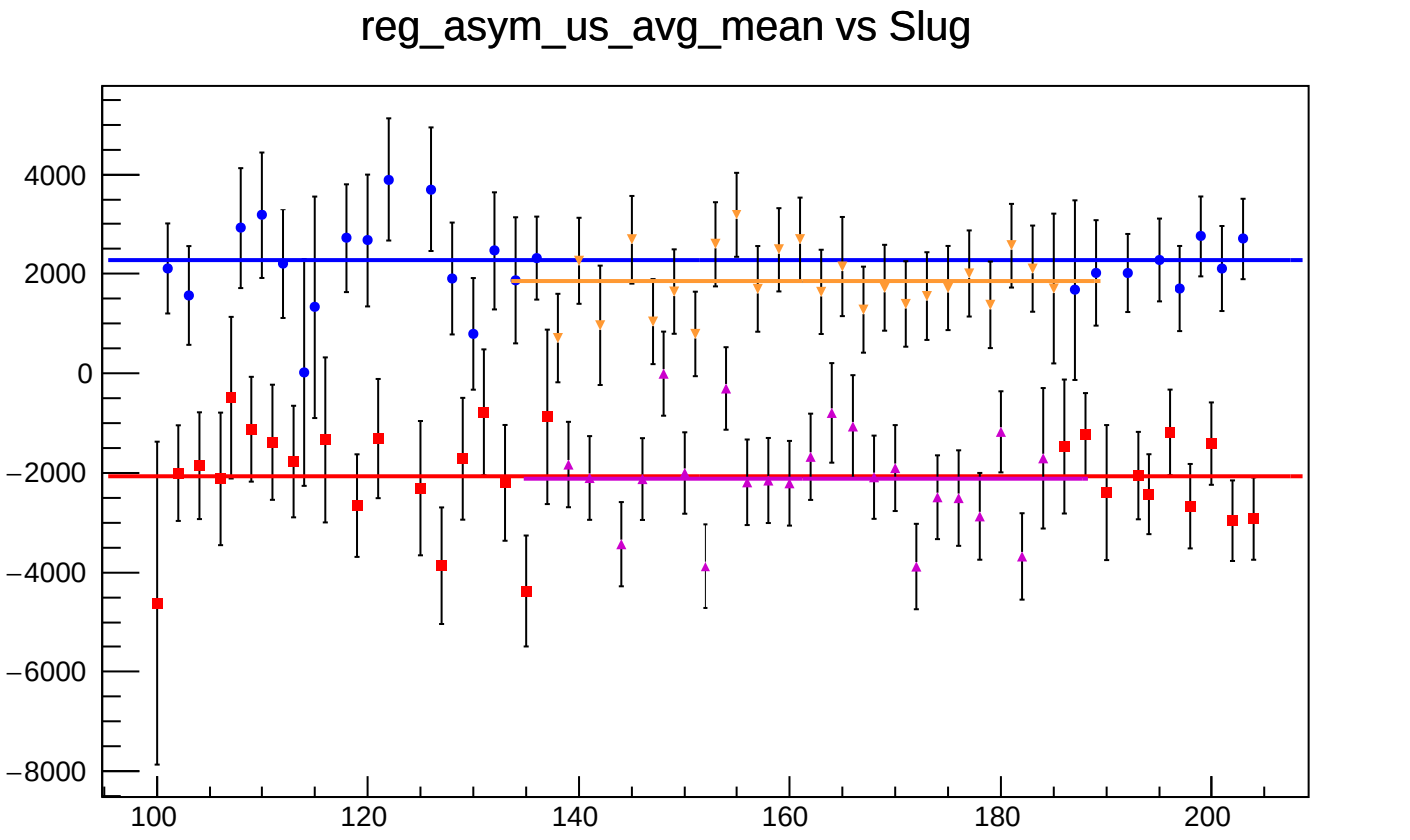


Right In: 2269.762+/-213.670 χ^2/NDF: 9.2/23

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

Right Out: -2065.726+/-201.943 χ^2/NDF: 17.9/27

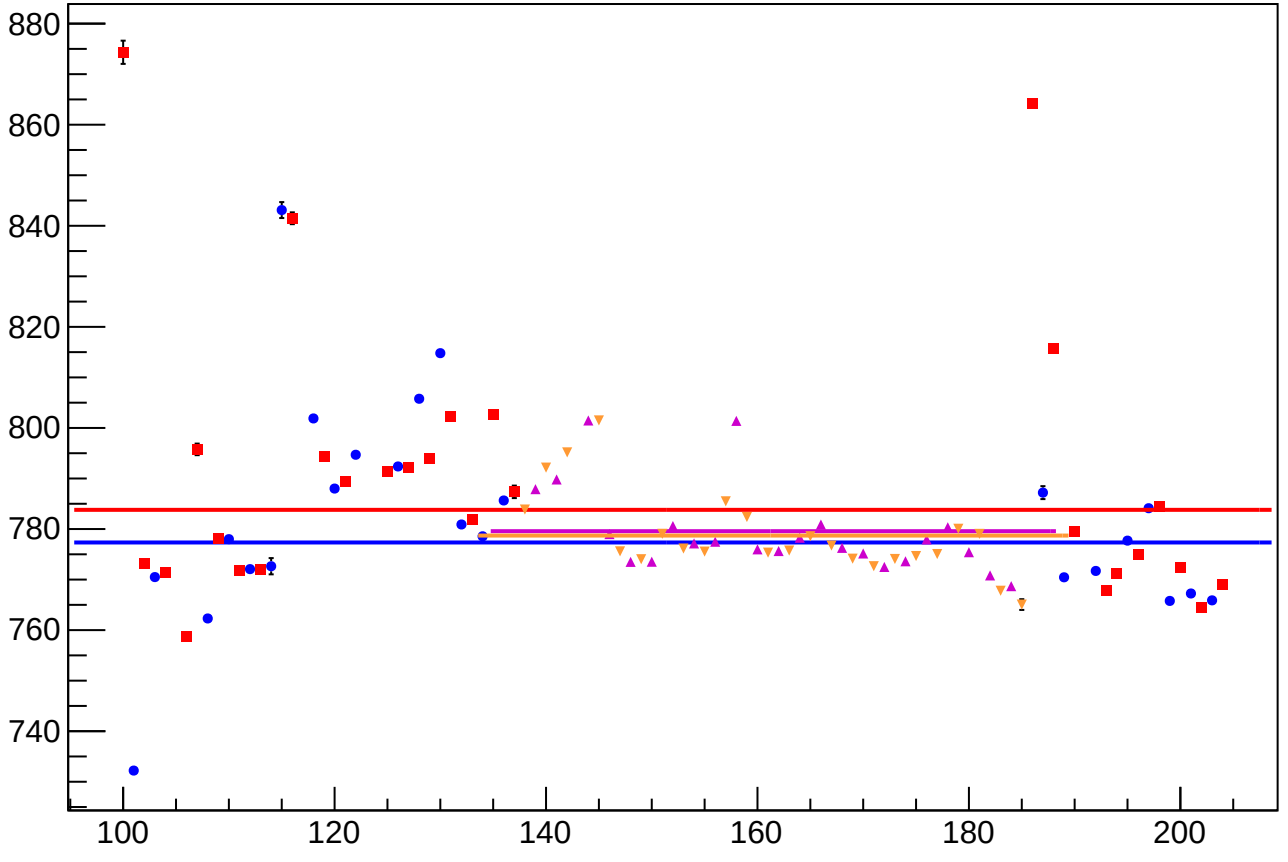
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2024.838+/-137.992 χ^2/NDF: 24.3/47

All: -75.853+/-96.576 χ^2/NDF: 527.5/98

- sign -2092.604+/-135.207 χ^2/NDF: 49.0/50

reg_asym_us_avg_rms vs Slug



Right In: 777.340+/-0.151 χ^2/NDF: 14214.4/23

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

Right Out: 783.797+/-0.143 χ^2/NDF: 21053.9/27

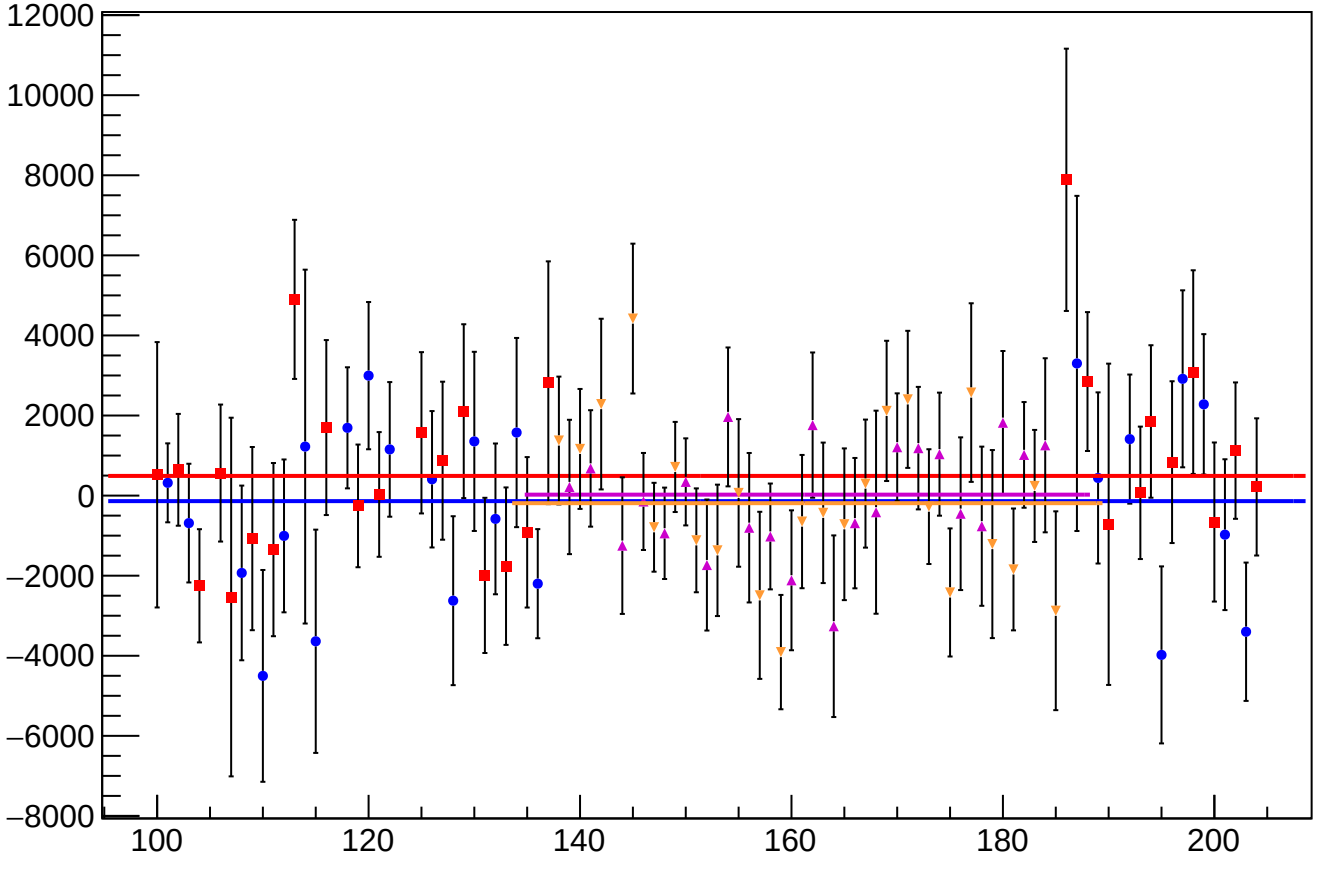
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 778.138+/-0.098 χ^2/NDF: 17651.9/47

All: 779.837+/-0.068 χ^2/NDF: 43955.5/98

- sign 781.468+/-0.096 χ^2/NDF: 25709.3/50

asym_us_avg_reg_correction_mean vs Slug



Right In: -137.968+/-373.718 χ^2/NDF: 27.7/23

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

Right Out: 491.674+/-370.063 χ^2/NDF: 25.2/27

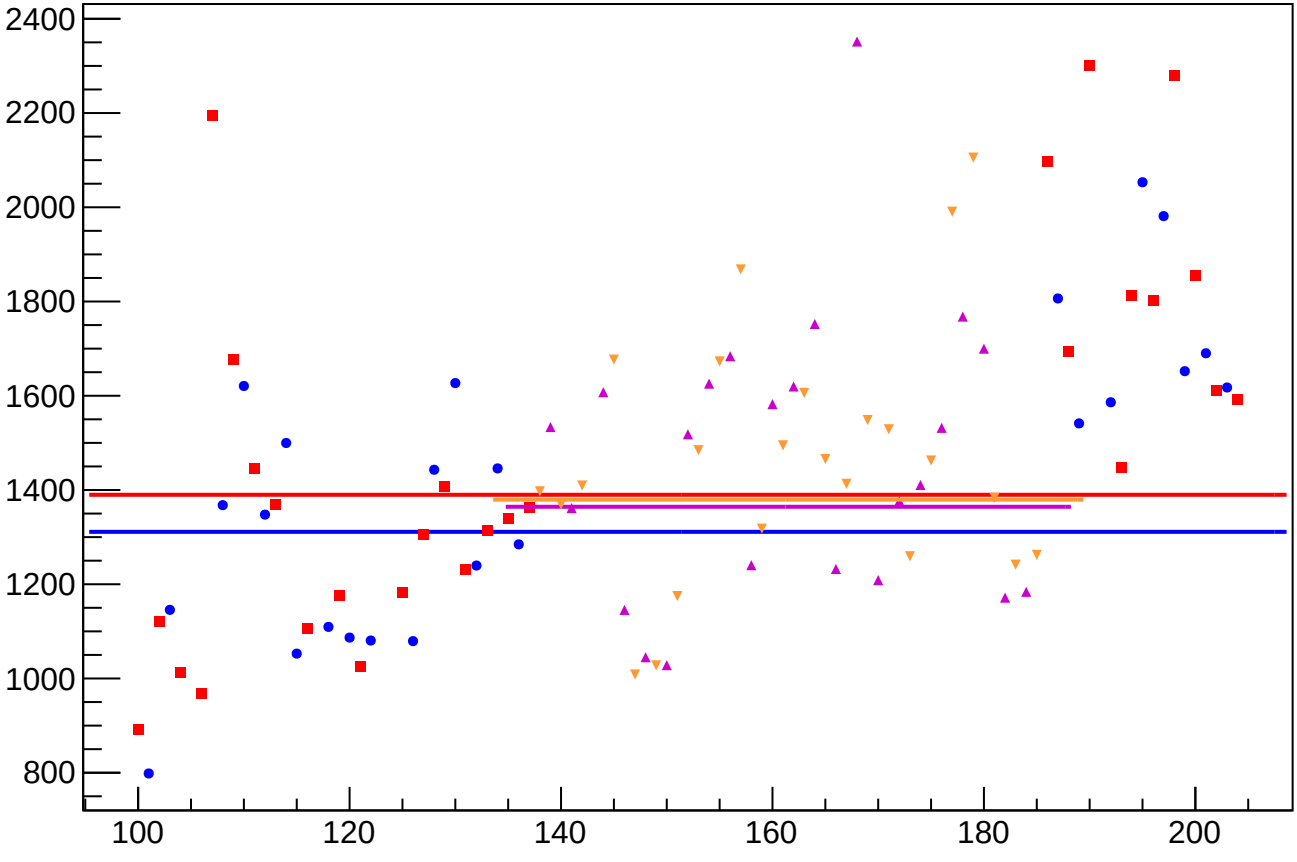
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -166.823+/-246.381 χ^2/NDF: 57.3/47

All: 32.108+/-173.563 χ^2/NDF: 98.1/98

- sign 228.075+/-244.539 χ^2/NDF: 39.5/50

asym_us_avg_reg_correction_rms vs Slug



Right In: 1311.202+/-0.264 χ^2/NDF: 1552150.4/23

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

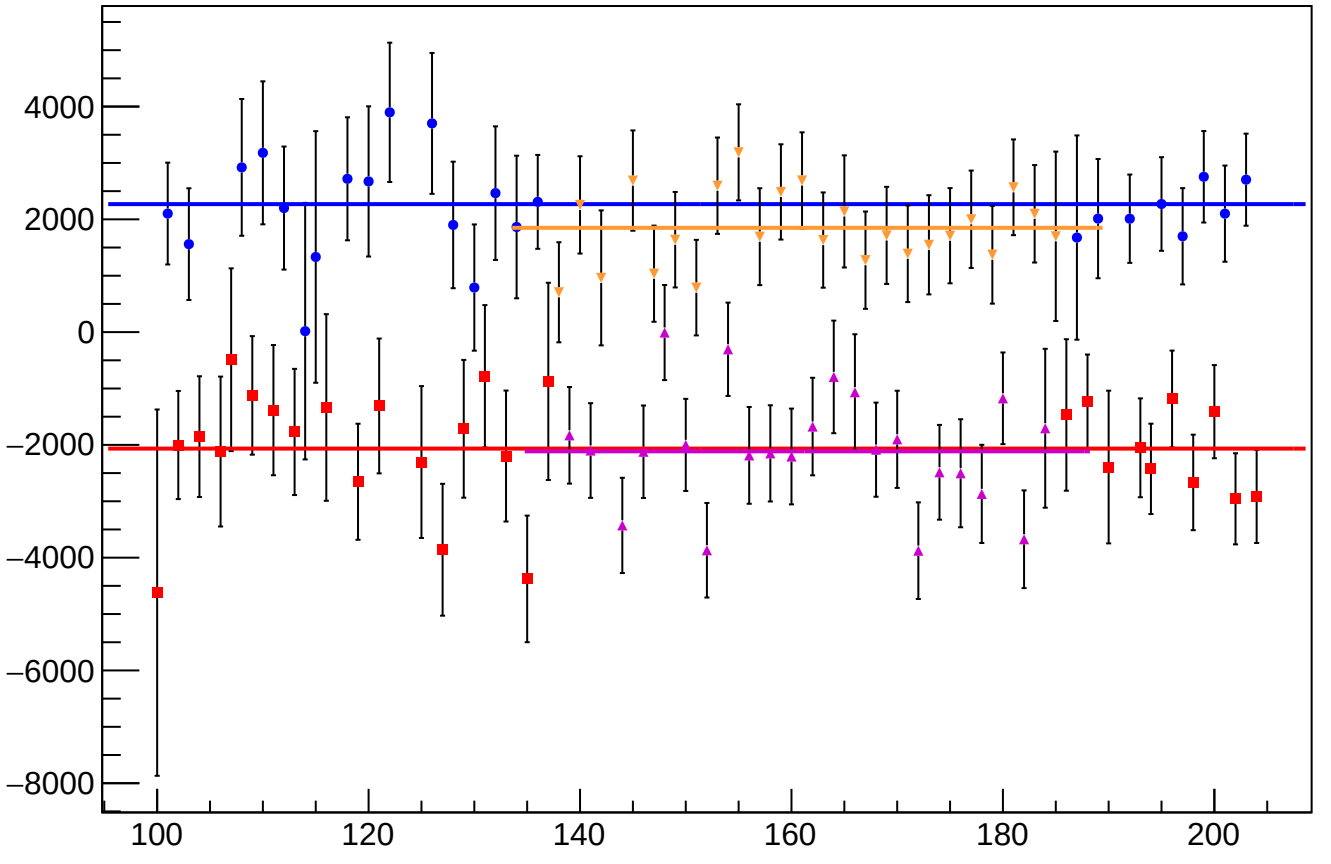
Right Out: 1389.850+/-0.262 χ^2/NDF: 1565208.4/27

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

+ sign 1349.836+/-0.174 χ^2/NDF: 2748423.5/47

All: 1362.774+/-0.123 χ^2/NDF: 5642204.1/98

- sign 1375.520+/-0.173 χ^2/NDF: 2882831.8/50



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

Right Out: -2065.726+/-201.943 χ^2/NDF: 17.9/27

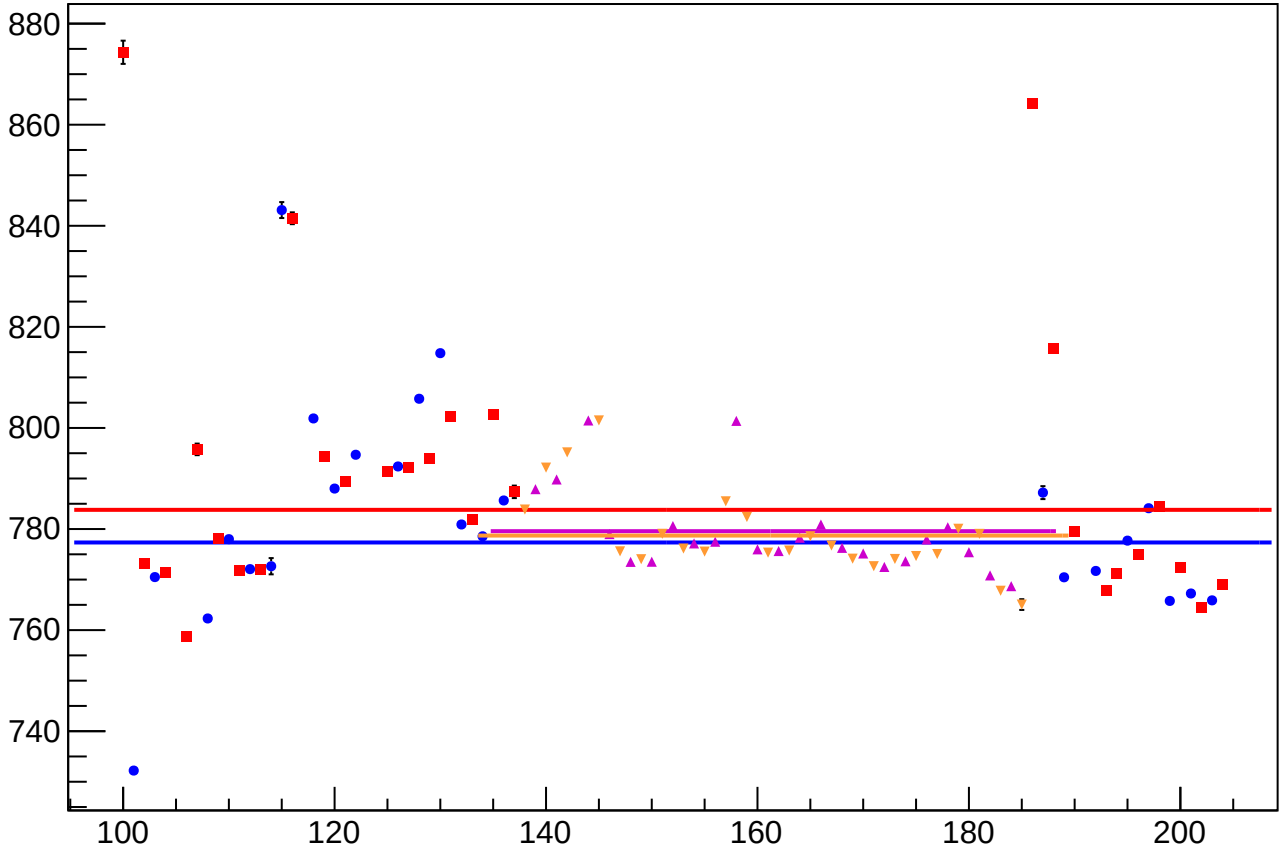
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2024.838+/-137.992 χ^2/NDF: 24.3/47

All: -75.853+/-96.576 χ^2/NDF: 527.5/98

- sign -2092.604+/-135.207 χ^2/NDF: 49.0/50

cor_asym_us_avg_rms vs Slug



Right In: 777.340+/-0.151 χ^2/NDF: 14214.4/23

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

Right Out: 783.797+/-0.143 χ^2/NDF: 21053.9/27

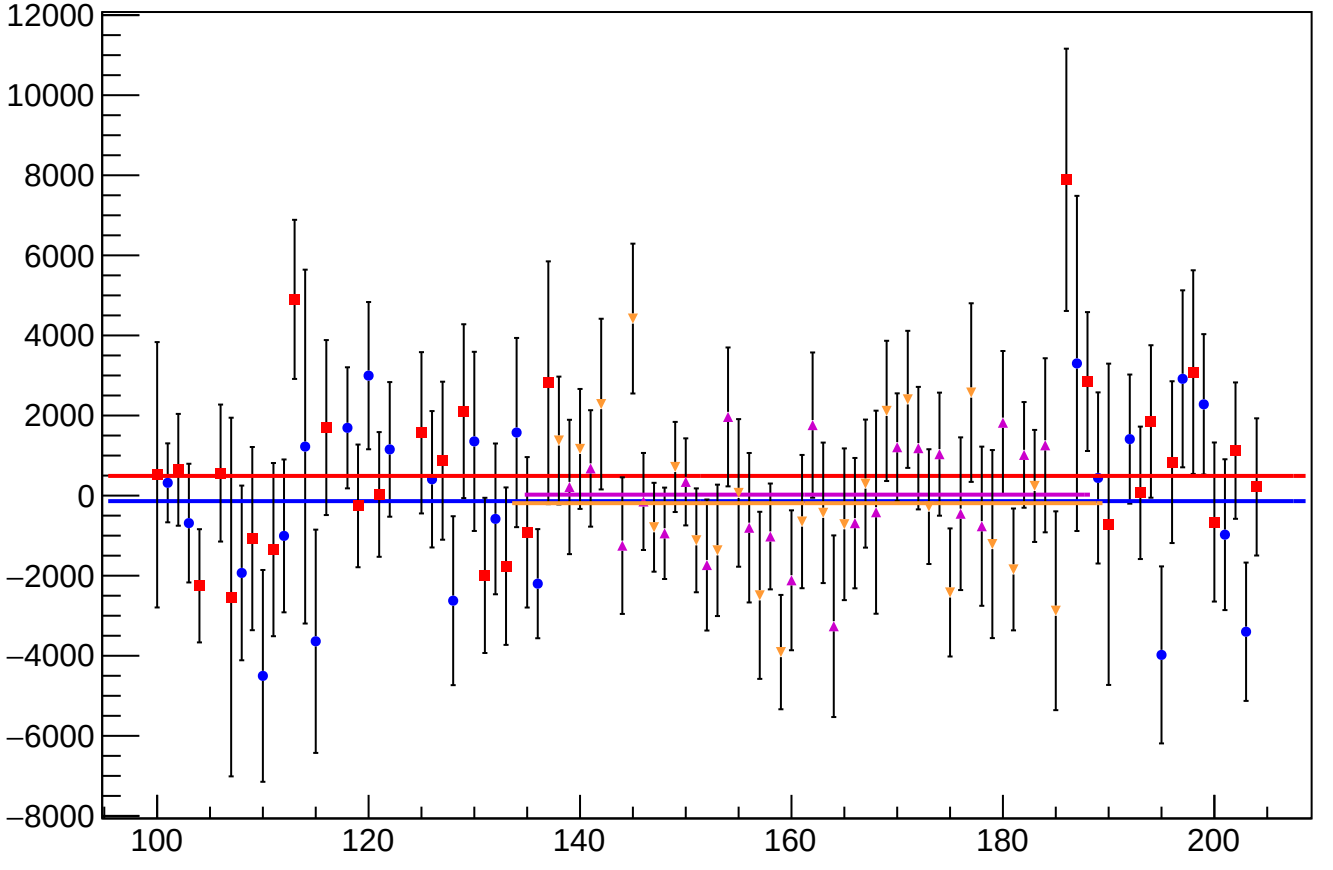
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 778.138+/-0.098 χ^2/NDF: 17651.9/47

All: 779.837+/-0.068 χ^2/NDF: 43955.5/98

- sign 781.468+/-0.096 χ^2/NDF: 25709.3/50

asym_us_avg_cor_correction_mean vs Slug



Right In: -137.968+/-373.718 χ^2/NDF: 27.7/23

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

Right Out: 491.674+/-370.063 χ^2/NDF: 25.2/27

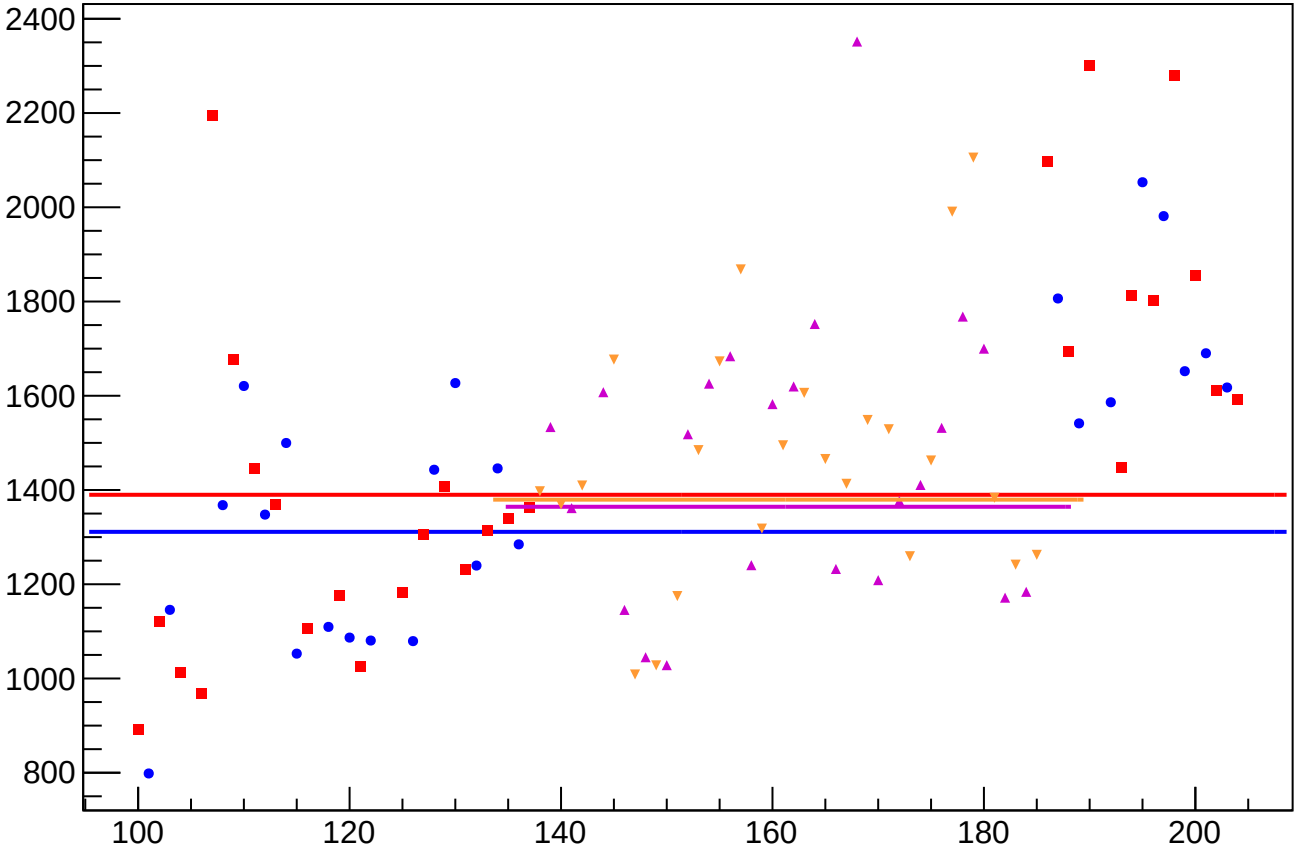
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -166.823+/-246.381 χ^2/NDF: 57.3/47

All: 32.108+/-173.563 χ^2/NDF: 98.1/98

- sign 228.075+/-244.539 χ^2/NDF: 39.5/50

asym_us_avg_cor_correction_rms vs Slug



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

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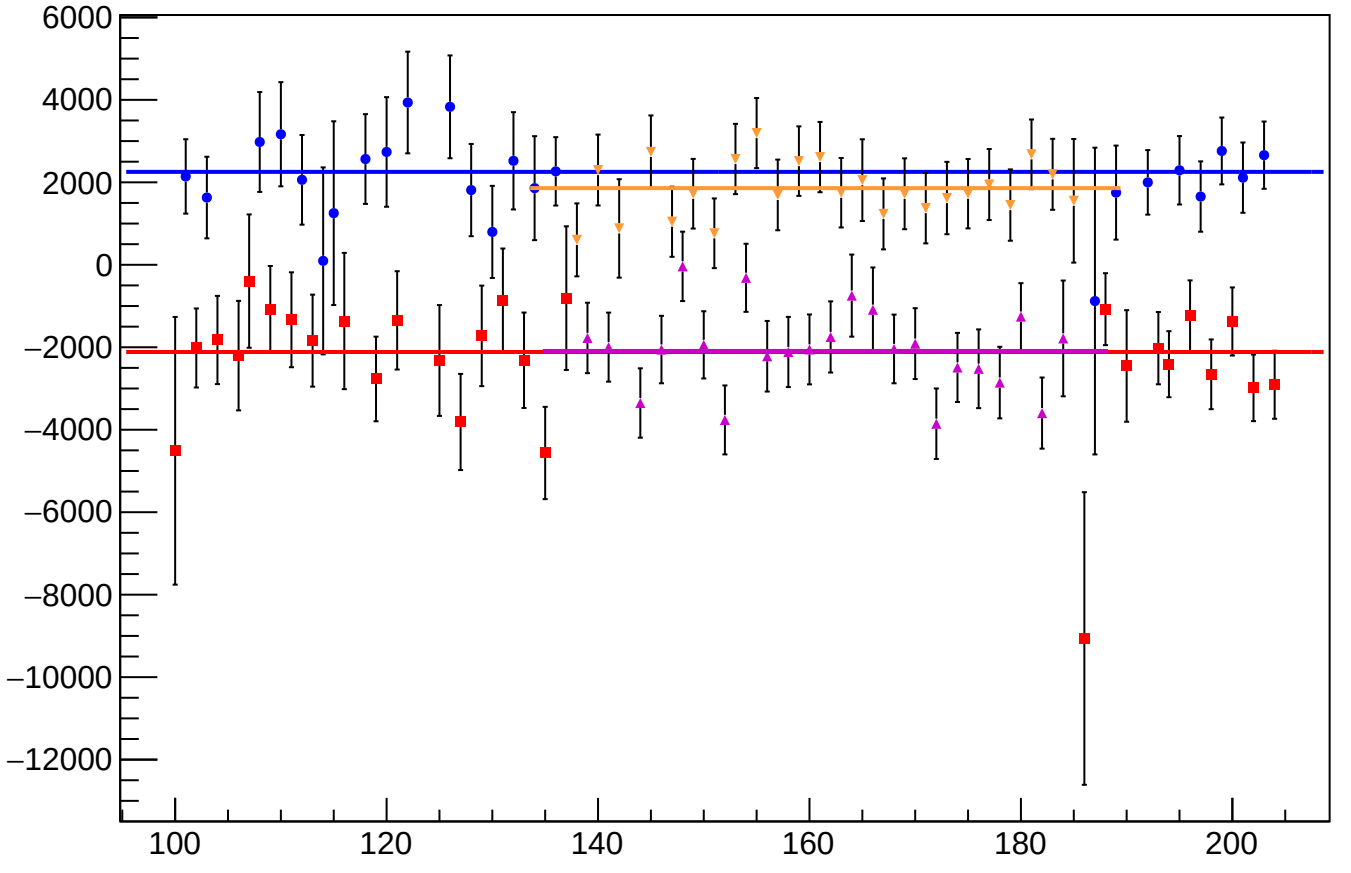
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1349.836+/-0.174 χ^2/NDF: 2748423.5/47

All: 1362.774+/-0.123 χ^2/NDF: 5642204.1/98

- sign 1375.520+/-0.173 χ^2/NDF: 2882831.8/50

overload_cor_asym_us_avg_mean vs Slug



Right In: 2253.729+/-215.066 χ^2/NDF: 10.3/23

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

Right Out: -2114.607+/-204.198 χ^2/NDF: 22.7/27

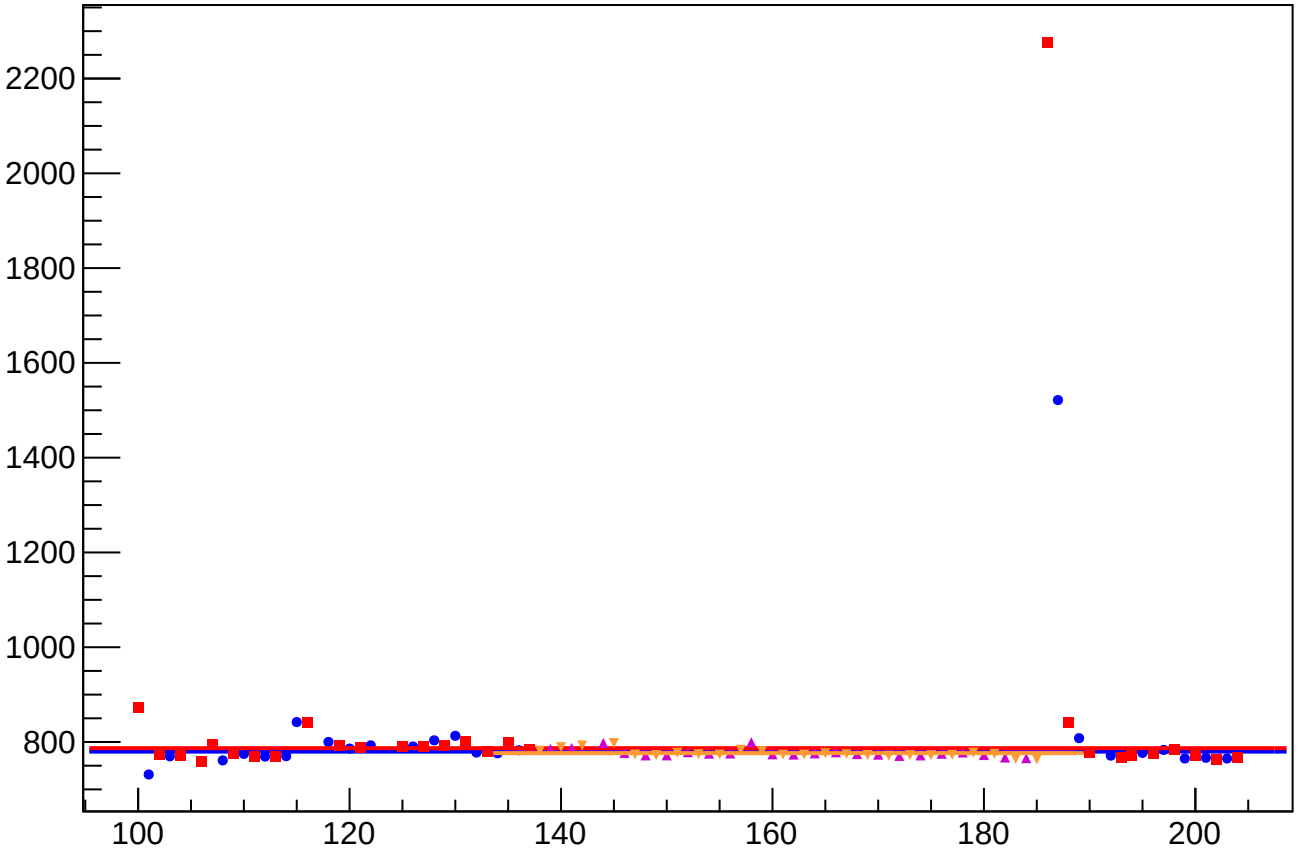
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 2022.158+/-138.138 χ^2/NDF: 25.8/47

All: -76.404+/-96.793 χ^2/NDF: 531.5/98

- sign -2100.579+/-135.667 χ^2/NDF: 52.3/50

overload_cor_asym_us_avg_rms vs Slug



Right In: 779.743+/-0.152 χ^2/NDF: 94882.5/23

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

Right Out: 786.973+/-0.144 χ^2/NDF: 372869.6/27

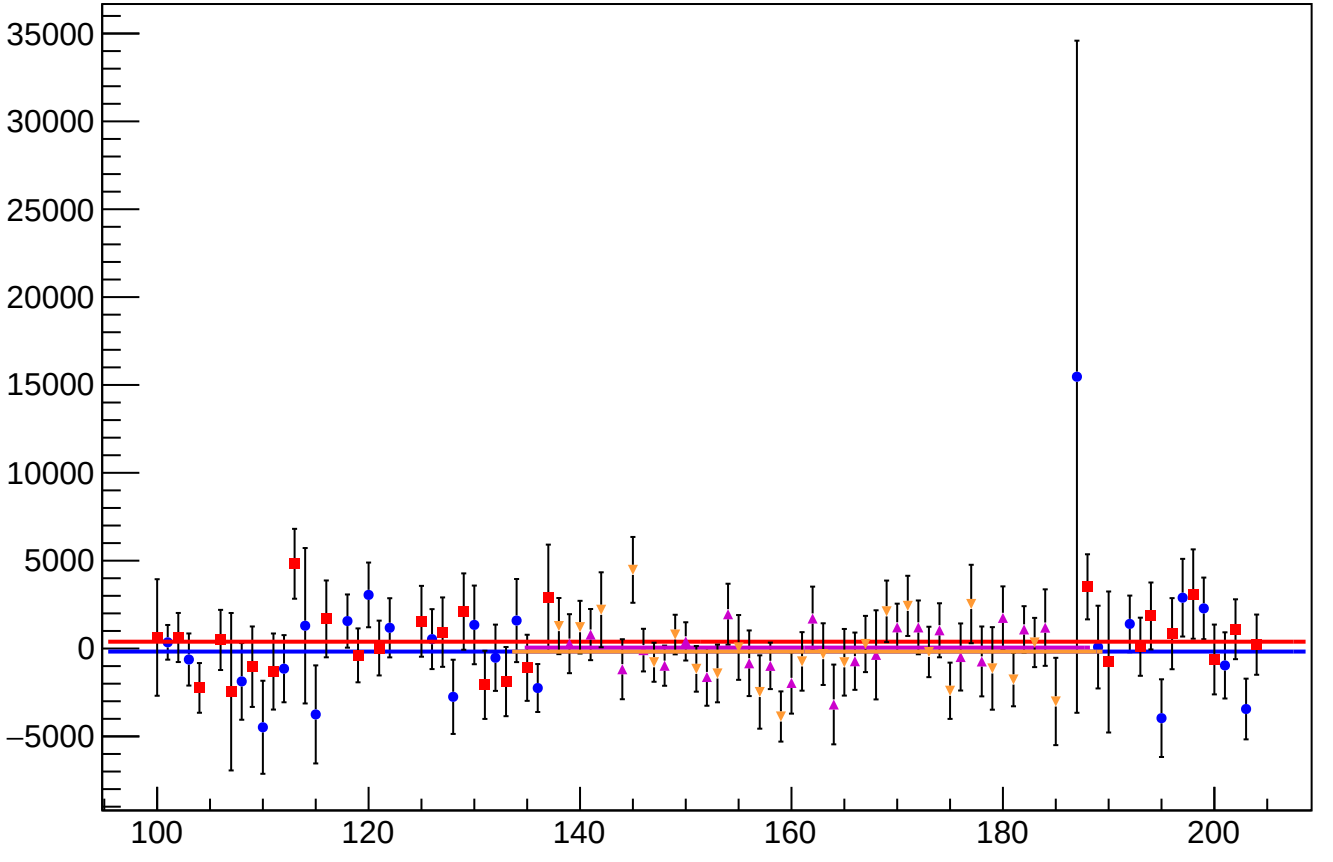
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

+ sign 777.851+/-0.098 χ^2/NDF: 98283.0/47

All: 779.776+/-0.068 χ^2/NDF: 478426.5/98

- sign 781.633+/-0.096 χ^2/NDF: 379380.6/50

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: -172.800+/-376.458 χ^2/NDF: 27.9/23

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

Right Out: 389.198+/-373.769 χ^2/NDF: 21.0/26

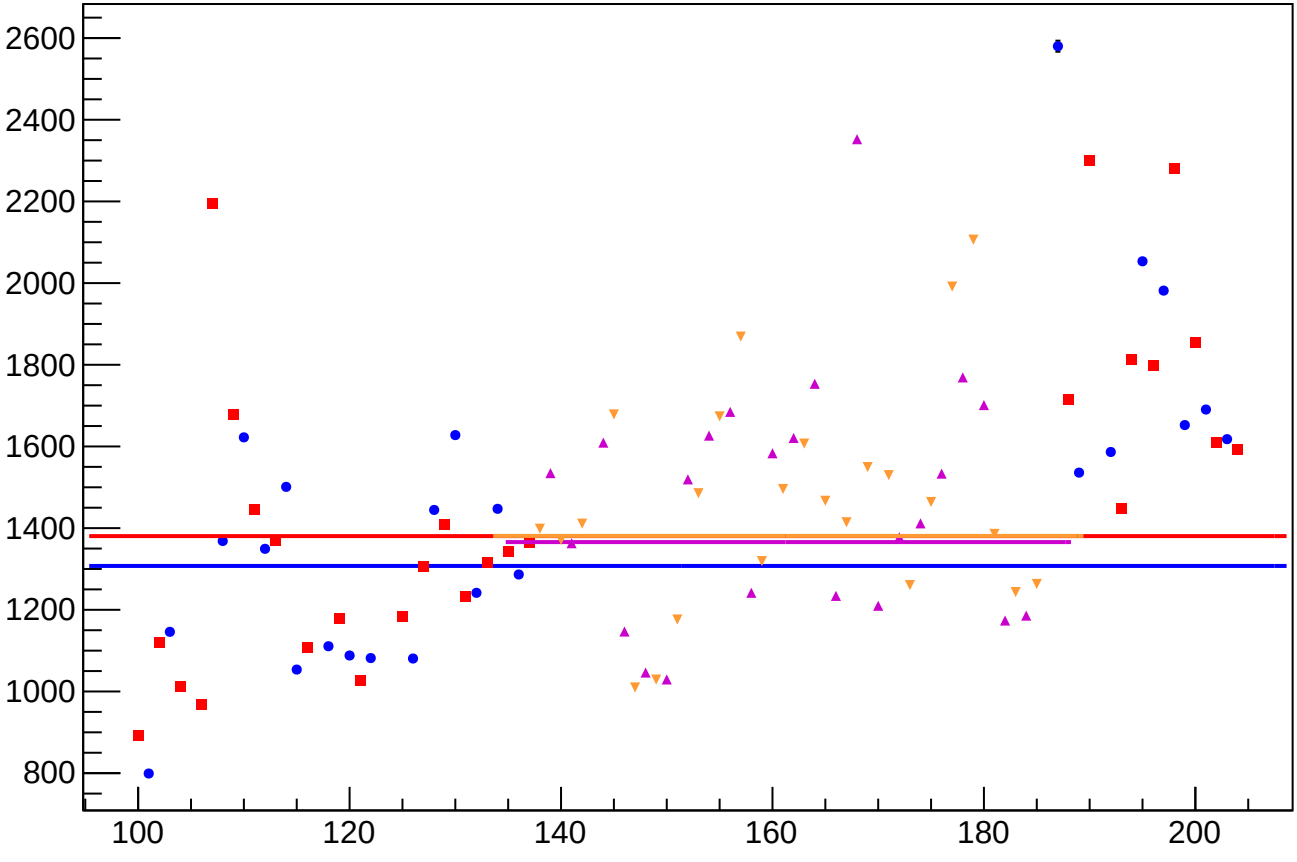
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

+ sign -174.012+/-247.297 χ^2/NDF: 57.5/47

All: 13.282+/-174.310 χ^2/NDF: 93.1/97

- sign 198.216+/-245.734 χ^2/NDF: 34.4/49

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1307.417+/-0.266 χ^2/NDF: 1524152.5/23

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

Right Out: 1380.468+/-0.264 χ^2/NDF: 1464323.2/26

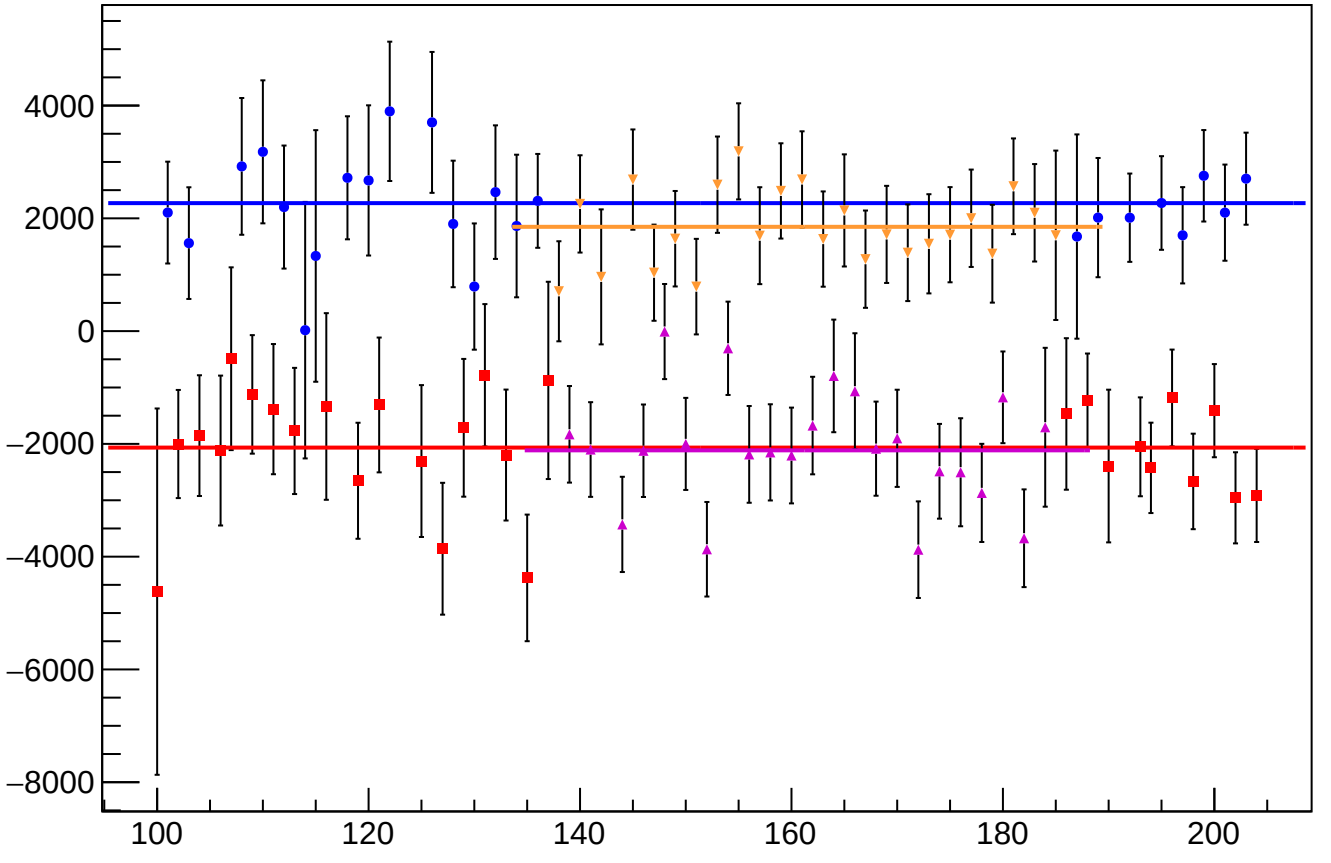
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

+ sign 1349.220+/-0.175 χ^2/NDF: 2722971.0/47

All: 1360.756+/-0.123 χ^2/NDF: 5506551.8/97

- sign 1372.146+/-0.174 χ^2/NDF: 2774931.7/49

eigen_cor_asym_us_avg_mean vs Slug



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

Right Out: -2065.726+/-201.943 χ^2/NDF: 17.9/27

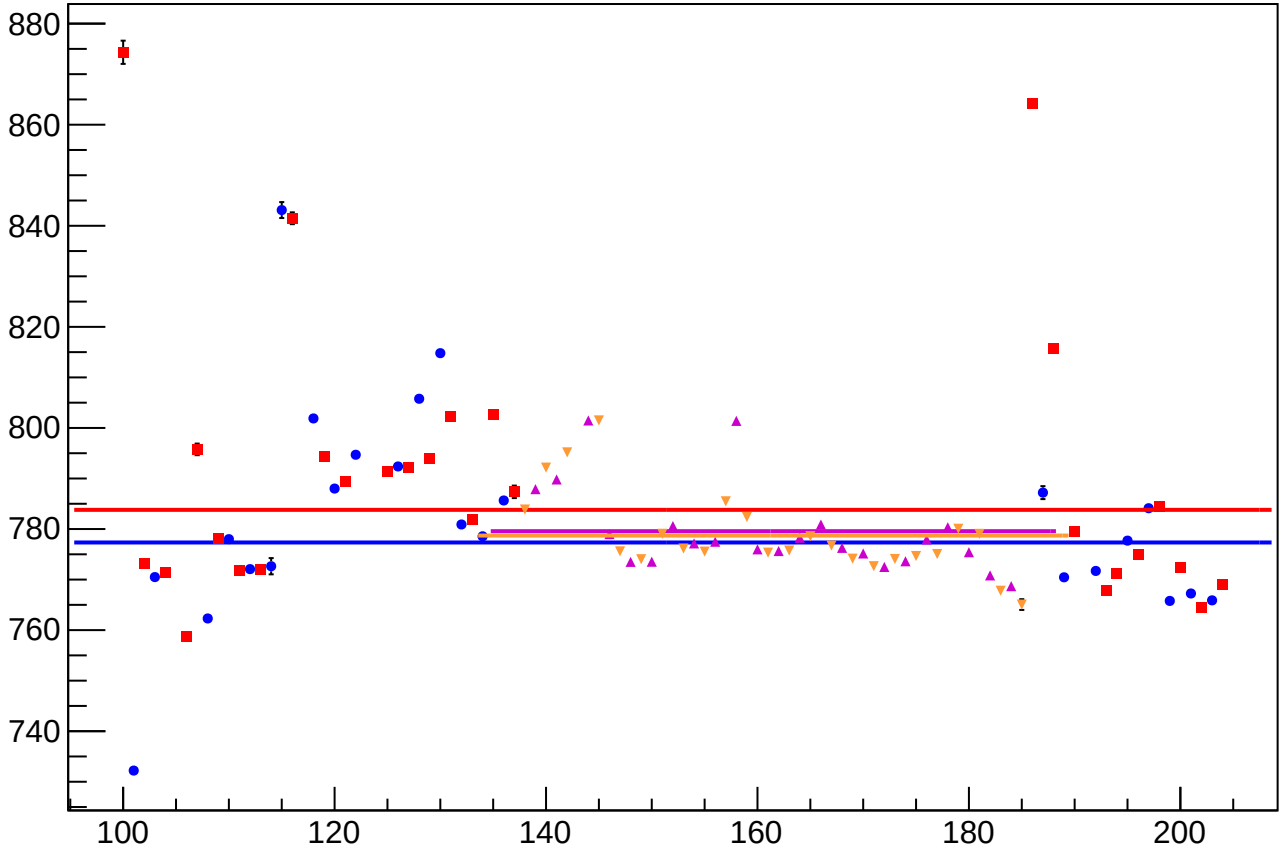
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2024.838+/-137.992 χ^2/NDF: 24.3/47

All: -75.853+/-96.576 χ^2/NDF: 527.5/98

- sign -2092.604+/-135.207 χ^2/NDF: 49.0/50

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: 783.797+/-0.143 χ^2/NDF: 21053.9/27

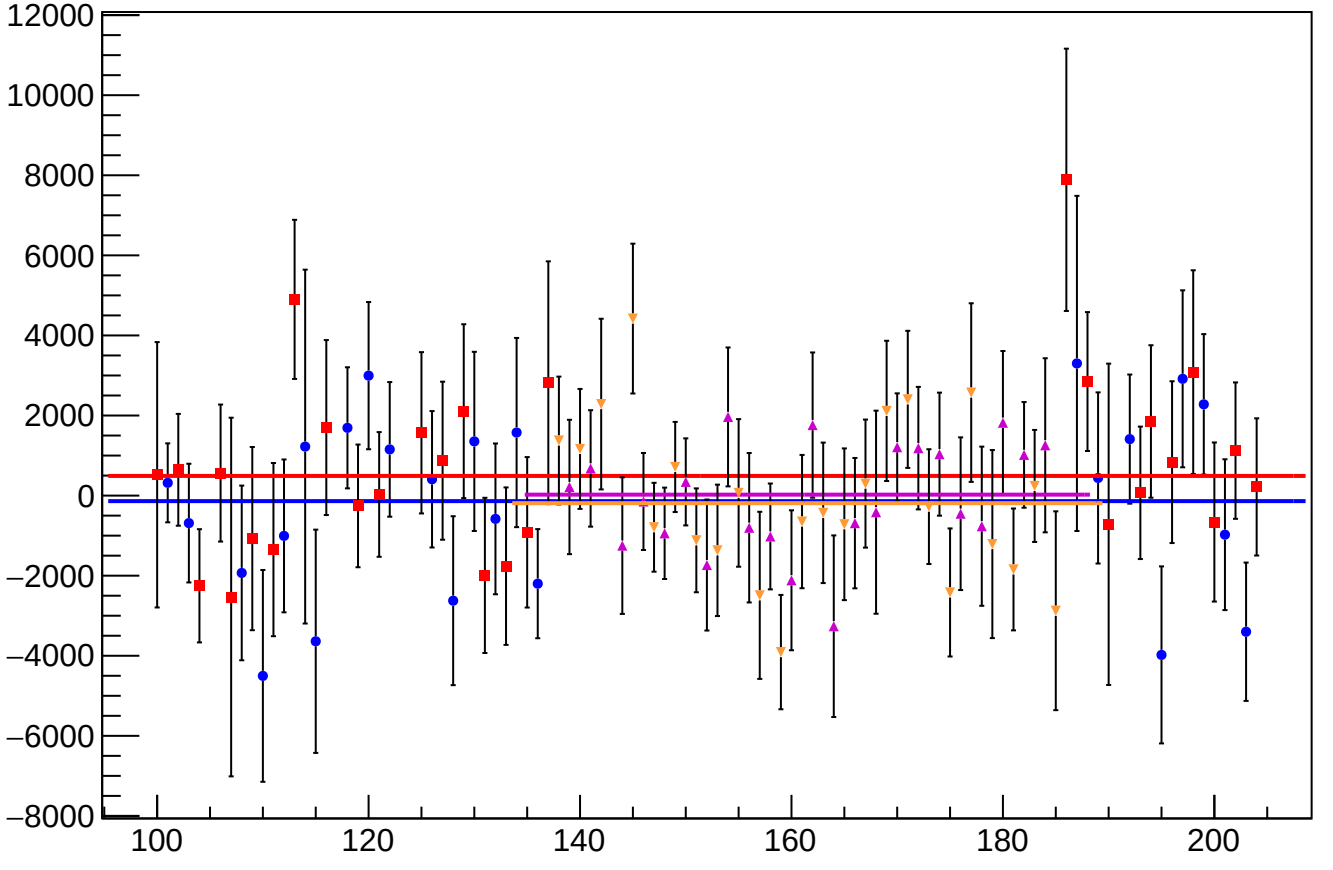
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 778.138+/-0.098 χ^2/NDF: 17651.9/47

All: 779.837+/-0.068 χ^2/NDF: 43955.5/98

- sign 781.468+/-0.096 χ^2/NDF: 25709.3/50

asym_us_avg_eigen_cor_correction_mean vs Slug



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

Right Out: 491.674+/-370.063 χ^2/NDF: 25.2/27

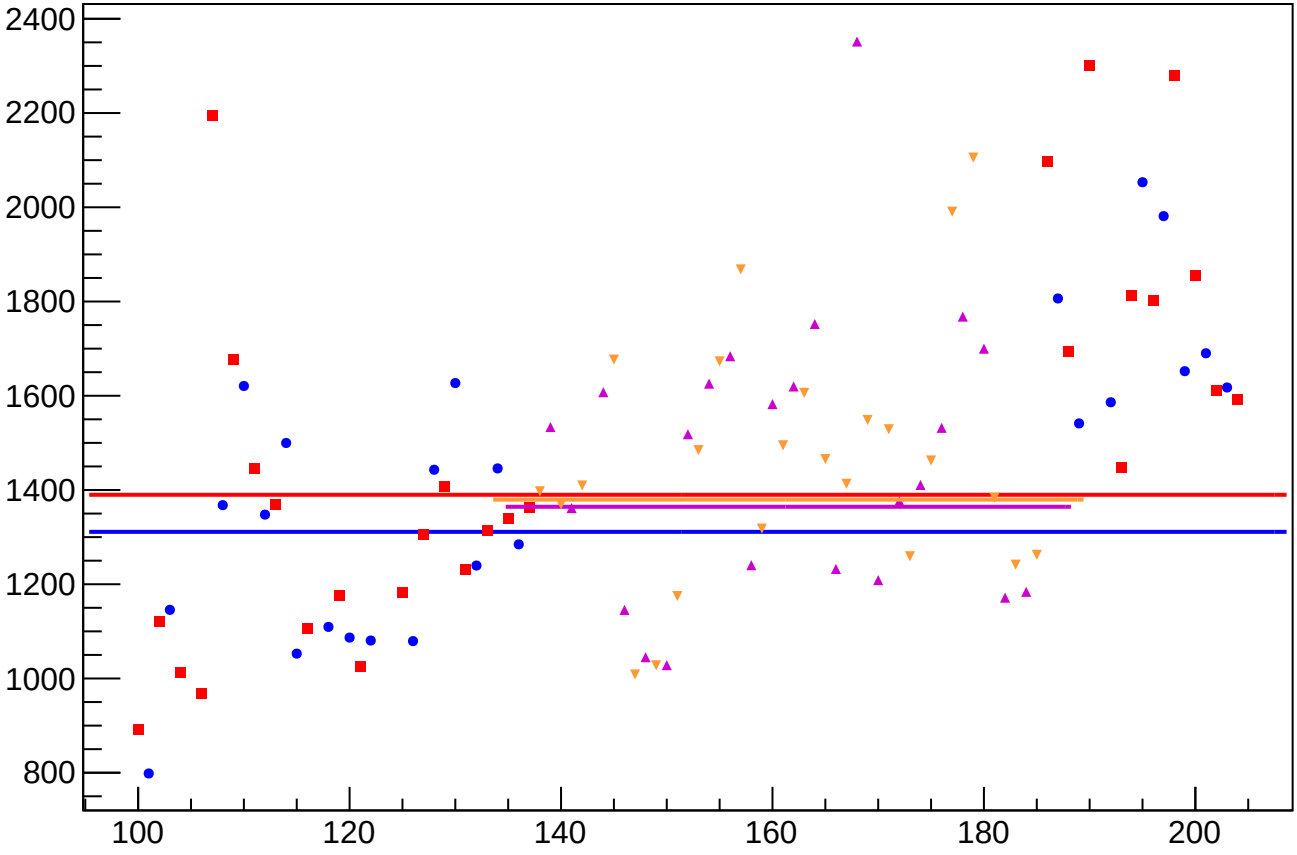
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -166.823+/-246.381 χ^2/NDF: 57.3/47

All: 32.108+/-173.563 χ^2/NDF: 98.1/98

- sign 228.075+/-244.539 χ^2/NDF: 39.5/50

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: 1389.850+/-0.262 χ^2/NDF: 1565208.4/27

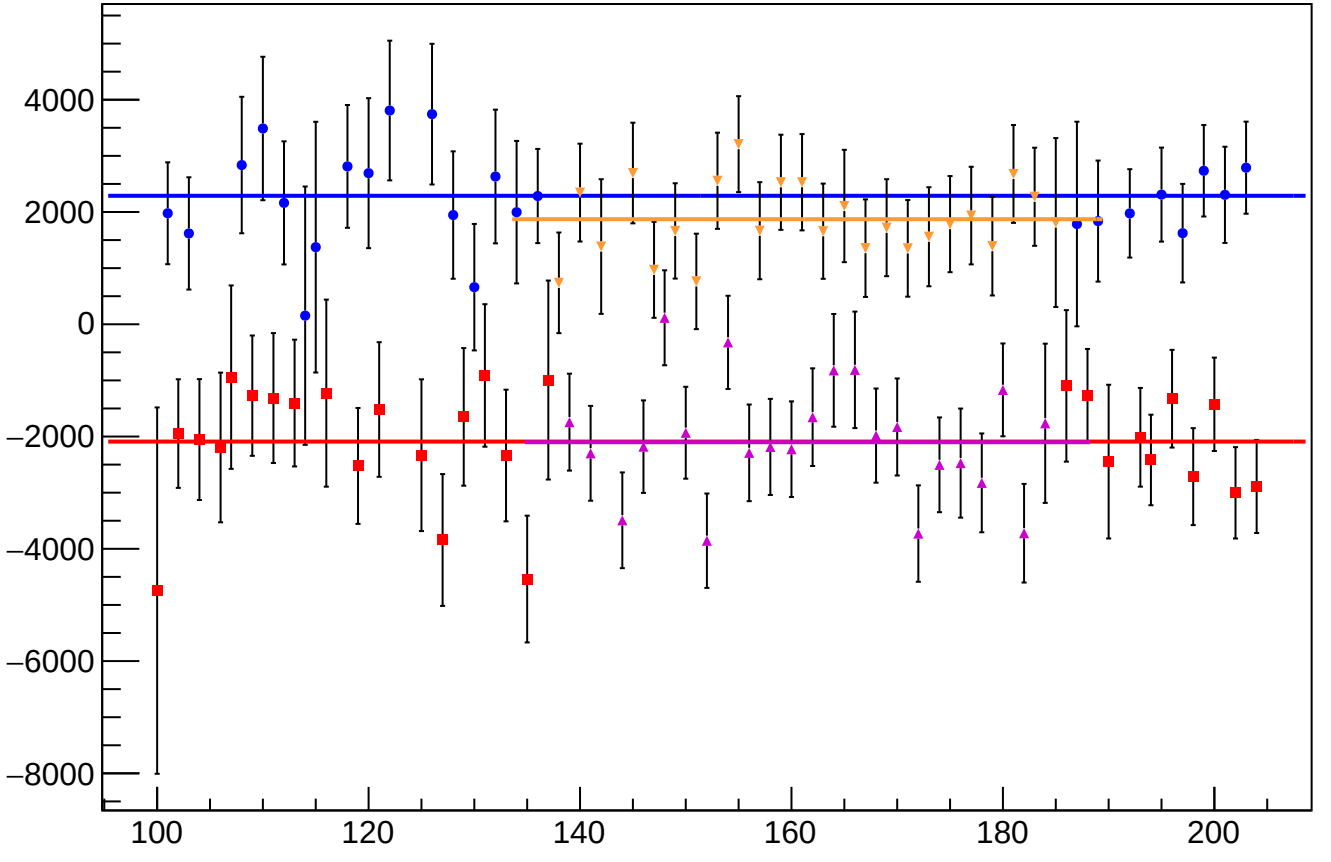
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1349.836+/-0.174 χ^2/NDF: 2748423.5/47

All: 1362.774+/-0.123 χ^2/NDF: 5642204.1/98

- sign 1375.520+/-0.173 χ^2/NDF: 2882831.8/50

dit_asym_us_avg_mean vs Slug



Right In: 2288.874+/-215.325 χ^2/NDF: 9.8/23

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

Right Out: -2089.486+/-203.445 χ^2/NDF: 17.5/27

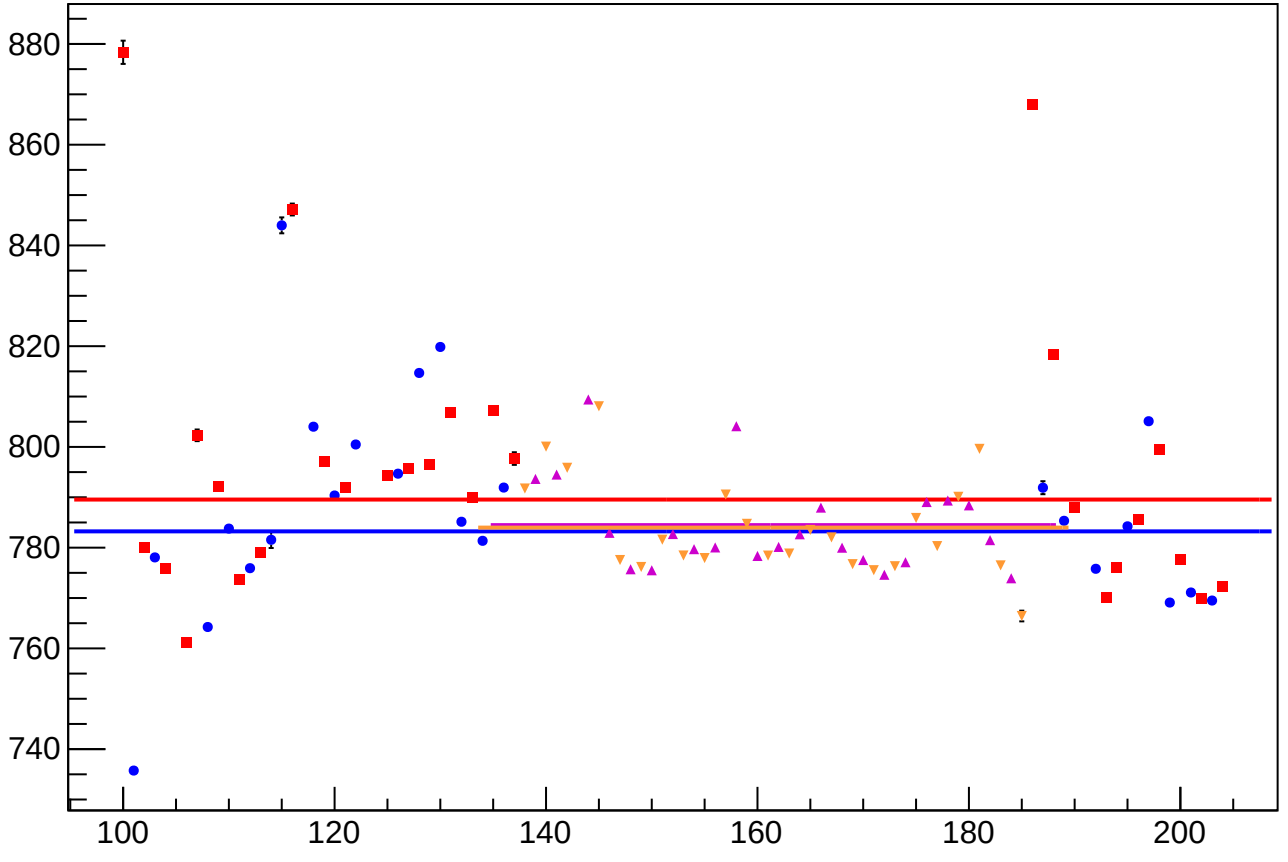
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2045.374+/-138.989 χ^2/NDF: 24.5/47

All: -68.281+/-97.253 χ^2/NDF: 526.9/98

- sign -2095.871+/-136.130 χ^2/NDF: 49.2/50

dit_asym_us_avg_rms vs Slug



Right In: 783.235+/-0.152 χ^2/NDF: 15831.0/23

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

Right Out: 789.550+/-0.144 χ^2/NDF: 20564.3/27

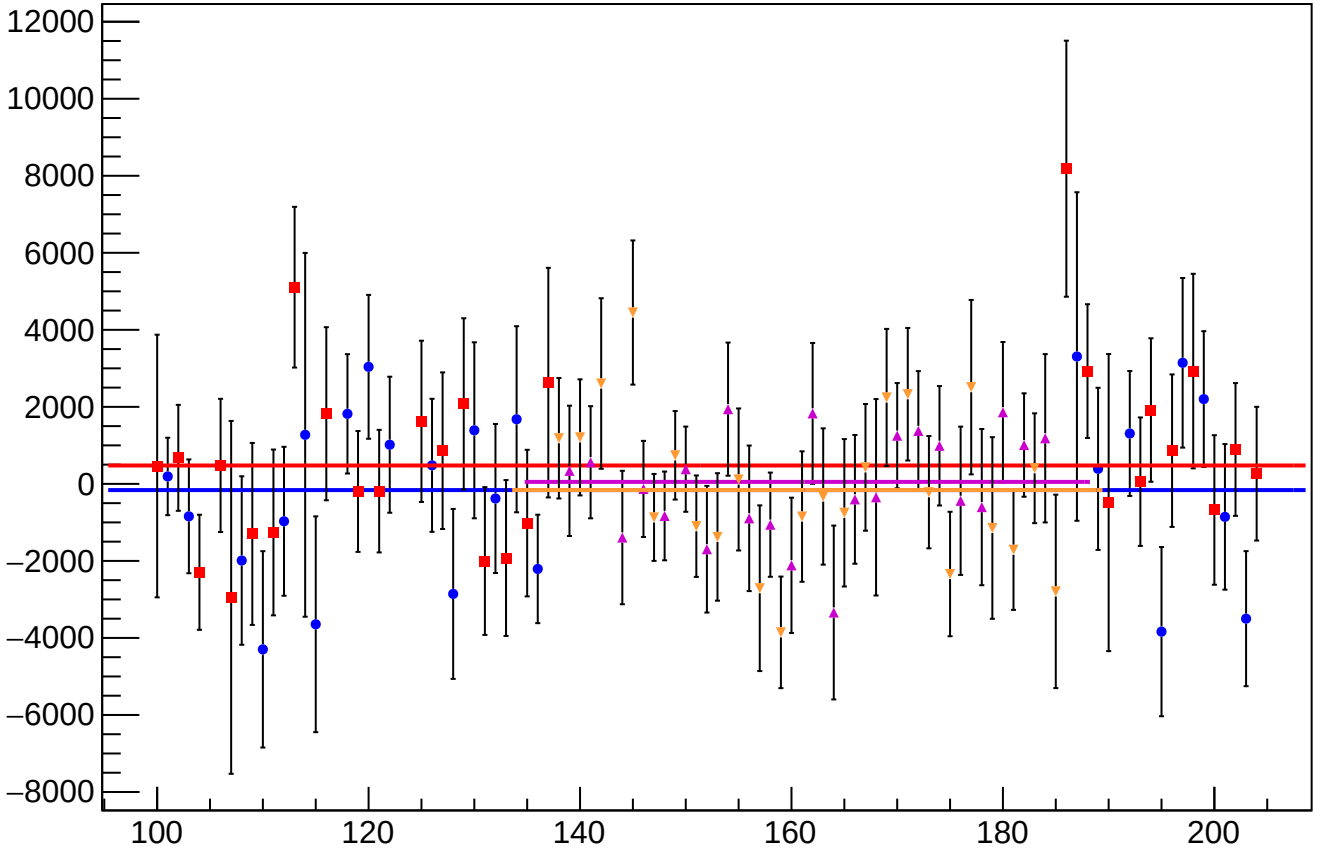
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 783.671+/-0.098 χ^2/NDF: 20773.1/47

All: 785.240+/-0.069 χ^2/NDF: 47452.8/98

- sign 786.746+/-0.096 χ^2/NDF: 26180.0/50

asym_us_avg_dit_correction_mean vs Slug



Right In: -160.993+/-379.318 χ^2/NDF: 27.5/23

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

Right Out: 477.700+/-374.557 χ^2/NDF: 25.5/27

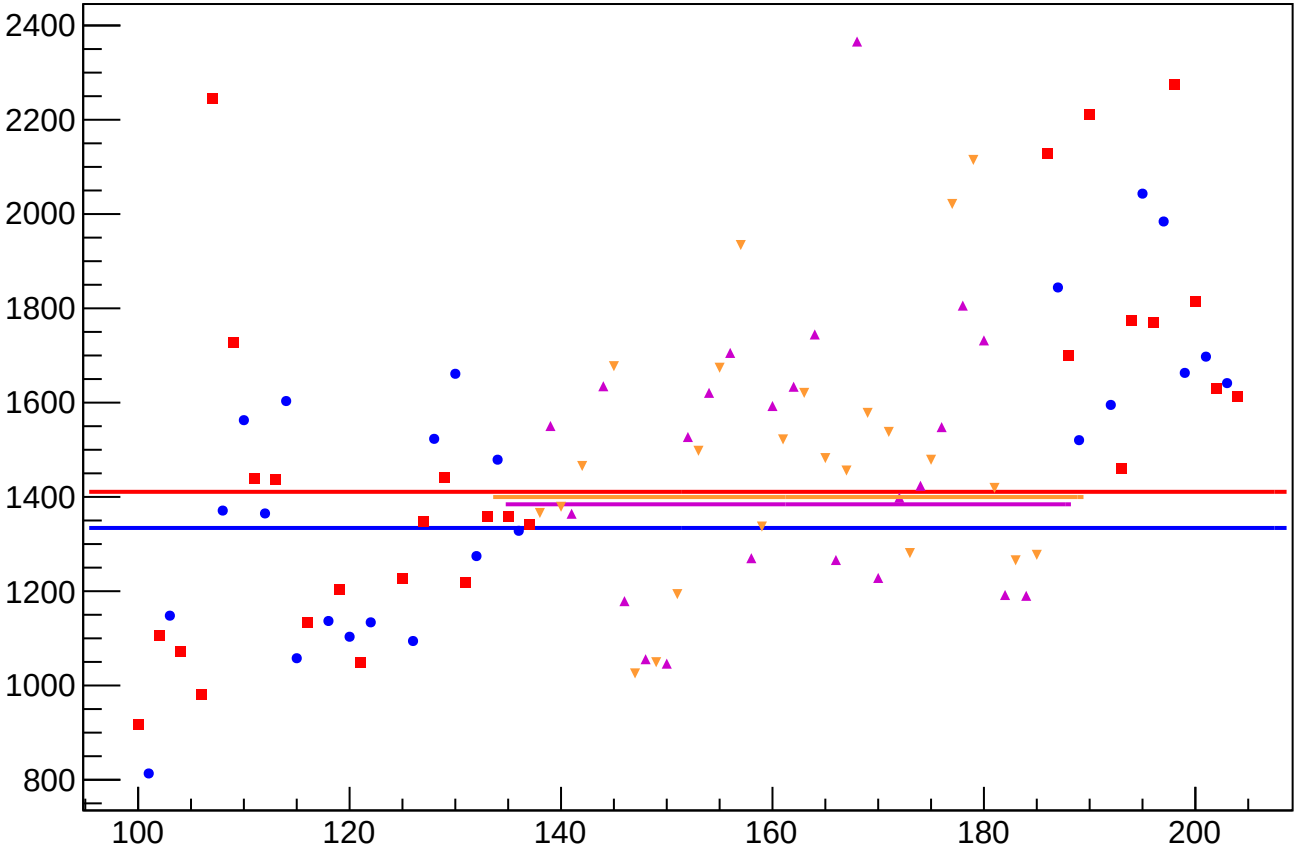
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -160.020+/-249.905 χ^2/NDF: 56.6/47

All: 40.835+/-175.923 χ^2/NDF: 97.4/98

- sign 238.152+/-247.694 χ^2/NDF: 39.6/50

asym_us_avg_dit_correction_rms vs Slug



Right In: 1334.164+/-0.268 χ^2/NDF: 1487135.0/23

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

Right Out: 1410.809+/-0.265 χ^2/NDF: 1438058.5/27

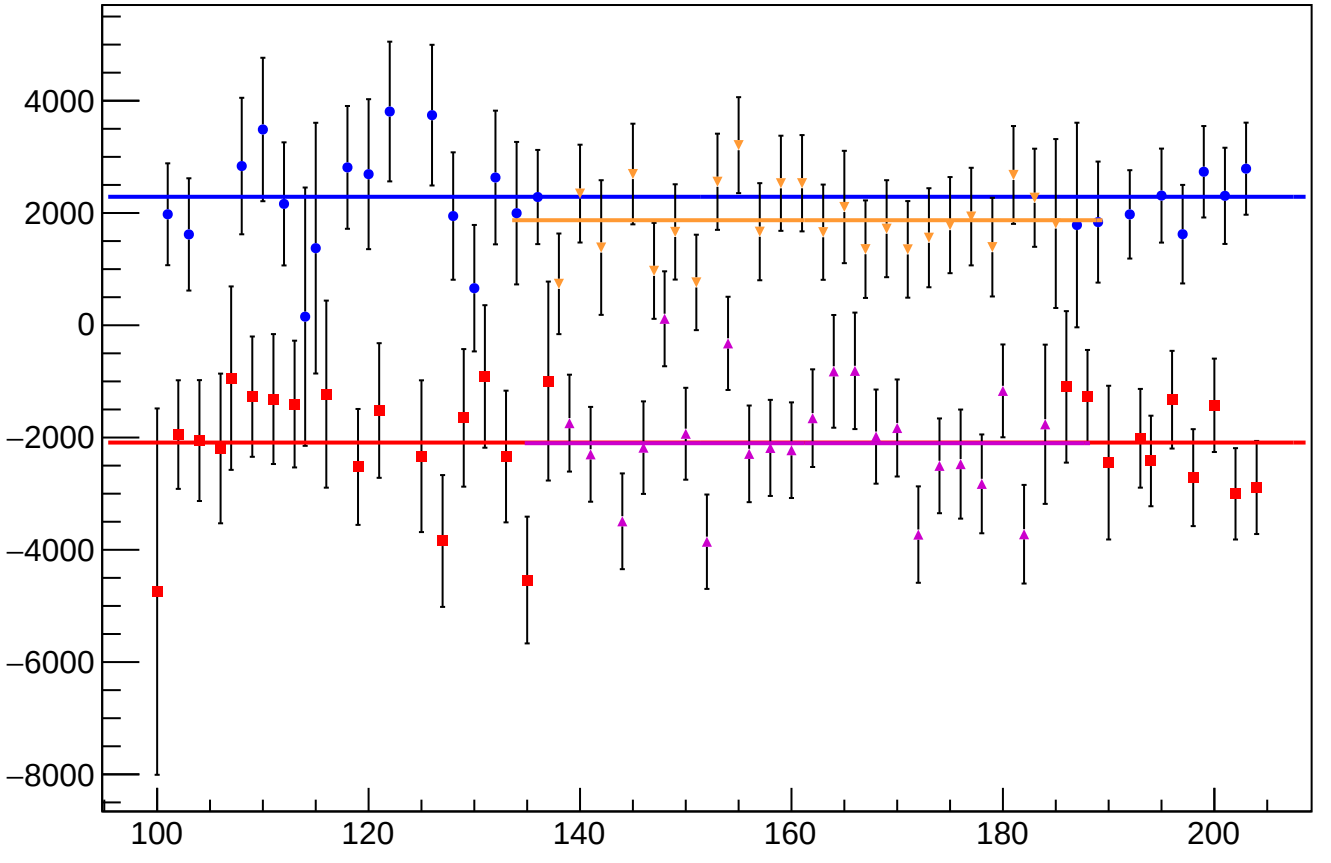
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1371.264+/-0.177 χ^2/NDF: 2657290.0/47

All: 1383.697+/-0.124 χ^2/NDF: 5380722.5/98

- sign 1395.912+/-0.175 χ^2/NDF: 2713618.0/50

eigen_dit_asym_us_avg_mean vs Slug



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

Right Out: -2089.484+/-203.444 χ^2/NDF: 17.5/27

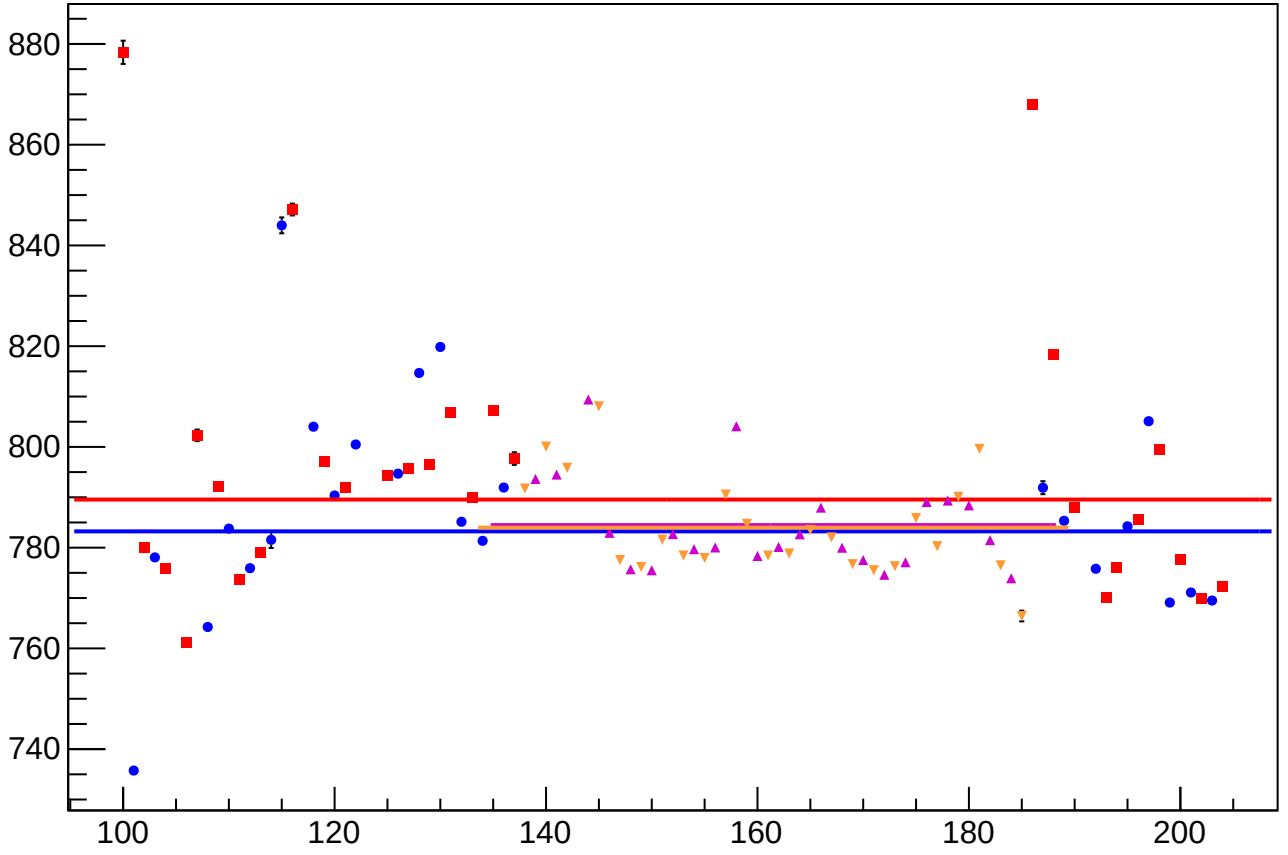
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2045.372+/-138.989 χ^2/NDF: 24.5/47

All: -68.282+/-97.253 χ^2/NDF: 526.9/98

- sign -2095.870+/-136.130 χ^2/NDF: 49.2/50

eigen_dit_asym_us_avg_rms vs Slug



Right In: 783.235+/-0.152 χ^2/NDF: 15831.0/23

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Right Out: 789.550+/-0.144 χ^2/NDF: 20564.2/27

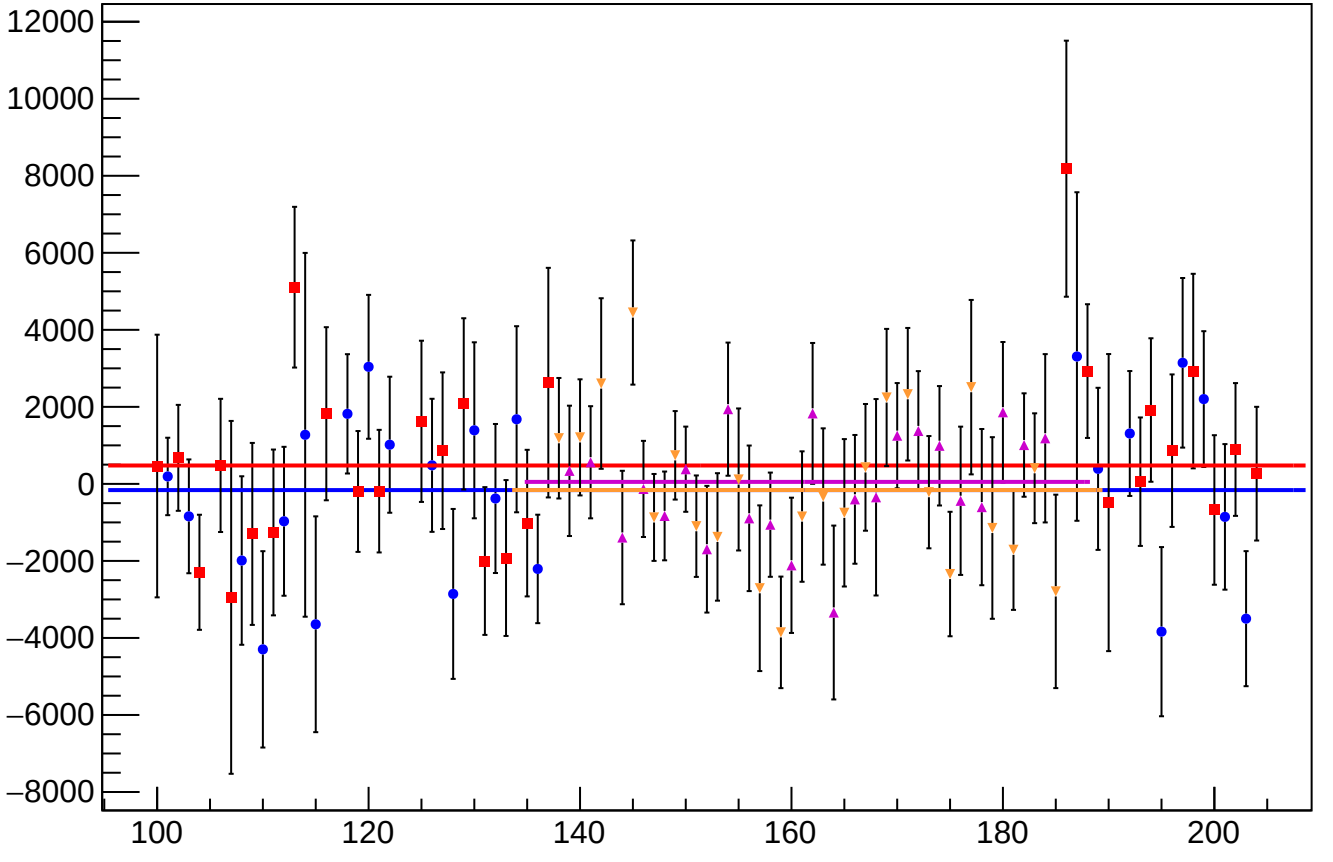
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 783.671+/-0.098 χ^2/NDF: 20773.0/47

All: 785.240+/-0.069 χ^2/NDF: 47452.7/98

- sign 786.746+/-0.096 χ^2/NDF: 26179.9/50

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: -160.992+/-379.318 χ^2/NDF: 27.5/23

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

Right Out: 477.698+/-374.556 χ^2/NDF: 25.5/27

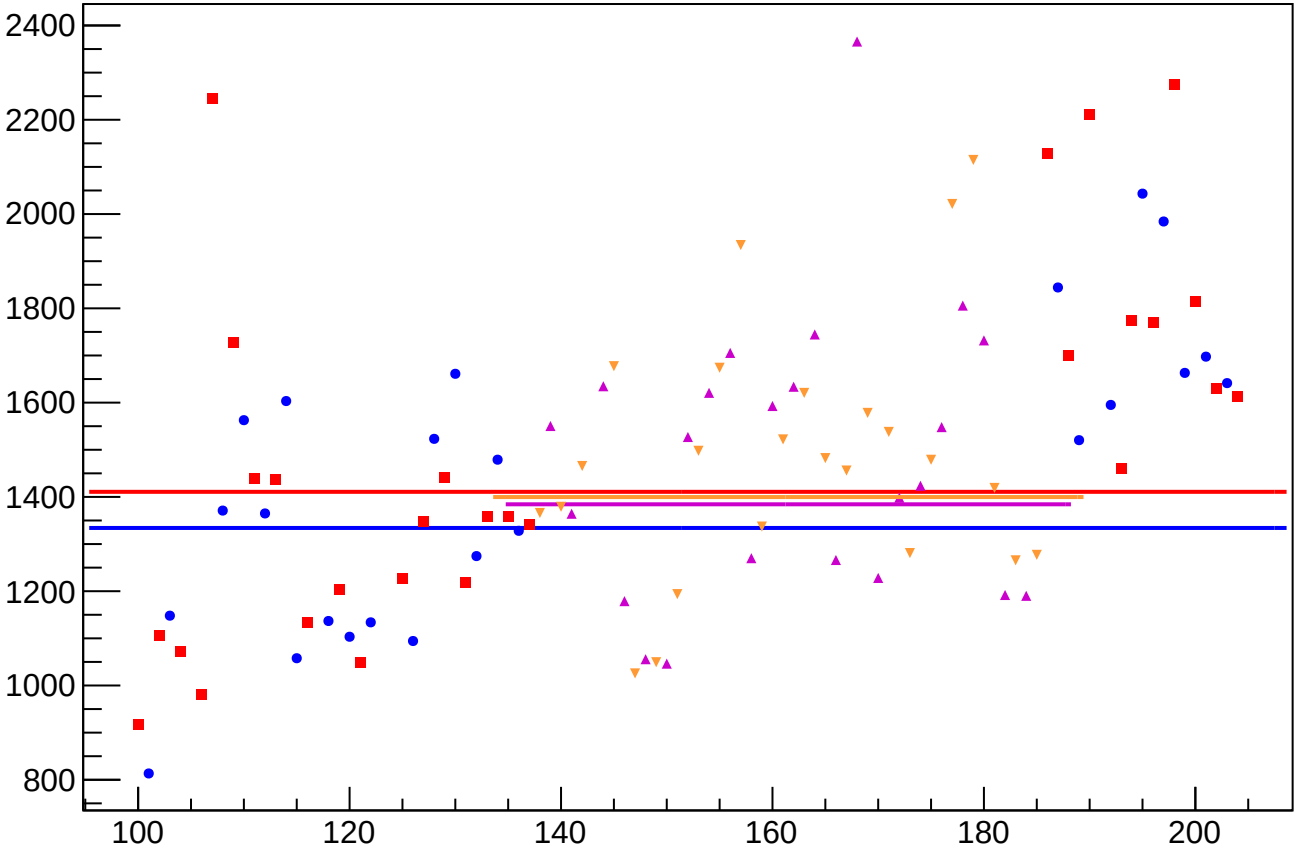
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

+ sign -160.022+/-249.905 χ^2/NDF: 56.6/47

All: 40.834+/-175.923 χ^2/NDF: 97.4/98

- sign 238.152+/-247.695 χ^2/NDF: 39.6/50

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1334.162+/-0.268 χ^2/NDF: 1487148.6/23

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

Right Out: 1410.807+/-0.265 χ^2/NDF: 1438075.9/27

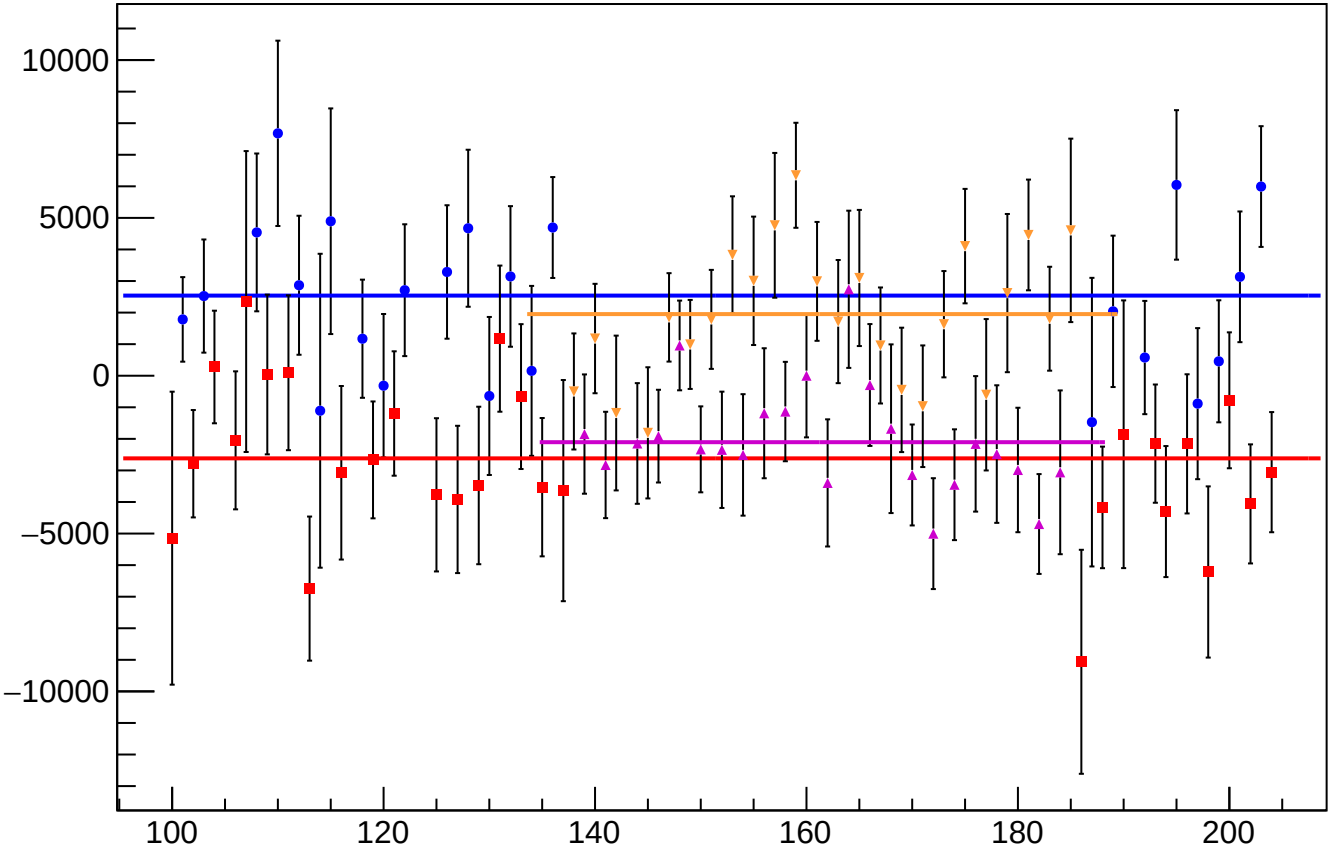
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

+ sign 1371.264+/-0.177 χ^2/NDF: 2657309.9/47

All: 1383.698+/-0.124 χ^2/NDF: 5380758.1/98

- sign 1395.912+/-0.175 χ^2/NDF: 2713633.8/50

asym_us_avg_mean vs Slug



Right In: 2538.523+/-442.189 χ^2/NDF: 23.0/23

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

Right Out: -2617.910+/-431.417 χ^2/NDF: 22.4/27

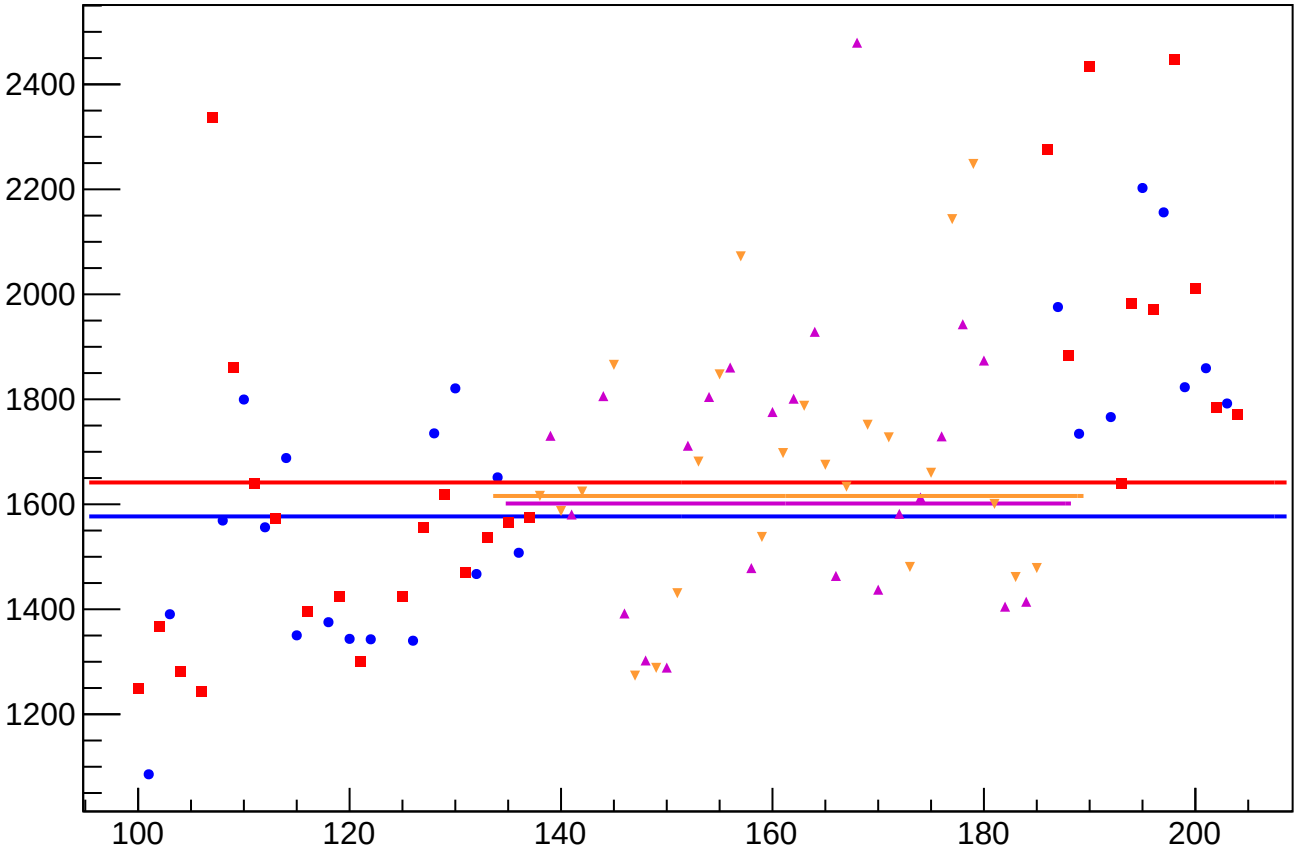
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2201.587+/-288.319 χ^2/NDF: 51.4/47

All: -91.729+/-202.600 χ^2/NDF: 218.2/98

- sign -2328.687+/-284.754 χ^2/NDF: 41.8/50

asym_us_avg_rms vs Slug



Right In: 1576.888+/-0.313 χ^2/NDF: 841053.9/23

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

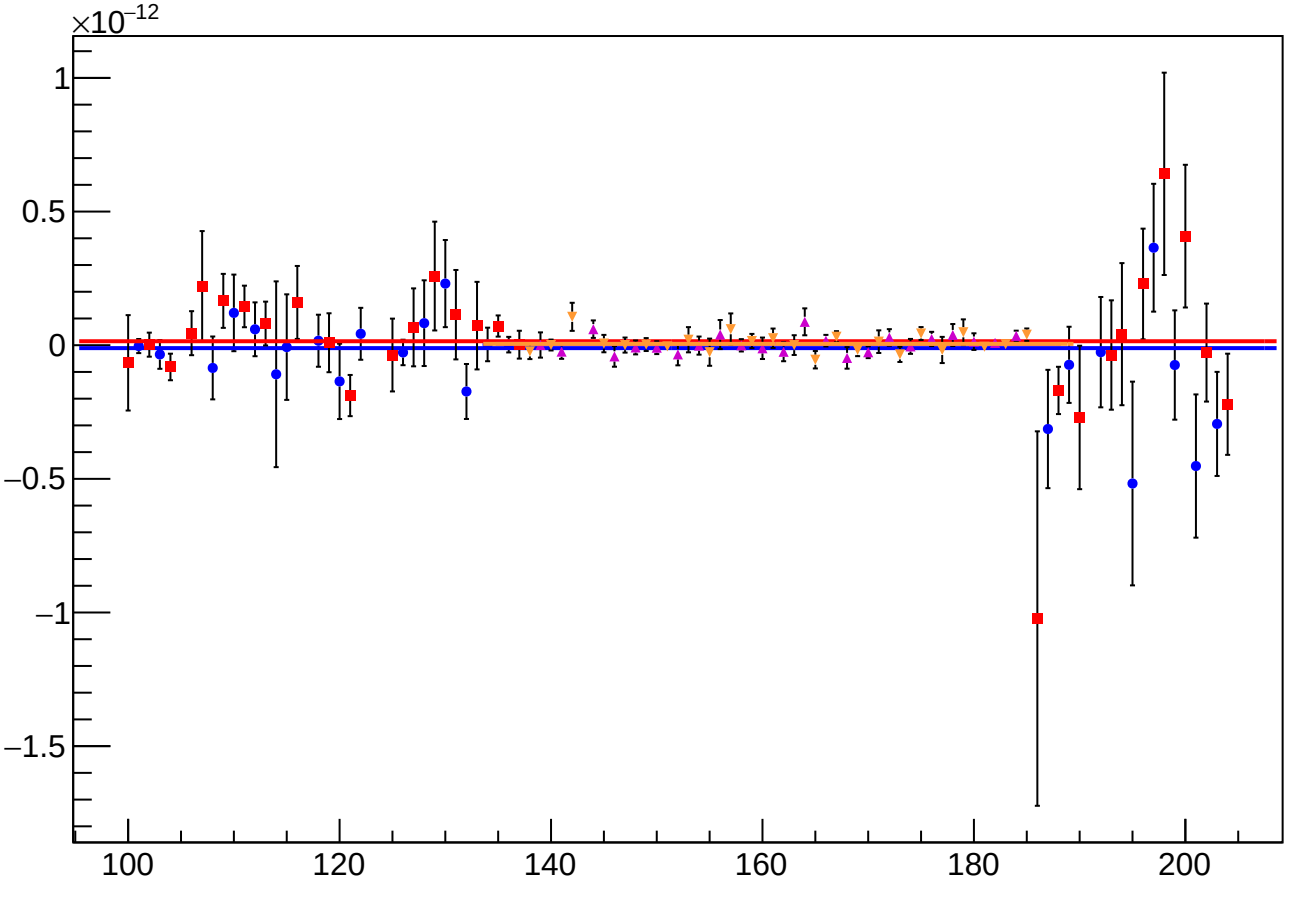
Right Out: 1641.571+/-0.305 χ^2/NDF: 932779.5/27

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

+ sign 1599.288+/-0.204 χ^2/NDF: 1544334.8/47

All: 1609.244+/-0.143 χ^2/NDF: 3285286.7/98

- sign 1618.955+/-0.201 χ^2/NDF: 1736241.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/23

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

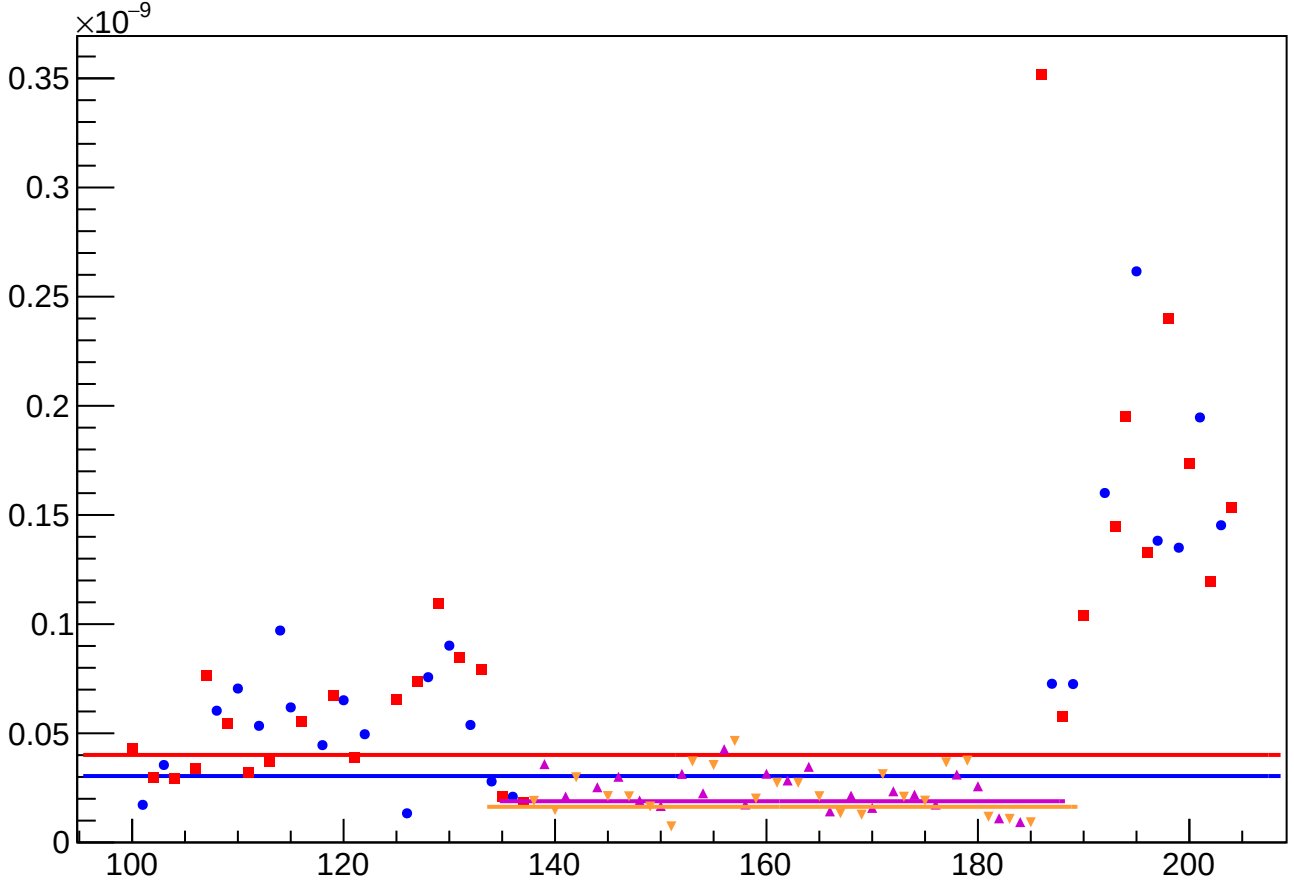
Right Out: 0.000+/-0.000 χ^2/NDF: 38.6/27

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

+ sign 0.000+/-0.000 χ^2/NDF: 41.9/47

All: 0.000+/-0.000 χ^2/NDF: 100.2/98

- sign 0.000+/-0.000 χ^2/NDF: 58.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 6425942.4/23

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

Right Out: 0.000+/-0.000 χ^2/NDF: 6304256.9/27

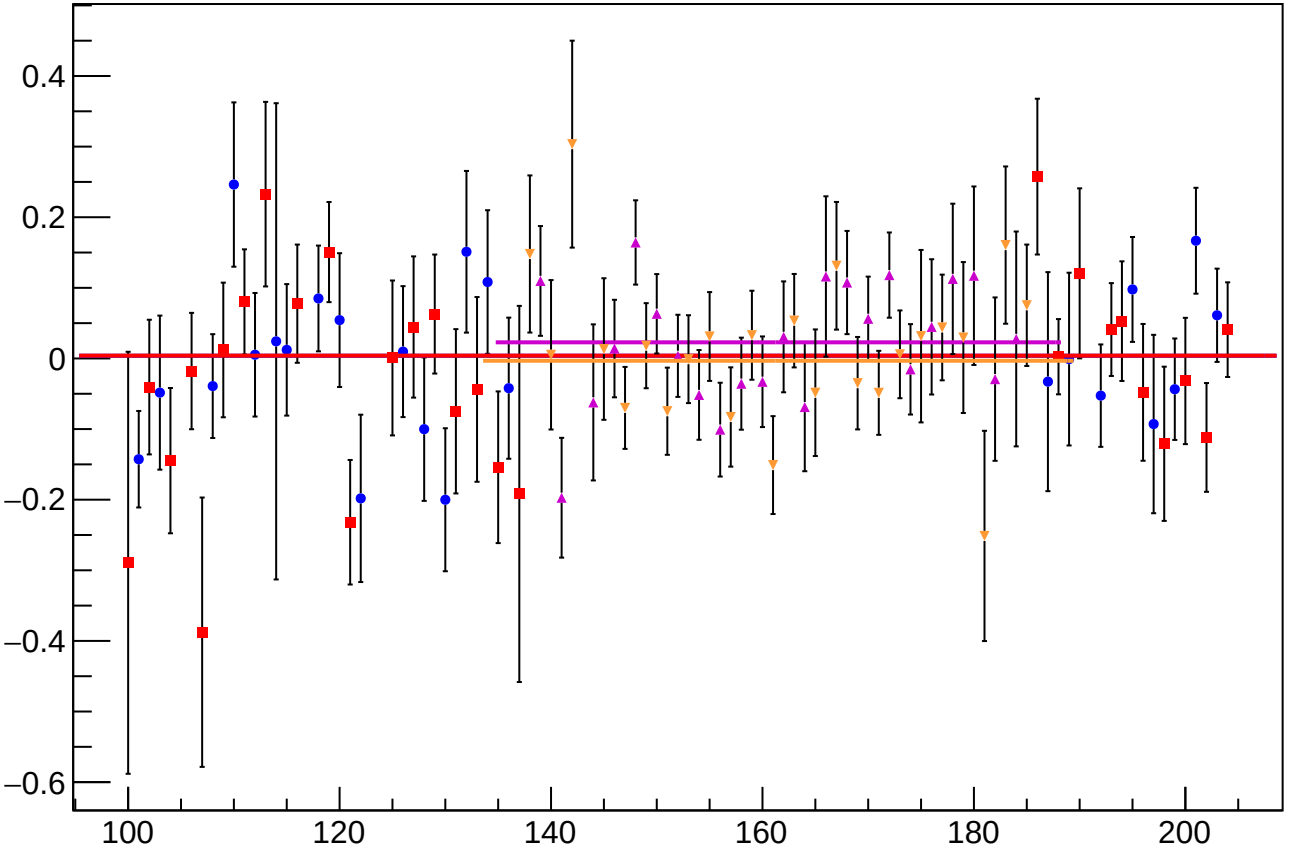
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 12281956.3/47

All: 0.000+/-0.000 χ^2/NDF: 24863214.3/98

- sign 0.000+/-0.000 χ^2/NDF: 12237590.8/50

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.019 χ^2/NDF: 30.7/23

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

Right Out: 0.004+/-0.017 χ^2/NDF: 39.0/27

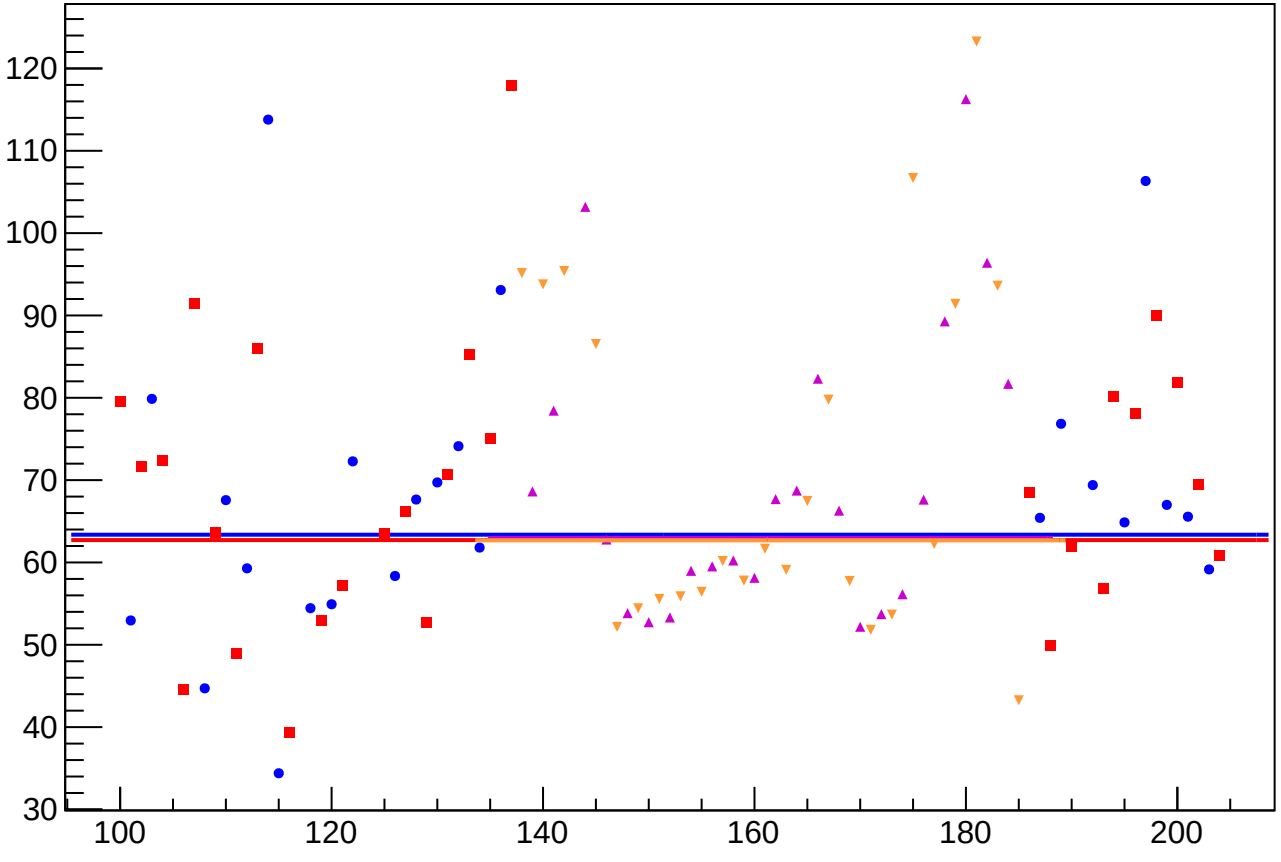
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

\+ sign -0.000+/-0.012 χ^2/NDF: 56.7/47

All: 0.007+/-0.008 χ^2/NDF: 126.1/98

\- sign 0.014+/-0.012 χ^2/NDF: 68.6/50

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 63.371+/-0.013 χ^2/NDF: 1019670.6/23

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

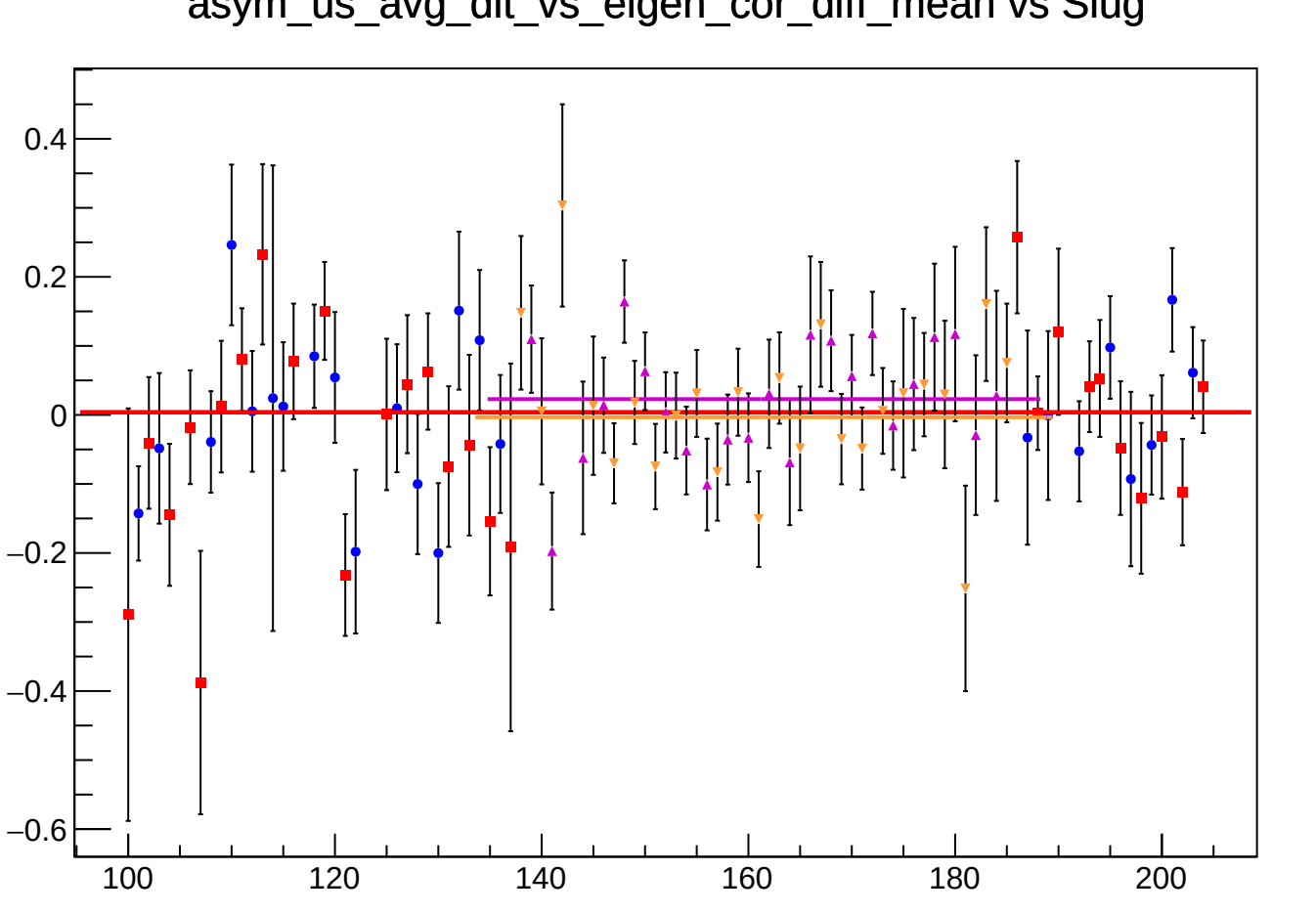
Right Out: 62.719+/-0.012 χ^2/NDF: 1235653.4/27

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

\+ sign 62.971+/-0.008 χ^2/NDF: 2960638.8/47

All: 62.909+/-0.006 χ^2/NDF: 5627032.9/98

\- sign 62.850+/-0.008 χ^2/NDF: 2666287.1/50



Right In: 0.004+/-0.019 χ^2/NDF: 30.7/23

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

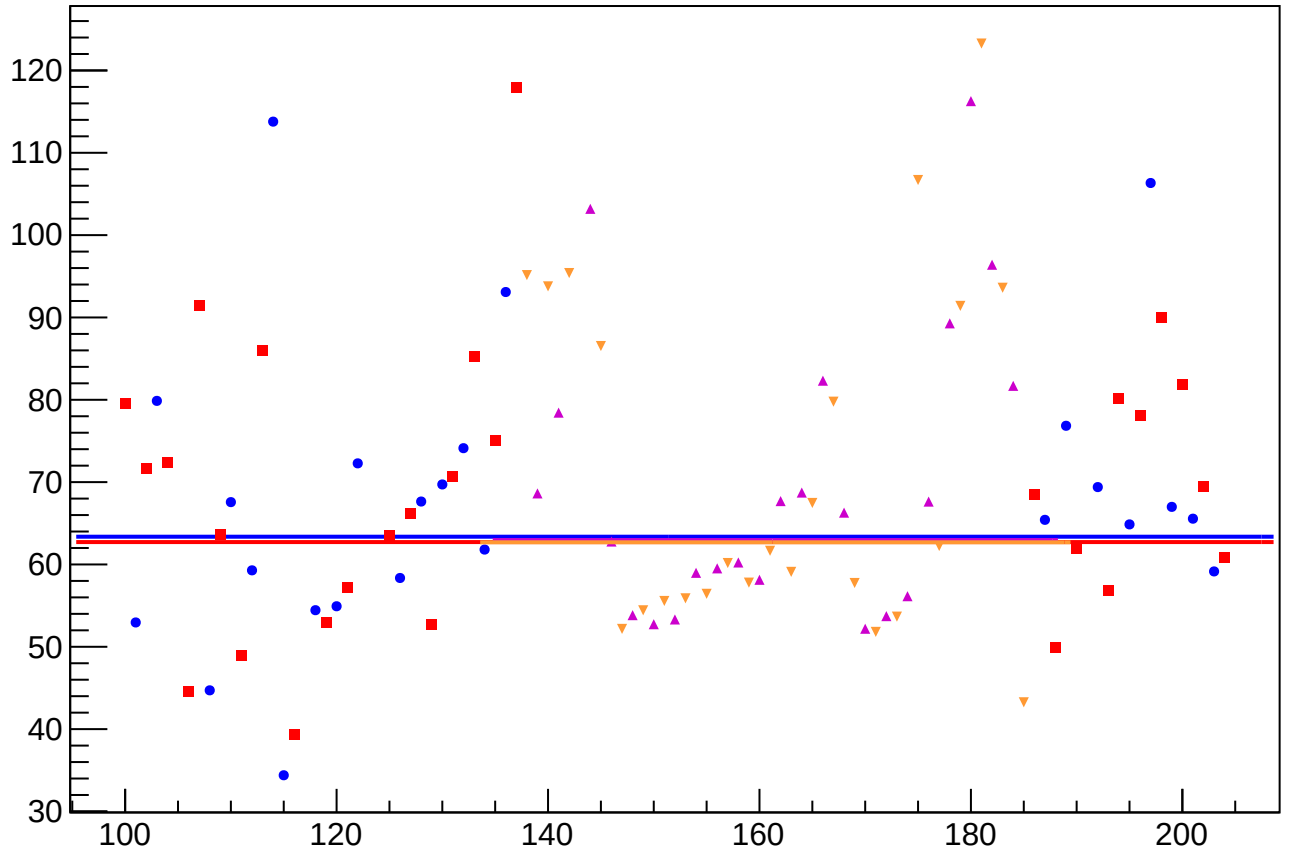
Right Out: 0.004+/-0.017 χ^2/NDF: 39.0/27

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

+ sign -0.000+/-0.012 χ^2/NDF: 56.7/47

All: 0.007+/-0.008 χ^2/NDF: 126.1/98

- sign 0.014+/-0.012 χ^2/NDF: 68.6/50



Right In: 63.371+/-0.013 χ^2/NDF: 1019670.6/23

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

Right Out: 62.719+/-0.012 χ^2/NDF: 1235653.4/27

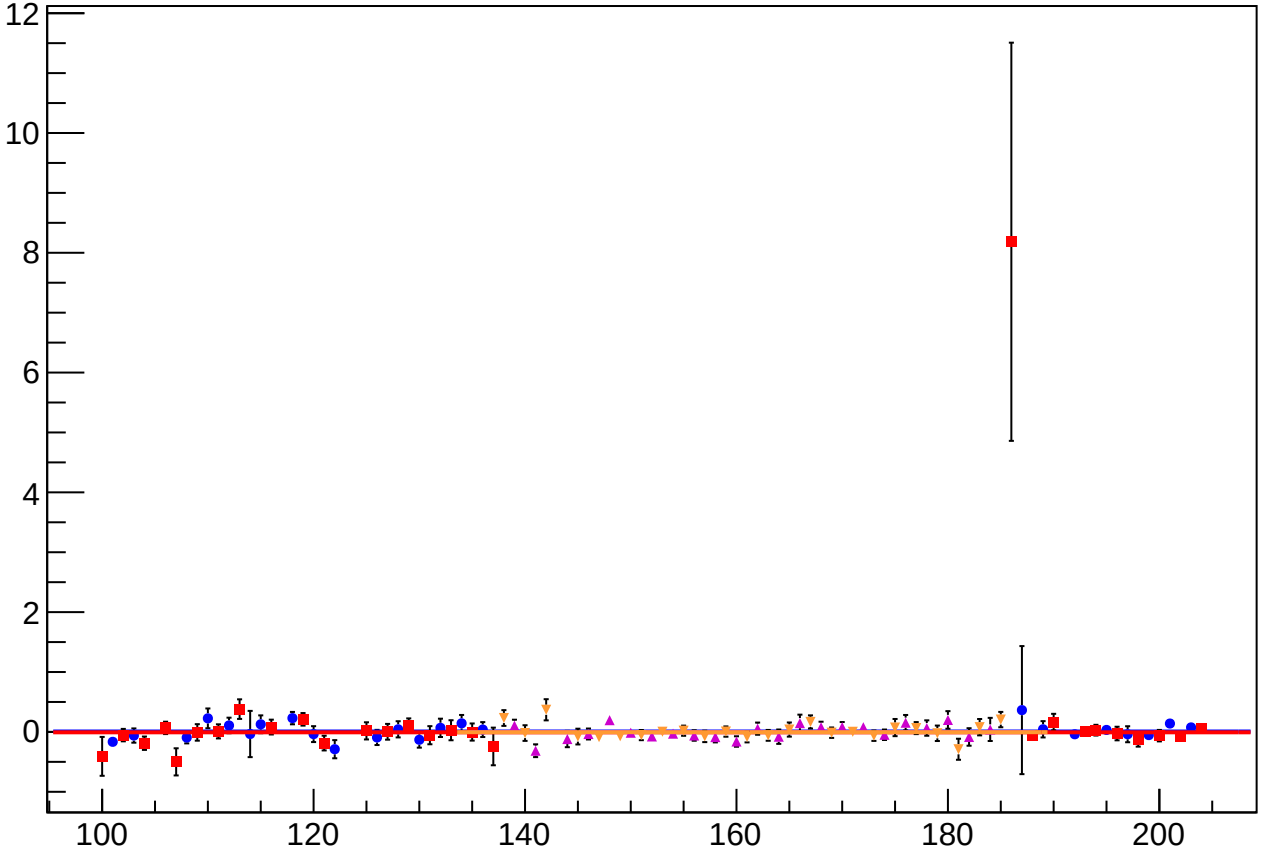
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 62.971+/-0.008 χ^2/NDF: 2960638.8/47

All: 62.909+/-0.006 χ^2/NDF: 5627032.9/98

- sign 62.850+/-0.008 χ^2/NDF: 2666287.1/50

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.007+/-0.023 χ^2/NDF: 25.2/23

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

Right Out: -0.007+/-0.022 χ^2/NDF: 35.0/27

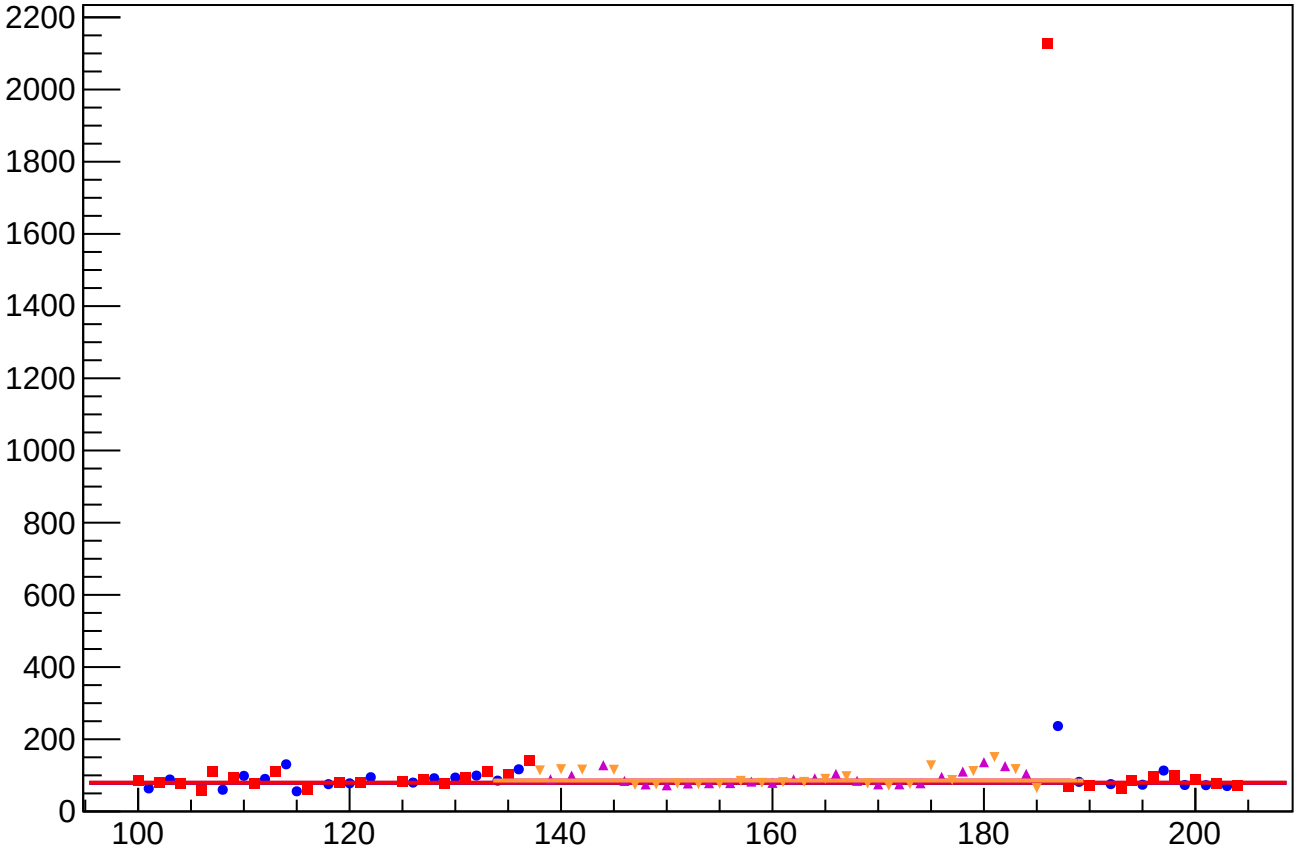
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign 0.001+/-0.015 χ^2/NDF: 46.7/47

All: -0.002+/-0.011 χ^2/NDF: 112.2/98

- sign -0.004+/-0.015 χ^2/NDF: 65.5/50

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 79.194+/-0.016 χ^2/NDF: 809597.6/23

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

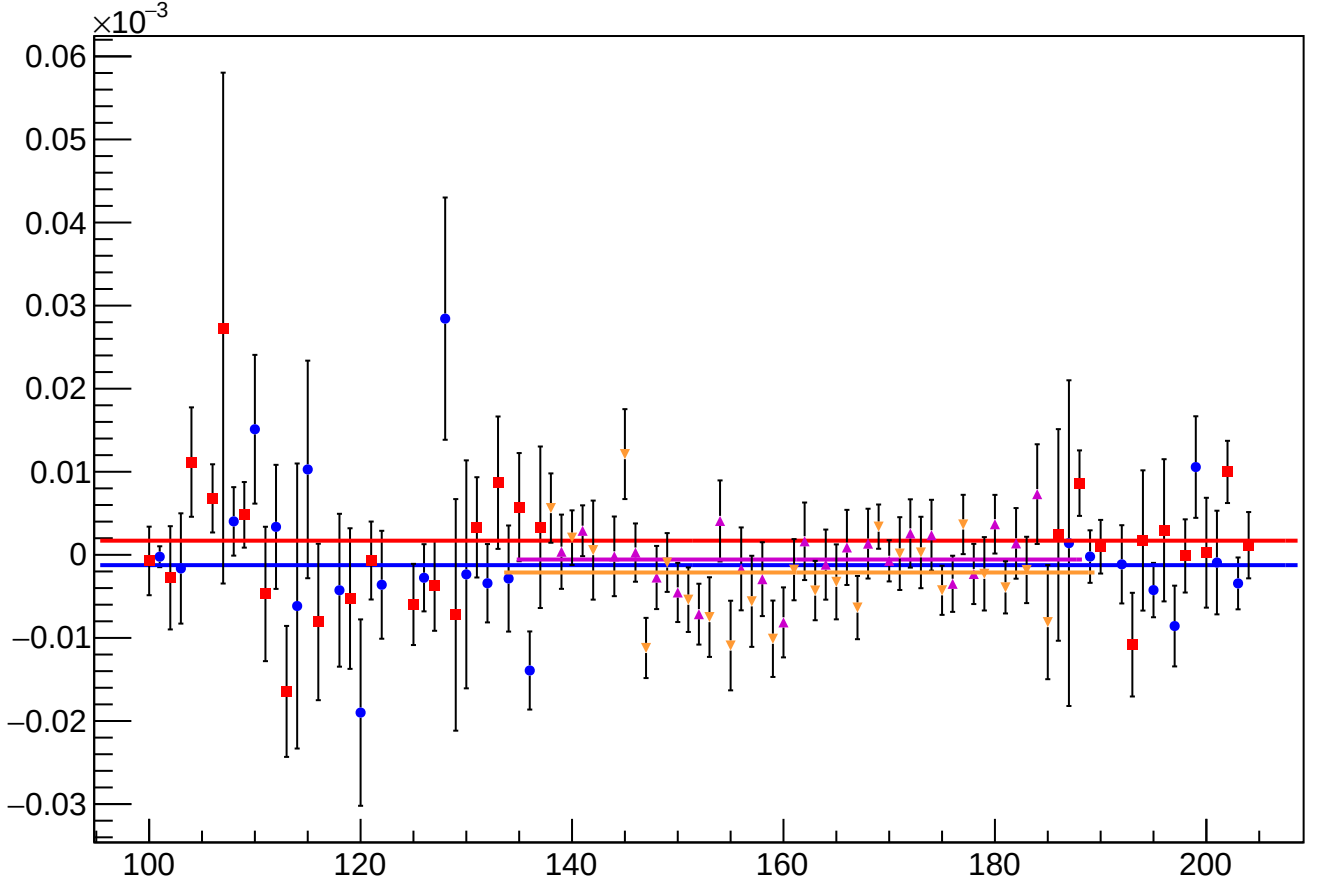
Right Out: 79.619+/-0.015 χ^2/NDF: 1560426.5/27

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

+ sign 82.761+/-0.011 χ^2/NDF: 2249579.2/47

All: 82.785+/-0.008 χ^2/NDF: 4887273.8/98

- sign 82.807+/-0.011 χ^2/NDF: 2637685.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/23

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

Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/27

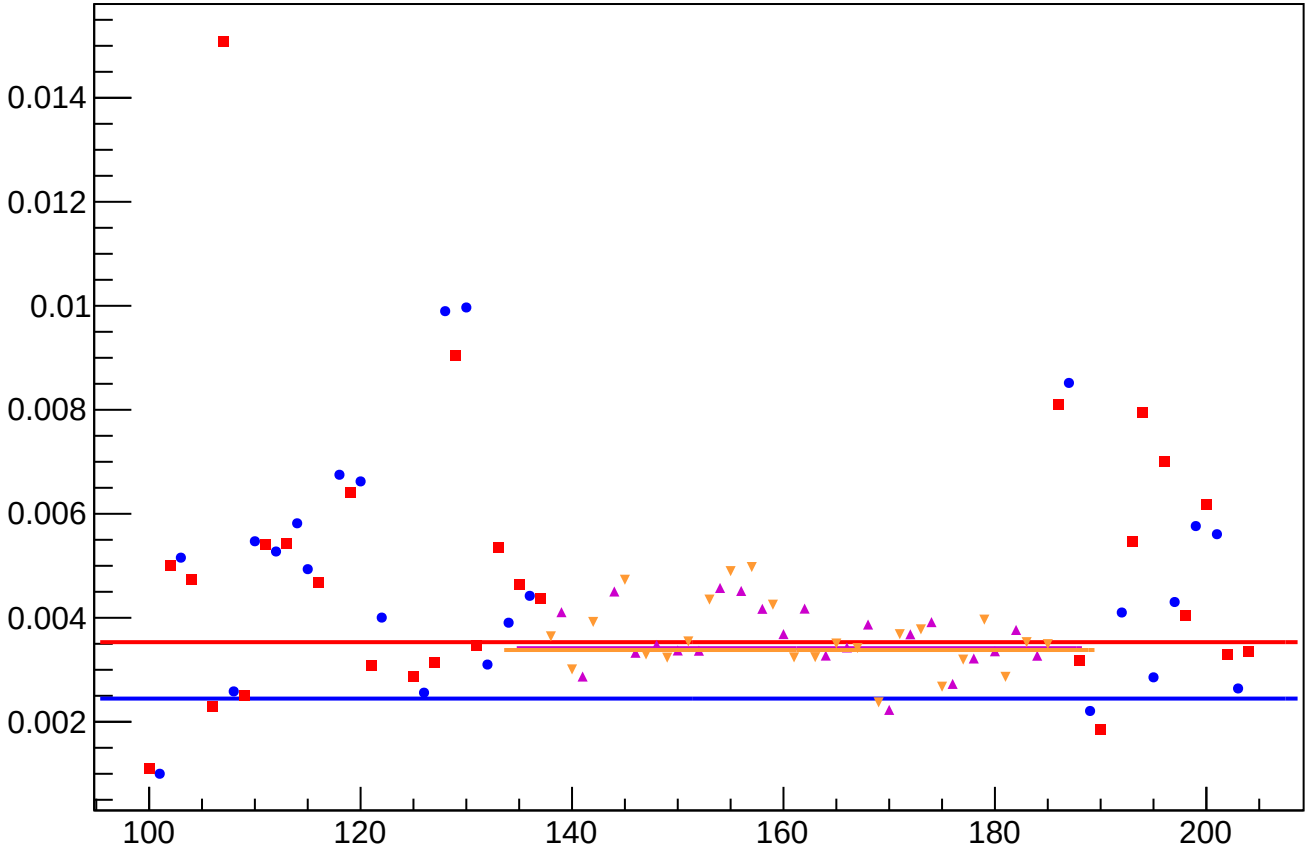
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.9/47

All: -0.000+/-0.000 χ^2/NDF: 123.0/98

- sign 0.000+/-0.000 χ^2/NDF: 50.7/50

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7980597.1/23

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

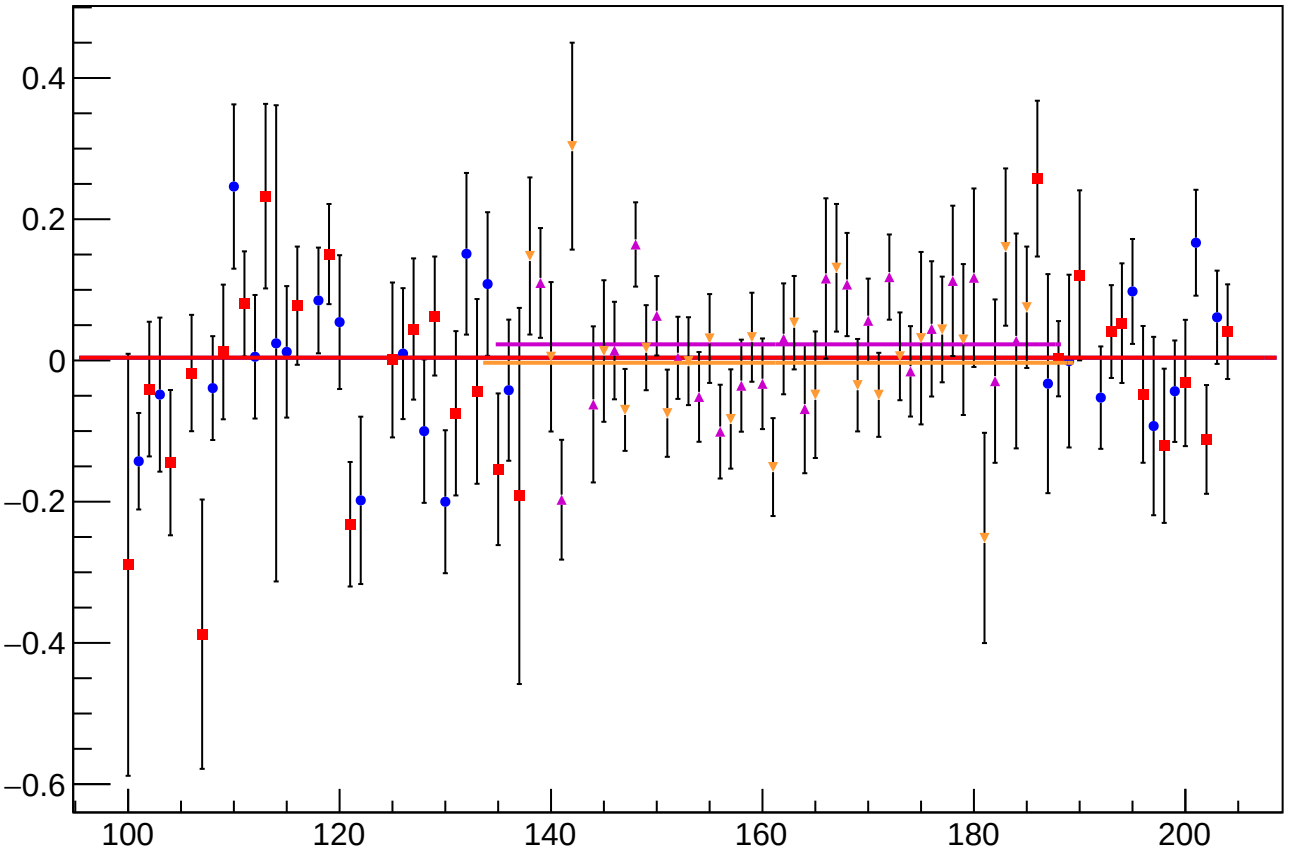
Right Out: 0.004+/-0.000 χ^2/NDF: 4747712.2/27

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

+ sign 0.003+/-0.000 χ^2/NDF: 10466378.6/47

All: 0.003+/-0.000 χ^2/NDF: 17142619.6/98

- sign 0.003+/-0.000 χ^2/NDF: 5933346.9/50



Right In: 0.004+/-0.019 χ^2/NDF: 30.7/23

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

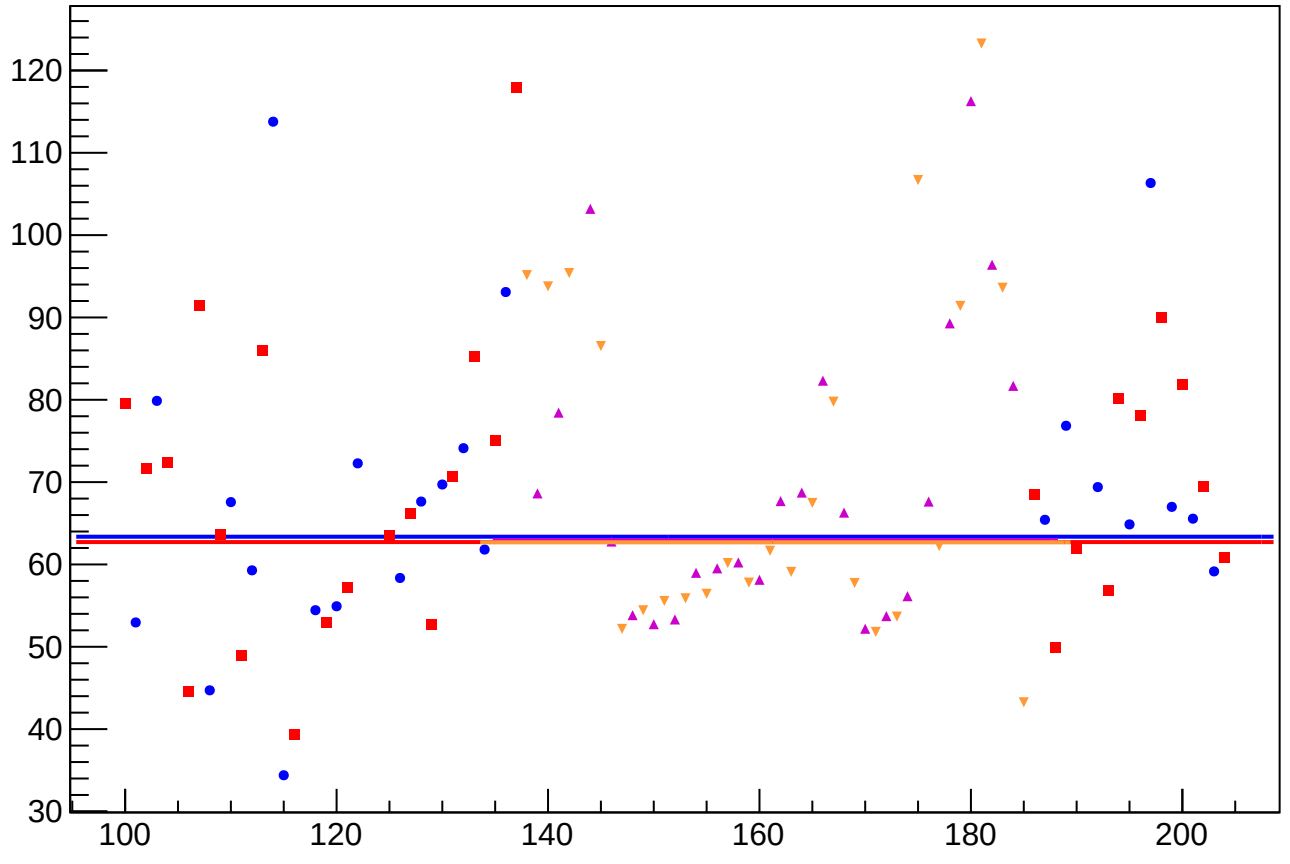
Right Out: 0.004+/-0.017 χ^2/NDF: 39.0/27

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

+ sign -0.000+/-0.012 χ^2/NDF: 56.7/47

All: 0.007+/-0.008 χ^2/NDF: 126.1/98

- sign 0.014+/-0.012 χ^2/NDF: 68.6/50



Right In: 63.370+/-0.013 χ^2/NDF: 1019700.4/23

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

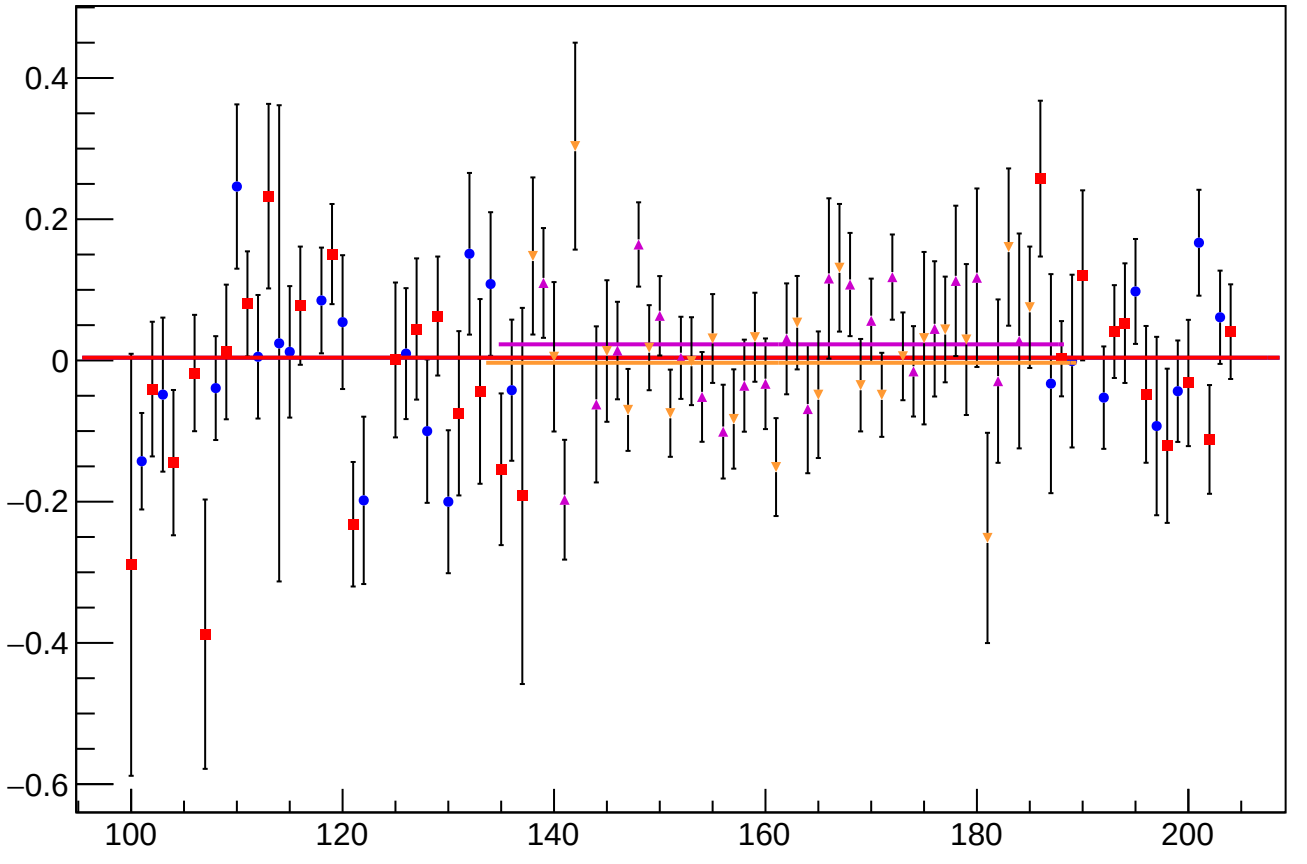
Right Out: 62.718+/-0.012 χ^2/NDF: 1235592.2/27

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

+ sign 62.971+/-0.008 χ^2/NDF: 2960645.8/47

All: 62.909+/-0.006 χ^2/NDF: 5626956.3/98

- sign 62.850+/-0.008 χ^2/NDF: 2666203.2/50



Right In: 0.004+/-0.019 χ^2/NDF: 30.7/23

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

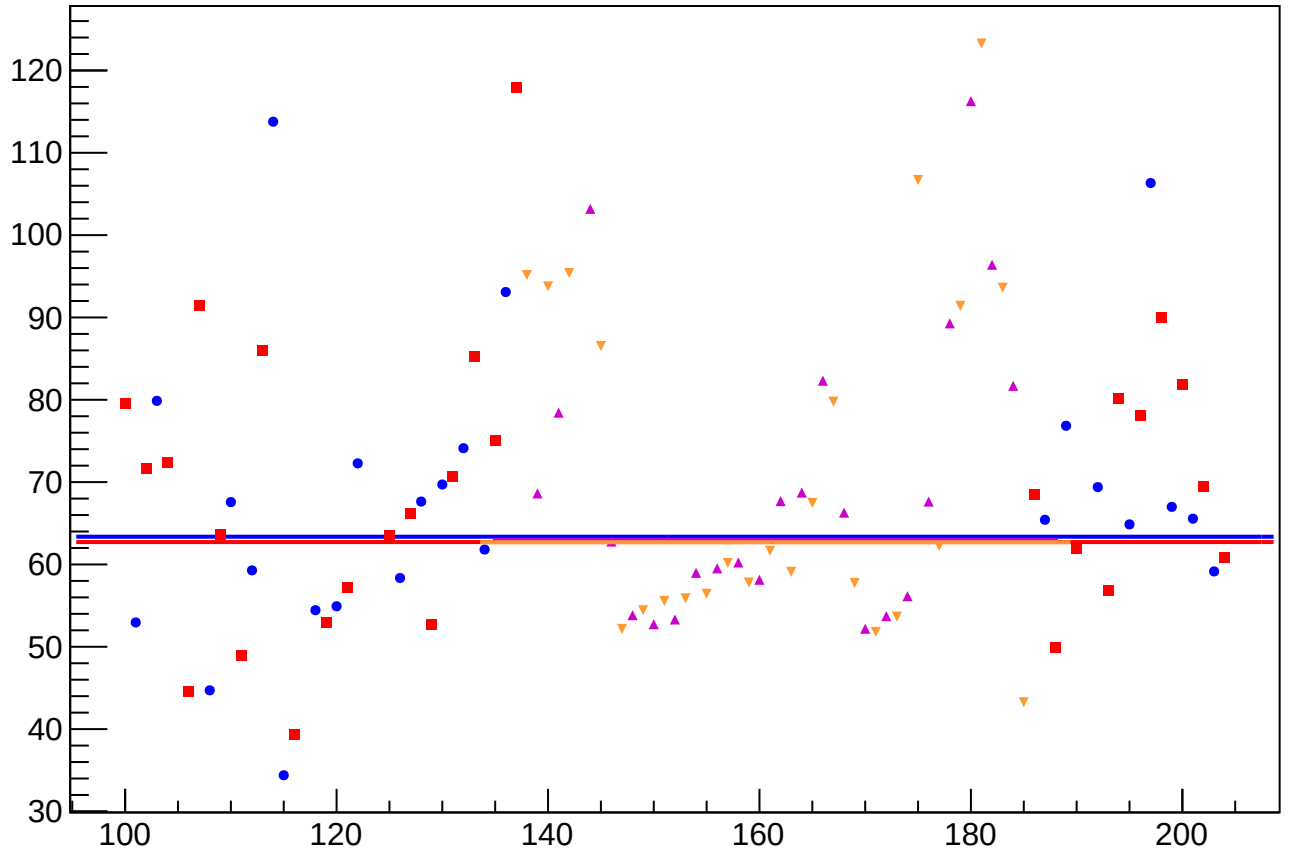
Right Out: 0.004+/-0.017 χ^2/NDF: 39.0/27

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

+ sign -0.000+/-0.012 χ^2/NDF: 56.7/47

All: 0.007+/-0.008 χ^2/NDF: 126.1/98

- sign 0.014+/-0.012 χ^2/NDF: 68.6/50



Right In: 63.370+/-0.013 χ^2/NDF: 1019700.4/23

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

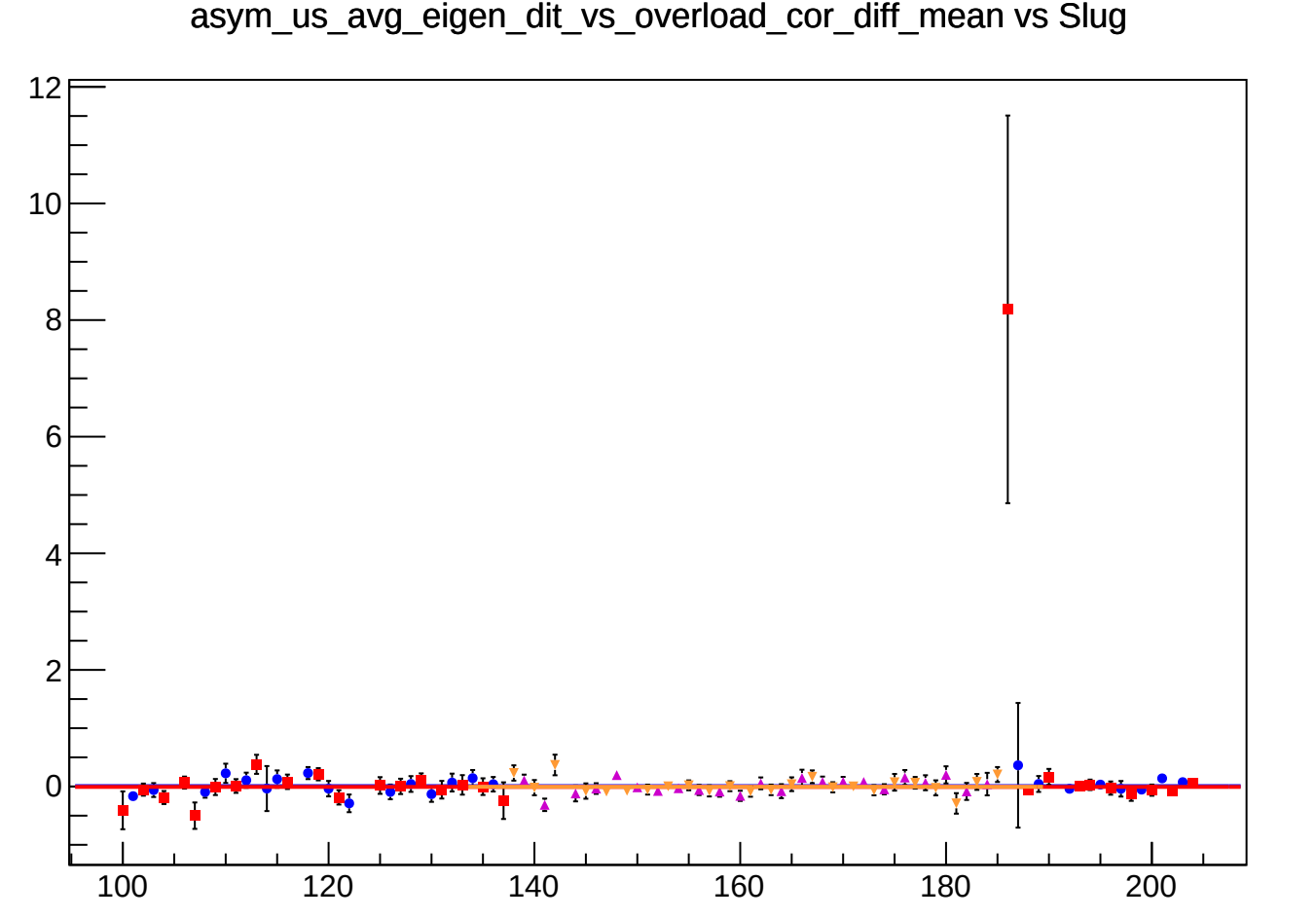
Right Out: 62.718+/-0.012 χ^2/NDF: 1235592.2/27

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

+ sign 62.971+/-0.008 χ^2/NDF: 2960645.8/47

All: 62.909+/-0.006 χ^2/NDF: 5626956.3/98

- sign 62.850+/-0.008 χ^2/NDF: 2666203.2/50



Right In: 0.007+/-0.023 χ^2/NDF: 25.2/23

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

Right Out: -0.007+/-0.022 χ^2/NDF: 35.0/27

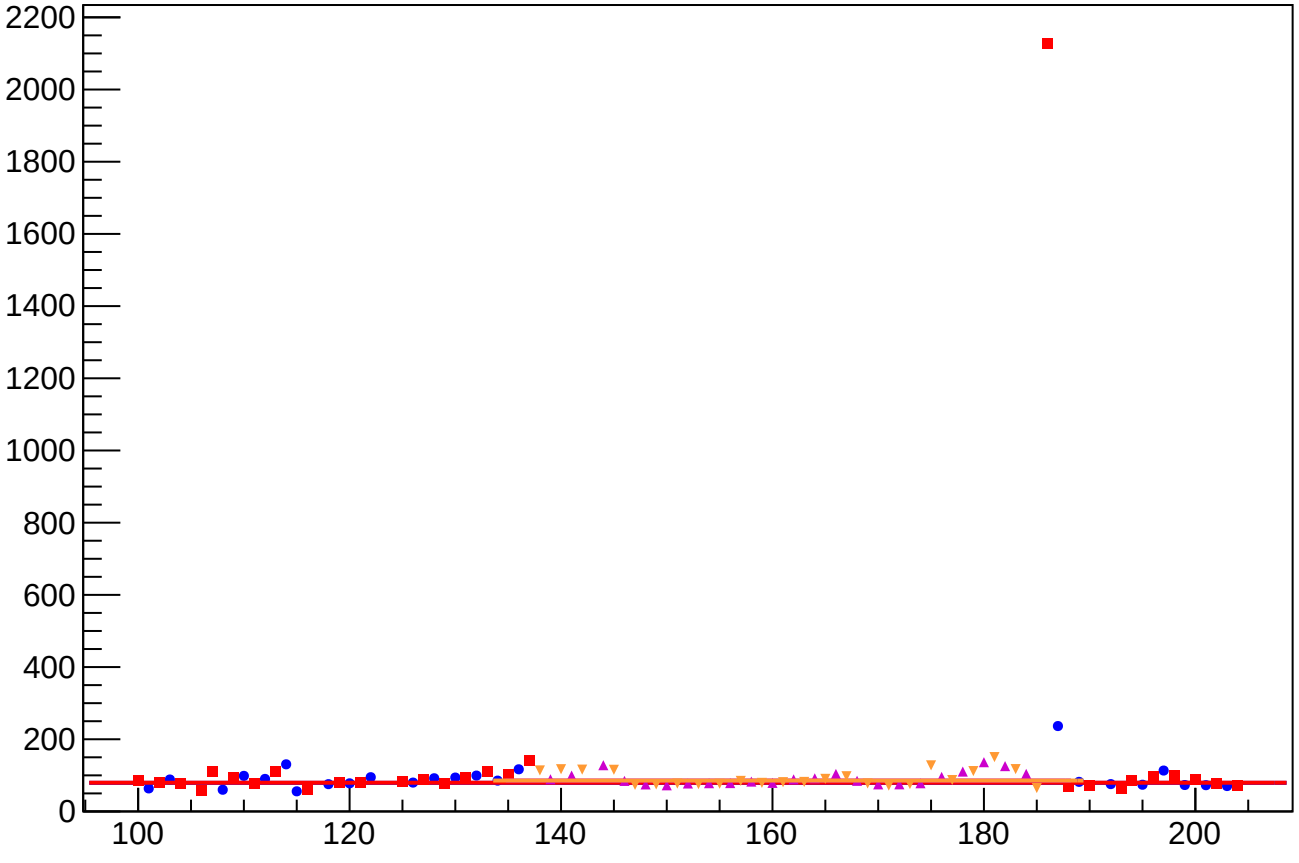
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign 0.001+/-0.015 χ^2/NDF: 46.7/47

All: -0.002+/-0.011 χ^2/NDF: 112.2/98

- sign -0.004+/-0.015 χ^2/NDF: 65.5/50

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 79.194+/-0.016 χ^2/NDF: 809569.6/23

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

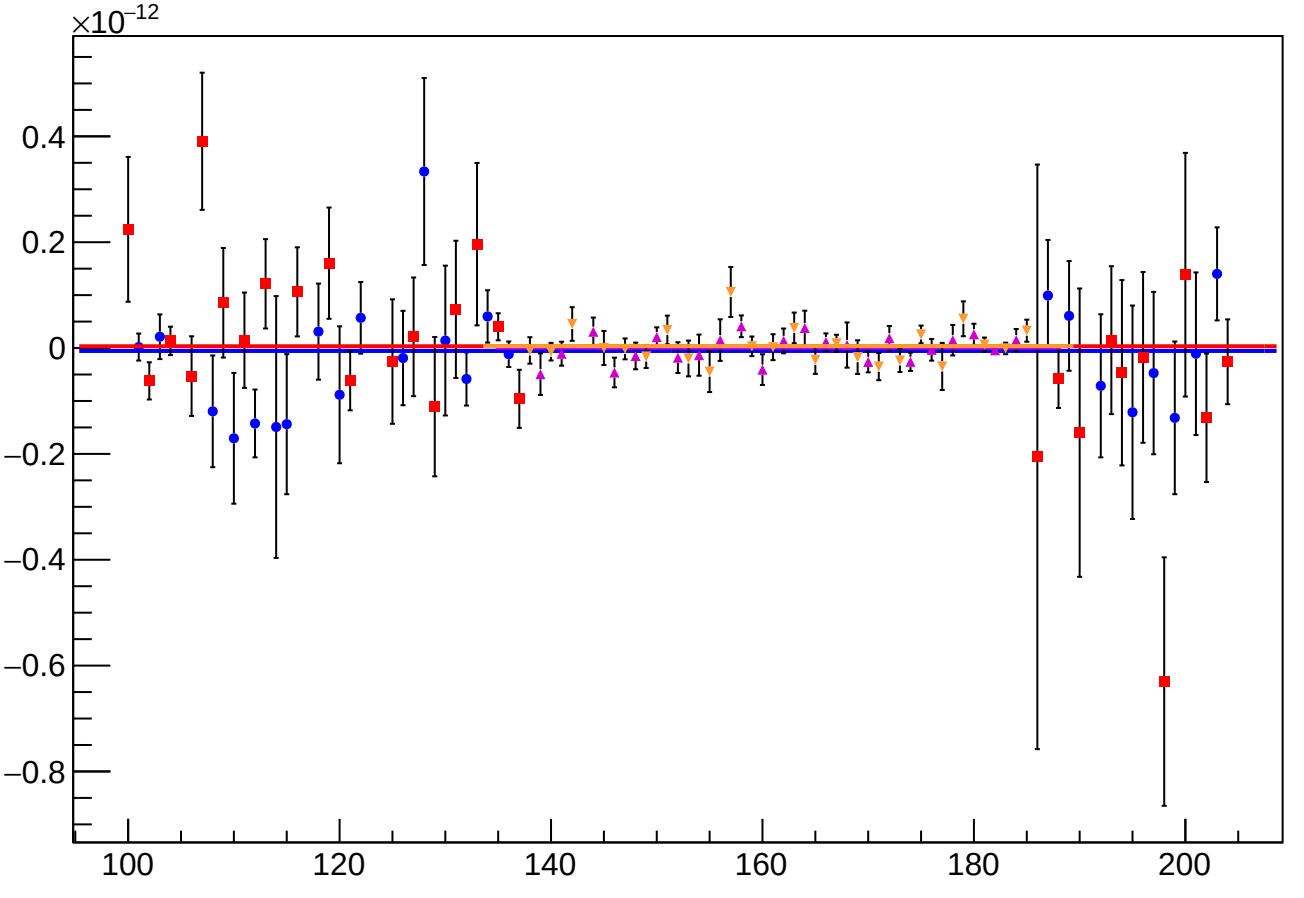
Right Out: 79.619+/-0.015 χ^2/NDF: 1560367.4/27

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

+ sign 82.761+/-0.011 χ^2/NDF: 2249561.5/47

All: 82.785+/-0.008 χ^2/NDF: 4887205.9/98

- sign 82.807+/-0.011 χ^2/NDF: 2637635.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 23.1/23

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

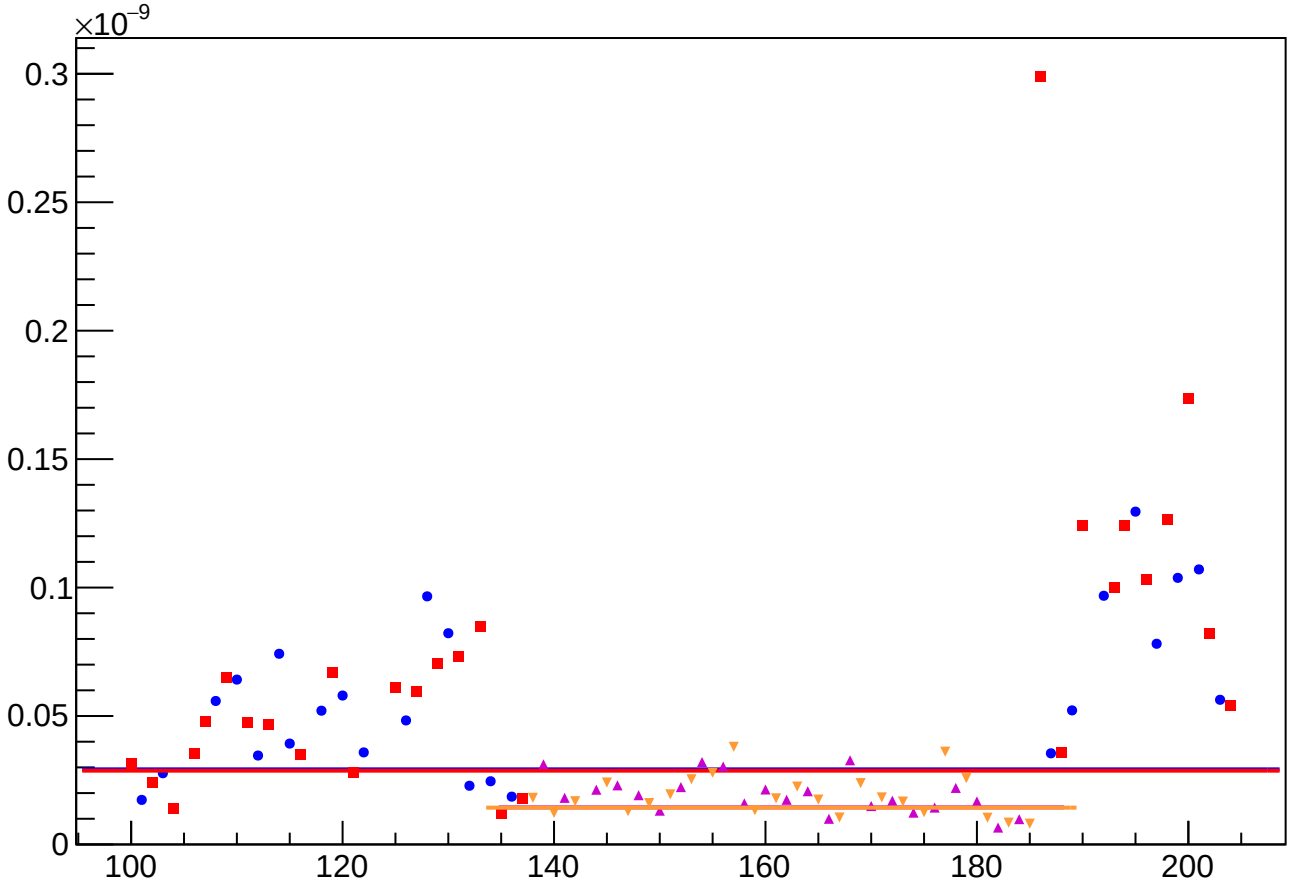
Right Out: 0.000+/-0.000 χ^2/NDF: 42.3/27

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

+ sign 0.000+/-0.000 χ^2/NDF: 48.5/47

All: 0.000+/-0.000 χ^2/NDF: 114.6/98

- sign 0.000+/-0.000 χ^2/NDF: 66.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 4699779.6/23

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

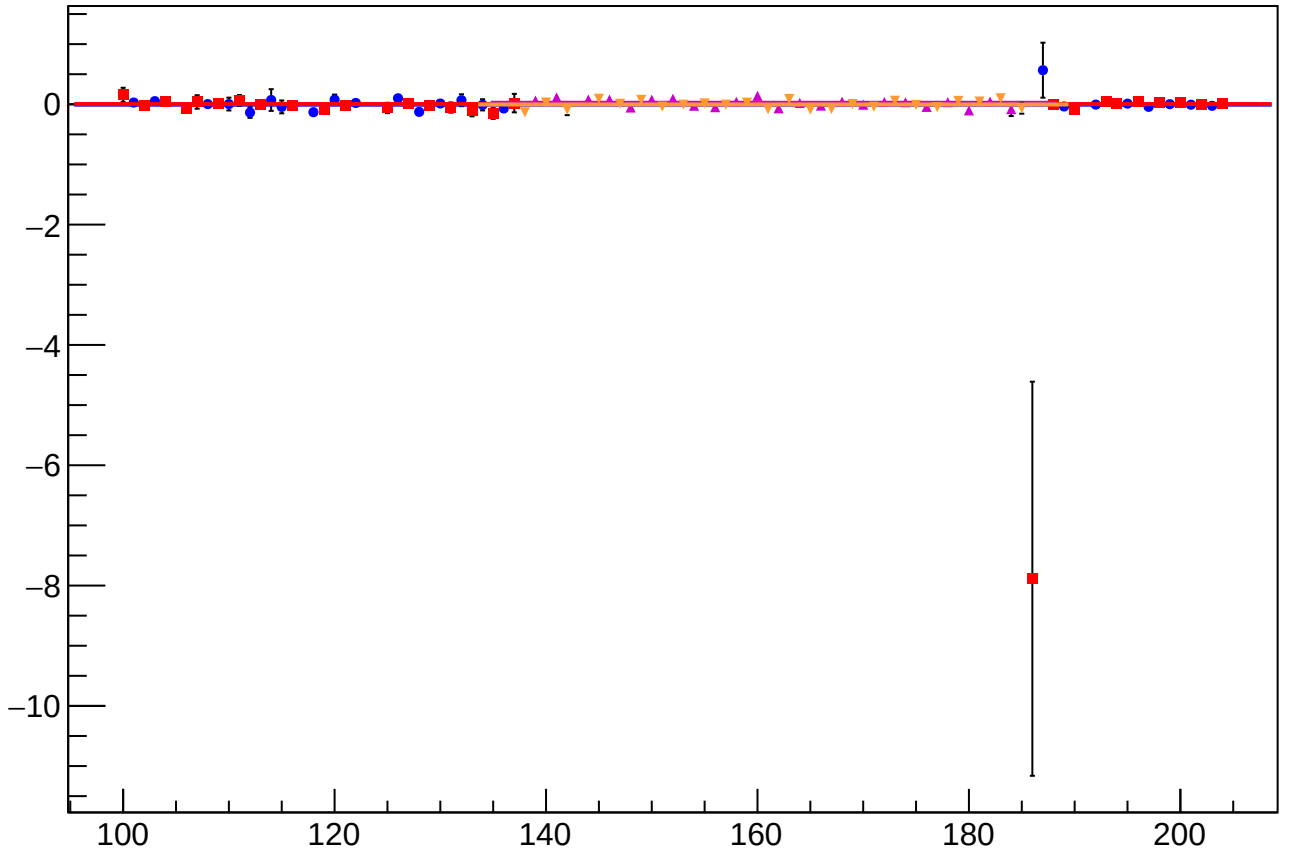
Right Out: 0.000+/-0.000 χ^2/NDF: 7351700.5/27

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

+ sign 0.000+/-0.000 χ^2/NDF: 10781131.9/47

All: 0.000+/-0.000 χ^2/NDF: 24684890.3/98

- sign 0.000+/-0.000 χ^2/NDF: 13903423.6/50



Right In: -0.006+/-0.009 χ^2/NDF: 20.2/23

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

Right Out: 0.004+/-0.009 χ^2/NDF: 29.6/27

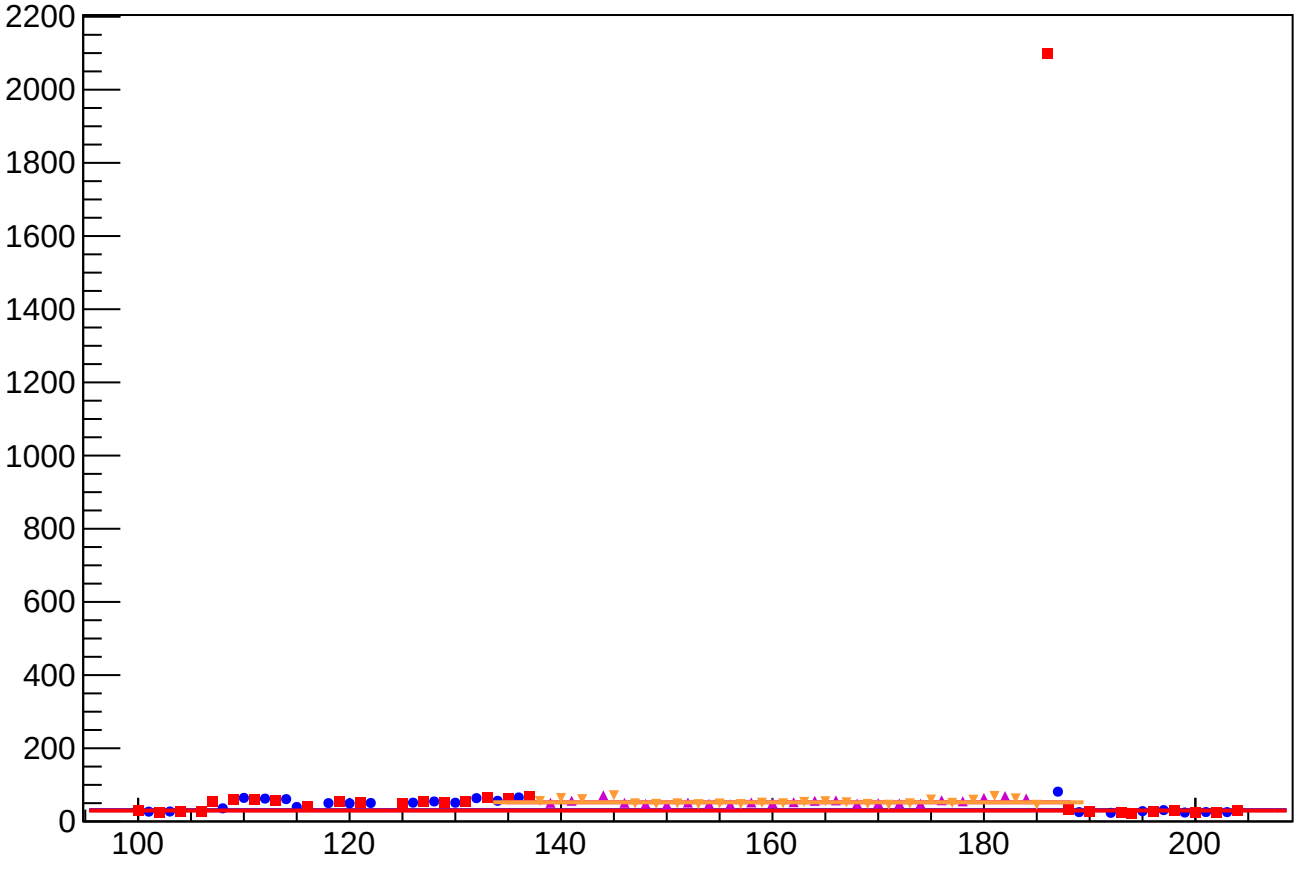
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.005+/-0.007 χ^2/NDF: 43.3/47

All: 0.003+/-0.005 χ^2/NDF: 101.6/98

- sign 0.011+/-0.007 χ^2/NDF: 55.9/50

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.784+/-0.007 χ^2/NDF: 2795239.5/23

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

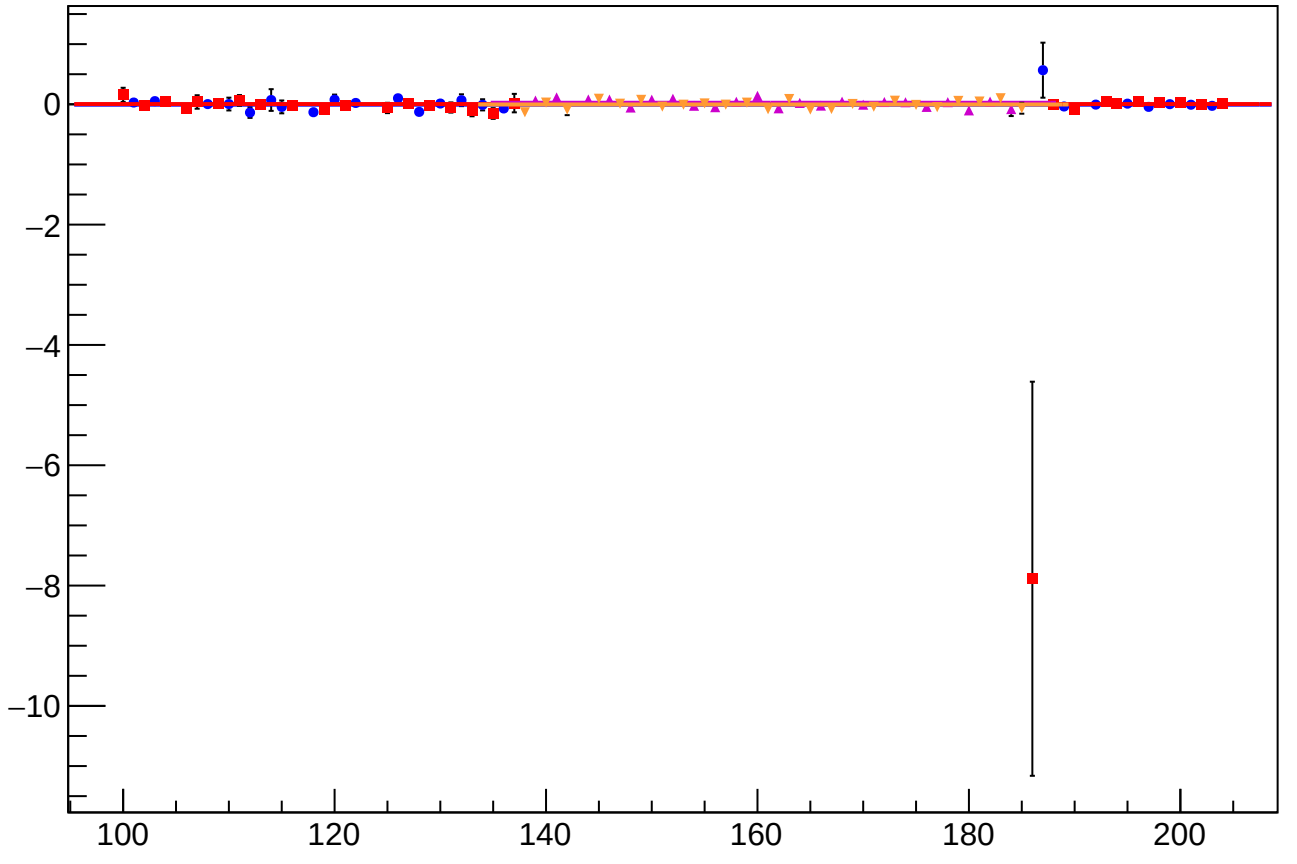
Right Out: 29.912+/-0.006 χ^2/NDF: 3796361.3/27

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

+ sign 38.554+/-0.005 χ^2/NDF: 7181262.1/47

All: 37.792+/-0.004 χ^2/NDF: 15897067.2/98

- sign 37.106+/-0.005 χ^2/NDF: 8676046.5/50



Right In: -0.006+/-0.009 χ^2/NDF: 20.2/23

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

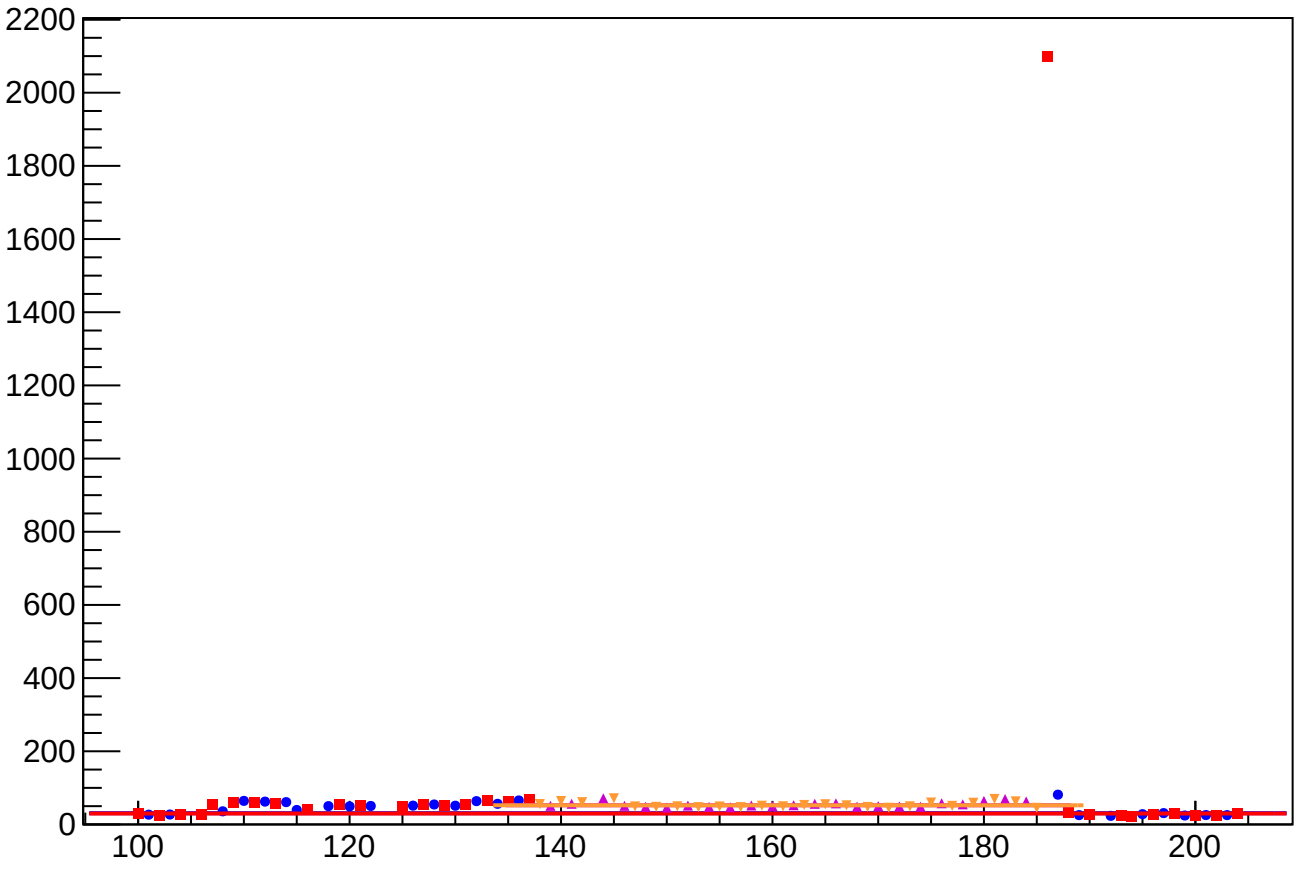
Right Out: 0.004+/-0.009 χ^2/NDF: 29.6/27

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

+ sign -0.005+/-0.007 χ^2/NDF: 43.3/47

All: 0.003+/-0.005 χ^2/NDF: 101.6/98

- sign 0.011+/-0.007 χ^2/NDF: 55.9/50



Right In: 30.784+/-0.007 χ^2/NDF: 2795239.5/23

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

Right Out: 29.912+/-0.006 χ^2/NDF: 3796361.3/27

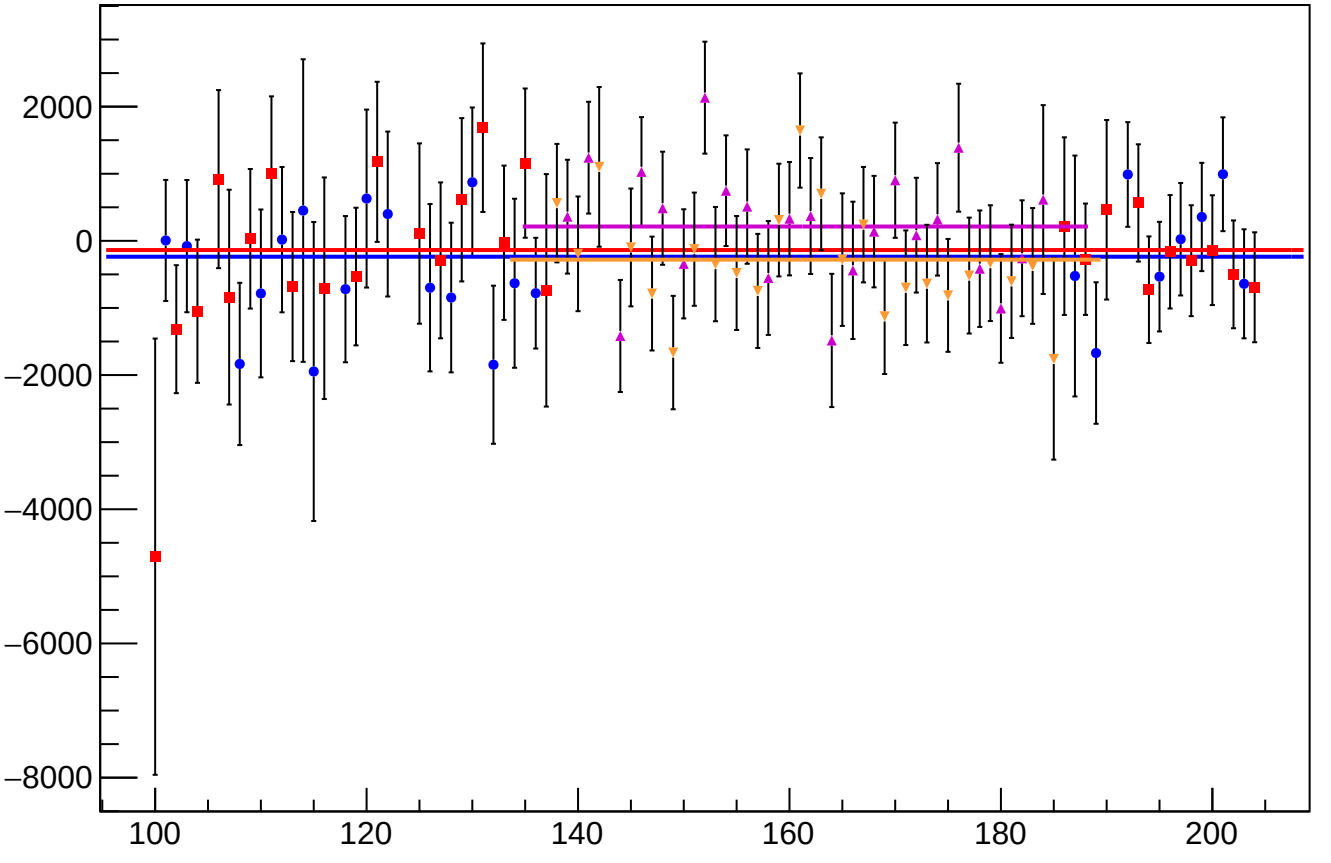
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 38.554+/-0.005 χ^2/NDF: 7181262.1/47

All: 37.792+/-0.004 χ^2/NDF: 15897067.2/98

- sign 37.106+/-0.005 χ^2/NDF: 8676046.5/50

reg_asym_us_dd_mean vs Slug



Right In: -236.546+/-212.257 χ^2/NDF: 15.0/23

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

Right Out: -137.052+/-200.313 χ^2/NDF: 14.0/27

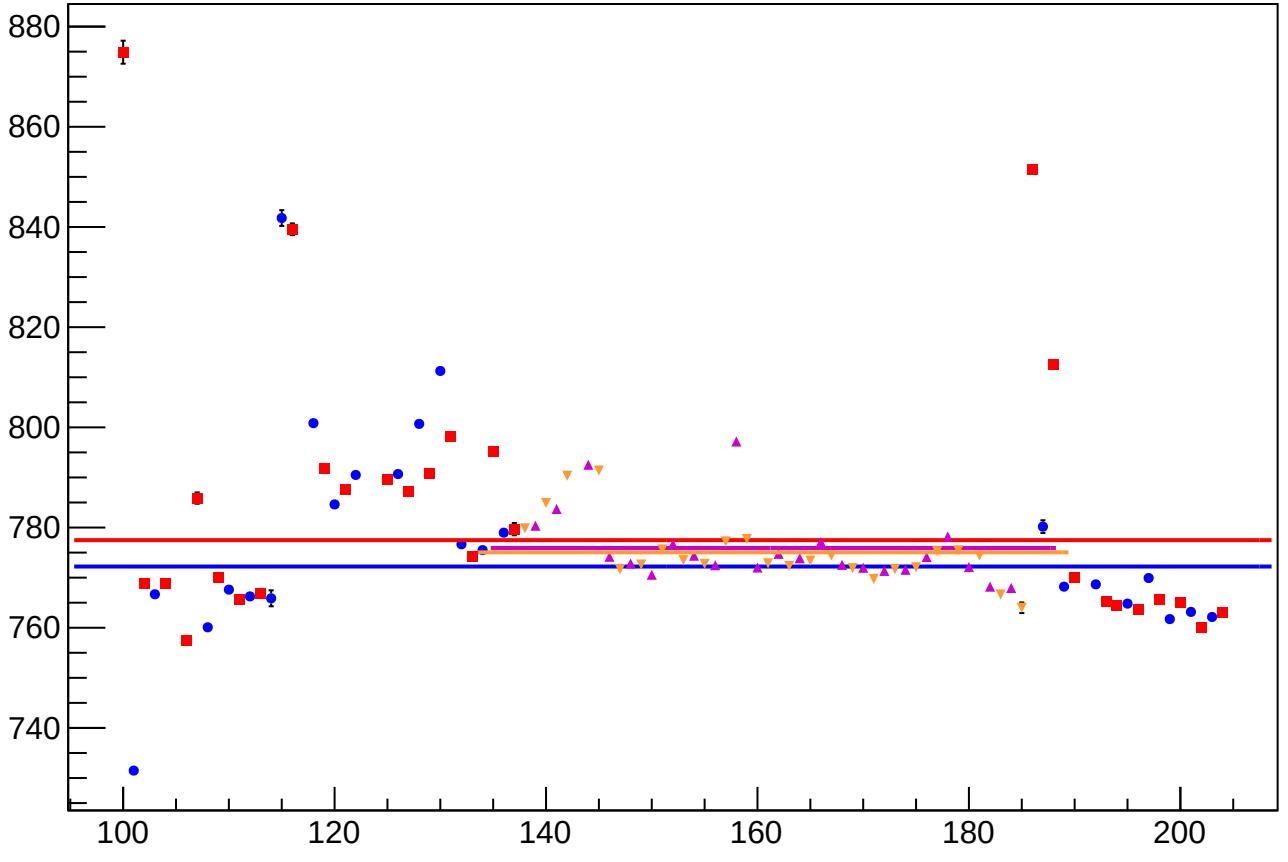
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -262.048+/-137.229 χ^2/NDF: 31.0/47

All: -99.807+/-96.007 χ^2/NDF: 71.9/98

- sign 55.732+/-134.365 χ^2/NDF: 38.1/50

reg_asym_us_dd_rms vs Slug



Right In: 772.219+/-0.150 χ^2/NDF: 13931.9/23

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

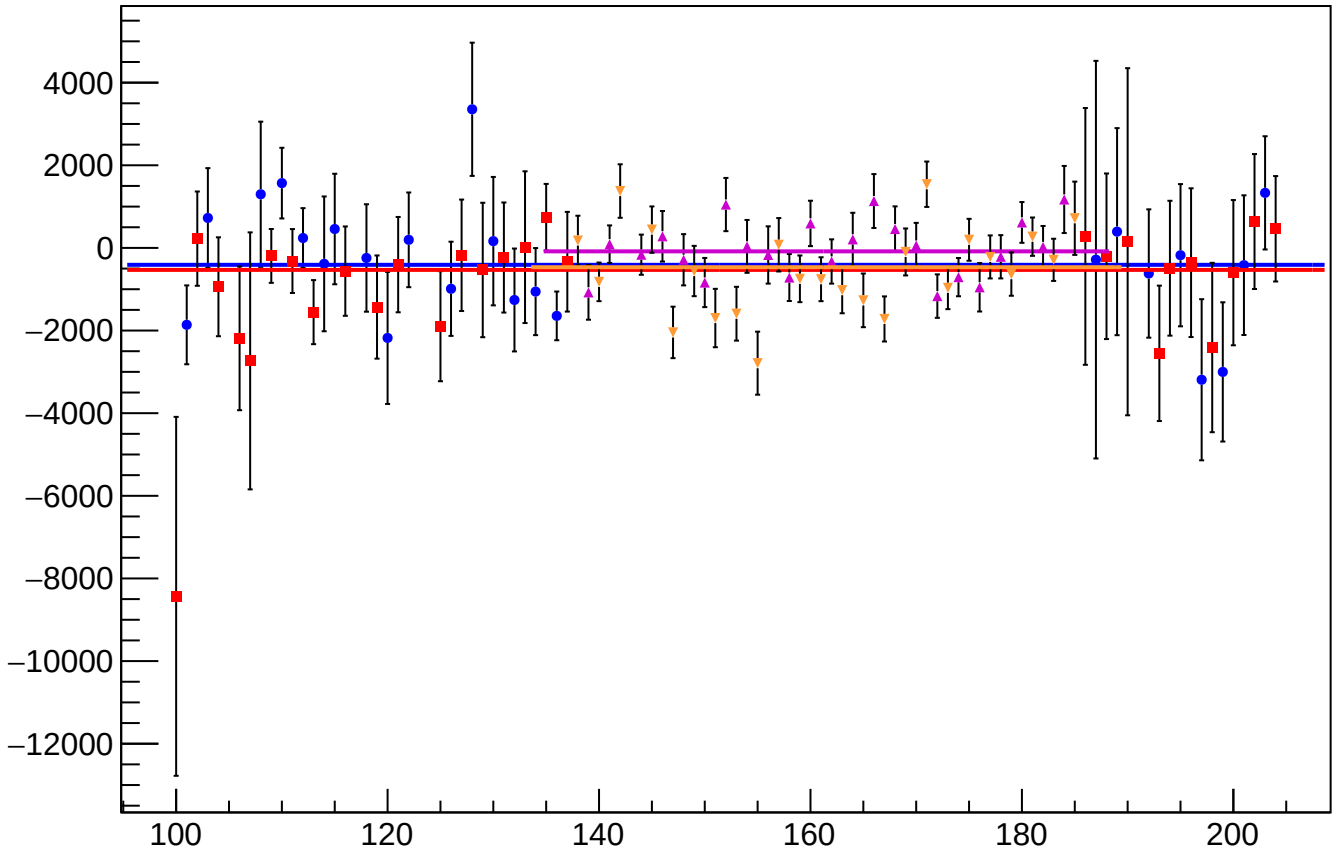
Right Out: 777.485+/-0.142 χ^2/NDF: 21897.5/27

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

+ sign 773.866+/-0.097 χ^2/NDF: 16090.2/47

All: 775.275+/-0.068 χ^2/NDF: 41440.5/98

- sign 776.625+/-0.095 χ^2/NDF: 24937.5/50



Right In: -409.308+/-246.097 χ^2/NDF: 29.5/23

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

Right Out: -531.809+/-239.155 χ^2/NDF: 15.3/27

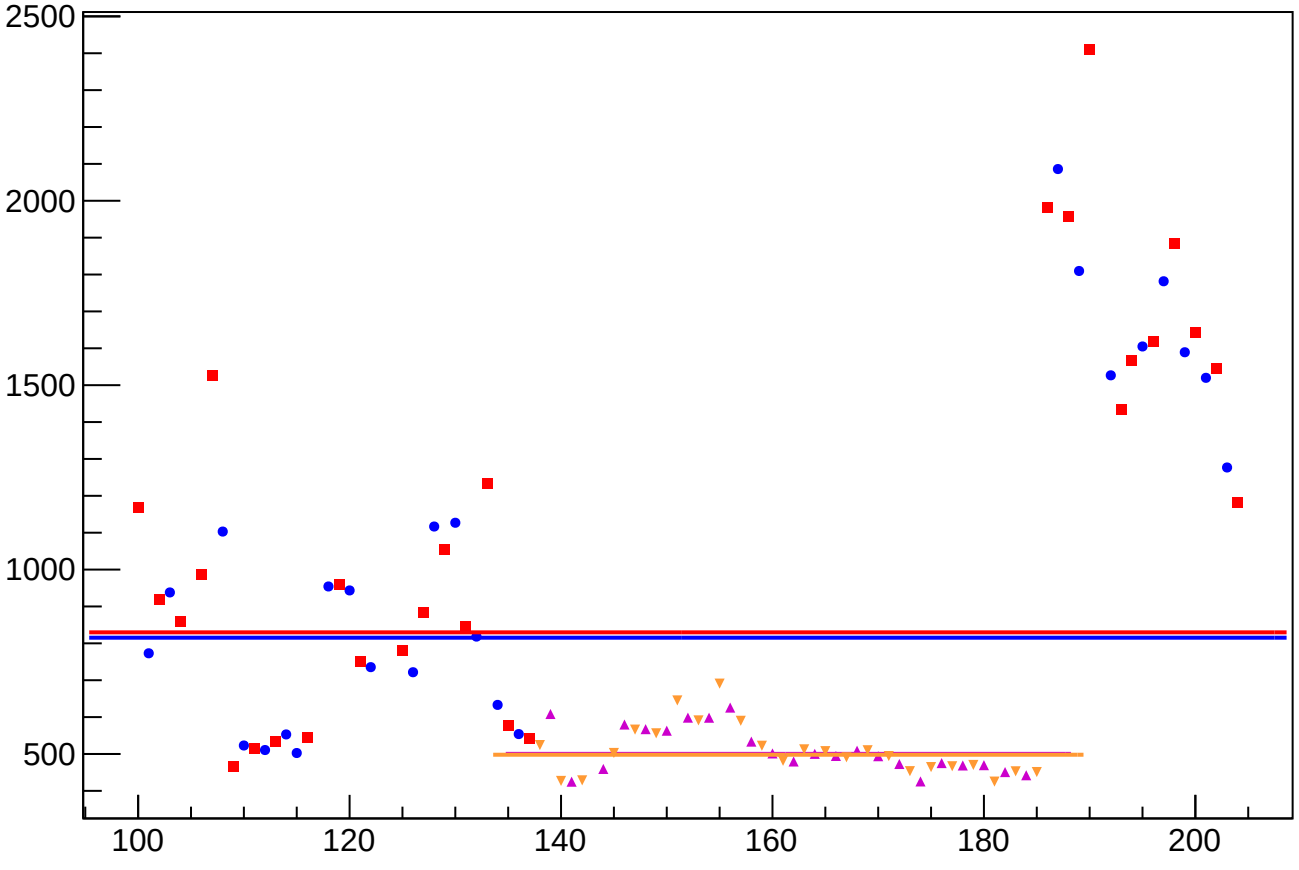
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -456.530+/-105.454 χ^2/NDF: 94.0/47

All: -313.954+/-74.648 χ^2/NDF: 143.9/98

- sign -170.764+/-105.681 χ^2/NDF: 46.2/50

asym_us_dd_reg_correction_rms vs Slug



Right In: 815.309+/-0.174 χ^2/NDF: 4272218.8/23

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

Right Out: 829.807+/-0.169 χ^2/NDF: 5751184.0/27

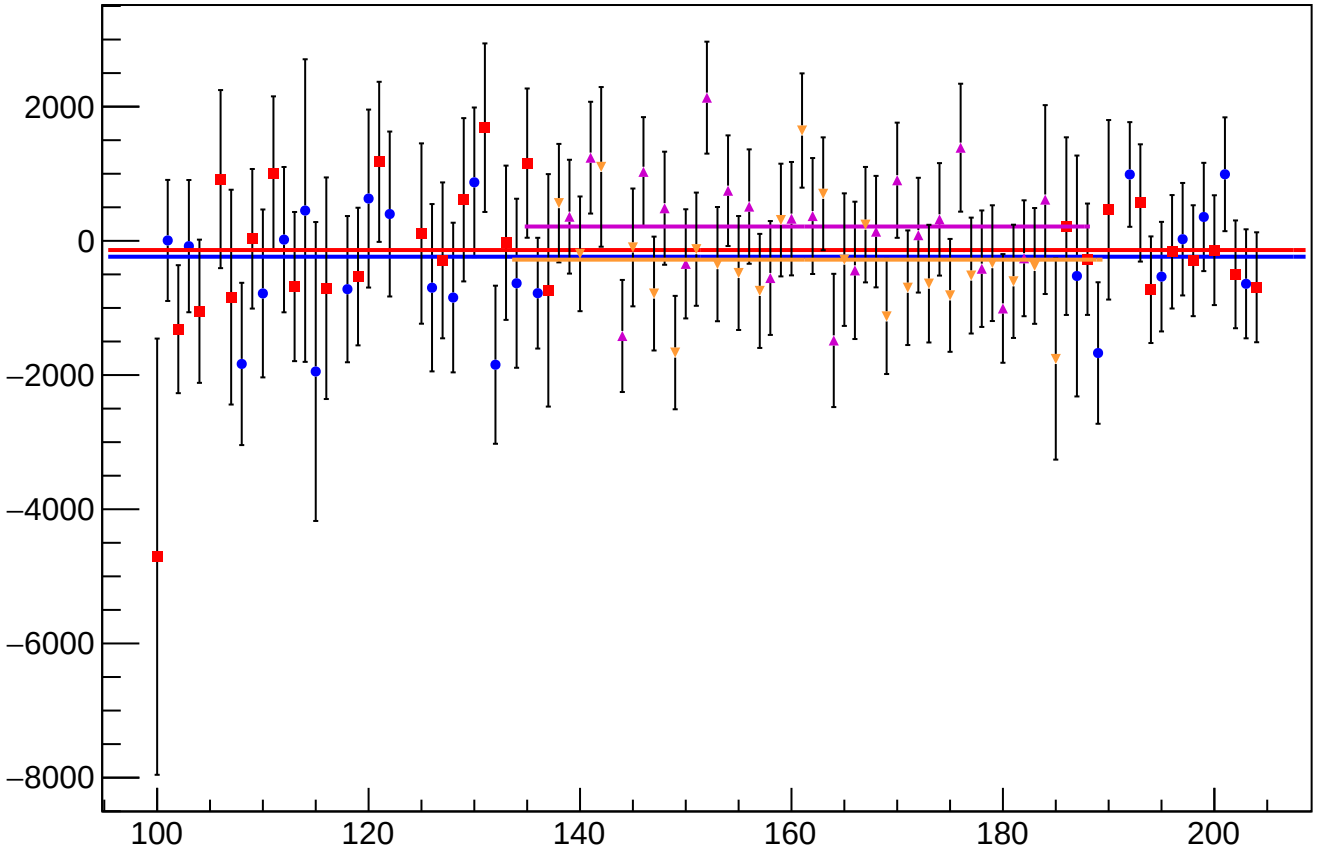
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 556.236+/-0.075 χ^2/NDF: 7514206.0/47

All: 560.433+/-0.053 χ^2/NDF: 16804271.0/98

- sign 564.649+/-0.075 χ^2/NDF: 9283713.8/50

cor_asym_us_dd_mean vs Slug



Right In: -236.546+/-212.257 χ^2/NDF: 15.0/23

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

Right Out: -137.052+/-200.313 χ^2/NDF: 14.0/27

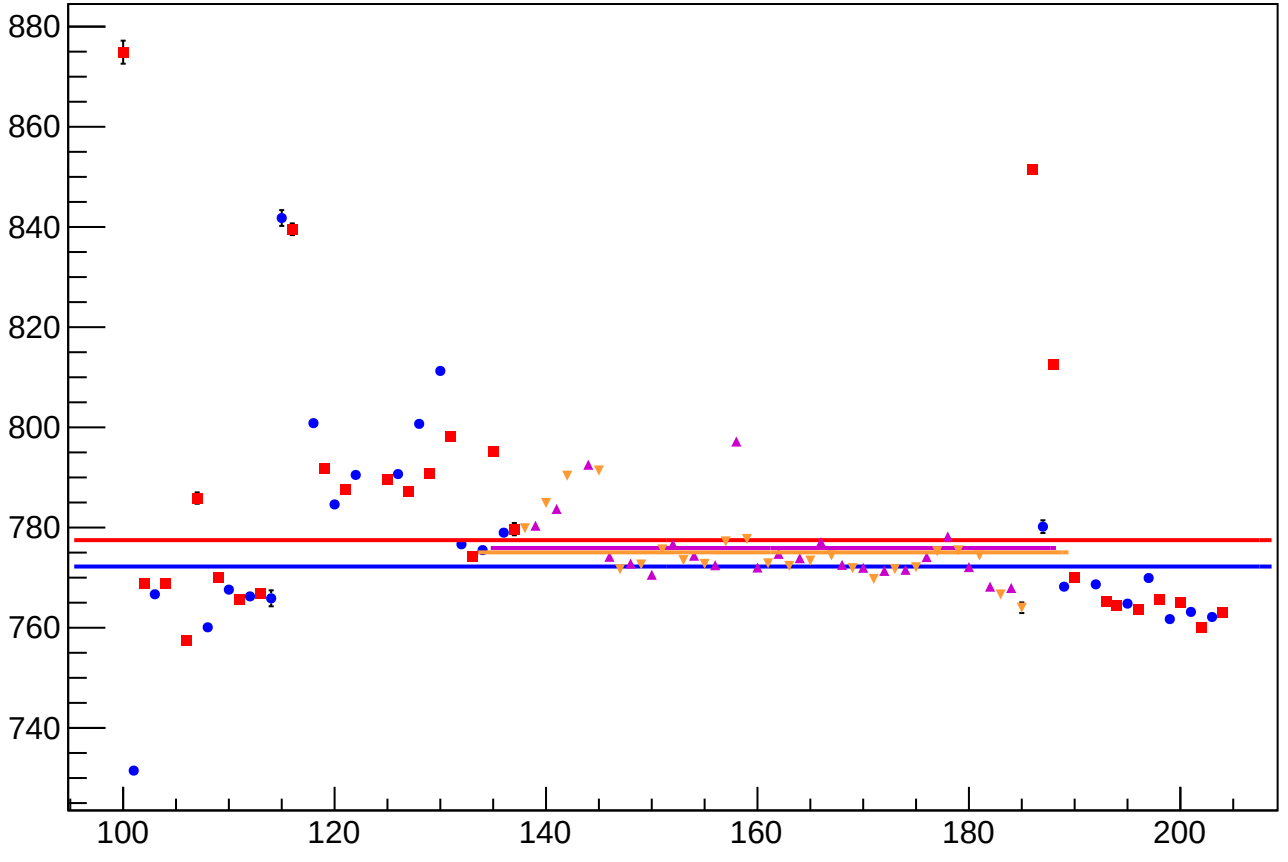
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -262.048+/-137.229 χ^2/NDF: 31.0/47

All: -99.807+/-96.007 χ^2/NDF: 71.9/98

- sign 55.732+/-134.365 χ^2/NDF: 38.1/50

cor_asym_us_dd_rms vs Slug



Right In: 772.219+/-0.150 χ^2/NDF: 13931.9/23

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

Right Out: 777.485+/-0.142 χ^2/NDF: 21897.5/27

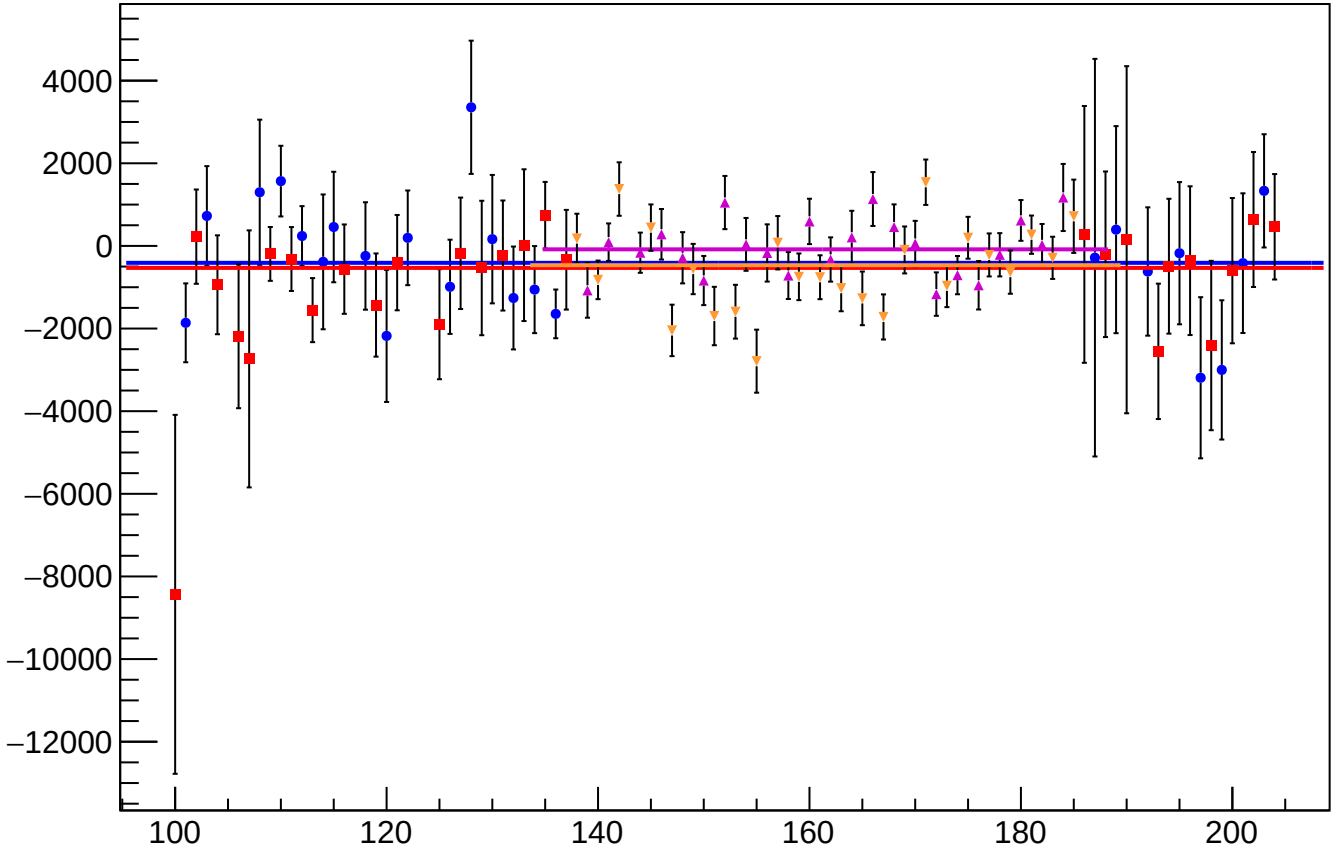
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 773.866+/-0.097 χ^2/NDF: 16090.2/47

All: 775.275+/-0.068 χ^2/NDF: 41440.5/98

- sign 776.625+/-0.095 χ^2/NDF: 24937.5/50

asym_us_dd_cor_correction_mean vs Slug



Right In: -409.308+/-246.097 χ^2/NDF: 29.5/23

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

Right Out: -531.809+/-239.155 χ^2/NDF: 15.3/27

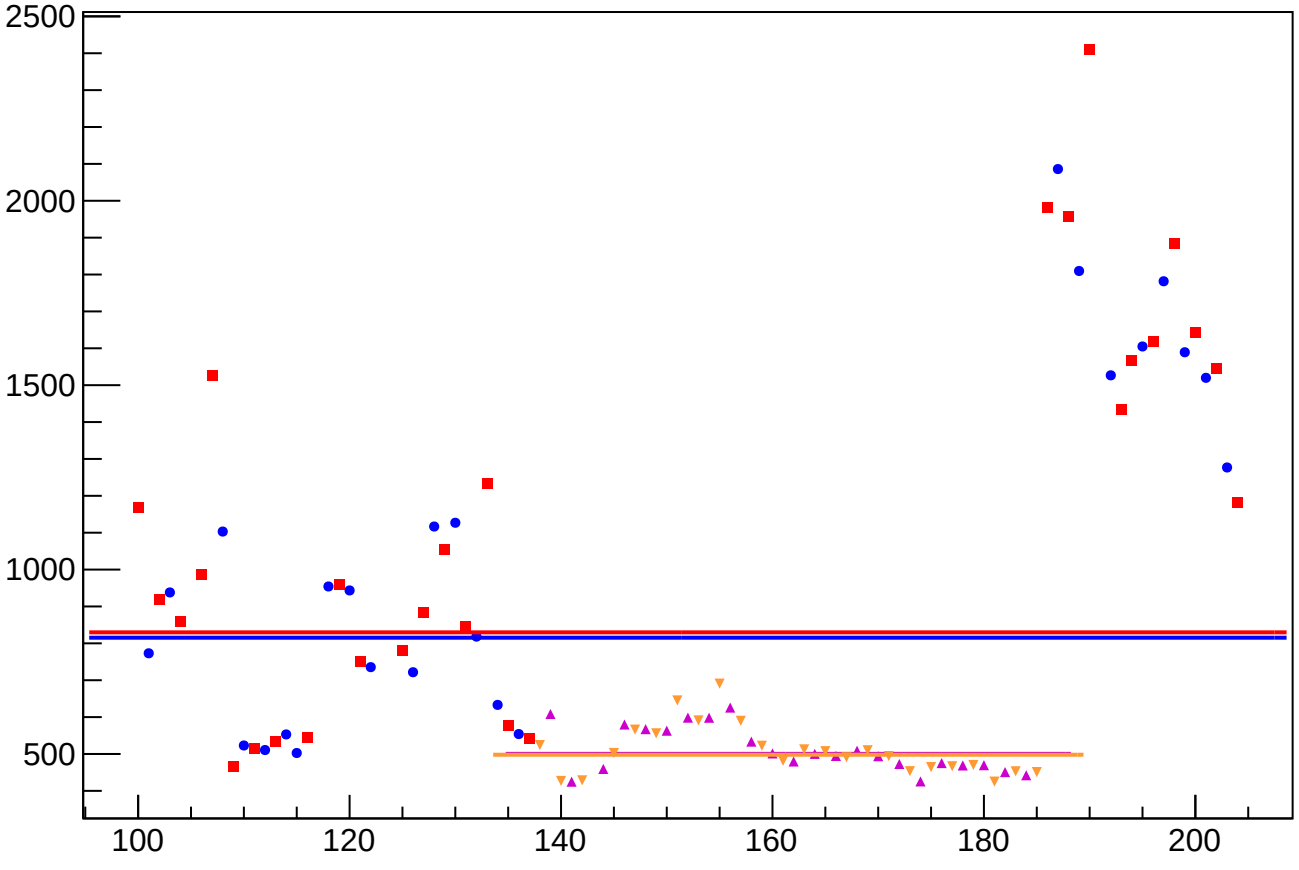
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -456.530+/-105.454 χ^2/NDF: 94.0/47

