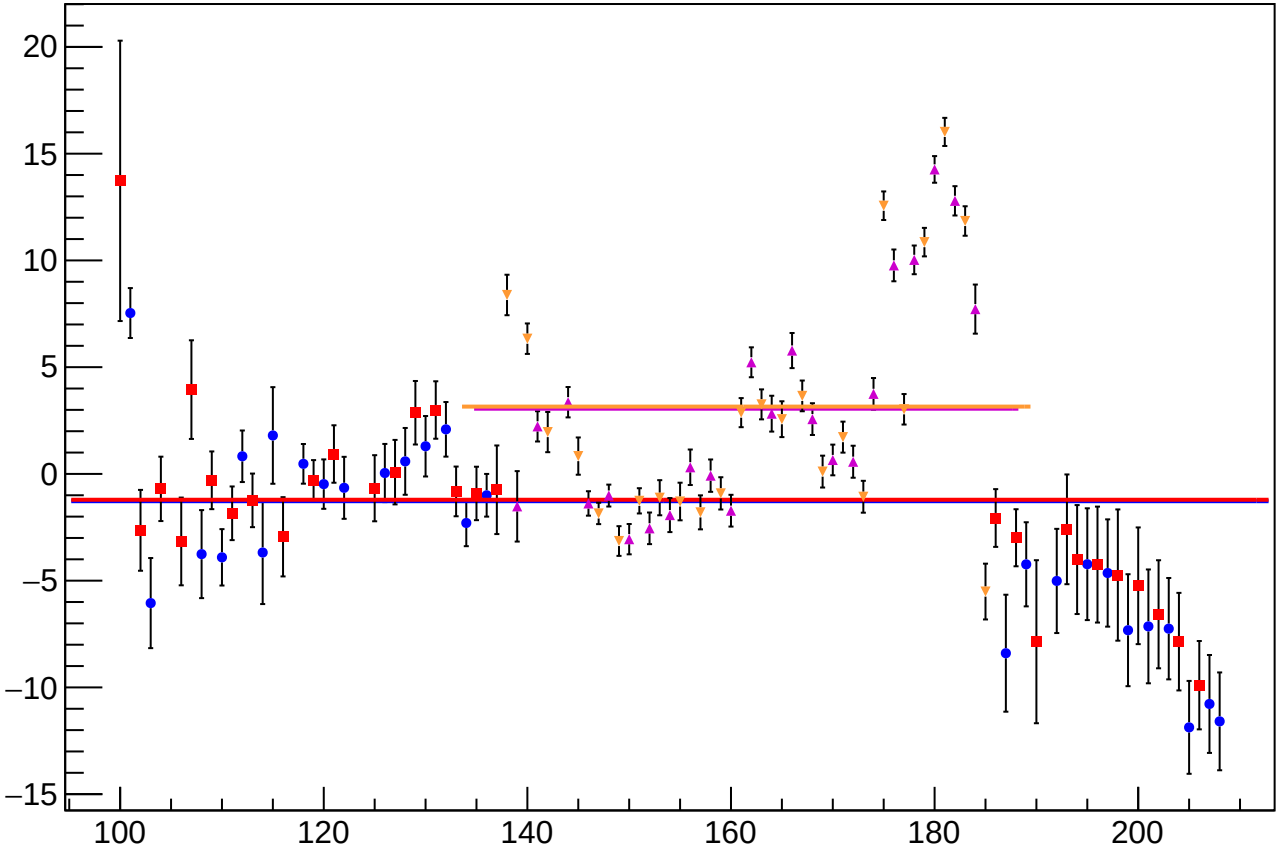
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

\+ sign -6.023+/-0.156 χ^2/NDF: 7737.2/50

All: -5.021+/-0.110 χ^2/NDF: 16882.6/102

\- sign -4.031+/-0.155 χ^2/NDF: 9063.8/51

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -1.278+/-0.301 χ^2/NDF: 183.0/26

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.210+/-0.303 χ^2/NDF: 77.2/28

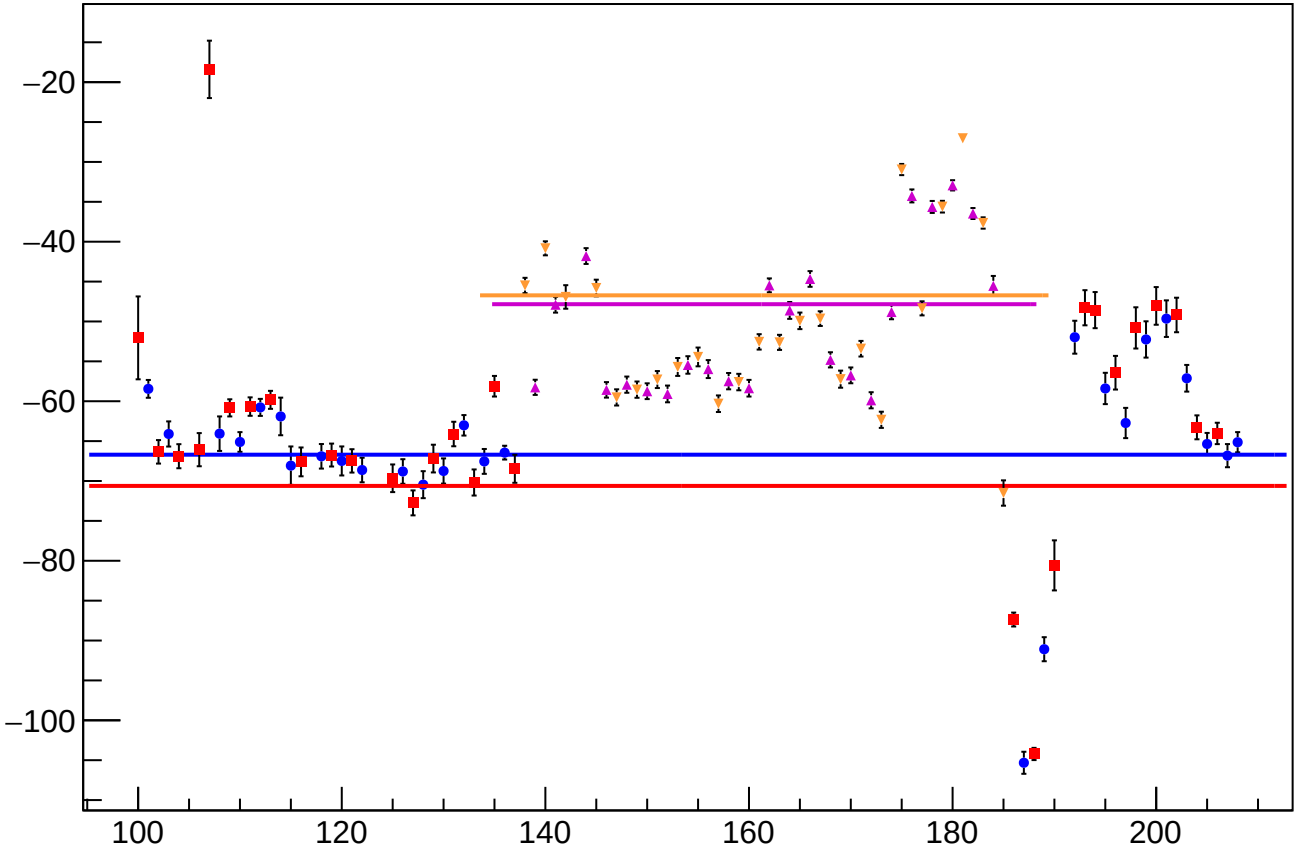
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.281+/-0.134 χ^2/NDF: 1741.9/50

All: 2.241+/-0.095 χ^2/NDF: 3122.3/102

- sign 2.199+/-0.136 χ^2/NDF: 1380.3/51

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -66.702+/-0.288 χ^2/NDF: 1362.2/26

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.615+/-0.277 χ^2/NDF: 3467.3/28

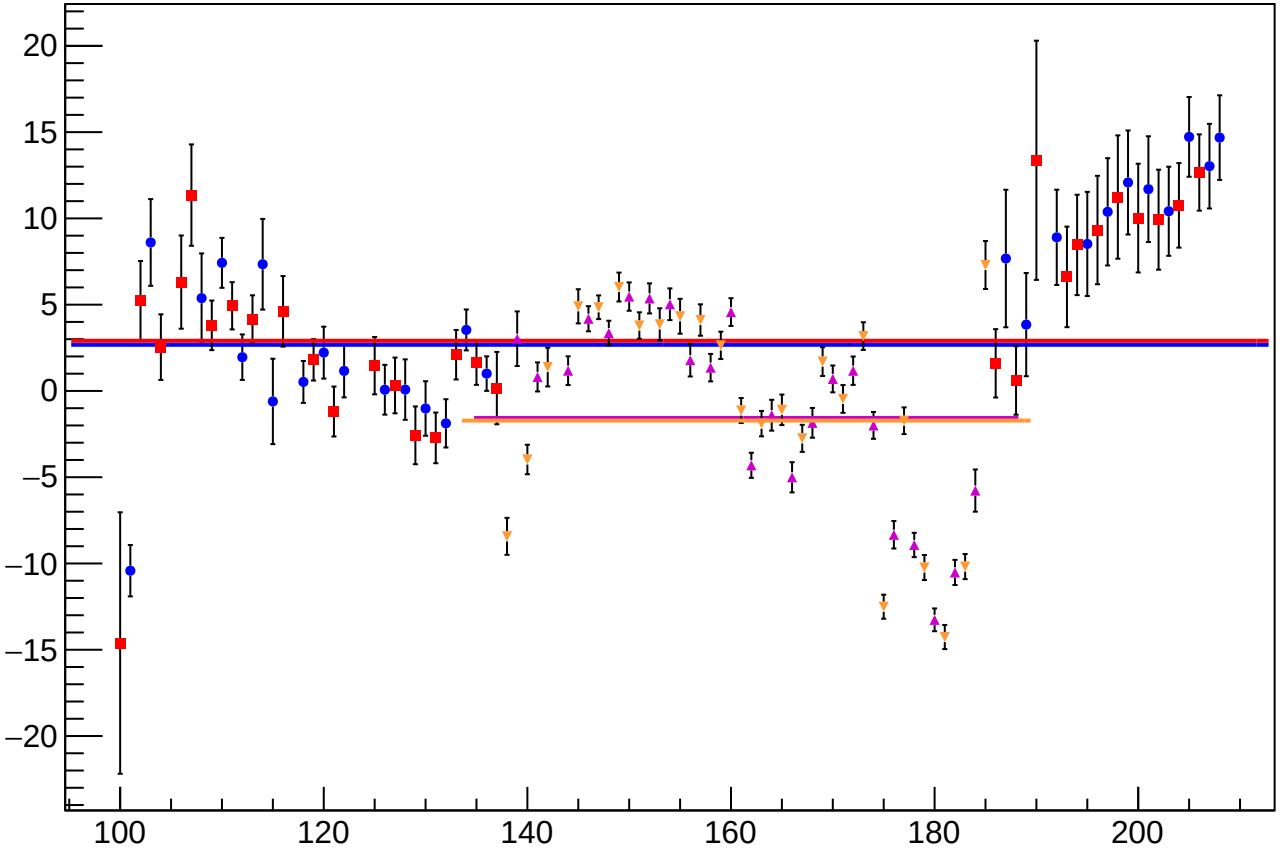
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -52.858+/-0.159 χ^2/NDF: 8148.2/50

All: -54.087+/-0.113 χ^2/NDF: 18821.0/102

- sign -55.307+/-0.159 χ^2/NDF: 10554.4/51

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 2.676+/-0.343 χ^2/NDF: 242.1/26

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 2.909+/-0.351 χ^2/NDF: 120.6/28

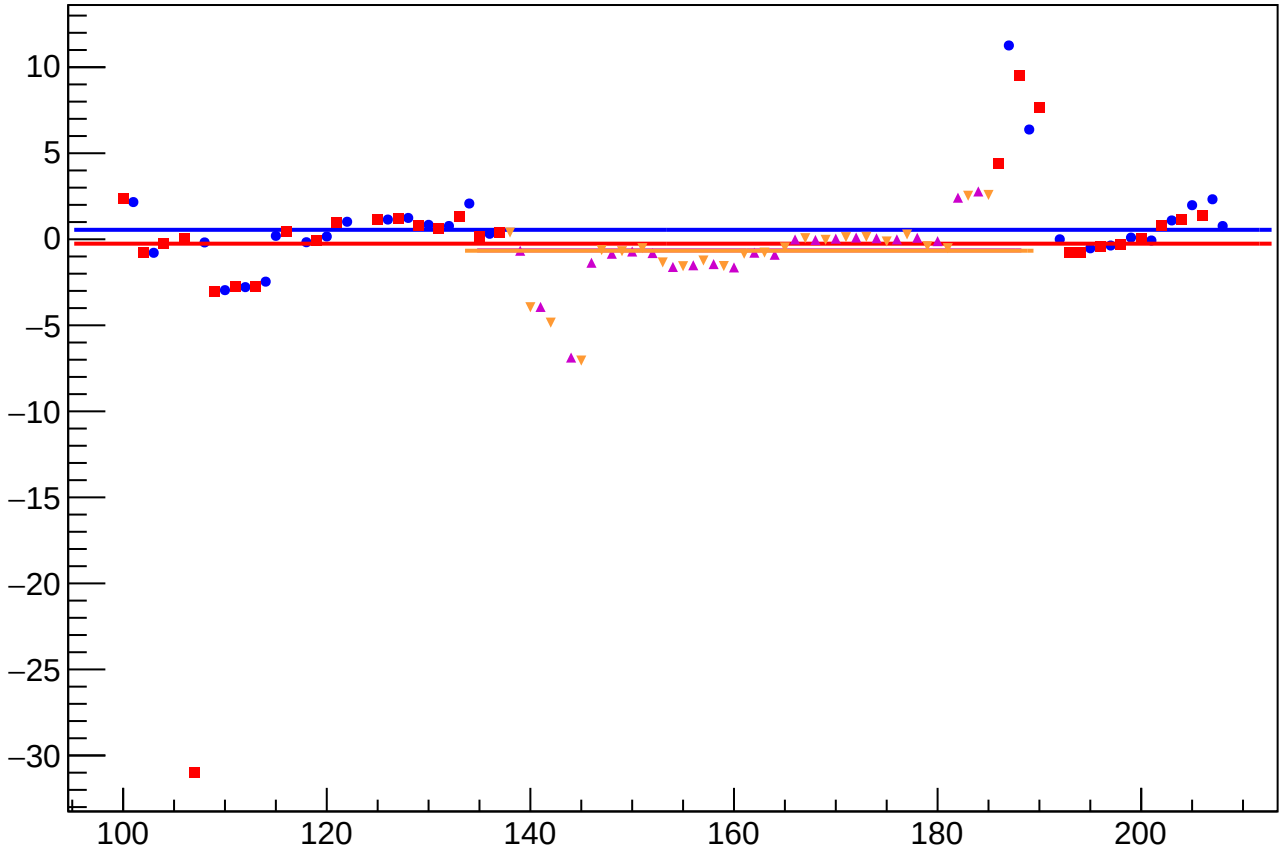
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

\+ sign -0.870+/-0.151 χ^2/NDF: 1780.5/50

All: -0.792+/-0.108 χ^2/NDF: 3150.9/102

\- sign -0.711+/-0.153 χ^2/NDF: 1369.9/51

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.550+/-0.017 χ^2/NDF: 10285.8/26

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.256+/-0.018 χ^2/NDF: 60728.3/28

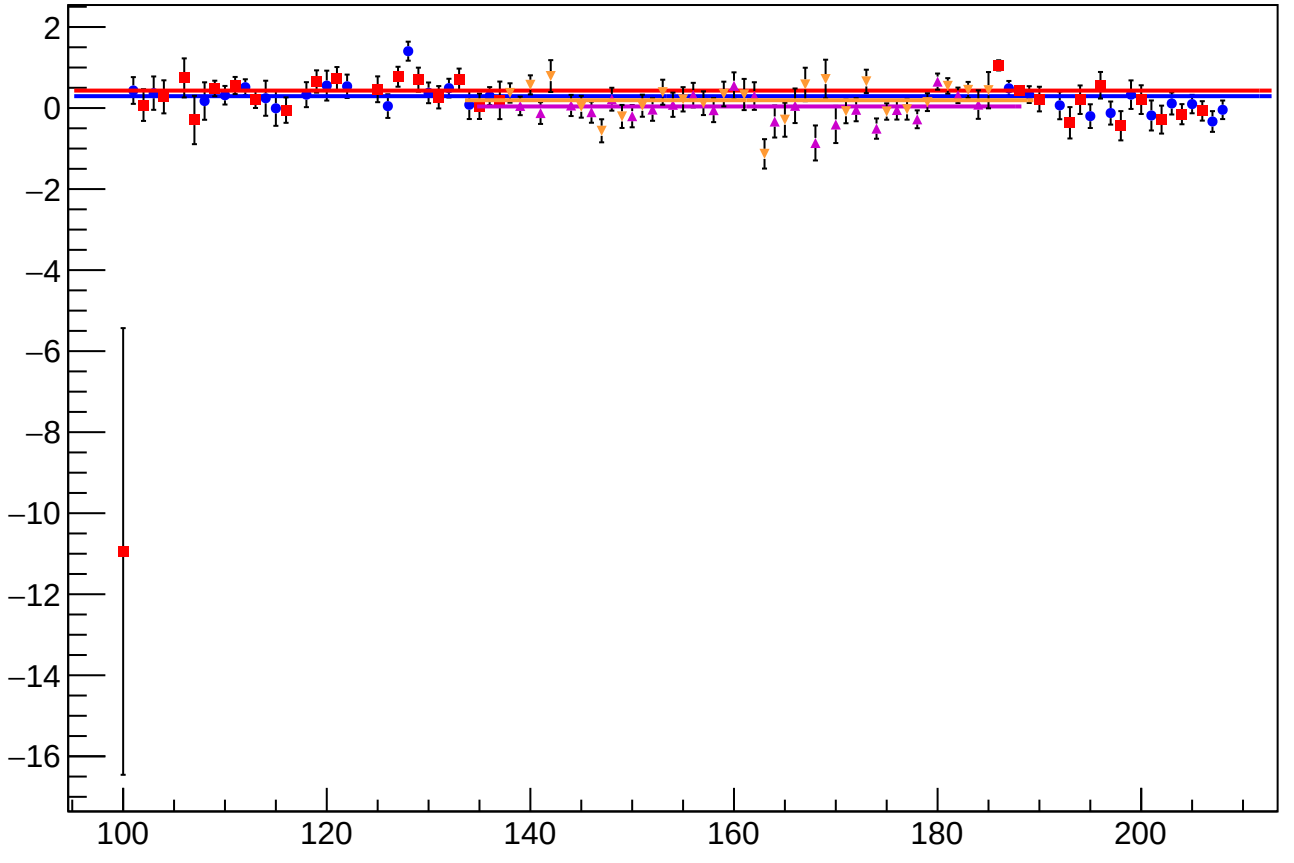
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.473+/-0.007 χ^2/NDF: 69717.5/50

All: -0.529+/-0.005 χ^2/NDF: 176557.1/102

- sign -0.587+/-0.007 χ^2/NDF: 106703.7/51

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.293+/-0.052 χ^2/NDF: 45.2/26

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.431+/-0.047 χ^2/NDF: 68.4/28

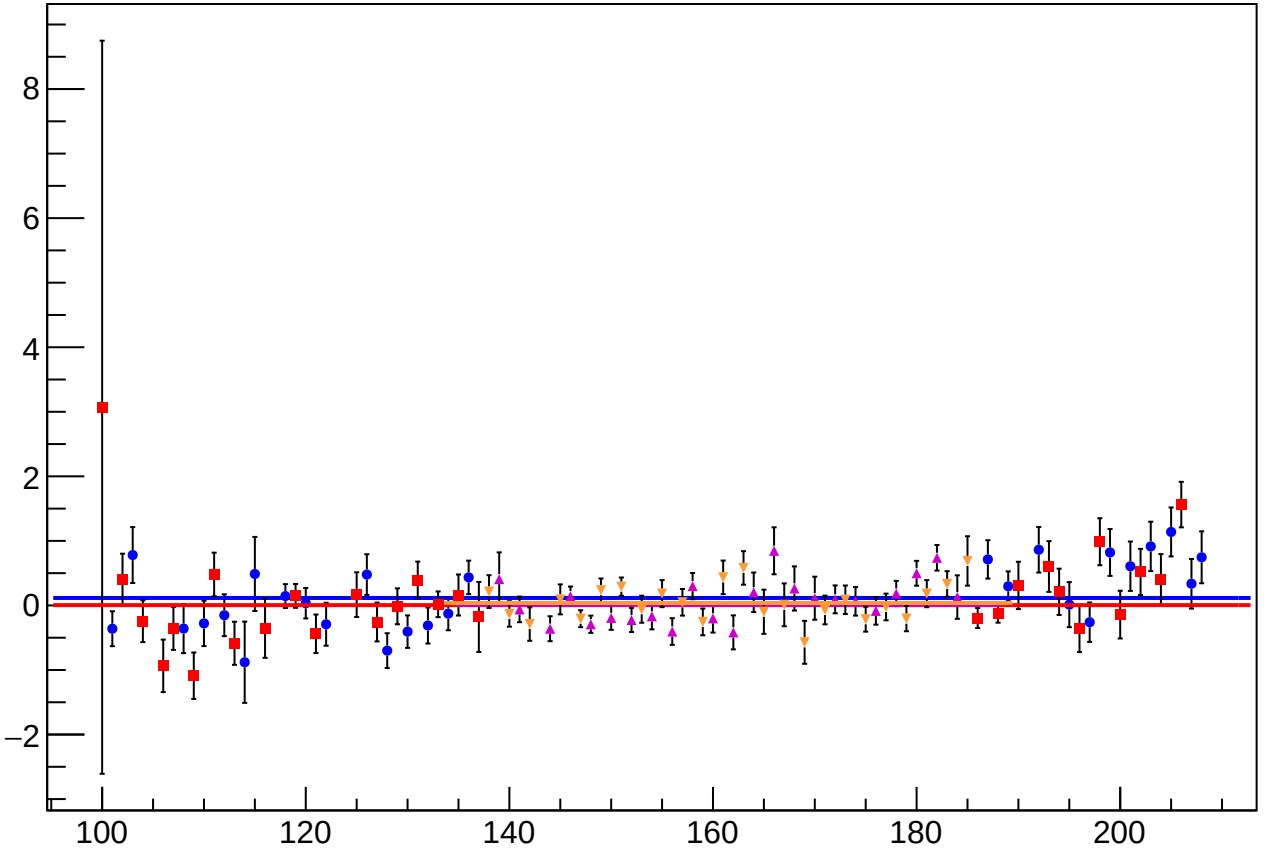
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.247+/-0.038 χ^2/NDF: 91.0/50

All: 0.262+/-0.026 χ^2/NDF: 218.0/102

- sign 0.275+/-0.036 χ^2/NDF: 126.7/51

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.116+/-0.059 χ^2/NDF: 63.6/26

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: 0.005+/-0.054 χ^2/NDF: 66.1/28

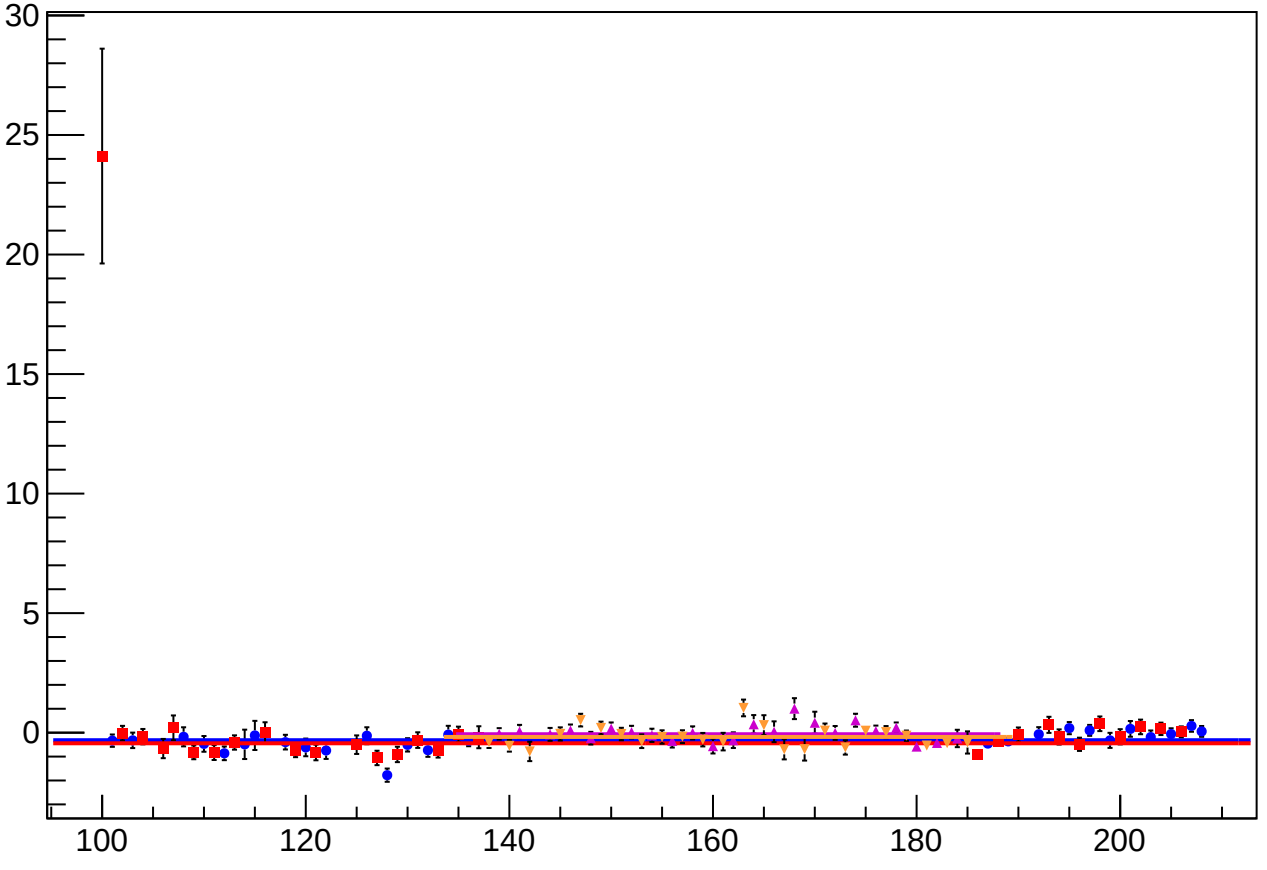
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.065+/-0.035 χ^2/NDF: 97.5/50

All: 0.036+/-0.024 χ^2/NDF: 216.3/102

- sign 0.007+/-0.034 χ^2/NDF: 117.5/51

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.315+/-0.052 χ^2/NDF: 58.6/26

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.444+/-0.045 χ^2/NDF: 100.8/28

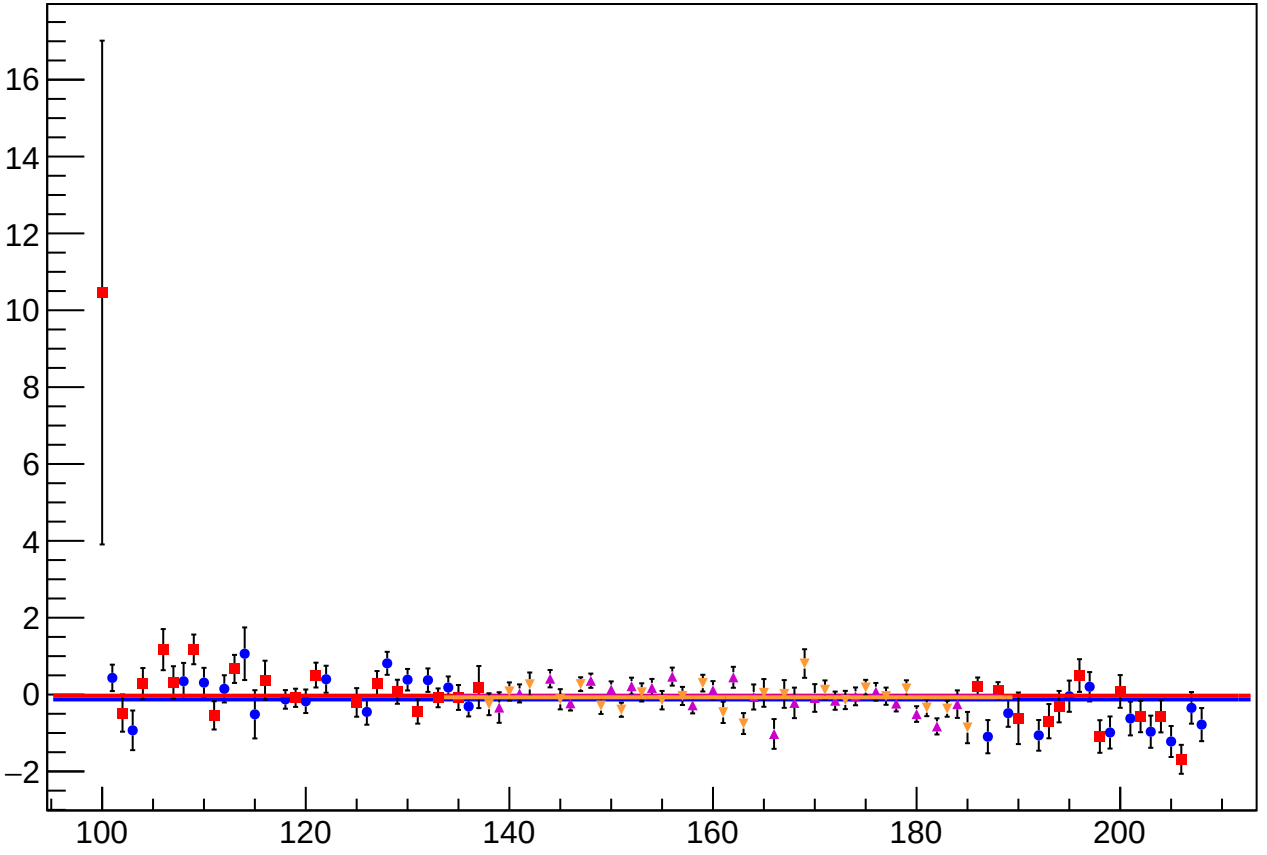
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.252+/-0.038 χ^2/NDF: 104.0/50

All: -0.278+/-0.026 χ^2/NDF: 264.3/102

- sign -0.300+/-0.035 χ^2/NDF: 159.5/51

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.128+/-0.069 χ^2/NDF: 64.0/26

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: -0.028+/-0.066 χ^2/NDF: 67.3/28

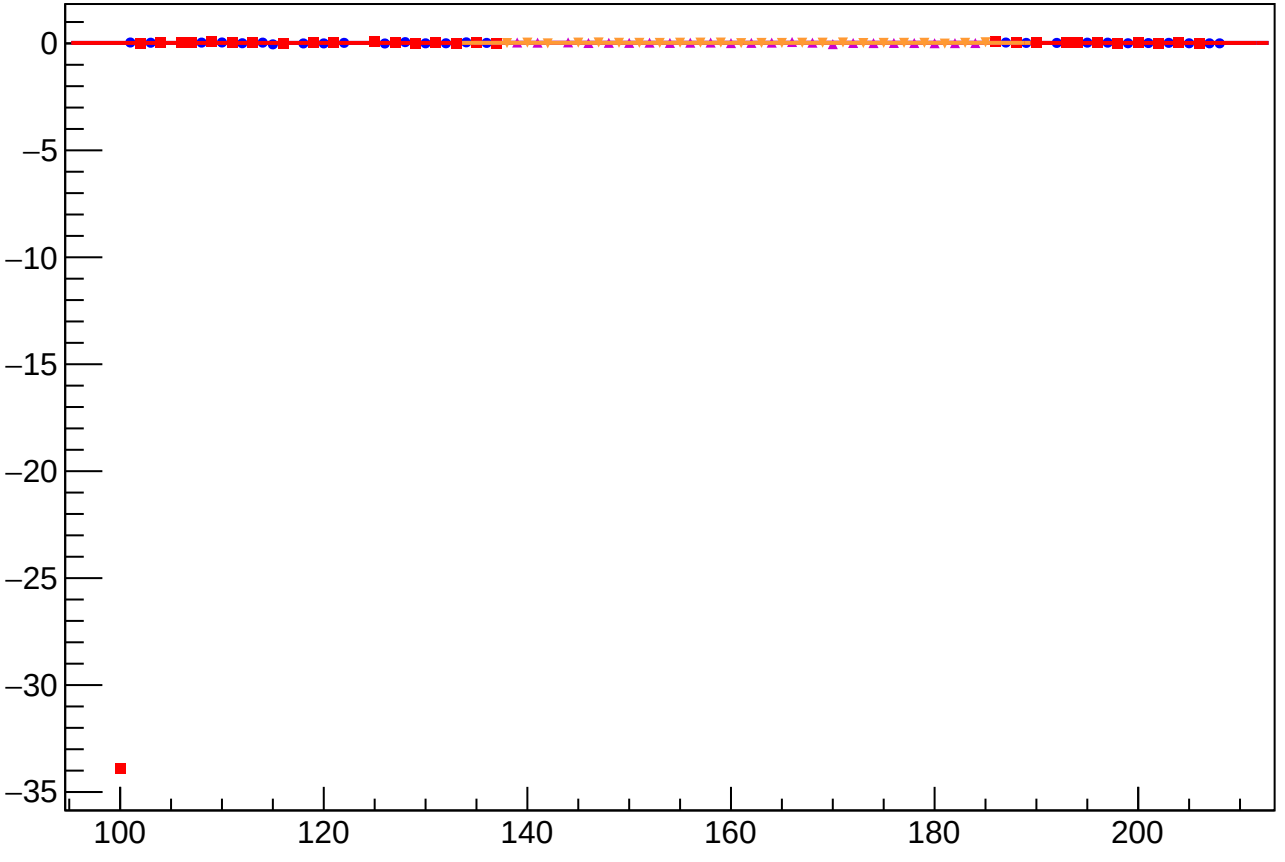
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.090+/-0.040 χ^2/NDF: 102.1/50

All: -0.065+/-0.028 χ^2/NDF: 220.7/102

- sign -0.040+/-0.040 χ^2/NDF: 117.8/51

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.023+/-0.003 χ^2/NDF: 23.7/26

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.022+/-0.003 χ^2/NDF: 22315.0/28

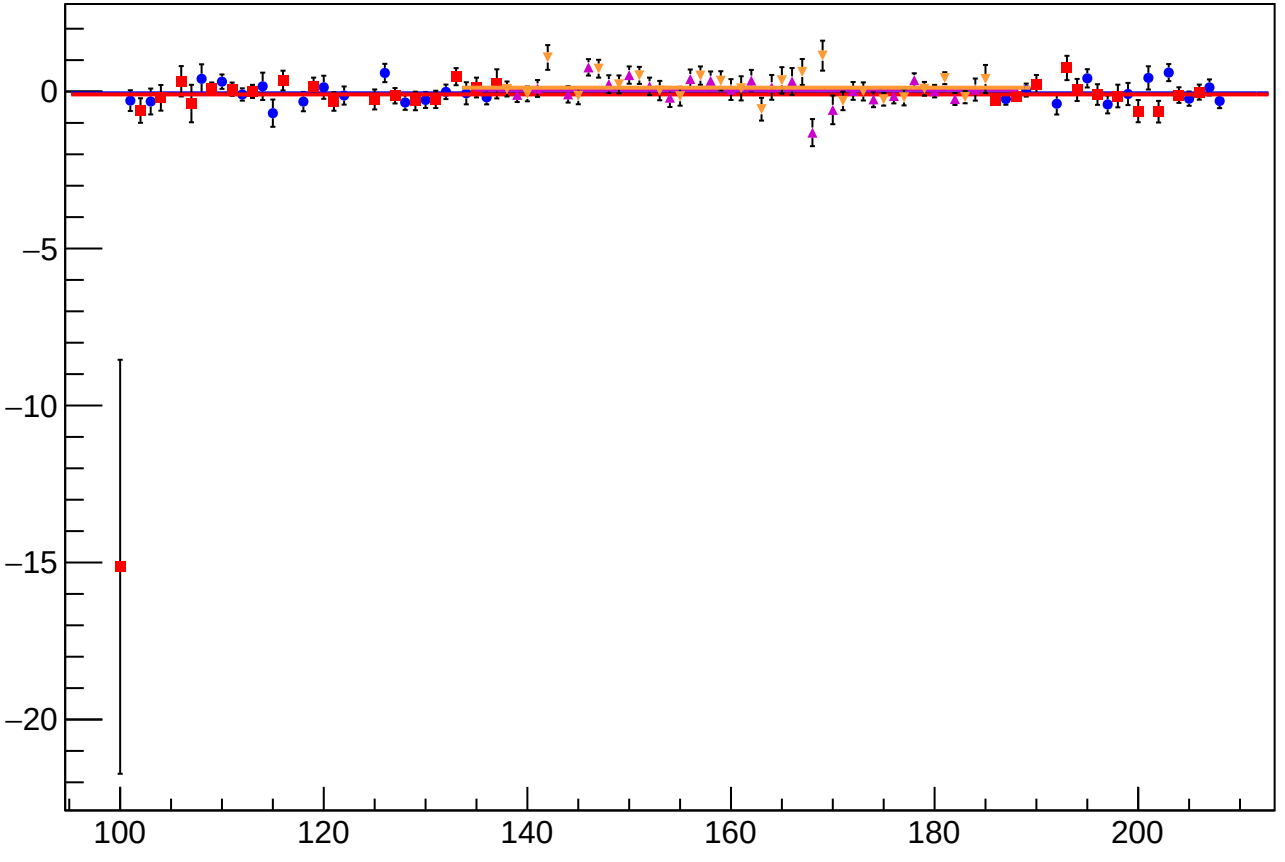
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.025+/-0.002 χ^2/NDF: 55.6/50

All: 0.025+/-0.001 χ^2/NDF: 22411.3/102

- sign 0.025+/-0.002 χ^2/NDF: 22355.7/51

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.057+/-0.052 χ^2/NDF: 31.8/26

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.092+/-0.047 χ^2/NDF: 33.6/28

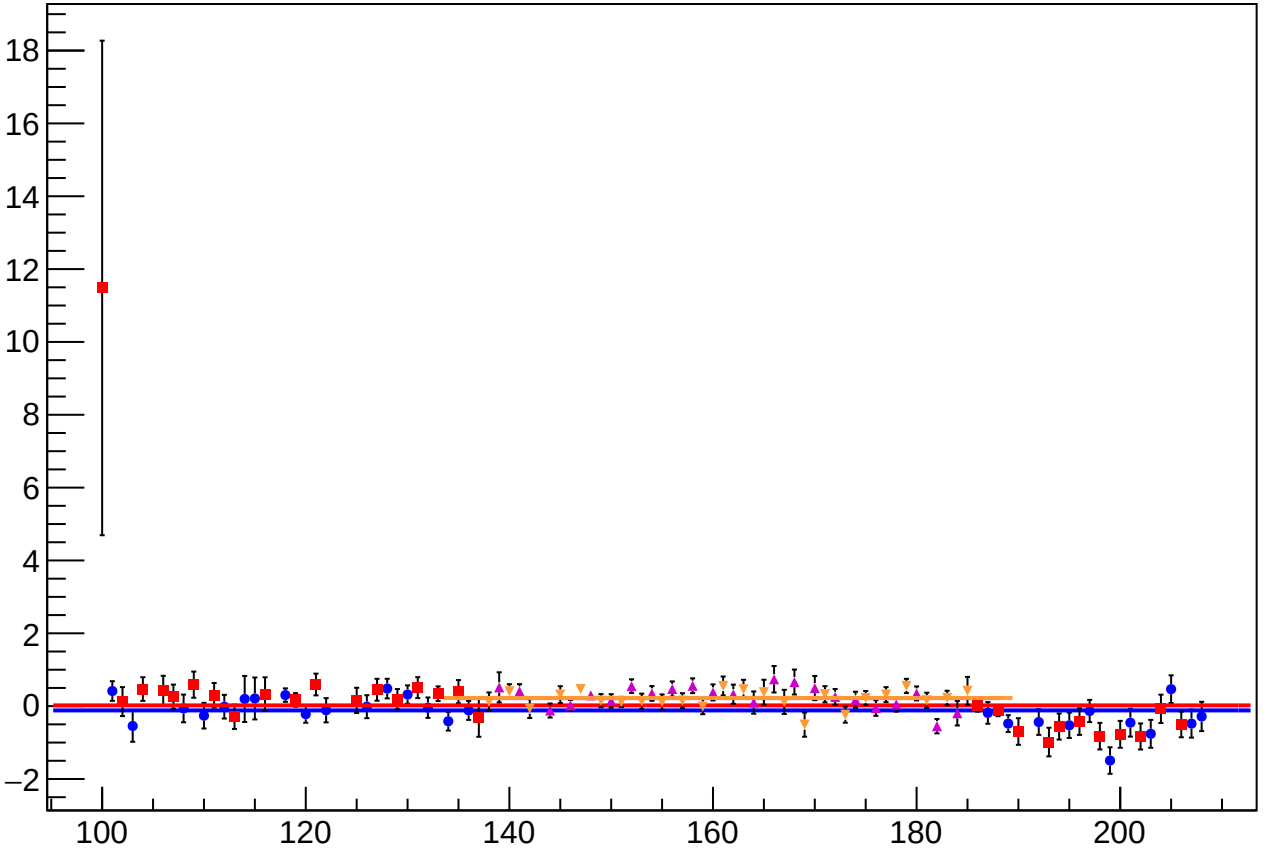
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.025+/-0.038 χ^2/NDF: 76.8/50

All: -0.004+/-0.026 χ^2/NDF: 150.1/102

- sign -0.030+/-0.036 χ^2/NDF: 72.2/51

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.117+/-0.059 χ^2/NDF: 46.6/26

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.021+/-0.054 χ^2/NDF: 58.4/28

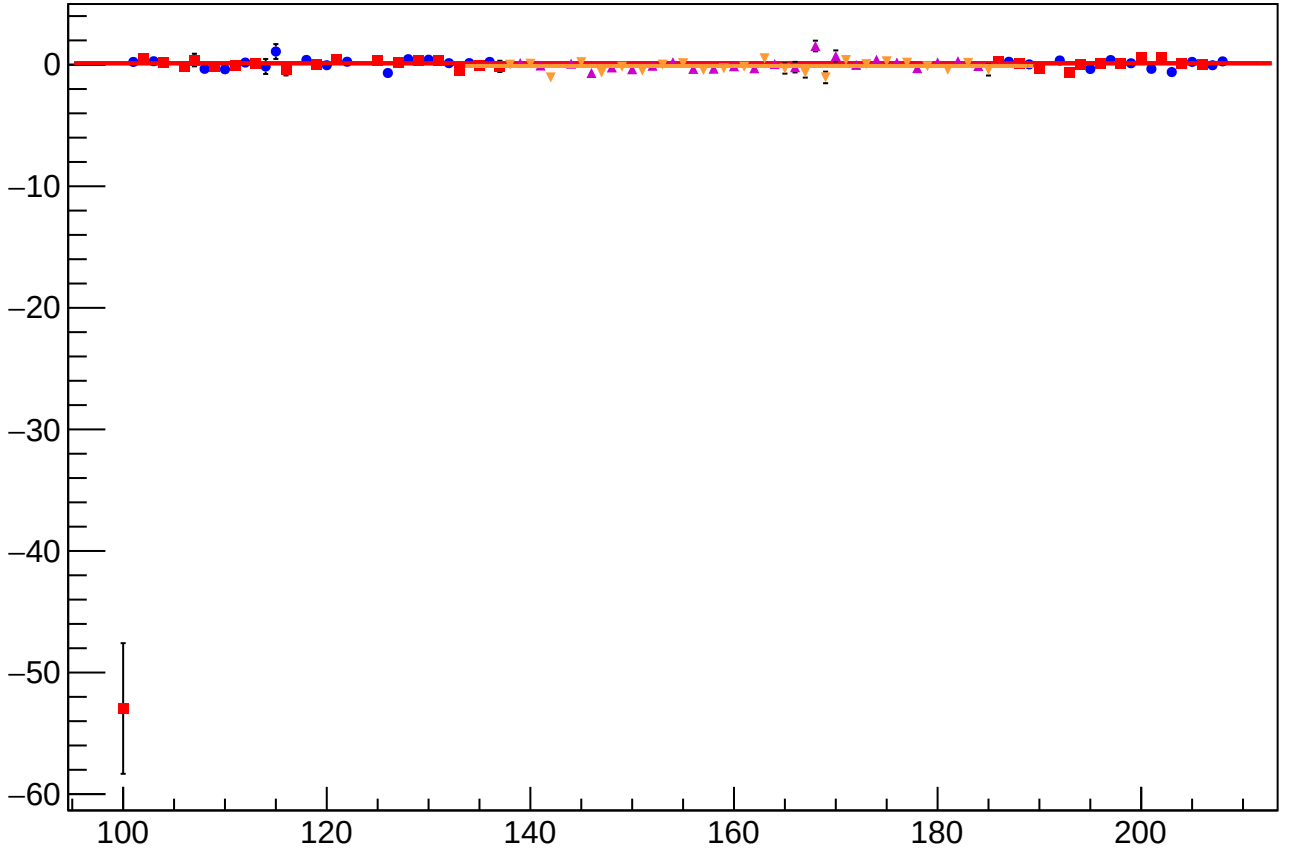
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.106+/-0.035 χ^2/NDF: 92.5/50

All: 0.124+/-0.024 χ^2/NDF: 198.9/102

- sign 0.142+/-0.034 χ^2/NDF: 105.9/51

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.110+/-0.052 χ^2/NDF: 32.1/26

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.129+/-0.045 χ^2/NDF: 122.8/28

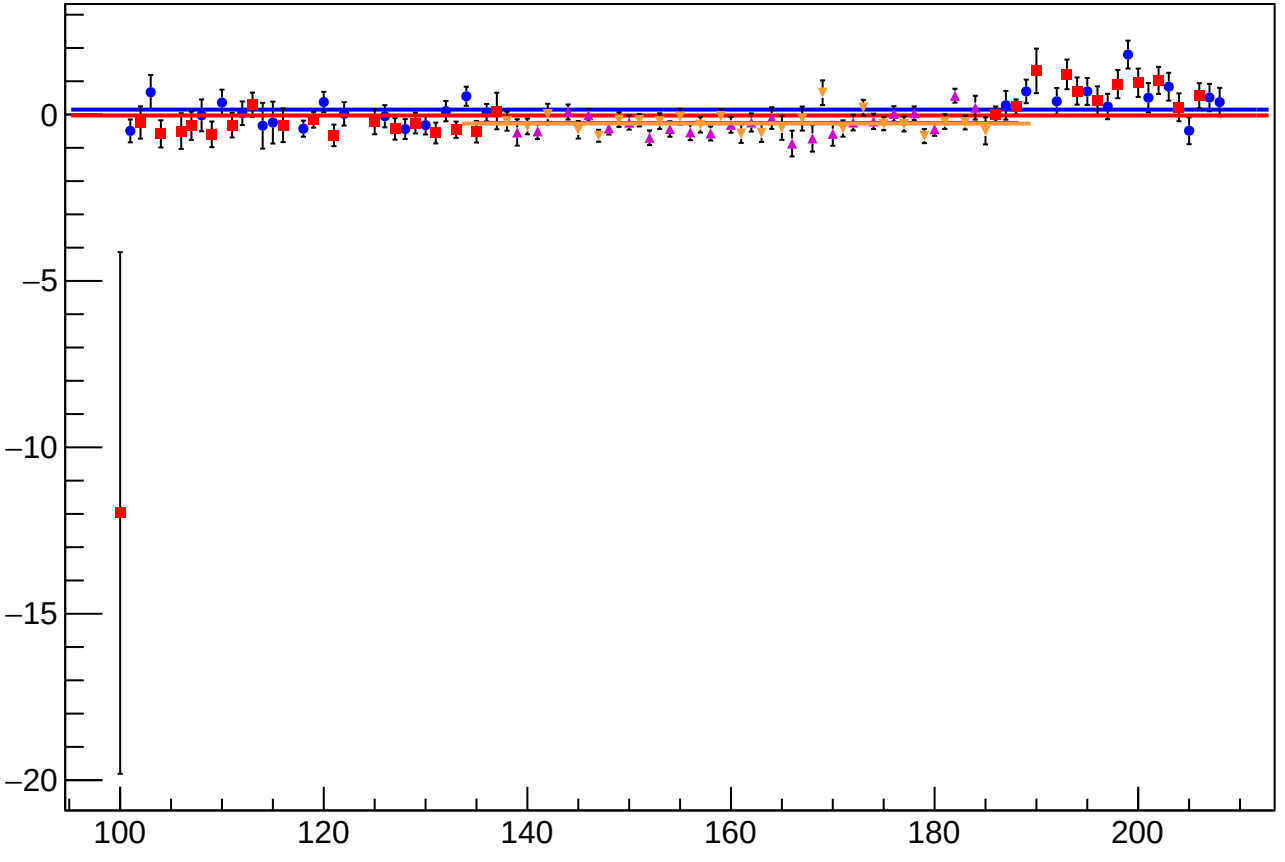
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.010+/-0.038 χ^2/NDF: 77.5/50

All: 0.046+/-0.026 χ^2/NDF: 243.5/102

- sign 0.076+/-0.035 χ^2/NDF: 164.4/51

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.069 χ^2/NDF: 48.5/26

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.029+/-0.066 χ^2/NDF: 61.0/28

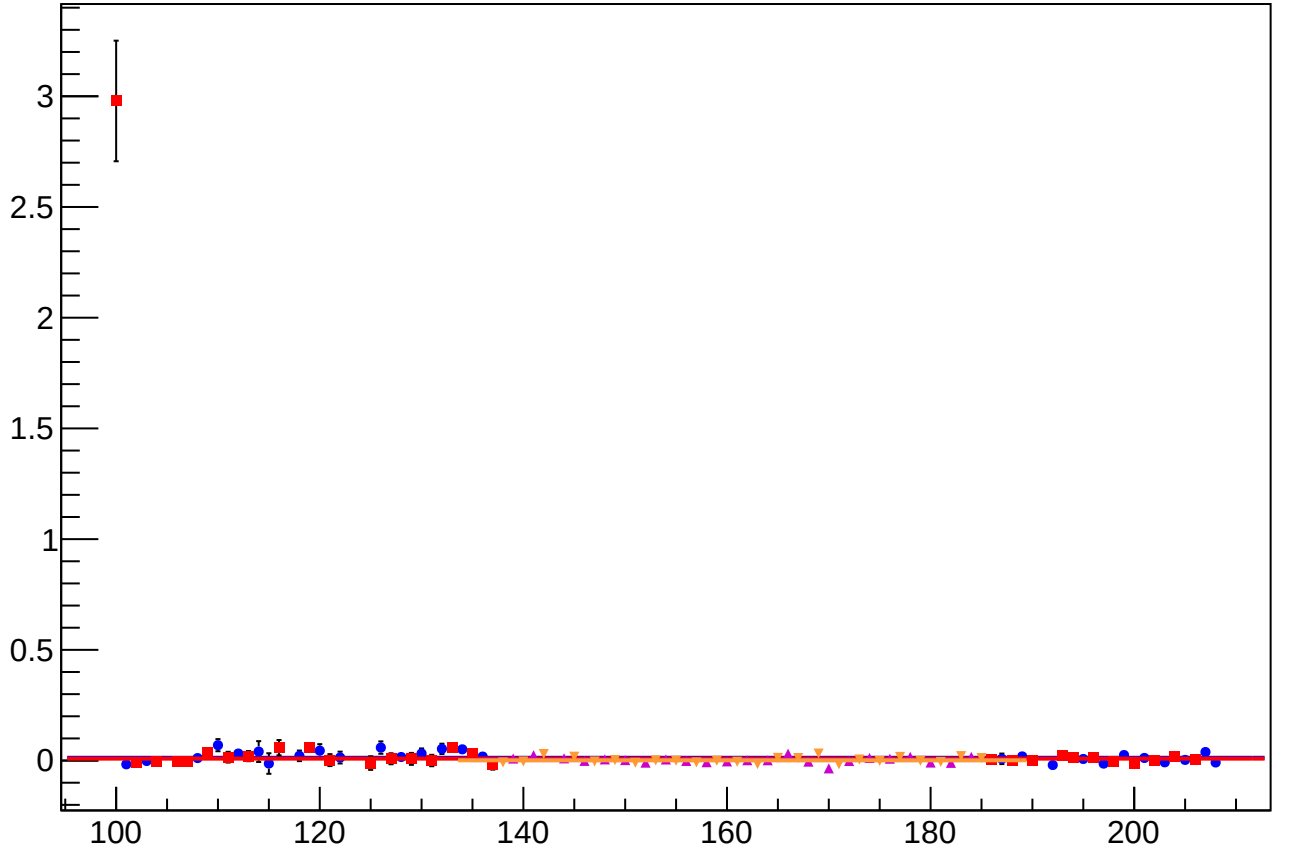
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.131+/-0.040 χ^2/NDF: 97.7/50

All: -0.151+/-0.028 χ^2/NDF: 207.1/102

- sign -0.172+/-0.040 χ^2/NDF: 108.9/51

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.013+/-0.003 χ^2/NDF: 44.3/26

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 149.7/28

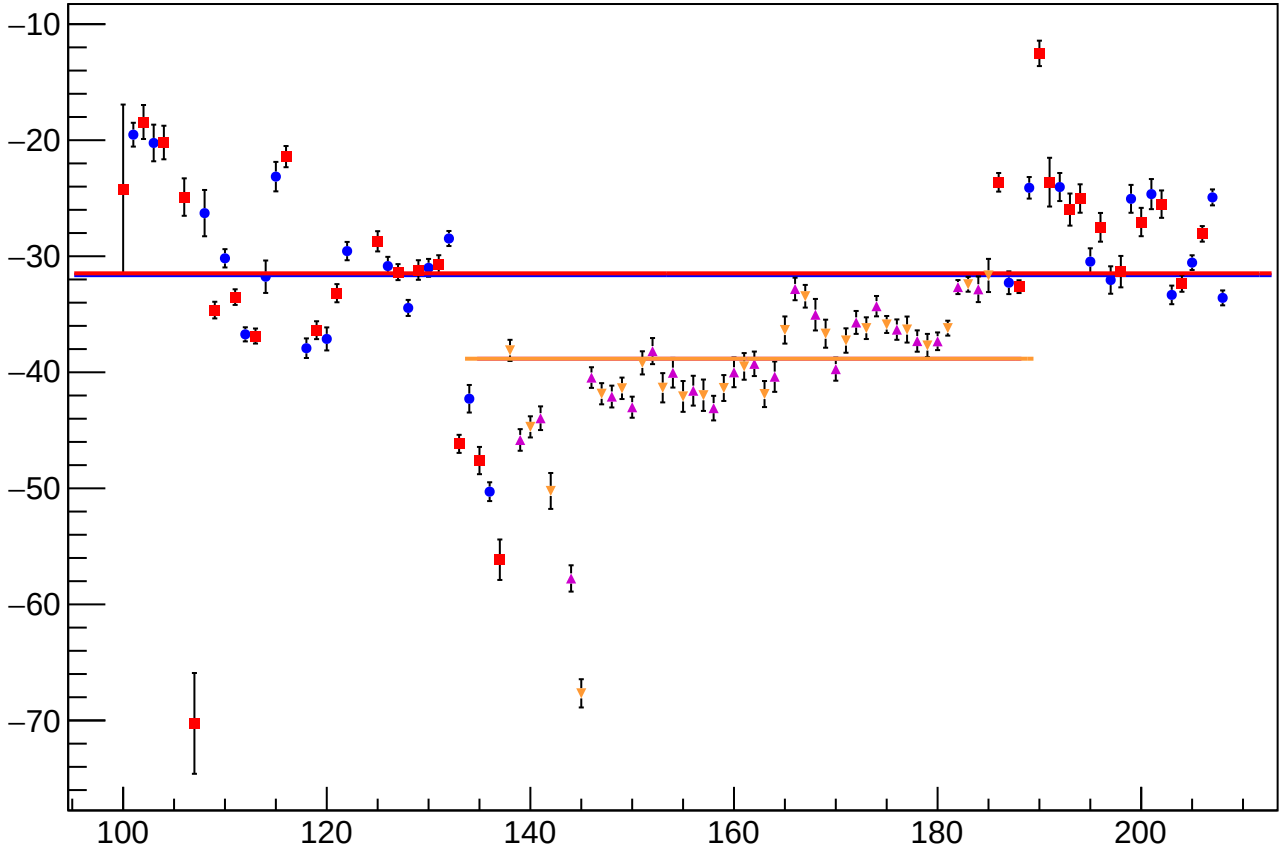
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 79.4/50

All: 0.005+/-0.001 χ^2/NDF: 256.6/102

- sign 0.004+/-0.002 χ^2/NDF: 177.2/51

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -31.629+/-0.168 χ^2/NDF: 1339.6/26

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.472+/-0.168 χ^2/NDF: 1792.2/29

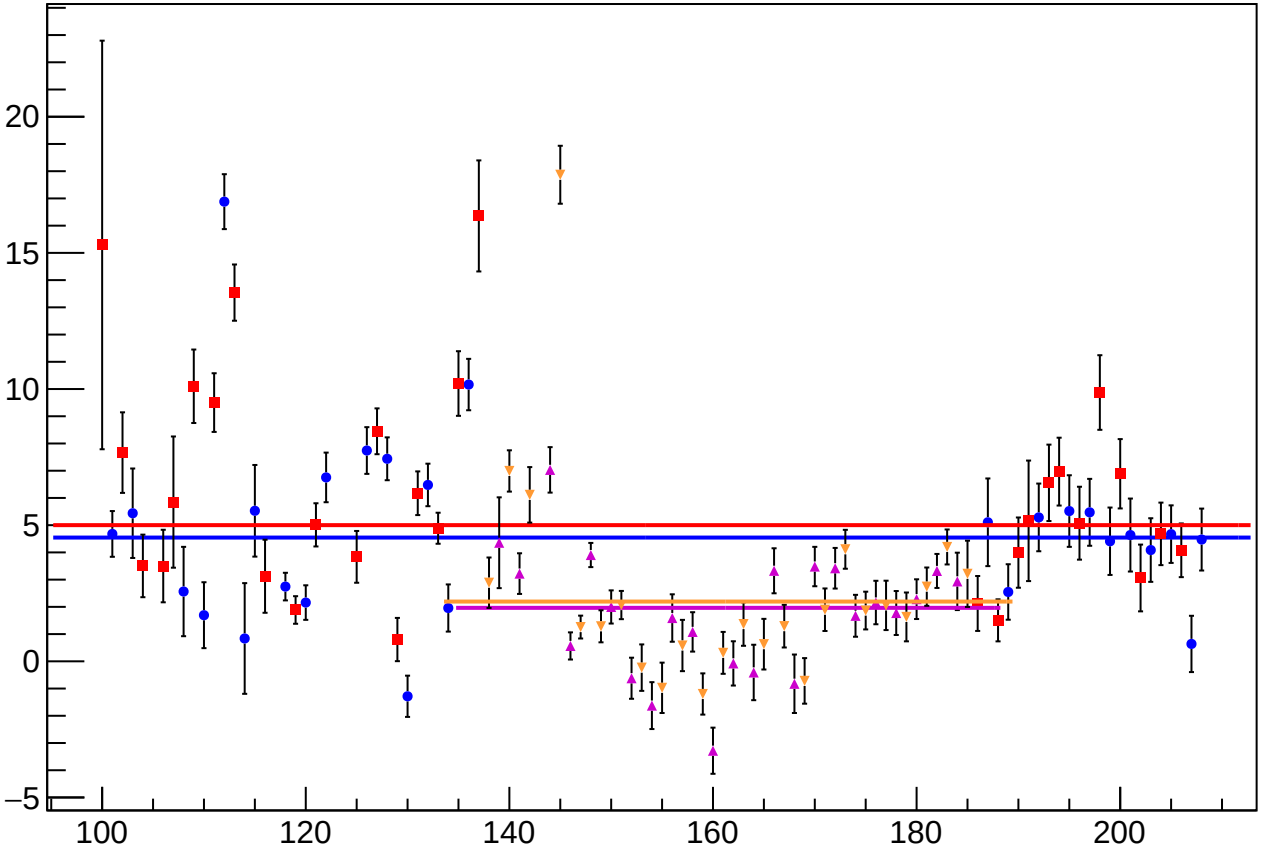
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -34.581+/-0.129 χ^2/NDF: 3005.8/50

All: -34.517+/-0.091 χ^2/NDF: 6232.3/103

- sign -34.453+/-0.129 χ^2/NDF: 3226.1/52

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.545+/-0.187 χ^2/NDF: 350.3/26

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.001+/-0.186 χ^2/NDF: 298.0/29

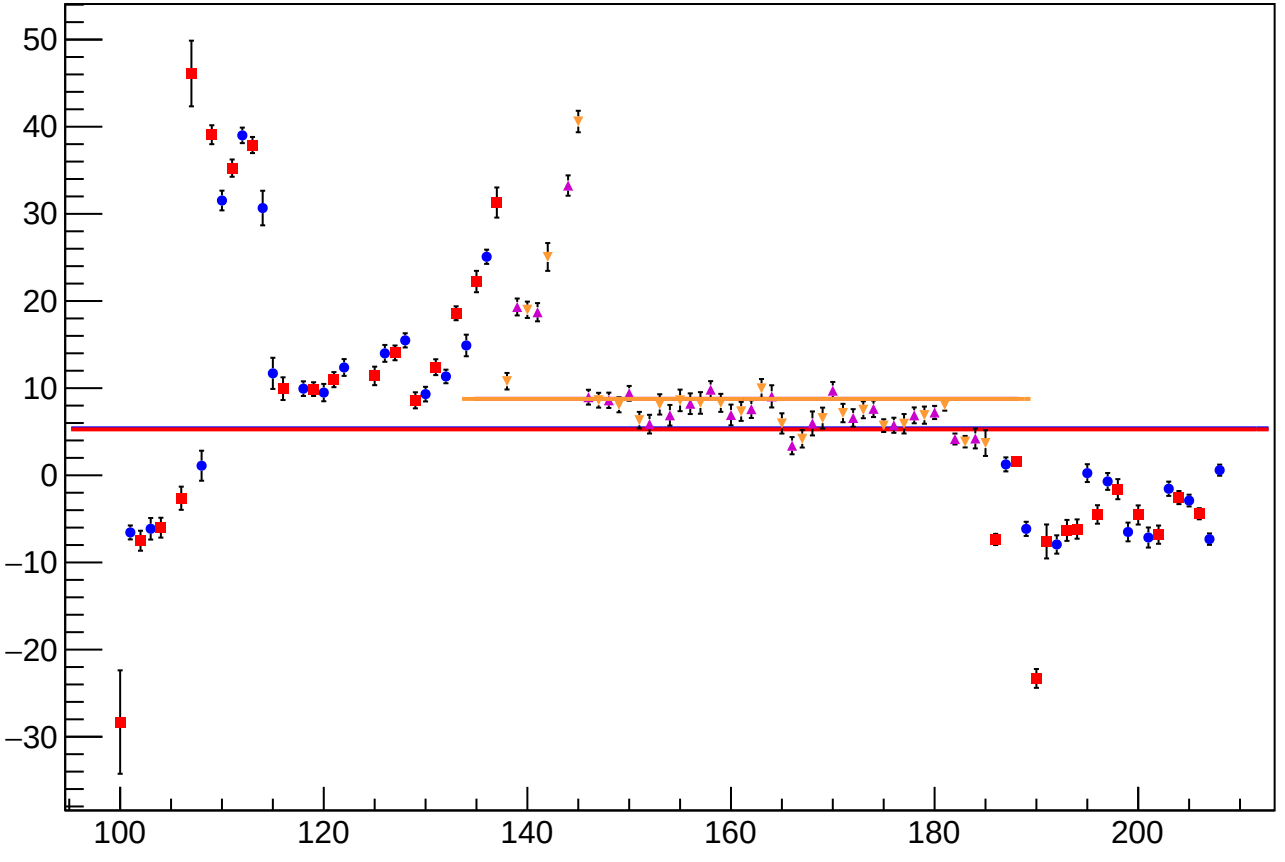
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.131+/-0.118 χ^2/NDF: 810.4/50

All: 3.167+/-0.084 χ^2/NDF: 1439.1/103

- sign 3.204+/-0.119 χ^2/NDF: 628.6/52

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 5.388+/-0.175 χ^2/NDF: 4846.6/26

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 5.271+/-0.172 χ^2/NDF: 6602.3/29

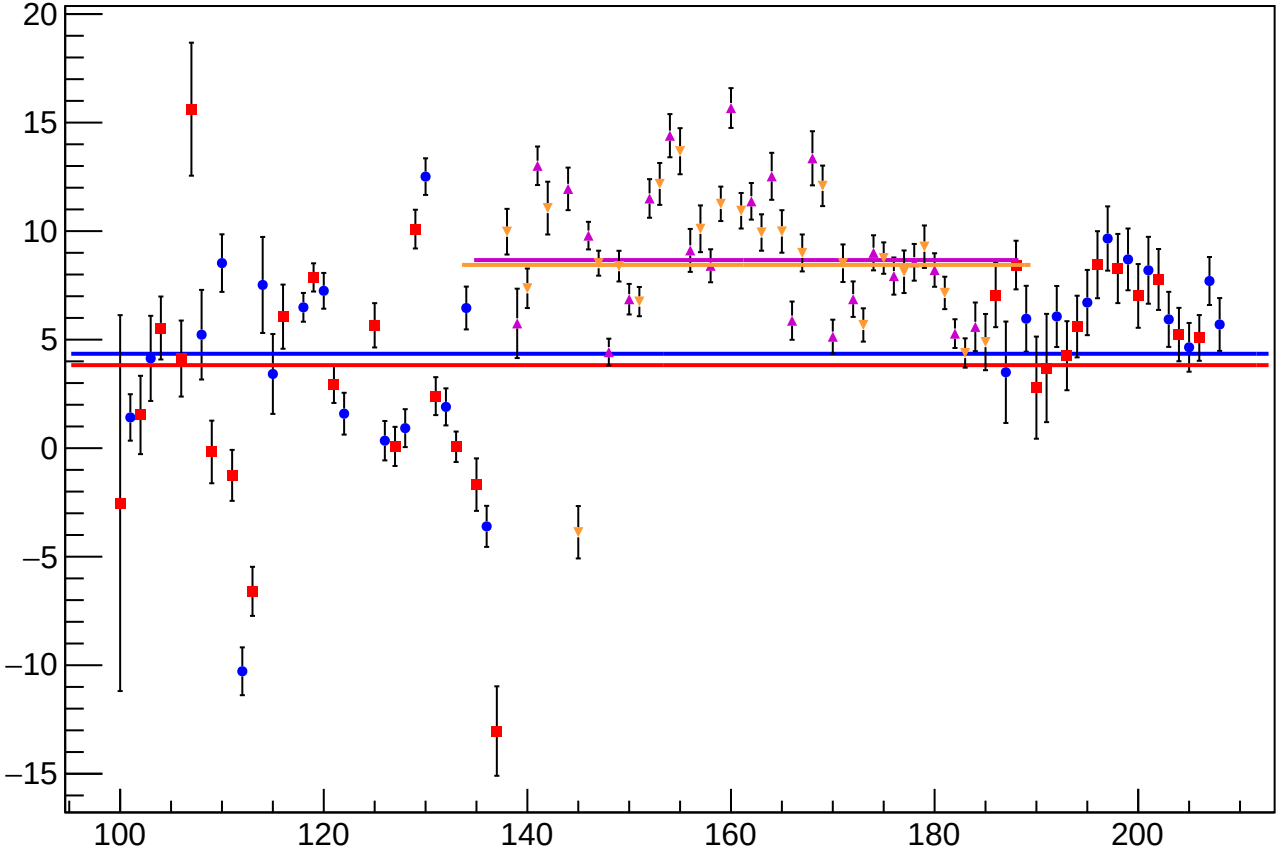
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 6.852+/-0.132 χ^2/NDF: 6042.8/50

All: 6.801+/-0.093 χ^2/NDF: 13615.1/103

- sign 6.750+/-0.131 χ^2/NDF: 7572.0/52

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.349+/-0.216 χ^2/NDF: 485.1/26

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.825+/-0.219 χ^2/NDF: 416.3/29

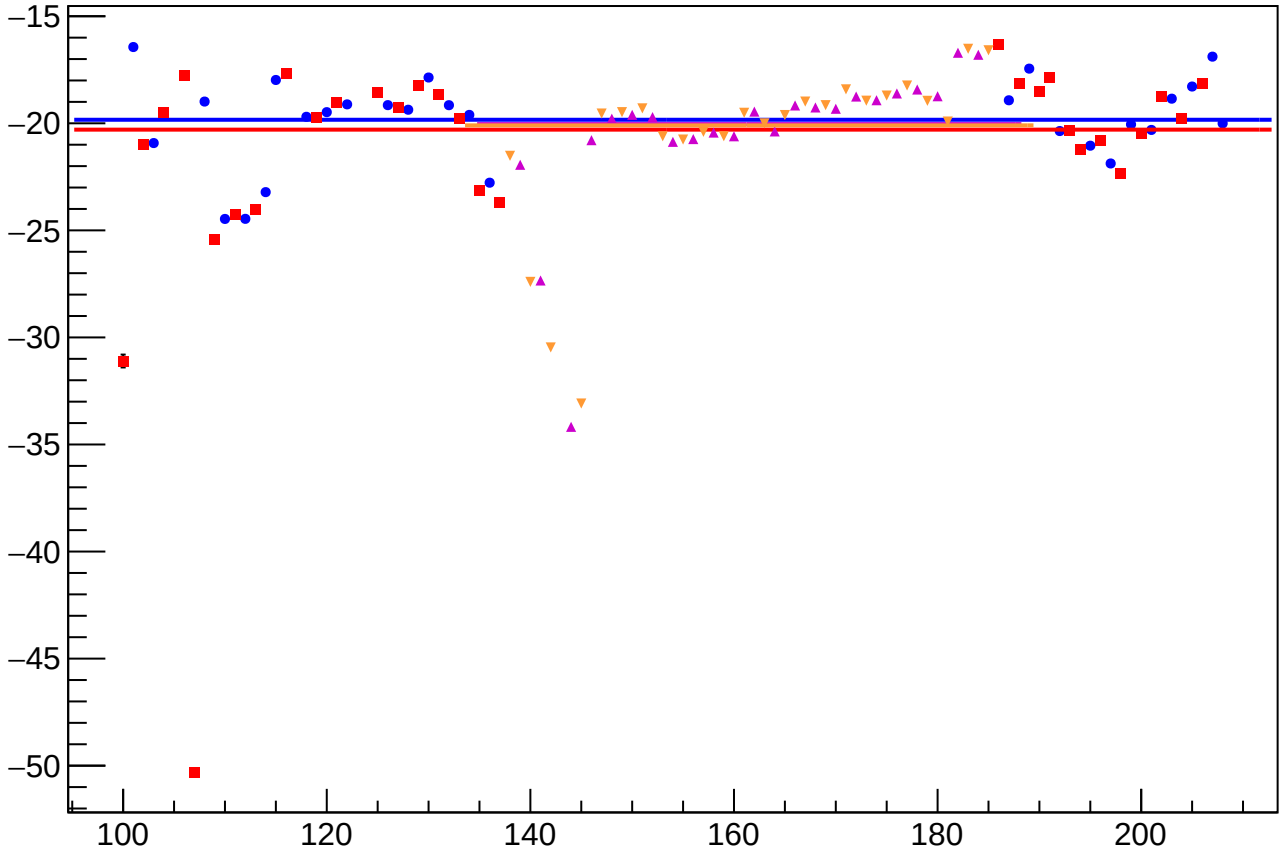
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

+ sign 6.839+/-0.135 χ^2/NDF: 967.2/50

All: 6.803+/-0.096 χ^2/NDF: 1986.7/103

- sign 6.766+/-0.137 χ^2/NDF: 1019.3/52

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.835+/-0.011 χ^2/NDF: 31006.7/26

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.296+/-0.011 χ^2/NDF: 71472.4/29

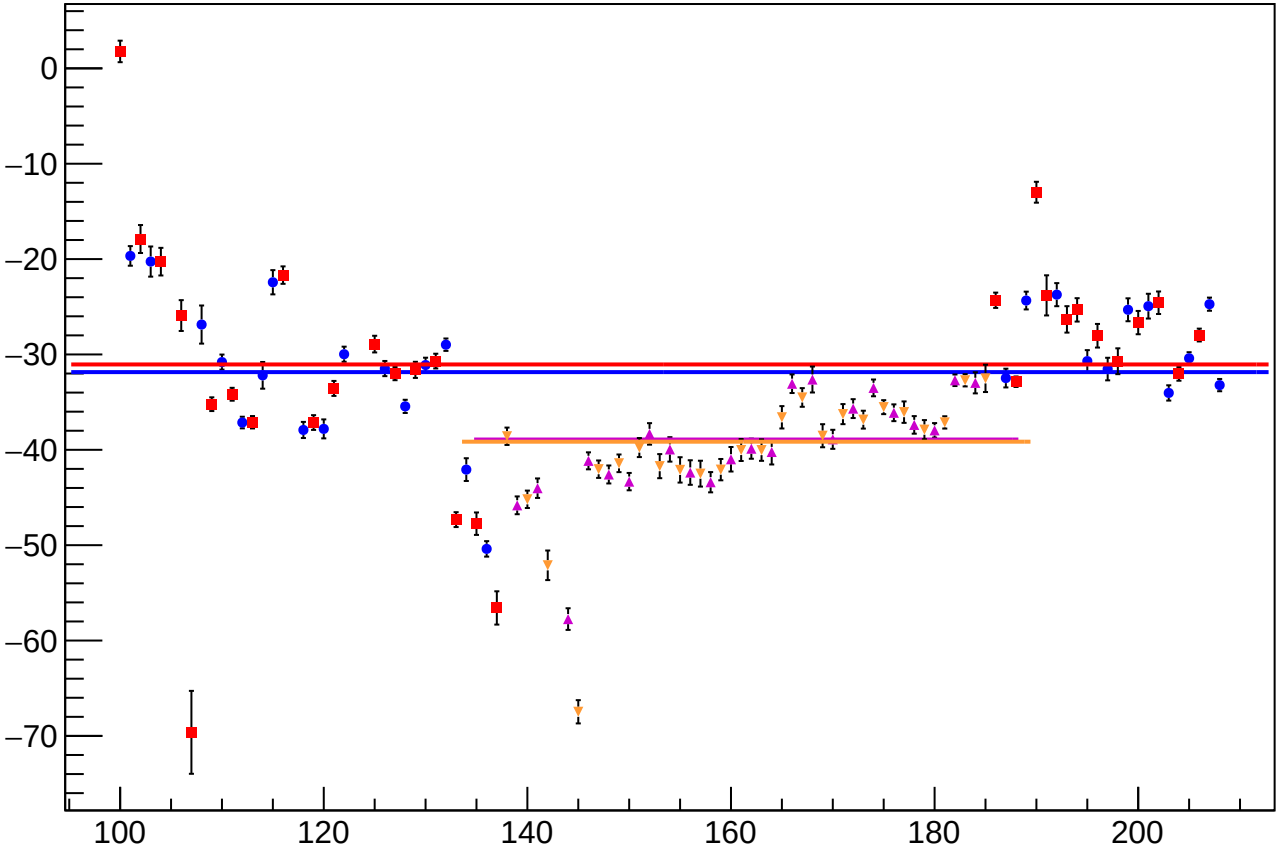
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.005+/-0.006 χ^2/NDF: 190680.0/50

All: -20.066+/-0.005 χ^2/NDF: 395003.8/103

- sign -20.127+/-0.006 χ^2/NDF: 204138.4/52

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.852+/-0.169 χ^2/NDF: 1360.6/26

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.049+/-0.166 χ^2/NDF: 2719.1/29

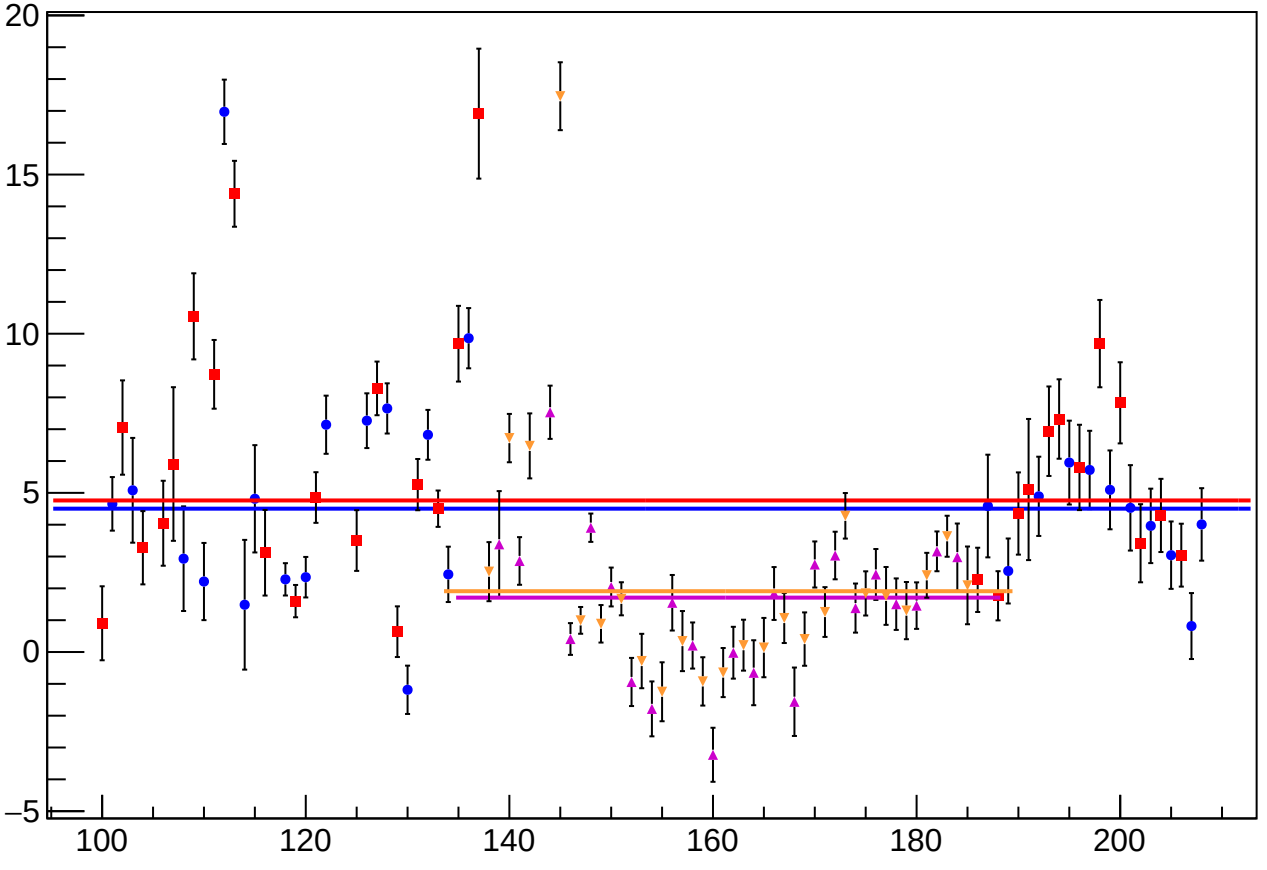
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

\+ sign -34.843+/-0.130 χ^2/NDF: 3025.8/50

All: -34.517+/-0.091 χ^2/NDF: 7338.0/103

\- sign -34.195+/-0.129 χ^2/NDF: 4299.6/52

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.503+/-0.187 χ^2/NDF: 348.1/26

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.762+/-0.184 χ^2/NDF: 325.0/29

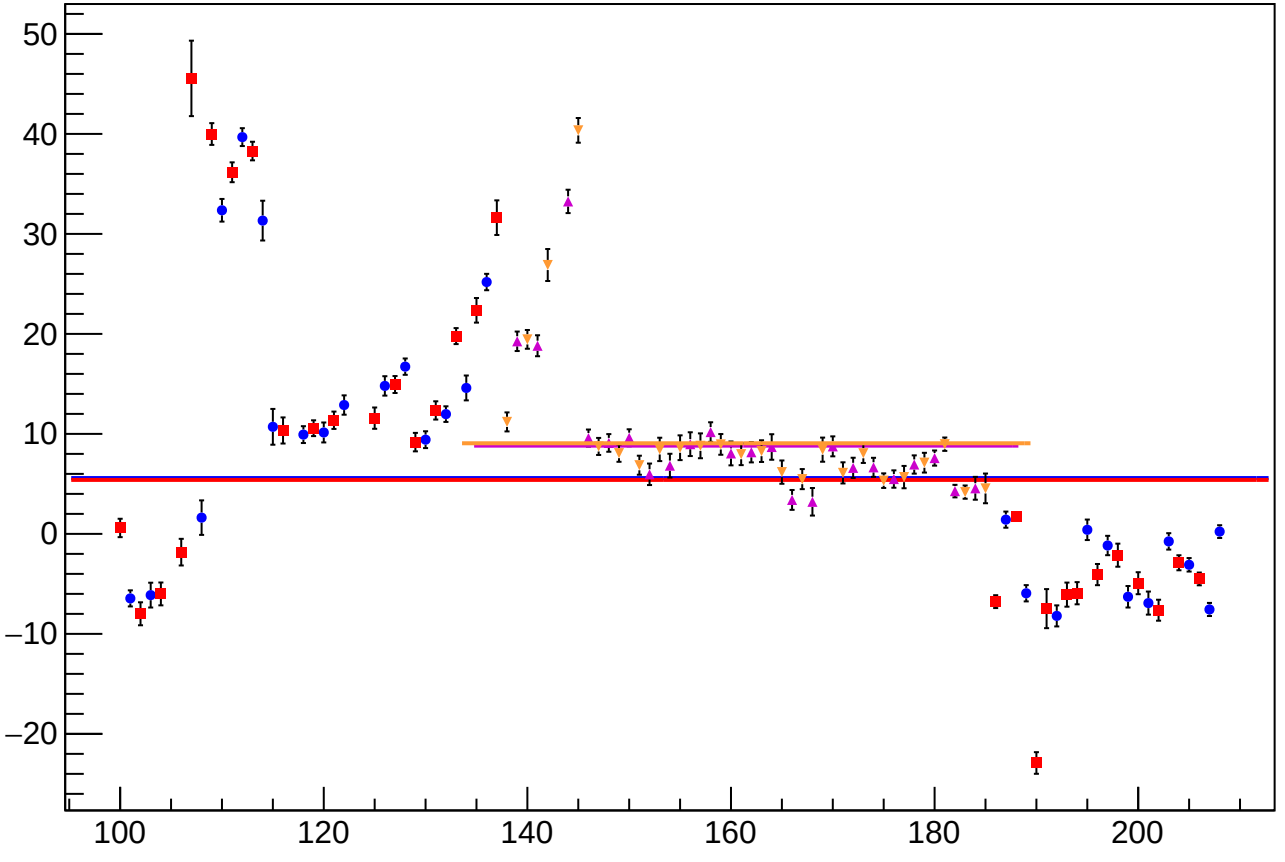
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.943+/-0.118 χ^2/NDF: 822.6/50

All: 2.958+/-0.084 χ^2/NDF: 1491.0/103

- sign 2.974+/-0.119 χ^2/NDF: 668.3/52

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 5.582+/-0.176 χ^2/NDF: 5011.4/26

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 5.398+/-0.170 χ^2/NDF: 6785.3/29

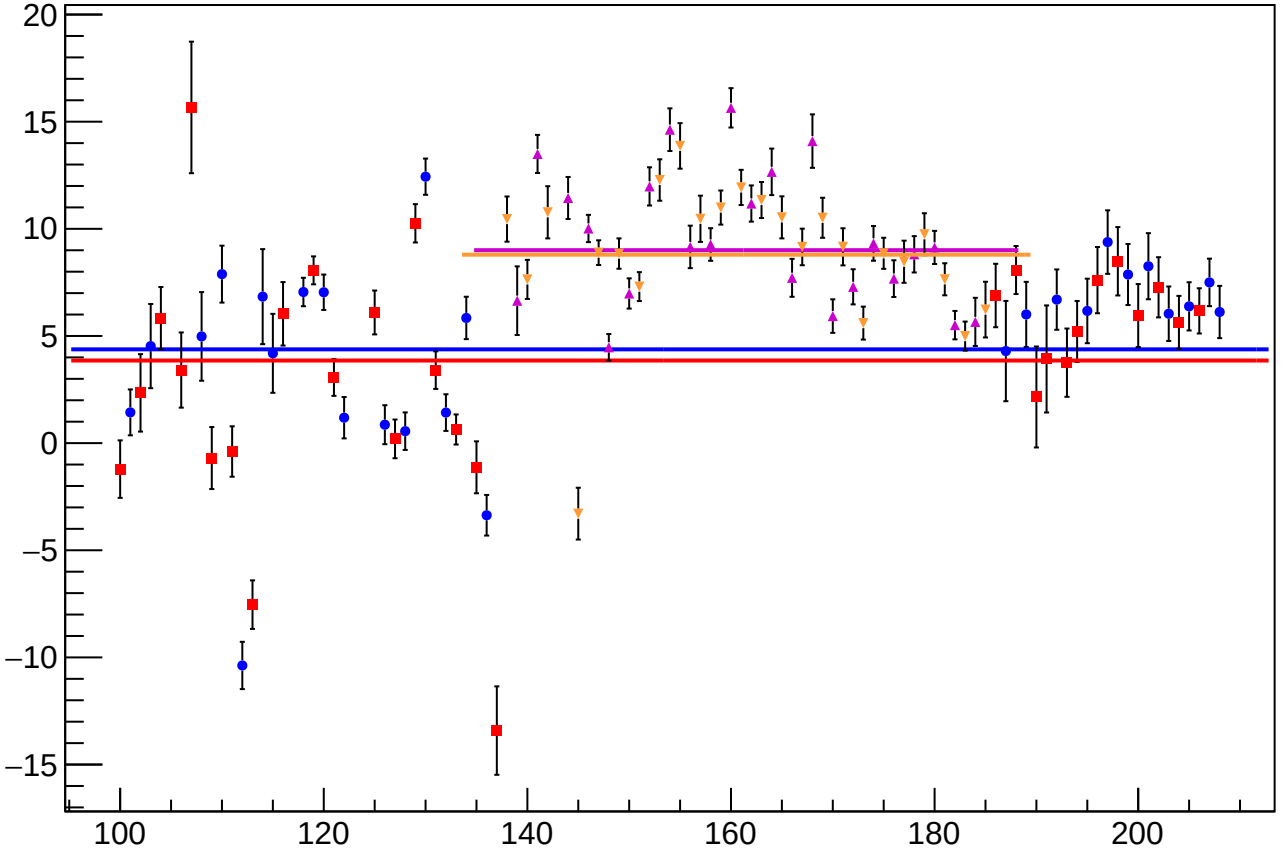
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 7.090+/-0.132 χ^2/NDF: 6214.9/50

All: 6.951+/-0.093 χ^2/NDF: 13972.7/103

- sign 6.817+/-0.130 χ^2/NDF: 7755.6/52

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.376+/-0.217 χ^2/NDF: 481.7/26

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.855+/-0.216 χ^2/NDF: 430.1/29

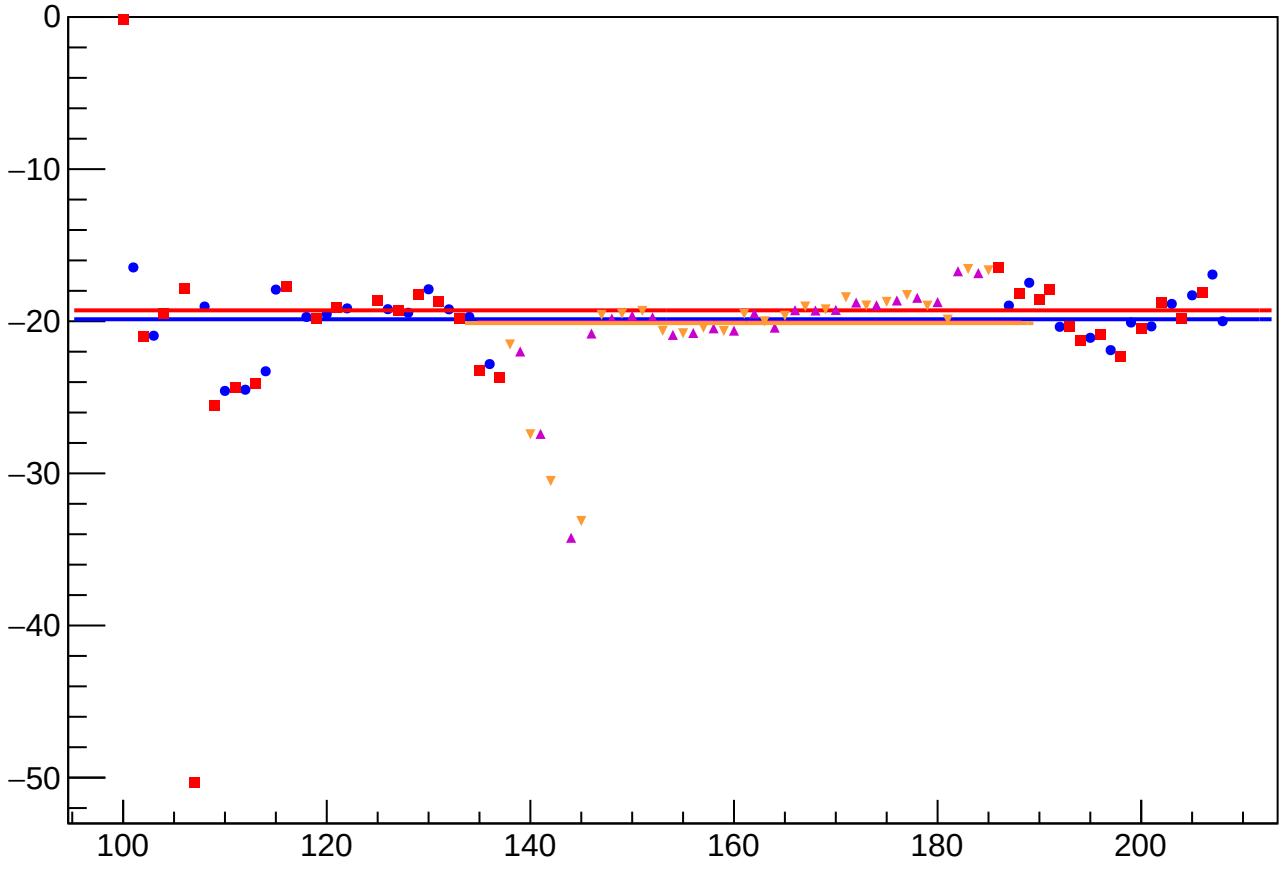
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.063+/-0.136 χ^2/NDF: 978.6/50

All: 7.007+/-0.096 χ^2/NDF: 2039.8/103

- sign 6.951+/-0.136 χ^2/NDF: 1060.9/52

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.869+/-0.011 χ^2/NDF: 31018.6/26

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.283+/-0.011 χ^2/NDF: 247532.7/29

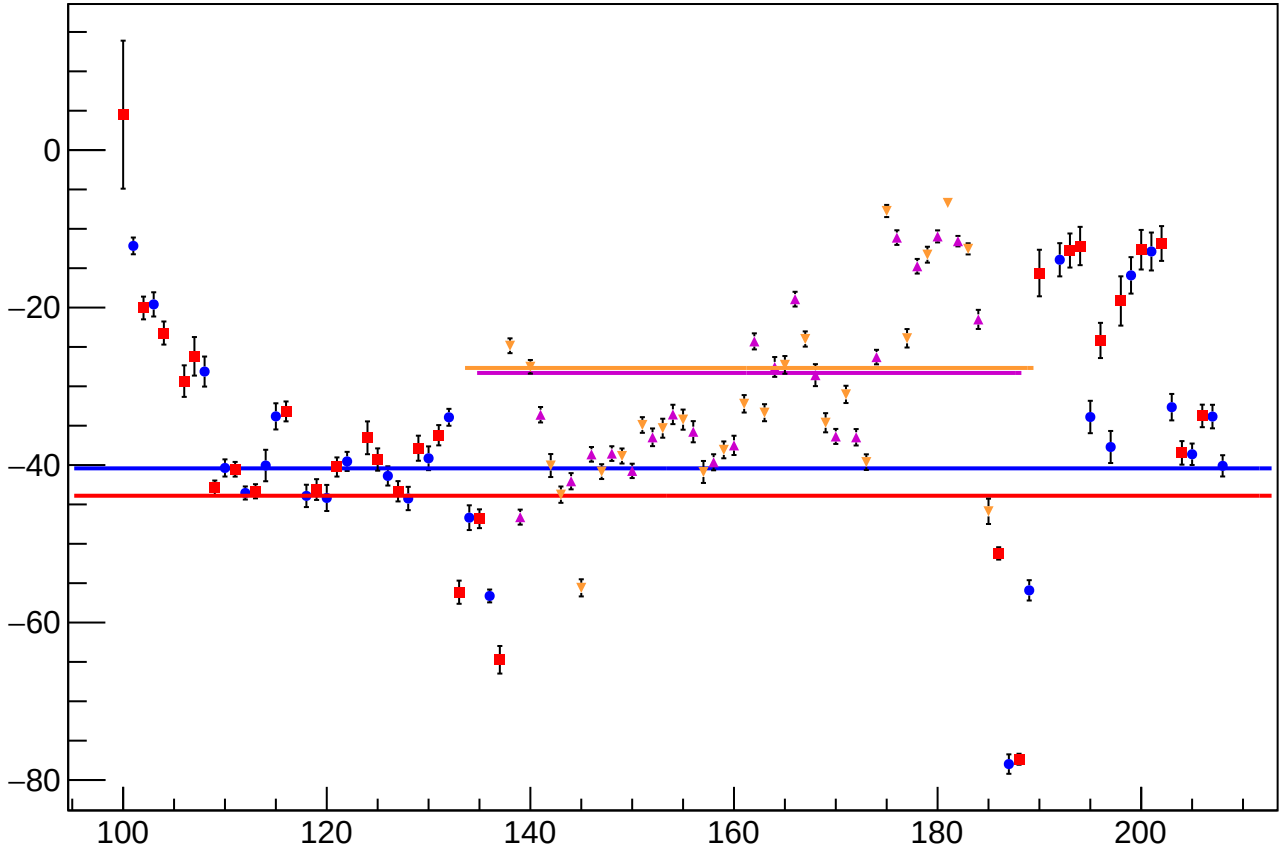
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

\+ sign -20.034+/-0.006 χ^2/NDF: 189956.7/50

All: -19.907+/-0.004 χ^2/NDF: 574462.9/103

\- sign -19.782+/-0.006 χ^2/NDF: 383722.6/52

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -40.420+/-0.262 χ^2/NDF: 2950.1/26

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -43.896+/-0.247 χ^2/NDF: 4425.4/29

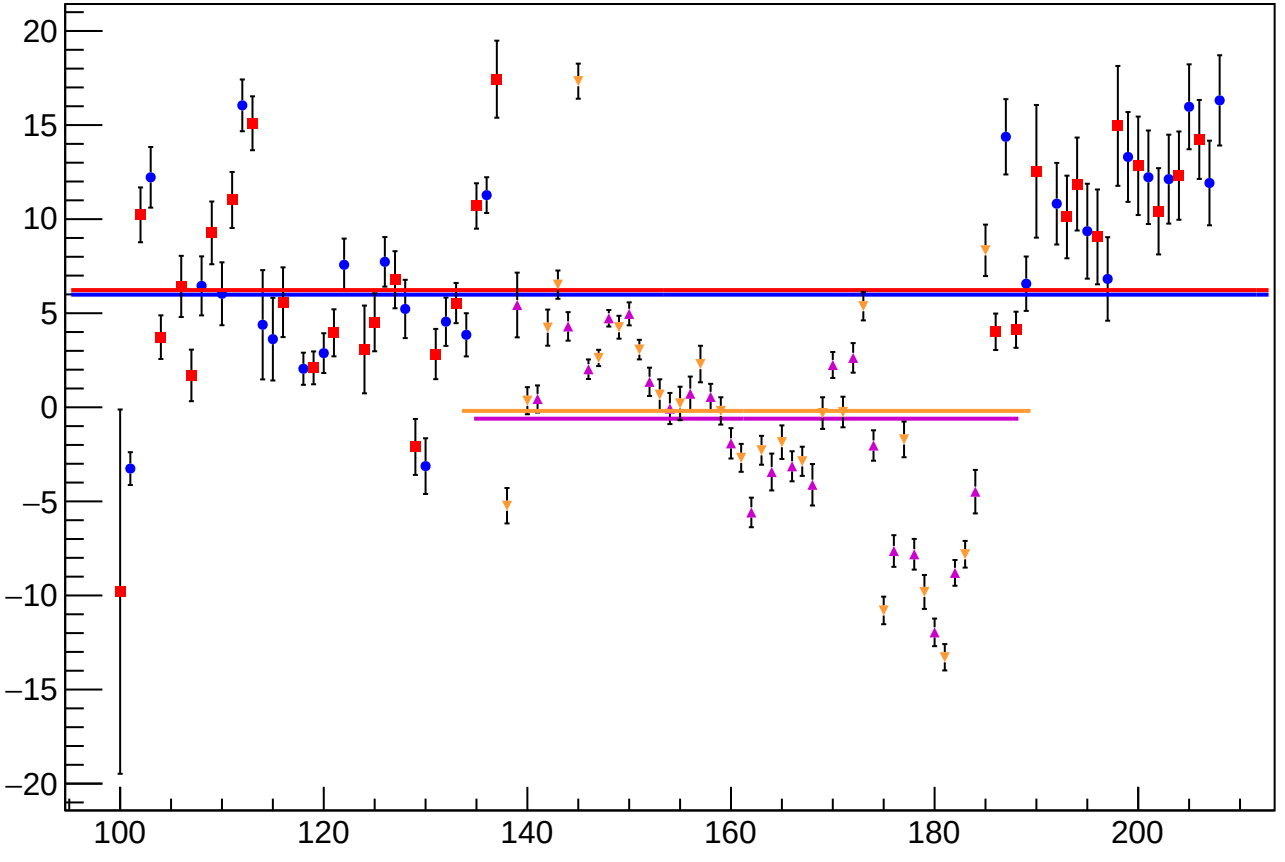
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

\+ sign -32.377+/-0.159 χ^2/NDF: 8841.3/51

All: -33.542+/-0.112 χ^2/NDF: 18998.9/104

\- sign -34.690+/-0.158 χ^2/NDF: 10051.3/52

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 5.987+/-0.284 χ^2/NDF: 381.4/26

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.229+/-0.276 χ^2/NDF: 250.3/29

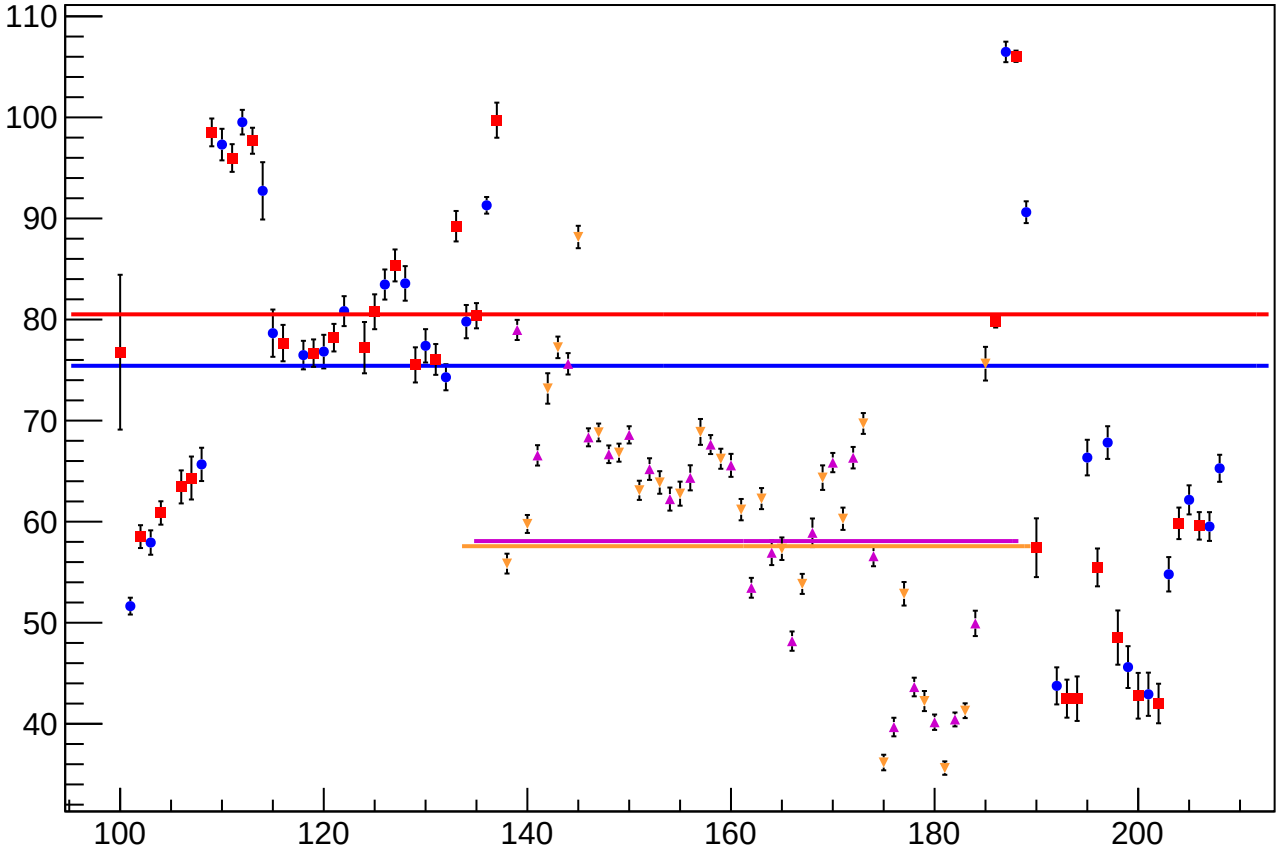
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 1.158+/-0.133 χ^2/NDF: 2296.9/51

All: 1.099+/-0.095 χ^2/NDF: 3988.4/104

- sign 1.037+/-0.135 χ^2/NDF: 1691.1/52

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 75.423+/-0.267 χ^2/NDF: 4472.1/26

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 80.514+/-0.247 χ^2/NDF: 5767.8/29

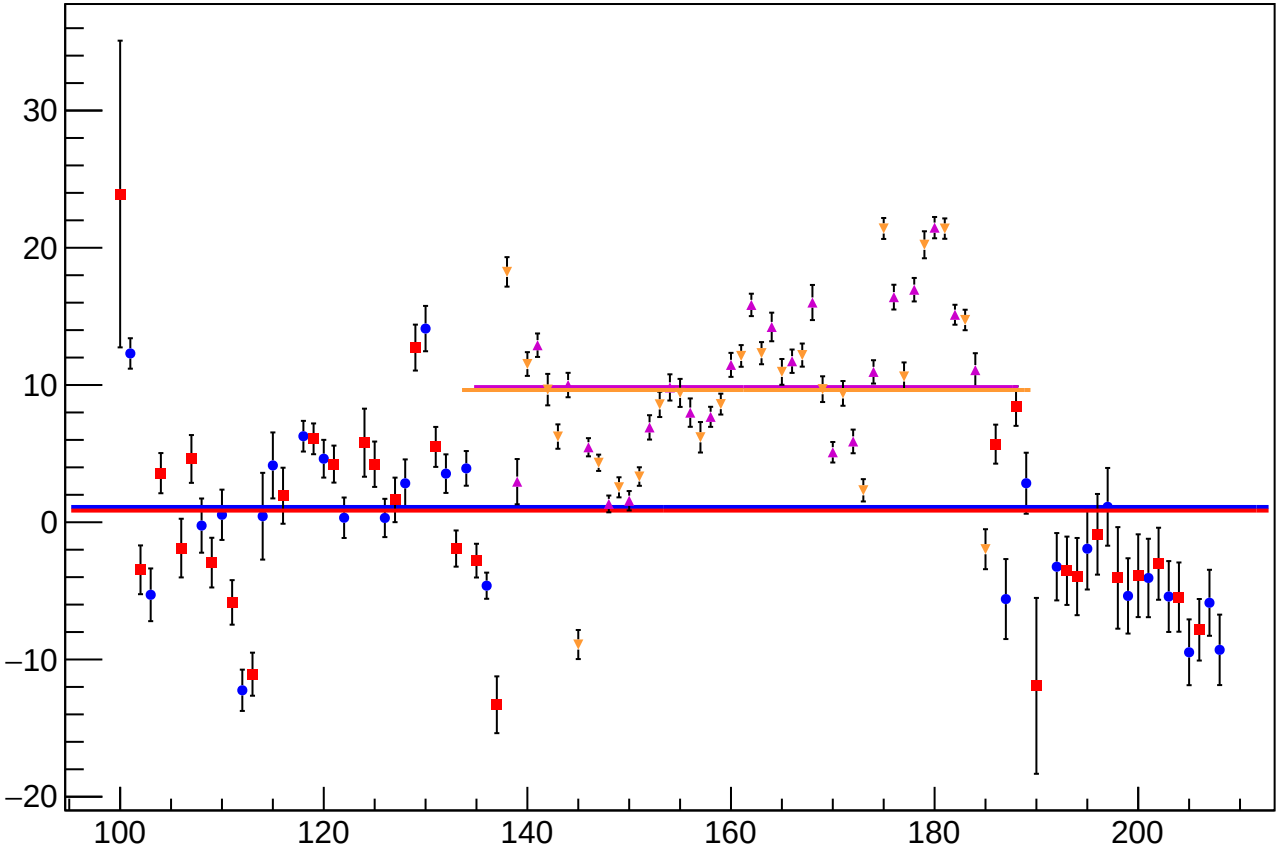
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

\+ sign 63.933+/-0.160 χ^2/NDF: 12025.0/51

All: 65.577+/-0.112 χ^2/NDF: 26484.2/104

\- sign 67.166+/-0.157 χ^2/NDF: 14250.5/52

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 1.113+/-0.329 χ^2/NDF: 399.1/26

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 0.850+/-0.328 χ^2/NDF: 333.7/29

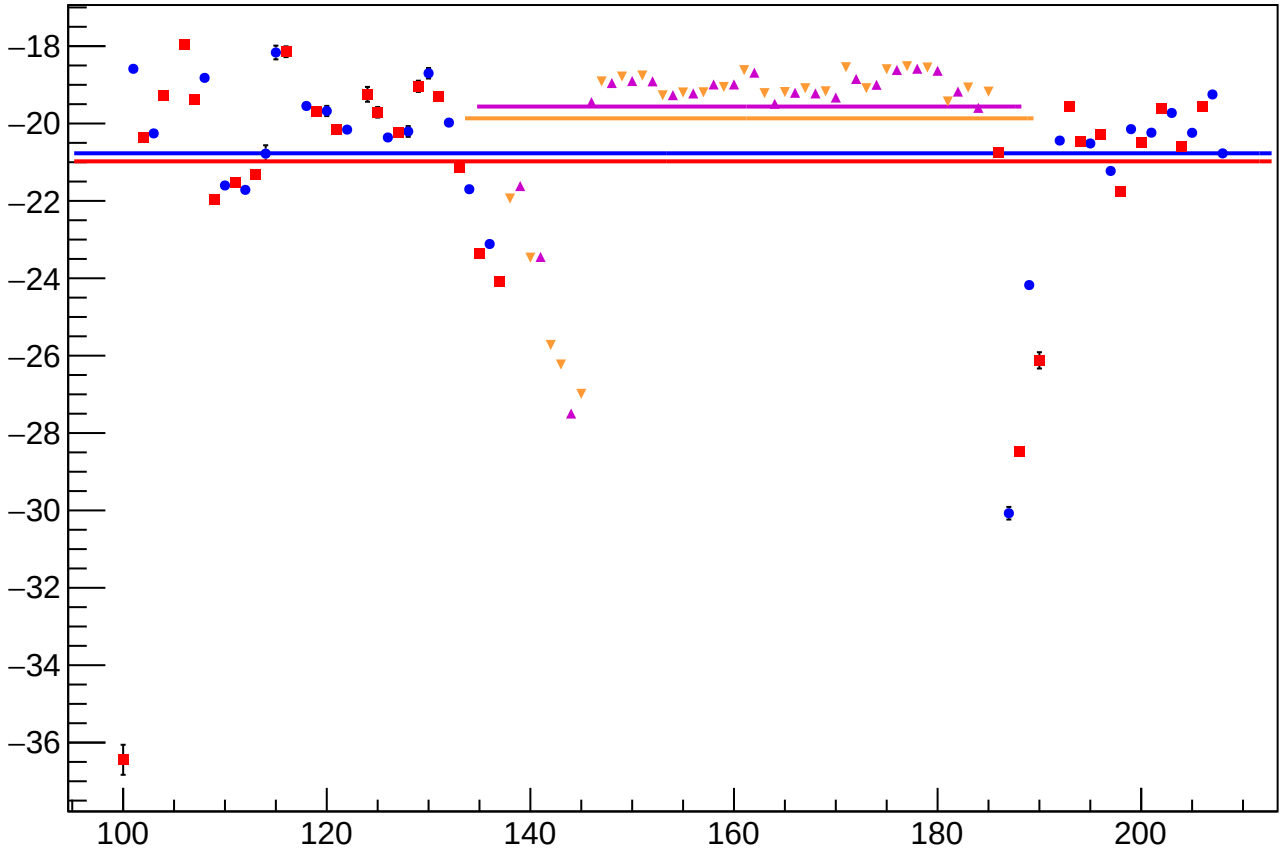
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 7.820+/-0.152 χ^2/NDF: 2417.4/51

All: 7.825+/-0.109 χ^2/NDF: 4328.9/104

- sign 7.829+/-0.155 χ^2/NDF: 1911.5/52

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.770+/-0.016 χ^2/NDF: 12534.7/26

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.978+/-0.016 χ^2/NDF: 20670.6/29

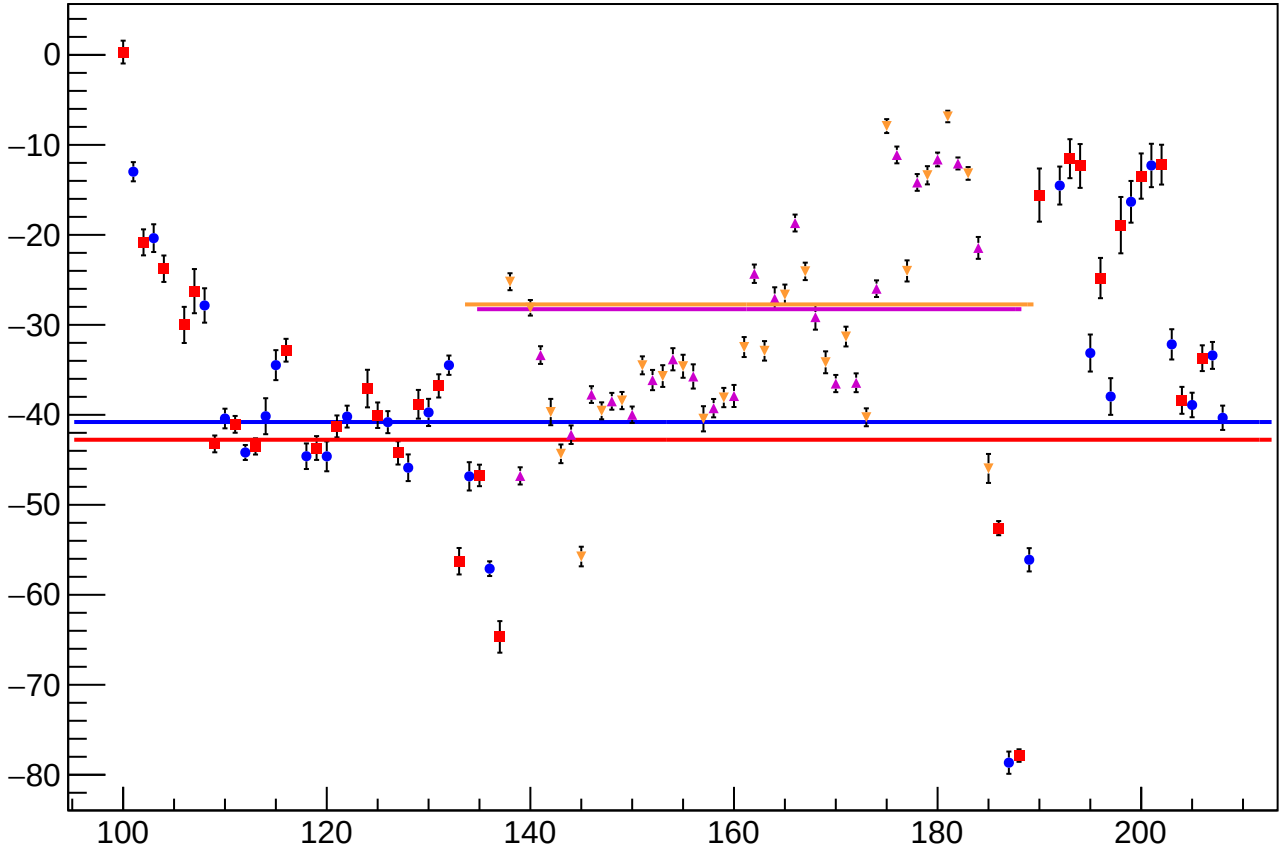
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.041+/-0.007 χ^2/NDF: 93987.1/51

All: -19.939+/-0.005 χ^2/NDF: 166376.0/104

- sign -19.835+/-0.007 χ^2/NDF: 71969.6/52

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -40.798+/-0.262 χ^2/NDF: 2958.7/26

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -42.768+/-0.243 χ^2/NDF: 5637.1/29

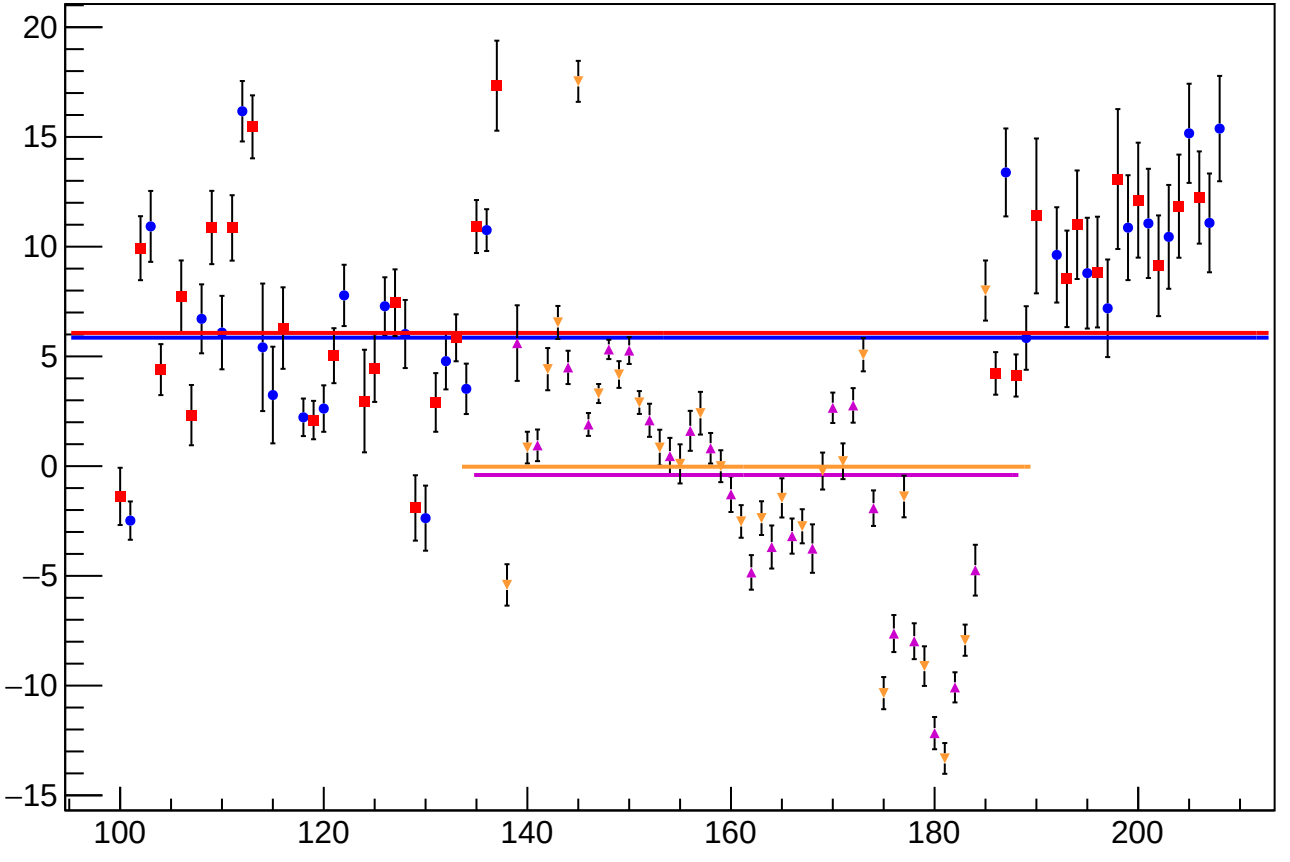
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.556+/-0.159 χ^2/NDF: 8823.6/51

All: -33.458+/-0.112 χ^2/NDF: 19770.3/104

- sign -34.336+/-0.157 χ^2/NDF: 10883.5/52

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 5.854+/-0.284 χ^2/NDF: 321.0/26

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 6.070+/-0.270 χ^2/NDF: 260.2/29

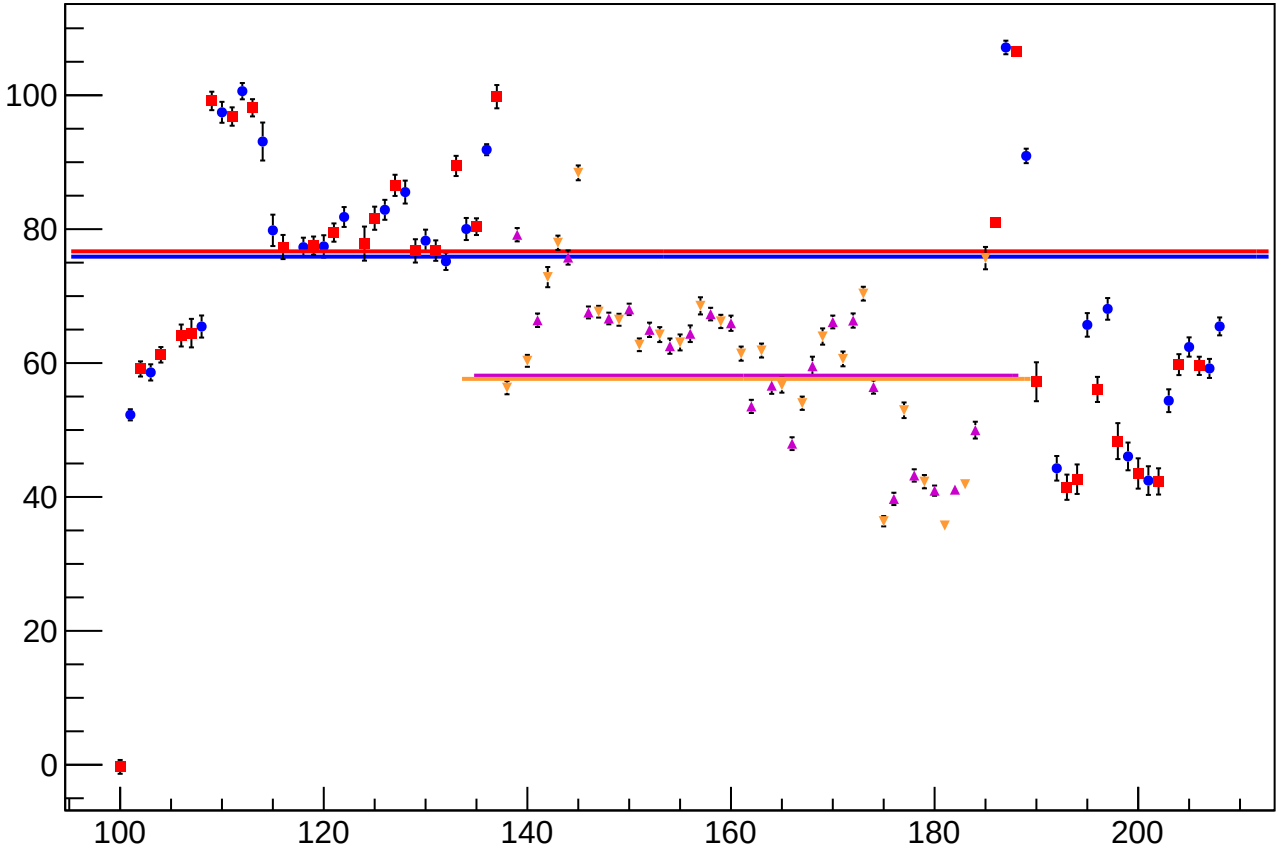
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.258+/-0.133 χ^2/NDF: 2187.0/51

All: 1.232+/-0.095 χ^2/NDF: 3962.2/104

- sign 1.204+/-0.135 χ^2/NDF: 1775.1/52

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 75.892+/-0.268 χ^2/NDF: 4533.9/26

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 76.683+/-0.240 χ^2/NDF: 11683.8/29

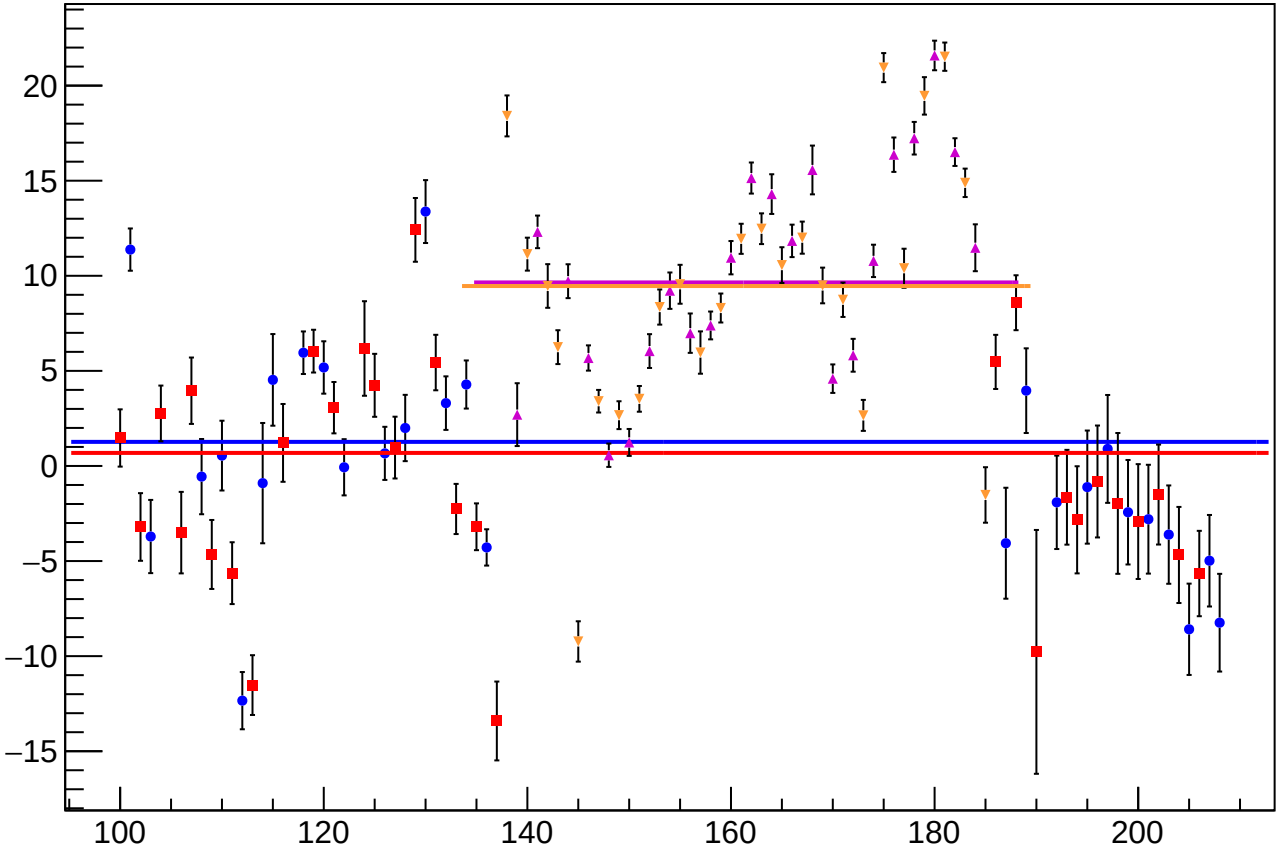
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.142+/-0.160 χ^2/NDF: 12136.8/51

All: 65.039+/-0.111 χ^2/NDF: 30796.9/104

- sign 65.887+/-0.155 χ^2/NDF: 18598.9/52

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 1.267+/-0.330 χ^2/NDF: 348.3/26

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.686+/-0.321 χ^2/NDF: 316.3/29

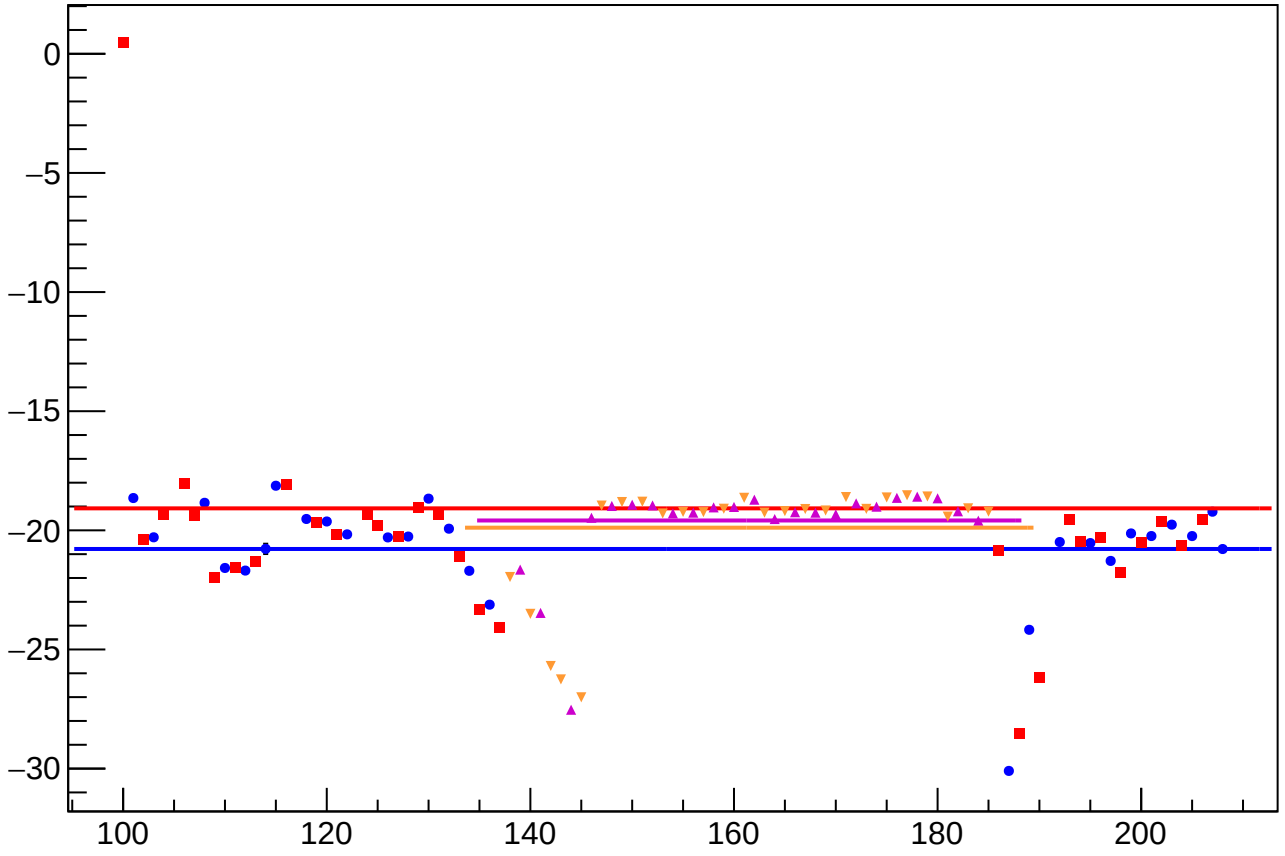
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 7.715+/-0.152 χ^2/NDF: 2317.0/51

All: 7.641+/-0.109 χ^2/NDF: 4311.5/104

- sign 7.565+/-0.155 χ^2/NDF: 1994.0/52

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.782+/-0.016 χ^2/NDF: 12424.2/26

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.078+/-0.016 χ^2/NDF: 171882.8/29

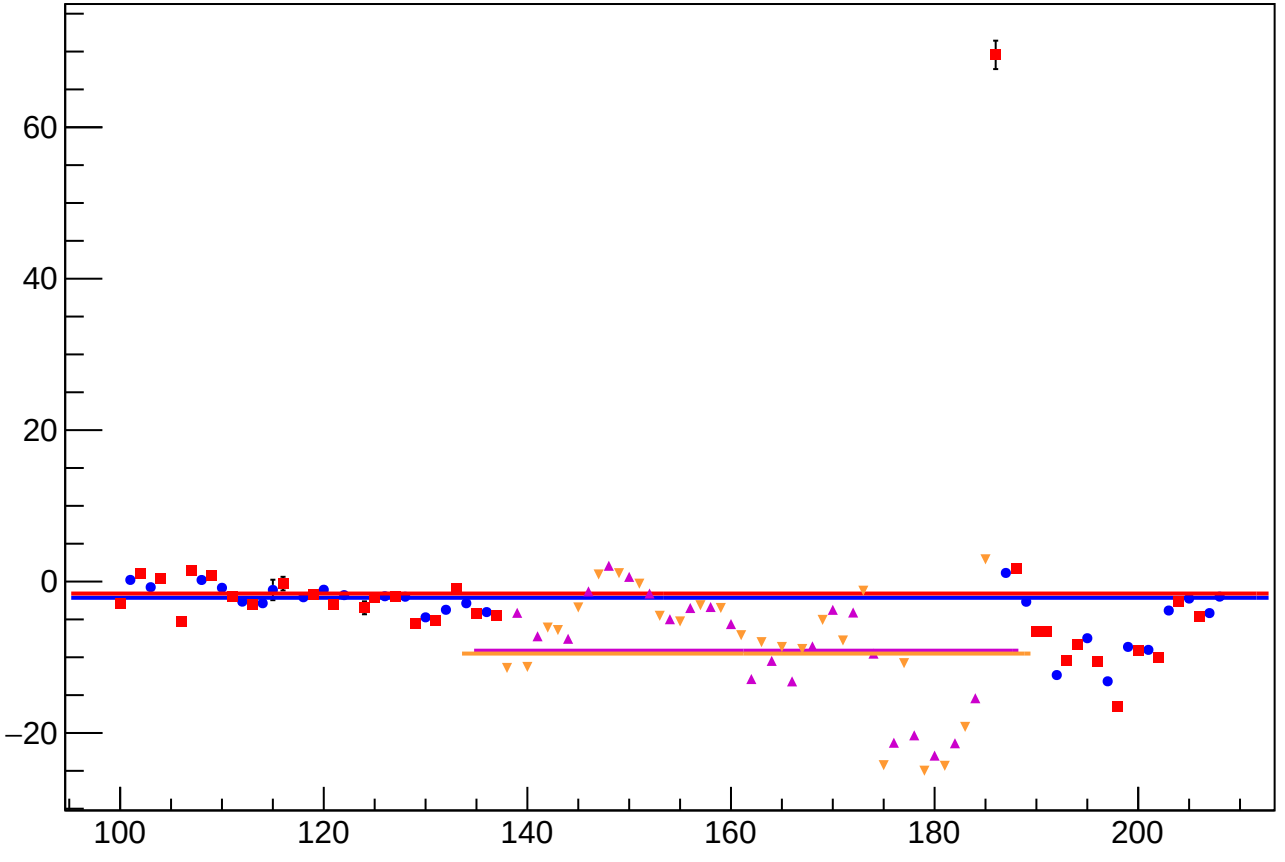
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.062+/-0.007 χ^2/NDF: 93430.2/51

All: -19.772+/-0.005 χ^2/NDF: 314613.3/104

- sign -19.481+/-0.007 χ^2/NDF: 217815.0/52

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -2.142+/-0.049 χ^2/NDF: 3344.8/26

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.582+/-0.046 χ^2/NDF: 6948.5/30

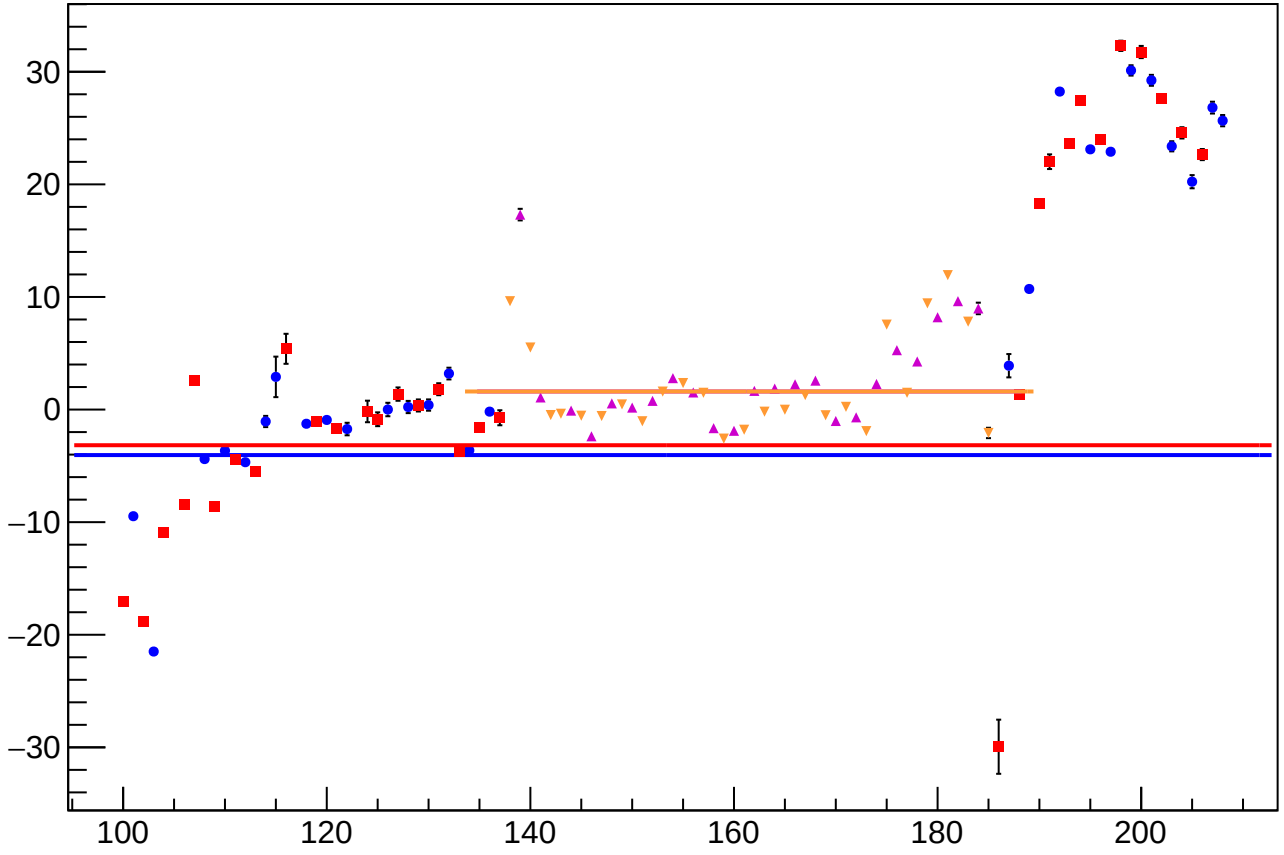
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.450+/-0.041 χ^2/NDF: 23331.3/51

All: -4.024+/-0.028 χ^2/NDF: 48305.1/105

- sign -3.633+/-0.039 χ^2/NDF: 24763.0/53

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -4.042+/-0.053 χ^2/NDF: 61272.8/26

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -3.167+/-0.052 χ^2/NDF: 63254.8/30

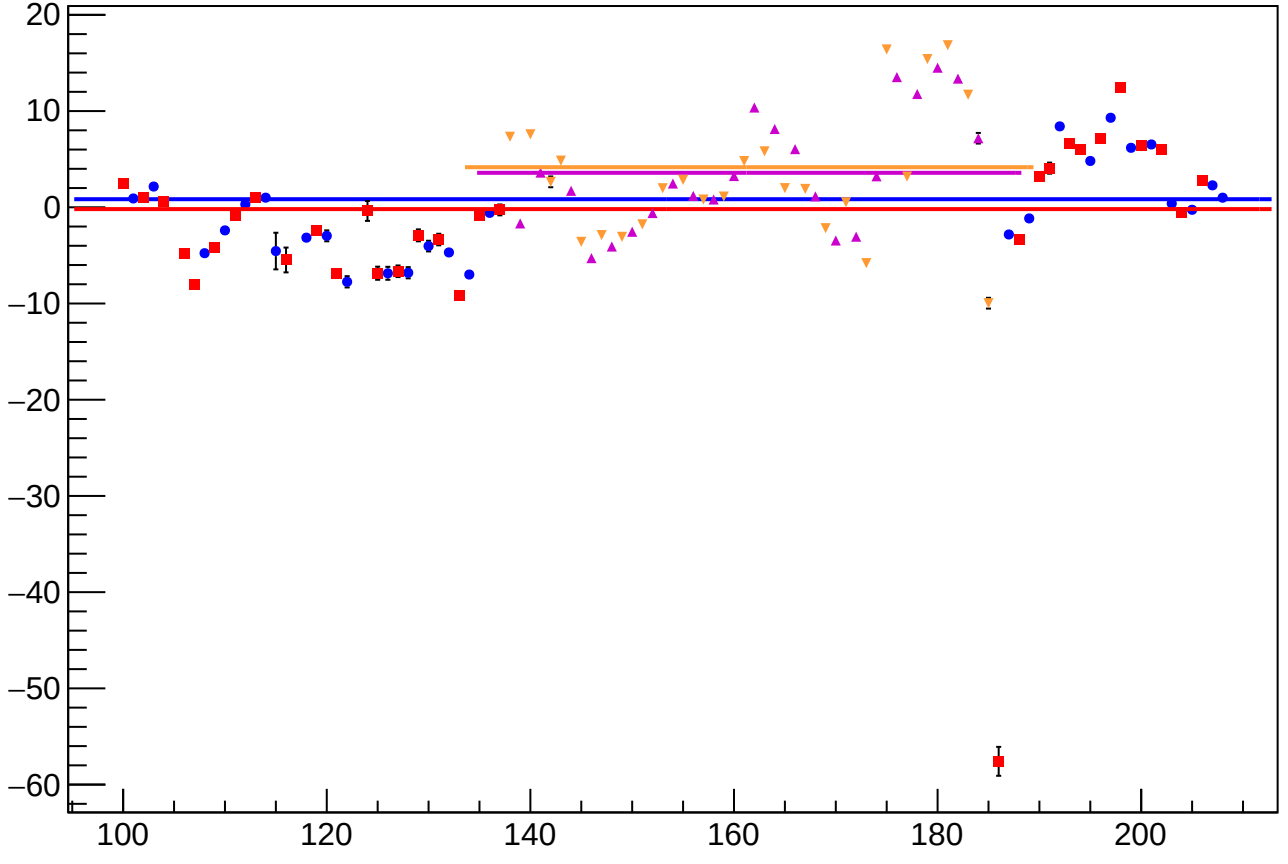
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -1.348+/-0.038 χ^2/NDF: 71430.4/51

All: -1.185+/-0.027 χ^2/NDF: 142140.0/105

- sign -1.017+/-0.039 χ^2/NDF: 70672.4/53

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.841+/-0.047 χ^2/NDF: 4173.0/26

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.188+/-0.046 χ^2/NDF: 8208.3/30

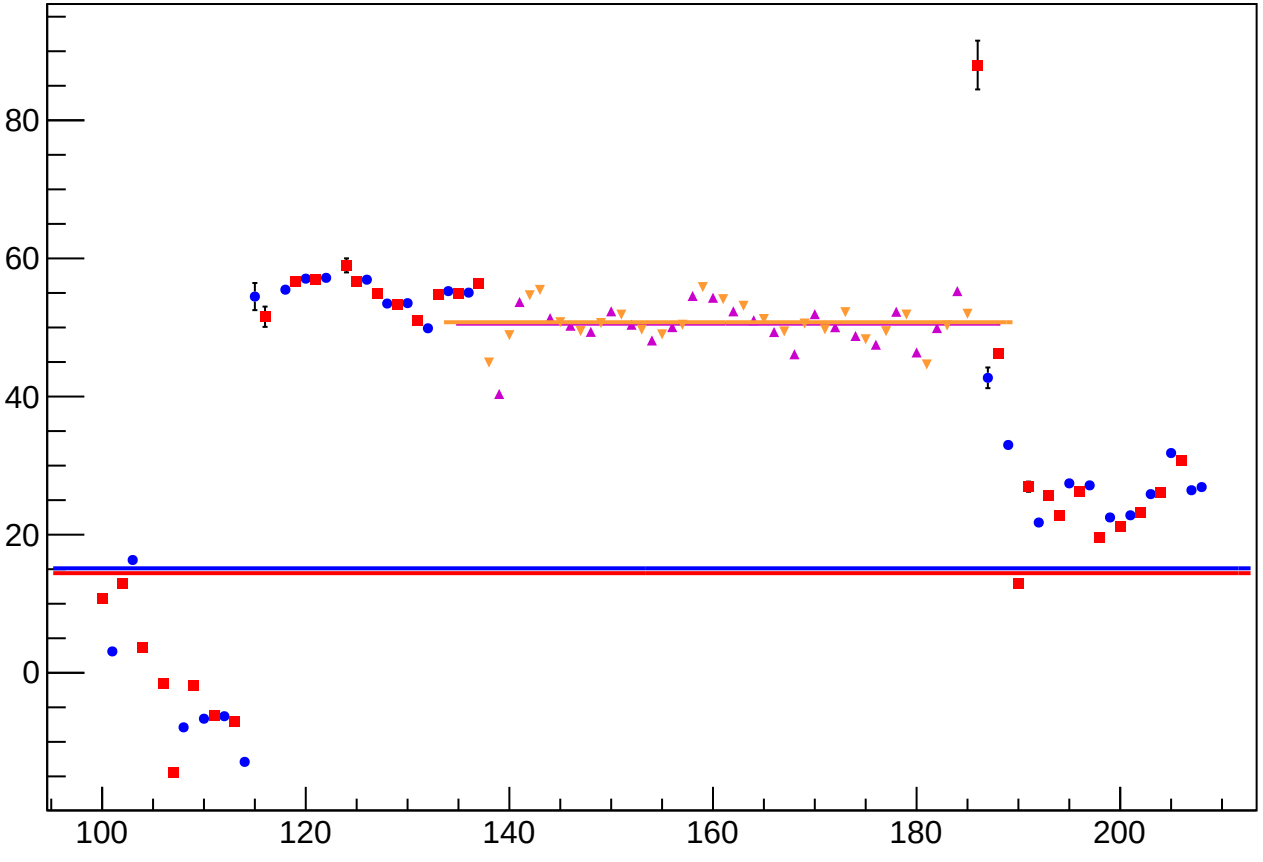
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.837+/-0.039 χ^2/NDF: 14909.9/51

All: 1.347+/-0.028 χ^2/NDF: 32527.0/105

- sign 0.866+/-0.039 χ^2/NDF: 17311.4/53

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 15.129+/-0.063 χ^2/NDF: 114816.3/26

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 14.427+/-0.062 χ^2/NDF: 130737.0/30

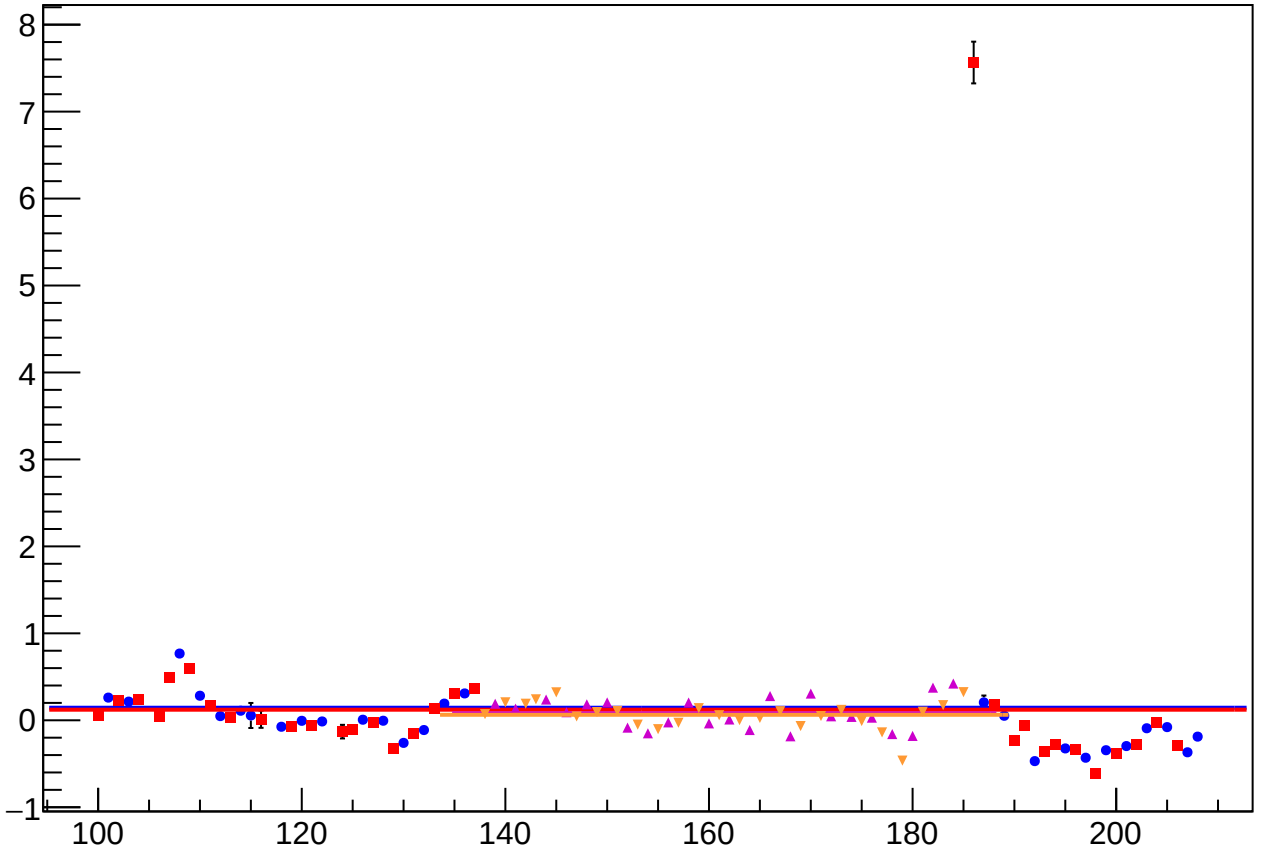
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 32.993+/-0.044 χ^2/NDF: 278960.6/51

All: 32.357+/-0.031 χ^2/NDF: 574125.6/105

- sign 31.703+/-0.045 χ^2/NDF: 294744.8/53

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.144+/-0.002 χ^2/NDF: 13497.1/26

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.122+/-0.002 χ^2/NDF: 12949.9/30

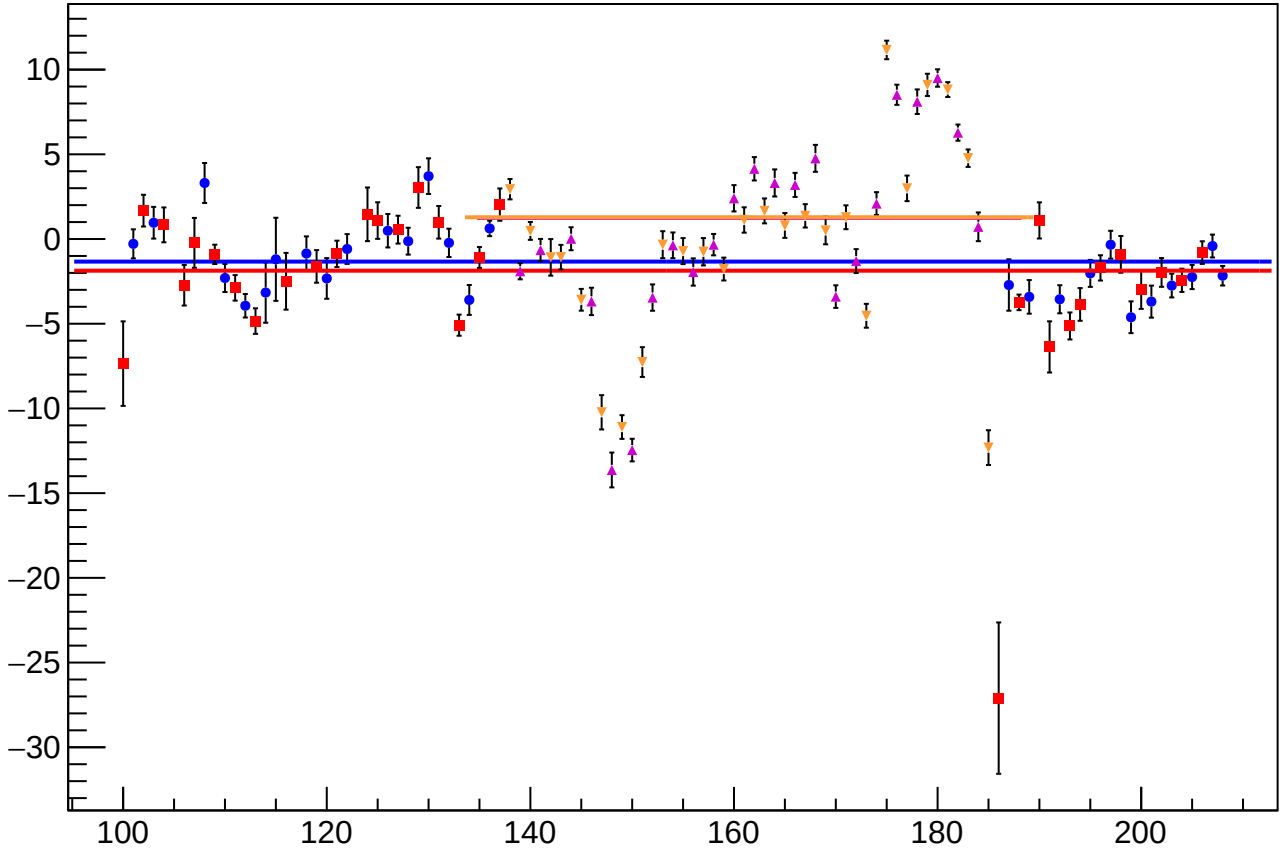
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.109+/-0.002 χ^2/NDF: 16536.4/51

All: 0.106+/-0.001 χ^2/NDF: 33064.9/105

- sign 0.104+/-0.002 χ^2/NDF: 16525.3/53

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.333+/-0.161 χ^2/NDF: 139.3/26

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.869+/-0.155 χ^2/NDF: 232.2/30

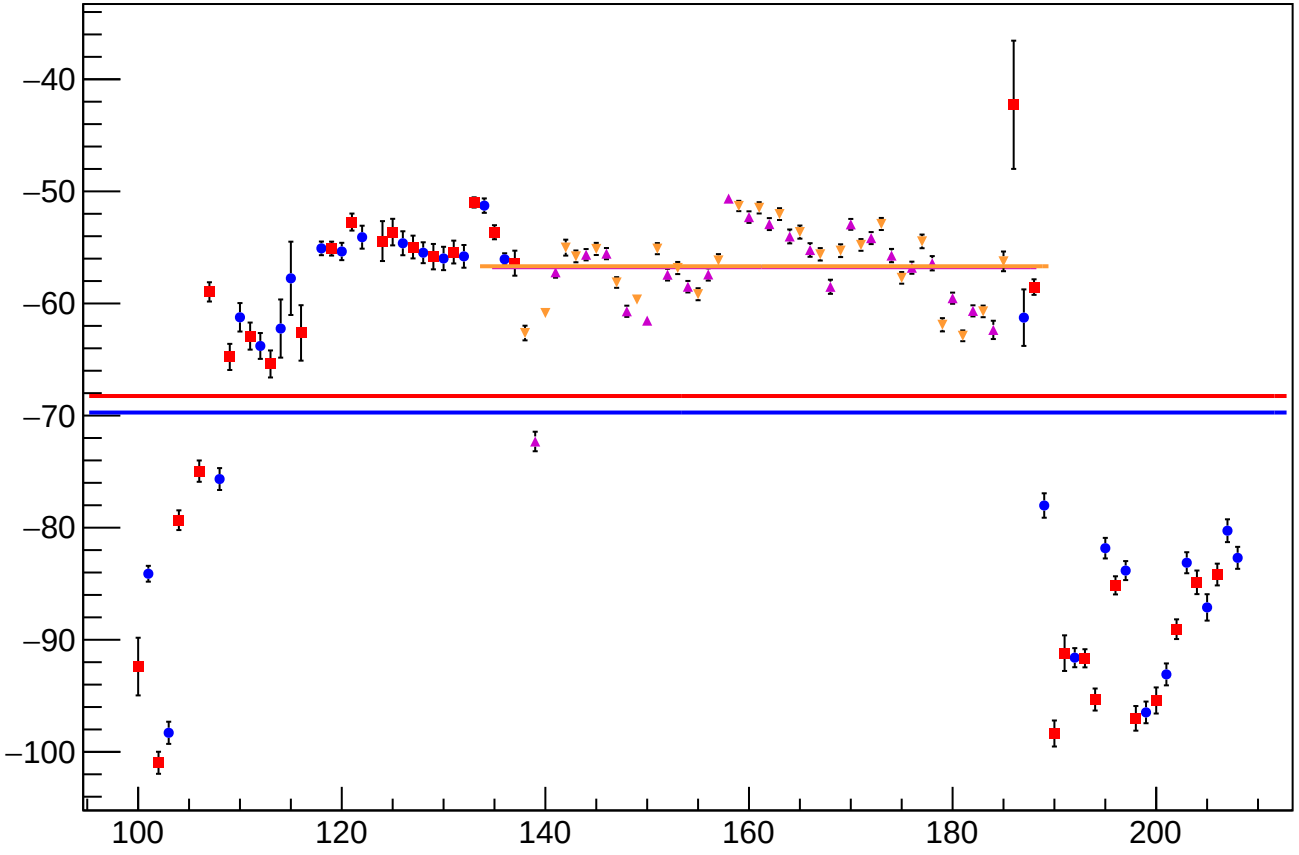
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.184+/-0.104 χ^2/NDF: 2008.1/51

All: 0.010+/-0.074 χ^2/NDF: 3980.8/105

- sign -0.162+/-0.104 χ^2/NDF: 1967.2/53

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -69.728+/-0.177 χ^2/NDF: 8029.7/26

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -68.255+/-0.168 χ^2/NDF: 10612.2/30

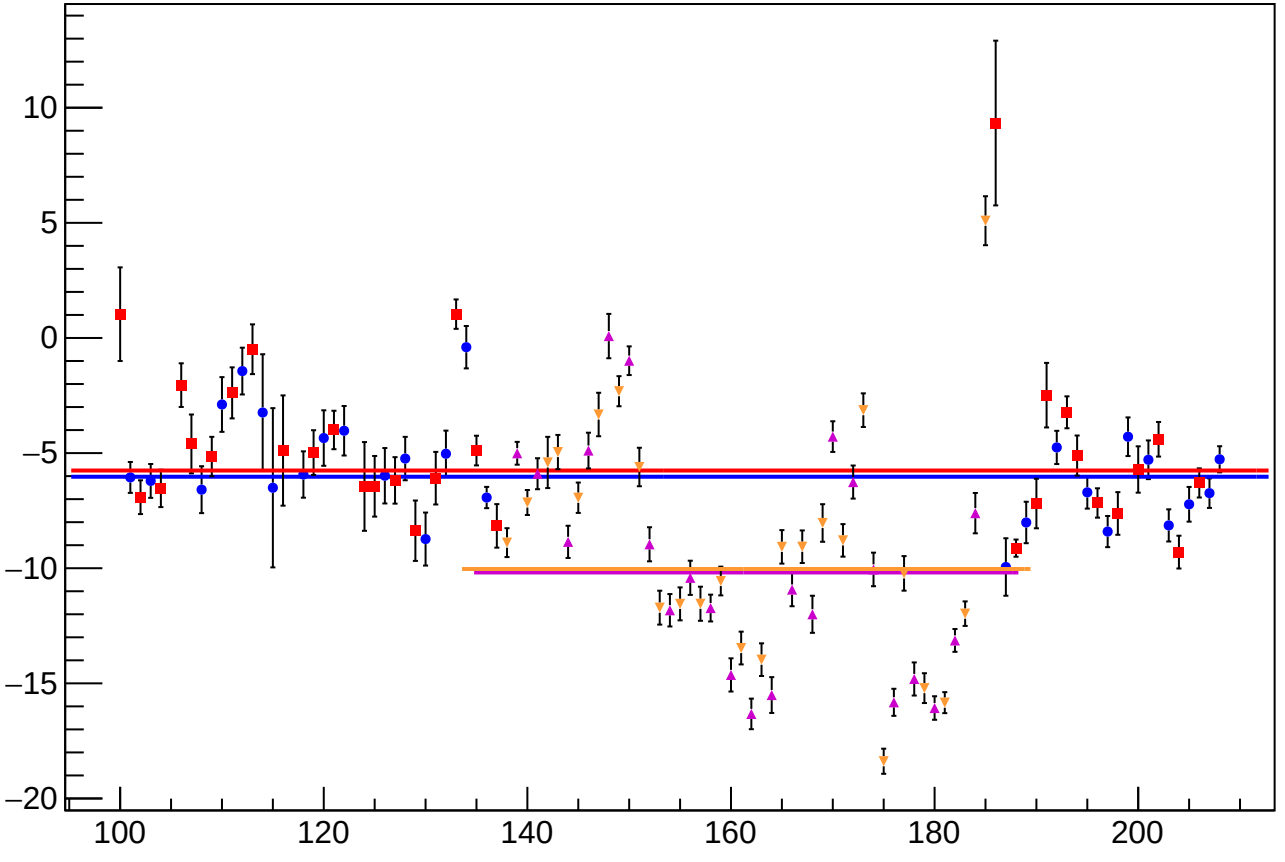
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -60.172+/-0.092 χ^2/NDF: 13007.7/51

All: -60.240+/-0.065 χ^2/NDF: 27978.5/105

- sign -60.309+/-0.093 χ^2/NDF: 14969.7/53

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -6.027+/-0.160 χ^2/NDF: 133.7/26

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.756+/-0.152 χ^2/NDF: 353.5/30

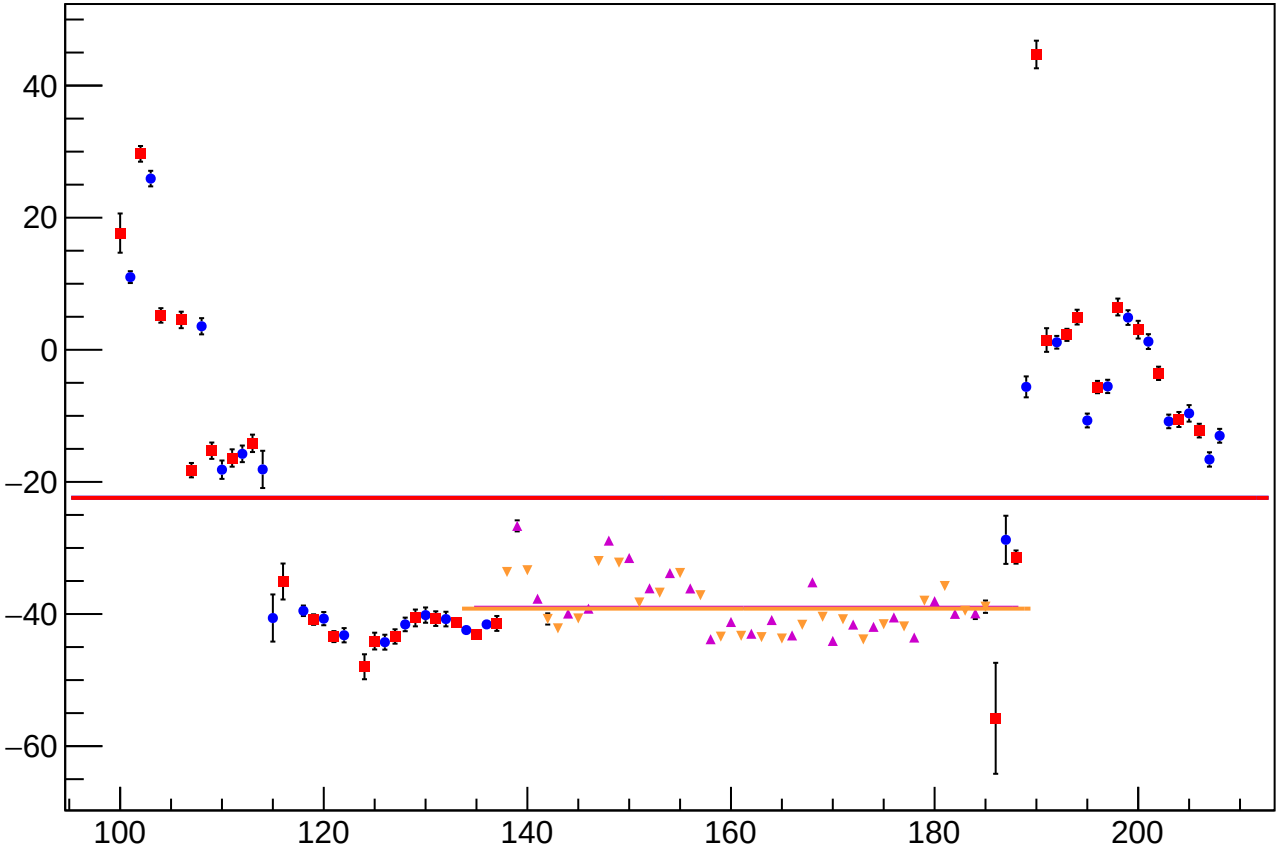
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.350+/-0.104 χ^2/NDF: 1679.8/51

All: -8.260+/-0.073 χ^2/NDF: 3637.9/105

- sign -8.171+/-0.103 χ^2/NDF: 1956.6/53

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -22.394+/-0.202 χ^2/NDF: 10520.9/26

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -22.415+/-0.195 χ^2/NDF: 12672.9/30

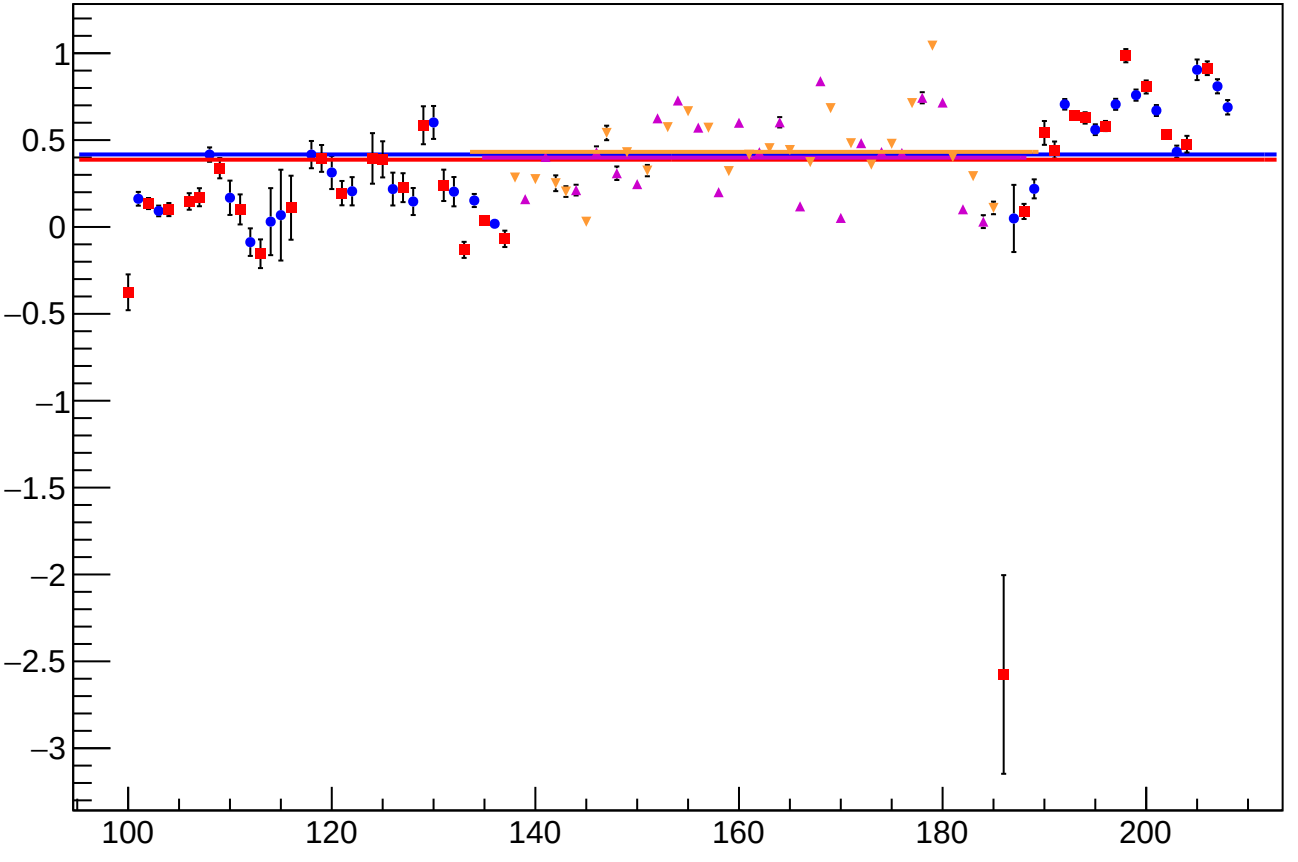
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -34.810+/-0.103 χ^2/NDF: 16652.4/51

All: -34.535+/-0.074 χ^2/NDF: 35729.9/105

- sign -34.250+/-0.105 χ^2/NDF: 19063.0/53

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.417+/-0.008 χ^2/NDF: 1223.3/26

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.387+/-0.008 χ^2/NDF: 1536.1/30

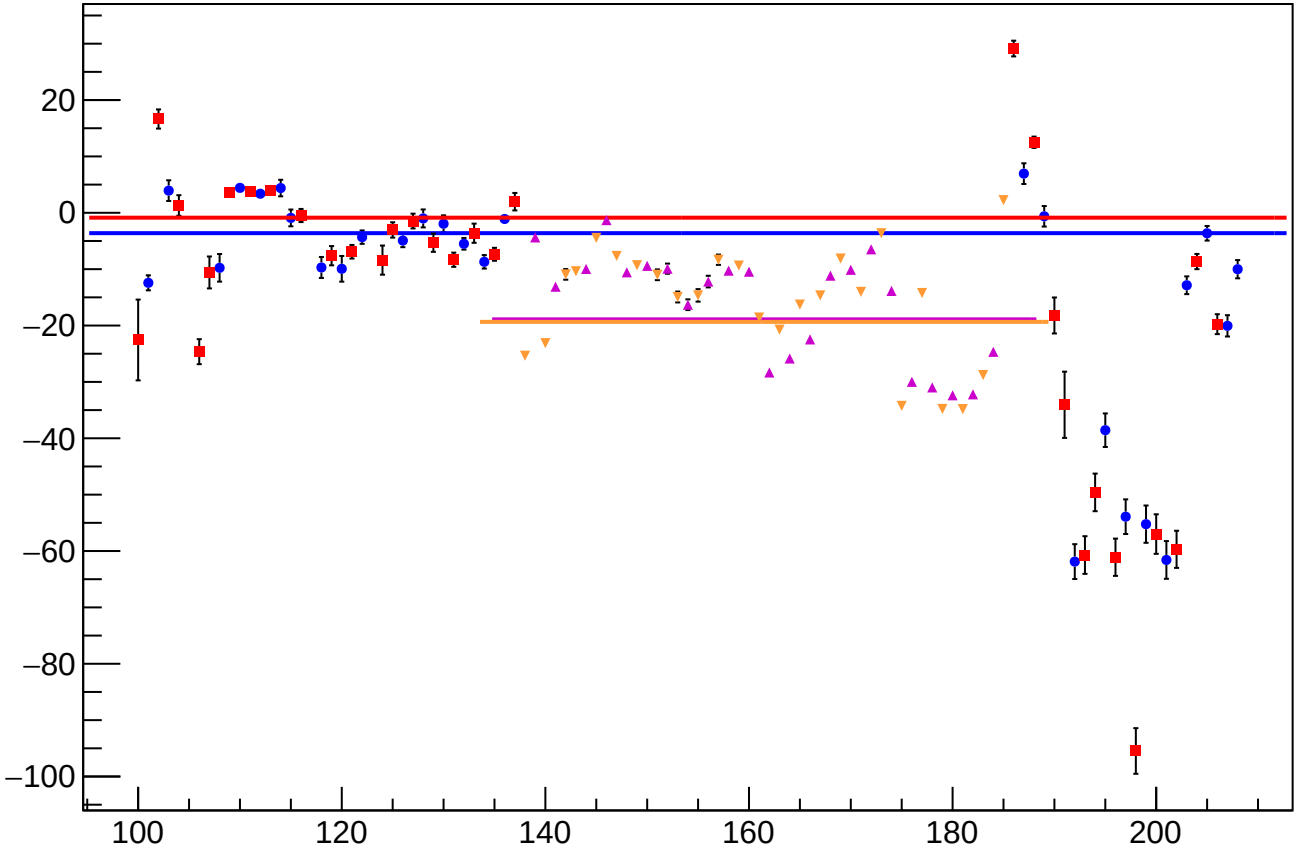
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.428+/-0.004 χ^2/NDF: 2594.2/51

All: 0.412+/-0.003 χ^2/NDF: 6081.9/105

- sign 0.395+/-0.004 χ^2/NDF: 3461.3/53

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -3.612+/-0.254 χ^2/NDF: 1878.3/26

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -0.866+/-0.242 χ^2/NDF: 3373.8/30

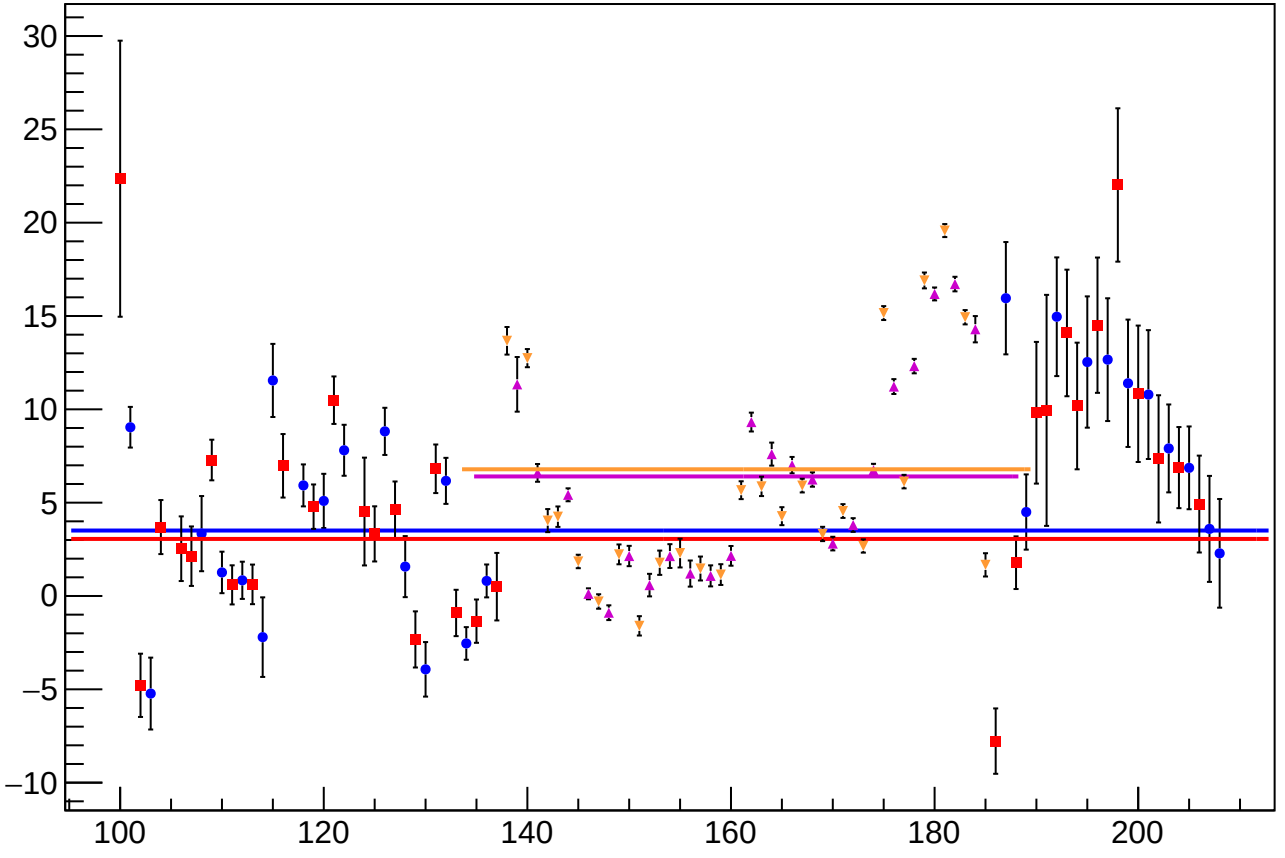
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.738+/-0.104 χ^2/NDF: 15467.1/51

All: -16.135+/-0.074 χ^2/NDF: 31720.9/105

- sign -15.518+/-0.105 χ^2/NDF: 16185.0/53

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.507+/-0.294 χ^2/NDF: 264.8/26

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

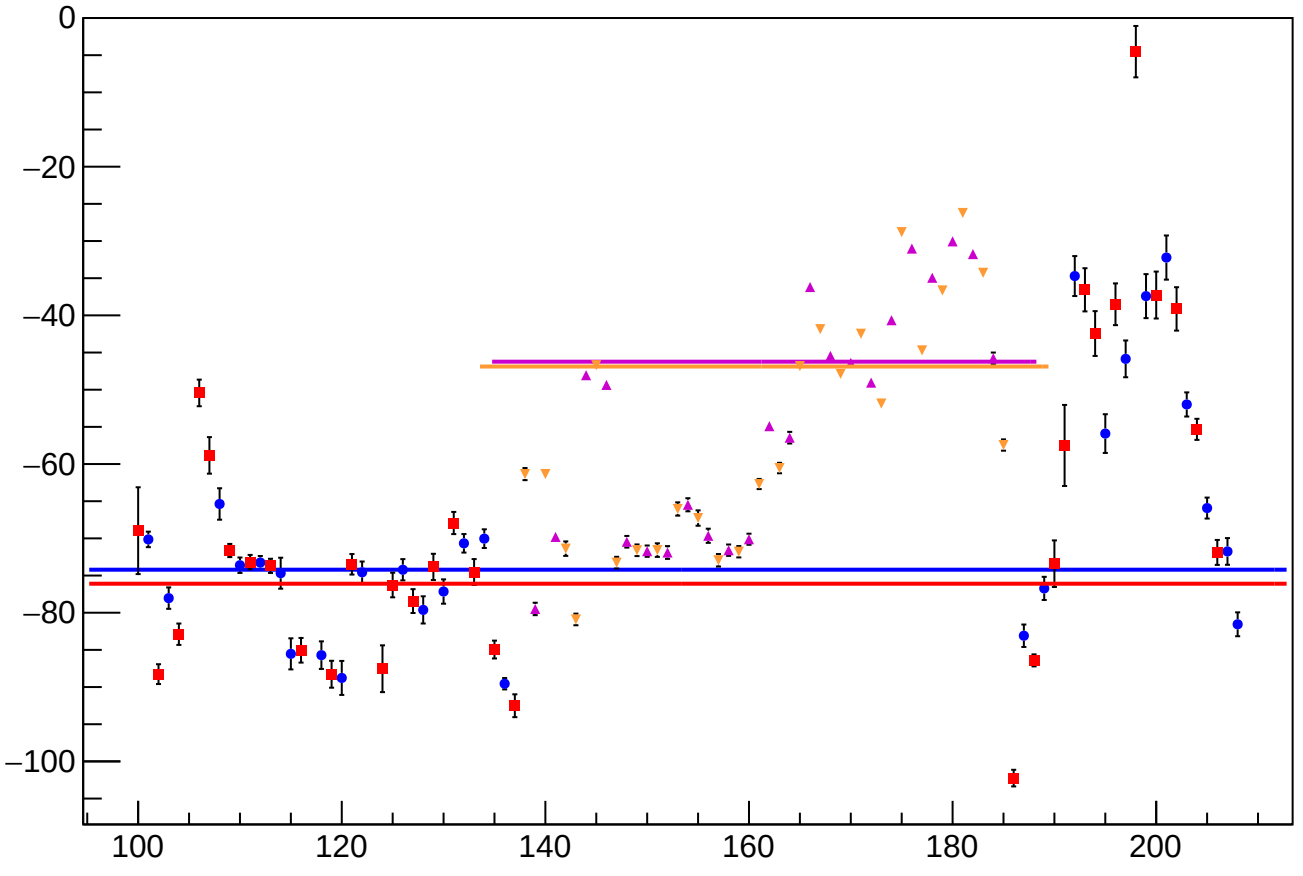
Right Out: 3.057+/-0.296 χ^2/NDF: 244.9/30

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.505+/-0.086 χ^2/NDF: 5011.4/51

All: 6.312+/-0.061 χ^2/NDF: 8793.4/105

- sign 6.115+/-0.087 χ^2/NDF: 3771.9/53



Right In: -74.213+/-0.283 χ^2/NDF: 1616.0/26

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

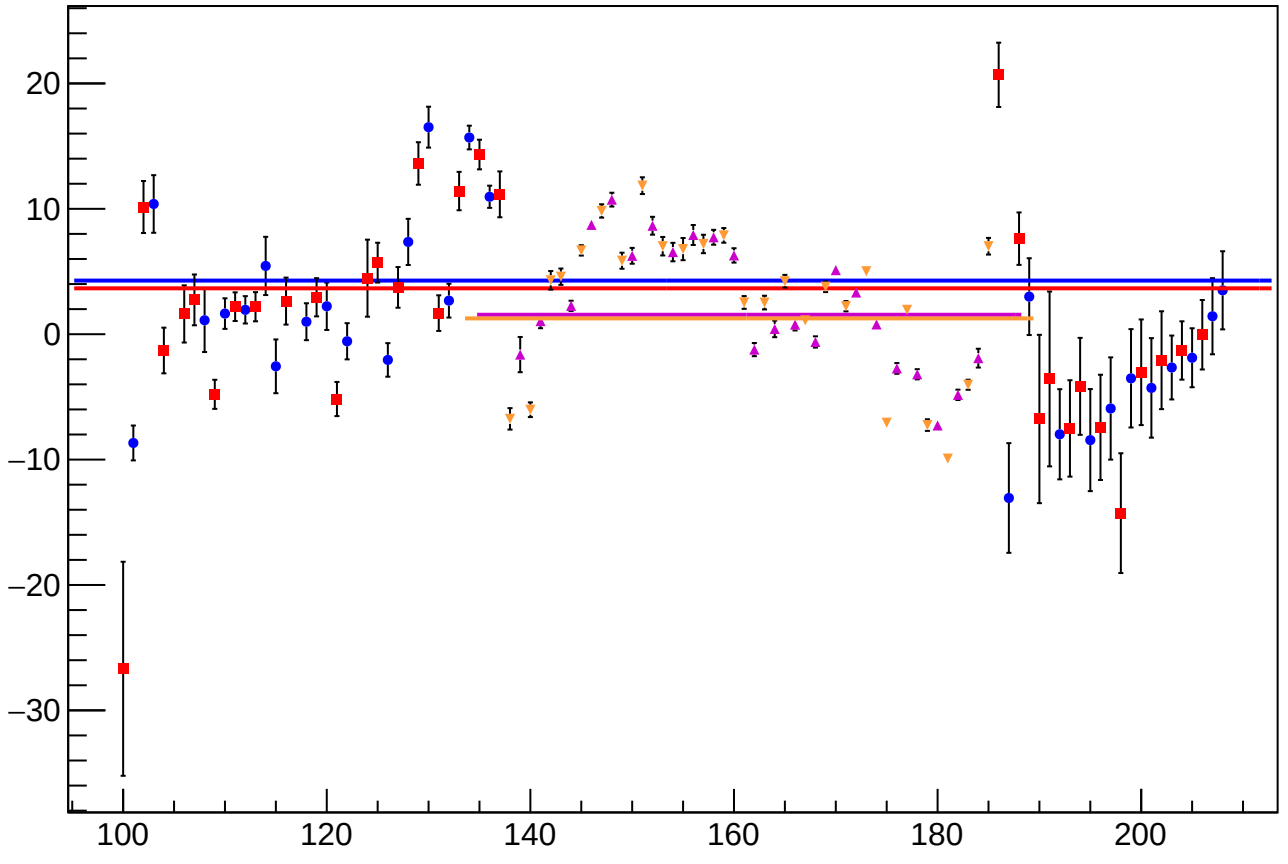
Right Out: -76.099+/-0.275 χ^2/NDF: 2868.0/30

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.696+/-0.106 χ^2/NDF: 27623.9/51

All: -50.730+/-0.075 χ^2/NDF: 55678.8/105

- sign -50.765+/-0.107 χ^2/NDF: 28054.7/53



Right In: 4.277+/-0.330 χ^2/NDF: 485.6/26

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.659+/-0.338 χ^2/NDF: 387.6/30

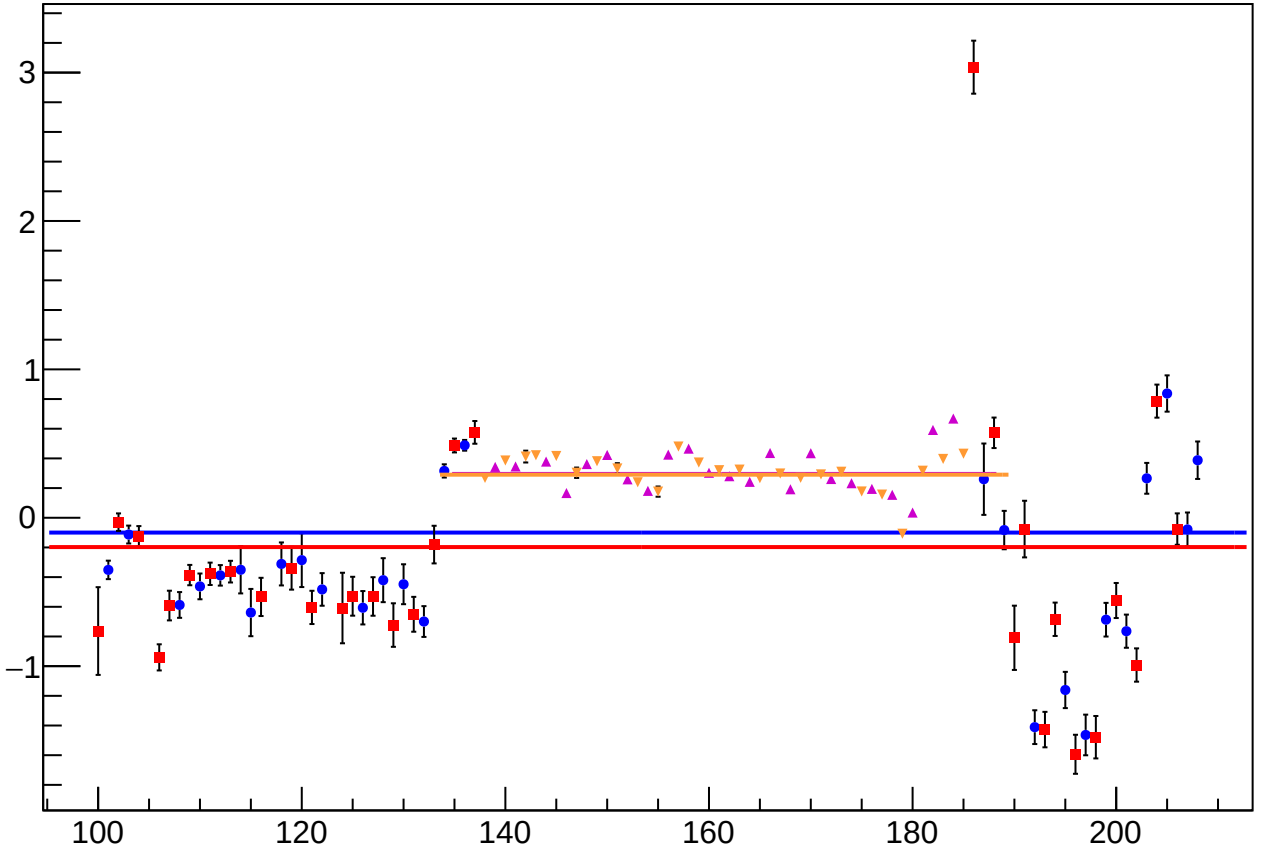
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.518+/-0.096 χ^2/NDF: 4007.9/51

All: 1.620+/-0.068 χ^2/NDF: 6769.2/105

- sign 1.727+/-0.098 χ^2/NDF: 2758.9/53

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.017 χ^2/NDF: 985.7/26

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.198+/-0.018 χ^2/NDF: 1347.9/30

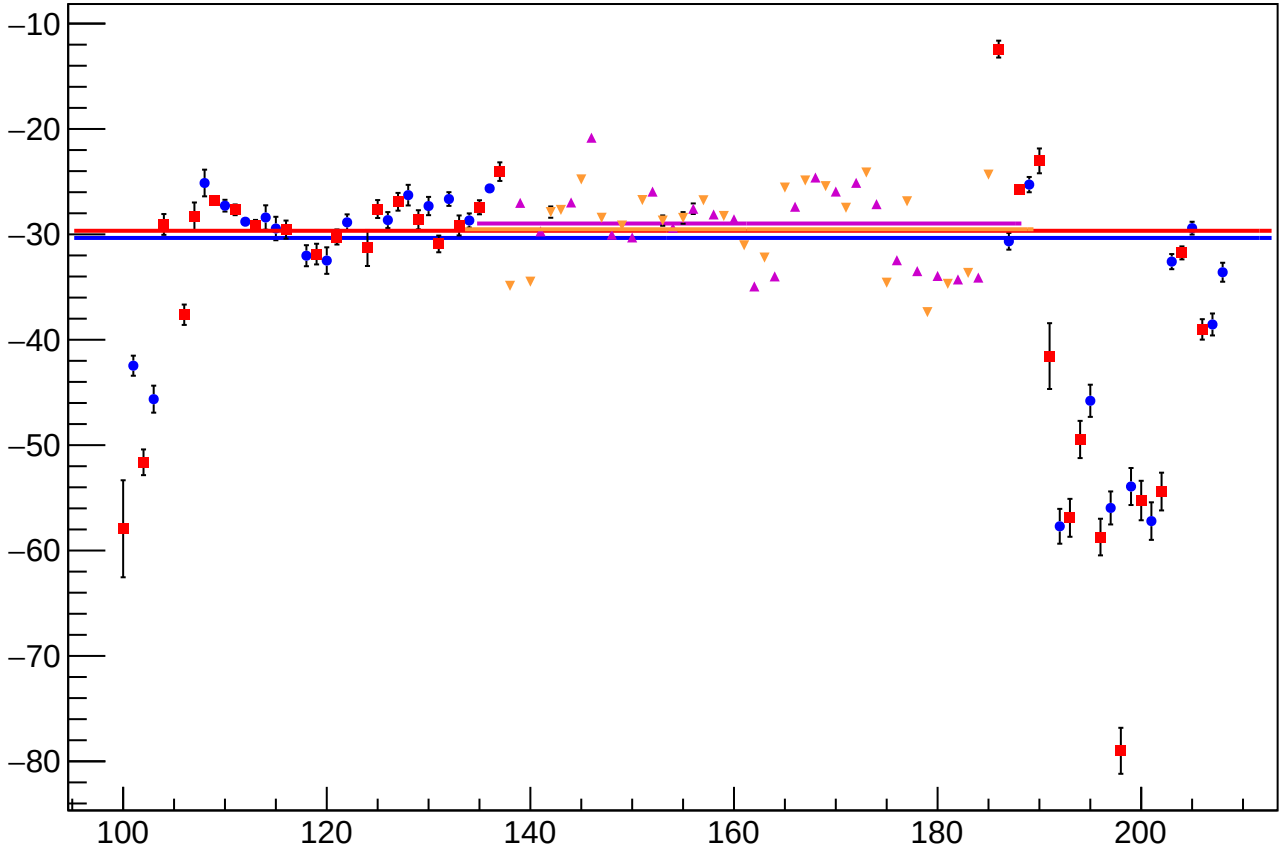
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.265+/-0.004 χ^2/NDF: 2205.2/51

All: 0.265+/-0.003 χ^2/NDF: 5317.3/105

- sign 0.264+/-0.004 χ^2/NDF: 3112.0/53

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.340+/-0.156 χ^2/NDF: 1752.7/26

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.660+/-0.152 χ^2/NDF: 2782.6/30

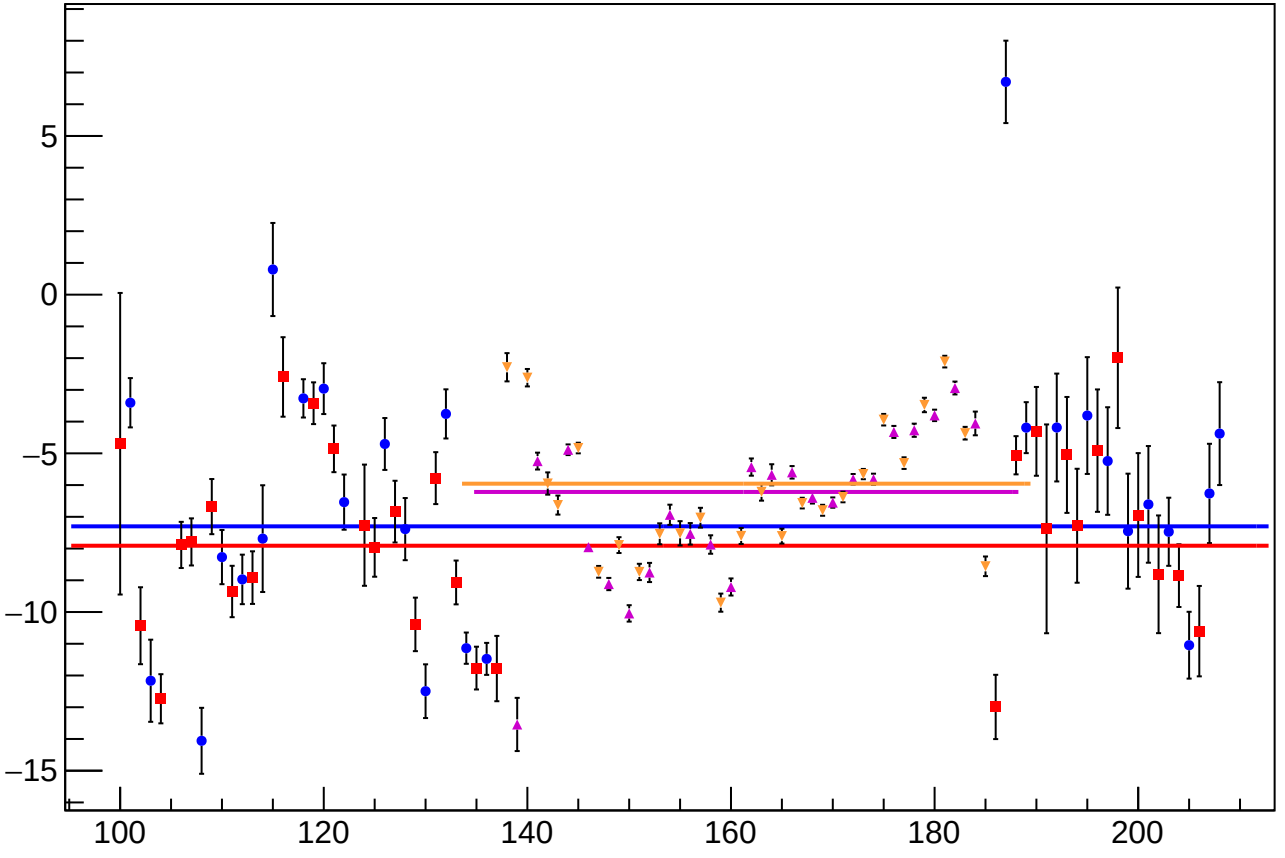
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.611+/-0.053 χ^2/NDF: 7865.8/51

All: -29.336+/-0.038 χ^2/NDF: 16069.6/105

- sign -29.056+/-0.053 χ^2/NDF: 8149.3/53

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.300+/-0.175 χ^2/NDF: 547.1/26

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.911+/-0.173 χ^2/NDF: 269.9/30

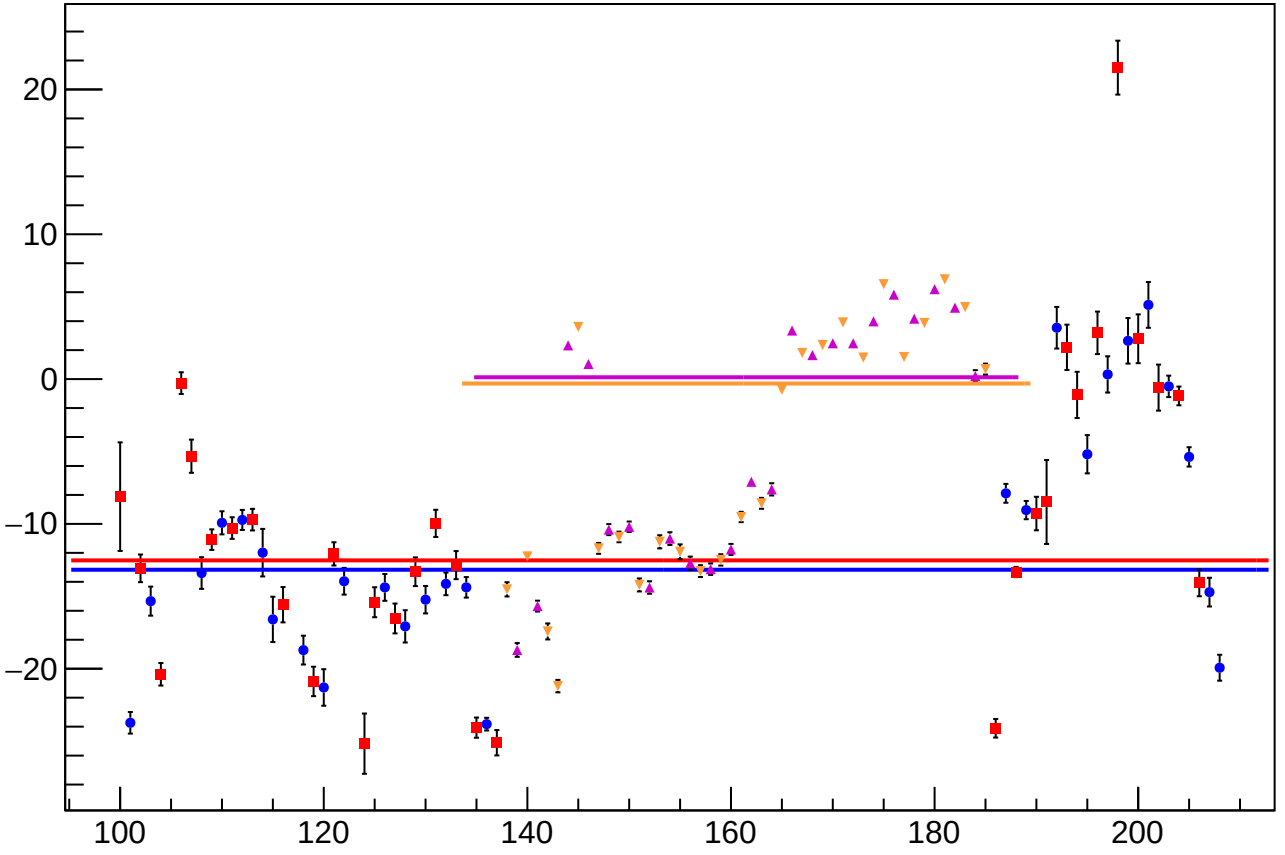
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.037+/-0.043 χ^2/NDF: 2460.3/51

All: -6.180+/-0.030 χ^2/NDF: 4583.5/105

- sign -6.320+/-0.043 χ^2/NDF: 2101.5/53

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -13.165+/-0.166 χ^2/NDF: 2061.1/26

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -12.518+/-0.158 χ^2/NDF: 2439.1/30

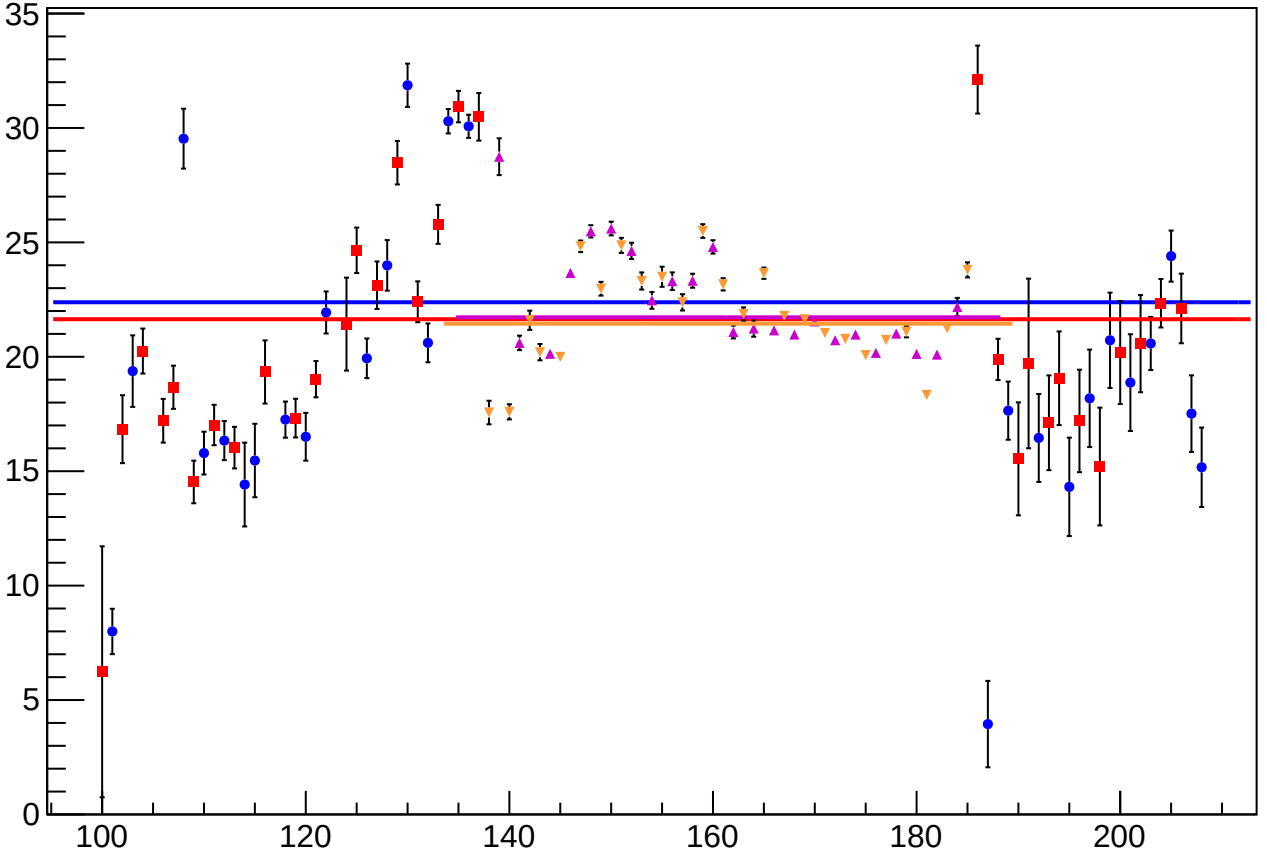
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.651+/-0.054 χ^2/NDF: 24648.2/51

All: -1.491+/-0.038 χ^2/NDF: 46604.8/105

- sign -1.330+/-0.054 χ^2/NDF: 21938.6/53

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.383+/-0.199 χ^2/NDF: 1194.1/26

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.642+/-0.203 χ^2/NDF: 636.1/30

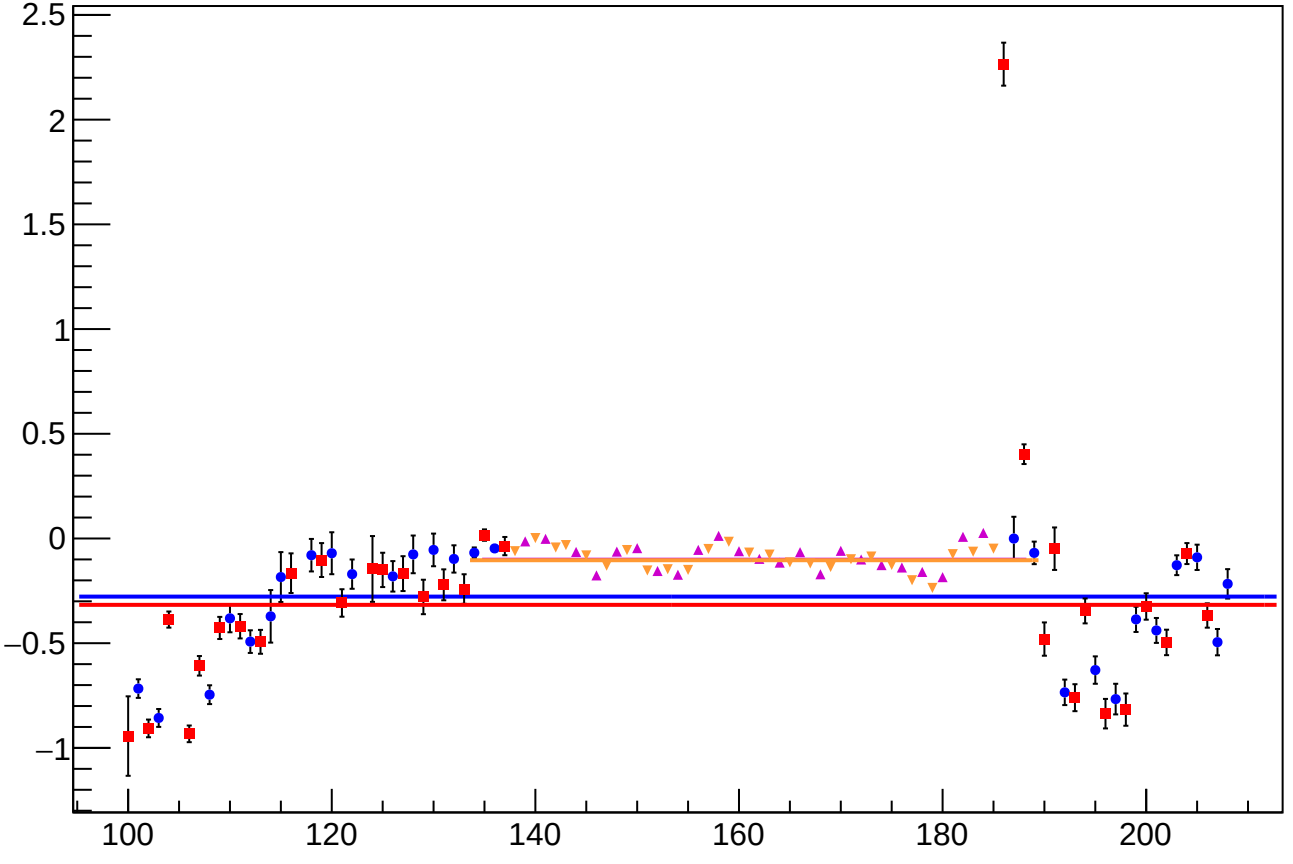
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.502+/-0.048 χ^2/NDF: 2540.3/51

All: 21.611+/-0.034 χ^2/NDF: 4360.6/105

- sign 21.721+/-0.048 χ^2/NDF: 1809.9/53

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.278+/-0.010 χ^2/NDF: 834.1/26

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.317+/-0.010 χ^2/NDF: 1773.2/30

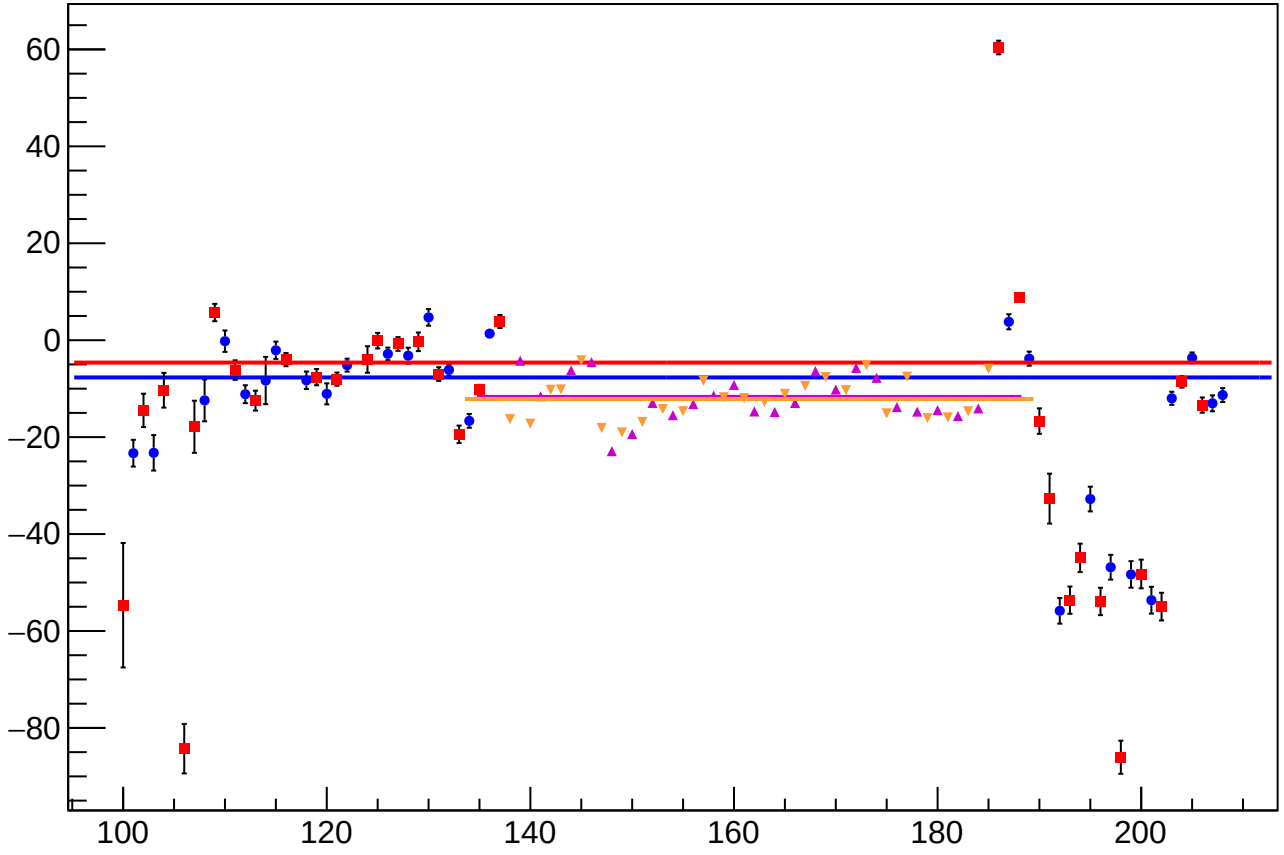
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.112+/-0.002 χ^2/NDF: 1675.4/51

All: -0.112+/-0.002 χ^2/NDF: 4626.8/105

- sign -0.111+/-0.002 χ^2/NDF: 2951.3/53

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -7.685+/-0.306 χ^2/NDF: 1634.0/26

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -4.617+/-0.316 χ^2/NDF: 4874.9/30

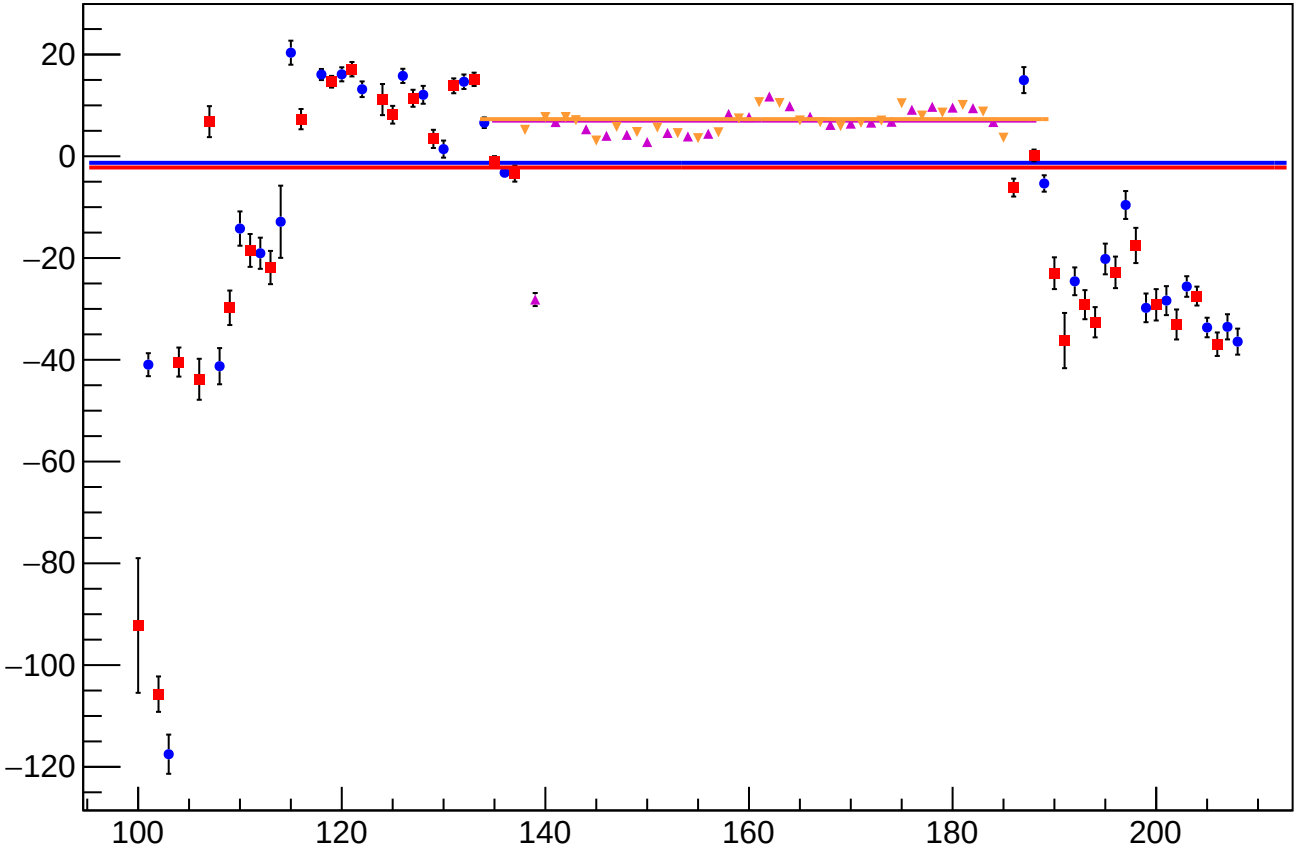
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.778+/-0.088 χ^2/NDF: 3958.7/51