All: -313.954+/-74.648 χ^2/NDF: 143.9/98

- sign -170.764+/-105.681 χ^2/NDF: 46.2/50

asym_us_dd_cor_correction_rms vs Slug



Right In: 815.309+/-0.174 χ^2/NDF: 4272218.8/23

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

Right Out: 829.807+/-0.169 χ^2/NDF: 5751184.0/27

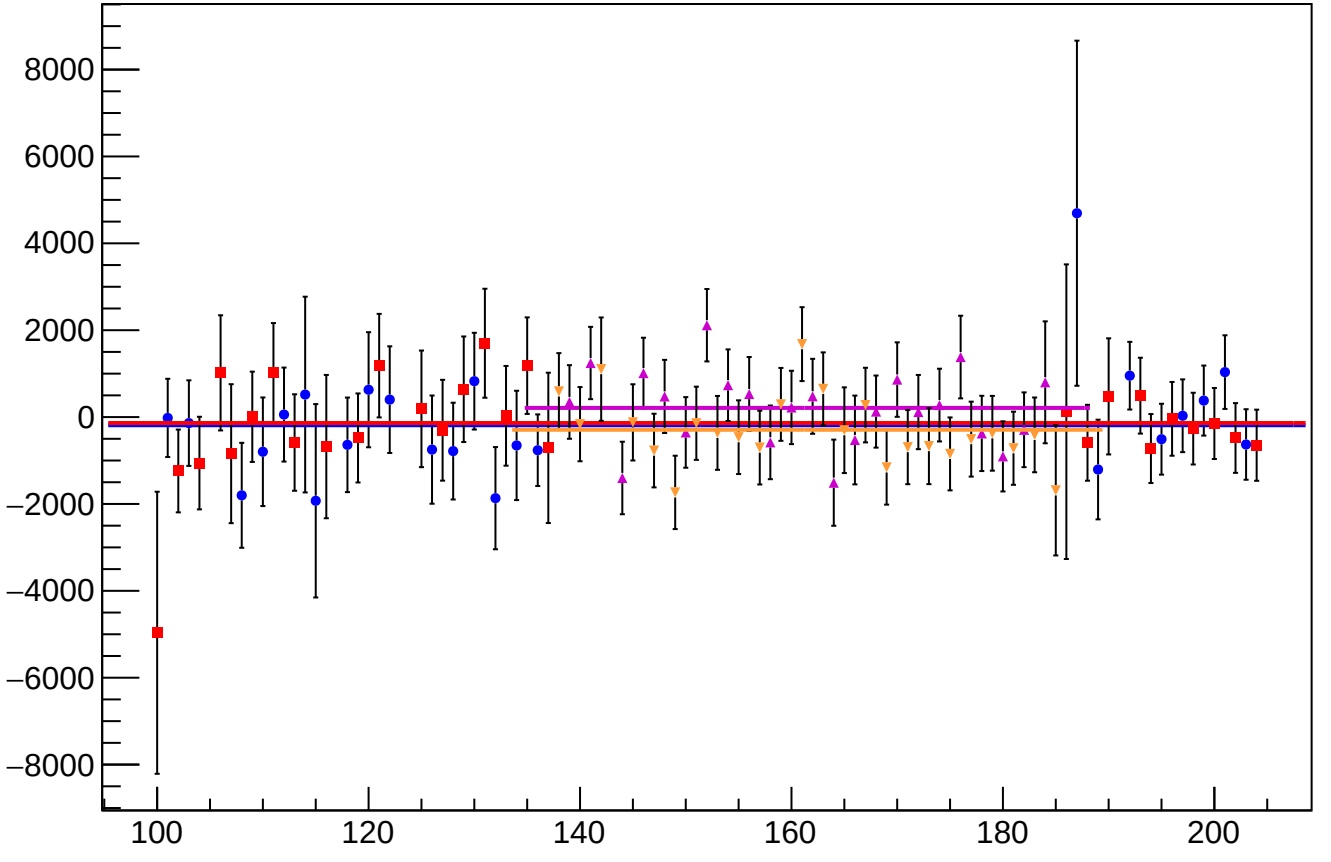
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 556.236+/-0.075 χ^2/NDF: 7514206.0/47

All: 560.433+/-0.053 χ^2/NDF: 16804271.0/98

- sign 564.649+/-0.075 χ^2/NDF: 9283713.8/50

overload_cor_asym_us_dd_mean vs Slug



Right In: -187.591+/-213.950 χ^2/NDF: 15.1/23

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

Right Out: -136.658+/-202.777 χ^2/NDF: 14.2/27

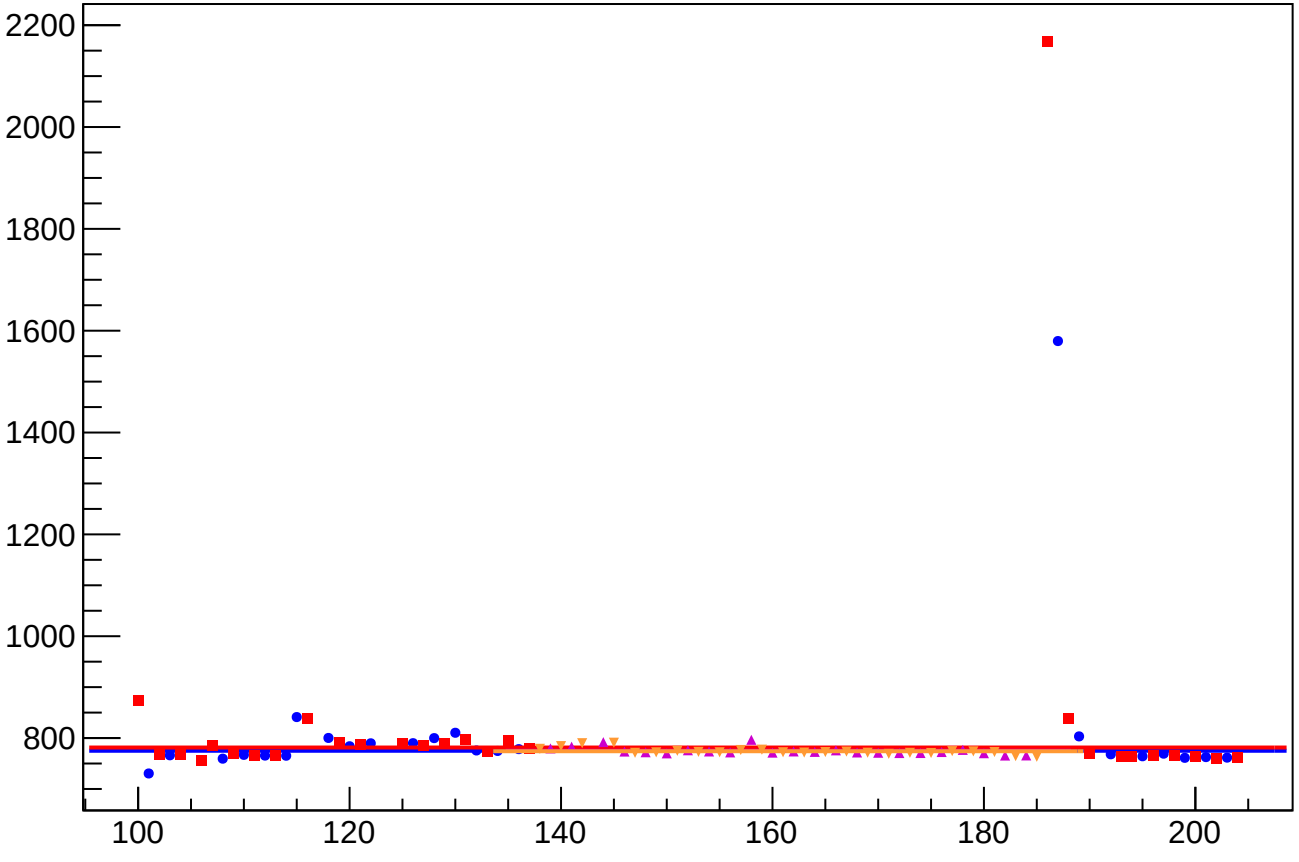
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -248.841+/-137.590 χ^2/NDF: 31.9/47

All: -93.020+/-96.366 χ^2/NDF: 72.4/98

- sign 57.015+/-135.011 χ^2/NDF: 38.0/50

overload_cor_asym_us_dd_rms vs Slug



Right In: 775.041+/-0.151 χ^2/NDF: 97658.4/23

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

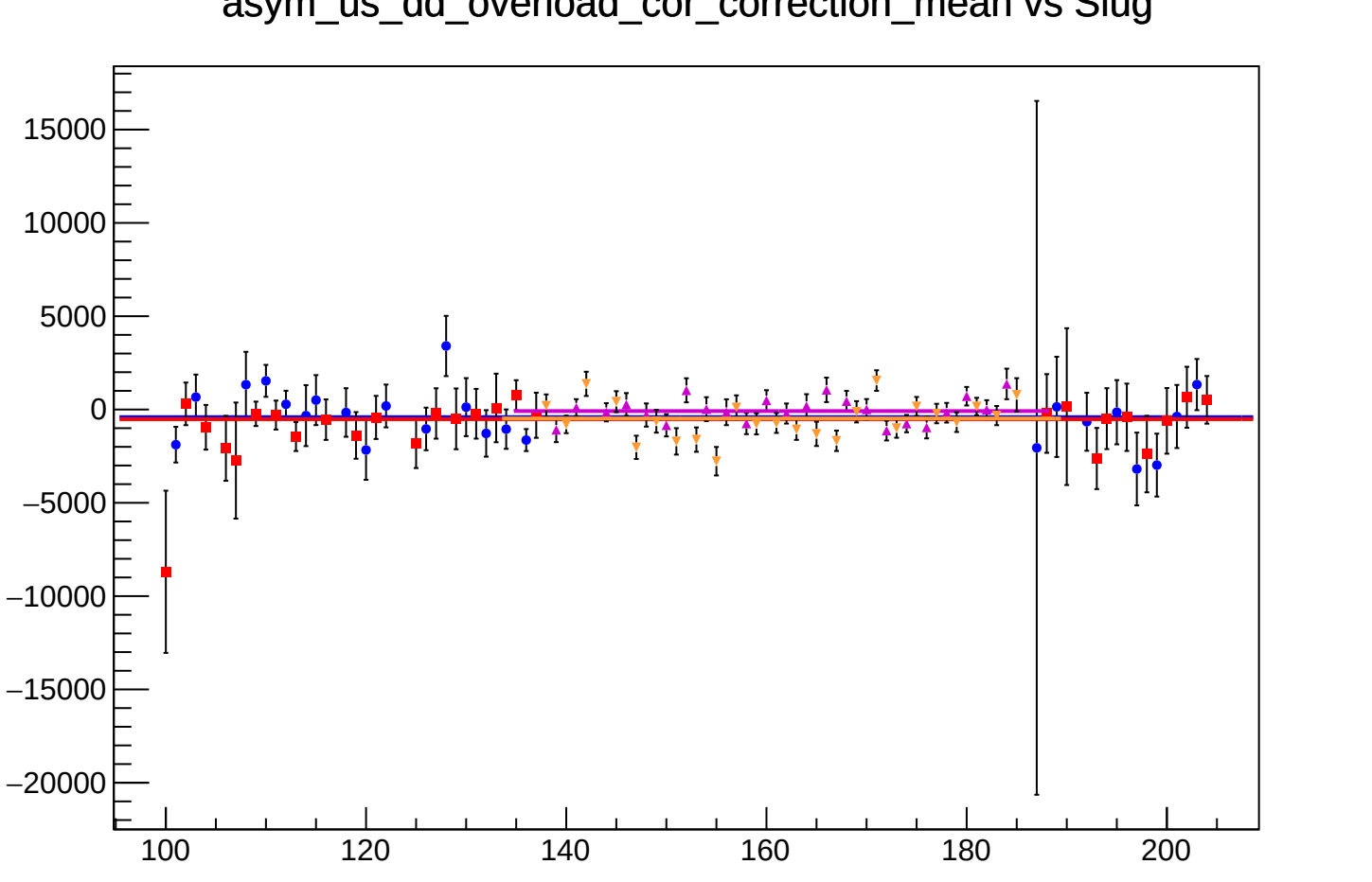
Right Out: 781.402+/-0.143 χ^2/NDF: 356927.4/27

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

+ sign 774.514+/-0.097 χ^2/NDF: 99739.6/47

All: 776.204+/-0.068 χ^2/NDF: 461521.2/98

- sign 777.832+/-0.095 χ^2/NDF: 361189.0/50



Right In: -408.281+/-246.865 χ^2/NDF: 29.5/23

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

Right Out: -517.670+/-240.351 χ^2/NDF: 15.1/26

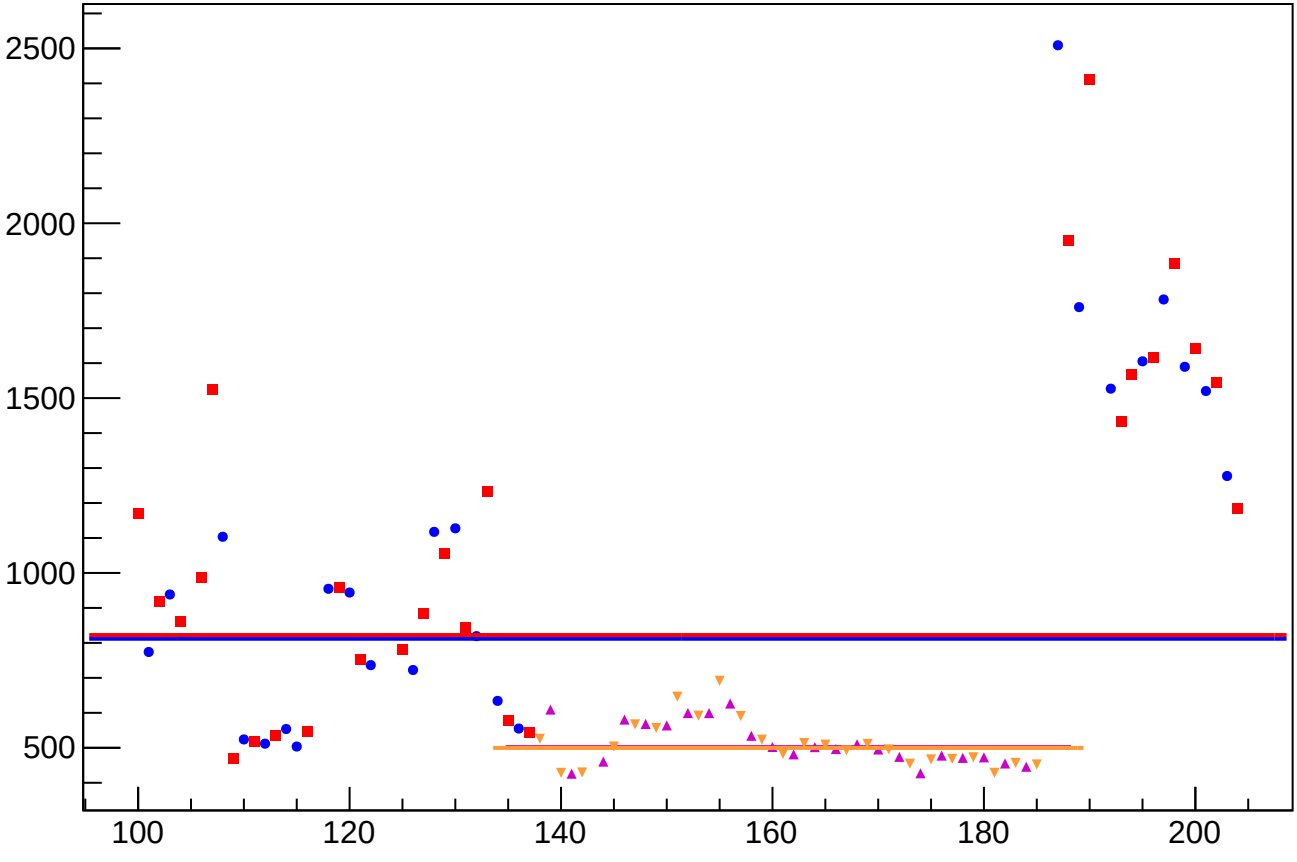
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -467.901+/-105.794 χ^2/NDF: 93.1/47

All: -318.233+/-74.903 χ^2/NDF: 143.0/97

- sign -167.802+/-106.064 χ^2/NDF: 46.0/49

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 811.869+/-0.175 χ^2/NDF: 4069612.1/23

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

Right Out: 822.474+/-0.170 χ^2/NDF: 5384088.2/26

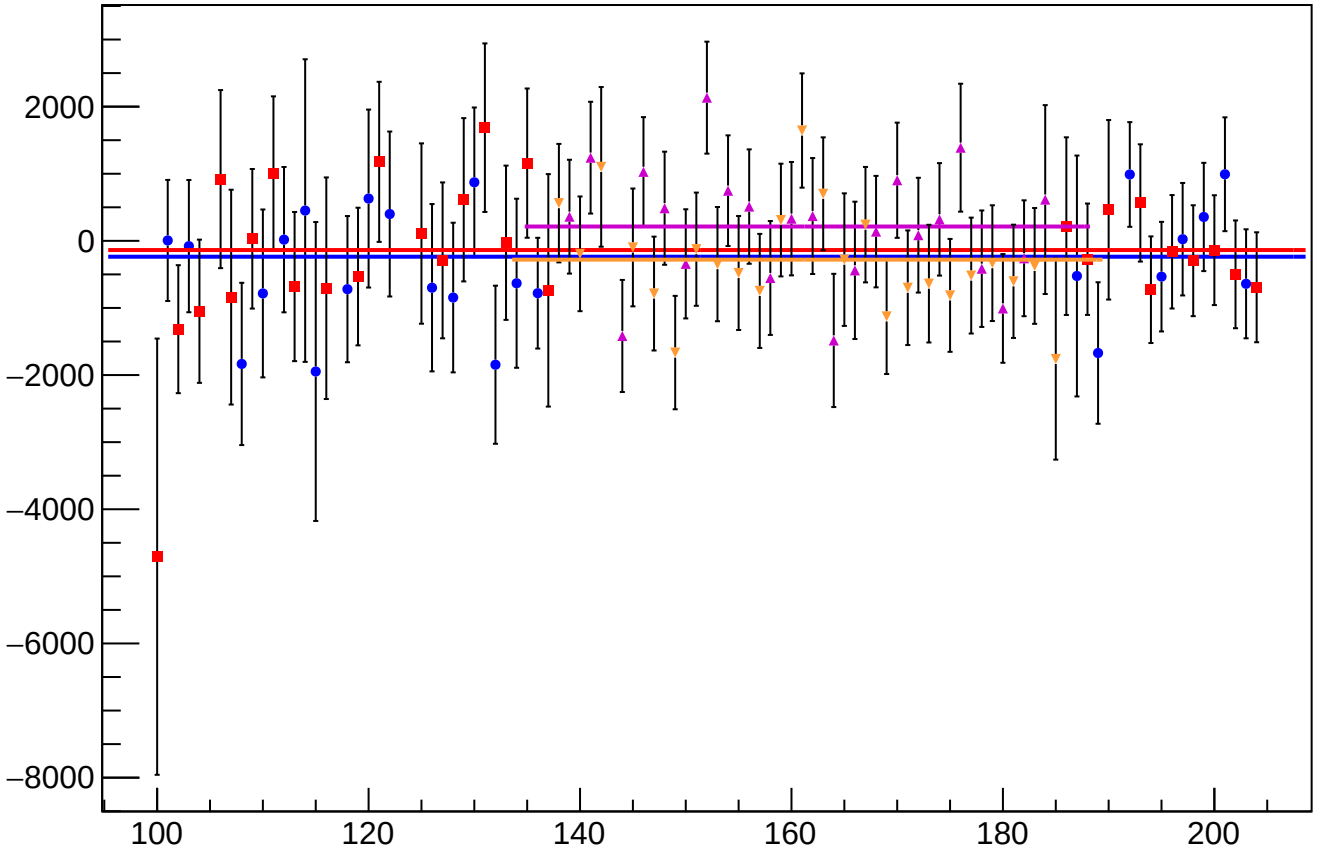
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 557.007+/-0.075 χ^2/NDF: 7197166.6/47

All: 560.708+/-0.053 χ^2/NDF: 15916420.7/97

- sign 564.428+/-0.075 χ^2/NDF: 8714346.5/49

eigen_cor_asym_us_dd_mean vs Slug



Right In: -236.546+/-212.257 χ^2/NDF: 15.0/23

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

Right Out: -137.052+/-200.313 χ^2/NDF: 14.0/27

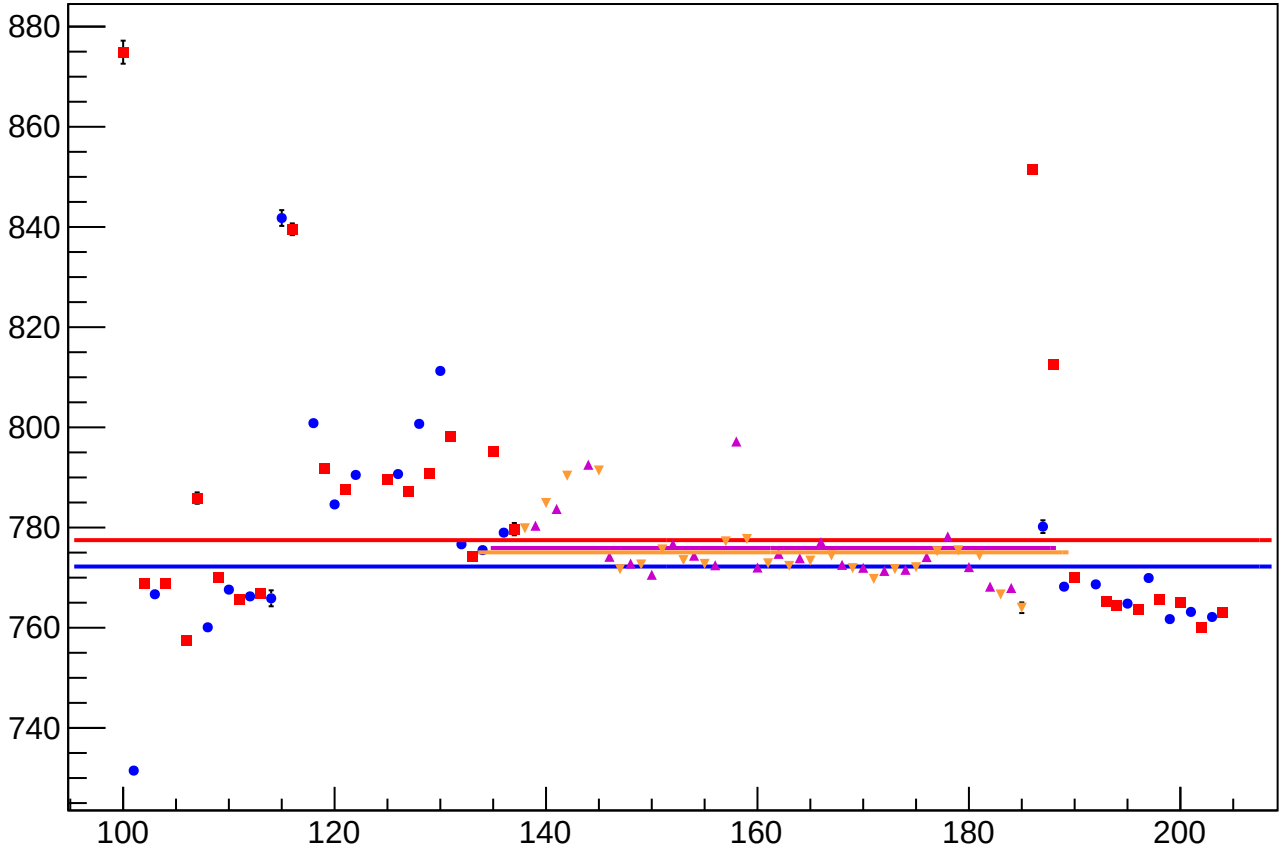
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -262.048+/-137.229 χ^2/NDF: 31.0/47

All: -99.807+/-96.007 χ^2/NDF: 71.9/98

- sign 55.732+/-134.365 χ^2/NDF: 38.1/50

eigen_cor_asym_us_dd_rms vs Slug



Right In: 772.219+/-0.150 χ^2/NDF: 13931.9/23

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

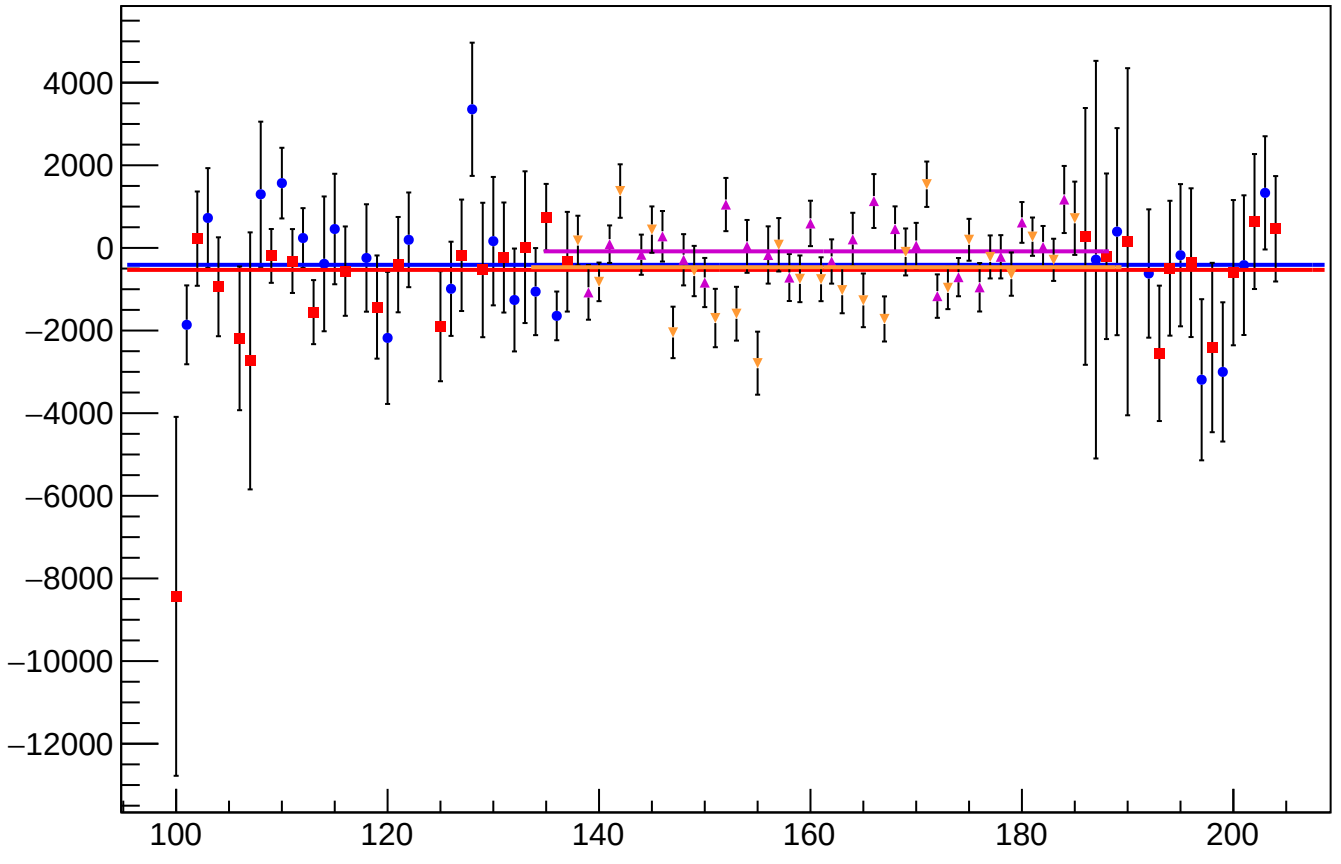
Right Out: 777.485+/-0.142 χ^2/NDF: 21897.5/27

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

+ sign 773.866+/-0.097 χ^2/NDF: 16090.2/47

All: 775.275+/-0.068 χ^2/NDF: 41440.5/98

- sign 776.625+/-0.095 χ^2/NDF: 24937.5/50



Right In: -409.308+/-246.097 χ^2/NDF: 29.5/23

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

Right Out: -531.809+/-239.155 χ^2/NDF: 15.3/27

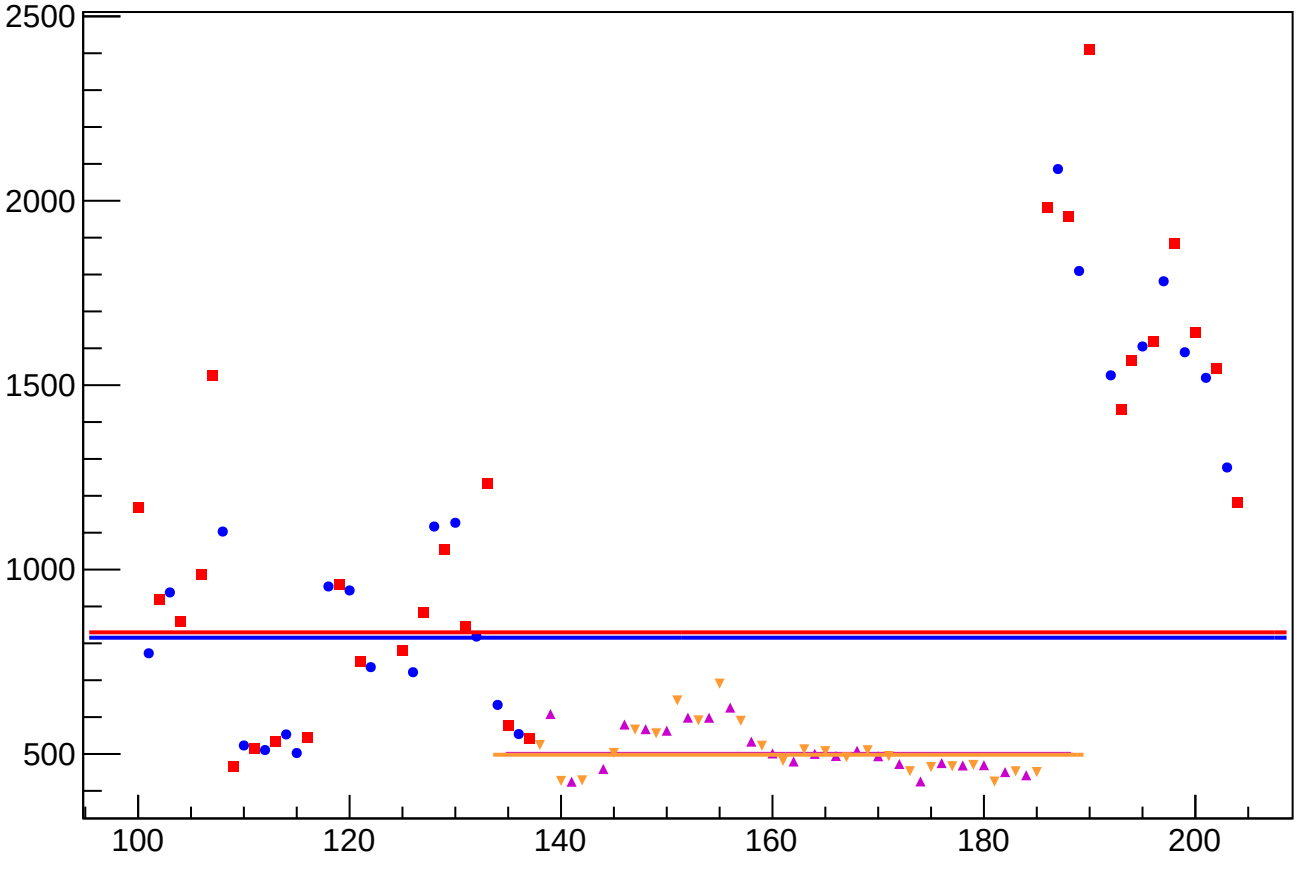
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -456.530+/-105.454 χ^2/NDF: 94.0/47

All: -313.954+/-74.648 χ^2/NDF: 143.9/98

- sign -170.764+/-105.681 χ^2/NDF: 46.2/50

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 815.309+/-0.174 χ^2/NDF: 4272218.8/23

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

Right Out: 829.807+/-0.169 χ^2/NDF: 5751184.0/27

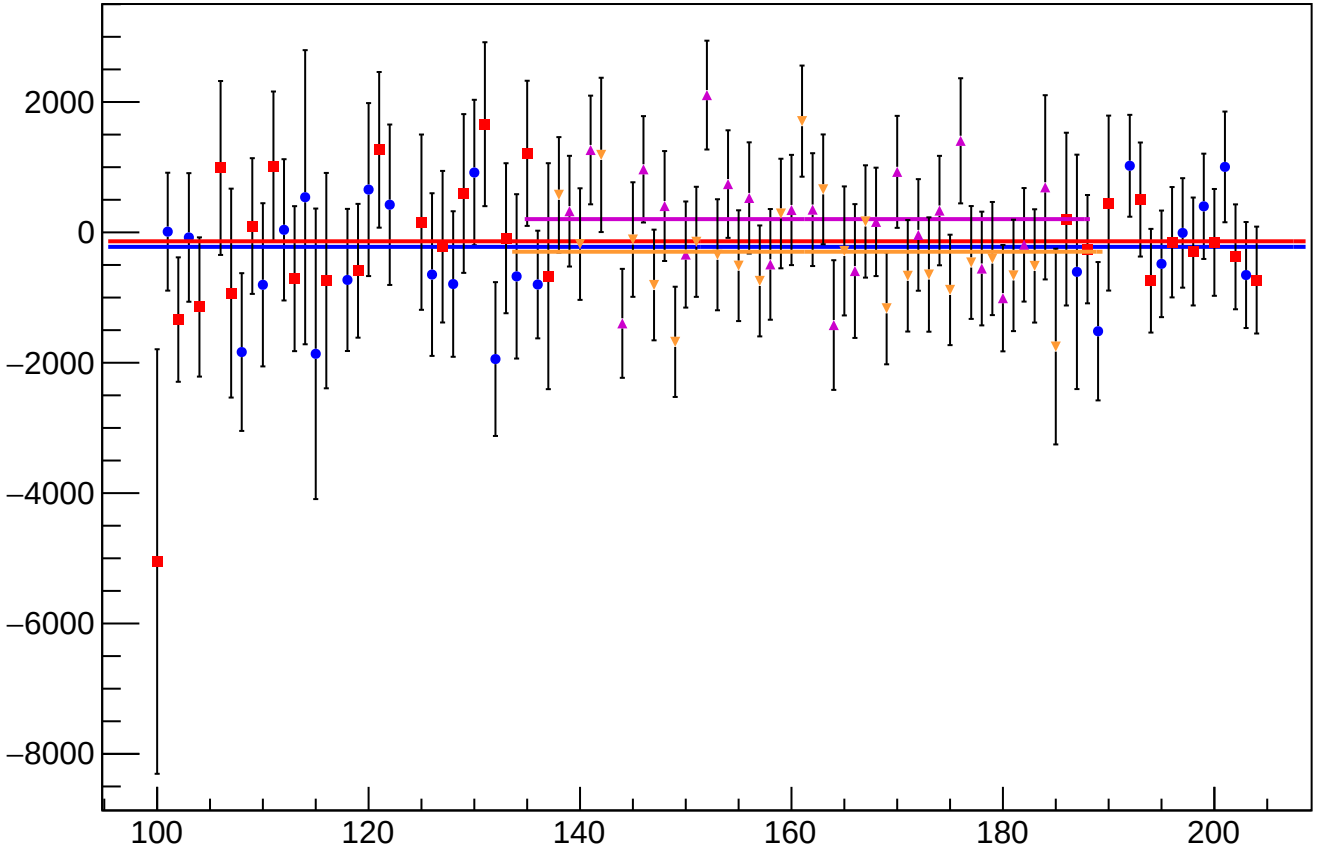
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 556.236+/-0.075 χ^2/NDF: 7514206.0/47

All: 560.433+/-0.053 χ^2/NDF: 16804271.0/98

- sign 564.649+/-0.075 χ^2/NDF: 9283713.8/50

dit_asym_us_dd_mean vs Slug



Right In: -222.195+/-212.552 χ^2/NDF: 15.1/23

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

Right Out: -136.897+/-200.551 χ^2/NDF: 14.8/27

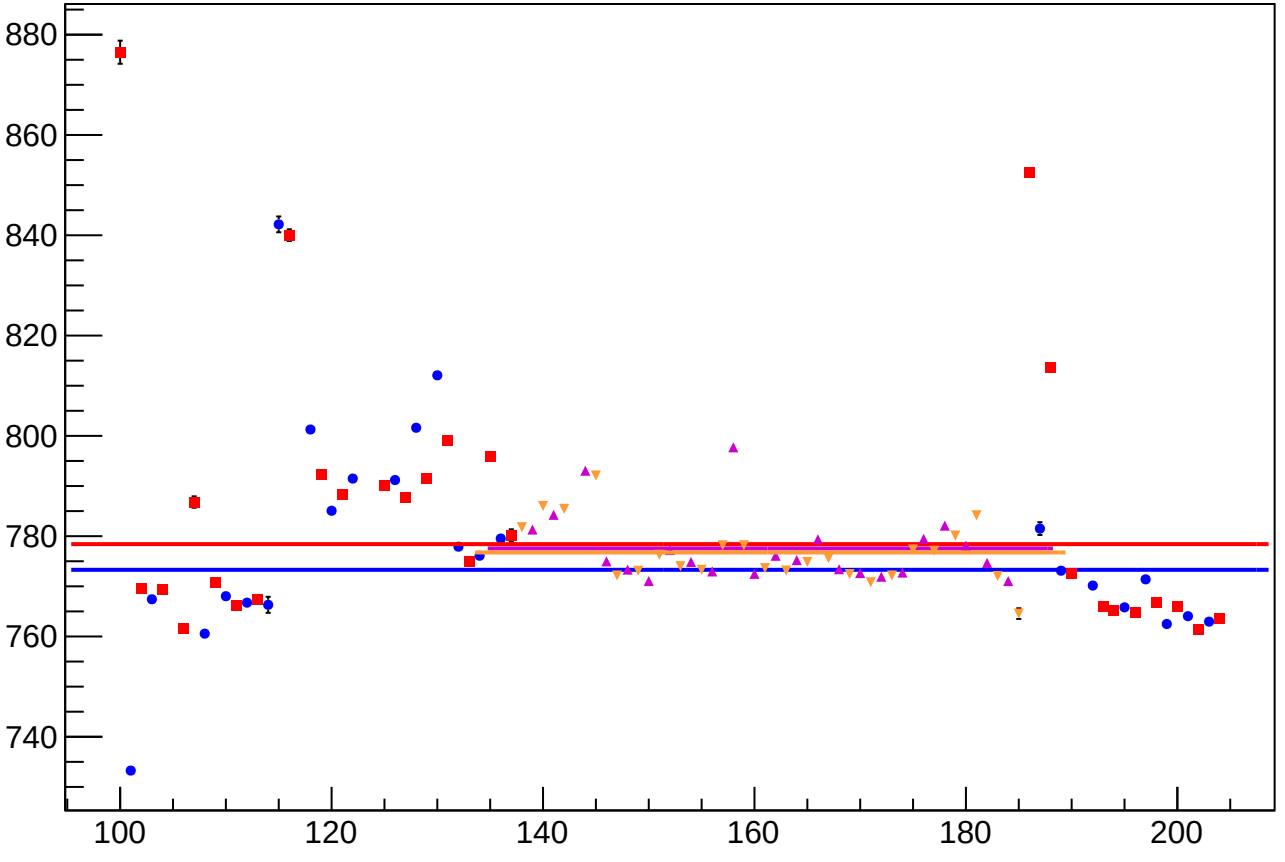
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -265.568+/-137.487 χ^2/NDF: 31.9/47

All: -104.376+/-96.178 χ^2/NDF: 73.0/98

- sign 50.100+/-134.592 χ^2/NDF: 38.5/50

dit_asym_us_dd_rms vs Slug



Right In: 773.295+/-0.150 χ^2/NDF: 13602.6/23

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

Right Out: 778.414+/-0.142 χ^2/NDF: 21670.8/27

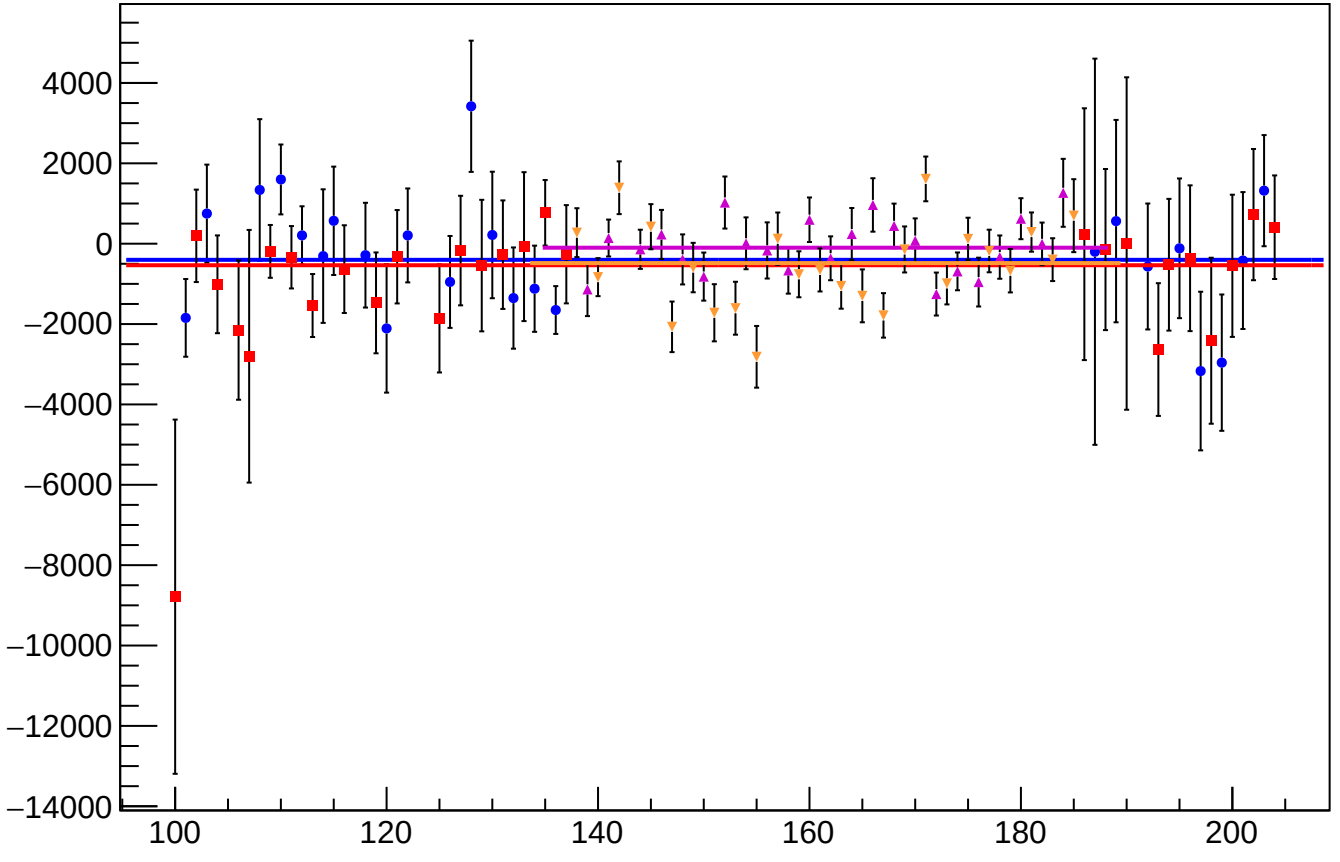
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 775.305+/-0.097 χ^2/NDF: 15736.5/47

All: 776.650+/-0.068 χ^2/NDF: 40553.2/98

- sign 777.939+/-0.095 χ^2/NDF: 24441.9/50

asym_us_dd_dit_correction_mean vs Slug



Right In: -401.531+/-248.466 χ^2/NDF: 29.3/23

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

Right Out: -536.304+/-241.166 χ^2/NDF: 15.5/27

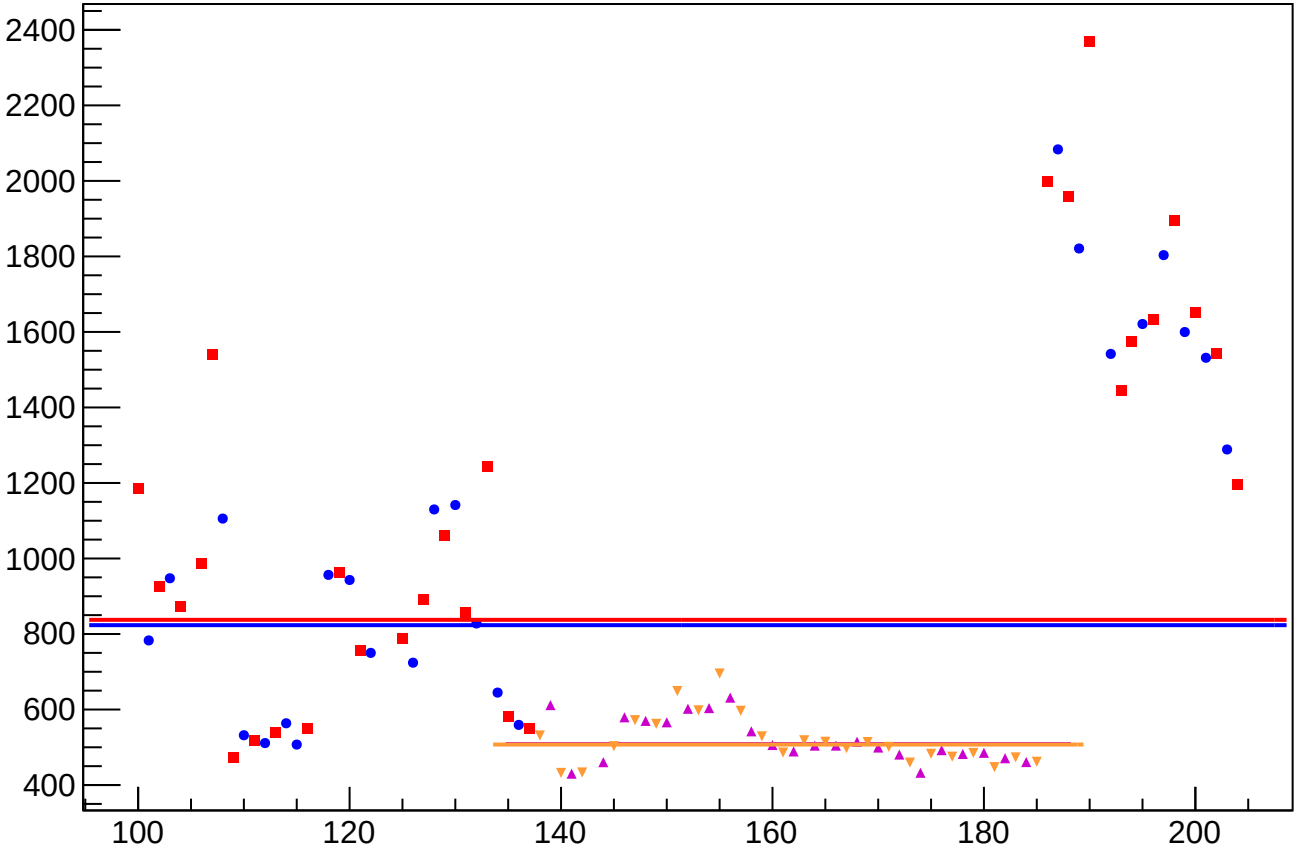
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -467.747+/-107.183 χ^2/NDF: 94.5/47

All: -327.000+/-75.797 χ^2/NDF: 143.5/98

- sign -186.200+/-107.203 χ^2/NDF: 45.5/50

asym_us_dd_dit_correction_rms vs Slug



Right In: 823.421+/-0.176 χ^2/NDF: 4264927.1/23

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

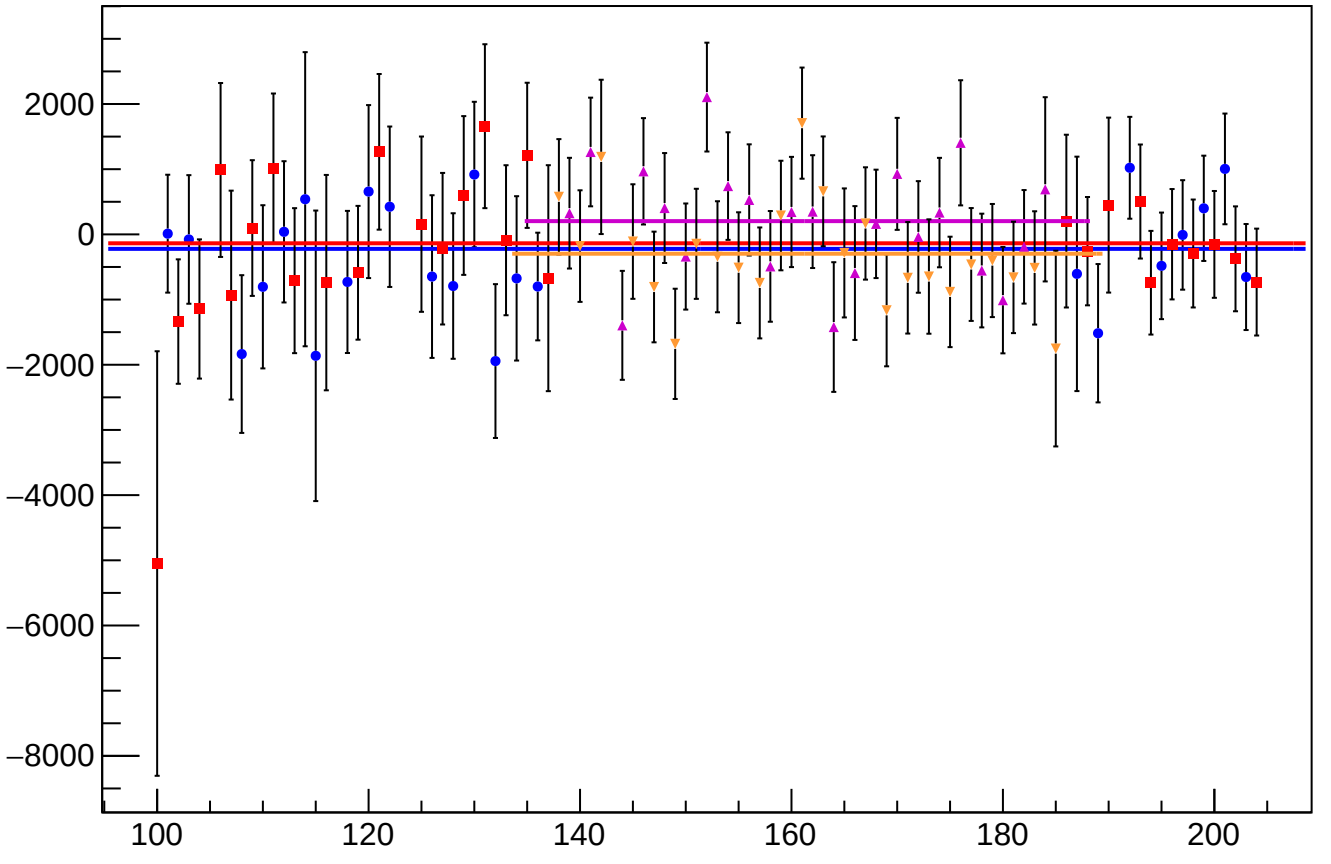
Right Out: 837.543+/-0.171 χ^2/NDF: 5712511.1/27

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

+ sign 566.142+/-0.076 χ^2/NDF: 7373596.8/47

All: 569.884+/-0.054 χ^2/NDF: 16508335.8/98

- sign 573.629+/-0.076 χ^2/NDF: 9129860.2/50



Right In: -222.194+/-212.552 χ^2/NDF: 15.1/23

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

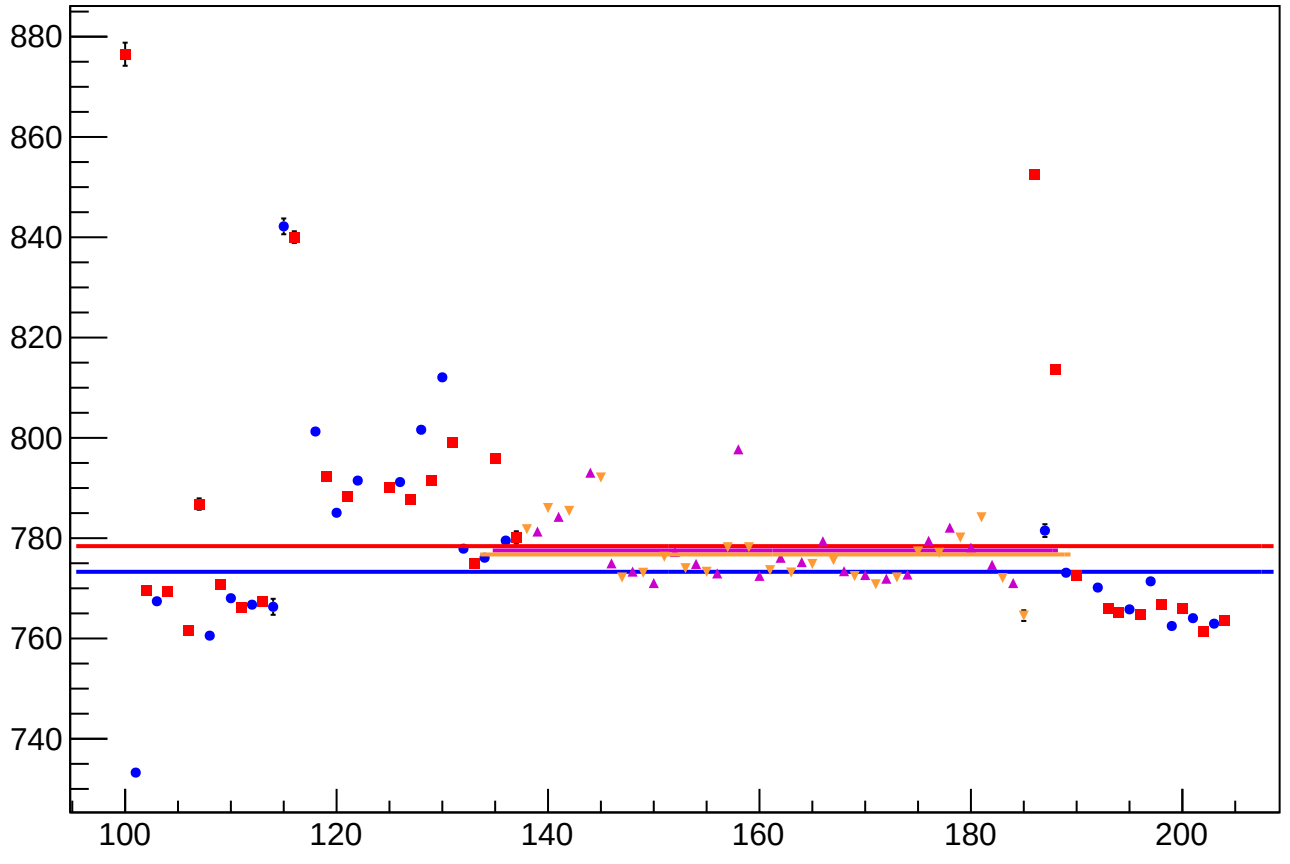
Right Out: -136.897+/-200.551 χ^2/NDF: 14.8/27

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

+ sign -265.568+/-137.487 χ^2/NDF: 31.9/47

All: -104.376+/-96.178 χ^2/NDF: 73.0/98

- sign 50.100+/-134.592 χ^2/NDF: 38.5/50



Right In: 773.295+/-0.150 χ^2/NDF: 13602.6/23

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

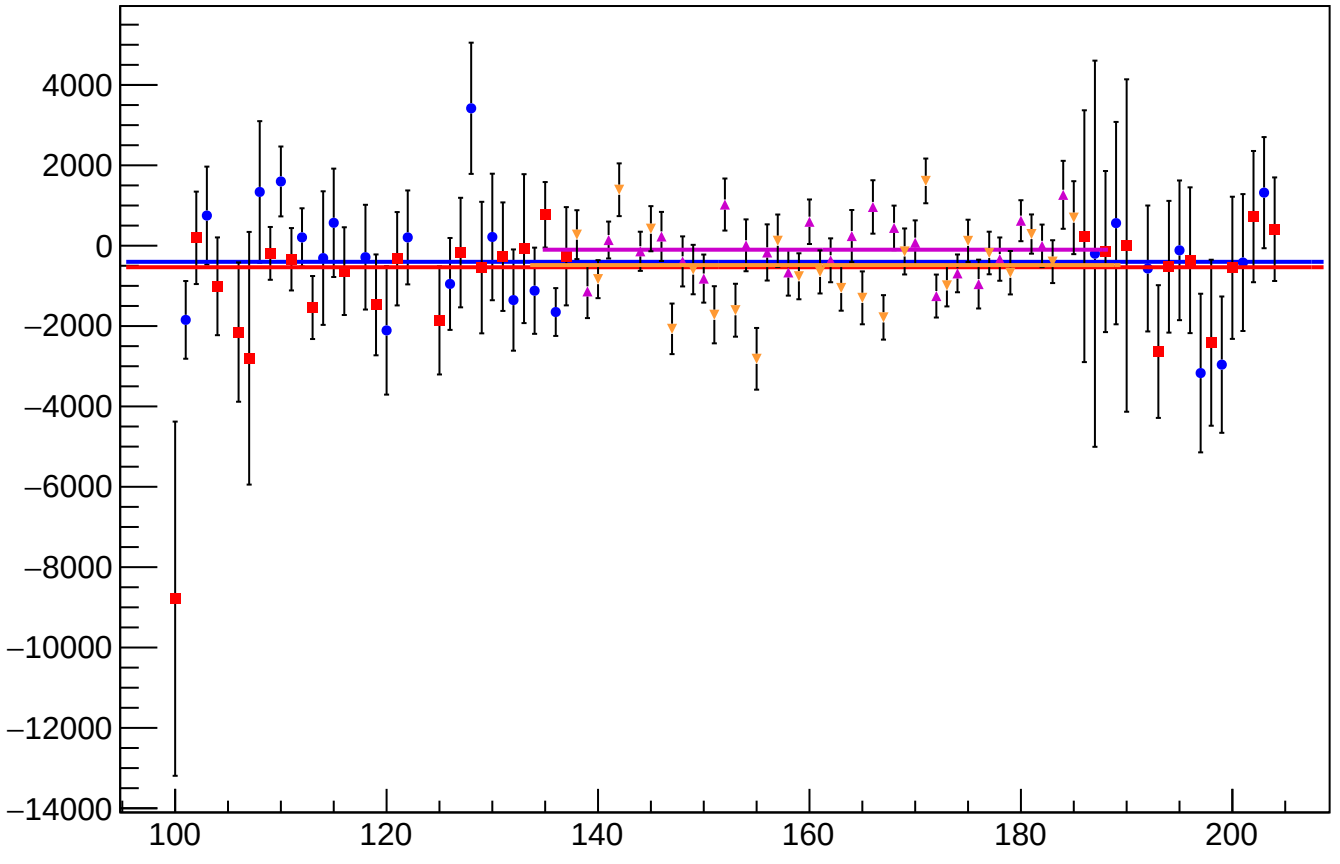
Right Out: 778.414+/-0.142 χ^2/NDF: 21670.7/27

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

+ sign 775.305+/-0.097 χ^2/NDF: 15736.4/47

All: 776.650+/-0.068 χ^2/NDF: 40553.2/98

- sign 777.939+/-0.095 χ^2/NDF: 24441.9/50



Right In: -401.527+/-248.465 χ^2/NDF: 29.3/23

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

Right Out: -536.303+/-241.165 χ^2/NDF: 15.5/27

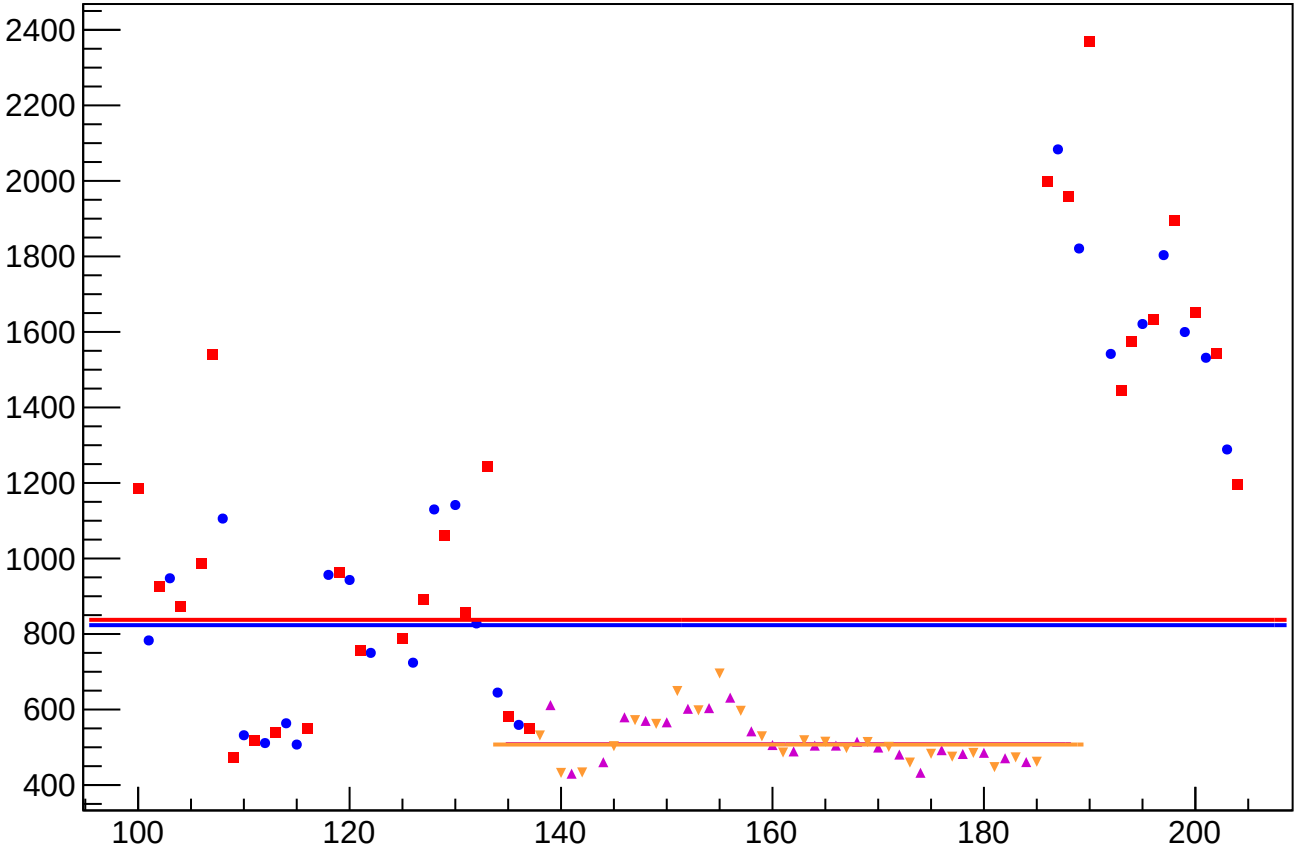
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -467.746+/-107.183 χ^2/NDF: 94.5/47

All: -326.999+/-75.797 χ^2/NDF: 143.5/98

- sign -186.201+/-107.203 χ^2/NDF: 45.5/50

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 823.417+/-0.176 χ^2/NDF: 4264971.6/23

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

Right Out: 837.539+/-0.171 χ^2/NDF: 5712566.9/27

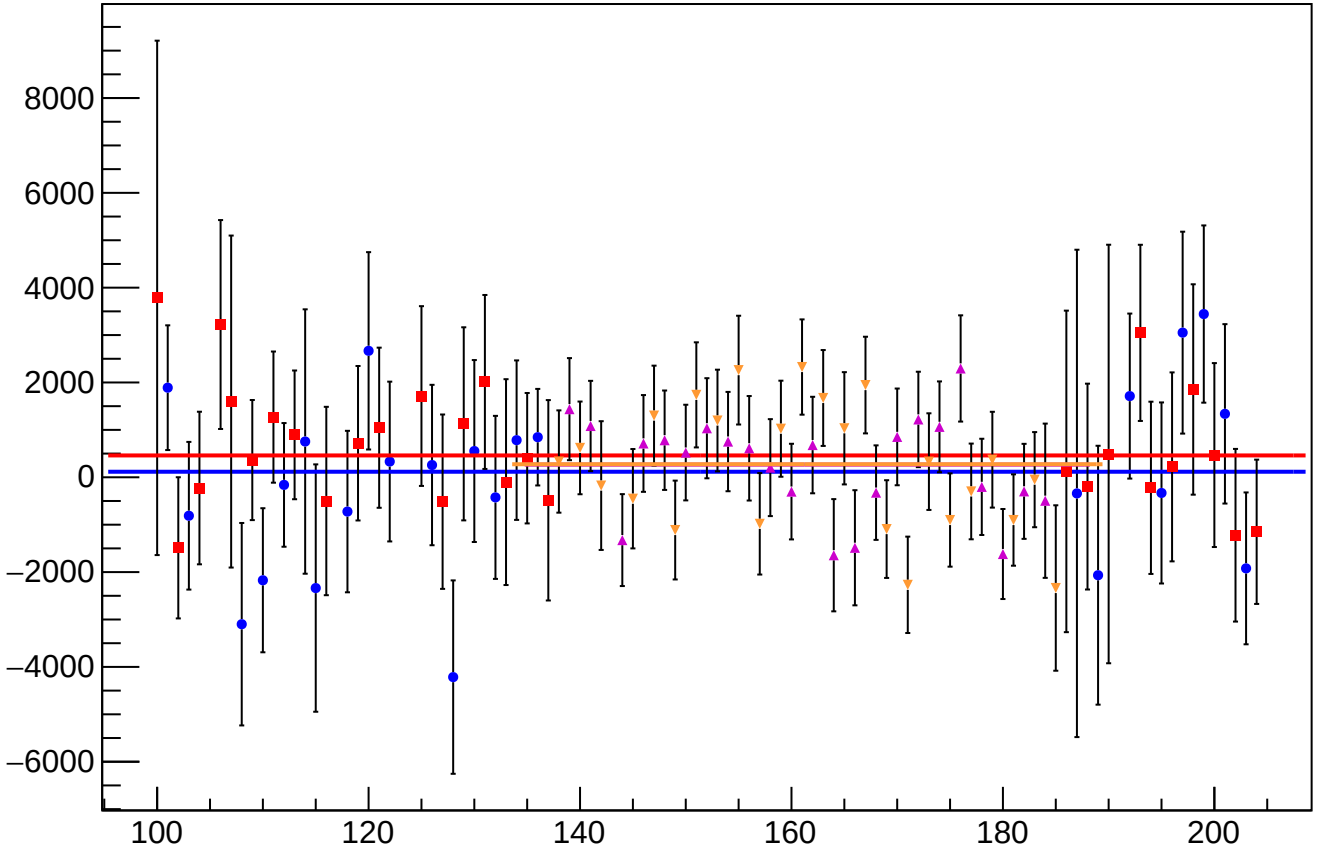
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

+ sign 566.141+/-0.076 χ^2/NDF: 7373598.1/47

All: 569.884+/-0.054 χ^2/NDF: 16508357.0/98

- sign 573.628+/-0.076 χ^2/NDF: 9129880.5/50

asym_us_dd_mean vs Slug



Right In: 116.987+/-355.735 χ^2/NDF: 23.4/23

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

Right Out: 460.908+/-347.094 χ^2/NDF: 11.1/27

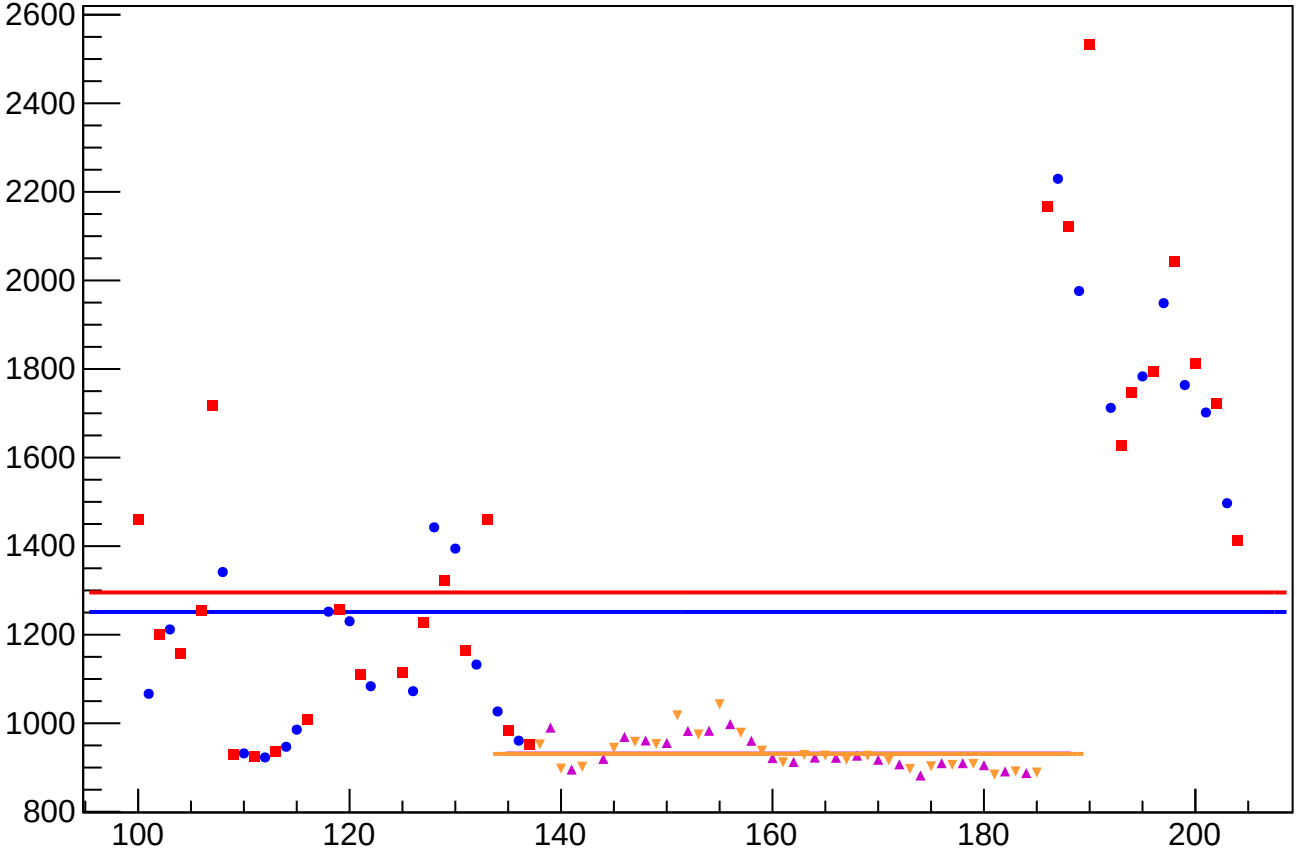
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

\+ sign 232.485+/-184.811 χ^2/NDF: 57.2/47

All: 277.229+/-130.541 χ^2/NDF: 90.1/98

\- sign 321.782+/-184.417 χ^2/NDF: 32.7/50

asym_us_dd_rms vs Slug



Right In: 1251.399+/-0.252 χ^2/NDF: 1617123.7/23

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

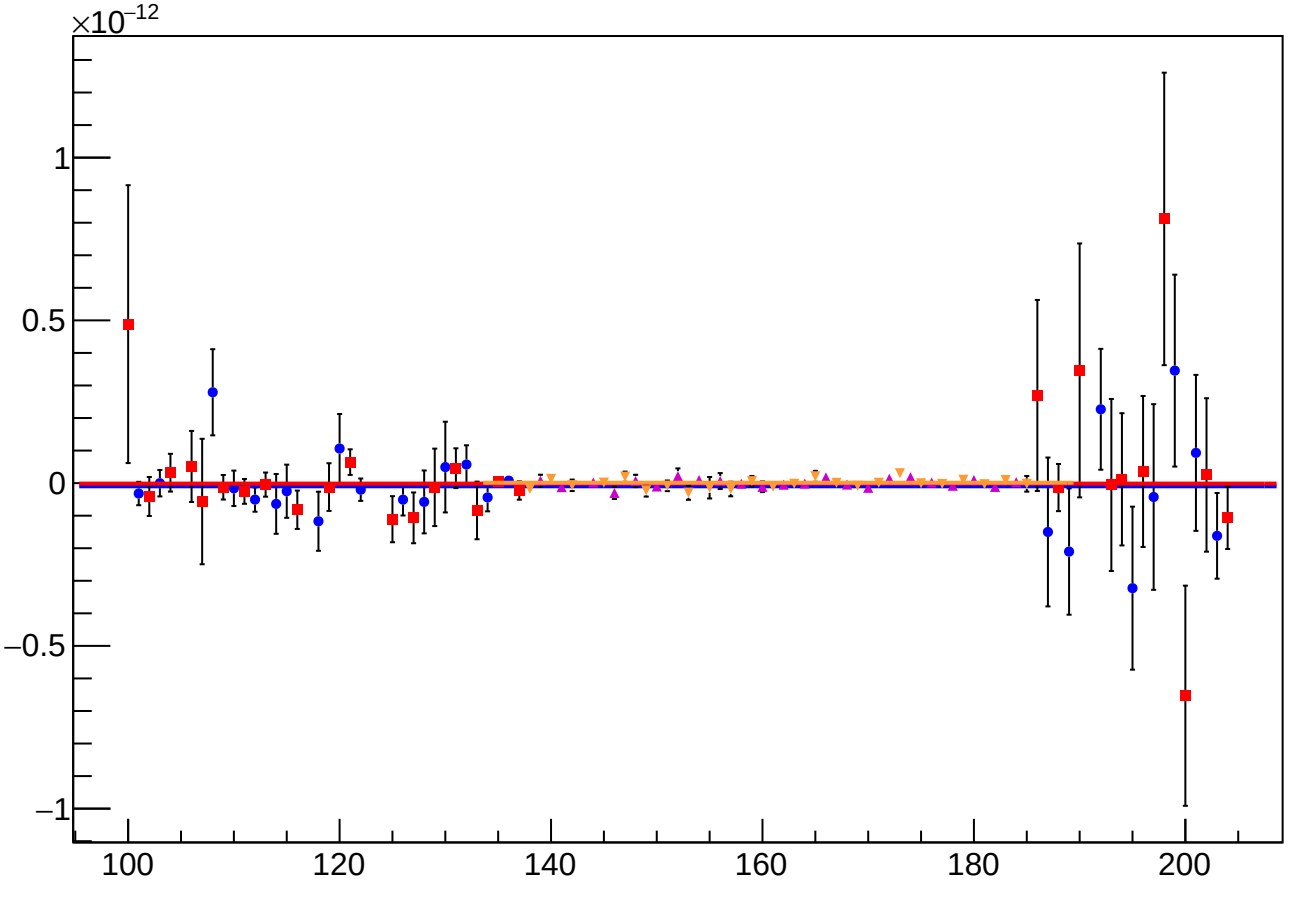
Right Out: 1295.421+/-0.245 χ^2/NDF: 2153352.4/27

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

+ sign 1017.418+/-0.131 χ^2/NDF: 2864170.0/47

All: 1025.866+/-0.092 χ^2/NDF: 6652196.2/98

- sign 1034.279+/-0.130 χ^2/NDF: 3779685.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 21.5/23

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

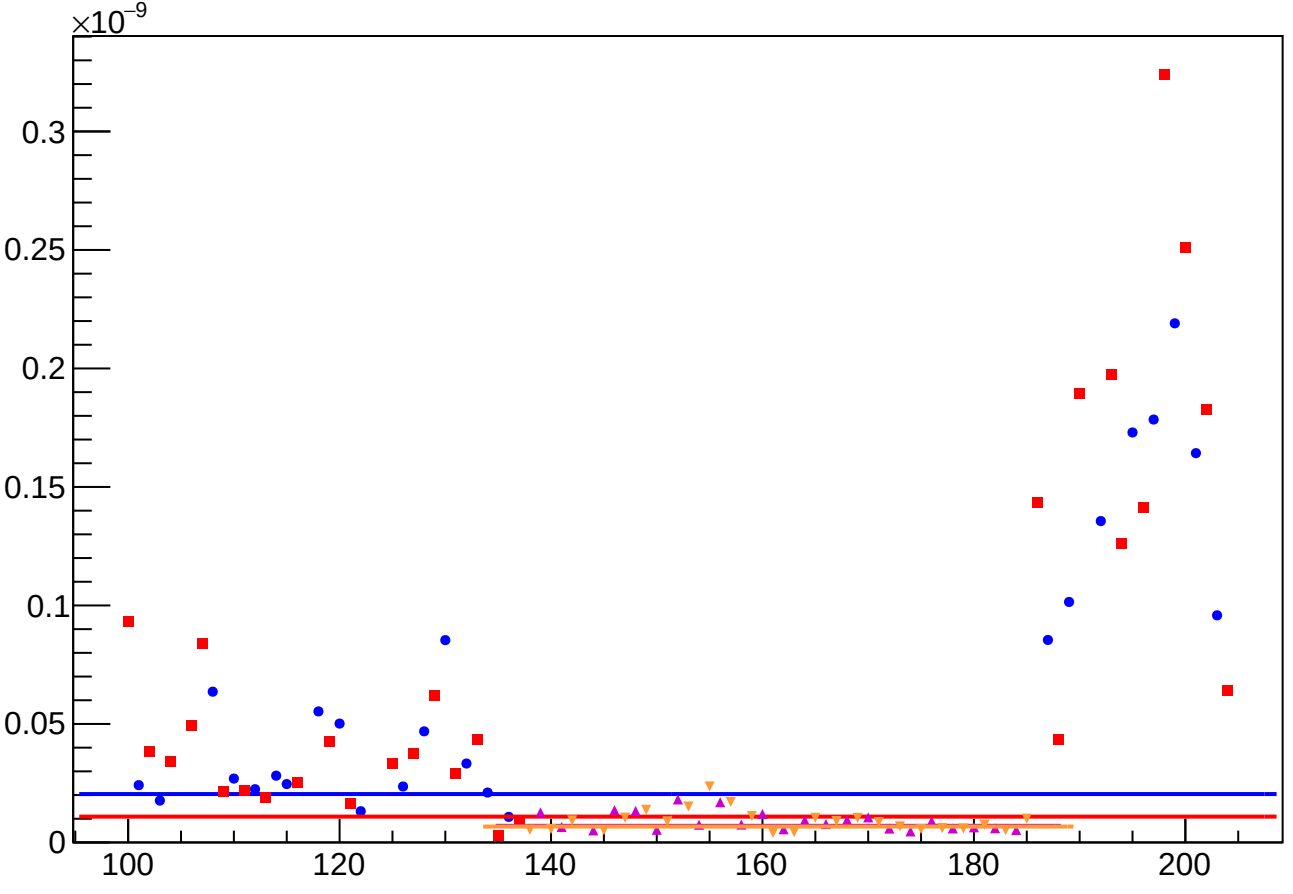
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/27

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

+ sign 0.000+/-0.000 χ^2/NDF: 48.3/47

All: 0.000+/-0.000 χ^2/NDF: 94.7/98

- sign 0.000+/-0.000 χ^2/NDF: 46.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 7251358.5/23

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

Right Out: 0.000+/-0.000 χ^2/NDF: 12389327.7/27

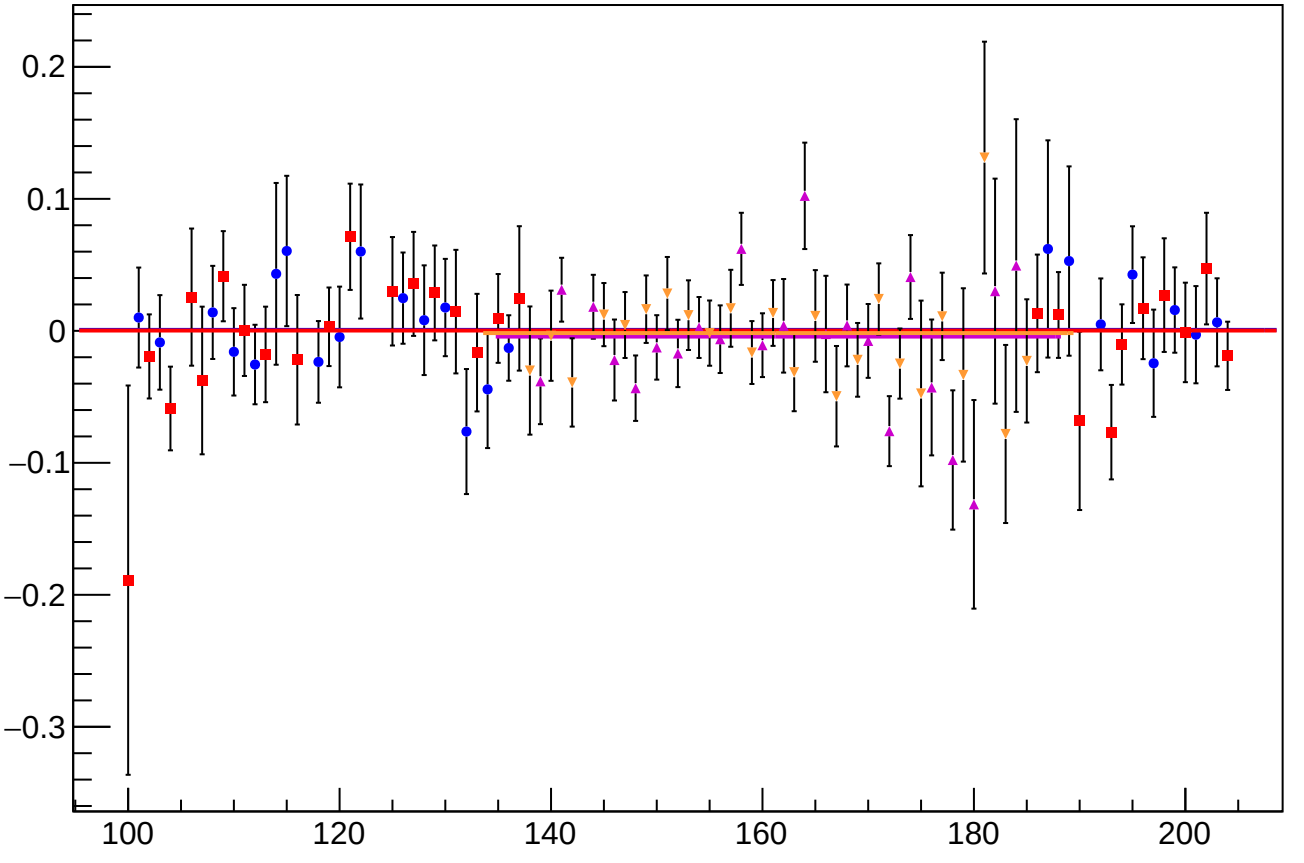
Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13667145.0/47

All: 0.000+/-0.000 χ^2/NDF: 29022103.0/98

- sign 0.000+/-0.000 χ^2/NDF: 15354650.8/50

asym_us_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/23

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

Right Out: 0.000+/-0.007 χ^2/NDF: 22.0/27

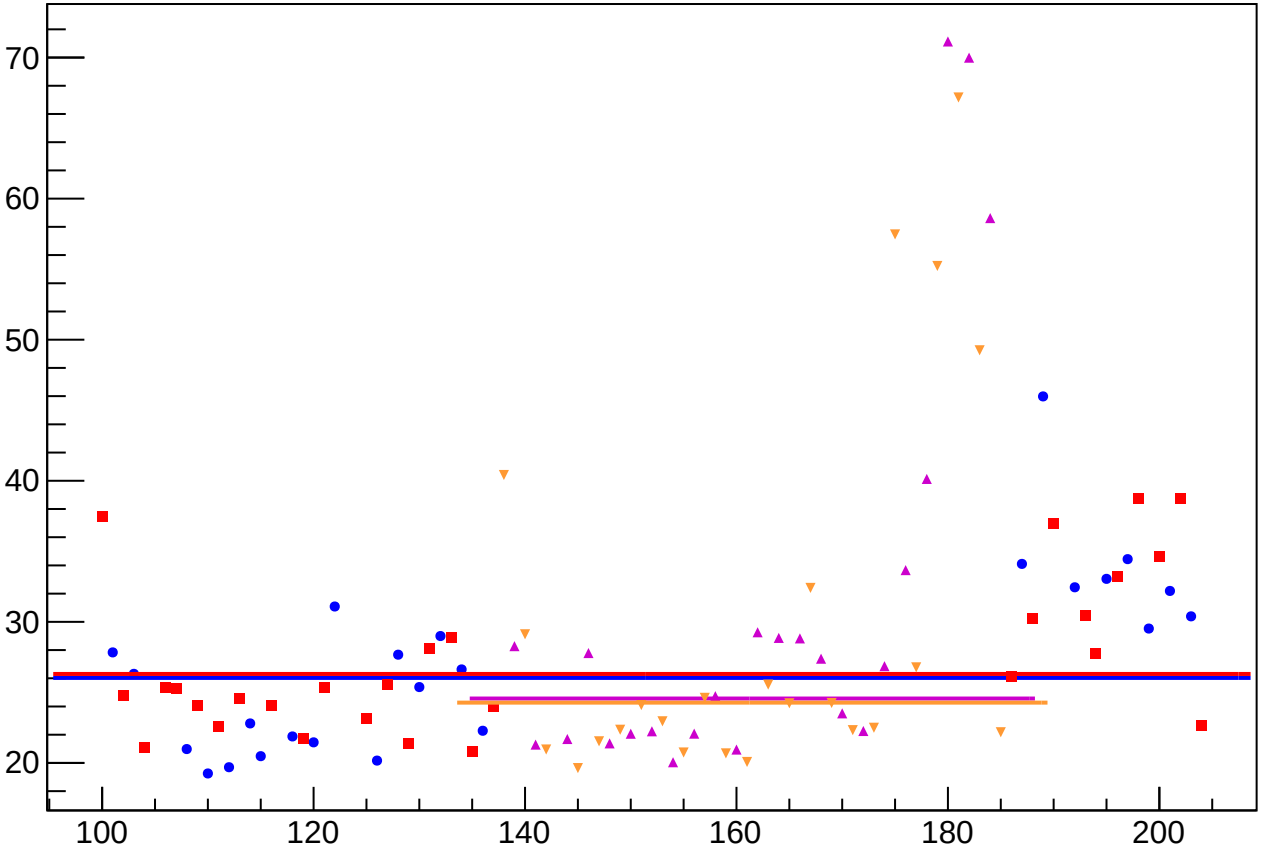
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 27.2/47

All: -0.002+/-0.003 χ^2/NDF: 86.0/98

- sign -0.002+/-0.005 χ^2/NDF: 58.8/50

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.027+/-0.005 χ^2/NDF: 955878.8/23

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

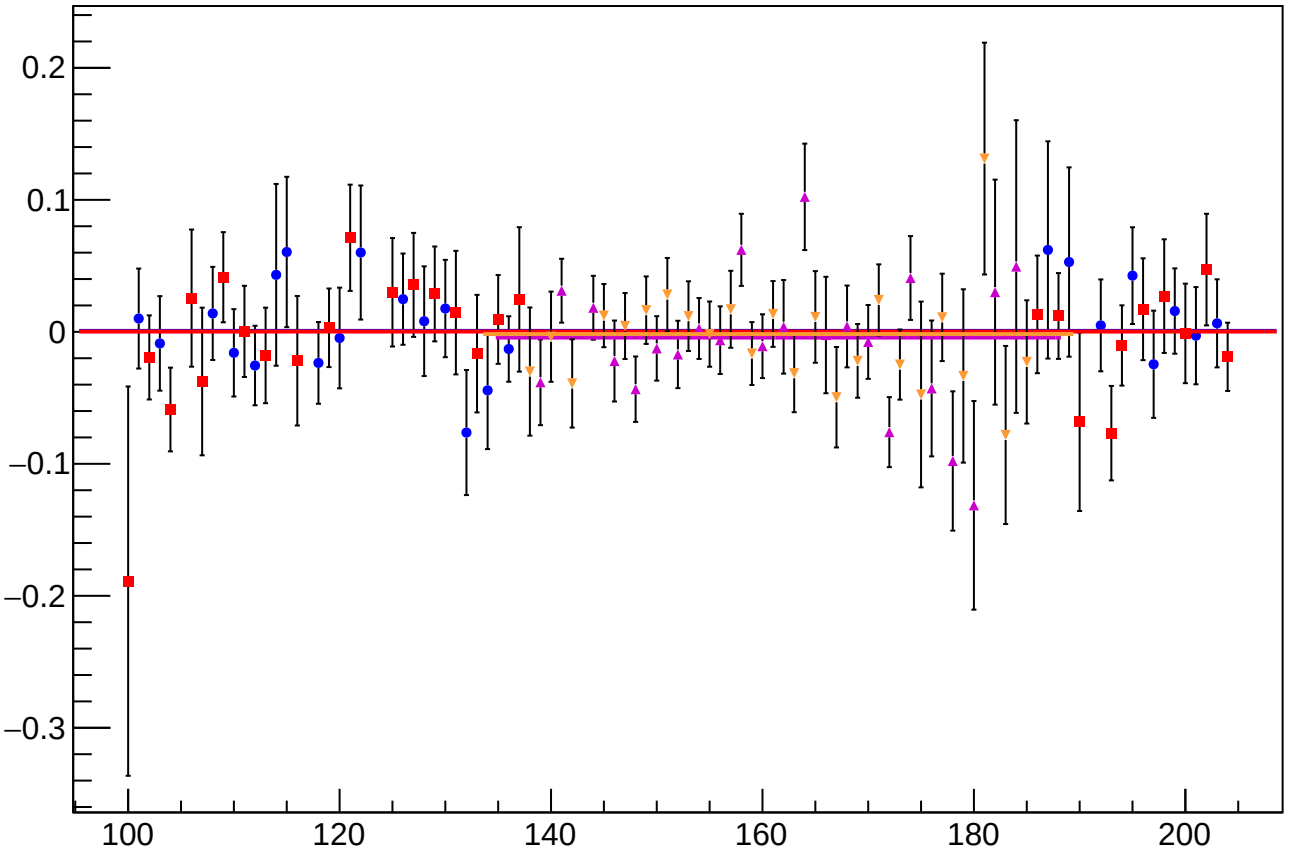
Right Out: 26.307+/-0.005 χ^2/NDF: 930837.3/27

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

+ sign 24.980+/-0.003 χ^2/NDF: 3328071.5/47

All: 25.157+/-0.002 χ^2/NDF: 6461918.7/98

- sign 25.326+/-0.003 χ^2/NDF: 3128750.3/50



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/23

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

Right Out: 0.000+/-0.007 χ^2/NDF: 22.0/27

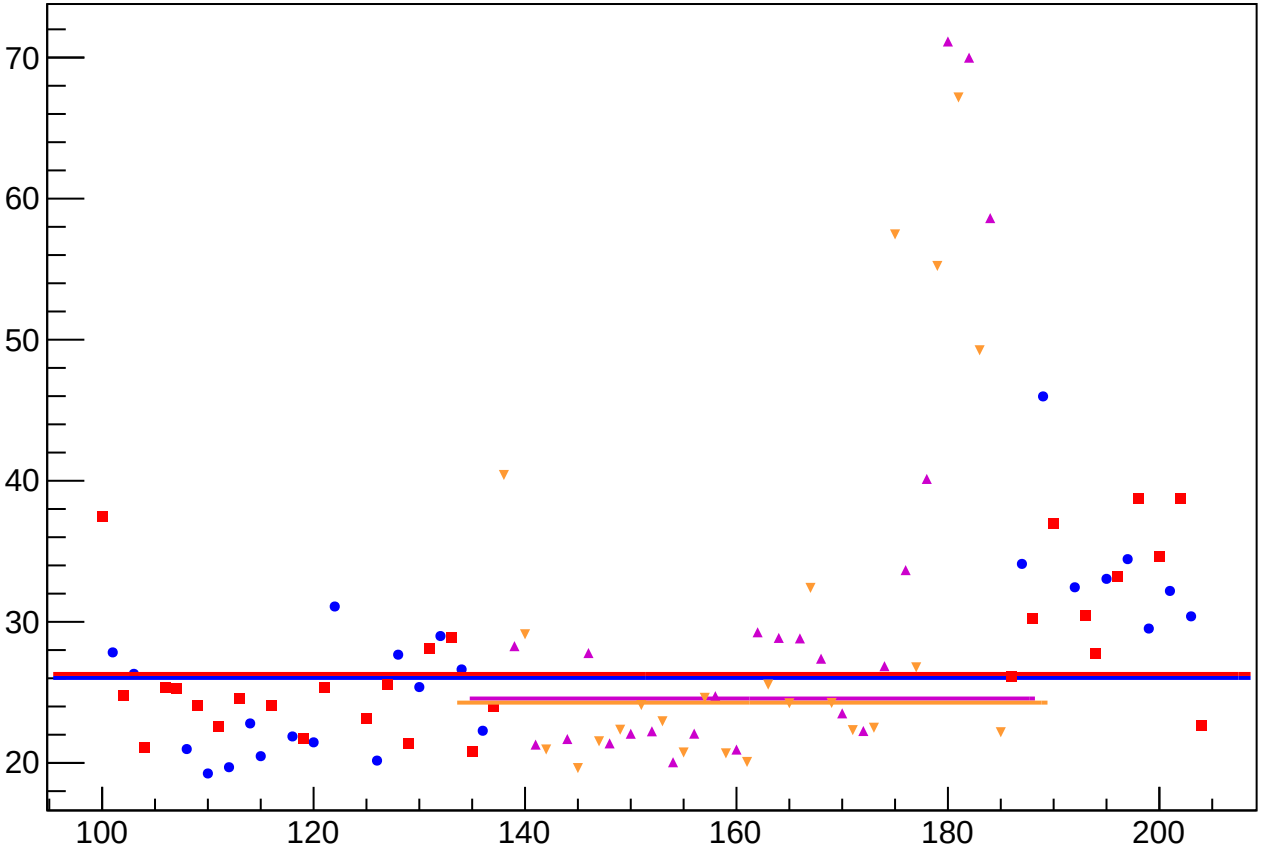
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 27.2/47

All: -0.002+/-0.003 χ^2/NDF: 86.0/98

- sign -0.002+/-0.005 χ^2/NDF: 58.8/50

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.027+/-0.005 χ^2/NDF: 955878.8/23

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

Right Out: 26.307+/-0.005 χ^2/NDF: 930837.3/27

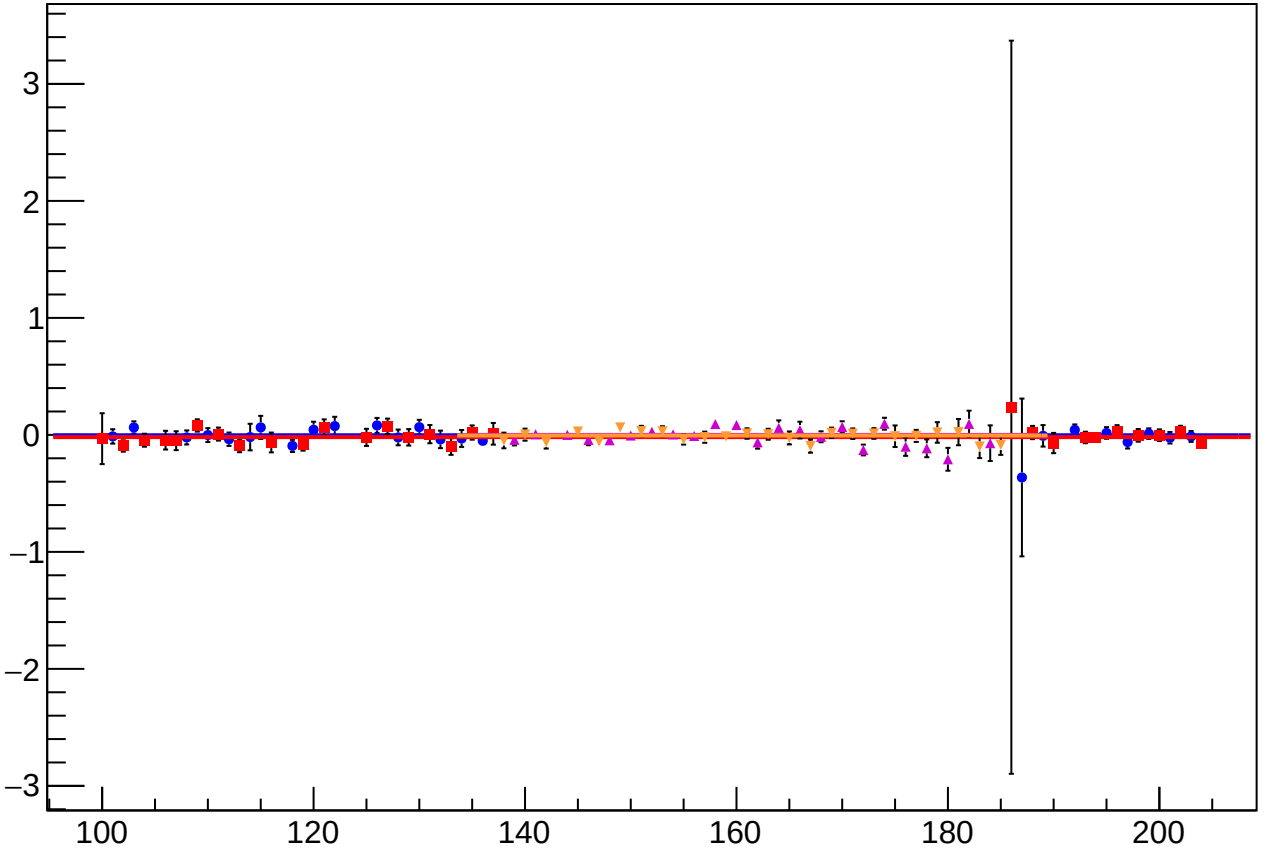
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 24.980+/-0.003 χ^2/NDF: 3328071.5/47

All: 25.157+/-0.002 χ^2/NDF: 6461918.7/98

- sign 25.326+/-0.003 χ^2/NDF: 3128750.3/50

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.003+/-0.012 χ^2/NDF: 14.5/23

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

Right Out: -0.019+/-0.011 χ^2/NDF: 20.0/27

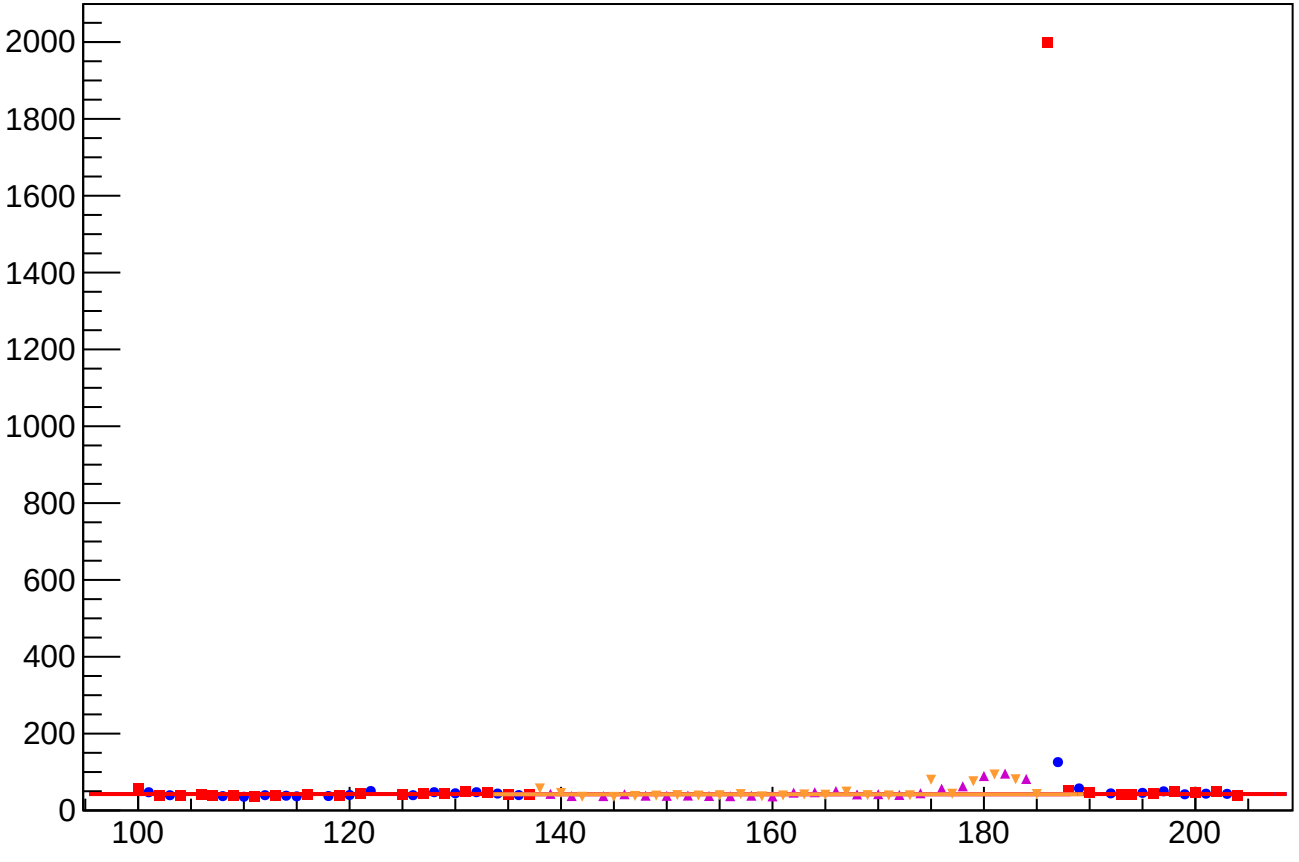
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.004+/-0.008 χ^2/NDF: 28.4/47

All: -0.007+/-0.006 χ^2/NDF: 88.0/98

- sign -0.009+/-0.008 χ^2/NDF: 59.4/50

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.802+/-0.009 χ^2/NDF: 277297.5/23

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

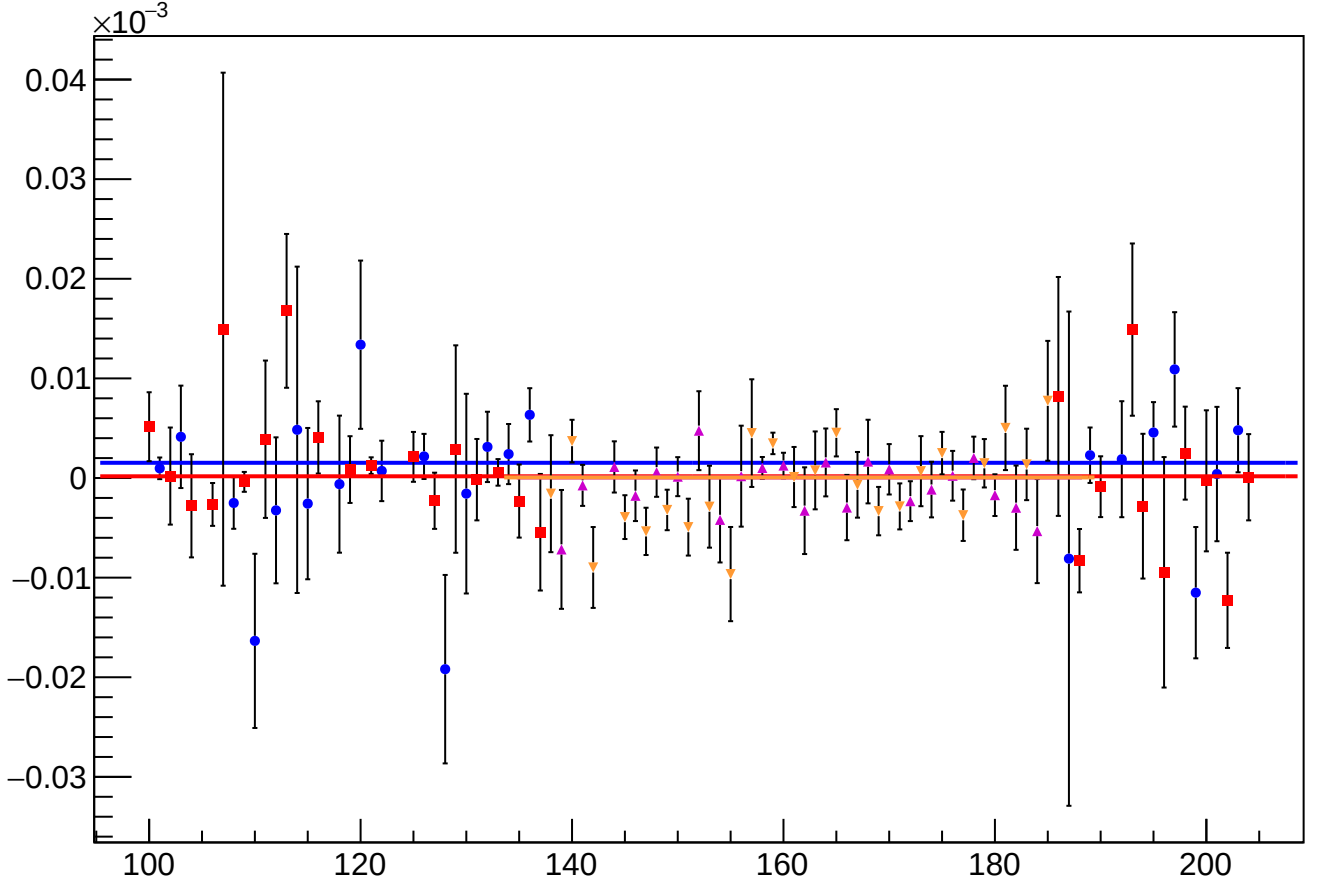
Right Out: 42.697+/-0.008 χ^2/NDF: 1045495.5/27

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

+ sign 42.388+/-0.006 χ^2/NDF: 1997307.3/47

All: 42.372+/-0.004 χ^2/NDF: 4589522.3/98

- sign 42.357+/-0.005 χ^2/NDF: 2592199.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/23

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

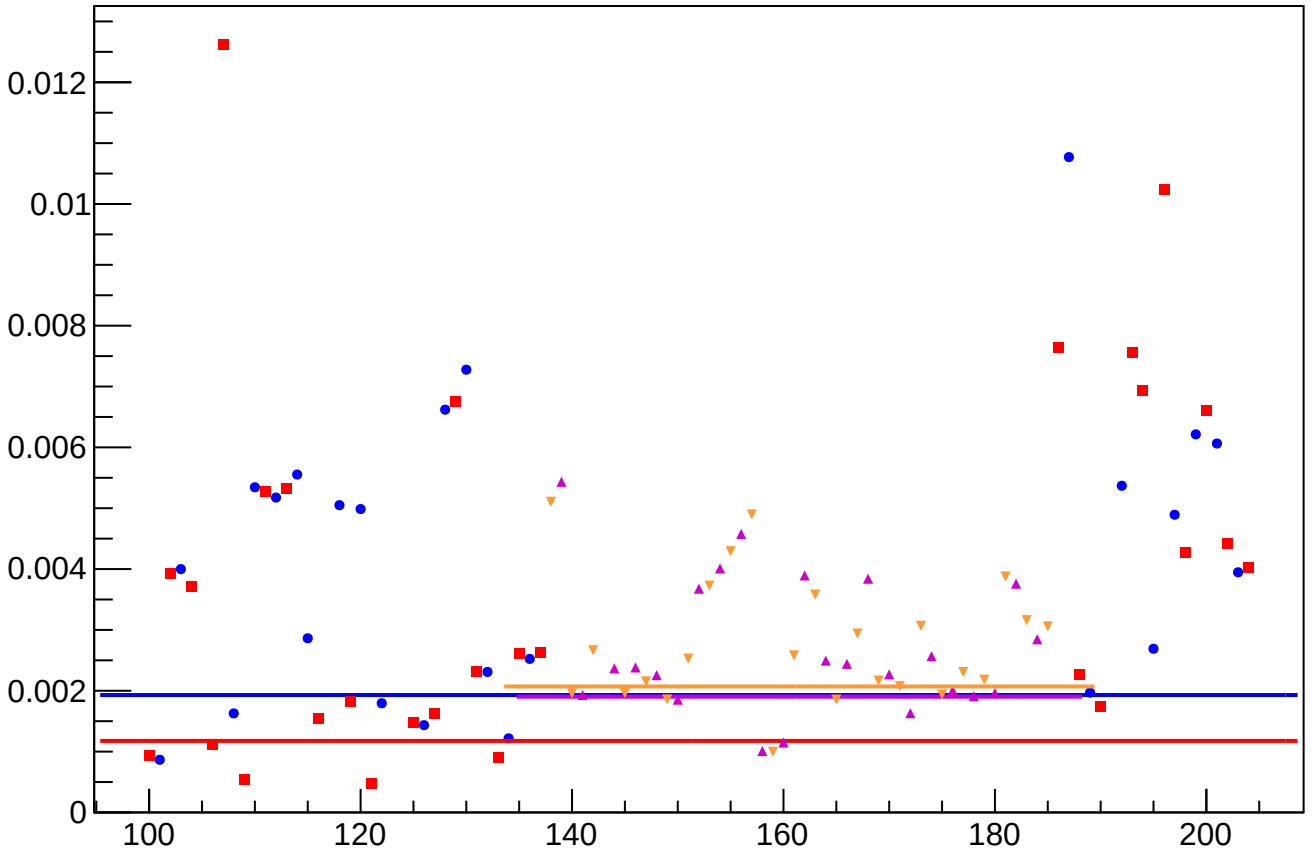
Right Out: 0.000+/-0.000 χ^2/NDF: 33.8/27

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

+ sign 0.000+/-0.000 χ^2/NDF: 81.5/47

All: 0.000+/-0.000 χ^2/NDF: 129.2/98

- sign 0.000+/-0.000 χ^2/NDF: 46.9/50



Right In: 0.002+/-0.000 χ^2/NDF: 8821878.8/23

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

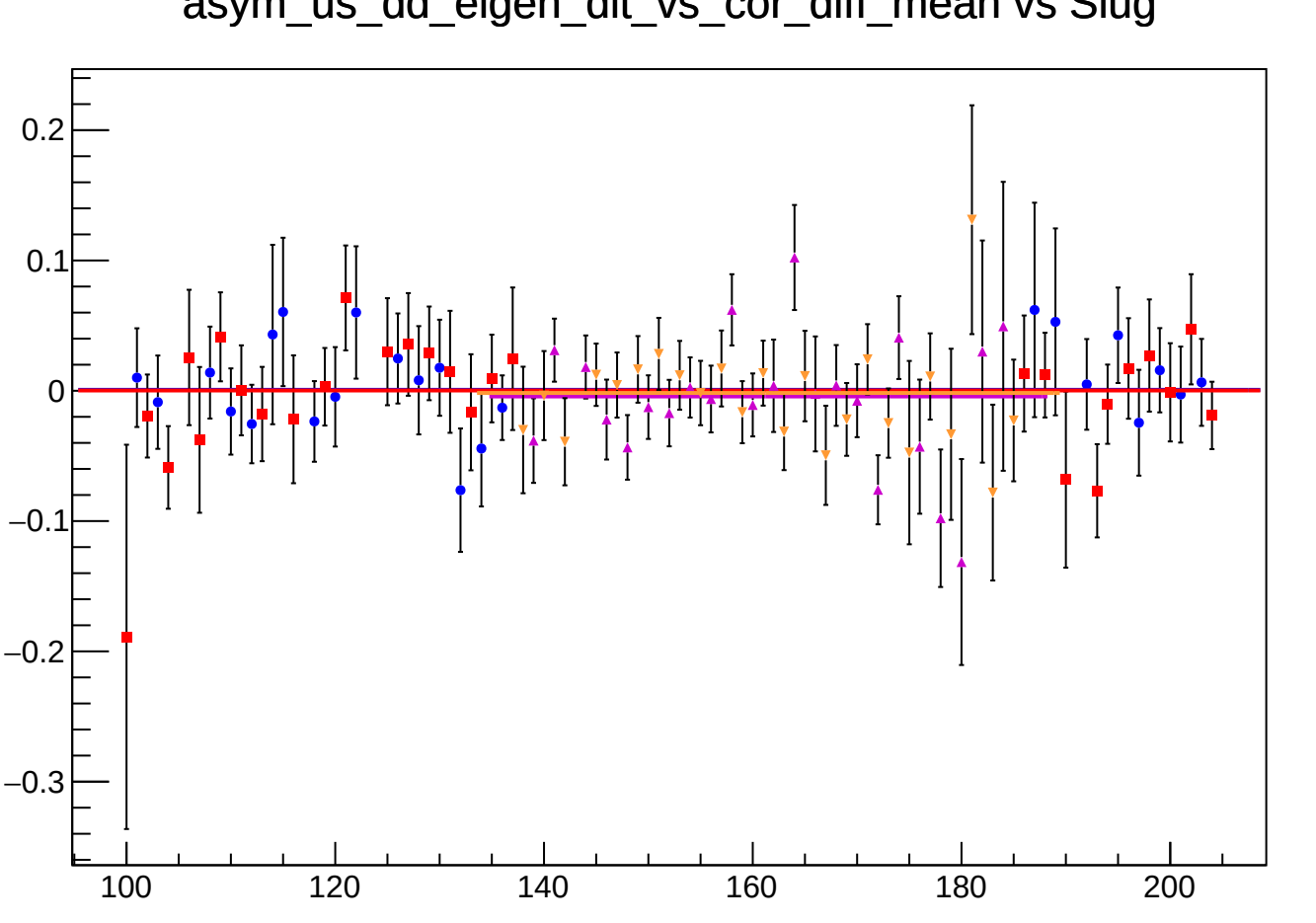
Right Out: 0.001+/-0.000 χ^2/NDF: 14604095.3/27

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

+ sign 0.002+/-0.000 χ^2/NDF: 14139049.3/47

All: 0.002+/-0.000 χ^2/NDF: 38626687.1/98

- sign 0.002+/-0.000 χ^2/NDF: 22796186.6/50



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/23

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

Right Out: 0.000+/-0.007 χ^2/NDF: 22.0/27

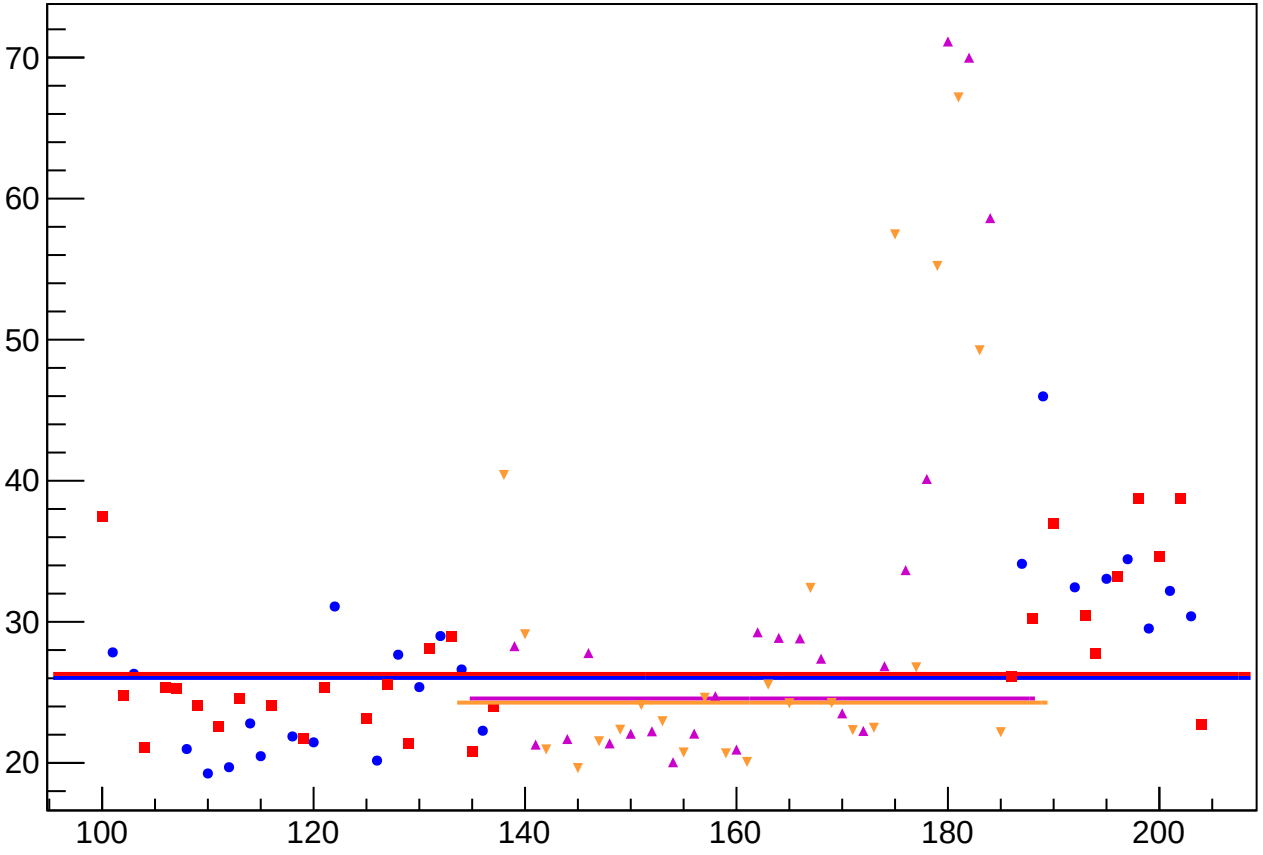
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 27.2/47

All: -0.002+/-0.003 χ^2/NDF: 86.0/98

- sign -0.002+/-0.005 χ^2/NDF: 58.8/50

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.026+/-0.005 χ^2/NDF: 955879.5/23

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

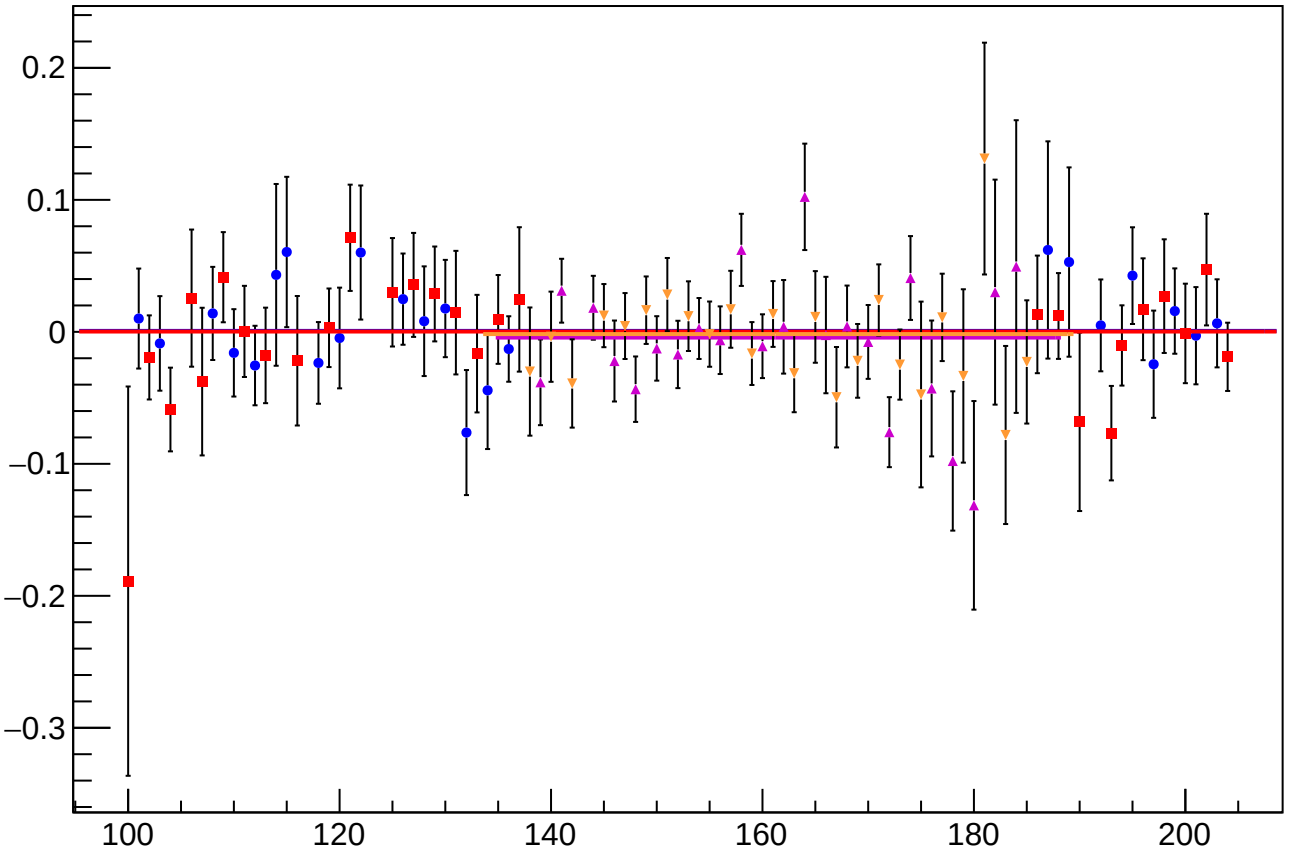
Right Out: 26.307+/-0.005 χ^2/NDF: 930745.4/27

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

+ sign 24.980+/-0.003 χ^2/NDF: 3328032.3/47

All: 25.157+/-0.002 χ^2/NDF: 6461666.7/98

- sign 25.327+/-0.003 χ^2/NDF: 3128522.8/50



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/23

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

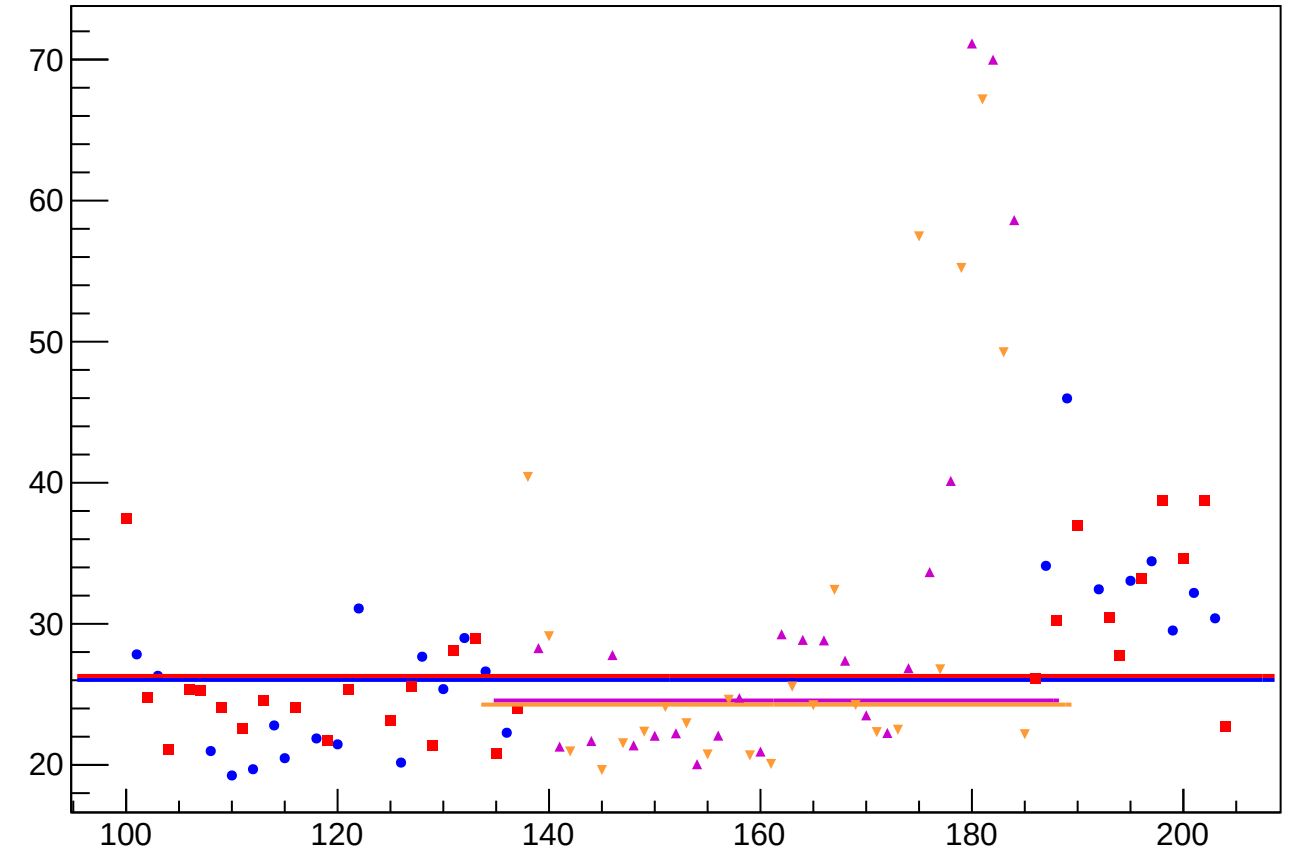
Right Out: 0.000+/-0.007 χ^2/NDF: 22.0/27

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

+ sign -0.001+/-0.005 χ^2/NDF: 27.2/47

All: -0.002+/-0.003 χ^2/NDF: 86.0/98

- sign -0.002+/-0.005 χ^2/NDF: 58.8/50



Right In: 26.026+/-0.005 χ^2/NDF: 955879.5/23

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

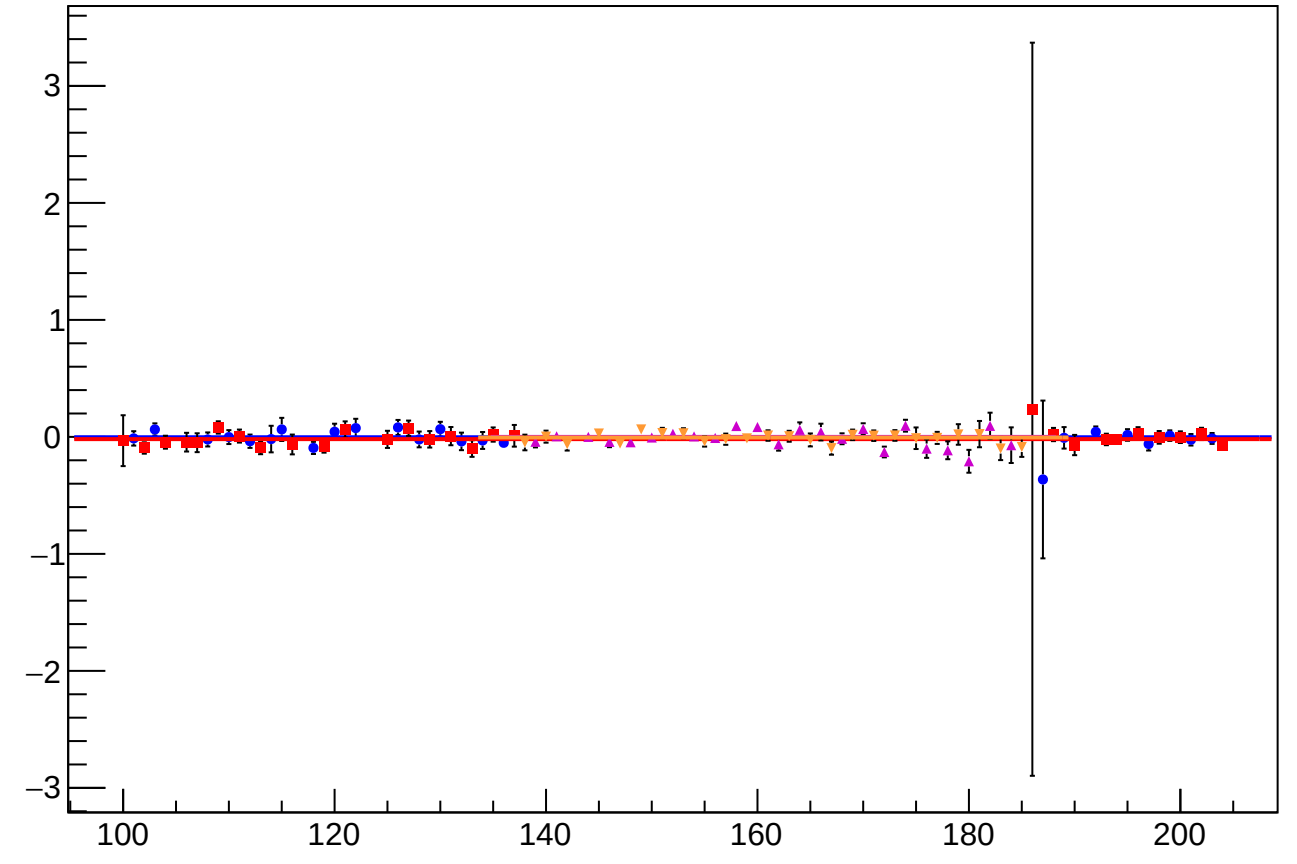
Right Out: 26.307+/-0.005 χ^2/NDF: 930745.4/27

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

+ sign 24.980+/-0.003 χ^2/NDF: 3328032.3/47

All: 25.157+/-0.002 χ^2/NDF: 6461666.7/98

- sign 25.327+/-0.003 χ^2/NDF: 3128522.8/50



Right In: -0.003+/-0.012 χ^2/NDF: 14.5/23

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

Right Out: -0.019+/-0.011 χ^2/NDF: 20.0/27

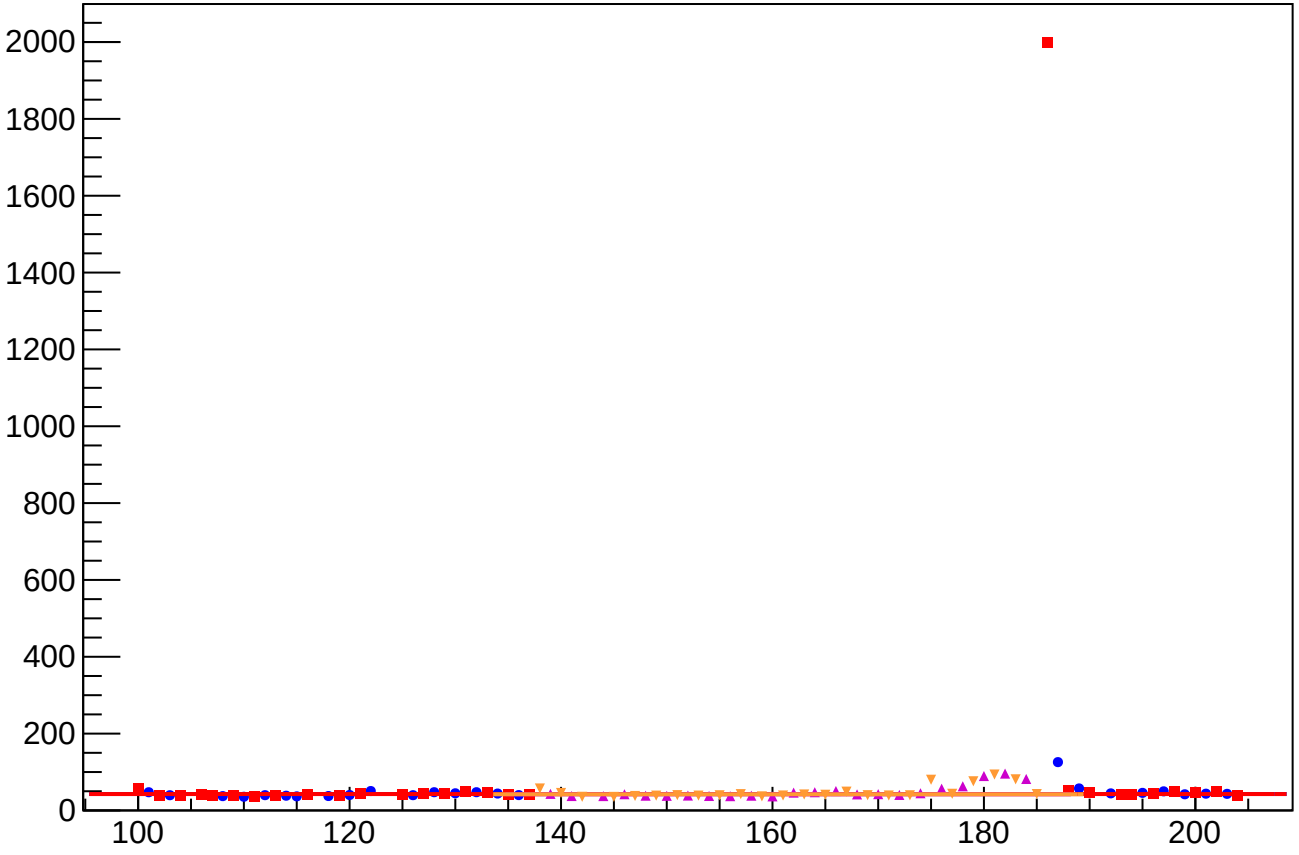
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.004+/-0.008 χ^2/NDF: 28.4/47

All: -0.007+/-0.006 χ^2/NDF: 88.0/98

- sign -0.009+/-0.008 χ^2/NDF: 59.4/50

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.802+/-0.009 χ^2/NDF: 277262.5/23

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

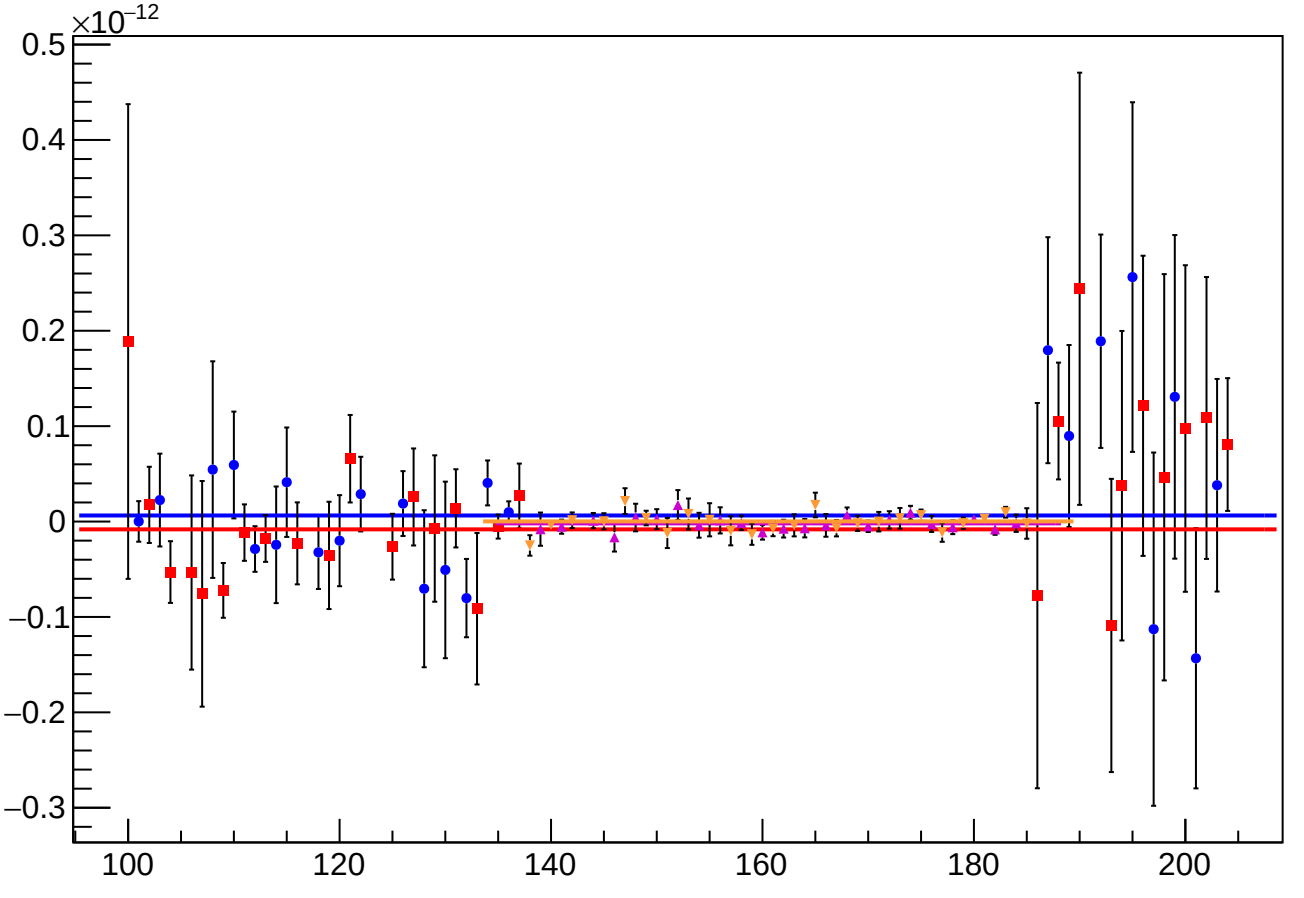
Right Out: 42.697+/-0.008 χ^2/NDF: 1045487.2/27

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

+ sign 42.388+/-0.006 χ^2/NDF: 1997260.4/47

All: 42.372+/-0.004 χ^2/NDF: 4589441.3/98

- sign 42.357+/-0.005 χ^2/NDF: 2592165.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/23

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

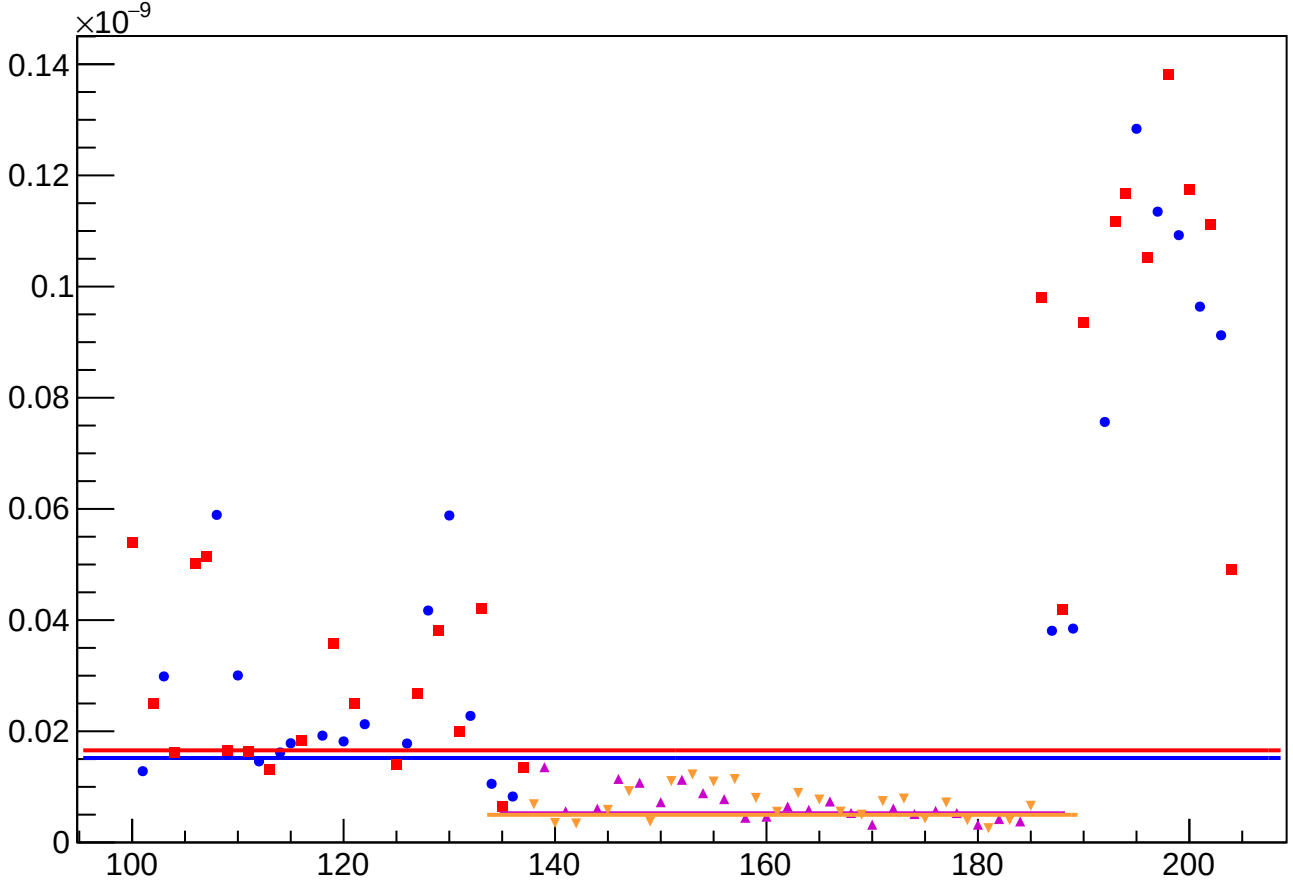
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/27

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

+ sign 0.000+/-0.000 χ^2/NDF: 45.3/47

All: -0.000+/-0.000 χ^2/NDF: 82.5/98

- sign -0.000+/-0.000 χ^2/NDF: 35.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 6640821.5/23

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

Right Out: 0.000+/-0.000 χ^2/NDF: 8324029.1/27

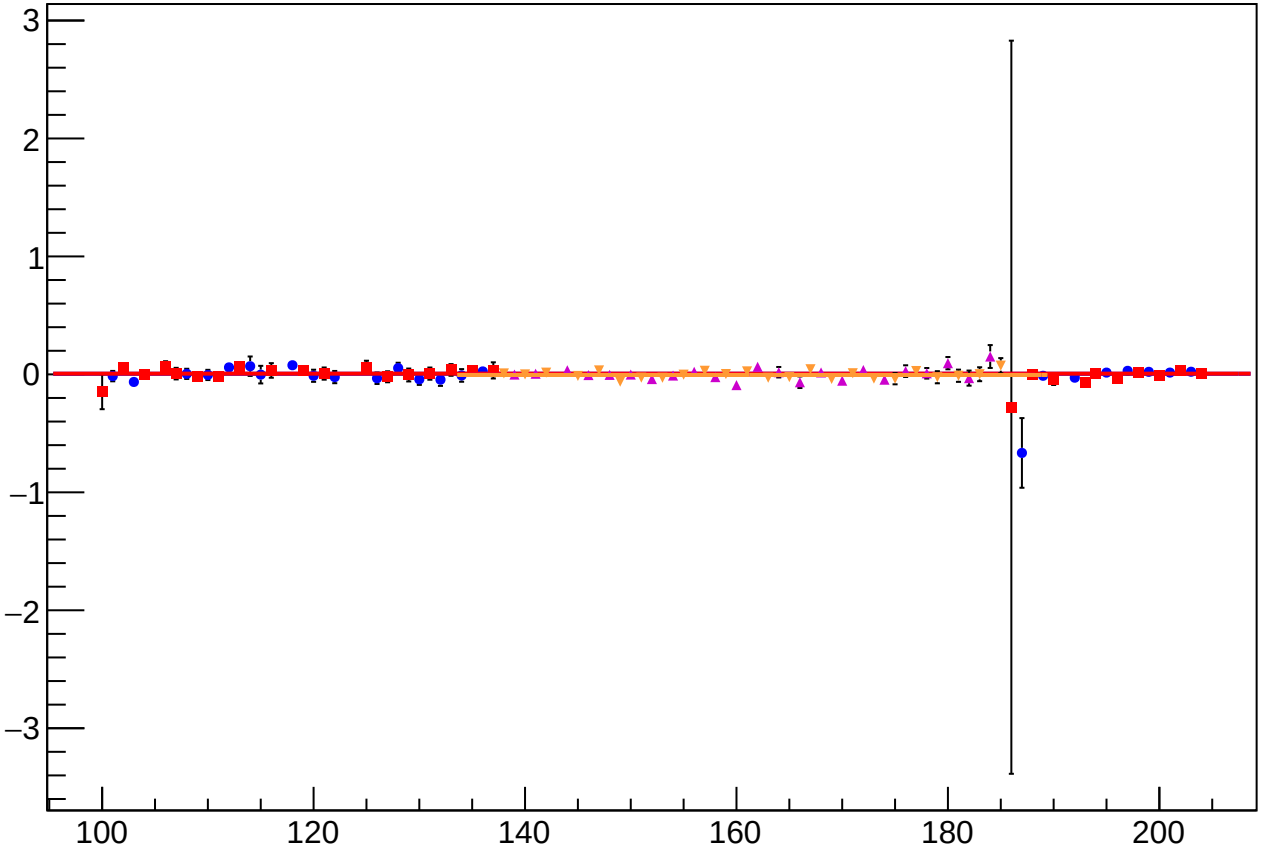
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13921239.3/47

All: 0.000+/-0.000 χ^2/NDF: 29097179.5/98

- sign 0.000+/-0.000 χ^2/NDF: 15137397.6/50

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.008 χ^2/NDF: 24.1/23

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

Right Out: 0.006+/-0.007 χ^2/NDF: 22.3/27

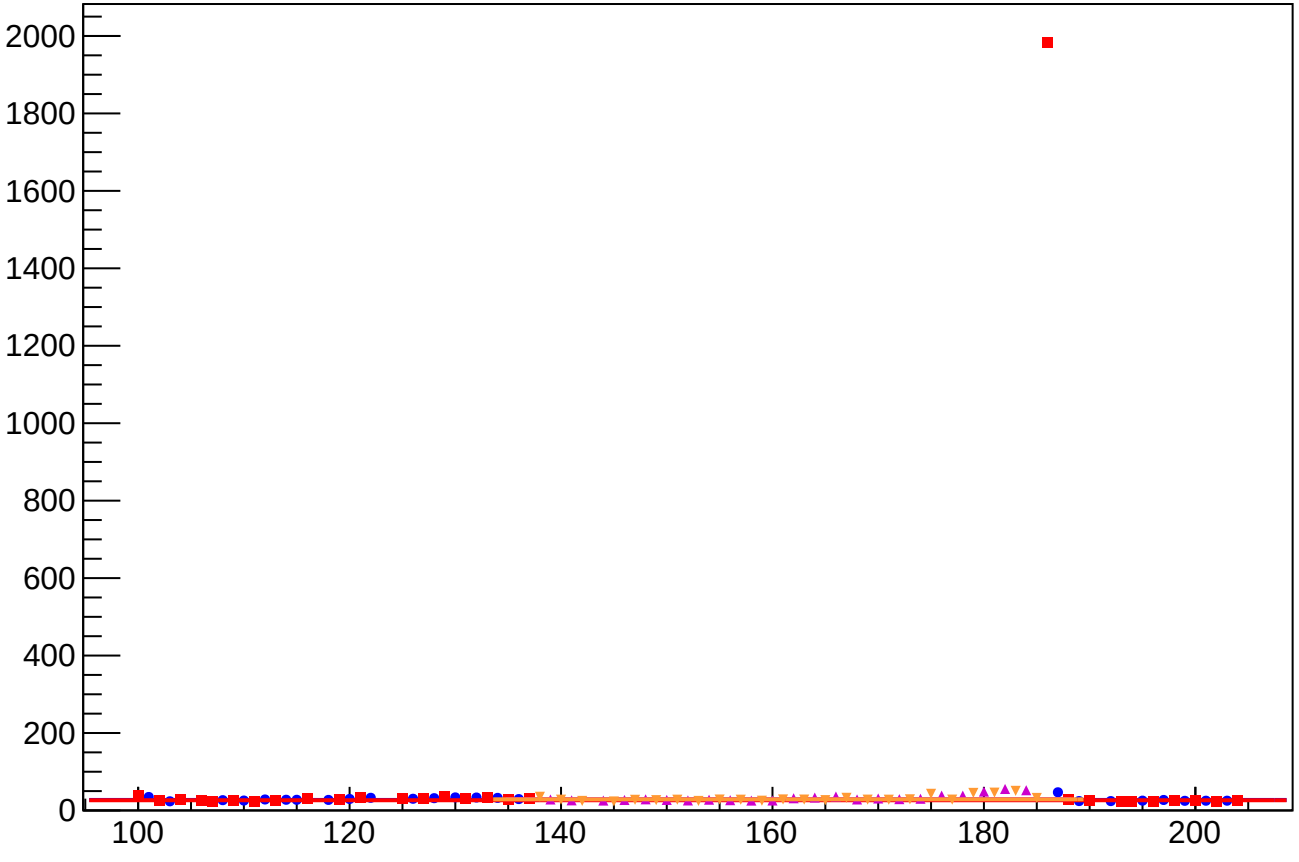
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.001+/-0.005 χ^2/NDF: 41.8/47

All: 0.000+/-0.004 χ^2/NDF: 96.4/98

- sign 0.001+/-0.005 χ^2/NDF: 54.6/50

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 27.121+/-0.006 χ^2/NDF: 327018.9/23

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

Right Out: 26.395+/-0.005 χ^2/NDF: 1105717.2/27

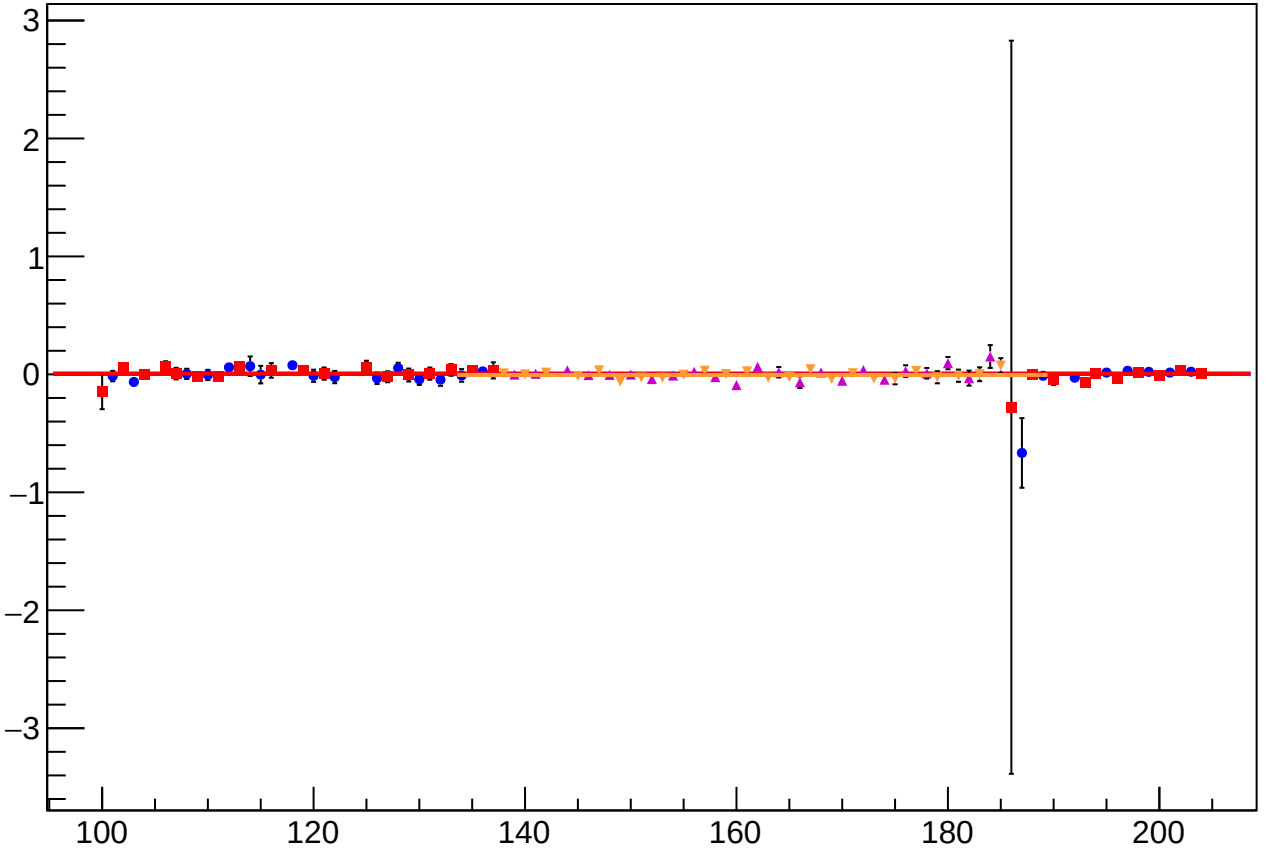
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 28.036+/-0.004 χ^2/NDF: 1547248.2/47

All: 27.933+/-0.003 χ^2/NDF: 3952296.5/98

- sign 27.836+/-0.004 χ^2/NDF: 2403542.6/50

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.008 χ^2/NDF: 24.1/23

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

Right Out: 0.006+/-0.007 χ^2/NDF: 22.3/27

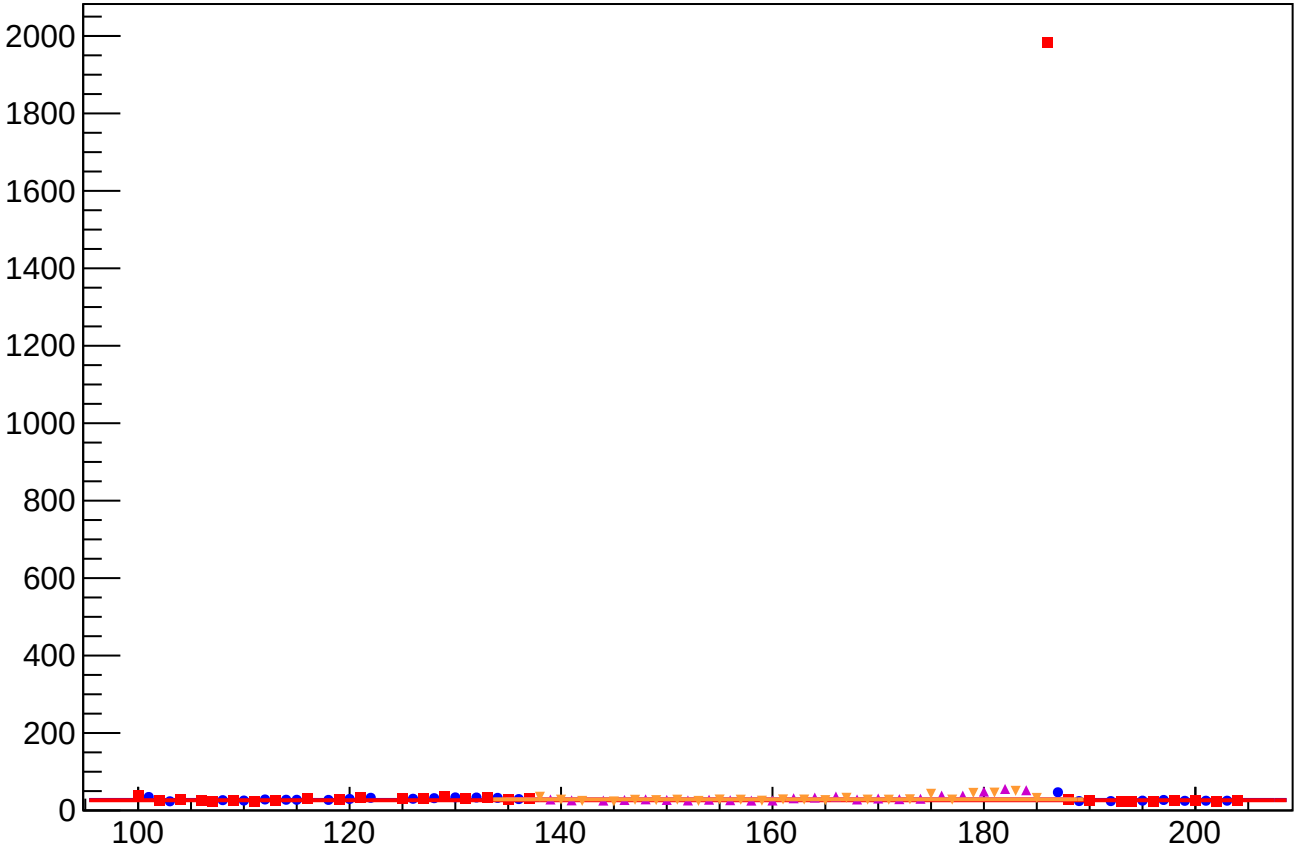
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.001+/-0.005 χ^2/NDF: 41.8/47

All: 0.000+/-0.004 χ^2/NDF: 96.4/98

- sign 0.001+/-0.005 χ^2/NDF: 54.6/50

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 27.121+/-0.006 χ^2/NDF: 327018.9/23

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

Right Out: 26.395+/-0.005 χ^2/NDF: 1105717.2/27

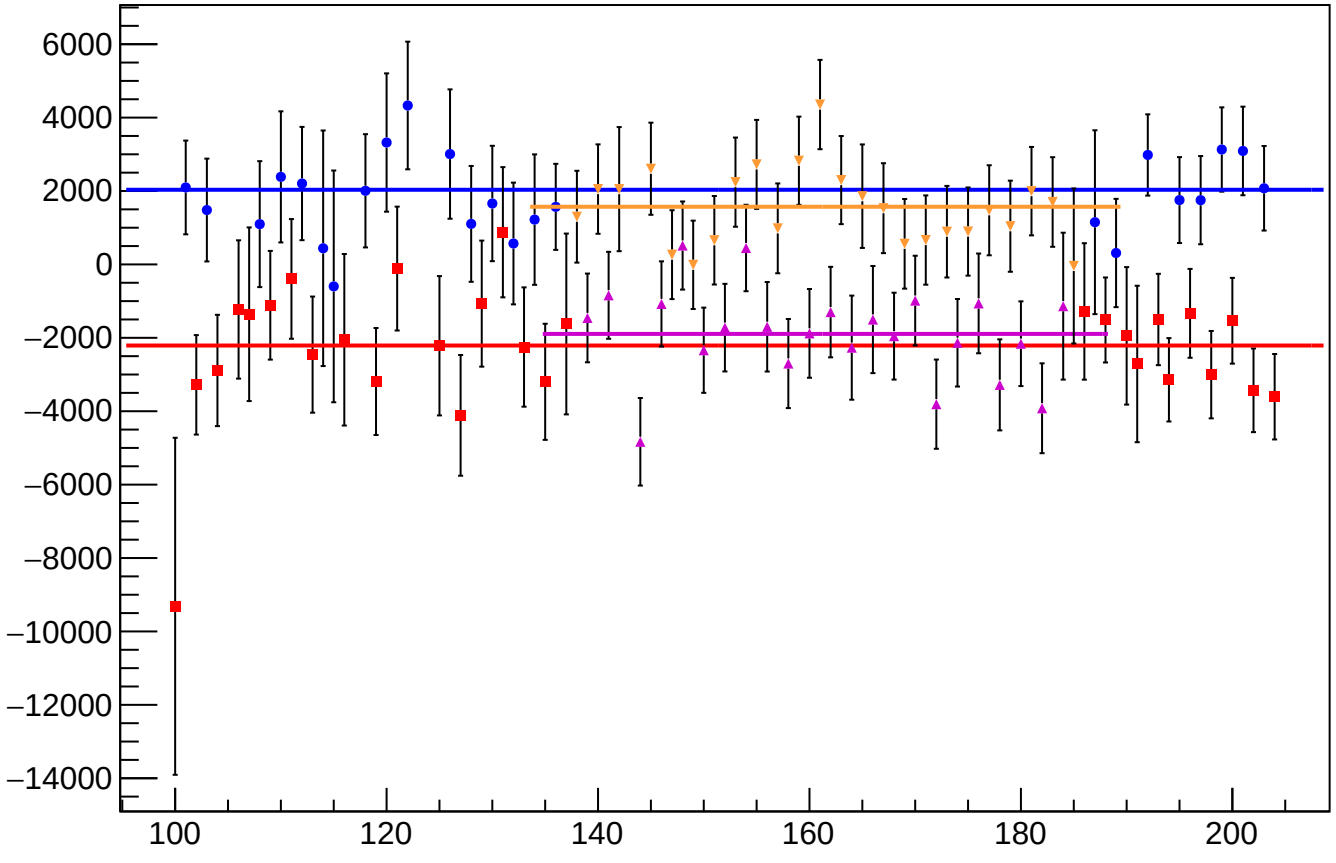
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 28.036+/-0.004 χ^2/NDF: 1547248.2/47

All: 27.933+/-0.003 χ^2/NDF: 3952296.5/98

- sign 27.836+/-0.004 χ^2/NDF: 2403542.6/50

reg_asym_usl_mean vs Slug



Right In: 2033.928+/-301.255 χ^2/NDF: 9.5/23

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

Right Out: -2209.886+/-282.168 χ^2/NDF: 18.3/28

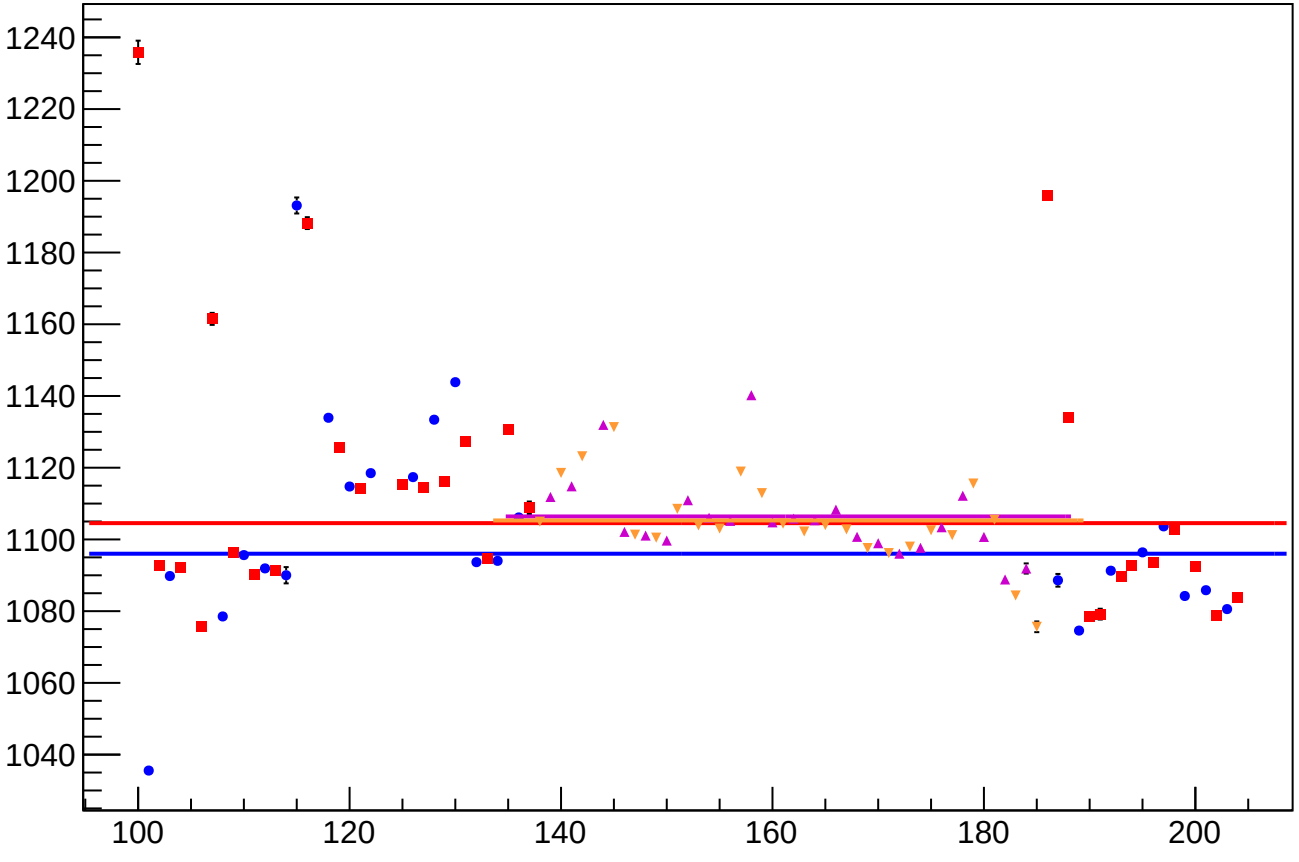
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1765.619+/-195.315 χ^2/NDF: 26.3/47

All: -183.075+/-136.389 χ^2/NDF: 263.6/99

- sign -2037.689+/-190.542 χ^2/NDF: 43.1/51

reg_asym_usl_rms vs Slug



Right In: 1096.017+/-0.213 χ^2/NDF: 13074.9/23

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

Right Out: 1104.546+/-0.200 χ^2/NDF: 17485.7/28

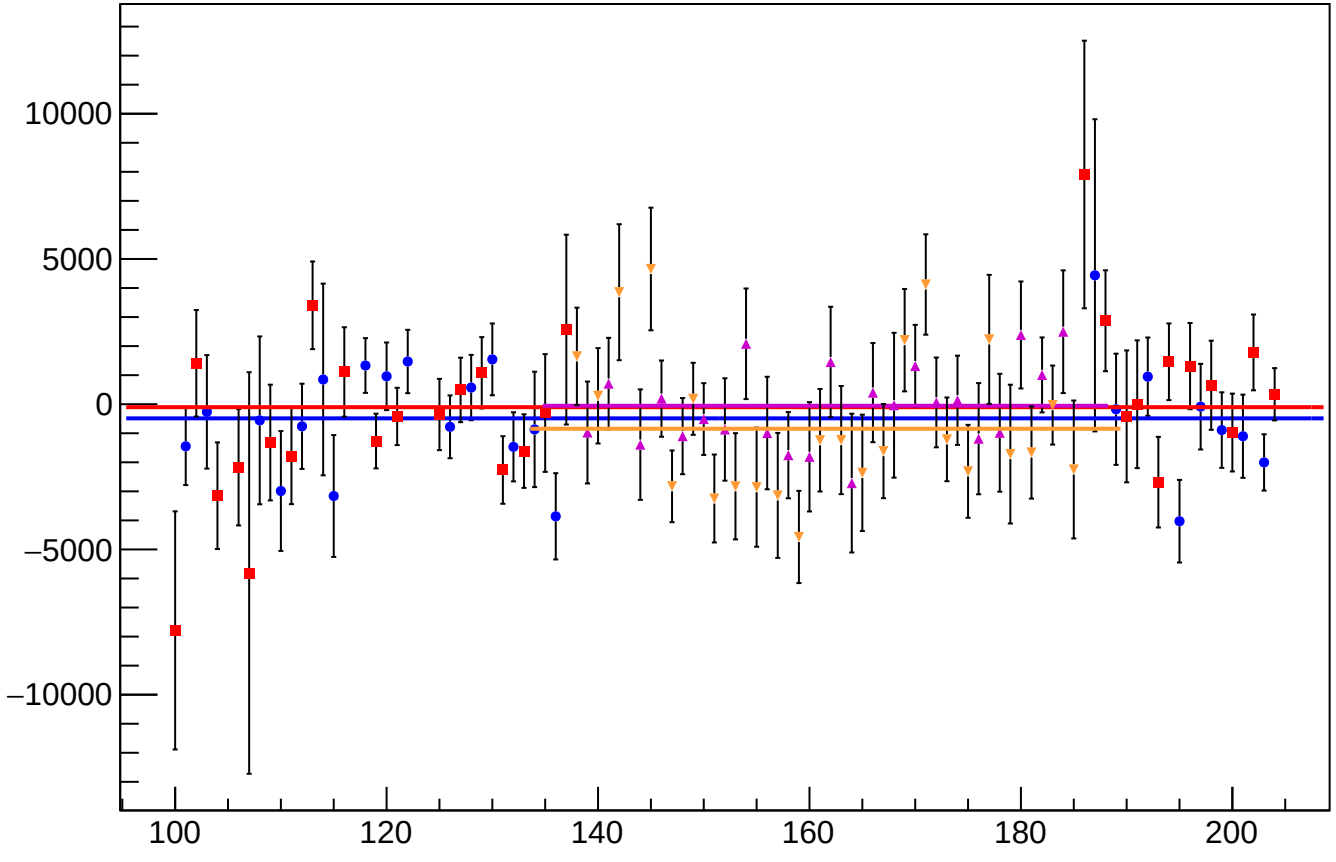
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1101.395+/-0.138 χ^2/NDF: 17336.0/47

All: 1103.527+/-0.096 χ^2/NDF: 39110.8/99

- sign 1105.557+/-0.135 χ^2/NDF: 21309.4/51

asym_usl_reg_correction_mean vs Slug



Right In: -486.910+/-284.736 χ^2/NDF: 32.9/23

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

Right Out: -102.607+/-272.949 χ^2/NDF: 38.6/28

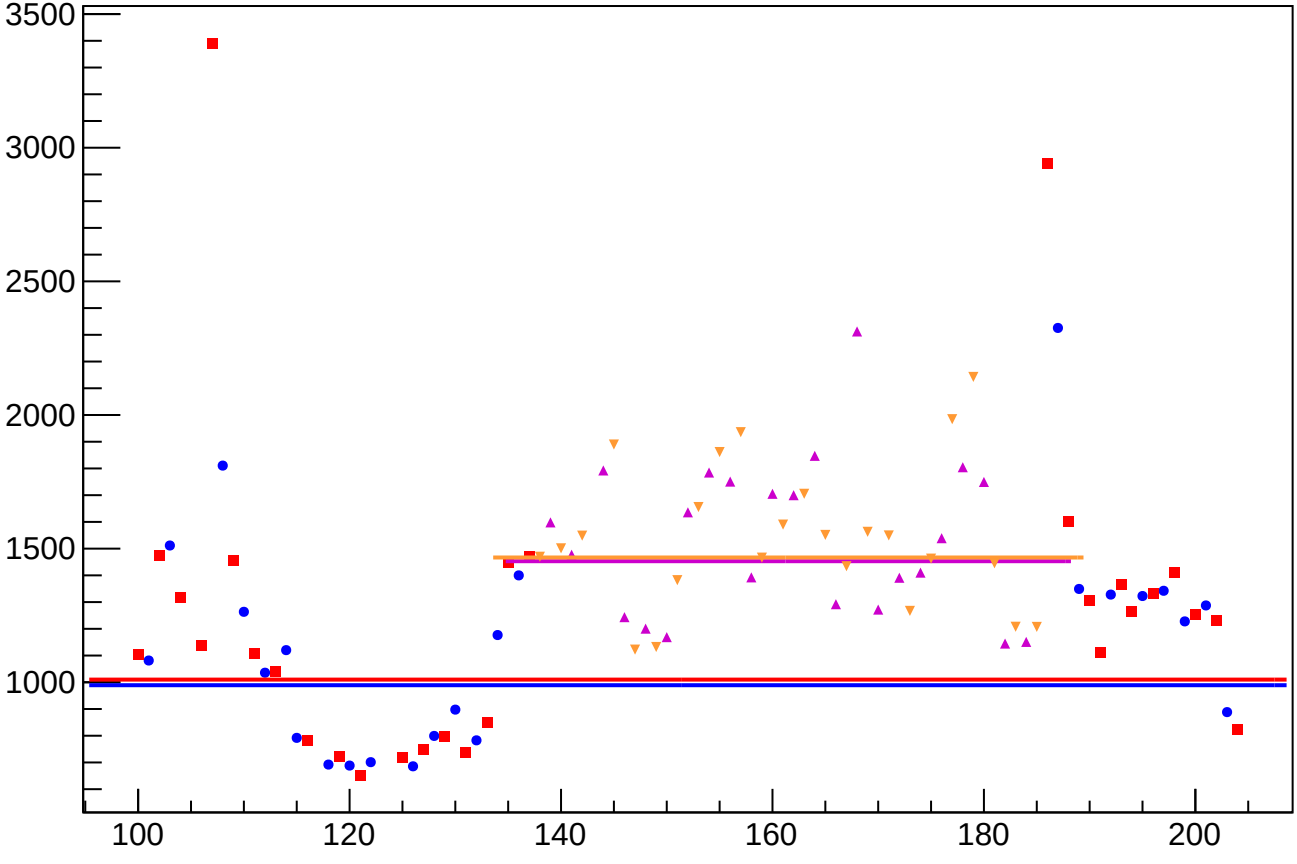
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -630.688+/-220.204 χ^2/NDF: 77.7/47

All: -349.947+/-153.573 χ^2/NDF: 132.5/99

- sign -84.092+/-214.287 χ^2/NDF: 51.7/51

asym_usl_reg_correction_rms vs Slug



Right In: 989.009+/-0.201 χ^2/NDF: 2022451.8/23

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

Right Out: 1010.002+/-0.193 χ^2/NDF: 2830485.1/28

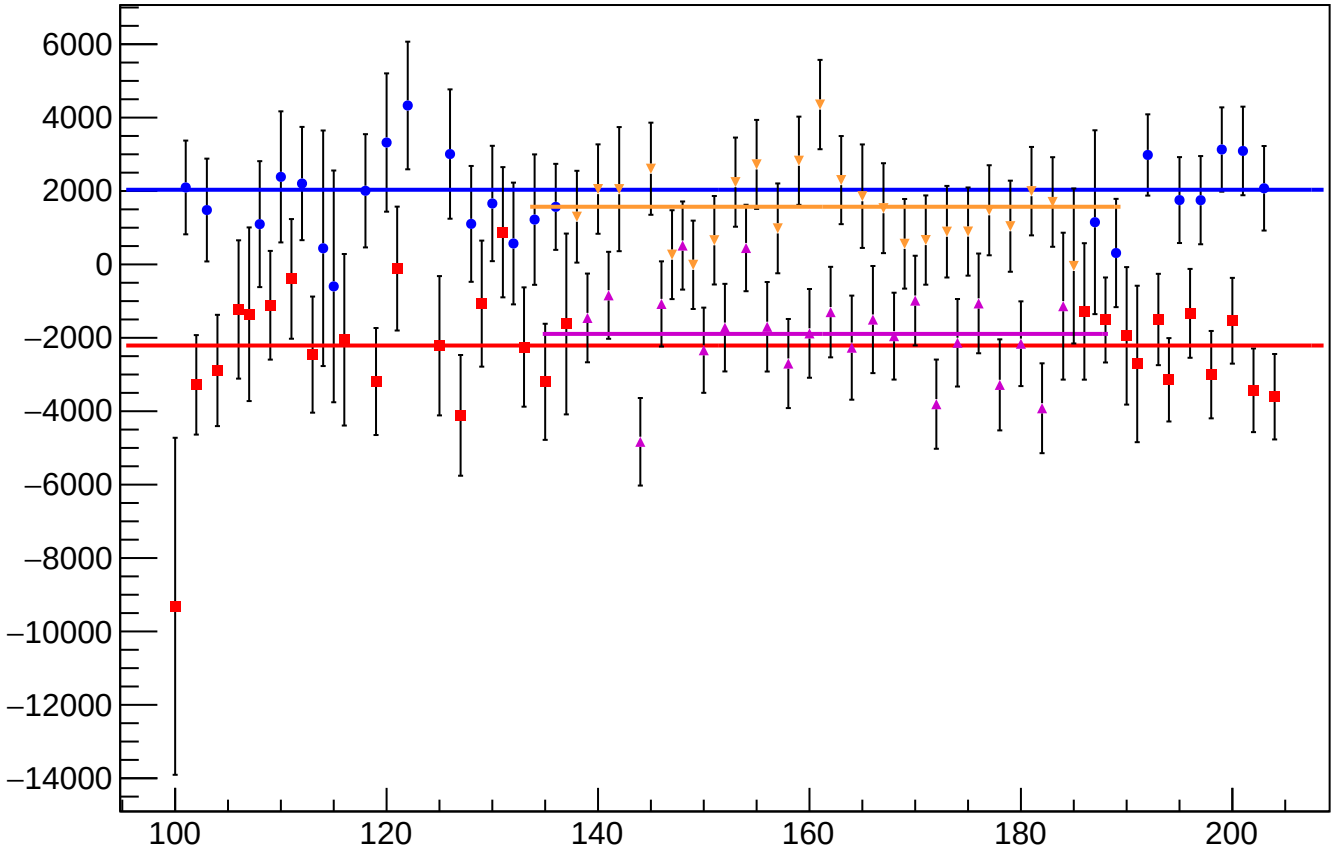
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1181.055+/-0.156 χ^2/NDF: 5329526.5/47

All: 1180.488+/-0.109 χ^2/NDF: 11310629.8/9

- sign 1179.951+/-0.152 χ^2/NDF: 5981077.5/51

cor_asym_usl_mean vs Slug



Right In: 2033.928+/-301.255 χ^2/NDF: 9.5/23

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

Right Out: -2209.878+/-282.168 χ^2/NDF: 18.3/28

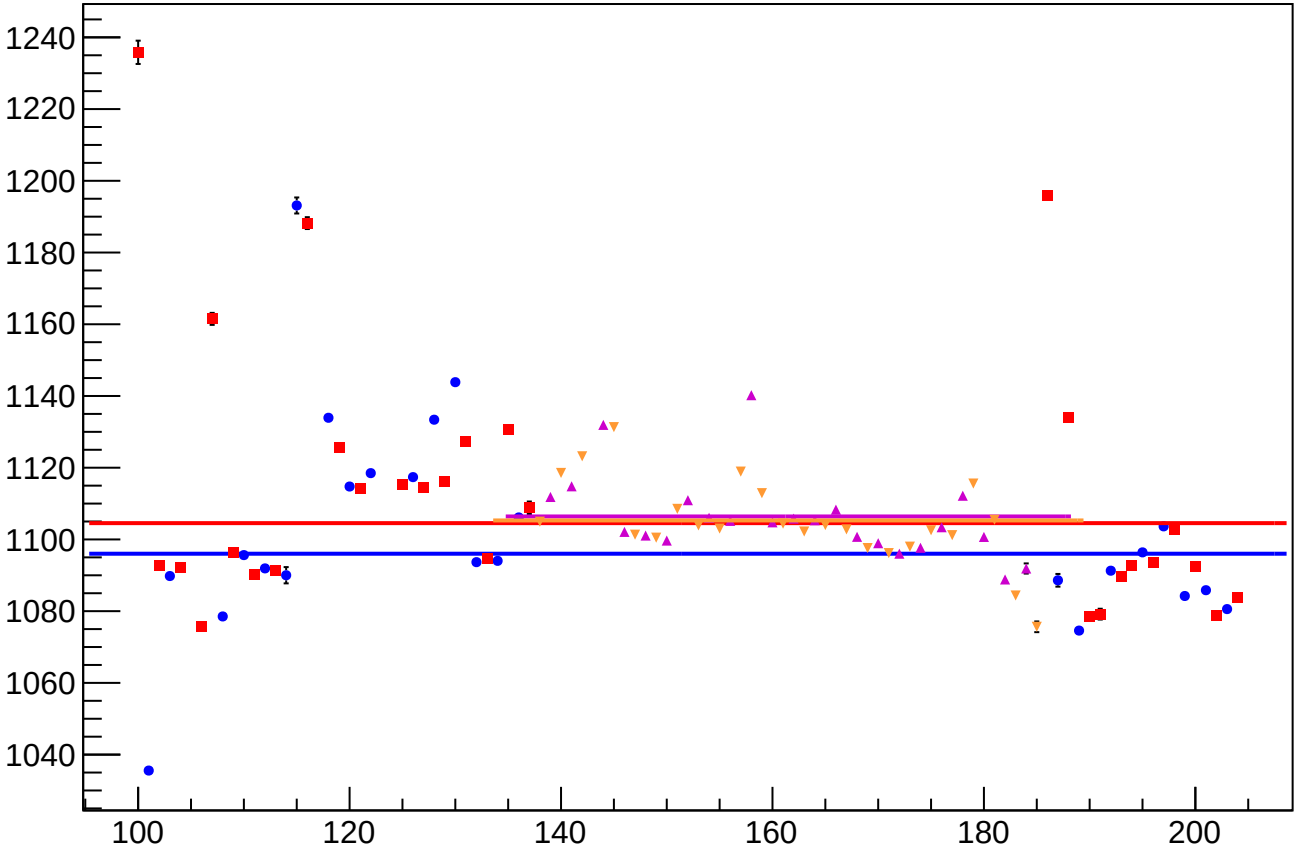
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1765.619+/-195.315 χ^2/NDF: 26.3/47

All: -183.073+/-136.389 χ^2/NDF: 263.6/99

- sign -2037.685+/-190.542 χ^2/NDF: 43.1/51

cor_asym_usl_rms vs Slug



Right In: 1096.017+/-0.213 χ^2/NDF: 13074.9/23

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

Right Out: 1104.546+/-0.200 χ^2/NDF: 17485.7/28

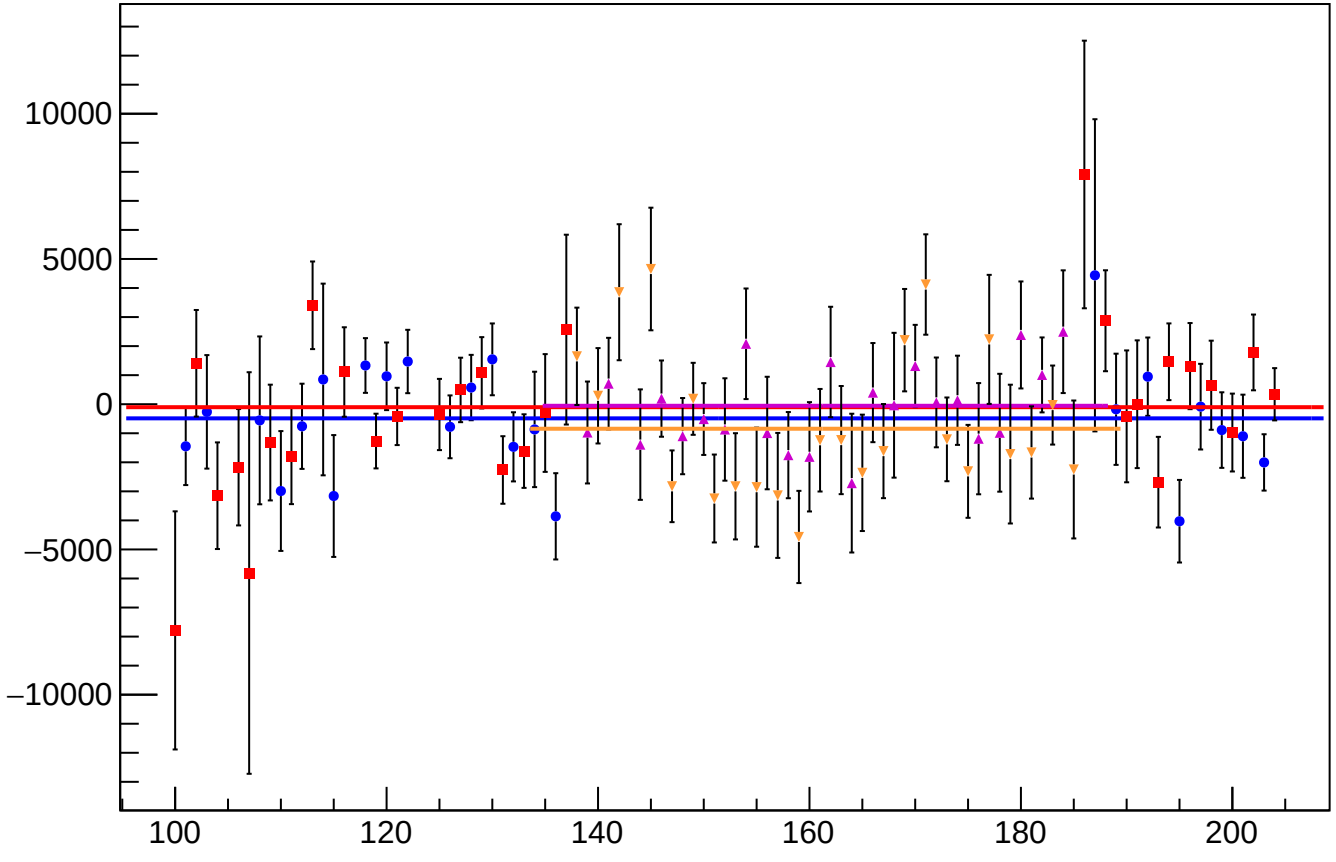
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1101.395+/-0.138 χ^2/NDF: 17336.0/47

All: 1103.527+/-0.096 χ^2/NDF: 39110.8/99

- sign 1105.557+/-0.135 χ^2/NDF: 21309.4/51

asym_usl_cor_correction_mean vs Slug



Right In: -486.910+/-284.736 χ^2/NDF: 32.9/23

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

Right Out: -102.607+/-272.949 χ^2/NDF: 38.6/28

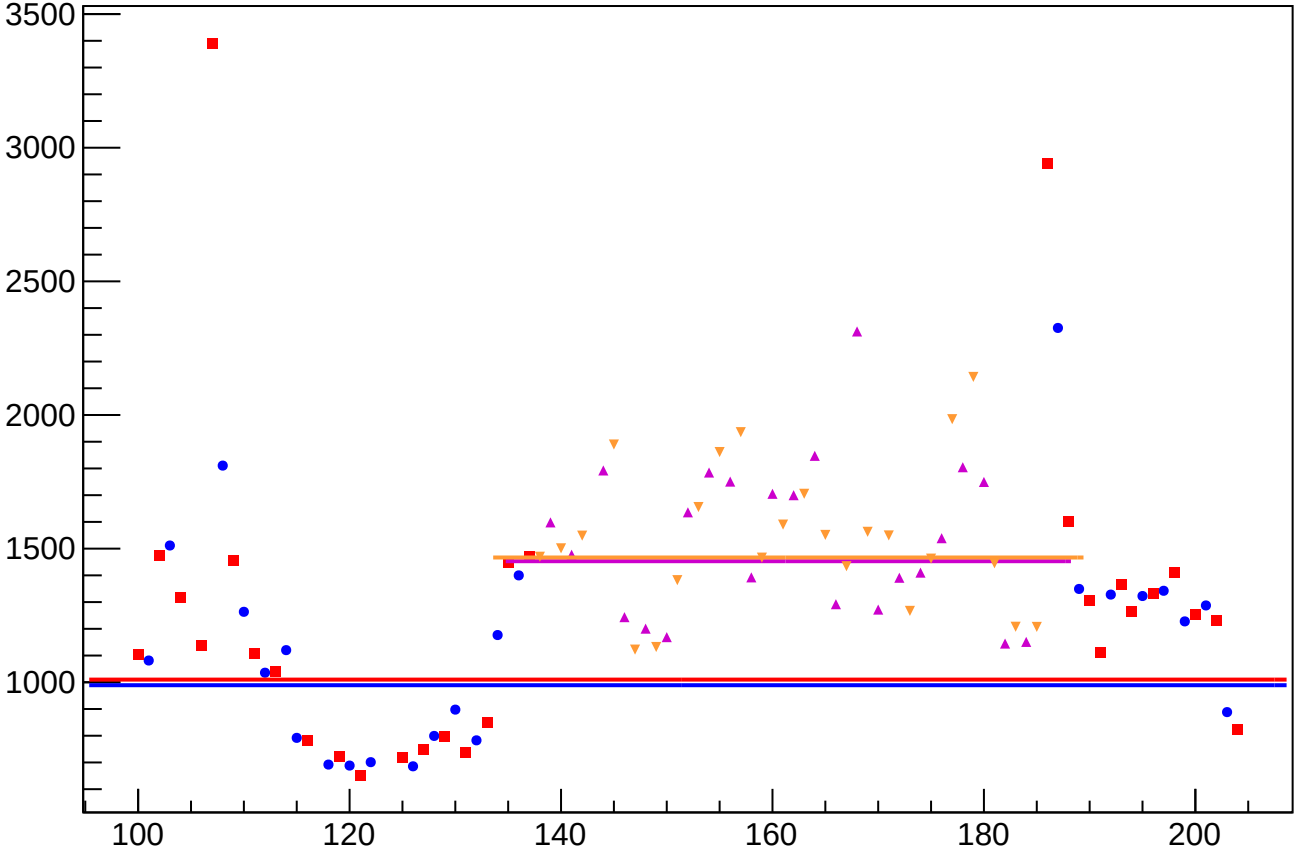
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -630.688+/-220.204 χ^2/NDF: 77.7/47

All: -349.947+/-153.573 χ^2/NDF: 132.5/99

- sign -84.092+/-214.287 χ^2/NDF: 51.7/51

asym_usl_cor_correction_rms vs Slug



Right In: 989.009+/-0.201 χ^2/NDF: 2022451.8/23

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

Right Out: 1010.001+/-0.193 χ^2/NDF: 2830484.1/28

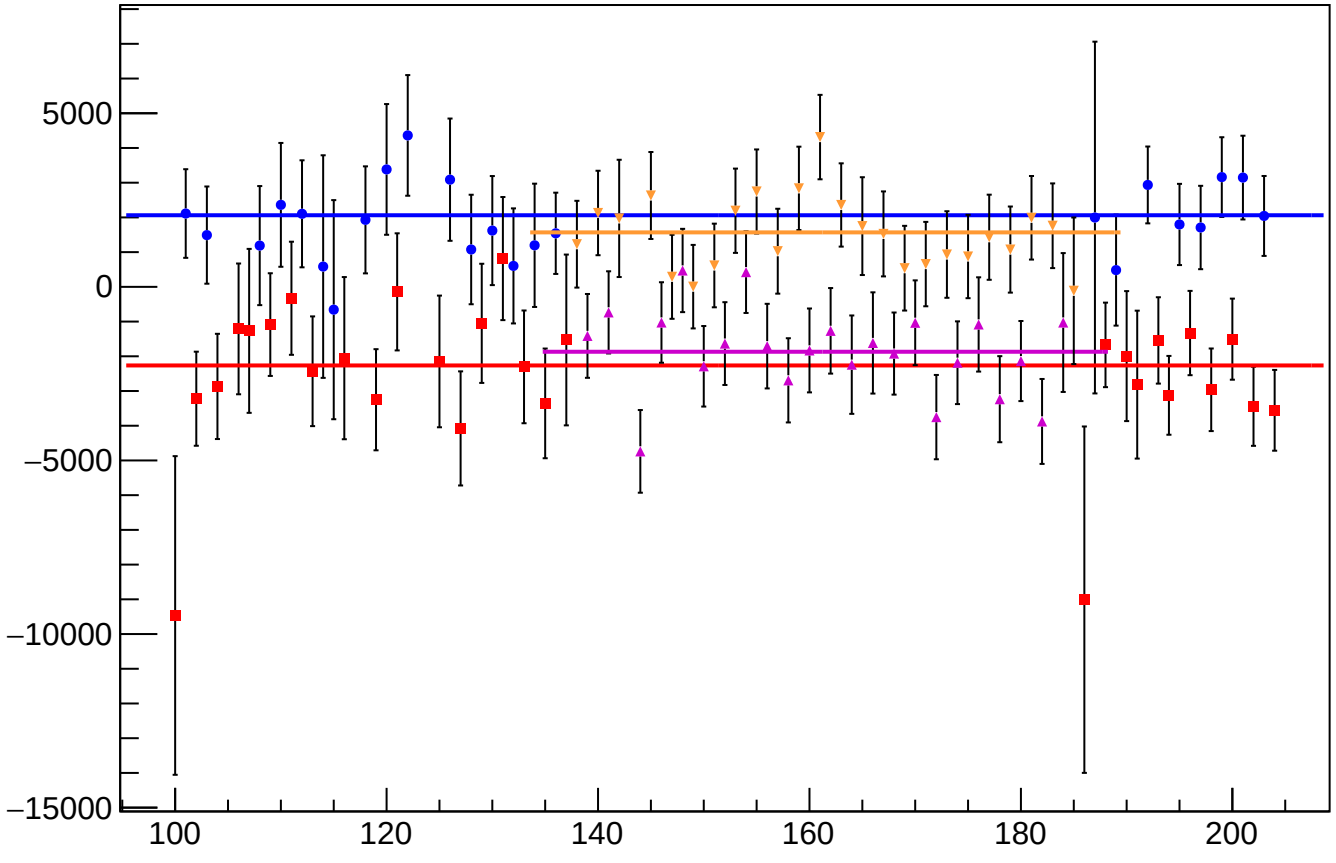
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1181.055+/-0.156 χ^2/NDF: 5329526.5/47

All: 1180.488+/-0.109 χ^2/NDF: 11310630.6/9

- sign 1179.951+/-0.152 χ^2/NDF: 5981078.3/51

overload_cor_asym_usl_mean vs Slug



Right In: 2062.597+/-303.657 χ^2/NDF: 9.1/23

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

Right Out: -2263.733+/-285.690 χ^2/NDF: 19.7/28

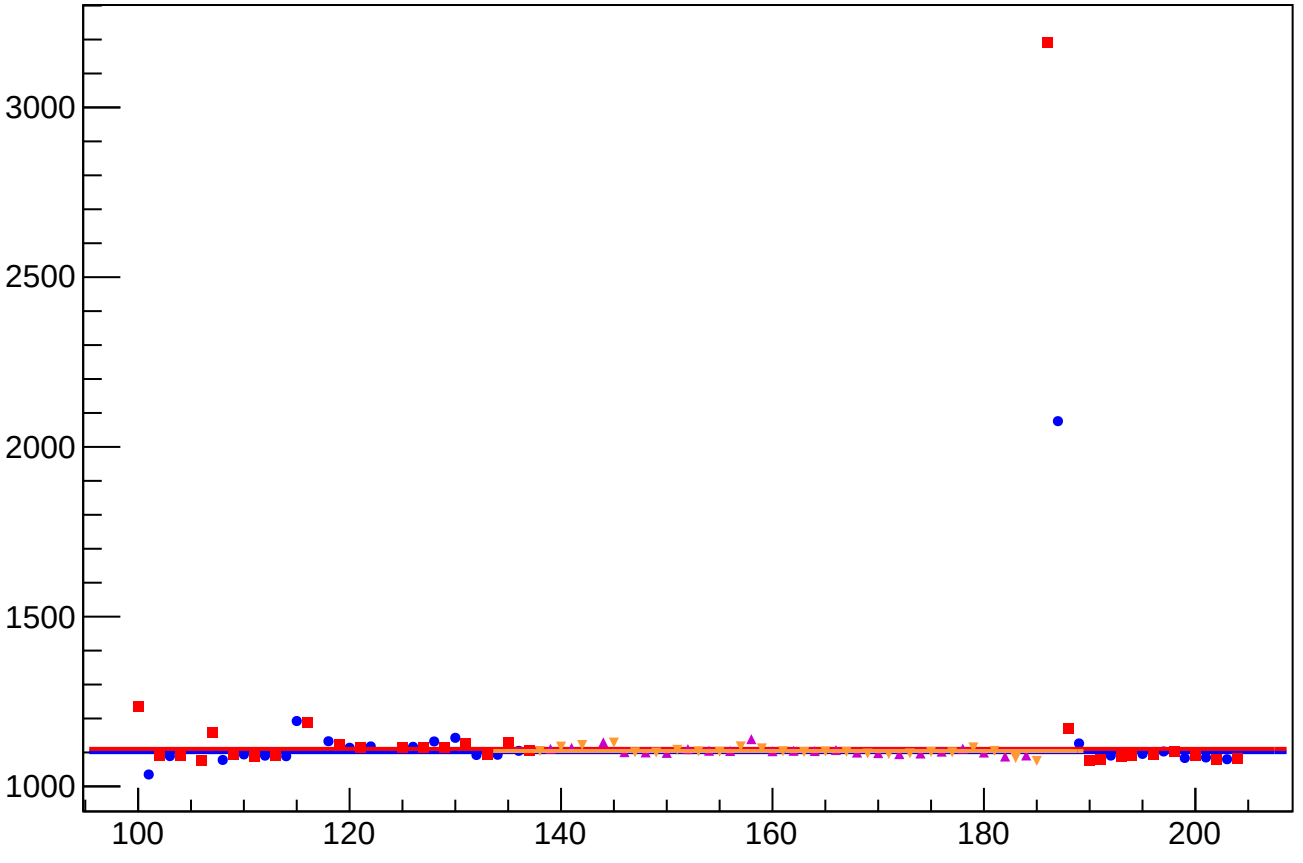
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1774.219+/-195.857 χ^2/NDF: 26.1/47

All: -178.978+/-136.932 χ^2/NDF: 264.8/99

- sign -2046.578+/-191.517 χ^2/NDF: 44.2/51

overload_cor_asym_usl_rms vs Slug



Right In: 1100.864+/-0.215 χ^2/NDF: 87573.3/23

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

Right Out: 1110.504+/-0.202 χ^2/NDF: 366179.9/28

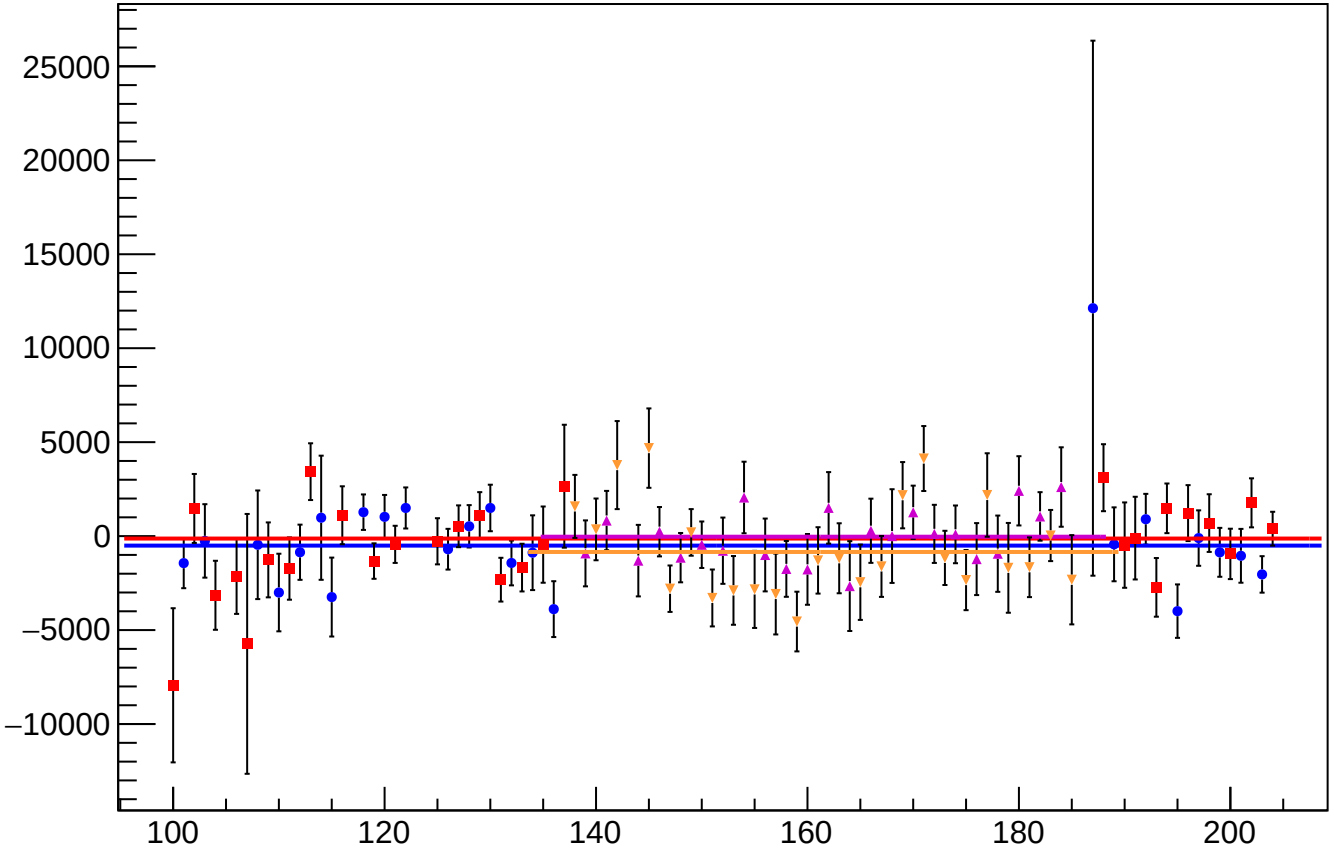
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1102.846+/-0.138 χ^2/NDF: 90718.5/47

All: 1105.319+/-0.097 χ^2/NDF: 461537.0/99

- sign 1107.683+/-0.135 χ^2/NDF: 370195.1/51

asym_usl_overload_cor_correction_mean vs Slug



Right In: -504.851+/-285.597 χ^2/NDF: 32.5/23

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

Right Out: -129.708+/-273.936 χ^2/NDF: 36.6/27

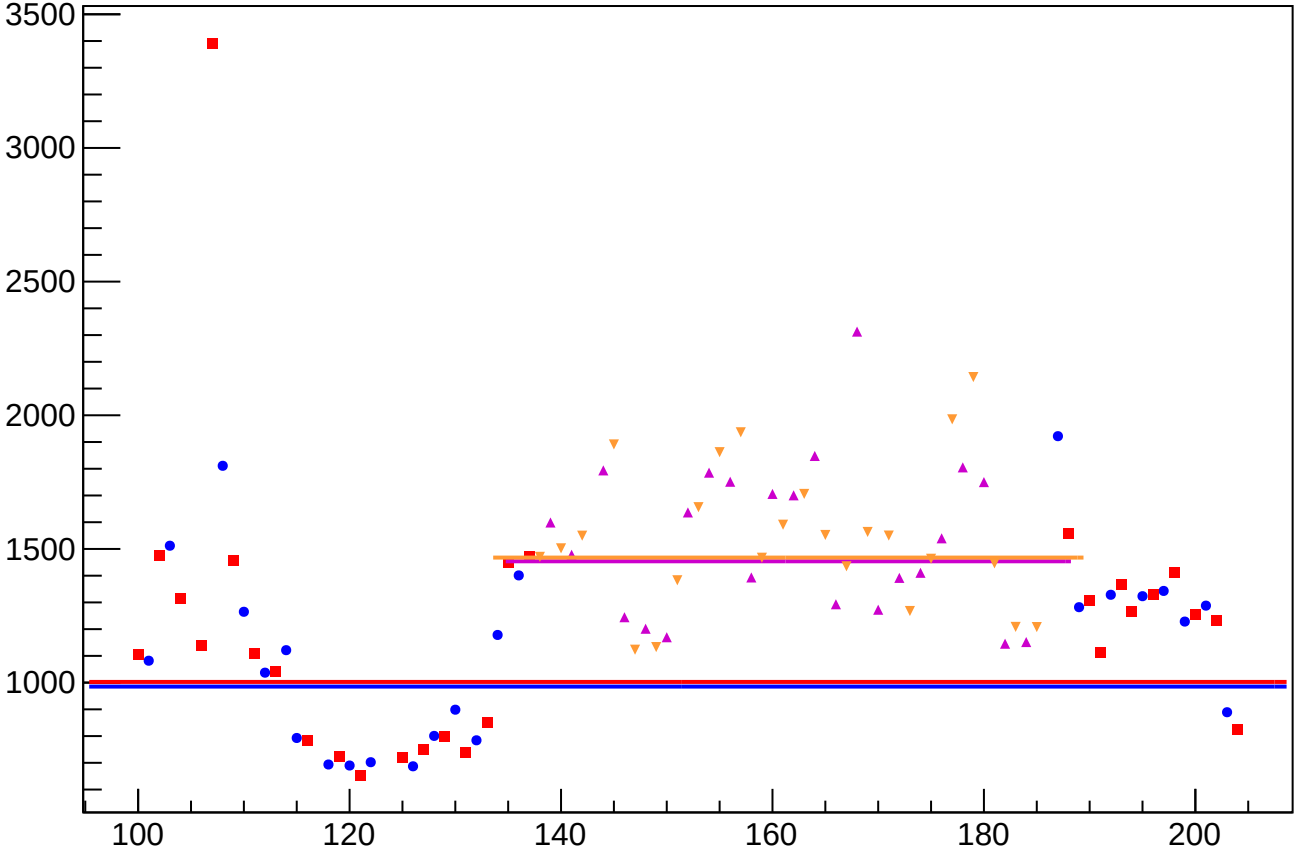
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -641.270+/-220.651 χ^2/NDF: 77.1/47

All: -359.188+/-153.917 χ^2/NDF: 130.0/98

- sign -91.845+/-214.810 χ^2/NDF: 49.7/50

asym_usl_overload_cor_correction_rms vs Slug



Right In: 985.186+/-0.202 χ^2/NDF: 1871839.7/23

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

Right Out: 1002.579+/-0.194 χ^2/NDF: 2423321.0/27

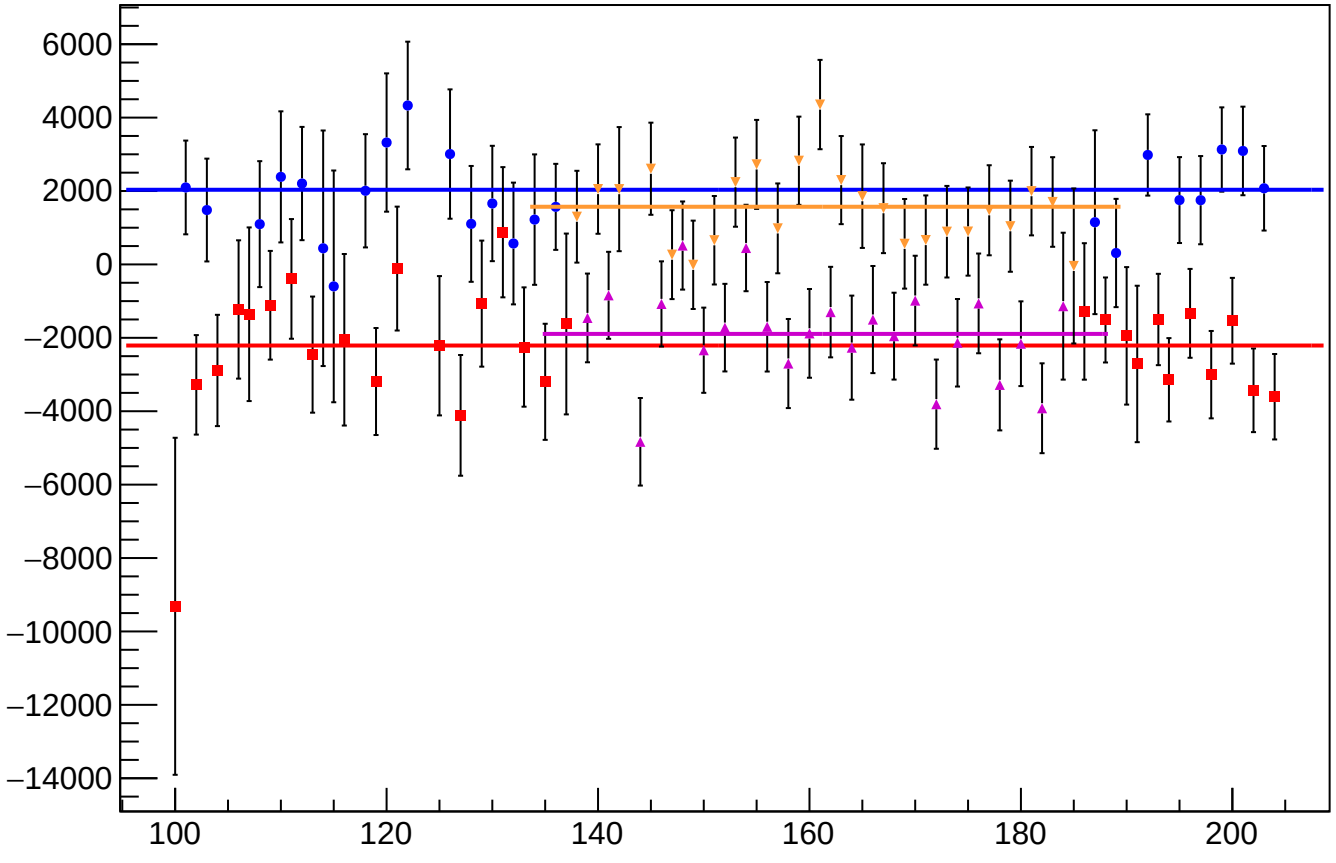
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1179.684+/-0.156 χ^2/NDF: 5214861.1/47

All: 1177.974+/-0.109 χ^2/NDF: 10856394.3/9

- sign 1176.354+/-0.152 χ^2/NDF: 5641299.3/50

eigen_cor_asym_usl_mean vs Slug



Right In: 2033.928+/-301.255 χ^2/NDF: 9.5/23

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

Right Out: -2209.878+/-282.168 χ^2/NDF: 18.3/28

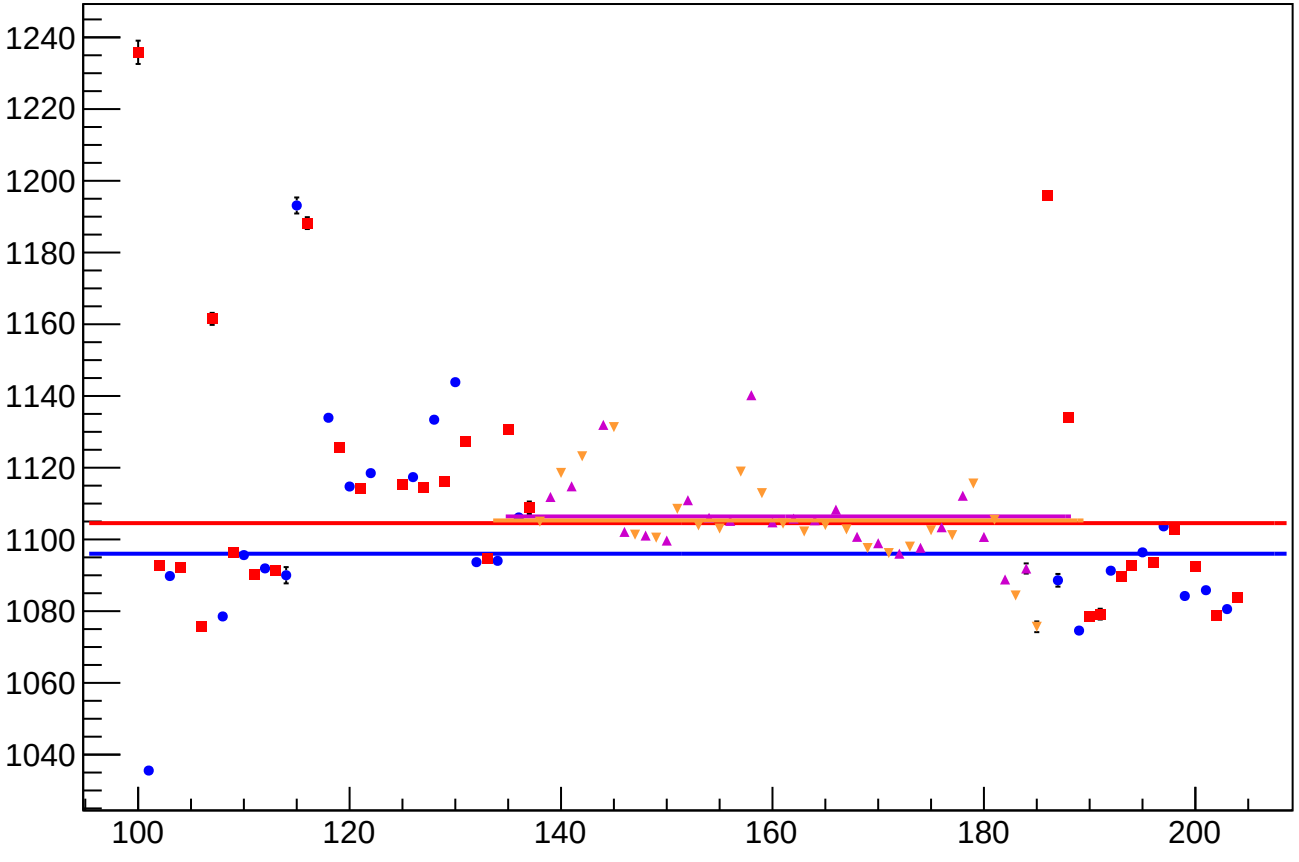
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1765.619+/-195.315 χ^2/NDF: 26.3/47

All: -183.073+/-136.389 χ^2/NDF: 263.6/99

- sign -2037.685+/-190.542 χ^2/NDF: 43.1/51

eigen_cor_asym_usl_rms vs Slug



Right In: 1096.017+/-0.213 χ^2/NDF: 13074.9/23

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

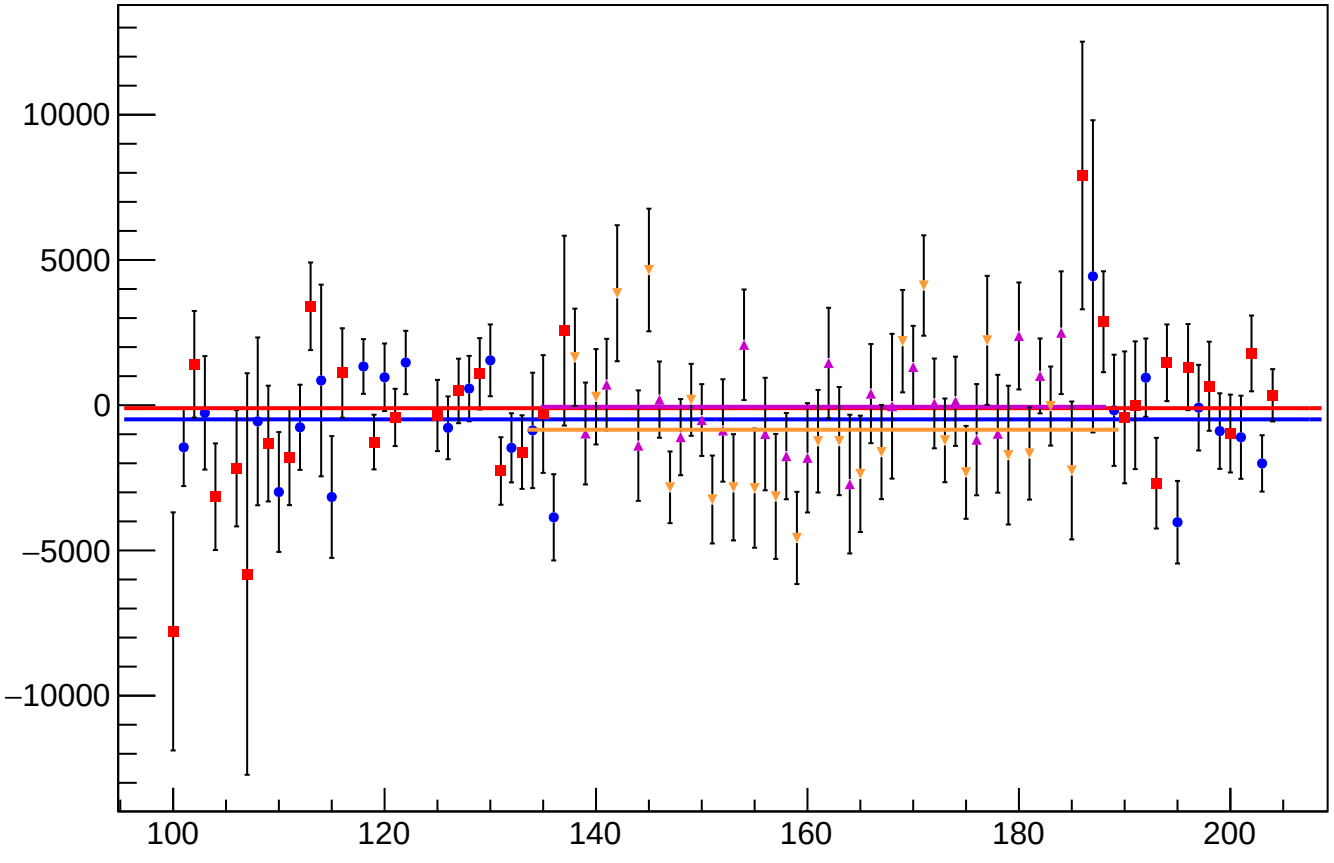
Right Out: 1104.546+/-0.200 χ^2/NDF: 17485.7/28

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

+ sign 1101.395+/-0.138 χ^2/NDF: 17336.0/47

All: 1103.527+/-0.096 χ^2/NDF: 39110.8/99

- sign 1105.557+/-0.135 χ^2/NDF: 21309.4/51



Right In: -486.910+/-284.736 χ^2/NDF: 32.9/23

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

Right Out: -102.607+/-272.949 χ^2/NDF: 38.6/28

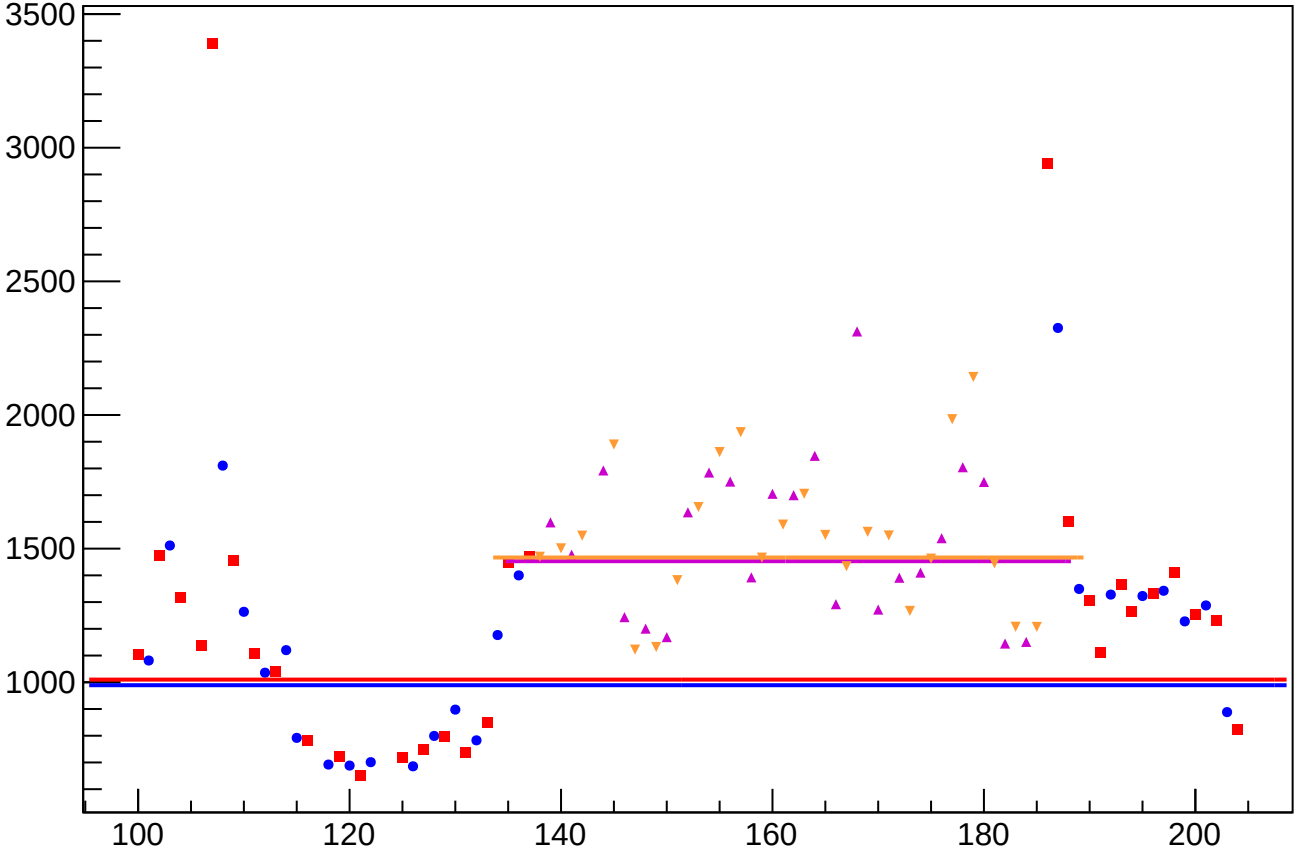
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -630.688+/-220.204 χ^2/NDF: 77.7/47

All: -349.947+/-153.573 χ^2/NDF: 132.5/99

- sign -84.092+/-214.287 χ^2/NDF: 51.7/51

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 989.009+/-0.201 χ^2/NDF: 2022451.8/23

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

Right Out: 1010.001+/-0.193 χ^2/NDF: 2830484.1/28

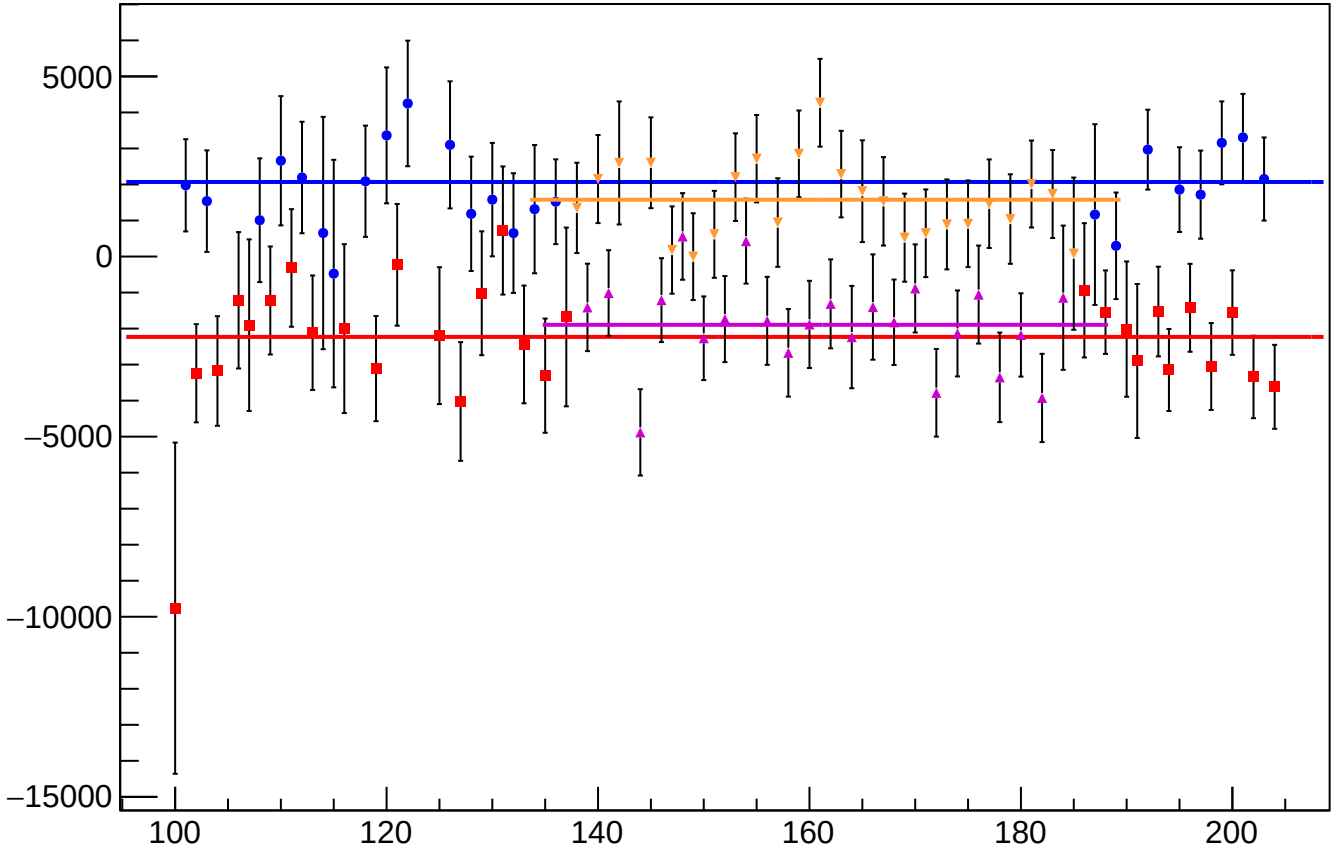
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1181.055+/-0.156 χ^2/NDF: 5329526.5/47

All: 1180.488+/-0.109 χ^2/NDF: 11310630.6/9

- sign 1179.951+/-0.152 χ^2/NDF: 5981078.3/51

dit_asym_usl_mean vs Slug



Right In: 2069.755+/-302.347 χ^2/NDF: 9.7/23

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

Right Out: -2231.126+/-283.263 χ^2/NDF: 18.0/28

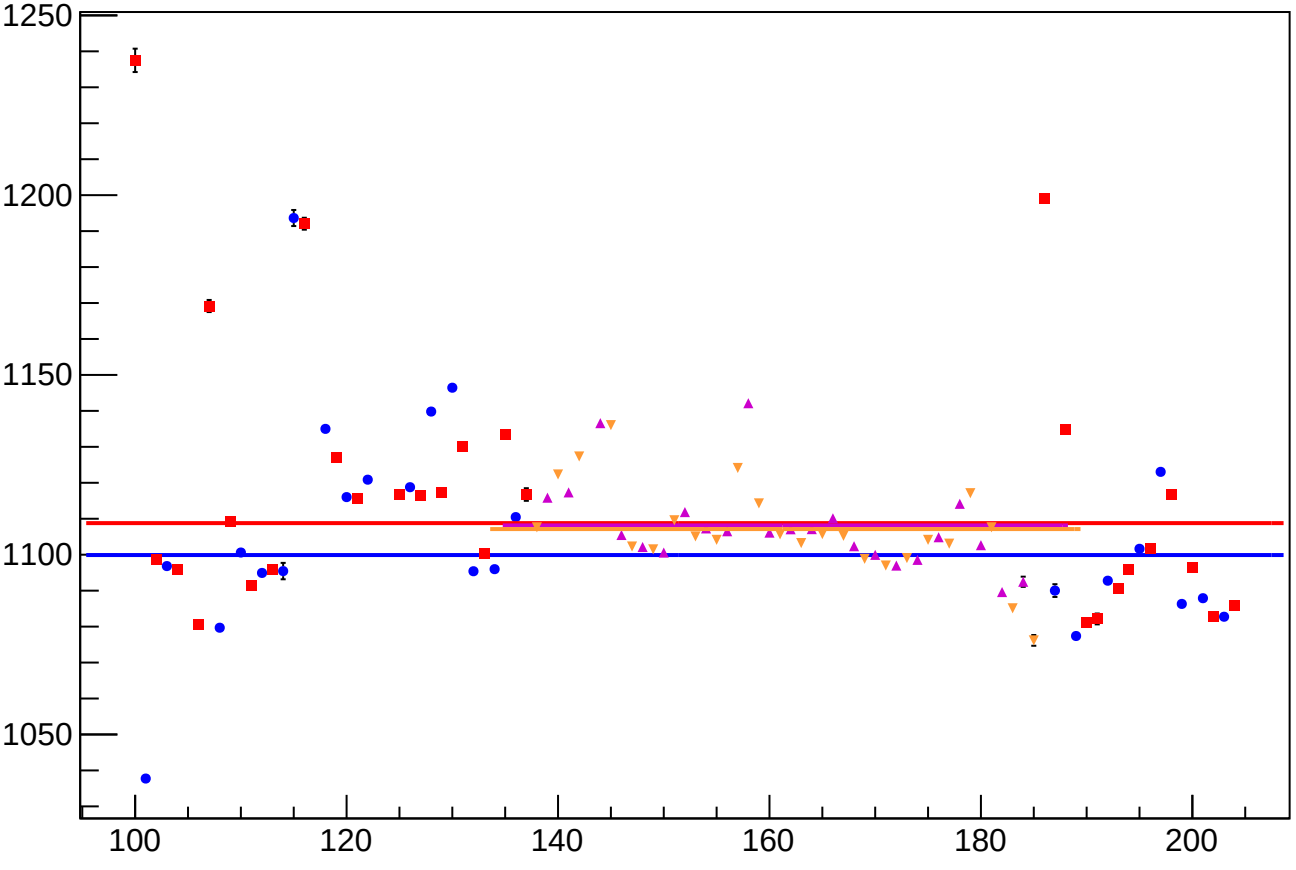
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1783.926+/-195.818 χ^2/NDF: 26.7/47

All: -179.423+/-136.745 χ^2/NDF: 265.8/99

- sign -2048.192+/-191.043 χ^2/NDF: 42.9/51

dit_asym_usl_rms vs Slug



Right In: 1099.904+/-0.214 χ^2/NDF: 13898.6/23

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

Right Out: 1108.784+/-0.200 χ^2/NDF: 17056.8/28

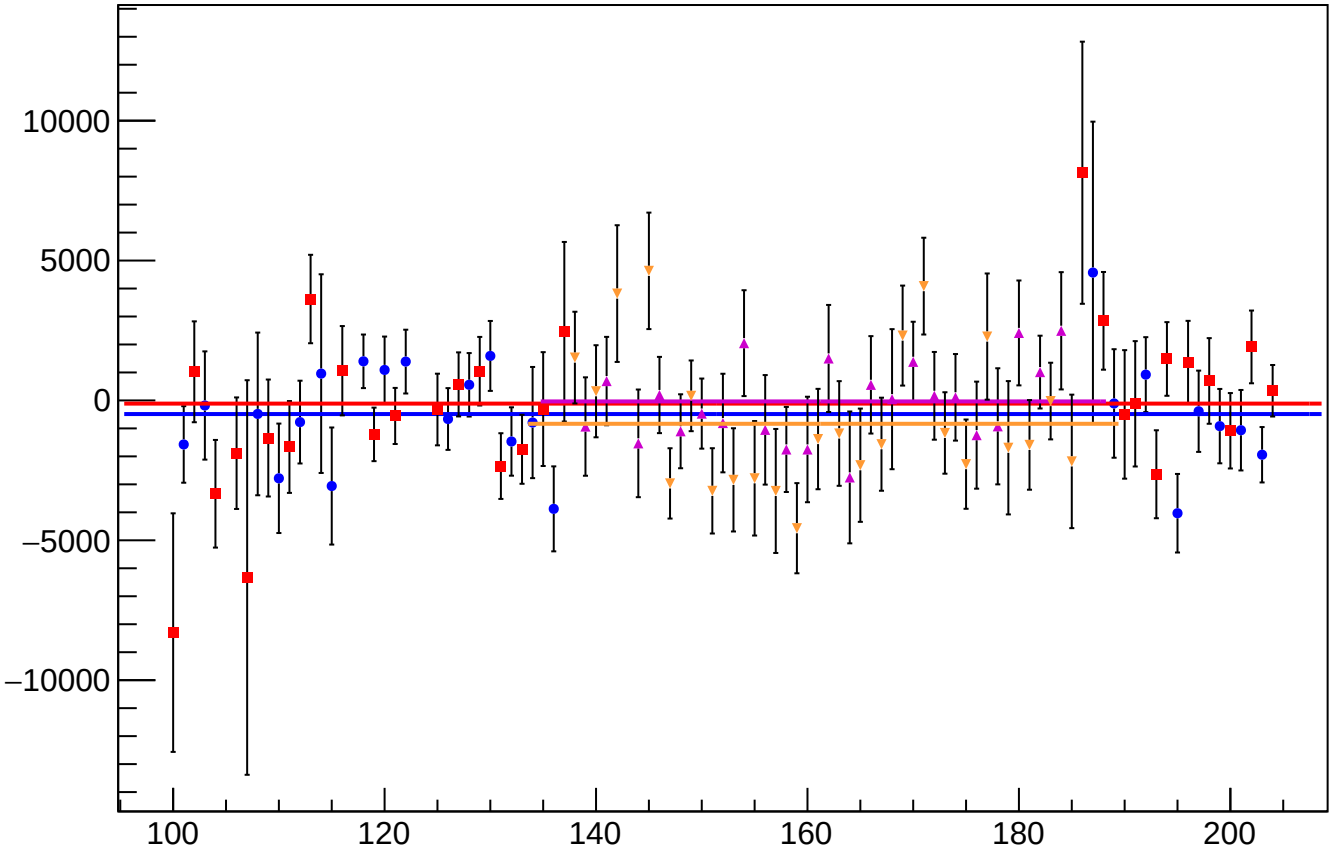
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1104.097+/-0.138 χ^2/NDF: 18344.9/47

All: 1106.320+/-0.097 χ^2/NDF: 40100.9/99

- sign 1108.436+/-0.135 χ^2/NDF: 21252.9/51

asym_usl_dit_correction_mean vs Slug



Right In: -486.901+/-288.551 χ^2/NDF: 32.2/23

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

Right Out: -113.604+/-276.317 χ^2/NDF: 39.2/28

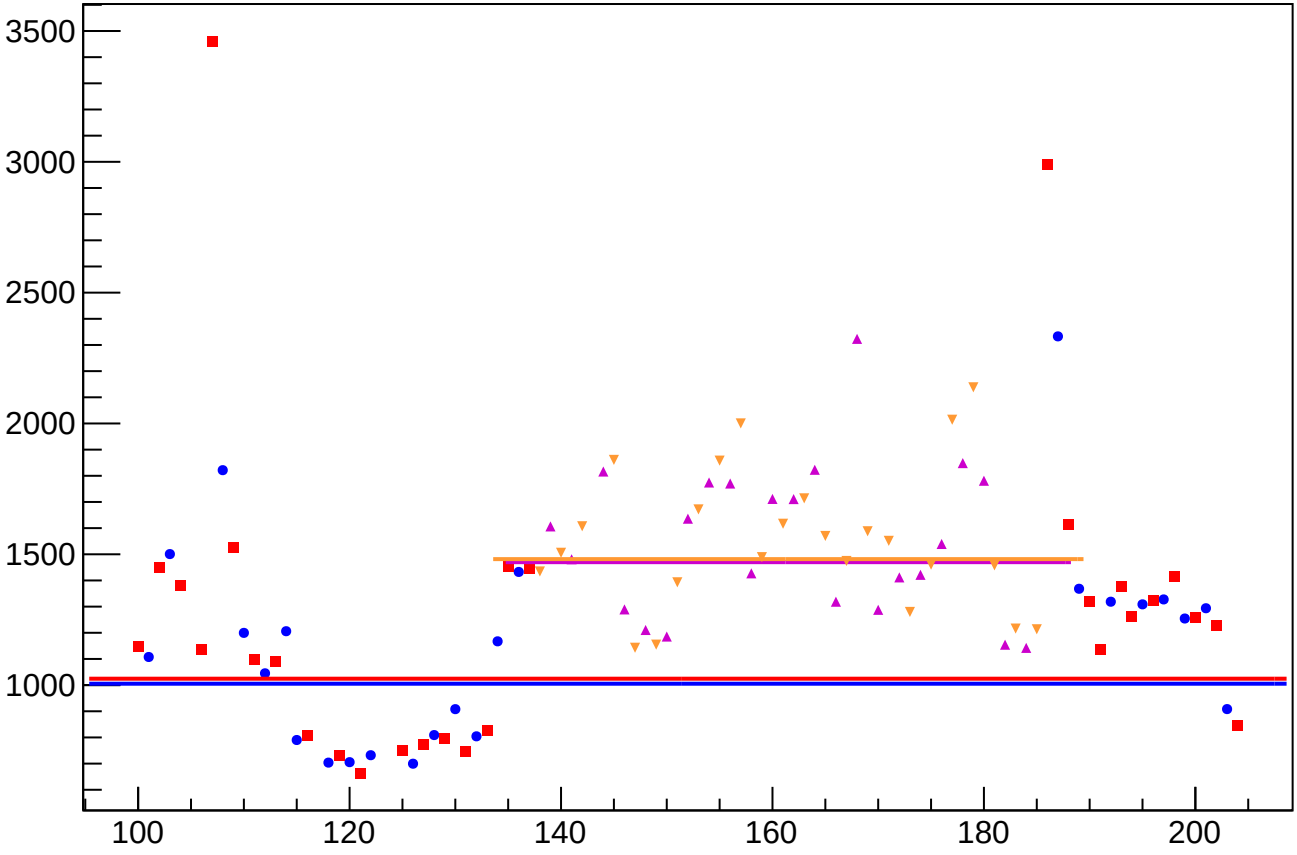
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -627.581+/-222.801 χ^2/NDF: 76.3/47

All: -348.144+/-155.375 χ^2/NDF: 131.8/99

- sign -83.583+/-216.789 χ^2/NDF: 52.4/51

asym_usl_dit_correction_rms vs Slug



Right In: 1005.366+/-0.204 χ^2/NDF: 1901504.6/23

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

Right Out: 1024.509+/-0.195 χ^2/NDF: 2758638.4/28

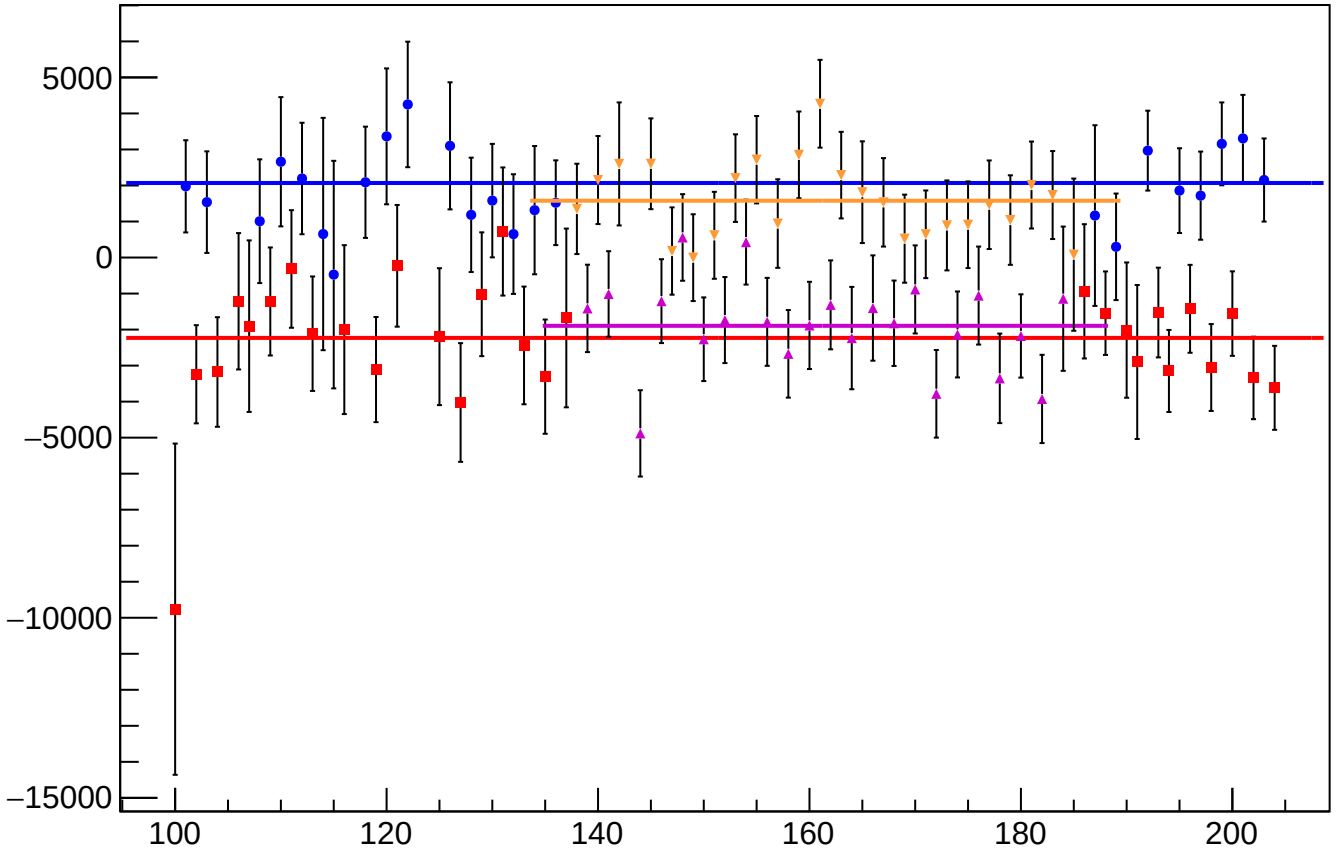
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 1197.649+/-0.158 χ^2/NDF: 5118318.6/47

All: 1196.670+/-0.110 χ^2/NDF: 10969900.1/9

- sign 1195.744+/-0.153 χ^2/NDF: 5851506.4/51

eigen_dit_asym_usl_mean vs Slug



Right In: 2069.755+/-302.347 χ^2/NDF: 9.7/23

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

Right Out: -2231.125+/-283.263 χ^2/NDF: 18.0/28

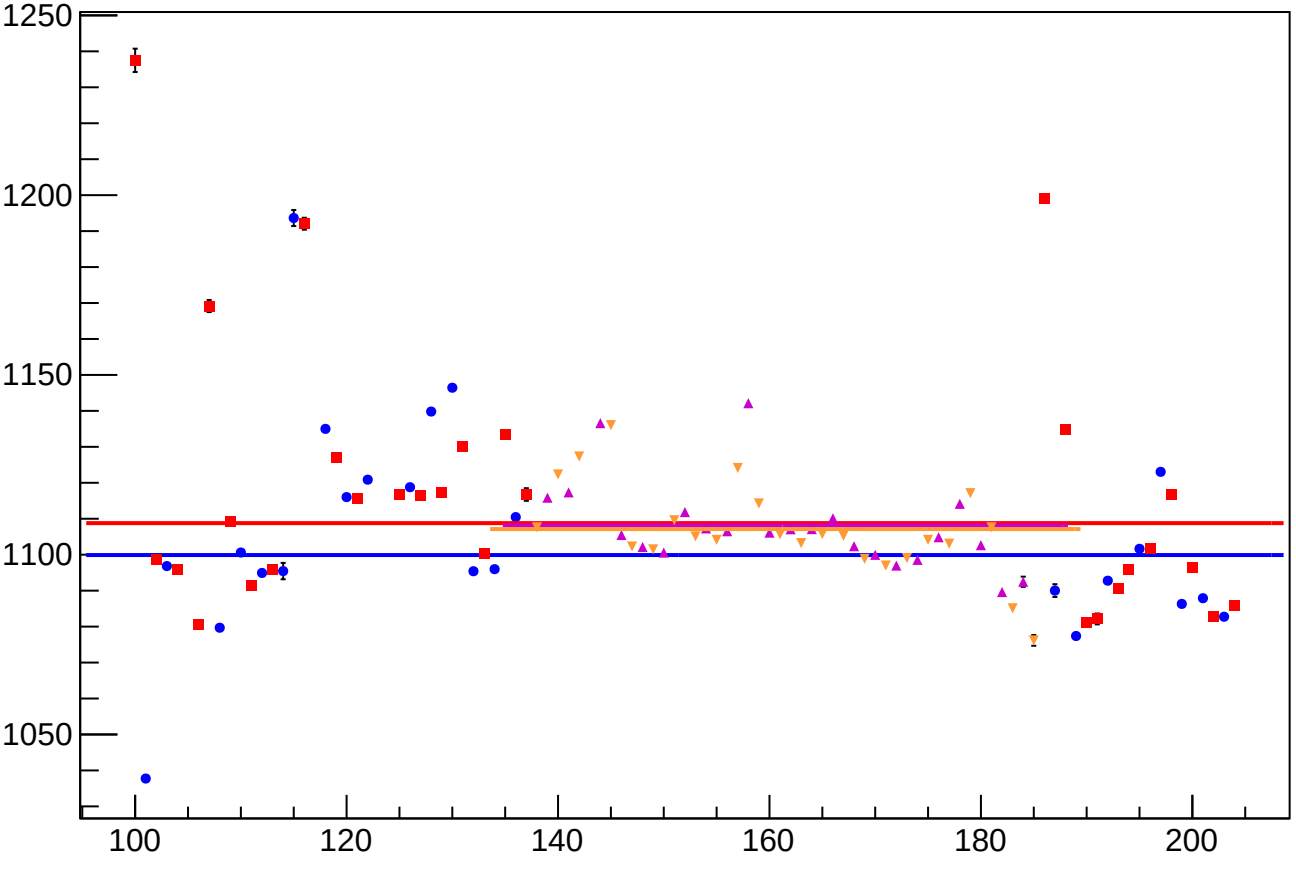
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

+ sign 1783.924+/-195.818 χ^2/NDF: 26.7/47

All: -179.424+/-136.745 χ^2/NDF: 265.8/99

- sign -2048.192+/-191.043 χ^2/NDF: 42.9/51

eigen_dit_asym_usl_rms vs Slug



Right In: 1099.904+/-0.214 χ^2/NDF: 13898.6/23

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

Right Out: 1108.784+/-0.200 χ^2/NDF: 17056.8/28

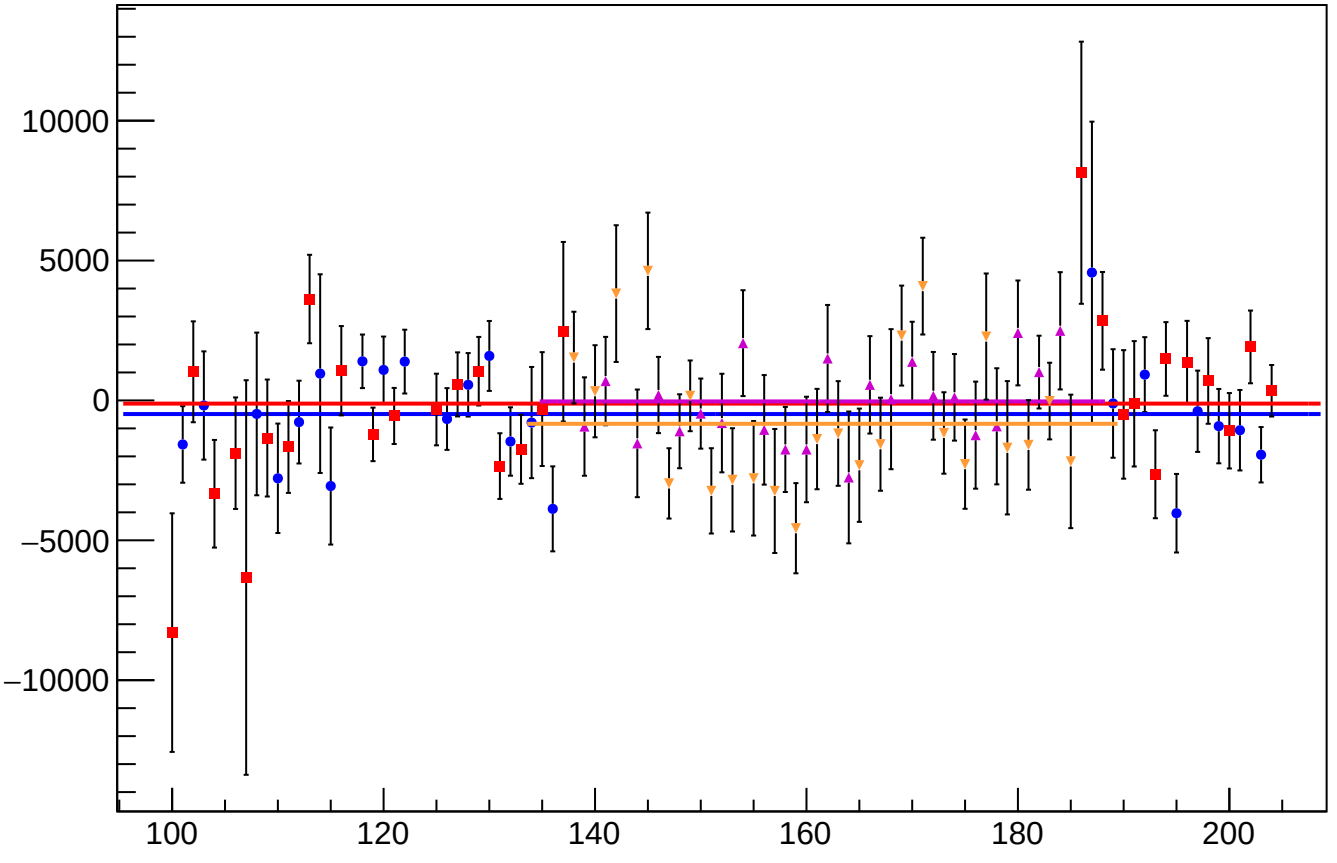
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1104.097+/-0.138 χ^2/NDF: 18344.9/47

All: 1106.320+/-0.097 χ^2/NDF: 40100.8/99

- sign 1108.436+/-0.135 χ^2/NDF: 21252.8/51

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -486.899+/-288.550 χ^2/NDF: 32.2/23

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

Right Out: -113.605+/-276.317 χ^2/NDF: 39.2/28

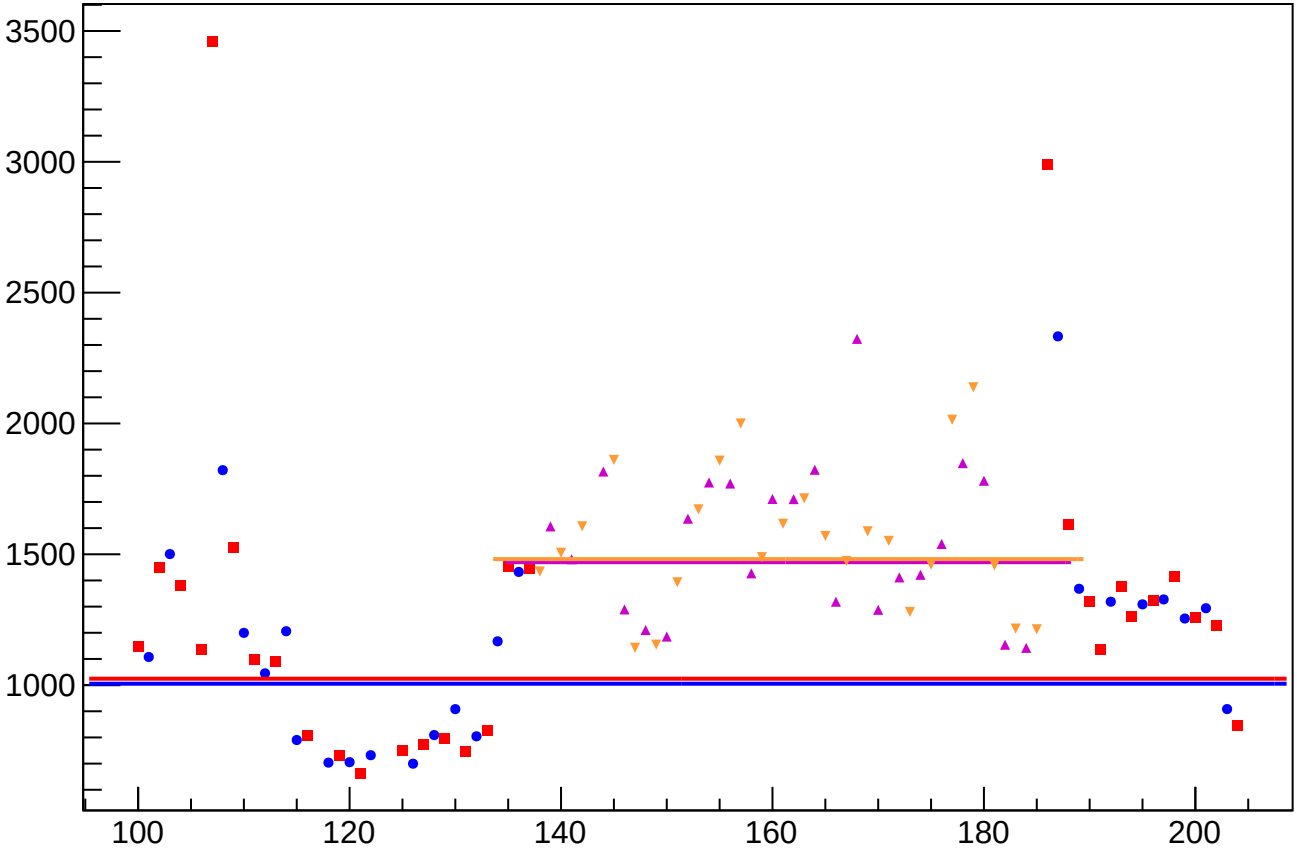
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -627.581+/-222.801 χ^2/NDF: 76.3/47

All: -348.145+/-155.375 χ^2/NDF: 131.8/99

- sign -83.583+/-216.789 χ^2/NDF: 52.4/51

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 1005.365+/-0.204 χ^2/NDF: 1901516.0/23

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

Right Out: 1024.508+/-0.195 χ^2/NDF: 2758650.7/28

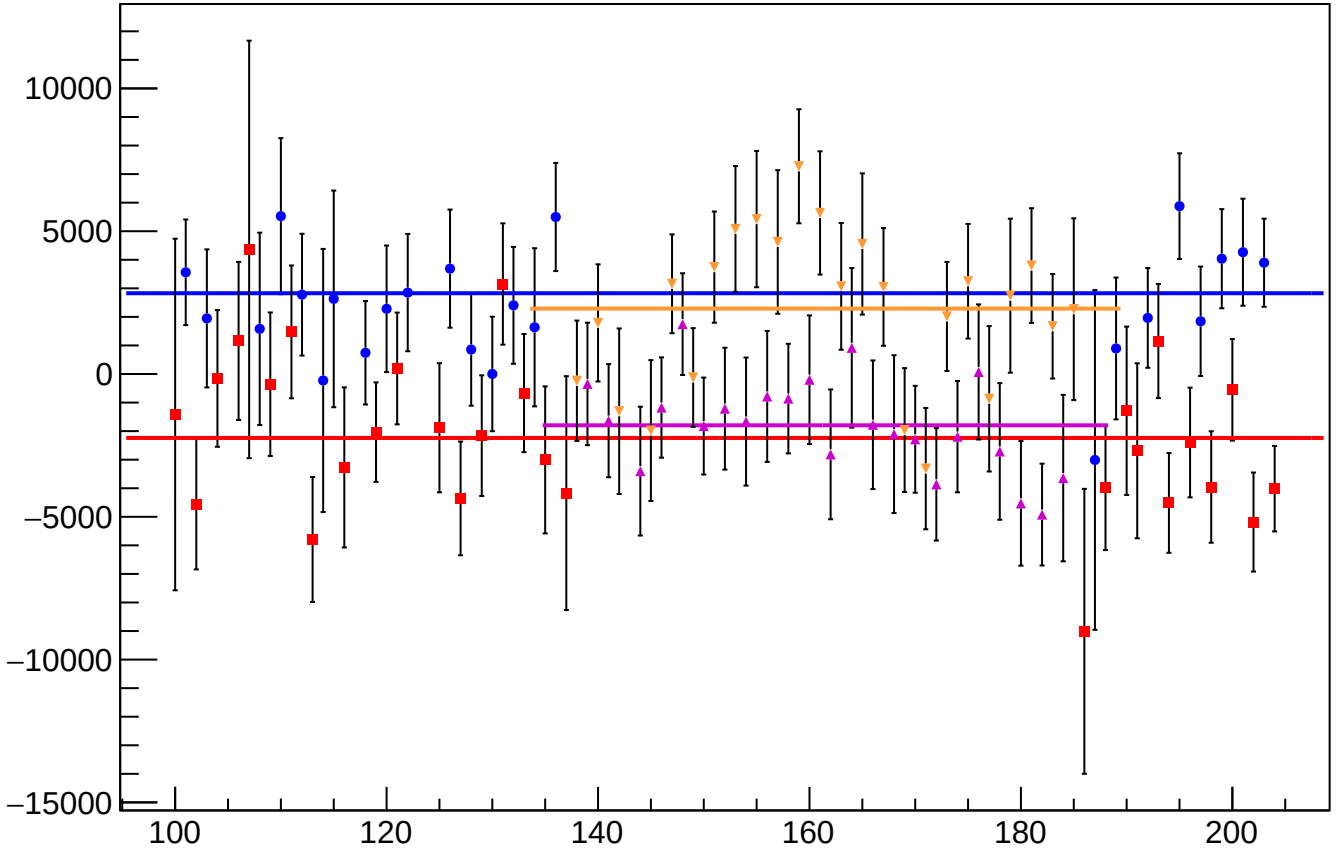
Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

+ sign 1197.648+/-0.158 χ^2/NDF: 5118354.5/47

All: 1196.670+/-0.110 χ^2/NDF: 10969972.1/9

- sign 1195.743+/-0.153 χ^2/NDF: 5851542.5/51

asym_usl_mean vs Slug



Right In: 2828.477+/-435.320 χ^2/NDF: 15.0/23

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

Right Out: -2238.892+/-414.212 χ^2/NDF: 33.2/28

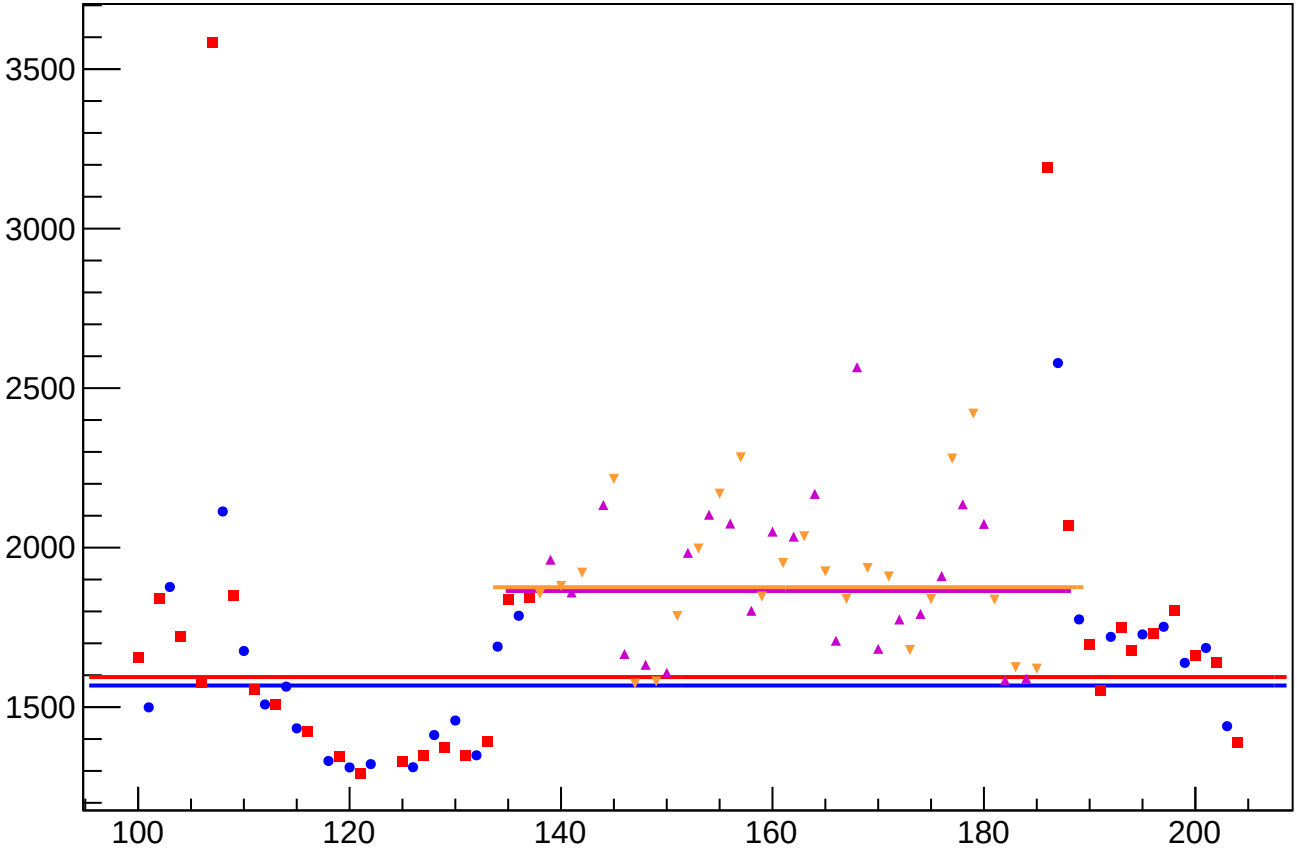
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2561.558+/-309.225 χ^2/NDF: 51.7/47

All: 206.077+/-215.806 χ^2/NDF: 212.9/99

- sign -2030.519+/-301.320 χ^2/NDF: 48.0/51

asym_usl_rms vs Slug



Right In: 1567.741+/-0.308 χ^2/NDF: 432756.7/23

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

Right Out: 1594.240+/-0.293 χ^2/NDF: 844159.2/28

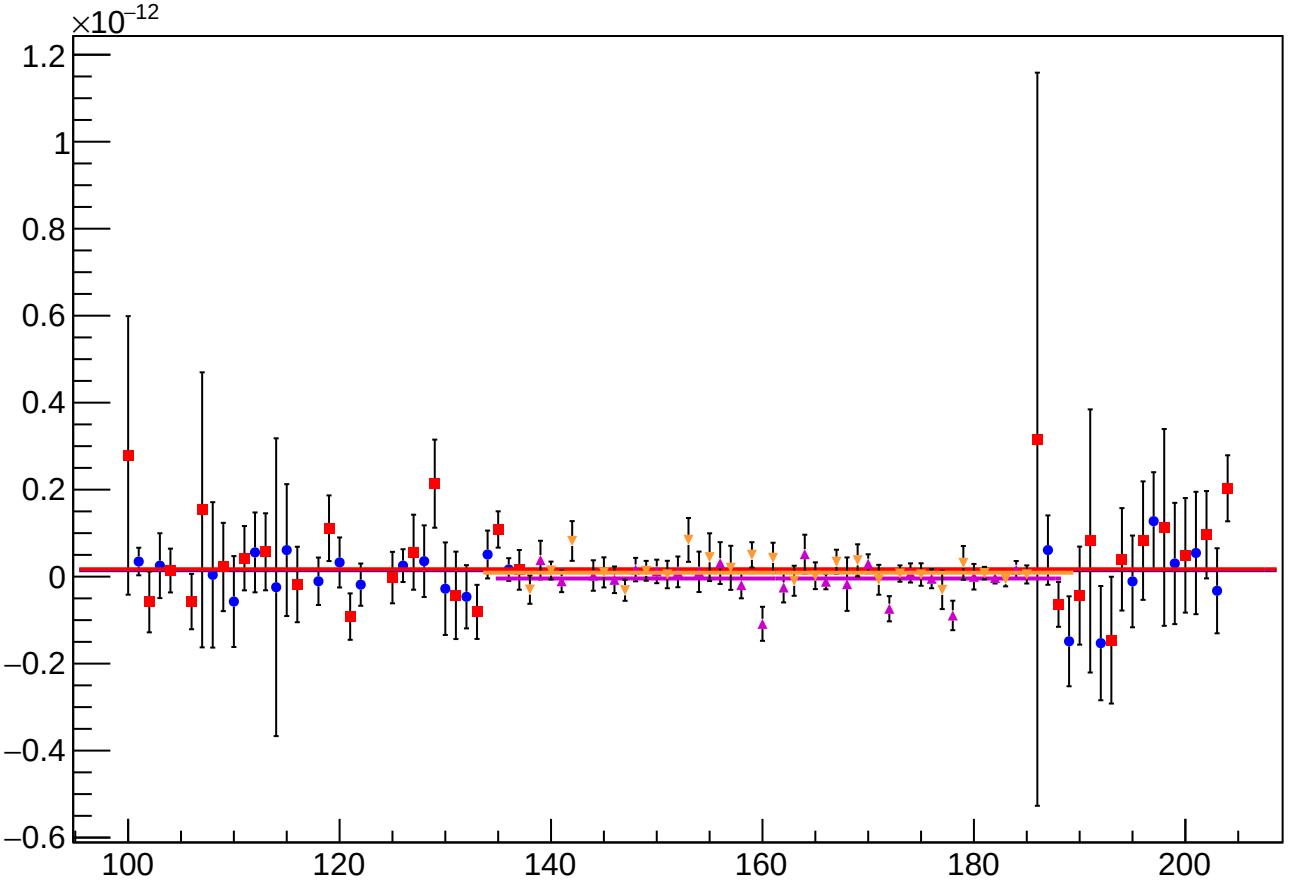
Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

+ sign 1720.368+/-0.219 χ^2/NDF: 1401567.0/47

All: 1720.857+/-0.153 χ^2/NDF: 3156196.4/99

- sign 1721.322+/-0.213 χ^2/NDF: 1754619.7/51

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/23

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

Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/28

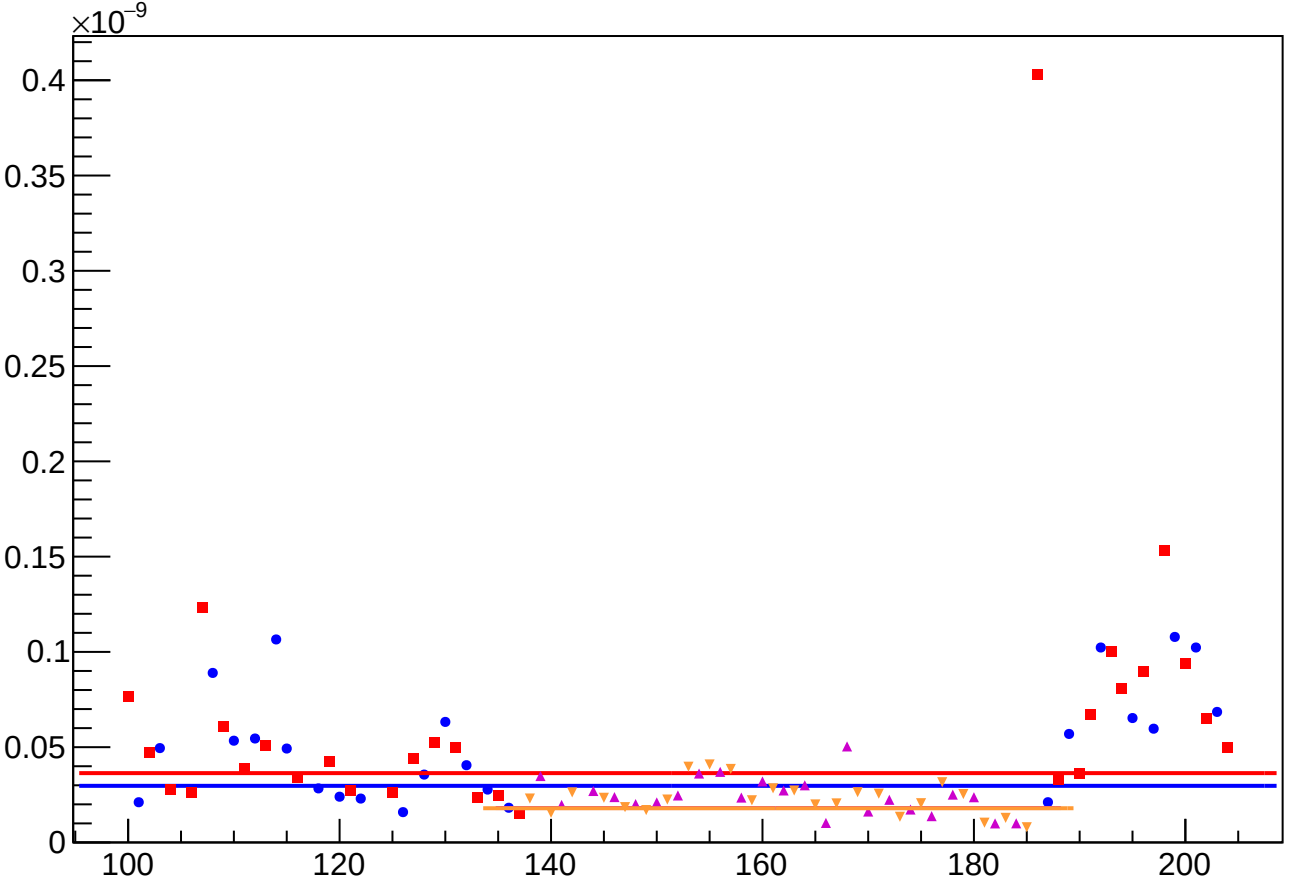
Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 26.0/47

All: 0.000+/-0.000 χ^2/NDF: 91.2/99

- sign -0.000+/-0.000 χ^2/NDF: 62.6/51

asym_usl_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4513964.5/23

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

Right Out: 0.000+/-0.000 χ^2/NDF: 3946683.1/28

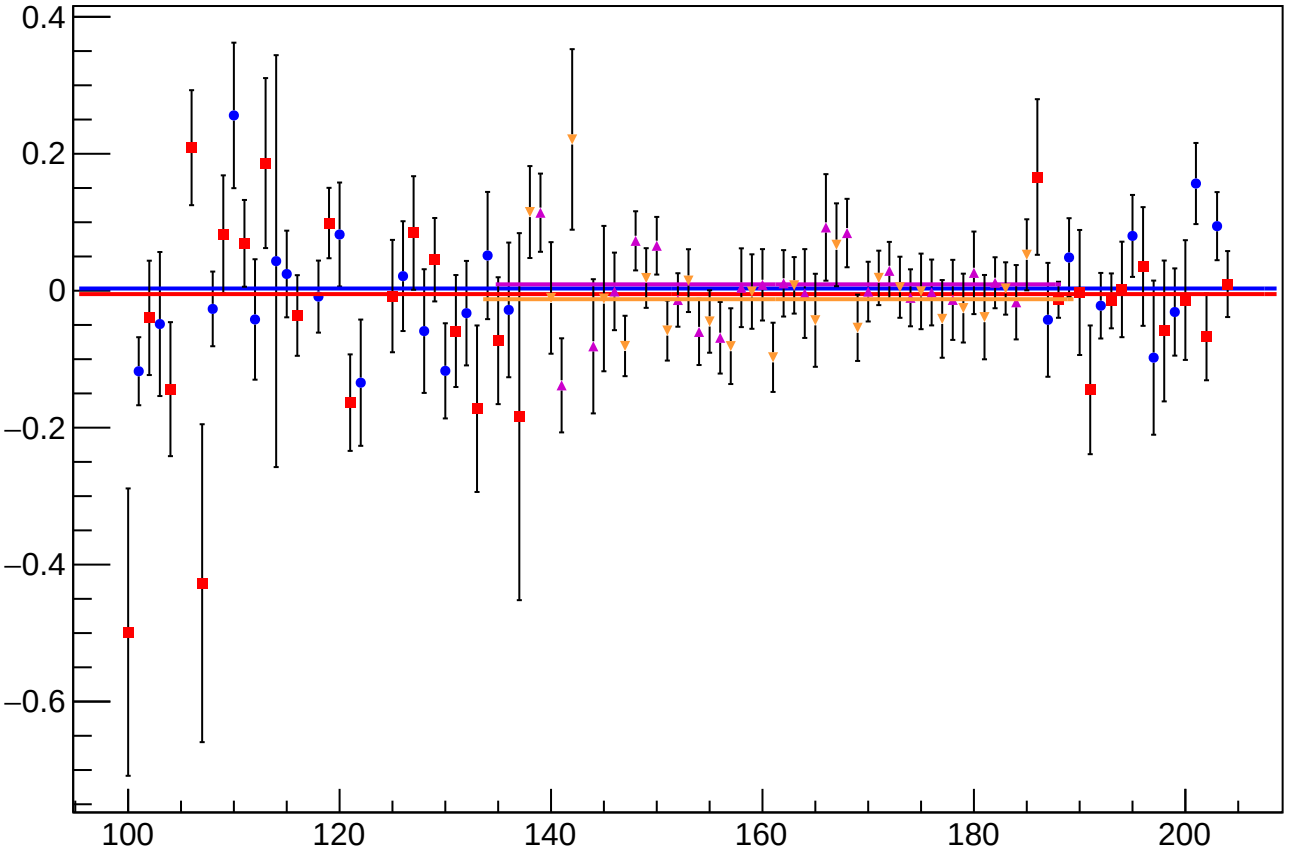
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9442694.8/47

All: 0.000+/-0.000 χ^2/NDF: 20424668.3/99

- sign 0.000+/-0.000 χ^2/NDF: 10966701.9/51

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.014 χ^2/NDF: 34.0/23

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

Right Out: -0.005+/-0.013 χ^2/NDF: 43.1/28

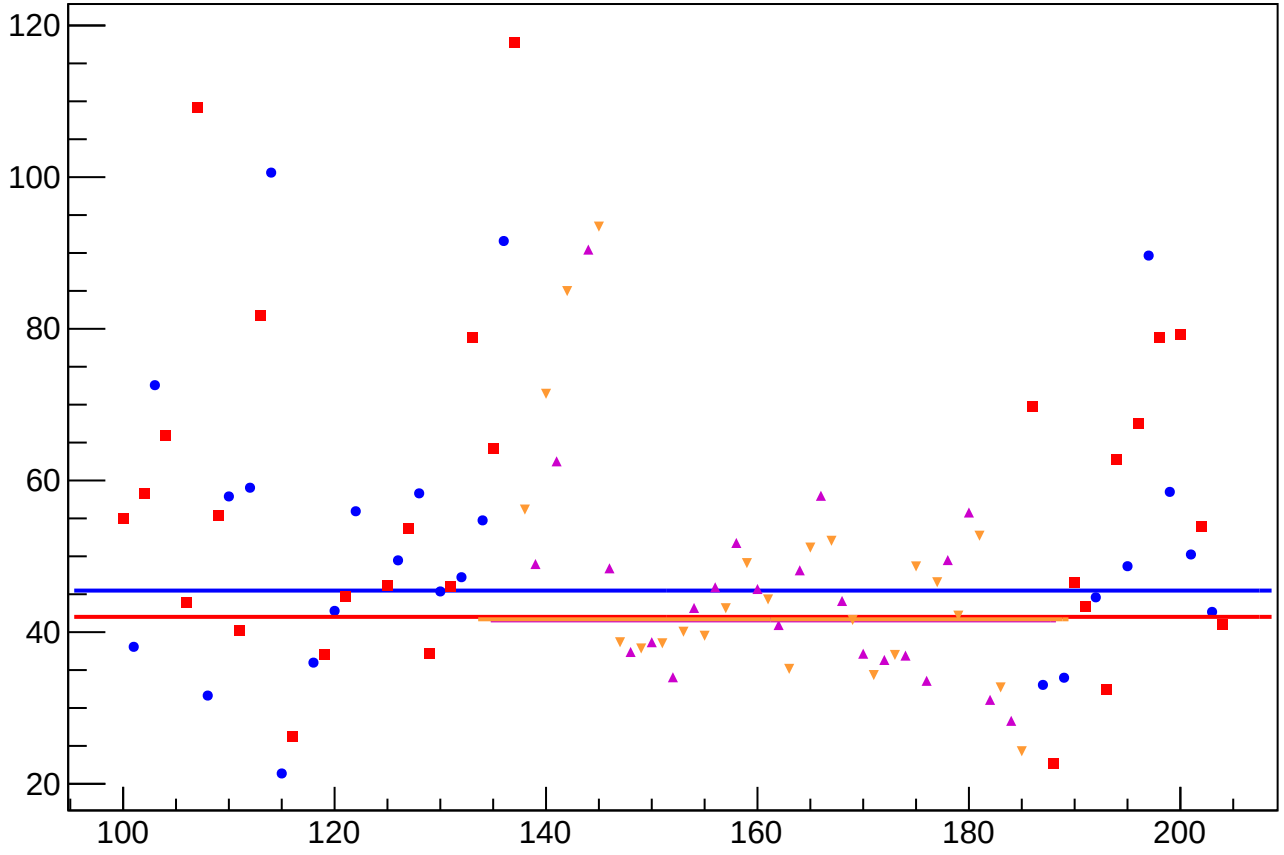
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.007+/-0.008 χ^2/NDF: 56.7/47

All: -0.001+/-0.006 χ^2/NDF: 123.2/99

- sign 0.003+/-0.008 χ^2/NDF: 65.7/51

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 45.482+/-0.010 χ^2/NDF: 1880112.4/23

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

Right Out: 42.016+/-0.009 χ^2/NDF: 3667197.5/28

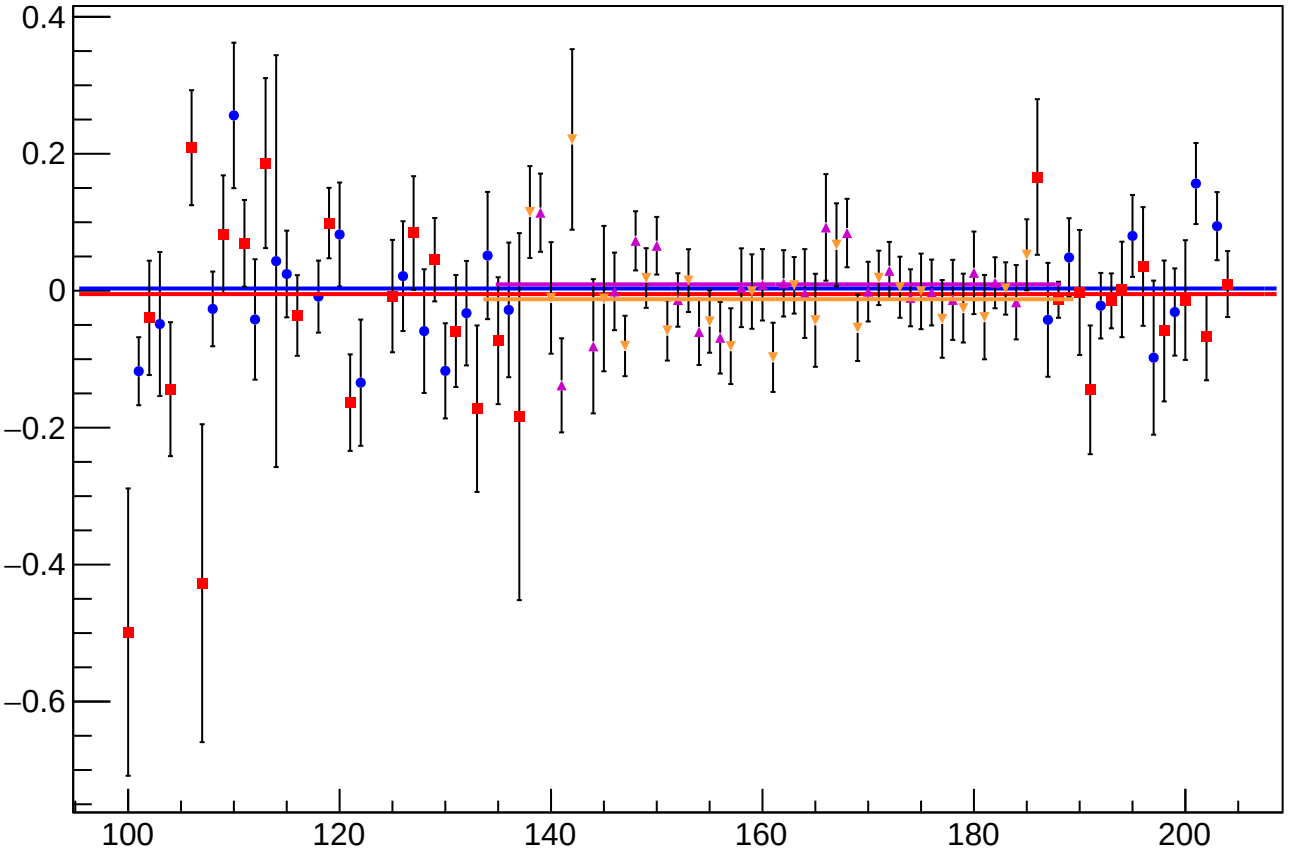
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 43.042+/-0.006 χ^2/NDF: 3794646.9/47

All: 42.363+/-0.004 χ^2/NDF: 9101378.3/99

- sign 41.740+/-0.006 χ^2/NDF: 5281788.3/51

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.014 χ^2/NDF: 34.0/23

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

Right Out: -0.005+/-0.013 χ^2/NDF: 43.1/28

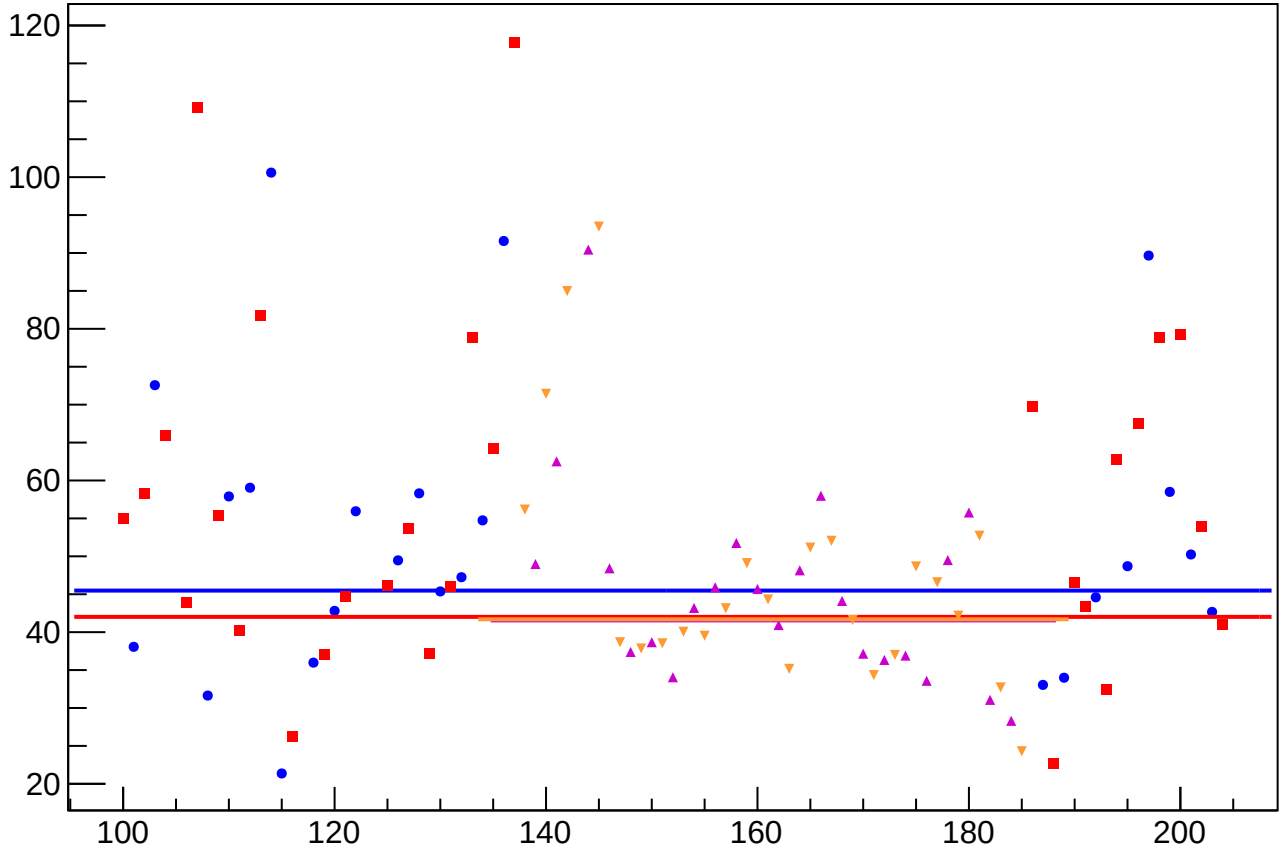
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.007+/-0.008 χ^2/NDF: 56.7/47

All: -0.001+/-0.006 χ^2/NDF: 123.2/99

- sign 0.003+/-0.008 χ^2/NDF: 65.7/51

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.482+/-0.010 χ^2/NDF: 1880112.4/23

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

Right Out: 42.016+/-0.009 χ^2/NDF: 3667197.5/28

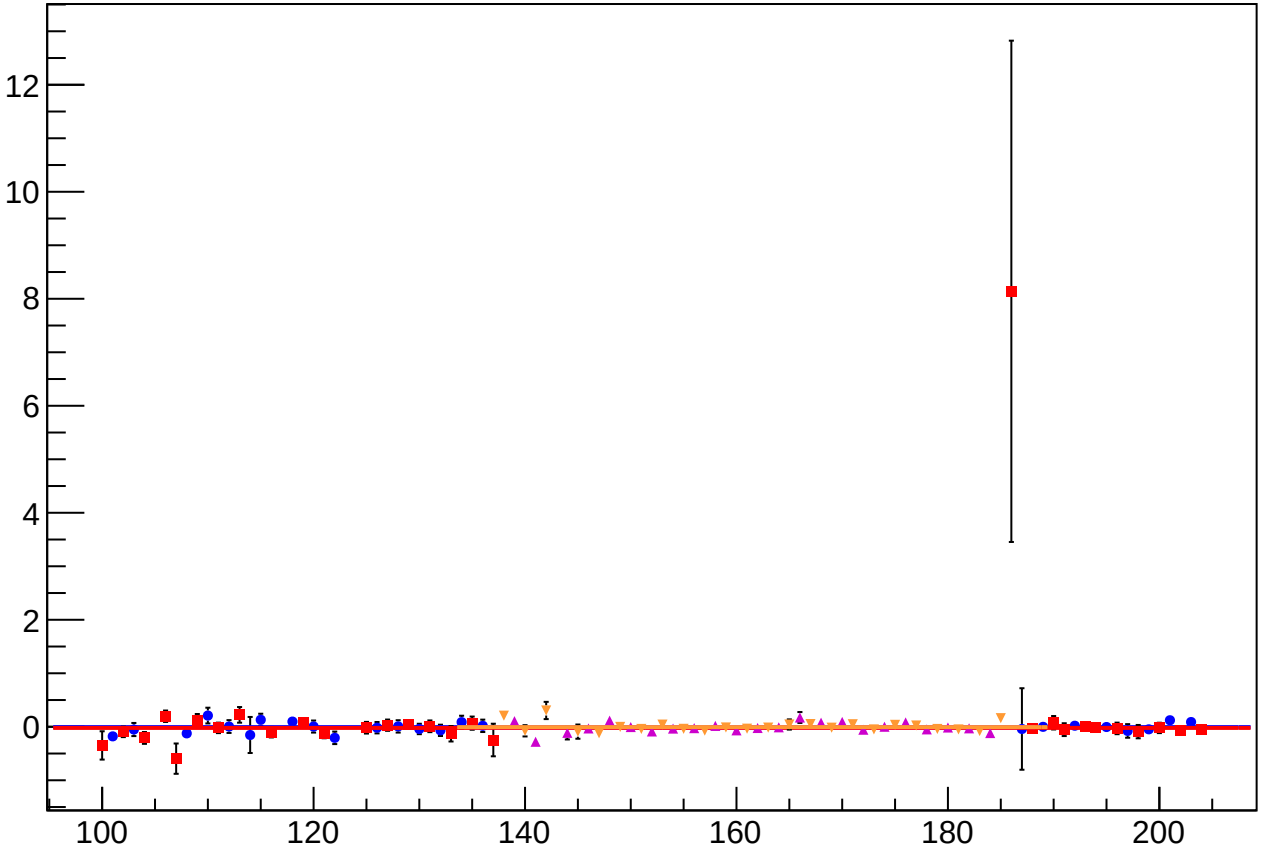
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 43.042+/-0.006 χ^2/NDF: 3794646.9/47

All: 42.363+/-0.004 χ^2/NDF: 9101378.3/99

- sign 41.740+/-0.006 χ^2/NDF: 5281788.3/51

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.007+/-0.019 χ^2/NDF: 24.4/23

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

Right Out: -0.021+/-0.018 χ^2/NDF: 27.9/28

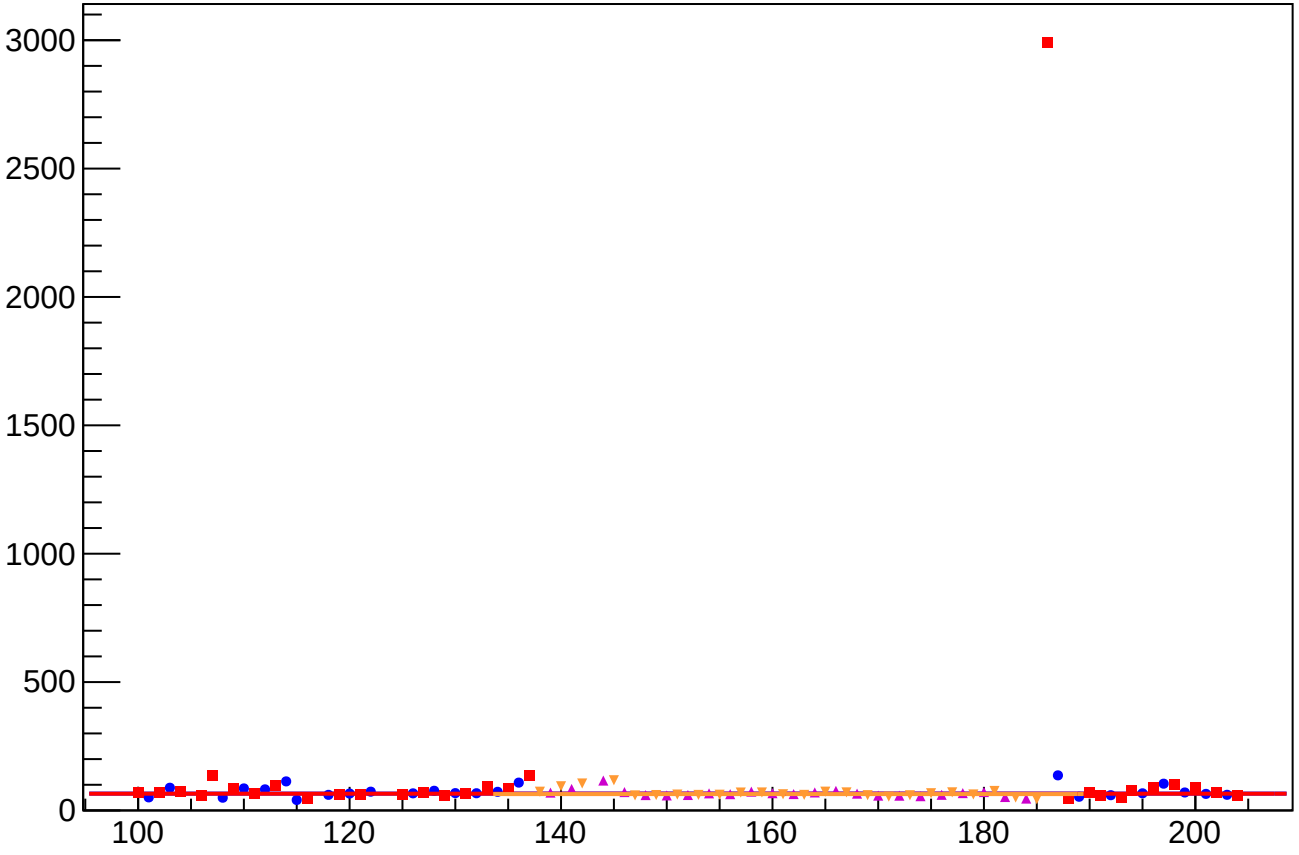
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.007+/-0.012 χ^2/NDF: 48.1/47

All: -0.010+/-0.008 χ^2/NDF: 104.6/99

- sign -0.013+/-0.012 χ^2/NDF: 56.3/51

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 65.671+/-0.014 χ^2/NDF: 1051437.9/23

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

Right Out: 65.242+/-0.013 χ^2/NDF: 2310149.3/28

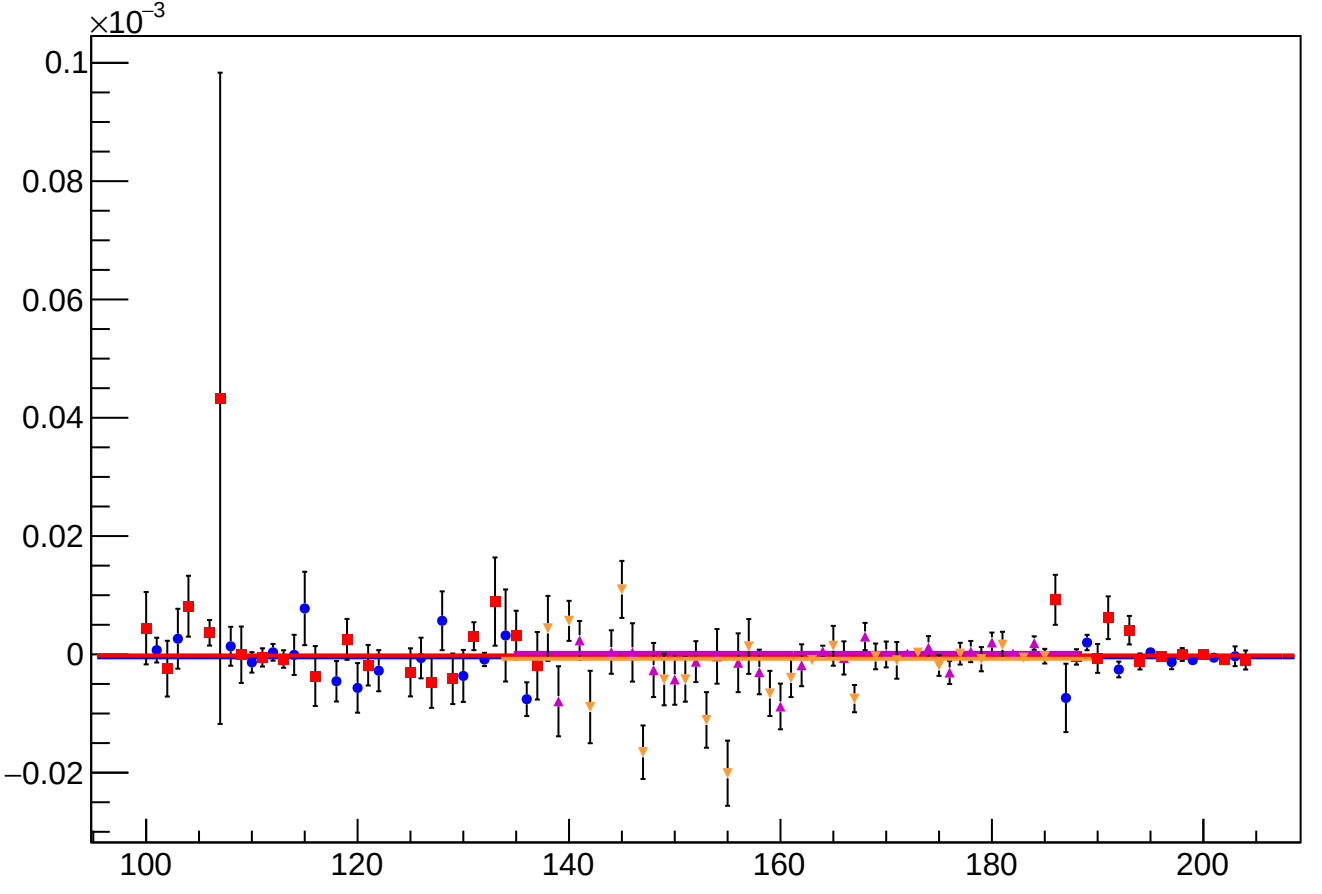
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 64.508+/-0.009 χ^2/NDF: 2141881.3/47

All: 64.524+/-0.006 χ^2/NDF: 5295895.3/99

- sign 64.540+/-0.008 χ^2/NDF: 3154006.8/51

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.5/28

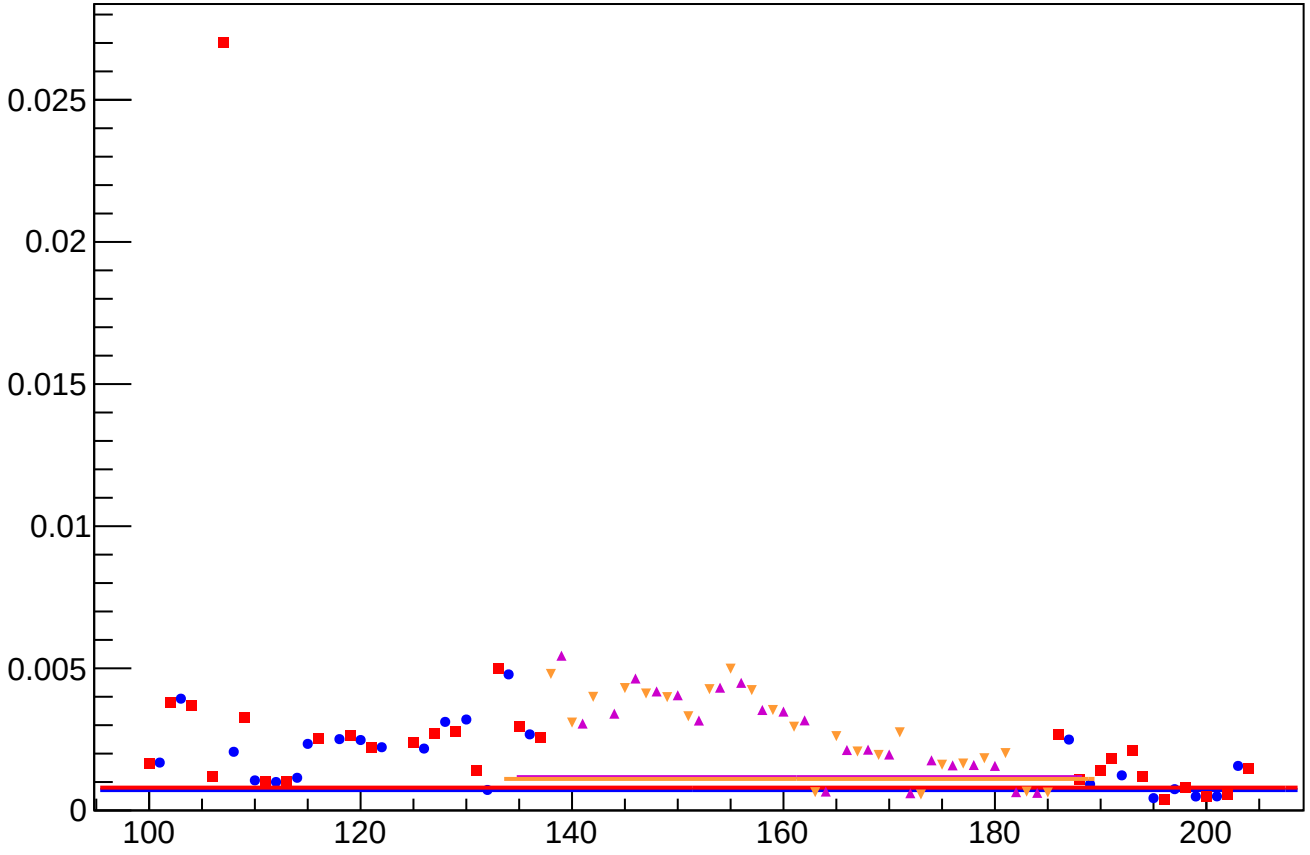
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.1/47

All: -0.000+/-0.000 χ^2/NDF: 139.0/99

- sign -0.000+/-0.000 χ^2/NDF: 48.3/51

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8501442.8/23

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 10151510.9/28

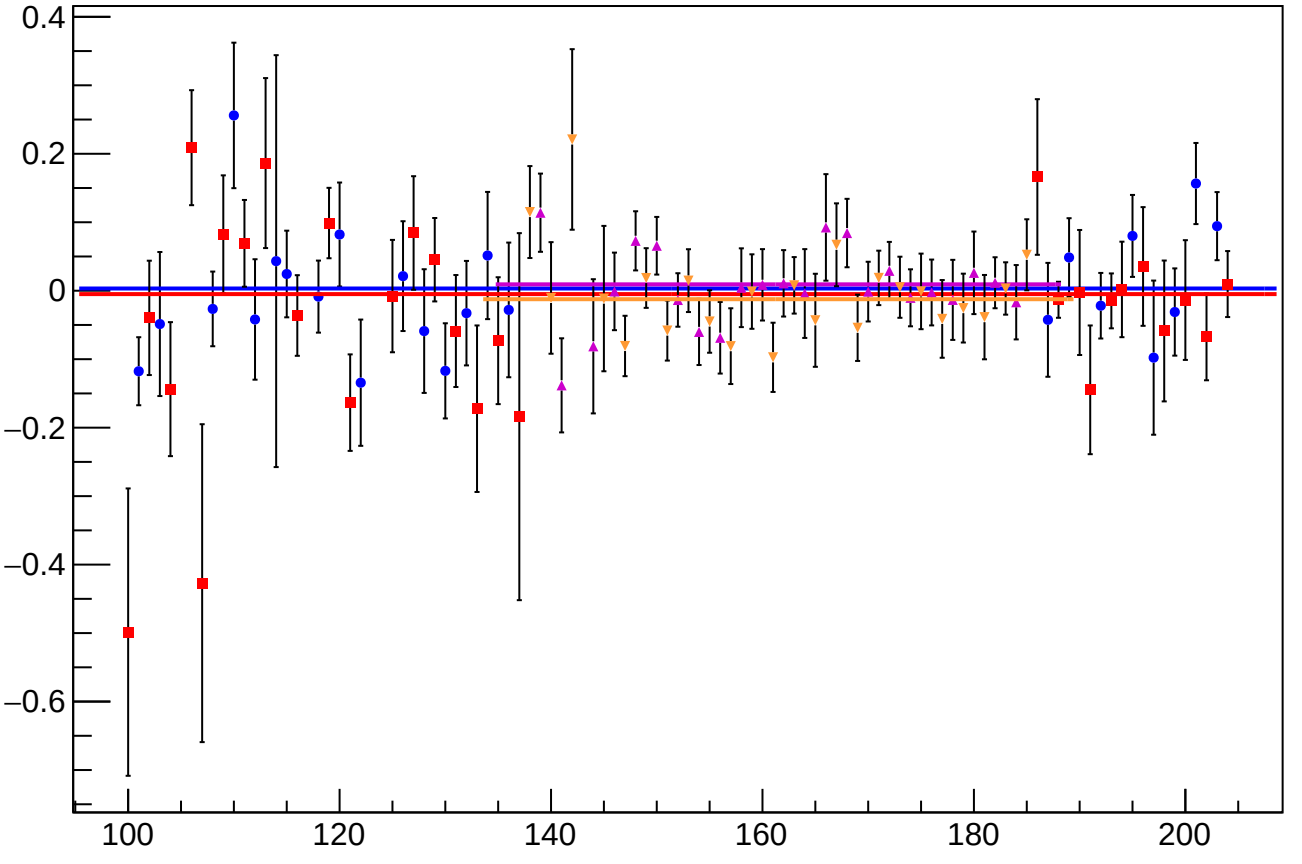
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 25373947.8/47

All: 0.001+/-0.000 χ^2/NDF: 51279193.4/99

- sign 0.001+/-0.000 χ^2/NDF: 25748847.5/51

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.014 χ^2/NDF: 34.0/23

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

Right Out: -0.005+/-0.013 χ^2/NDF: 43.1/28

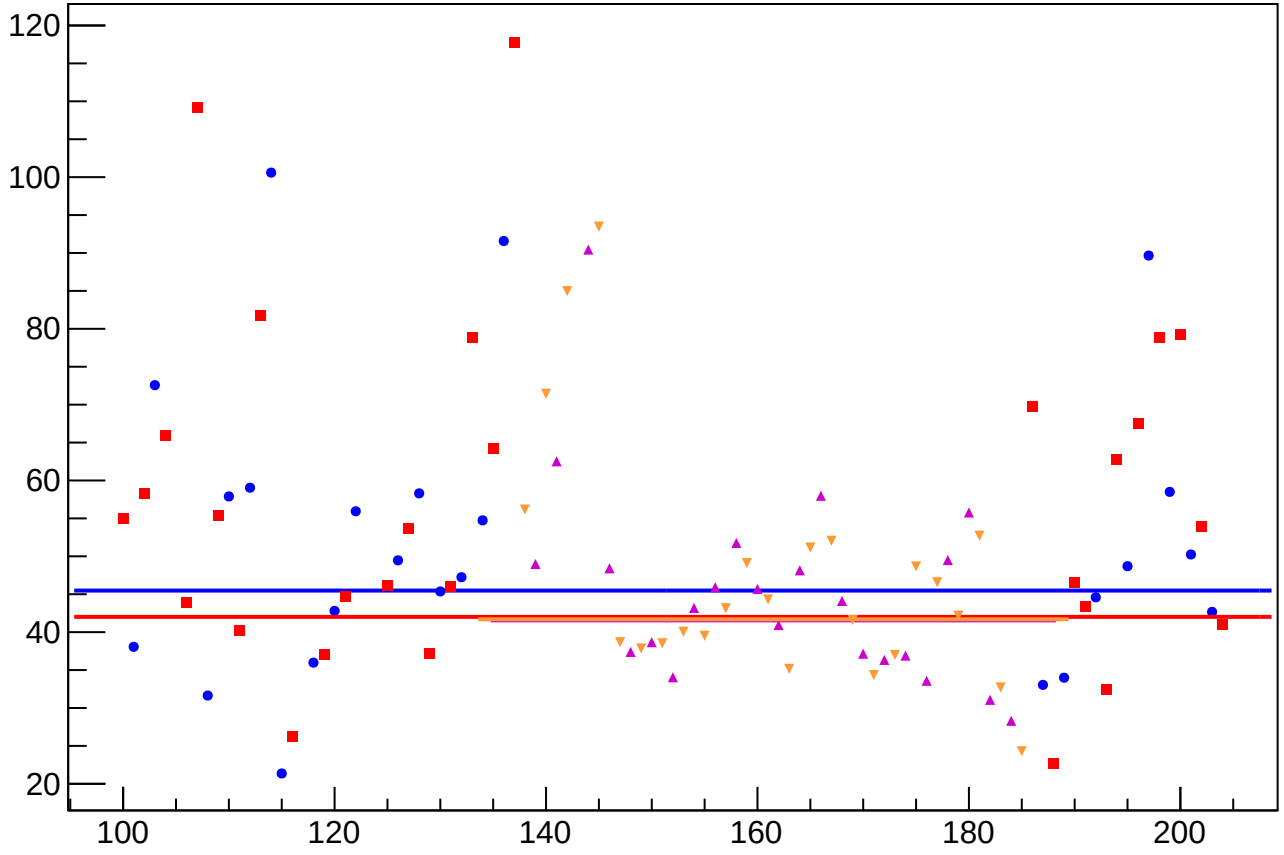
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.007+/-0.008 χ^2/NDF: 56.7/47

All: -0.001+/-0.006 χ^2/NDF: 123.2/99

- sign 0.003+/-0.008 χ^2/NDF: 65.7/51

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 45.482+/-0.010 χ^2/NDF: 1880189.8/23

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

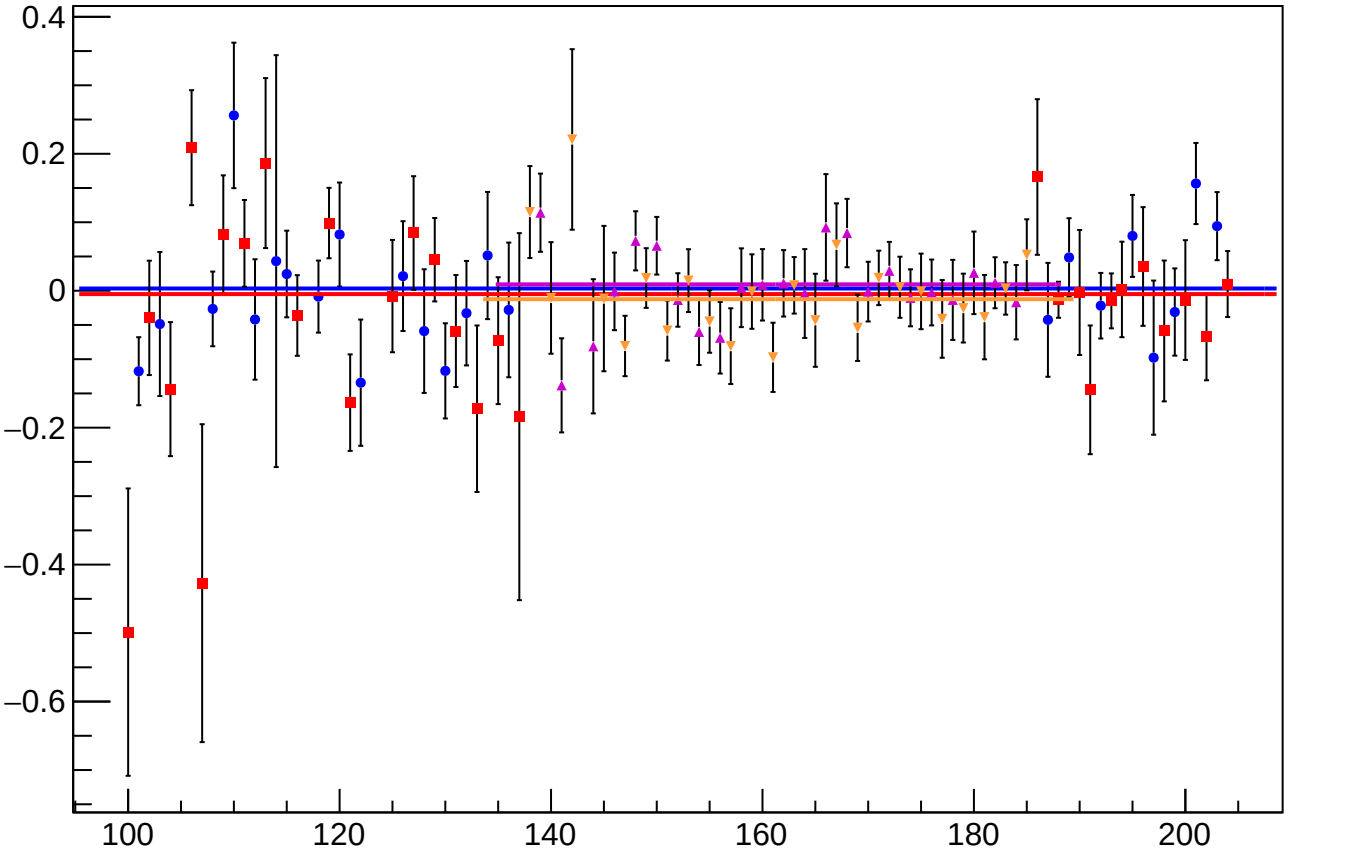
Right Out: 42.016+/-0.009 χ^2/NDF: 3667006.8/28

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

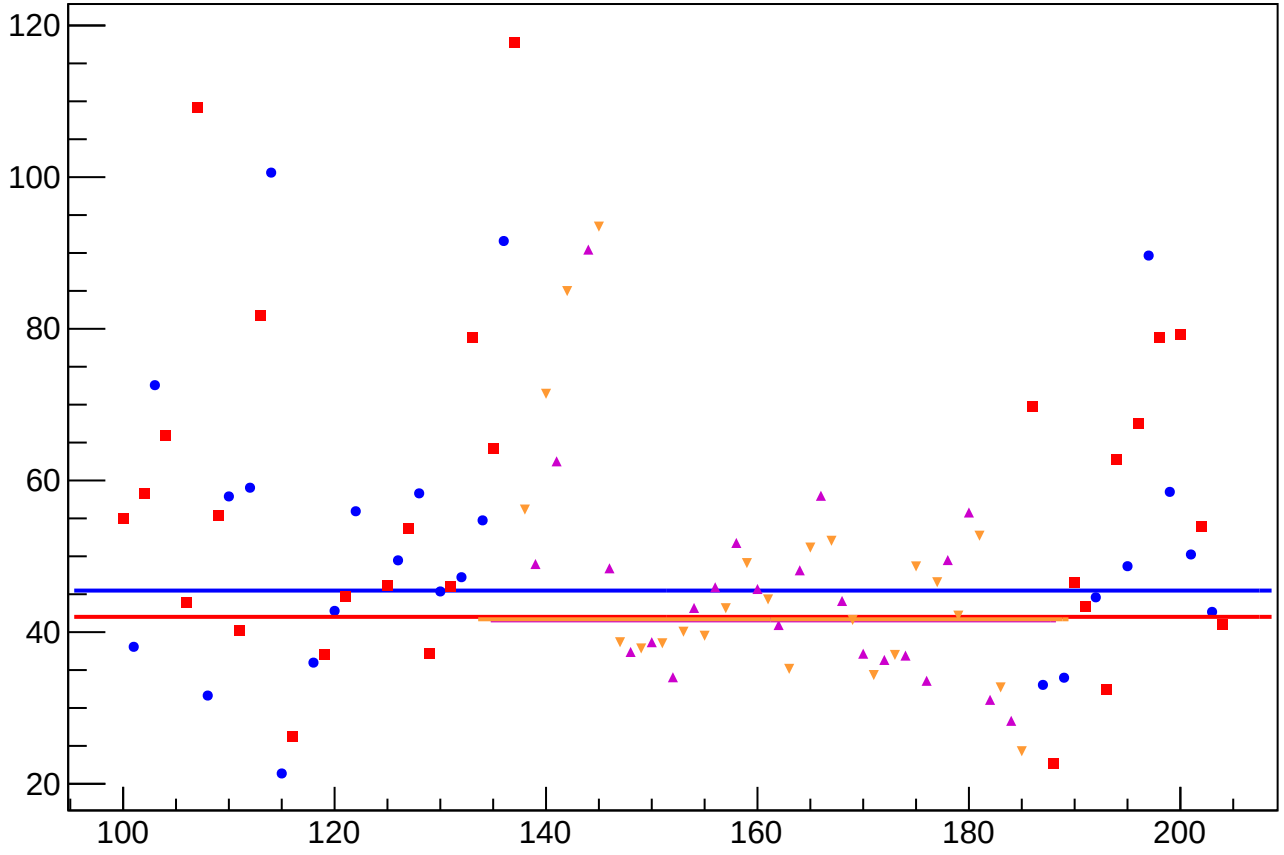
+ sign 43.042+/-0.006 χ^2/NDF: 3794656.4/47

All: 42.363+/-0.004 χ^2/NDF: 9101145.0/99

- sign 41.741+/-0.006 χ^2/NDF: 5281558.3/51


asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.003+/-0.014 χ²/NDF: 34.0/23
Left Out: -0.012+/-0.010 χ²/NDF:21.9/23
Right Out: -0.005+/-0.013 χ²/NDF: 43.1/28
Left In: 0.009+/-0.010 χ²/NDF:21.9/22
+ sign -0.007+/-0.008 χ²/NDF: 56.7/47
All: -0.001+/-0.006 χ²/NDF: 123.2/99
- sign 0.003+/-0.008 χ²/NDF: 65.7/51

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.482+/-0.010 χ^2/NDF: 1880189.8/23

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 42.016+/-0.009 χ^2/NDF: 3667006.8/28

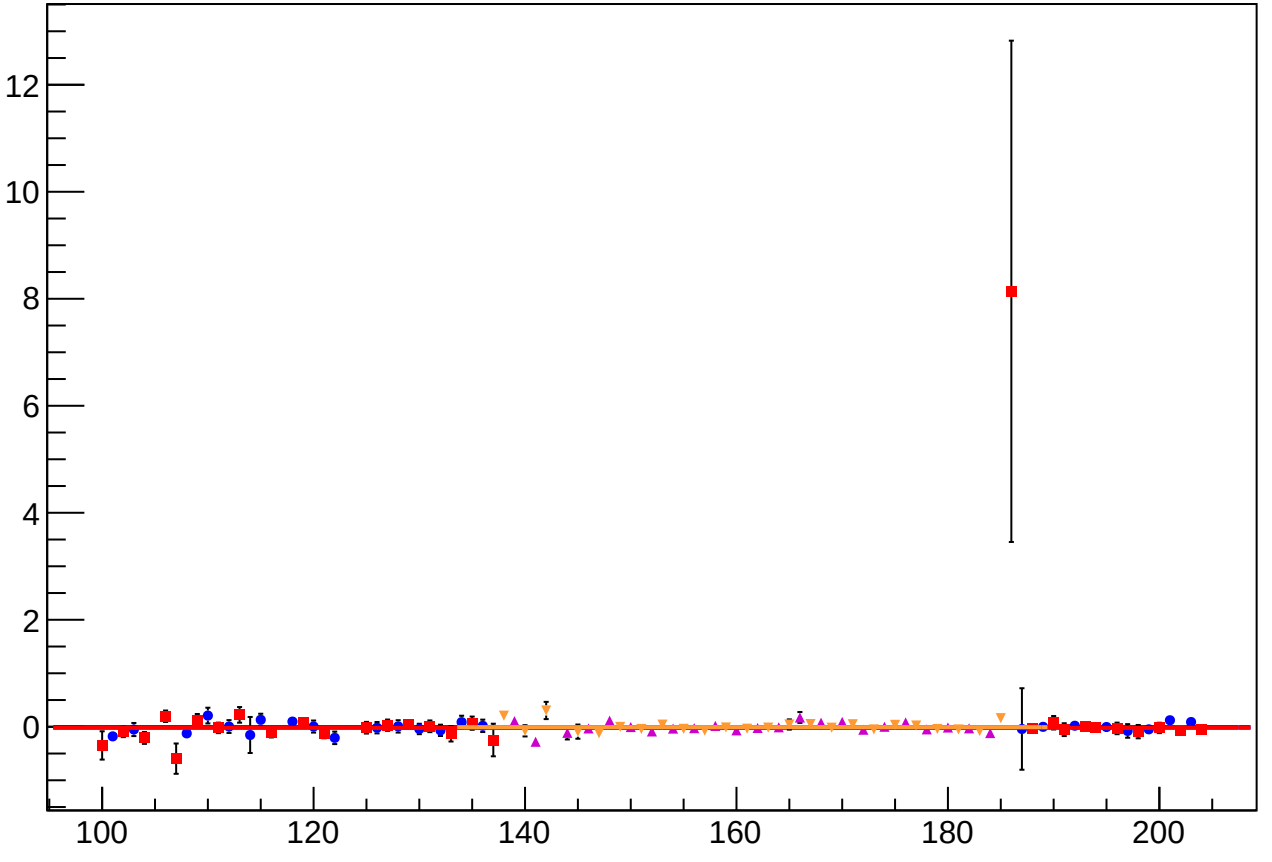
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 43.042+/-0.006 χ^2/NDF: 3794656.4/47

All: 42.363+/-0.004 χ^2/NDF: 9101145.0/99

- sign 41.741+/-0.006 χ^2/NDF: 5281558.3/51

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.007+/-0.019 χ^2/NDF: 24.4/23

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

Right Out: -0.021+/-0.018 χ^2/NDF: 27.9/28

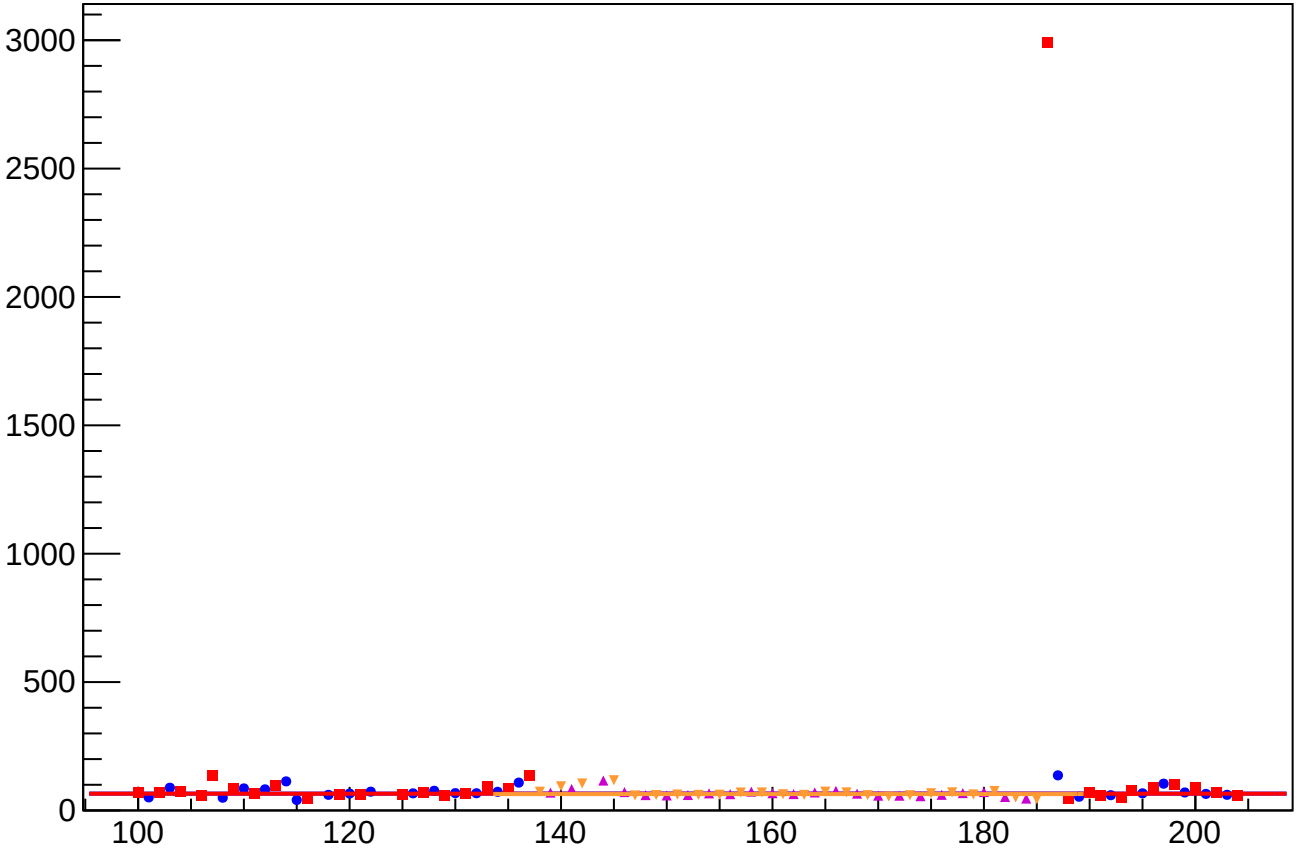
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.007+/-0.012 χ^2/NDF: 48.1/47

All: -0.010+/-0.008 χ^2/NDF: 104.6/99

- sign -0.013+/-0.012 χ^2/NDF: 56.3/51

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 65.670+/-0.014 χ^2/NDF: 1051448.7/23

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 65.242+/-0.013 χ^2/NDF: 2310126.1/28

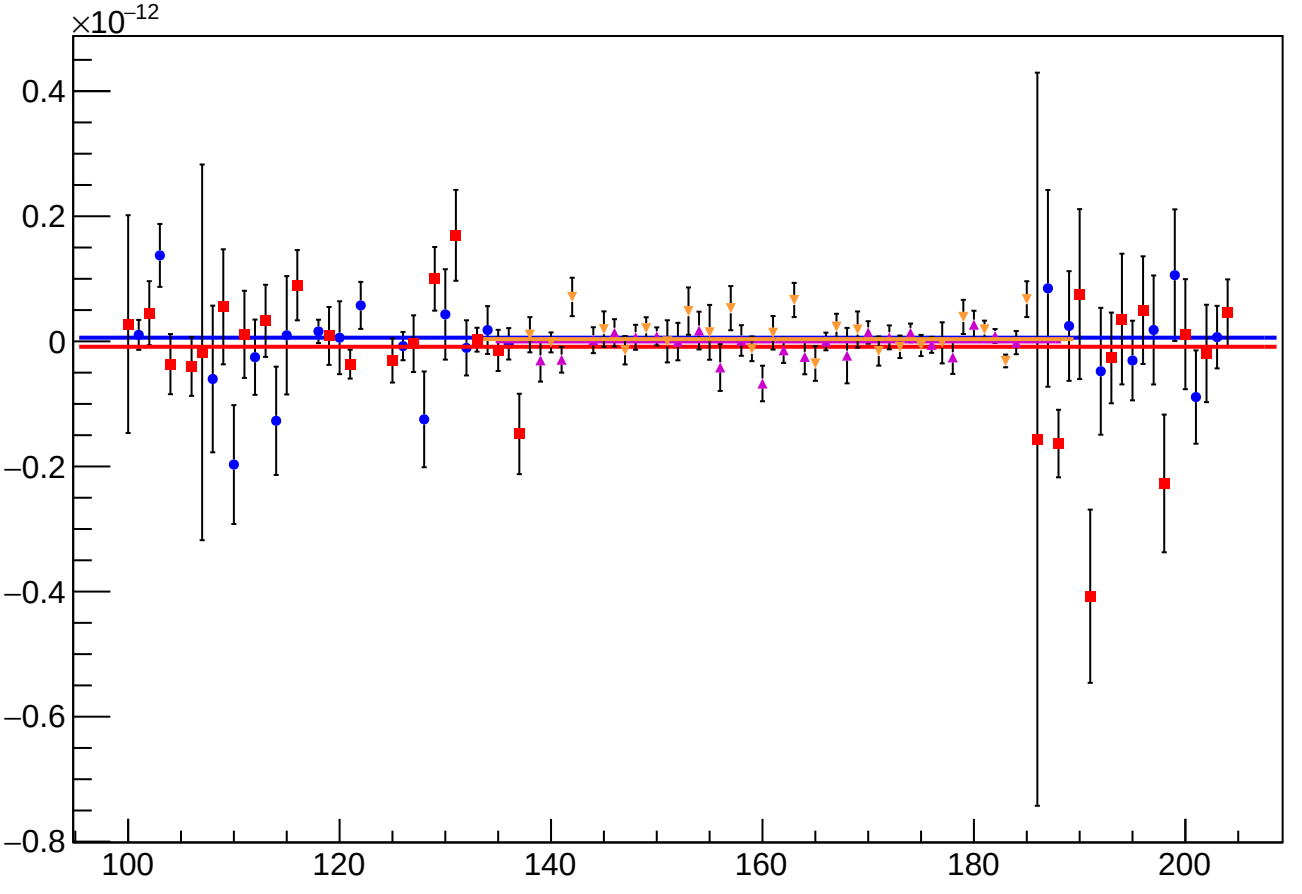
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 64.508+/-0.009 χ^2/NDF: 2141875.4/47

All: 64.524+/-0.006 χ^2/NDF: 5295858.1/99

- sign 64.540+/-0.008 χ^2/NDF: 3153975.5/51

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 46.4/28

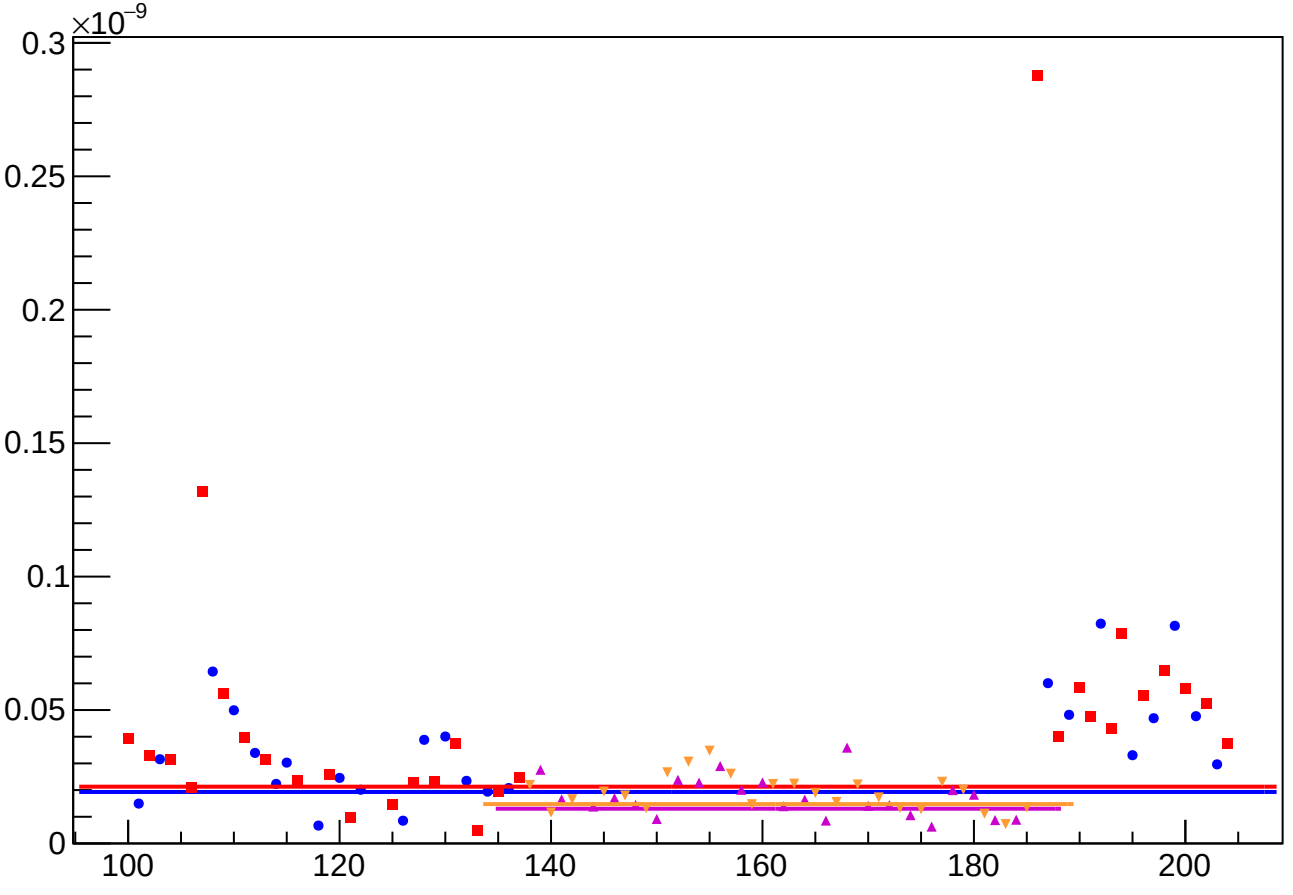
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.6/47

All: 0.000+/-0.000 χ^2/NDF: 129.9/99

- sign -0.000+/-0.000 χ^2/NDF: 64.2/51

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5032180.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

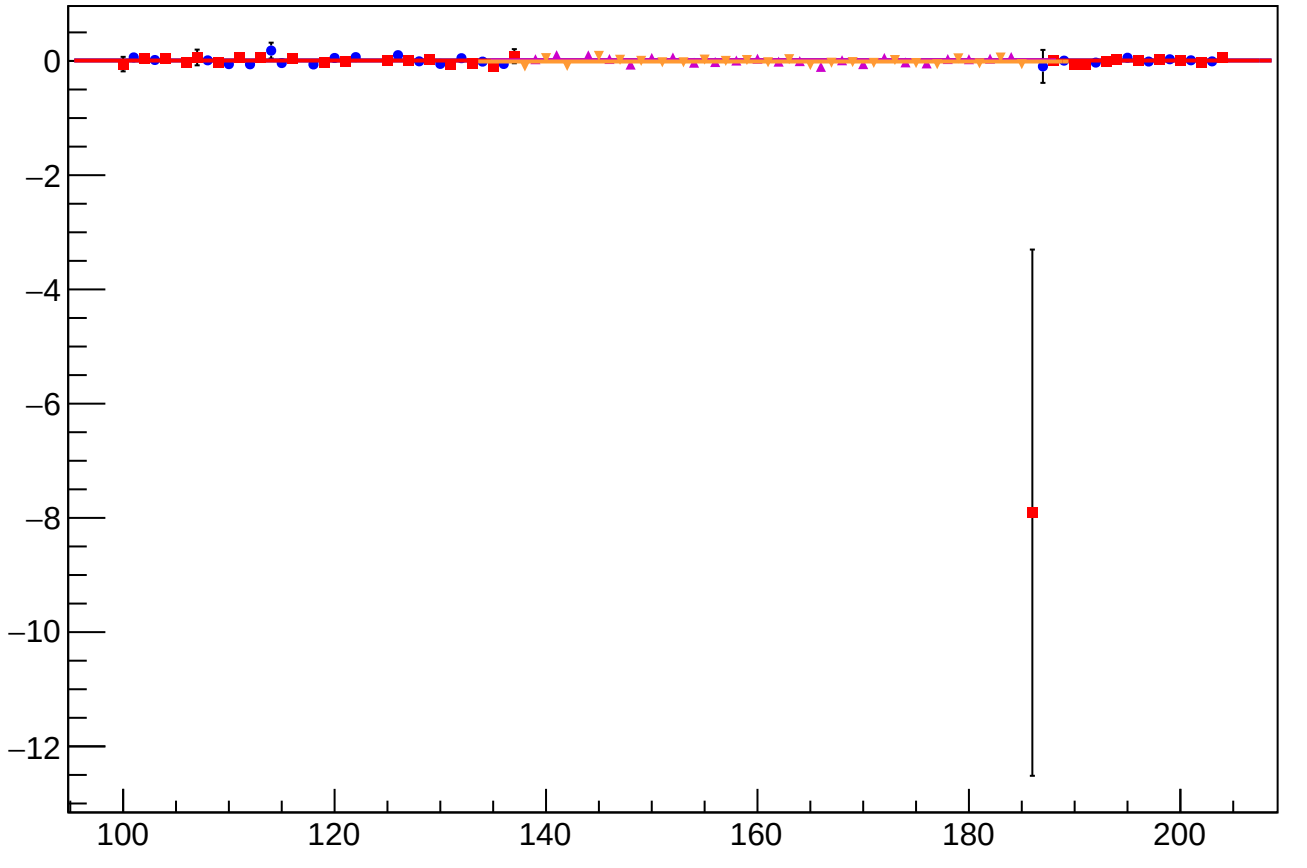
Right Out: 0.000+/-0.000 χ^2/NDF: 6290797.4/28

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8996658.3/47

All: 0.000+/-0.000 χ^2/NDF: 20695190.7/99

- sign 0.000+/-0.000 χ^2/NDF: 11582478.9/51



Right In: 0.009+/-0.010 χ^2/NDF: 18.7/23

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.007+/-0.009 χ^2/NDF: 20.7/28

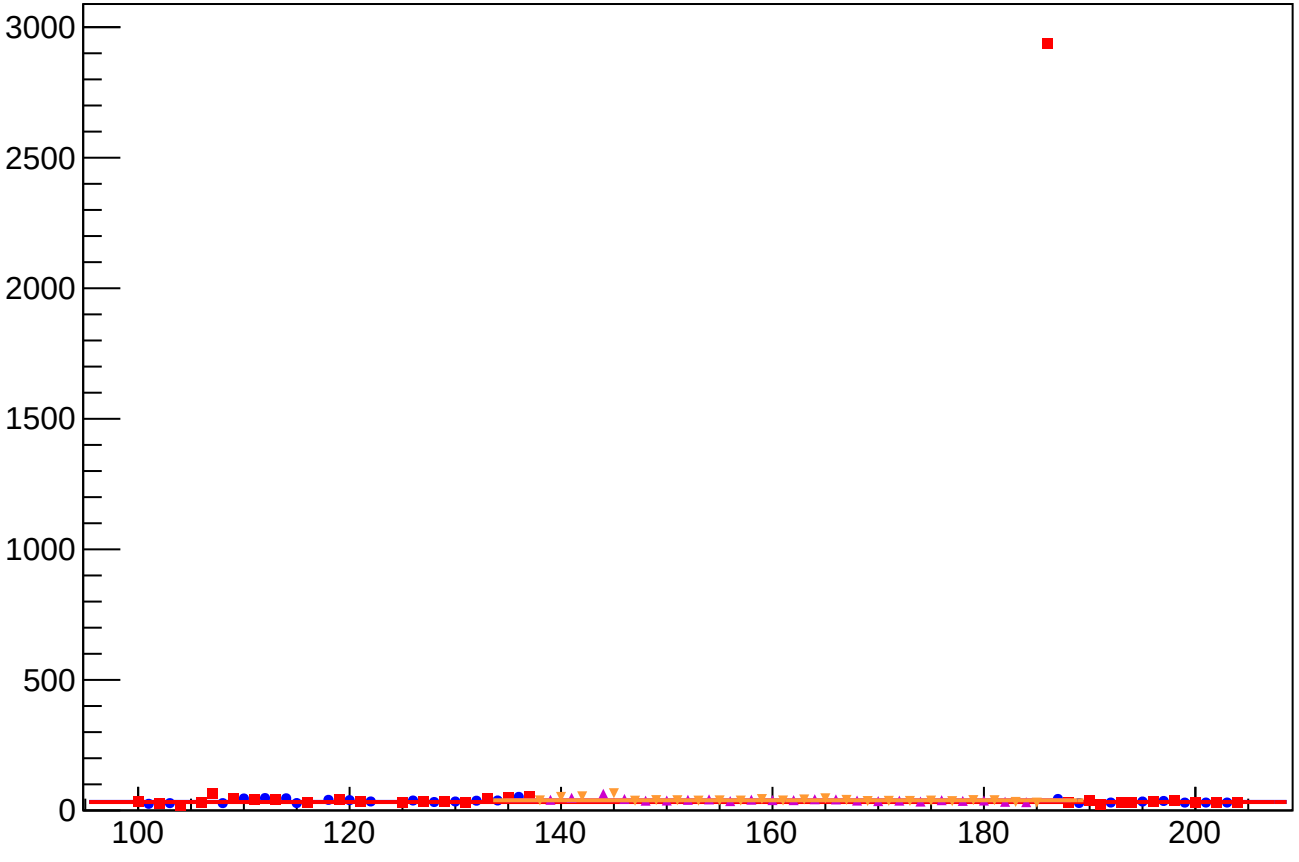
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.000+/-0.007 χ^2/NDF: 40.1/47

All: 0.004+/-0.005 χ^2/NDF: 85.2/99

- sign 0.009+/-0.007 χ^2/NDF: 44.1/51

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 32.782+/-0.007 χ^2/NDF: 744196.5/23

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

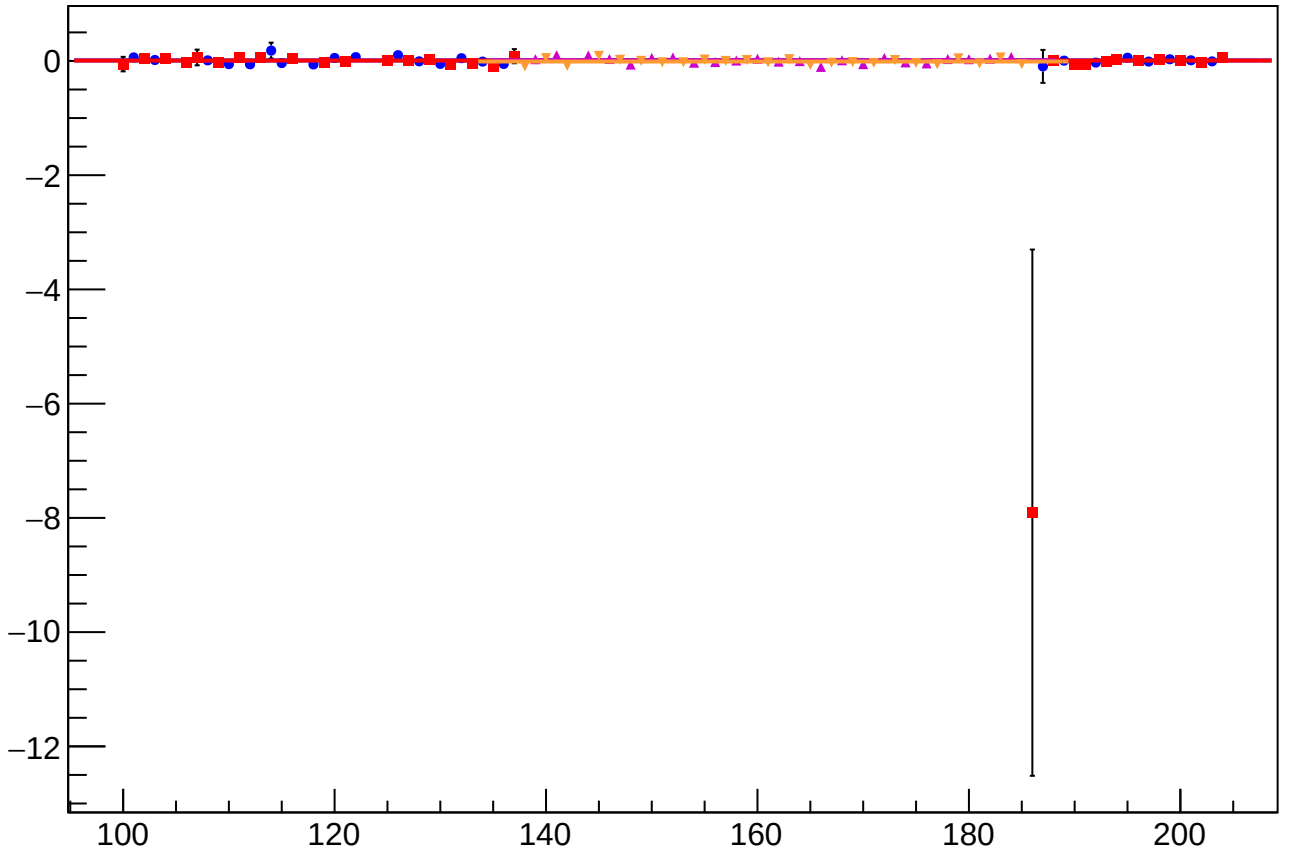
Right Out: 32.224+/-0.006 χ^2/NDF: 1899171.8/28

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 35.931+/-0.005 χ^2/NDF: 1789034.9/47

All: 35.686+/-0.003 χ^2/NDF: 4781410.2/99

- sign 35.458+/-0.005 χ^2/NDF: 2987287.5/51



Right In: 0.009+/-0.010 χ^2/NDF: 18.7/23

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.007+/-0.009 χ^2/NDF: 20.7/28

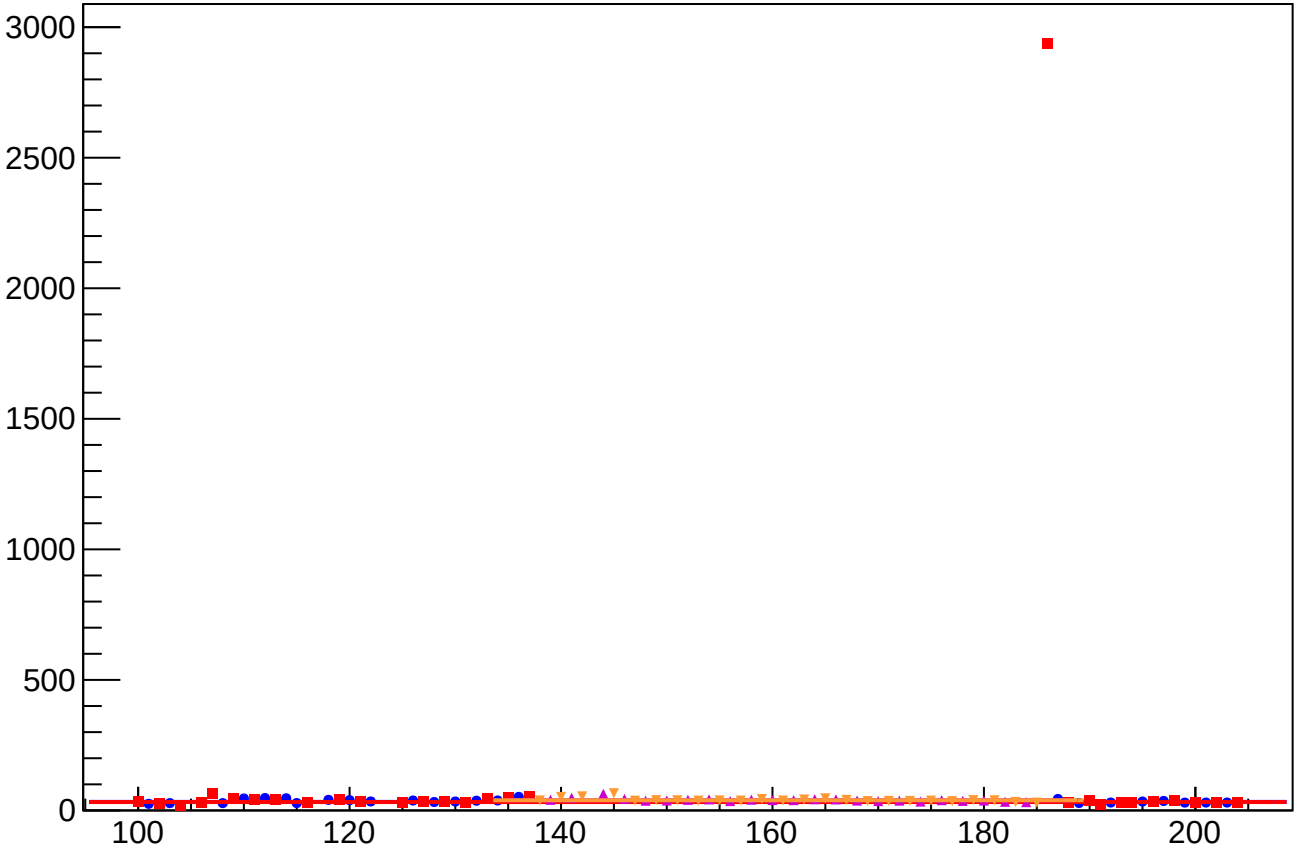
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.000+/-0.007 χ^2/NDF: 40.1/47

All: 0.004+/-0.005 χ^2/NDF: 85.2/99

- sign 0.009+/-0.007 χ^2/NDF: 44.1/51

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 32.782+/-0.007 χ^2/NDF: 744196.5/23

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 32.224+/-0.006 χ^2/NDF: 1899171.8/28

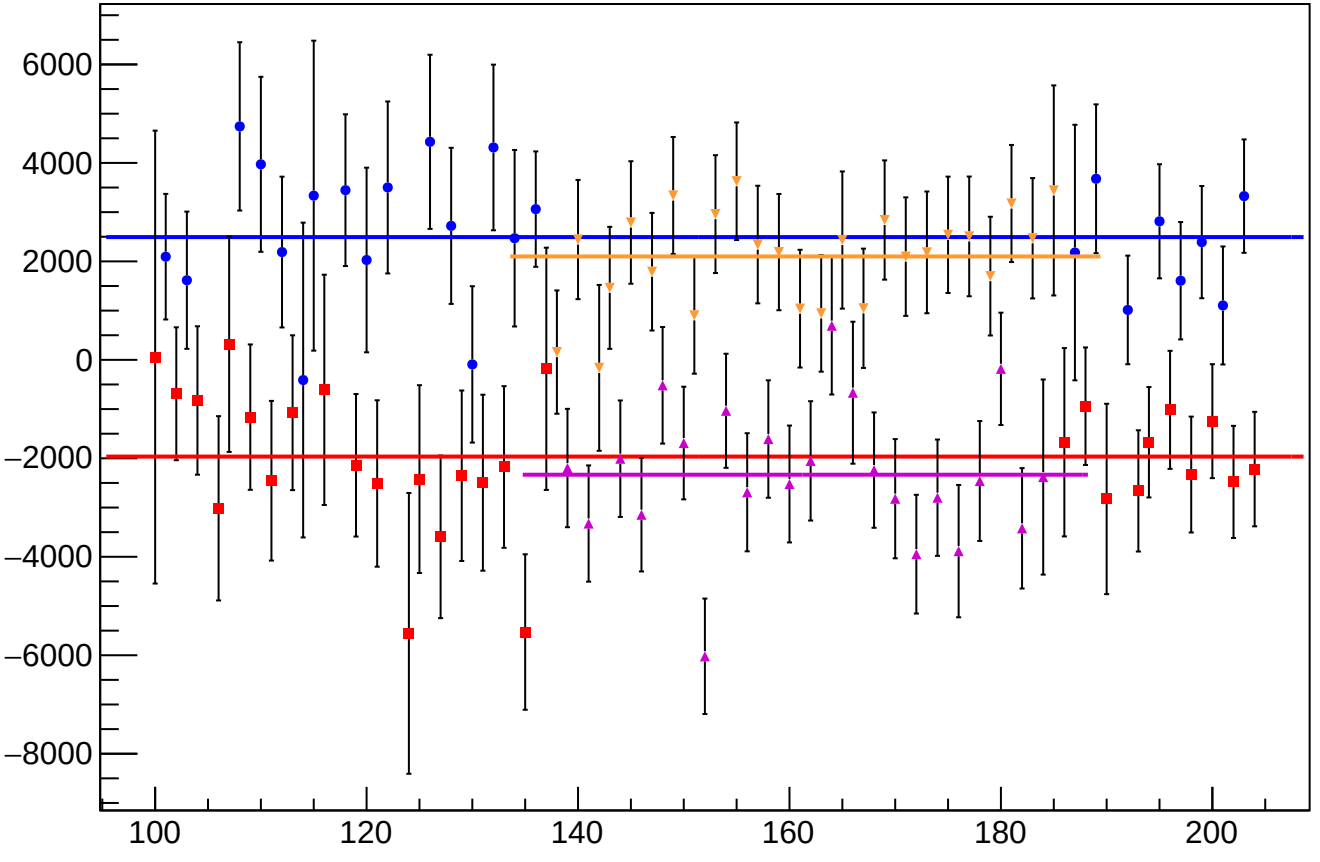
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 35.931+/-0.005 χ^2/NDF: 1789034.9/47

All: 35.686+/-0.003 χ^2/NDF: 4781410.2/99

- sign 35.458+/-0.005 χ^2/NDF: 2987287.5/51

reg_asym_usr_mean vs Slug



Right In: 2493.282+/-301.090 χ^2/NDF: 14.8/23

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1964.382+/-282.756 χ^2/NDF: 15.3/28

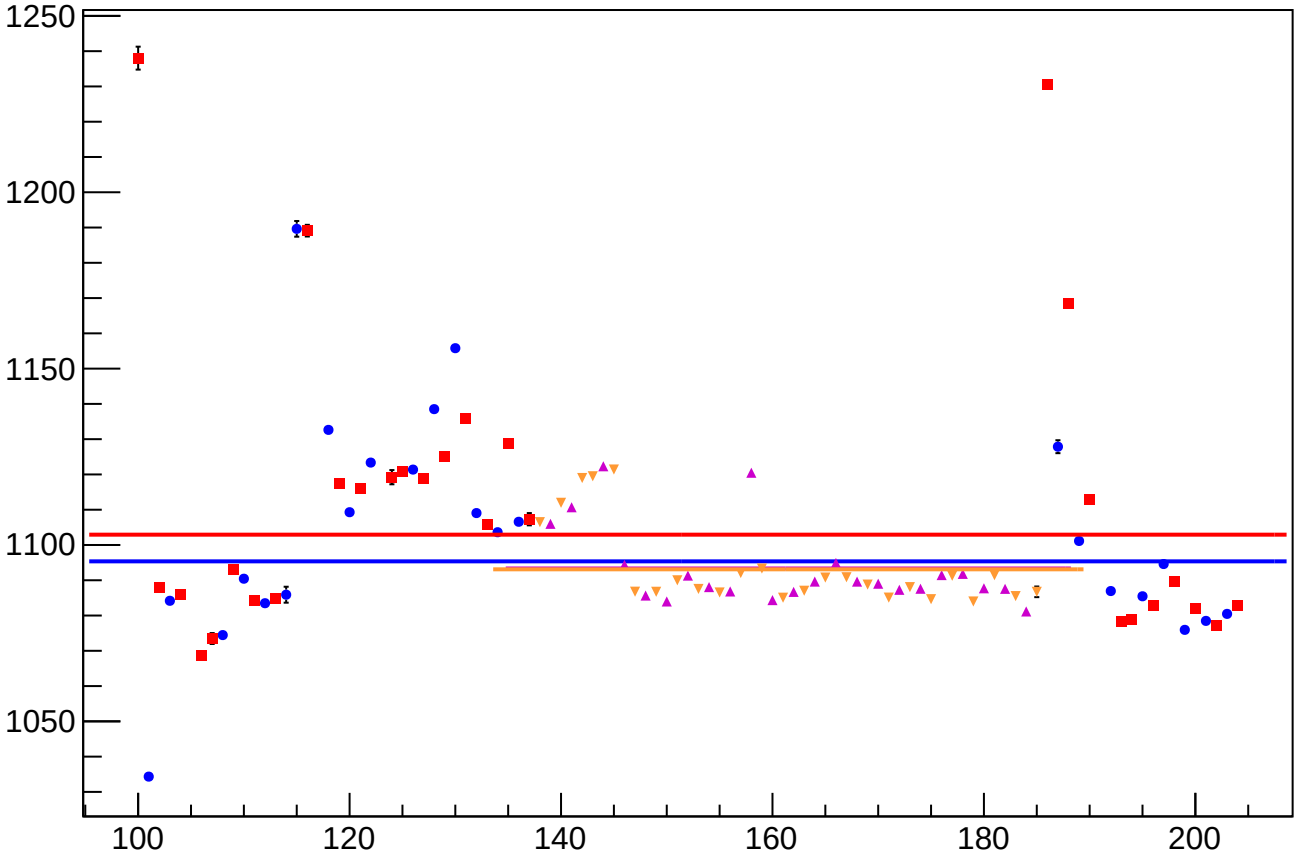
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2259.439+/-191.566 χ^2/NDF: 29.7/48

All: 21.804+/-134.715 χ^2/NDF: 345.3/100

- sign -2167.438+/-189.483 χ^2/NDF: 45.7/51

reg_asym_usr_rms vs Slug



Right In: 1095.361+/-0.213 χ^2/NDF: 15834.6/23

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1102.925+/-0.200 χ^2/NDF: 28697.6/28

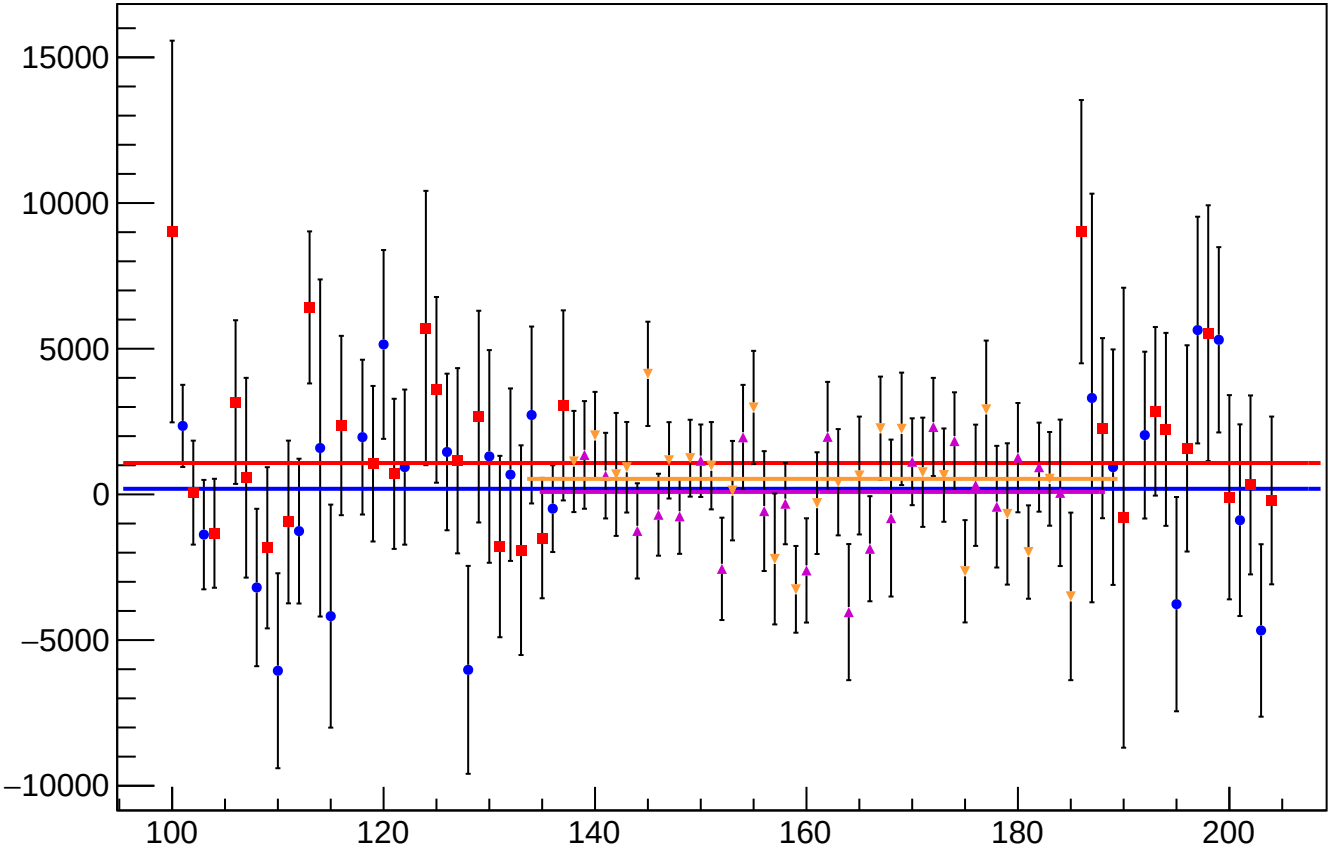
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1094.017+/-0.135 χ^2/NDF: 19884.8/48

All: 1095.850+/-0.095 χ^2/NDF: 53937.2/100

- sign 1097.644+/-0.134 χ^2/NDF: 33690.0/51

asym_usr_reg_correction_mean vs Slug



Right In: 192.250+/-553.287 χ^2/NDF: 26.1/23

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1077.975+/-551.740 χ^2/NDF: 20.5/28

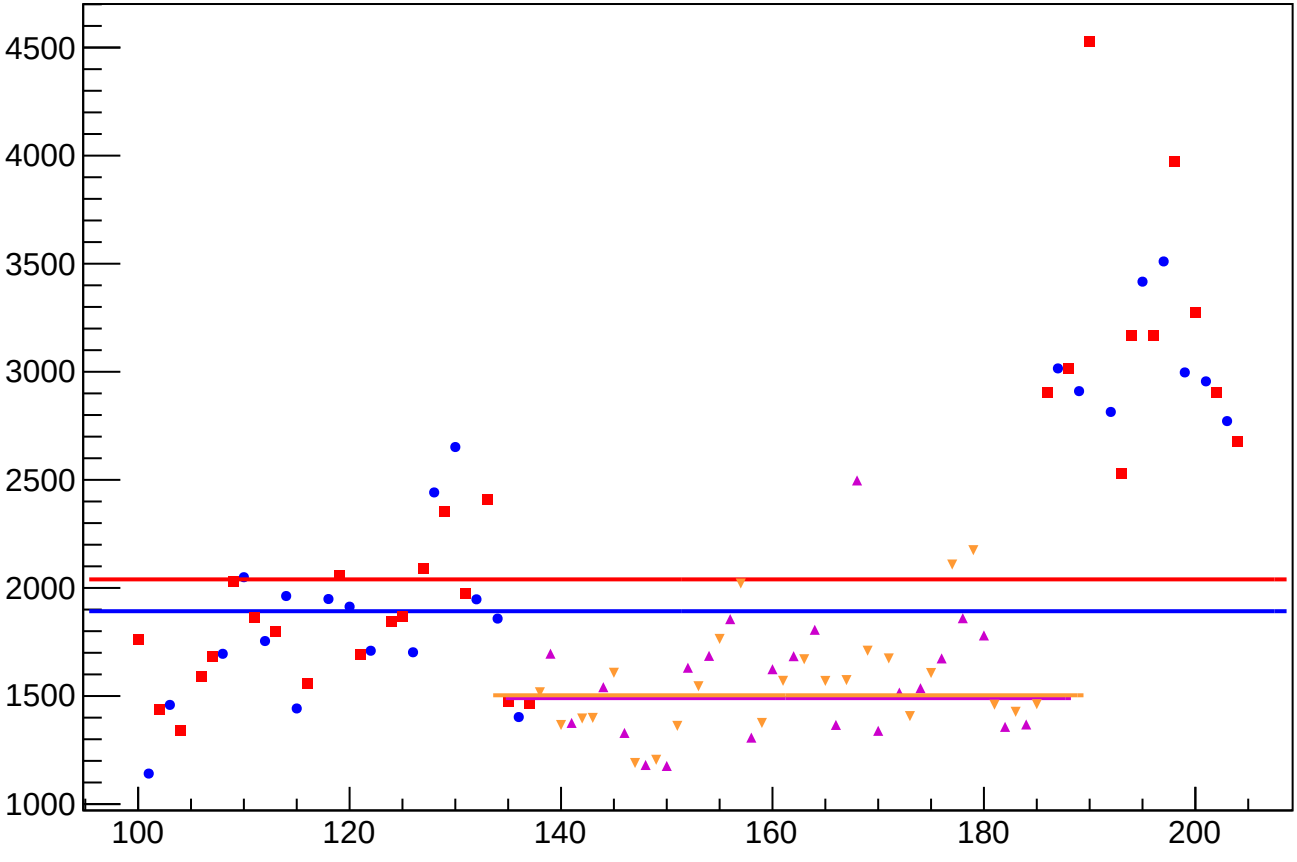
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 436.707+/-294.105 χ^2/NDF: 52.8/48

All: 406.112+/-209.295 χ^2/NDF: 93.7/100

- sign 374.720+/-297.907 χ^2/NDF: 40.9/51

asym_usr_reg_correction_rms vs Slug



Right In: 1892.399+/-0.391 χ^2/NDF: 2797974.0/23

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2039.621+/-0.390 χ^2/NDF: 2811925.6/28

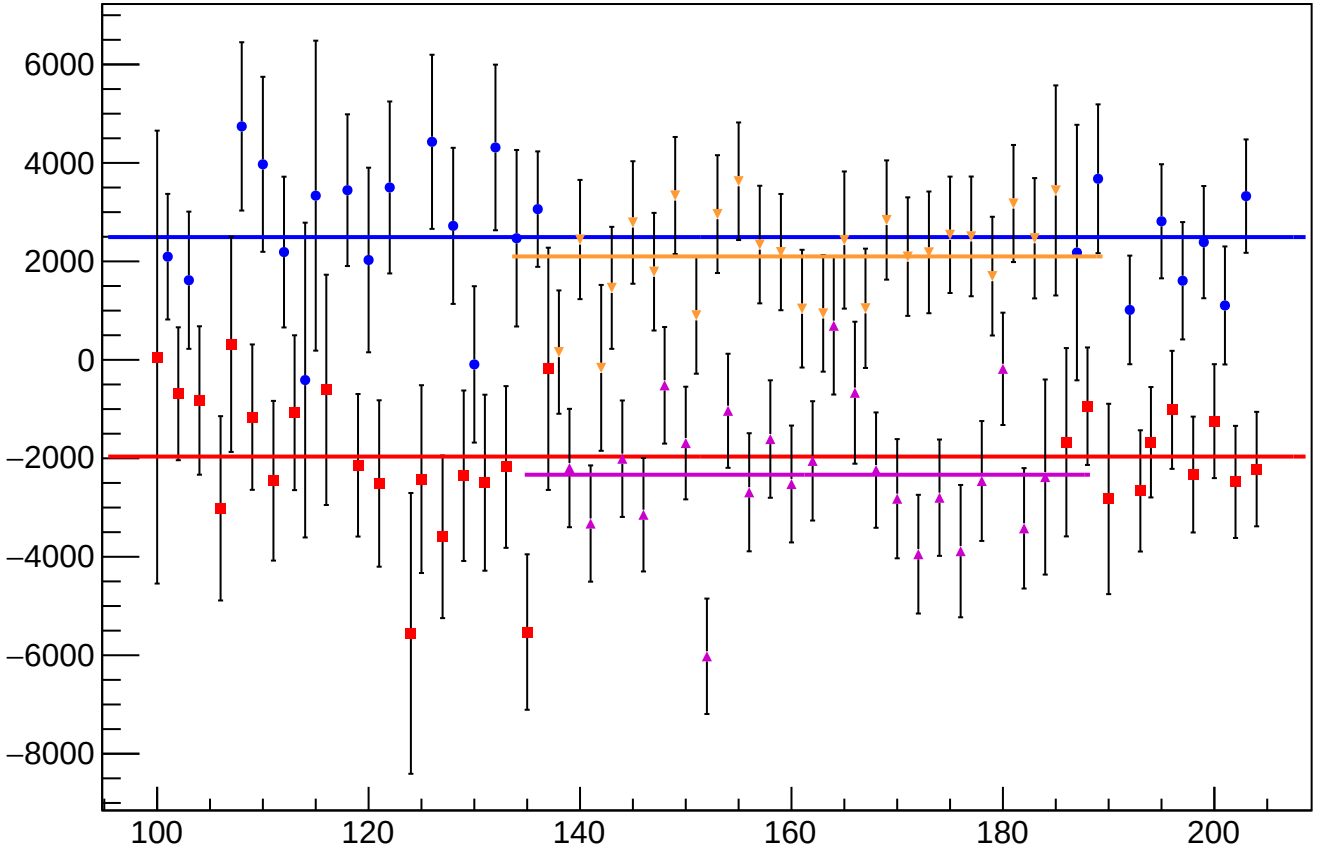
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

\+ sign 1613.340+/-0.208 χ^2/NDF: 4306786.6/48

All: 1631.660+/-0.148 χ^2/NDF: 9507109.4/10

\- sign 1650.457+/-0.211 χ^2/NDF: 5184600.7/51

cor_asym_usr_mean vs Slug



Right In: 2493.282+/-301.090 χ^2/NDF: 14.8/23

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1964.382+/-282.756 χ^2/NDF: 15.3/28

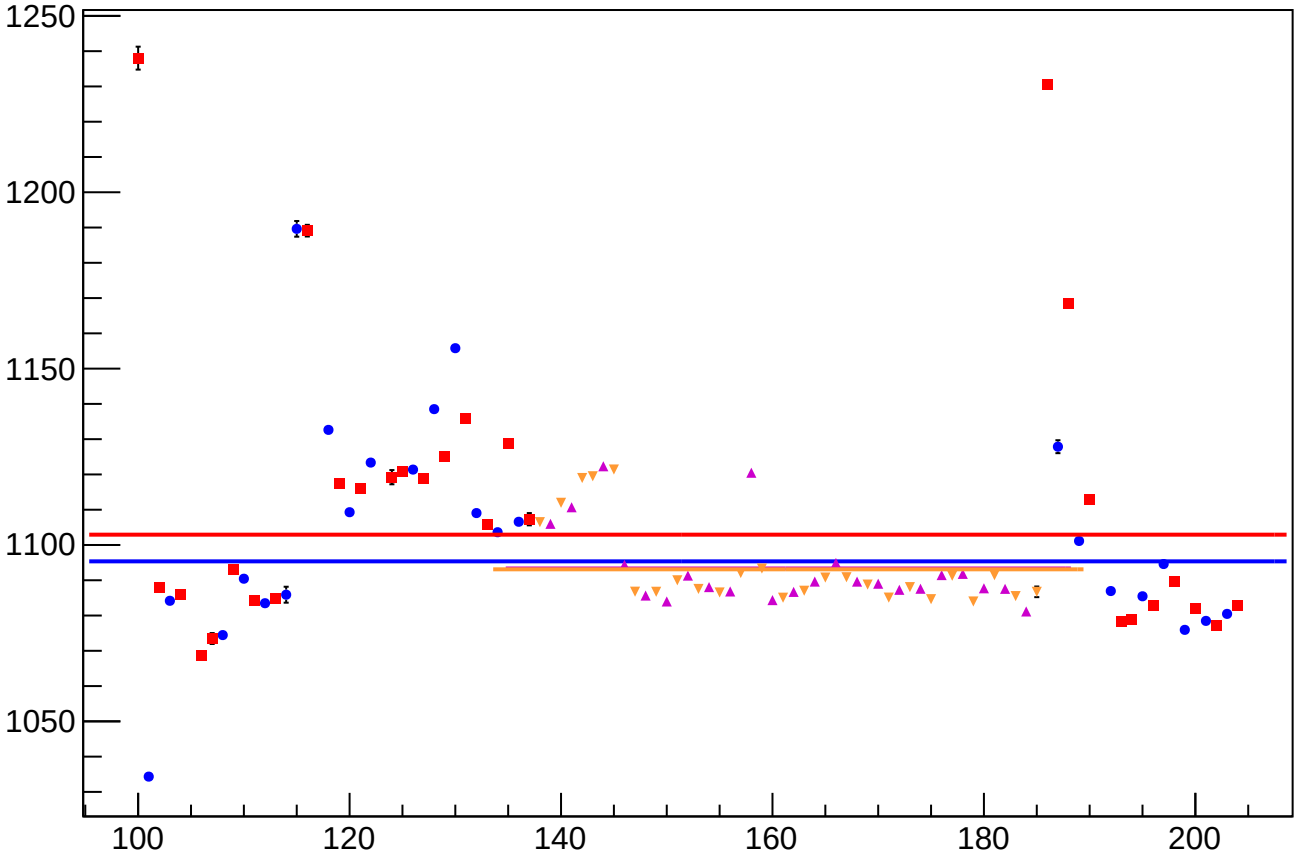
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2259.439+/-191.566 χ^2/NDF: 29.7/48

All: 21.804+/-134.715 χ^2/NDF: 345.3/100

- sign -2167.438+/-189.483 χ^2/NDF: 45.7/51

cor_asym_usr_rms vs Slug



Right In: 1095.361+/-0.213 χ^2/NDF: 15834.6/23

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1102.925+/-0.200 χ^2/NDF: 28697.6/28

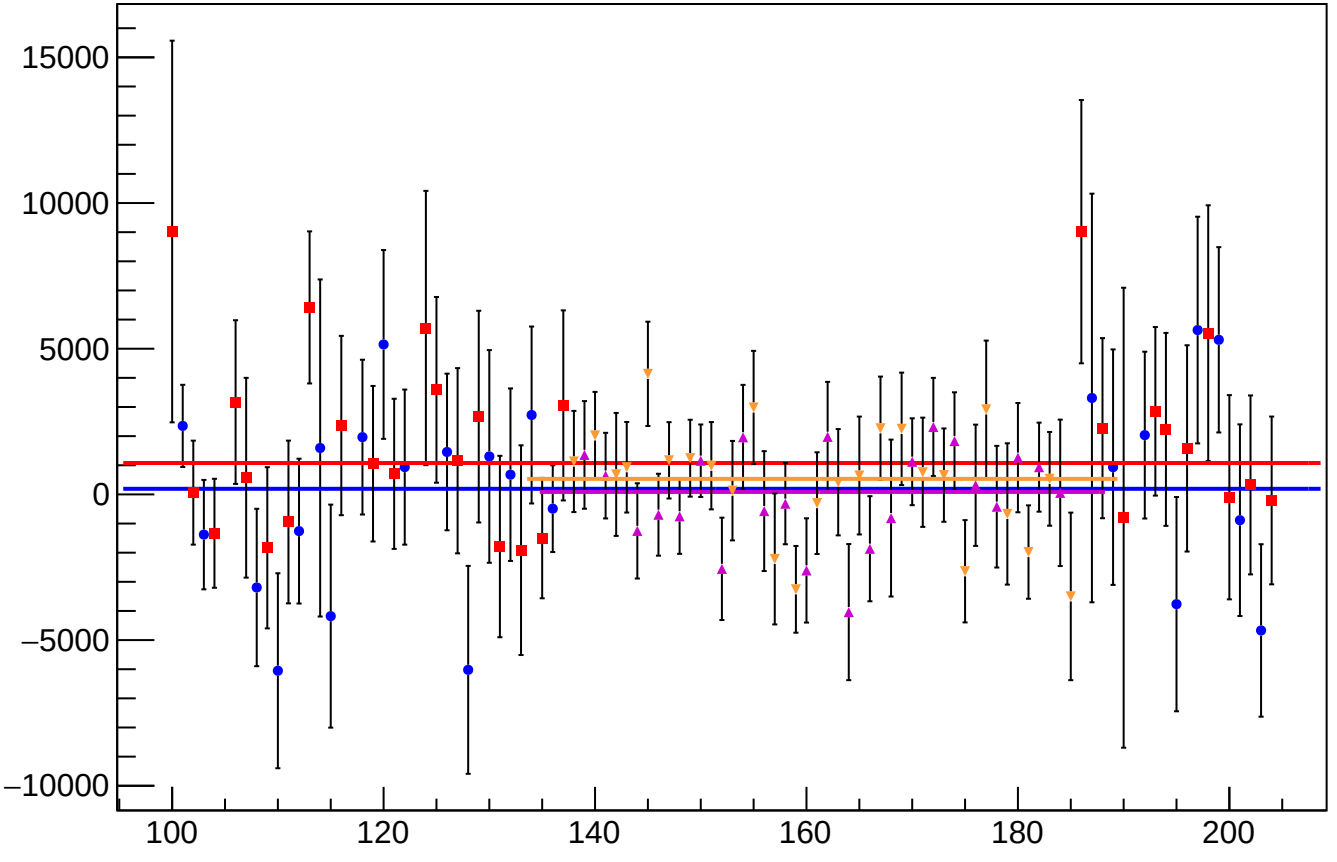
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1094.017+/-0.135 χ^2/NDF: 19884.8/48

All: 1095.850+/-0.095 χ^2/NDF: 53937.2/100

- sign 1097.644+/-0.134 χ^2/NDF: 33690.0/51

asym_usr_cor_correction_mean vs Slug



Right In: 192.250+/-553.287 χ^2/NDF: 26.1/23

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1077.975+/-551.740 χ^2/NDF: 20.5/28

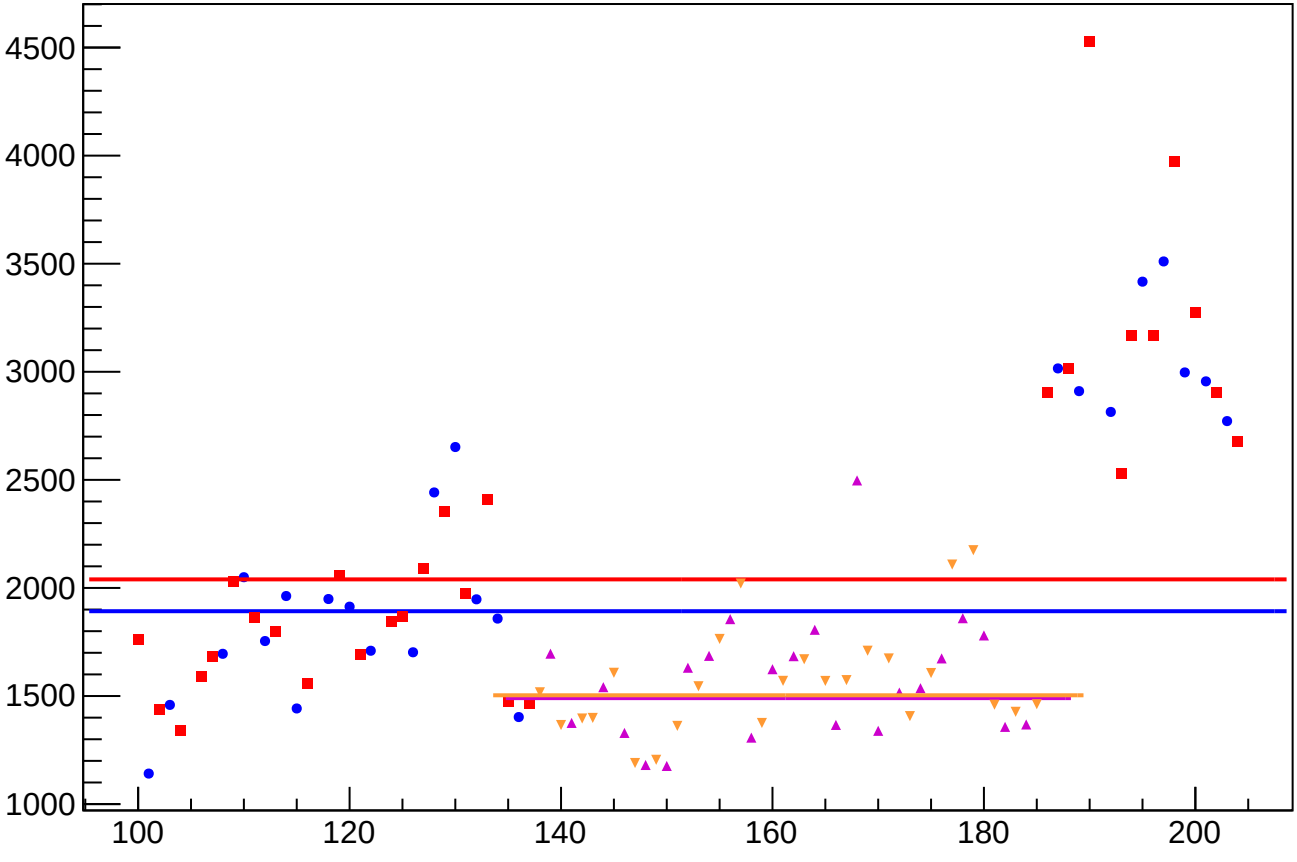
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 436.707+/-294.105 χ^2/NDF: 52.8/48

All: 406.112+/-209.295 χ^2/NDF: 93.7/100

\- sign 374.720+/-297.907 χ^2/NDF: 40.9/51

asym_usr_cor_correction_rms vs Slug



Right In: 1892.399+/-0.391 χ^2/NDF: 2797974.0/23

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2039.621+/-0.390 χ^2/NDF: 2811925.6/28

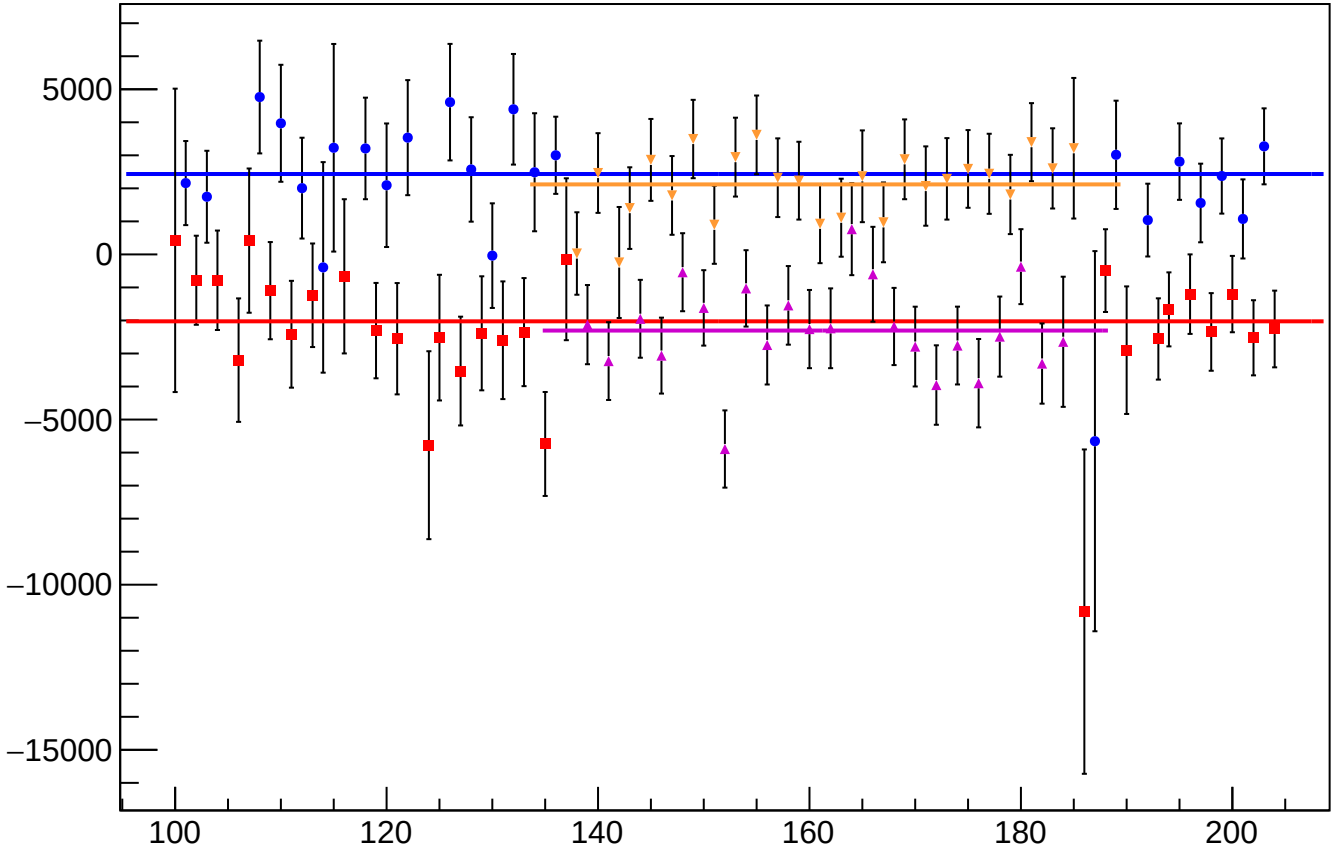
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1613.340+/-0.208 χ^2/NDF: 4306786.6/48

All: 1631.660+/-0.148 χ^2/NDF: 9507109.4/10

- sign 1650.457+/-0.211 χ^2/NDF: 5184600.7/51

overload_cor_asym_usr_mean vs Slug



Right In: 2434.303+/-303.068 χ^2/NDF: 16.3/23

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2025.898+/-285.778 χ^2/NDF: 20.1/28

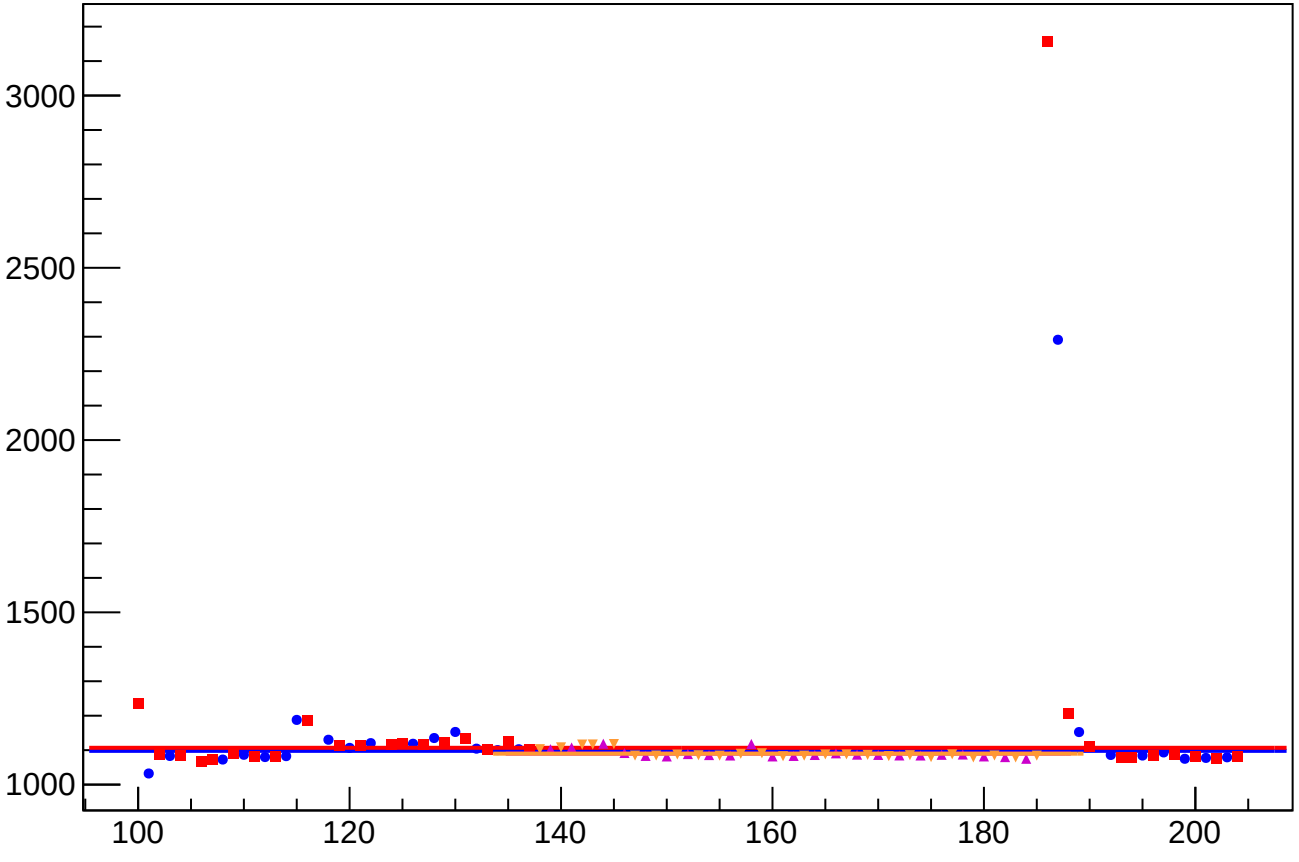
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2245.760+/-191.719 χ^2/NDF: 32.0/48

All: 12.724+/-134.974 χ^2/NDF: 350.1/100

- sign -2181.784+/-190.058 χ^2/NDF: 49.1/51

overload_cor_asym_usr_rms vs Slug



Right In: 1097.944+/-0.214 χ^2/NDF: 103789.9/23

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1106.843+/-0.202 χ^2/NDF: 376287.7/28

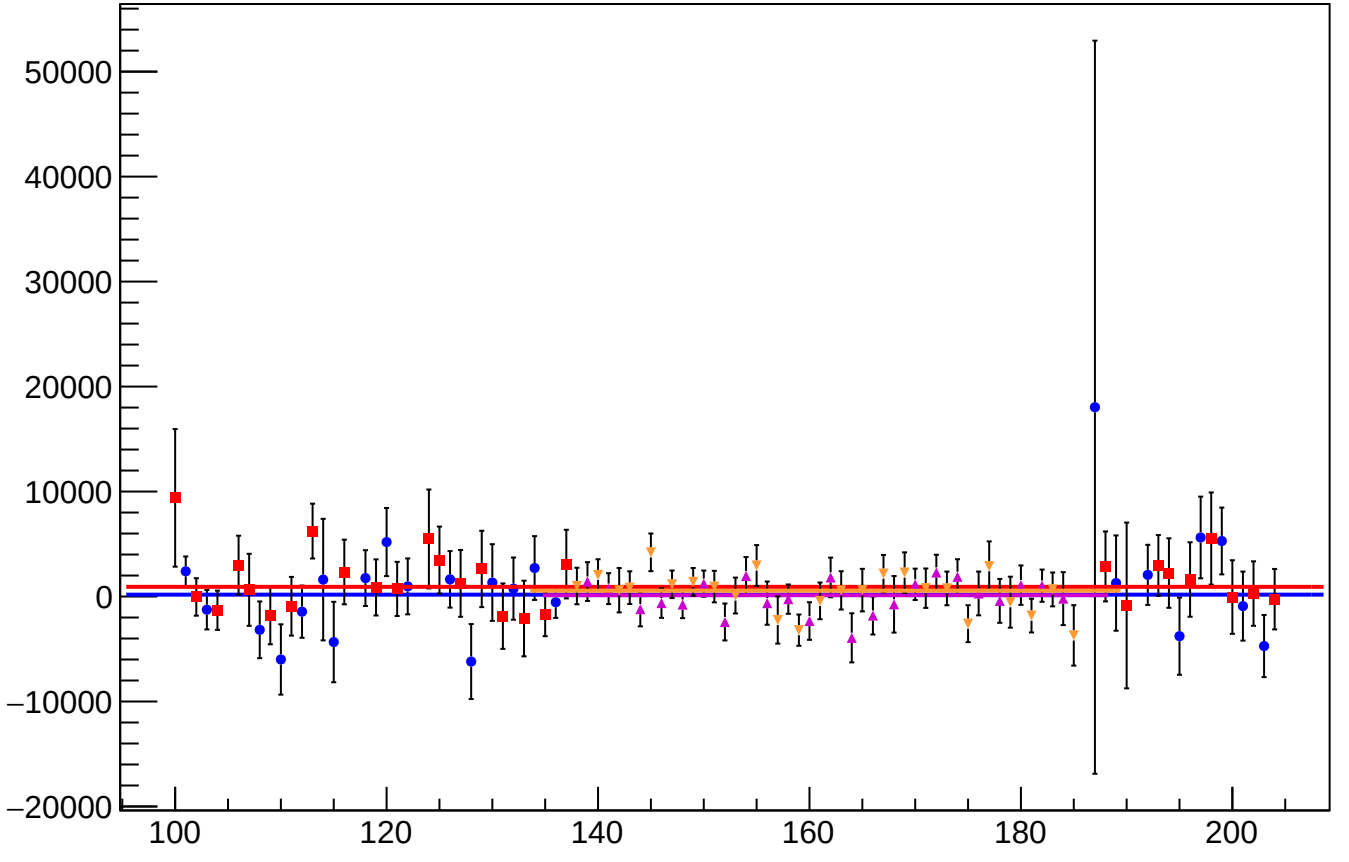
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1093.025+/-0.136 χ^2/NDF: 108725.9/48

All: 1095.247+/-0.095 χ^2/NDF: 493333.0/100

- sign 1097.430+/-0.134 χ^2/NDF: 384074.8/51

asym_usr_overload_cor_correction_mean vs Slug



Right In: 178.483+/-556.617 χ^2/NDF: 26.6/23

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 921.191+/-557.612 χ^2/NDF: 17.5/27

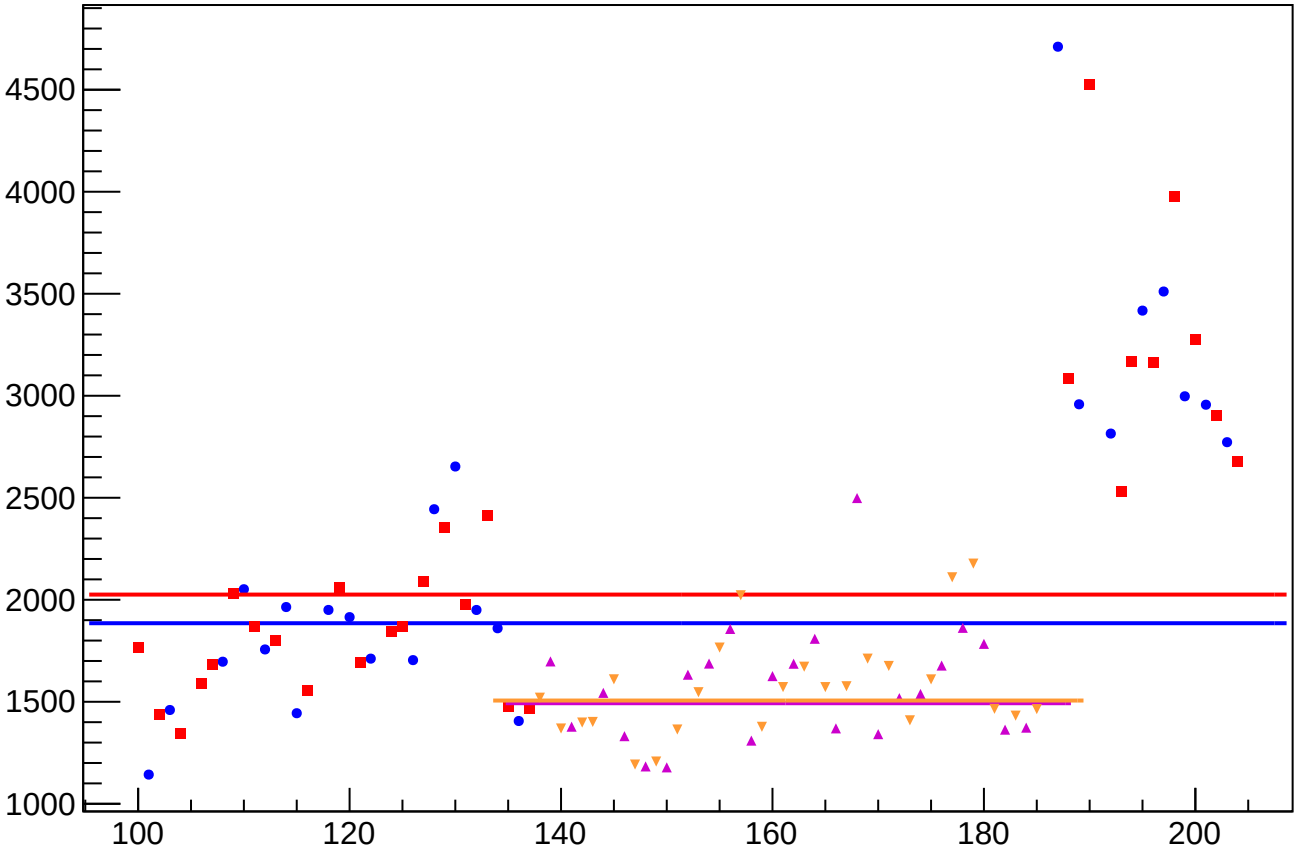
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 448.377+/-294.962 χ^2/NDF: 53.0/48

All: 400.707+/-210.047 χ^2/NDF: 89.2/99

- sign 351.661+/-299.186 χ^2/NDF: 36.1/50

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1885.093+/-0.394 χ^2/NDF: 2734093.1/23

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 2025.446+/-0.394 χ^2/NDF: 2724313.2/27

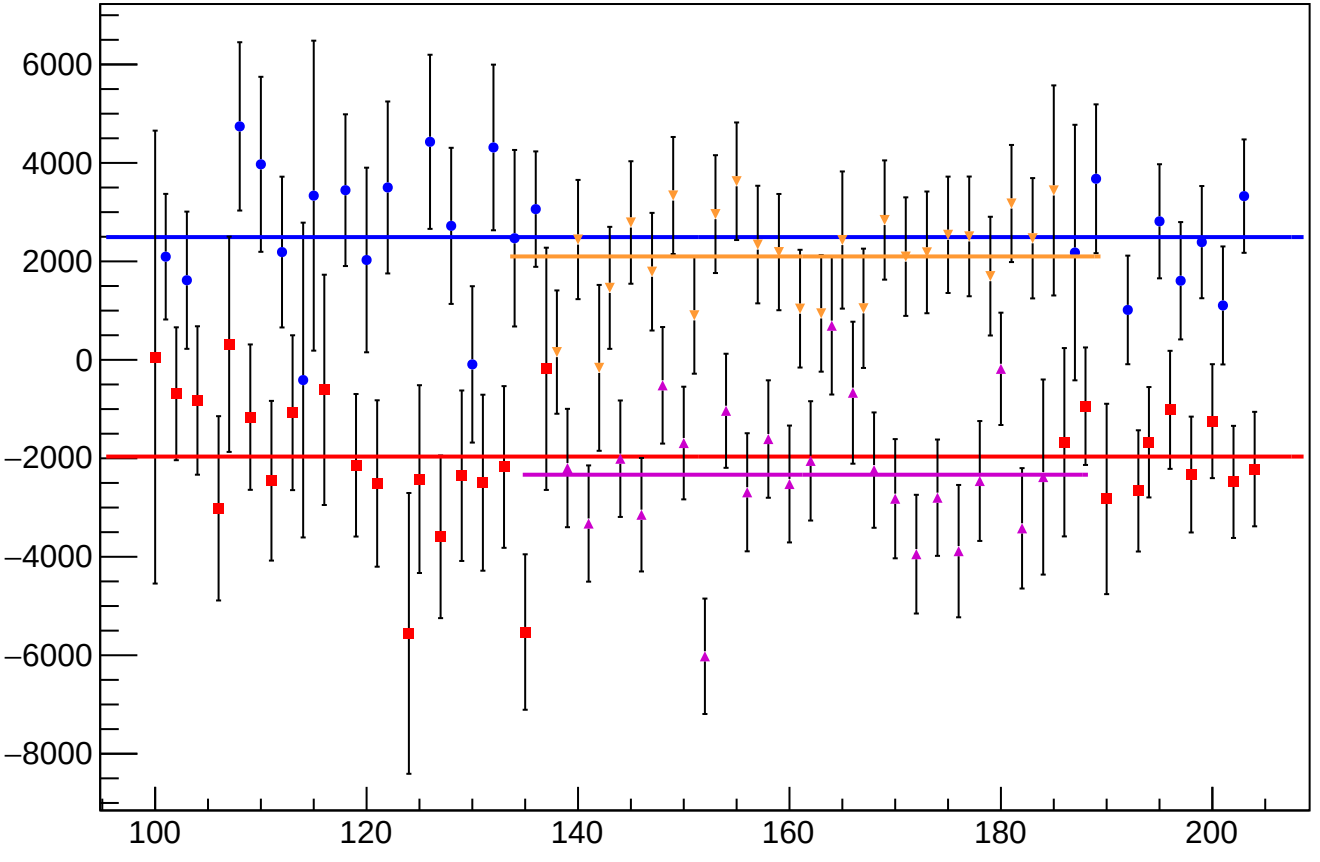
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1612.529+/-0.209 χ^2/NDF: 4197321.9/48

All: 1629.157+/-0.149 χ^2/NDF: 9197584.0/99

- sign 1646.266+/-0.212 χ^2/NDF: 4987365.8/50

eigen_cor_asym_usr_mean vs Slug



Right In: 2493.282+/-301.090 χ^2/NDF: 14.8/23

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1964.382+/-282.756 χ^2/NDF: 15.3/28

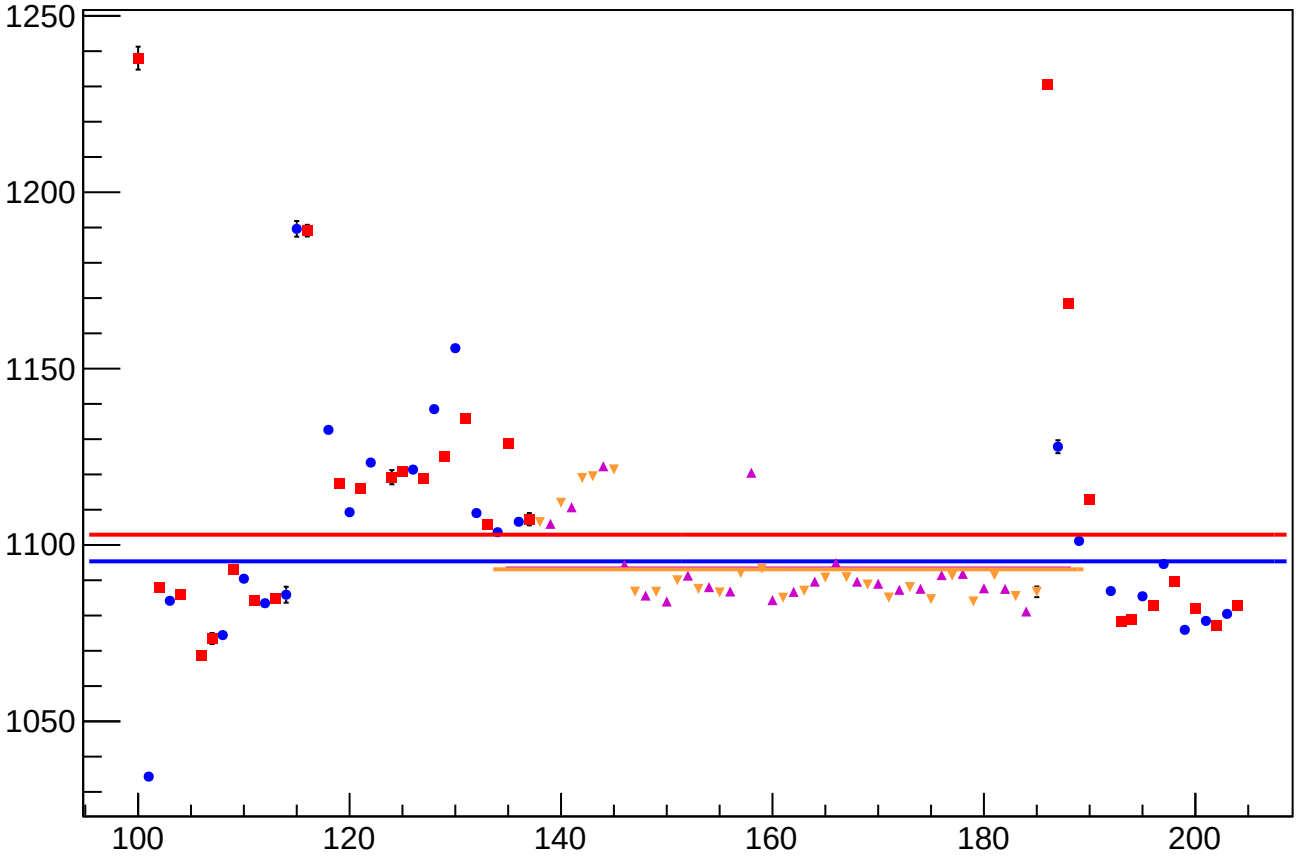
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2259.439+/-191.566 χ^2/NDF: 29.7/48

All: 21.804+/-134.715 χ^2/NDF: 345.3/100

- sign -2167.438+/-189.483 χ^2/NDF: 45.7/51

eigen_cor_asym_usr_rms vs Slug



Right In: 1095.361+/-0.213 χ^2/NDF: 15834.6/23

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1102.925+/-0.200 χ^2/NDF: 28697.6/28

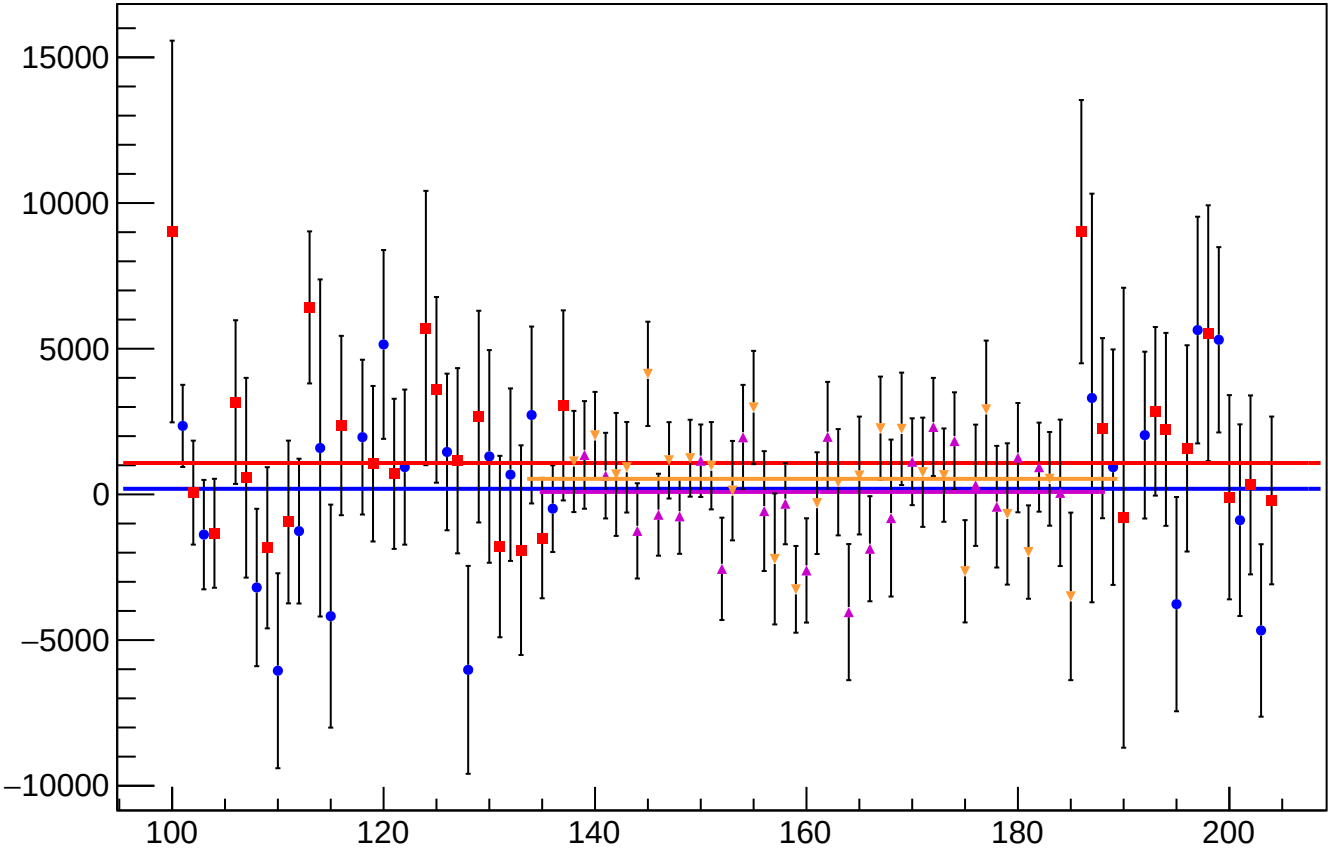
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1094.017+/-0.135 χ^2/NDF: 19884.8/48

All: 1095.850+/-0.095 χ^2/NDF: 53937.2/100

- sign 1097.644+/-0.134 χ^2/NDF: 33690.0/51

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 192.250+/-553.287 χ^2/NDF: 26.1/23

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1077.975+/-551.740 χ^2/NDF: 20.5/28

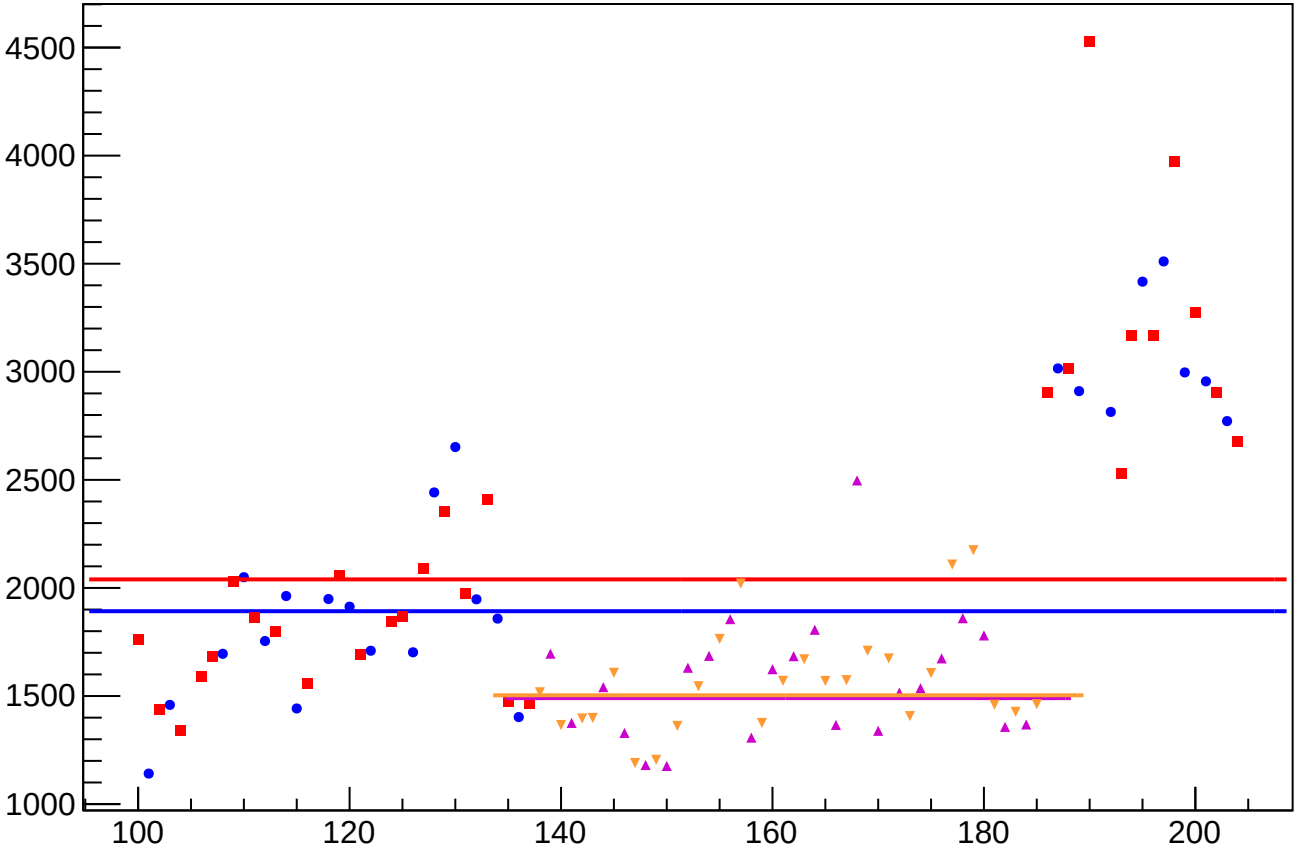
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 436.707+/-294.105 χ^2/NDF: 52.8/48

All: 406.112+/-209.295 χ^2/NDF: 93.7/100

\- sign 374.720+/-297.907 χ^2/NDF: 40.9/51

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1892.399+/-0.391 χ^2/NDF: 2797974.0/23

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

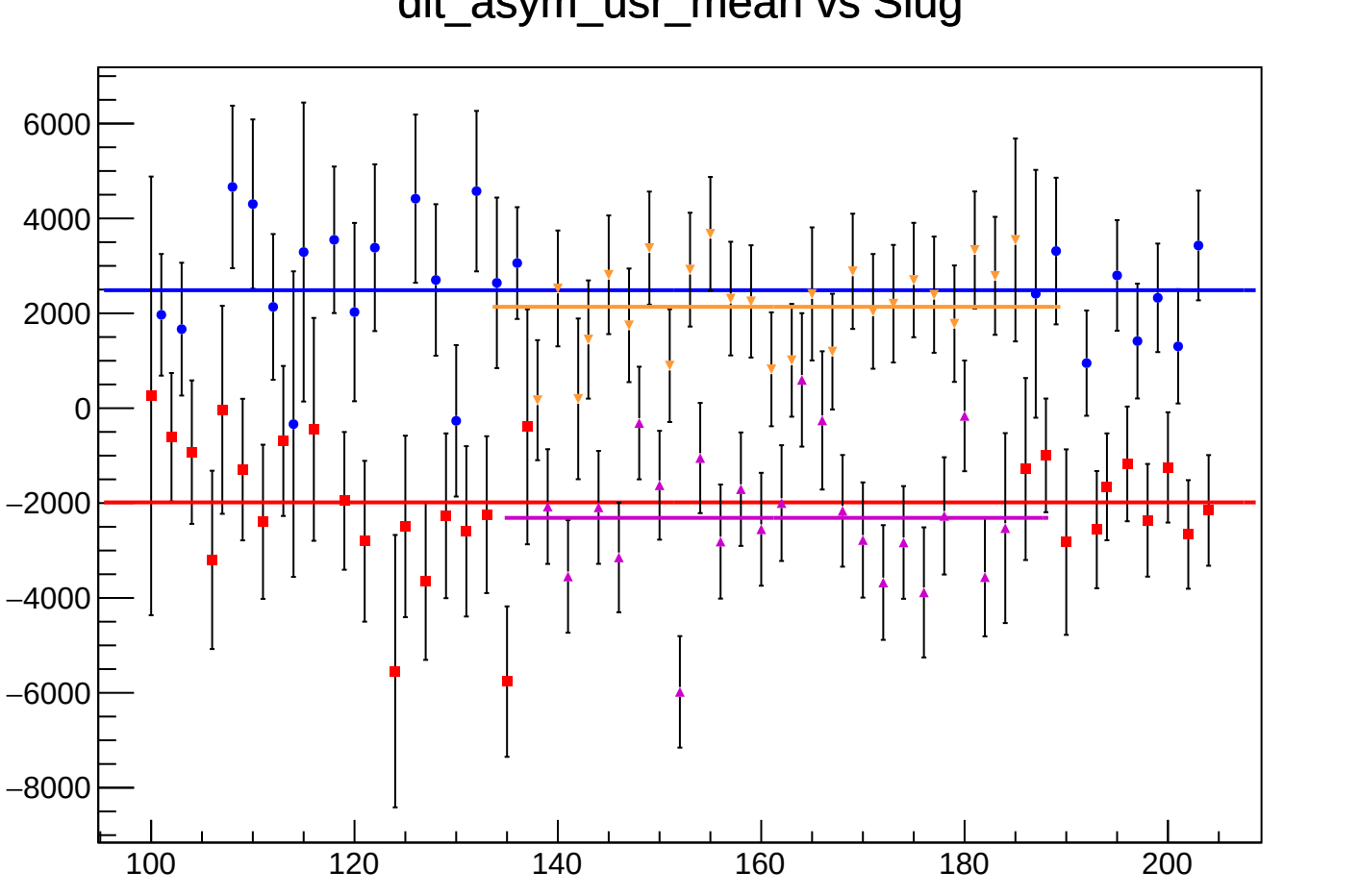
Right Out: 2039.621+/-0.390 χ^2/NDF: 2811925.6/28

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

\+ sign 1613.340+/-0.208 χ^2/NDF: 4306786.6/48

All: 1631.660+/-0.148 χ^2/NDF: 9507109.4/10

\- sign 1650.457+/-0.211 χ^2/NDF: 5184600.7/51



Right In: 2486.977+/-302.824 χ^2/NDF: 15.5/23

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -1985.319+/-284.160 χ^2/NDF: 16.1/28

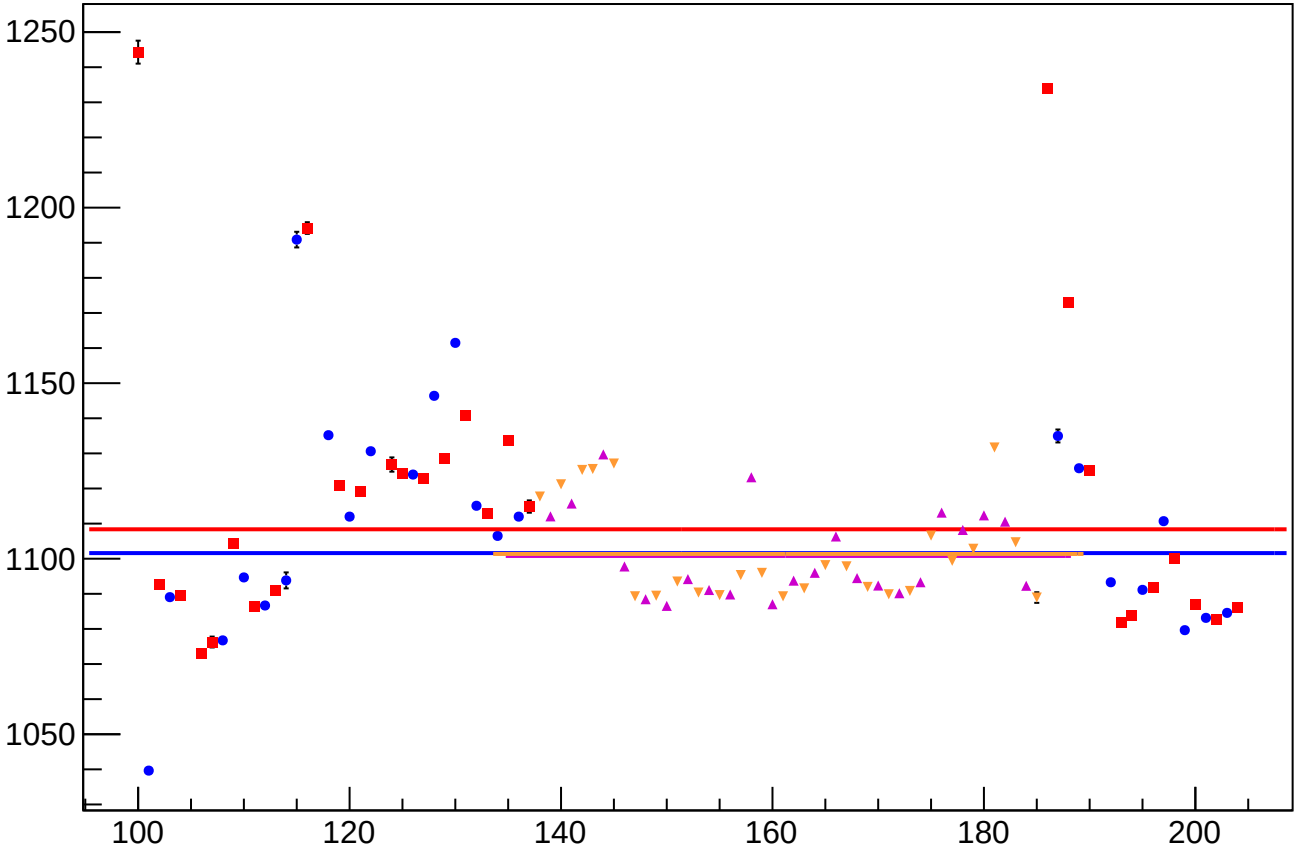
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2279.091+/-192.879 χ^2/NDF: 30.2/48

All: 30.954+/-135.581 χ^2/NDF: 345.5/100

- sign -2164.860+/-190.622 χ^2/NDF: 46.7/51

dit_asym_usr_rms vs Slug



Right In: 1101.601+/-0.214 χ^2/NDF: 16490.3/23

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1108.379+/-0.201 χ^2/NDF: 28115.4/28

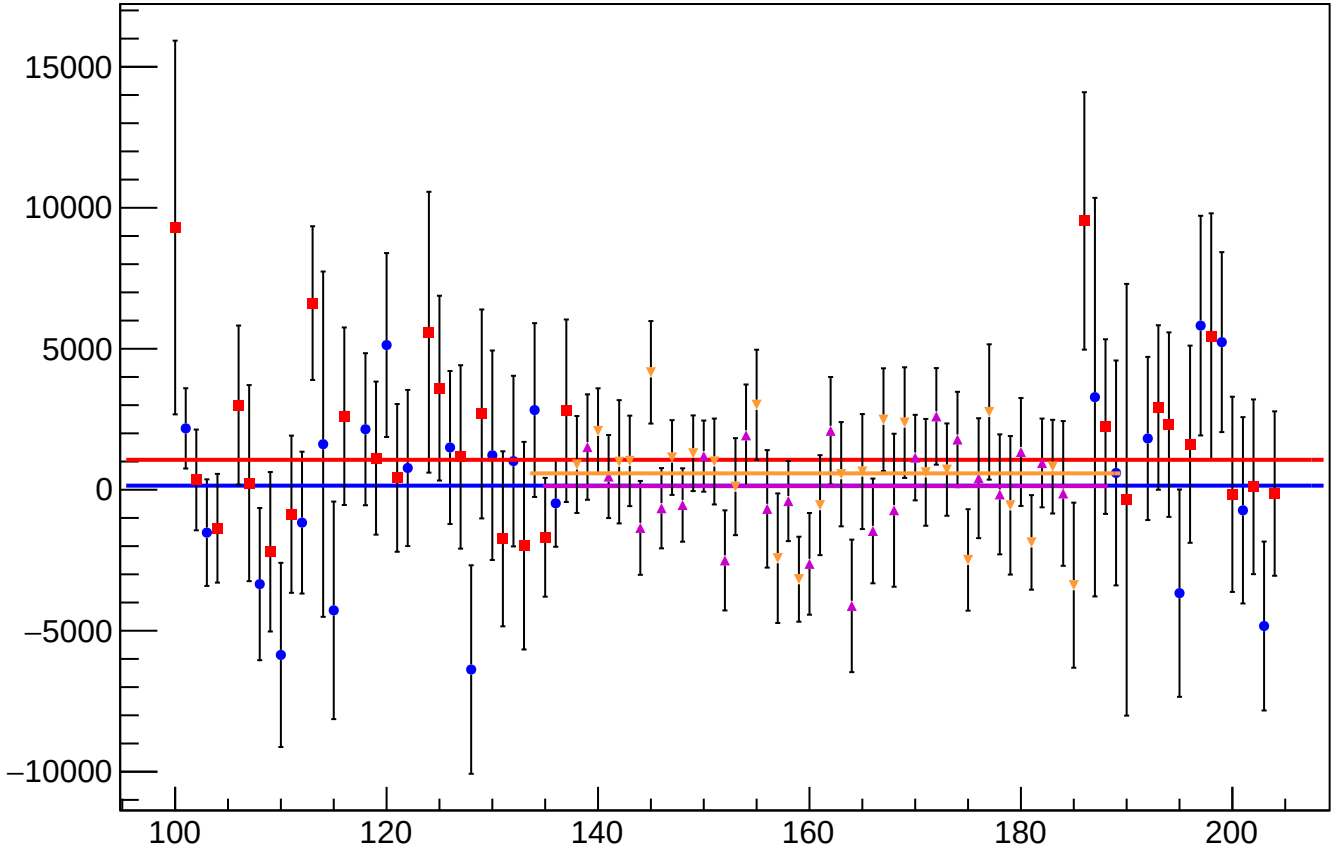
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

\+ sign 1101.454+/-0.136 χ^2/NDF: 22441.7/48

All: 1102.846+/-0.096 χ^2/NDF: 56189.0/100

\- sign 1104.206+/-0.135 χ^2/NDF: 33541.2/51

asym_usr_dit_correction_mean vs Slug



Right In: 145.669+/-560.908 χ^2/NDF: 26.0/23

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 1061.960+/-558.784 χ^2/NDF: 20.8/28

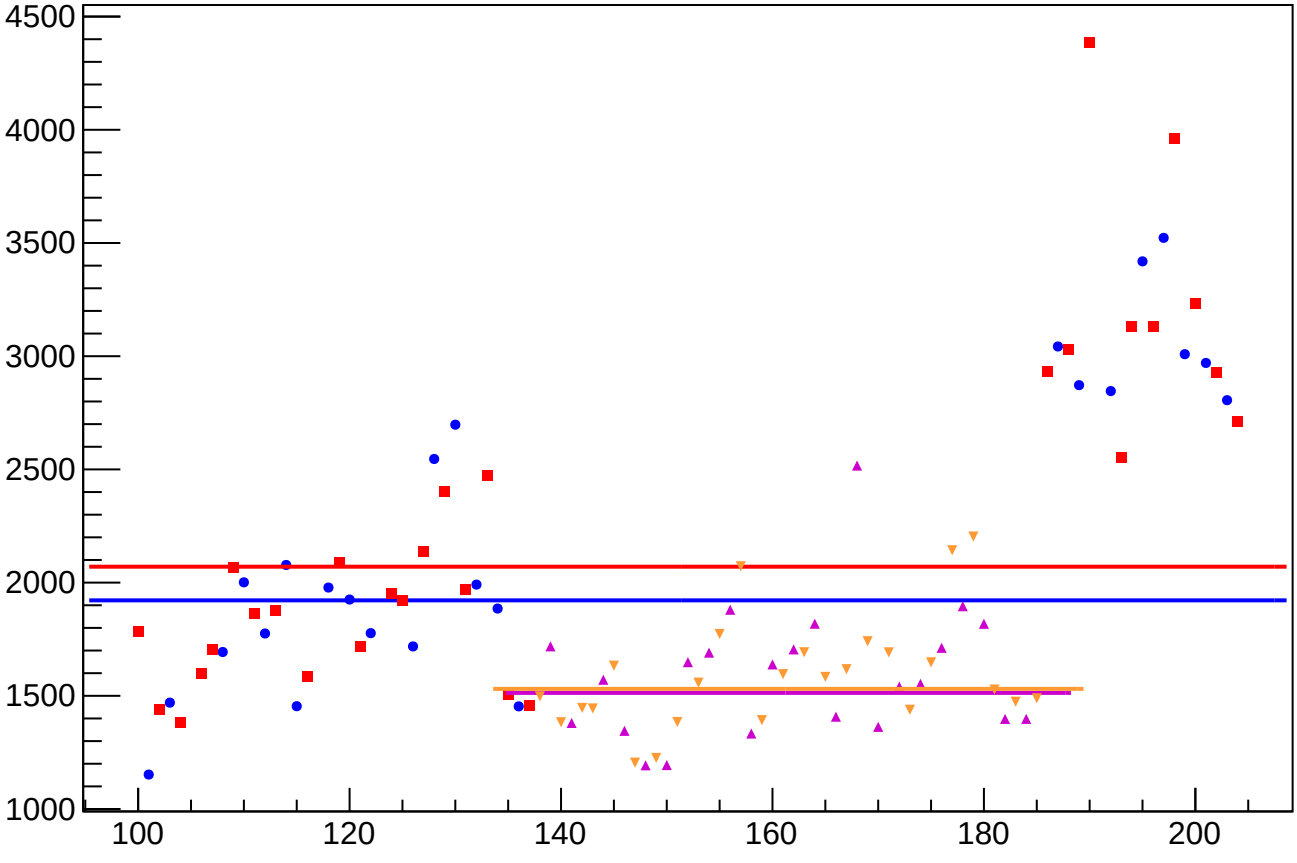
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 457.607+/-298.995 χ^2/NDF: 51.8/48

All: 429.872+/-212.515 χ^2/NDF: 92.5/100

- sign 401.555+/-302.113 χ^2/NDF: 40.6/51

asym_usr_dit_correction_rms vs Slug



Right In: 1921.656+/-0.397 χ^2/NDF: 2744362.7/23

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

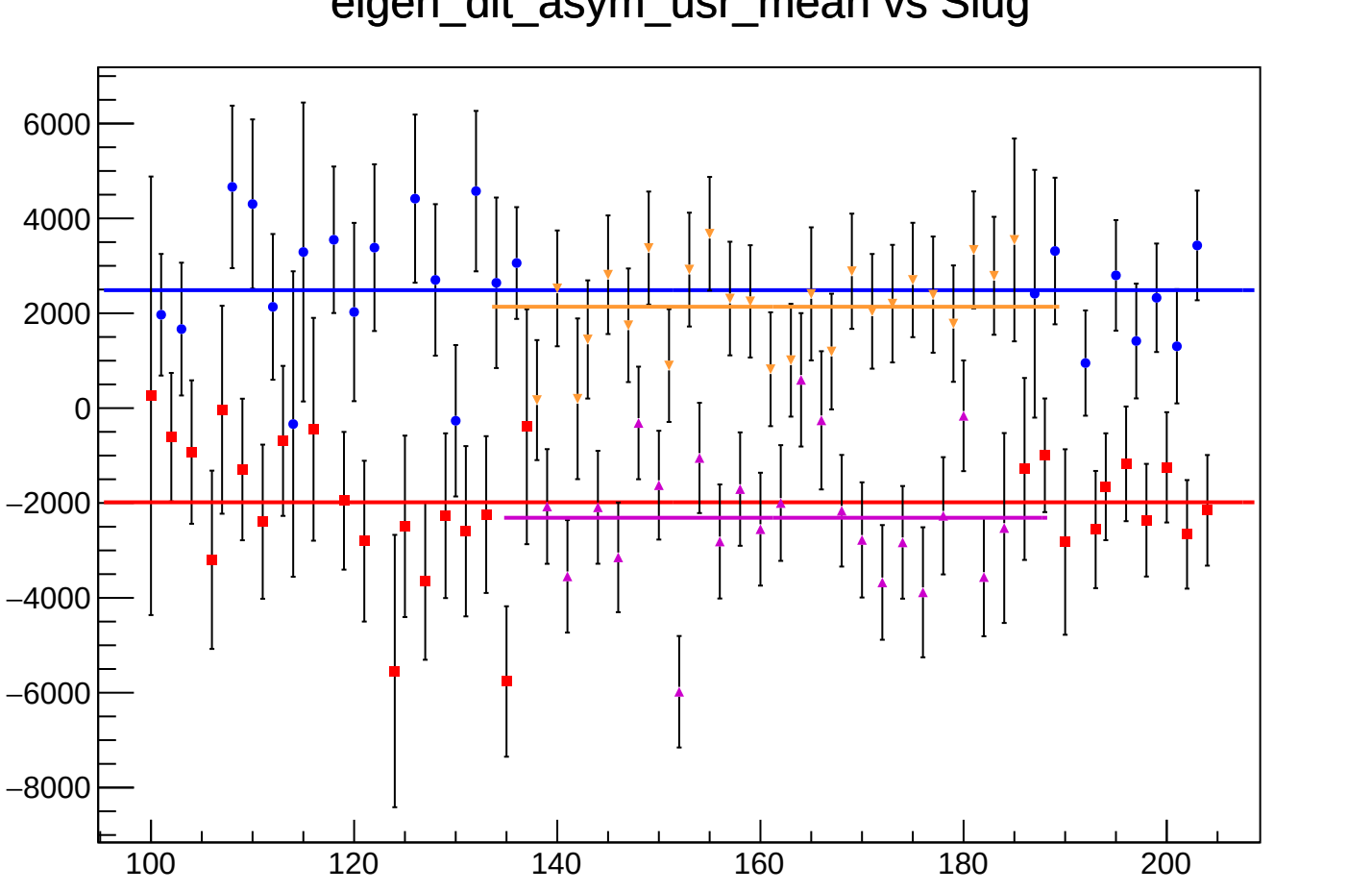
Right Out: 2070.338+/-0.395 χ^2/NDF: 2700076.0/28

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1641.836+/-0.211 χ^2/NDF: 4235313.7/48

All: 1658.682+/-0.150 χ^2/NDF: 9313601.6/10

- sign 1675.881+/-0.214 χ^2/NDF: 5065457.1/51



Right In: 2486.975+/-302.824 χ^2/NDF: 15.5/23

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -1985.318+/-284.160 χ^2/NDF: 16.1/28

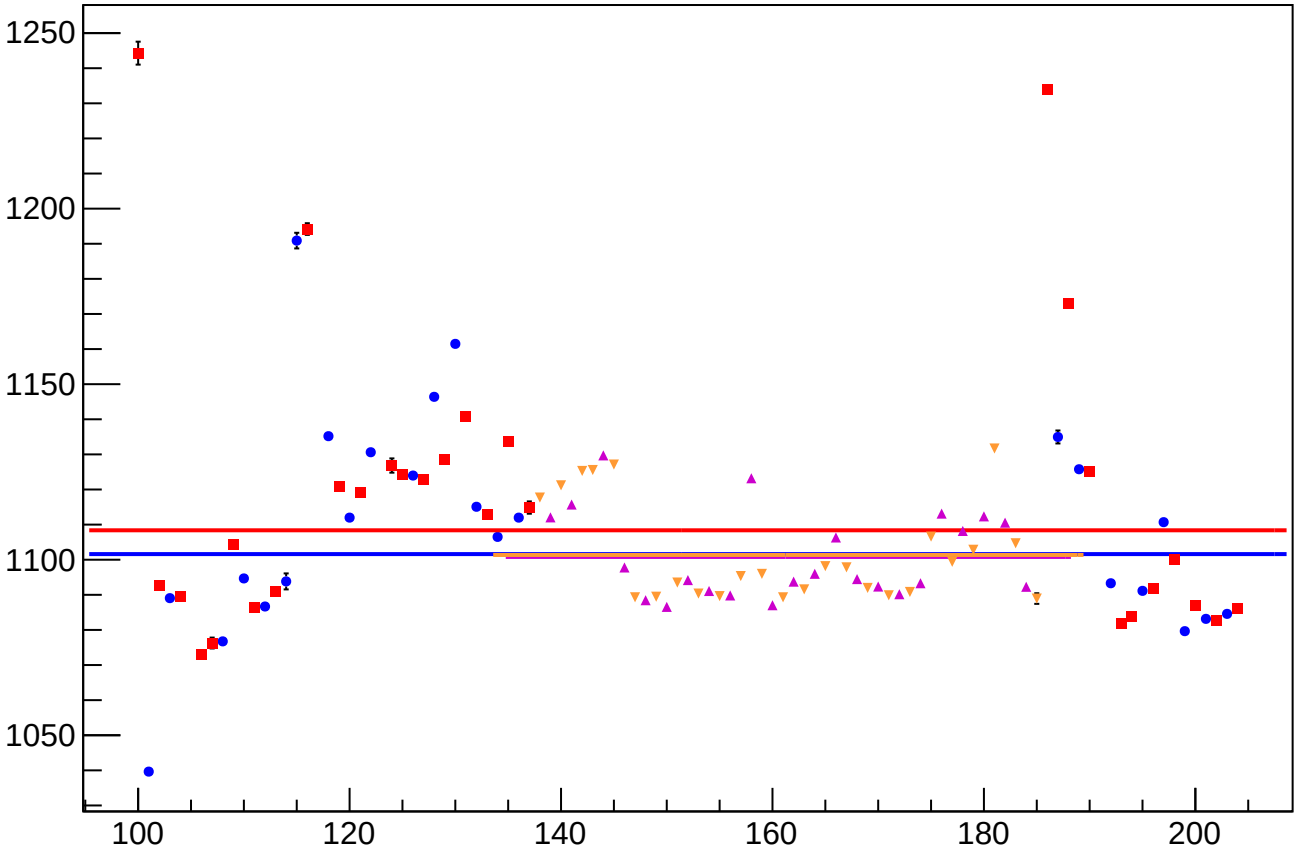
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2279.089+/-192.879 χ^2/NDF: 30.2/48

All: 30.954+/-135.581 χ^2/NDF: 345.5/100

- sign -2164.859+/-190.622 χ^2/NDF: 46.7/51

eigen_dit_asym_usr_rms vs Slug



Right In: 1101.601+/-0.214 χ^2/NDF: 16490.2/23

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1108.379+/-0.201 χ^2/NDF: 28115.4/28

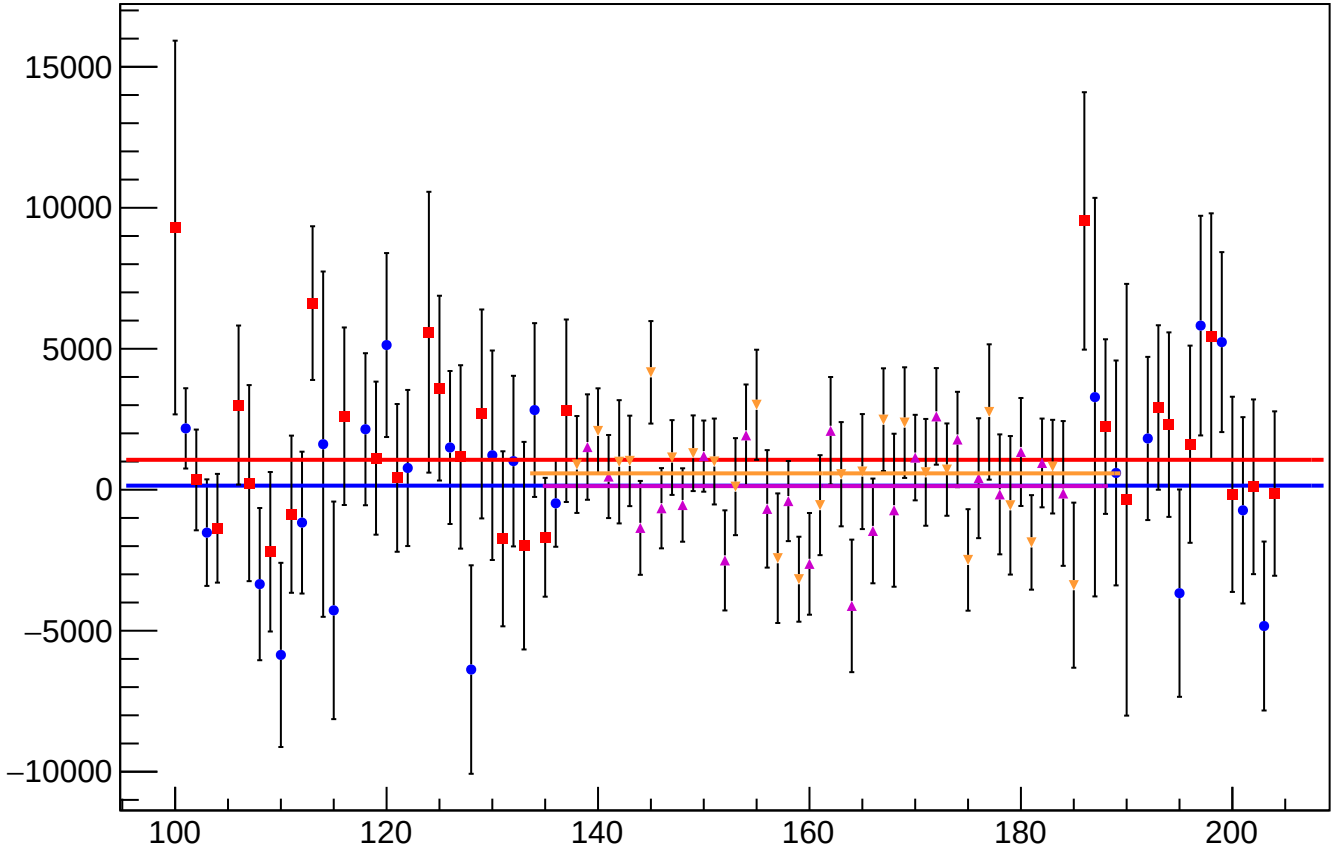
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1101.454+/-0.136 χ^2/NDF: 22441.6/48