All: -11.458+/-0.063 χ^2/NDF: 11274.0/105

- sign -11.118+/-0.090 χ^2/NDF: 7287.8/53

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -1.288+/-0.338 χ^2/NDF: 3526.1/26

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -2.207+/-0.355 χ^2/NDF: 3151.6/30

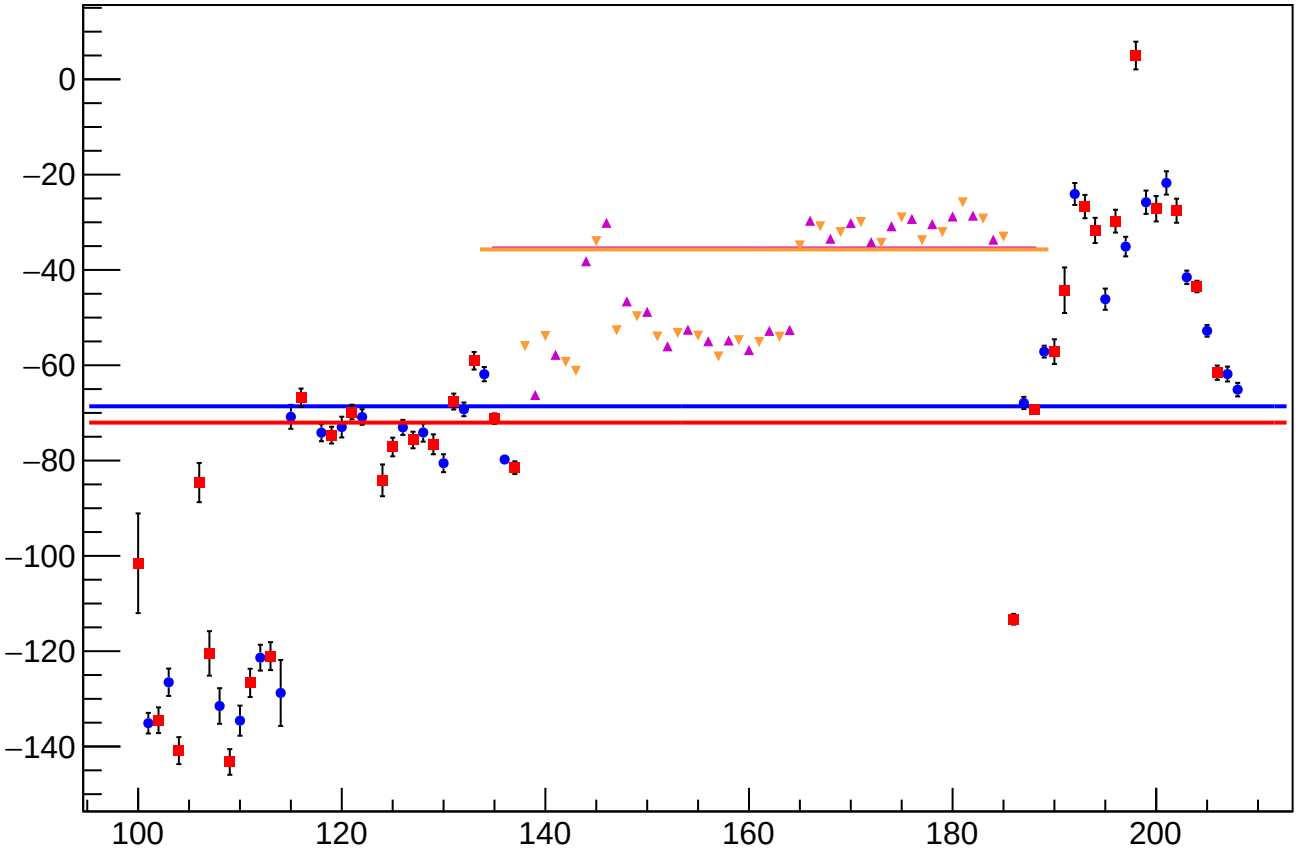
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

\+ sign 6.895+/-0.073 χ^2/NDF: 4962.9/51

All: 6.750+/-0.052 χ^2/NDF: 10342.2/105

\- sign 6.601+/-0.074 χ^2/NDF: 5371.3/53

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -68.614+/-0.315 χ^2/NDF: 4954.1/26

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -72.034+/-0.316 χ^2/NDF: 6929.7/30

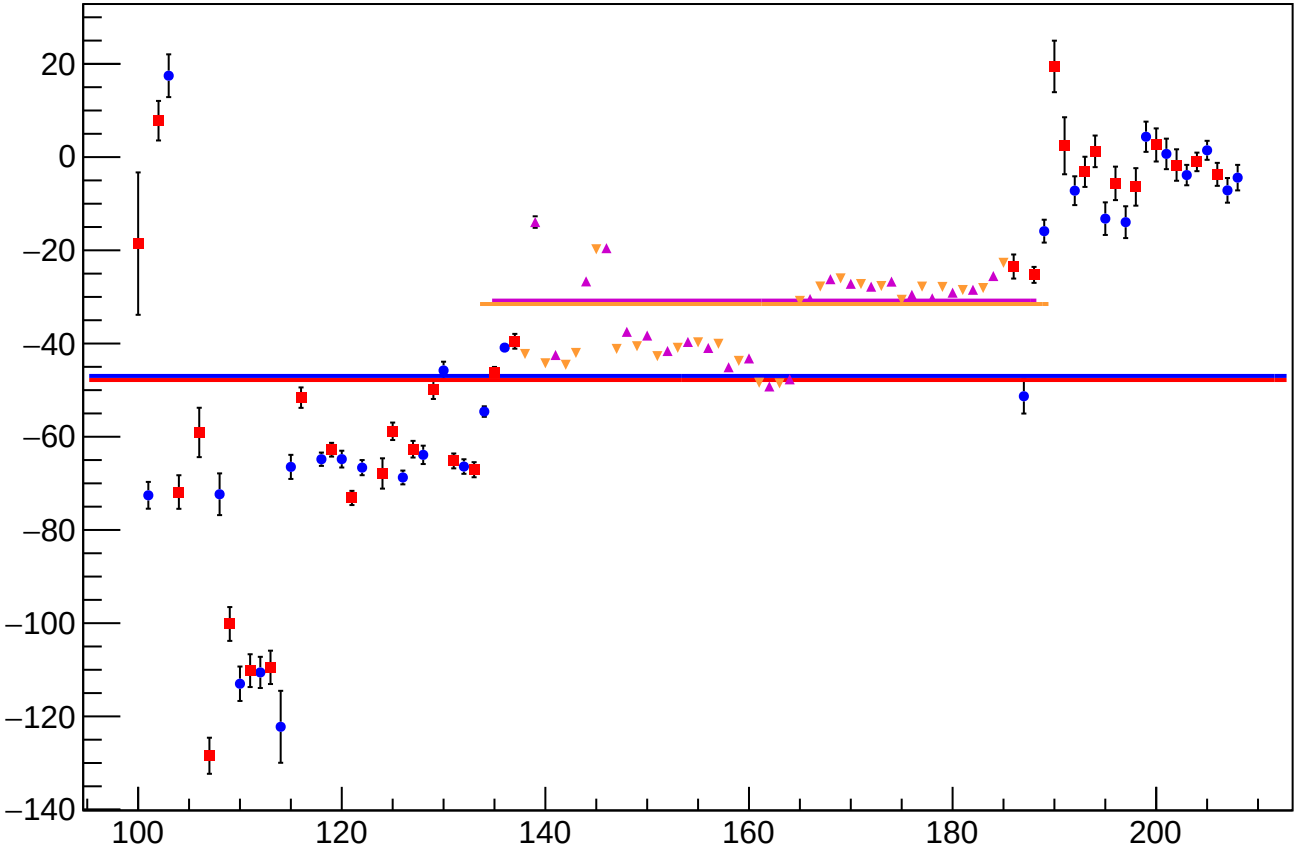
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

\+ sign -38.284+/-0.089 χ^2/NDF: 27772.9/51

All: -38.387+/-0.063 χ^2/NDF: 58109.3/105

\- sign -38.495+/-0.091 χ^2/NDF: 30333.7/53

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -46.950+/-0.380 χ^2/NDF: 4489.6/26

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -47.830+/-0.409 χ^2/NDF: 4674.5/30

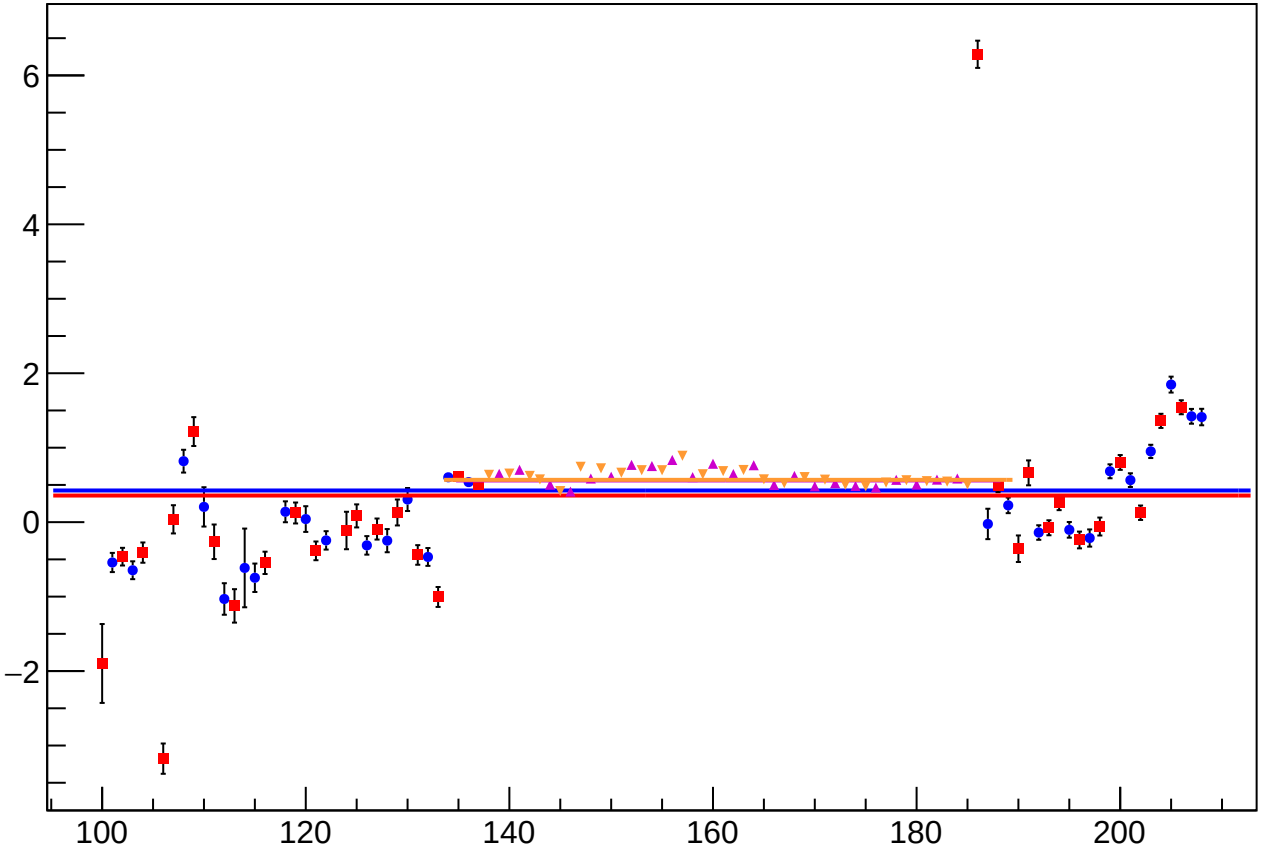
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.221+/-0.081 χ^2/NDF: 14525.3/51

All: -31.860+/-0.058 χ^2/NDF: 28455.8/105

- sign -31.484+/-0.083 χ^2/NDF: 13889.9/53

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.425+/-0.019 χ^2/NDF: 902.7/26

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.357+/-0.020 χ^2/NDF: 2172.5/30

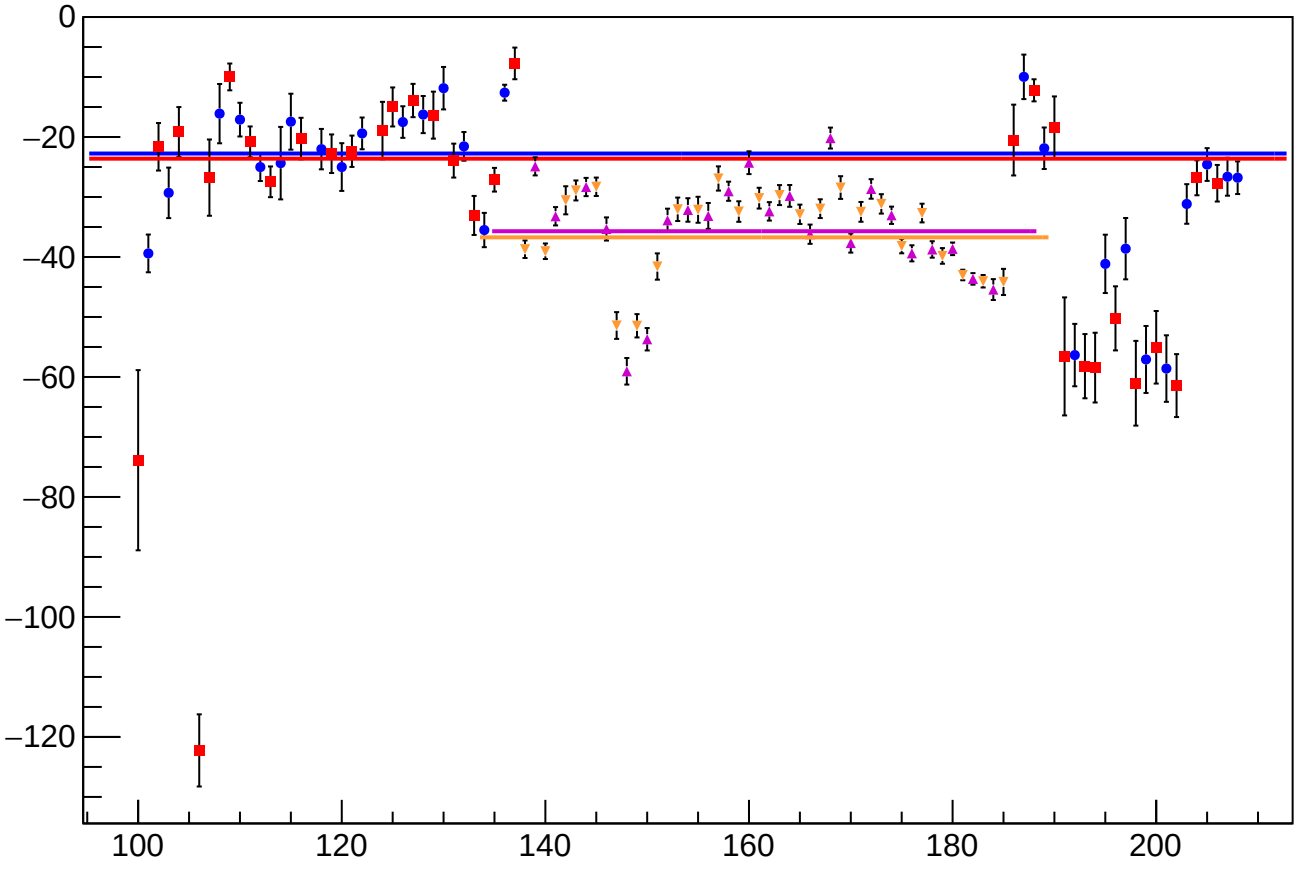
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

\+ sign 0.563+/-0.004 χ^2/NDF: 1514.4/51

All: 0.558+/-0.003 χ^2/NDF: 4458.6/105

\- sign 0.553+/-0.004 χ^2/NDF: 2940.7/53

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -22.753+/-0.590 χ^2/NDF: 304.8/26

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -23.611+/-0.604 χ^2/NDF: 658.7/30

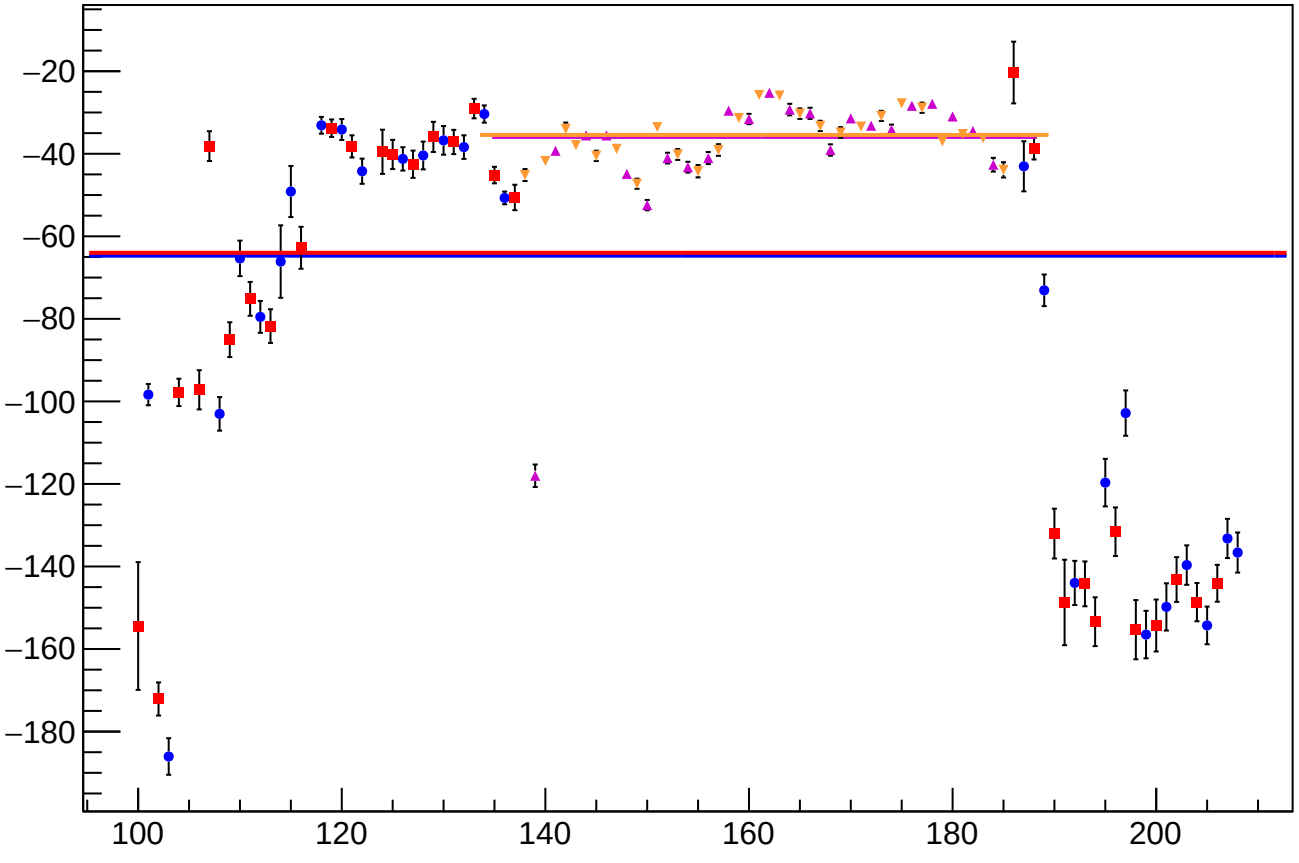
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.701+/-0.275 χ^2/NDF: 1164.6/51

All: -33.369+/-0.198 χ^2/NDF: 2717.0/105

- sign -33.012+/-0.285 χ^2/NDF: 1549.3/53

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -64.691+/-0.642 χ^2/NDF: 3995.9/26

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -63.995+/-0.666 χ^2/NDF: 4022.5/30

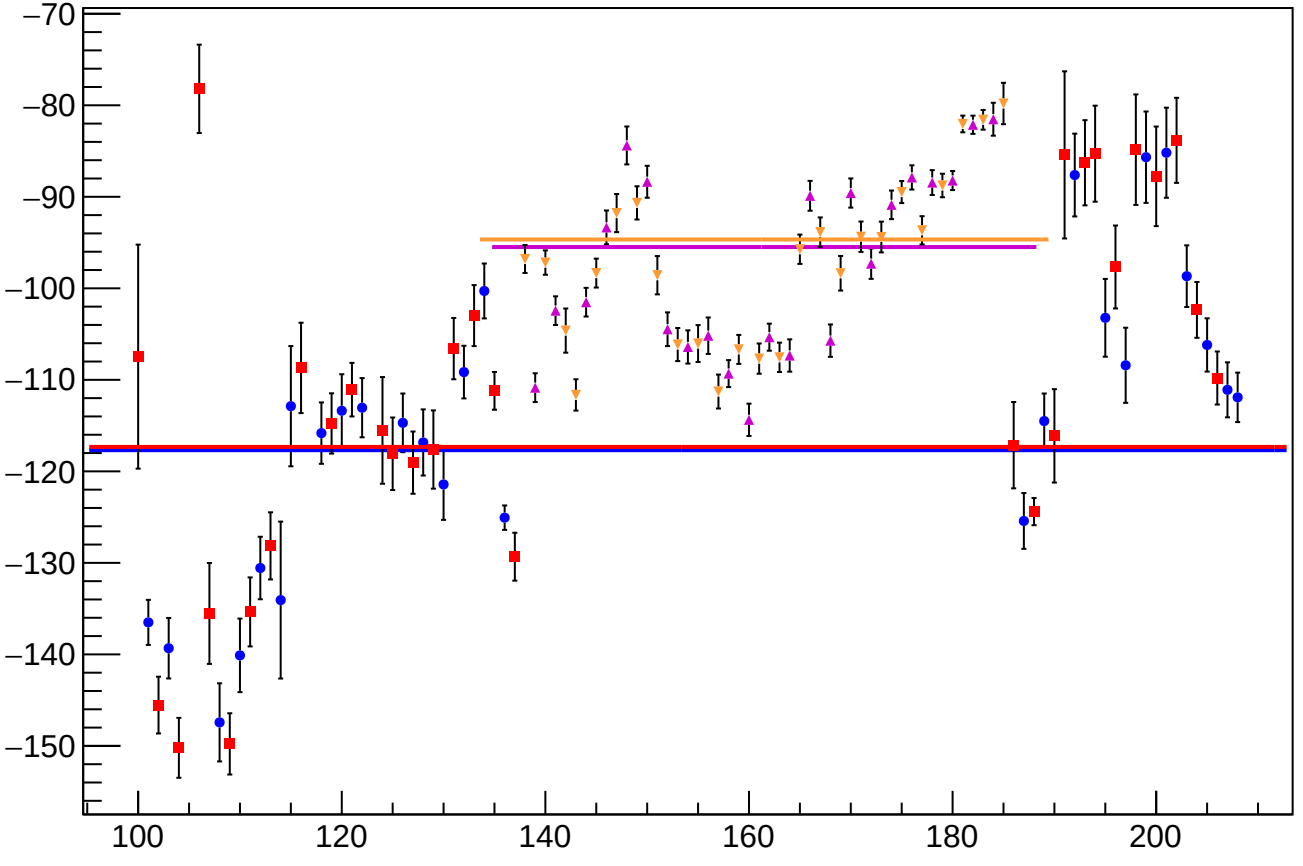
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -39.158+/-0.229 χ^2/NDF: 6346.3/51

All: -39.336+/-0.165 χ^2/NDF: 13461.1/105

- sign -39.529+/-0.239 χ^2/NDF: 7113.5/53

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -117.687+/-0.609 χ^2/NDF: 487.7/26

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -117.330+/-0.623 χ^2/NDF: 730.4/30

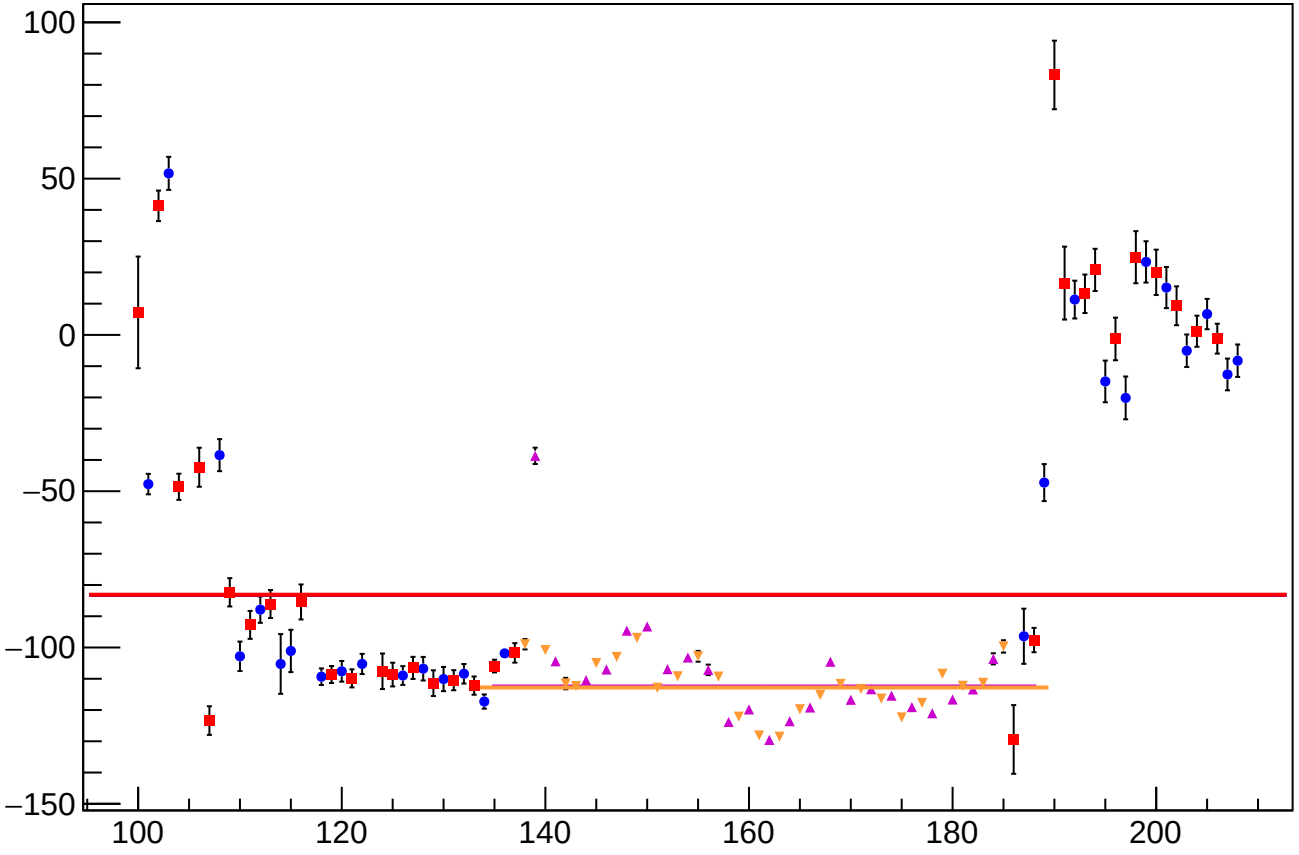
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.394+/-0.276 χ^2/NDF: 2522.5/51

All: -99.721+/-0.198 χ^2/NDF: 5195.8/105

- sign -100.070+/-0.286 χ^2/NDF: 2670.4/53

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -83.195+/-0.725 χ^2/NDF: 3596.6/26

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -83.118+/-0.764 χ^2/NDF: 3660.4/30

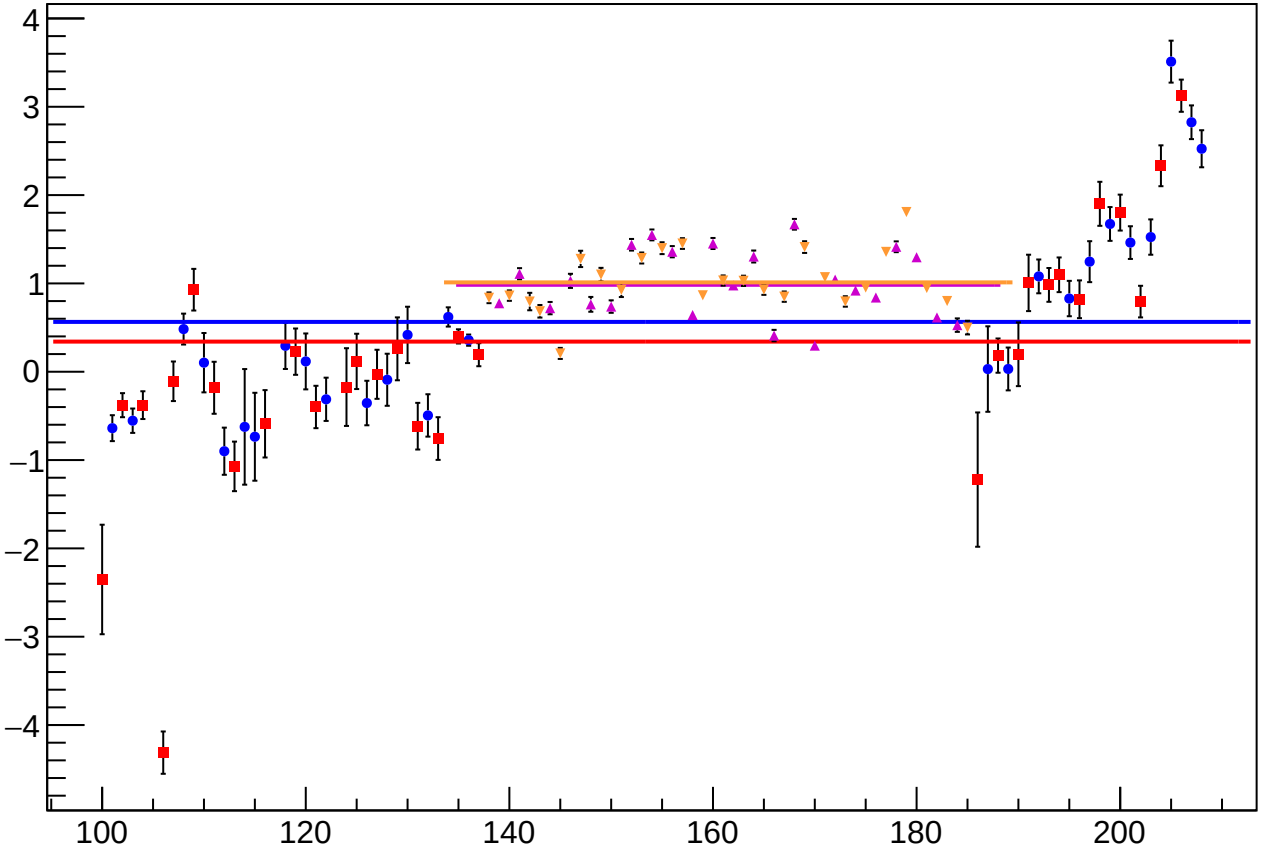
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -109.091+/-0.256 χ^2/NDF: 5992.4/51

All: -108.993+/-0.185 χ^2/NDF: 12736.0/105

- sign -108.887+/-0.267 χ^2/NDF: 6743.3/53

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.564+/-0.035 χ^2/NDF: 725.3/26

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.341+/-0.037 χ^2/NDF: 984.1/30

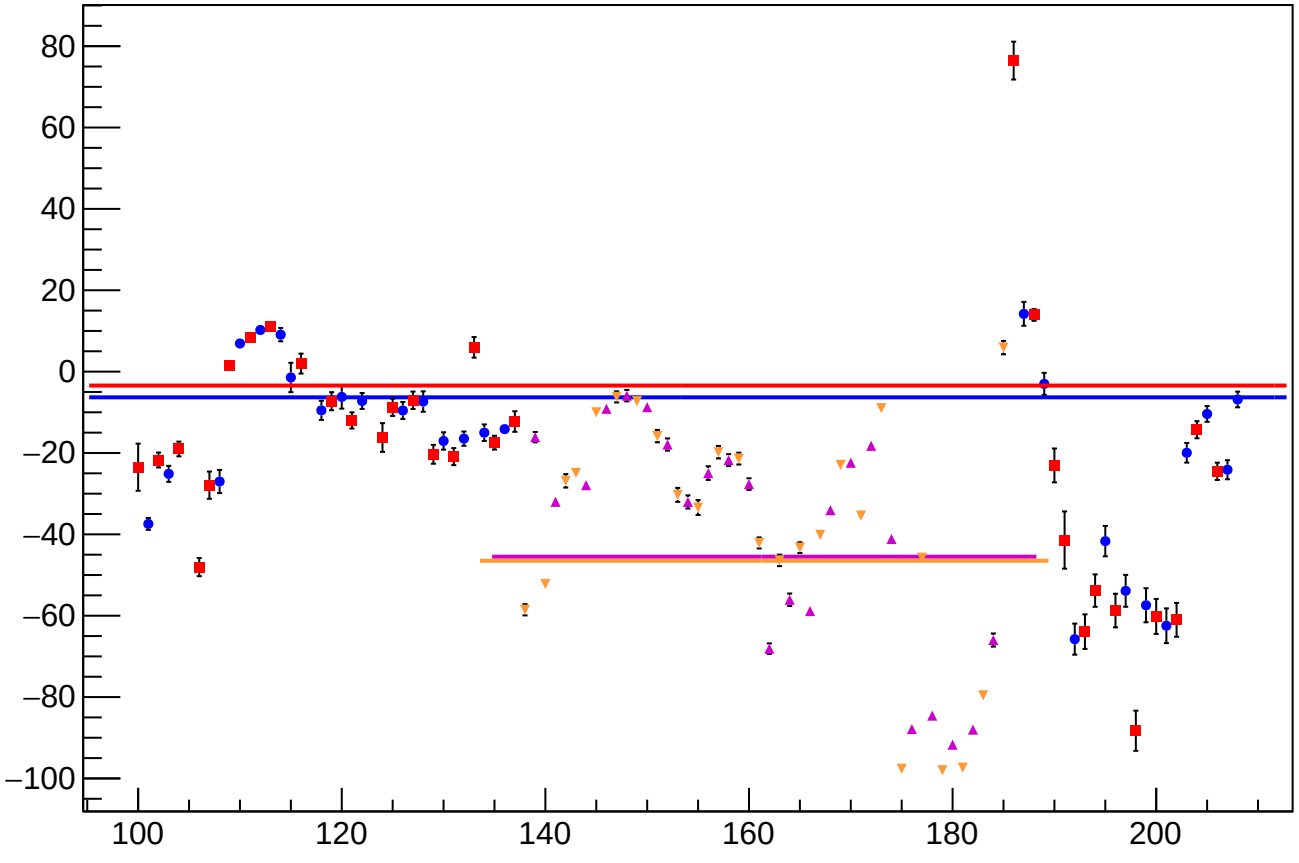
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.962+/-0.012 χ^2/NDF: 1564.3/51

All: 0.940+/-0.008 χ^2/NDF: 3729.0/105

- sign 0.917+/-0.012 χ^2/NDF: 2157.5/53

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -6.319+/-0.343 χ^2/NDF: 2529.4/26

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -3.426+/-0.315 χ^2/NDF: 3374.4/30

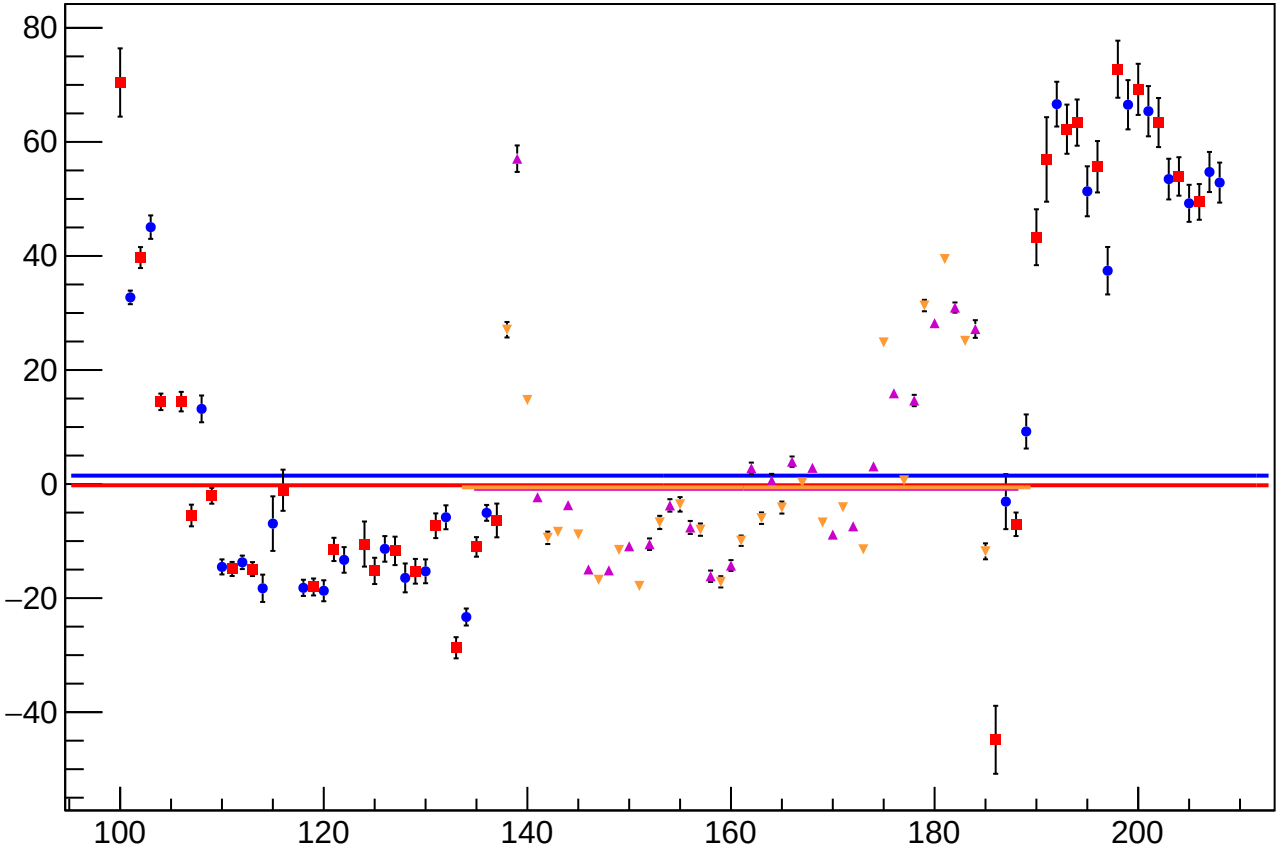
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.027+/-0.191 χ^2/NDF: 32036.1/51

All: -32.099+/-0.135 χ^2/NDF: 62565.3/105

- sign -30.199+/-0.190 χ^2/NDF: 30327.0/53

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 1.478+/-0.403 χ^2/NDF: 4152.3/26

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -0.215+/-0.394 χ^2/NDF: 3661.0/30

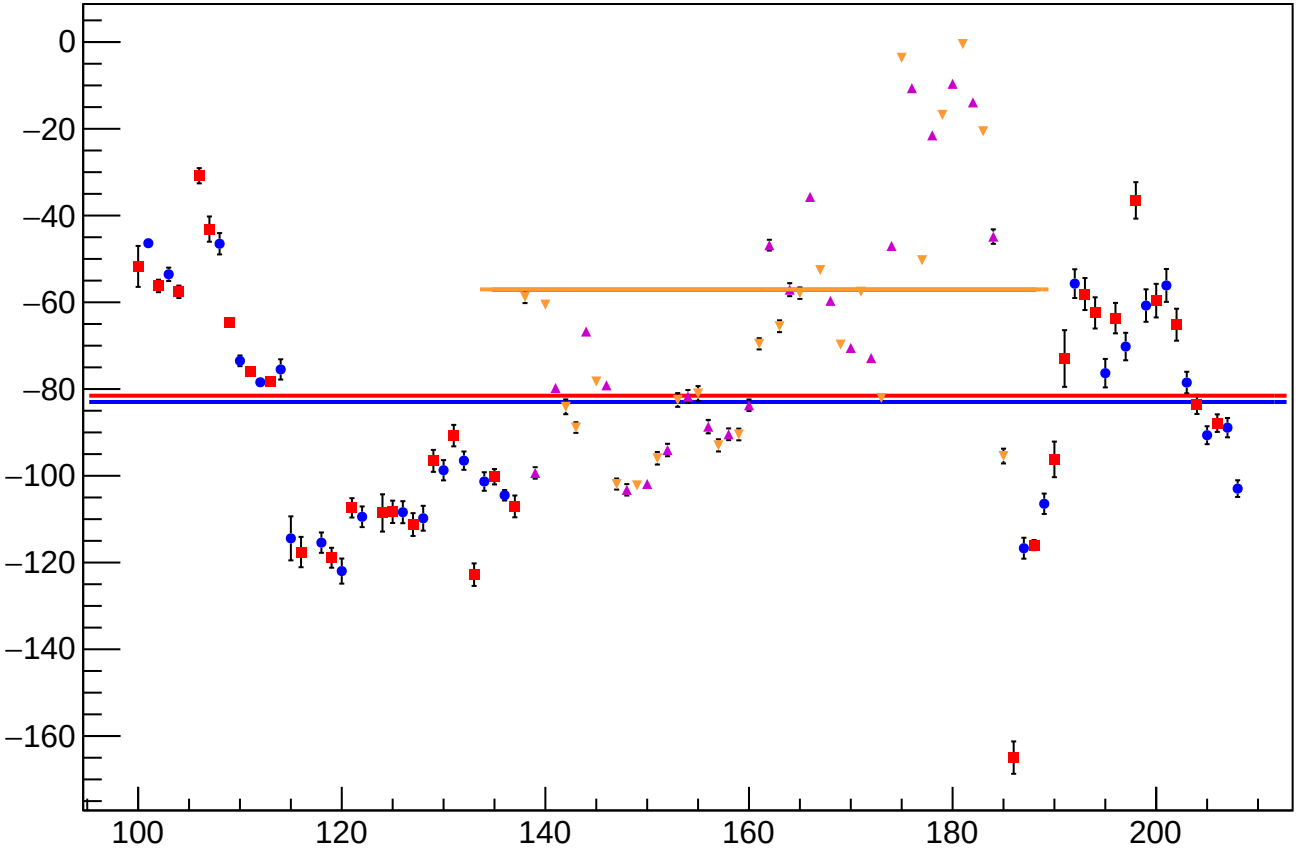
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -0.240+/-0.162 χ^2/NDF: 12625.4/51

All: -0.474+/-0.116 χ^2/NDF: 22409.3/105

- sign -0.719+/-0.166 χ^2/NDF: 9779.6/53

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -82.983+/-0.382 χ^2/NDF: 3488.3/26

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -81.532+/-0.365 χ^2/NDF: 4880.5/30

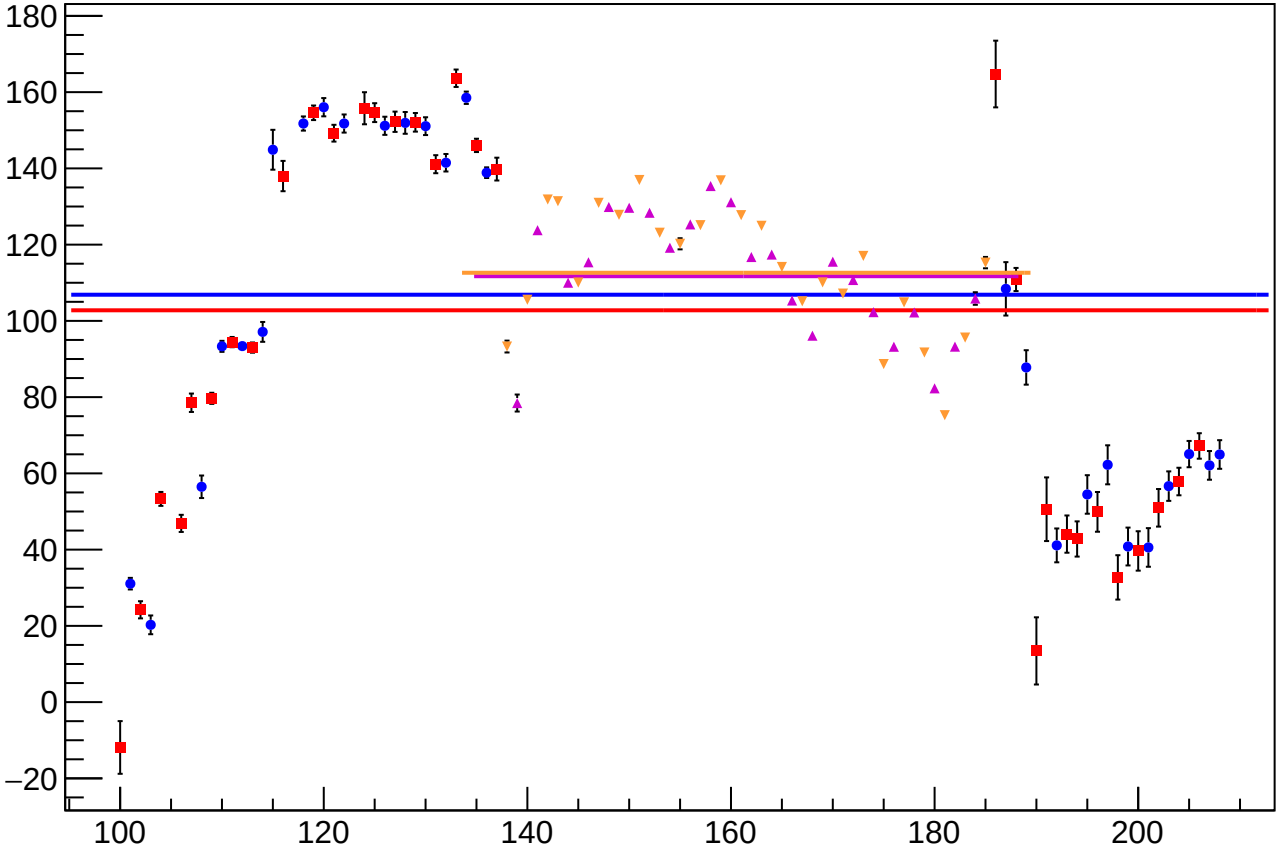
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -63.924+/-0.197 χ^2/NDF: 27184.1/51

All: -64.125+/-0.140 χ^2/NDF: 52395.1/105

- sign -64.330+/-0.198 χ^2/NDF: 25209.0/53

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 106.863+/-0.459 χ^2/NDF: 9719.4/26

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 102.777+/-0.452 χ^2/NDF: 8929.2/30

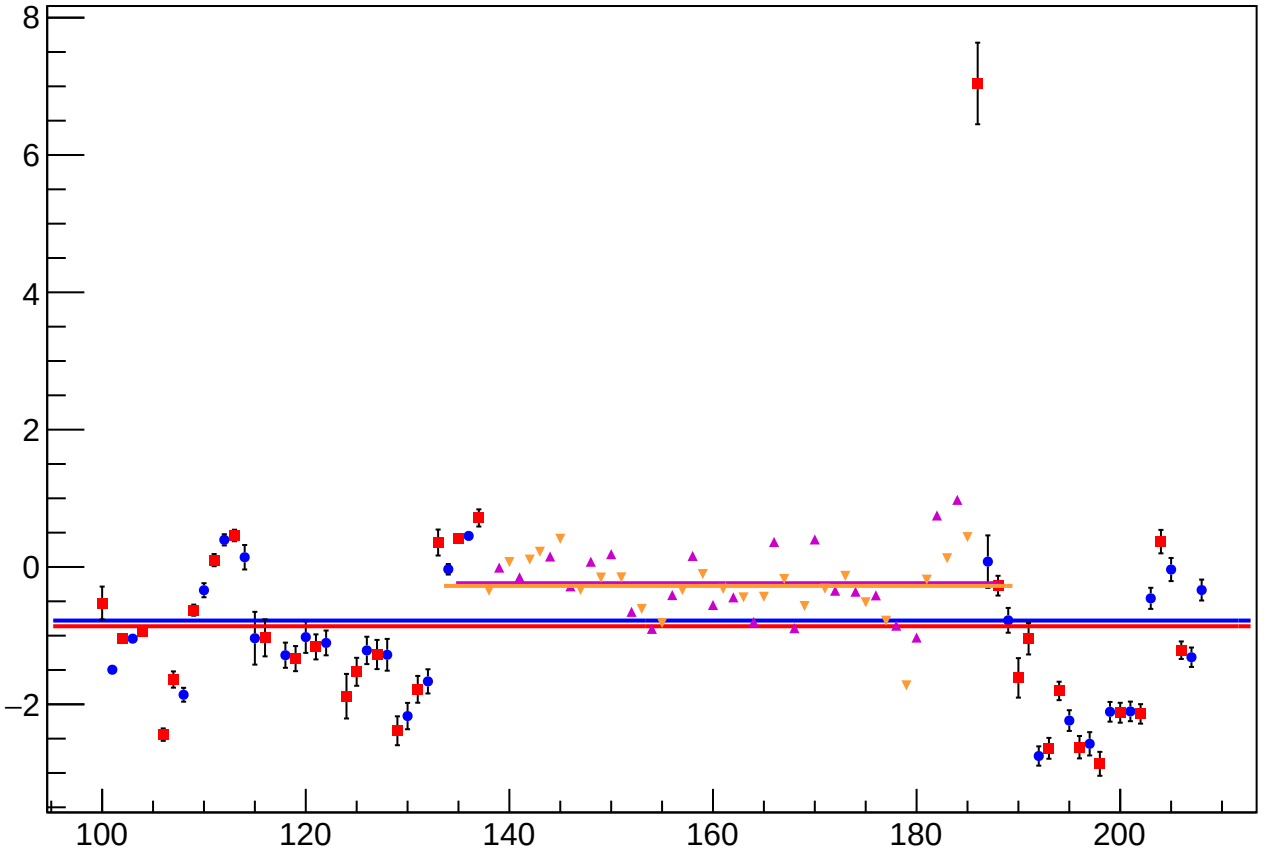
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 111.705+/-0.183 χ^2/NDF: 16560.0/51

All: 110.960+/-0.131 χ^2/NDF: 30744.2/105

- sign 110.180+/-0.187 χ^2/NDF: 14150.4/53

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.780+/-0.023 χ^2/NDF: 1789.7/26

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.863+/-0.022 χ^2/NDF: 2234.6/30

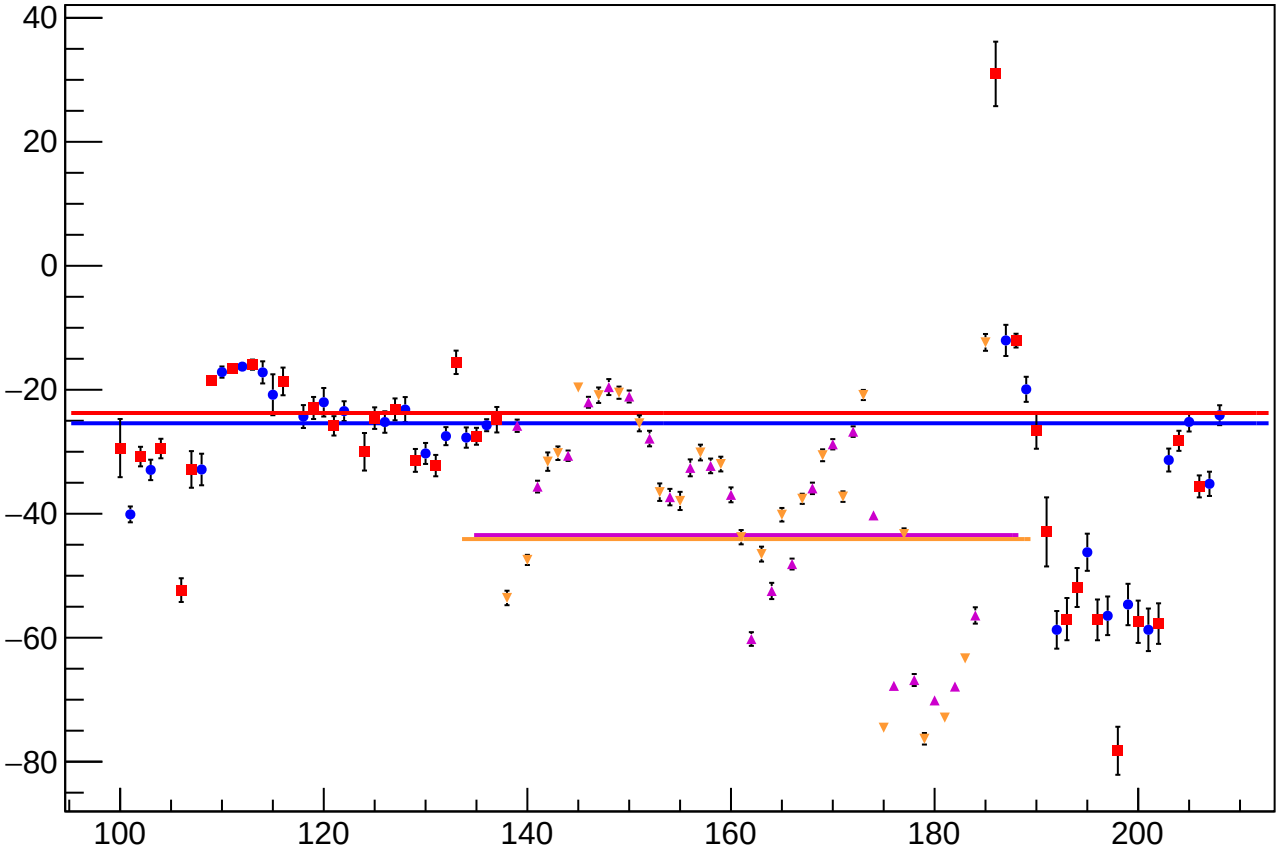
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.344+/-0.008 χ^2/NDF: 4338.6/51

All: -0.336+/-0.006 χ^2/NDF: 10213.9/105

- sign -0.328+/-0.008 χ^2/NDF: 5873.5/53

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -25.404+/-0.309 χ^2/NDF: 943.7/26

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.747+/-0.290 χ^2/NDF: 1538.0/30

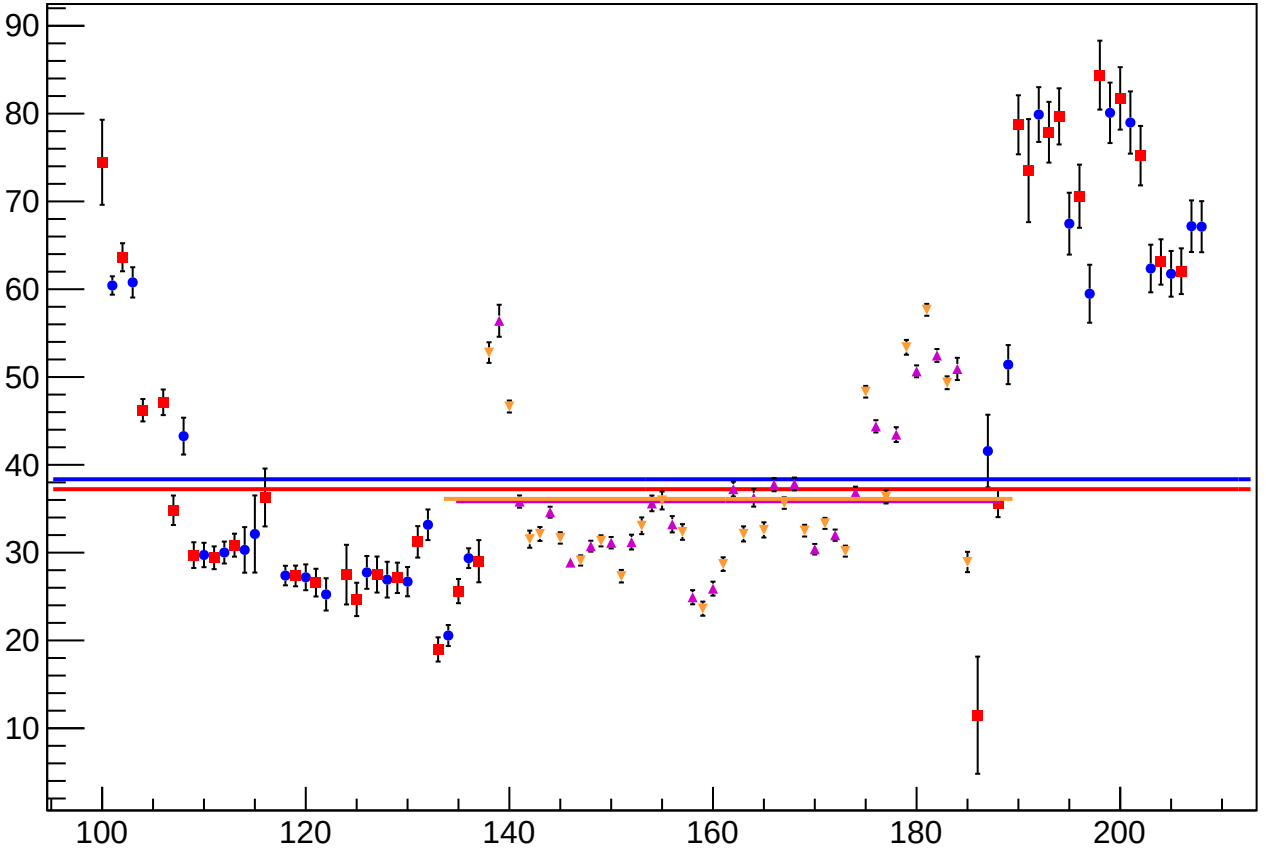
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -38.832+/-0.164 χ^2/NDF: 13918.9/51

All: -37.995+/-0.116 χ^2/NDF: 26466.7/105

- sign -37.155+/-0.164 χ^2/NDF: 12495.4/53

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 38.356+/-0.347 χ^2/NDF: 2277.6/26

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 37.227+/-0.343 χ^2/NDF: 2234.3/30

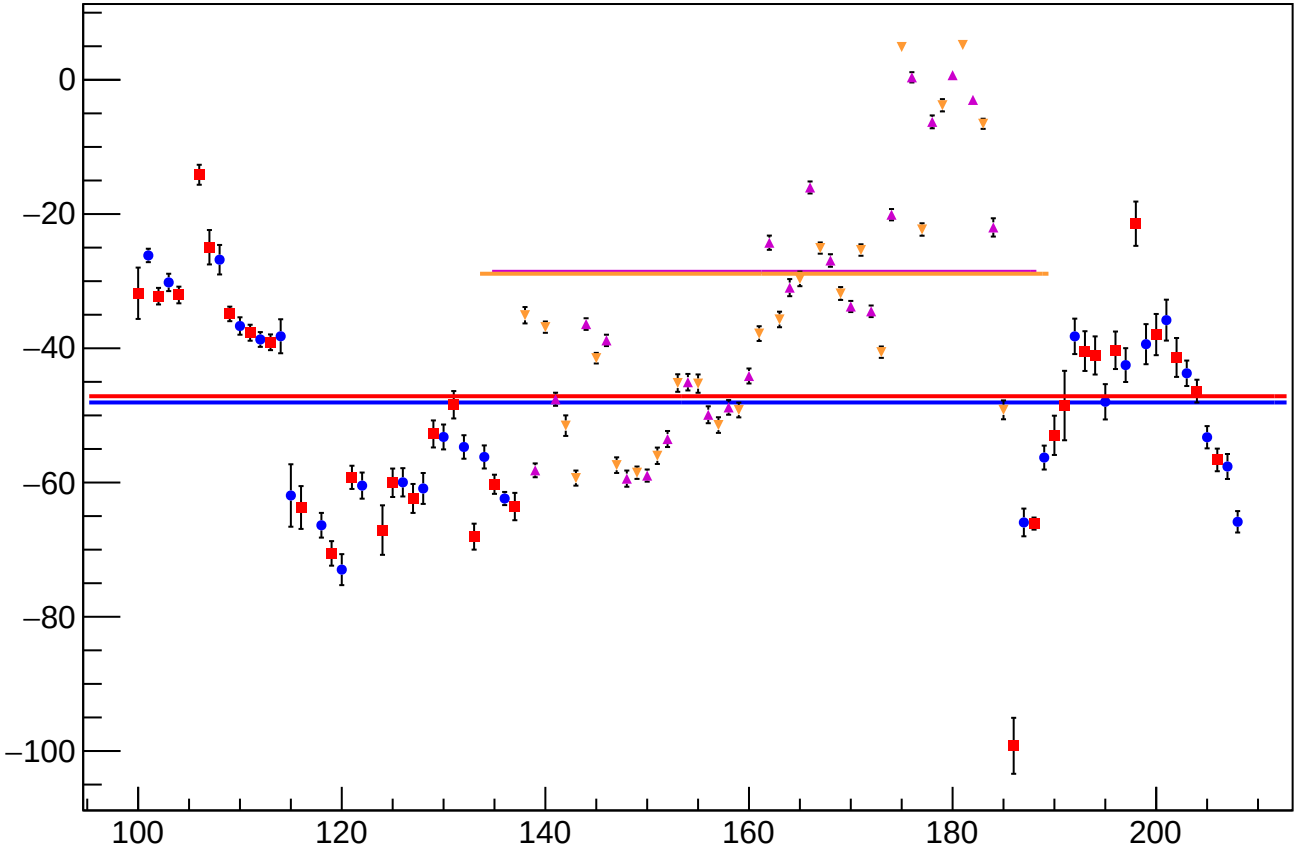
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.475+/-0.138 χ^2/NDF: 5871.1/51

All: 36.285+/-0.099 χ^2/NDF: 10416.2/105

- sign 36.086+/-0.141 χ^2/NDF: 4541.2/53

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -48.072+/-0.331 χ^2/NDF: 1818.6/26

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -47.142+/-0.319 χ^2/NDF: 2470.9/30

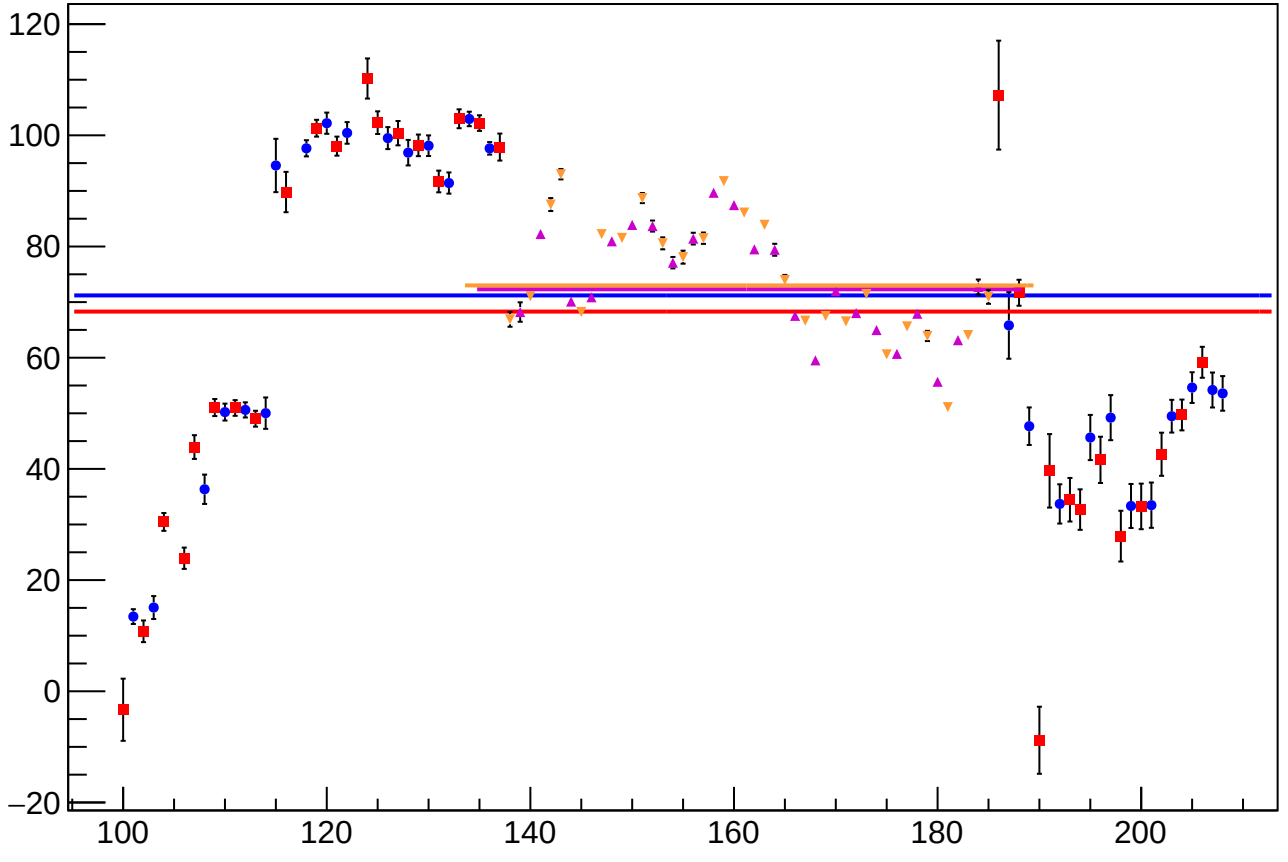
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -33.745+/-0.167 χ^2/NDF: 16122.5/51

All: -33.746+/-0.118 χ^2/NDF: 31045.7/105

- sign -33.748+/-0.168 χ^2/NDF: 14923.1/53

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 71.204+/-0.396 χ^2/NDF: 6469.3/26

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 68.297+/-0.395 χ^2/NDF: 6345.8/30

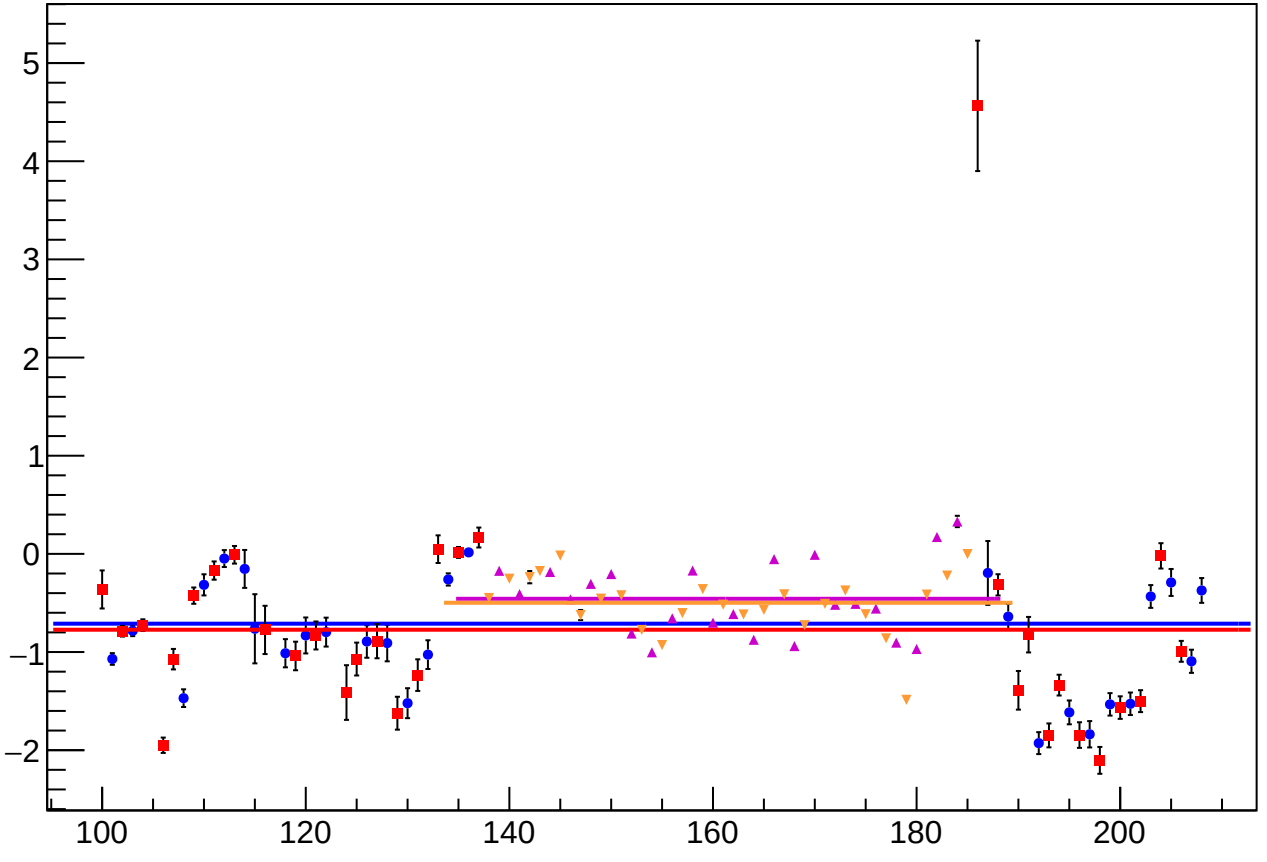
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 72.727+/-0.155 χ^2/NDF: 10539.1/51

All: 72.204+/-0.111 χ^2/NDF: 19906.8/105

- sign 71.656+/-0.159 χ^2/NDF: 9344.4/53

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.711+/-0.019 χ^2/NDF: 919.7/26

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.773+/-0.019 χ^2/NDF: 1228.6/30

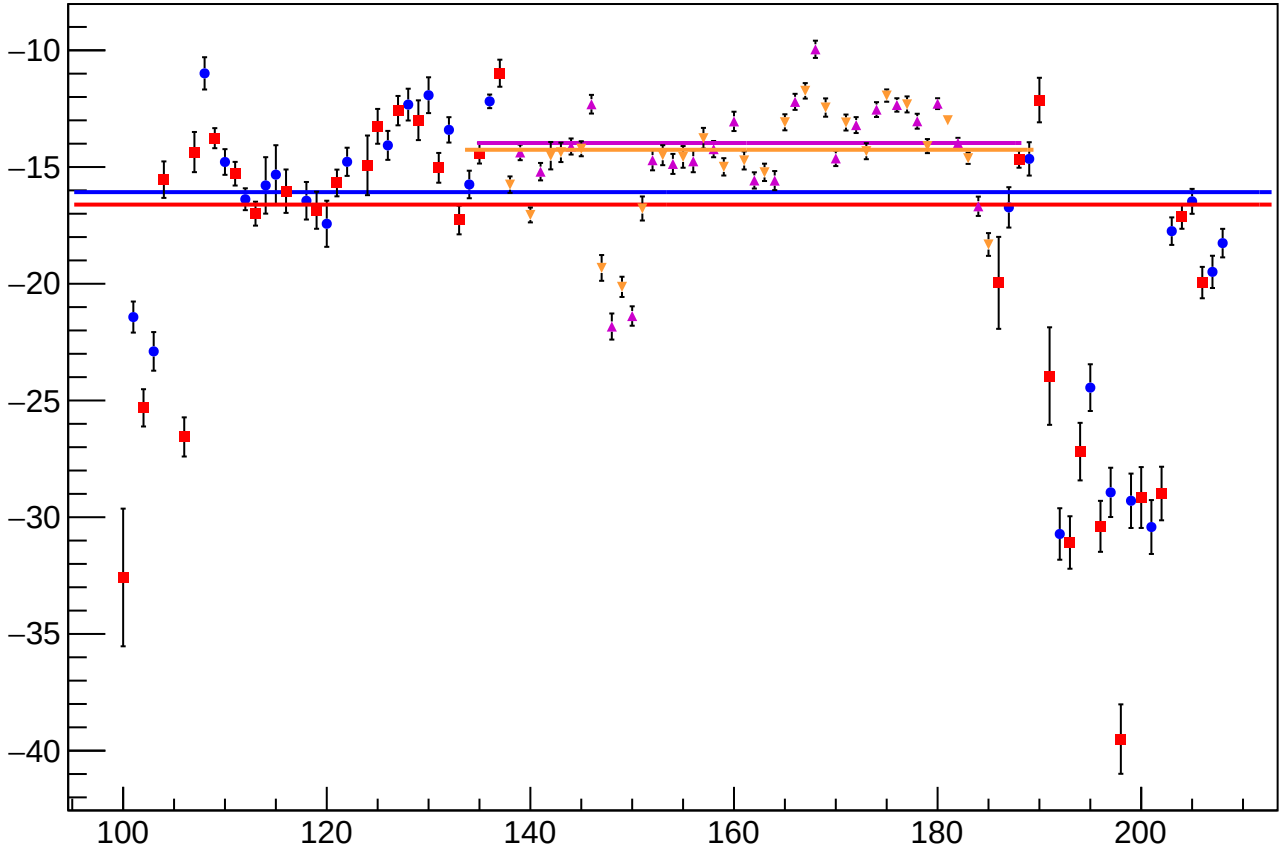
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.526+/-0.007 χ^2/NDF: 2509.3/51

All: -0.514+/-0.005 χ^2/NDF: 6082.4/105

- sign -0.501+/-0.007 χ^2/NDF: 3566.8/53

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -16.075+/-0.126 χ^2/NDF: 1200.2/26

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.609+/-0.126 χ^2/NDF: 1494.7/30

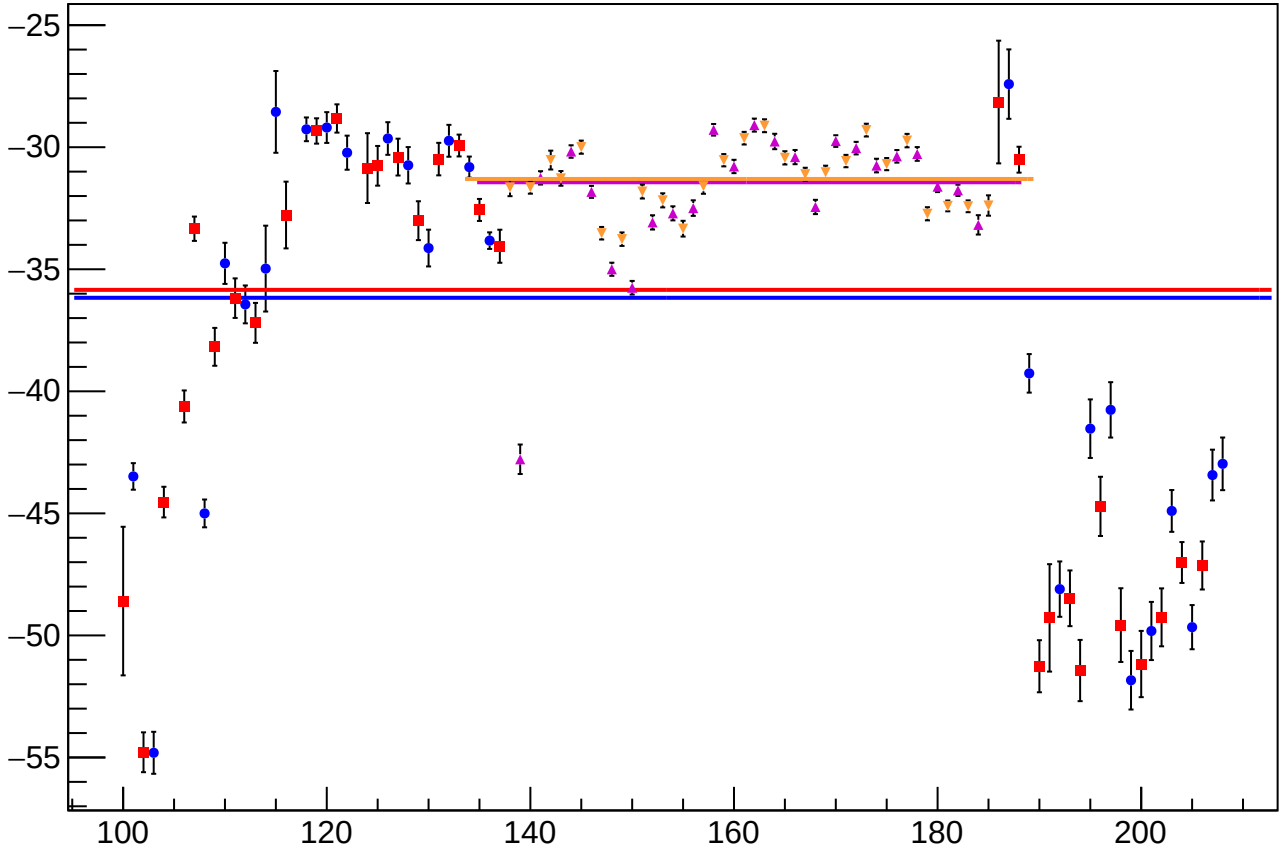
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.688+/-0.061 χ^2/NDF: 2083.8/51

All: -14.655+/-0.044 χ^2/NDF: 4819.0/105

- sign -14.621+/-0.062 χ^2/NDF: 2734.6/53

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.168+/-0.138 χ^2/NDF: 2682.8/26

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -35.844+/-0.137 χ^2/NDF: 2897.1/30

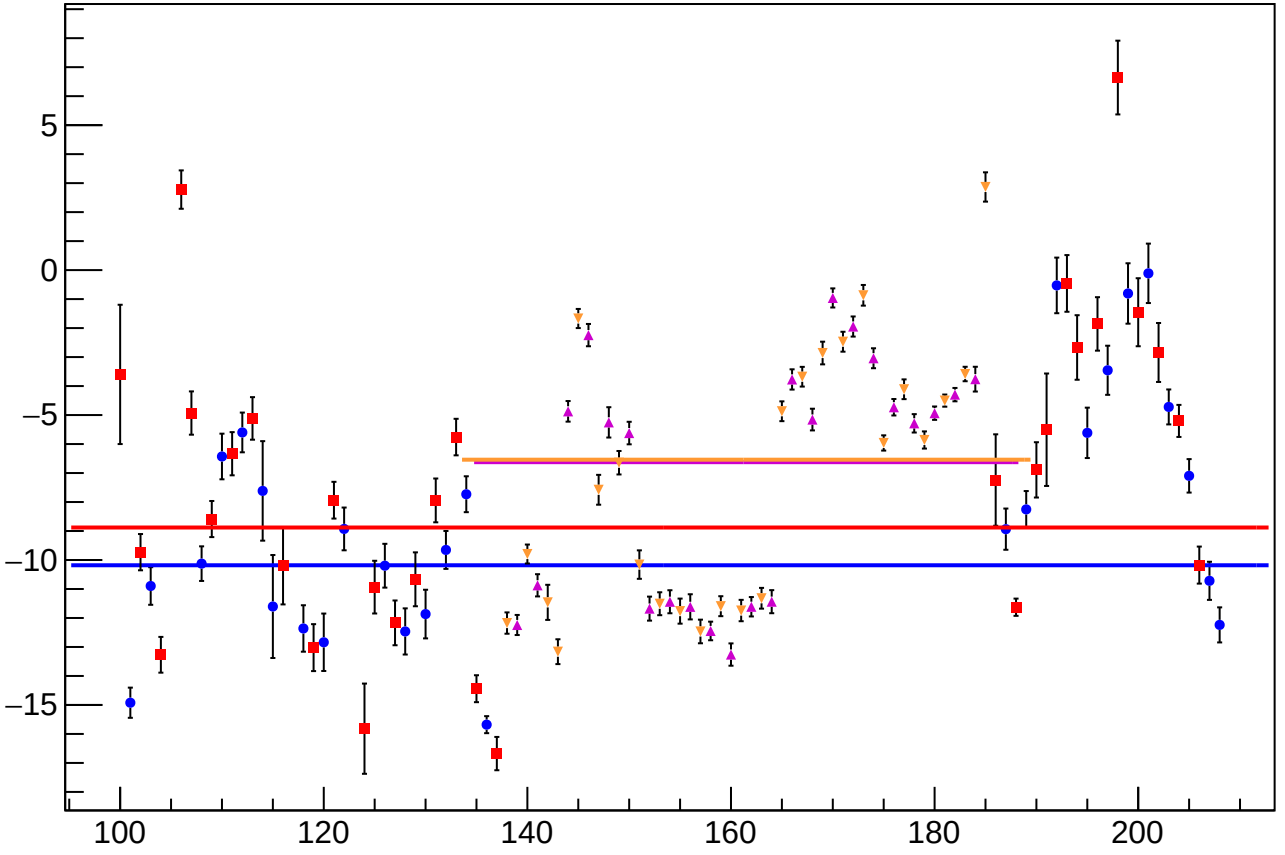
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.975+/-0.051 χ^2/NDF: 4311.4/51

All: -32.031+/-0.037 χ^2/NDF: 9304.8/105

- sign -32.091+/-0.053 χ^2/NDF: 4990.9/53

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.181+/-0.129 χ^2/NDF: 1056.1/26

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -8.879+/-0.128 χ^2/NDF: 1393.2/30

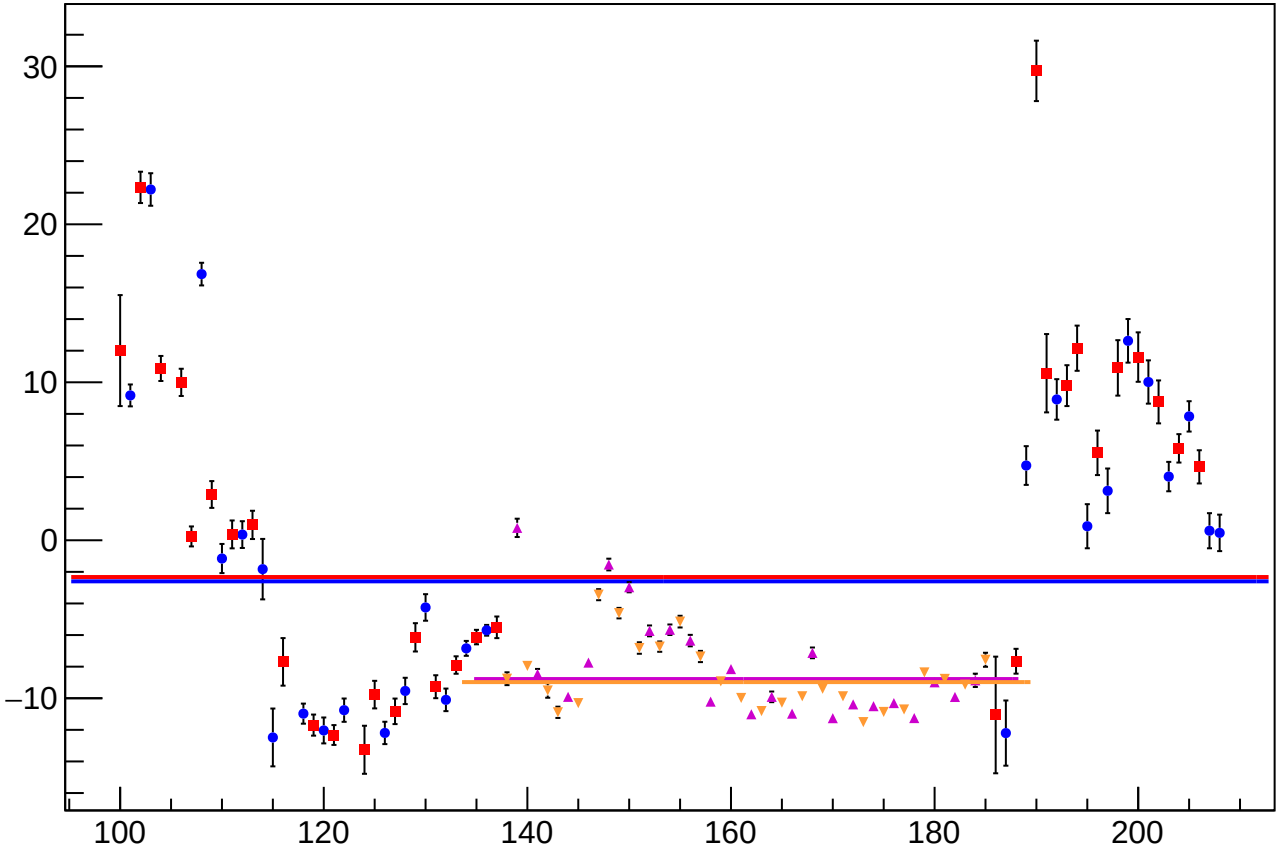
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.358+/-0.061 χ^2/NDF: 4915.0/51

All: -7.260+/-0.044 χ^2/NDF: 9457.1/105

- sign -7.159+/-0.062 χ^2/NDF: 4536.9/53

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -2.599+/-0.156 χ^2/NDF: 3159.2/26

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -2.327+/-0.159 χ^2/NDF: 3104.3/30

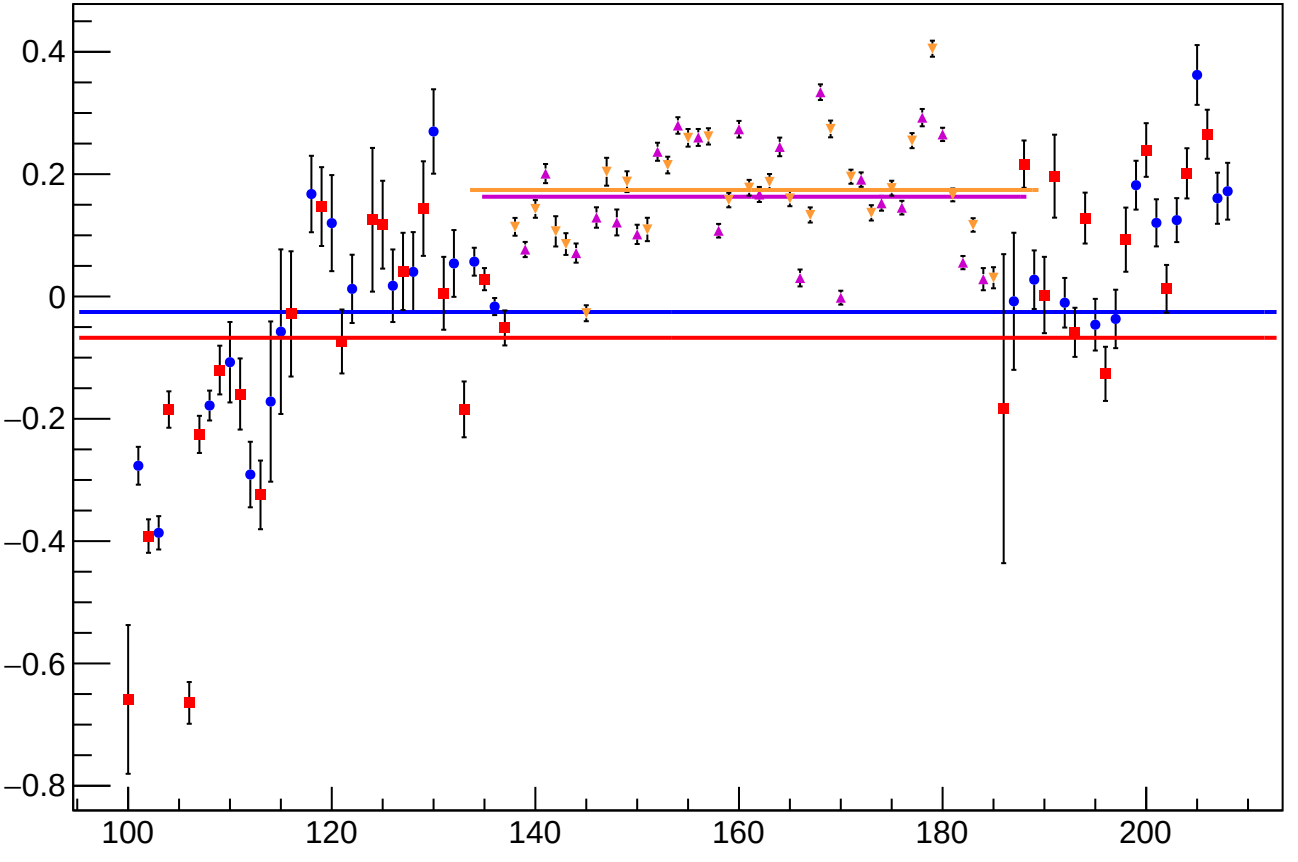
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.119+/-0.057 χ^2/NDF: 5581.5/51

All: -8.014+/-0.041 χ^2/NDF: 11796.4/105

- sign -7.902+/-0.059 χ^2/NDF: 6207.9/53

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.007 χ^2/NDF: 518.2/26

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.068+/-0.008 χ^2/NDF: 874.2/30

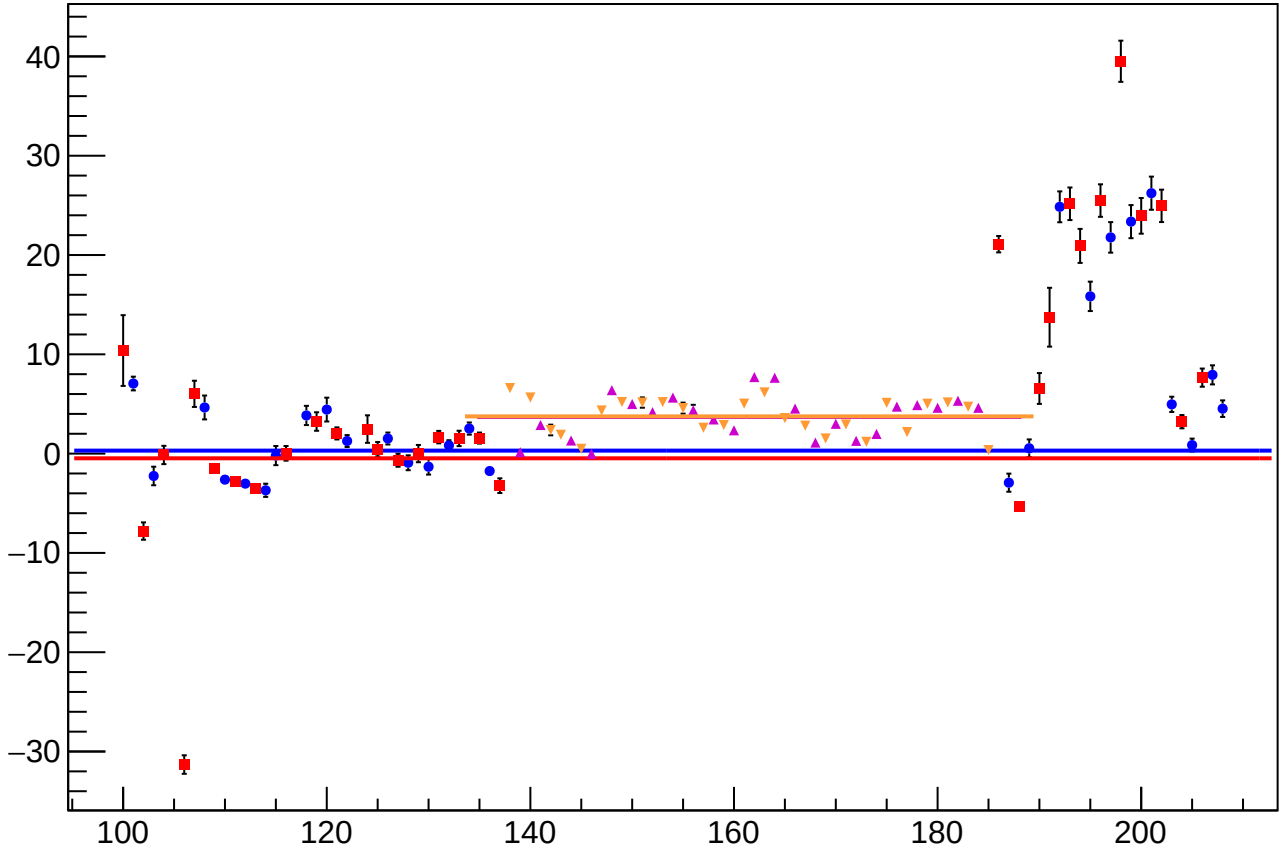
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.149+/-0.003 χ^2/NDF: 2112.4/51

All: 0.142+/-0.002 χ^2/NDF: 5027.5/105

- sign 0.135+/-0.003 χ^2/NDF: 2900.7/53

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.302+/-0.124 χ^2/NDF: 1582.3/26

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.472+/-0.118 χ^2/NDF: 3841.0/30

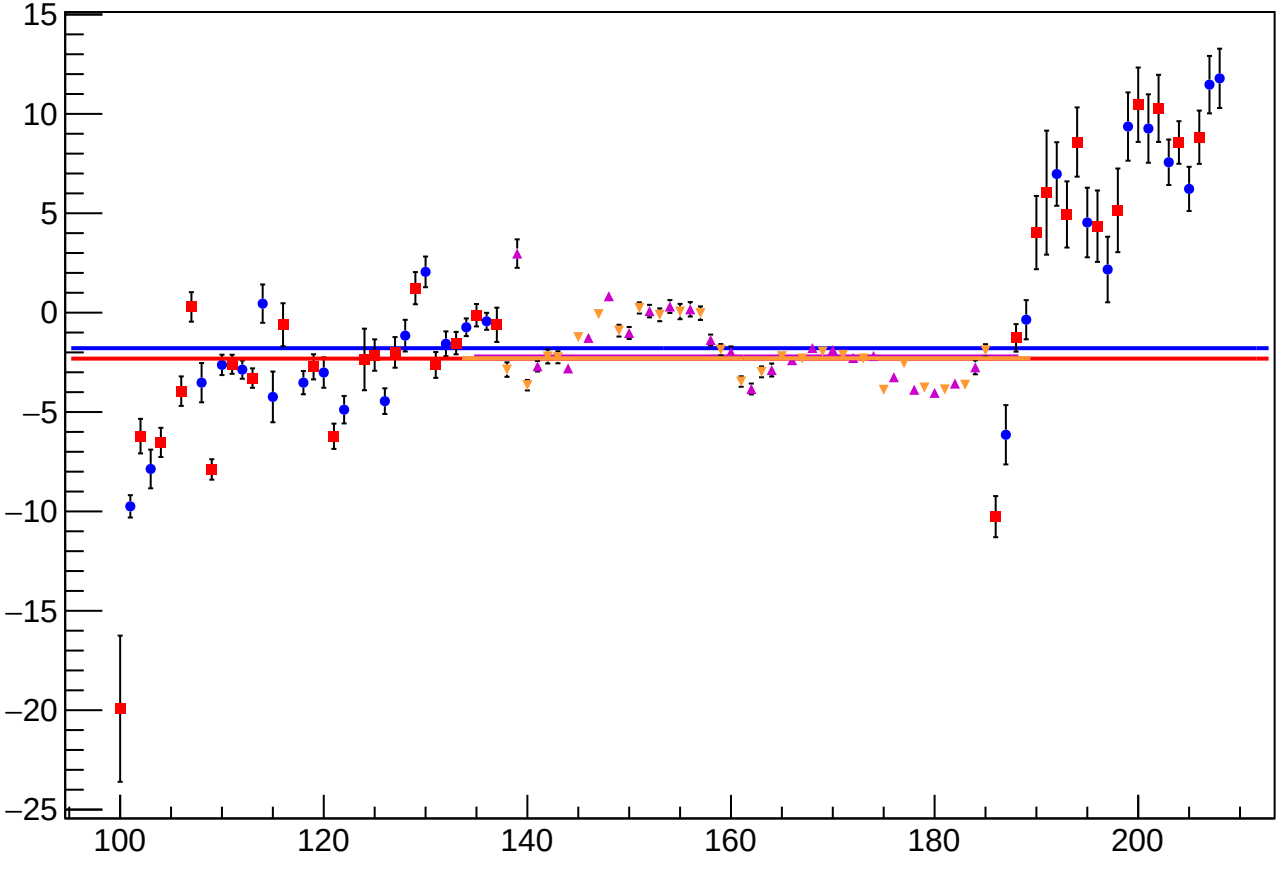
Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 3.064+/-0.055 χ^2/NDF: 3007.6/51

All: 2.904+/-0.039 χ^2/NDF: 8784.7/105

- sign 2.740+/-0.056 χ^2/NDF: 5760.2/53

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.788+/-0.146 χ^2/NDF: 777.8/26

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.313+/-0.146 χ^2/NDF: 735.3/30

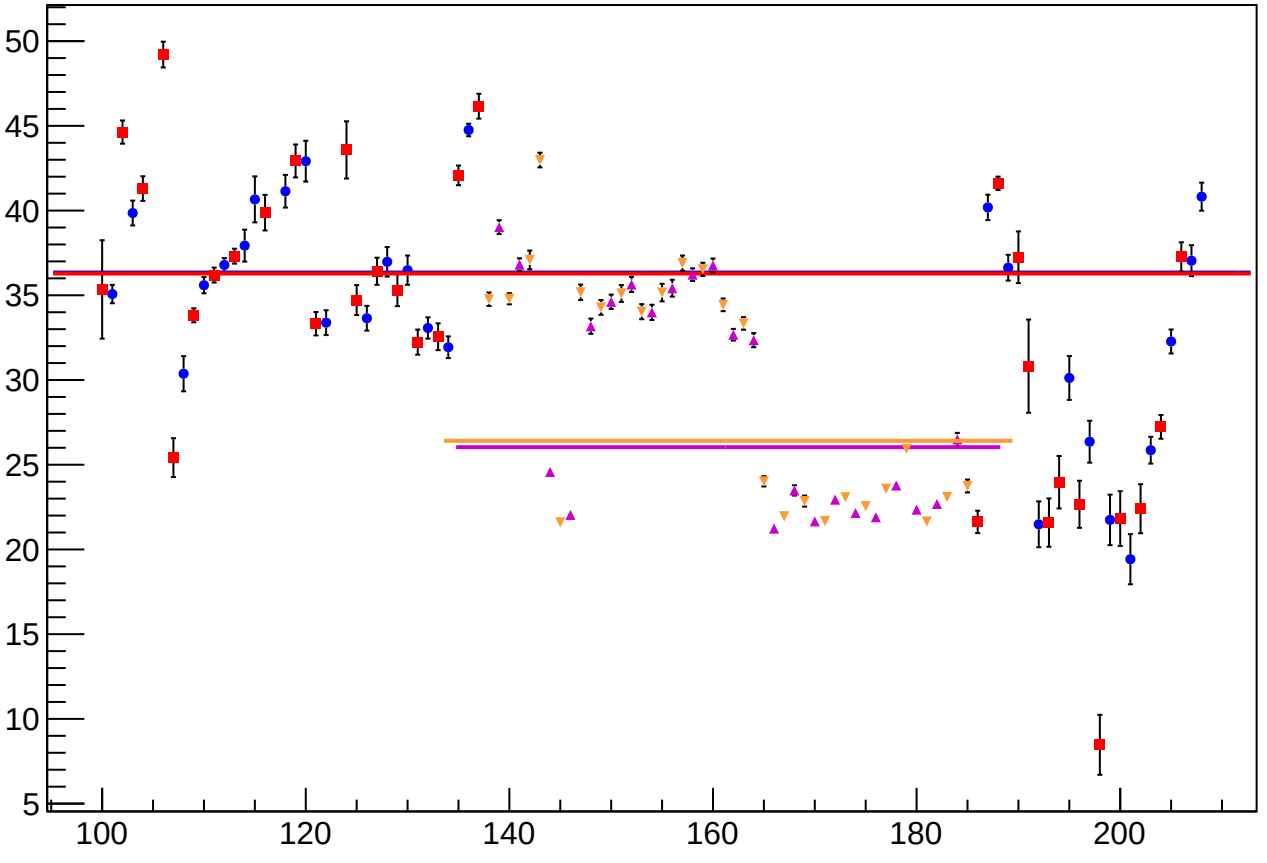
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.242+/-0.047 χ^2/NDF: 1420.0/51

All: -2.229+/-0.034 χ^2/NDF: 2880.6/105

- sign -2.216+/-0.048 χ^2/NDF: 1460.5/53

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 36.343+/-0.140 χ^2/NDF: 1454.7/26

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.285+/-0.135 χ^2/NDF: 2578.8/30

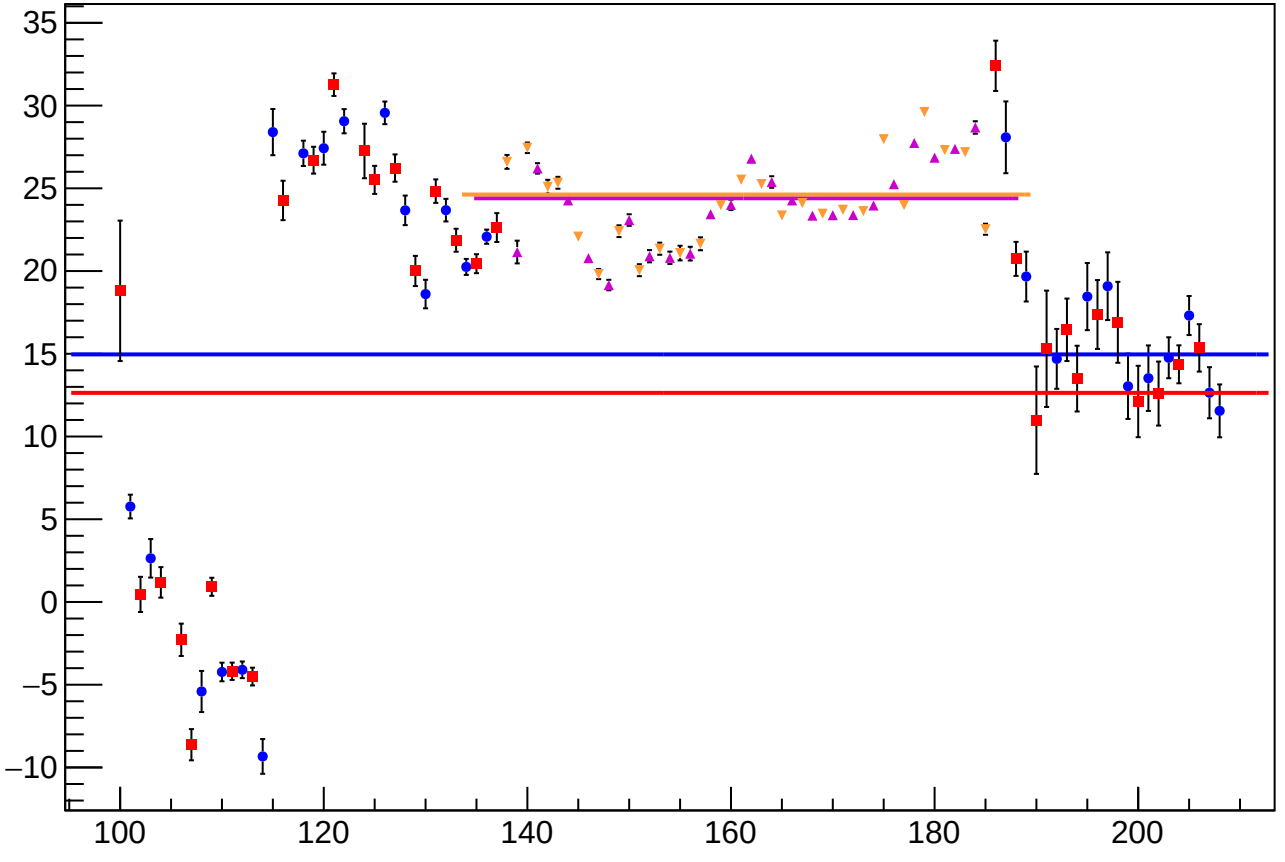
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 28.055+/-0.057 χ^2/NDF: 14887.8/51

All: 27.980+/-0.041 χ^2/NDF: 30000.3/105

- sign 27.902+/-0.058 χ^2/NDF: 15109.0/53

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.963+/-0.164 χ^2/NDF: 5752.7/26

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.639+/-0.166 χ^2/NDF: 6370.7/30

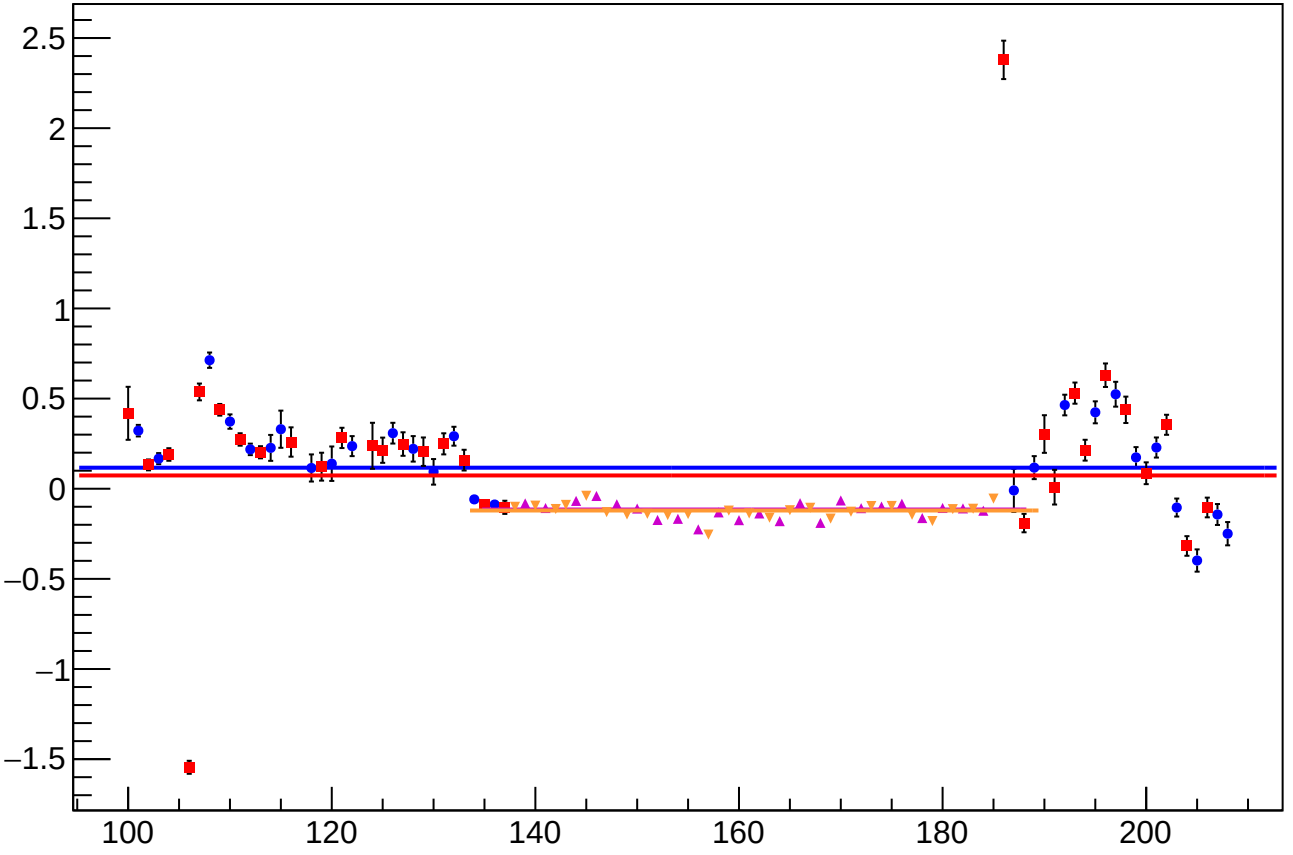
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.641+/-0.052 χ^2/NDF: 10823.2/51

All: 23.416+/-0.037 χ^2/NDF: 23434.4/105

- sign 23.181+/-0.053 χ^2/NDF: 12573.3/53

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.117+/-0.008 χ^2/NDF: 765.1/26

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.074+/-0.009 χ^2/NDF: 3181.5/30

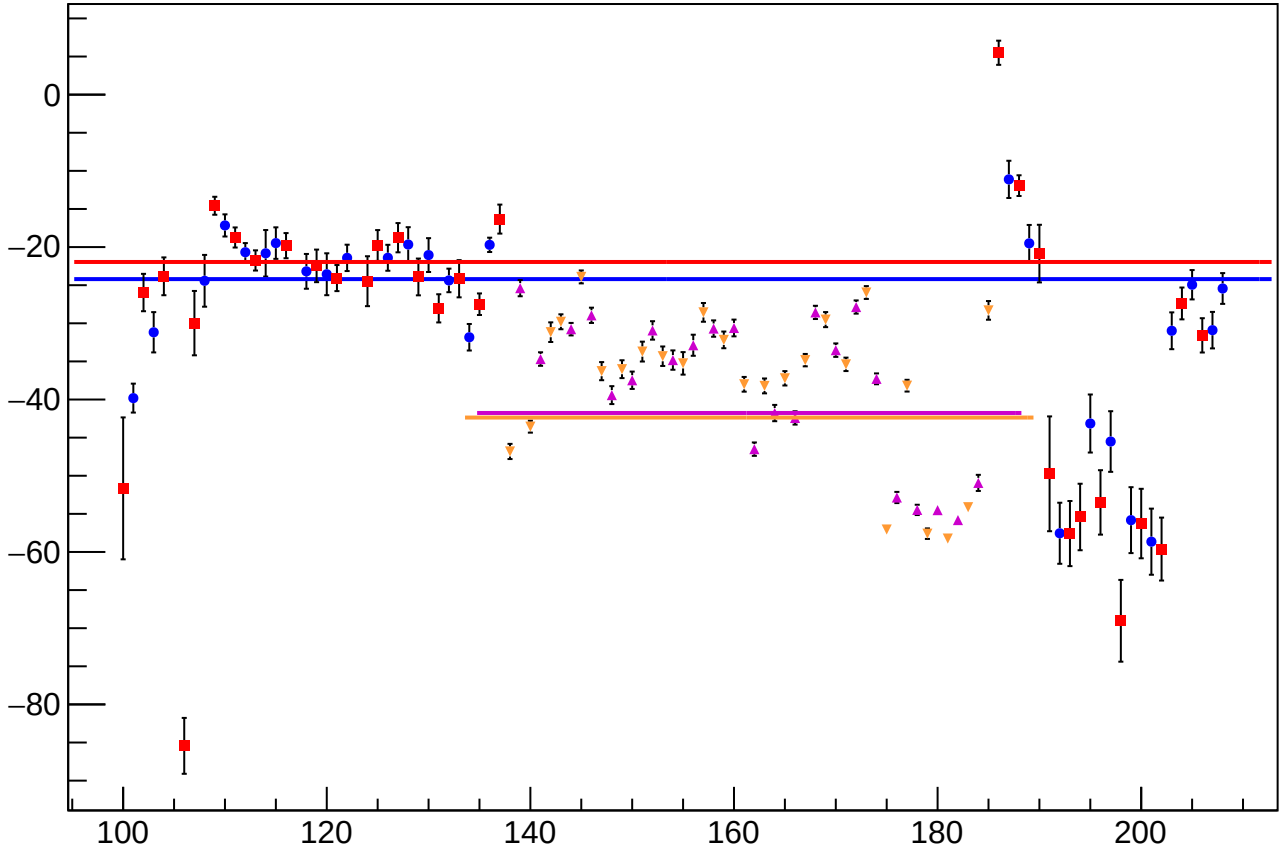
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

\+ sign -0.102+/-0.002 χ^2/NDF: 1766.0/51

All: -0.101+/-0.002 χ^2/NDF: 5680.0/105

\- sign -0.101+/-0.002 χ^2/NDF: 3913.8/53

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -24.201+/-0.384 χ^2/NDF: 454.8/26

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -21.953+/-0.377 χ^2/NDF: 1199.9/30

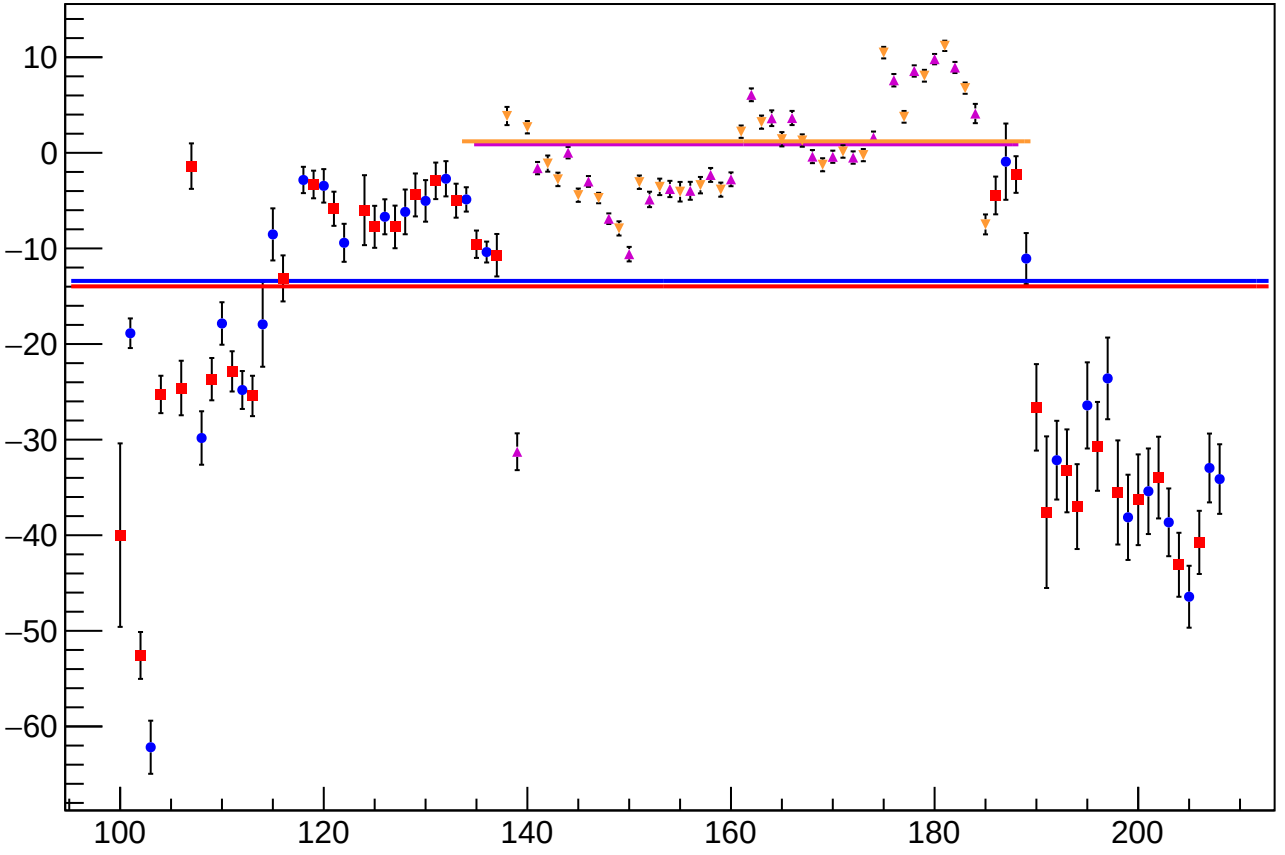
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.230+/-0.159 χ^2/NDF: 6787.6/51

All: -38.645+/-0.114 χ^2/NDF: 13715.8/105

- sign -38.028+/-0.164 χ^2/NDF: 6900.5/53

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -13.398+/-0.420 χ^2/NDF: 932.9/26

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -13.969+/-0.431 χ^2/NDF: 919.3/30

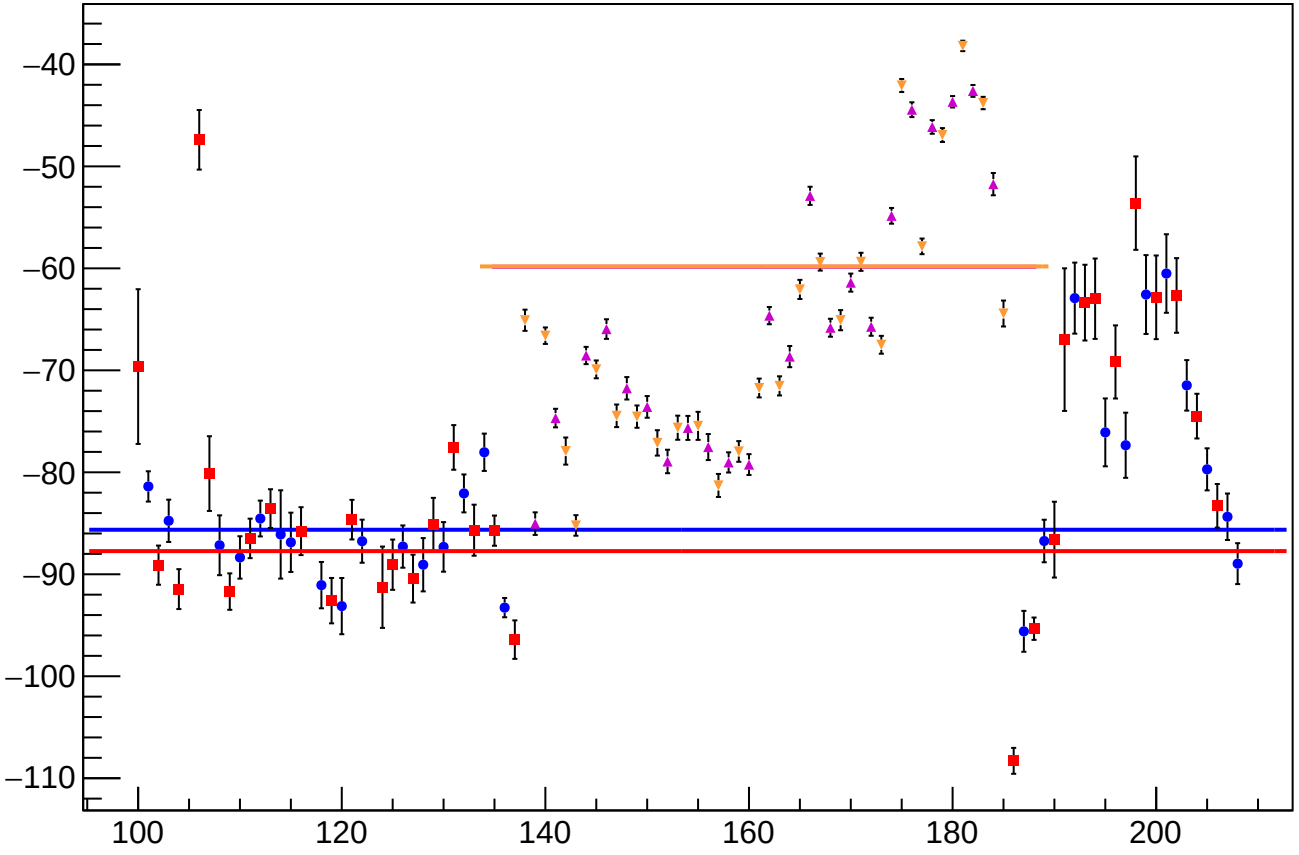
Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign -0.220+/-0.131 χ^2/NDF: 3485.4/51

All: -0.395+/-0.094 χ^2/NDF: 7241.9/105

- sign -0.582+/-0.136 χ^2/NDF: 3752.9/53

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -85.633+/-0.406 χ^2/NDF: 317.7/26

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -87.728+/-0.399 χ^2/NDF: 879.9/30

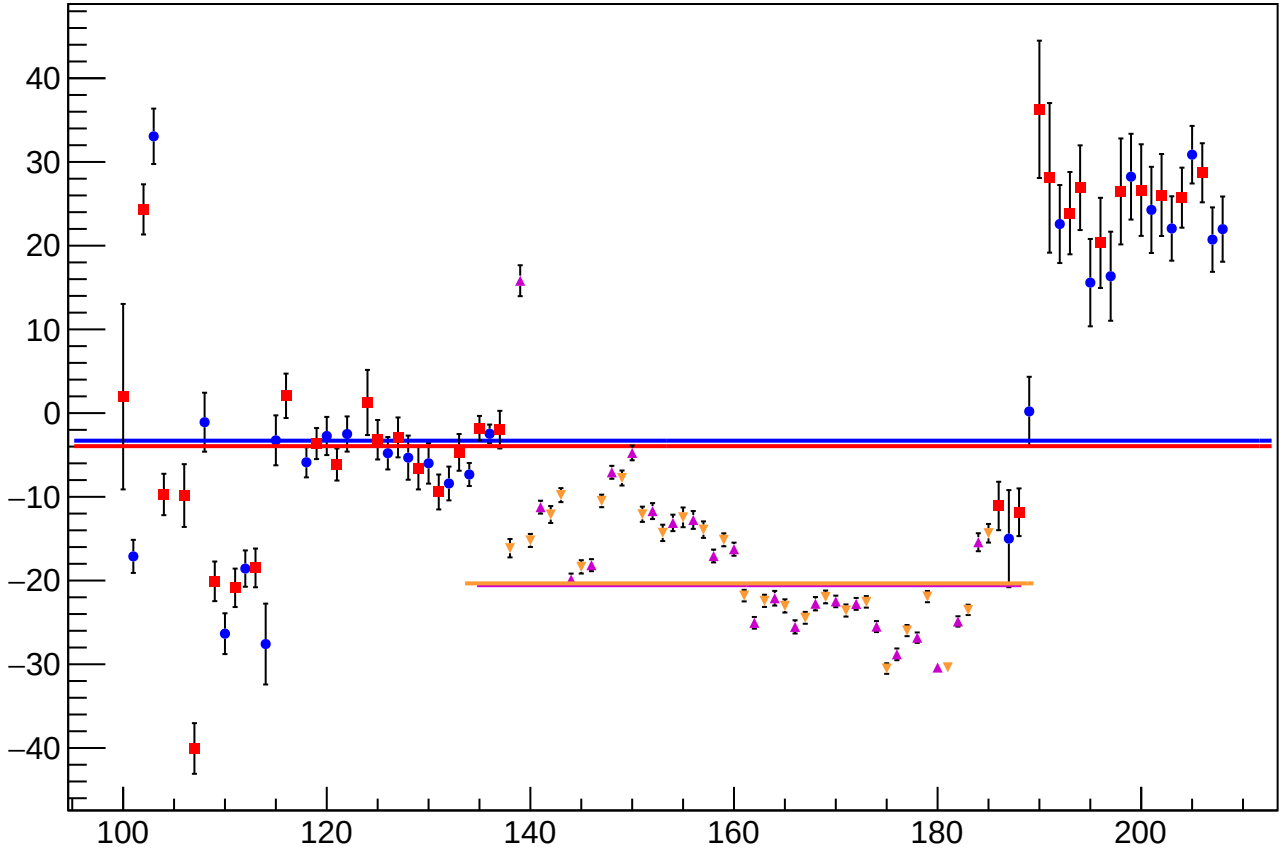
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.859+/-0.161 χ^2/NDF: 10366.1/51

All: -64.223+/-0.115 χ^2/NDF: 20836.8/105

- sign -64.604+/-0.165 χ^2/NDF: 10460.3/53

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -3.294+/-0.474 χ^2/NDF: 706.7/26

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -3.947+/-0.497 χ^2/NDF: 786.1/30

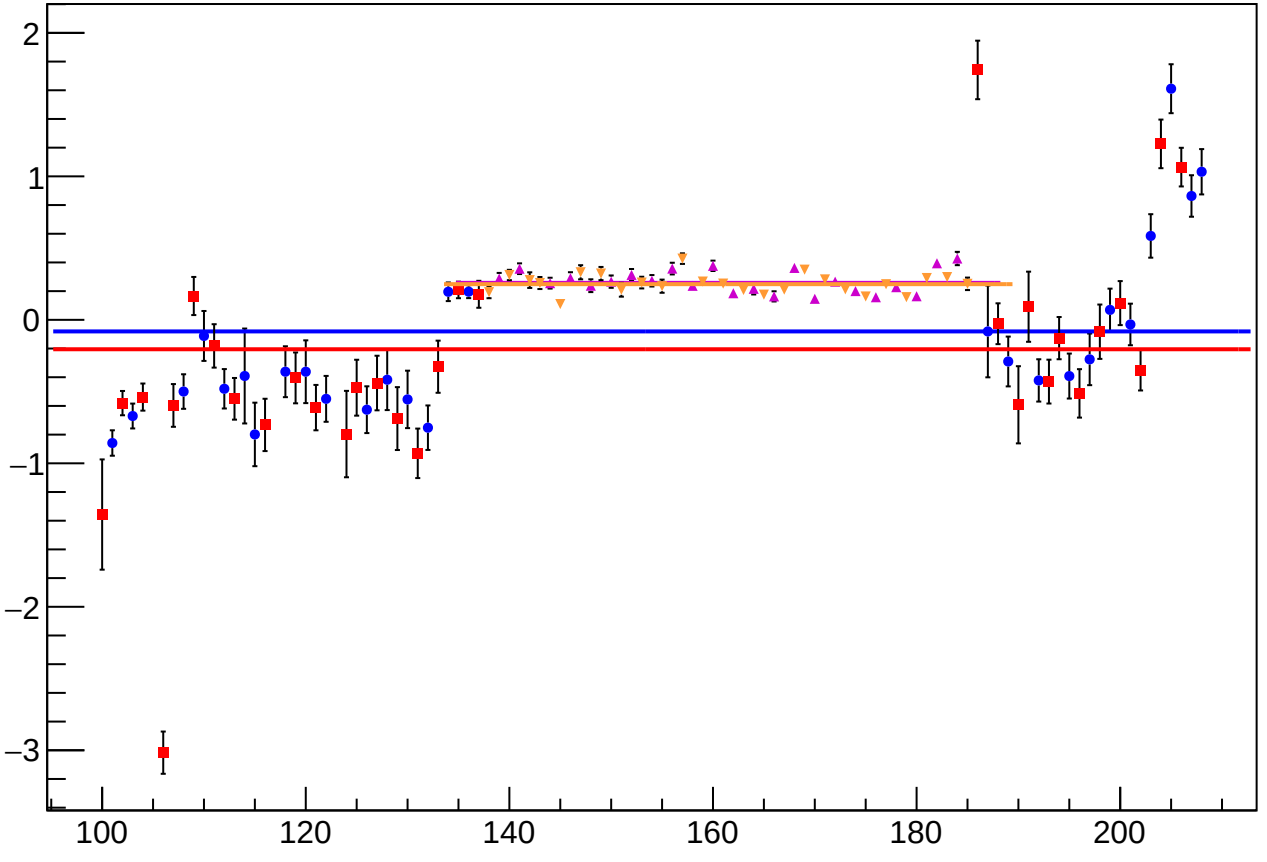
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -18.702+/-0.147 χ^2/NDF: 3575.2/51

All: -18.847+/-0.106 χ^2/NDF: 7570.0/105

- sign -19.002+/-0.152 χ^2/NDF: 3992.8/53

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.081+/-0.023 χ^2/NDF: 485.3/26

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.205+/-0.025 χ^2/NDF: 808.8/30

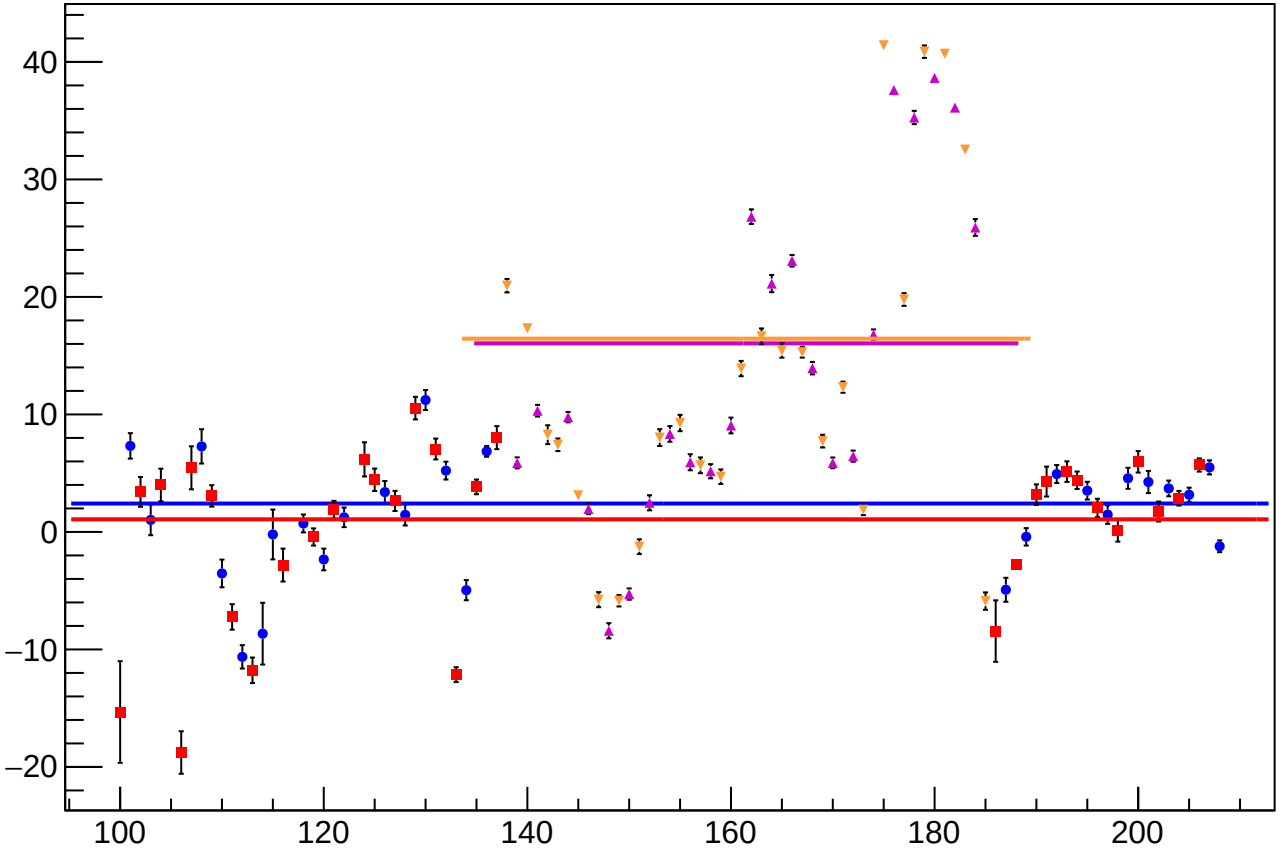
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.222+/-0.007 χ^2/NDF: 759.4/51

All: 0.222+/-0.005 χ^2/NDF: 2019.9/105

- sign 0.223+/-0.007 χ^2/NDF: 1260.4/53

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.417+/-0.155 χ^2/NDF: 747.9/26

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

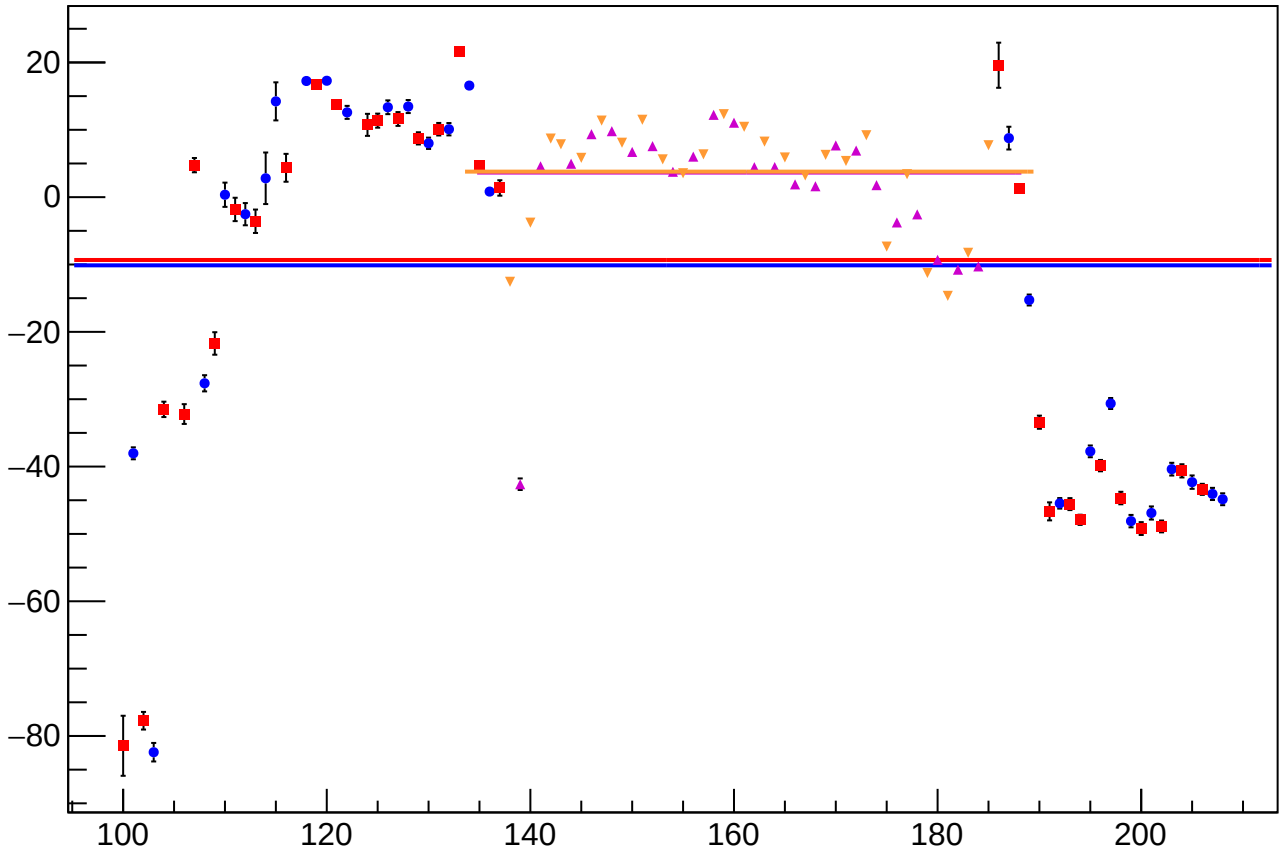
Right Out: 1.075+/-0.151 χ^2/NDF: 1319.0/30

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 12.076+/-0.086 χ^2/NDF: 27820.5/51

All: 11.567+/-0.061 χ^2/NDF: 53355.1/105

- sign 11.045+/-0.087 χ^2/NDF: 25464.2/53



Right In: -10.123+/-0.167 χ^2/NDF: 26635.0/26

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -9.327+/-0.161 χ^2/NDF: 30173.8/30

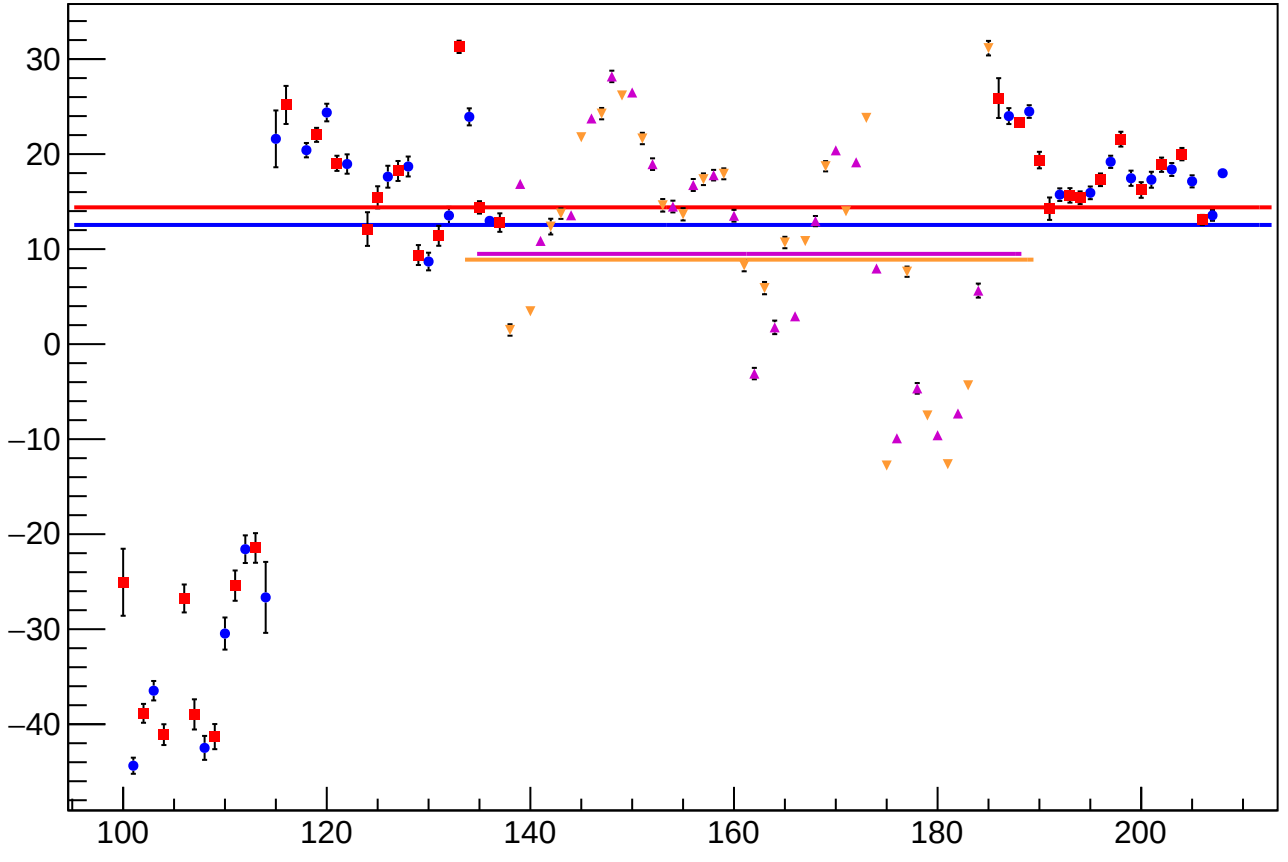
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 1.187+/-0.072 χ^2/NDF: 41382.3/51

All: 1.063+/-0.052 χ^2/NDF: 84991.7/105

- sign 0.934+/-0.074 χ^2/NDF: 43603.3/53

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 12.544+/-0.152 χ^2/NDF: 11543.5/26

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 14.397+/-0.145 χ^2/NDF: 12463.0/30

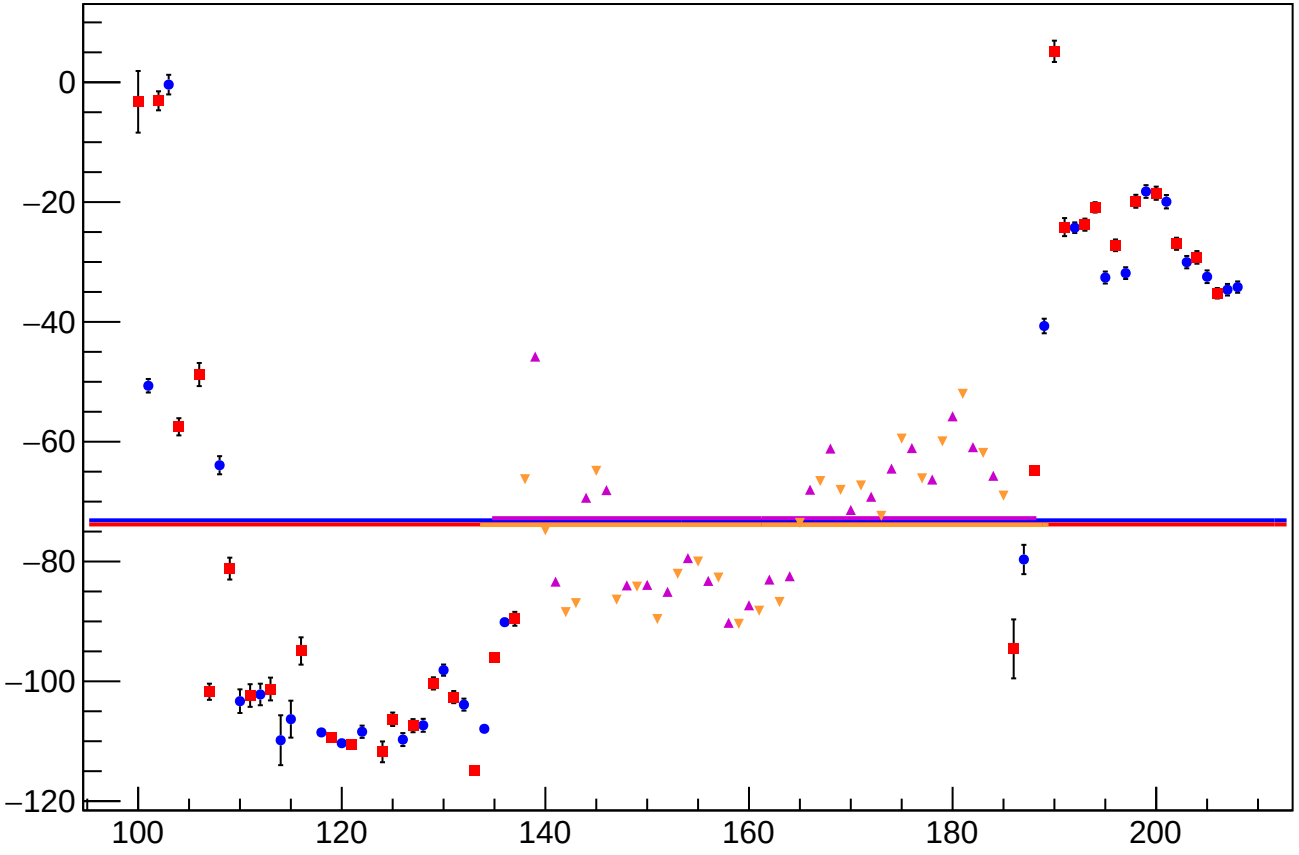
Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 10.048+/-0.086 χ^2/NDF: 27364.2/51

All: 10.629+/-0.061 χ^2/NDF: 53698.6/105

- sign 11.211+/-0.086 χ^2/NDF: 26242.5/53

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -73.124+/-0.193 χ^2/NDF: 35965.0/26

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

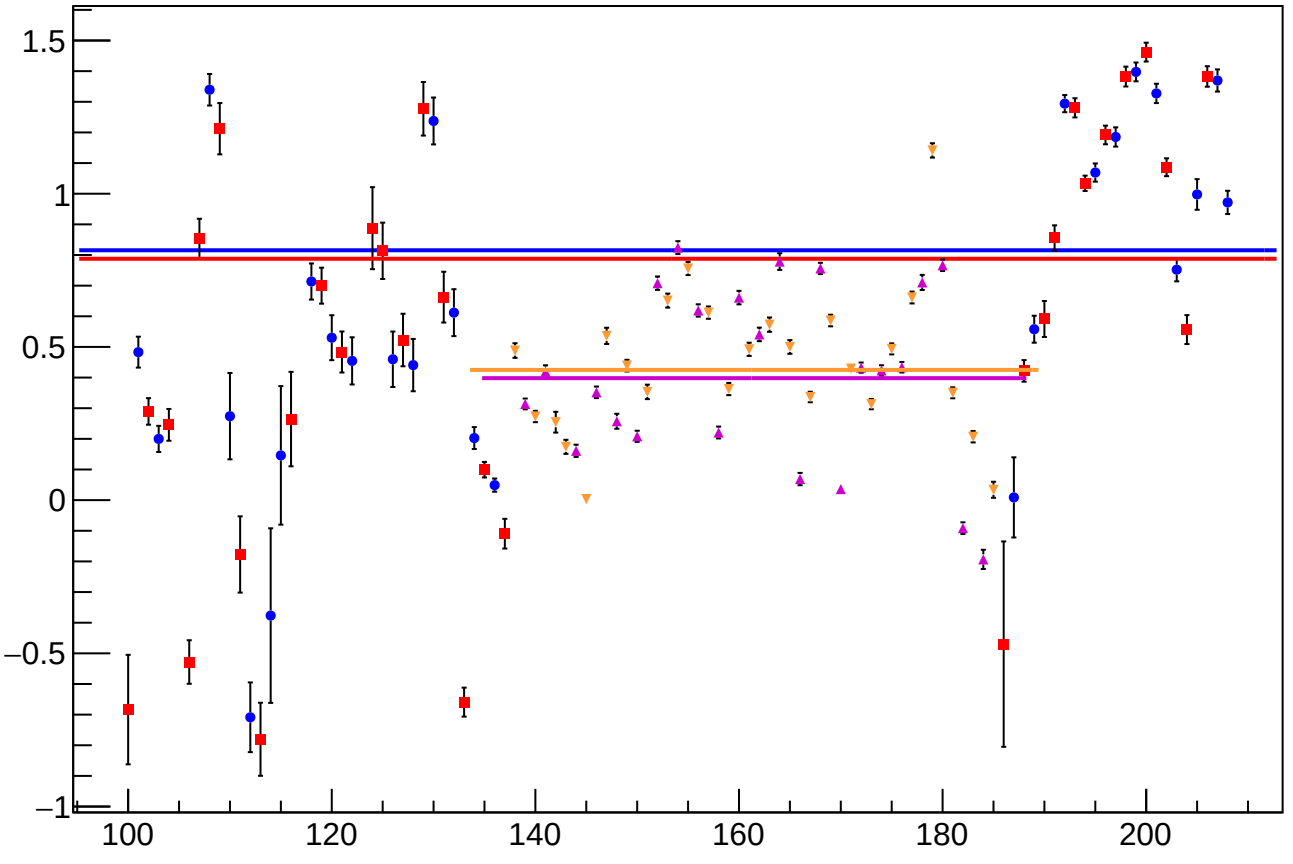
Right Out: -73.814+/-0.189 χ^2/NDF: 41942.2/30

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -73.765+/-0.082 χ^2/NDF: 51545.5/51

All: -73.376+/-0.059 χ^2/NDF: 106171.4/105

- sign -72.968+/-0.084 χ^2/NDF: 54579.6/53



Right In: 0.815+/-0.008 χ^2/NDF: 3717.3/26

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.788+/-0.008 χ^2/NDF: 4923.8/30

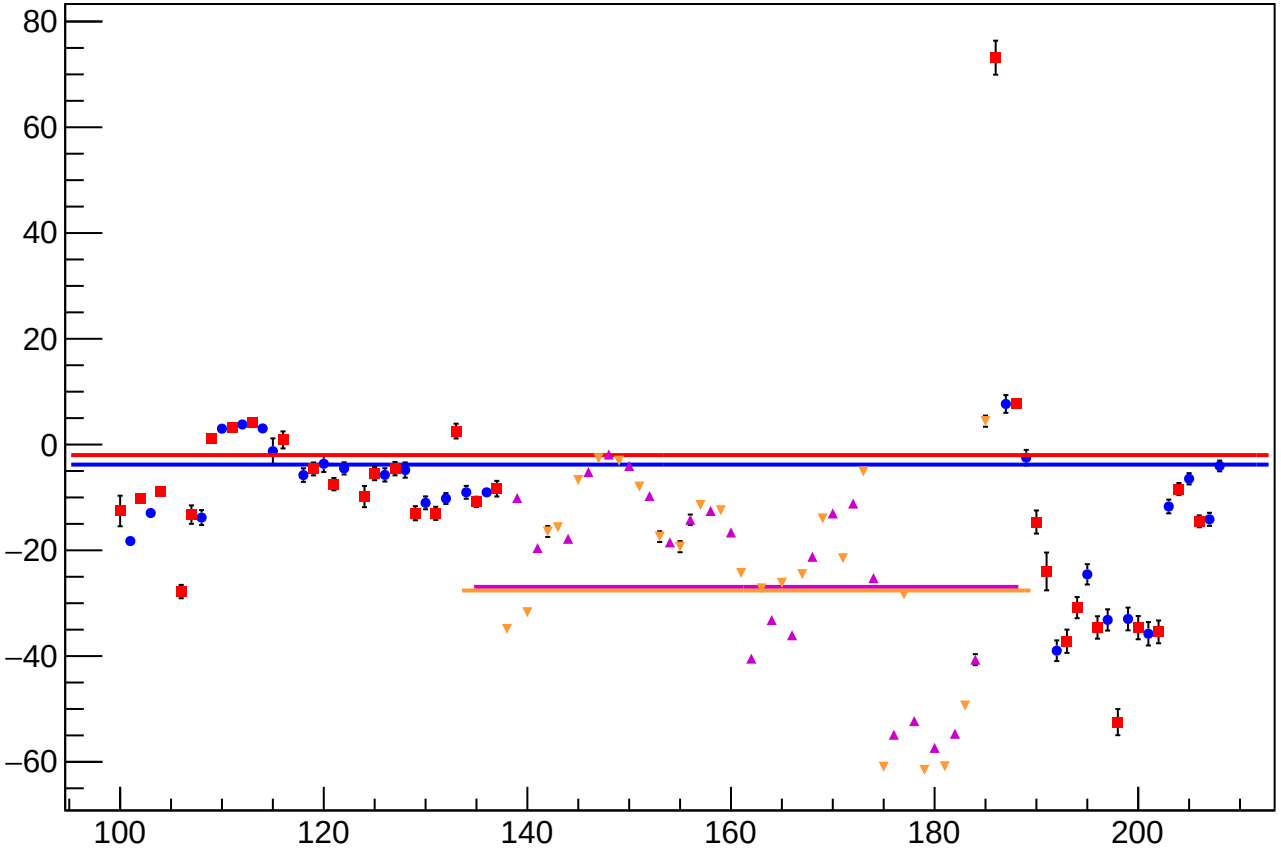
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.499+/-0.004 χ^2/NDF: 8515.5/51

All: 0.489+/-0.003 χ^2/NDF: 19555.0/105

- sign 0.478+/-0.004 χ^2/NDF: 11022.5/53

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -3.790+/-0.176 χ^2/NDF: 2770.7/26

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.995+/-0.159 χ^2/NDF: 4021.3/30

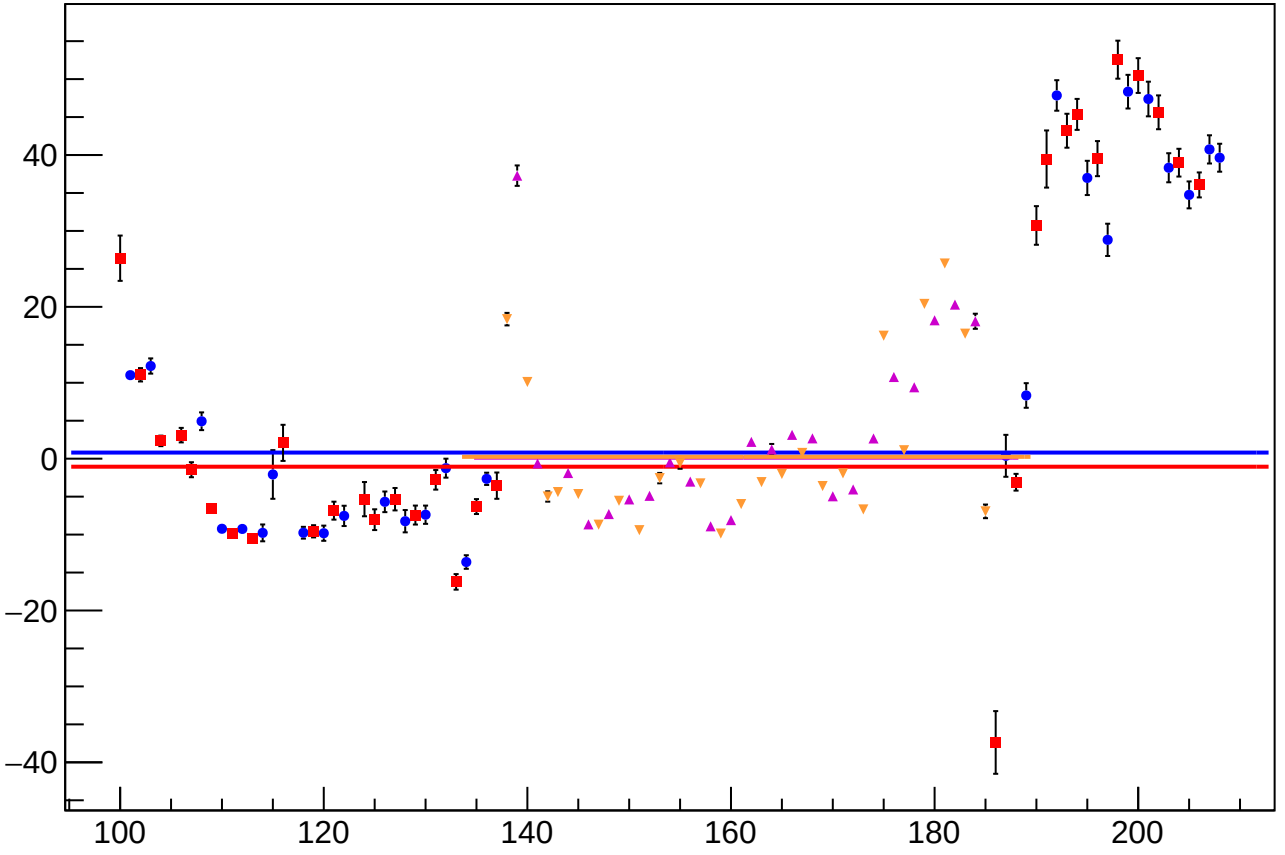
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

\+ sign -18.033+/-0.112 χ^2/NDF: 33460.6/51

All: -16.624+/-0.078 χ^2/NDF: 66356.1/105

\- sign -15.282+/-0.109 χ^2/NDF: 32584.4/53

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 0.804+/-0.211 χ^2/NDF: 5374.9/26

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -1.058+/-0.205 χ^2/NDF: 5289.6/30

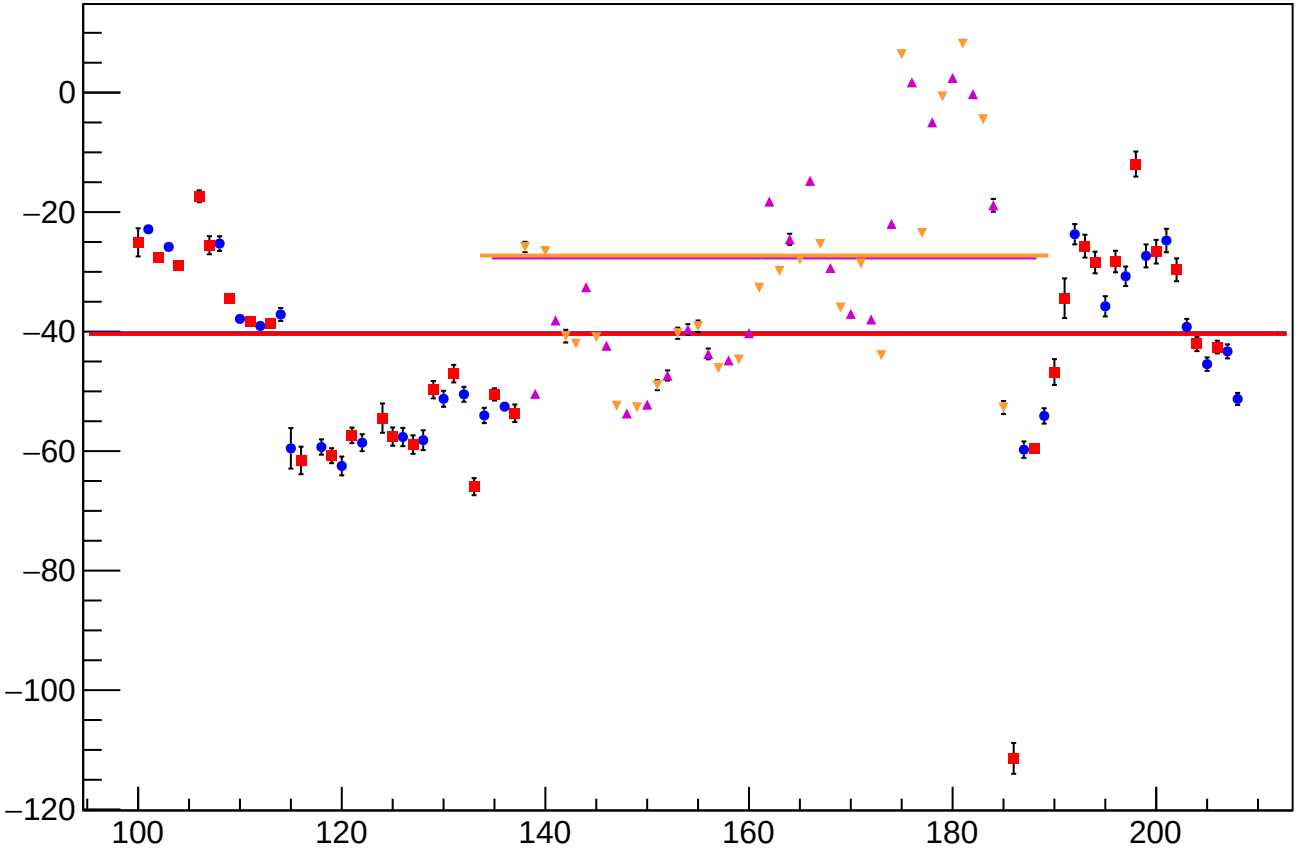
Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign 0.359+/-0.098 χ^2/NDF: 13416.2/51

All: 0.109+/-0.070 χ^2/NDF: 24582.3/105

- sign -0.152+/-0.100 χ^2/NDF: 11152.7/53

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -40.273+/-0.198 χ^2/NDF: 3677.6/26

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.388+/-0.188 χ^2/NDF: 4975.6/30

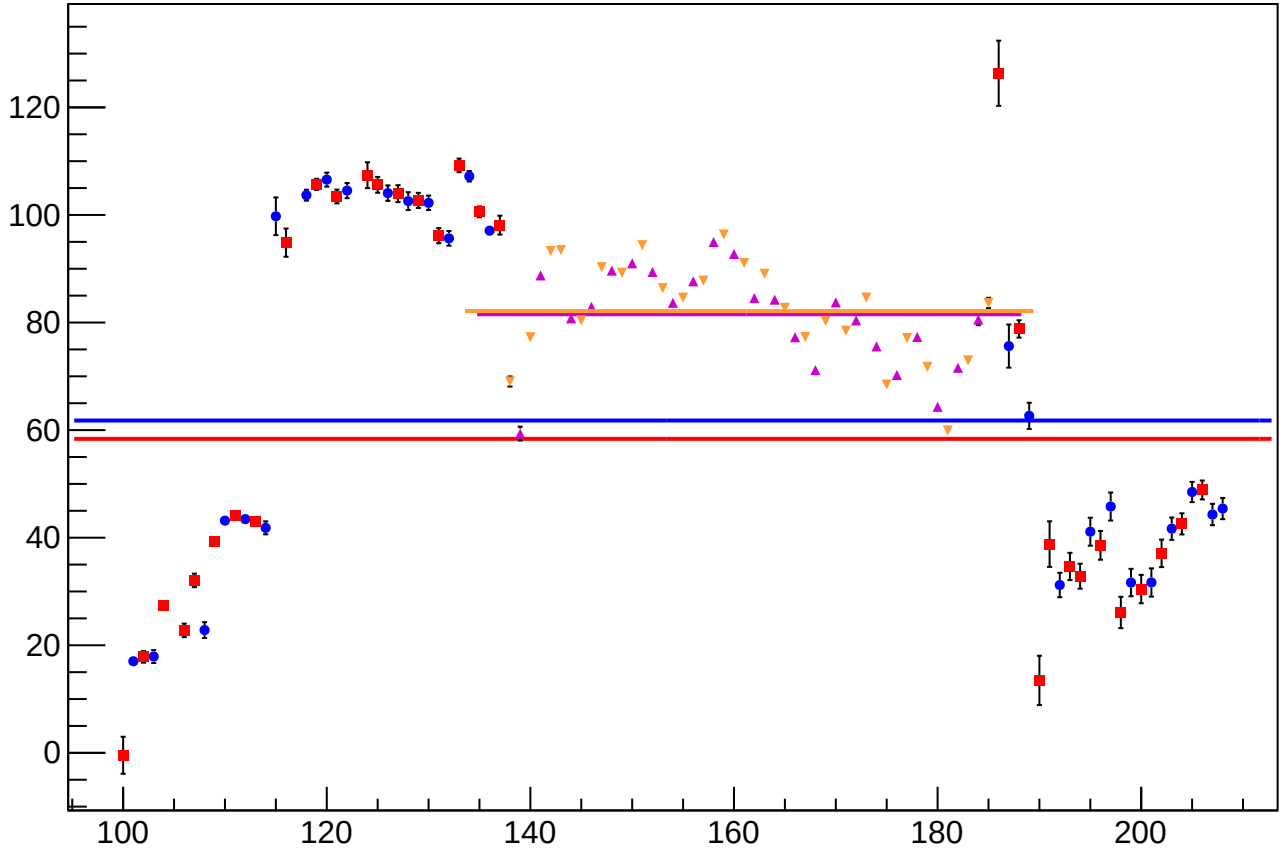
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.757+/-0.116 χ^2/NDF: 25021.9/51

All: -32.129+/-0.082 χ^2/NDF: 48533.4/105

- sign -32.500+/-0.116 χ^2/NDF: 23491.1/53

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 61.784+/-0.242 χ^2/NDF: 19539.0/26

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.382+/-0.235 χ^2/NDF: 18529.3/30

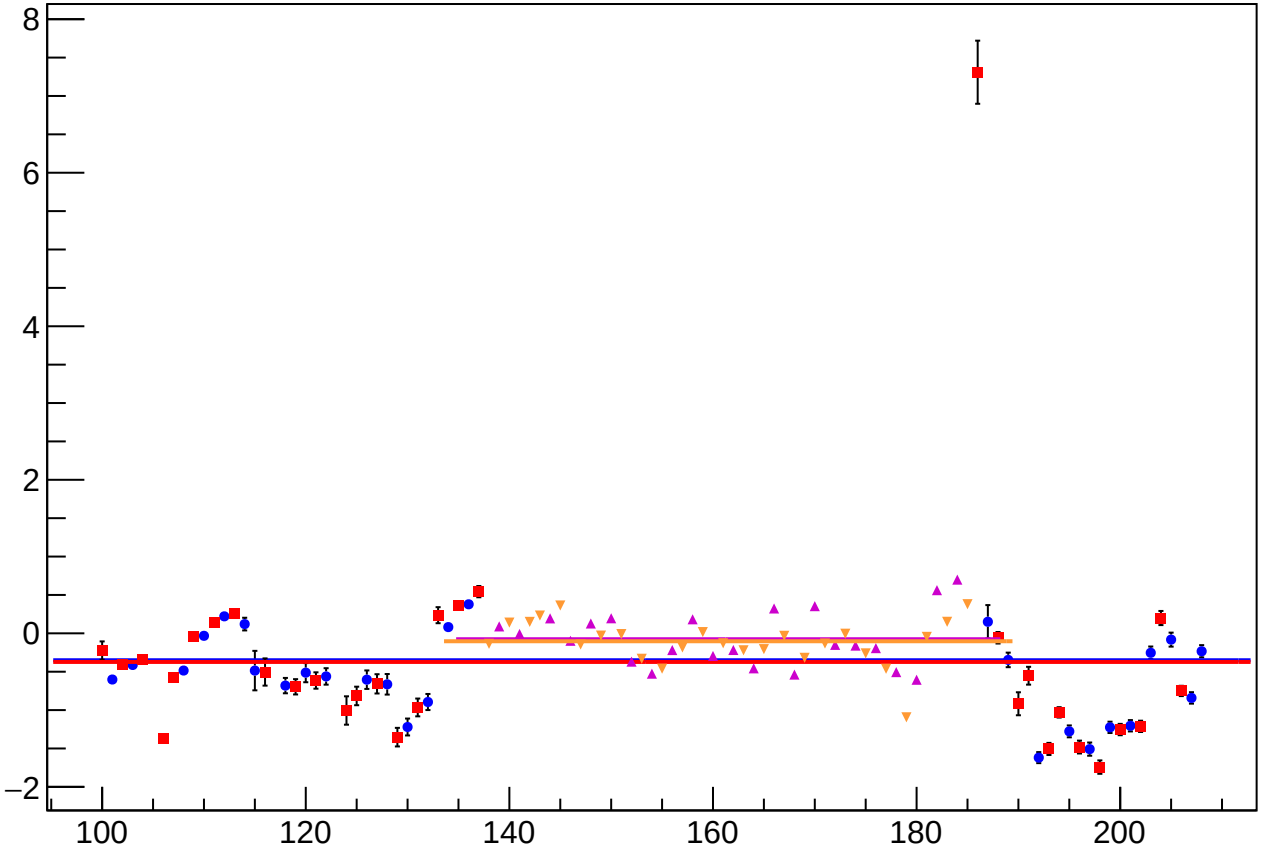
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 77.851+/-0.111 χ^2/NDF: 30514.2/51

All: 77.026+/-0.079 χ^2/NDF: 60678.3/105

- sign 76.169+/-0.113 χ^2/NDF: 30051.1/53

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.351+/-0.012 χ^2/NDF: 2029.4/26

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

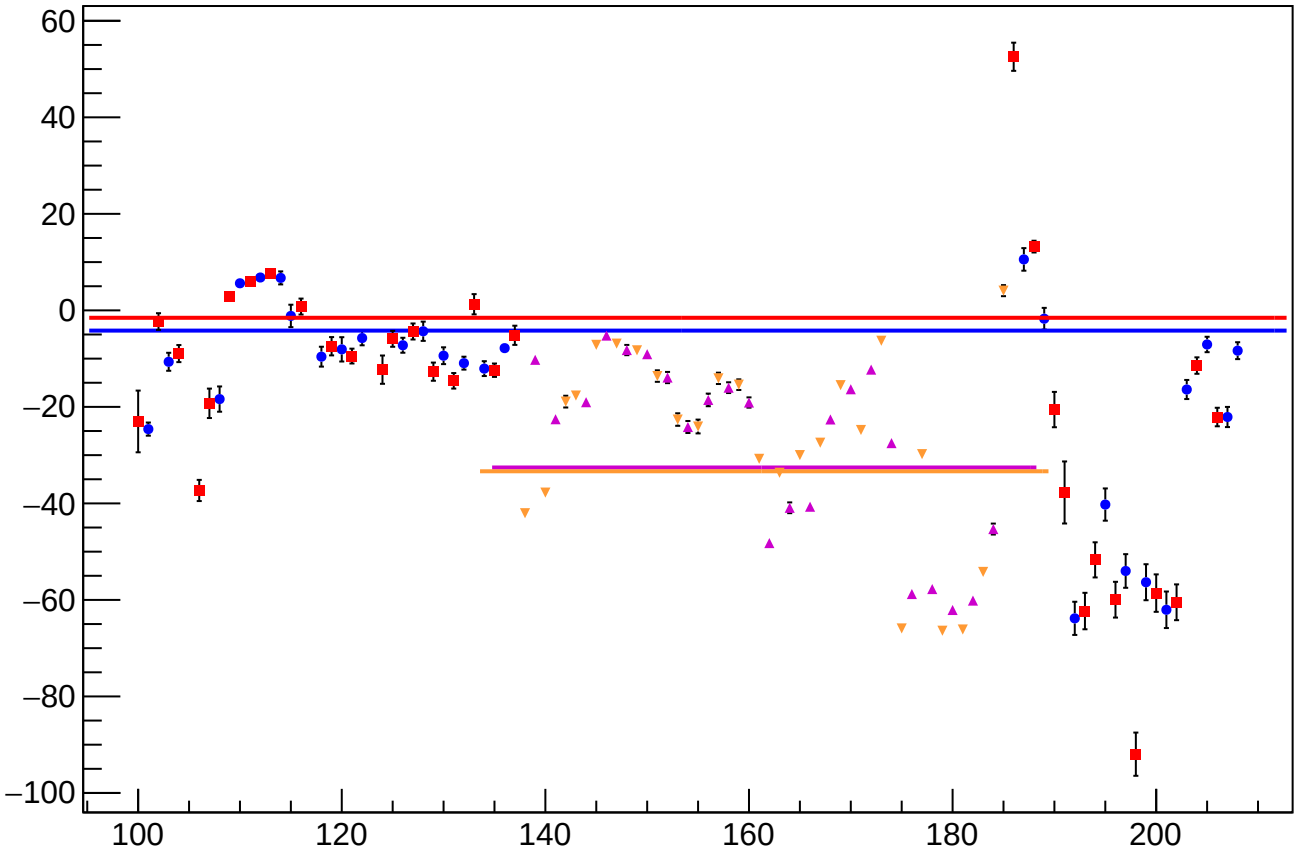
Right Out: -0.373+/-0.011 χ^2/NDF: 2962.5/30

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.149+/-0.005 χ^2/NDF: 4795.0/51

All: -0.143+/-0.004 χ^2/NDF: 11614.7/105

- sign -0.136+/-0.005 χ^2/NDF: 6816.8/53



Right In: -4.193+/-0.283 χ^2/NDF: 2179.7/26

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -1.537+/-0.263 χ^2/NDF: 3233.4/30

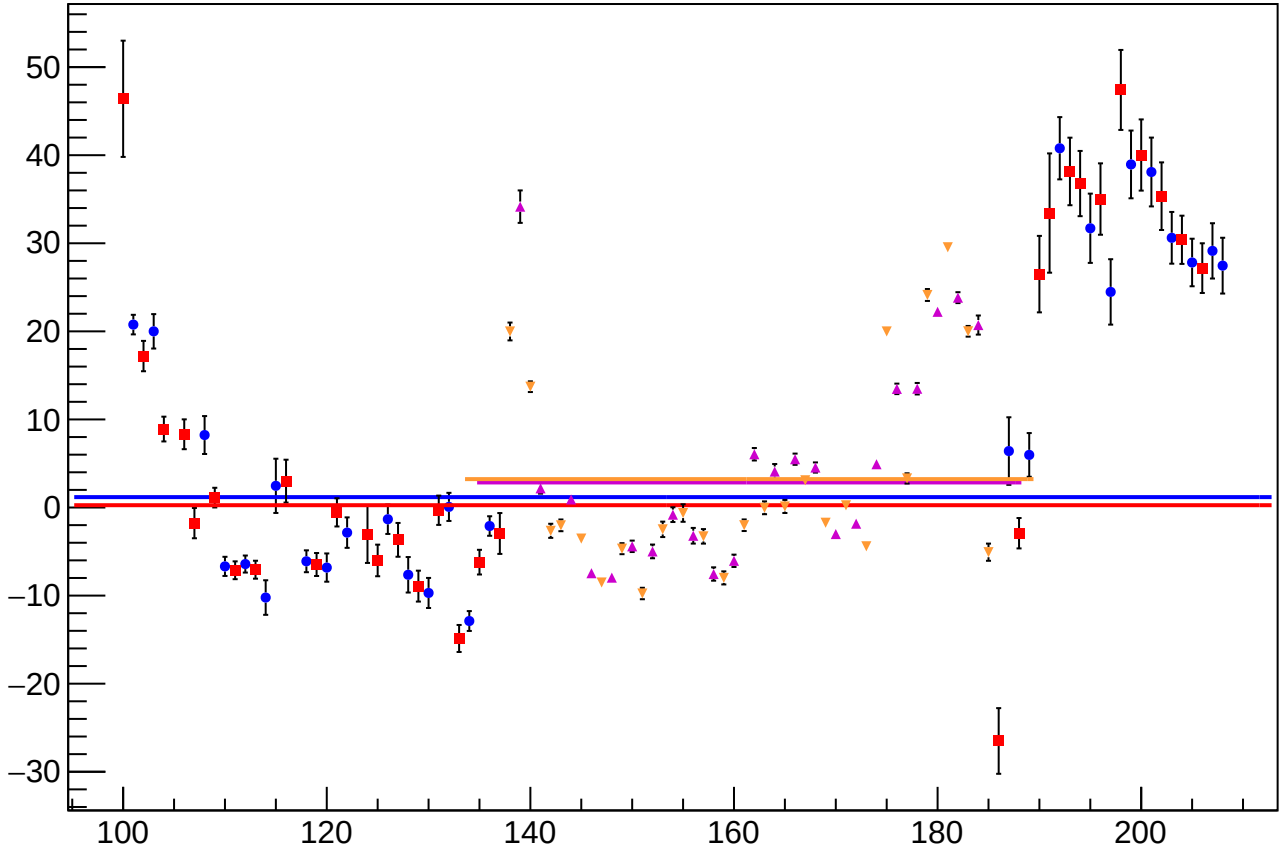
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -25.962+/-0.142 χ^2/NDF: 28113.7/51

All: -24.704+/-0.101 χ^2/NDF: 55251.0/105

- sign -23.443+/-0.142 χ^2/NDF: 26980.6/53

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 1.180+/-0.335 χ^2/NDF: 1616.8/26

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

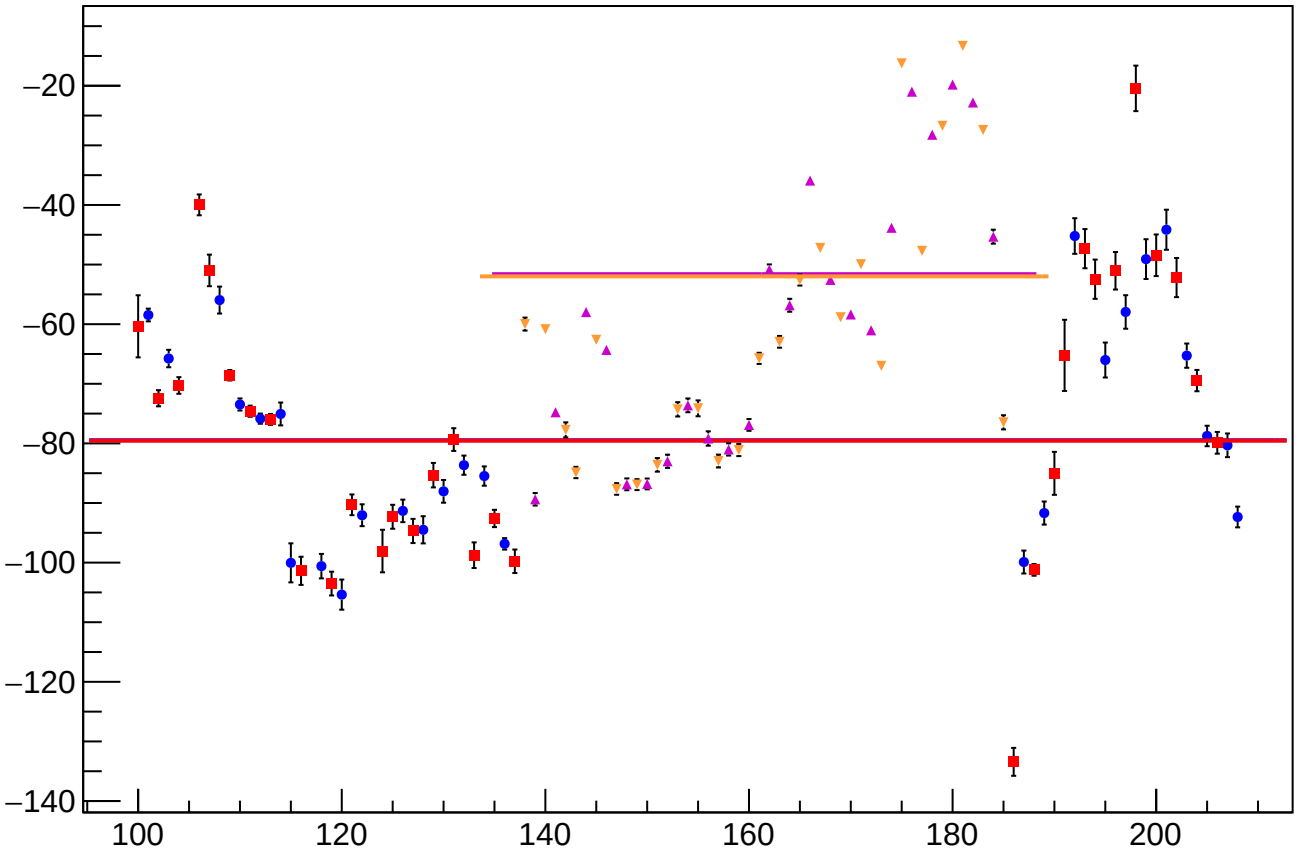
Right Out: 0.263+/-0.333 χ^2/NDF: 1390.7/30

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.963+/-0.120 χ^2/NDF: 9324.9/51

All: 2.735+/-0.085 χ^2/NDF: 16230.7/105

- sign 2.497+/-0.122 χ^2/NDF: 6898.4/53



Right In: -79.481+/-0.320 χ^2/NDF: 2050.8/26

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -79.528+/-0.309 χ^2/NDF: 3267.8/30

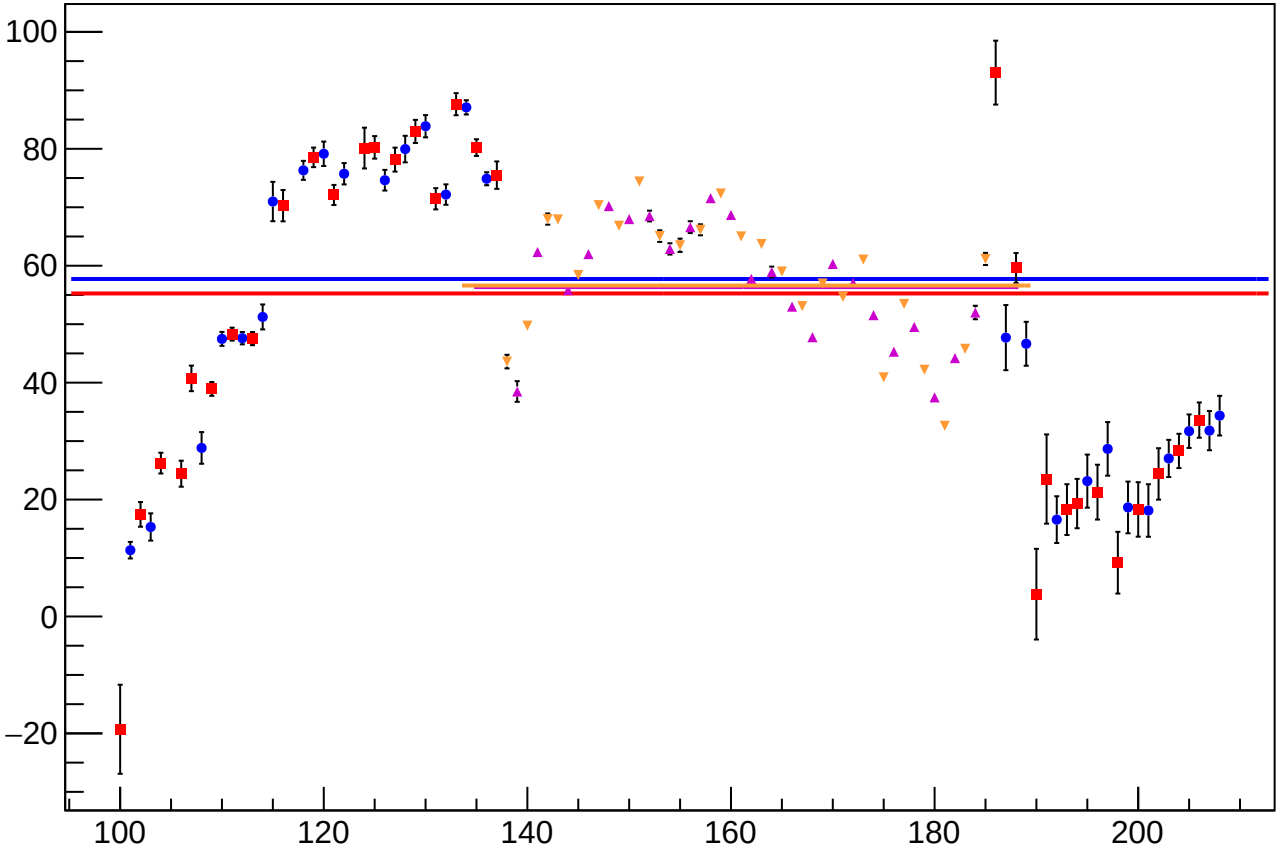
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

\+ sign -57.747+/-0.147 χ^2/NDF: 28774.3/51

All: -57.892+/-0.104 χ^2/NDF: 55946.0/105

\- sign -58.040+/-0.148 χ^2/NDF: 27169.7/53

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 57.730+/-0.378 χ^2/NDF: 3956.6/26

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 55.255+/-0.378 χ^2/NDF: 3447.5/30

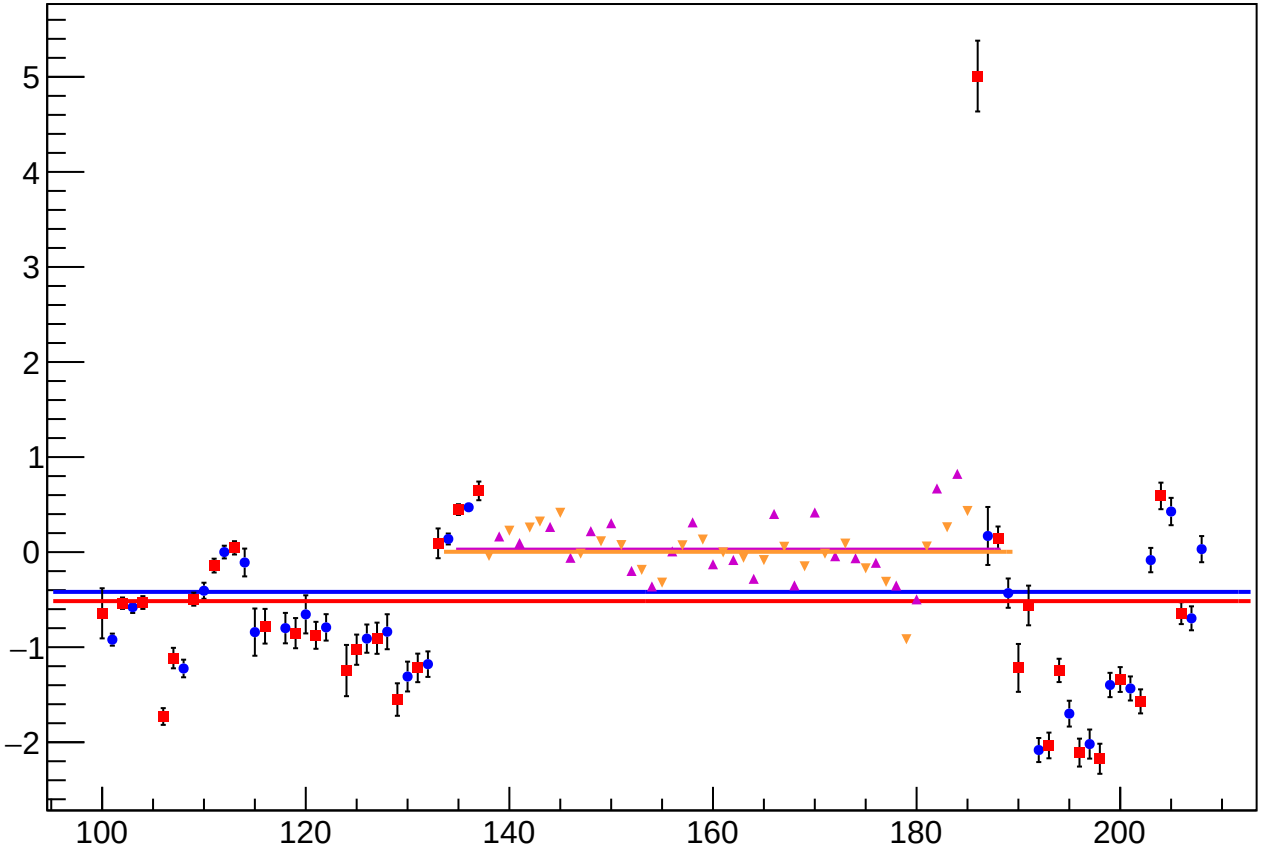
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 56.754+/-0.134 χ^2/NDF: 9630.4/51

All: 56.484+/-0.096 χ^2/NDF: 17062.0/105

- sign 56.204+/-0.137 χ^2/NDF: 7423.4/53

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.418+/-0.019 χ^2/NDF: 1323.2/26

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.515+/-0.019 χ^2/NDF: 1672.5/30

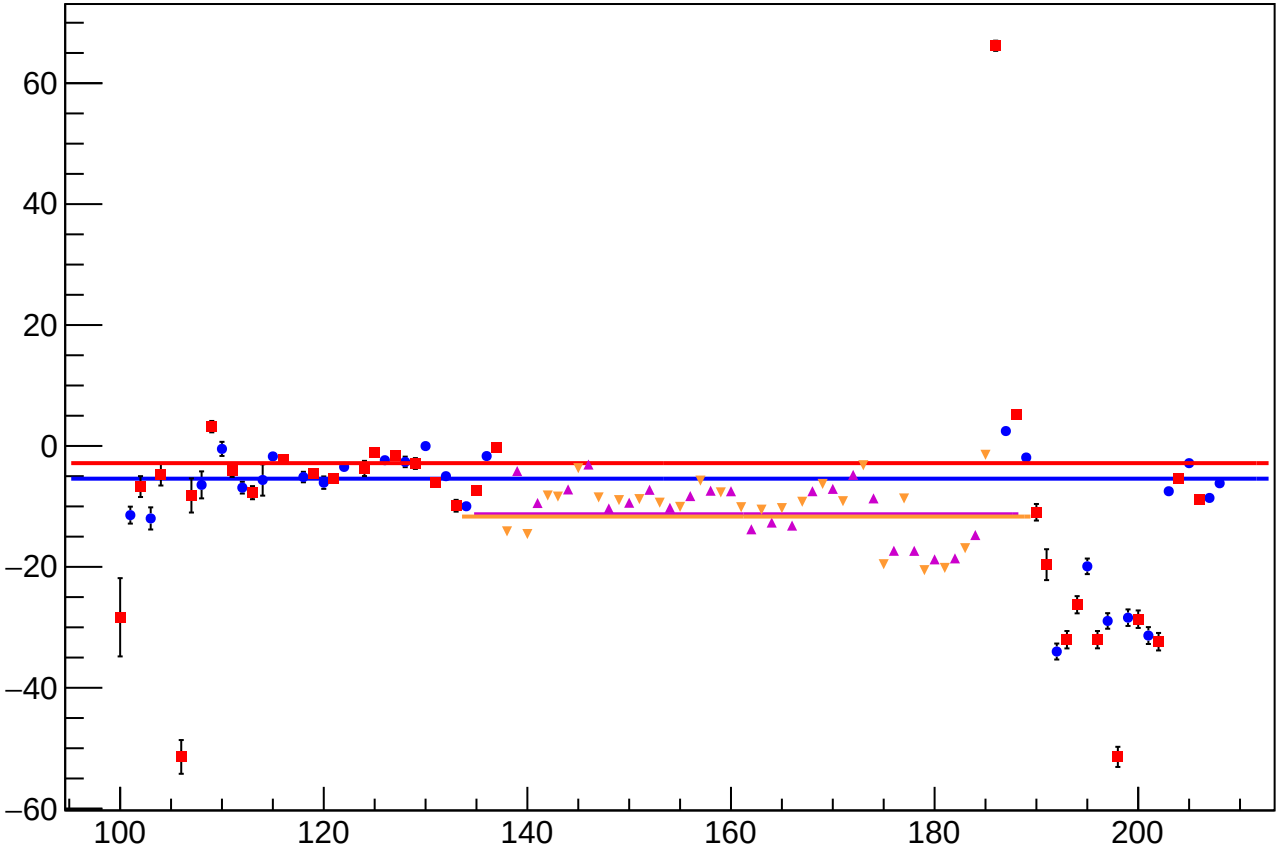
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.039+/-0.006 χ^2/NDF: 3455.8/51

All: -0.034+/-0.004 χ^2/NDF: 8176.4/105

- sign -0.030+/-0.006 χ^2/NDF: 4719.5/53

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -5.412+/-0.153 χ^2/NDF: 2041.0/26

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.843+/-0.158 χ^2/NDF: 10497.4/30

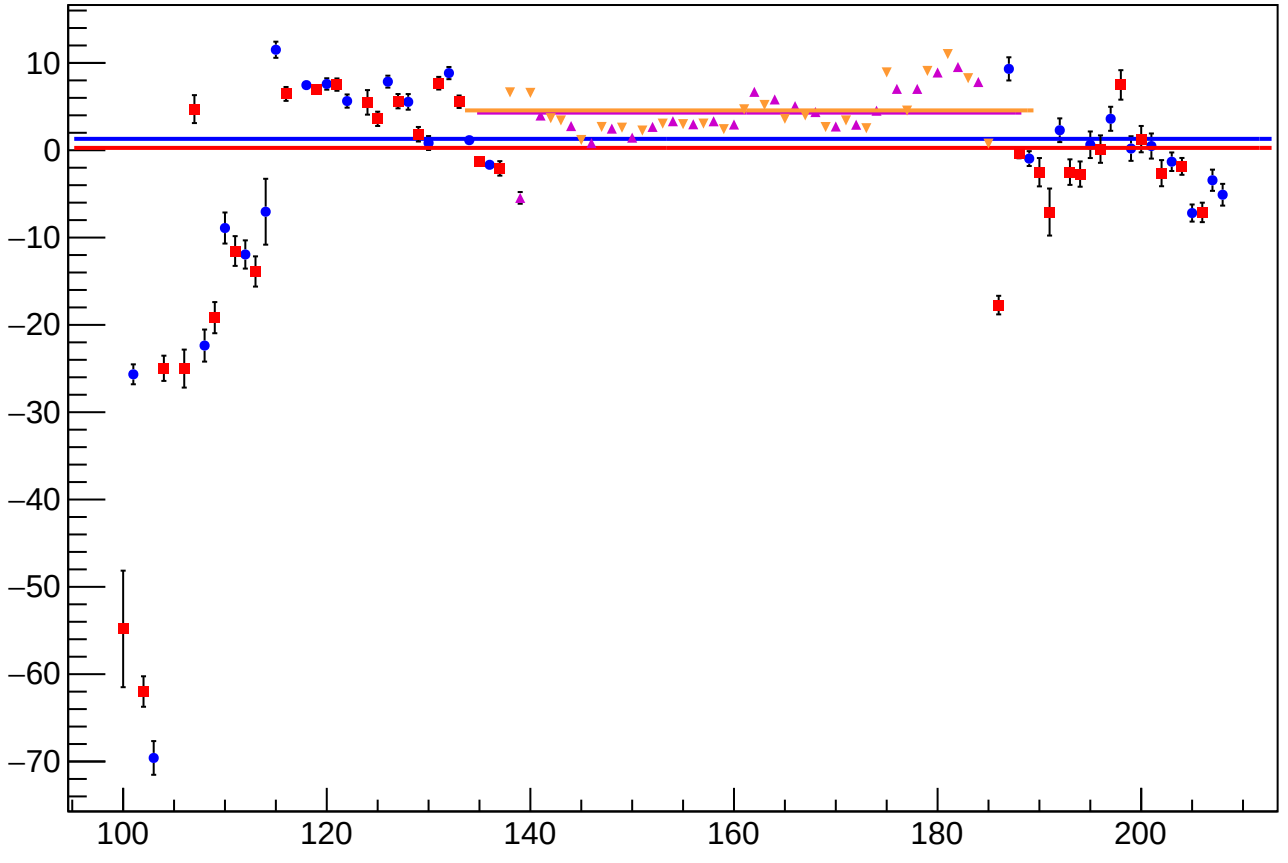
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.017+/-0.050 χ^2/NDF: 16141.9/51

All: -10.725+/-0.036 χ^2/NDF: 38505.0/105

- sign -10.417+/-0.051 χ^2/NDF: 22292.4/53

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.305+/-0.167 χ^2/NDF: 3018.9/26

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.270+/-0.178 χ^2/NDF: 2972.9/30

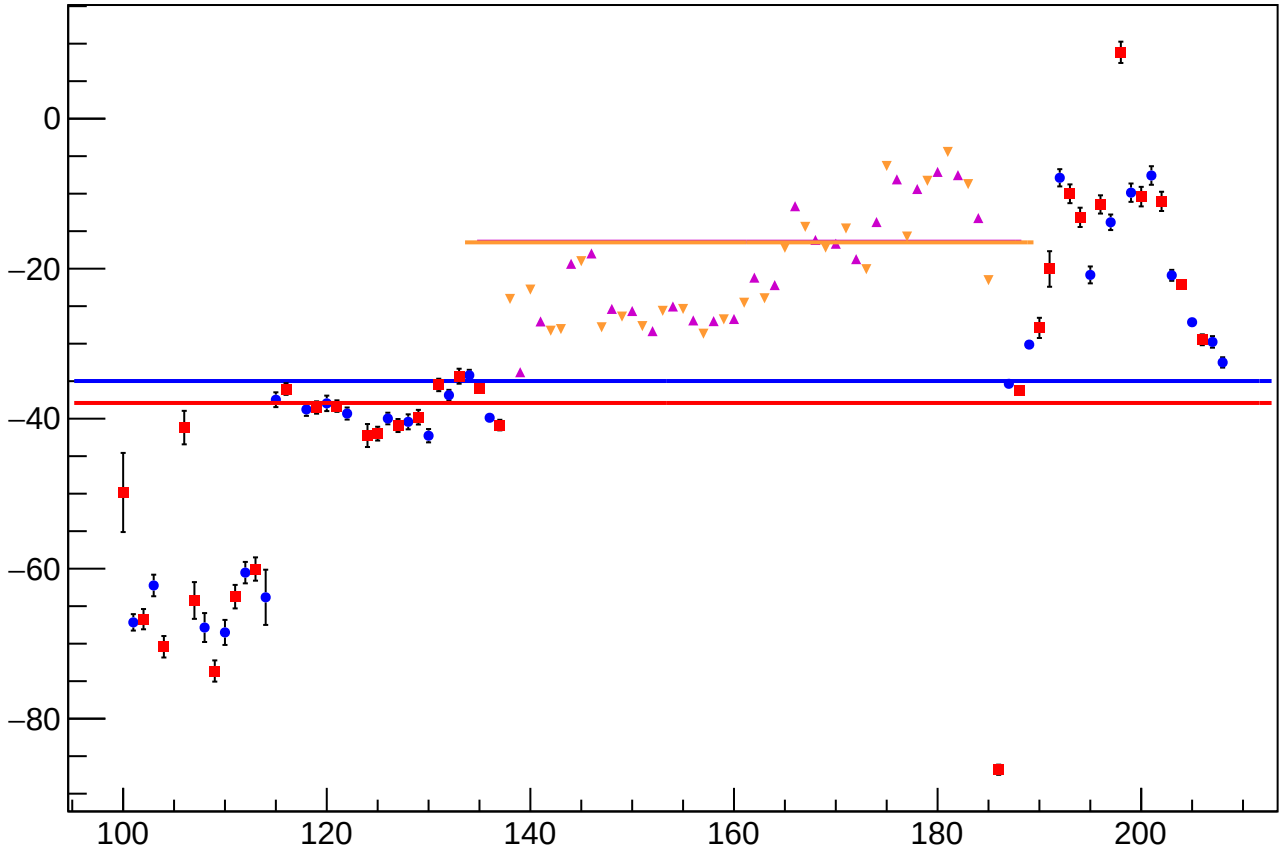
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.376+/-0.040 χ^2/NDF: 7732.2/51

All: 4.237+/-0.029 χ^2/NDF: 14828.1/105

- sign 4.093+/-0.041 χ^2/NDF: 7071.5/53

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -34.980+/-0.158 χ^2/NDF: 5383.6/26

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -37.906+/-0.161 χ^2/NDF: 11754.7/30

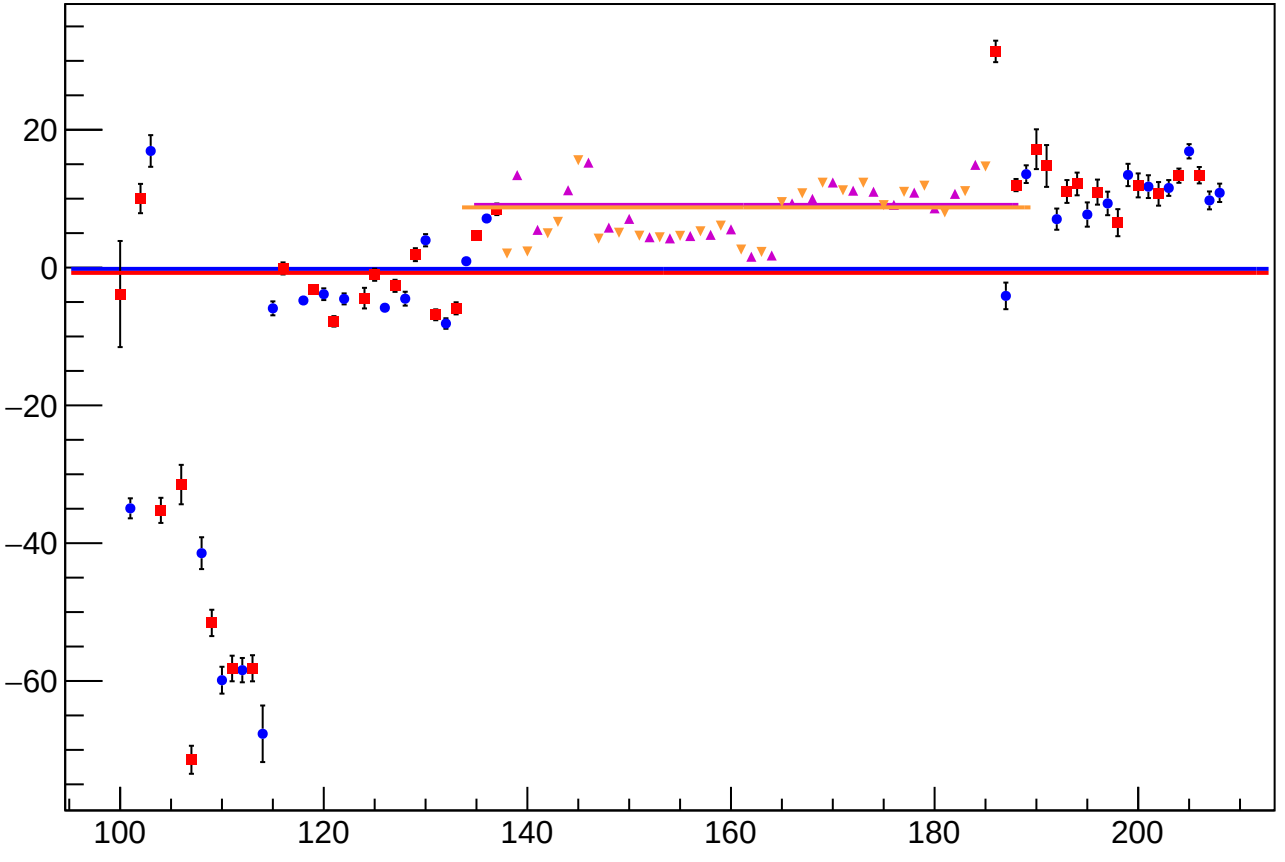
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.338+/-0.050 χ^2/NDF: 39616.2/51

All: -18.454+/-0.036 χ^2/NDF: 85477.1/105

- sign -18.574+/-0.051 χ^2/NDF: 45850.0/53

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -0.189+/-0.188 χ^2/NDF: 4713.2/26

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -0.768+/-0.204 χ^2/NDF: 6003.5/30

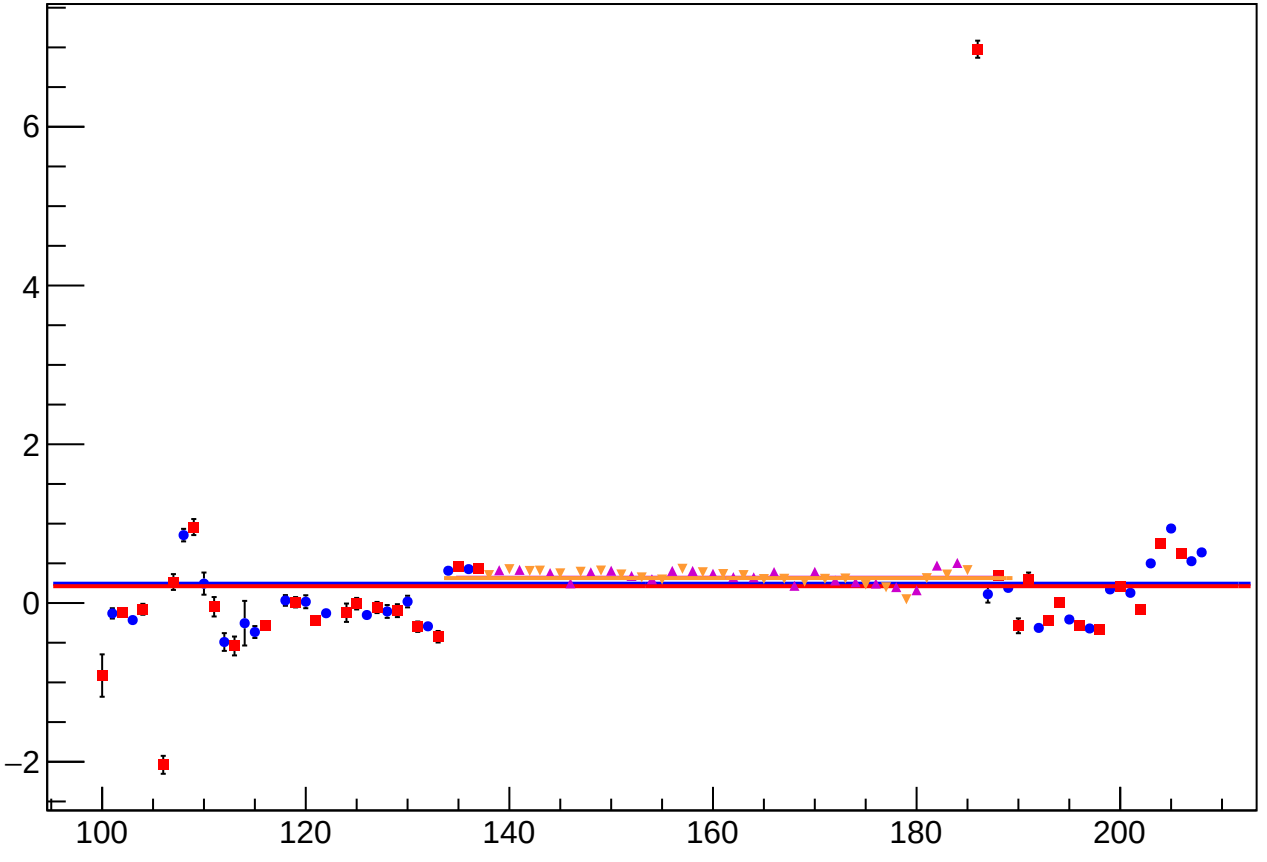
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.226+/-0.045 χ^2/NDF: 13713.8/51

All: 8.407+/-0.032 χ^2/NDF: 27718.9/105

- sign 8.595+/-0.046 χ^2/NDF: 13972.1/53

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.243+/-0.009 χ^2/NDF: 1226.4/26

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

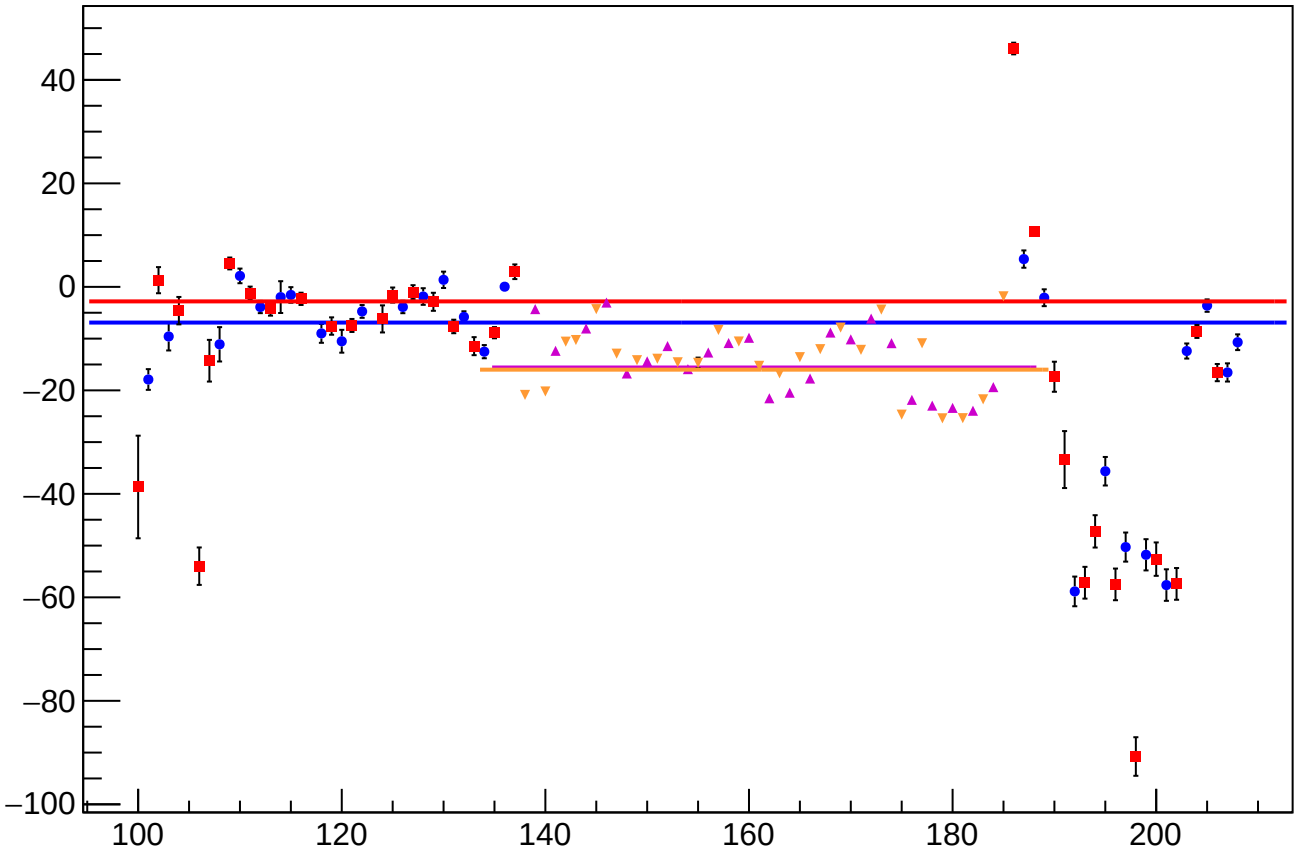
Right Out: 0.212+/-0.010 χ^2/NDF: 5525.8/30

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.311+/-0.002 χ^2/NDF: 2883.4/51

All: 0.312+/-0.001 χ^2/NDF: 10303.9/105

- sign 0.314+/-0.002 χ^2/NDF: 7418.9/53



Right In: -6.898+/-0.294 χ^2/NDF: 1556.4/26

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -2.806+/-0.294 χ^2/NDF: 4566.5/30

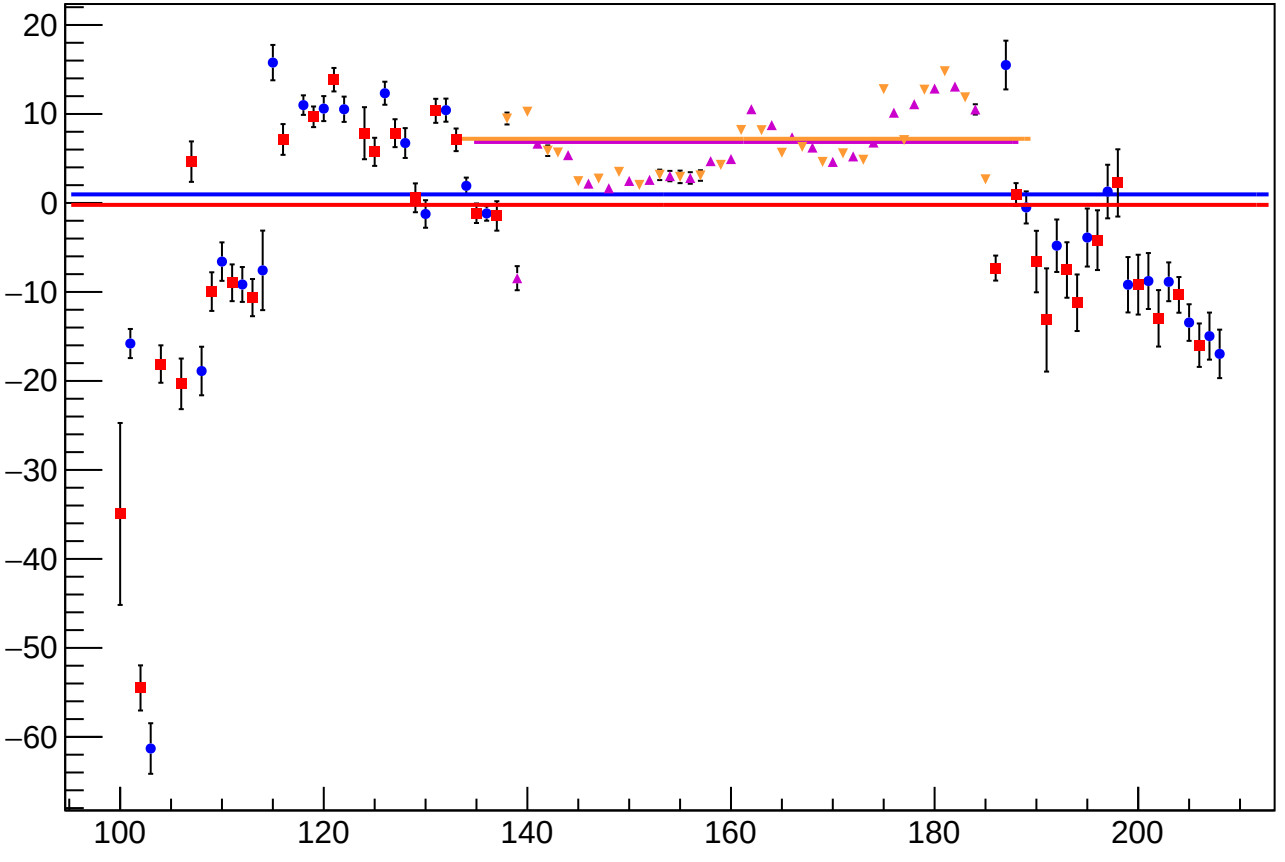
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.064+/-0.094 χ^2/NDF: 8381.6/51

All: -14.646+/-0.067 χ^2/NDF: 19438.0/105

- sign -14.207+/-0.096 χ^2/NDF: 11015.8/53

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.963+/-0.324 χ^2/NDF: 1268.6/26

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: -0.216+/-0.335 χ^2/NDF: 1153.0/30

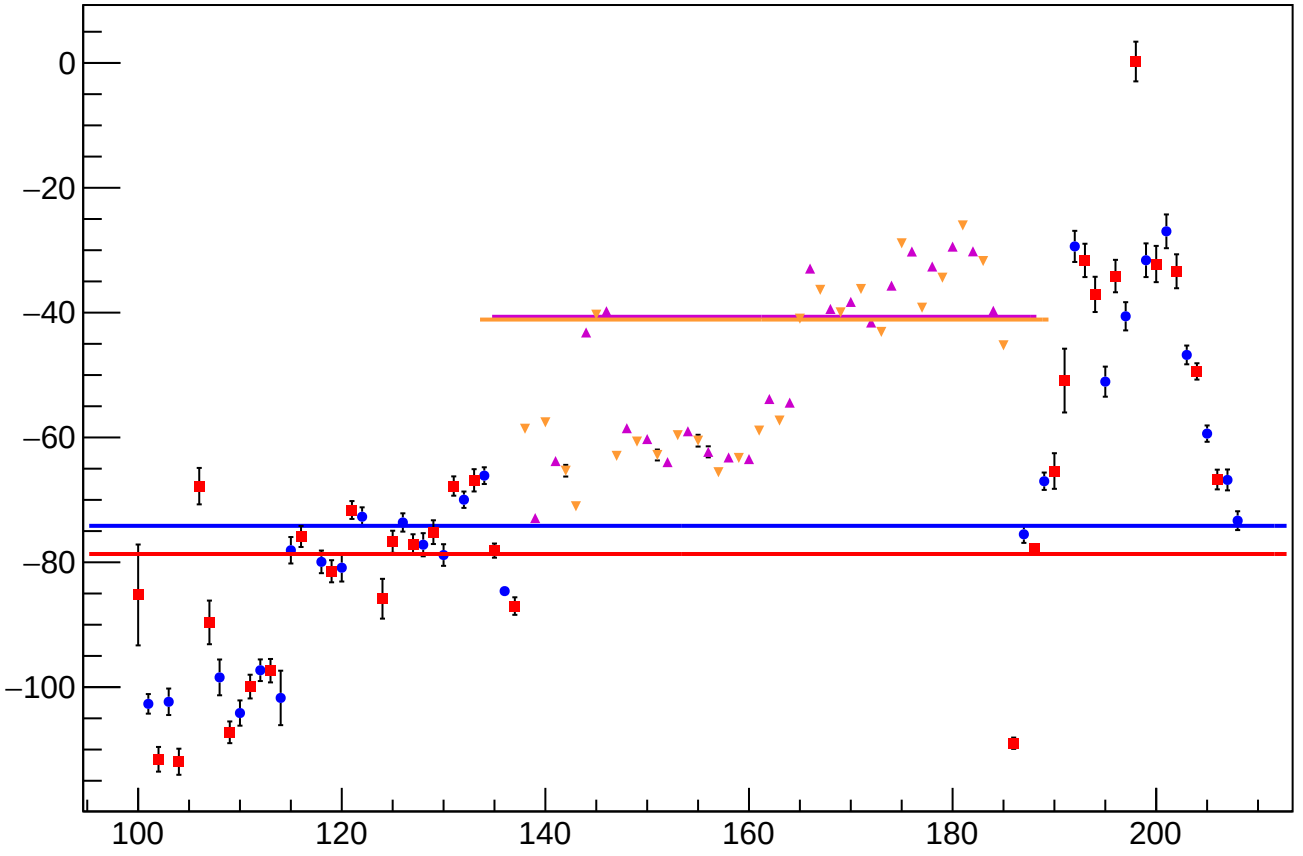
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.852+/-0.078 χ^2/NDF: 4075.8/51

All: 6.661+/-0.055 χ^2/NDF: 7818.3/105

- sign 6.465+/-0.079 χ^2/NDF: 3730.3/53

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -74.158+/-0.309 χ^2/NDF: 3008.8/26

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -78.669+/-0.304 χ^2/NDF: 4918.8/30

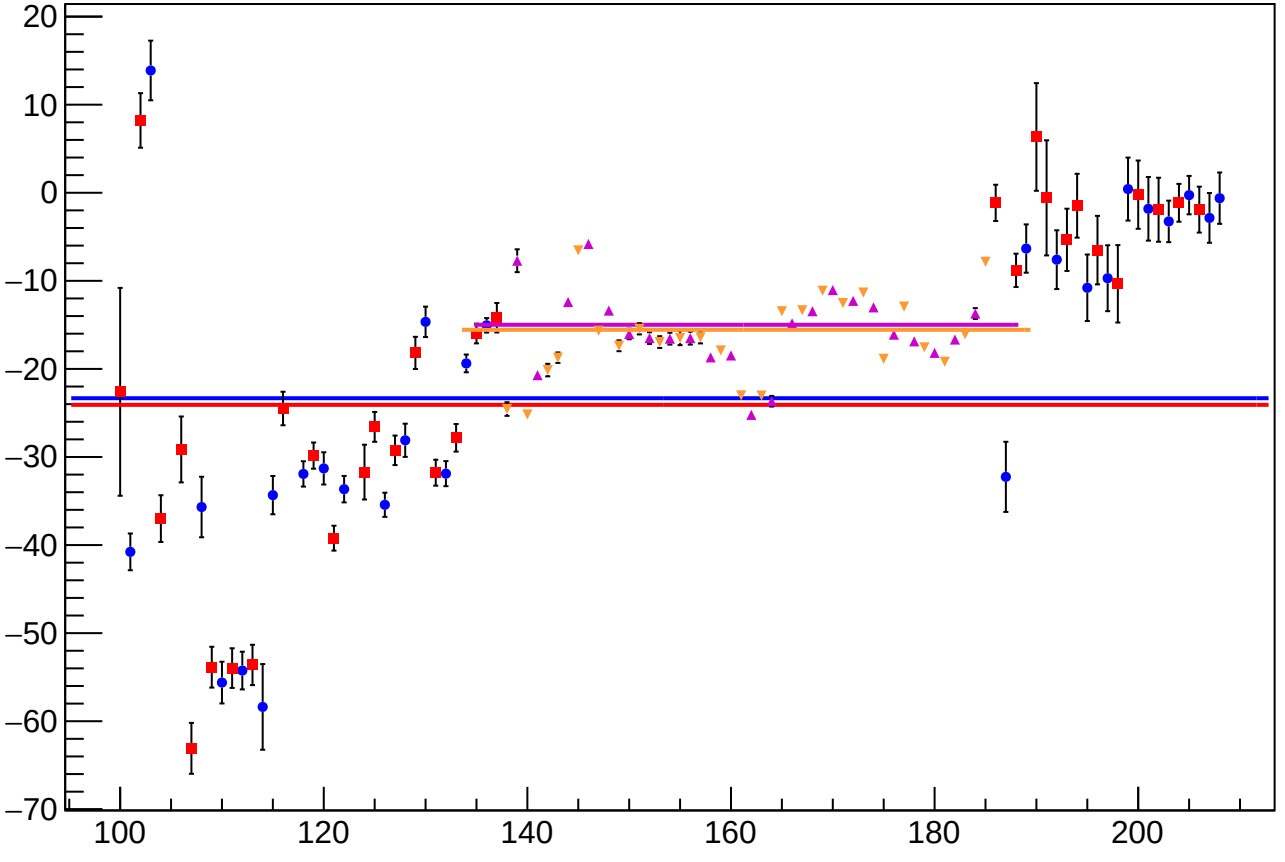
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -44.236+/-0.095 χ^2/NDF: 29337.0/51

All: -44.379+/-0.068 χ^2/NDF: 61851.1/105

- sign -44.528+/-0.097 χ^2/NDF: 32509.5/53

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -23.327+/-0.363 χ^2/NDF: 1507.3/26

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -24.079+/-0.386 χ^2/NDF: 1688.3/30

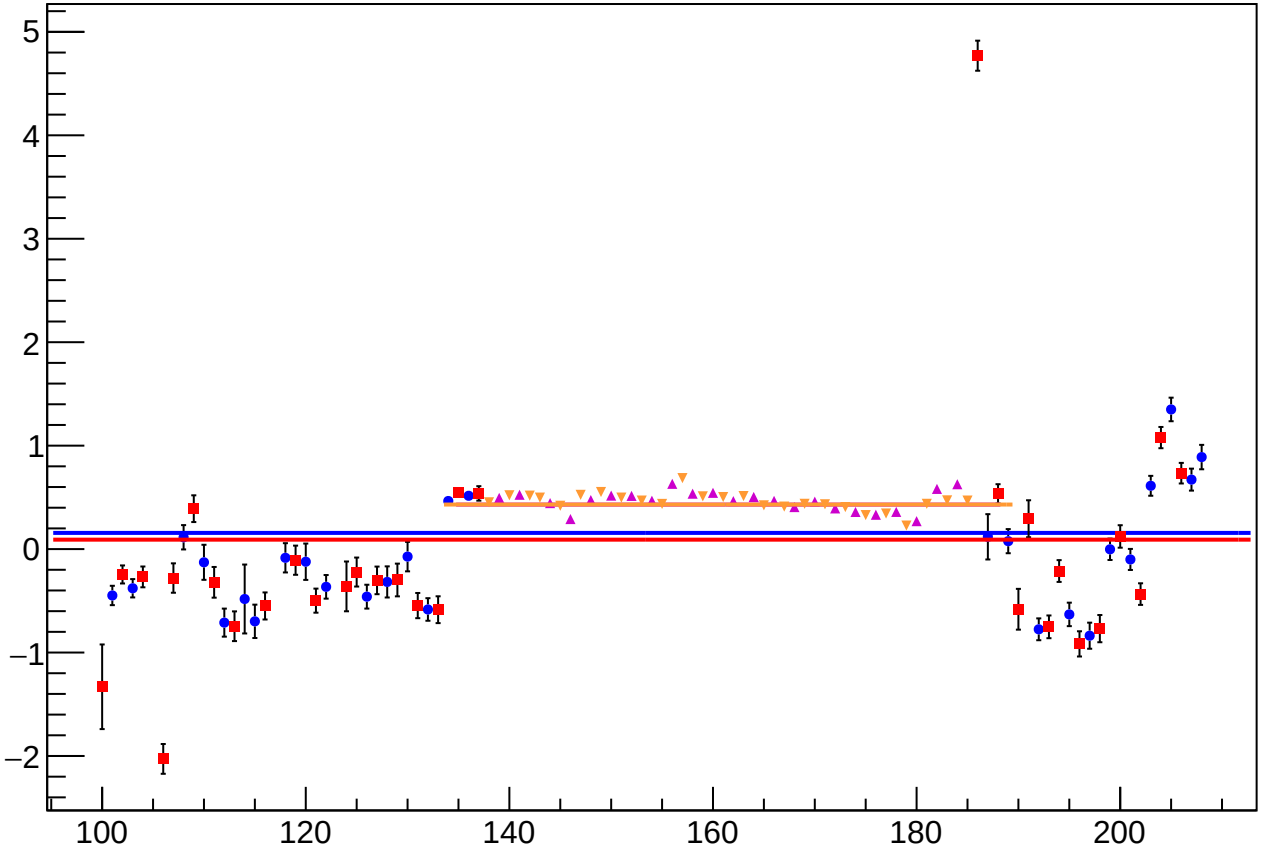
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.002+/-0.086 χ^2/NDF: 4489.5/51

All: -15.737+/-0.062 χ^2/NDF: 8874.7/105

- sign -15.462+/-0.088 χ^2/NDF: 4366.0/53

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.156+/-0.018 χ^2/NDF: 814.4/26

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.091+/-0.020 χ^2/NDF: 1998.4/30

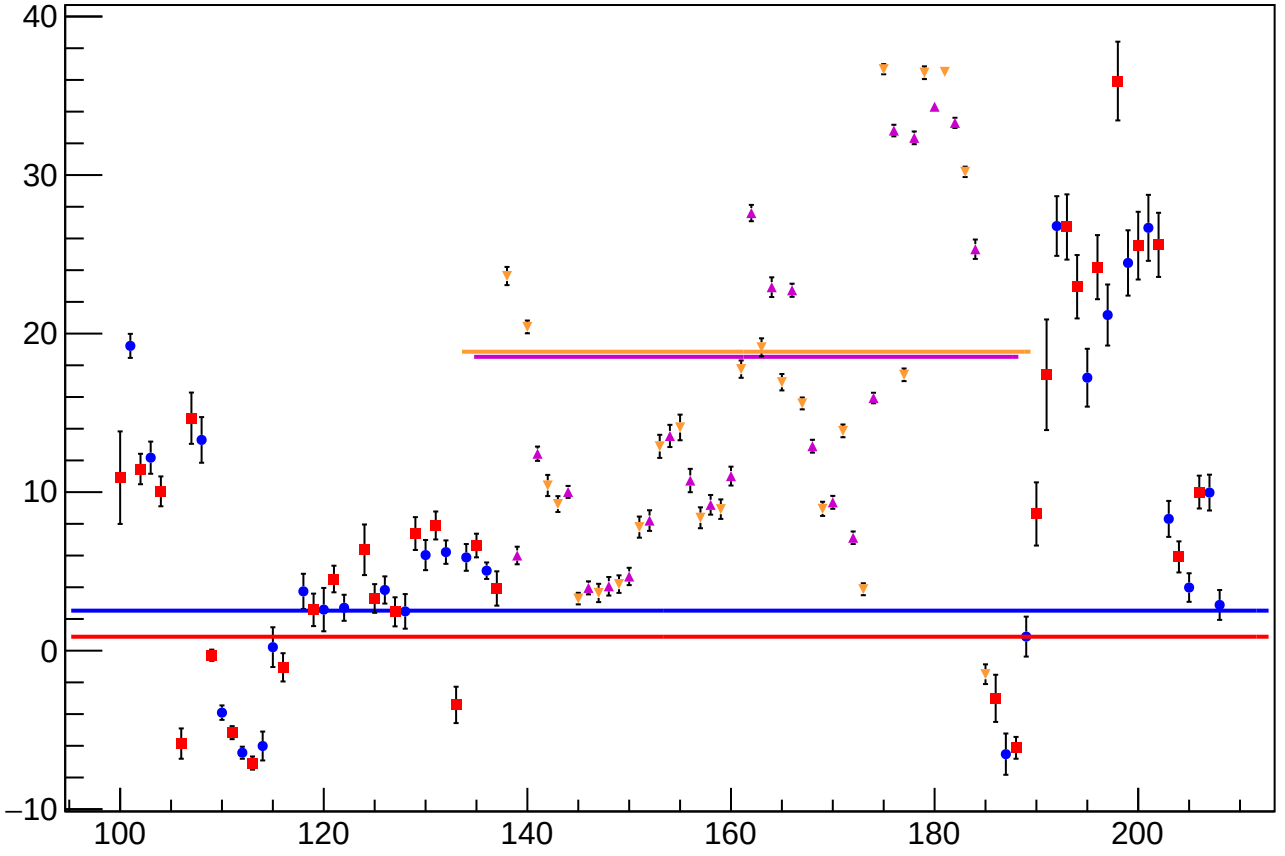
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

\+ sign 0.418+/-0.004 χ^2/NDF: 1451.2/51

All: 0.417+/-0.003 χ^2/NDF: 4316.3/105

\- sign 0.416+/-0.004 χ^2/NDF: 2865.0/53

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.525+/-0.166 χ^2/NDF: 2254.1/26

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

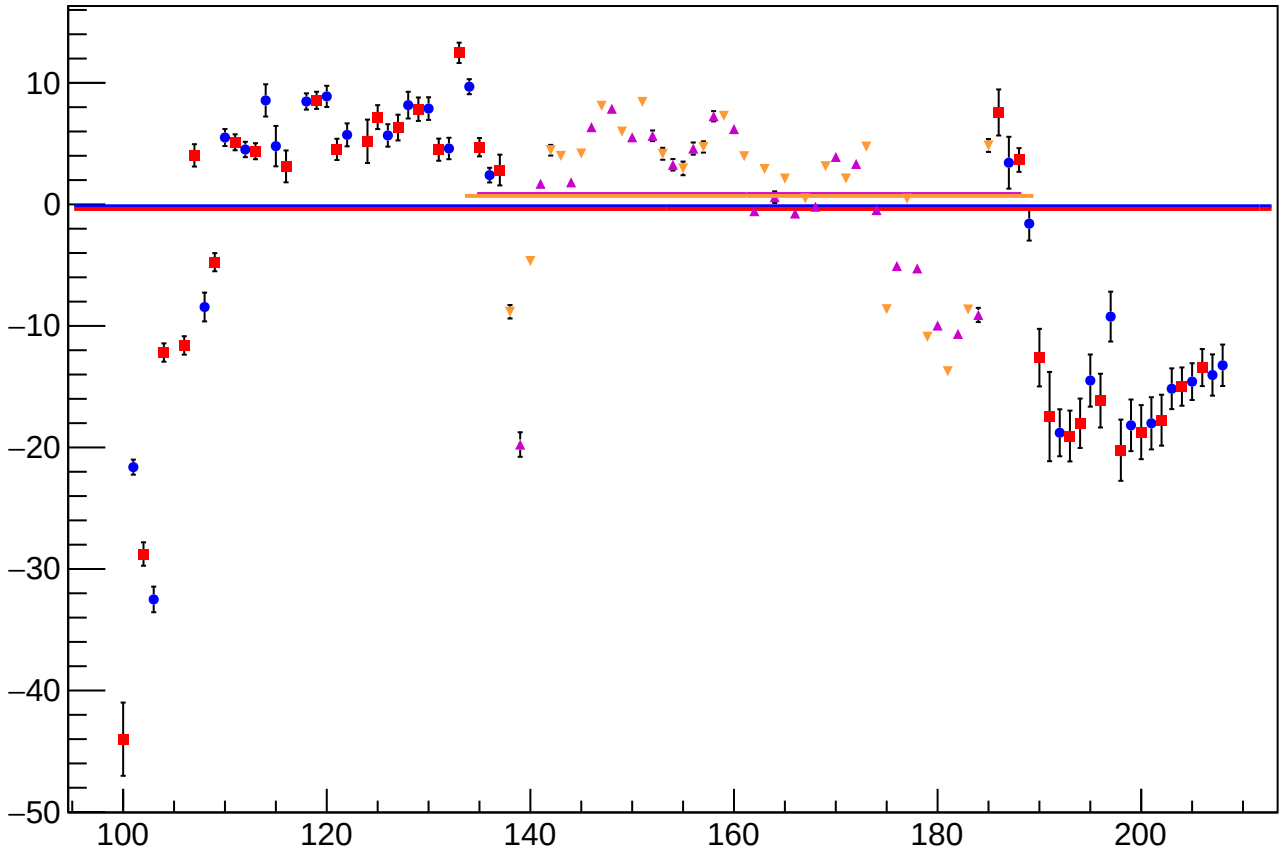
Right Out: 0.880+/-0.154 χ^2/NDF: 2327.4/30

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

\+ sign 15.122+/-0.079 χ^2/NDF: 28094.0/51

All: 14.475+/-0.056 χ^2/NDF: 54195.6/105

\- sign 13.821+/-0.080 χ^2/NDF: 25968.1/53



Right In: -0.156+/-0.191 χ^2/NDF: 3742.2/26

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -0.373+/-0.188 χ^2/NDF: 3064.1/30

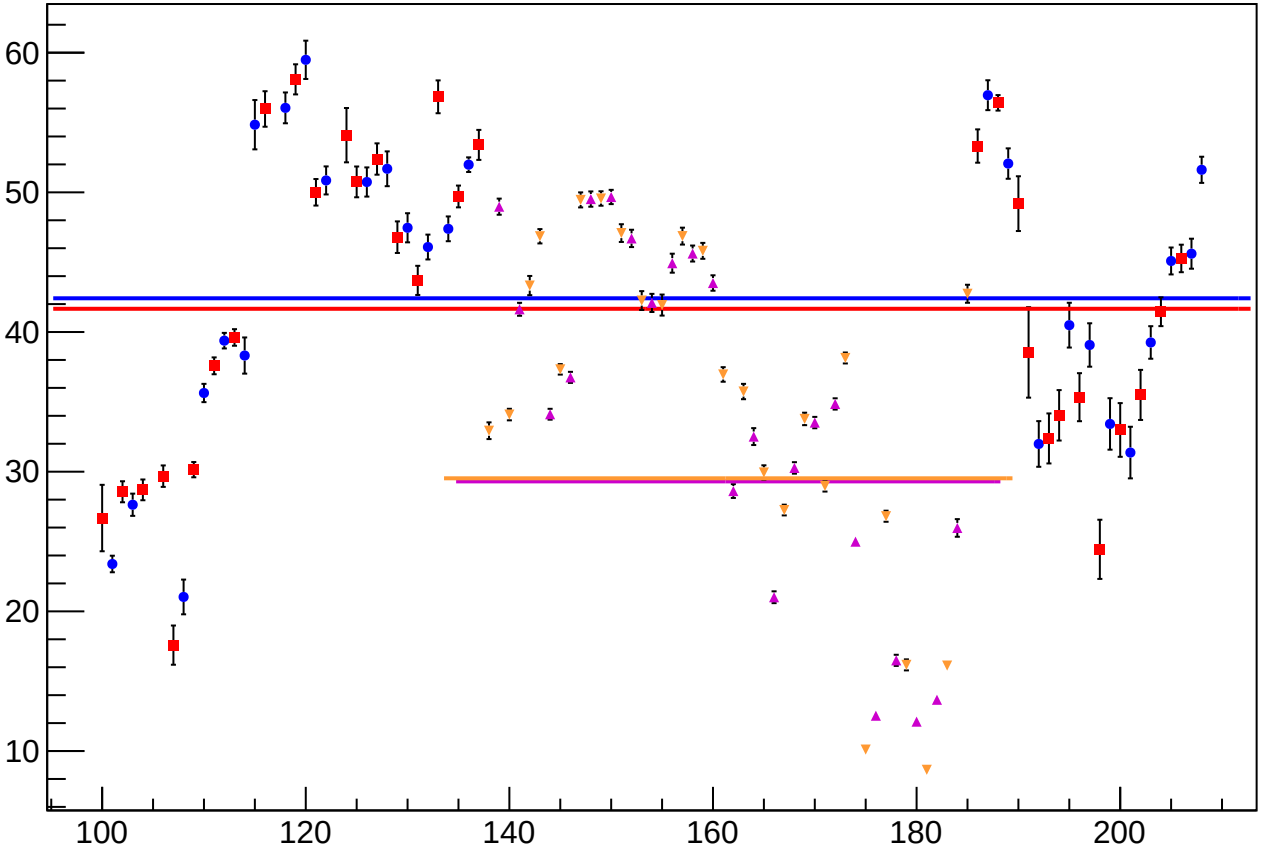
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.598+/-0.066 χ^2/NDF: 11997.8/51

All: 0.643+/-0.047 χ^2/NDF: 21144.8/105

- sign 0.690+/-0.068 χ^2/NDF: 9146.0/53

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 42.415+/-0.183 χ^2/NDF: 3258.7/26

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.663+/-0.176 χ^2/NDF: 3725.1/30

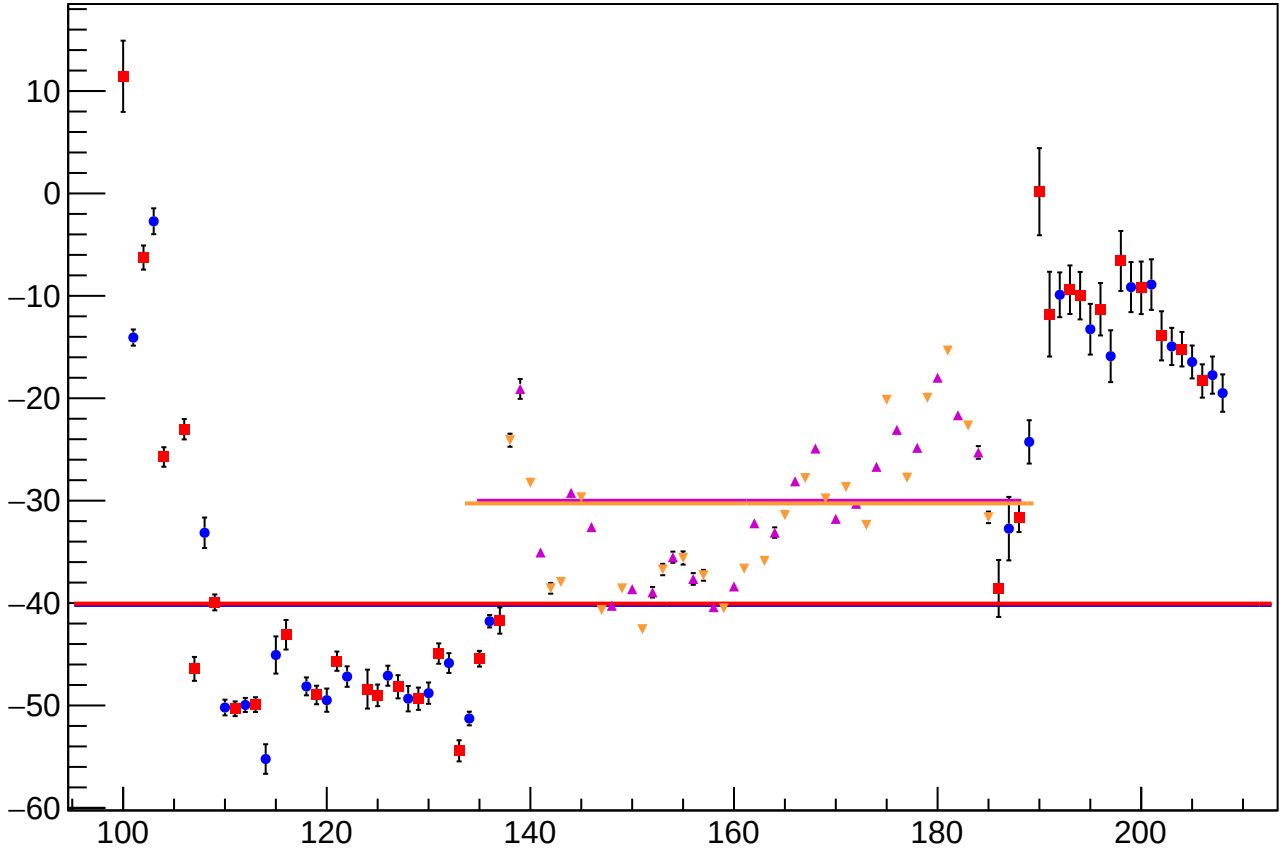
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 32.061+/-0.081 χ^2/NDF: 28324.2/51

All: 32.036+/-0.058 χ^2/NDF: 53776.4/105

- sign 32.010+/-0.082 χ^2/NDF: 25451.9/53

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -40.181+/-0.216 χ^2/NDF: 4646.8/26

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

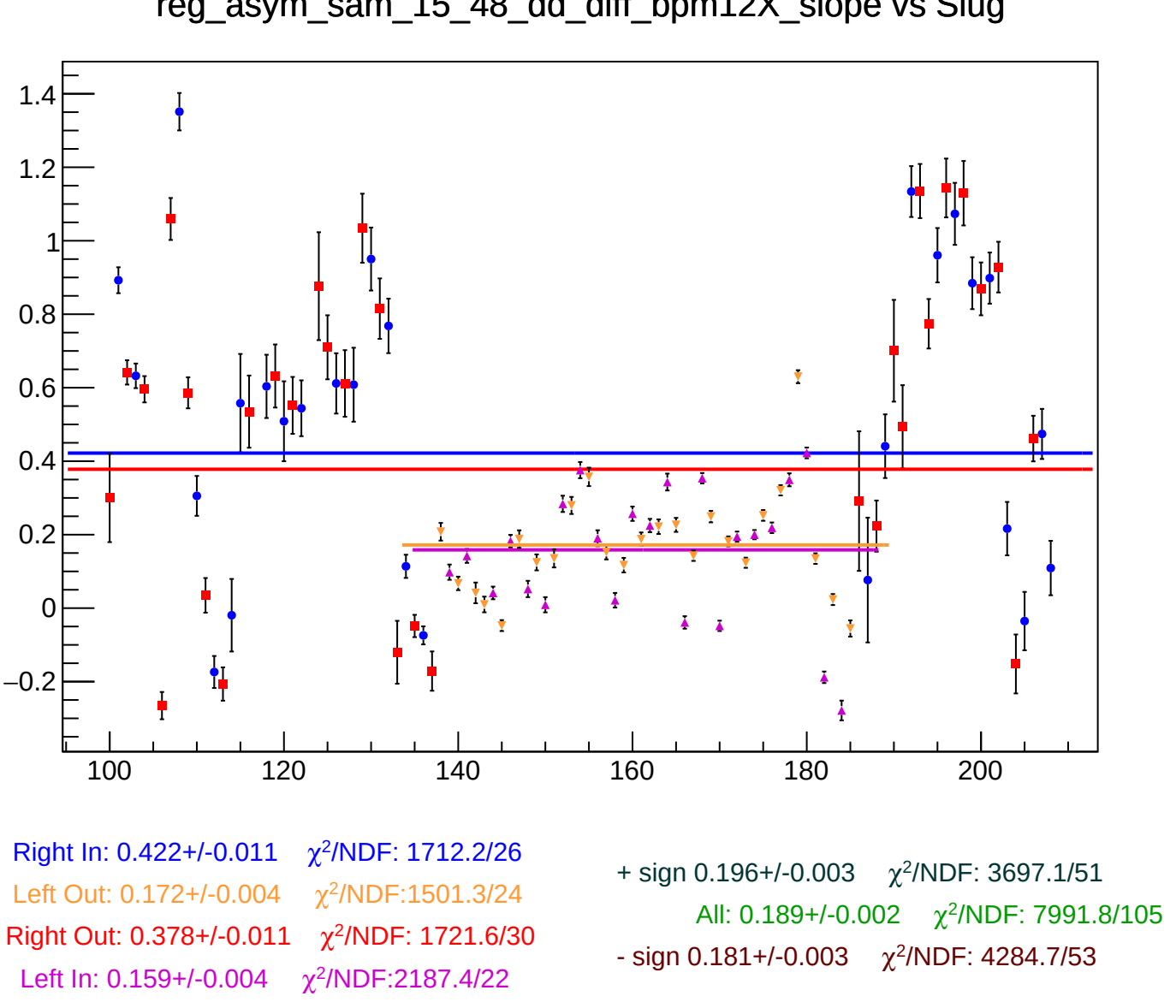
Right Out: -40.053+/-0.216 χ^2/NDF: 4026.9/30

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

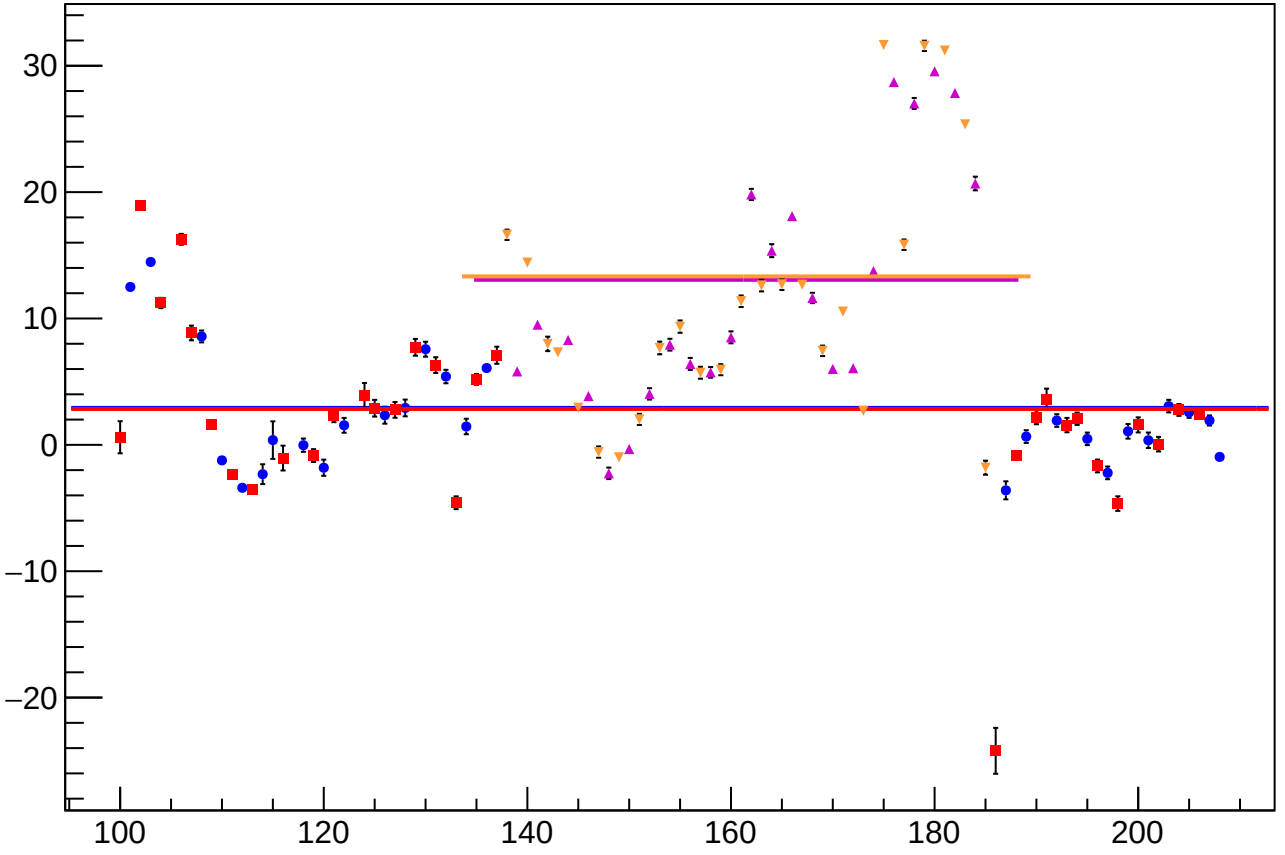
+ sign -31.447+/-0.074 χ^2/NDF: 15007.9/51

All: -31.356+/-0.053 χ^2/NDF: 27017.4/105

- sign -31.260+/-0.076 χ^2/NDF: 12006.4/53


reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: 0.422+/-0.011 χ²/NDF: 1712.2/26
Left Out: 0.172+/-0.004 χ²/NDF:1501.3/24
Right Out: 0.378+/-0.011 χ²/NDF: 1721.6/30
Left In: 0.159+/-0.004 χ²/NDF:2187.4/22
+ sign 0.196+/-0.003 χ²/NDF: 3697.1/51
All: 0.189+/-0.002 χ²/NDF: 7991.8/105
- sign 0.181+/-0.003 χ²/NDF: 4284.7/53

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.924+/-0.091 χ^2/NDF: 3194.5/26

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

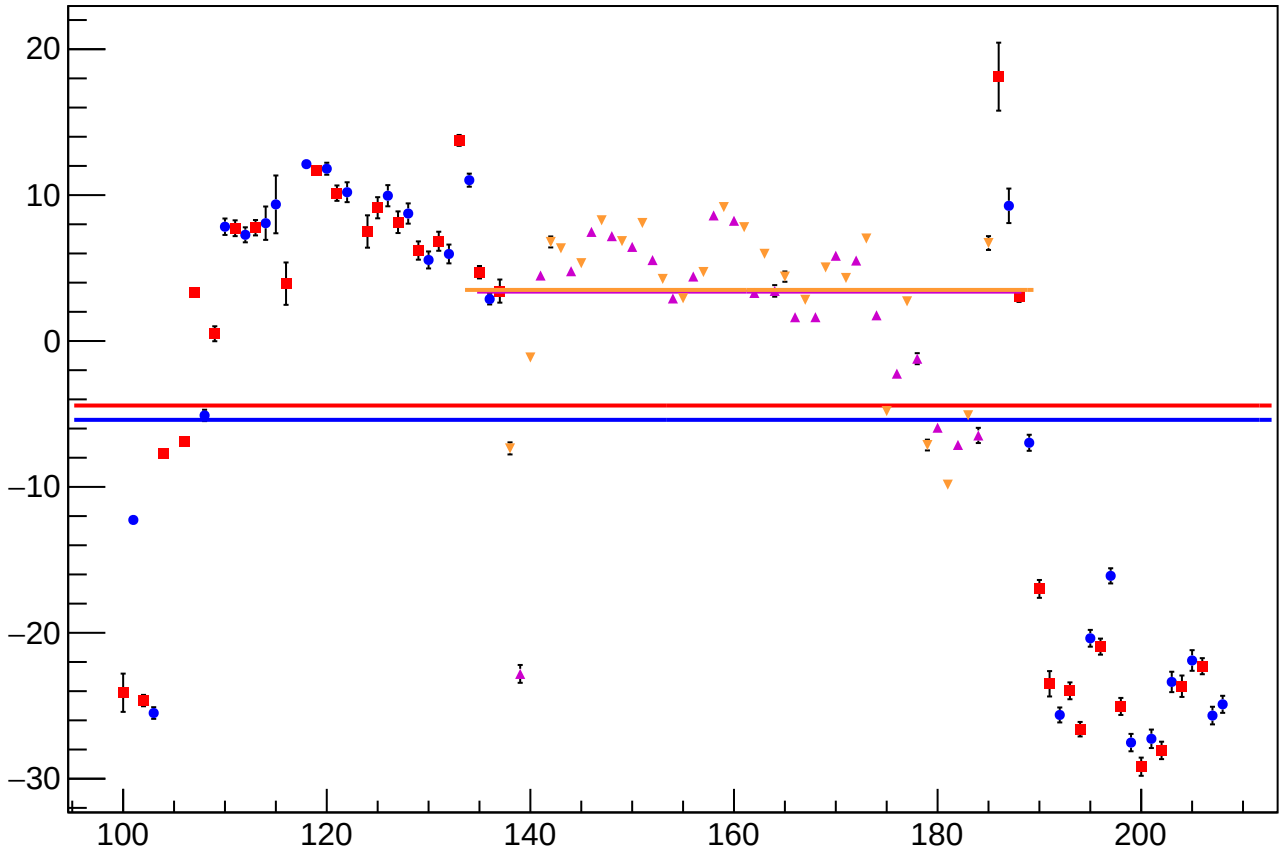
Right Out: 2.841+/-0.086 χ^2/NDF: 5107.5/30

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 8.996+/-0.059 χ^2/NDF: 30281.5/51

All: 8.674+/-0.041 χ^2/NDF: 58652.6/105

- sign 8.355+/-0.058 χ^2/NDF: 28311.1/53



Right In: -5.404+/-0.098 χ^2/NDF: 22064.3/26

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -4.422+/-0.093 χ^2/NDF: 23776.8/30

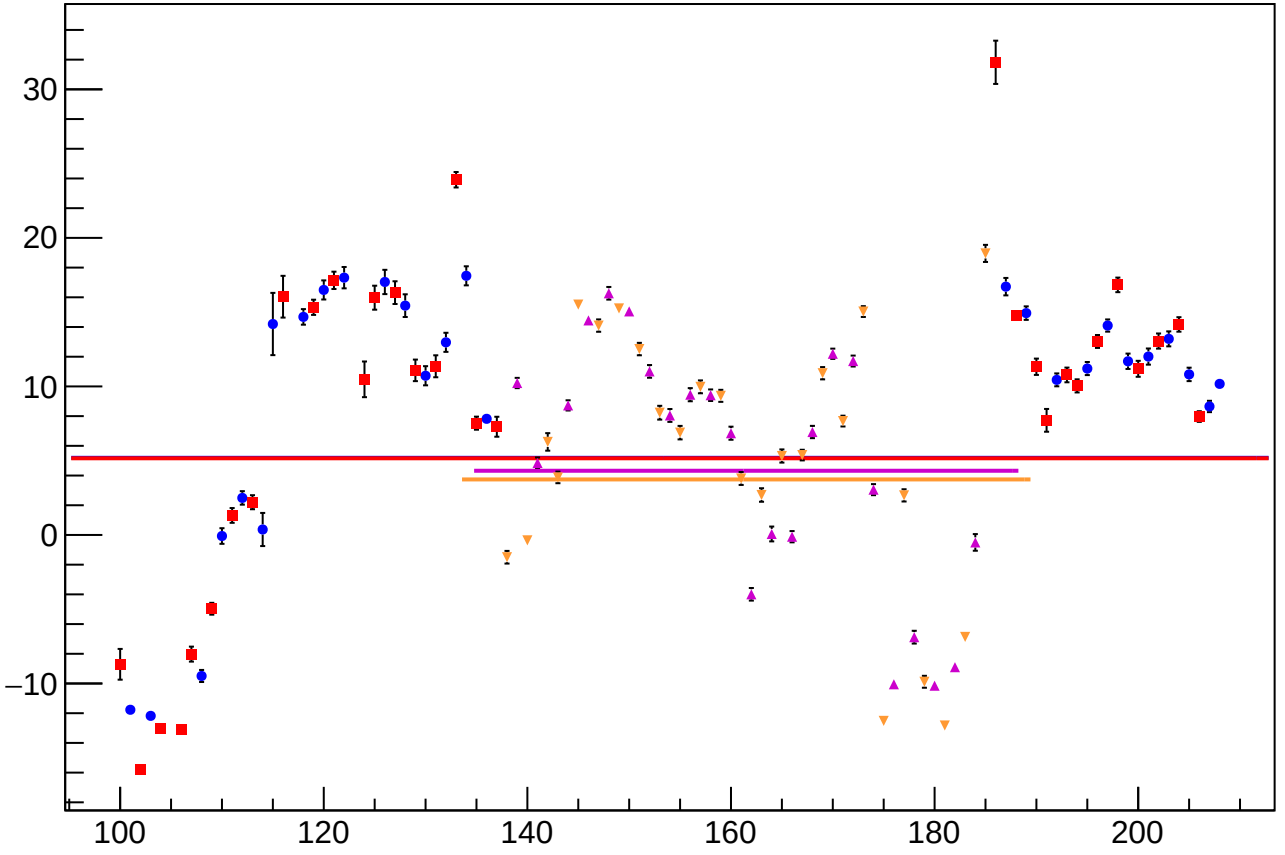
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 1.162+/-0.050 χ^2/NDF: 36054.1/51

All: 1.097+/-0.036 χ^2/NDF: 71481.4/105

- sign 1.030+/-0.051 χ^2/NDF: 35423.9/53

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 5.193+/-0.089 χ^2/NDF: 13868.1/26

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 5.162+/-0.084 χ^2/NDF: 19978.0/30

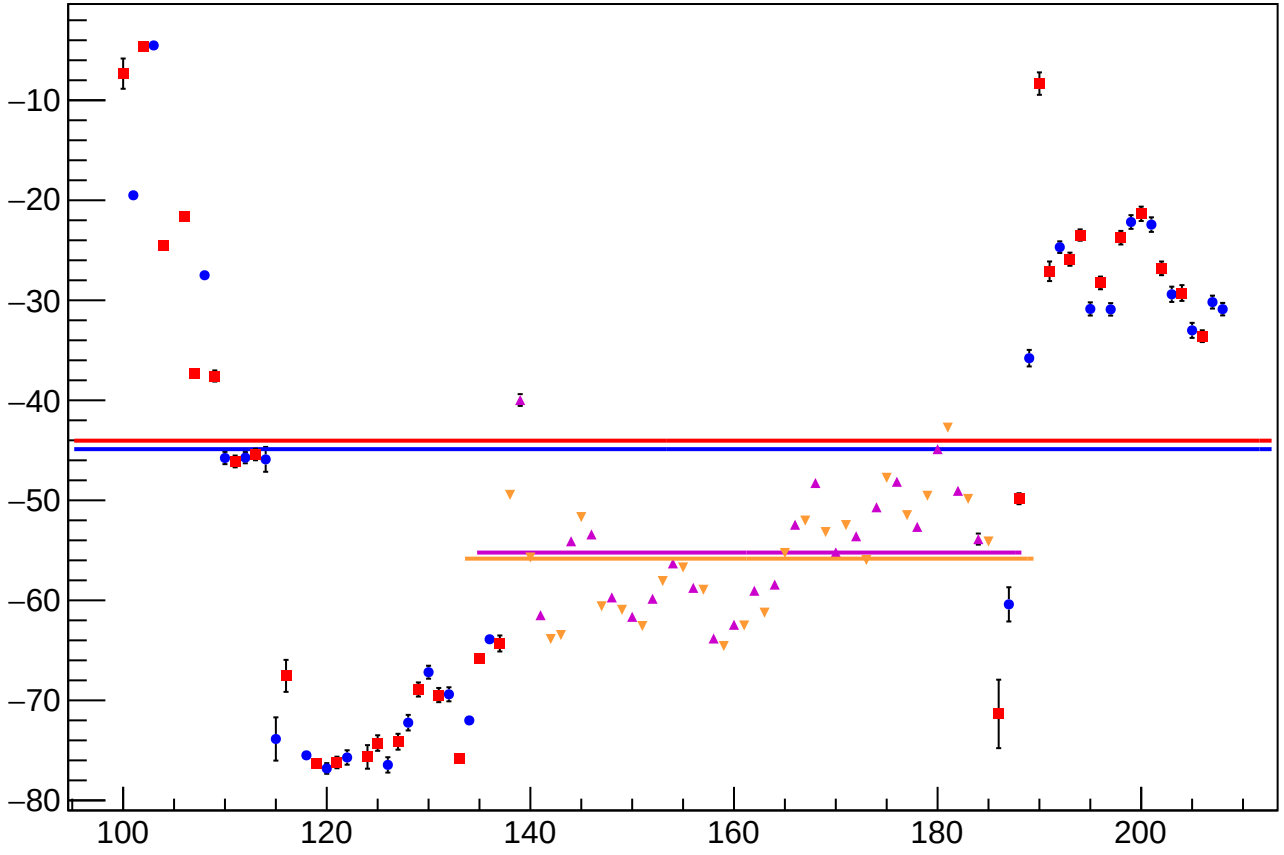
Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 4.355+/-0.058 χ^2/NDF: 29608.7/51

All: 4.537+/-0.041 χ^2/NDF: 62142.6/105

- sign 4.714+/-0.057 χ^2/NDF: 32514.6/53

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -44.882+/-0.114 χ^2/NDF: 42055.3/26

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -44.034+/-0.110 χ^2/NDF: 43340.3/30

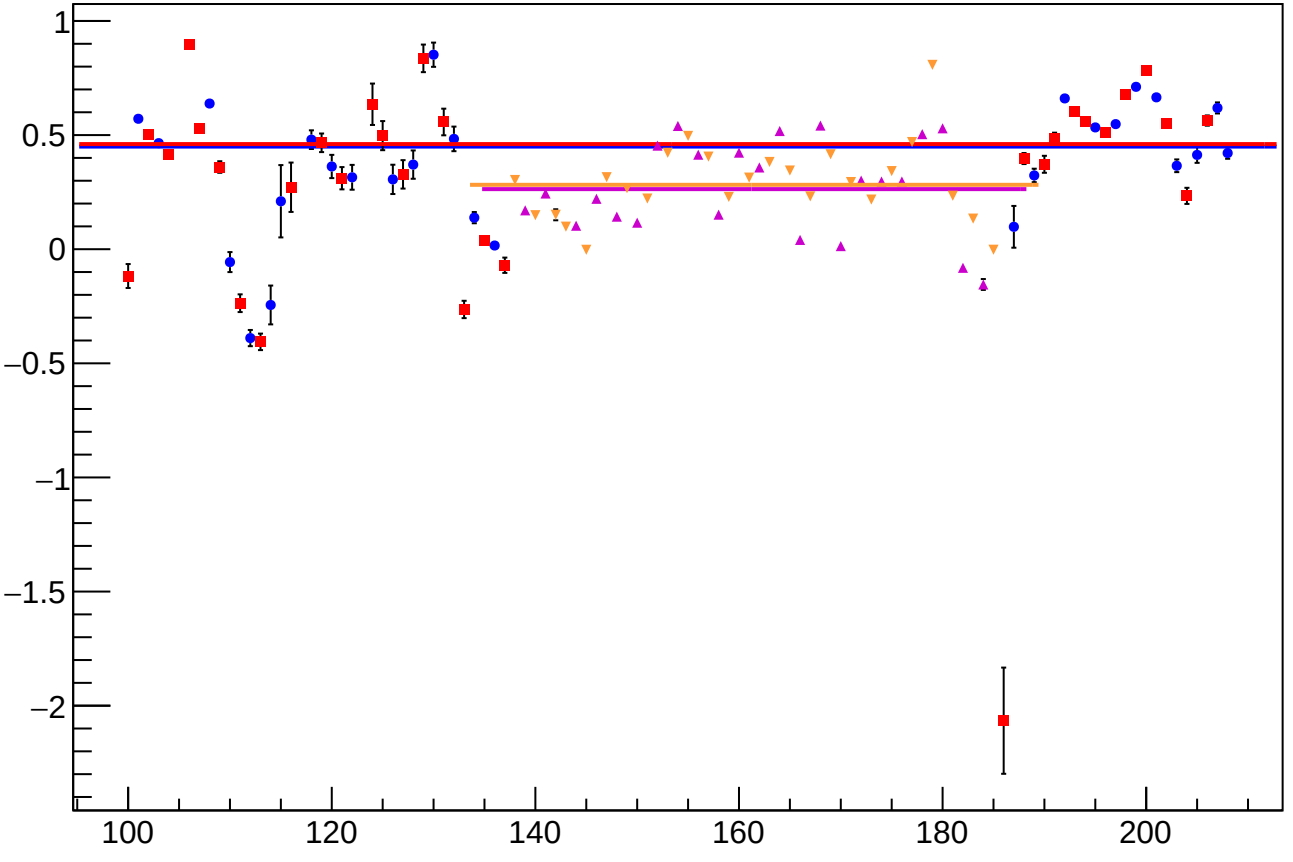
Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -53.078+/-0.057 χ^2/NDF: 56498.5/51

All: -52.590+/-0.041 χ^2/NDF: 113758.5/105

- sign -52.087+/-0.058 χ^2/NDF: 57113.1/53

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.450+/-0.005 χ^2/NDF: 2607.7/26

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.461+/-0.004 χ^2/NDF: 3649.7/30

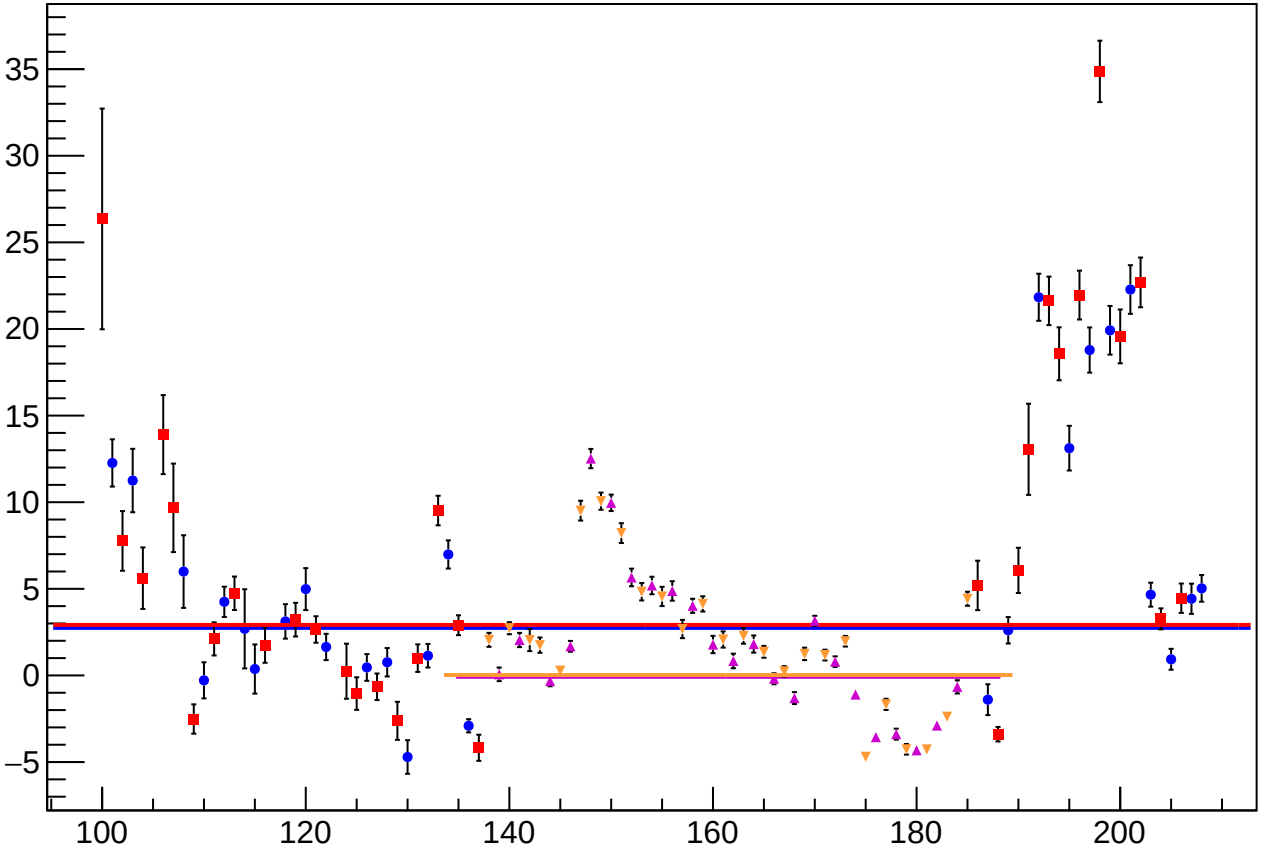
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.330+/-0.003 χ^2/NDF: 6214.1/51

All: 0.327+/-0.002 χ^2/NDF: 15024.9/105

- sign 0.325+/-0.003 χ^2/NDF: 8809.2/53

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 2.747+/-0.167 χ^2/NDF: 1225.2/26

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.914+/-0.172 χ^2/NDF: 1671.5/30

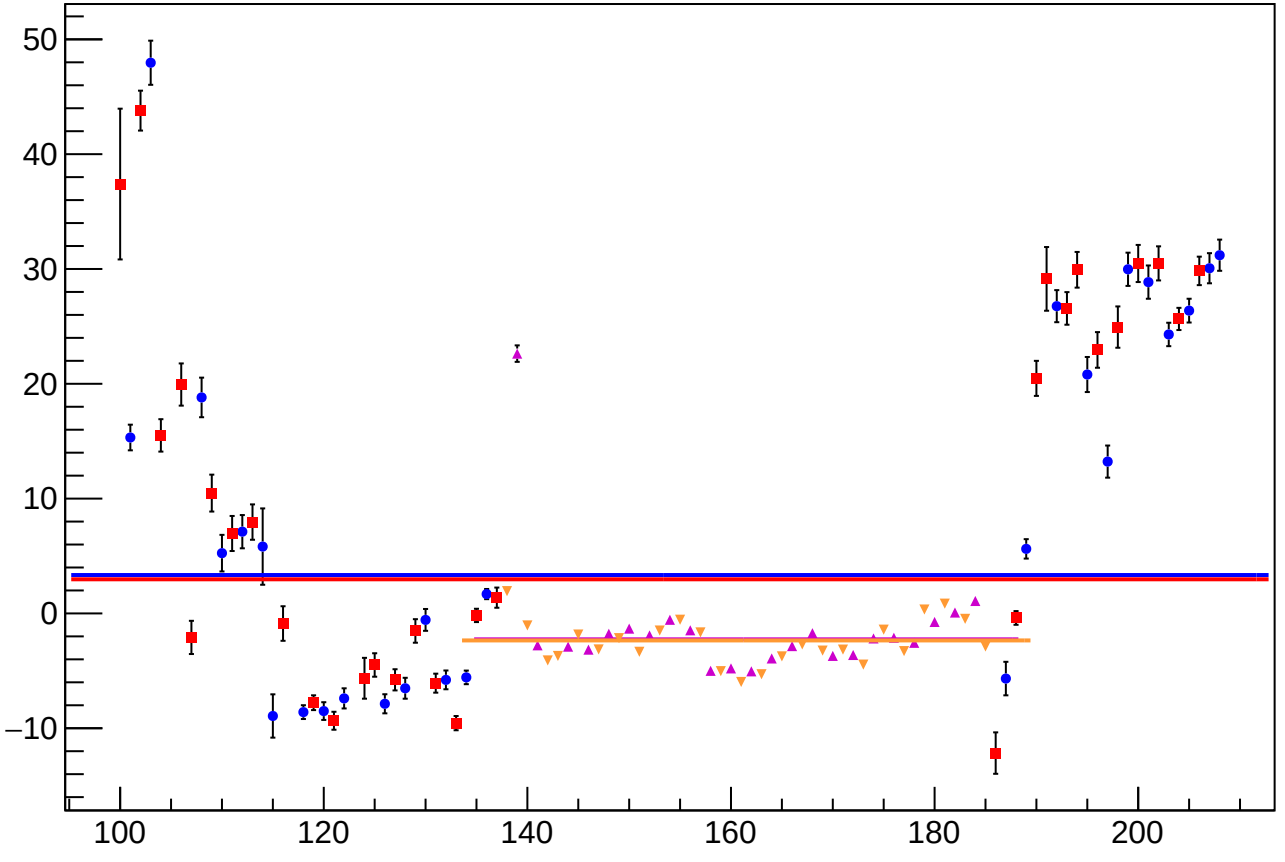
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.413+/-0.063 χ^2/NDF: 4211.5/51

All: 0.384+/-0.046 χ^2/NDF: 8607.3/105

- sign 0.353+/-0.065 χ^2/NDF: 4395.3/53

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 3.344+/-0.186 χ^2/NDF: 5153.5/26

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

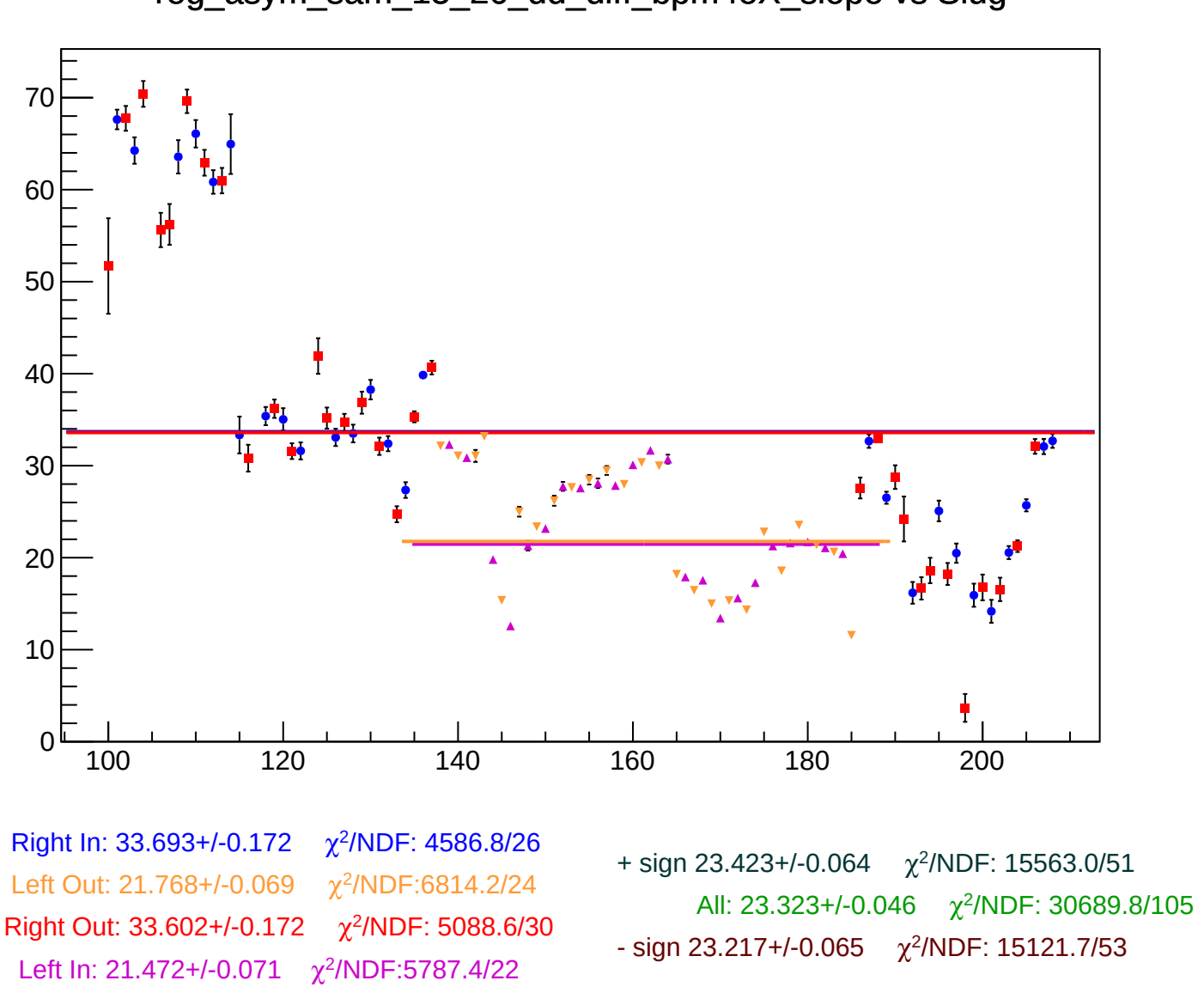
Right Out: 2.972+/-0.193 χ^2/NDF: 4941.0/30

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

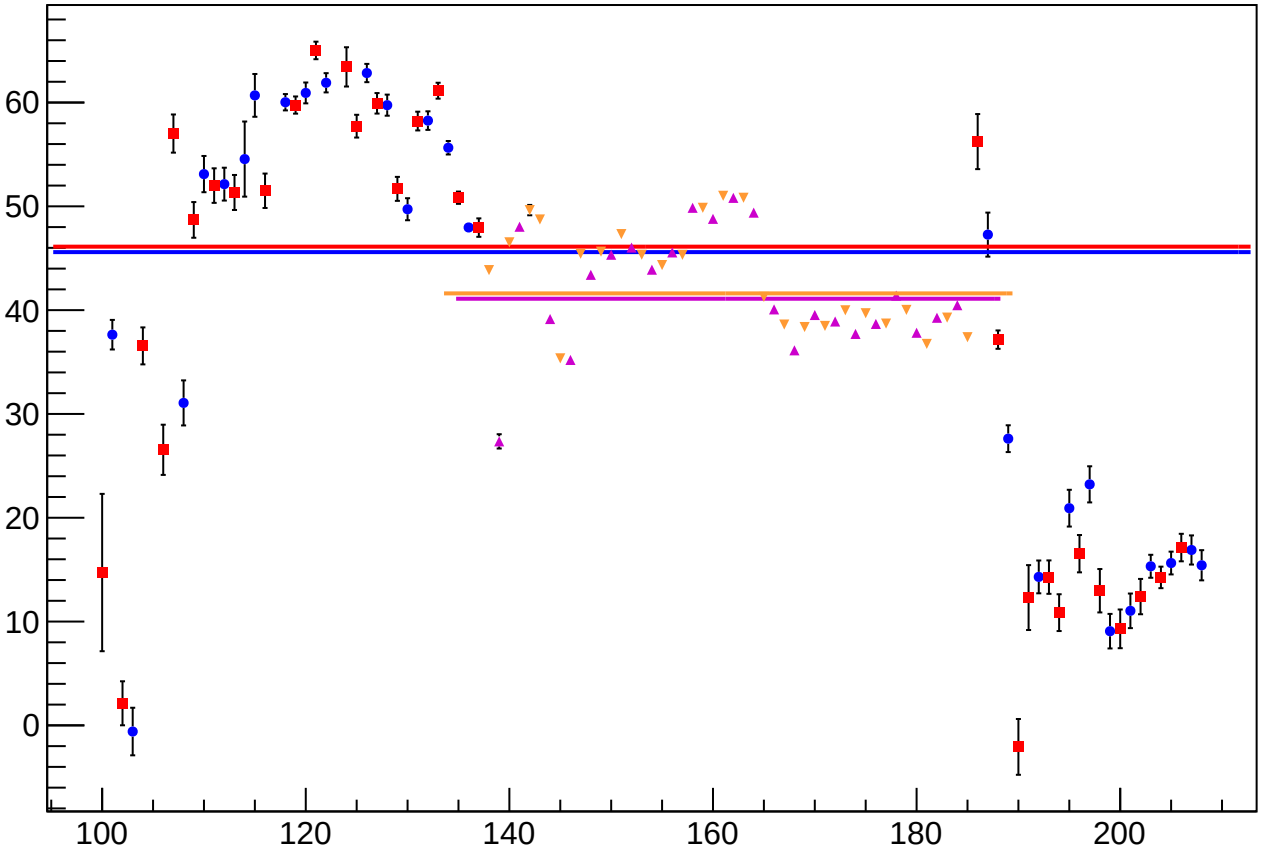
+ sign -1.893+/-0.053 χ^2/NDF: 7140.1/51

All: -1.869+/-0.038 χ^2/NDF: 14637.4/105

- sign -1.844+/-0.054 χ^2/NDF: 7496.9/53


reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug
70
60
50
40
30
20
10
0
100
120
140
160
180
200
Right In: 33.693+/-0.172 χ²/NDF: 4586.8/26
Left Out: 21.768+/-0.069 χ²/NDF:6814.2/24
Right Out: 33.602+/-0.172 χ²/NDF: 5088.6/30
Left In: 21.472+/-0.071 χ²/NDF:5787.4/22
+ sign 23.423+/-0.064 χ²/NDF: 15563.0/51
All: 23.323+/-0.046 χ²/NDF: 30689.8/105
- sign 23.217+/-0.065 χ²/NDF: 15121.7/53

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 45.590+/-0.210 χ^2/NDF: 6717.1/26

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 46.116+/-0.222 χ^2/NDF: 6501.9/30

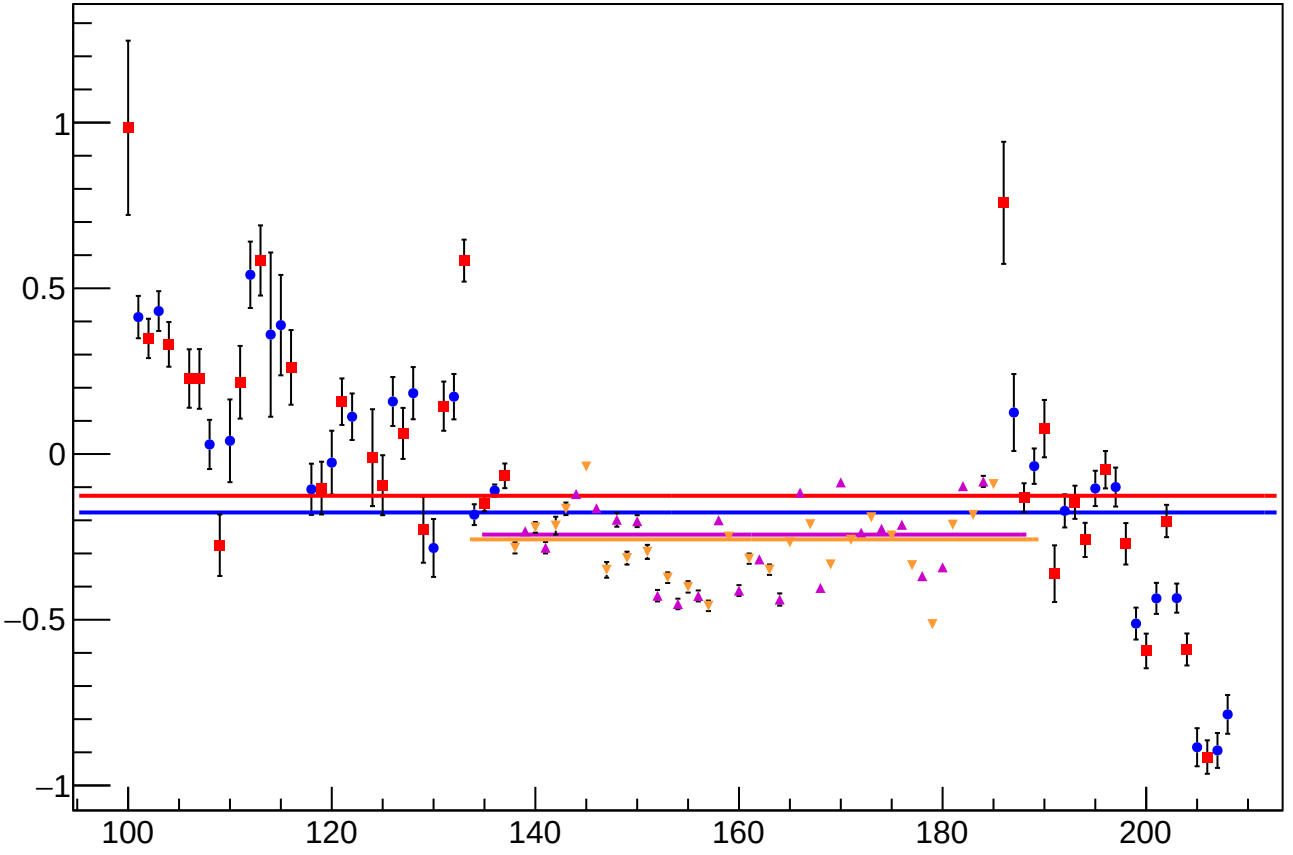
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 41.926+/-0.059 χ^2/NDF: 12824.2/51

All: 41.703+/-0.042 χ^2/NDF: 25306.6/105

- sign 41.468+/-0.060 χ^2/NDF: 12452.8/53

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.176+/-0.010 χ^2/NDF: 947.2/26

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.126+/-0.011 χ^2/NDF: 863.6/30

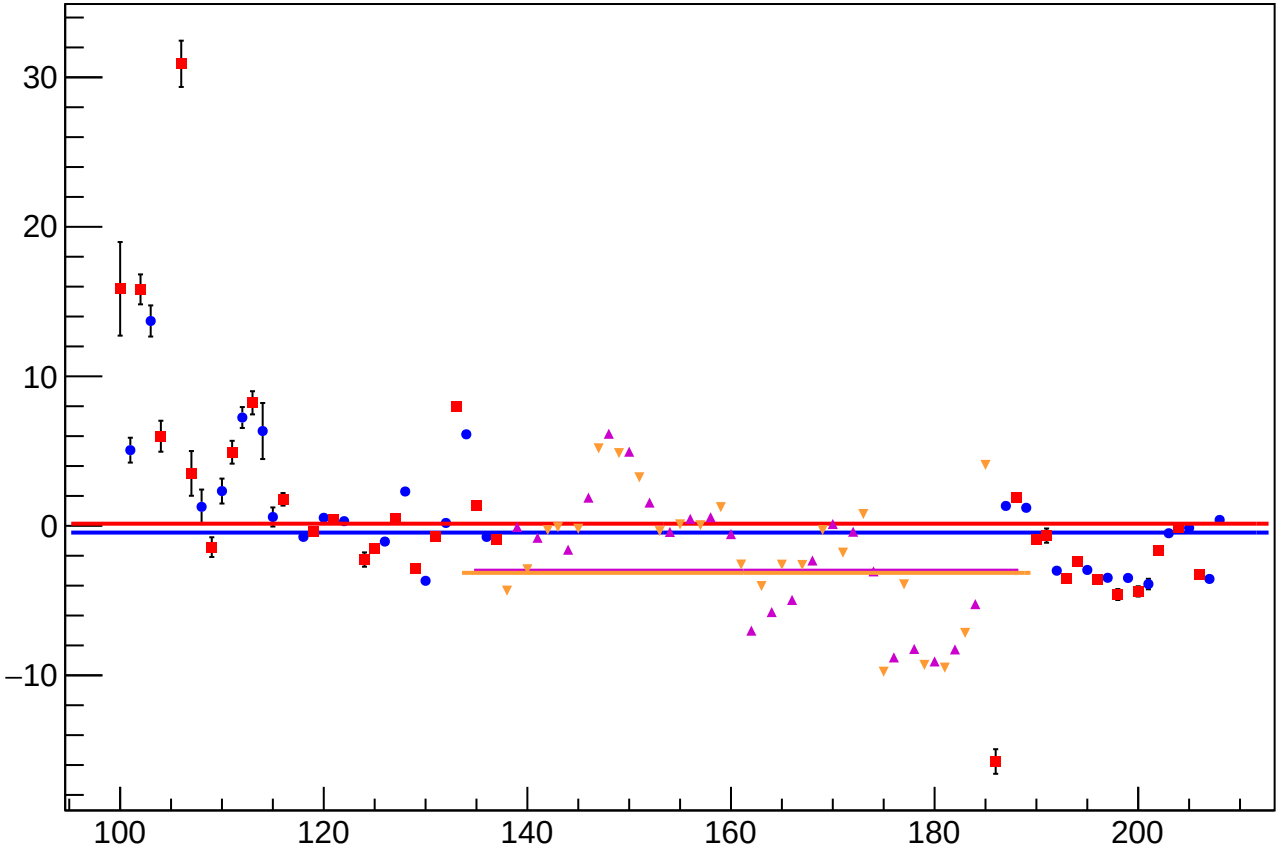
Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.252+/-0.003 χ^2/NDF: 2523.3/51

All: -0.244+/-0.002 χ^2/NDF: 5329.5/105

- sign -0.236+/-0.003 χ^2/NDF: 2787.2/53

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.451+/-0.052 χ^2/NDF: 1991.6/26

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.144+/-0.052 χ^2/NDF: 4411.0/30

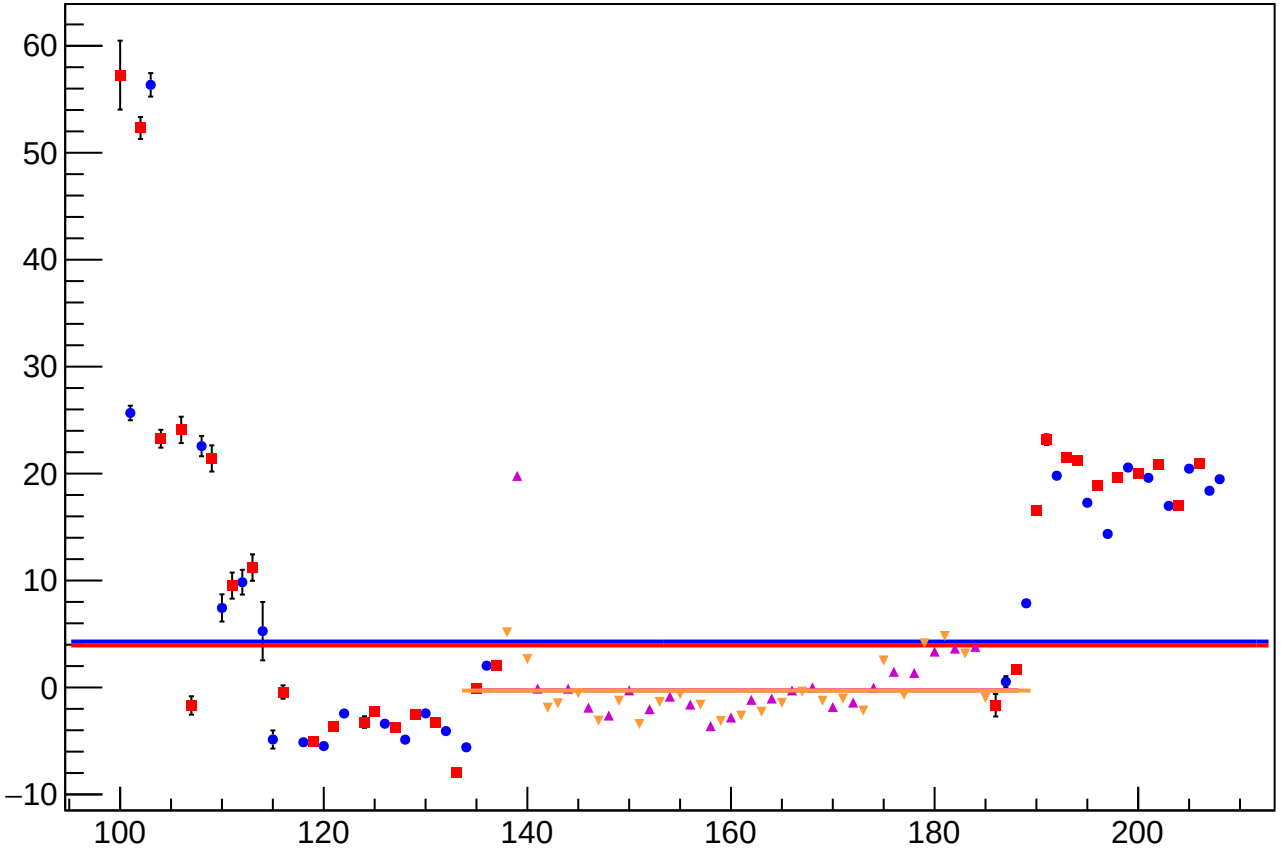
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.546+/-0.024 χ^2/NDF: 29446.6/51

All: -2.408+/-0.017 χ^2/NDF: 59194.4/105

- sign -2.265+/-0.025 χ^2/NDF: 29683.3/53

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 4.294+/-0.056 χ^2/NDF: 36734.6/26

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 3.930+/-0.055 χ^2/NDF: 43333.4/30

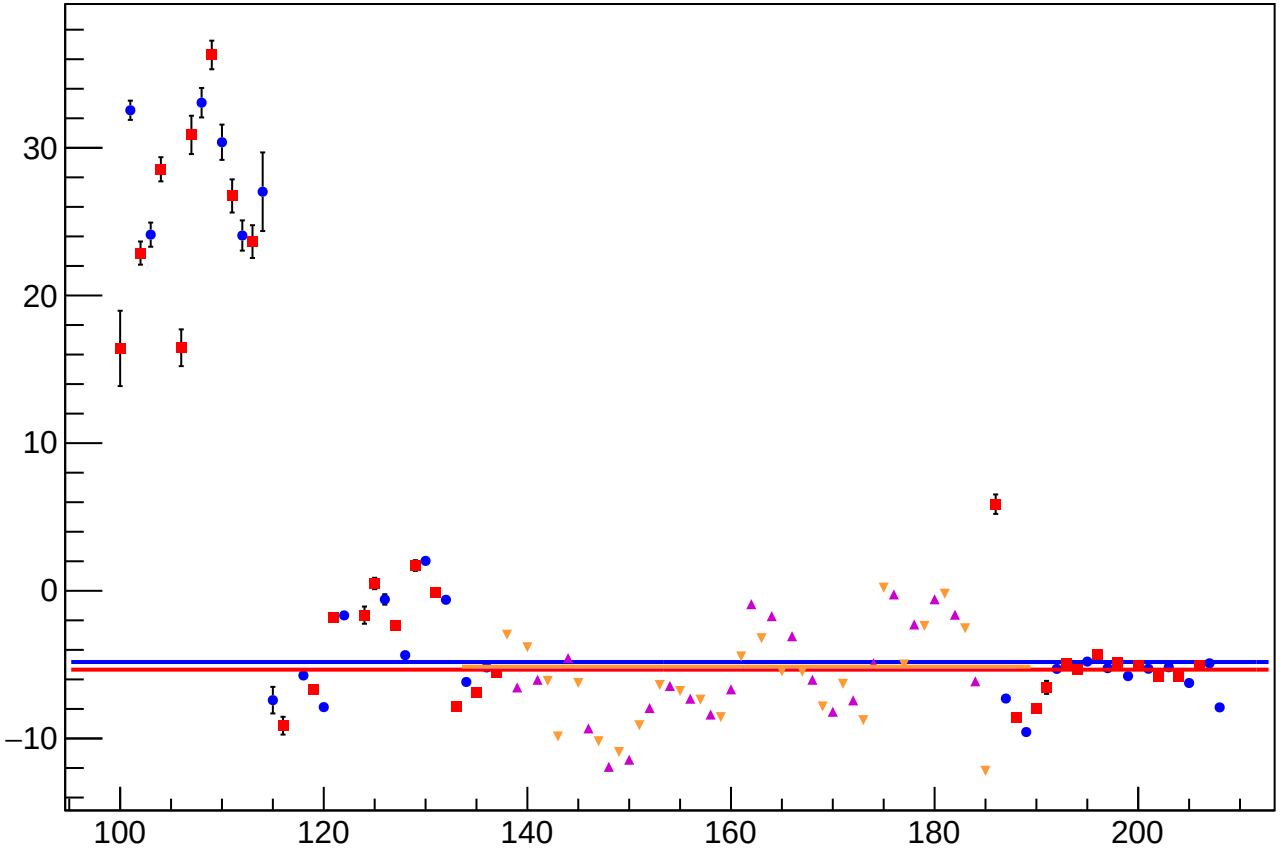
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign 0.307+/-0.020 χ^2/NDF: 54667.0/51

All: 0.315+/-0.014 χ^2/NDF: 116238.7/105

- sign 0.323+/-0.021 χ^2/NDF: 61571.4/53

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -4.822+/-0.052 χ^2/NDF: 9853.2/26

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.339+/-0.050 χ^2/NDF: 10493.7/30

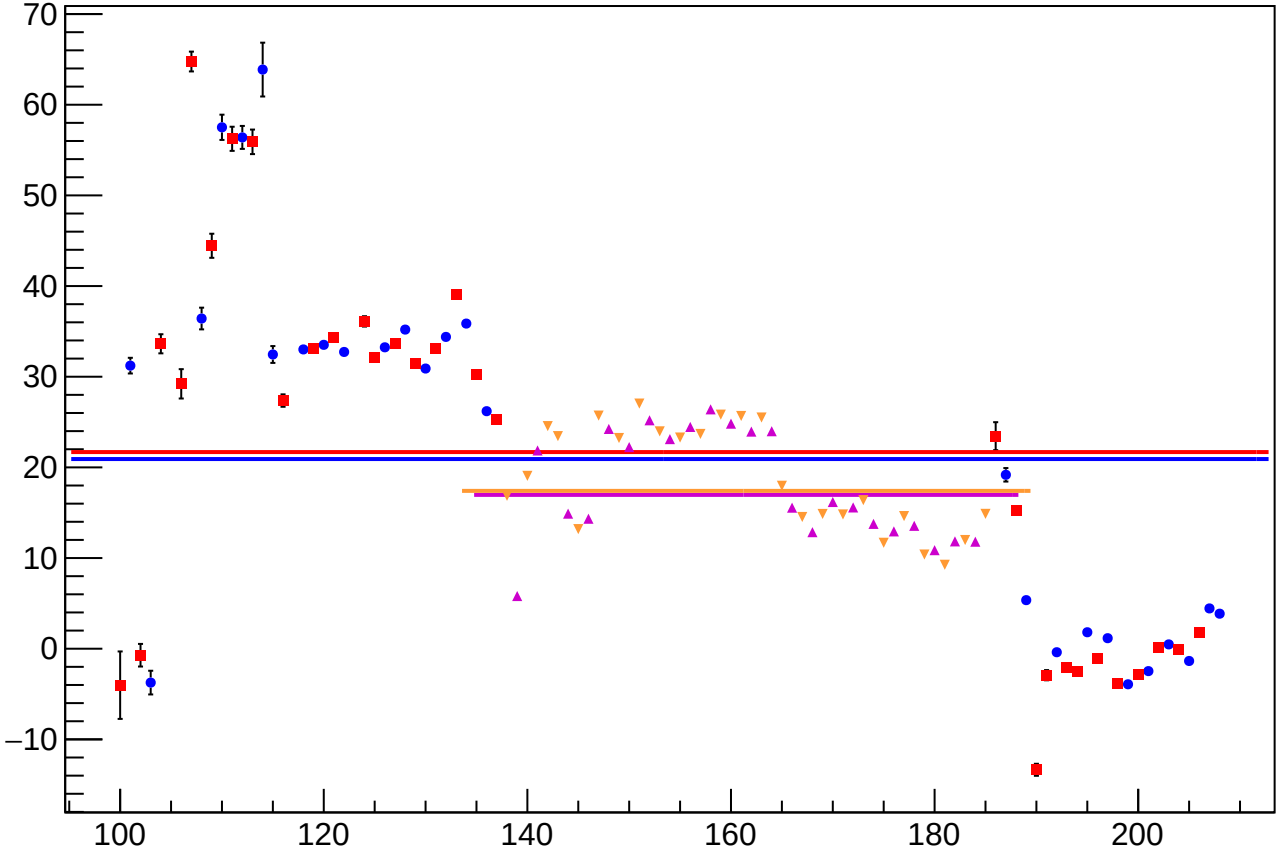
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -5.067+/-0.024 χ^2/NDF: 24508.0/51

All: -5.142+/-0.017 χ^2/NDF: 48992.1/105

- sign -5.217+/-0.025 χ^2/NDF: 24465.5/53

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 20.920+/-0.065 χ^2/NDF: 56152.3/26

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

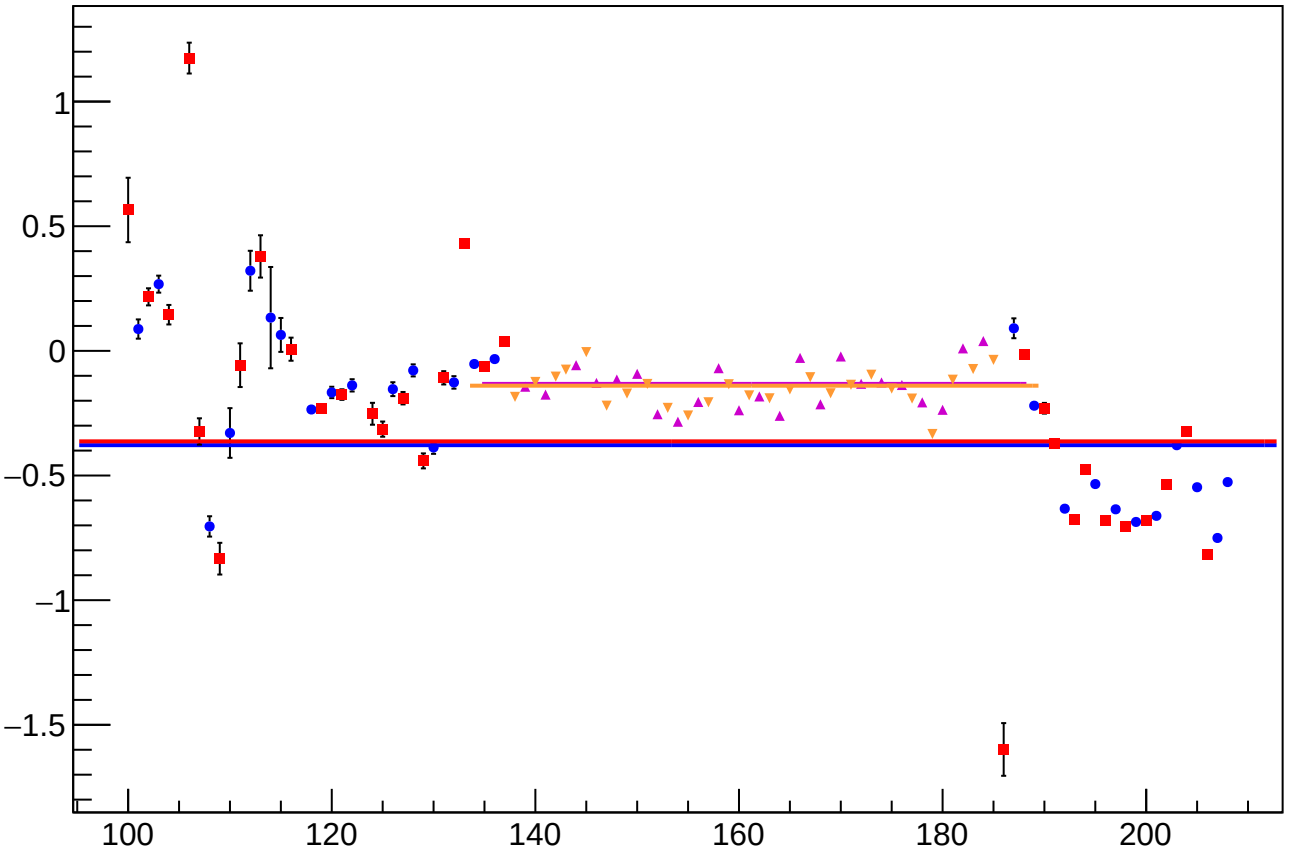
Right Out: 21.690+/-0.064 χ^2/NDF: 67413.1/30

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 17.845+/-0.023 χ^2/NDF: 109343.5/51

All: 17.717+/-0.016 χ^2/NDF: 221424.9/105

- sign 17.585+/-0.023 χ^2/NDF: 112018.2/53



Right In: -0.378+/-0.003 χ^2/NDF: 8381.6/26

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.363+/-0.003 χ^2/NDF: 12738.9/30

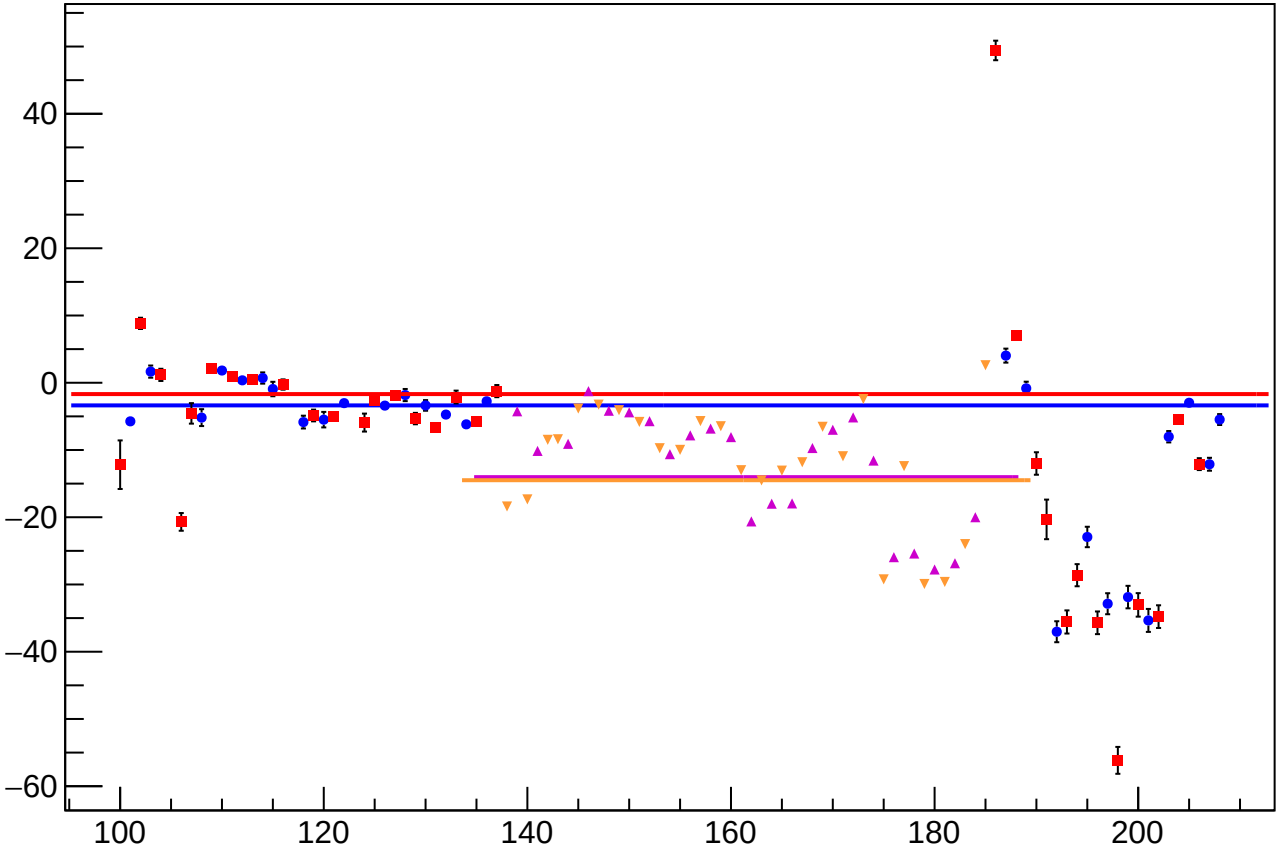
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.168+/-0.001 χ^2/NDF: 18152.4/51

All: -0.165+/-0.001 χ^2/NDF: 41846.0/105

- sign -0.161+/-0.001 χ^2/NDF: 23673.8/53

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -3.367+/-0.141 χ^2/NDF: 2206.5/26

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.685+/-0.135 χ^2/NDF: 5032.7/30

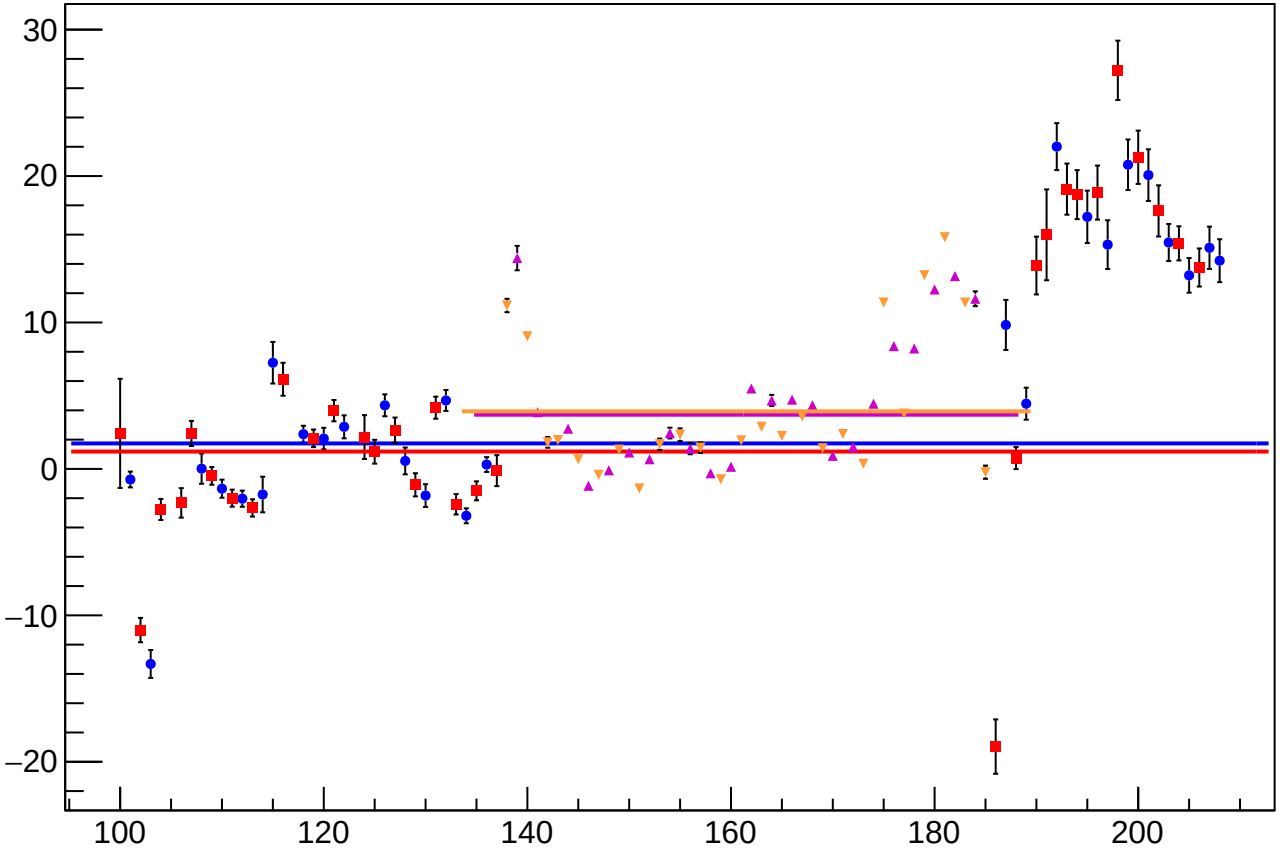
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.046+/-0.066 χ^2/NDF: 24312.2/51

All: -11.532+/-0.047 χ^2/NDF: 49296.8/105

- sign -11.006+/-0.067 χ^2/NDF: 24861.9/53

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 1.741+/-0.161 χ^2/NDF: 1455.5/26

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 1.186+/-0.163 χ^2/NDF: 1555.3/30

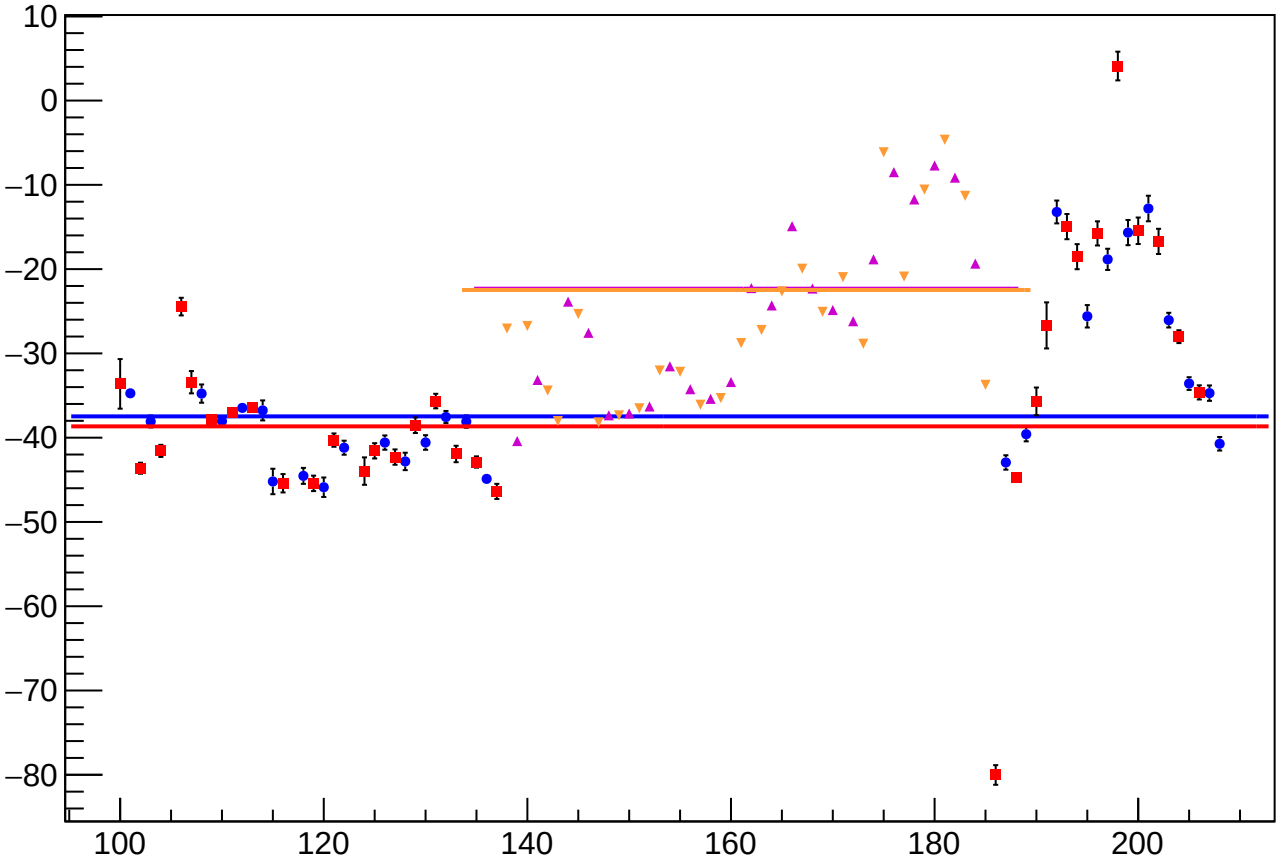
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

\+ sign 3.681+/-0.054 χ^2/NDF: 8598.8/51

All: 3.549+/-0.039 χ^2/NDF: 15164.2/105

\- sign 3.410+/-0.056 χ^2/NDF: 6553.4/53

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -37.473+/-0.154 χ^2/NDF: 1899.5/26

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -38.659+/-0.153 χ^2/NDF: 4034.0/30

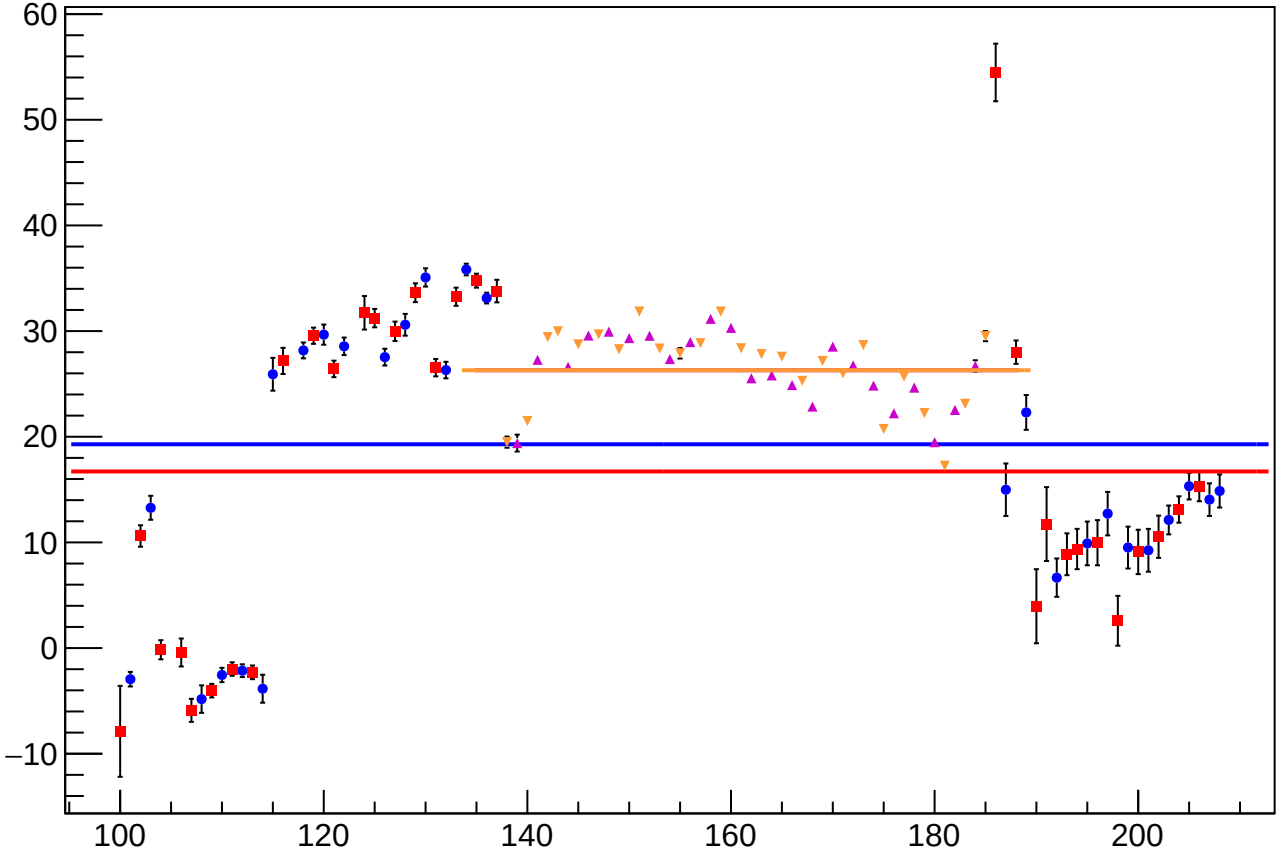
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -25.329+/-0.067 χ^2/NDF: 29960.8/51

All: -25.466+/-0.048 χ^2/NDF: 60290.2/105

- sign -25.607+/-0.068 χ^2/NDF: 30320.9/53

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.289+/-0.182 χ^2/NDF: 6895.0/26

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.715+/-0.186 χ^2/NDF: 7158.9/30

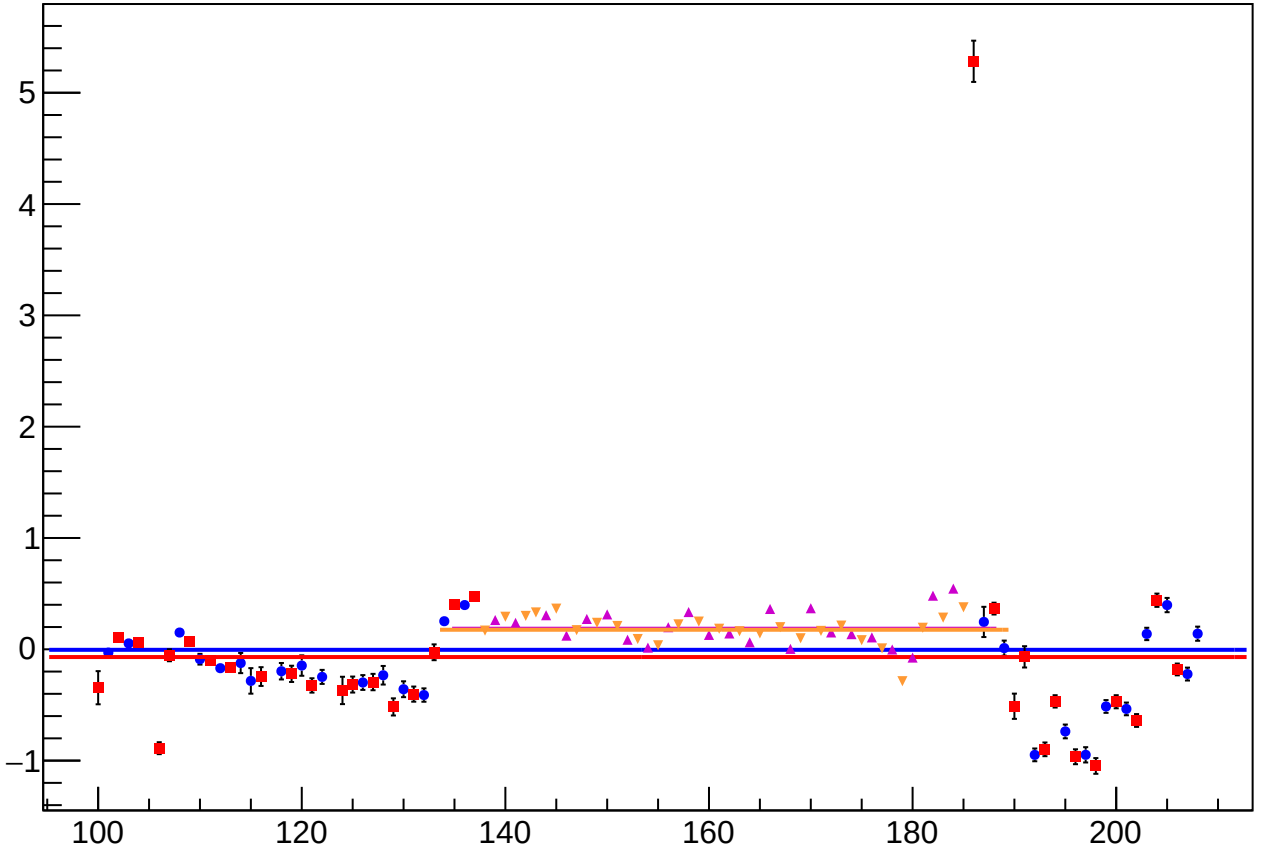
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.502+/-0.061 χ^2/NDF: 11516.5/51

All: 25.358+/-0.044 χ^2/NDF: 23211.3/105

- sign 25.208+/-0.063 χ^2/NDF: 11683.6/53

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.005+/-0.009 χ^2/NDF: 1477.2/26

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

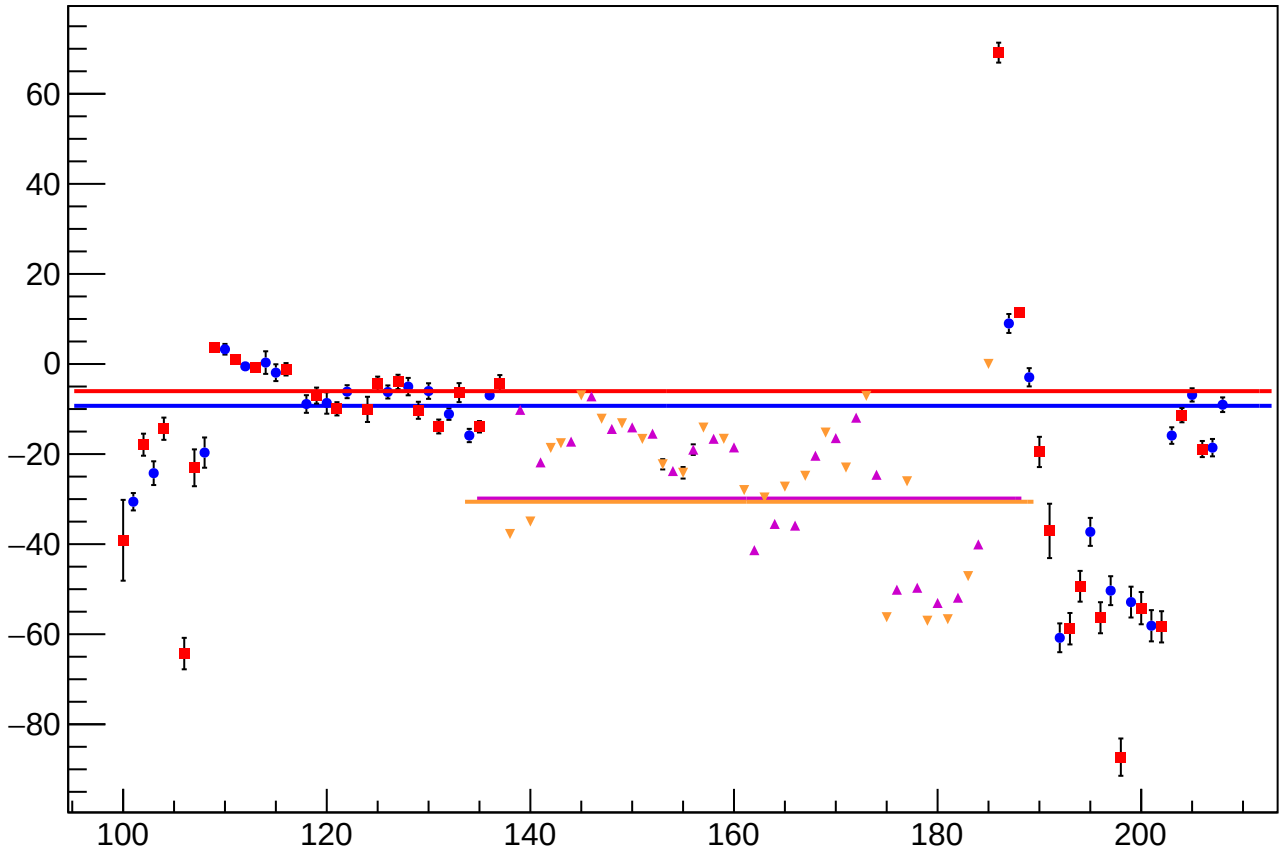
Right Out: -0.070+/-0.010 χ^2/NDF: 2629.2/30

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.159+/-0.003 χ^2/NDF: 3766.6/51

All: 0.161+/-0.002 χ^2/NDF: 9587.5/105

- sign 0.162+/-0.003 χ^2/NDF: 5820.2/53



Right In: -9.286+/-0.326 χ^2/NDF: 1420.6/26

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -6.025+/-0.322 χ^2/NDF: 3505.9/30

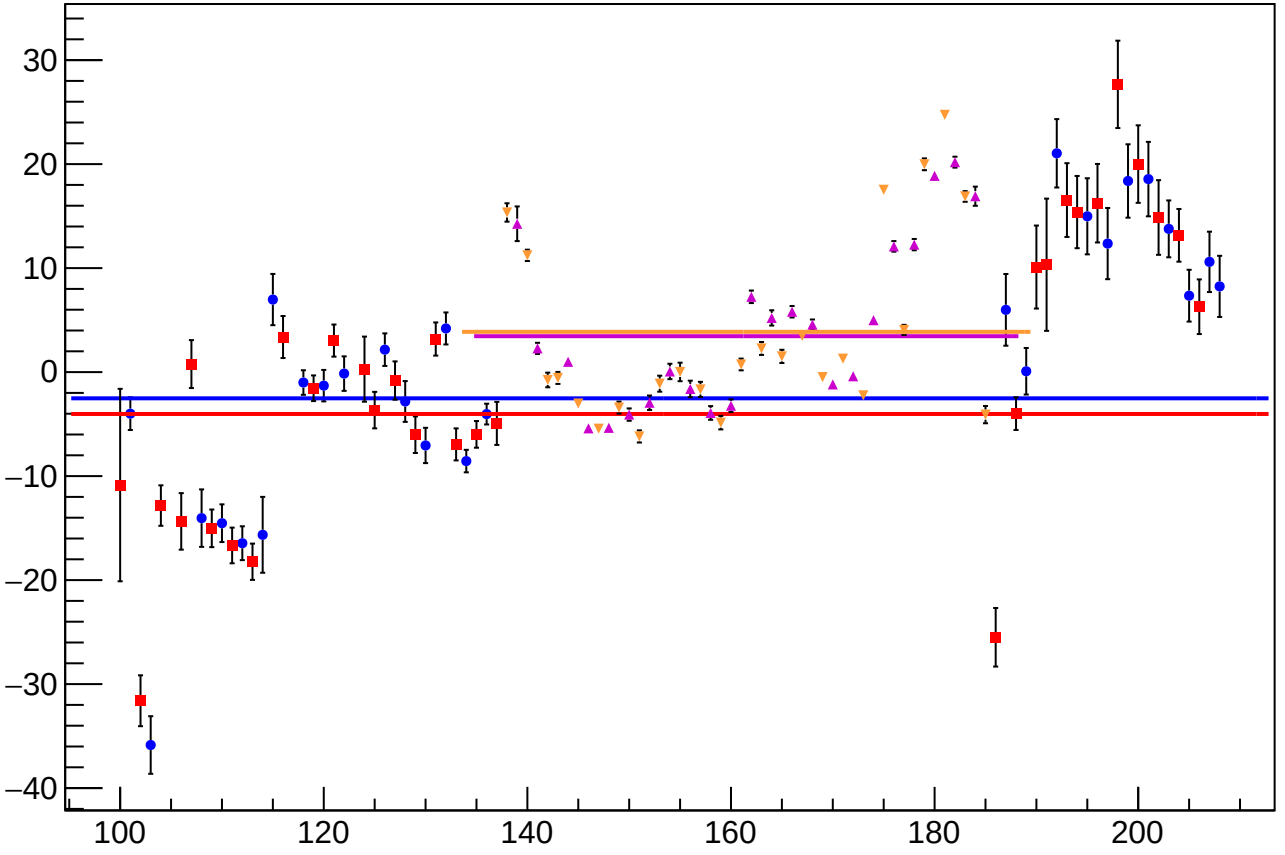
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -27.180+/-0.130 χ^2/NDF: 21059.1/51

All: -26.503+/-0.093 χ^2/NDF: 41209.9/105

- sign -25.795+/-0.133 χ^2/NDF: 20095.5/53

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.522+/-0.362 χ^2/NDF: 636.6/26

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -4.026+/-0.375 χ^2/NDF: 752.7/30

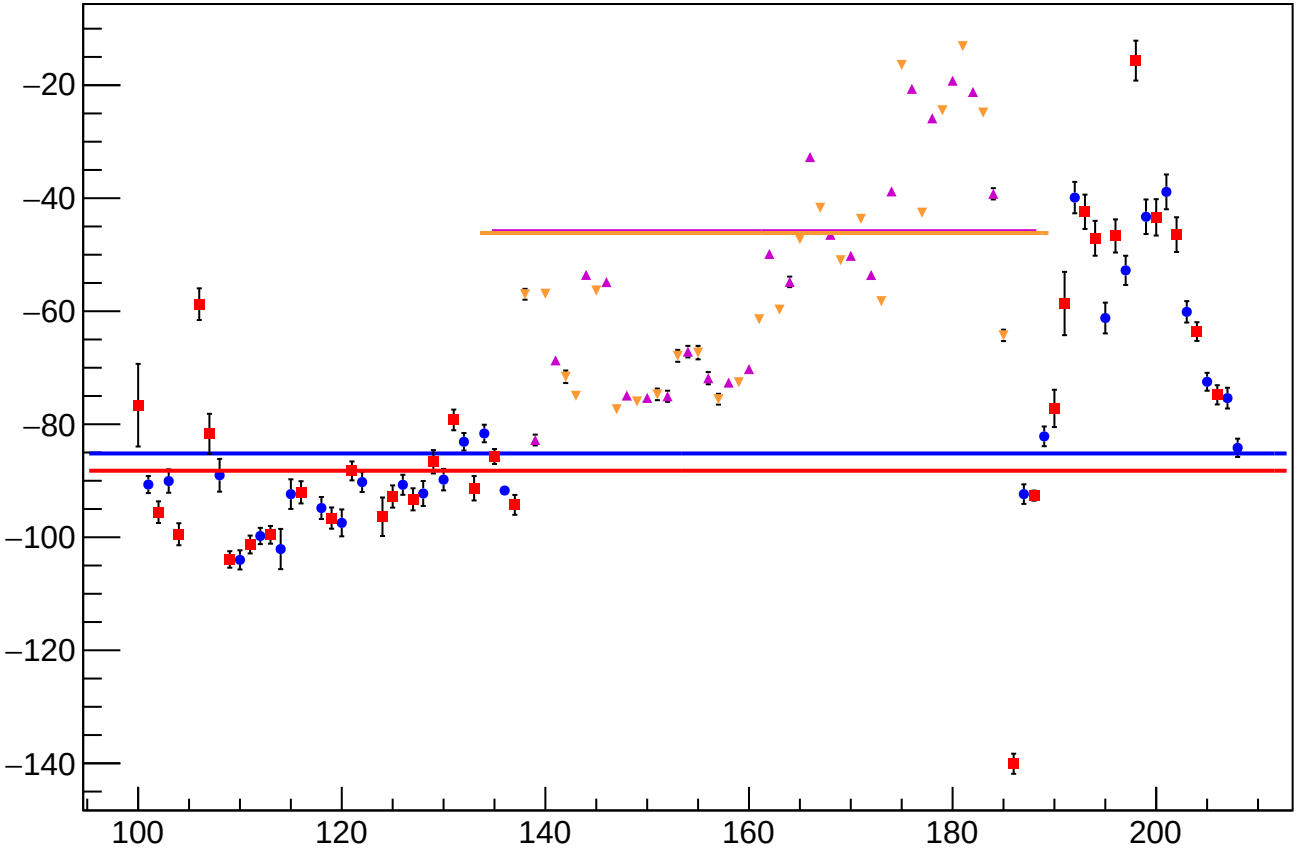
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.322+/-0.106 χ^2/NDF: 7463.5/51

All: 3.078+/-0.076 χ^2/NDF: 13285.3/105

- sign 2.823+/-0.109 χ^2/NDF: 5811.1/53

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -85.168+/-0.349 χ^2/NDF: 1627.2/26

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -88.224+/-0.350 χ^2/NDF: 3089.5/30

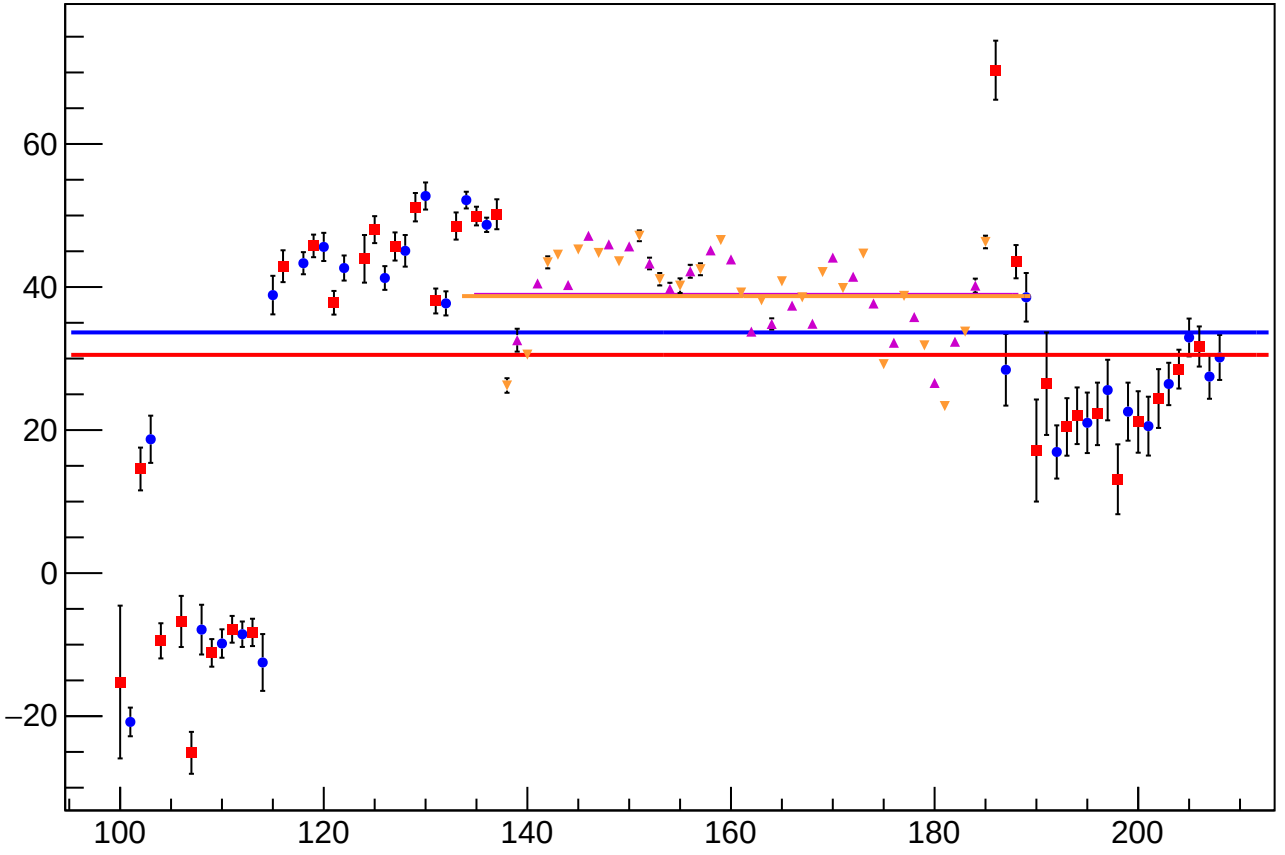
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -51.719+/-0.132 χ^2/NDF: 33791.4/51

All: -51.921+/-0.094 χ^2/NDF: 67335.3/105

- sign -52.132+/-0.135 χ^2/NDF: 33539.1/53

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 33.653+/-0.408 χ^2/NDF: 2879.7/26

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.515+/-0.428 χ^2/NDF: 3074.5/30

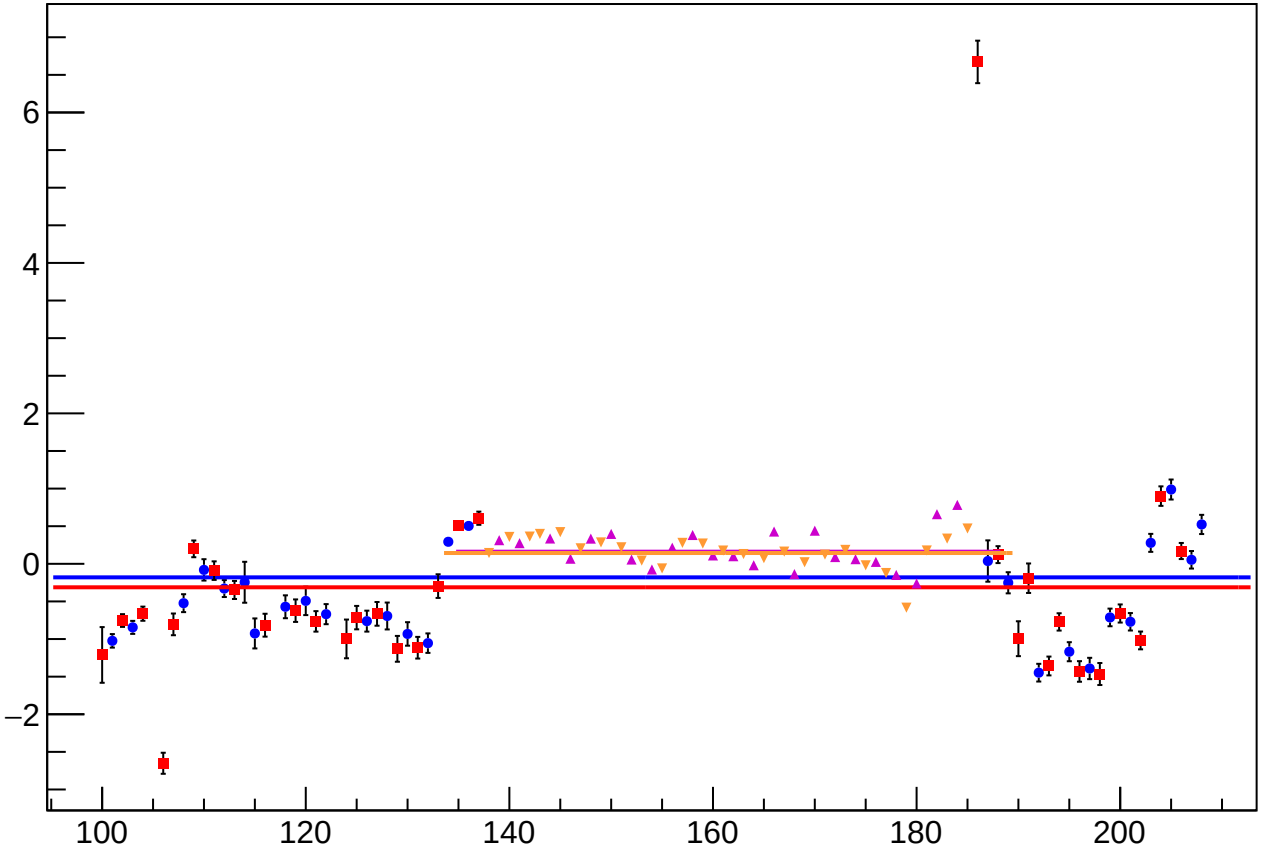
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

\+ sign 38.297+/-0.119 χ^2/NDF: 5803.2/51

All: 38.260+/-0.085 χ^2/NDF: 11202.6/105

\- sign 38.221+/-0.122 χ^2/NDF: 5399.2/53

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.180+/-0.020 χ^2/NDF: 1065.9/26

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.312+/-0.022 χ^2/NDF: 1827.2/30

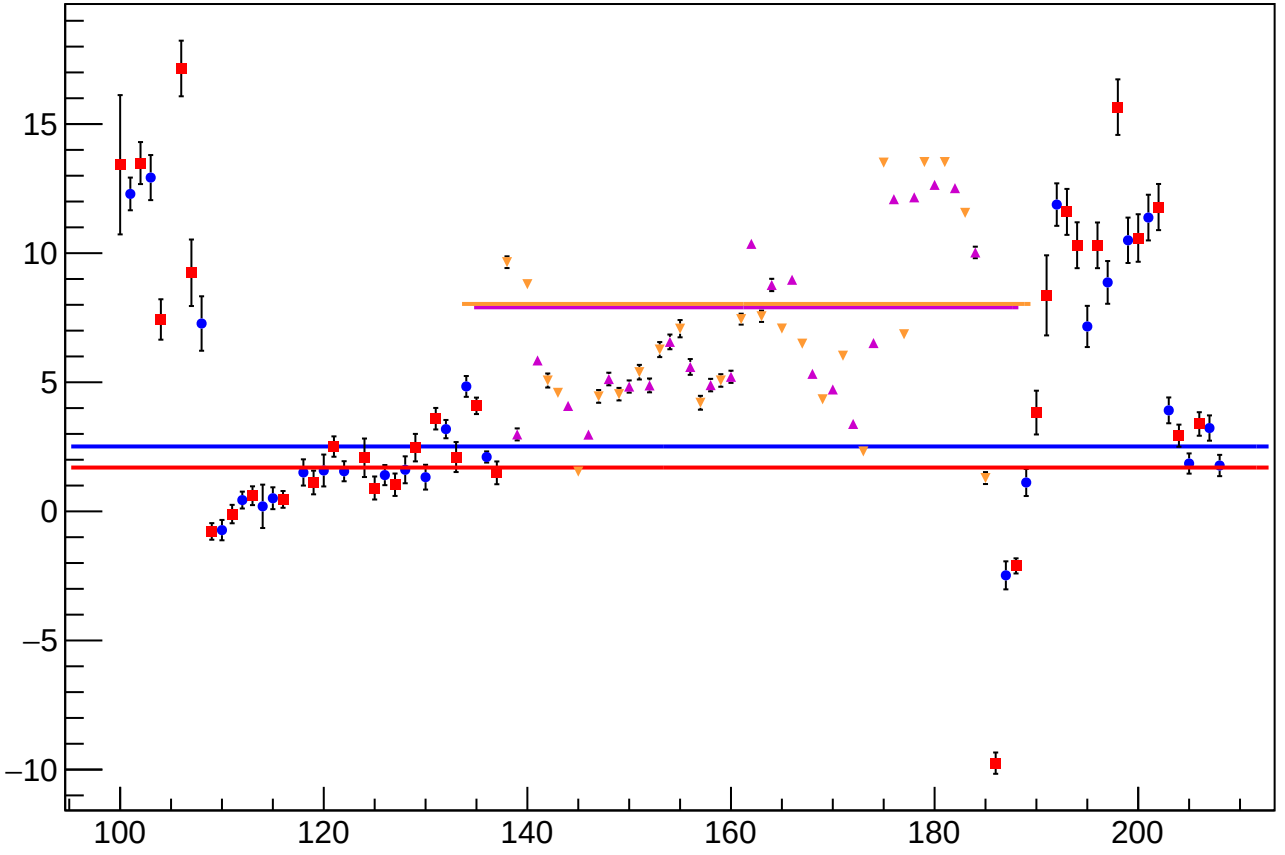
Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.121+/-0.005 χ^2/NDF: 2741.7/51

All: 0.126+/-0.004 χ^2/NDF: 6931.1/105

- sign 0.131+/-0.006 χ^2/NDF: 4187.7/53

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.514+/-0.089 χ^2/NDF: 1122.1/26

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.698+/-0.089 χ^2/NDF: 2409.0/30

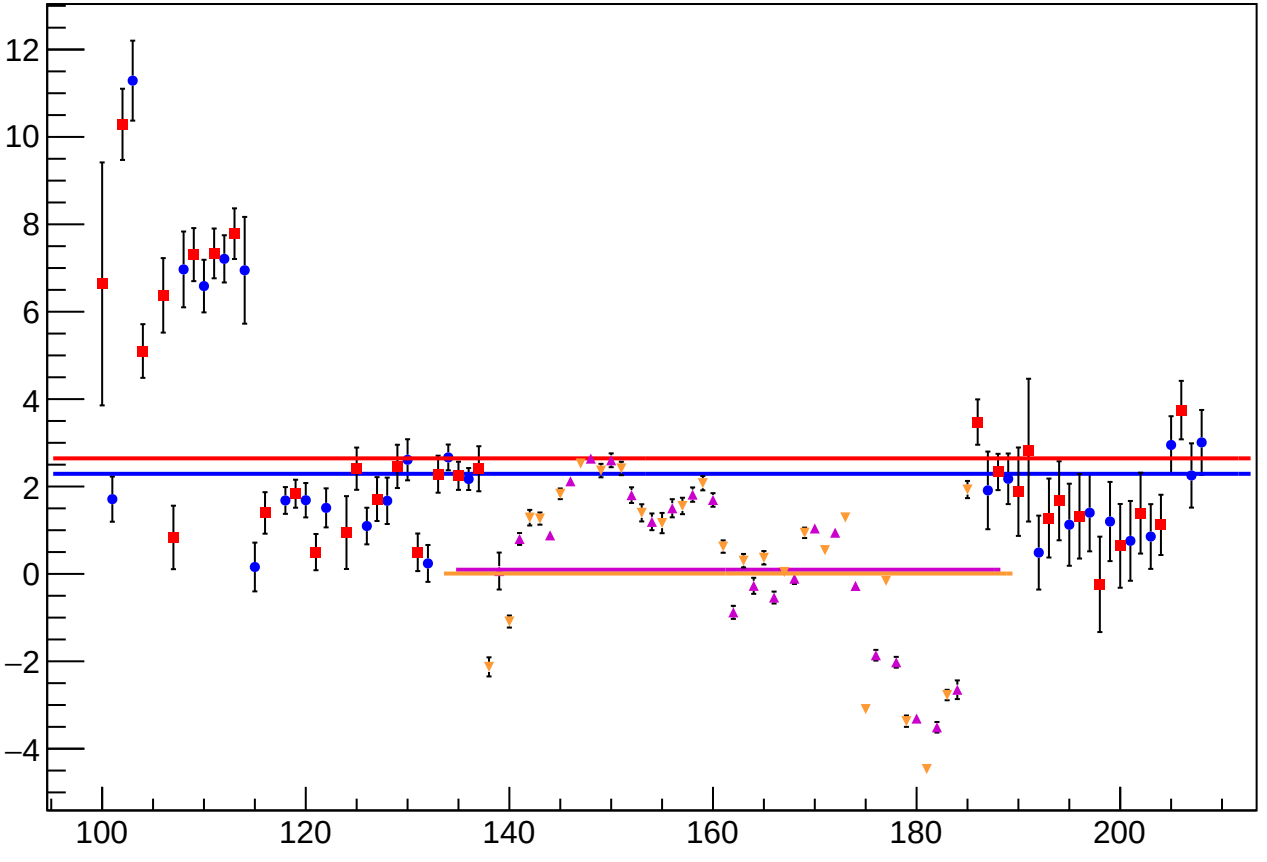
Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.309+/-0.032 χ^2/NDF: 18365.8/51

All: 7.176+/-0.023 χ^2/NDF: 35019.8/105

- sign 7.037+/-0.033 χ^2/NDF: 16619.6/53

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.291+/-0.098 χ^2/NDF: 352.1/26

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.644+/-0.102 χ^2/NDF: 442.2/30

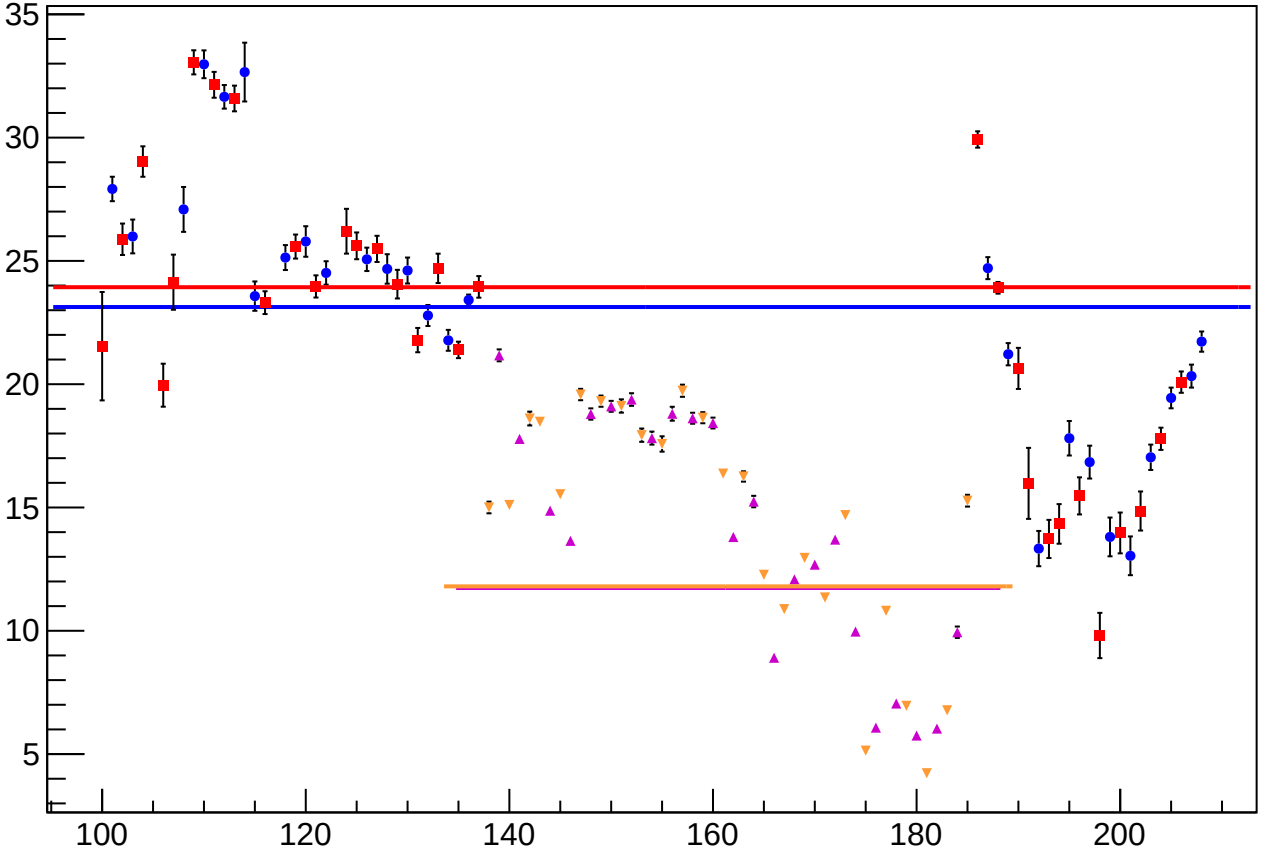
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.174+/-0.026 χ^2/NDF: 6613.1/51

All: 0.224+/-0.019 χ^2/NDF: 12076.7/105

- sign 0.276+/-0.027 χ^2/NDF: 5456.3/53

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 23.129+/-0.095 χ^2/NDF: 1839.1/26

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

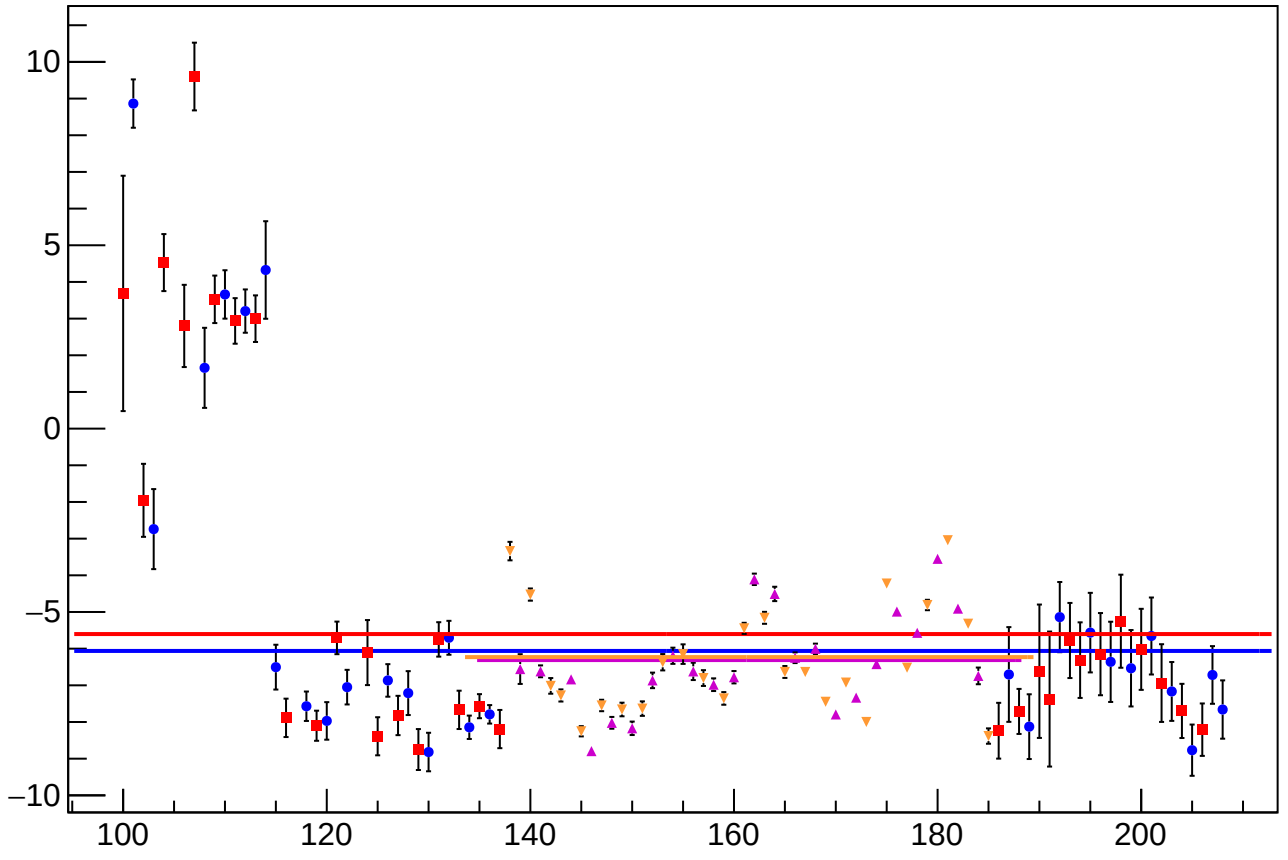
Right Out: 23.934+/-0.094 χ^2/NDF: 2619.5/30

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.156+/-0.033 χ^2/NDF: 35954.3/51

All: 13.218+/-0.023 χ^2/NDF: 71312.9/105

- sign 13.284+/-0.033 χ^2/NDF: 35351.2/53



Right In: -6.062+/-0.110 χ^2/NDF: 1282.7/26

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

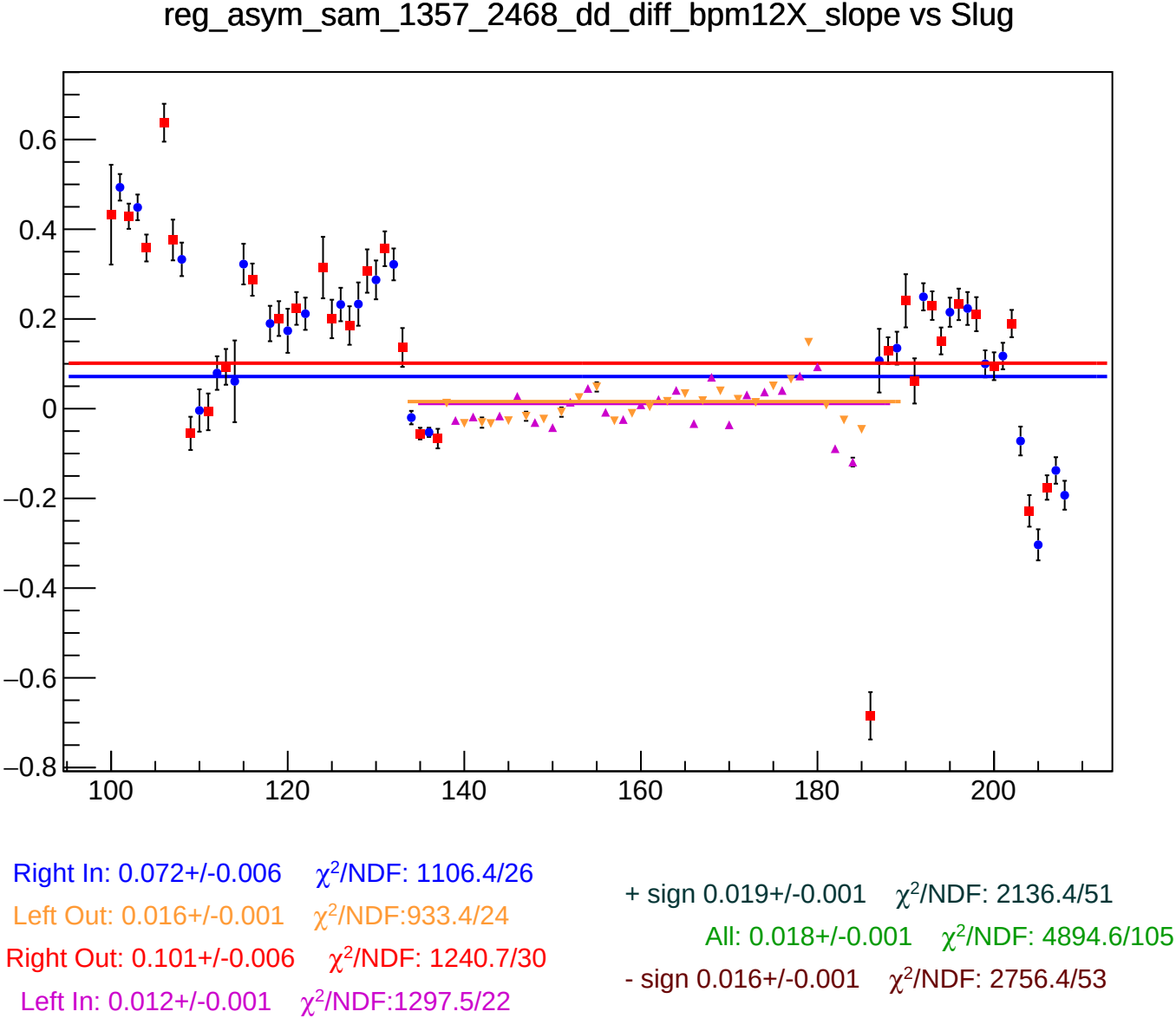
Right Out: -5.602+/-0.117 χ^2/NDF: 1349.4/30

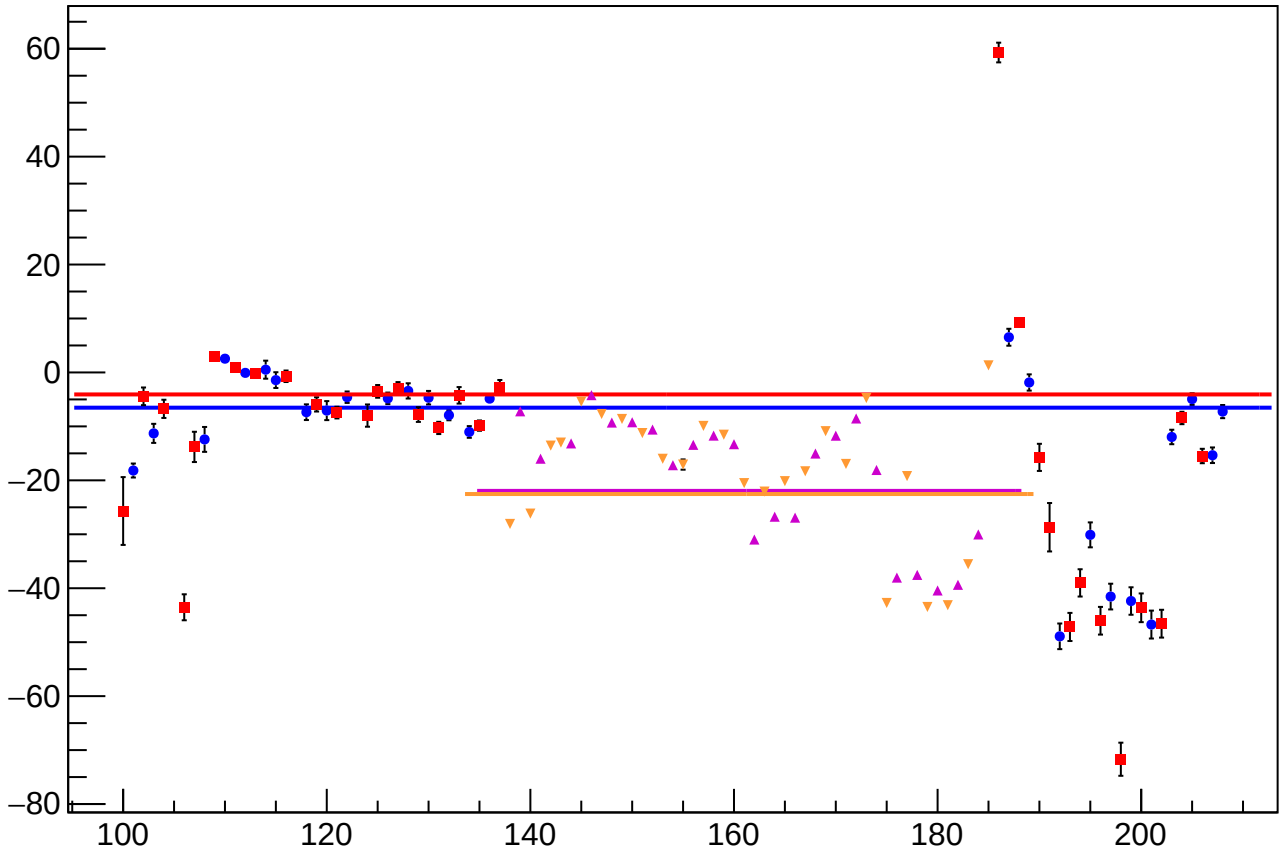
Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.218+/-0.030 χ^2/NDF: 3734.9/51

All: -6.240+/-0.021 χ^2/NDF: 7150.1/105

- sign -6.263+/-0.030 χ^2/NDF: 3414.1/53


reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.072+/-0.006 χ²/NDF: 1106.4/26
Left Out: 0.016+/-0.001 χ²/NDF:933.4/24
Right Out: 0.101+/-0.006 χ²/NDF: 1240.7/30
Left In: 0.012+/-0.001 χ²/NDF:1297.5/22
+ sign 0.019+/-0.001 χ²/NDF: 2136.4/51
All: 0.018+/-0.001 χ²/NDF: 4894.6/105
- sign 0.016+/-0.001 χ²/NDF: 2756.4/53



Right In: -6.532+/-0.235 χ^2/NDF: 1602.6/26

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -4.078+/-0.230 χ^2/NDF: 3907.3/30

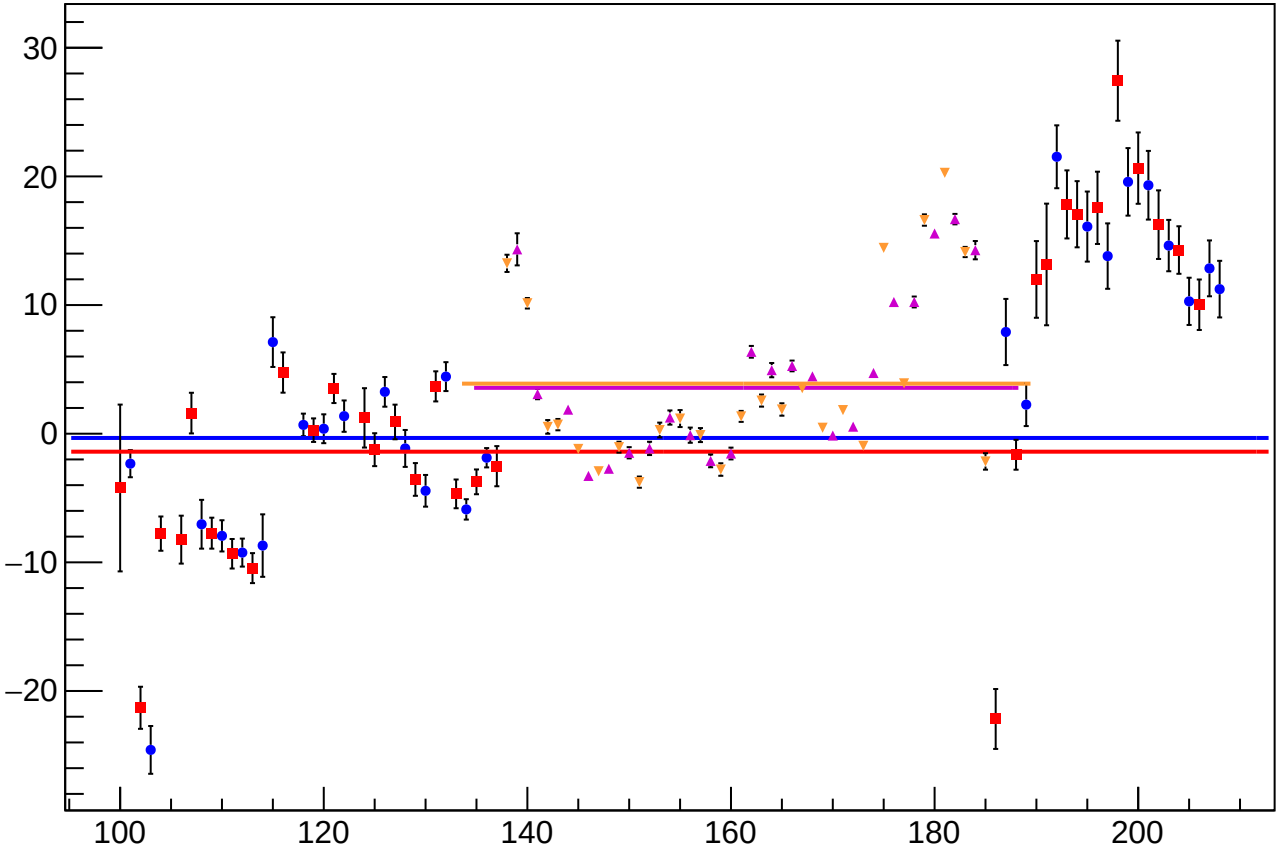
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.740+/-0.098 χ^2/NDF: 21975.6/51

All: -19.170+/-0.070 χ^2/NDF: 43426.3/105

- sign -18.577+/-0.100 χ^2/NDF: 21382.0/53

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -0.331+/-0.263 χ^2/NDF: 841.5/26

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

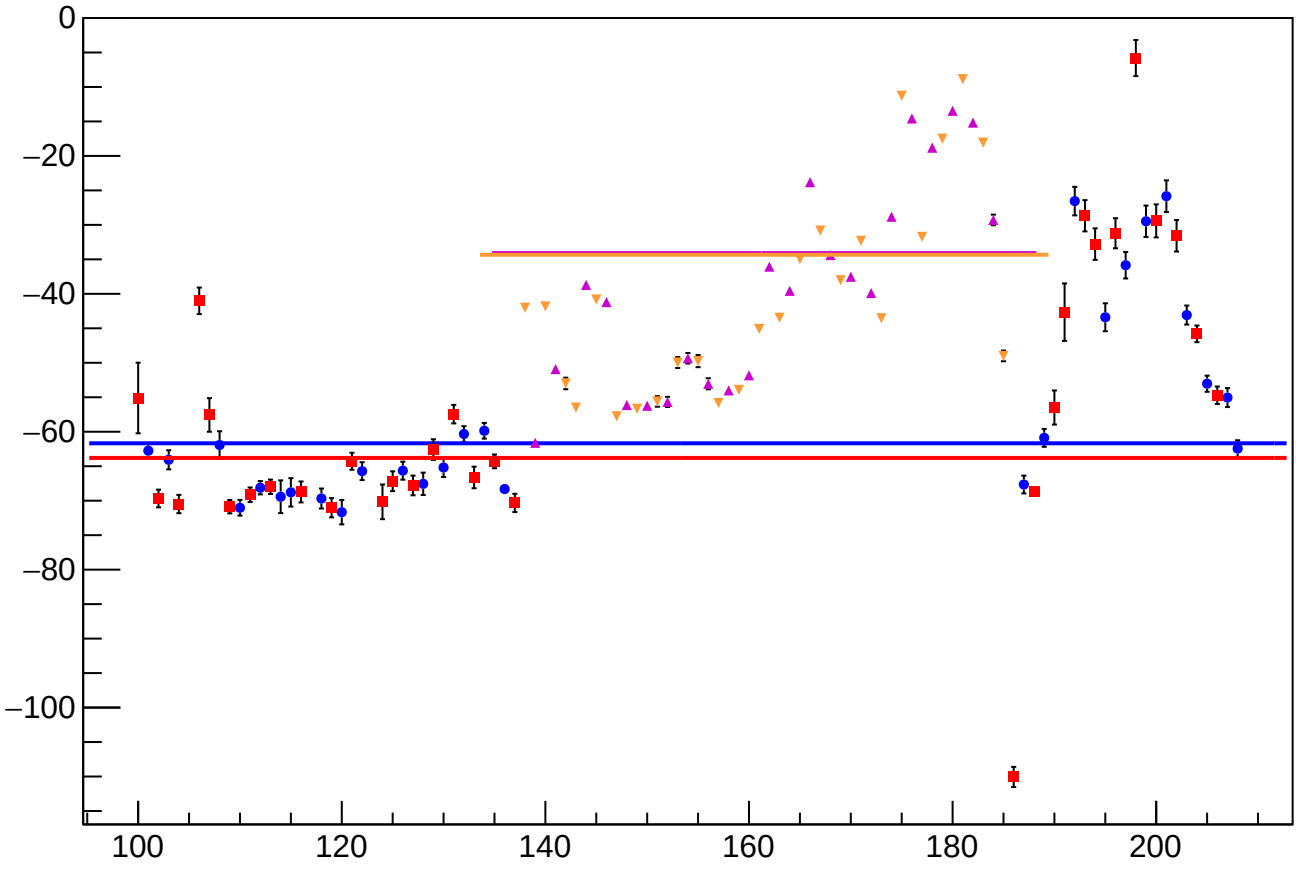
Right Out: -1.398+/-0.271 χ^2/NDF: 960.6/30

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.498+/-0.080 χ^2/NDF: 7799.5/51

All: 3.308+/-0.057 χ^2/NDF: 13816.0/105

- sign 3.109+/-0.082 χ^2/NDF: 6005.0/53



Right In: -61.675+/-0.253 χ^2/NDF: 1623.5/26

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -63.797+/-0.253 χ^2/NDF: 3300.6/30

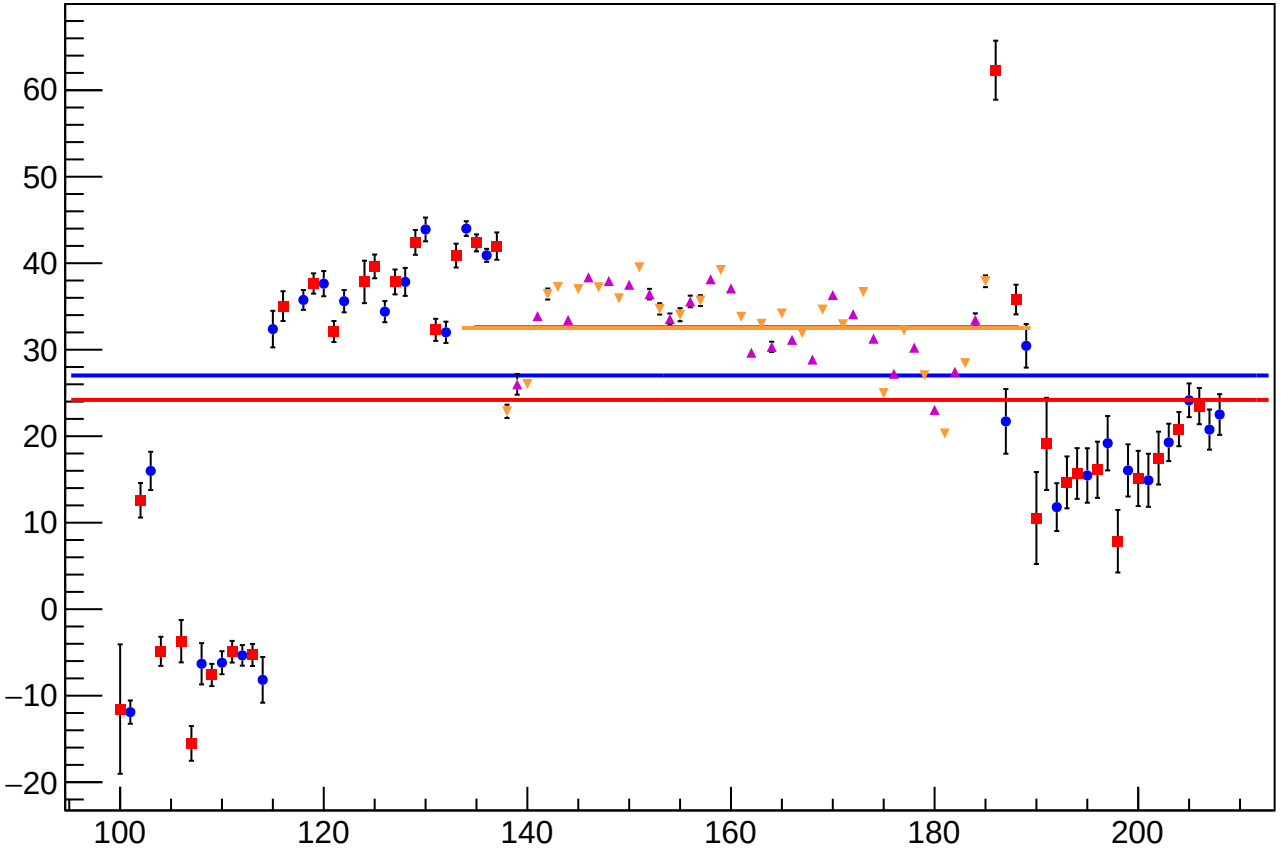
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.560+/-0.100 χ^2/NDF: 32680.1/51

All: -38.718+/-0.071 χ^2/NDF: 65273.5/105

- sign -38.882+/-0.102 χ^2/NDF: 32588.3/53

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 27.020+/-0.296 χ^2/NDF: 3847.9/26

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.196+/-0.309 χ^2/NDF: 4080.7/30

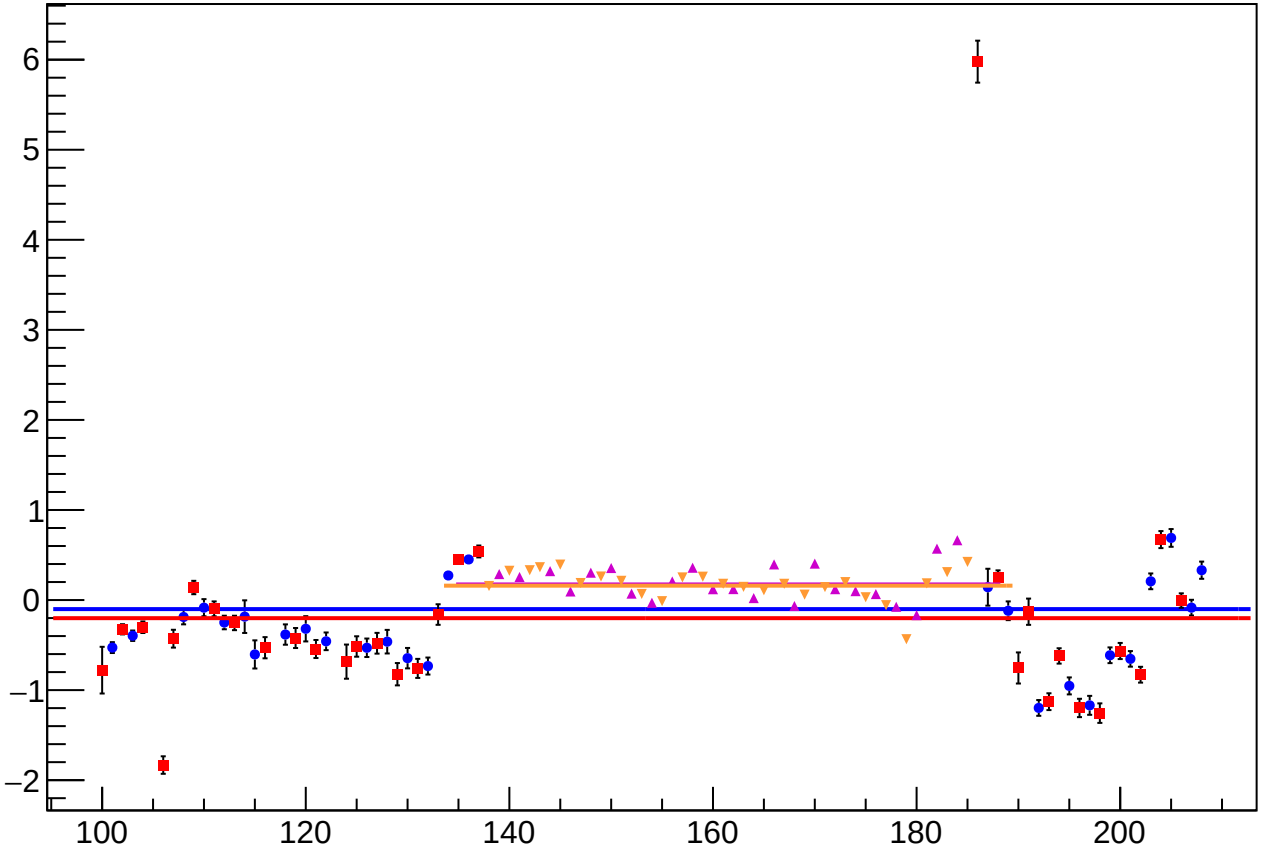
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.004+/-0.090 χ^2/NDF: 7097.6/51

All: 31.928+/-0.064 χ^2/NDF: 13865.3/105

- sign 31.849+/-0.092 χ^2/NDF: 6766.2/53

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.101+/-0.015 χ^2/NDF: 1130.9/26

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.201+/-0.016 χ^2/NDF: 2046.3/30

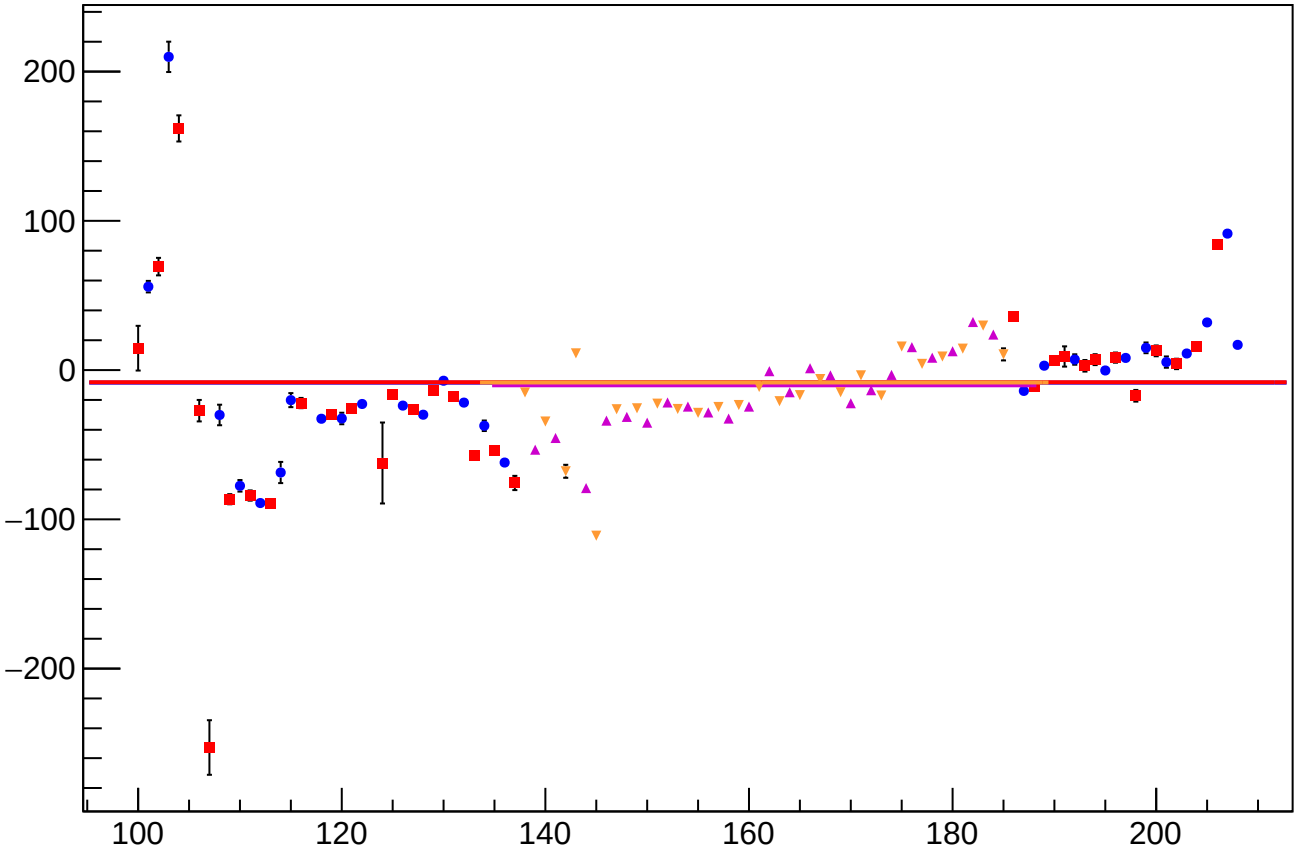
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.140+/-0.004 χ^2/NDF: 3027.0/51

All: 0.143+/-0.003 χ^2/NDF: 7728.9/105

- sign 0.147+/-0.004 χ^2/NDF: 4700.5/53

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -8.411+/-0.587 χ^2/NDF: 4431.6/26

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -8.140+/-0.546 χ^2/NDF: 5412.5/30

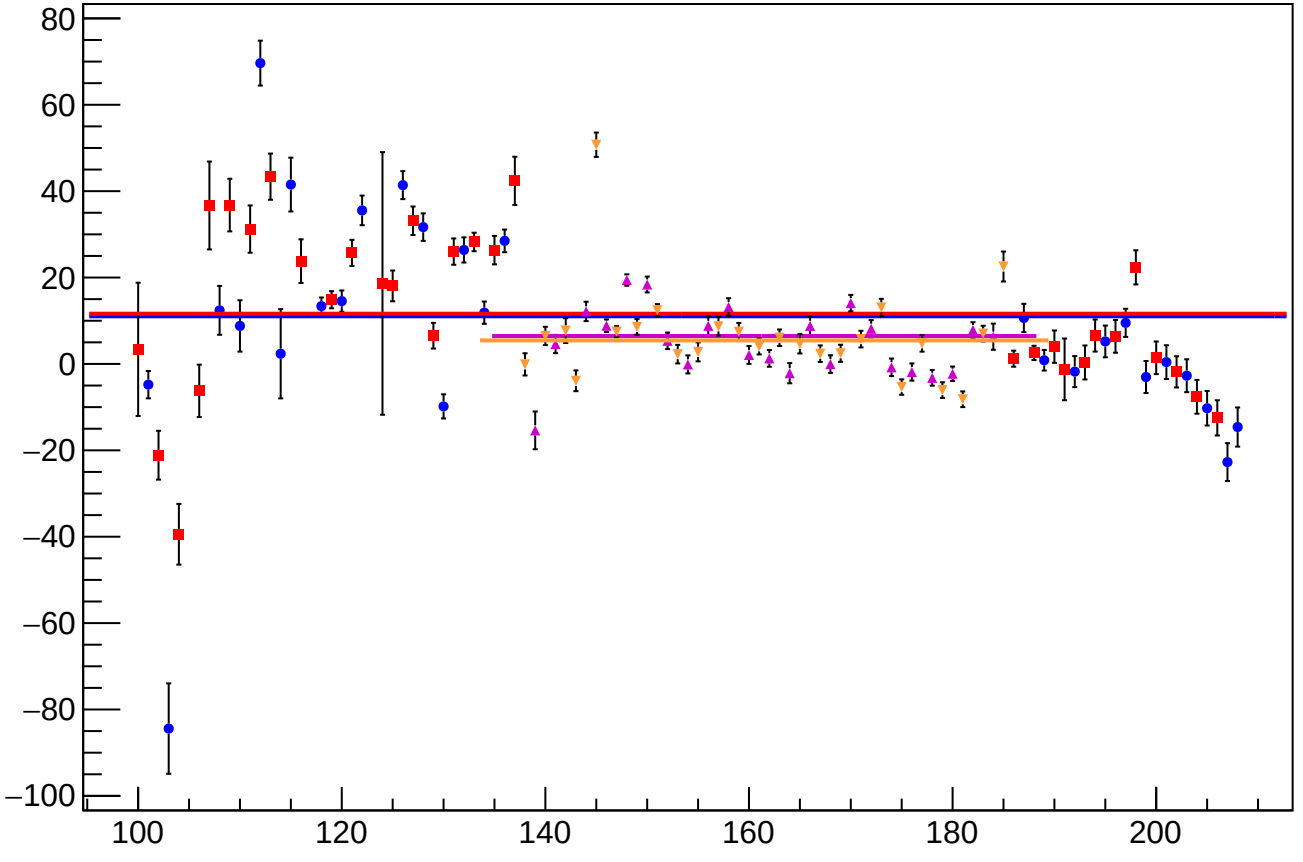
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -8.347+/-0.386 χ^2/NDF: 6991.3/51

All: -8.781+/-0.270 χ^2/NDF: 14931.9/105

- sign -9.198+/-0.379 χ^2/NDF: 7938.1/53

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 11.035+/-0.651 χ^2/NDF: 760.8/26

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 11.629+/-0.618 χ^2/NDF: 546.8/30

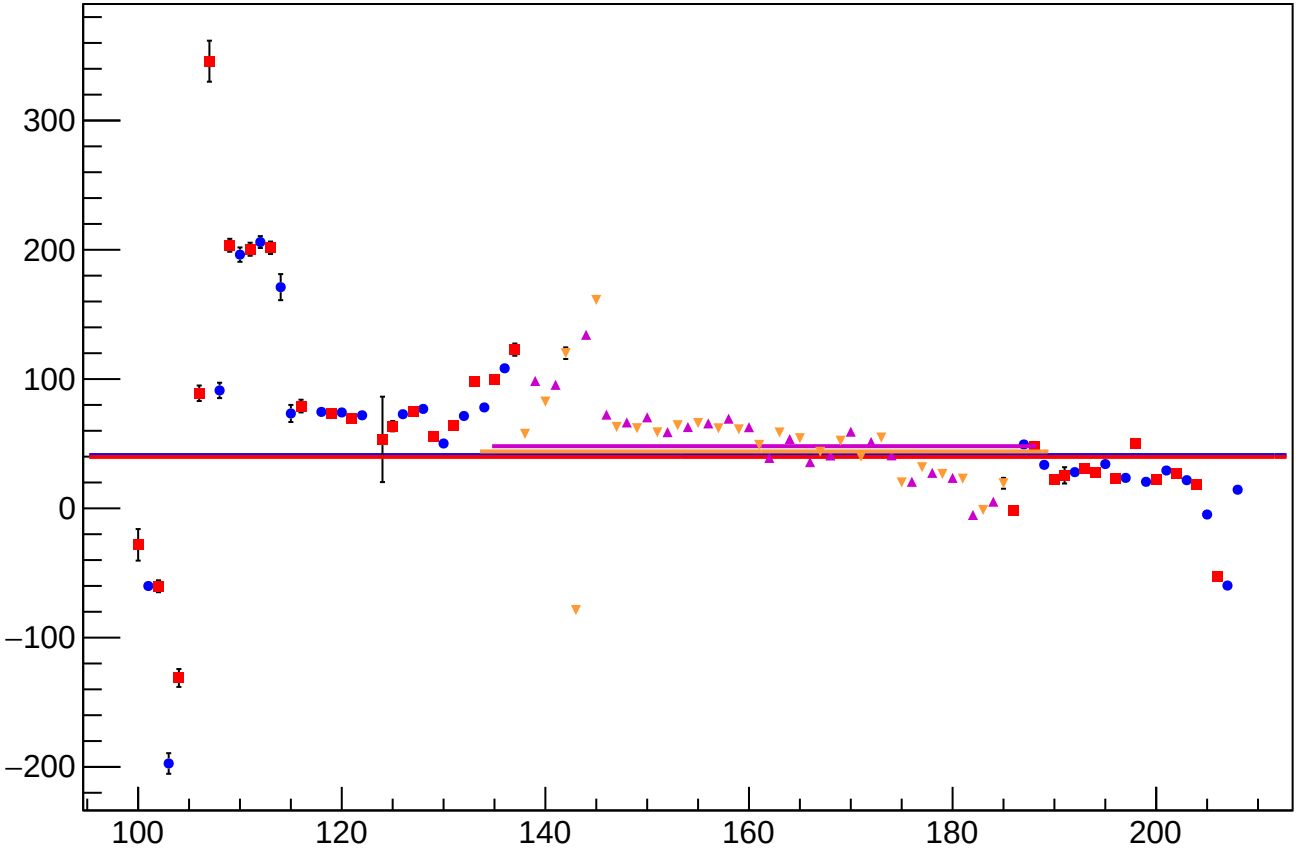
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 6.945+/-0.337 χ^2/NDF: 1308.5/51

All: 7.481+/-0.240 χ^2/NDF: 2245.1/105

- sign 8.029+/-0.341 χ^2/NDF: 931.5/53

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 41.210+/-0.577 χ^2/NDF: 7862.1/26

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 39.793+/-0.511 χ^2/NDF: 8984.2/30

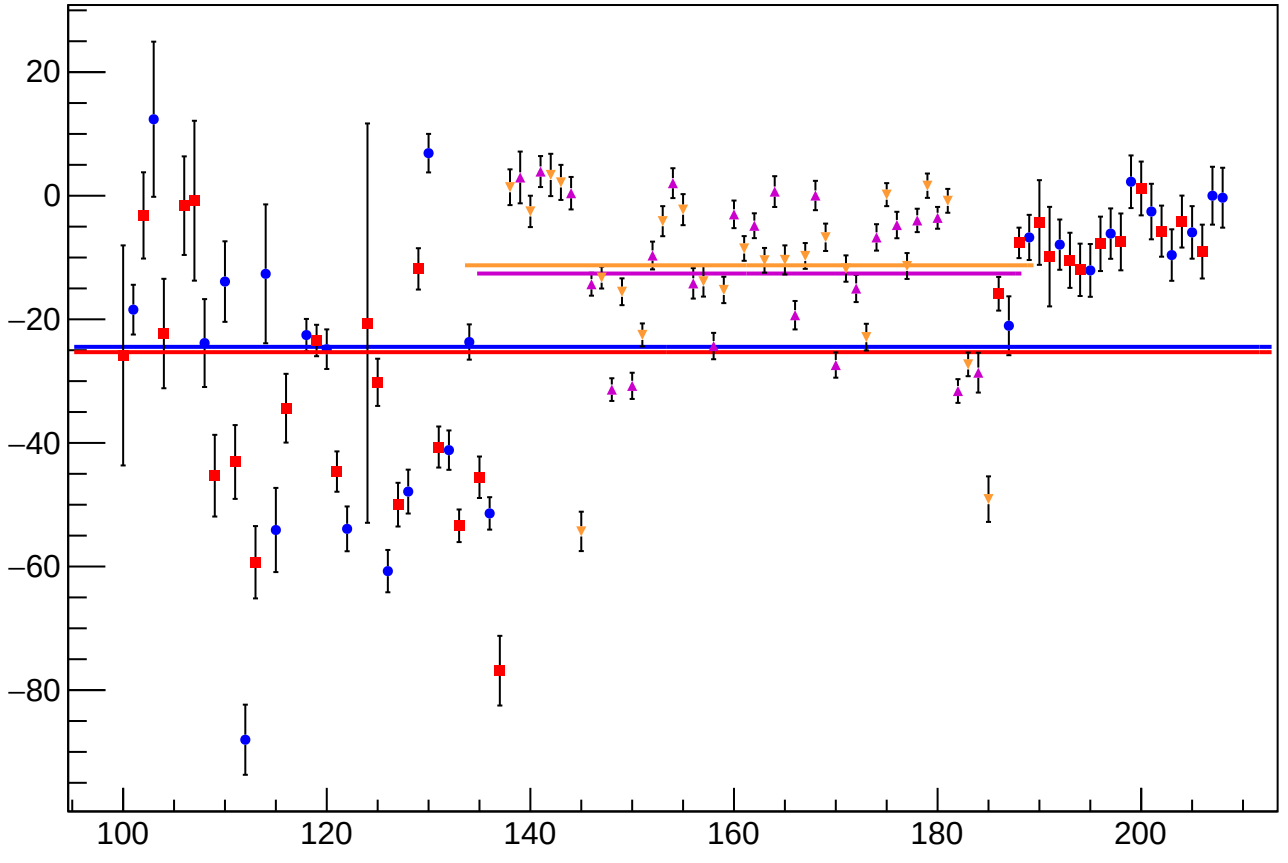
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 42.798+/-0.382 χ^2/NDF: 12439.5/51

All: 43.348+/-0.264 χ^2/NDF: 24933.0/105

- sign 43.850+/-0.365 χ^2/NDF: 12489.6/53

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -24.455+/-0.761 χ^2/NDF: 831.5/26

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -25.313+/-0.751 χ^2/NDF: 660.9/30

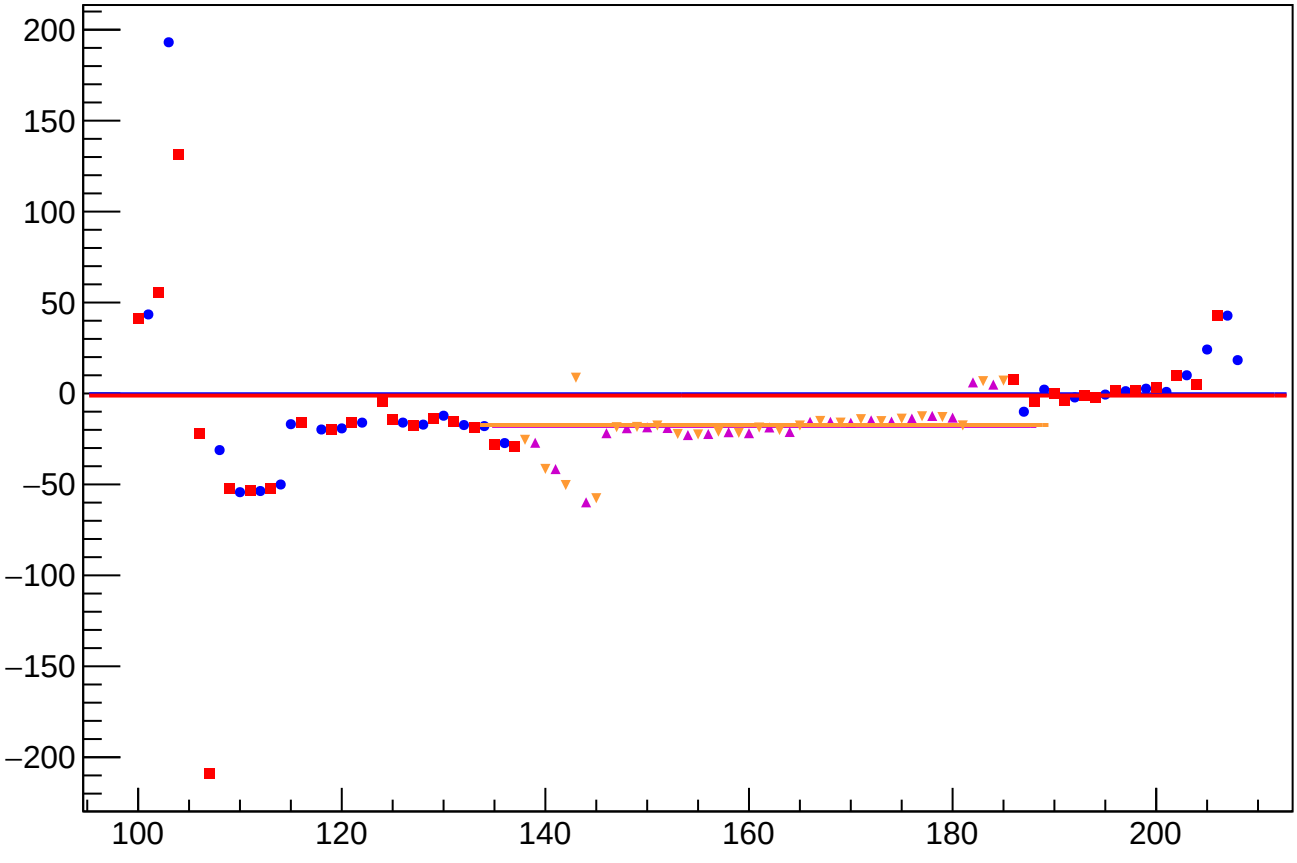
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

\+ sign -14.621+/-0.384 χ^2/NDF: 1698.8/51

All: -15.321+/-0.274 χ^2/NDF: 3247.5/105

\- sign -16.049+/-0.392 χ^2/NDF: 1541.9/53

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.427+/-0.036 χ^2/NDF: 643310.9/26

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -1.138+/-0.035 χ^2/NDF: 570005.9/30

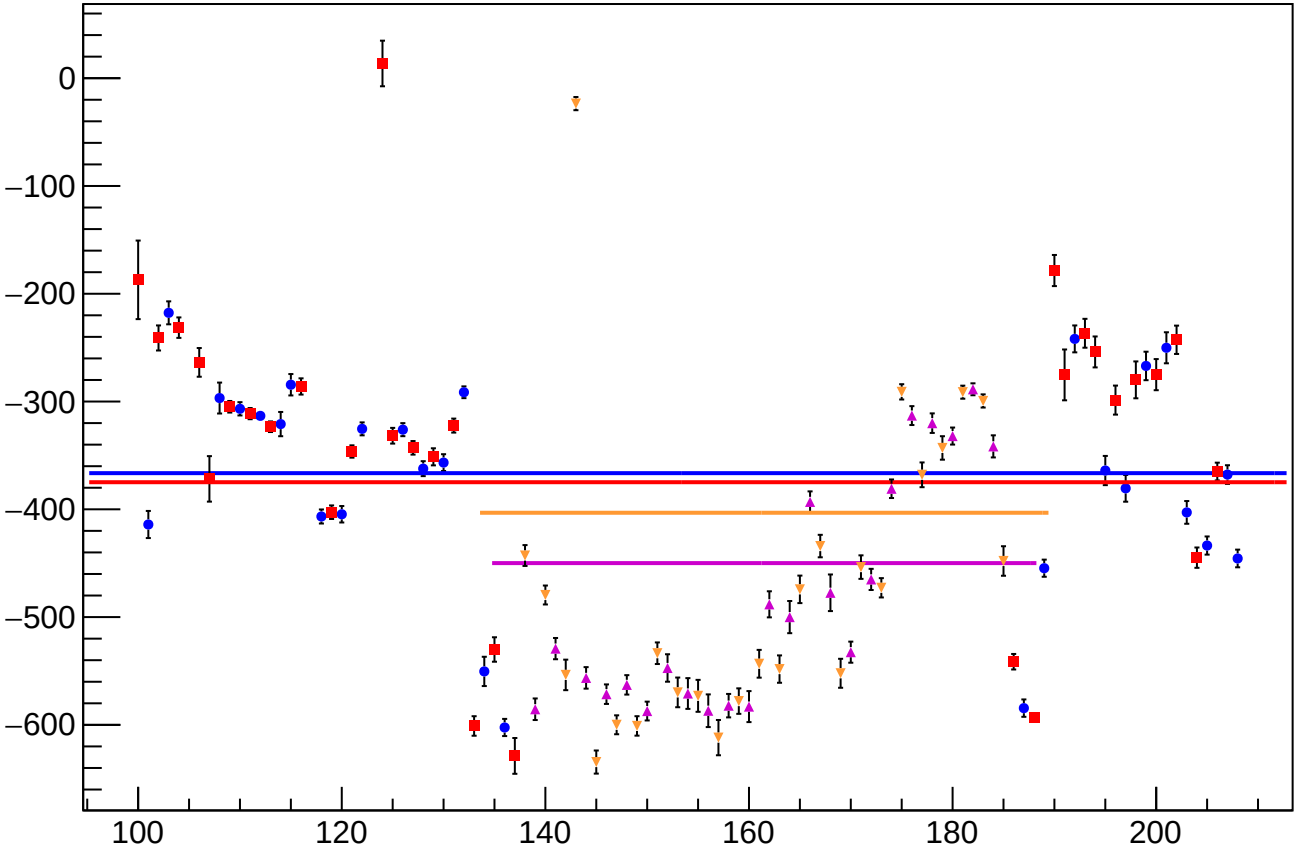
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -13.298+/-0.017 χ^2/NDF: 1162081.1/51

All: -13.474+/-0.012 χ^2/NDF: 2169012.5/105

- sign -13.654+/-0.018 χ^2/NDF: 1006724.5/53

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -366.450+/-1.558 χ^2/NDF: 3199.9/26

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -374.859+/-1.476 χ^2/NDF: 6349.0/30

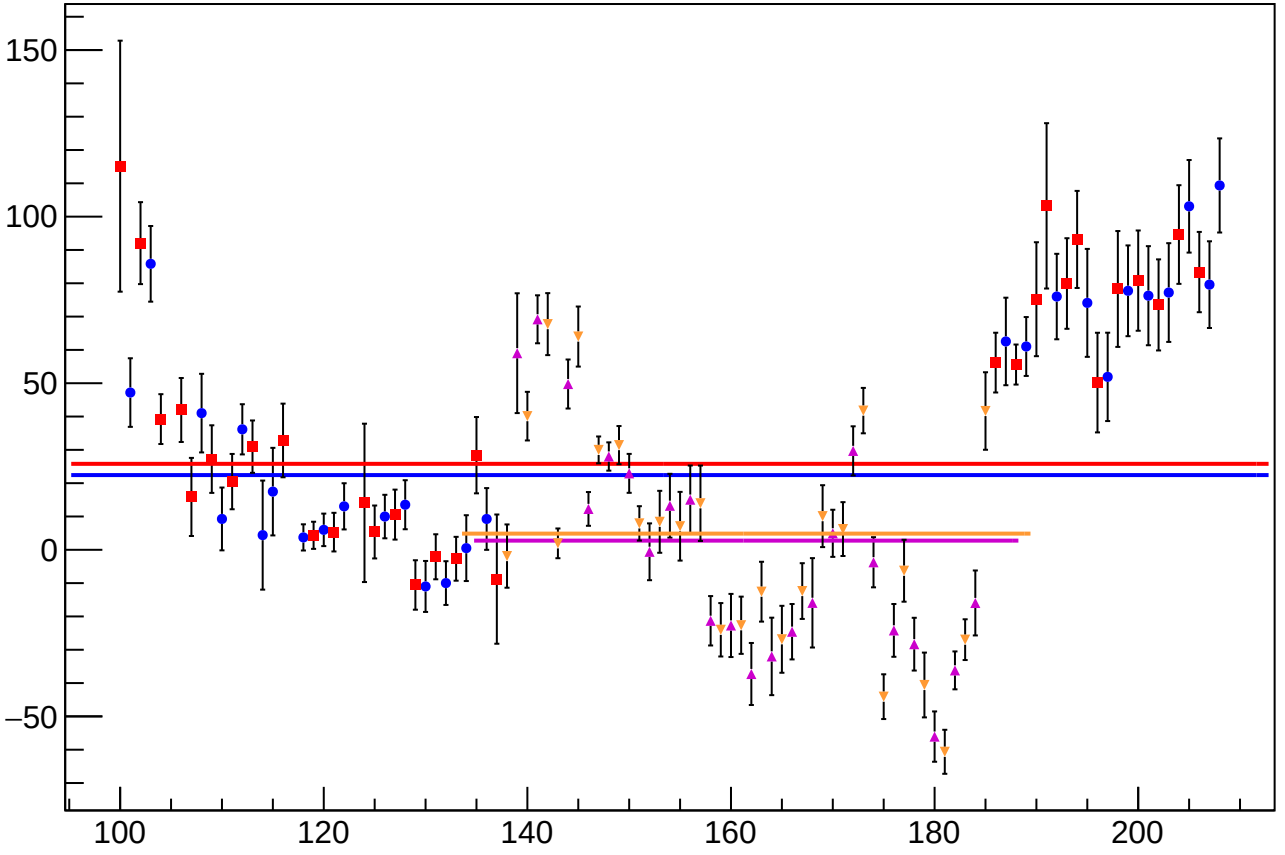
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -380.974+/-1.212 χ^2/NDF: 11170.0/51

All: -390.910+/-0.851 χ^2/NDF: 21757.2/105

- sign -400.595+/-1.196 χ^2/NDF: 10454.5/53

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 22.429+/-1.668 χ^2/NDF: 332.6/26

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 25.803+/-1.633 χ^2/NDF: 330.1/30

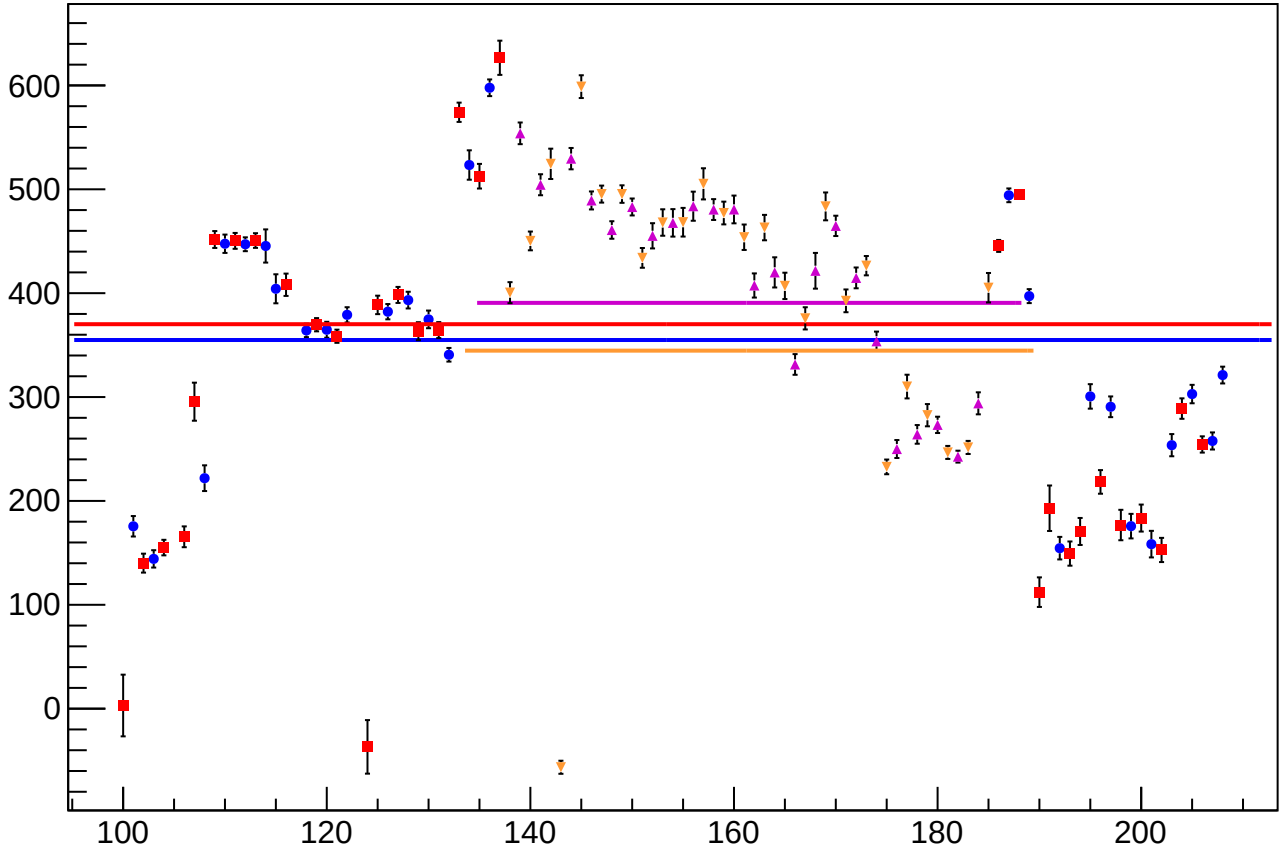
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

\+ sign 12.400+/-1.093 χ^2/NDF: 853.0/51

All: 13.037+/-0.784 χ^2/NDF: 1688.0/105

\- sign 13.713+/-1.126 χ^2/NDF: 834.2/53

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 354.911+/-1.663 χ^2/NDF: 4176.1/26

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 370.135+/-1.535 χ^2/NDF: 7208.1/30

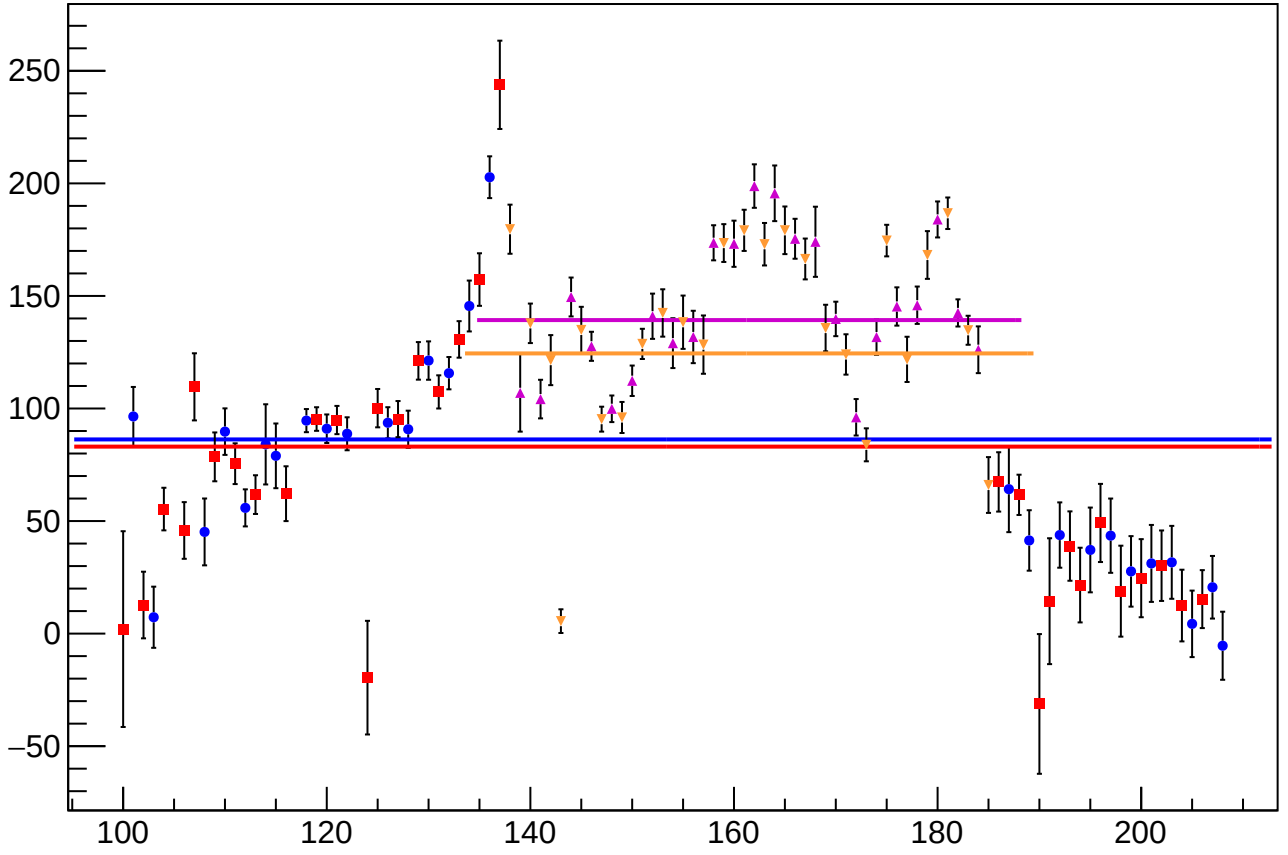
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 350.536+/-1.258 χ^2/NDF: 11470.5/51

All: 364.442+/-0.877 χ^2/NDF: 21654.4/105

- sign 377.606+/-1.224 χ^2/NDF: 9946.1/53

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 86.261+/-1.952 χ^2/NDF: 439.7/26

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 83.064+/-1.924 χ^2/NDF: 395.0/30

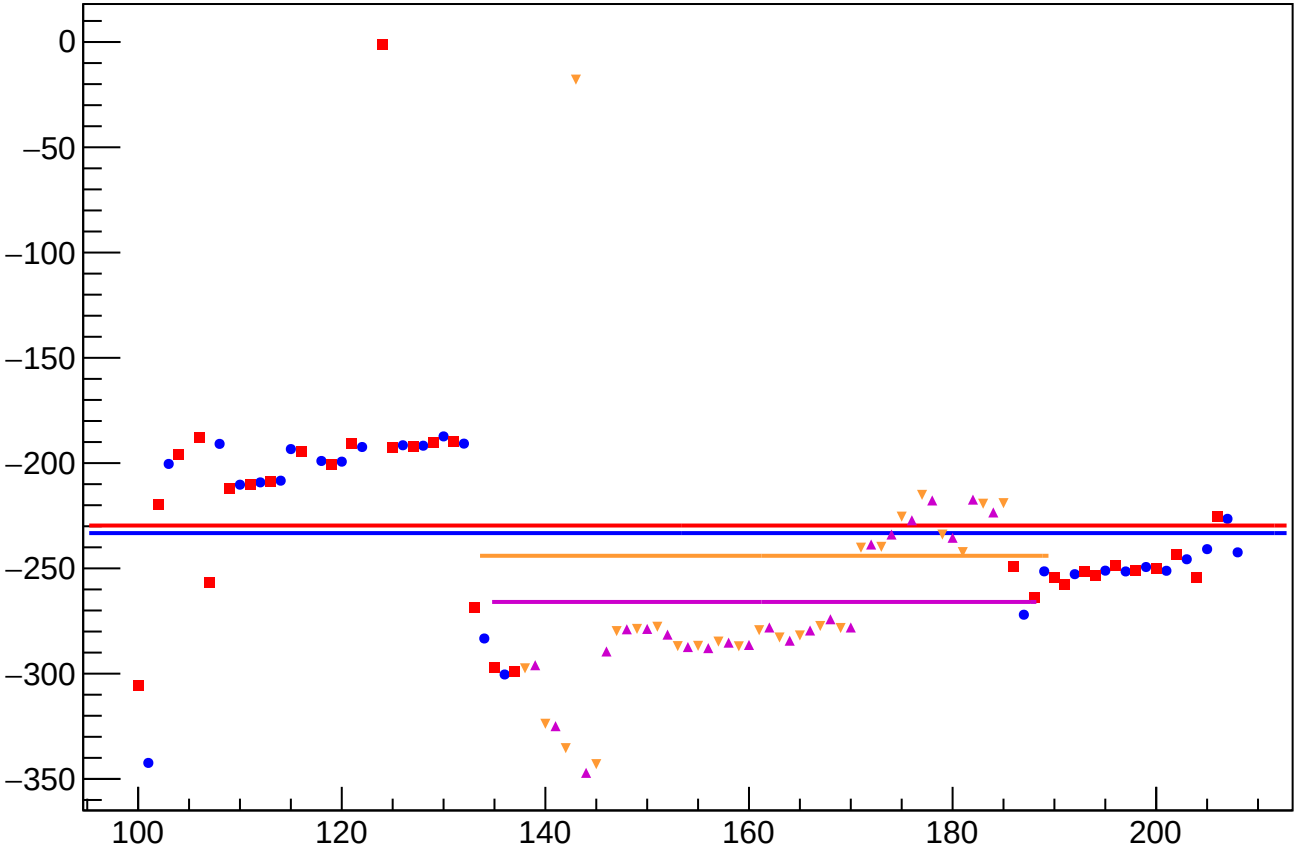
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 108.411+/-1.265 χ^2/NDF: 1599.4/51

All: 110.888+/-0.908 χ^2/NDF: 2725.7/105

- sign 113.512+/-1.302 χ^2/NDF: 1118.4/53

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -233.248+/-0.107 χ^2/NDF: 136096.1/26

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -229.650+/-0.103 χ^2/NDF: 111276.0/30

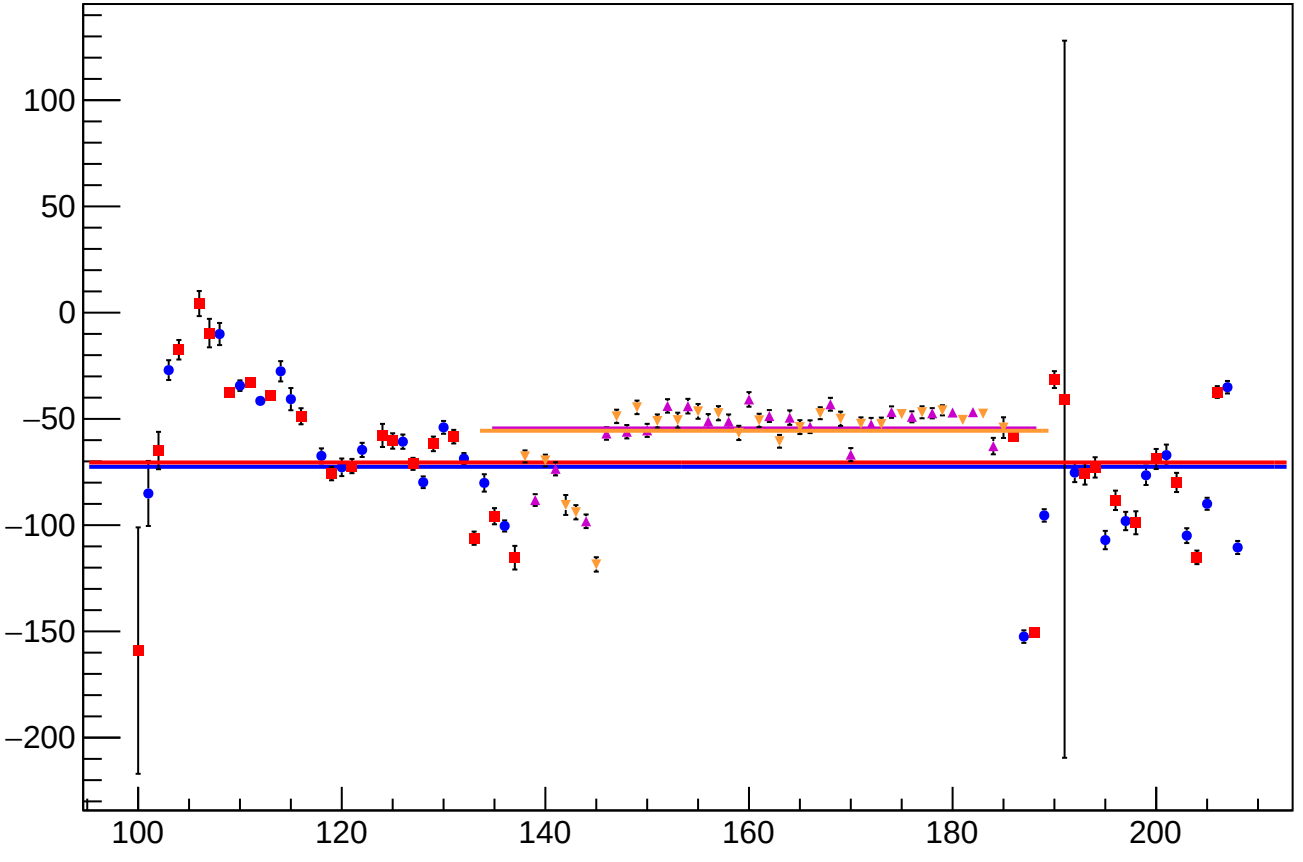
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -240.315+/-0.063 χ^2/NDF: 1140730.9/51

All: -246.174+/-0.045 χ^2/NDF: 1516750.7/10

- sign -252.183+/-0.063 χ^2/NDF: 358297.2/53

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -72.545+/-0.651 χ^2/NDF: 2323.5/26

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -70.500+/-0.597 χ^2/NDF: 4103.0/30

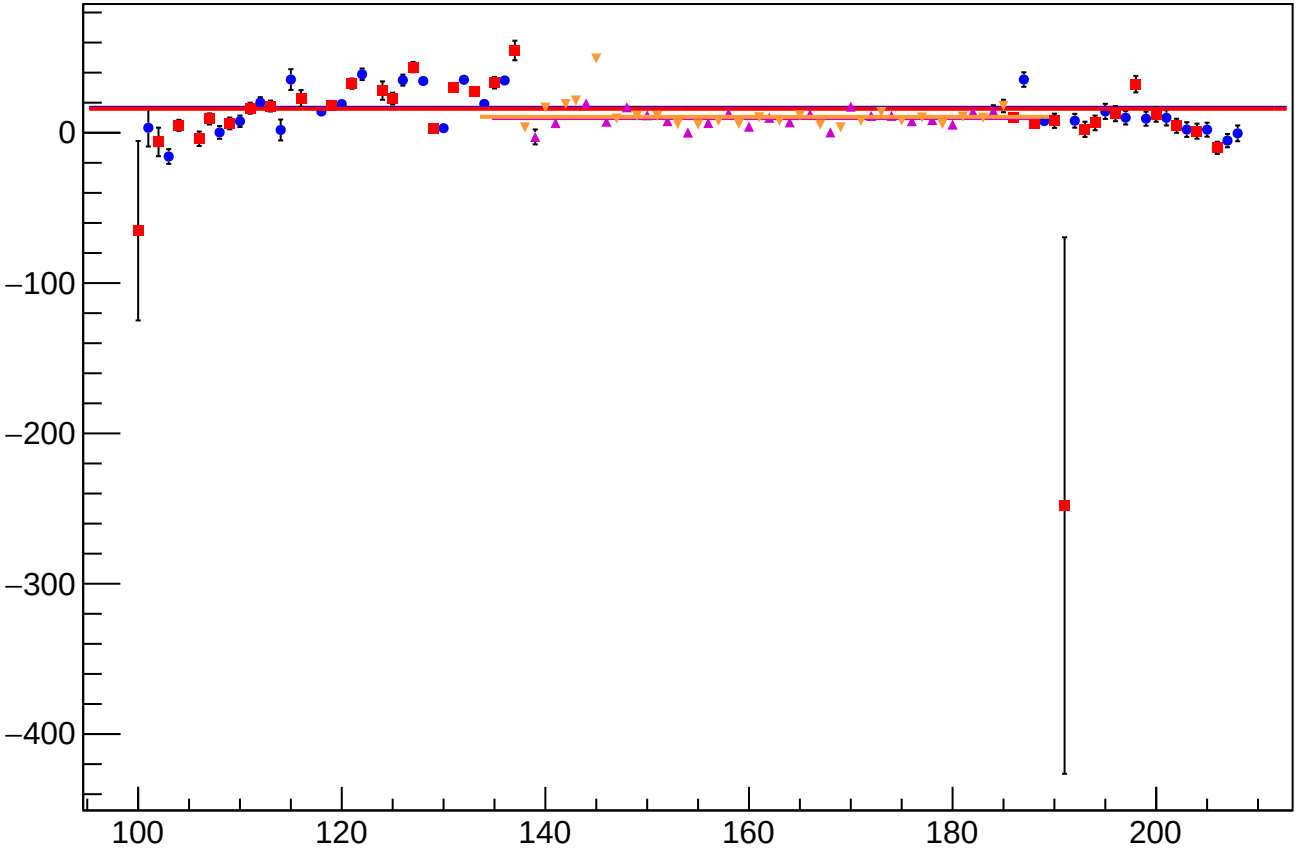
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

\+ sign -63.227+/-0.437 χ^2/NDF: 3383.0/51

All: -62.916+/-0.305 χ^2/NDF: 8341.0/105

\- sign -62.622+/-0.425 χ^2/NDF: 4957.1/53

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 16.606+/-0.733 χ^2/NDF: 347.6/26

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 15.939+/-0.679 χ^2/NDF: 361.1/30