All: 1102.846+/-0.096 χ^2/NDF: 56188.8/100

- sign 1104.206+/-0.135 χ^2/NDF: 33541.1/51

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 145.666+/-560.908 χ^2/NDF: 26.0/23

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 1061.961+/-558.784 χ^2/NDF: 20.8/28

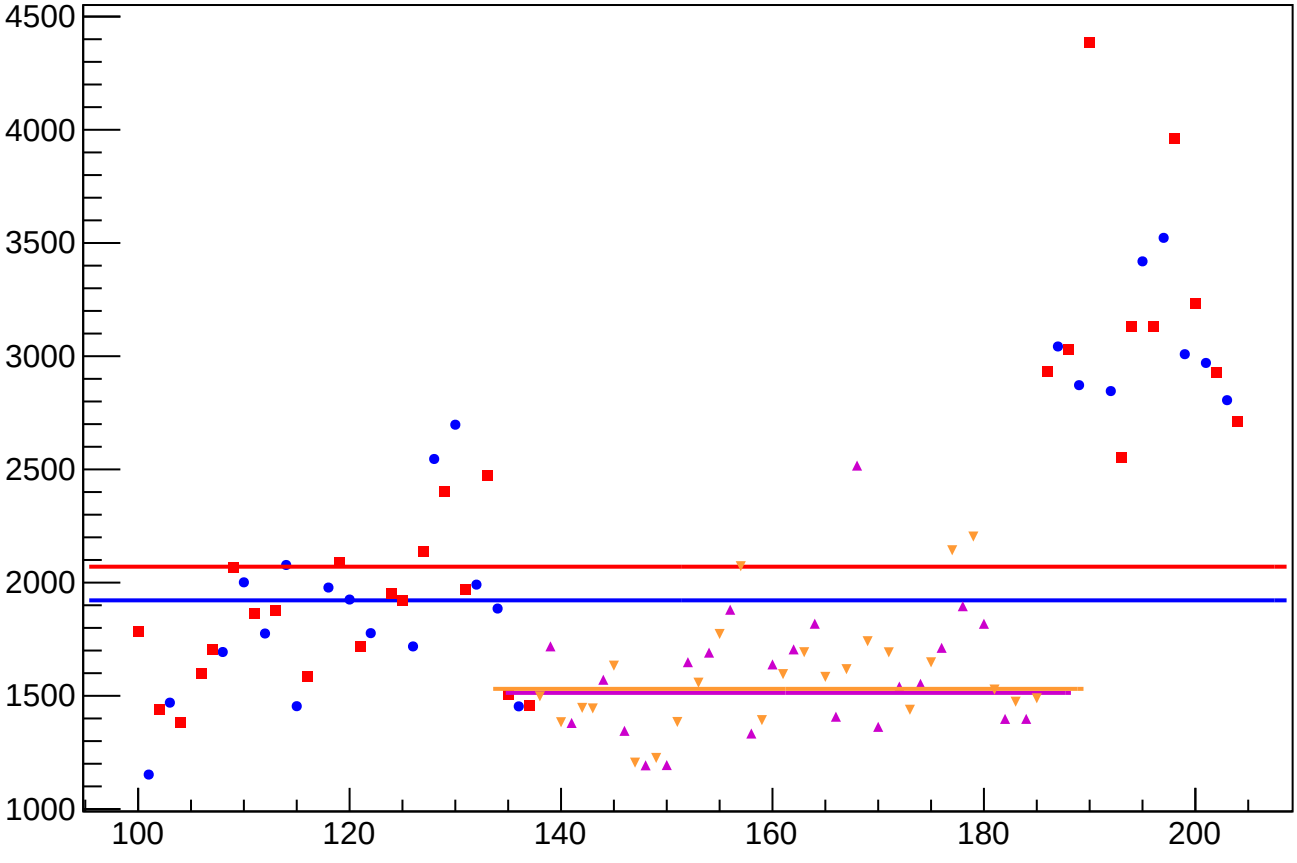
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

+ sign 457.605+/-298.996 χ^2/NDF: 51.8/48

All: 429.871+/-212.516 χ^2/NDF: 92.5/100

- sign 401.557+/-302.114 χ^2/NDF: 40.6/51

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1921.654+/-0.397 χ^2/NDF: 2744362.4/23

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

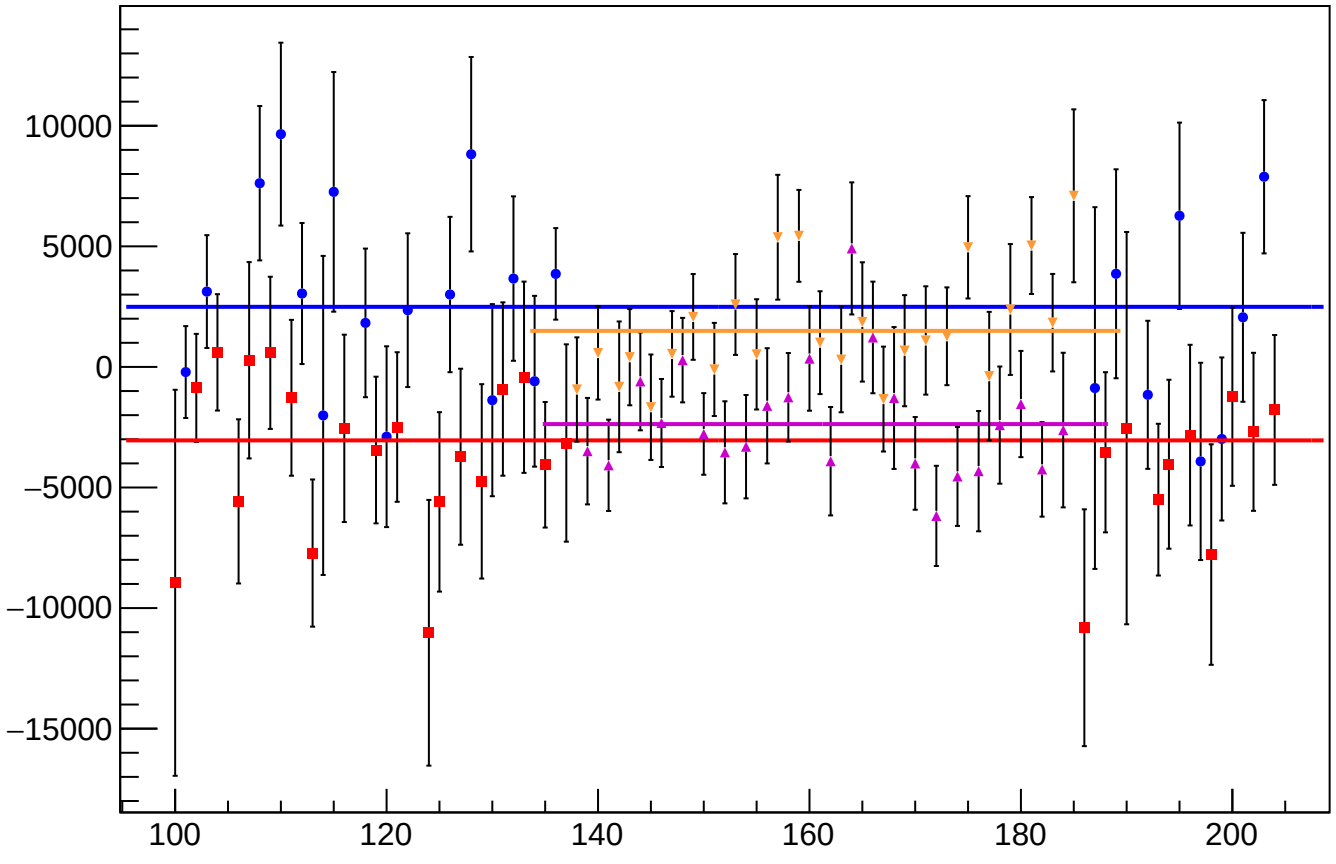
Right Out: 2070.337+/-0.395 χ^2/NDF: 2700072.1/28

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1641.838+/-0.211 χ^2/NDF: 4235295.8/48

All: 1658.684+/-0.150 χ^2/NDF: 9313558.5/10

- sign 1675.884+/-0.214 χ^2/NDF: 5065431.7/51



Right In: 2491.931+/-657.045 χ^2/NDF: 27.2/23

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3045.998+/-642.241 χ^2/NDF: 17.5/28

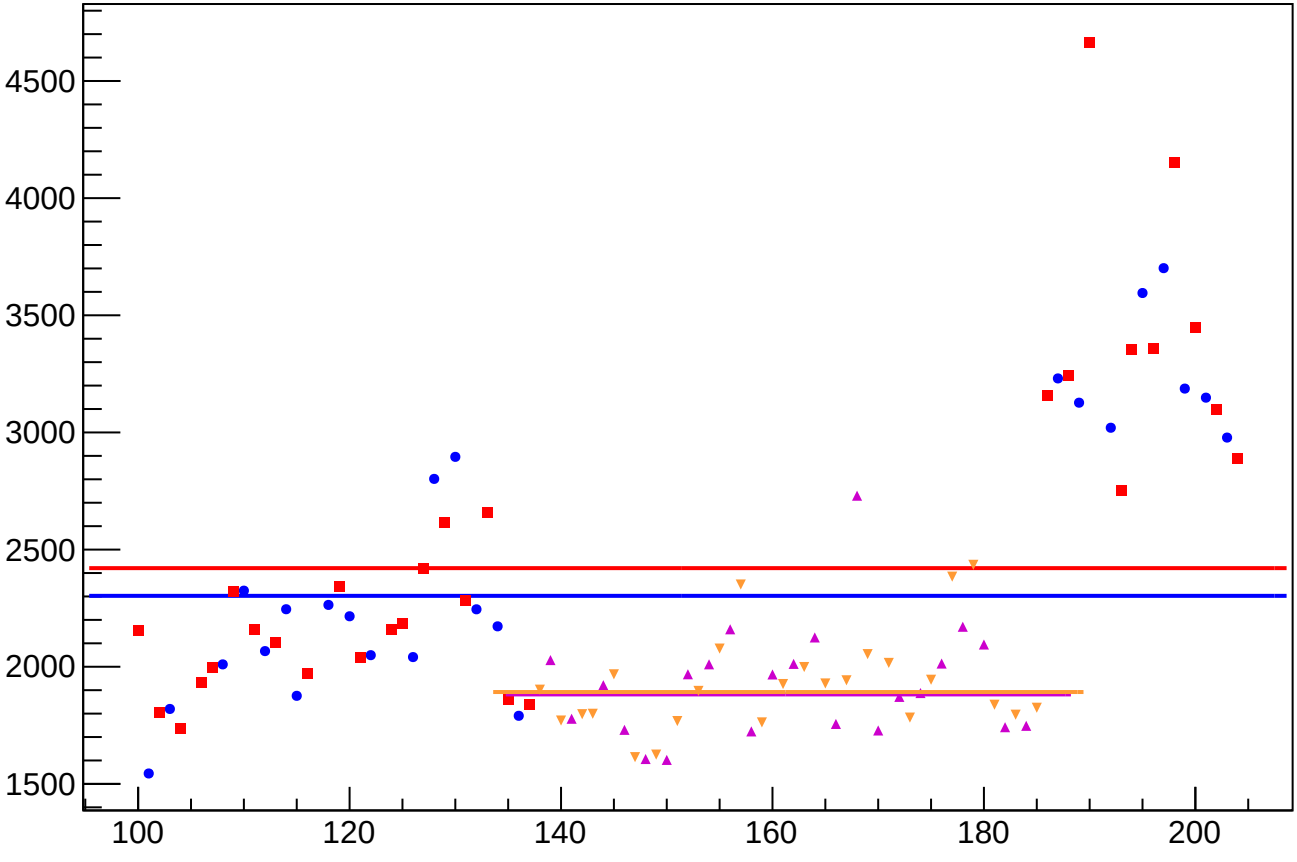
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1797.070+/-361.664 χ^2/NDF: 52.6/48

All: -377.704+/-256.780 χ^2/NDF: 167.4/100

- sign -2588.377+/-364.637 χ^2/NDF: 41.9/51

asym_usr_rms vs Slug



Right In: 2302.622+/-0.465 χ^2/NDF: 1711033.5/23

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

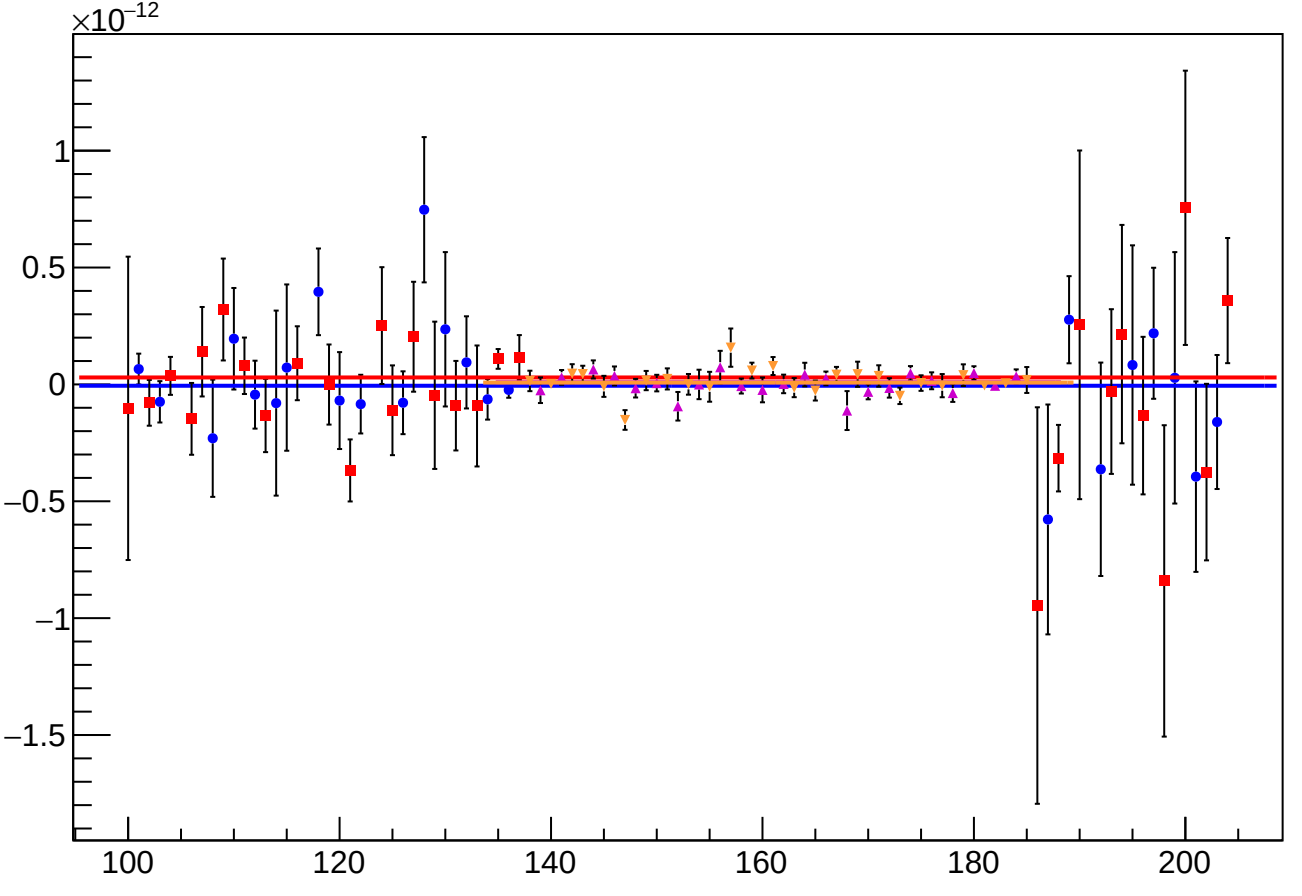
Right Out: 2420.868+/-0.454 χ^2/NDF: 1815821.2/28

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 2016.494+/-0.256 χ^2/NDF: 2644833.4/48

All: 2035.901+/-0.182 χ^2/NDF: 5889435.9/10

- sign 2055.629+/-0.258 χ^2/NDF: 3232988.9/51



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.6/28

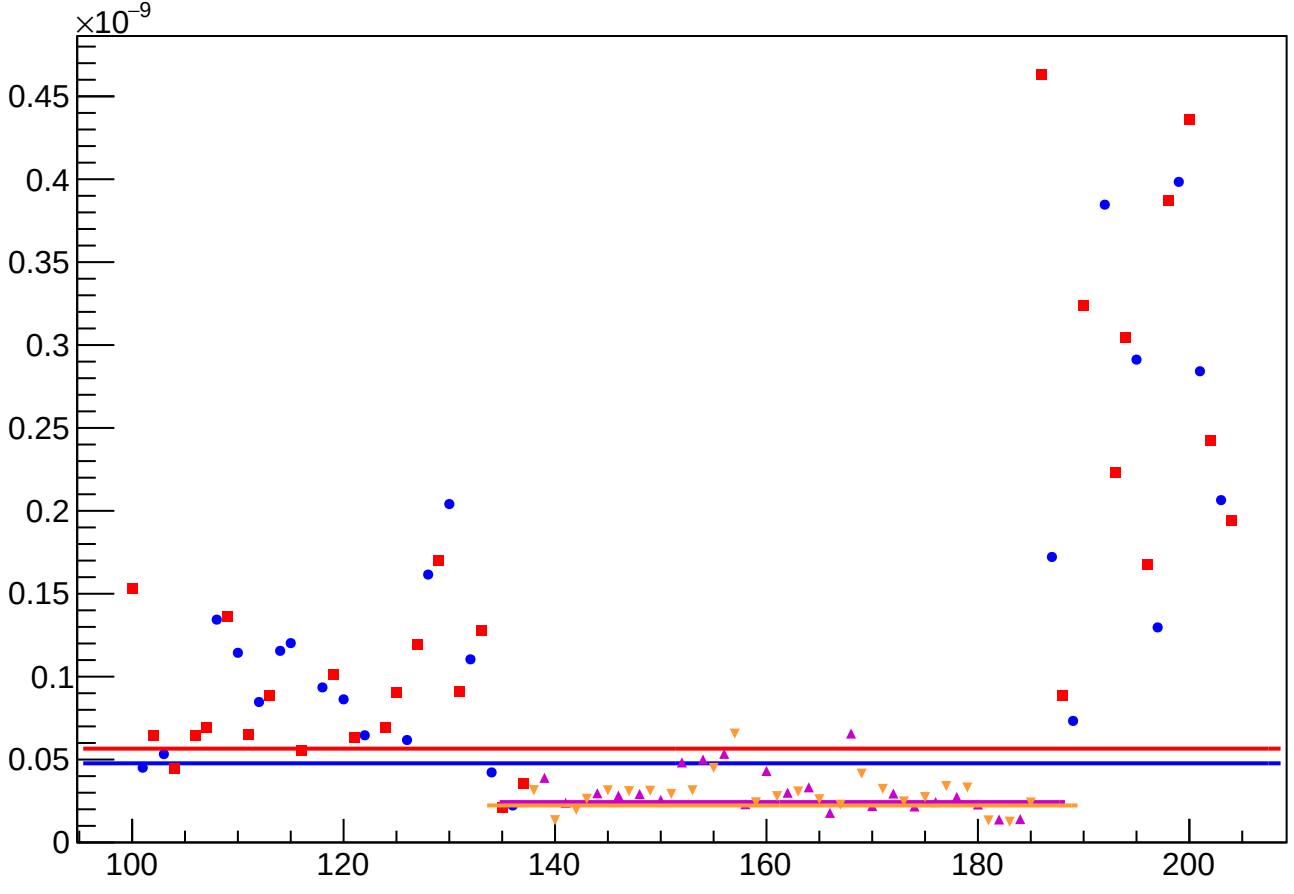
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.3/48

All: 0.000+/-0.000 χ^2/NDF: 110.7/100

- sign 0.000+/-0.000 χ^2/NDF: 55.3/51

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7053482.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

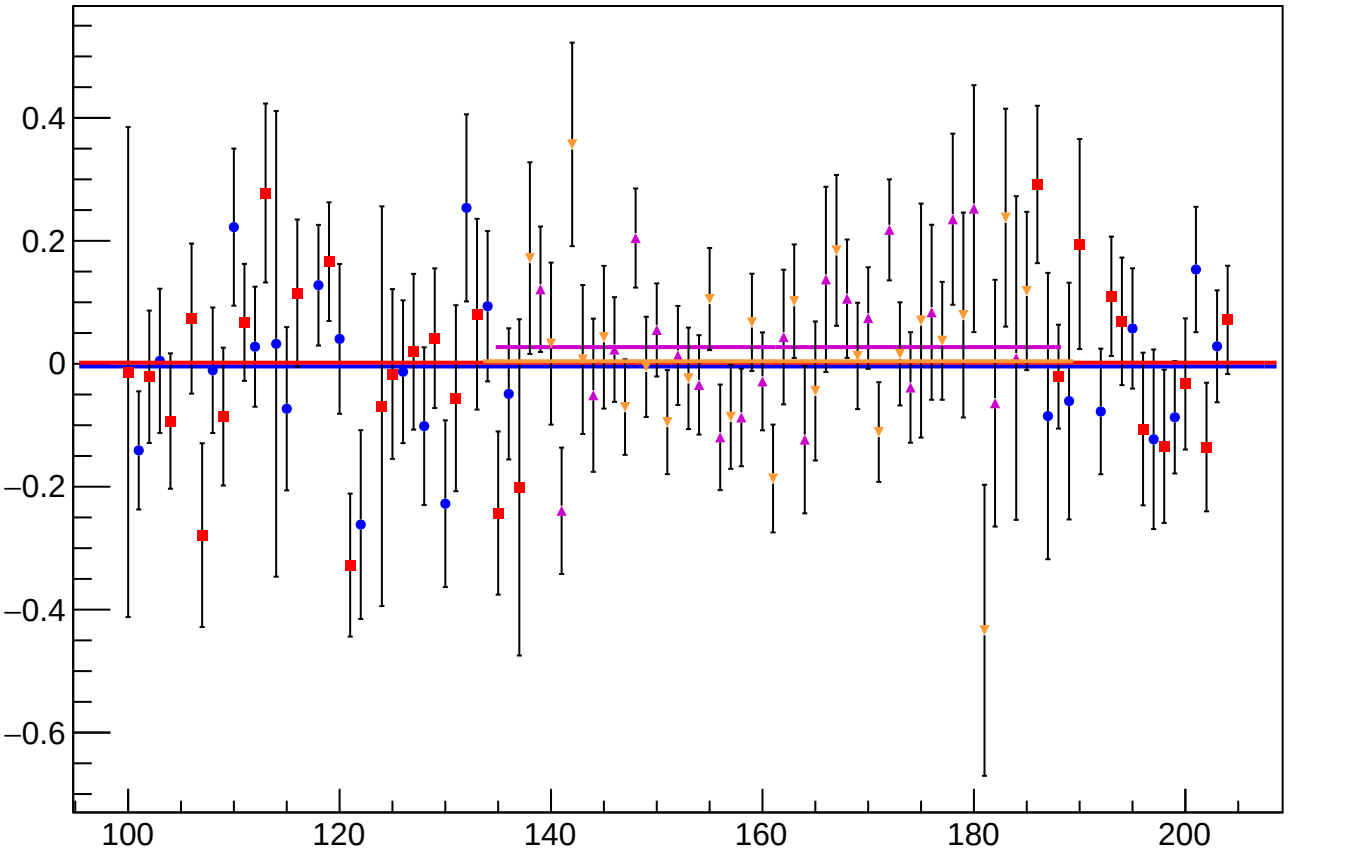
Right Out: 0.000+/-0.000 χ^2/NDF: 7175965.6/28

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12794847.3/48

All: 0.000+/-0.000 χ^2/NDF: 26051811.5/100

- sign 0.000+/-0.000 χ^2/NDF: 13122578.6/51



Right In: -0.004+/-0.024 χ^2/NDF: 22.4/23

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.022 χ^2/NDF: 38.2/28

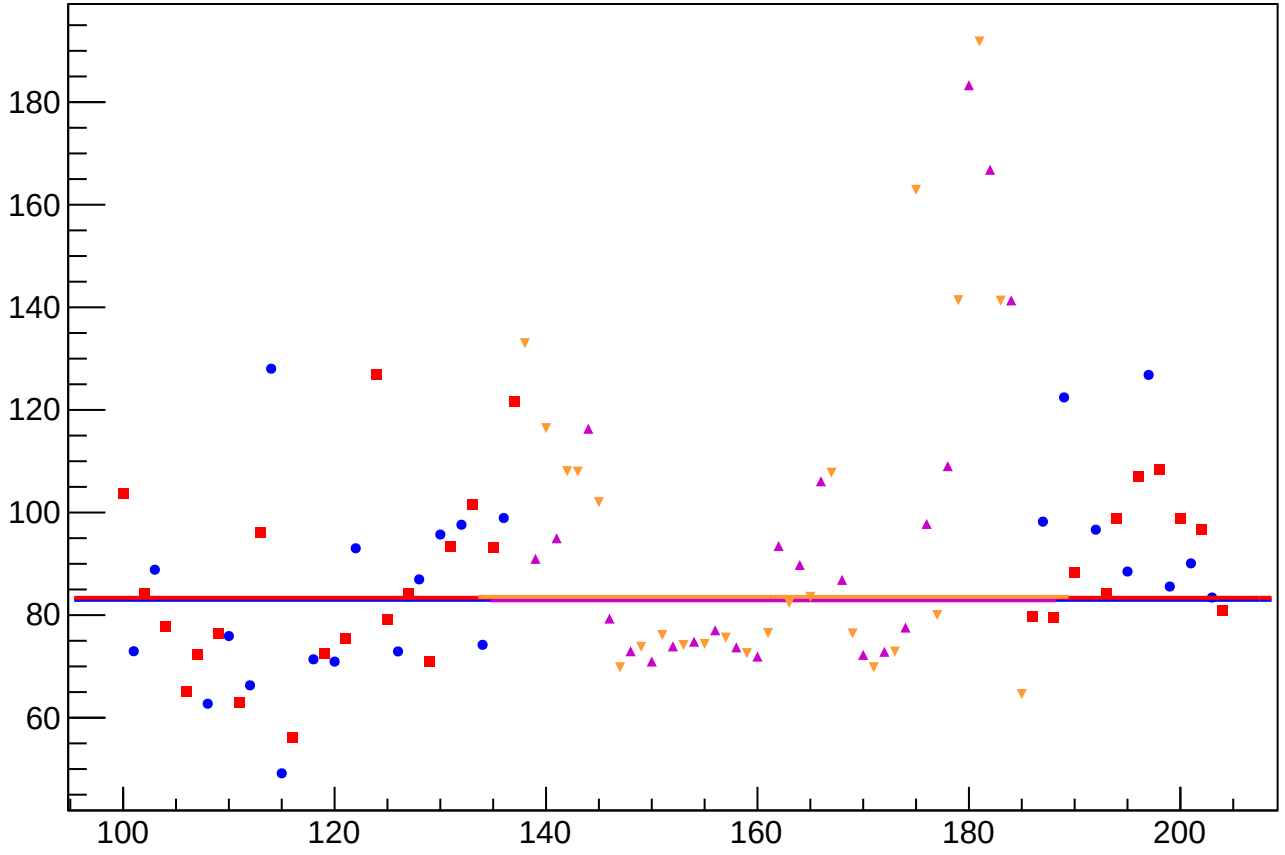
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.001+/-0.015 χ^2/NDF: 50.7/48

All: 0.008+/-0.011 χ^2/NDF: 122.0/100

- sign 0.015+/-0.015 χ^2/NDF: 70.9/51

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 82.980+/-0.017 χ^2/NDF: 818109.8/23

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 83.383+/-0.016 χ^2/NDF: 746033.7/28

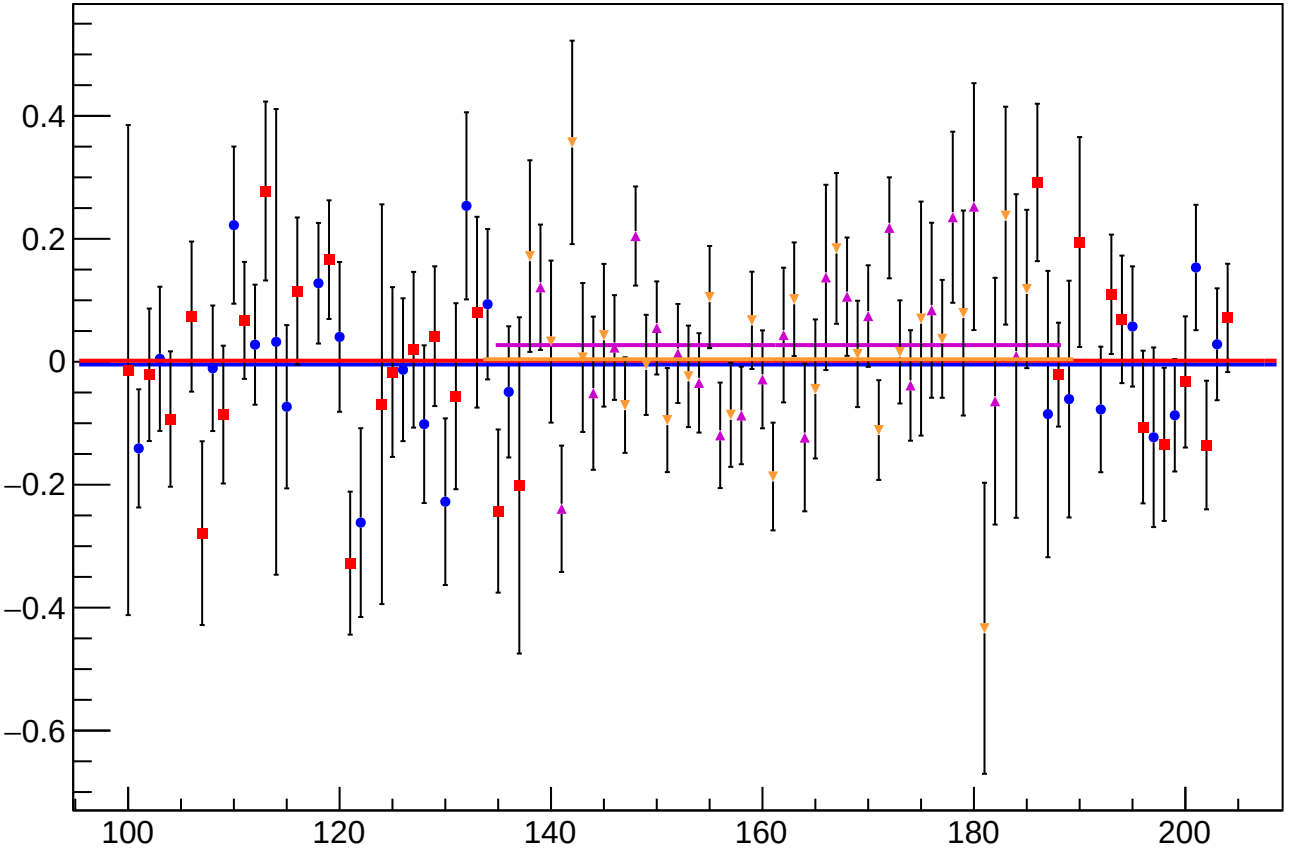
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 83.321+/-0.011 χ^2/NDF: 2991731.2/48

All: 83.216+/-0.008 χ^2/NDF: 5311472.9/100

- sign 83.116+/-0.011 χ^2/NDF: 2319563.4/51

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.024 χ^2/NDF: 22.4/23

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.022 χ^2/NDF: 38.2/28

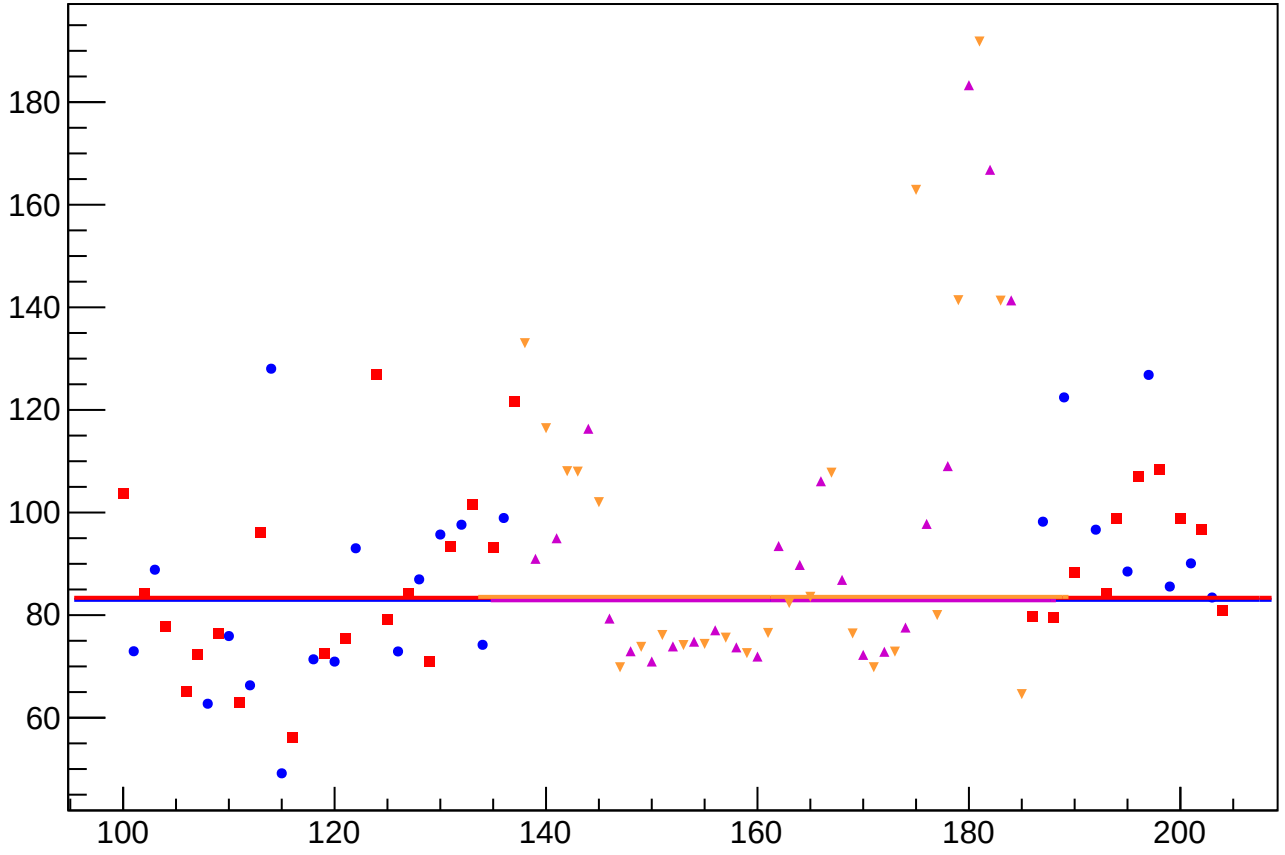
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.001+/-0.015 χ^2/NDF: 50.7/48

All: 0.008+/-0.011 χ^2/NDF: 122.0/100

- sign 0.015+/-0.015 χ^2/NDF: 70.9/51

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 82.980+/-0.017 χ^2/NDF: 818109.8/23

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 83.383+/-0.016 χ^2/NDF: 746033.7/28

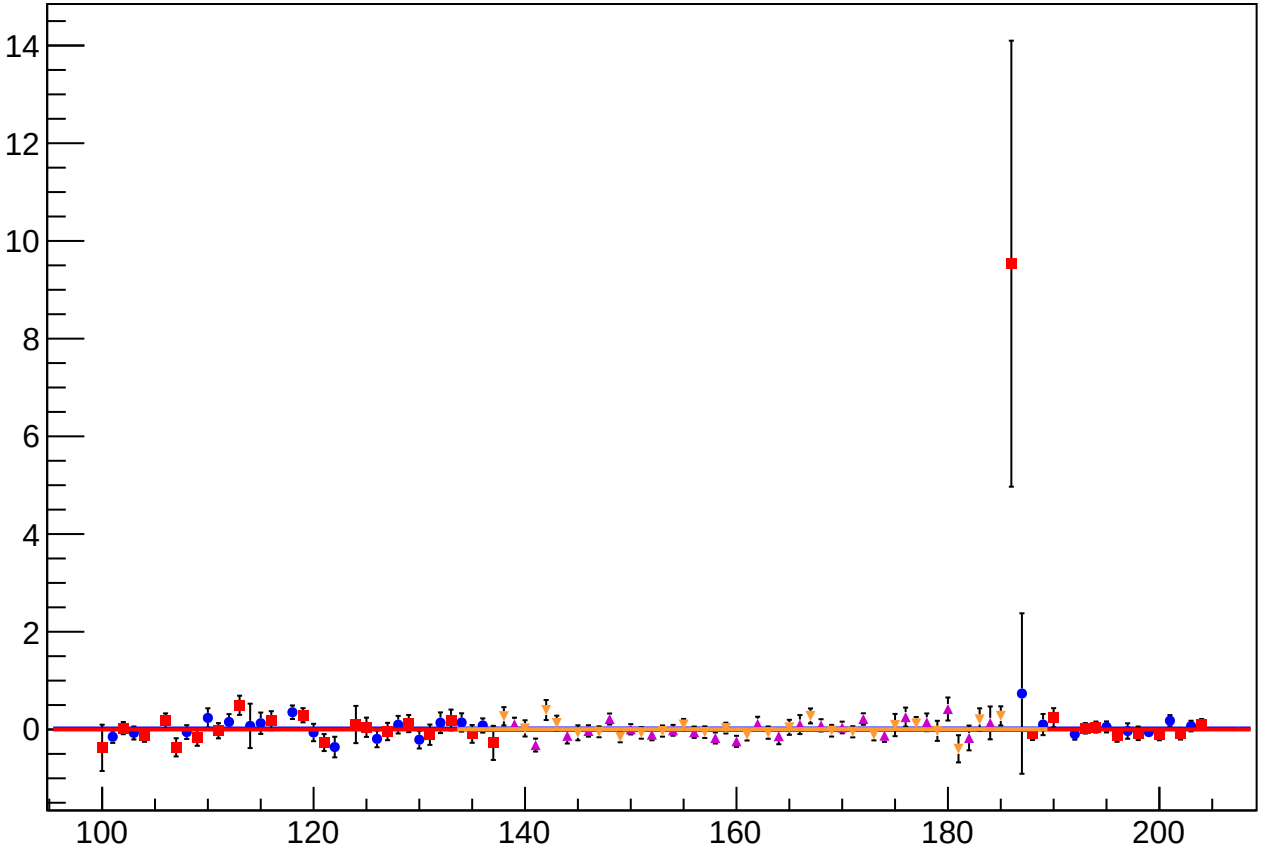
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 83.321+/-0.011 χ^2/NDF: 2991731.2/48

All: 83.216+/-0.008 χ^2/NDF: 5311472.9/100

- sign 83.116+/-0.011 χ^2/NDF: 2319563.4/51

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.019+/-0.031 χ^2/NDF: 22.4/23

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.001+/-0.029 χ^2/NDF: 33.9/28

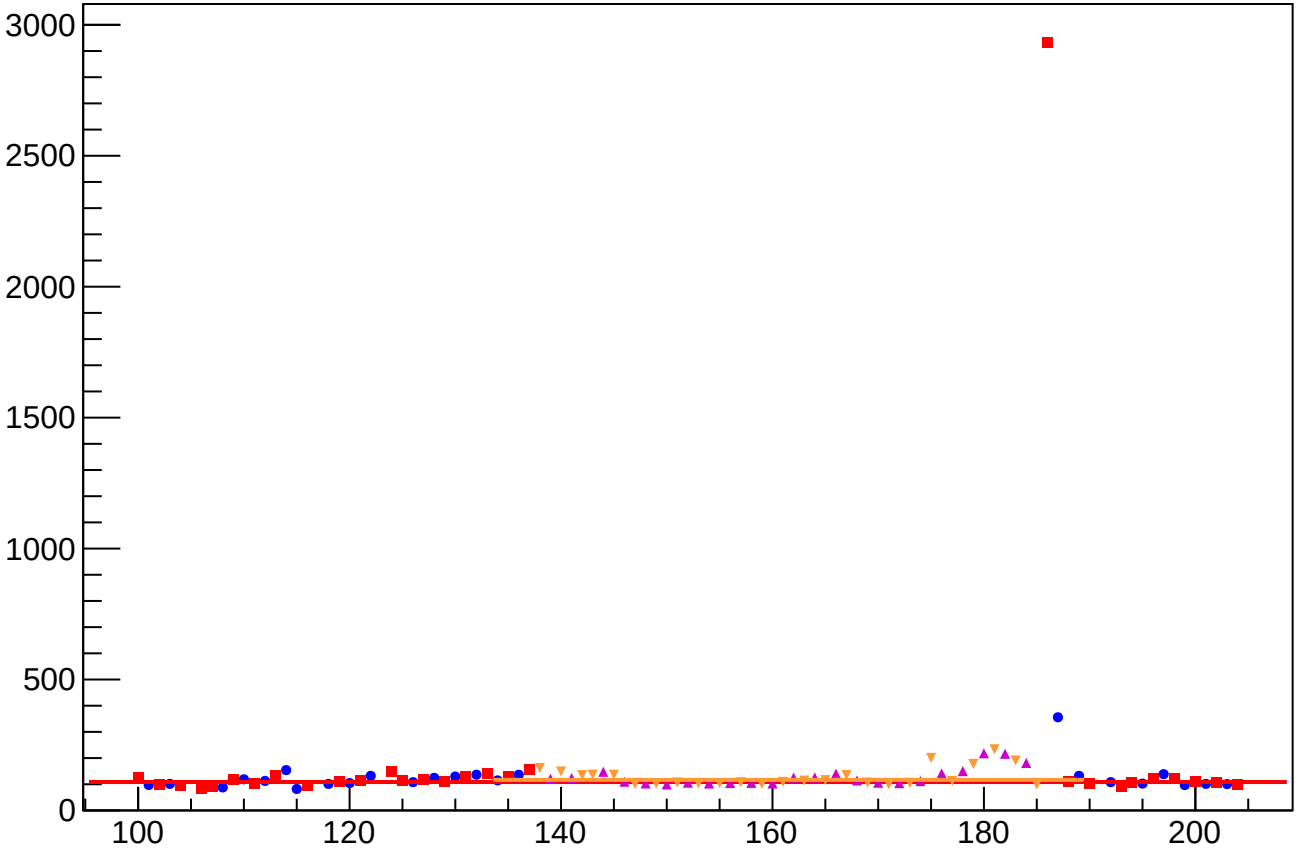
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.012+/-0.021 χ^2/NDF: 43.9/48

All: 0.003+/-0.014 χ^2/NDF: 109.5/100

- sign -0.005+/-0.020 χ^2/NDF: 65.3/51

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 108.744+/-0.022 χ^2/NDF: 495361.6/23

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 108.587+/-0.021 χ^2/NDF: 1196572.0/28

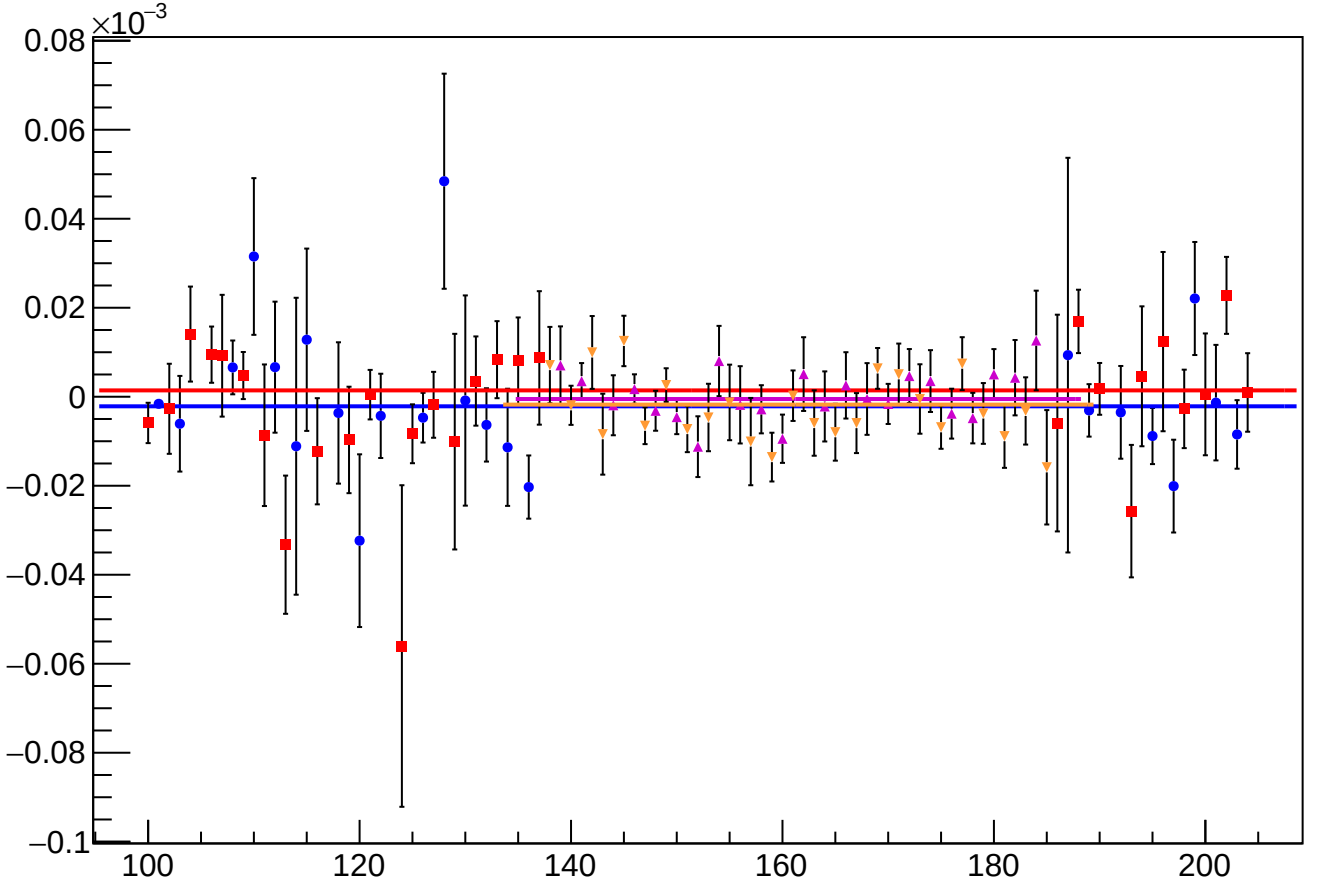
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 113.273+/-0.015 χ^2/NDF: 2168450.2/48

All: 112.793+/-0.010 χ^2/NDF: 4663091.2/100

- sign 112.335+/-0.014 χ^2/NDF: 2492540.8/51

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 30.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.4/28

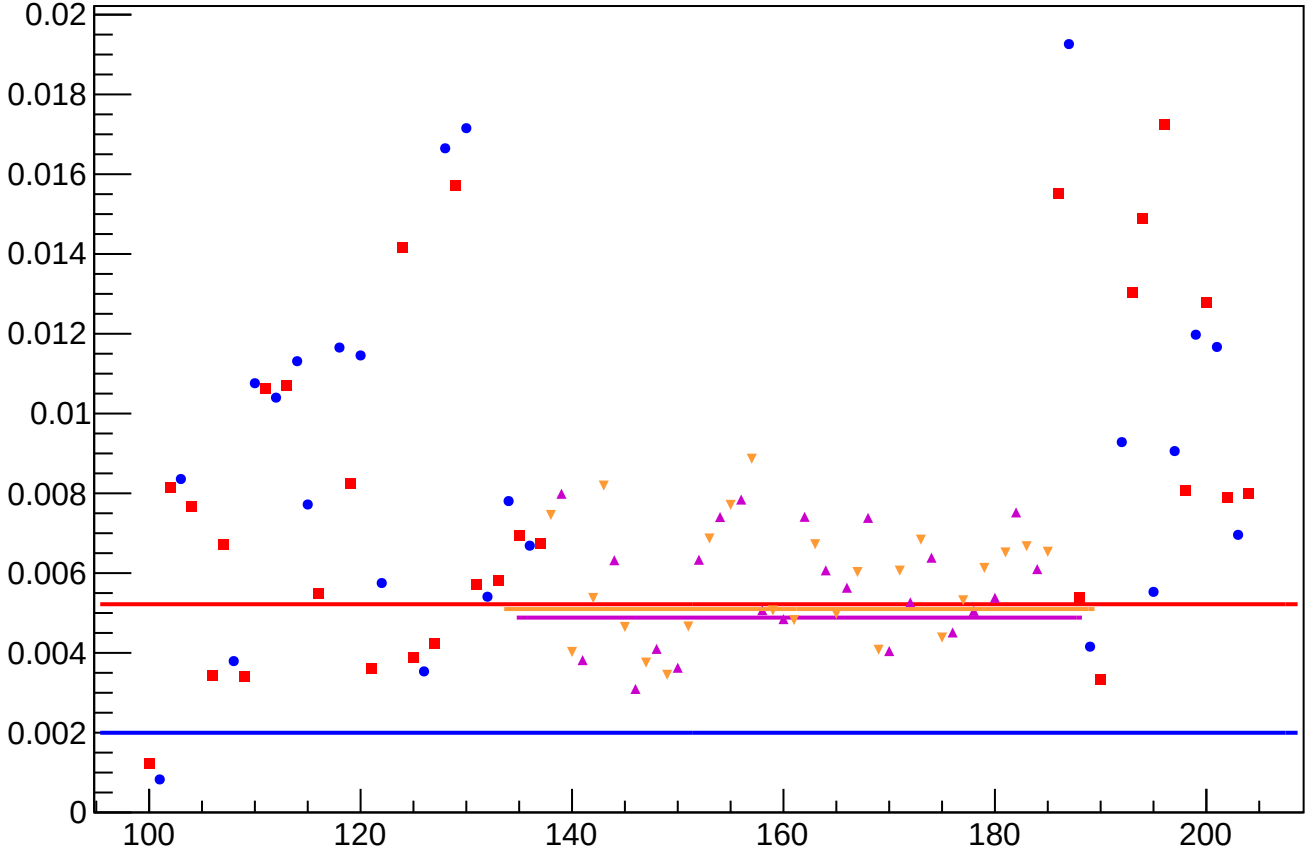
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.1/48

All: -0.000+/-0.000 χ^2/NDF: 116.2/100

- sign 0.000+/-0.000 χ^2/NDF: 51.9/51

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 15954566.4/23

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7535386.7/28

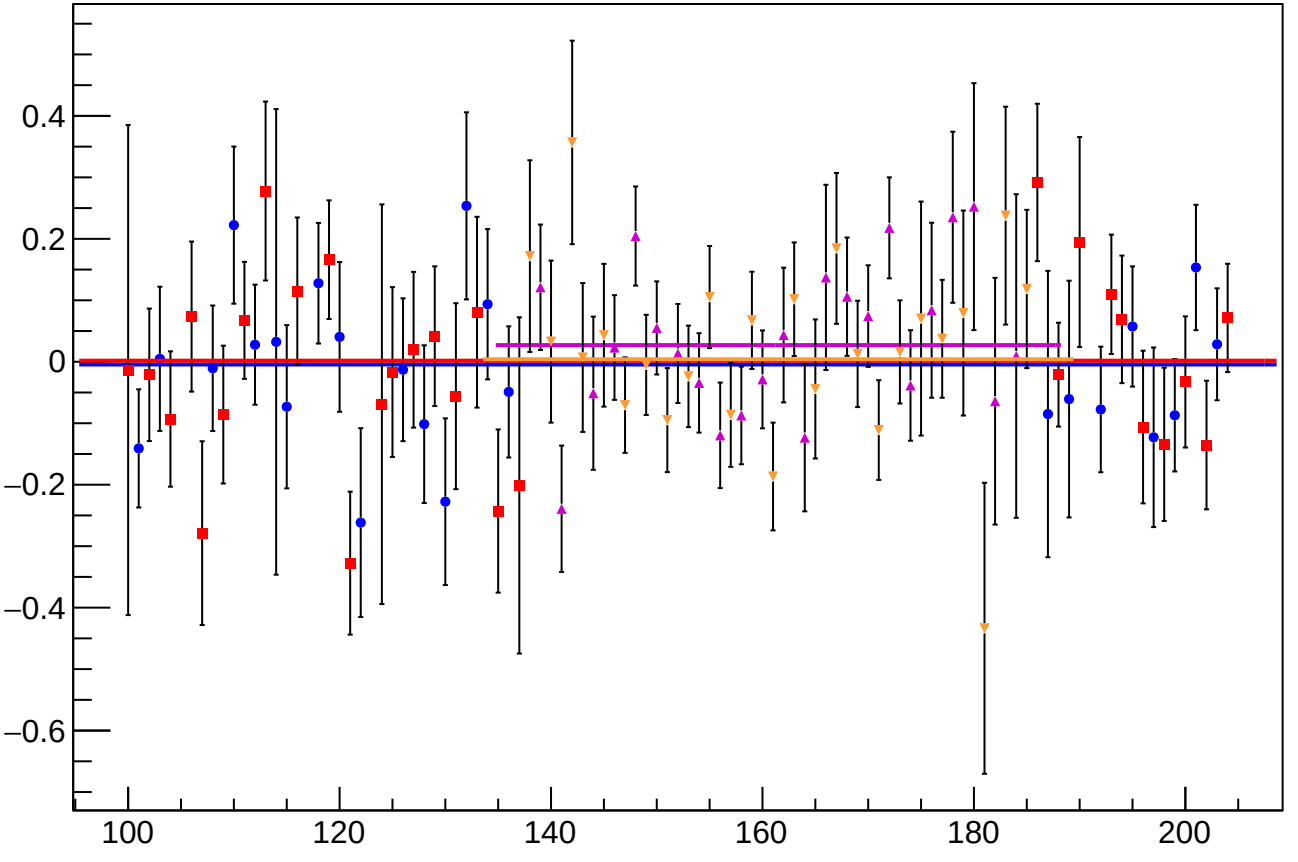
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 26583059.6/48

All: 0.004+/-0.000 χ^2/NDF: 41576058.3/100

- sign 0.005+/-0.000 χ^2/NDF: 10315883.6/51

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.024 χ^2/NDF: 22.4/23

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.022 χ^2/NDF: 38.2/28

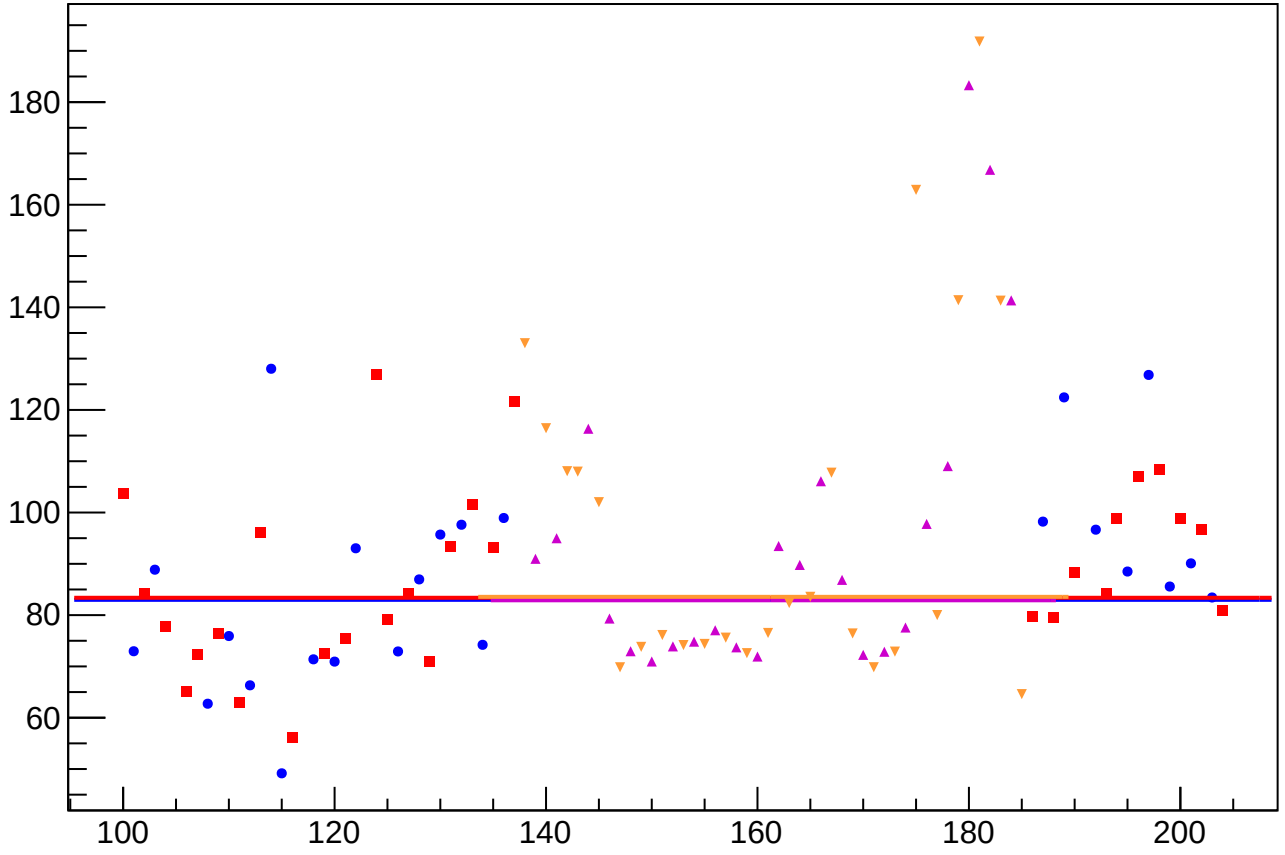
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.001+/-0.015 χ^2/NDF: 50.7/48

All: 0.008+/-0.011 χ^2/NDF: 122.0/100

- sign 0.015+/-0.015 χ^2/NDF: 70.9/51

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 82.980+/-0.017 χ^2/NDF: 818135.5/23

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

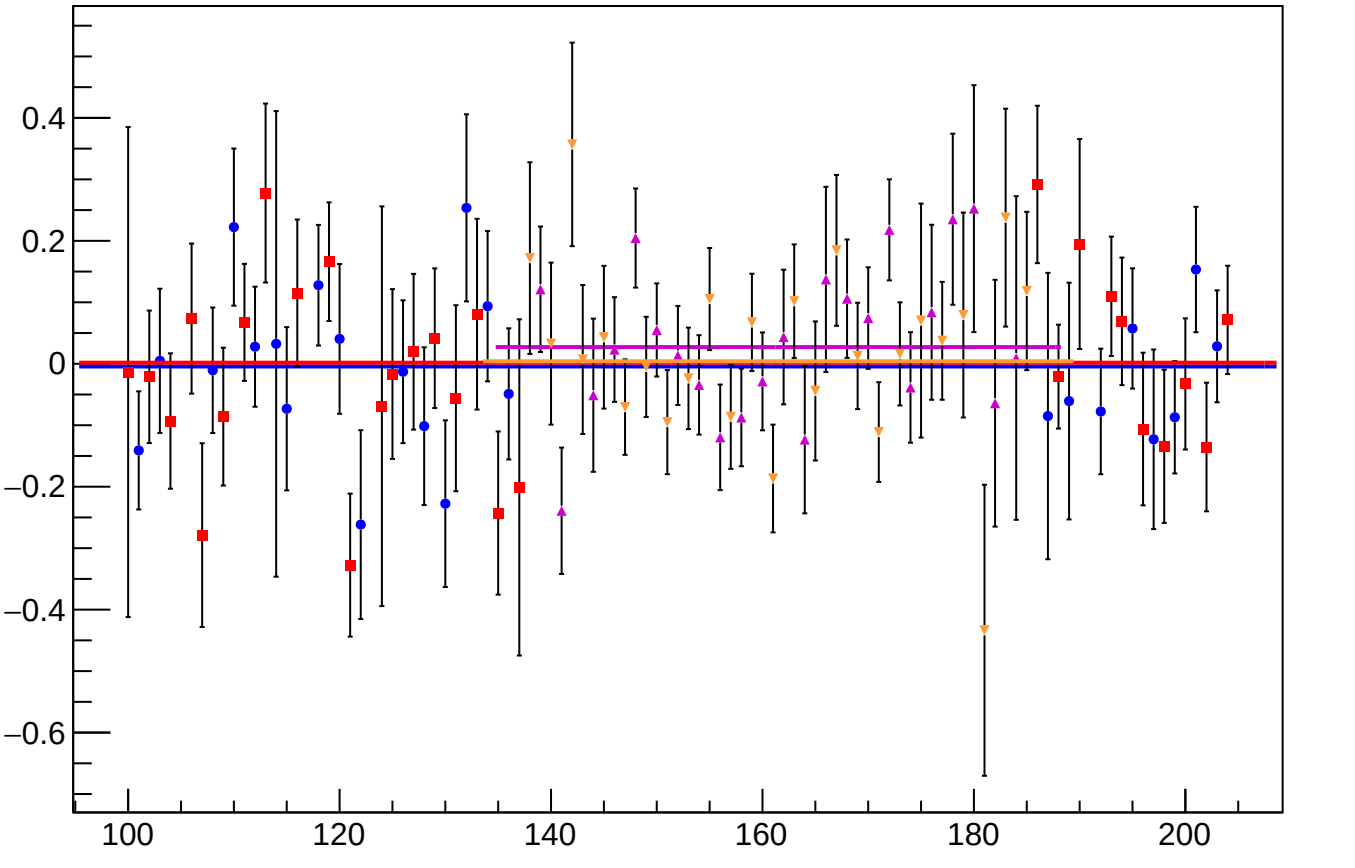
Right Out: 83.382+/-0.016 χ^2/NDF: 746031.4/28

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 83.321+/-0.011 χ^2/NDF: 2991750.2/48

All: 83.216+/-0.008 χ^2/NDF: 5311464.7/100

- sign 83.116+/-0.011 χ^2/NDF: 2319535.8/51



Right In: -0.004+/-0.024 χ^2/NDF: 22.4/23

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.022 χ^2/NDF: 38.2/28

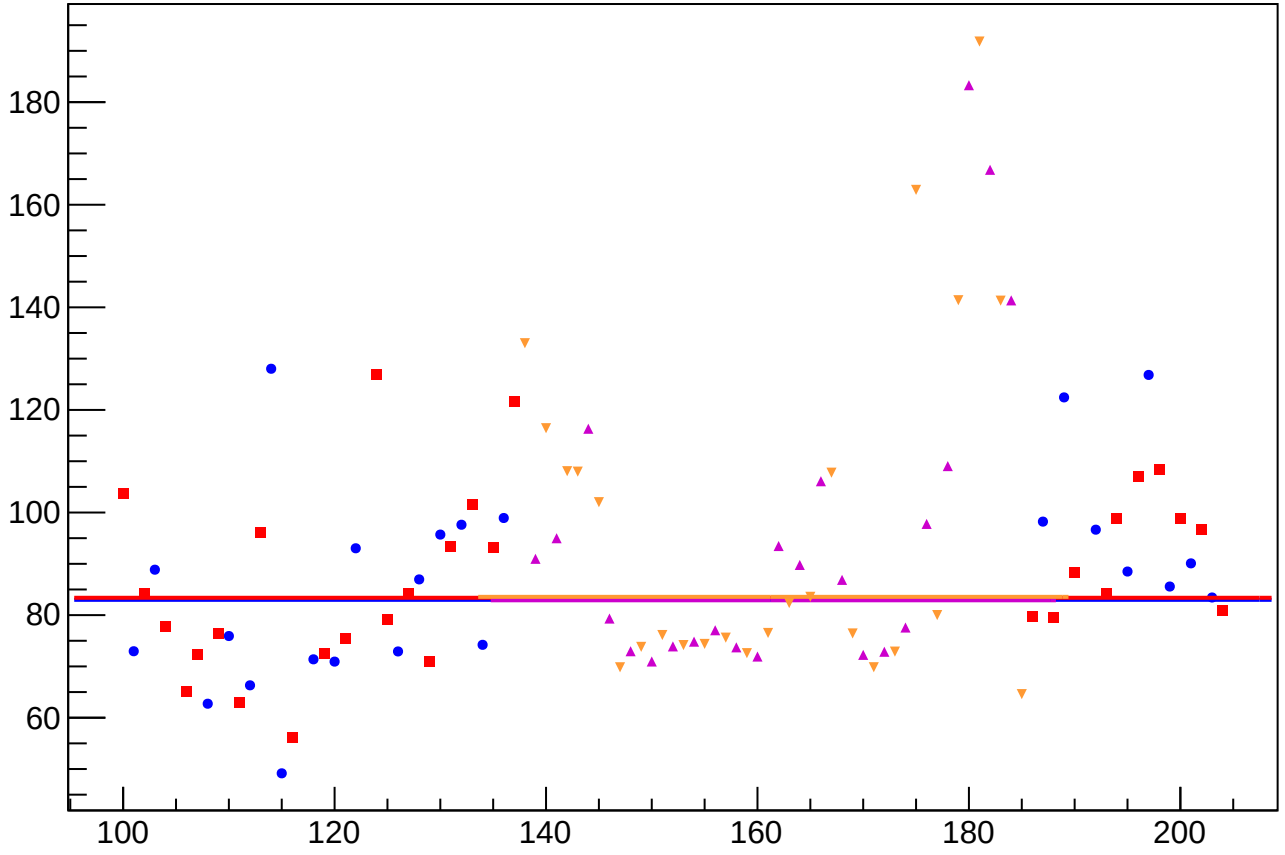
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.001+/-0.015 χ^2/NDF: 50.7/48

All: 0.008+/-0.011 χ^2/NDF: 122.0/100

- sign 0.015+/-0.015 χ^2/NDF: 70.9/51

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 82.980+/-0.017 χ^2/NDF: 818135.5/23

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

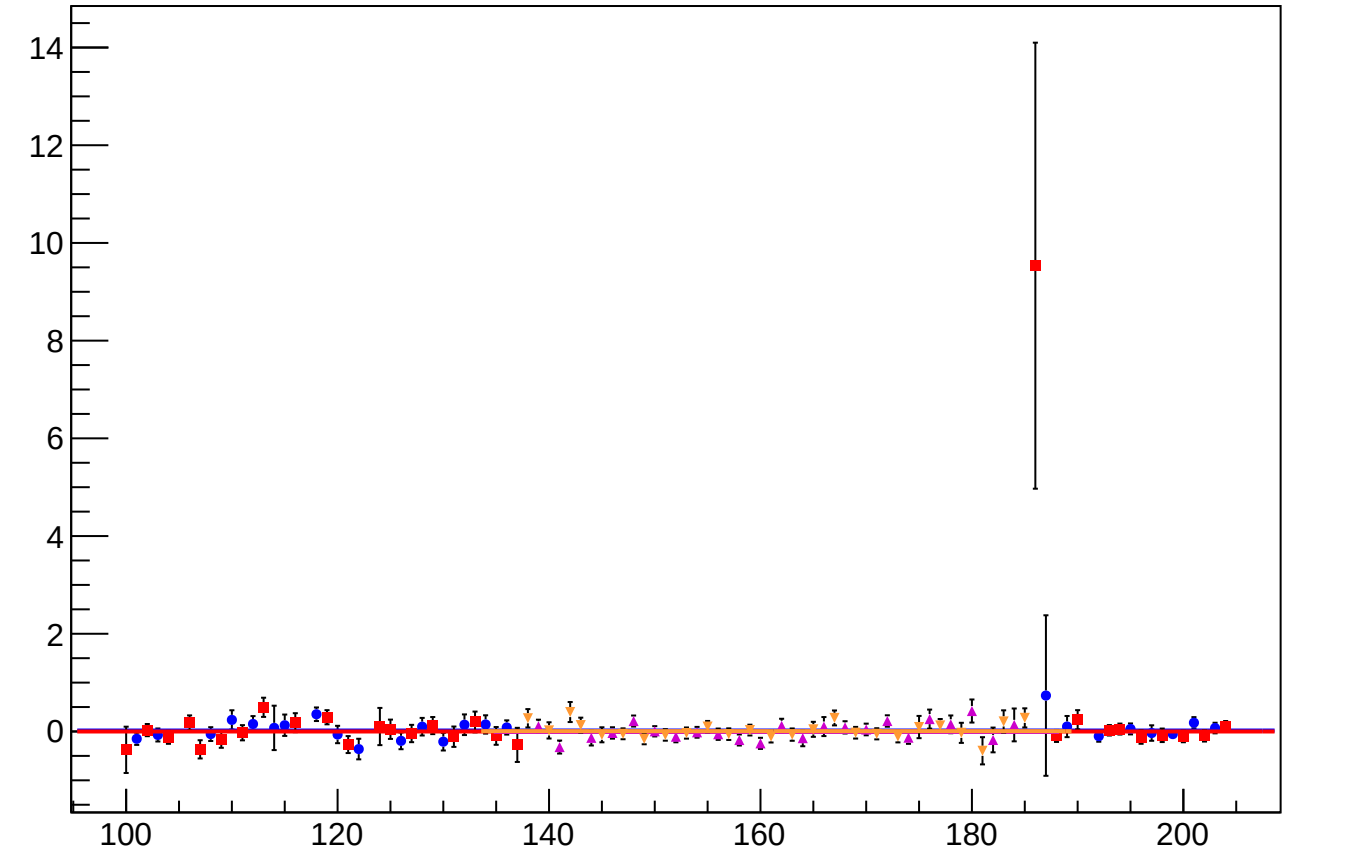
Right Out: 83.382+/-0.016 χ^2/NDF: 746031.4/28

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 83.321+/-0.011 χ^2/NDF: 2991750.2/48

All: 83.216+/-0.008 χ^2/NDF: 5311464.7/100

- sign 83.116+/-0.011 χ^2/NDF: 2319535.8/51



Right In: 0.019+/-0.031 χ^2/NDF: 22.4/23

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.001+/-0.029 χ^2/NDF: 33.9/28

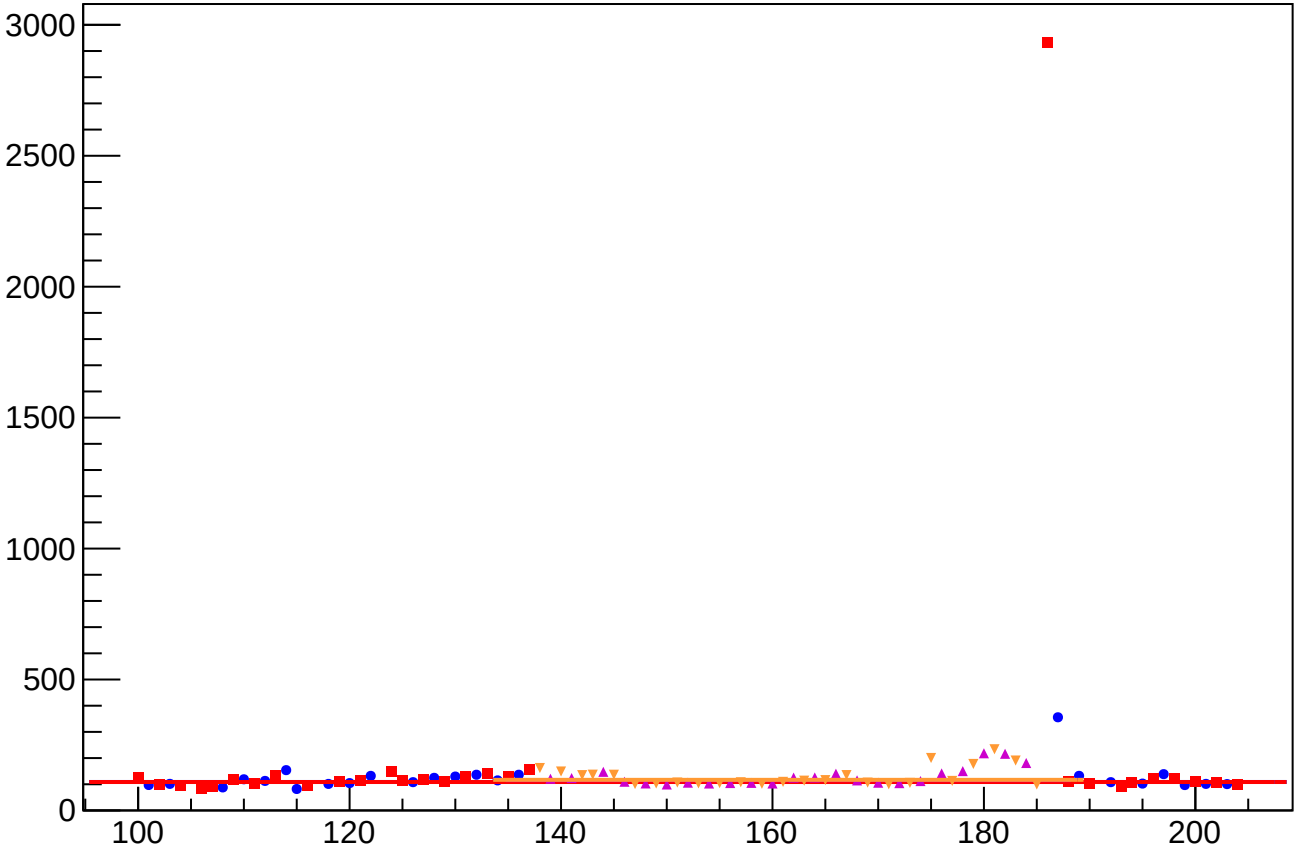
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.012+/-0.021 χ^2/NDF: 43.9/48

All: 0.003+/-0.014 χ^2/NDF: 109.5/100

- sign -0.005+/-0.020 χ^2/NDF: 65.3/51

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 108.743+/-0.022 χ^2/NDF: 495319.8/23

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 108.586+/-0.021 χ^2/NDF: 1196525.8/28

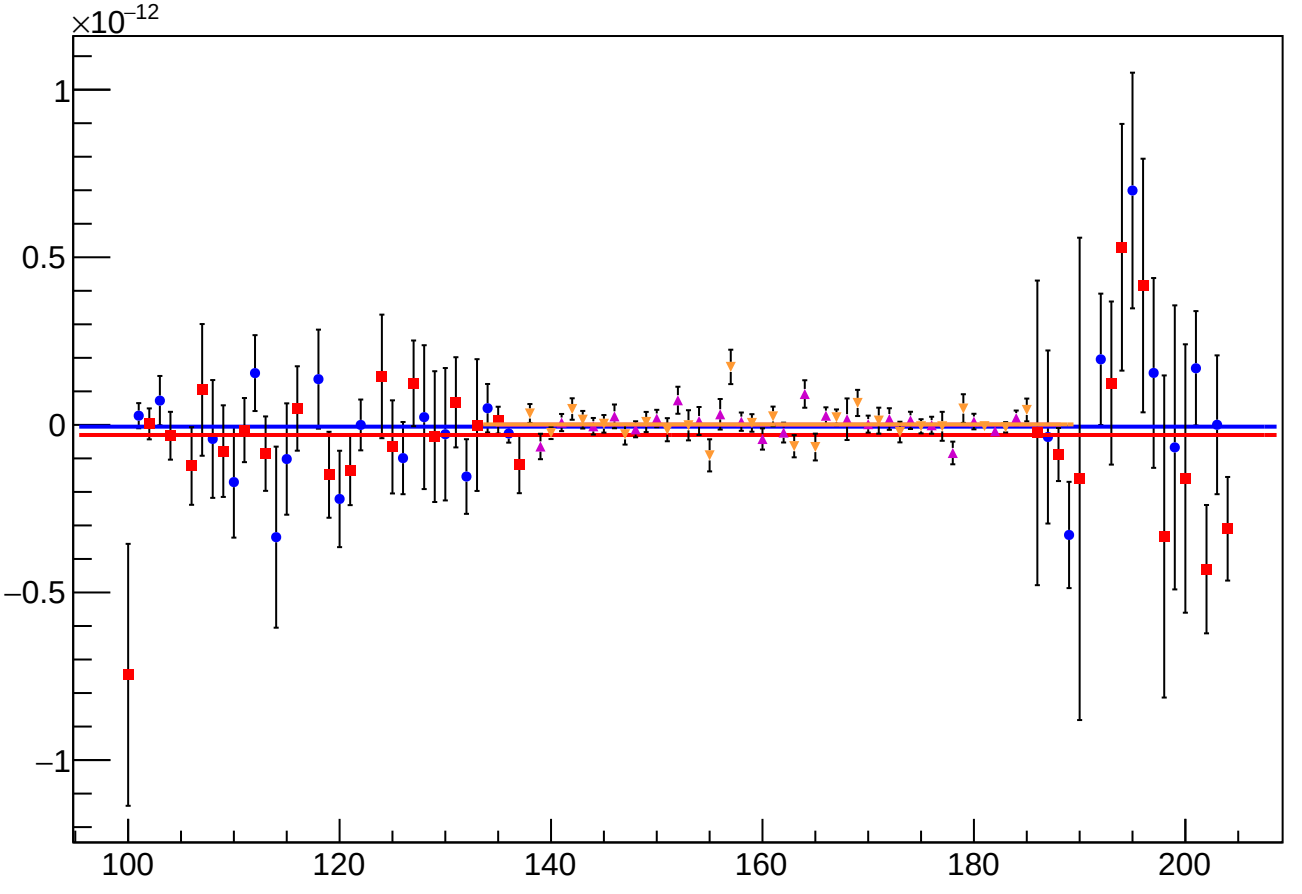
Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 113.273+/-0.015 χ^2/NDF: 2168419.4/48

All: 112.793+/-0.010 χ^2/NDF: 4663018.6/100

- sign 112.335+/-0.014 χ^2/NDF: 2492498.7/51

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

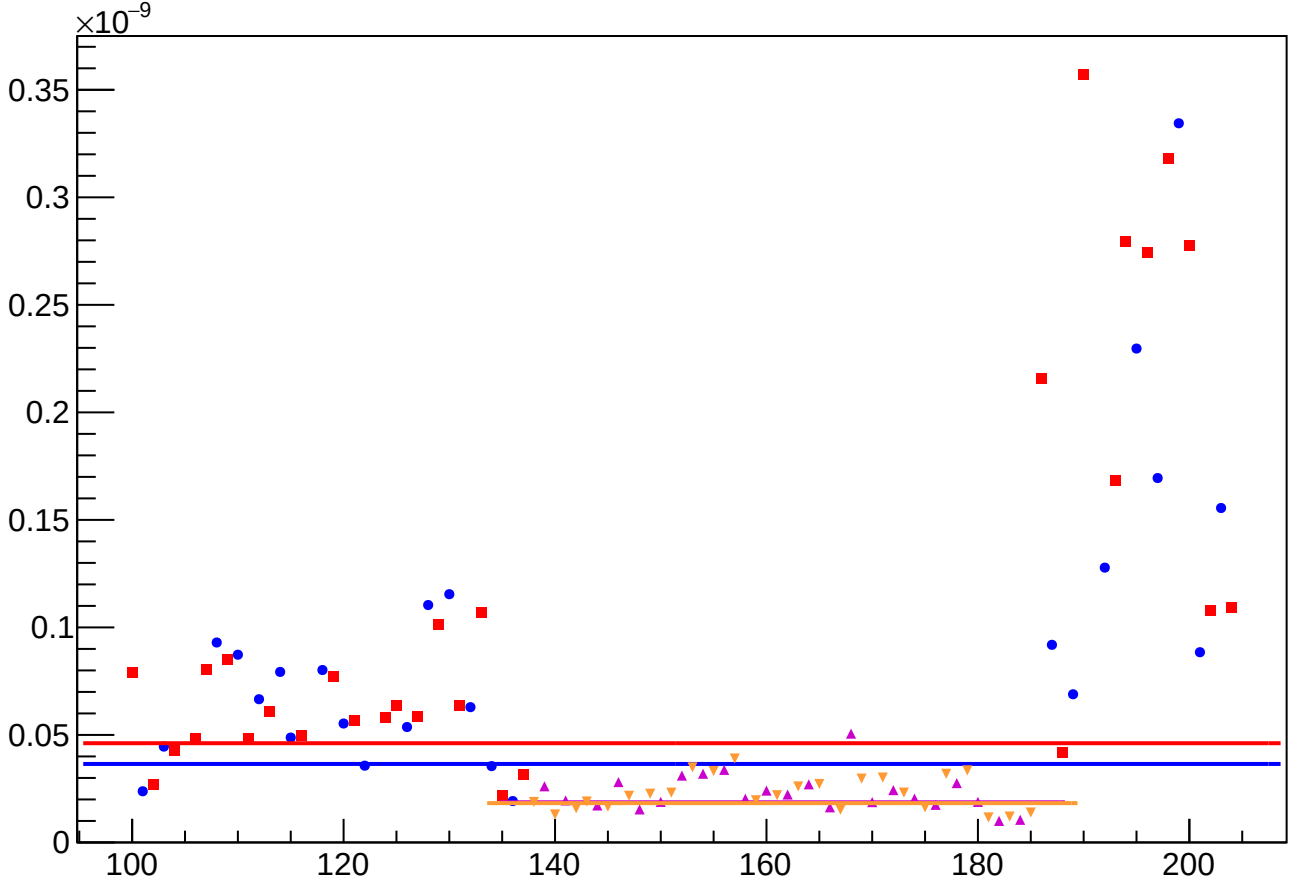
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/28

Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.0/48

All: -0.000+/-0.000 χ^2/NDF: 115.7/100

- sign -0.000+/-0.000 χ^2/NDF: 54.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 6073938.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6566649.4/28

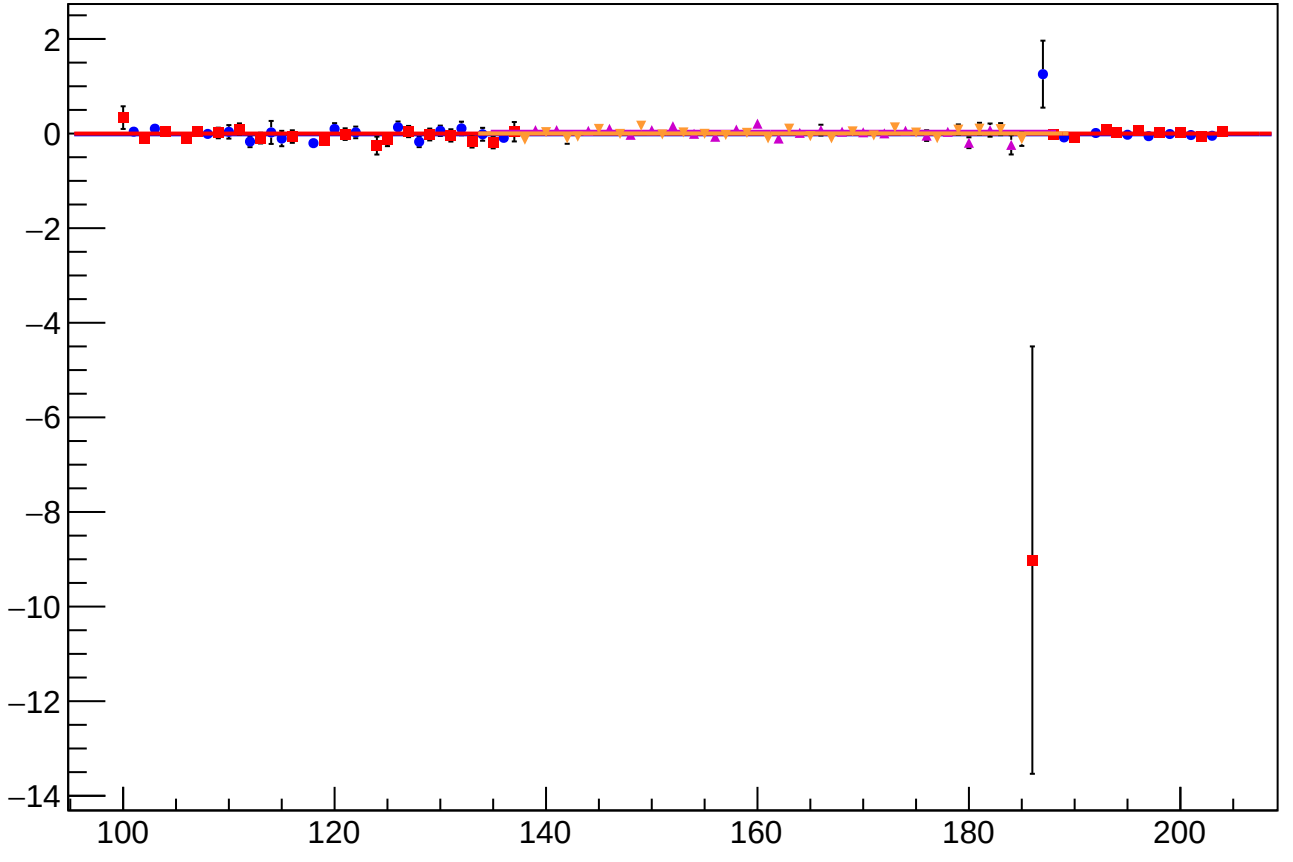
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11087925.1/48

All: 0.000+/-0.000 χ^2/NDF: 24106965.5/100

- sign 0.000+/-0.000 χ^2/NDF: 12994234.6/51

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.015 χ^2/NDF: 23.2/23

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.013 χ^2/NDF: 35.9/28

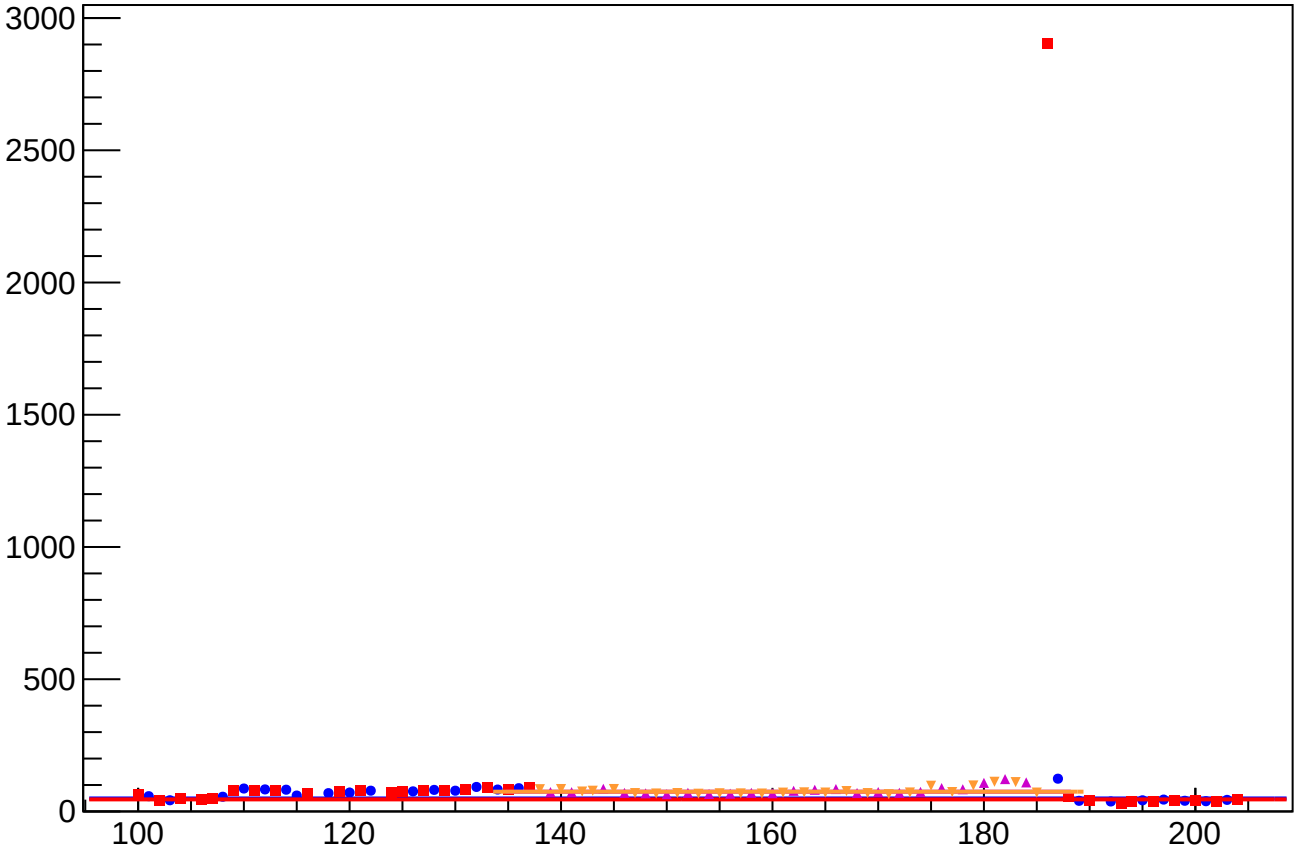
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

\+ sign -0.008+/-0.011 χ^2/NDF: 45.4/48

All: 0.003+/-0.008 χ^2/NDF: 107.9/100

\- sign 0.013+/-0.010 χ^2/NDF: 60.5/51

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 49.132+/-0.010 χ^2/NDF: 2238074.3/23

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

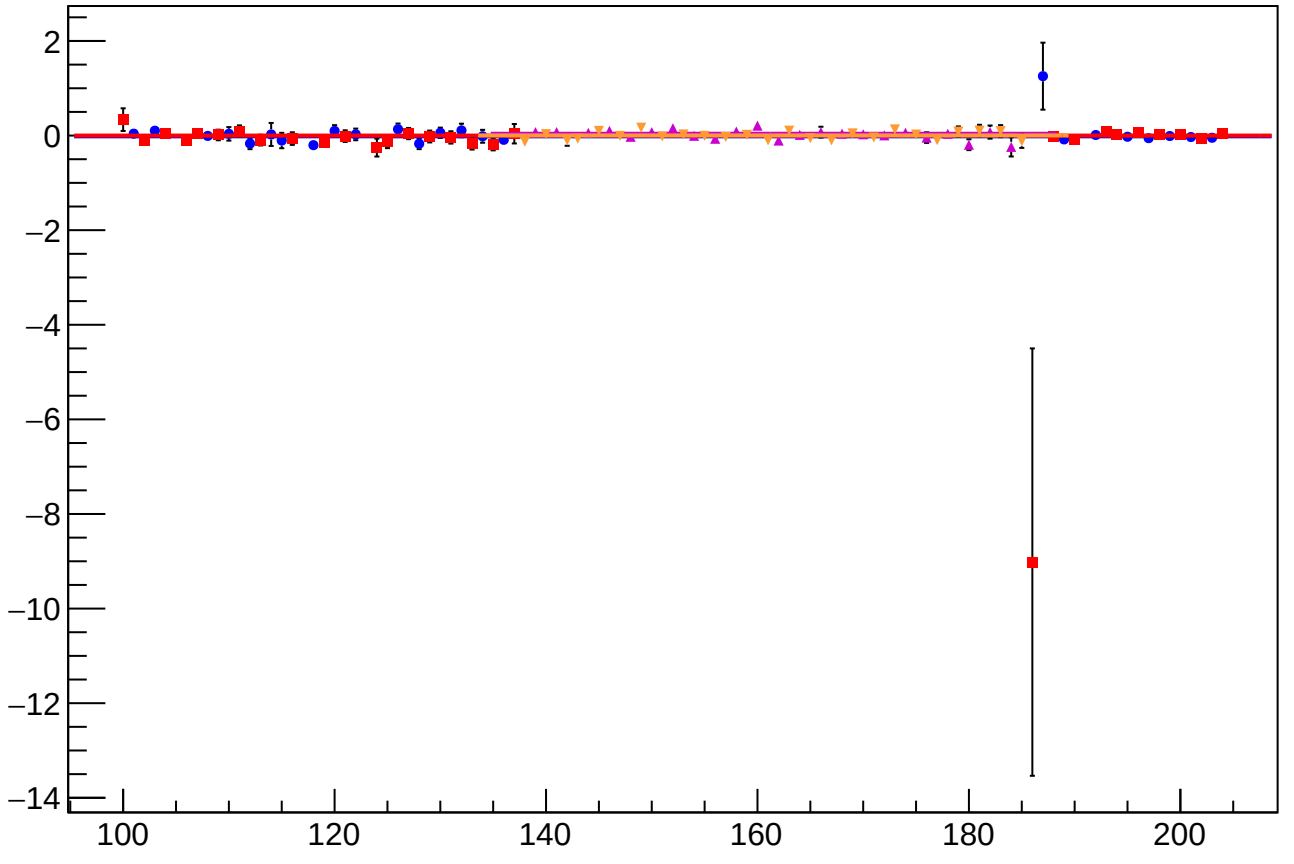
Right Out: 45.628+/-0.009 χ^2/NDF: 3610984.8/28

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 59.706+/-0.008 χ^2/NDF: 5520476.1/48

All: 57.519+/-0.005 χ^2/NDF: 13434242.5/100

- sign 55.600+/-0.007 χ^2/NDF: 7770459.0/51



Right In: -0.016+/-0.015 χ^2/NDF: 23.2/23

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

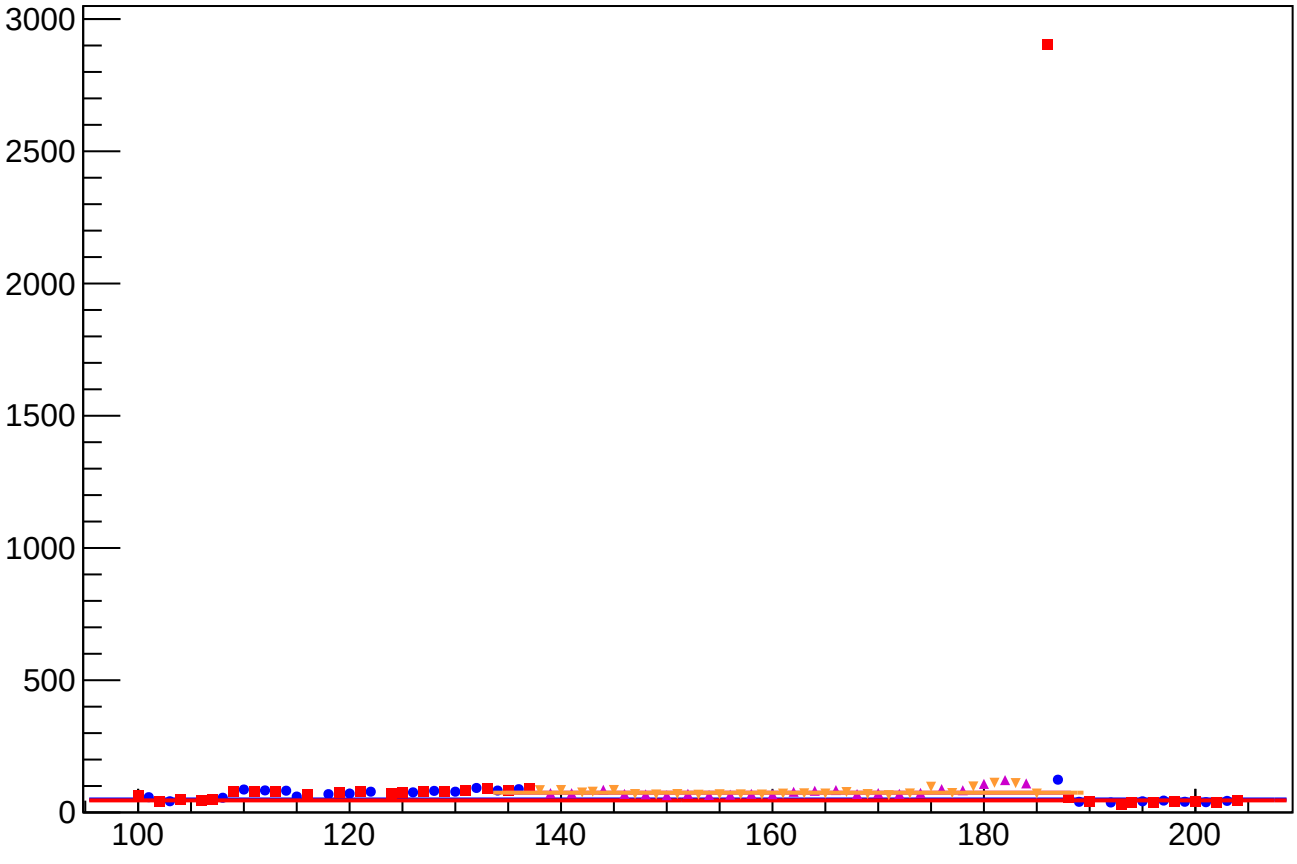
Right Out: 0.000+/-0.013 χ^2/NDF: 35.9/28

Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.008+/-0.011 χ^2/NDF: 45.4/48

All: 0.003+/-0.008 χ^2/NDF: 107.9/100

- sign 0.013+/-0.010 χ^2/NDF: 60.5/51



Right In: 49.132+/-0.010 χ^2/NDF: 2238074.3/23

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.628+/-0.009 χ^2/NDF: 3610984.8/28

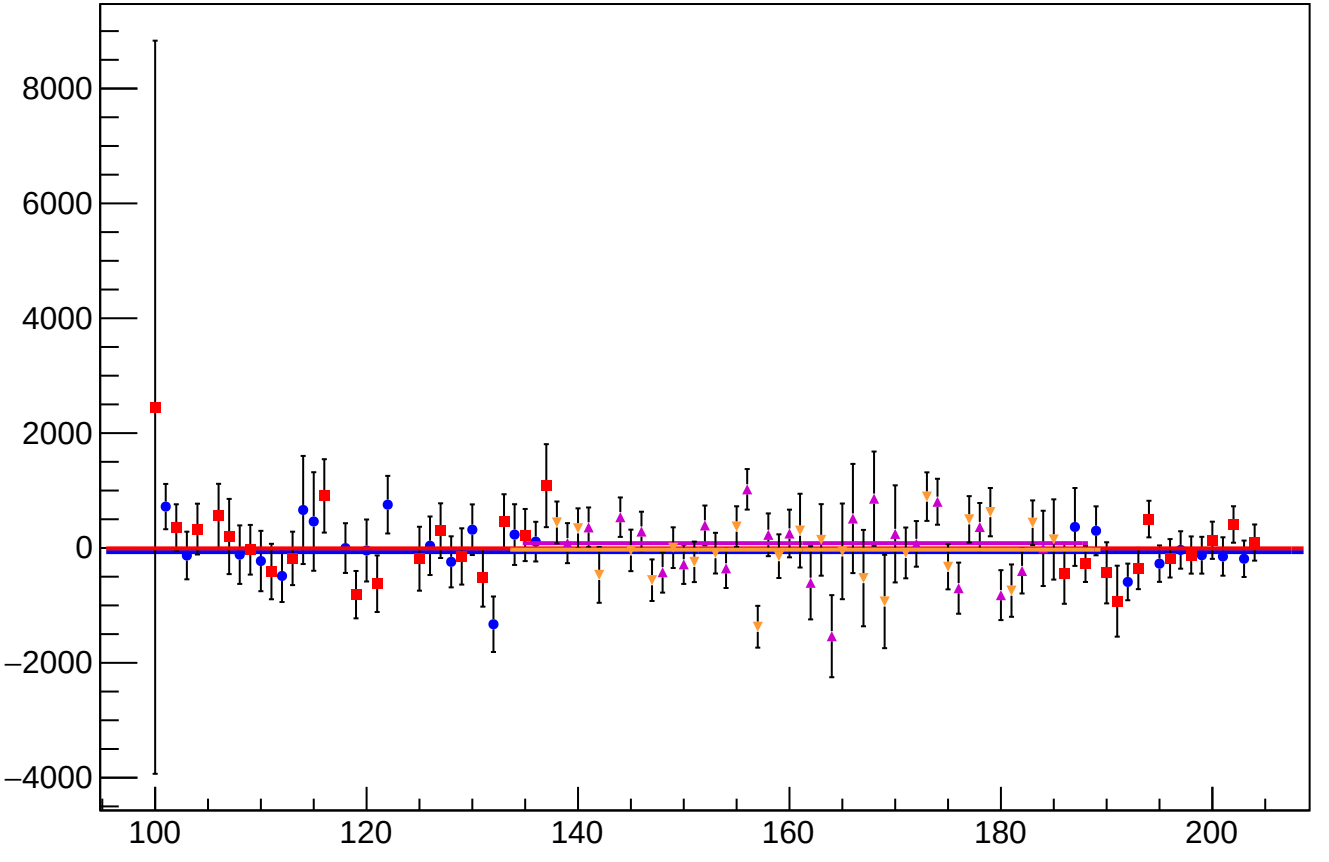
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 59.706+/-0.008 χ^2/NDF: 5520476.1/48

All: 57.519+/-0.005 χ^2/NDF: 13434242.5/100

- sign 55.600+/-0.007 χ^2/NDF: 7770459.0/51

asym_dsl_mean vs Slug



Right In: -71.820+/-85.871 χ^2/NDF: 21.5/23

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -7.039+/-80.102 χ^2/NDF: 26.3/28

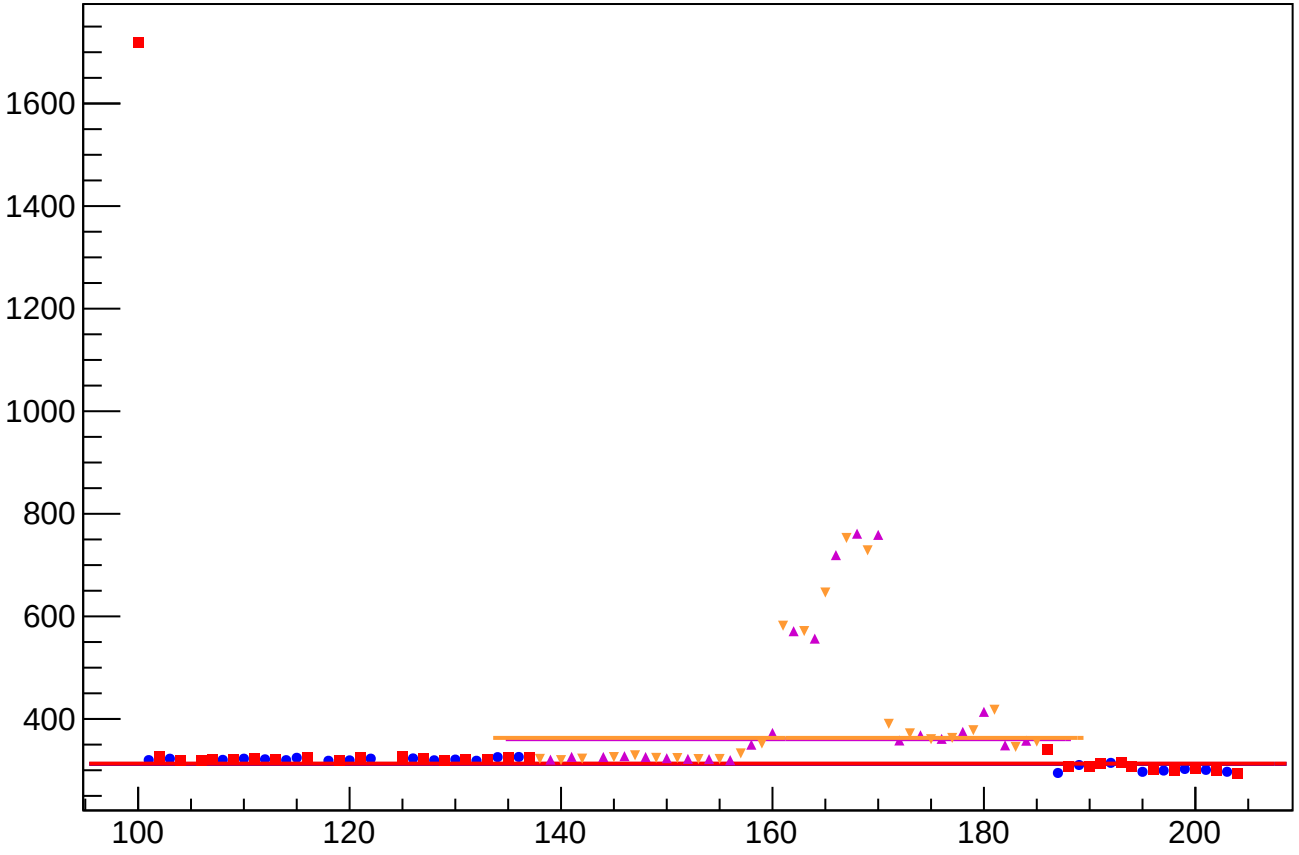
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -50.745+/-60.952 χ^2/NDF: 58.2/47

All: -6.373+/-42.305 χ^2/NDF: 121.9/99

- sign 34.872+/-58.765 χ^2/NDF: 62.7/51

asym_dsl_rms vs Slug



Right In: 312.281+/-0.061 χ^2/NDF: 31196.7/23

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 312.904+/-0.057 χ^2/NDF: 135690.3/28

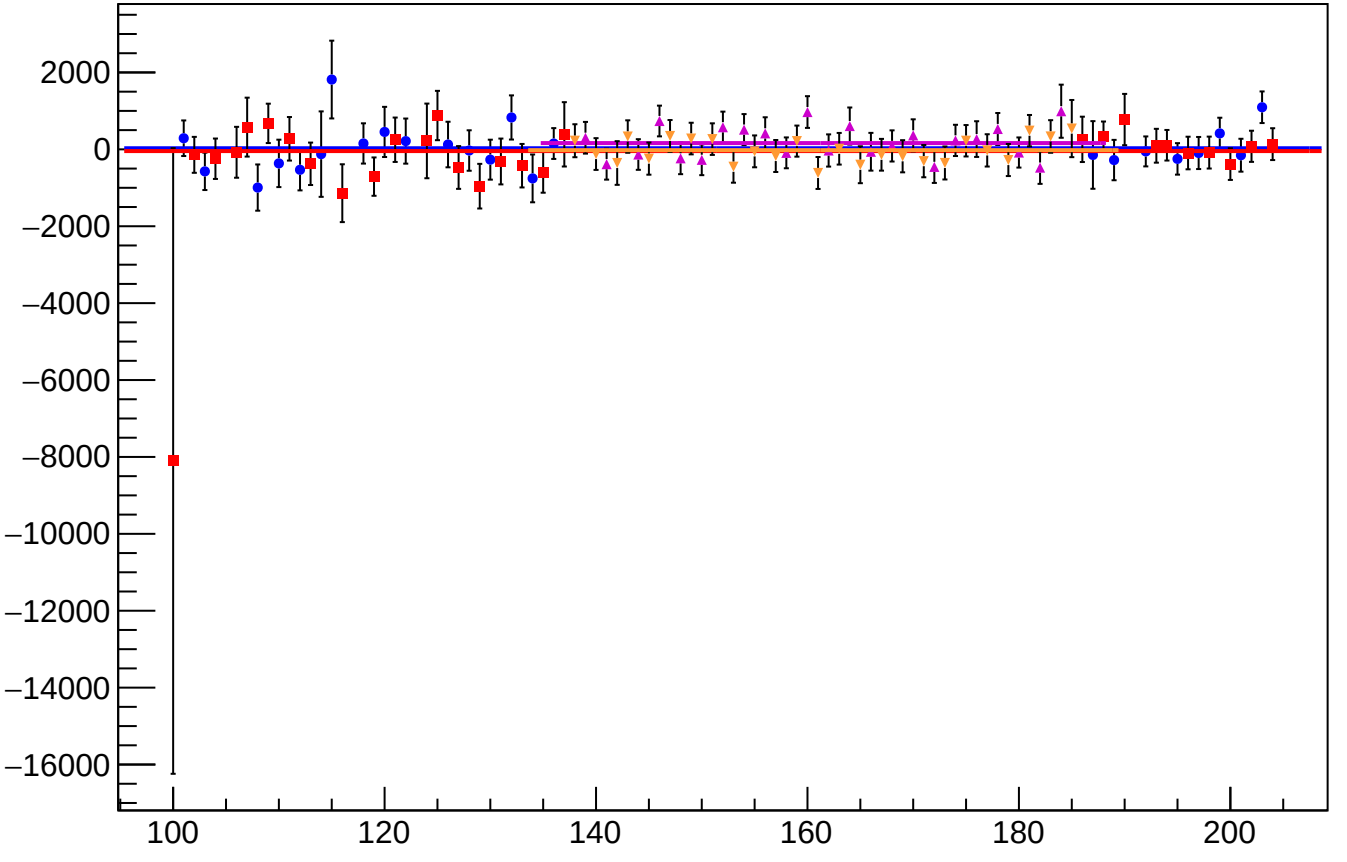
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 337.486+/-0.043 χ^2/NDF: 2174034.8/47

All: 336.158+/-0.030 χ^2/NDF: 4456513.0/99

- sign 334.923+/-0.042 χ^2/NDF: 2280644.5/51

asym_dsr_mean vs Slug



Right In: 28.527+/-104.756 χ^2/NDF: 22.7/23

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -45.114+/-97.984 χ^2/NDF: 19.8/28

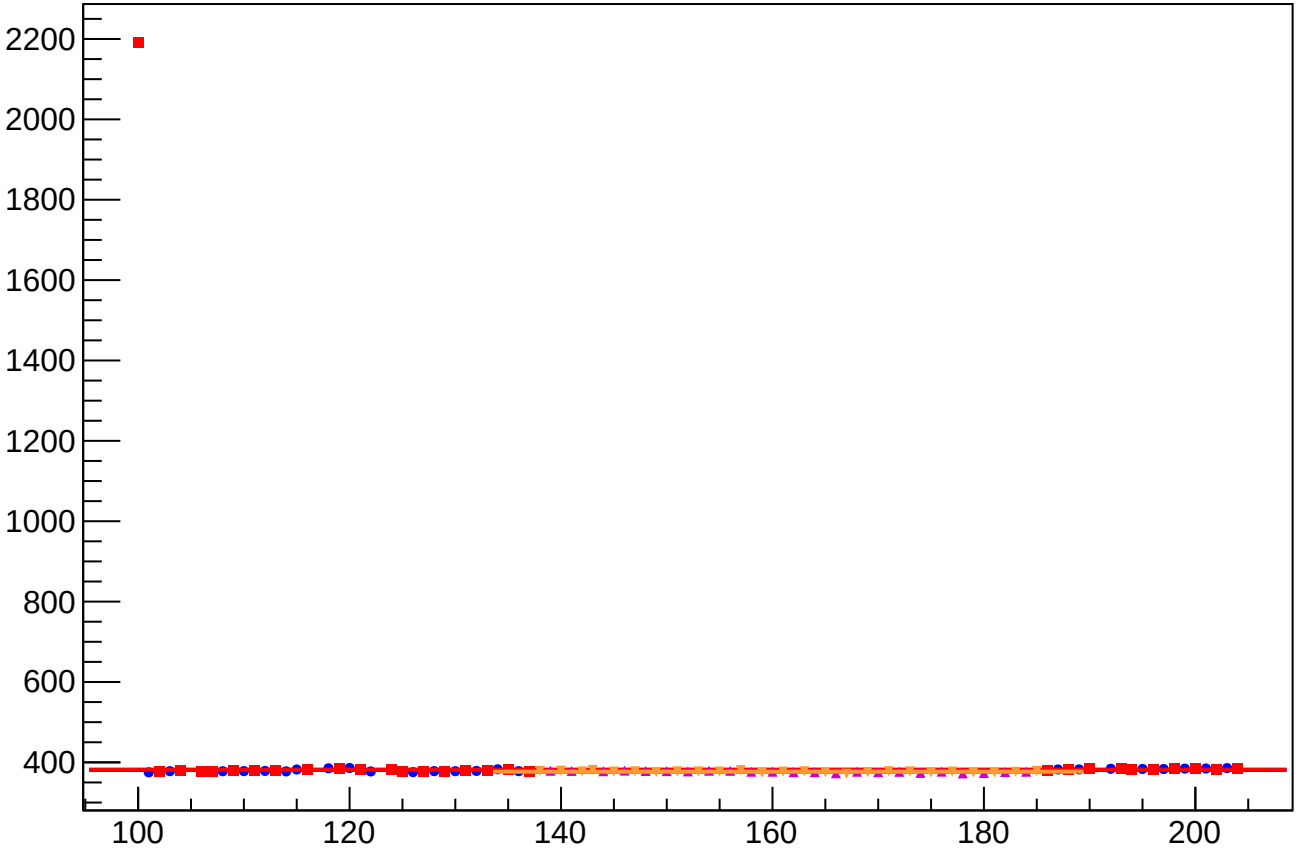
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -1.201+/-66.294 χ^2/NDF: 35.5/48

All: 34.890+/-46.582 χ^2/NDF: 80.1/100

- sign 70.089+/-65.468 χ^2/NDF: 44.1/51

asym_dsr_rms vs Slug



Right In: 381.217+/-0.074 χ^2/NDF: 2129.1/23

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.801+/-0.069 χ^2/NDF: 100619.1/28

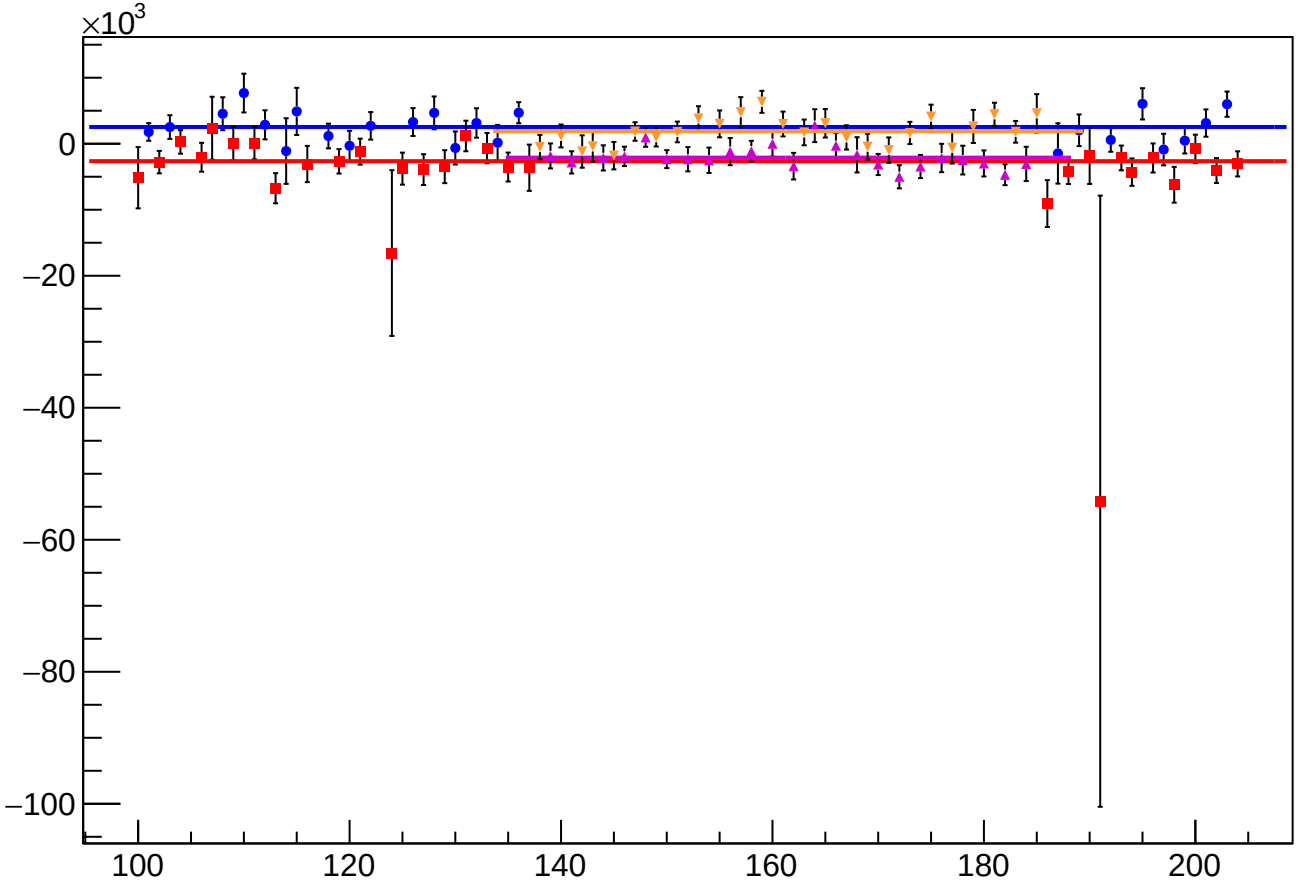
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 378.633+/-0.047 χ^2/NDF: 5218.3/48

All: 378.848+/-0.033 χ^2/NDF: 109784.5/100

- sign 379.058+/-0.046 χ^2/NDF: 104524.5/51

asym_us_agg_avg_mean vs Slug



Right In: 2538.523+/-442.189 χ^2/NDF: 23.0/23

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2638.819+/-431.144 χ^2/NDF: 24.9/29

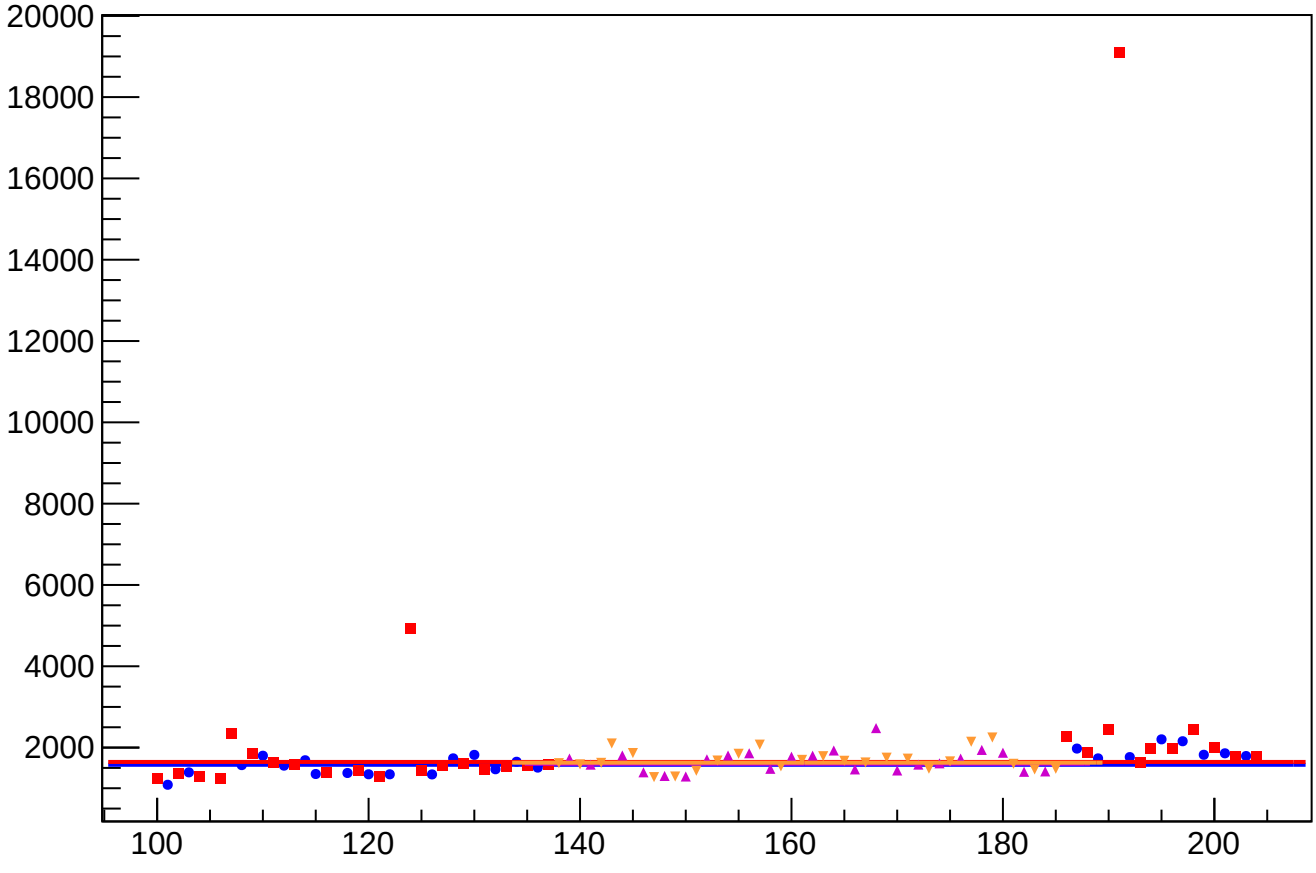
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2162.240+/-286.130 χ^2/NDF: 52.7/48

All: -99.332+/-201.808 χ^2/NDF: 221.3/101

- sign -2337.962+/-284.675 χ^2/NDF: 44.4/52

asym_us_agg_avg_rms vs Slug



Right In: 1576.888+/-0.313 χ^2/NDF: 841053.9/23

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1646.973+/-0.305 χ^2/NDF: 1356180.5/29

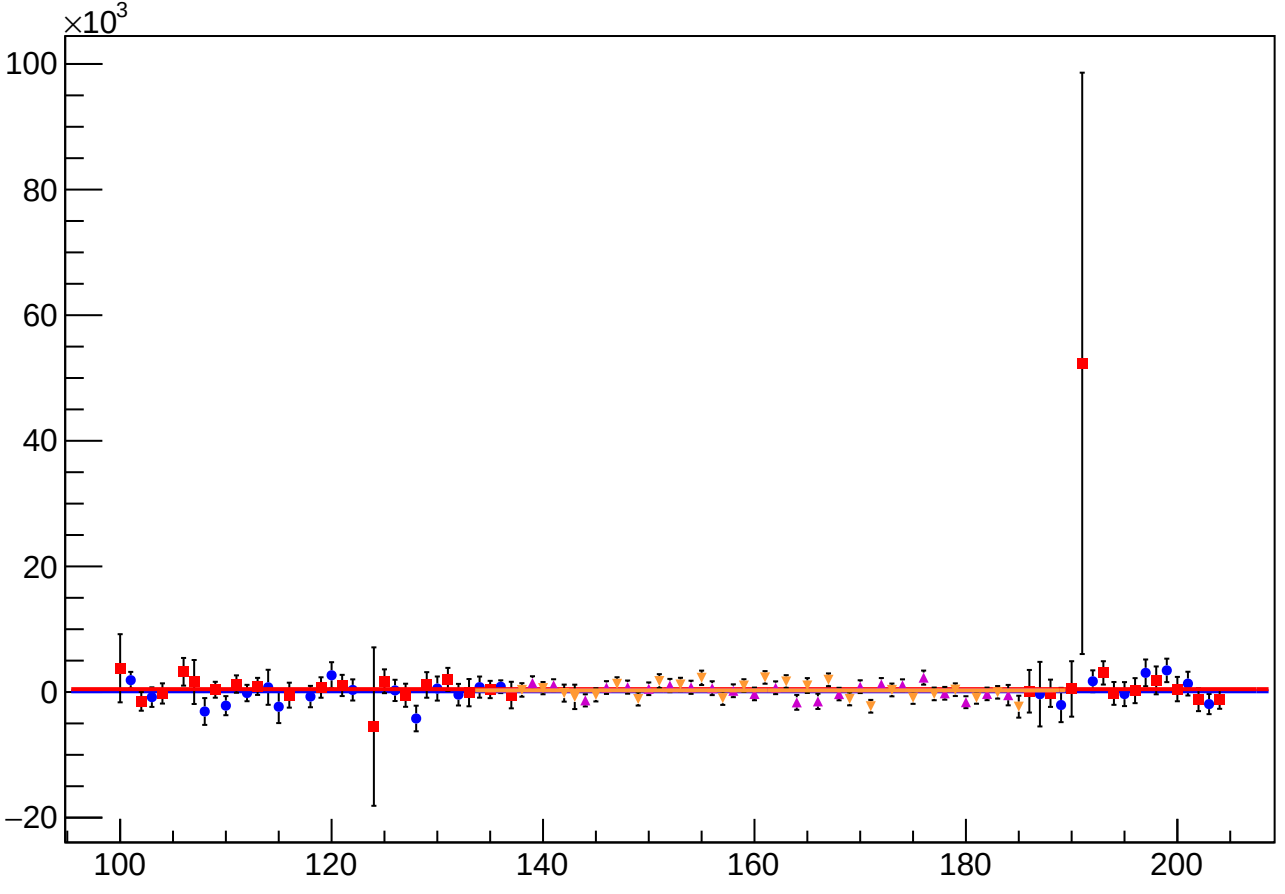
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1606.877+/-0.202 χ^2/NDF: 1635973.8/48

All: 1614.137+/-0.143 χ^2/NDF: 3800989.4/10

- sign 1621.323+/-0.201 χ^2/NDF: 2162453.8/52

asym_us_agg_dd_mean vs Slug



Right In: 116.987+/-355.735 χ^2/NDF: 23.4/23

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 459.310+/-346.953 χ^2/NDF: 12.6/29

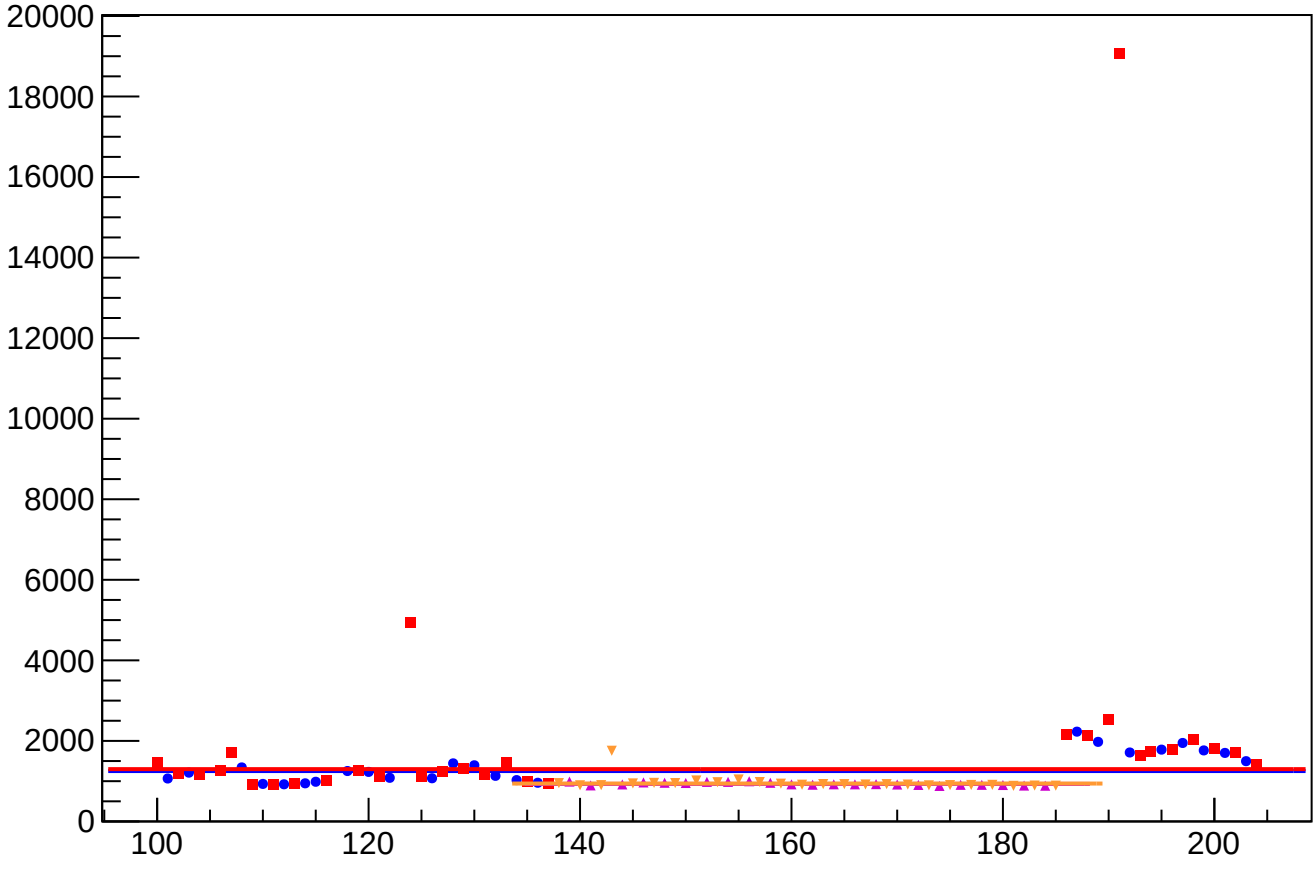
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 223.492+/-183.981 χ^2/NDF: 57.5/48

All: 272.317+/-130.240 χ^2/NDF: 91.8/101

- sign 321.363+/-184.396 χ^2/NDF: 34.2/52

asym_us_agg_dd_rms vs Slug



Right In: 1251.399+/-0.252 χ^2/NDF: 1617123.7/23

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1299.196+/-0.245 χ^2/NDF: 2619215.5/29

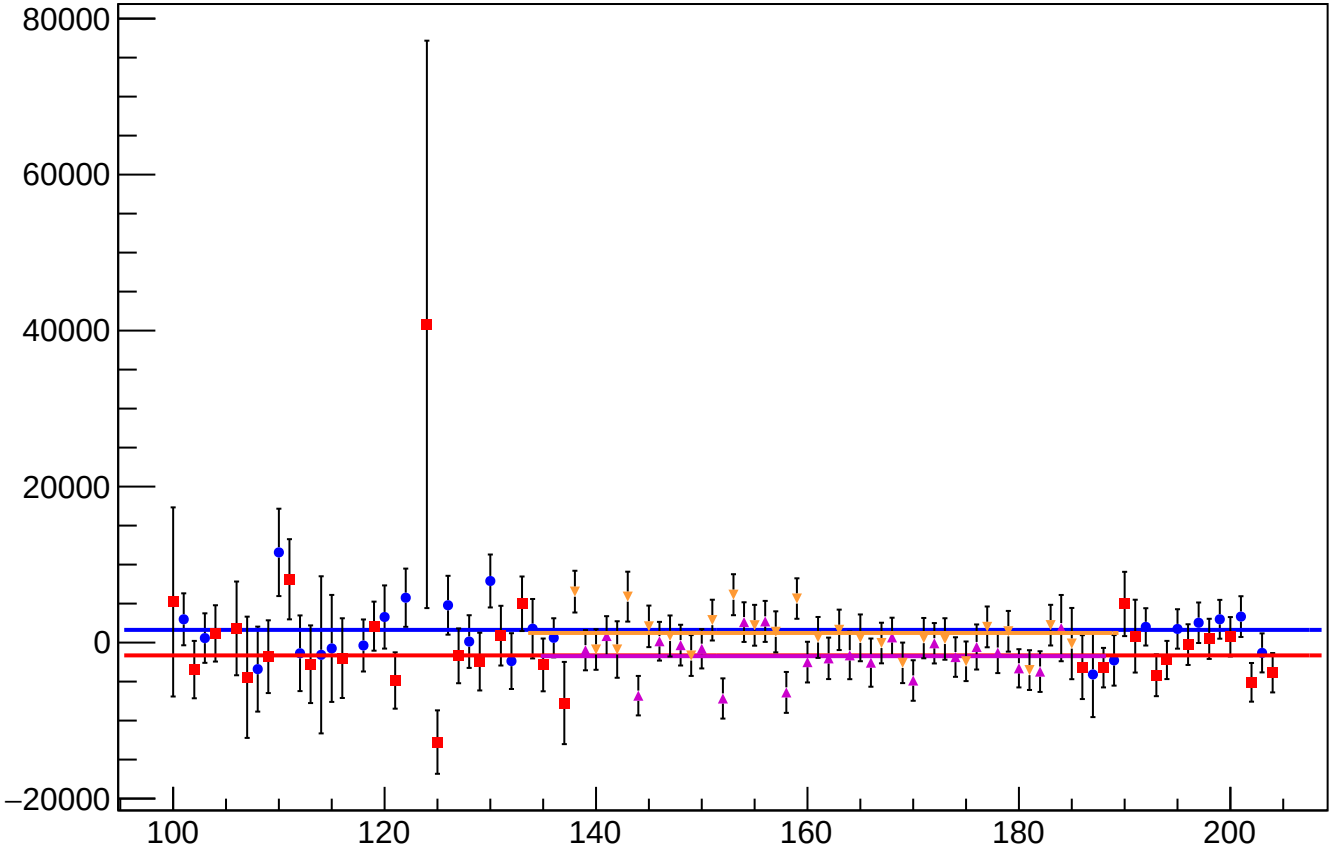
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1024.035+/-0.130 χ^2/NDF: 3150153.2/48

All: 1029.707+/-0.092 χ^2/NDF: 7433351.1/10

- sign 1035.405+/-0.130 χ^2/NDF: 4279387.4/52

reg_asym_atl1_mean vs Slug



Right In: 1627.656+/-677.555 χ^2/NDF: 17.2/23

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1642.380+/-641.412 χ^2/NDF: 30.8/29

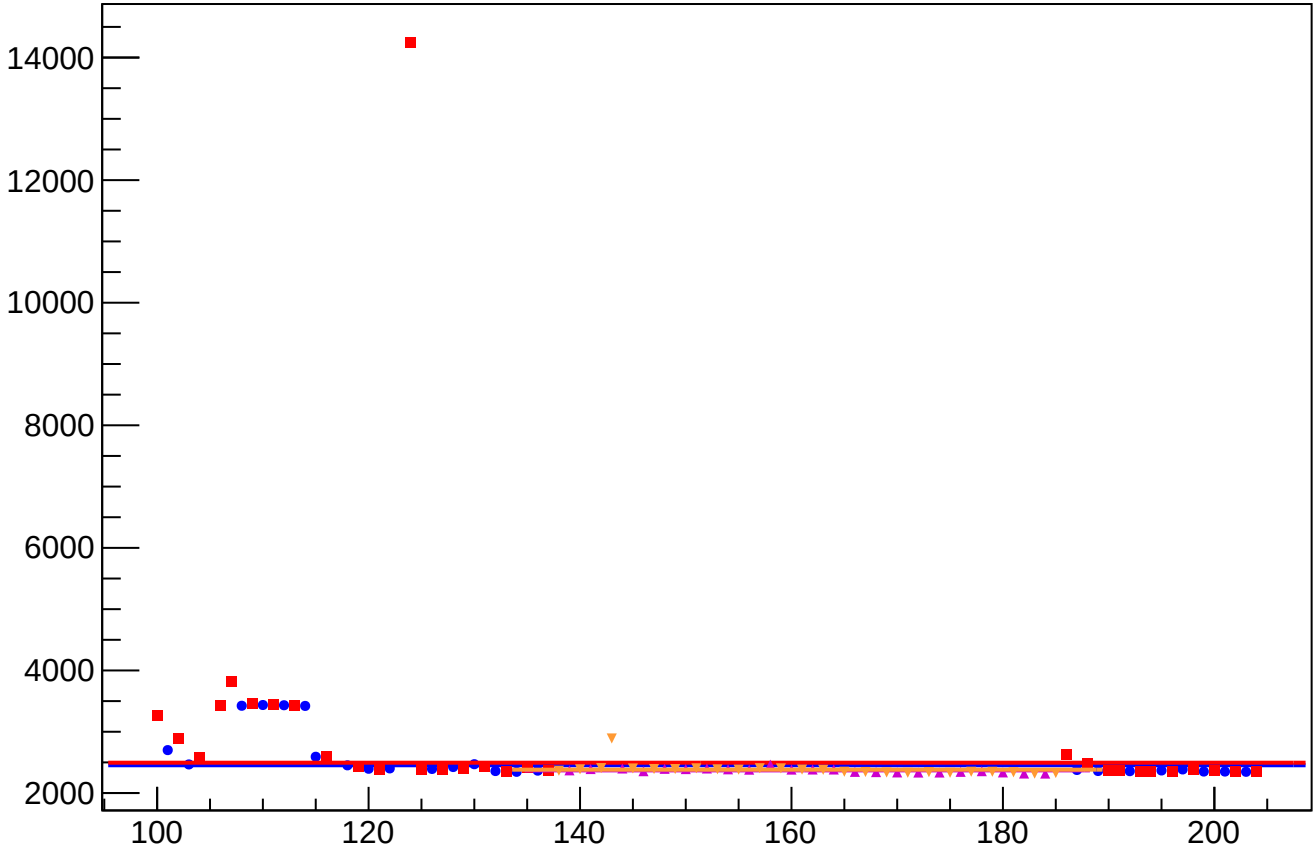
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1387.805+/-422.906 χ^2/NDF: 41.2/48

All: -170.317+/-297.627 χ^2/NDF: 123.3/101

- sign -1699.347+/-418.939 χ^2/NDF: 55.2/52

reg_asym_atl1_rms vs Slug



Right In: 2453.274+/-0.479 χ^2/NDF: 263017.9/23

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2494.949+/-0.454 χ^2/NDF: 630517.2/29

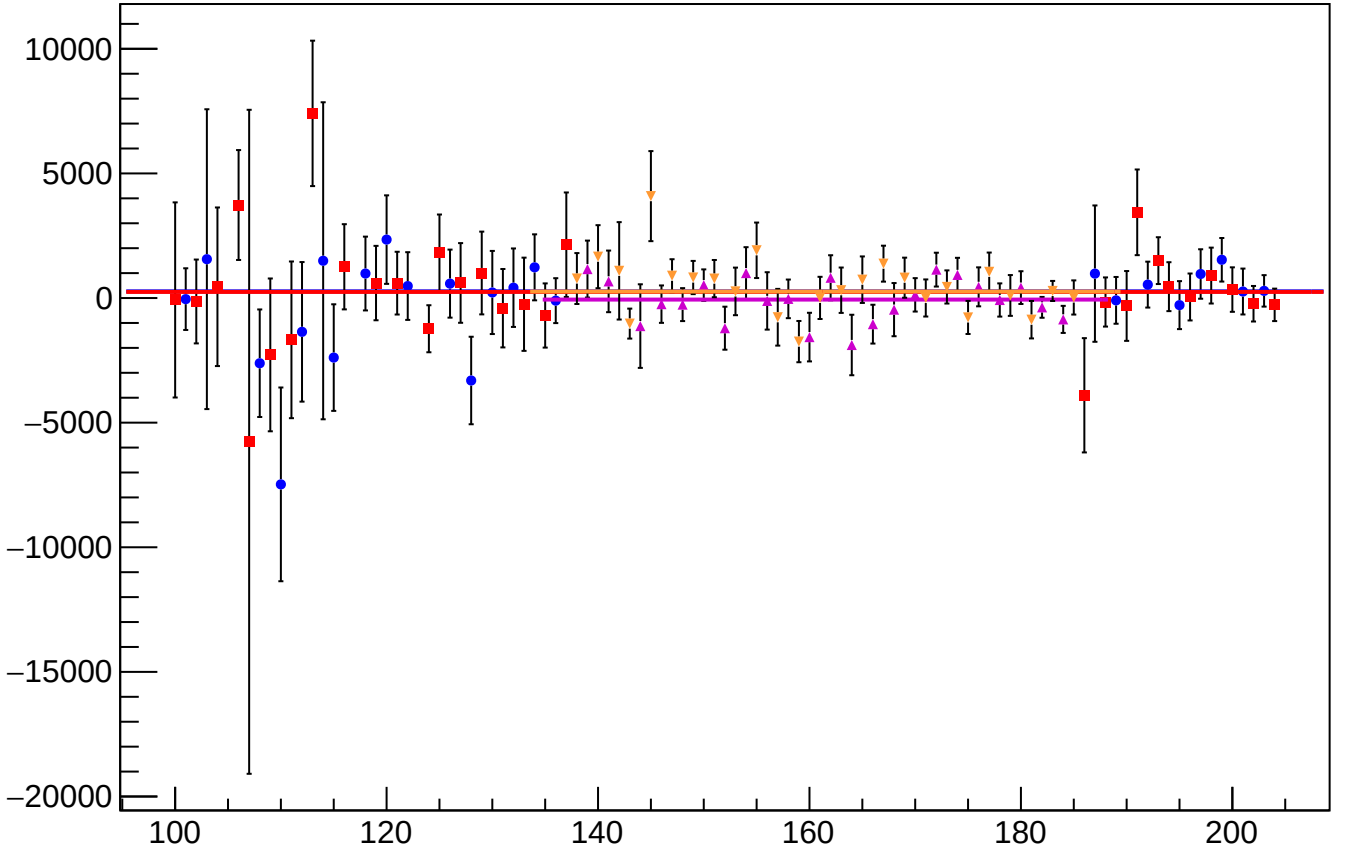
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2409.300+/-0.299 χ^2/NDF: 334441.8/48

All: 2416.190+/-0.210 χ^2/NDF: 1016993.2/10

- sign 2422.951+/-0.296 χ^2/NDF: 681499.7/52

asym_atl1_reg_correction_mean vs Slug



Right In: 267.906+/-253.064 χ^2/NDF: 17.5/23

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 245.844+/-235.440 χ^2/NDF: 26.0/29

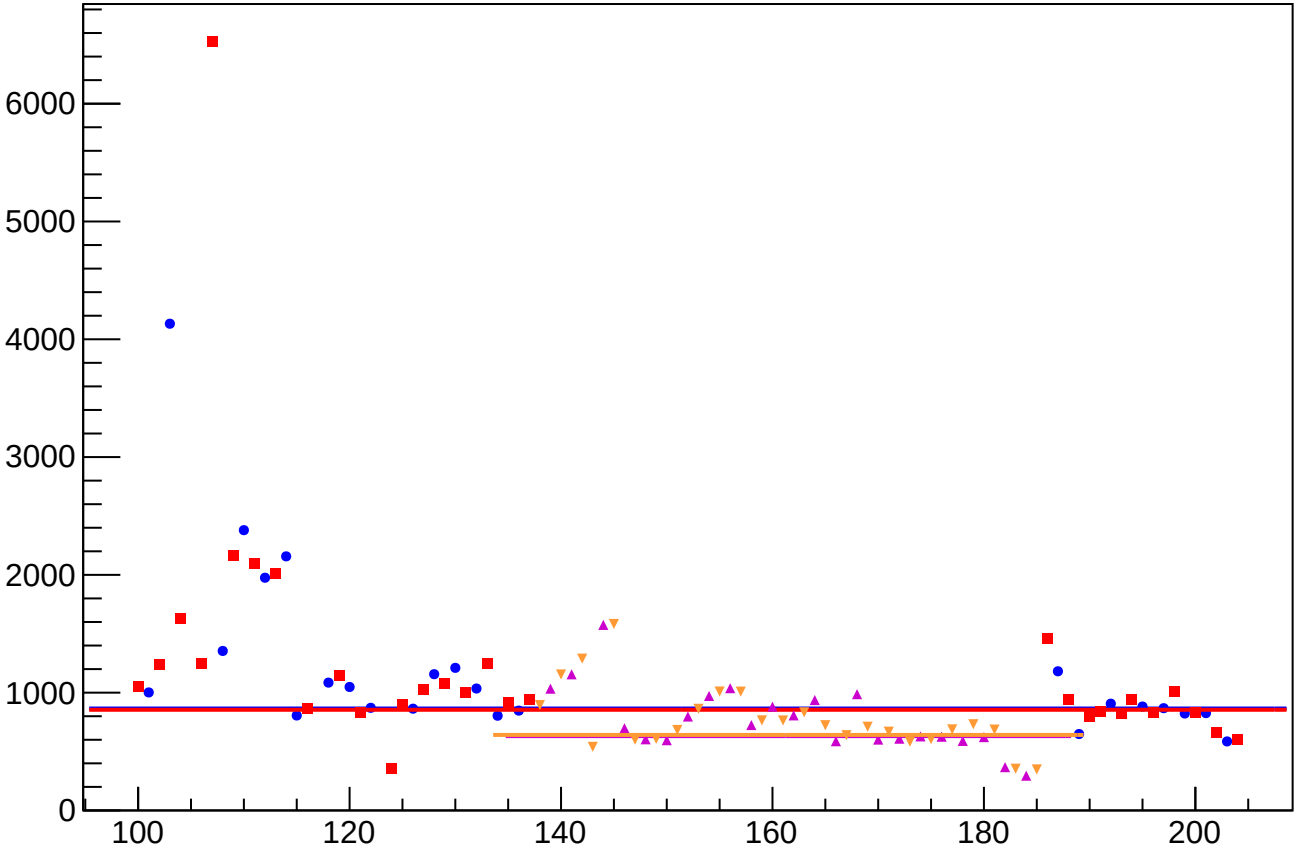
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 263.506+/-131.561 χ^2/NDF: 48.7/48

All: 147.683+/-92.775 χ^2/NDF: 99.4/101

- sign 33.111+/-130.848 χ^2/NDF: 49.2/52

asym_atl1_reg_correction_rms vs Slug



Right In: 865.363+/-0.179 χ^2/NDF: 2191086.9/23

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 854.667+/-0.166 χ^2/NDF: 3122412.3/29

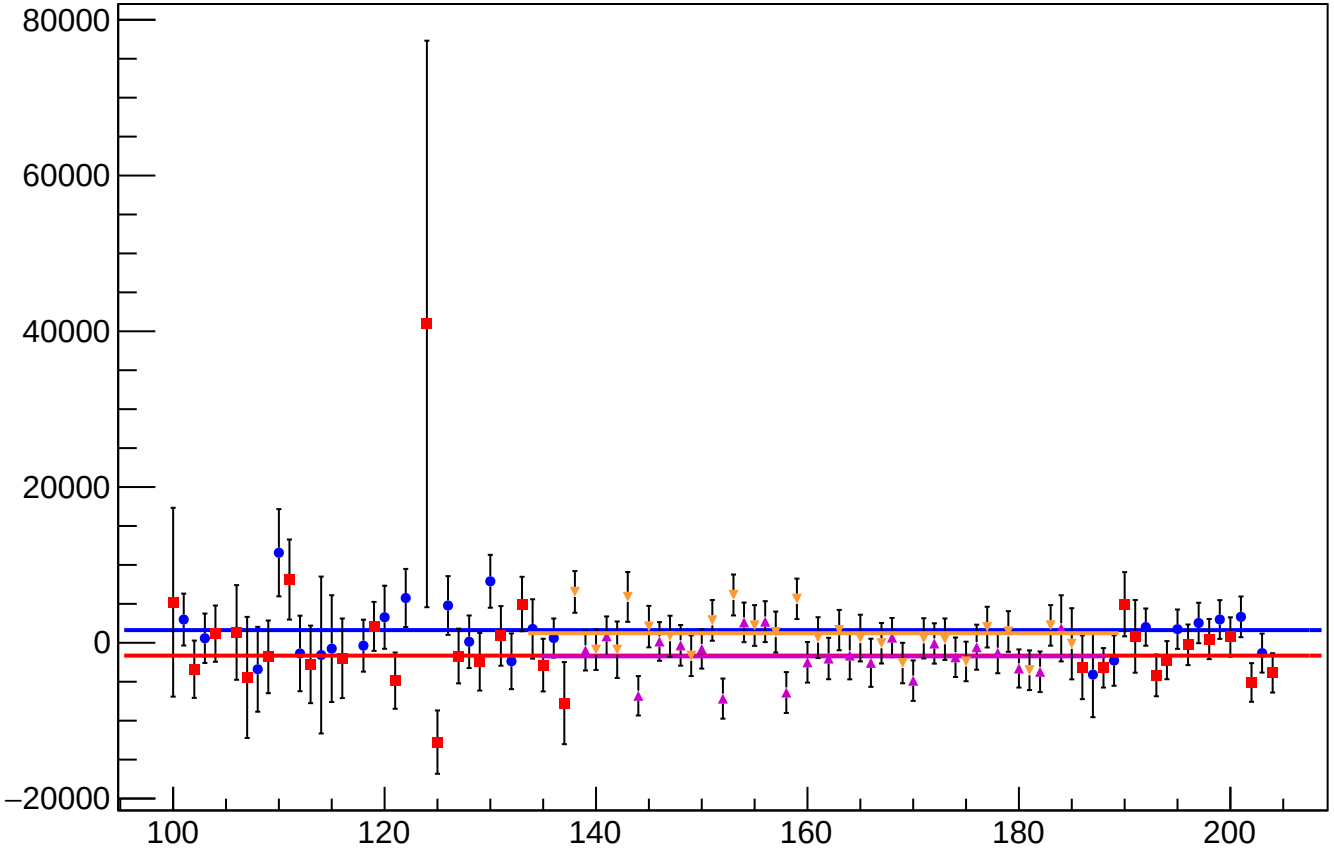
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 701.752+/-0.093 χ^2/NDF: 6811532.0/48

All: 700.982+/-0.066 χ^2/NDF: 15154781.8/10

- sign 700.221+/-0.093 χ^2/NDF: 8343113.6/52

cor_asym_atl1_mean vs Slug



Right In: 1627.947+/-677.555 χ^2/NDF: 17.2/23

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1646.542+/-641.495 χ^2/NDF: 30.7/29

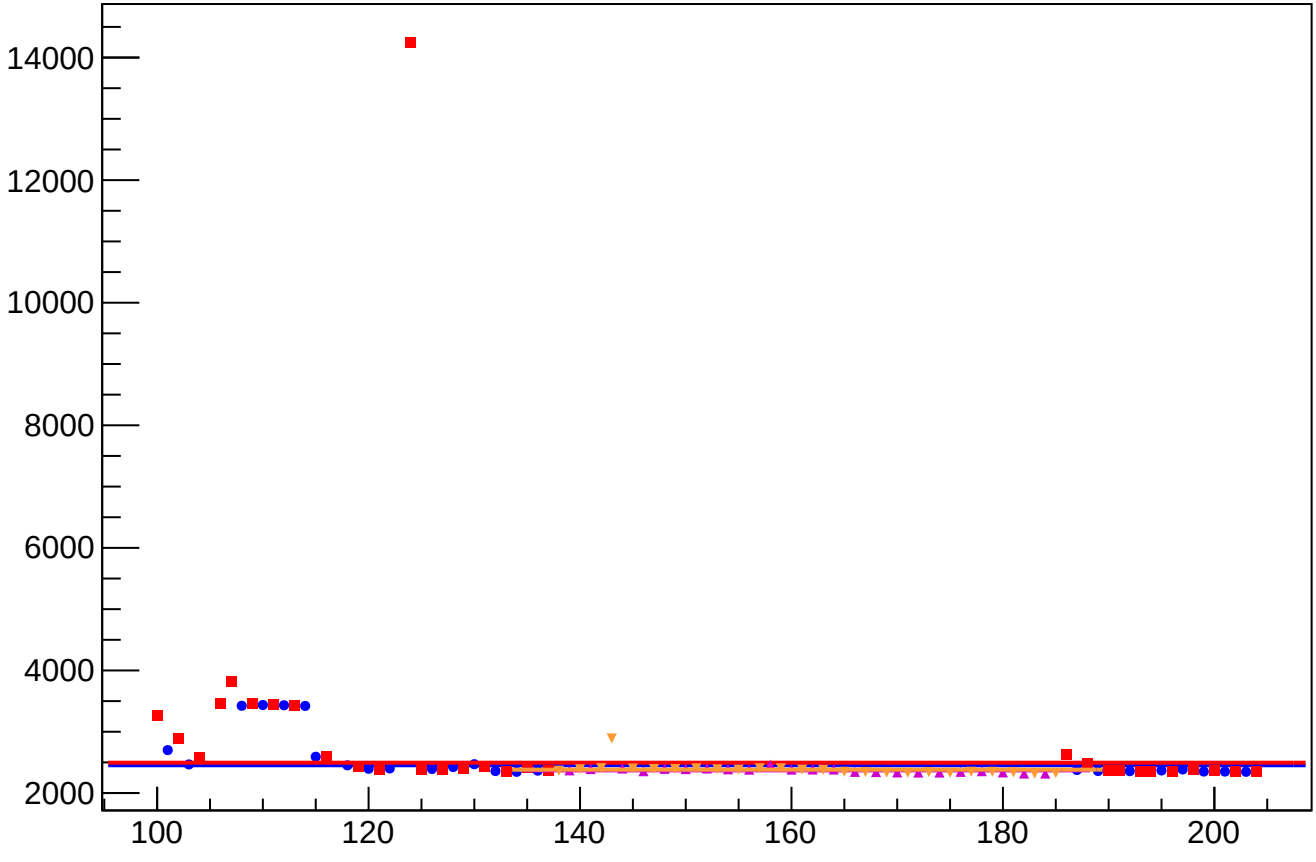
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1387.905+/-422.906 χ^2/NDF: 41.2/48

All: -171.097+/-297.635 χ^2/NDF: 123.2/101

- sign -1701.159+/-418.962 χ^2/NDF: 55.1/52

cor_asym_atl1_rms vs Slug



Right In: 2453.275+/-0.479 χ^2/NDF: 263017.9/23

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2495.146+/-0.454 χ^2/NDF: 633415.9/29

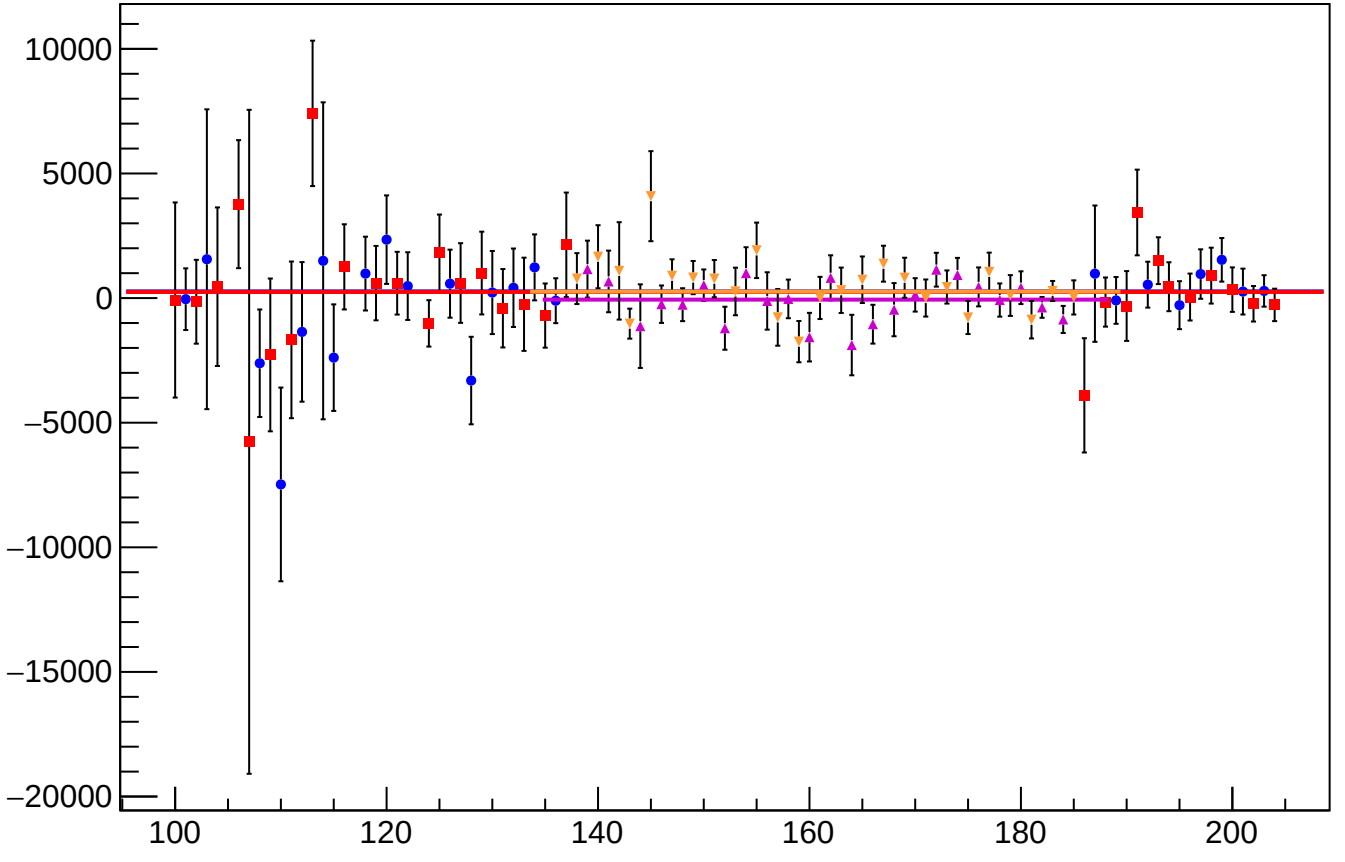
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2409.300+/-0.299 χ^2/NDF: 334441.9/48

All: 2416.228+/-0.210 χ^2/NDF: 1020035.0/10

- sign 2423.027+/-0.296 χ^2/NDF: 684529.7/52

asym_atl1_cor_correction_mean vs Slug



Right In: 267.850+/-253.064 χ^2/NDF: 17.6/23

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 246.876+/-235.599 χ^2/NDF: 24.8/29

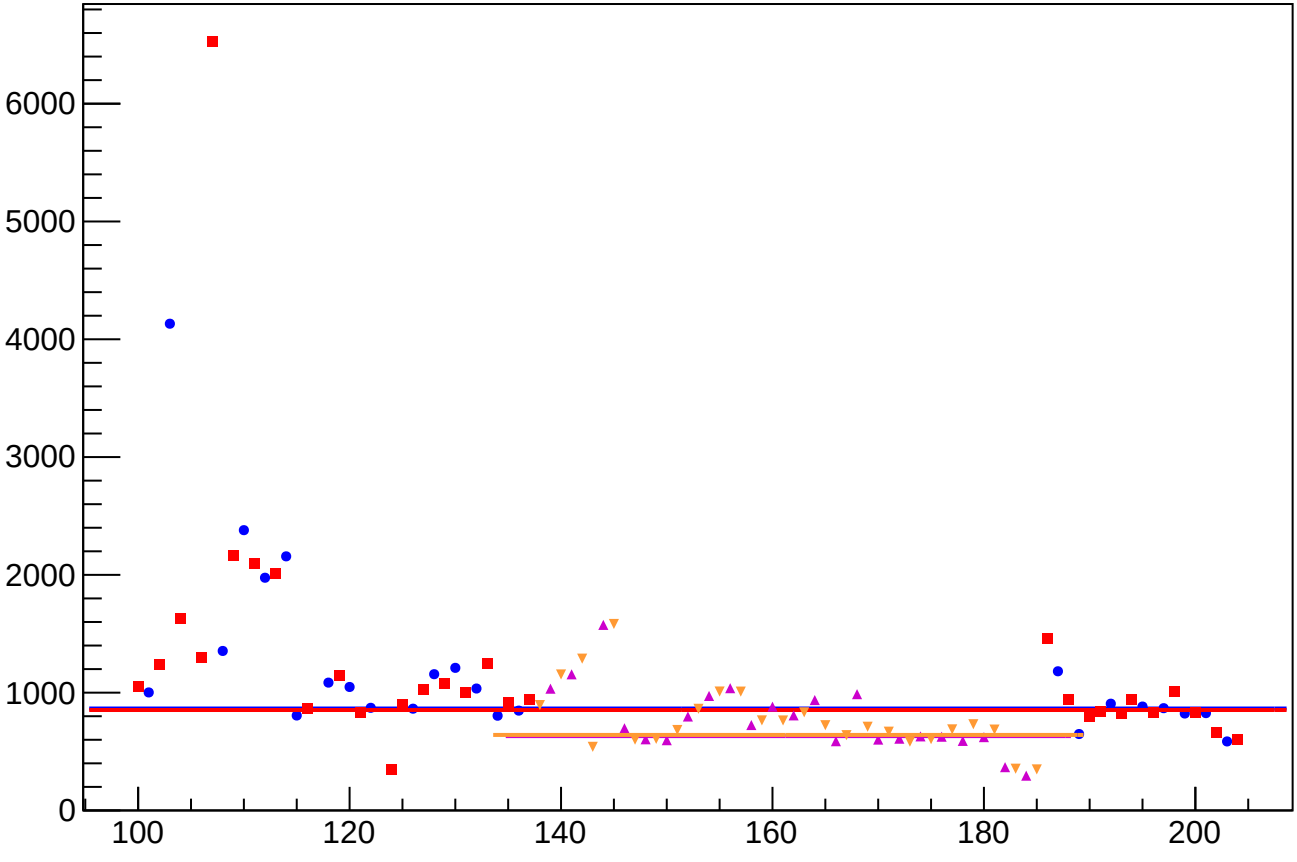
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 263.698+/-131.563 χ^2/NDF: 48.7/48

All: 147.910+/-92.785 χ^2/NDF: 98.2/101

- sign 33.329+/-130.875 χ^2/NDF: 48.0/52

asym_atl1_cor_correction_rms vs Slug



Right In: 865.362+/-0.179 χ^2/NDF: 2191100.9/23

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 852.769+/-0.167 χ^2/NDF: 3143295.0/29

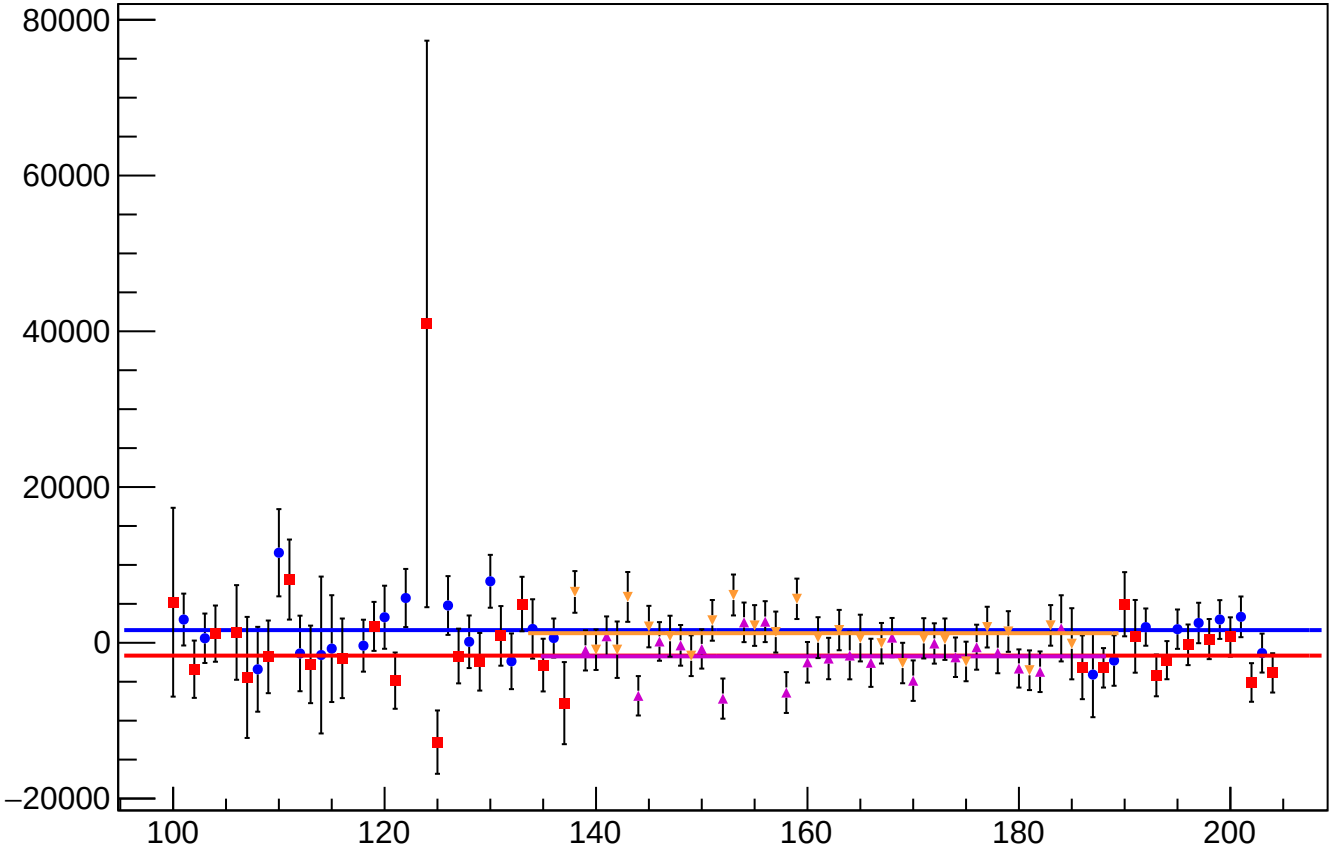
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 701.763+/-0.093 χ^2/NDF: 6811129.9/48

All: 700.660+/-0.066 χ^2/NDF: 15153362.1/10

- sign 699.569+/-0.093 χ^2/NDF: 8341952.7/52

eigen_cor_asym_atl1_mean vs Slug



Right In: 1627.947+/-677.555 χ^2/NDF: 17.2/23

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1646.542+/-641.495 χ^2/NDF: 30.7/29

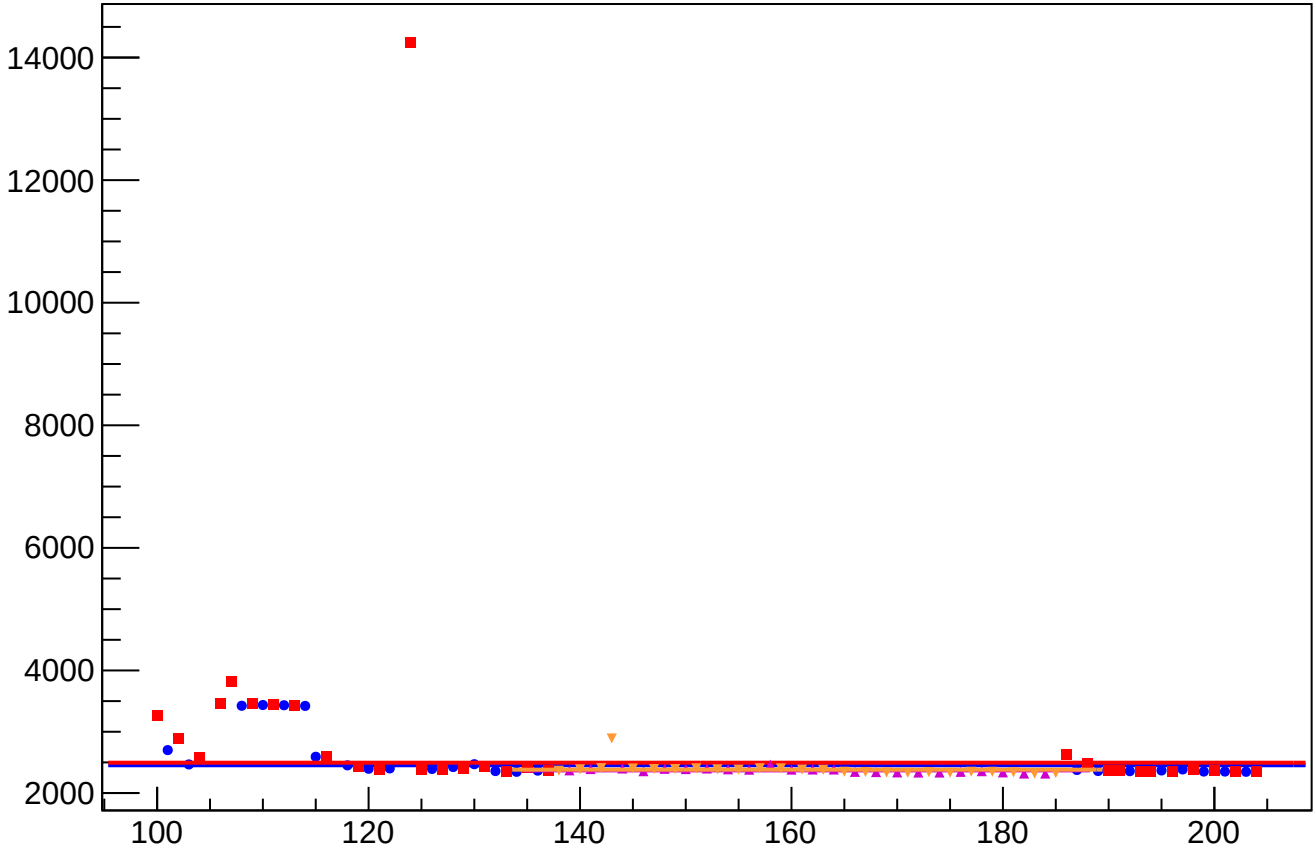
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1387.905+/-422.906 χ^2/NDF: 41.2/48

All: -171.097+/-297.635 χ^2/NDF: 123.2/101

- sign -1701.159+/-418.962 χ^2/NDF: 55.1/52

eigen_cor_asym_atl1_rms vs Slug



Right In: 2453.275+/-0.479 χ^2/NDF: 263017.9/23

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2495.146+/-0.454 χ^2/NDF: 633415.9/29

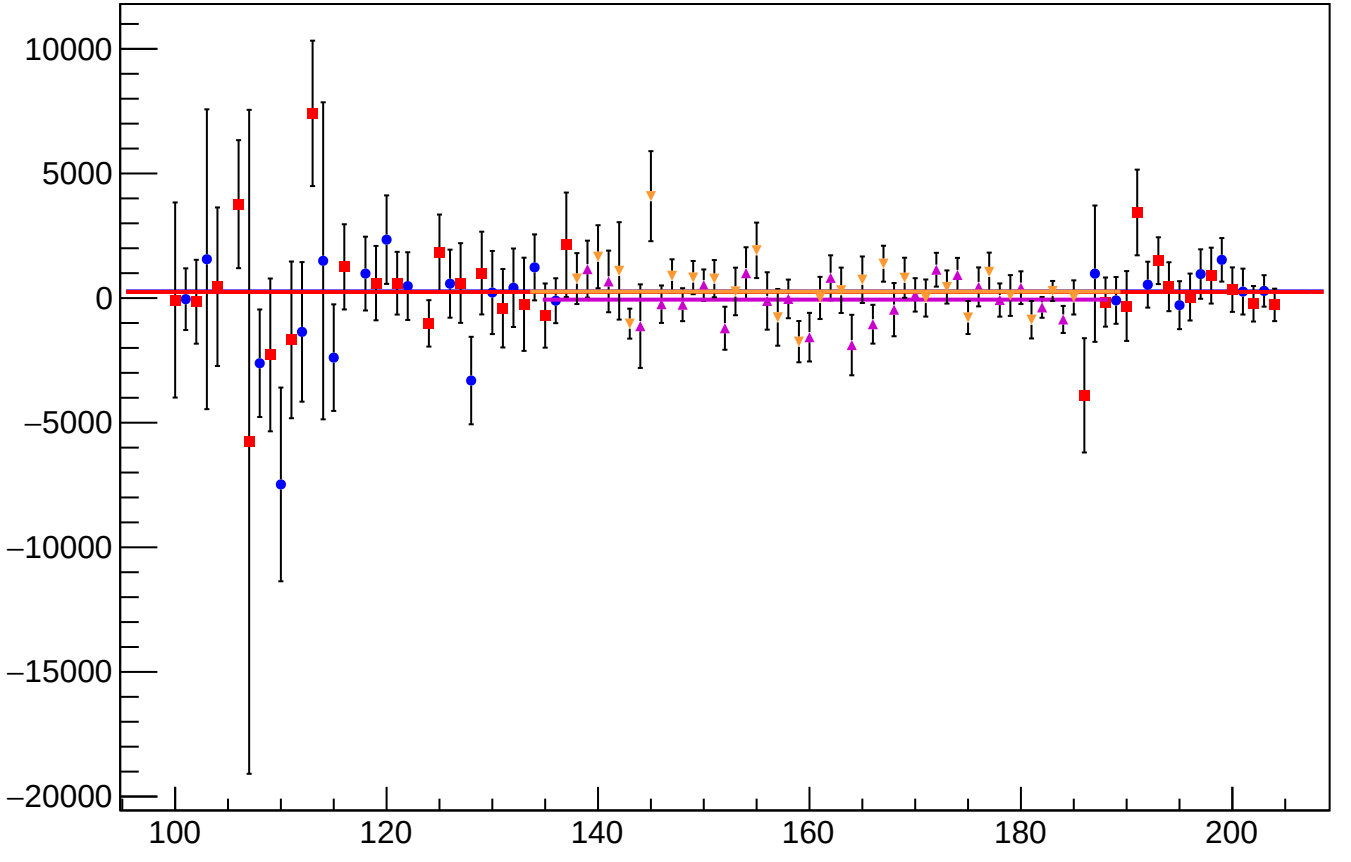
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2409.300+/-0.299 χ^2/NDF: 334441.9/48

All: 2416.228+/-0.210 χ^2/NDF: 1020035.0/10

- sign 2423.027+/-0.296 χ^2/NDF: 684529.7/52

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 267.850+/-253.064 χ^2/NDF: 17.6/23

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 246.876+/-235.599 χ^2/NDF: 24.8/29

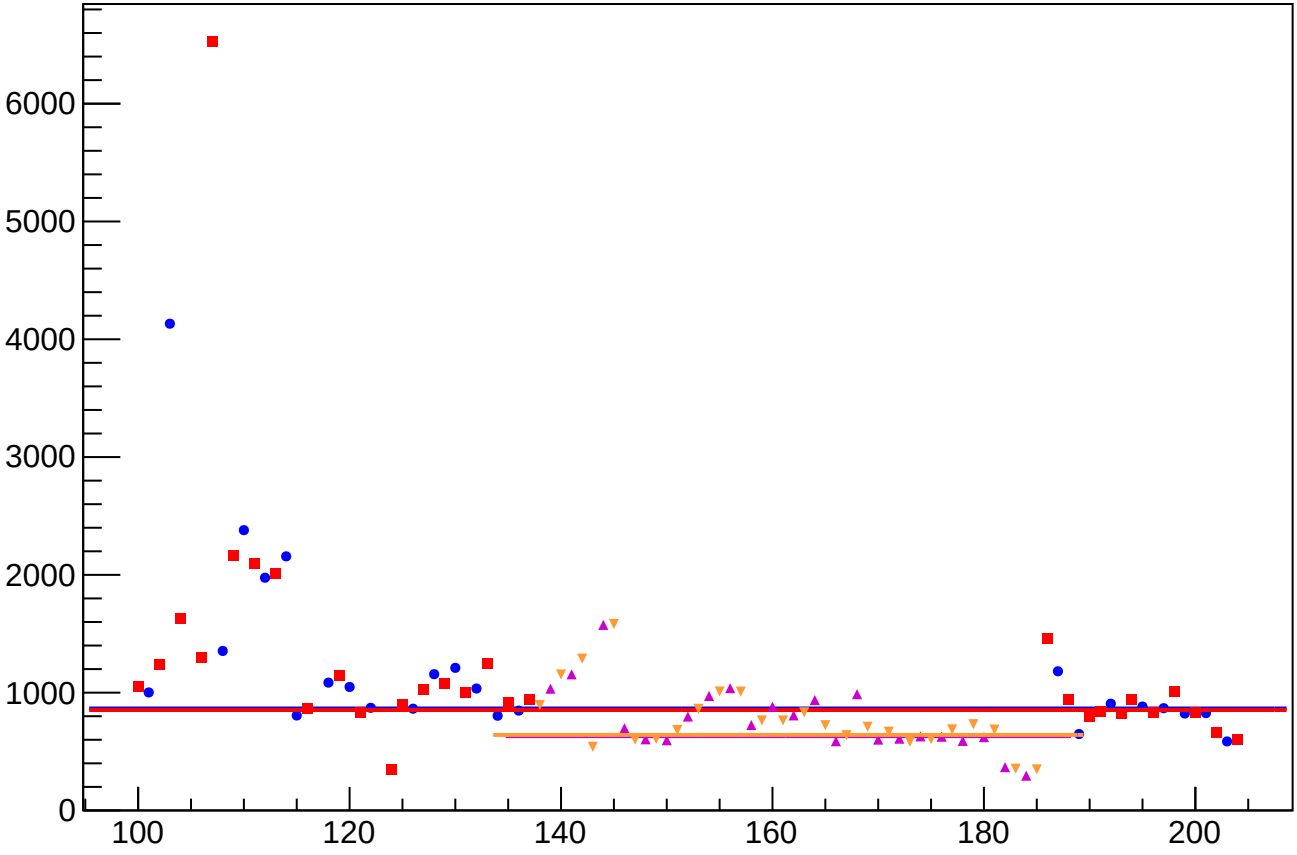
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 263.698+/-131.563 χ^2/NDF: 48.7/48

All: 147.910+/-92.785 χ^2/NDF: 98.2/101

- sign 33.329+/-130.875 χ^2/NDF: 48.0/52

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 865.362+/-0.179 χ^2/NDF: 2191100.9/23

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 852.769+/-0.167 χ^2/NDF: 3143295.0/29

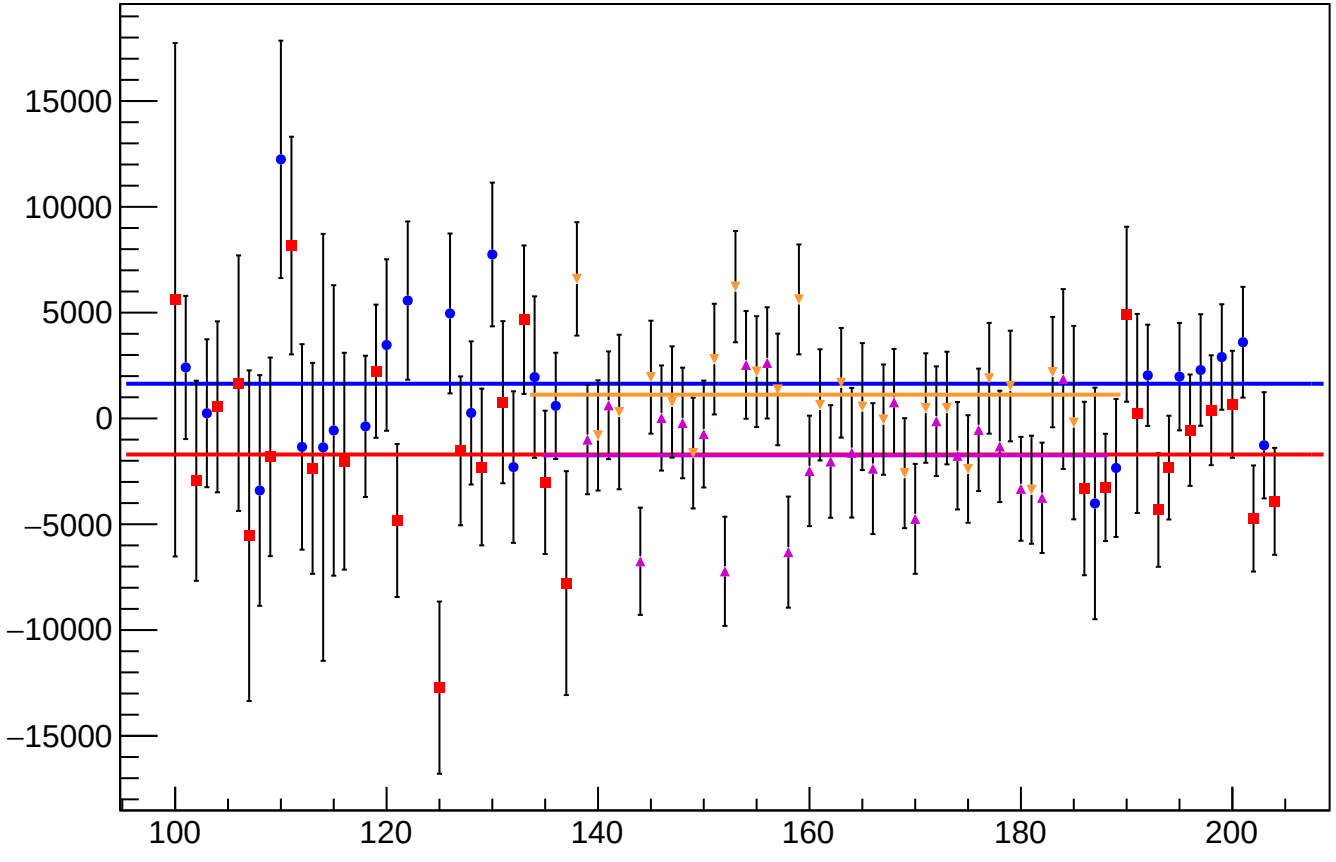
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 701.763+/-0.093 χ^2/NDF: 6811129.9/48

All: 700.660+/-0.066 χ^2/NDF: 15153362.1/10

- sign 699.569+/-0.093 χ^2/NDF: 8341952.7/52

dit_asym_atl1_mean vs Slug



Right In: 1639.854+/-682.495 χ^2/NDF: 17.3/23

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1703.622+/-649.499 χ^2/NDF: 28.1/28

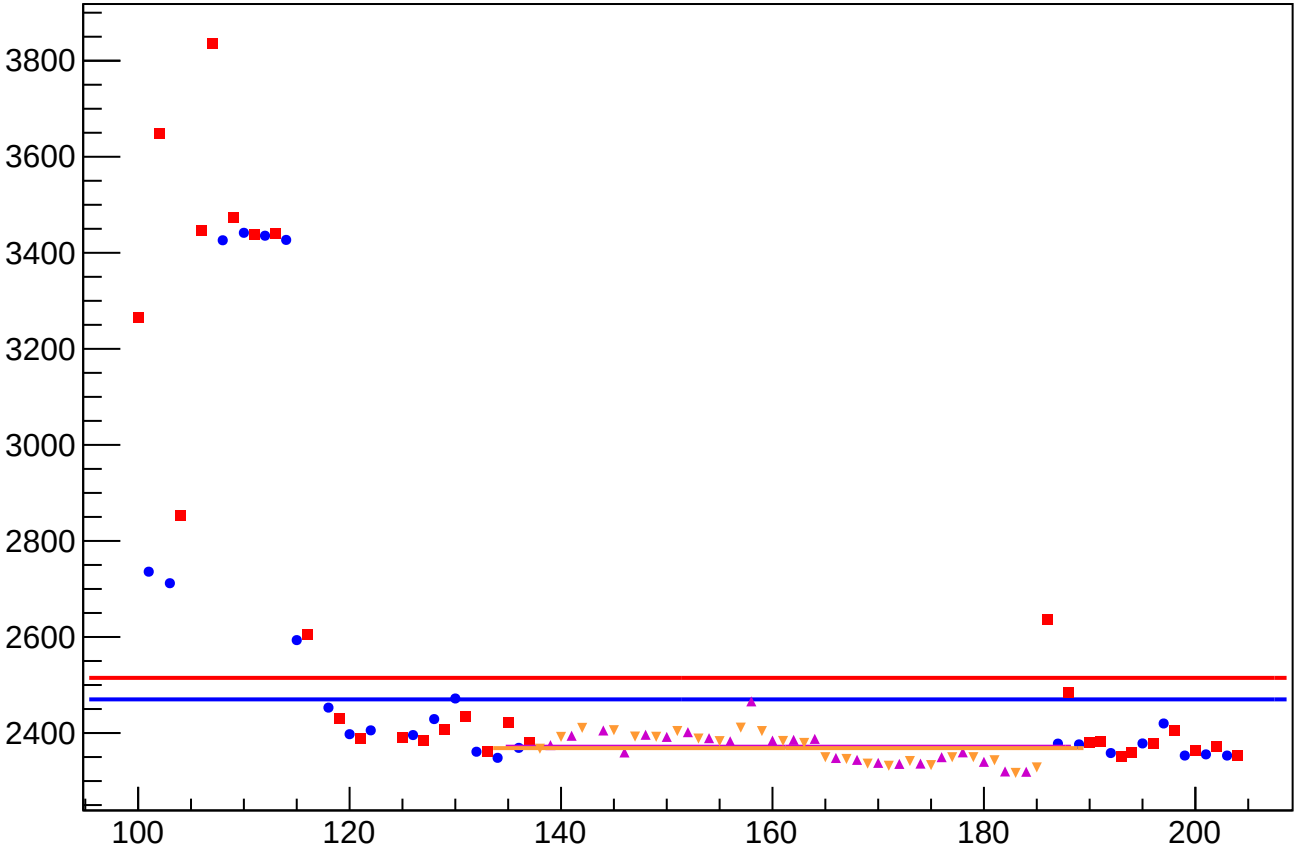
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1327.978+/-428.171 χ^2/NDF: 38.8/47

All: -223.401+/-300.336 χ^2/NDF: 116.5/99

- sign -1726.022+/-421.389 χ^2/NDF: 51.9/51

dit_asym_atl1_rms vs Slug



Right In: 2470.054+/-0.483 χ^2/NDF: 273183.8/23

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2514.845+/-0.459 χ^2/NDF: 528679.0/28

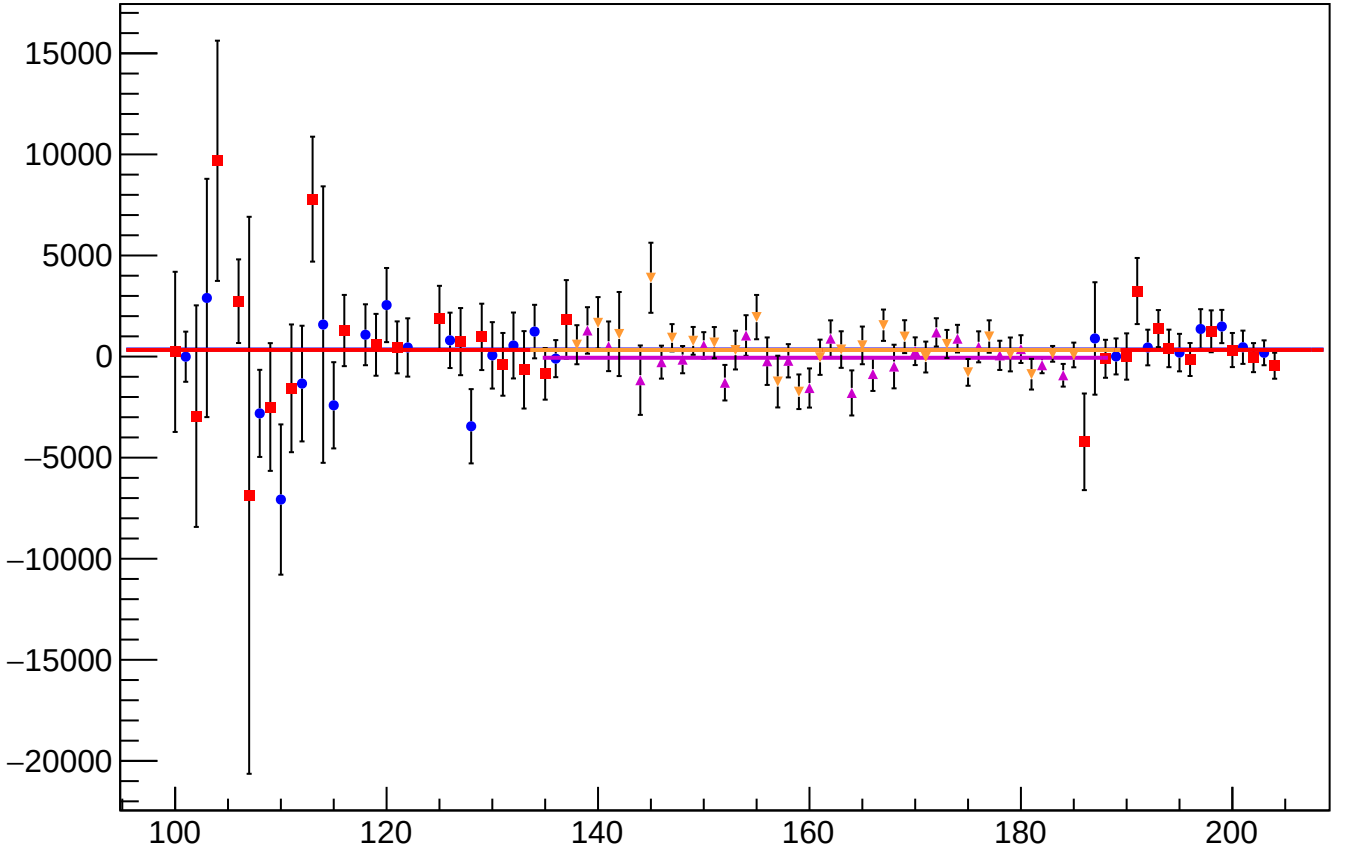
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2408.512+/-0.303 χ^2/NDF: 305571.6/47

All: 2420.366+/-0.212 χ^2/NDF: 900719.9/99

- sign 2431.849+/-0.298 χ^2/NDF: 592130.1/51

asym_atl1_dit_correction_mean vs Slug



Right In: 348.094+/-247.197 χ^2/NDF: 18.6/23

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 328.278+/-237.651 χ^2/NDF: 26.2/28

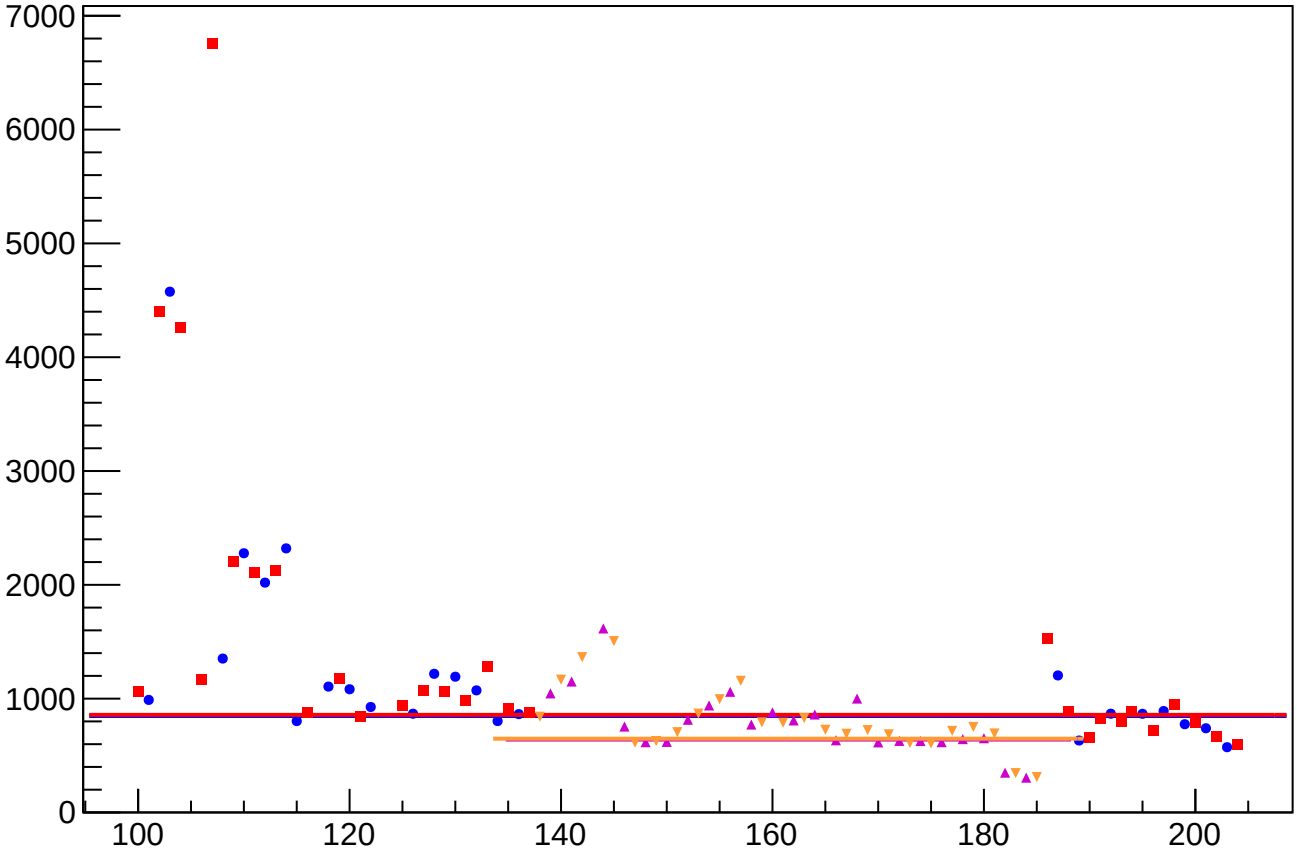
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 332.494+/-134.344 χ^2/NDF: 45.4/47

All: 194.917+/-94.349 χ^2/NDF: 98.2/99

- sign 61.022+/-132.534 χ^2/NDF: 50.7/51

asym_atl1_dit_correction_rms vs Slug



Right In: 847.728+/-0.175 χ^2/NDF: 2572801.2/23

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

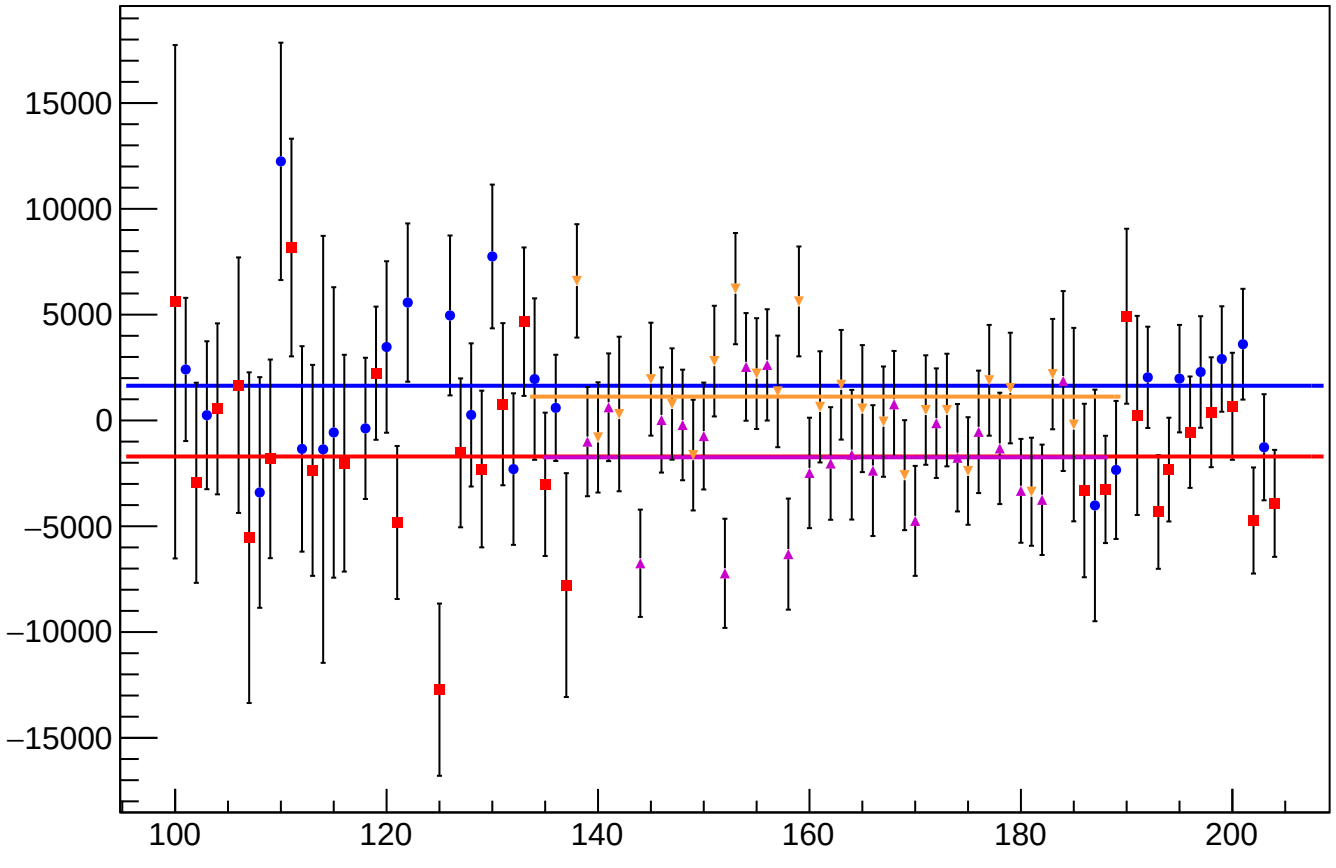
Right Out: 857.493+/-0.168 χ^2/NDF: 3982945.1/28

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 707.062+/-0.095 χ^2/NDF: 7378875.7/47

All: 707.504+/-0.067 χ^2/NDF: 16640282.9/99

- sign 707.934+/-0.094 χ^2/NDF: 9261364.4/51



Right In: 1639.852+/-682.495 χ^2/NDF: 17.3/23

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1703.620+/-649.499 χ^2/NDF: 28.1/28

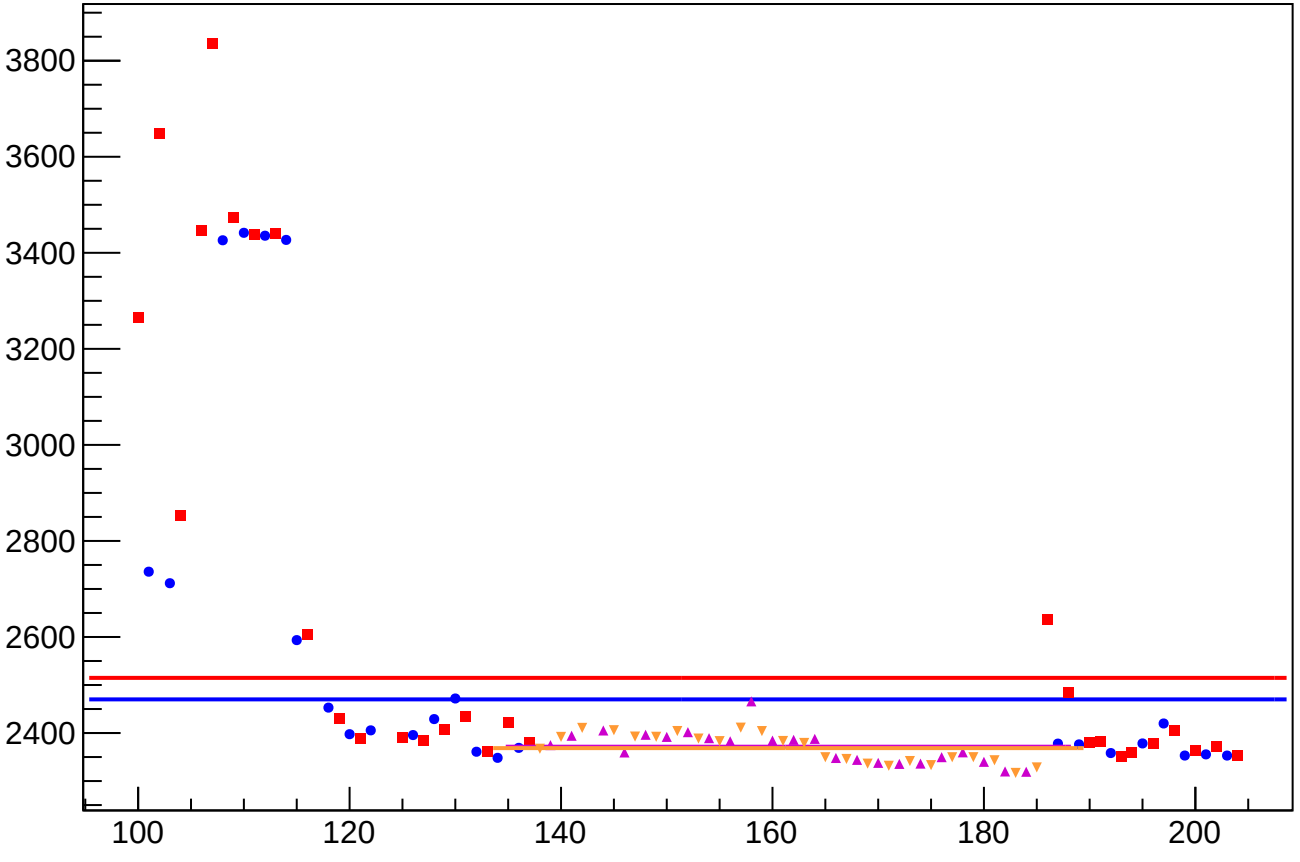
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1327.978+/-428.171 χ^2/NDF: 38.8/47

All: -223.401+/-300.336 χ^2/NDF: 116.5/99

- sign -1726.021+/-421.389 χ^2/NDF: 51.9/51

eigen_dit_asym_atl1_rms vs Slug



Right In: 2470.053+/-0.483 χ^2/NDF: 273183.4/23

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2514.845+/-0.459 χ^2/NDF: 528678.2/28

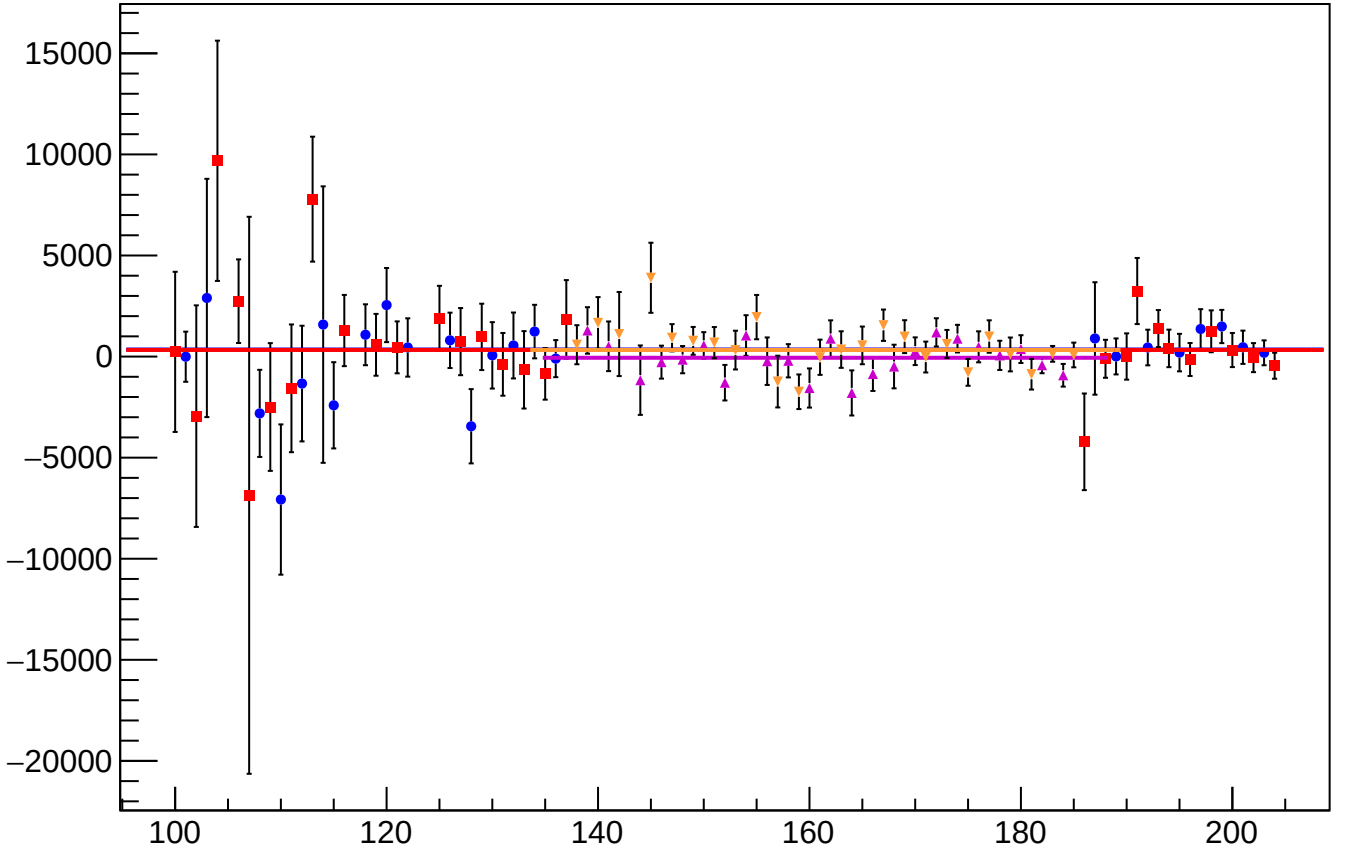
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2408.511+/-0.303 χ^2/NDF: 305571.1/47

All: 2420.366+/-0.212 χ^2/NDF: 900718.4/99

- sign 2431.849+/-0.298 χ^2/NDF: 592129.1/51

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 348.093+/-247.197 χ^2/NDF: 18.6/23

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 328.279+/-237.651 χ^2/NDF: 26.2/28

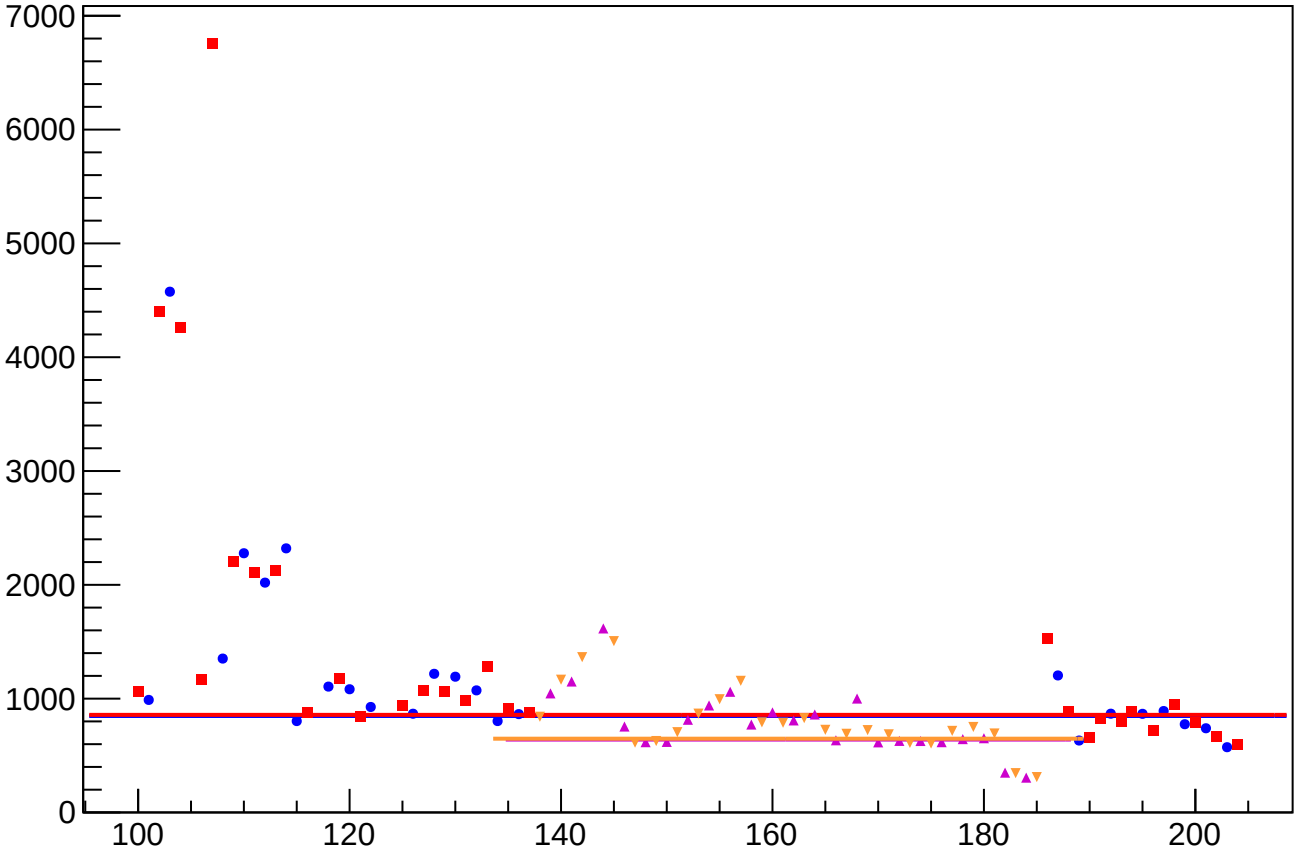
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 332.493+/-134.344 χ^2/NDF: 45.4/47

All: 194.917+/-94.349 χ^2/NDF: 98.2/99

- sign 61.022+/-132.534 χ^2/NDF: 50.7/51

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 847.728+/-0.175 χ^2/NDF: 2572799.5/23

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 857.493+/-0.168 χ^2/NDF: 3982944.7/28

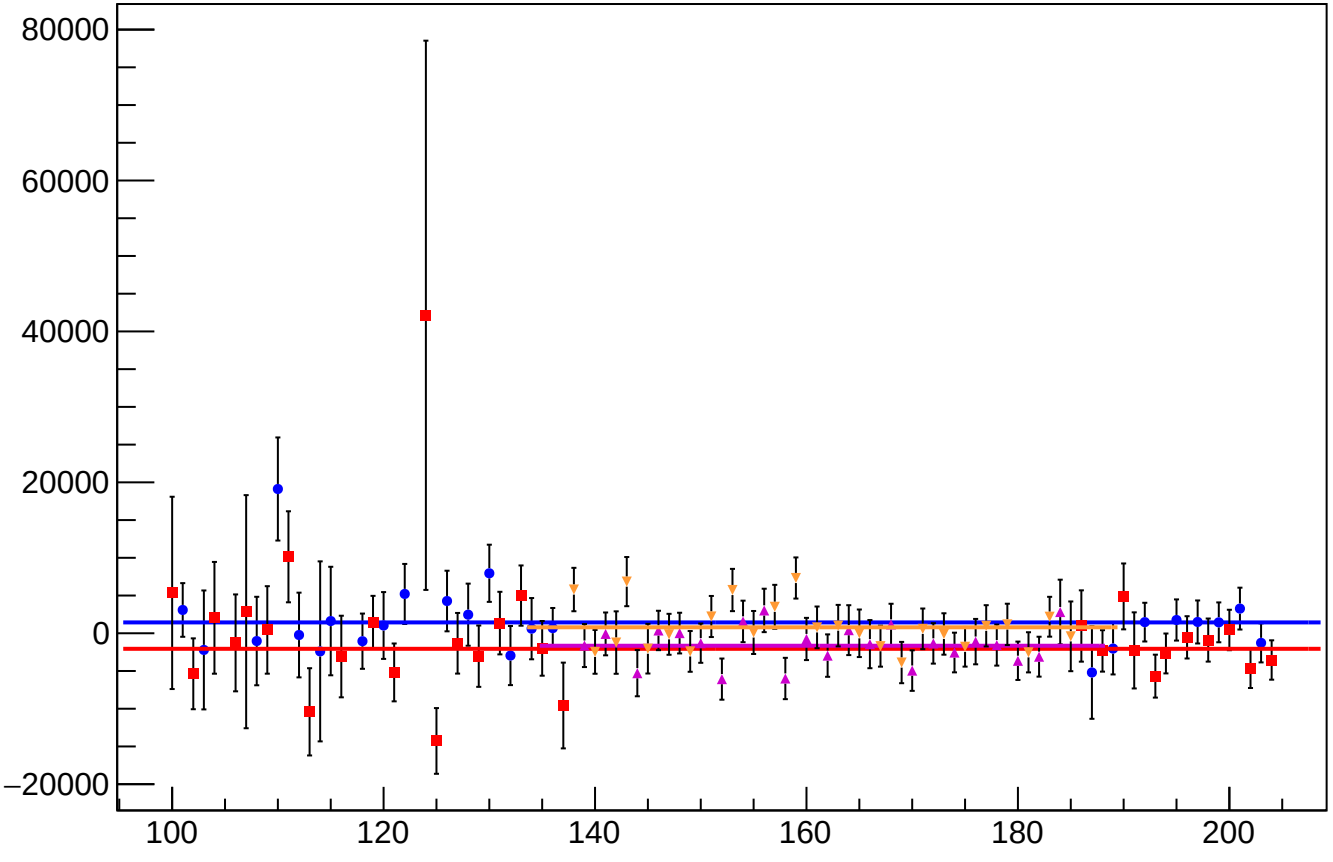
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 707.063+/-0.095 χ^2/NDF: 7378873.4/47

All: 707.504+/-0.067 χ^2/NDF: 16640282.6/99

- sign 707.934+/-0.094 χ^2/NDF: 9261366.6/51

asym_atl1_mean vs Slug



Right In: 1438.022+/-746.590 χ^2/NDF: 17.5/23

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -2060.363+/-708.135 χ^2/NDF: 31.6/29

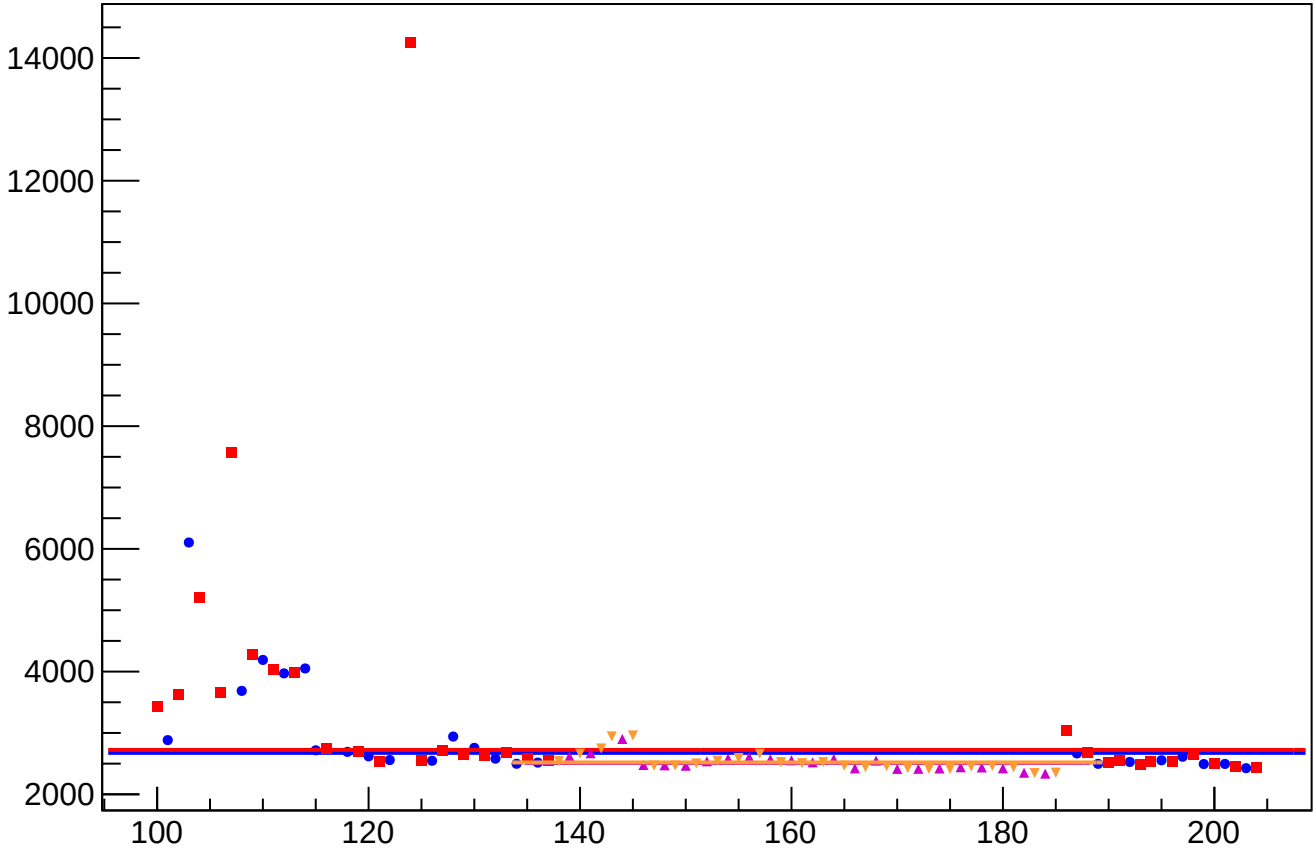
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1031.260+/-454.689 χ^2/NDF: 45.1/48

All: -403.307+/-320.493 χ^2/NDF: 114.0/101

- sign -1819.797+/-451.815 χ^2/NDF: 49.1/52

asym_atl1_rms vs Slug



Right In: 2676.253+/-0.528 χ^2/NDF: 755376.4/23

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2723.214+/-0.501 χ^2/NDF: 1203598.3/29

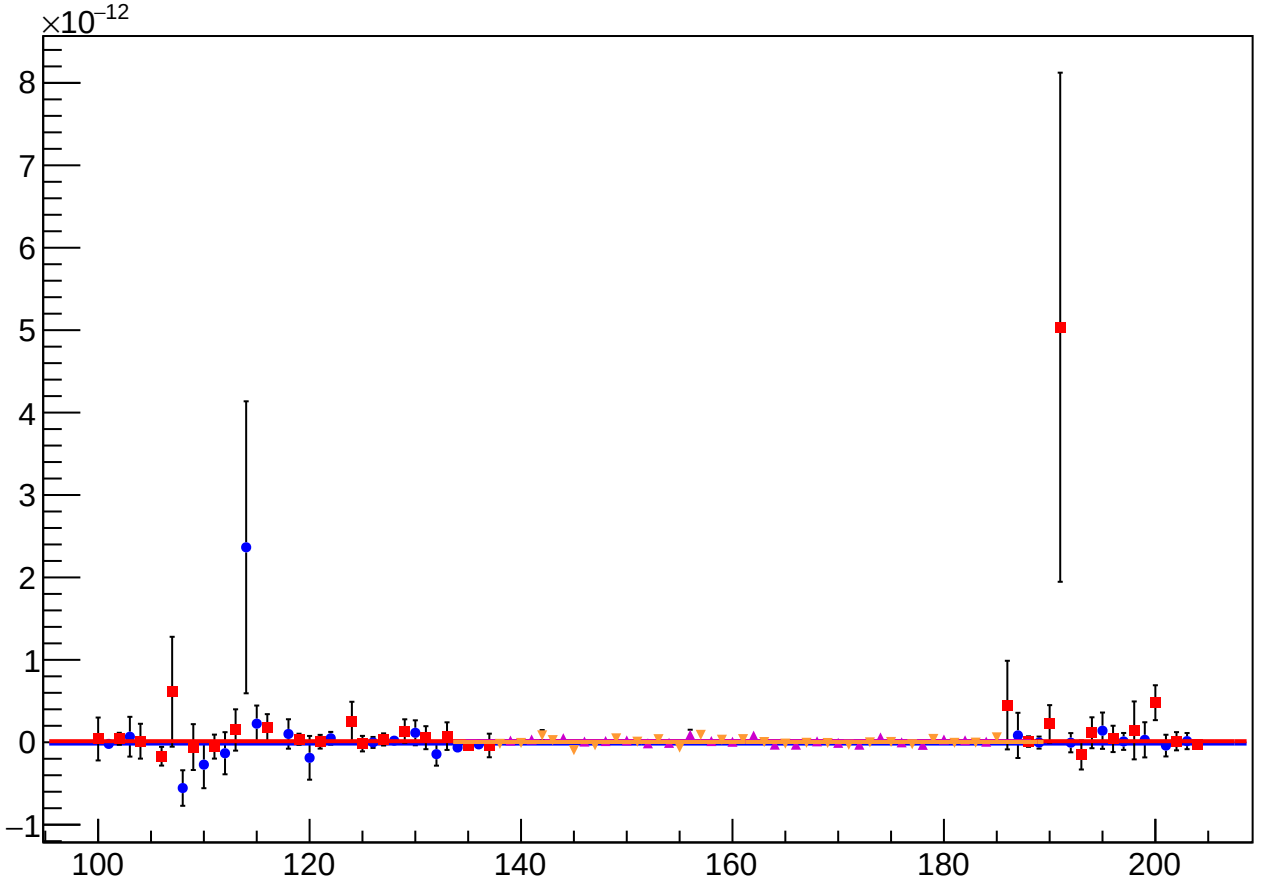
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2577.651+/-0.322 χ^2/NDF: 926034.2/48

All: 2587.331+/-0.227 χ^2/NDF: 2312550.7/10

- sign 2596.889+/-0.319 χ^2/NDF: 1384714.9/52

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/29

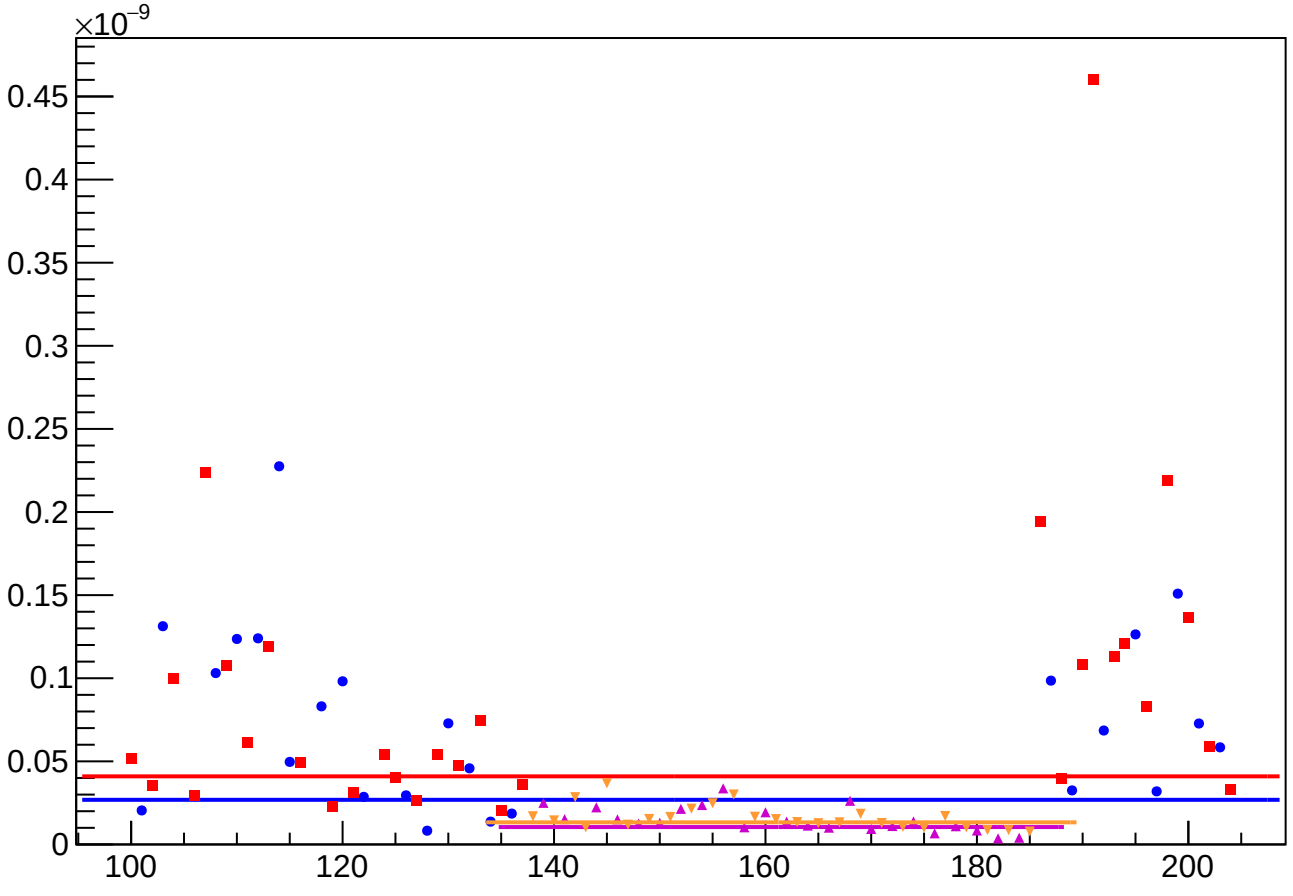
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.5/48

All: 0.000+/-0.000 χ^2/NDF: 100.7/101

- sign 0.000+/-0.000 χ^2/NDF: 51.3/52

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4443576.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3588343.8/29

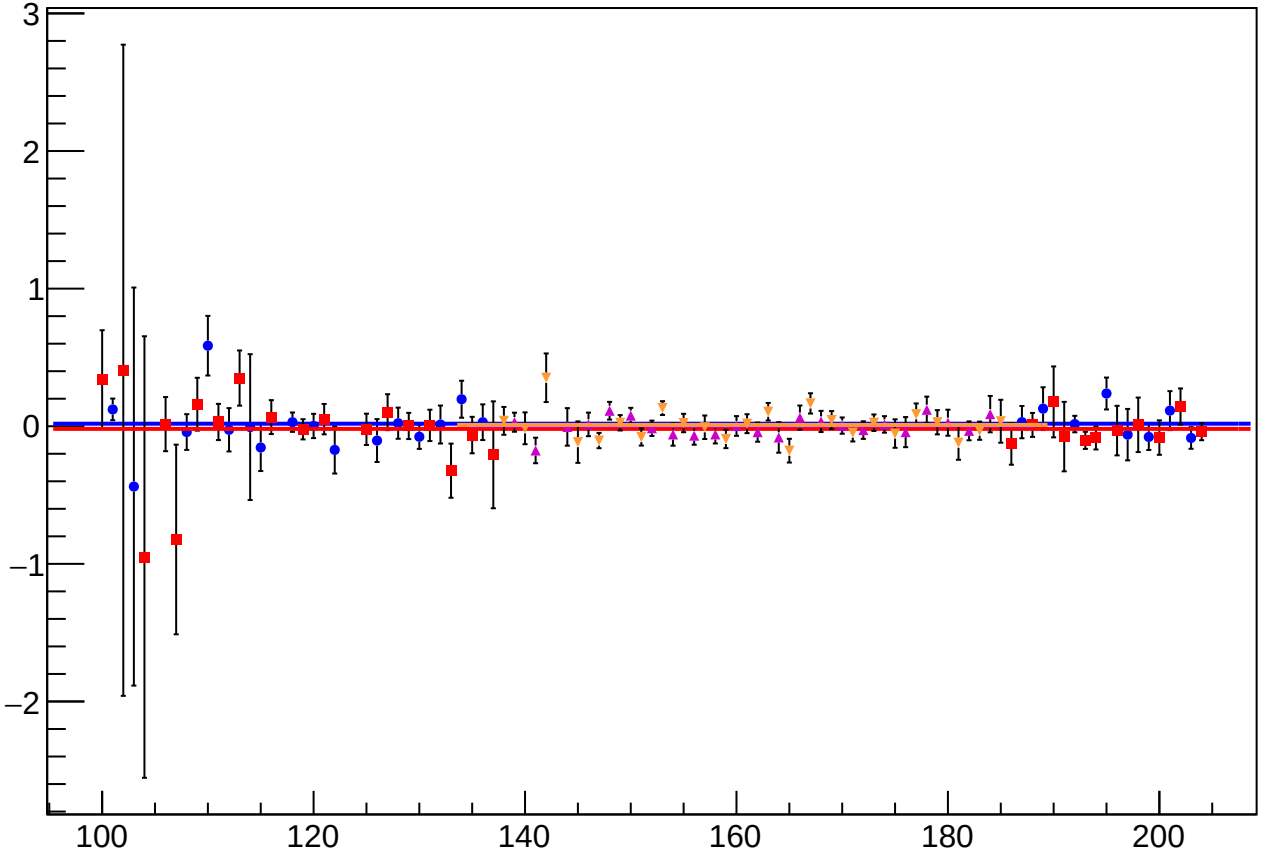
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7233018.1/48

All: 0.000+/-0.000 χ^2/NDF: 18225973.7/101

- sign 0.000+/-0.000 χ^2/NDF: 10714324.7/52

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.023 χ^2/NDF: 22.3/23

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.019+/-0.023 χ^2/NDF: 17.4/28

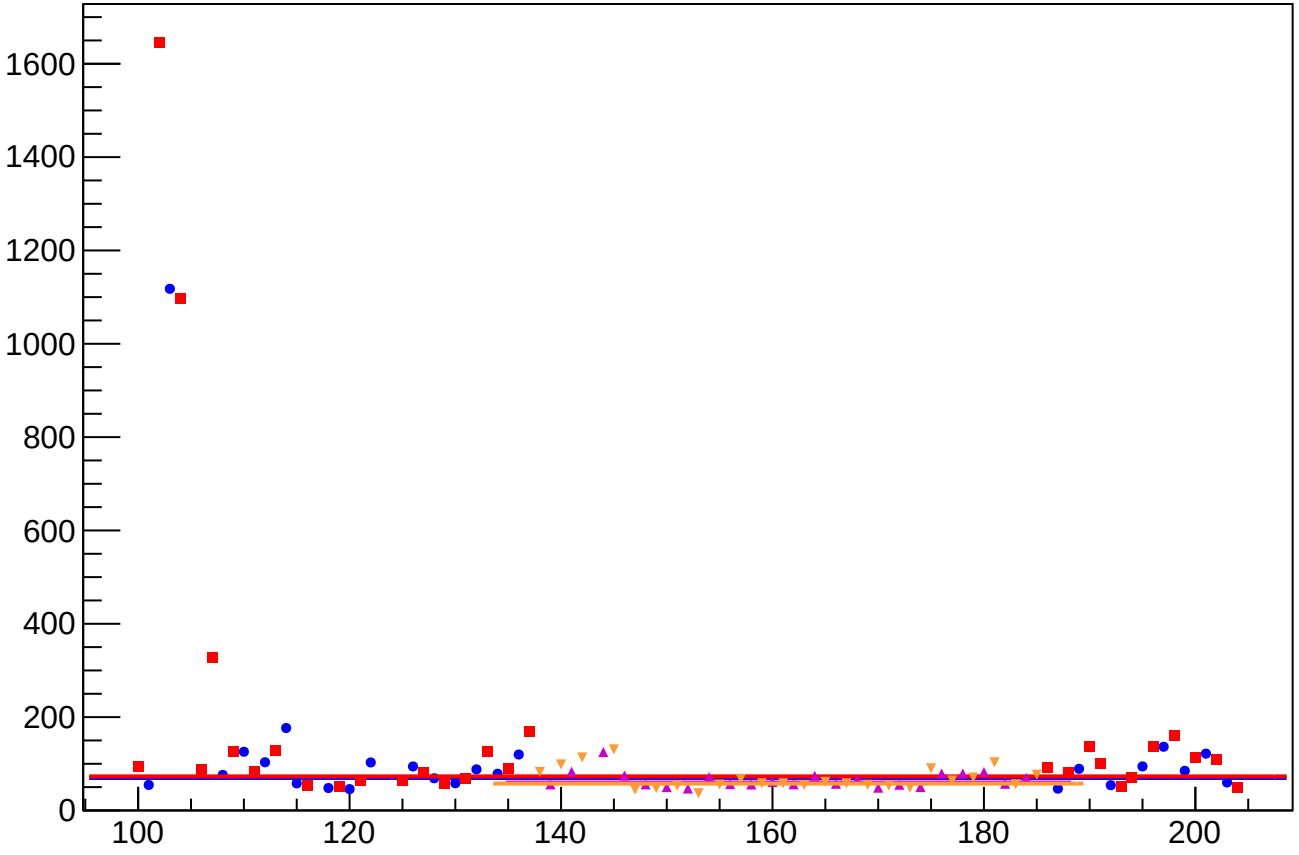
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.012+/-0.013 χ^2/NDF: 57.1/47

All: 0.003+/-0.009 χ^2/NDF: 91.6/99

- sign -0.006+/-0.013 χ^2/NDF: 33.5/51

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 69.634+/-0.016 χ^2/NDF: 3223845.3/23

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 73.045+/-0.016 χ^2/NDF: 4664608.7/28

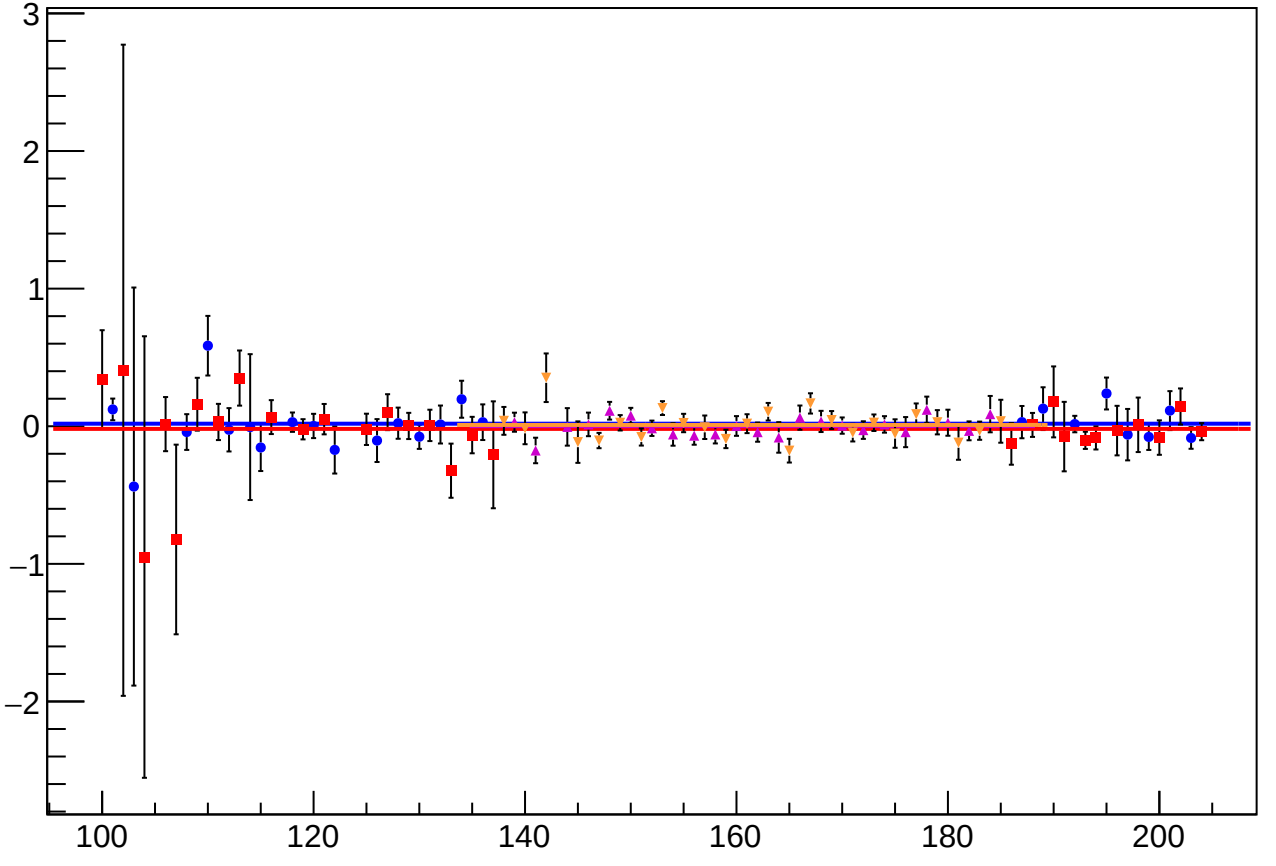
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 61.270+/-0.009 χ^2/NDF: 5823237.4/47

All: 62.622+/-0.006 χ^2/NDF: 12336895.7/99

- sign 64.018+/-0.009 χ^2/NDF: 6466837.4/51

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019+/-0.023 χ^2/NDF: 22.3/23

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.019+/-0.023 χ^2/NDF: 17.4/28

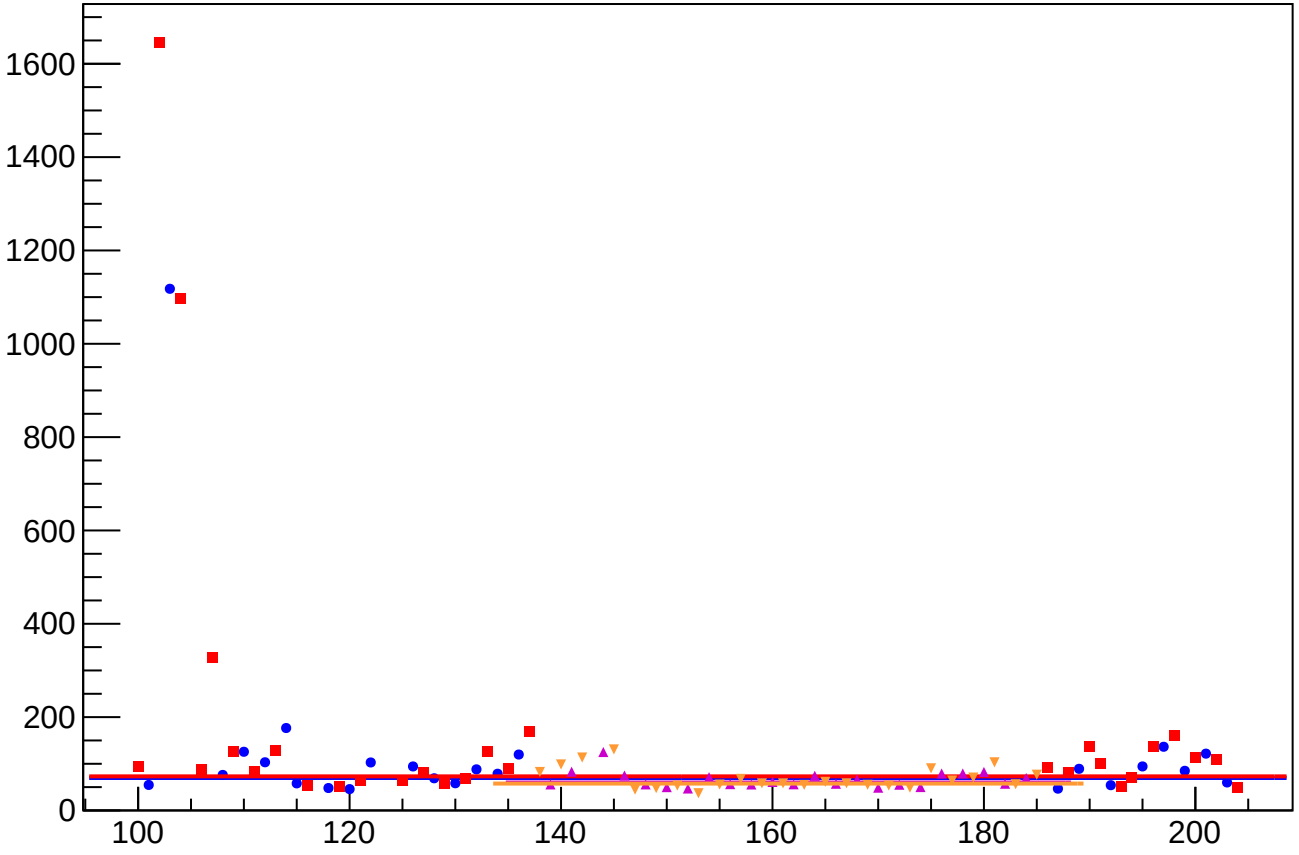
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.012+/-0.013 χ^2/NDF: 57.1/47

All: 0.003+/-0.009 χ^2/NDF: 91.6/99

- sign -0.006+/-0.013 χ^2/NDF: 33.5/51

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.634+/-0.016 χ^2/NDF: 3223845.3/23

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

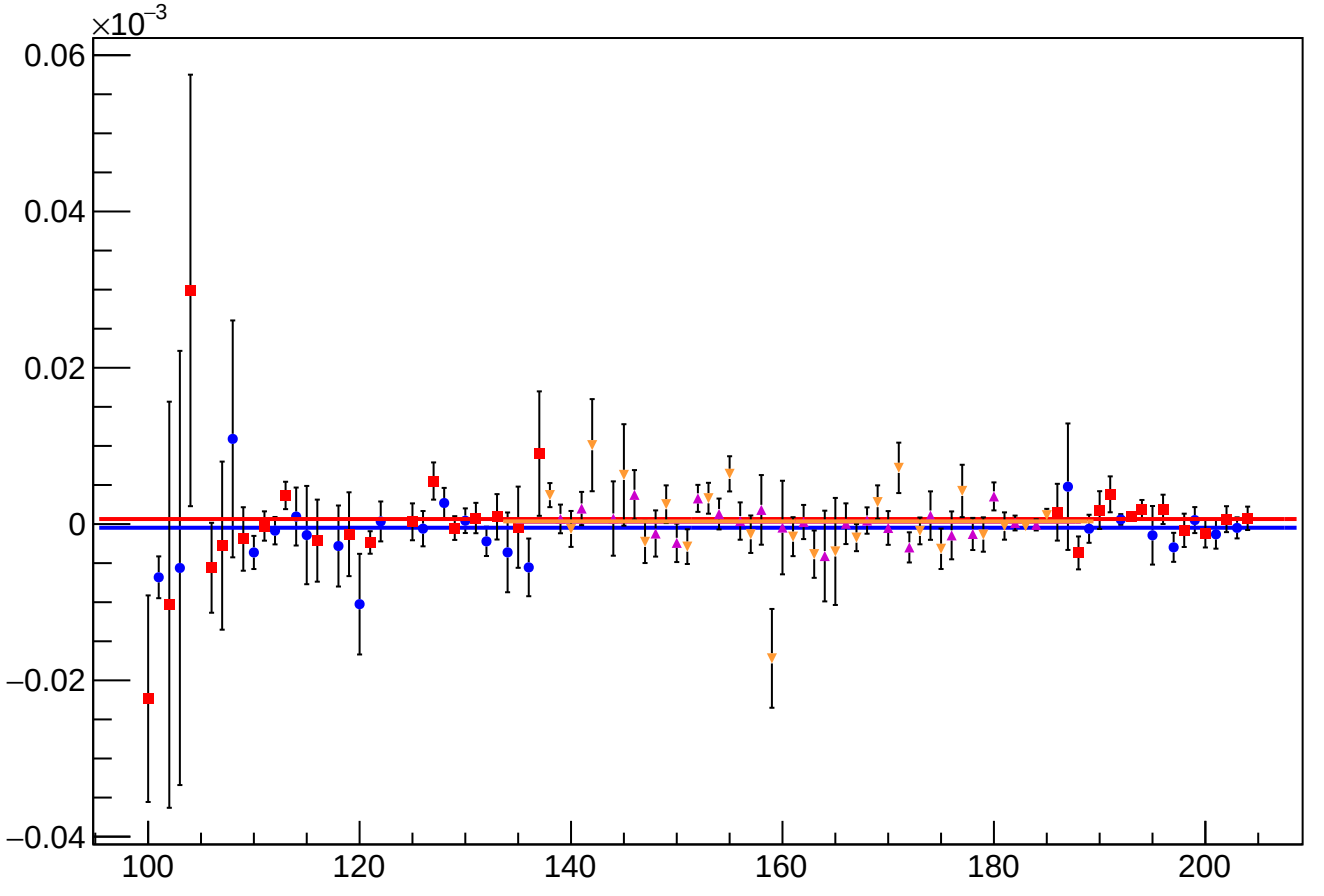
Right Out: 73.045+/-0.016 χ^2/NDF: 4664608.7/28

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 61.270+/-0.009 χ^2/NDF: 5823237.4/47

All: 62.622+/-0.006 χ^2/NDF: 12336895.7/99

- sign 64.018+/-0.009 χ^2/NDF: 6466837.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.4/28

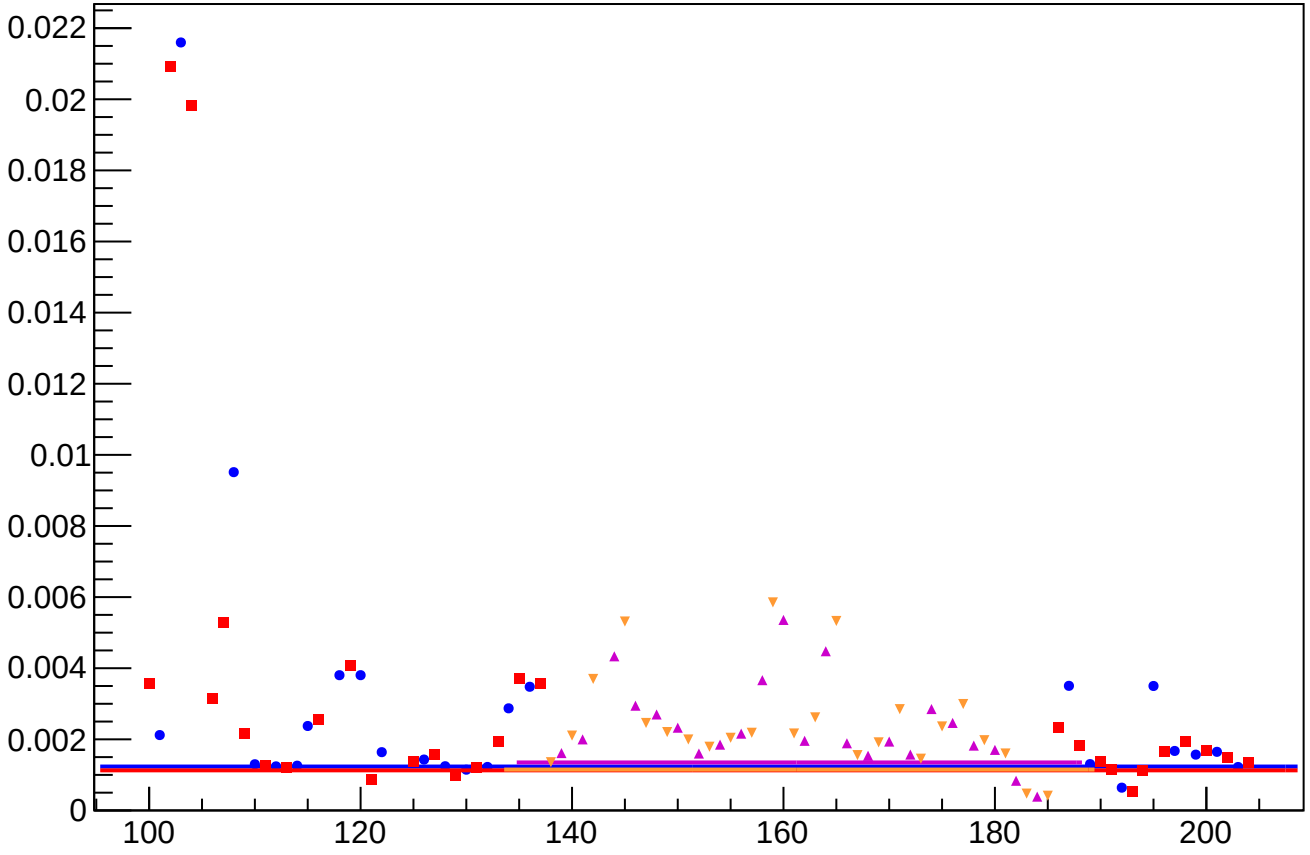
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.8/47

All: 0.000+/-0.000 χ^2/NDF: 118.3/99

- sign 0.000+/-0.000 χ^2/NDF: 44.7/51

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6470696.3/23

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 7823628.8/28

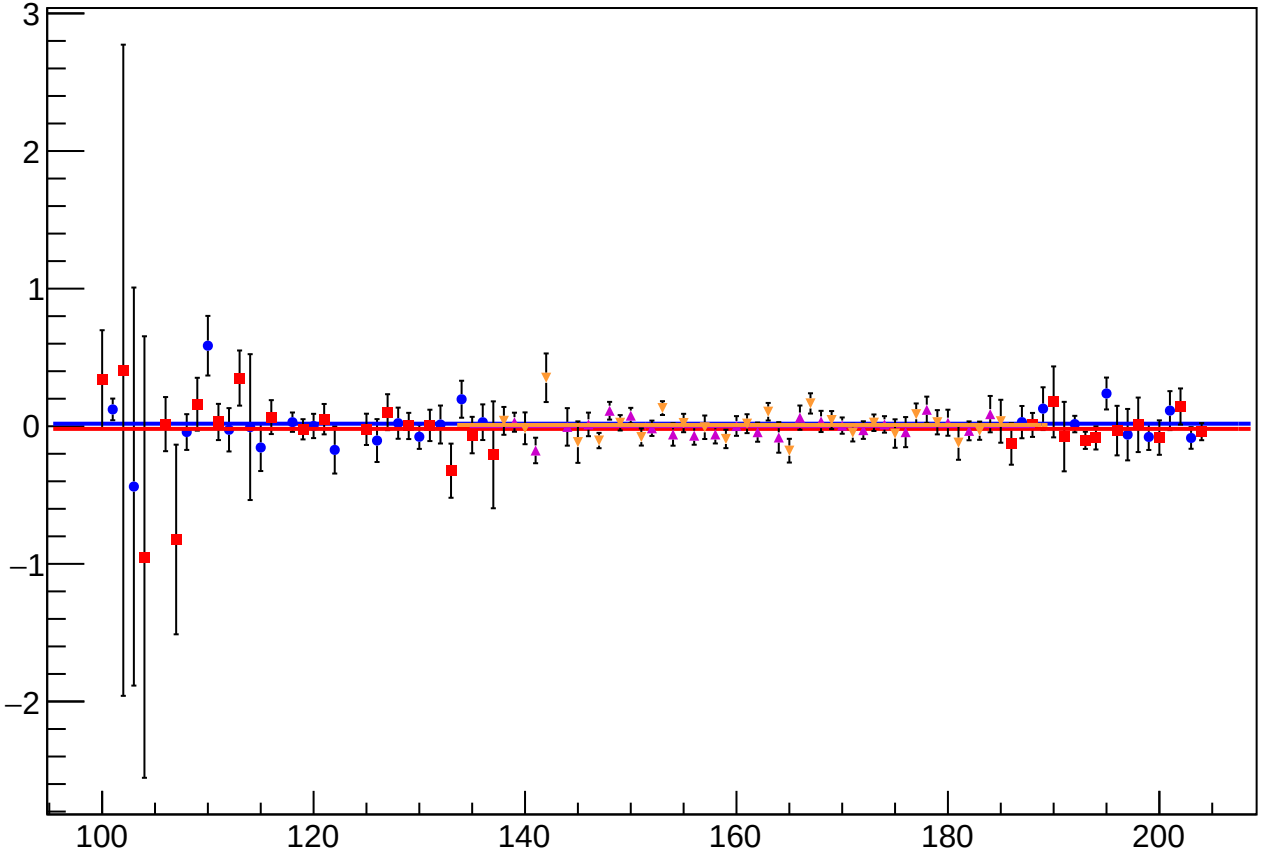
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 19765055.4/47

All: 0.001+/-0.000 χ^2/NDF: 38231652.3/99

- sign 0.001+/-0.000 χ^2/NDF: 18438919.7/51

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.023 χ^2/NDF: 22.3/23

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.019+/-0.023 χ^2/NDF: 17.4/28

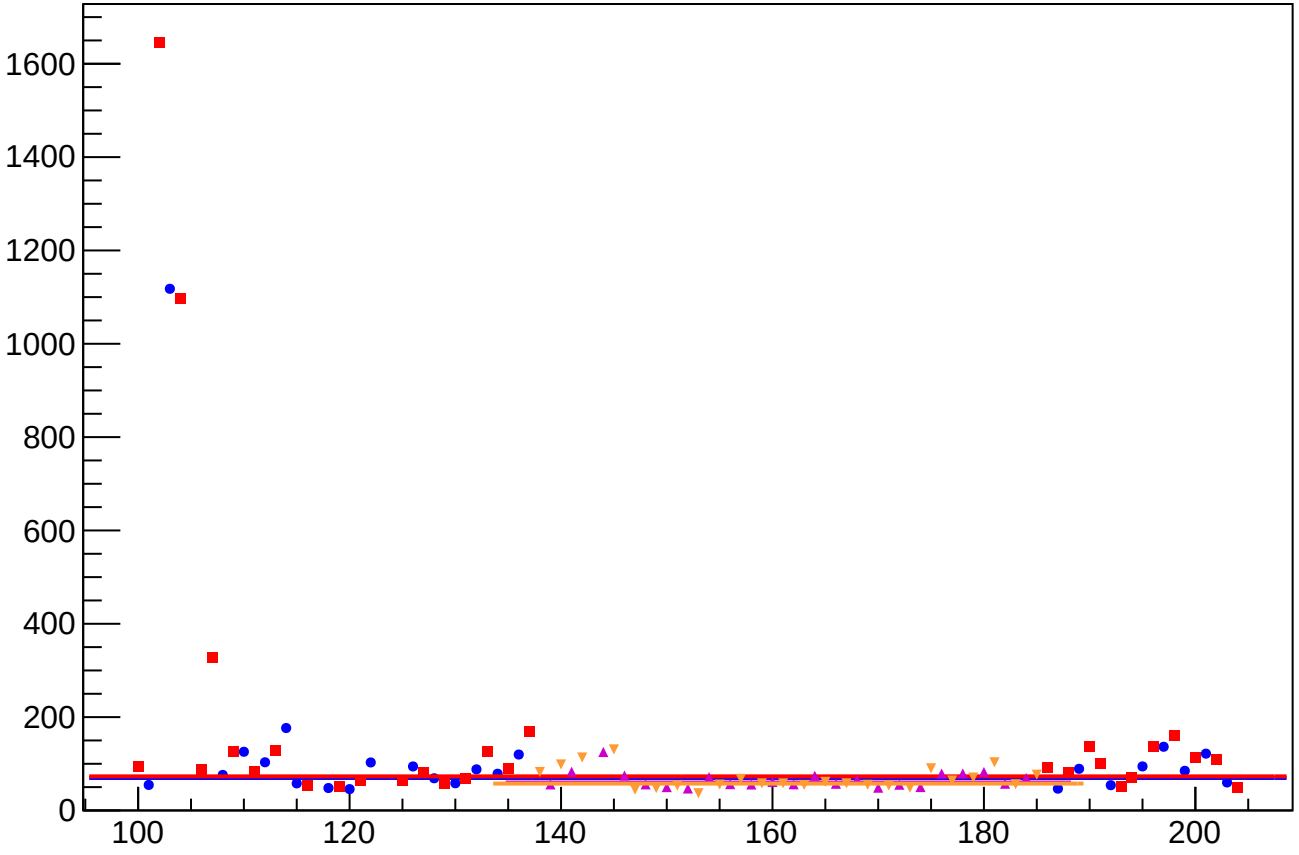
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.012+/-0.013 χ^2/NDF: 57.1/47

All: 0.003+/-0.009 χ^2/NDF: 91.6/99

- sign -0.006+/-0.013 χ^2/NDF: 33.5/51

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.633+/-0.016 χ^2/NDF: 3223969.3/23

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 73.044+/-0.016 χ^2/NDF: 4664649.9/28

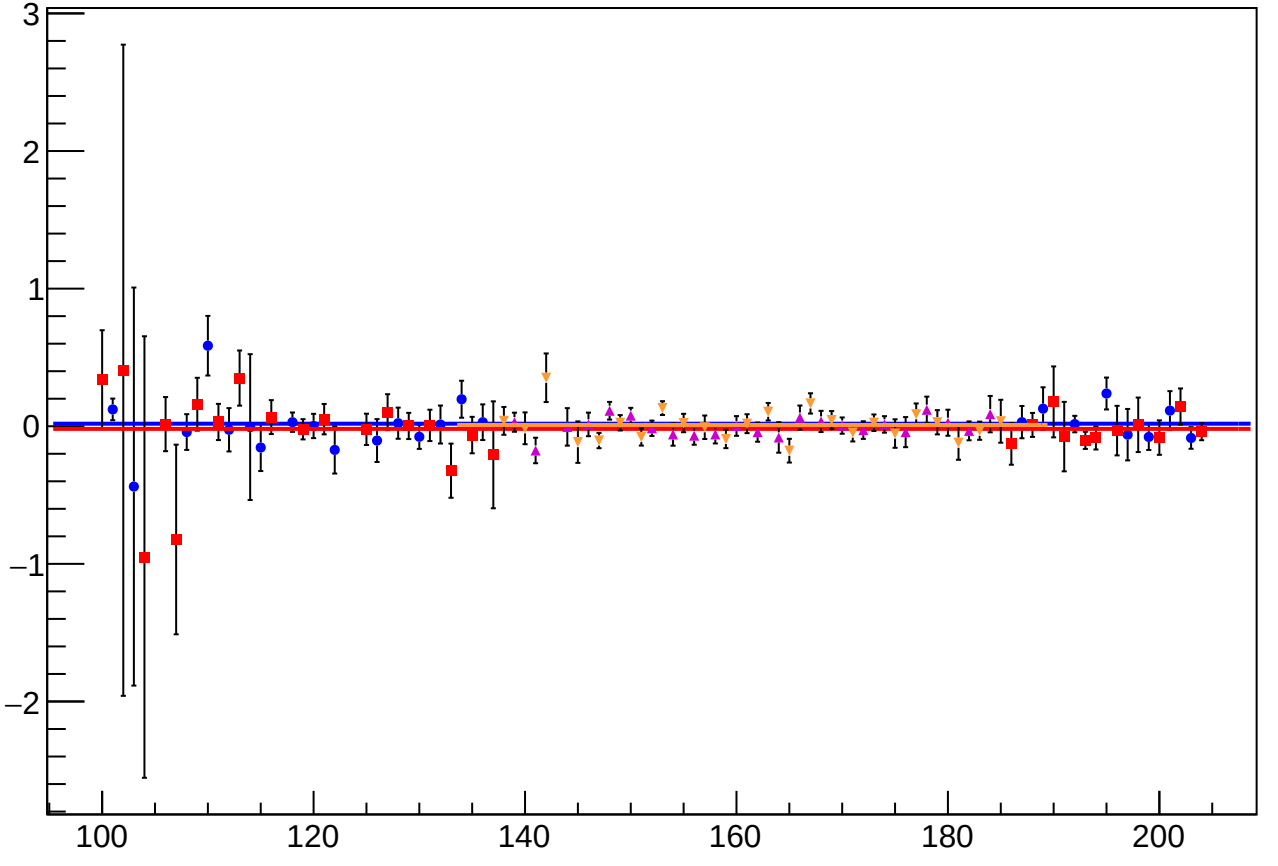
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.270+/-0.009 χ^2/NDF: 5823393.9/47

All: 62.622+/-0.006 χ^2/NDF: 12337040.3/99

- sign 64.018+/-0.009 χ^2/NDF: 6466819.7/51

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019+/-0.023 χ^2/NDF: 22.3/23

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.019+/-0.023 χ^2/NDF: 17.4/28

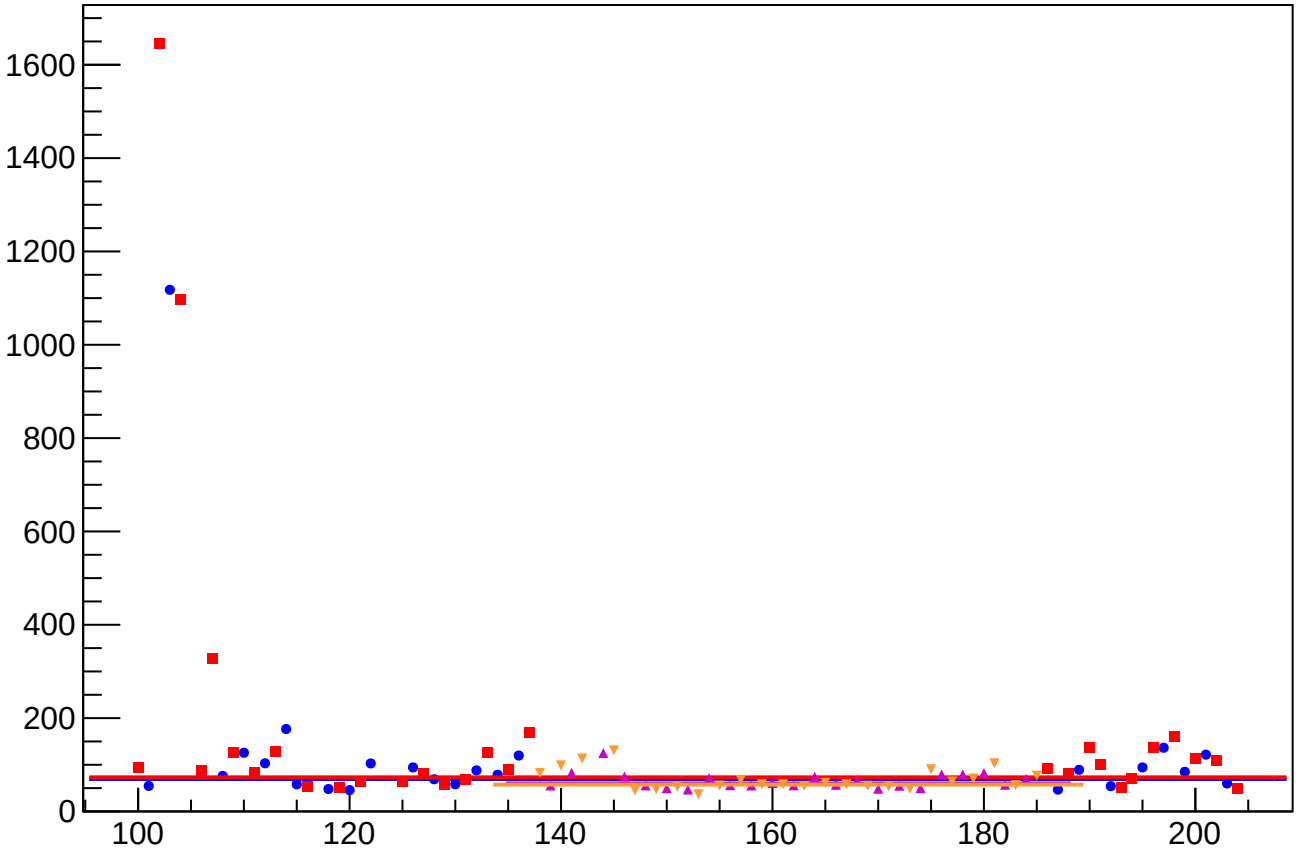
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.012+/-0.013 χ^2/NDF: 57.1/47

All: 0.003+/-0.009 χ^2/NDF: 91.6/99

- sign -0.006+/-0.013 χ^2/NDF: 33.5/51

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.633+/-0.016 χ^2/NDF: 3223969.3/23

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 73.044+/-0.016 χ^2/NDF: 4664649.9/28

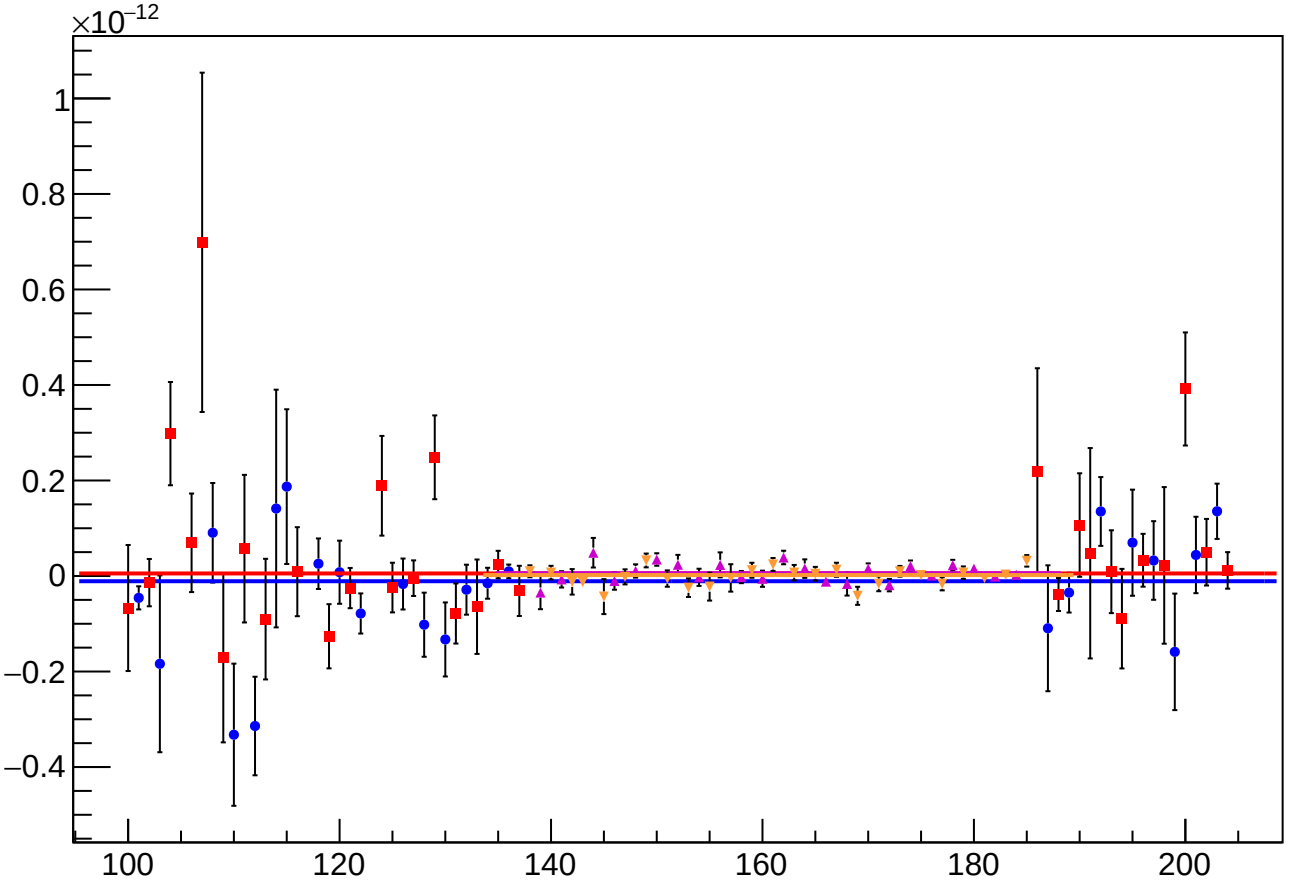
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.270+/-0.009 χ^2/NDF: 5823393.9/47

All: 62.622+/-0.006 χ^2/NDF: 12337040.3/99

- sign 64.018+/-0.009 χ^2/NDF: 6466819.7/51

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 42.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

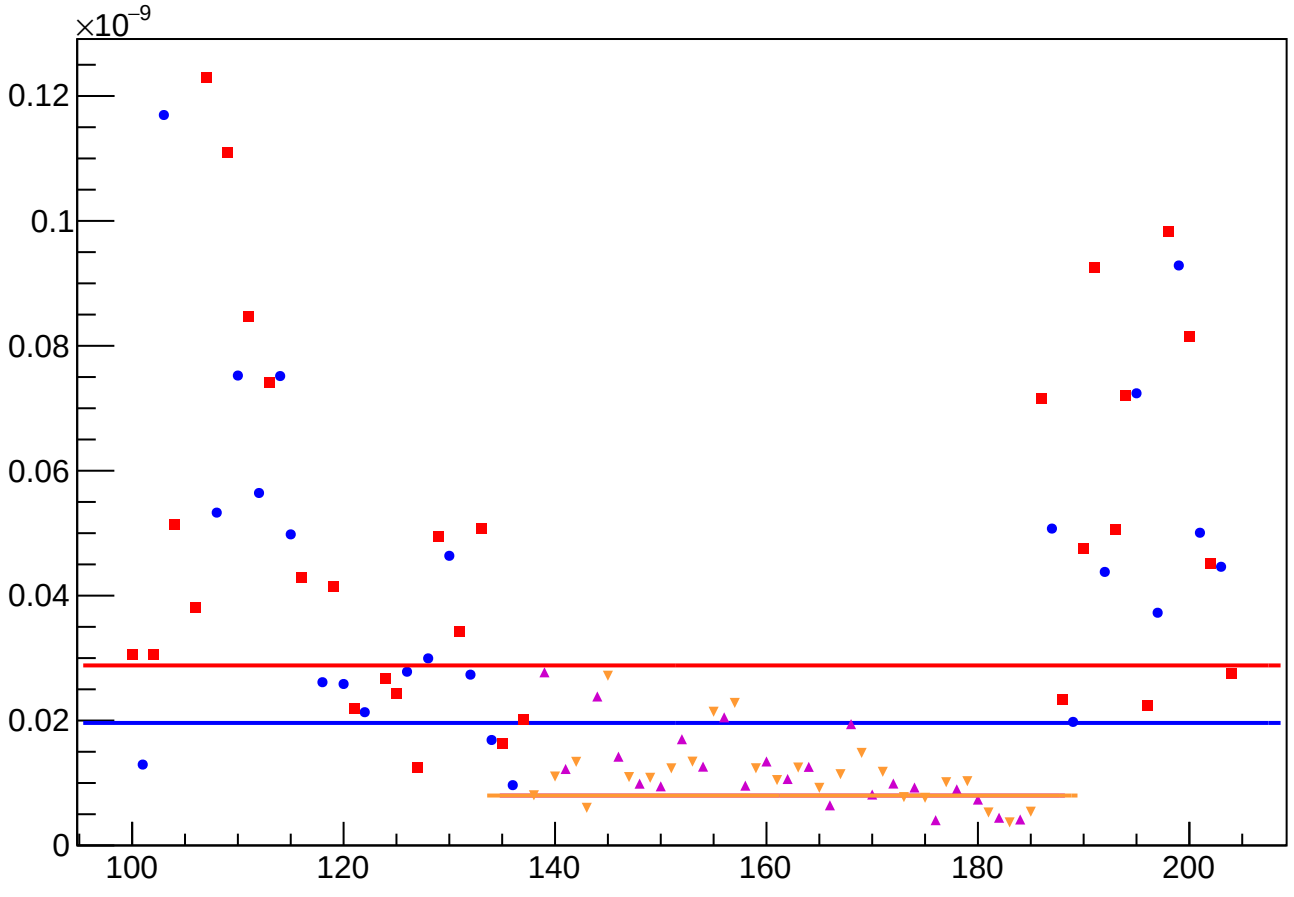
Right Out: 0.000+/-0.000 χ^2/NDF: 48.1/29

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.5/48

All: 0.000+/-0.000 χ^2/NDF: 159.0/101

- sign 0.000+/-0.000 χ^2/NDF: 80.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 5274730.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4133790.2/29

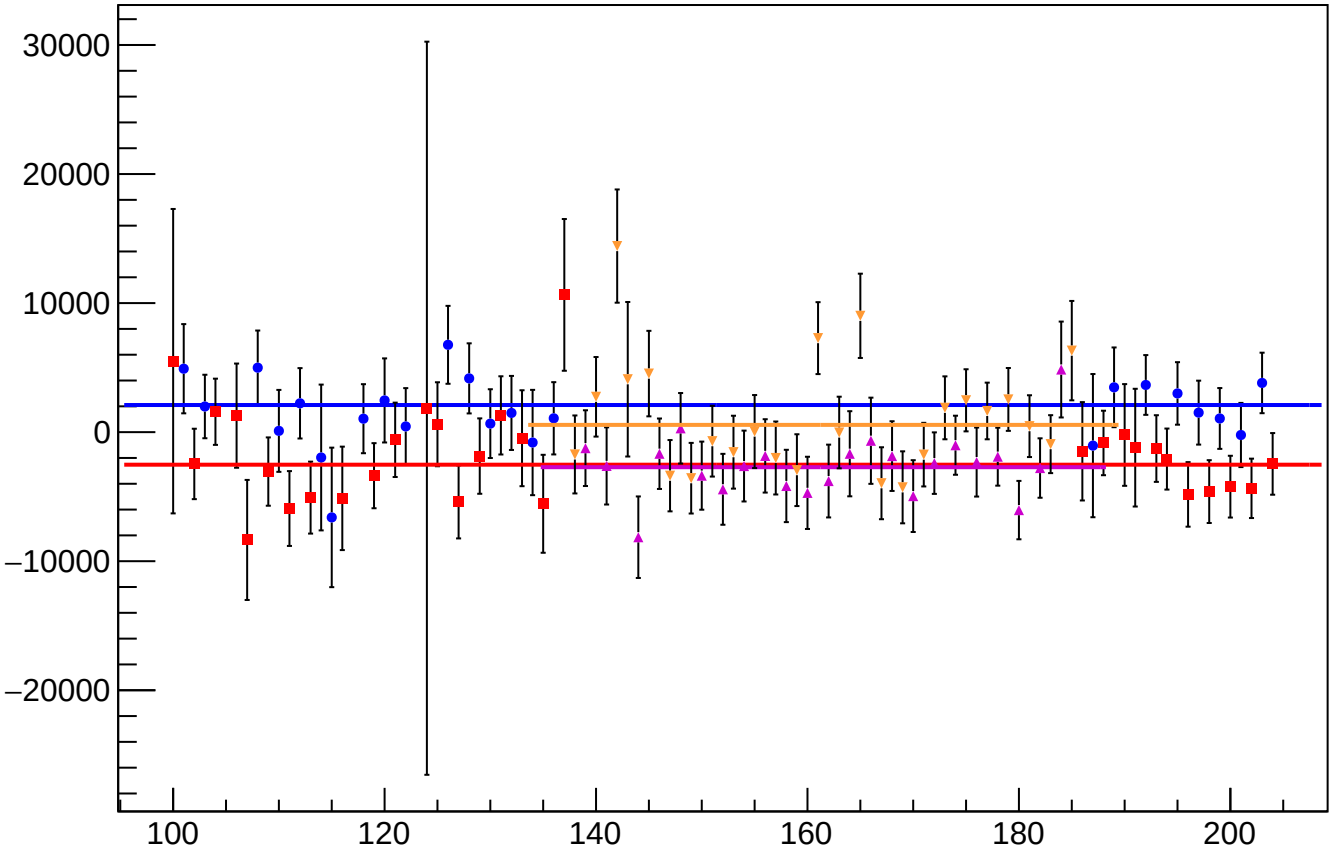
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13092030.1/48

All: 0.000+/-0.000 χ^2/NDF: 28579522.8/101

- sign 0.000+/-0.000 χ^2/NDF: 15481355.2/52

reg_asym_atl2_mean vs Slug



Right In: 2102.086+/-587.971 χ^2/NDF: 12.4/23

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2522.370+/-551.591 χ^2/NDF: 22.2/29

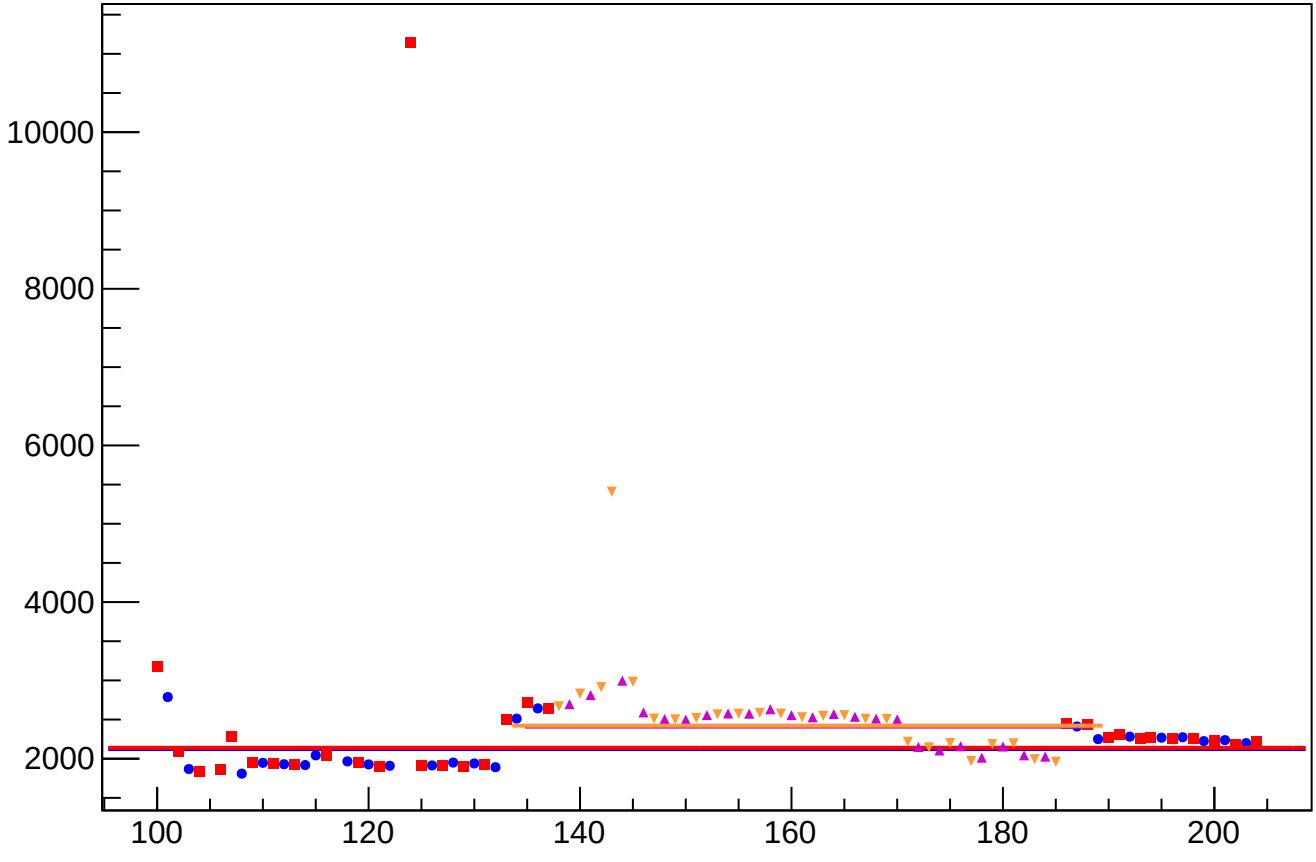
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1291.056+/-404.485 χ^2/NDF: 59.9/48

All: -708.718+/-282.637 χ^2/NDF: 144.3/101

- sign -2616.752+/-395.098 χ^2/NDF: 36.6/52

reg_asym_atl2_rms vs Slug



Right In: 2123.099+/-0.416 χ^2/NDF: 332885.3/23

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2139.417+/-0.390 χ^2/NDF: 512815.5/29

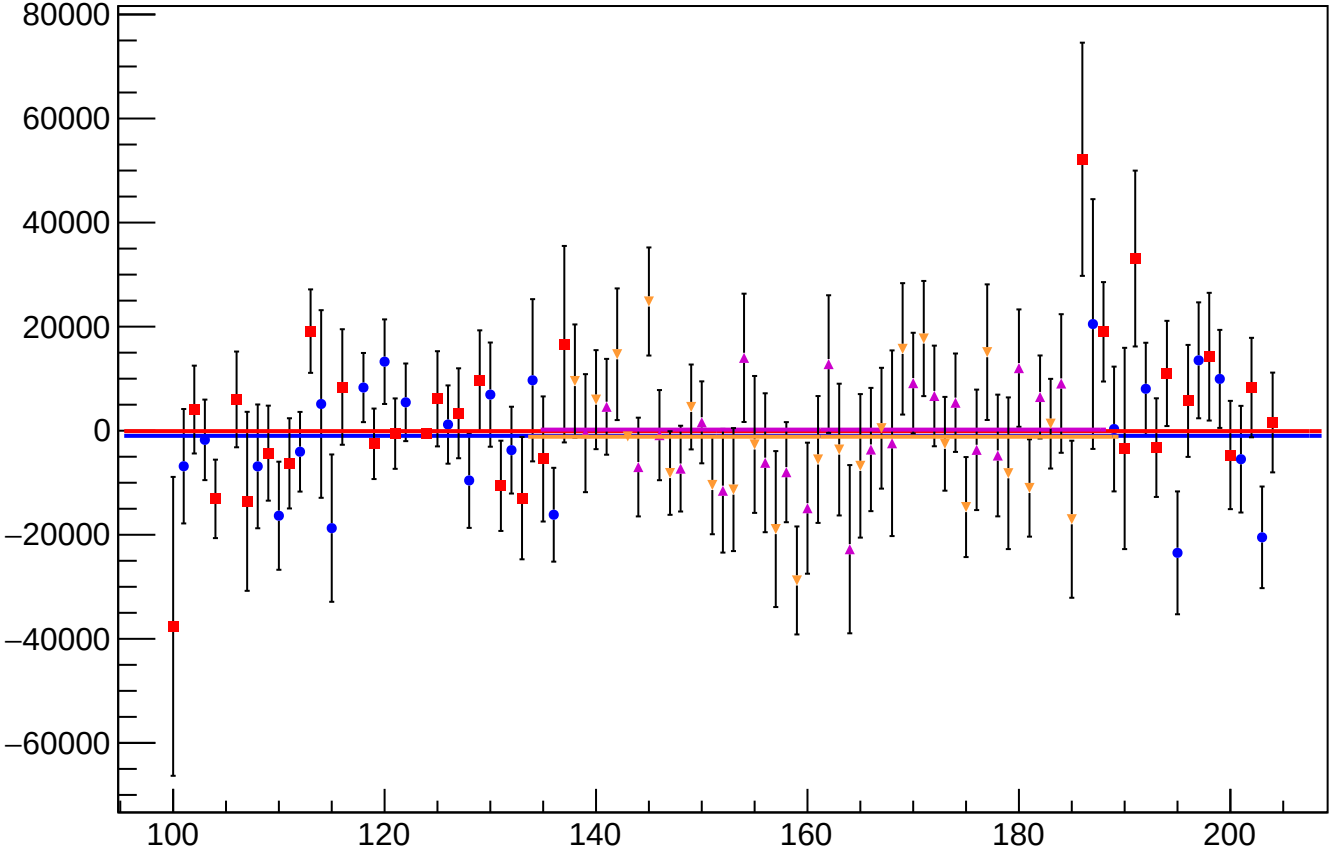
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2280.624+/-0.286 χ^2/NDF: 1558274.6/48

All: 2275.742+/-0.200 χ^2/NDF: 2734059.8/10

- sign 2271.085+/-0.279 χ^2/NDF: 1175216.0/52

asym_atl2_reg_correction_mean vs Slug



Right In: -985.207+/-1959.001 χ^2/NDF: 28.0/23

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -80.636+/-749.421 χ^2/NDF: 36.0/29

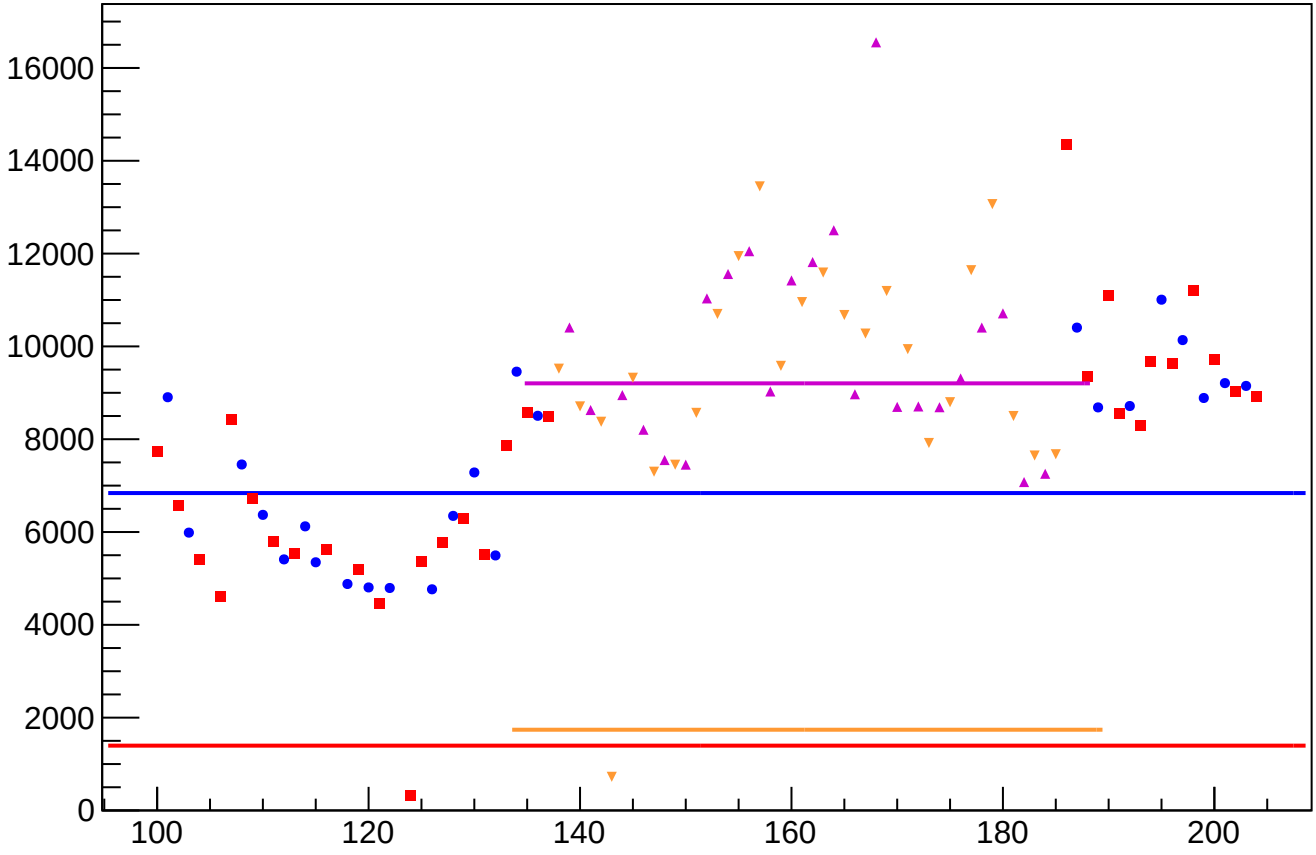
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1135.695+/-706.761 χ^2/NDF: 60.0/48

All: -594.902+/-500.625 χ^2/NDF: 110.6/101

- sign -50.331+/-709.226 χ^2/NDF: 49.4/52

asym_atl2_reg_correction_rms vs Slug



Right In: 6839.608+/-1.385 χ^2/NDF: 1905620.6/23

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1396.593+/-0.530 χ^2/NDF: 23545588.5/29

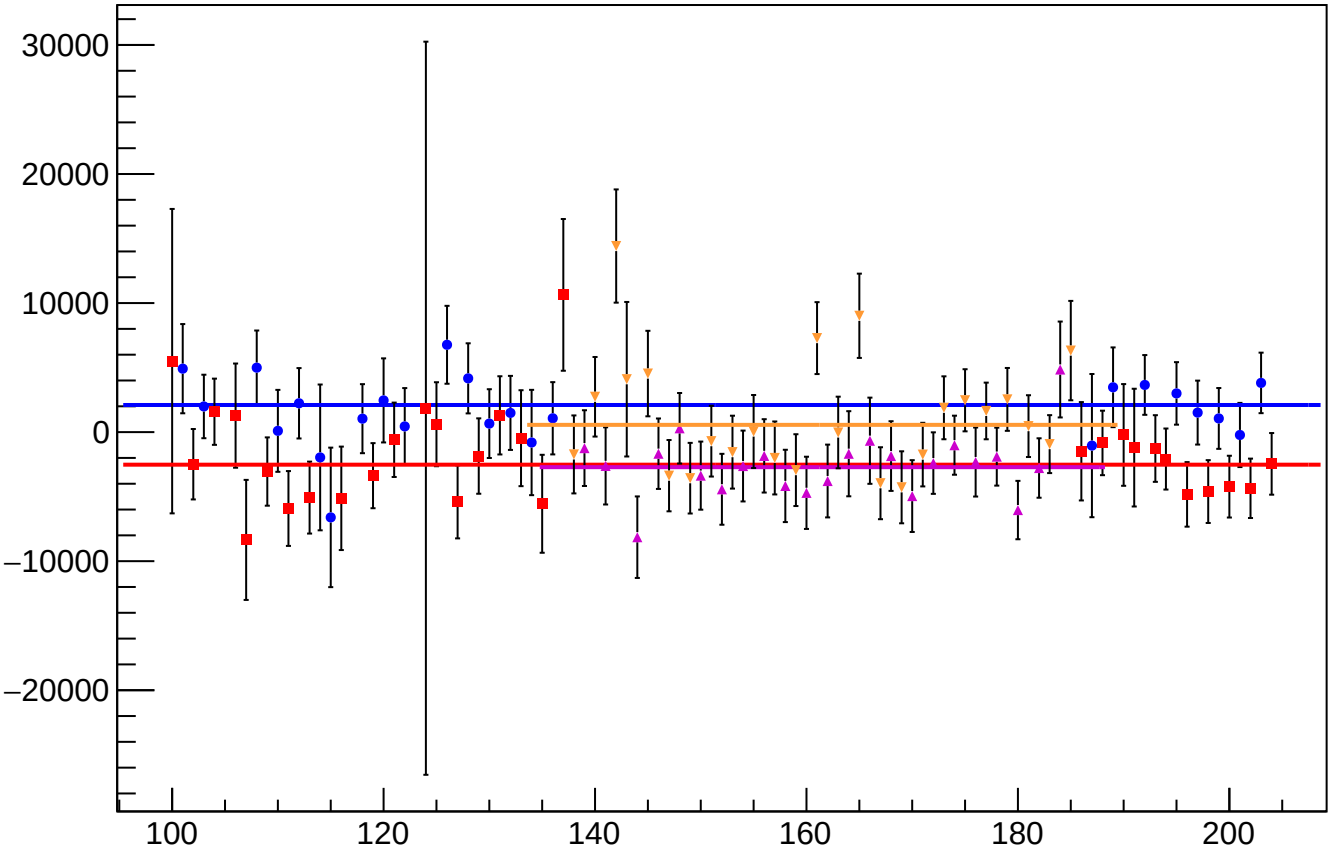
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2403.495+/-0.500 χ^2/NDF: 41430006.3/48

All: 2307.889+/-0.354 χ^2/NDF: 88980151.9/1

- sign 2211.616+/-0.501 χ^2/NDF: 47476695.3/52

cor_asym_atl2_mean vs Slug



Right In: 2102.113+/-587.971 χ^2/NDF: 12.4/23

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2523.348+/-551.594 χ^2/NDF: 22.2/29

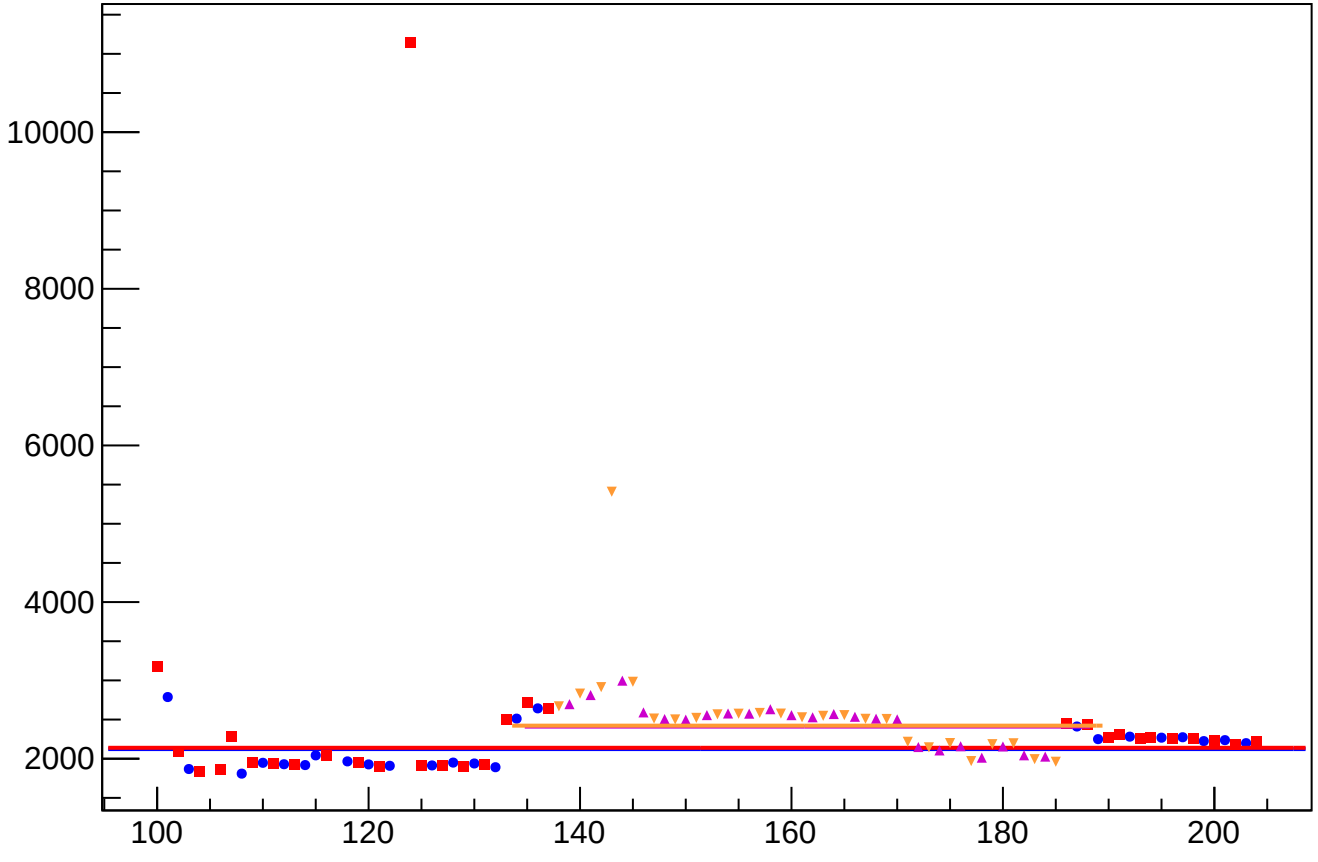
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1291.070+/-404.485 χ^2/NDF: 59.9/48

All: -708.954+/-282.637 χ^2/NDF: 144.3/101

- sign -2617.236+/-395.099 χ^2/NDF: 36.6/52

cor_asym_atl2_rms vs Slug



Right In: 2123.099+/-0.416 χ^2/NDF: 332885.2/23

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2139.430+/-0.390 χ^2/NDF: 512808.4/29

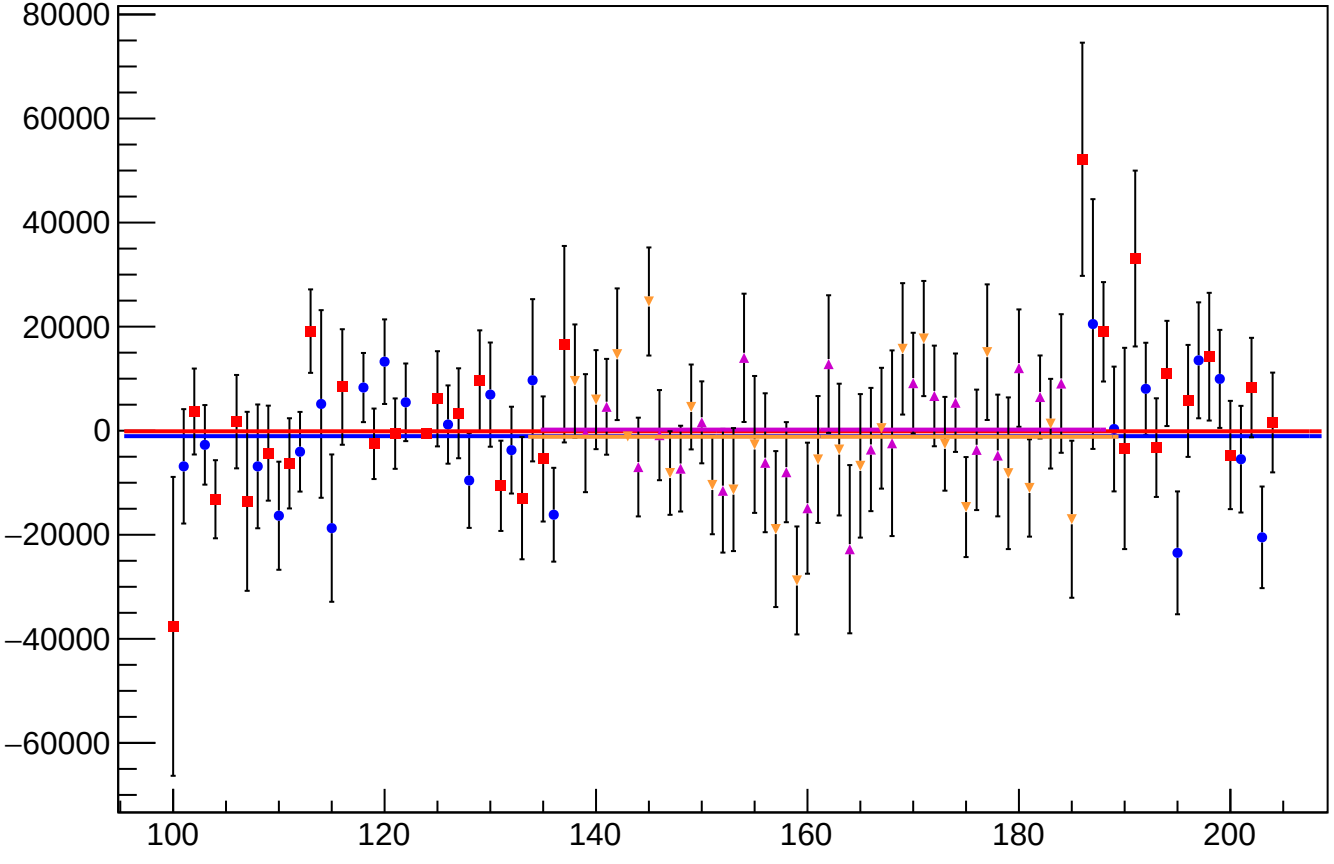
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2280.624+/-0.286 χ^2/NDF: 1558274.7/48

All: 2275.746+/-0.200 χ^2/NDF: 2734028.7/10

- sign 2271.092+/-0.279 χ^2/NDF: 1175185.7/52

asym_atl2_cor_correction_mean vs Slug



Right In: -1049.851+/-1957.506 χ^2/NDF: 28.1/23

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -112.682+/-749.106 χ^2/NDF: 35.6/29

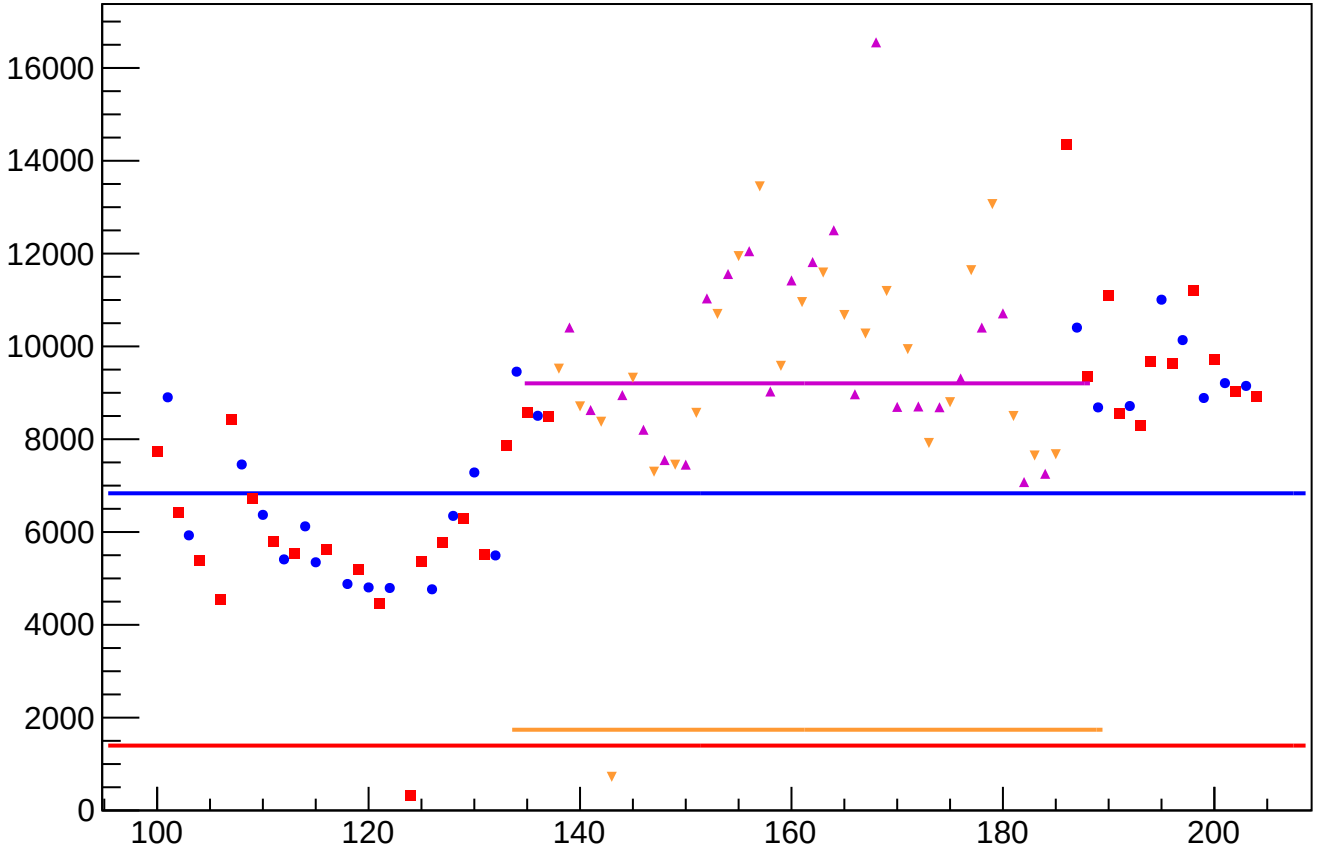
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1143.884+/-706.638 χ^2/NDF: 60.0/48

All: -613.224+/-500.487 χ^2/NDF: 110.2/101

- sign -79.073+/-708.958 χ^2/NDF: 49.1/52

asym_atl2_cor_correction_rms vs Slug



Right In: 6834.448+/-1.384 χ^2/NDF: 1909608.3/23

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1397.890+/-0.530 χ^2/NDF: 23537417.3/29

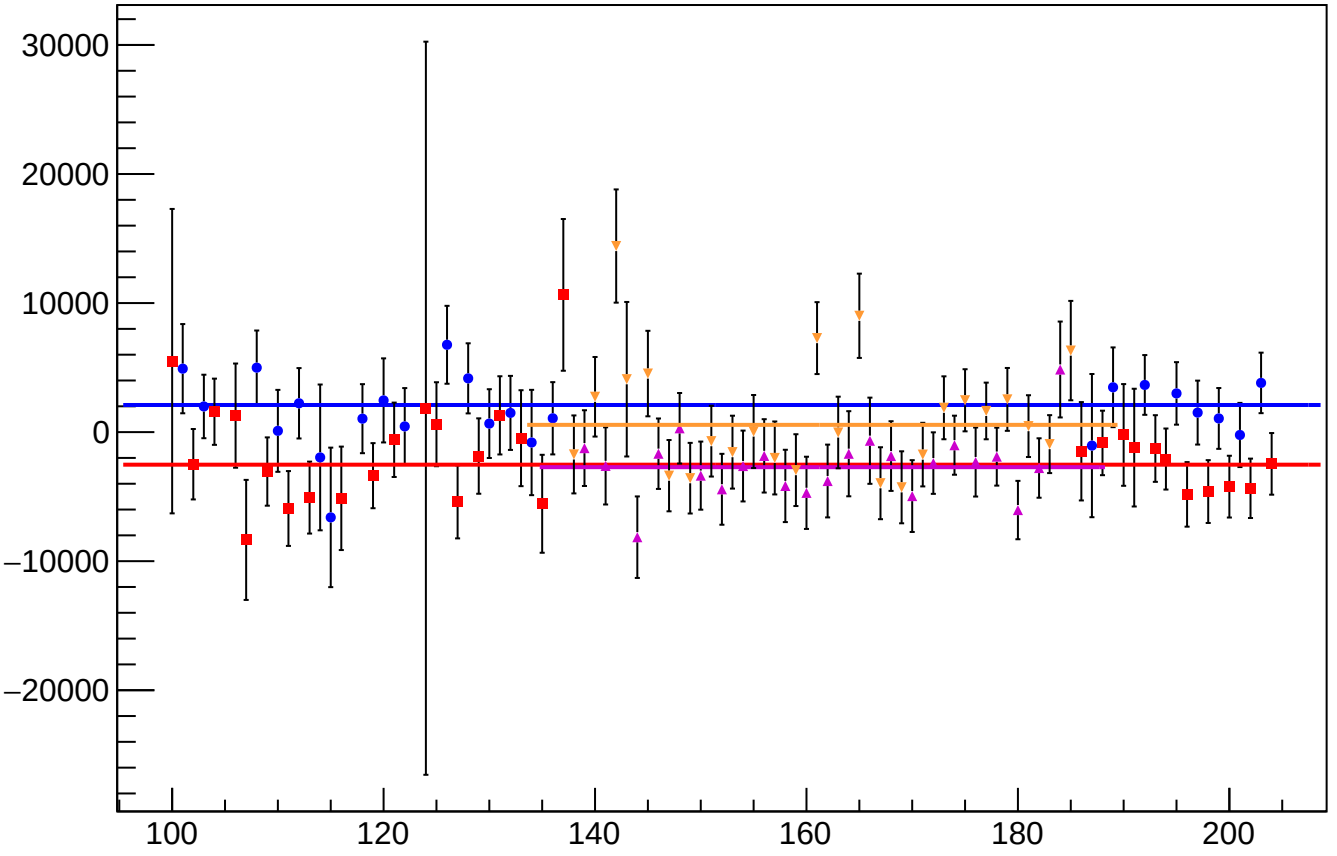
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2403.402+/-0.500 χ^2/NDF: 41428176.6/48

All: 2308.097+/-0.354 χ^2/NDF: 88964146.1/1

- sign 2212.164+/-0.501 χ^2/NDF: 47462969.1/52

eigen_cor_asym_atl2_mean vs Slug



Right In: 2102.113+/-587.971 χ^2/NDF: 12.4/23

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2523.348+/-551.594 χ^2/NDF: 22.2/29

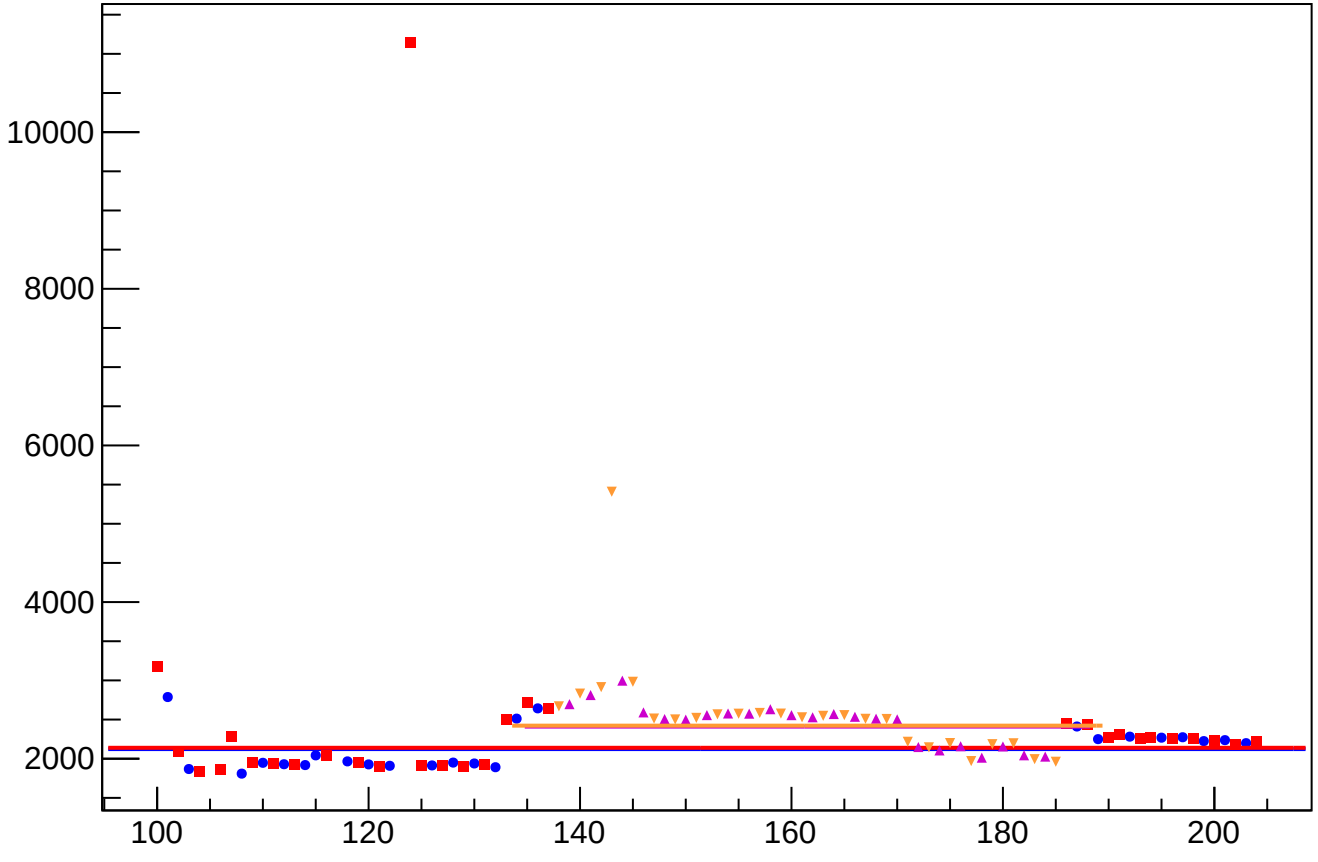
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1291.070+/-404.485 χ^2/NDF: 59.9/48

All: -708.954+/-282.637 χ^2/NDF: 144.3/101

- sign -2617.236+/-395.099 χ^2/NDF: 36.6/52

eigen_cor_asym_atl2_rms vs Slug



Right In: 2123.099+/-0.416 χ^2/NDF: 332885.2/23

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2139.430+/-0.390 χ^2/NDF: 512808.4/29

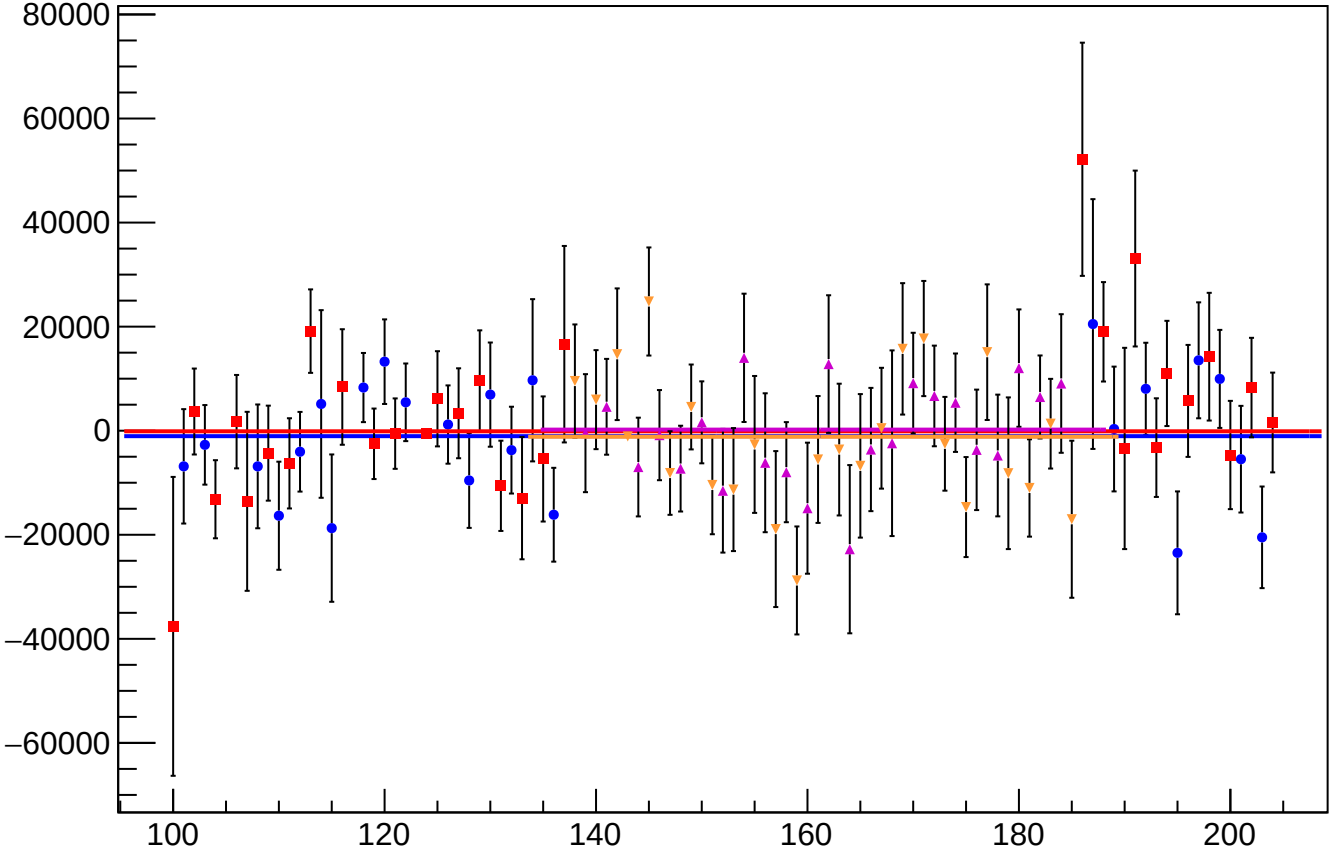
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2280.624+/-0.286 χ^2/NDF: 1558274.7/48

All: 2275.746+/-0.200 χ^2/NDF: 2734028.7/10

- sign 2271.092+/-0.279 χ^2/NDF: 1175185.7/52

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1049.851+/-1957.506 χ^2/NDF: 28.1/23

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -112.682+/-749.106 χ^2/NDF: 35.6/29

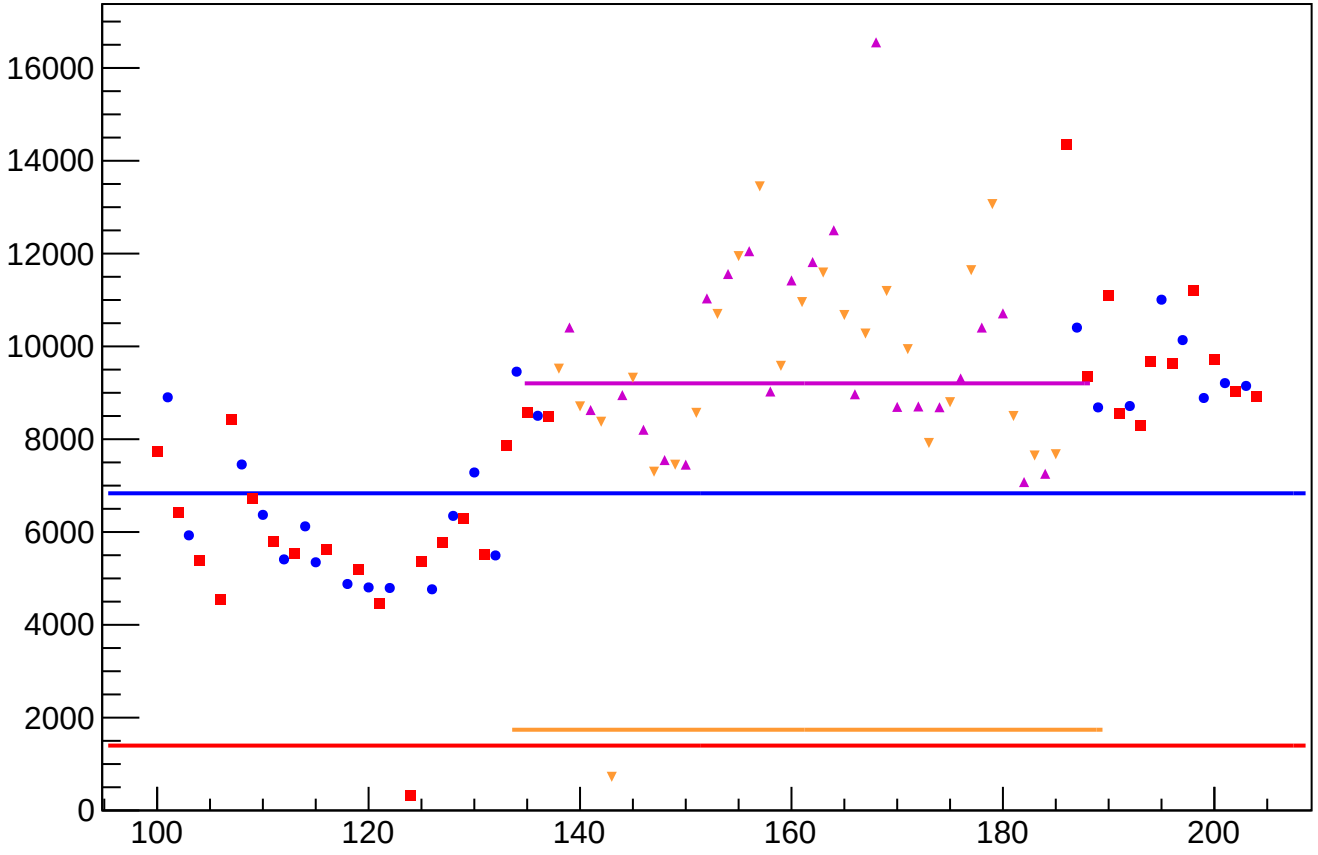
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1143.884+/-706.638 χ^2/NDF: 60.0/48

All: -613.224+/-500.487 χ^2/NDF: 110.2/101

- sign -79.073+/-708.958 χ^2/NDF: 49.1/52

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 6834.448+/-1.384 χ^2/NDF: 1909608.3/23

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1397.890+/-0.530 χ^2/NDF: 23537417.3/29

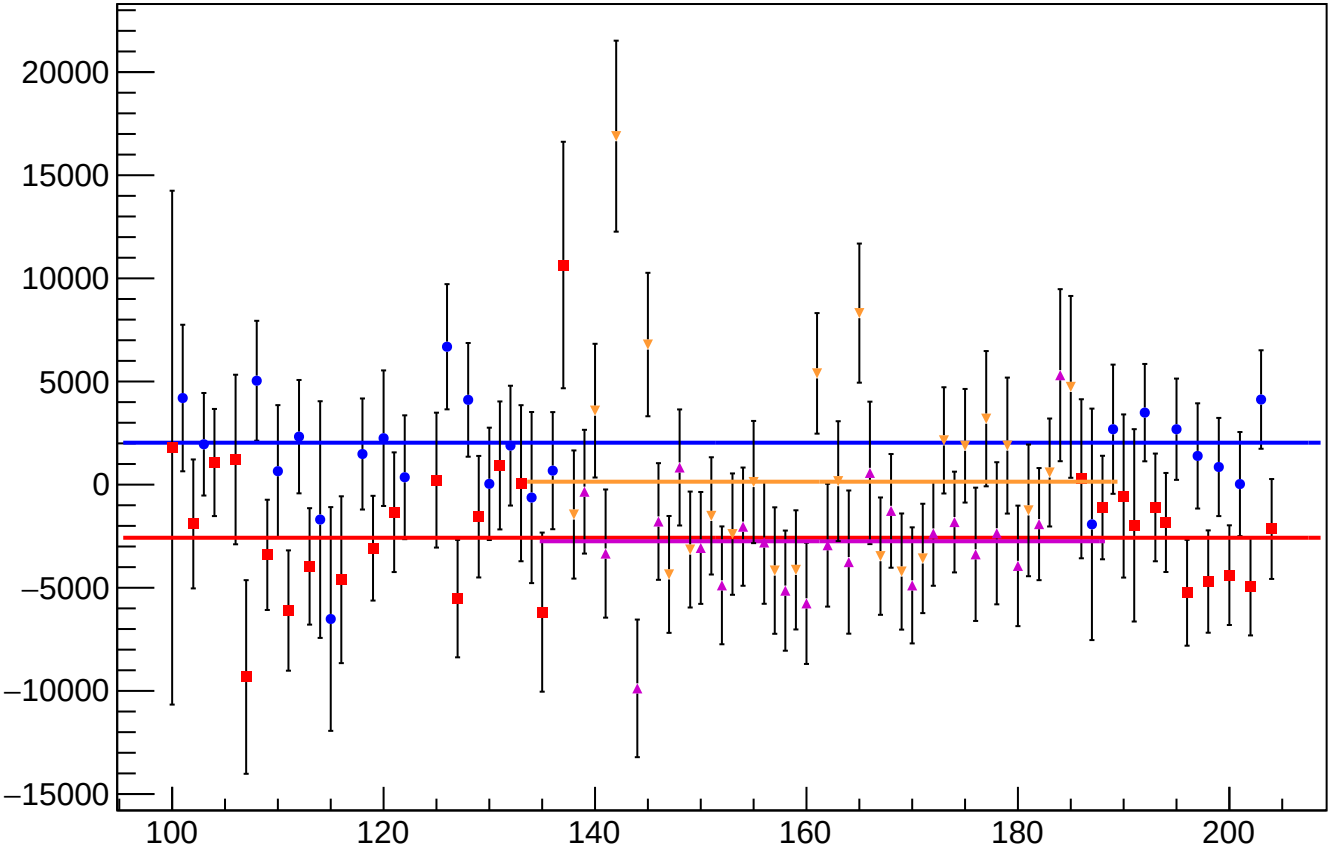
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2403.402+/-0.500 χ^2/NDF: 41428176.6/48

All: 2308.097+/-0.354 χ^2/NDF: 88964146.1/1

- sign 2212.164+/-0.501 χ^2/NDF: 47462969.1/52

dit_asym_atl2_mean vs Slug



Right In: 2033.058+/-596.212 χ^2/NDF: 11.7/23

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2575.439+/-561.458 χ^2/NDF: 21.8/28

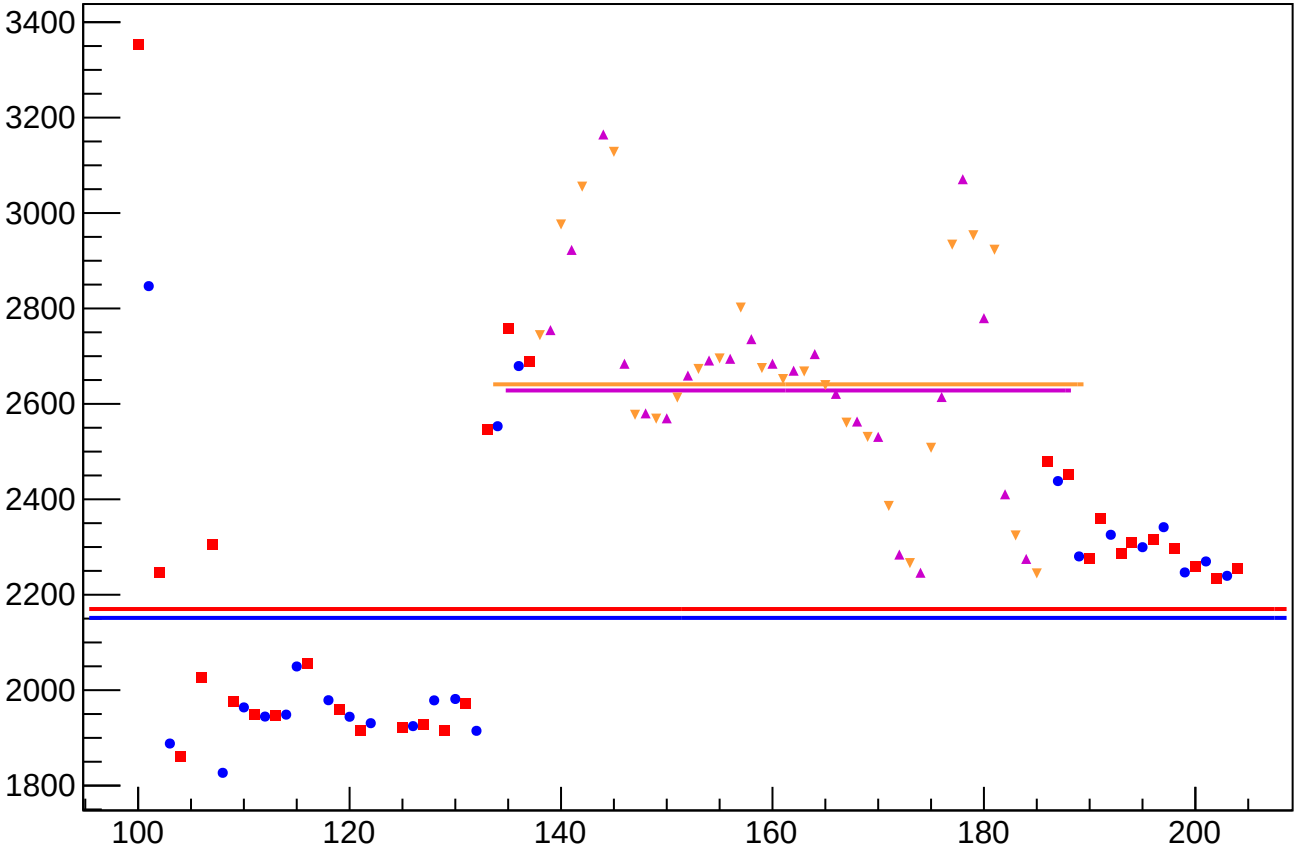
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1118.217+/-428.320 χ^2/NDF: 62.4/47

All: -826.873+/-298.045 χ^2/NDF: 139.6/99

- sign -2652.811+/-414.994 χ^2/NDF: 37.3/51

dit_asym_atl2_rms vs Slug



Right In: 2151.466+/-0.422 χ^2/NDF: 348651.6/23

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2170.081+/-0.397 χ^2/NDF: 319526.8/28

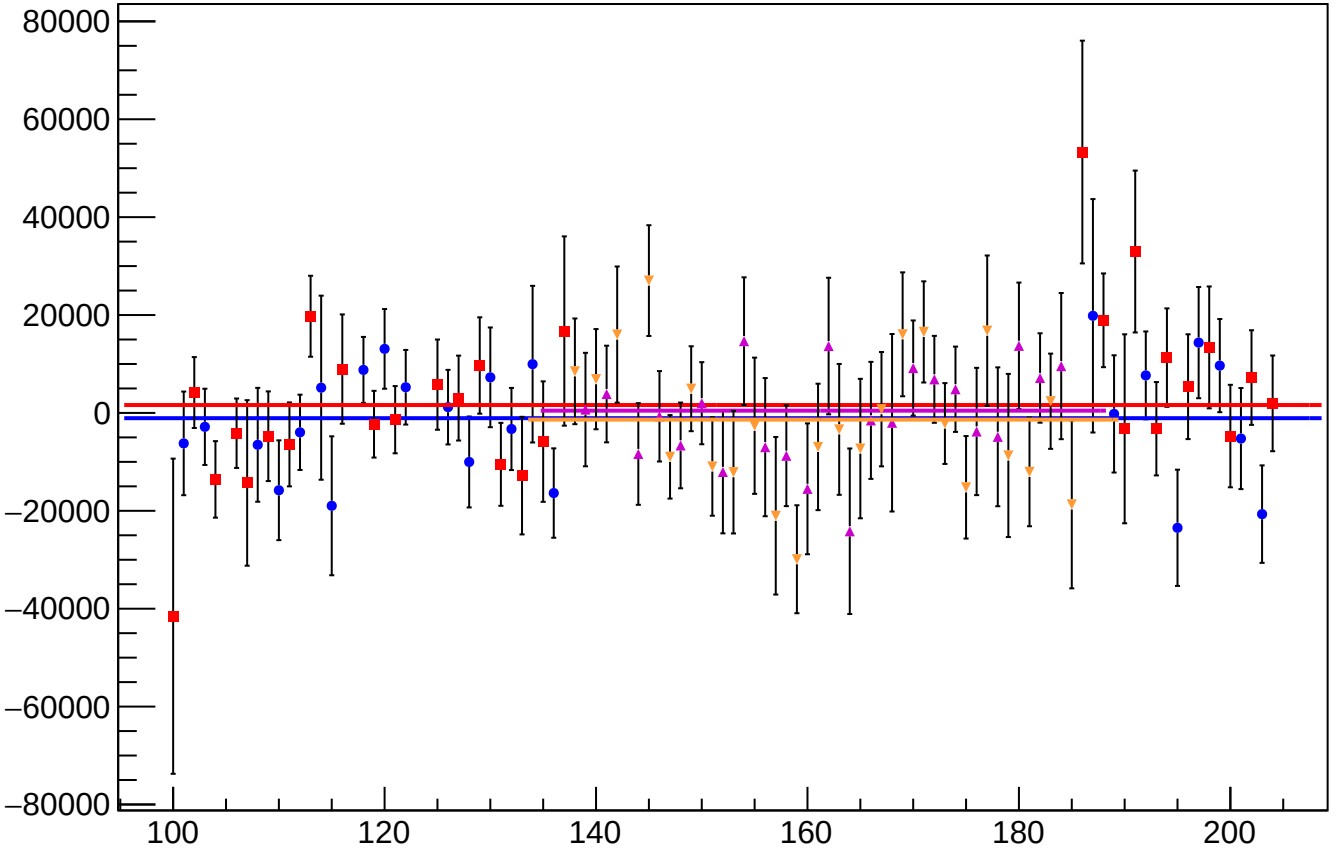
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2388.346+/-0.303 χ^2/NDF: 1254480.9/47

All: 2382.852+/-0.211 χ^2/NDF: 2416451.9/99

- sign 2377.698+/-0.293 χ^2/NDF: 1161333.2/51

asym_atl2_dit_correction_mean vs Slug



Right In: -1074.403+/-1974.882 χ^2/NDF: 27.8/23

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 1612.686+/-1820.665 χ^2/NDF: 34.7/28

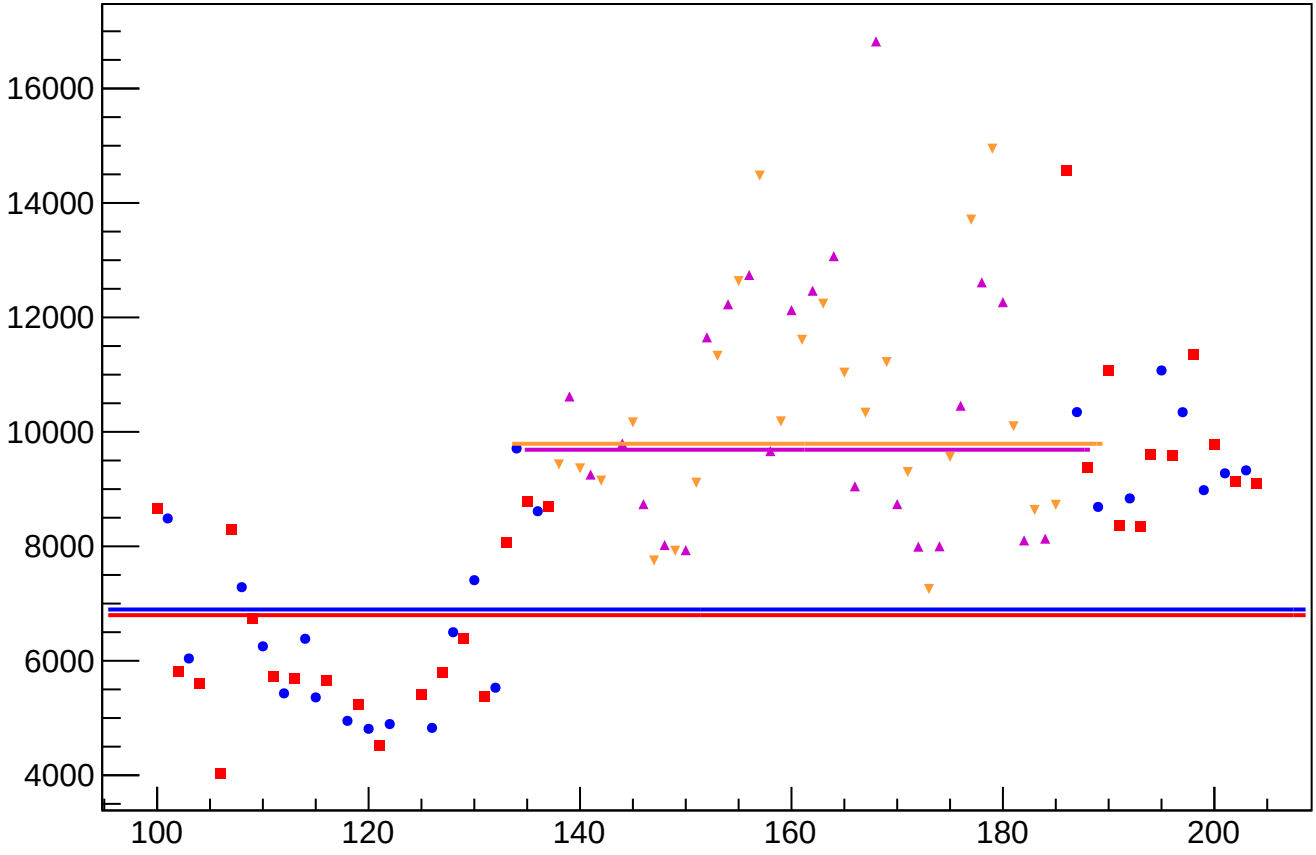
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -1196.888+/-1505.527 χ^2/NDF: 59.0/47

All: 48.446+/-1037.208 χ^2/NDF: 108.3/99

- sign 1173.503+/-1430.978 χ^2/NDF: 48.0/51

asym_atl2_dit_correction_rms vs Slug



Right In: 6896.347+/-1.396 χ^2/NDF: 1887378.4/23

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 6797.586+/-1.287 χ^2/NDF: 2543088.3/28

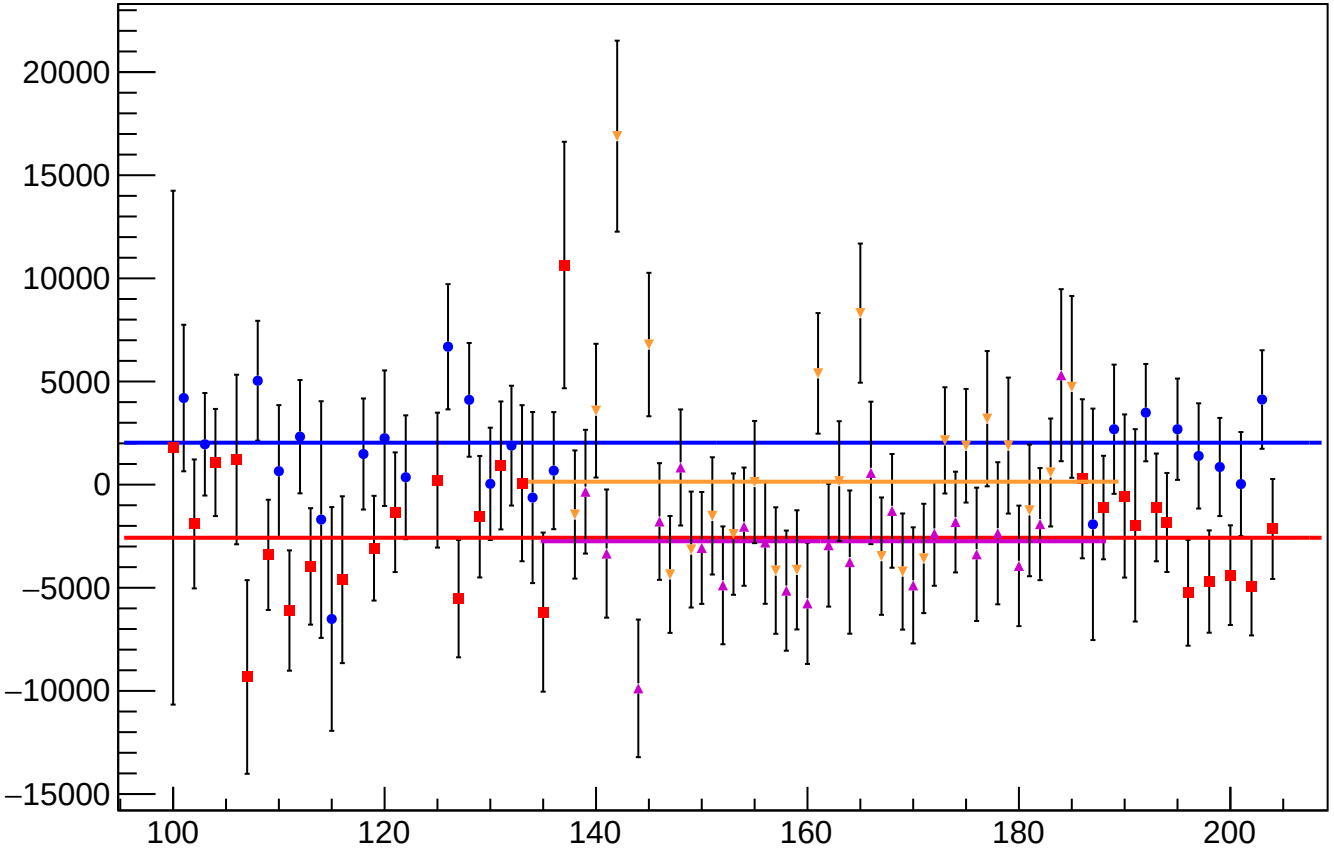
Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 8109.264+/-1.065 χ^2/NDF: 4907634.7/47

All: 8000.660+/-0.733 χ^2/NDF: 10775801.3/9

- sign 7902.546+/-1.012 χ^2/NDF: 5848356.9/51

eigen_dit_asym_atl2_mean vs Slug



Right In: 2033.053+/-596.213 χ^2/NDF: 11.7/23

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2575.441+/-561.458 χ^2/NDF: 21.8/28

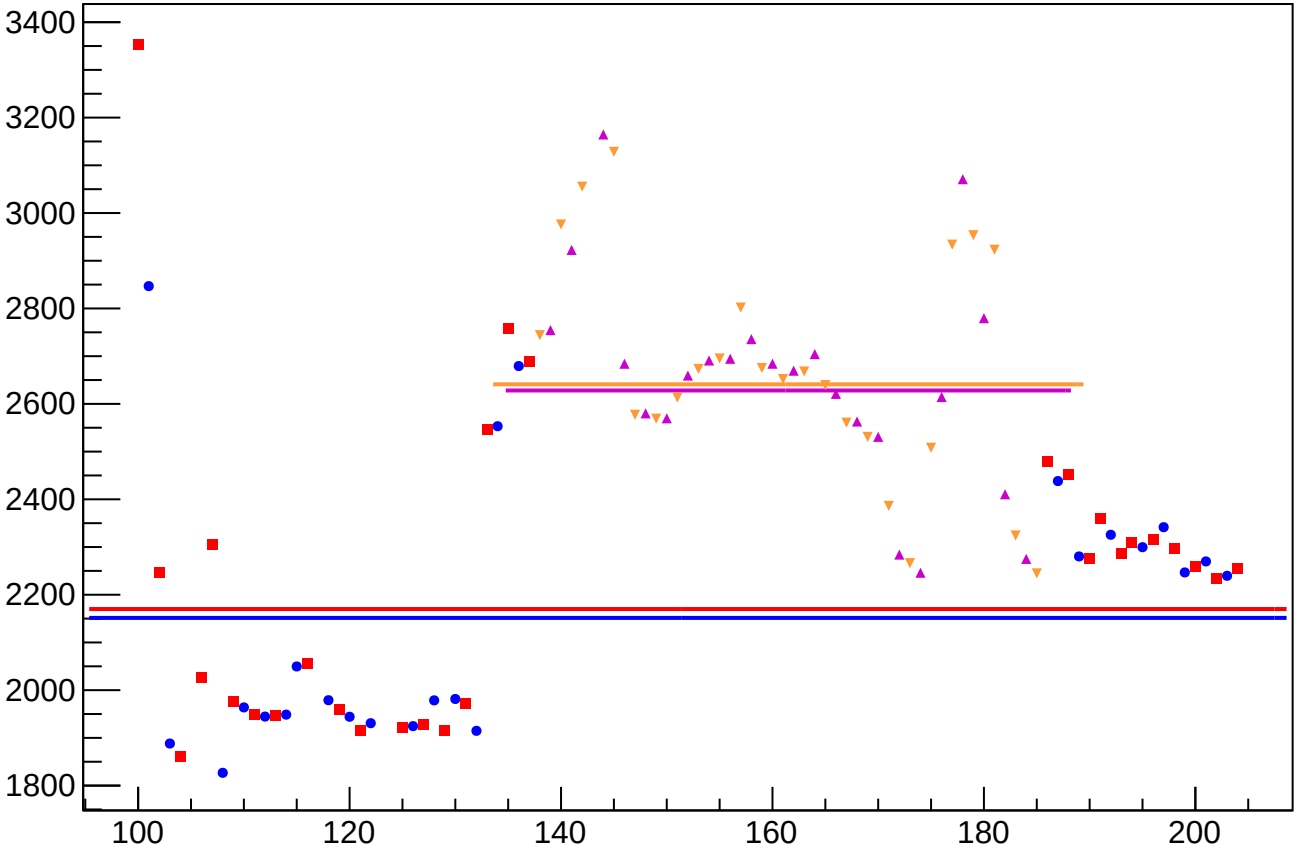
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1118.211+/-428.320 χ^2/NDF: 62.4/47

All: -826.877+/-298.045 χ^2/NDF: 139.6/99

- sign -2652.811+/-414.994 χ^2/NDF: 37.3/51

eigen_dit_asym_atl2_rms vs Slug



Right In: 2151.466+/-0.422 χ^2/NDF: 348651.8/23

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2170.081+/-0.397 χ^2/NDF: 319527.3/28

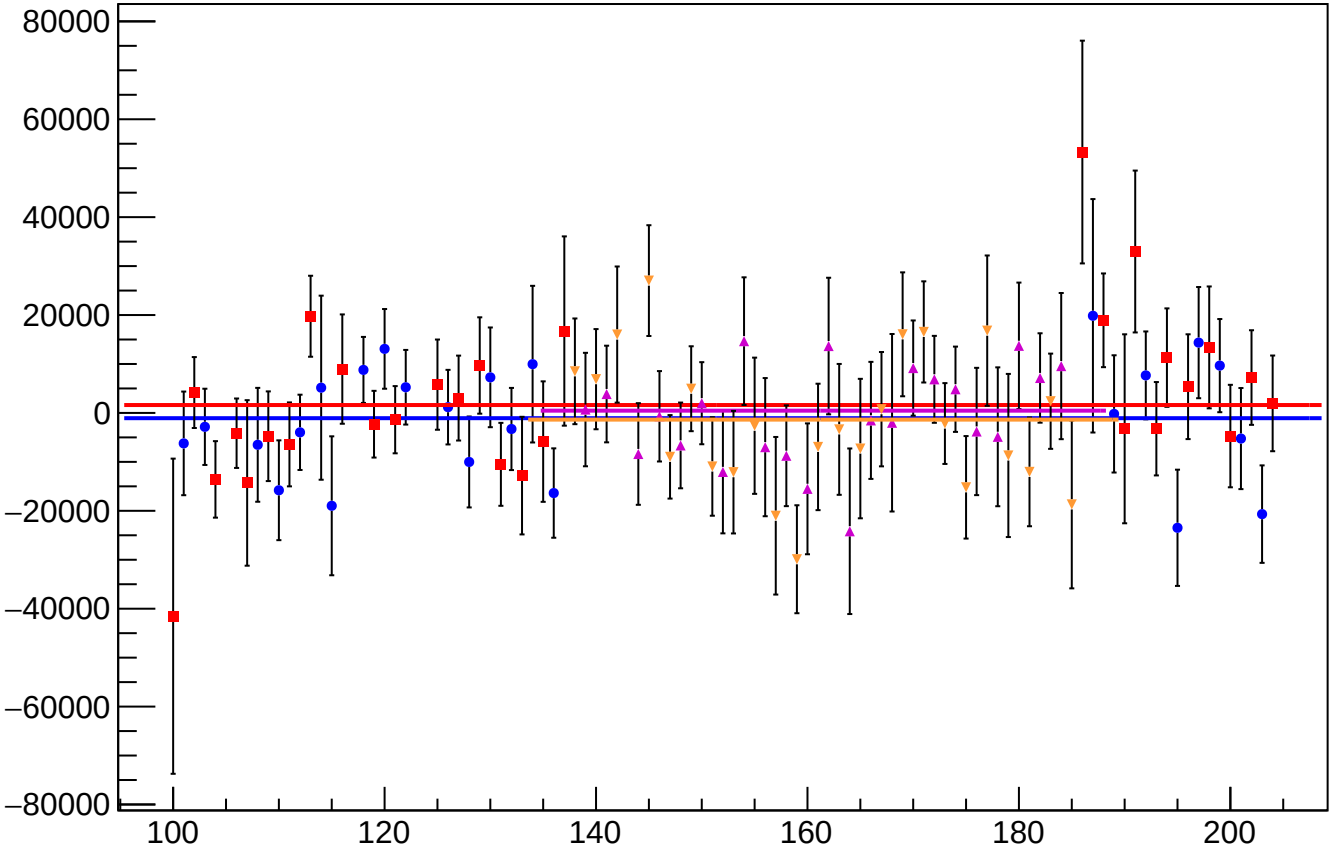
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2388.347+/-0.303 χ^2/NDF: 1254495.2/47

All: 2382.853+/-0.211 χ^2/NDF: 2416480.7/99

- sign 2377.699+/-0.293 χ^2/NDF: 1161347.7/51

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1074.390+/-1974.879 χ^2/NDF: 27.8/23

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 1612.675+/-1820.663 χ^2/NDF: 34.7/28

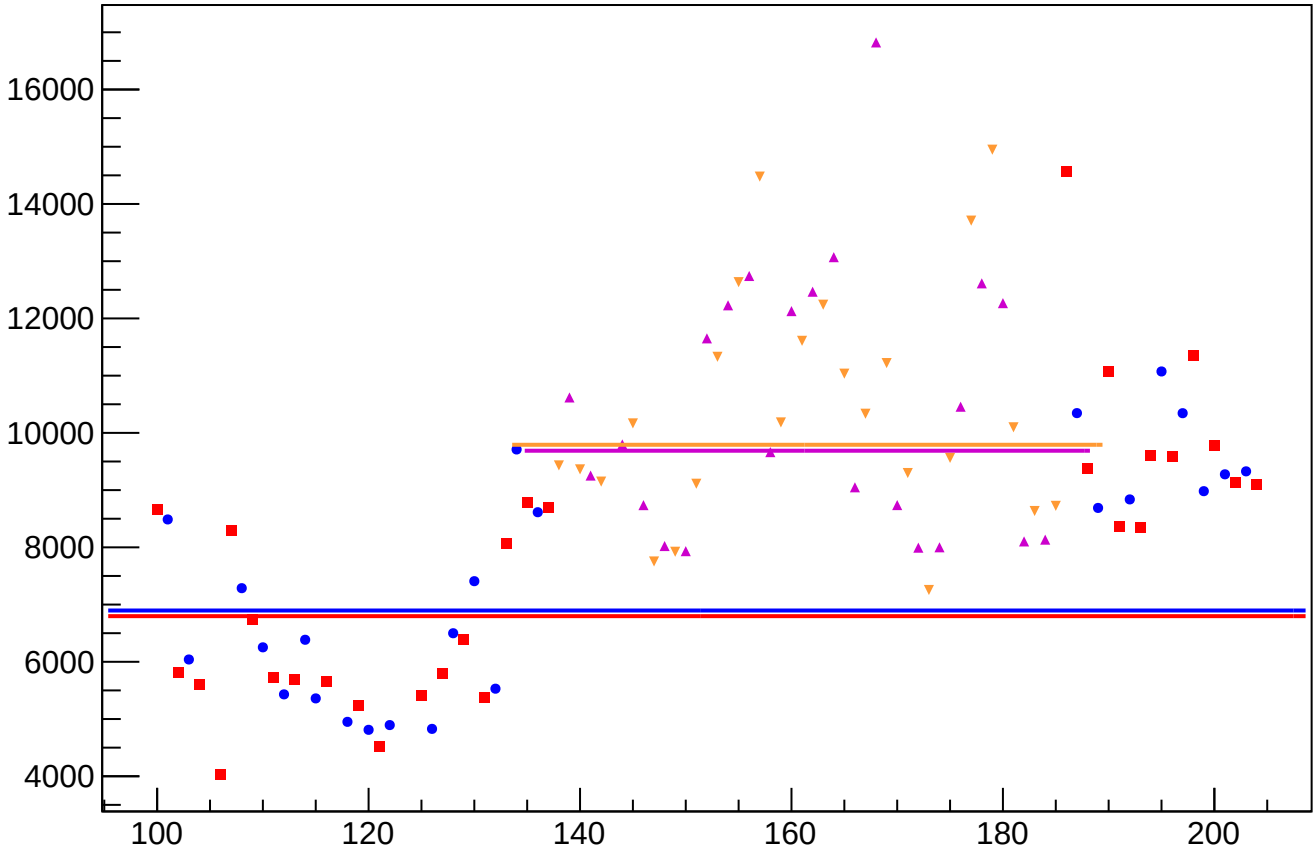
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -1196.884+/-1505.527 χ^2/NDF: 59.0/47

All: 48.446+/-1037.207 χ^2/NDF: 108.3/99

- sign 1173.498+/-1430.977 χ^2/NDF: 48.0/51

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6896.329+/-1.396 χ^2/NDF: 1887409.3/23

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 6797.571+/-1.287 χ^2/NDF: 2543118.1/28

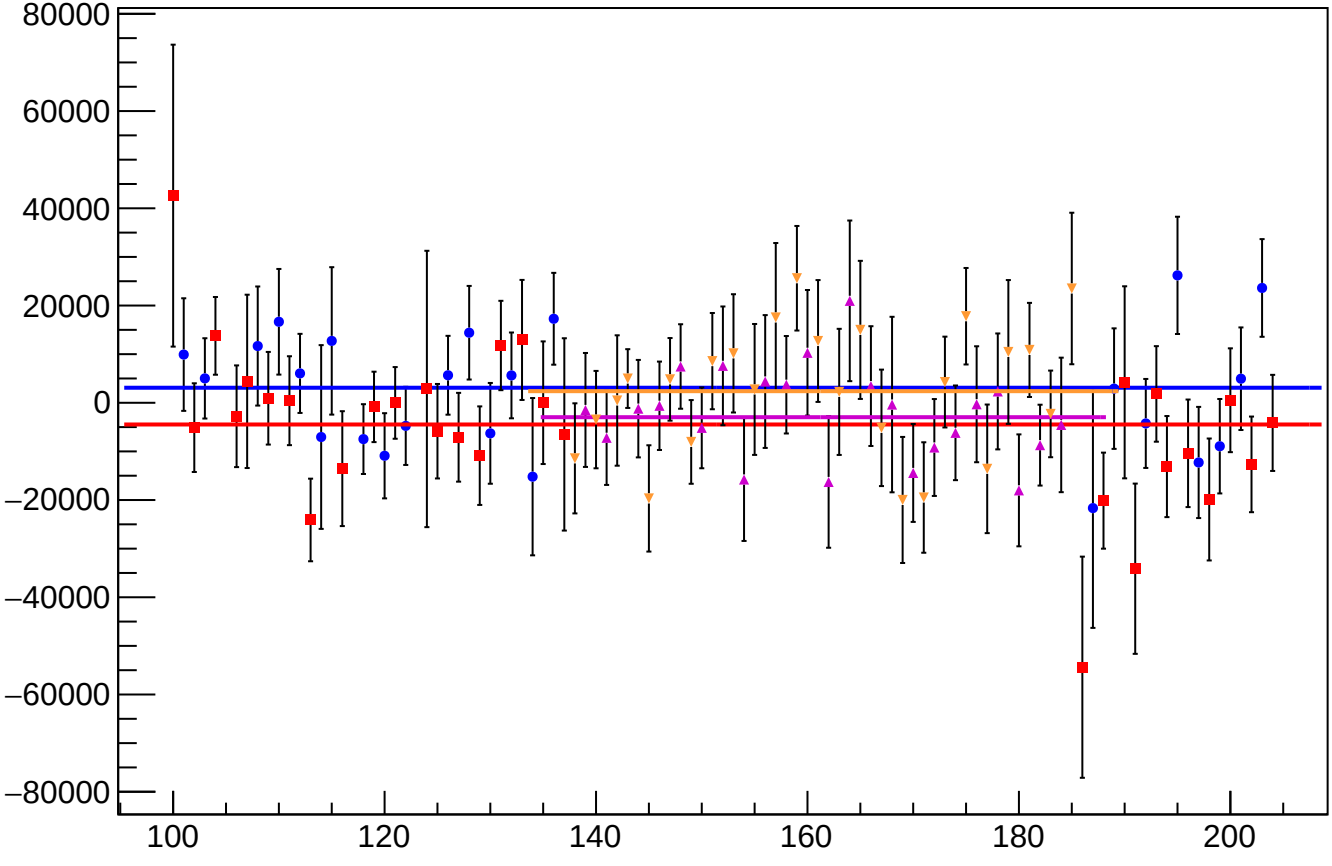
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 8109.256+/-1.065 χ^2/NDF: 4907707.4/47

All: 8000.653+/-0.733 χ^2/NDF: 10775944.0/9

- sign 7902.538+/-1.012 χ^2/NDF: 5848426.9/51

asym_atl2_mean vs Slug



Right In: 3095.143+/-2063.859 χ^2/NDF: 27.7/23

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -4463.987+/-1943.412 χ^2/NDF: 35.0/29

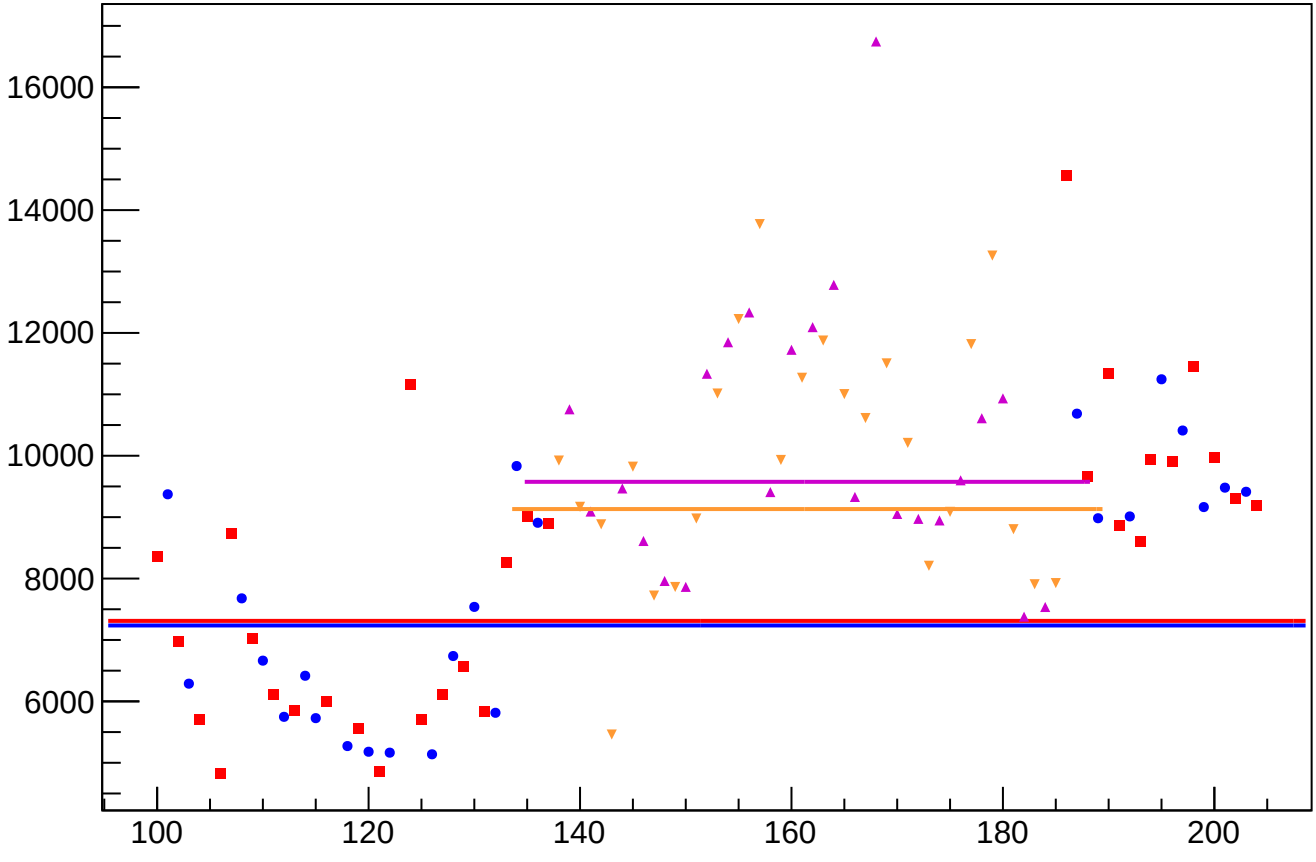
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2753.733+/-1484.395 χ^2/NDF: 57.5/48

All: -551.834+/-1047.619 χ^2/NDF: 115.6/101

- sign -3832.243+/-1478.735 χ^2/NDF: 48.2/52

asym_atl2_rms vs Slug



Right In: 7236.128+/-1.459 χ^2/NDF: 1685674.4/23

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7310.797+/-1.374 χ^2/NDF: 2104386.1/29

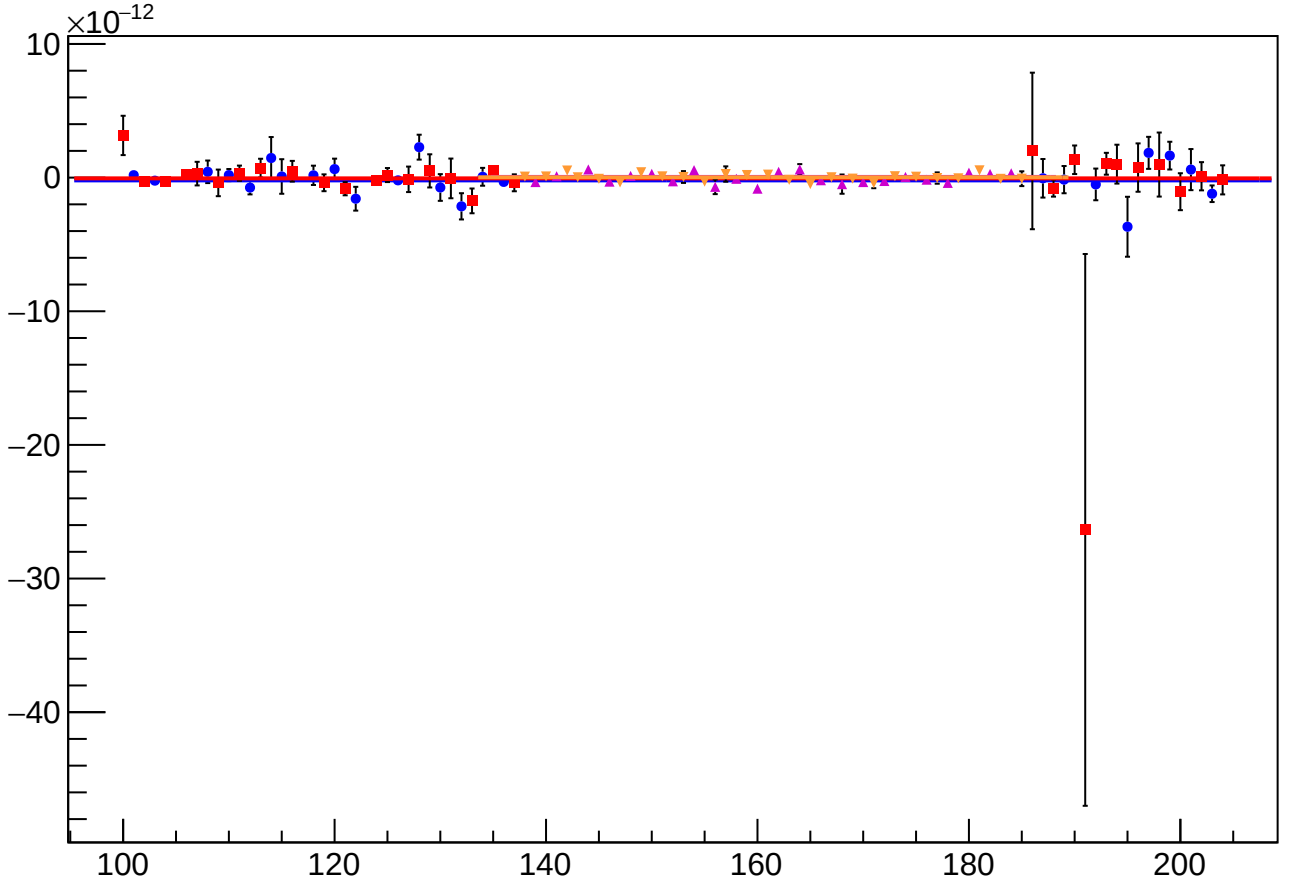
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 8151.134+/-1.050 χ^2/NDF: 4311737.1/48

All: 8207.886+/-0.741 χ^2/NDF: 8718999.5/10

- sign 8264.206+/-1.046 χ^2/NDF: 4401437.9/52

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 32.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

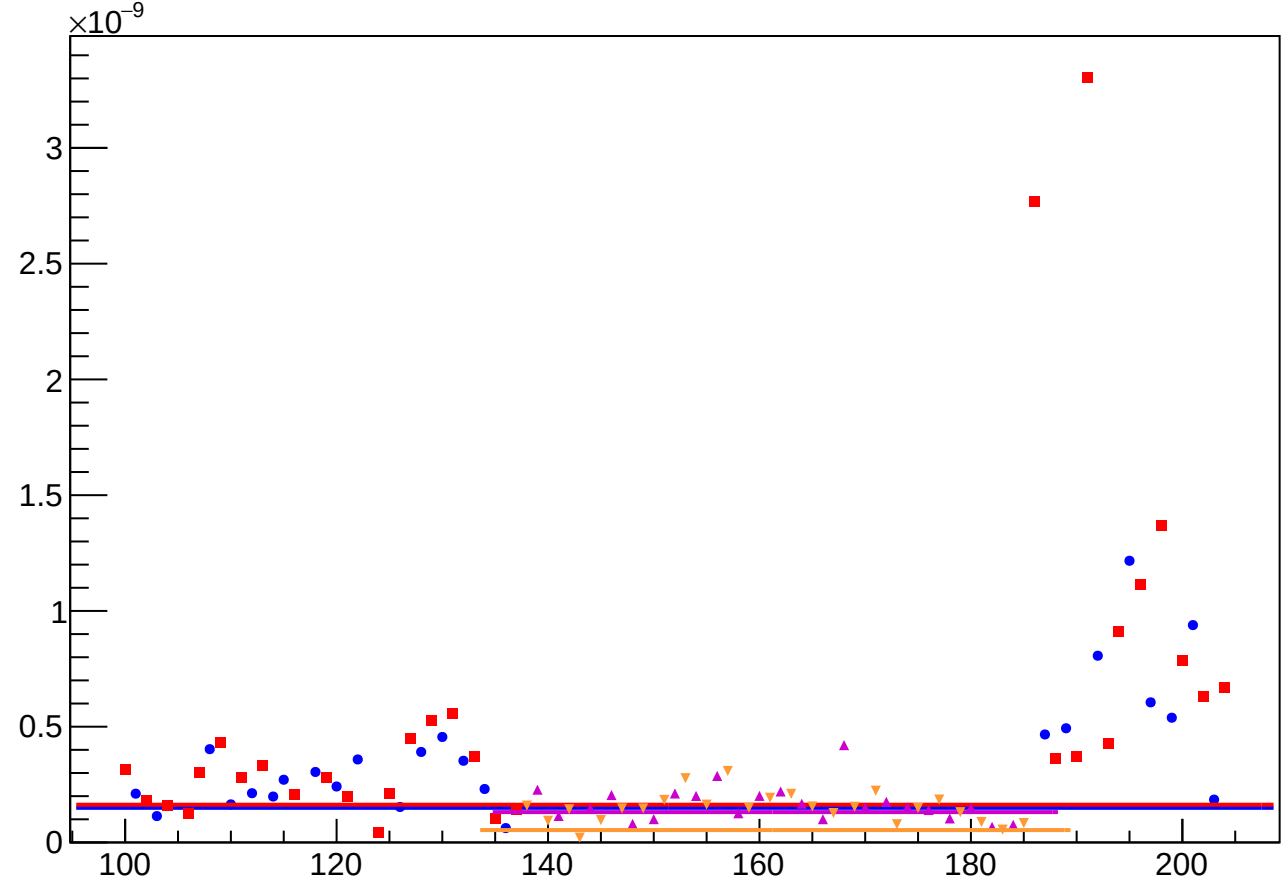
Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/29

Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.0/48

All: 0.000+/-0.000 χ^2/NDF: 122.8/101

- sign 0.000+/-0.000 χ^2/NDF: 66.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 4307046.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6234287.2/29

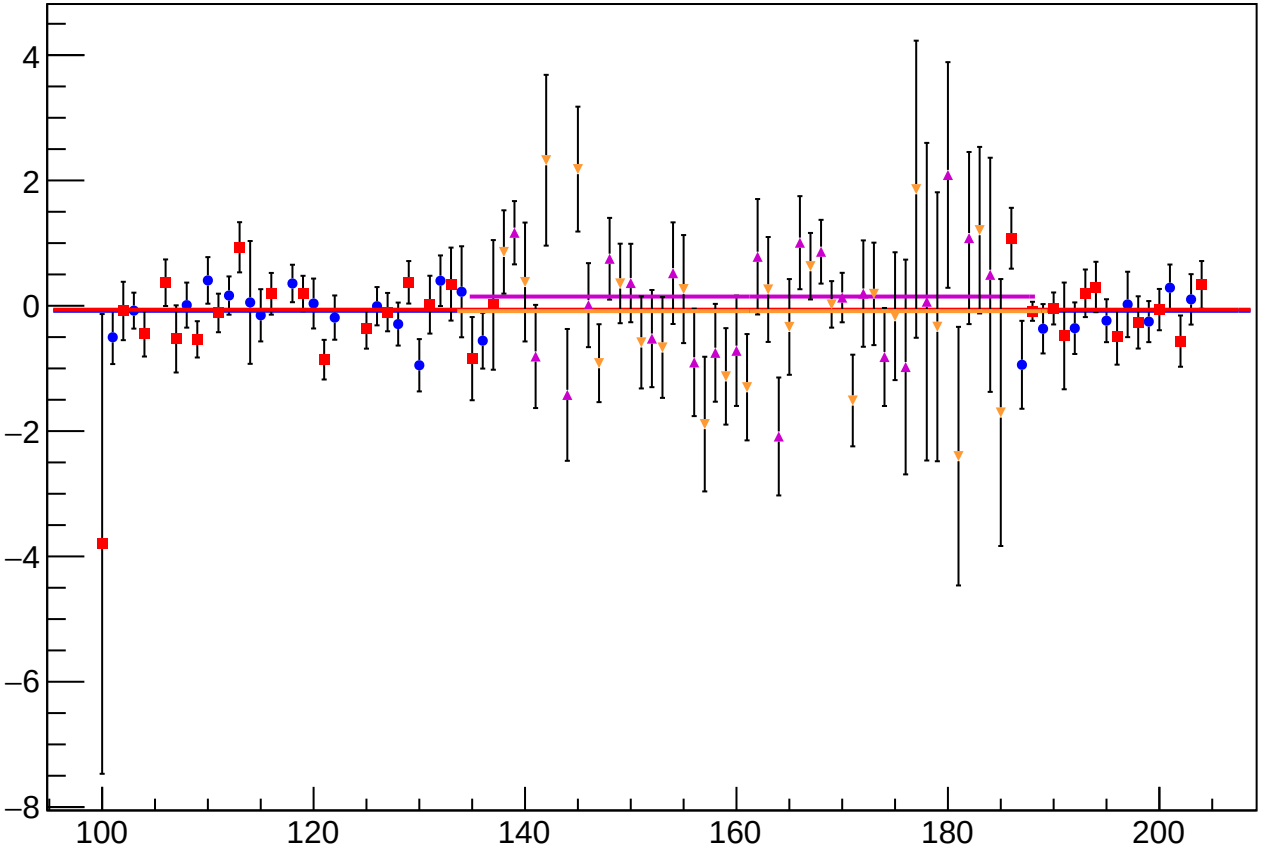
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13515362.9/48

All: 0.000+/-0.000 χ^2/NDF: 25764045.0/101

- sign 0.000+/-0.000 χ^2/NDF: 8315769.5/52

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.078 χ^2/NDF: 17.5/23

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.063+/-0.065 χ^2/NDF: 36.3/28

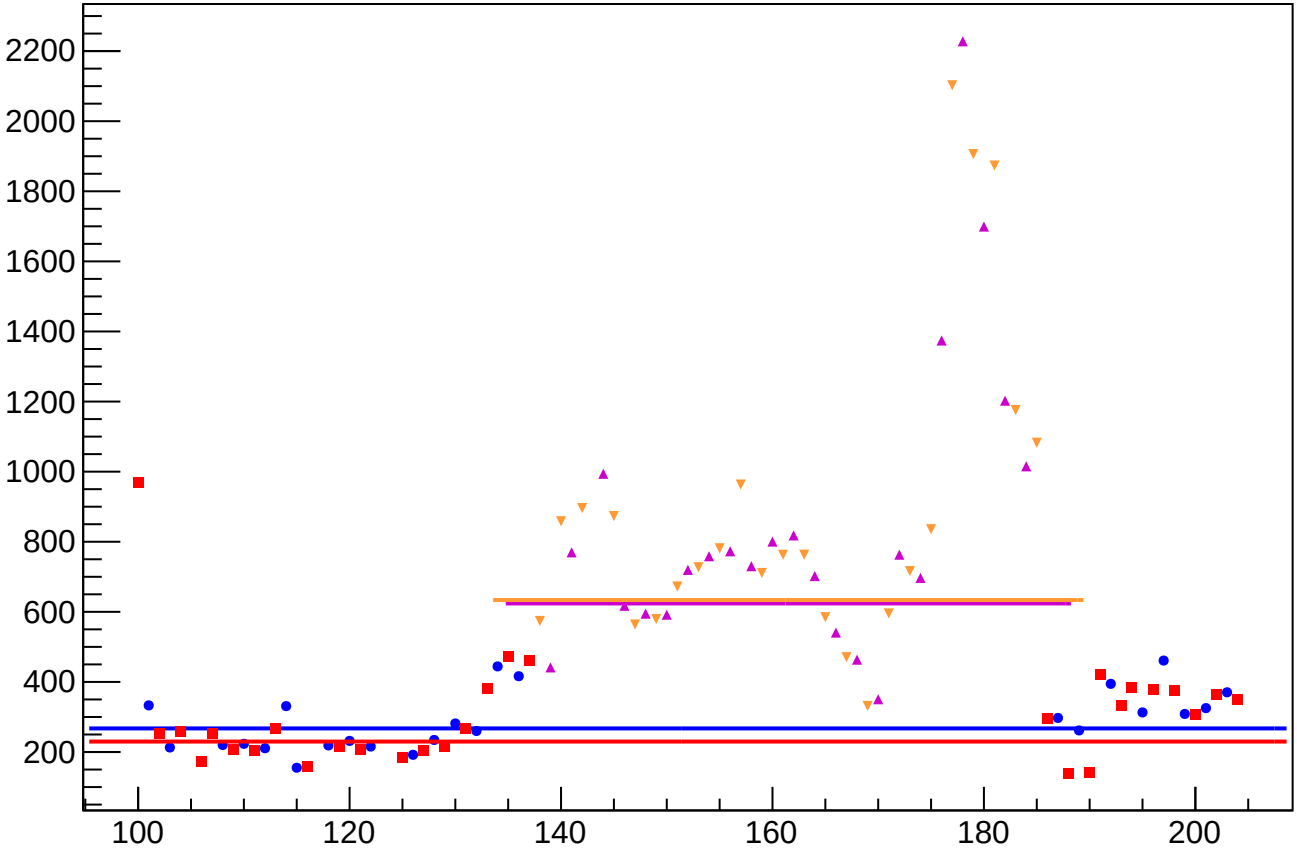
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.081+/-0.070 χ^2/NDF: 47.7/47

All: -0.053+/-0.046 χ^2/NDF: 112.2/99

- sign -0.032+/-0.060 χ^2/NDF: 64.2/51

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 267.354+/-0.055 χ^2/NDF: 1718549.1/23

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 229.841+/-0.046 χ^2/NDF: 3409094.2/28

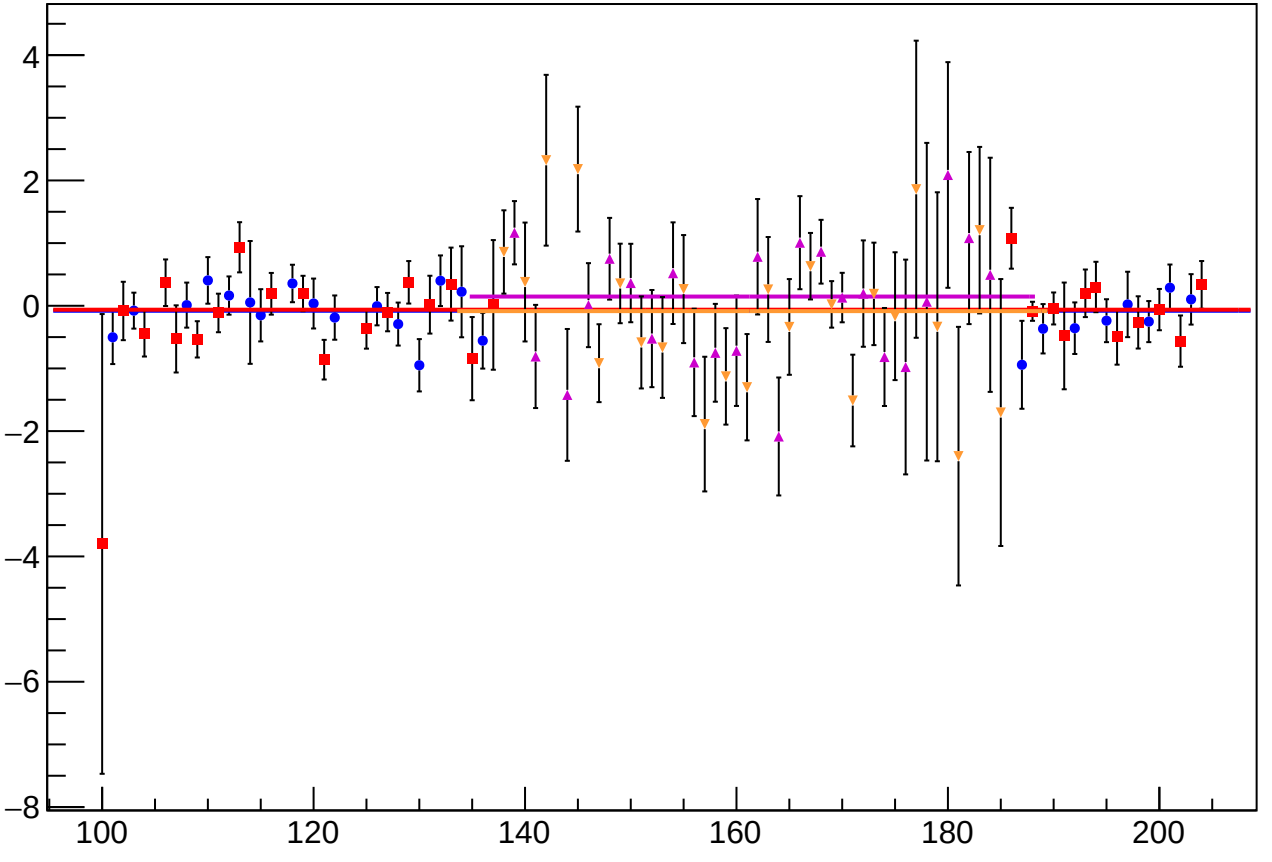
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 337.157+/-0.050 χ^2/NDF: 15048790.2/47

All: 308.481+/-0.032 χ^2/NDF: 34170878.5/99

- sign 287.377+/-0.043 χ^2/NDF: 18547167.1/51

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.080+/-0.078 χ^2/NDF: 17.5/23

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.063+/-0.065 χ^2/NDF: 36.3/28

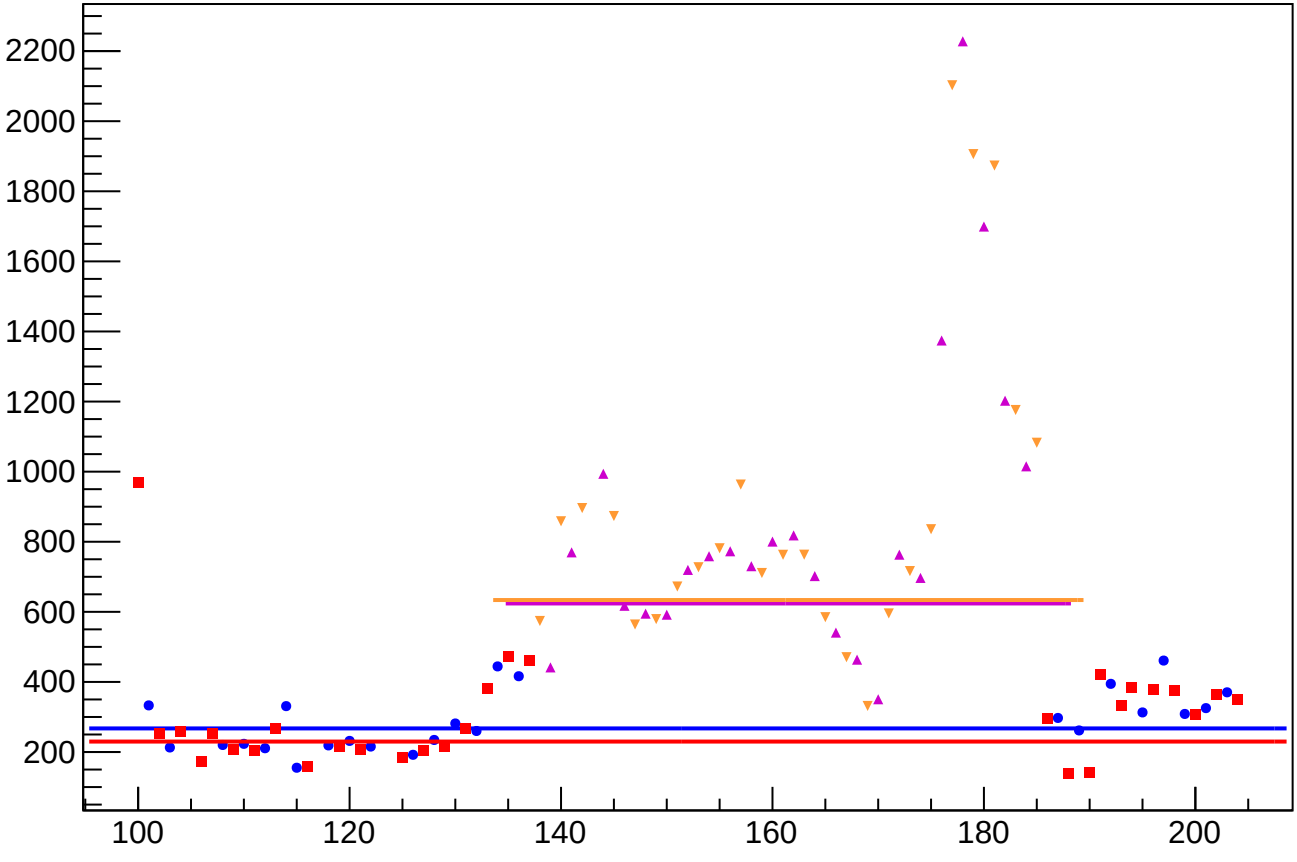
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.081+/-0.070 χ^2/NDF: 47.7/47

All: -0.053+/-0.046 χ^2/NDF: 112.2/99

- sign -0.032+/-0.060 χ^2/NDF: 64.2/51

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 267.354+/-0.055 χ^2/NDF: 1718549.1/23

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 229.841+/-0.046 χ^2/NDF: 3409094.2/28

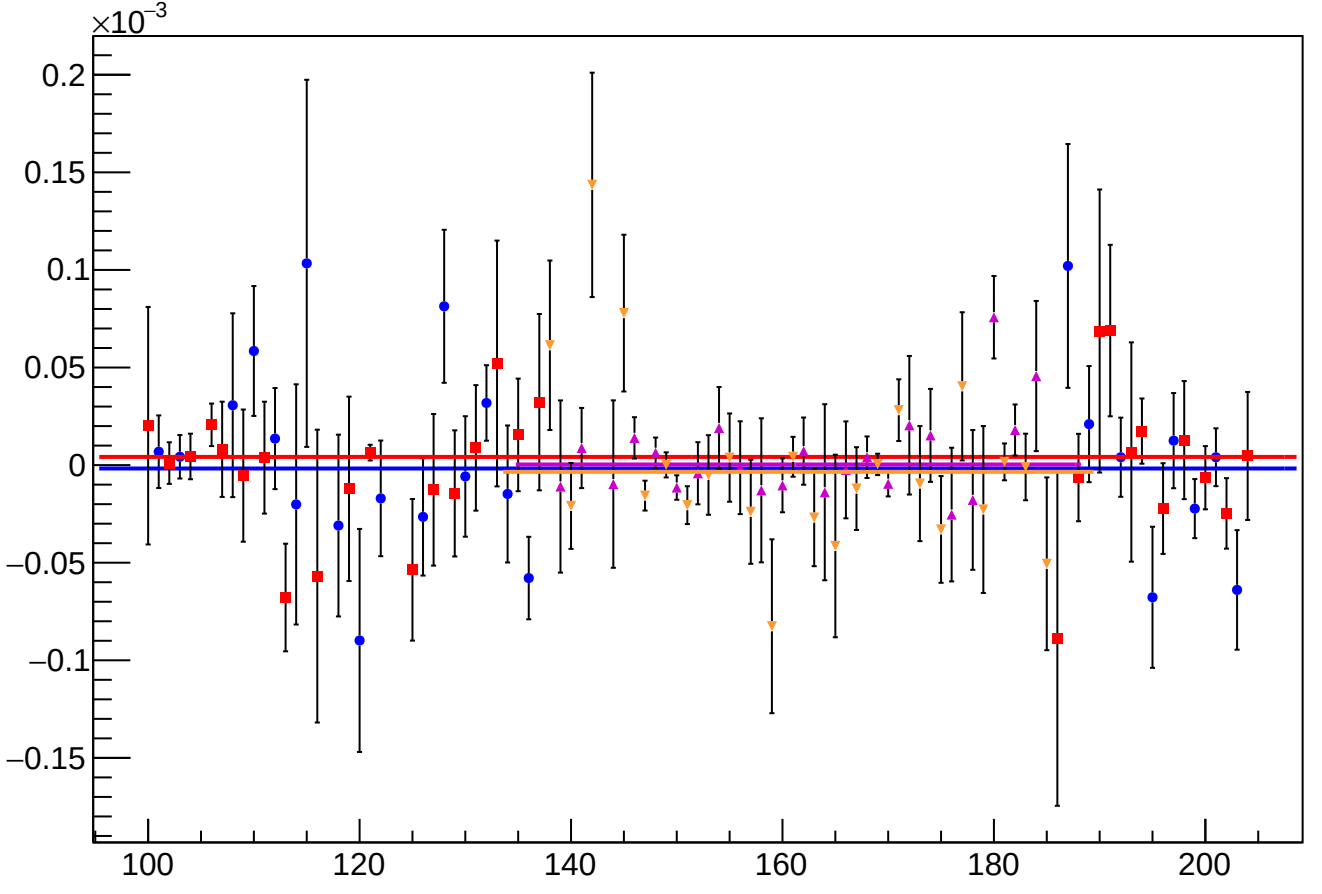
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 337.157+/-0.050 χ^2/NDF: 15048790.2/47

All: 308.481+/-0.032 χ^2/NDF: 34170878.5/99

- sign 287.377+/-0.043 χ^2/NDF: 18547167.1/51

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 37.6/23

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/28

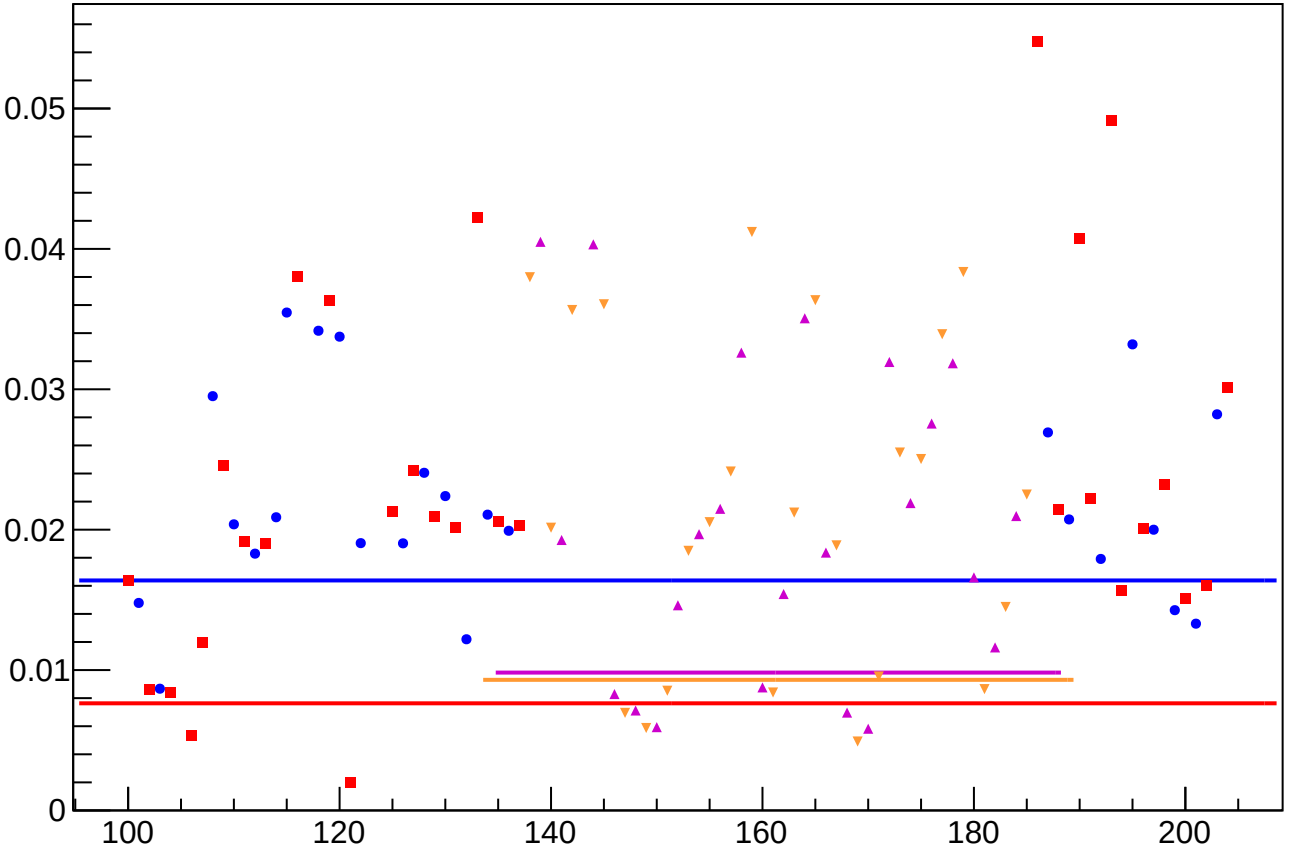
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.9/47

All: 0.000+/-0.000 χ^2/NDF: 127.5/99

- sign 0.000+/-0.000 χ^2/NDF: 52.8/51

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 3118258.3/23

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.008+/-0.000 χ^2/NDF: 15274801.9/28

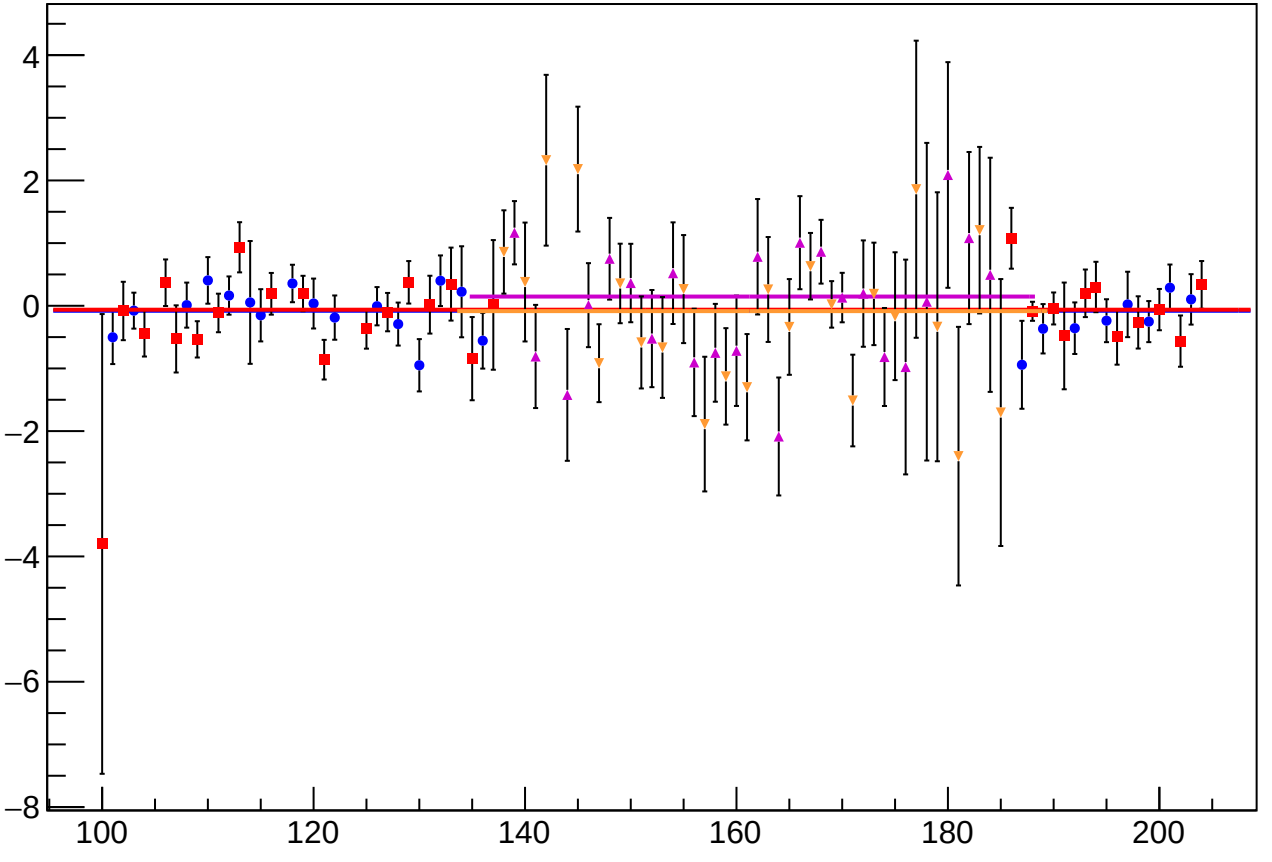
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 18469023.5/47

All: 0.010+/-0.000 χ^2/NDF: 45604627.0/99

- sign 0.009+/-0.000 χ^2/NDF: 26143632.3/51

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.078 χ^2/NDF: 17.5/23

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.063+/-0.065 χ^2/NDF: 36.3/28

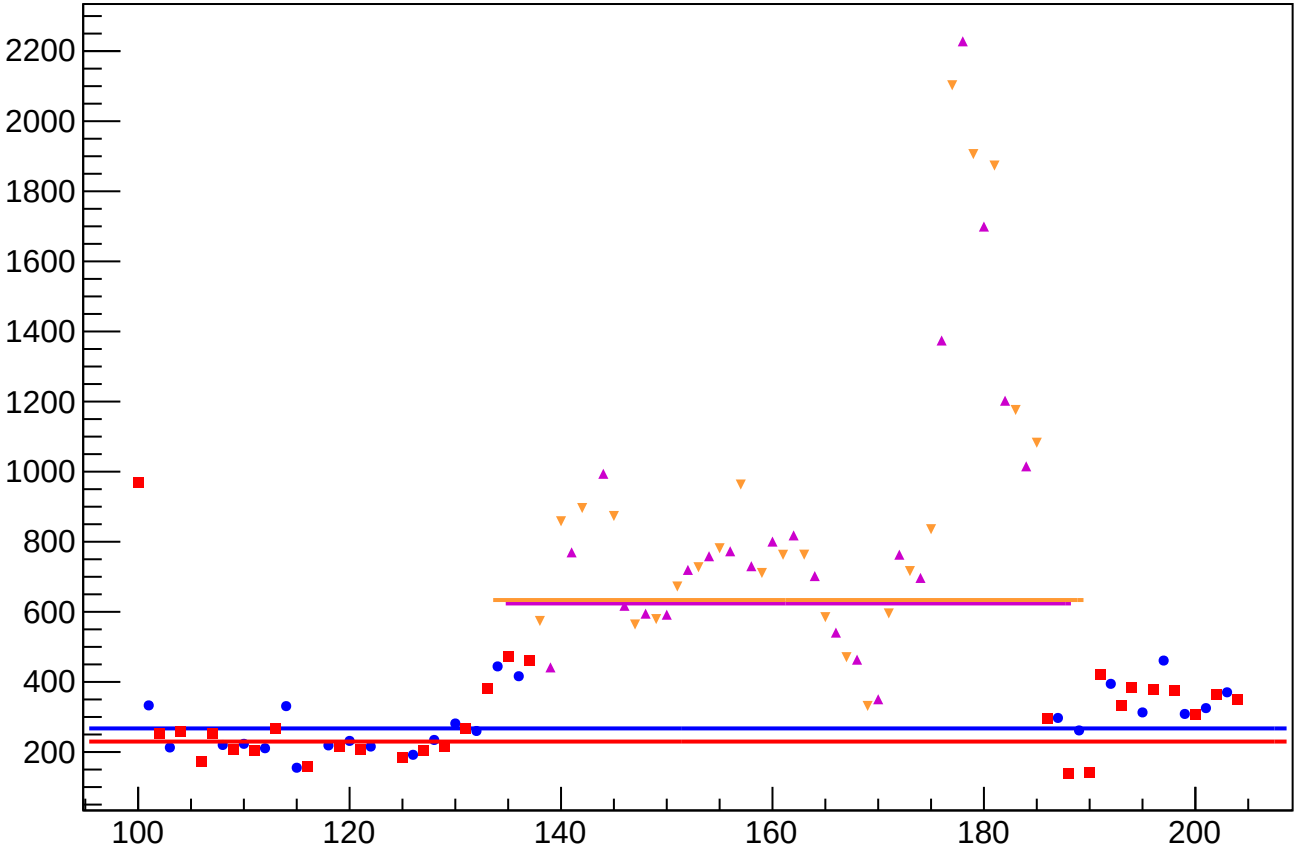
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.081+/-0.070 χ^2/NDF: 47.7/47

All: -0.053+/-0.046 χ^2/NDF: 112.2/99

- sign -0.032+/-0.060 χ^2/NDF: 64.2/51

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 267.355+/-0.055 χ^2/NDF: 1718533.1/23

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 229.838+/-0.046 χ^2/NDF: 3409258.4/28

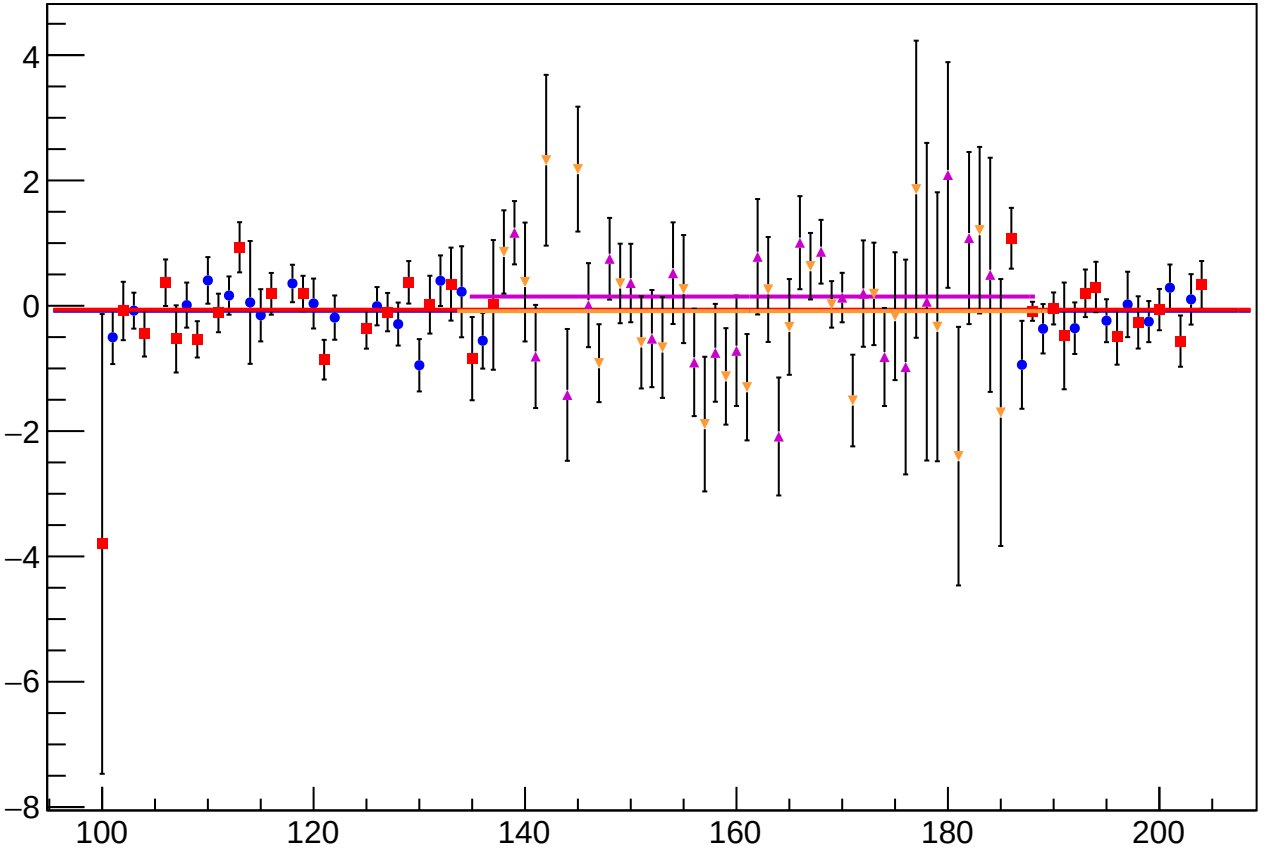
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 337.158+/-0.050 χ^2/NDF: 15048858.6/47

All: 308.480+/-0.032 χ^2/NDF: 34171474.0/99

- sign 287.374+/-0.043 χ^2/NDF: 18547608.8/51

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.080+/-0.078 χ^2/NDF: 17.5/23

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

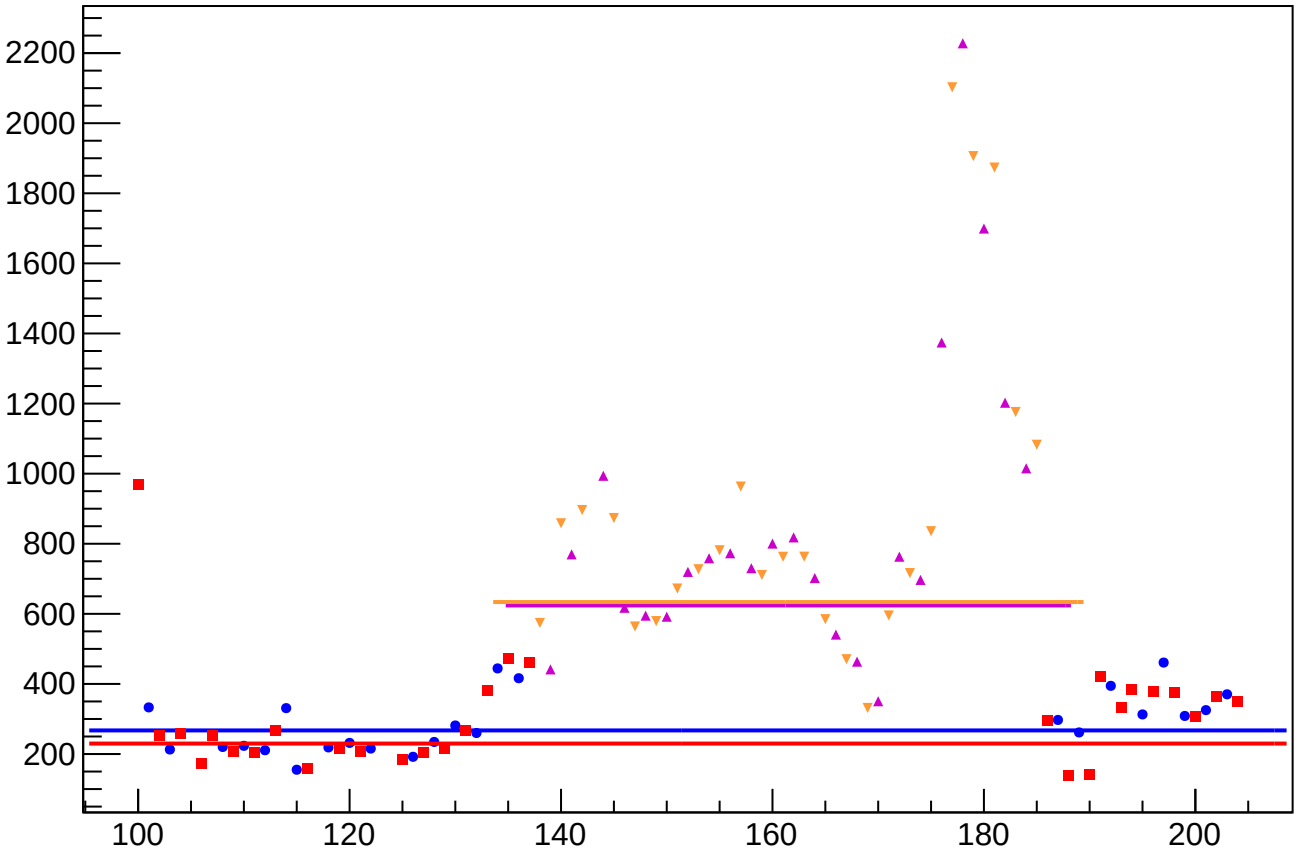
Right Out: -0.063+/-0.065 χ^2/NDF: 36.3/28

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.081+/-0.070 χ^2/NDF: 47.7/47

All: -0.053+/-0.046 χ^2/NDF: 112.2/99

- sign -0.032+/-0.060 χ^2/NDF: 64.2/51



Right In: 267.355+/-0.055 χ^2/NDF: 1718533.1/23

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 229.838+/-0.046 χ^2/NDF: 3409258.4/28

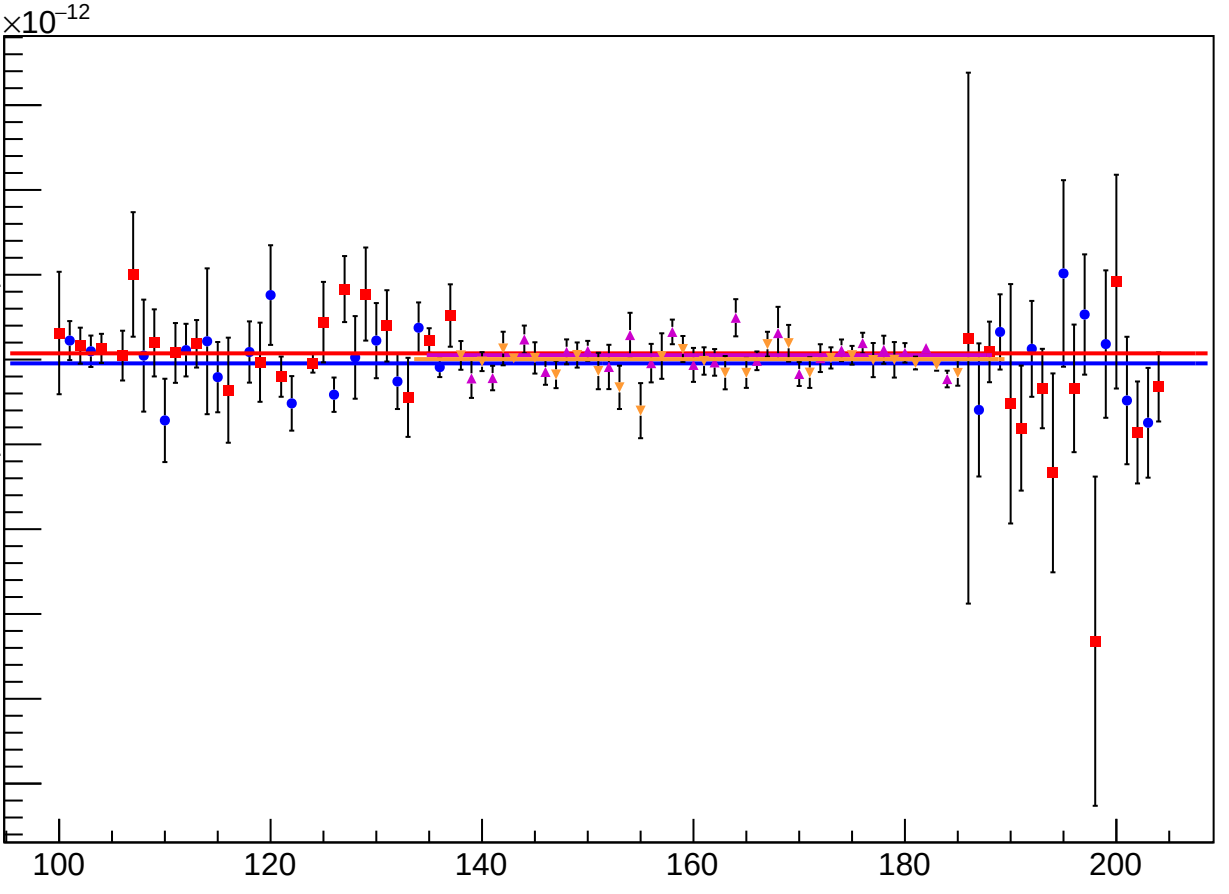
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 337.158+/-0.050 χ^2/NDF: 15048858.6/47

All: 308.480+/-0.032 χ^2/NDF: 34171474.0/99

- sign 287.374+/-0.043 χ^2/NDF: 18547608.8/51

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/29

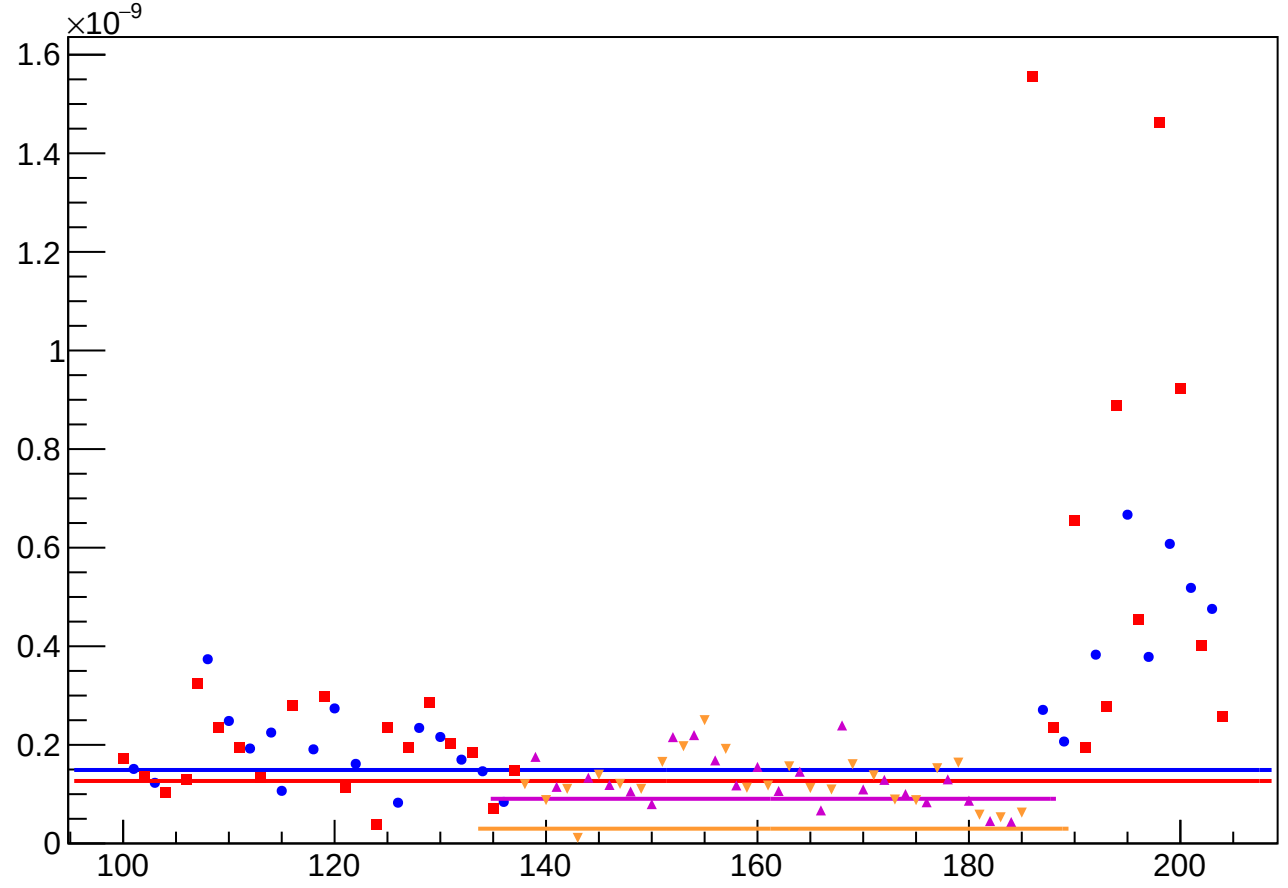
Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/48

All: 0.000+/-0.000 χ^2/NDF: 99.3/101

- sign 0.000+/-0.000 χ^2/NDF: 60.2/52

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4118076.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7584194.8/29

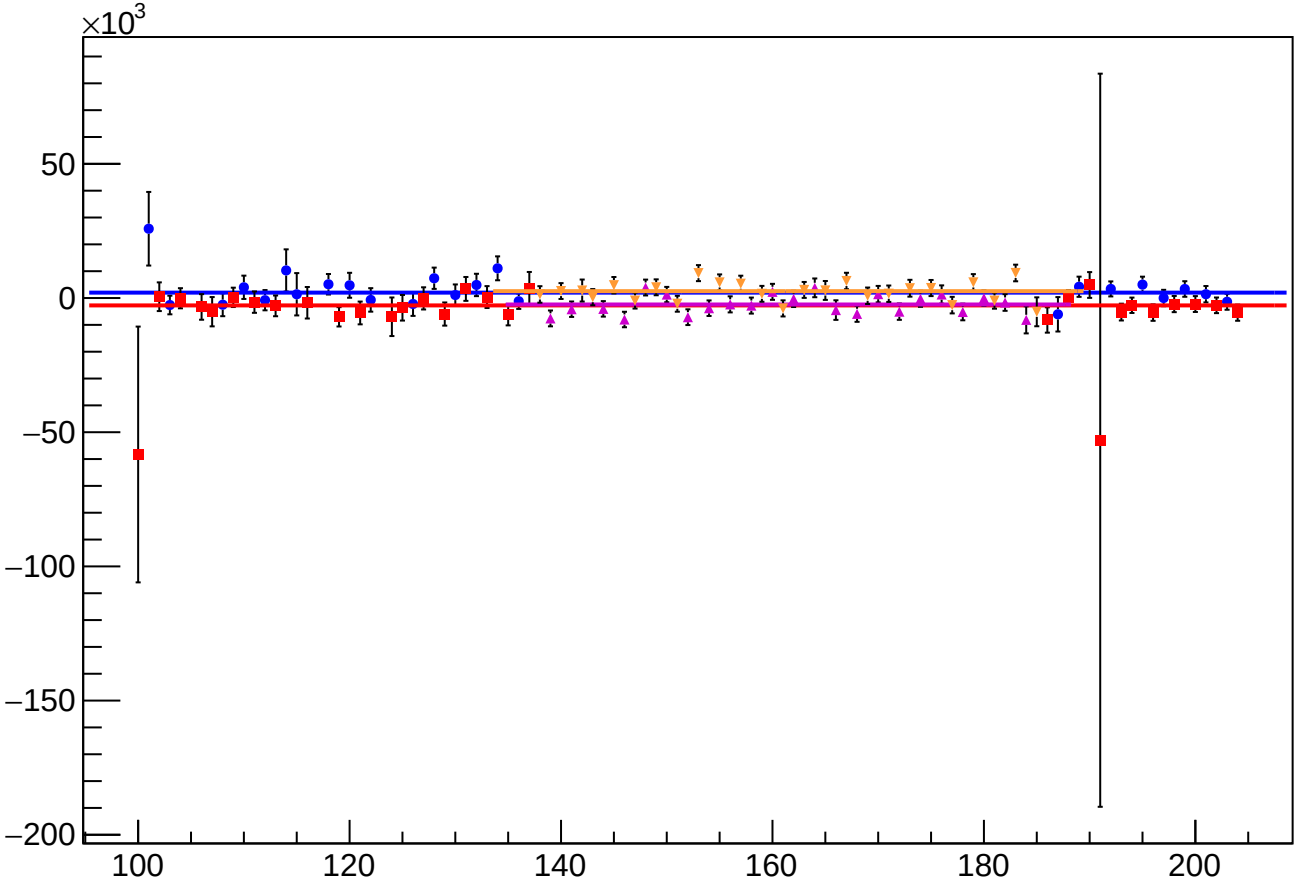
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 27838040.9/48

All: 0.000+/-0.000 χ^2/NDF: 50573621.5/101

- sign 0.000+/-0.000 χ^2/NDF: 12959928.1/52

reg_asym_atr1_mean vs Slug



Right In: 2014.739+/-776.941 χ^2/NDF: 23.0/23

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2749.362+/-721.849 χ^2/NDF: 18.0/29

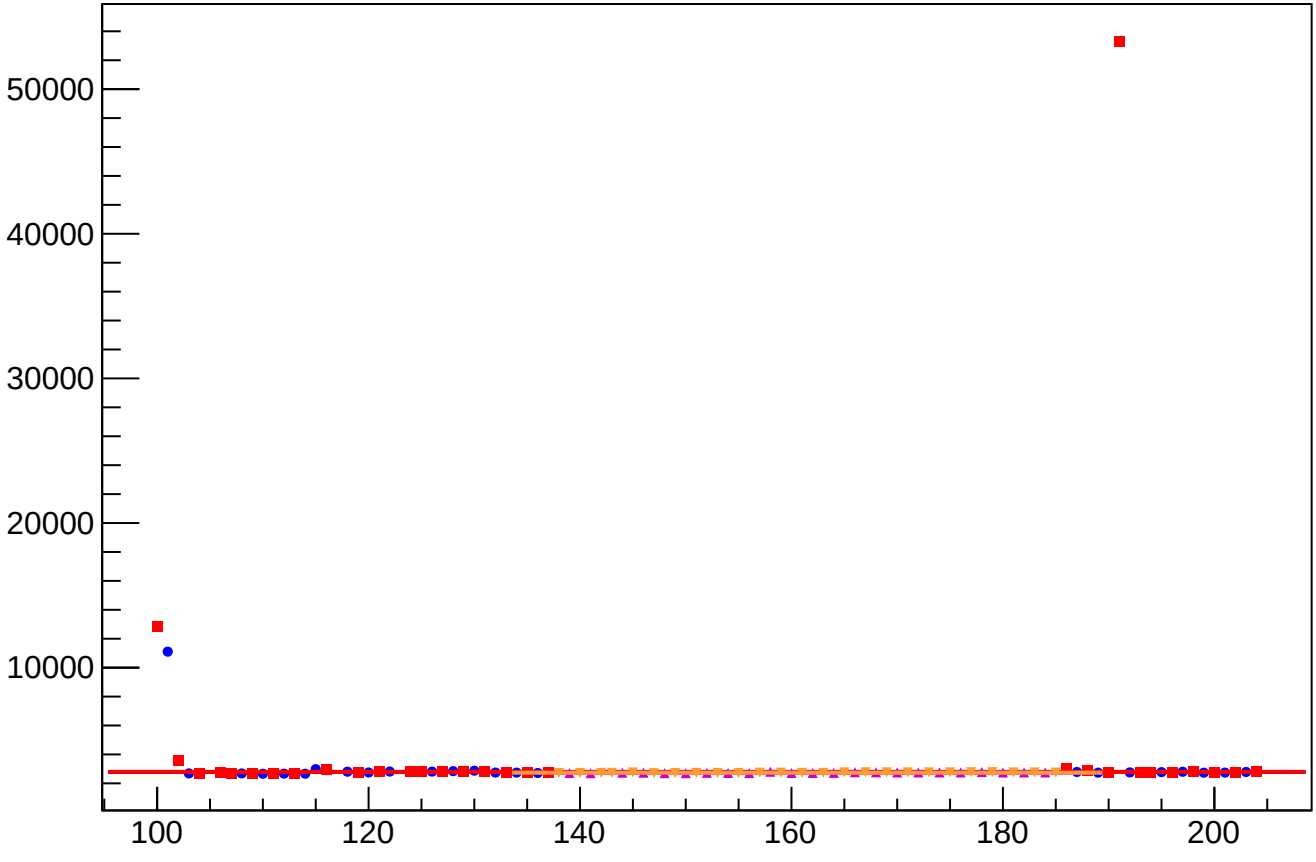
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2345.166+/-485.483 χ^2/NDF: 54.9/48

All: -140.732+/-340.889 χ^2/NDF: 156.1/101

- sign -2558.346+/-478.768 χ^2/NDF: 49.5/52

reg_asym_atr1_rms vs Slug



Right In: 2786.333+/-0.549 χ^2/NDF: 748395.7/23

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2793.345+/-0.510 χ^2/NDF: 479217.6/29

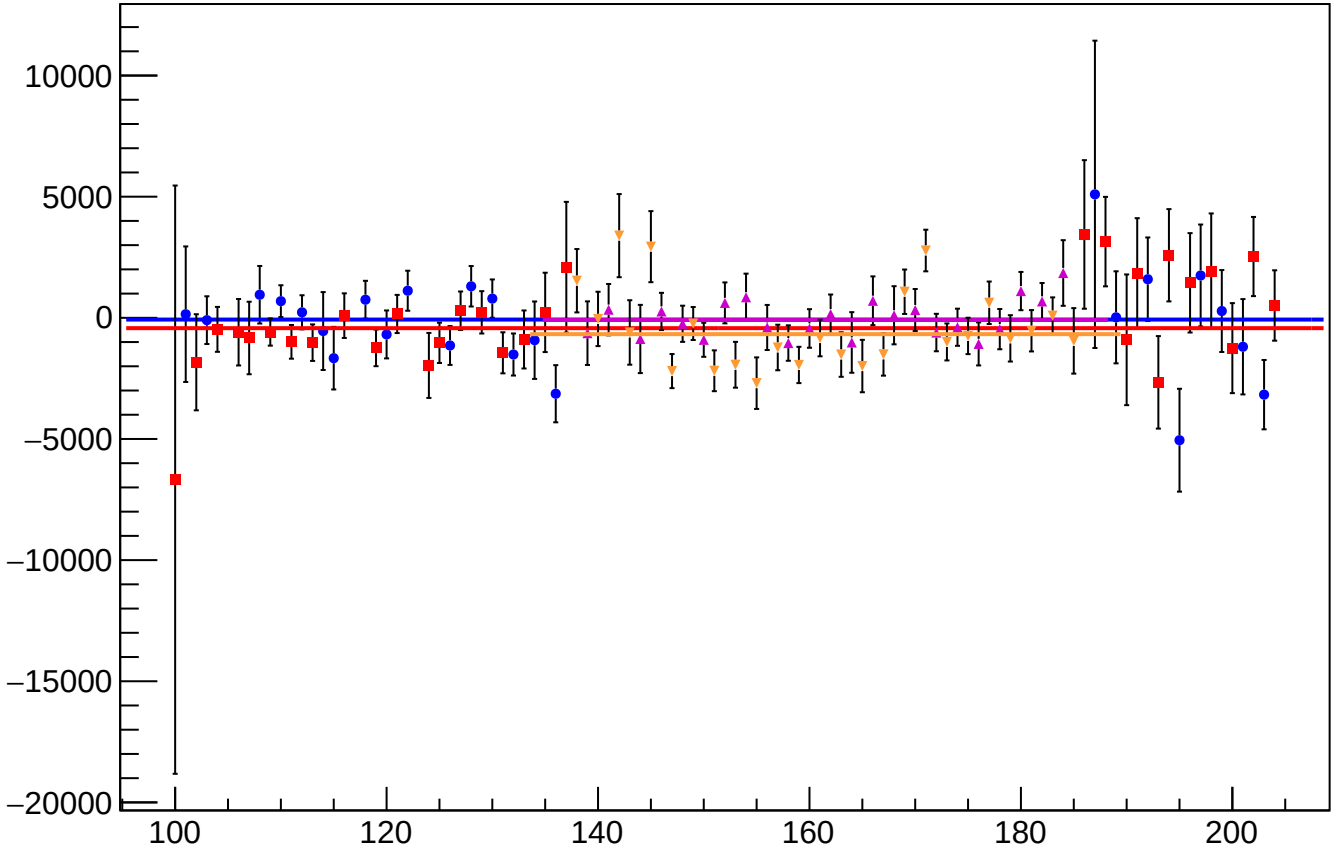
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.579+/-0.343 χ^2/NDF: 755525.6/48

All: 2760.032+/-0.241 χ^2/NDF: 1244453.9/10

- sign 2763.390+/-0.339 χ^2/NDF: 488728.7/52

asym_atr1_reg_correction_mean vs Slug



Right In: -71.520+/-220.723 χ^2/NDF: 35.8/23

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -426.703+/-202.967 χ^2/NDF: 26.0/29

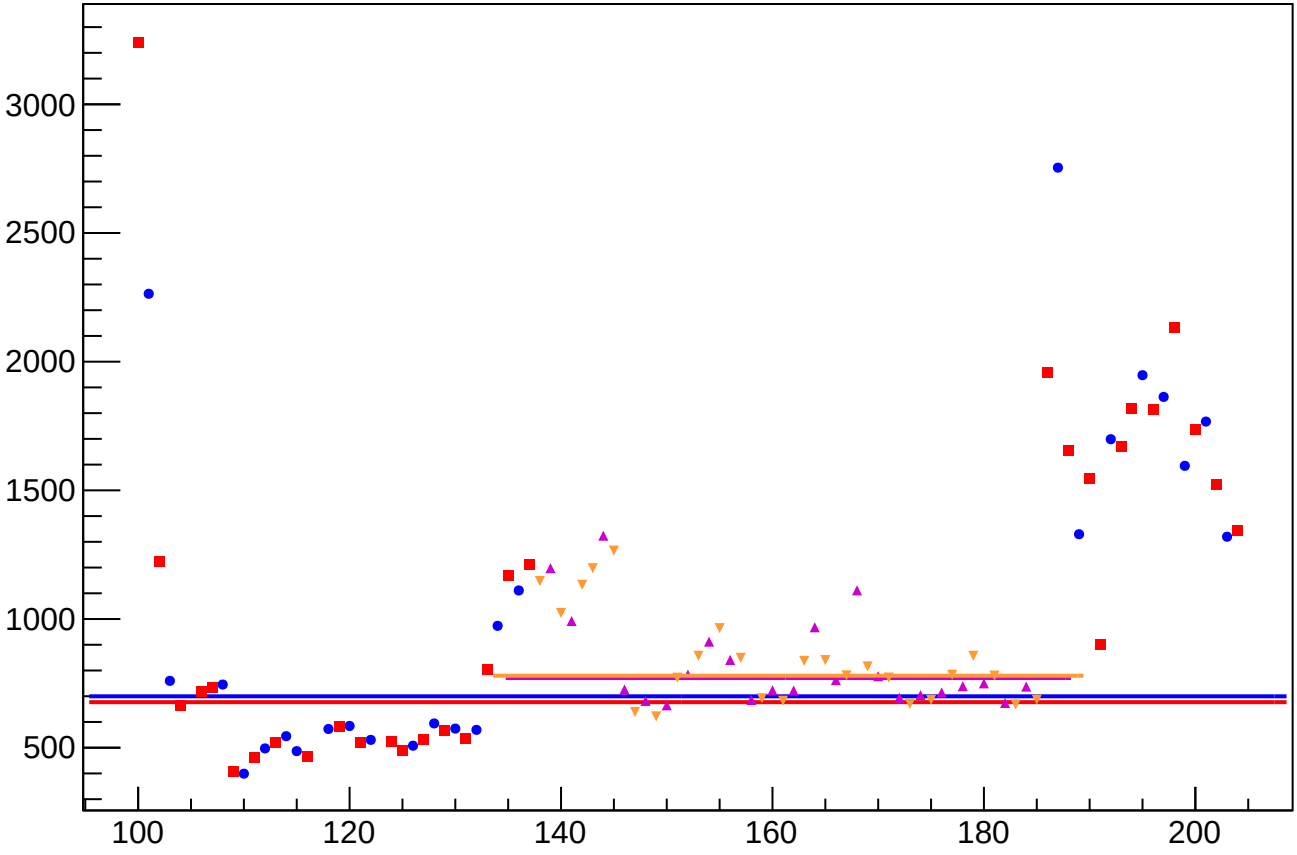
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -431.204+/-140.066 χ^2/NDF: 98.6/48

All: -333.464+/-97.614 χ^2/NDF: 141.9/101

- sign -241.161+/-136.114 χ^2/NDF: 42.3/52

asym_atr1_reg_correction_rms vs Slug



Right In: 699.690+/-0.156 χ^2/NDF: 5929668.0/23

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 676.992+/-0.144 χ^2/NDF: 7127010.8/29

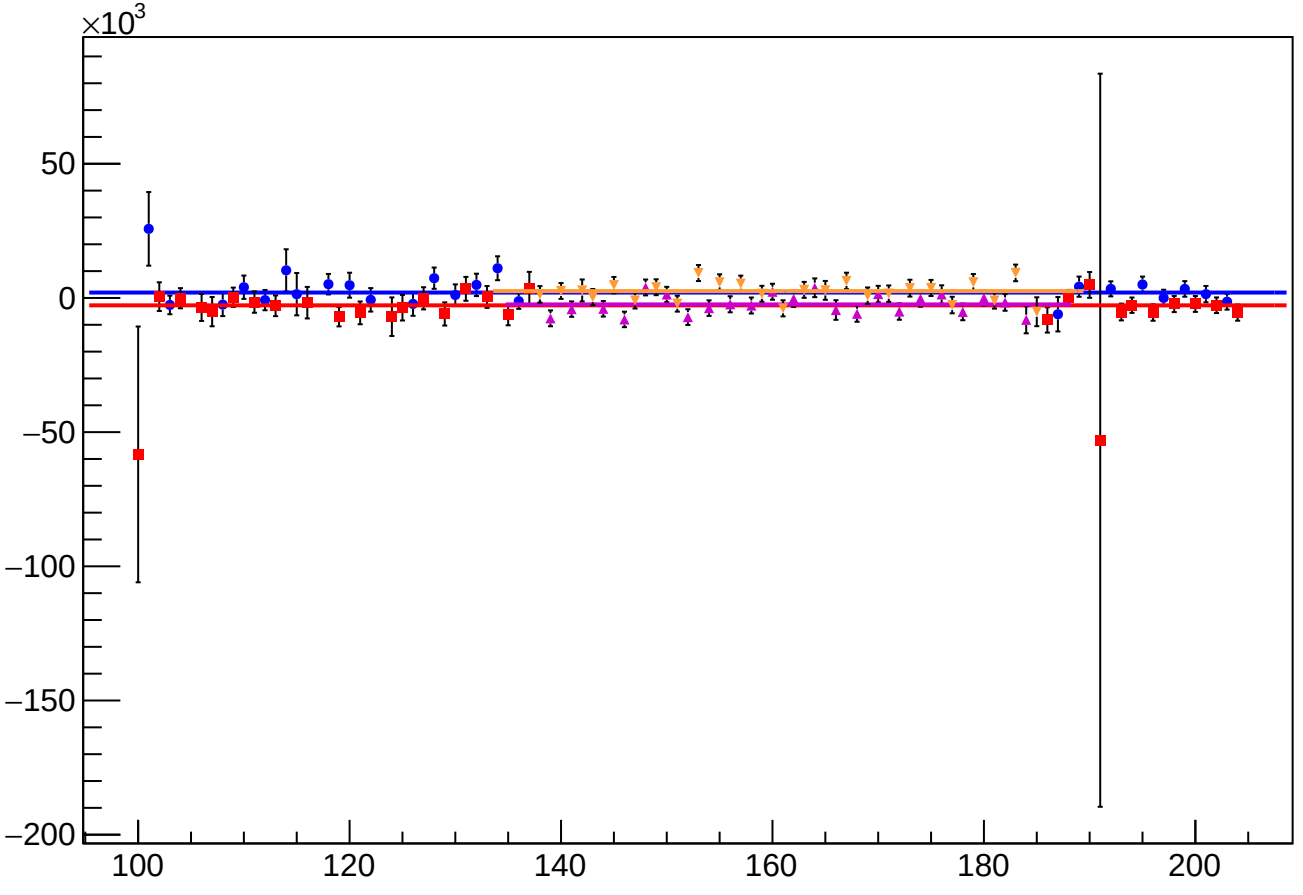
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

\+ sign 747.490+/-0.099 χ^2/NDF: 7330443.3/48

All: 737.779+/-0.069 χ^2/NDF: 15787563.4/10

\- sign 728.609+/-0.096 χ^2/NDF: 8438428.7/52

cor_asym_atr1_mean vs Slug



Right In: 2014.417+/-776.941 χ^2/NDF: 23.0/23

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2752.951+/-722.656 χ^2/NDF: 18.0/29

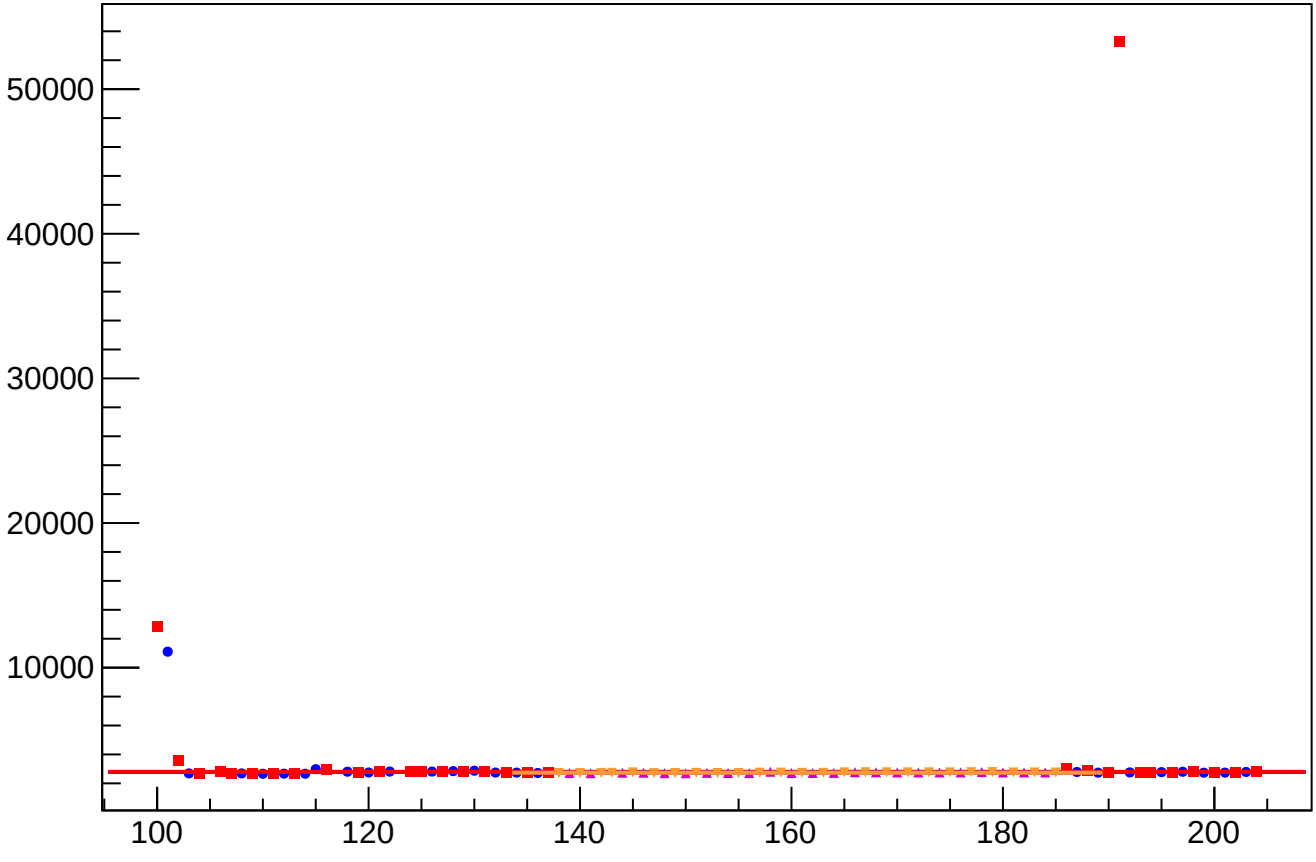
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2345.016+/-485.483 χ^2/NDF: 54.9/48

All: -140.347+/-340.974 χ^2/NDF: 156.1/101

- sign -2559.814+/-479.004 χ^2/NDF: 49.5/52

cor_asym_atr1_rms vs Slug



Right In: 2786.333+/-0.549 χ^2/NDF: 748394.8/23

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2795.943+/-0.511 χ^2/NDF: 478900.8/29

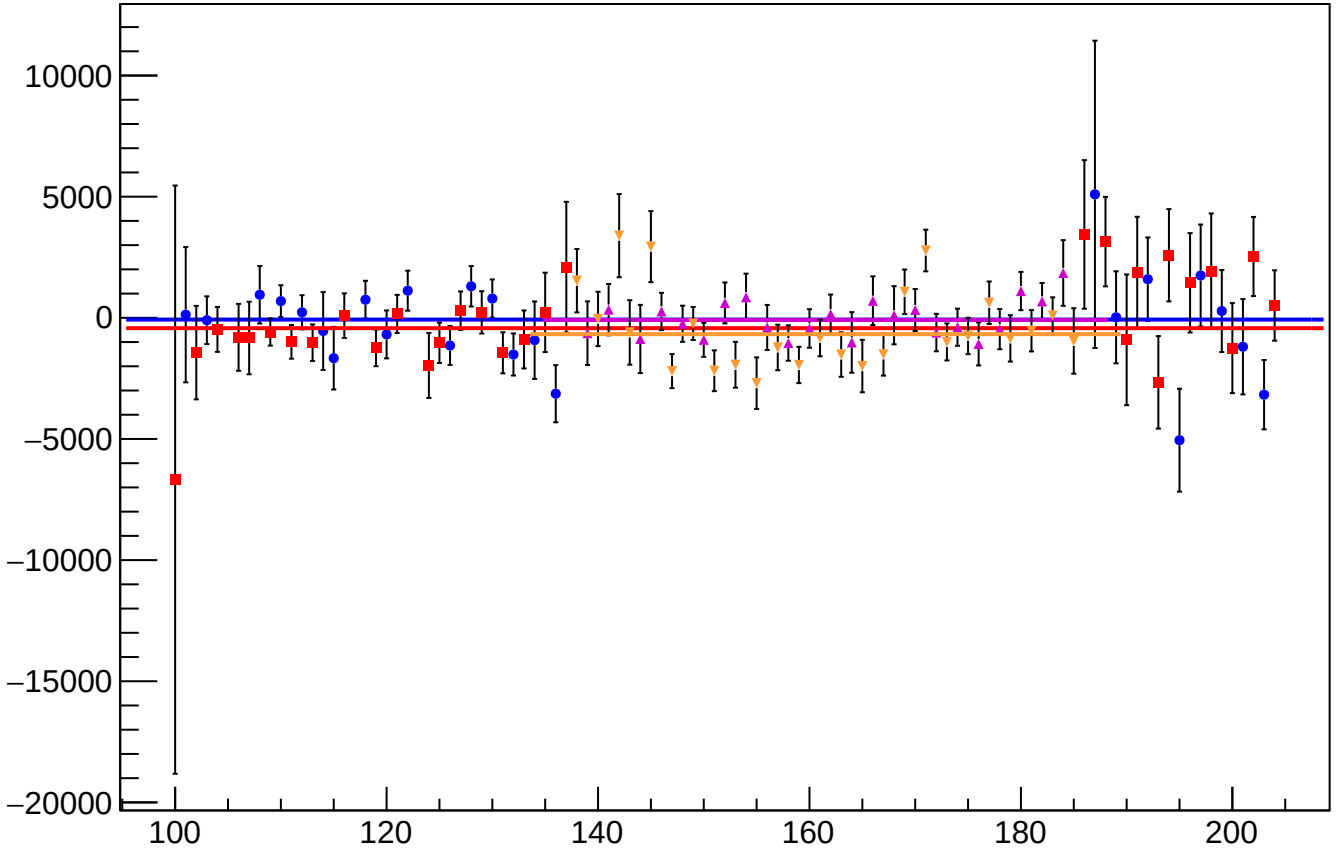
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.579+/-0.343 χ^2/NDF: 755524.7/48