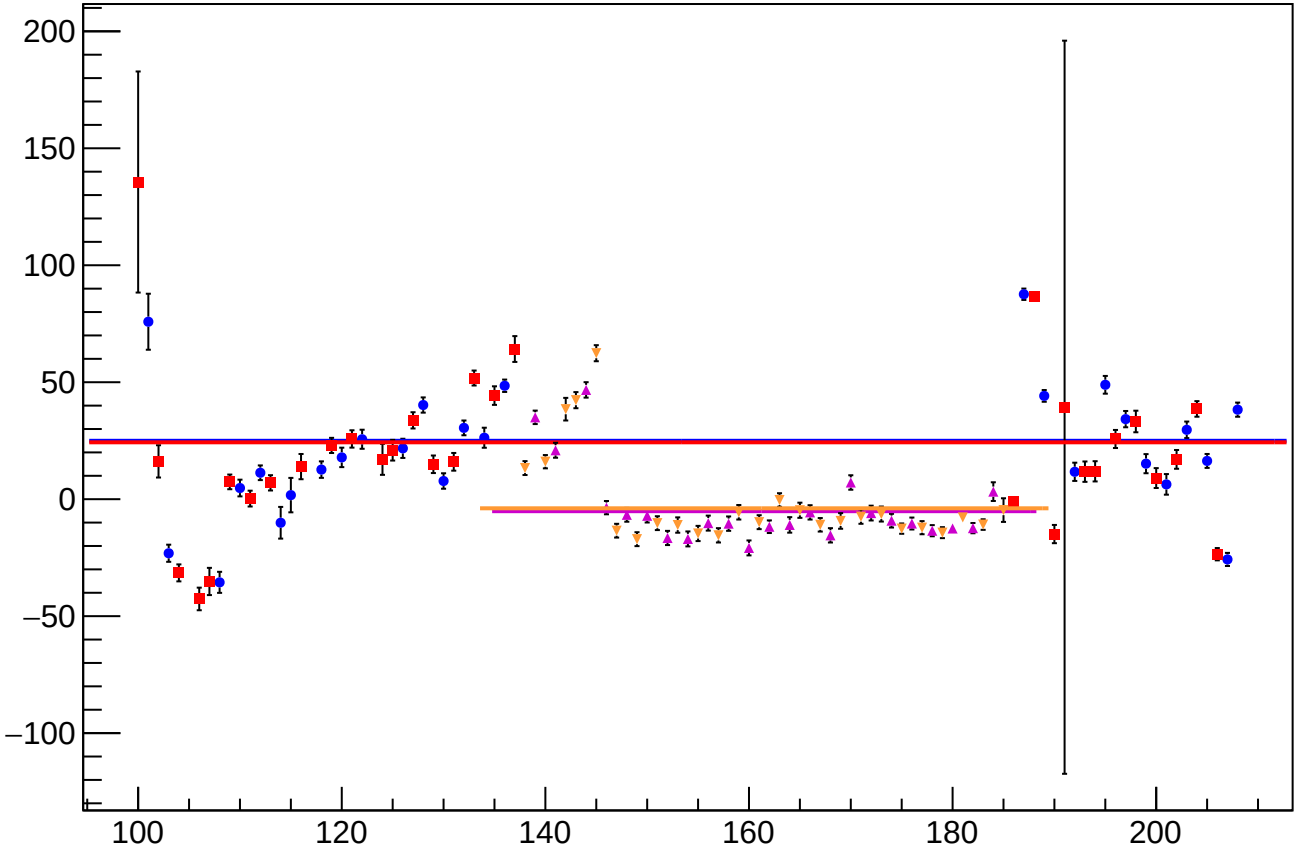
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

\+ sign 12.242+/-0.383 χ^2/NDF: 651.5/51

All: 11.995+/-0.271 χ^2/NDF: 1190.5/105

\- sign 11.747+/-0.385 χ^2/NDF: 538.2/53

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 24.958+/-0.677 χ^2/NDF: 1768.6/26

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 24.316+/-0.598 χ^2/NDF: 3665.3/30

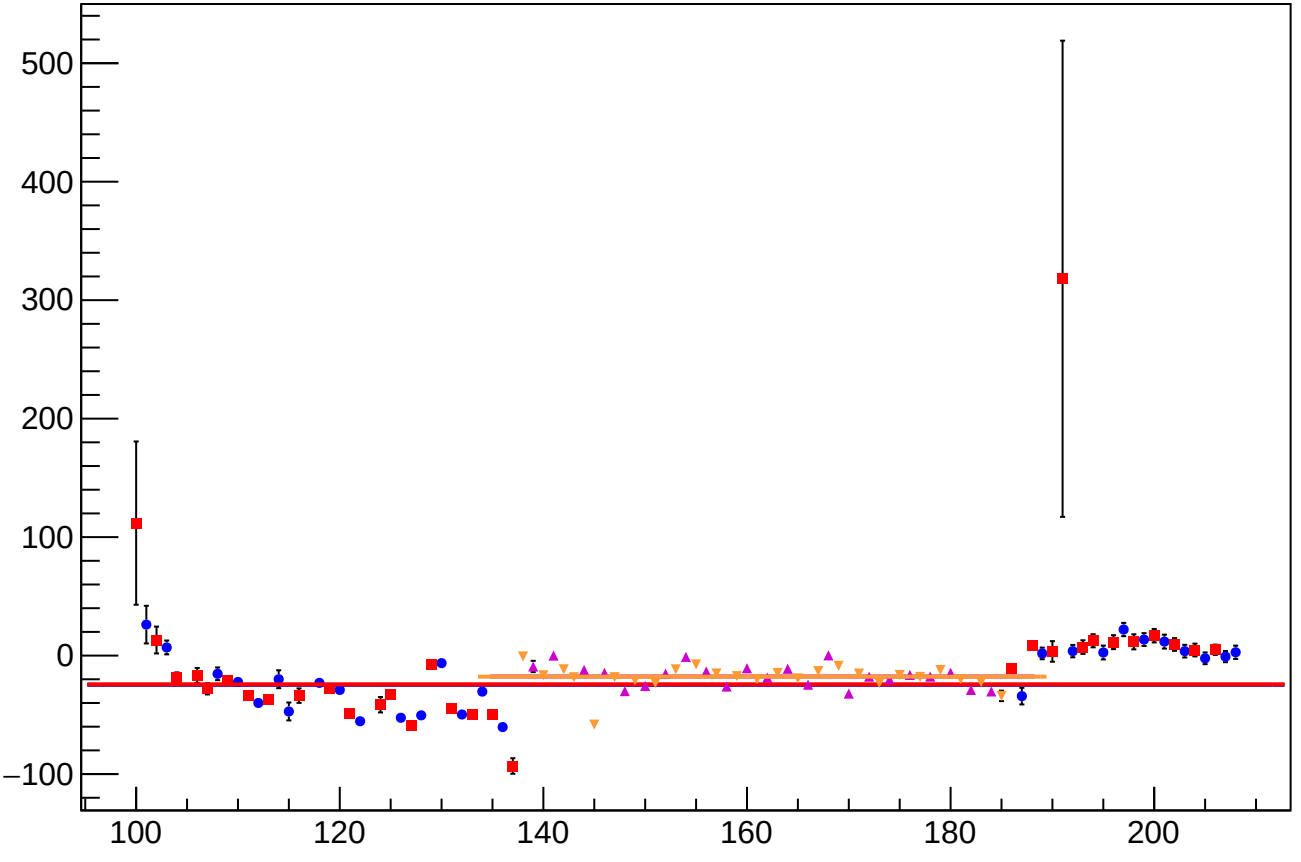
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 8.434+/-0.443 χ^2/NDF: 3658.0/51

All: 9.056+/-0.306 χ^2/NDF: 9184.4/105

- sign 9.624+/-0.424 χ^2/NDF: 5522.7/53

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -24.681+/-0.847 χ^2/NDF: 790.7/26

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -24.293+/-0.811 χ^2/NDF: 896.0/30

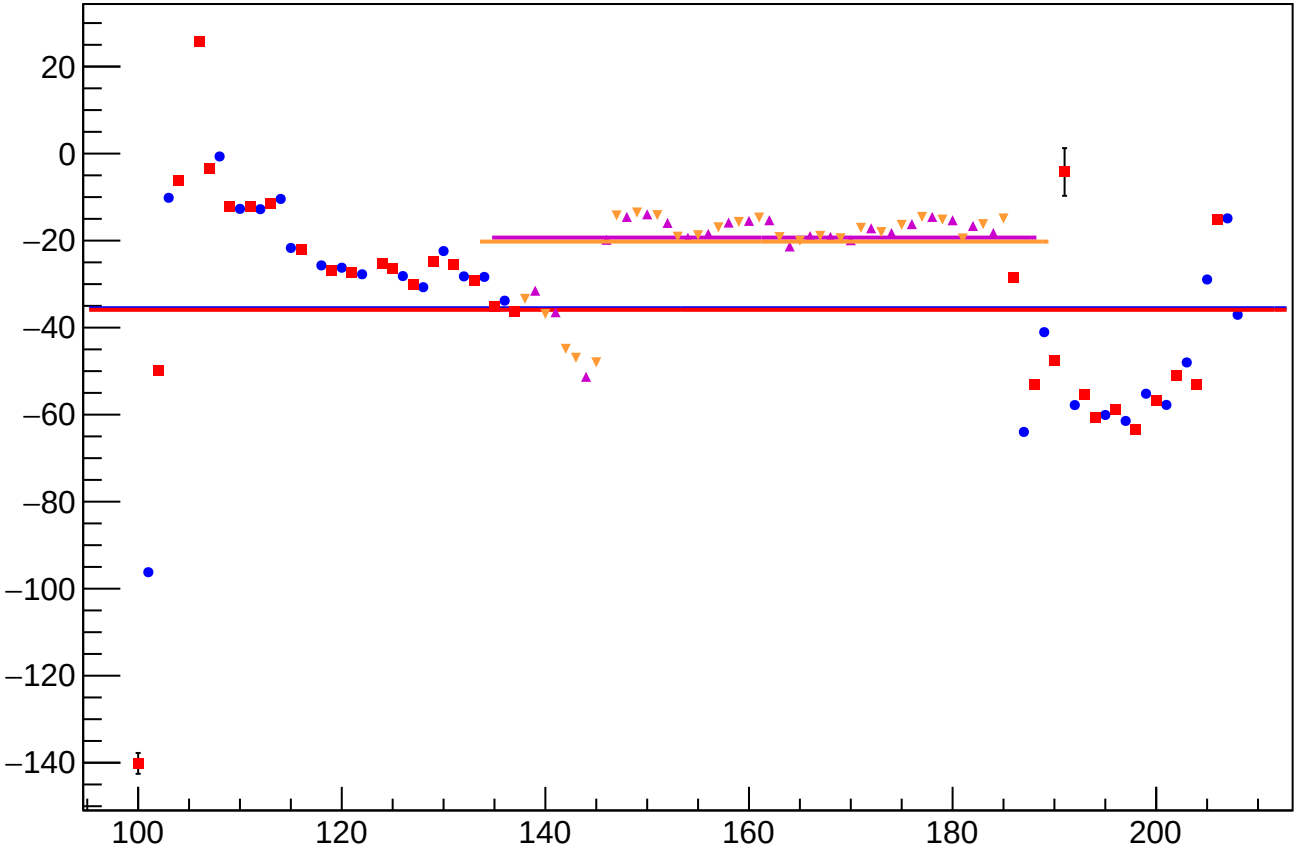
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -19.607+/-0.436 χ^2/NDF: 1091.1/51

All: -19.610+/-0.310 χ^2/NDF: 2320.3/105

- sign -19.613+/-0.441 χ^2/NDF: 1229.3/53

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -35.543+/-0.041 χ^2/NDF: 212691.0/26

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -35.906+/-0.040 χ^2/NDF: 291664.7/30

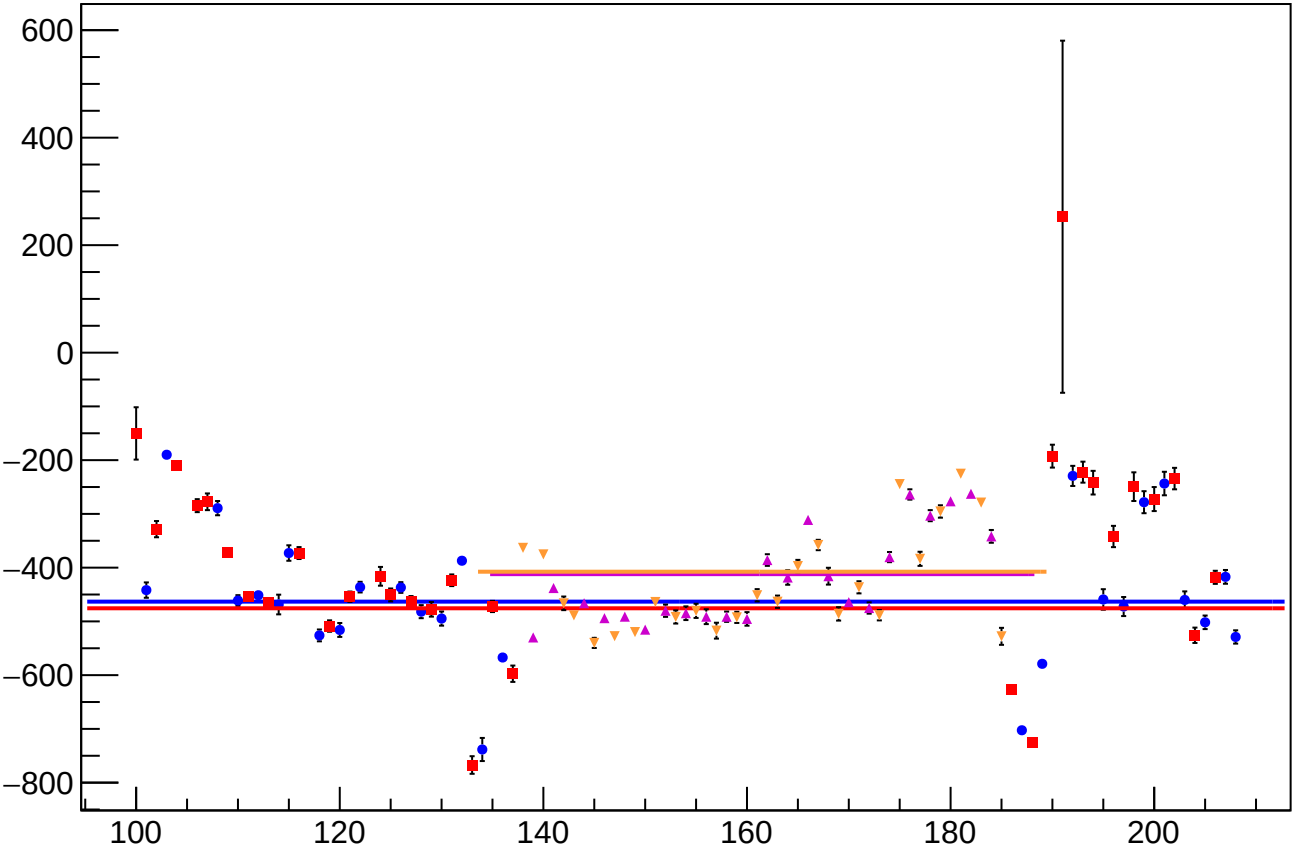
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -23.862+/-0.020 χ^2/NDF: 466627.4/51

All: -23.649+/-0.014 χ^2/NDF: 977992.5/105

- sign -23.432+/-0.020 χ^2/NDF: 511134.8/53

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -463.232+/-2.246 χ^2/NDF: 2857.5/26

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -475.625+/-2.029 χ^2/NDF: 6112.1/30

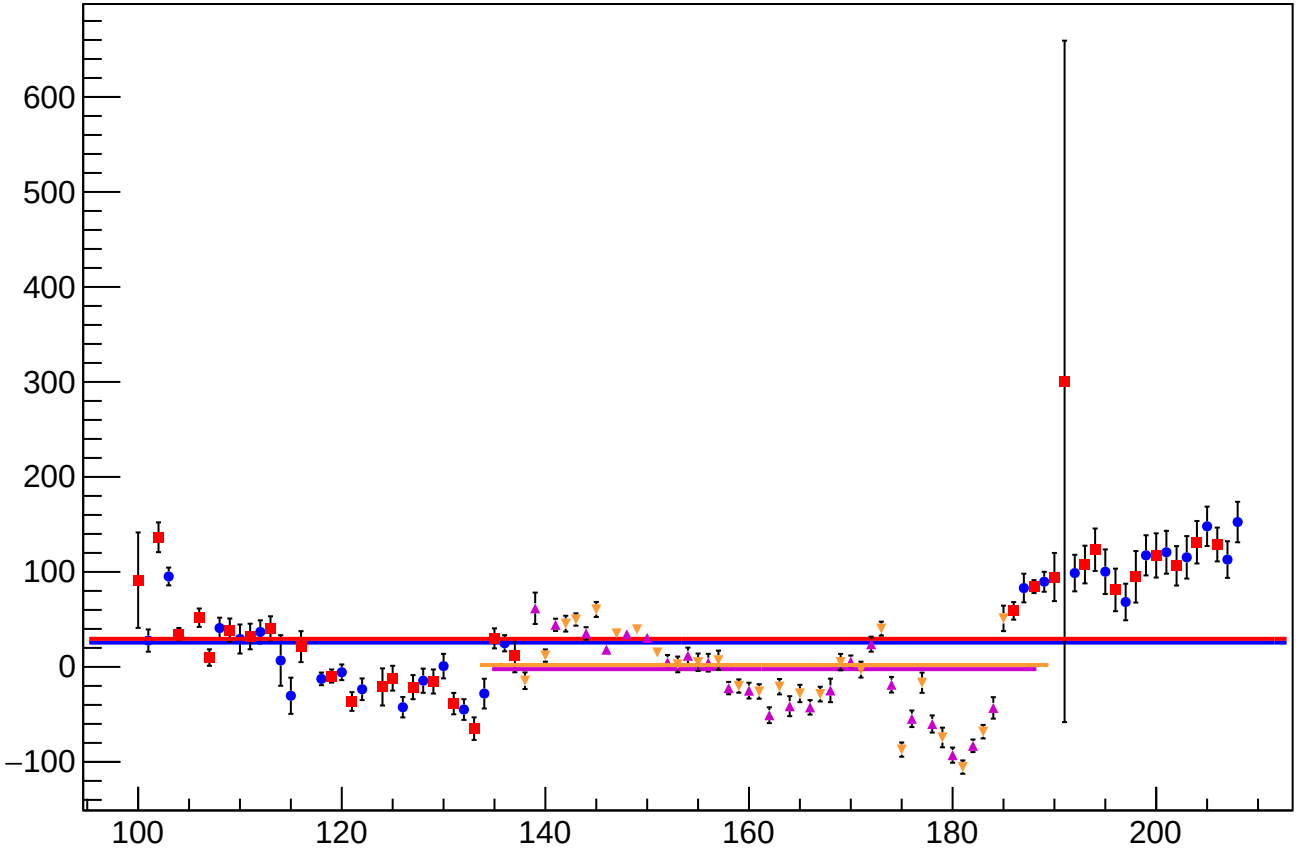
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -431.494+/-1.473 χ^2/NDF: 6080.2/51

All: -437.706+/-1.025 χ^2/NDF: 14904.2/105

- sign -443.540+/-1.427 χ^2/NDF: 8789.5/53

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 25.587+/-2.436 χ^2/NDF: 465.6/26

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 29.565+/-2.208 χ^2/NDF: 489.7/30

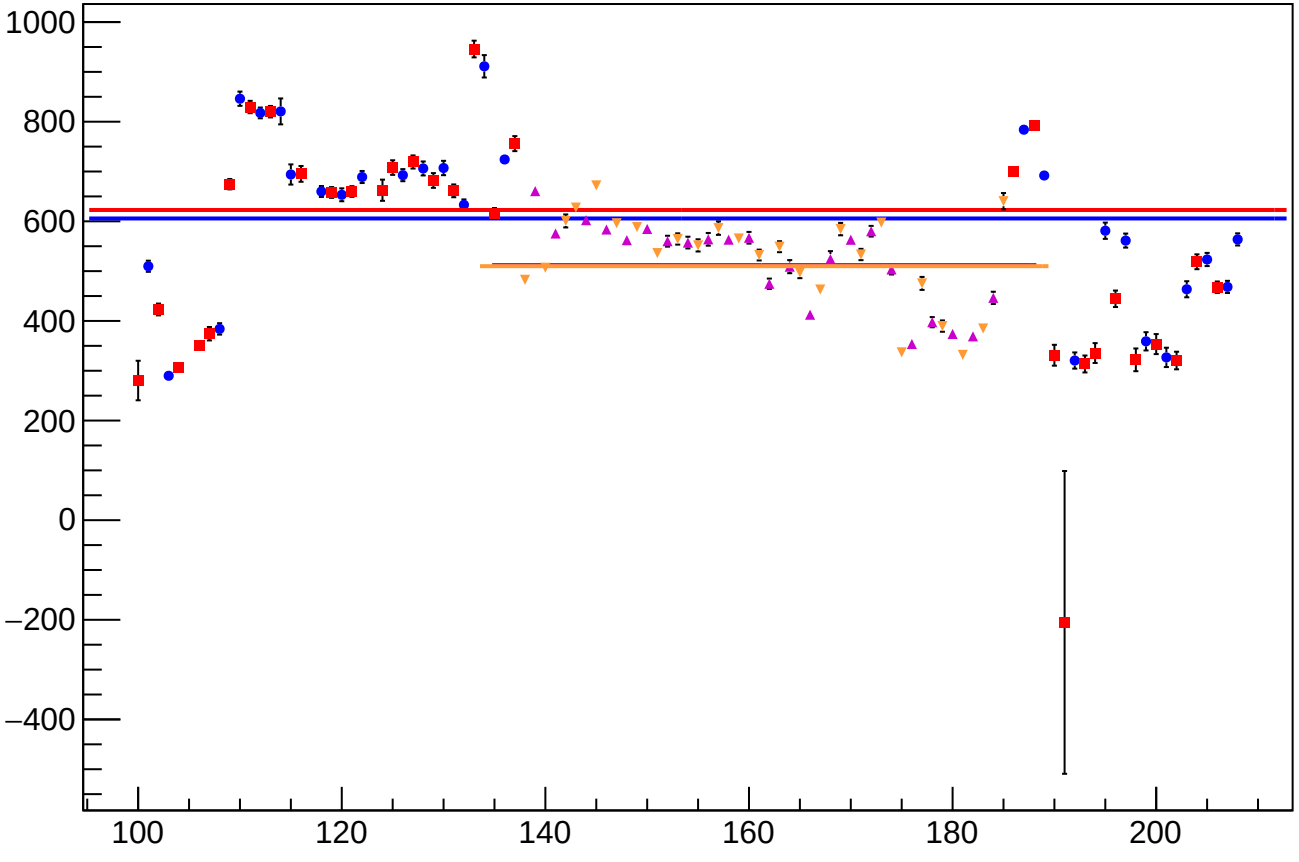
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 8.045+/-1.231 χ^2/NDF: 1446.0/51

All: 7.800+/-0.870 χ^2/NDF: 2813.3/105

- sign 7.554+/-1.231 χ^2/NDF: 1367.2/53

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 605.708+/-2.267 χ^2/NDF: 5526.7/26

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 622.772+/-1.981 χ^2/NDF: 8806.5/30

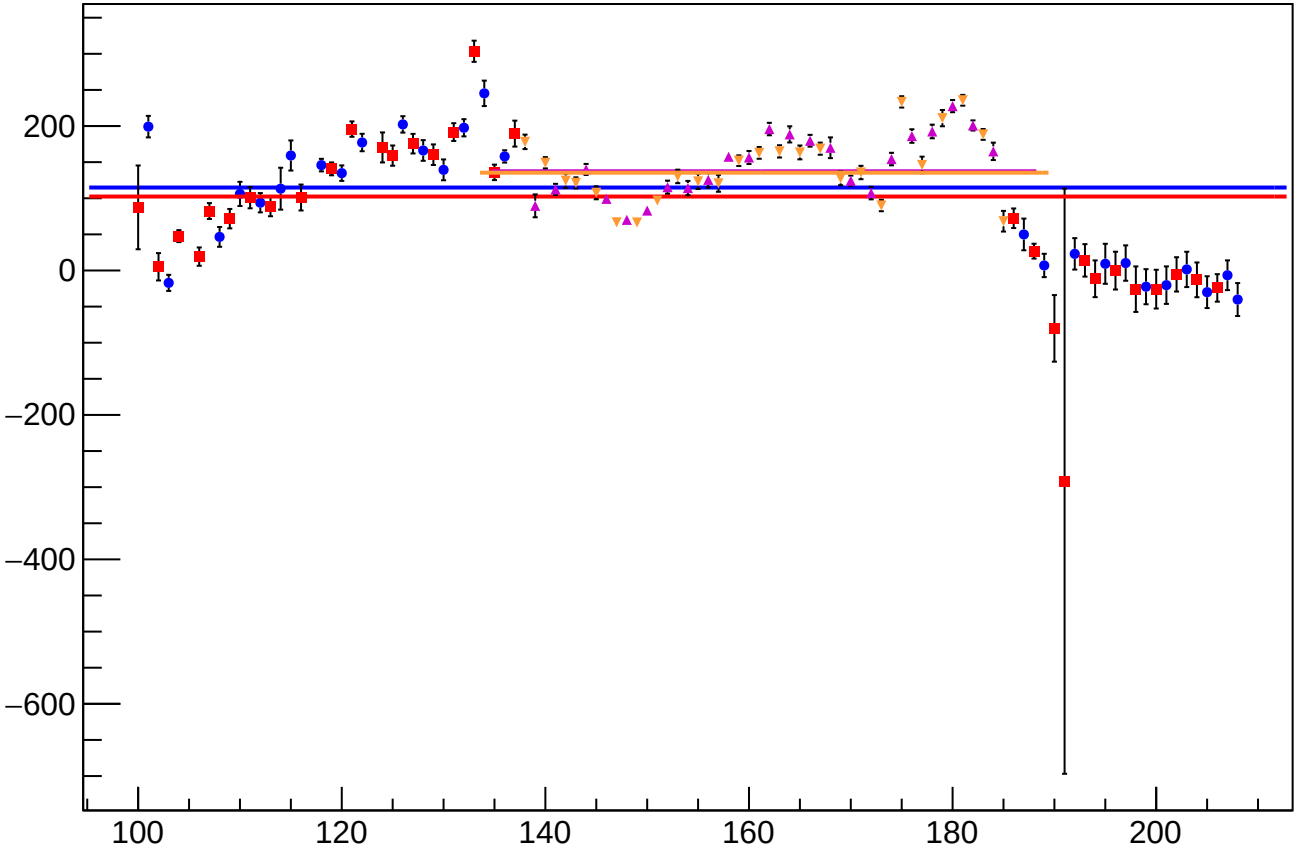
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

\+ sign 550.294+/-1.472 χ^2/NDF: 9221.7/51

All: 559.376+/-1.015 χ^2/NDF: 21742.2/105

\- sign 567.608+/-1.402 χ^2/NDF: 12447.9/53

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 114.864+/-2.853 χ^2/NDF: 759.1/26

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 102.390+/-2.656 χ^2/NDF: 818.3/30

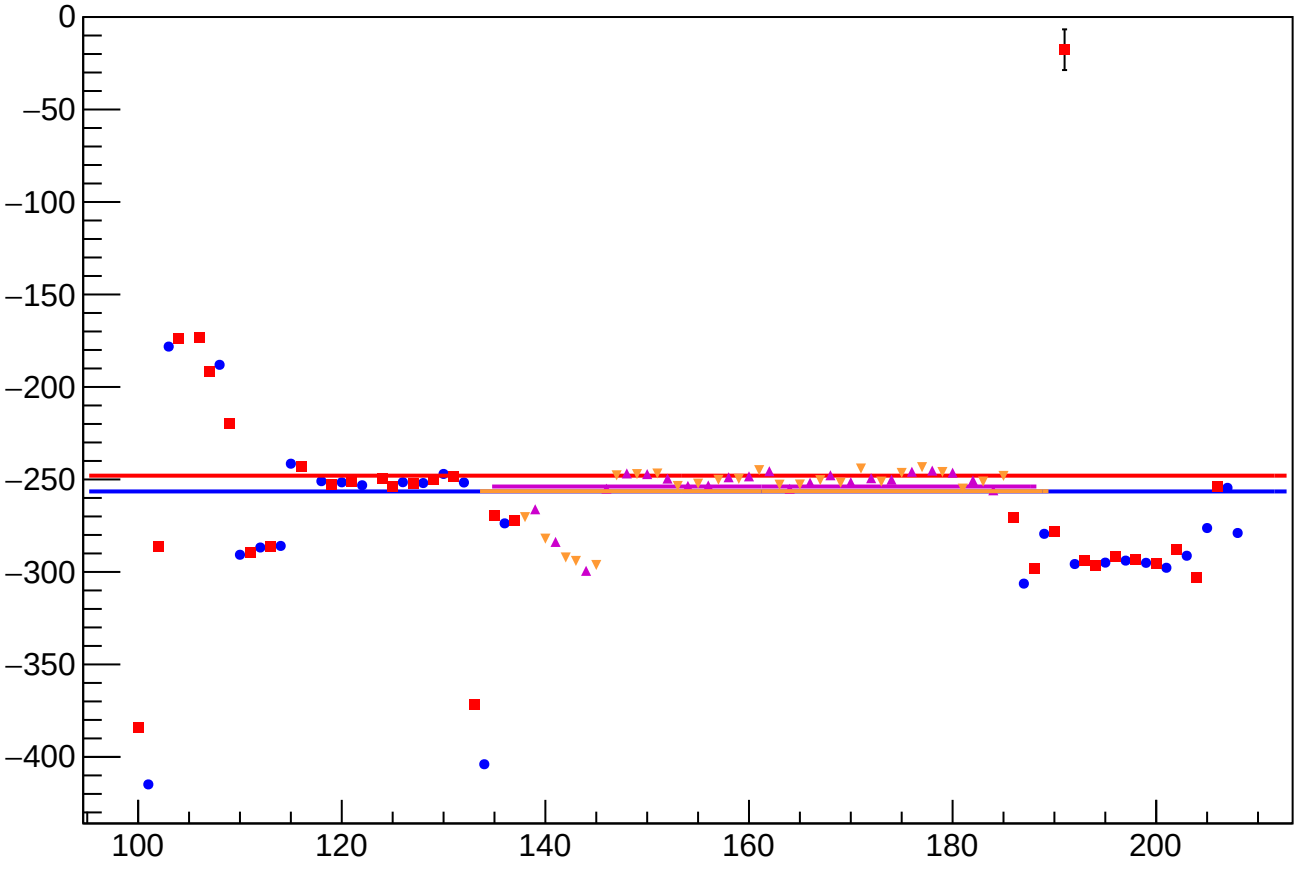
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 130.263+/-1.428 χ^2/NDF: 1721.1/51

All: 128.733+/-1.011 χ^2/NDF: 3370.6/105

- sign 127.191+/-1.433 χ^2/NDF: 1647.2/53

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -256.481+/-0.136 χ^2/NDF: 198460.6/26

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -247.950+/-0.131 χ^2/NDF: 148464.4/30

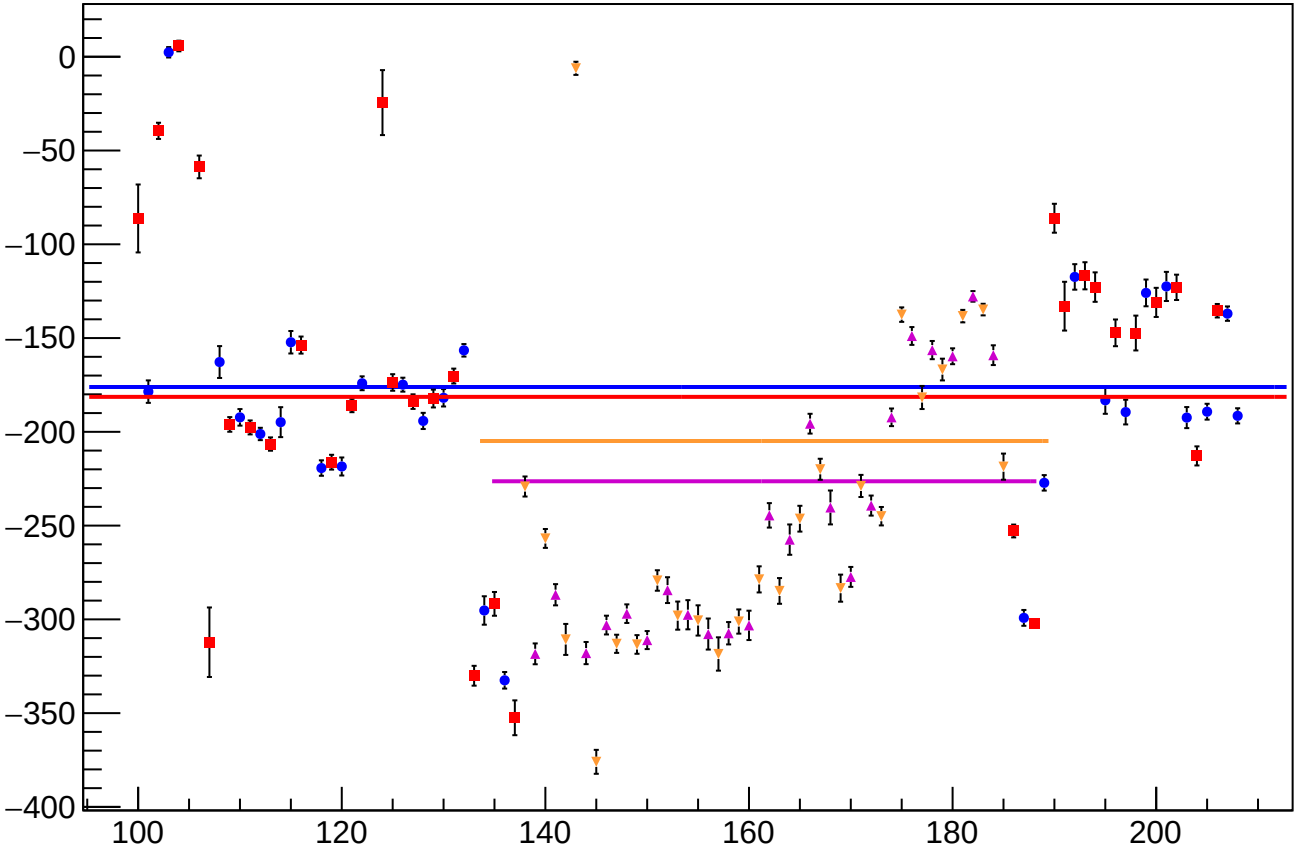
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -256.377+/-0.067 χ^2/NDF: 237974.7/51

All: -254.329+/-0.047 χ^2/NDF: 413861.4/105

- sign -252.288+/-0.067 χ^2/NDF: 174022.3/53

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -176.094+/-0.879 χ^2/NDF: 7276.6/26

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -181.354+/-0.832 χ^2/NDF: 11560.8/30

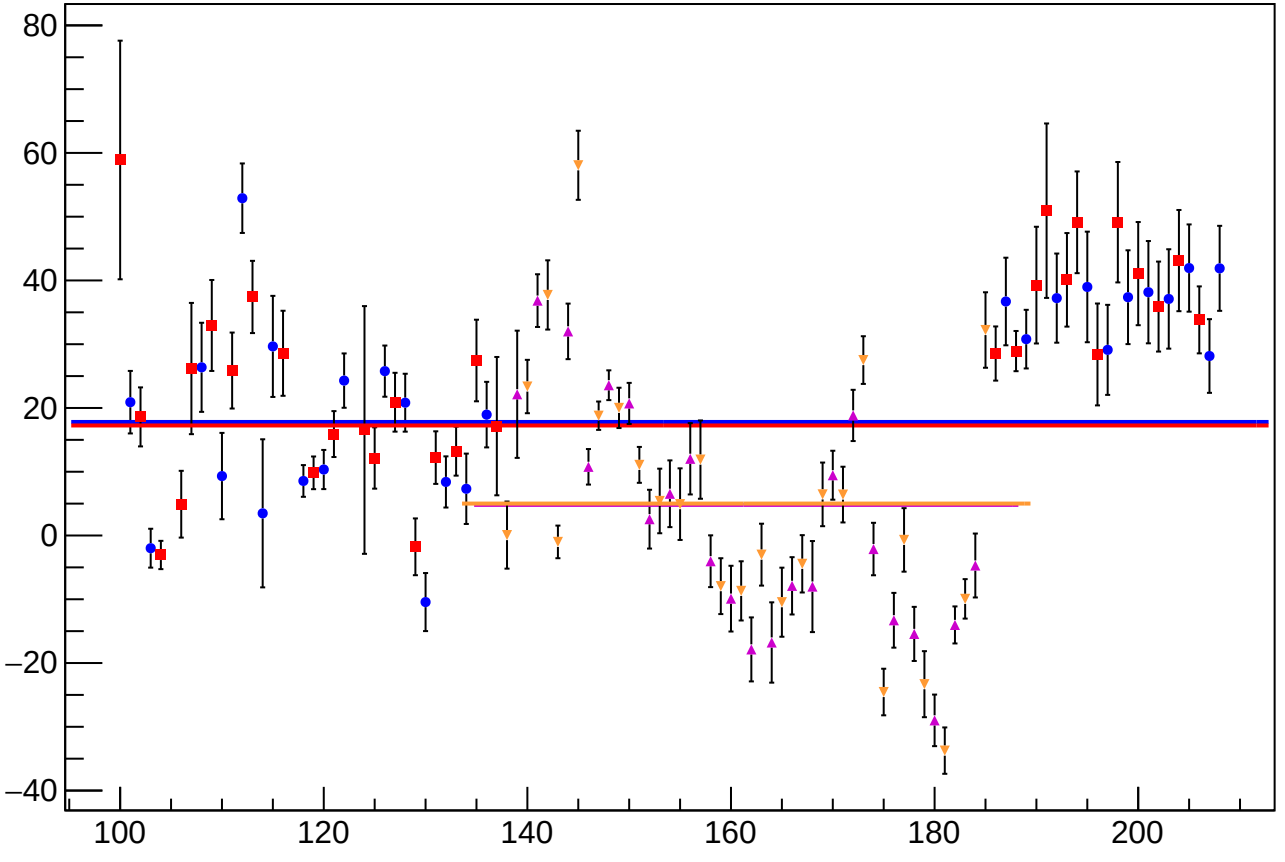
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -187.928+/-0.674 χ^2/NDF: 15544.3/51

All: -192.856+/-0.473 χ^2/NDF: 32488.2/105

- sign -197.645+/-0.665 χ^2/NDF: 16838.6/53

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 17.806+/-0.949 χ^2/NDF: 245.1/26

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 17.255+/-0.893 χ^2/NDF: 259.2/30

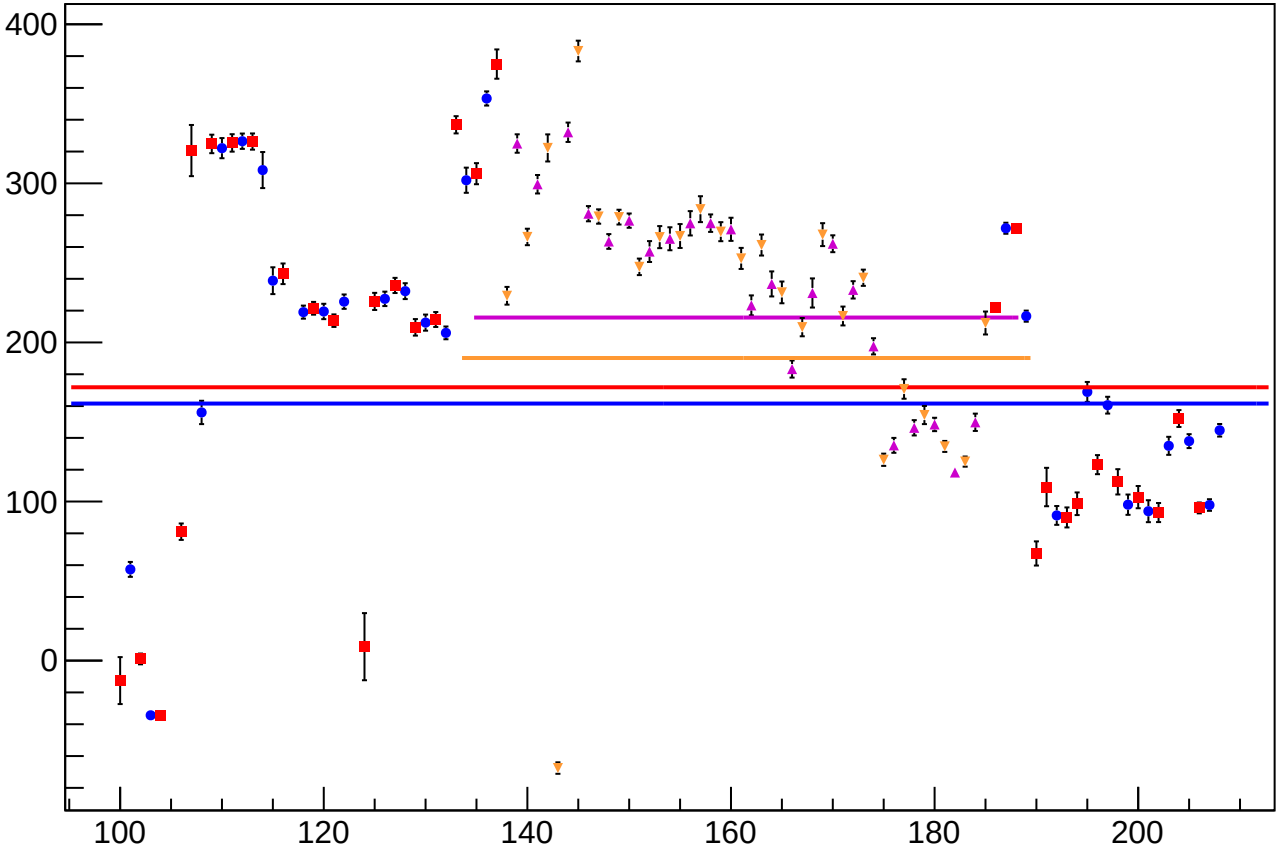
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 10.269+/-0.609 χ^2/NDF: 900.6/51

All: 10.480+/-0.432 χ^2/NDF: 1688.9/105

- sign 10.695+/-0.614 χ^2/NDF: 788.0/53

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 161.584+/-0.879 χ^2/NDF: 15920.6/26

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 171.820+/-0.808 χ^2/NDF: 21367.2/30

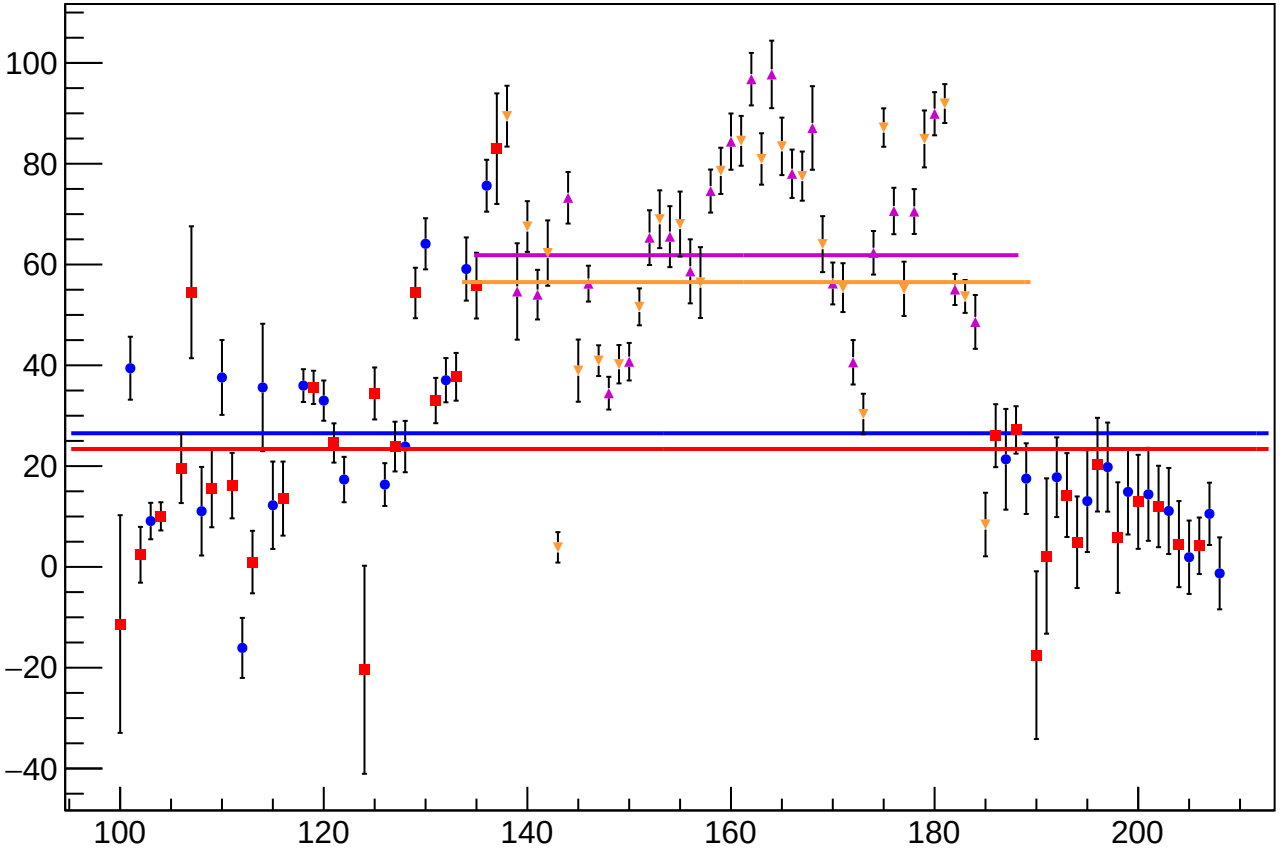
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 173.385+/-0.674 χ^2/NDF: 25741.8/51

All: 180.537+/-0.468 χ^2/NDF: 52246.2/105

- sign 187.202+/-0.651 χ^2/NDF: 26286.9/53

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 26.517+/-1.112 χ^2/NDF: 332.7/26

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

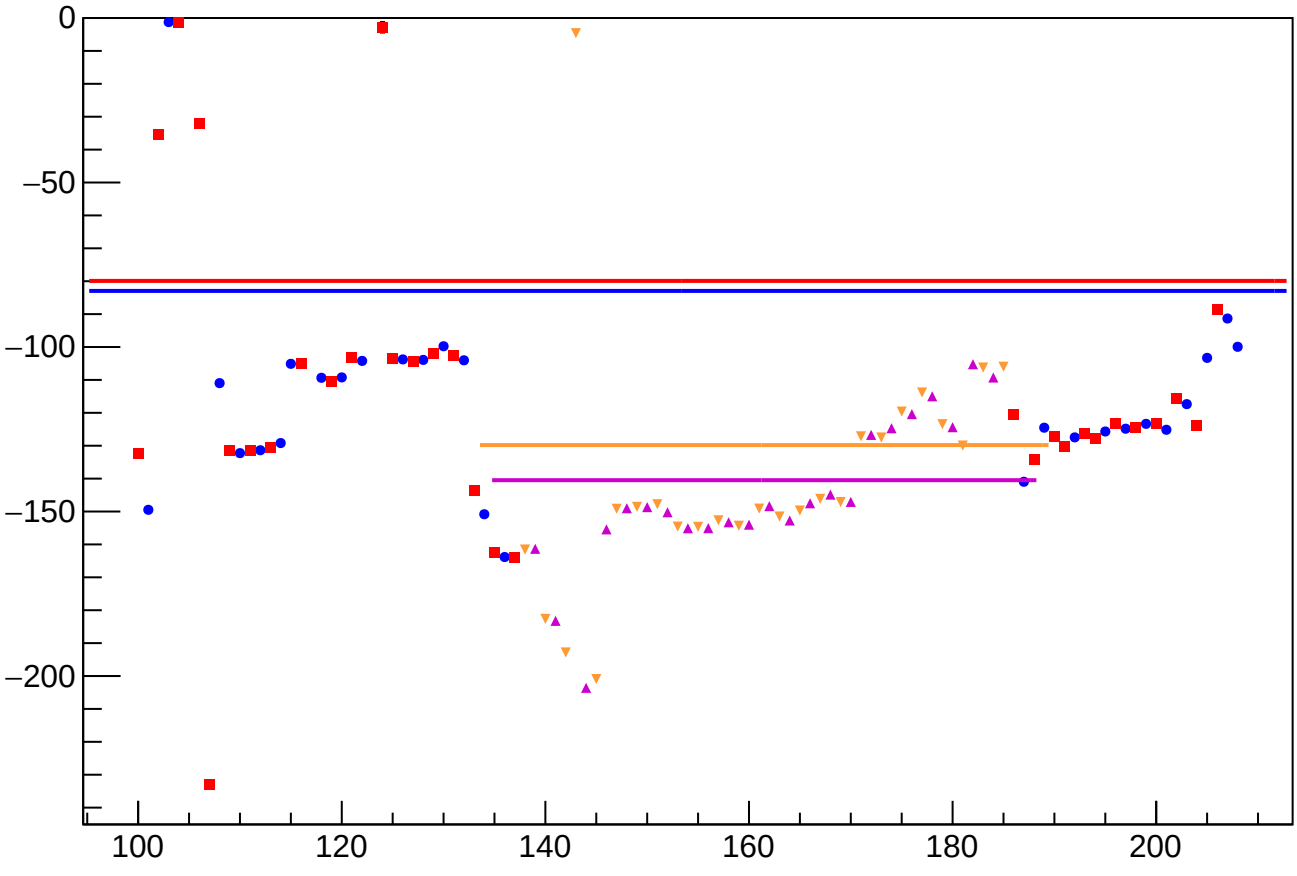
Right Out: 23.399+/-1.068 χ^2/NDF: 228.7/30

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 44.500+/-0.704 χ^2/NDF: 1567.7/51

All: 44.567+/-0.501 χ^2/NDF: 2833.3/105

- sign 44.635+/-0.714 χ^2/NDF: 1265.5/53



Right In: -82.947+/-0.051 χ^2/NDF: 1300576.1/26

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -79.901+/-0.050 χ^2/NDF: 1255989.4/30

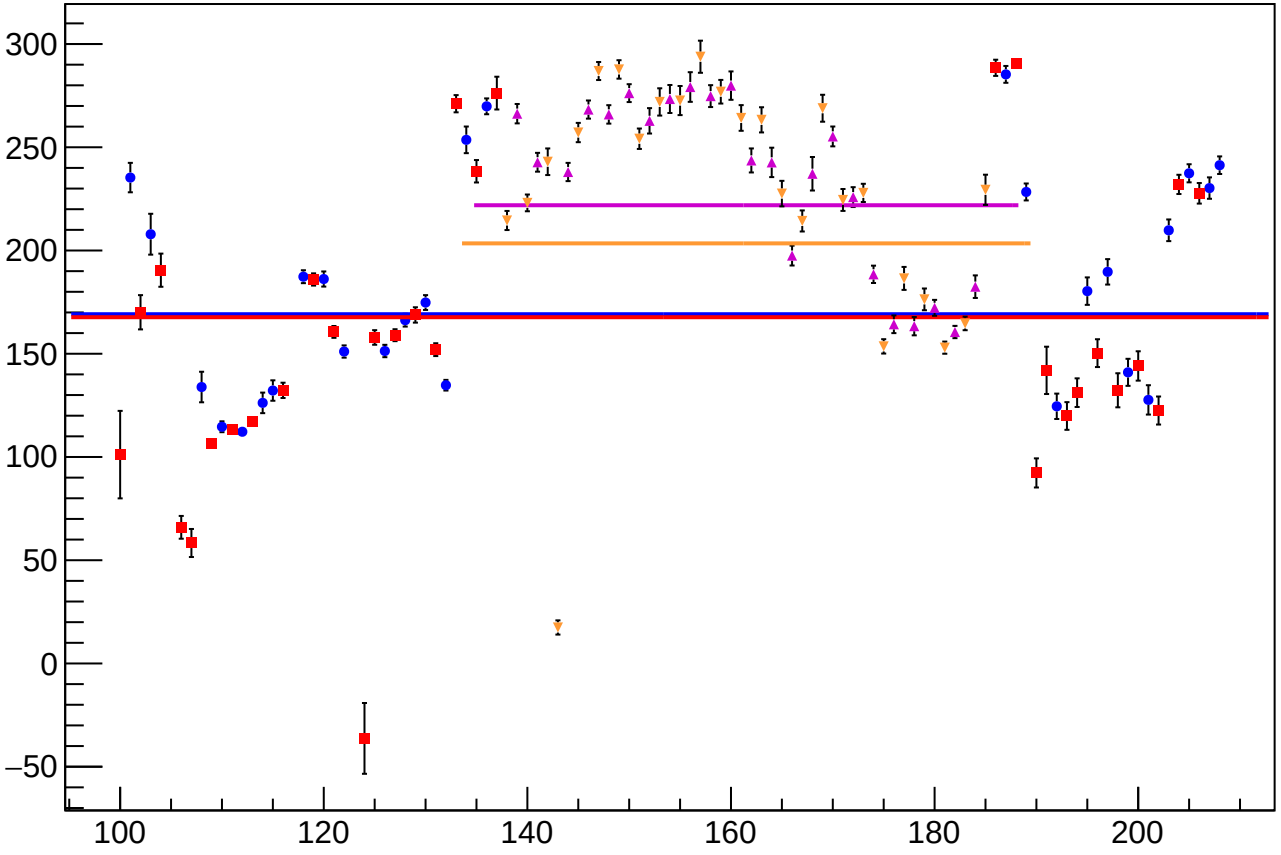
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -110.922+/-0.033 χ^2/NDF: 2823608.6/51

All: -112.525+/-0.023 χ^2/NDF: 5175330.9/10

- sign -114.155+/-0.033 χ^2/NDF: 2346837.7/53

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 169.143+/-0.758 χ^2/NDF: 4448.1/26

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 167.692+/-0.711 χ^2/NDF: 8443.2/30

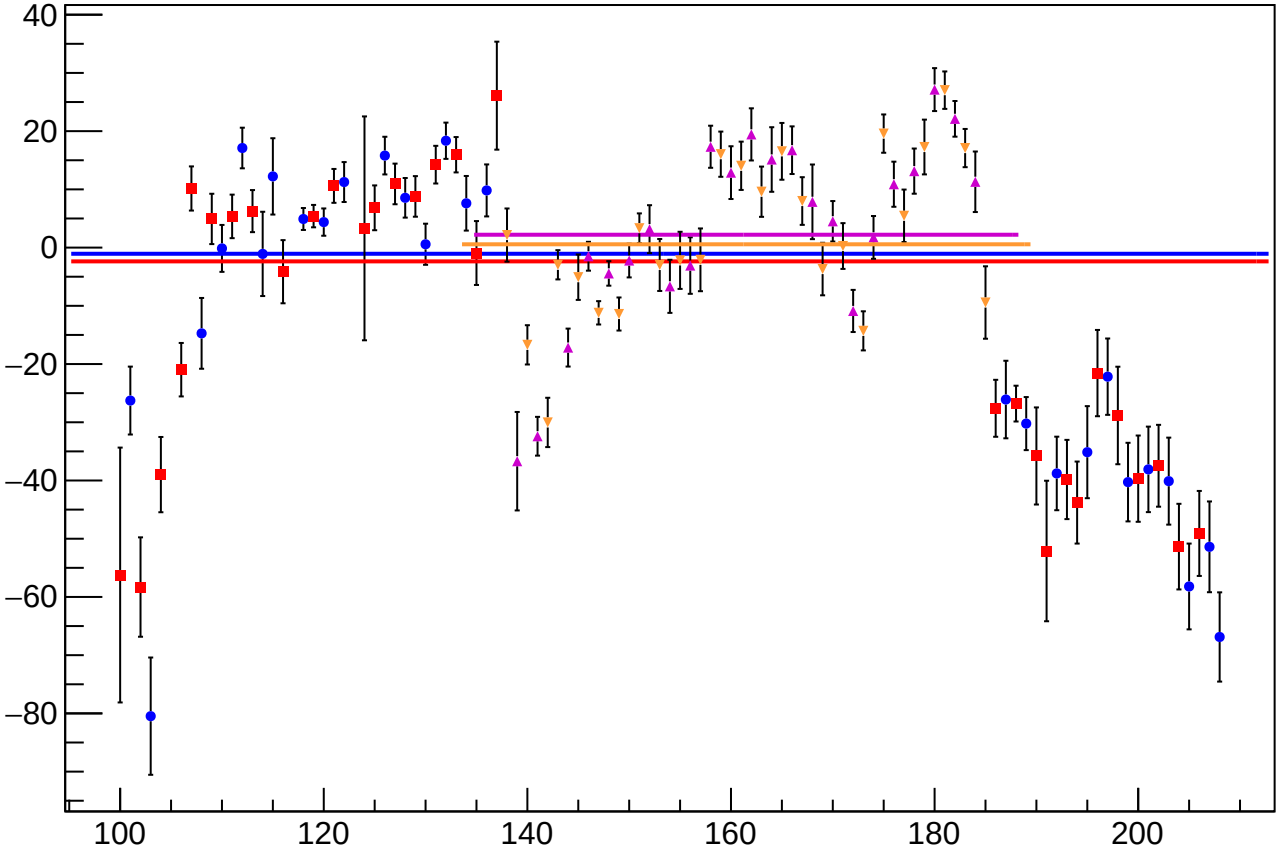
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

\+ sign 182.427+/-0.593 χ^2/NDF: 10734.0/51

All: 184.174+/-0.415 χ^2/NDF: 23126.0/105

\- sign 185.847+/-0.580 χ^2/NDF: 12375.0/53

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: -1.059+/-0.814 χ^2/NDF: 611.0/26

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -2.367+/-0.795 χ^2/NDF: 600.4/30

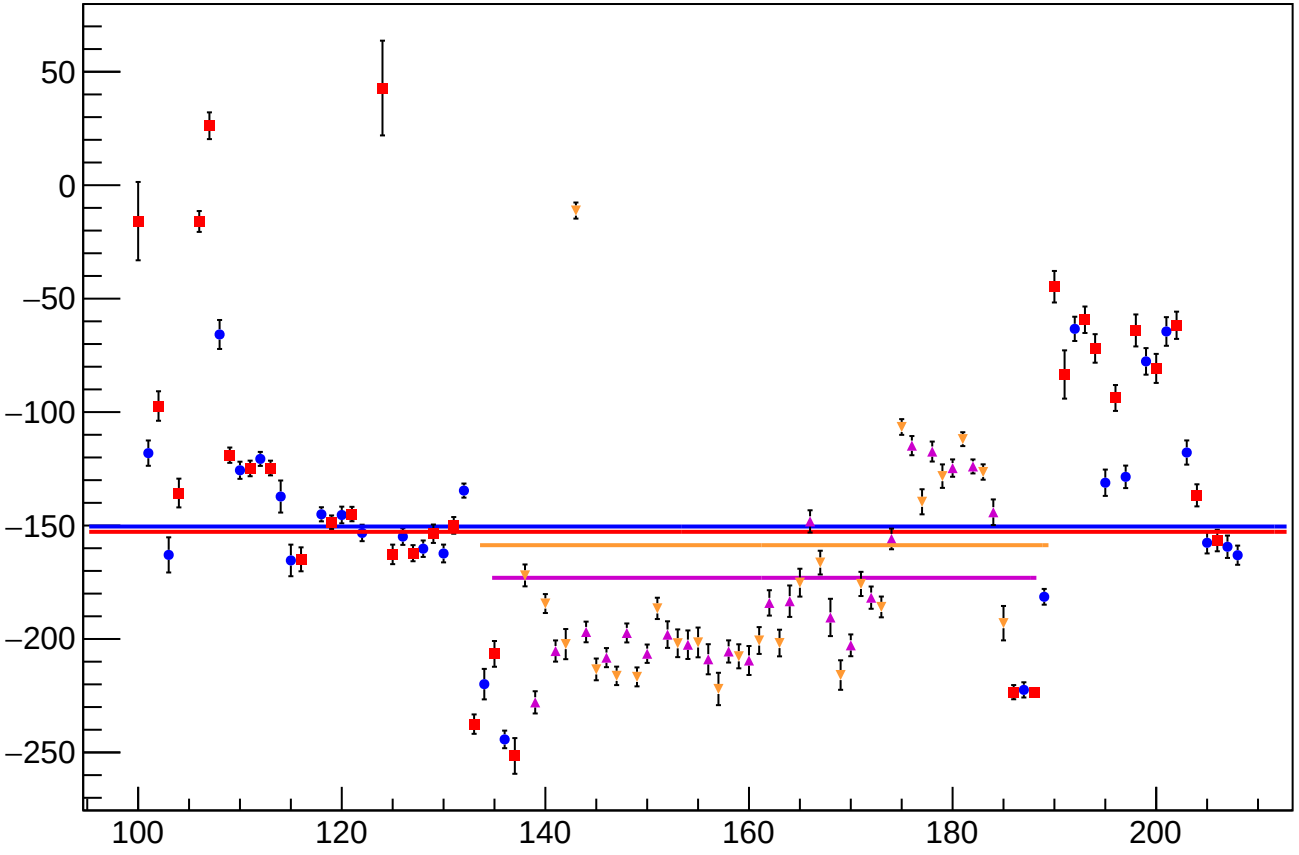
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign -0.141+/-0.538 χ^2/NDF: 958.7/51

All: -0.061+/-0.384 χ^2/NDF: 1934.6/105

- sign 0.023+/-0.549 χ^2/NDF: 975.9/53

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -150.432+/-0.828 χ^2/NDF: 2328.6/26

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -152.768+/-0.764 χ^2/NDF: 6414.7/30

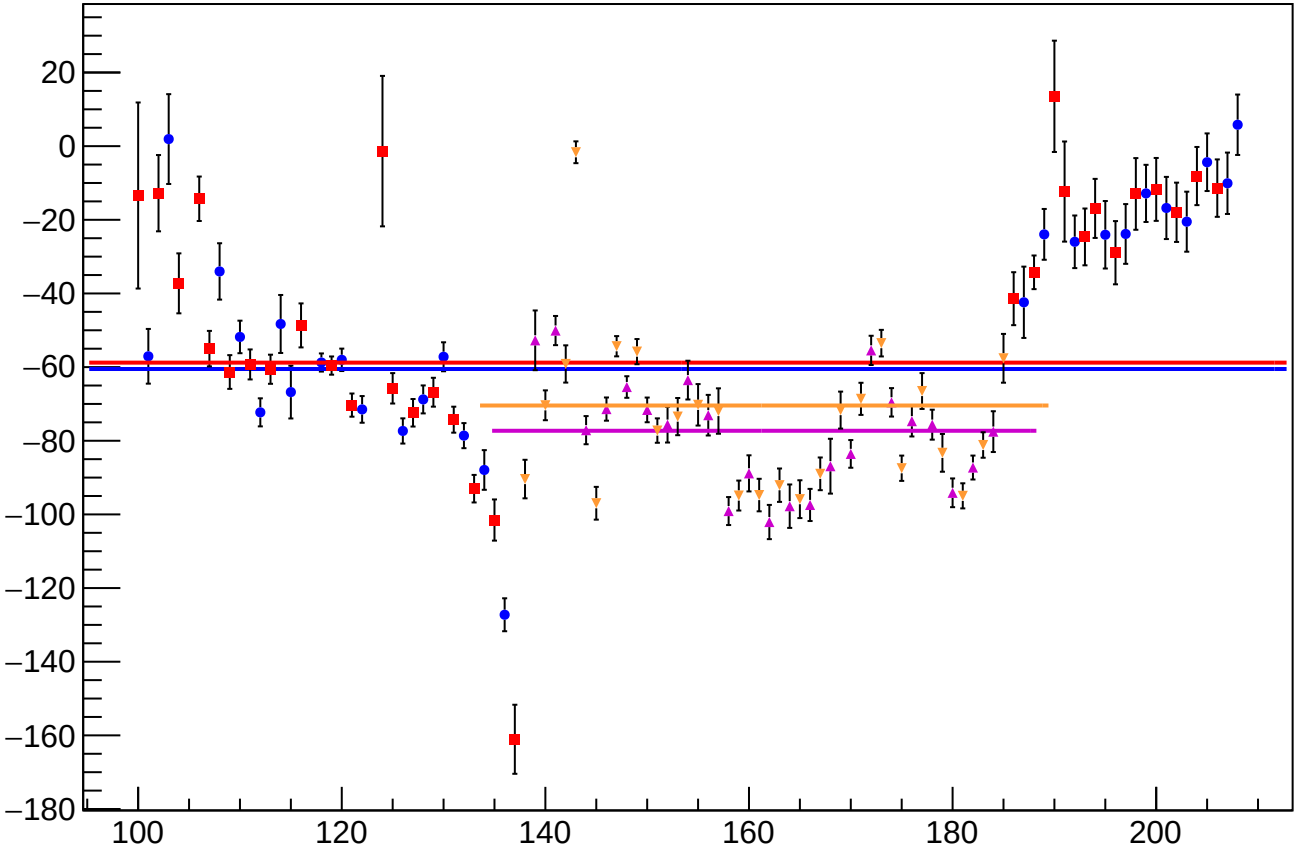
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -153.979+/-0.624 χ^2/NDF: 5862.9/51

All: -157.225+/-0.435 χ^2/NDF: 13991.1/105

- sign -160.286+/-0.606 χ^2/NDF: 8075.6/53

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -60.515+/-0.951 χ^2/NDF: 705.2/26

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -58.784+/-0.933 χ^2/NDF: 695.1/30

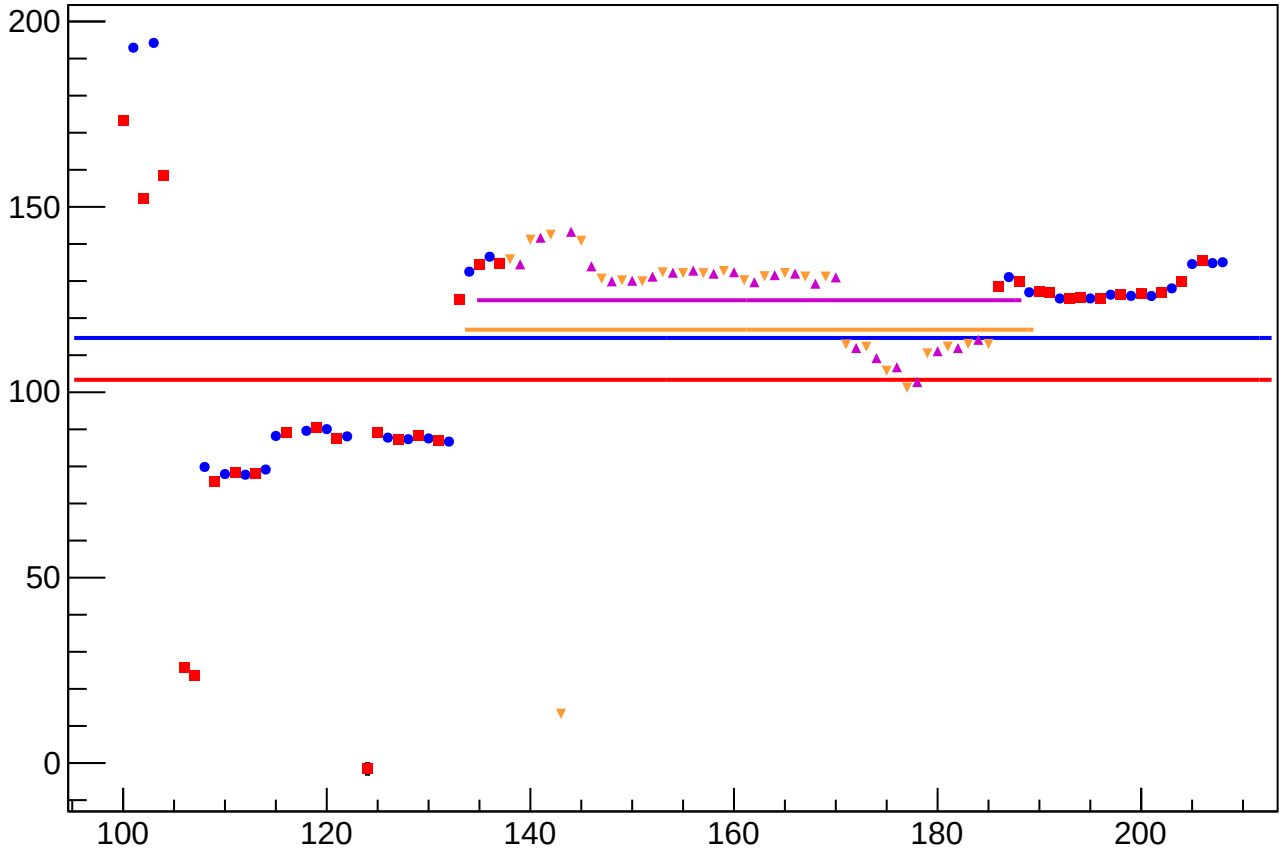
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -66.191+/-0.622 χ^2/NDF: 1669.1/51

All: -67.432+/-0.444 χ^2/NDF: 2837.9/105

- sign -68.726+/-0.635 χ^2/NDF: 1160.7/53

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 114.651+/-0.055 χ^2/NDF: 281331.2/26

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 103.364+/-0.051 χ^2/NDF: 520775.2/30

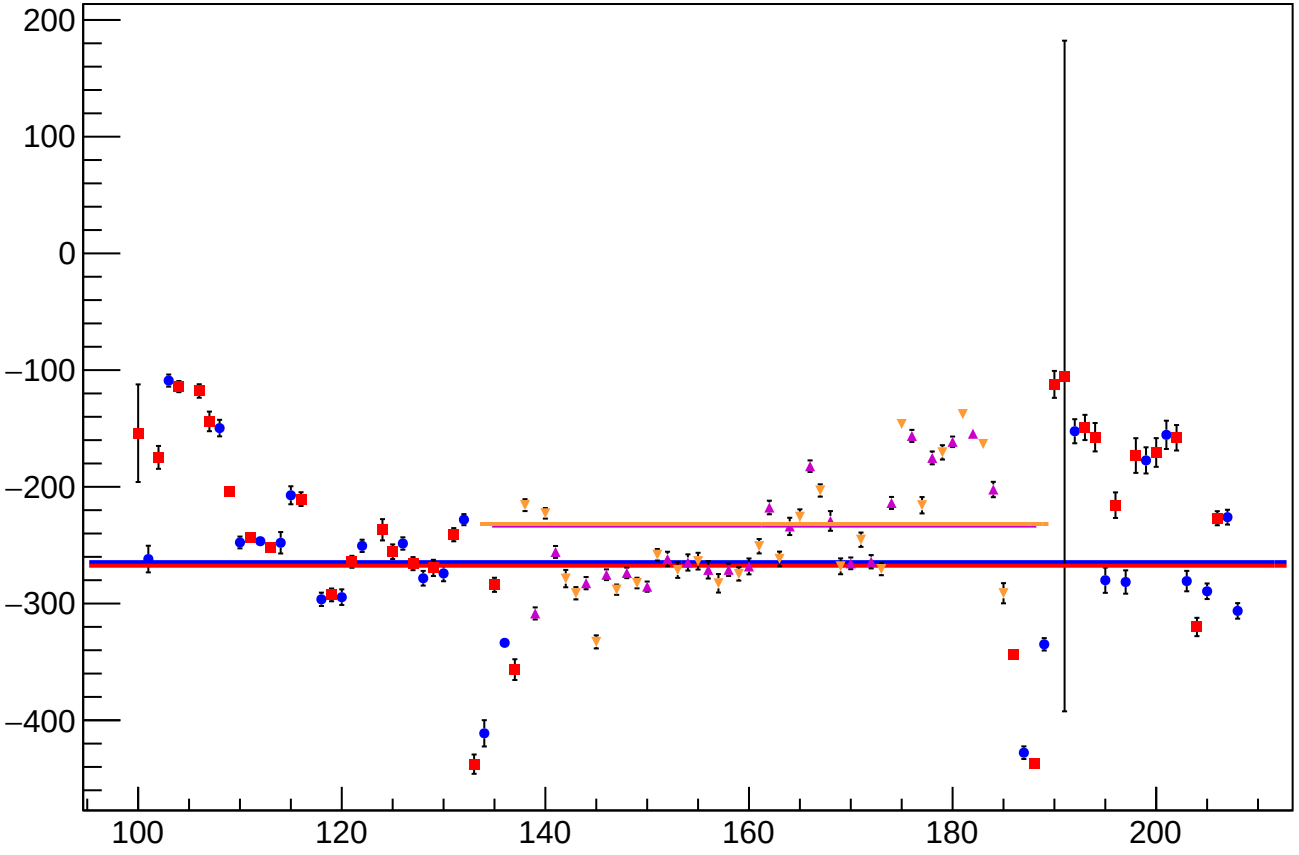
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 116.152+/-0.031 χ^2/NDF: 905561.2/51

All: 116.495+/-0.022 χ^2/NDF: 1625412.2/105

- sign 116.837+/-0.031 χ^2/NDF: 719610.3/53

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -264.536+/-1.214 χ^2/NDF: 3270.5/26

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -267.597+/-1.092 χ^2/NDF: 7508.3/30

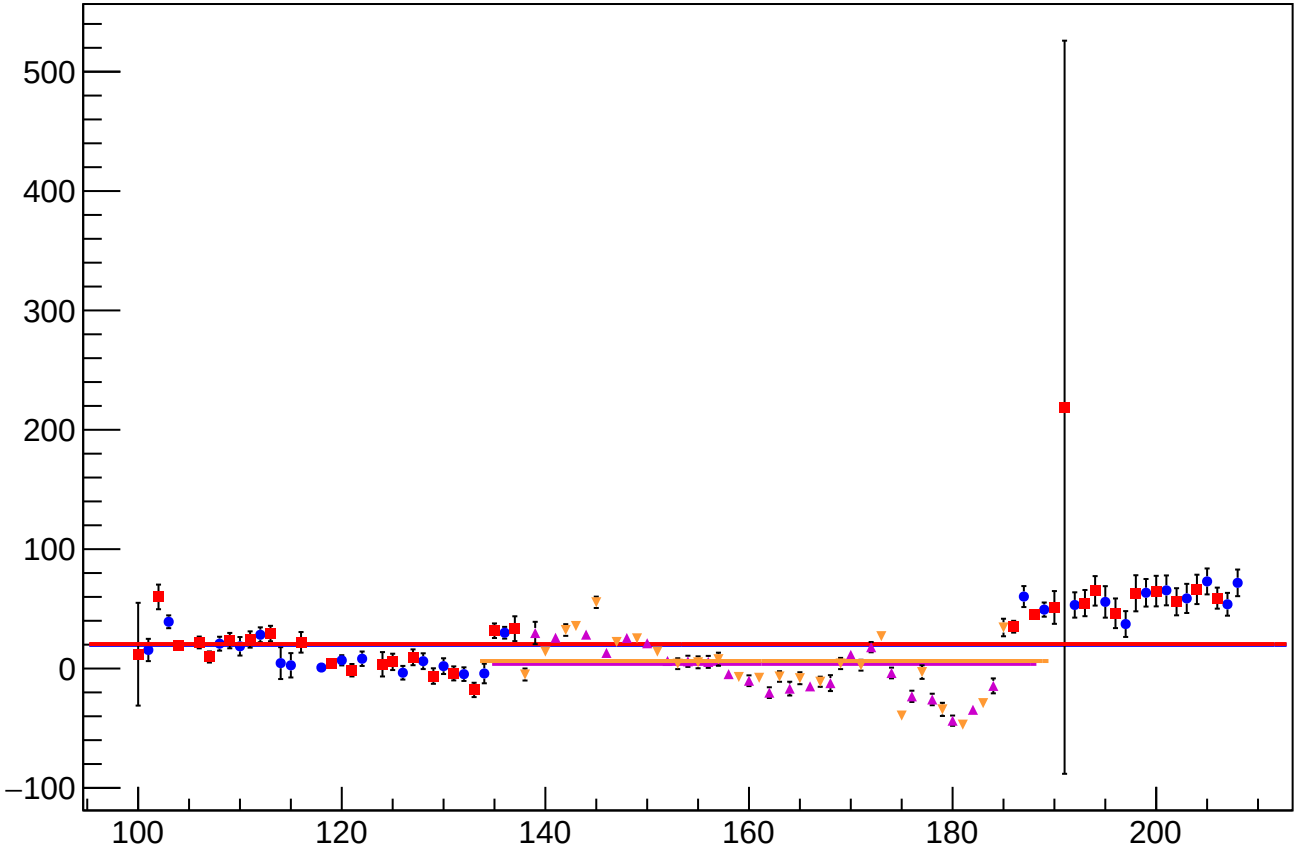
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -246.291+/-0.807 χ^2/NDF: 6351.8/51

All: -248.558+/-0.560 χ^2/NDF: 16429.5/105

- sign -250.664+/-0.778 χ^2/NDF: 10062.5/53

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 19.808+/-1.319 χ^2/NDF: 283.7/26

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 20.523+/-1.193 χ^2/NDF: 294.7/30

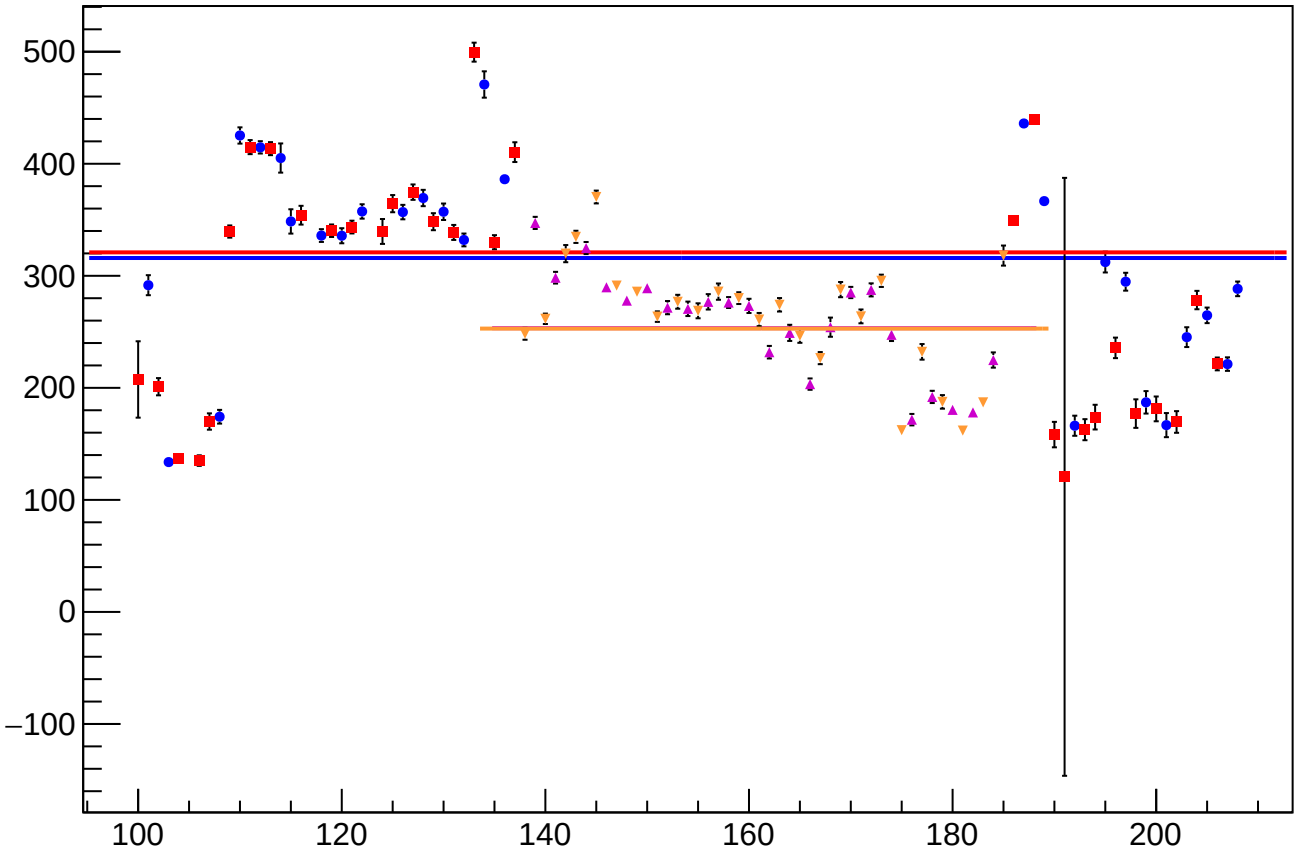
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 9.852+/-0.677 χ^2/NDF: 1232.5/51

All: 9.536+/-0.478 χ^2/NDF: 2309.9/105

- sign 9.221+/-0.675 χ^2/NDF: 1076.9/53

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 315.879+/-1.248 χ^2/NDF: 5682.7/26

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 320.919+/-1.086 χ^2/NDF: 10091.3/30

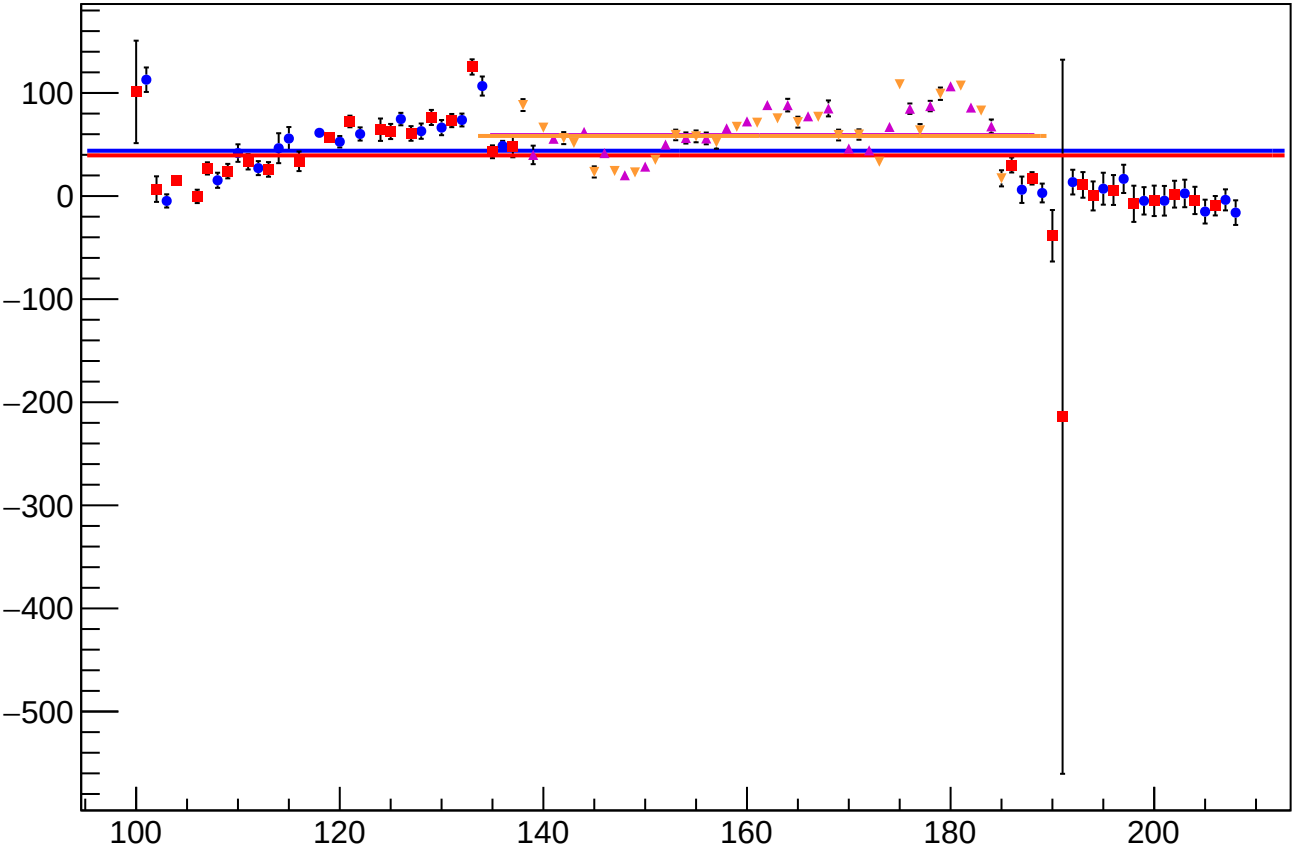
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

\+ sign 279.575+/-0.813 χ^2/NDF: 9728.9/51

All: 283.644+/-0.559 χ^2/NDF: 23855.1/105

\- sign 287.304+/-0.771 χ^2/NDF: 14078.6/53

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 43.977+/-1.541 χ^2/NDF: 401.2/26

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 39.451+/-1.430 χ^2/NDF: 452.5/30

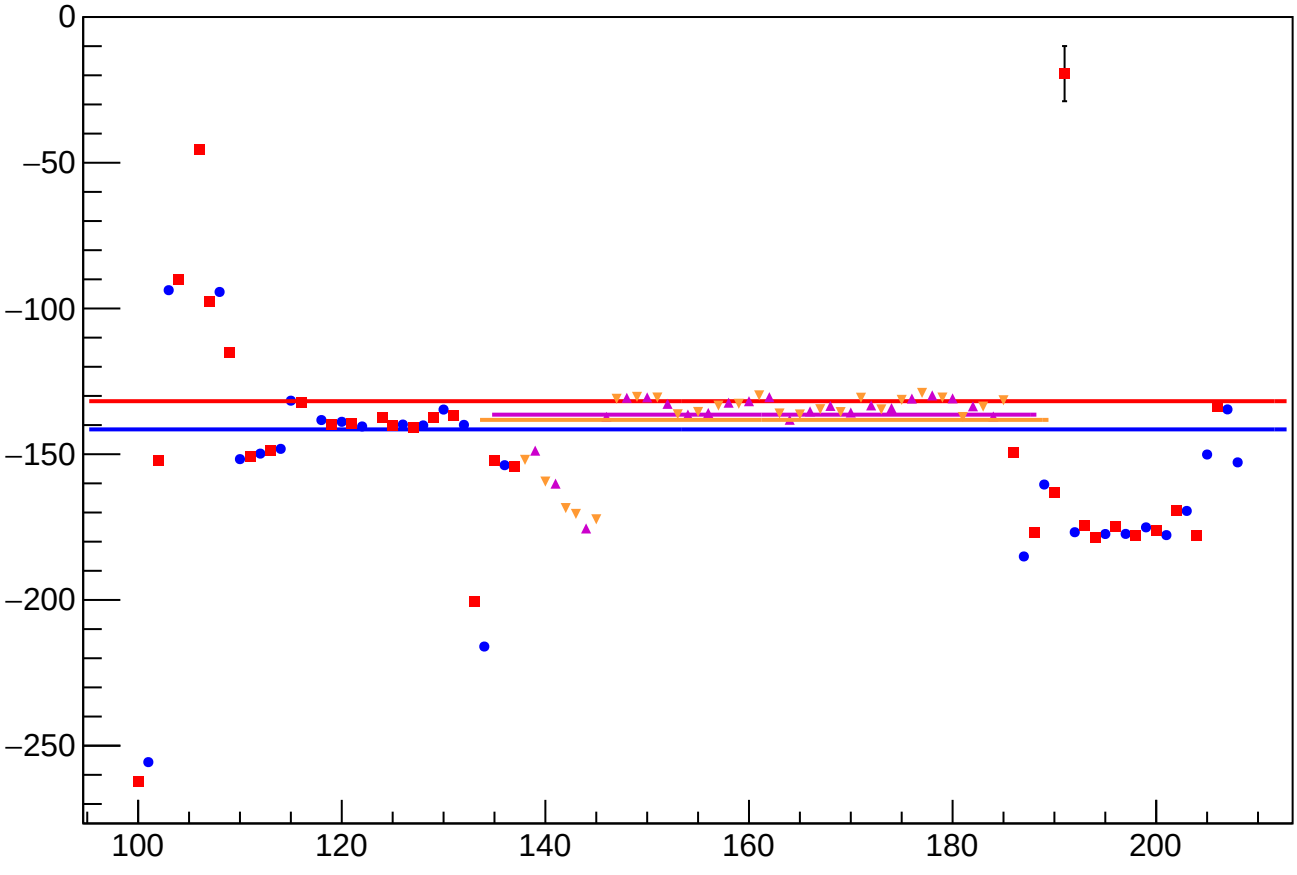
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 54.591+/-0.784 χ^2/NDF: 1315.5/51

All: 53.906+/-0.555 χ^2/NDF: 2534.7/105

- sign 53.220+/-0.785 χ^2/NDF: 1217.6/53

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -141.483+/-0.075 χ^2/NDF: 235362.6/26

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -131.805+/-0.071 χ^2/NDF: 332768.4/30

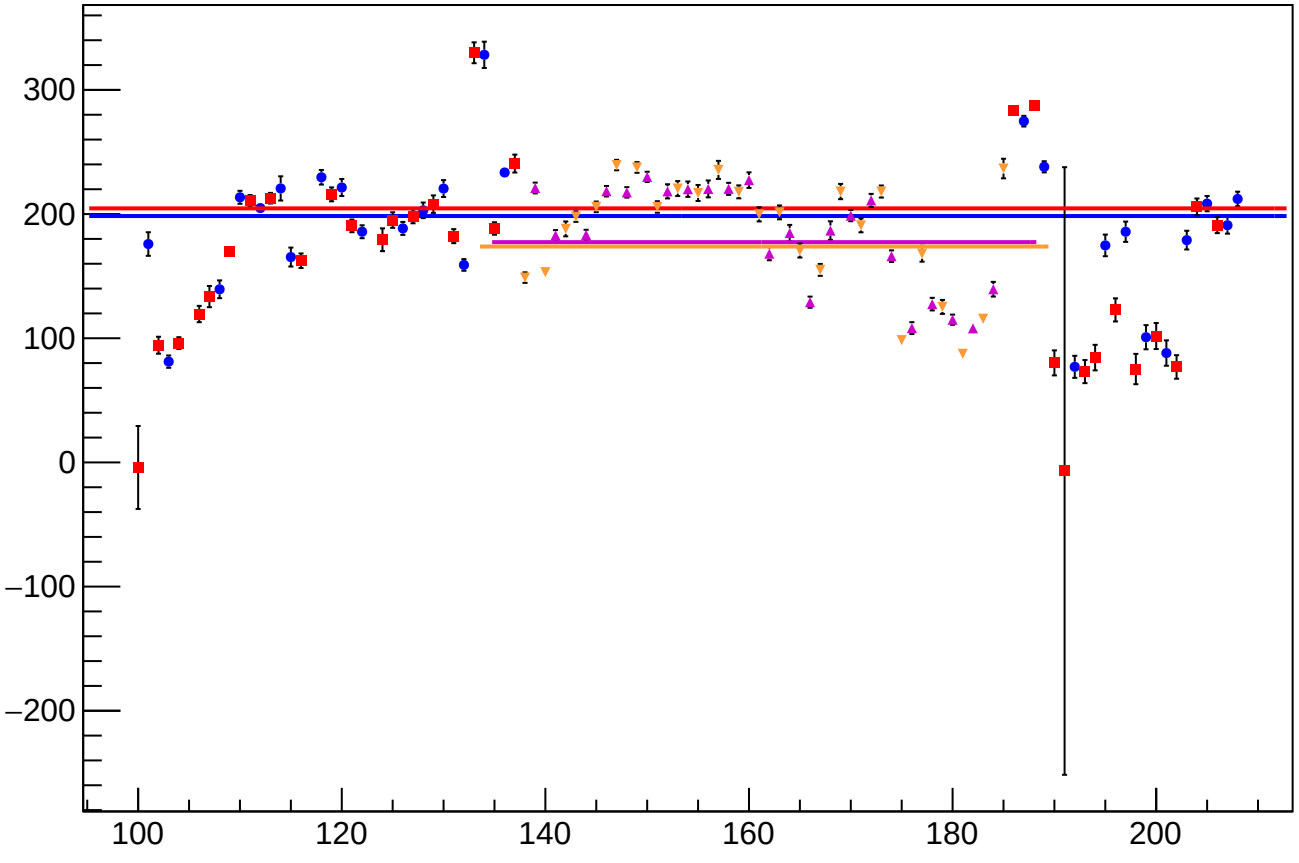
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -139.005+/-0.037 χ^2/NDF: 318614.4/51

All: -137.091+/-0.026 χ^2/NDF: 709559.9/105

- sign -135.206+/-0.037 χ^2/NDF: 385641.8/53

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 198.422+/-1.143 χ^2/NDF: 1869.0/26

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 204.599+/-1.026 χ^2/NDF: 4197.8/30

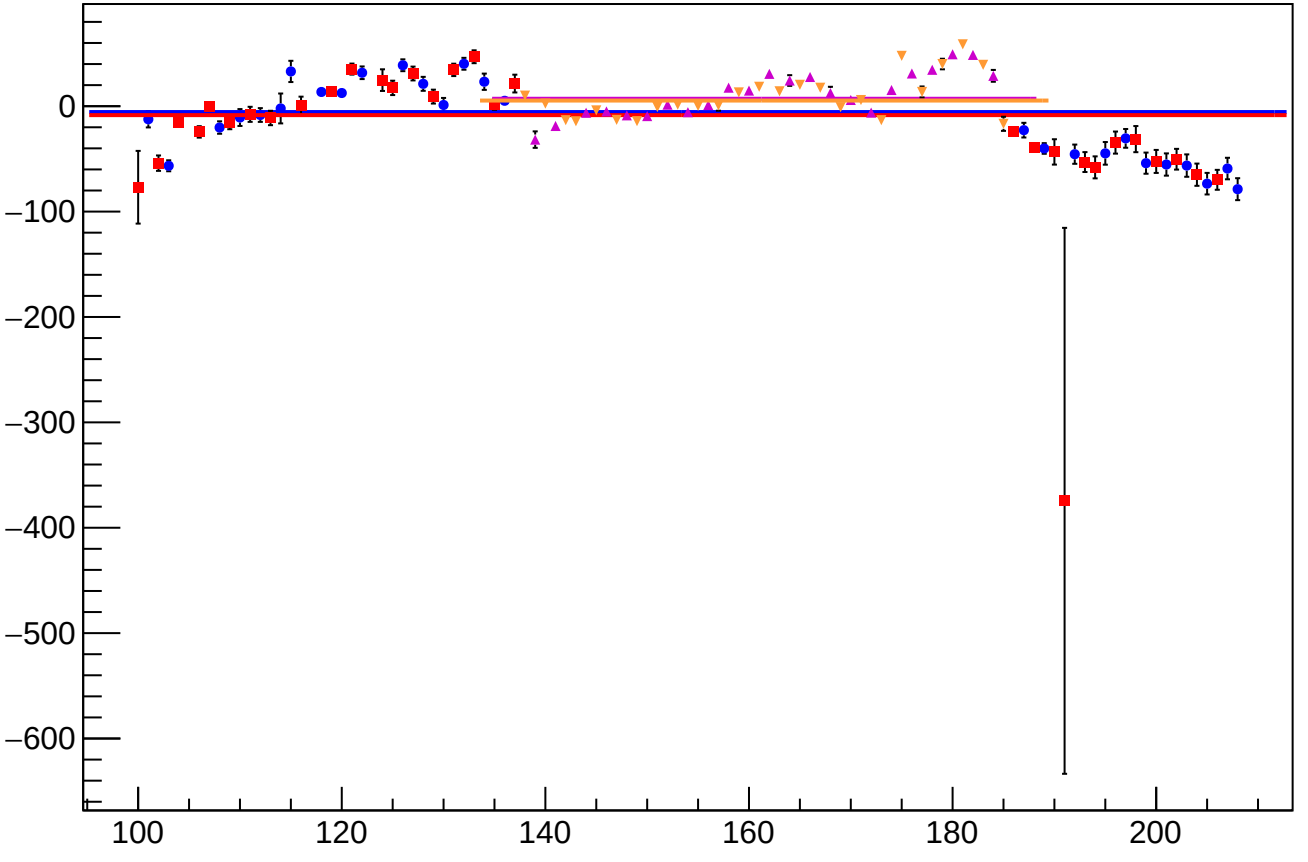
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

\+ sign 184.043+/-0.736 χ^2/NDF: 4766.7/51

All: 187.413+/-0.513 χ^2/NDF: 11330.0/105

\- sign 190.588+/-0.715 χ^2/NDF: 6522.6/53

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -5.551+/-1.260 χ^2/NDF: 651.8/26

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -8.467+/-1.138 χ^2/NDF: 661.7/30

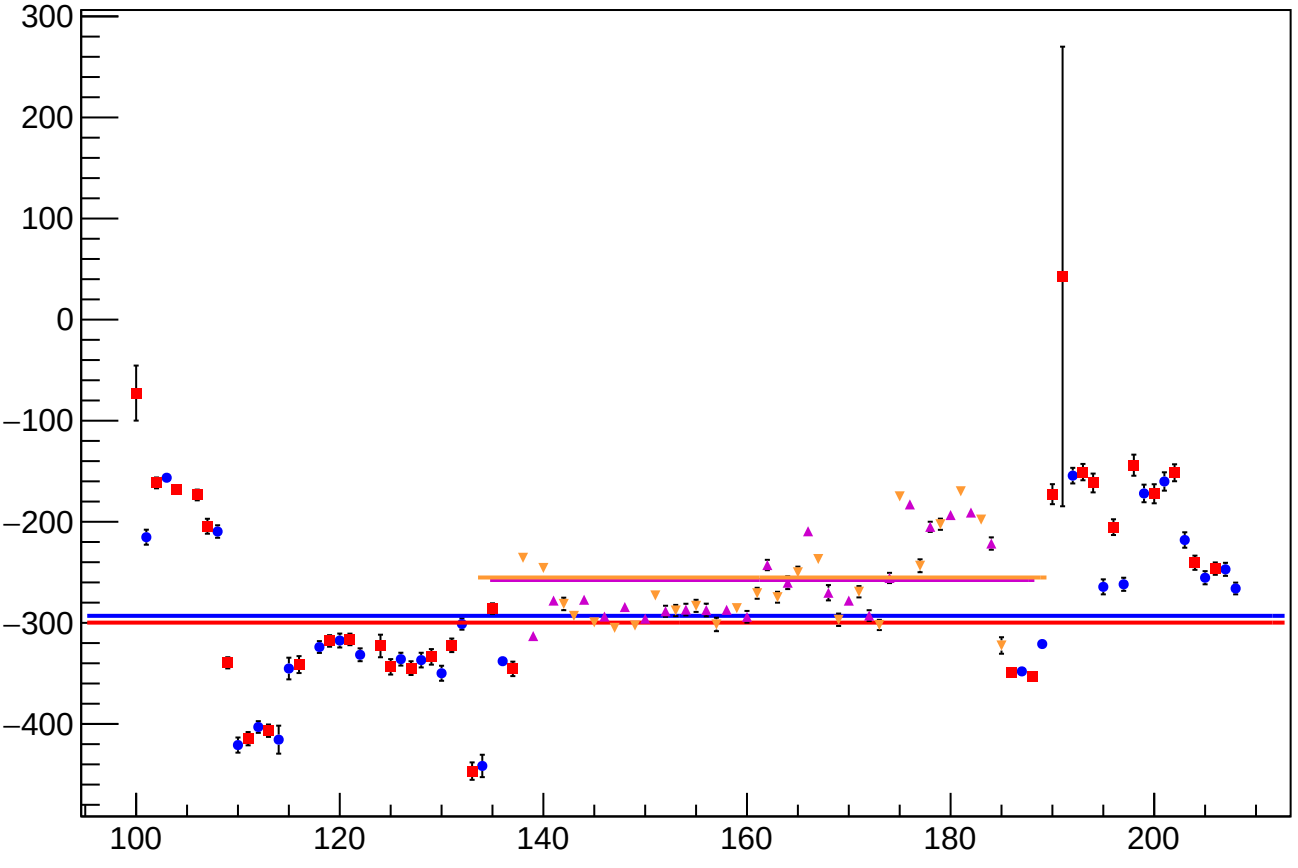
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 2.731+/-0.619 χ^2/NDF: 1518.7/51

All: 2.582+/-0.438 χ^2/NDF: 3020.9/105

- sign 2.432+/-0.621 χ^2/NDF: 1502.1/53

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -293.049+/-1.148 χ^2/NDF: 4101.4/26

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -299.763+/-0.991 χ^2/NDF: 6702.8/30

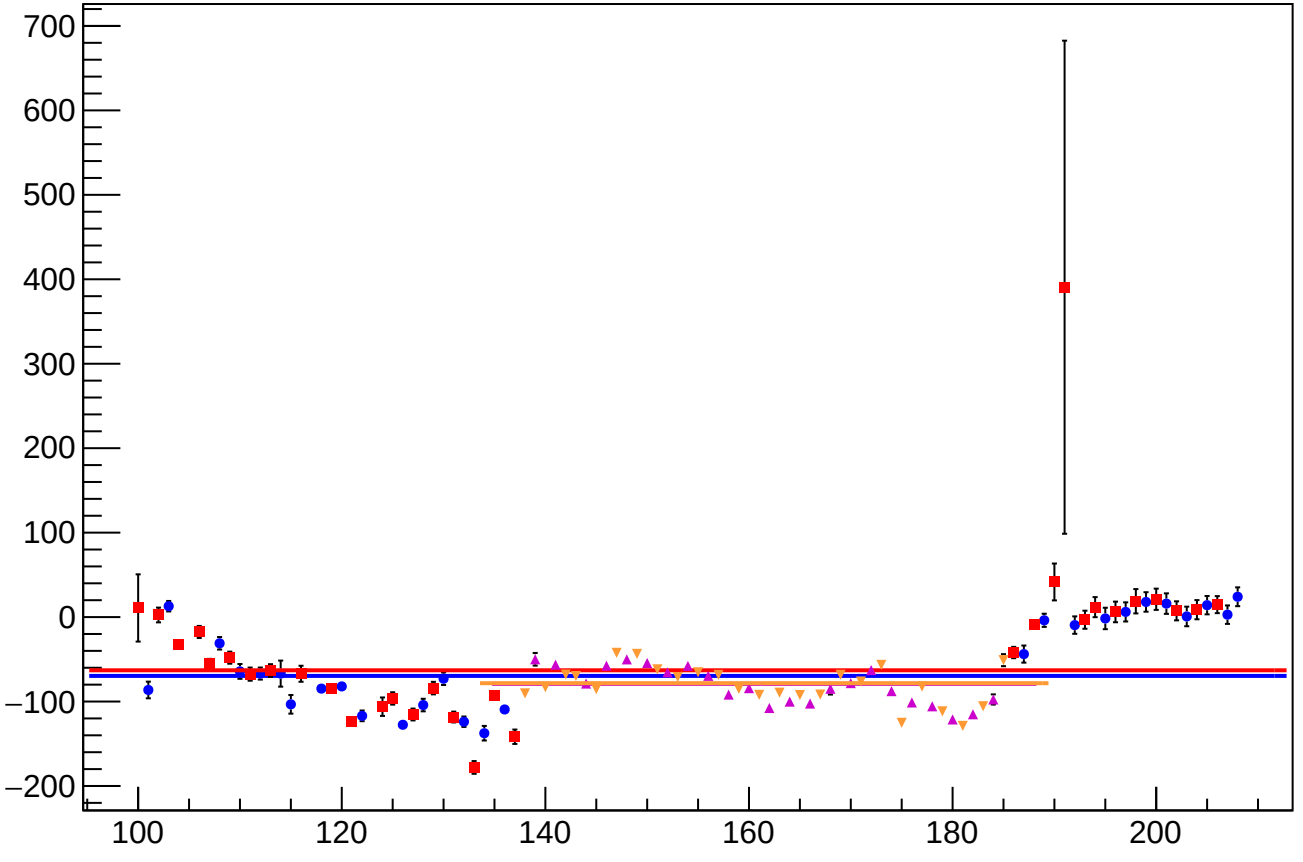
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -270.652+/-0.735 χ^2/NDF: 7090.3/51

All: -274.801+/-0.506 χ^2/NDF: 16572.5/105

- sign -278.549+/-0.699 χ^2/NDF: 9421.5/53

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -69.650+/-1.472 χ^2/NDF: 1139.9/26

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -63.003+/-1.370 χ^2/NDF: 1288.7/30

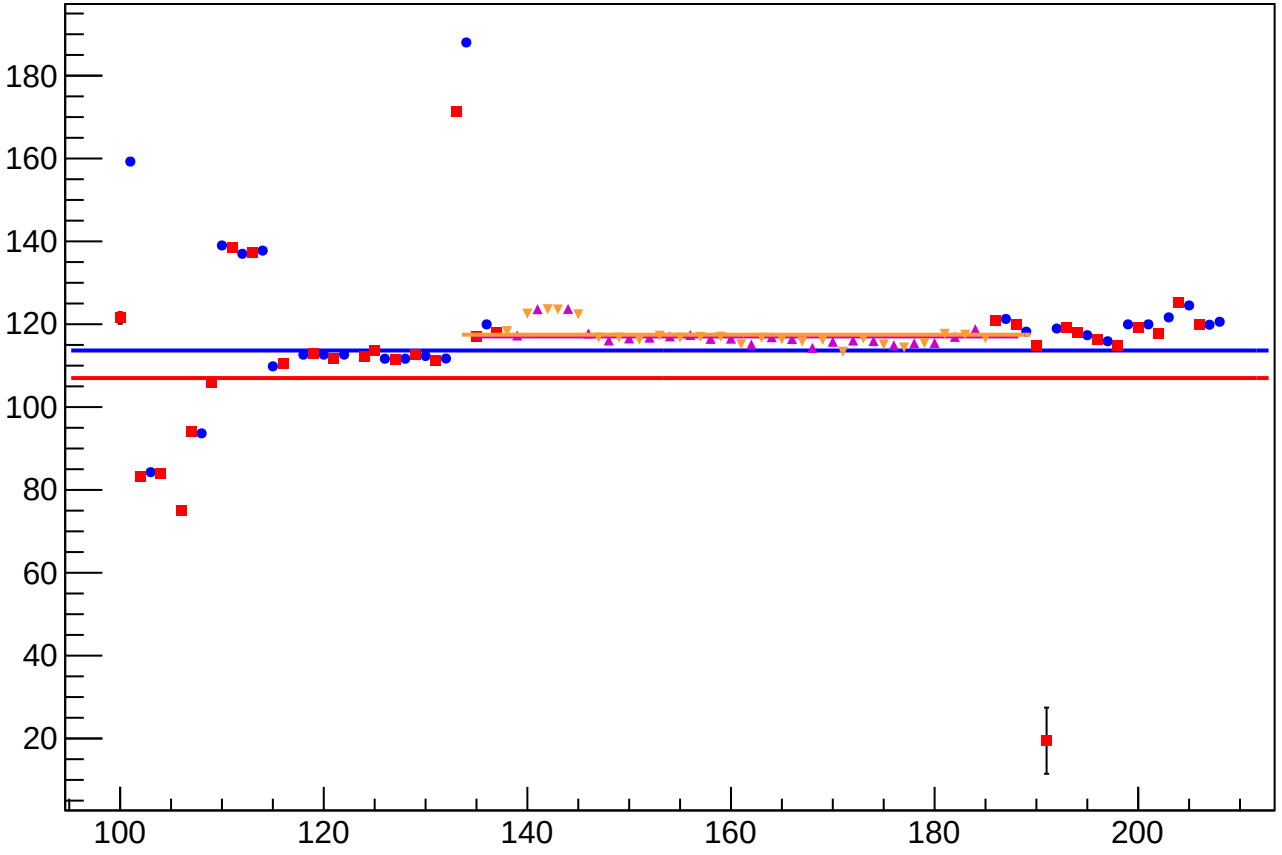
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -76.251+/-0.716 χ^2/NDF: 2034.4/51

All: -75.438+/-0.508 χ^2/NDF: 4127.7/105

- sign -74.610+/-0.722 χ^2/NDF: 2090.7/53

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 113.656+/-0.070 χ^2/NDF: 87403.0/26

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 107.001+/-0.066 χ^2/NDF: 79025.3/30

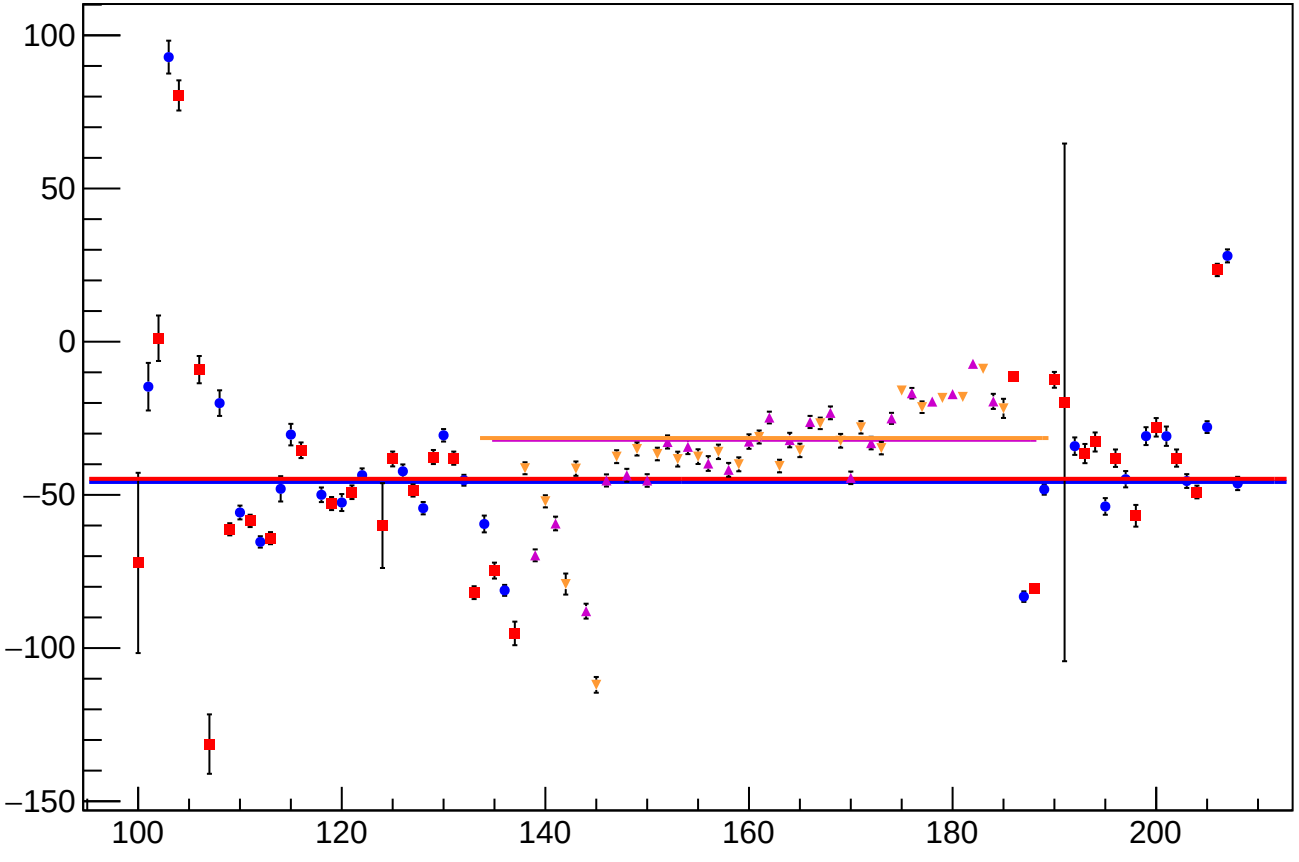
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.603+/-0.033 χ^2/NDF: 94455.1/51

All: 115.537+/-0.024 χ^2/NDF: 196176.6/105

- sign 114.476+/-0.033 χ^2/NDF: 99687.7/53

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -45.777+/-0.453 χ^2/NDF: 3204.5/26

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -44.762+/-0.412 χ^2/NDF: 5386.4/30

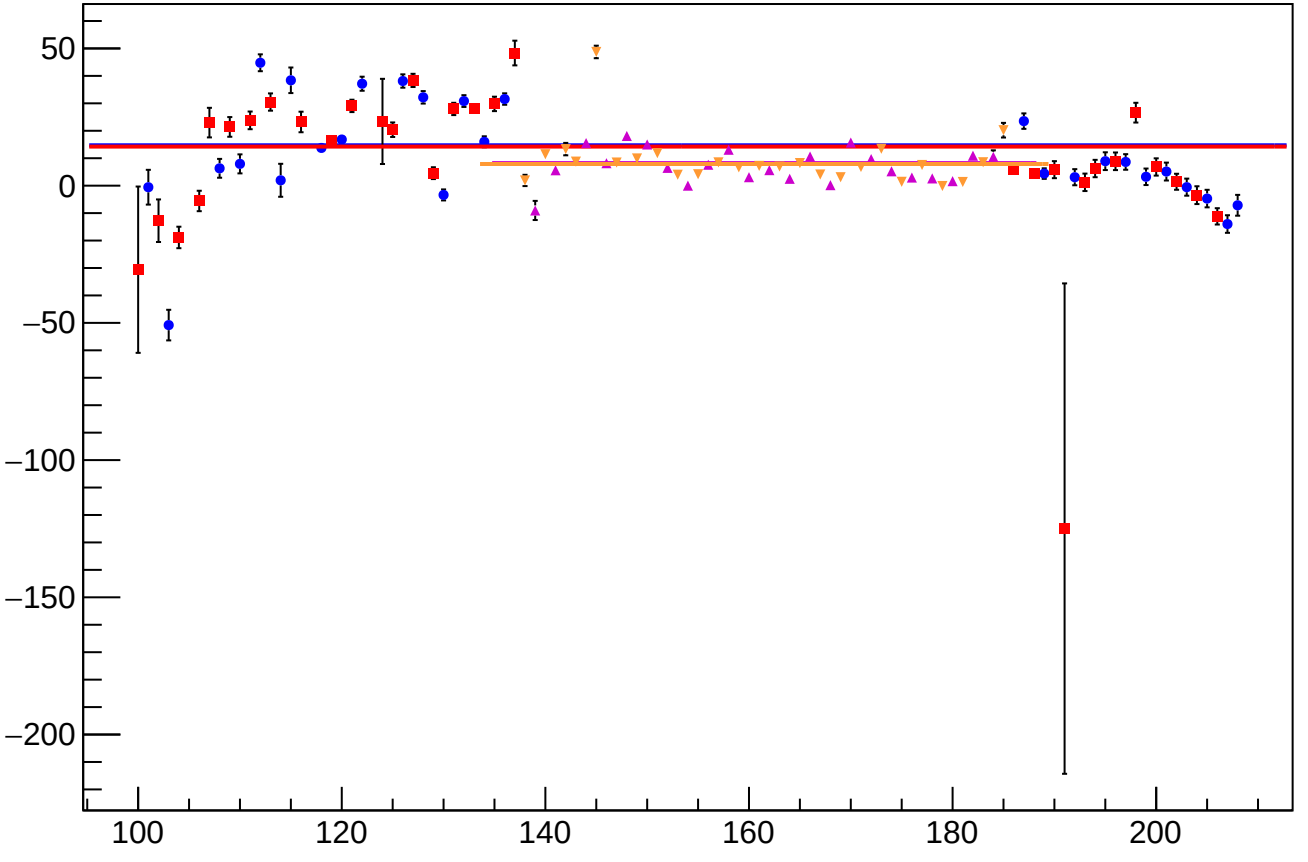
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -37.708+/-0.299 χ^2/NDF: 5759.9/51

All: -38.039+/-0.208 χ^2/NDF: 13544.5/105

- sign -38.349+/-0.290 χ^2/NDF: 7782.2/53

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 14.715+/-0.502 χ^2/NDF: 972.5/26

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 14.238+/-0.466 χ^2/NDF: 812.8/30

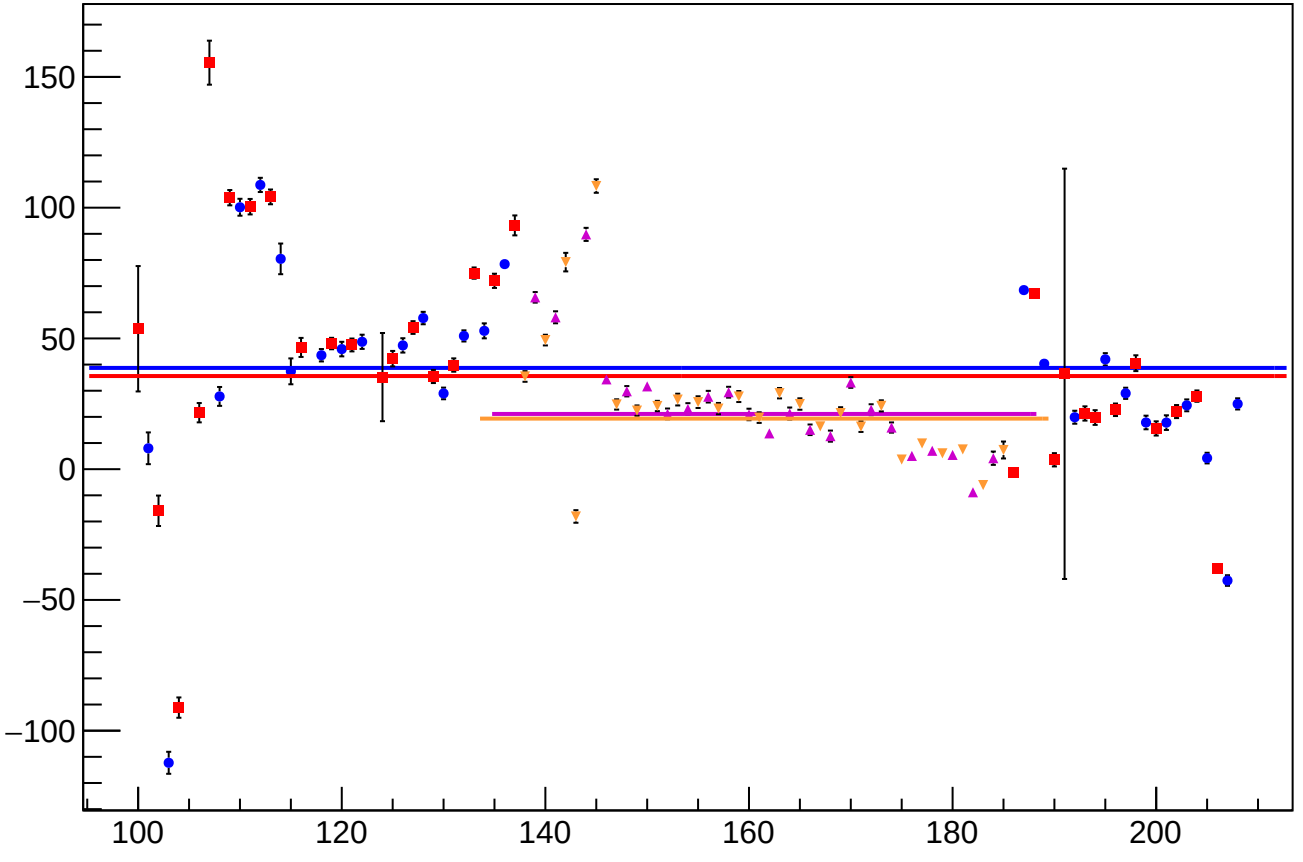
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

+ sign 9.728+/-0.260 χ^2/NDF: 1598.3/51

All: 9.920+/-0.184 χ^2/NDF: 2865.2/105

- sign 10.114+/-0.261 χ^2/NDF: 1265.8/53

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 38.725+/-0.459 χ^2/NDF: 5670.9/26

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 35.615+/-0.394 χ^2/NDF: 9108.5/30

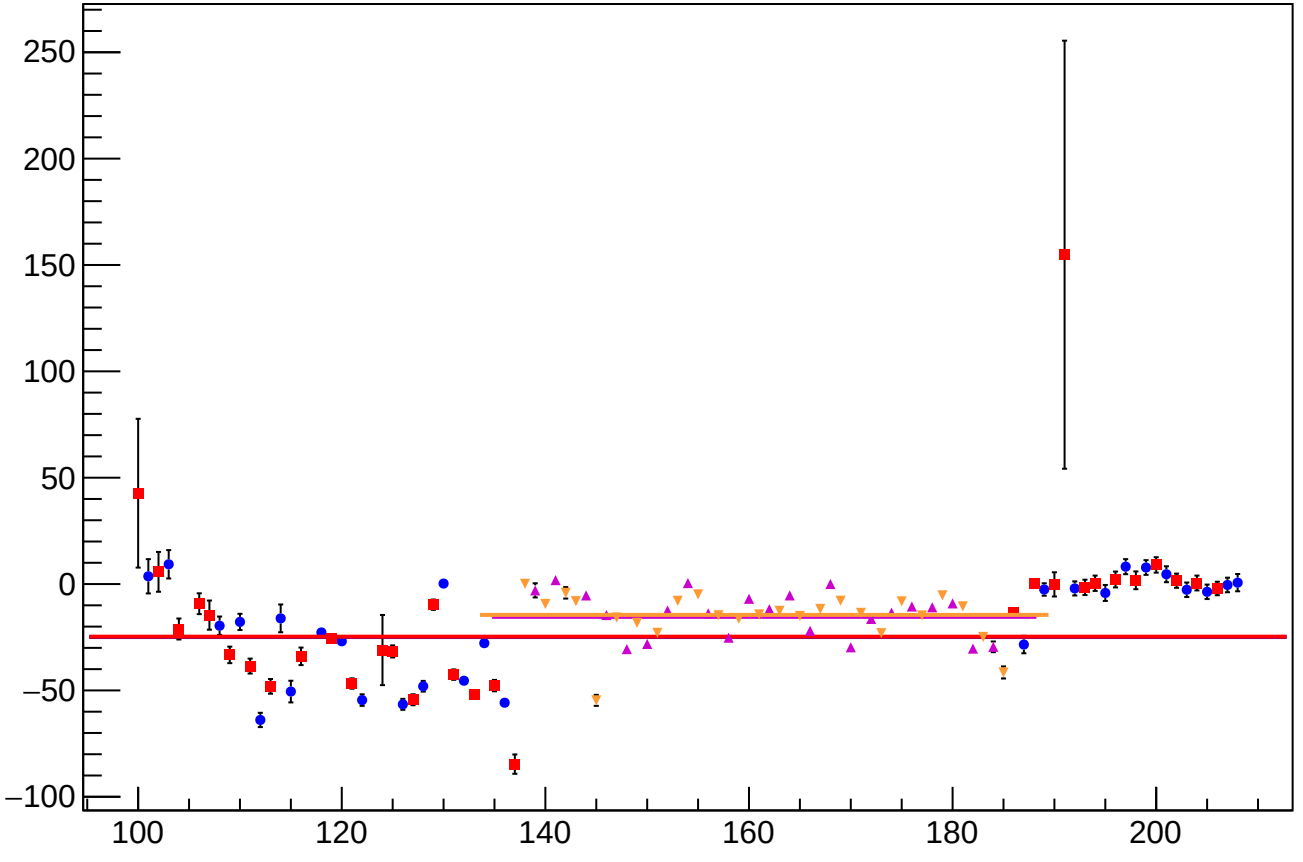
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

\+ sign 27.608+/-0.300 χ^2/NDF: 9377.7/51

All: 28.114+/-0.205 χ^2/NDF: 21654.3/105

\- sign 28.563+/-0.282 χ^2/NDF: 12271.2/53

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -24.904+/-0.584 χ^2/NDF: 1533.5/26

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -24.739+/-0.565 χ^2/NDF: 1505.6/30

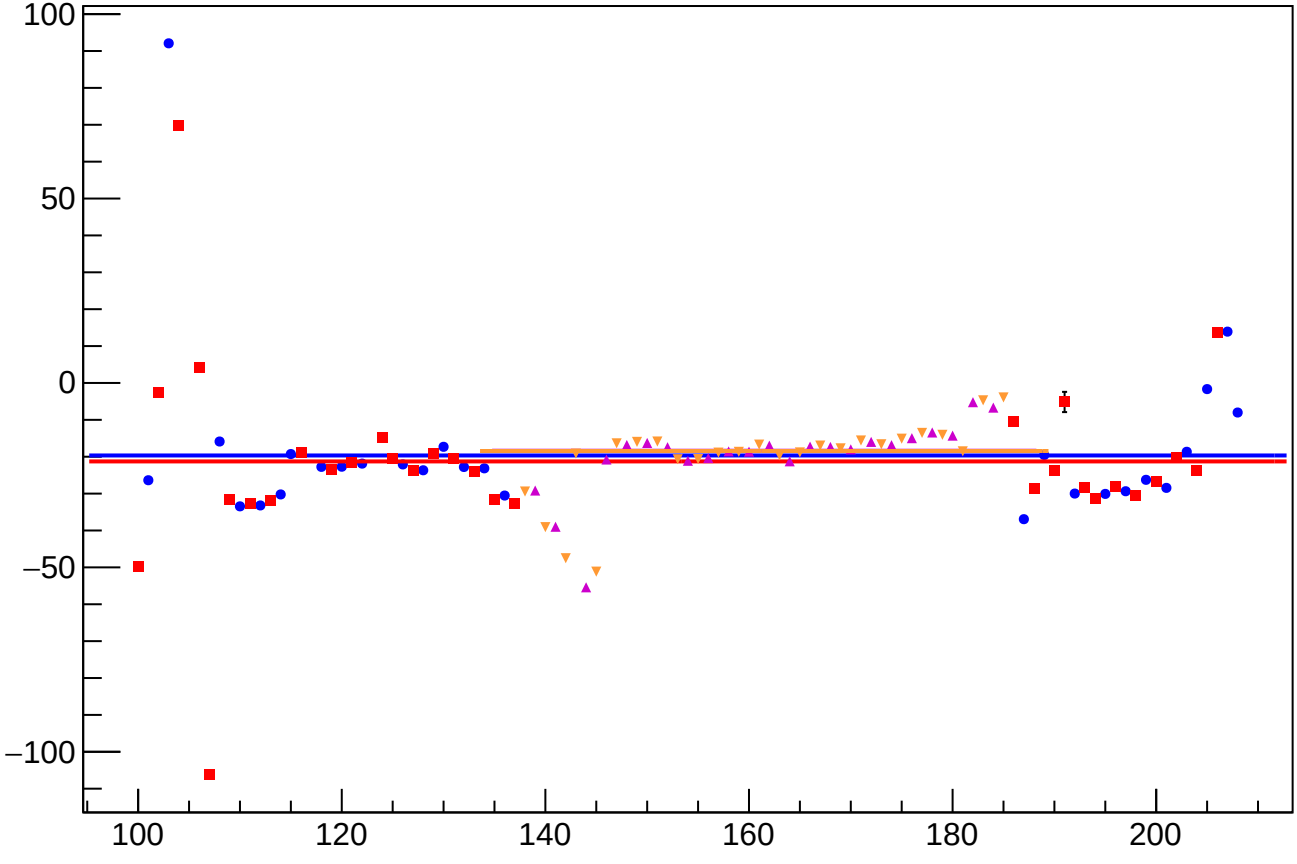
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -17.181+/-0.296 χ^2/NDF: 2410.0/51

All: -17.615+/-0.211 χ^2/NDF: 4913.9/105

- sign -18.061+/-0.301 χ^2/NDF: 2499.6/53

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -19.660+/-0.028 χ^2/NDF: 554909.0/26

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -21.274+/-0.028 χ^2/NDF: 466225.8/30

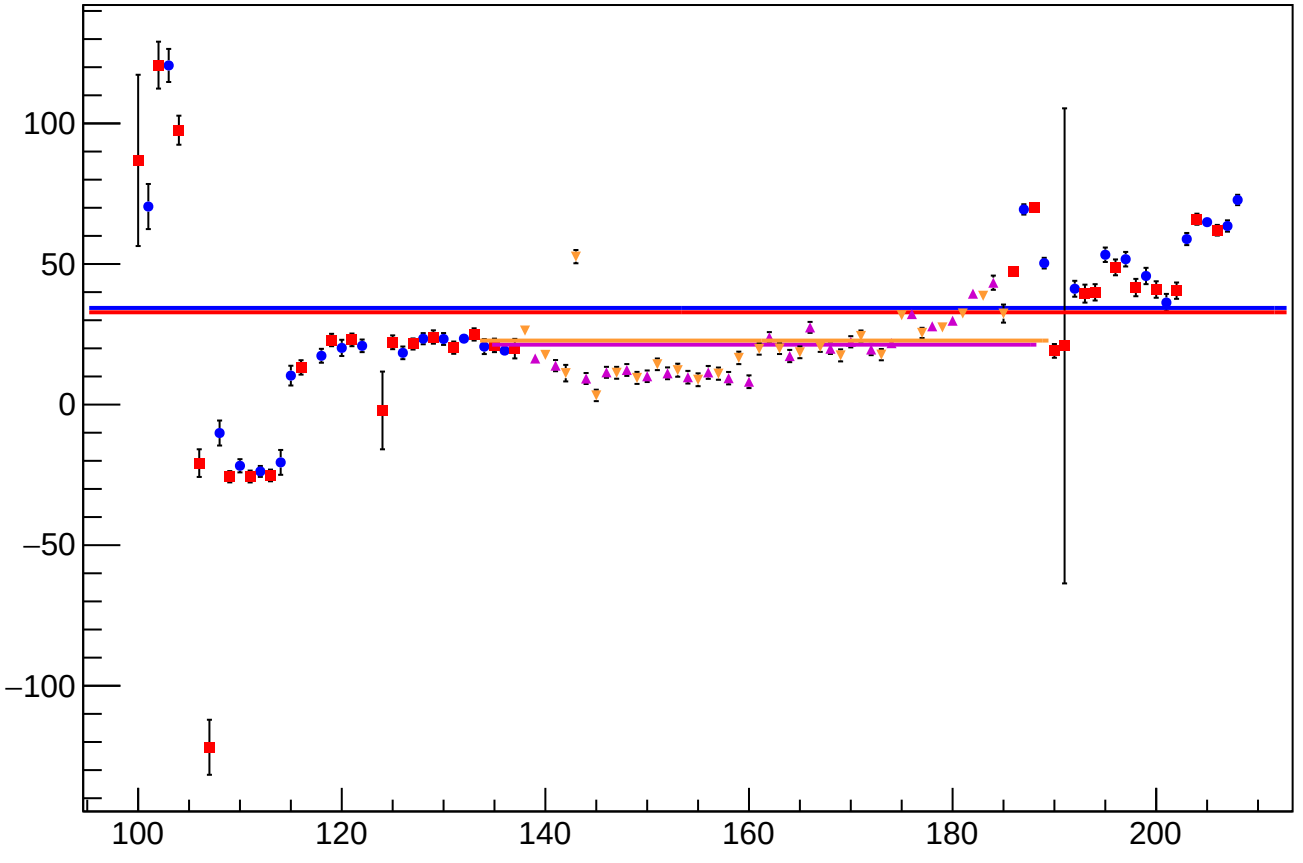
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -18.728+/-0.014 χ^2/NDF: 851673.5/51

All: -18.899+/-0.010 χ^2/NDF: 1576368.4/105

- sign -19.073+/-0.014 χ^2/NDF: 724376.0/53

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 34.381+/-0.450 χ^2/NDF: 3982.1/26

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 32.828+/-0.426 χ^2/NDF: 5230.4/30

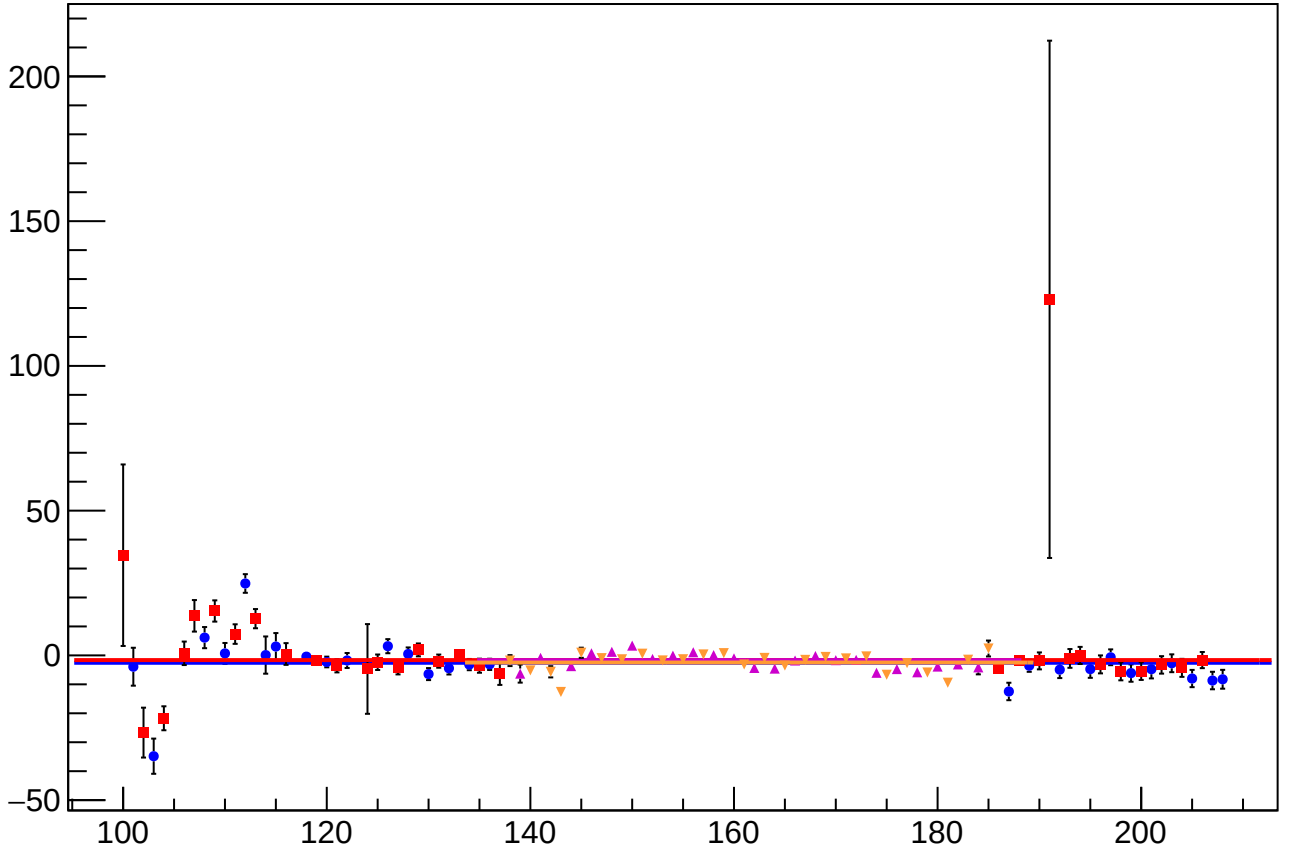
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 27.639+/-0.291 χ^2/NDF: 5091.5/51

All: 27.119+/-0.205 χ^2/NDF: 11352.1/105

- sign 26.607+/-0.289 χ^2/NDF: 6254.2/53

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.547+/-0.504 χ^2/NDF: 147.8/26

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.625+/-0.482 χ^2/NDF: 106.4/30

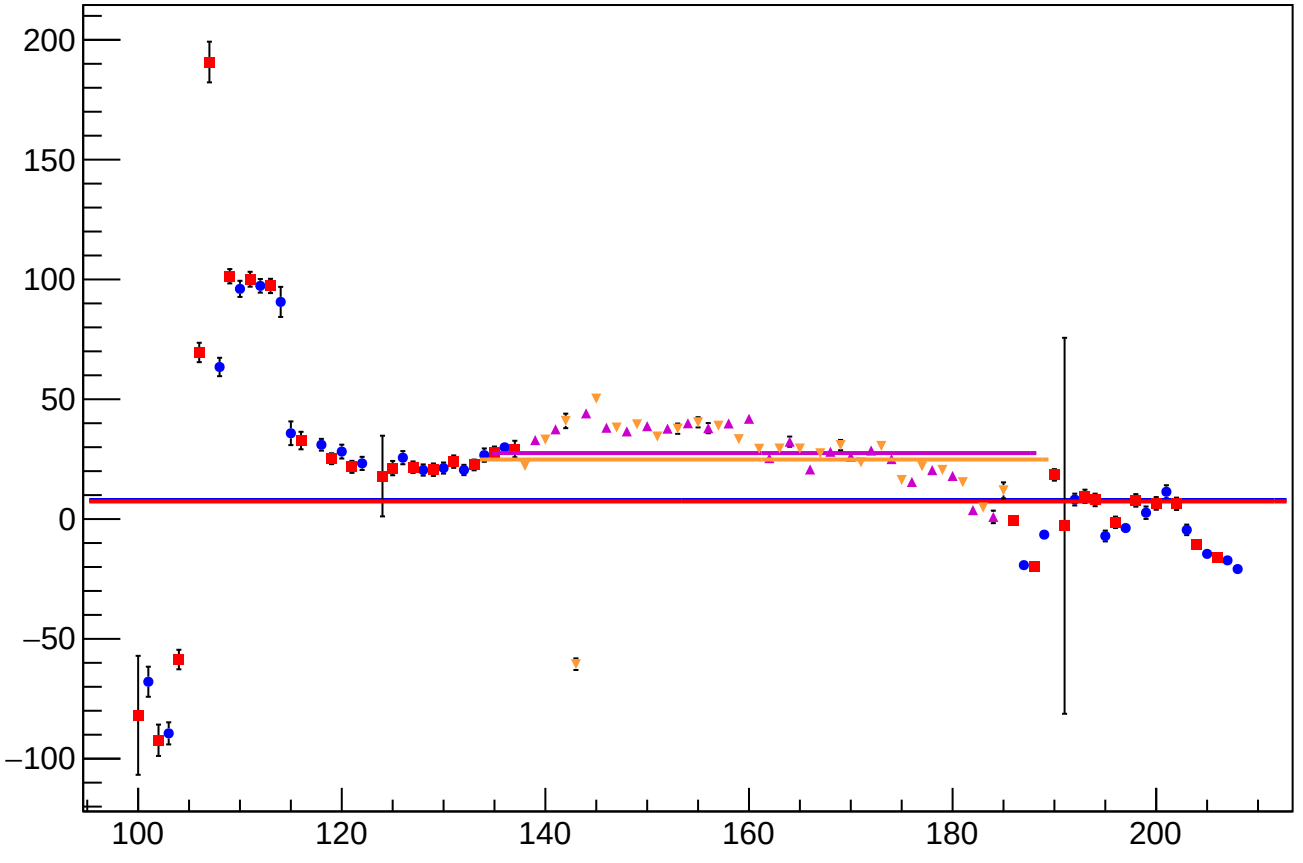
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.488+/-0.253 χ^2/NDF: 264.6/51

All: -2.075+/-0.180 χ^2/NDF: 446.5/105

- sign -1.650+/-0.257 χ^2/NDF: 176.6/53

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 7.958+/-0.457 χ^2/NDF: 4277.1/26

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 7.329+/-0.414 χ^2/NDF: 5746.2/30

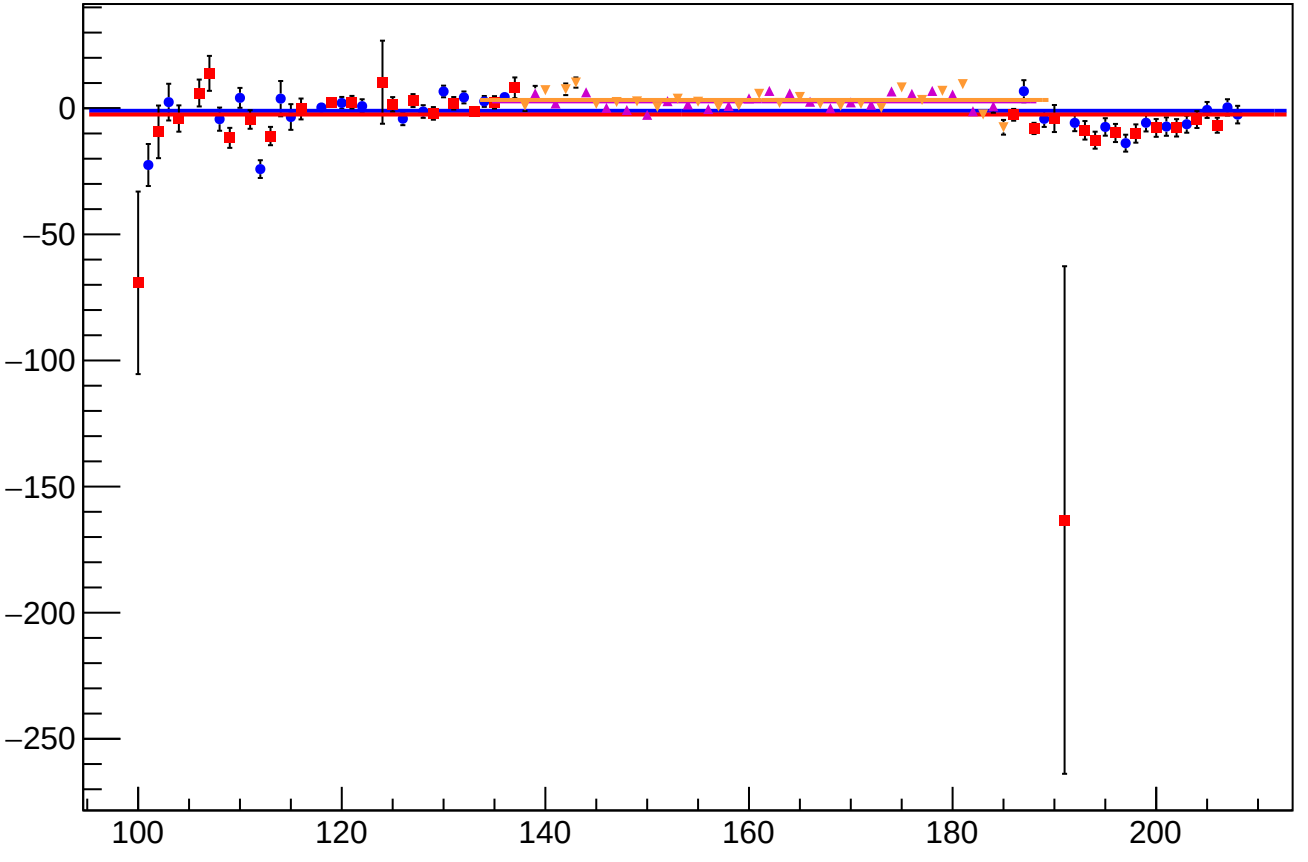
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 17.953+/-0.292 χ^2/NDF: 7133.5/51

All: 18.015+/-0.203 χ^2/NDF: 15029.0/105

- sign 18.074+/-0.283 χ^2/NDF: 7895.4/53

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.015+/-0.582 χ^2/NDF: 115.9/26

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -2.485+/-0.577 χ^2/NDF: 91.2/30

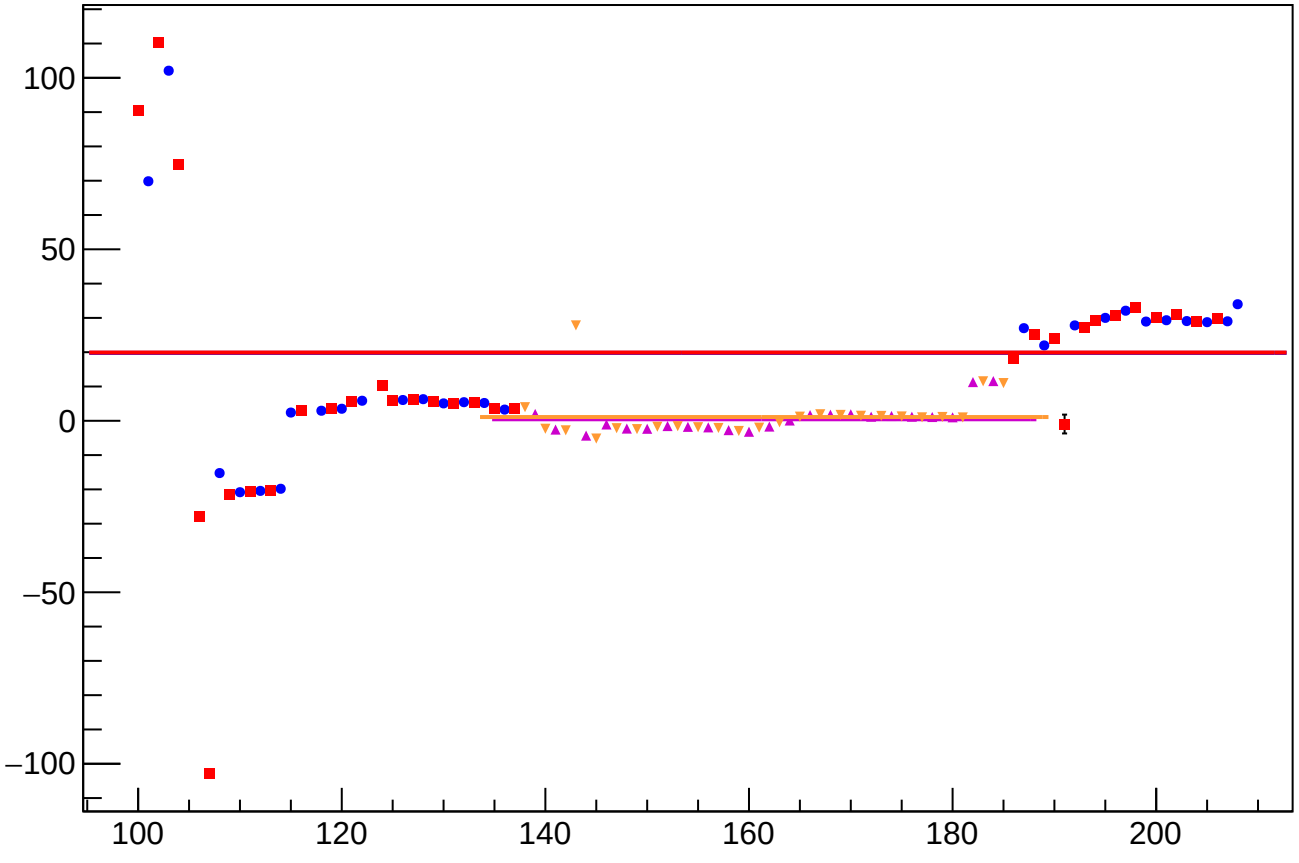
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.234+/-0.288 χ^2/NDF: 263.4/51

All: 1.814+/-0.206 χ^2/NDF: 493.8/105

- sign 1.375+/-0.294 χ^2/NDF: 226.1/53

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 19.805+/-0.028 χ^2/NDF: 483379.3/26

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 19.902+/-0.028 χ^2/NDF: 623644.3/30

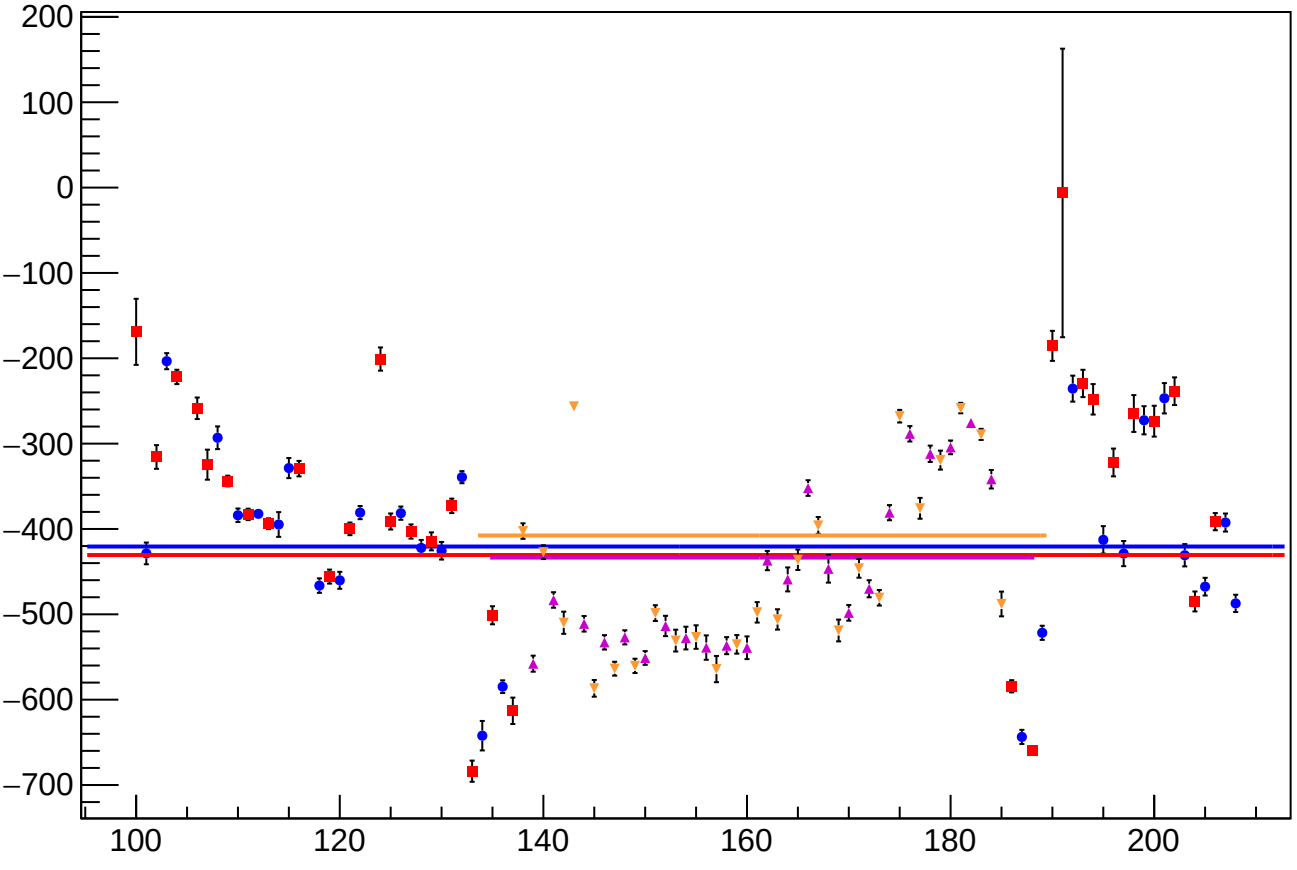
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 5.266+/-0.013 χ^2/NDF: 966785.7/51

All: 5.065+/-0.009 χ^2/NDF: 2021754.6/105

- sign 4.857+/-0.013 χ^2/NDF: 1054486.5/53

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -420.565+/-1.881 χ^2/NDF: 2899.2/26

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -430.547+/-1.732 χ^2/NDF: 6347.1/30

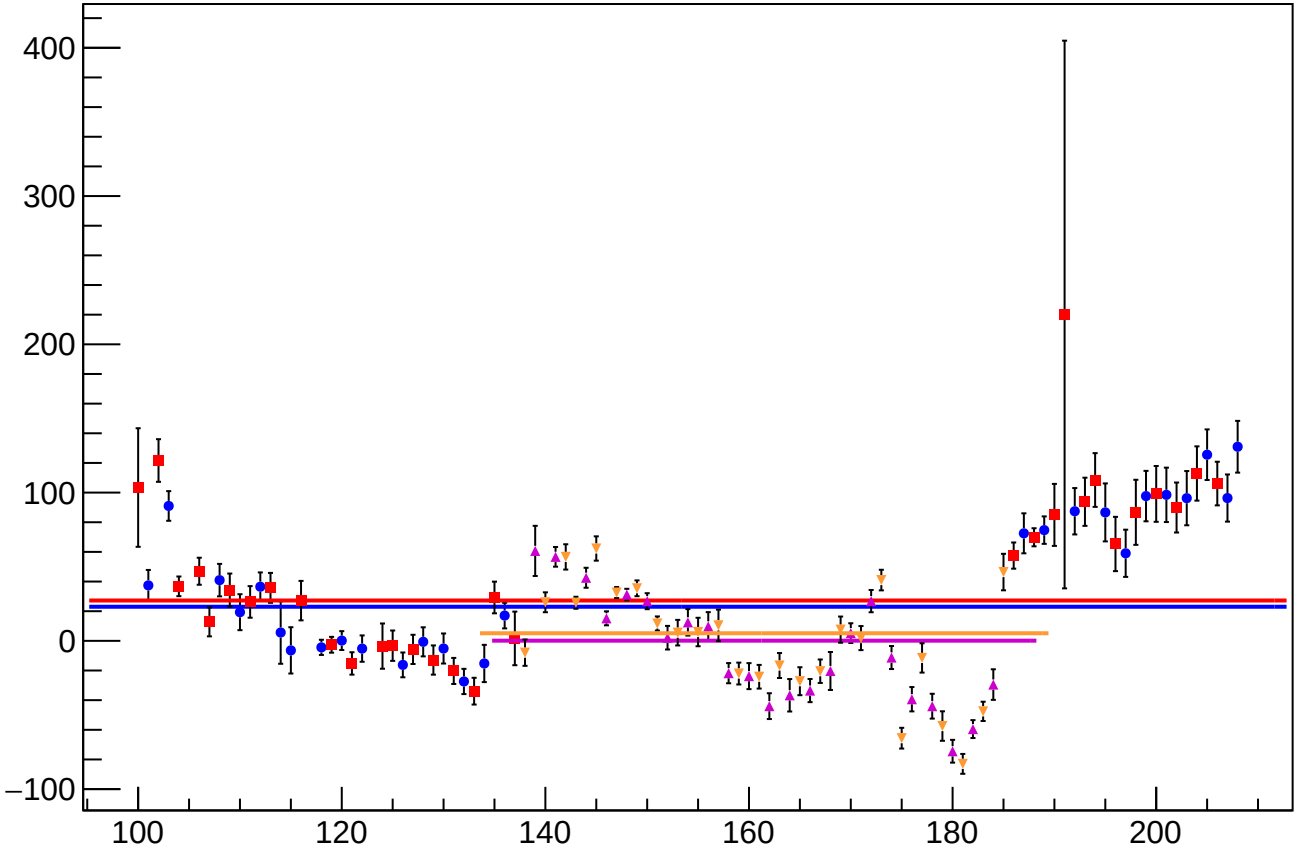
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -414.047+/-1.325 χ^2/NDF: 6928.7/51

All: -423.060+/-0.931 χ^2/NDF: 16092.8/105

- sign -431.830+/-1.307 χ^2/NDF: 9072.9/53

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 23.006+/-2.029 χ^2/NDF: 414.2/26

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 27.212+/-1.907 χ^2/NDF: 434.7/30

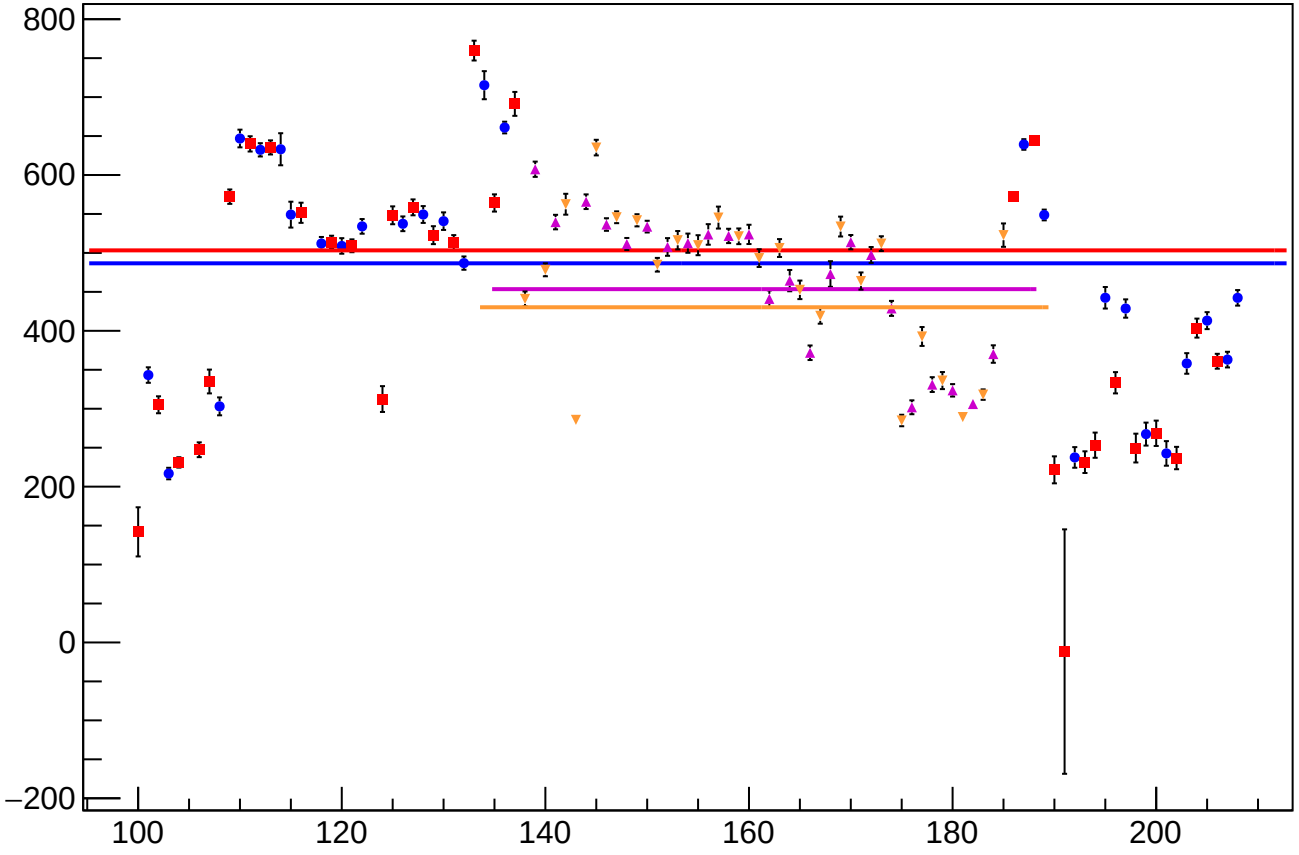
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

\+ sign 10.773+/-1.140 χ^2/NDF: 1156.5/51

All: 10.586+/-0.818 χ^2/NDF: 2285.1/105

\- sign 10.388+/-1.174 χ^2/NDF: 1128.6/53

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 486.645+/-1.946 χ^2/NDF: 4914.6/26

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 503.267+/-1.736 χ^2/NDF: 8066.8/30

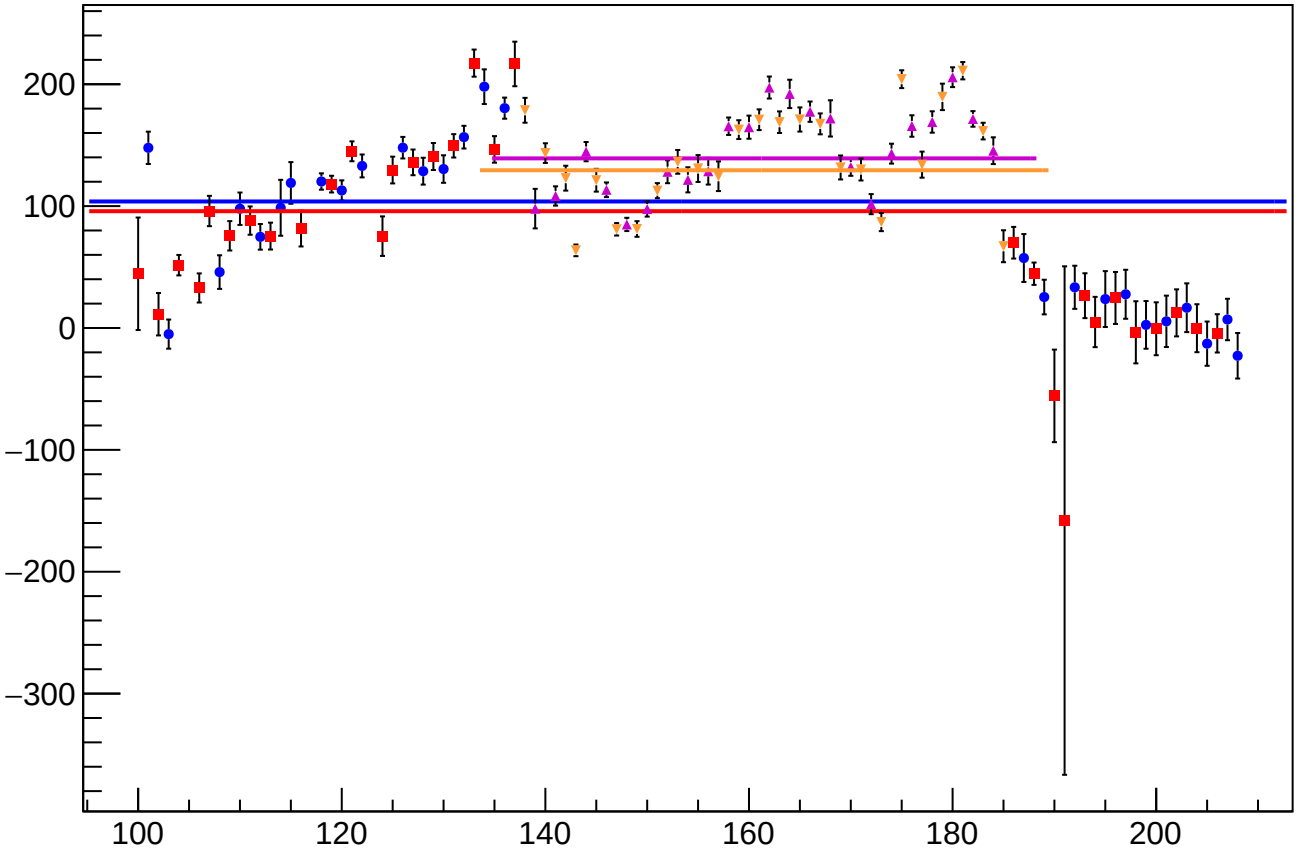
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

\+ sign 457.190+/-1.345 χ^2/NDF: 8758.6/51

All: 469.753+/-0.936 χ^2/NDF: 19772.8/105

\- sign 481.558+/-1.304 χ^2/NDF: 10845.0/53

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 103.812+/-2.379 χ^2/NDF: 592.3/26

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 95.841+/-2.274 χ^2/NDF: 608.1/30

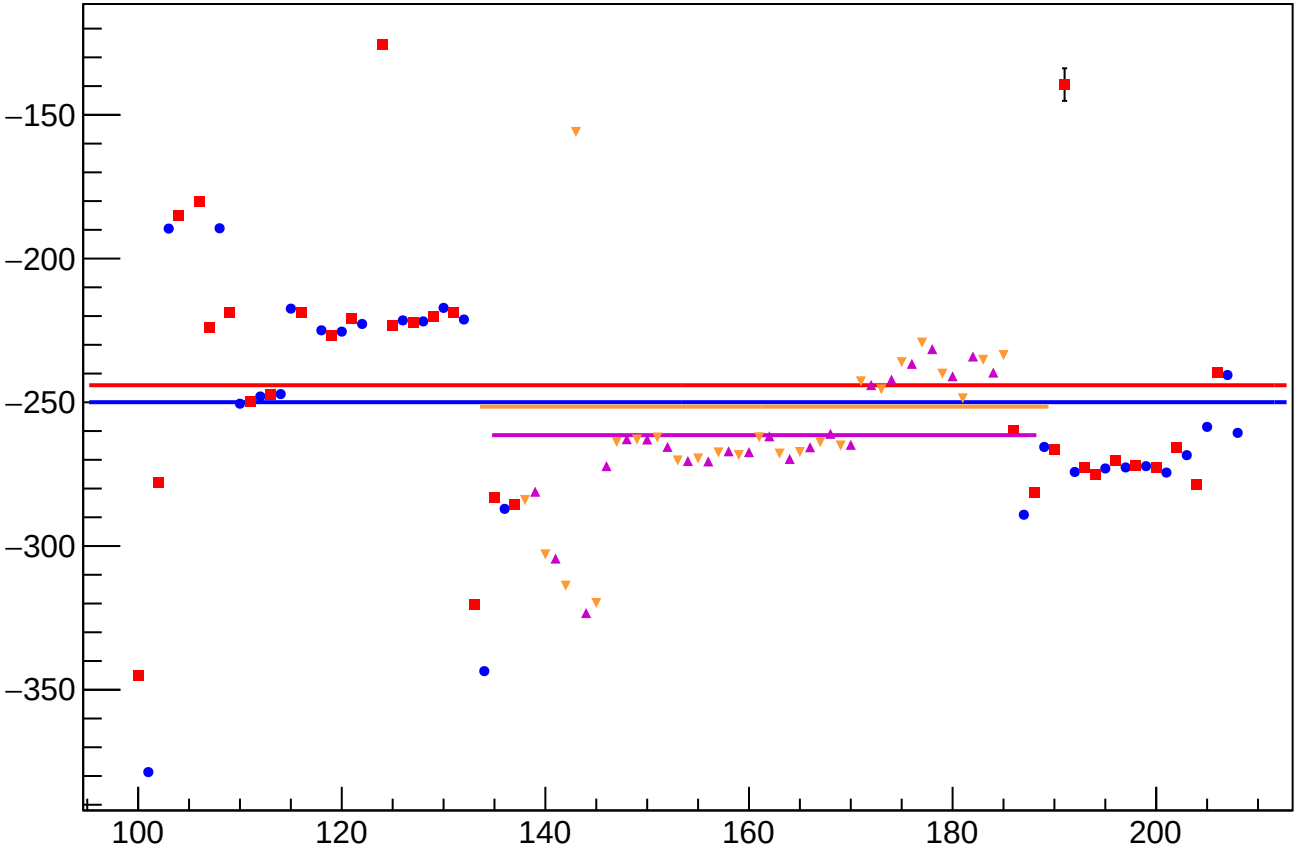
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 121.493+/-1.323 χ^2/NDF: 1486.6/51

All: 122.501+/-0.950 χ^2/NDF: 2762.4/105

- sign 123.572+/-1.364 χ^2/NDF: 1274.6/53

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -249.961+/-0.121 χ^2/NDF: 148446.9/26

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -244.061+/-0.117 χ^2/NDF: 112531.2/30

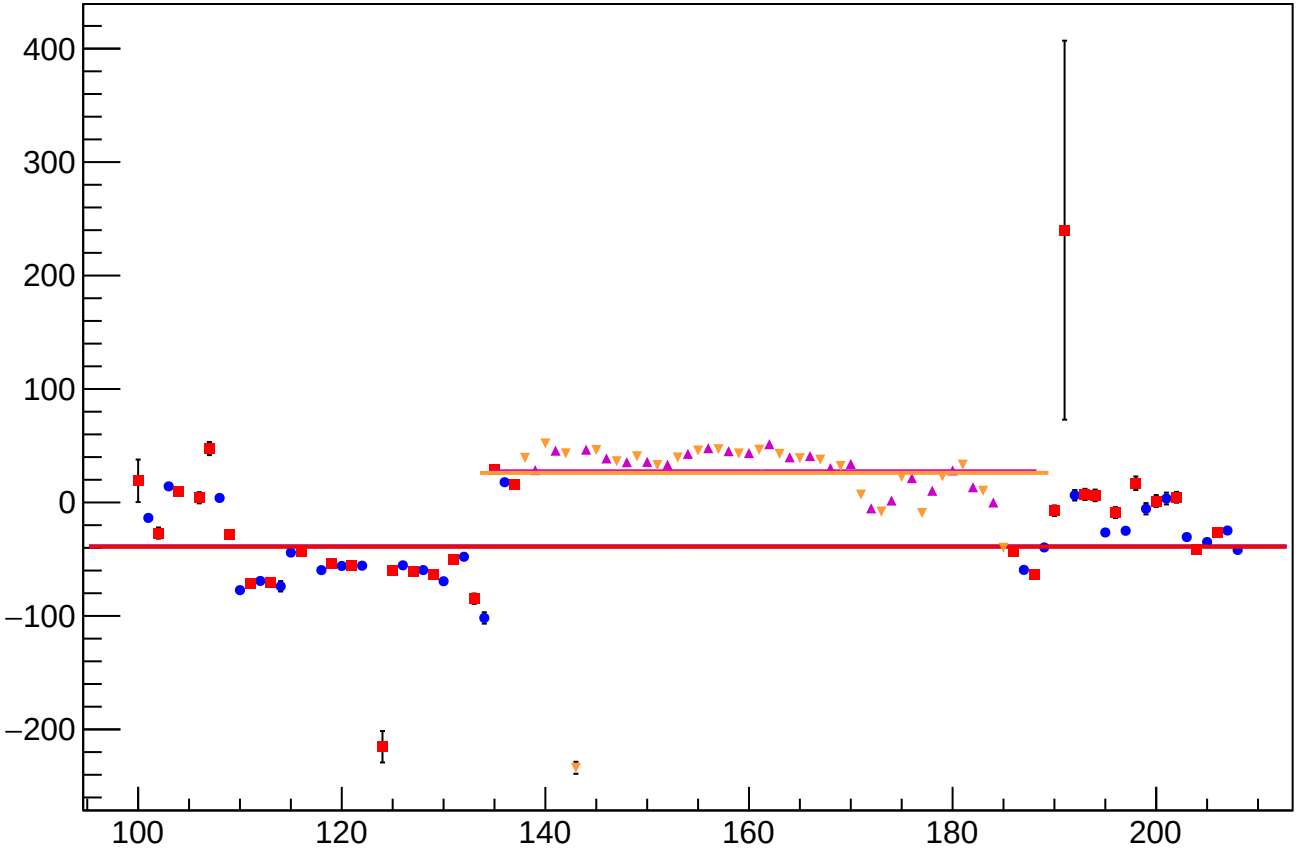
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -251.084+/-0.064 χ^2/NDF: 403489.3/51

All: -253.550+/-0.045 χ^2/NDF: 603833.6/105

- sign -256.125+/-0.065 χ^2/NDF: 197264.2/53

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -38.735+/-0.588 χ^2/NDF: 2742.4/26

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -38.967+/-0.535 χ^2/NDF: 3259.1/30

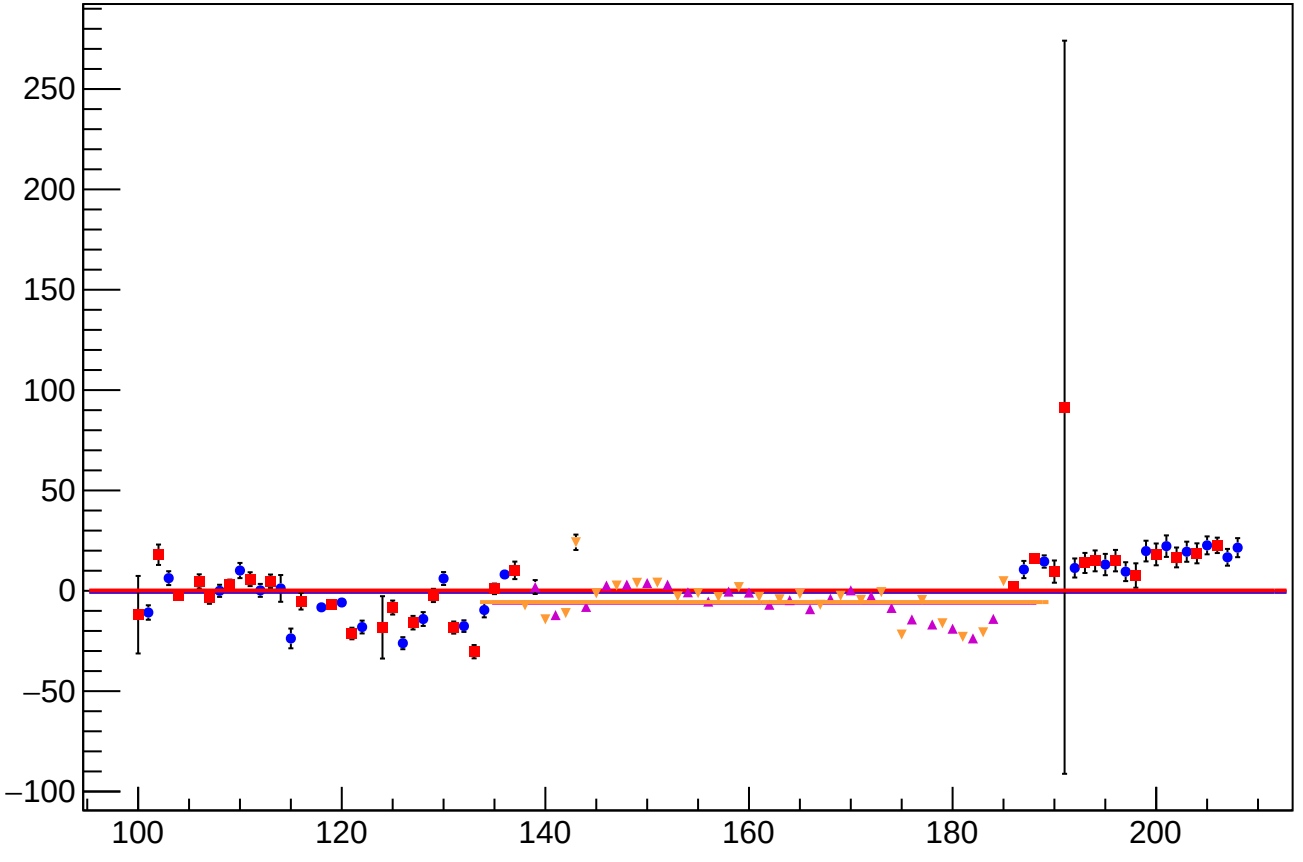
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 6.305+/-0.325 χ^2/NDF: 15971.5/51

All: 5.109+/-0.227 χ^2/NDF: 30834.0/105

- sign 3.962+/-0.318 χ^2/NDF: 14835.8/53

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.509+/-0.657 χ^2/NDF: 407.3/26

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: 0.128+/-0.615 χ^2/NDF: 405.9/30

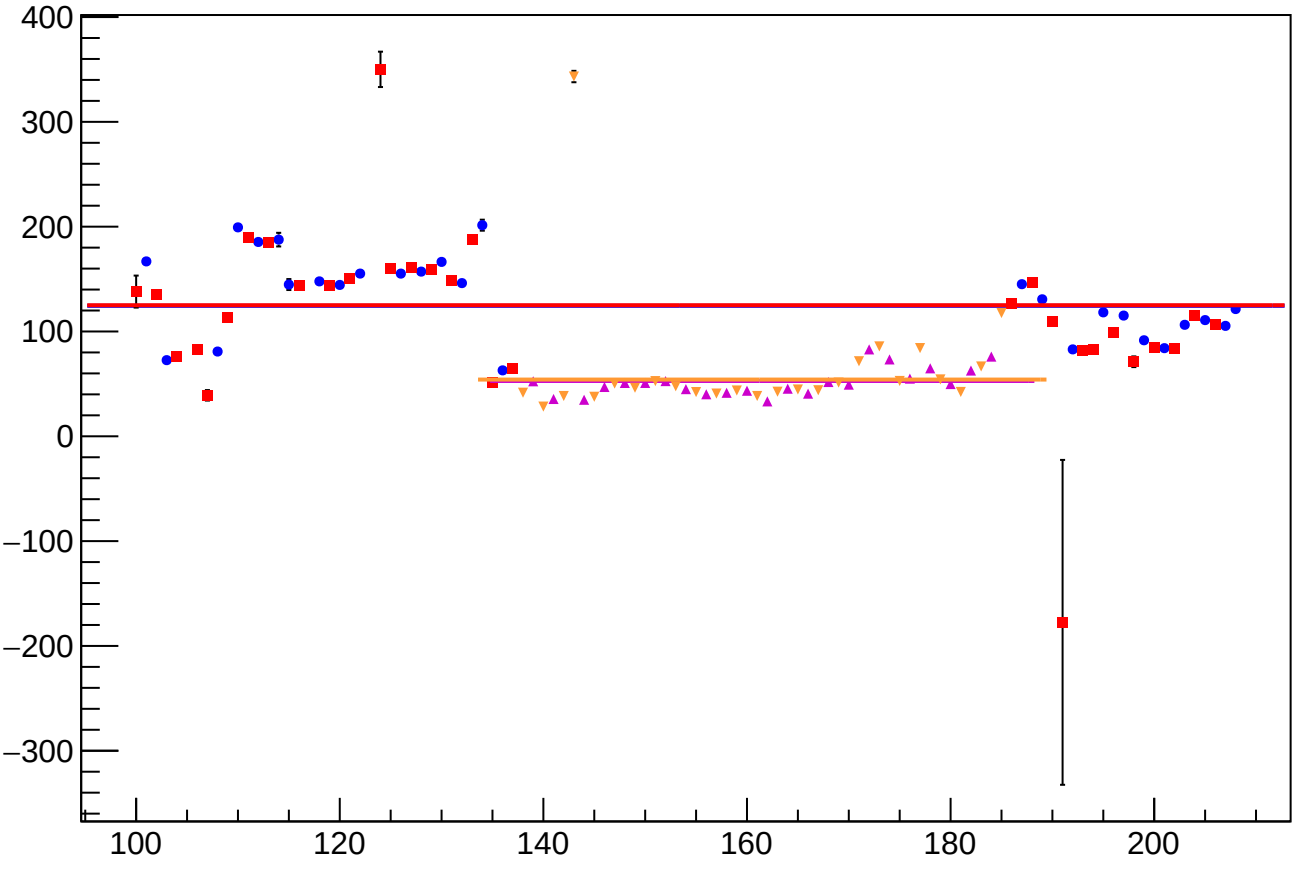
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

\+ sign -4.734+/-0.274 χ^2/NDF: 1350.6/51

All: -4.726+/-0.195 χ^2/NDF: 2546.4/105

\- sign -4.717+/-0.276 χ^2/NDF: 1195.8/53

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 124.493+/-0.603 χ^2/NDF: 4113.4/26

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 125.037+/-0.538 χ^2/NDF: 4418.5/30

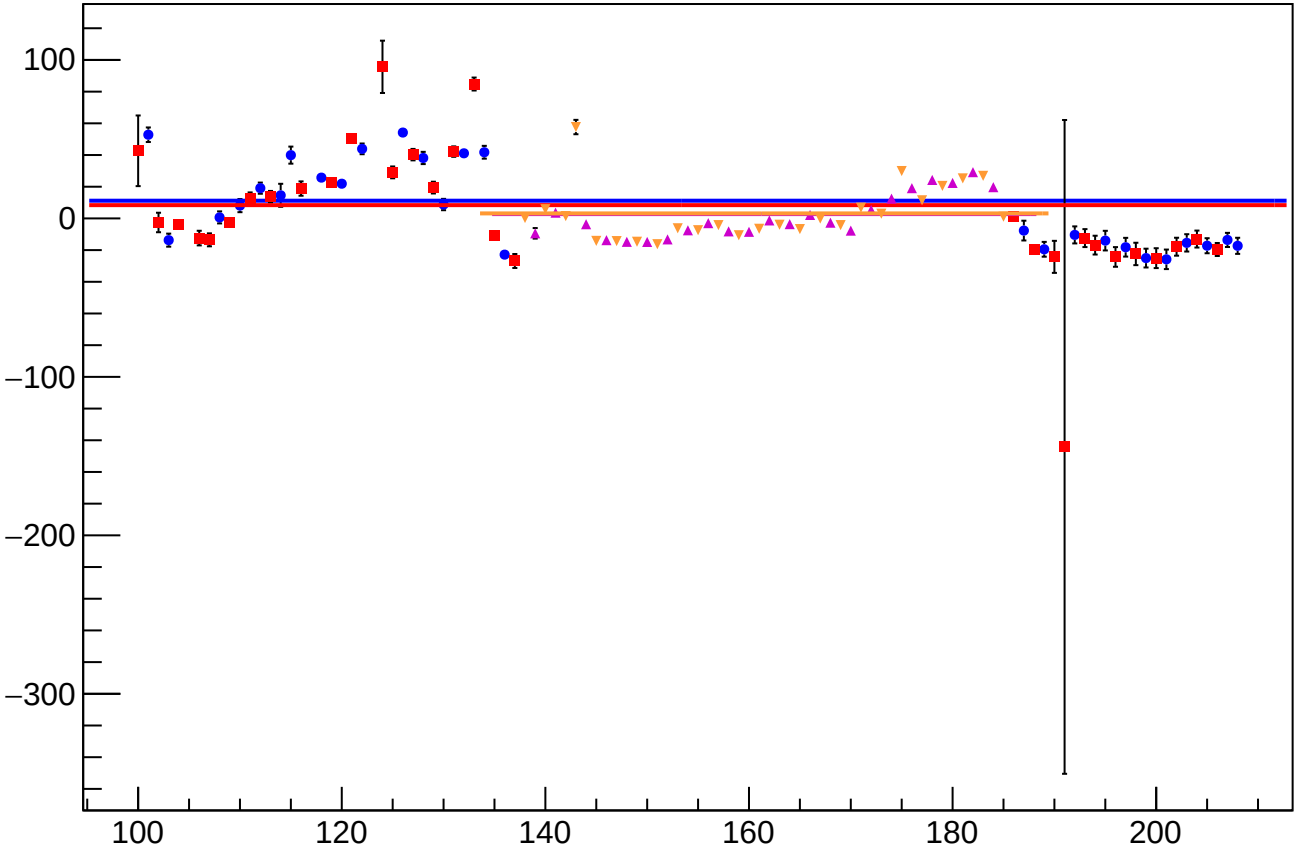
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 74.650+/-0.326 χ^2/NDF: 18336.2/51

All: 76.317+/-0.227 χ^2/NDF: 35546.8/105

- sign 77.895+/-0.317 χ^2/NDF: 17159.7/53

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 11.175+/-0.759 χ^2/NDF: 1246.1/26

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 8.374+/-0.730 χ^2/NDF: 1314.7/30

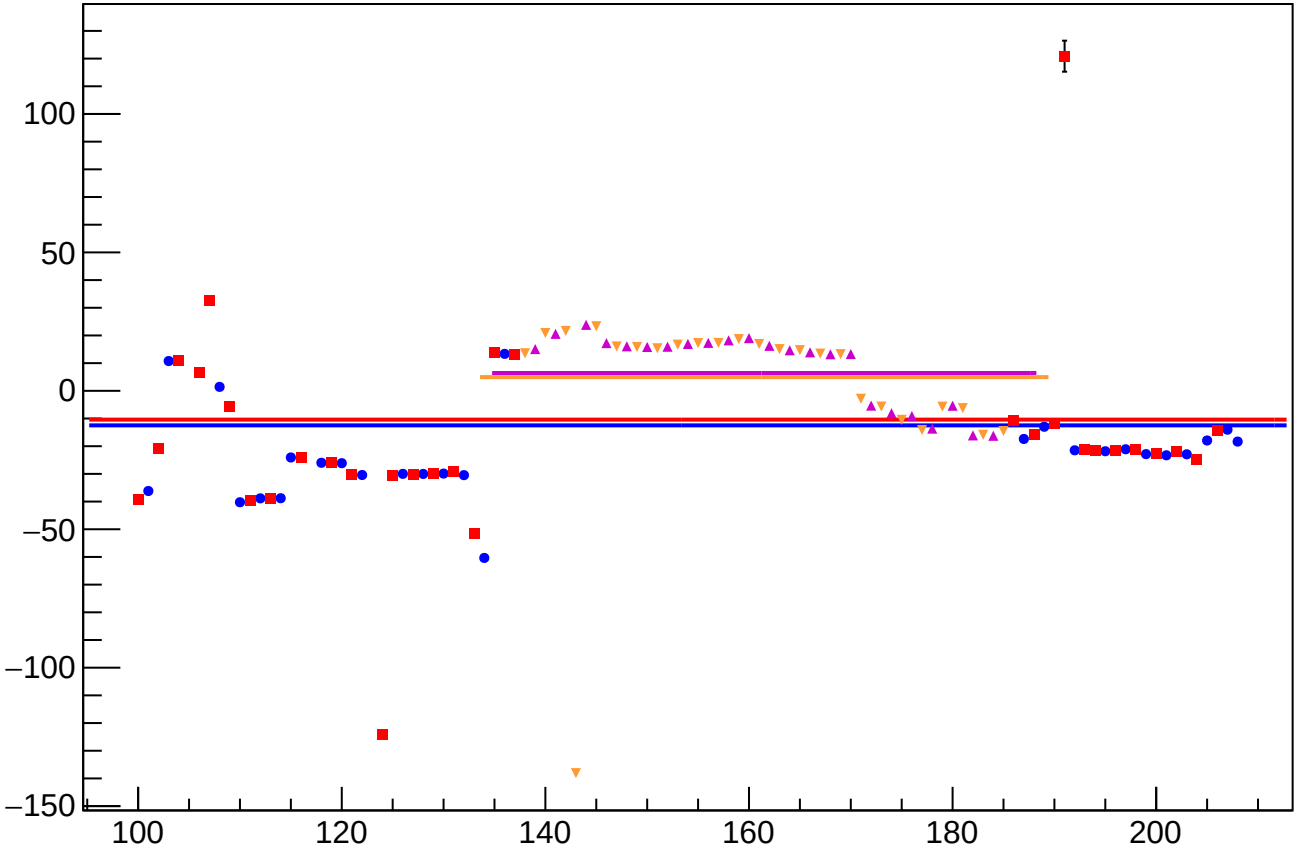
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 4.494+/-0.310 χ^2/NDF: 3351.4/51

All: 4.131+/-0.220 χ^2/NDF: 6452.9/105

- sign 3.761+/-0.313 χ^2/NDF: 3098.7/53

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -12.477+/-0.036 χ^2/NDF: 296281.9/26

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -10.398+/-0.036 χ^2/NDF: 273879.3/30

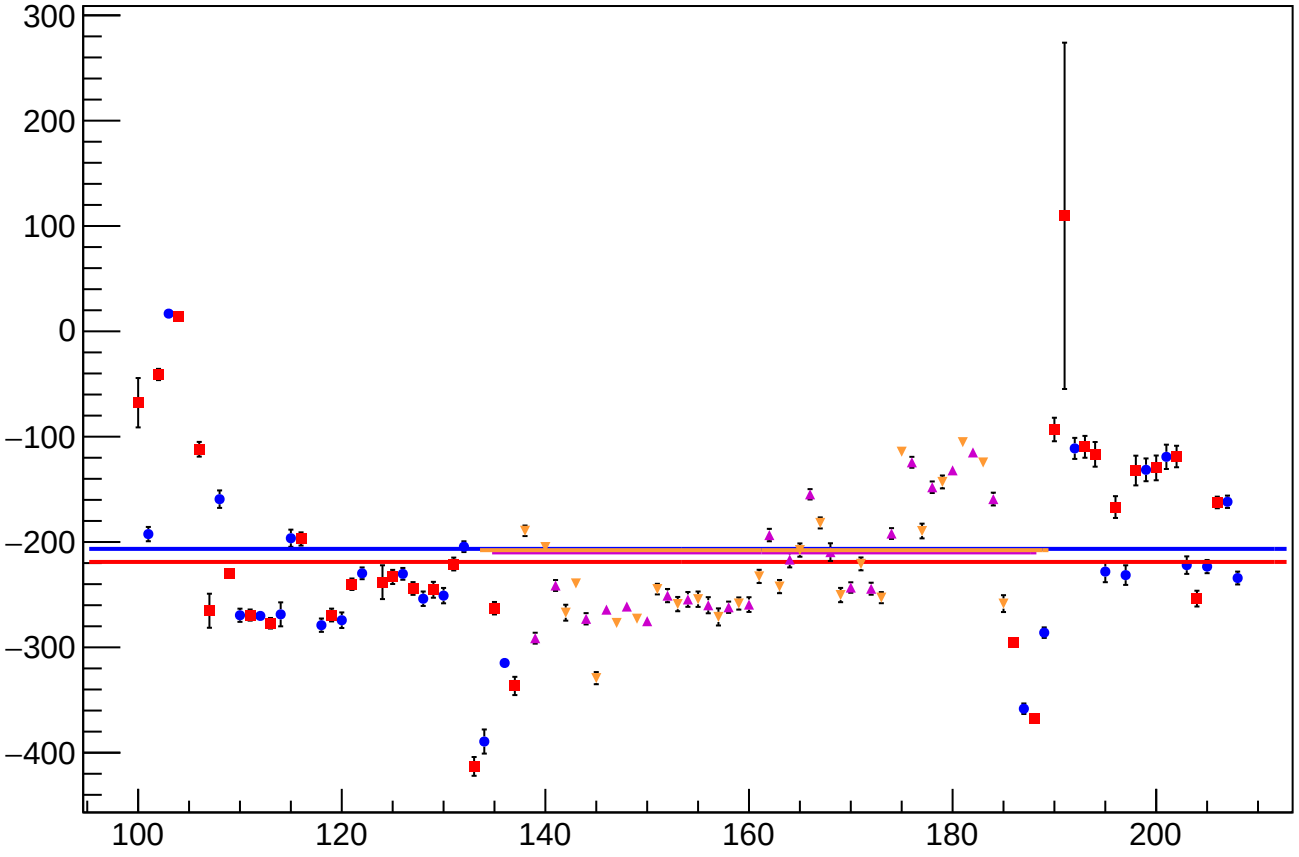
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 2.316+/-0.014 χ^2/NDF: 1630630.7/51

All: 3.083+/-0.010 χ^2/NDF: 2825238.3/105

- sign 3.860+/-0.014 χ^2/NDF: 1188583.3/53

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -206.514+/-1.178 χ^2/NDF: 8814.3/26

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -218.913+/-1.089 χ^2/NDF: 12297.3/30

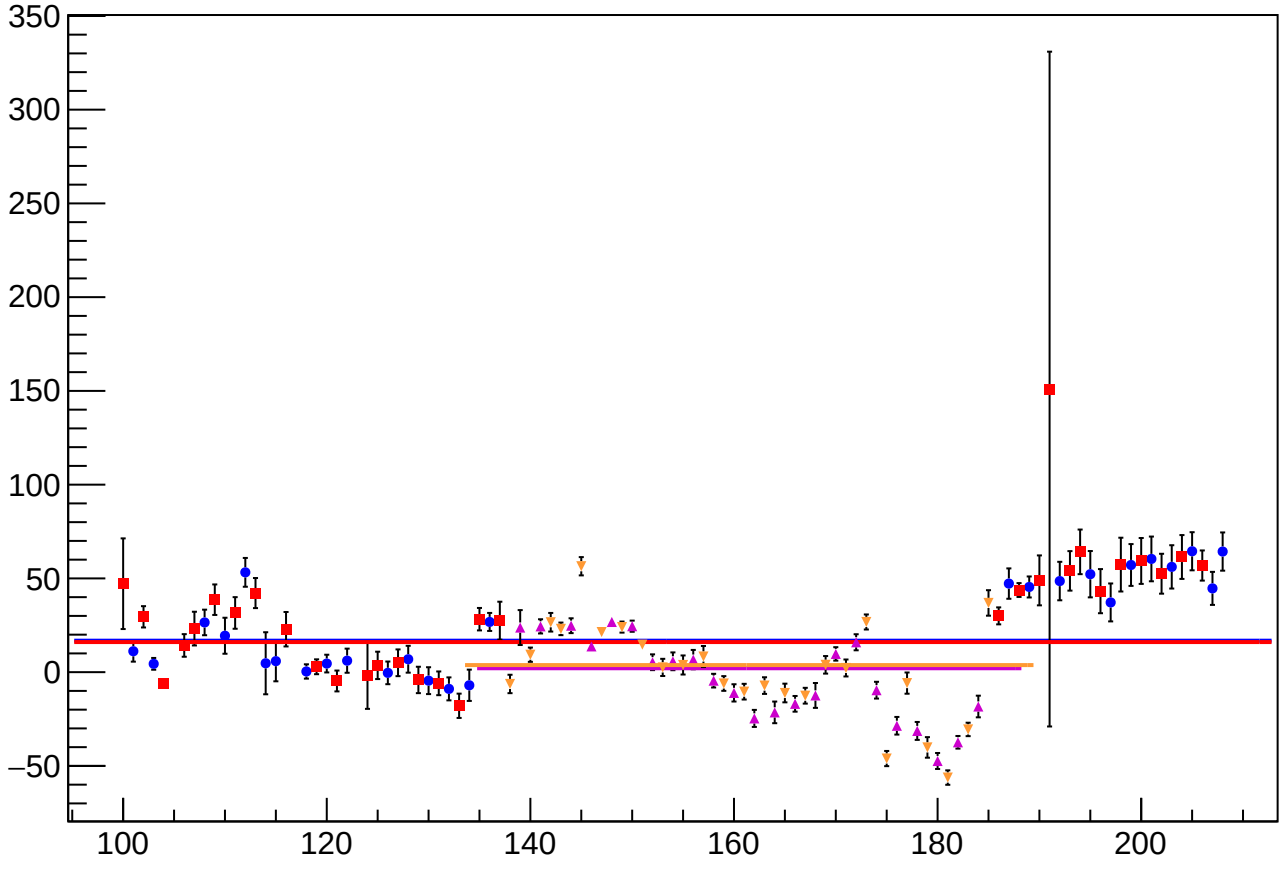
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -207.188+/-0.792 χ^2/NDF: 12302.1/51

All: -210.897+/-0.554 χ^2/NDF: 27688.2/105

- sign -214.443+/-0.774 χ^2/NDF: 15343.2/53

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 16.783+/-1.279 χ^2/NDF: 273.5/26

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 16.053+/-1.164 χ^2/NDF: 379.3/30

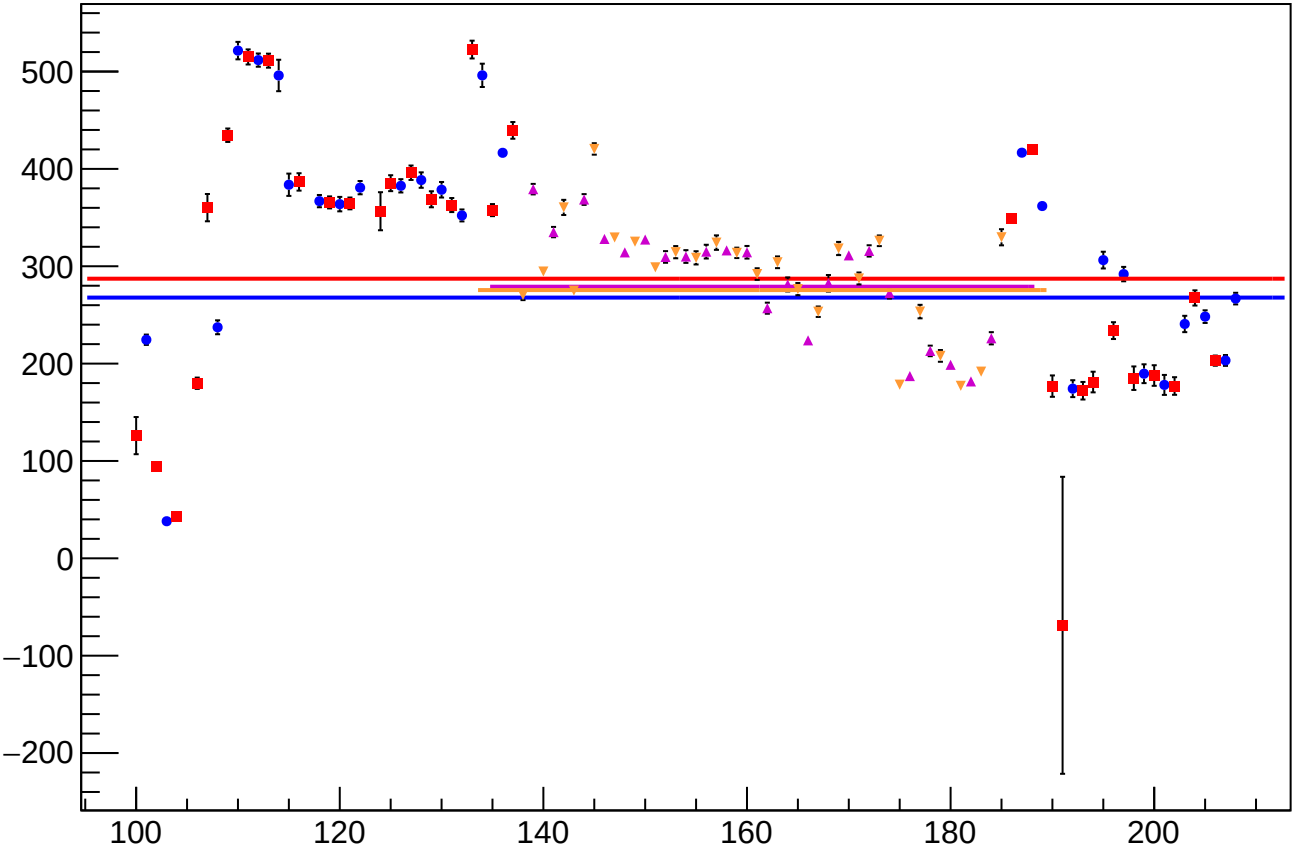
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

+ sign 7.345+/-0.670 χ^2/NDF: 1320.7/51

All: 7.031+/-0.474 χ^2/NDF: 2567.0/105

- sign 6.716+/-0.670 χ^2/NDF: 1245.9/53

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 267.816+/-1.136 χ^2/NDF: 17747.6/26

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 287.216+/-1.020 χ^2/NDF: 22158.7/30

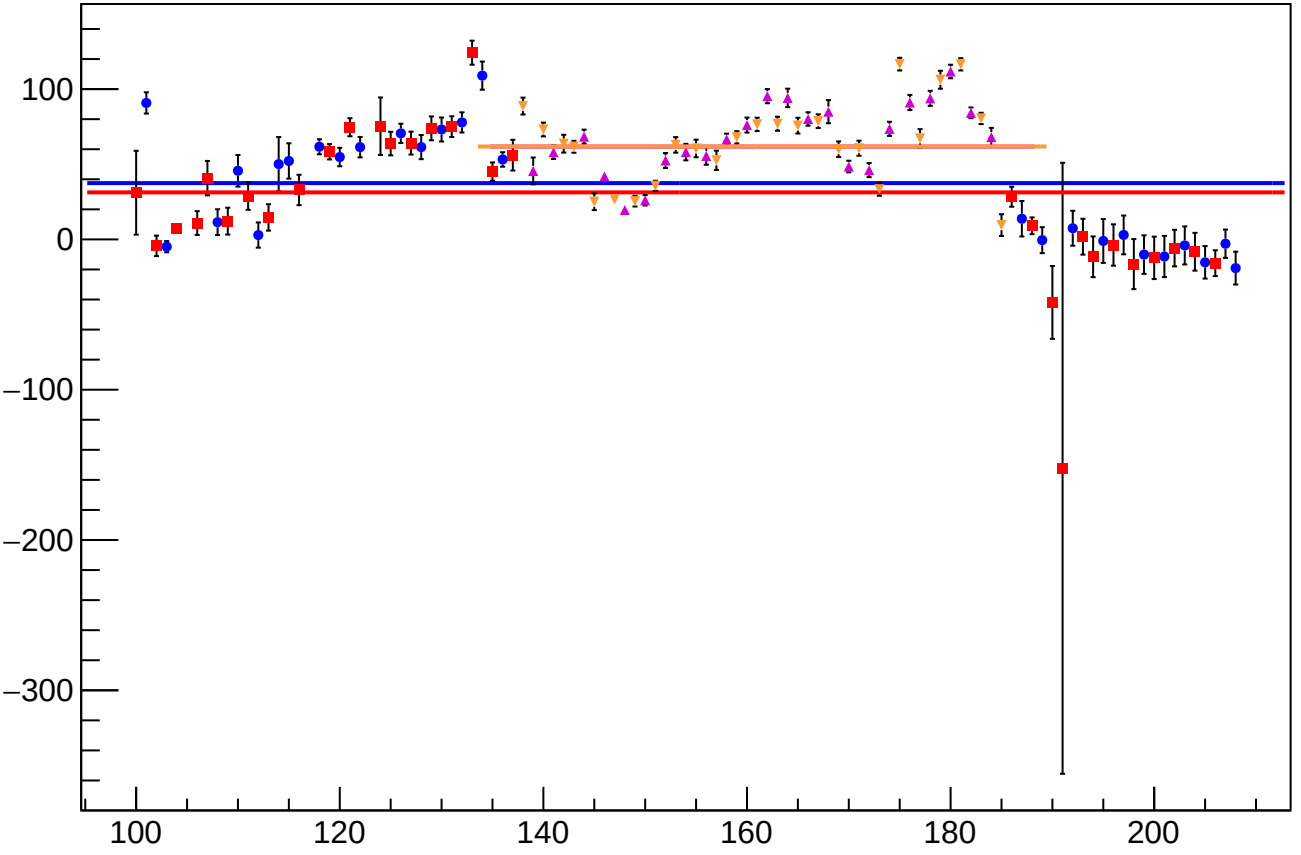
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 271.934+/-0.776 χ^2/NDF: 21095.4/51

All: 277.889+/-0.537 χ^2/NDF: 46512.4/105

- sign 283.371+/-0.744 χ^2/NDF: 25303.8/53

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 37.462+/-1.501 χ^2/NDF: 569.3/26

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 31.295+/-1.411 χ^2/NDF: 556.0/30

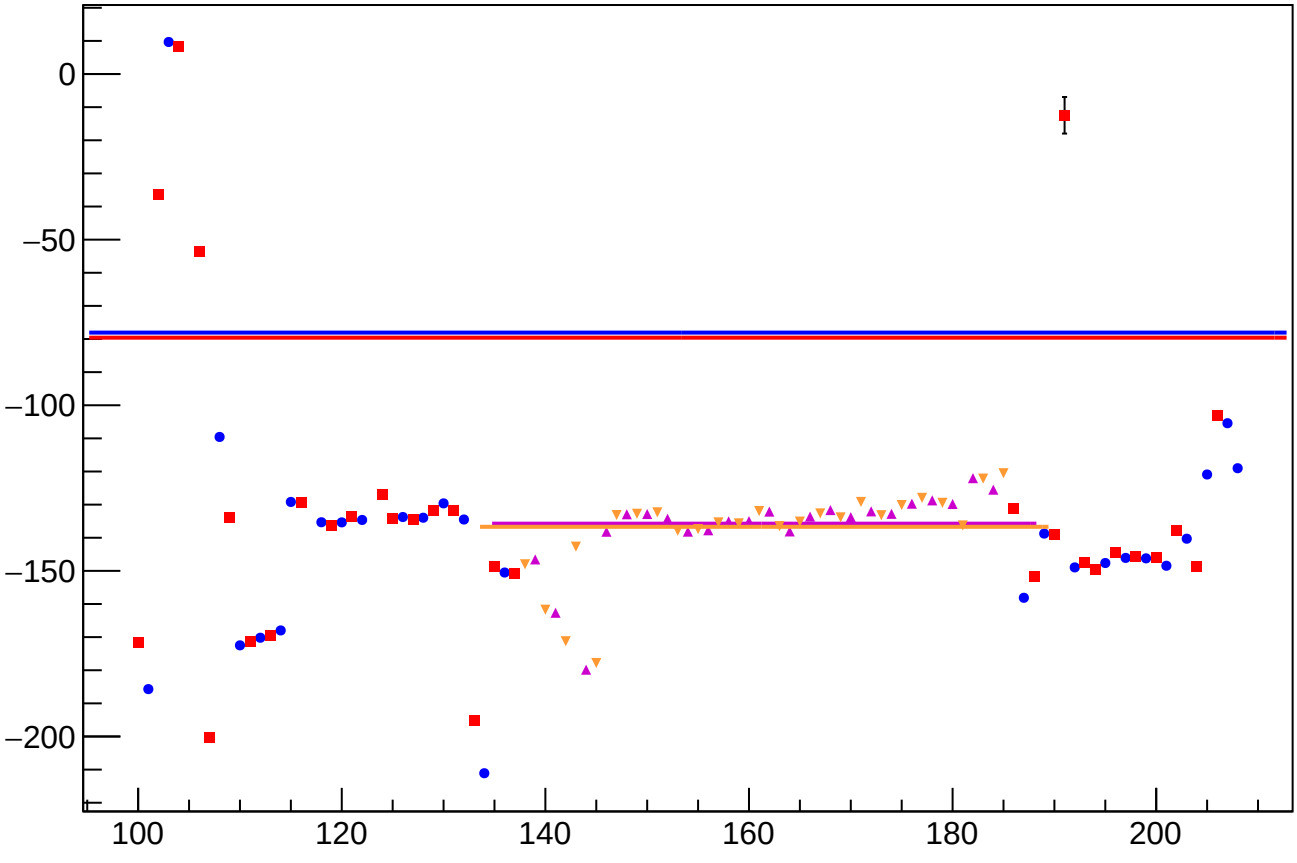
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 55.295+/-0.777 χ^2/NDF: 1721.6/51

All: 53.865+/-0.551 χ^2/NDF: 3343.7/105

- sign 52.417+/-0.782 χ^2/NDF: 1615.3/53

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -78.061+/-0.063 χ^2/NDF: 1524594.8/26

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -79.595+/-0.063 χ^2/NDF: 1215779.3/30

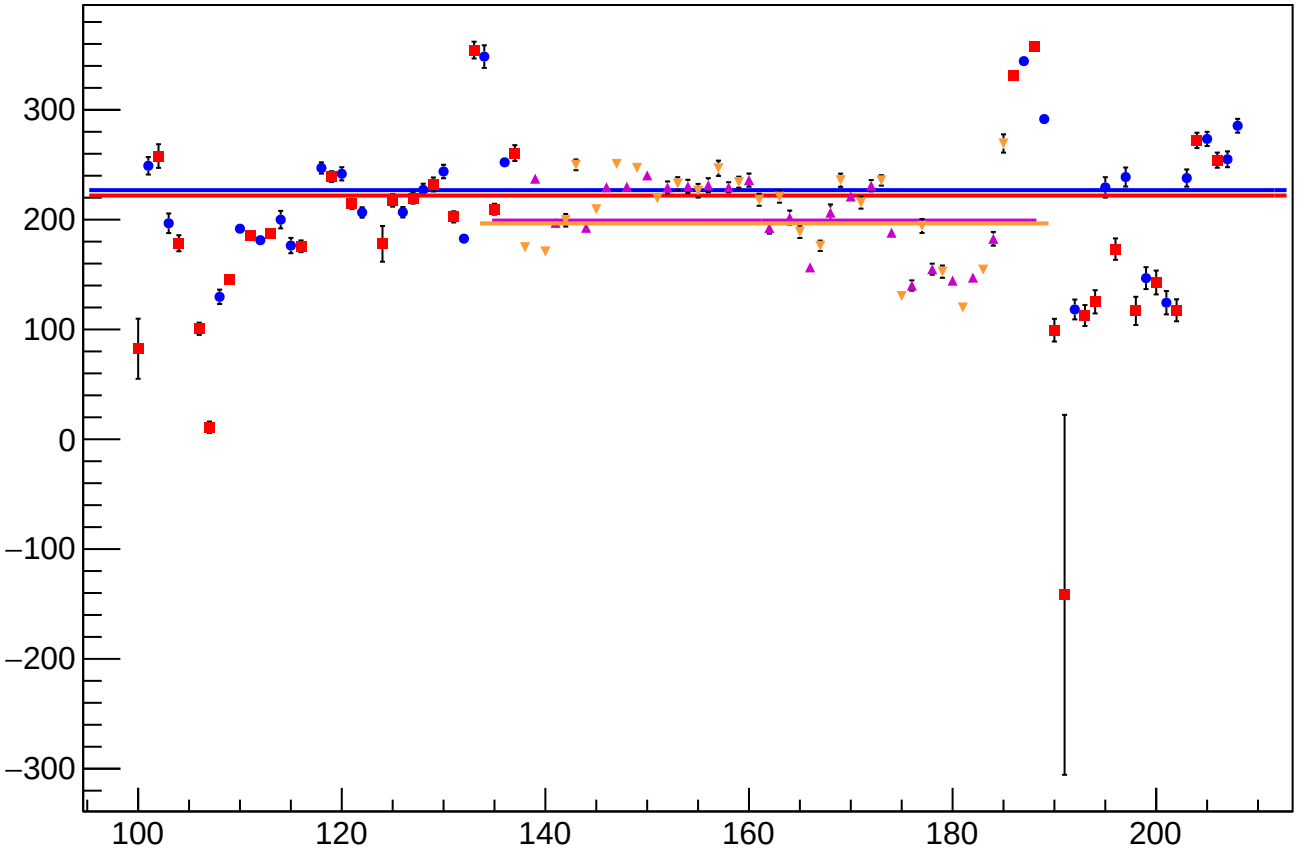
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -118.535+/-0.035 χ^2/NDF: 2200184.2/51

All: -118.359+/-0.025 χ^2/NDF: 4018013.4/10

- sign -118.180+/-0.035 χ^2/NDF: 1817778.6/53

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 226.867+/-1.096 χ^2/NDF: 2269.9/26

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 221.964+/-0.978 χ^2/NDF: 8165.5/30

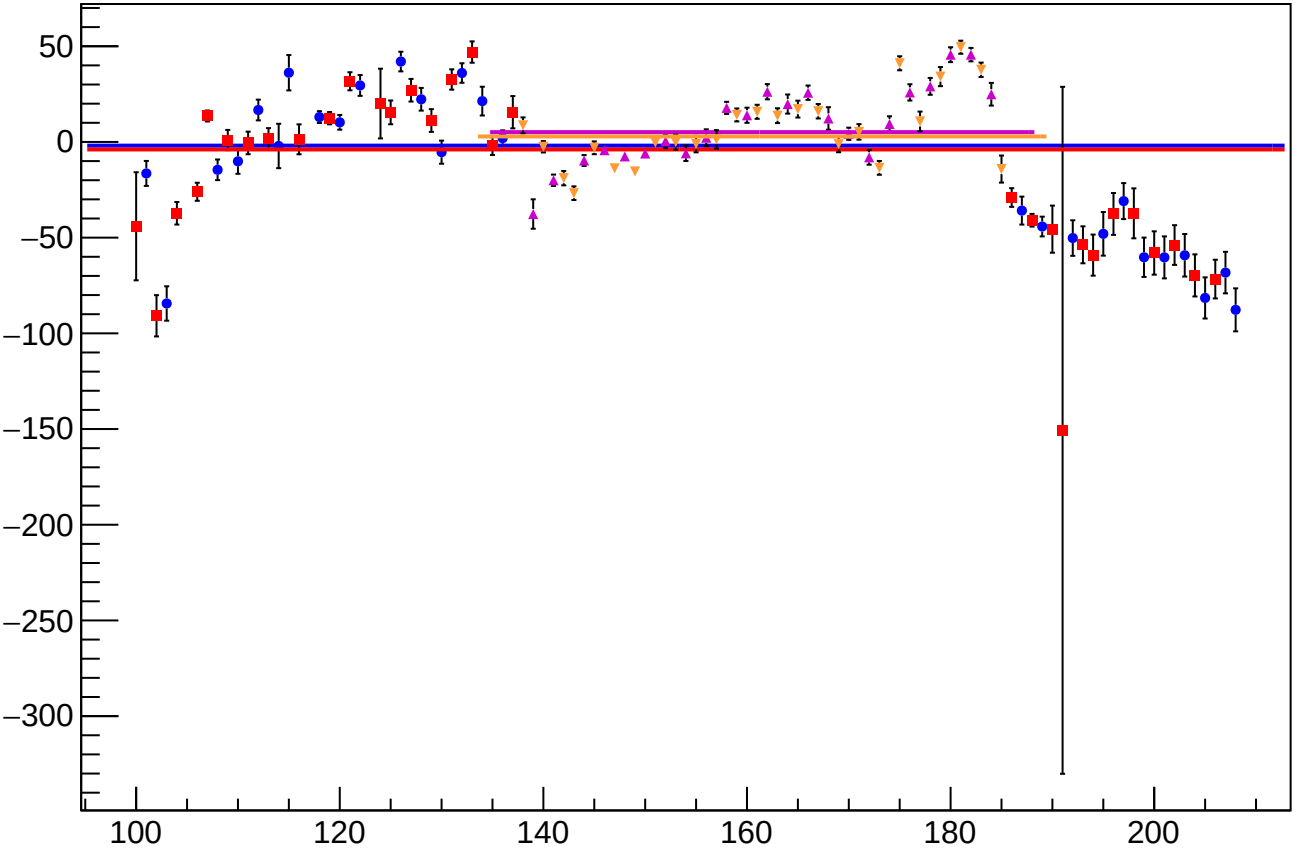
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