All: 2760.594+/-0.241 χ^2/NDF: 1244809.9/10

- sign 2764.502+/-0.339 χ^2/NDF: 489015.3/52

asym_atr1_cor_correction_mean vs Slug



Right In: -71.550+/-220.713 χ^2/NDF: 35.8/23

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -427.523+/-202.935 χ^2/NDF: 25.9/29

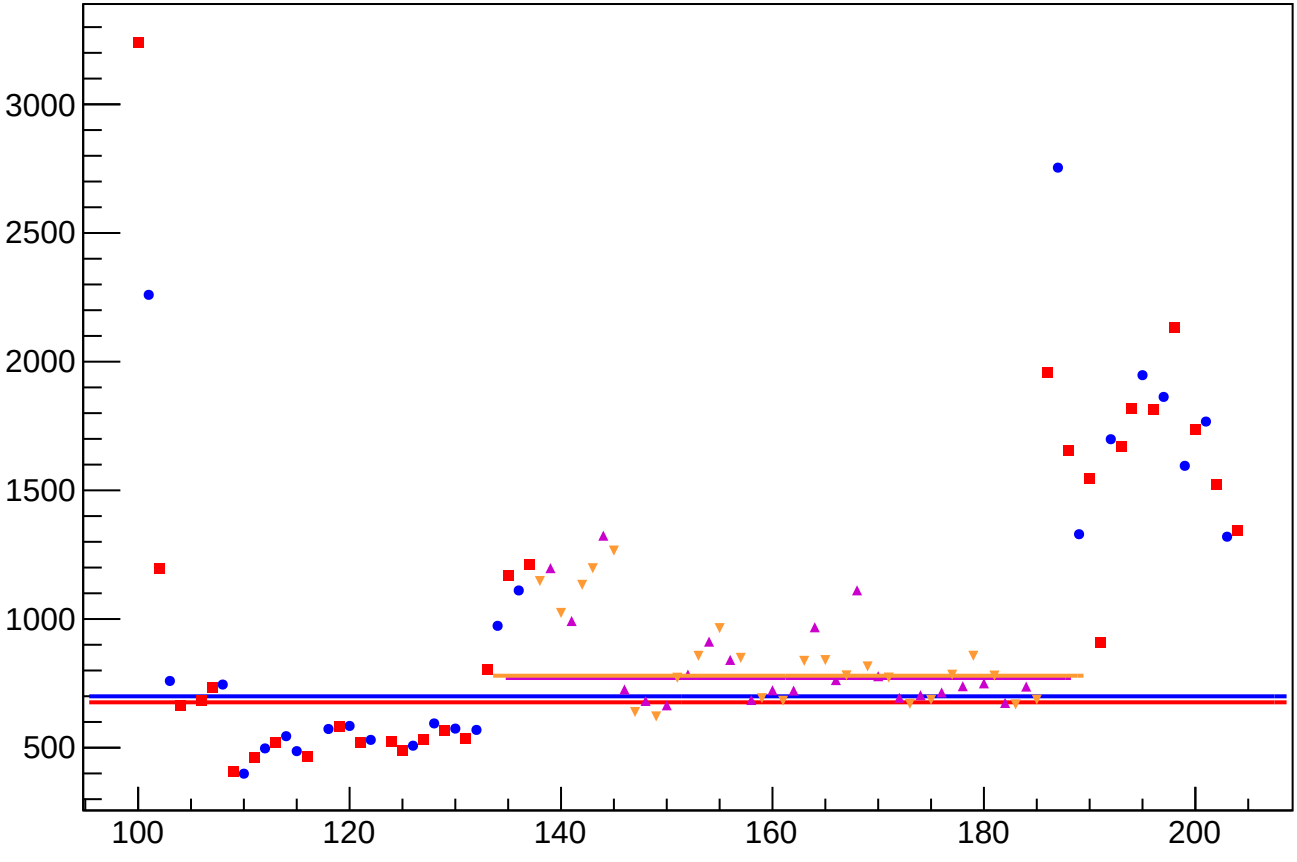
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -431.154+/-140.063 χ^2/NDF: 98.6/48

All: -333.674+/-97.610 χ^2/NDF: 141.7/101

- sign -241.626+/-136.105 χ^2/NDF: 42.2/52

asym_atr1_cor_correction_rms vs Slug



Right In: 699.679+/-0.156 χ^2/NDF: 5928763.7/23

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 676.326+/-0.143 χ^2/NDF: 7121008.7/29

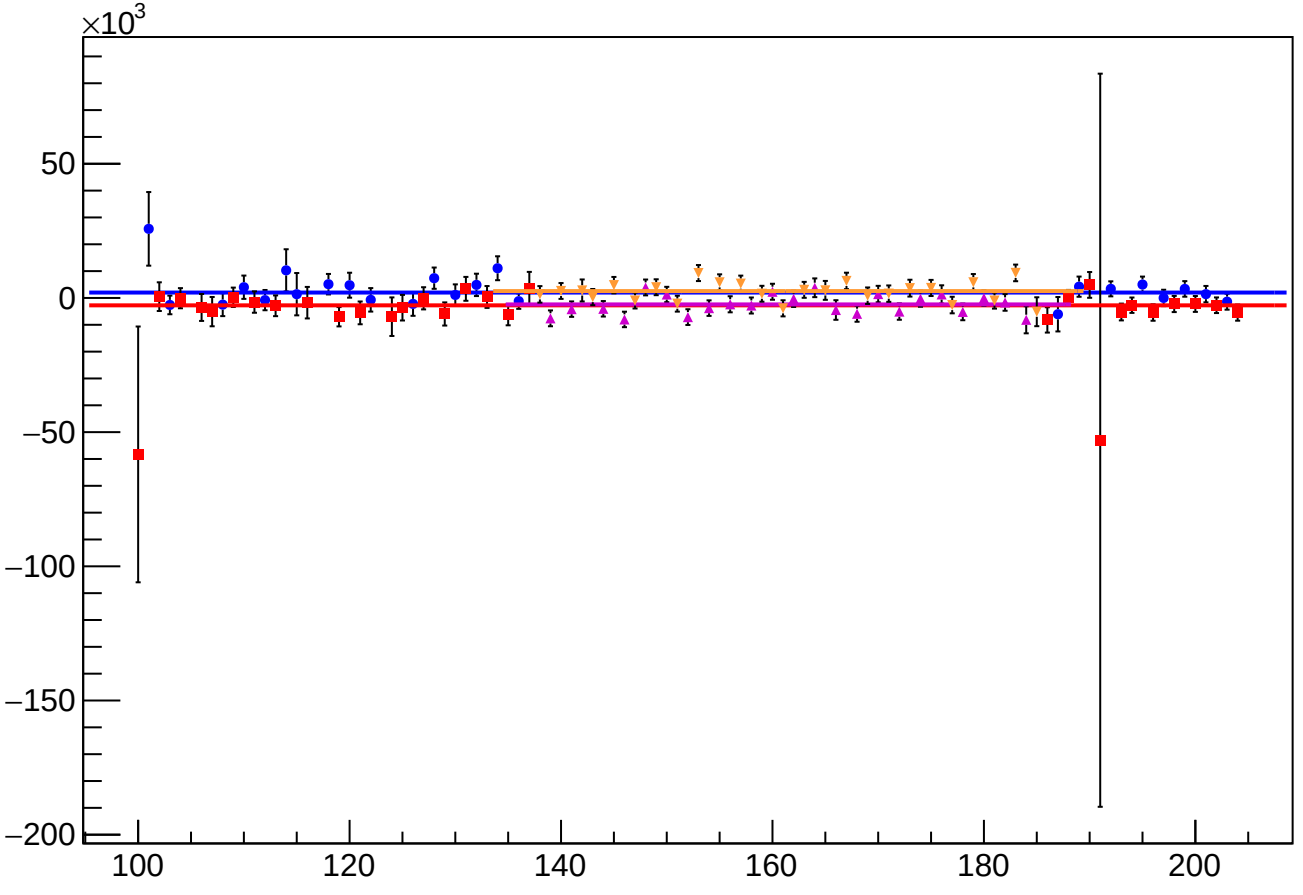
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 747.483+/-0.099 χ^2/NDF: 7329610.0/48

All: 737.618+/-0.069 χ^2/NDF: 15784669.3/10

- sign 728.304+/-0.096 χ^2/NDF: 8435772.3/52

eigen_cor_asym_atr1_mean vs Slug



Right In: 2014.417+/-776.941 χ^2/NDF: 23.0/23

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2752.951+/-722.656 χ^2/NDF: 18.0/29

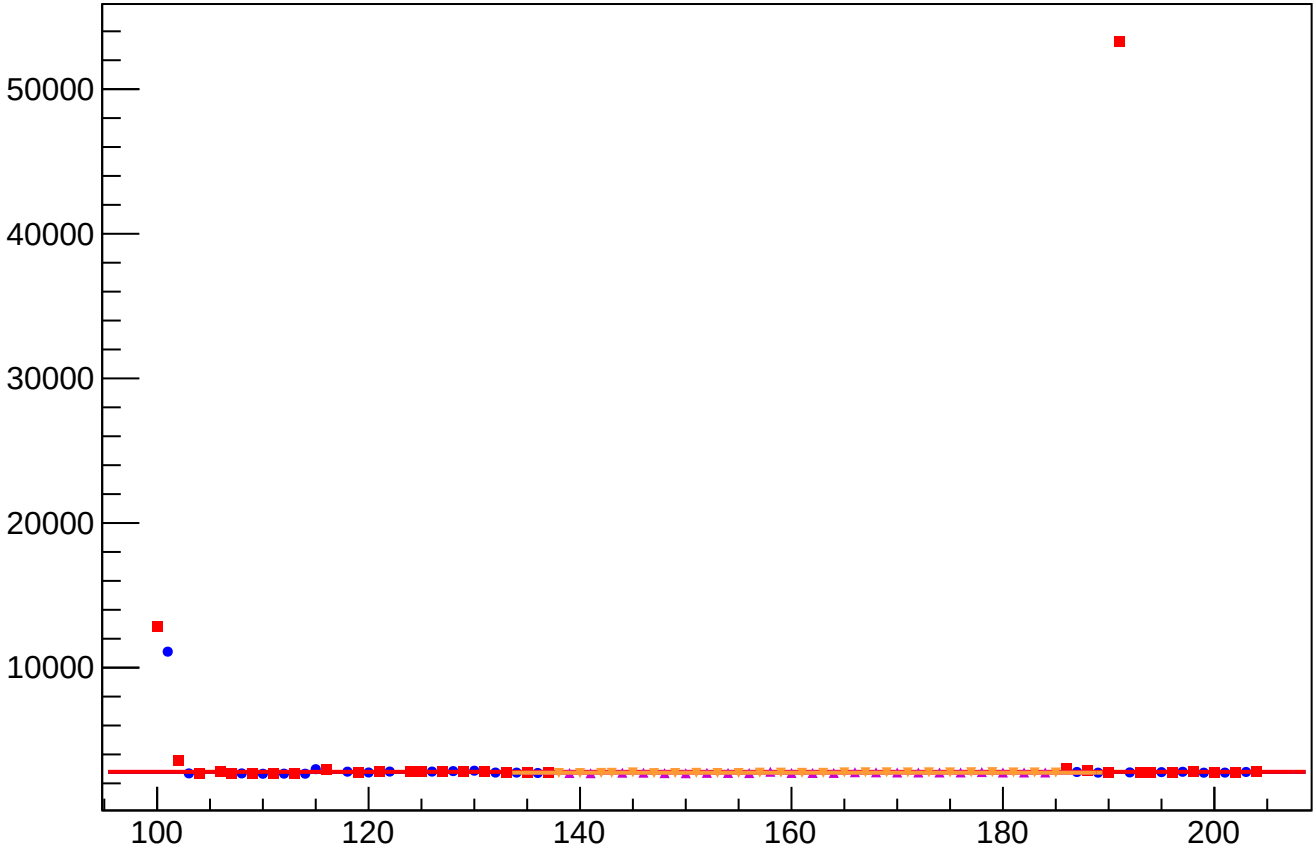
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2345.016+/-485.483 χ^2/NDF: 54.9/48

All: -140.347+/-340.974 χ^2/NDF: 156.1/101

- sign -2559.814+/-479.004 χ^2/NDF: 49.5/52

eigen_cor_asym_atr1_rms vs Slug



Right In: 2786.333+/-0.549 χ^2/NDF: 748394.8/23

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2795.943+/-0.511 χ^2/NDF: 478900.8/29

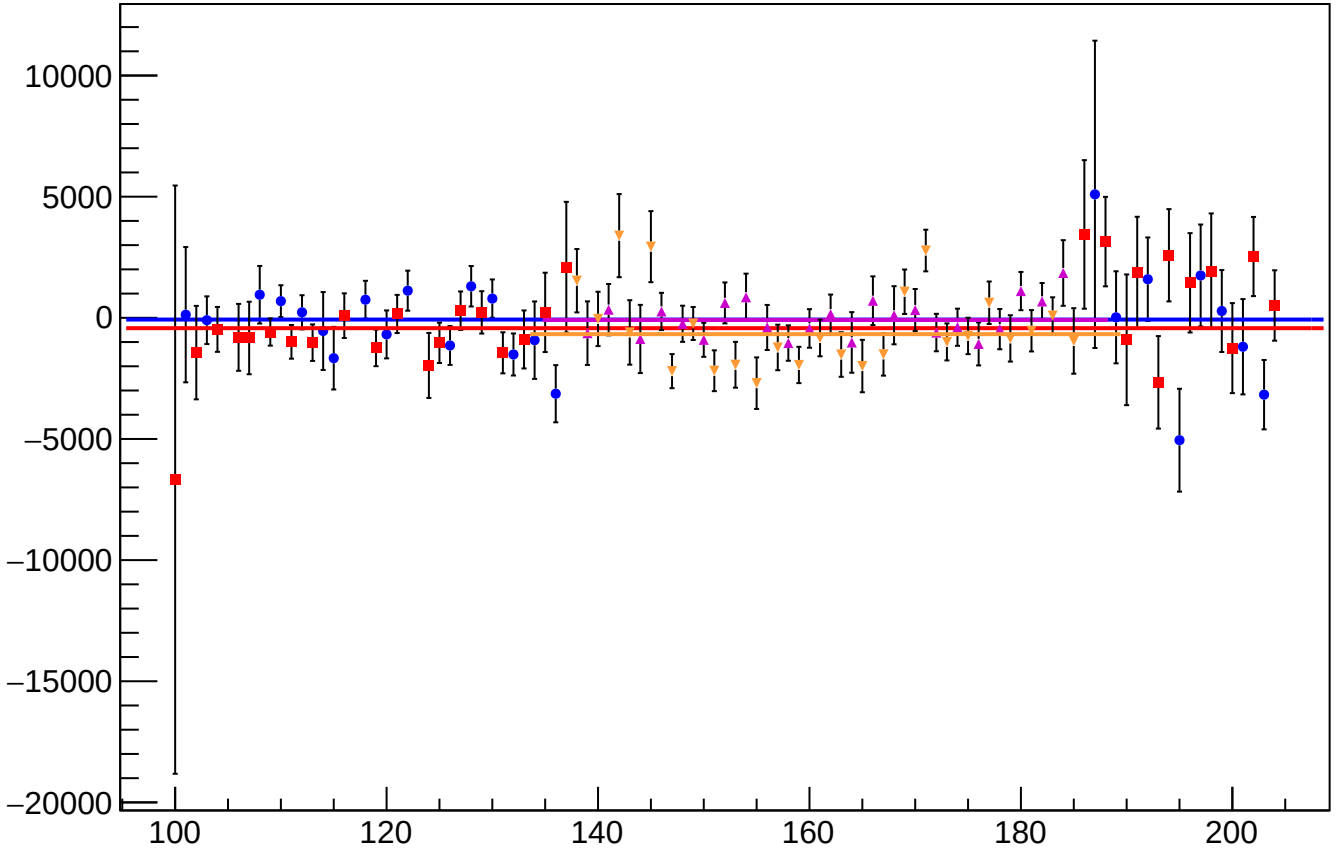
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.579+/-0.343 χ^2/NDF: 755524.7/48

All: 2760.594+/-0.241 χ^2/NDF: 1244809.9/10

- sign 2764.502+/-0.339 χ^2/NDF: 489015.3/52

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: -71.550+/-220.713 χ^2/NDF: 35.8/23

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -427.523+/-202.935 χ^2/NDF: 25.9/29

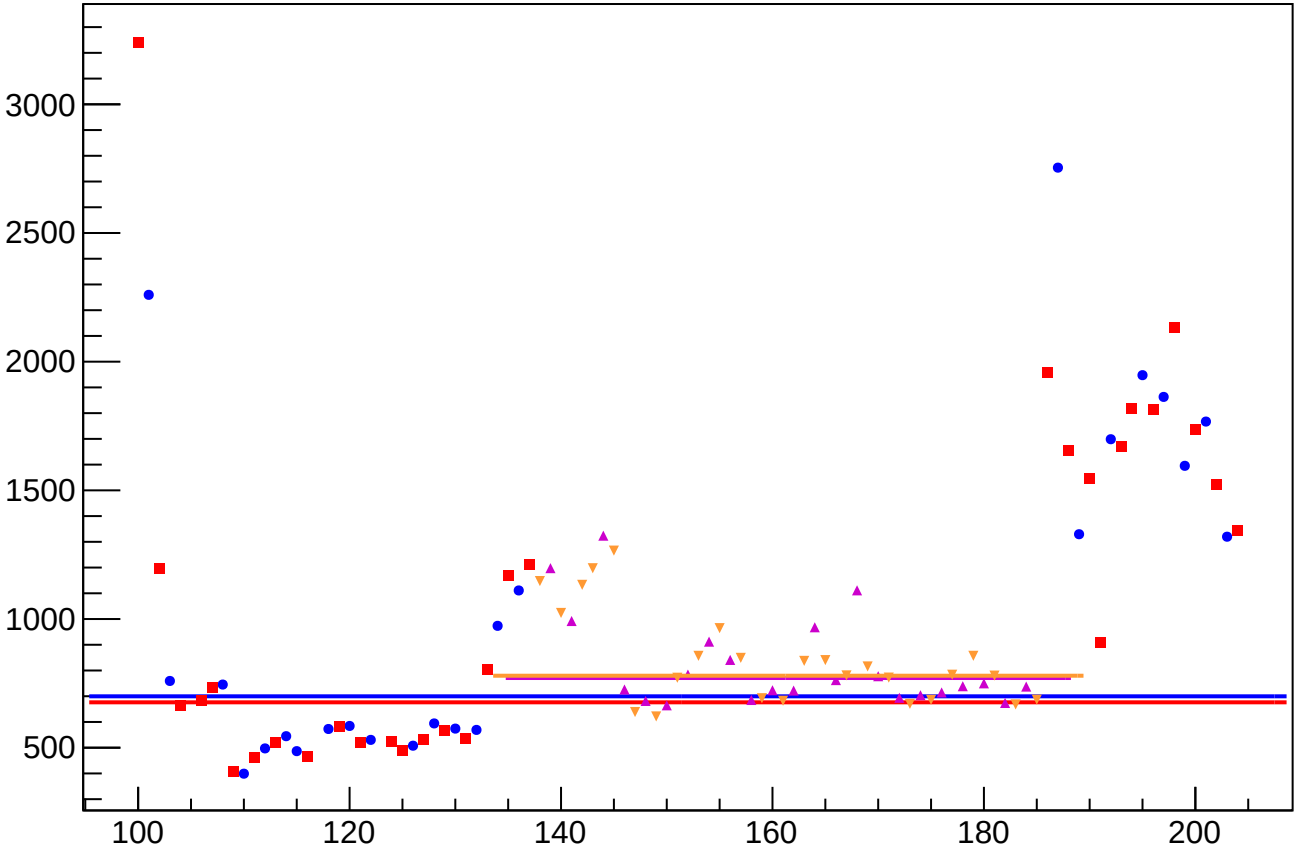
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -431.154+/-140.063 χ^2/NDF: 98.6/48

All: -333.674+/-97.610 χ^2/NDF: 141.7/101

- sign -241.626+/-136.105 χ^2/NDF: 42.2/52

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 699.679+/-0.156 χ^2/NDF: 5928763.7/23

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 676.326+/-0.143 χ^2/NDF: 7121008.7/29

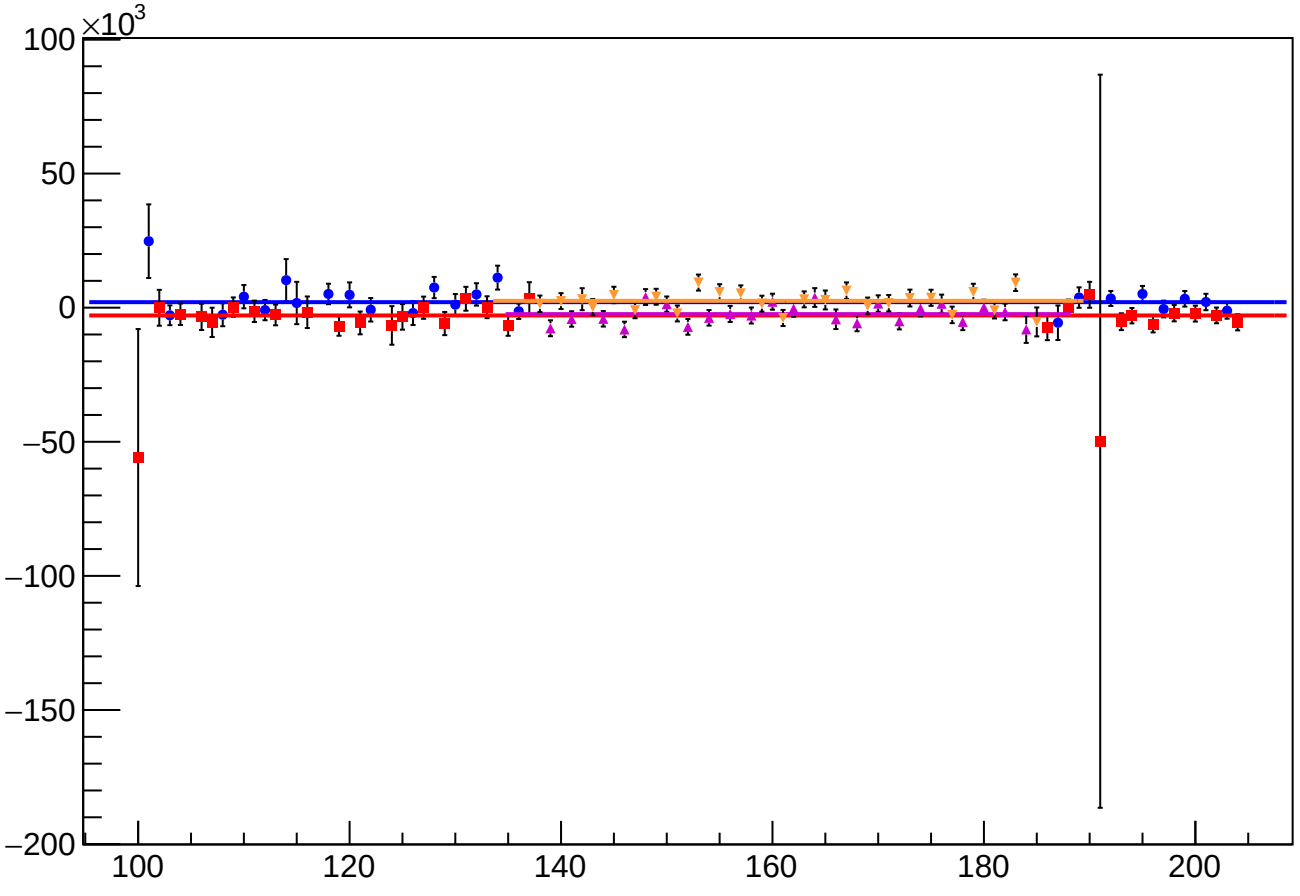
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 747.483+/-0.099 χ^2/NDF: 7329610.0/48

All: 737.618+/-0.069 χ^2/NDF: 15784669.3/10

- sign 728.304+/-0.096 χ^2/NDF: 8435772.3/52

dit_asym_atr1_mean vs Slug



Right In: 2054.491+/-781.926 χ^2/NDF: 22.8/23

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2903.290+/-728.723 χ^2/NDF: 17.0/29

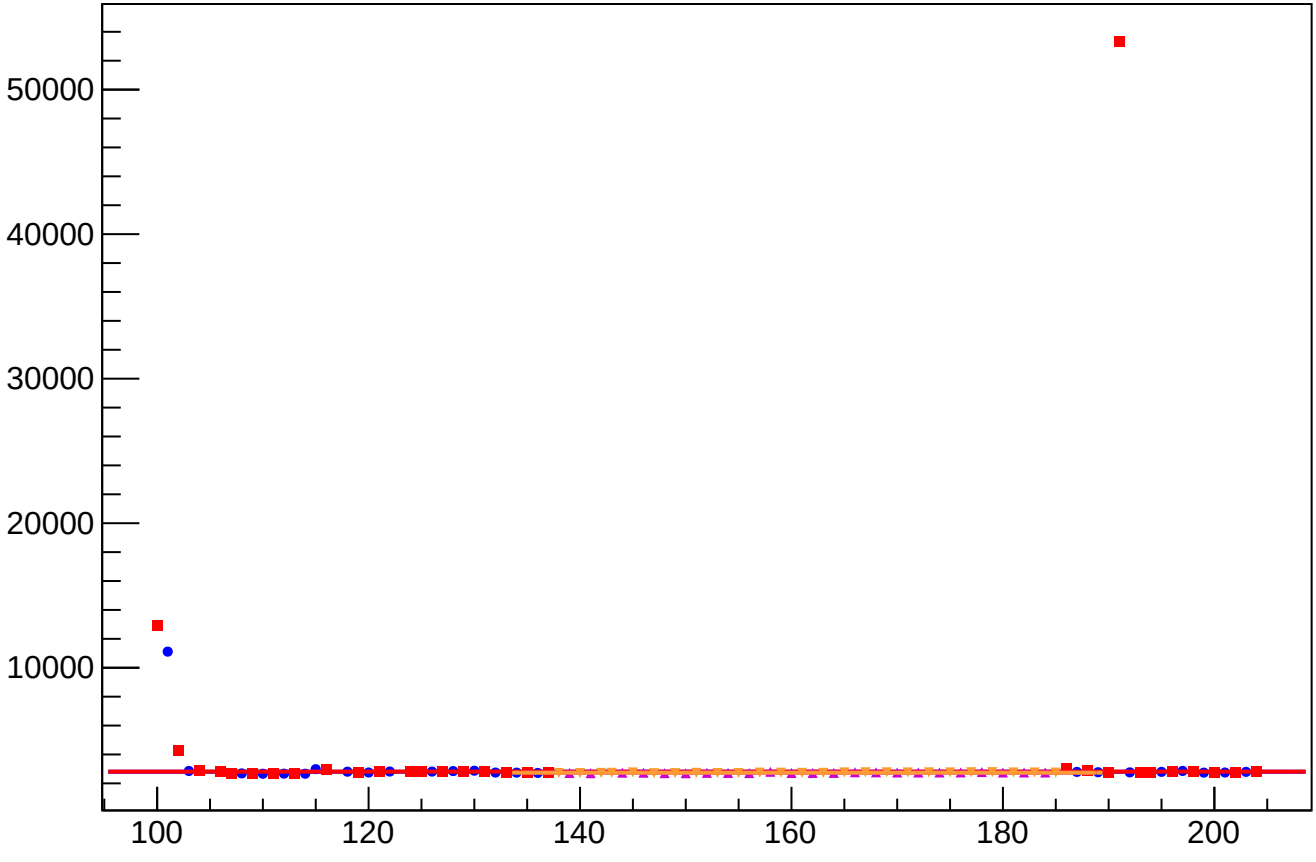
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2354.844+/-486.887 χ^2/NDF: 54.9/48

All: -164.850+/-342.148 χ^2/NDF: 157.0/101

- sign -2623.061+/-480.910 χ^2/NDF: 49.1/52

dit_asym_atr1_rms vs Slug



Right In: 2804.065+/-0.553 χ^2/NDF: 747267.7/23

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2813.230+/-0.515 χ^2/NDF: 532222.4/29

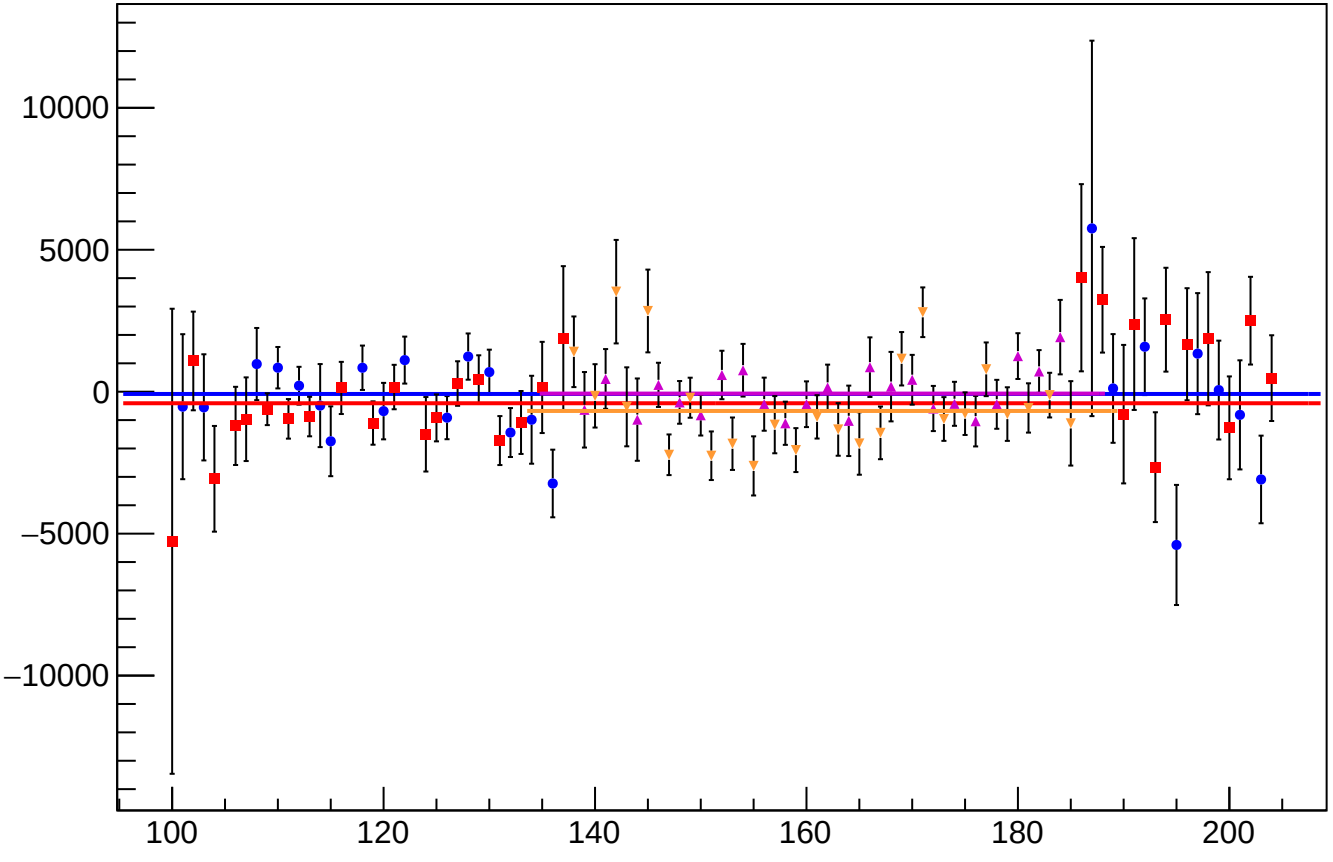
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.414+/-0.344 χ^2/NDF: 757989.9/48

All: 2768.597+/-0.242 χ^2/NDF: 1304845.5/10

- sign 2772.678+/-0.340 χ^2/NDF: 546563.9/52

asym_atr1_dit_correction_mean vs Slug



Right In: -79.475+/-224.509 χ^2/NDF: 35.4/23

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -406.626+/-203.944 χ^2/NDF: 29.6/29

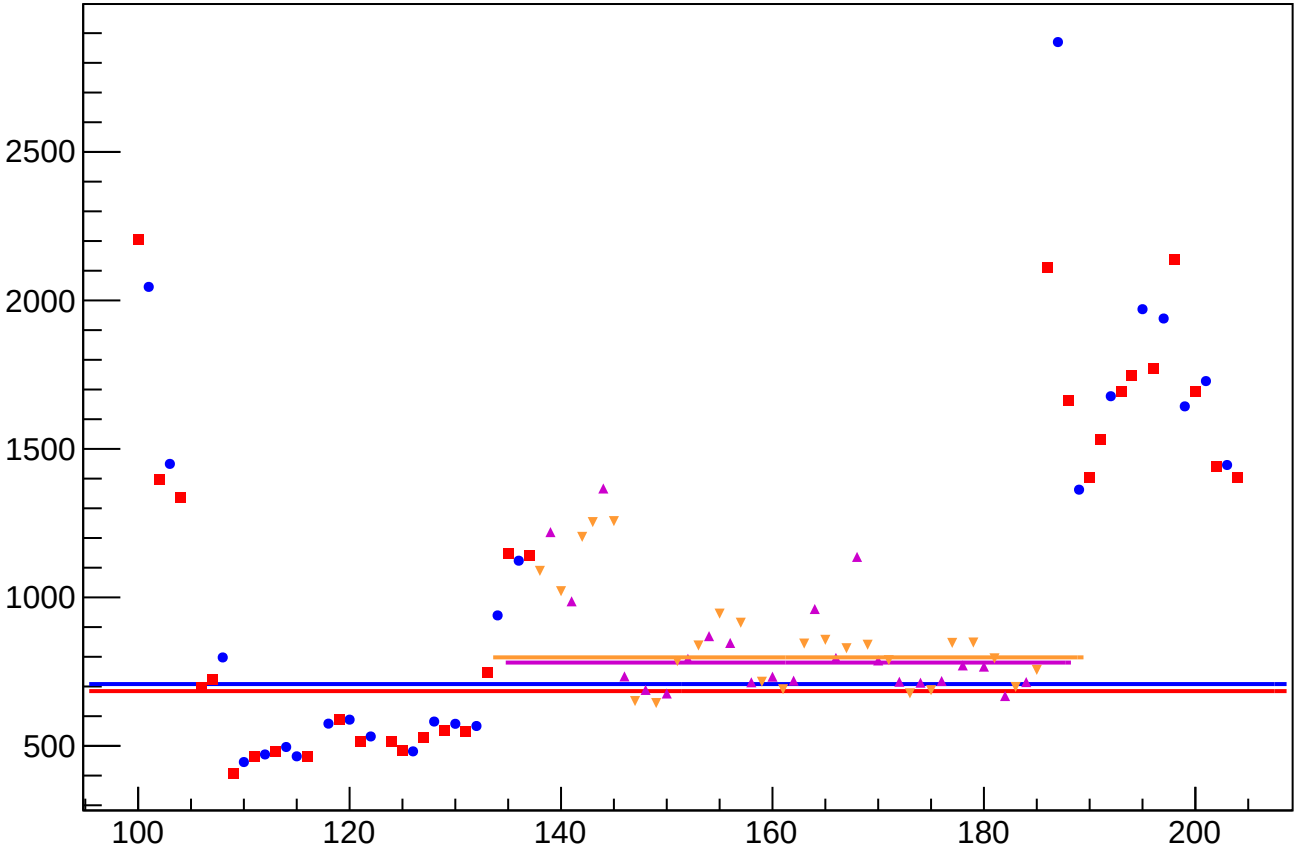
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -436.077+/-142.775 χ^2/NDF: 95.9/48

All: -324.150+/-98.927 χ^2/NDF: 144.0/101

- sign -220.791+/-137.201 χ^2/NDF: 47.0/52

asym_atr1_dit_correction_rms vs Slug



Right In: 708.163+/-0.159 χ^2/NDF: 6379674.7/23

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 684.454+/-0.144 χ^2/NDF: 7716076.5/29

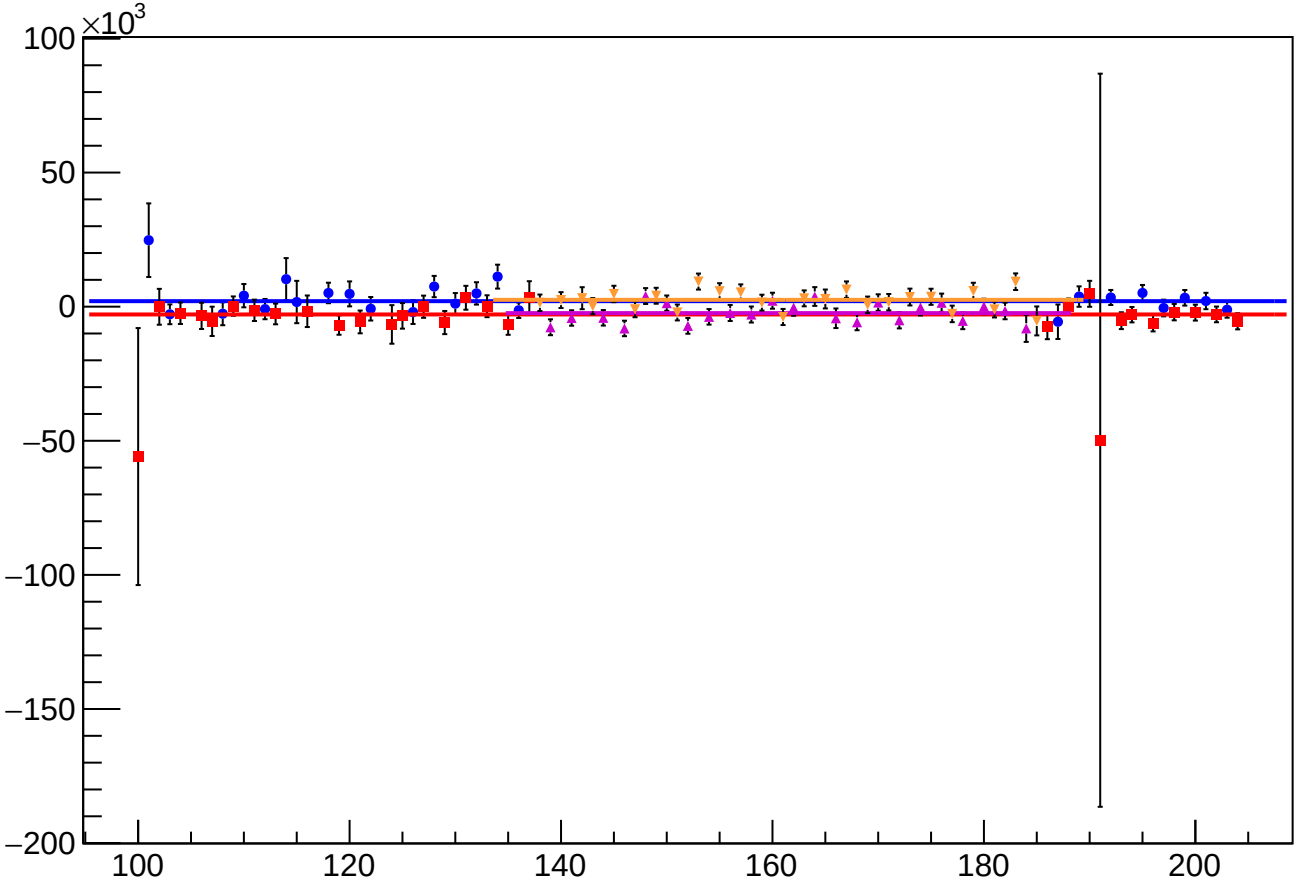
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 761.722+/-0.101 χ^2/NDF: 7739141.5/48

All: 748.893+/-0.070 χ^2/NDF: 16794058.6/10

- sign 737.046+/-0.097 χ^2/NDF: 9023856.4/52

eigen_dit_asym_atr1_mean vs Slug



Right In: 2054.491+/-781.926 χ^2/NDF: 22.8/23

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2903.287+/-728.723 χ^2/NDF: 17.0/29

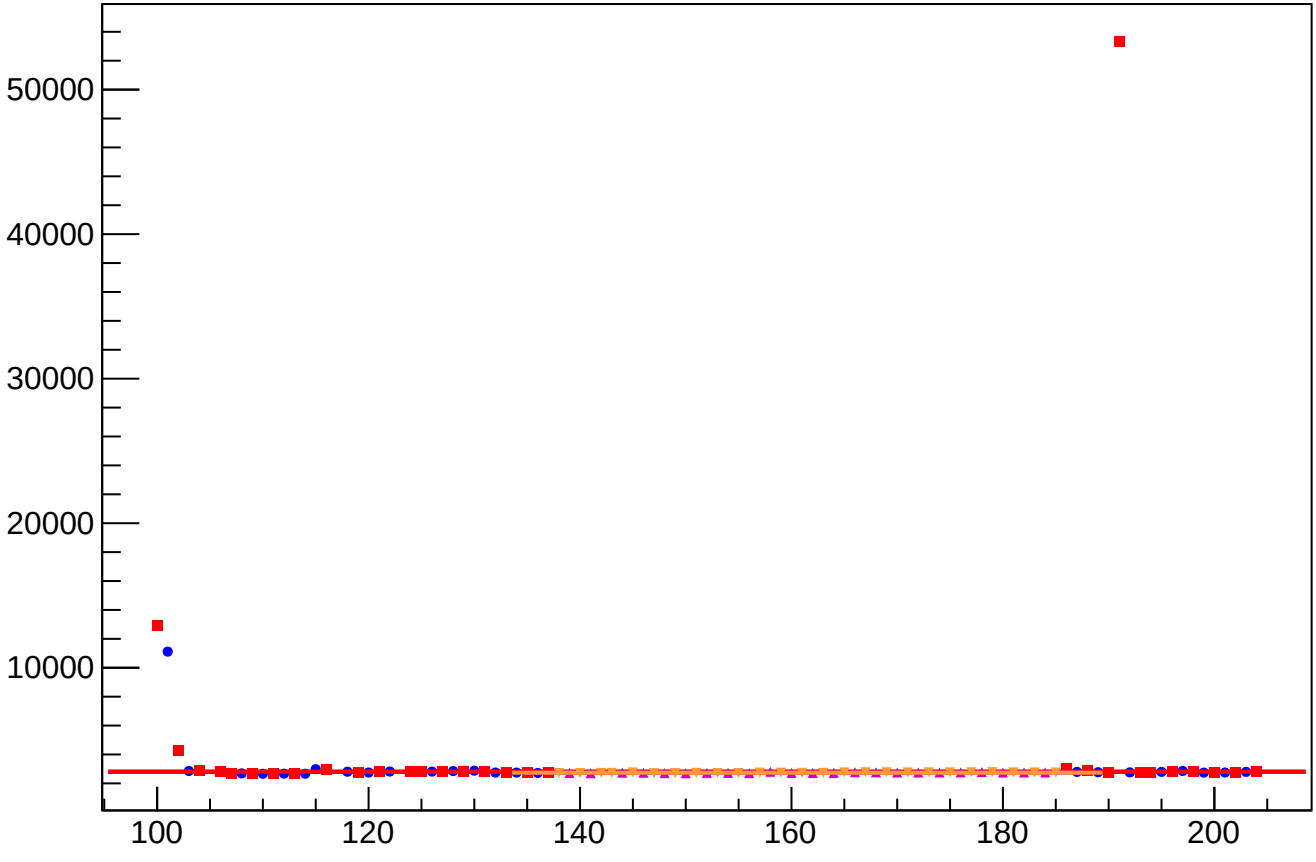
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2354.844+/-486.887 χ^2/NDF: 54.9/48

All: -164.849+/-342.148 χ^2/NDF: 157.0/101

- sign -2623.060+/-480.910 χ^2/NDF: 49.1/52

eigen_dit_asym_atr1_rms vs Slug



Right In: 2804.065+/-0.553 χ^2/NDF: 747267.7/23

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2813.230+/-0.515 χ^2/NDF: 532222.2/29

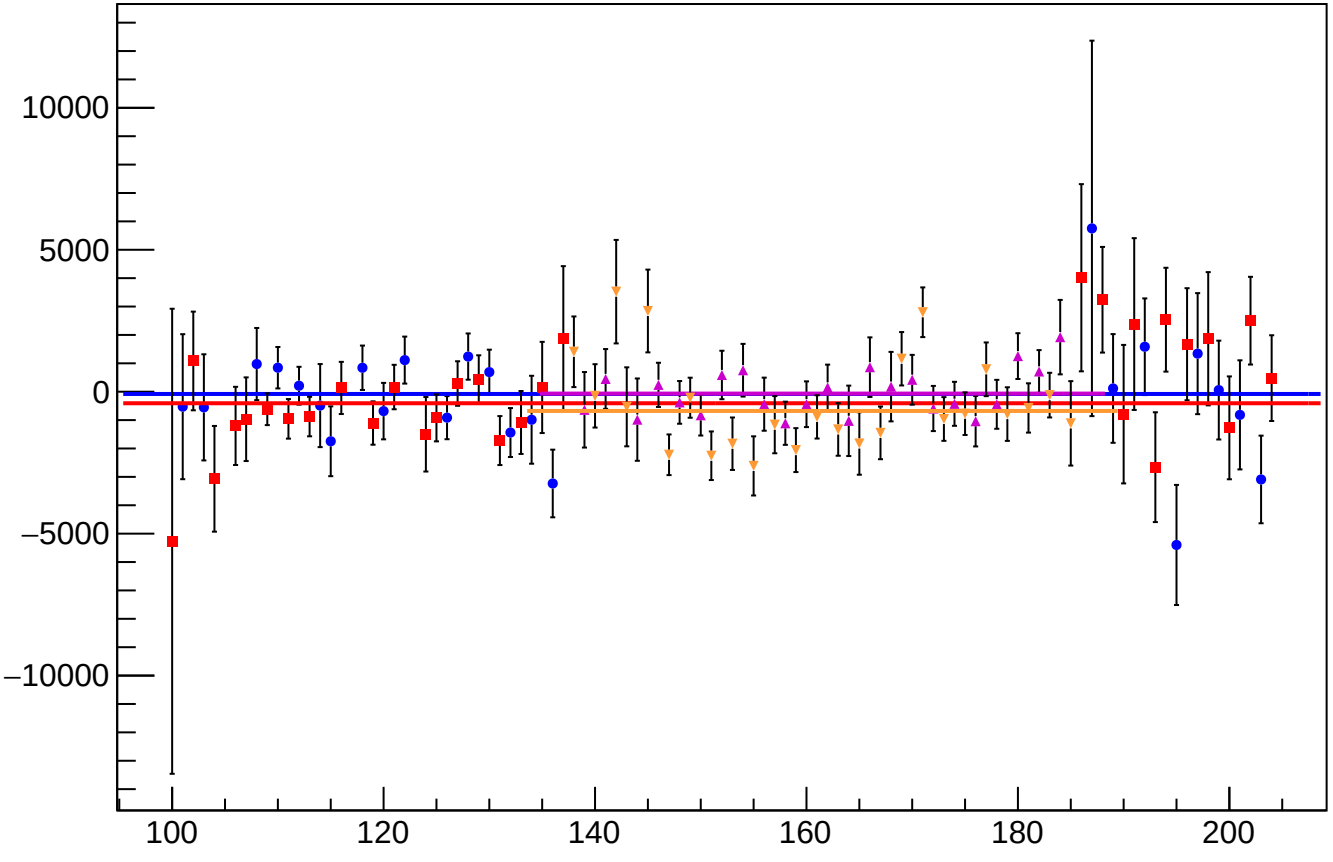
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.413+/-0.344 χ^2/NDF: 757989.8/48

All: 2768.597+/-0.242 χ^2/NDF: 1304845.2/10

- sign 2772.678+/-0.340 χ^2/NDF: 546563.7/52

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -79.474+/-224.509 χ^2/NDF: 35.4/23

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -406.626+/-203.944 χ^2/NDF: 29.6/29

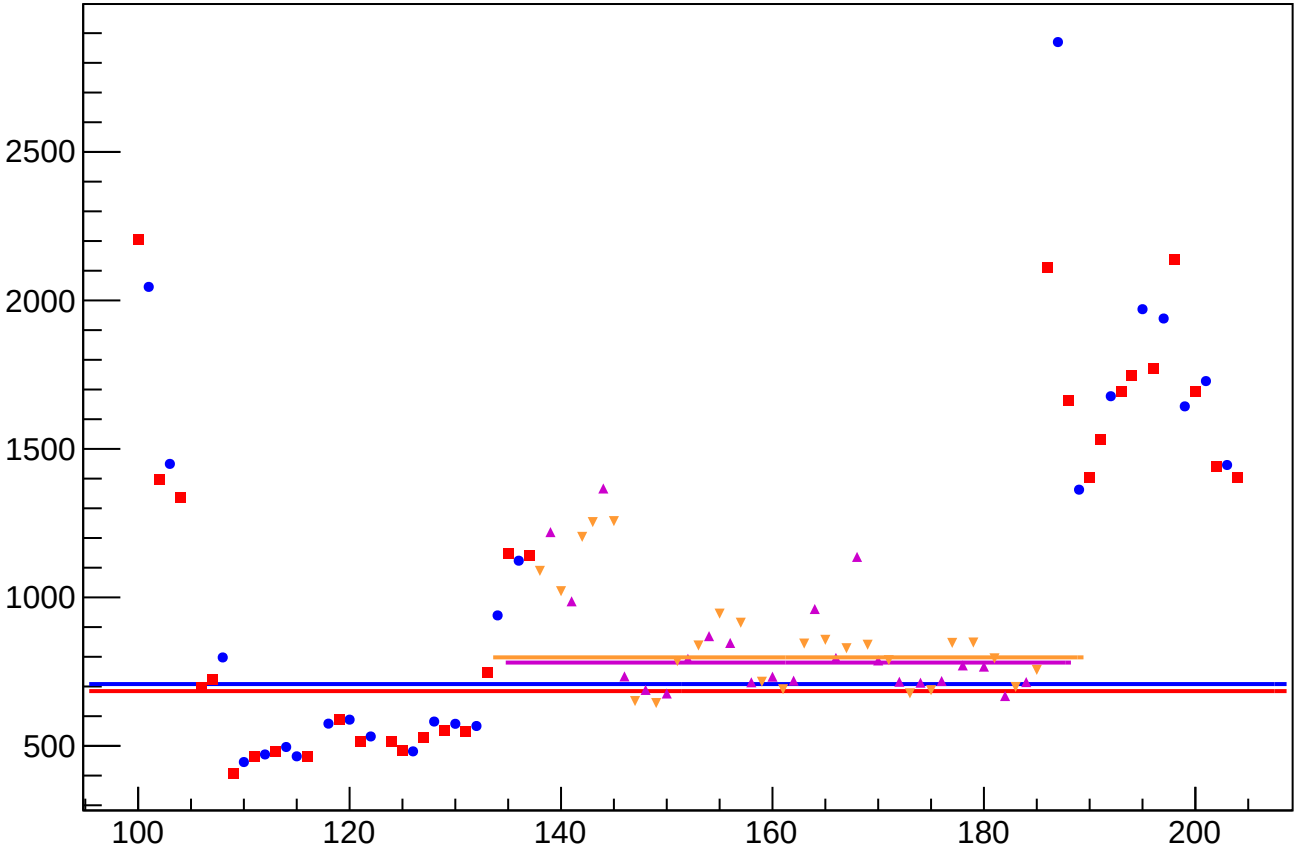
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

\+ sign -436.078+/-142.775 χ^2/NDF: 95.9/48

All: -324.150+/-98.927 χ^2/NDF: 144.0/101

\- sign -220.791+/-137.201 χ^2/NDF: 47.0/52

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 708.164+/-0.159 χ^2/NDF: 6379671.7/23

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 684.454+/-0.144 χ^2/NDF: 7716080.2/29

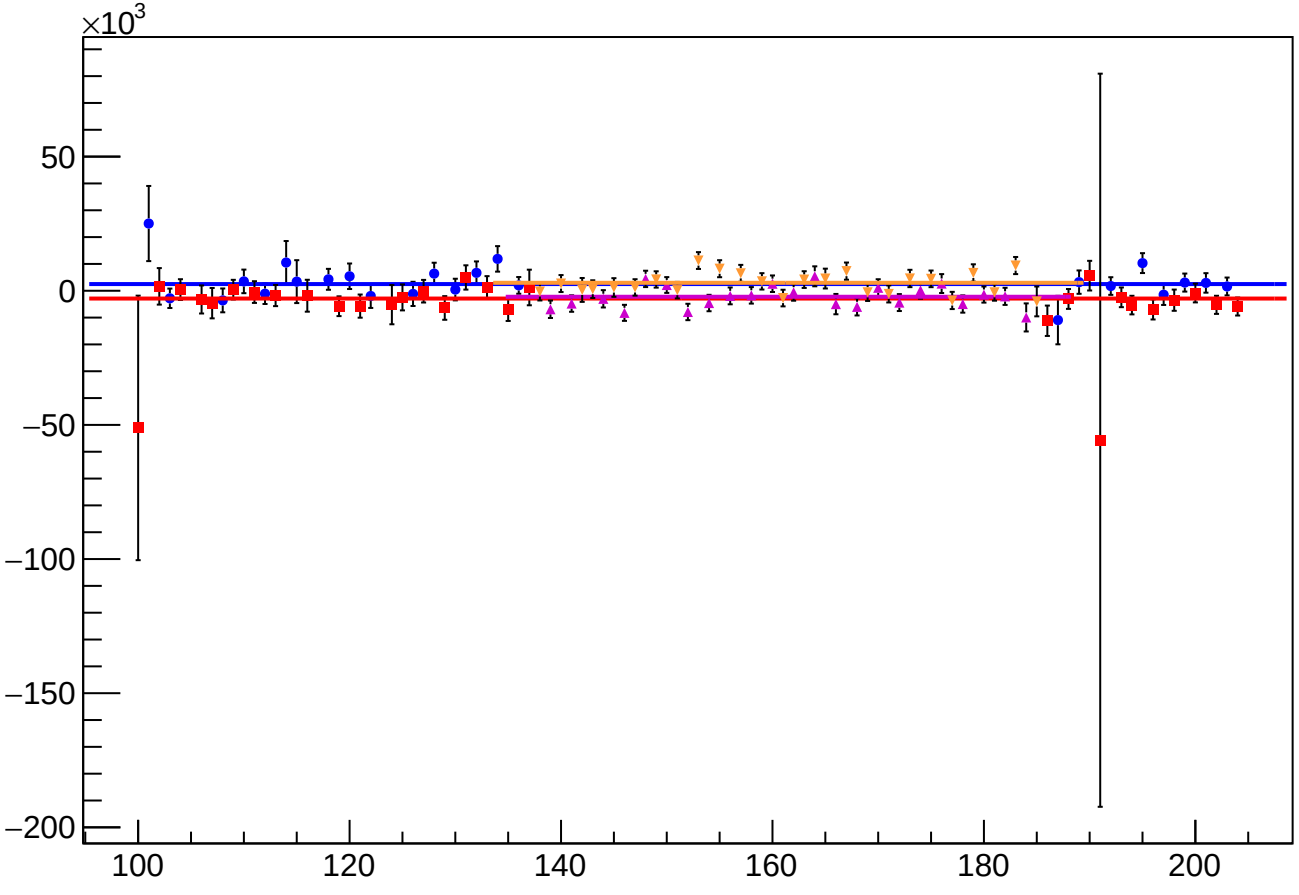
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 761.723+/-0.101 χ^2/NDF: 7739138.6/48

All: 748.893+/-0.070 χ^2/NDF: 16794061.7/10

- sign 737.046+/-0.097 χ^2/NDF: 9023861.7/52

asym_atr1_mean vs Slug



Right In: 2494.283+/-854.090 χ^2/NDF: 24.8/23

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -2903.710+/-802.356 χ^2/NDF: 19.0/29

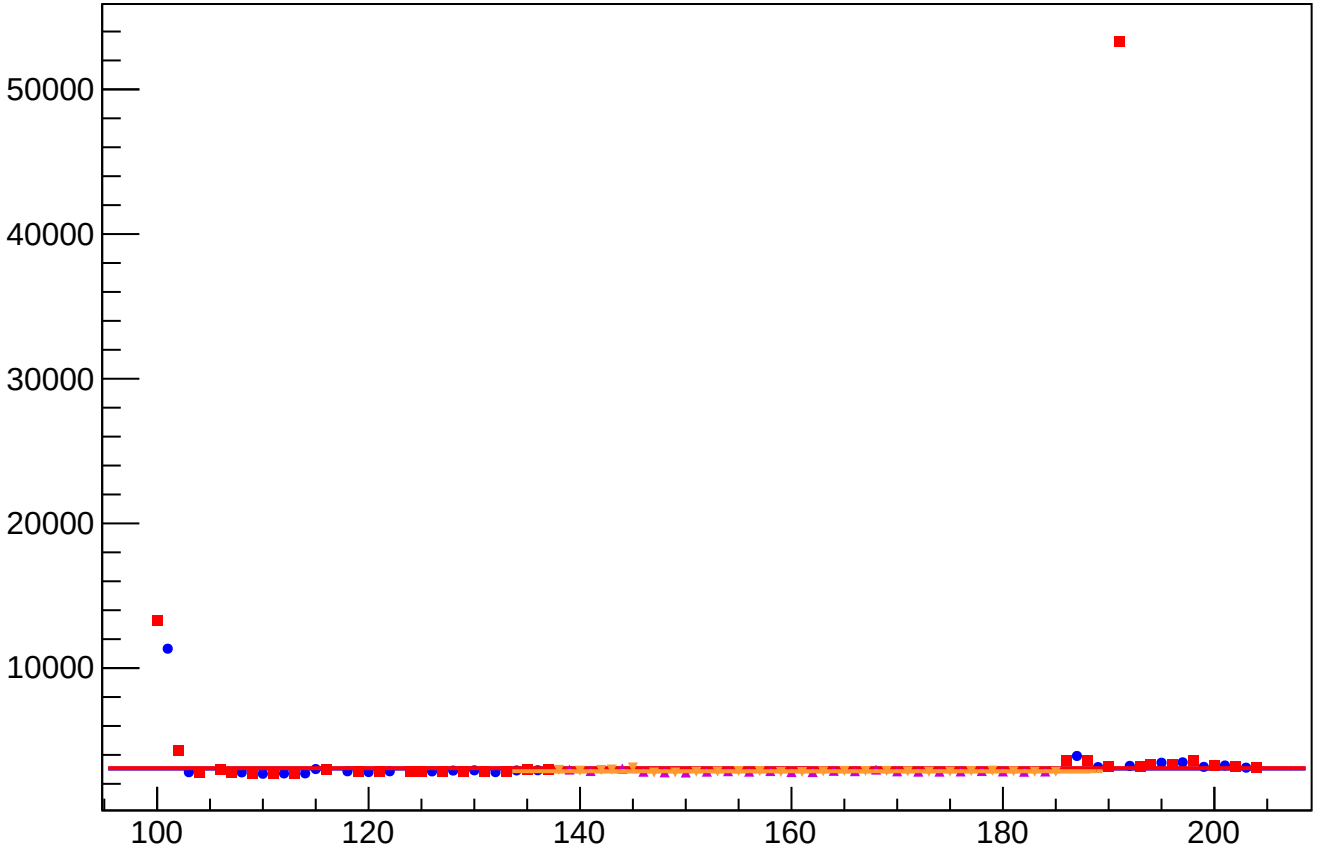
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2793.990+/-518.896 χ^2/NDF: 60.7/48

All: 118.358+/-365.324 χ^2/NDF: 166.6/101

- sign -2511.351+/-514.424 χ^2/NDF: 53.2/52

asym_atr1_rms vs Slug



Right In: 3053.428+/-0.604 χ^2/NDF: 866902.3/23

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3081.981+/-0.567 χ^2/NDF: 714134.3/29

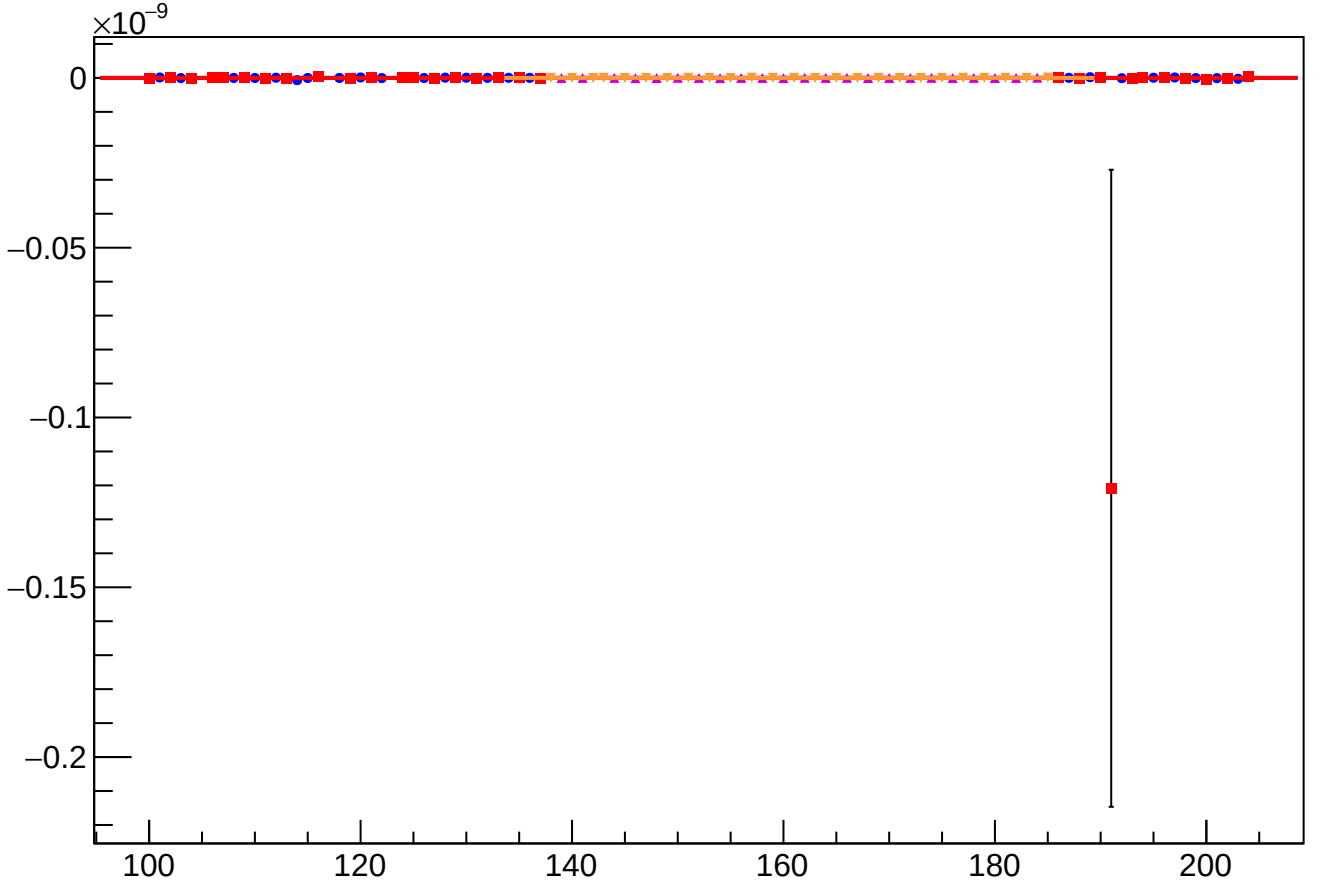
Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2940.817+/-0.367 χ^2/NDF: 943801.1/48

All: 2949.094+/-0.258 χ^2/NDF: 1758730.3/10

- sign 2957.228+/-0.364 χ^2/NDF: 813920.3/52

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.8/29

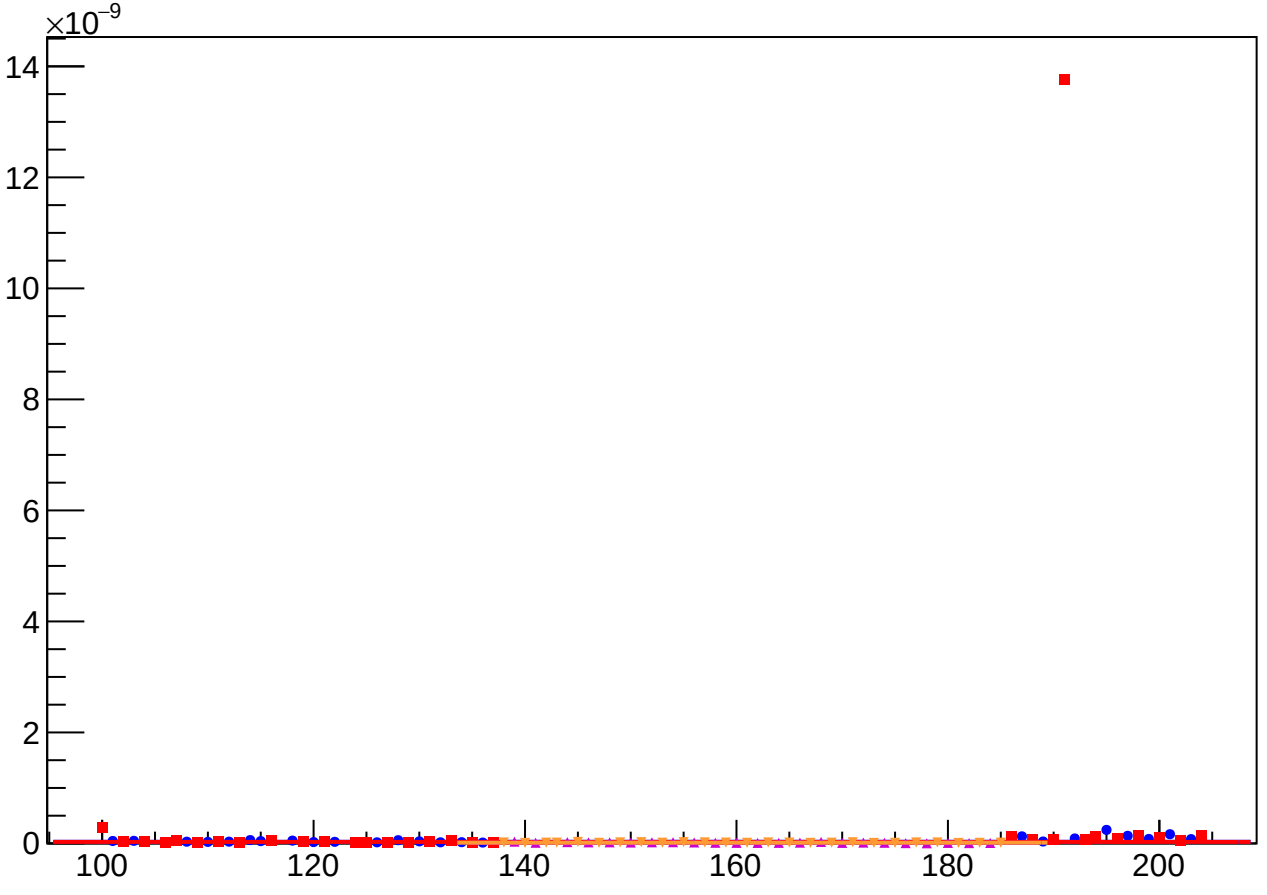
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.6/48

All: 0.000+/-0.000 χ^2/NDF: 101.2/101

- sign 0.000+/-0.000 χ^2/NDF: 67.5/52

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3405350.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3477235.6/29

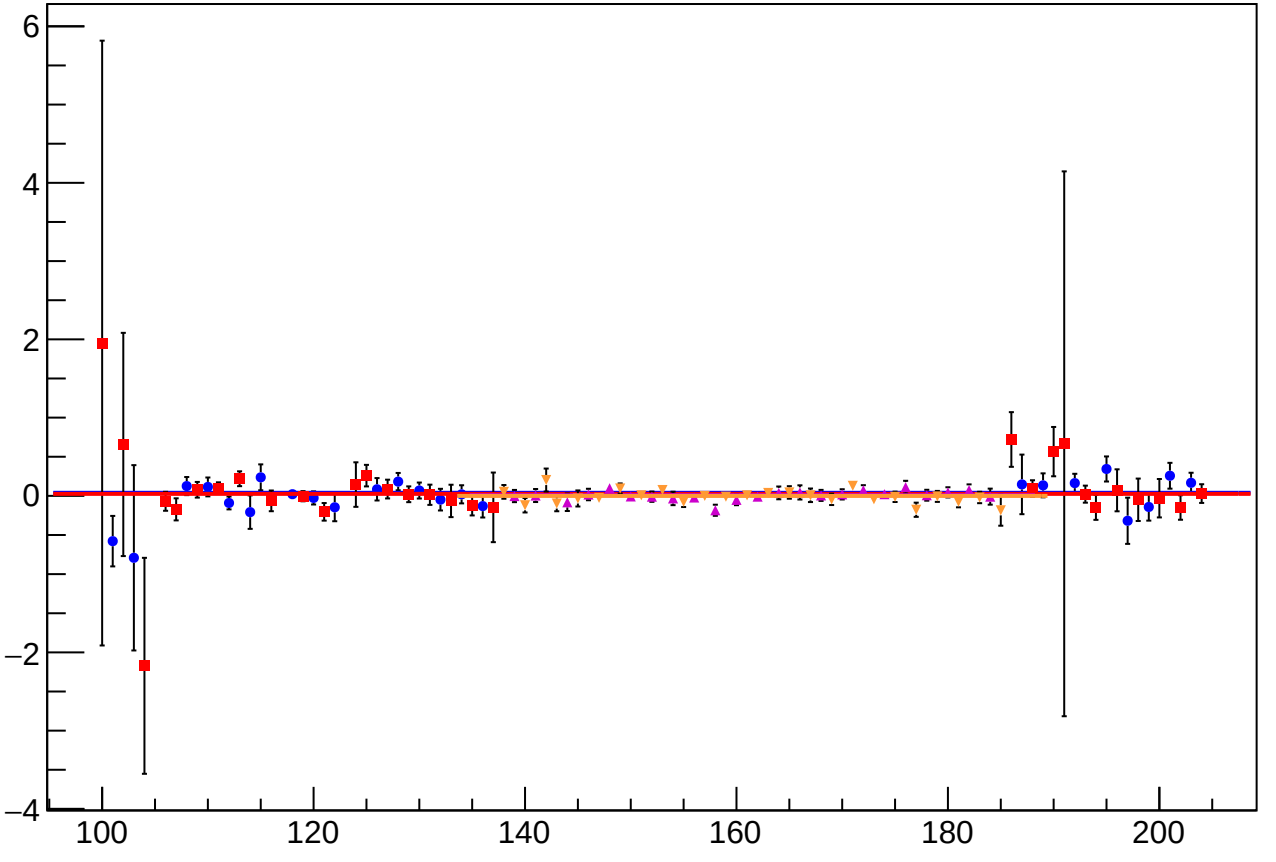
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6391493.0/48

All: 0.000+/-0.000 χ^2/NDF: 15512790.3/101

- sign 0.000+/-0.000 χ^2/NDF: 8854475.7/52

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.039+/-0.025 χ^2/NDF: 26.2/23

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.026+/-0.025 χ^2/NDF: 30.7/29

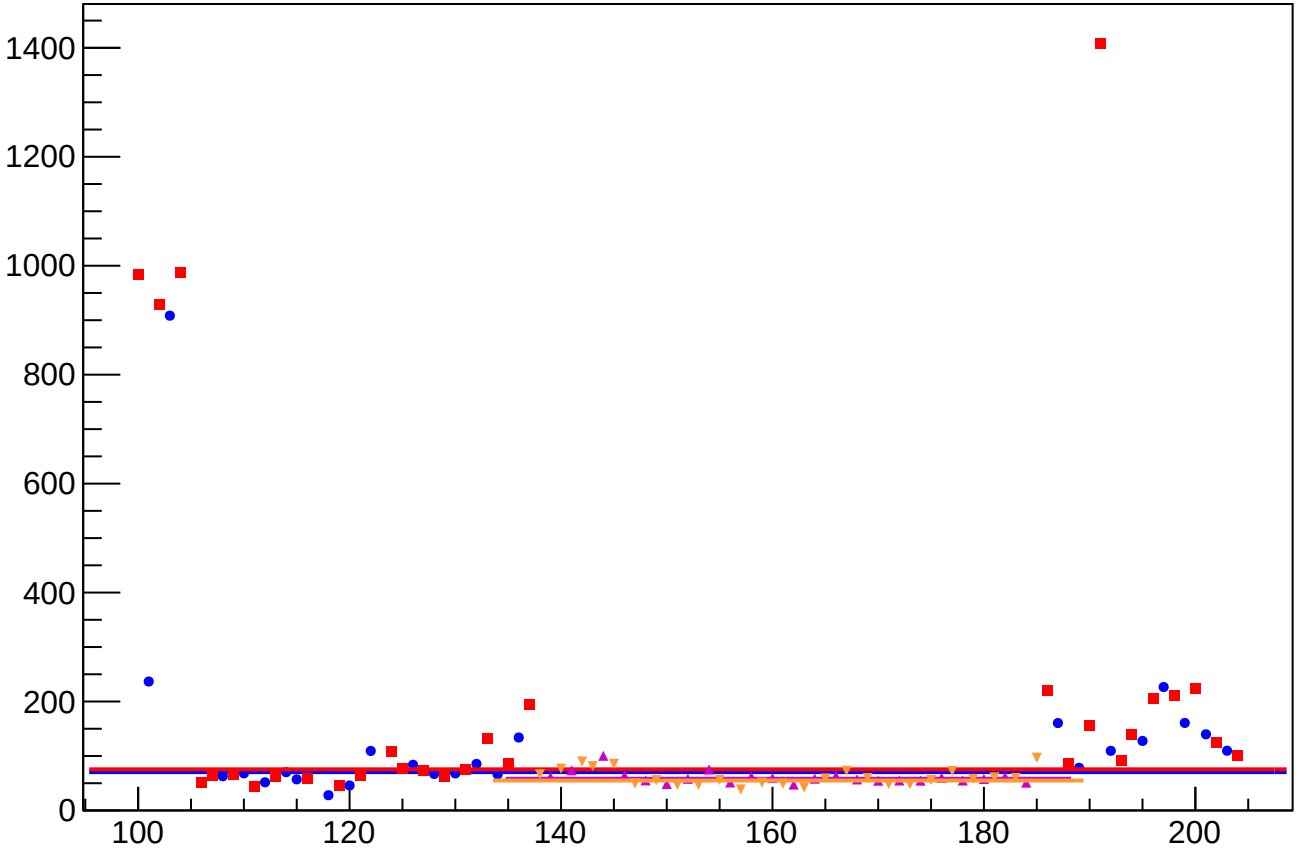
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 50.7/48

All: 0.011+/-0.009 χ^2/NDF: 97.3/101

- sign 0.013+/-0.013 χ^2/NDF: 46.6/52

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 70.411+/-0.018 χ^2/NDF: 5859942.0/23

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

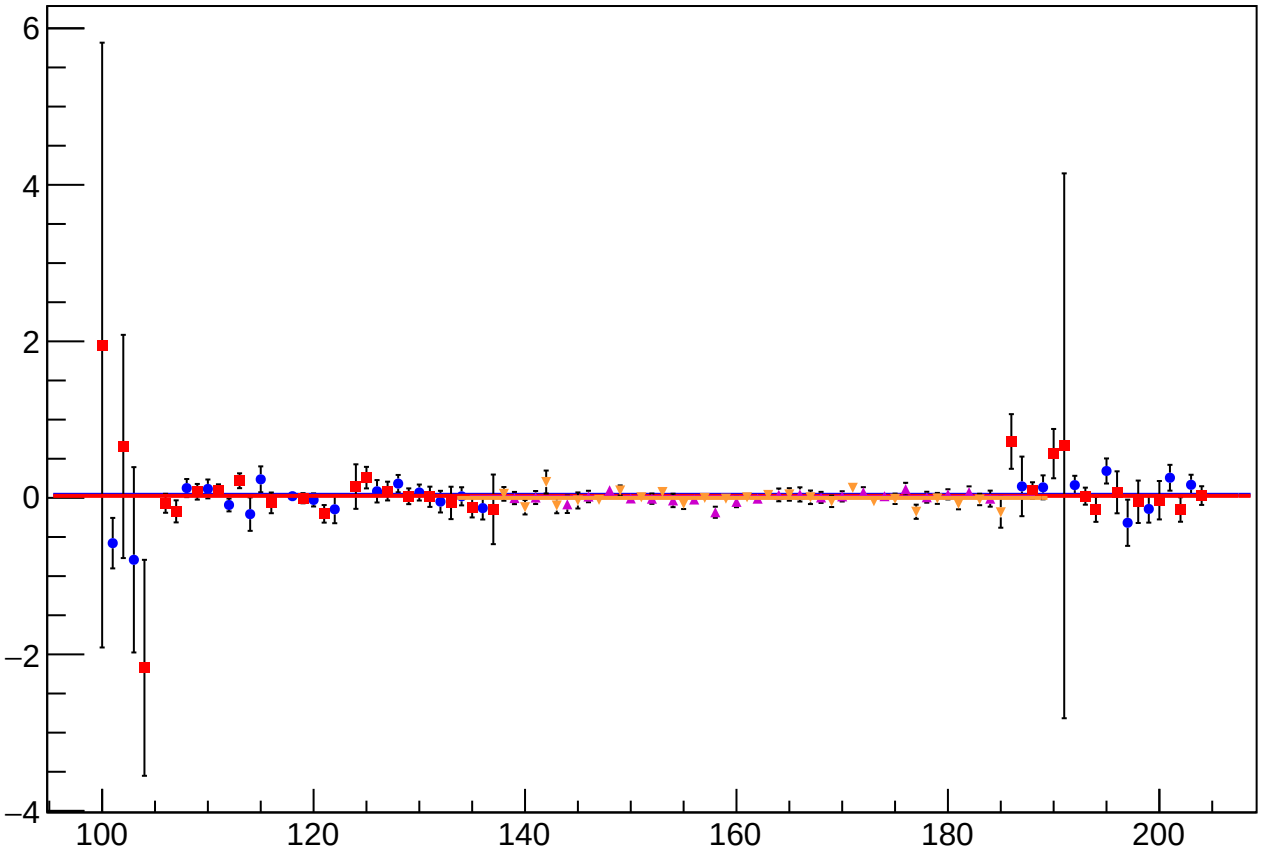
Right Out: 75.486+/-0.017 χ^2/NDF: 6226722.8/29

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 58.650+/-0.009 χ^2/NDF: 7737214.3/48

All: 60.645+/-0.006 χ^2/NDF: 15461506.7/101

- sign 62.776+/-0.009 χ^2/NDF: 7615234.1/52



Right In: 0.039+/-0.025 χ^2/NDF: 26.2/23

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.026+/-0.025 χ^2/NDF: 30.7/29

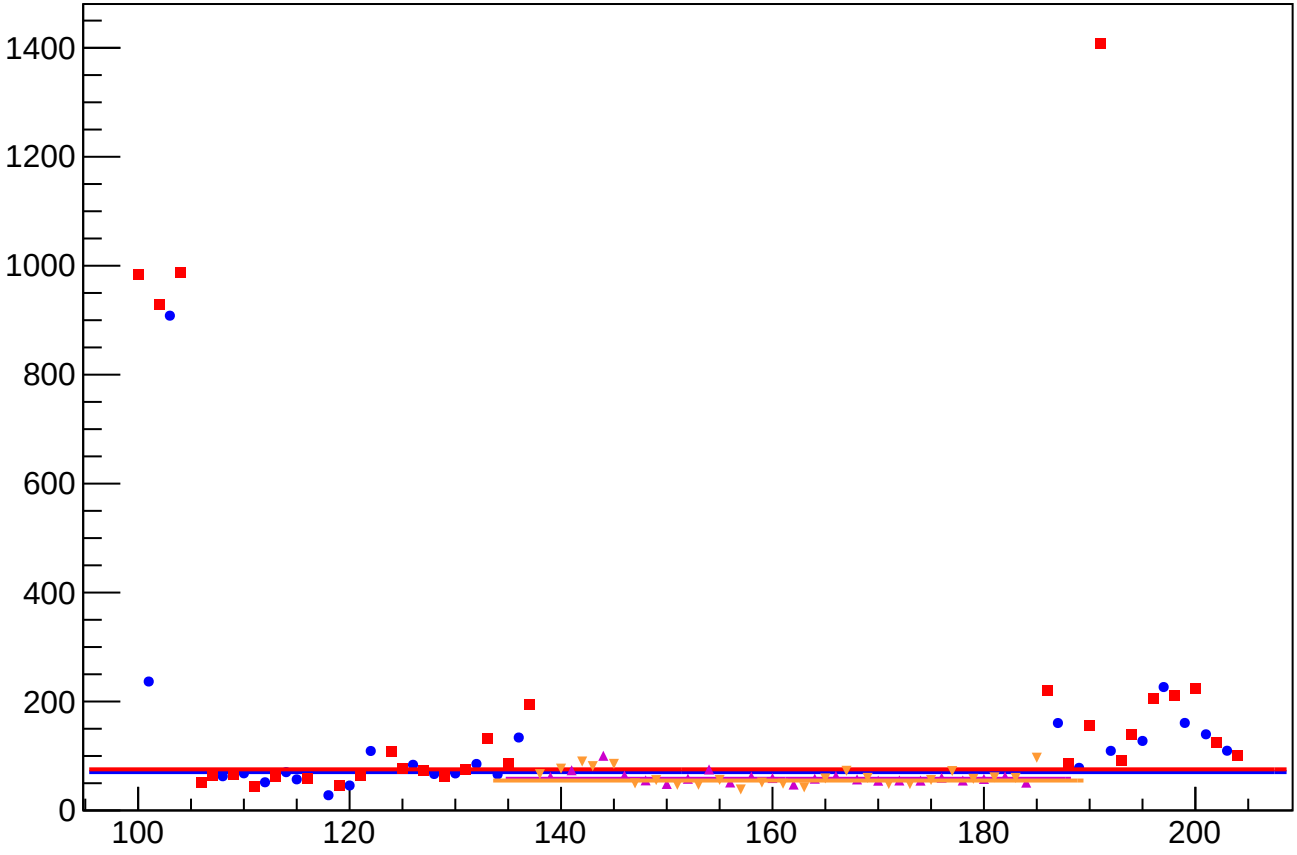
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 50.7/48

All: 0.011+/-0.009 χ^2/NDF: 97.3/101

- sign 0.013+/-0.013 χ^2/NDF: 46.6/52

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.411+/-0.018 χ^2/NDF: 5859942.0/23

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 75.486+/-0.017 χ^2/NDF: 6226722.8/29

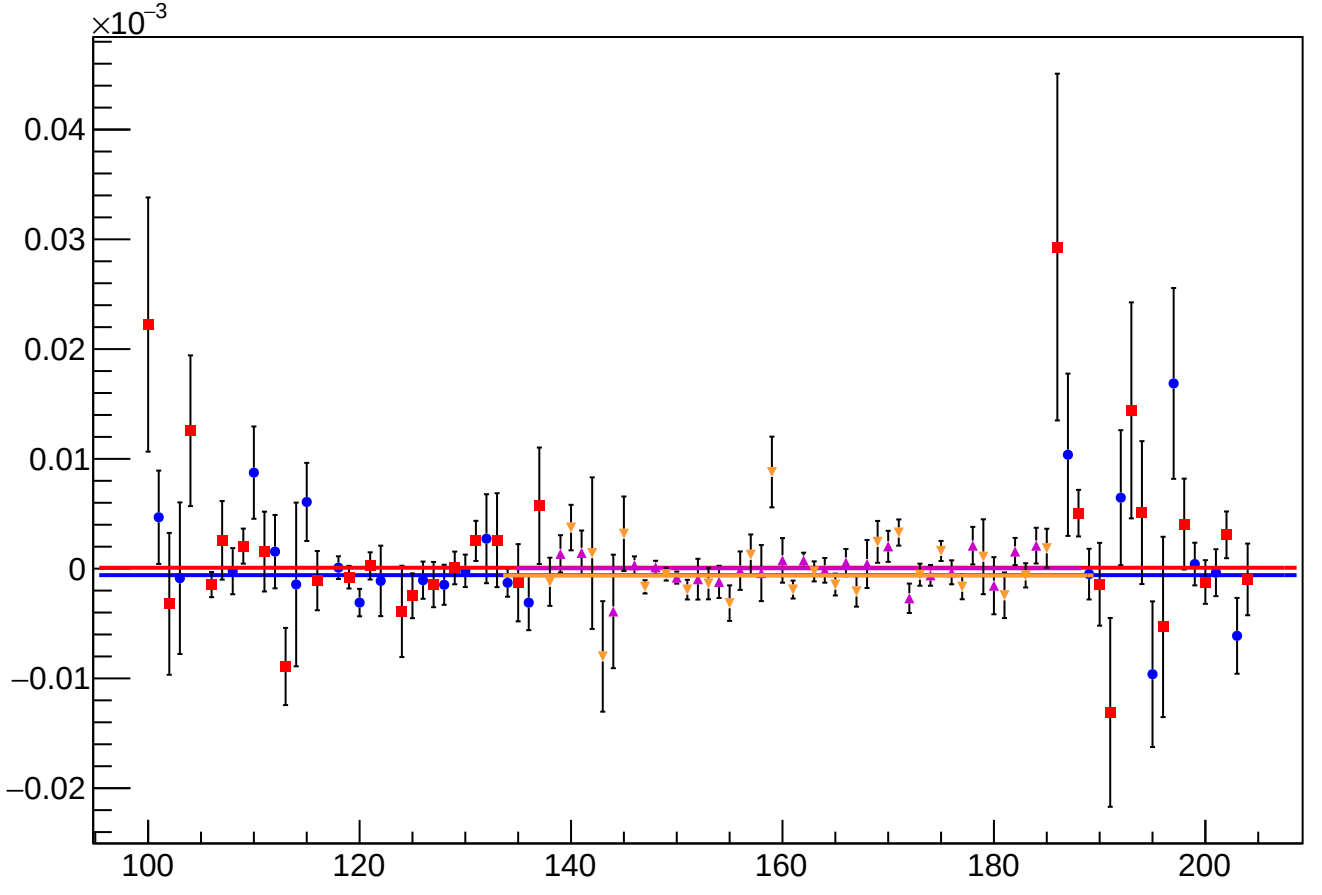
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 58.650+/-0.009 χ^2/NDF: 7737214.3/48

All: 60.645+/-0.006 χ^2/NDF: 15461506.7/101

- sign 62.776+/-0.009 χ^2/NDF: 7615234.1/52

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.1/29

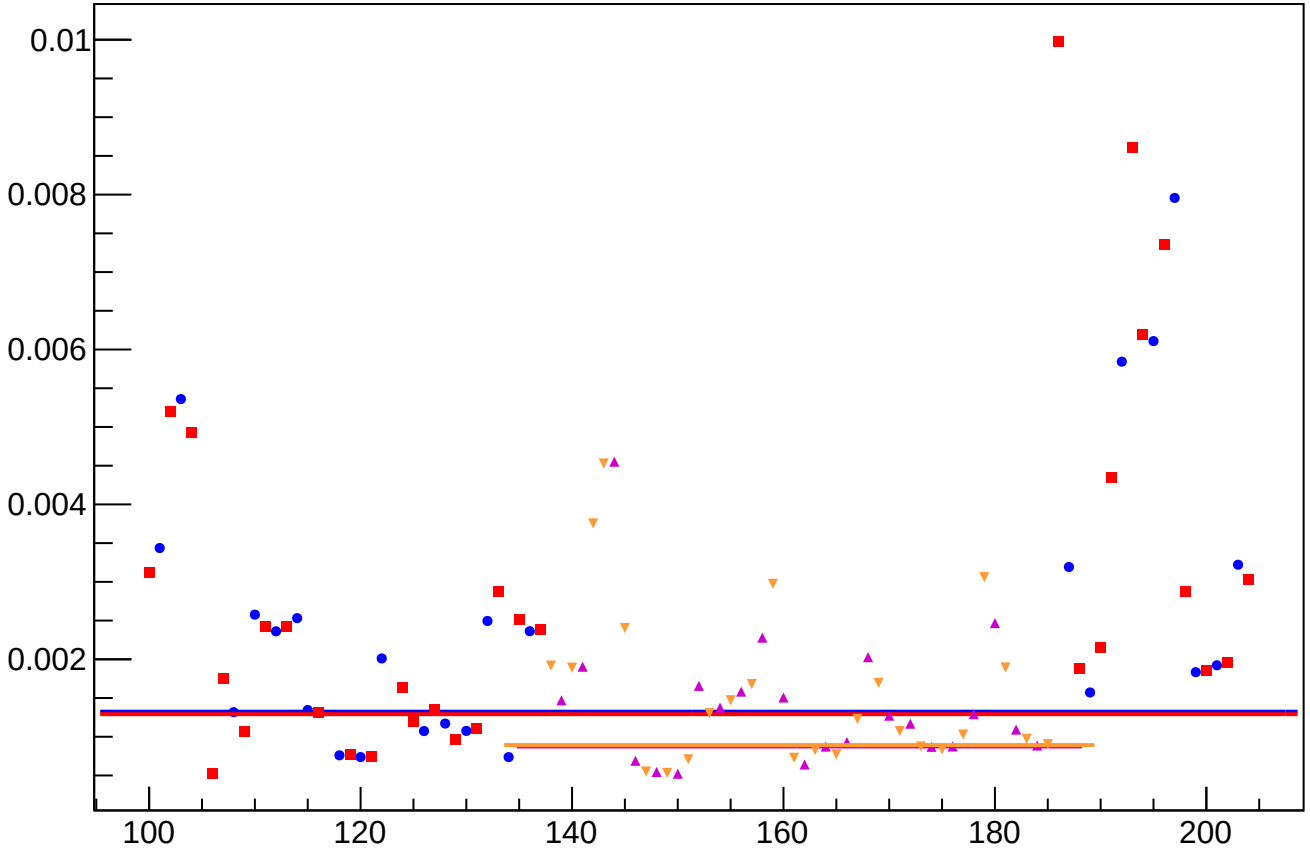
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.3/48

All: -0.000+/-0.000 χ^2/NDF: 148.7/101

- sign 0.000+/-0.000 χ^2/NDF: 61.3/52

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8113698.2/23

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10035865.6/29

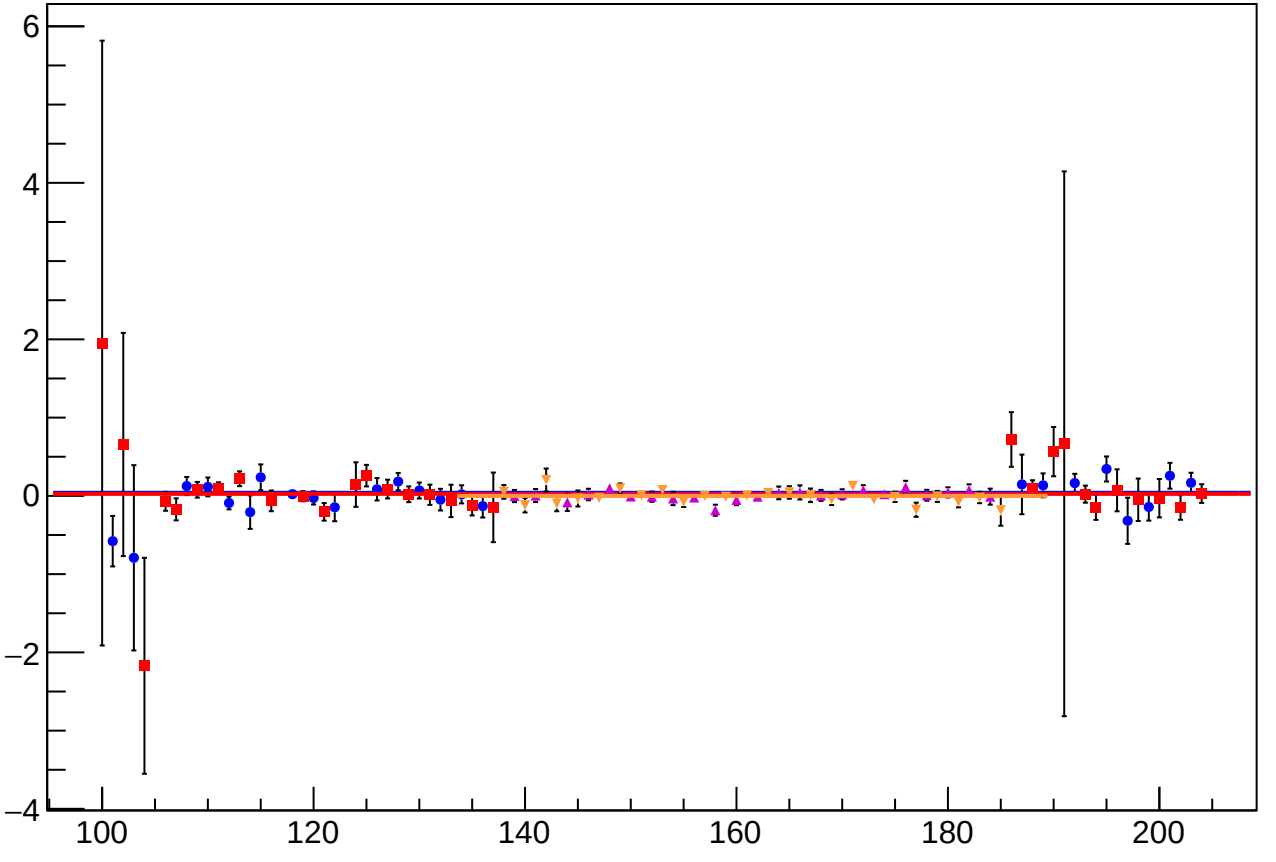
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 17312425.3/48

All: 0.001+/-0.000 χ^2/NDF: 35801474.8/101

- sign 0.001+/-0.000 χ^2/NDF: 18486375.6/52

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.039+/-0.025 χ^2/NDF: 26.2/23

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.026+/-0.025 χ^2/NDF: 30.7/29

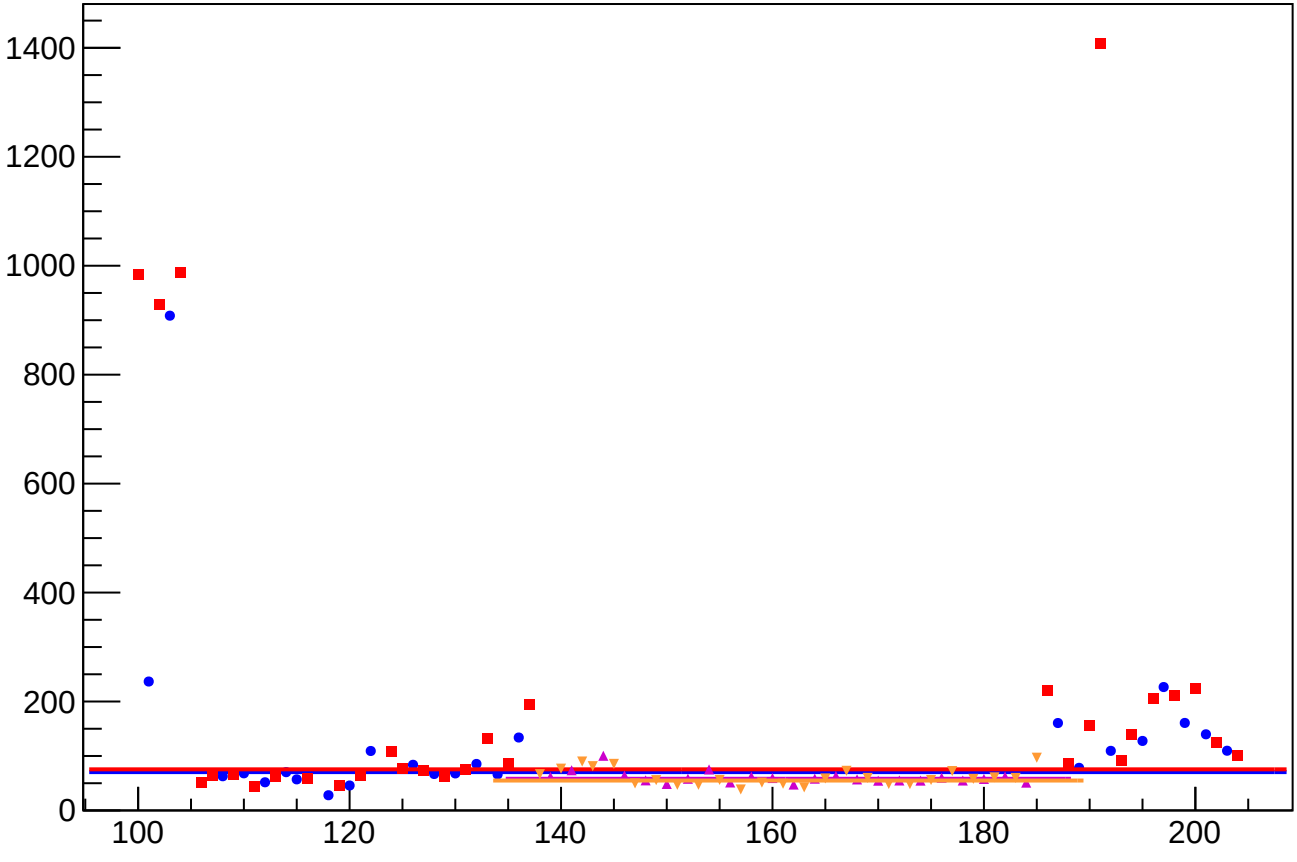
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 50.7/48

All: 0.011+/-0.009 χ^2/NDF: 97.3/101

- sign 0.013+/-0.013 χ^2/NDF: 46.6/52

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 70.410+/-0.018 χ^2/NDF: 5860081.3/23

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 75.485+/-0.017 χ^2/NDF: 6226753.0/29

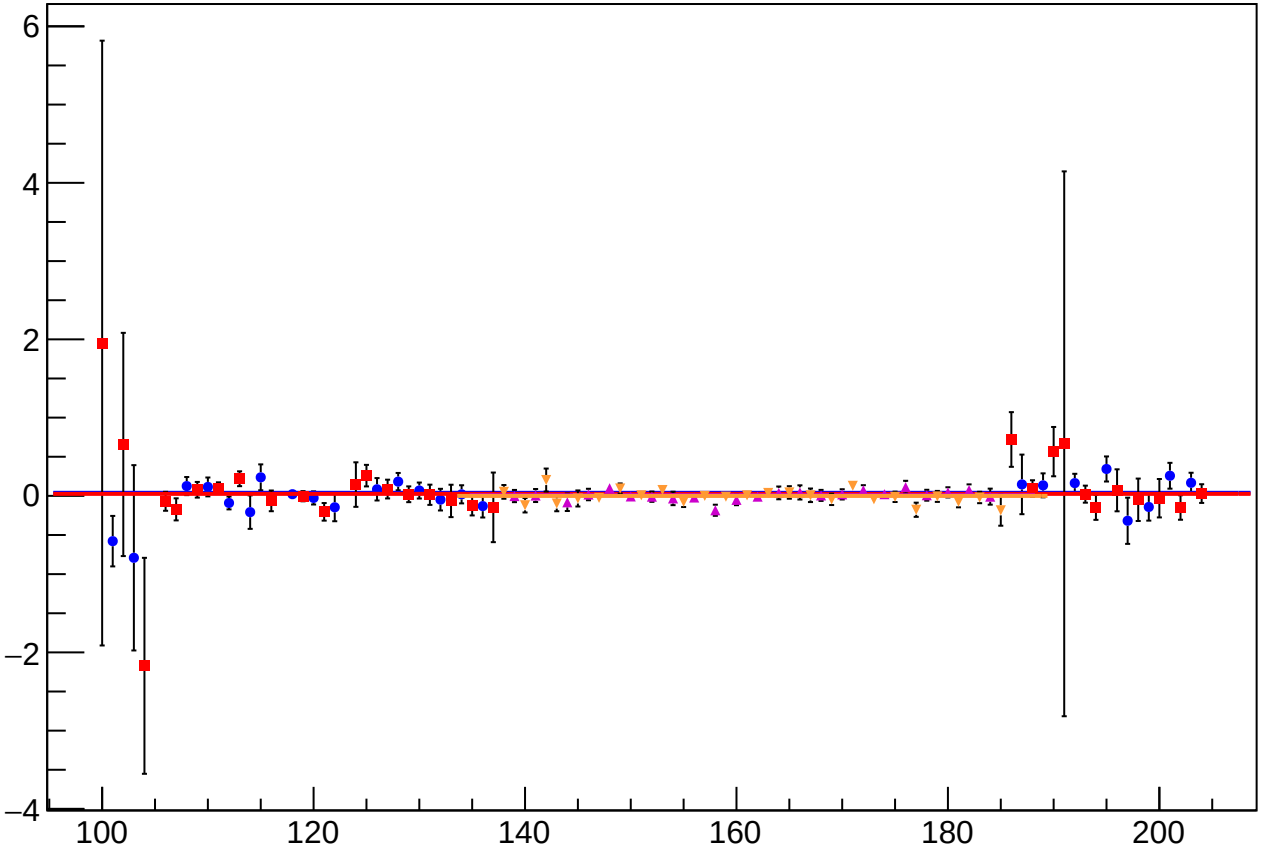
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 58.649+/-0.009 χ^2/NDF: 7737402.2/48

All: 60.644+/-0.006 χ^2/NDF: 15461750.7/101

- sign 62.776+/-0.009 χ^2/NDF: 7615263.6/52

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.039+/-0.025 χ^2/NDF: 26.2/23

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.026+/-0.025 χ^2/NDF: 30.7/29

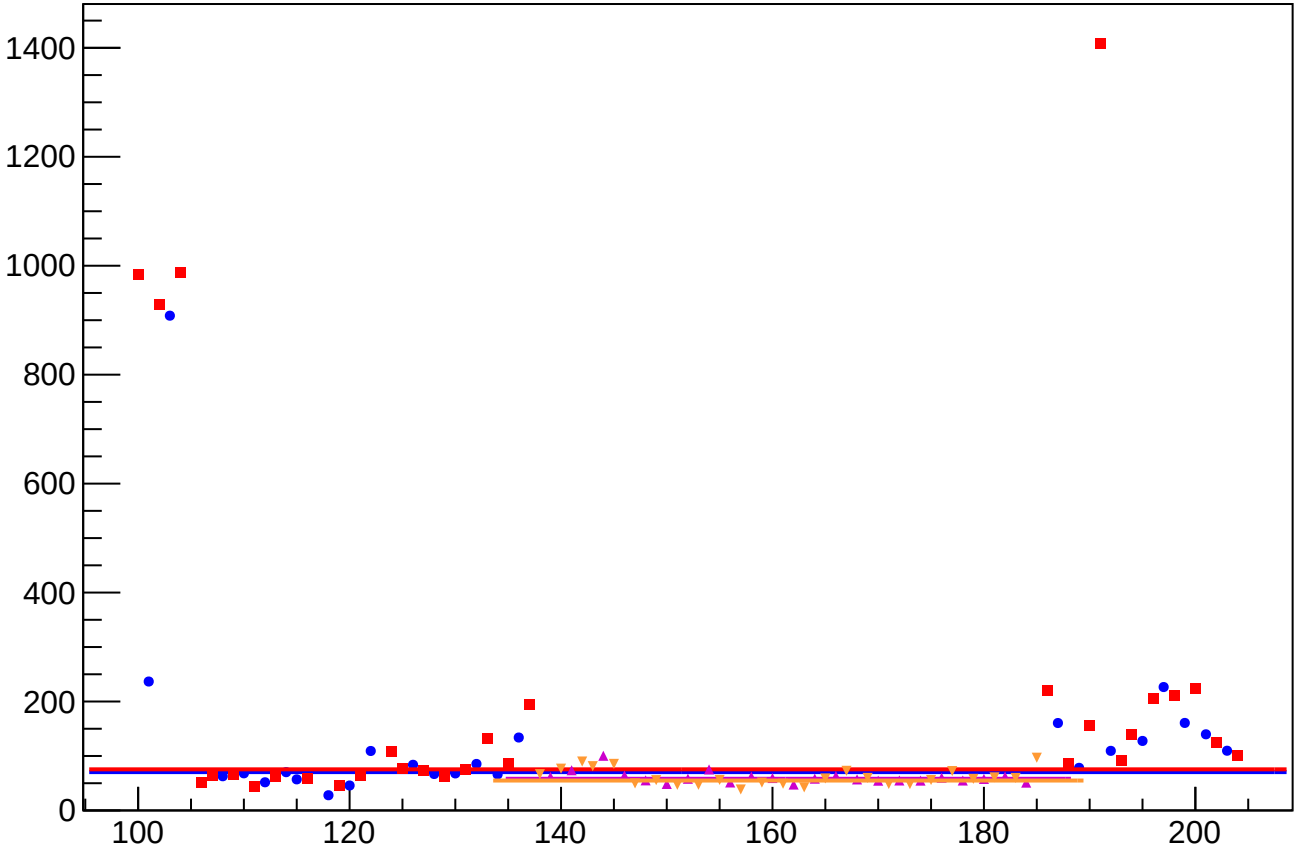
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

\+ sign 0.009+/-0.012 χ^2/NDF: 50.7/48

All: 0.011+/-0.009 χ^2/NDF: 97.3/101

\- sign 0.013+/-0.013 χ^2/NDF: 46.6/52

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.410+/-0.018 χ^2/NDF: 5860081.3/23

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

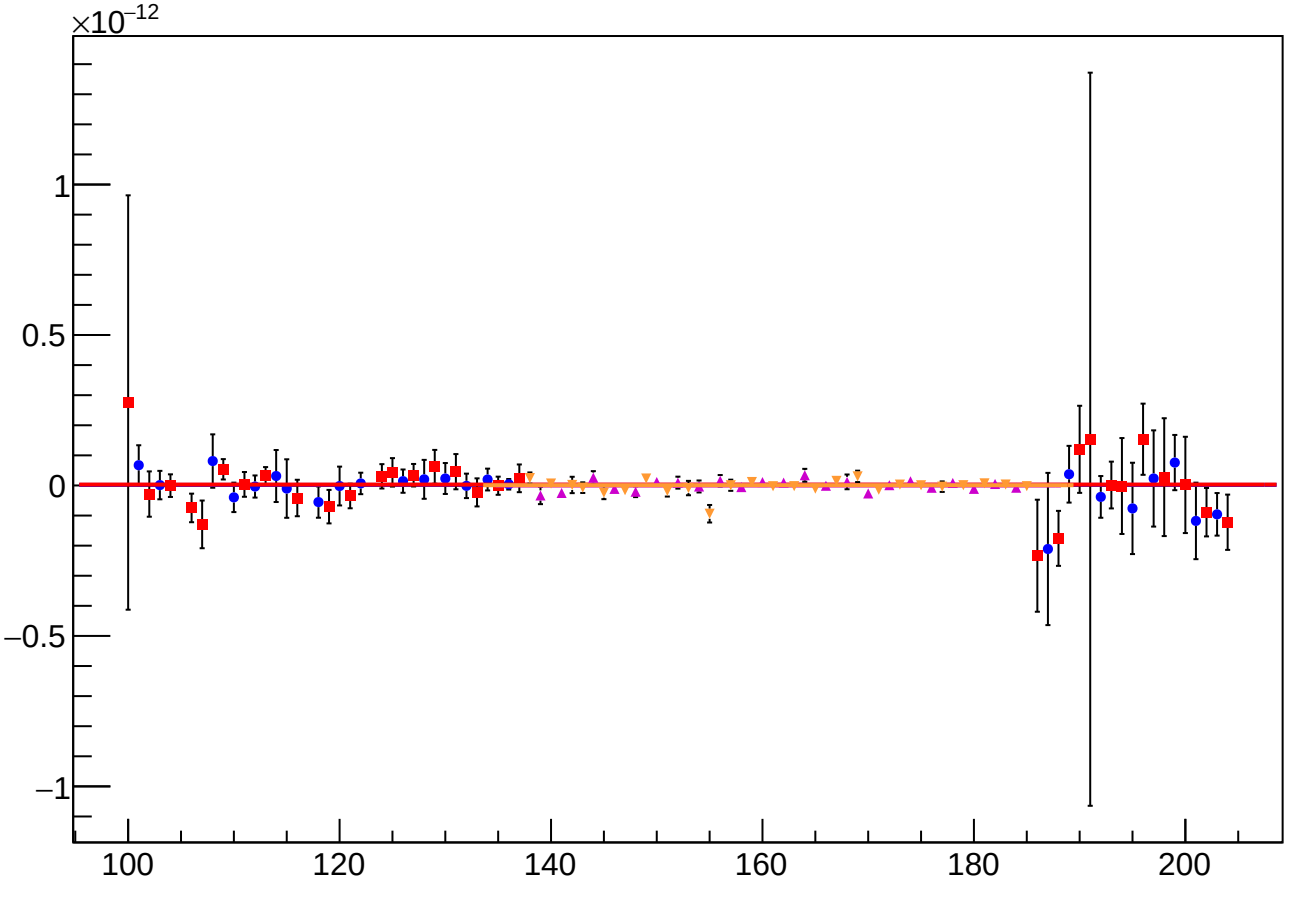
Right Out: 75.485+/-0.017 χ^2/NDF: 6226753.0/29

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 58.649+/-0.009 χ^2/NDF: 7737402.2/48

All: 60.644+/-0.006 χ^2/NDF: 15461750.7/101

- sign 62.776+/-0.009 χ^2/NDF: 7615263.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 9.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

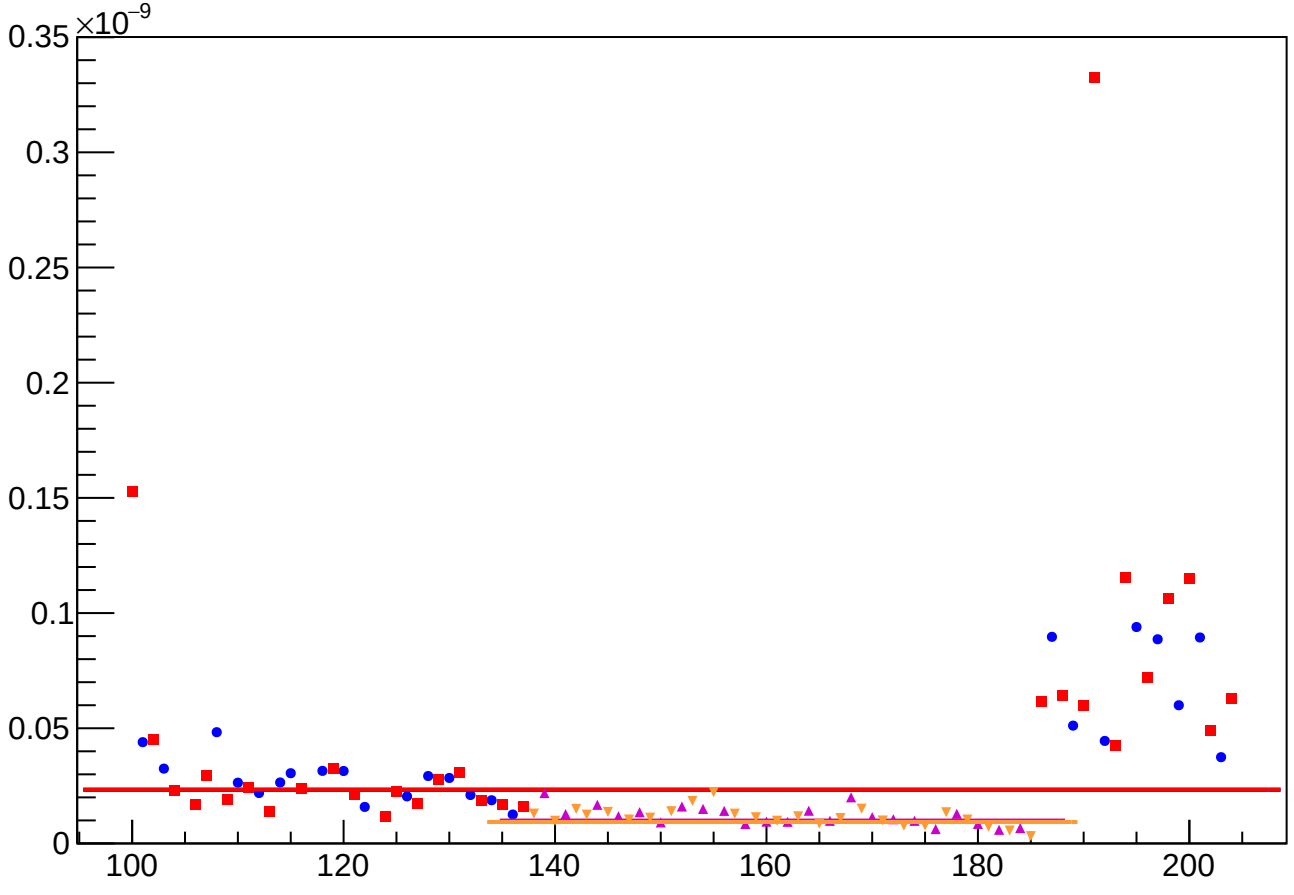
Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/29

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.7/48

All: 0.000+/-0.000 χ^2/NDF: 82.3/101

- sign 0.000+/-0.000 χ^2/NDF: 47.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 3667504.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4474480.5/29

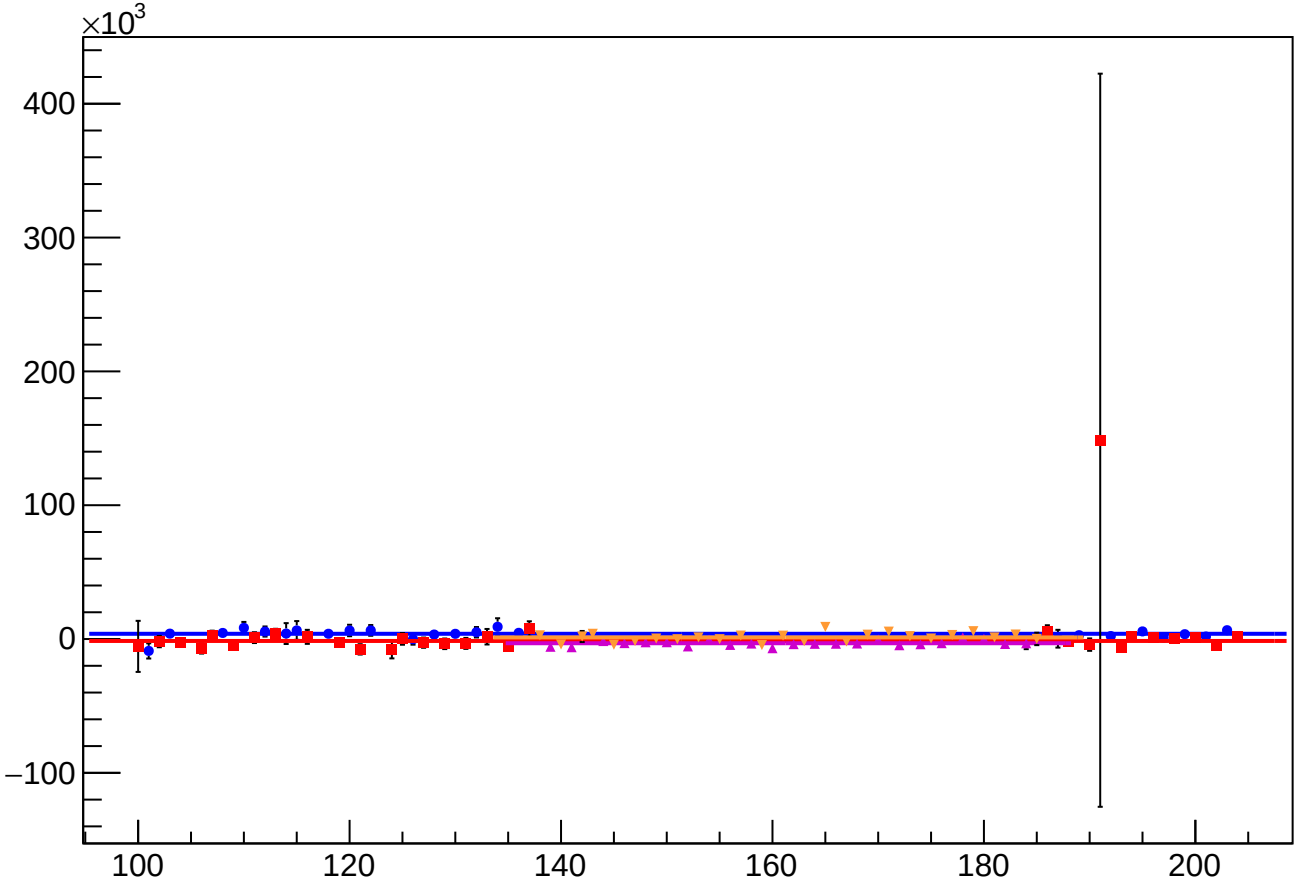
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10453129.1/48

All: 0.000+/-0.000 χ^2/NDF: 21100989.6/101

- sign 0.000+/-0.000 χ^2/NDF: 10575392.3/52

reg_asym_atr2_mean vs Slug



Right In: 3913.925+/-733.139 χ^2/NDF: 12.2/23

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1441.482+/-683.287 χ^2/NDF: 26.7/29

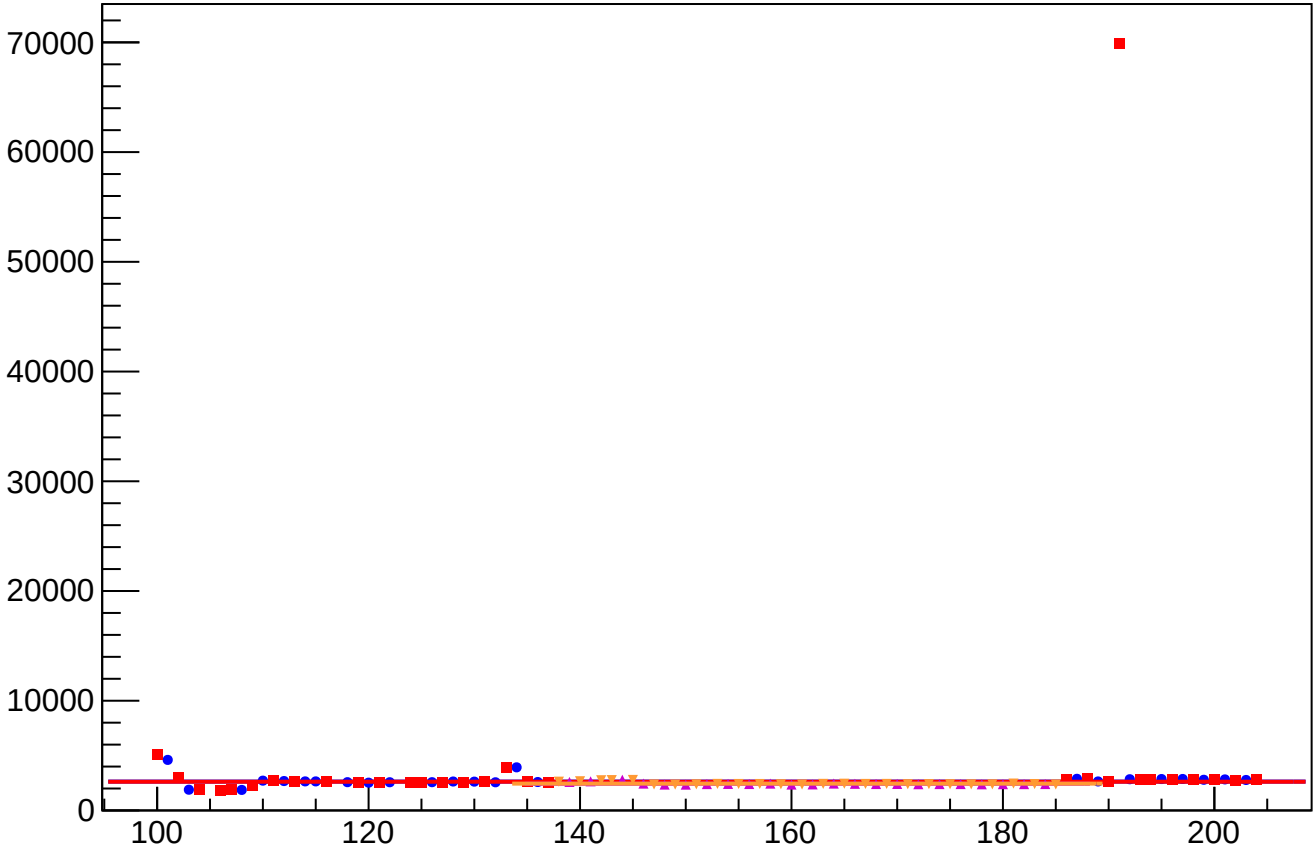
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2184.417+/-443.133 χ^2/NDF: 52.1/48

All: -162.509+/-311.276 χ^2/NDF: 150.5/101

- sign -2448.532+/-437.346 χ^2/NDF: 43.1/52

reg_asym_atr2_rms vs Slug



Right In: 2632.073+/-0.518 χ^2/NDF: 700884.4/23

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2618.448+/-0.483 χ^2/NDF: 734590.7/29

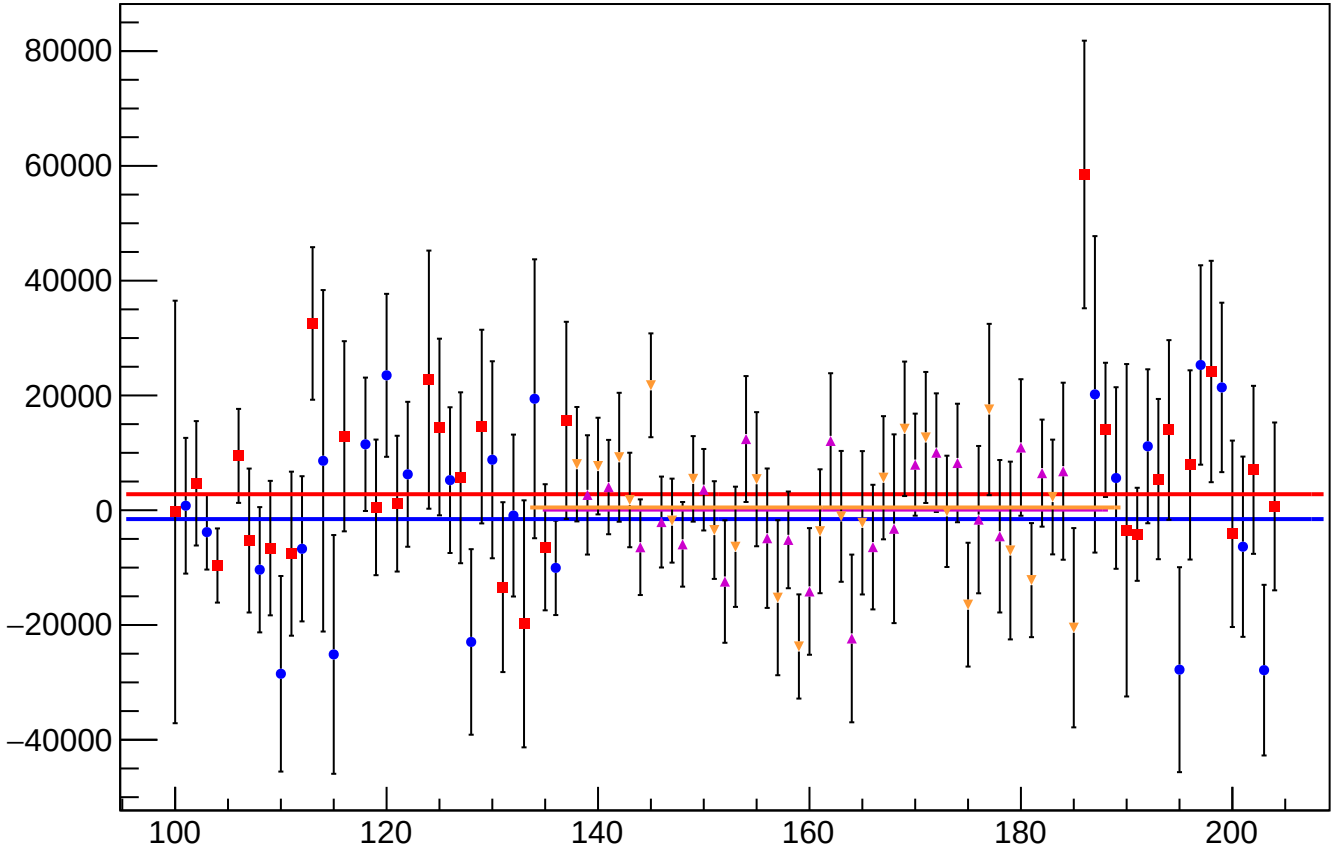
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2513.869+/-0.313 χ^2/NDF: 872817.1/48

All: 2512.272+/-0.220 χ^2/NDF: 1750871.5/10

- sign 2510.716+/-0.309 χ^2/NDF: 878003.1/52

asym_atr2_reg_correction_mean vs Slug



Right In: -1544.547+/-2709.627 χ^2/NDF: 25.8/23

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 2790.089+/-2375.880 χ^2/NDF: 26.5/29

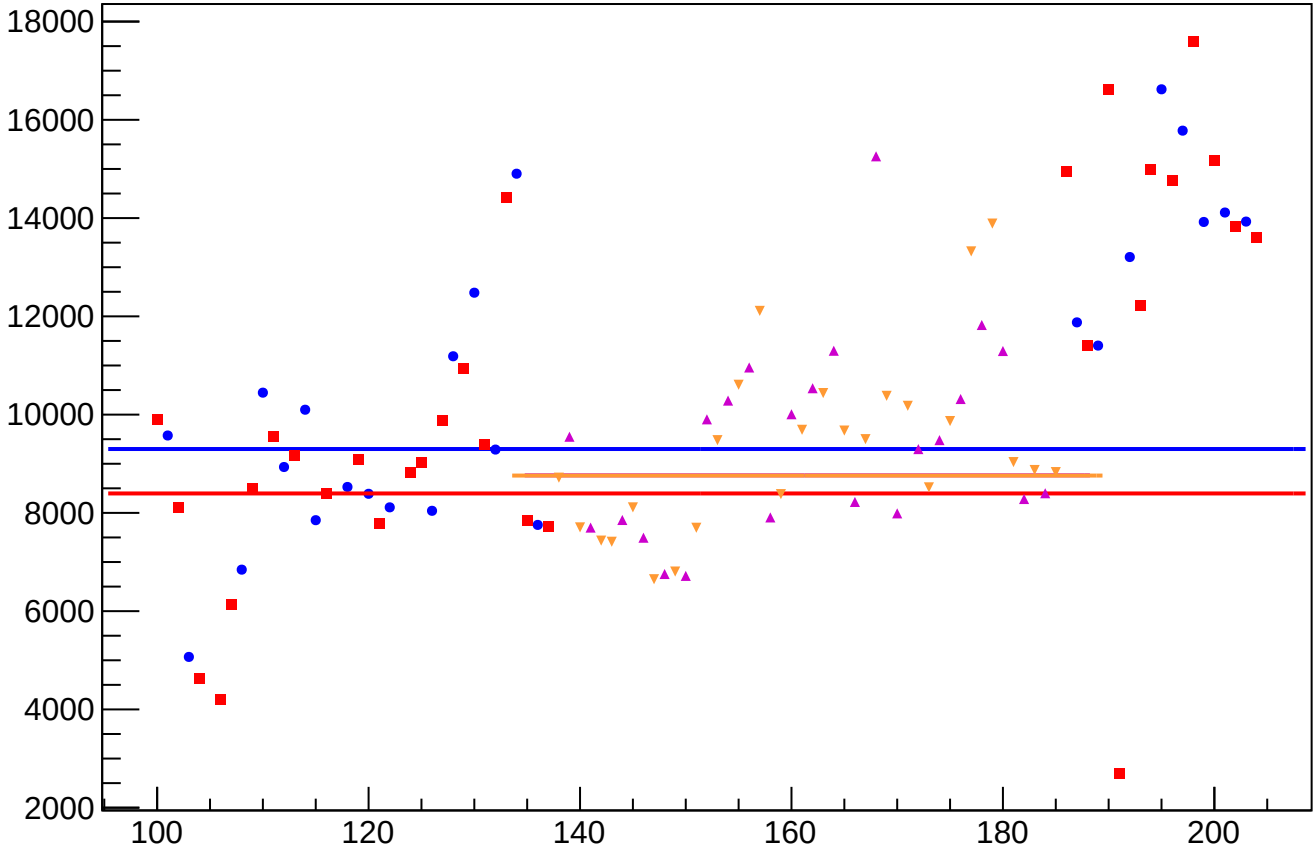
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign -252.355+/-1627.694 χ^2/NDF: 53.5/48

All: 540.039+/-1129.864 χ^2/NDF: 95.6/101

- sign 1276.904+/-1569.625 χ^2/NDF: 41.7/52

asym_atr2_reg_correction_rms vs Slug



Right In: 9300.020+/-1.916 χ^2/NDF: 2706475.9/23

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 8395.639+/-1.680 χ^2/NDF: 5124386.1/29

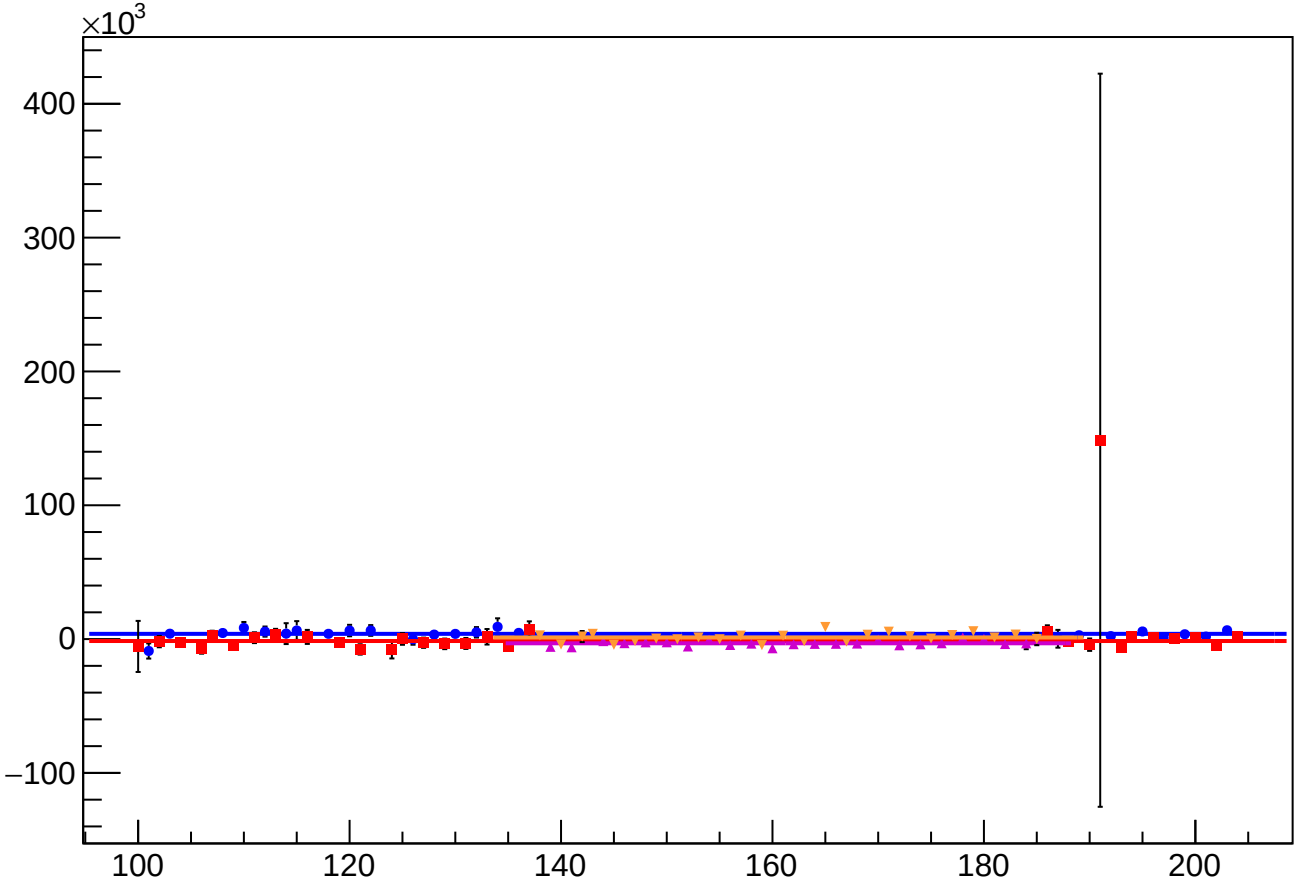
Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 8954.633+/-1.151 χ^2/NDF: 3979555.8/48

All: 8772.589+/-0.799 χ^2/NDF: 10471034.7/1

- sign 8603.303+/-1.110 χ^2/NDF: 6443198.1/52

cor_asym_atr2_mean vs Slug



Right In: 3913.750+/-733.139 χ^2/NDF: 12.2/23

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1441.826+/-683.290 χ^2/NDF: 26.7/29

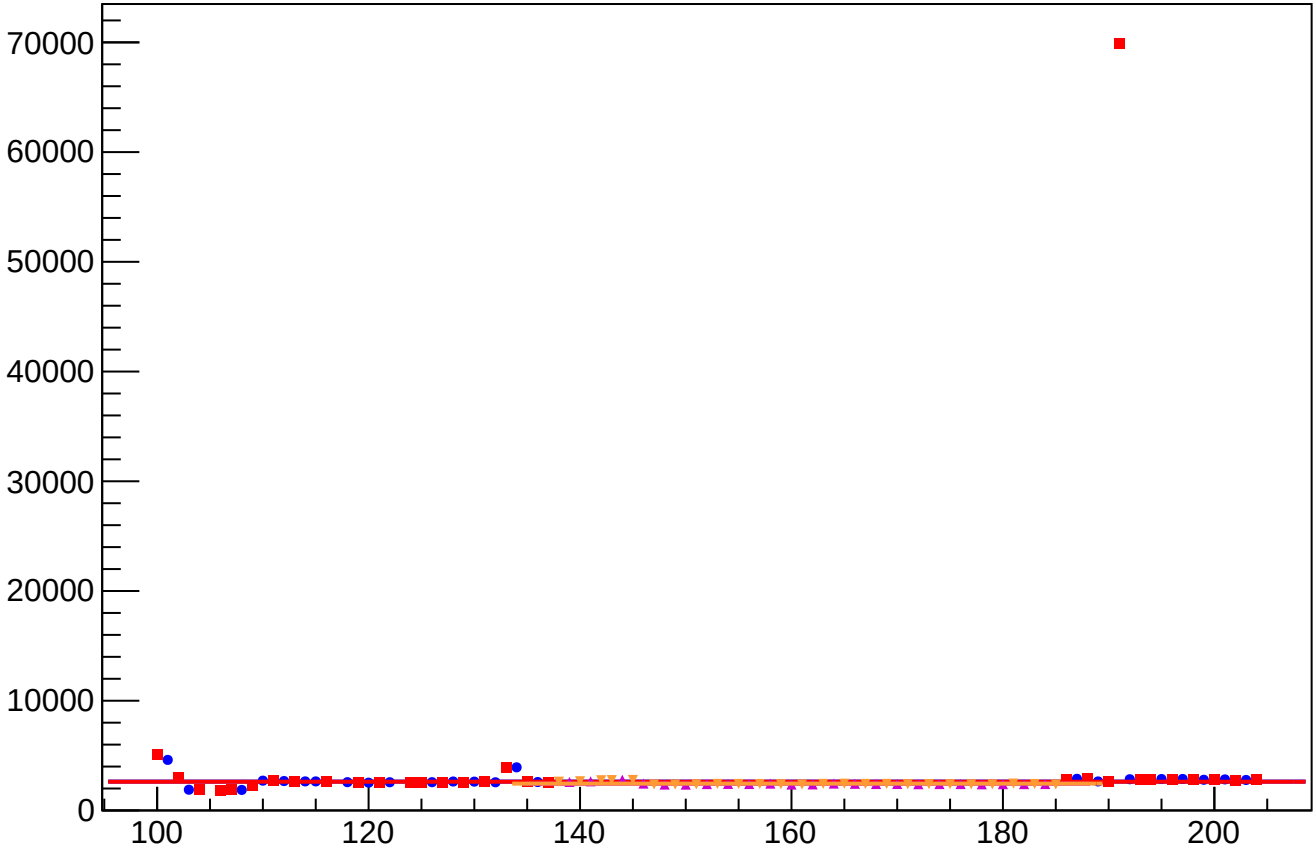
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2184.245+/-443.133 χ^2/NDF: 52.1/48

All: -162.604+/-311.277 χ^2/NDF: 150.5/101

- sign -2448.560+/-437.347 χ^2/NDF: 43.1/52

cor_asym_atr2_rms vs Slug



Right In: 2632.073+/-0.518 χ^2/NDF: 700881.6/23

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2618.463+/-0.483 χ^2/NDF: 734515.9/29

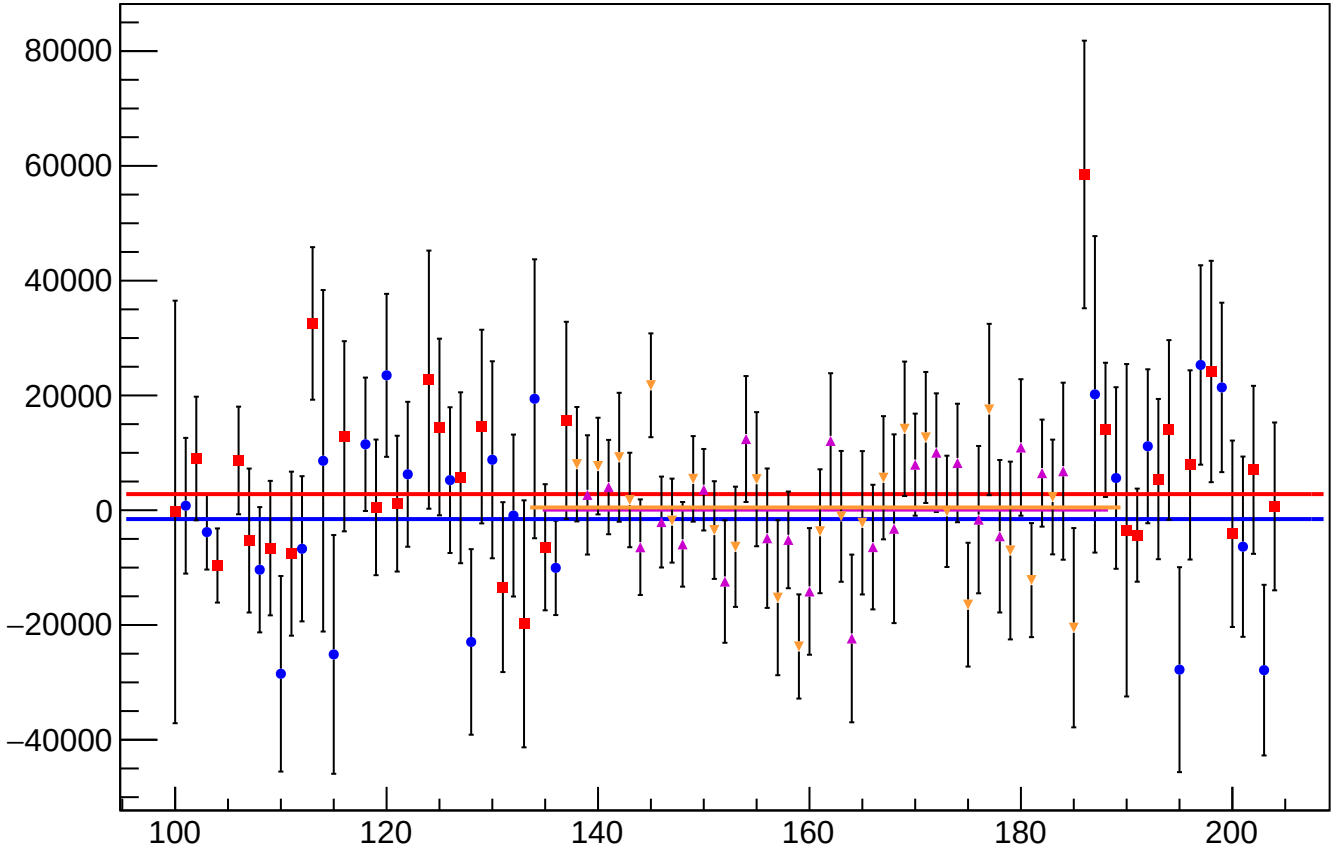
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2513.869+/-0.313 χ^2/NDF: 872814.8/48

All: 2512.275+/-0.220 χ^2/NDF: 1750807.5/10

- sign 2510.722+/-0.309 χ^2/NDF: 877941.6/52

asym_atr2_cor_correction_mean vs Slug



Right In: -1544.238+/-2709.687 χ^2/NDF: 25.8/23

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2805.107+/-2399.385 χ^2/NDF: 26.5/29

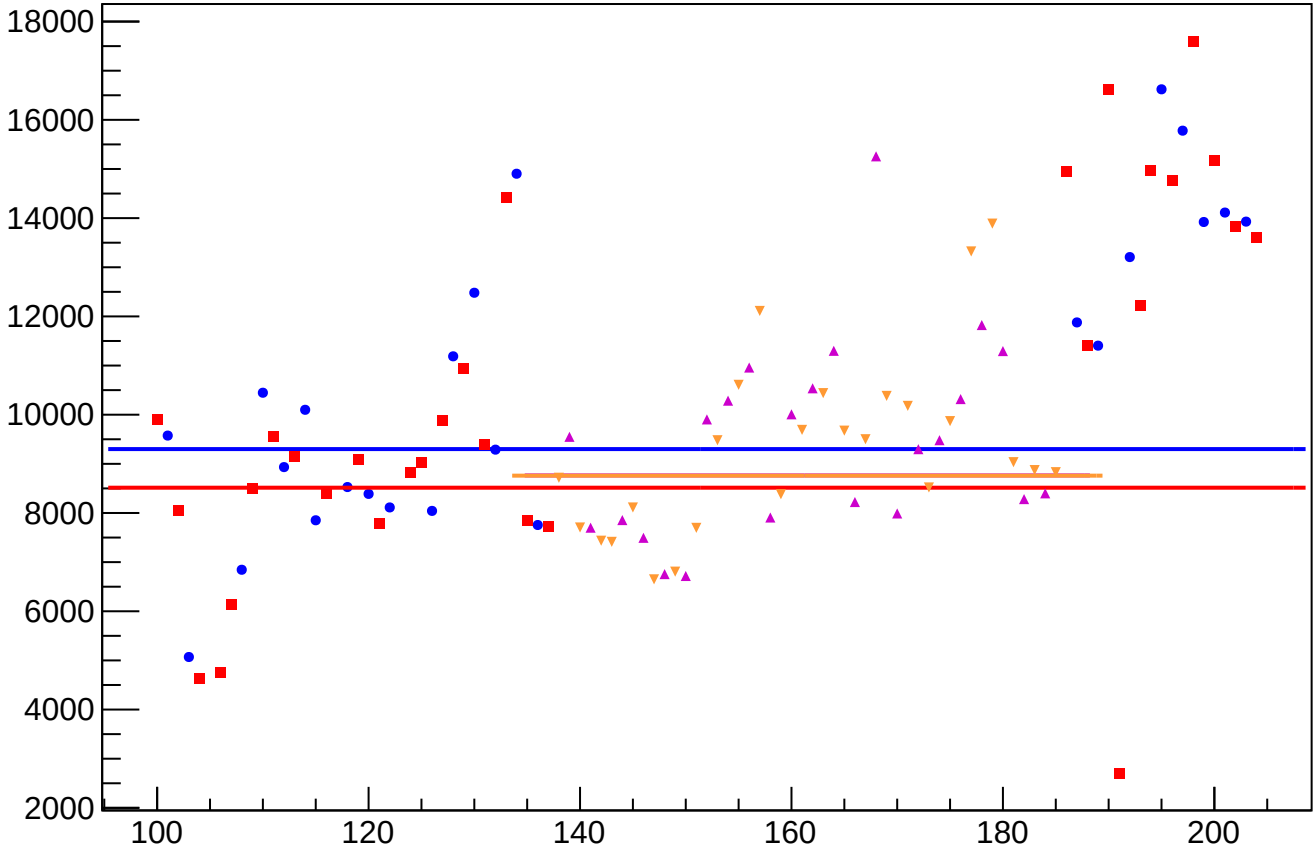
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -252.215+/-1627.706 χ^2/NDF: 53.5/48

All: 533.513+/-1132.367 χ^2/NDF: 95.7/101

- sign 1270.439+/-1576.346 χ^2/NDF: 41.7/52

asym_atr2_cor_correction_rms vs Slug



Right In: 9300.331+/-1.916 χ^2/NDF: 2705975.6/23

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8514.598+/-1.697 χ^2/NDF: 4893985.1/29

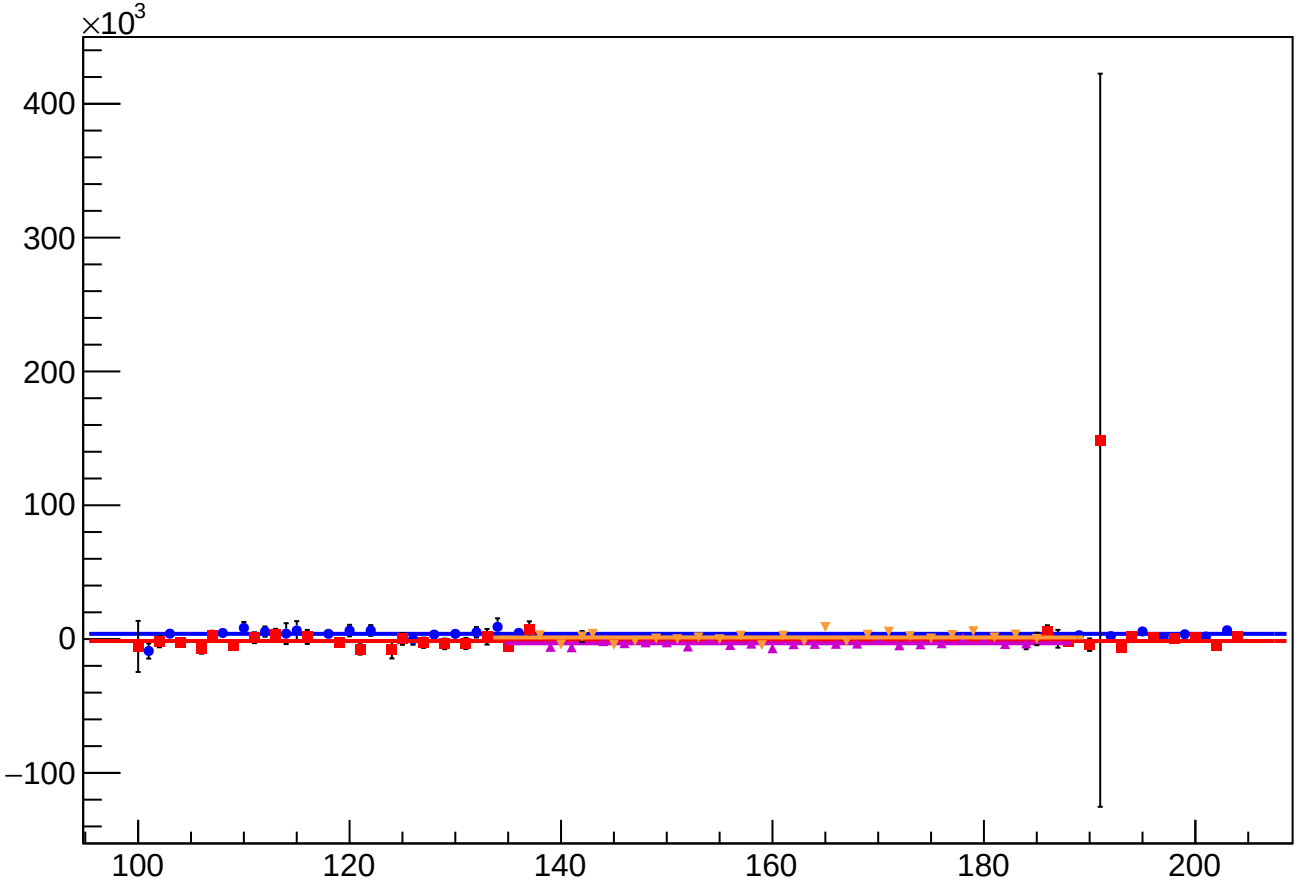
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8954.733+/-1.151 χ^2/NDF: 3979125.1/48

All: 8800.800+/-0.801 χ^2/NDF: 10211769.0/1

- sign 8656.428+/-1.115 χ^2/NDF: 6197980.5/52

eigen_cor_asym_atr2_mean vs Slug



Right In: 3913.750+/-733.139 χ^2/NDF: 12.2/23

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1441.826+/-683.290 χ^2/NDF: 26.7/29

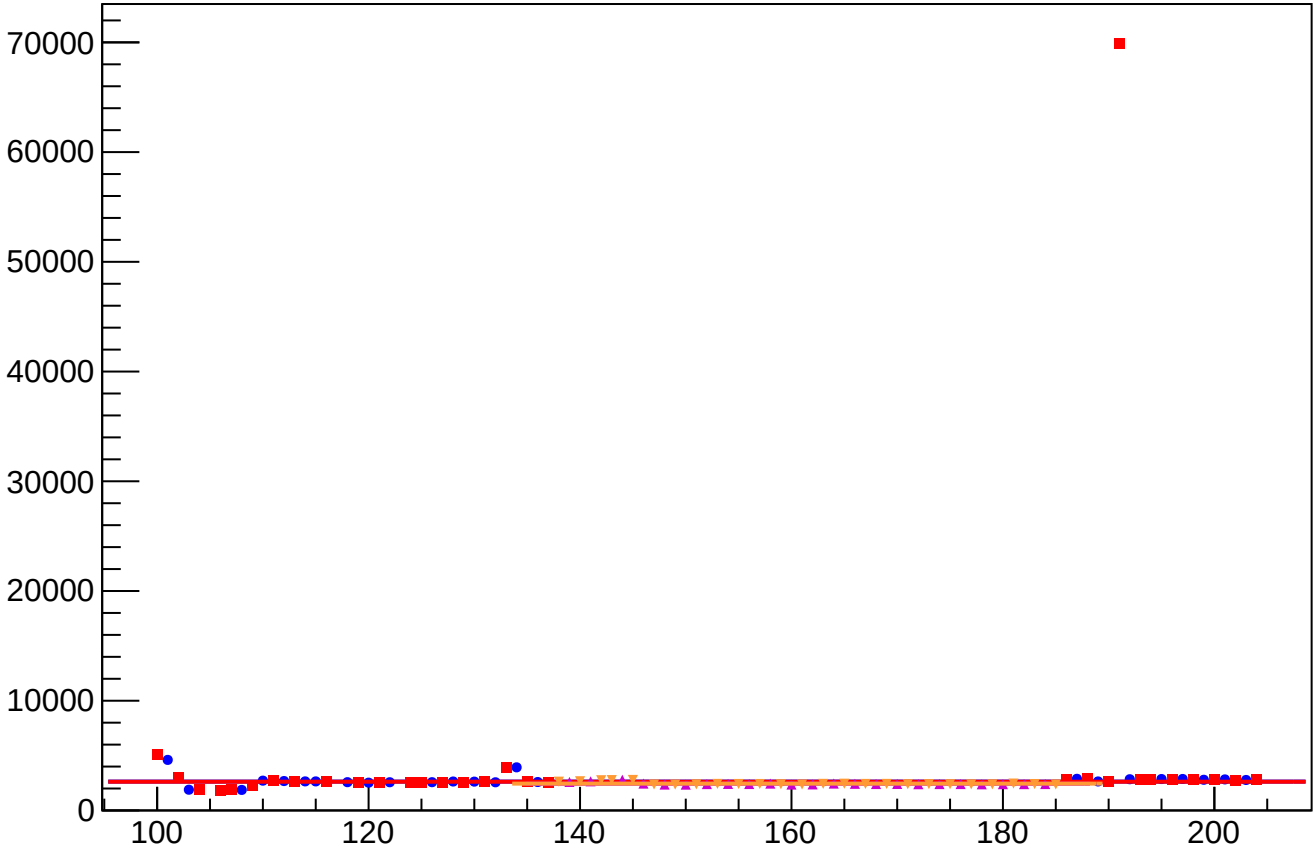
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2184.245+/-443.133 χ^2/NDF: 52.1/48

All: -162.604+/-311.277 χ^2/NDF: 150.5/101

- sign -2448.560+/-437.347 χ^2/NDF: 43.1/52

eigen_cor_asym_atr2_rms vs Slug



Right In: 2632.073+/-0.518 χ^2/NDF: 700881.6/23

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2618.463+/-0.483 χ^2/NDF: 734515.9/29

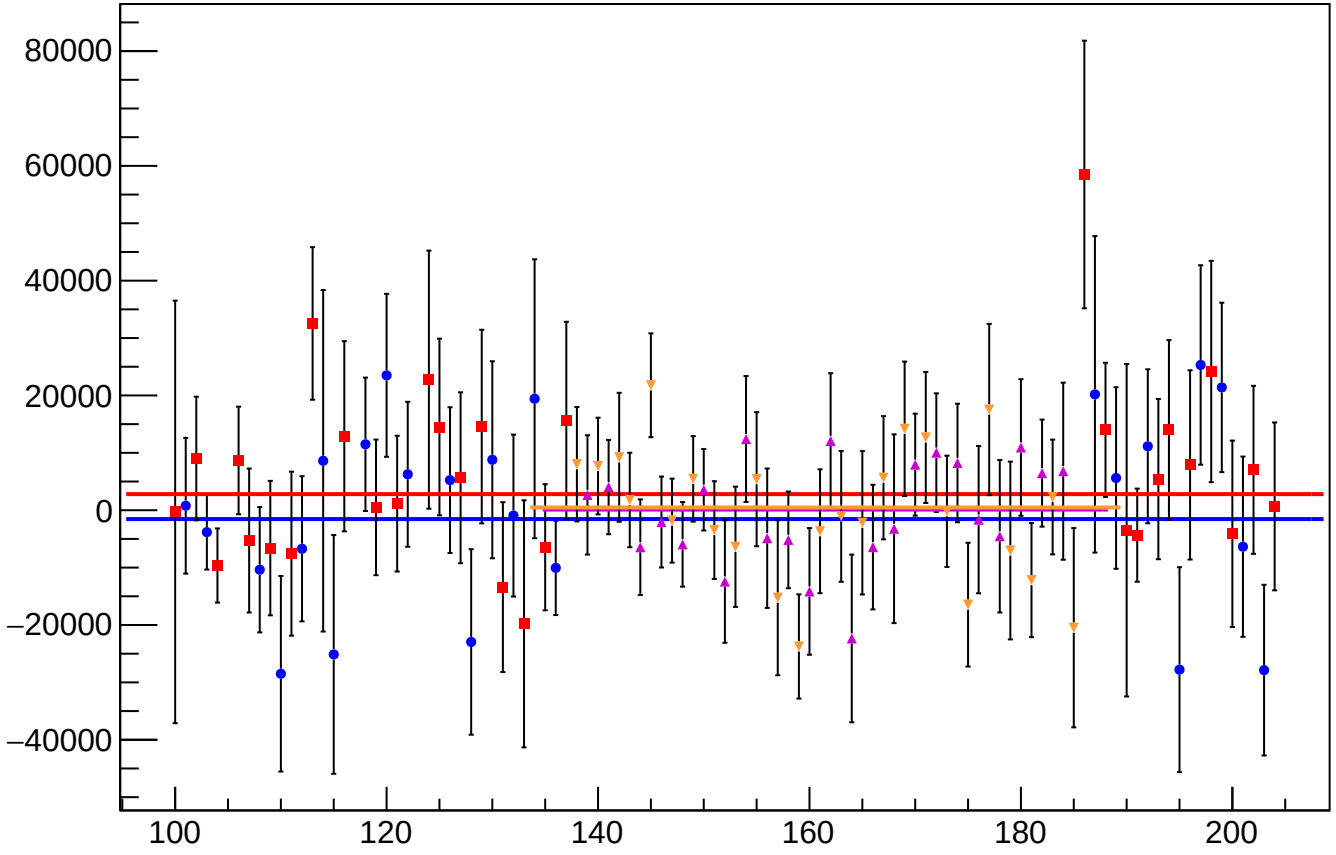
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2513.869+/-0.313 χ^2/NDF: 872814.8/48

All: 2512.275+/-0.220 χ^2/NDF: 1750807.5/10

- sign 2510.722+/-0.309 χ^2/NDF: 877941.6/52

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -1544.238+/-2709.687 χ^2/NDF: 25.8/23

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2805.107+/-2399.385 χ^2/NDF: 26.5/29

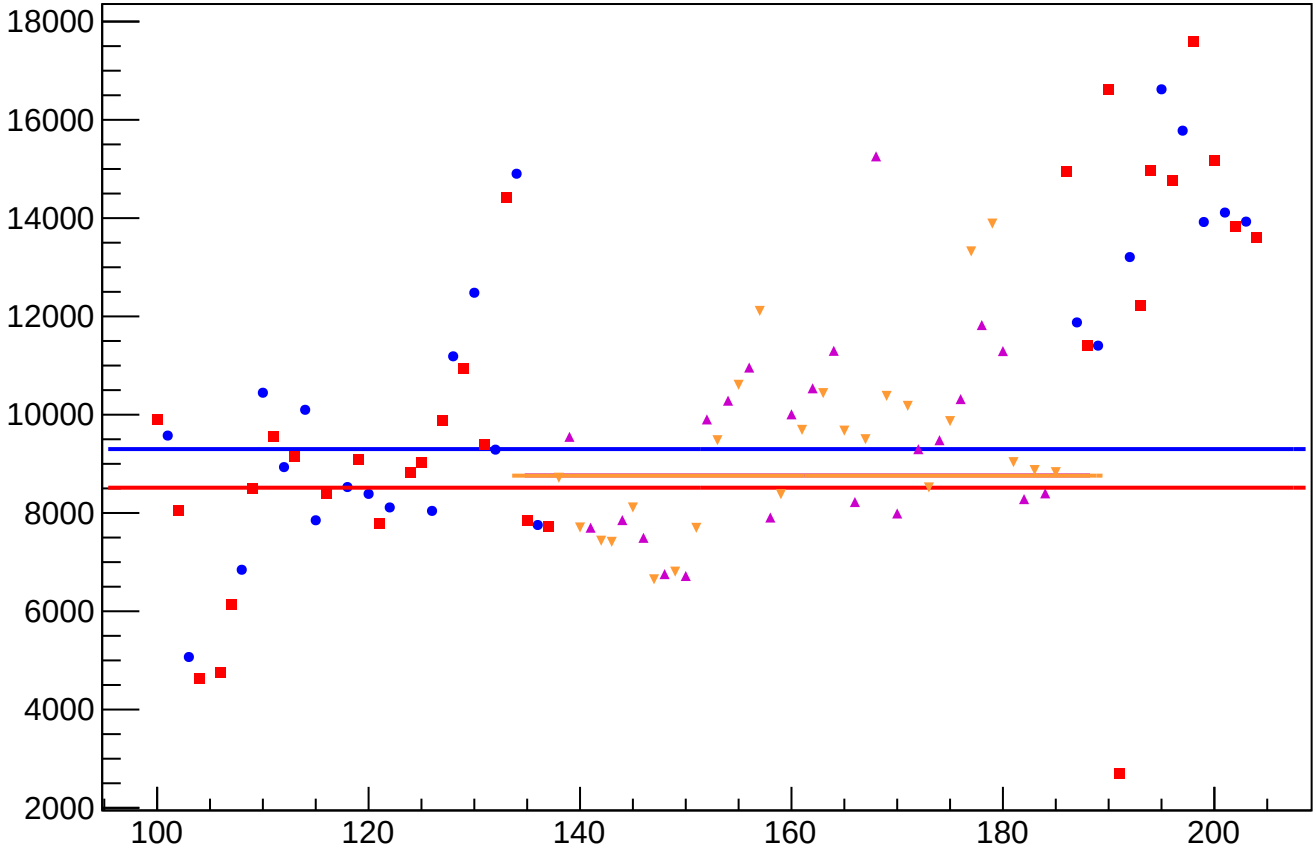
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -252.215+/-1627.706 χ^2/NDF: 53.5/48

All: 533.513+/-1132.367 χ^2/NDF: 95.7/101

- sign 1270.439+/-1576.346 χ^2/NDF: 41.7/52

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 9300.331+/-1.916 χ^2/NDF: 2705975.6/23

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8514.598+/-1.697 χ^2/NDF: 4893985.1/29

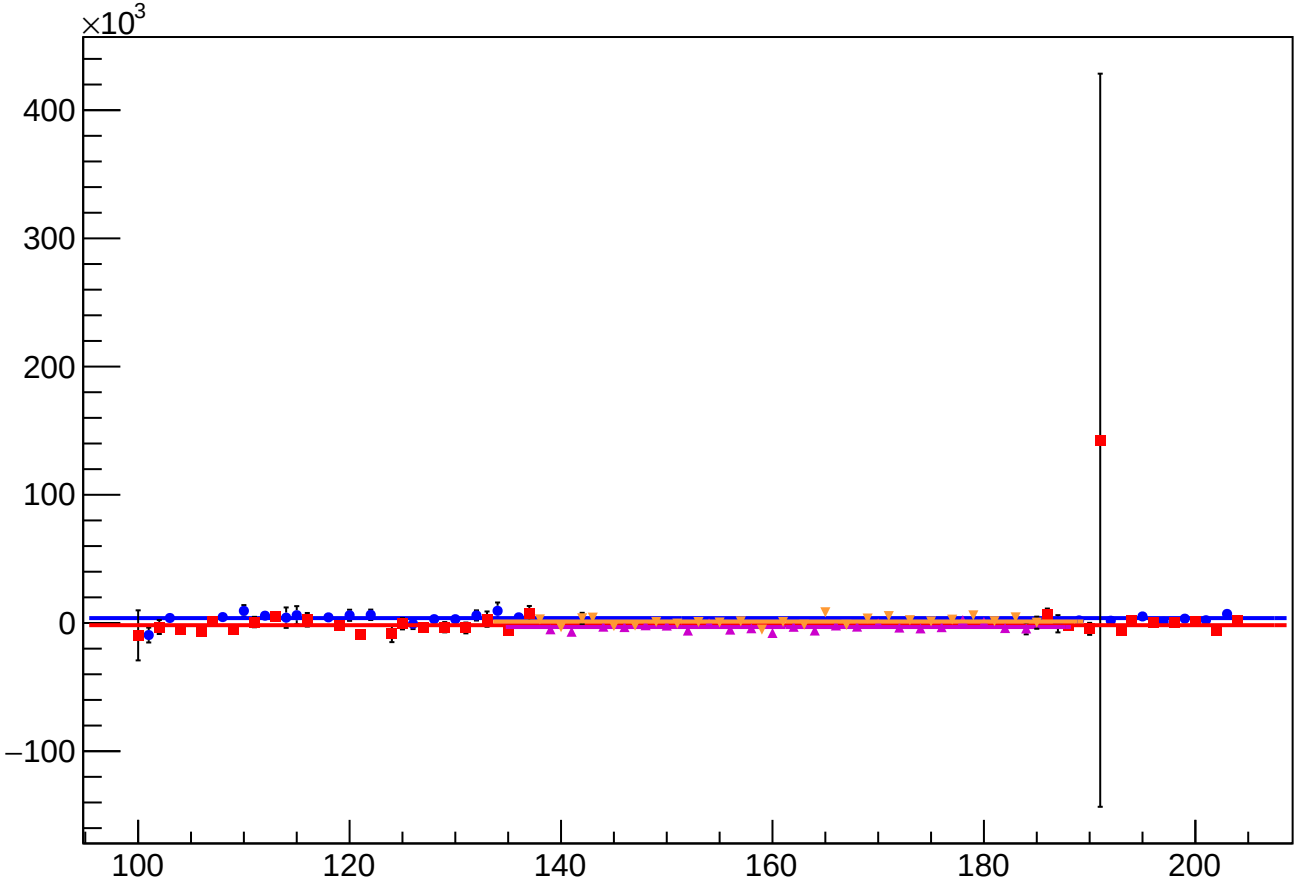
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8954.733+/-1.151 χ^2/NDF: 3979125.1/48

All: 8800.800+/-0.801 χ^2/NDF: 10211769.0/1

- sign 8656.428+/-1.115 χ^2/NDF: 6197980.5/52

dit_asym_atr2_mean vs Slug



Right In: 3817.696+/-757.866 χ^2/NDF: 13.8/23

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1706.449+/-707.584 χ^2/NDF: 31.1/29

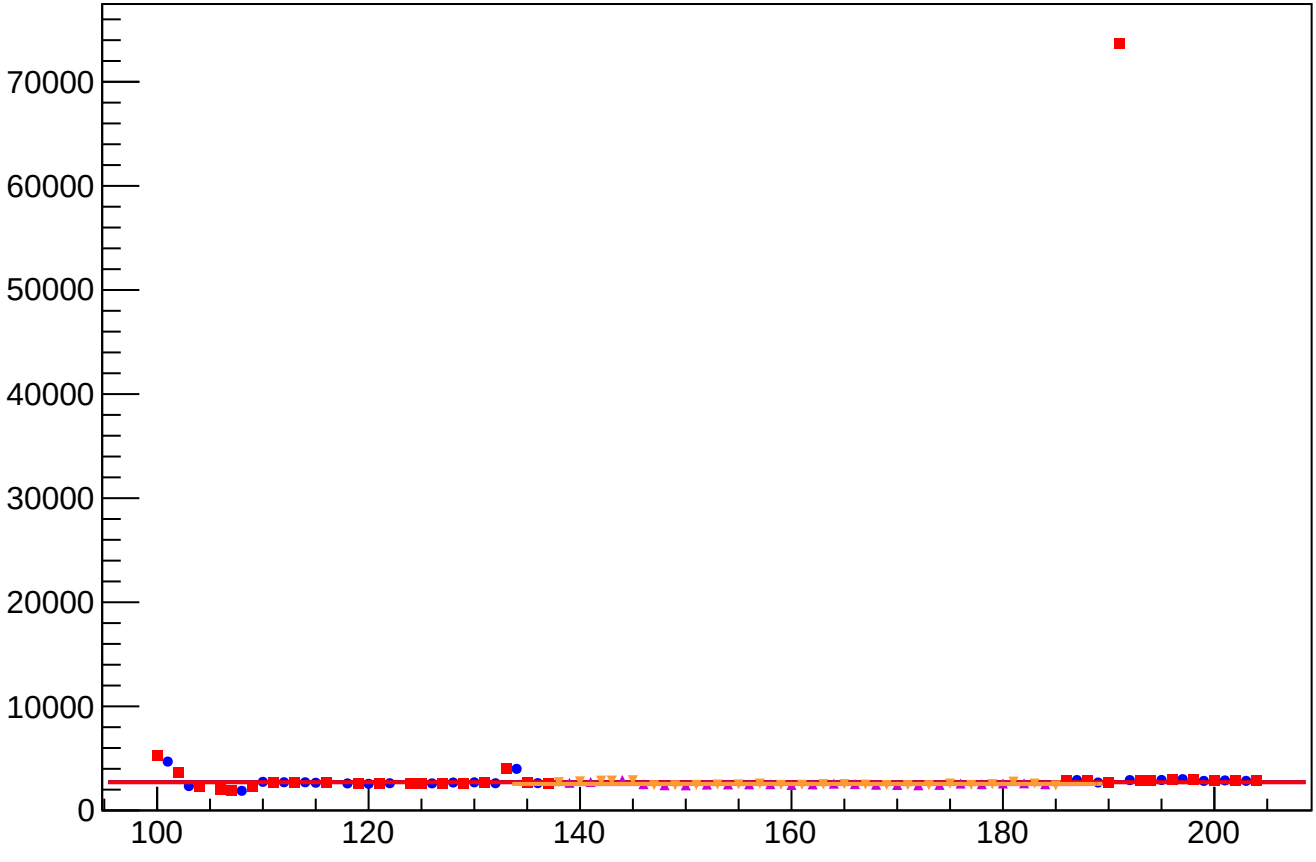
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2174.984+/-460.440 χ^2/NDF: 48.0/48

All: -223.124+/-323.315 χ^2/NDF: 151.6/101

- sign -2555.624+/-454.098 χ^2/NDF: 50.0/52

dit_asym_atr2_rms vs Slug



Right In: 2728.096+/-0.536 χ^2/NDF: 552640.3/23

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2711.075+/-0.500 χ^2/NDF: 637394.1/29

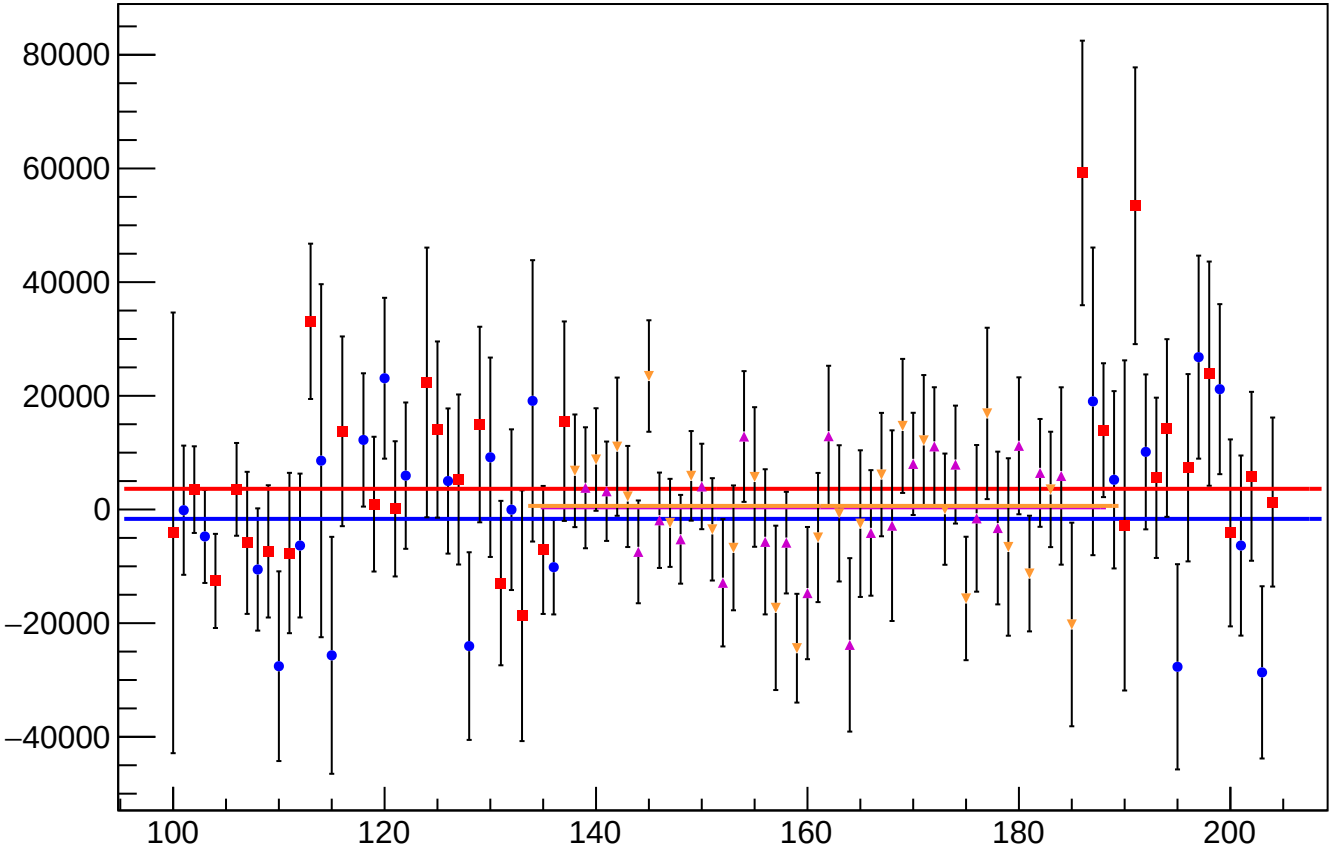
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2613.943+/-0.326 χ^2/NDF: 741863.0/48

All: 2610.034+/-0.229 χ^2/NDF: 1522702.7/10

- sign 2606.234+/-0.321 χ^2/NDF: 780555.5/52

asym_atr2_dit_correction_mean vs Slug



Right In: -1651.928+/-2807.987 χ^2/NDF: 25.6/23

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 3637.632+/-2490.588 χ^2/NDF: 28.9/29

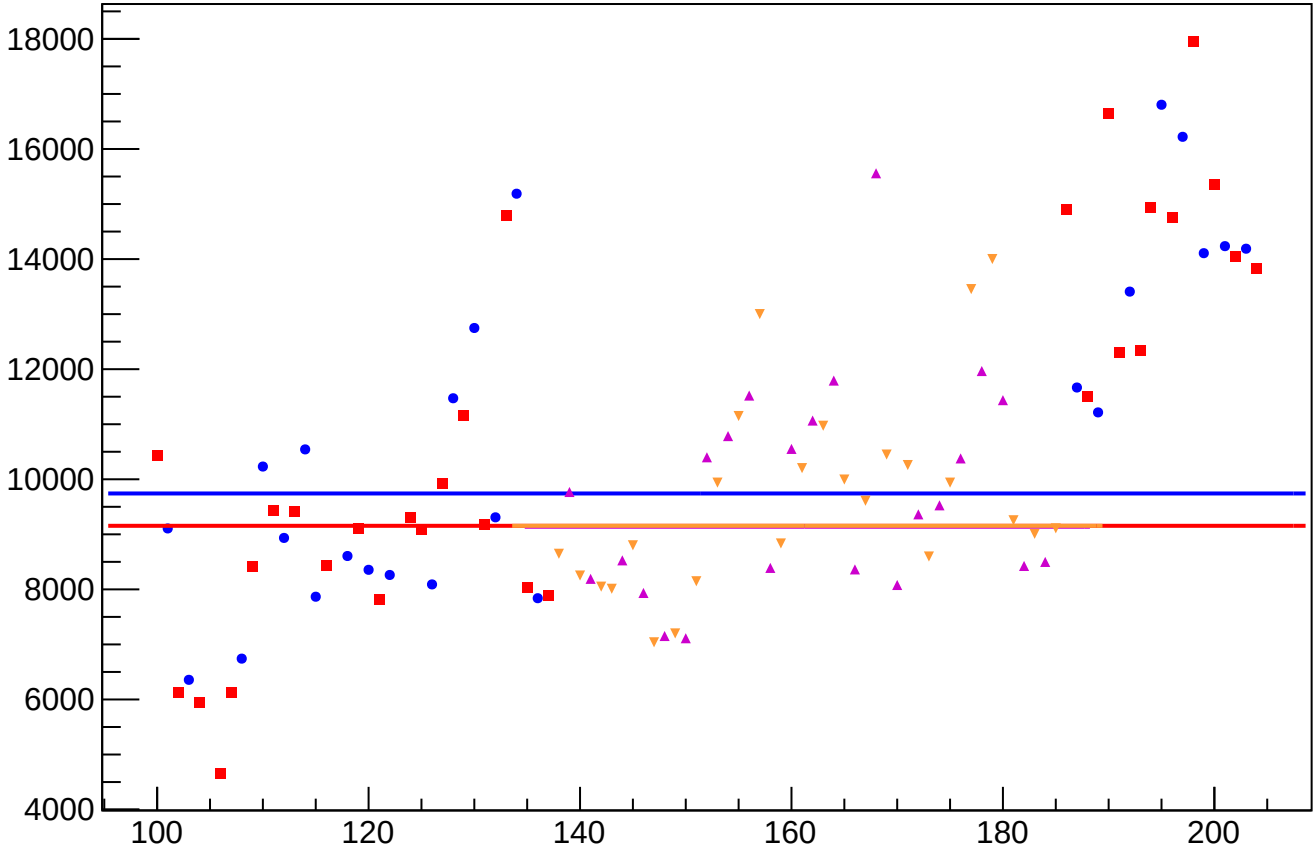
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign -199.157+/-1693.515 χ^2/NDF: 52.7/48

All: 827.691+/-1177.682 χ^2/NDF: 97.6/101

- sign 1789.280+/-1638.819 χ^2/NDF: 44.2/52

asym_atr2_dit_correction_rms vs Slug



Right In: 9742.289+/-1.986 χ^2/NDF: 2158983.4/23

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9154.785+/-1.761 χ^2/NDF: 3648082.5/29

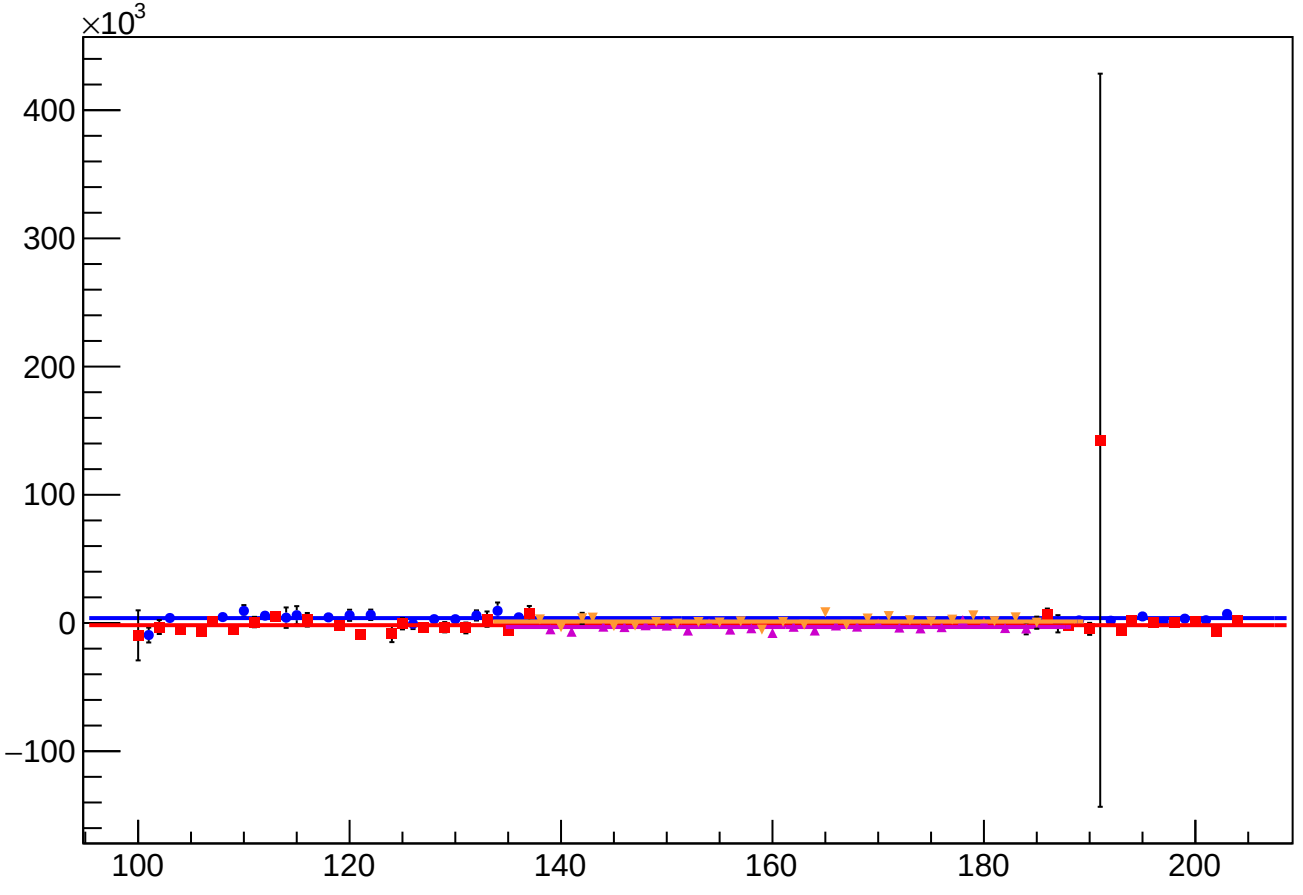
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

\+ sign 9368.420+/-1.197 χ^2/NDF: 3286781.2/48

All: 9253.058+/-0.833 χ^2/NDF: 8125681.6/10

\- sign 9145.027+/-1.159 χ^2/NDF: 4820928.9/52

eigen_dit_asym_atr2_mean vs Slug



Right In: 3817.695+/-757.866 χ^2/NDF: 13.8/23

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1706.452+/-707.584 χ^2/NDF: 31.1/29

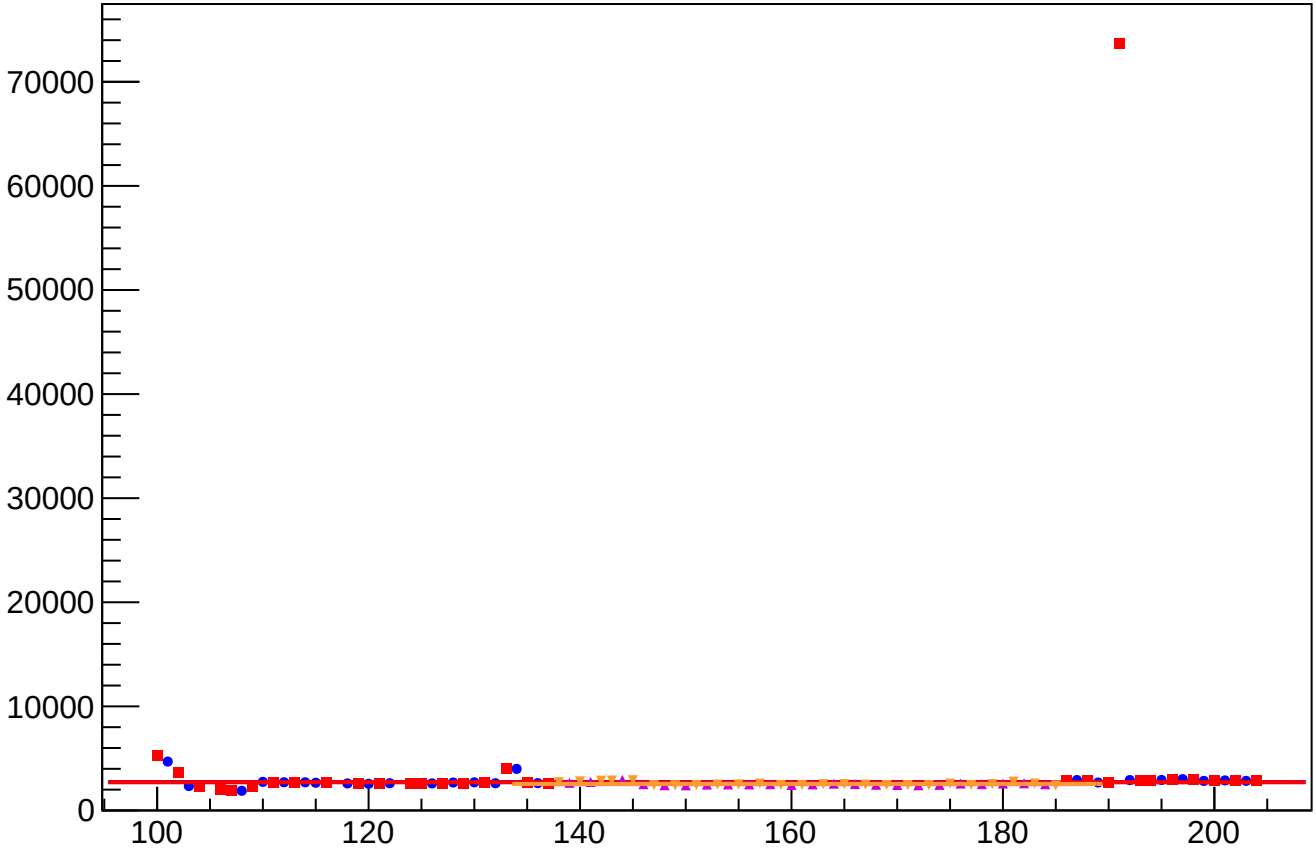
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2174.978+/-460.440 χ^2/NDF: 48.0/48

All: -223.127+/-323.315 χ^2/NDF: 151.6/101

- sign -2555.624+/-454.098 χ^2/NDF: 50.0/52

eigen_dit_asym_atr2_rms vs Slug



Right In: 2728.096+/-0.536 χ^2/NDF: 552641.0/23

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2711.076+/-0.500 χ^2/NDF: 637394.1/29

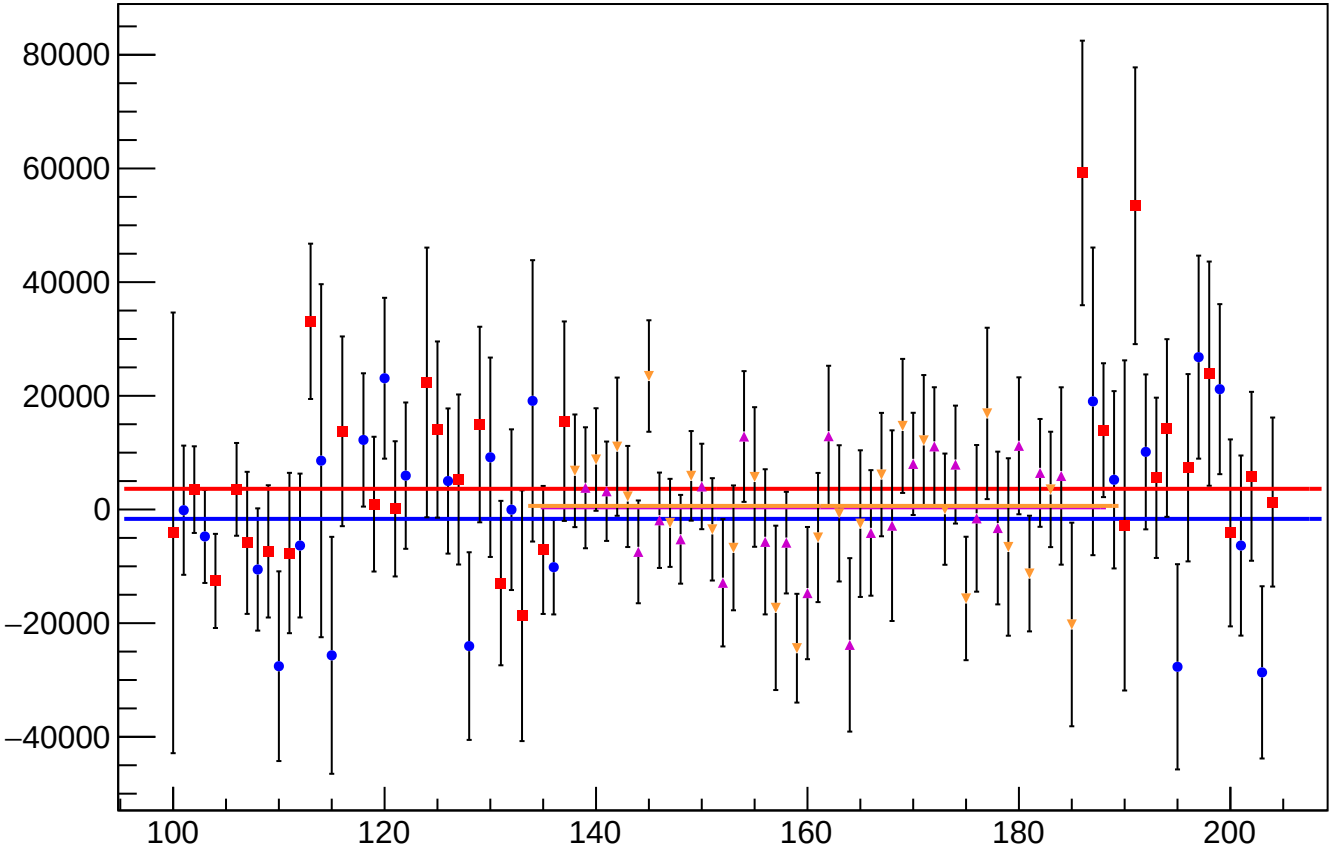
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2613.944+/-0.326 χ^2/NDF: 741861.9/48

All: 2610.036+/-0.229 χ^2/NDF: 1522700.0/10

- sign 2606.235+/-0.321 χ^2/NDF: 780554.0/52

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -1651.904+/-2807.985 χ^2/NDF: 25.6/23

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 3637.622+/-2490.585 χ^2/NDF: 28.9/29

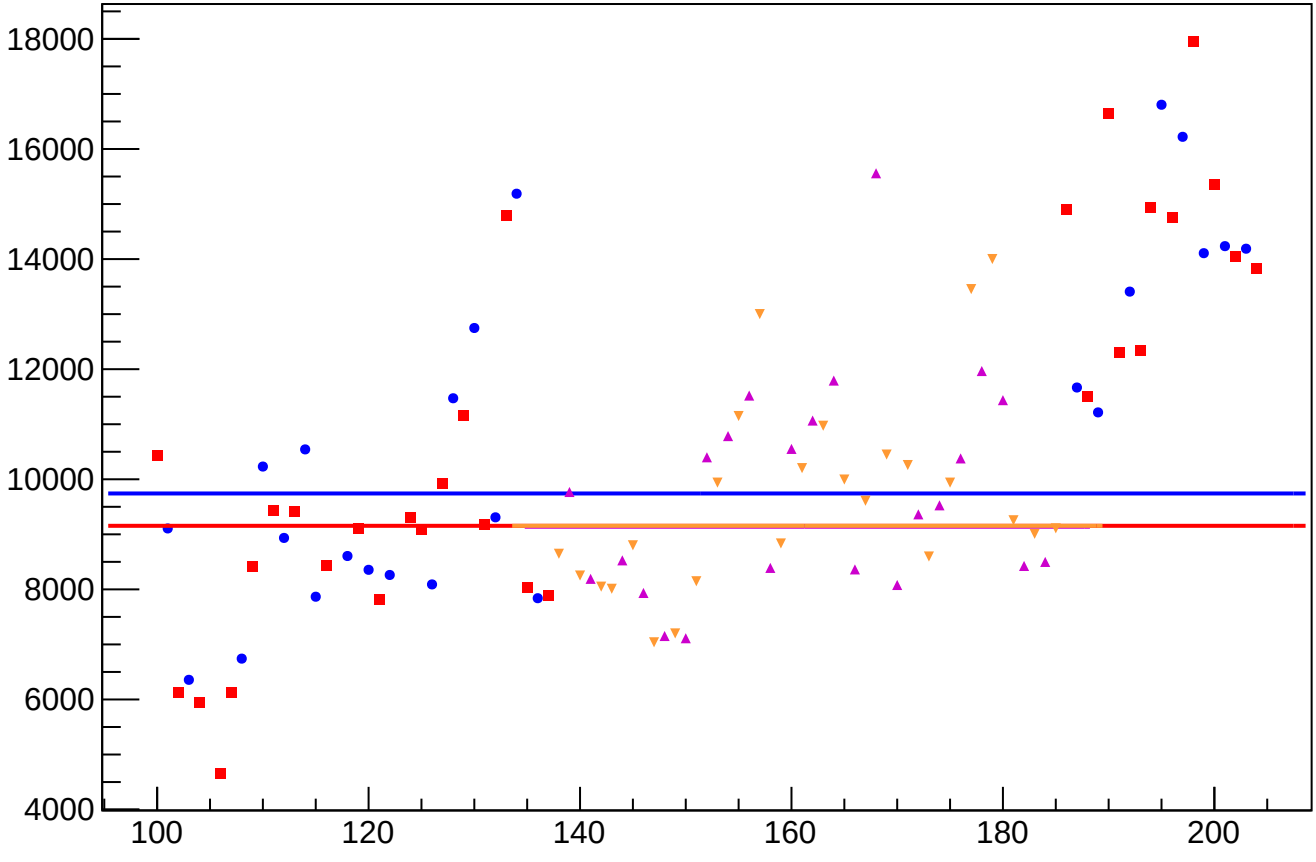
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign -199.153+/-1693.516 χ^2/NDF: 52.7/48

All: 827.694+/-1177.682 χ^2/NDF: 97.6/101

- sign 1789.283+/-1638.820 χ^2/NDF: 44.2/52

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 9742.281+/-1.986 χ^2/NDF: 2158992.1/23

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9154.774+/-1.761 χ^2/NDF: 3648096.8/29

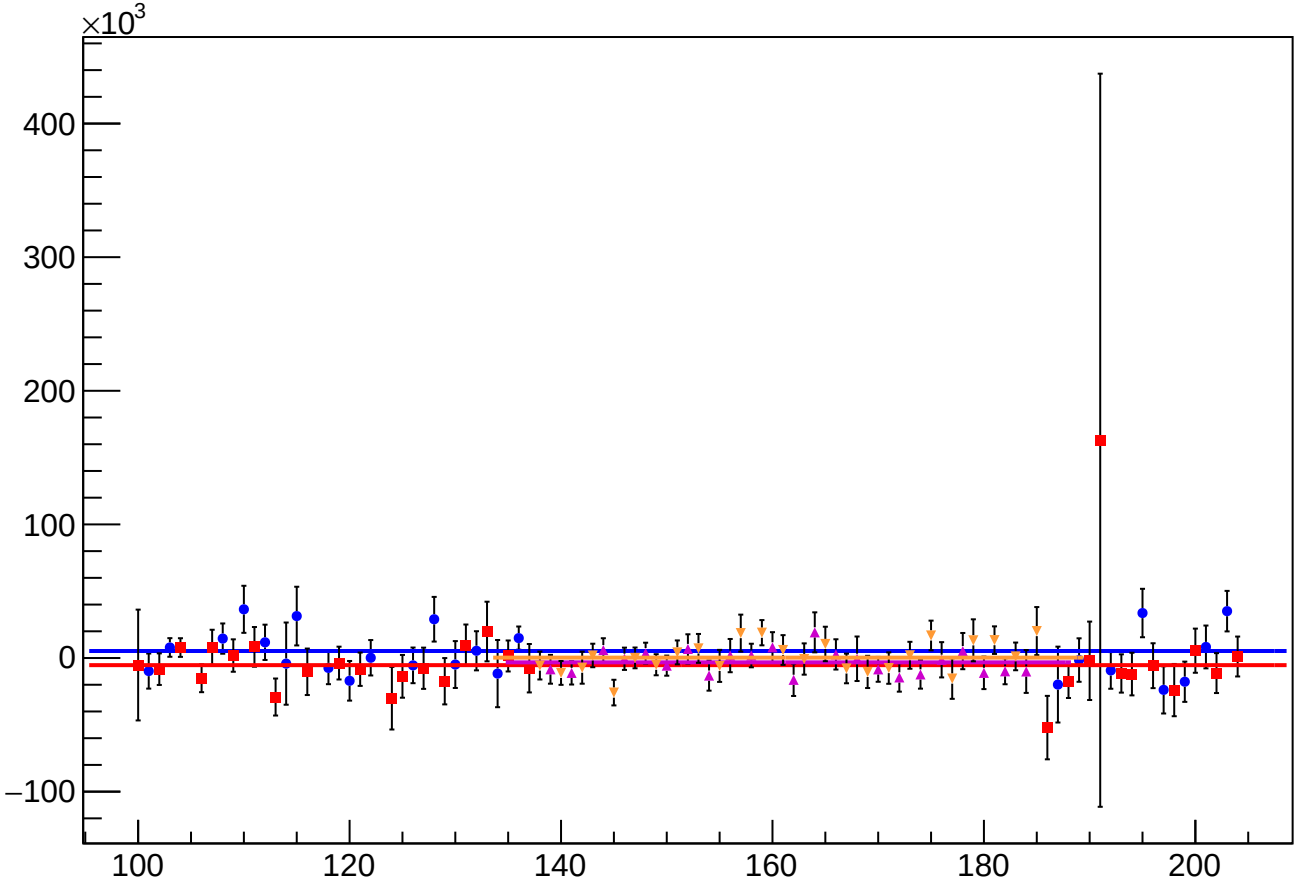
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9368.427+/-1.197 χ^2/NDF: 3286787.4/48

All: 9253.063+/-0.833 χ^2/NDF: 8125706.5/10

- sign 9145.030+/-1.159 χ^2/NDF: 4820946.9/52

asym_atr2_mean vs Slug



Right In: 5253.185+/-2834.057 χ^2/NDF: 28.7/23

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -5329.407+/-2639.129 χ^2/NDF: 21.8/29

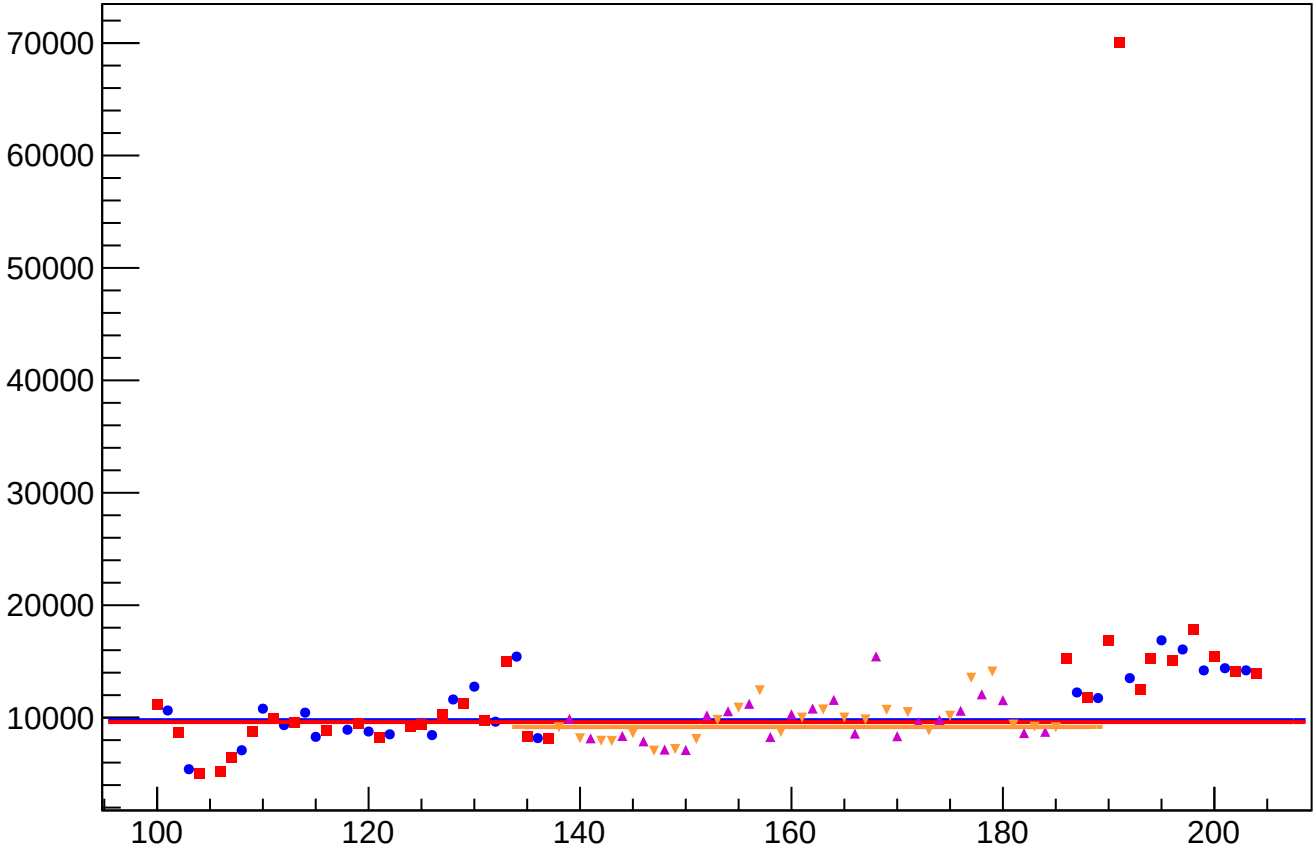
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 2079.800+/-1700.352 χ^2/NDF: 57.0/48

All: -1037.772+/-1195.312 χ^2/NDF: 99.3/101

- sign -4083.595+/-1680.672 χ^2/NDF: 35.7/52

asym_atr2_rms vs Slug



Right In: 9775.367+/-2.004 χ^2/NDF: 2493528.9/23

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 9604.359+/-1.866 χ^2/NDF: 3491668.4/29

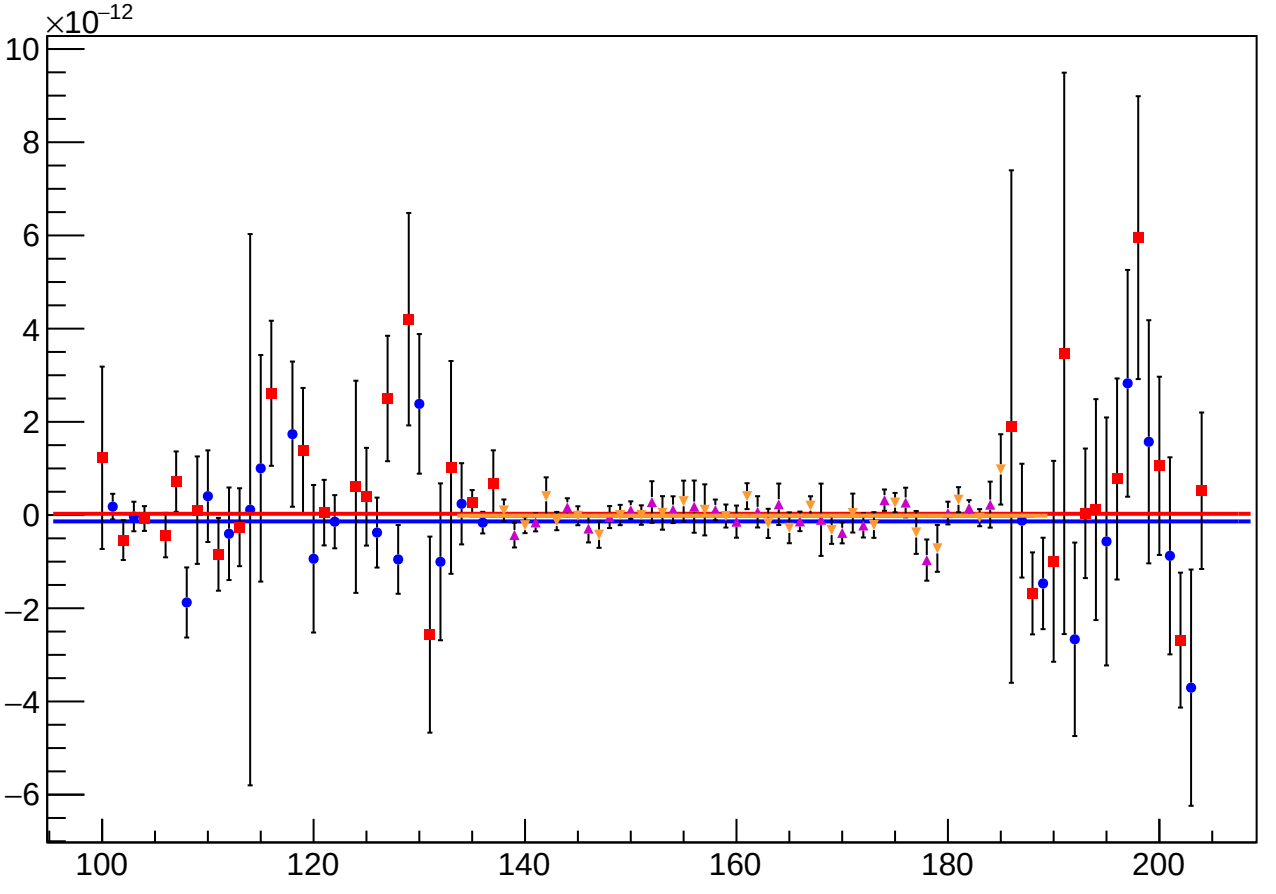
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9389.720+/-1.202 χ^2/NDF: 3608337.2/48

All: 9365.363+/-0.845 χ^2/NDF: 8261711.7/10

- sign 9341.568+/-1.188 χ^2/NDF: 4652563.2/52

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/29

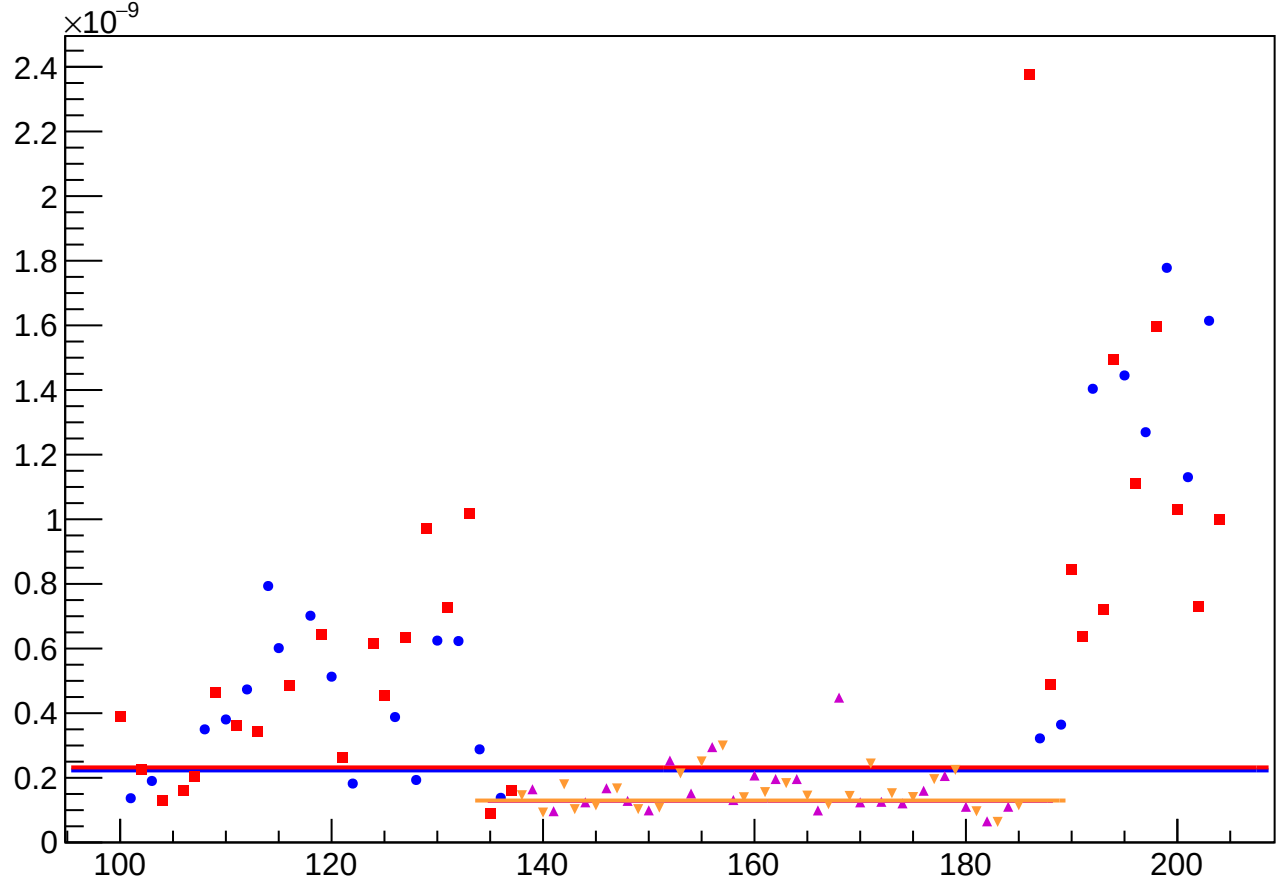
Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.2/48

All: -0.000+/-0.000 χ^2/NDF: 92.6/101

- sign -0.000+/-0.000 χ^2/NDF: 51.2/52

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4597959.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5430561.9/29

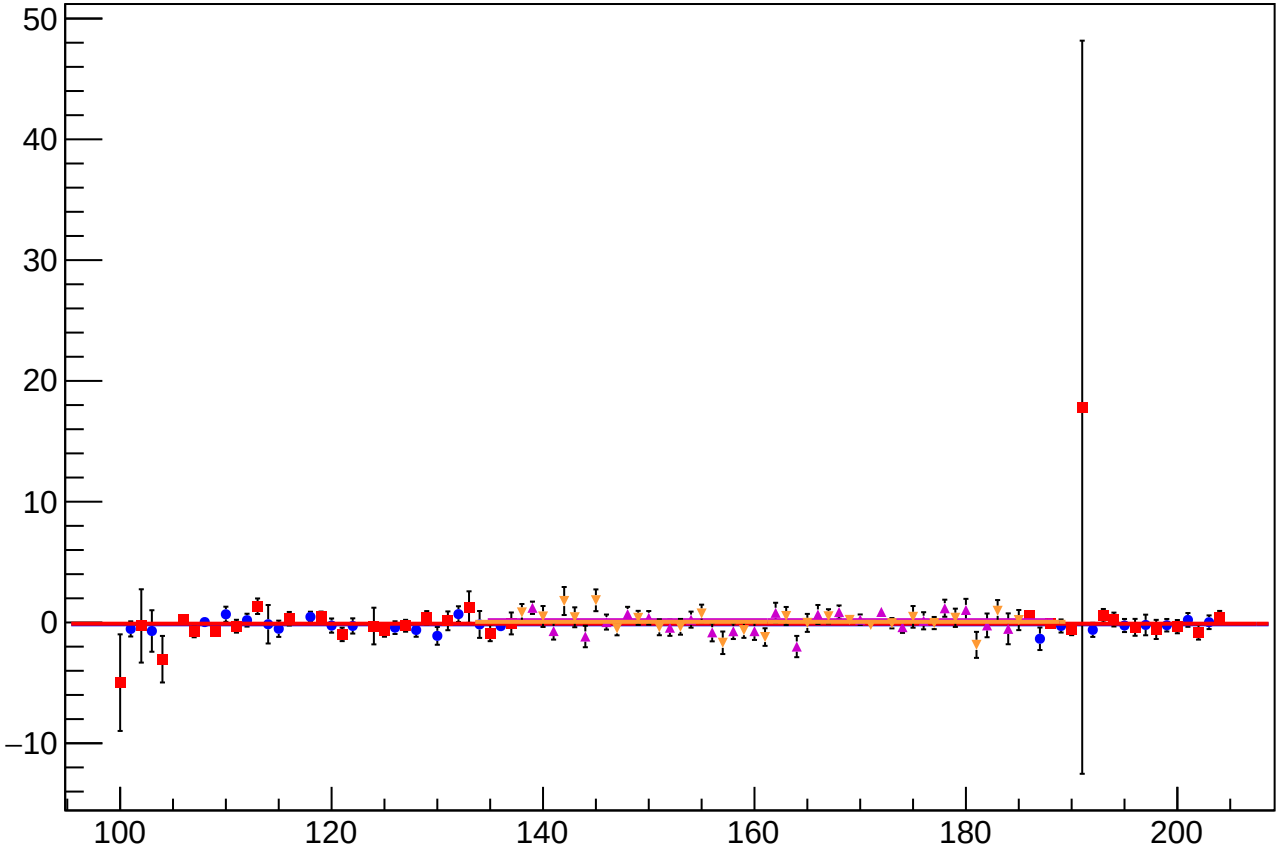
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6859244.2/48

All: 0.000+/-0.000 χ^2/NDF: 14830889.2/101

- sign 0.000+/-0.000 χ^2/NDF: 7971618.6/52

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.152+/-0.120 χ^2/NDF: 12.7/23

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.100+/-0.097 χ^2/NDF: 33.8/29

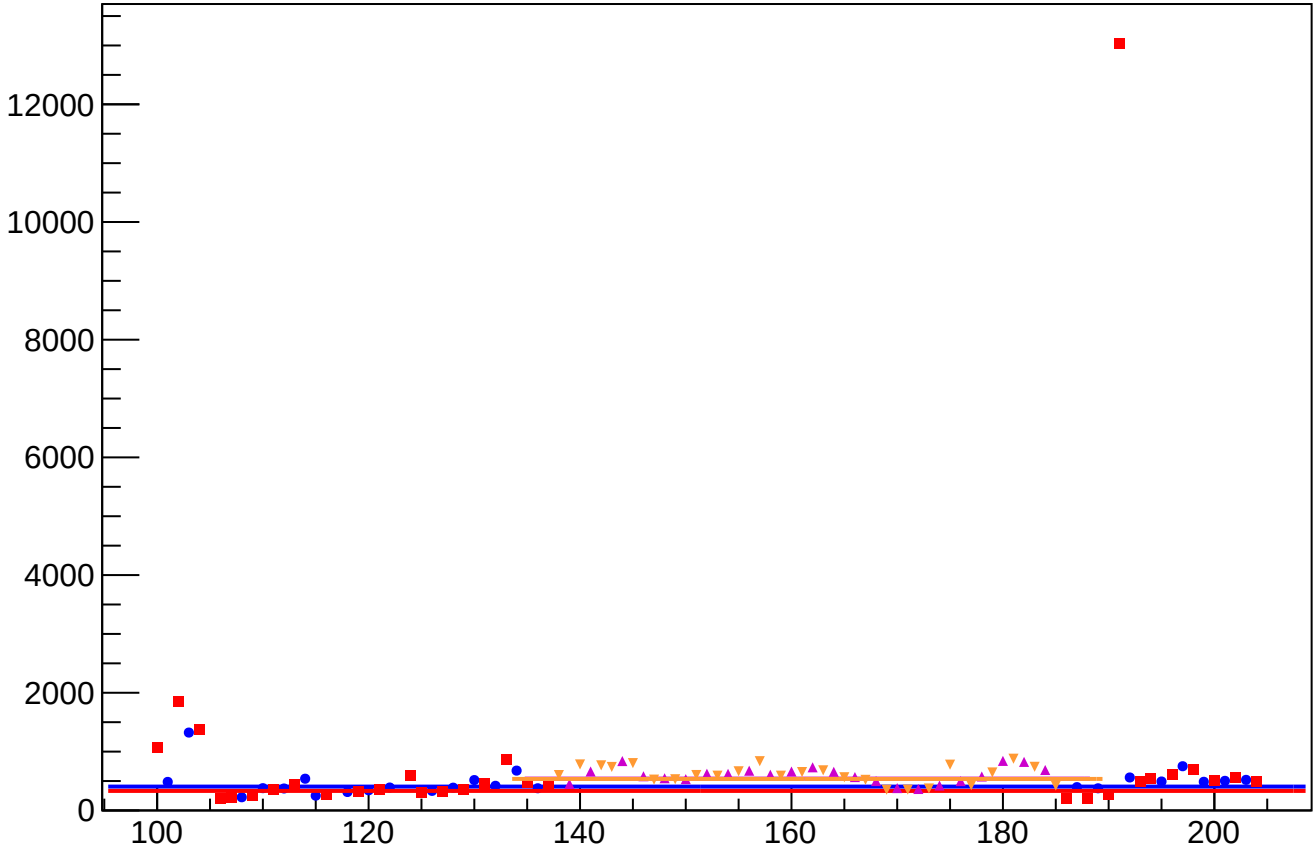
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.057+/-0.088 χ^2/NDF: 38.7/48

All: -0.025+/-0.059 χ^2/NDF: 107.0/101

- sign 0.001+/-0.079 χ^2/NDF: 68.0/52

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 405.491+/-0.085 χ^2/NDF: 2273759.3/23

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 331.985+/-0.069 χ^2/NDF: 5459171.4/29