\+ sign 209.540+/-0.716 χ^2/NDF: 4782.0/51

All: 210.038+/-0.497 χ^2/NDF: 14516.6/105

\- sign 210.500+/-0.690 χ^2/NDF: 9733.7/53

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: -1.929+/-1.194 χ^2/NDF: 727.1/26

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -3.930+/-1.069 χ^2/NDF: 783.5/30

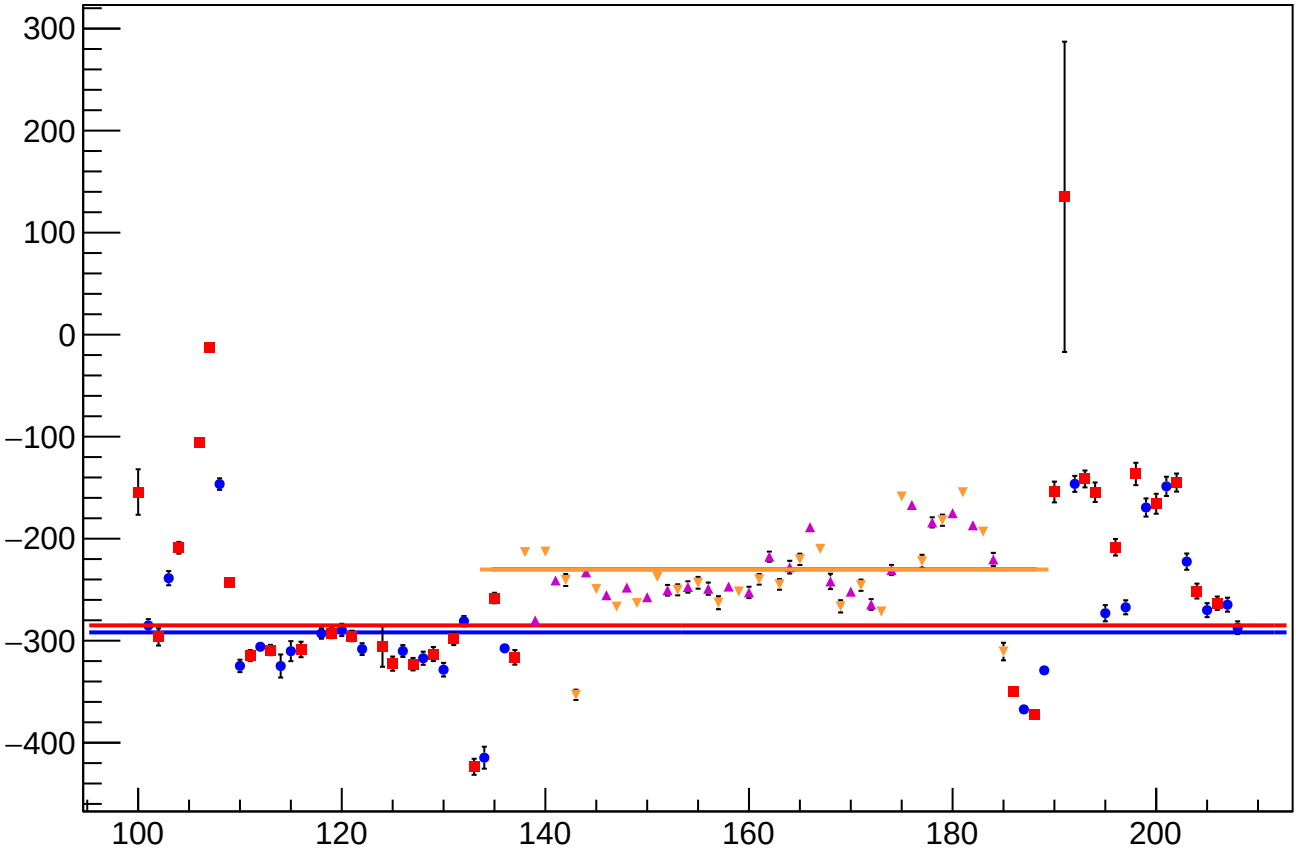
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

\+ sign 1.661+/-0.599 χ^2/NDF: 1492.0/51

All: 1.988+/-0.423 χ^2/NDF: 2954.1/105

\- sign 2.311+/-0.596 χ^2/NDF: 1461.5/53

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -291.864+/-1.142 χ^2/NDF: 2379.2/26

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -284.986+/-0.986 χ^2/NDF: 9918.2/30

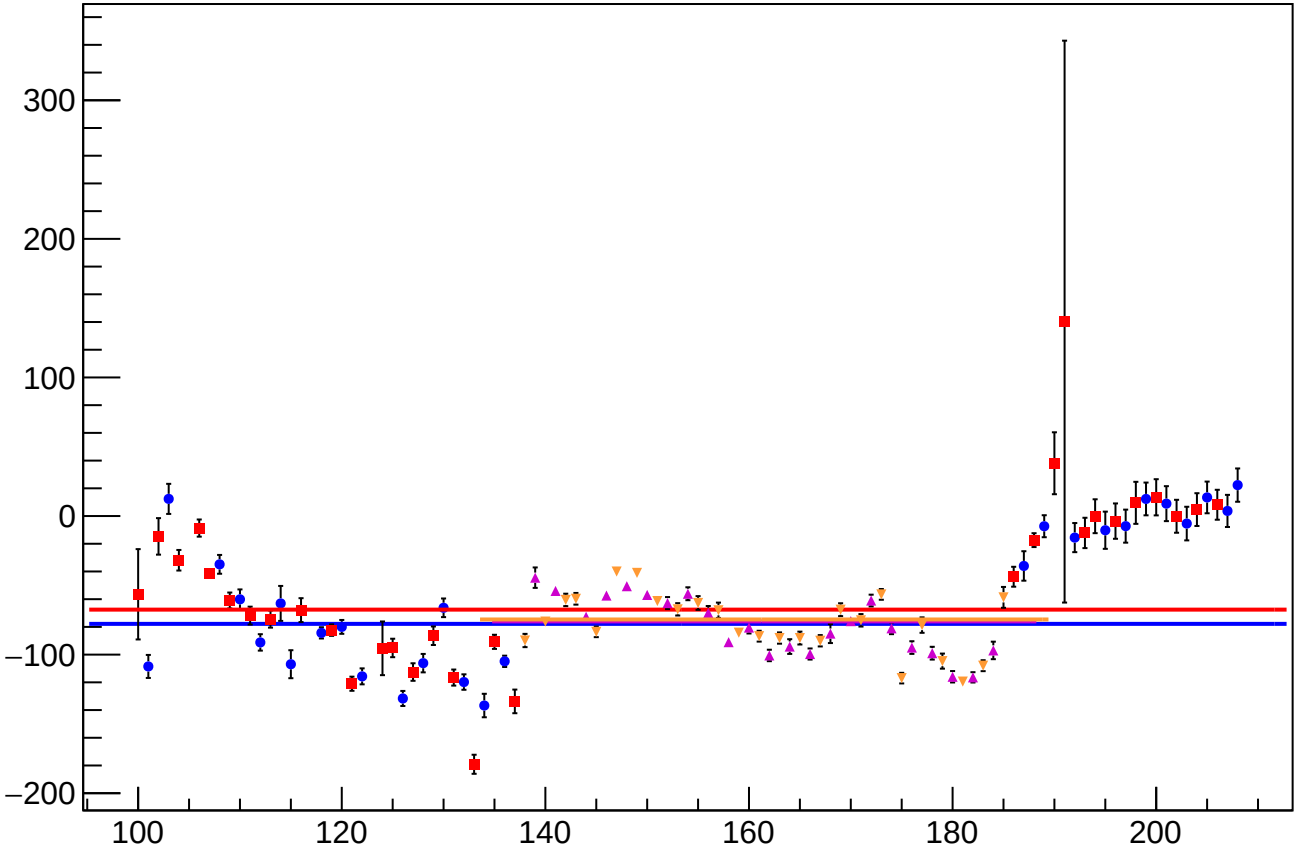
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -255.068+/-0.725 χ^2/NDF: 6302.1/51

All: -255.989+/-0.499 χ^2/NDF: 18909.9/105

- sign -256.817+/-0.688 χ^2/NDF: 12604.8/53

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.810+/-1.396 χ^2/NDF: 971.3/26

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -67.534+/-1.282 χ^2/NDF: 1198.2/30

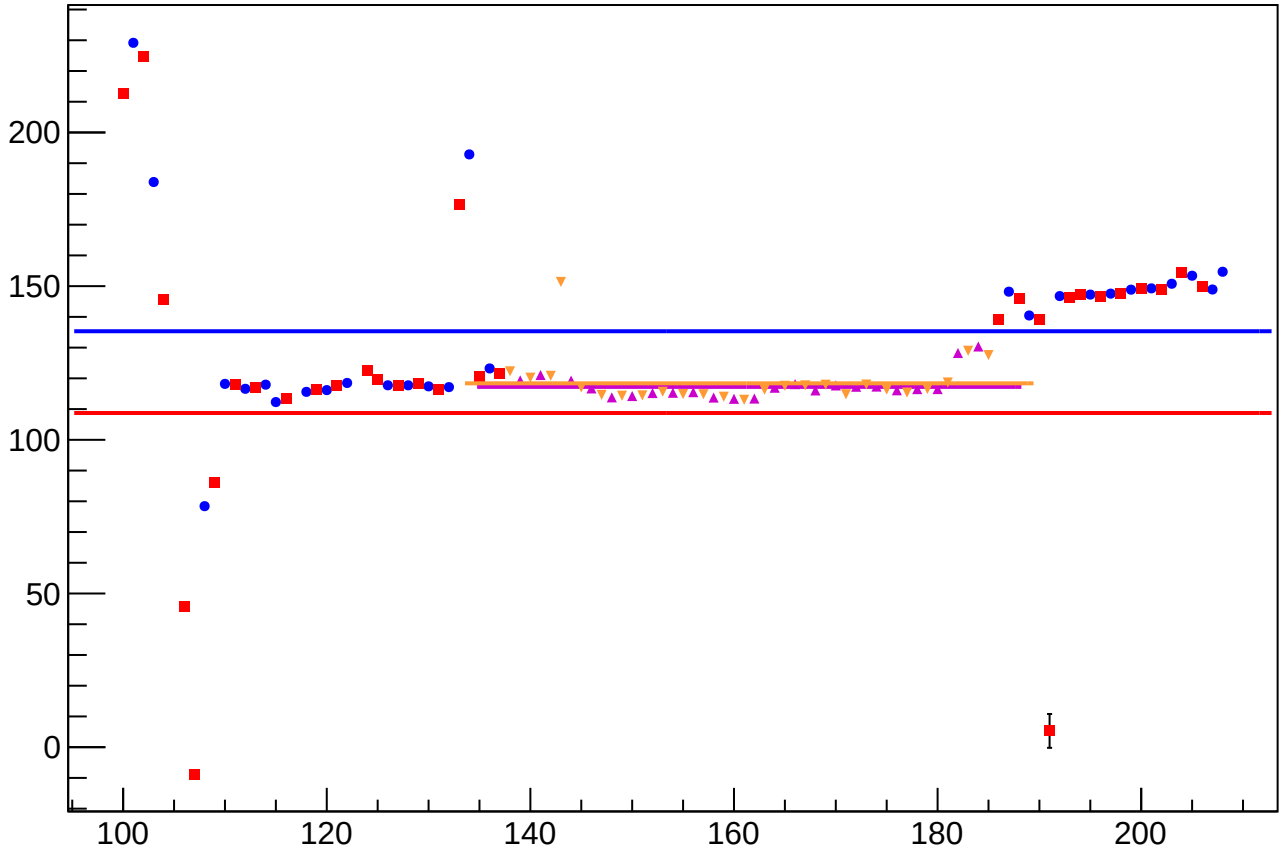
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -75.428+/-0.695 χ^2/NDF: 1806.2/51

All: -74.483+/-0.491 χ^2/NDF: 3685.2/105

- sign -73.541+/-0.693 χ^2/NDF: 1875.3/53

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 135.329+/-0.072 χ^2/NDF: 200501.0/26

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 108.732+/-0.066 χ^2/NDF: 761054.5/30

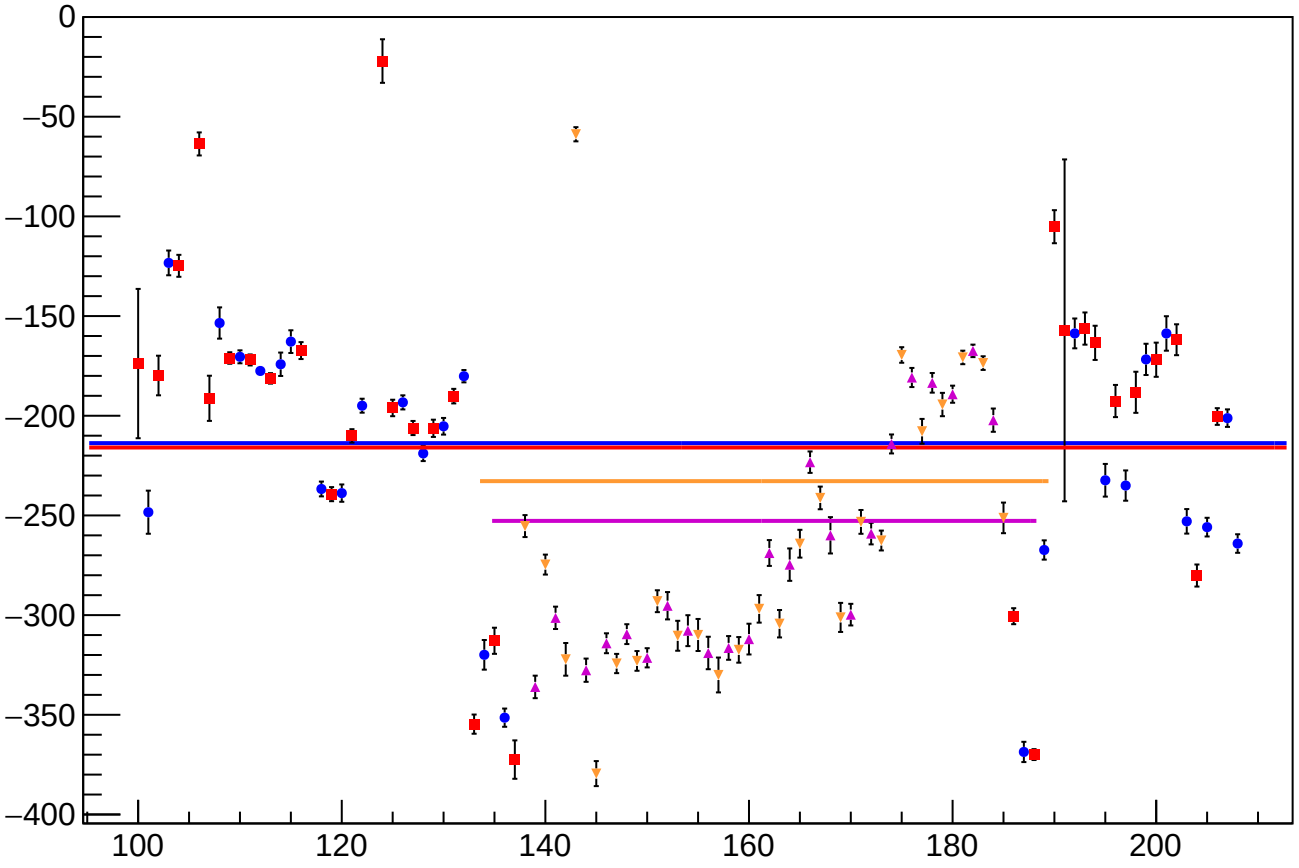
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 121.928+/-0.033 χ^2/NDF: 278695.2/51

All: 118.473+/-0.023 χ^2/NDF: 1083980.8/105

- sign 115.126+/-0.033 χ^2/NDF: 783893.1/53

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -213.736+/-0.882 χ^2/NDF: 3607.3/26

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

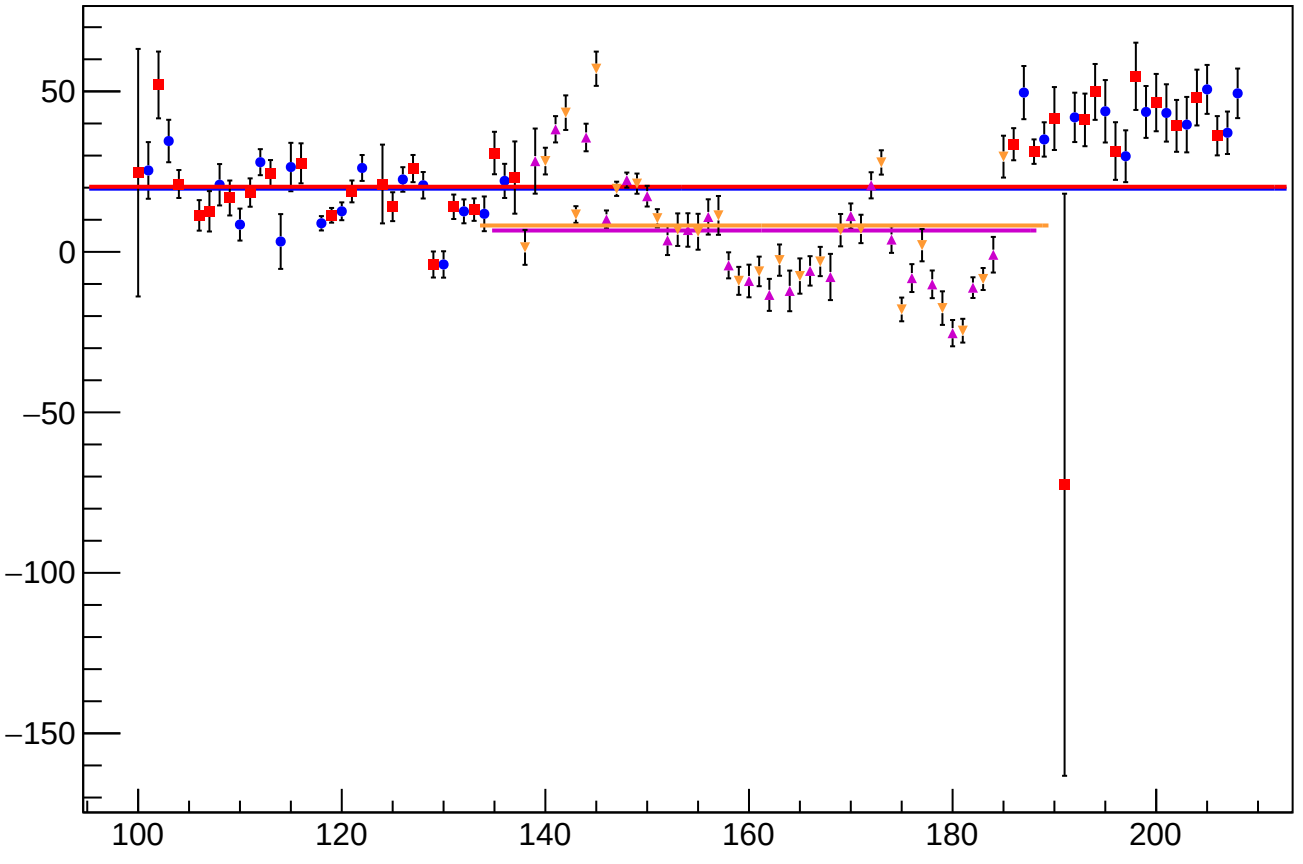
Right Out: -215.926+/-0.834 χ^2/NDF: 7679.6/30

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -221.435+/-0.681 χ^2/NDF: 9559.8/51

All: -225.220+/-0.478 χ^2/NDF: 20900.7/105

- sign -228.893+/-0.671 χ^2/NDF: 11280.0/53



Right In: 19.692+/-0.953 χ^2/NDF: 187.5/26

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 20.287+/-0.926 χ^2/NDF: 163.7/30

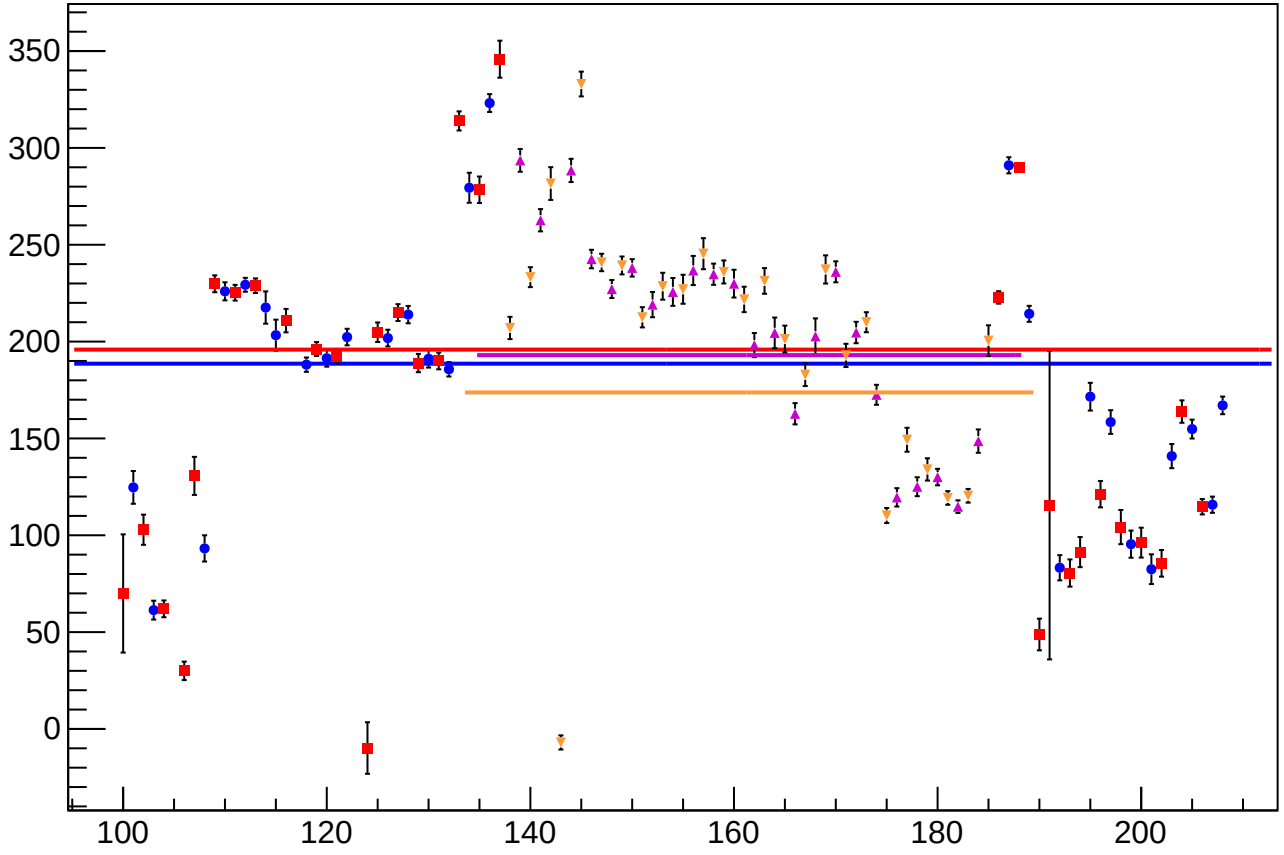
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

\+ sign 12.985+/-0.614 χ^2/NDF: 730.2/51

All: 12.972+/-0.439 χ^2/NDF: 1365.2/105

\- sign 12.958+/-0.629 χ^2/NDF: 635.1/53

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 188.594+/-0.955 χ^2/NDF: 3921.4/26

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 195.866+/-0.885 χ^2/NDF: 7549.1/30

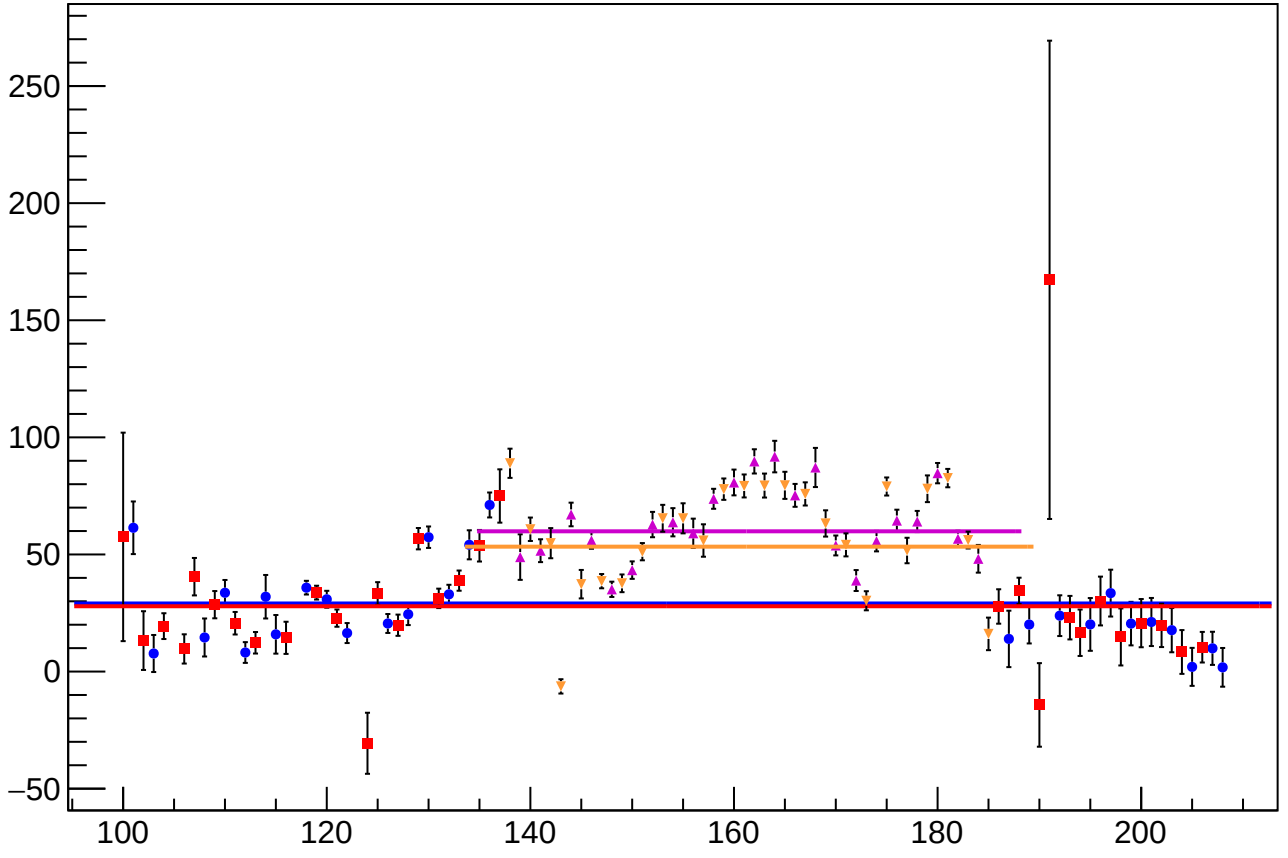
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 182.002+/-0.712 χ^2/NDF: 9289.3/51

All: 188.545+/-0.497 χ^2/NDF: 19519.2/105

- sign 194.776+/-0.695 χ^2/NDF: 10065.0/53

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 29.070+/-1.110 χ^2/NDF: 218.2/26

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 27.885+/-1.088 χ^2/NDF: 166.6/30

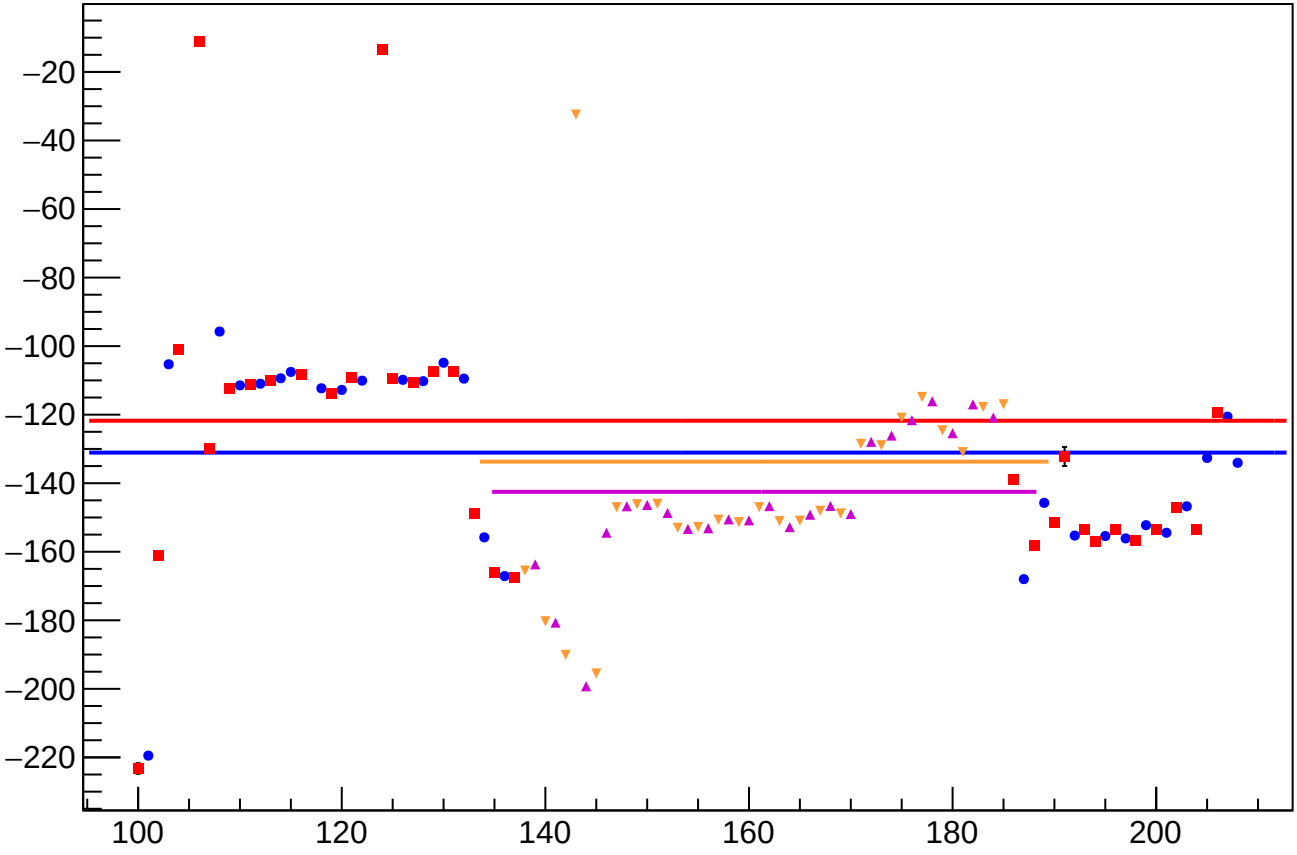
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 43.434+/-0.709 χ^2/NDF: 1279.8/51

All: 44.489+/-0.508 χ^2/NDF: 2181.3/105

- sign 45.598+/-0.727 χ^2/NDF: 896.9/53

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -131.070+/-0.061 χ^2/NDF: 174632.8/26

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -121.775+/-0.059 χ^2/NDF: 495616.6/30

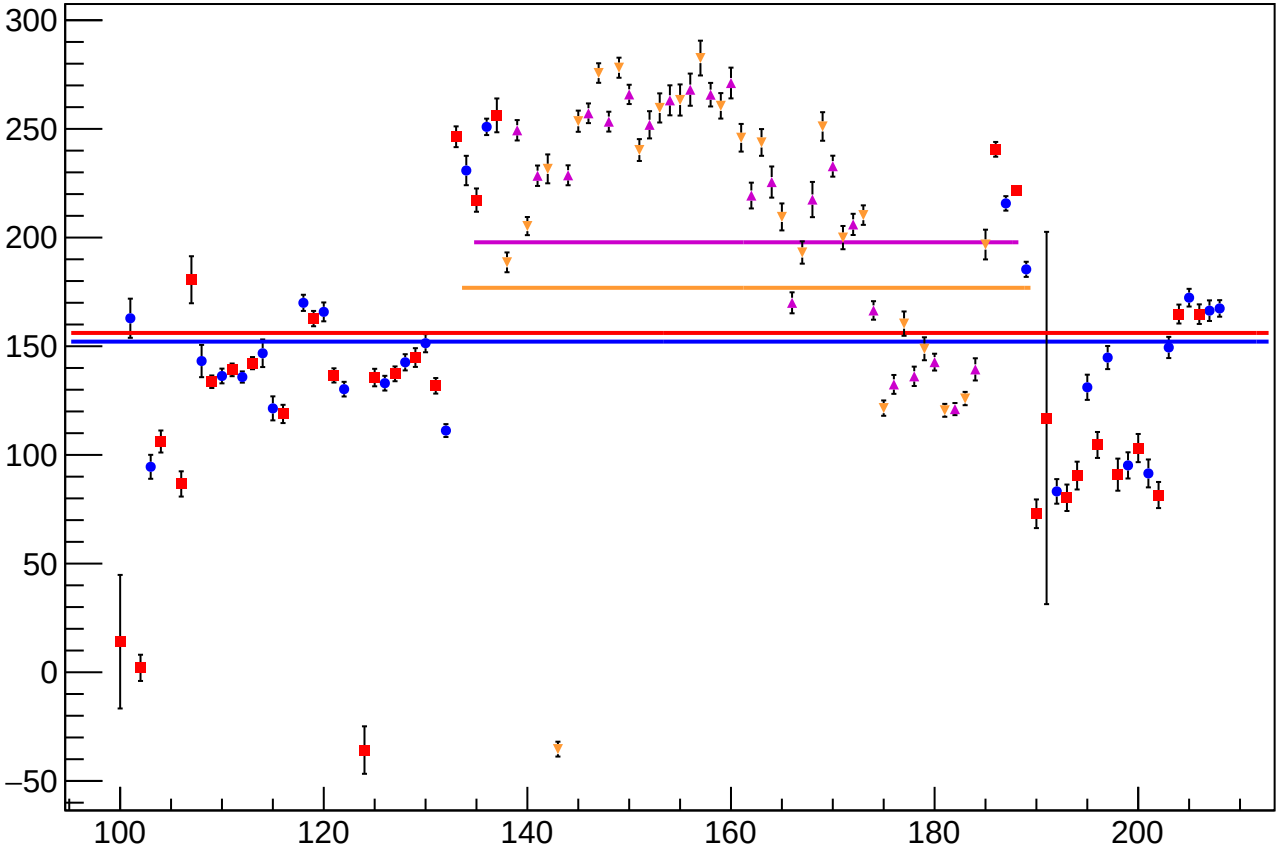
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -132.843+/-0.035 χ^2/NDF: 851804.2/51

All: -133.909+/-0.025 χ^2/NDF: 1606859.9/10

- sign -134.996+/-0.035 χ^2/NDF: 753194.1/53

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 152.126+/-0.808 χ^2/NDF: 2176.5/26

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 156.122+/-0.754 χ^2/NDF: 5002.6/30

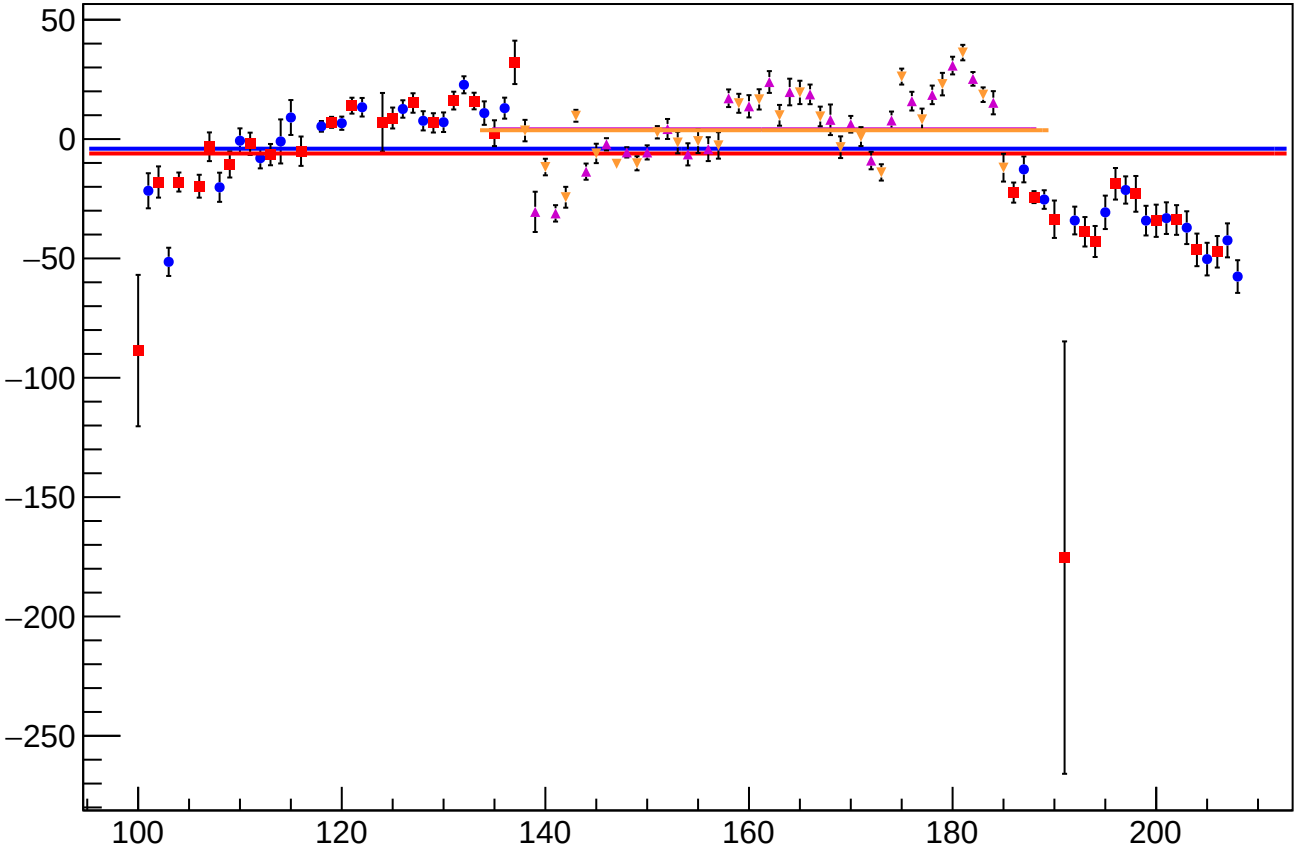
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 162.428+/-0.618 χ^2/NDF: 9991.6/51

All: 166.872+/-0.432 χ^2/NDF: 19164.1/105

- sign 171.110+/-0.603 χ^2/NDF: 9071.3/53

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.029+/-0.886 χ^2/NDF: 535.8/26

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -6.040+/-0.848 χ^2/NDF: 507.5/30

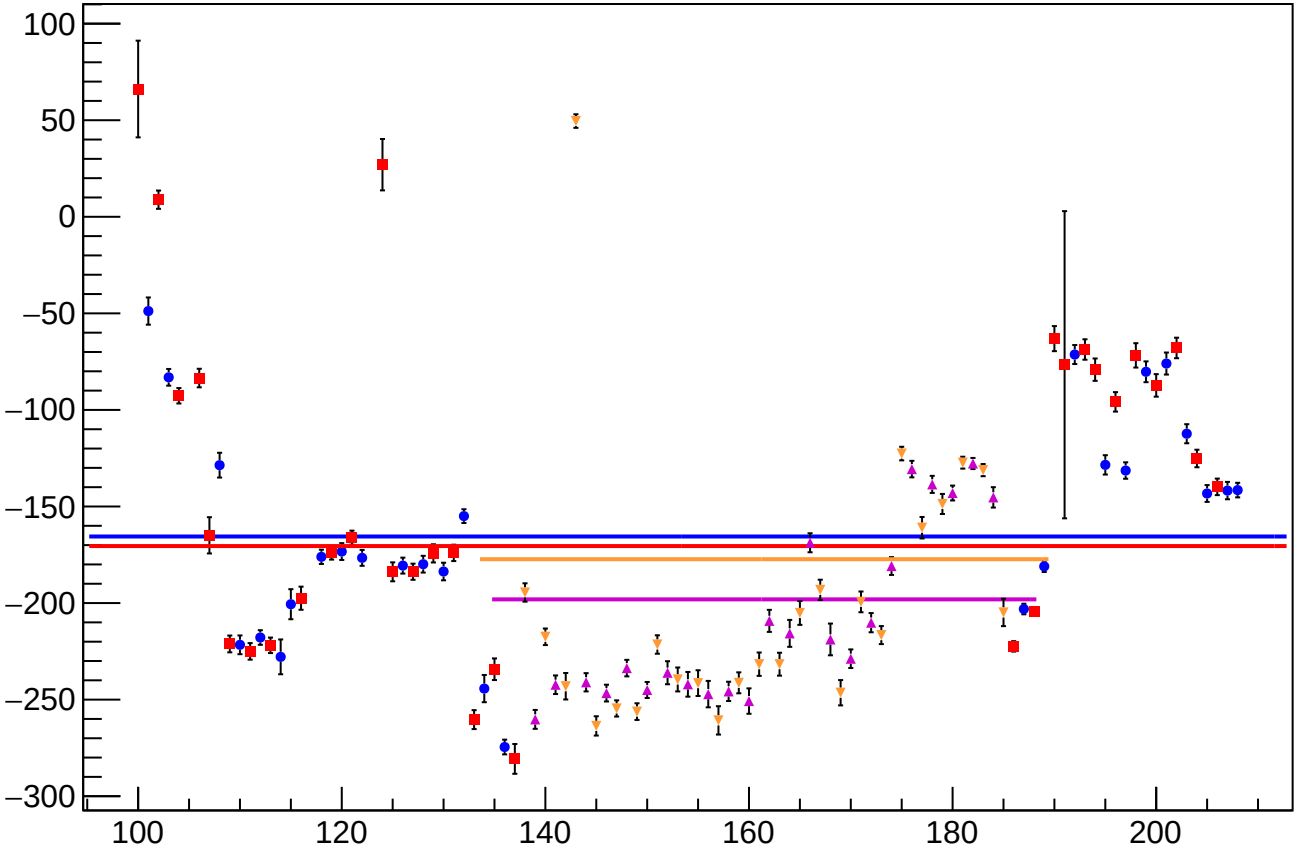
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 0.615+/-0.560 χ^2/NDF: 982.4/51

All: 0.079+/-0.399 χ^2/NDF: 1969.3/105

- sign -0.475+/-0.570 χ^2/NDF: 985.0/53

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -165.530+/-0.840 χ^2/NDF: 3482.8/26

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -170.487+/-0.755 χ^2/NDF: 6648.0/30

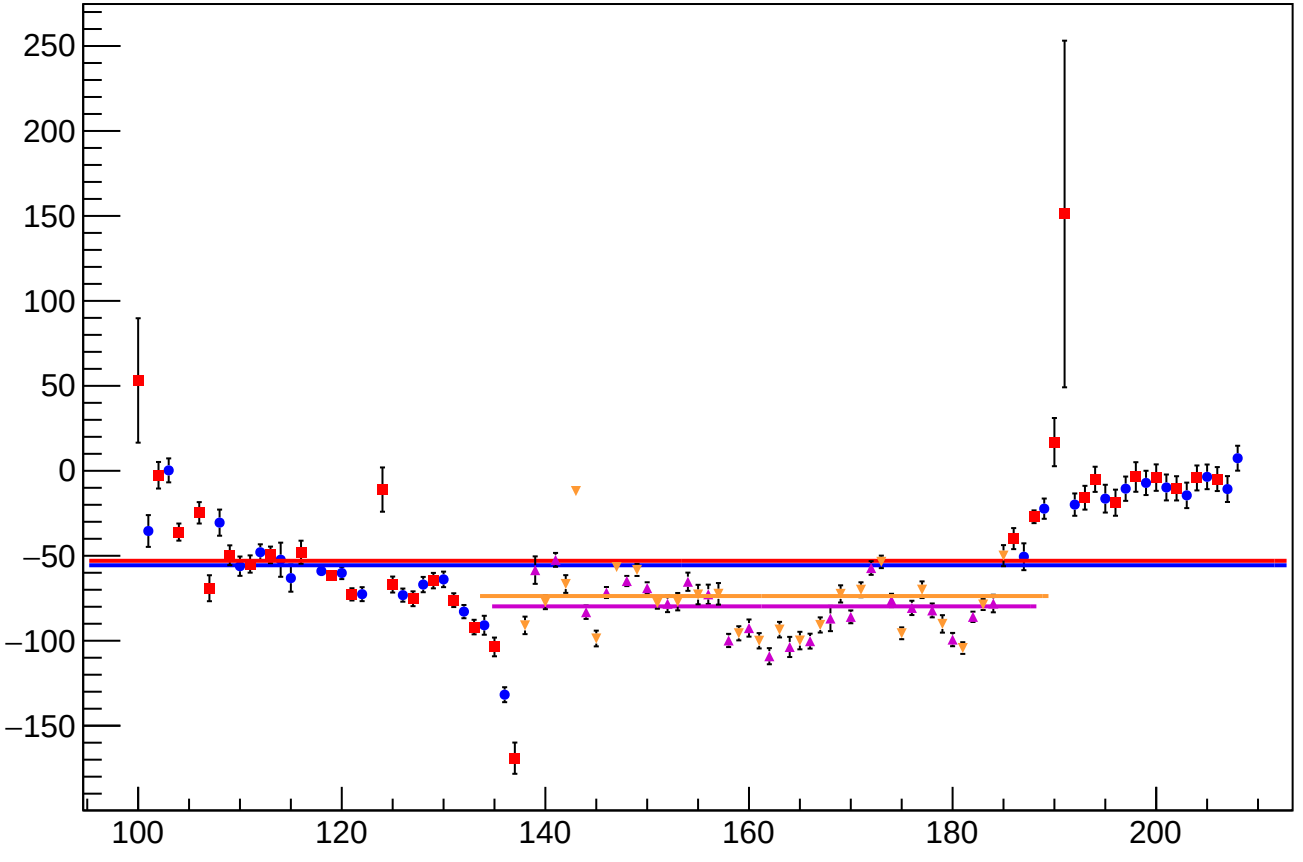
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -170.650+/-0.631 χ^2/NDF: 10608.1/51

All: -175.805+/-0.436 χ^2/NDF: 20255.2/105

- sign -180.505+/-0.602 χ^2/NDF: 9519.5/53

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -55.591+/-1.038 χ^2/NDF: 916.0/26

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -52.956+/-1.010 χ^2/NDF: 905.7/30

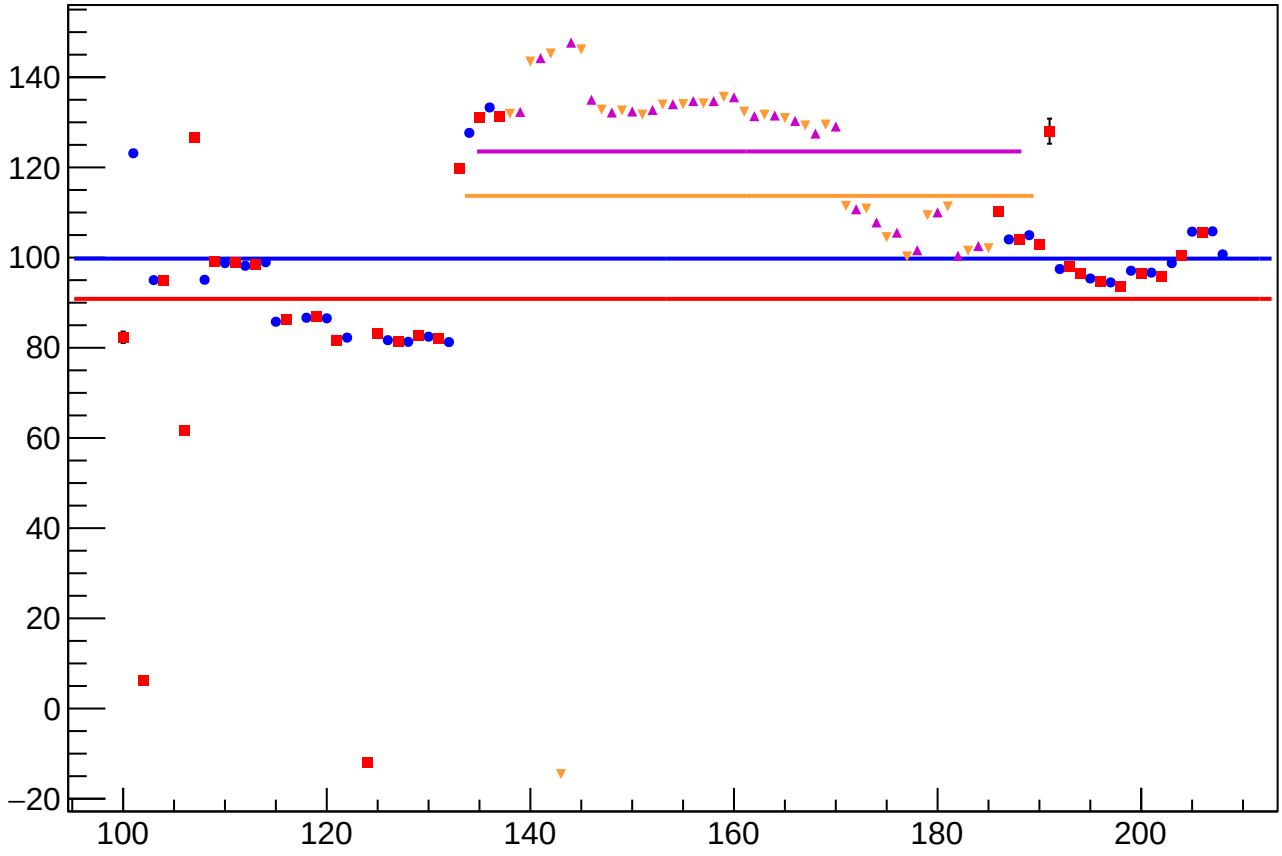
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

\+ sign -66.653+/-0.648 χ^2/NDF: 1941.5/51

All: -67.456+/-0.463 χ^2/NDF: 3530.8/105

\- sign -68.292+/-0.661 χ^2/NDF: 1586.1/53

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.775+/-0.054 χ^2/NDF: 70049.1/26

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 90.847+/-0.051 χ^2/NDF: 287688.3/30

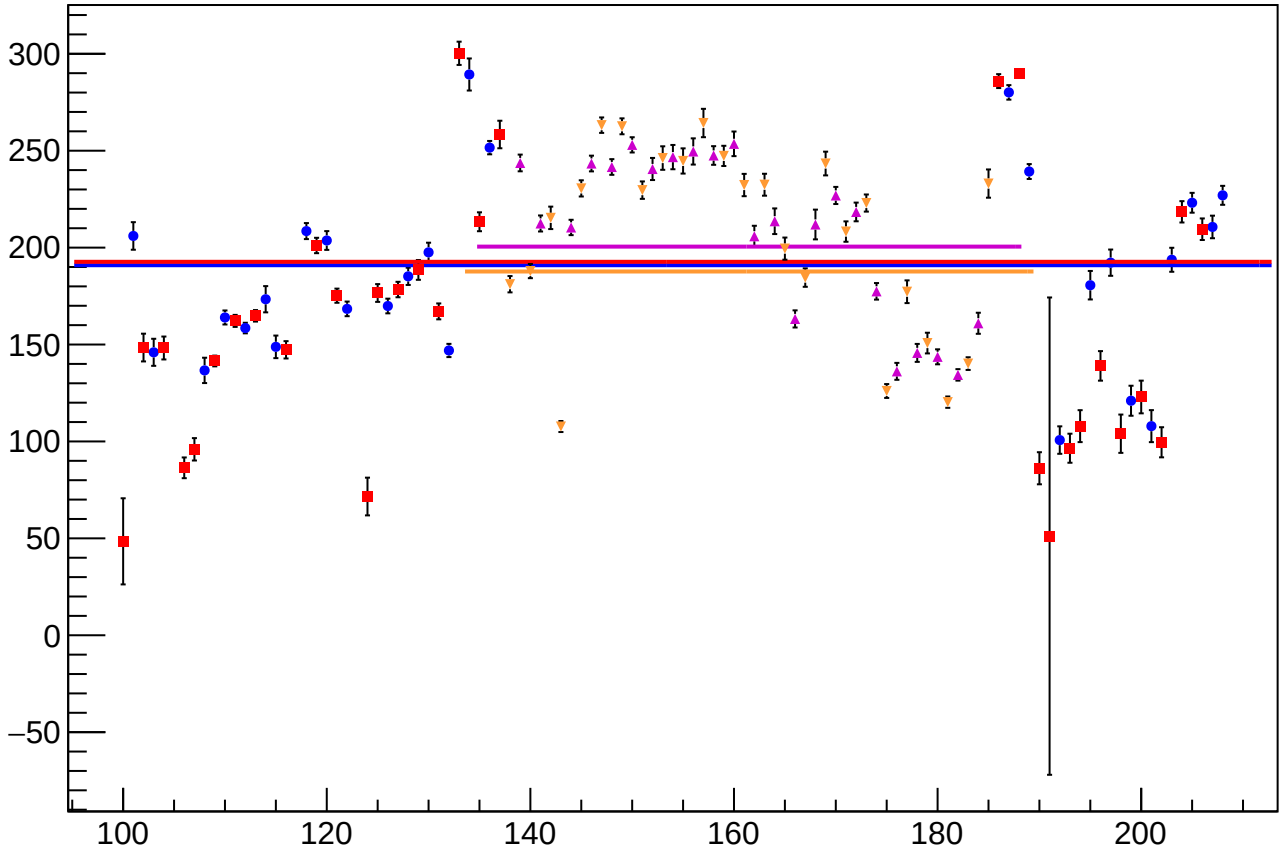
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 108.985+/-0.031 χ^2/NDF: 1077657.8/51

All: 110.087+/-0.022 χ^2/NDF: 1759605.0/105

- sign 111.192+/-0.031 χ^2/NDF: 679451.0/53

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 190.920+/-0.910 χ^2/NDF: 2258.9/26

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 192.685+/-0.827 χ^2/NDF: 6004.7/30

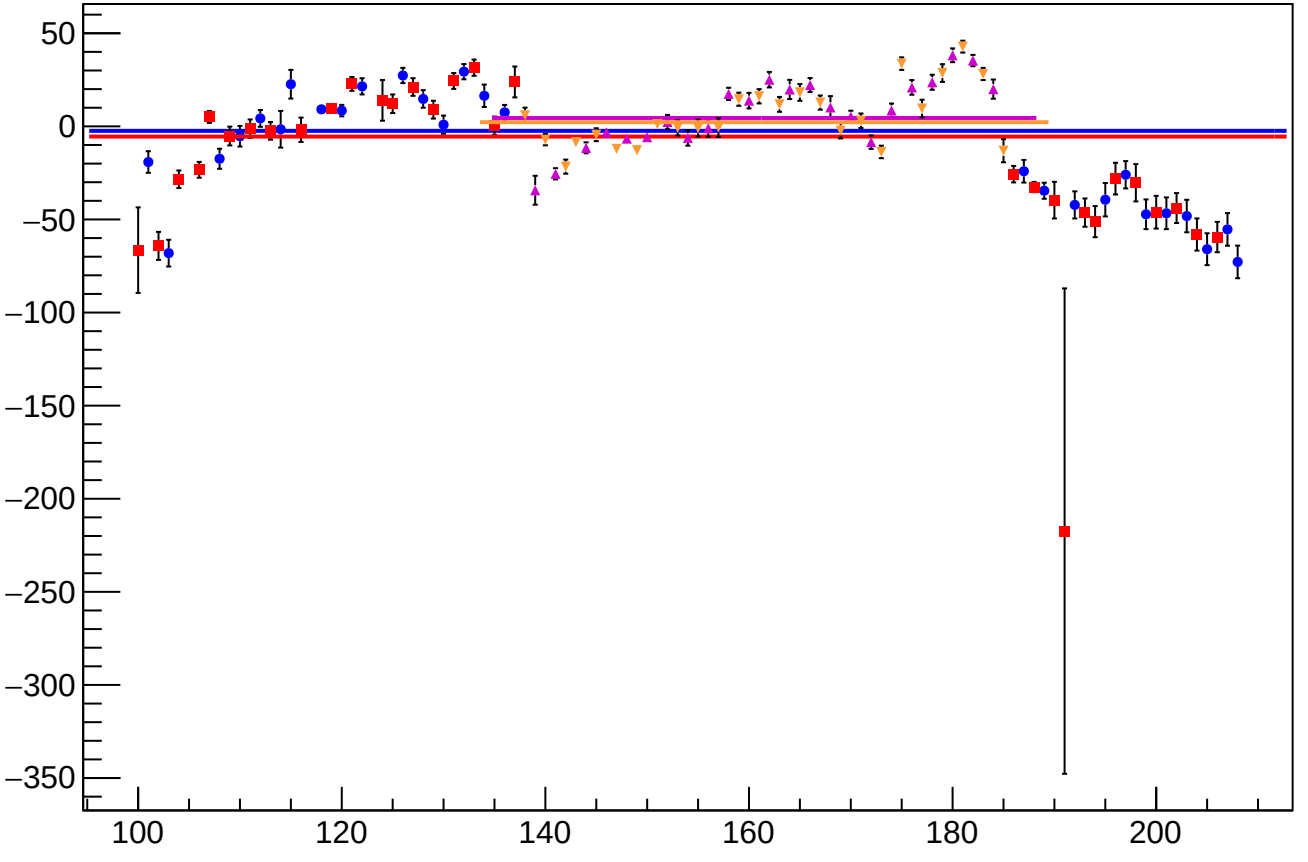
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 189.278+/-0.639 χ^2/NDF: 5793.6/51

All: 192.734+/-0.447 χ^2/NDF: 14005.4/105

\- sign 196.041+/-0.625 χ^2/NDF: 8154.6/53

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -2.408+/-0.990 χ^2/NDF: 687.2/26

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

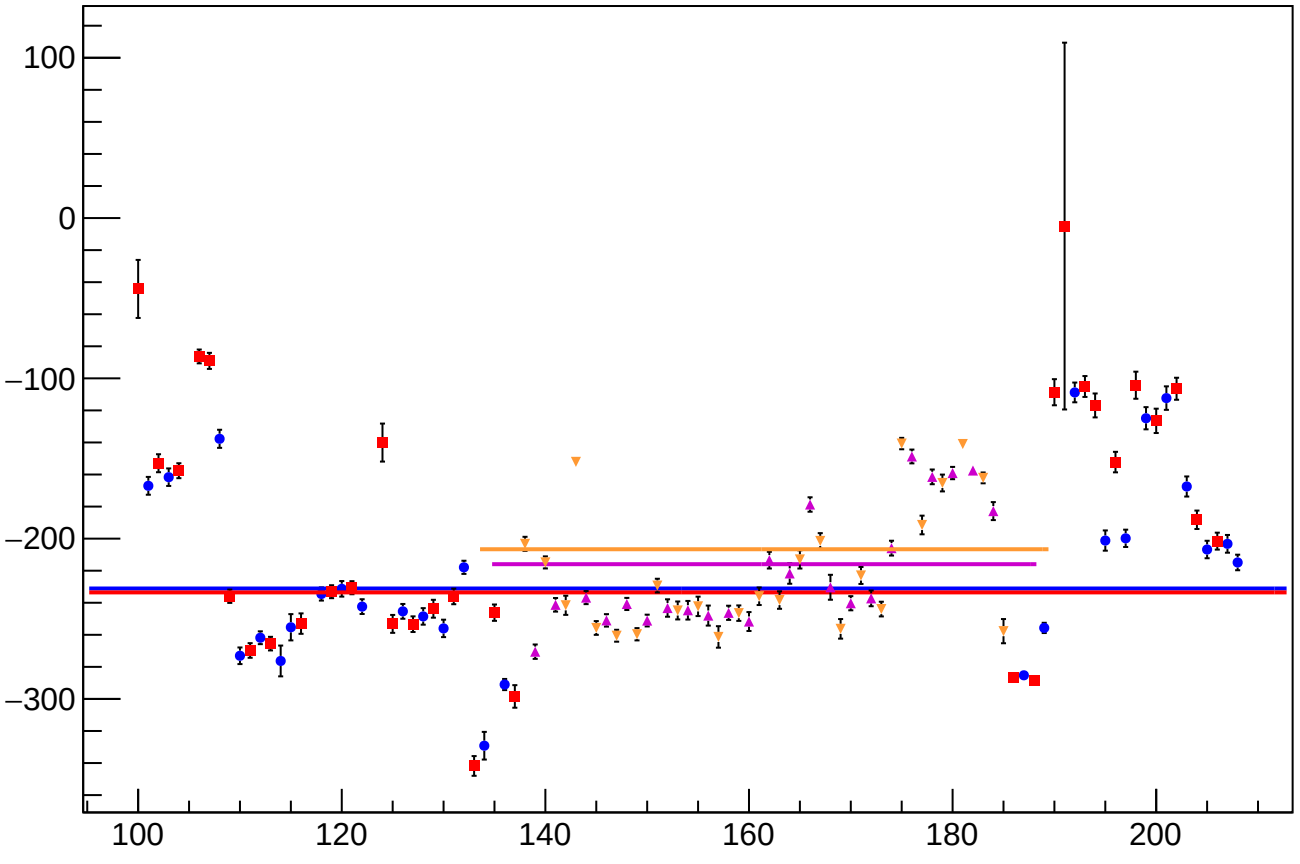
Right Out: -5.482+/-0.916 χ^2/NDF: 733.8/30

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 0.800+/-0.552 χ^2/NDF: 1303.3/51

All: 0.769+/-0.394 χ^2/NDF: 2658.2/105

- sign 0.735+/-0.563 χ^2/NDF: 1354.9/53



Right In: -231.112+/-0.950 χ^2/NDF: 2683.1/26

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

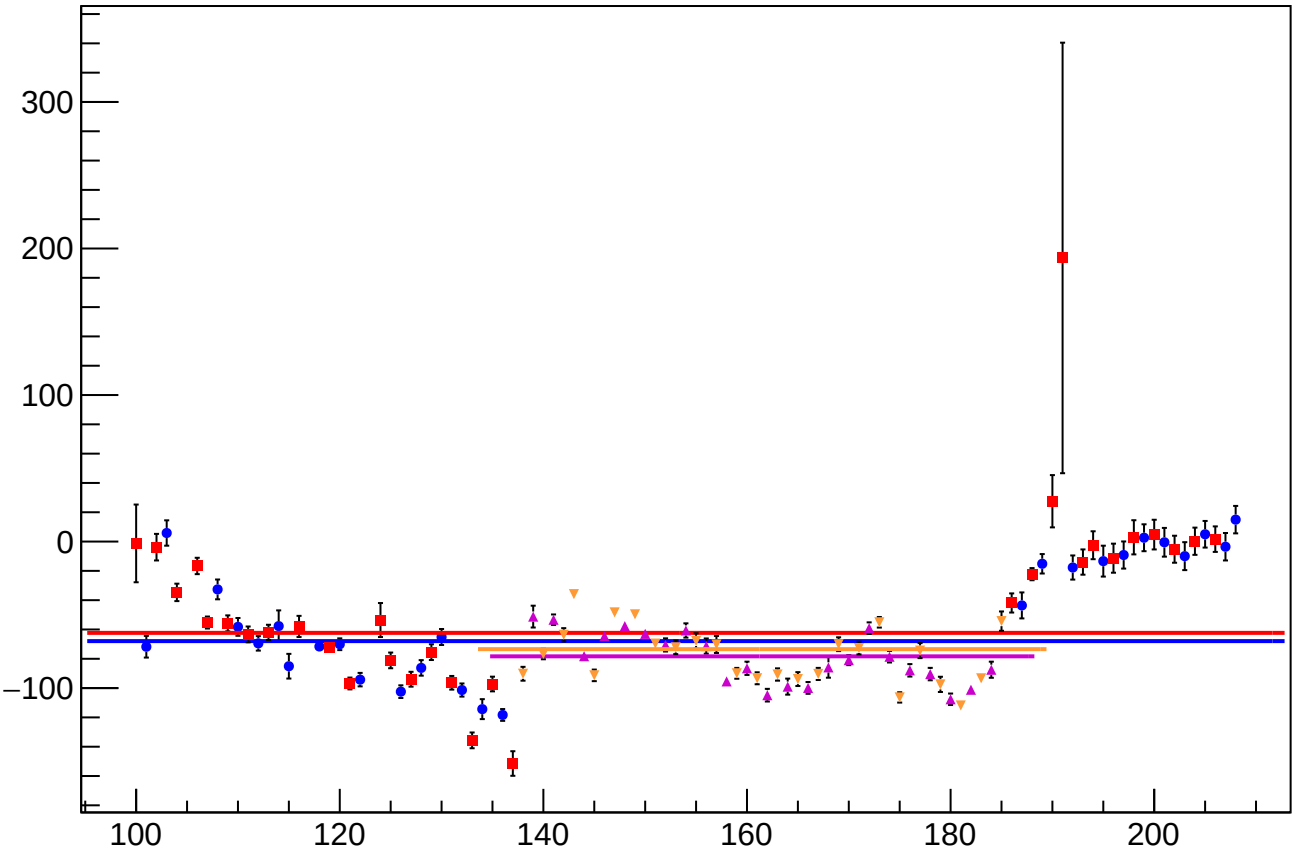
Right Out: -233.542+/-0.833 χ^2/NDF: 6659.3/30

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.127+/-0.651 χ^2/NDF: 5503.0/51

All: -222.149+/-0.451 χ^2/NDF: 14142.5/105

- sign -225.854+/-0.625 χ^2/NDF: 8566.3/53



Right In: -67.939+/-1.160 χ^2/NDF: 985.5/26

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

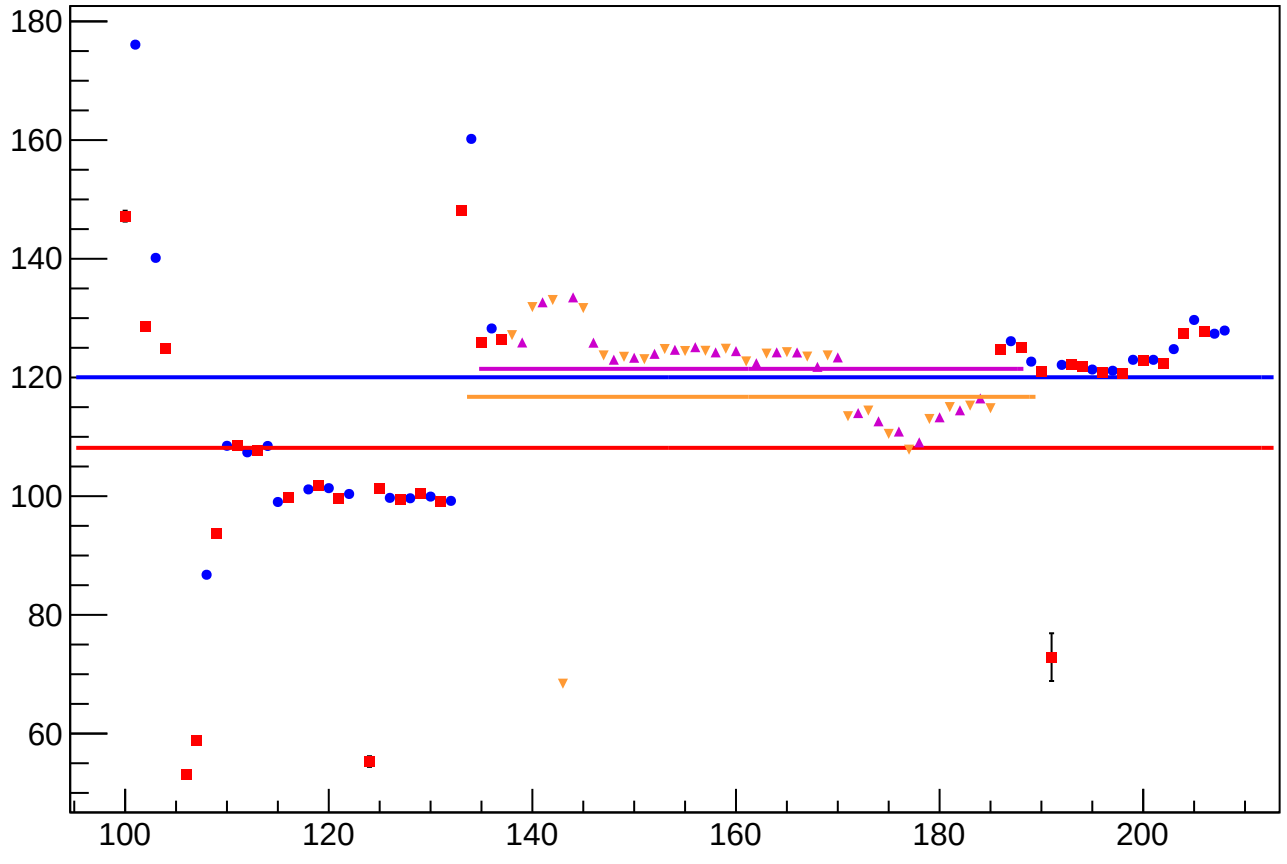
Right Out: -62.305+/-1.095 χ^2/NDF: 1122.0/30

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -71.757+/-0.640 χ^2/NDF: 1837.6/51

All: -72.167+/-0.458 χ^2/NDF: 3541.2/105

- sign -72.596+/-0.655 χ^2/NDF: 1702.8/53



Right In: 120.037+/-0.061 χ^2/NDF: 98387.5/26

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 108.143+/-0.056 χ^2/NDF: 207794.2/30

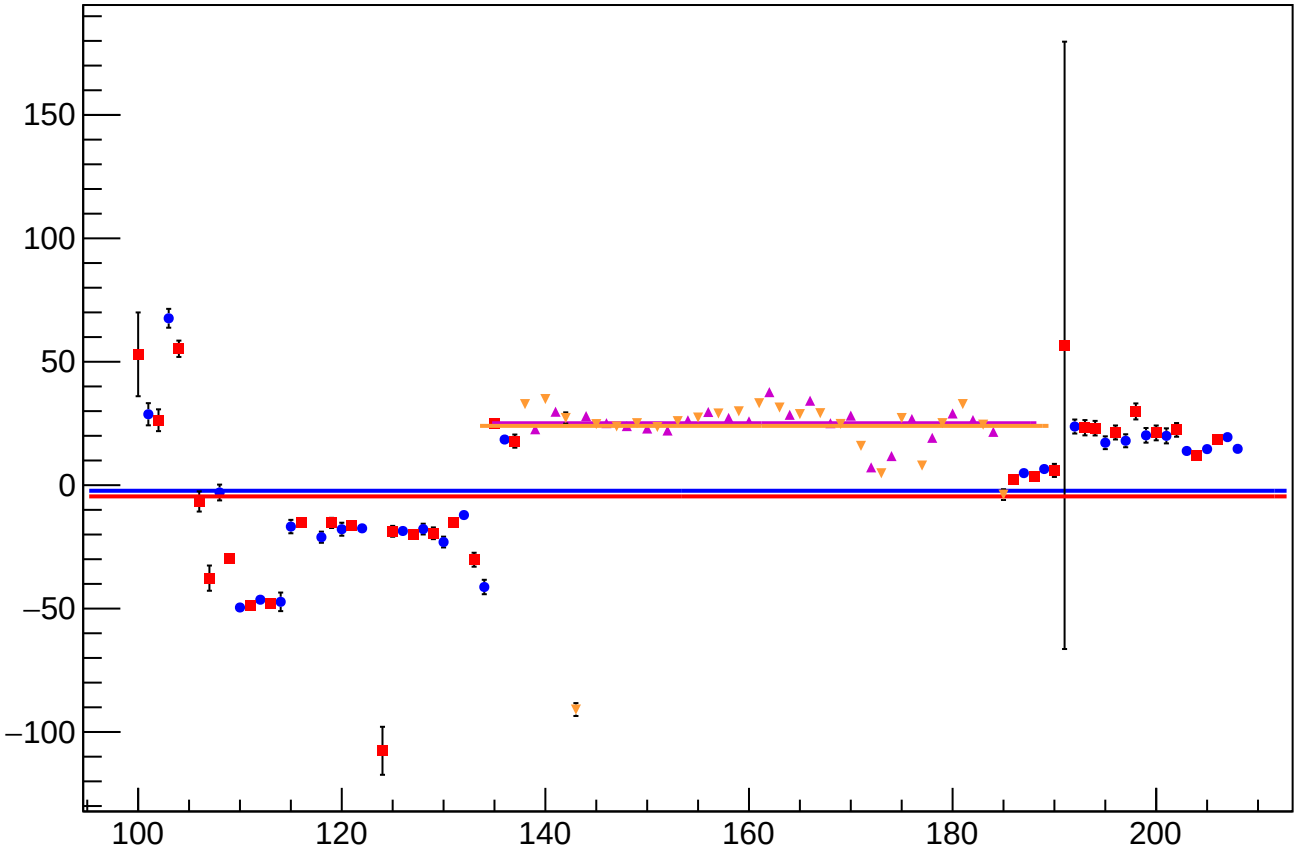
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.581+/-0.031 χ^2/NDF: 304199.0/51

All: 117.485+/-0.022 χ^2/NDF: 579785.2/105

- sign 117.388+/-0.031 χ^2/NDF: 275566.8/53

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -2.265+/-0.404 χ^2/NDF: 3559.9/26

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -4.552+/-0.387 χ^2/NDF: 3712.6/30

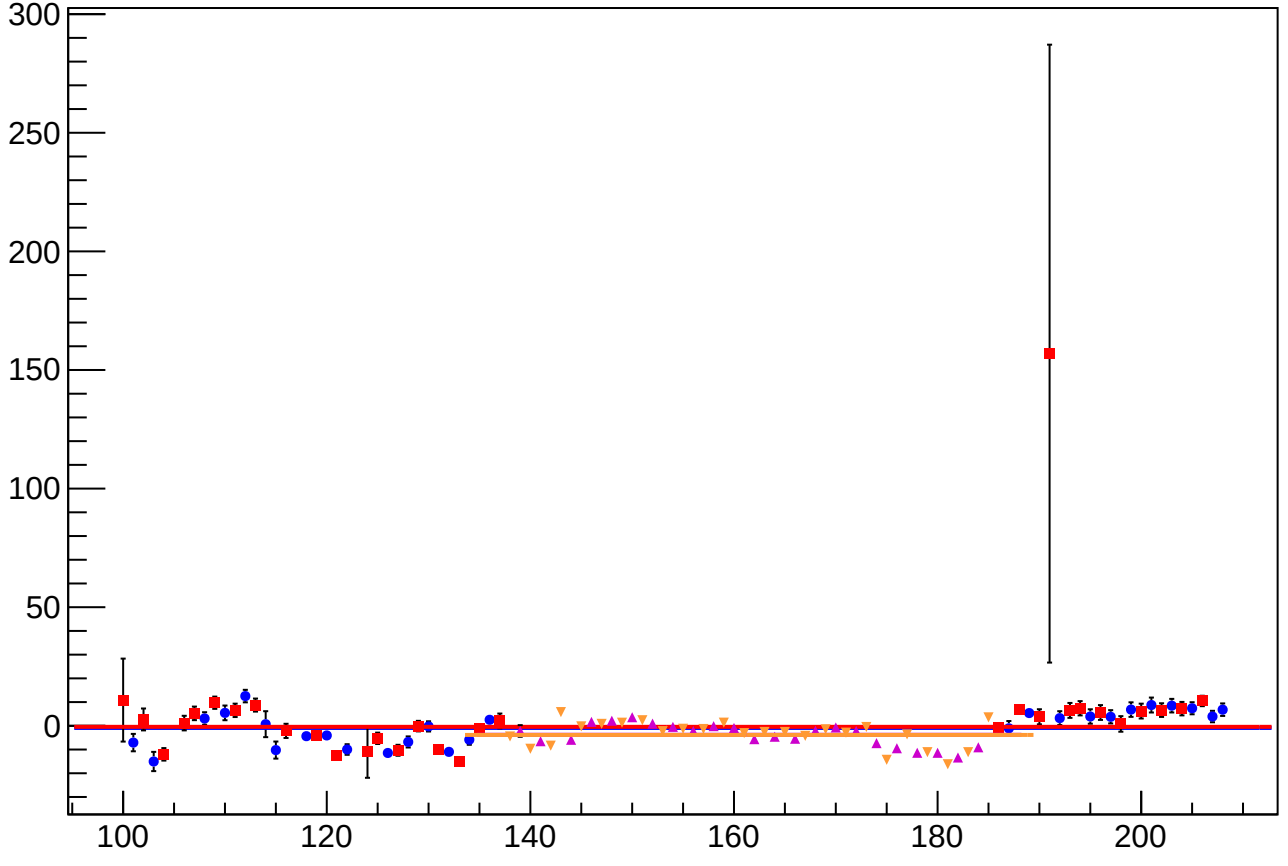
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

\+ sign 15.410+/-0.231 χ^2/NDF: 9209.7/51

All: 14.988+/-0.163 χ^2/NDF: 17204.6/105

\- sign 14.568+/-0.231 χ^2/NDF: 7988.2/53

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.894+/-0.458 χ^2/NDF: 215.2/26

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

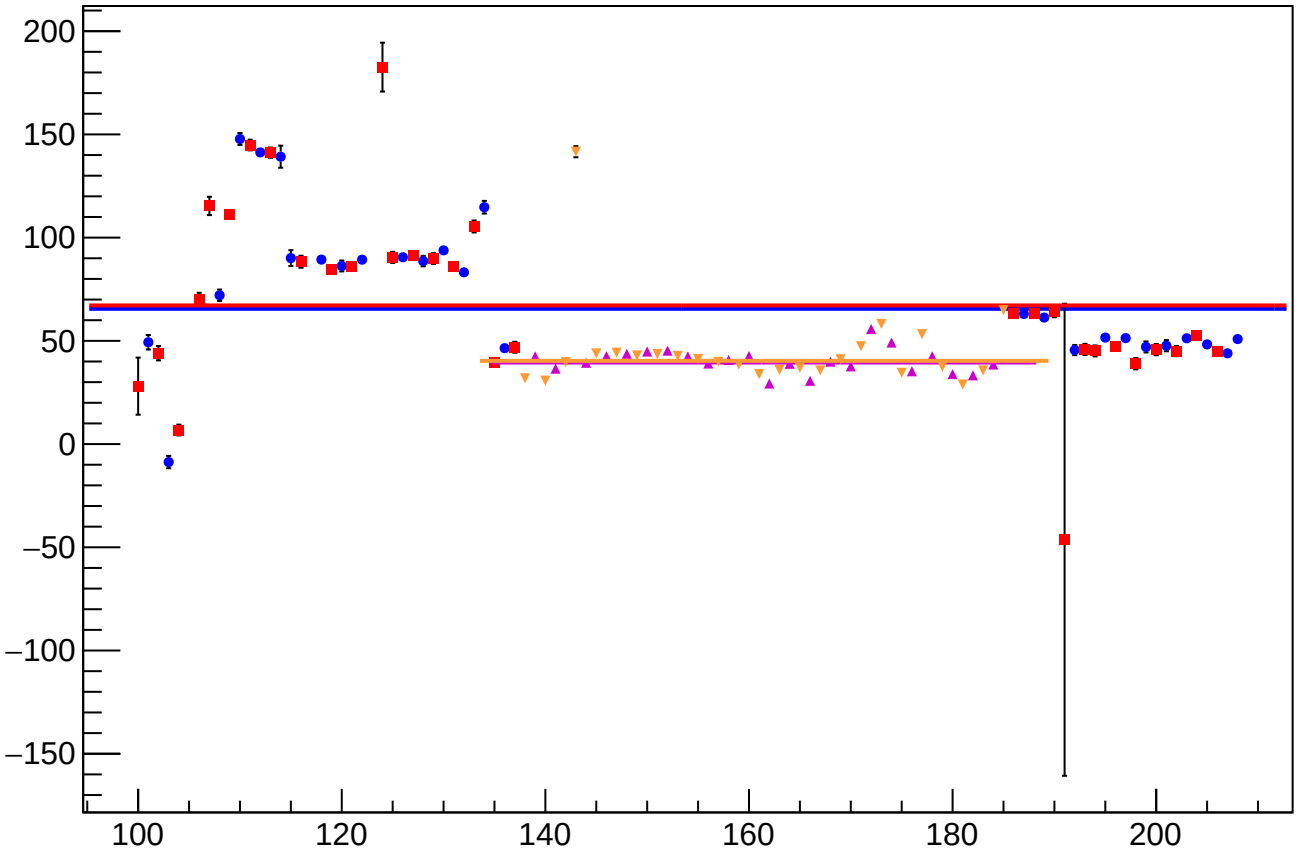
Right Out: -0.430+/-0.444 χ^2/NDF: 282.4/30

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.301+/-0.197 χ^2/NDF: 898.4/51

All: -3.203+/-0.140 χ^2/NDF: 1736.5/105

- sign -3.103+/-0.200 χ^2/NDF: 837.6/53



Right In: 65.520+/-0.413 χ^2/NDF: 4603.8/26

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

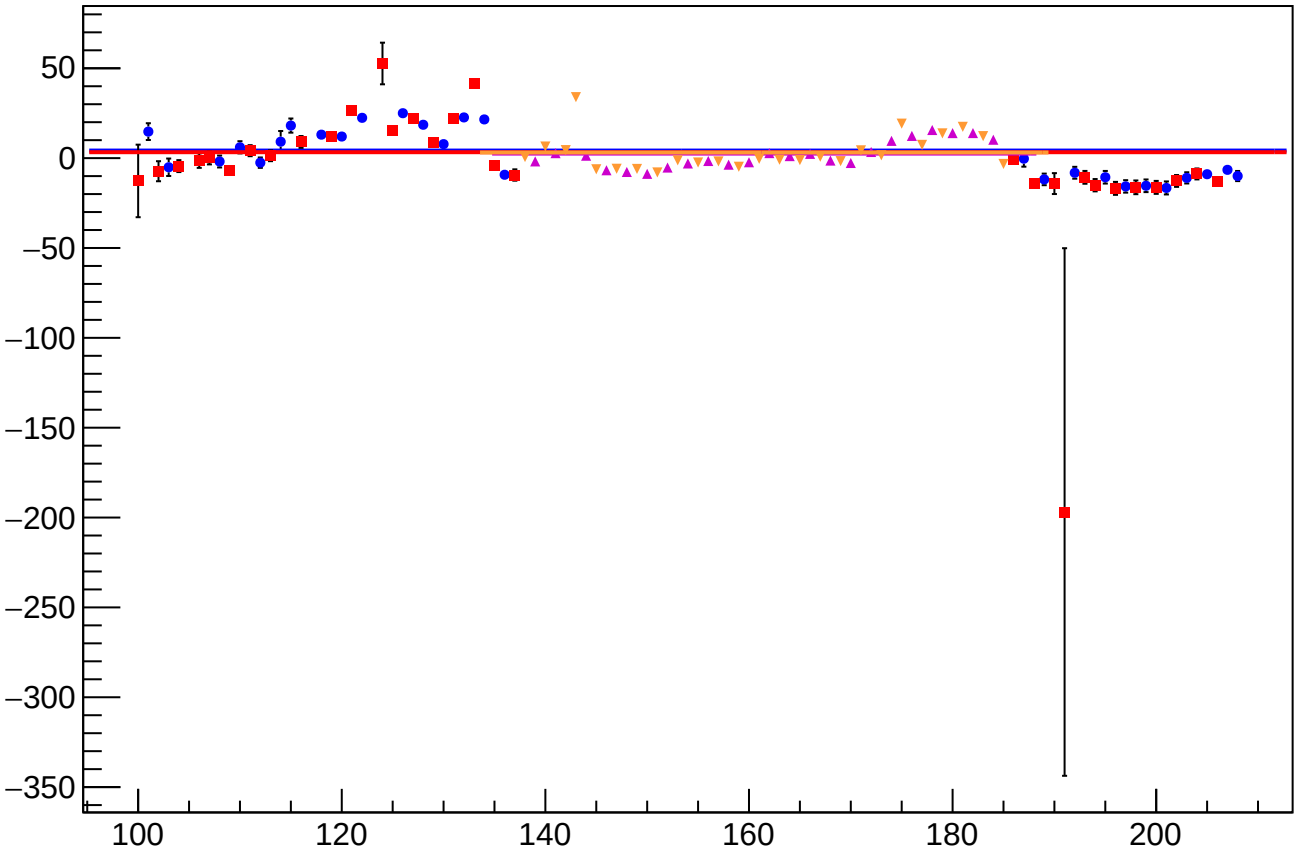
Right Out: 67.150+/-0.383 χ^2/NDF: 4748.8/30

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 48.252+/-0.232 χ^2/NDF: 9335.6/51

All: 48.799+/-0.163 χ^2/NDF: 17878.4/105

\- sign 49.330+/-0.229 χ^2/NDF: 8531.9/53



Right In: 4.209+/-0.525 χ^2/NDF: 701.1/26

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 3.302+/-0.525 χ^2/NDF: 892.1/30

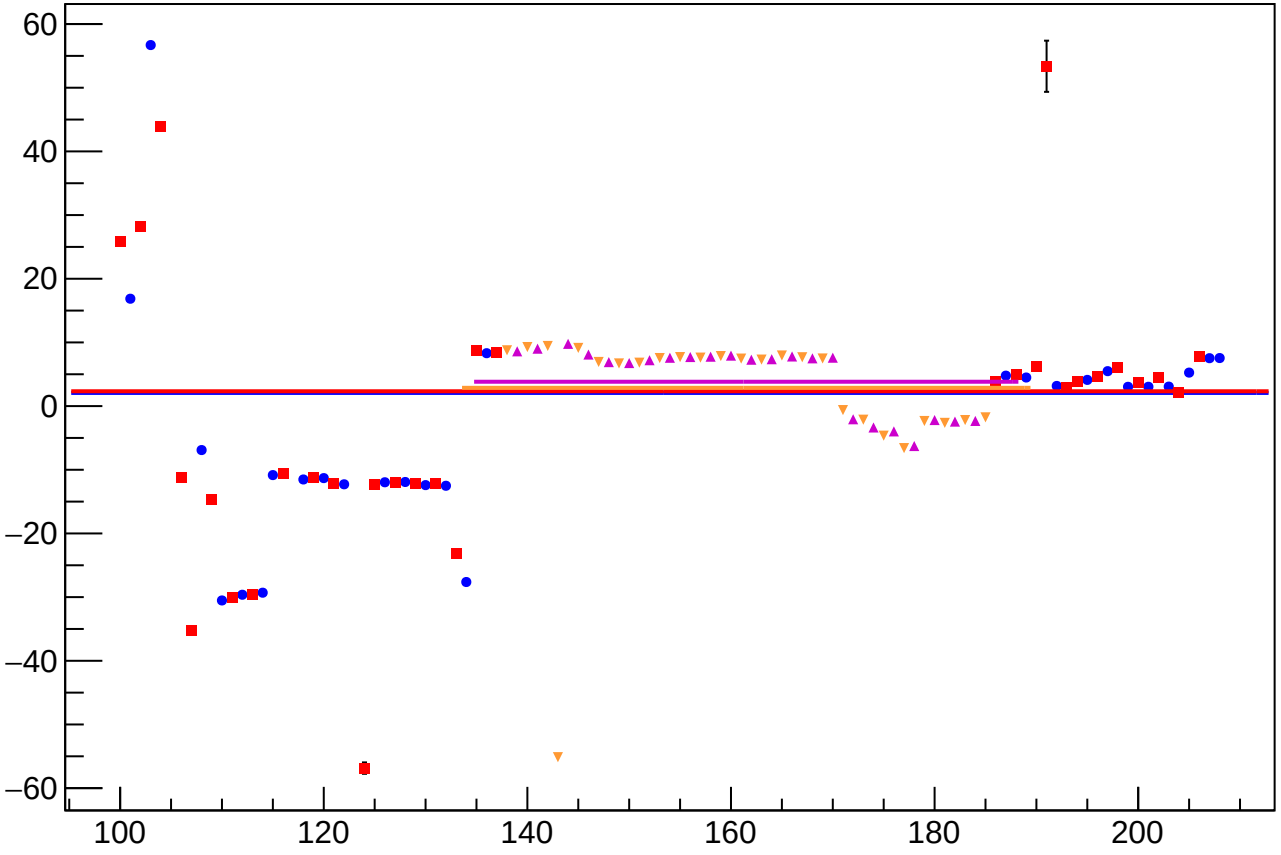
Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.333+/-0.222 χ^2/NDF: 1971.5/51

All: 3.005+/-0.159 χ^2/NDF: 3838.0/105

- sign 2.665+/-0.226 χ^2/NDF: 1862.1/53

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 2.068+/-0.025 χ^2/NDF: 382350.7/26

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

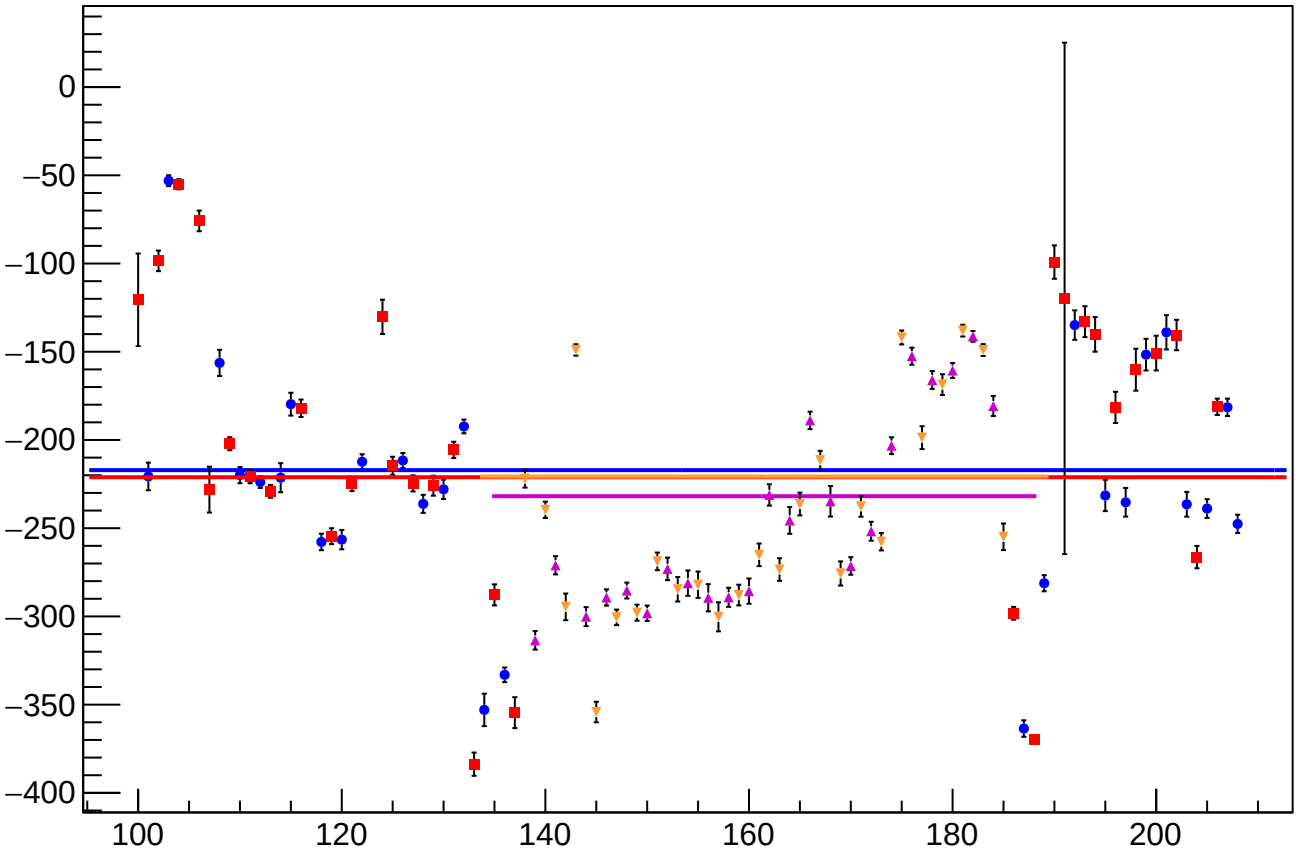
Right Out: 2.330+/-0.025 χ^2/NDF: 330192.9/30

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.739+/-0.010 χ^2/NDF: 895552.2/51

All: 3.155+/-0.007 χ^2/NDF: 1465410.3/105

- sign 3.580+/-0.010 χ^2/NDF: 566392.1/53



Right In: -217.092+/-0.997 χ^2/NDF: 5658.2/26

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -221.108+/-0.921 χ^2/NDF: 10257.3/30

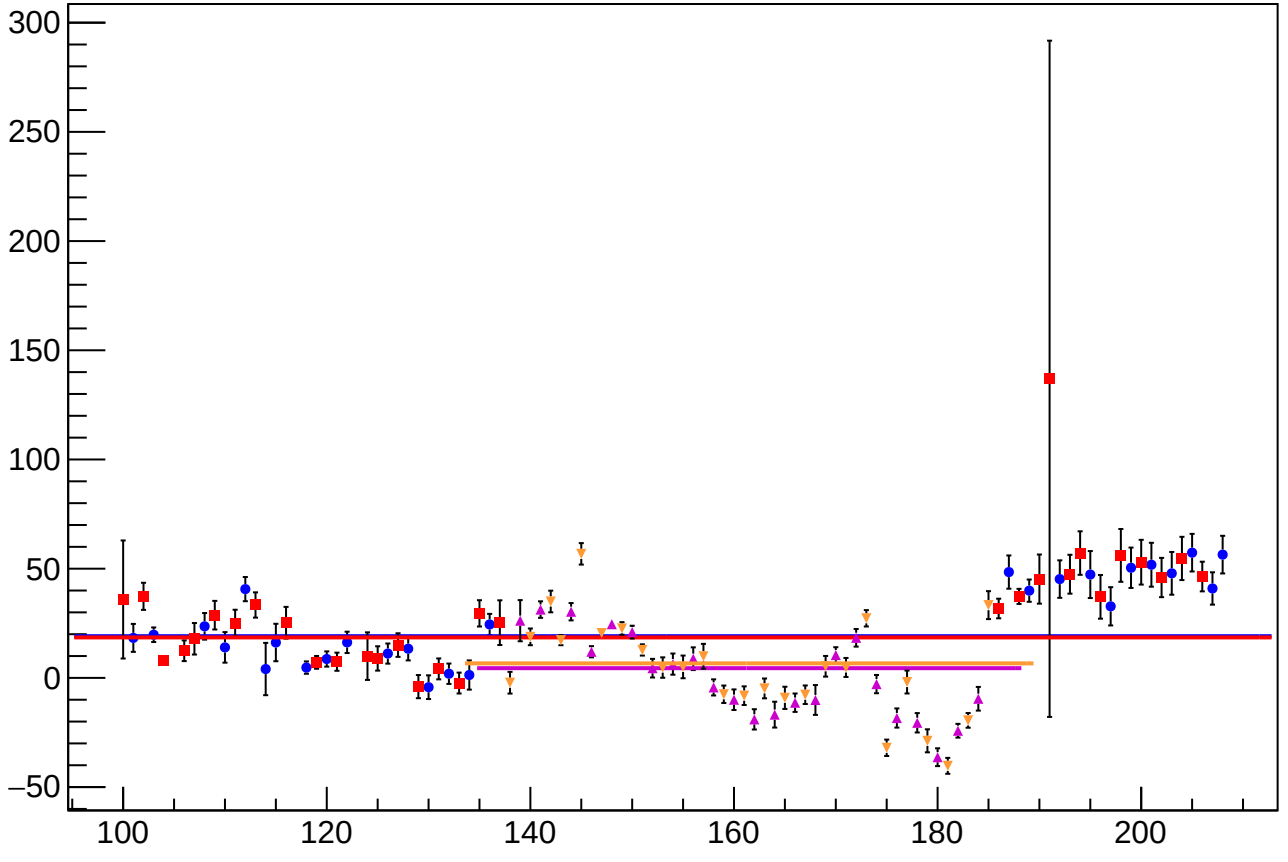
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -218.870+/-0.713 χ^2/NDF: 9716.9/51

All: -222.323+/-0.499 χ^2/NDF: 23238.4/105

- sign -225.654+/-0.700 χ^2/NDF: 13475.3/53

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 19.092+/-1.079 χ^2/NDF: 225.8/26

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

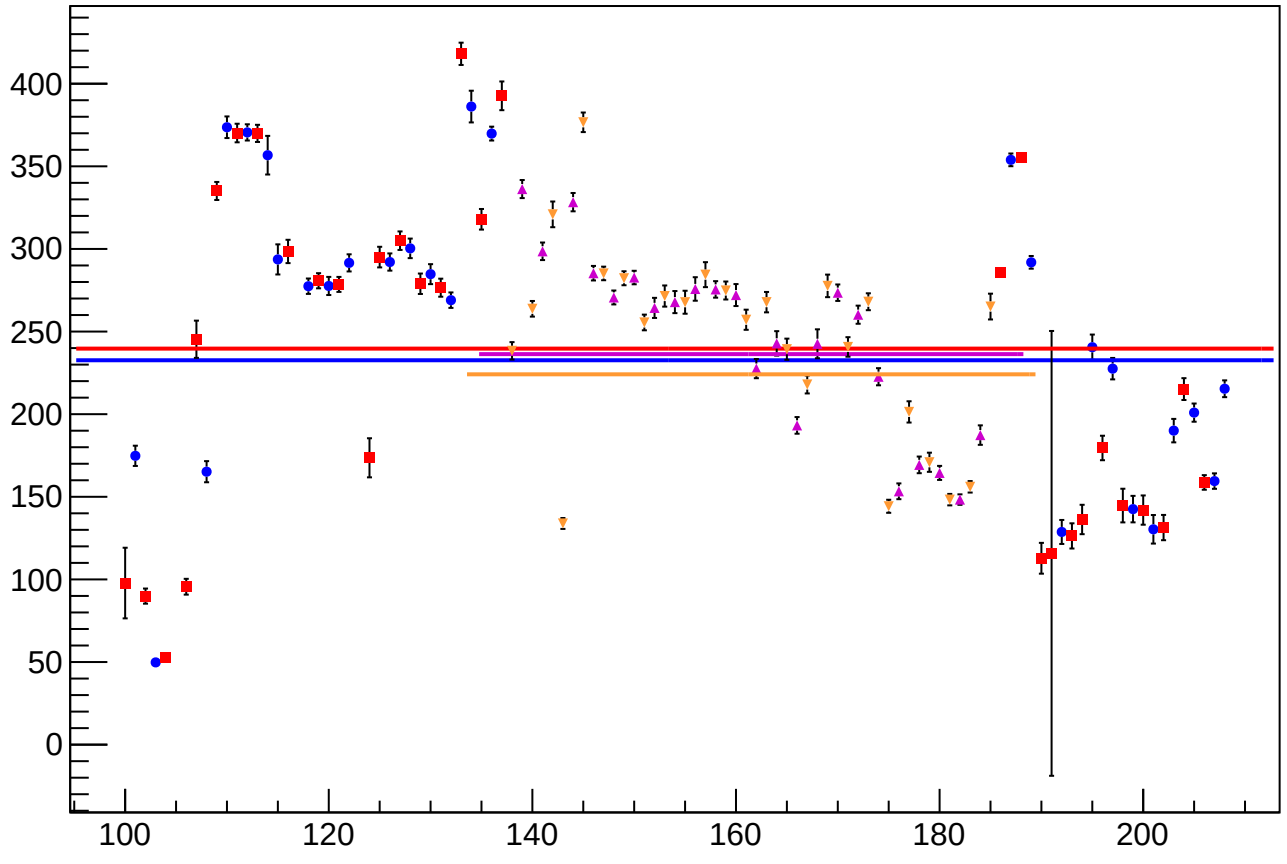
Right Out: 18.528+/-0.986 χ^2/NDF: 254.1/30

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 10.718+/-0.617 χ^2/NDF: 1050.4/51

All: 10.412+/-0.439 χ^2/NDF: 1994.2/105

- sign 10.099+/-0.624 χ^2/NDF: 943.3/53



Right In: 232.630+/-1.004 χ^2/NDF: 11409.5/26

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

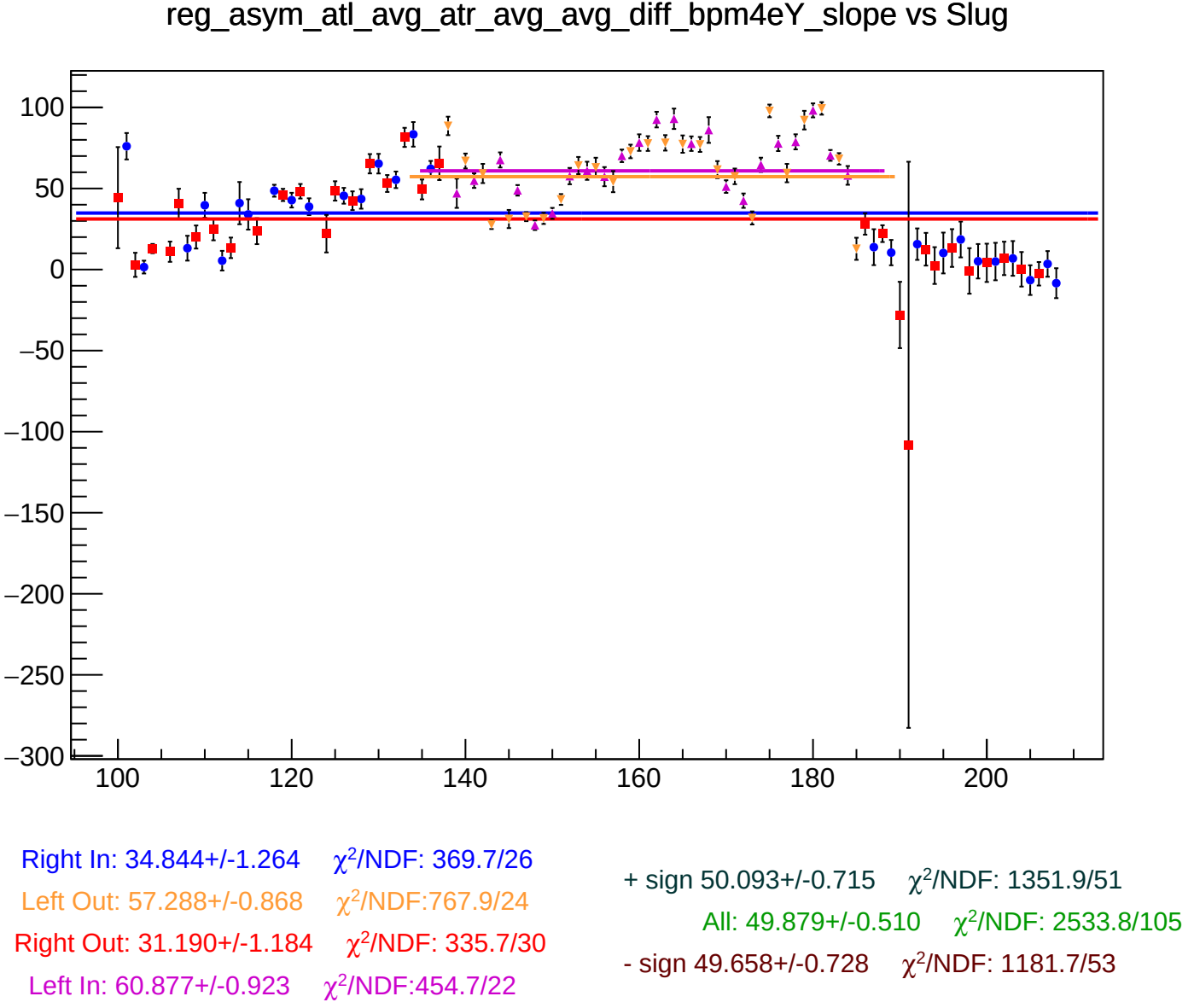
Right Out: 239.679+/-0.898 χ^2/NDF: 16967.6/30

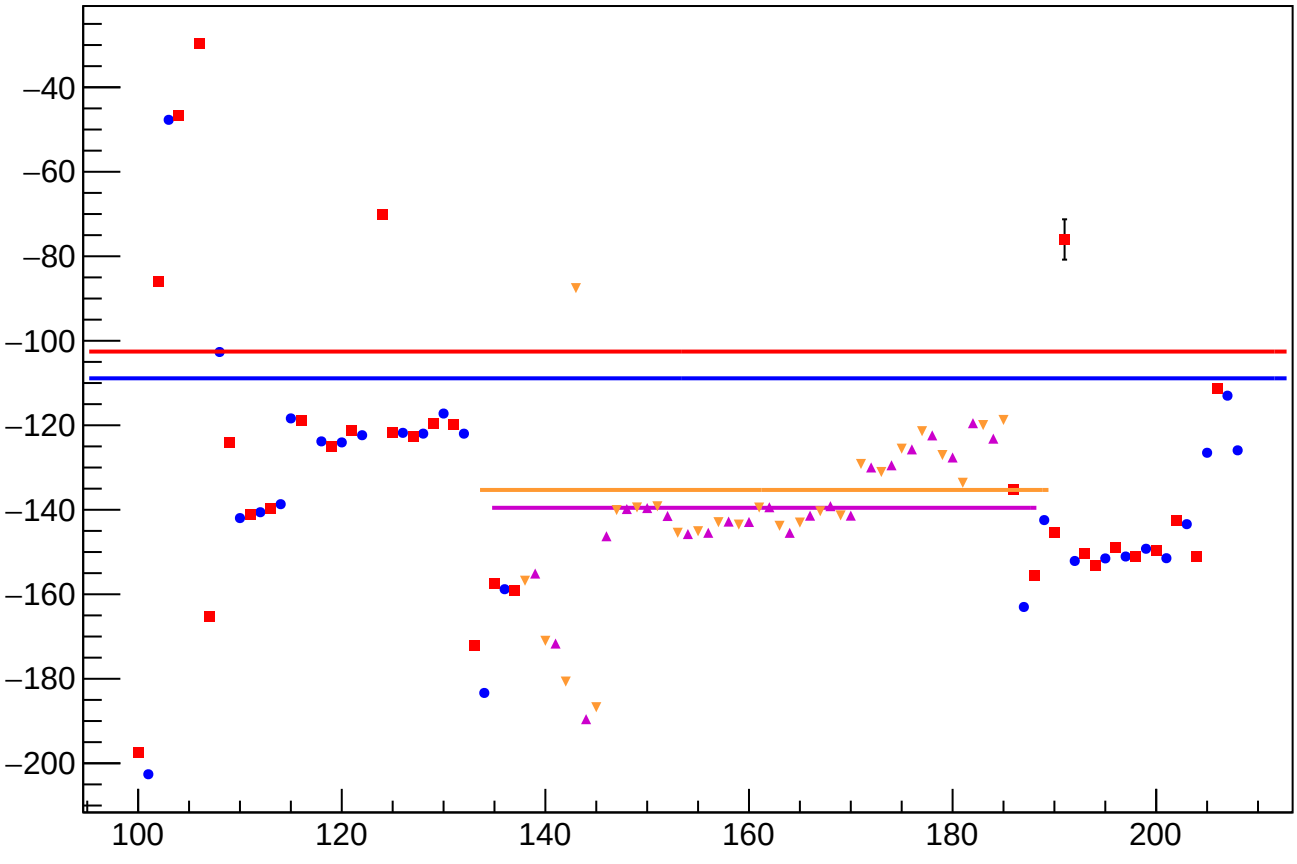
Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 228.416+/-0.713 χ^2/NDF: 15411.7/51

All: 233.543+/-0.495 χ^2/NDF: 35477.5/105

- sign 238.295+/-0.687 χ^2/NDF: 19966.3/53


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug
100
50
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
200
Right In: 34.844+/-1.264 χ²/NDF: 369.7/26
Left Out: 57.288+/-0.868 χ²/NDF:767.9/24
Right Out: 31.190+/-1.184 χ²/NDF: 335.7/30
Left In: 60.877+/-0.923 χ²/NDF:454.7/22
+ sign 50.093+/-0.715 χ²/NDF: 1351.9/51
All: 49.879+/-0.510 χ²/NDF: 2533.8/105
- sign 49.658+/-0.728 χ²/NDF: 1181.7/53



Right In: -108.884+/-0.058 χ^2/NDF: 664700.3/26

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

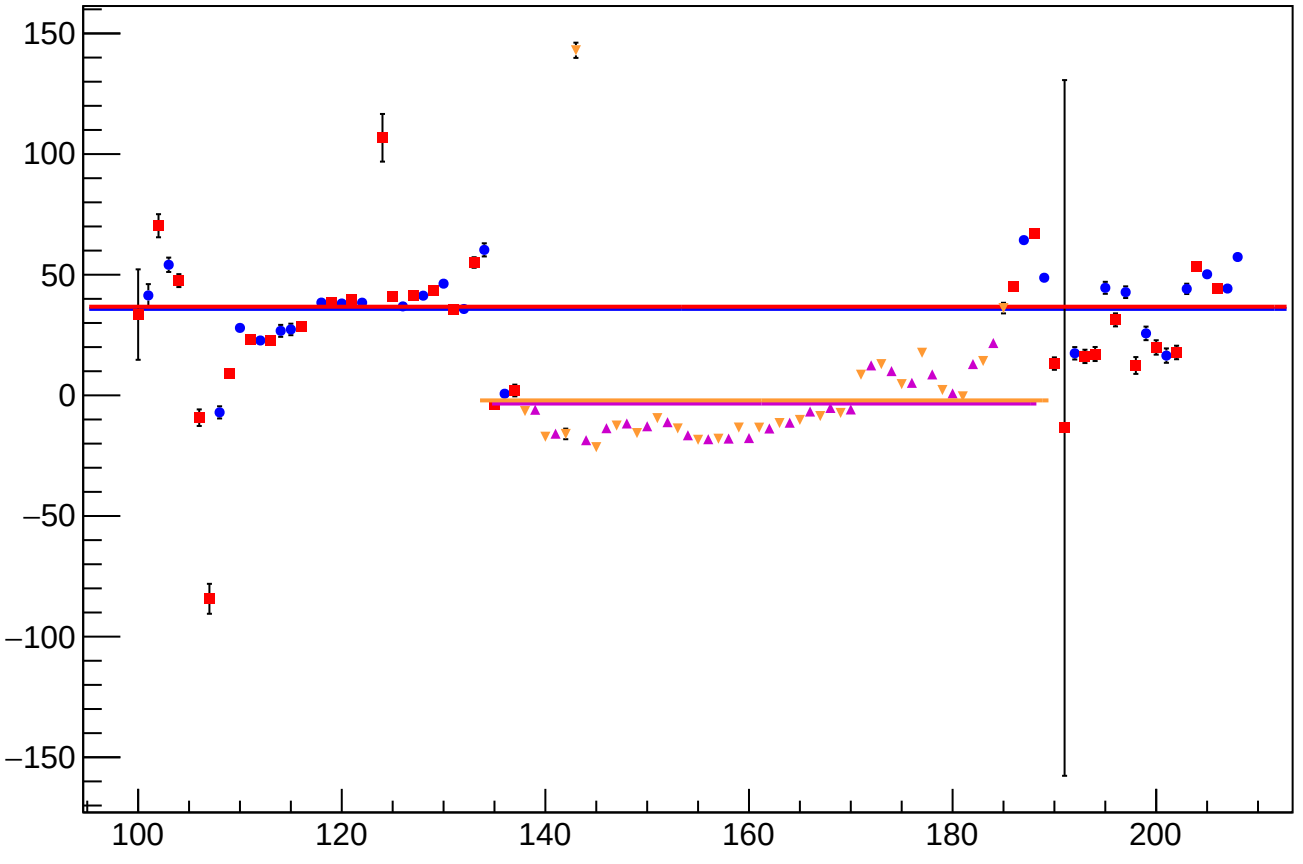
Right Out: -102.553+/-0.056 χ^2/NDF: 719498.2/30

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -126.698+/-0.033 χ^2/NDF: 1065701.2/51

All: -126.503+/-0.024 χ^2/NDF: 2175676.2/10

- sign -126.302+/-0.034 χ^2/NDF: 1109905.3/53



Right In: 35.838+/-0.341 χ^2/NDF: 2550.4/26

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

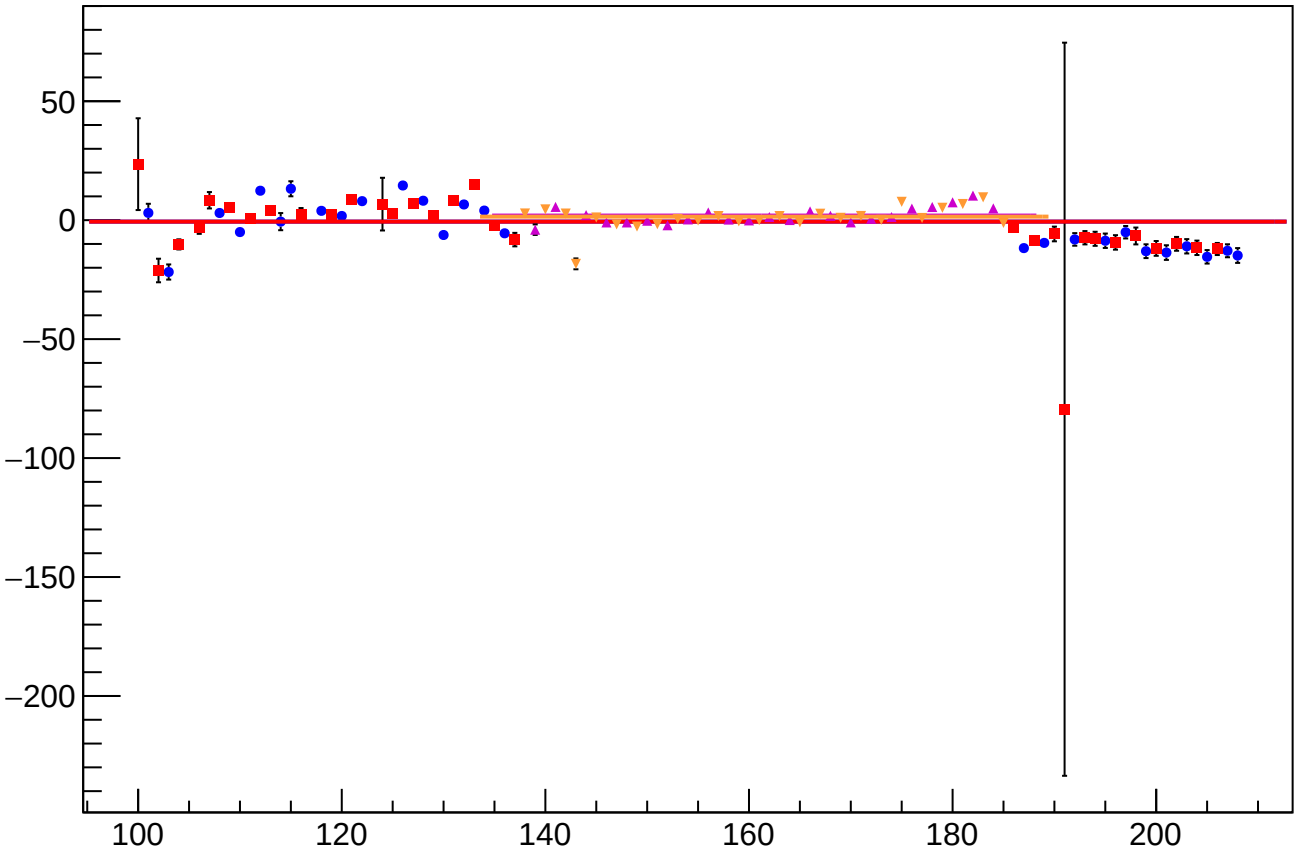
Right Out: 36.740+/-0.307 χ^2/NDF: 4710.6/30

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 12.313+/-0.210 χ^2/NDF: 14428.4/51

All: 13.278+/-0.146 χ^2/NDF: 30515.1/105

- sign 14.183+/-0.203 χ^2/NDF: 16045.8/53



Right In: -0.611+/-0.382 χ^2/NDF: 511.0/26

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

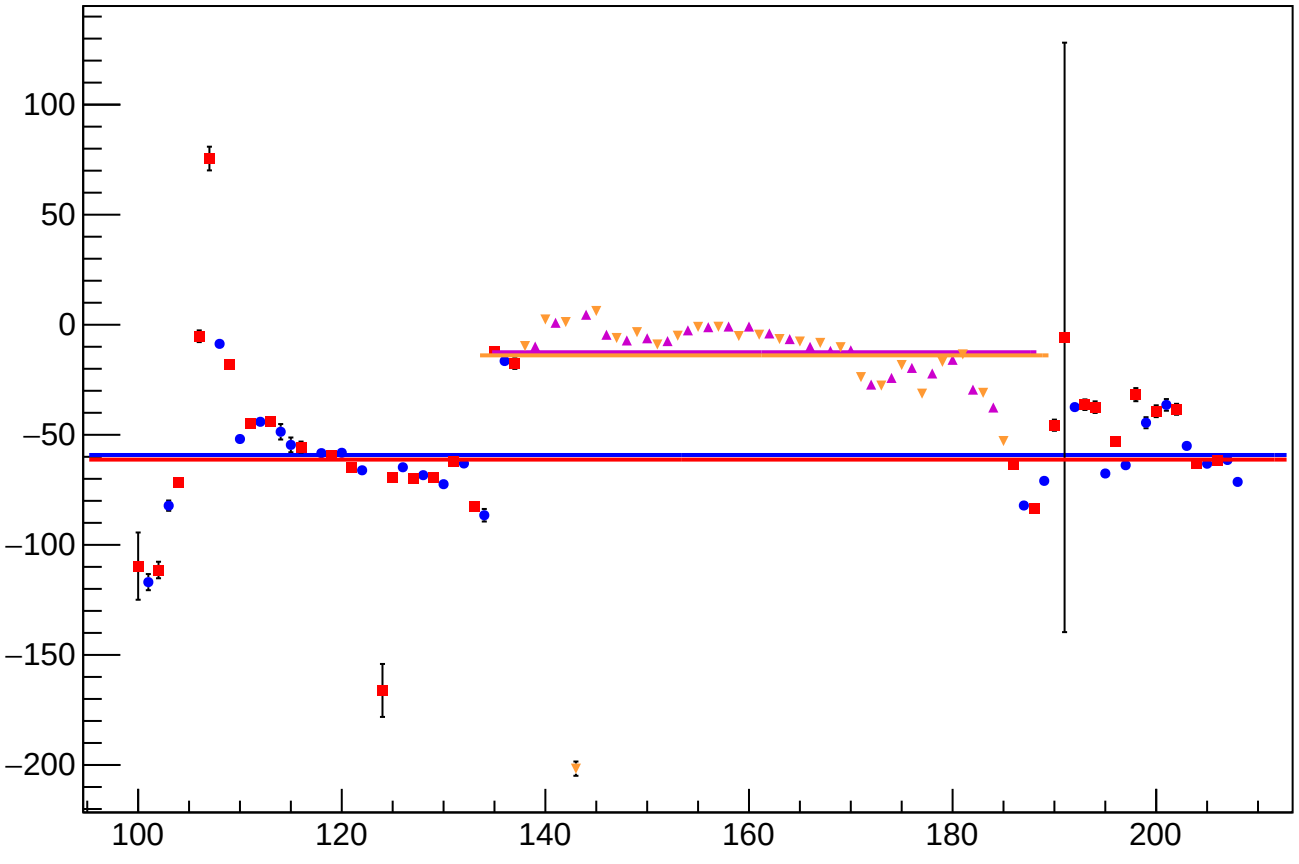
Right Out: -0.616+/-0.358 χ^2/NDF: 409.4/30

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.019+/-0.181 χ^2/NDF: 863.1/51

All: 1.148+/-0.128 χ^2/NDF: 1551.9/105

- sign 1.279+/-0.181 χ^2/NDF: 687.8/53



Right In: -59.166+/-0.352 χ^2/NDF: 3386.1/26

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

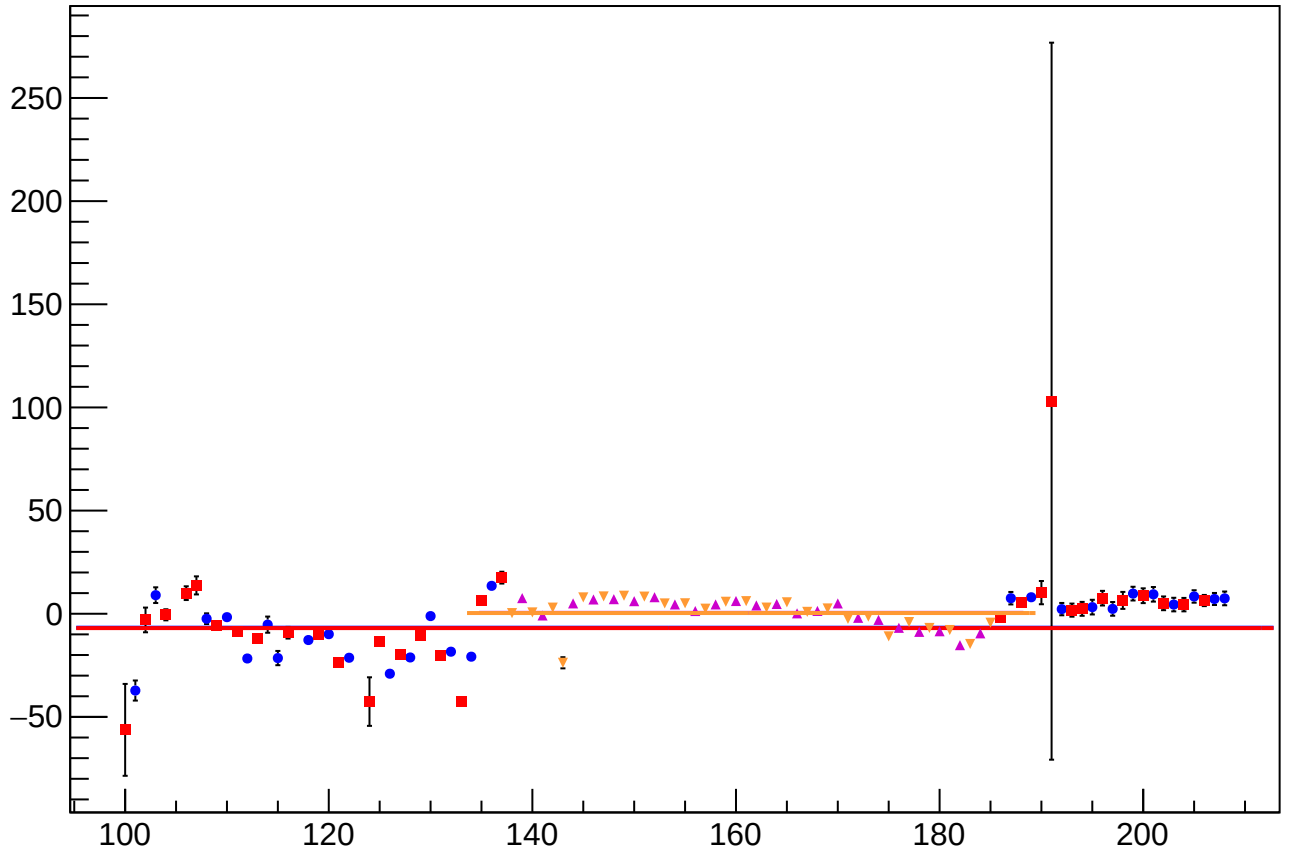
Right Out: -61.262+/-0.303 χ^2/NDF: 5464.0/30

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -30.227+/-0.212 χ^2/NDF: 19055.0/51

All: -32.204+/-0.146 χ^2/NDF: 40632.4/105

- sign -33.986+/-0.201 χ^2/NDF: 21411.5/53



Right In: -6.761+/-0.444 χ^2/NDF: 936.8/26

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

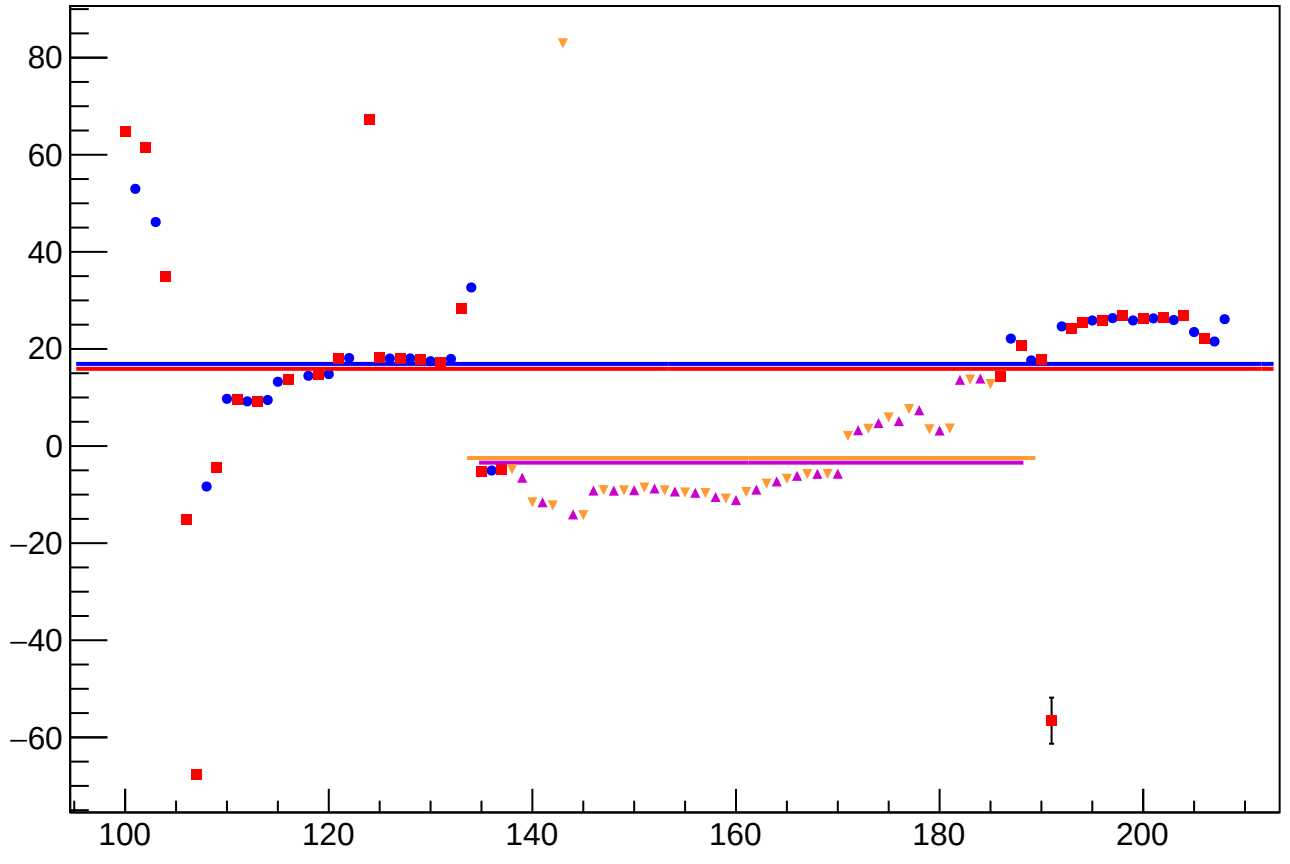
Right Out: -6.959+/-0.431 χ^2/NDF: 939.1/30

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.172+/-0.205 χ^2/NDF: 2060.1/51

All: -1.225+/-0.146 χ^2/NDF: 4007.4/105

\- sign -1.279+/-0.207 χ^2/NDF: 1947.1/53



Right In: 16.926+/-0.023 χ^2/NDF: 437664.7/26

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

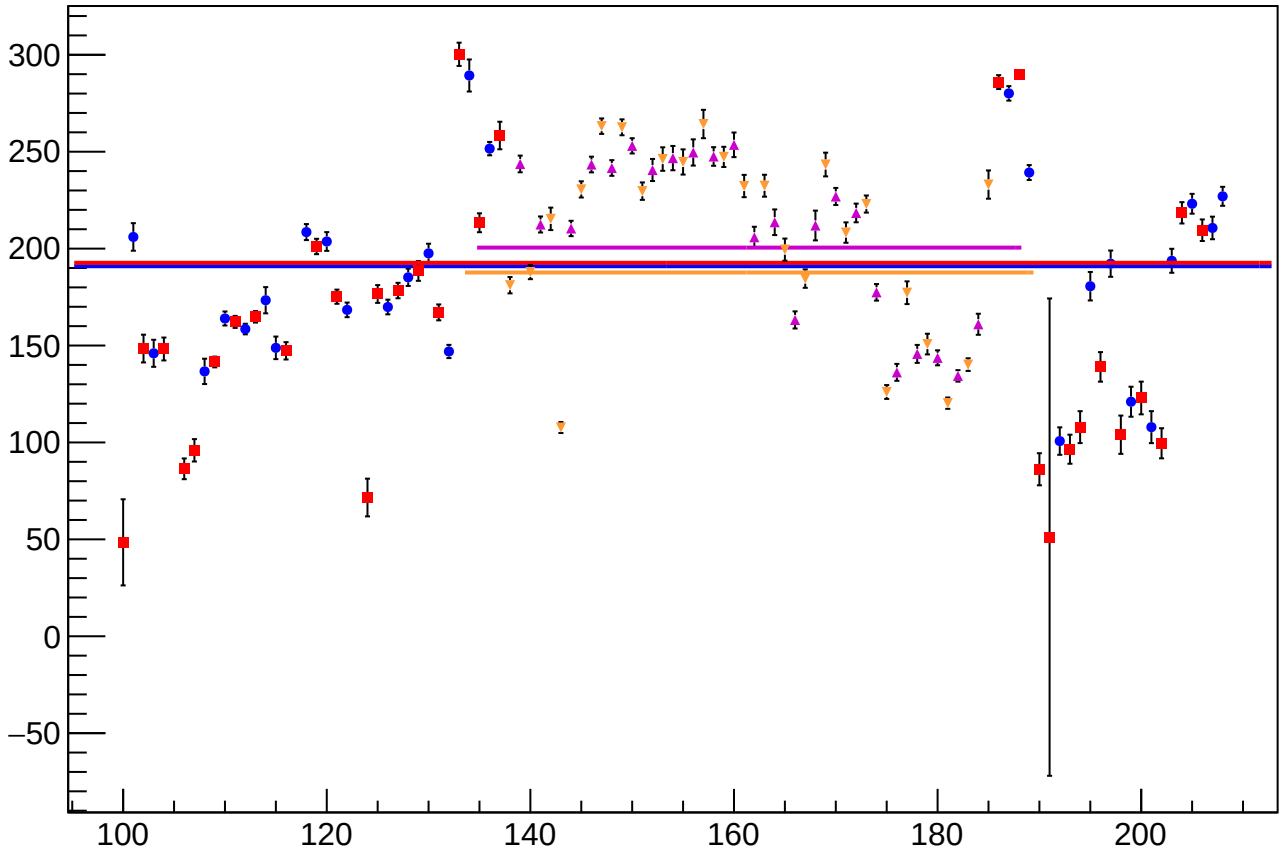
Right Out: 15.912+/-0.022 χ^2/NDF: 557354.1/30

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 0.933+/-0.009 χ^2/NDF: 2011478.7/51

All: 0.480+/-0.007 χ^2/NDF: 3730292.6/105

- sign 0.022+/-0.009 χ^2/NDF: 1714151.1/53



Right In: 190.920+/-0.910 χ^2/NDF: 2258.9/26

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 192.685+/-0.827 χ^2/NDF: 6004.7/30

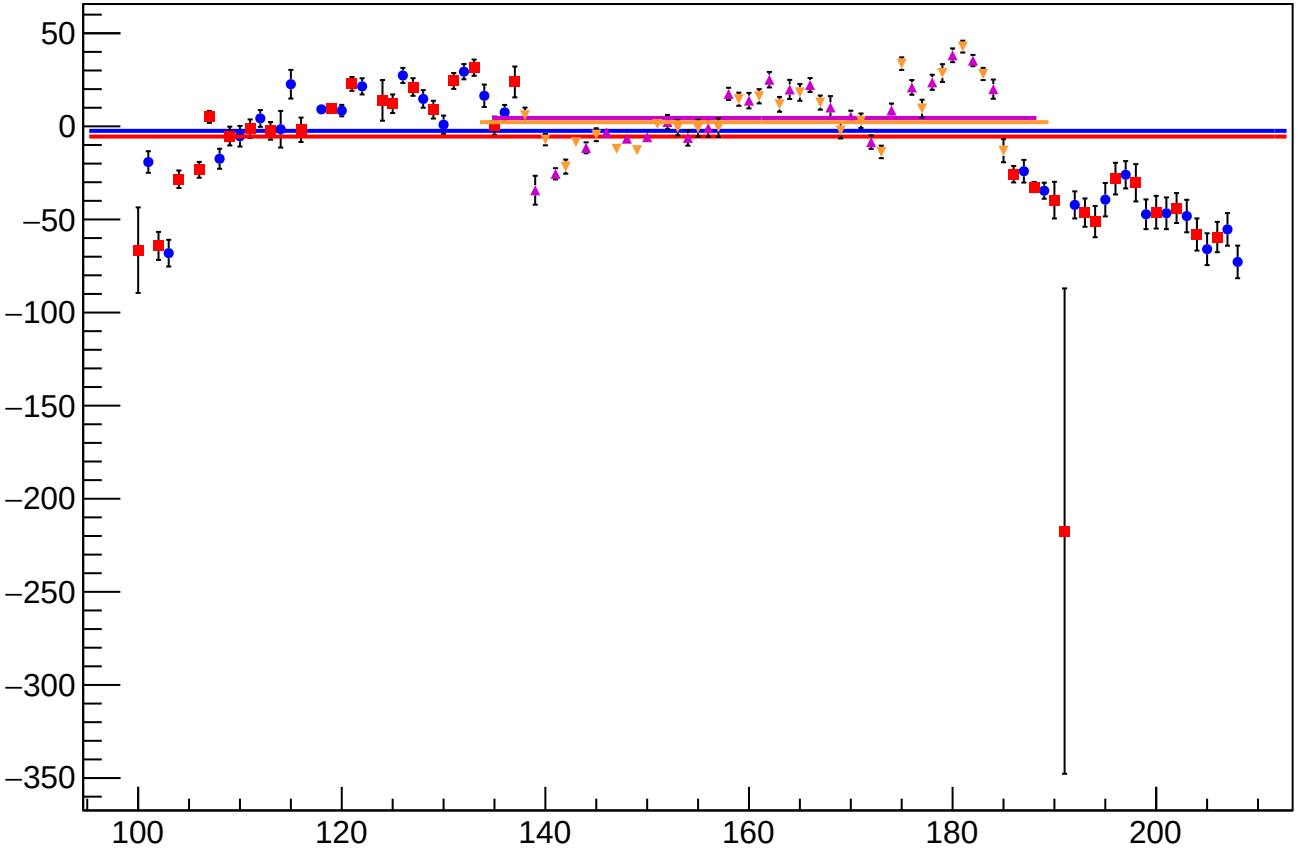
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 189.278+/-0.639 χ^2/NDF: 5793.6/51

All: 192.734+/-0.447 χ^2/NDF: 14005.4/105

\- sign 196.041+/-0.625 χ^2/NDF: 8154.6/53

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -2.408+/-0.990 χ^2/NDF: 687.2/26

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

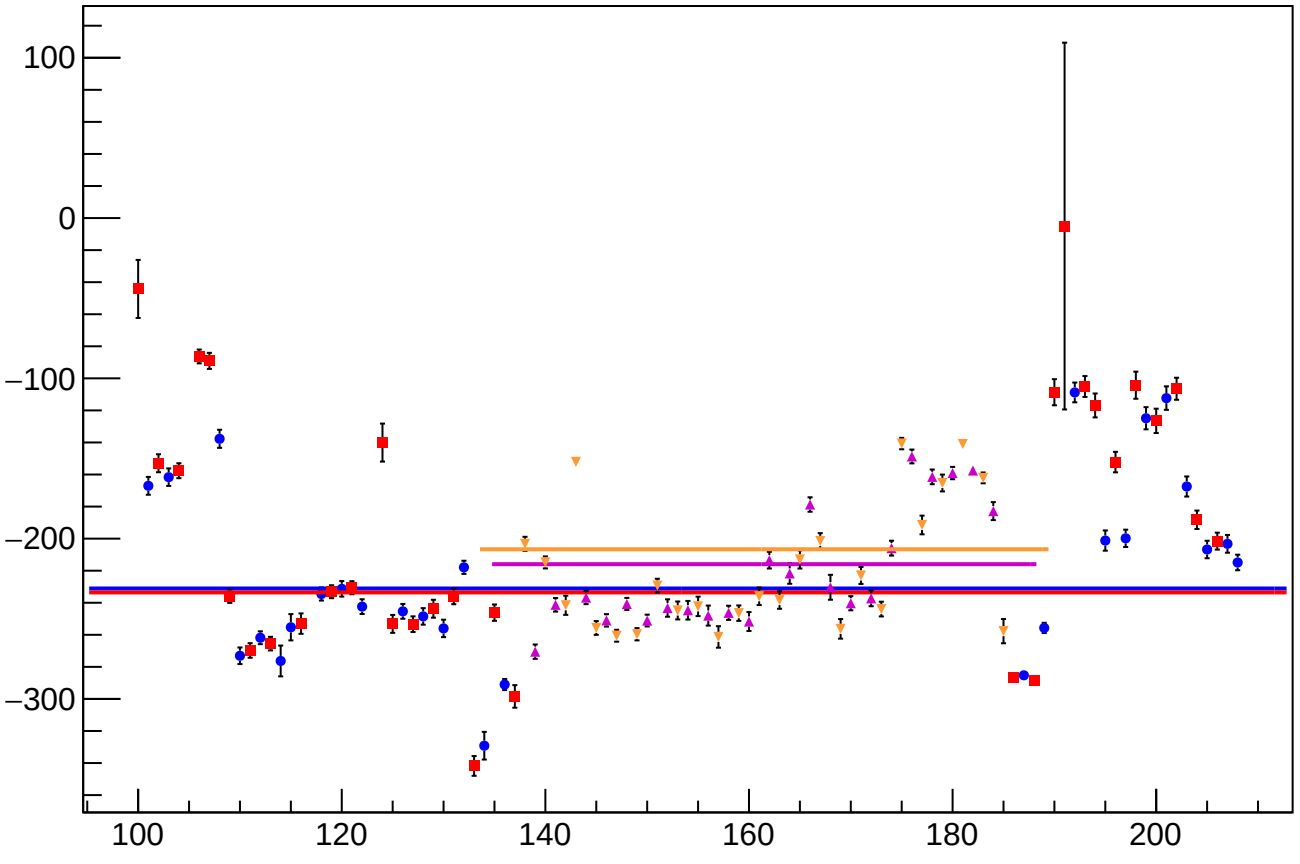
Right Out: -5.482+/-0.916 χ^2/NDF: 733.8/30

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 0.800+/-0.552 χ^2/NDF: 1303.3/51

All: 0.769+/-0.394 χ^2/NDF: 2658.2/105

- sign 0.735+/-0.563 χ^2/NDF: 1354.9/53



Right In: -231.112+/-0.950 χ^2/NDF: 2683.1/26

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.542+/-0.833 χ^2/NDF: 6659.3/30

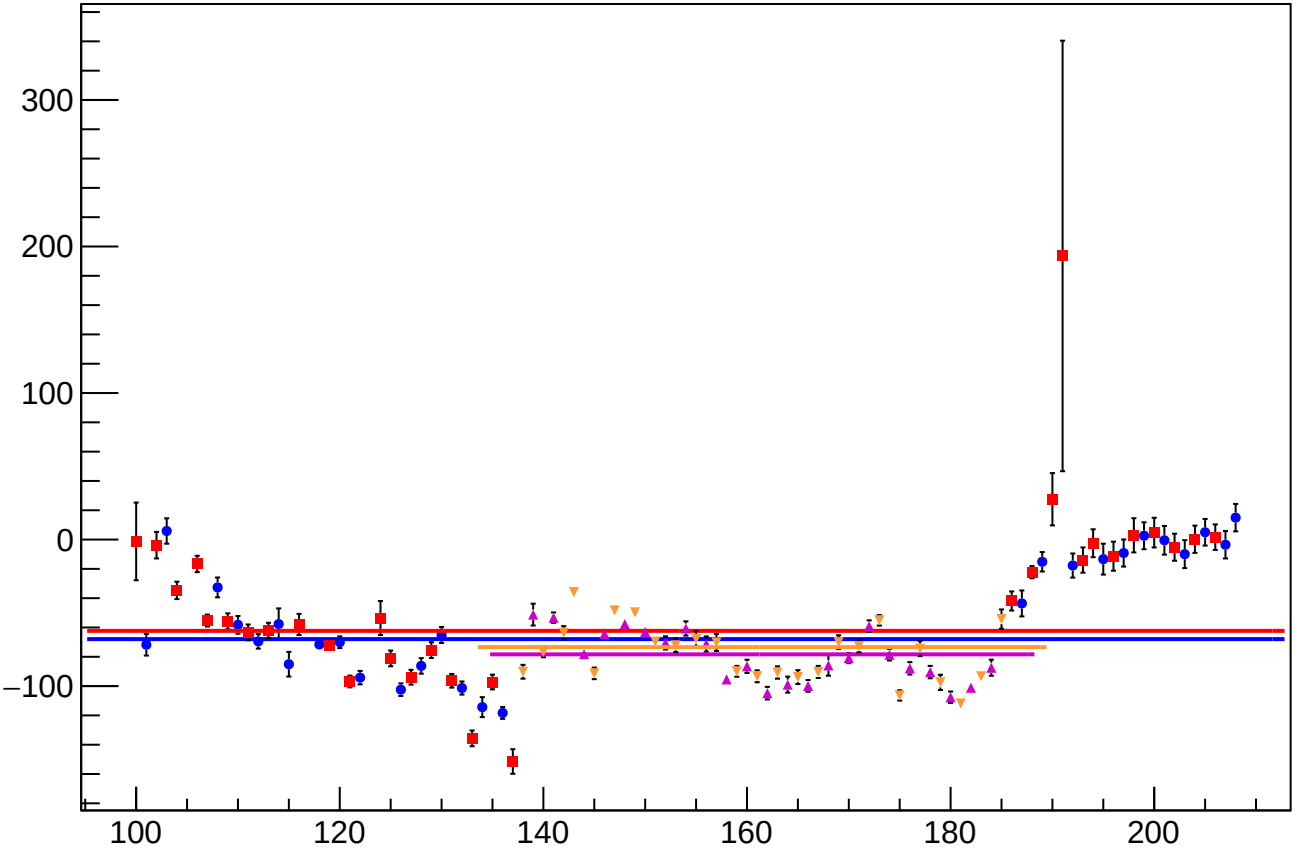
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.127+/-0.651 χ^2/NDF: 5503.0/51

All: -222.149+/-0.451 χ^2/NDF: 14142.5/105

- sign -225.854+/-0.625 χ^2/NDF: 8566.3/53

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -67.939+/-1.160 χ^2/NDF: 985.5/26

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

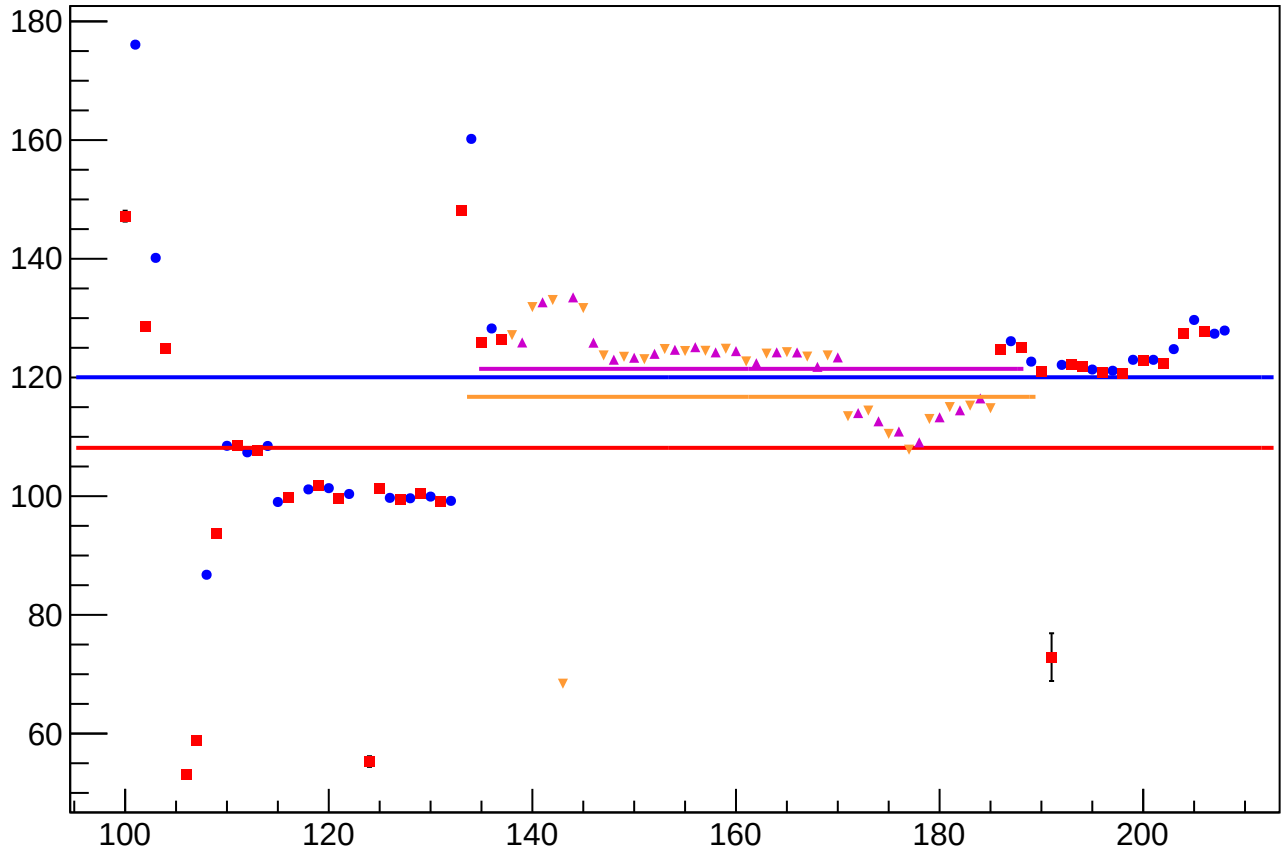
Right Out: -62.305+/-1.095 χ^2/NDF: 1122.0/30

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -71.757+/-0.640 χ^2/NDF: 1837.6/51

All: -72.167+/-0.458 χ^2/NDF: 3541.2/105

- sign -72.596+/-0.655 χ^2/NDF: 1702.8/53



Right In: 120.037+/-0.061 χ^2/NDF: 98387.5/26

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

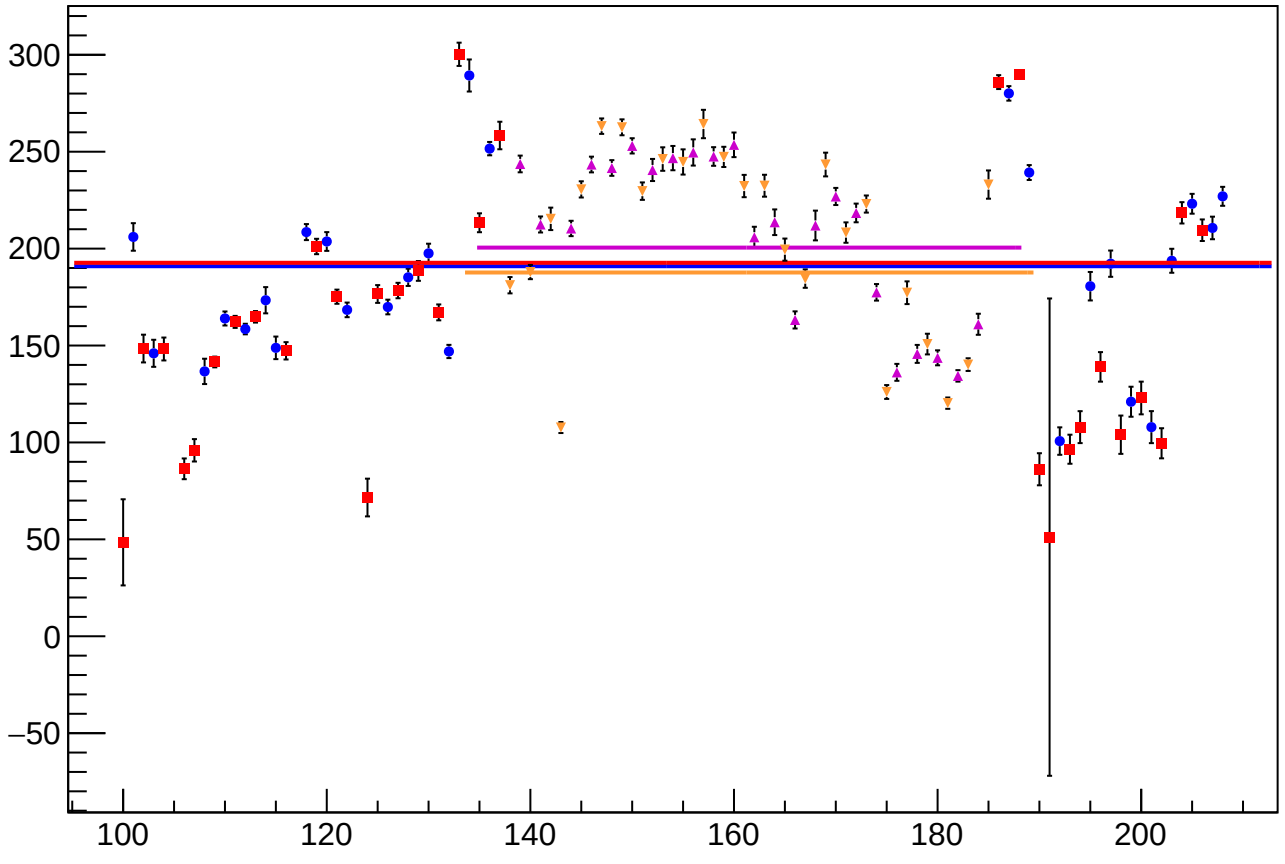
Right Out: 108.143+/-0.056 χ^2/NDF: 207794.2/30

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.581+/-0.031 χ^2/NDF: 304199.0/51

All: 117.485+/-0.022 χ^2/NDF: 579785.2/105

- sign 117.388+/-0.031 χ^2/NDF: 275566.8/53



Right In: 190.920+/-0.910 χ^2/NDF: 2258.9/26

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

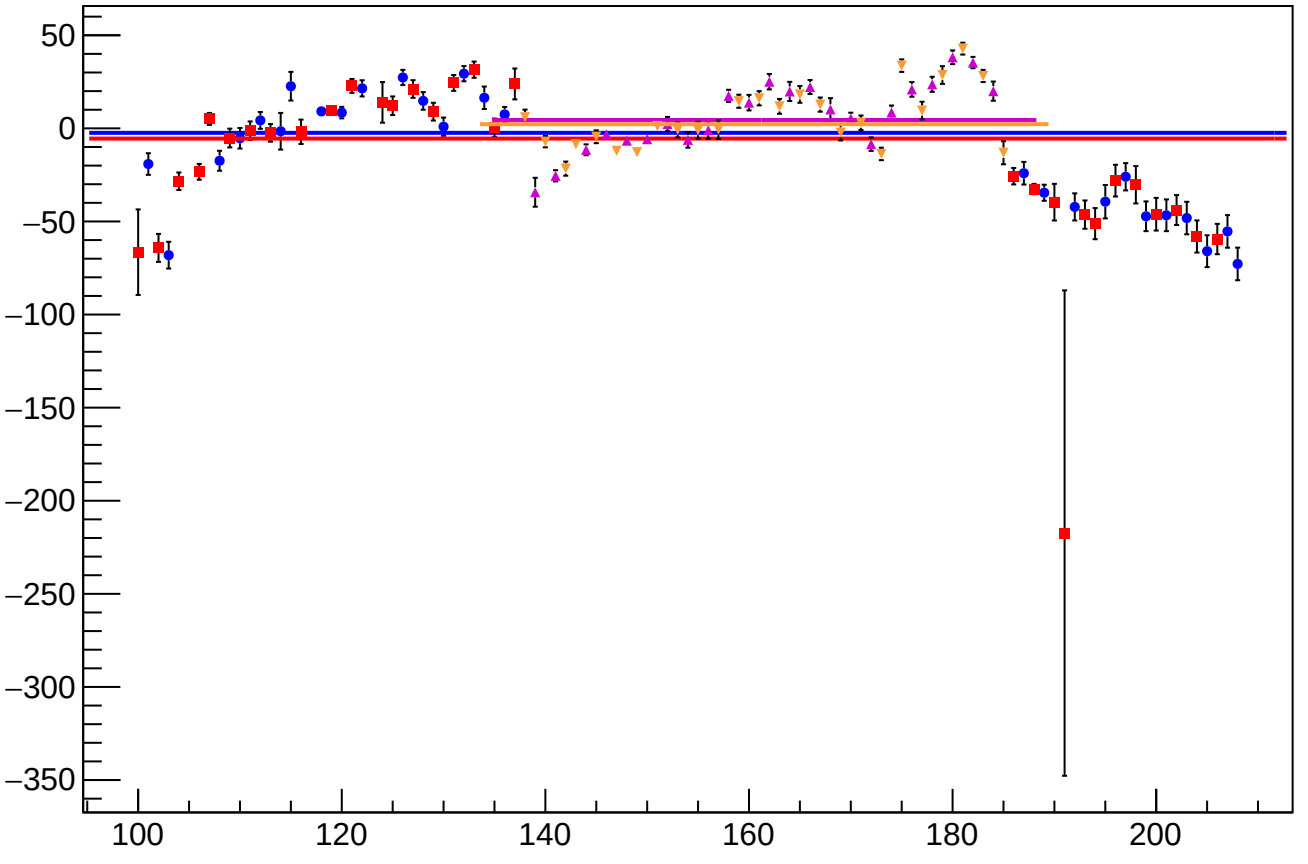
Right Out: 192.685+/-0.827 χ^2/NDF: 6004.7/30

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 189.278+/-0.639 χ^2/NDF: 5793.6/51

All: 192.734+/-0.447 χ^2/NDF: 14005.4/105

- sign 196.041+/-0.625 χ^2/NDF: 8154.6/53



Right In: -2.408+/-0.990 χ^2/NDF: 687.2/26

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

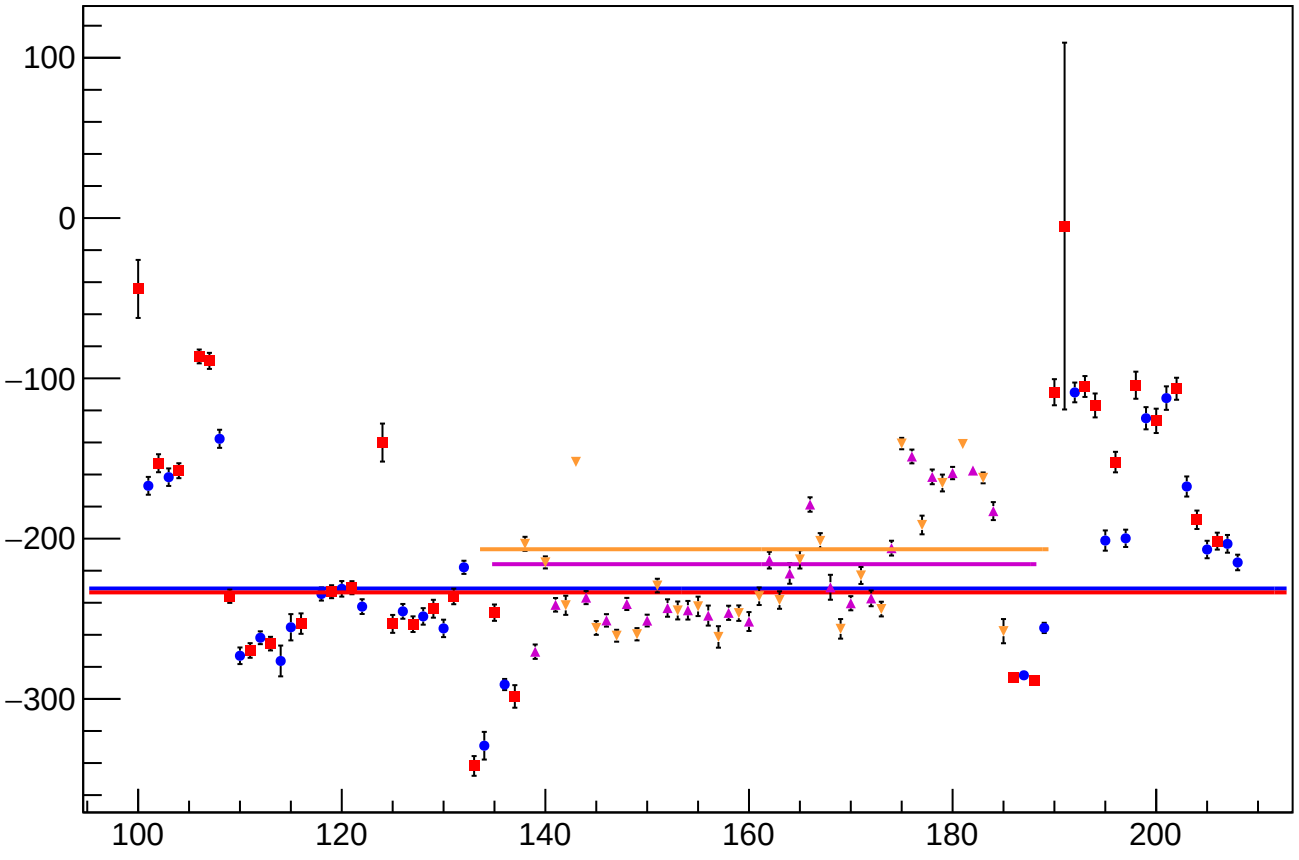
Right Out: -5.482+/-0.916 χ^2/NDF: 733.8/30

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 0.800+/-0.552 χ^2/NDF: 1303.3/51

All: 0.769+/-0.394 χ^2/NDF: 2658.2/105

- sign 0.735+/-0.563 χ^2/NDF: 1354.9/53



Right In: -231.112+/-0.950 χ^2/NDF: 2683.1/26

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

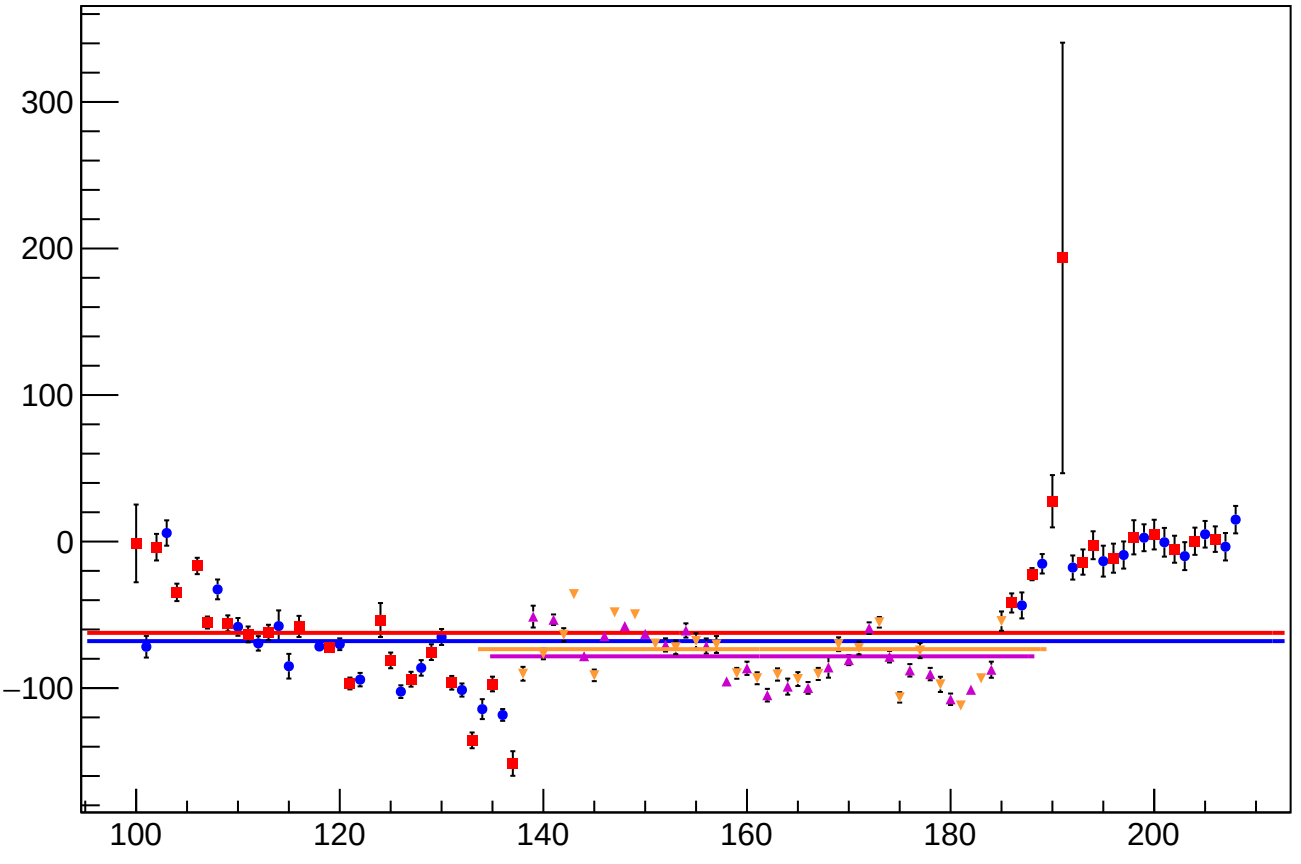
Right Out: -233.542+/-0.833 χ^2/NDF: 6659.3/30

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.127+/-0.651 χ^2/NDF: 5503.0/51

All: -222.149+/-0.451 χ^2/NDF: 14142.5/105

- sign -225.854+/-0.625 χ^2/NDF: 8566.3/53



Right In: -67.939+/-1.160 χ^2/NDF: 985.5/26

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

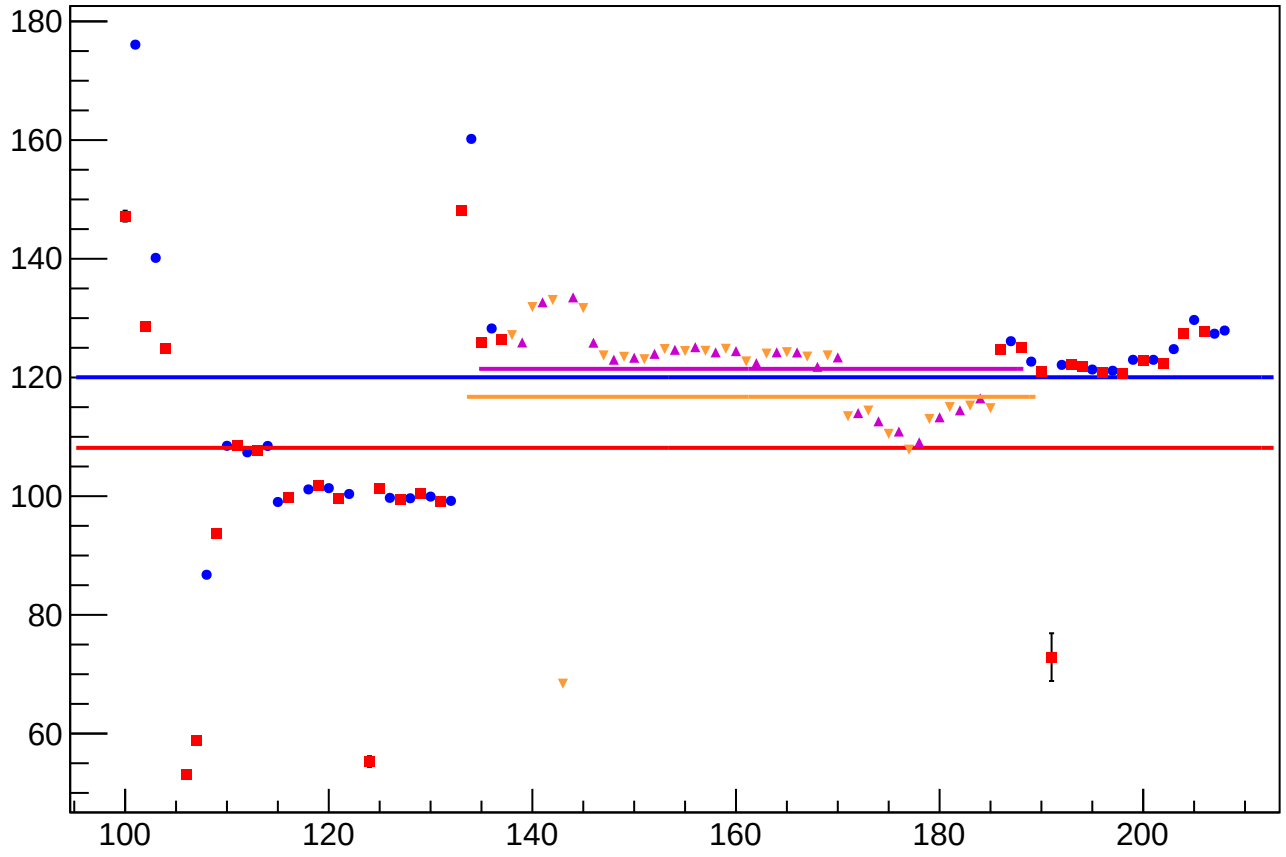
Right Out: -62.305+/-1.095 χ^2/NDF: 1122.0/30

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -71.757+/-0.640 χ^2/NDF: 1837.6/51

All: -72.167+/-0.458 χ^2/NDF: 3541.2/105

- sign -72.596+/-0.655 χ^2/NDF: 1702.8/53



Right In: 120.037+/-0.061 χ^2/NDF: 98387.5/26

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

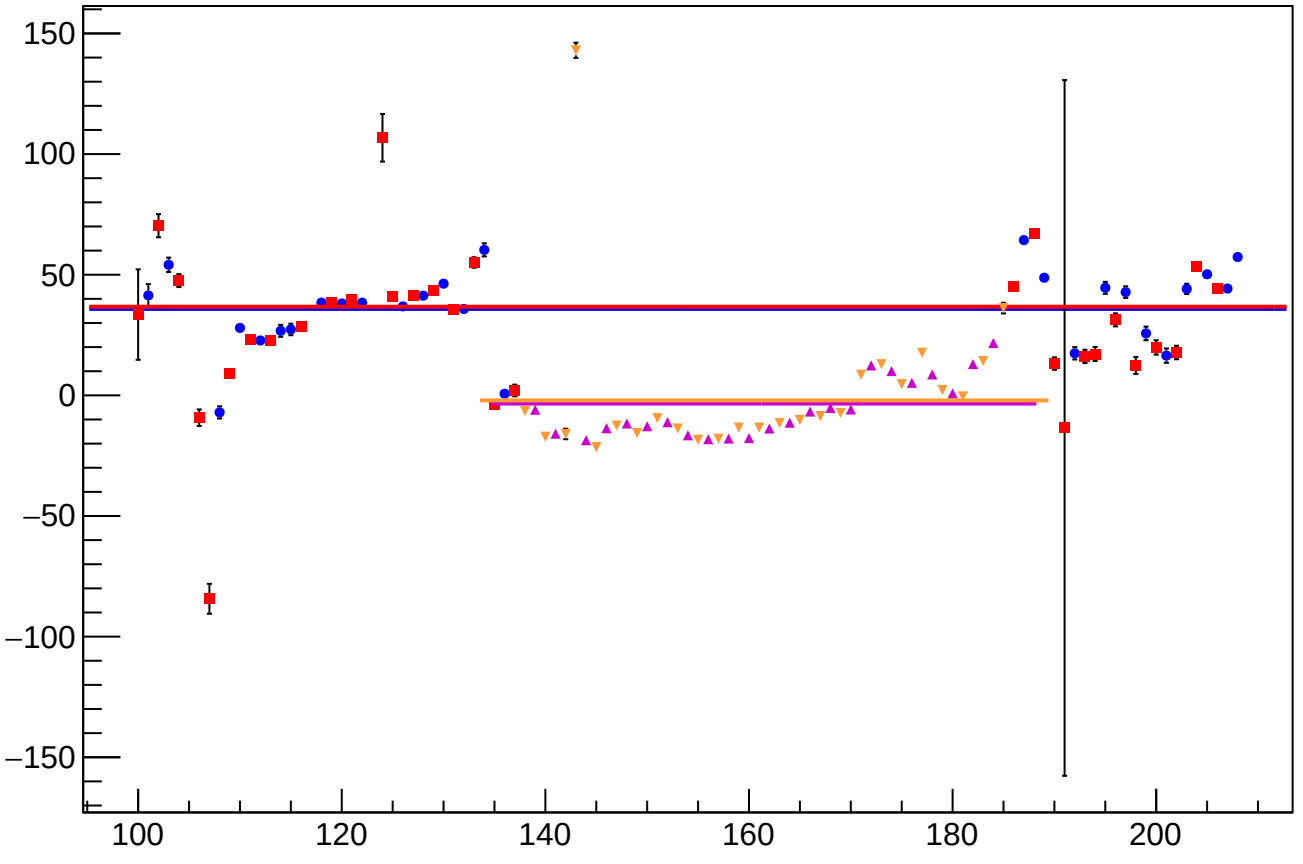
Right Out: 108.143+/-0.056 χ^2/NDF: 207794.2/30

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.581+/-0.031 χ^2/NDF: 304199.0/51

All: 117.485+/-0.022 χ^2/NDF: 579785.2/105

- sign 117.388+/-0.031 χ^2/NDF: 275566.8/53



Right In: 35.838+/-0.341 χ^2/NDF: 2550.4/26

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

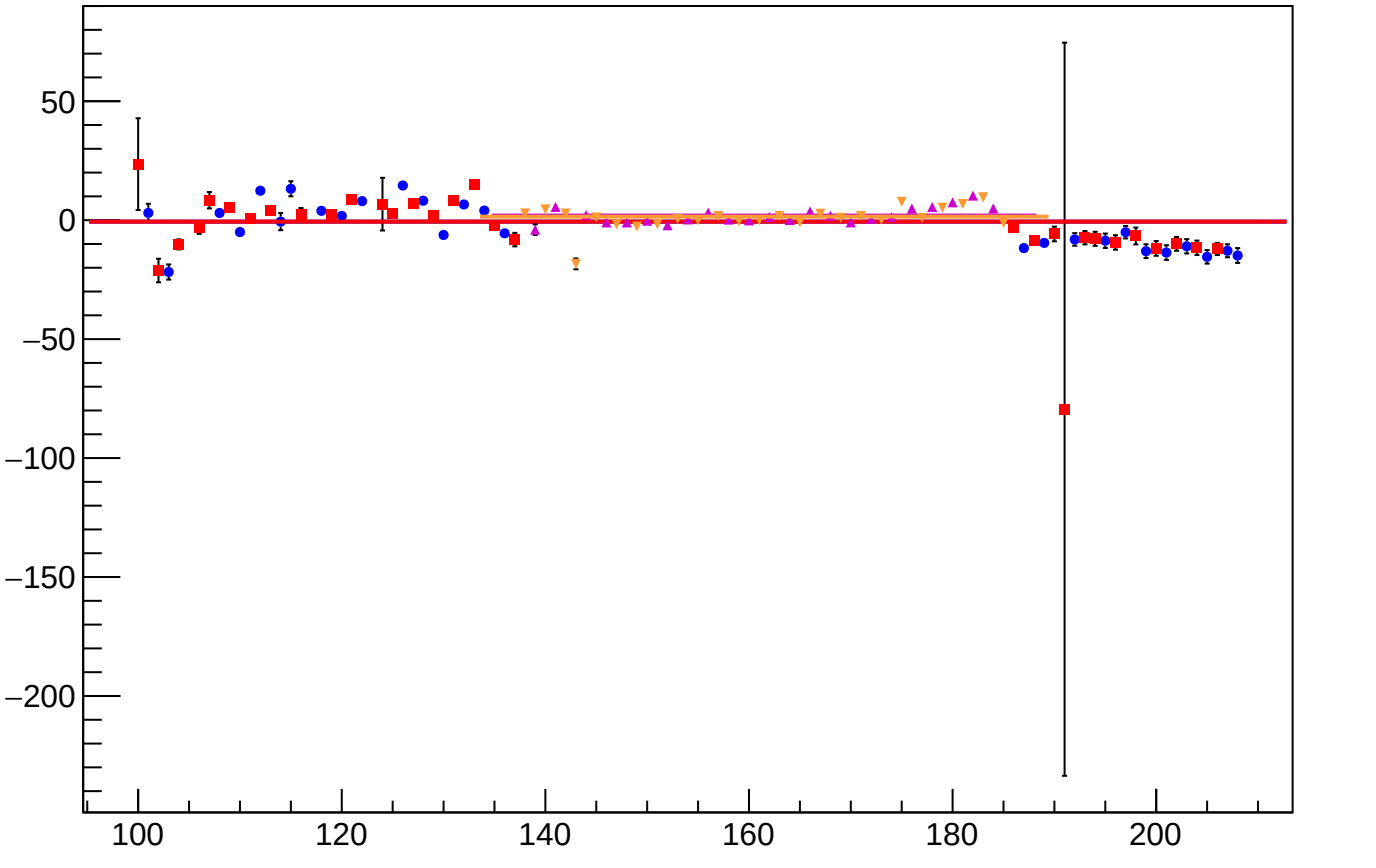
Right Out: 36.740+/-0.307 χ^2/NDF: 4710.6/30

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 12.313+/-0.210 χ^2/NDF: 14428.4/51

All: 13.278+/-0.146 χ^2/NDF: 30515.1/105

- sign 14.183+/-0.203 χ^2/NDF: 16045.8/53



Right In: -0.611+/-0.382 χ^2/NDF: 511.0/26

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

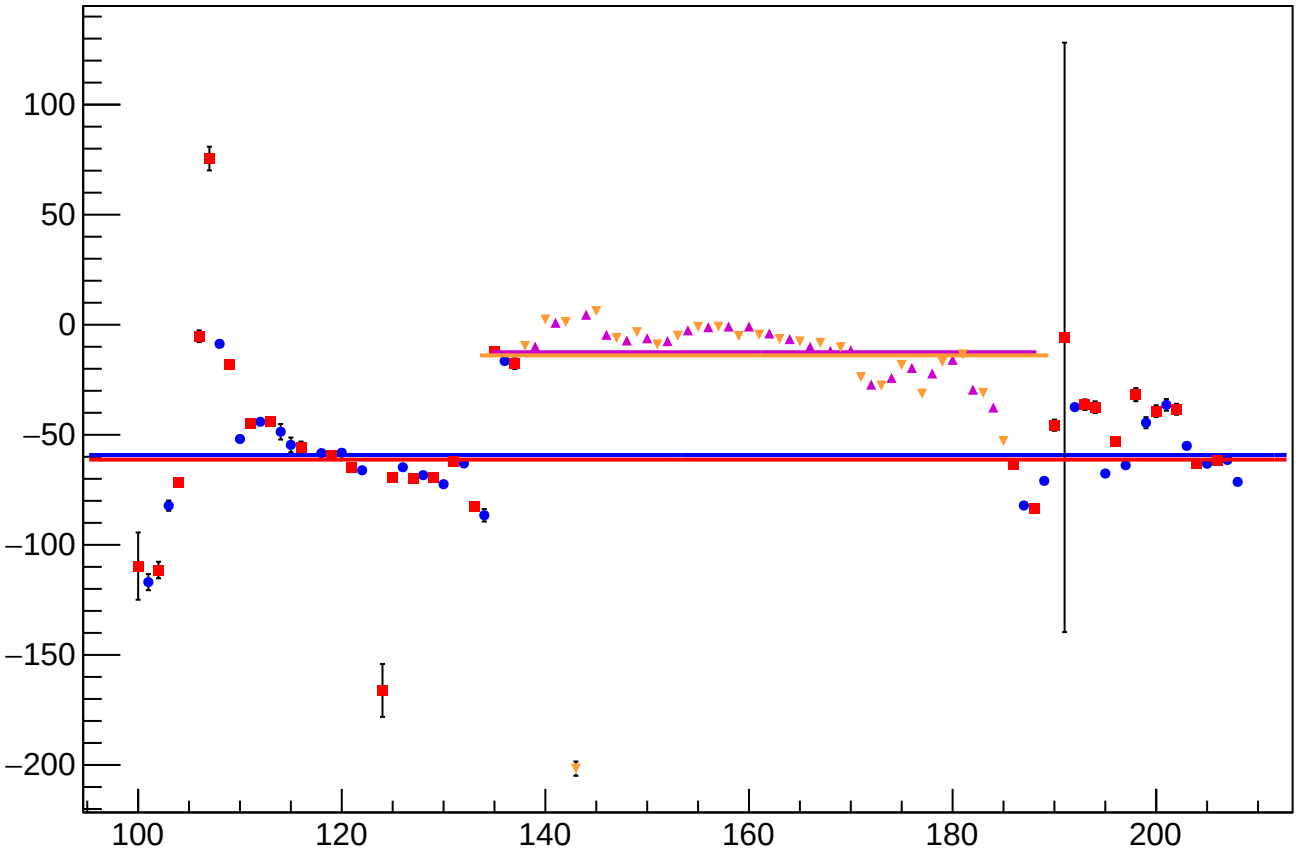
Right Out: -0.616+/-0.358 χ^2/NDF: 409.4/30

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.019+/-0.181 χ^2/NDF: 863.1/51

All: 1.148+/-0.128 χ^2/NDF: 1551.9/105

- sign 1.279+/-0.181 χ^2/NDF: 687.8/53



Right In: -59.166+/-0.352 χ^2/NDF: 3386.1/26

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

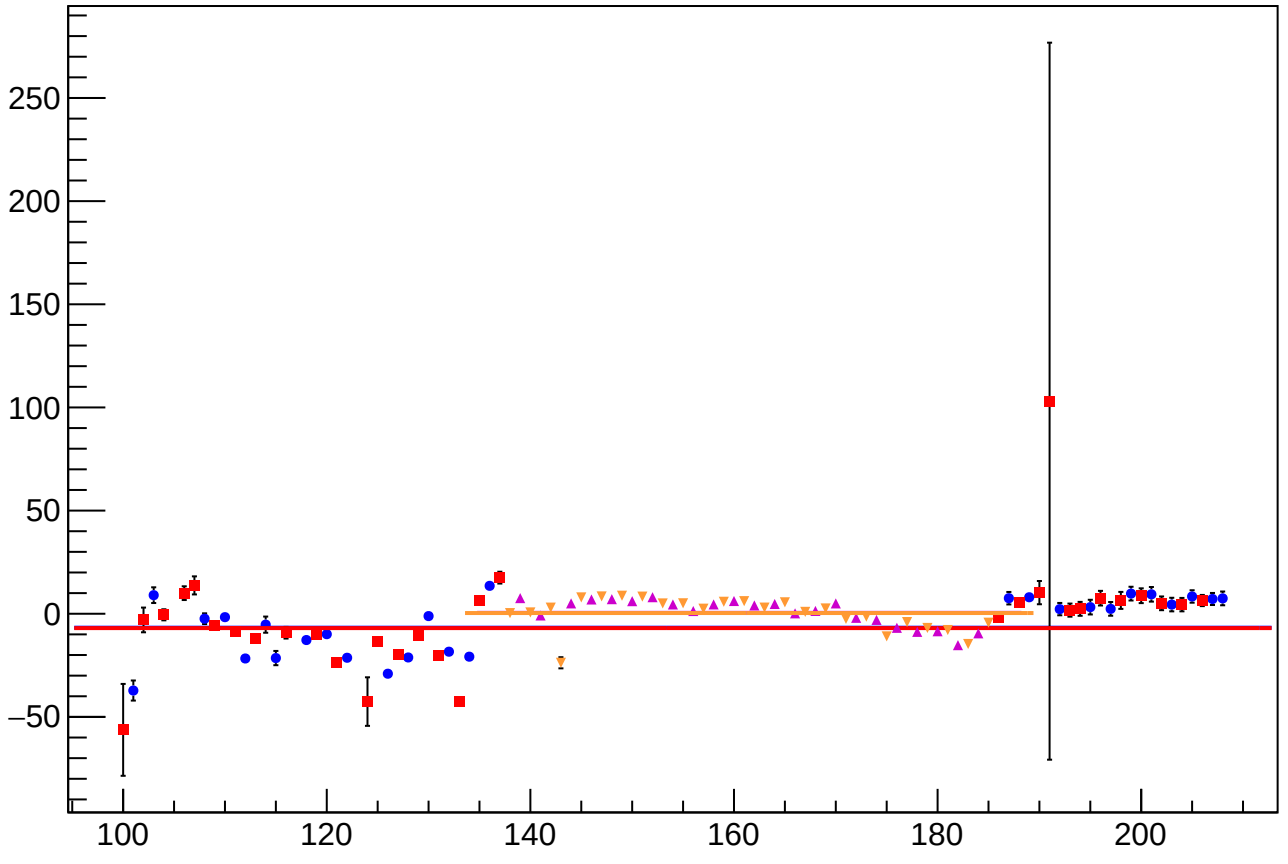
Right Out: -61.262+/-0.303 χ^2/NDF: 5464.0/30

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -30.227+/-0.212 χ^2/NDF: 19055.0/51

All: -32.204+/-0.146 χ^2/NDF: 40632.4/105

- sign -33.986+/-0.201 χ^2/NDF: 21411.5/53



Right In: -6.761+/-0.444 χ^2/NDF: 936.8/26

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

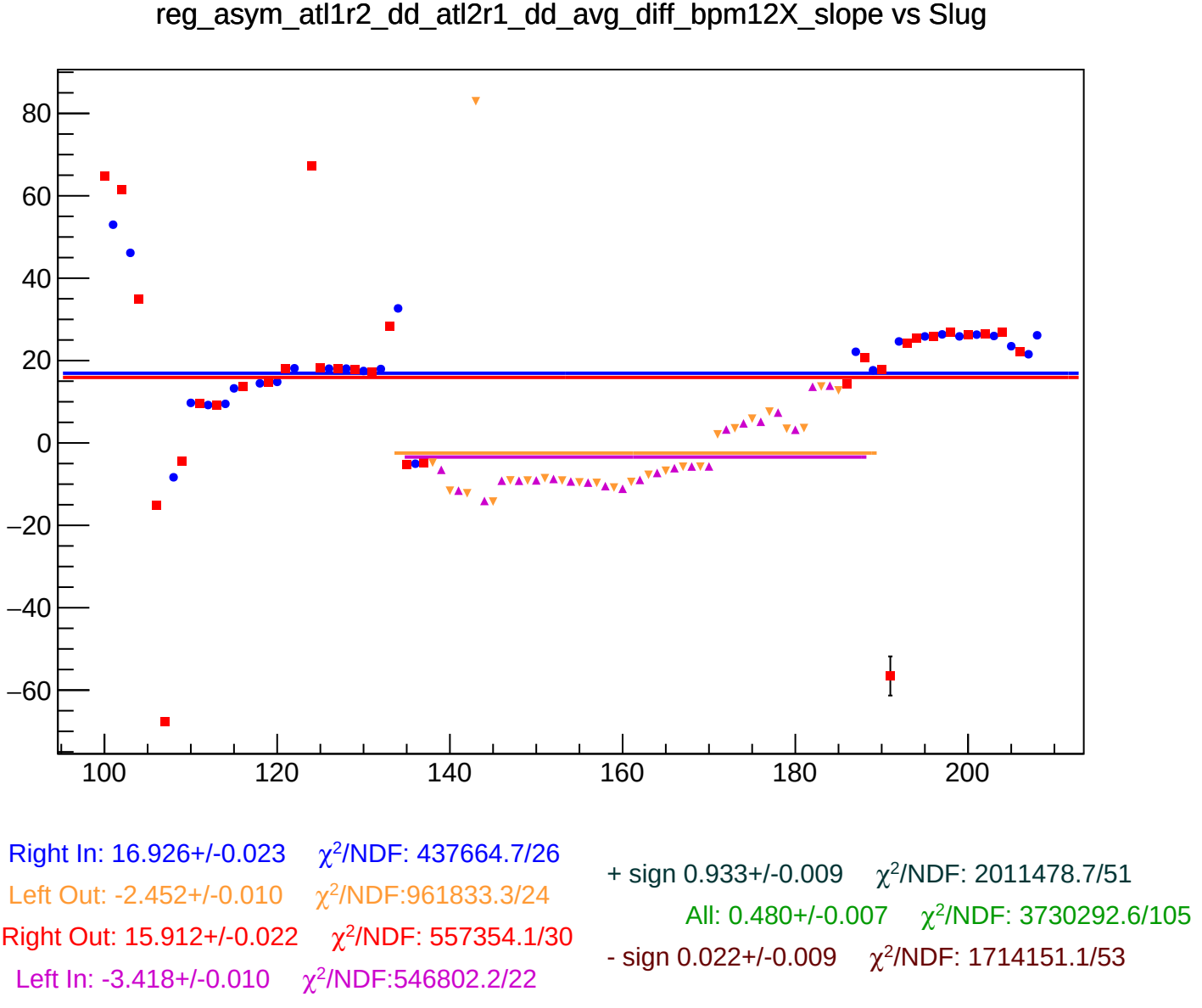
Right Out: -6.959+/-0.431 χ^2/NDF: 939.1/30

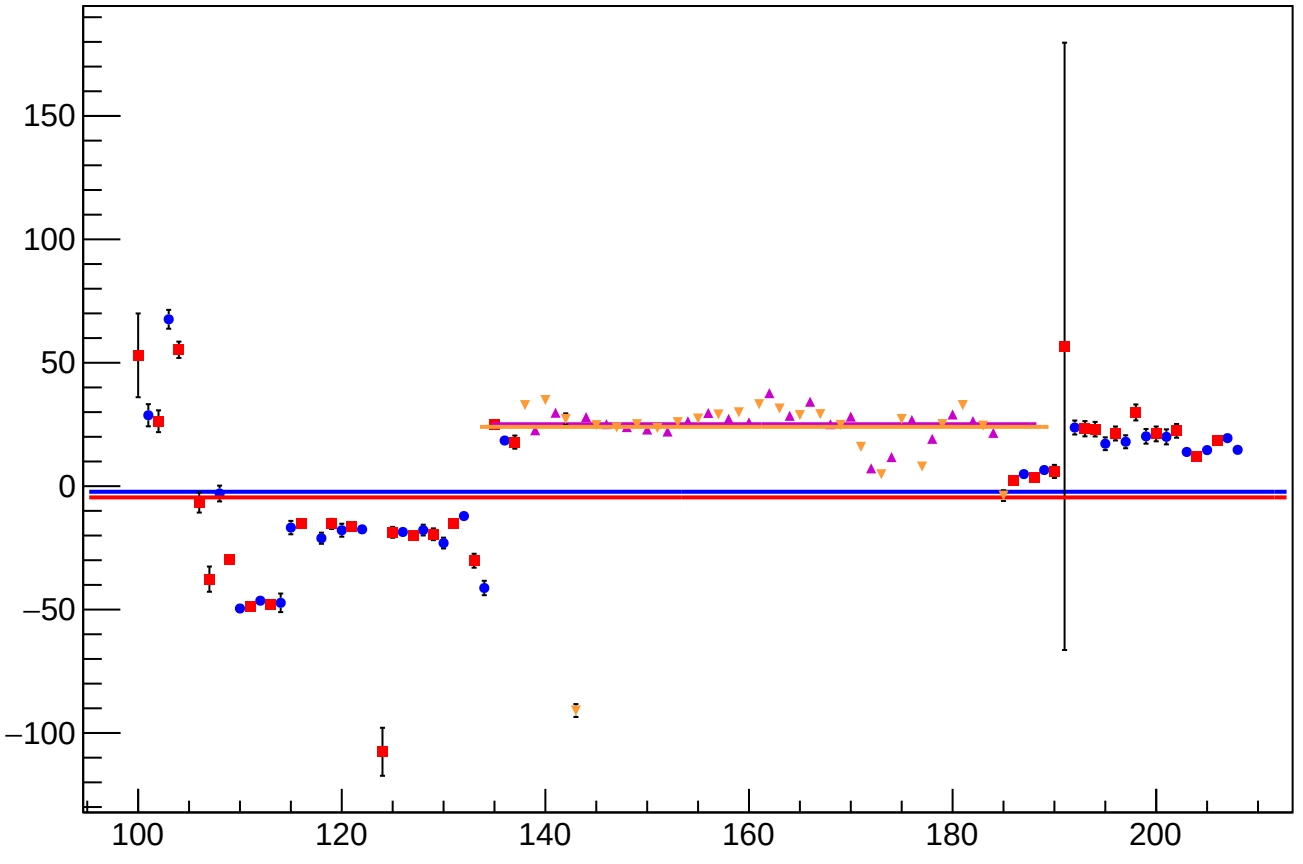
Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.172+/-0.205 χ^2/NDF: 2060.1/51

All: -1.225+/-0.146 χ^2/NDF: 4007.4/105

\- sign -1.279+/-0.207 χ^2/NDF: 1947.1/53


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
120
140
160
180
200
Right In: 16.926+/-0.023 χ²/NDF: 437664.7/26
Left Out: -2.452+/-0.010 χ²/NDF:961833.3/24
Right Out: 15.912+/-0.022 χ²/NDF: 557354.1/30
Left In: -3.418+/-0.010 χ²/NDF:546802.2/22
+ sign 0.933+/-0.009 χ²/NDF: 2011478.7/51
All: 0.480+/-0.007 χ²/NDF: 3730292.6/105
- sign 0.022+/-0.009 χ²/NDF: 1714151.1/53



Right In: -2.265+/-0.404 χ^2/NDF: 3559.9/26

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -4.552+/-0.387 χ^2/NDF: 3712.6/30

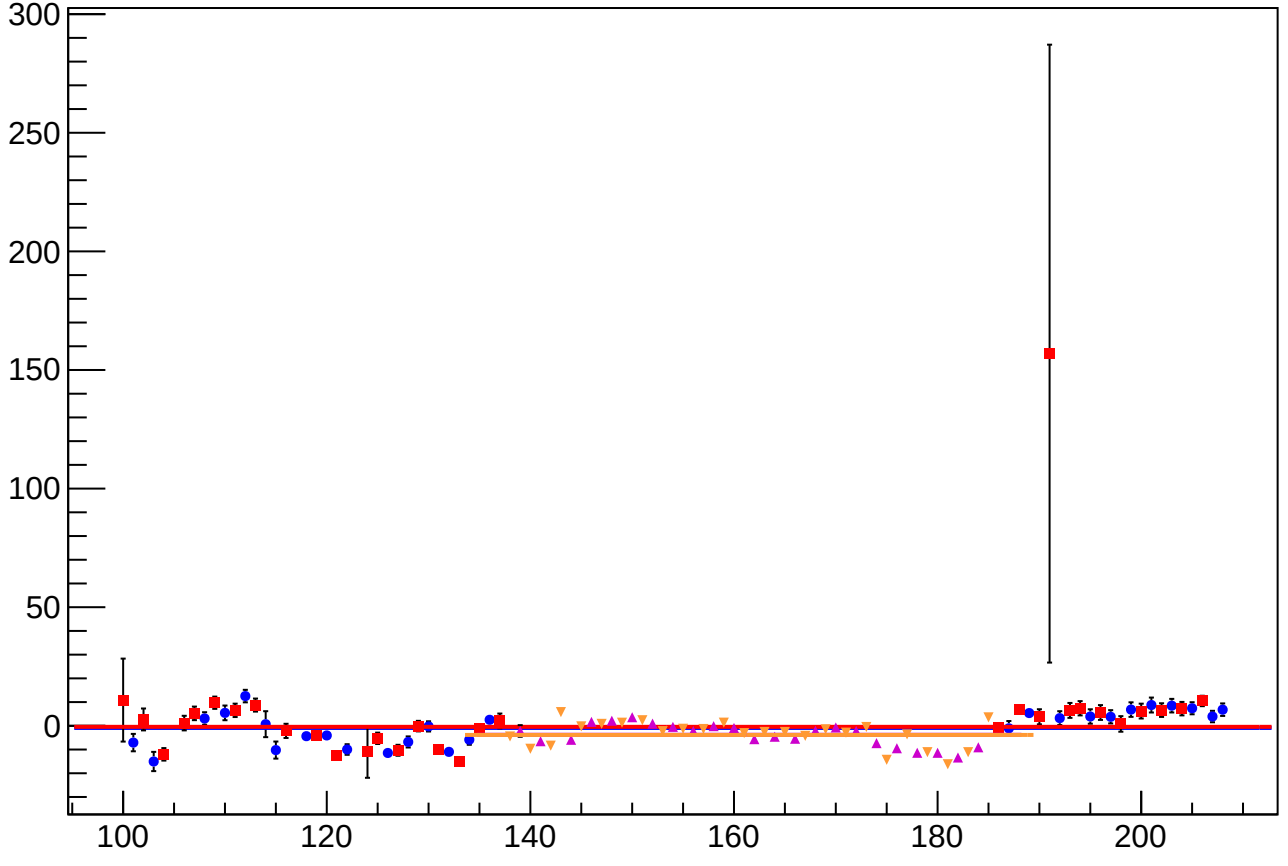
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.410+/-0.231 χ^2/NDF: 9209.7/51

All: 14.988+/-0.163 χ^2/NDF: 17204.6/105

- sign 14.568+/-0.231 χ^2/NDF: 7988.2/53

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -0.894+/-0.458 χ^2/NDF: 215.2/26

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

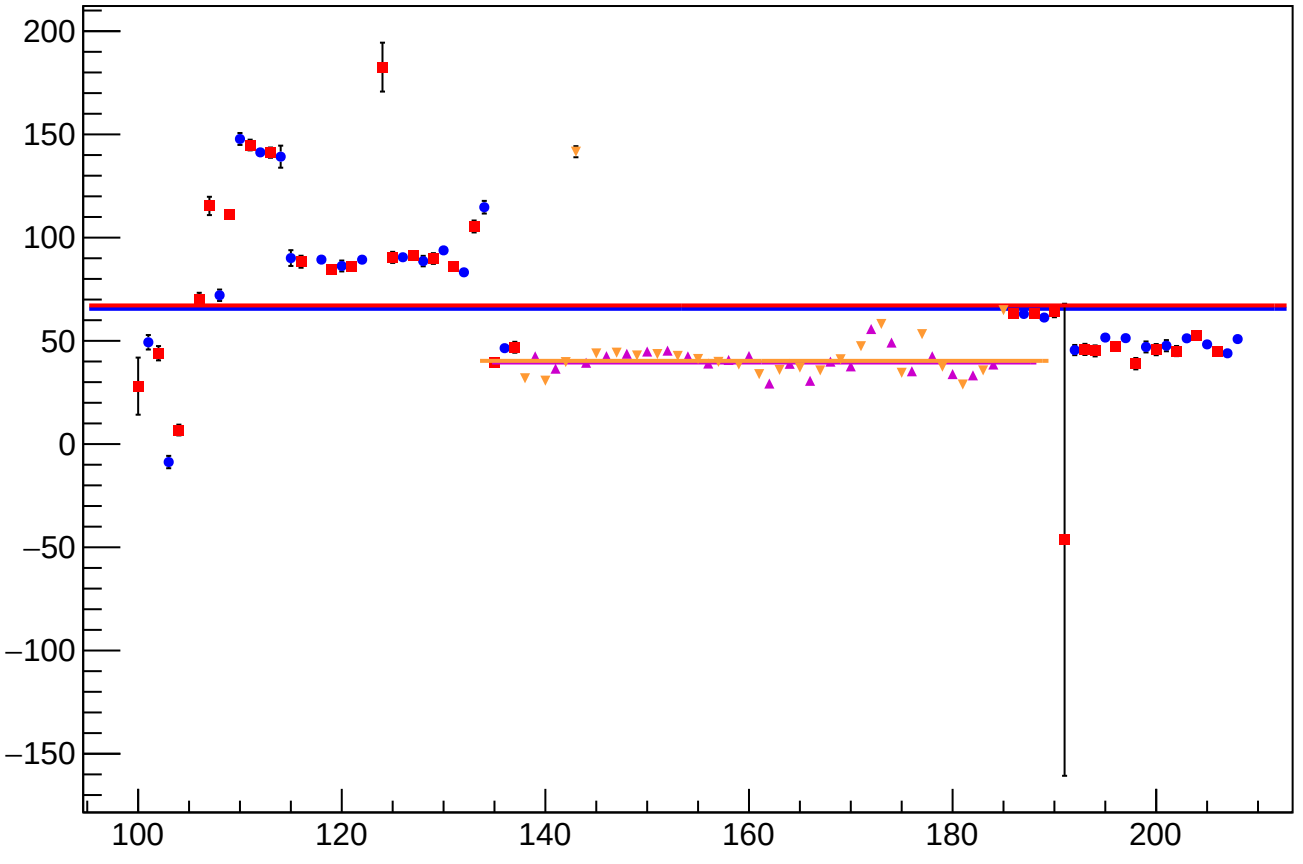
Right Out: -0.430+/-0.444 χ^2/NDF: 282.4/30

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.301+/-0.197 χ^2/NDF: 898.4/51

All: -3.203+/-0.140 χ^2/NDF: 1736.5/105

- sign -3.103+/-0.200 χ^2/NDF: 837.6/53



Right In: 65.520+/-0.413 χ^2/NDF: 4603.8/26

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

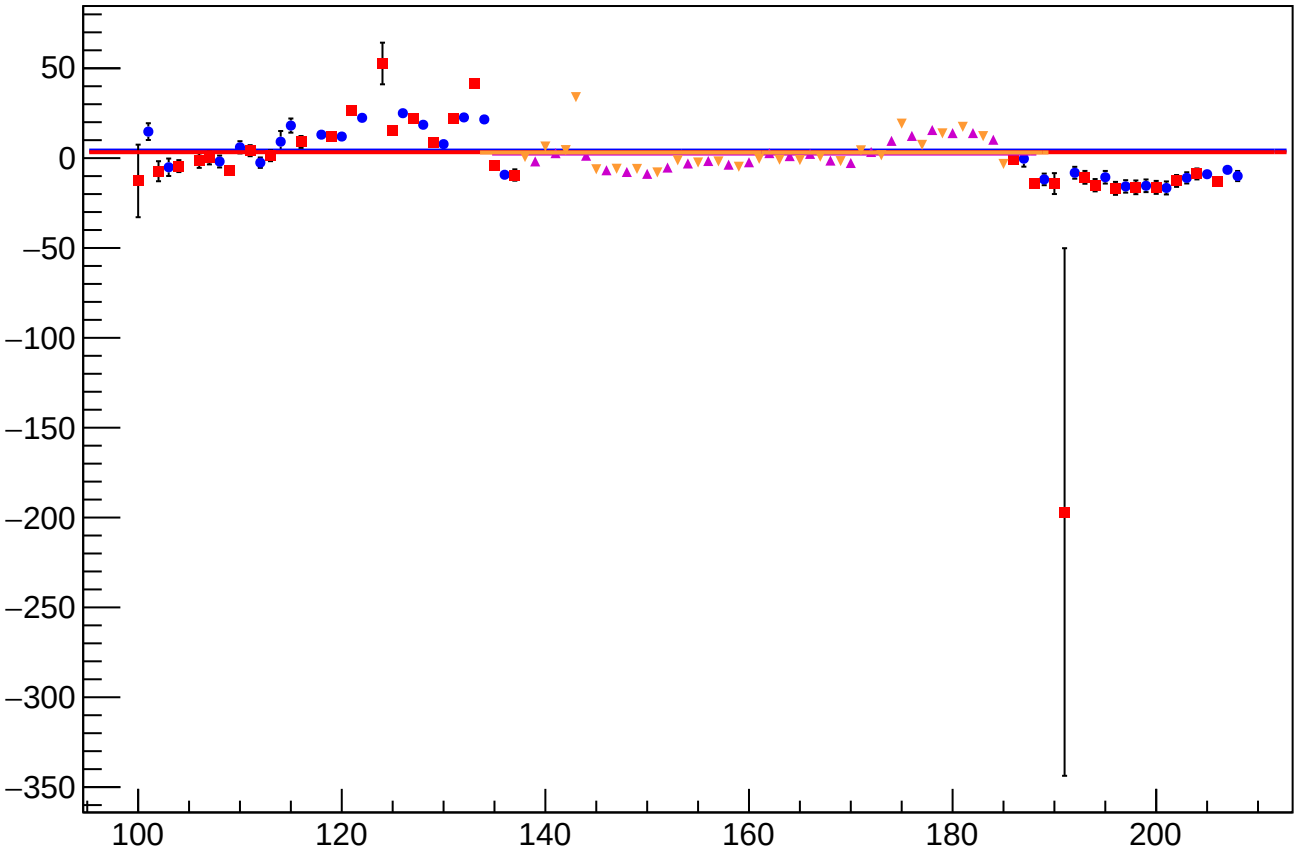
Right Out: 67.150+/-0.383 χ^2/NDF: 4748.8/30

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 48.252+/-0.232 χ^2/NDF: 9335.6/51

All: 48.799+/-0.163 χ^2/NDF: 17878.4/105

\- sign 49.330+/-0.229 χ^2/NDF: 8531.9/53



Right In: 4.209+/-0.525 χ^2/NDF: 701.1/26

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

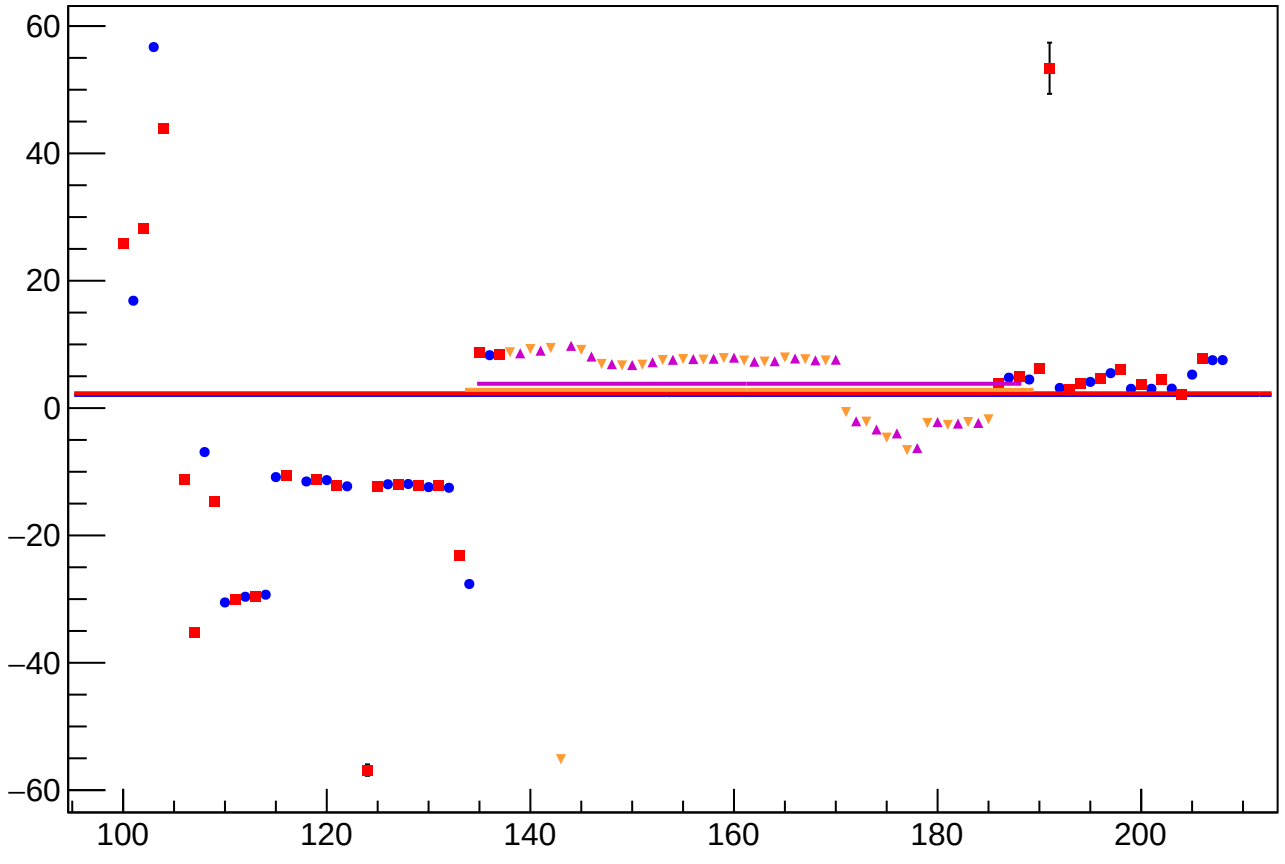
Right Out: 3.302+/-0.525 χ^2/NDF: 892.1/30

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.333+/-0.222 χ^2/NDF: 1971.5/51

All: 3.005+/-0.159 χ^2/NDF: 3838.0/105

- sign 2.665+/-0.226 χ^2/NDF: 1862.1/53



Right In: 2.068+/-0.025 χ^2/NDF: 382350.7/26

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.330+/-0.025 χ^2/NDF: 330192.9/30

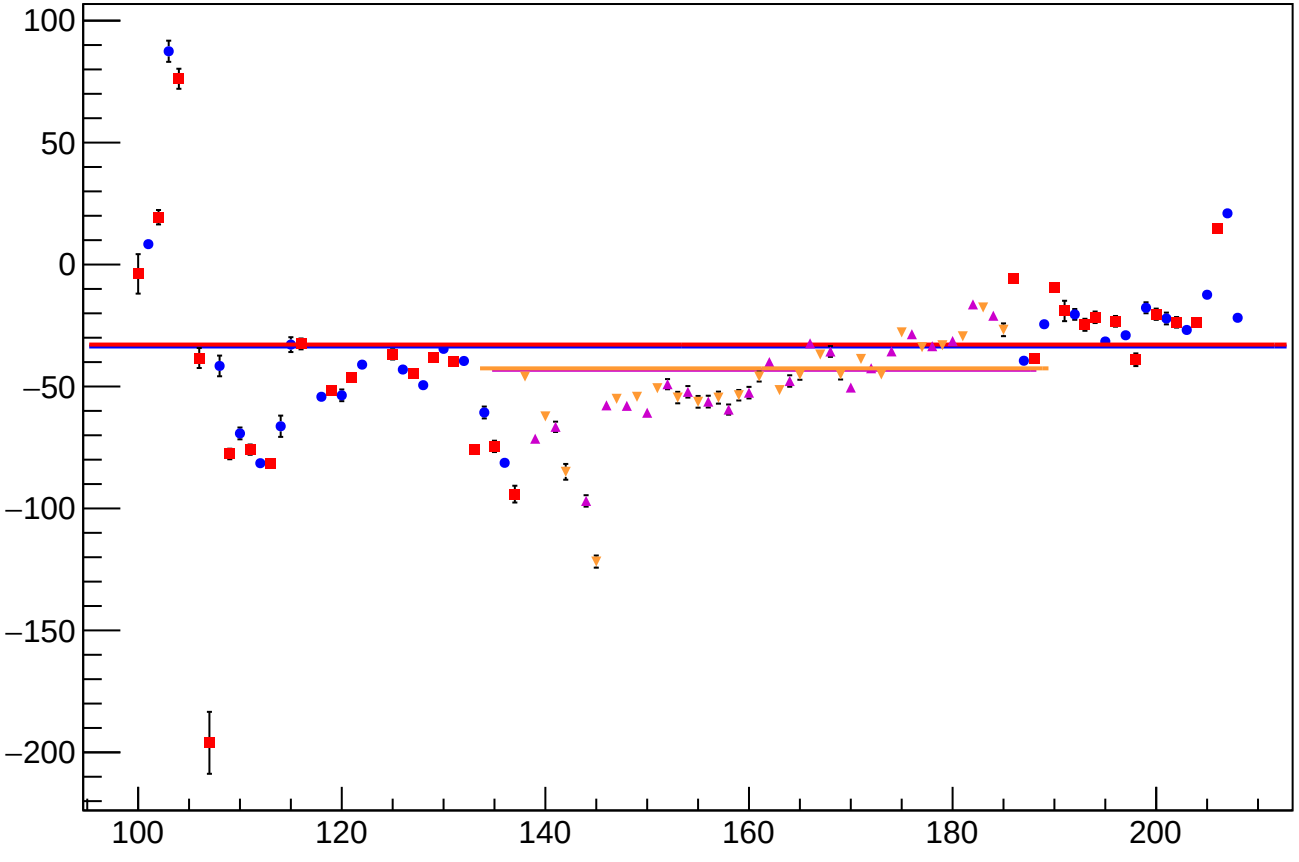
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.739+/-0.010 χ^2/NDF: 895552.2/51

All: 3.155+/-0.007 χ^2/NDF: 1465410.3/105

- sign 3.580+/-0.010 χ^2/NDF: 566392.1/53

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -33.598+/-0.373 χ^2/NDF: 4999.5/26

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -32.803+/-0.345 χ^2/NDF: 6230.5/29

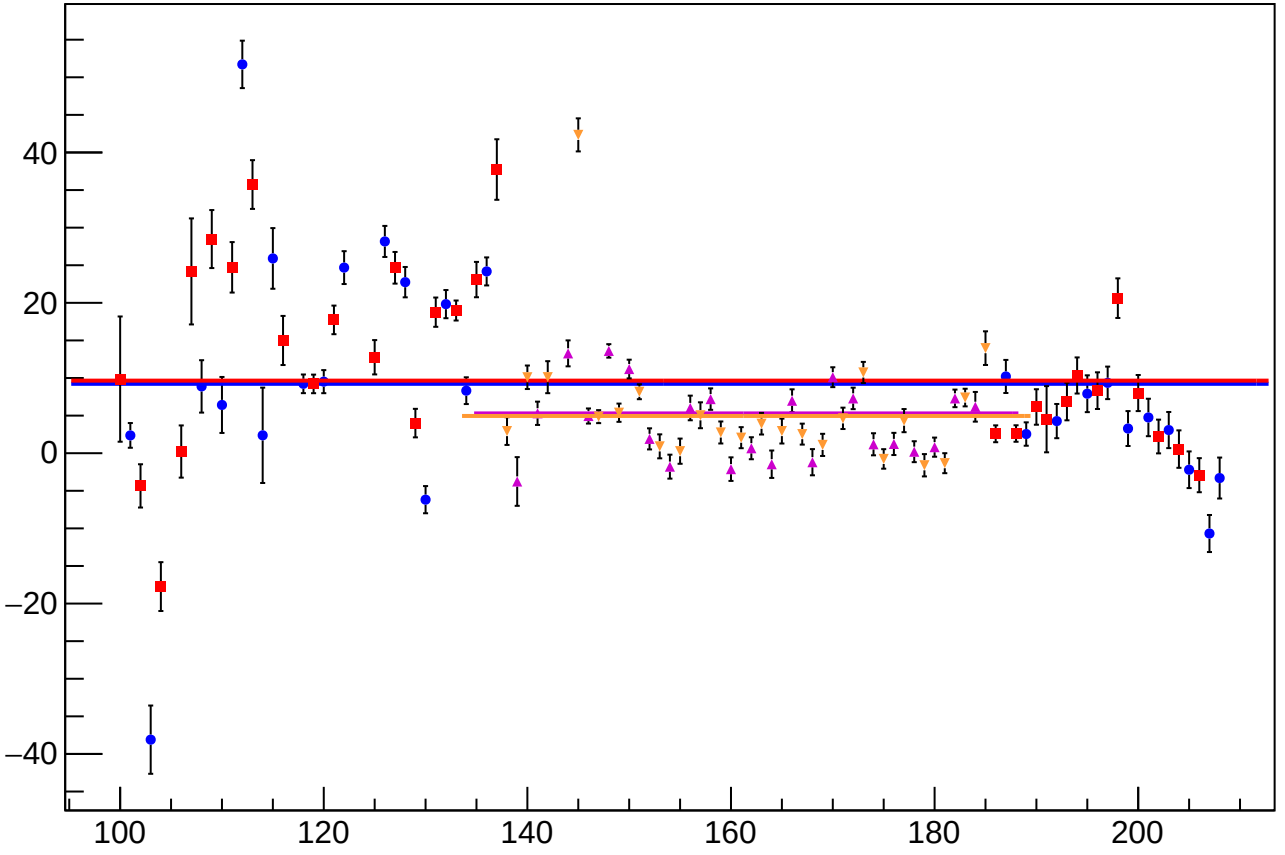
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