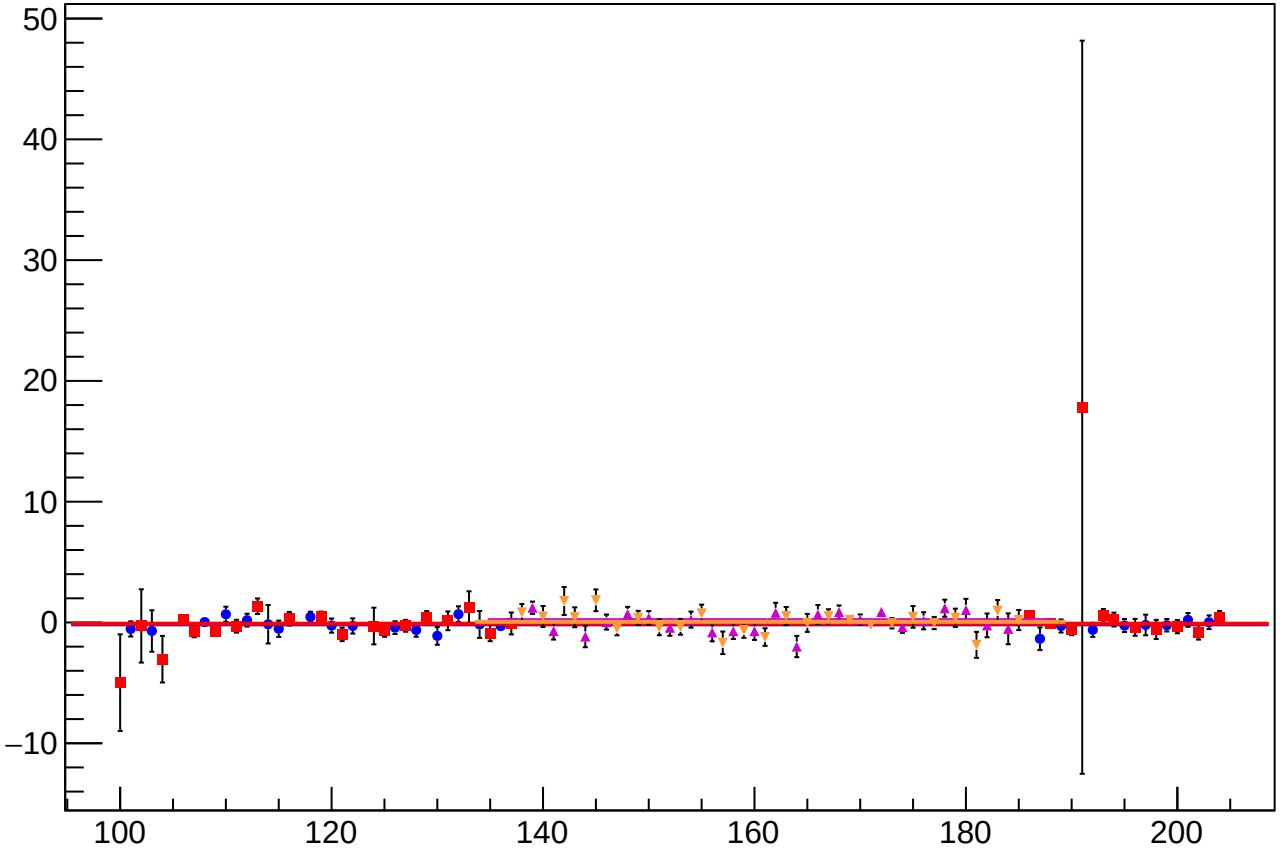
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 465.523+/-0.062 χ^2/NDF: 6119049.4/48

All: 431.783+/-0.041 χ^2/NDF: 17219647.1/10

- sign 404.772+/-0.056 χ^2/NDF: 10569402.9/52

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.152+/-0.120 χ^2/NDF: 12.7/23

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.100+/-0.097 χ^2/NDF: 33.8/29

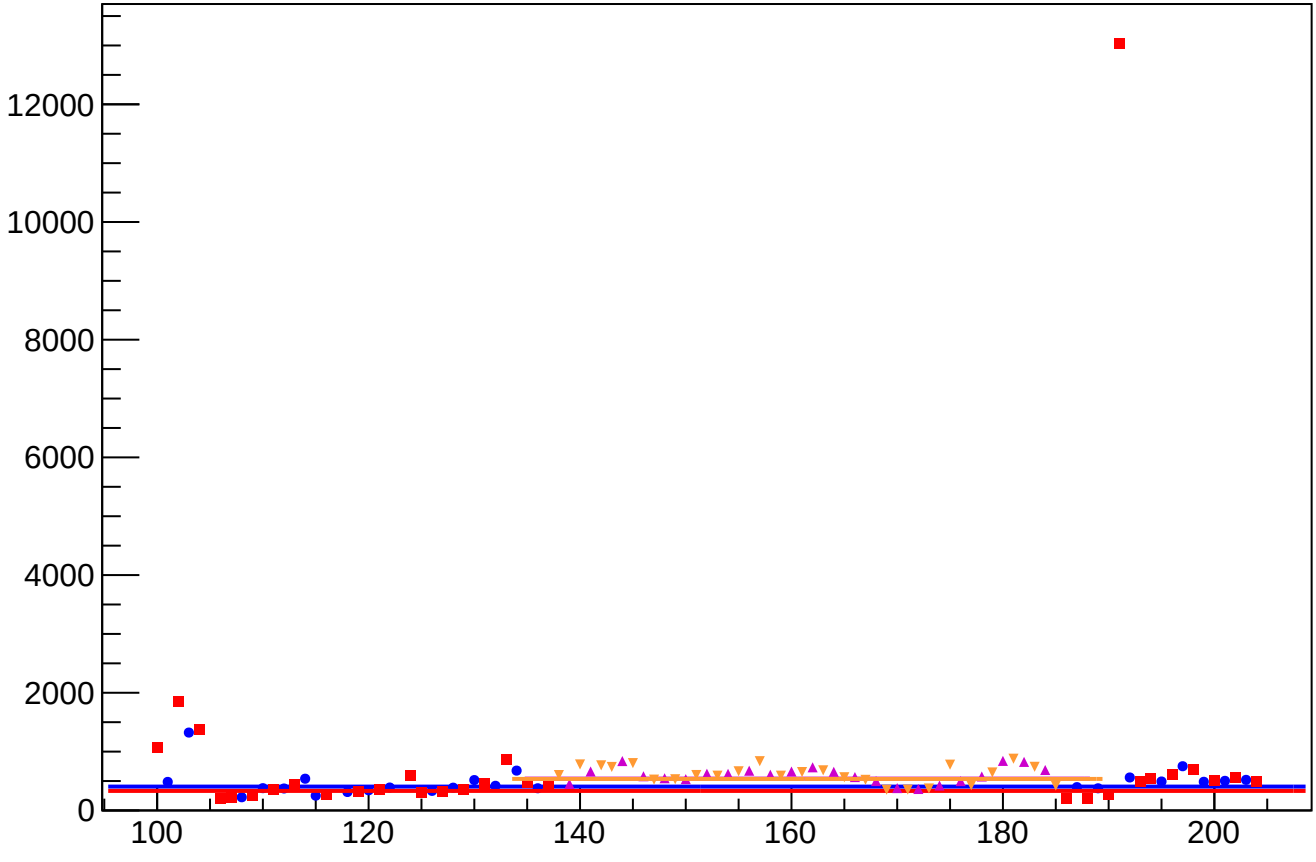
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.057+/-0.088 χ^2/NDF: 38.7/48

All: -0.025+/-0.059 χ^2/NDF: 107.0/101

- sign 0.001+/-0.079 χ^2/NDF: 68.0/52

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 405.491+/-0.085 χ^2/NDF: 2273759.3/23

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

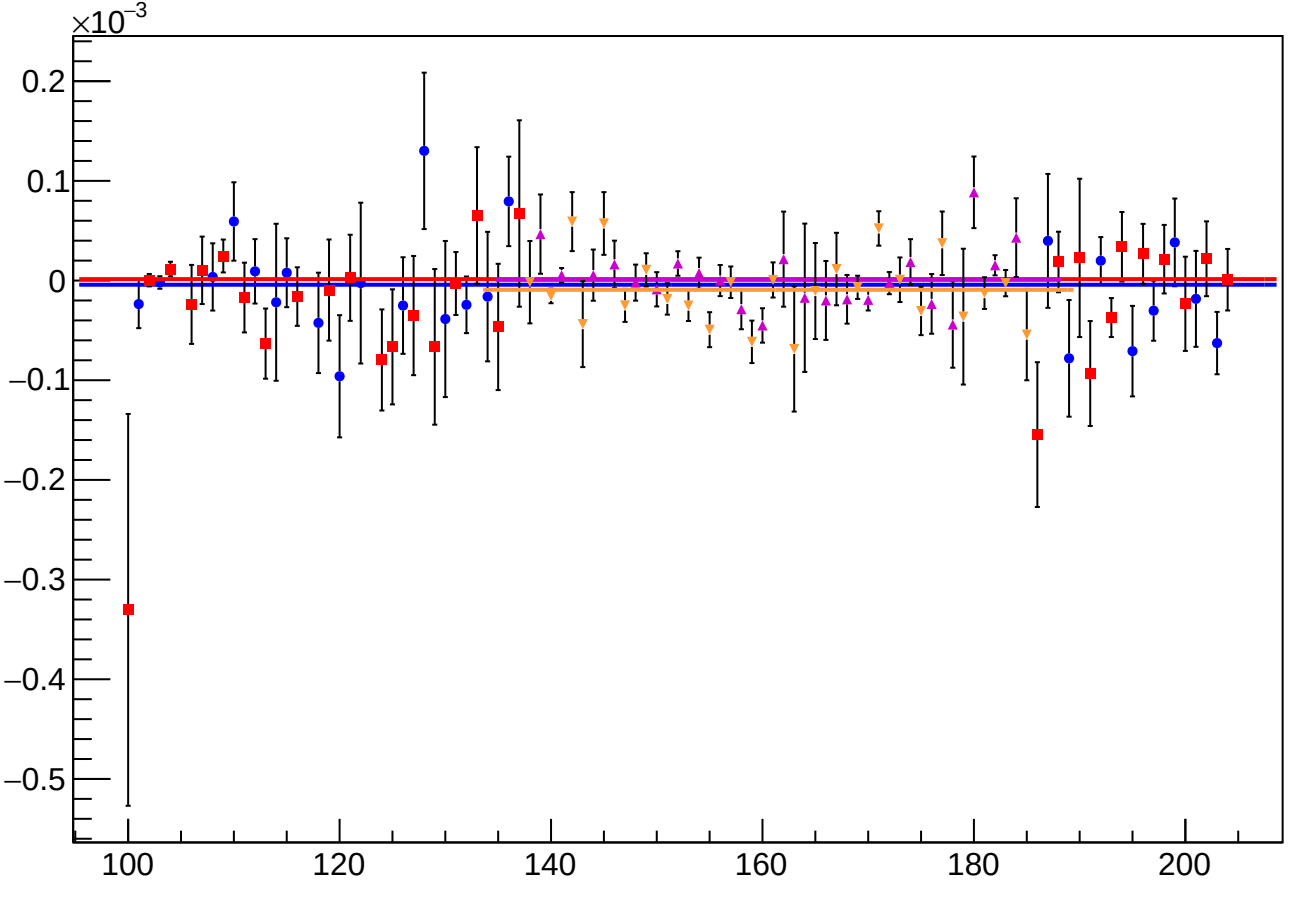
Right Out: 331.985+/-0.069 χ^2/NDF: 5459171.4/29

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 465.523+/-0.062 χ^2/NDF: 6119049.4/48

All: 431.783+/-0.041 χ^2/NDF: 17219647.1/10

- sign 404.772+/-0.056 χ^2/NDF: 10569402.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.9/29

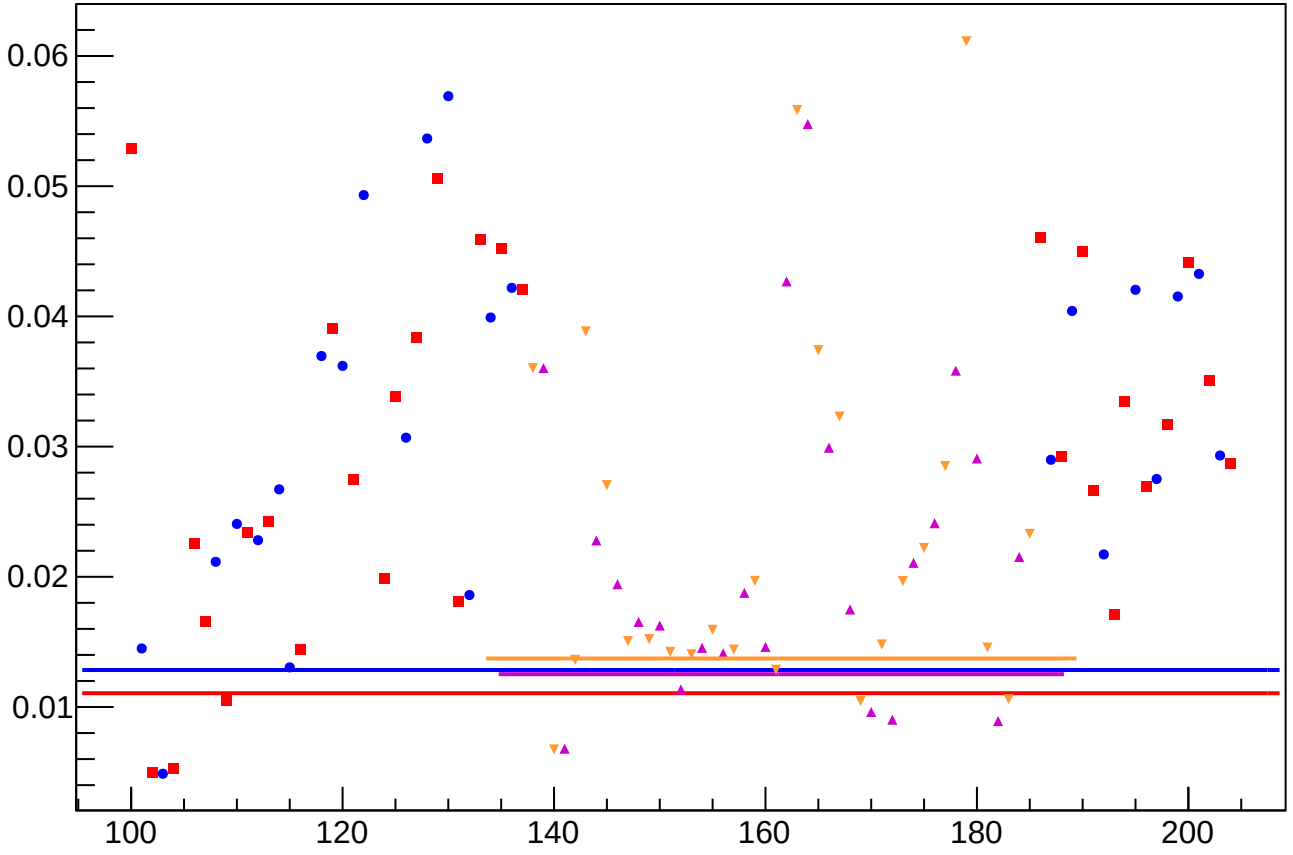
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.2/48

All: -0.000+/-0.000 χ^2/NDF: 138.0/101

- sign 0.000+/-0.000 χ^2/NDF: 62.9/52

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 12012341.6/23

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 14091103.2/29

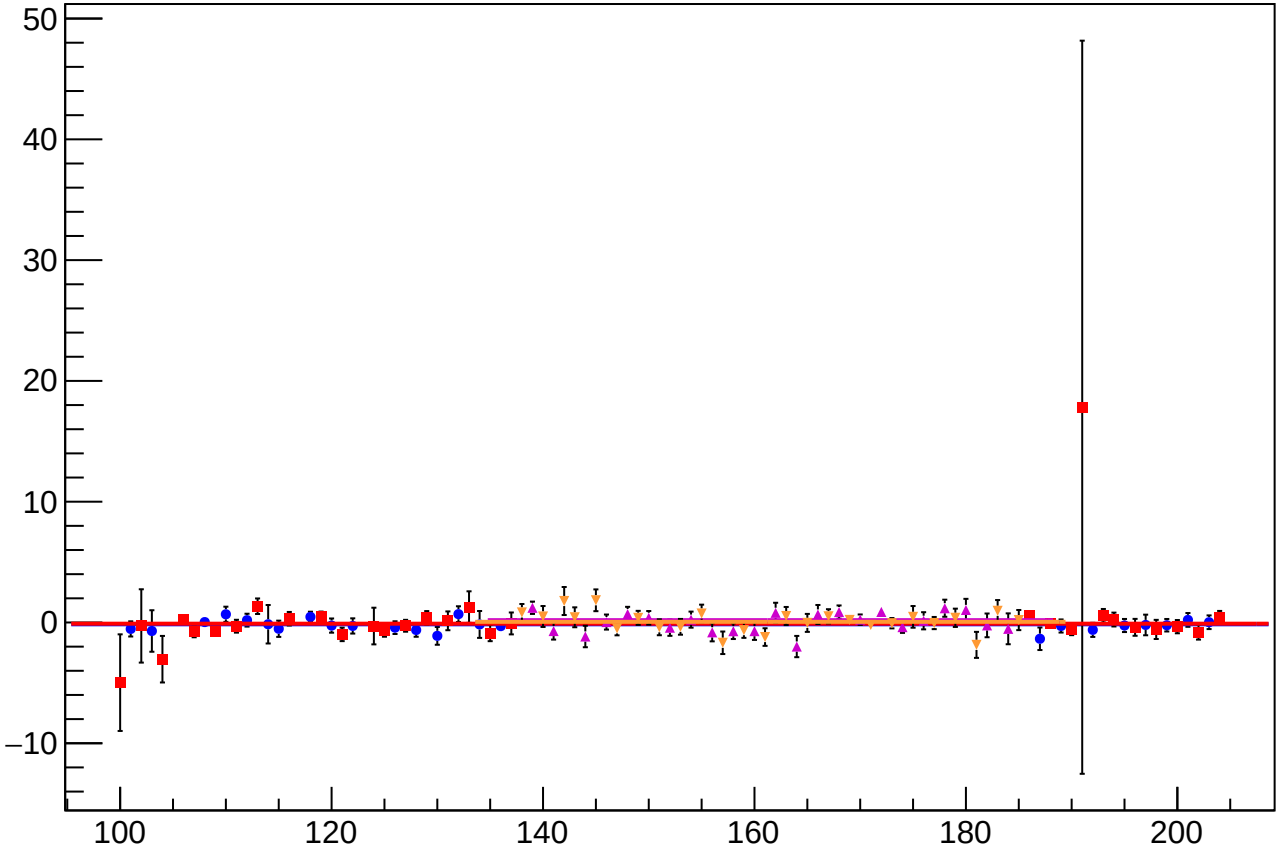
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 19770679.3/48

All: 0.013+/-0.000 χ^2/NDF: 41452621.3/101

- sign 0.012+/-0.000 χ^2/NDF: 21369952.2/52

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.152+/-0.120 χ^2/NDF: 12.7/23

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.100+/-0.097 χ^2/NDF: 33.8/29

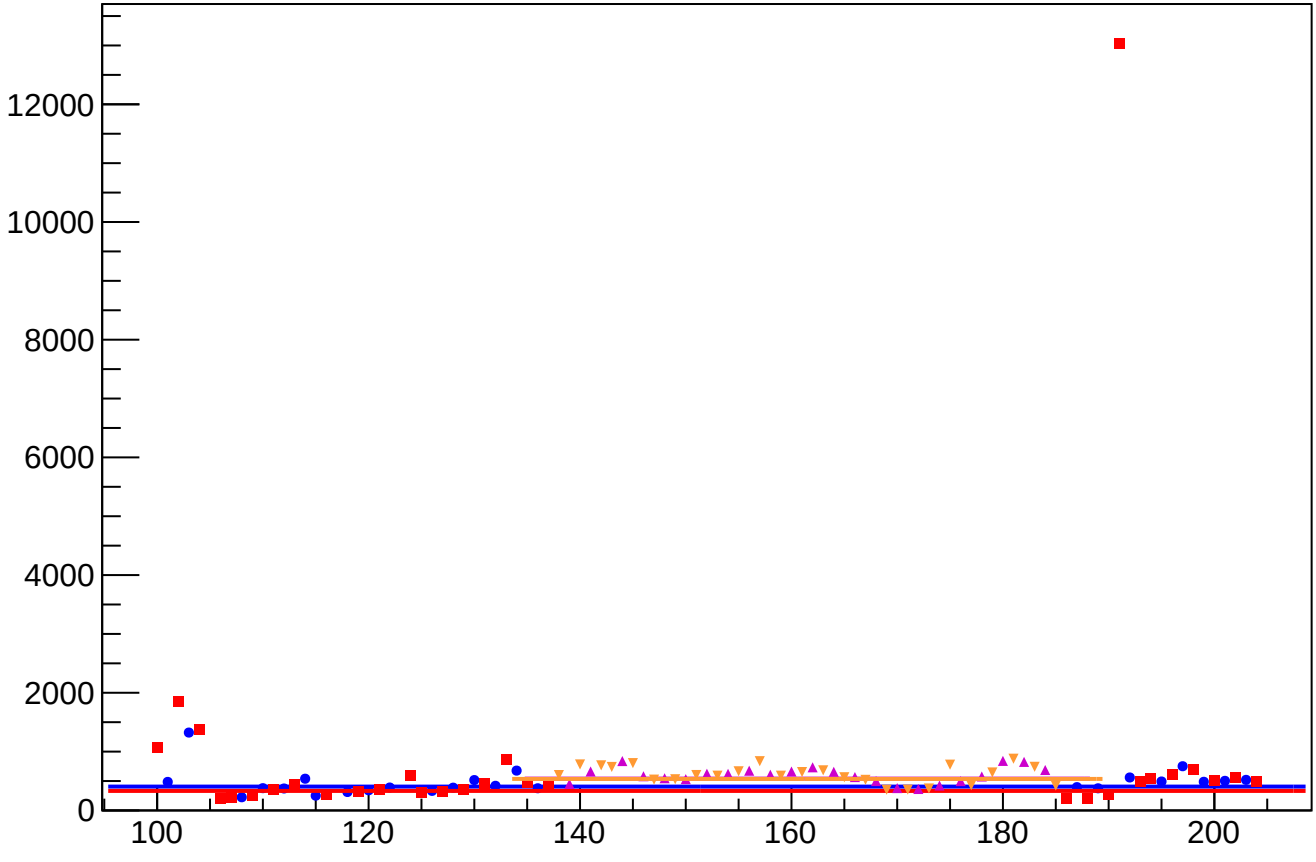
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.057+/-0.088 χ^2/NDF: 38.7/48

All: -0.025+/-0.059 χ^2/NDF: 107.0/101

- sign 0.001+/-0.079 χ^2/NDF: 68.0/52

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 405.488+/-0.085 χ^2/NDF: 2273800.1/23

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 331.985+/-0.069 χ^2/NDF: 5459152.2/29

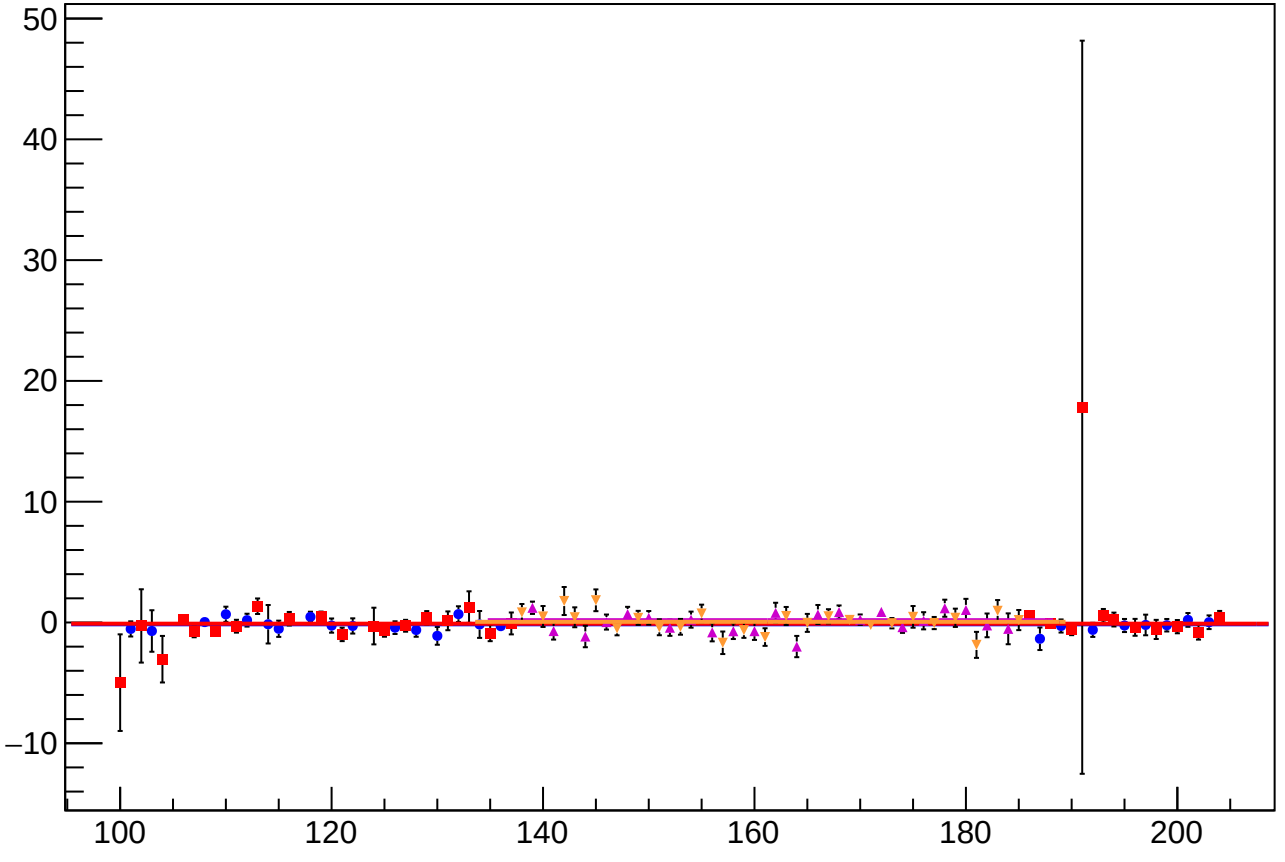
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 465.523+/-0.062 χ^2/NDF: 6119295.0/48

All: 431.784+/-0.041 χ^2/NDF: 17219991.5/10

- sign 404.773+/-0.056 χ^2/NDF: 10569530.6/52

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.152+/-0.120 χ^2/NDF: 12.7/23

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.100+/-0.097 χ^2/NDF: 33.8/29

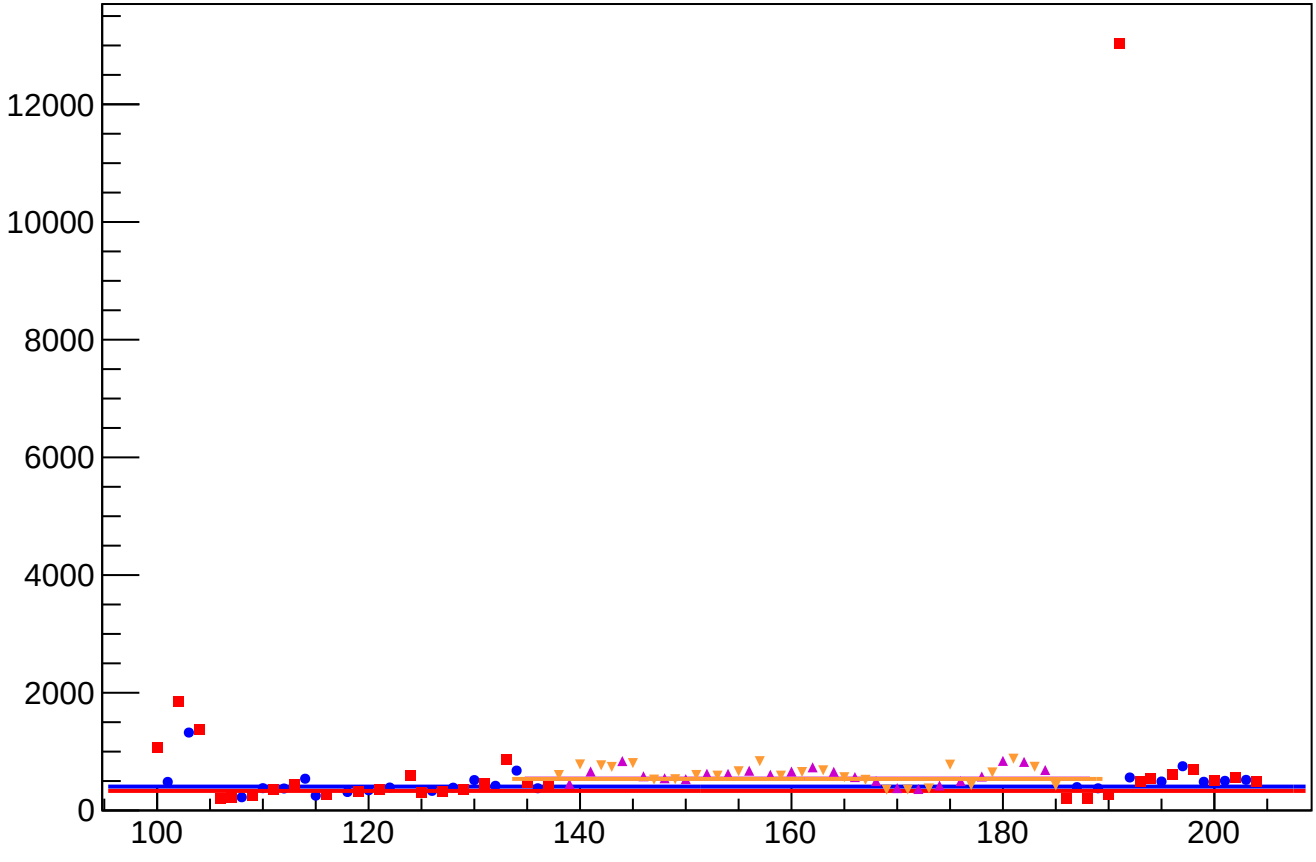
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.057+/-0.088 χ^2/NDF: 38.7/48

All: -0.025+/-0.059 χ^2/NDF: 107.0/101

- sign 0.001+/-0.079 χ^2/NDF: 68.0/52

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 405.488+/-0.085 χ^2/NDF: 2273800.1/23

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 331.985+/-0.069 χ^2/NDF: 5459152.2/29

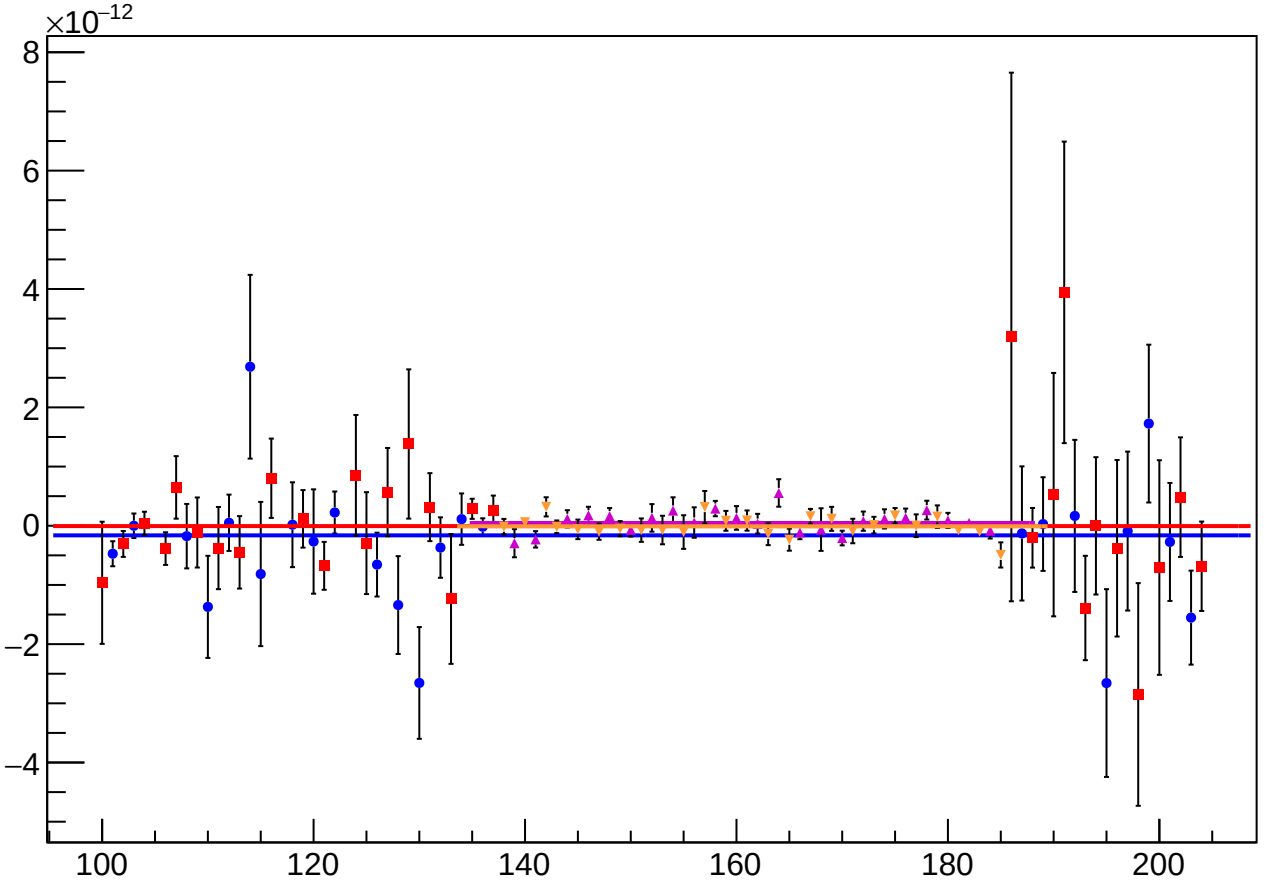
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 465.523+/-0.062 χ^2/NDF: 6119295.0/48

All: 431.784+/-0.041 χ^2/NDF: 17219991.5/10

- sign 404.773+/-0.056 χ^2/NDF: 10569530.6/52

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

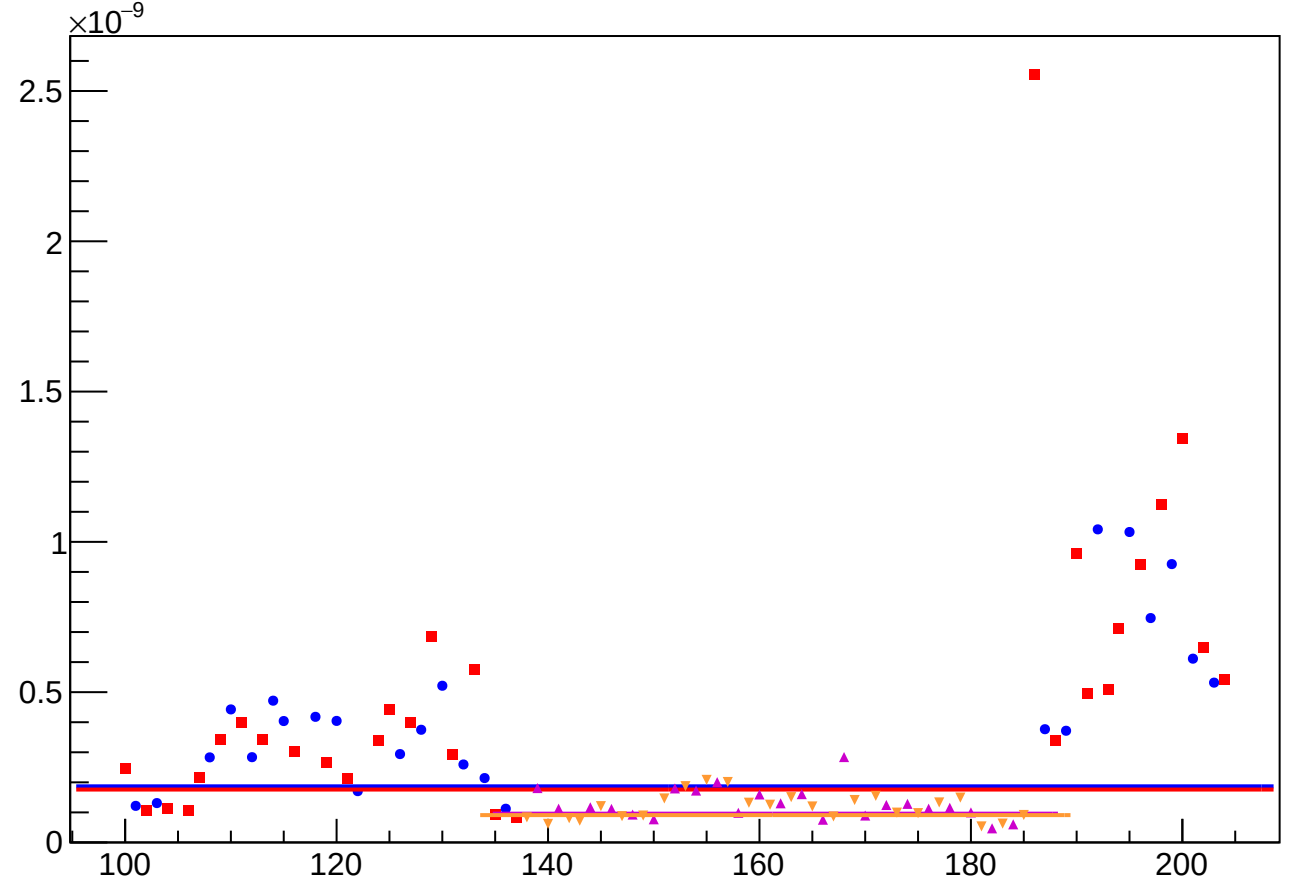
Right Out: -0.000+/-0.000 χ^2/NDF: 28.7/29

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.0/48

All: 0.000+/-0.000 χ^2/NDF: 114.0/101

- sign 0.000+/-0.000 χ^2/NDF: 57.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 5472085.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7615731.6/29

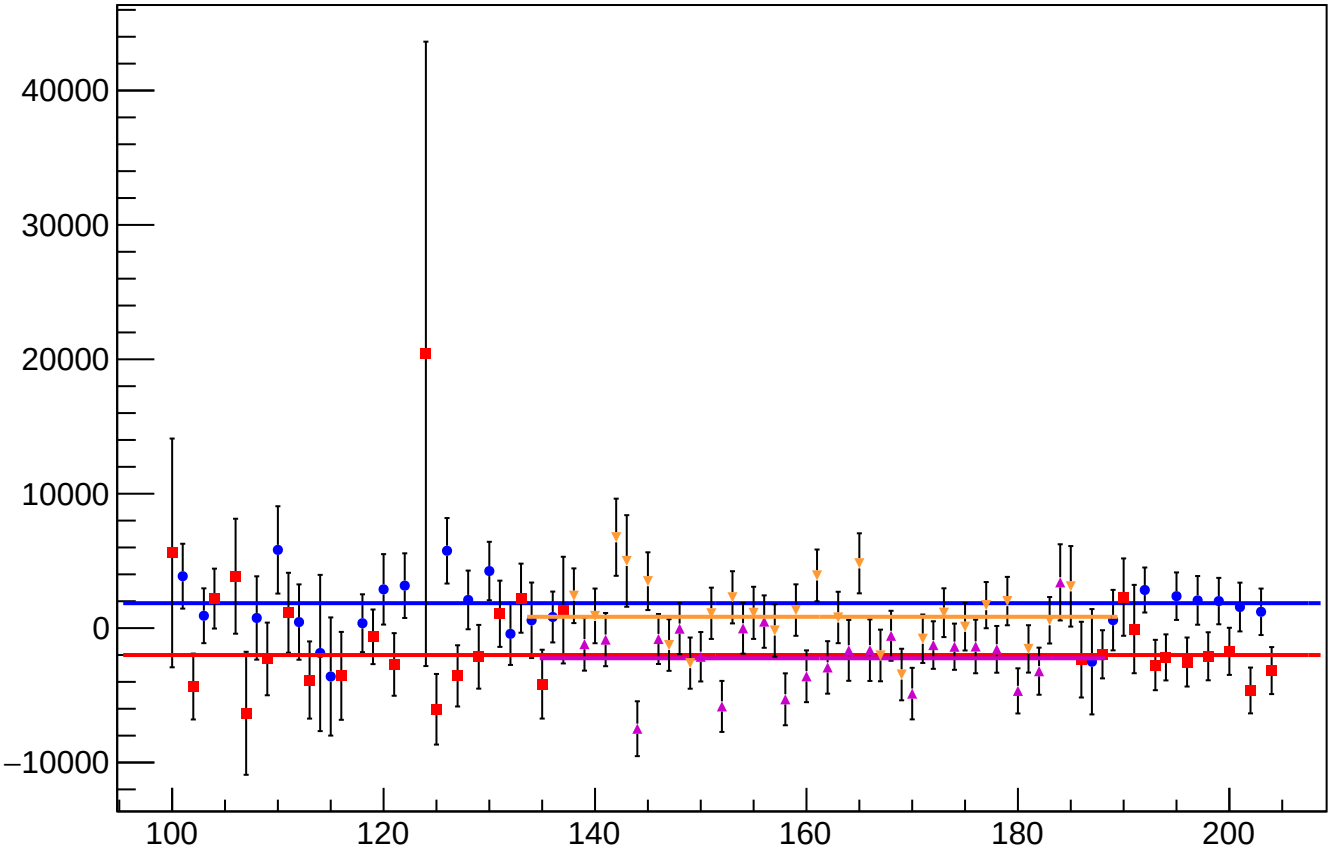
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11135333.4/48

All: 0.000+/-0.000 χ^2/NDF: 24437304.0/101

- sign 0.000+/-0.000 χ^2/NDF: 13268162.2/52

reg_asym_atl_avg_mean vs Slug



Right In: 1855.302+/-458.570 χ^2/NDF: 13.1/23

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -2002.547+/-433.882 χ^2/NDF: 25.5/29

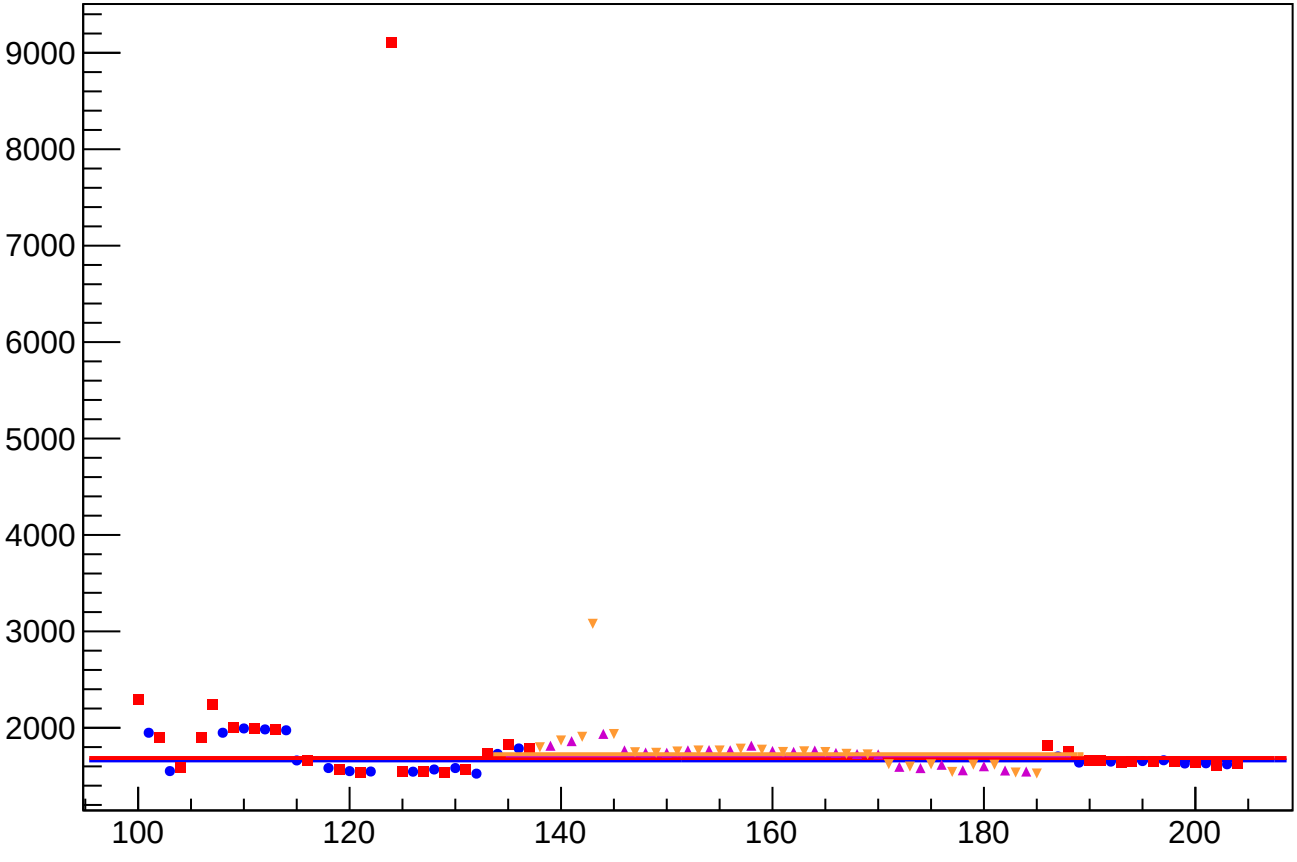
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1272.658+/-299.038 χ^2/NDF: 46.3/48

All: -457.041+/-209.790 χ^2/NDF: 167.2/101

- sign -2133.404+/-294.391 χ^2/NDF: 55.1/52

reg_asym_atl_avg_rms vs Slug



Right In: 1662.118+/-0.324 χ^2/NDF: 145761.7/23

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1686.669+/-0.306 χ^2/NDF: 406425.0/29

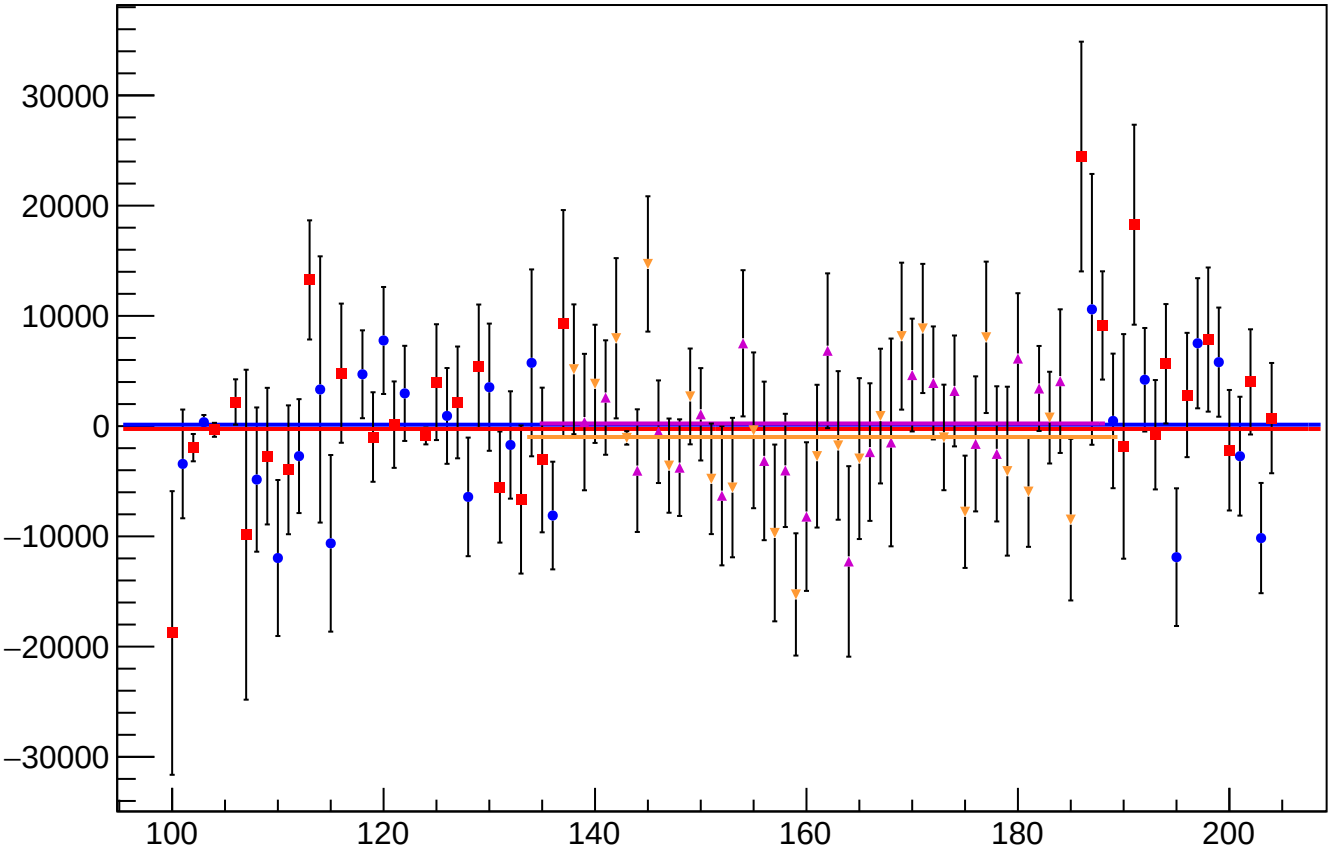
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1698.868+/-0.211 χ^2/NDF: 623040.9/48

All: 1699.918+/-0.148 χ^2/NDF: 1162836.2/10

- sign 1700.934+/-0.208 χ^2/NDF: 539746.8/52

asym_atl_avg_reg_correction_mean vs Slug



Right In: 129.550+/-567.457 χ^2/NDF: 28.4/23

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -258.261+/-413.046 χ^2/NDF: 36.4/29

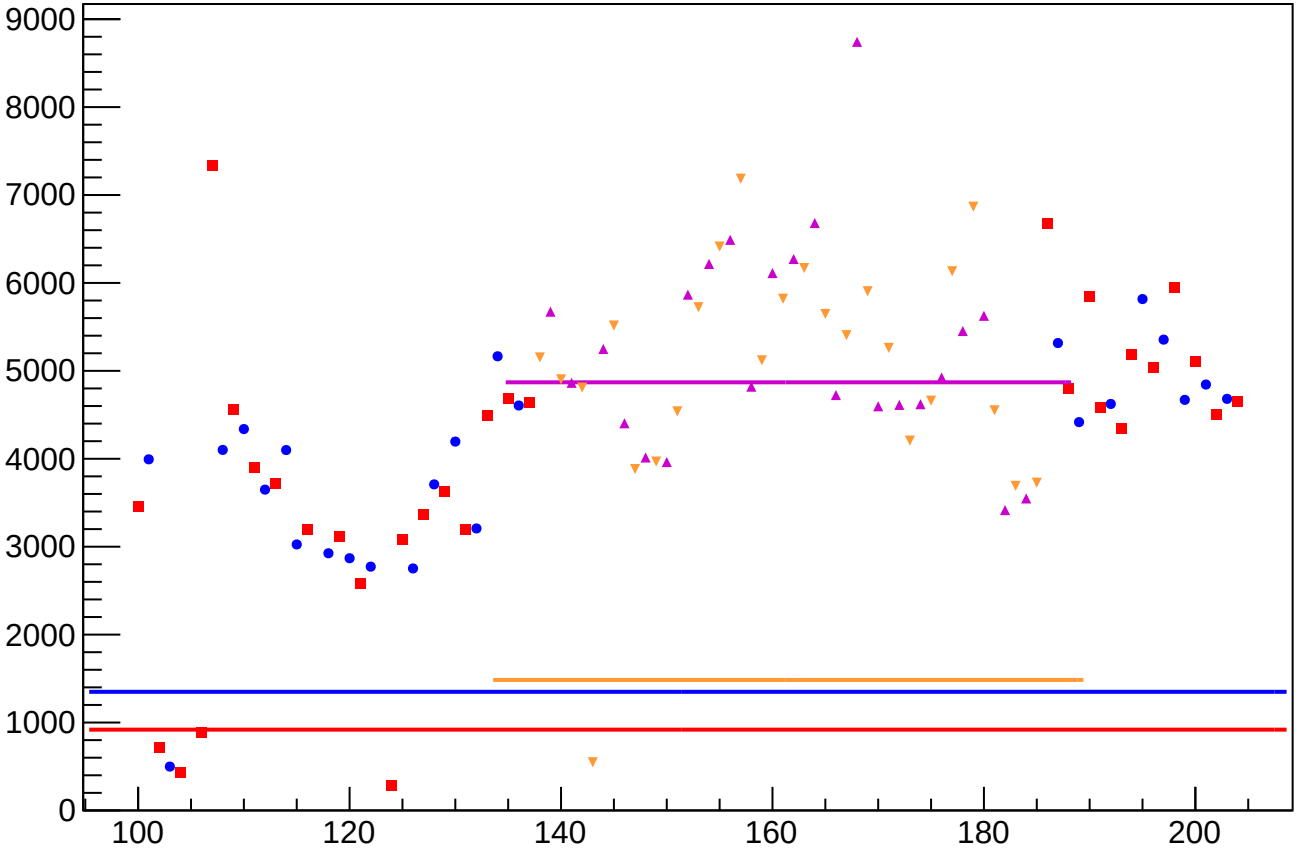
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -455.429+/-391.659 χ^2/NDF: 61.3/48

All: -328.288+/-276.108 χ^2/NDF: 111.6/101

- sign -202.673+/-389.304 χ^2/NDF: 50.1/52

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1349.570+/-0.401 χ^2/NDF: 14907046.8/23

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 919.106+/-0.292 χ^2/NDF: 19740678.2/29

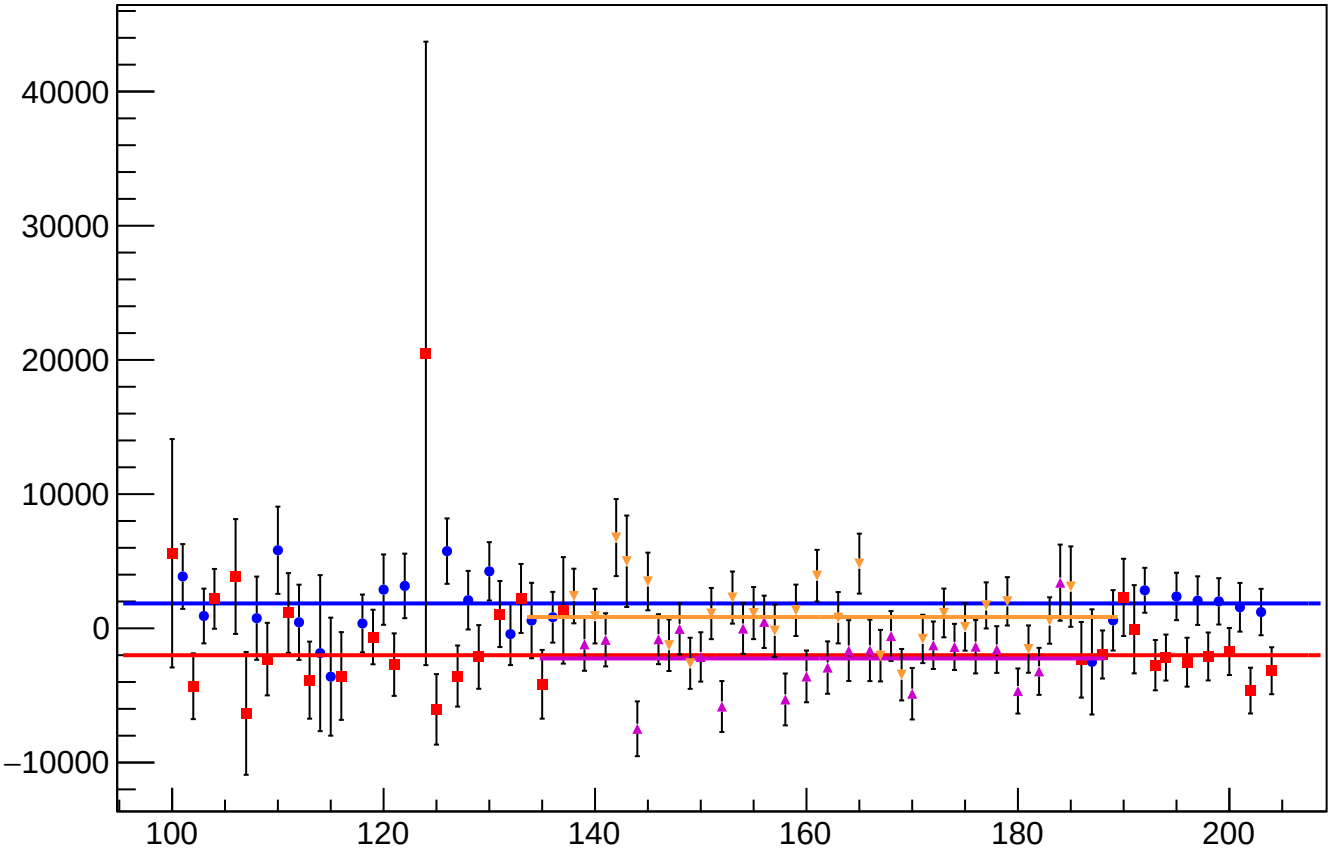
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1420.256+/-0.277 χ^2/NDF: 38191258.7/48

All: 1390.058+/-0.195 χ^2/NDF: 79858931.4/1

- sign 1360.223+/-0.275 χ^2/NDF: 41644036.8/52

cor_asym_atl_avg_mean vs Slug



Right In: 1855.392+/-458.570 χ^2/NDF: 13.1/23

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -2001.429+/-433.884 χ^2/NDF: 25.5/29

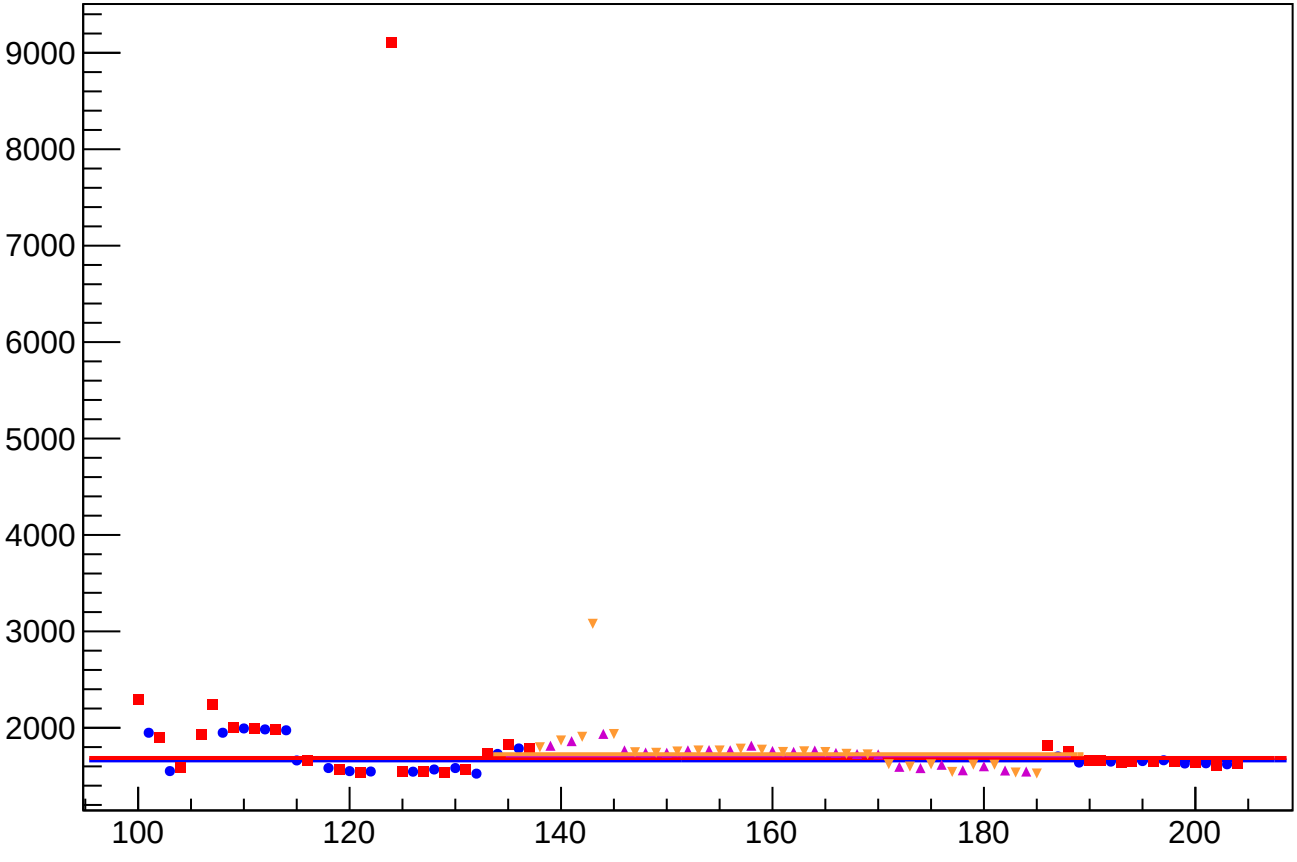
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1272.692+/-299.038 χ^2/NDF: 46.3/48

All: -456.766+/-209.790 χ^2/NDF: 167.2/101

- sign -2132.900+/-294.392 χ^2/NDF: 55.1/52

cor_asym_atl_avg_rms vs Slug



Right In: 1662.118+/-0.324 χ^2/NDF: 145761.7/23

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1687.038+/-0.306 χ^2/NDF: 408423.3/29

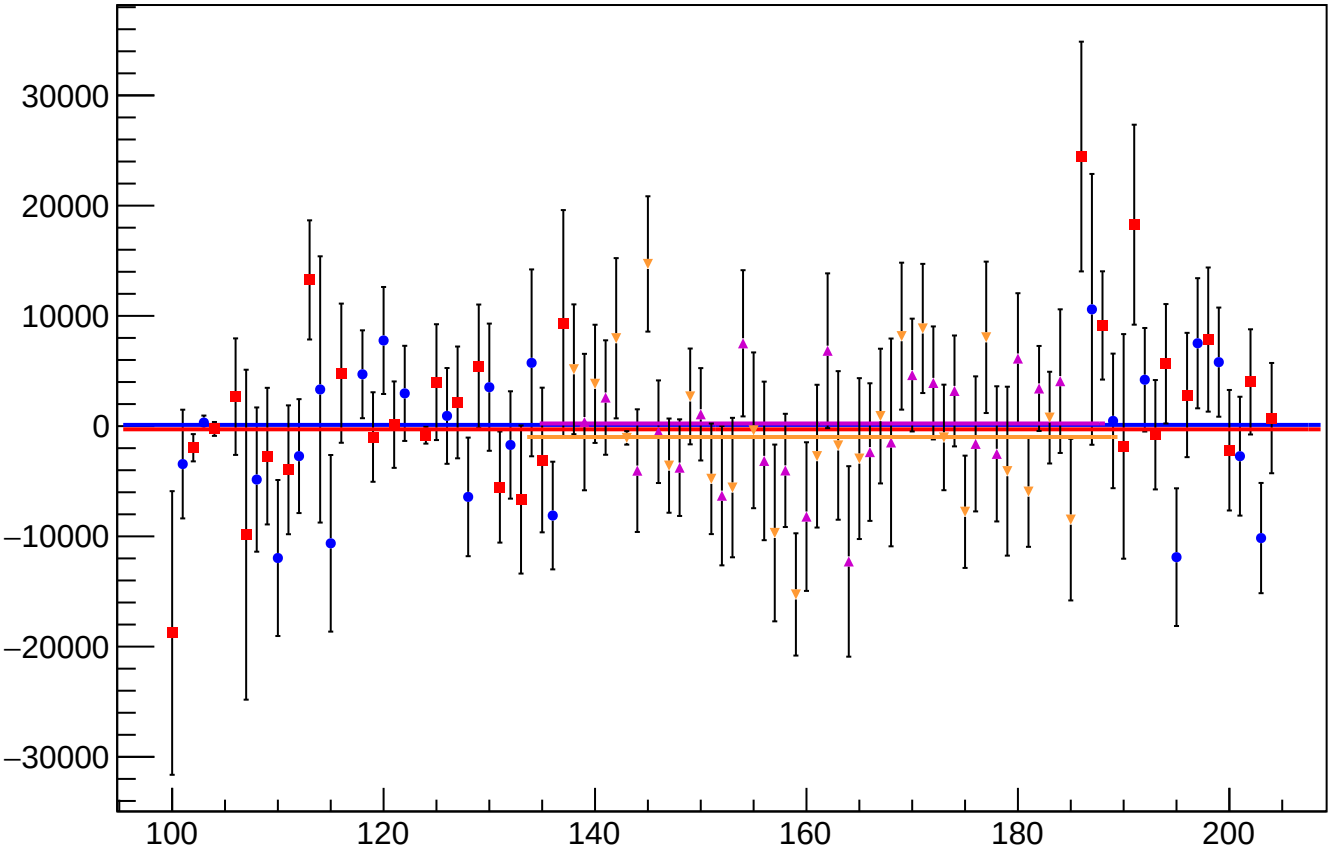
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1698.868+/-0.211 χ^2/NDF: 623041.0/48

All: 1700.006+/-0.148 χ^2/NDF: 1164730.8/10

- sign 1701.107+/-0.208 χ^2/NDF: 541632.8/52

asym_atl_avg_cor_correction_mean vs Slug



Right In: 110.958+/-556.620 χ^2/NDF: 28.4/23

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -289.506+/-418.408 χ^2/NDF: 35.2/29

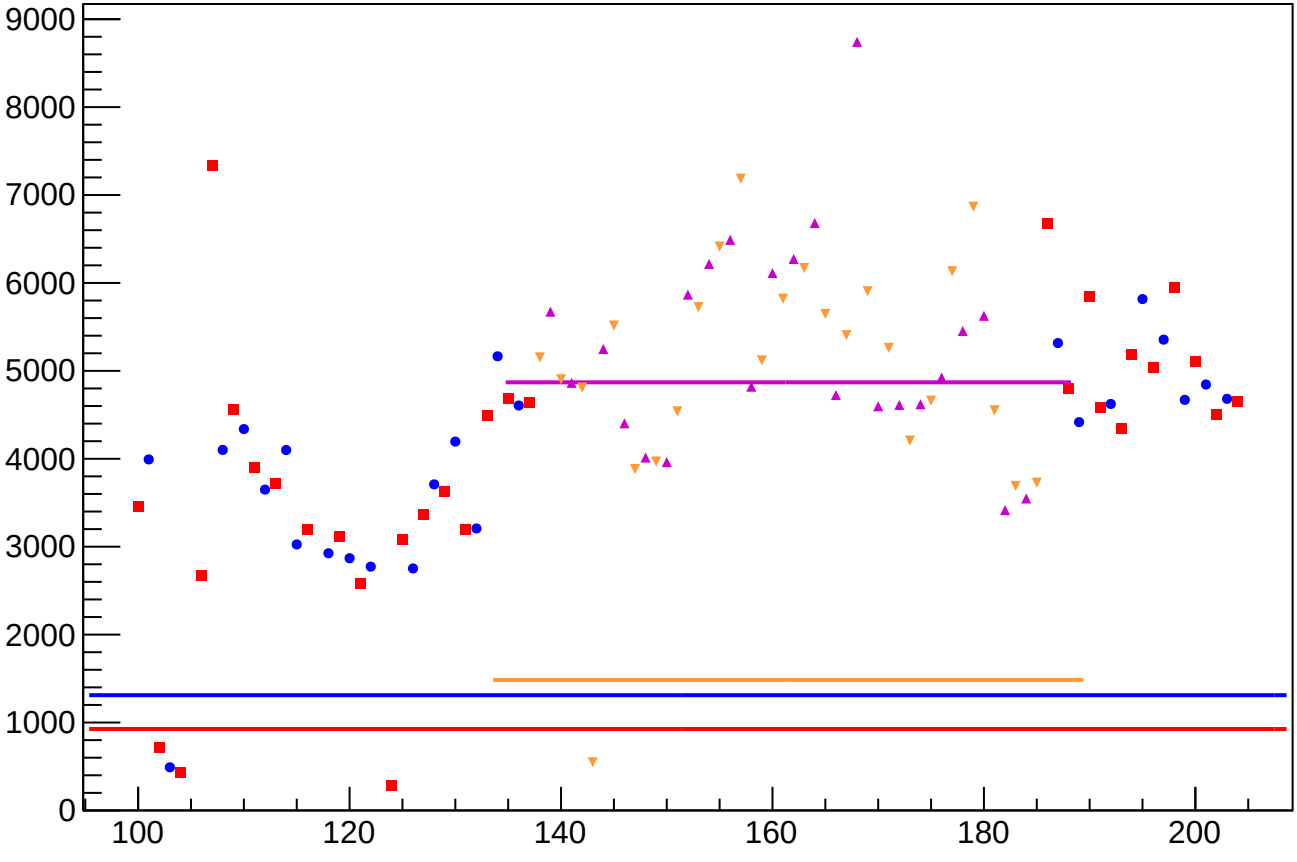
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -453.557+/-388.035 χ^2/NDF: 61.2/48

All: -342.966+/-276.392 χ^2/NDF: 110.3/101

- sign -229.074+/-393.783 χ^2/NDF: 48.9/52

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1311.187+/-0.394 χ^2/NDF: 15142601.9/23

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 926.791+/-0.296 χ^2/NDF: 19994218.9/29

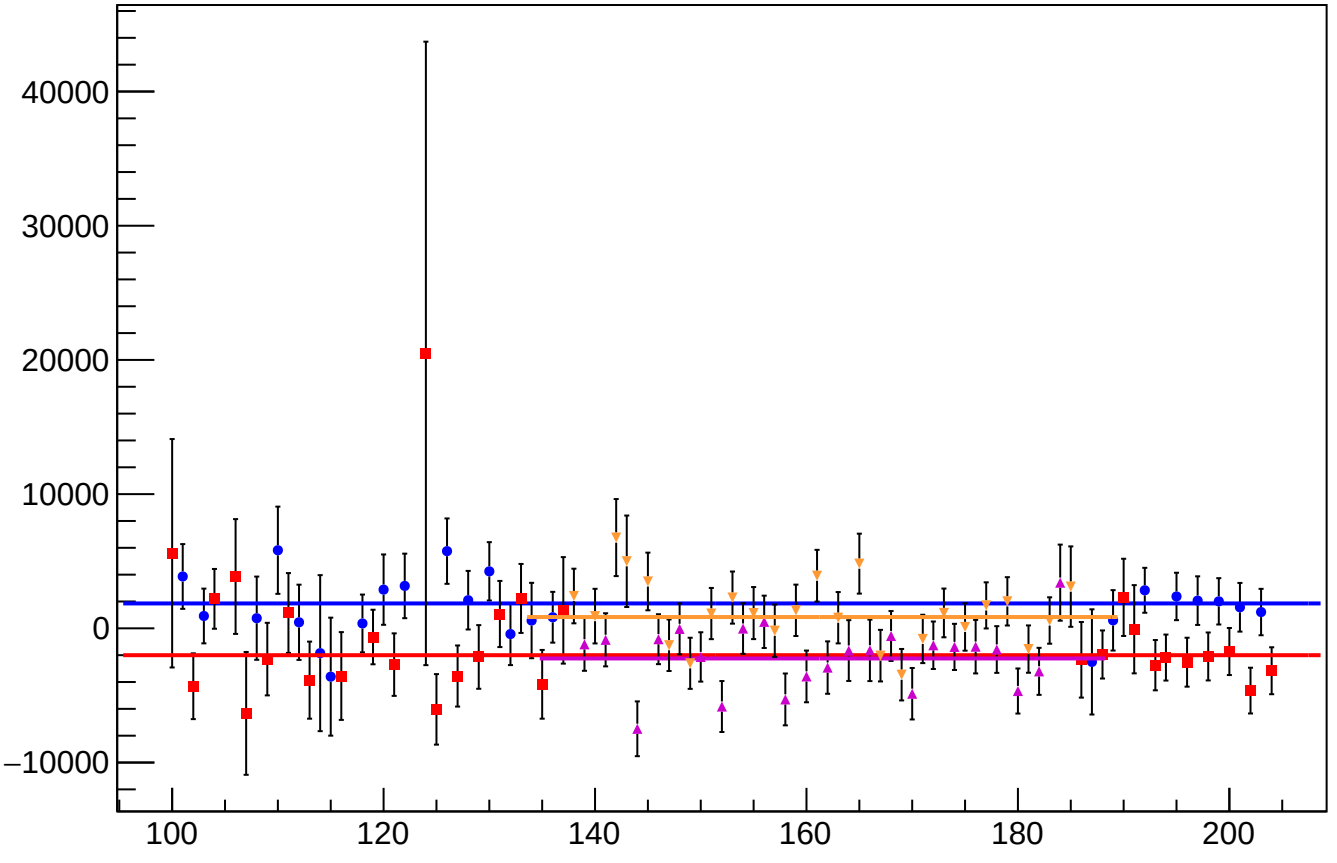
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1400.265+/-0.274 χ^2/NDF: 38467820.7/48

All: 1388.922+/-0.195 χ^2/NDF: 80230250.9/1

- sign 1377.240+/-0.278 χ^2/NDF: 41758961.3/52

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1855.392+/-458.570 χ^2/NDF: 13.1/23

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -2001.429+/-433.884 χ^2/NDF: 25.5/29

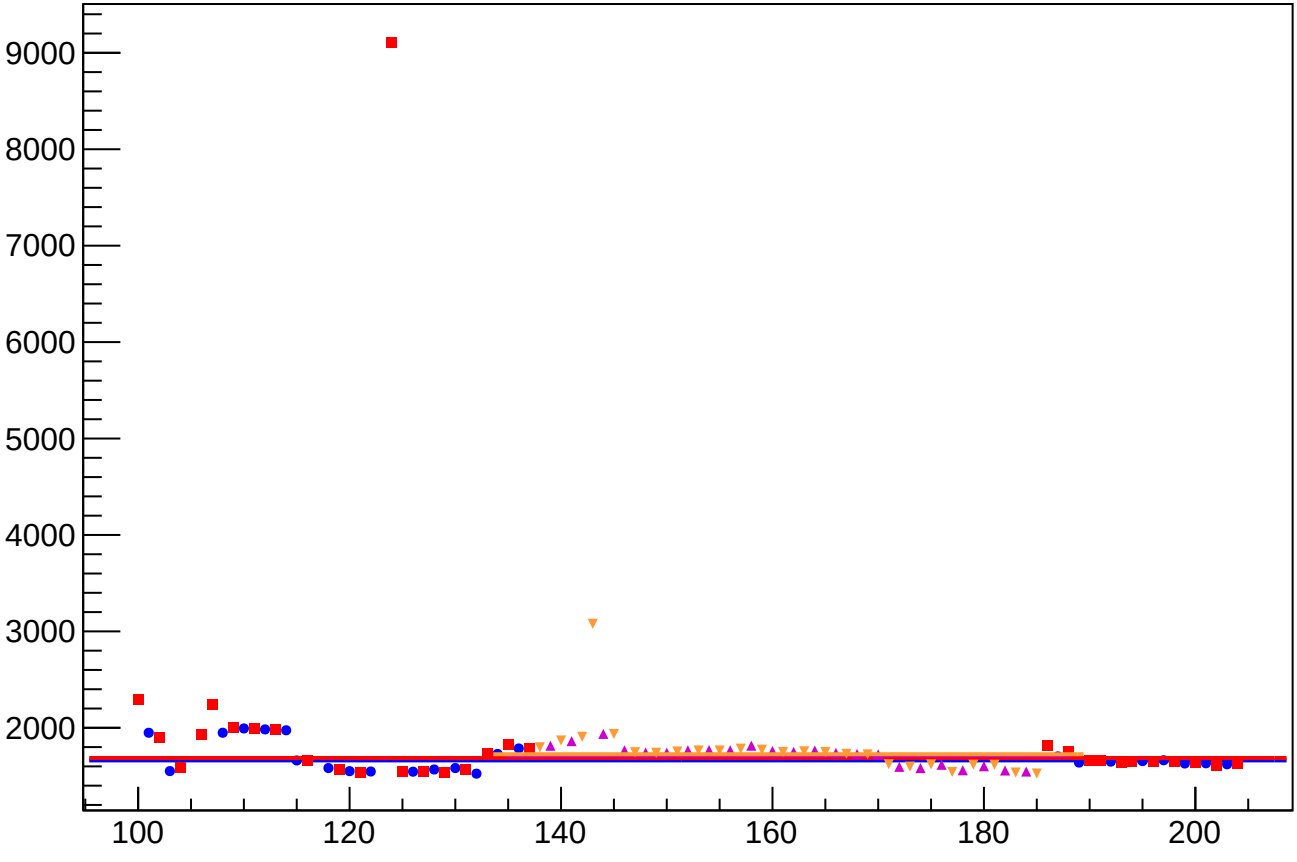
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1272.692+/-299.038 χ^2/NDF: 46.3/48

All: -456.766+/-209.790 χ^2/NDF: 167.2/101

- sign -2132.900+/-294.392 χ^2/NDF: 55.1/52

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1662.118+/-0.324 χ^2/NDF: 145761.7/23

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

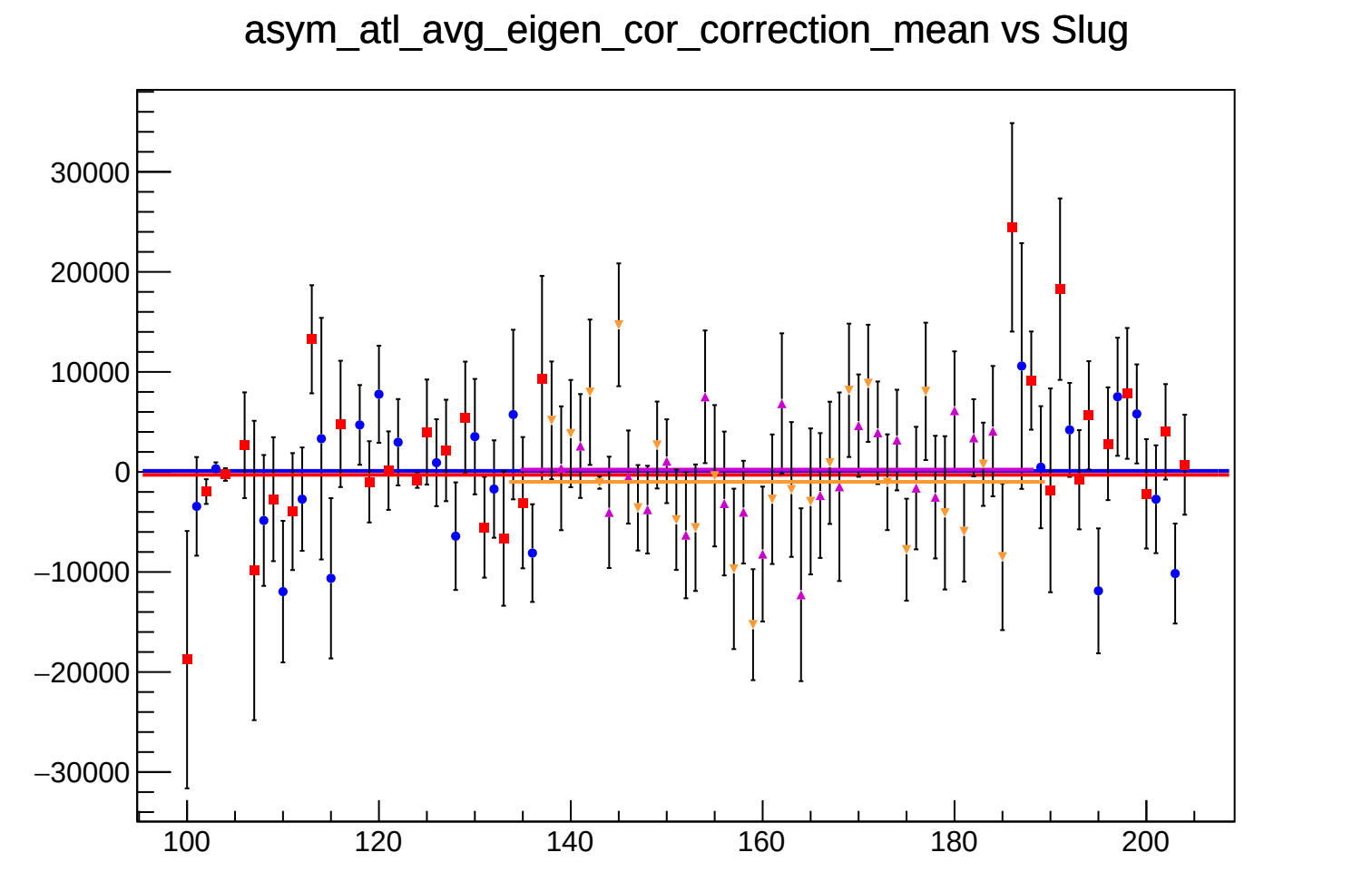
Right Out: 1687.038+/-0.306 χ^2/NDF: 408423.3/29

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1698.868+/-0.211 χ^2/NDF: 623041.0/48

All: 1700.006+/-0.148 χ^2/NDF: 1164730.8/10

- sign 1701.107+/-0.208 χ^2/NDF: 541632.8/52



Right In: 110.958+/-556.620 χ^2/NDF: 28.4/23

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -289.506+/-418.408 χ^2/NDF: 35.2/29

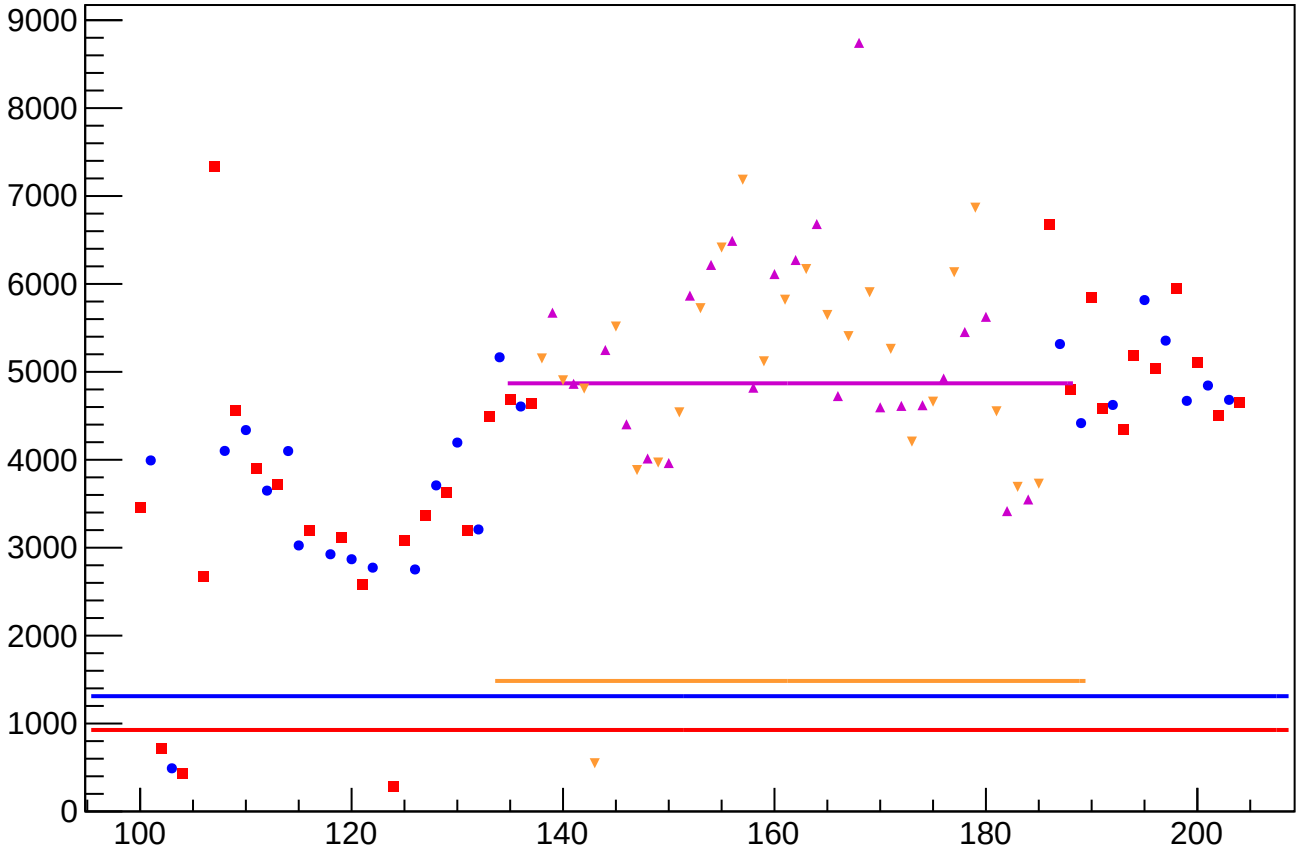
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -453.557+/-388.035 χ^2/NDF: 61.2/48

All: -342.966+/-276.392 χ^2/NDF: 110.3/101

- sign -229.074+/-393.783 χ^2/NDF: 48.9/52

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1311.187+/-0.394 χ^2/NDF: 15142601.9/23

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 926.791+/-0.296 χ^2/NDF: 19994218.9/29

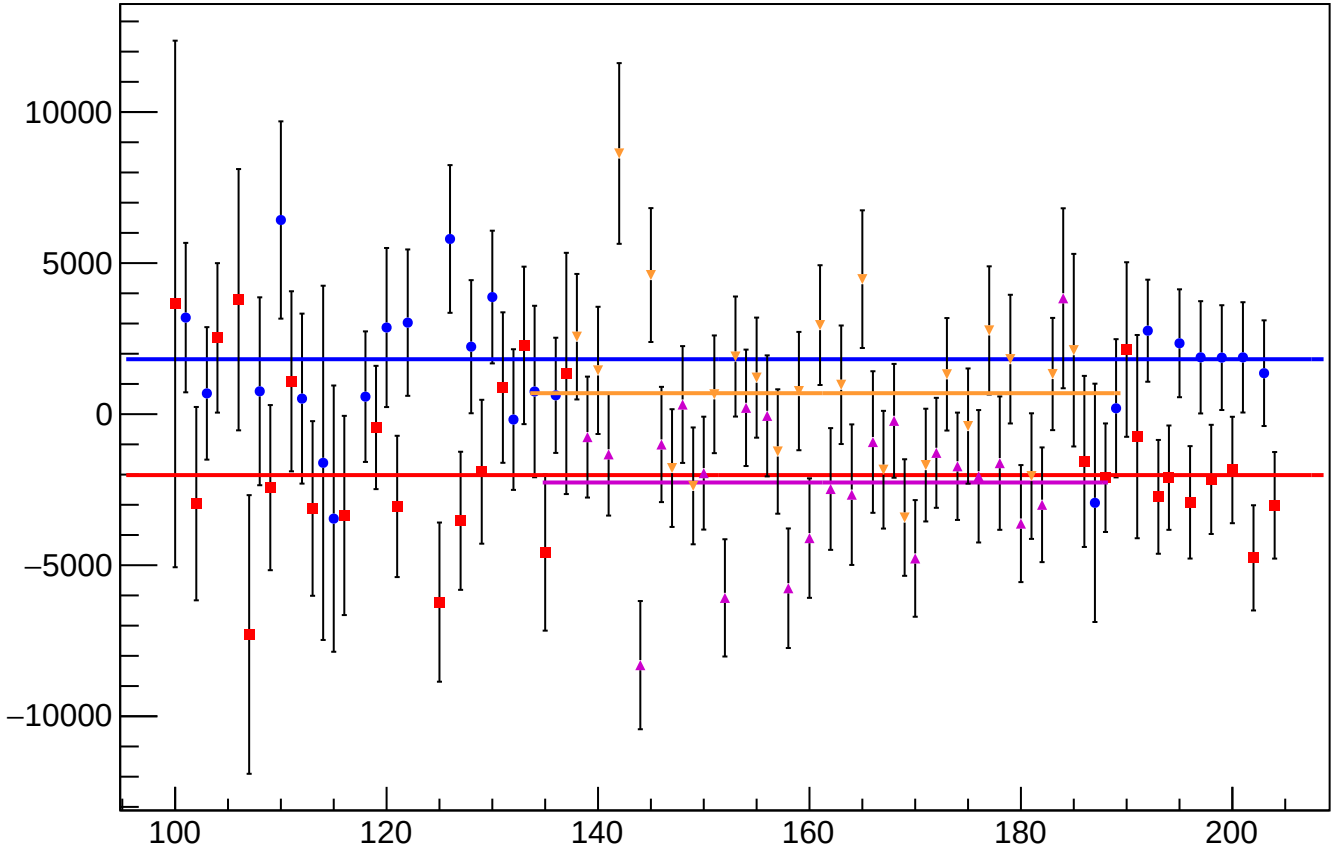
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1400.265+/-0.274 χ^2/NDF: 38467820.7/48

All: 1388.922+/-0.195 χ^2/NDF: 80230250.9/1

- sign 1377.240+/-0.278 χ^2/NDF: 41758961.3/52

dit_asym_atl_avg_mean vs Slug



Right In: 1818.607+/-464.368 χ^2/NDF: 12.7/23

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -2016.914+/-442.067 χ^2/NDF: 23.4/28

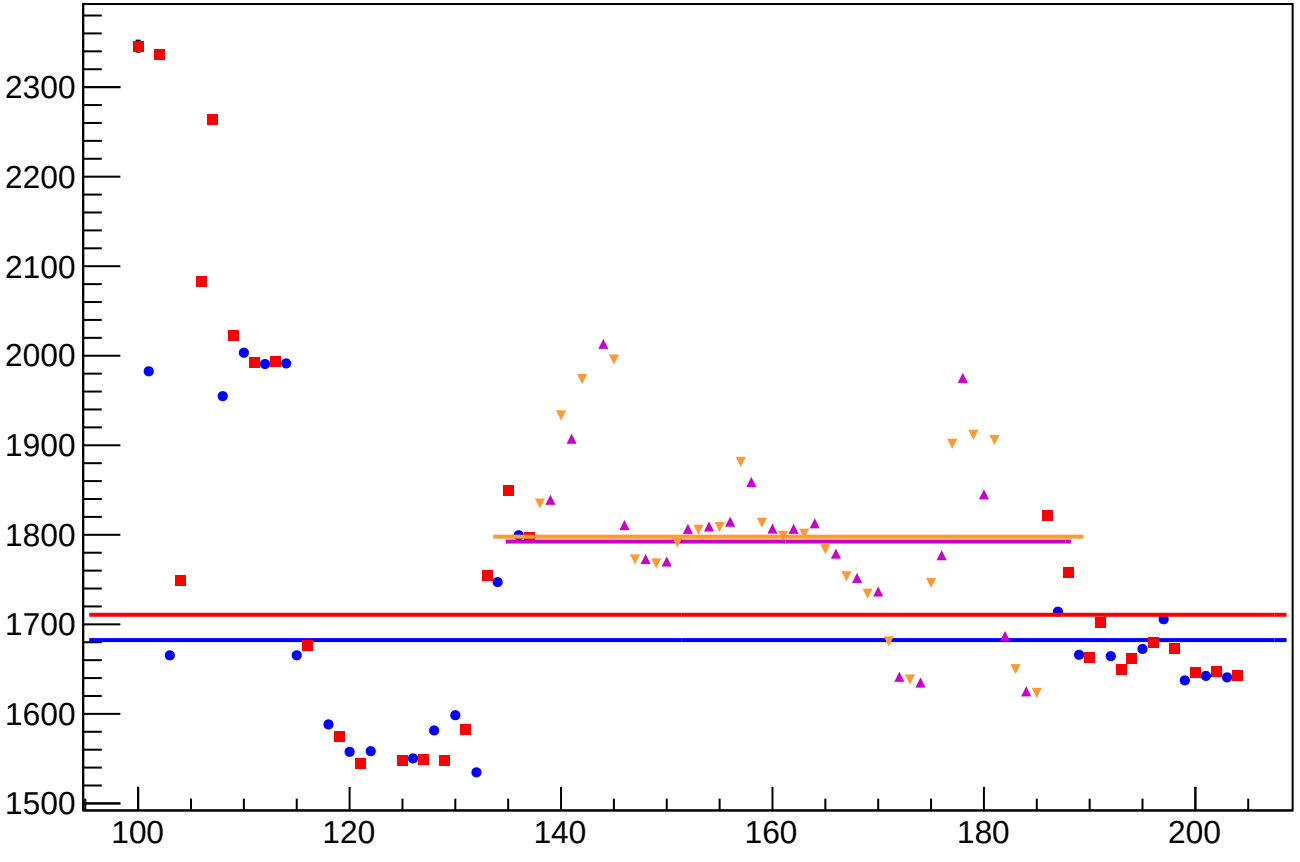
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1197.611+/-310.695 χ^2/NDF: 48.1/47

All: -509.575+/-217.352 χ^2/NDF: 161.2/99

- sign -2145.844+/-304.173 χ^2/NDF: 54.0/51

dit_asym_atl_avg_rms vs Slug



Right In: 1682.412+/-0.328 χ^2/NDF: 141280.0/23

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1710.702+/-0.312 χ^2/NDF: 274361.0/28

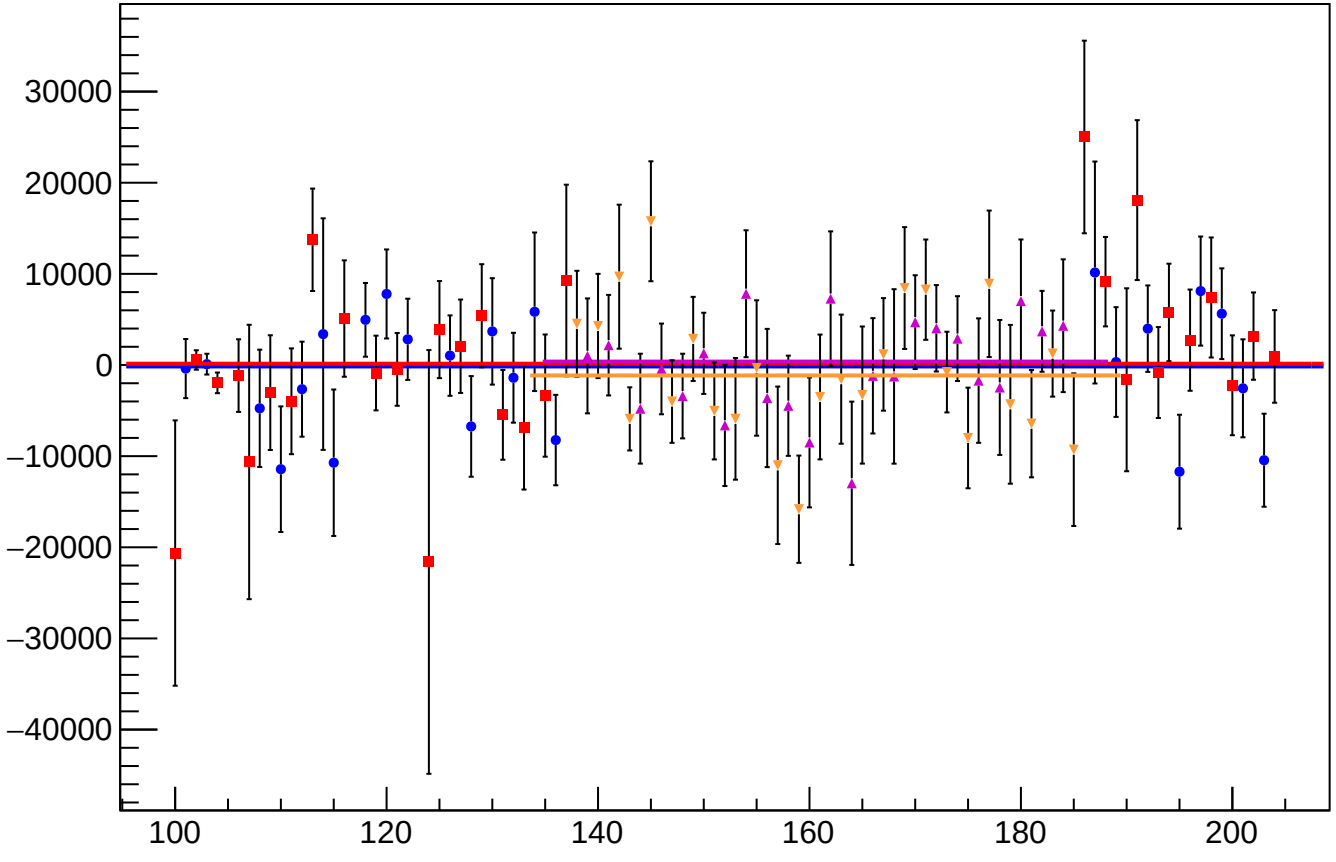
Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1746.207+/-0.220 χ^2/NDF: 307619.3/47

All: 1750.038+/-0.154 χ^2/NDF: 711502.3/99

- sign 1753.706+/-0.215 χ^2/NDF: 403287.7/51

asym_atl_avg_dit_correction_mean vs Slug



Right In: -157.569+/-797.084 χ^2/NDF: 27.5/23

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 142.875+/-634.012 χ^2/NDF: 35.6/29

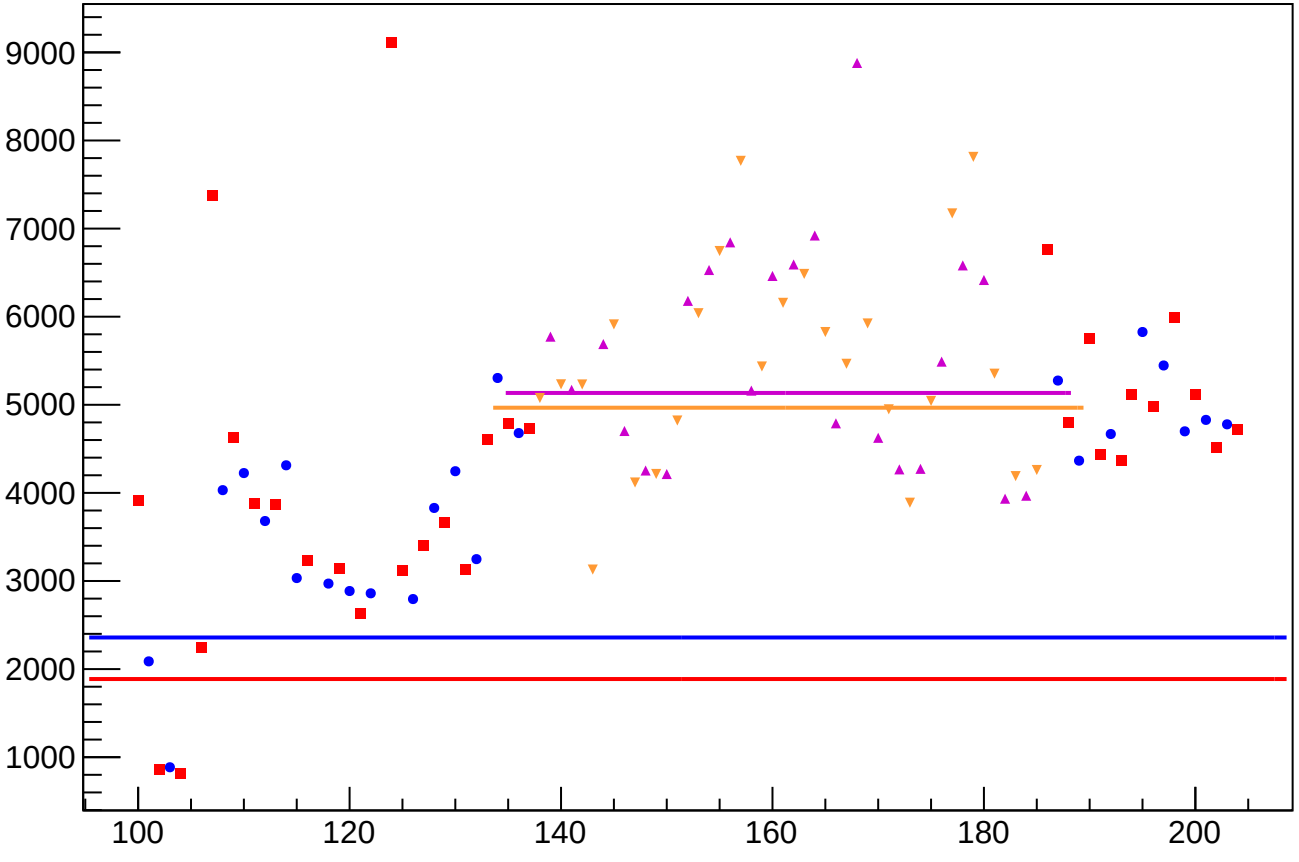
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

\+ sign -472.428+/-657.747 χ^2/NDF: 60.6/48

All: -89.389+/-427.900 χ^2/NDF: 110.0/101

\- sign 191.669+/-563.426 χ^2/NDF: 48.9/52

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2358.743+/-0.564 χ^2/NDF: 8286481.3/23

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1887.193+/-0.448 χ^2/NDF: 12981133.3/29

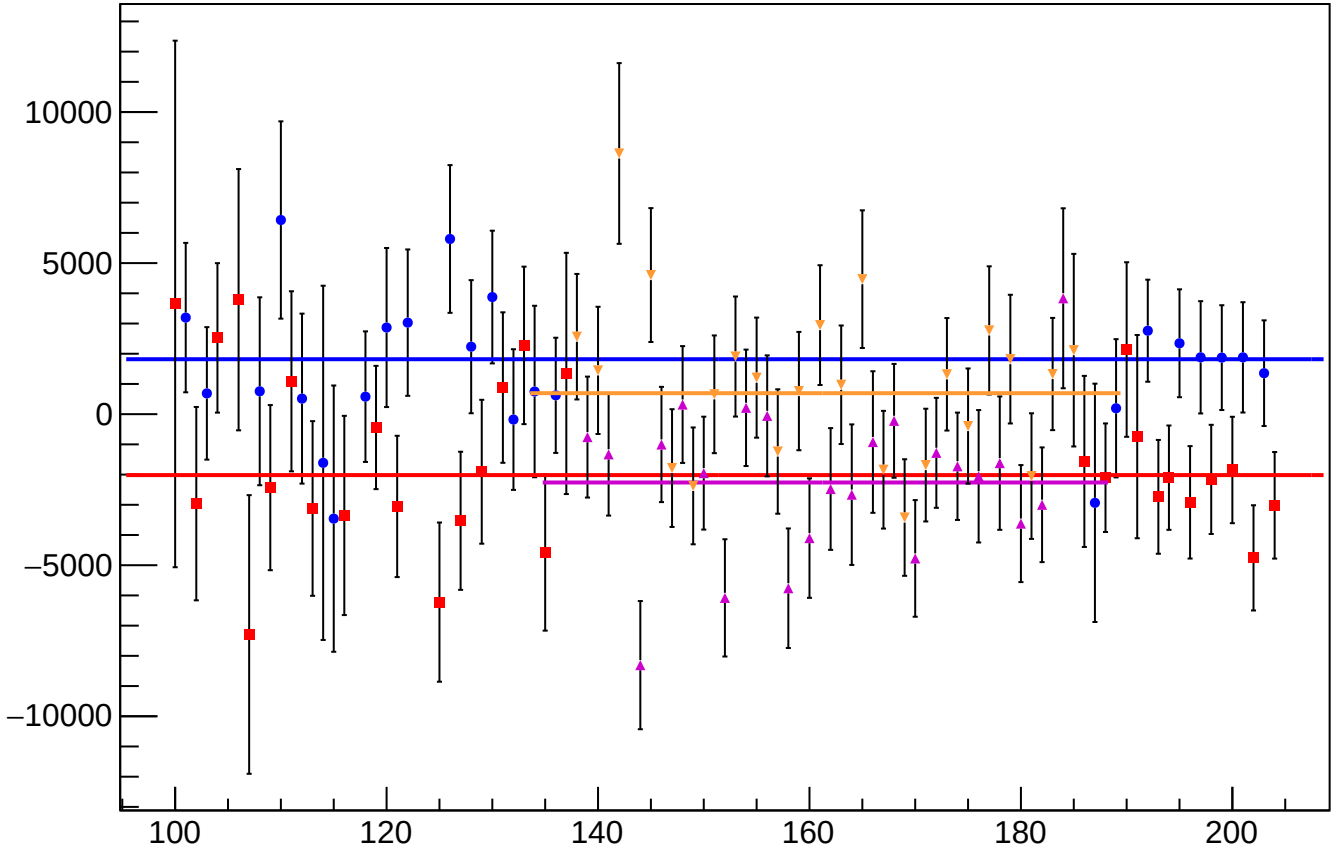
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3190.891+/-0.465 χ^2/NDF: 17036492.9/48

All: 2832.773+/-0.303 χ^2/NDF: 43564448.1/1

- sign 2570.000+/-0.398 χ^2/NDF: 25500050.8/52

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1818.601+/-464.368 χ^2/NDF: 12.7/23

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -2016.912+/-442.067 χ^2/NDF: 23.4/28

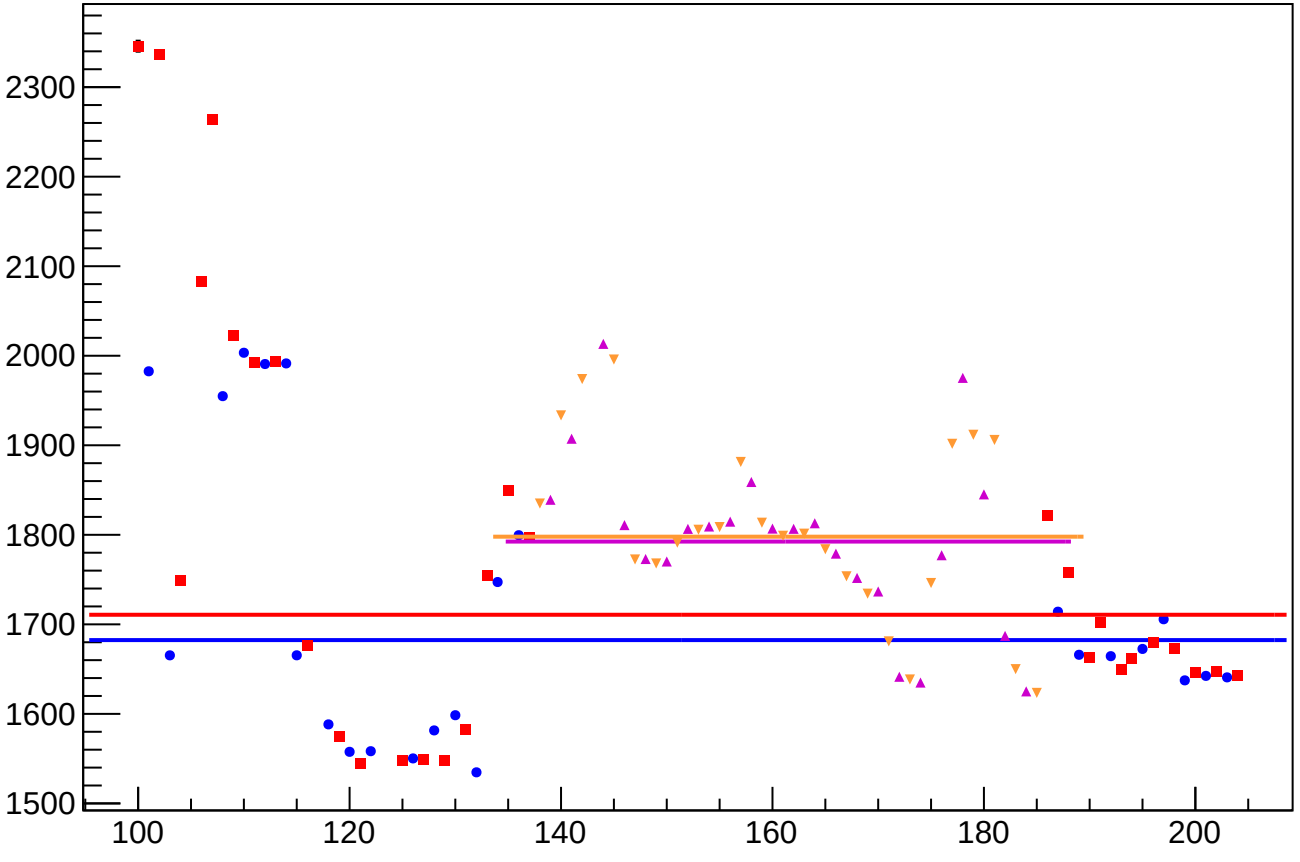
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1197.607+/-310.695 χ^2/NDF: 48.1/47

All: -509.577+/-217.352 χ^2/NDF: 161.2/99

- sign -2145.843+/-304.173 χ^2/NDF: 54.0/51

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1682.412+/-0.328 χ^2/NDF: 141280.2/23

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

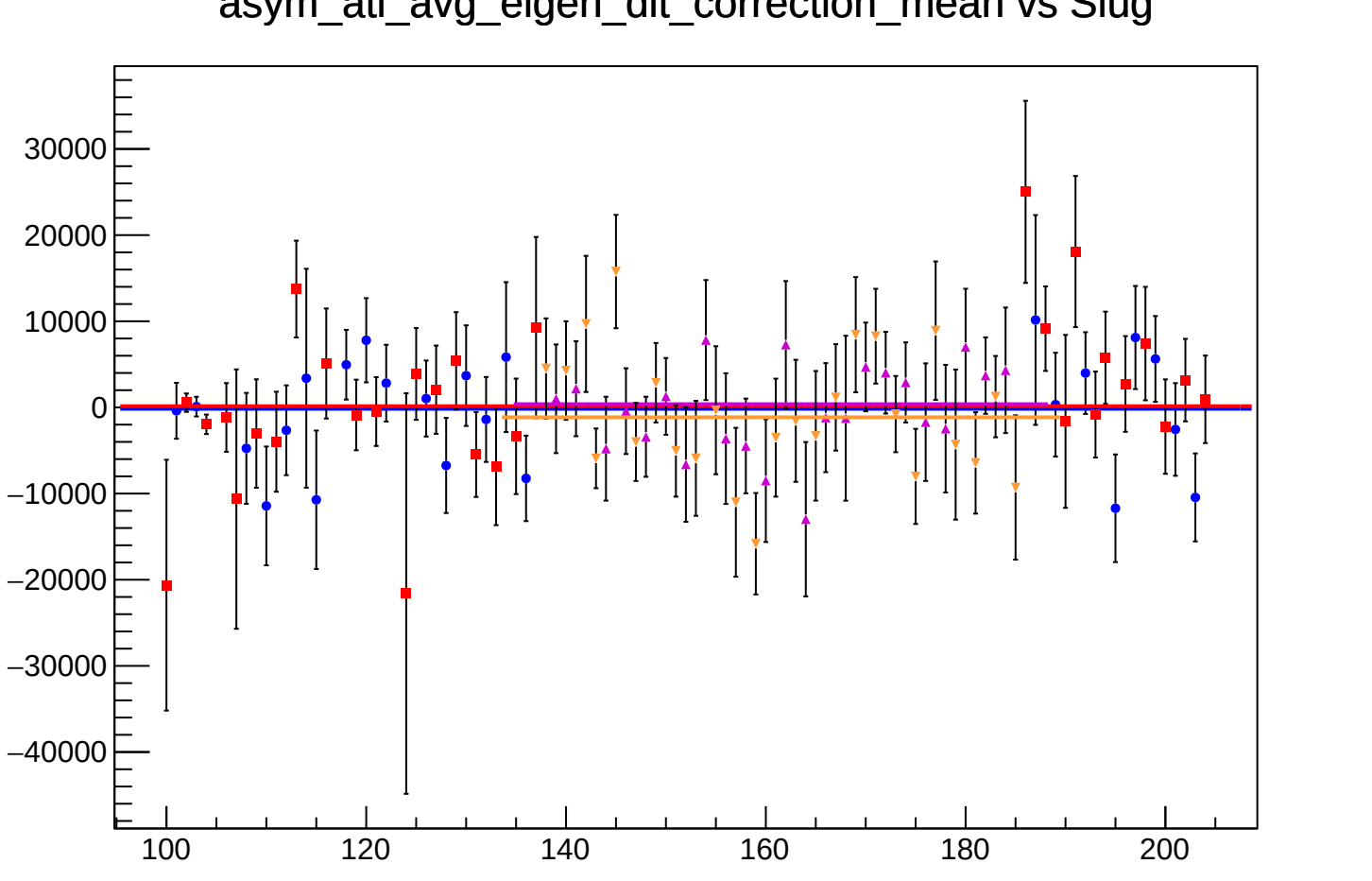
Right Out: 1710.702+/-0.312 χ^2/NDF: 274360.2/28

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1746.207+/-0.220 χ^2/NDF: 307624.5/47

All: 1750.038+/-0.154 χ^2/NDF: 711511.0/99

- sign 1753.706+/-0.215 χ^2/NDF: 403291.4/51



Right In: -157.564+/-797.080 χ^2/NDF: 27.5/23

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 142.868+/-634.008 χ^2/NDF: 35.6/29

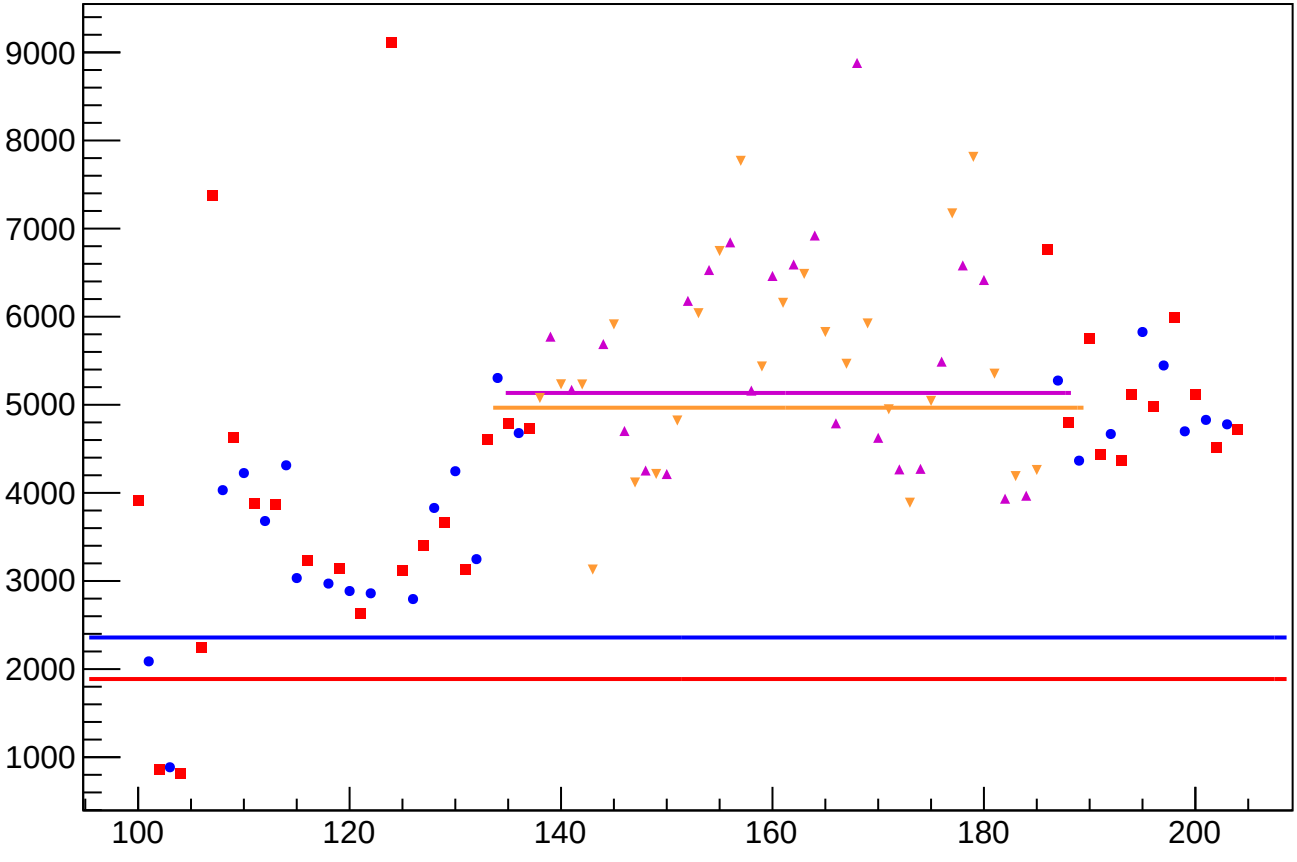
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

+ sign -472.423+/-657.745 χ^2/NDF: 60.6/48

All: -89.390+/-427.898 χ^2/NDF: 110.0/101

- sign 191.664+/-563.423 χ^2/NDF: 48.9/52

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2358.723+/-0.564 χ^2/NDF: 8286575.4/23

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1887.176+/-0.448 χ^2/NDF: 12981243.2/29

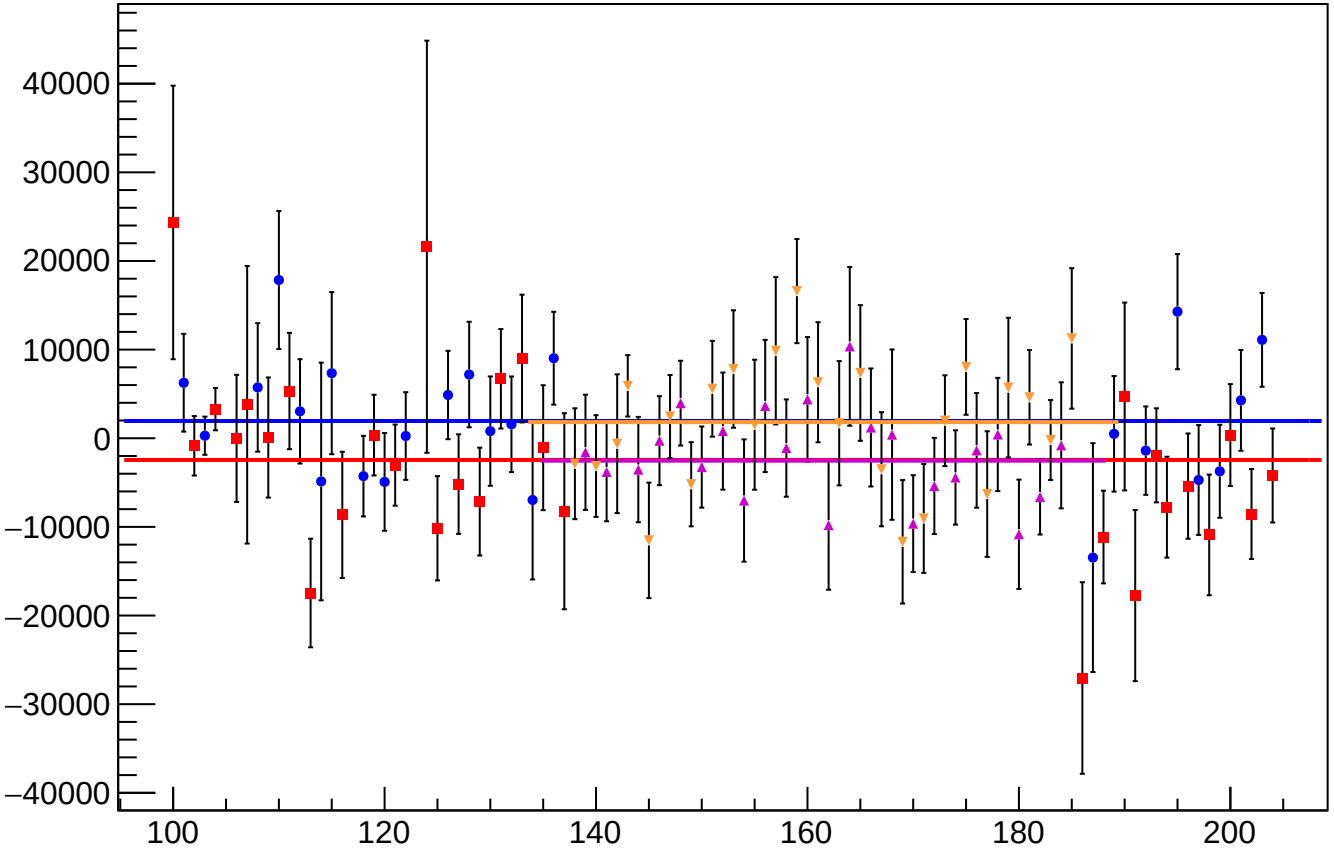
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3190.872+/-0.465 χ^2/NDF: 17036740.6/48

All: 2832.753+/-0.303 χ^2/NDF: 43565001.8/1

- sign 2569.979+/-0.398 χ^2/NDF: 25500341.0/52

asym_atl_avg_mean vs Slug



Right In: 1946.010+/-1082.708 χ^2/NDF: 24.8/23

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -2447.506+/-1034.366 χ^2/NDF: 42.5/29

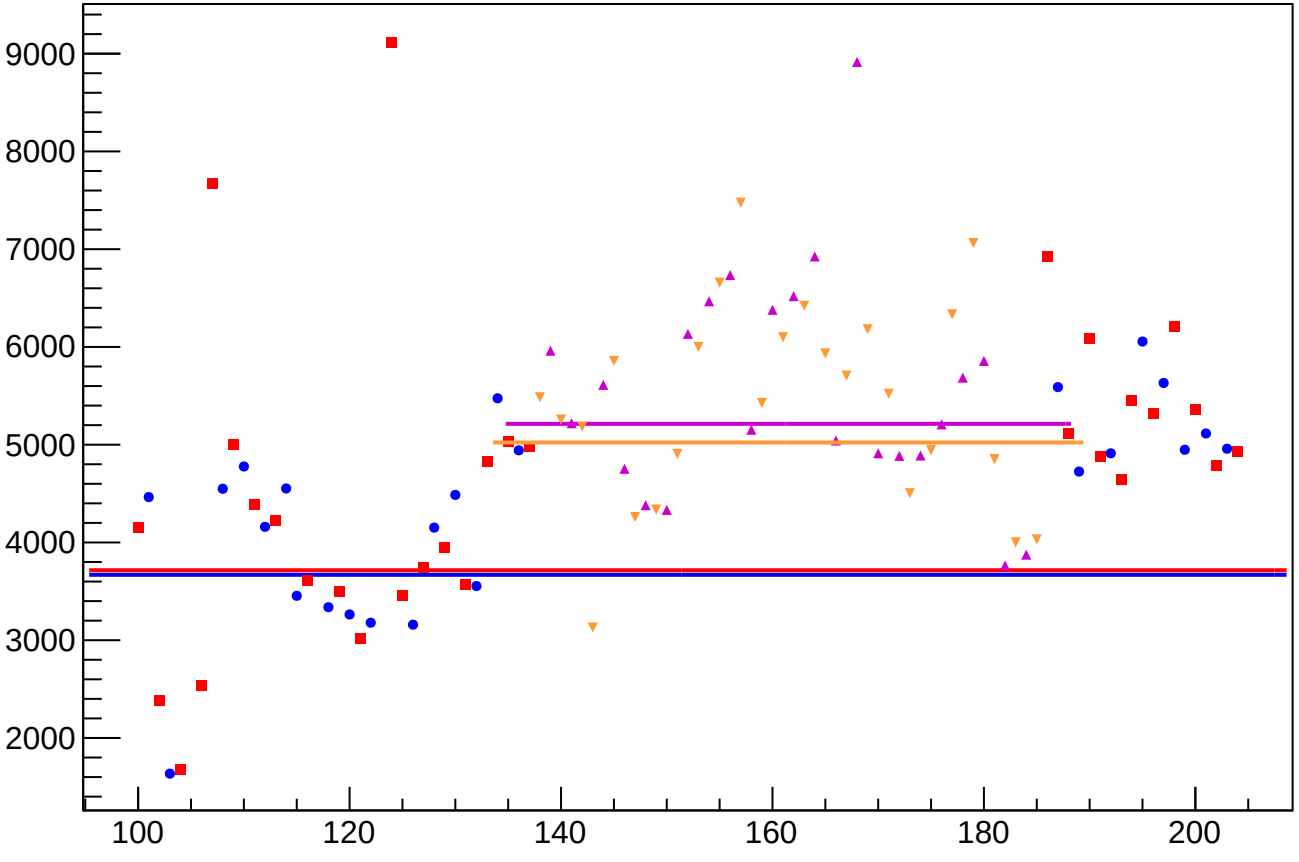
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1890.867+/-795.435 χ^2/NDF: 55.9/48

All: -296.768+/-562.244 χ^2/NDF: 126.7/101

- sign -2481.085+/-794.832 χ^2/NDF: 55.7/52

asym_atl_avg_rms vs Slug



Right In: 3669.127+/-0.766 χ^2/NDF: 3288792.8/23

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3715.832+/-0.723 χ^2/NDF: 3911127.6/29

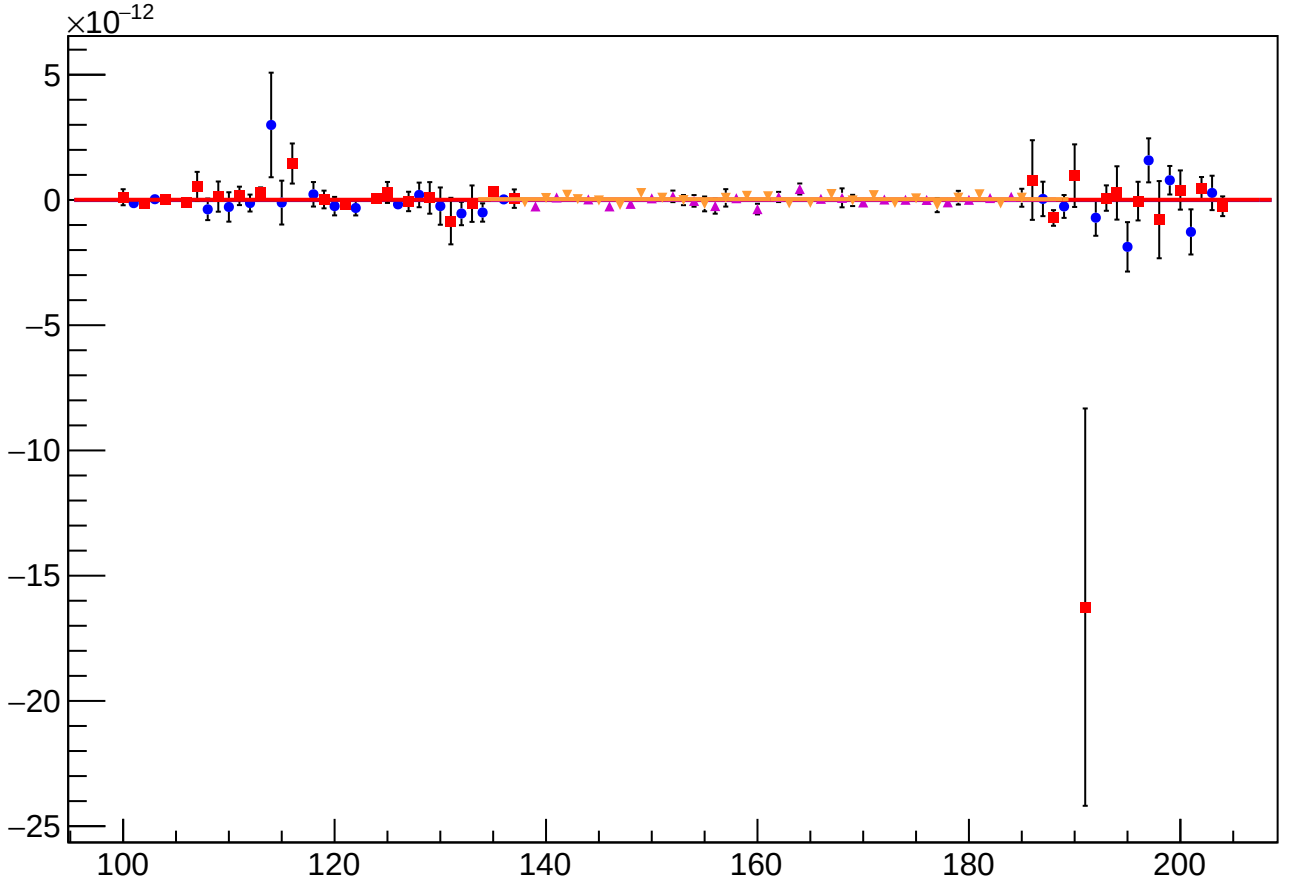
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4291.983+/-0.562 χ^2/NDF: 6403485.3/48

All: 4306.746+/-0.396 χ^2/NDF: 13271923.2/1

- sign 4321.296+/-0.558 χ^2/NDF: 6867070.0/52

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

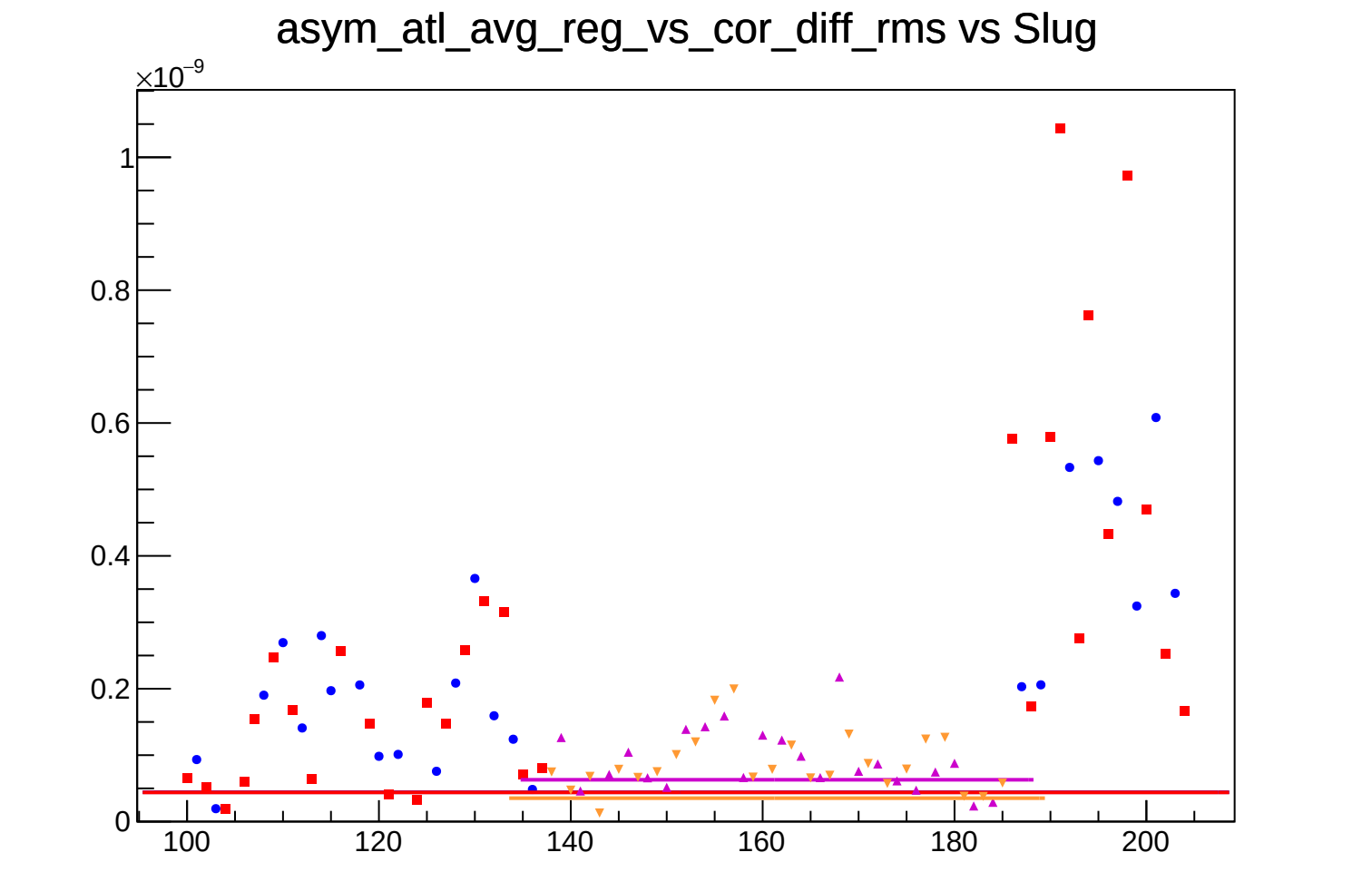
Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/29

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.7/48

All: 0.000+/-0.000 χ^2/NDF: 95.5/101

- sign 0.000+/-0.000 χ^2/NDF: 46.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 6887454.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7528098.3/29

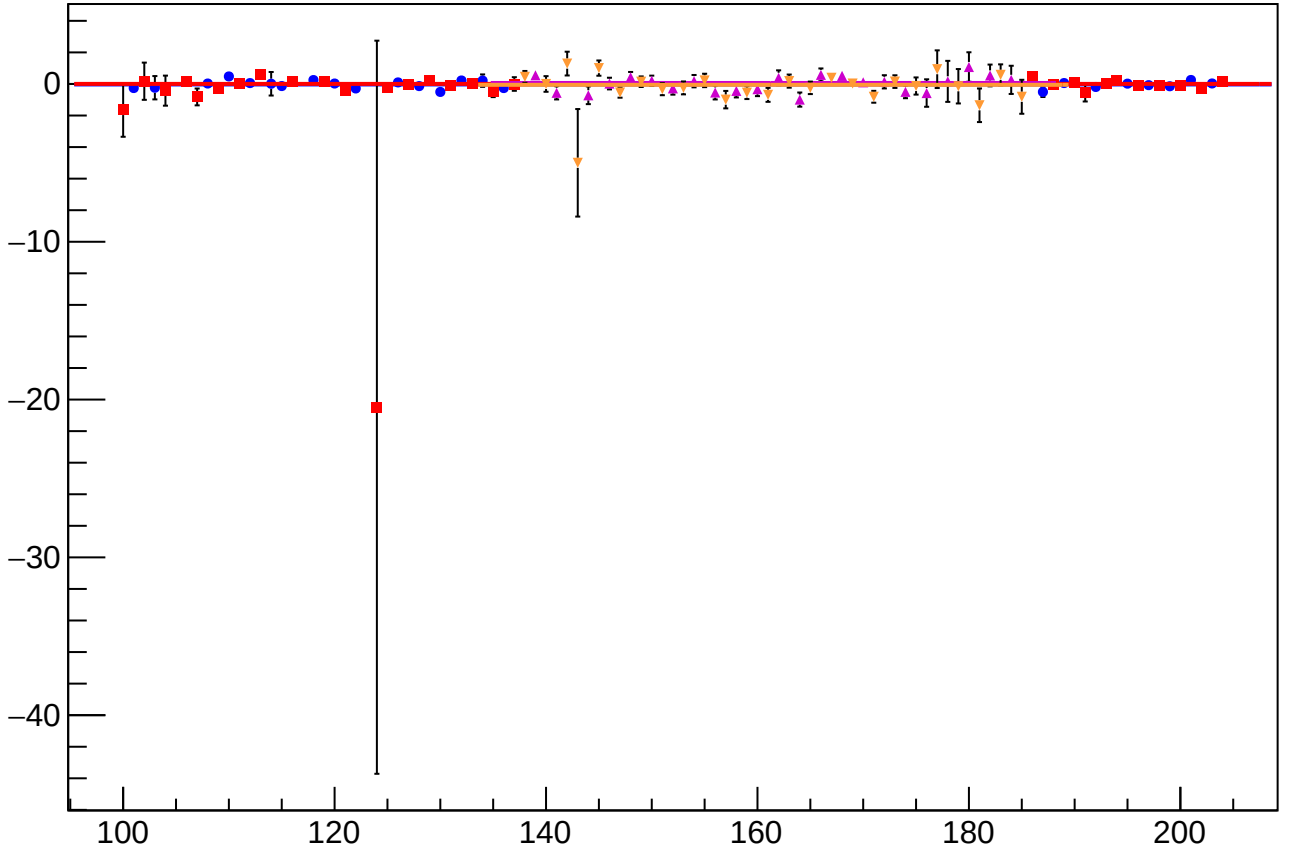
Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13507875.7/48

All: 0.000+/-0.000 χ^2/NDF: 25255581.1/101

- sign 0.000+/-0.000 χ^2/NDF: 10867437.6/52

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.030+/-0.045 χ^2/NDF: 23.2/23

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.004+/-0.039 χ^2/NDF: 31.8/29

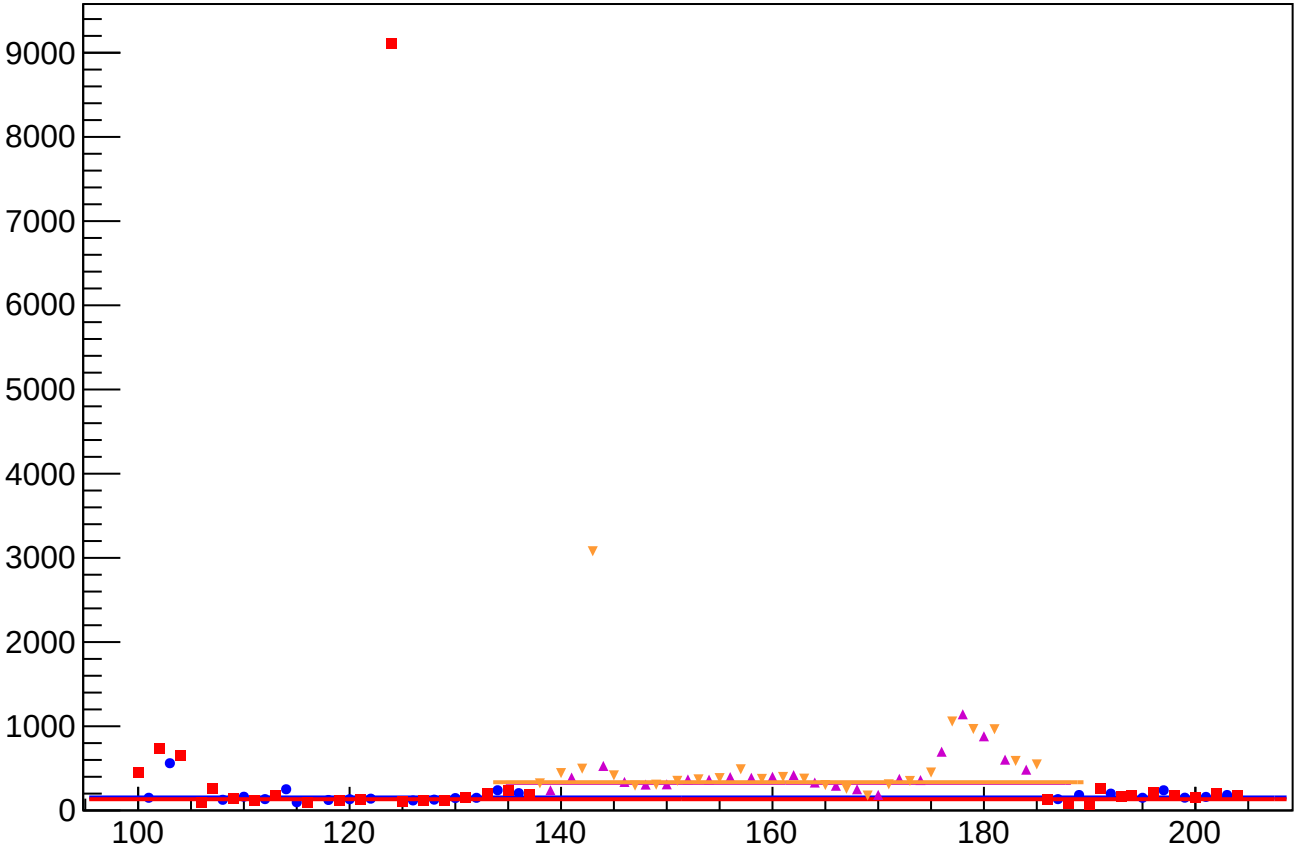
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.036+/-0.040 χ^2/NDF: 56.4/48

All: -0.007+/-0.026 χ^2/NDF: 117.5/101

- sign 0.015+/-0.035 χ^2/NDF: 60.2/52

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 154.262+/-0.032 χ^2/NDF: 1539051.3/23

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 133.537+/-0.027 χ^2/NDF: 3964067.3/29

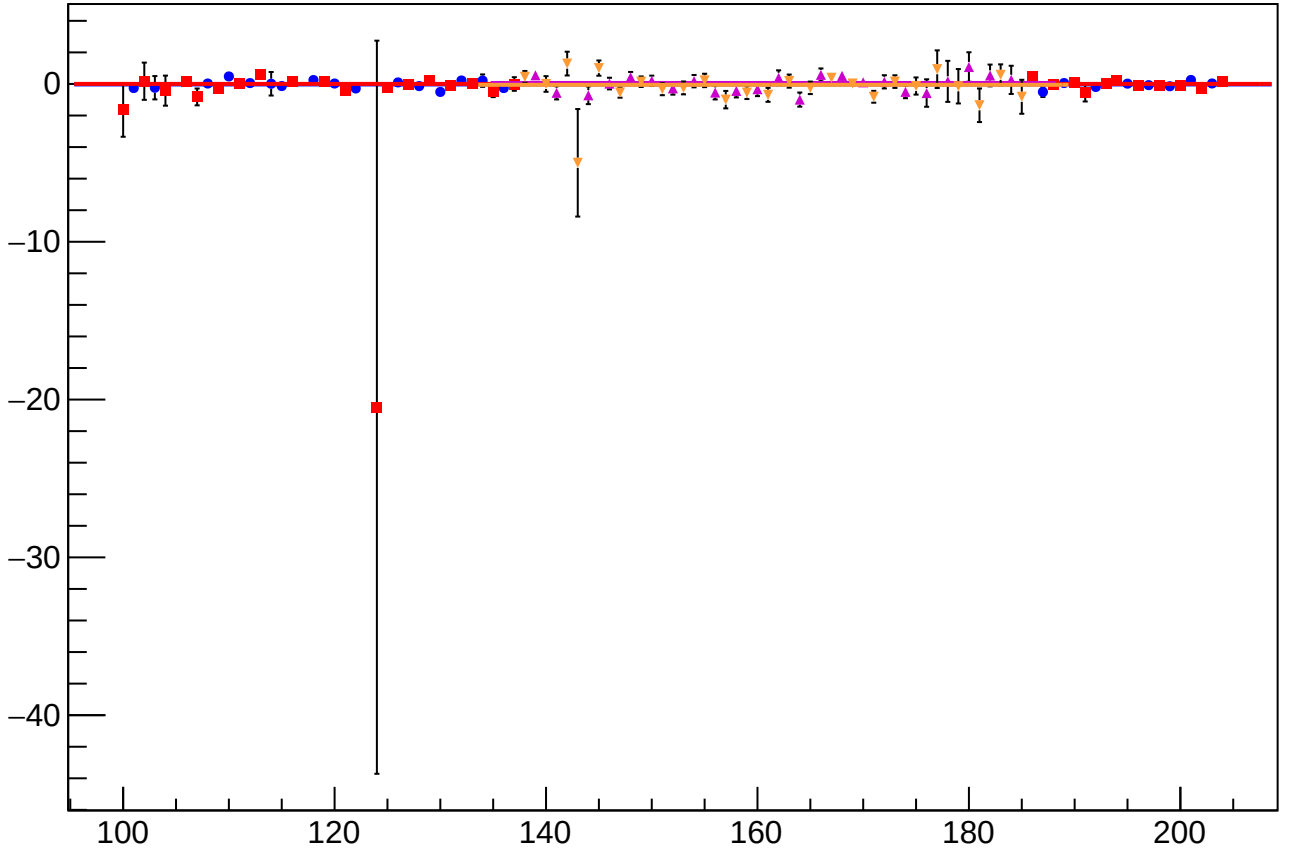
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 194.841+/-0.028 χ^2/NDF: 14483160.6/48

All: 179.892+/-0.019 χ^2/NDF: 32113413.1/10

- sign 168.431+/-0.025 χ^2/NDF: 17138512.4/52

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.030+/-0.045 χ^2/NDF: 23.2/23

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.004+/-0.039 χ^2/NDF: 31.8/29

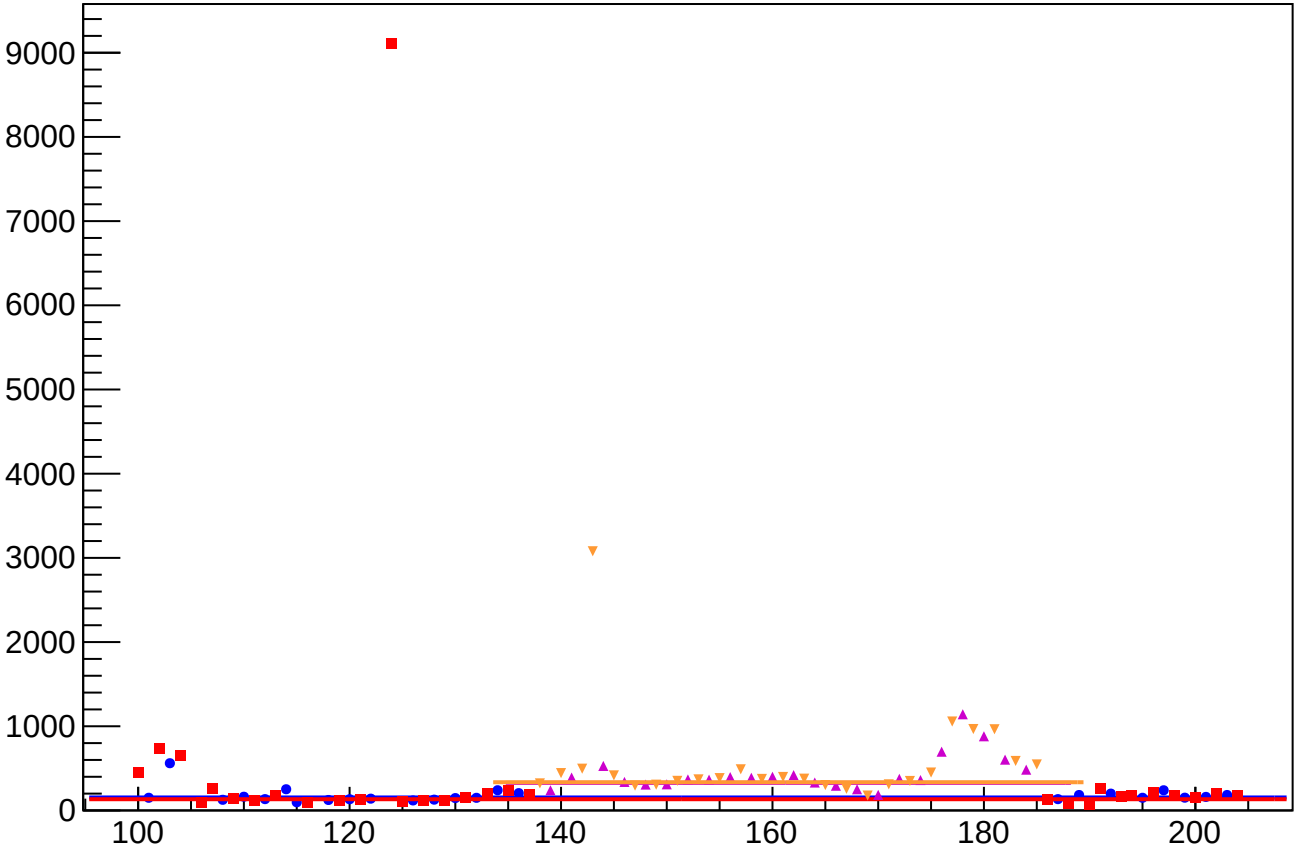
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.036+/-0.040 χ^2/NDF: 56.4/48

All: -0.007+/-0.026 χ^2/NDF: 117.5/101

- sign 0.015+/-0.035 χ^2/NDF: 60.2/52

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 154.262+/-0.032 χ^2/NDF: 1539051.3/23

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

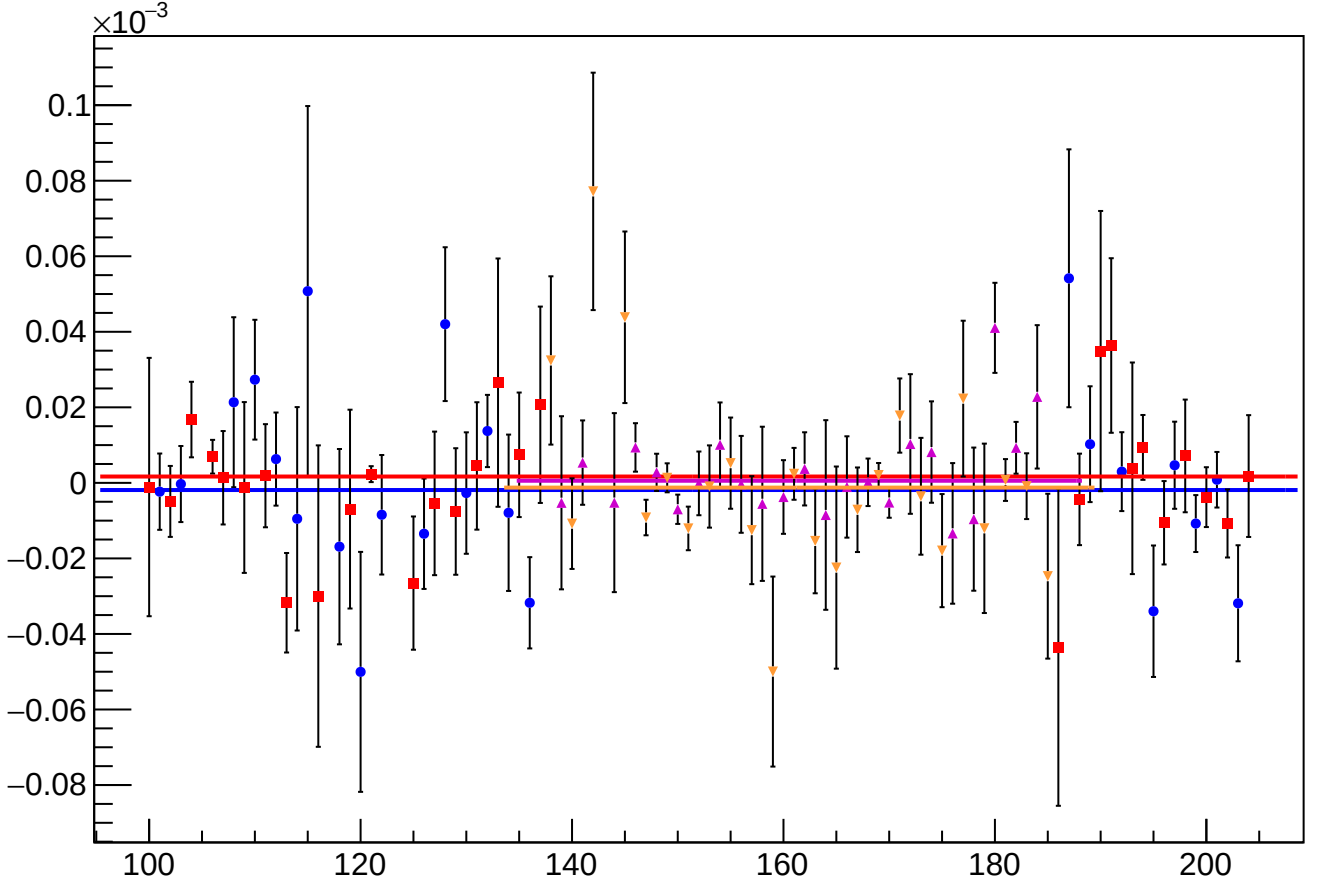
Right Out: 133.537+/-0.027 χ^2/NDF: 3964067.3/29

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 194.841+/-0.028 χ^2/NDF: 14483160.6/48

All: 179.892+/-0.019 χ^2/NDF: 32113413.1/10

- sign 168.431+/-0.025 χ^2/NDF: 17138512.4/52



Right In: -0.000+/-0.000 χ^2/NDF: 35.7/23

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

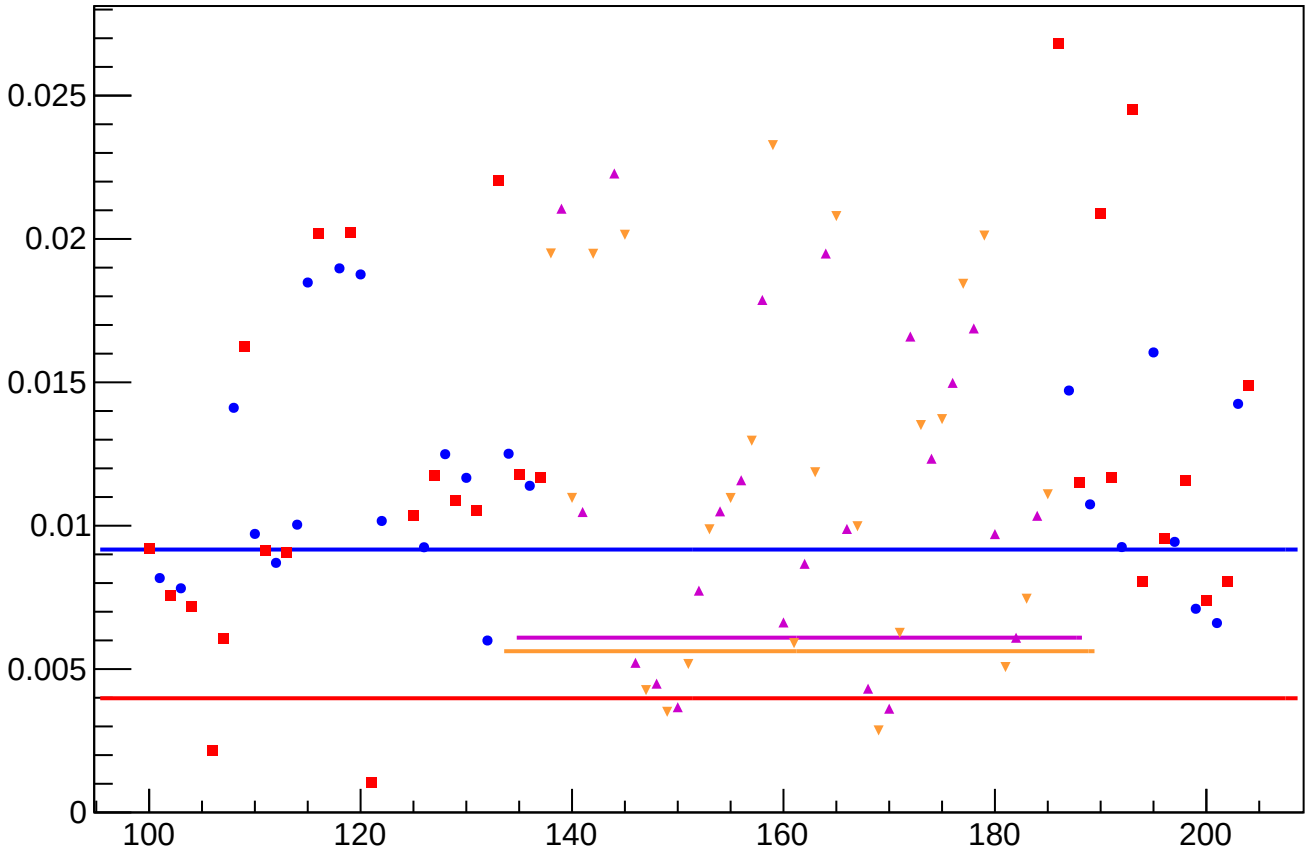
Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/28

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.4/47

All: 0.000+/-0.000 χ^2/NDF: 123.9/99

- sign 0.000+/-0.000 χ^2/NDF: 50.4/51



Right In: 0.009+/-0.000 χ^2/NDF: 2149326.4/23

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 15755985.3/28

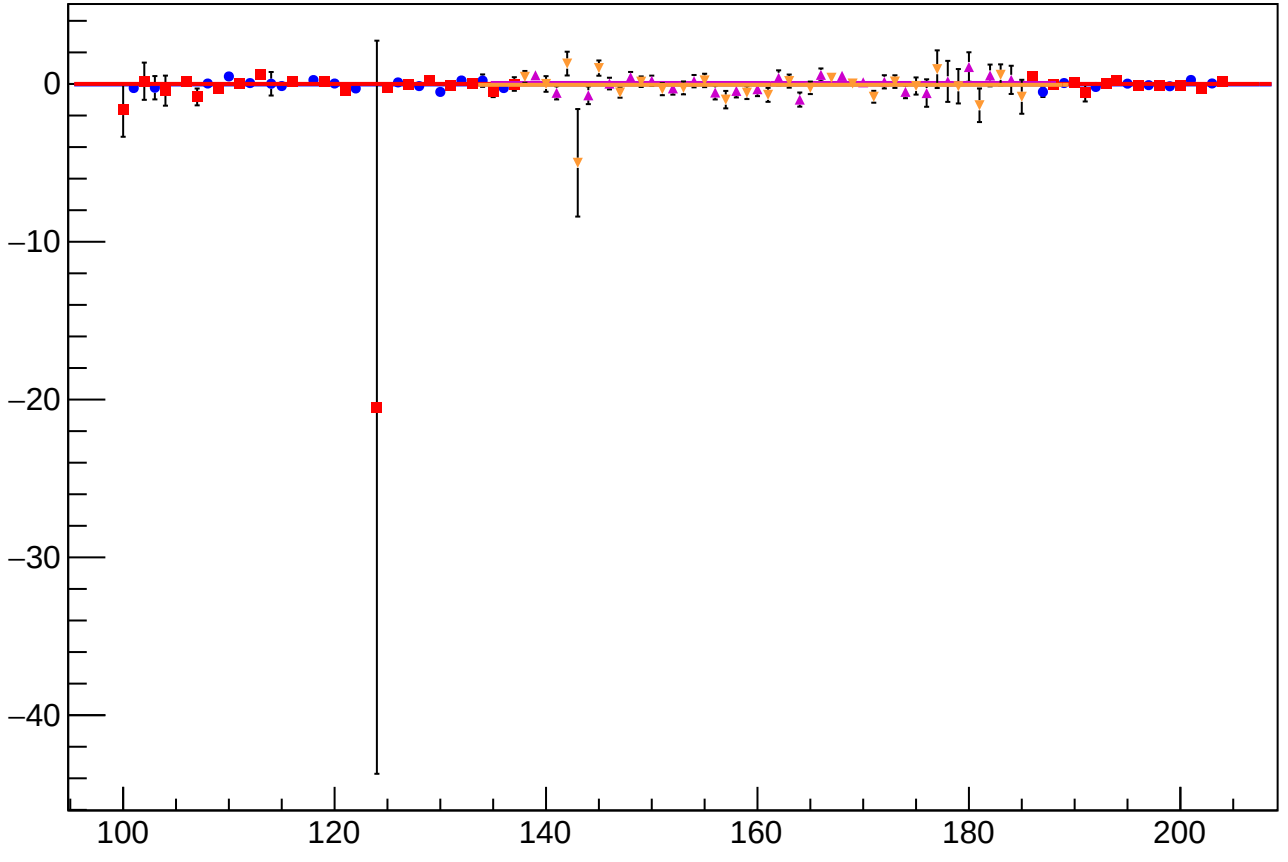
Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 15864751.0/47

All: 0.006+/-0.000 χ^2/NDF: 43668755.4/99

- sign 0.005+/-0.000 χ^2/NDF: 26195828.0/51

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.030+/-0.045 χ^2/NDF: 23.2/23

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.004+/-0.039 χ^2/NDF: 31.8/29

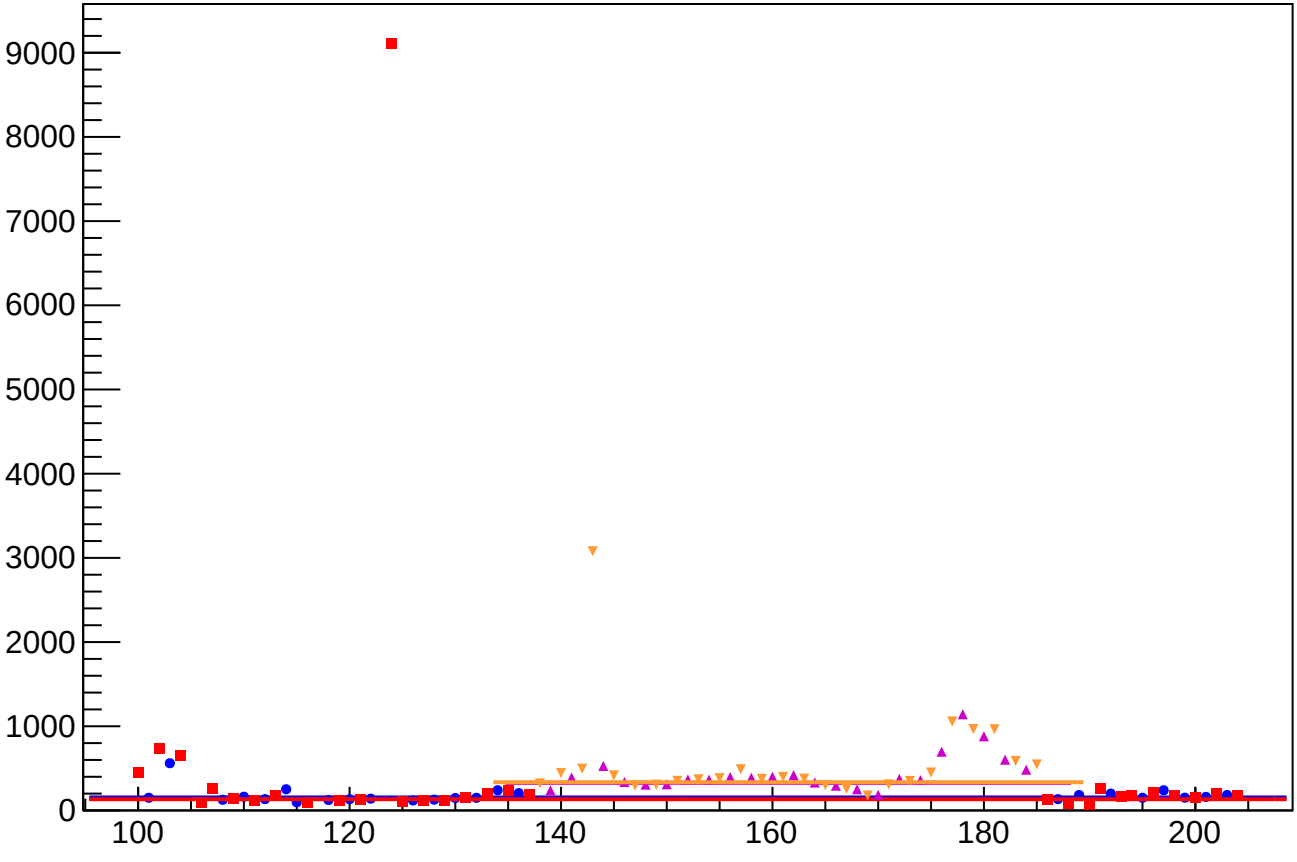
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.036+/-0.040 χ^2/NDF: 56.4/48

All: -0.007+/-0.026 χ^2/NDF: 117.5/101

- sign 0.015+/-0.035 χ^2/NDF: 60.2/52

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 154.261+/-0.032 χ^2/NDF: 1539097.0/23

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

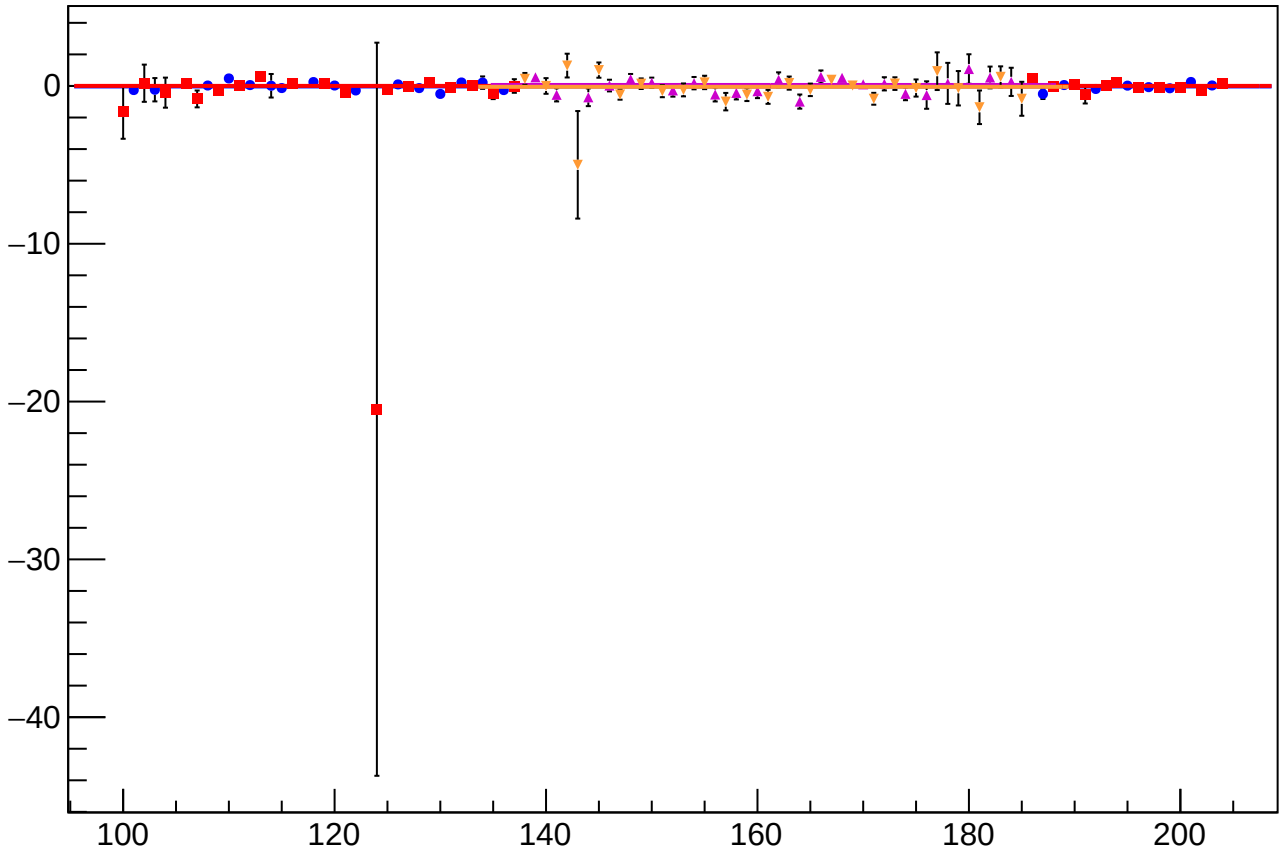
Right Out: 133.535+/-0.027 χ^2/NDF: 3964153.6/29

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 194.841+/-0.028 χ^2/NDF: 14483423.6/48

All: 179.890+/-0.019 χ^2/NDF: 32114133.9/10

- sign 168.429+/-0.025 χ^2/NDF: 17138923.8/52



Right In: -0.030+/-0.045 χ^2/NDF: 23.2/23

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

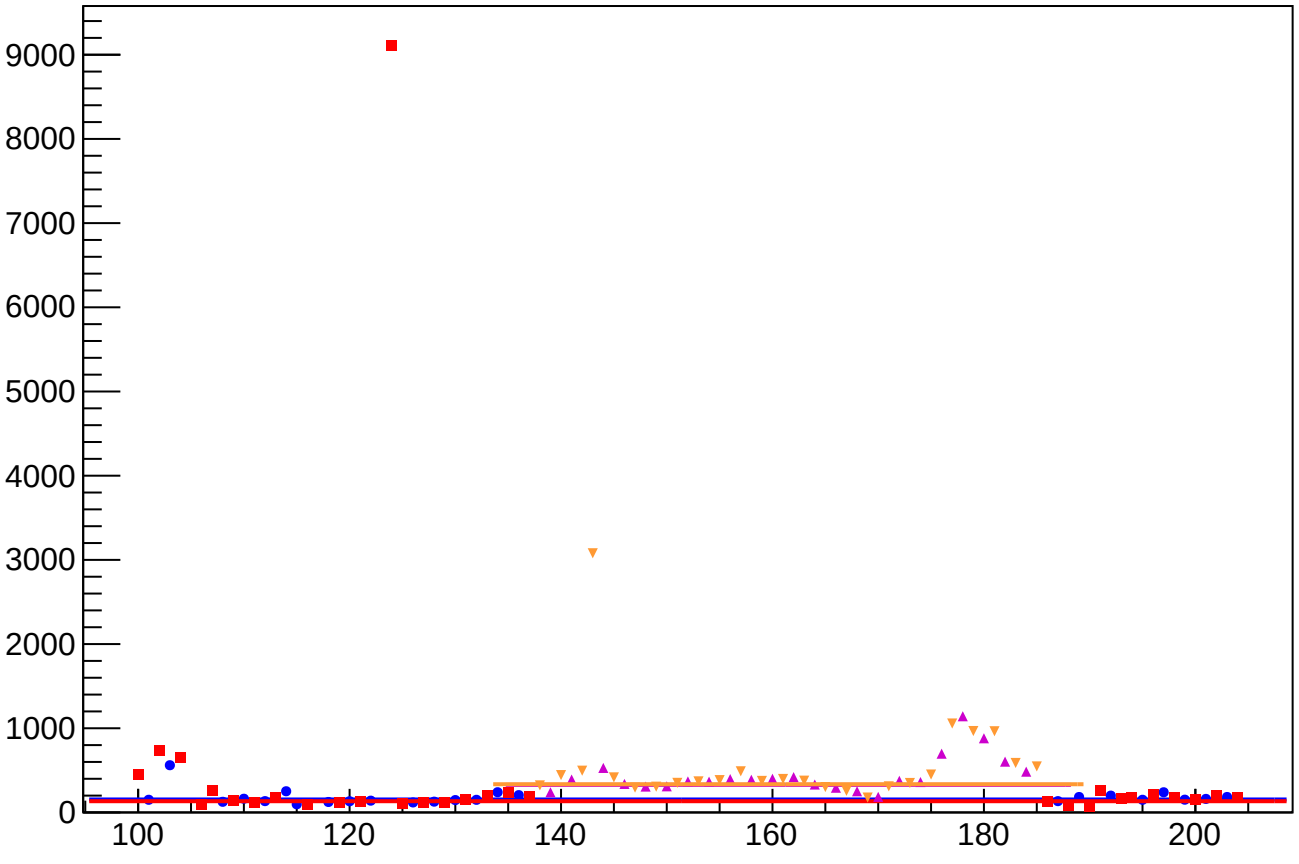
Right Out: 0.004+/-0.039 χ^2/NDF: 31.8/29

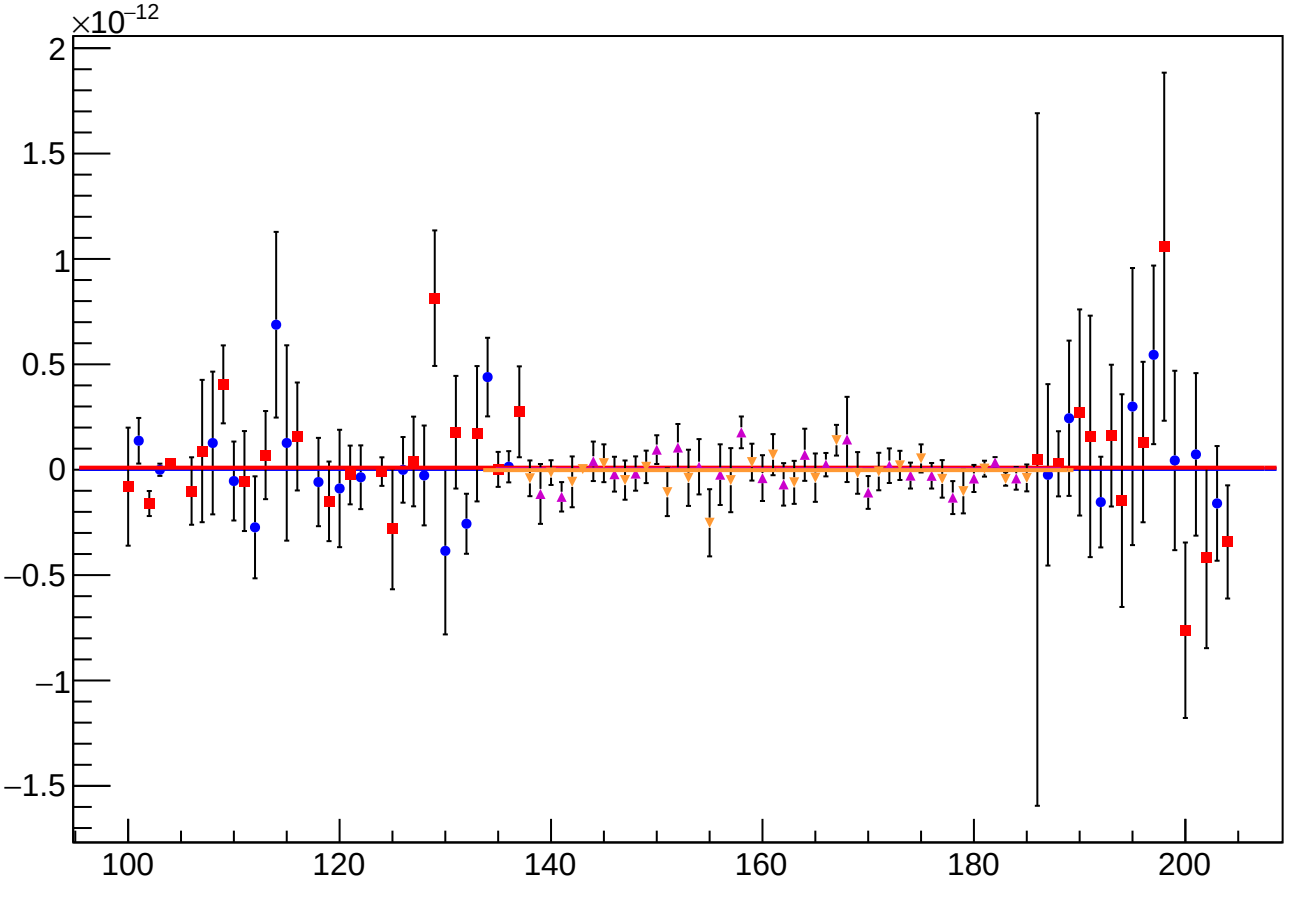
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.036+/-0.040 χ^2/NDF: 56.4/48

All: -0.007+/-0.026 χ^2/NDF: 117.5/101

- sign 0.015+/-0.035 χ^2/NDF: 60.2/52


asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 154.261+/-0.032 χ²/NDF: 1539097.0/23
Left Out: 335.168+/-0.060 χ²/NDF:5852151.8/24
Right Out: 133.535+/-0.027 χ²/NDF: 3964153.6/29
Left In: 327.575+/-0.059 χ²/NDF:4153087.6/22
+ sign 194.841+/-0.028 χ²/NDF: 14483423.6/48
All: 179.890+/-0.019 χ²/NDF: 32114133.9/10
- sign 168.429+/-0.025 χ²/NDF: 17138923.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.7/29

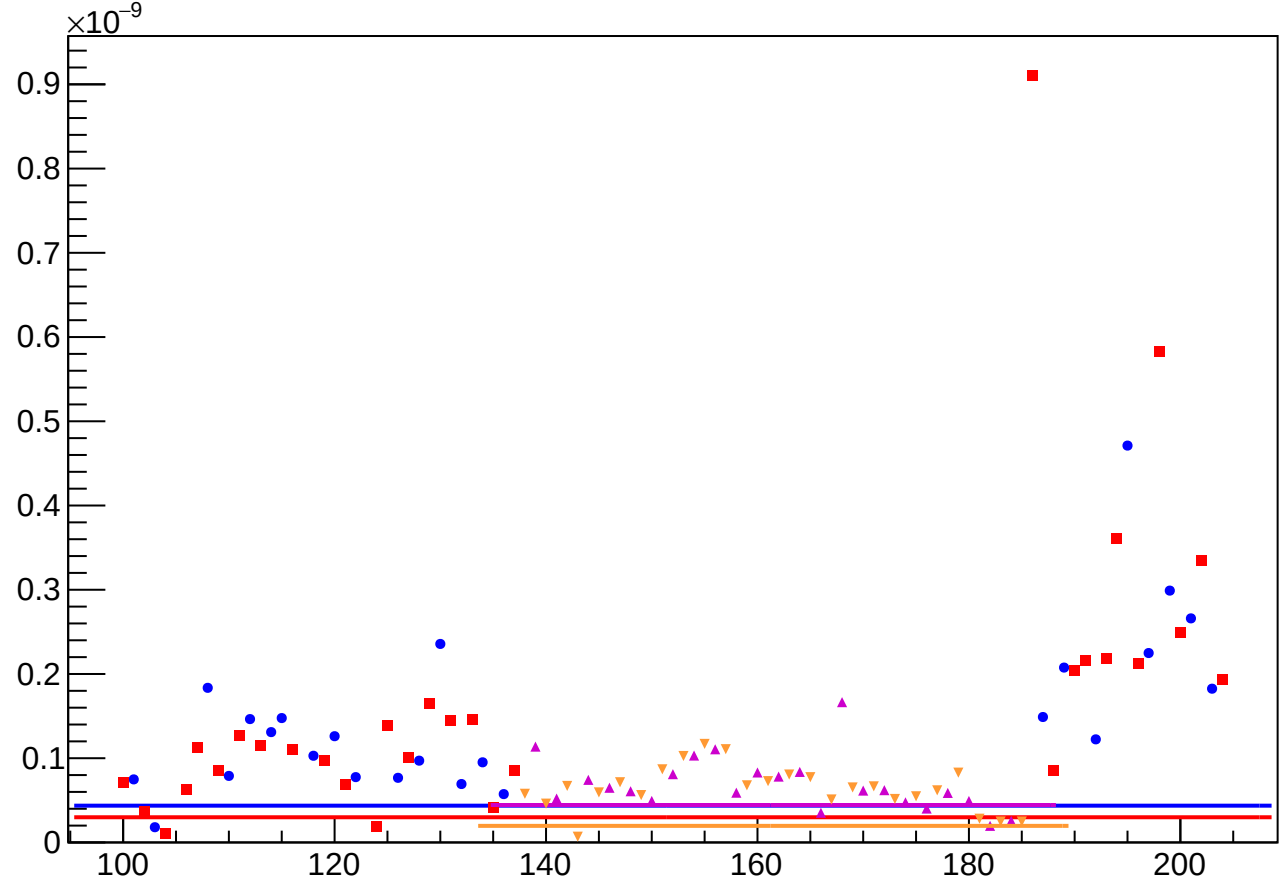
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.5/48

All: 0.000+/-0.000 χ^2/NDF: 88.9/101

- sign 0.000+/-0.000 χ^2/NDF: 56.2/52

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7964514.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11283810.3/29

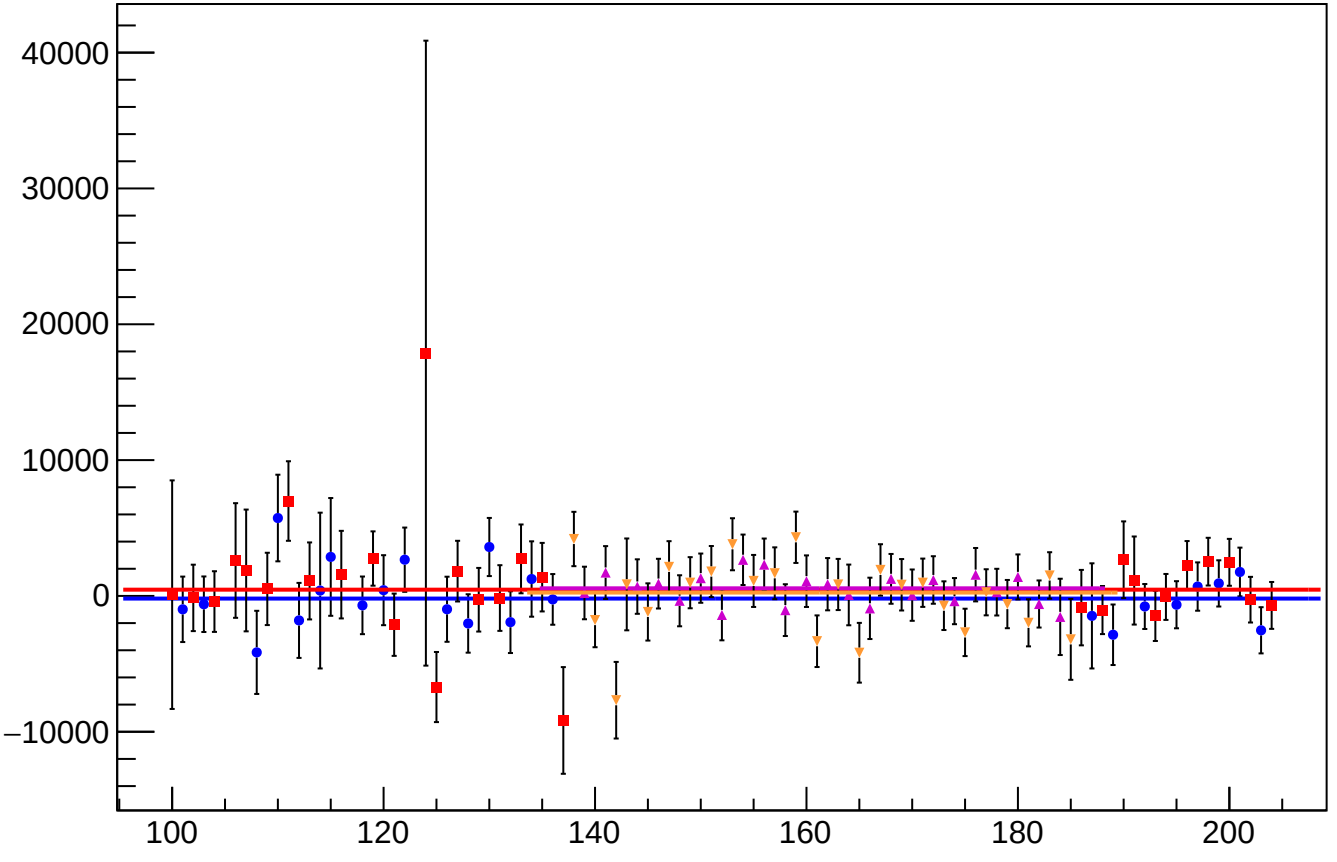
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 24707215.4/48

All: 0.000+/-0.000 χ^2/NDF: 45669269.5/101

- sign 0.000+/-0.000 χ^2/NDF: 17998609.6/52

reg_asym_atl_dd_mean vs Slug



Right In: -194.825+/-452.385 χ^2/NDF: 18.0/23

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 461.129+/-427.856 χ^2/NDF: 31.2/29

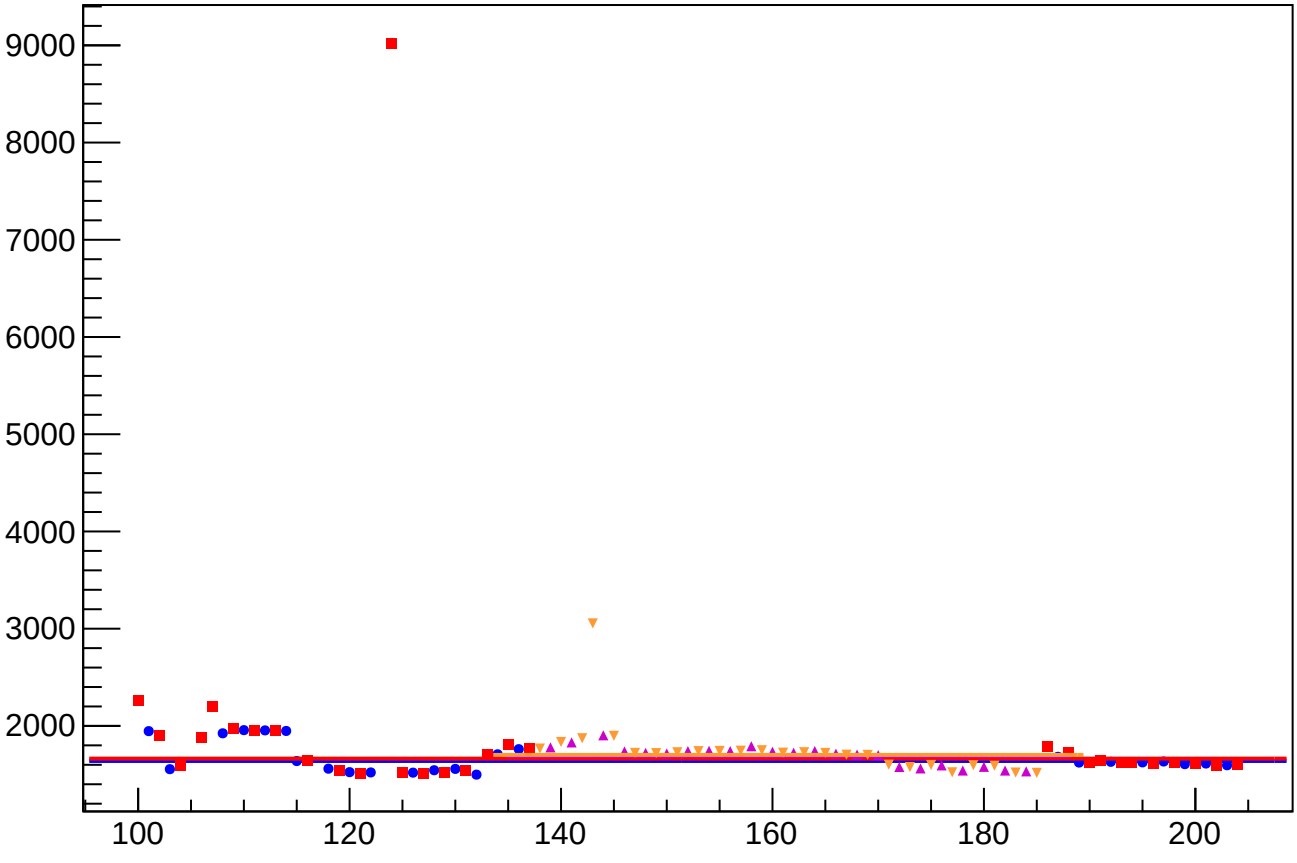
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 59.990+/-294.875 χ^2/NDF: 58.2/48

All: 290.814+/-206.862 χ^2/NDF: 98.1/101

- sign 514.490+/-290.273 χ^2/NDF: 38.8/52

reg_asym_atl_dd_rms vs Slug



Right In: 1639.643+/-0.320 χ^2/NDF: 148692.6/23

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1663.308+/-0.302 χ^2/NDF: 410479.7/29

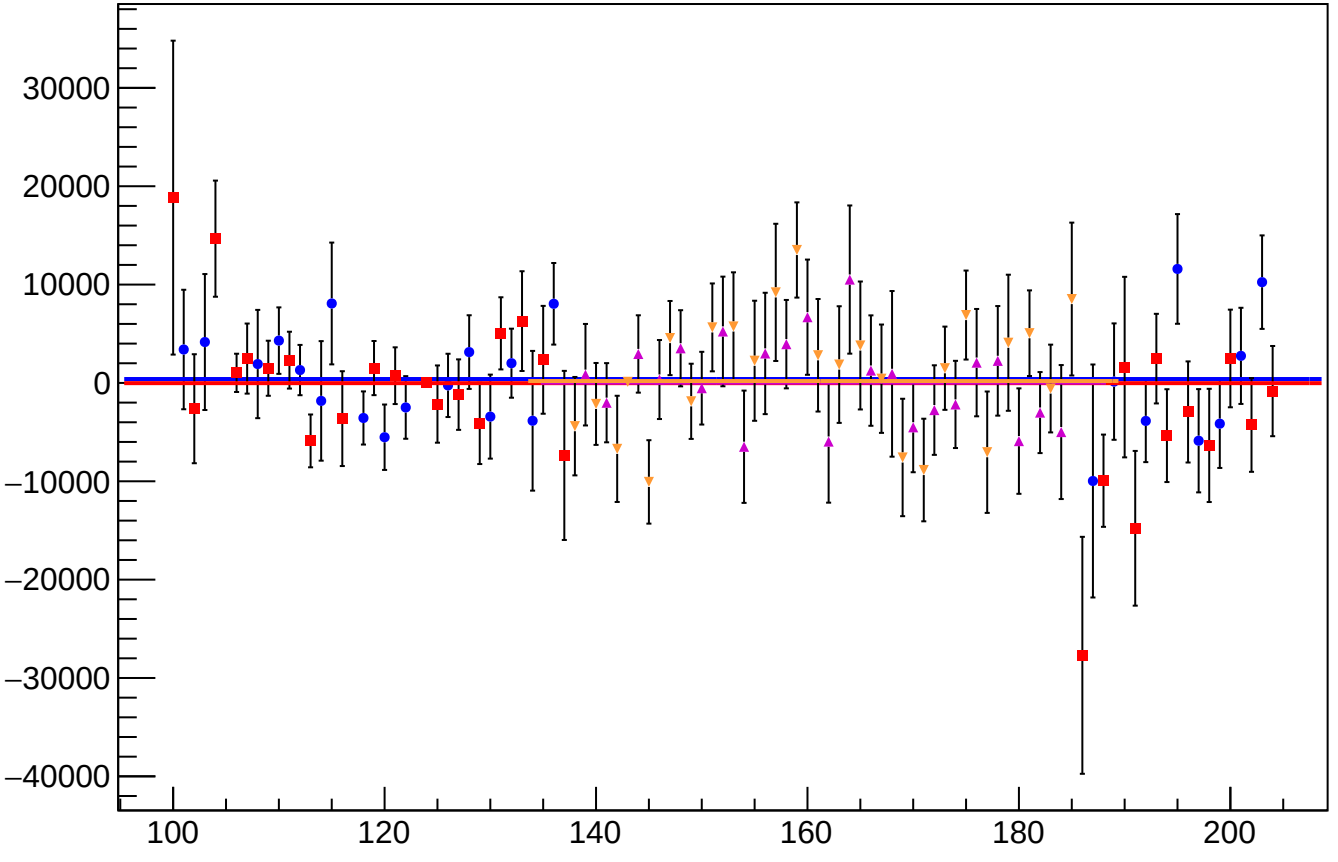
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1675.266+/-0.209 χ^2/NDF: 622635.1/48

All: 1676.293+/-0.146 χ^2/NDF: 1159460.6/10

- sign 1677.287+/-0.205 χ^2/NDF: 536777.7/52

asym_atl_dd_reg_correction_mean vs Slug



Right In: 398.177+/-851.478 χ^2/NDF: 28.0/23

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: -21.765+/-317.557 χ^2/NDF: 38.5/29

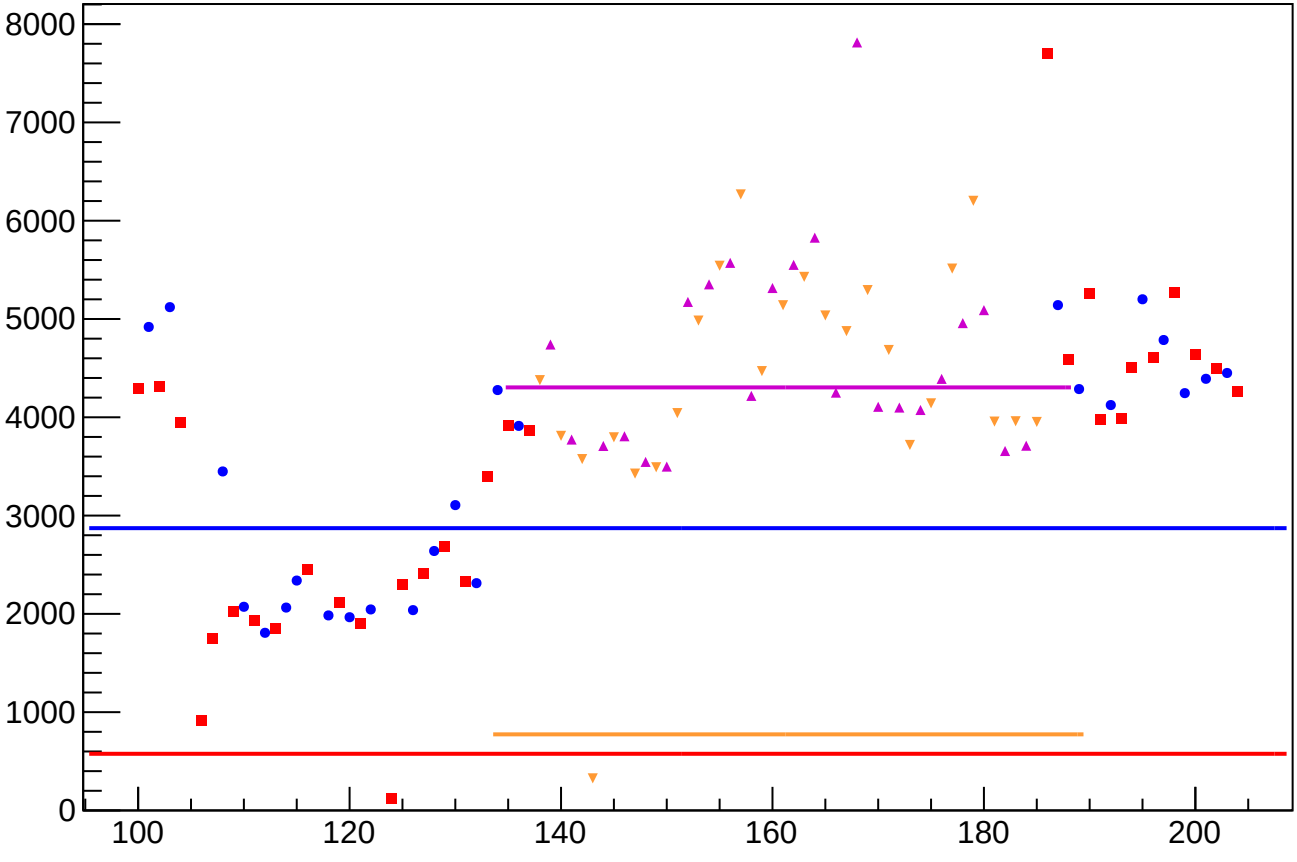
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 222.097+/-318.261 χ^2/NDF: 62.0/48

All: 96.633+/-219.581 χ^2/NDF: 114.1/101

- sign -17.347+/-303.346 χ^2/NDF: 51.8/52

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2872.067+/-0.602 χ^2/NDF: 3453695.9/23

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 576.453+/-0.225 χ^2/NDF: 23646390.4/29

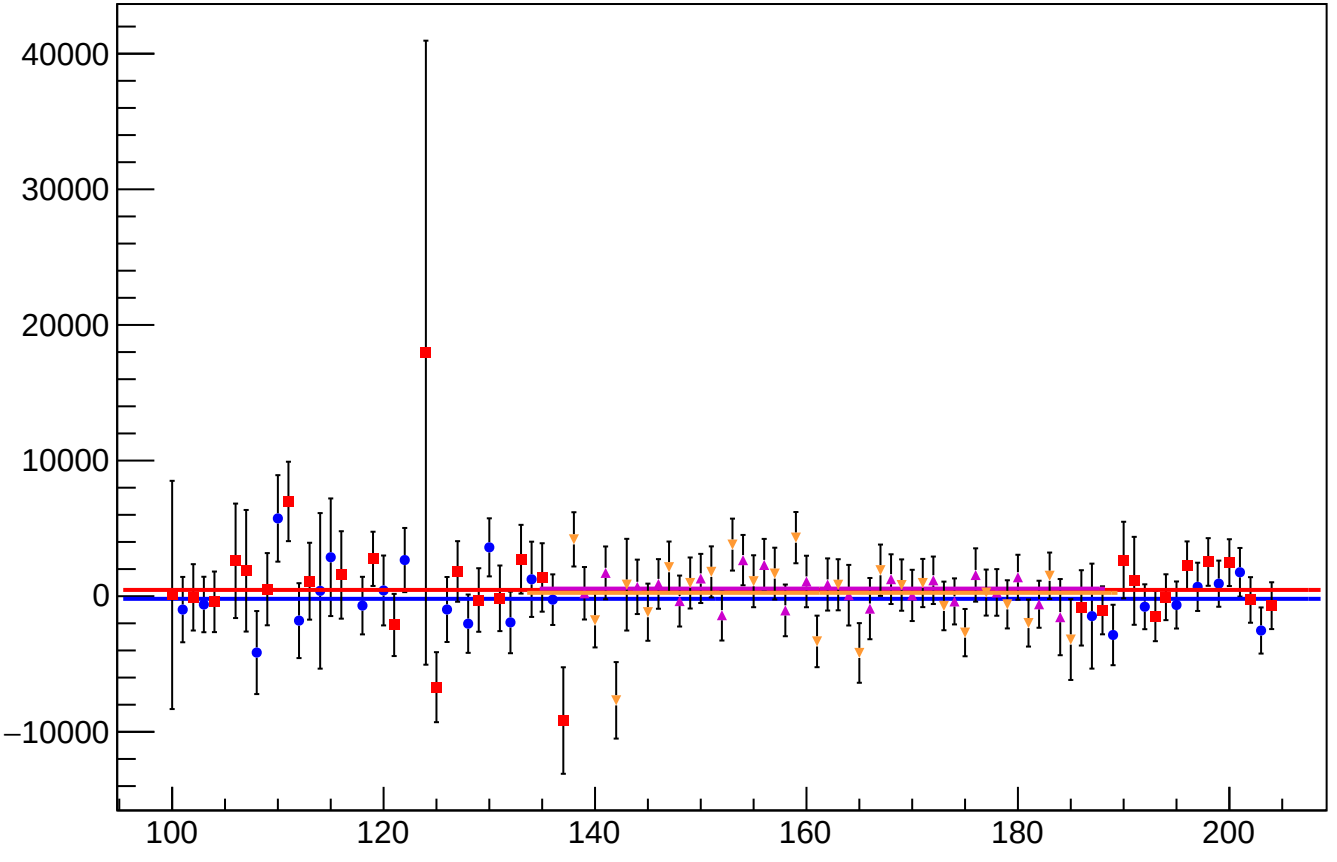
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1067.316+/-0.225 χ^2/NDF: 41983400.8/48

All: 981.020+/-0.155 χ^2/NDF: 91240152.1/10

- sign 902.624+/-0.214 χ^2/NDF: 48976128.5/52

cor_asym_atl_dd_mean vs Slug



Right In: -194.787+/-452.385 χ^2/NDF: 18.0/23

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 463.093+/-427.858 χ^2/NDF: 31.2/29

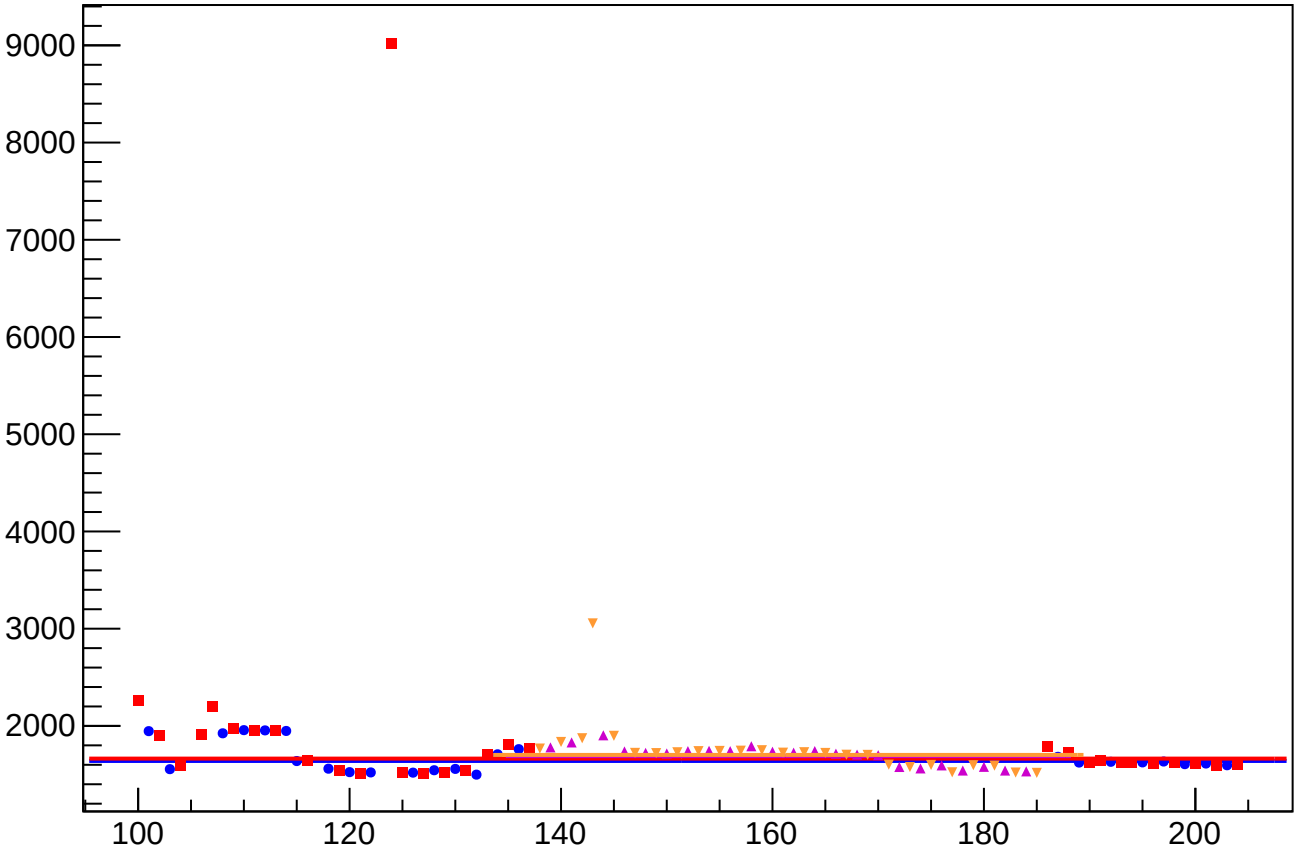
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 59.996+/-294.875 χ^2/NDF: 58.2/48

All: 291.266+/-206.862 χ^2/NDF: 98.1/101

- sign 515.375+/-290.274 χ^2/NDF: 38.8/52

cor_asym_atl_dd_rms vs Slug



Right In: 1639.643+/-0.320 χ^2/NDF: 148692.7/23

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

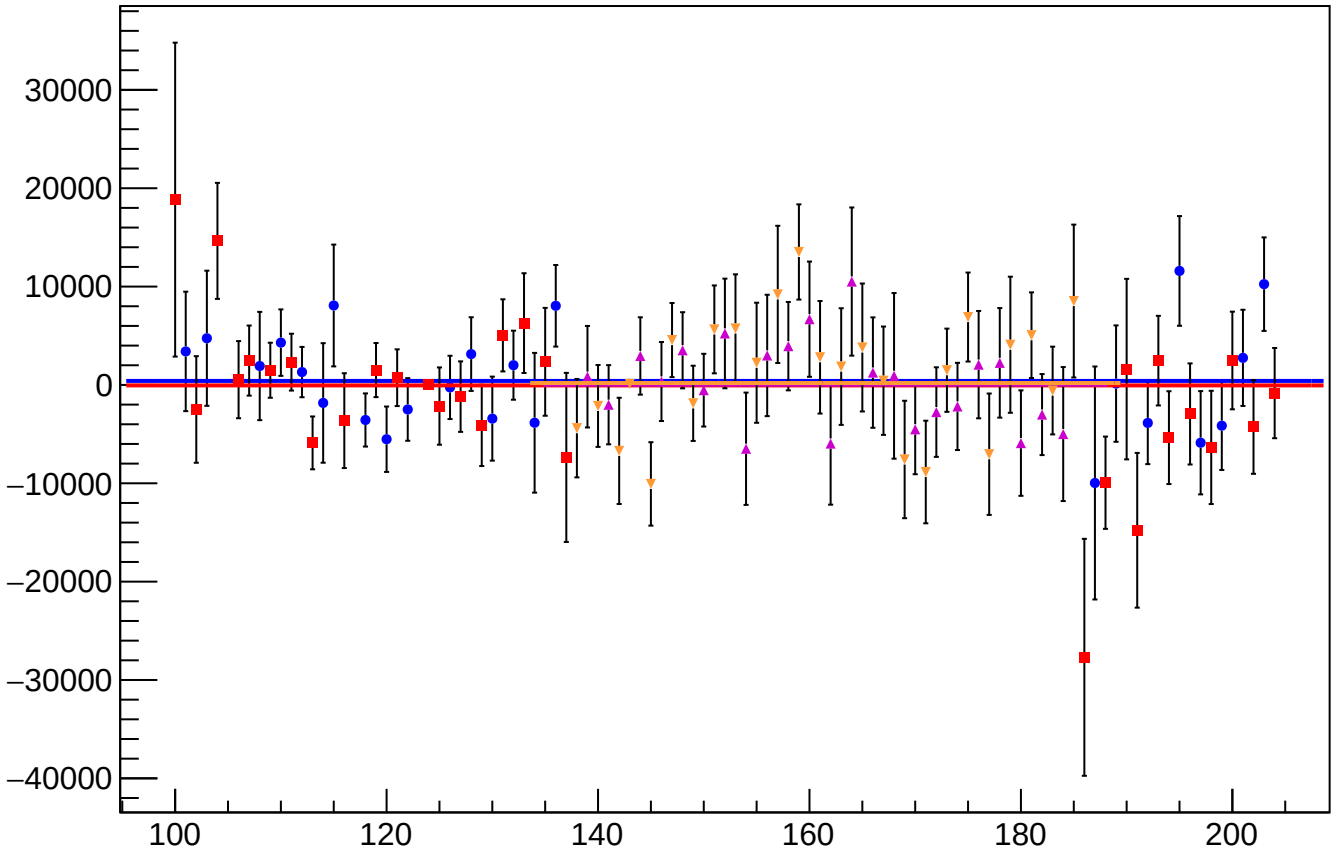
Right Out: 1663.657+/-0.302 χ^2/NDF: 412492.5/29

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1675.266+/-0.209 χ^2/NDF: 622635.2/48

All: 1676.377+/-0.146 χ^2/NDF: 1161374.2/10

- sign 1677.451+/-0.205 χ^2/NDF: 538683.2/52



Right In: 408.077+/-851.396 χ^2/NDF: 28.1/23

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -47.013+/-310.035 χ^2/NDF: 38.2/29

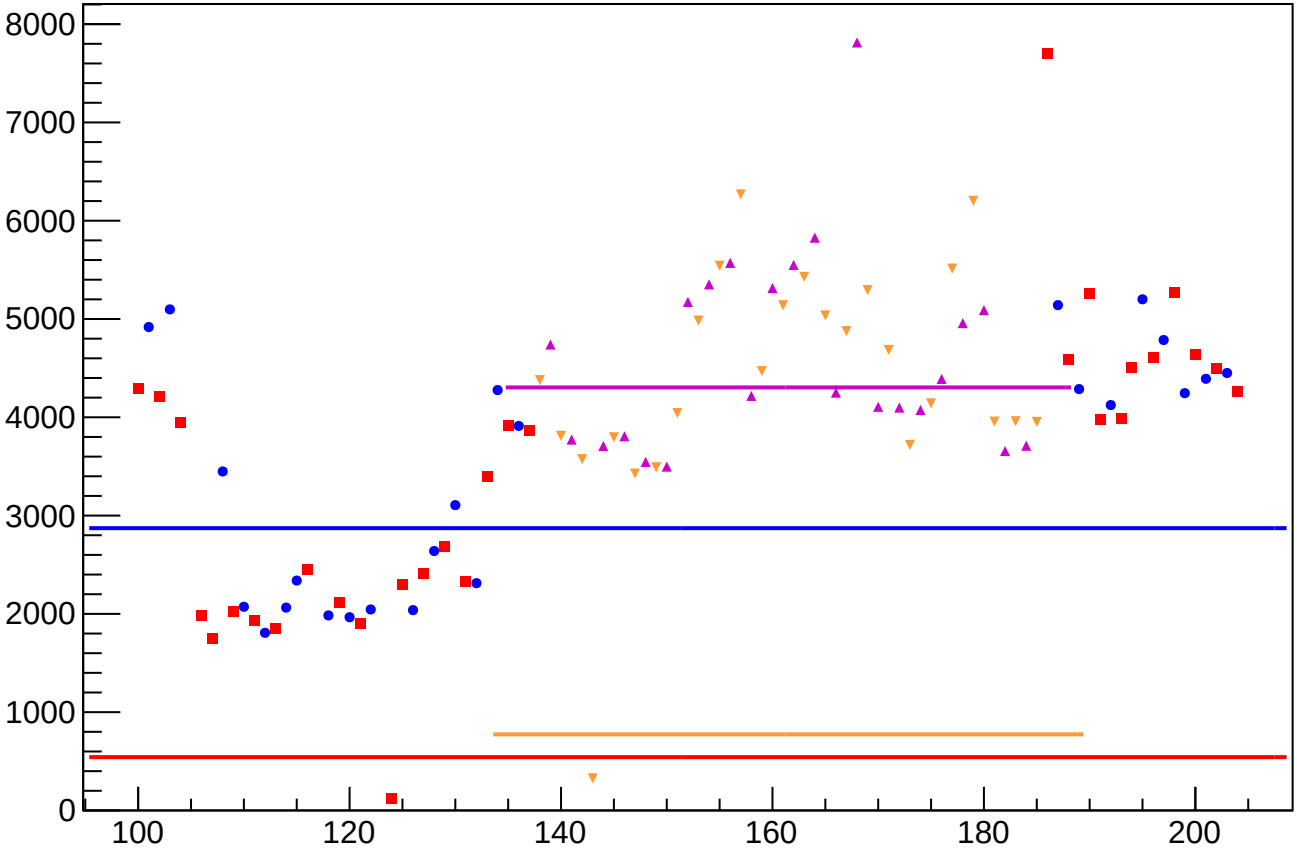
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 223.837+/-318.238 χ^2/NDF: 62.1/48

All: 82.363+/-217.040 χ^2/NDF: 114.0/101

- sign -40.666+/-296.769 χ^2/NDF: 51.5/52

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2872.112+/-0.602 χ^2/NDF: 3451788.8/23

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 542.508+/-0.219 χ^2/NDF: 24178594.3/29

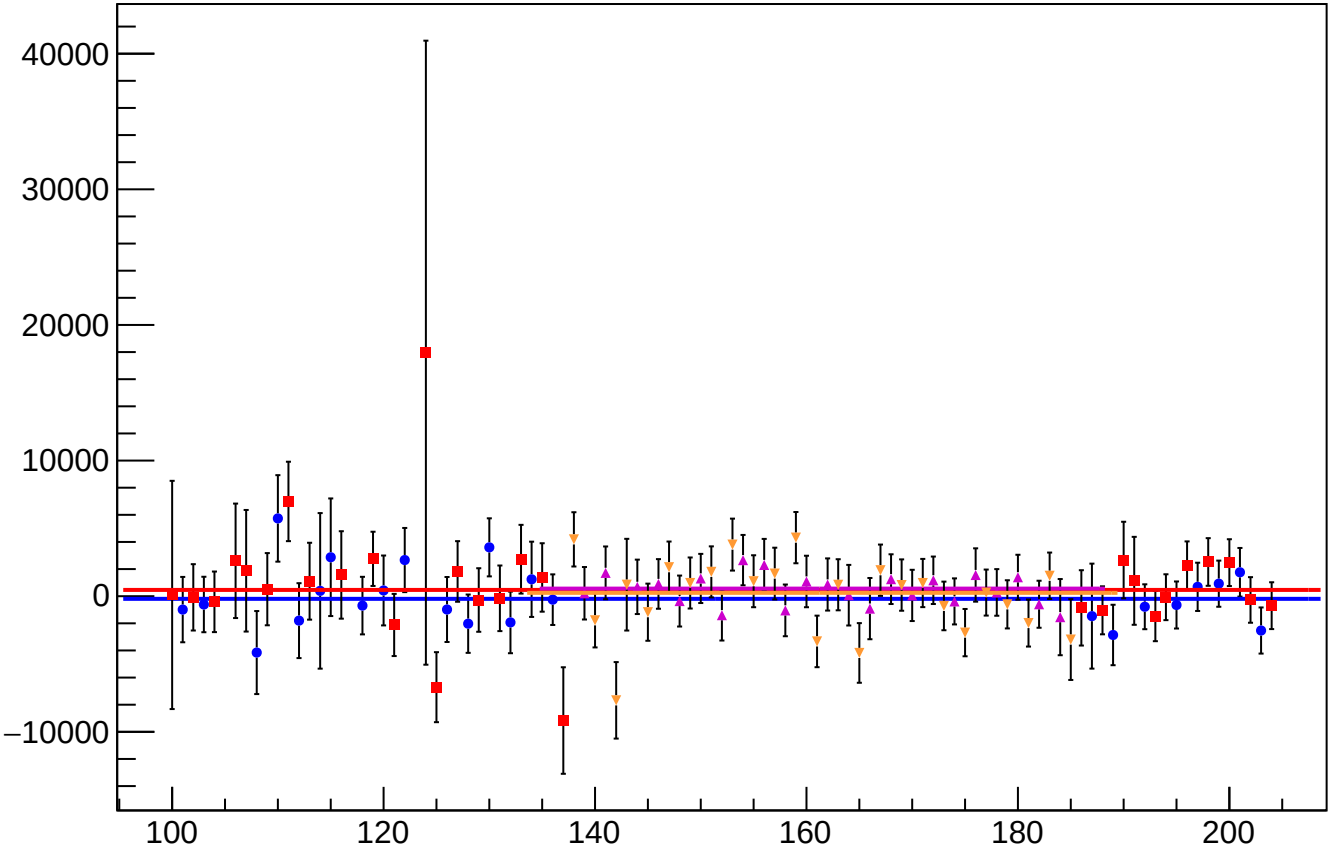
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1067.259+/-0.225 χ^2/NDF: 41985640.0/48

All: 955.083+/-0.153 χ^2/NDF: 92500729.5/10

- sign 857.531+/-0.210 χ^2/NDF: 50050484.6/52

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -194.787+/-452.385 χ^2/NDF: 18.0/23

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 463.093+/-427.858 χ^2/NDF: 31.2/29

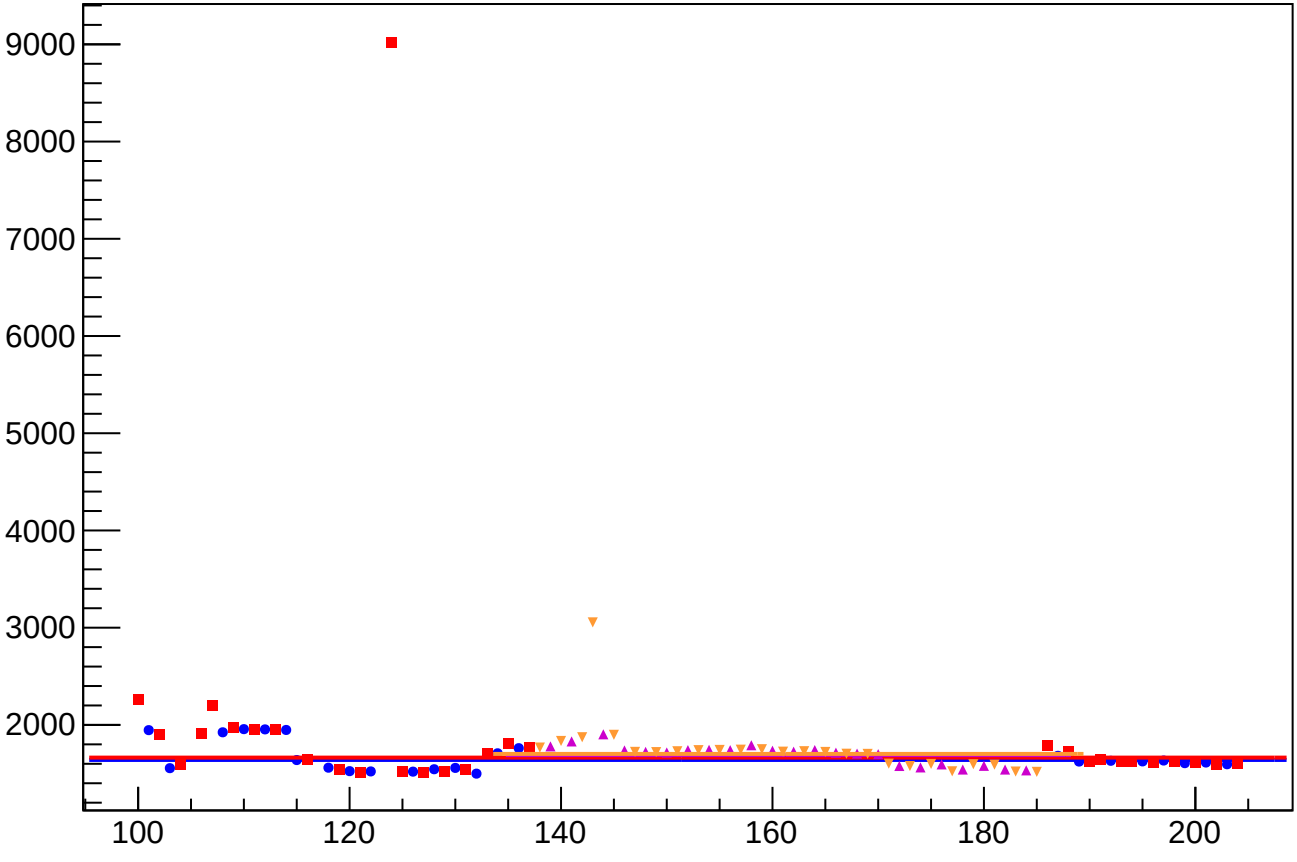
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 59.996+/-294.875 χ^2/NDF: 58.2/48

All: 291.266+/-206.862 χ^2/NDF: 98.1/101

- sign 515.375+/-290.274 χ^2/NDF: 38.8/52

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1639.643+/-0.320 χ^2/NDF: 148692.7/23