\+ sign -38.014+/-0.266 χ^2/NDF: 7610.7/50

All: -37.722+/-0.184 χ^2/NDF: 16455.4/103

\- sign -37.451+/-0.256 χ^2/NDF: 8842.5/52

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 9.230+/-0.412 χ^2/NDF: 822.9/26

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 9.652+/-0.389 χ^2/NDF: 608.8/29

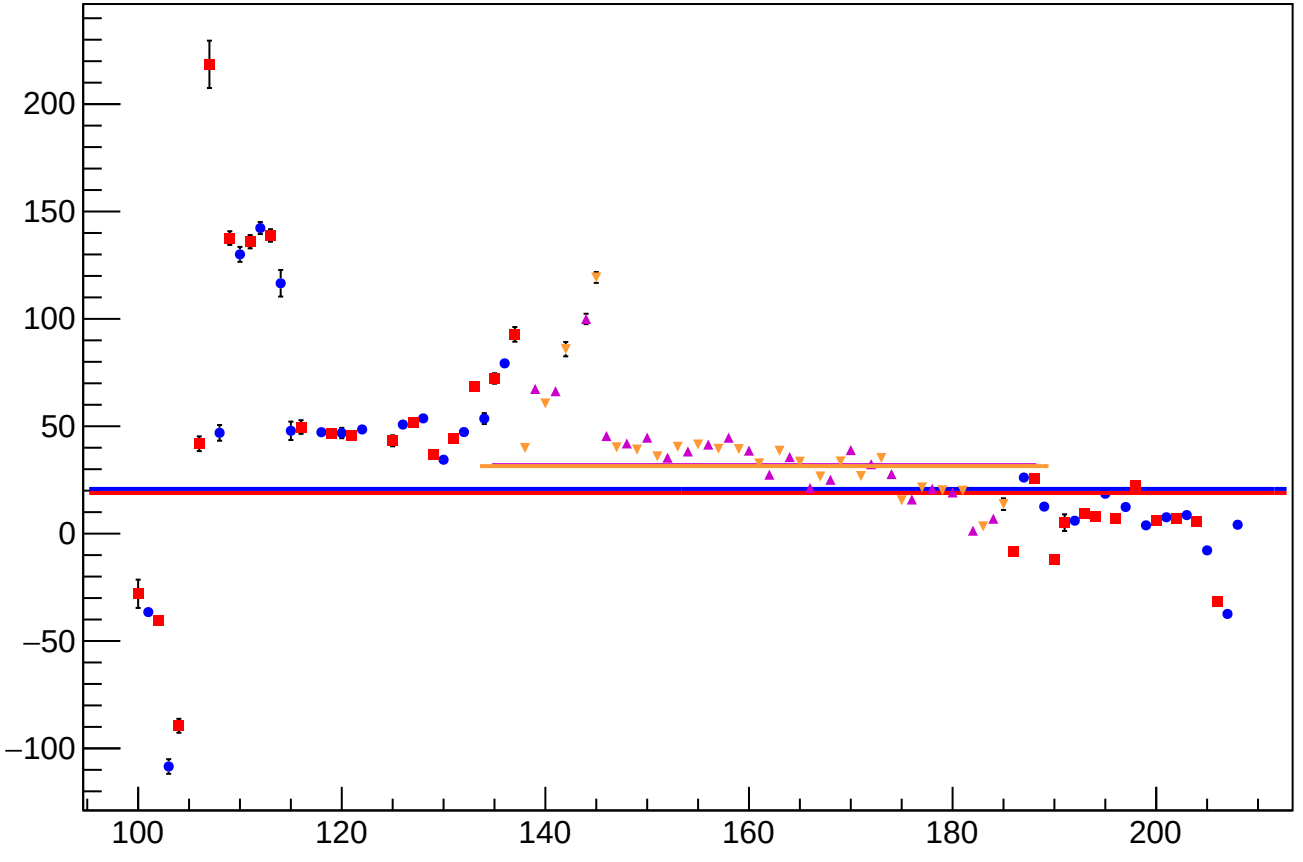
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.362+/-0.236 χ^2/NDF: 1344.3/50

All: 6.622+/-0.167 χ^2/NDF: 2321.8/103

- sign 6.879+/-0.235 χ^2/NDF: 975.1/52

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 20.819+/-0.366 χ^2/NDF: 10703.0/26

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

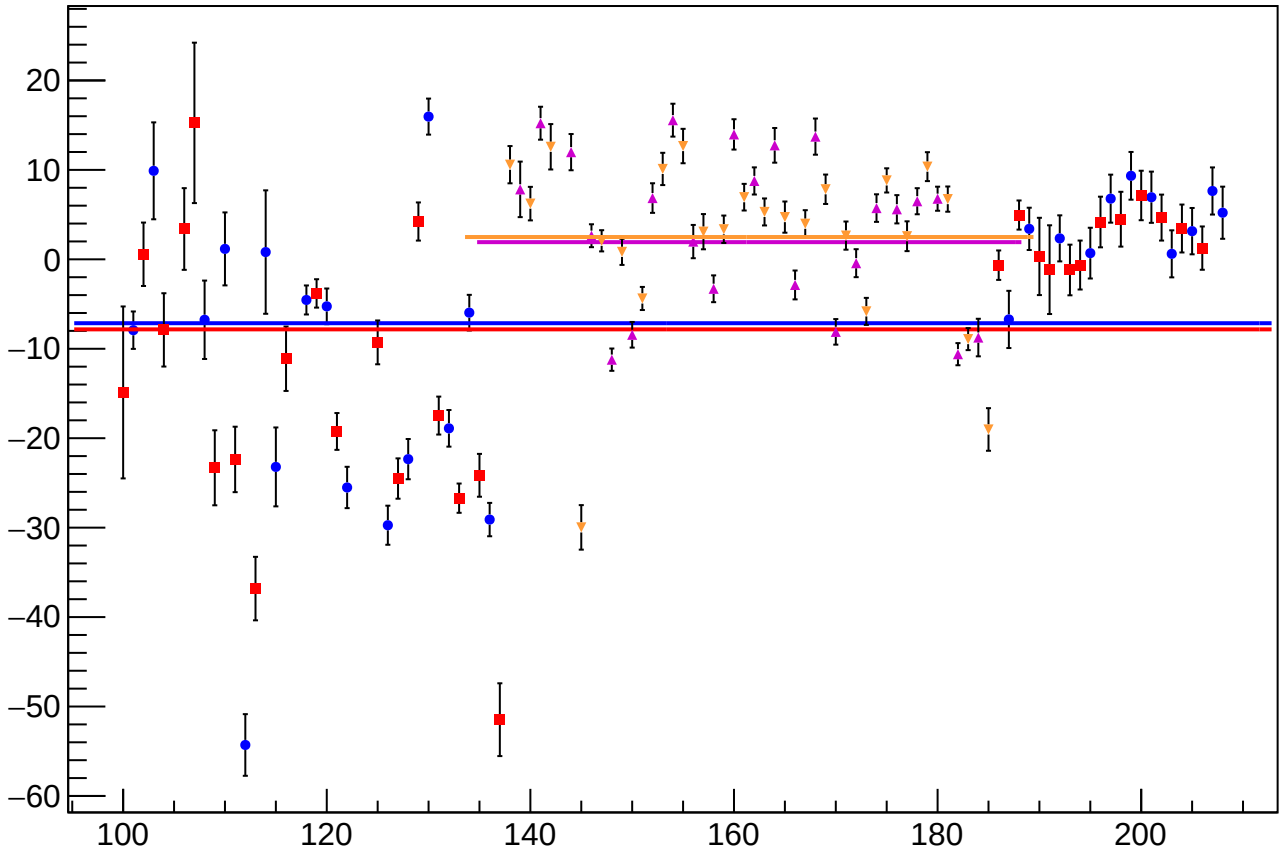
Right Out: 18.936+/-0.322 χ^2/NDF: 12566.4/29

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

\+ sign 25.998+/-0.262 χ^2/NDF: 13874.7/50

All: 25.140+/-0.179 χ^2/NDF: 29908.9/103

\- sign 24.389+/-0.245 χ^2/NDF: 16014.1/52



Right In: -7.143+/-0.483 χ^2/NDF: 942.5/26

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -7.831+/-0.473 χ^2/NDF: 772.3/29

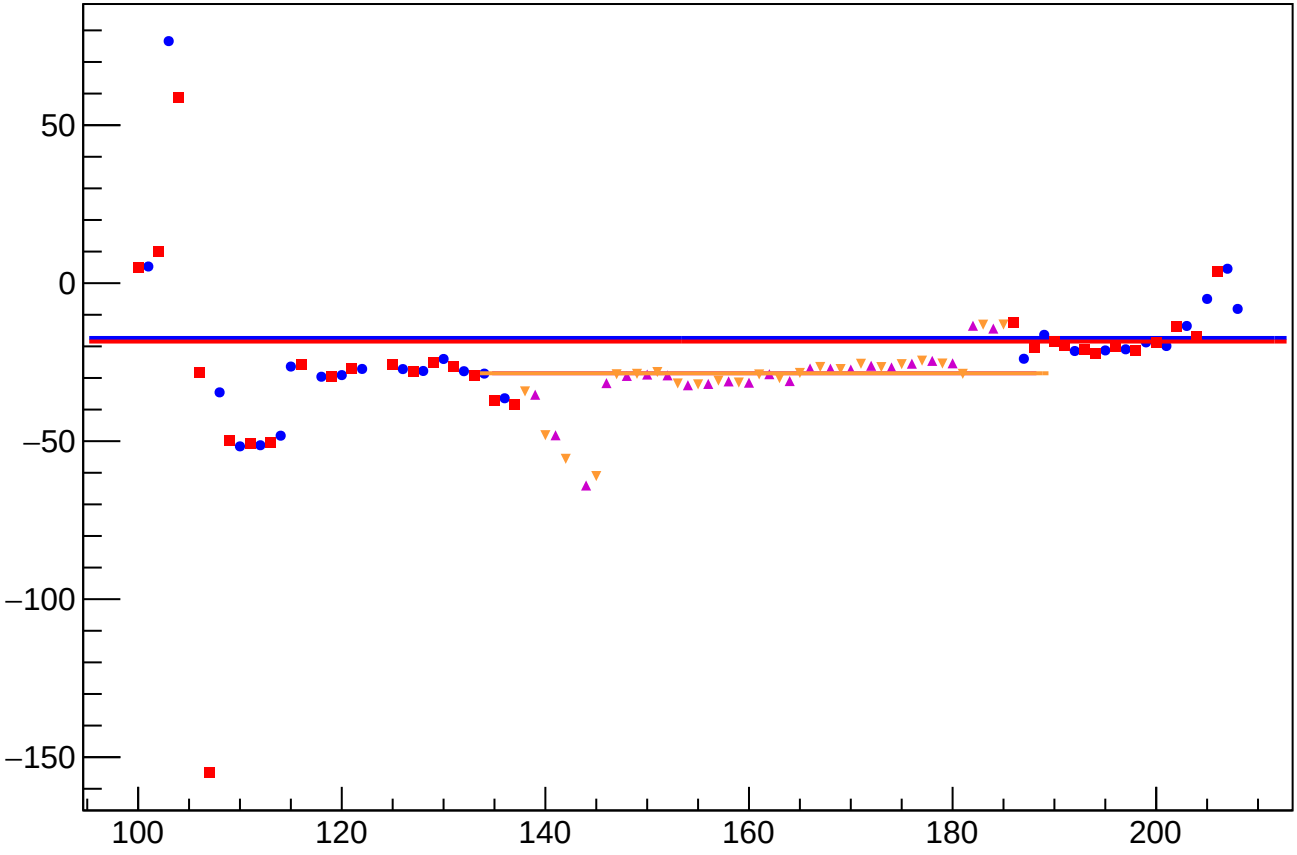
Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

+ sign -0.532+/-0.271 χ^2/NDF: 1774.4/50

All: -0.913+/-0.192 χ^2/NDF: 3514.2/103

- sign -1.296+/-0.272 χ^2/NDF: 1735.8/52

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -17.342+/-0.022 χ^2/NDF: 726504.4/26

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -18.473+/-0.022 χ^2/NDF: 623150.6/29

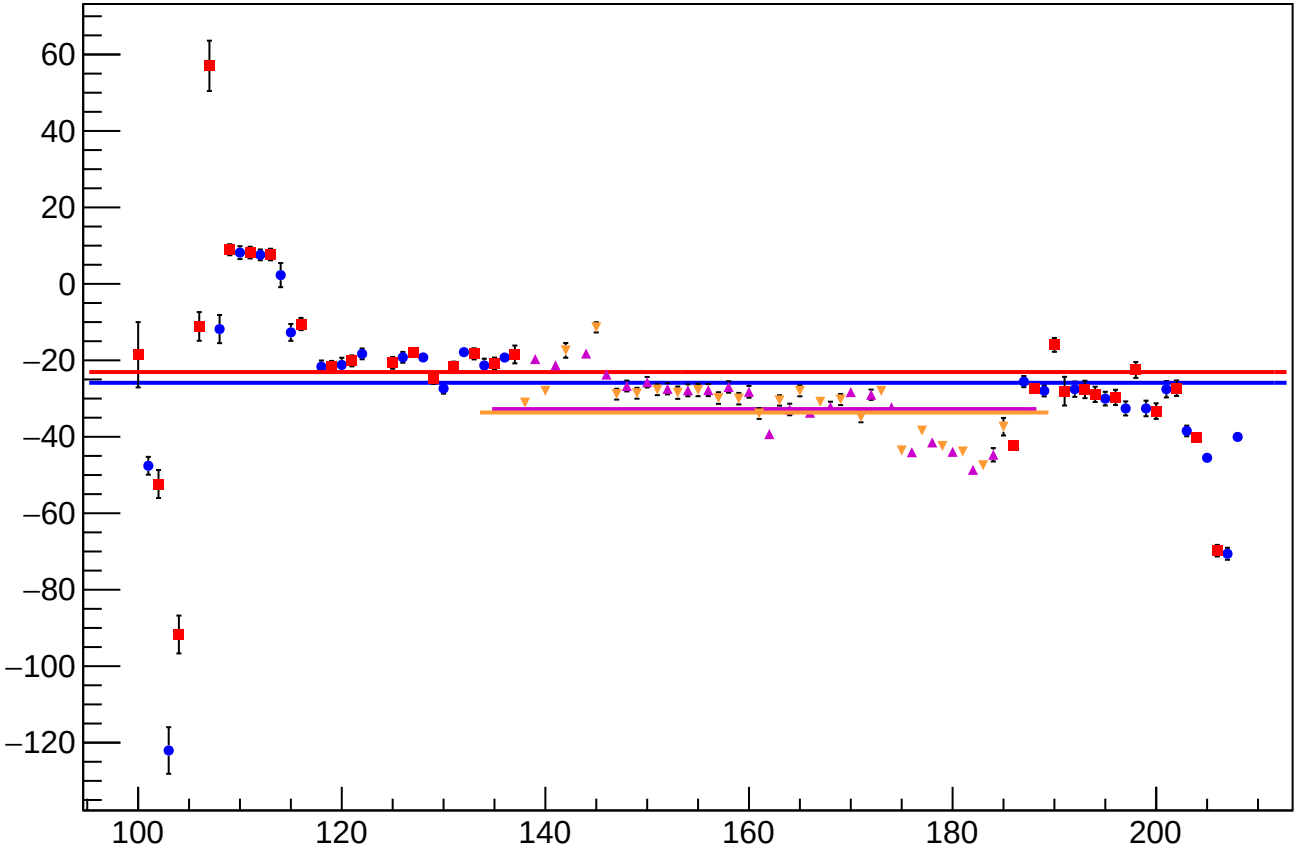
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

\+ sign -25.149+/-0.012 χ^2/NDF: 1232640.0/50

All: -25.263+/-0.009 χ^2/NDF: 2286292.8/103

\- sign -25.375+/-0.012 χ^2/NDF: 1053484.4/52

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -25.874+/-0.306 χ^2/NDF: 2953.2/26

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -23.065+/-0.303 χ^2/NDF: 3303.1/29

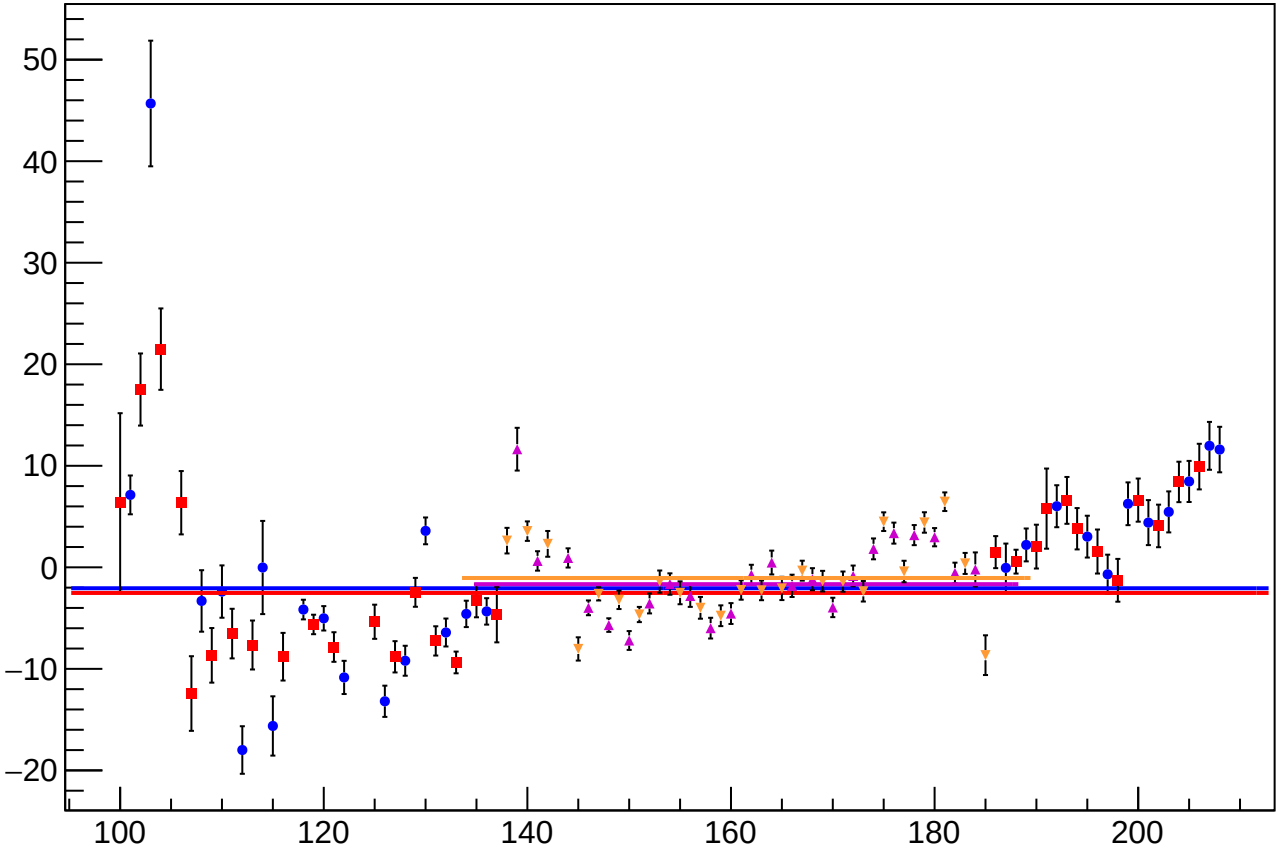
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

\+ sign -30.310+/-0.200 χ^2/NDF: 4337.5/50

All: -29.400+/-0.142 χ^2/NDF: 9398.0/103

\- sign -28.486+/-0.201 χ^2/NDF: 5019.2/52

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.061+/-0.337 χ^2/NDF: 468.6/26

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -2.524+/-0.336 χ^2/NDF: 340.3/29

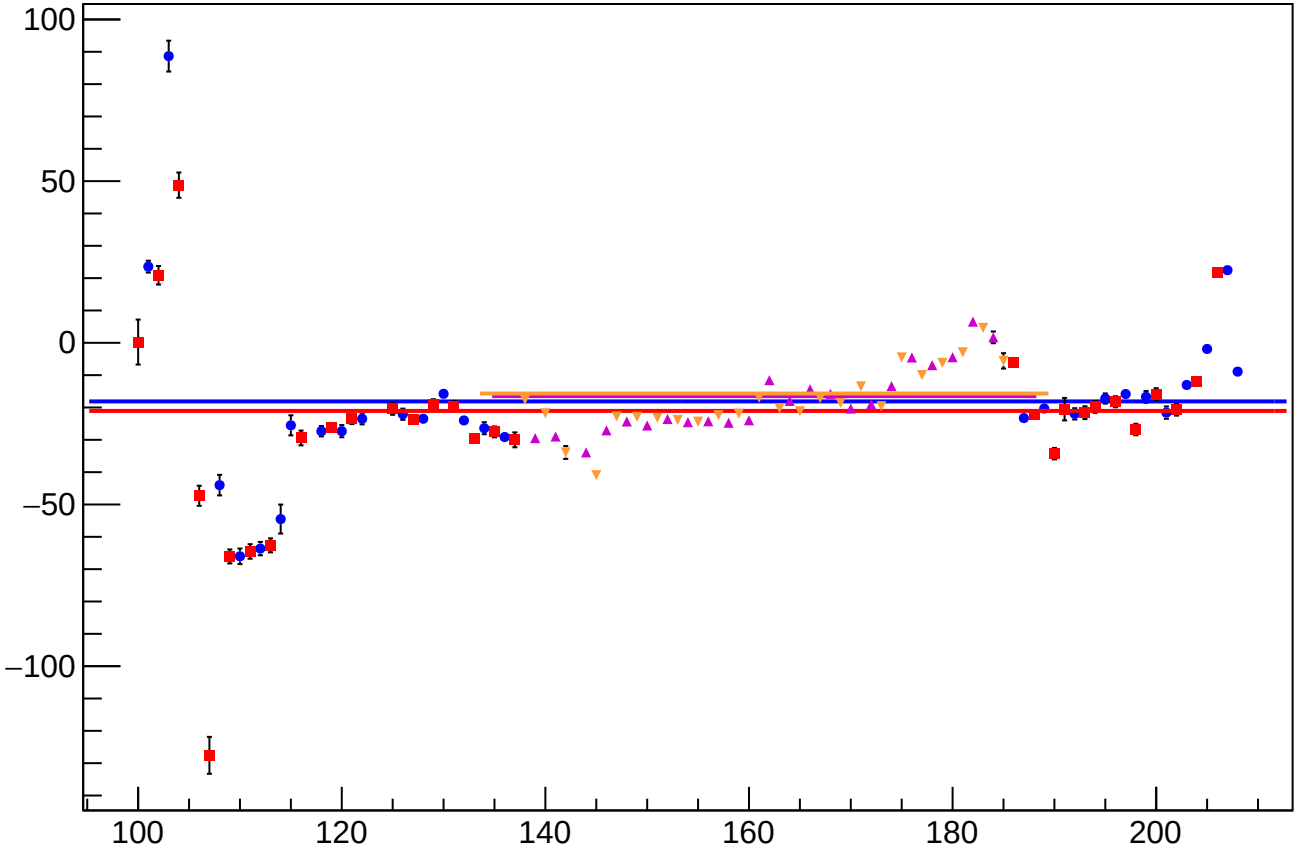
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.319+/-0.174 χ^2/NDF: 764.7/50

All: -1.604+/-0.124 χ^2/NDF: 1379.6/103

- sign -1.896+/-0.176 χ^2/NDF: 609.5/52

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -18.121+/-0.314 χ^2/NDF: 3259.7/26

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -21.059+/-0.303 χ^2/NDF: 3454.6/29

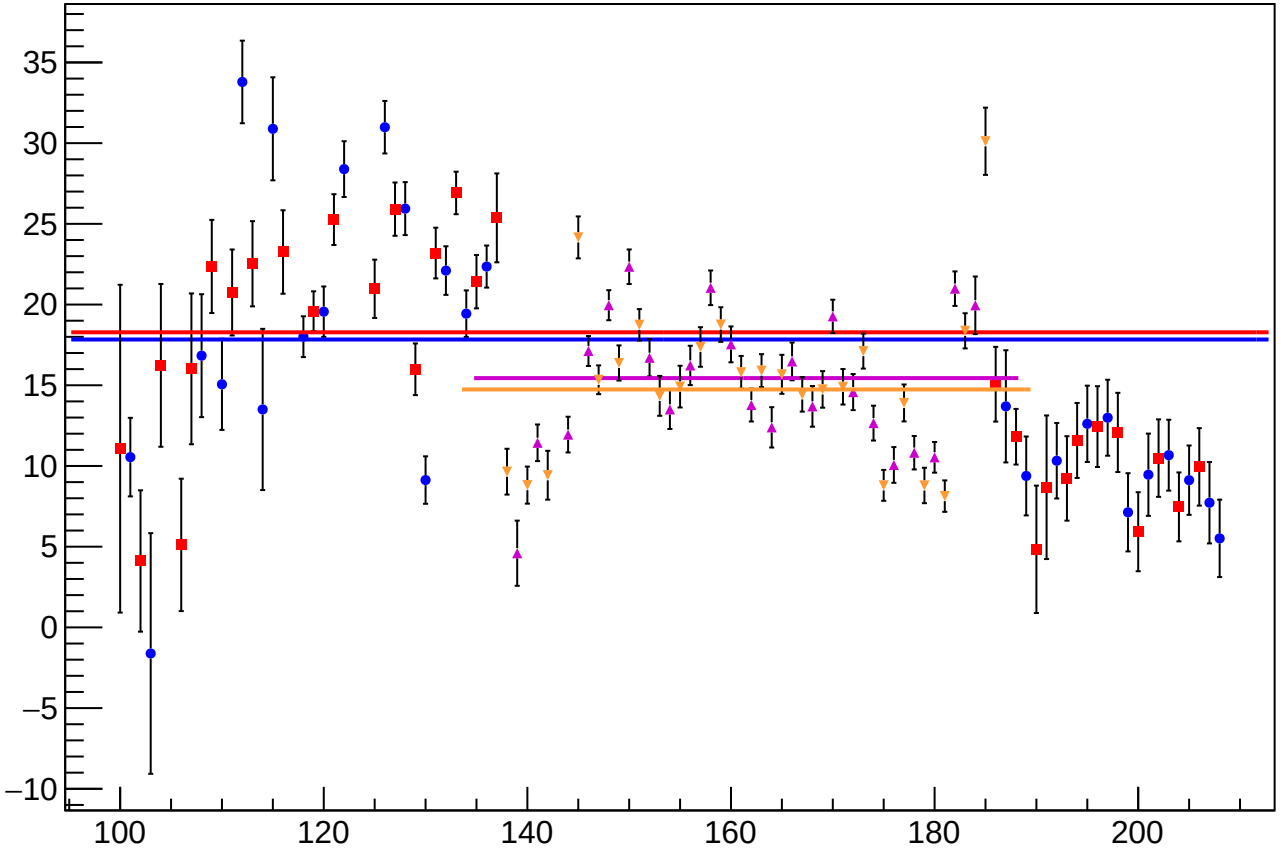
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

\+ sign -16.682+/-0.202 χ^2/NDF: 4816.2/50

All: -17.587+/-0.142 χ^2/NDF: 10137.5/103

\- sign -18.474+/-0.200 χ^2/NDF: 5281.5/52

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 17.836+/-0.388 χ^2/NDF: 390.6/26

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 18.282+/-0.395 χ^2/NDF: 278.5/29

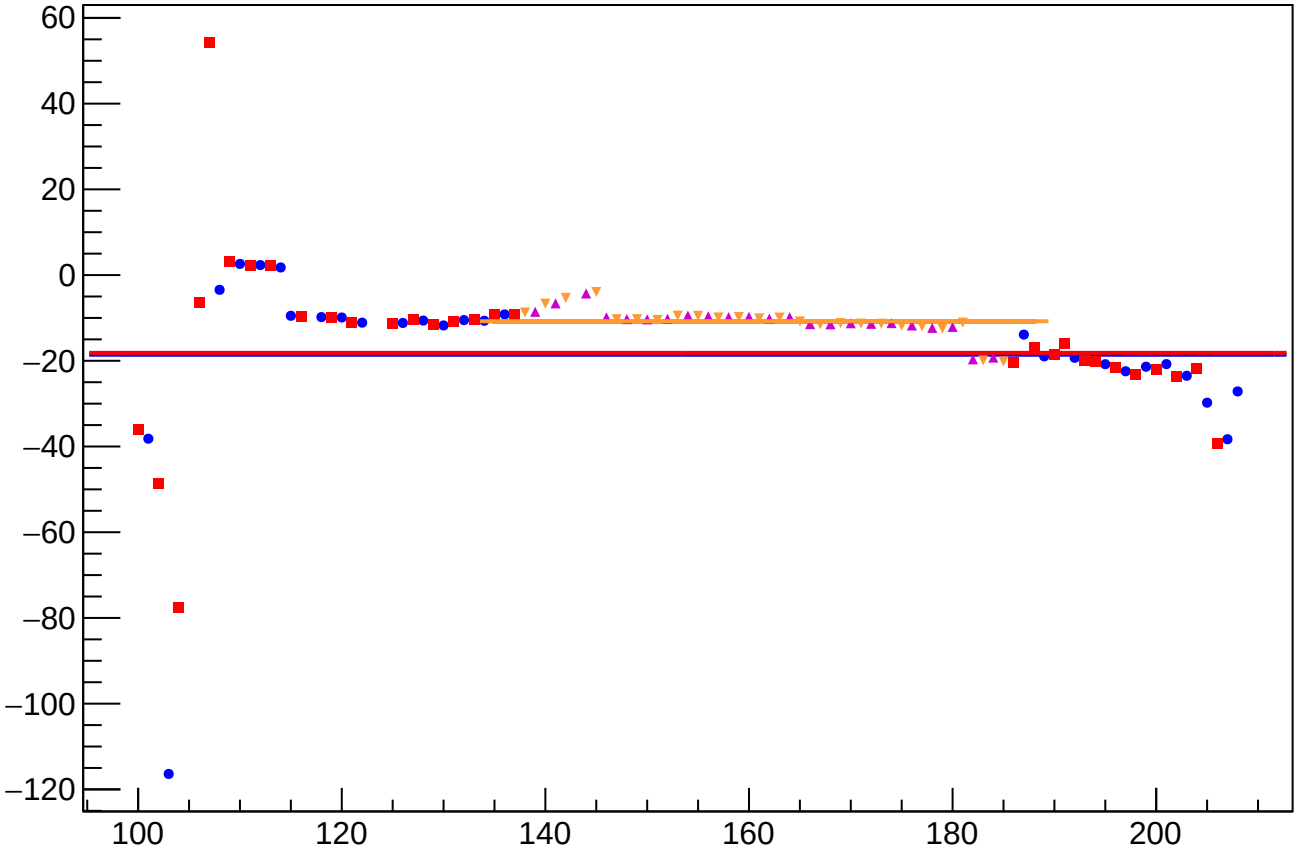
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.542+/-0.197 χ^2/NDF: 768.8/50

All: 15.854+/-0.141 χ^2/NDF: 1380.9/103

- sign 16.176+/-0.201 χ^2/NDF: 607.1/52

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -18.589+/-0.019 χ^2/NDF: 453748.9/26

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -18.148+/-0.019 χ^2/NDF: 432290.4/29

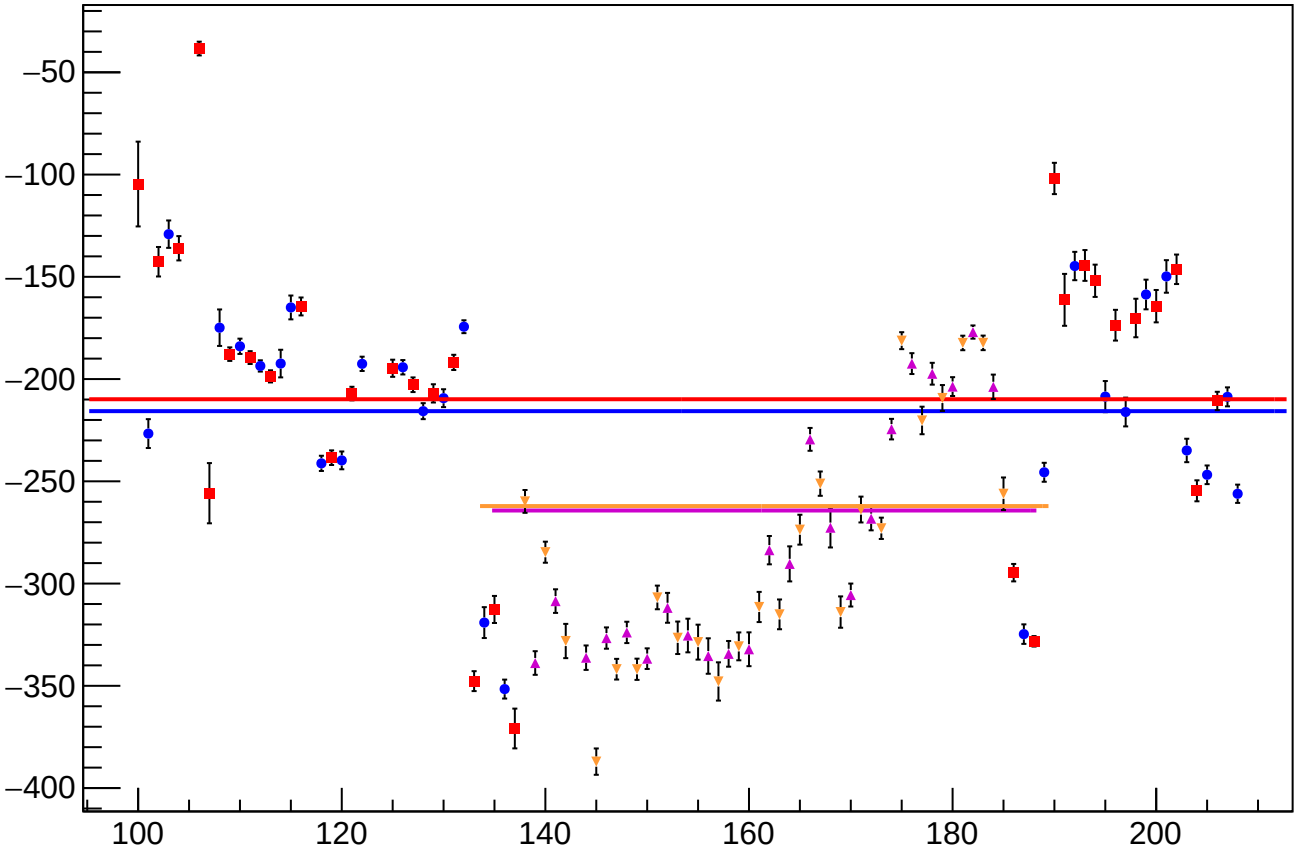
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -12.543+/-0.009 χ^2/NDF: 668794.9/50

All: -12.510+/-0.006 χ^2/NDF: 1288230.2/103

- sign -12.477+/-0.009 χ^2/NDF: 619409.3/52

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -215.687+/-0.899 χ^2/NDF: 2736.5/26

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -209.865+/-0.839 χ^2/NDF: 7620.0/29

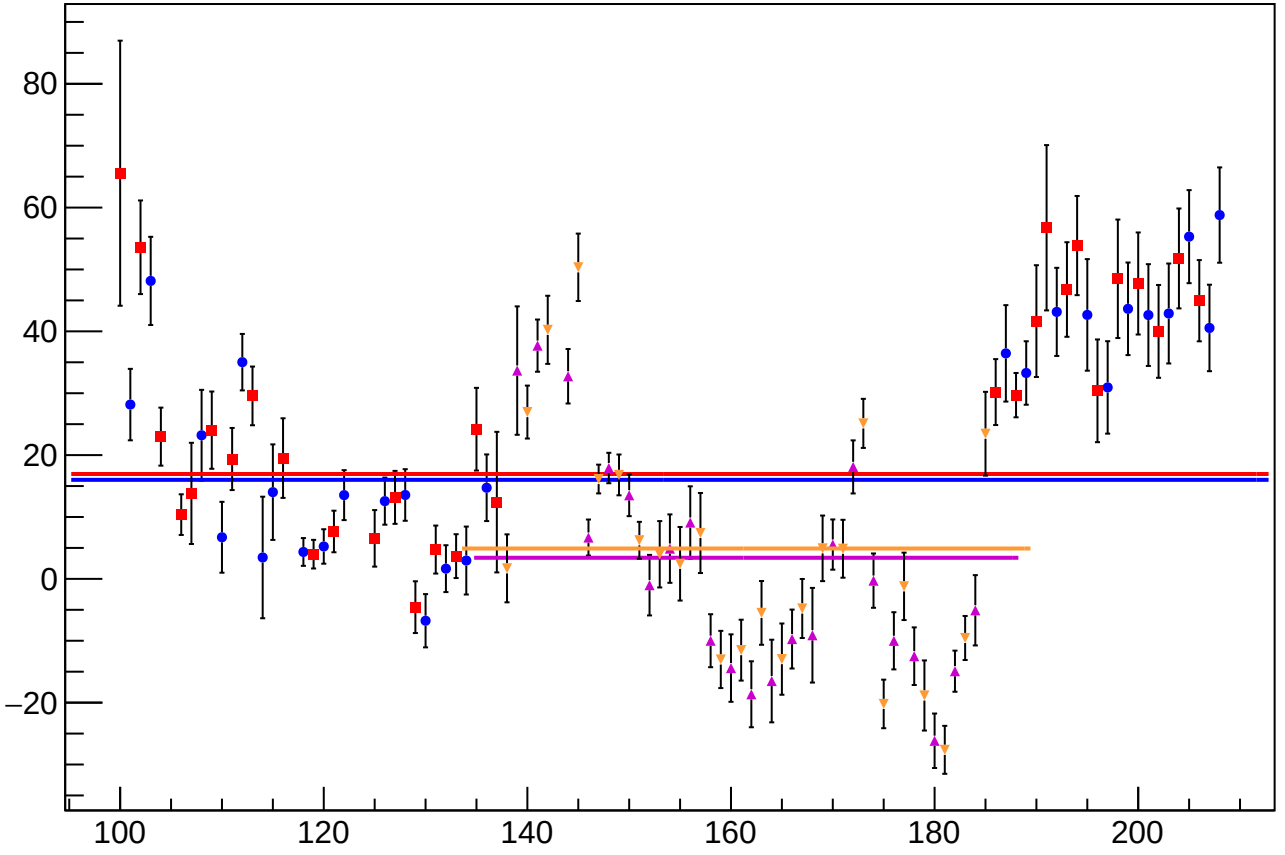
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

\+ sign -232.746+/-0.715 χ^2/NDF: 6681.2/50

All: -230.288+/-0.495 χ^2/NDF: 18468.5/103

\- sign -228.030+/-0.685 χ^2/NDF: 11764.6/52

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 16.003+/-0.959 χ^2/NDF: 290.2/26

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 16.948+/-0.921 χ^2/NDF: 285.2/29

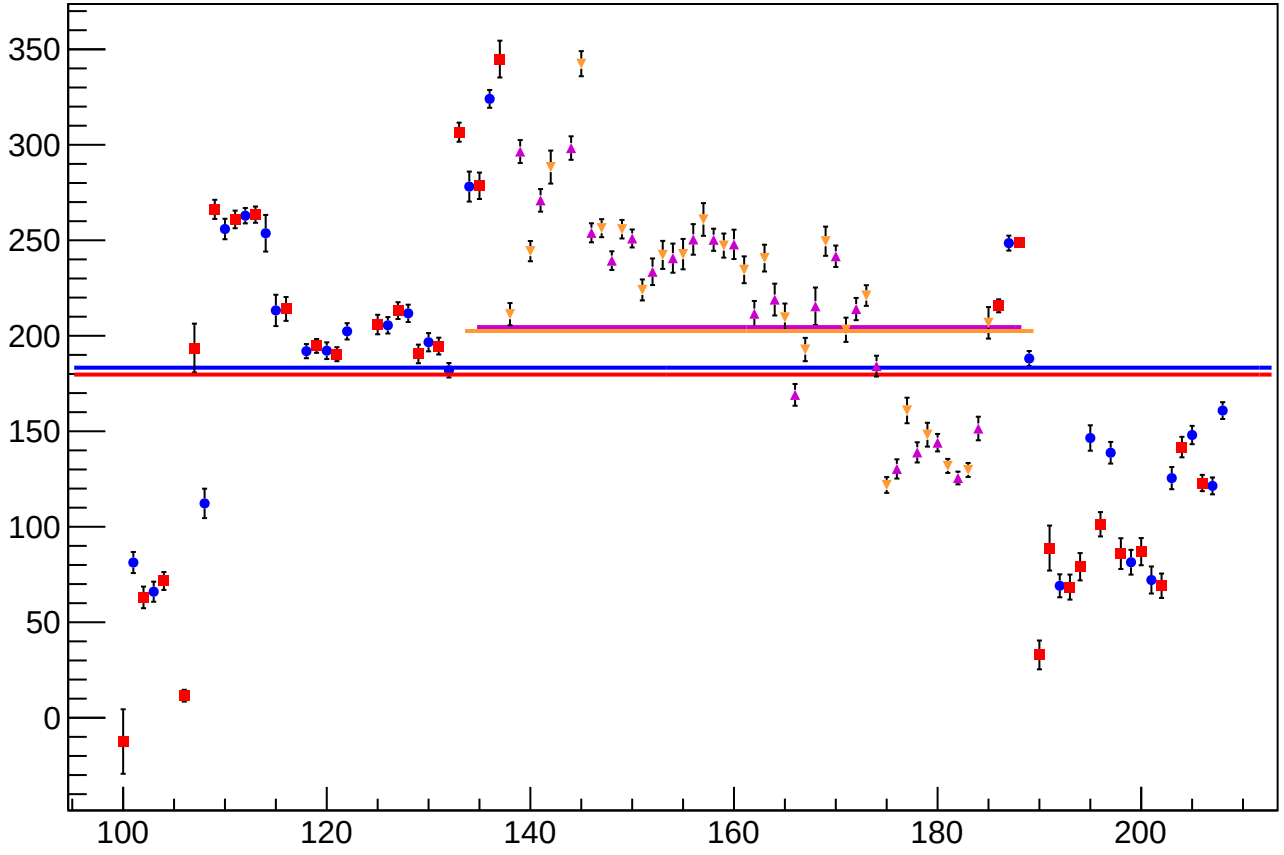
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 10.022+/-0.651 χ^2/NDF: 761.3/50

All: 10.024+/-0.458 χ^2/NDF: 1490.3/103

- sign 10.027+/-0.644 χ^2/NDF: 729.0/52

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 183.301+/-0.955 χ^2/NDF: 4317.2/26

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 179.685+/-0.868 χ^2/NDF: 9487.6/29

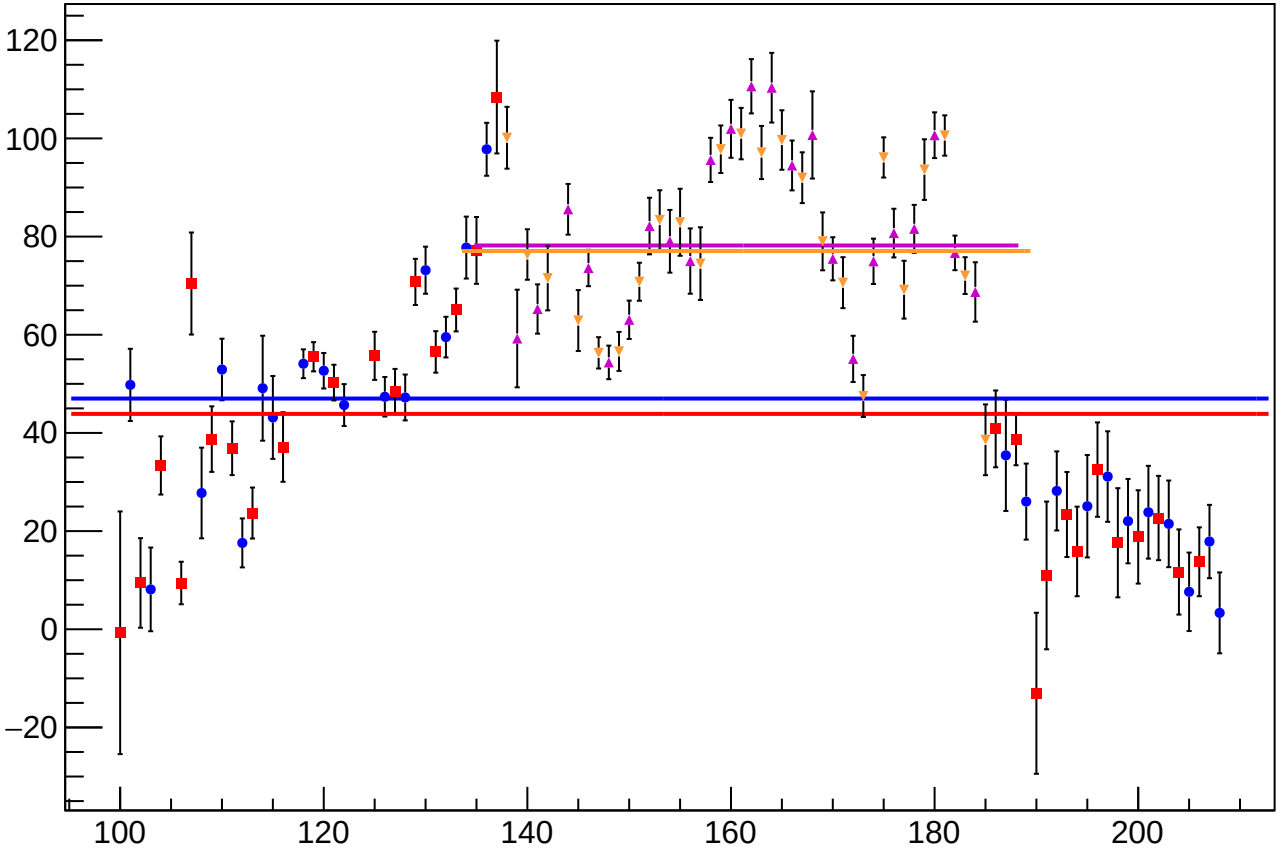
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 190.964+/-0.741 χ^2/NDF: 6872.0/50

All: 189.630+/-0.508 χ^2/NDF: 18940.8/103

- sign 188.443+/-0.698 χ^2/NDF: 12062.6/52

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.005+/-1.121 χ^2/NDF: 332.4/26

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 43.879+/-1.091 χ^2/NDF: 339.8/29

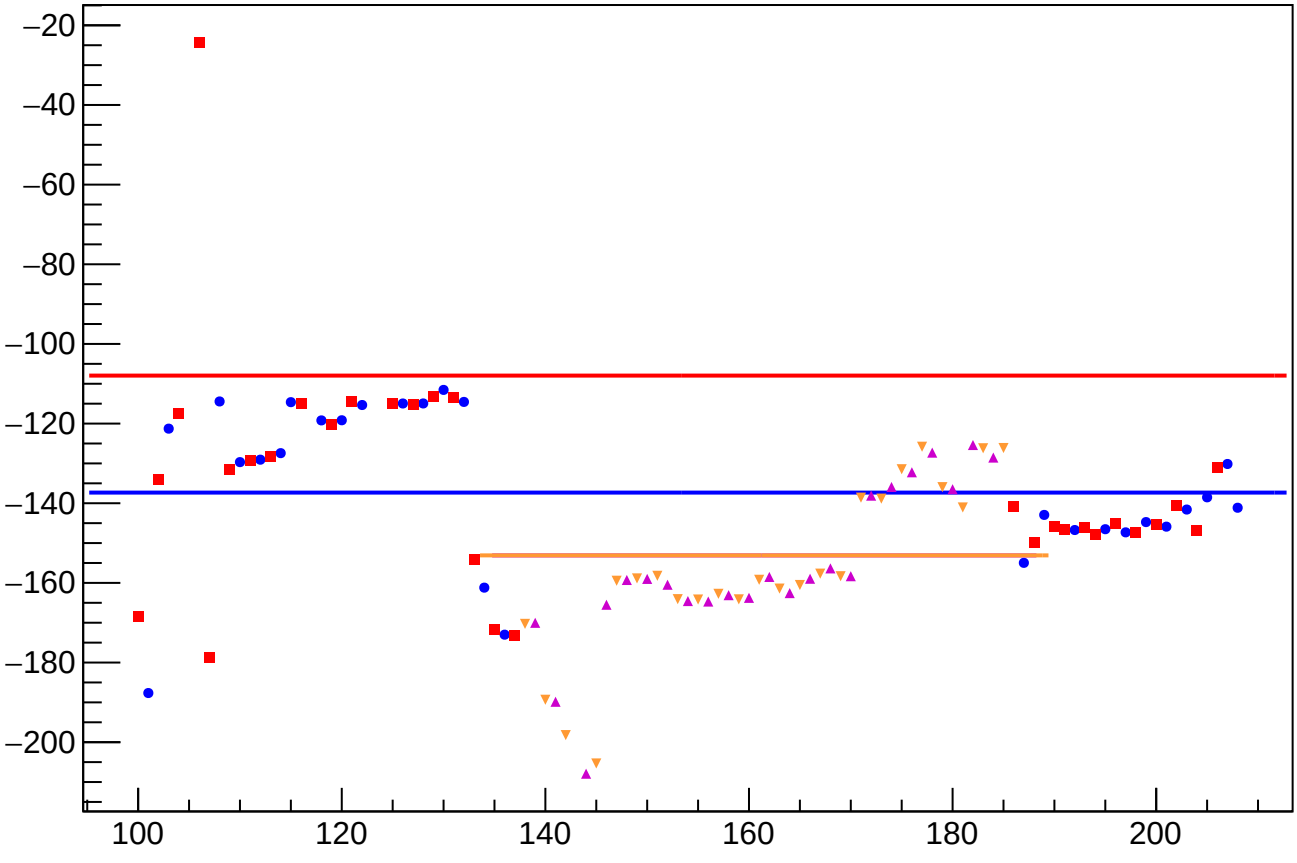
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

\+ sign 63.521+/-0.753 χ^2/NDF: 1038.5/50

All: 62.799+/-0.530 χ^2/NDF: 2137.9/103

\- sign 62.087+/-0.747 χ^2/NDF: 1097.5/52

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -137.326+/-0.061 χ^2/NDF: 103778.4/26

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -107.951+/-0.052 χ^2/NDF: 985520.7/29

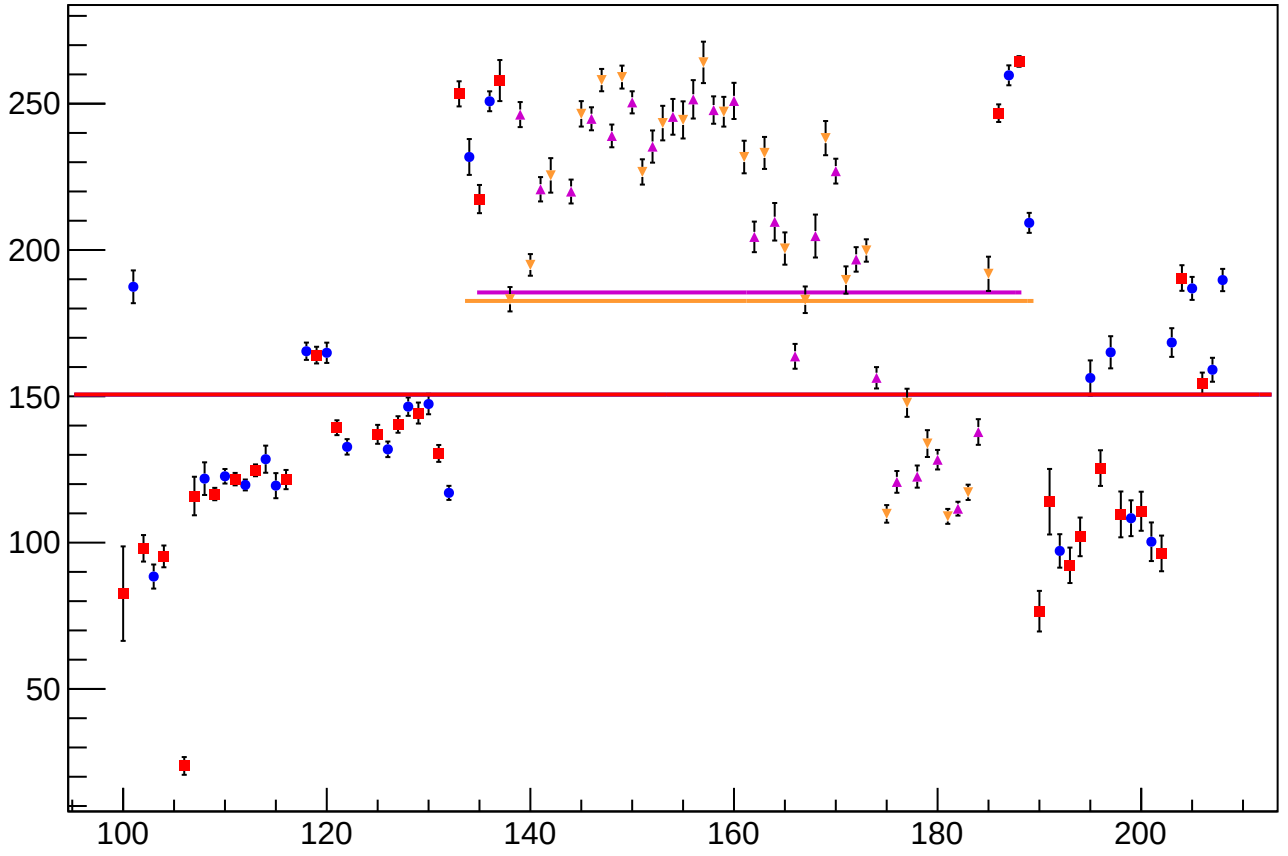
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.240+/-0.037 χ^2/NDF: 323227.3/50

All: -139.618+/-0.025 χ^2/NDF: 1971674.3/10

- sign -132.981+/-0.035 χ^2/NDF: 1569944.1/52

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 150.565+/-0.678 χ^2/NDF: 3884.5/26

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 150.620+/-0.625 χ^2/NDF: 9454.9/29

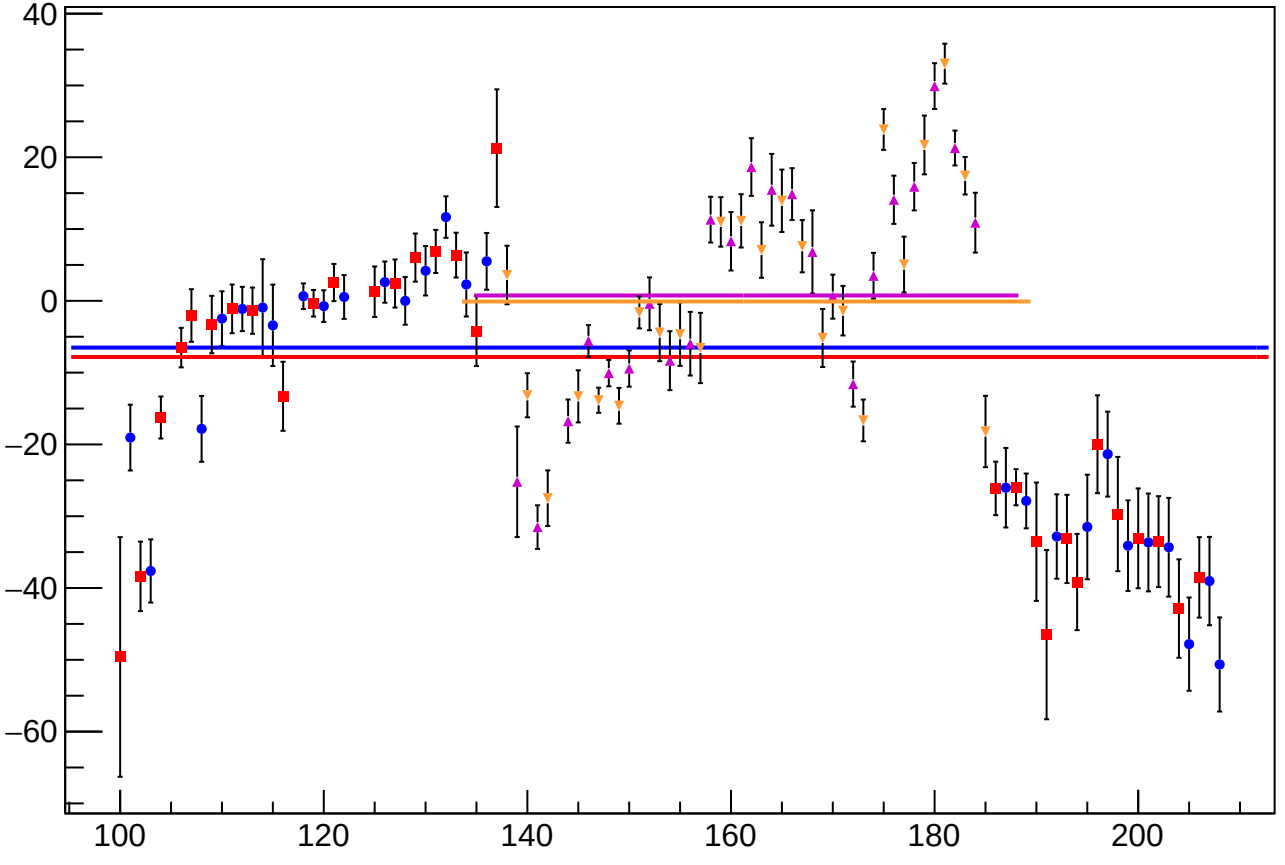
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

\+ sign 162.746+/-0.534 χ^2/NDF: 8884.4/50

All: 162.586+/-0.368 χ^2/NDF: 23218.2/103

\- sign 162.442+/-0.508 χ^2/NDF: 14333.6/52

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -6.511+/-0.735 χ^2/NDF: 420.2/26

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -7.821+/-0.696 χ^2/NDF: 422.7/29

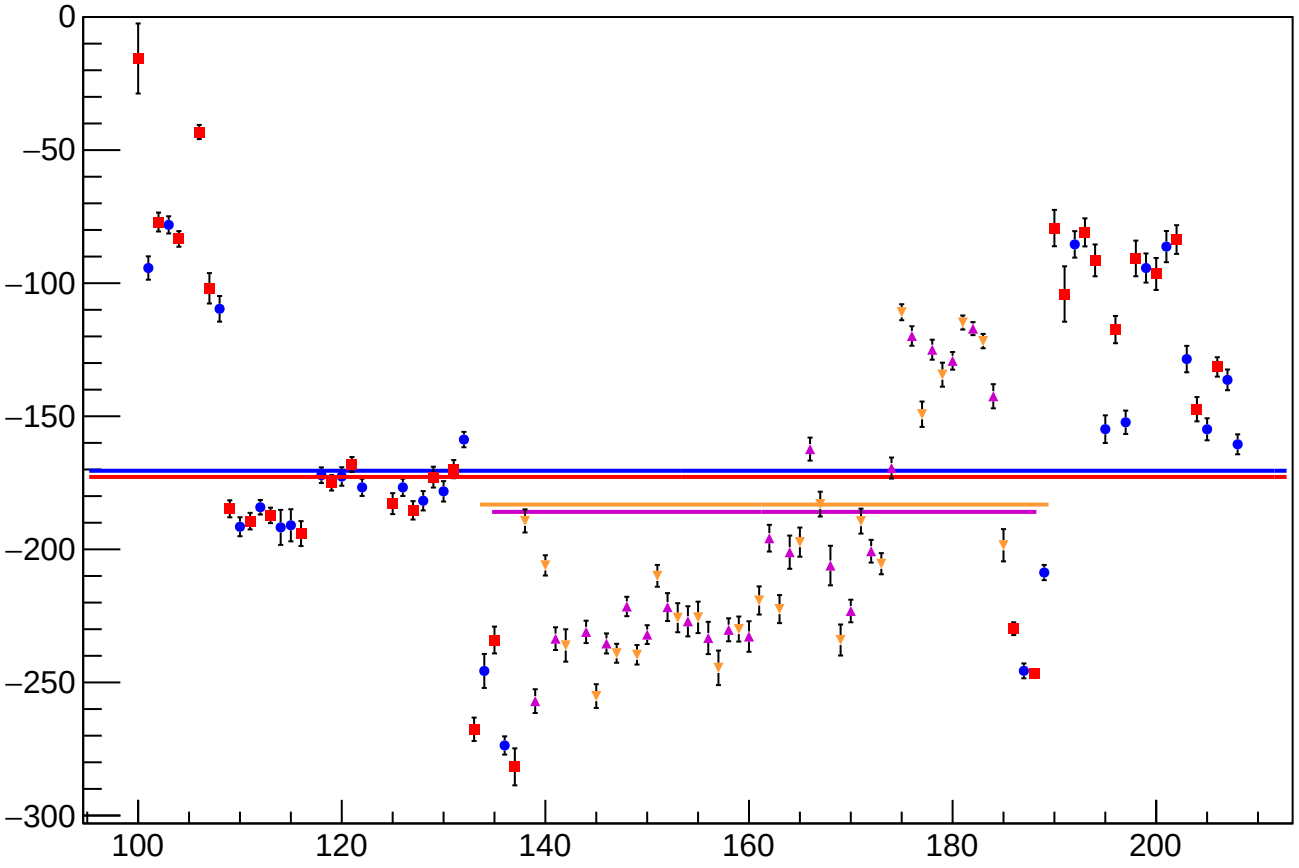
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -2.931+/-0.489 χ^2/NDF: 1018.0/50

All: -3.141+/-0.343 χ^2/NDF: 2018.0/103

- sign -3.344+/-0.481 χ^2/NDF: 999.7/52

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -170.473+/-0.727 χ^2/NDF: 4233.0/26

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -172.800+/-0.648 χ^2/NDF: 9995.6/29

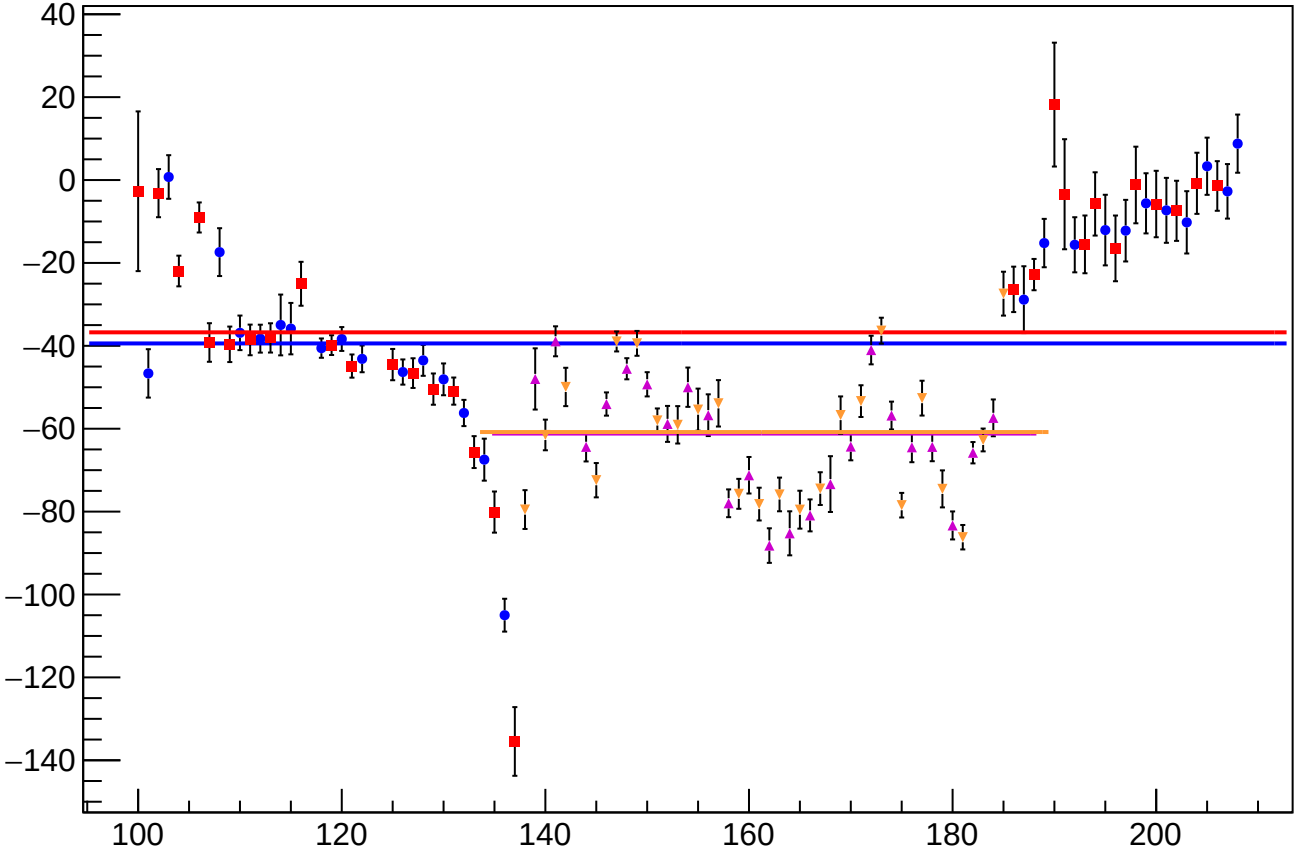
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

\+ sign -175.748+/-0.556 χ^2/NDF: 7721.1/50

All: -176.689+/-0.379 χ^2/NDF: 21050.8/103

\- sign -177.511+/-0.519 χ^2/NDF: 13324.4/52

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -39.424+/-0.859 χ^2/NDF: 647.1/26

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -36.747+/-0.825 χ^2/NDF: 619.4/29

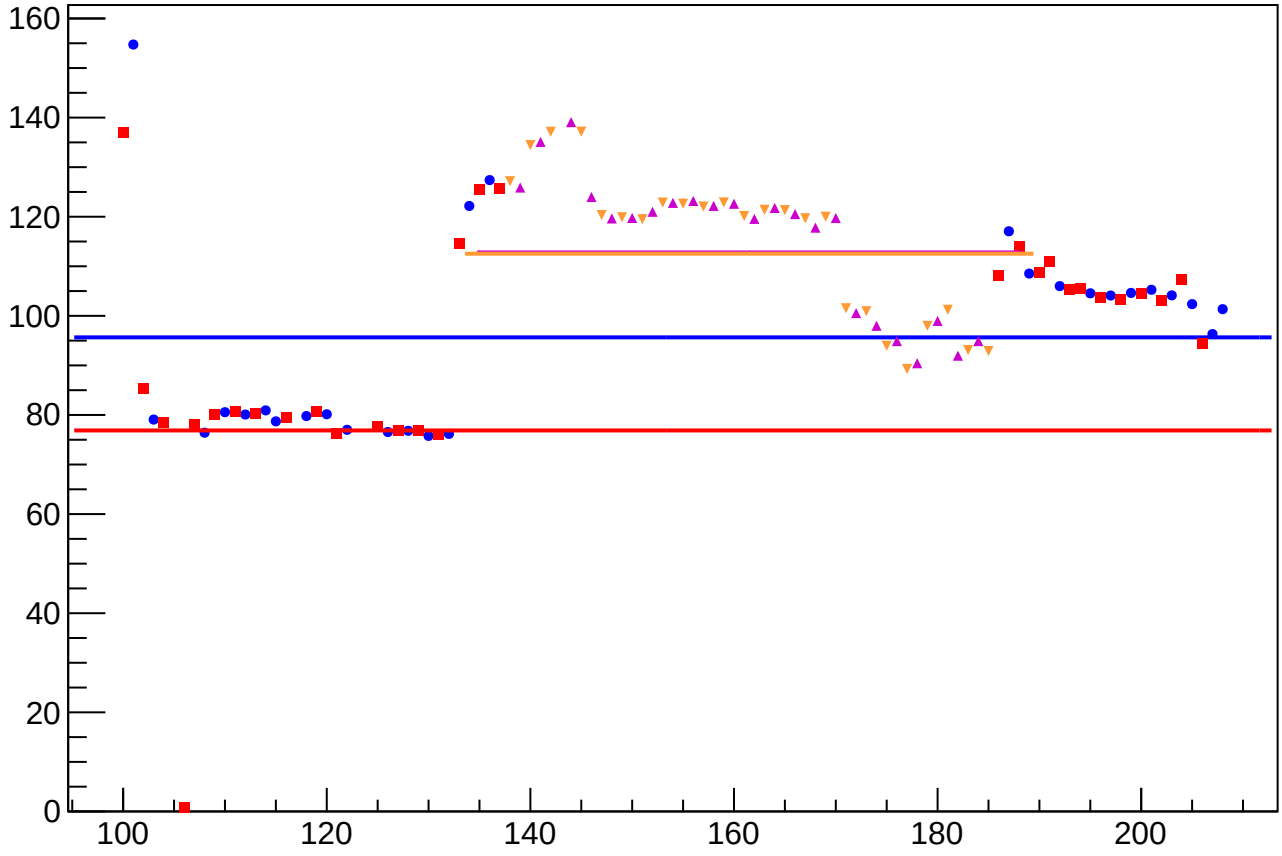
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -51.573+/-0.565 χ^2/NDF: 1472.8/50

All: -50.782+/-0.397 χ^2/NDF: 2889.0/103

- sign -50.010+/-0.558 χ^2/NDF: 1412.3/52

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 95.657+/-0.047 χ^2/NDF: 183063.8/26

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 76.878+/-0.041 χ^2/NDF: 883161.0/29

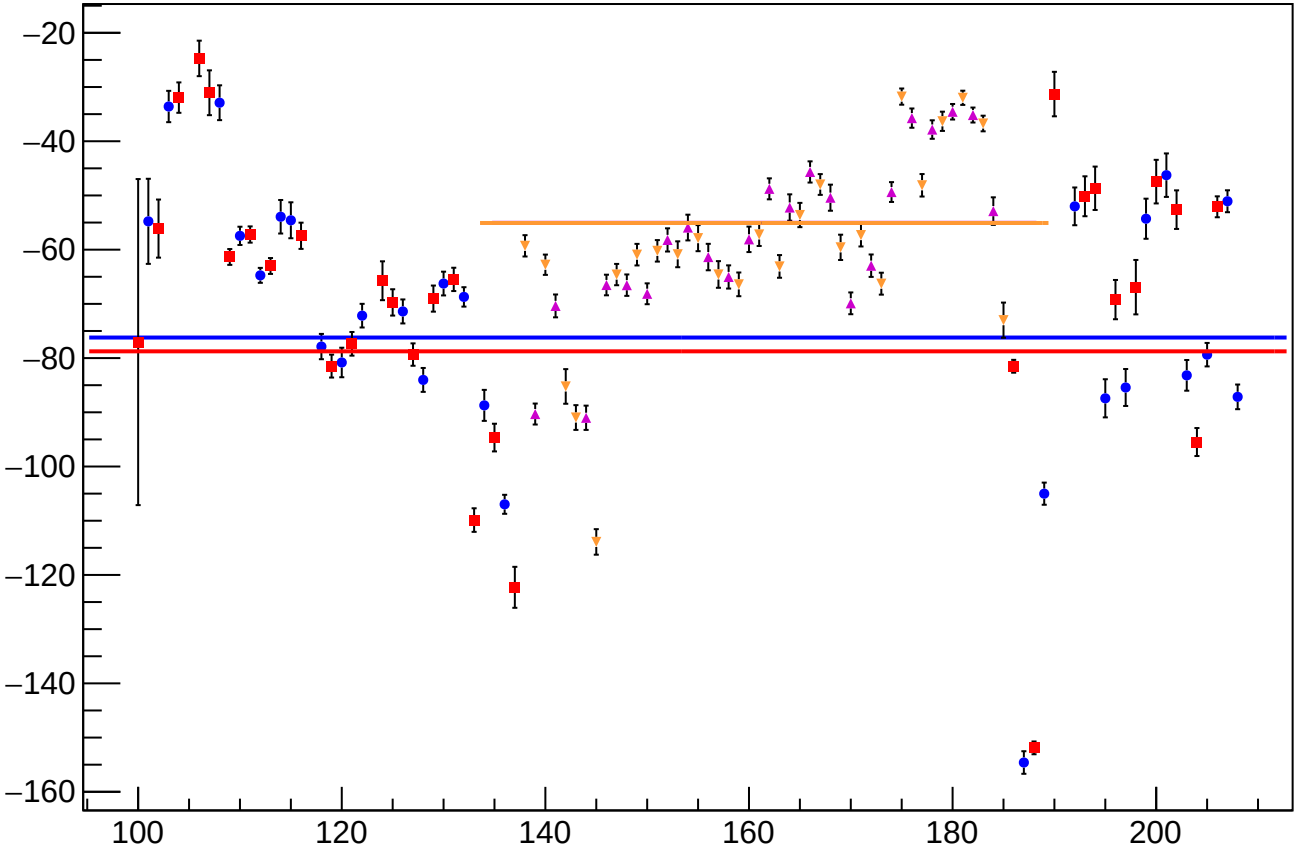
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.555+/-0.028 χ^2/NDF: 442051.5/50

All: 102.000+/-0.019 χ^2/NDF: 1999000.2/103

- sign 97.905+/-0.026 χ^2/NDF: 1505913.0/52

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -76.209+/-0.454 χ^2/NDF: 3043.6/26

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -78.754+/-0.411 χ^2/NDF: 6163.0/29

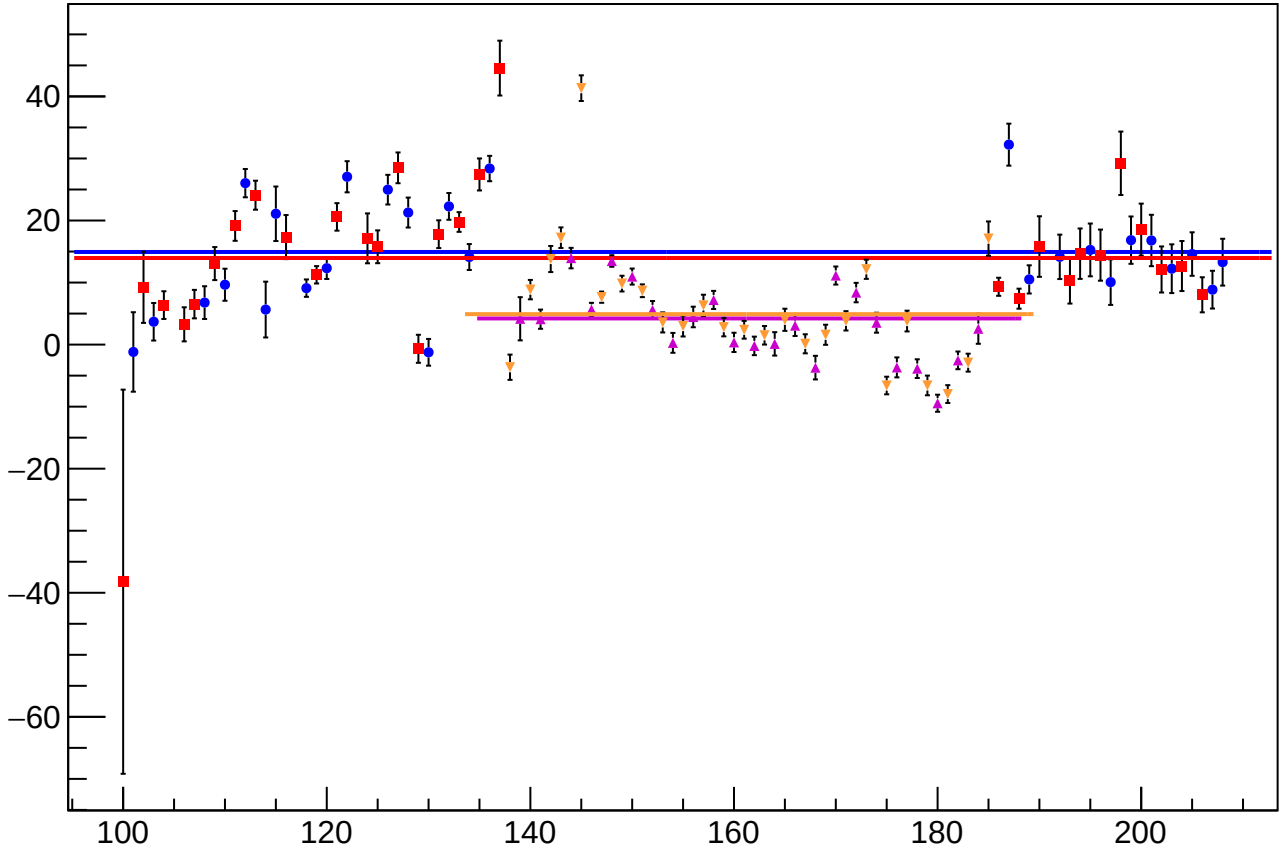
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -64.319+/-0.300 χ^2/NDF: 6263.7/51

All: -65.639+/-0.209 χ^2/NDF: 15669.4/104

- sign -66.874+/-0.291 χ^2/NDF: 9368.3/52

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 14.929+/-0.506 χ^2/NDF: 279.4/26

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 13.957+/-0.464 χ^2/NDF: 289.5/29

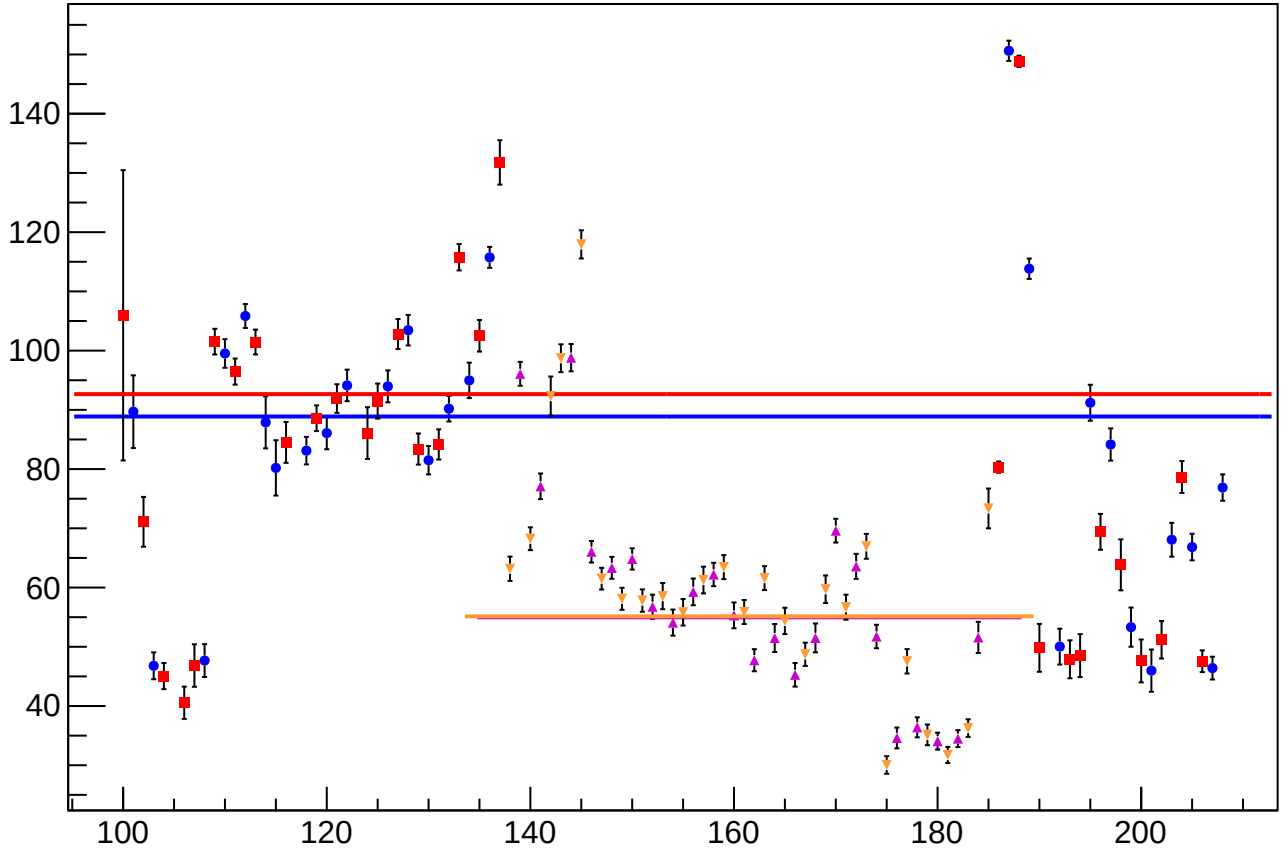
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.532+/-0.259 χ^2/NDF: 1310.1/51

All: 7.394+/-0.183 χ^2/NDF: 2318.9/104

- sign 7.256+/-0.259 χ^2/NDF: 1008.2/52

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 88.875+/-0.475 χ^2/NDF: 3559.4/26

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 92.657+/-0.413 χ^2/NDF: 6532.9/29

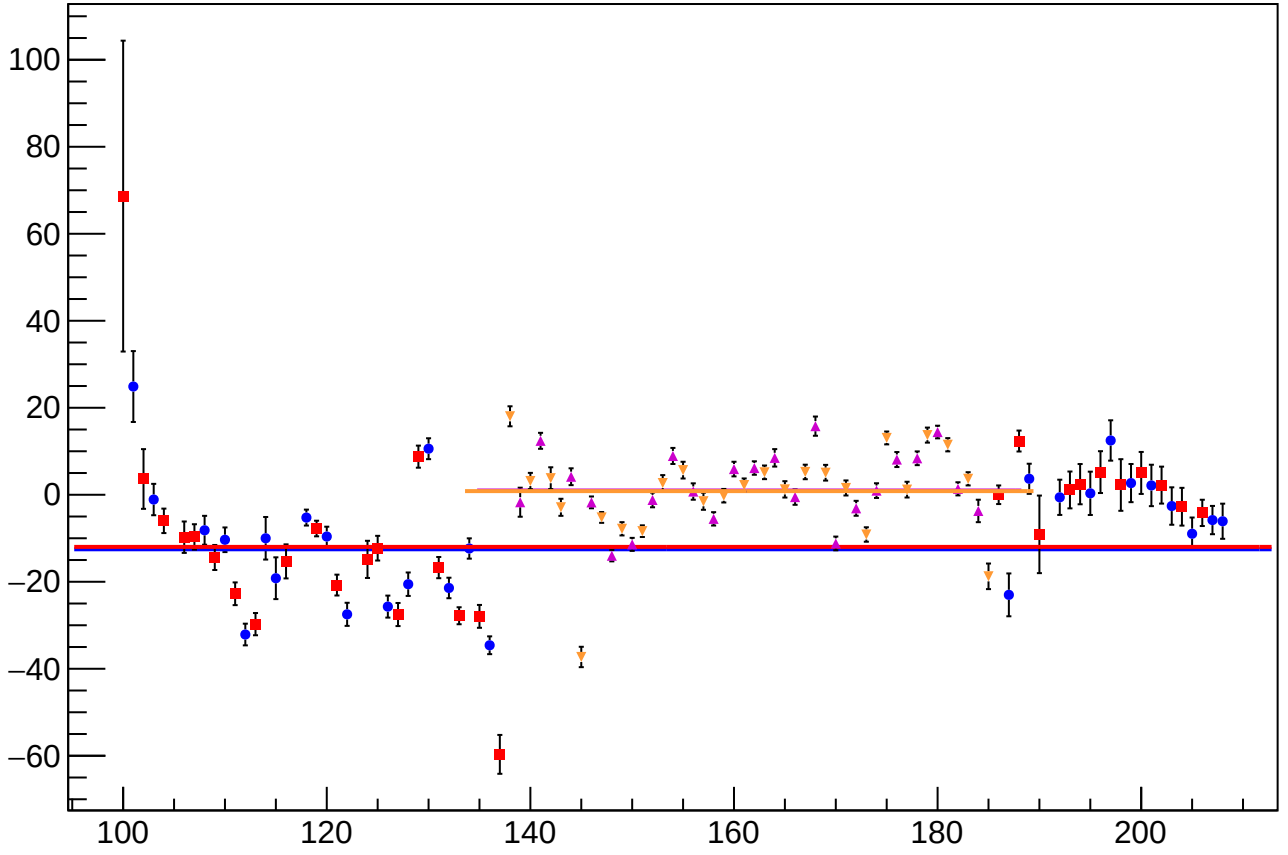
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 69.013+/-0.305 χ^2/NDF: 8772.0/51

All: 71.358+/-0.210 χ^2/NDF: 21436.9/104

- sign 73.474+/-0.289 χ^2/NDF: 12552.1/52

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -12.534+/-0.586 χ^2/NDF: 511.3/26

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -11.983+/-0.554 χ^2/NDF: 629.7/29

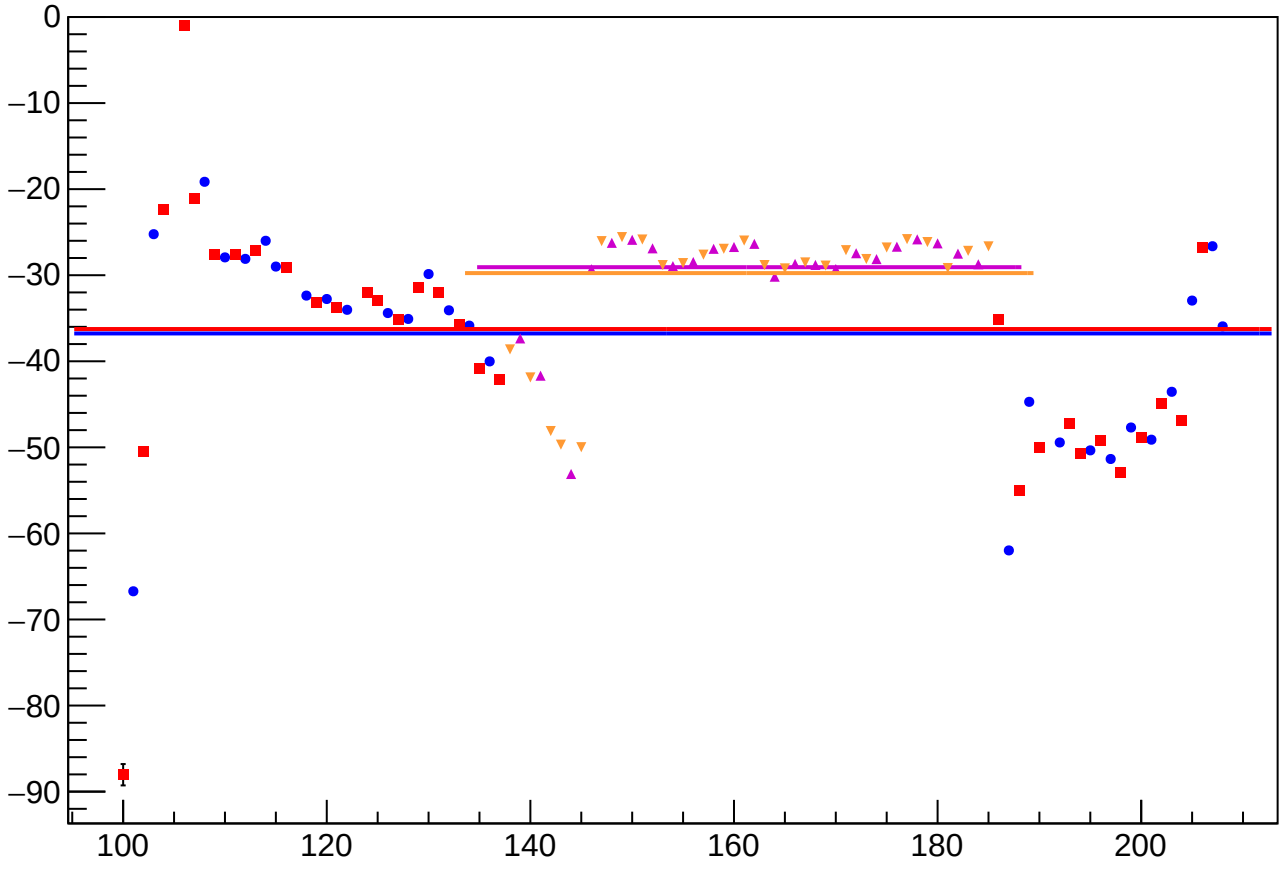
Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

\+ sign -2.568+/-0.296 χ^2/NDF: 1616.2/51

All: -2.665+/-0.210 χ^2/NDF: 3193.3/104

\- sign -2.764+/-0.298 χ^2/NDF: 1576.9/52

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -36.767+/-0.029 χ^2/NDF: 119124.3/26

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -36.253+/-0.029 χ^2/NDF: 212593.4/29

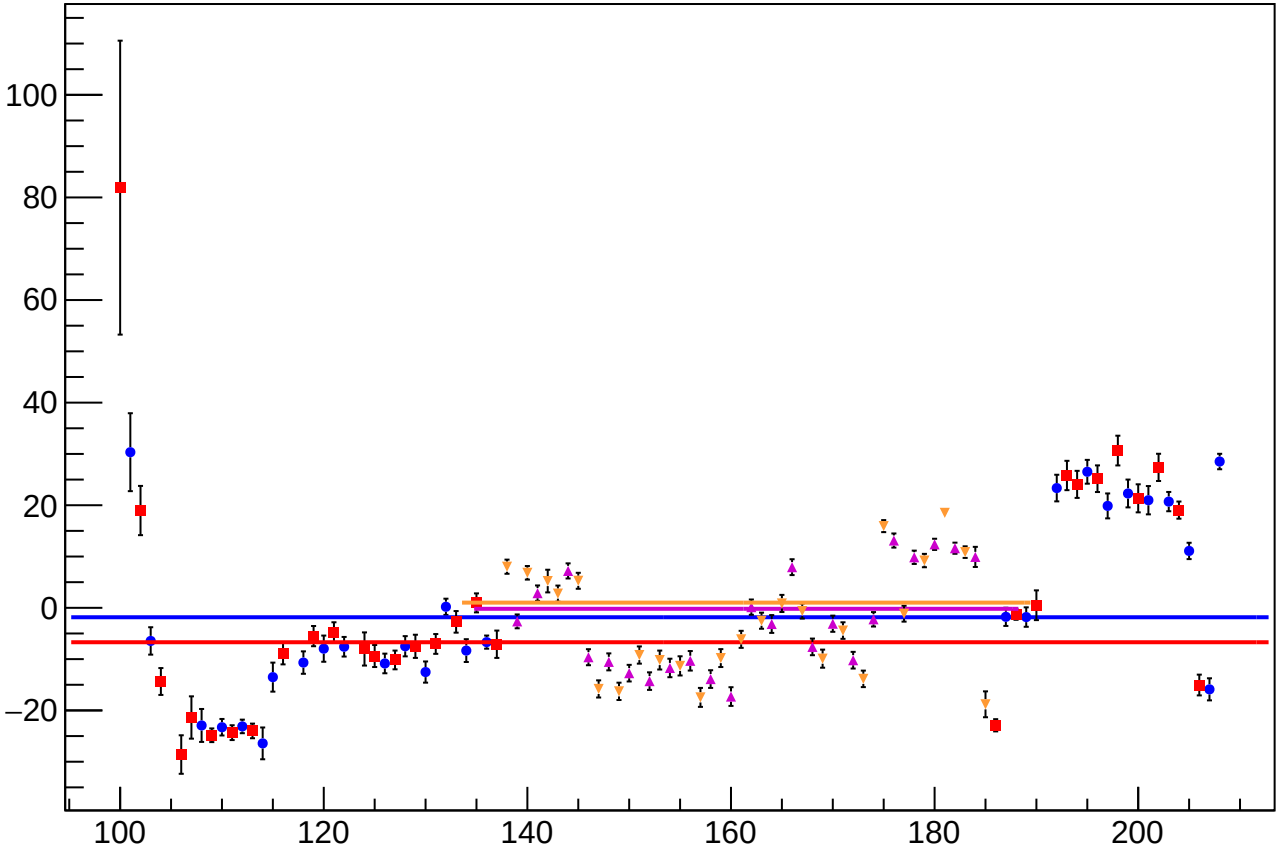
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -31.307+/-0.014 χ^2/NDF: 327599.0/51

All: -31.023+/-0.010 χ^2/NDF: 690618.6/104

- sign -30.734+/-0.014 χ^2/NDF: 362156.2/52

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -1.837+/-0.385 χ^2/NDF: 1822.0/26

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -6.709+/-0.364 χ^2/NDF: 1928.0/29

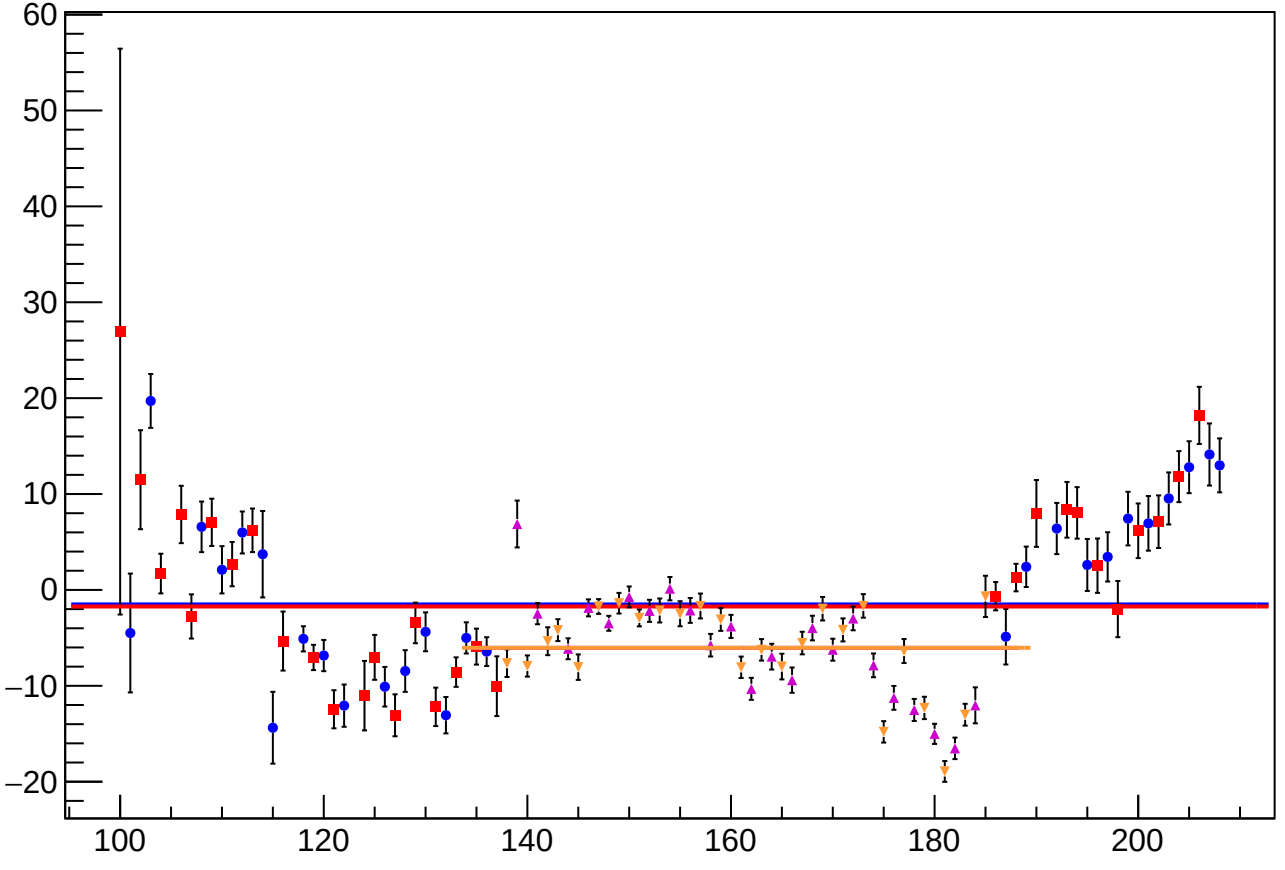
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -0.084+/-0.239 χ^2/NDF: 3190.8/51

All: -1.535+/-0.169 χ^2/NDF: 6358.4/104

- sign -2.976+/-0.238 χ^2/NDF: 3094.2/52

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.515+/-0.436 χ^2/NDF: 349.8/26

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -1.728+/-0.414 χ^2/NDF: 323.4/29

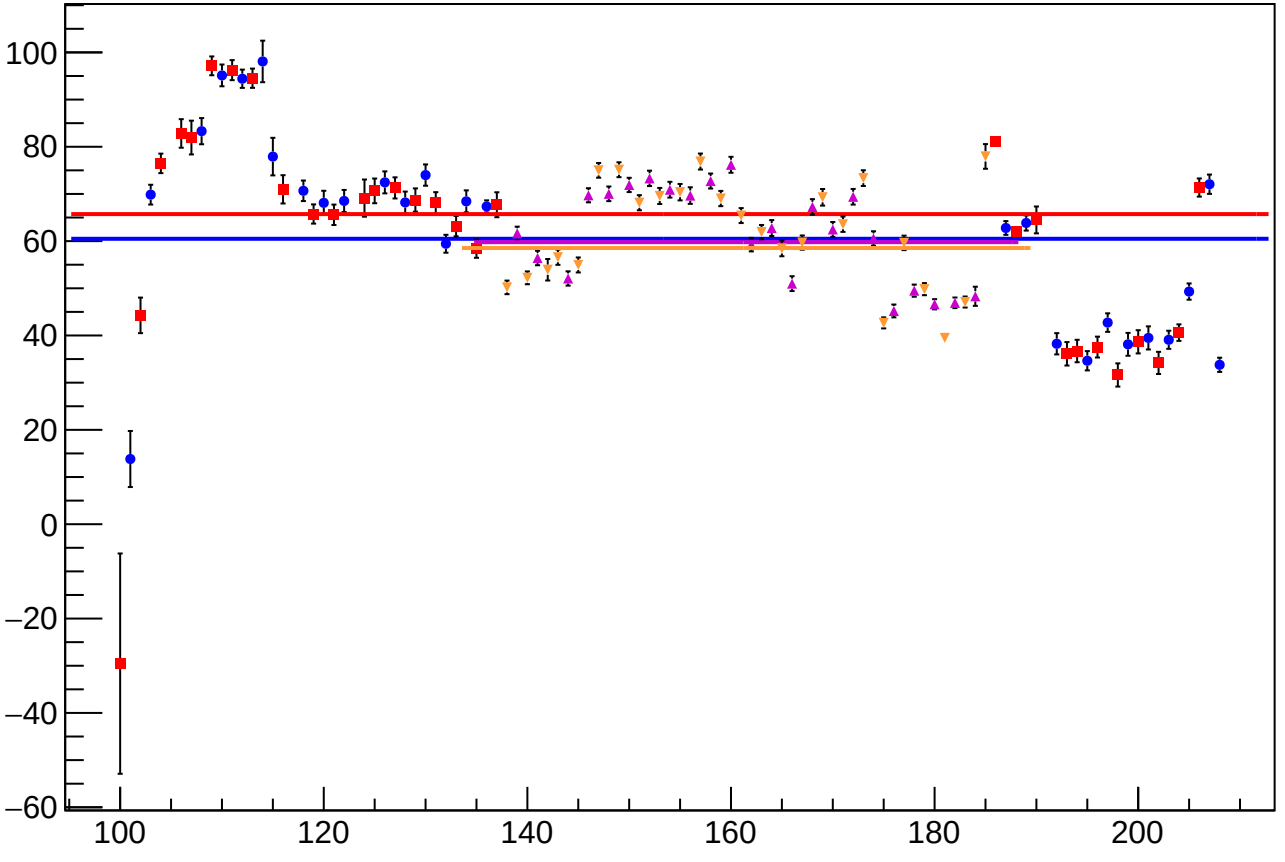
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.030+/-0.206 χ^2/NDF: 848.3/51

All: -4.985+/-0.147 χ^2/NDF: 1648.9/104

- sign -4.939+/-0.209 χ^2/NDF: 800.5/52

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 60.495+/-0.398 χ^2/NDF: 1947.1/26

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 65.728+/-0.365 χ^2/NDF: 2251.2/29

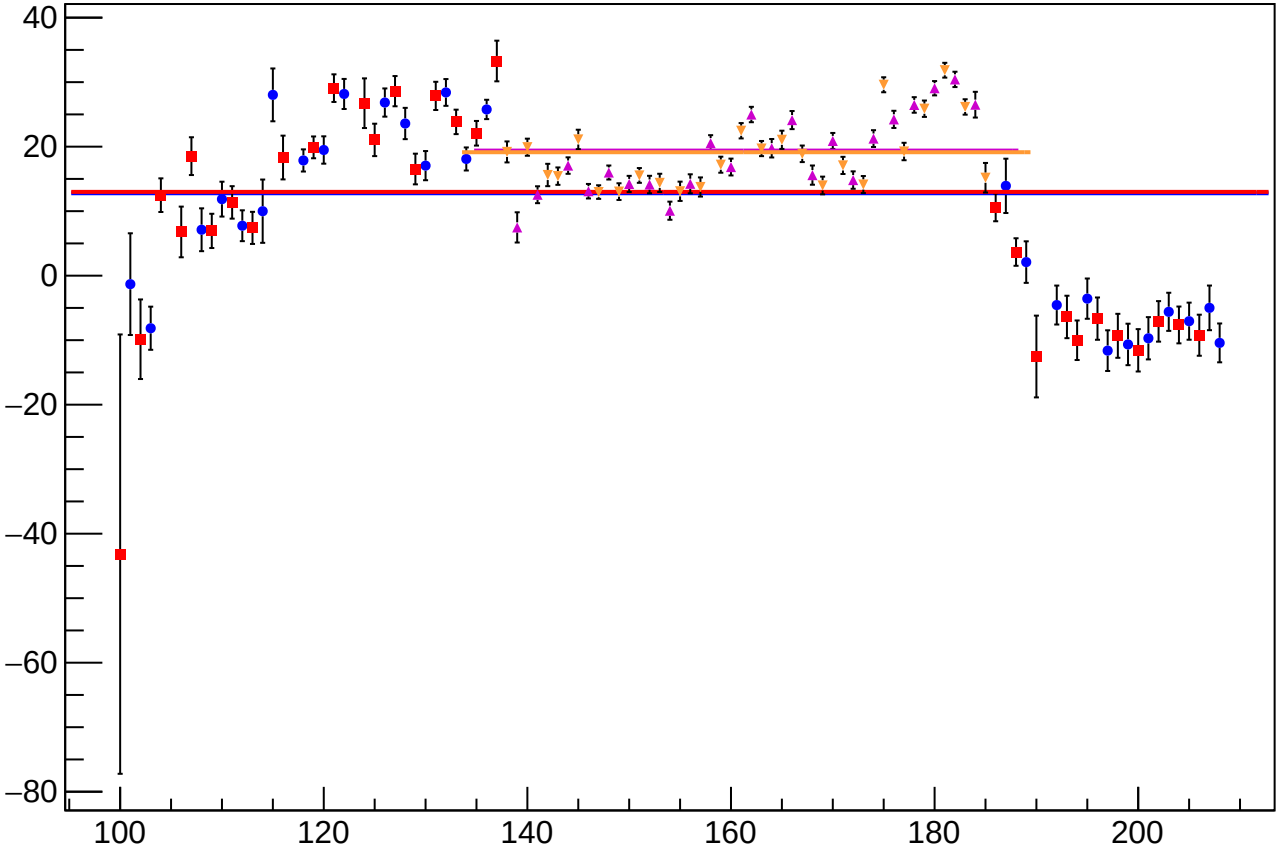
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 59.253+/-0.241 χ^2/NDF: 3411.7/51

All: 60.798+/-0.169 χ^2/NDF: 6968.0/104

- sign 62.289+/-0.237 χ^2/NDF: 3475.7/52

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 12.779+/-0.500 χ^2/NDF: 735.3/26

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 12.990+/-0.490 χ^2/NDF: 725.6/29

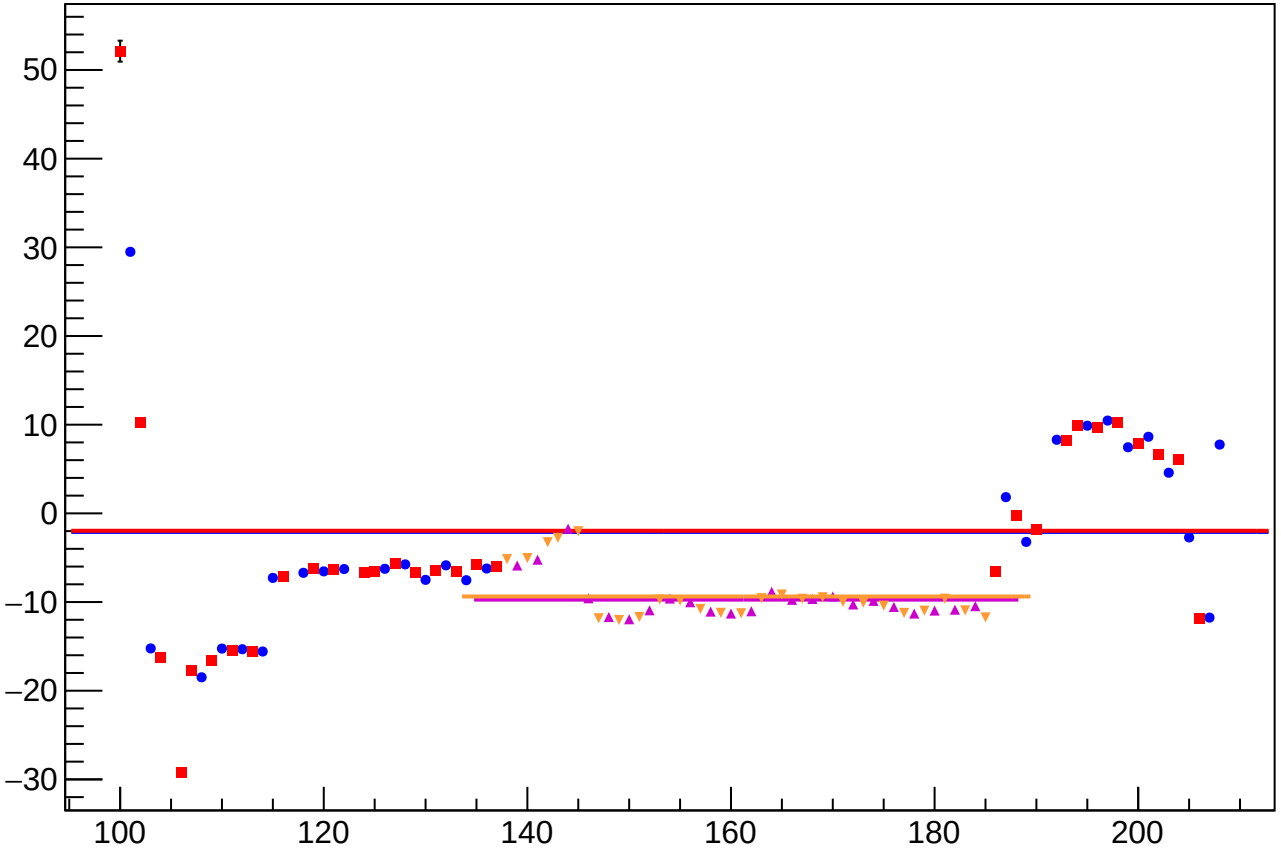
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 17.751+/-0.233 χ^2/NDF: 1295.6/51

All: 17.808+/-0.167 χ^2/NDF: 2619.2/104

- sign 17.868+/-0.239 χ^2/NDF: 1323.5/52

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -2.093+/-0.024 χ^2/NDF: 161147.8/26

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -1.964+/-0.024 χ^2/NDF: 193718.4/29

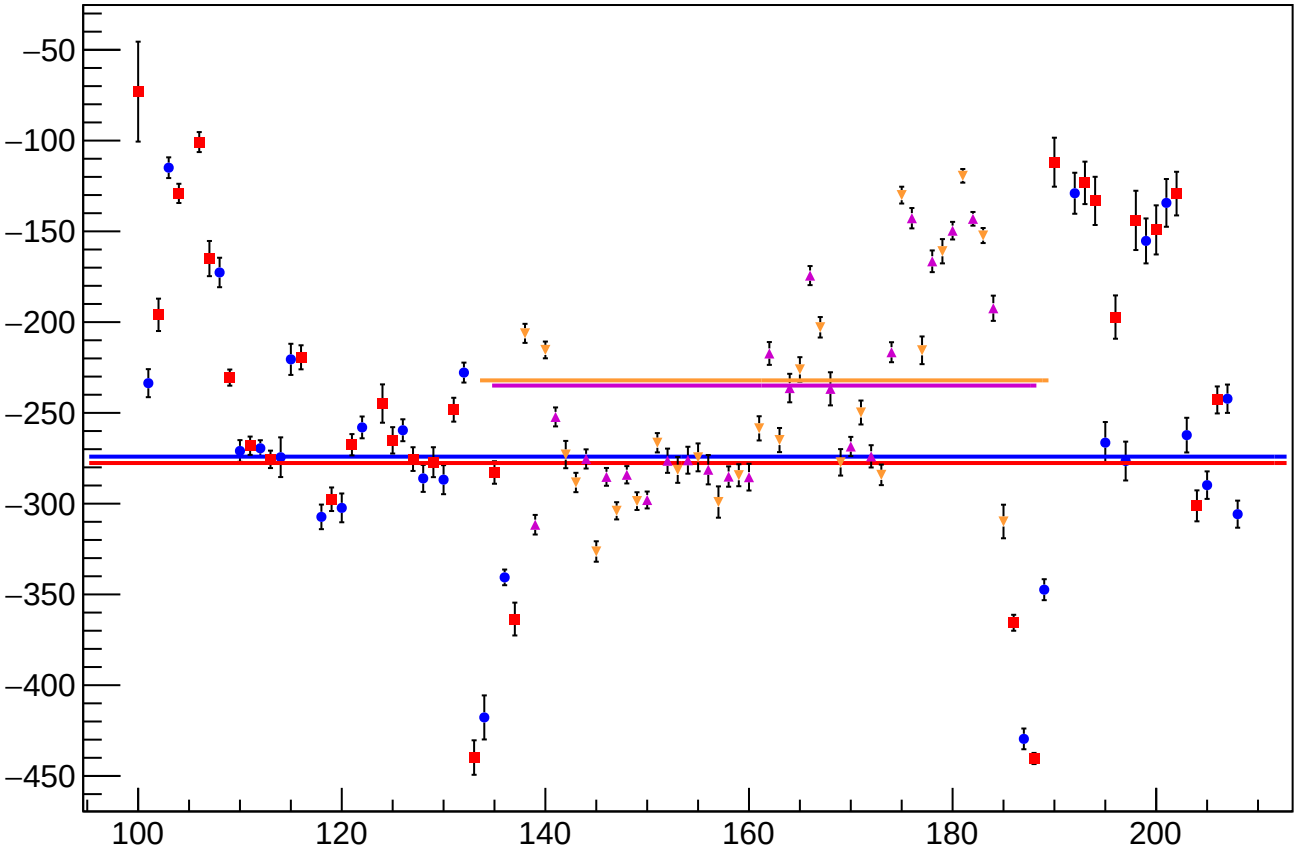
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -7.902+/-0.011 χ^2/NDF: 287032.1/51

All: -8.011+/-0.008 χ^2/NDF: 597654.8/104

- sign -8.124+/-0.011 χ^2/NDF: 310407.6/52

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -274.099+/-1.356 χ^2/NDF: 2818.6/26

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -277.619+/-1.219 χ^2/NDF: 6757.9/29

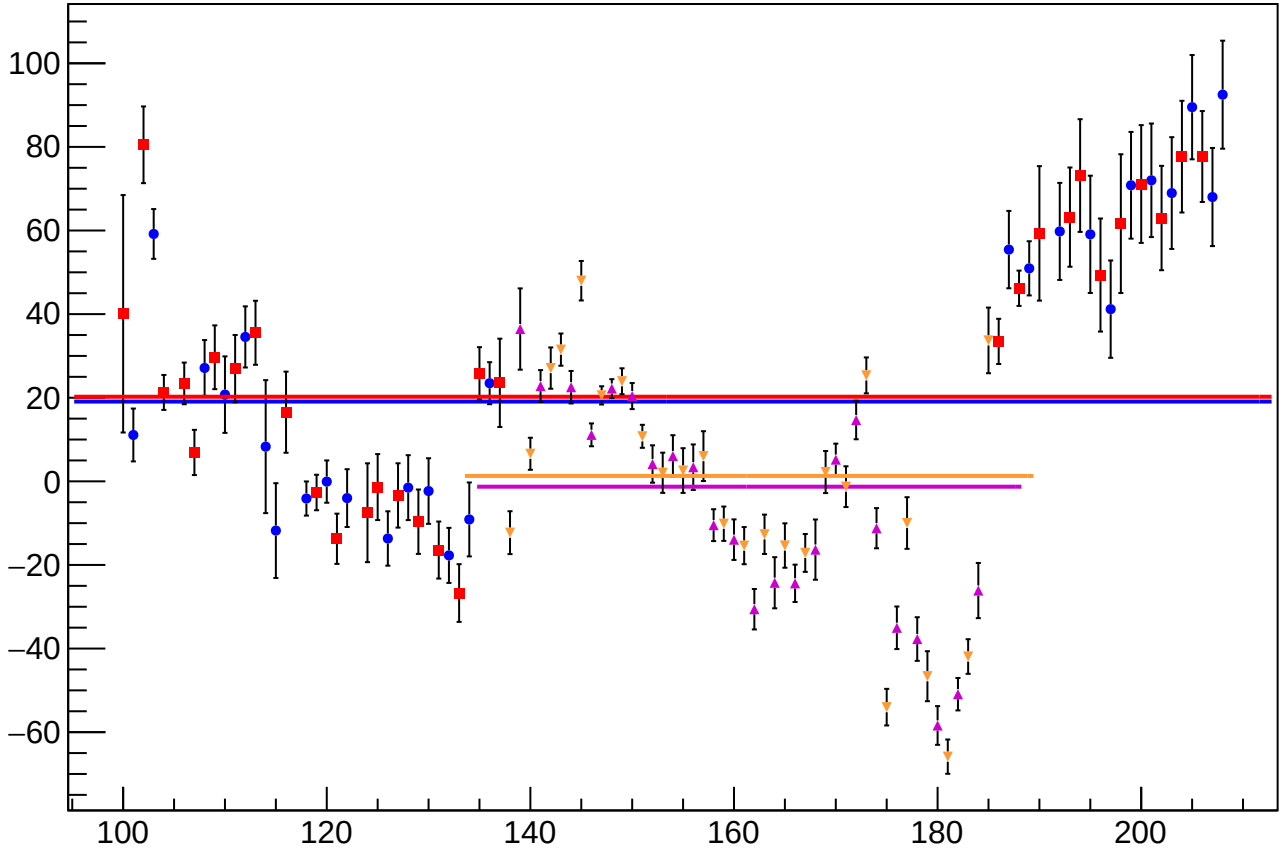
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -249.544+/-0.874 χ^2/NDF: 6649.7/51

All: -252.620+/-0.608 χ^2/NDF: 16536.3/104

- sign -255.505+/-0.846 χ^2/NDF: 9862.5/52

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 19.084+/-1.471 χ^2/NDF: 391.2/26

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 20.240+/-1.332 χ^2/NDF: 391.5/29

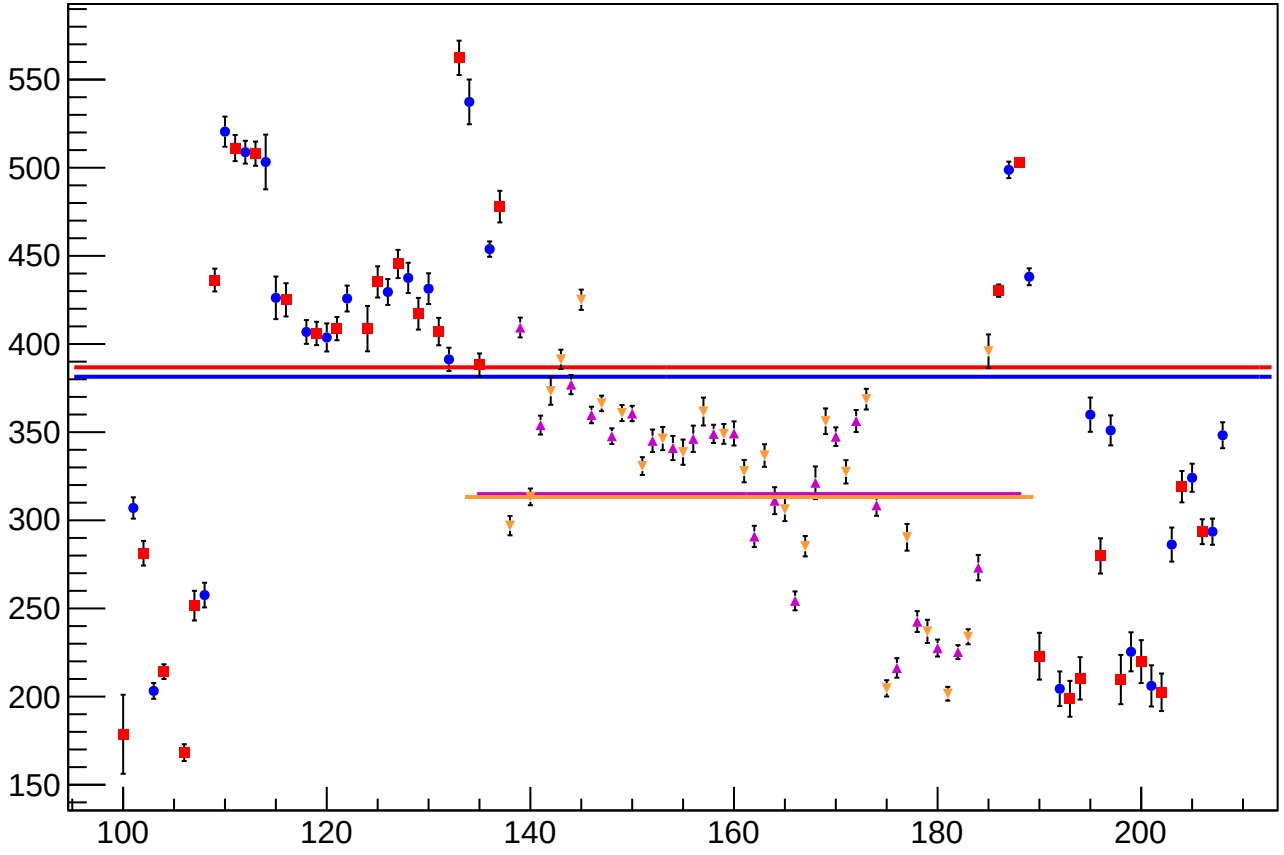
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

\+ sign 5.645+/-0.727 χ^2/NDF: 1551.2/51

All: 5.395+/-0.514 χ^2/NDF: 2937.2/104

\- sign 5.144+/-0.728 χ^2/NDF: 1385.8/52

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 381.432+/-1.371 χ^2/NDF: 5221.0/26

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 386.789+/-1.194 χ^2/NDF: 9695.7/29

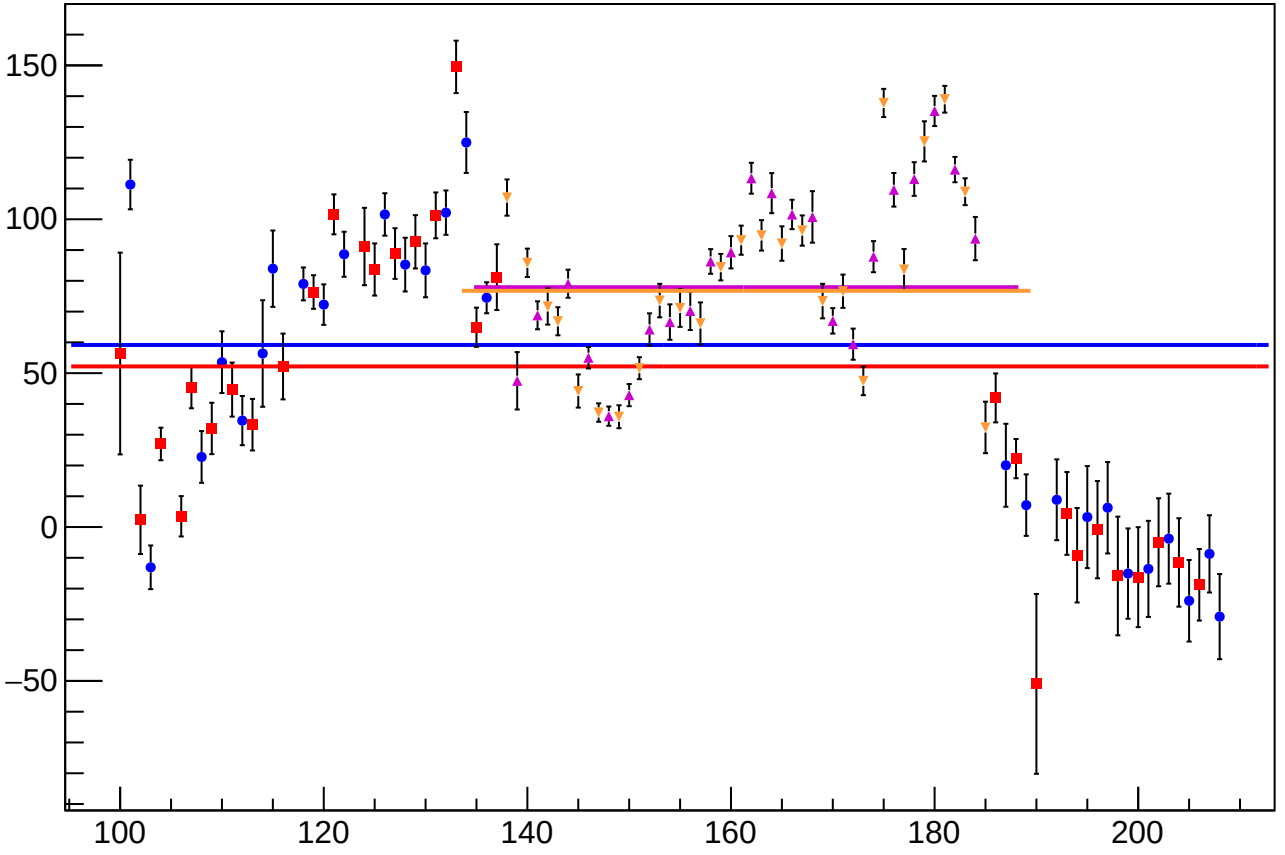
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 340.910+/-0.874 χ^2/NDF: 9827.3/51

All: 345.583+/-0.603 χ^2/NDF: 23871.0/104

- sign 349.826+/-0.833 χ^2/NDF: 13989.2/52

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 59.159+/-1.720 χ^2/NDF: 605.0/26

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 52.187+/-1.602 χ^2/NDF: 618.2/29

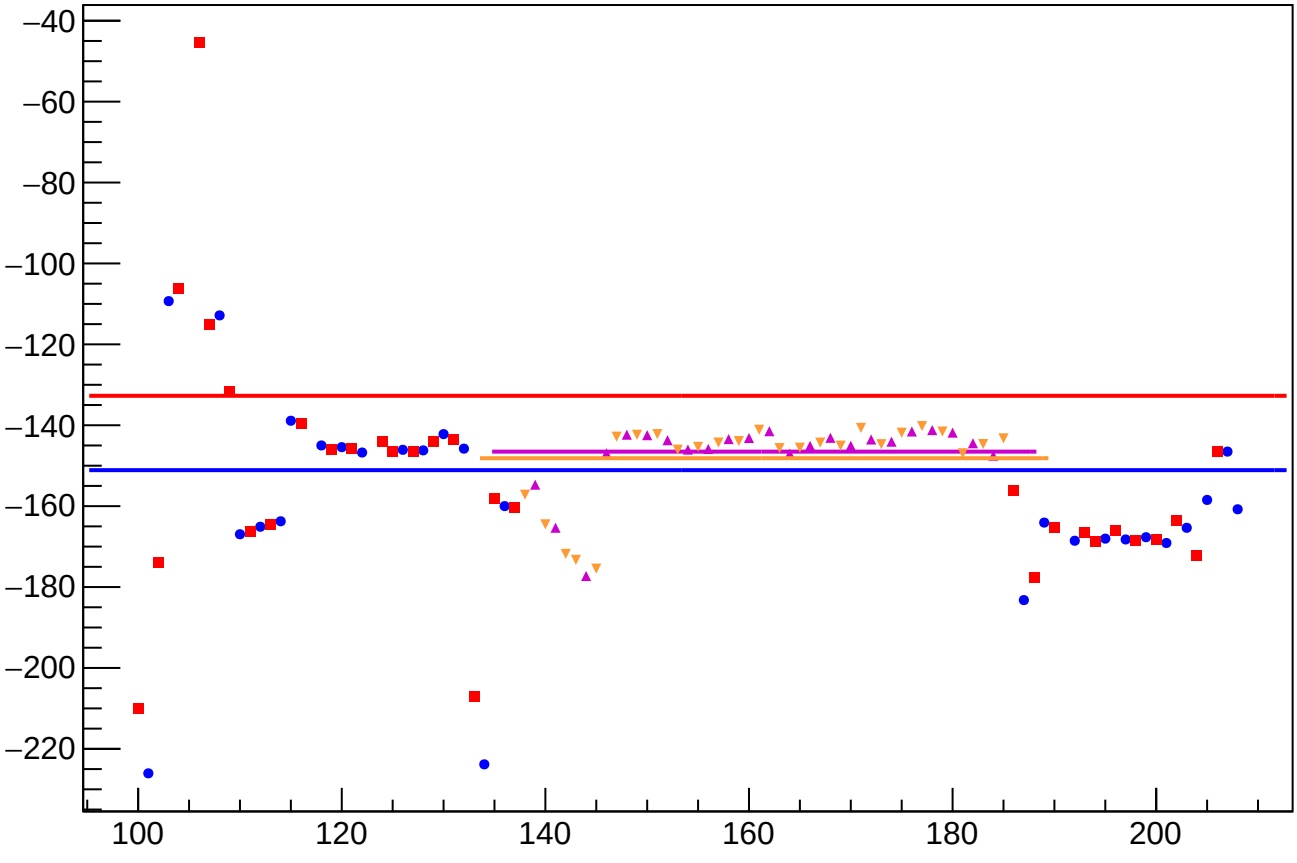
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 72.533+/-0.843 χ^2/NDF: 1719.9/51

All: 71.641+/-0.597 χ^2/NDF: 3310.2/104

- sign 70.742+/-0.846 χ^2/NDF: 1588.1/52

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -151.101+/-0.082 χ^2/NDF: 146522.7/26

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -132.718+/-0.076 χ^2/NDF: 348278.8/29

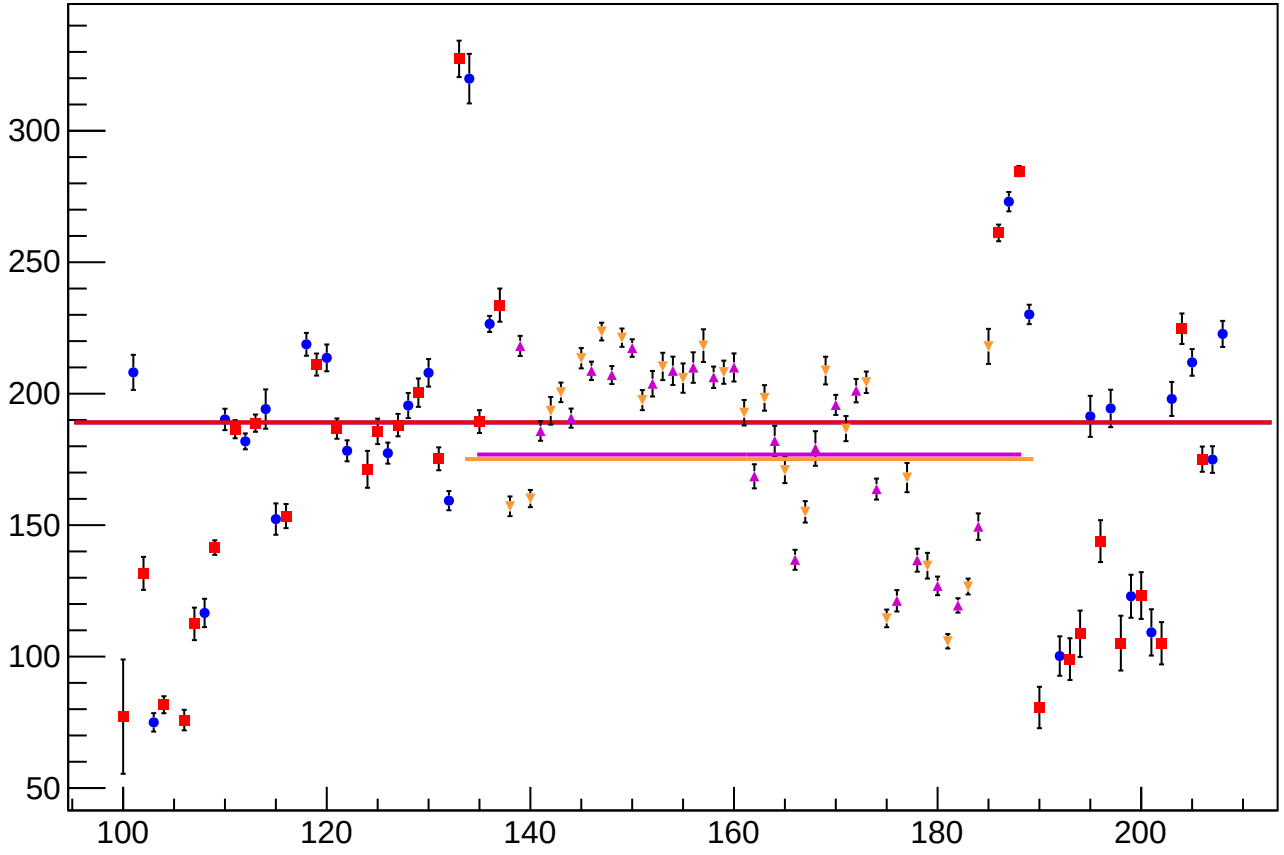
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -148.829+/-0.040 χ^2/NDF: 196421.4/51

All: -145.798+/-0.028 χ^2/NDF: 609895.5/104

- sign -142.849+/-0.039 χ^2/NDF: 401892.1/52

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 189.049+/-0.907 χ^2/NDF: 2813.3/26

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 189.085+/-0.807 χ^2/NDF: 6724.8/29

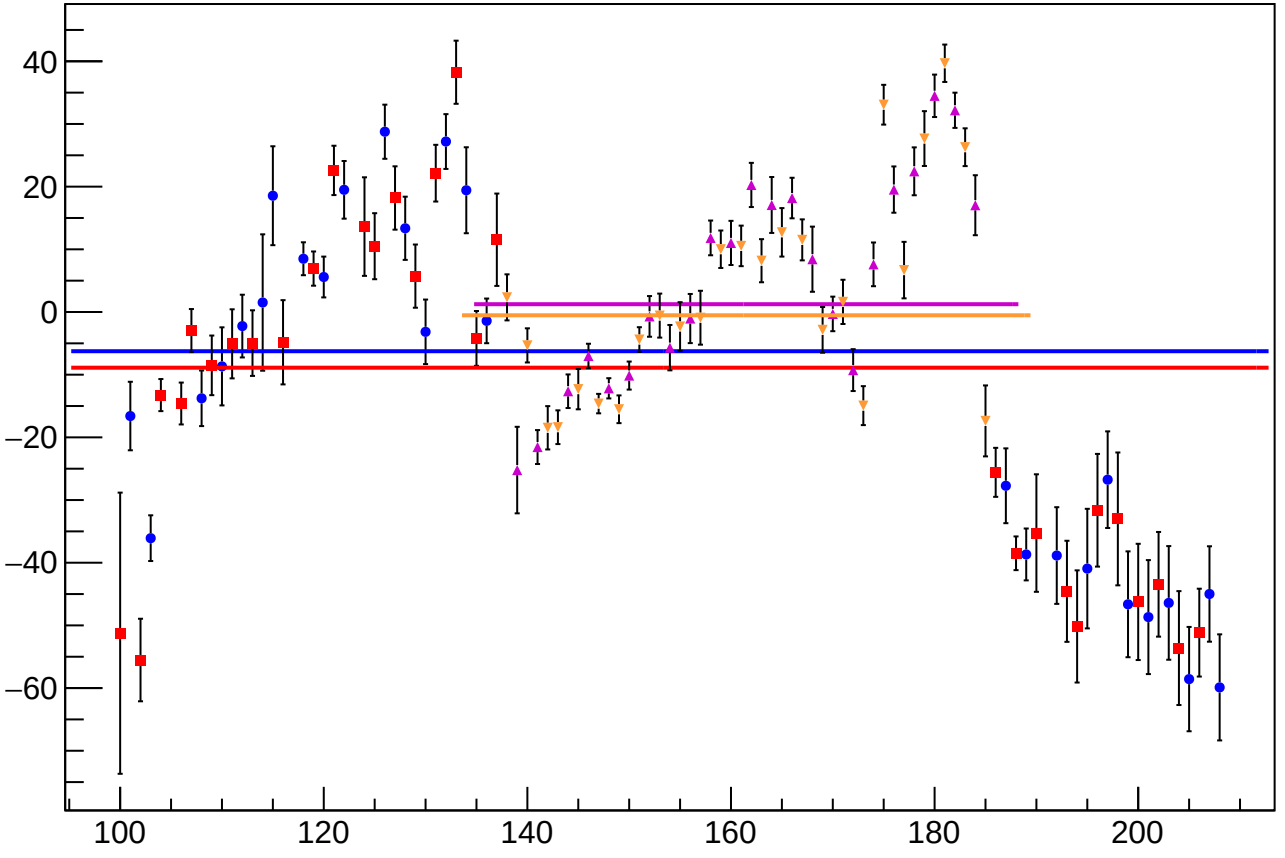
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 181.404+/-0.609 χ^2/NDF: 5237.8/51

All: 182.376+/-0.422 χ^2/NDF: 13832.8/104

- sign 183.270+/-0.584 χ^2/NDF: 8590.1/52

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -6.257+/-0.983 χ^2/NDF: 598.6/26

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -8.886+/-0.877 χ^2/NDF: 657.8/29

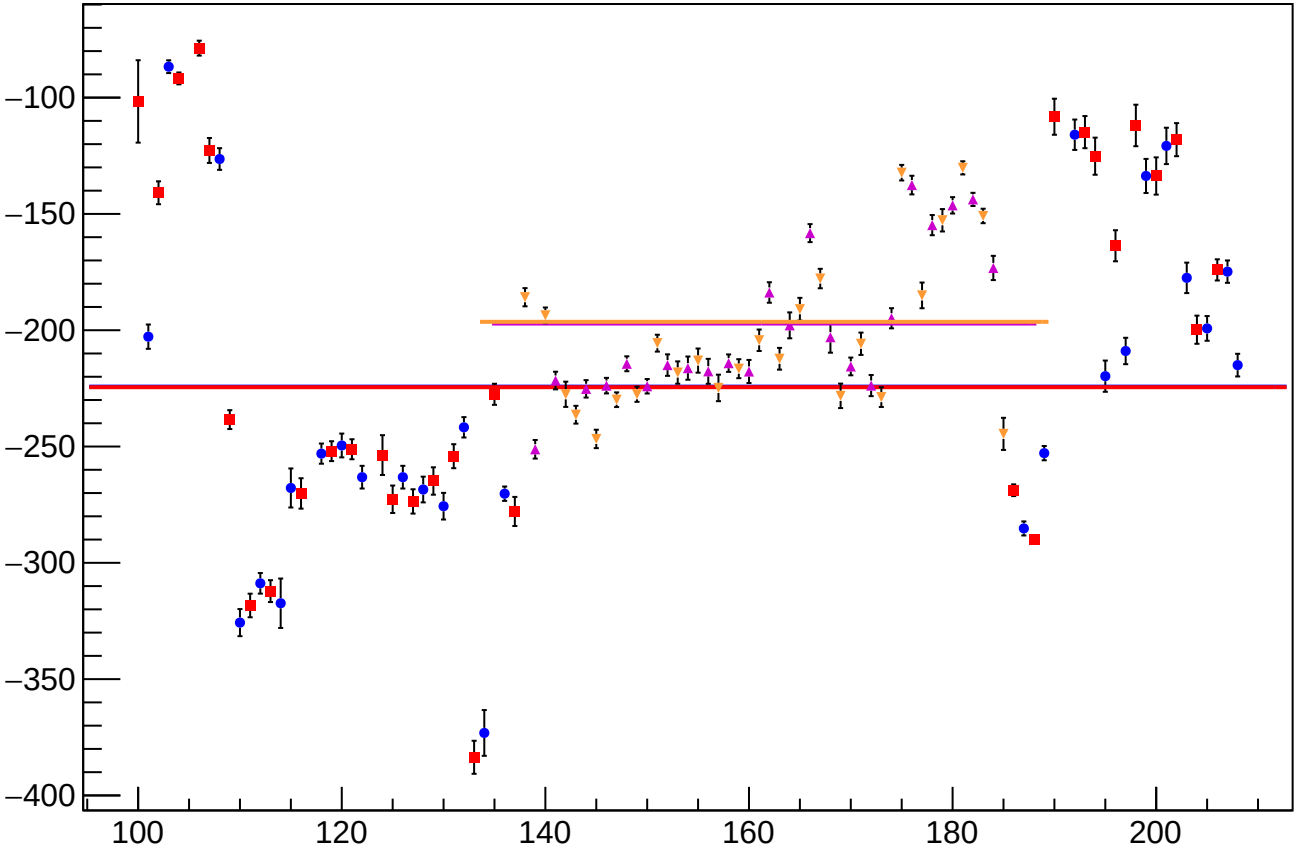
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

\+ sign -2.082+/-0.513 χ^2/NDF: 1347.8/51

All: -2.126+/-0.361 χ^2/NDF: 2714.6/104

\- sign -2.169+/-0.509 χ^2/NDF: 1366.7/52

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -224.254+/-0.915 χ^2/NDF: 5828.9/26

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -224.492+/-0.787 χ^2/NDF: 10552.7/29

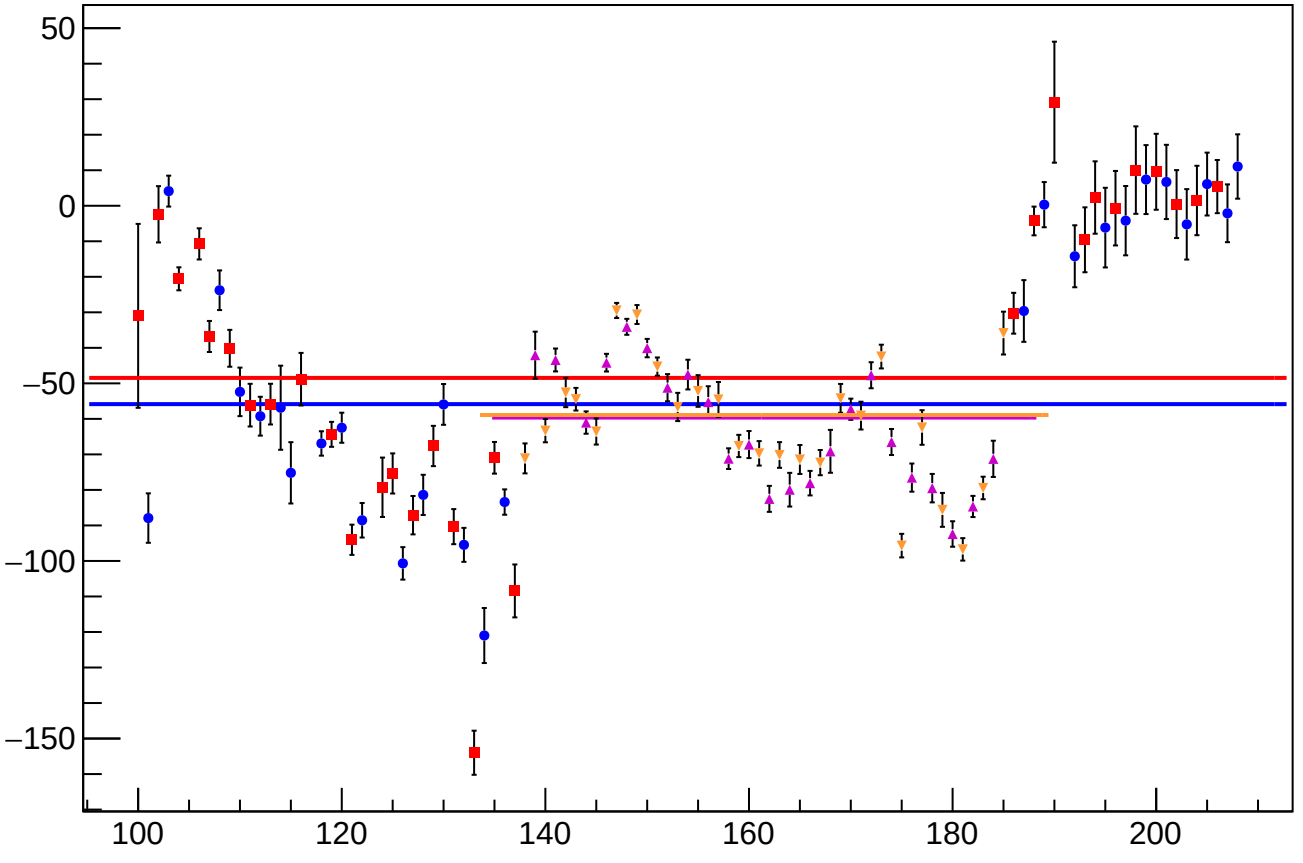
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -208.731+/-0.609 χ^2/NDF: 8344.0/51

All: -210.282+/-0.417 χ^2/NDF: 21078.1/104

- sign -211.657+/-0.573 χ^2/NDF: 12721.9/52

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -55.850+/-1.153 χ^2/NDF: 1032.1/26

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -48.463+/-1.058 χ^2/NDF: 1250.5/29

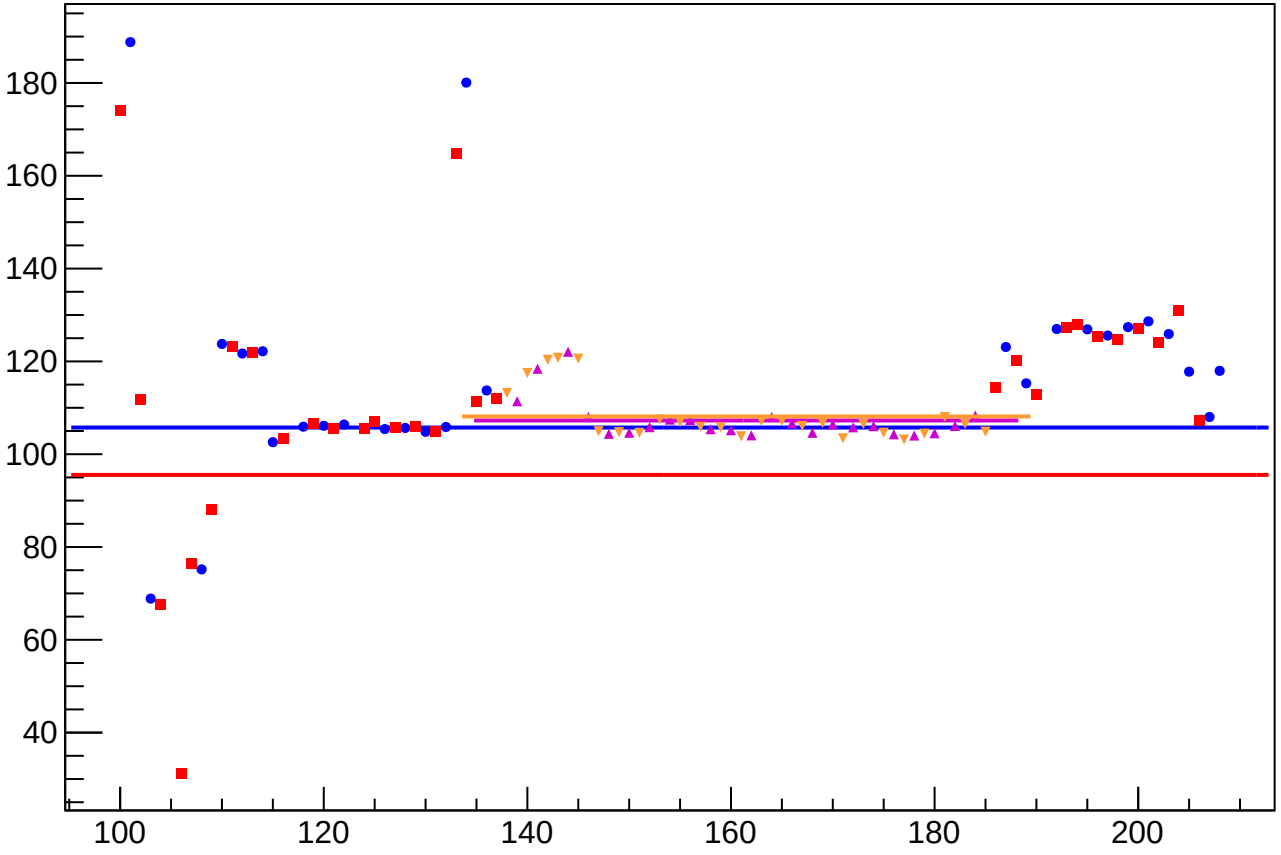
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -58.095+/-0.595 χ^2/NDF: 1819.8/51

All: -57.102+/-0.421 χ^2/NDF: 3749.2/104

- sign -56.112+/-0.594 χ^2/NDF: 1923.9/52

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 105.745+/-0.055 χ^2/NDF: 273417.4/26

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

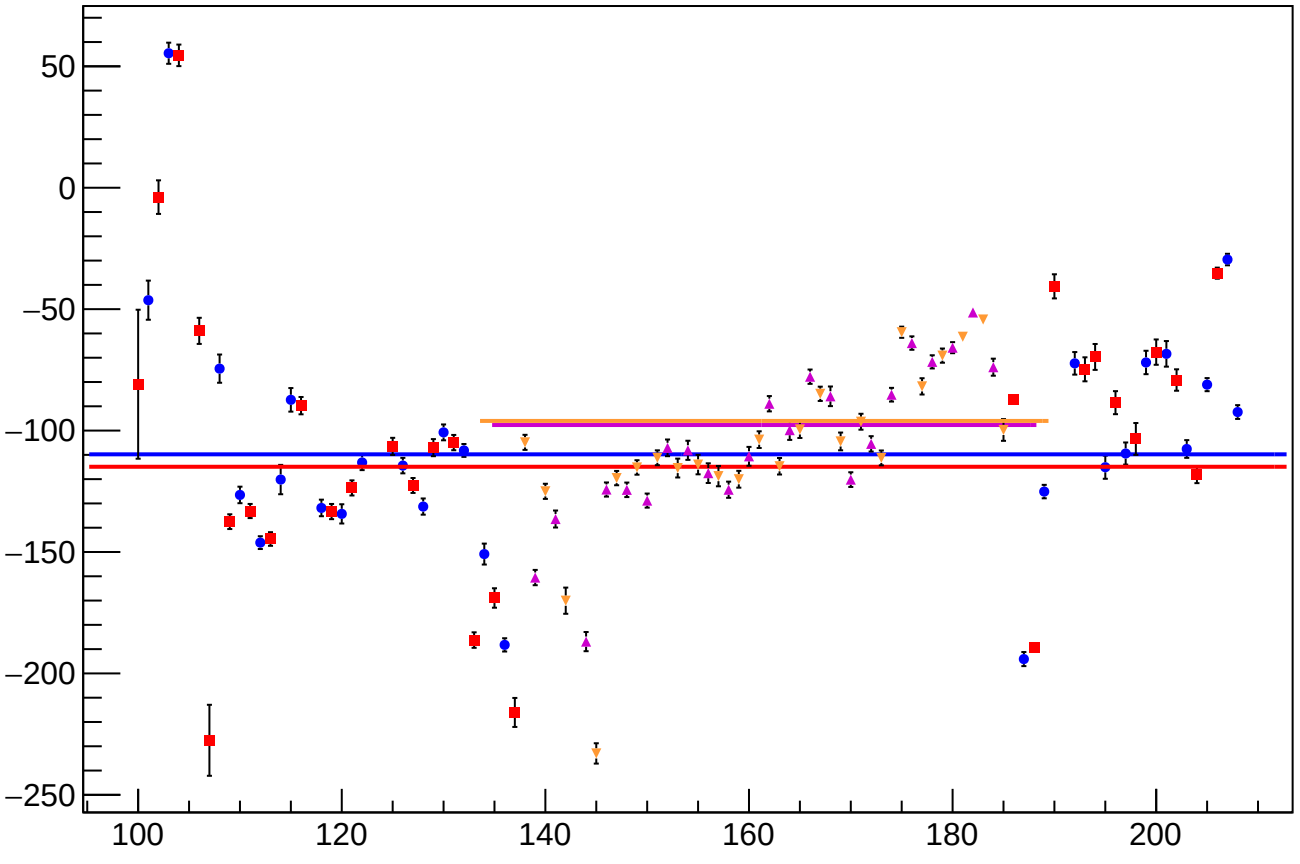
Right Out: 95.538+/-0.051 χ^2/NDF: 387074.8/29

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

\+ sign 107.518+/-0.028 χ^2/NDF: 301239.6/51

All: 105.651+/-0.020 χ^2/NDF: 751390.0/104

\- sign 103.829+/-0.028 χ^2/NDF: 441333.3/52



Right In: -109.780+/-0.668 χ^2/NDF: 5186.1/26

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

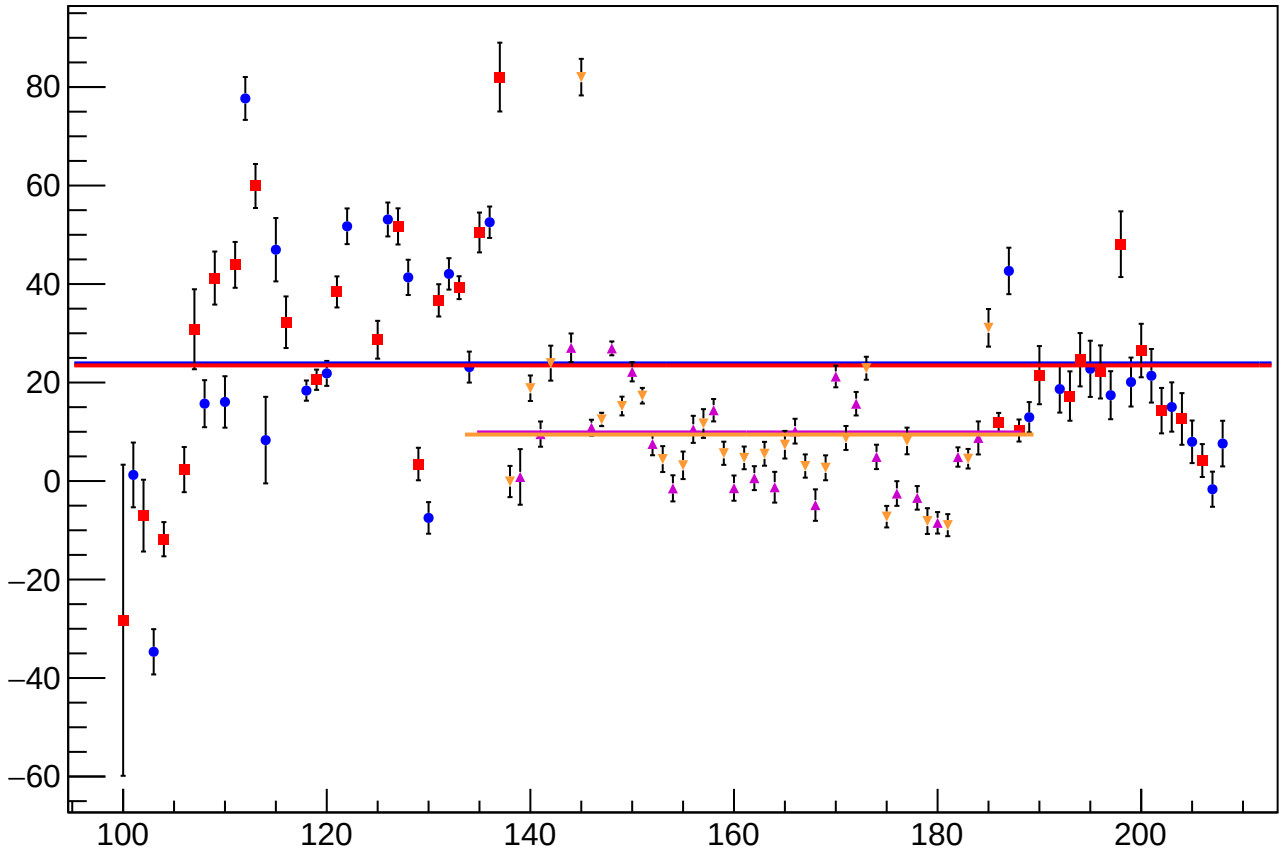
Right Out: -114.900+/-0.620 χ^2/NDF: 7311.5/28

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

\+ sign -102.554+/-0.460 χ^2/NDF: 8179.7/50

All: -104.625+/-0.320 χ^2/NDF: 18544.1/102

\- sign -106.559+/-0.445 χ^2/NDF: 10325.2/51



Right In: 23.884+/-0.740 χ^2/NDF: 832.4/26

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

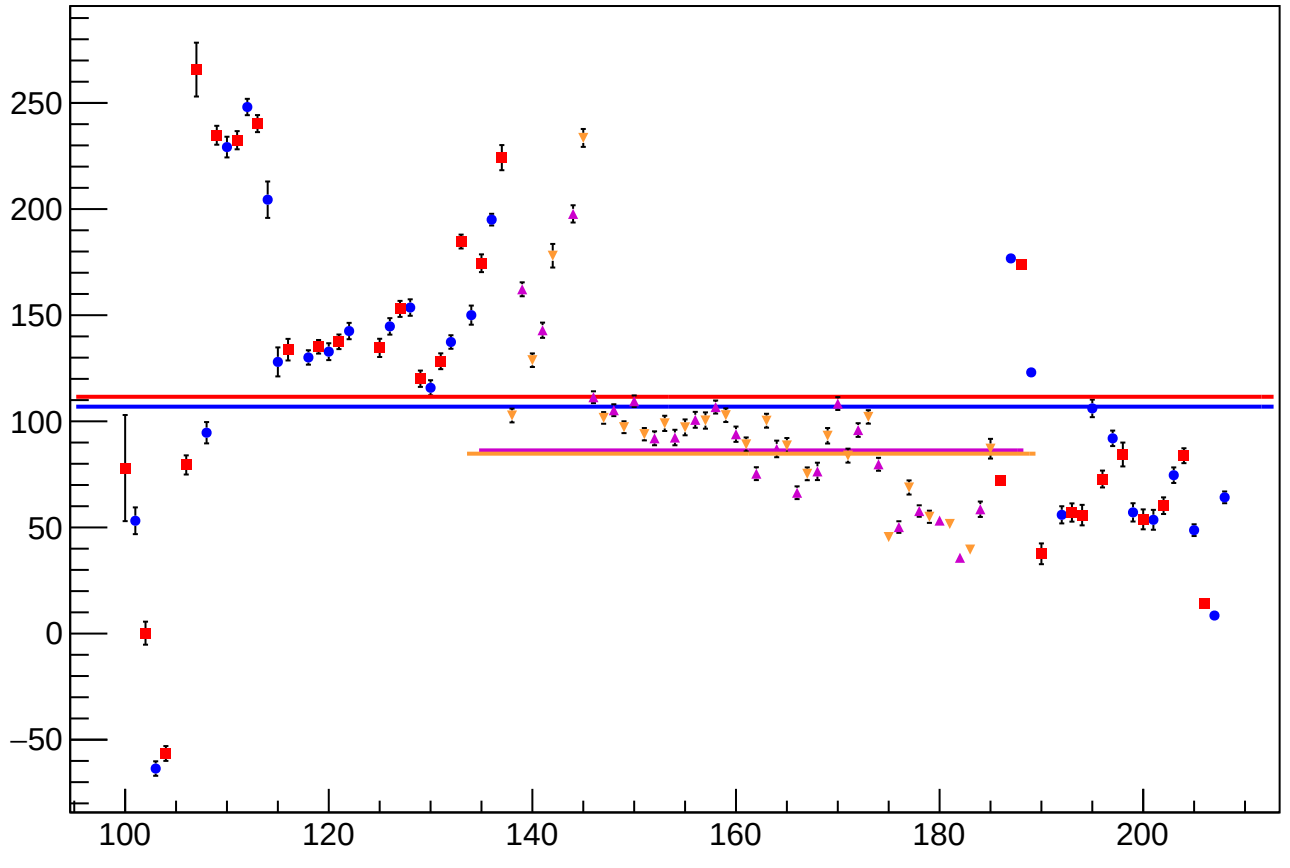
Right Out: 23.479+/-0.695 χ^2/NDF: 669.3/28

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

\+ sign 13.694+/-0.401 χ^2/NDF: 1837.8/50

All: 14.021+/-0.283 χ^2/NDF: 3251.3/102

\- sign 14.343+/-0.399 χ^2/NDF: 1412.2/51



Right In: 106.909+/-0.676 χ^2/NDF: 10310.0/26

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

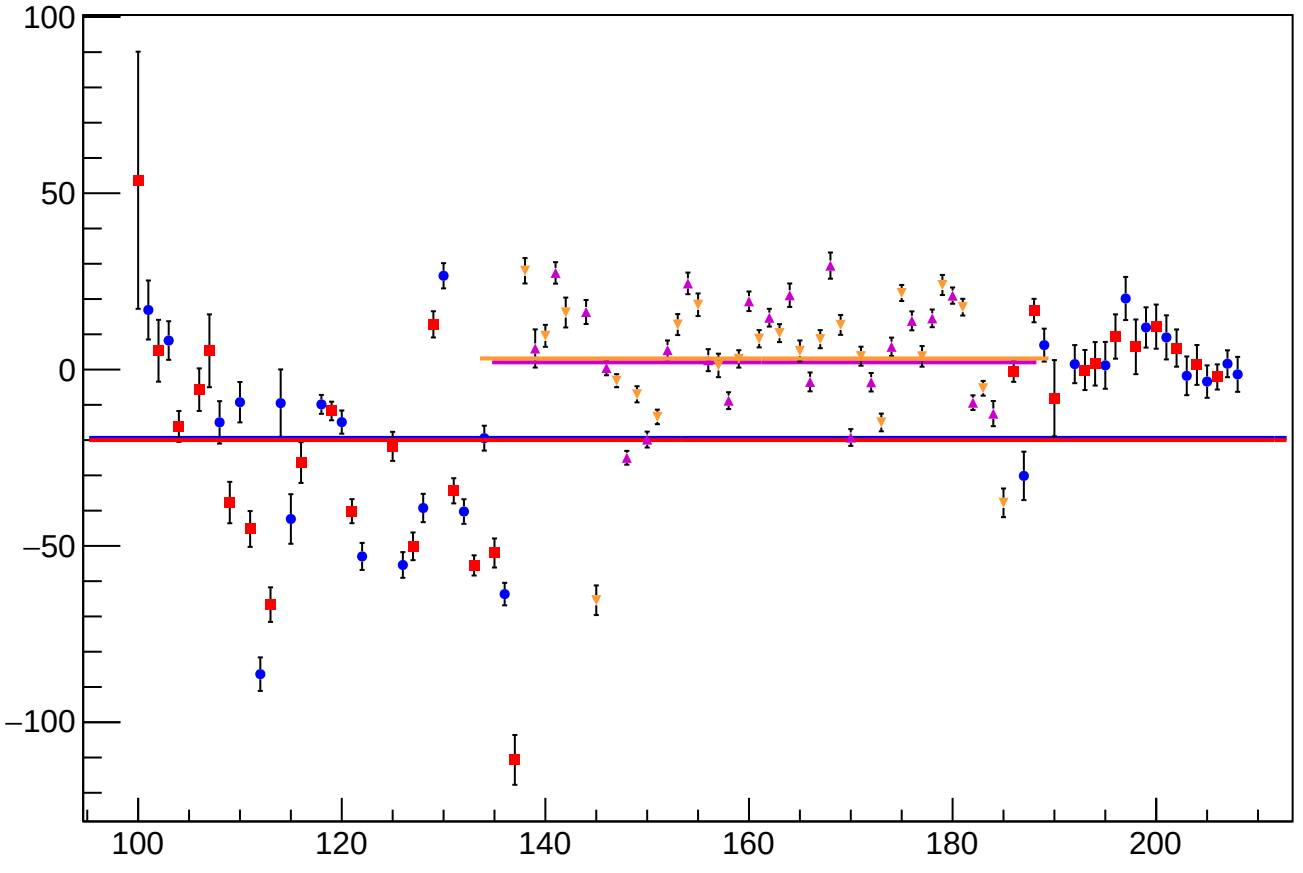
Right Out: 111.565+/-0.598 χ^2/NDF: 13099.4/28

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 95.033+/-0.461 χ^2/NDF: 13995.4/50

All: 97.466+/-0.316 χ^2/NDF: 31143.7/102

\- sign 99.628+/-0.434 χ^2/NDF: 17095.7/51



Right In: -19.377+/-0.860 χ^2/NDF: 1082.5/26

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

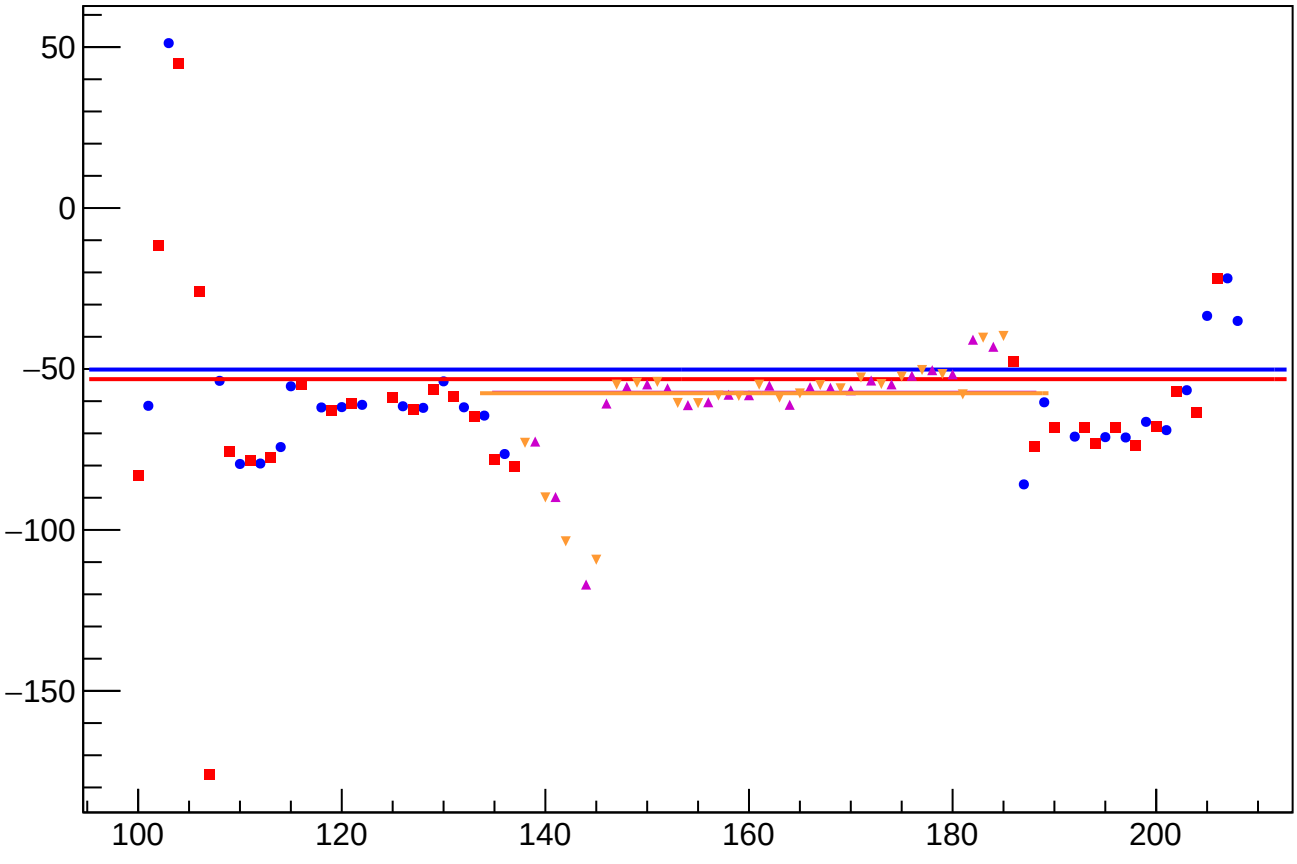
Right Out: -19.992+/-0.836 χ^2/NDF: 1042.2/28

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

\+ sign -3.288+/-0.460 χ^2/NDF: 2387.1/50

All: -3.953+/-0.325 χ^2/NDF: 4768.5/102

\- sign -4.620+/-0.460 χ^2/NDF: 2377.3/51



Right In: -50.177+/-0.041 χ^2/NDF: 703456.1/26

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

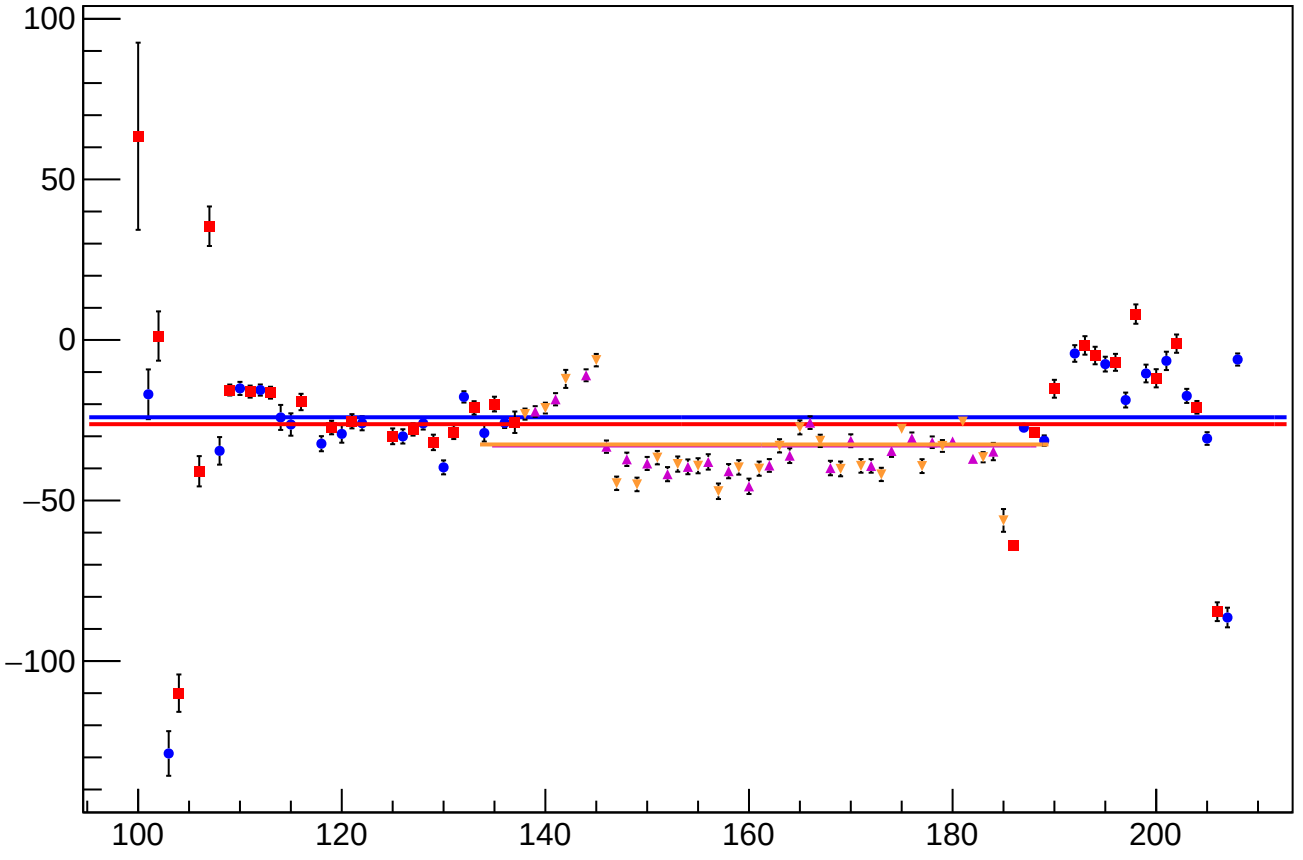
Right Out: -53.160+/-0.042 χ^2/NDF: 619637.6/28

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -55.591+/-0.021 χ^2/NDF: 993760.5/50

All: -55.933+/-0.015 χ^2/NDF: 1848627.2/102

- sign -56.276+/-0.021 χ^2/NDF: 854348.4/51



Right In: -24.076+/-0.432 χ^2/NDF: 1099.9/26

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

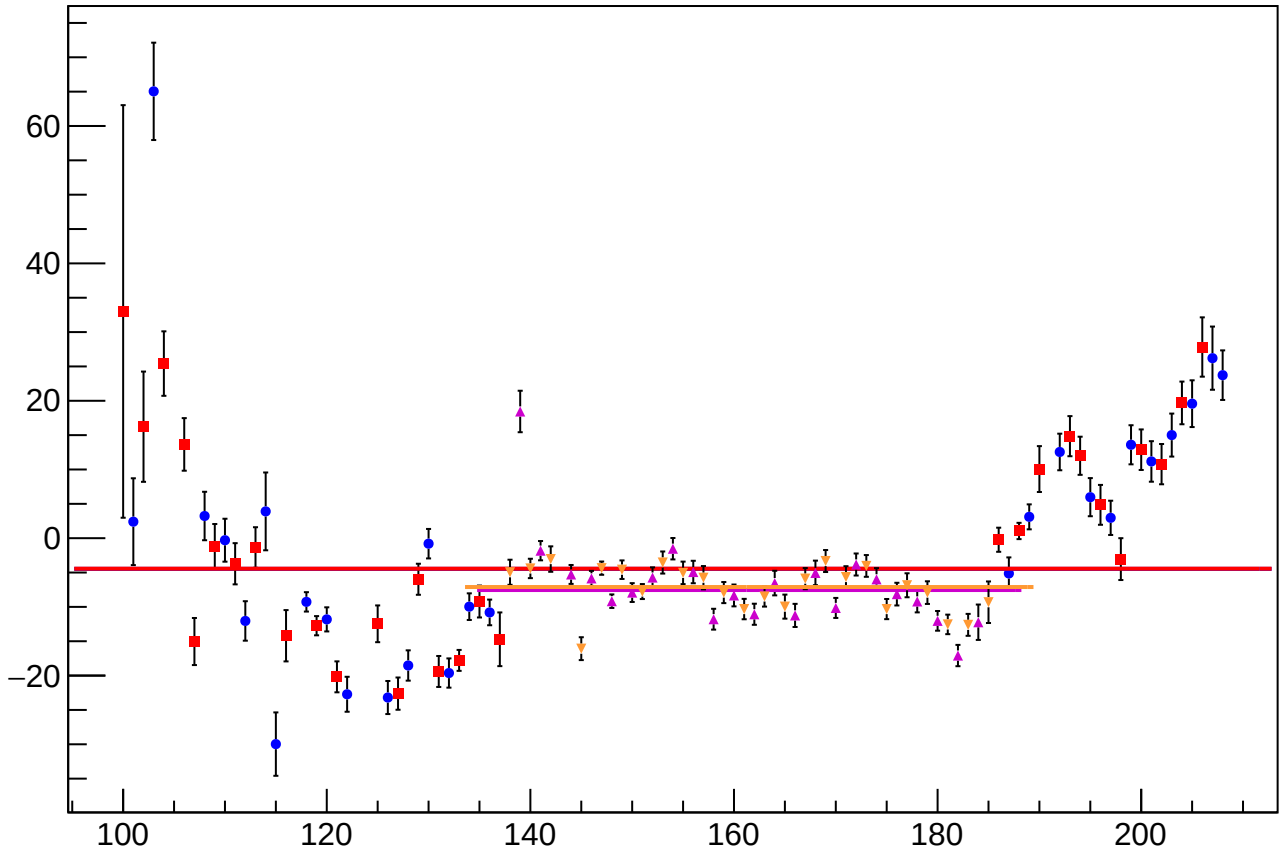
Right Out: -26.230+/-0.405 χ^2/NDF: 2027.3/28

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

+ sign -28.566+/-0.296 χ^2/NDF: 1907.6/50

All: -29.042+/-0.207 χ^2/NDF: 4445.5/102

- sign -29.494+/-0.288 χ^2/NDF: 2532.9/51



Right In: -4.467+/-0.485 χ^2/NDF: 742.7/26

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

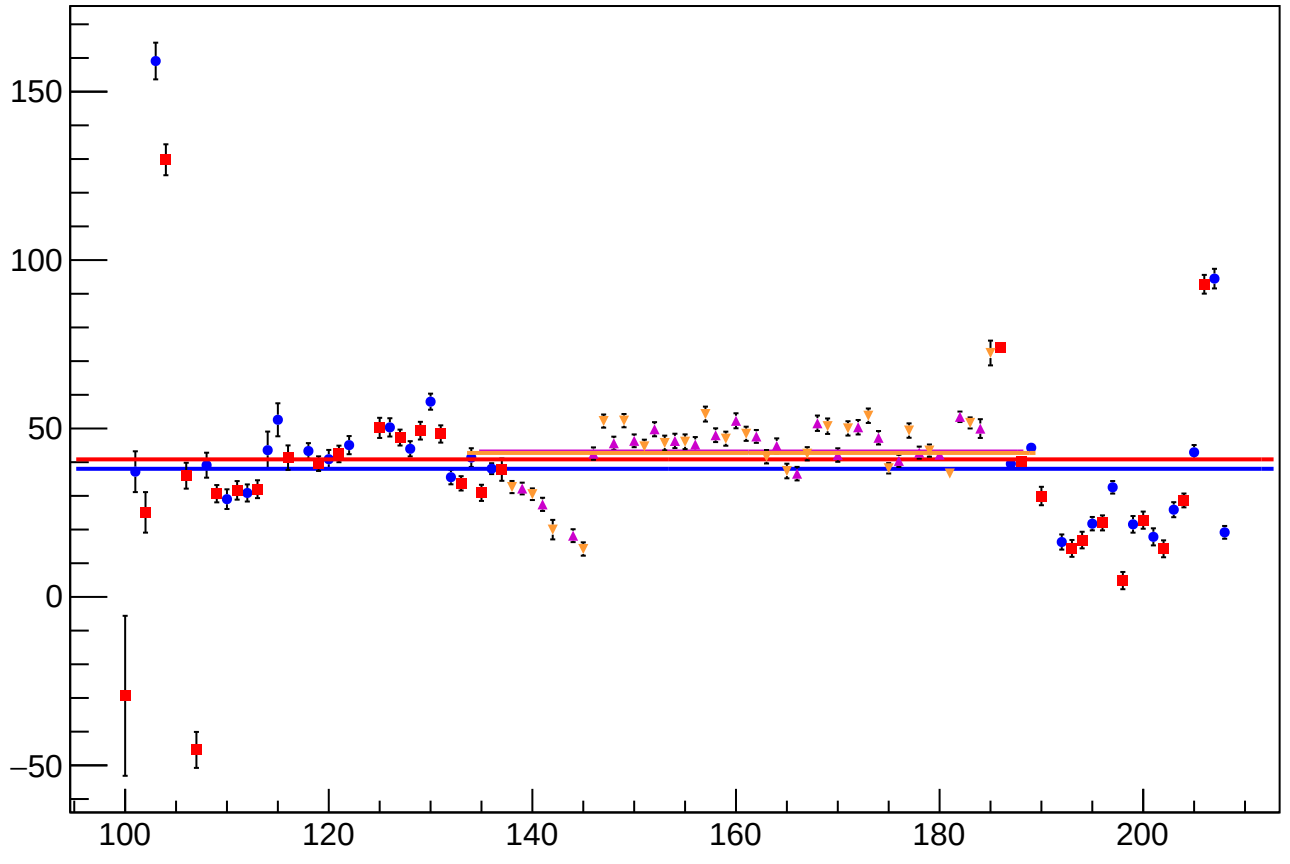
Right Out: -4.440+/-0.461 χ^2/NDF: 688.0/28

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -6.347+/-0.261 χ^2/NDF: 873.3/50

All: -6.452+/-0.184 χ^2/NDF: 1792.3/102

- sign -6.558+/-0.260 χ^2/NDF: 918.7/51



Right In: 38.034+/-0.434 χ^2/NDF: 1444.0/26

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

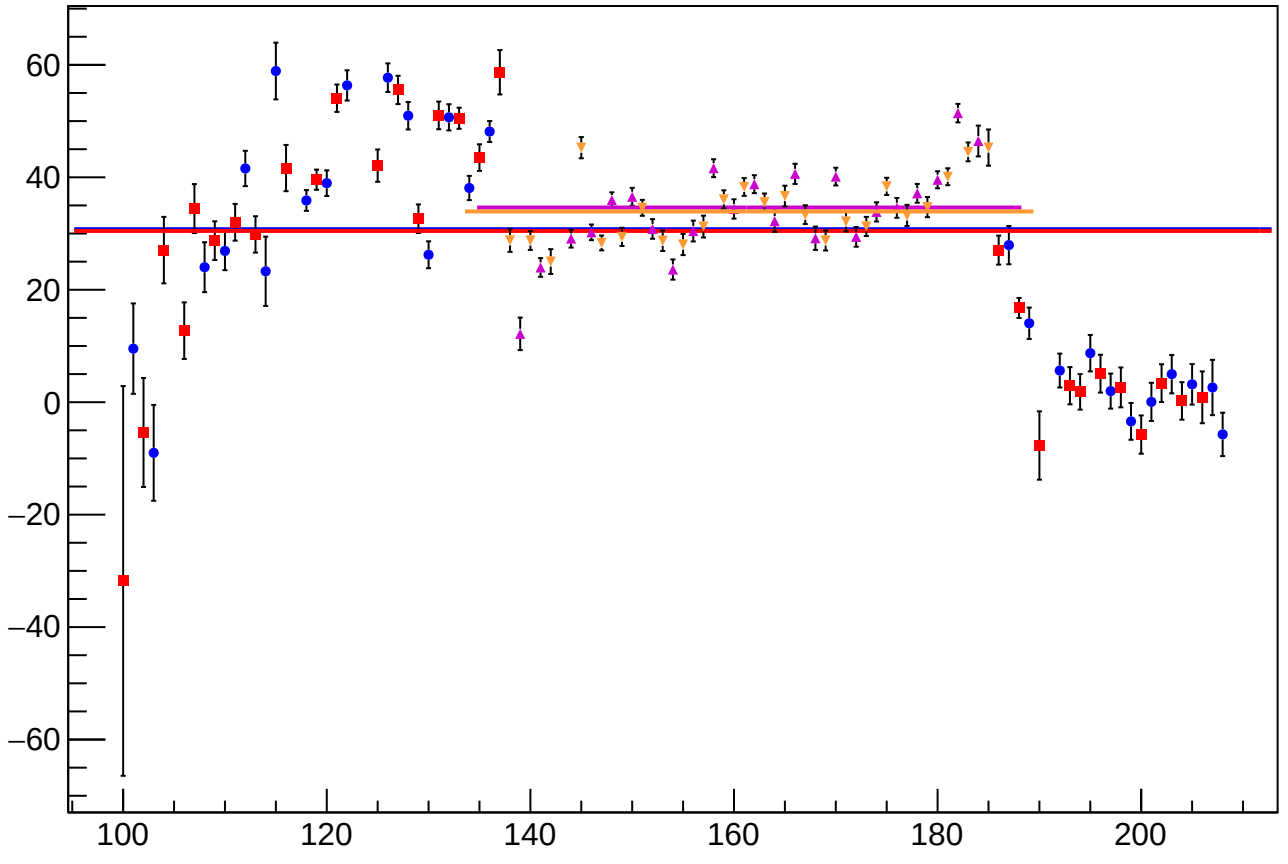
Right Out: 40.838+/-0.390 χ^2/NDF: 2663.2/28

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 40.561+/-0.295 χ^2/NDF: 2138.8/50

All: 41.290+/-0.204 χ^2/NDF: 5243.7/102

- sign 41.954+/-0.282 χ^2/NDF: 3093.3/51



Right In: 30.768+/-0.567 χ^2/NDF: 1209.7/26

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

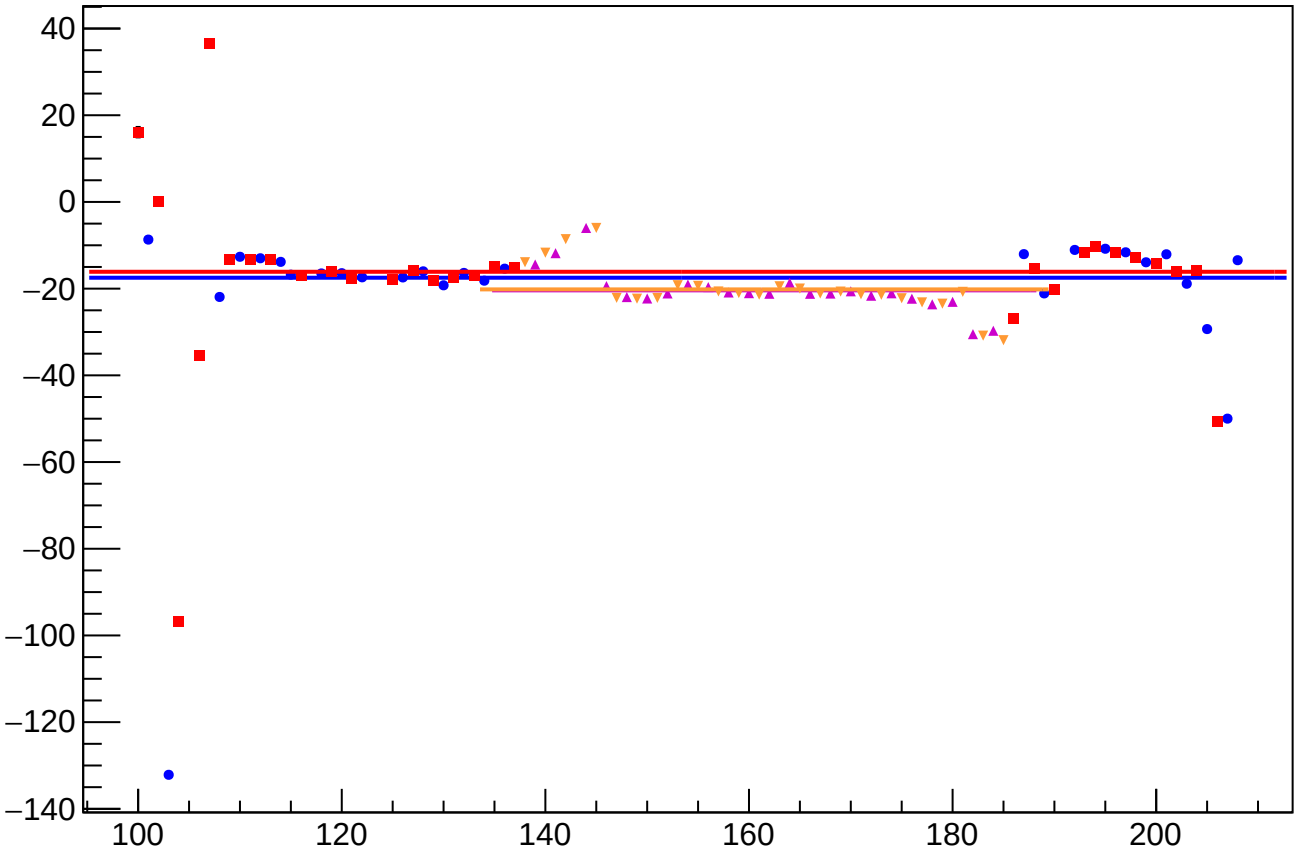
Right Out: 30.466+/-0.556 χ^2/NDF: 1211.9/28

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

\+ sign 33.054+/-0.298 χ^2/NDF: 1448.7/50

All: 33.233+/-0.211 χ^2/NDF: 3077.0/102

\- sign 33.413+/-0.300 χ^2/NDF: 1627.6/51



Right In: -17.482+/-0.027 χ^2/NDF: 304339.7/26

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -16.109+/-0.027 χ^2/NDF: 256756.7/28

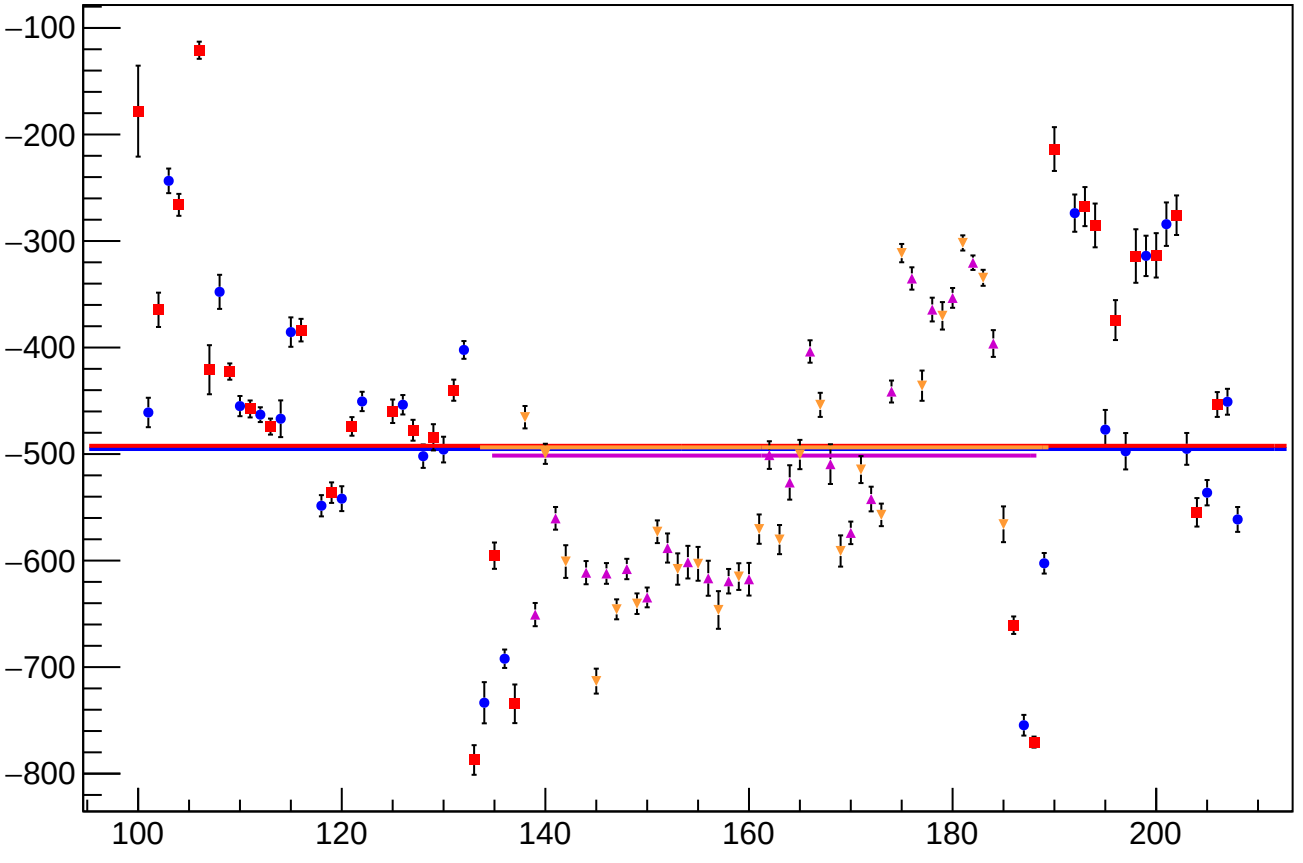
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.503+/-0.014 χ^2/NDF: 411547.1/50

All: -19.406+/-0.010 χ^2/NDF: 768268.6/102

- sign -19.309+/-0.014 χ^2/NDF: 356620.9/51

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -495.255+/-2.203 χ^2/NDF: 2811.5/26

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

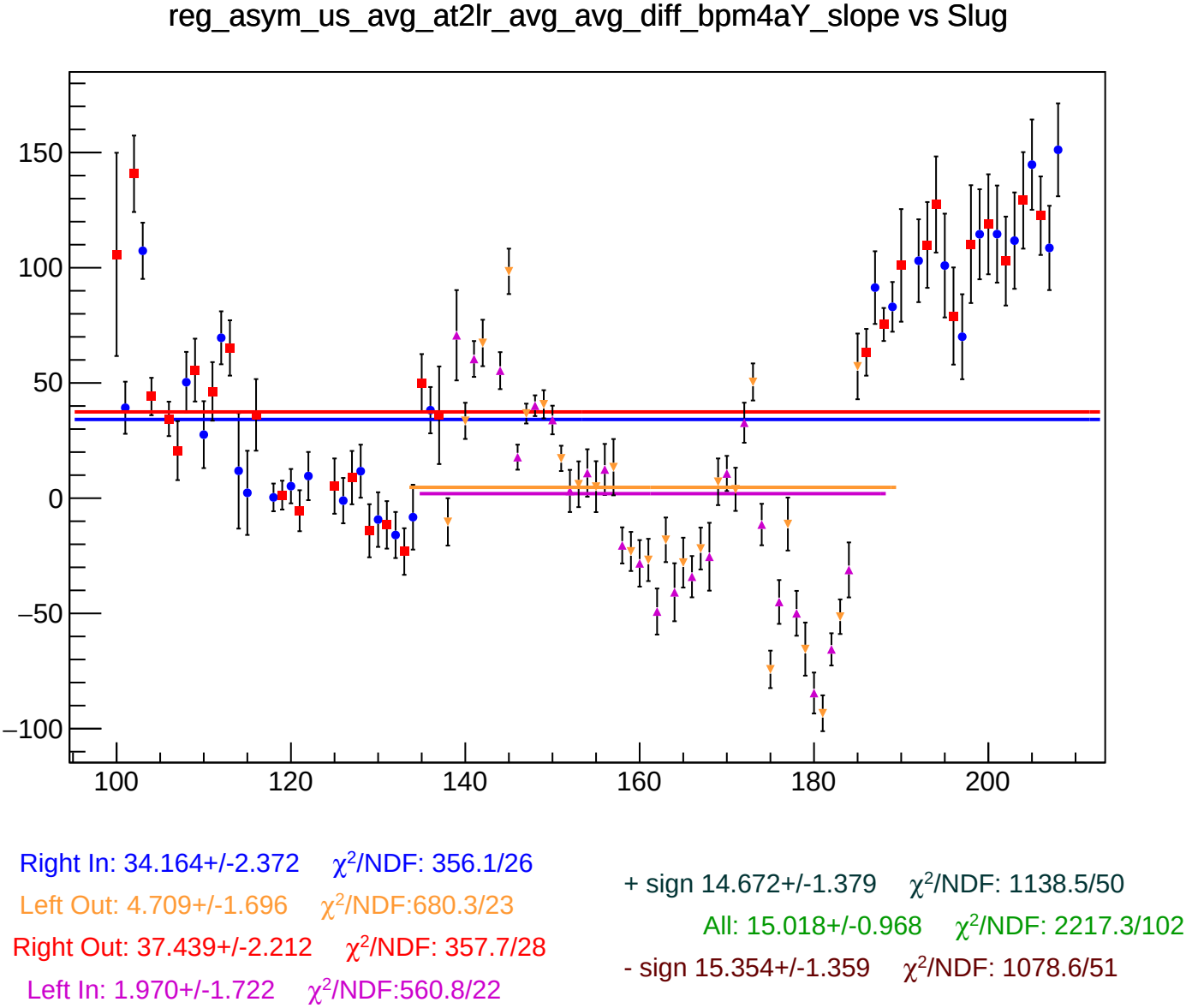
Right Out: -492.250+/-2.011 χ^2/NDF: 7802.5/28

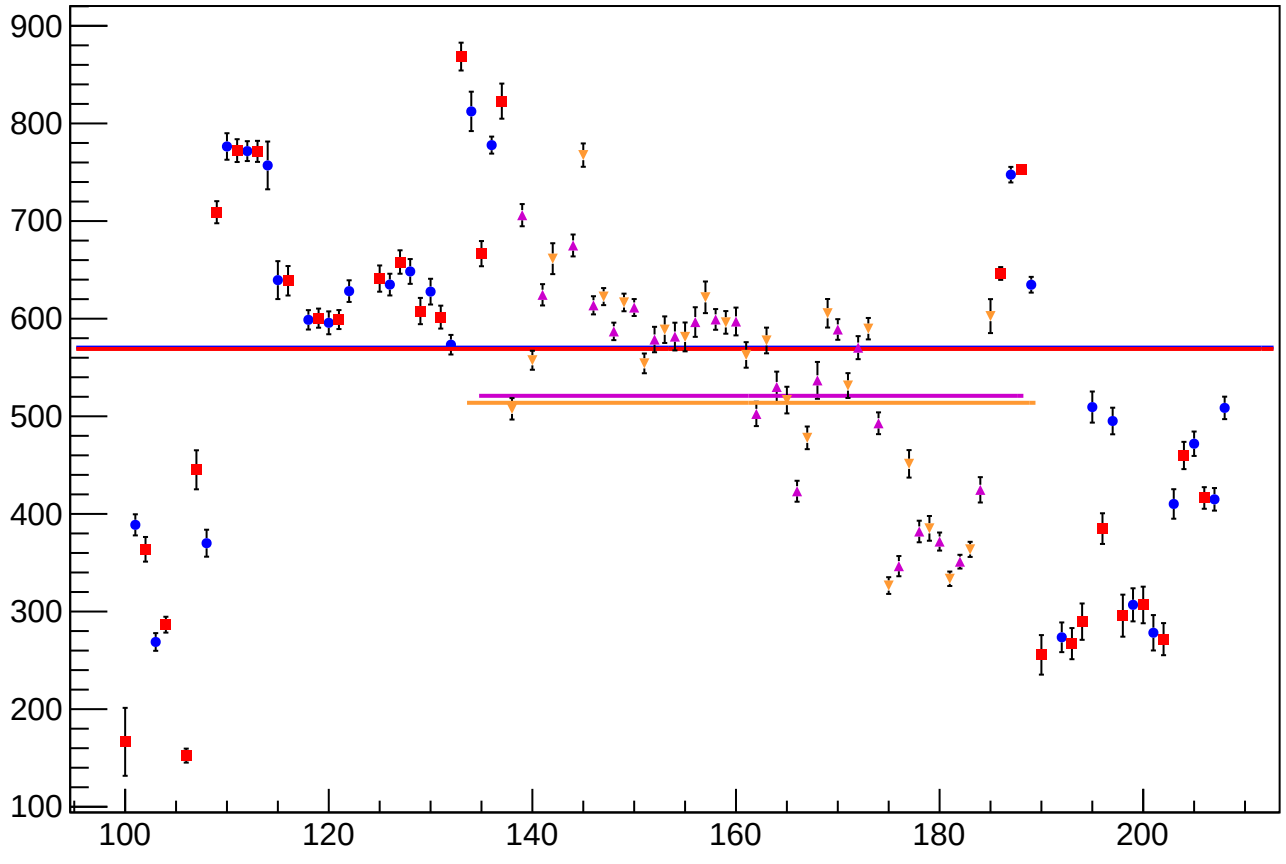
Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -494.520+/-1.589 χ^2/NDF: 5961.7/50

All: -495.406+/-1.097 χ^2/NDF: 16463.2/102

- sign -496.212+/-1.516 χ^2/NDF: 10500.8/51


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 34.164+/-2.372 χ²/NDF: 356.1/26
Left Out: 4.709+/-1.696 χ²/NDF:680.3/23
Right Out: 37.439+/-2.212 χ²/NDF: 357.7/28
Left In: 1.970+/-1.722 χ²/NDF:560.8/22
+ sign 14.672+/-1.379 χ²/NDF: 1138.5/50
All: 15.018+/-0.968 χ²/NDF: 2217.3/102
- sign 15.354+/-1.359 χ²/NDF: 1078.6/51



Right In: 570.359+/-2.273 χ^2/NDF: 5000.8/26

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

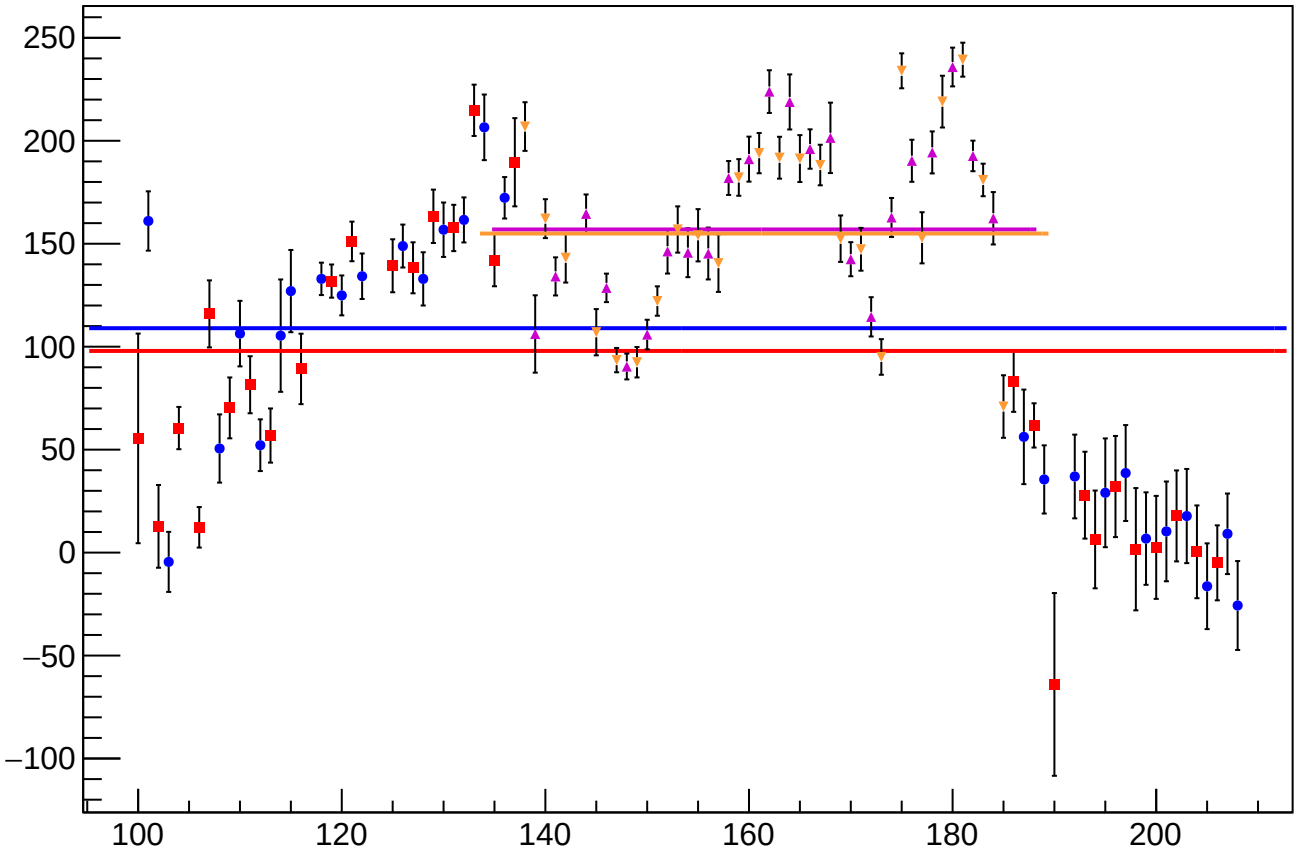
Right Out: 568.991+/-2.002 χ^2/NDF: 10666.9/28

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 542.146+/-1.609 χ^2/NDF: 8045.0/50

All: 545.333+/-1.099 χ^2/NDF: 21411.9/102

- sign 548.124+/-1.505 χ^2/NDF: 13359.5/51



Right In: 108.983+/-2.781 χ^2/NDF: 466.2/26

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

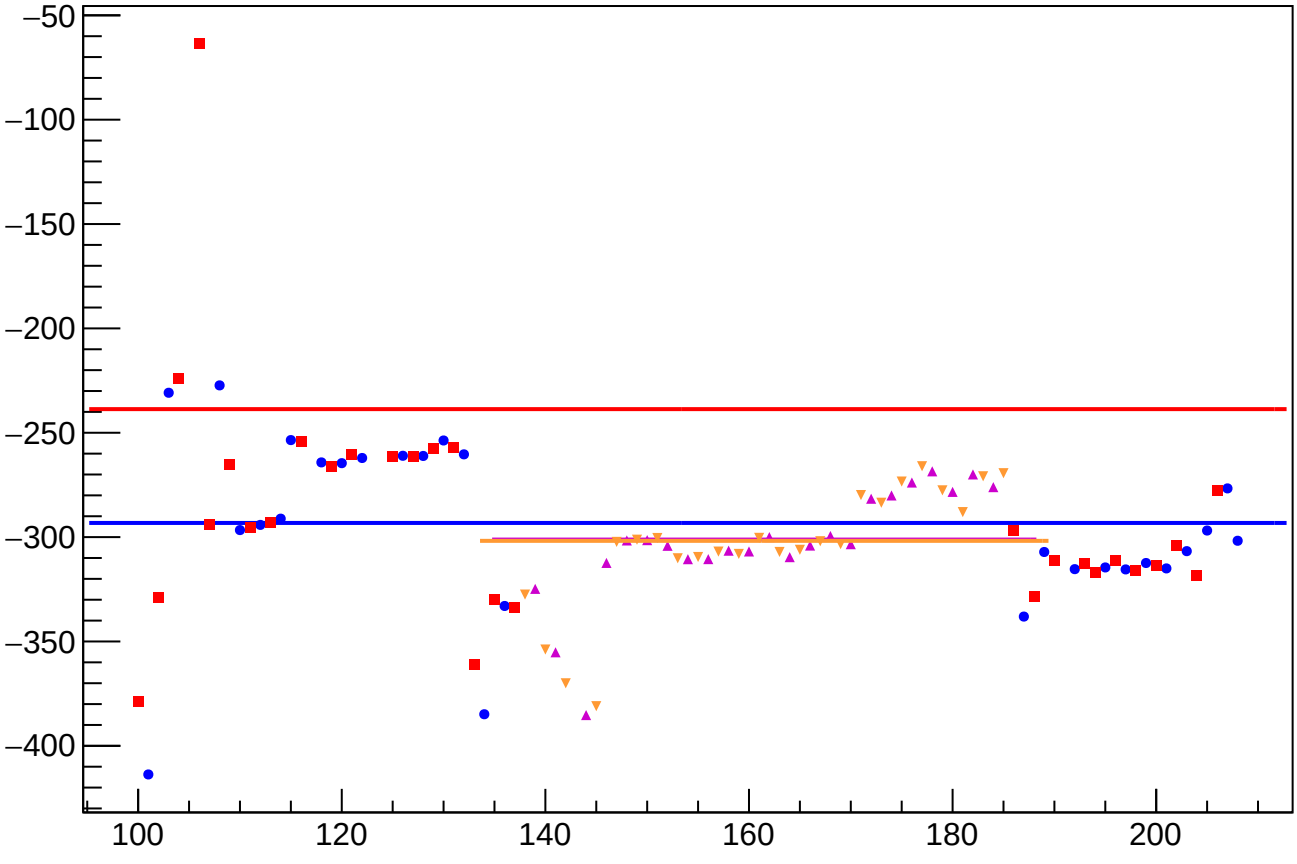
Right Out: 97.939+/-2.654 χ^2/NDF: 512.8/28

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 139.765+/-1.598 χ^2/NDF: 1258.0/50

All: 137.842+/-1.125 χ^2/NDF: 2535.4/102

- sign 135.957+/-1.582 χ^2/NDF: 1274.5/51



Right In: -293.209+/-0.142 χ^2/NDF: 113611.6/26

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -238.676+/-0.124 χ^2/NDF: 682996.6/28

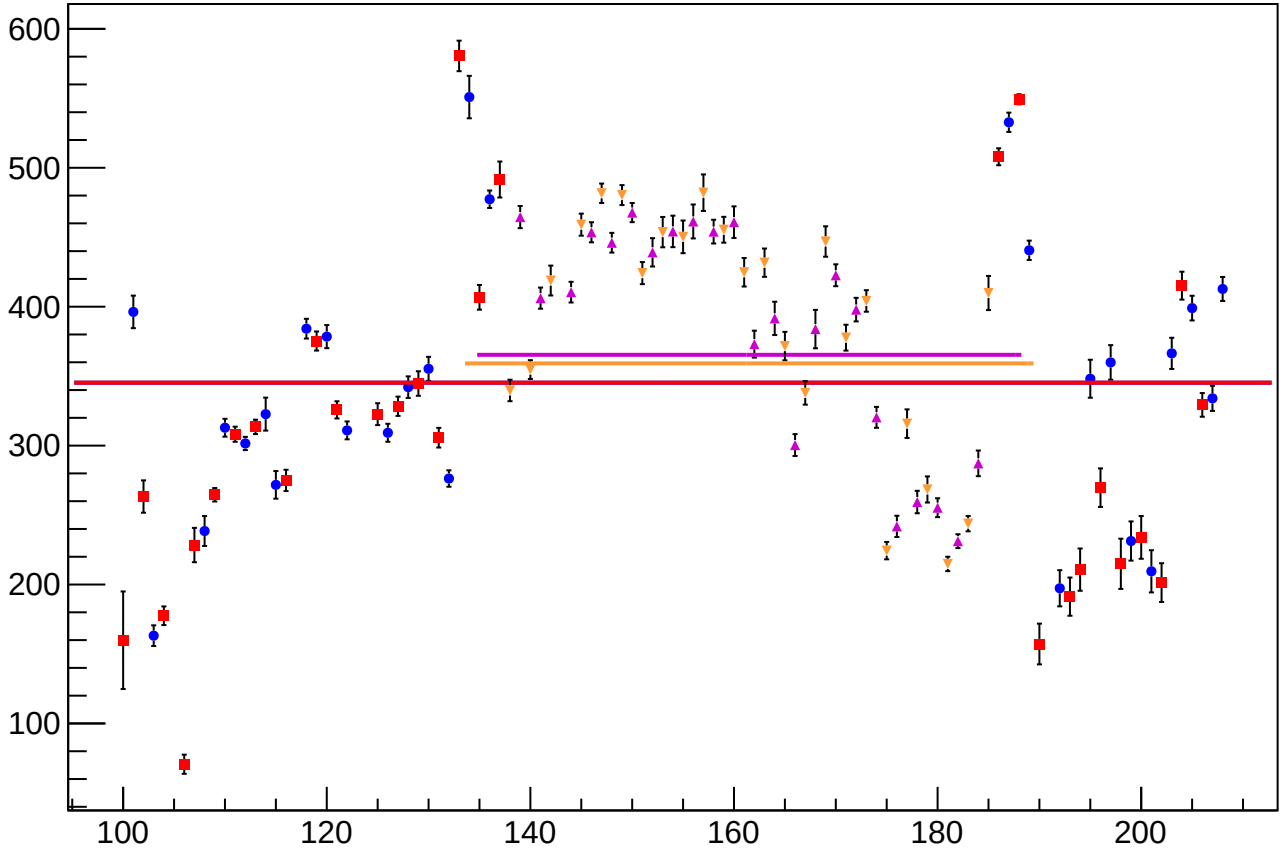
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -299.292+/-0.076 χ^2/NDF: 202925.0/50

All: -289.045+/-0.053 χ^2/NDF: 1161047.2/10

- sign -279.718+/-0.073 χ^2/NDF: 923814.2/51

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 345.296+/-1.572 χ^2/NDF: 3046.4/26

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

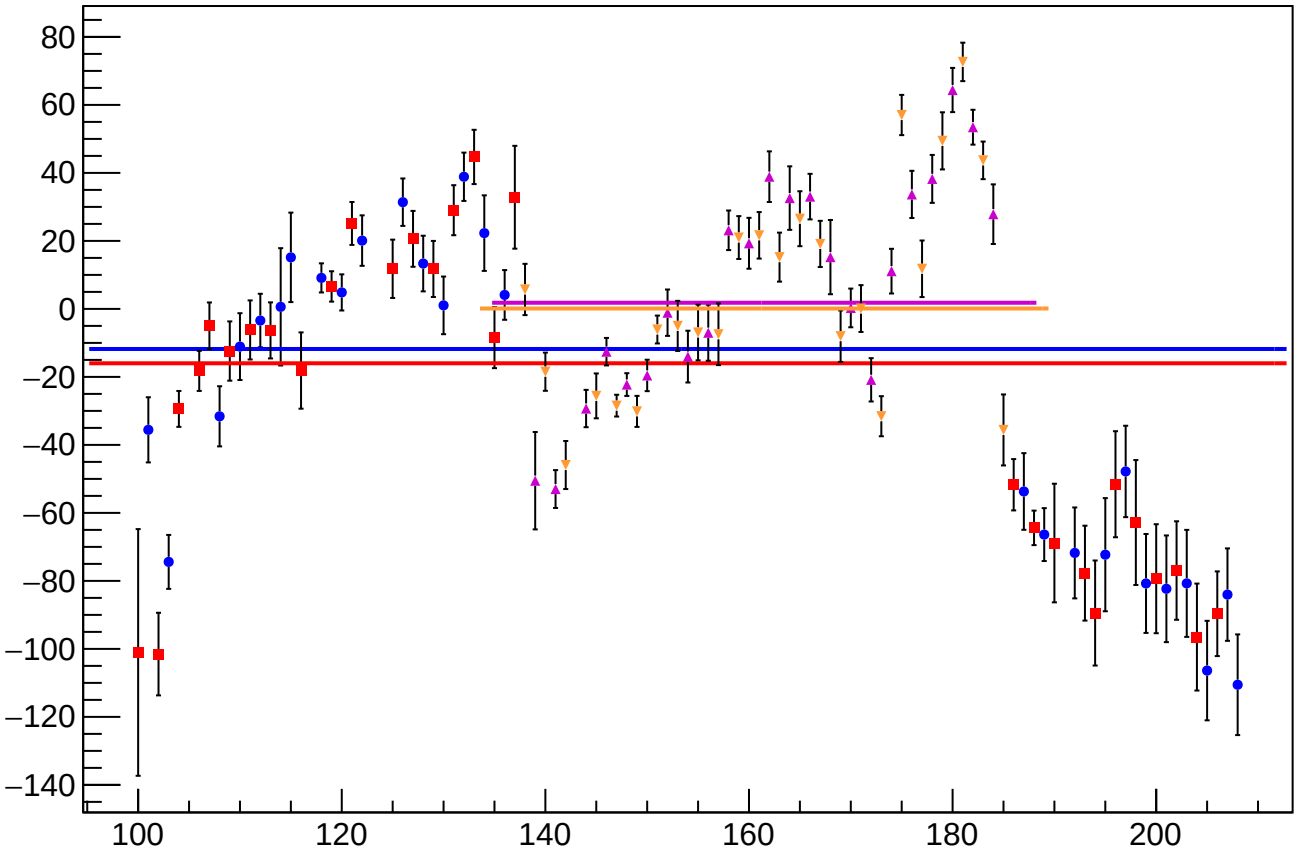
Right Out: 345.327+/-1.429 χ^2/NDF: 8029.6/28

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 351.775+/-1.148 χ^2/NDF: 6270.7/50

All: 352.767+/-0.791 χ^2/NDF: 17123.1/102

- sign 353.664+/-1.092 χ^2/NDF: 10850.9/51



Right In: -11.789+/-1.700 χ^2/NDF: 526.4/26

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

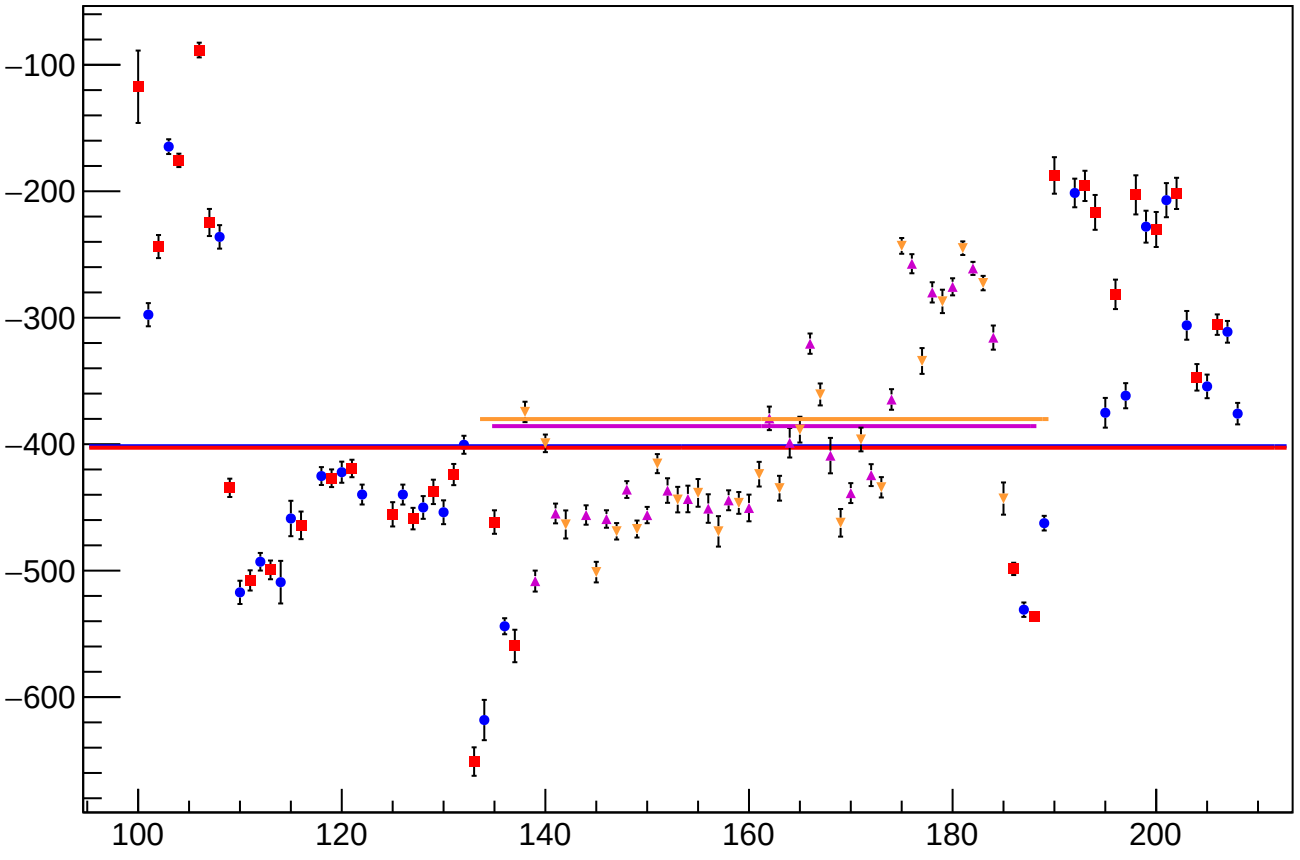
Right Out: -15.992+/-1.568 χ^2/NDF: 554.2/28

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

\+ sign -4.048+/-1.005 χ^2/NDF: 1196.2/50

All: -4.647+/-0.704 χ^2/NDF: 2406.2/102

\- sign -5.222+/-0.985 χ^2/NDF: 1209.2/51



Right In: -401.602+/-1.629 χ^2/NDF: 4861.7/26

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

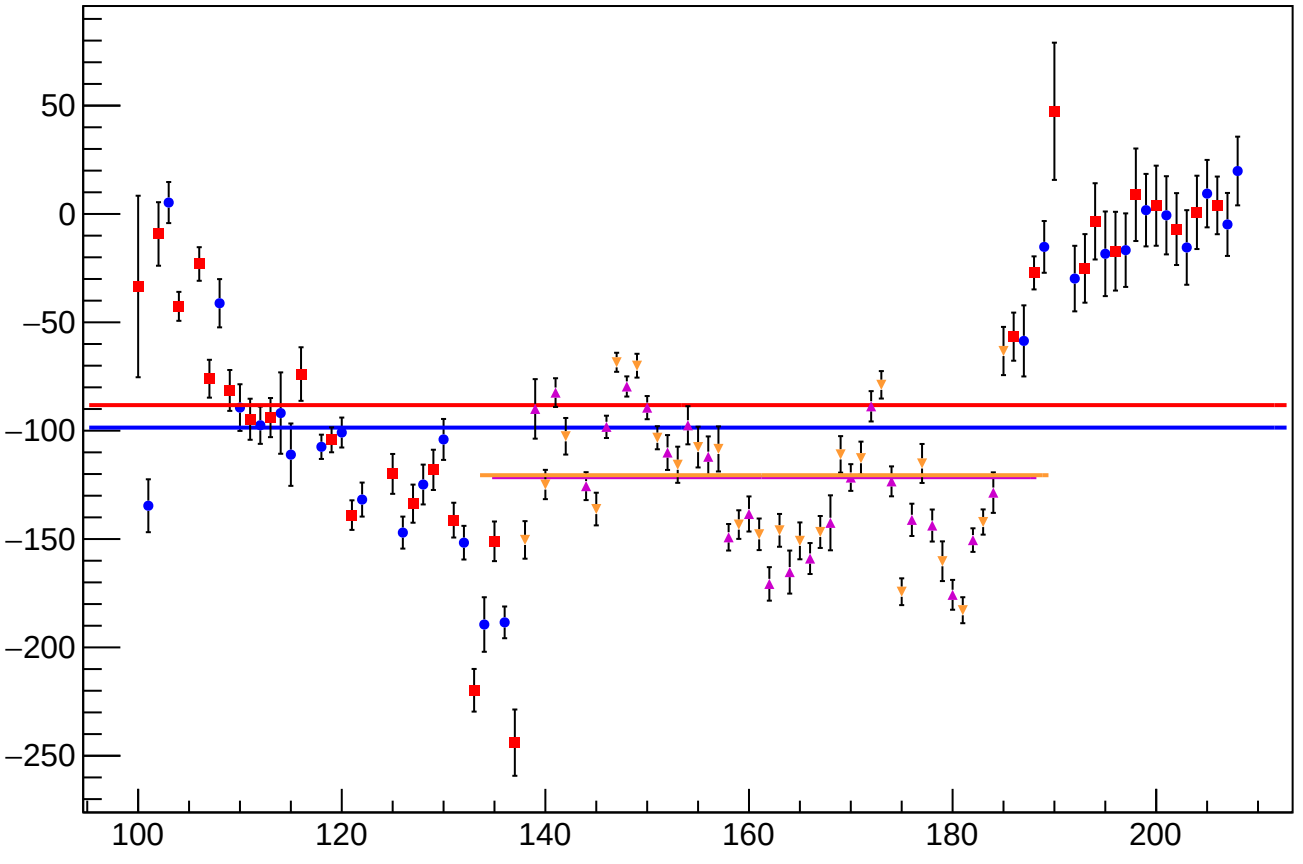
Right Out: -402.800+/-1.431 χ^2/NDF: 10653.9/28

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -391.134+/-1.166 χ^2/NDF: 7564.9/50

All: -393.524+/-0.796 χ^2/NDF: 20647.9/102

- sign -395.606+/-1.088 χ^2/NDF: 13075.1/51



Right In: -98.578+/-1.993 χ^2/NDF: 828.3/26

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

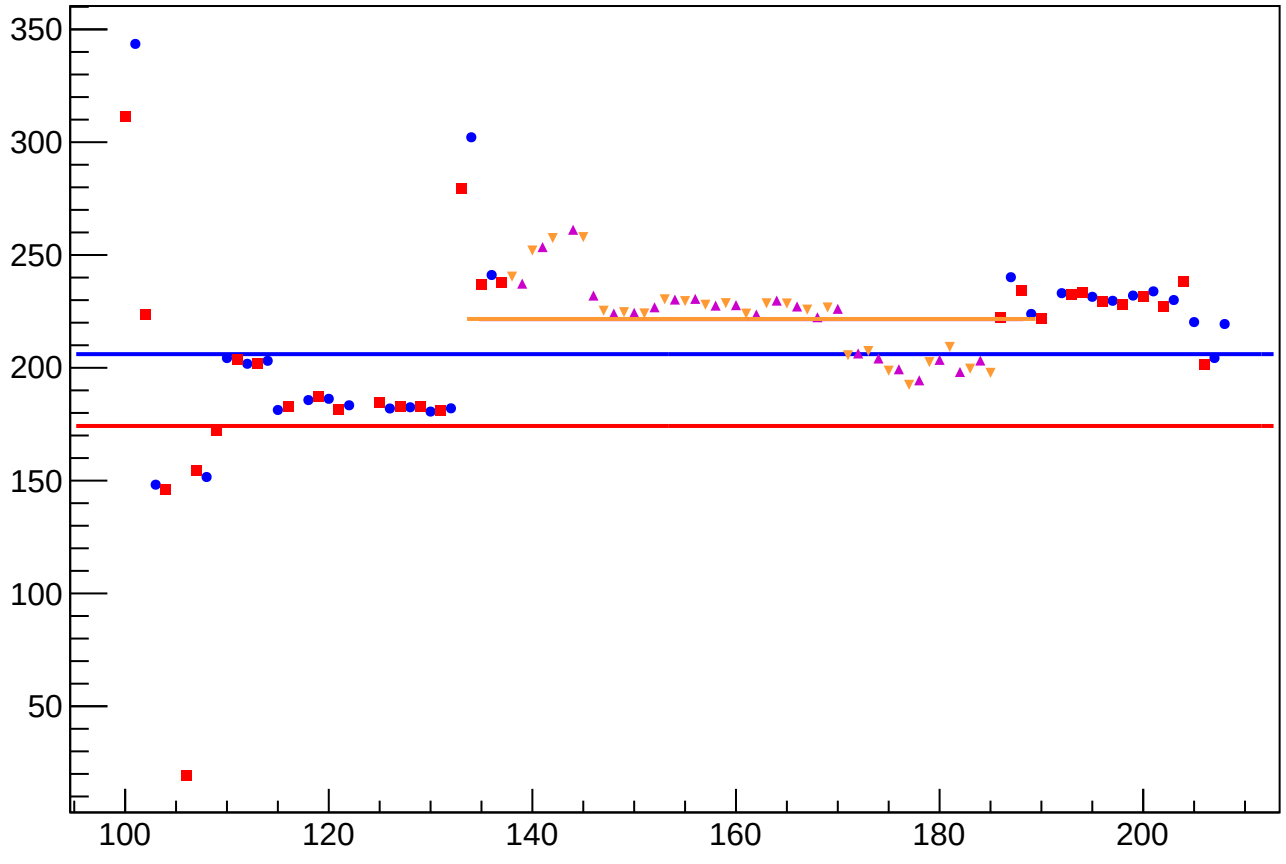
Right Out: -88.205+/-1.879 χ^2/NDF: 927.9/28

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -113.041+/-1.165 χ^2/NDF: 1519.8/50

All: -111.015+/-0.818 χ^2/NDF: 3082.6/102

- sign -109.047+/-1.148 χ^2/NDF: 1556.8/51



Right In: 206.060+/-0.101 χ^2/NDF: 201564.0/26

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

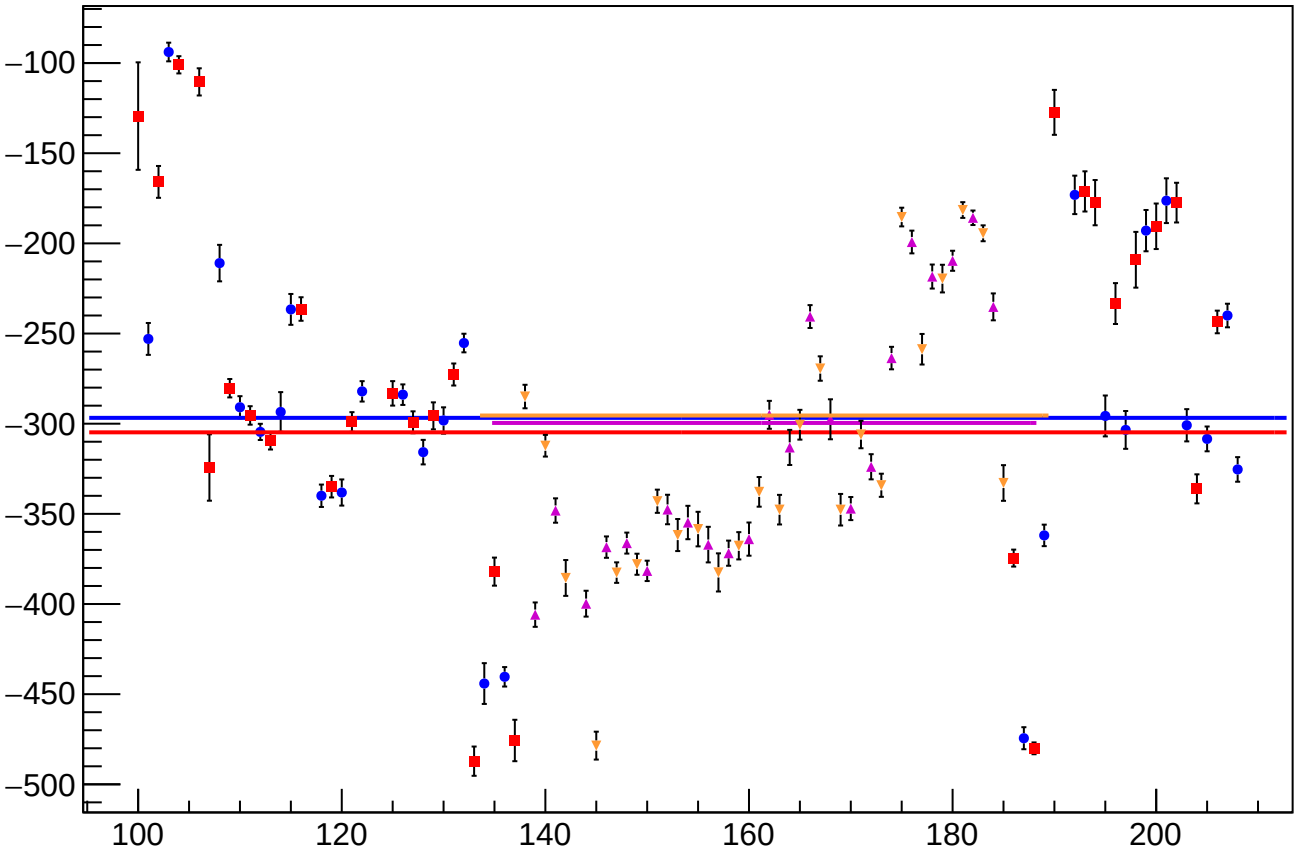
Right Out: 174.221+/-0.092 χ^2/NDF: 650276.6/28

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 216.945+/-0.056 χ^2/NDF: 285284.0/50

All: 210.971+/-0.039 χ^2/NDF: 1194436.3/102

- sign 205.413+/-0.054 χ^2/NDF: 886956.1/51



Right In: -296.760+/-1.338 χ^2/NDF: 4103.0/26

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

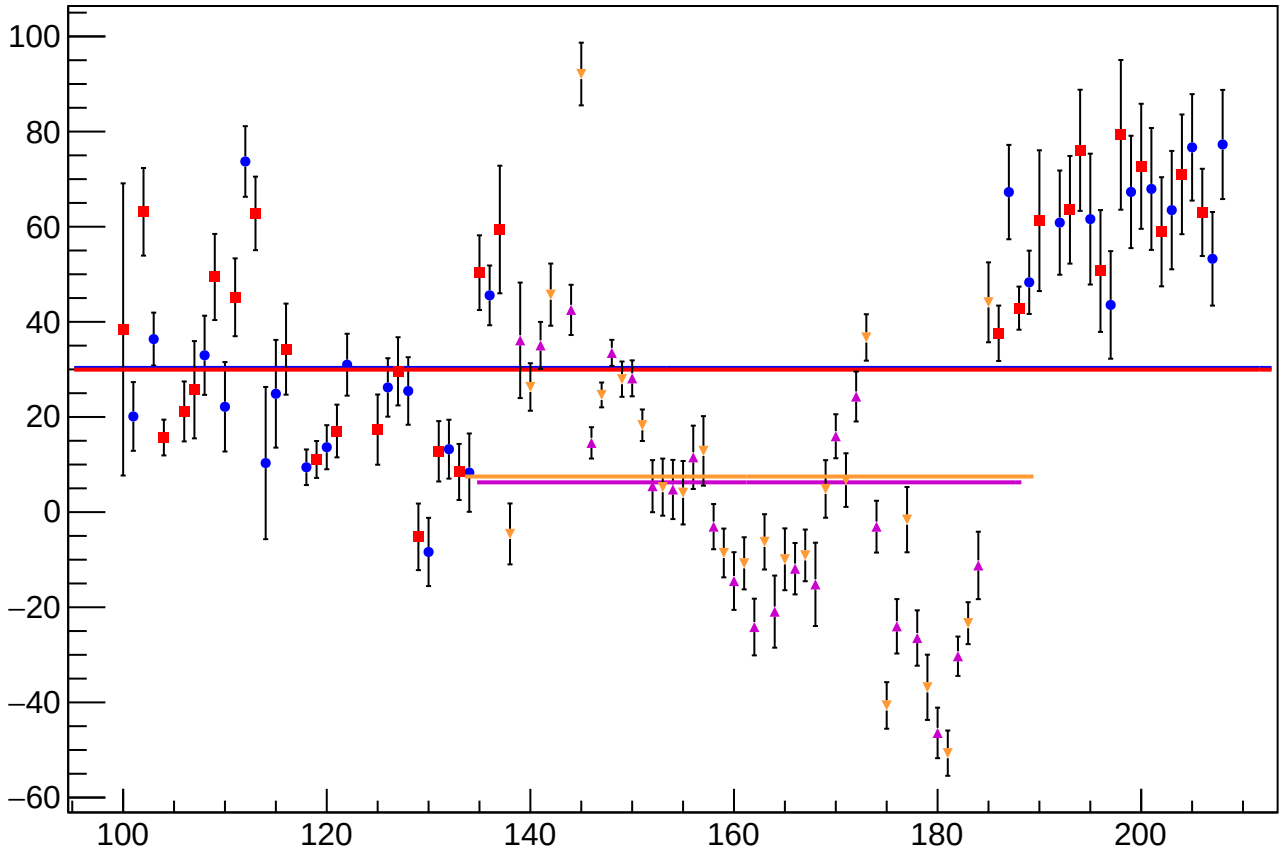
Right Out: -304.793+/-1.248 χ^2/NDF: 7725.4/28

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -296.138+/-0.965 χ^2/NDF: 7449.8/50

All: -299.424+/-0.670 χ^2/NDF: 18177.0/102

- sign -302.482+/-0.931 χ^2/NDF: 10704.8/51



Right In: 30.315+/-1.443 χ^2/NDF: 235.2/26

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 29.951+/-1.355 χ^2/NDF: 234.7/28

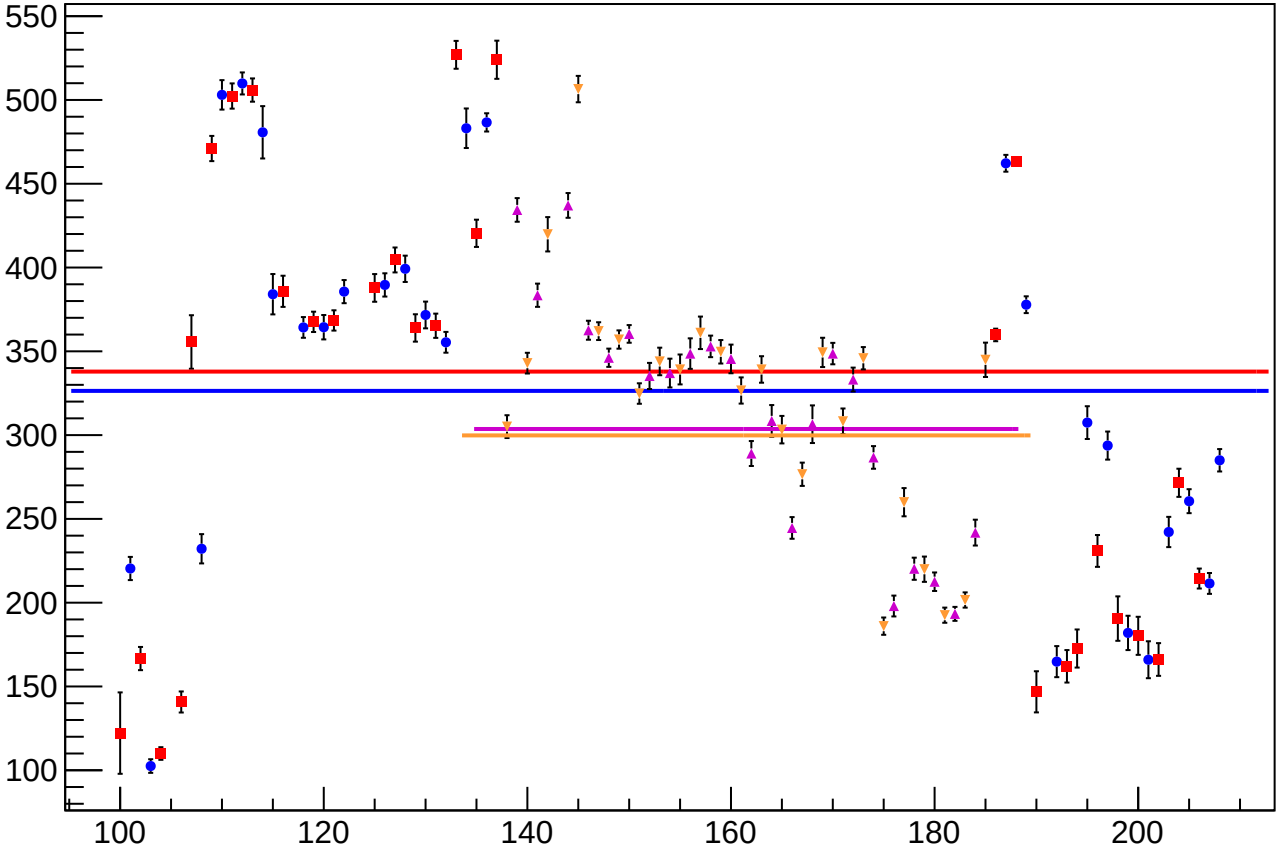
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

\+ sign 15.189+/-0.838 χ^2/NDF: 1139.5/50

All: 15.140+/-0.589 χ^2/NDF: 2125.3/102

\- sign 15.092+/-0.828 χ^2/NDF: 985.8/51

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 326.389+/-1.360 χ^2/NDF: 8214.9/26

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

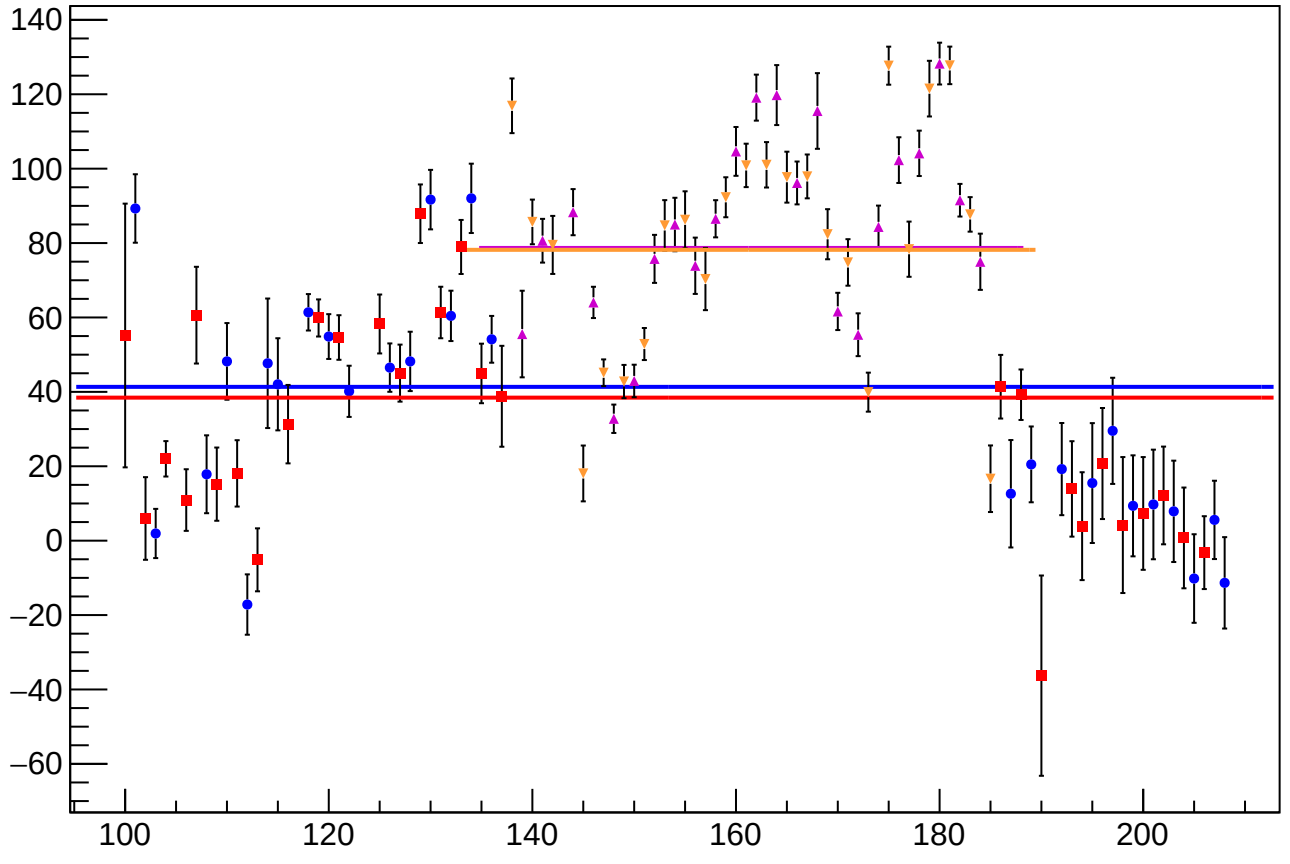
Right Out: 337.905+/-1.226 χ^2/NDF: 12140.9/28

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 313.314+/-0.969 χ^2/NDF: 11478.8/50

All: 318.335+/-0.666 χ^2/NDF: 26887.0/102

- sign 322.833+/-0.917 χ^2/NDF: 15357.2/51



Right In: 41.346+/-1.690 χ^2/NDF: 304.2/26

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

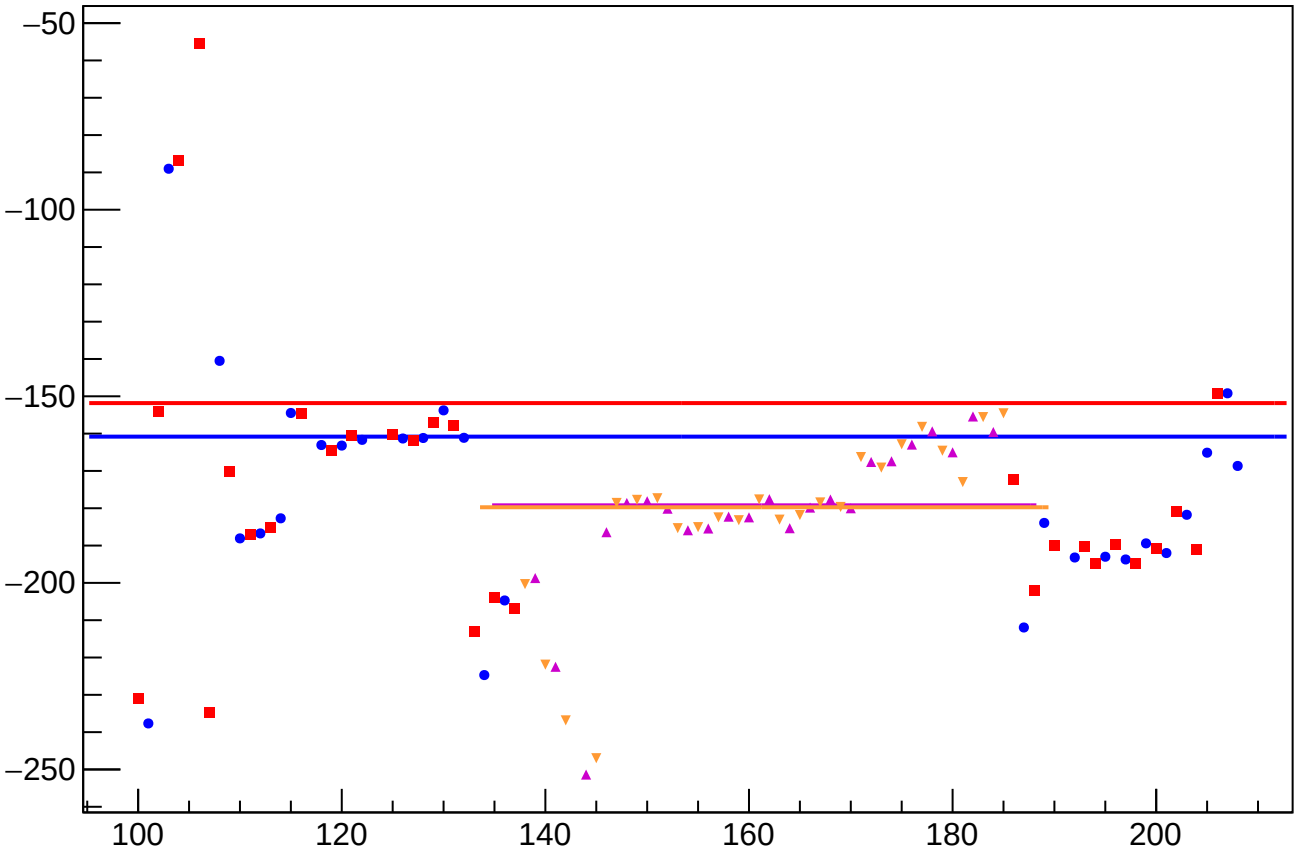
Right Out: 38.449+/-1.625 χ^2/NDF: 243.4/28

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 66.048+/-0.970 χ^2/NDF: 1286.0/50

All: 65.305+/-0.683 χ^2/NDF: 2417.1/102

- sign 64.573+/-0.963 χ^2/NDF: 1129.9/51



Right In: -160.809+/-0.082 χ^2/NDF: 304689.3/26

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

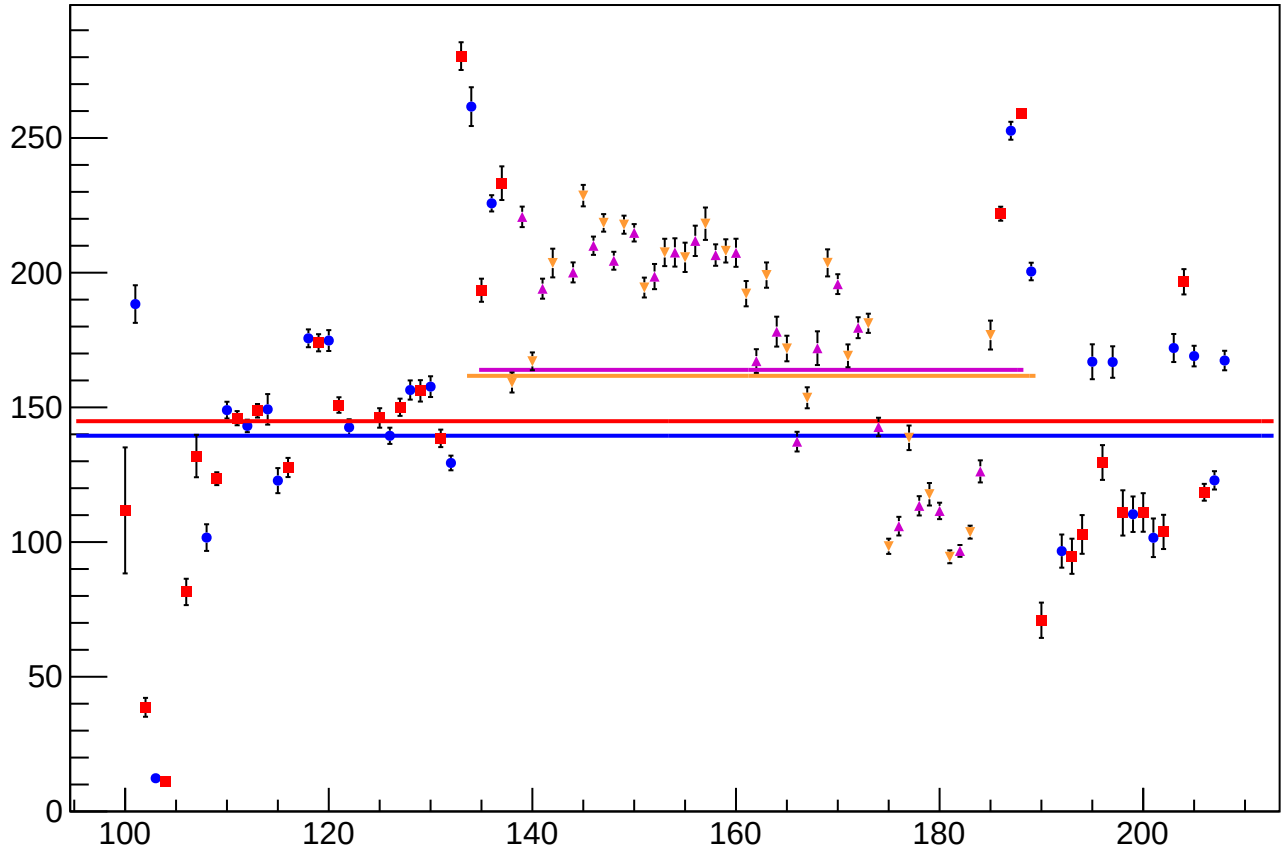
Right Out: -151.820+/-0.079 χ^2/NDF: 418161.3/28

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -173.836+/-0.046 χ^2/NDF: 473825.1/50

All: -172.073+/-0.032 χ^2/NDF: 1090042.8/10

- sign -170.369+/-0.045 χ^2/NDF: 613281.0/51



Right In: 139.474+/-0.691 χ^2/NDF: 8223.7/26

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

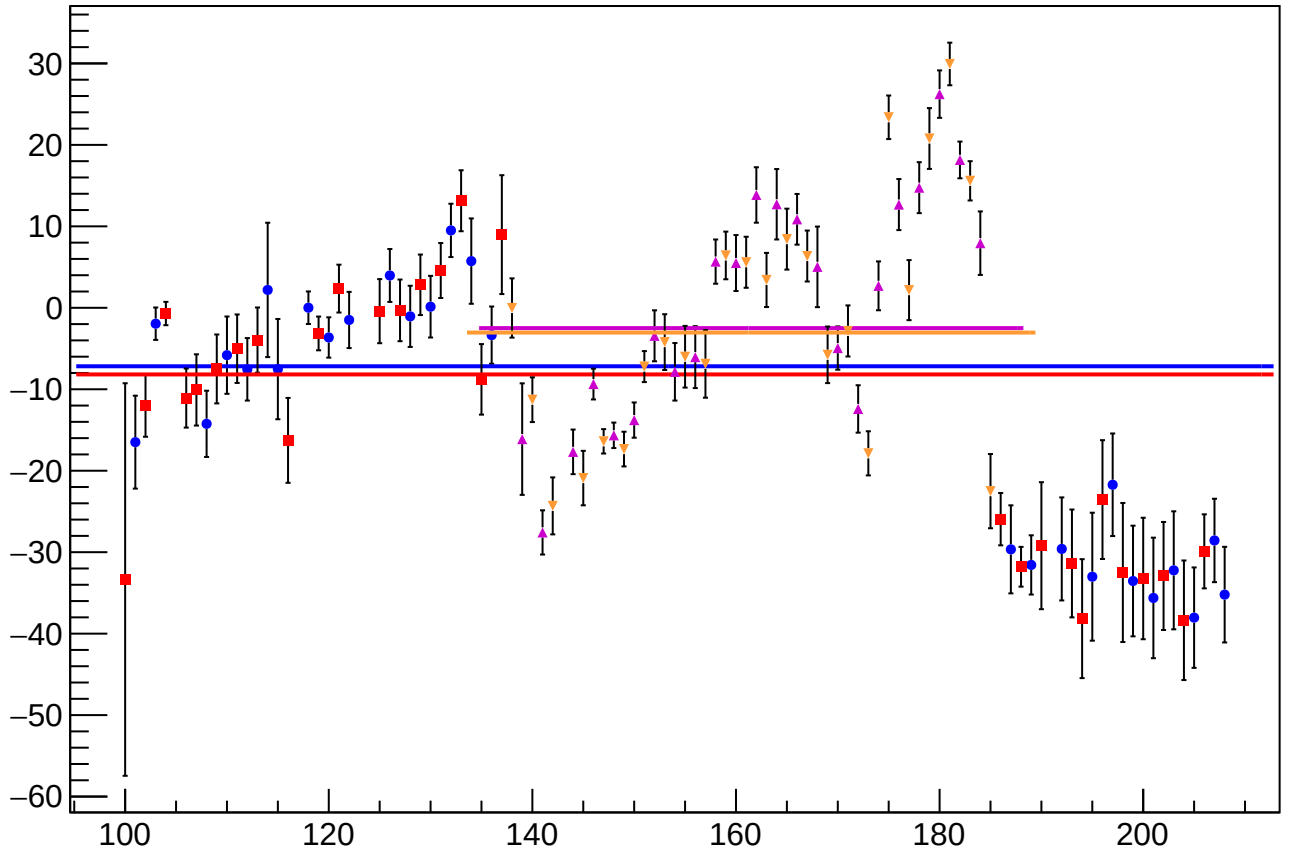
Right Out: 144.875+/-0.641 χ^2/NDF: 13288.6/28

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 149.301+/-0.516 χ^2/NDF: 12268.9/50

All: 150.998+/-0.357 χ^2/NDF: 29270.4/102

- sign 152.560+/-0.495 χ^2/NDF: 16980.7/51



Right In: -7.178+/-0.751 χ^2/NDF: 281.2/26

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

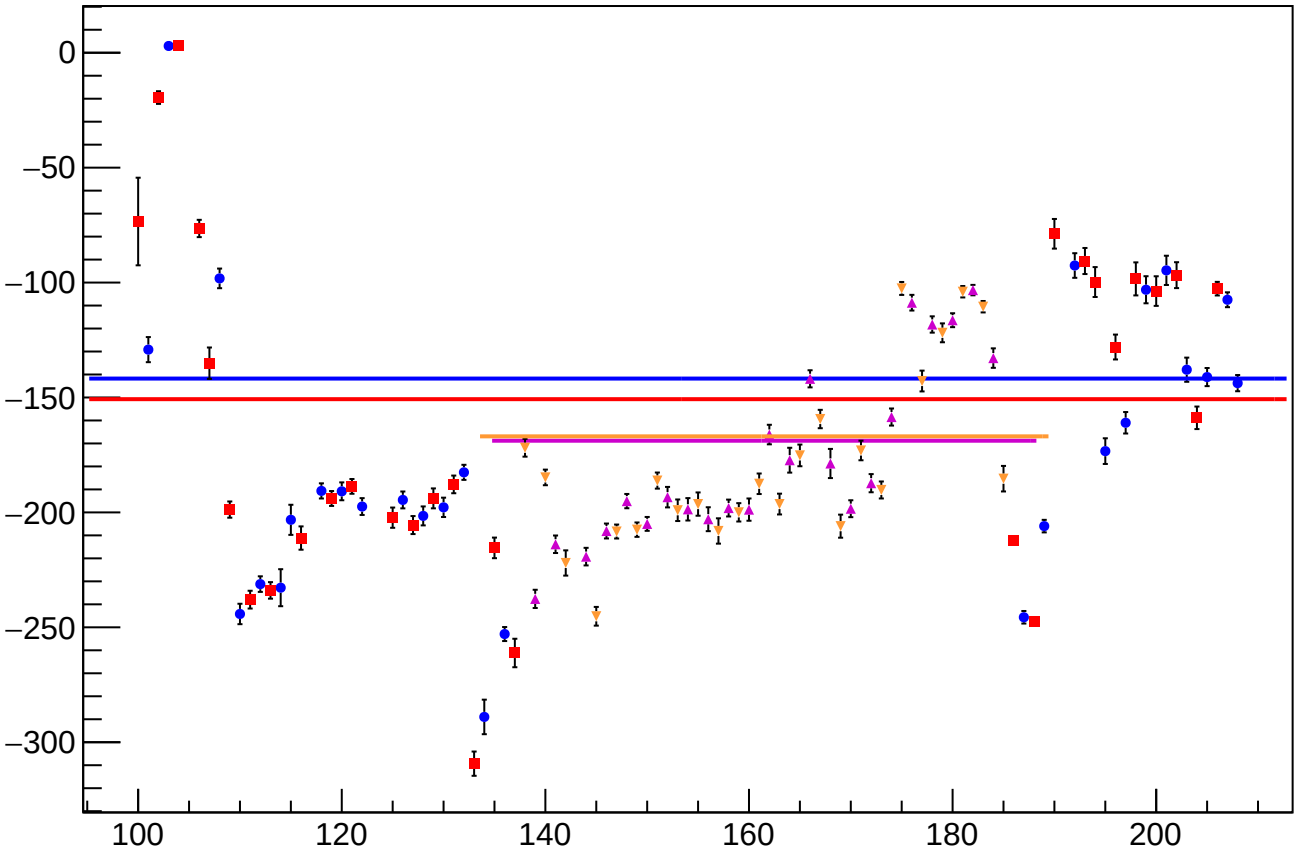
Right Out: -8.178+/-0.682 χ^2/NDF: 360.4/28

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

+ sign -4.578+/-0.458 χ^2/NDF: 954.8/50

All: -4.749+/-0.319 χ^2/NDF: 1918.3/102

- sign -4.910+/-0.445 χ^2/NDF: 963.2/51



Right In: -141.769+/-0.689 χ^2/NDF: 17241.0/26

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -150.733+/-0.621 χ^2/NDF: 24023.4/28

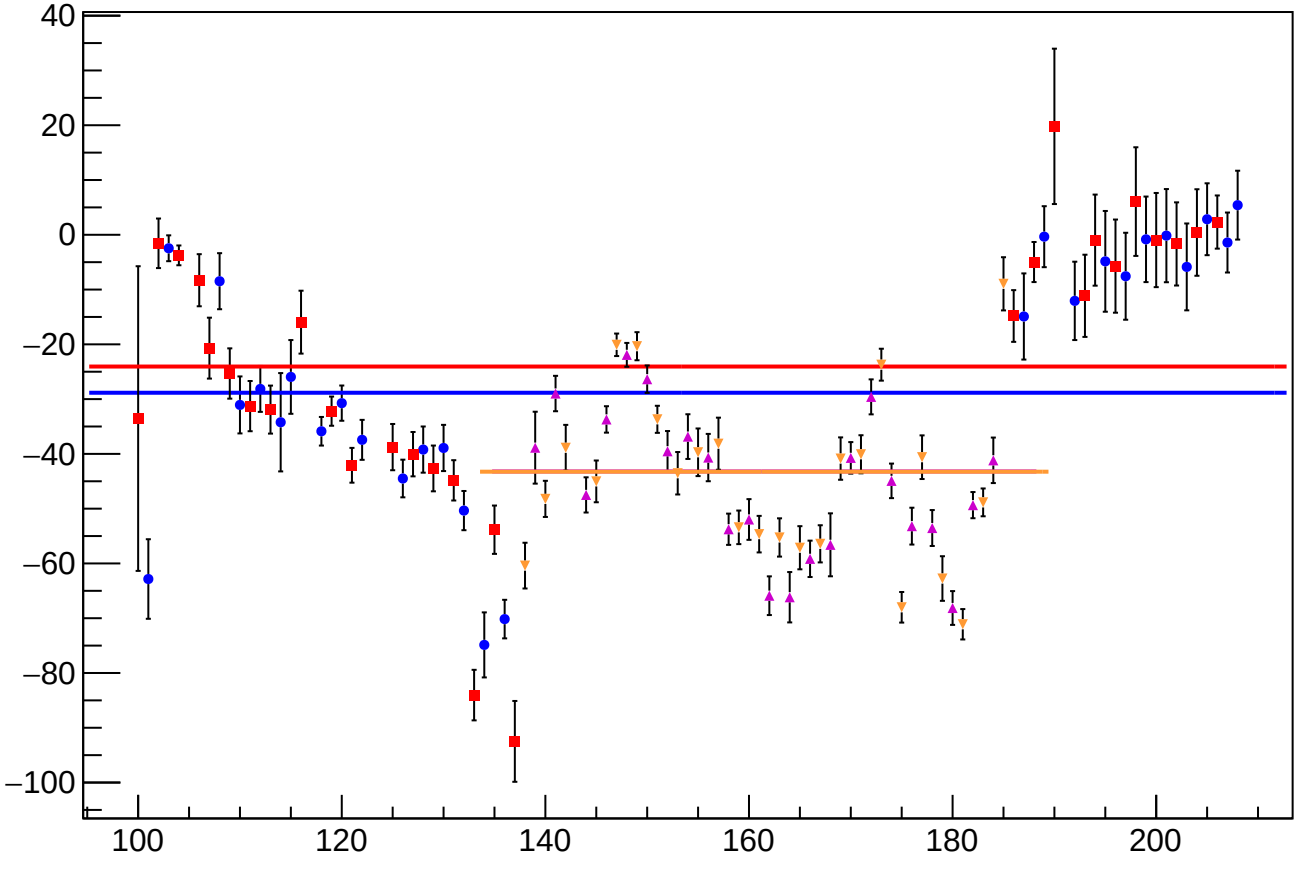
Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -152.934+/-0.514 χ^2/NDF: 20928.7/50

All: -155.530+/-0.352 χ^2/NDF: 48392.3/102

- sign -157.836+/-0.484 χ^2/NDF: 27415.4/51

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -28.838+/-0.880 χ^2/NDF: 602.7/26

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

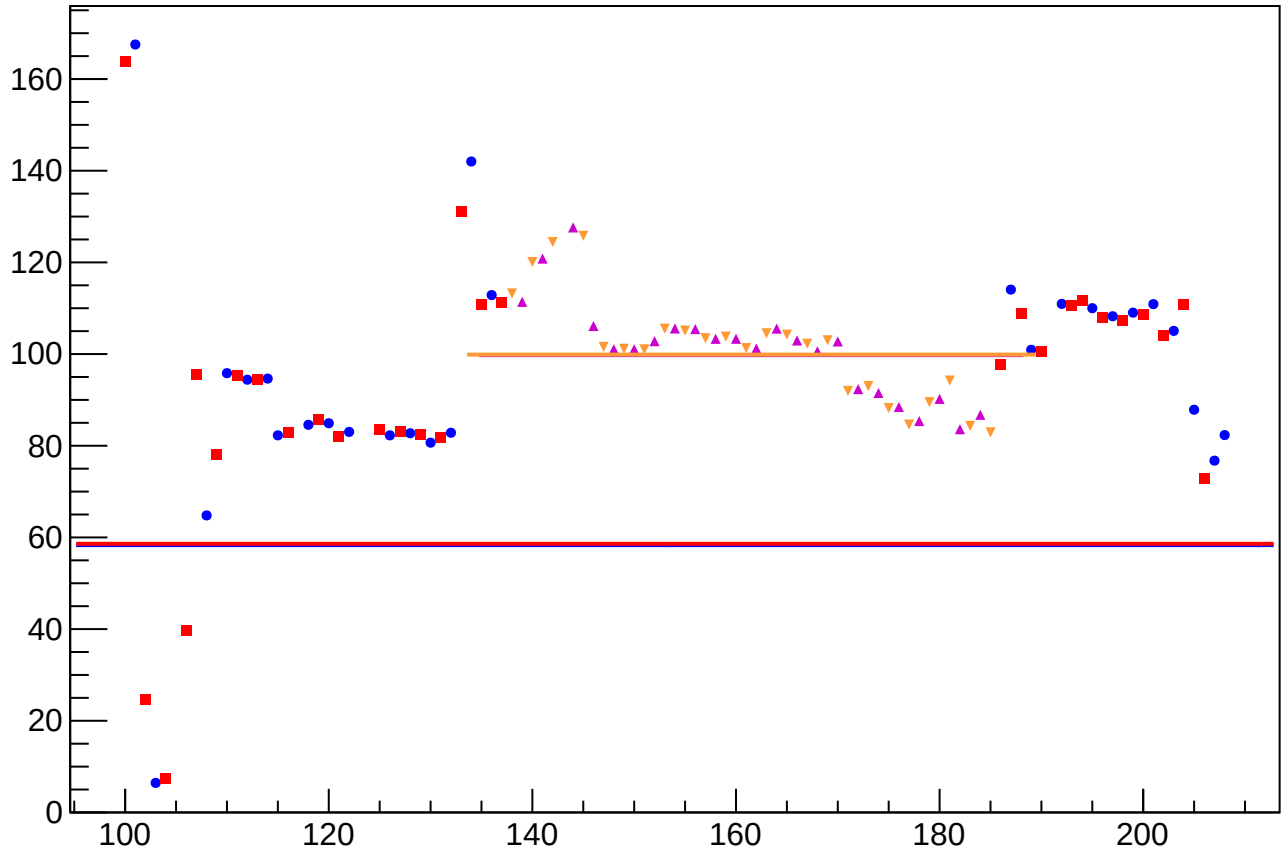
Right Out: -24.053+/-0.820 χ^2/NDF: 712.1/28

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -38.022+/-0.530 χ^2/NDF: 1383.8/50

All: -36.756+/-0.371 χ^2/NDF: 2839.9/102

- sign -35.543+/-0.519 χ^2/NDF: 1444.9/51



Right In: 58.319+/-0.039 χ^2/NDF: 1501162.5/26

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

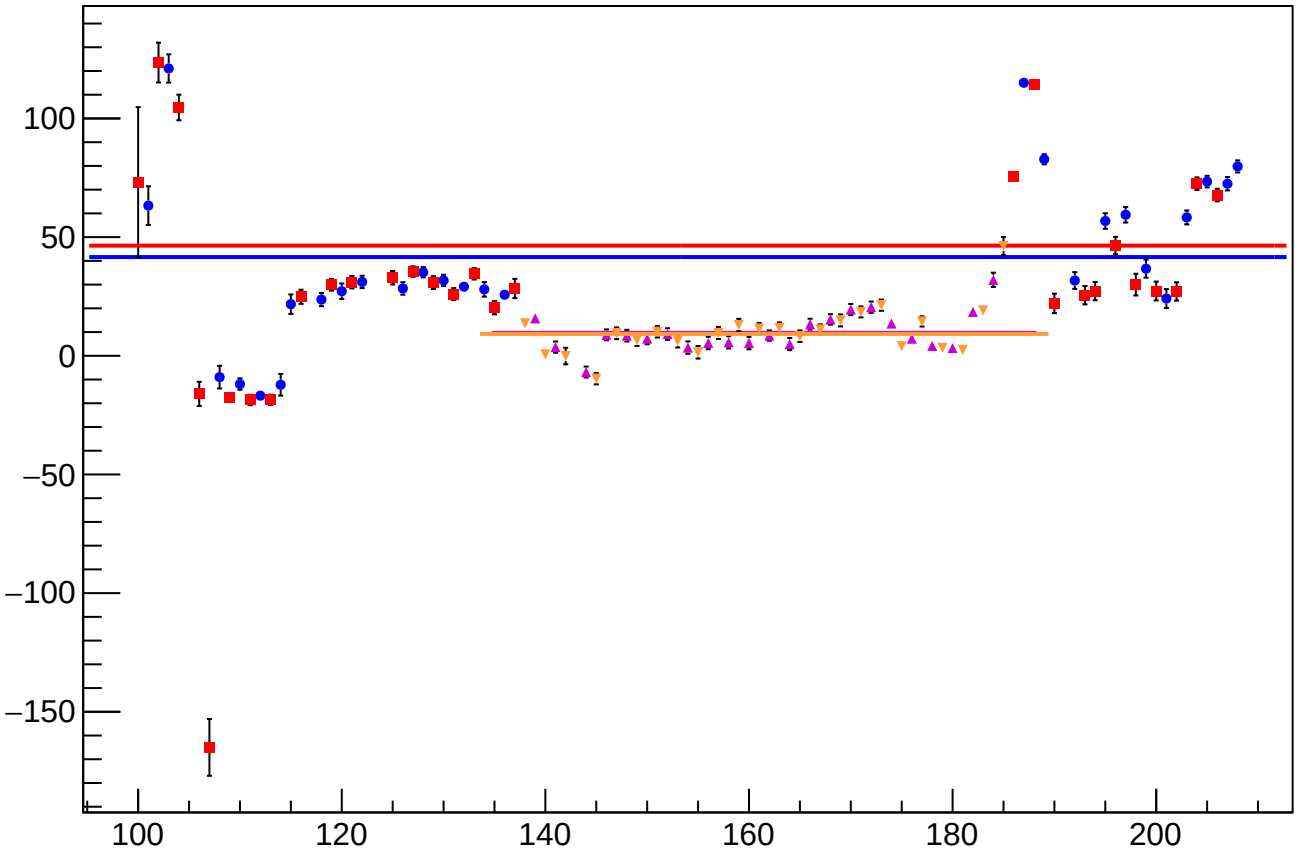
Right Out: 58.610+/-0.039 χ^2/NDF: 1288958.3/28

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 83.864+/-0.024 χ^2/NDF: 2327967.5/50

All: 83.896+/-0.017 χ^2/NDF: 4428949.5/102

- sign 83.928+/-0.024 χ^2/NDF: 2100978.6/51



Right In: 41.598+/-0.531 χ^2/NDF: 4390.6/26

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

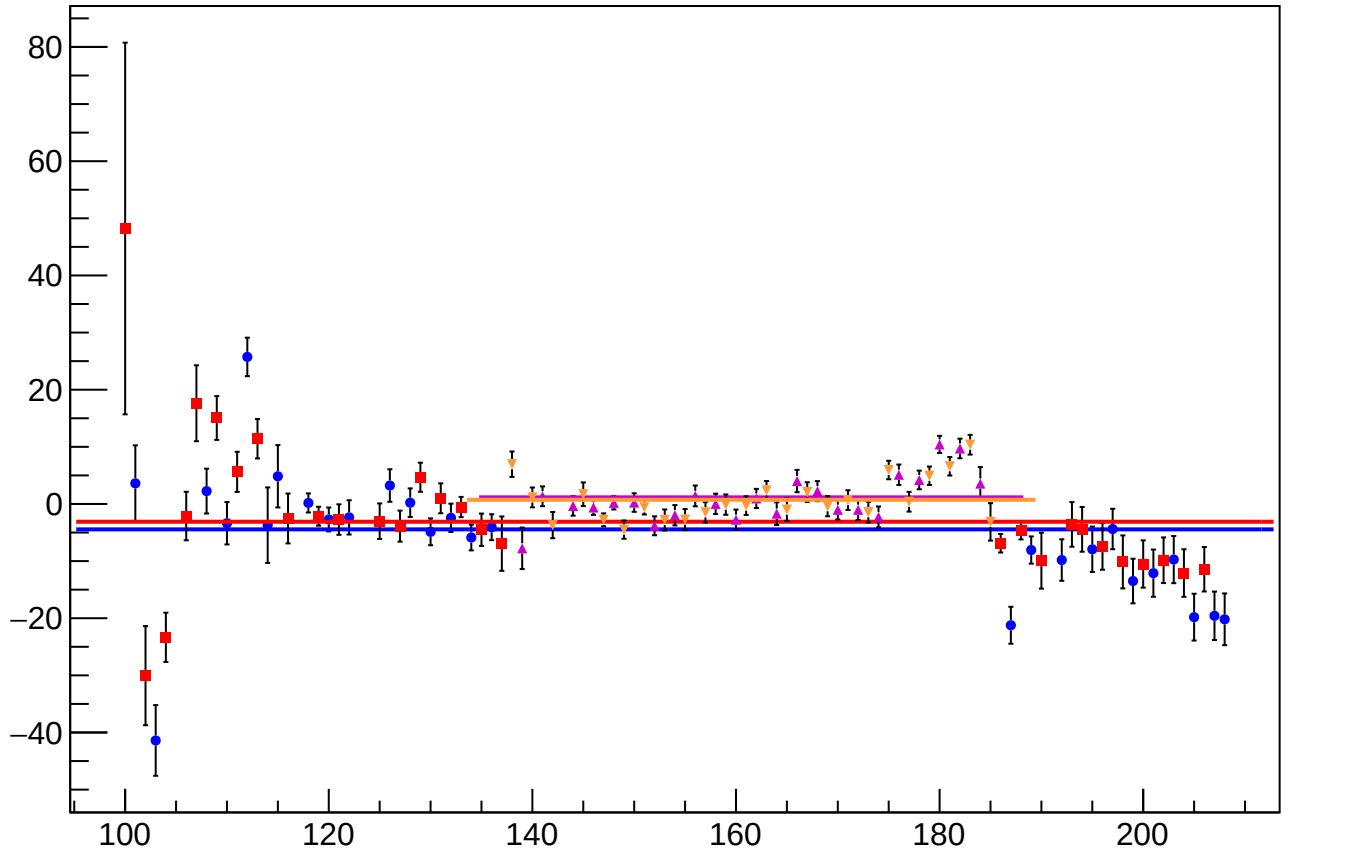
Right Out: 46.419+/-0.488 χ^2/NDF: 8005.0/28

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

\+ sign 22.995+/-0.346 χ^2/NDF: 6857.3/50

All: 25.078+/-0.241 χ^2/NDF: 18163.8/102

\- sign 27.040+/-0.336 χ^2/NDF: 11236.1/51



Right In: -4.446+/-0.589 χ^2/NDF: 225.6/26

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -3.111+/-0.554 χ^2/NDF: 132.6/28

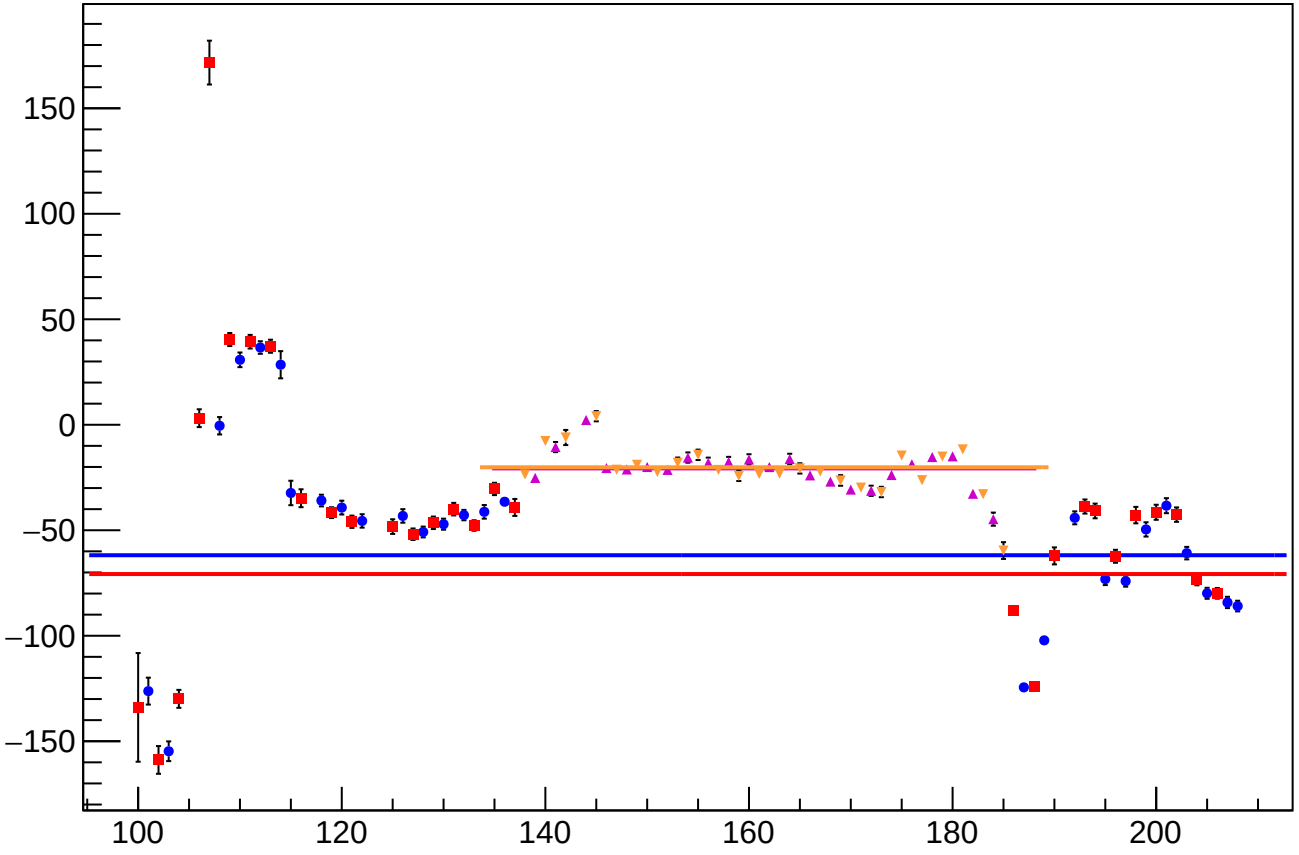
Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign -0.618+/-0.301 χ^2/NDF: 392.5/50

All: -0.357+/-0.212 χ^2/NDF: 678.8/102

\- sign -0.097+/-0.300 χ^2/NDF: 284.9/51

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -61.838+/-0.542 χ^2/NDF: 5582.5/26

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -70.760+/-0.474 χ^2/NDF: 9658.8/28

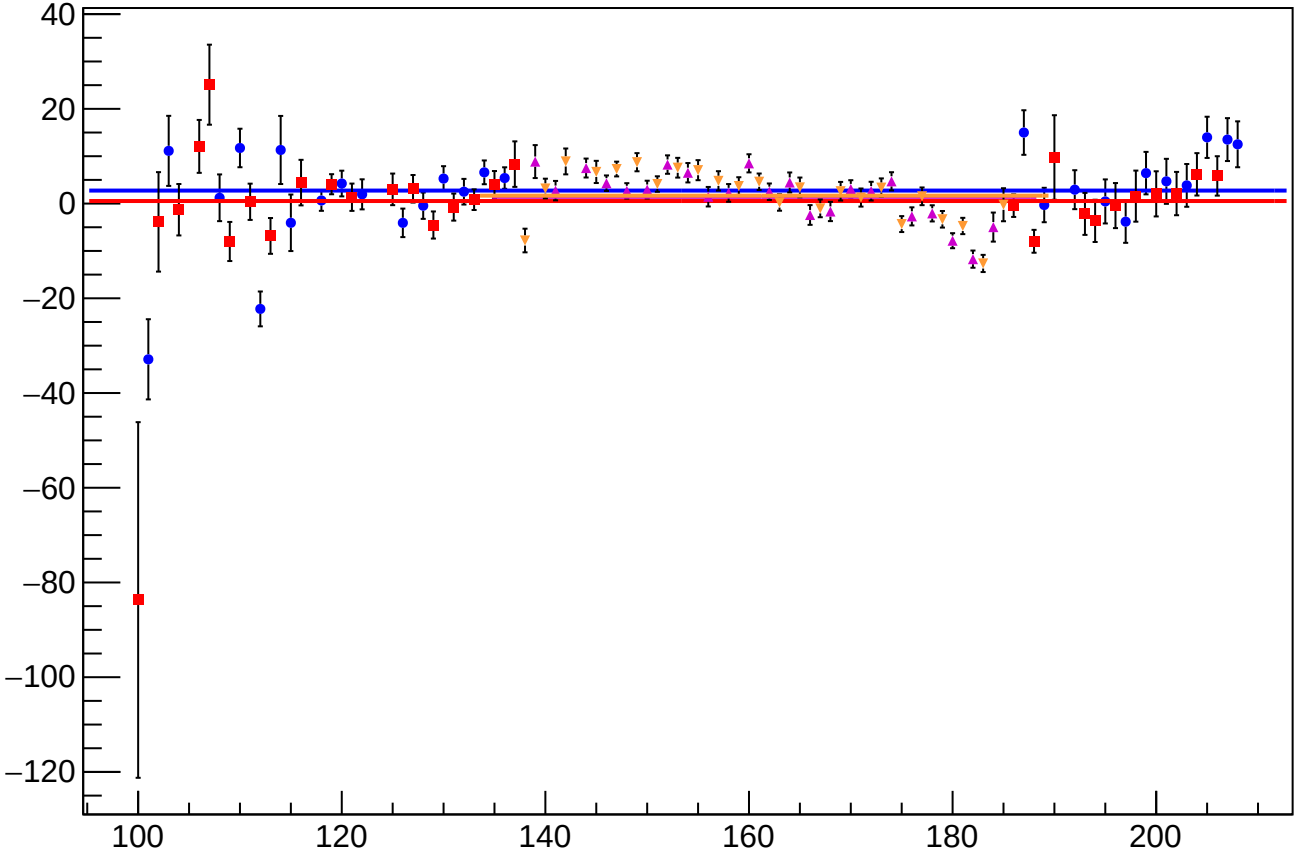
Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -37.281+/-0.347 χ^2/NDF: 9491.4/50

All: -41.274+/-0.239 χ^2/NDF: 25493.2/102

\- sign -44.861+/-0.329 χ^2/NDF: 15750.7/51

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 2.745+/-0.684 χ^2/NDF: 112.4/26

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

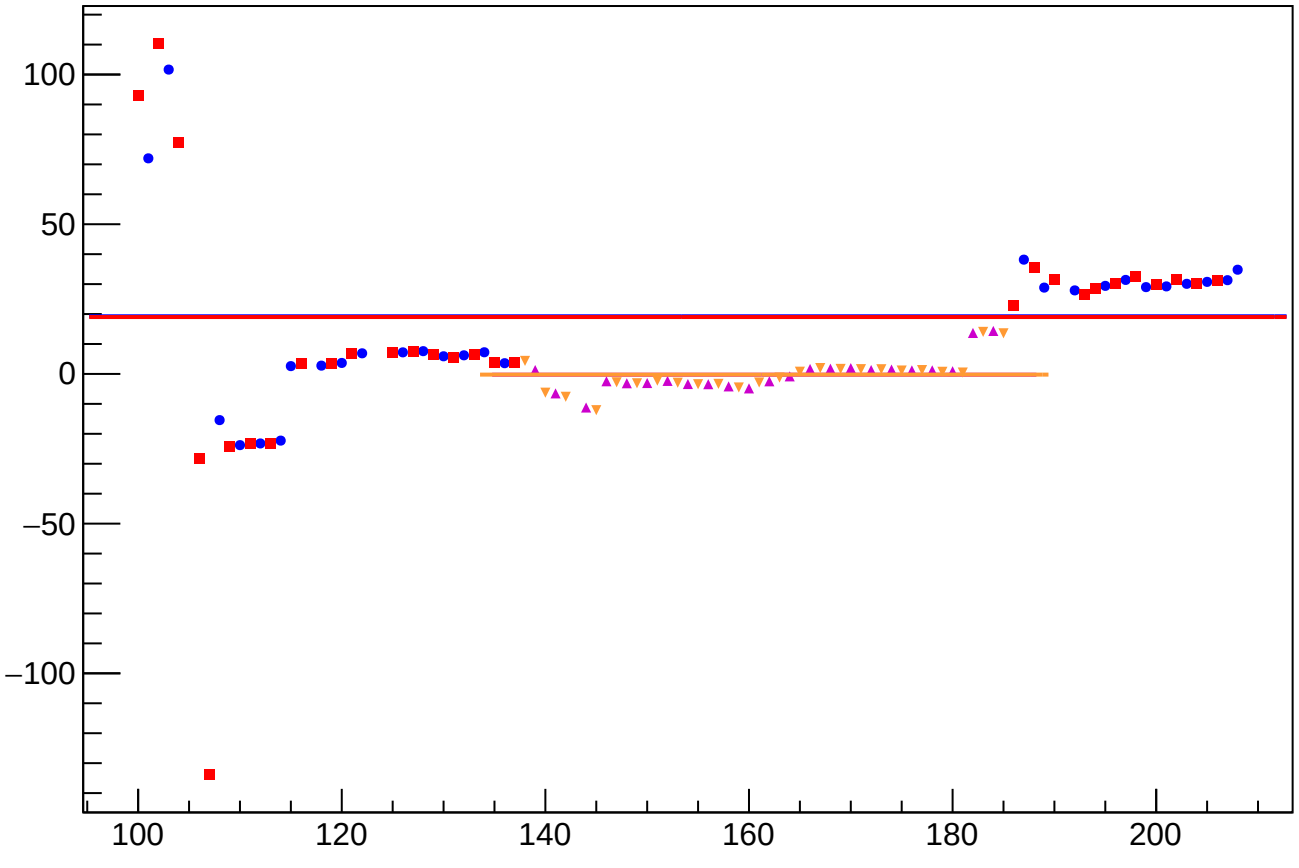
Right Out: 0.538+/-0.668 χ^2/NDF: 56.8/28

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

\+ sign 1.939+/-0.342 χ^2/NDF: 292.2/50

All: 1.568+/-0.243 χ^2/NDF: 515.5/102

\- sign 1.191+/-0.345 χ^2/NDF: 220.9/51



Right In: 19.257+/-0.034 χ^2/NDF: 420074.9/26

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

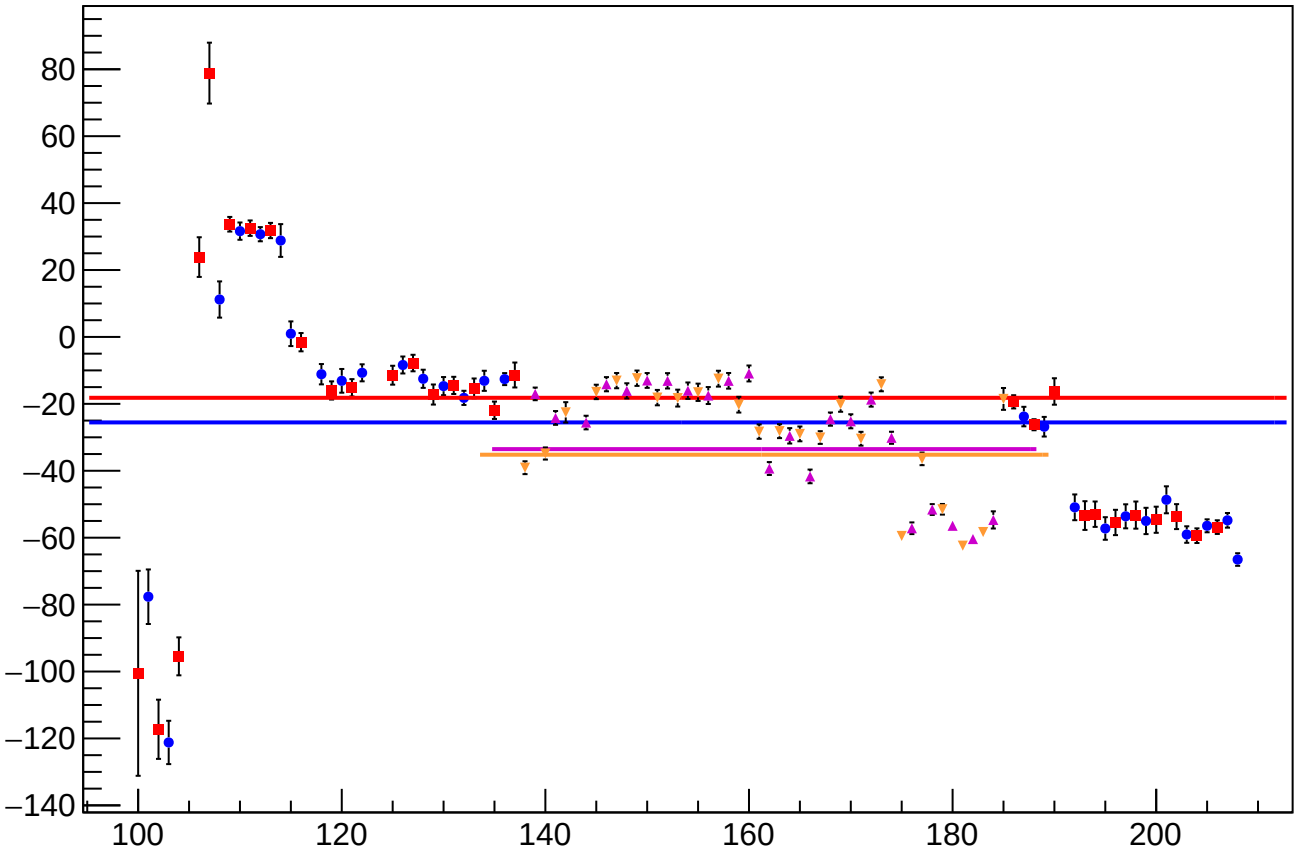
Right Out: 19.000+/-0.034 χ^2/NDF: 588859.9/28

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 3.893+/-0.016 χ^2/NDF: 759286.3/50

All: 3.857+/-0.011 χ^2/NDF: 1671498.8/102

- sign 3.821+/-0.016 χ^2/NDF: 912202.0/51



Right In: -25.549+/-0.535 χ^2/NDF: 3281.9/26

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

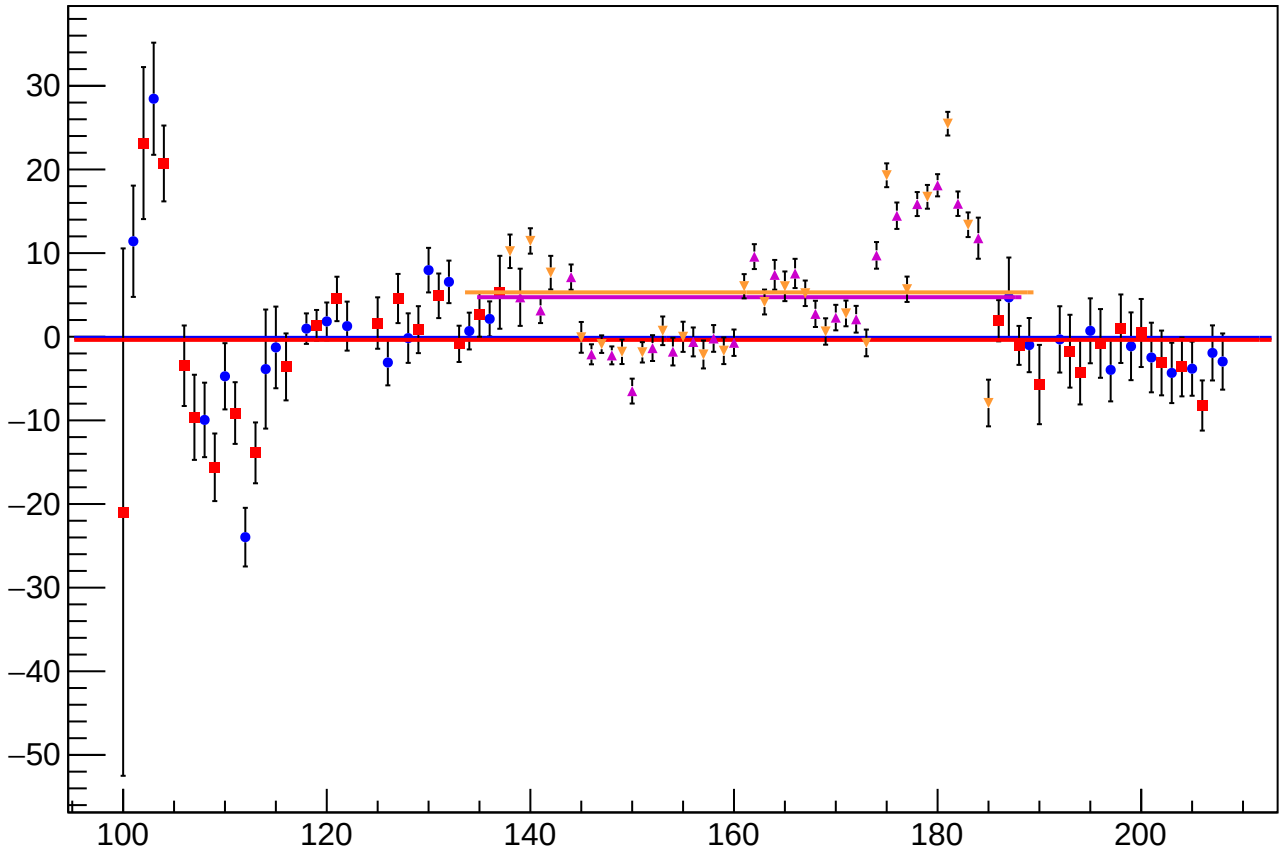
Right Out: -18.192+/-0.534 χ^2/NDF: 3314.3/28

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -31.654+/-0.325 χ^2/NDF: 5338.1/50

All: -29.730+/-0.230 χ^2/NDF: 11044.7/102

- sign -27.777+/-0.327 χ^2/NDF: 5635.8/51



Right In: -0.131+/-0.608 χ^2/NDF: 100.1/26

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: -0.373+/-0.608 χ^2/NDF: 93.1/28

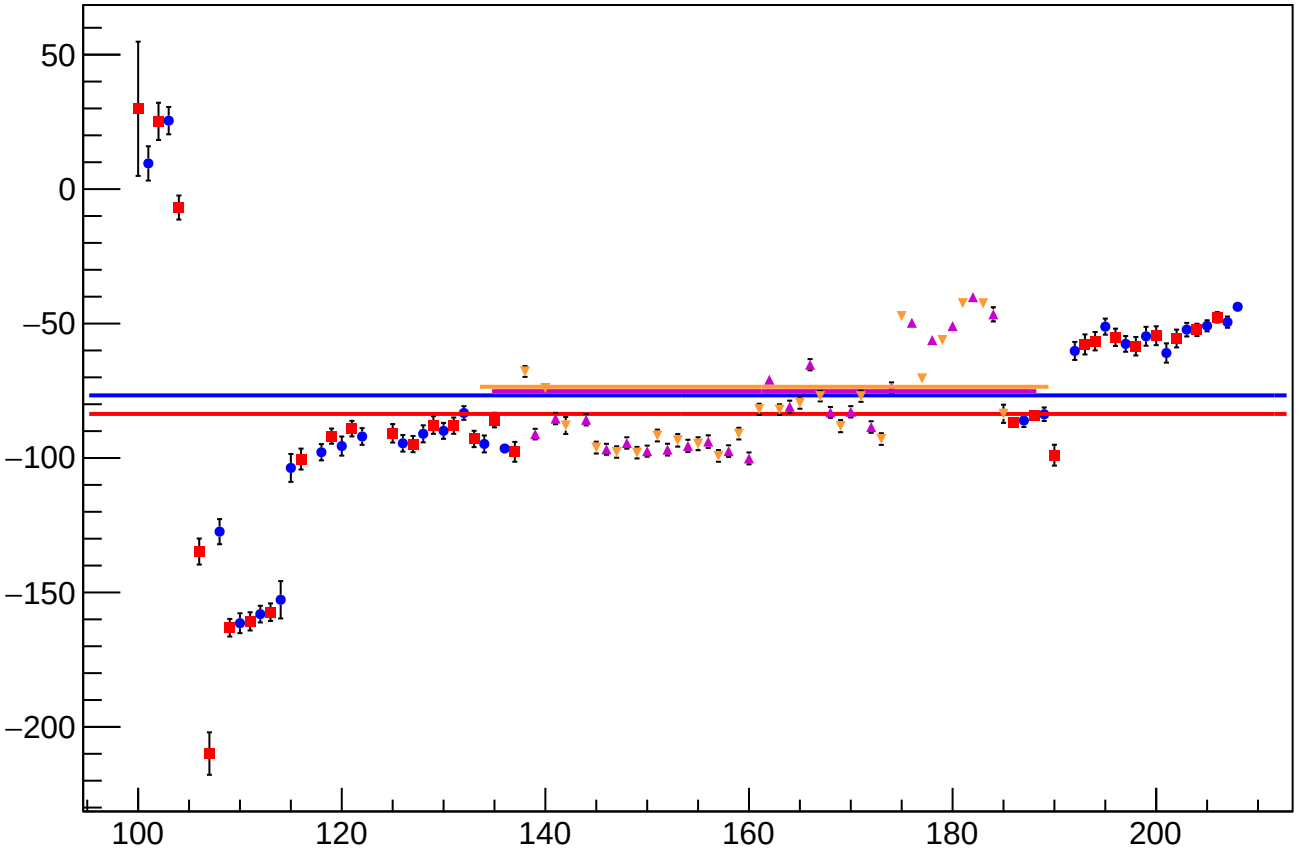
Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.157+/-0.280 χ^2/NDF: 787.5/50

All: 3.890+/-0.199 χ^2/NDF: 1433.5/102

- sign 3.614+/-0.284 χ^2/NDF: 644.1/51

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -76.707+/-0.556 χ^2/NDF: 3352.1/26

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

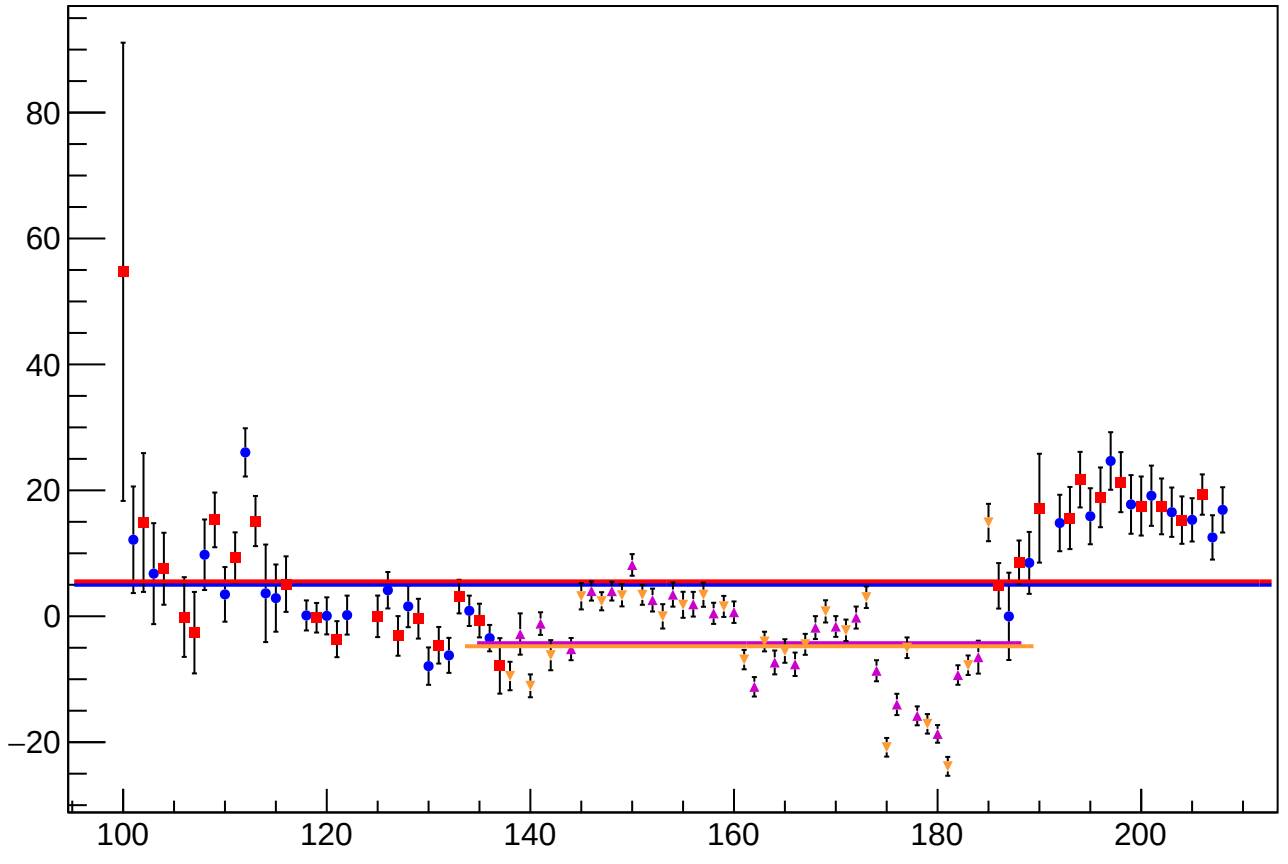
Right Out: -83.600+/-0.541 χ^2/NDF: 3548.6/28

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

+ sign -74.615+/-0.328 χ^2/NDF: 5765.7/50

All: -76.424+/-0.231 χ^2/NDF: 11892.6/102

- sign -78.223+/-0.327 χ^2/NDF: 6066.1/51



Right In: 5.009+/-0.692 χ^2/NDF: 176.6/26

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

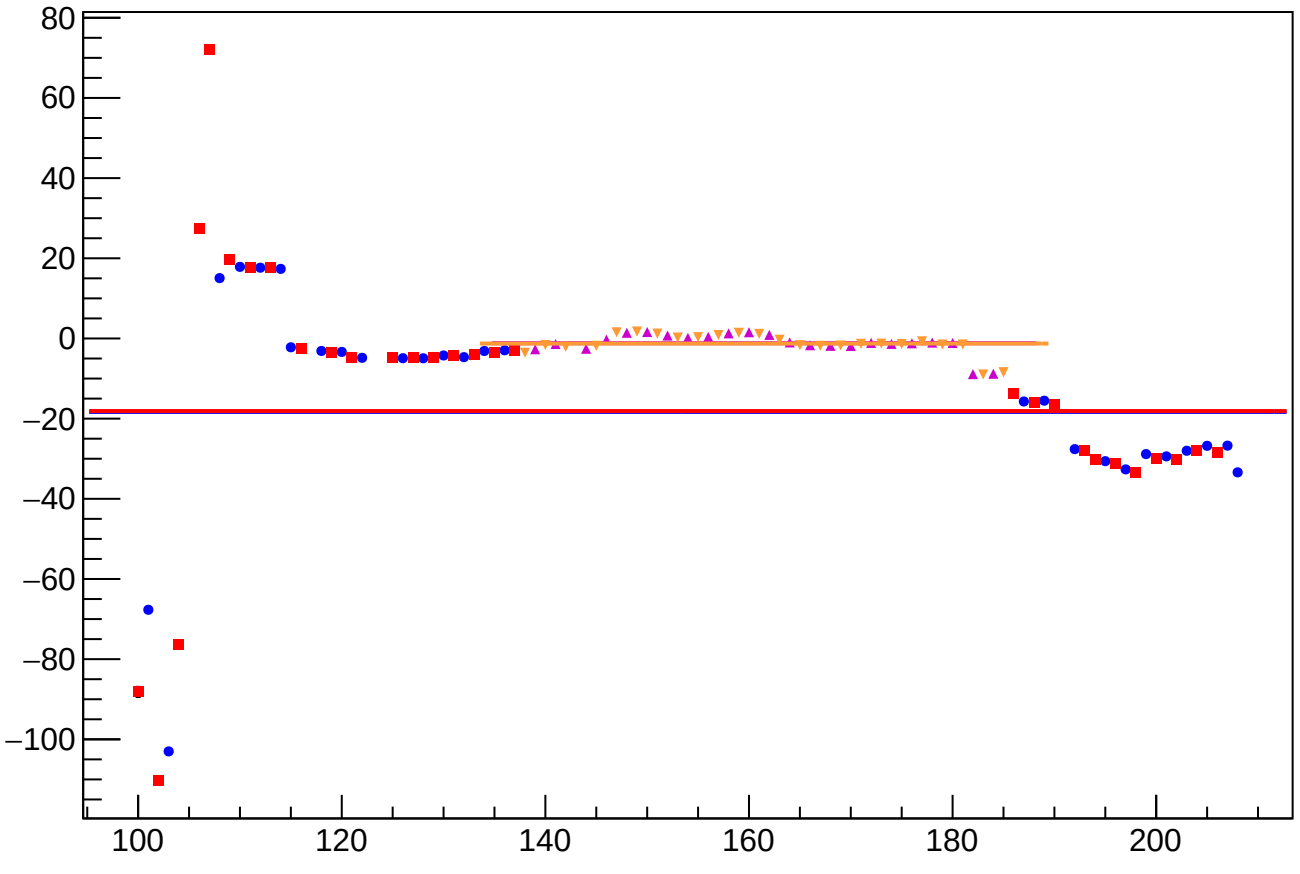
Right Out: 5.541+/-0.710 χ^2/NDF: 152.7/28

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

+ sign -2.727+/-0.316 χ^2/NDF: 911.5/50

All: -2.499+/-0.225 χ^2/NDF: 1641.4/102

- sign -2.262+/-0.322 χ^2/NDF: 728.8/51



Right In: -18.315+/-0.033 χ^2/NDF: 377062.4/26

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -18.106+/-0.035 χ^2/NDF: 462512.5/28

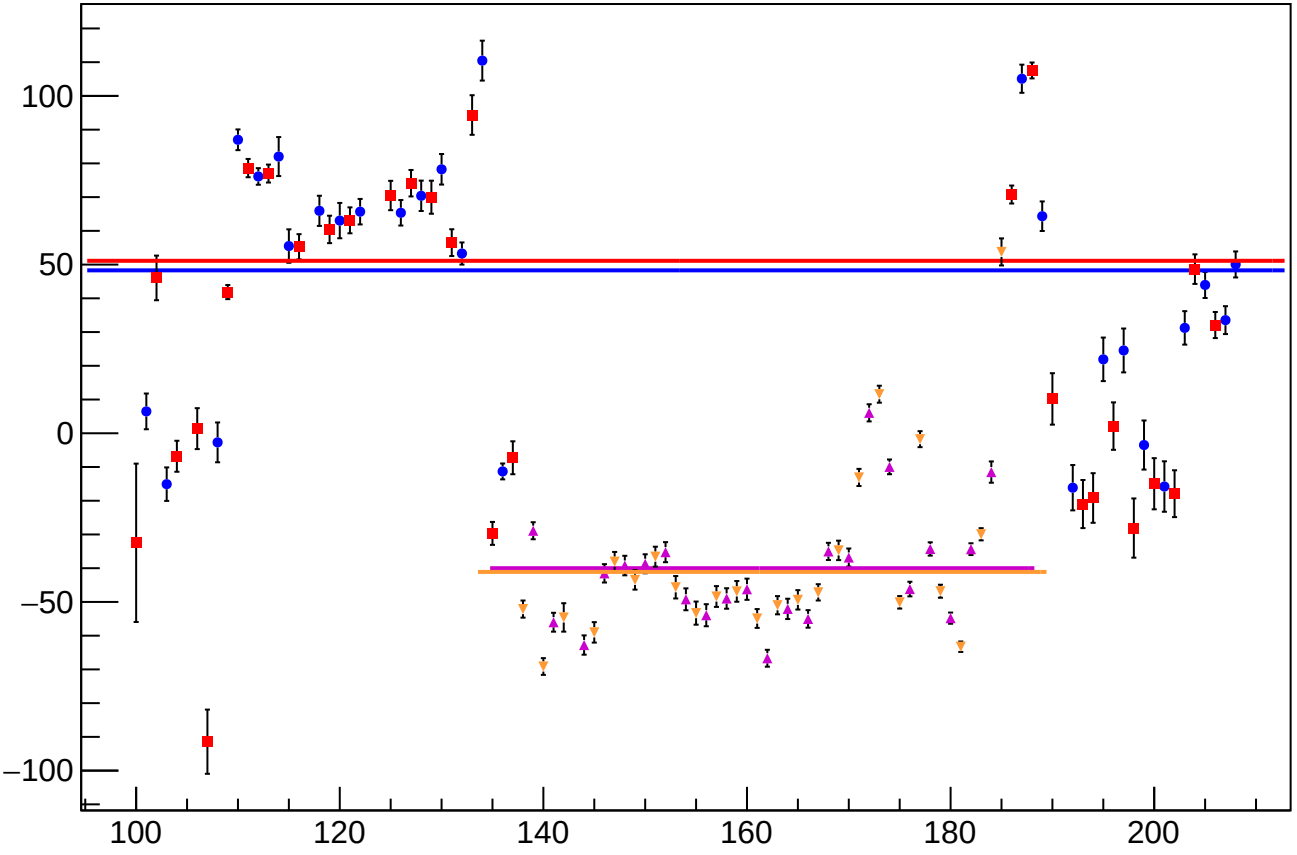
Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -4.421+/-0.014 χ^2/NDF: 615774.2/50

All: -4.291+/-0.010 χ^2/NDF: 1301303.7/102

- sign -4.159+/-0.014 χ^2/NDF: 685364.7/51

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 48.290+/-0.810 χ^2/NDF: 1979.7/26

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 51.124+/-0.753 χ^2/NDF: 2711.5/28

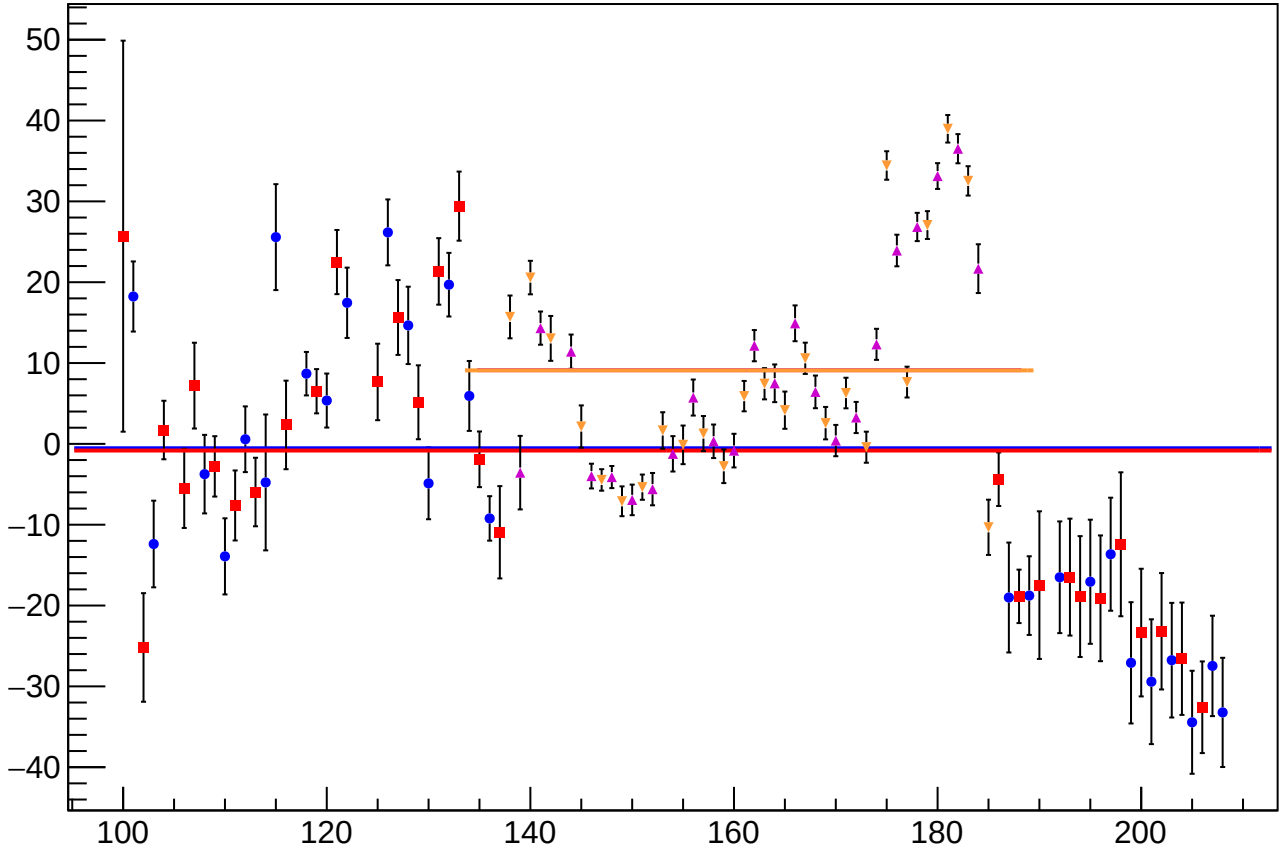
Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -15.214+/-0.436 χ^2/NDF: 12571.6/50

All: -12.698+/-0.306 χ^2/NDF: 26243.7/102

\- sign -10.248+/-0.430 χ^2/NDF: 13606.4/51

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -0.545+/-0.910 χ^2/NDF: 318.5/26

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: -0.822+/-0.876 χ^2/NDF: 279.1/28

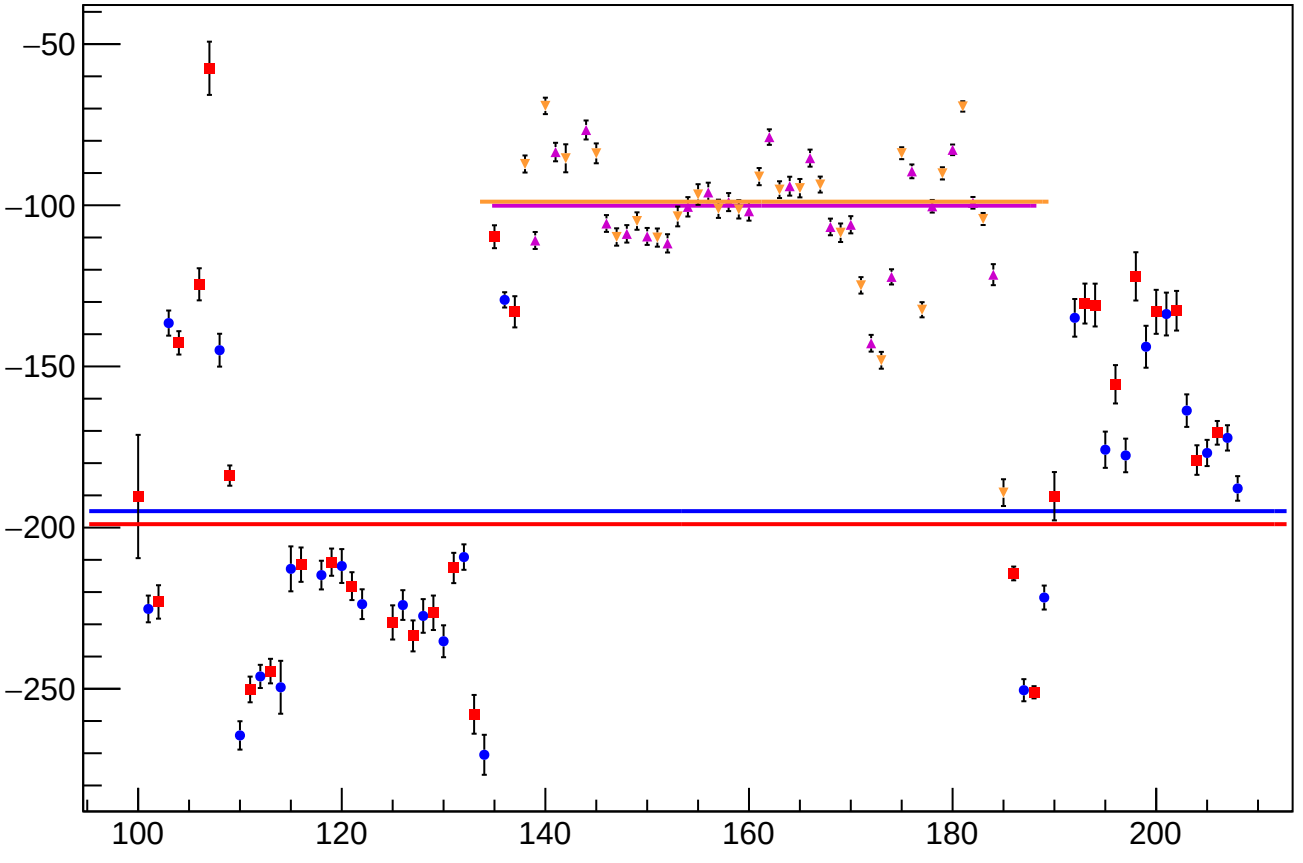
Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 7.525+/-0.367 χ^2/NDF: 1666.2/50

All: 7.433+/-0.261 χ^2/NDF: 3103.1/102

- sign 7.340+/-0.371 χ^2/NDF: 1436.8/51

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -194.892+/-0.849 χ^2/NDF: 2697.6/26

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

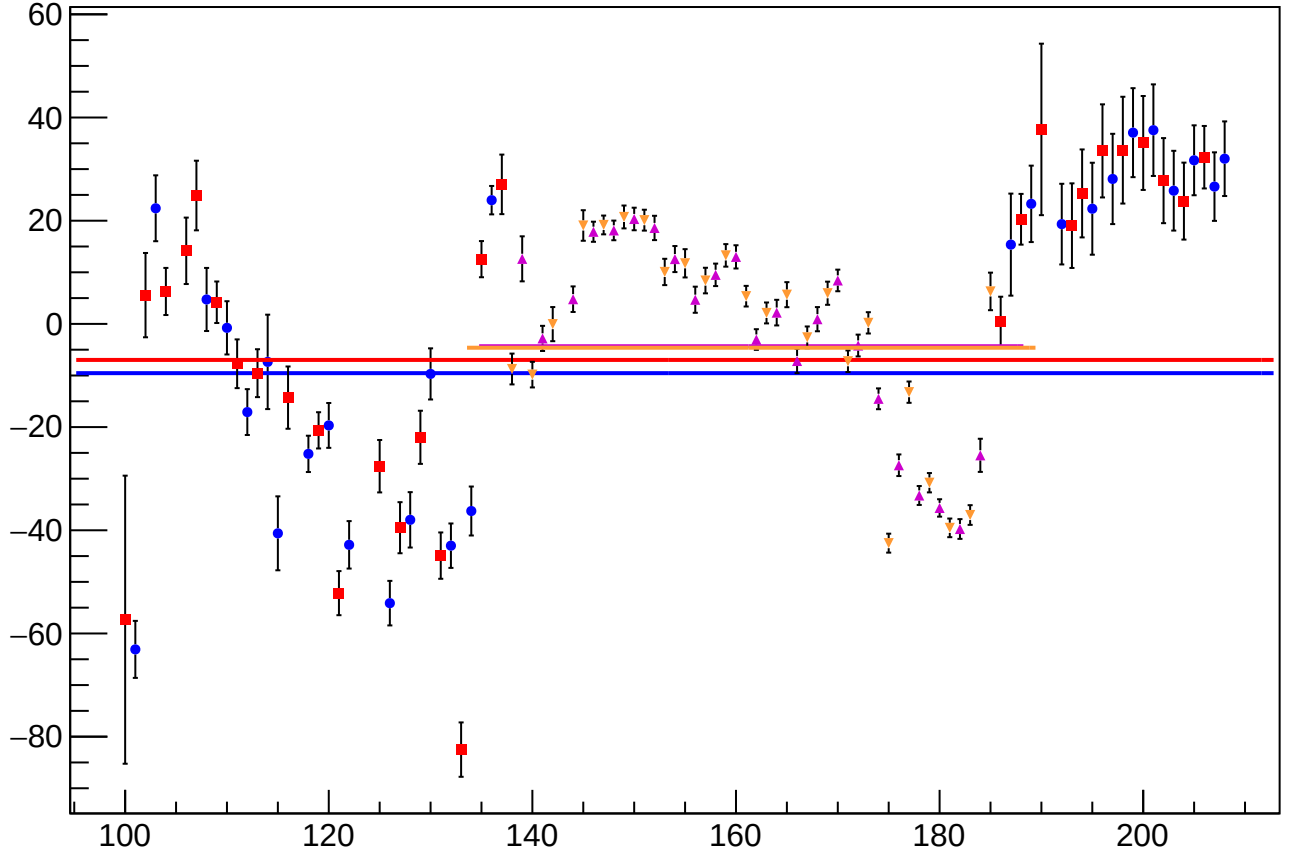
Right Out: -198.932+/-0.781 χ^2/NDF: 3657.5/28

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -124.638+/-0.440 χ^2/NDF: 13876.2/50

All: -127.592+/-0.309 χ^2/NDF: 29524.6/102

- sign -130.455+/-0.433 χ^2/NDF: 15559.5/51



Right In: -9.547+/-1.042 χ^2/NDF: 850.5/26

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

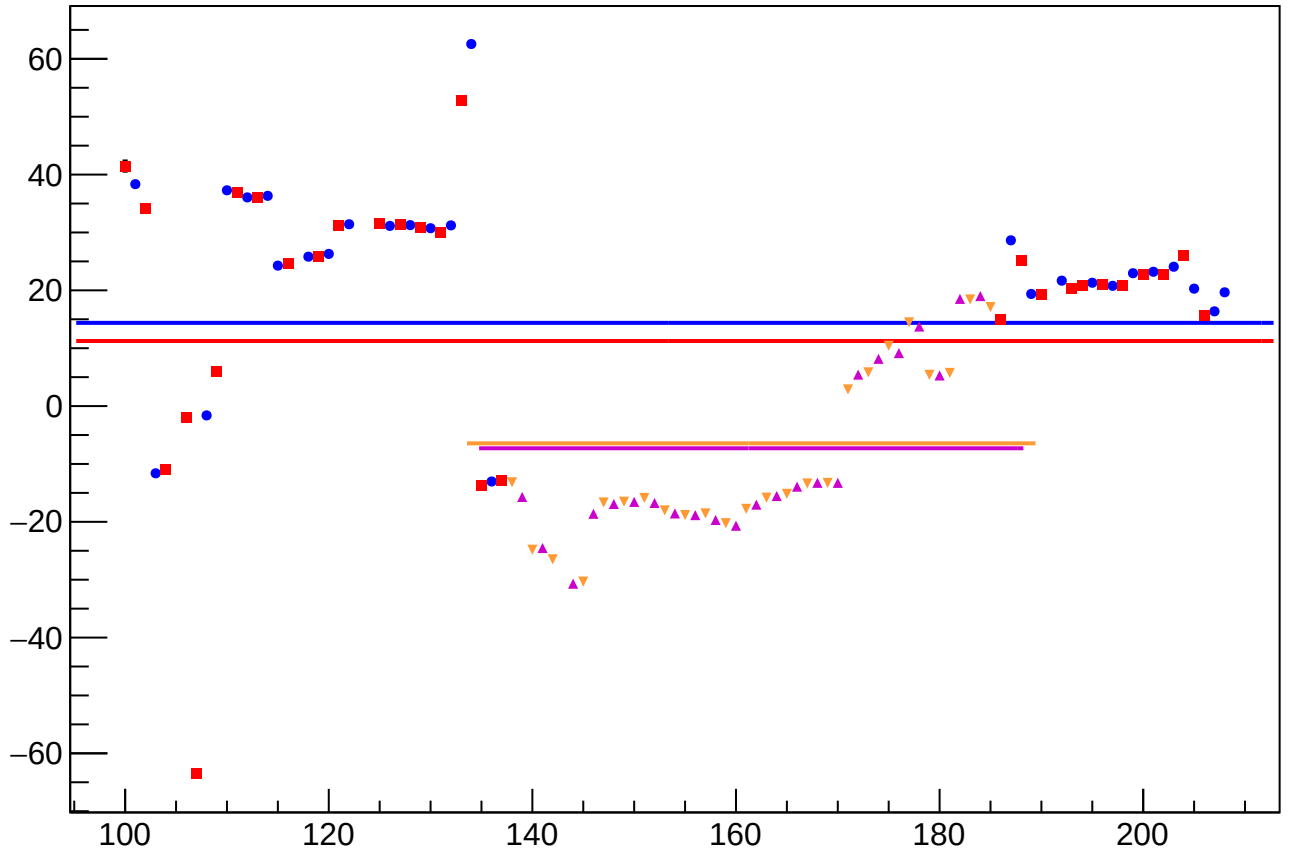
Right Out: -6.983+/-1.026 χ^2/NDF: 792.8/28

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -5.396+/-0.414 χ^2/NDF: 2947.6/50

All: -5.087+/-0.294 χ^2/NDF: 5601.3/102

- sign -4.771+/-0.419 χ^2/NDF: 2652.6/51



Right In: 14.380+/-0.051 χ^2/NDF: 175468.7/26

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

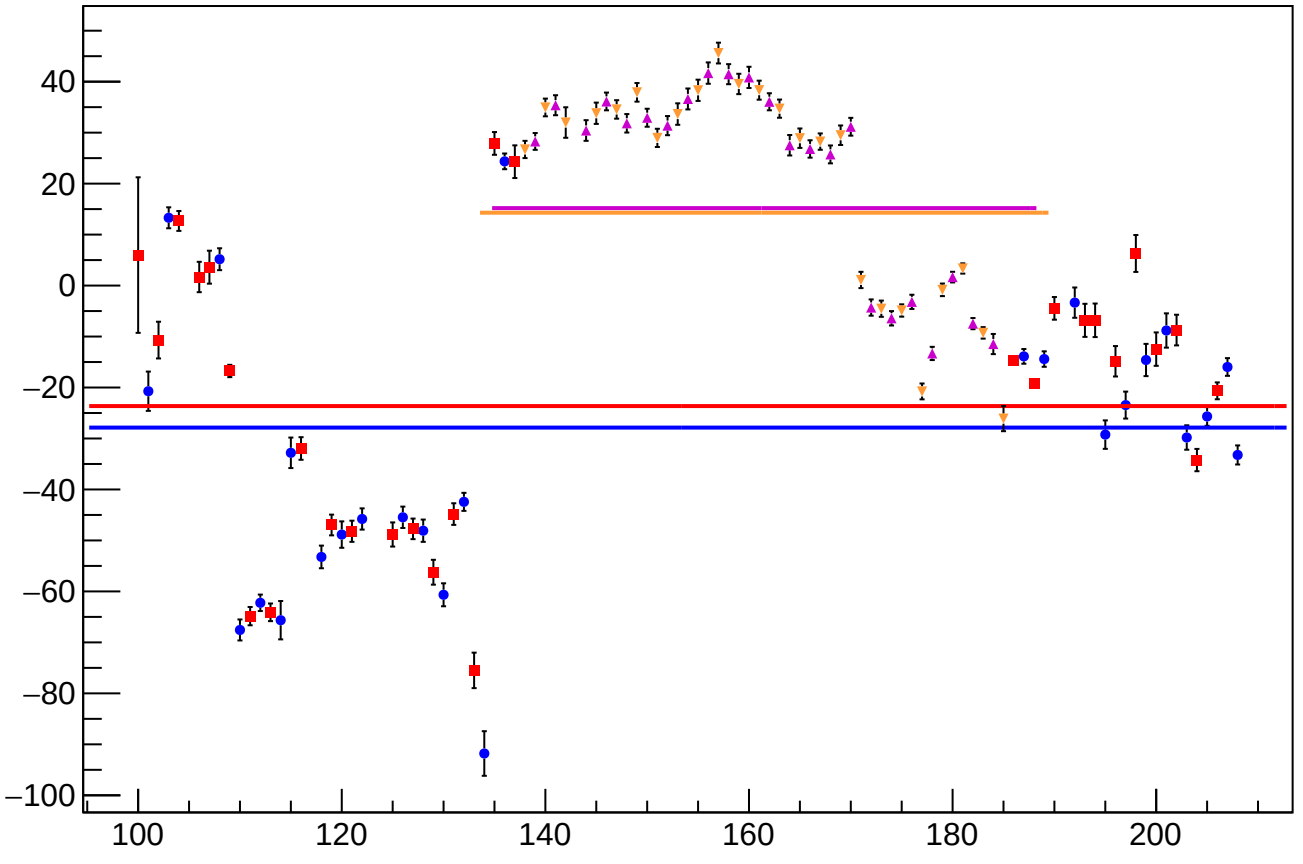
Right Out: 11.243+/-0.051 χ^2/NDF: 177898.6/28

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -3.588+/-0.019 χ^2/NDF: 817628.8/50

All: -4.153+/-0.013 χ^2/NDF: 1601138.9/102

- sign -4.723+/-0.019 χ^2/NDF: 781687.8/51



Right In: -27.861+/-0.411 χ^2/NDF: 3989.3/26

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -23.641+/-0.361 χ^2/NDF: 3800.2/28

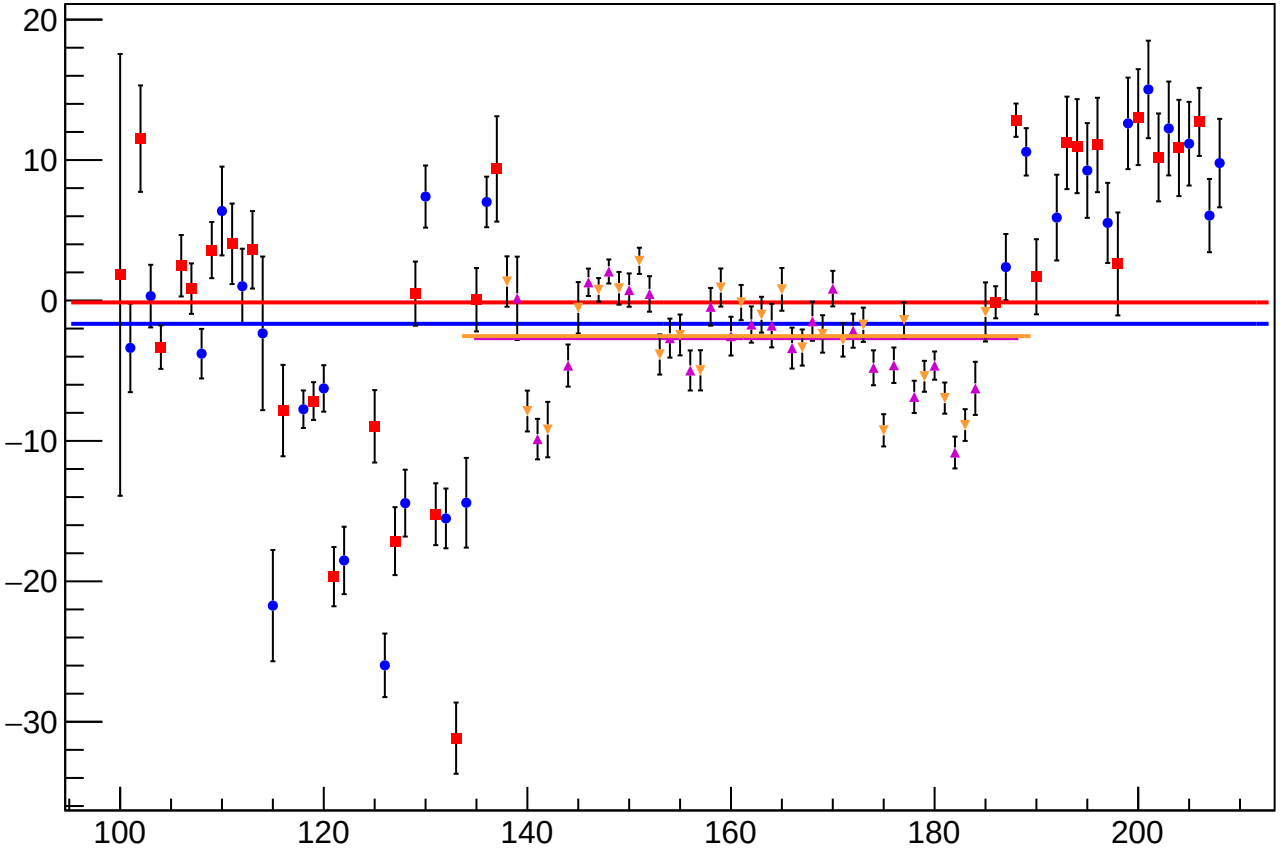
Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -2.526+/-0.260 χ^2/NDF: 14026.5/50

All: -2.778+/-0.179 χ^2/NDF: 27370.2/102

- sign -3.006+/-0.247 χ^2/NDF: 13341.9/51

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -1.661+/-0.459 χ^2/NDF: 534.7/26

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -0.137+/-0.411 χ^2/NDF: 624.6/28

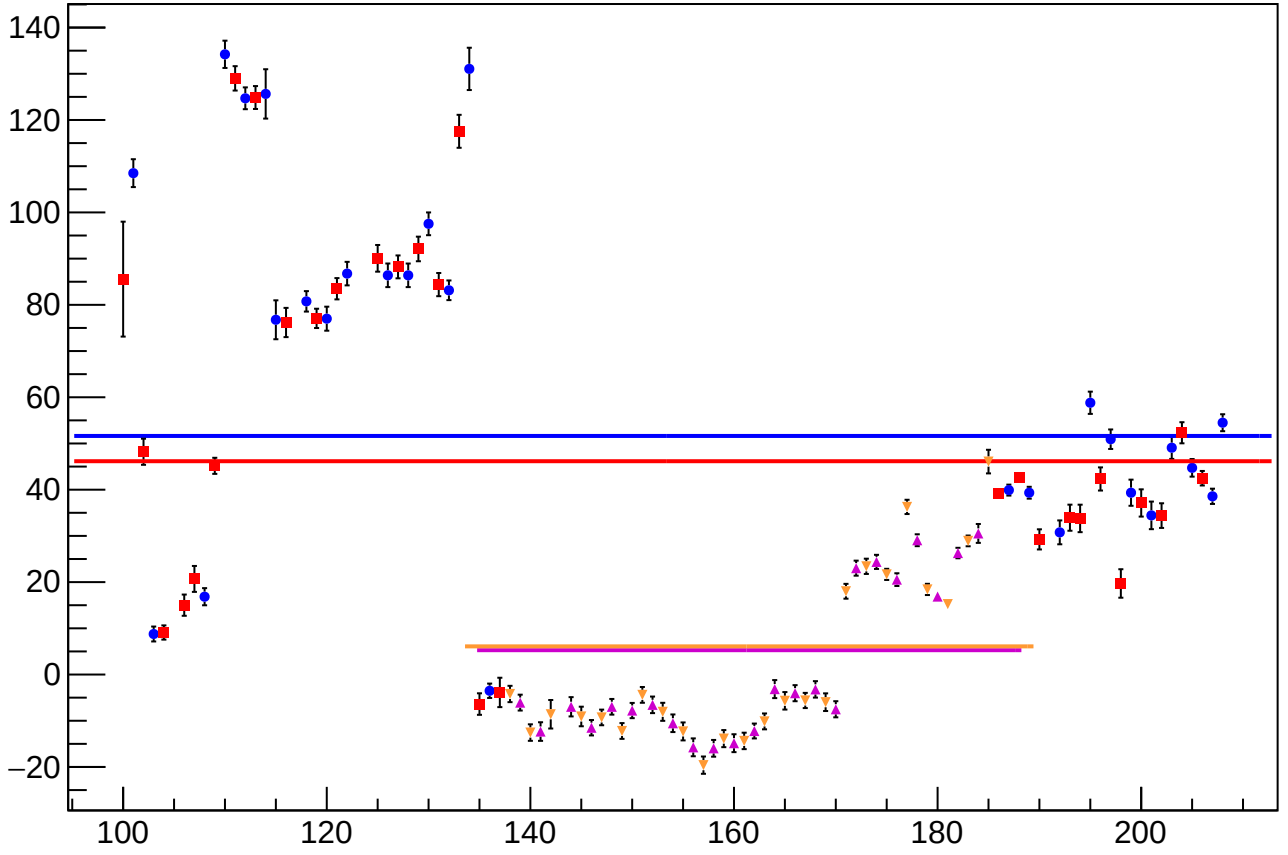
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -2.326+/-0.226 χ^2/NDF: 735.8/50

All: -2.127+/-0.158 χ^2/NDF: 1571.2/102

- sign -1.934+/-0.223 χ^2/NDF: 833.8/51

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 51.629+/-0.407 χ^2/NDF: 6730.7/26

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

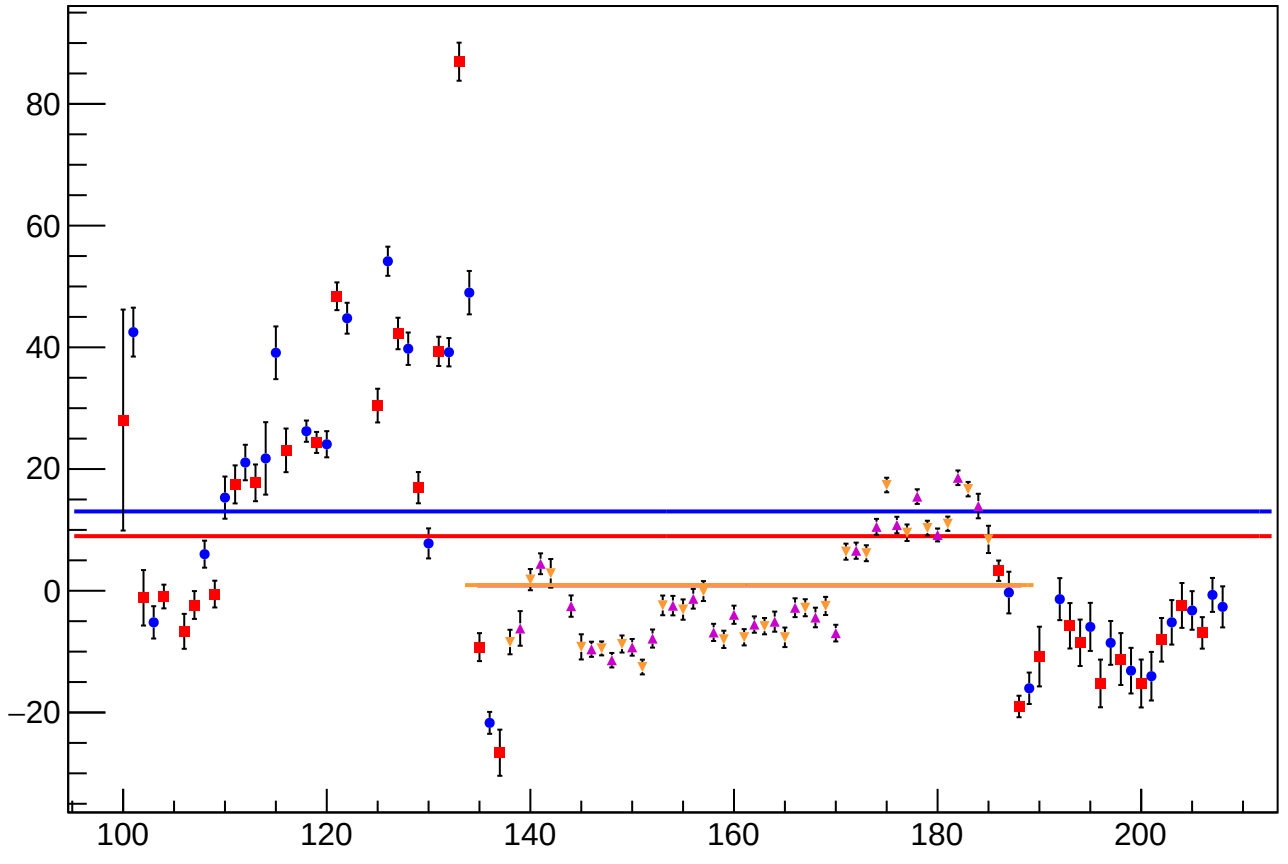
Right Out: 46.163+/-0.343 χ^2/NDF: 5958.9/28

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

\+ sign 24.360+/-0.258 χ^2/NDF: 17010.8/50

All: 24.865+/-0.176 χ^2/NDF: 32662.3/102

\- sign 25.304+/-0.240 χ^2/NDF: 15644.3/51



Right In: 13.034+/-0.540 χ^2/NDF: 1807.6/26

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

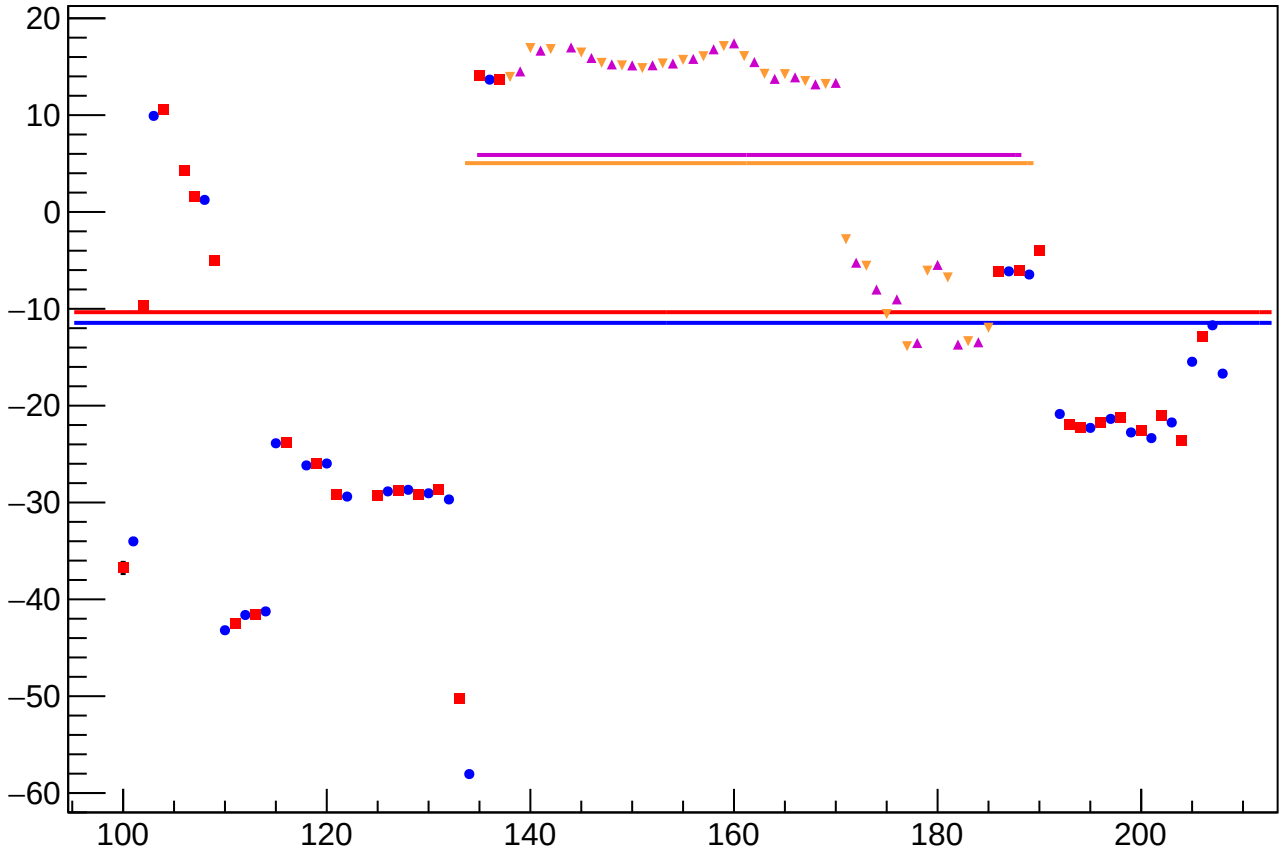
Right Out: 8.975+/-0.502 χ^2/NDF: 2165.5/28

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 3.662+/-0.257 χ^2/NDF: 3237.8/50

All: 3.318+/-0.181 χ^2/NDF: 6605.3/102

- sign 2.977+/-0.256 χ^2/NDF: 3363.9/51



Right In: -11.451+/-0.025 χ^2/NDF: 489444.3/26

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

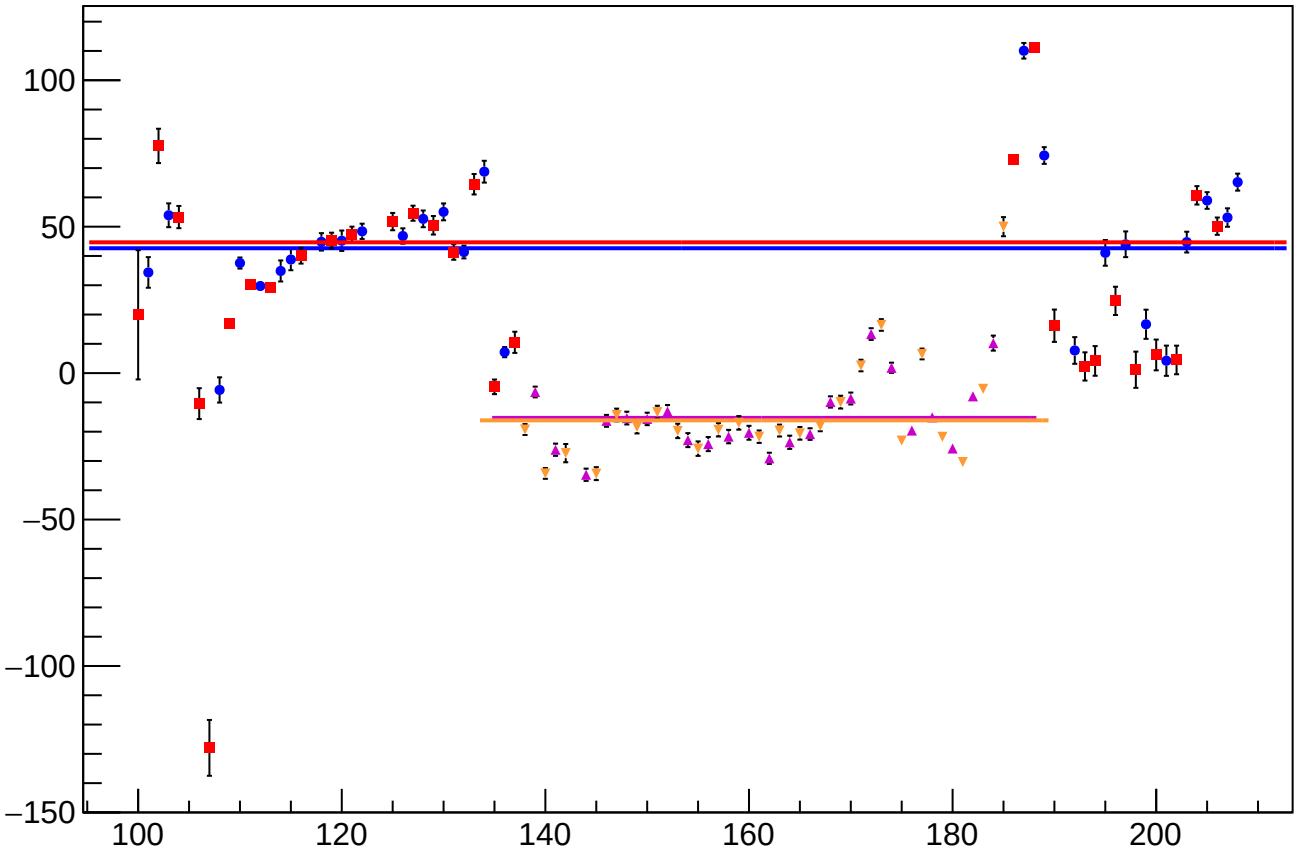
Right Out: -10.347+/-0.024 χ^2/NDF: 407371.3/28

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 1.449+/-0.012 χ^2/NDF: 1692381.0/50

All: 1.814+/-0.008 χ^2/NDF: 3296278.8/102

- sign 2.179+/-0.012 χ^2/NDF: 1601899.3/51



Right In: 42.632+/-0.556 χ^2/NDF: 1730.6/26

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 44.657+/-0.515 χ^2/NDF: 4094.4/28

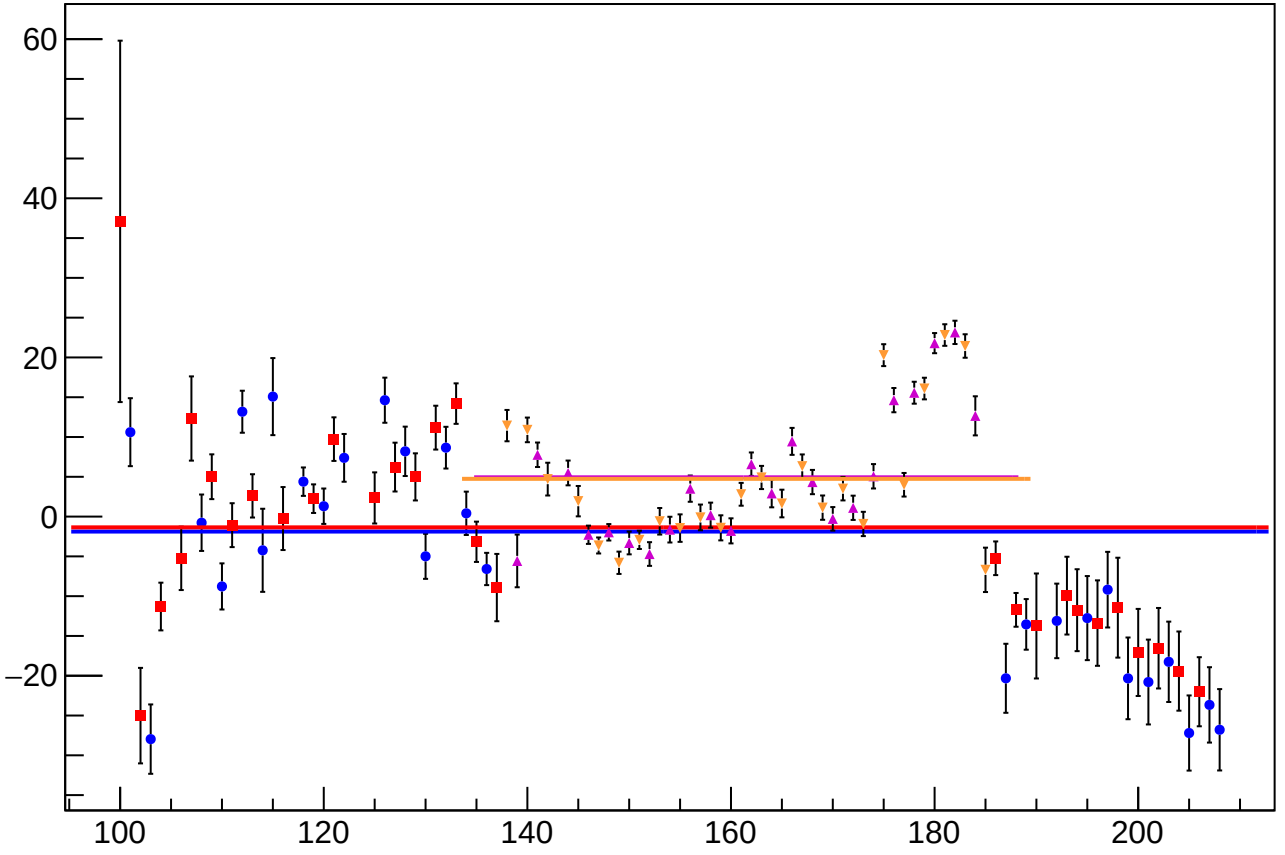
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

\+ sign 3.778+/-0.324 χ^2/NDF: 10485.3/50

All: 5.667+/-0.227 χ^2/NDF: 23807.8/102

\- sign 7.485+/-0.317 χ^2/NDF: 13255.6/51

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -1.881+/-0.626 χ^2/NDF: 340.5/26

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -1.353+/-0.605 χ^2/NDF: 237.2/28

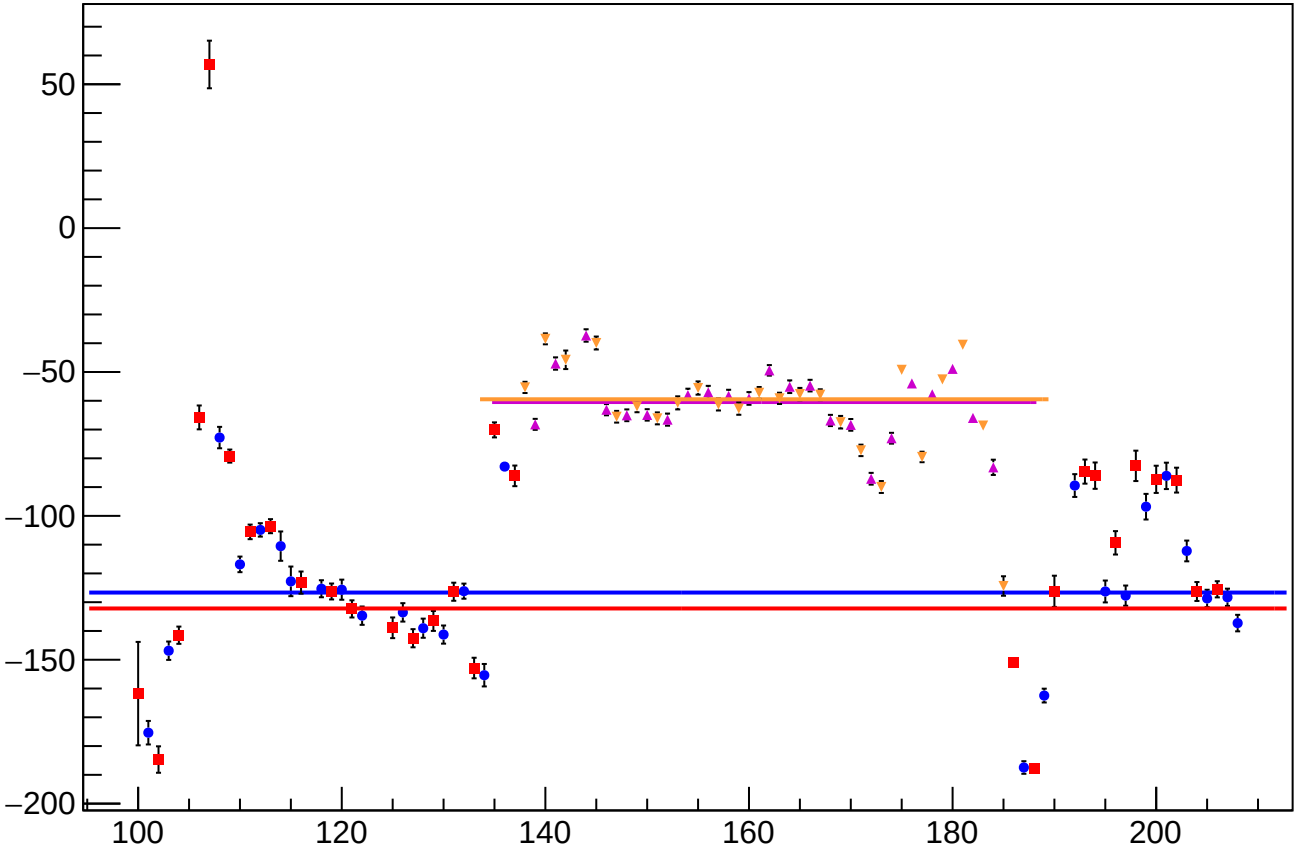
Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.464+/-0.275 χ^2/NDF: 1224.5/50

All: 3.536+/-0.196 χ^2/NDF: 2235.4/102

- sign 3.609+/-0.278 χ^2/NDF: 1010.7/51

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -126.650+/-0.591 χ^2/NDF: 2463.3/26

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

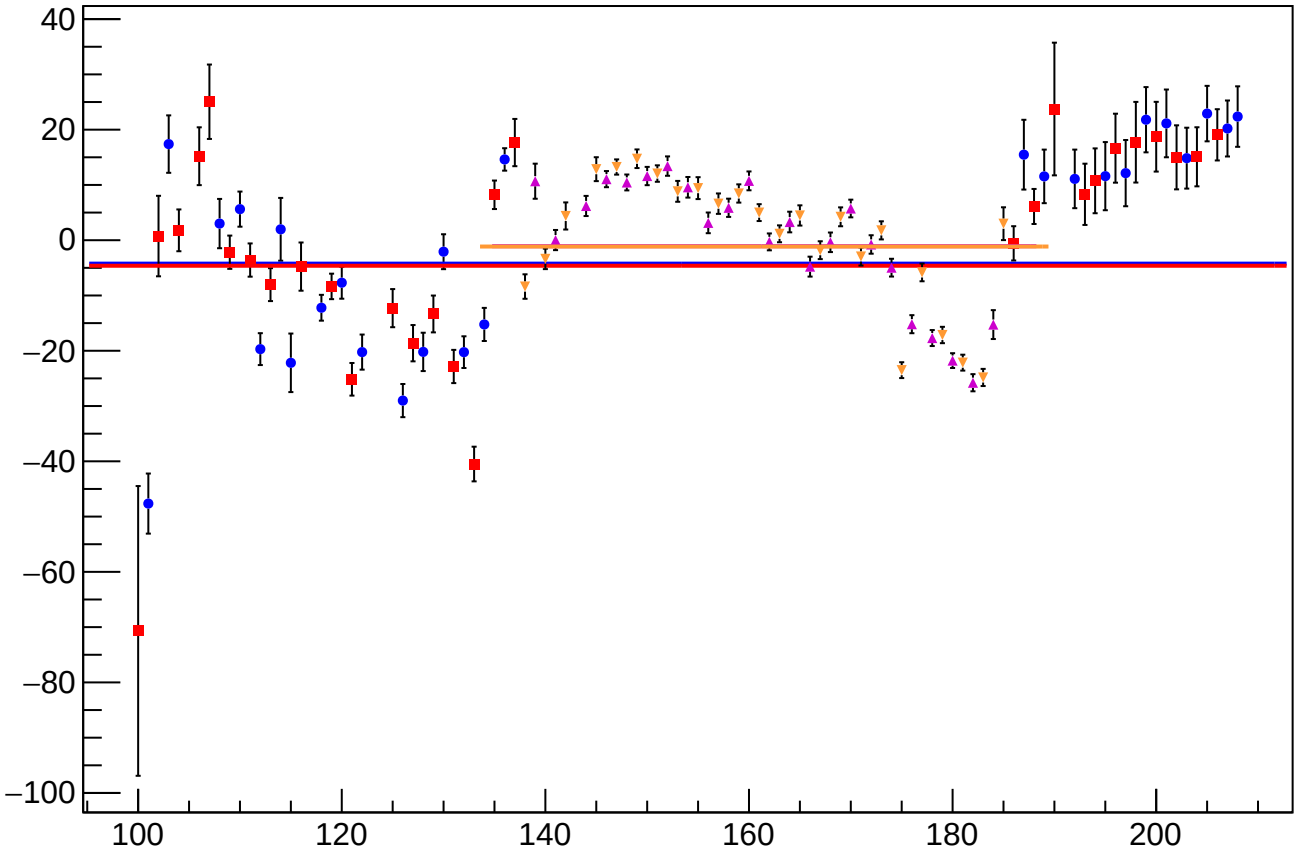
Right Out: -132.181+/-0.536 χ^2/NDF: 5325.2/28

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -80.200+/-0.328 χ^2/NDF: 12759.1/50

All: -83.210+/-0.229 χ^2/NDF: 30441.1/102

\- sign -86.073+/-0.320 χ^2/NDF: 17518.2/51



Right In: -4.237+/-0.718 χ^2/NDF: 561.8/26

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

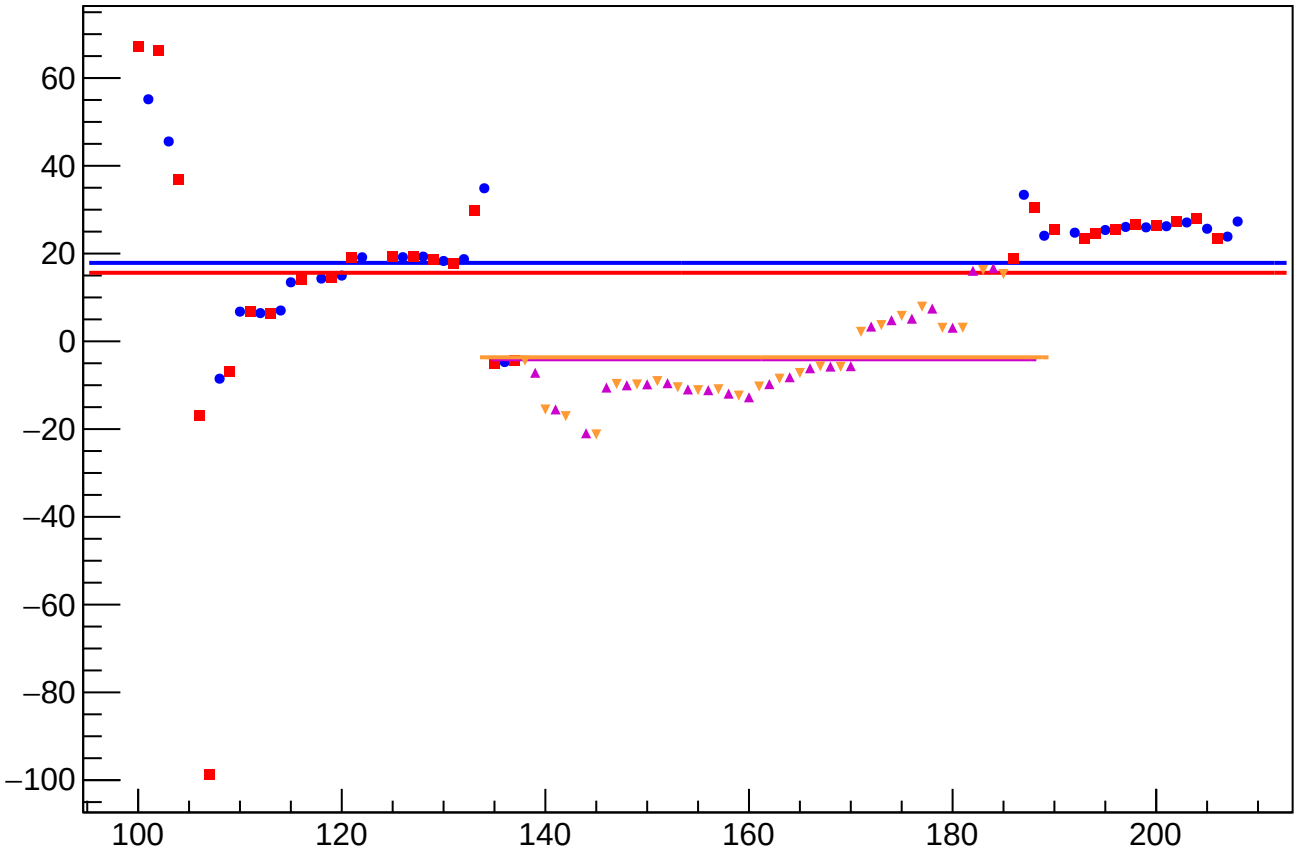
Right Out: -4.619+/-0.711 χ^2/NDF: 463.2/28

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -1.725+/-0.311 χ^2/NDF: 1879.8/50

All: -1.751+/-0.222 χ^2/NDF: 3520.3/102

- sign -1.777+/-0.315 χ^2/NDF: 1640.5/51



Right In: 17.877+/-0.036 χ^2/NDF: 211514.2/26

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

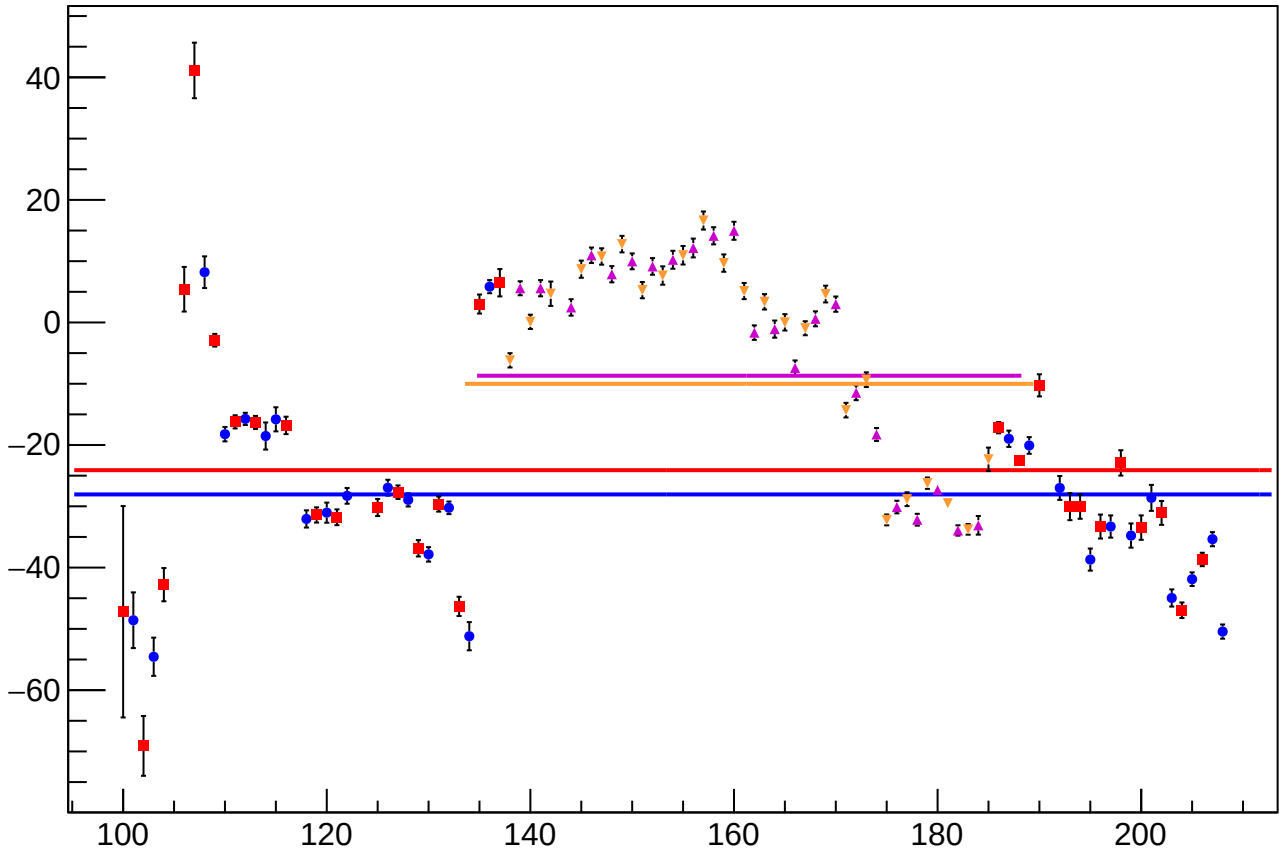
Right Out: 15.620+/-0.037 χ^2/NDF: 343148.5/28

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -0.329+/-0.014 χ^2/NDF: 855687.1/50

All: -0.712+/-0.010 χ^2/NDF: 1778064.7/102

- sign -1.099+/-0.014 χ^2/NDF: 920917.2/51



Right In: -28.060+/-0.273 χ^2/NDF: 2602.7/26

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

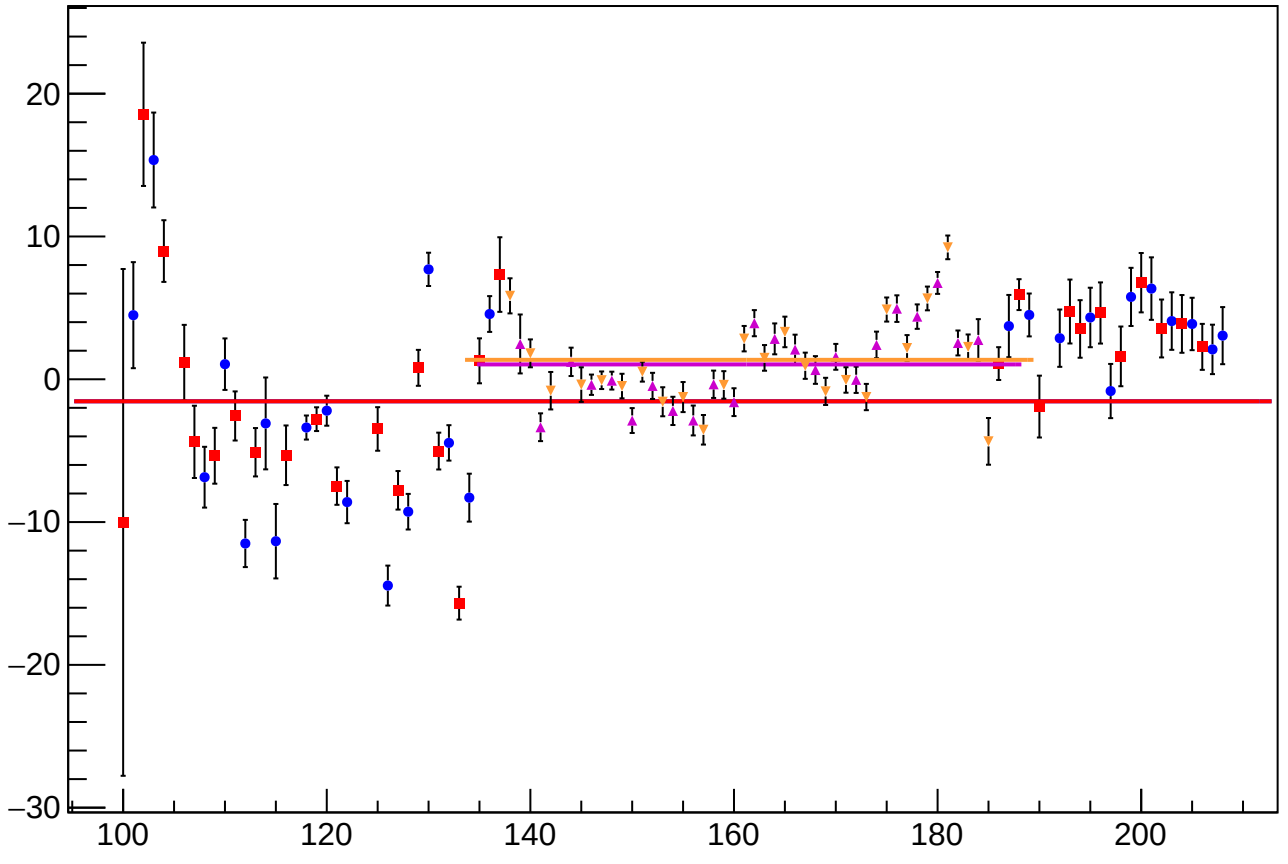
Right Out: -24.104+/-0.264 χ^2/NDF: 2557.2/28

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -18.039+/-0.182 χ^2/NDF: 10006.7/50

All: -16.967+/-0.128 χ^2/NDF: 19469.8/102

- sign -15.913+/-0.181 χ^2/NDF: 9394.4/51



Right In: -1.542+/-0.307 χ^2/NDF: 434.2/26

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

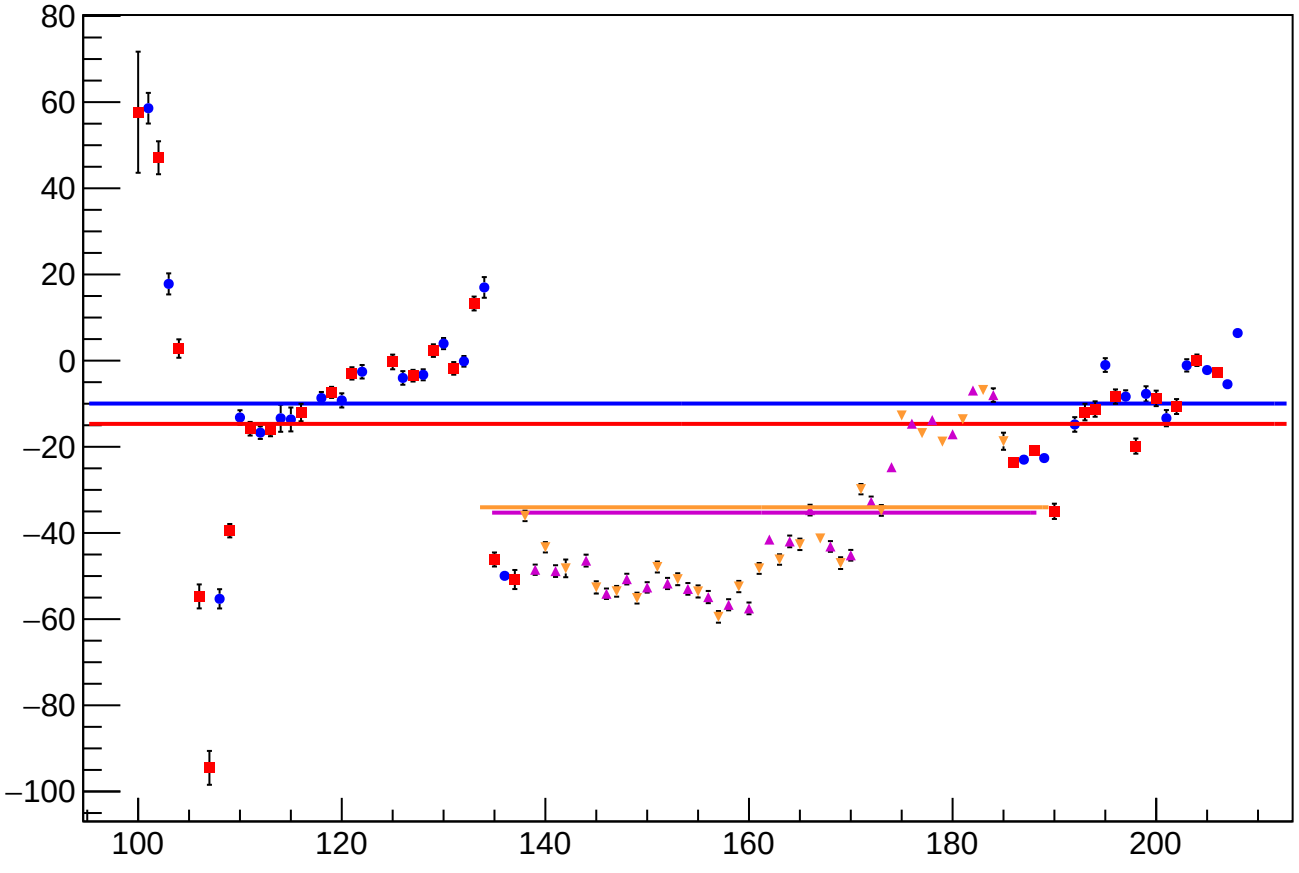
Right Out: -1.543+/-0.300 χ^2/NDF: 389.2/28

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.568+/-0.161 χ^2/NDF: 739.4/50

All: 0.430+/-0.114 χ^2/NDF: 1378.7/102

- sign 0.288+/-0.162 χ^2/NDF: 637.8/51



Right In: -9.962+/-0.286 χ^2/NDF: 3282.5/26

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -14.681+/-0.267 χ^2/NDF: 3307.2/28

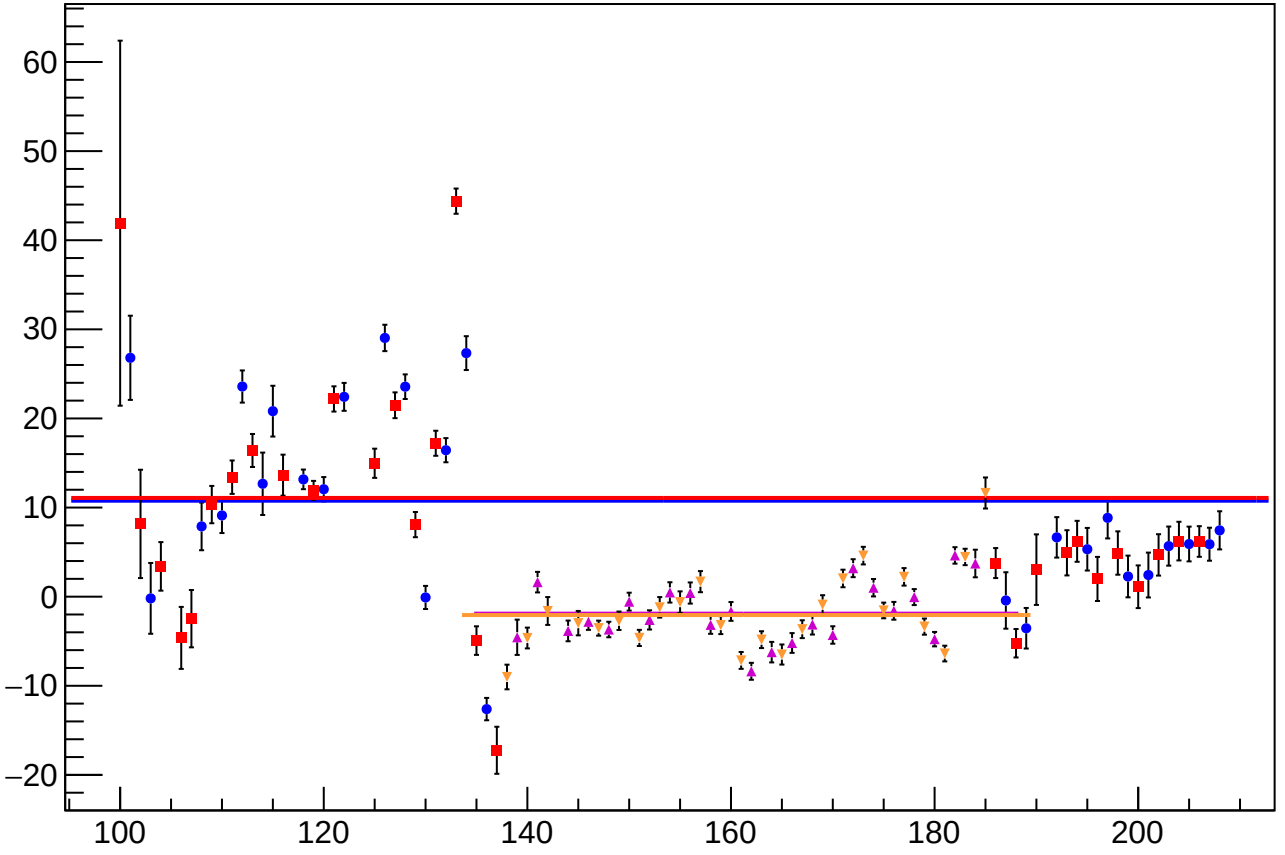
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

+ sign -23.946+/-0.185 χ^2/NDF: 12377.7/50

All: -24.925+/-0.129 χ^2/NDF: 23961.3/102

- sign -25.862+/-0.181 χ^2/NDF: 11528.6/51

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.770+/-0.354 χ^2/NDF: 1000.4/26

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

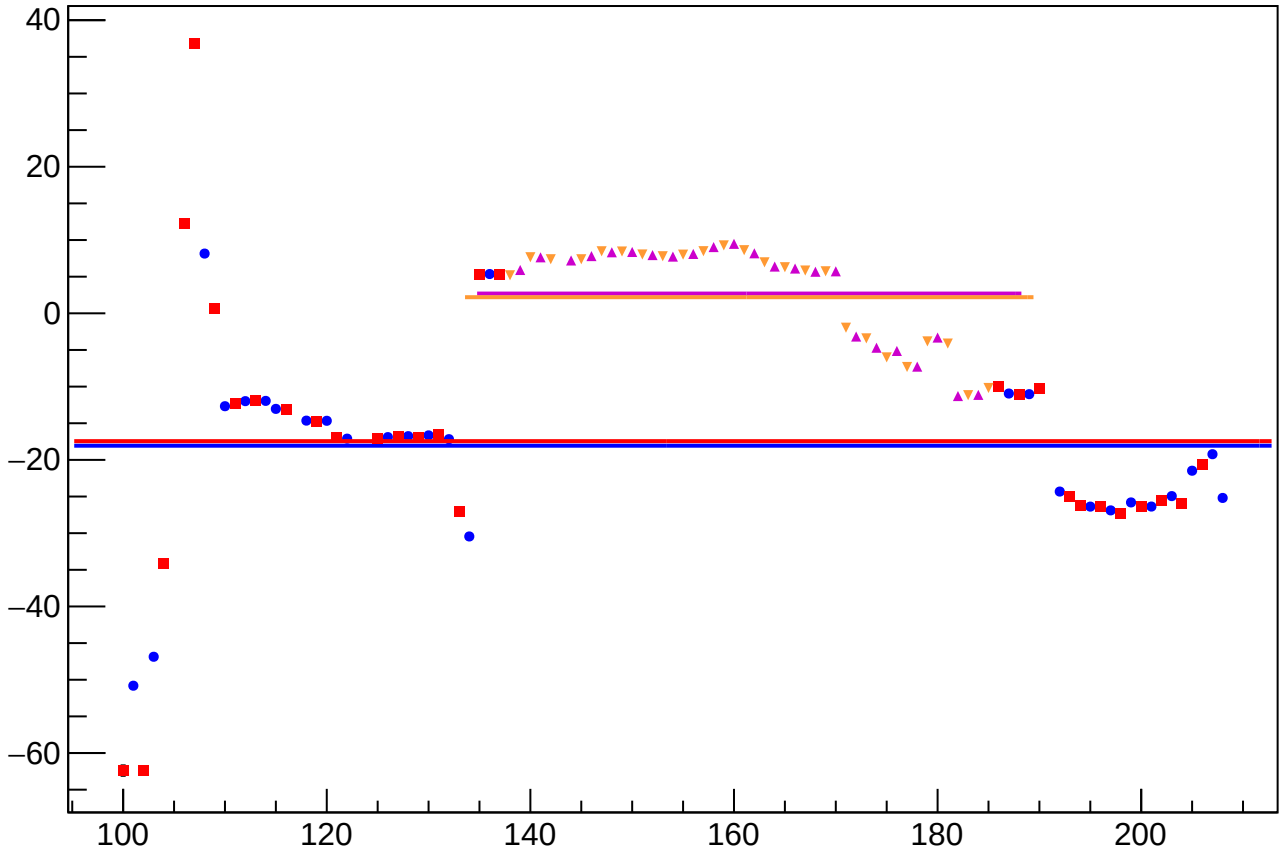
Right Out: 11.080+/-0.354 χ^2/NDF: 1166.9/28

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

+ sign 1.333+/-0.182 χ^2/NDF: 2299.8/50

All: 1.478+/-0.130 χ^2/NDF: 4671.7/102

- sign 1.628+/-0.184 χ^2/NDF: 2370.6/51



Right In: -18.064+/-0.018 χ^2/NDF: 505477.5/26

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -17.443+/-0.018 χ^2/NDF: 583087.2/28

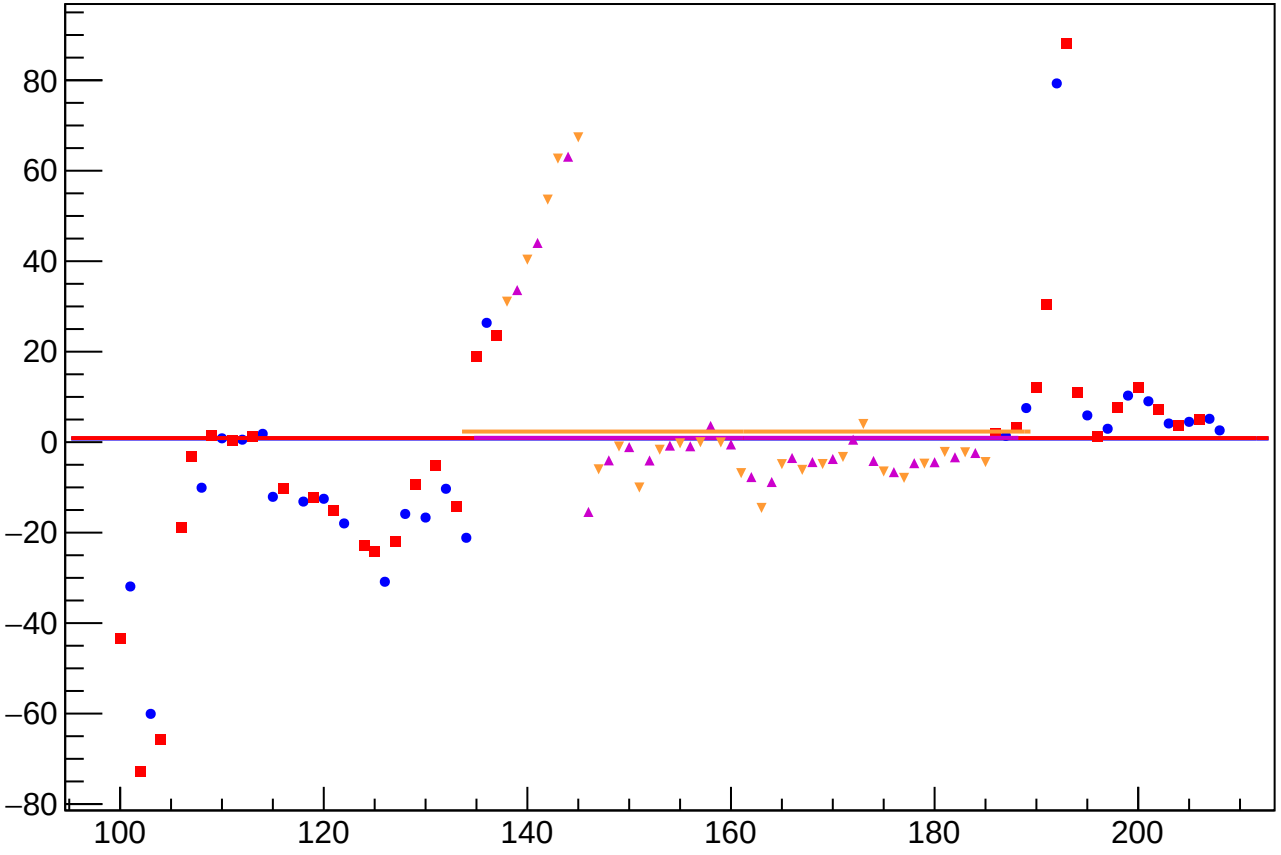
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

+ sign -2.319+/-0.008 χ^2/NDF: 2029133.2/50

All: -2.061+/-0.006 χ^2/NDF: 4104505.7/102

- sign -1.799+/-0.008 χ^2/NDF: 2073455.8/51

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 0.795+/-0.039 χ^2/NDF: 119573.8/26

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 0.905+/-0.036 χ^2/NDF: 120624.0/30

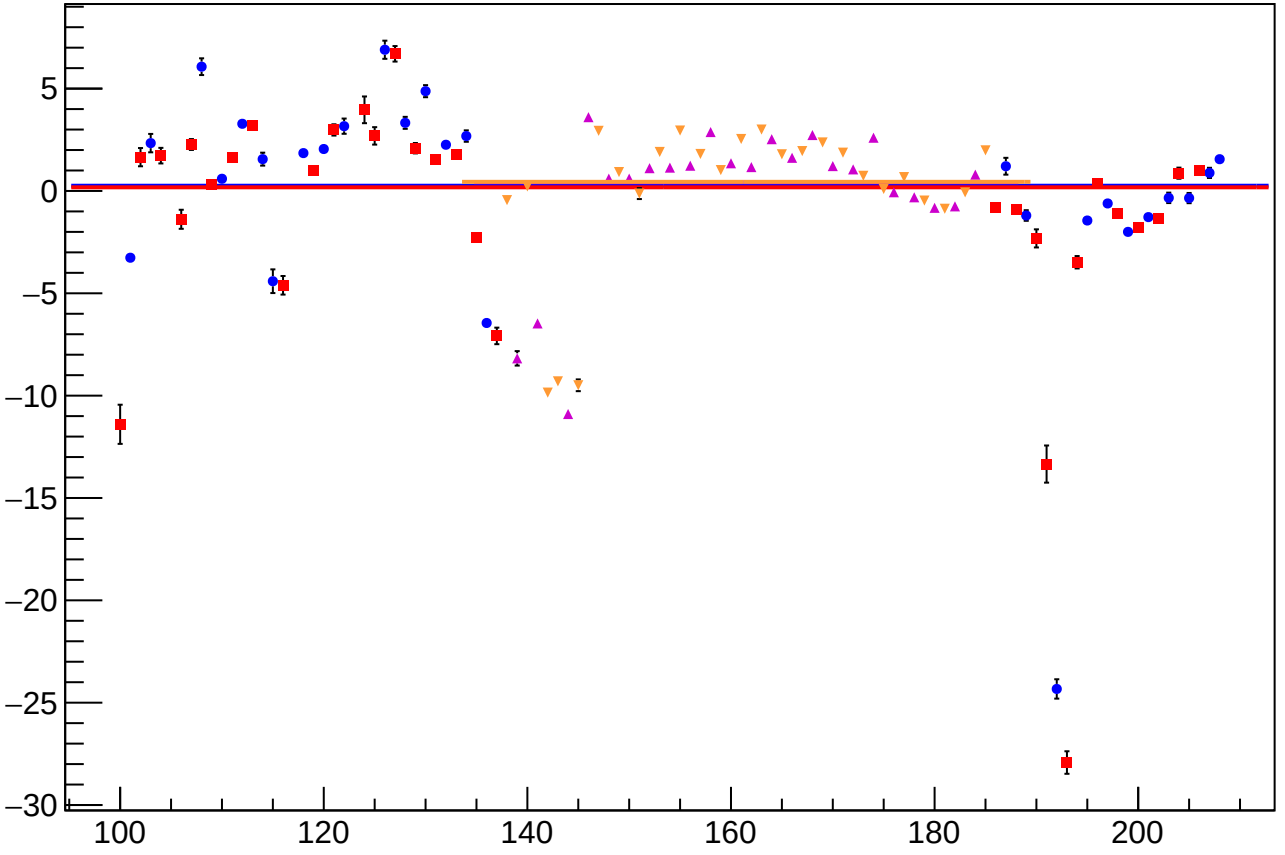
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 1.548+/-0.028 χ^2/NDF: 297316.1/51

All: 1.222+/-0.019 χ^2/NDF: 550717.2/105

- sign 0.928+/-0.027 χ^2/NDF: 253144.8/53

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.255+/-0.047 χ^2/NDF: 5862.5/26

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.178+/-0.045 χ^2/NDF: 5090.8/30

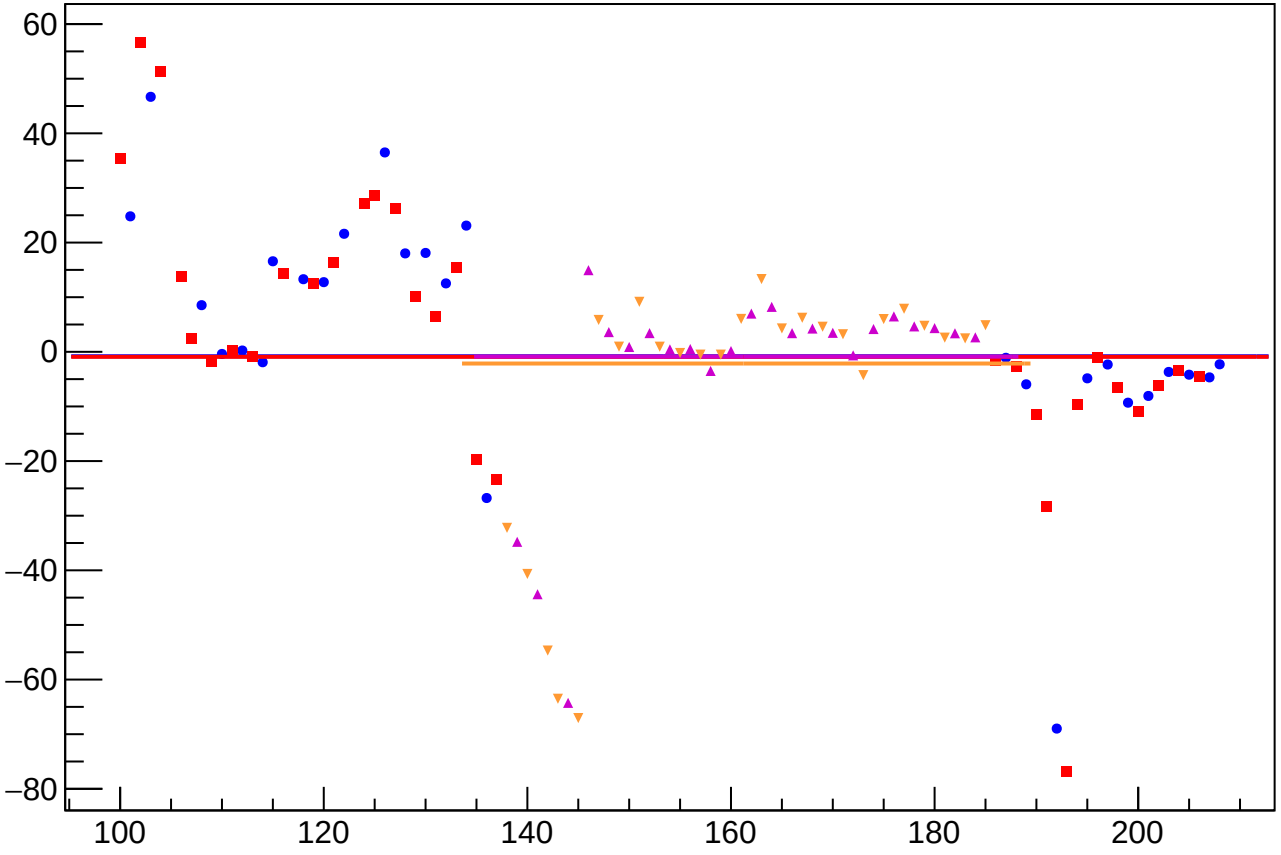
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.383+/-0.027 χ^2/NDF: 12918.0/51

All: 0.363+/-0.019 χ^2/NDF: 25133.0/105

- sign 0.345+/-0.026 χ^2/NDF: 12214.0/53

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -0.813+/-0.040 χ^2/NDF: 118359.0/26

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -0.915+/-0.038 χ^2/NDF: 118926.7/30

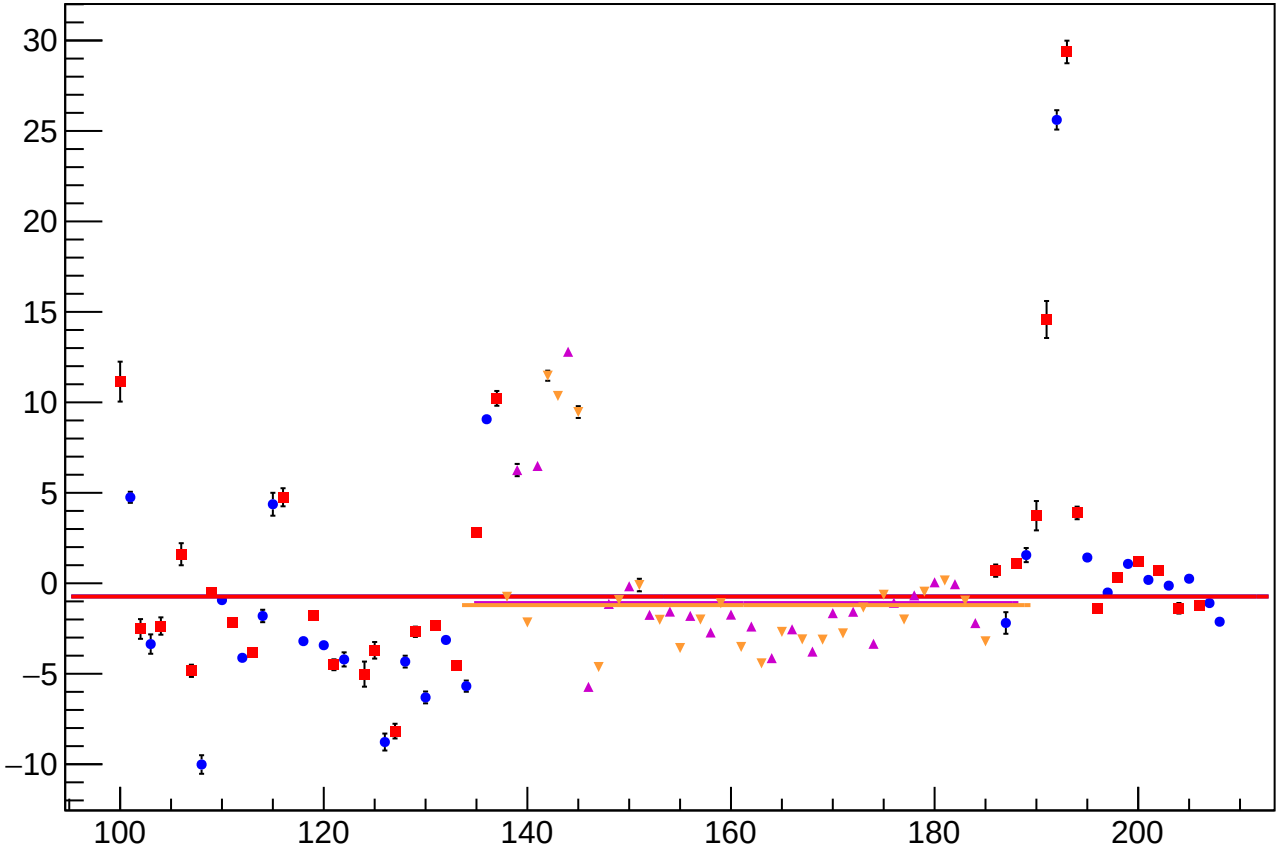
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -1.481+/-0.029 χ^2/NDF: 290173.2/51

All: -1.177+/-0.020 χ^2/NDF: 538515.7/105

- sign -0.899+/-0.027 χ^2/NDF: 248125.0/53

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.725+/-0.054 χ^2/NDF: 7353.0/26

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

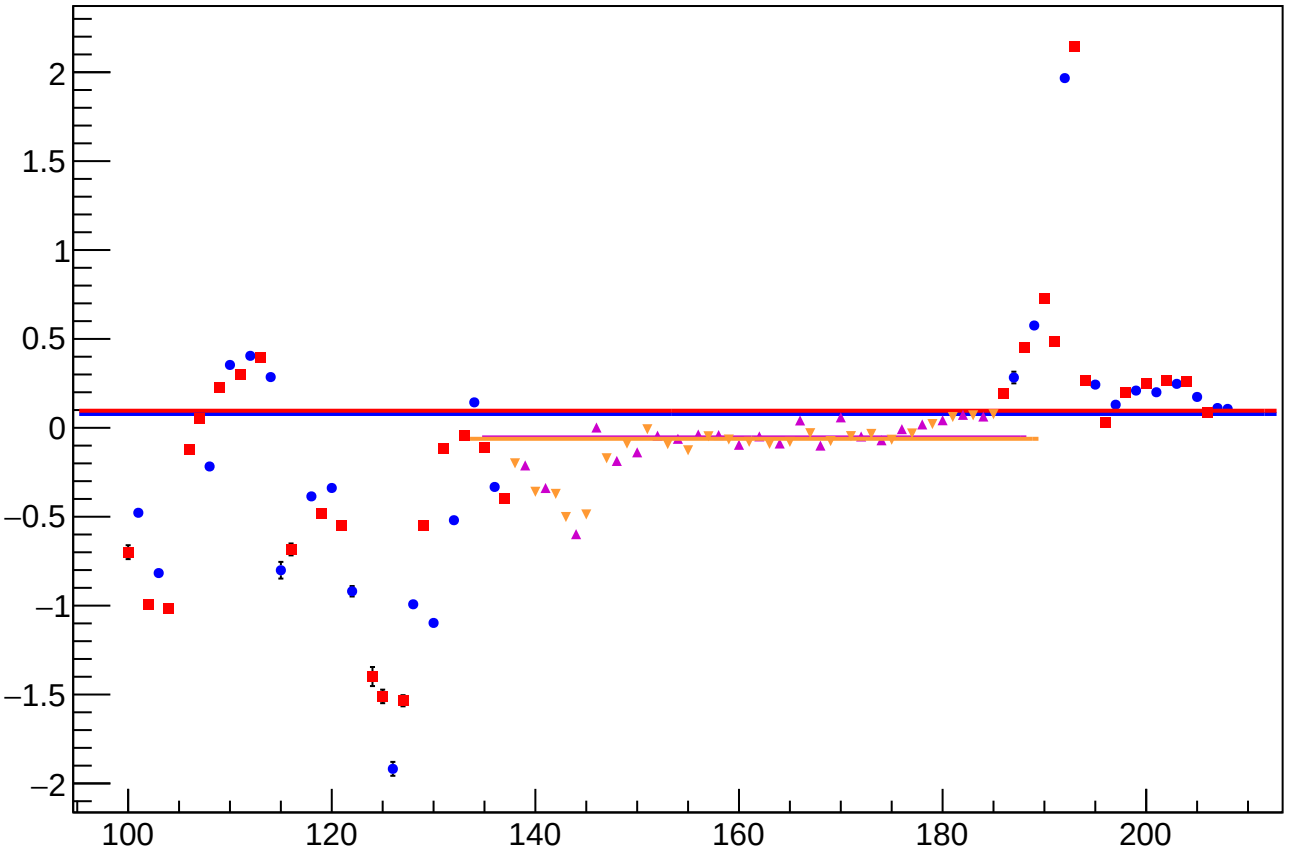
Right Out: -0.734+/-0.052 χ^2/NDF: 5610.9/30

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.056+/-0.030 χ^2/NDF: 14410.8/51

All: -1.017+/-0.021 χ^2/NDF: 27087.0/105

- sign -0.982+/-0.029 χ^2/NDF: 12673.1/53



Right In: 0.078+/-0.002 χ^2/NDF: 34006.7/26

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.096+/-0.002 χ^2/NDF: 34639.8/30

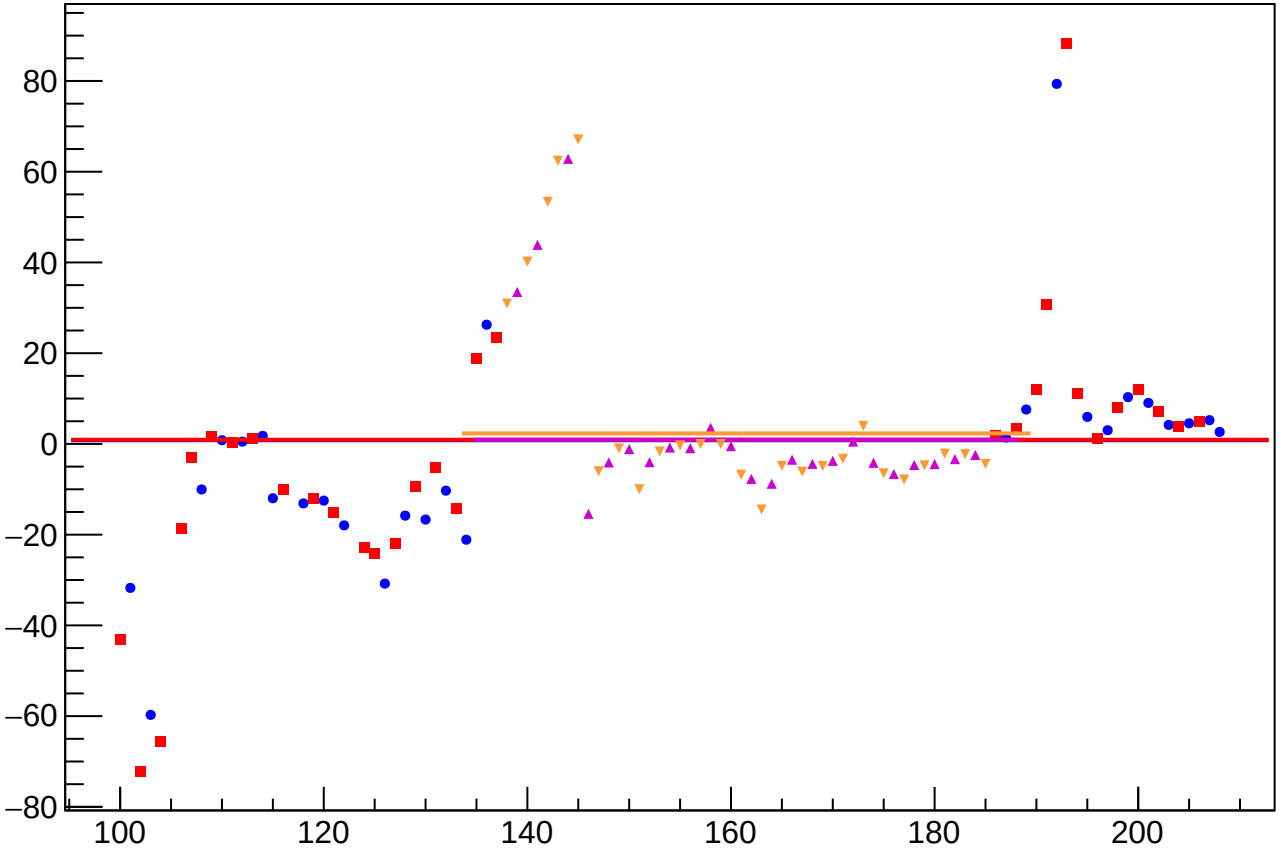
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.019+/-0.001 χ^2/NDF: 42092.8/51

All: -0.015+/-0.001 χ^2/NDF: 84668.7/105

- sign -0.011+/-0.001 χ^2/NDF: 42556.8/53

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 0.814+/-0.039 χ^2/NDF: 120072.1/26

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 0.922+/-0.036 χ^2/NDF: 121171.7/30

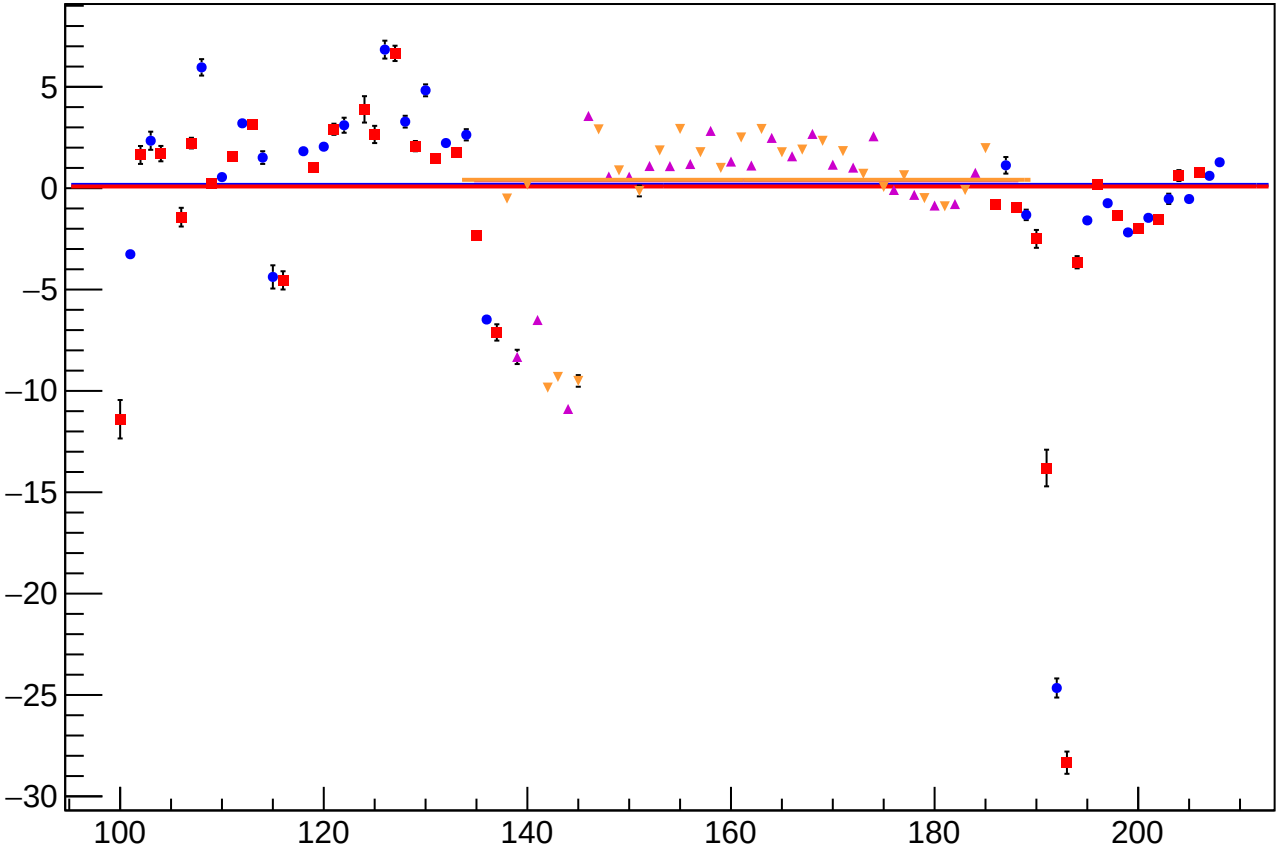
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 1.545+/-0.028 χ^2/NDF: 297540.5/51

All: 1.220+/-0.019 χ^2/NDF: 551373.4/105

- sign 0.928+/-0.027 χ^2/NDF: 253577.1/53

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.163+/-0.046 χ^2/NDF: 5987.1/26

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.084+/-0.044 χ^2/NDF: 5254.7/30

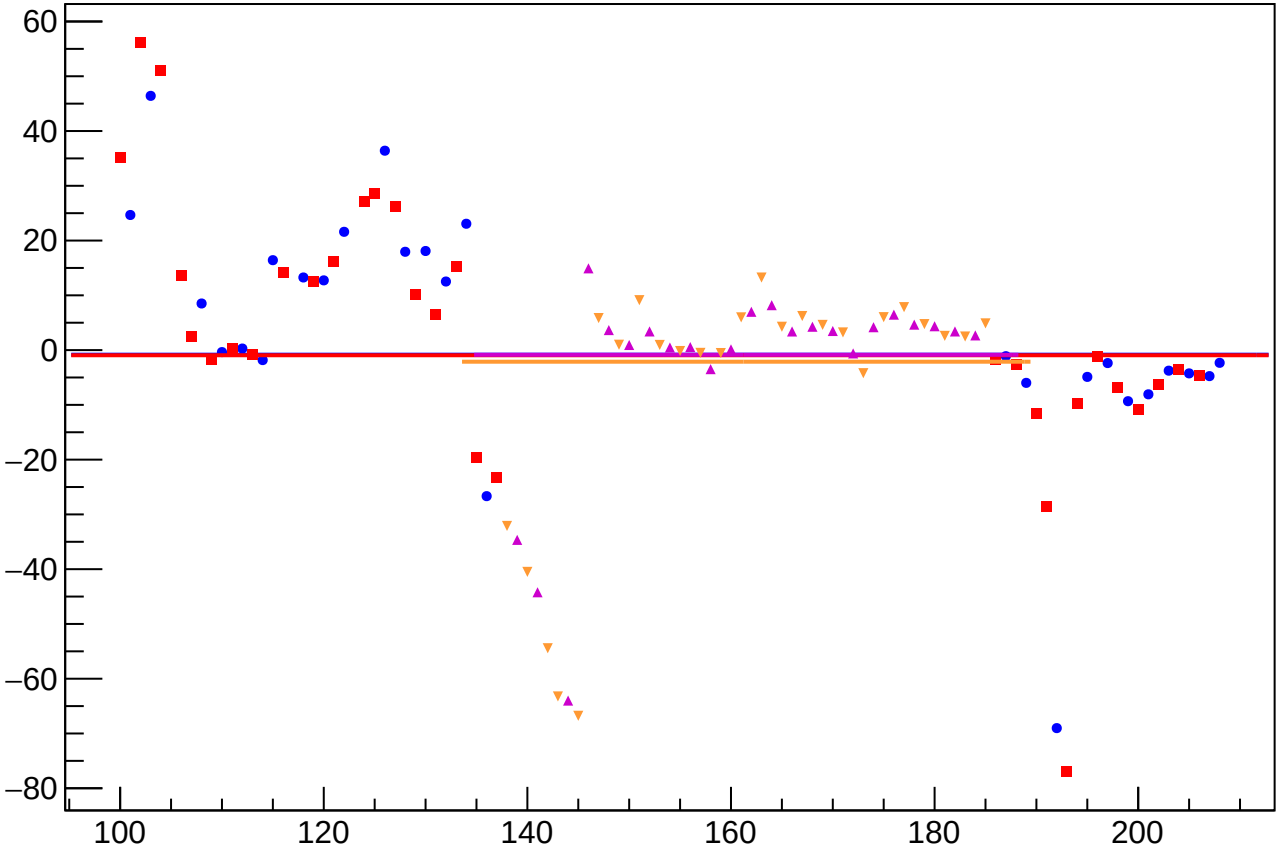
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.330+/-0.027 χ^2/NDF: 13053.9/51

All: 0.308+/-0.018 χ^2/NDF: 25455.5/105

- sign 0.288+/-0.026 χ^2/NDF: 12400.3/53

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -0.837+/-0.040 χ^2/NDF: 118824.9/26

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -0.940+/-0.038 χ^2/NDF: 119450.1/30

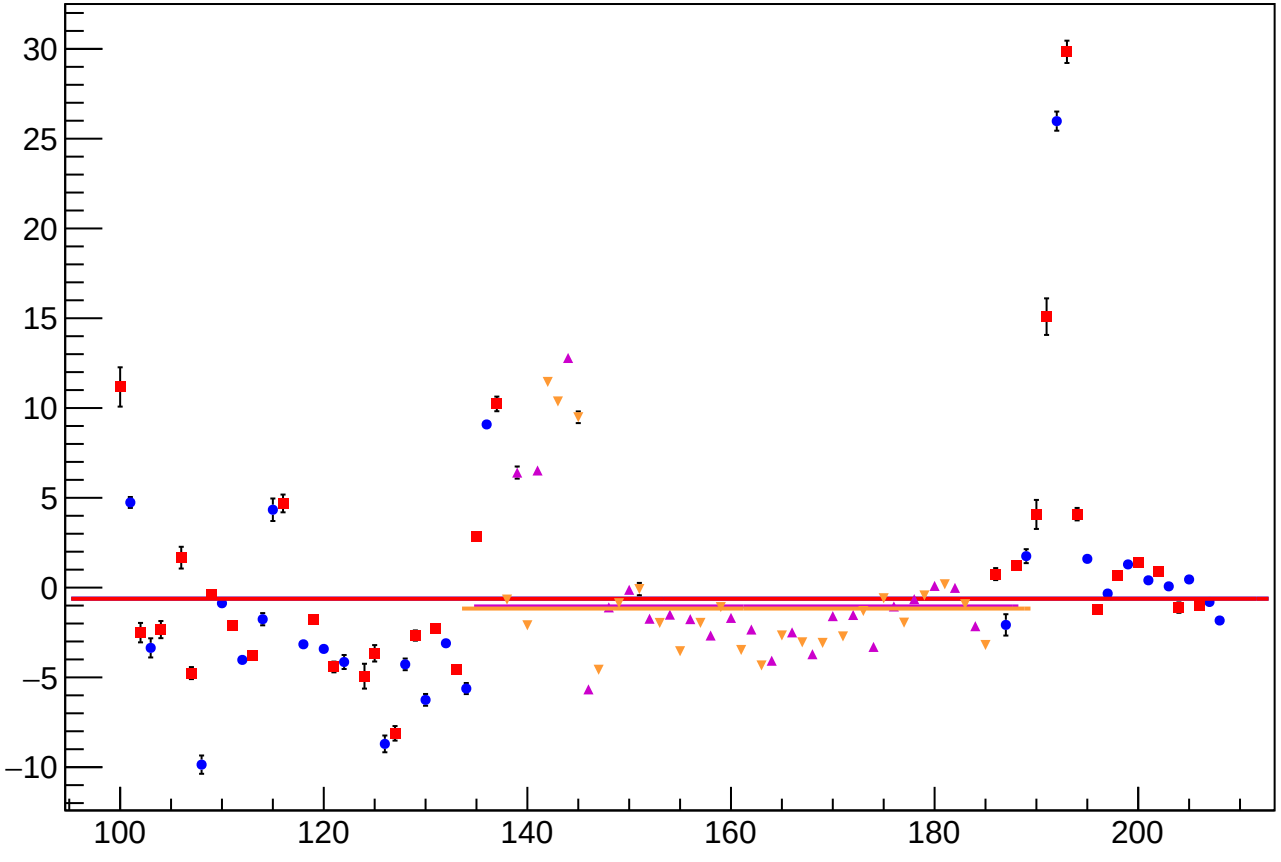
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -1.481+/-0.028 χ^2/NDF: 290373.6/51

All: -1.178+/-0.020 χ^2/NDF: 539128.1/105

- sign -0.901+/-0.027 χ^2/NDF: 248537.2/53

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.613+/-0.054 χ^2/NDF: 7461.3/26

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.622+/-0.052 χ^2/NDF: 5766.0/30

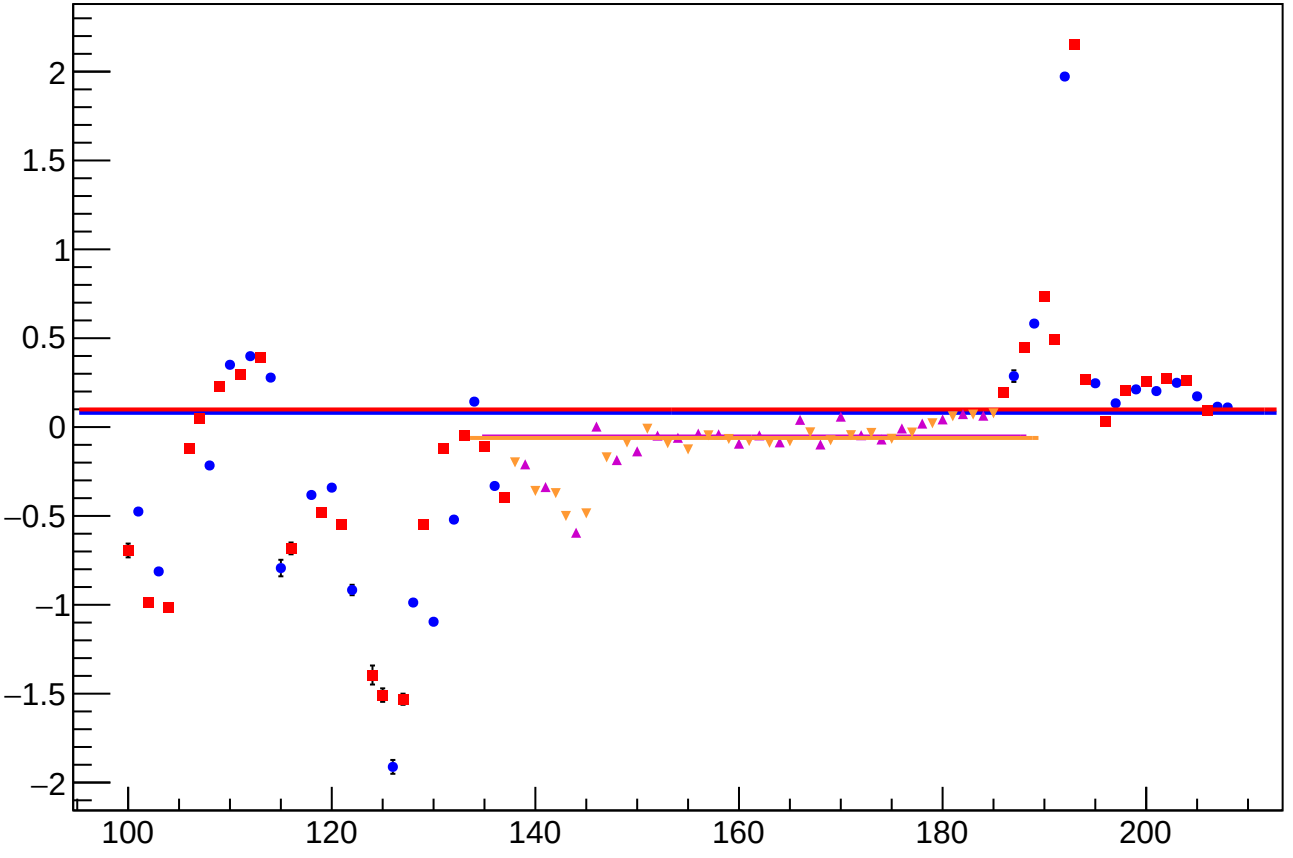
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -0.994+/-0.030 χ^2/NDF: 14536.1/51

All: -0.953+/-0.021 χ^2/NDF: 27393.4/105

- sign -0.915+/-0.029 χ^2/NDF: 12853.7/53

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.080+/-0.002 χ^2/NDF: 34278.0/26

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.099+/-0.002 χ^2/NDF: 34950.1/30

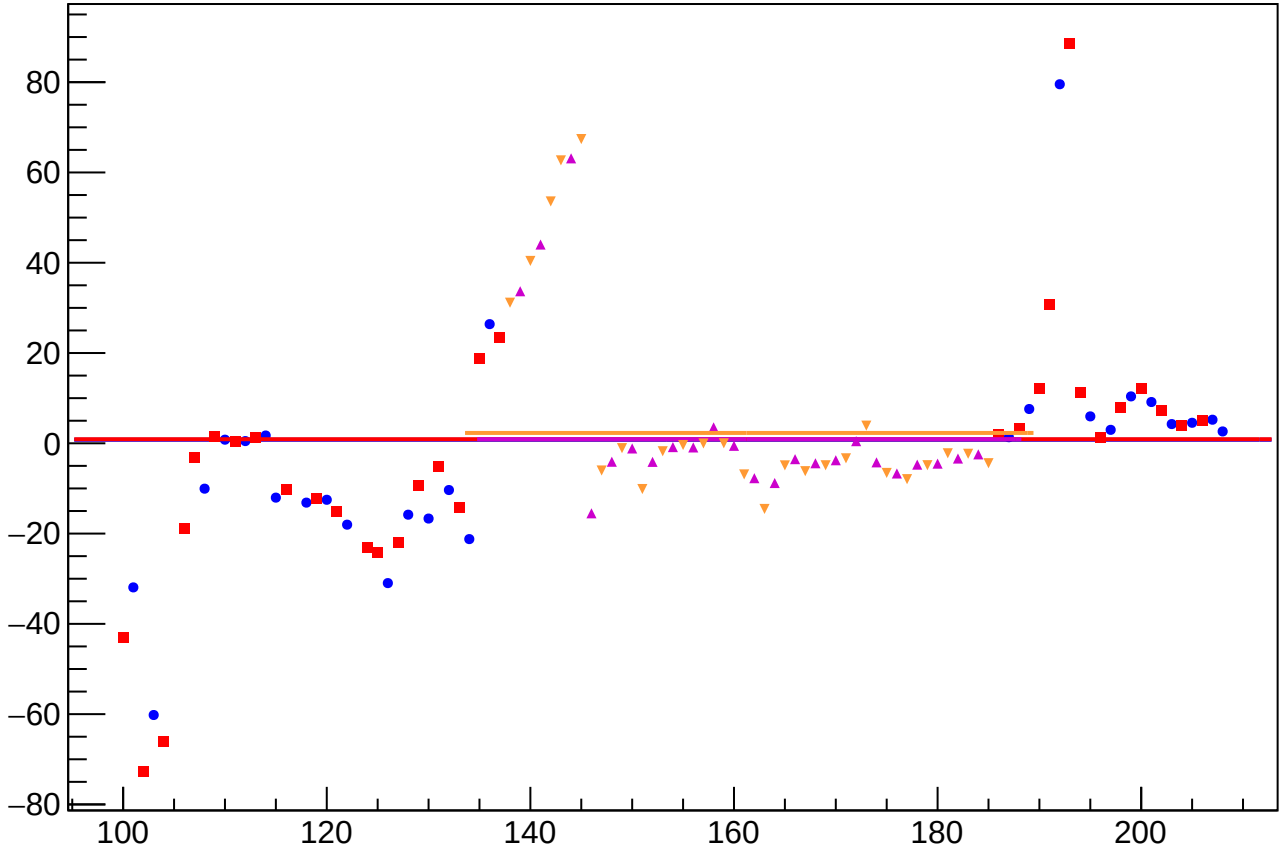
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.018+/-0.001 χ^2/NDF: 42464.5/51

All: -0.013+/-0.001 χ^2/NDF: 85435.3/105

- sign -0.009+/-0.001 χ^2/NDF: 42949.5/53

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 0.783+/-0.039 χ^2/NDF: 120113.2/26

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 0.901+/-0.036 χ^2/NDF: 121212.5/30

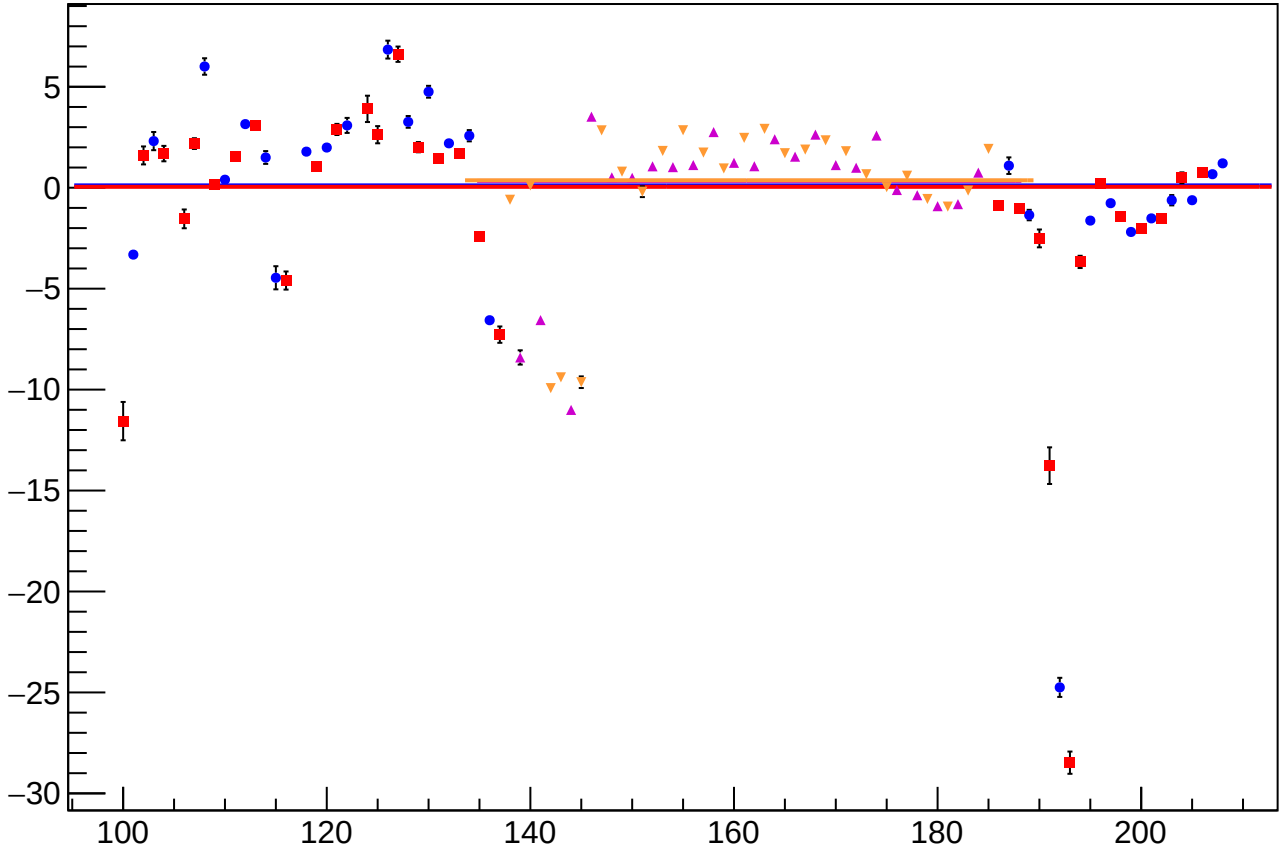
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 1.520+/-0.028 χ^2/NDF: 298022.0/51

All: 1.197+/-0.019 χ^2/NDF: 552059.5/105

- sign 0.906+/-0.027 χ^2/NDF: 253786.3/53

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.116+/-0.047 χ^2/NDF: 5973.5/26

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.045+/-0.045 χ^2/NDF: 5247.6/30

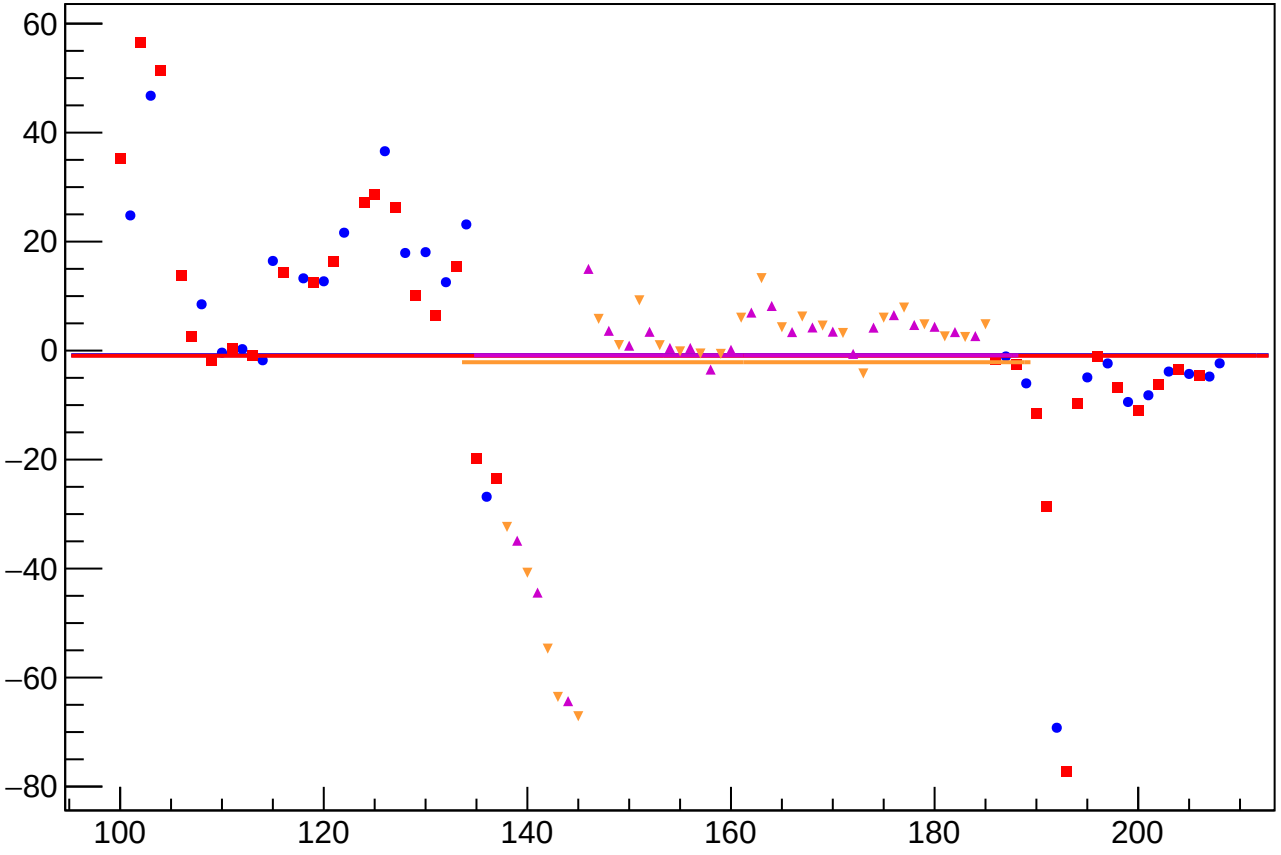
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.284+/-0.027 χ^2/NDF: 13061.0/51

All: 0.261+/-0.019 χ^2/NDF: 25432.7/105

- sign 0.240+/-0.026 χ^2/NDF: 12370.4/53

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -0.838+/-0.041 χ^2/NDF: 118879.0/26

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -0.948+/-0.038 χ^2/NDF: 119513.6/30

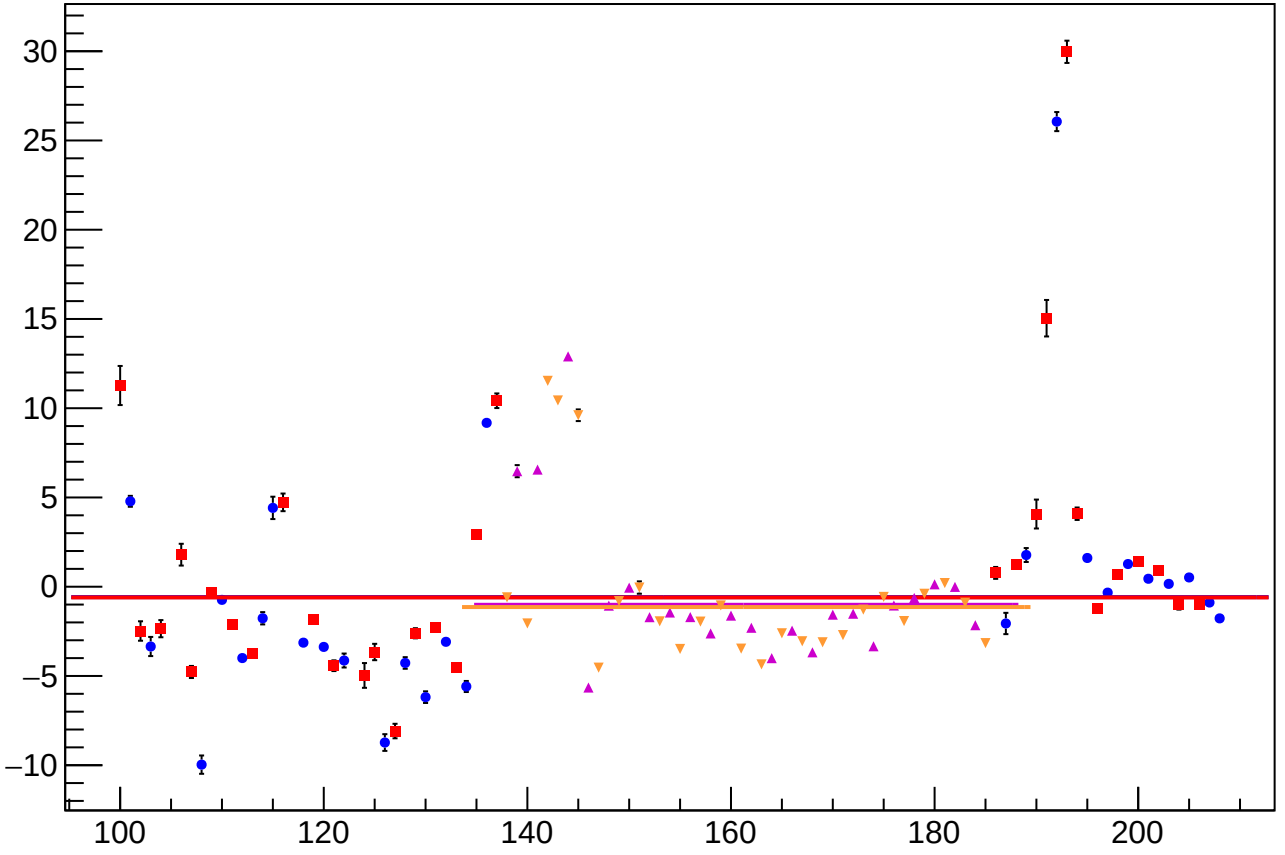
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -1.489+/-0.029 χ^2/NDF: 290859.9/51

All: -1.187+/-0.020 χ^2/NDF: 539852.6/105

- sign -0.911+/-0.027 χ^2/NDF: 248778.9/53

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.582+/-0.054 χ^2/NDF: 7455.3/26

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.600+/-0.052 χ^2/NDF: 5770.8/30

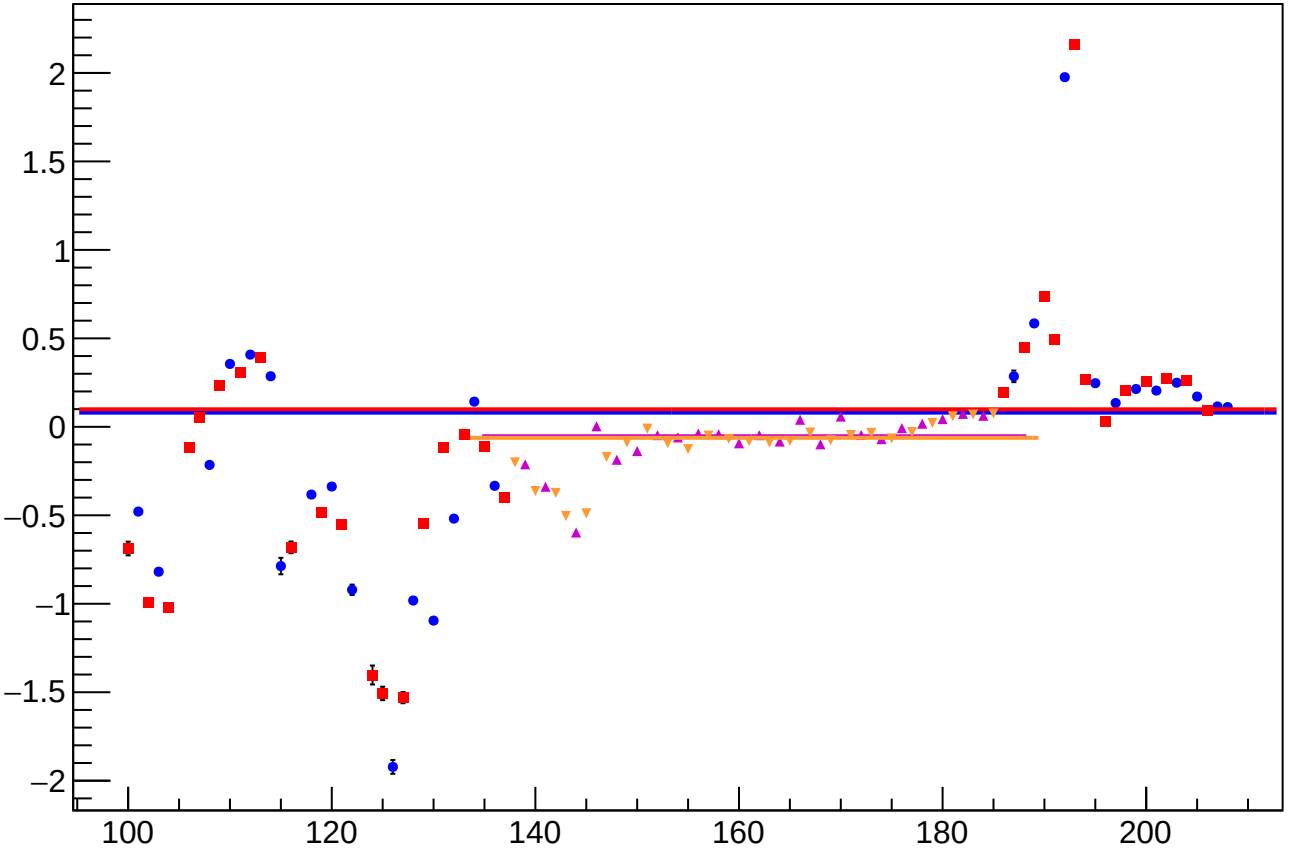
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -0.966+/-0.030 χ^2/NDF: 14551.7/51

All: -0.924+/-0.021 χ^2/NDF: 27397.2/105

- sign -0.885+/-0.029 χ^2/NDF: 12841.8/53

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.080+/-0.002 χ^2/NDF: 34269.8/26

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

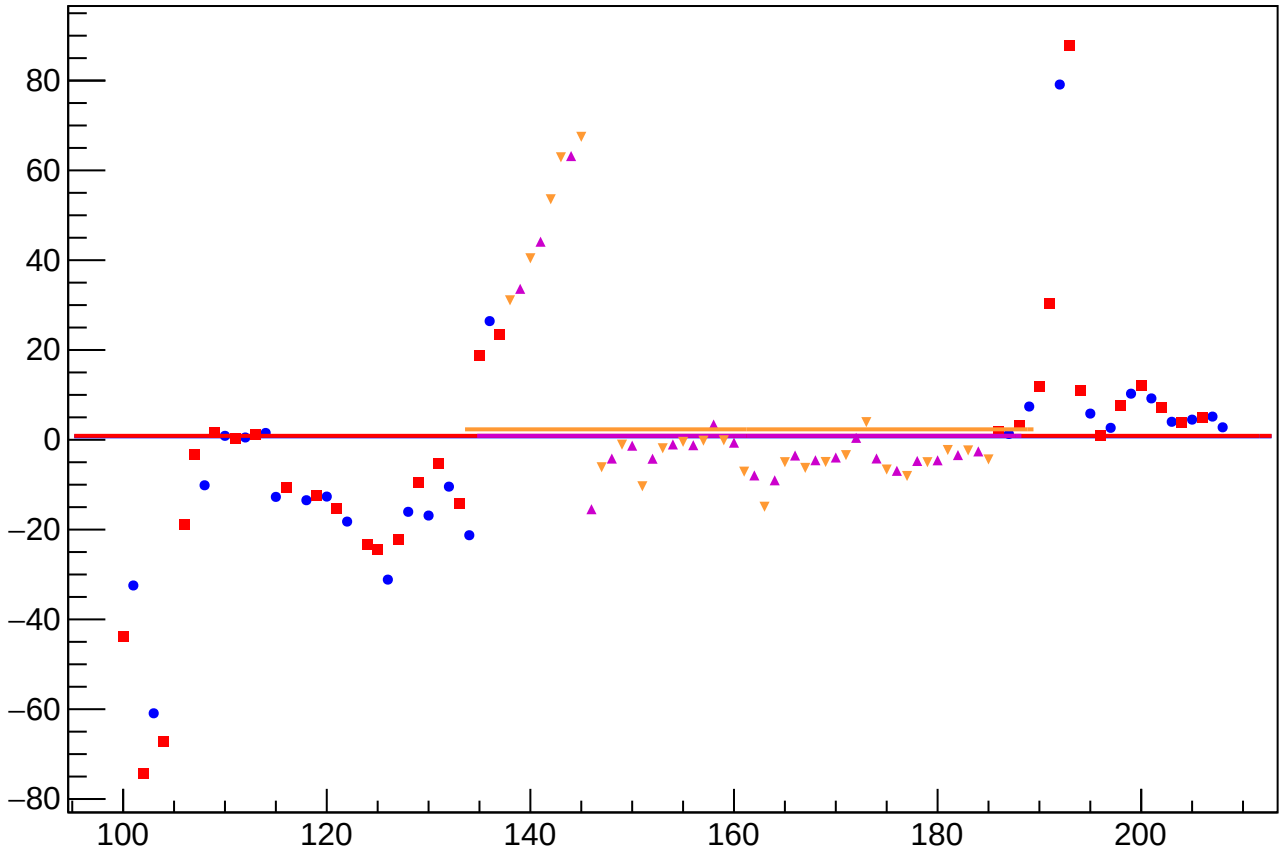
Right Out: 0.099+/-0.002 χ^2/NDF: 34913.1/30

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.019+/-0.001 χ^2/NDF: 42471.3/51

All: -0.014+/-0.001 χ^2/NDF: 85374.6/105

- sign -0.010+/-0.001 χ^2/NDF: 42879.8/53



Right In: 0.766+/-0.040 χ^2/NDF: 118257.3/26

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 0.880+/-0.036 χ^2/NDF: 119573.0/30

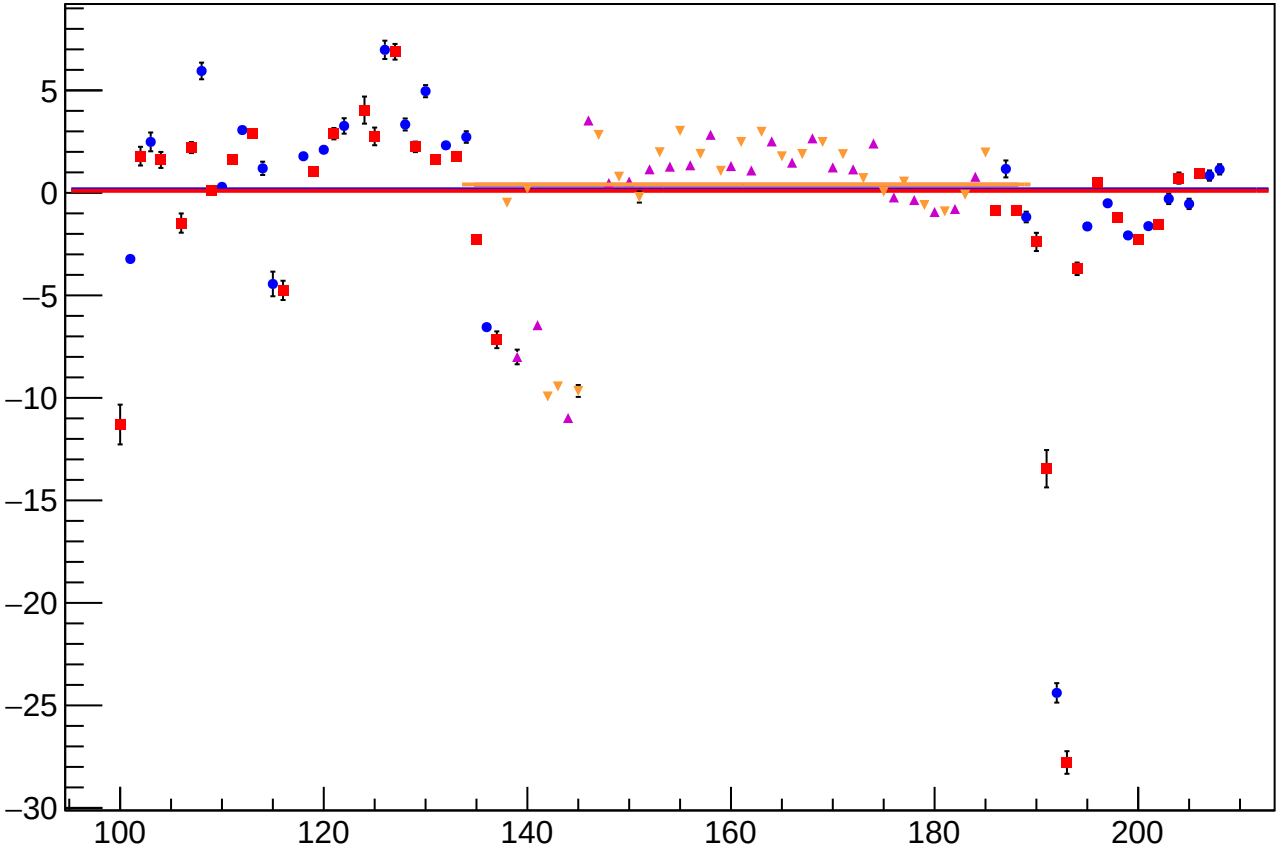
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 1.522+/-0.029 χ^2/NDF: 293651.6/51

All: 1.186+/-0.020 χ^2/NDF: 543905.0/105

- sign 0.883+/-0.027 χ^2/NDF: 249990.2/53

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.171+/-0.047 χ^2/NDF: 5810.9/26

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.101+/-0.045 χ^2/NDF: 5057.8/30

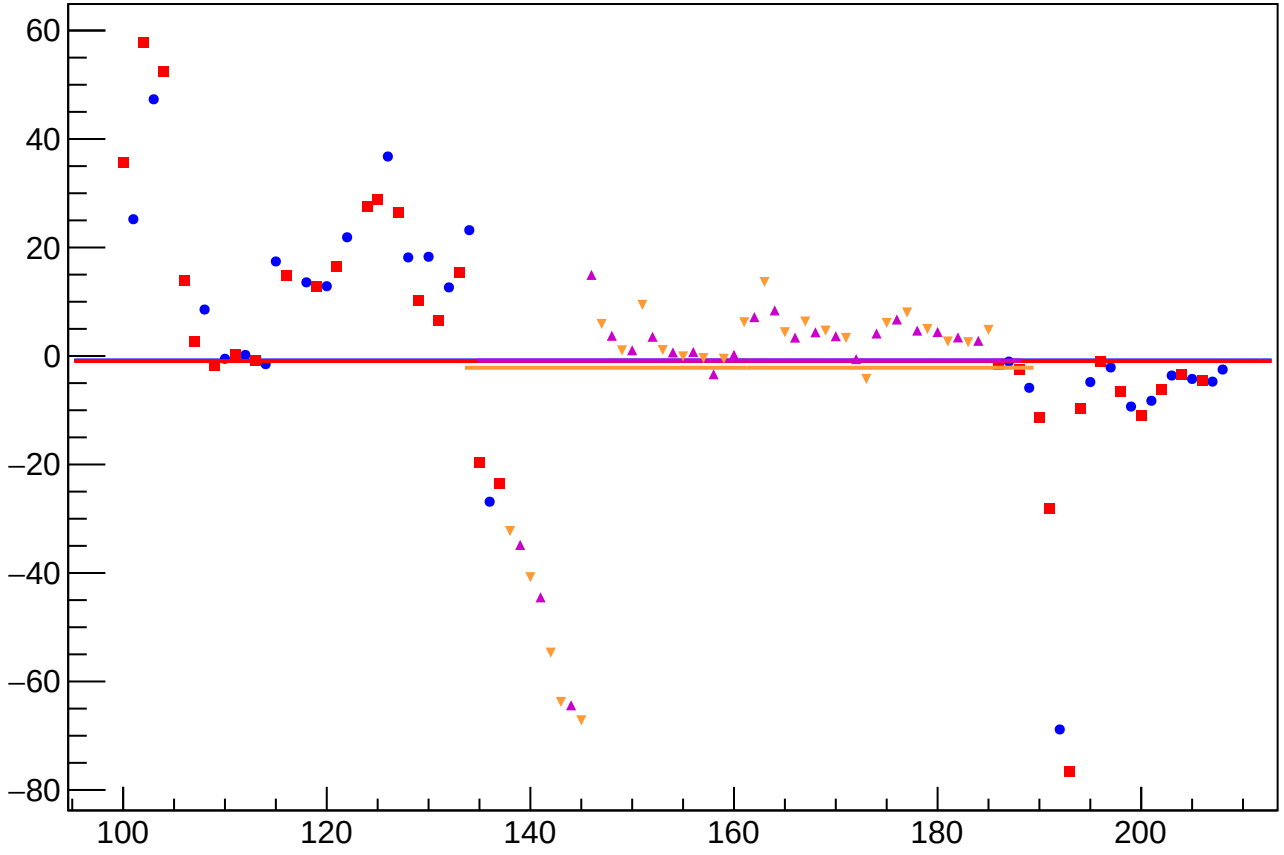
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.330+/-0.027 χ^2/NDF: 12875.7/51

All: 0.313+/-0.019 χ^2/NDF: 24894.5/105

- sign 0.298+/-0.026 χ^2/NDF: 12018.0/53

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -0.826+/-0.041 χ^2/NDF: 117063.2/26

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -0.930+/-0.038 χ^2/NDF: 117884.7/30

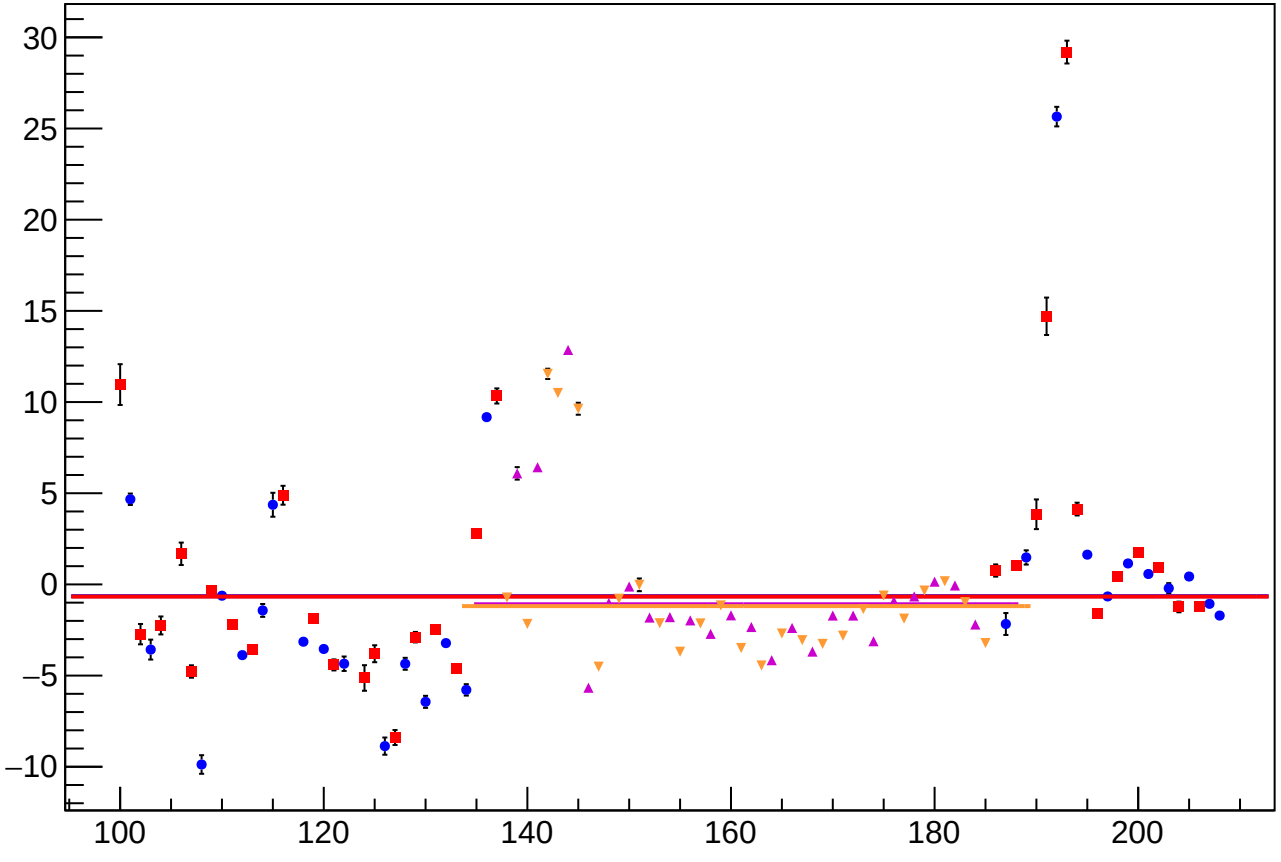
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -1.493+/-0.029 χ^2/NDF: 286585.2/51

All: -1.177+/-0.020 χ^2/NDF: 531834.8/105

- sign -0.889+/-0.028 χ^2/NDF: 245022.5/53

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.647+/-0.055 χ^2/NDF: 7289.9/26

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.668+/-0.053 χ^2/NDF: 5584.4/30

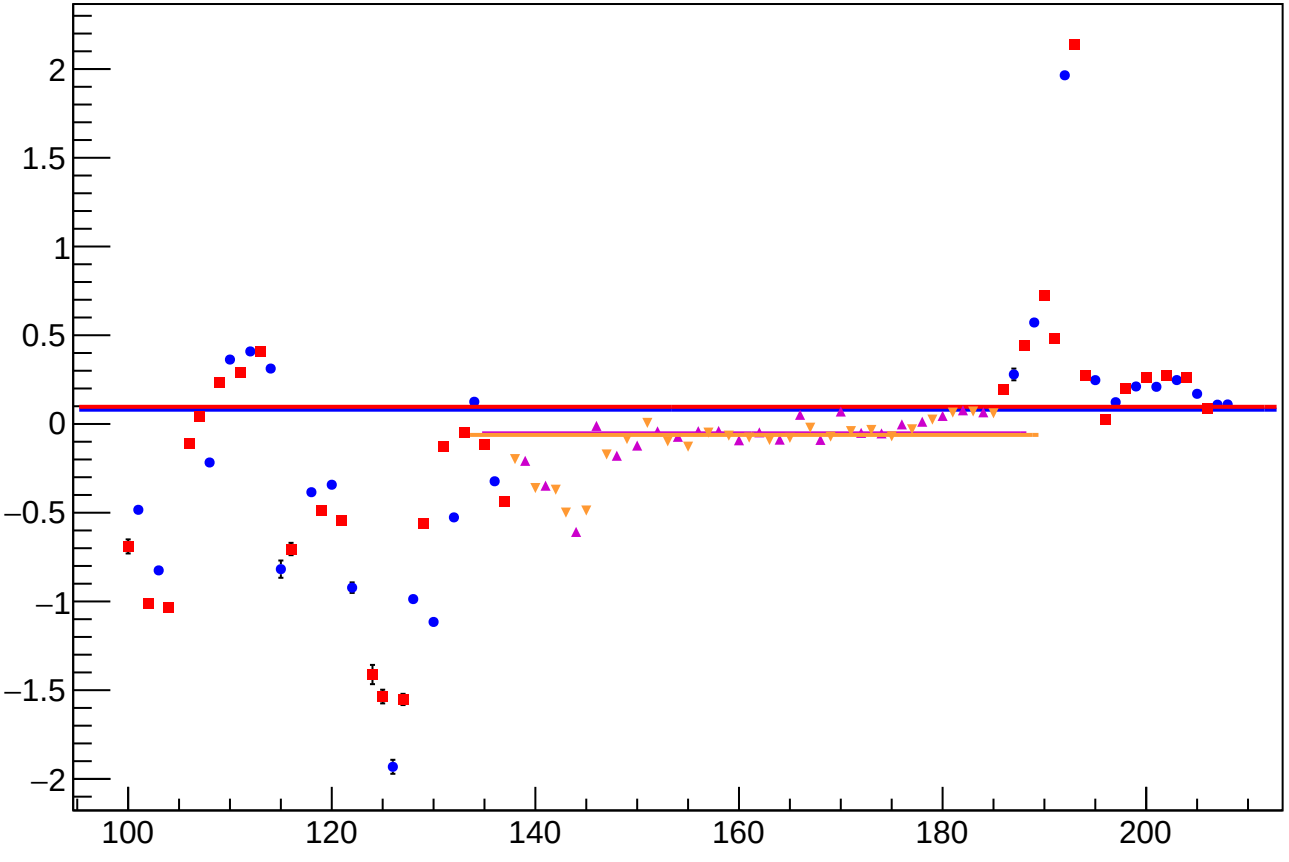
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.019+/-0.031 χ^2/NDF: 14353.7/51

All: -0.987+/-0.021 χ^2/NDF: 26825.0/105

- sign -0.957+/-0.029 χ^2/NDF: 12469.1/53

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.080+/-0.002 χ^2/NDF: 33541.3/26

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.097+/-0.002 χ^2/NDF: 34476.5/30

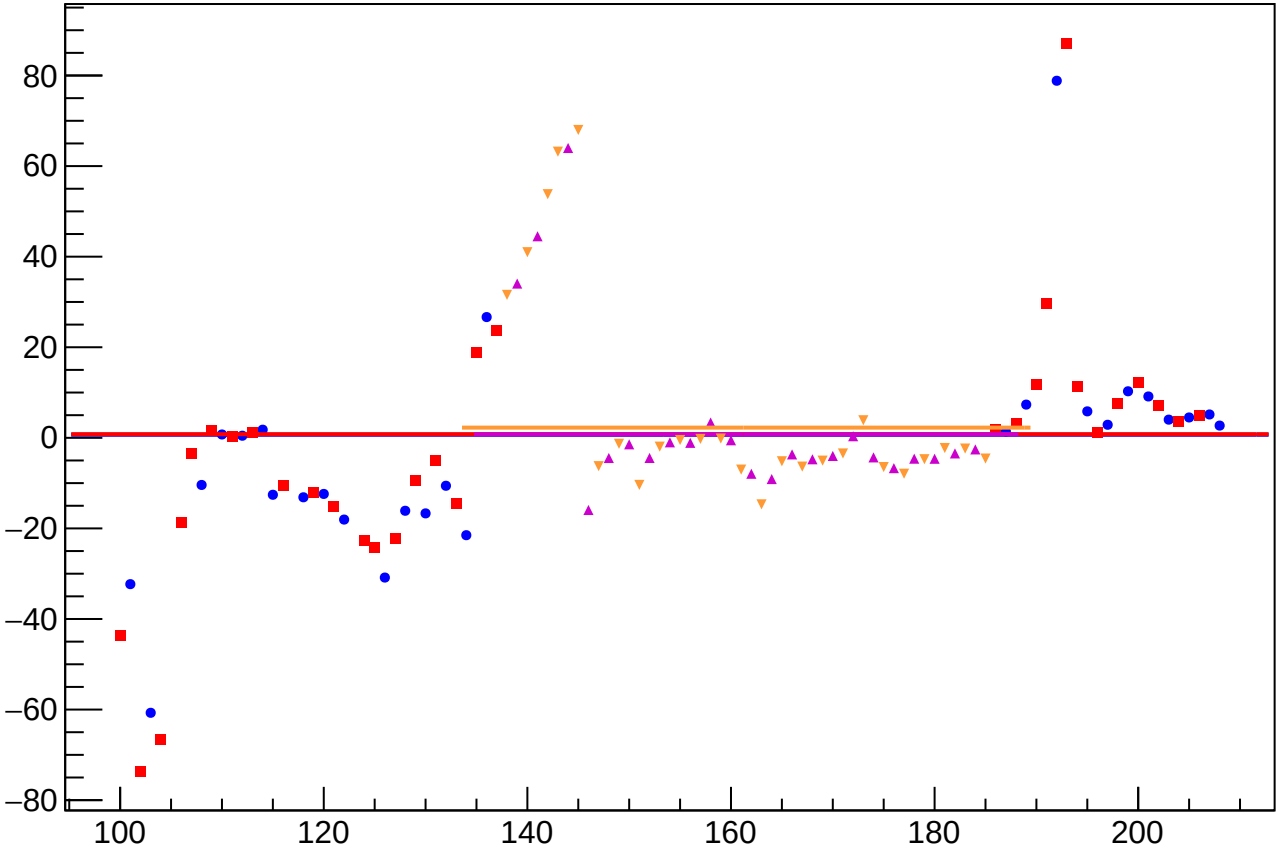
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.018+/-0.001 χ^2/NDF: 41496.1/51

All: -0.013+/-0.001 χ^2/NDF: 83817.8/105

- sign -0.009+/-0.001 χ^2/NDF: 42301.7/53

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 0.682+/-0.040 χ^2/NDF: 116550.1/26

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 0.805+/-0.037 χ^2/NDF: 117369.5/30

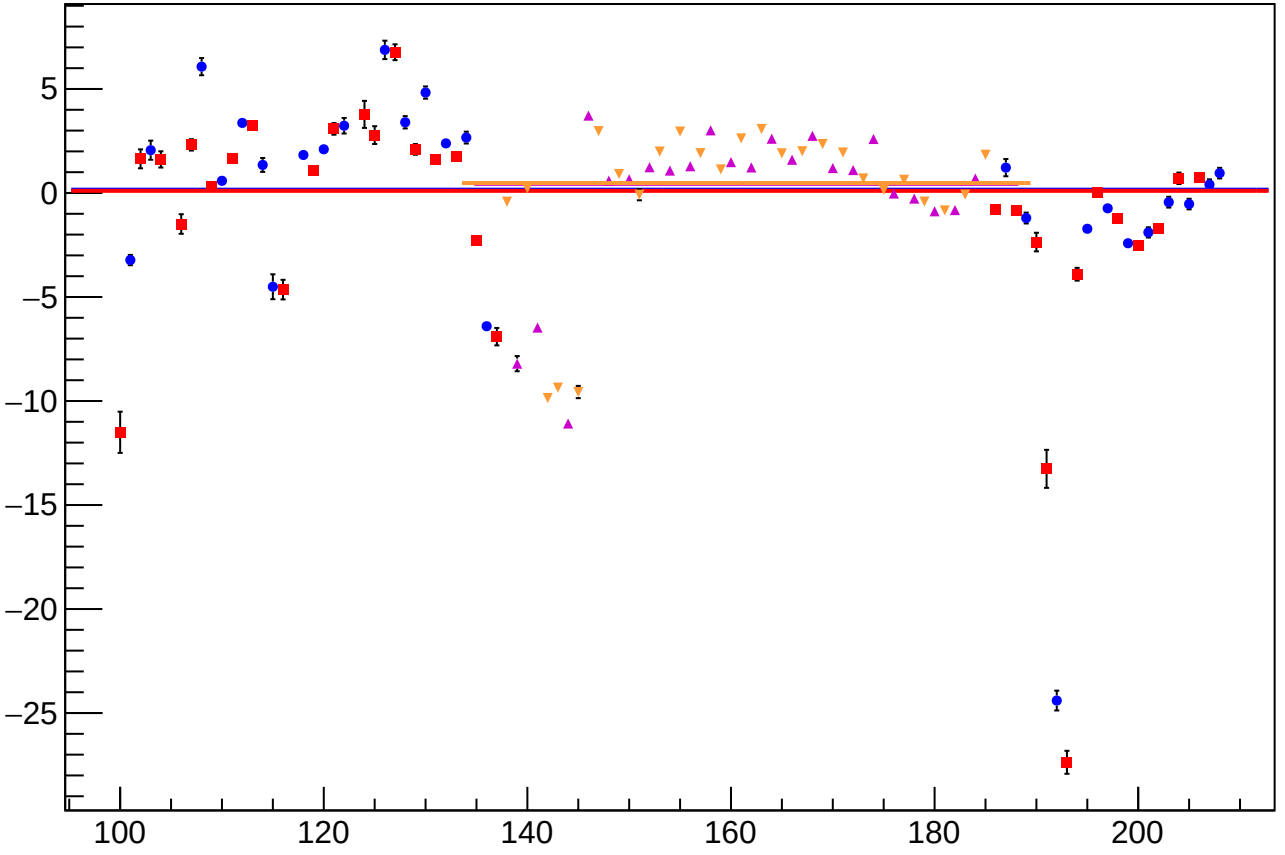
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 1.448+/-0.029 χ^2/NDF: 288958.4/51

All: 1.108+/-0.020 χ^2/NDF: 535418.9/105

- sign 0.800+/-0.028 χ^2/NDF: 246197.9/53

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.159+/-0.048 χ^2/NDF: 5789.4/26

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.104+/-0.046 χ^2/NDF: 4972.8/30

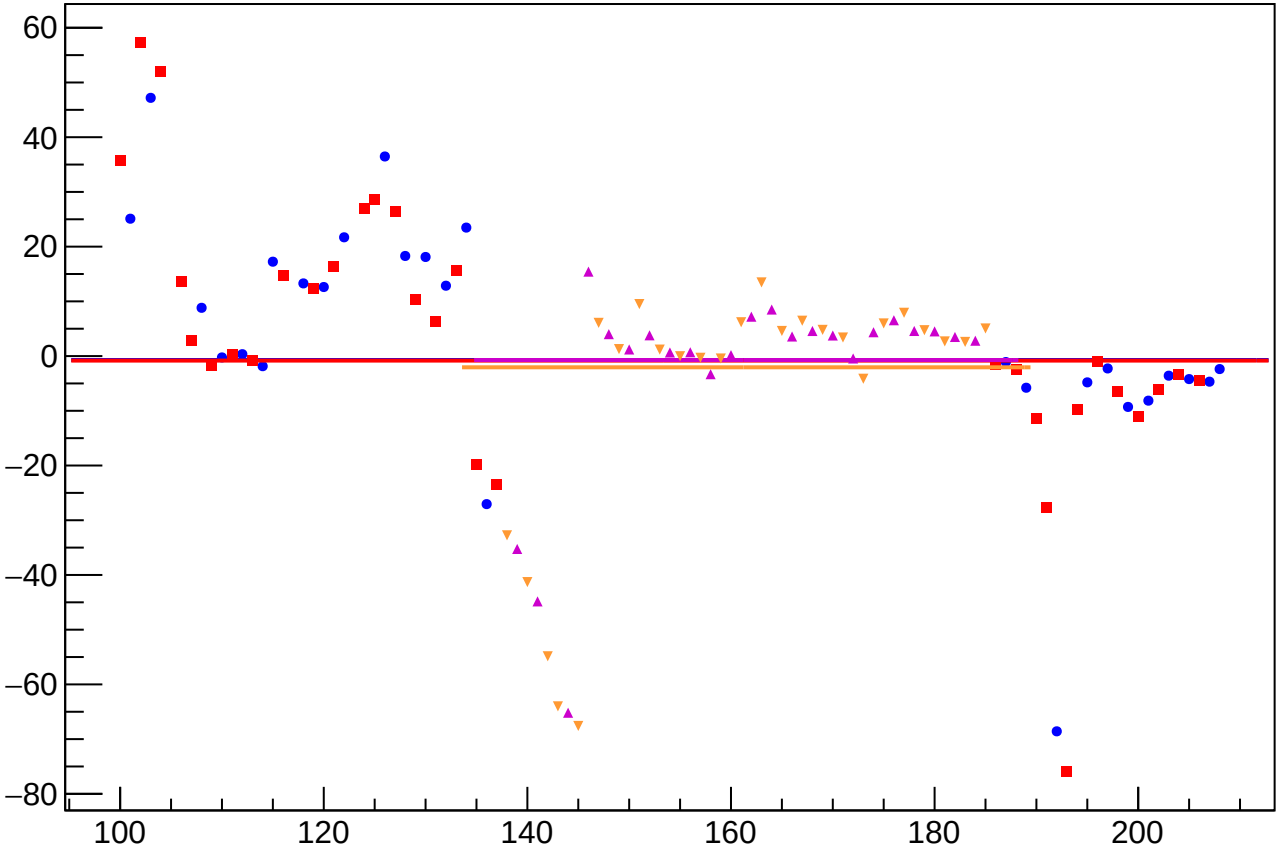
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.372+/-0.028 χ^2/NDF: 12627.4/51

All: 0.349+/-0.019 χ^2/NDF: 24531.2/105

- sign 0.328+/-0.026 χ^2/NDF: 11902.4/53

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -0.717+/-0.041 χ^2/NDF: 115332.8/26

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -0.822+/-0.039 χ^2/NDF: 115712.4/30

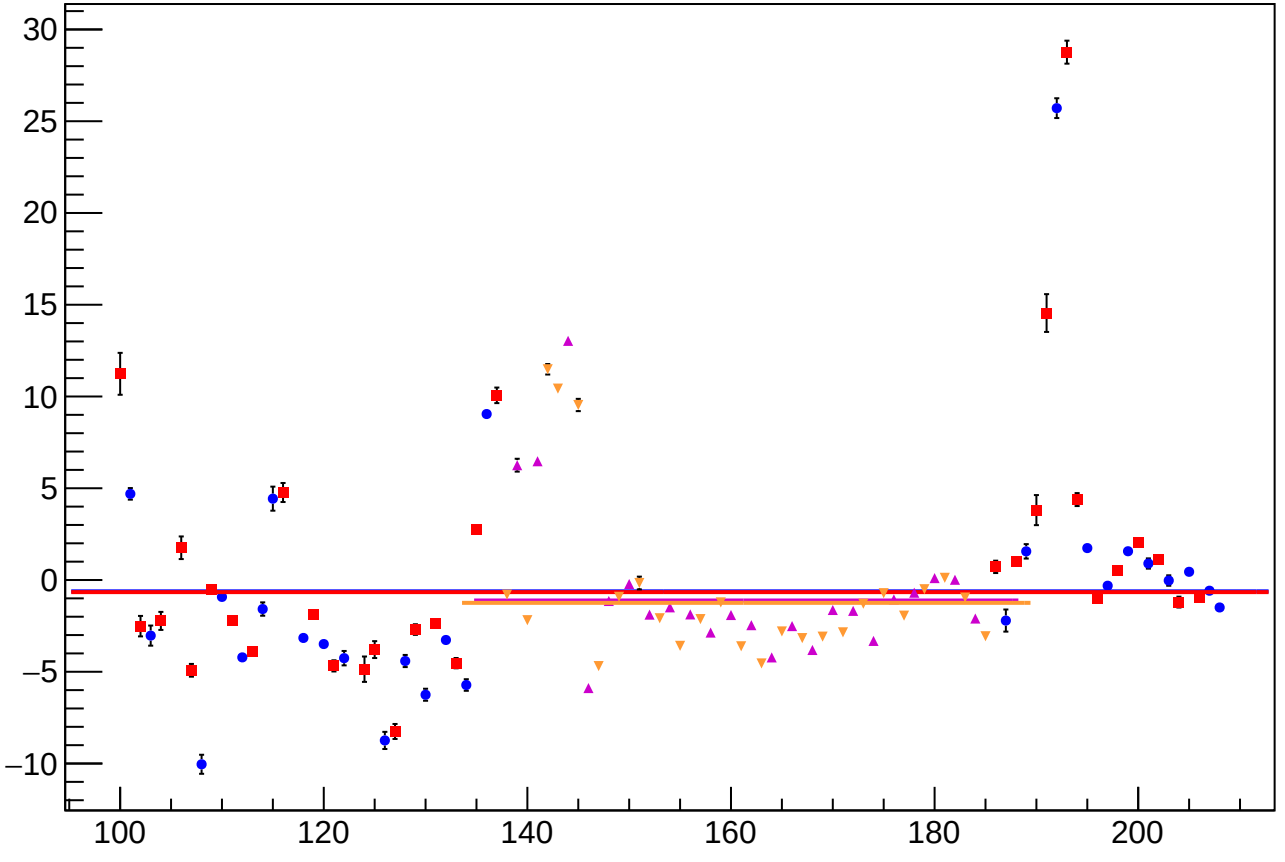
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

\+ sign -1.385+/-0.029 χ^2/NDF: 281859.7/51

All: -1.066+/-0.020 χ^2/NDF: 523333.5/105

\- sign -0.773+/-0.028 χ^2/NDF: 241247.0/53

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.618+/-0.055 χ^2/NDF: 7179.7/26

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

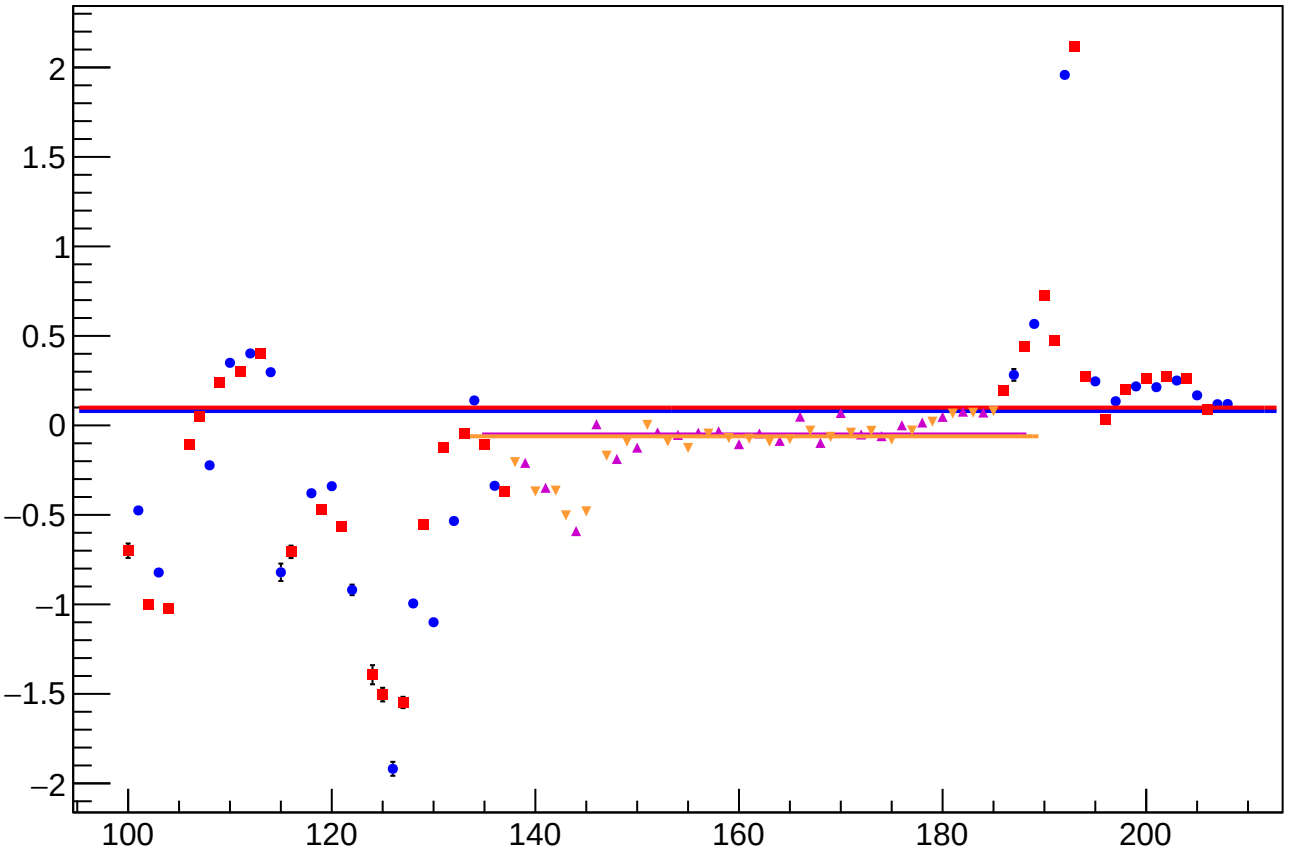
Right Out: -0.660+/-0.053 χ^2/NDF: 5455.5/30

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.048+/-0.031 χ^2/NDF: 14036.7/51

All: -1.010+/-0.021 χ^2/NDF: 26385.7/105

- sign -0.975+/-0.030 χ^2/NDF: 12346.1/53



Right In: 0.080+/-0.002 χ^2/NDF: 33209.8/26

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

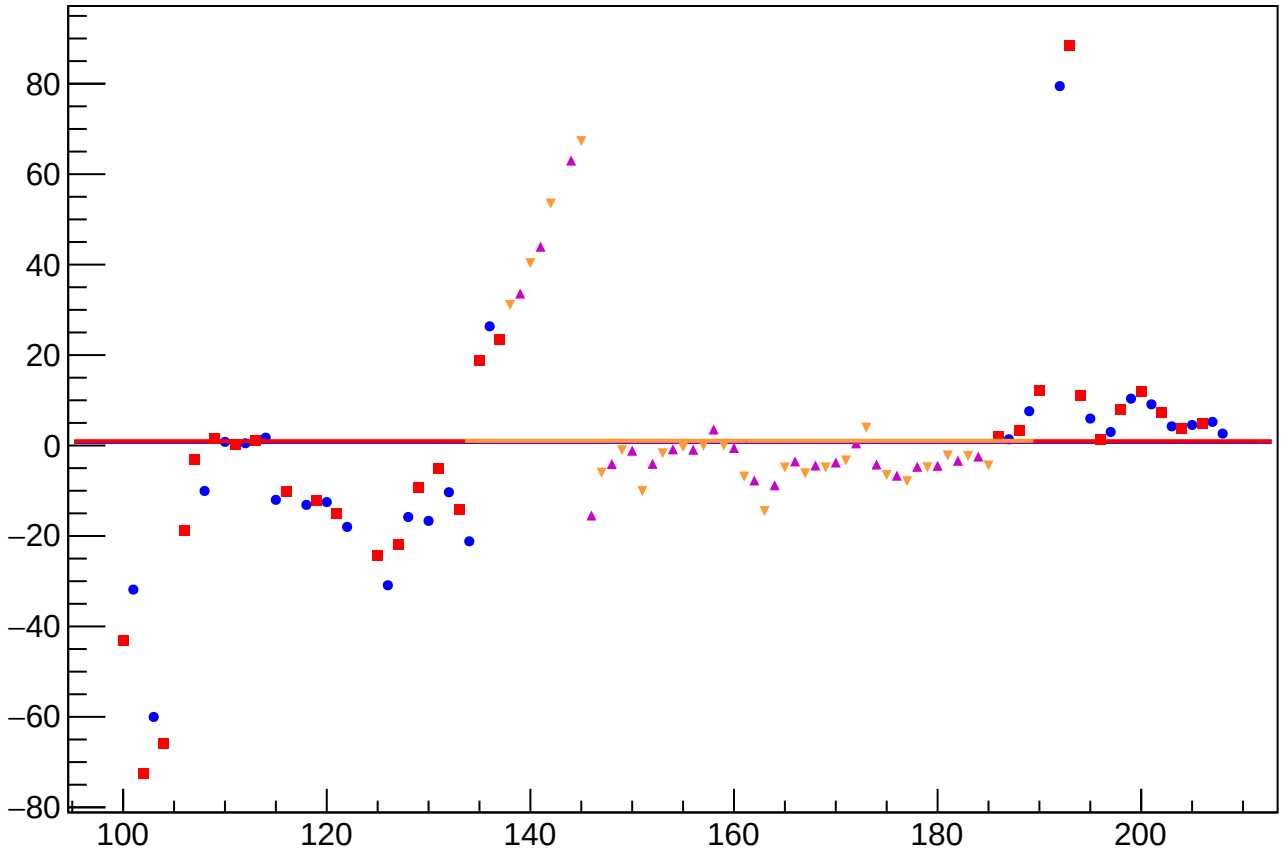
Right Out: 0.099+/-0.002 χ^2/NDF: 33549.4/30

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.017+/-0.001 χ^2/NDF: 40997.9/51

All: -0.012+/-0.001 χ^2/NDF: 82184.4/105

- sign -0.007+/-0.001 χ^2/NDF: 41158.3/53



Right In: 0.798+/-0.039 χ^2/NDF: 120320.3/26

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

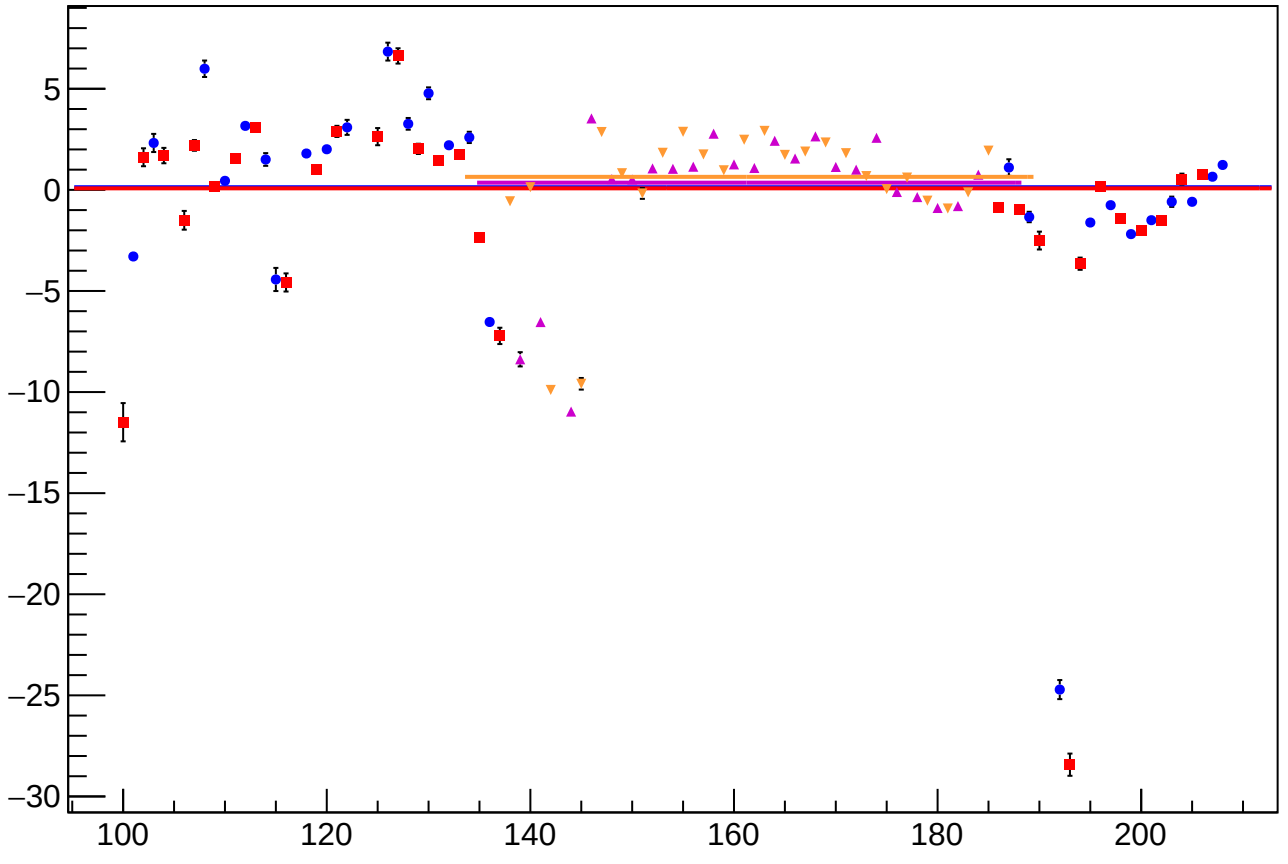
Right Out: 0.950+/-0.036 χ^2/NDF: 118507.9/28

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign 0.921+/-0.028 χ^2/NDF: 251371.8/50

All: 0.928+/-0.019 χ^2/NDF: 502687.8/102

- sign 0.934+/-0.027 χ^2/NDF: 251315.9/51



Right In: 0.132+/-0.046 χ^2/NDF: 5989.5/26

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

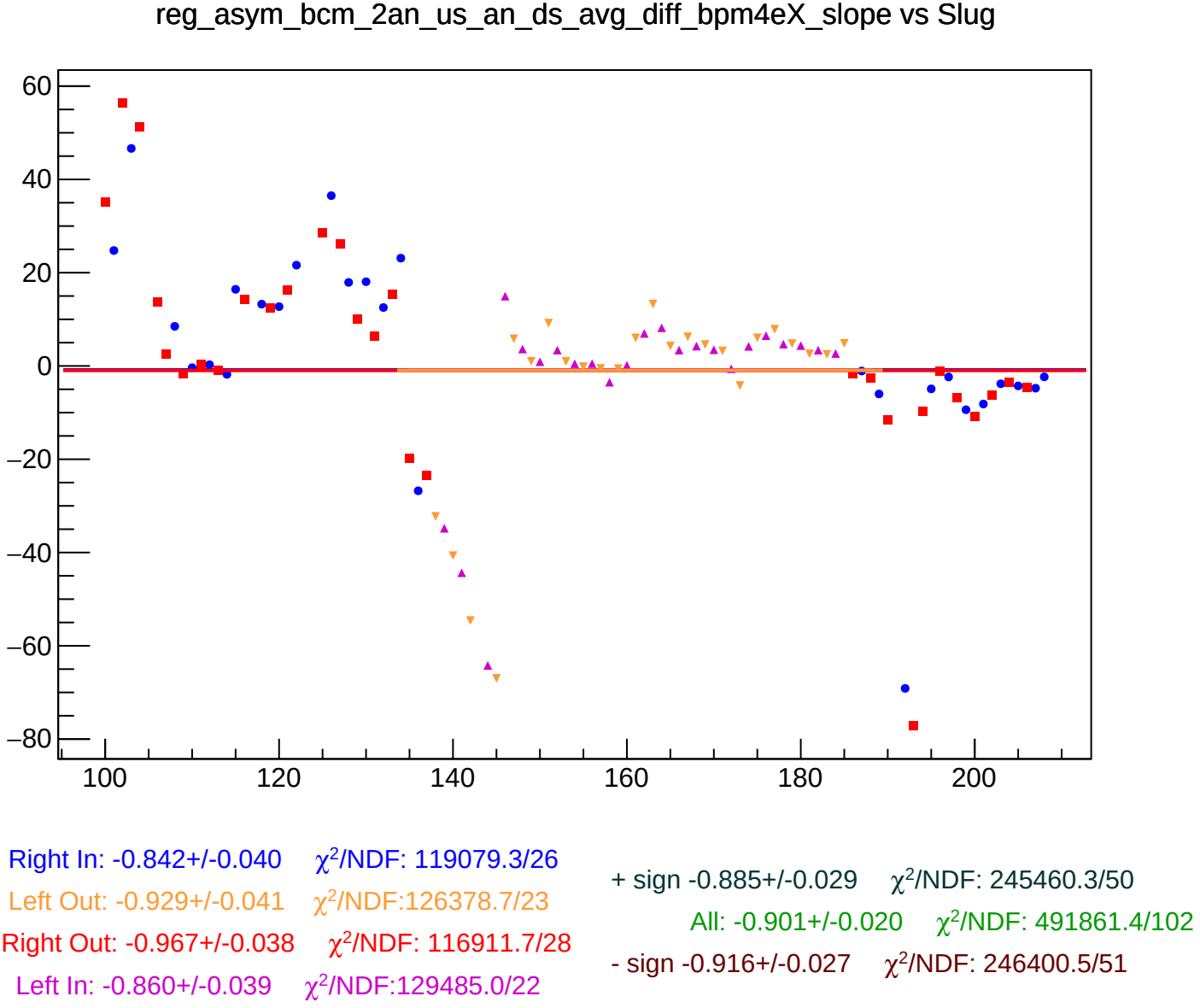
Right Out: 0.075+/-0.045 χ^2/NDF: 4991.4/28

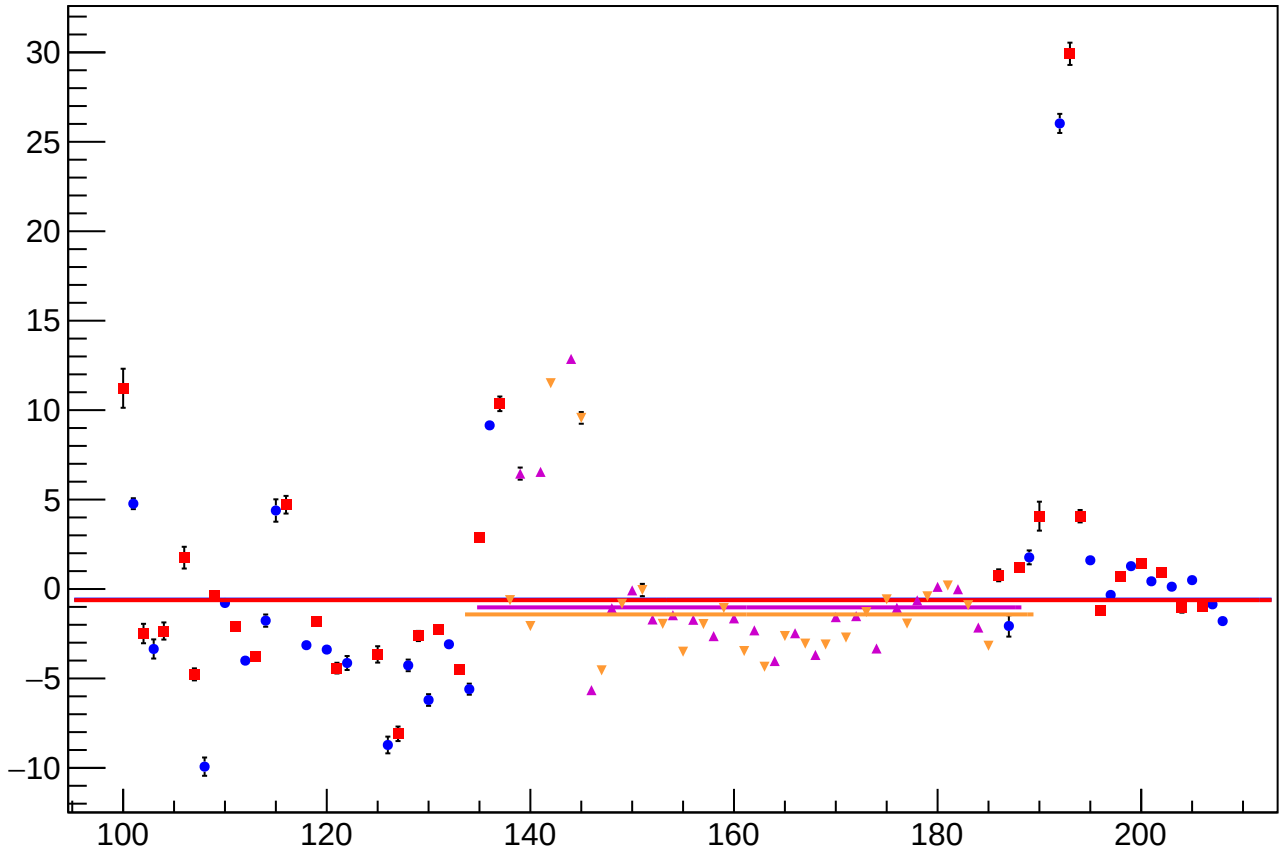
Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.470+/-0.027 χ^2/NDF: 10781.1/50

All: 0.361+/-0.019 χ^2/NDF: 22947.0/102

- sign 0.263+/-0.026 χ^2/NDF: 12134.8/51


reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug
60
40
20
0
−20
−40
−60
−80
100
120
140
160
180
200
Right In: -0.842+/-0.040 χ²/NDF: 119079.3/26
Left Out: -0.929+/-0.041 χ²/NDF:126378.7/23
Right Out: -0.967+/-0.038 χ²/NDF: 116911.7/28
Left In: -0.860+/-0.039 χ²/NDF:129485.0/22
+ sign -0.885+/-0.029 χ²/NDF: 245460.3/50
All: -0.901+/-0.020 χ²/NDF: 491861.4/102
- sign -0.916+/-0.027 χ²/NDF: 246400.5/51



Right In: -0.592+/-0.054 χ^2/NDF: 7472.7/26

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

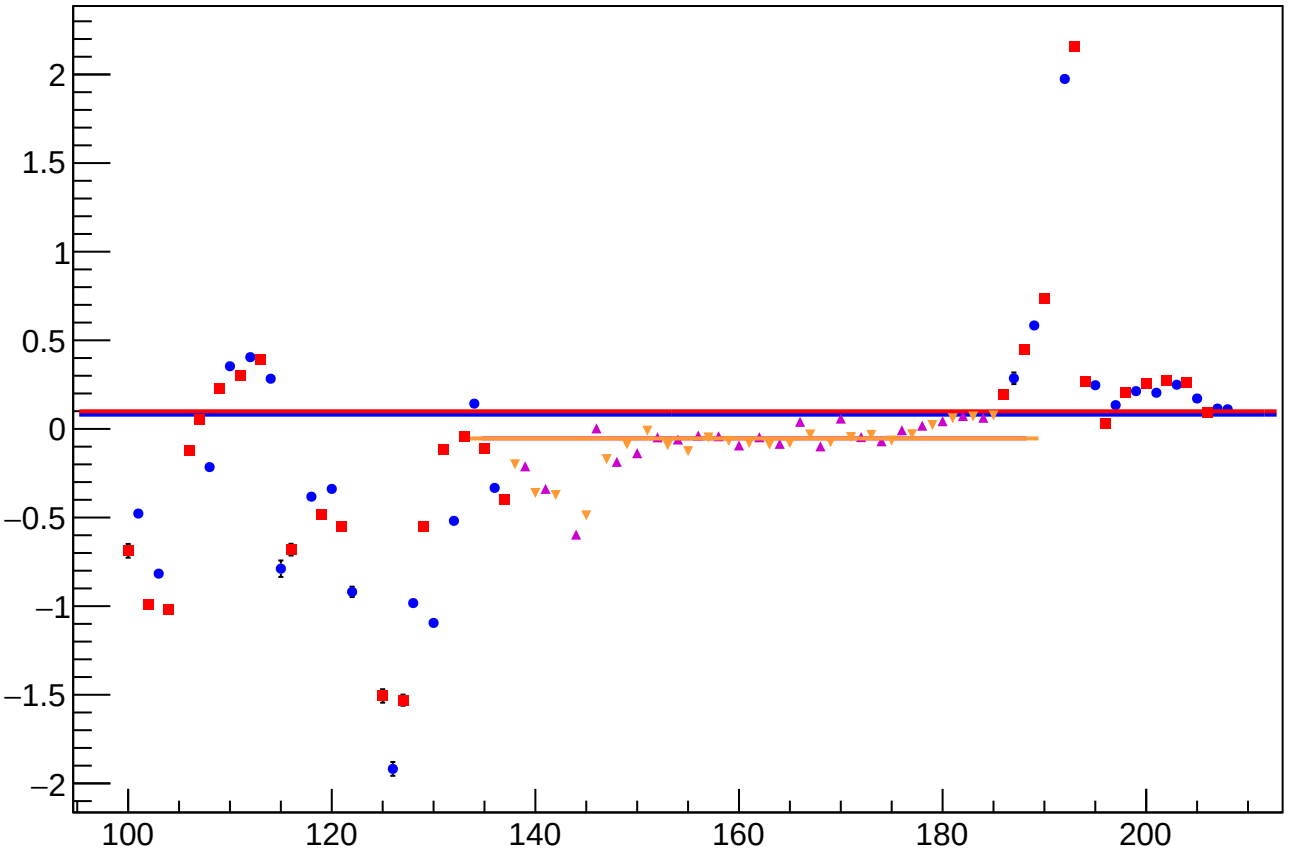
Right Out: -0.624+/-0.052 χ^2/NDF: 5505.4/28

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.157+/-0.030 χ^2/NDF: 12276.9/50

All: -1.023+/-0.021 χ^2/NDF: 24908.1/102

- sign -0.902+/-0.029 χ^2/NDF: 12593.9/51



Right In: 0.080+/-0.002 χ^2/NDF: 34331.8/26

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

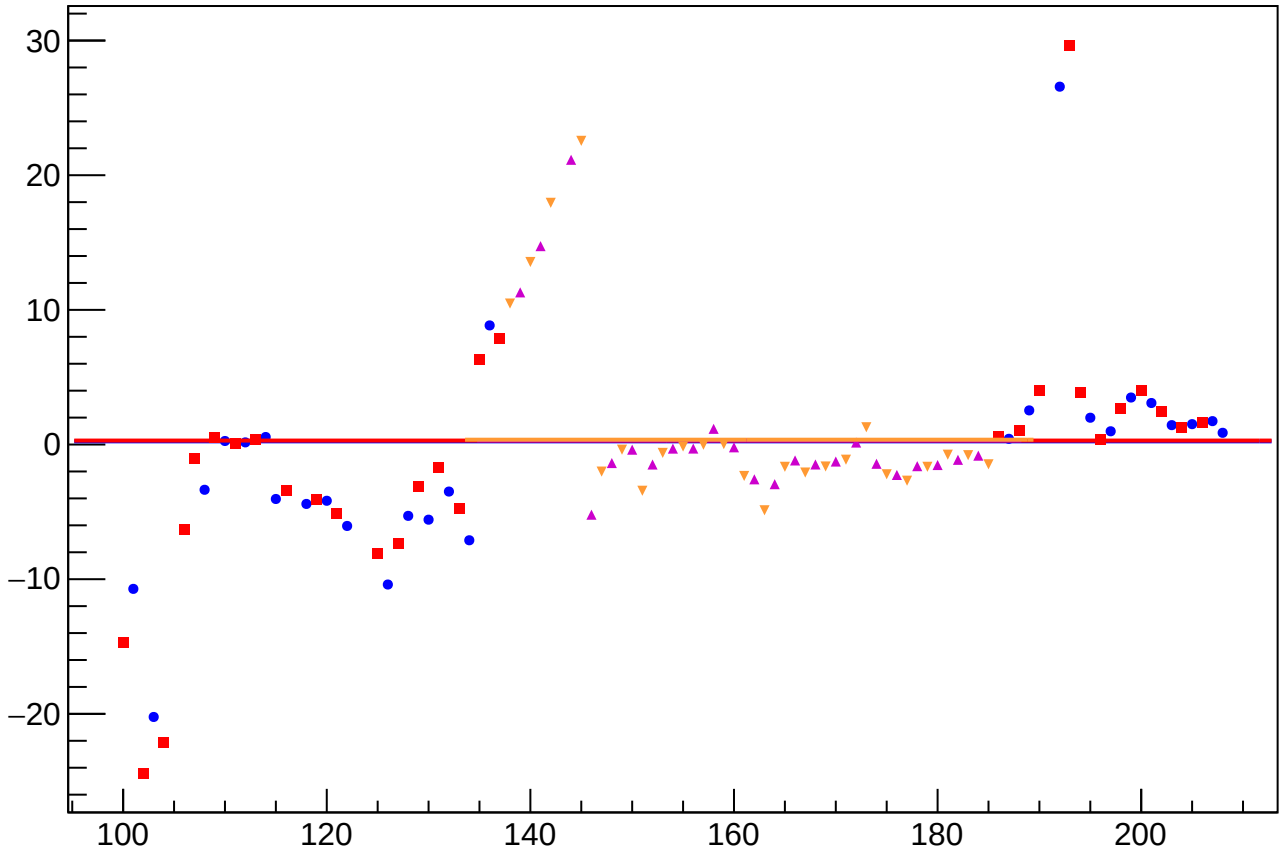
Right Out: 0.099+/-0.002 χ^2/NDF: 34003.3/28

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.012+/-0.001 χ^2/NDF: 40866.9/50

All: -0.011+/-0.001 χ^2/NDF: 82863.8/102

- sign -0.010+/-0.001 χ^2/NDF: 41995.3/51



Right In: 0.237+/-0.013 χ^2/NDF: 118238.7/26

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

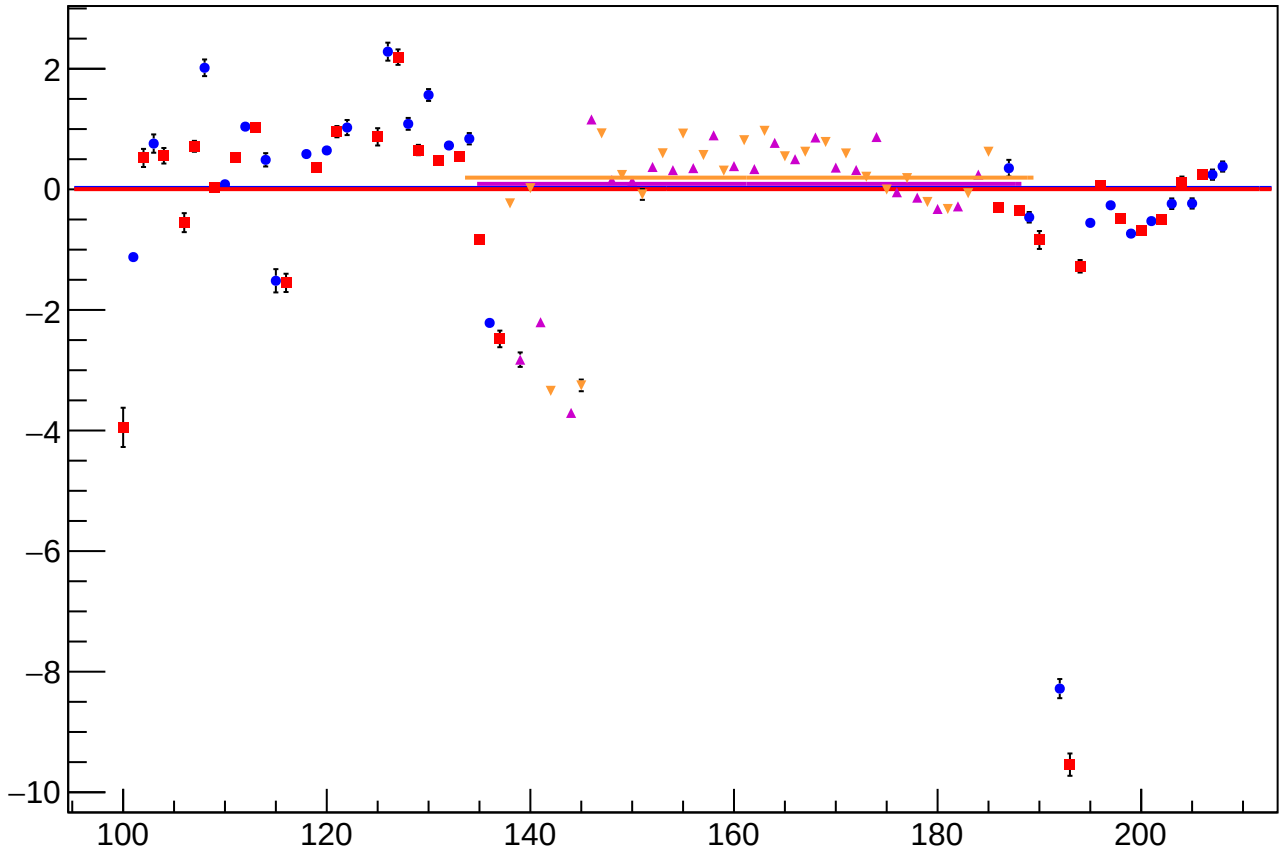
Right Out: 0.295+/-0.012 χ^2/NDF: 116673.3/28

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

\+ sign 0.296+/-0.010 χ^2/NDF: 247108.4/50

All: 0.301+/-0.007 χ^2/NDF: 494007.8/102

\- sign 0.305+/-0.009 χ^2/NDF: 246898.9/51



Right In: 0.023+/-0.016 χ^2/NDF: 5861.9/26

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

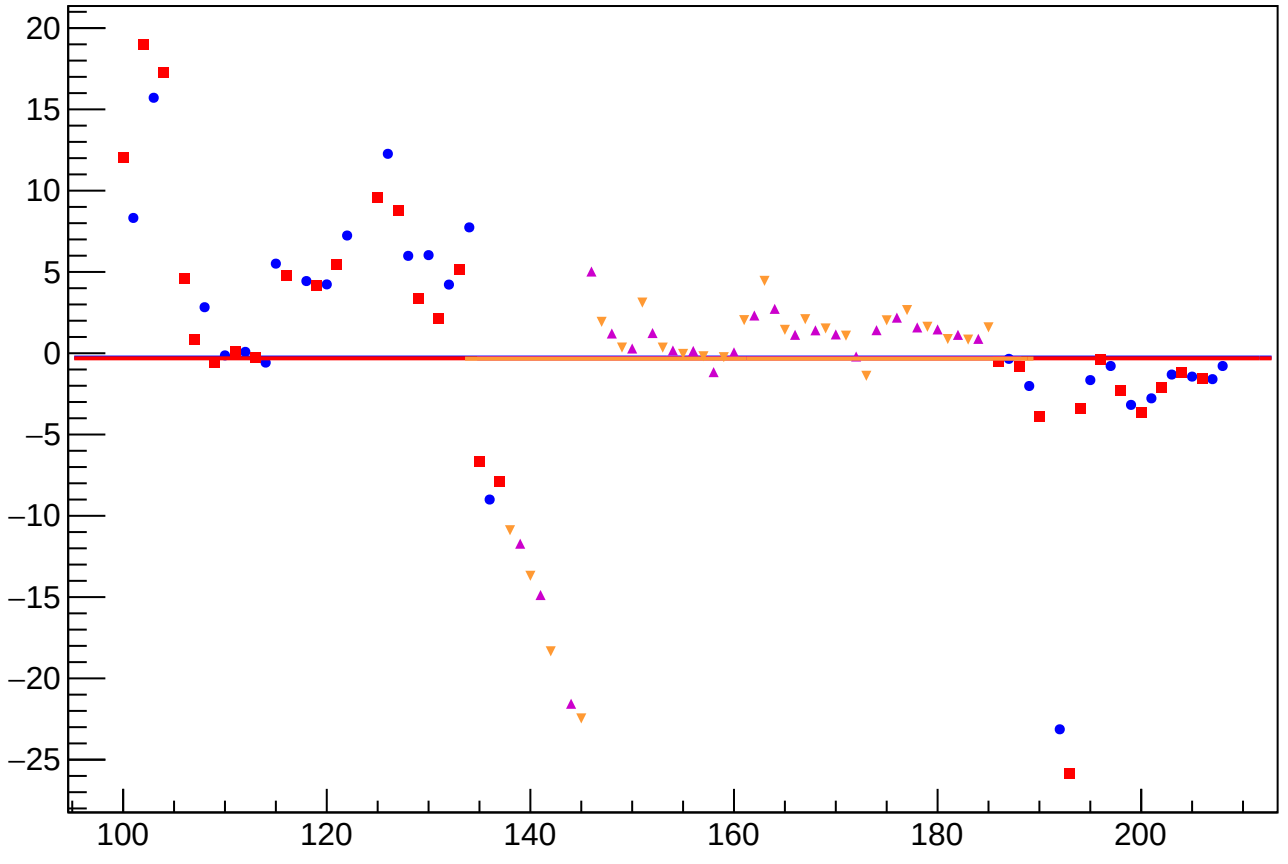
Right Out: 0.003+/-0.015 χ^2/NDF: 4896.6/28

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.137+/-0.009 χ^2/NDF: 10583.6/50

All: 0.098+/-0.006 χ^2/NDF: 22472.8/102

- sign 0.062+/-0.009 χ^2/NDF: 11855.0/51



Right In: -0.265+/-0.014 χ^2/NDF: 117038.9/26

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

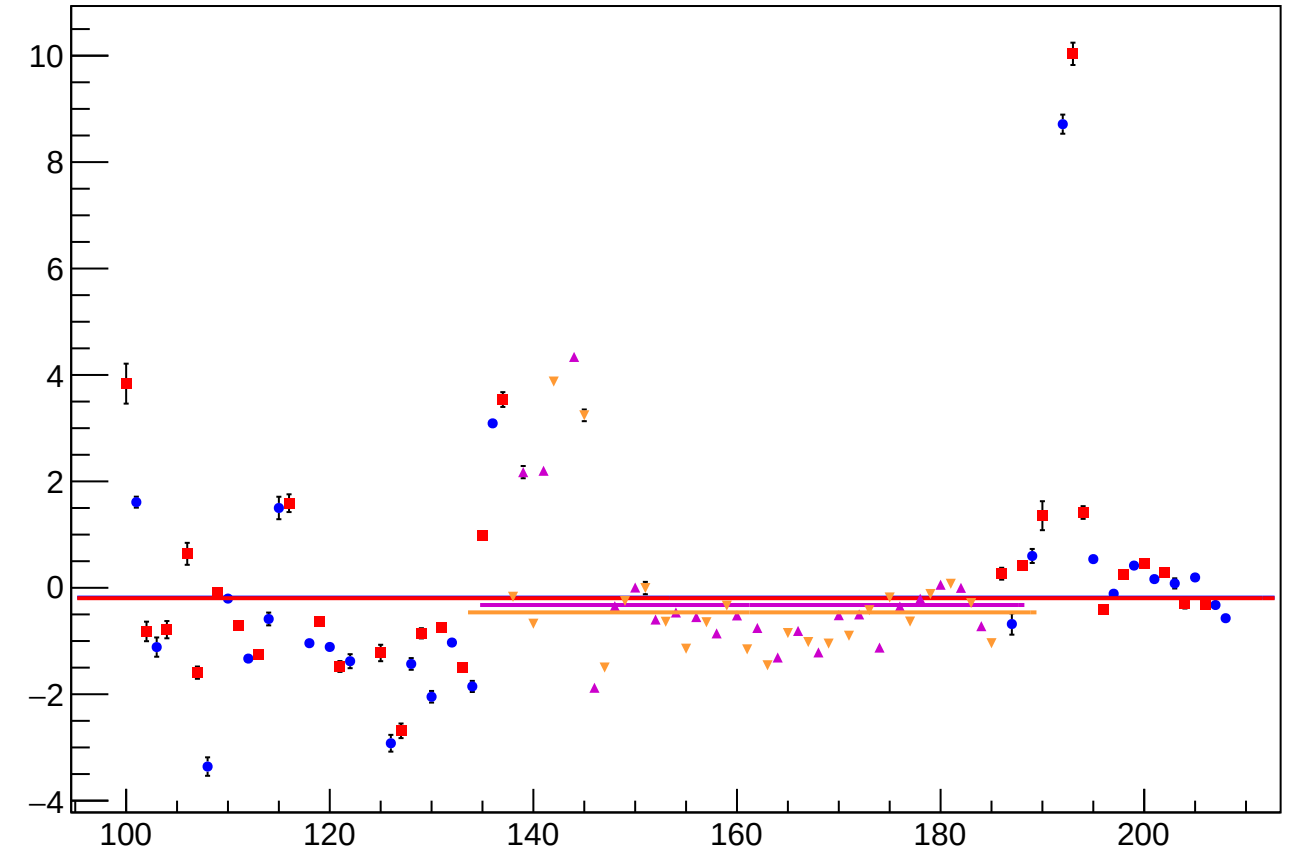
Right Out: -0.314+/-0.013 χ^2/NDF: 115130.4/28

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign -0.299+/-0.010 χ^2/NDF: 241284.1/50

All: -0.307+/-0.007 χ^2/NDF: 483415.0/102

- sign -0.314+/-0.009 χ^2/NDF: 242129.7/51



Right In: -0.184+/-0.018 χ^2/NDF: 7316.1/26

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

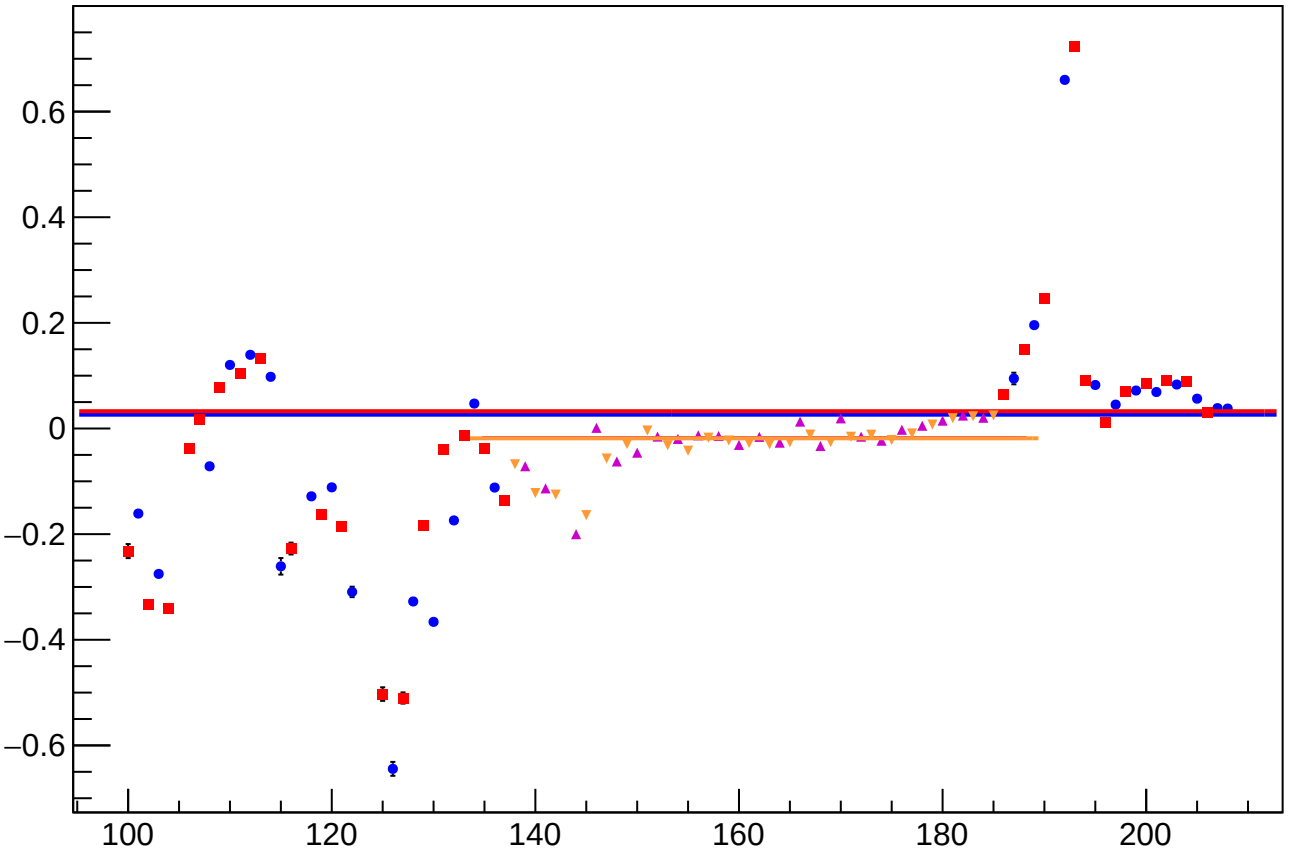
Right Out: -0.195+/-0.018 χ^2/NDF: 5409.3/28

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.374+/-0.010 χ^2/NDF: 12051.2/50

All: -0.327+/-0.007 χ^2/NDF: 24417.4/102

- sign -0.284+/-0.010 χ^2/NDF: 12326.5/51



Right In: 0.026+/-0.001 χ^2/NDF: 33747.0/26

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

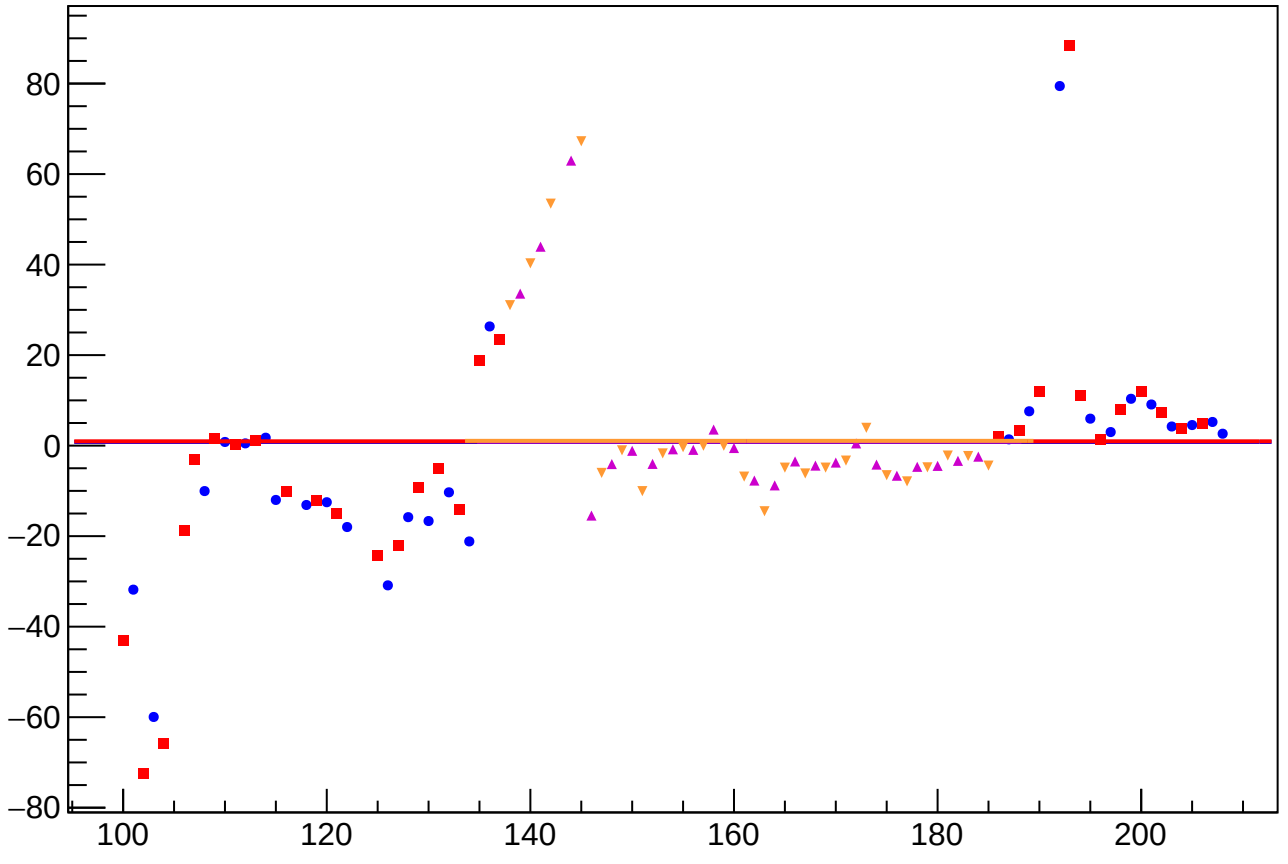
Right Out: 0.033+/-0.001 χ^2/NDF: 33384.8/28

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.005+/-0.000 χ^2/NDF: 40045.5/50

All: -0.004+/-0.000 χ^2/NDF: 81112.1/102

- sign -0.004+/-0.000 χ^2/NDF: 41063.1/51



Right In: 0.804+/-0.039 χ^2/NDF: 120341.5/26

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

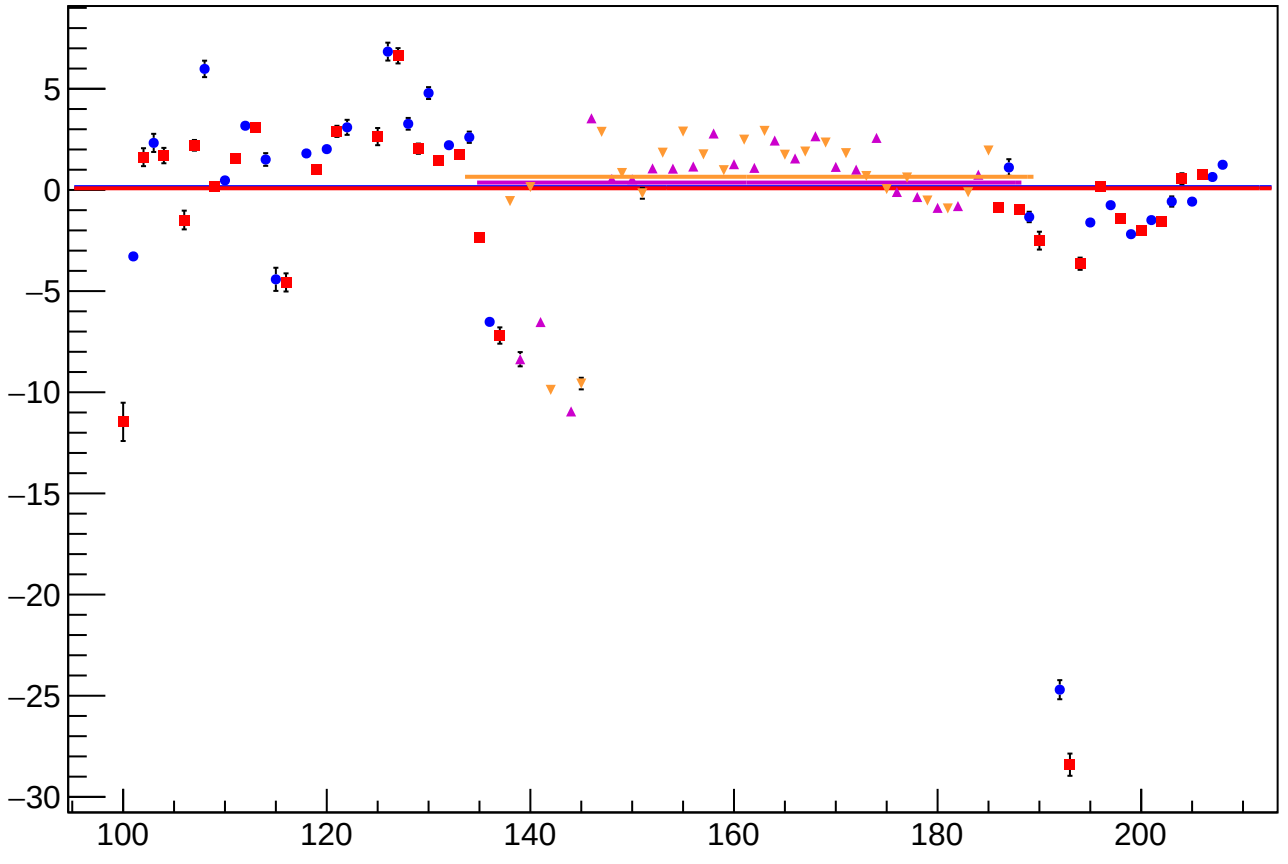
Right Out: 0.955+/-0.036 χ^2/NDF: 118525.6/28

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 0.926+/-0.028 χ^2/NDF: 251372.3/50

All: 0.932+/-0.019 χ^2/NDF: 502714.7/102

- sign 0.937+/-0.027 χ^2/NDF: 251342.3/51



Right In: 0.139+/-0.046 χ^2/NDF: 5993.2/26

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.082+/-0.045 χ^2/NDF: 4993.2/28

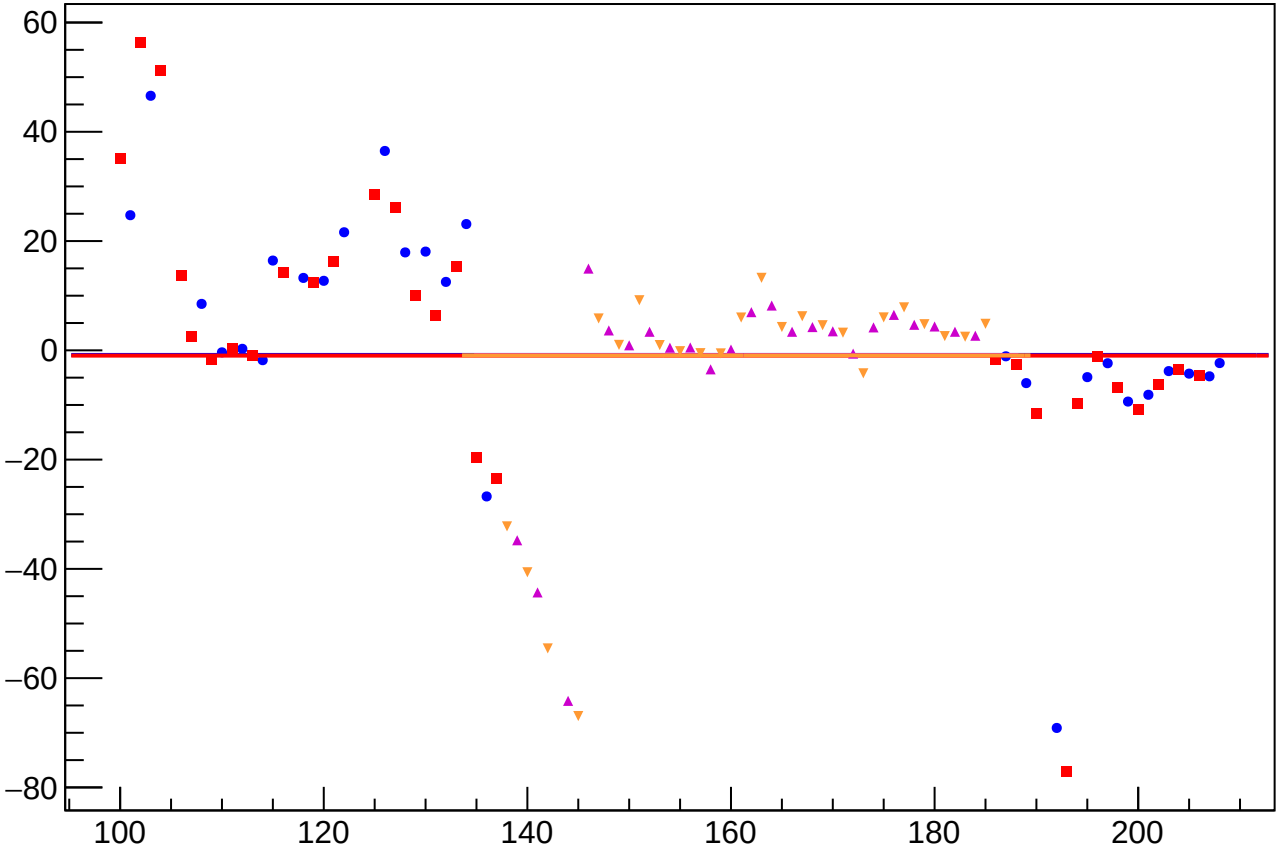
Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.478+/-0.027 χ^2/NDF: 10782.7/50

All: 0.369+/-0.019 χ^2/NDF: 22956.1/102

- sign 0.271+/-0.026 χ^2/NDF: 12142.4/51

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.843+/-0.040 χ^2/NDF: 119098.0/26

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

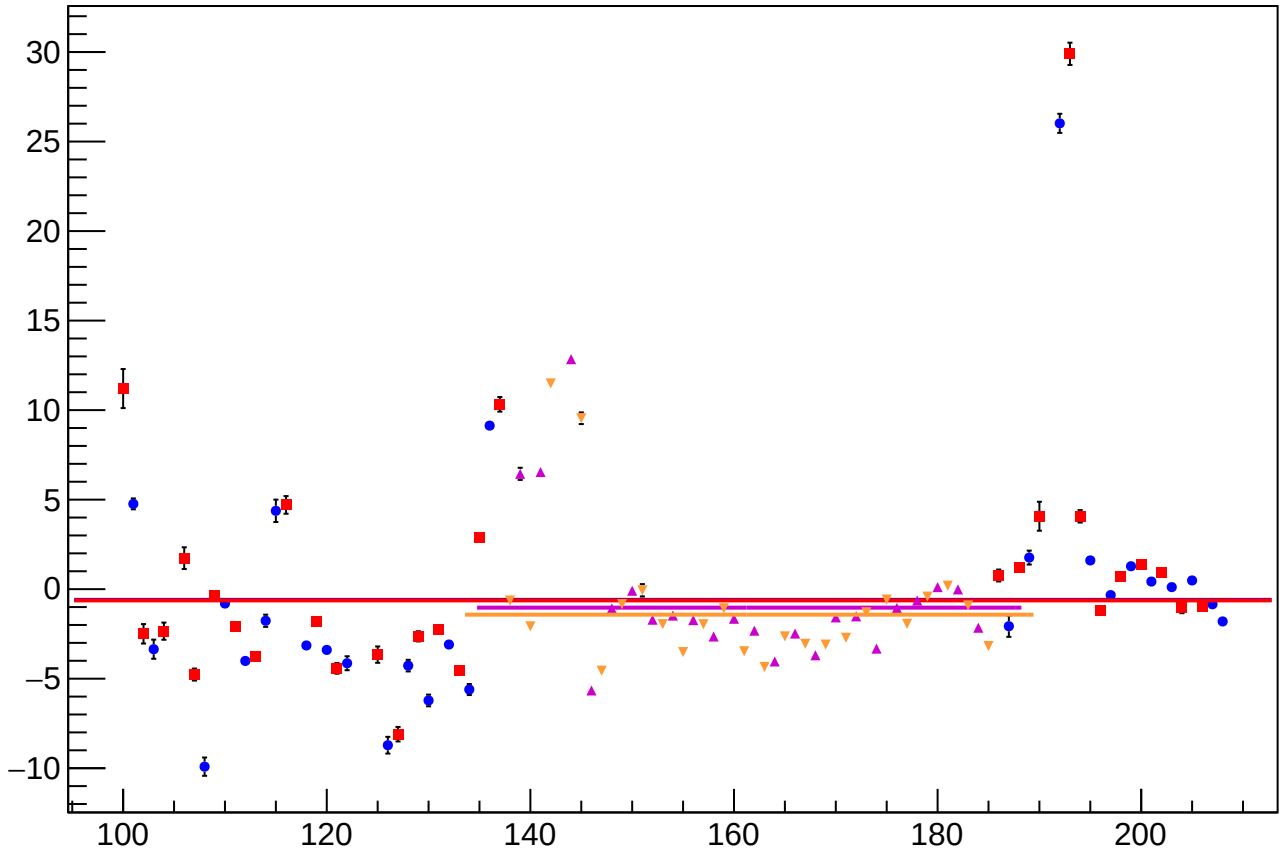
Right Out: -0.966+/-0.038 χ^2/NDF: 116925.2/28

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign -0.885+/-0.029 χ^2/NDF: 245460.2/50

All: -0.900+/-0.020 χ^2/NDF: 491880.8/102

- sign -0.914+/-0.027 χ^2/NDF: 246420.0/51



Right In: -0.598+/-0.054 χ^2/NDF: 7475.7/26

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

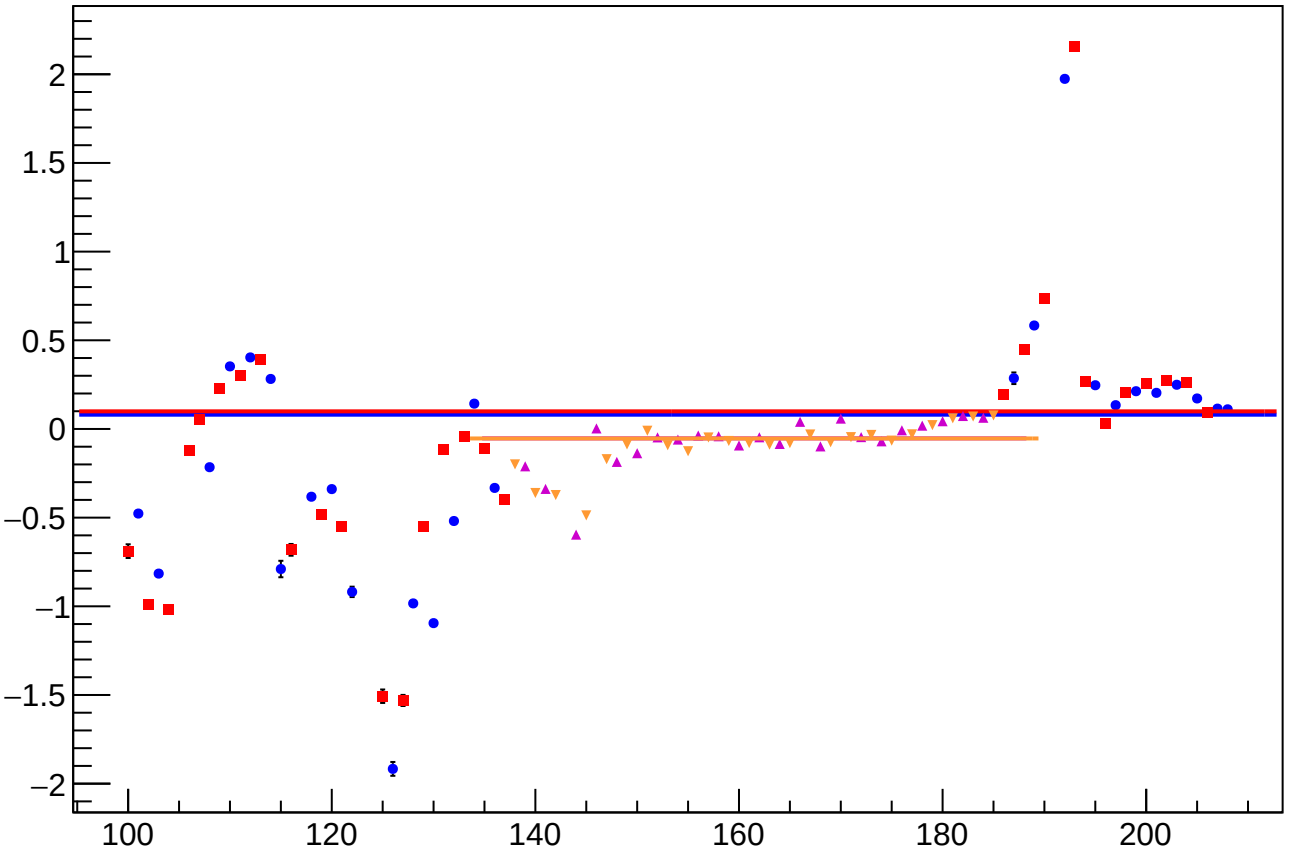
Right Out: -0.628+/-0.052 χ^2/NDF: 5505.5/28

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.162+/-0.030 χ^2/NDF: 12277.5/50

All: -1.029+/-0.021 χ^2/NDF: 24913.4/102

- sign -0.907+/-0.029 χ^2/NDF: 12598.7/51



Right In: 0.080+/-0.002 χ^2/NDF: 34340.7/26

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

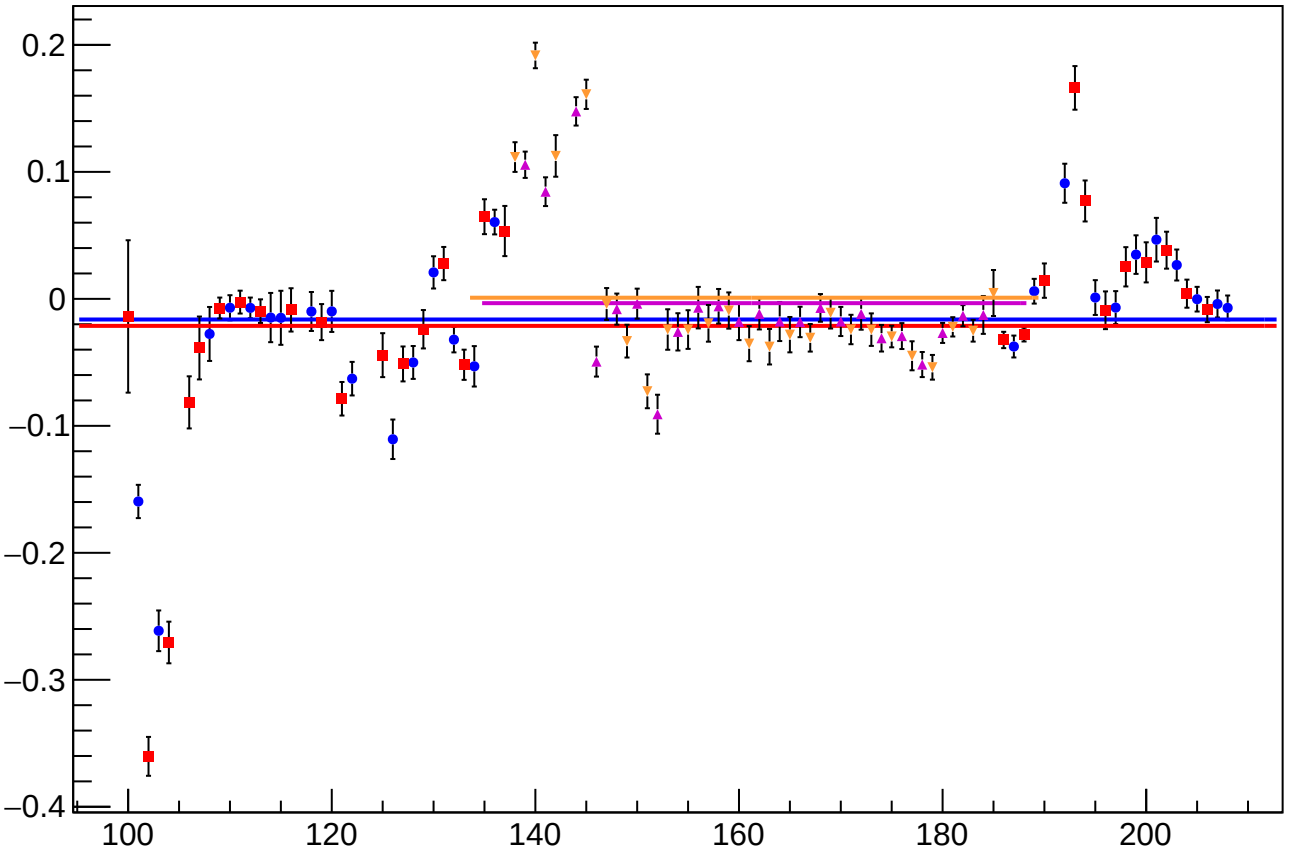
Right Out: 0.099+/-0.002 χ^2/NDF: 34017.1/28

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.012+/-0.001 χ^2/NDF: 40877.5/50

All: -0.011+/-0.001 χ^2/NDF: 82897.3/102

- sign -0.010+/-0.001 χ^2/NDF: 42018.2/51



Right In: -0.016+/-0.002 χ^2/NDF: 595.6/26

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

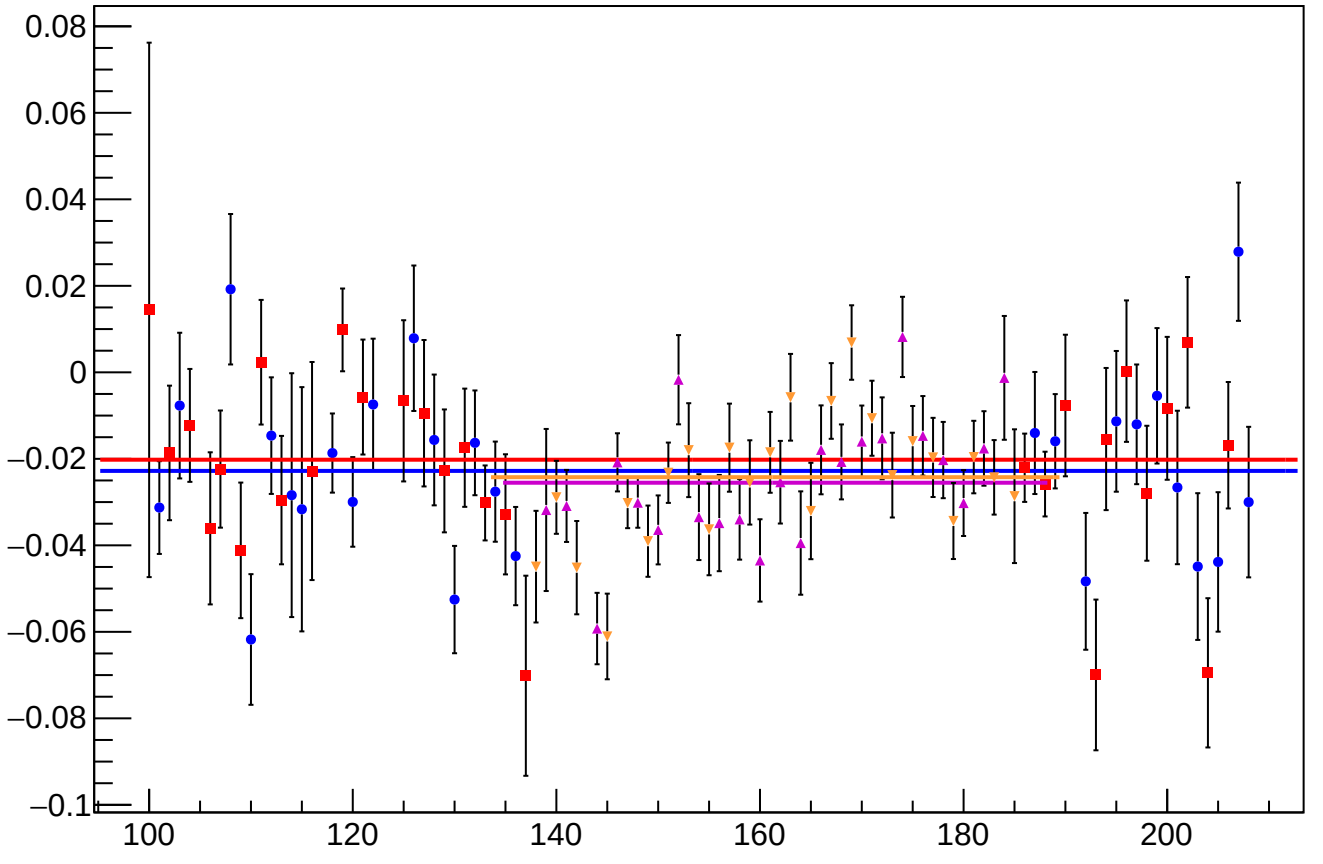
Right Out: -0.021+/-0.002 χ^2/NDF: 1050.6/28

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.008+/-0.002 χ^2/NDF: 1471.4/50

All: -0.011+/-0.001 χ^2/NDF: 3015.1/102

- sign -0.013+/-0.002 χ^2/NDF: 1538.5/51



Right In: -0.023+/-0.003 χ^2/NDF: 48.3/26

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

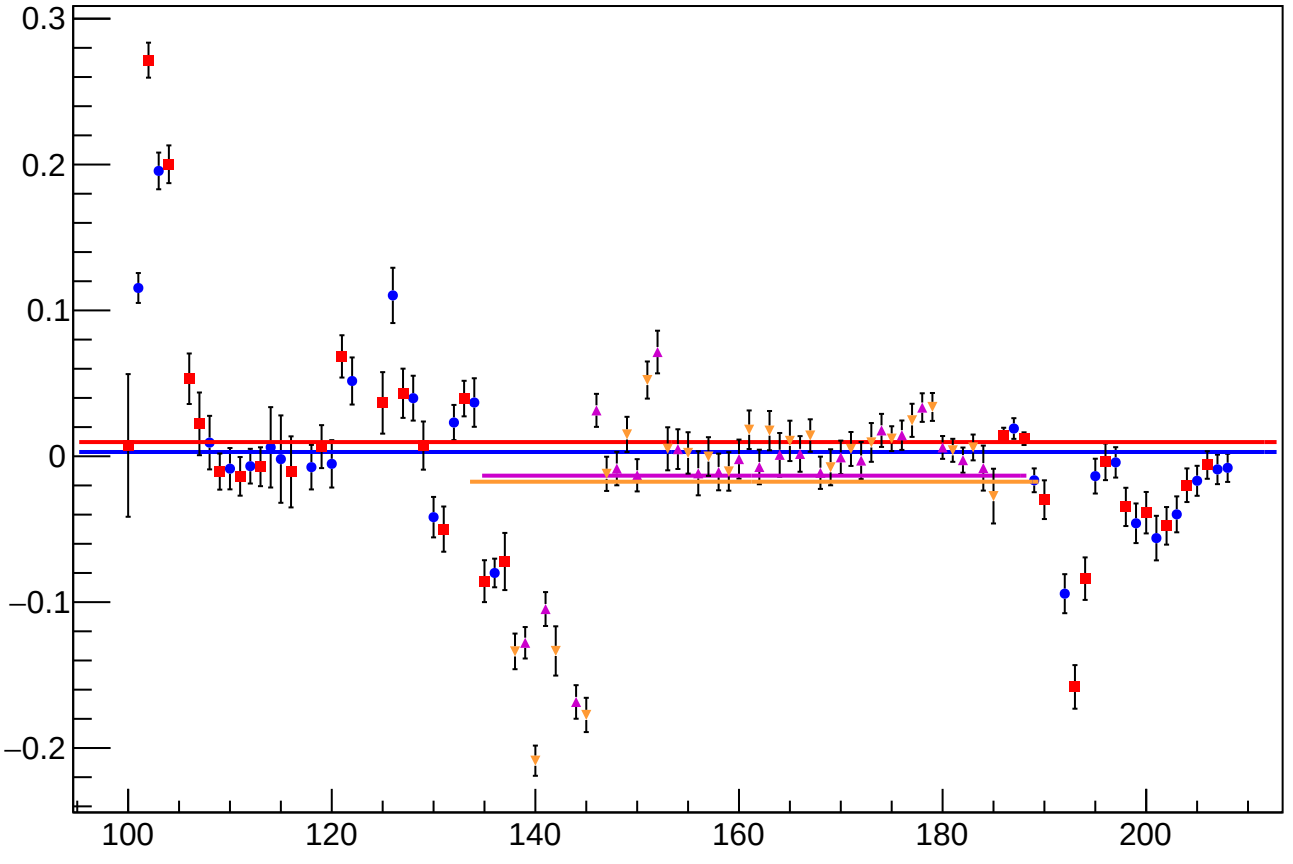
Right Out: -0.020+/-0.003 χ^2/NDF: 48.3/28

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 102.2/50

All: -0.024+/-0.001 χ^2/NDF: 208.4/102

- sign -0.024+/-0.002 χ^2/NDF: 106.1/51



Right In: 0.003+/-0.002 χ^2/NDF: 605.1/26

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

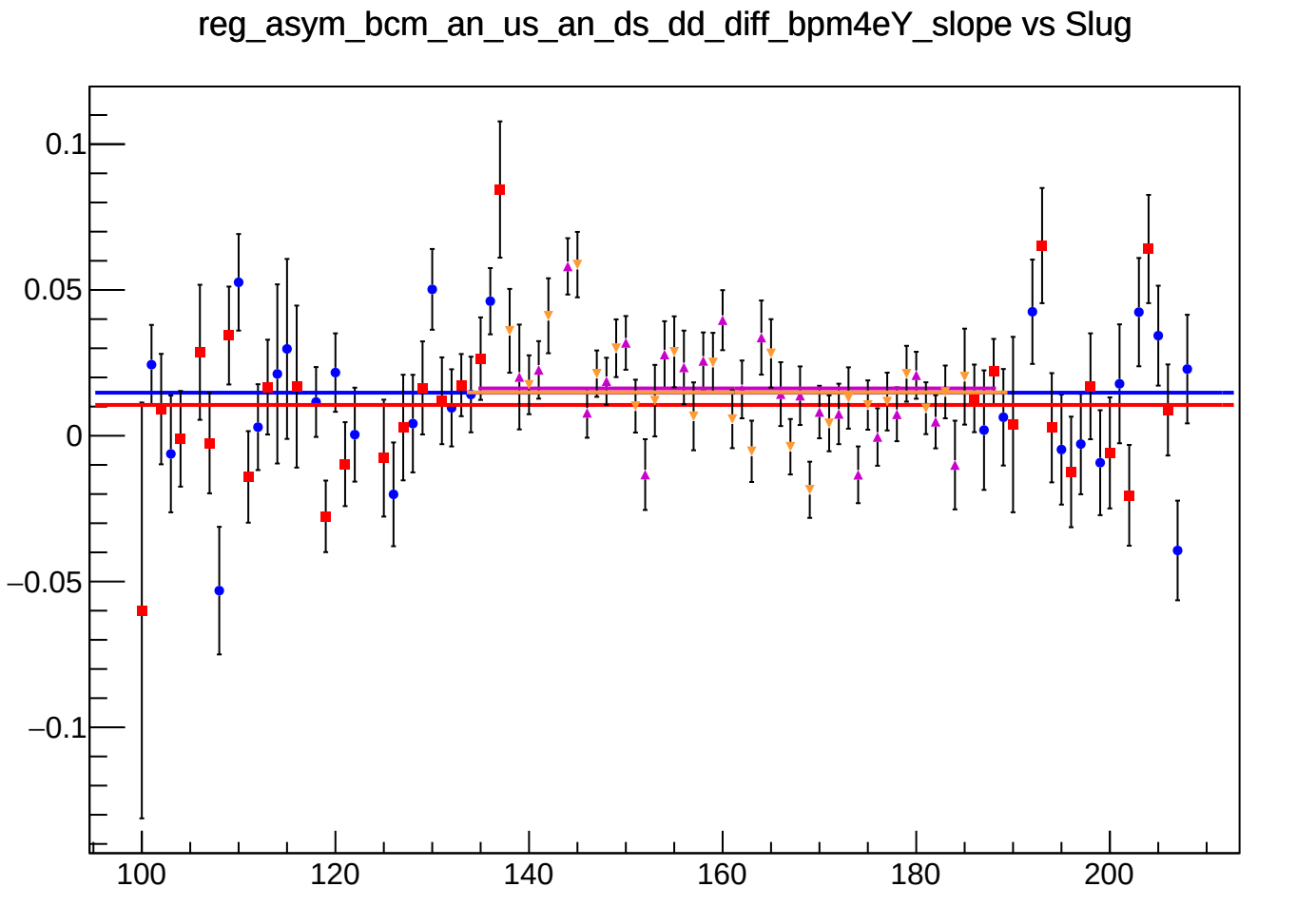
Right Out: 0.010+/-0.002 χ^2/NDF: 1043.1/28

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.007+/-0.002 χ^2/NDF: 1454.3/50

All: -0.004+/-0.001 χ^2/NDF: 3016.7/102

- sign -0.000+/-0.002 χ^2/NDF: 1553.9/51



Right In: 0.015+/-0.003 χ^2/NDF: 57.8/26

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

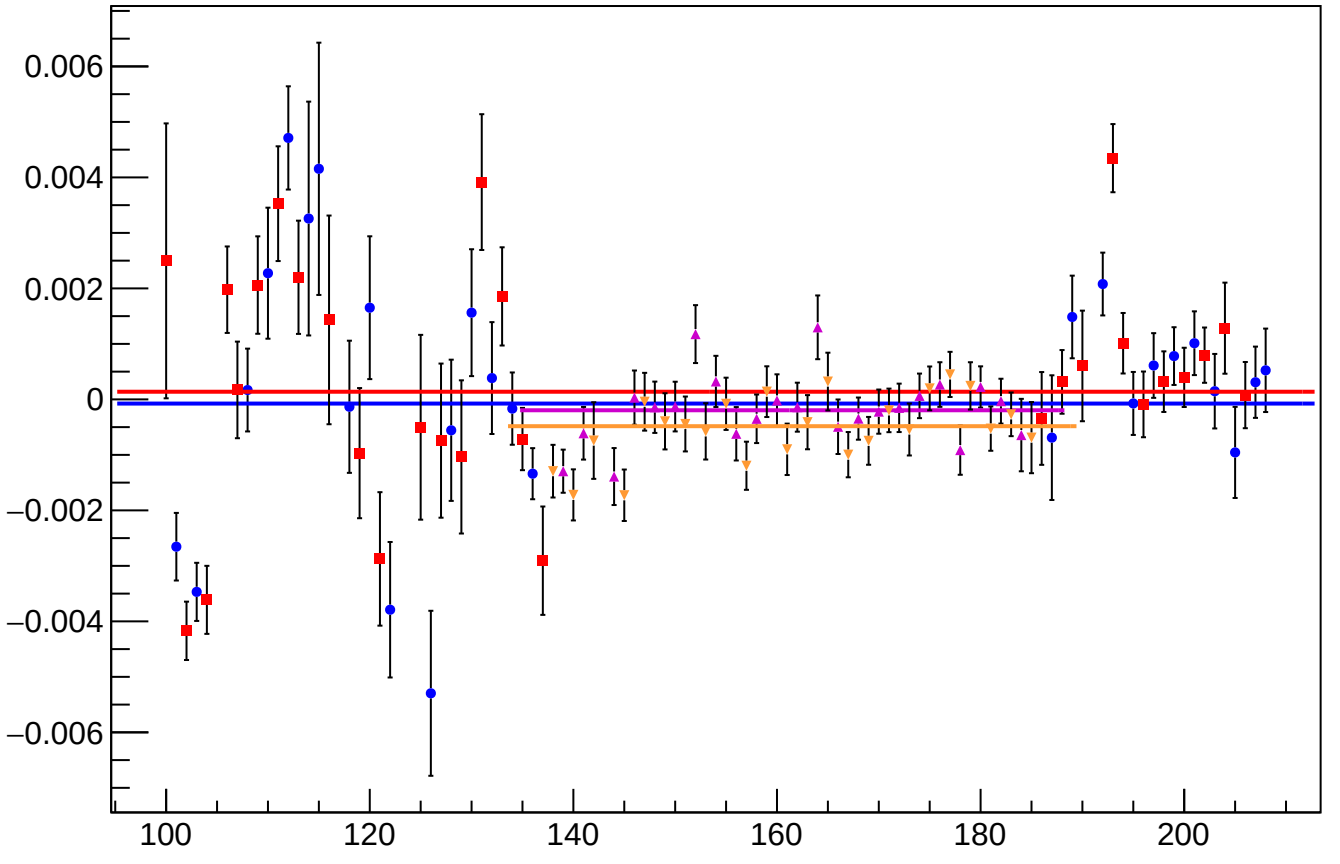
Right Out: 0.011+/-0.003 χ^2/NDF: 54.7/28

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.015+/-0.002 χ^2/NDF: 109.8/50

All: 0.015+/-0.001 χ^2/NDF: 224.9/102

- sign 0.014+/-0.002 χ^2/NDF: 115.0/51



Right In: -0.000+/-0.000 χ^2/NDF: 158.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 219.3/28

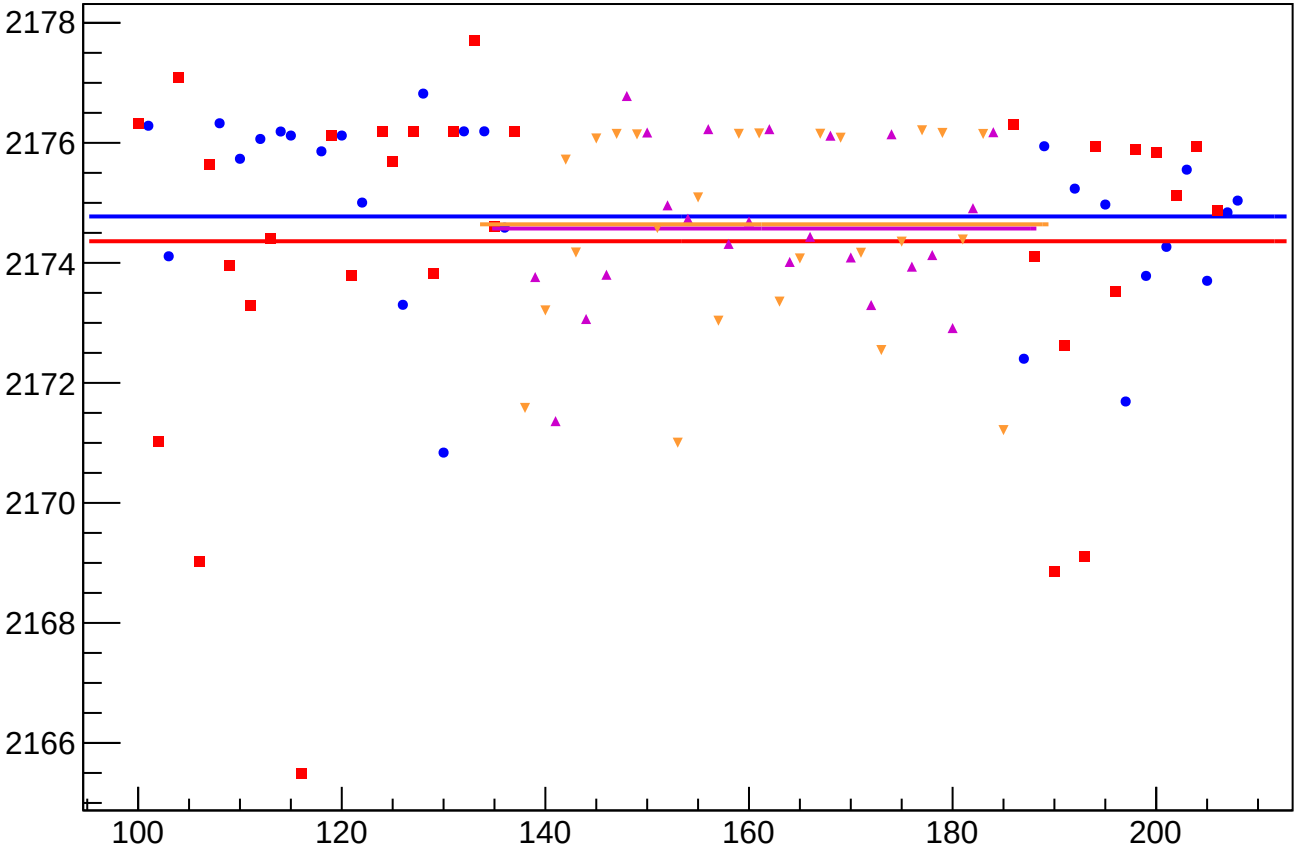
Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 205.4/50

All: -0.000+/-0.000 χ^2/NDF: 471.8/102

- sign -0.000+/-0.000 χ^2/NDF: 260.5/51

HALLA_p_mean vs Slug



Right In: 2174.774+/-0.000 χ^2/NDF: 319825477131342449242191745882521 6.0/26

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

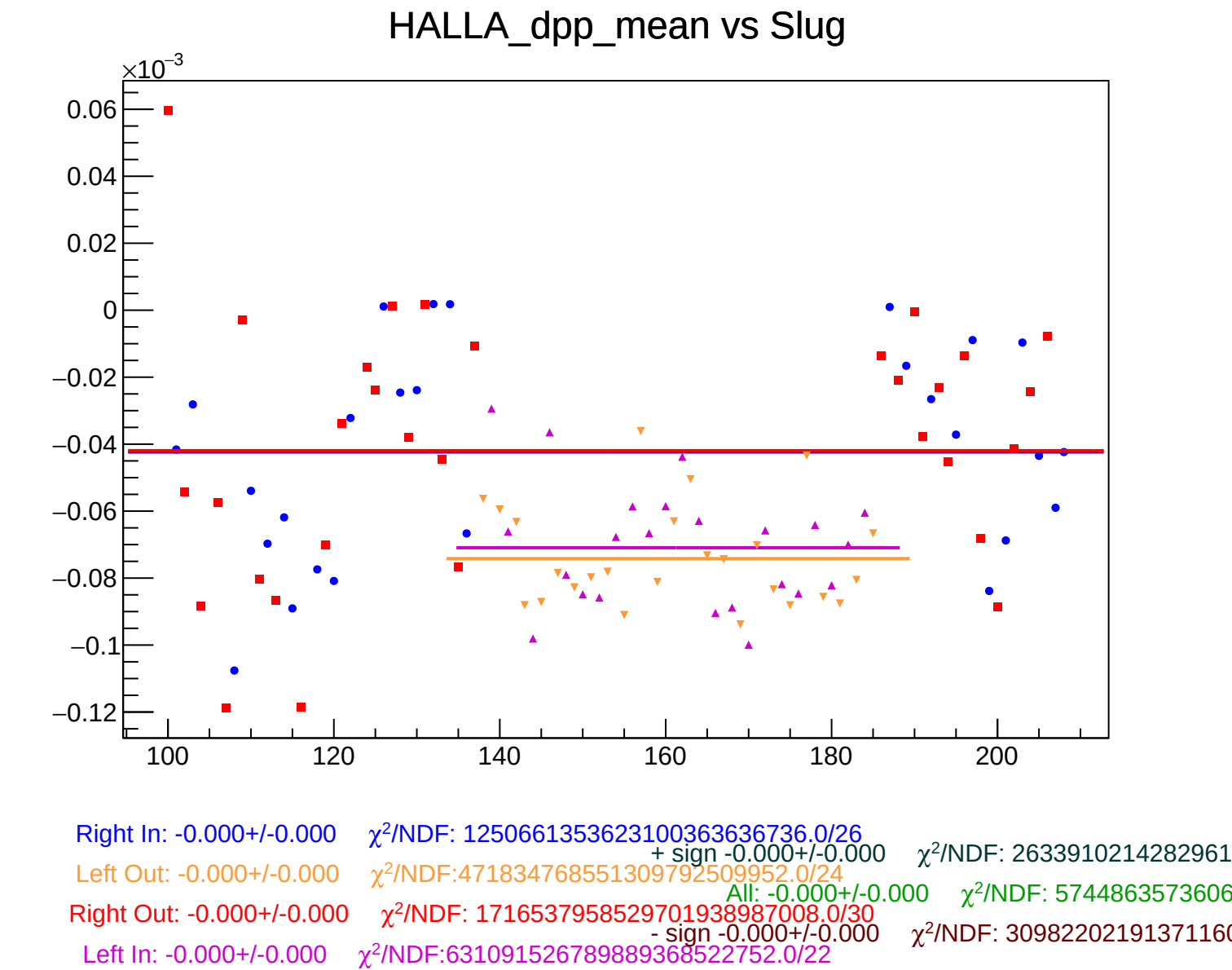
Right Out: 2174.360+/-0.000 χ^2/NDF: 997248688077887114885867035951 1040.0/30

Left In: 2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291 52.0/22

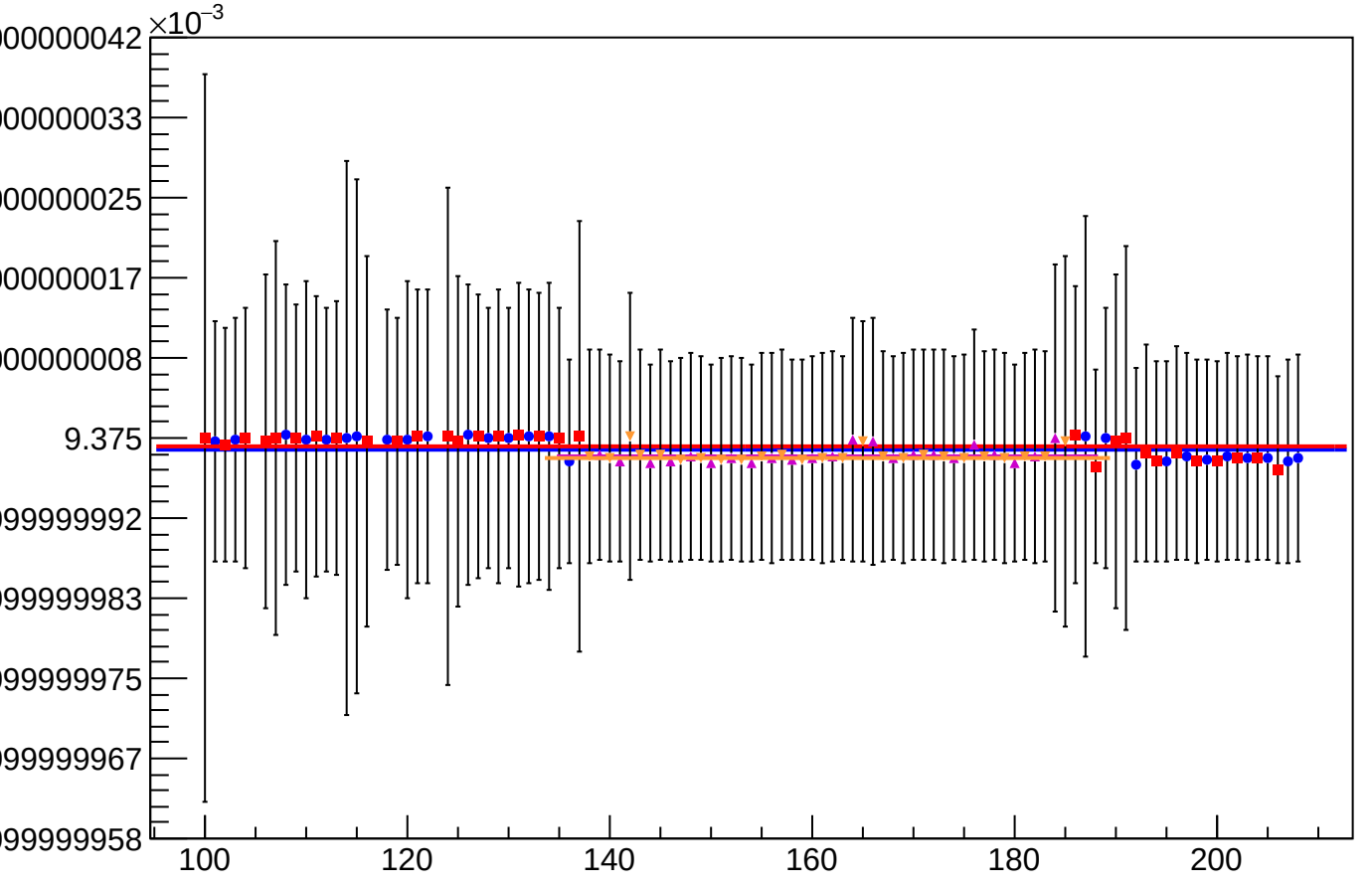
+ sign 2174.701+/-0.000 χ^2/NDF: 84253663264133

All: 2174.588+/-0.000 χ^2/NDF: 219630045 30

- sign 2174.473+/-0.000 χ^2/NDF: 13444039669102


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
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 12506613536231003636367360/26
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
Right Out: -0.000+/-0.000 χ²/NDF: 1716537958529701938987008.0/30
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
+ sign -0.000+/-0.000 χ²/NDF: 2633910214282961
All: -0.000+/-0.000 χ²/NDF: 5744863573606
- sign -0.000+/-0.000 χ²/NDF: 30982202191371160

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/30

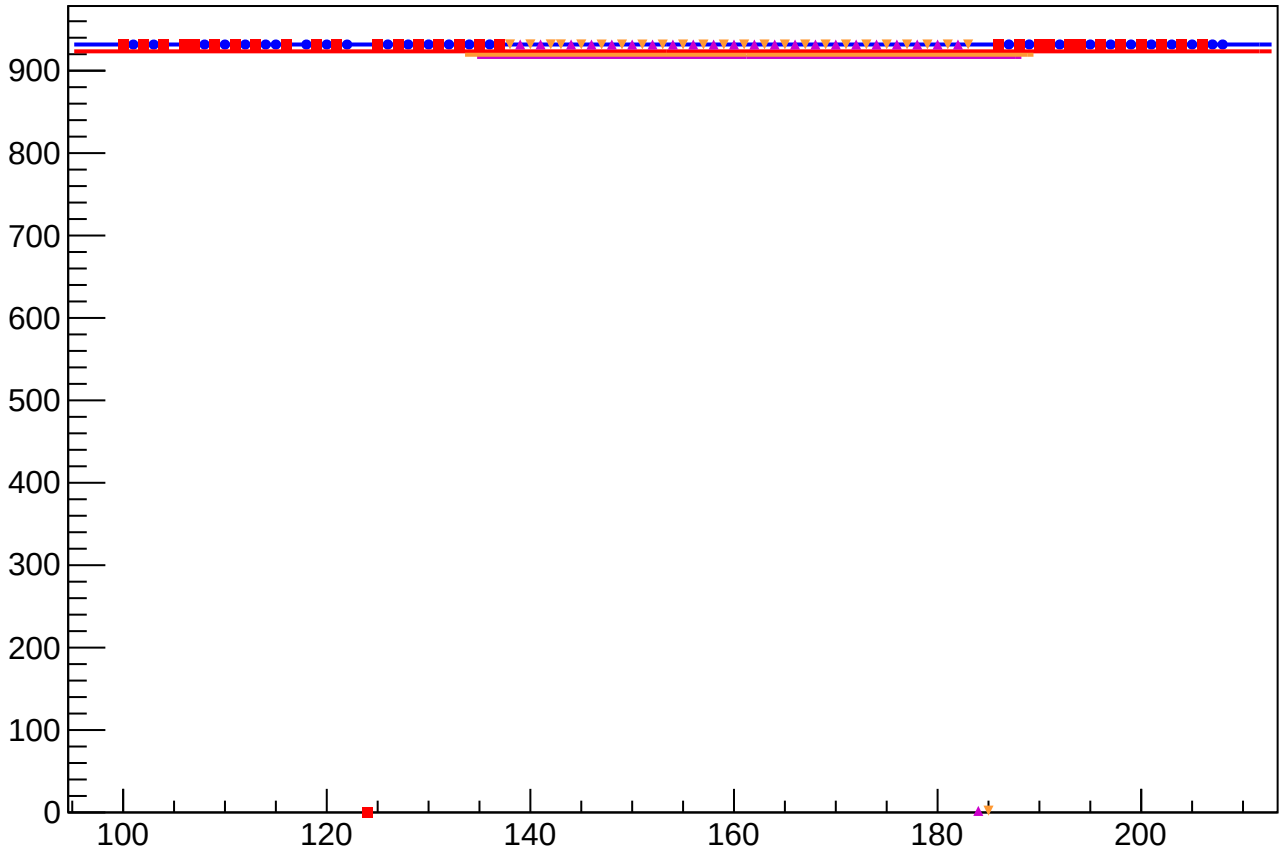
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/51

All: 0.009+/-0.000 χ^2/NDF: 1.0/105

- sign 0.009+/-0.000 χ^2/NDF: 0.4/53

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.779+/-0.000 χ^2/NDF: 339157658145679247573833796812 8.0/26

+ sign 924.883+/-0.000 χ^2/NDF: 231600103948520

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812 43648.0/24

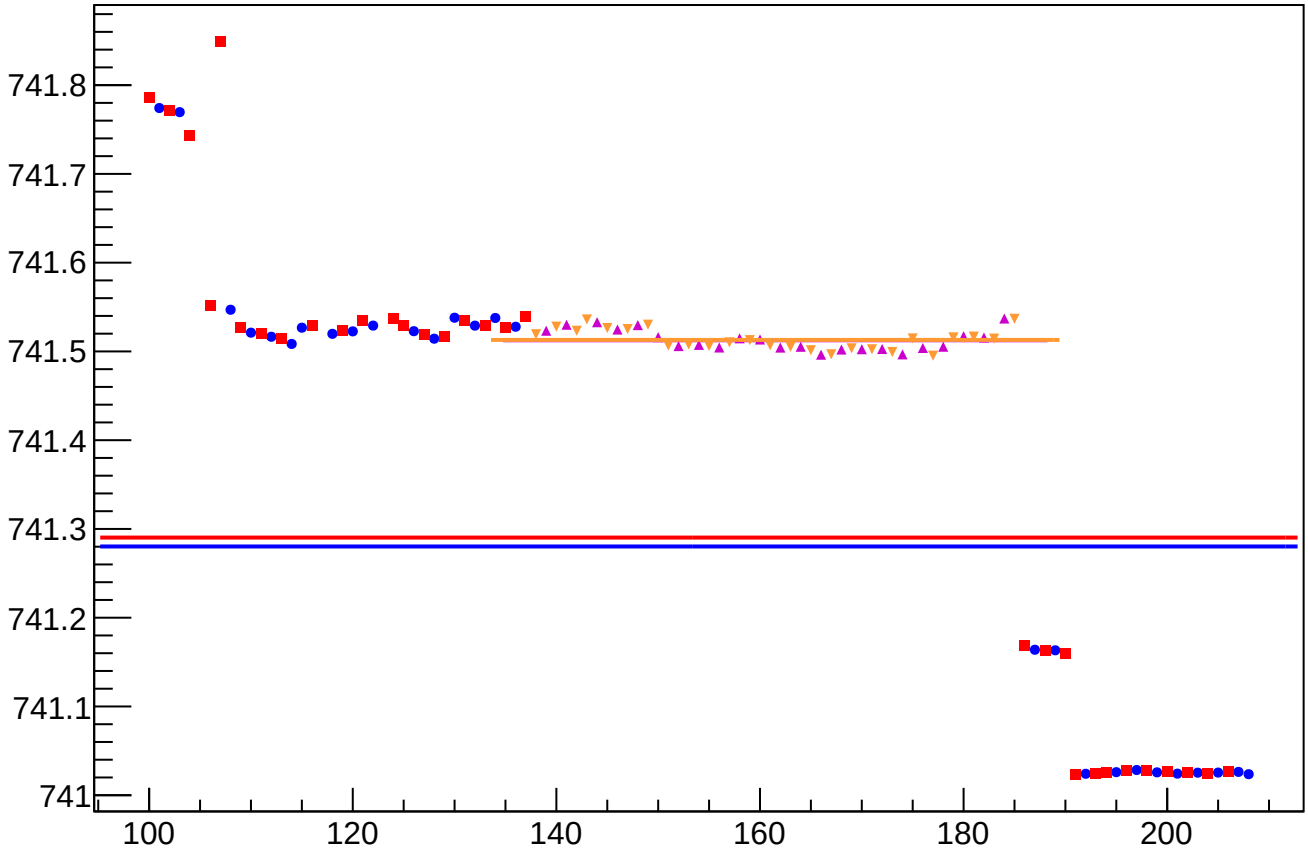
All: 922.384+/-0.000 χ^2/NDF: 625232841937

Right Out: 923.472+/-0.000 χ^2/NDF: 1290623767679280294004340700945 8946048.0/30

- sign 919.850+/-0.000 χ^2/NDF: 393175178666391

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855 72352.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.280+/-0.000 χ^2/NDF: 12146239673521979514041079640883 2.0/26

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: 741.290+/-0.000 χ^2/NDF: 12497499582457378759139446384230 4.0/30

Left In: 741.513+/-0.000 χ^2/NDF:23470398303008542318589588275 2.0/22

+ sign 741.409+/-0.000 χ^2/NDF: 17038144518645

All: 741.409+/-0.000 χ^2/NDF: 3397451503

- sign 741.408+/-0.000 χ^2/NDF: 169362008119464

HacL_Q3_HP3458A_IOUT_mean vs Slug

Right In: 980.806+/-0.000 χ^2/NDF: 1854101372643293583221177974784.0/26

+ sign 973.523+/-0.000 χ^2/NDF: 256600594451962

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

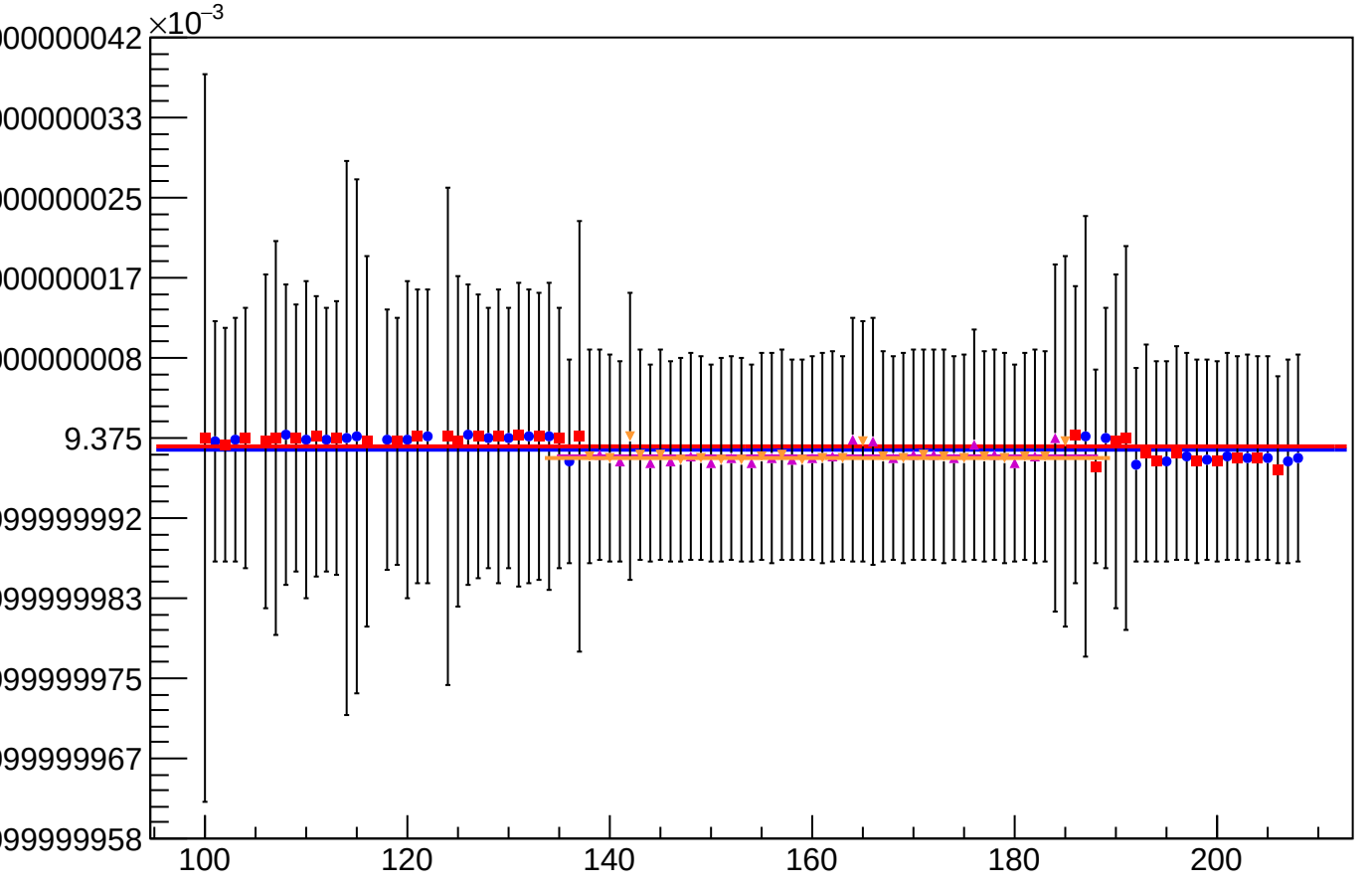
All: 972.925+/-0.000 χ^2/NDF: 55105153173

Right Out: 980.778+/-0.000 χ^2/NDF: 6340491652581270169990077612032 0.0/30

- sign 972.319+/-0.000 χ^2/NDF: 294424747428424

Left In: 964.854+/-0.000 χ^2/NDF:2921583896010307878411284562824501 6576.0/22

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/30

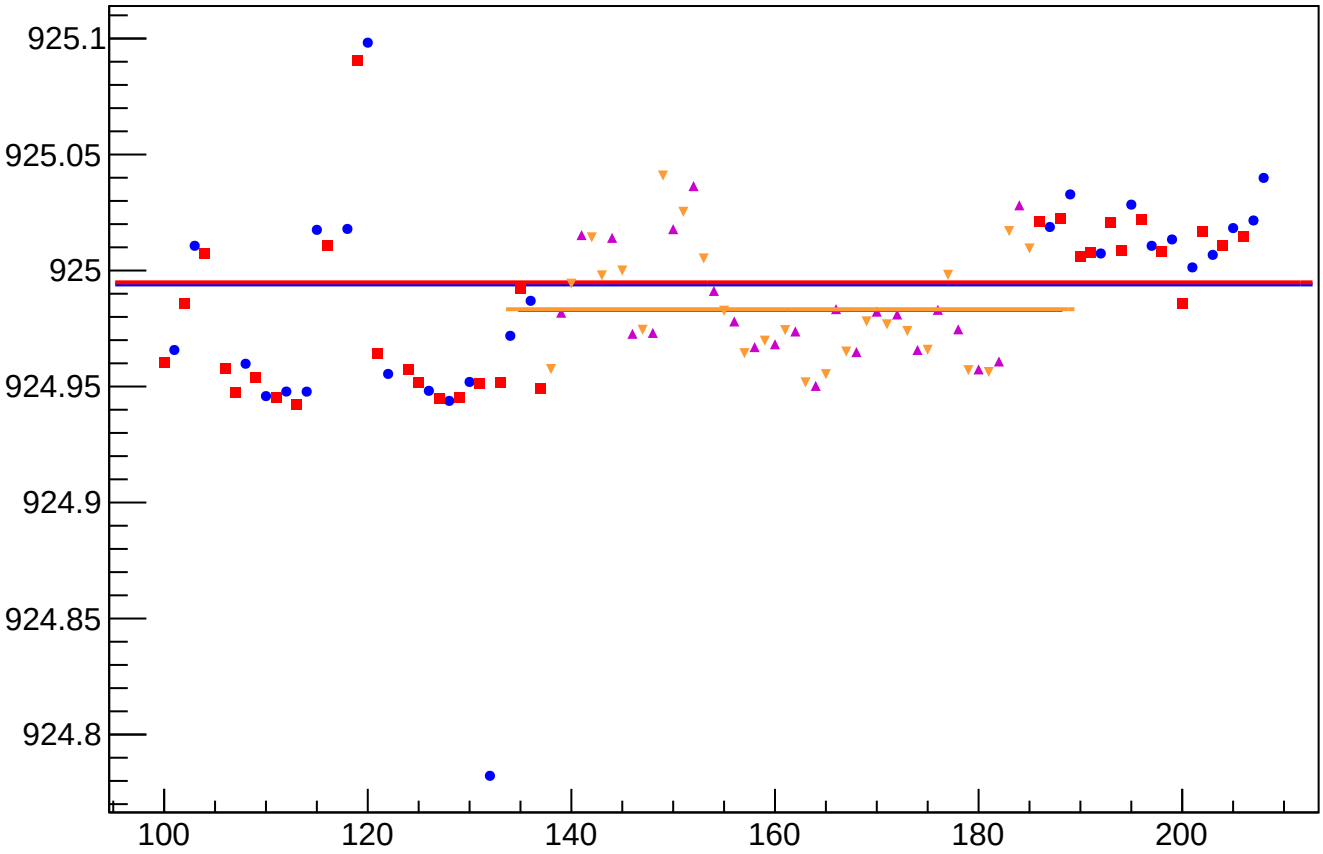
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/51

All: 0.009+/-0.000 χ^2/NDF: 1.0/105

- sign 0.009+/-0.000 χ^2/NDF: 0.4/53

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.994+/-0.000 χ^2/NDF: 3716436755433912263442402639872.0/26

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.995+/-0.000 χ^2/NDF: 19480376443588010571087300526 08.0/30

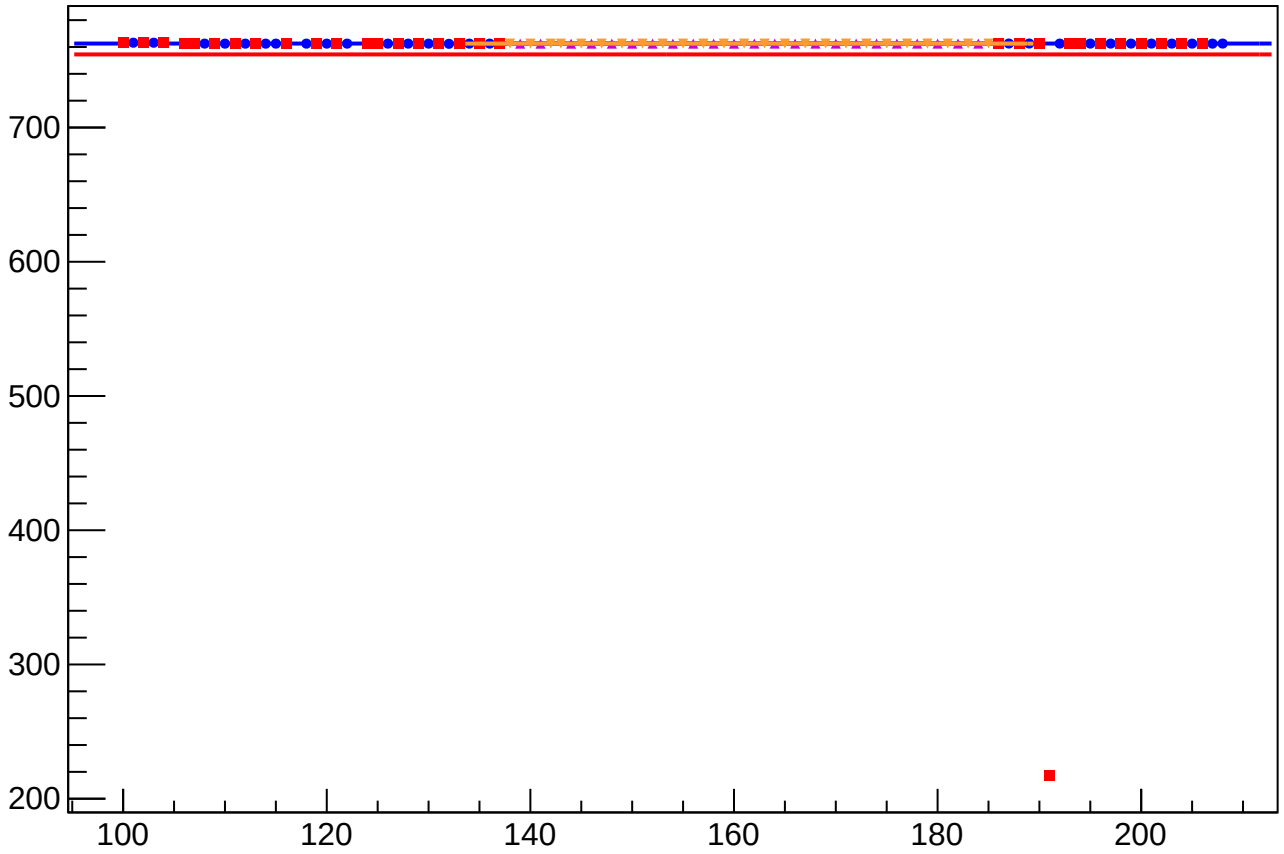
Left In: 924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

+ sign 924.988+/-0.000 χ^2/NDF: 498041263358833

All: 924.988+/-0.000 χ^2/NDF: 7983596025 26

- sign 924.989+/-0.000 χ^2/NDF: 300270940177436

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.565+/-0.000 χ^2/NDF: 553333050346417986503023672688 64.0/26

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: 754.464+/-0.000 χ^2/NDF: 732877271377840939395180390960542 5152.0/30

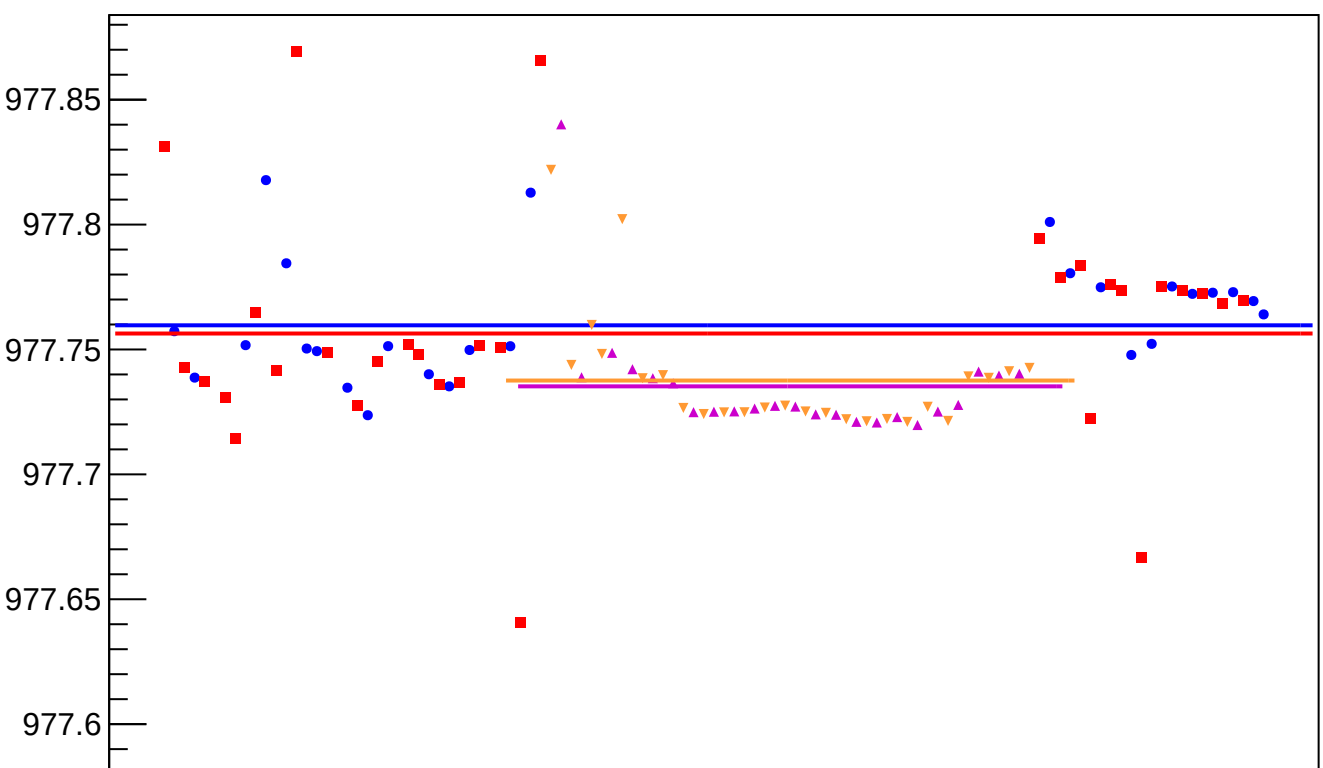
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.539+/-0.000 χ^2/NDF: 580898255313285

All: 760.654+/-0.000 χ^2/NDF: 74128396676

- sign 758.743+/-0.000 χ^2/NDF: 738674485144434

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.760+/-0.000 χ^2/NDF: 2213759602355522943705252102144.0/26

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: 977.756+/-0.000 χ^2/NDF: 284015521816948996145394011340 8.0/30

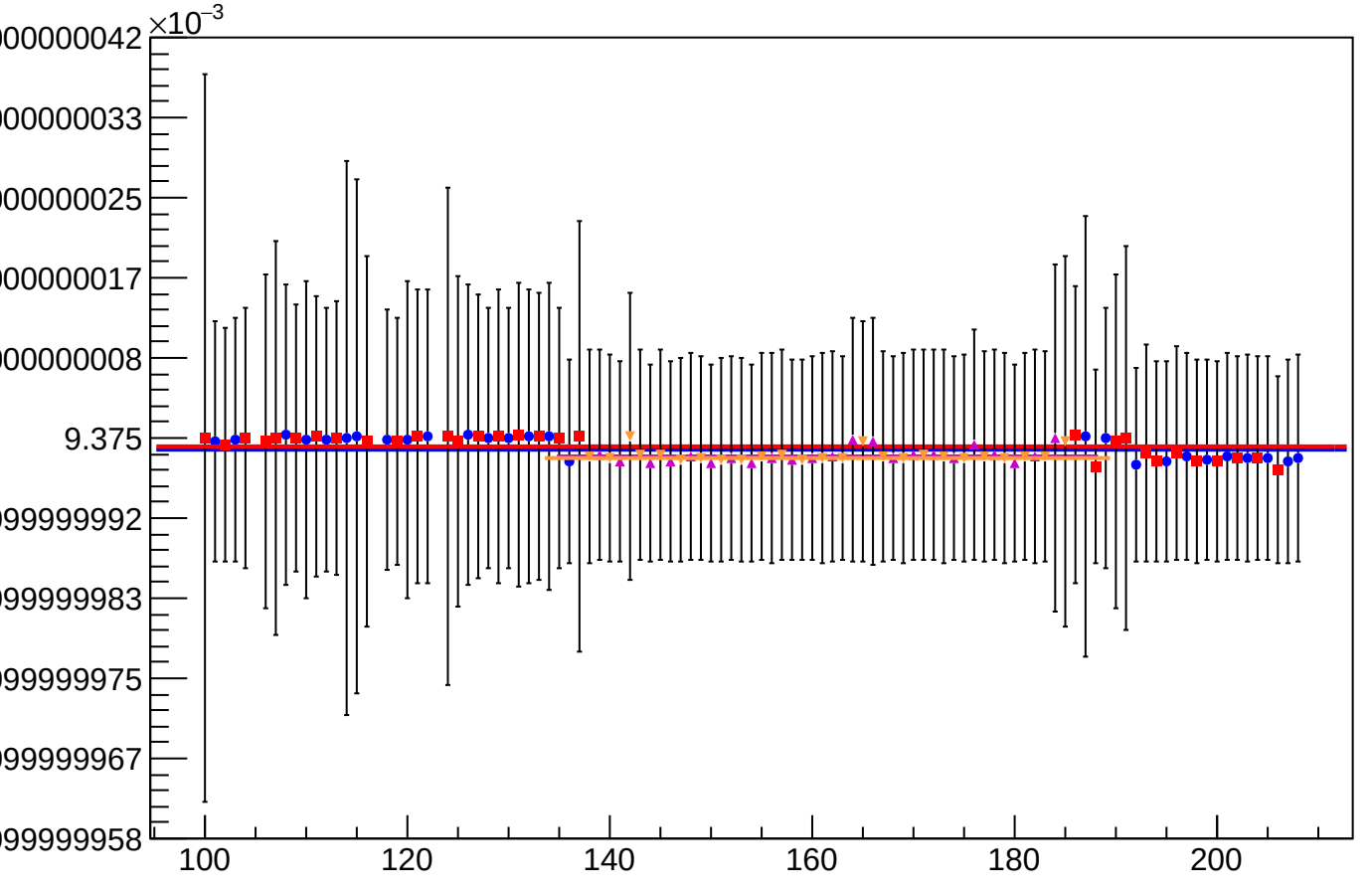
Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254 0672.0/22

+ sign 977.747+/-0.000 χ^2/NDF: 383151447885745

All: 977.746+/-0.000 χ^2/NDF: 81775168990

- sign 977.745+/-0.000 χ^2/NDF: 433678617190075

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/30

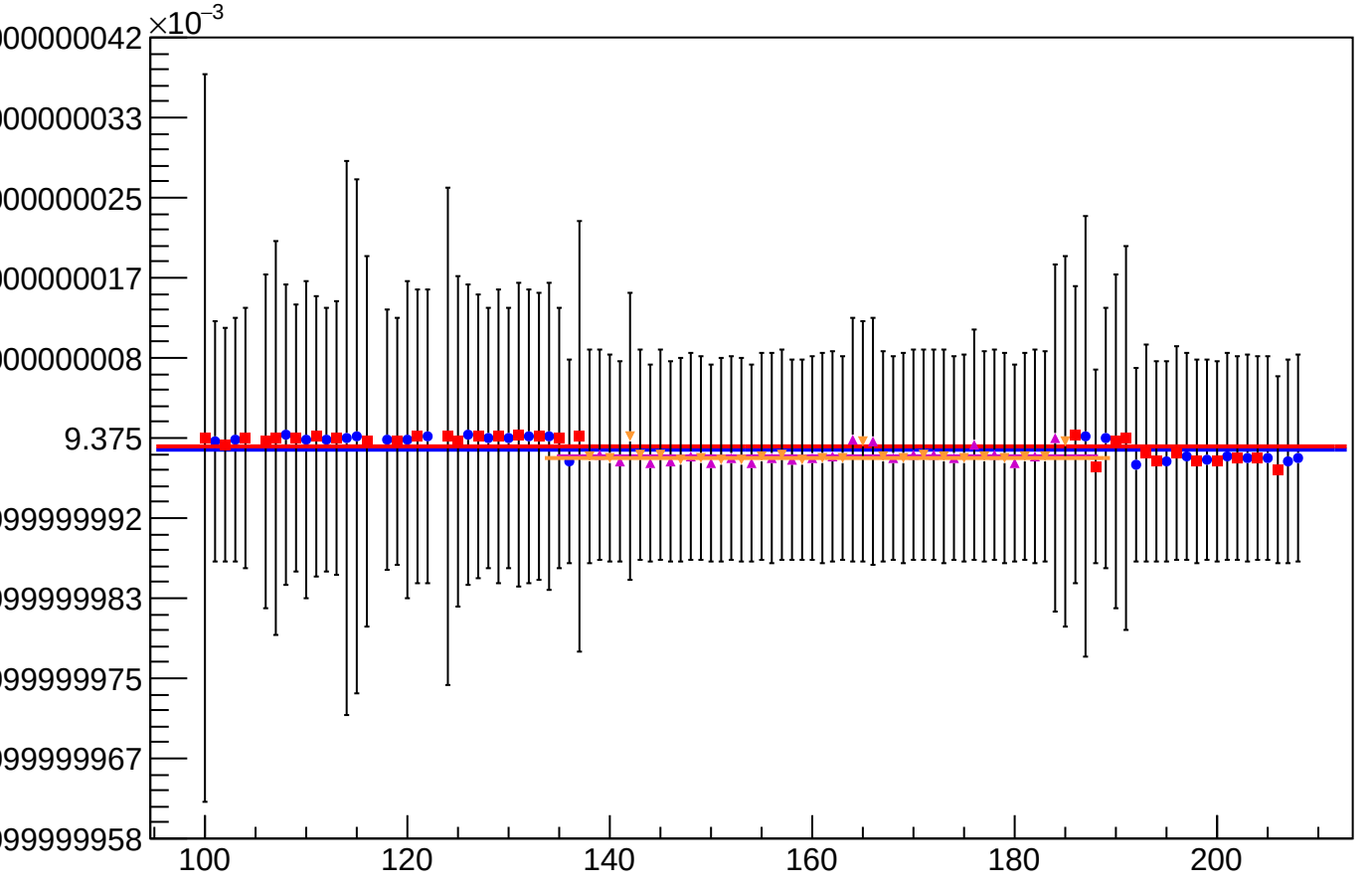
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

\+ sign 0.009+/-0.000 χ^2/NDF: 0.3/51

All: 0.009+/-0.000 χ^2/NDF: 1.0/105

\- sign 0.009+/-0.000 χ^2/NDF: 0.4/53

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/30

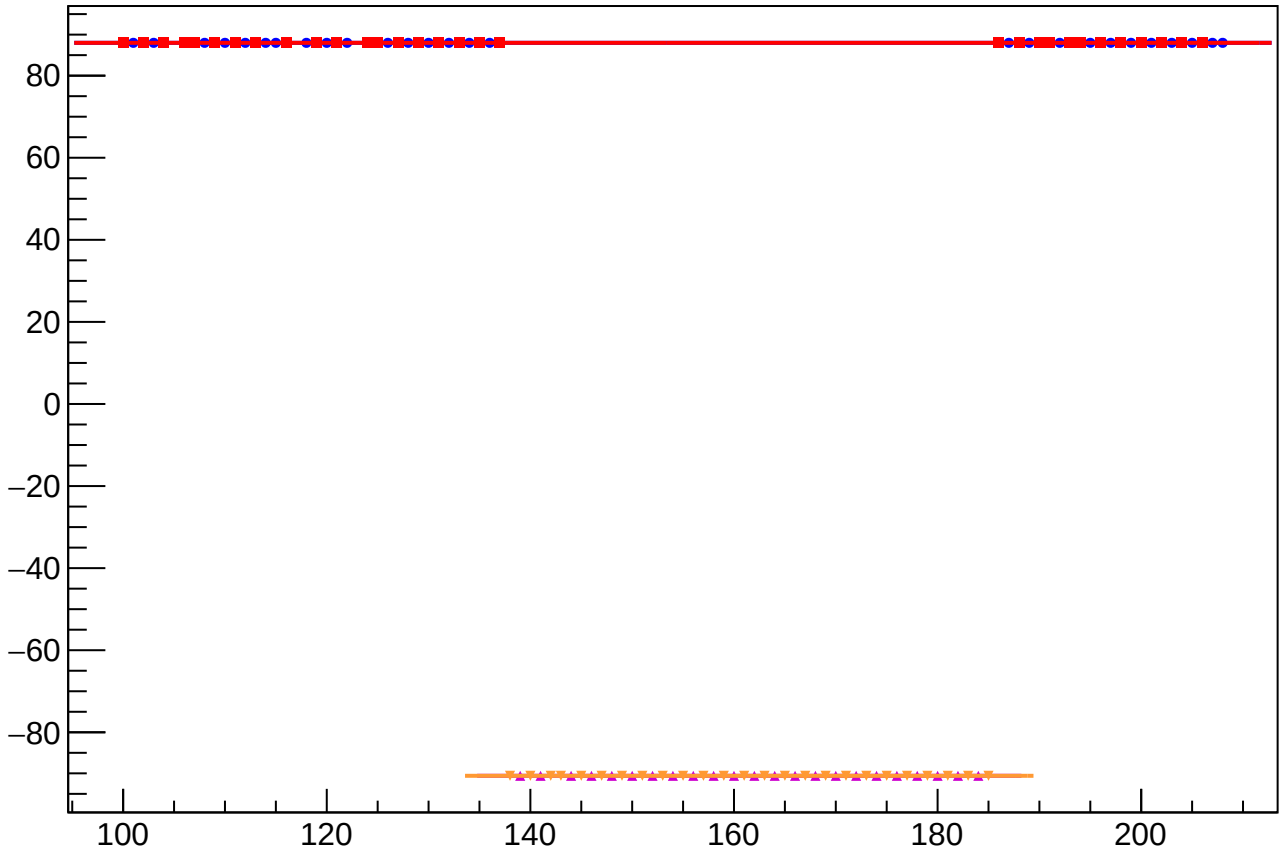
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/51

All: 0.009+/-0.000 χ^2/NDF: 1.0/105

- sign 0.009+/-0.000 χ^2/NDF: 0.4/53

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 2990047.9/26

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: 88.002+/-0.000 χ^2/NDF: 76274312804047448547132440576.0/30

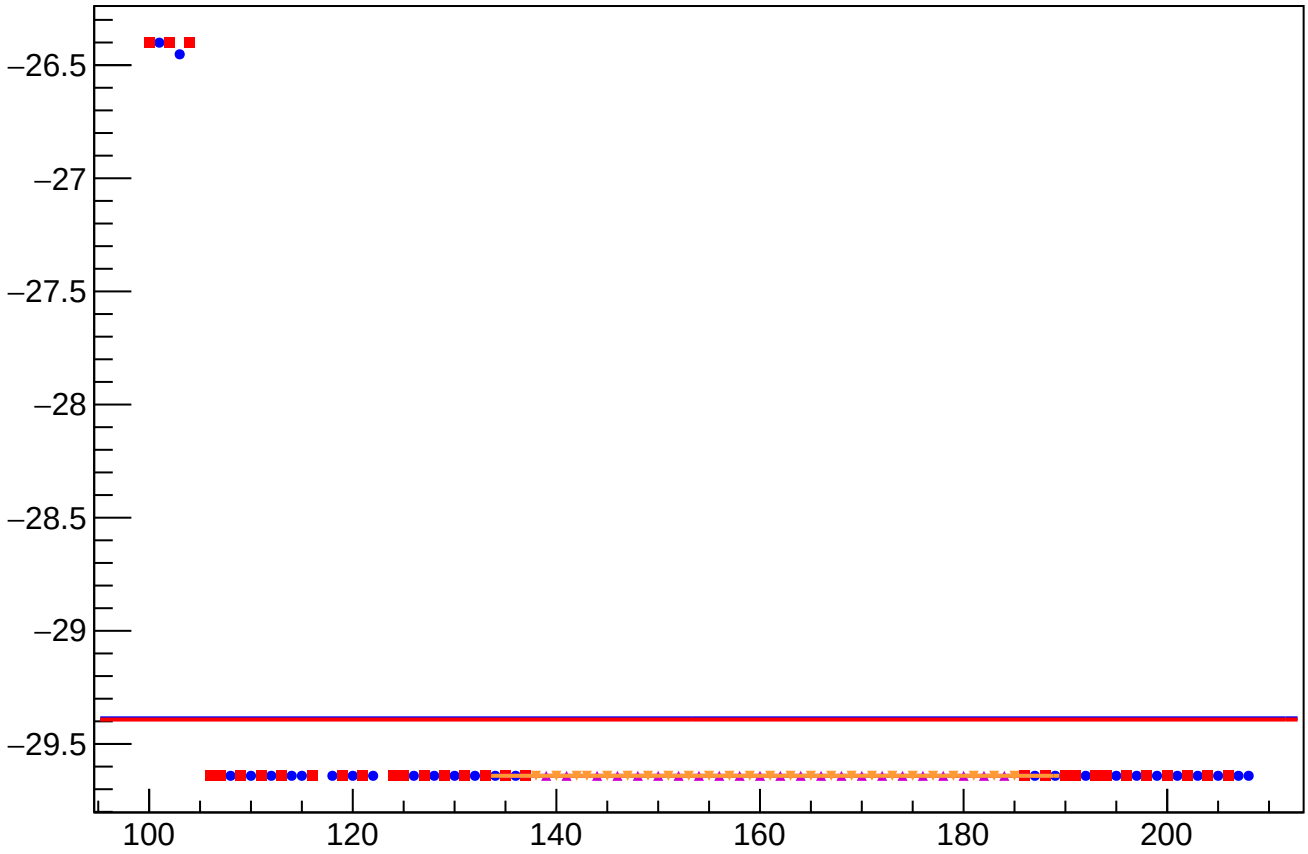
Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -11.069+/-0.000 χ^2/NDF: 286639733132490

All: -8.986+/-0.000 χ^2/NDF: 5719710639559

- sign -6.874+/-0.000 χ^2/NDF: 2850134322978329

HWienAngle_mean vs Slug



Right In: -29.387+/-0.000 χ^2/NDF: 12183483085714309473575653028659 20.0/26

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

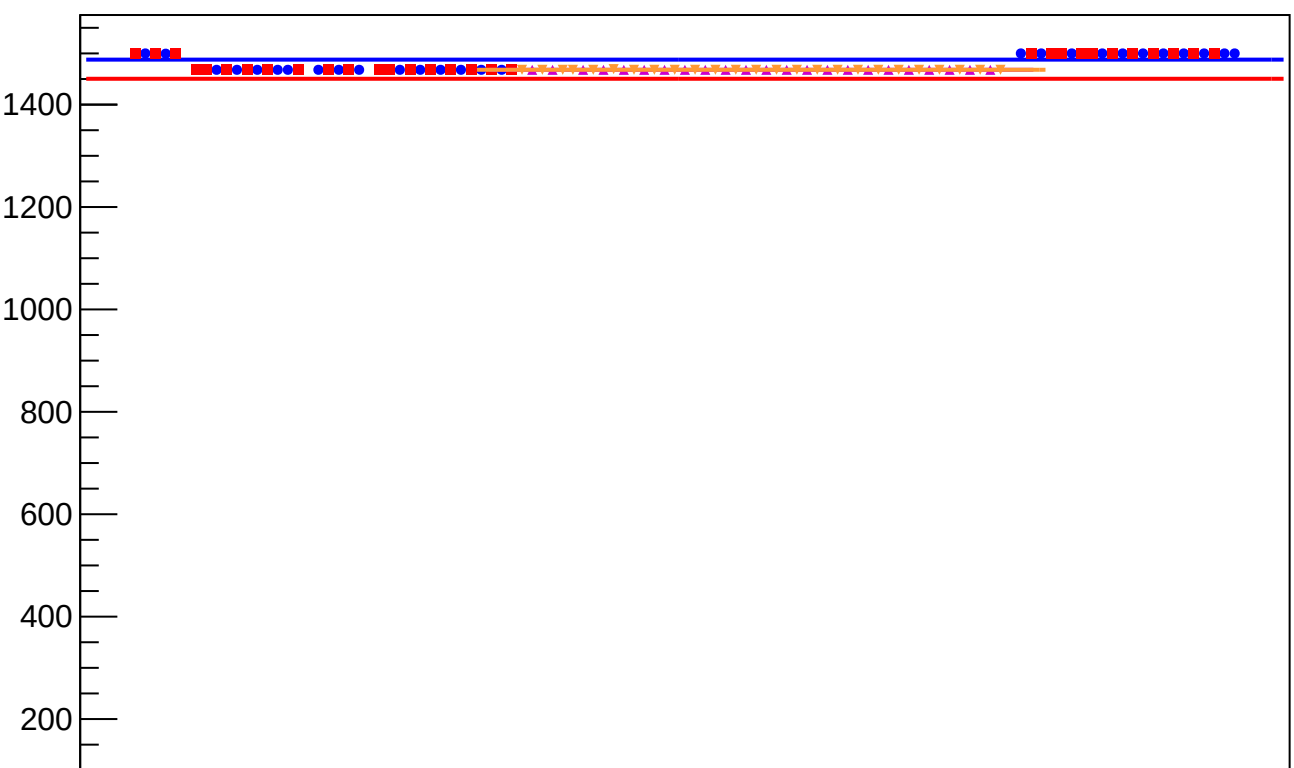
Right Out: -29.392+/-0.000 χ^2/NDF: 12503315643281843566433952795197 44.0/30

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.528+/-0.000 χ^2/NDF: 127632332961595

All: -29.526+/-0.000 χ^2/NDF: 258184694609

- sign -29.524+/-0.000 χ^2/NDF: 130550295250835



Right In: 1487.864+/-0.000 χ^2/NDF: 389950736201372218363129460613447680.0/26

+ sign 1476.874+/-0.000 χ^2/NDF: 74286883221223

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

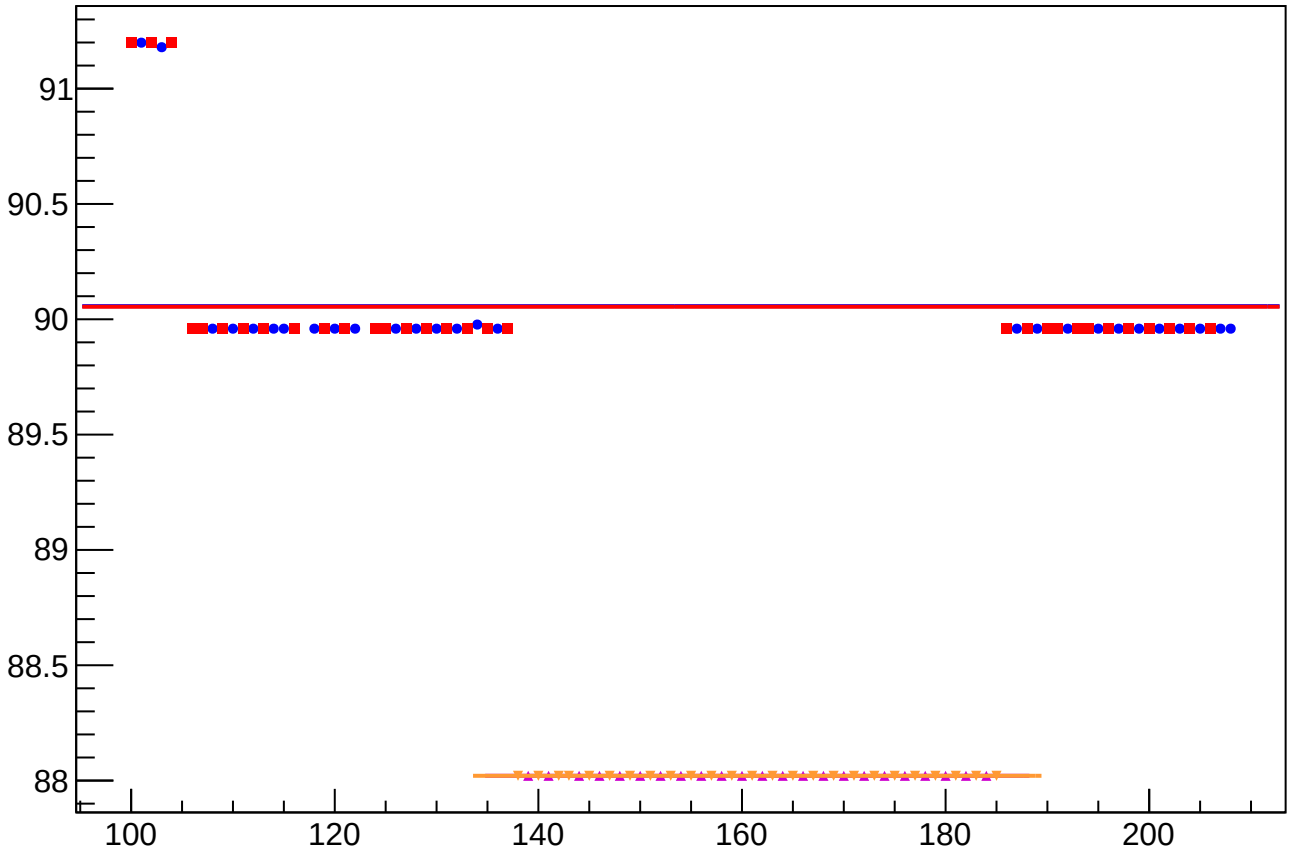
All: 1468.387+/-0.000 χ^2/NDF: 9256828674

Right Out: 1450.476+/-0.000 χ^2/NDF: 91023492131261079609265213570088435712.0/30

- sign 1459.781+/-0.000 χ^2/NDF: 91297690396451

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Phi_FG_mean vs Slug



Right In: 90.057+/-0.000 χ^2/NDF: 178330515164460210372850338496512.0/26

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.054+/-0.000 χ^2/NDF: 183138032818098303988558018379776.0/30

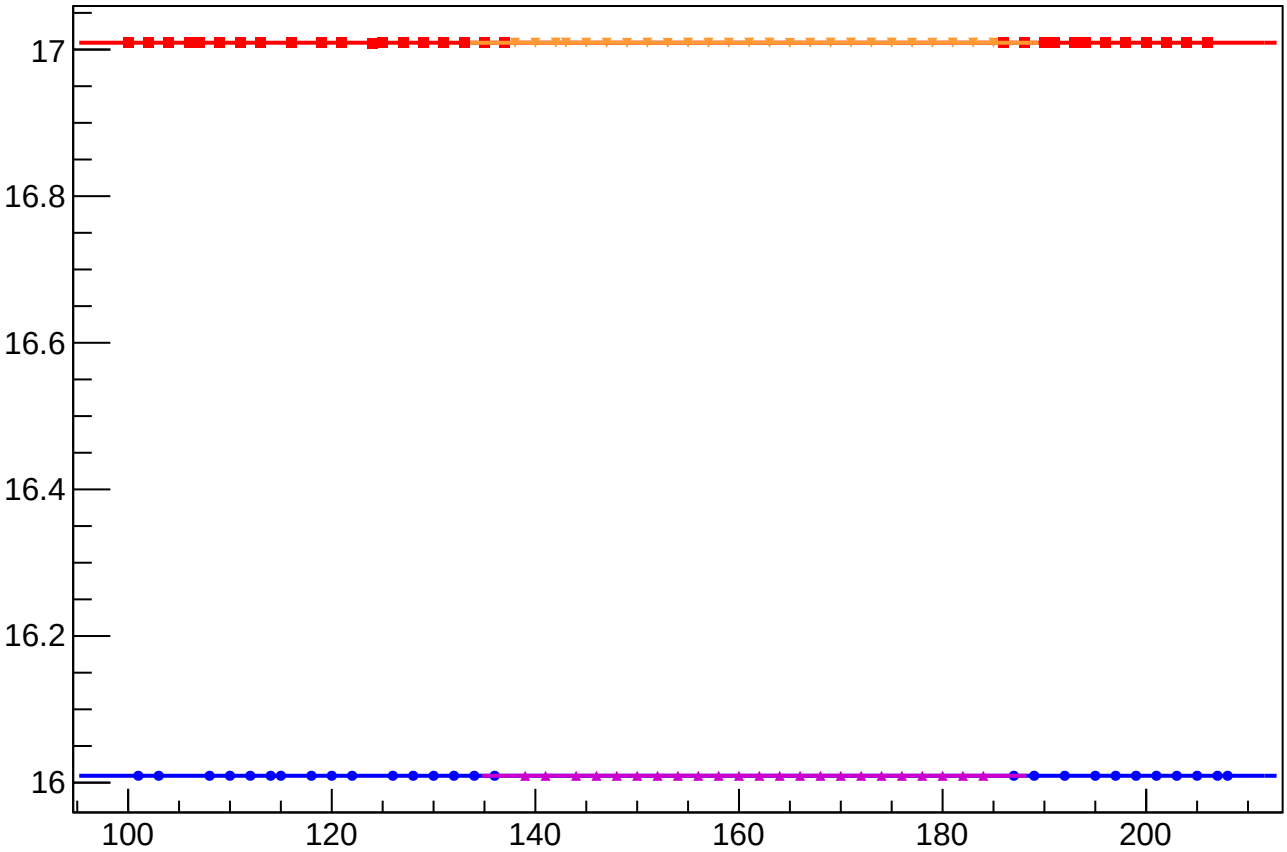
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.927+/-0.000 χ^2/NDF: 3904203240080305

All: 88.951+/-0.000 χ^2/NDF: 778672524192

- sign 88.974+/-0.000 χ^2/NDF: 3878593885055074

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 1060716973837332586168320/26

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760/24

Right Out: 17.009+/-0.000 χ^2/NDF: 19686544174090609999478784.0/30

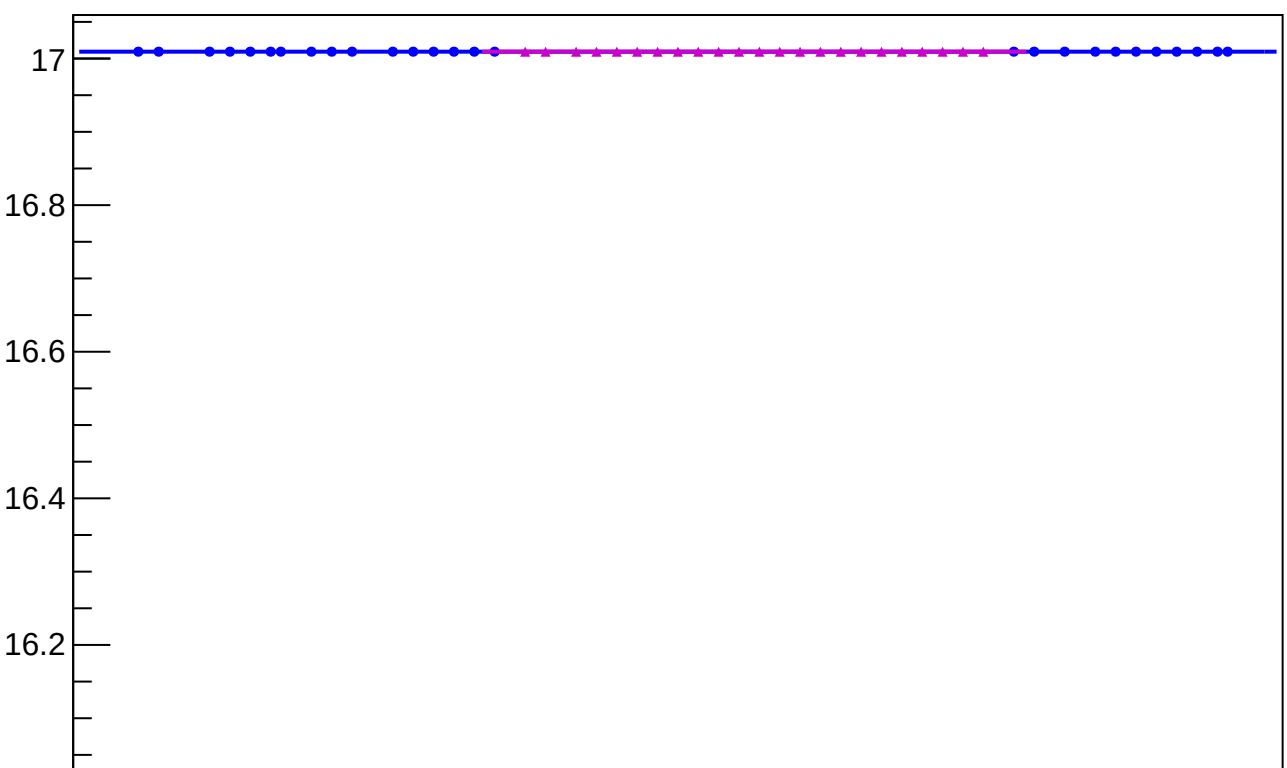
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.551+/-0.000 χ^2/NDF: 8569335850465401

All: 16.519+/-0.000 χ^2/NDF: 170752328679

- sign 16.486+/-0.000 χ^2/NDF: 8432979534613191

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 106091170477254054510592.0/26

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 651826.3/30

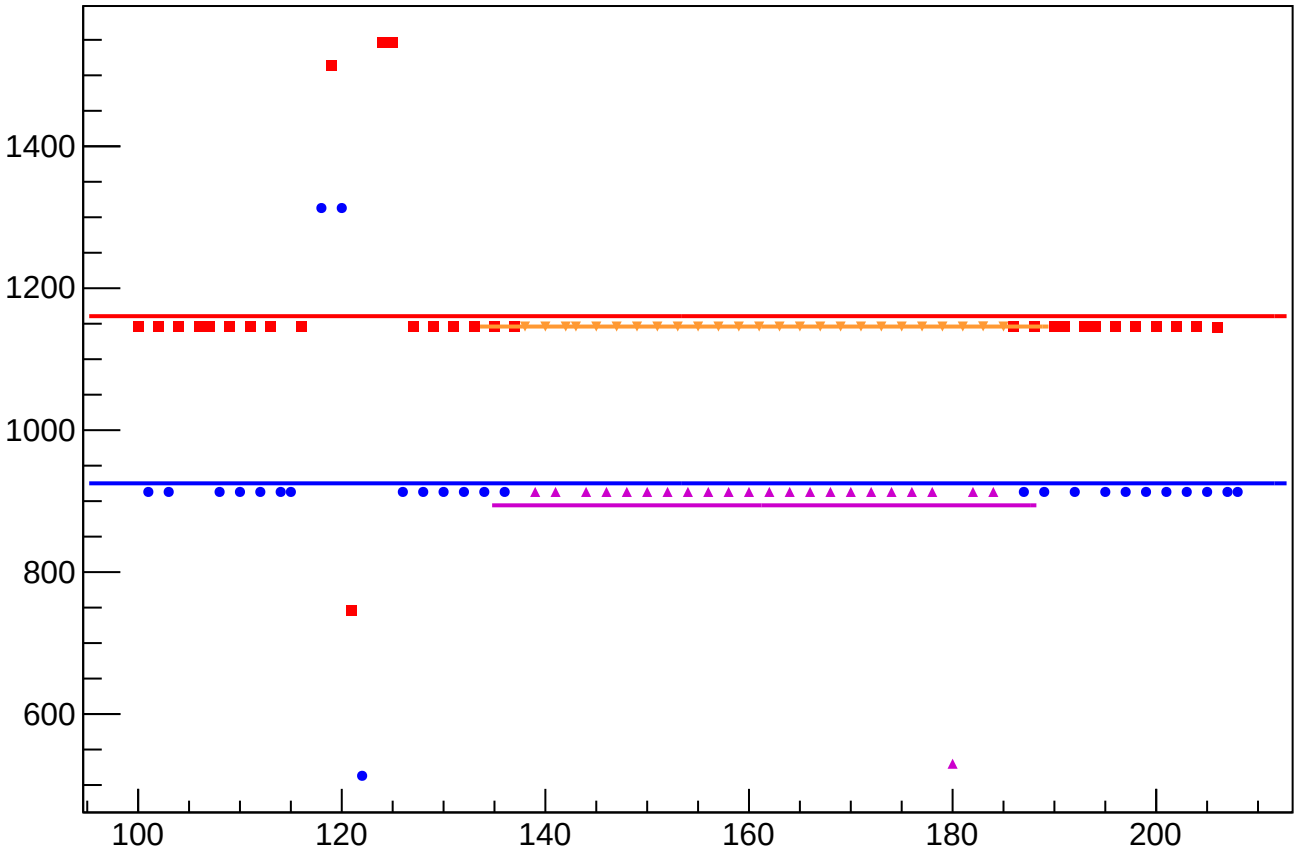
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.453+/-0.000 χ^2/NDF: 8829930472539138

All: 16.494+/-0.000 χ^2/NDF: 177724590143

- sign 16.535+/-0.000 χ^2/NDF: 8821564479653462

RTPAPOSUCNT_mean vs Slug



Right In: 925.094+/-0.000 χ^2/NDF: 213642510738490691885441011210224926 72.0/26

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974 72.0/24

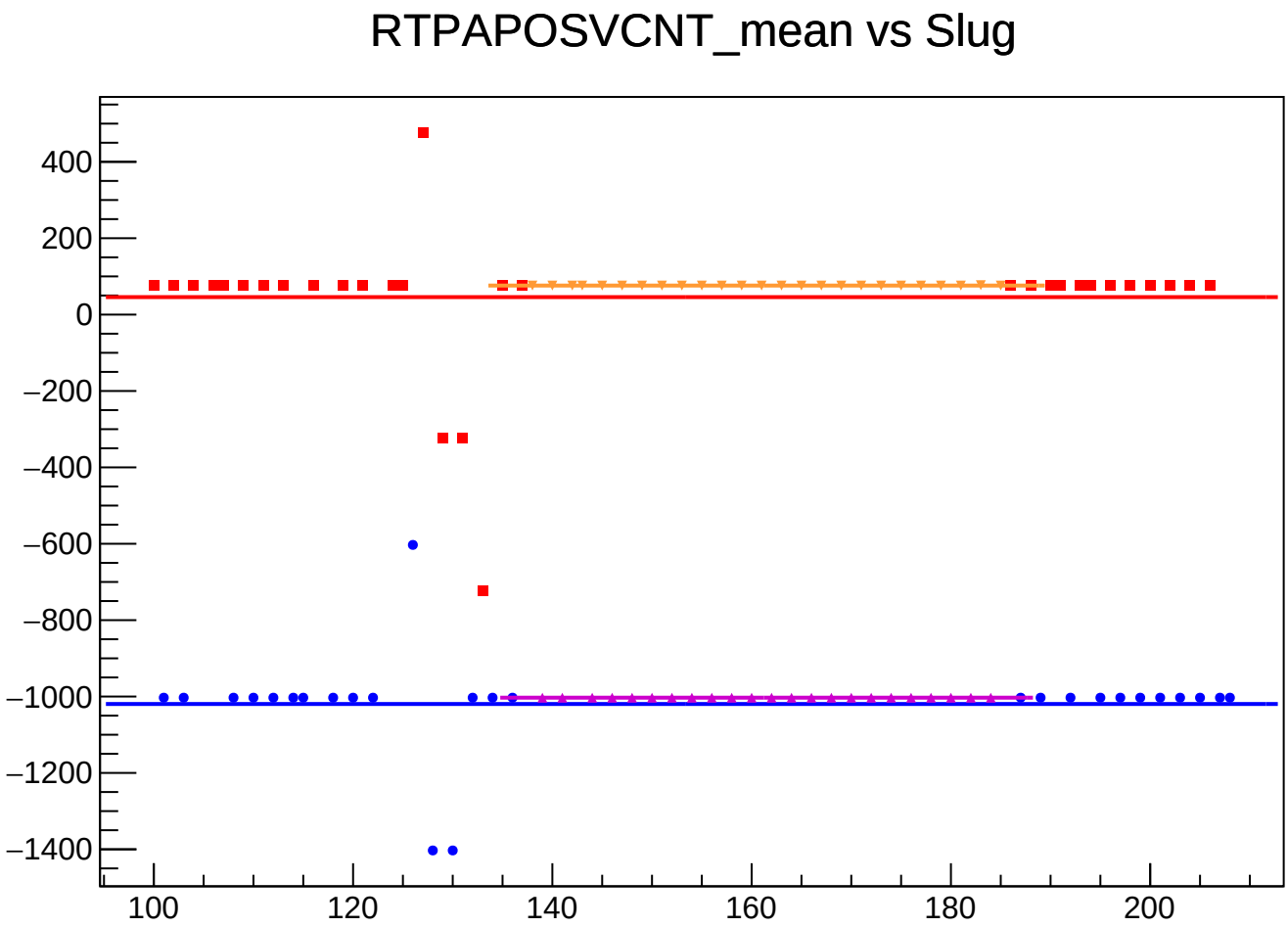
Right Out: 1160.638+/-0.000 χ^2/NDF: 22586765364382528451258555586278588416.0/30

Left In: 894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

+ sign 1047.642+/-0.000 χ^2/NDF: 6522428098069

All: 1033.446+/-0.000 χ^2/NDF: 1658682517

- sign 1019.053+/-0.000 χ^2/NDF: 99167557117308



Right In: -1019.532+/-0.000 χ^2/NDF: 233963171755992917820882387418208010 24.0/26

+ sign -411.811+/-0.000 χ^2/NDF: 11020092197851

Left Out: 76.053+/-0.000 χ^2/NDF:81371196294580866514571210260480.0/24

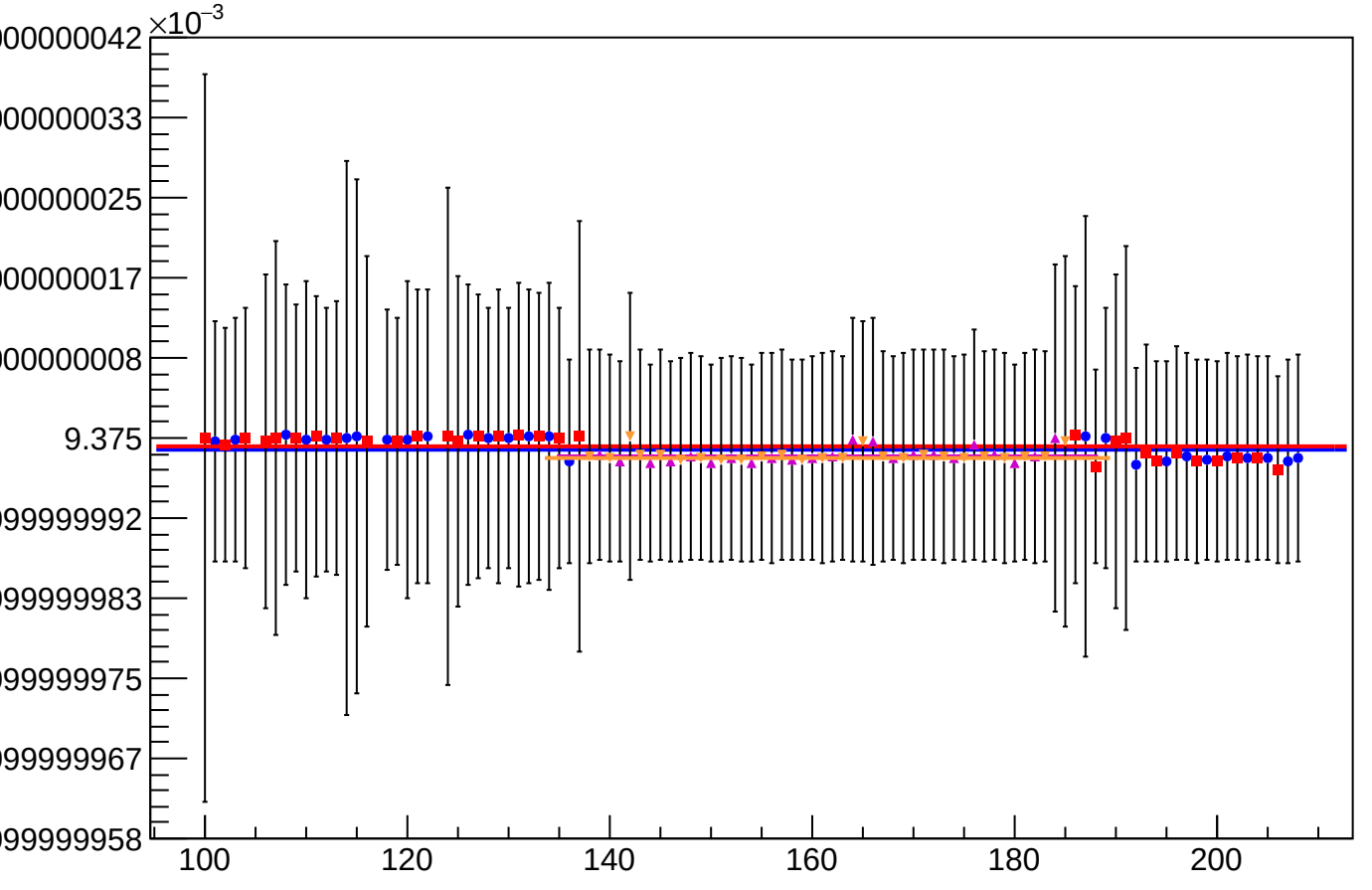
All: -461.226+/-0.000 χ^2/NDF: 2150639777

Right Out: 45.808+/-0.000 χ^2/NDF: 47905507479736857514071241240671682560.0/30

- sign -511.329+/-0.000 χ^2/NDF: 103074006885390

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: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/30

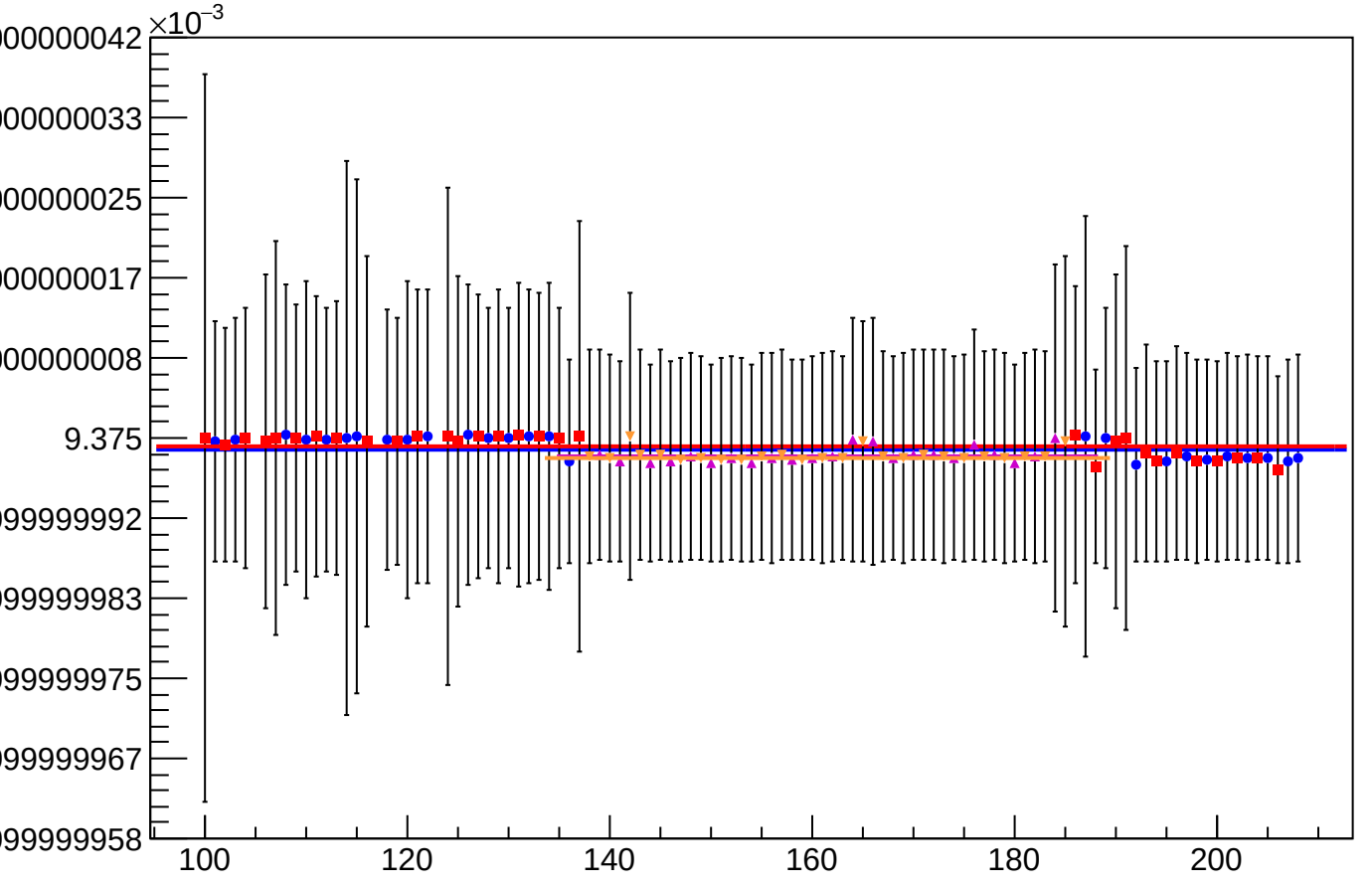
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/51

All: 0.009+/-0.000 χ^2/NDF: 1.0/105

- sign 0.009+/-0.000 χ^2/NDF: 0.4/53

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/30

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/51

All: 0.009+/-0.000 χ^2/NDF: 1.0/105

- sign 0.009+/-0.000 χ^2/NDF: 0.4/53