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

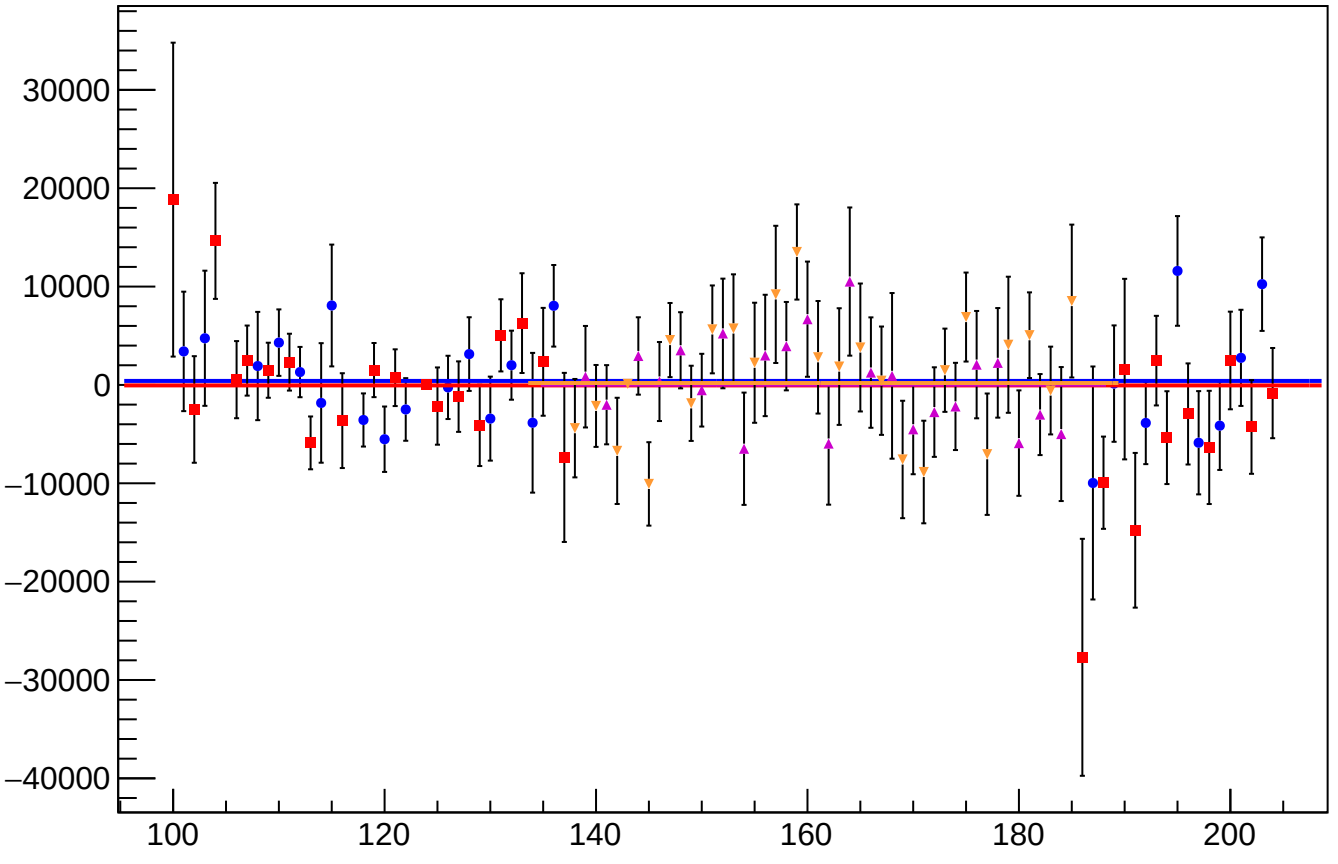
Right Out: 1663.657+/-0.302 χ^2/NDF: 412492.5/29

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1675.266+/-0.209 χ^2/NDF: 622635.2/48

All: 1676.377+/-0.146 χ^2/NDF: 1161374.2/10

- sign 1677.451+/-0.205 χ^2/NDF: 538683.2/52



Right In: 408.077+/-851.396 χ^2/NDF: 28.1/23

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -47.013+/-310.035 χ^2/NDF: 38.2/29

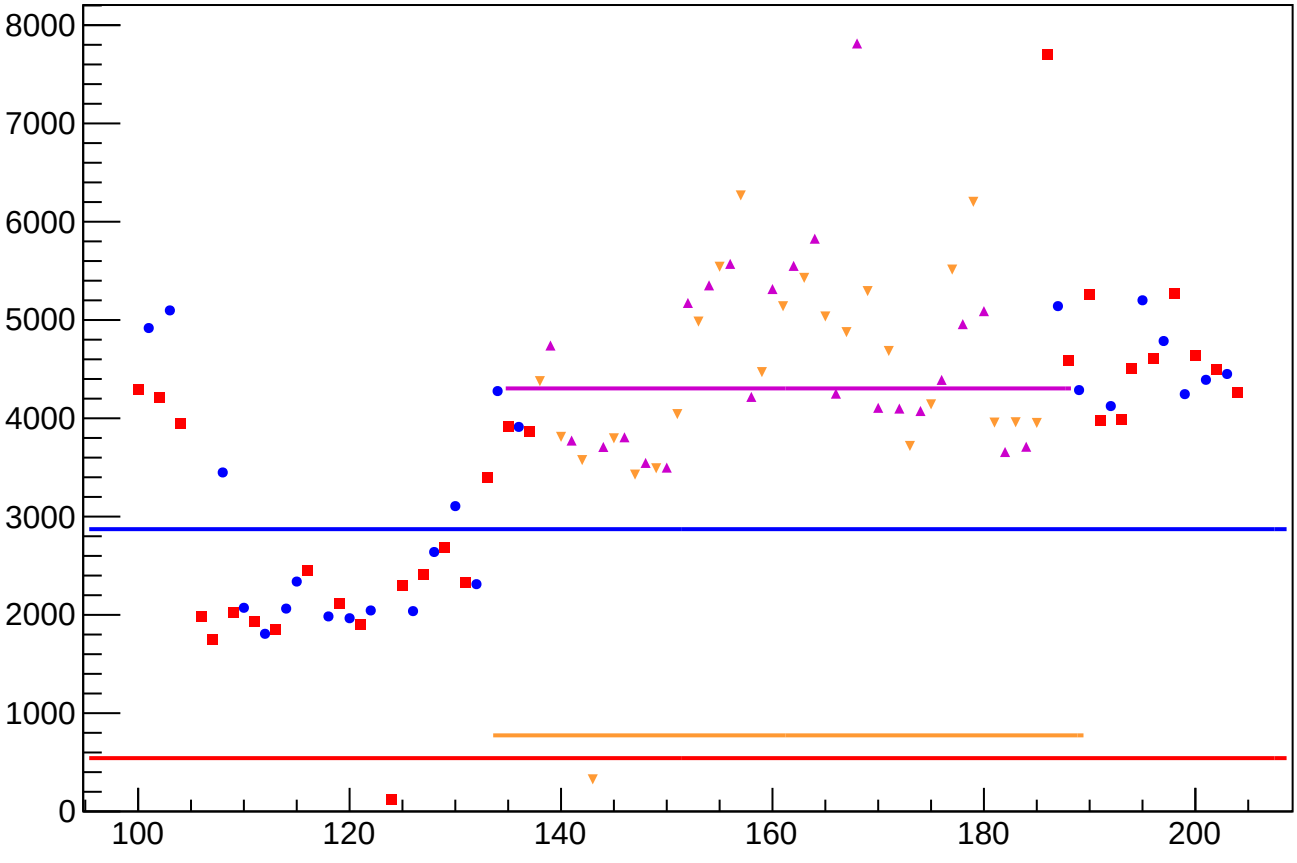
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 223.837+/-318.238 χ^2/NDF: 62.1/48

All: 82.363+/-217.040 χ^2/NDF: 114.0/101

- sign -40.666+/-296.769 χ^2/NDF: 51.5/52

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2872.112+/-0.602 χ^2/NDF: 3451788.8/23

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 542.508+/-0.219 χ^2/NDF: 24178594.3/29

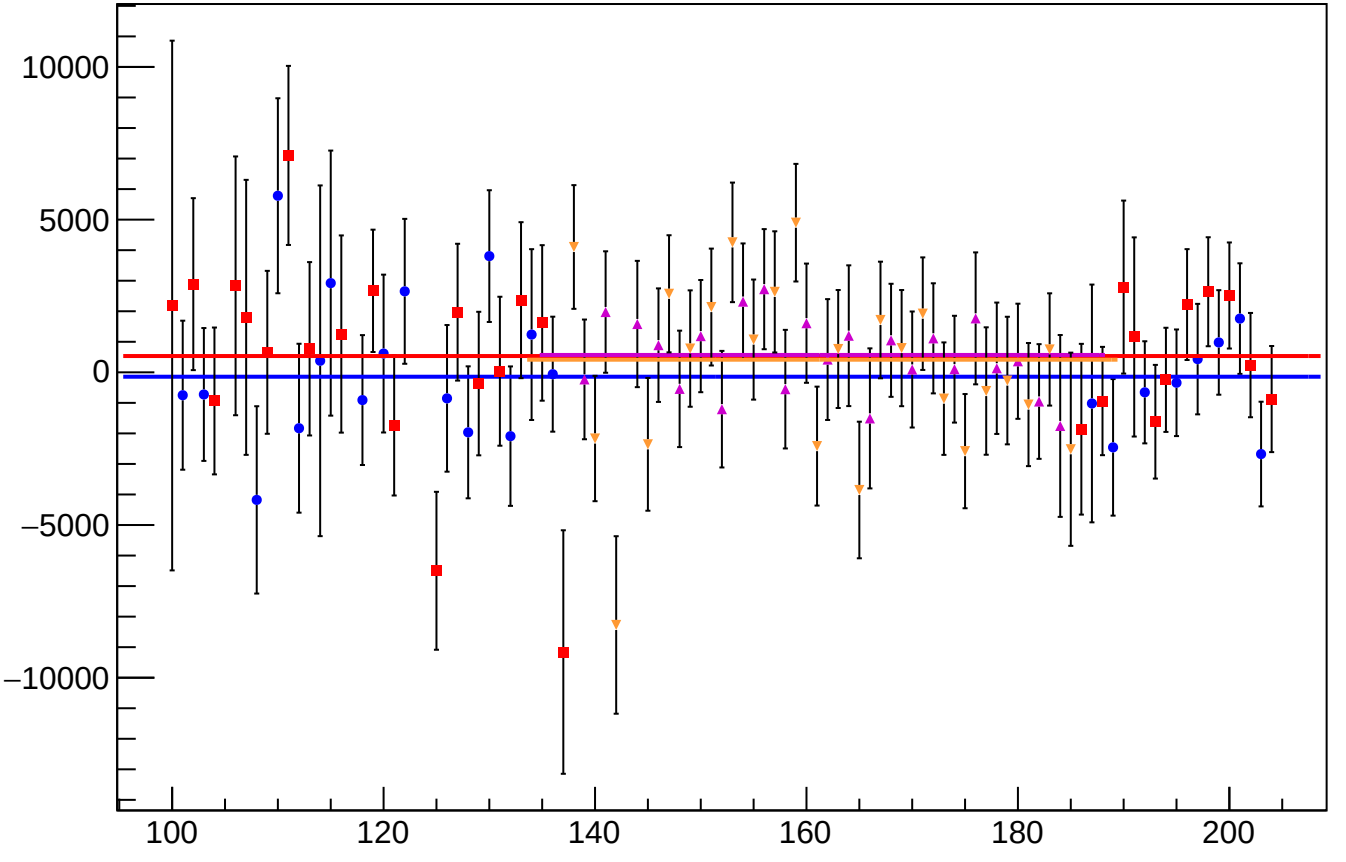
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1067.259+/-0.225 χ^2/NDF: 41985640.0/48

All: 955.083+/-0.153 χ^2/NDF: 92500729.5/10

- sign 857.531+/-0.210 χ^2/NDF: 50050484.6/52

dit_asym_atl_dd_mean vs Slug



Right In: -143.856+/-456.676 χ^2/NDF: 18.0/23

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 533.519+/-433.476 χ^2/NDF: 31.2/28

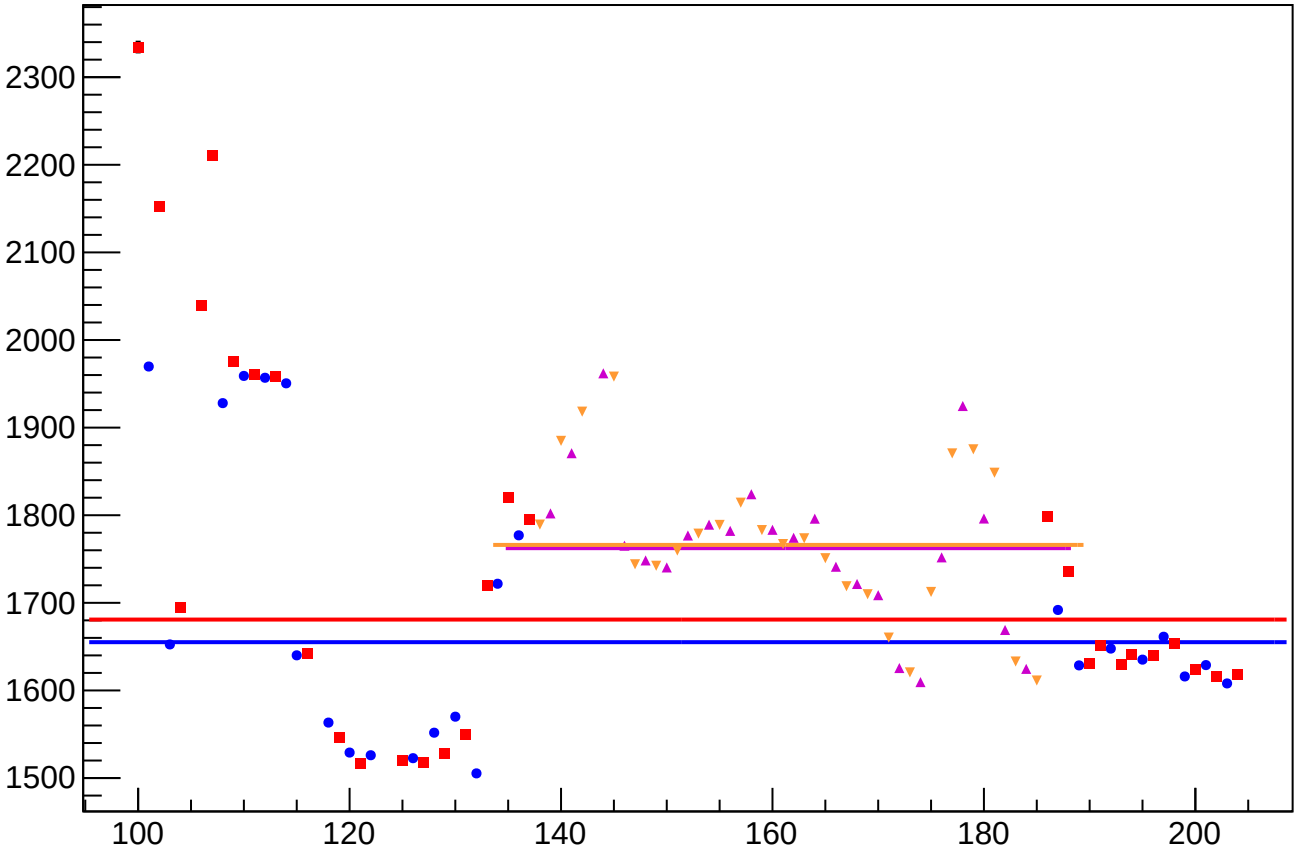
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 164.287+/-305.306 χ^2/NDF: 58.8/47

All: 362.448+/-213.492 χ^2/NDF: 98.5/99

- sign 552.065+/-298.651 χ^2/NDF: 38.9/51

dit_asym_atl_dd_rms vs Slug



Right In: 1655.102+/-0.323 χ^2/NDF: 146397.3/23

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1680.906+/-0.306 χ^2/NDF: 252290.9/28

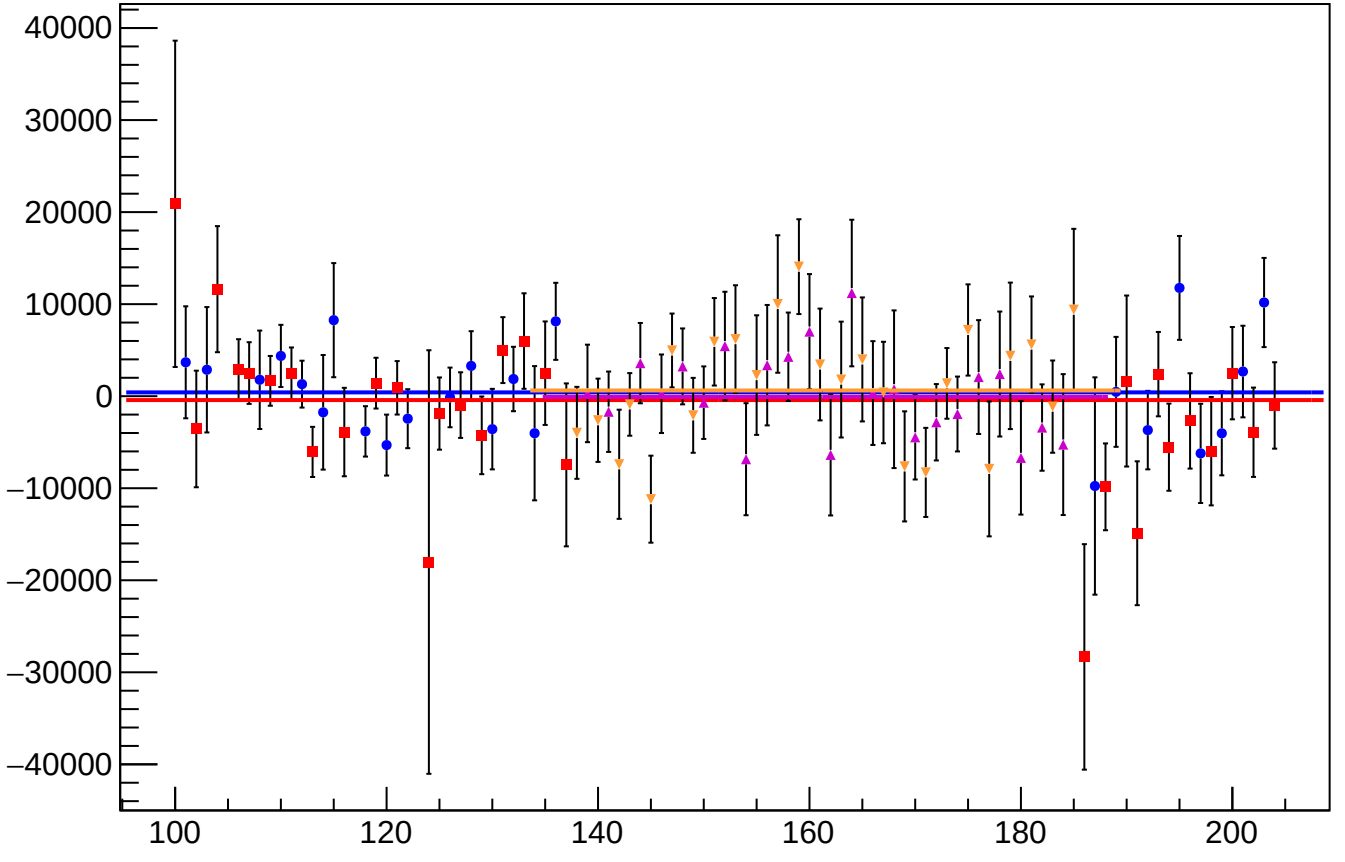
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1716.498+/-0.216 χ^2/NDF: 295012.2/47

All: 1720.168+/-0.151 χ^2/NDF: 665139.4/99

- sign 1723.677+/-0.211 χ^2/NDF: 369562.0/51

asym_atl_dd_dit_correction_mean vs Slug



Right In: 413.380+/-857.033 χ^2/NDF: 27.7/23

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -422.417+/-779.623 χ^2/NDF: 36.1/29

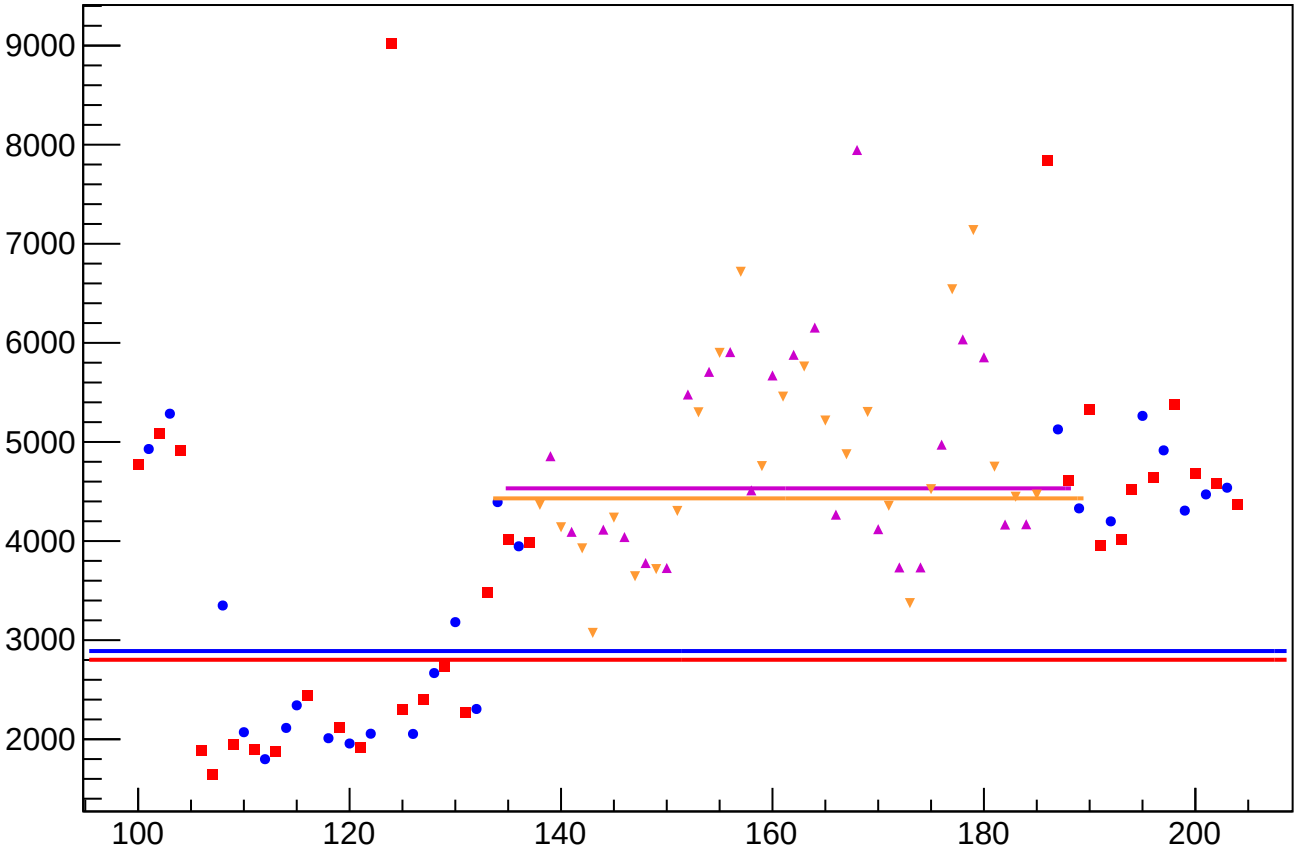
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 497.320+/-660.014 χ^2/NDF: 60.8/48

All: 77.946+/-456.711 χ^2/NDF: 110.6/101

- sign -307.351+/-632.631 χ^2/NDF: 49.1/52

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2890.146+/-0.606 χ^2/NDF: 3574332.1/23

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2801.992+/-0.551 χ^2/NDF: 4866572.0/29

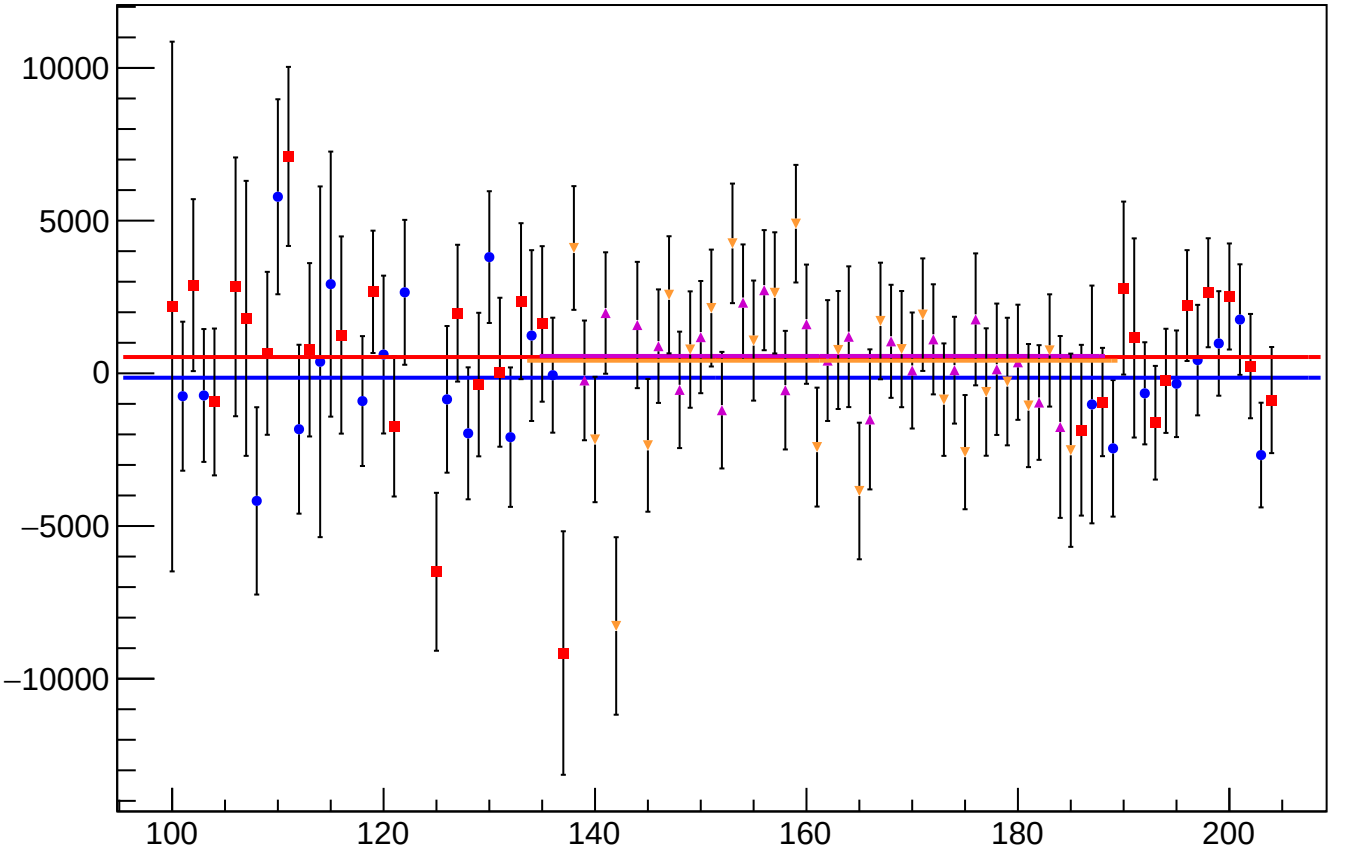
Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3517.072+/-0.467 χ^2/NDF: 7817605.4/48

All: 3452.323+/-0.323 χ^2/NDF: 17460890.5/1

- sign 3392.836+/-0.447 χ^2/NDF: 9606352.9/52

eigen_dit_asym_atl_dd_mean vs Slug



Right In: -143.853+/-456.676 χ^2/NDF: 18.0/23

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 533.520+/-433.476 χ^2/NDF: 31.2/28

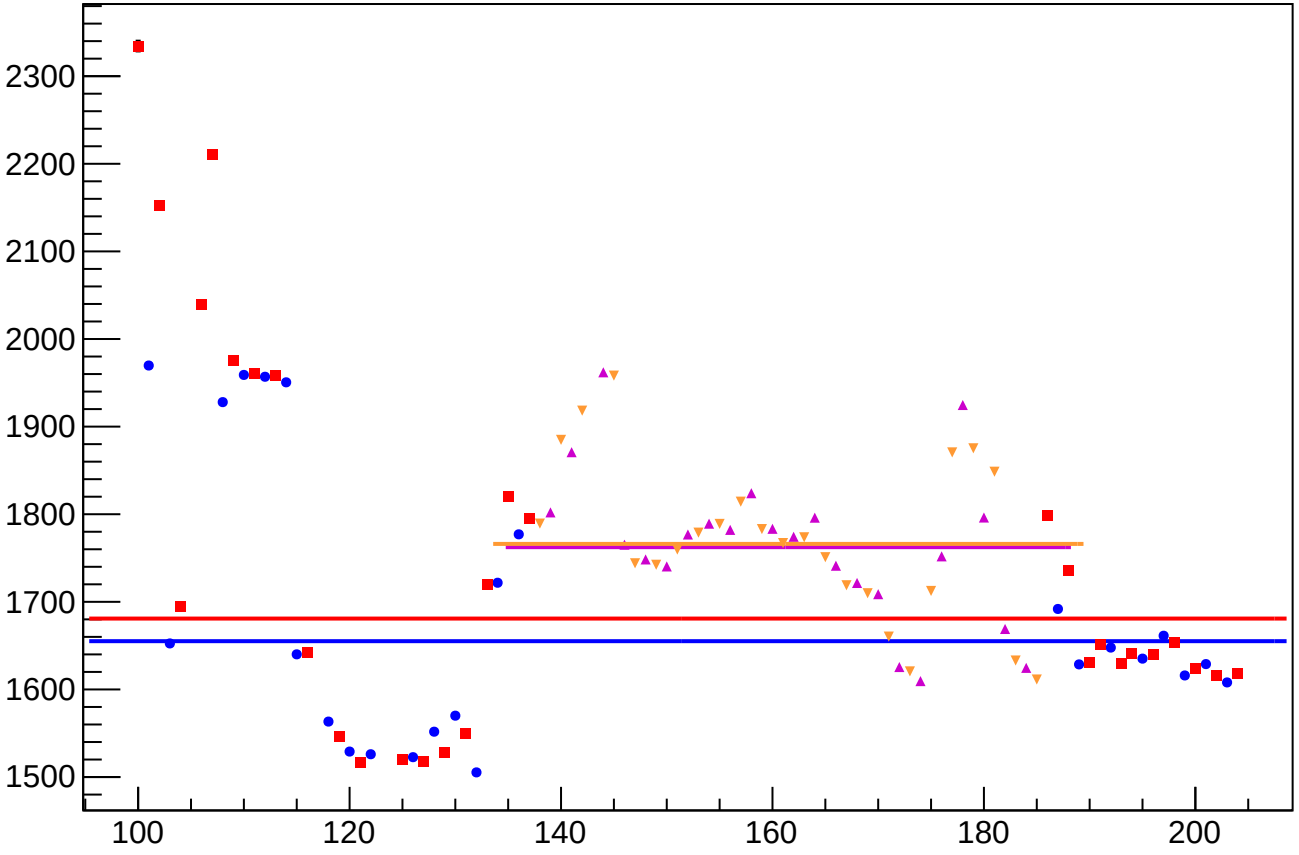
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 164.289+/-305.306 χ^2/NDF: 58.8/47

All: 362.449+/-213.492 χ^2/NDF: 98.5/99

- sign 552.065+/-298.652 χ^2/NDF: 38.9/51

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1655.102+/-0.323 χ^2/NDF: 146397.3/23

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1680.906+/-0.306 χ^2/NDF: 252289.9/28

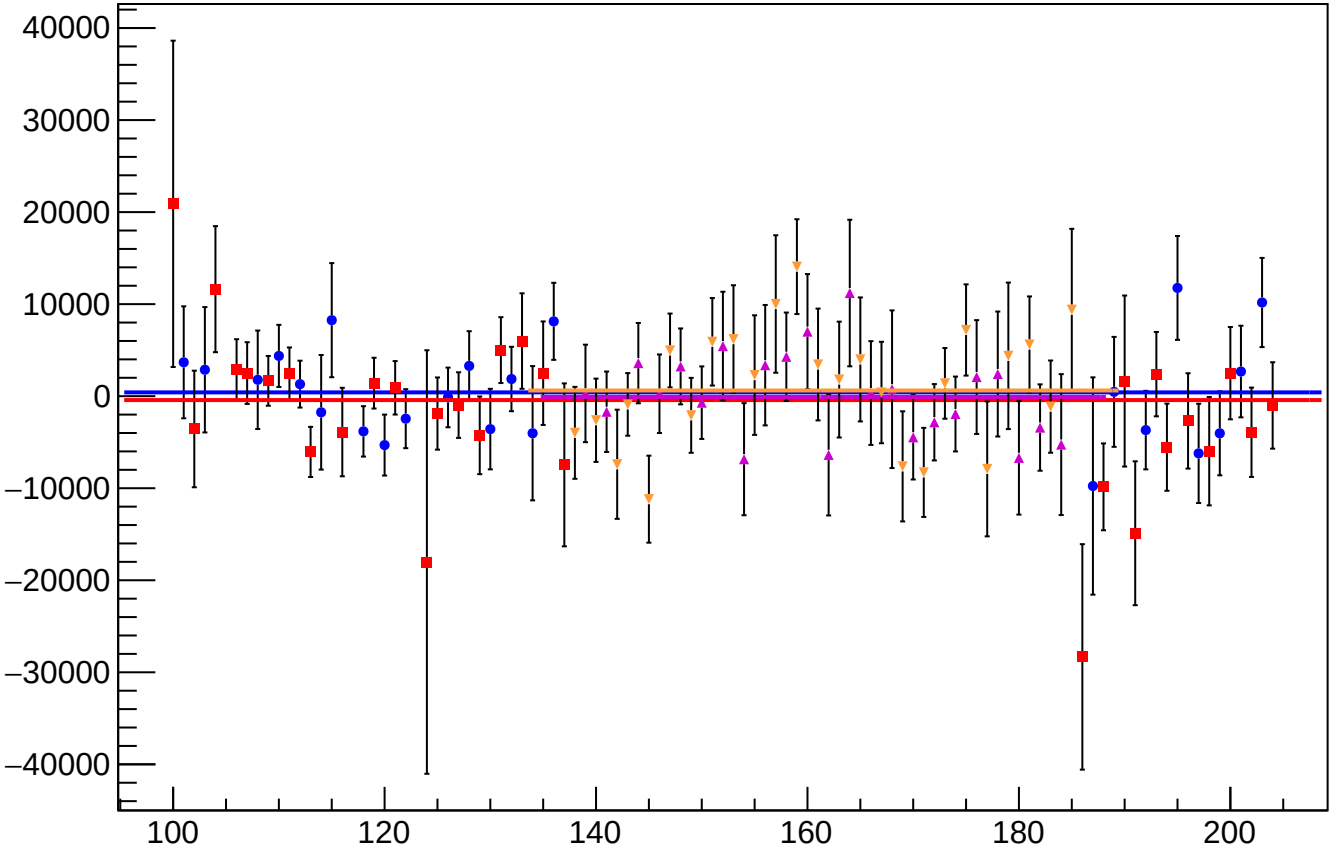
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1716.499+/-0.216 χ^2/NDF: 295016.3/47

All: 1720.169+/-0.151 χ^2/NDF: 665146.0/99

- sign 1723.677+/-0.211 χ^2/NDF: 369564.5/51

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 413.373+/-857.030 χ^2/NDF: 27.7/23

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -422.411+/-779.622 χ^2/NDF: 36.1/29

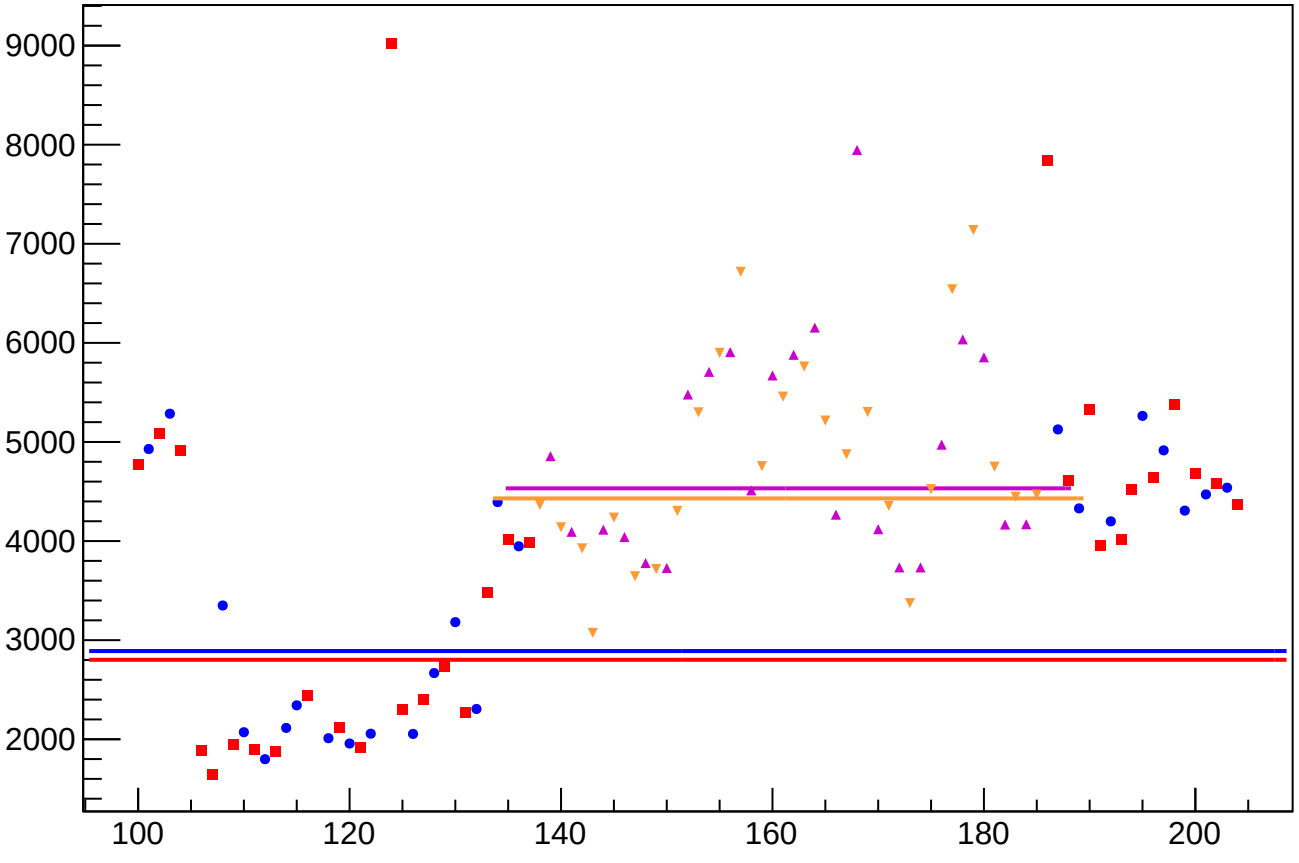
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 497.317+/-660.013 χ^2/NDF: 60.8/48

All: 77.946+/-456.711 χ^2/NDF: 110.6/101

- sign -307.348+/-632.630 χ^2/NDF: 49.1/52

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2890.135+/-0.606 χ^2/NDF: 3574377.7/23

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

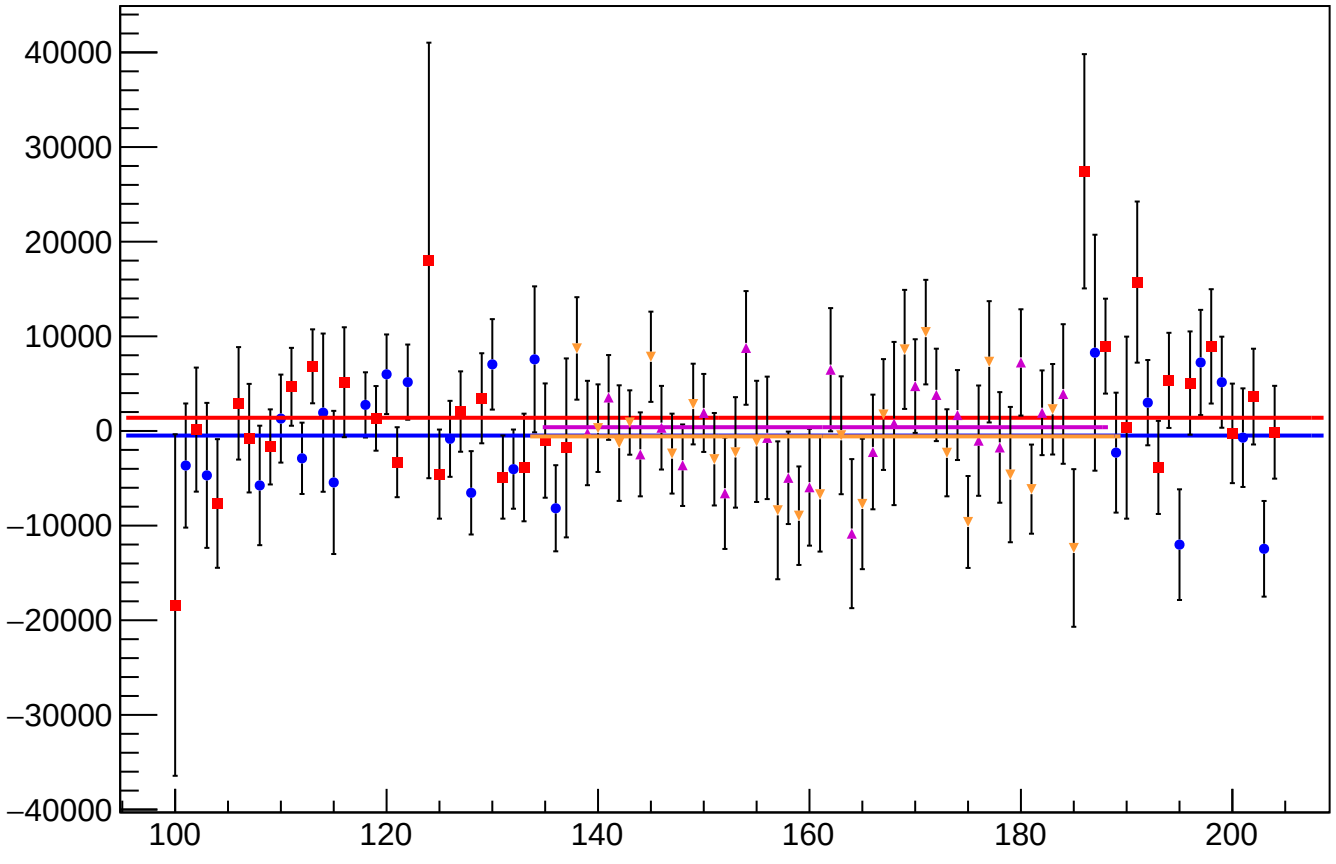
Right Out: 2801.983+/-0.551 χ^2/NDF: 4866616.8/29

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

\+ sign 3517.065+/-0.467 χ^2/NDF: 7817715.0/48

All: 3452.317+/-0.323 χ^2/NDF: 17461107.5/1

\- sign 3392.829+/-0.447 χ^2/NDF: 9606460.4/52



Right In: -484.992+/-1021.193 χ^2/NDF: 30.6/23

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 1395.470+/-961.852 χ^2/NDF: 27.6/29

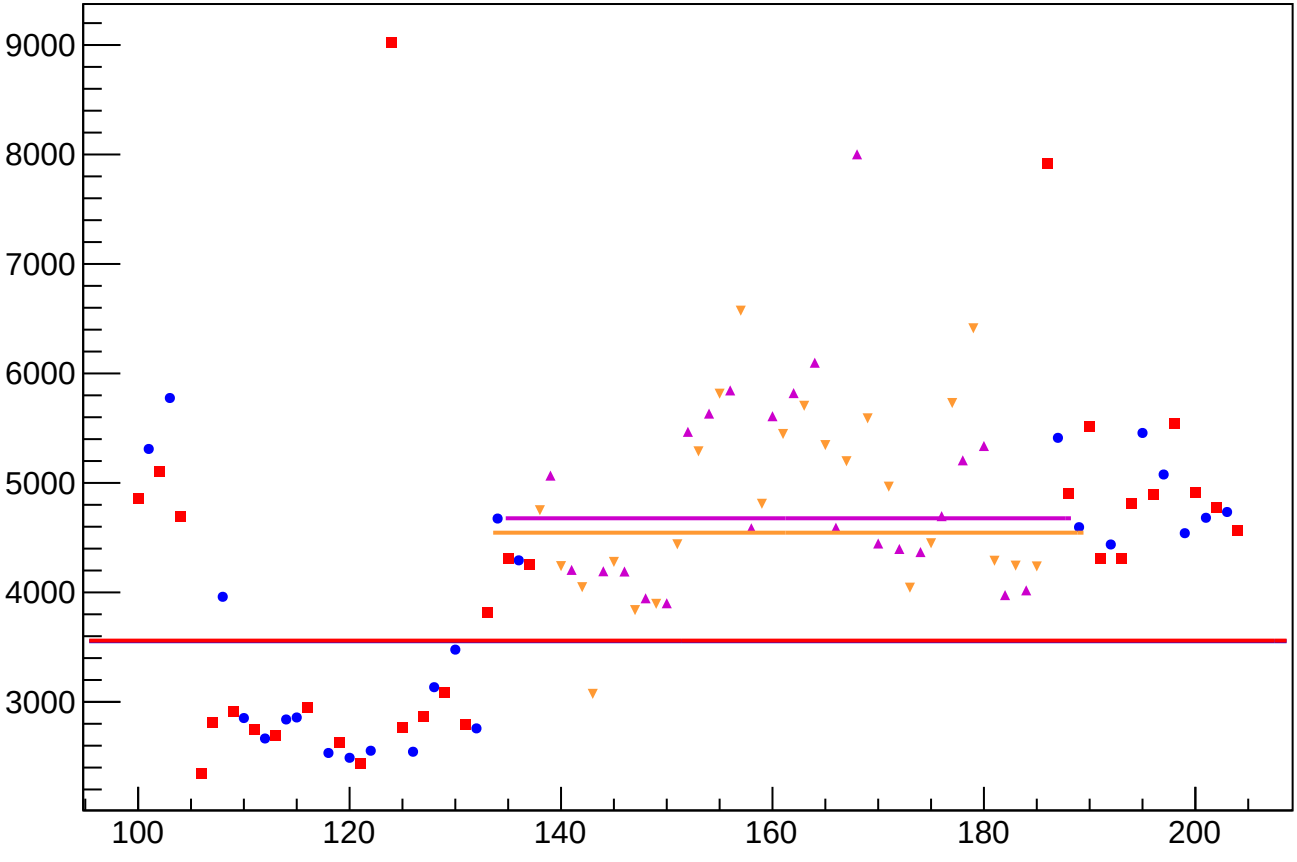
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -527.629+/-733.698 χ^2/NDF: 59.3/48

All: 227.105+/-516.335 χ^2/NDF: 103.5/101

- sign 967.645+/-726.766 χ^2/NDF: 42.1/52

asym_atl_dd_rms vs Slug



Right In: 3554.159+/-0.722 χ^2/NDF: 2075224.4/23

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

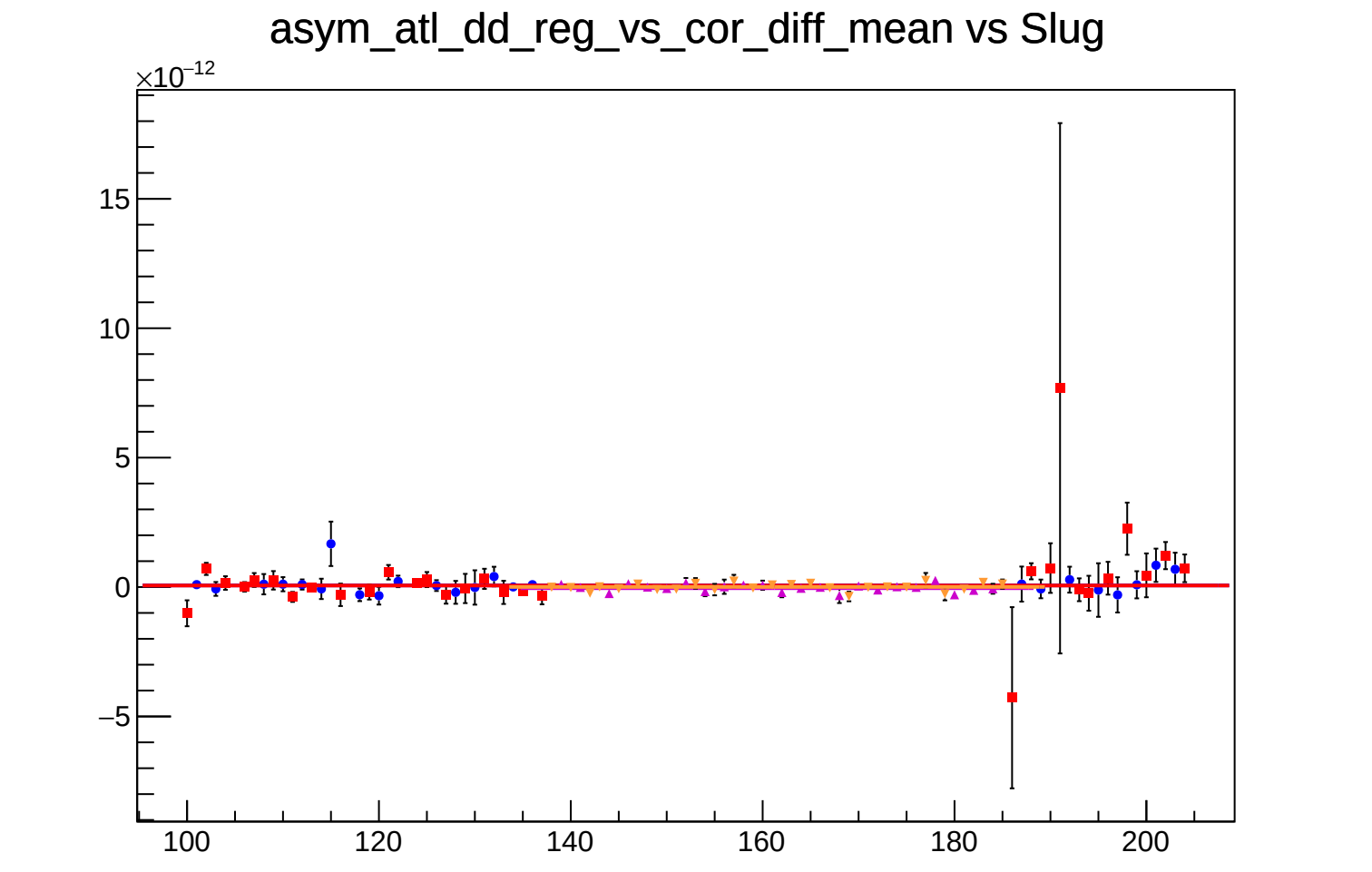
Right Out: 3559.557+/-0.674 χ^2/NDF: 2617158.6/29

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

\+ sign 4033.765+/-0.519 χ^2/NDF: 4245593.6/48

All: 4033.818+/-0.364 χ^2/NDF: 8990415.9/10

\- sign 4033.869+/-0.511 χ^2/NDF: 4744822.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 12.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

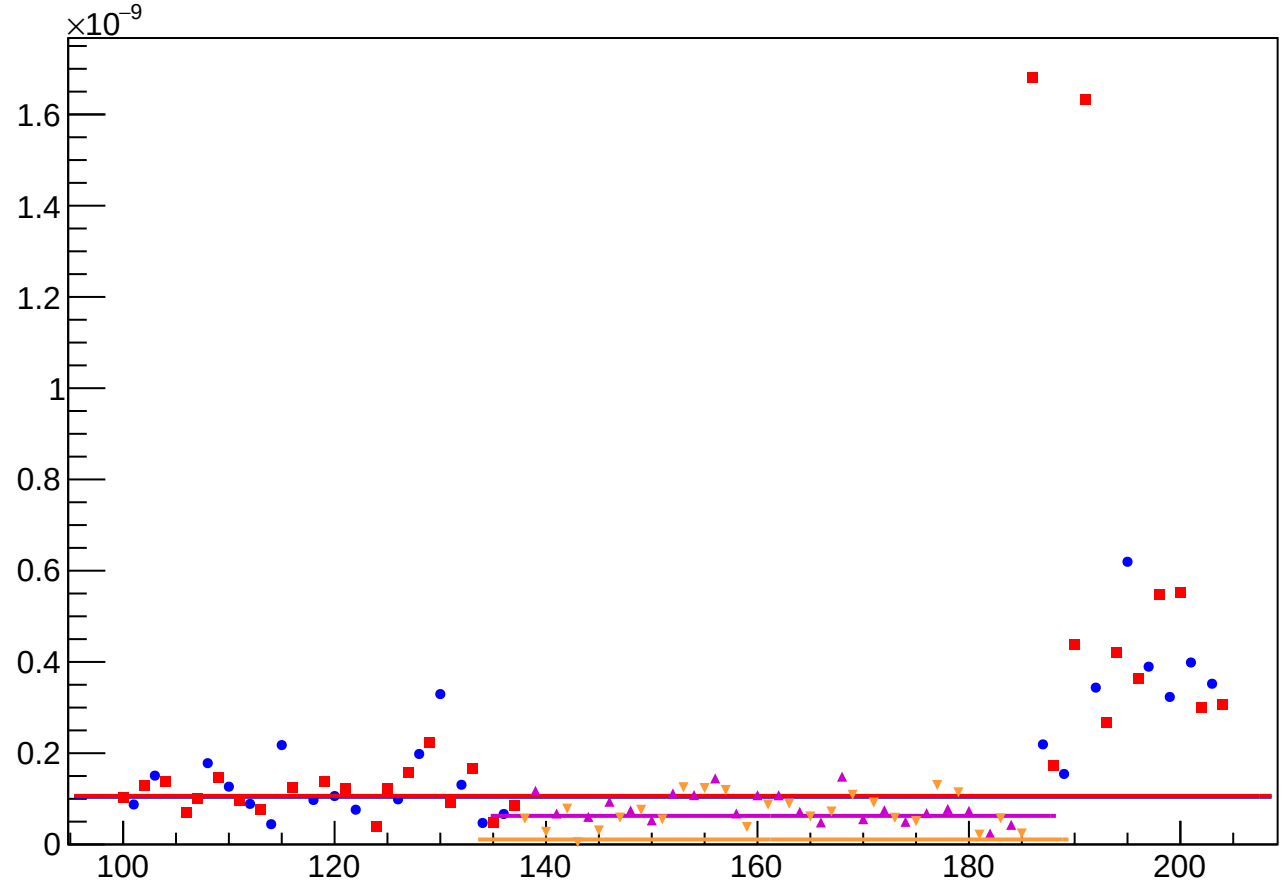
Right Out: 0.000+/-0.000 χ^2/NDF: 48.3/29

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.8/48

All: 0.000+/-0.000 χ^2/NDF: 105.1/101

- sign -0.000+/-0.000 χ^2/NDF: 71.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 3560336.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

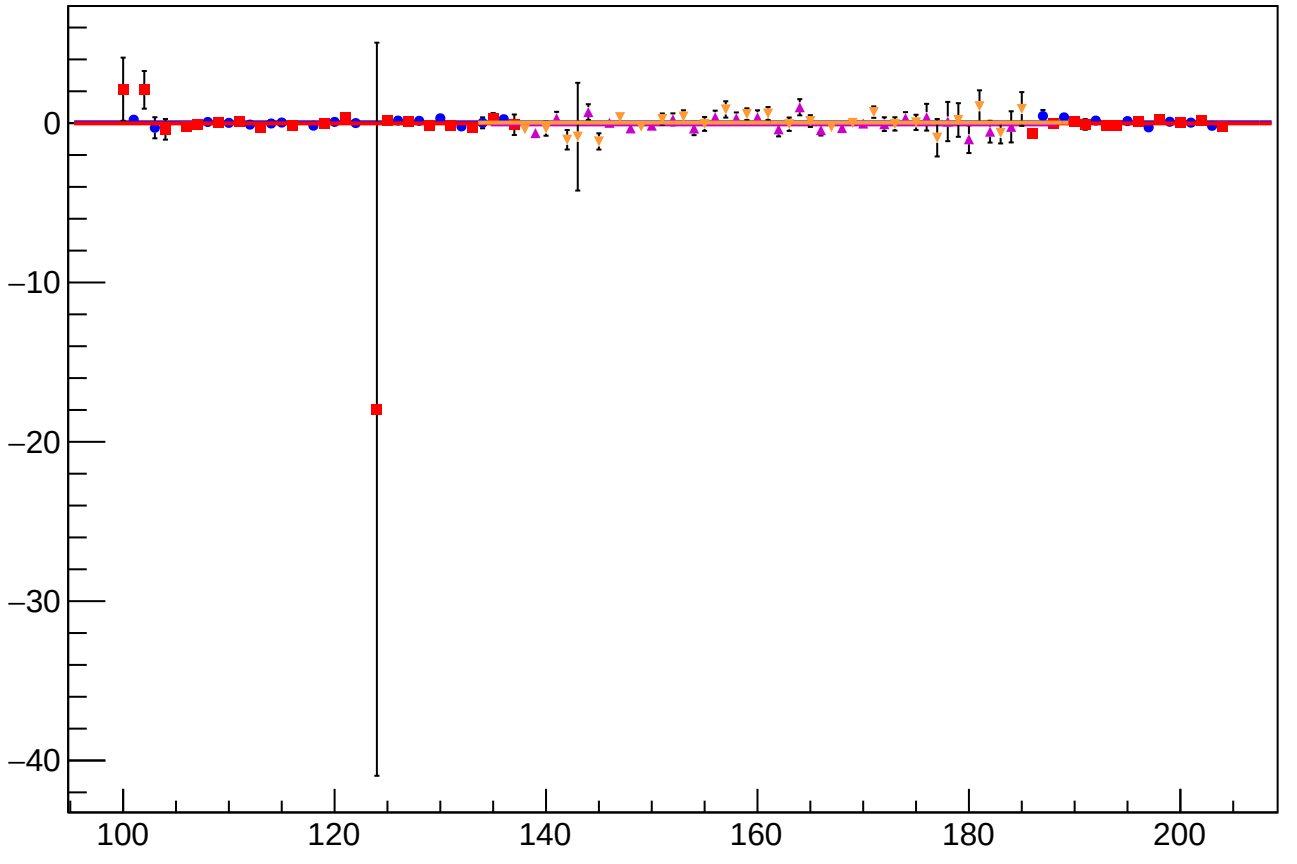
Right Out: 0.000+/-0.000 χ^2/NDF: 4525286.7/29

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 19076380.0/48

All: 0.000+/-0.000 χ^2/NDF: 37739224.9/101

- sign 0.000+/-0.000 χ^2/NDF: 7707084.0/52



Right In: 0.051+/-0.038 χ^2/NDF: 16.8/23

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.014+/-0.034 χ^2/NDF: 32.2/29

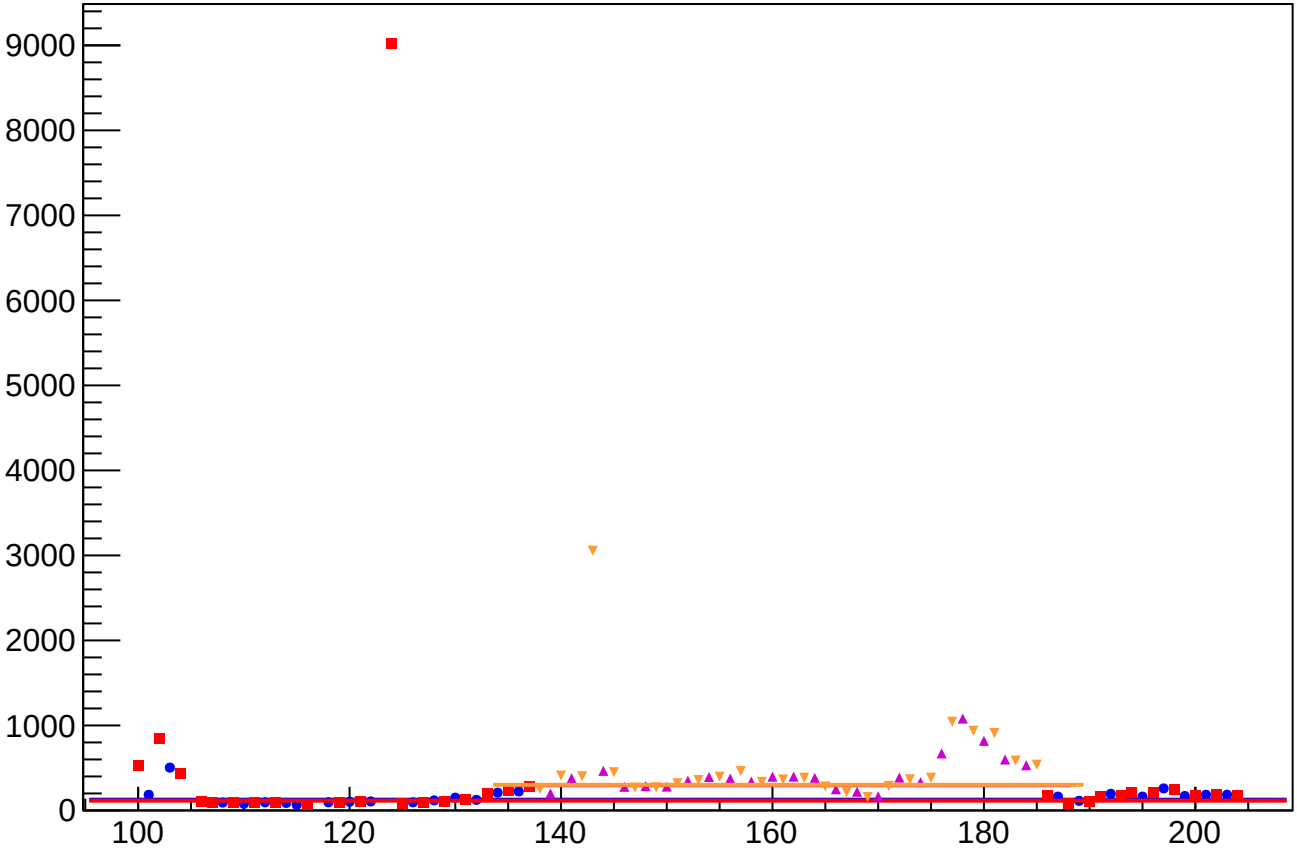
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.048+/-0.034 χ^2/NDF: 46.5/48

All: 0.008+/-0.023 χ^2/NDF: 105.9/101

- sign -0.024+/-0.031 χ^2/NDF: 56.9/52

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 126.609+/-0.027 χ^2/NDF: 3382266.7/23

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 115.262+/-0.024 χ^2/NDF: 5261717.0/29

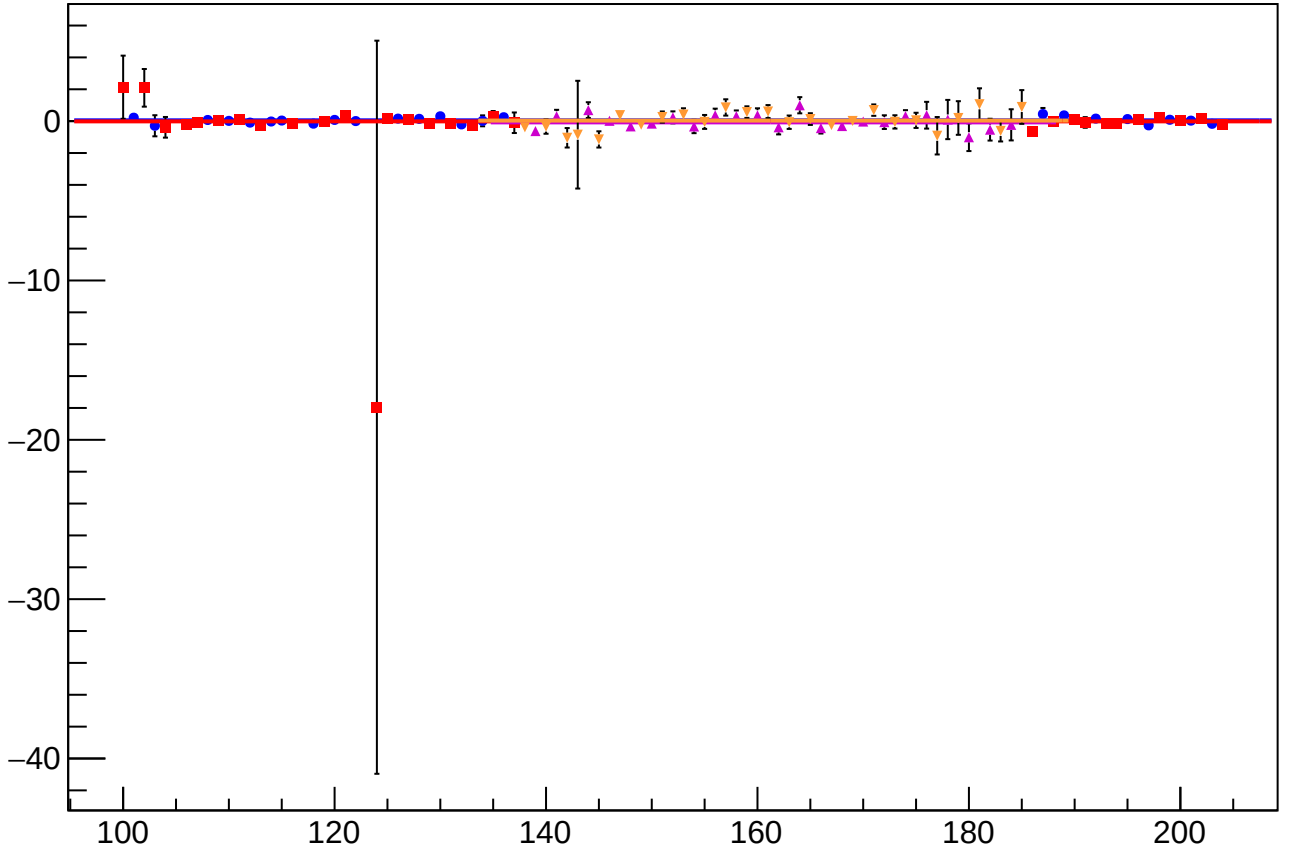
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 161.545+/-0.024 χ^2/NDF: 18371961.7/48

All: 152.495+/-0.016 χ^2/NDF: 38403462.4/10

- sign 145.237+/-0.022 χ^2/NDF: 19781490.8/52

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.051+/-0.038 χ^2/NDF: 16.8/23

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.014+/-0.034 χ^2/NDF: 32.2/29

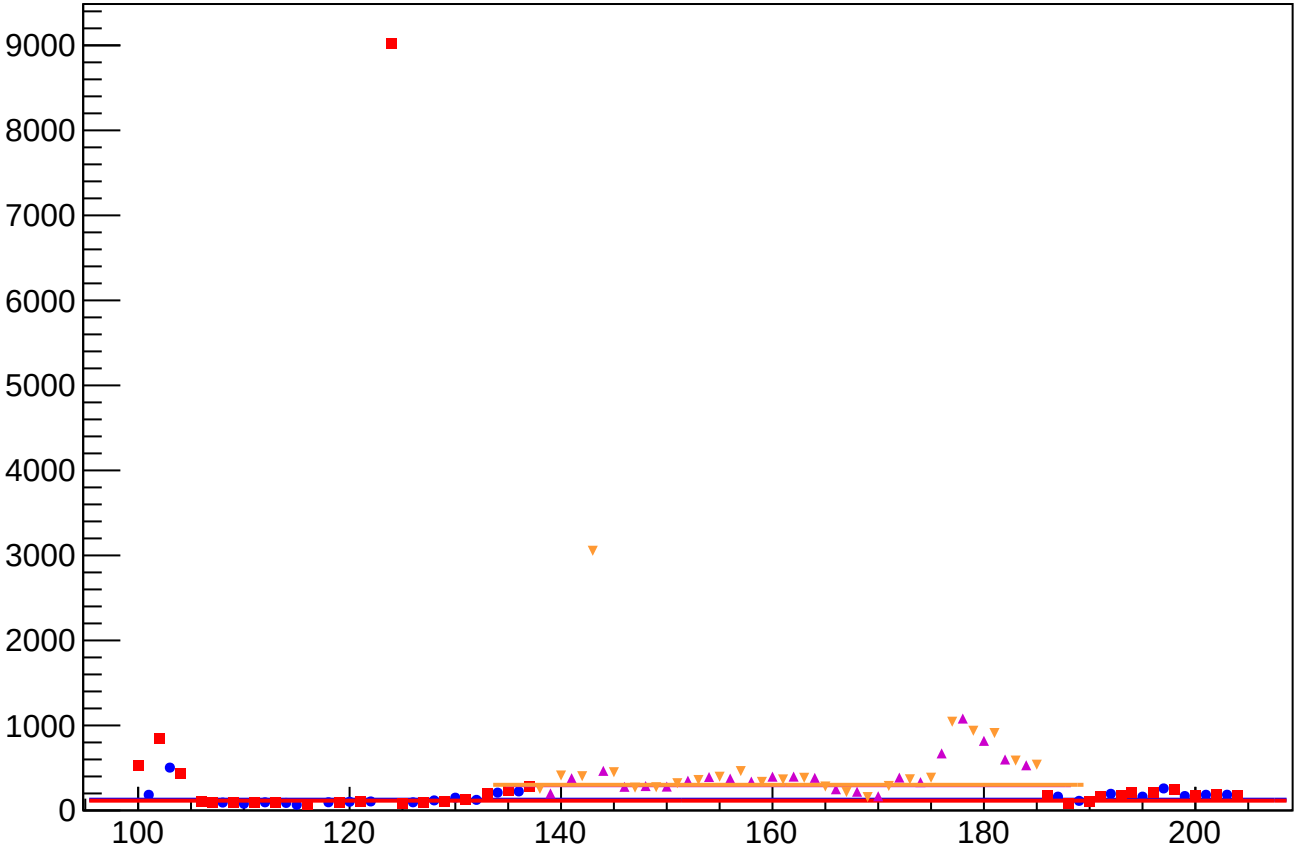
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.048+/-0.034 χ^2/NDF: 46.5/48

All: 0.008+/-0.023 χ^2/NDF: 105.9/101

- sign -0.024+/-0.031 χ^2/NDF: 56.9/52

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 126.609+/-0.027 χ^2/NDF: 3382266.7/23

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

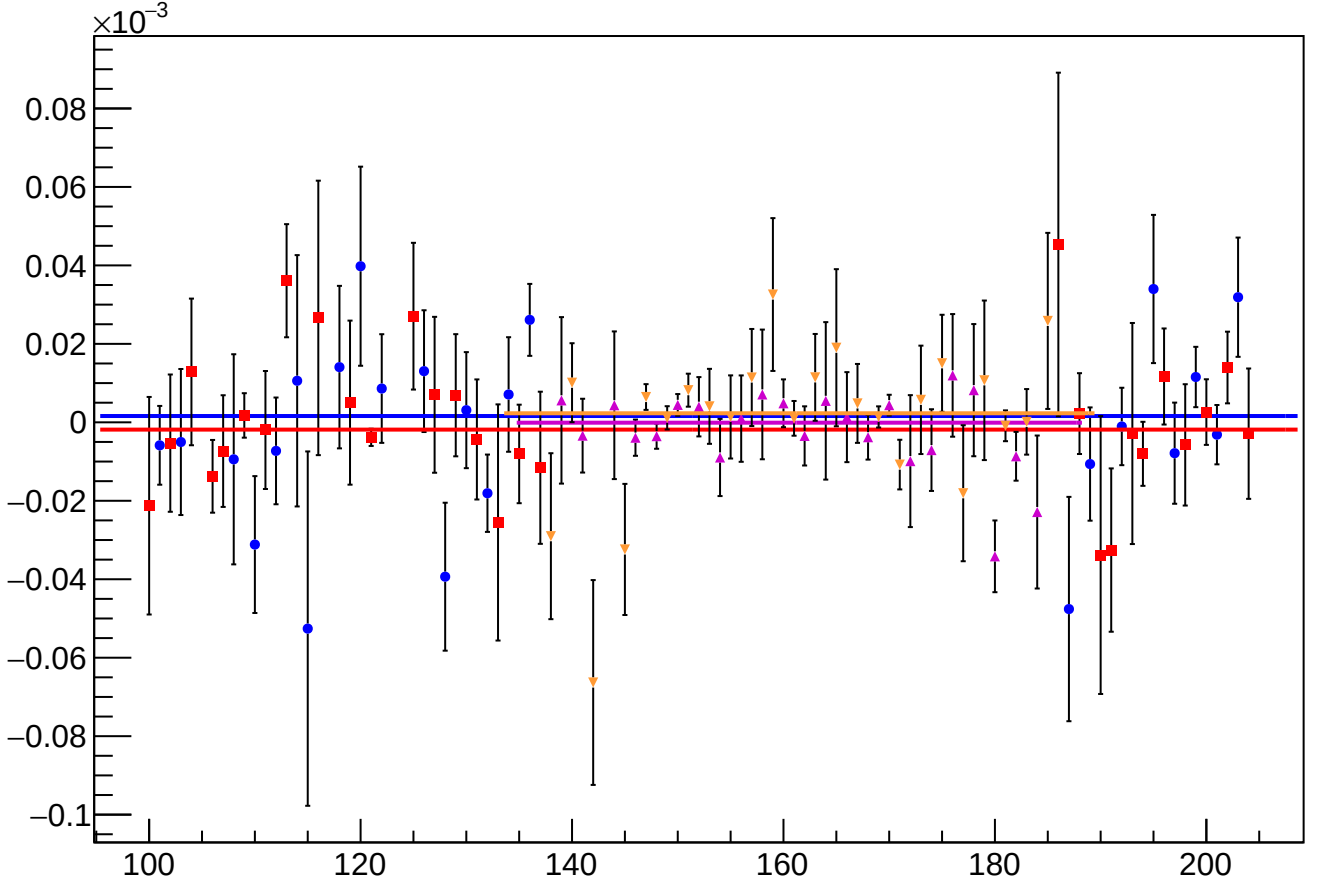
Right Out: 115.262+/-0.024 χ^2/NDF: 5261717.0/29

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 161.545+/-0.024 χ^2/NDF: 18371961.7/48

All: 152.495+/-0.016 χ^2/NDF: 38403462.4/10

- sign 145.237+/-0.022 χ^2/NDF: 19781490.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 39.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

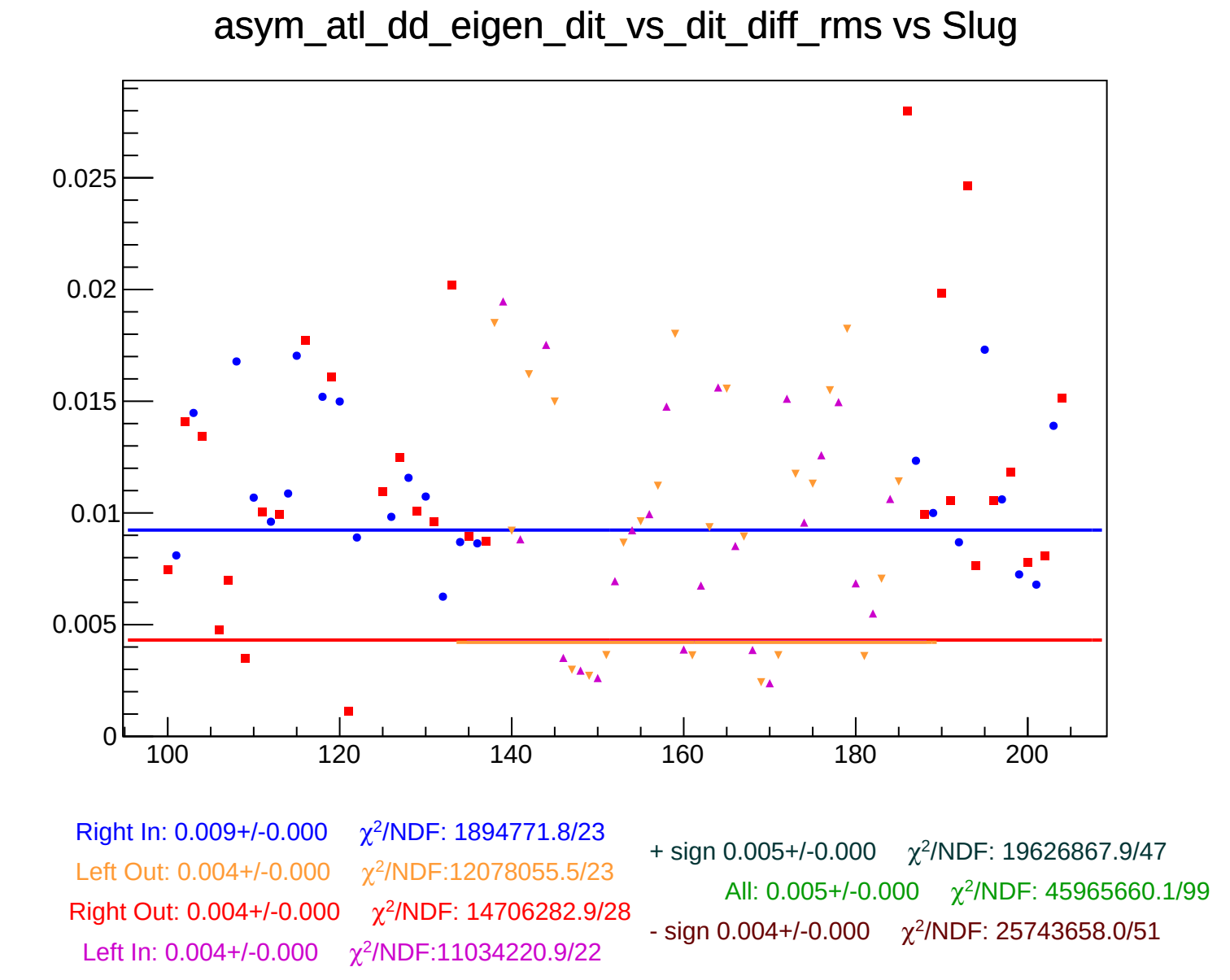
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/28

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

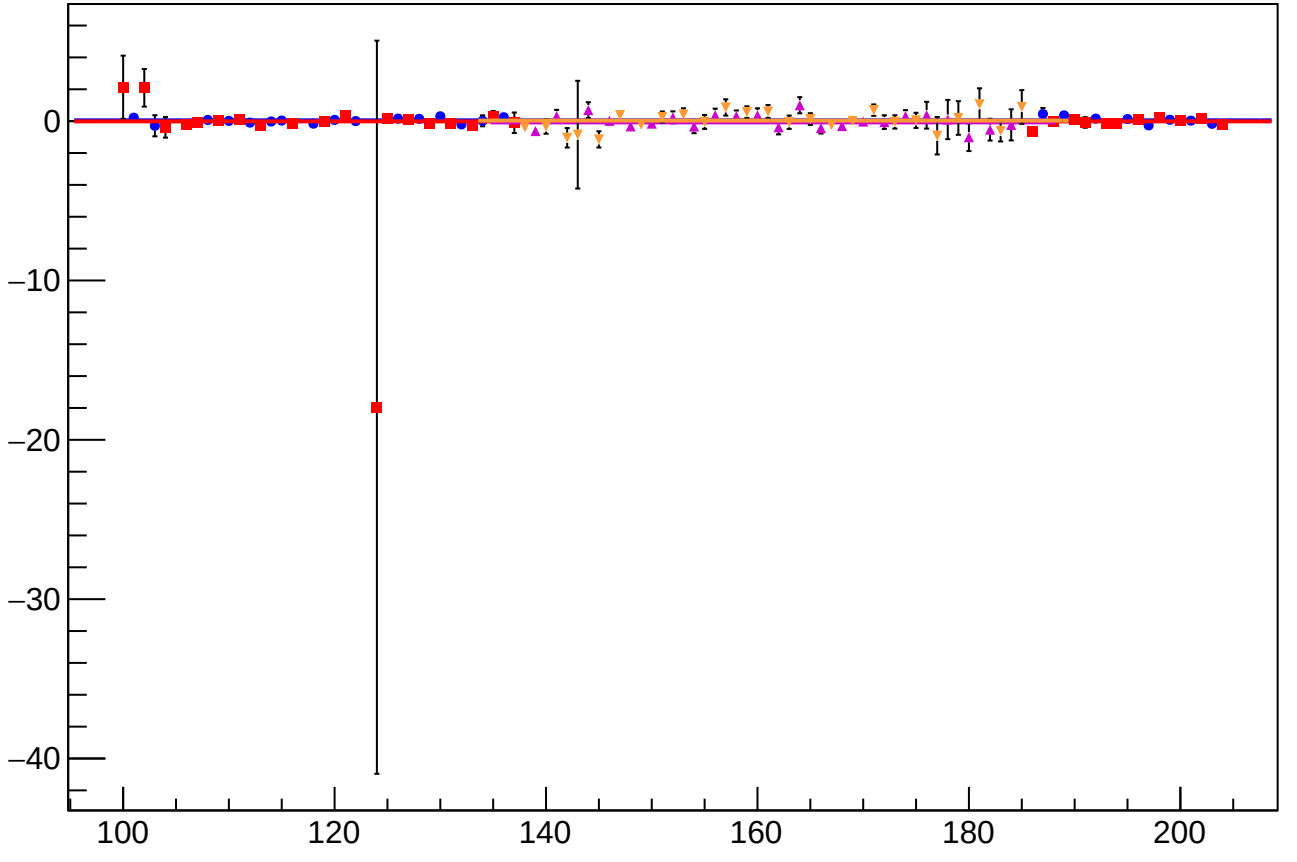
+ sign 0.000+/-0.000 χ^2/NDF: 70.2/47

All: 0.000+/-0.000 χ^2/NDF: 129.1/99

- sign -0.000+/-0.000 χ^2/NDF: 55.2/51


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: 1894771.8/23
Left Out: 0.004+/-0.000 χ²/NDF:12078055.5/23
Right Out: 0.004+/-0.000 χ²/NDF: 14706282.9/28
Left In: 0.004+/-0.000 χ²/NDF:11034220.9/22
+ sign 0.005+/-0.000 χ²/NDF: 19626867.9/47
All: 0.005+/-0.000 χ²/NDF: 45965660.1/99
- sign 0.004+/-0.000 χ²/NDF: 25743658.0/51

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.051+/-0.038 χ^2/NDF: 16.8/23

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.014+/-0.034 χ^2/NDF: 32.2/29

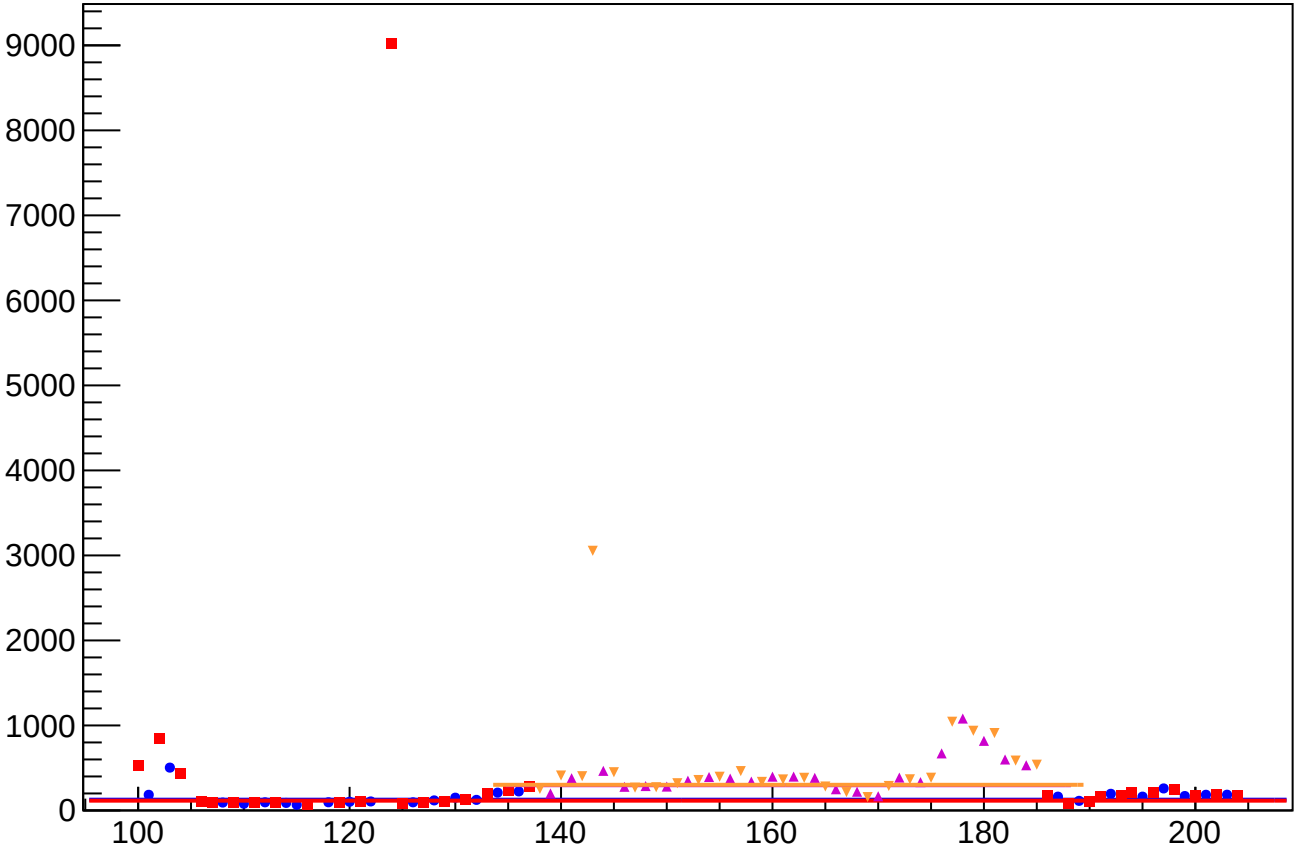
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.048+/-0.034 χ^2/NDF: 46.5/48

All: 0.008+/-0.023 χ^2/NDF: 105.9/101

- sign -0.024+/-0.031 χ^2/NDF: 56.9/52

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 126.609+/-0.027 χ^2/NDF: 3382231.1/23

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

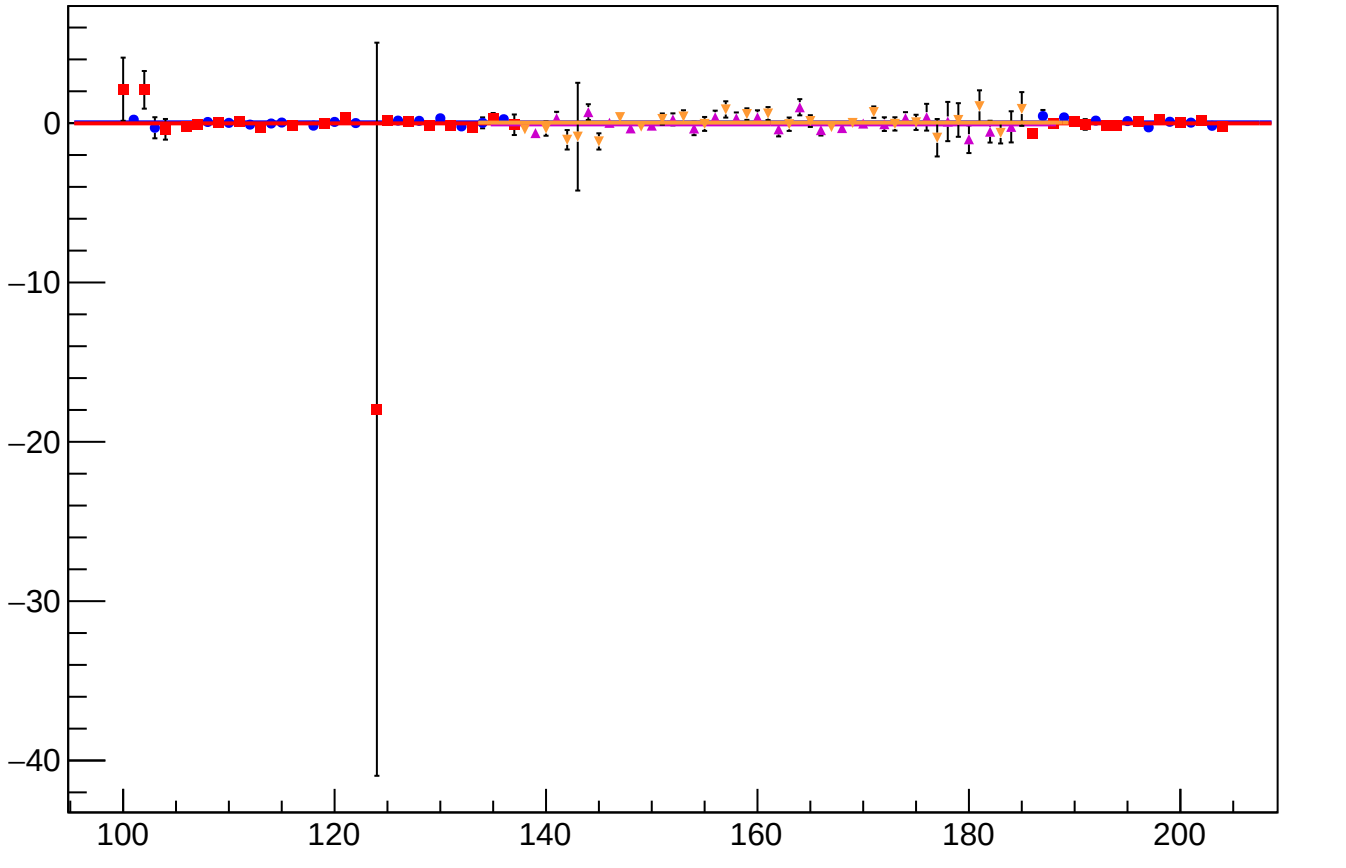
Right Out: 115.262+/-0.024 χ^2/NDF: 5261601.7/29

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 161.546+/-0.024 χ^2/NDF: 18372027.1/48

All: 152.495+/-0.016 χ^2/NDF: 38403446.2/10

- sign 145.238+/-0.022 χ^2/NDF: 19781424.9/52



Right In: 0.051+/-0.038 χ^2/NDF: 16.8/23

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

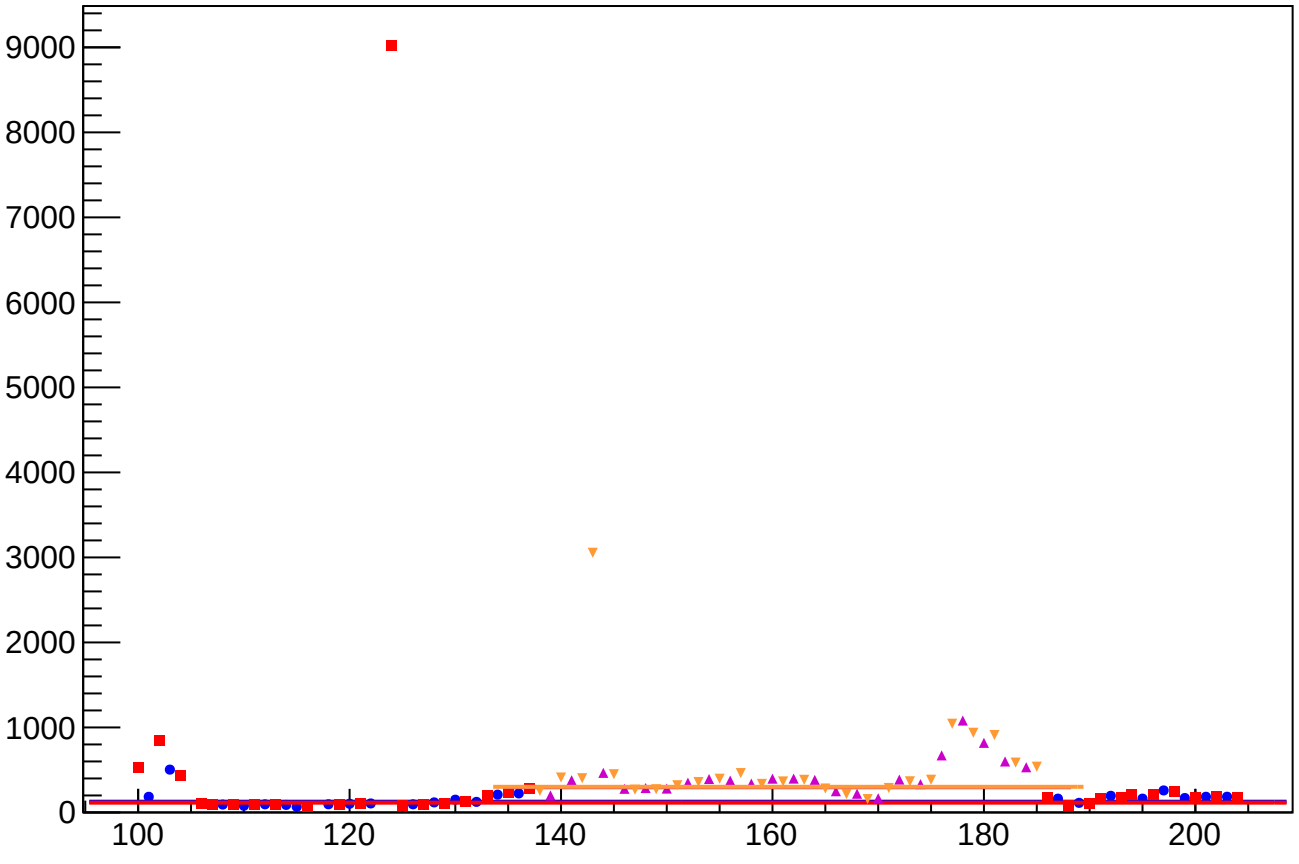
Right Out: -0.014+/-0.034 χ^2/NDF: 32.2/29

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.048+/-0.034 χ^2/NDF: 46.5/48

All: 0.008+/-0.023 χ^2/NDF: 105.9/101

- sign -0.024+/-0.031 χ^2/NDF: 56.9/52



Right In: 126.609+/-0.027 χ^2/NDF: 3382231.1/23

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

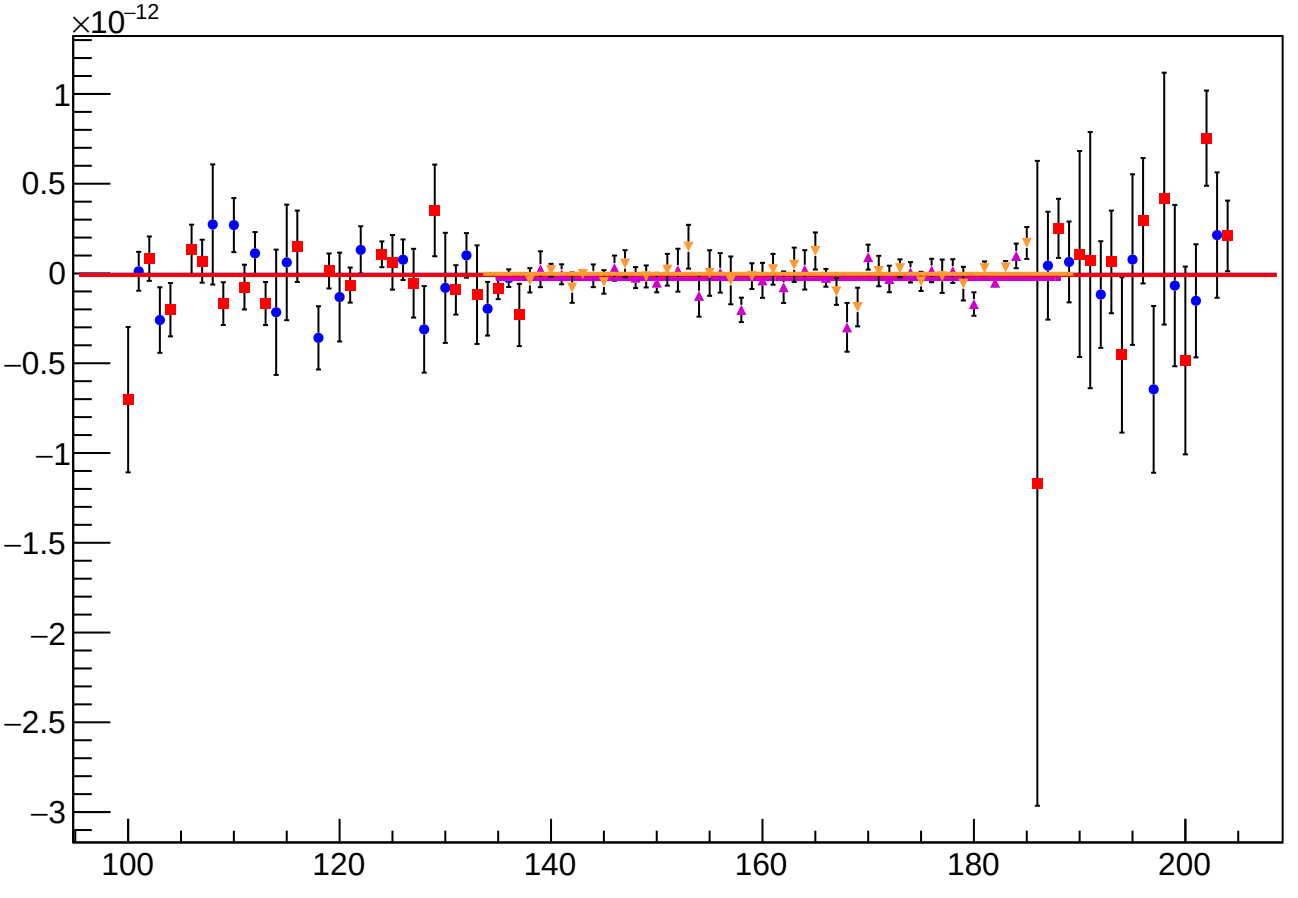
Right Out: 115.262+/-0.024 χ^2/NDF: 5261601.7/29

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 161.546+/-0.024 χ^2/NDF: 18372027.1/48

All: 152.495+/-0.016 χ^2/NDF: 38403446.2/10

- sign 145.238+/-0.022 χ^2/NDF: 19781424.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/29

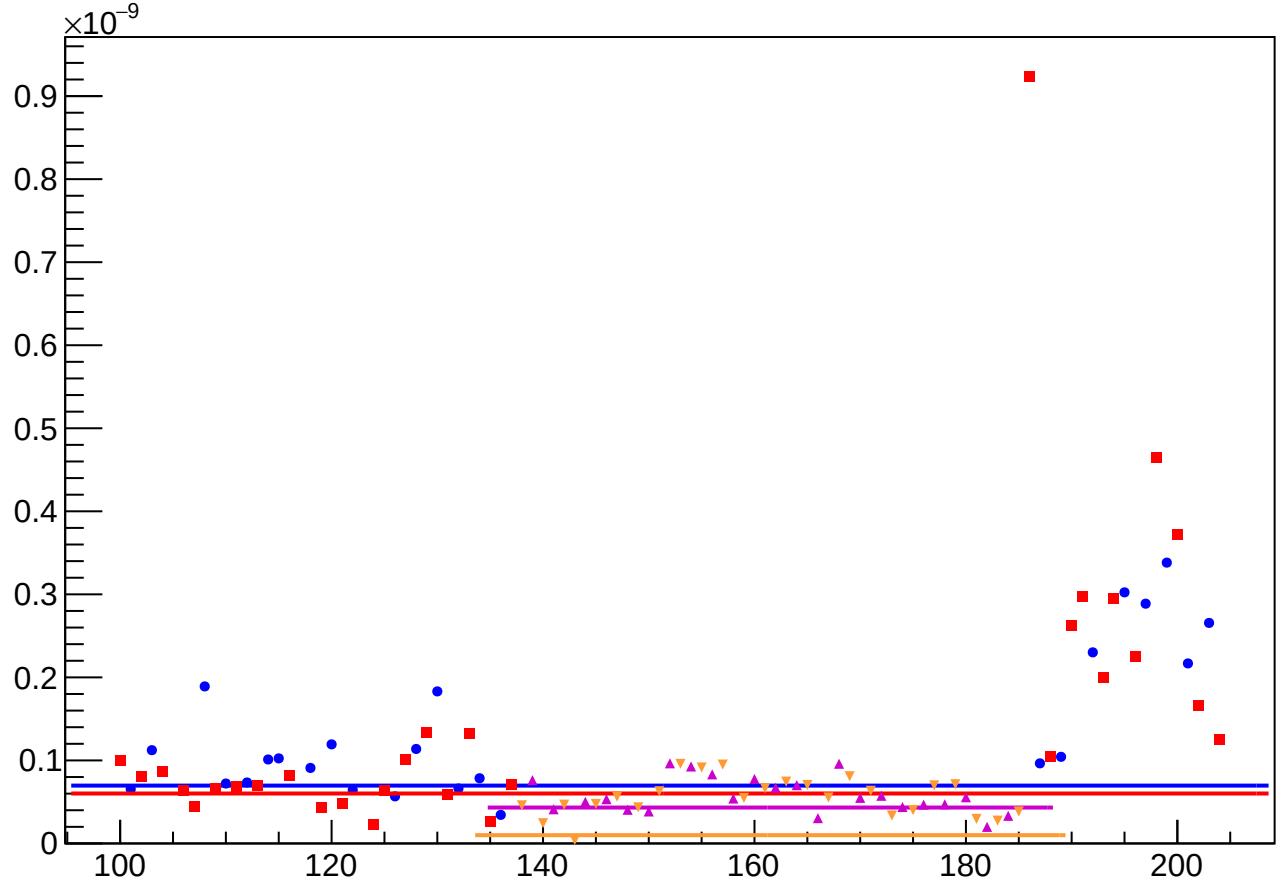
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.1/48

All: -0.000+/-0.000 χ^2/NDF: 104.3/101

- sign -0.000+/-0.000 χ^2/NDF: 62.6/52

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5270601.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6406258.0/29

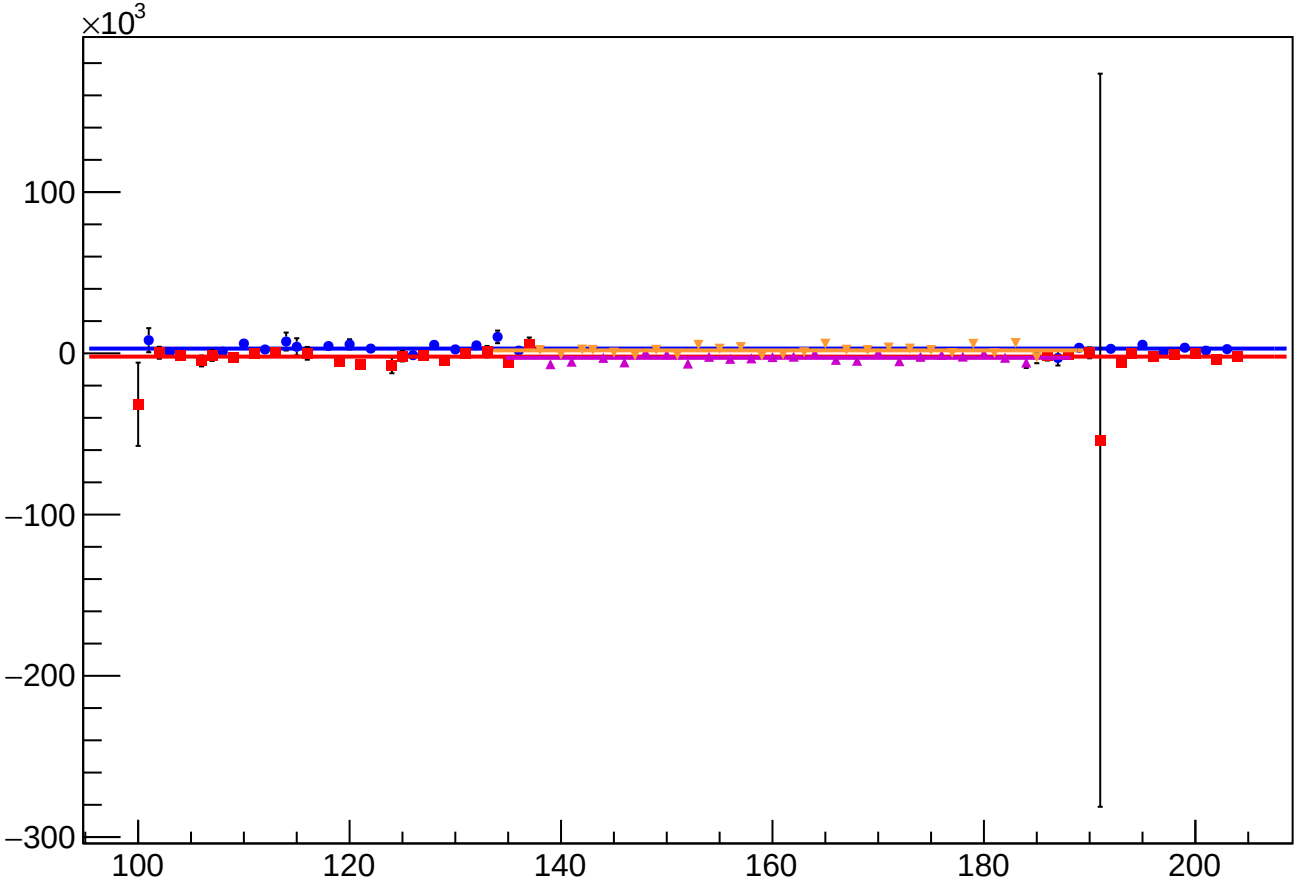
Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 31179709.8/48

All: 0.000+/-0.000 χ^2/NDF: 57145538.4/101

- sign 0.000+/-0.000 χ^2/NDF: 11121340.8/52

reg_asym_atr_avg_mean vs Slug



Right In: 2951.999+/-543.099 χ^2/NDF: 16.3/23

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -2028.655+/-506.011 χ^2/NDF: 22.4/29

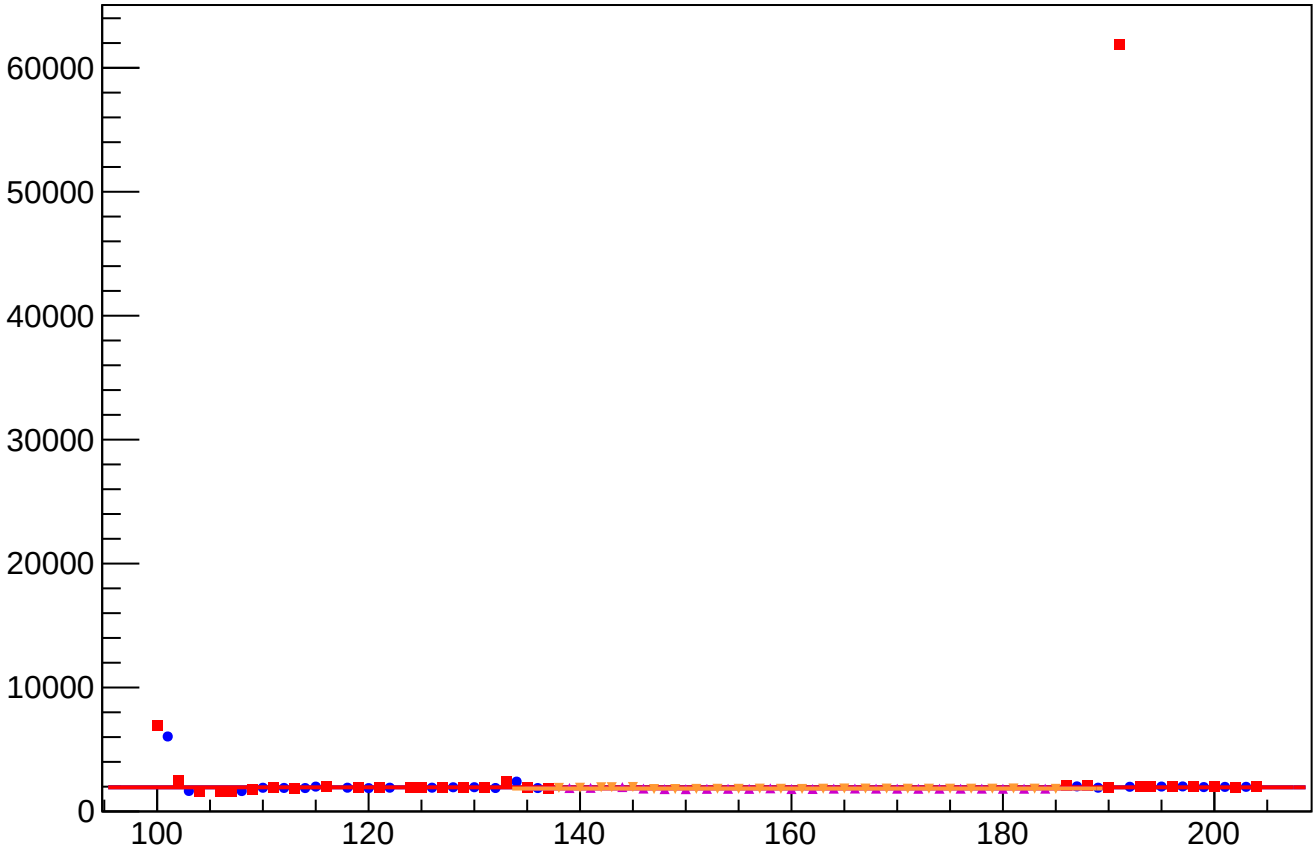
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2263.669+/-332.244 χ^2/NDF: 50.4/48

All: -129.033+/-233.436 χ^2/NDF: 201.9/101

- sign -2461.750+/-328.053 χ^2/NDF: 49.1/52

reg_asym_atr_avg_rms vs Slug



Right In: 1949.251+/-0.384 χ^2/NDF: 706958.7/23

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1946.688+/-0.357 χ^2/NDF: 404947.0/29

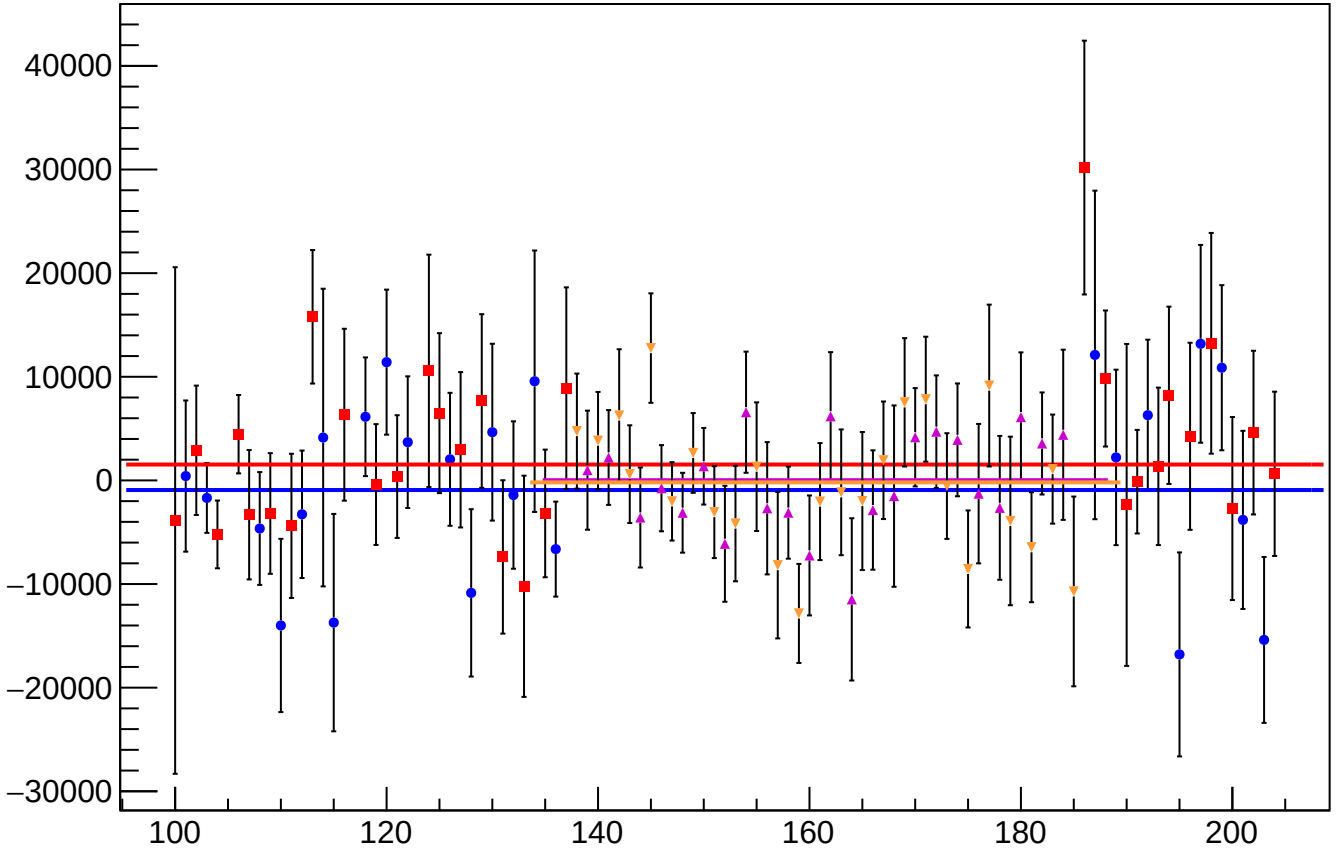
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1886.219+/-0.235 χ^2/NDF: 770896.9/48

All: 1887.052+/-0.165 χ^2/NDF: 1236756.1/10

- sign 1887.863+/-0.232 χ^2/NDF: 465834.4/52

asym_atr_avg_reg_correction_mean vs Slug



Right In: -928.386+/-1413.106 χ^2/NDF: 26.5/23

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 1532.579+/-1235.747 χ^2/NDF: 27.3/29

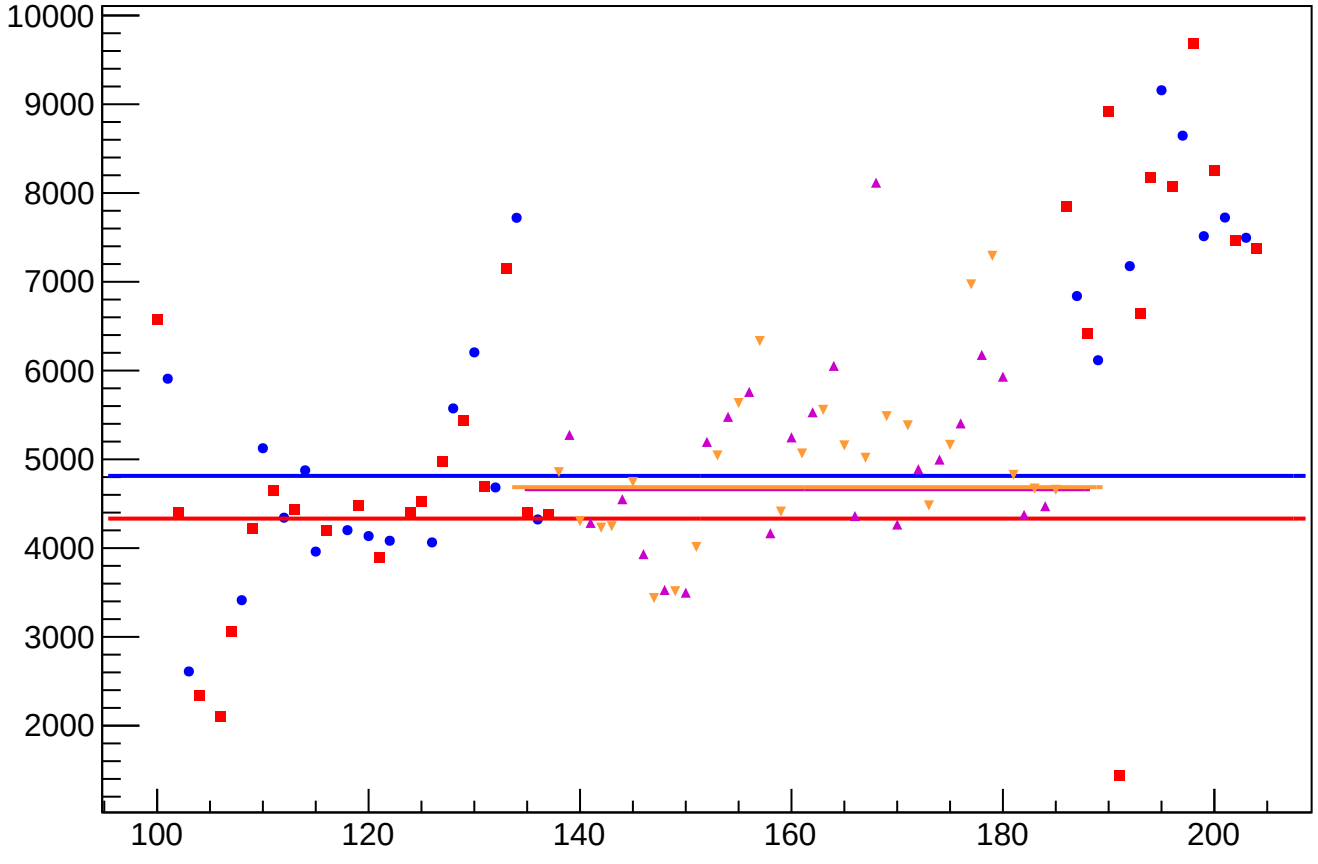
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -464.665+/-862.389 χ^2/NDF: 55.6/48

All: 140.520+/-596.834 χ^2/NDF: 98.4/101

- sign 696.834+/-826.836 χ^2/NDF: 41.9/52

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4813.536+/-0.999 χ^2/NDF: 3040266.2/23

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4332.629+/-0.874 χ^2/NDF: 5403934.5/29

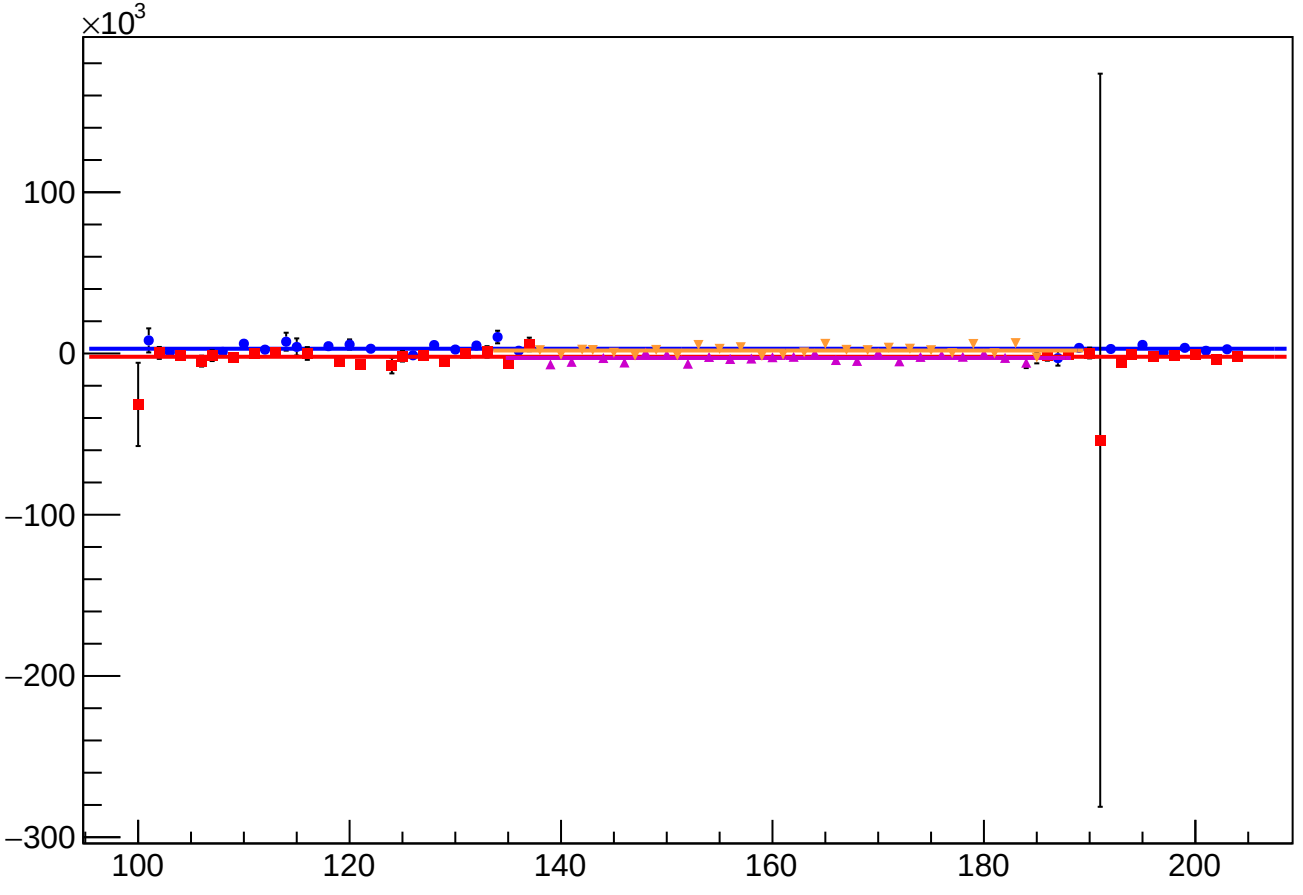
Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4733.721+/-0.610 χ^2/NDF: 4235496.9/48

All: 4619.887+/-0.422 χ^2/NDF: 11072119.2/1

- sign 4515.245+/-0.585 χ^2/NDF: 6769741.7/52

cor_asym_atr_avg_mean vs Slug



Right In: 2951.706+/-543.099 χ^2/NDF: 16.3/23

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2029.186+/-506.012 χ^2/NDF: 22.4/29

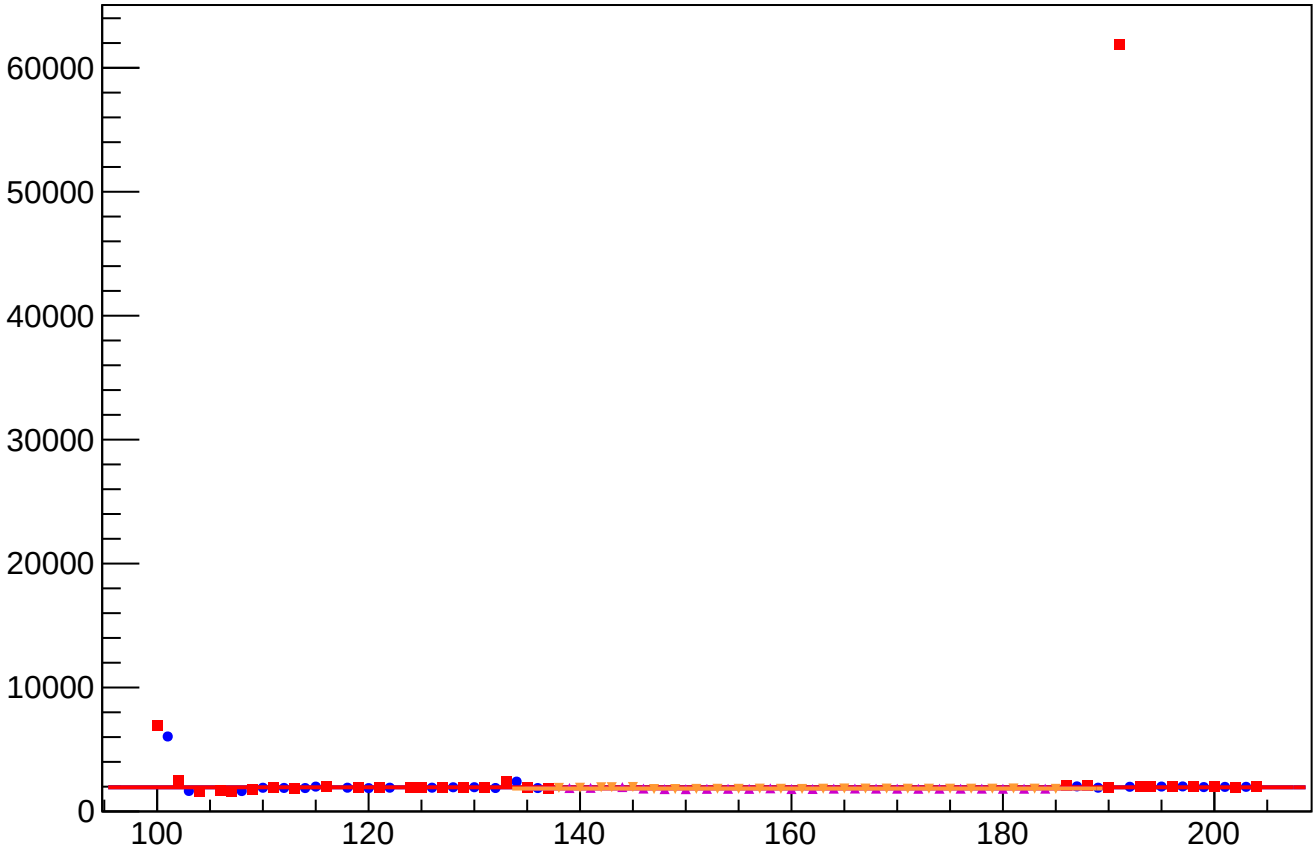
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2263.490+/-332.244 χ^2/NDF: 50.4/48

All: -129.226+/-233.436 χ^2/NDF: 201.9/101

- sign -2461.961+/-328.054 χ^2/NDF: 49.1/52

cor_asym_atr_avg_rms vs Slug



Right In: 1949.252+/-0.384 χ^2/NDF: 706957.8/23

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1948.818+/-0.358 χ^2/NDF: 396684.6/29

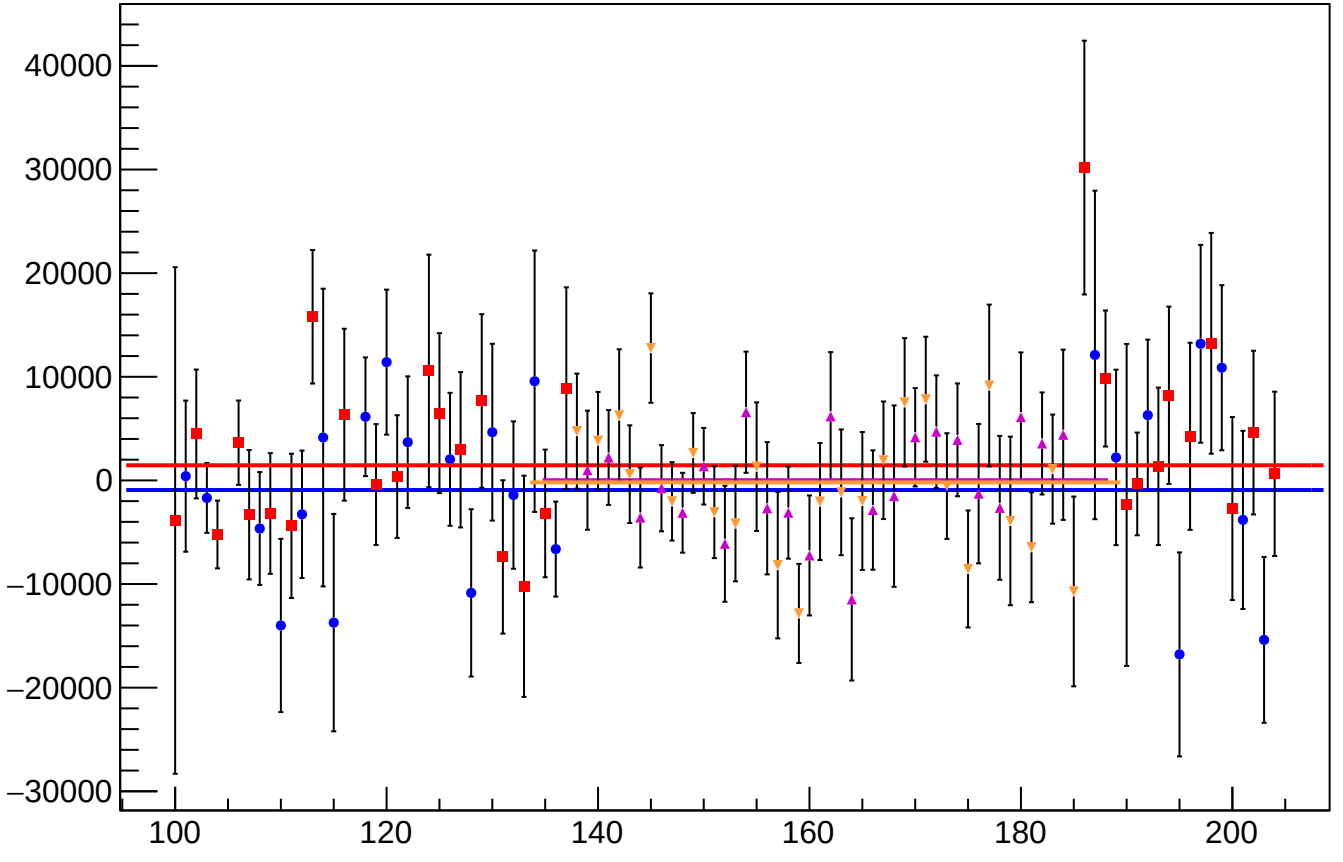
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1886.219+/-0.235 χ^2/NDF: 770896.1/48

All: 1887.482+/-0.165 χ^2/NDF: 1230455.3/10

- sign 1888.711+/-0.232 χ^2/NDF: 459502.2/52

asym_atr_avg_cor_correction_mean vs Slug



Right In: -928.628+/-1413.108 χ^2/NDF: 26.5/23

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1460.596+/-1244.008 χ^2/NDF: 27.2/29

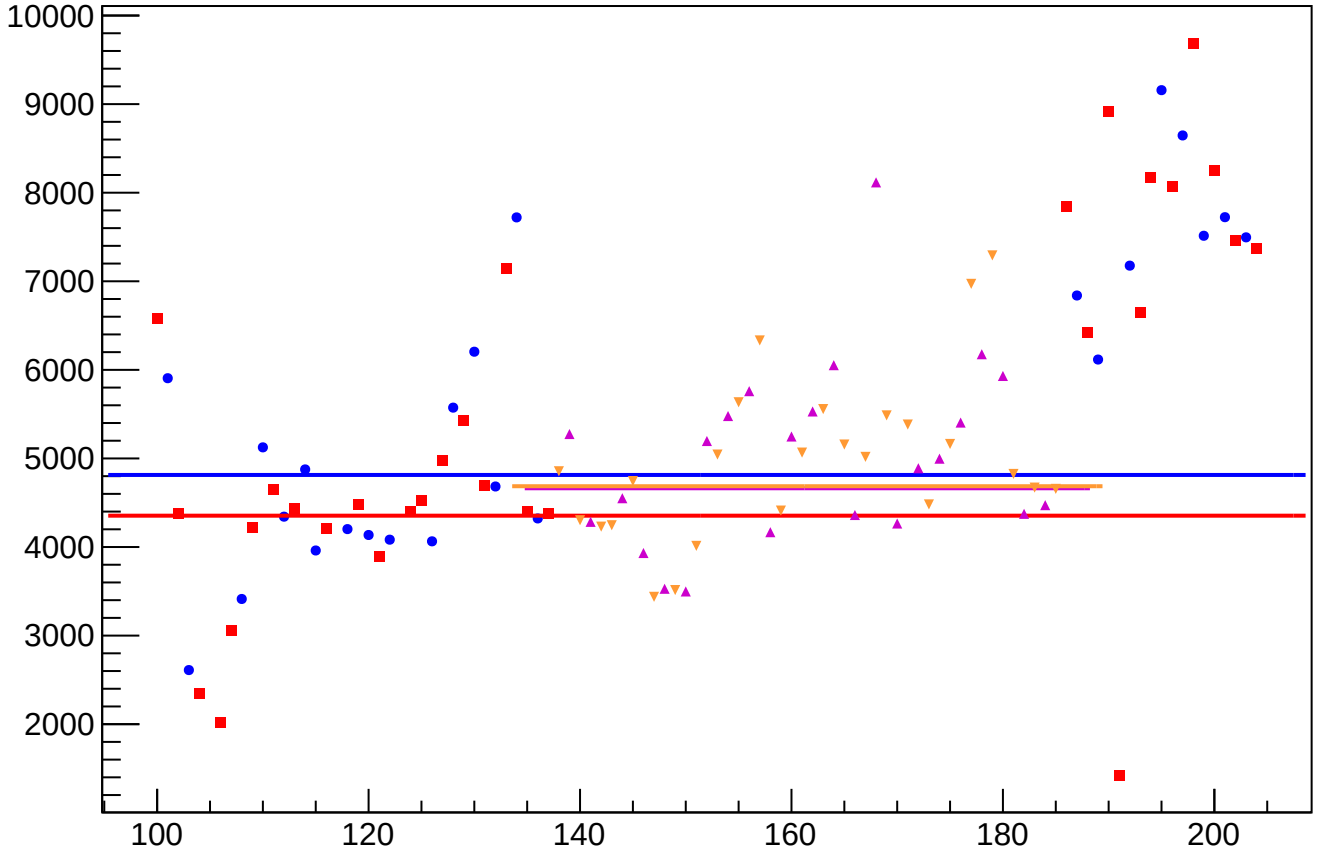
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -464.772+/-862.389 χ^2/NDF: 55.6/48

All: 119.548+/-597.758 χ^2/NDF: 98.1/101

- sign 659.885+/-829.297 χ^2/NDF: 41.7/52

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4813.612+/-0.999 χ^2/NDF: 3039664.8/23

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4353.865+/-0.880 χ^2/NDF: 5367644.5/29

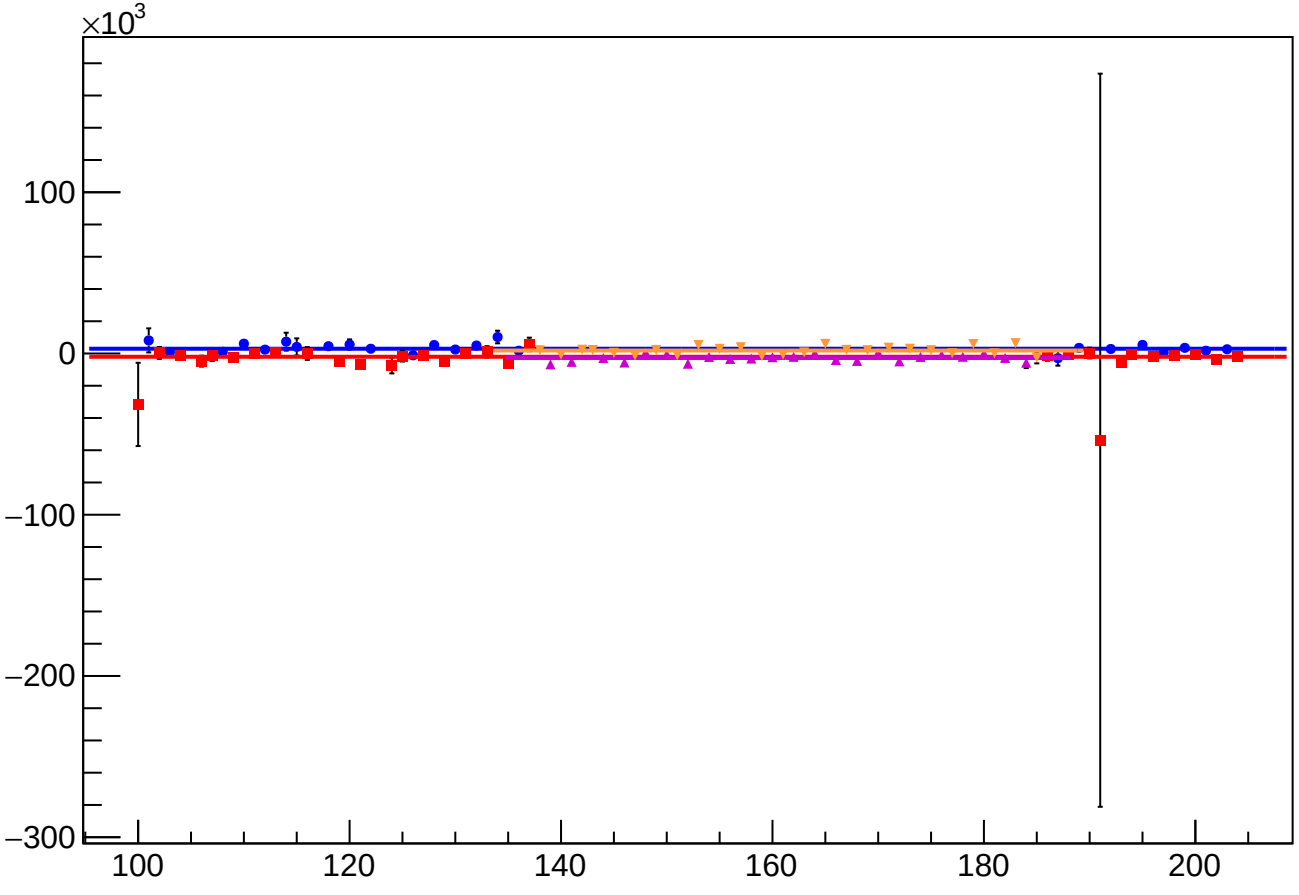
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4733.745+/-0.610 χ^2/NDF: 4234934.0/48

All: 4625.691+/-0.423 χ^2/NDF: 11018473.7/1

- sign 4525.772+/-0.586 χ^2/NDF: 6723107.5/52

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 2951.706+/-543.099 χ^2/NDF: 16.3/23

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2029.186+/-506.012 χ^2/NDF: 22.4/29

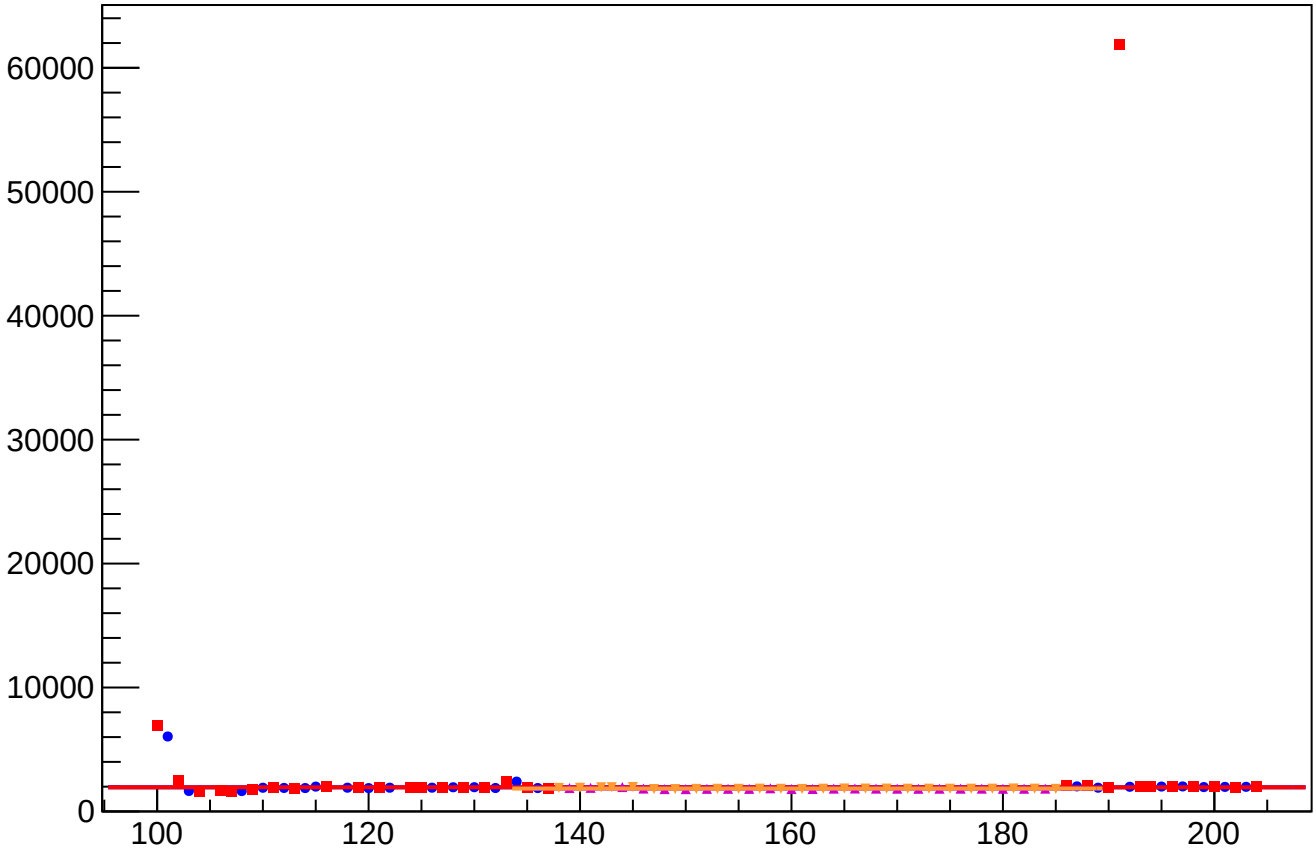
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2263.490+/-332.244 χ^2/NDF: 50.4/48

All: -129.226+/-233.436 χ^2/NDF: 201.9/101

- sign -2461.961+/-328.054 χ^2/NDF: 49.1/52

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1949.252+/-0.384 χ^2/NDF: 706957.8/23

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1948.818+/-0.358 χ^2/NDF: 396684.6/29

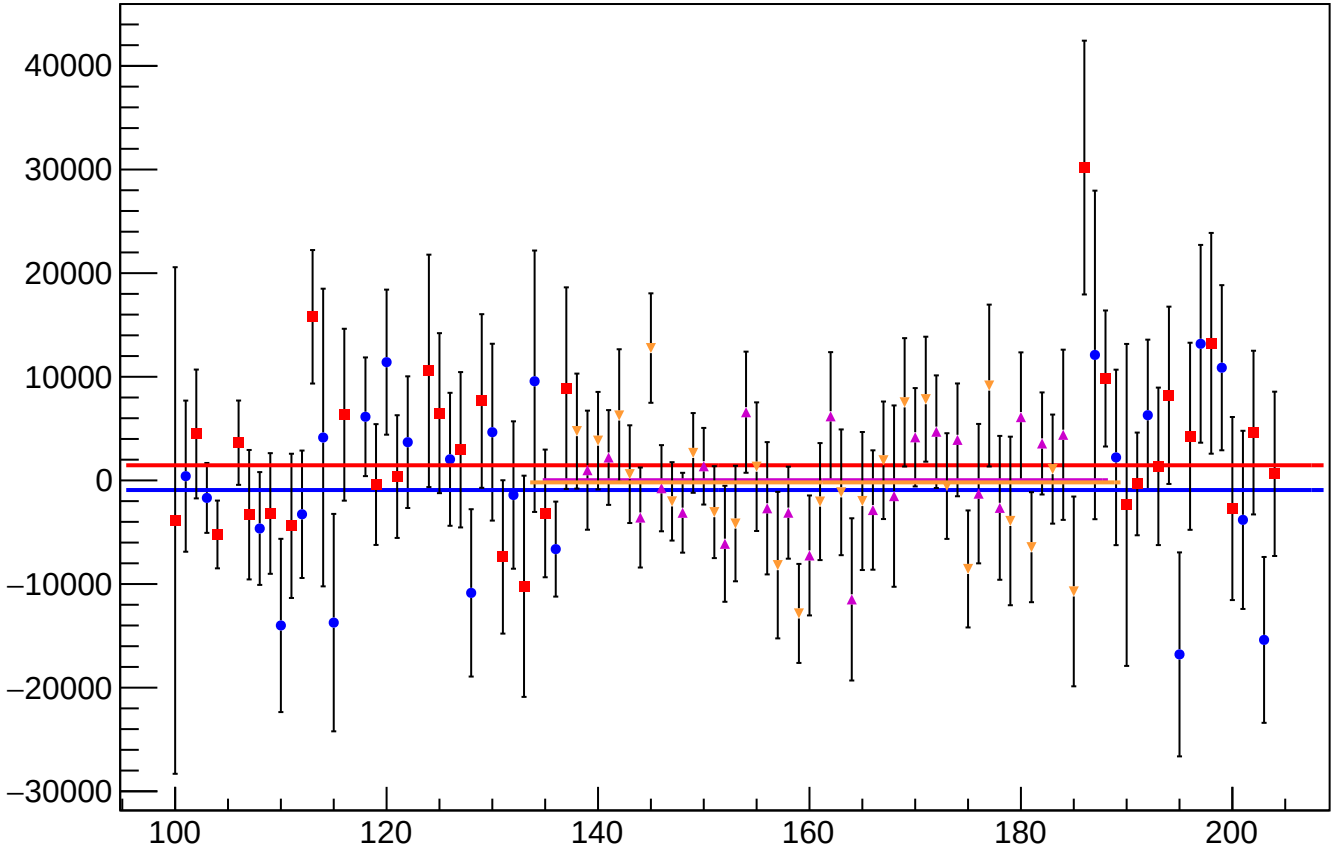
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1886.219+/-0.235 χ^2/NDF: 770896.1/48

All: 1887.482+/-0.165 χ^2/NDF: 1230455.3/10

- sign 1888.711+/-0.232 χ^2/NDF: 459502.2/52

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -928.628+/-1413.108 χ^2/NDF: 26.5/23

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1460.596+/-1244.008 χ^2/NDF: 27.2/29

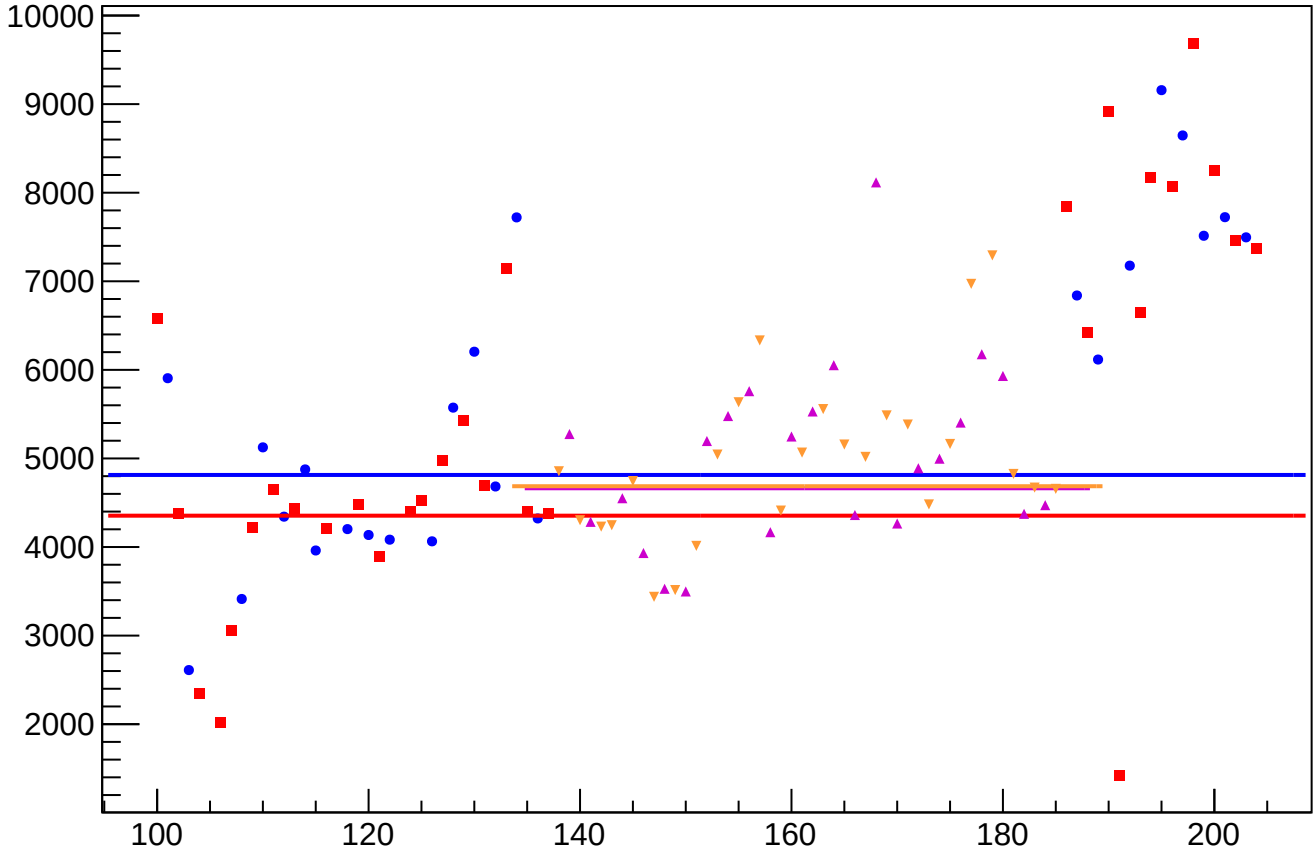
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -464.772+/-862.389 χ^2/NDF: 55.6/48

All: 119.548+/-597.758 χ^2/NDF: 98.1/101

- sign 659.885+/-829.297 χ^2/NDF: 41.7/52

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4813.612+/-0.999 χ^2/NDF: 3039664.8/23

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

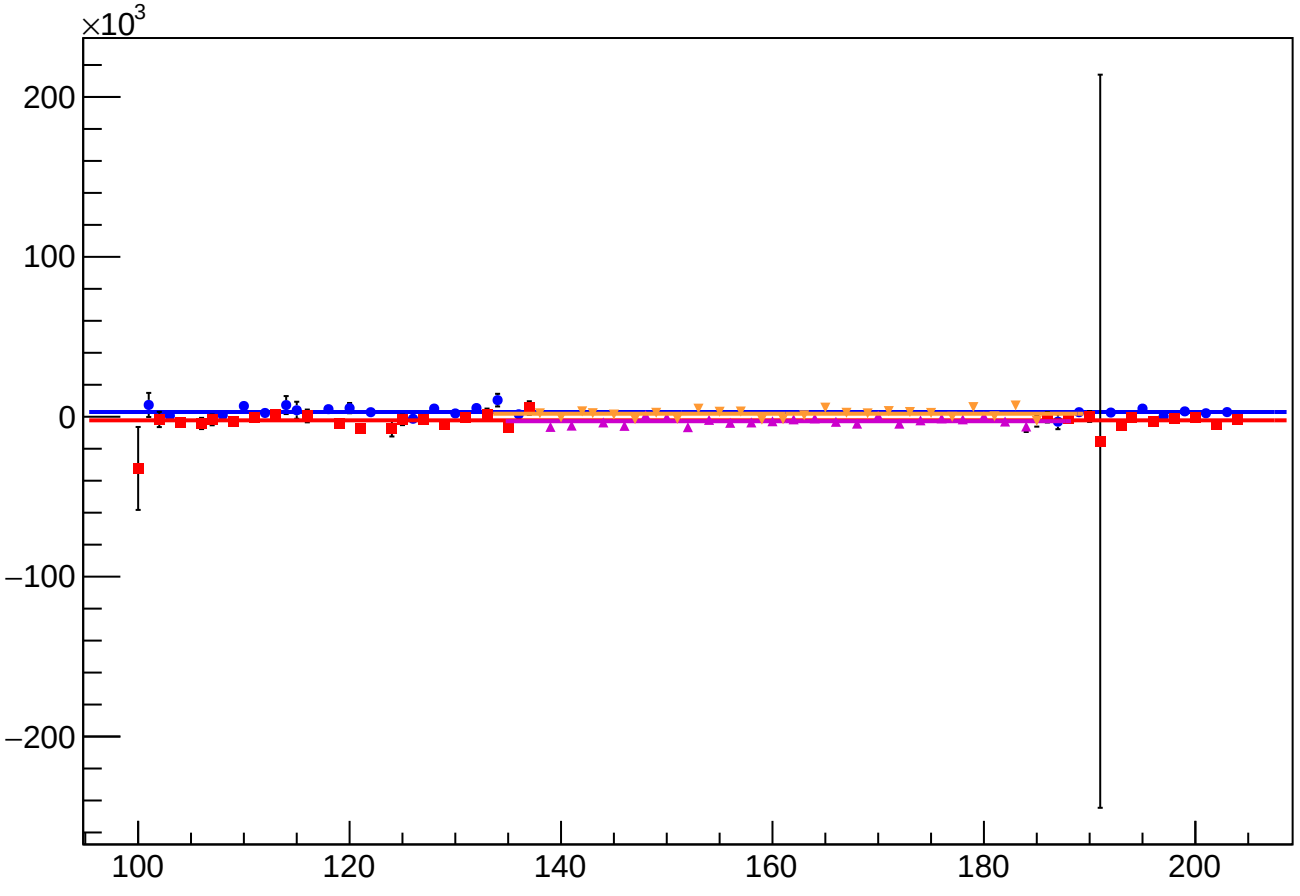
Right Out: 4353.865+/-0.880 χ^2/NDF: 5367644.5/29

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4733.745+/-0.610 χ^2/NDF: 4234934.0/48

All: 4625.691+/-0.423 χ^2/NDF: 11018473.7/1

- sign 4525.772+/-0.586 χ^2/NDF: 6723107.5/52



Right In: 2969.064+/-555.776 χ^2/NDF: 16.5/23

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2238.946+/-518.195 χ^2/NDF: 23.4/29

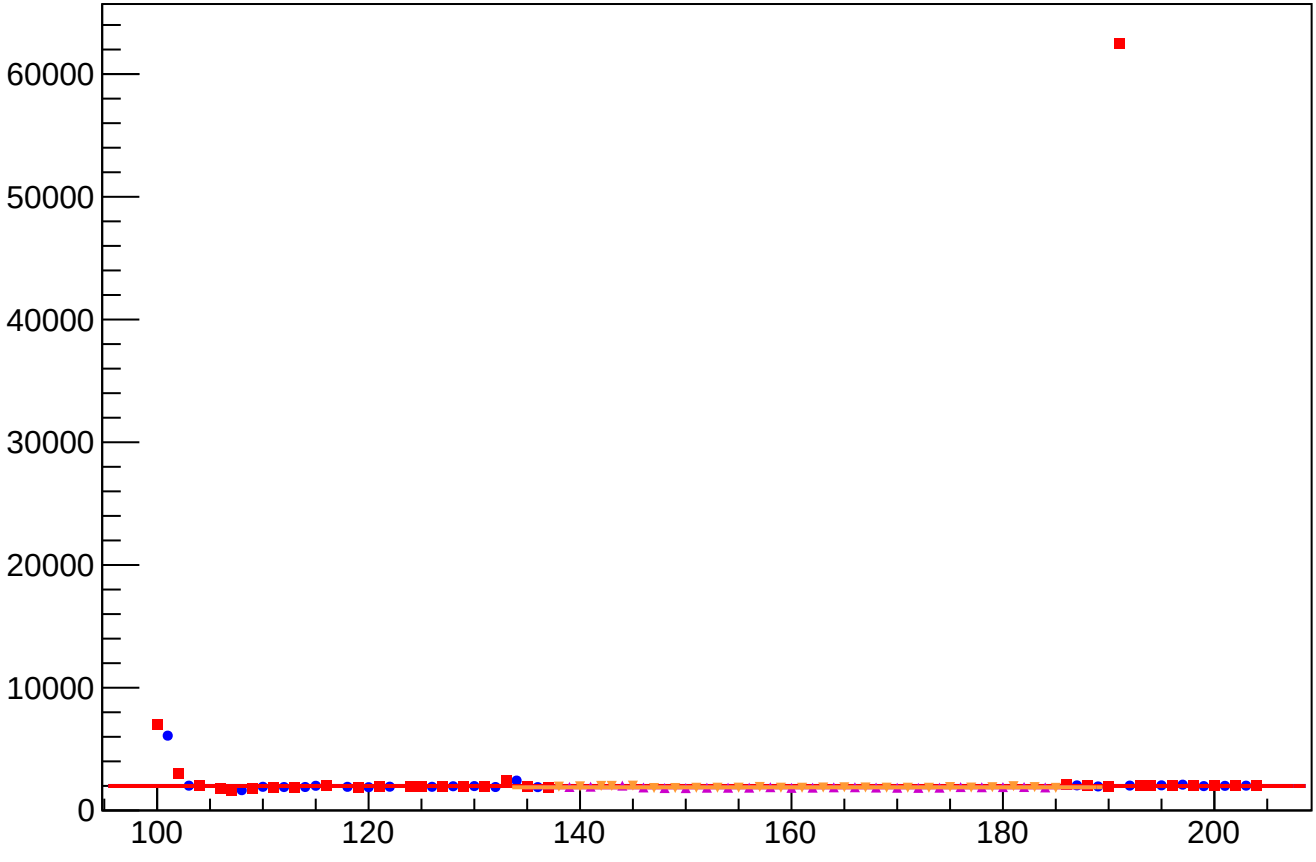
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2287.174+/-339.588 χ^2/NDF: 51.9/48

All: -171.220+/-238.509 χ^2/NDF: 204.8/101

- sign -2564.521+/-335.063 χ^2/NDF: 49.5/52

dit_asym_atr_avg_rms vs Slug



Right In: 1995.784+/-0.393 χ^2/NDF: 673552.7/23

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1991.631+/-0.366 χ^2/NDF: 417878.4/29

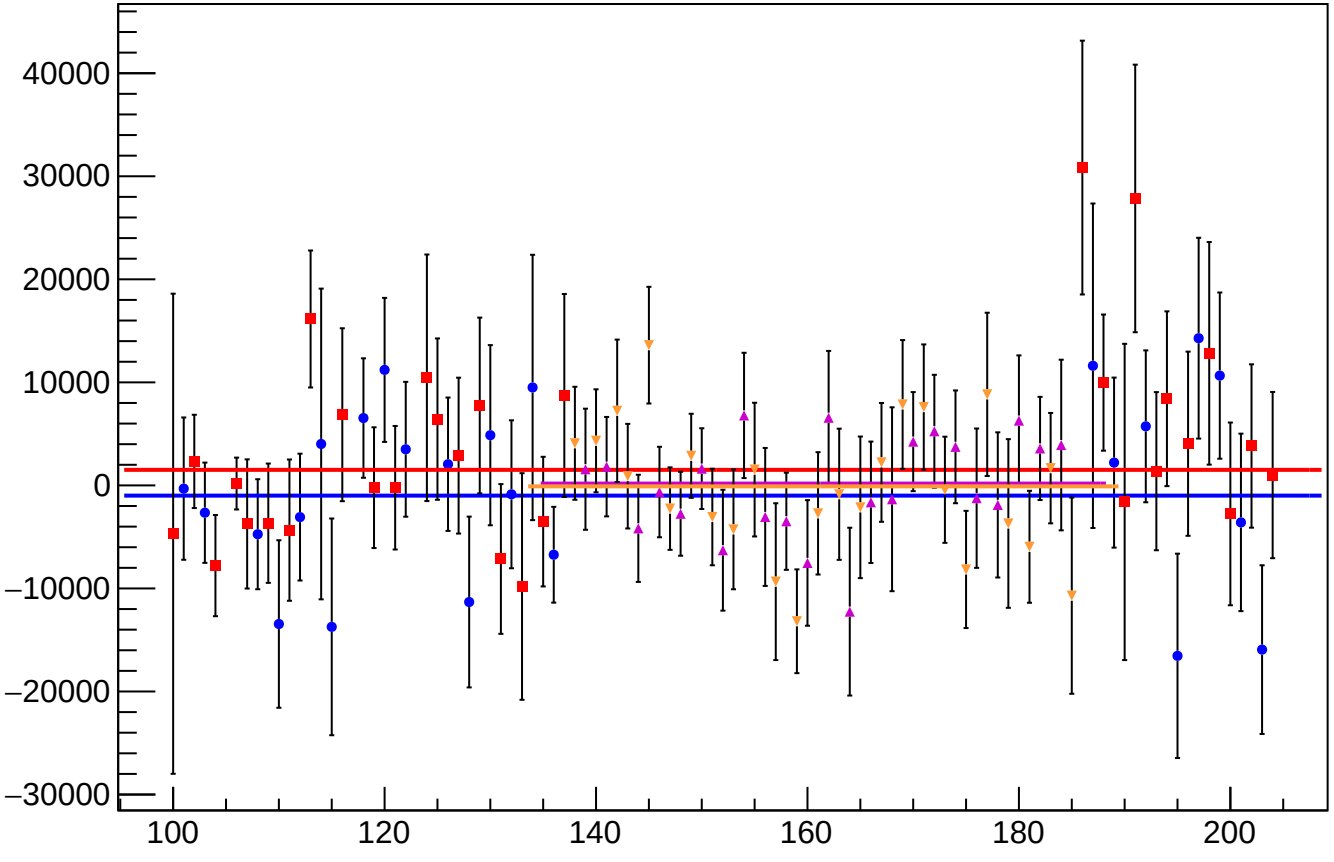
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1927.955+/-0.240 χ^2/NDF: 753045.4/48

All: 1927.486+/-0.169 χ^2/NDF: 1243450.4/10

- sign 1927.029+/-0.237 χ^2/NDF: 490397.5/52

asym_atr_avg_dit_correction_mean vs Slug



Right In: -992.100+/-1487.824 χ^2/NDF: 26.3/23

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 1508.380+/-1218.571 χ^2/NDF: 30.4/29

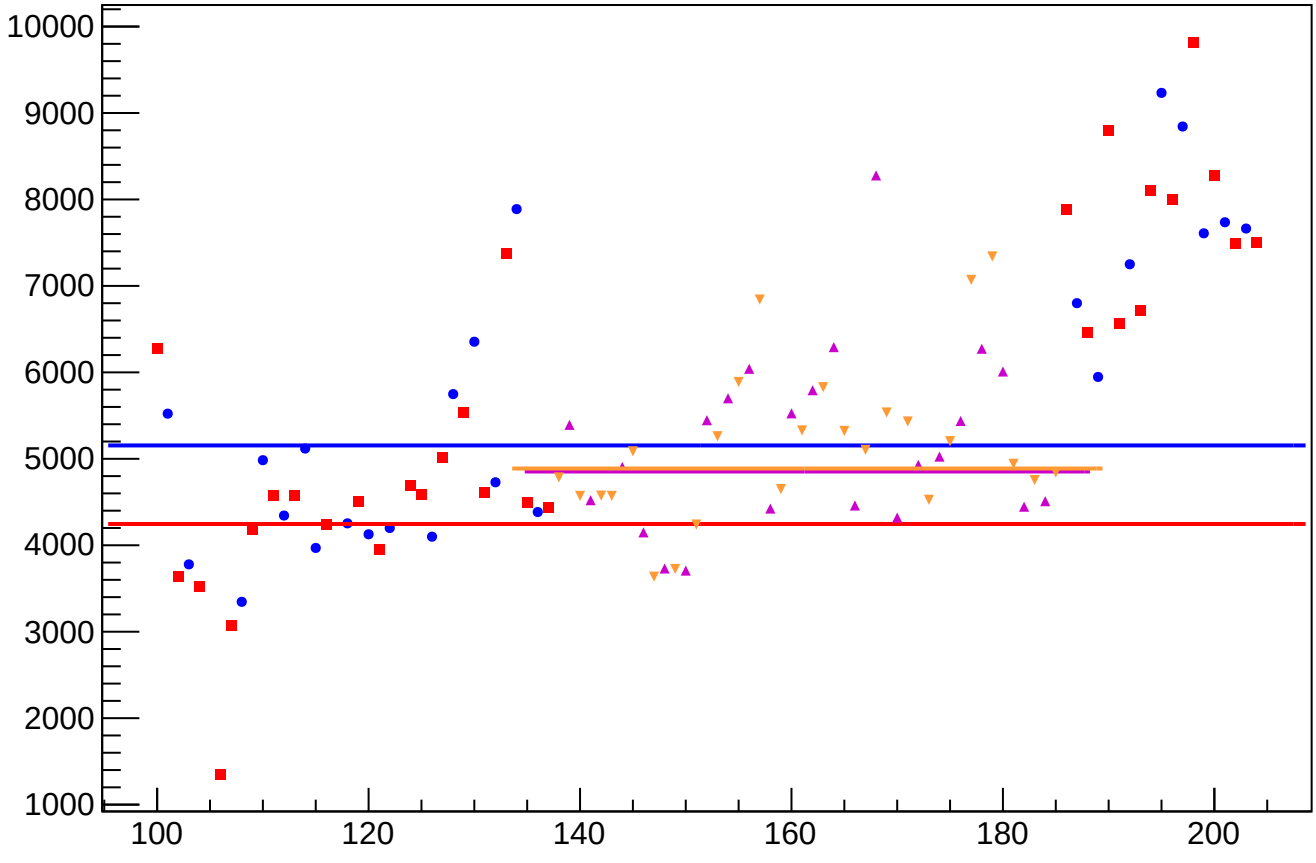
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -422.398+/-901.511 χ^2/NDF: 54.7/48

All: 237.023+/-614.051 χ^2/NDF: 100.3/101

- sign 807.739+/-838.687 χ^2/NDF: 44.6/52

asym_atr_avg_dit_correction_rms vs Slug



Right In: 5154.647+/-1.052 χ^2/NDF: 2223388.2/23

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4246.229+/-0.862 χ^2/NDF: 6304139.2/29

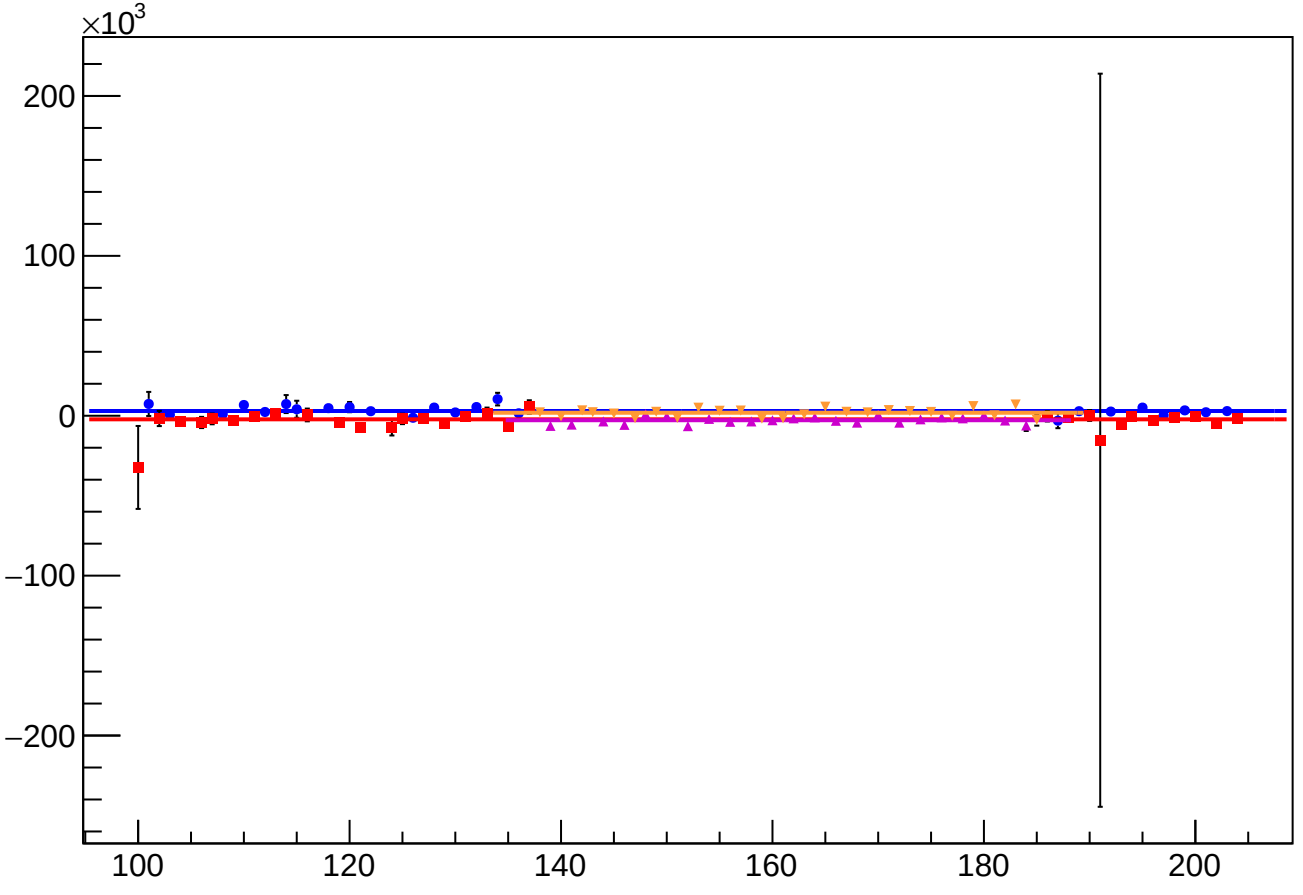
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4985.786+/-0.637 χ^2/NDF: 3327394.7/48

All: 4760.633+/-0.434 χ^2/NDF: 11304189.3/1

- sign 4565.767+/-0.593 χ^2/NDF: 7744074.1/52

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 2969.064+/-555.776 χ^2/NDF: 16.5/23

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2238.946+/-518.195 χ^2/NDF: 23.4/29

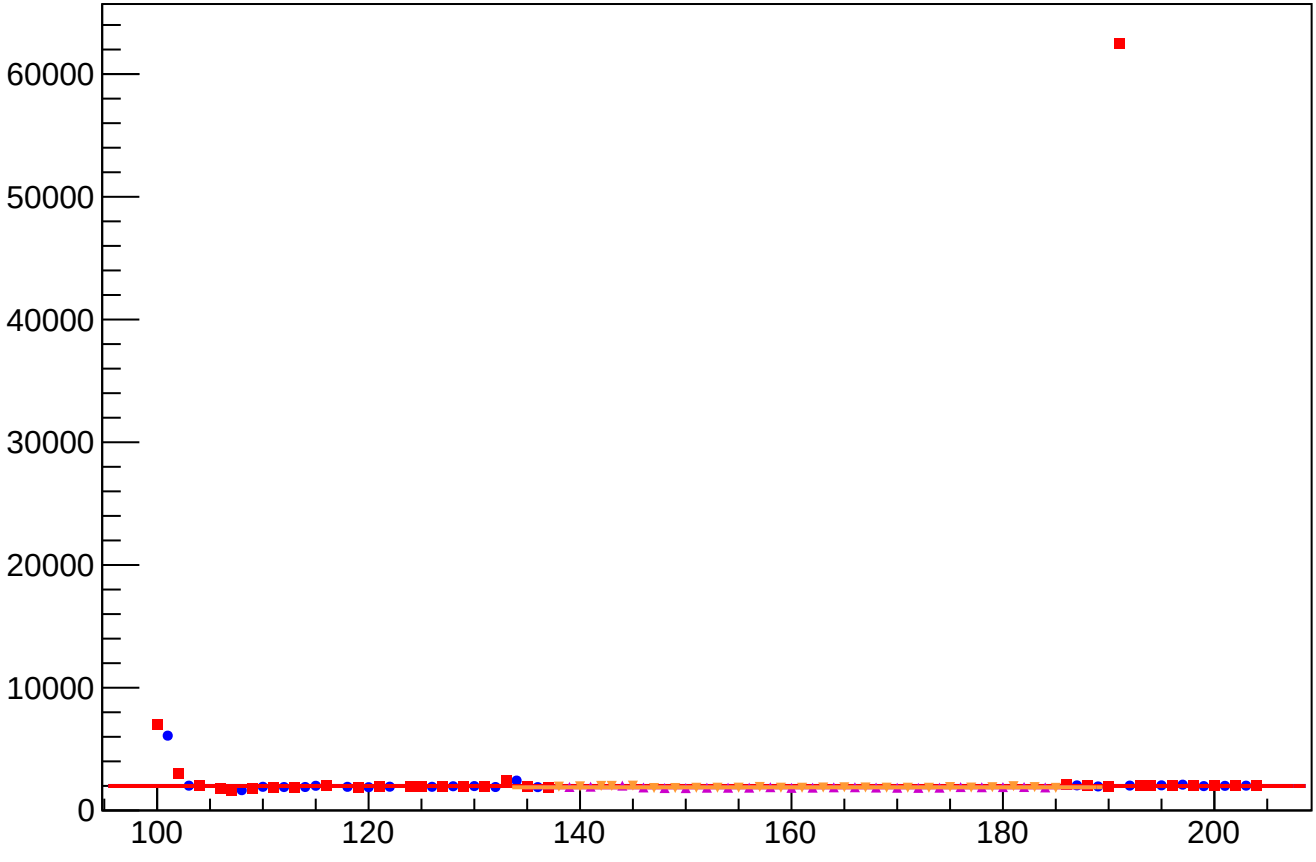
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2287.171+/-339.589 χ^2/NDF: 51.9/48

All: -171.221+/-238.509 χ^2/NDF: 204.8/101

- sign -2564.521+/-335.063 χ^2/NDF: 49.5/52

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1995.784+/-0.393 χ^2/NDF: 673552.8/23

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

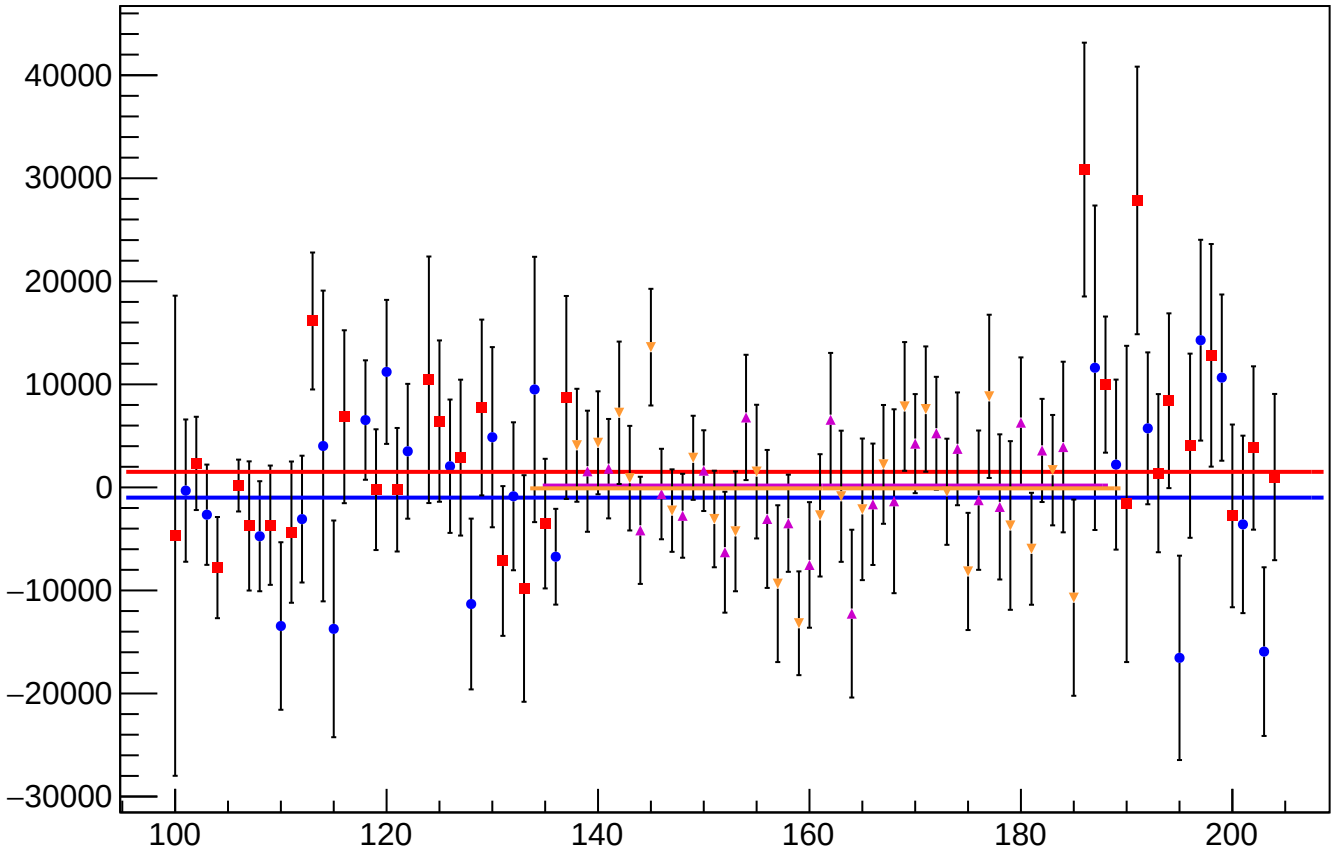
Right Out: 1991.630+/-0.366 χ^2/NDF: 417877.9/29

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1927.956+/-0.240 χ^2/NDF: 753044.8/48

All: 1927.486+/-0.169 χ^2/NDF: 1243448.6/10

- sign 1927.030+/-0.237 χ^2/NDF: 490396.3/52



Right In: -992.087+/-1487.822 χ^2/NDF: 26.3/23

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 1508.376+/-1218.569 χ^2/NDF: 30.4/29

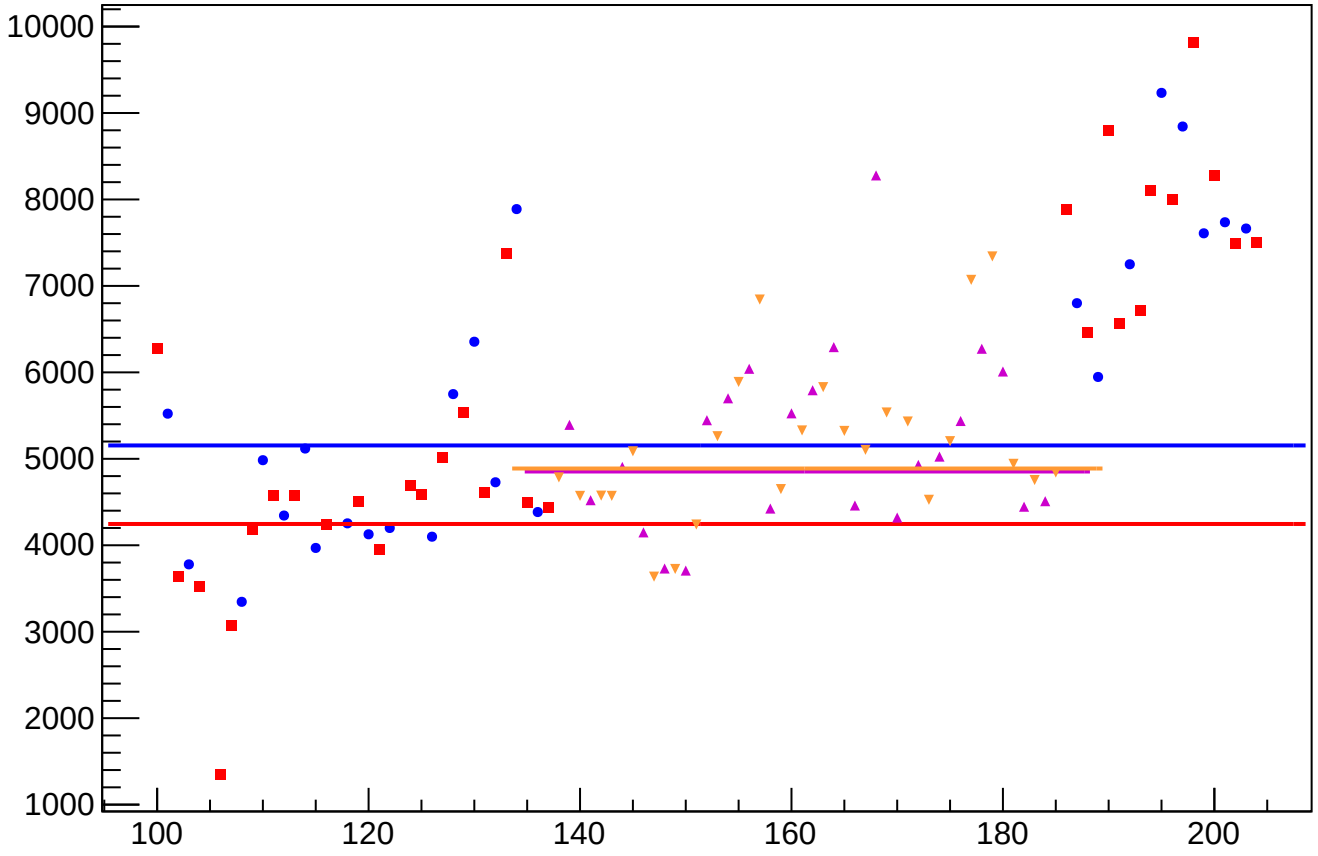
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -422.396+/-901.512 χ^2/NDF: 54.7/48

All: 237.025+/-614.051 χ^2/NDF: 100.3/101

- sign 807.740+/-838.687 χ^2/NDF: 44.6/52

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 5154.640+/-1.052 χ^2/NDF: 2223402.8/23

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4246.220+/-0.862 χ^2/NDF: 6304170.3/29

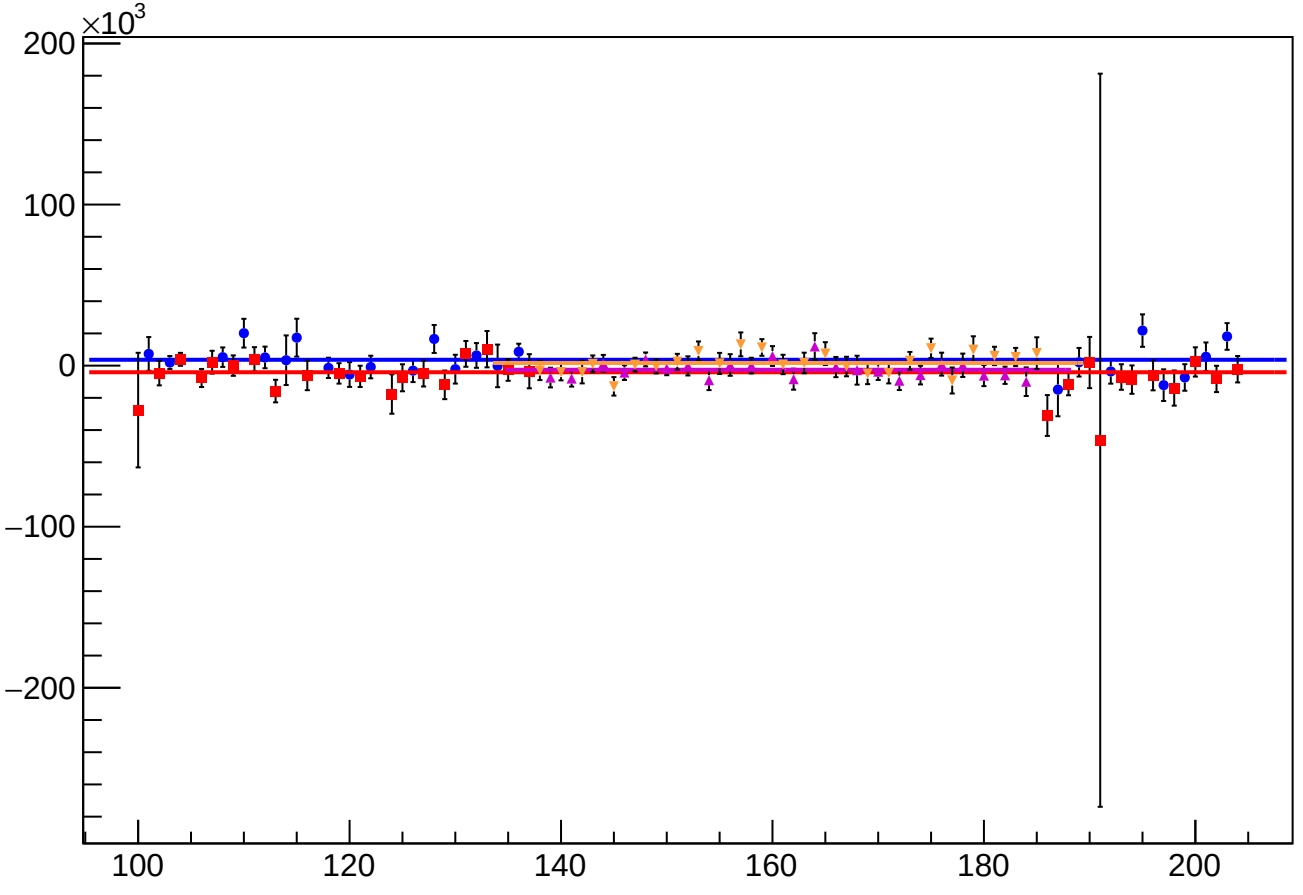
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4985.789+/-0.637 χ^2/NDF: 3327406.5/48

All: 4760.633+/-0.434 χ^2/NDF: 11304253.7/1

- sign 4565.766+/-0.593 χ^2/NDF: 7744122.0/52

asym_atr_avg_mean vs Slug



Right In: 3635.864+/-1560.028 χ^2/NDF: 25.3/23

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -4104.168+/-1443.994 χ^2/NDF: 23.9/29

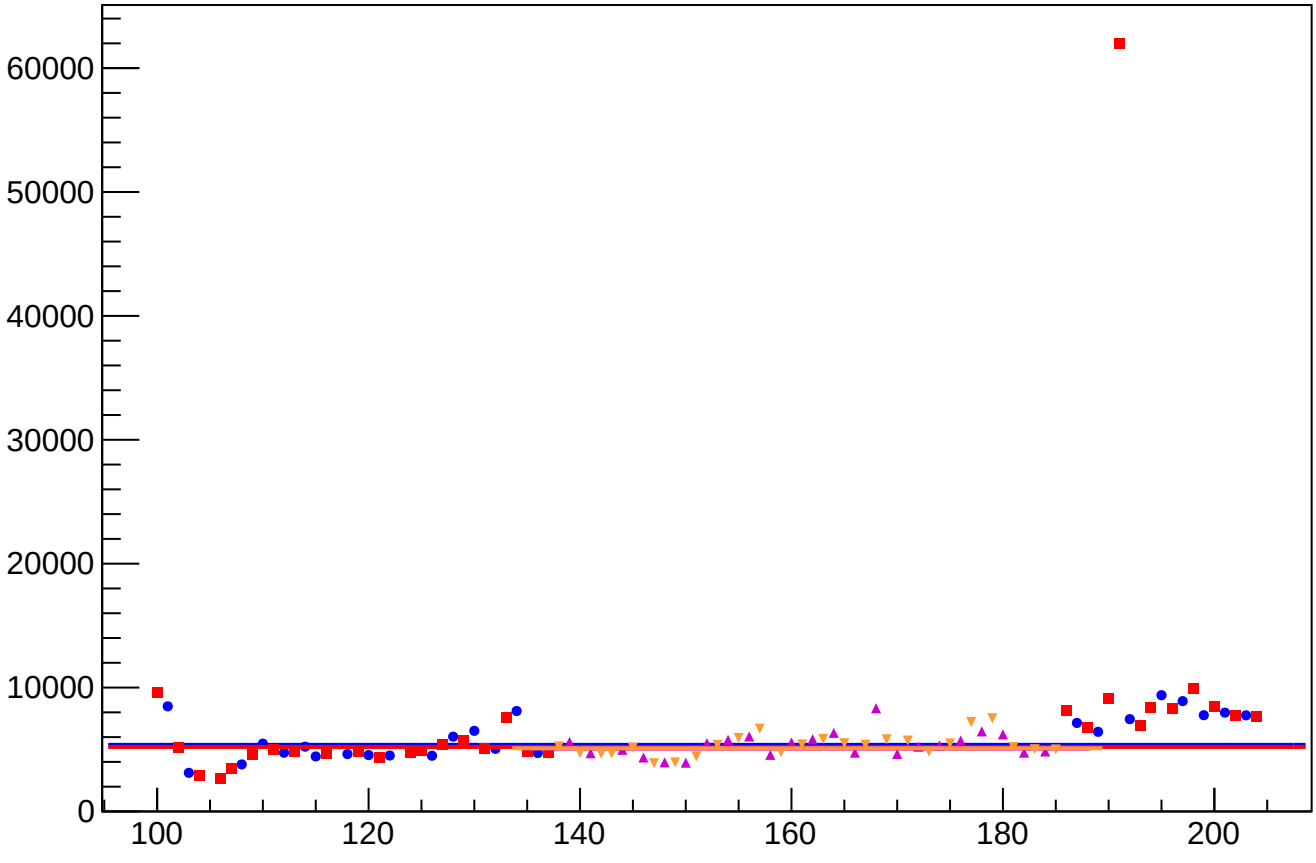
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2374.589+/-940.419 χ^2/NDF: 52.3/48

All: -456.790+/-659.432 χ^2/NDF: 110.7/101

- sign -3195.677+/-924.931 χ^2/NDF: 40.5/52

asym_atr_avg_rms vs Slug



Right In: 5376.351+/-1.103 χ^2/NDF: 2532566.1/23

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5206.052+/-1.014 χ^2/NDF: 3545581.8/29

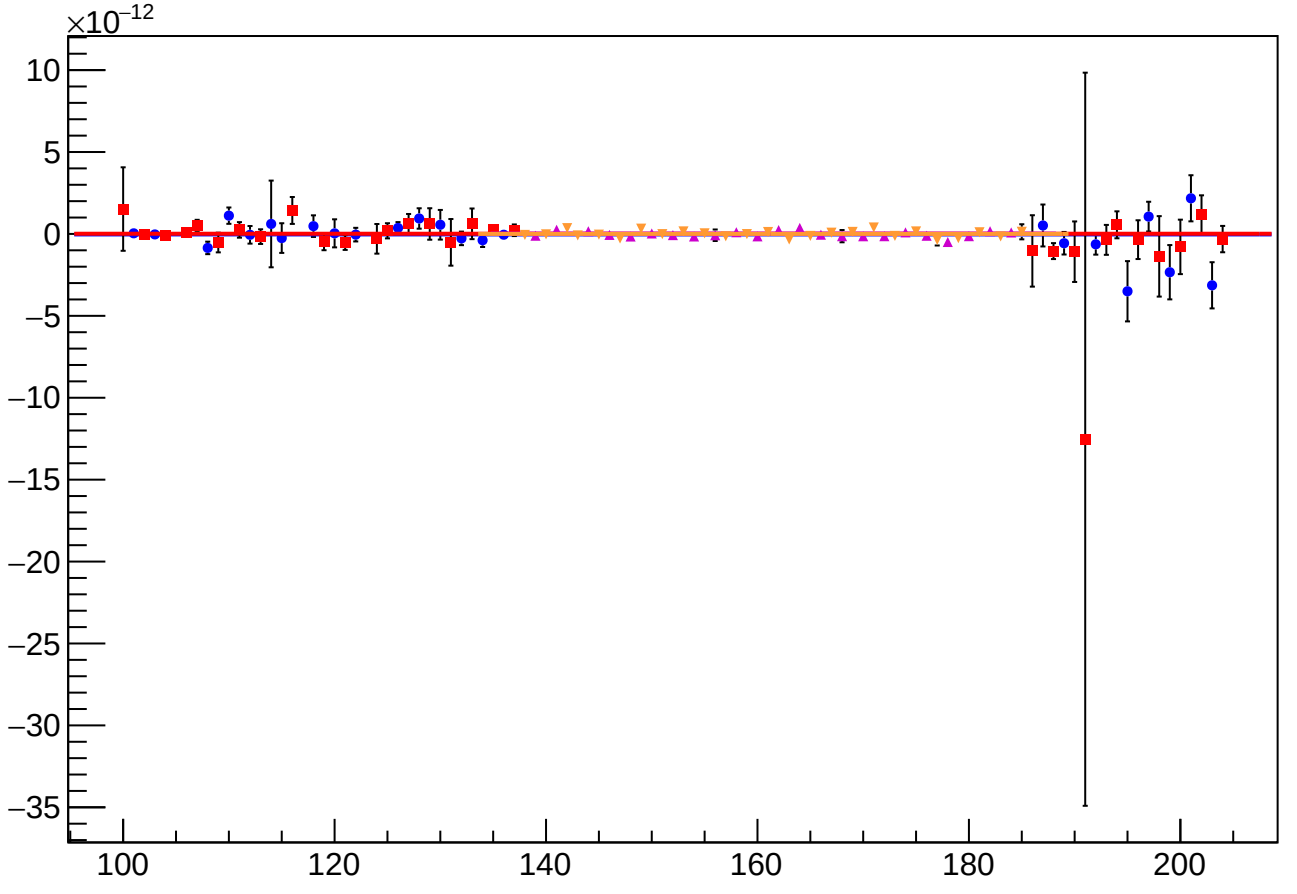
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5200.832+/-0.665 χ^2/NDF: 3481665.4/48

All: 5163.881+/-0.466 χ^2/NDF: 8035229.7/10

- sign 5128.327+/-0.652 χ^2/NDF: 4547505.3/52

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

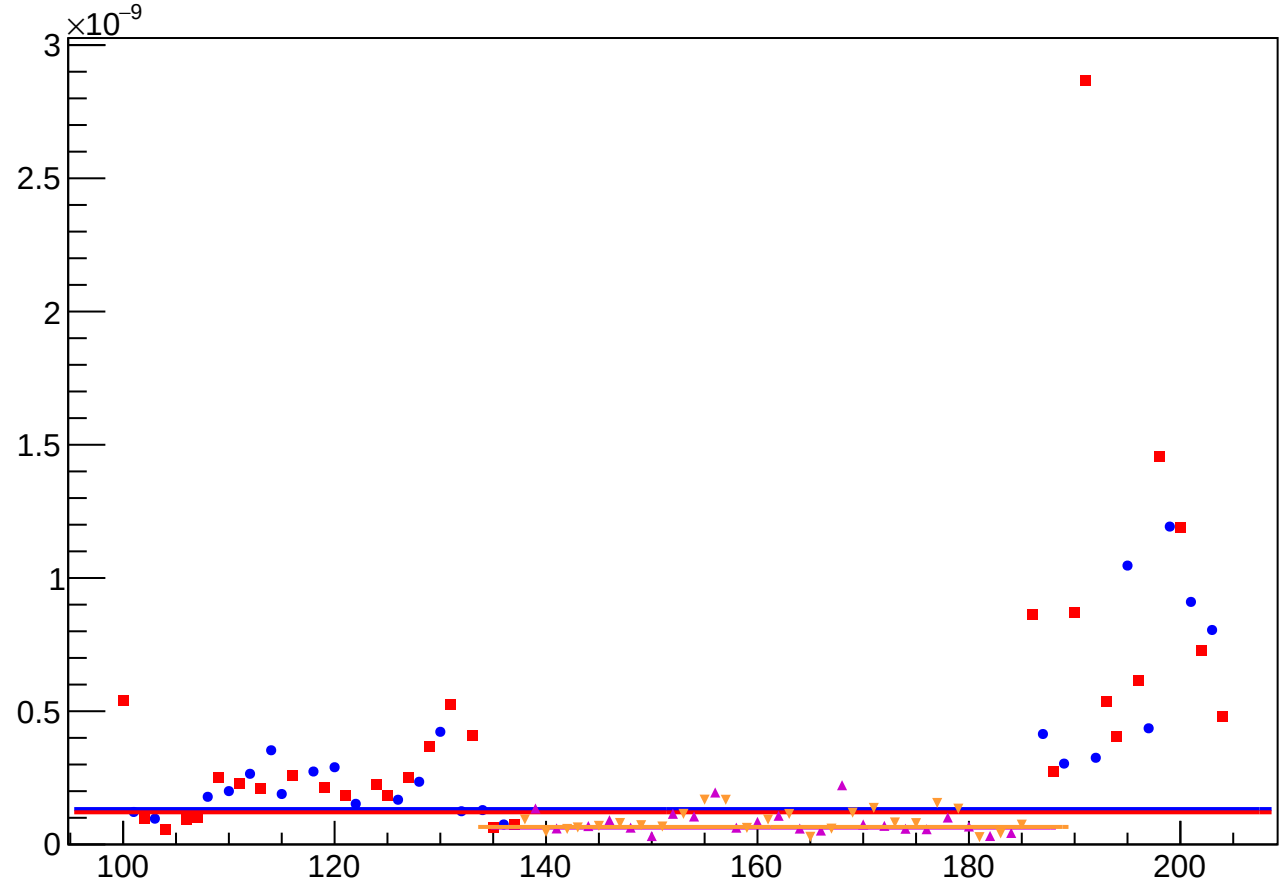
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/29

Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.3/48

All: 0.000+/-0.000 χ^2/NDF: 121.4/101

- sign 0.000+/-0.000 χ^2/NDF: 55.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 4193274.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6164920.0/29

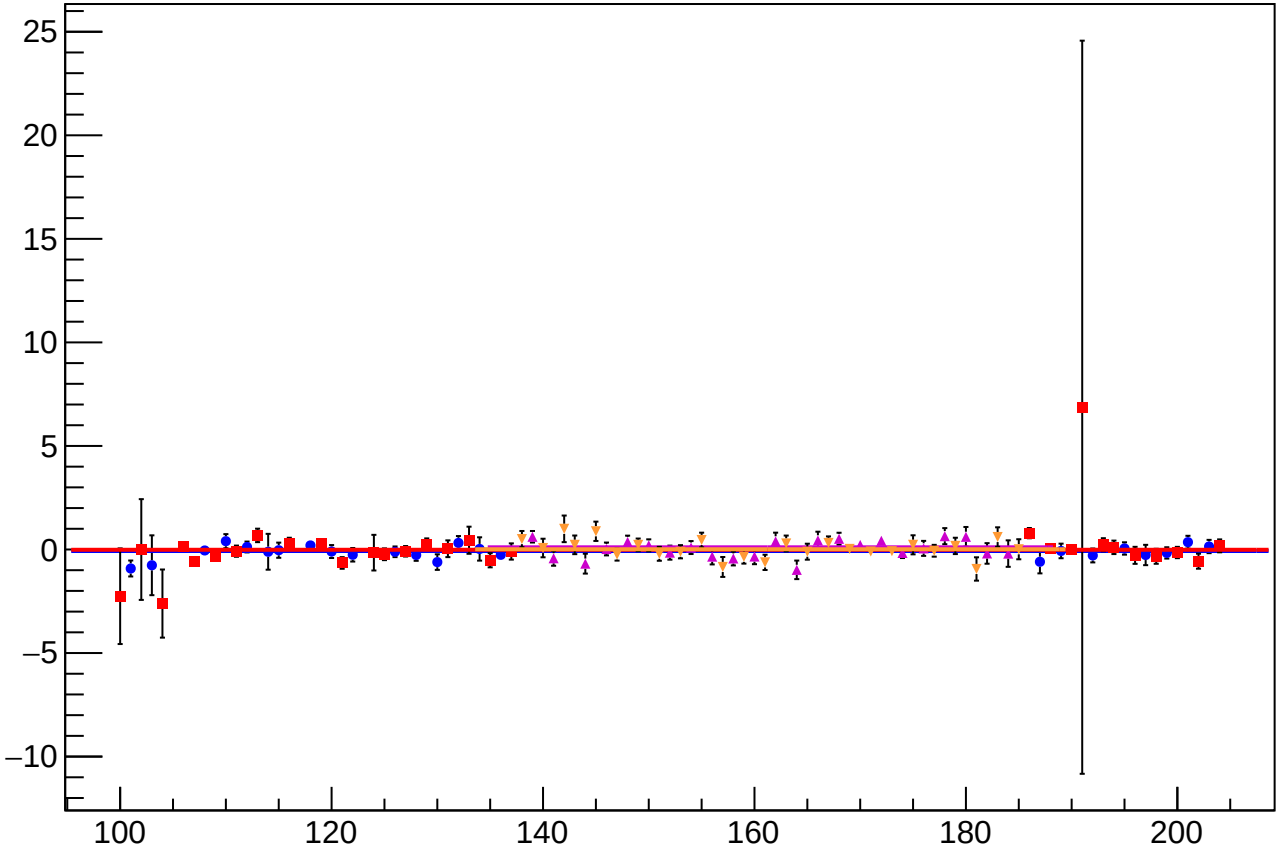
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8118271.2/48

All: 0.000+/-0.000 χ^2/NDF: 17643068.5/101

- sign 0.000+/-0.000 χ^2/NDF: 9509316.7/52

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.074+/-0.065 χ^2/NDF: 18.0/23

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.014+/-0.053 χ^2/NDF: 45.0/29

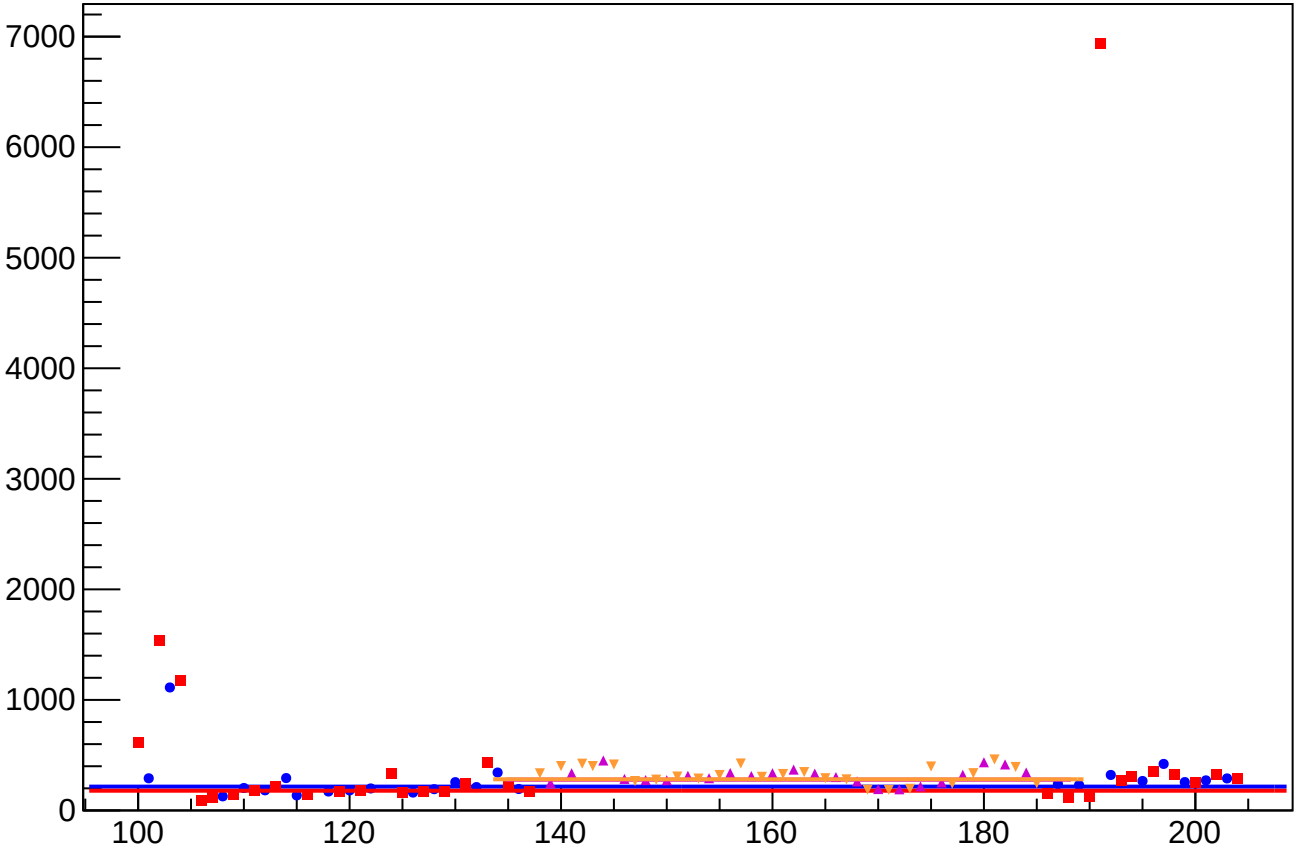
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.033+/-0.047 χ^2/NDF: 44.0/48

All: 0.002+/-0.031 χ^2/NDF: 123.3/101

\- sign 0.030+/-0.042 χ^2/NDF: 78.3/52

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 215.639+/-0.046 χ^2/NDF: 2527016.2/23

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 178.573+/-0.037 χ^2/NDF: 5415428.8/29

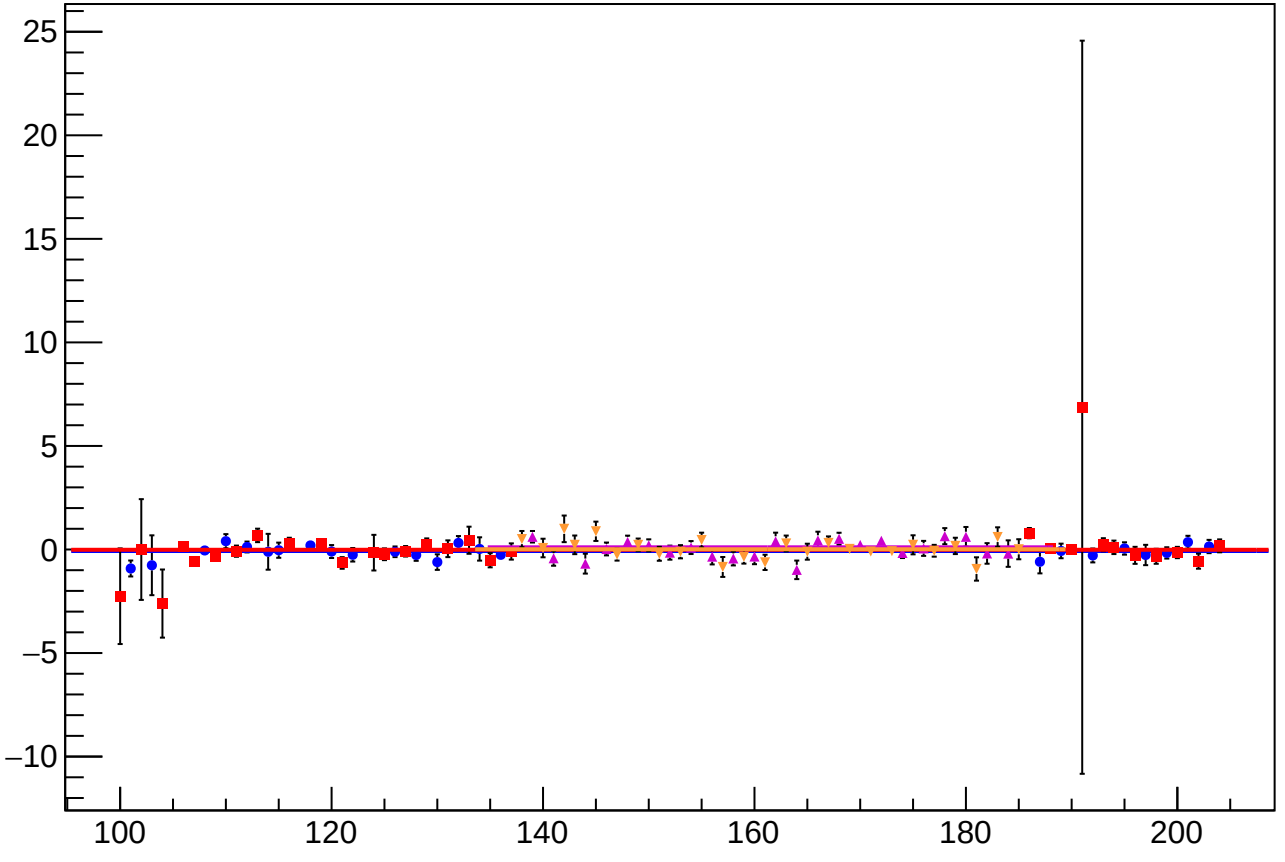
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 247.063+/-0.033 χ^2/NDF: 6041309.6/48

All: 229.612+/-0.022 χ^2/NDF: 16414274.7/10

- sign 215.717+/-0.030 χ^2/NDF: 9875369.0/52

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.074+/-0.065 χ^2/NDF: 18.0/23

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.014+/-0.053 χ^2/NDF: 45.0/29

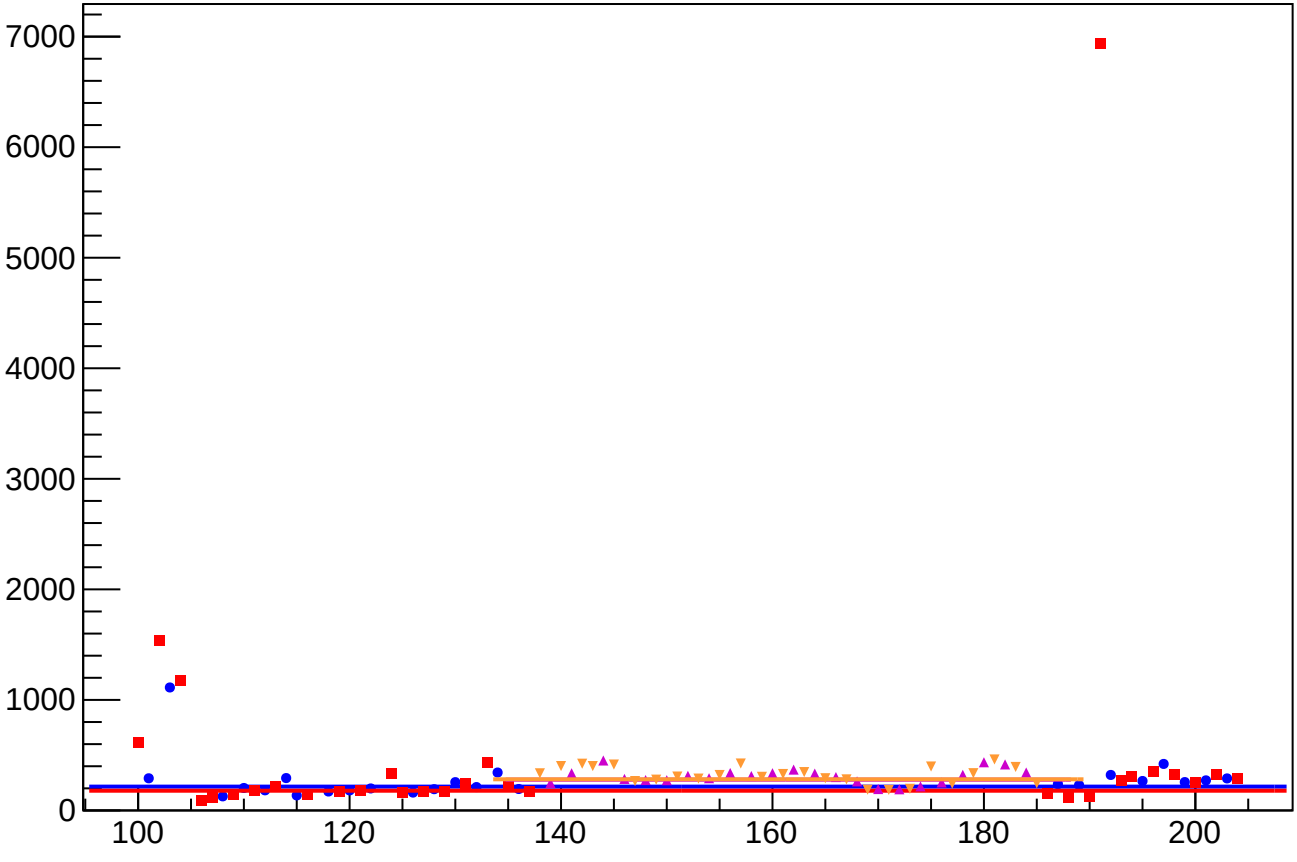
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.033+/-0.047 χ^2/NDF: 44.0/48

All: 0.002+/-0.031 χ^2/NDF: 123.3/101

\- sign 0.030+/-0.042 χ^2/NDF: 78.3/52

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 215.639+/-0.046 χ^2/NDF: 2527016.2/23

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

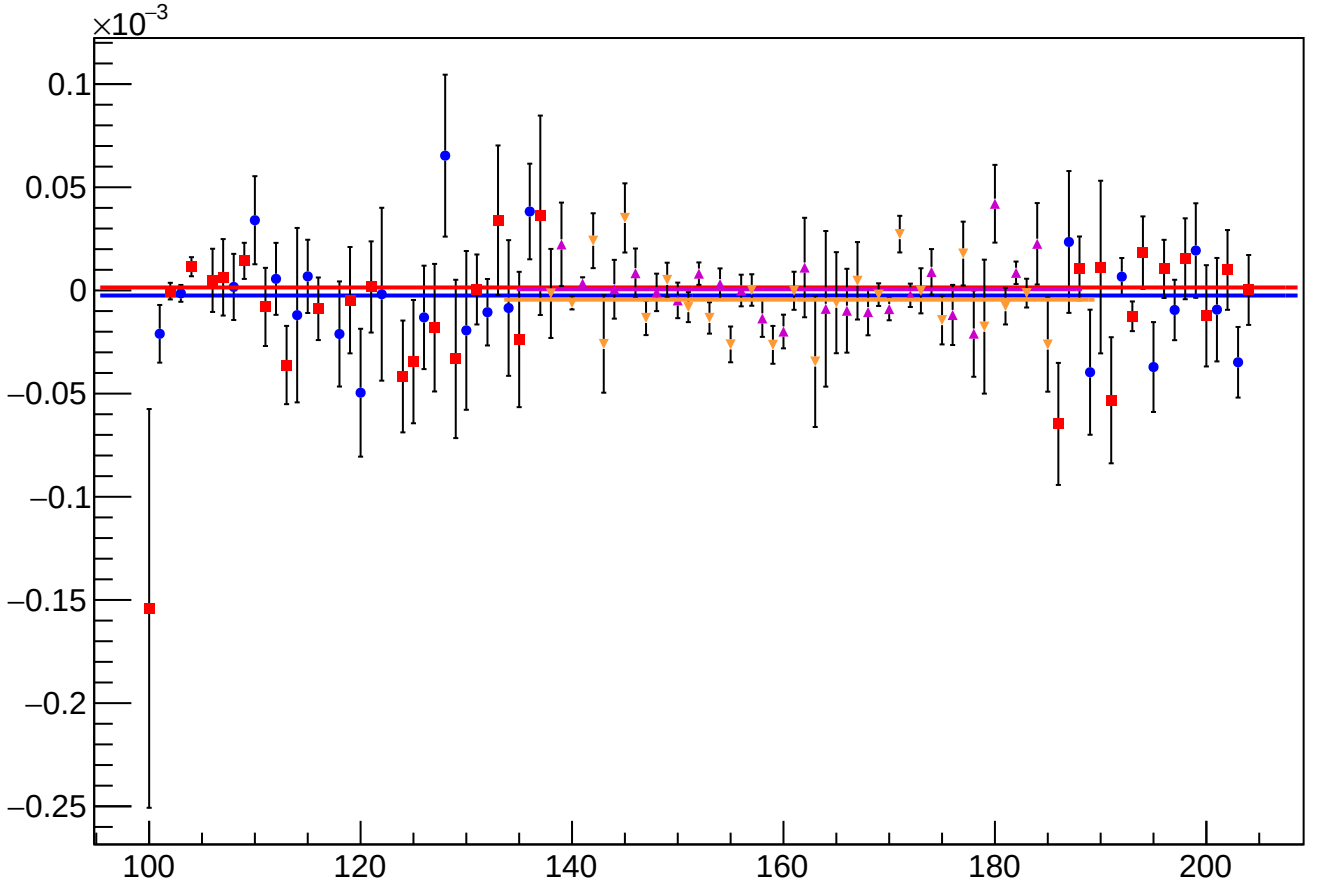
Right Out: 178.573+/-0.037 χ^2/NDF: 5415428.8/29

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 247.063+/-0.033 χ^2/NDF: 6041309.6/48

All: 229.612+/-0.022 χ^2/NDF: 16414274.7/10

- sign 215.717+/-0.030 χ^2/NDF: 9875369.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.4/29

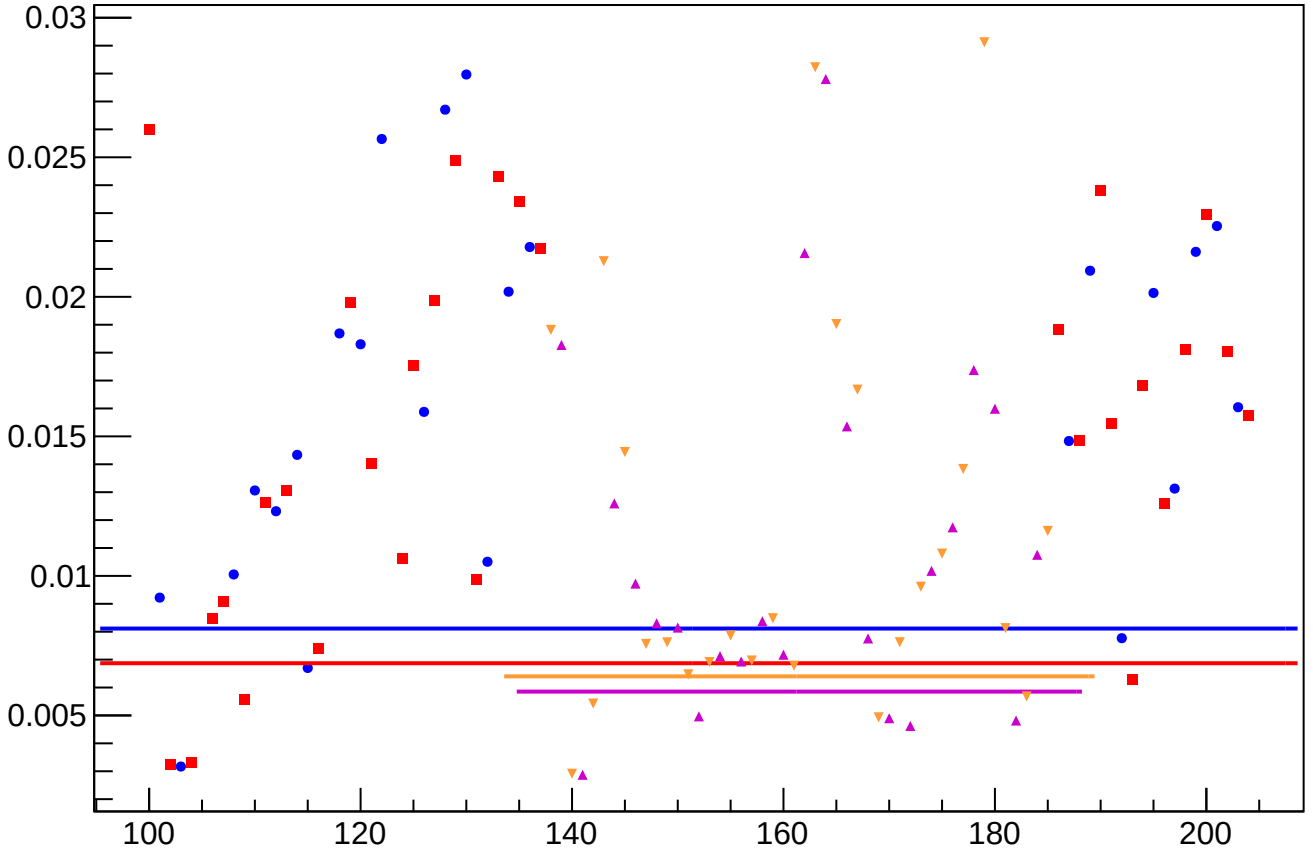
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.1/48

All: -0.000+/-0.000 χ^2/NDF: 143.6/101

- sign 0.000+/-0.000 χ^2/NDF: 65.5/52

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 9426186.1/23

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 11466753.4/29

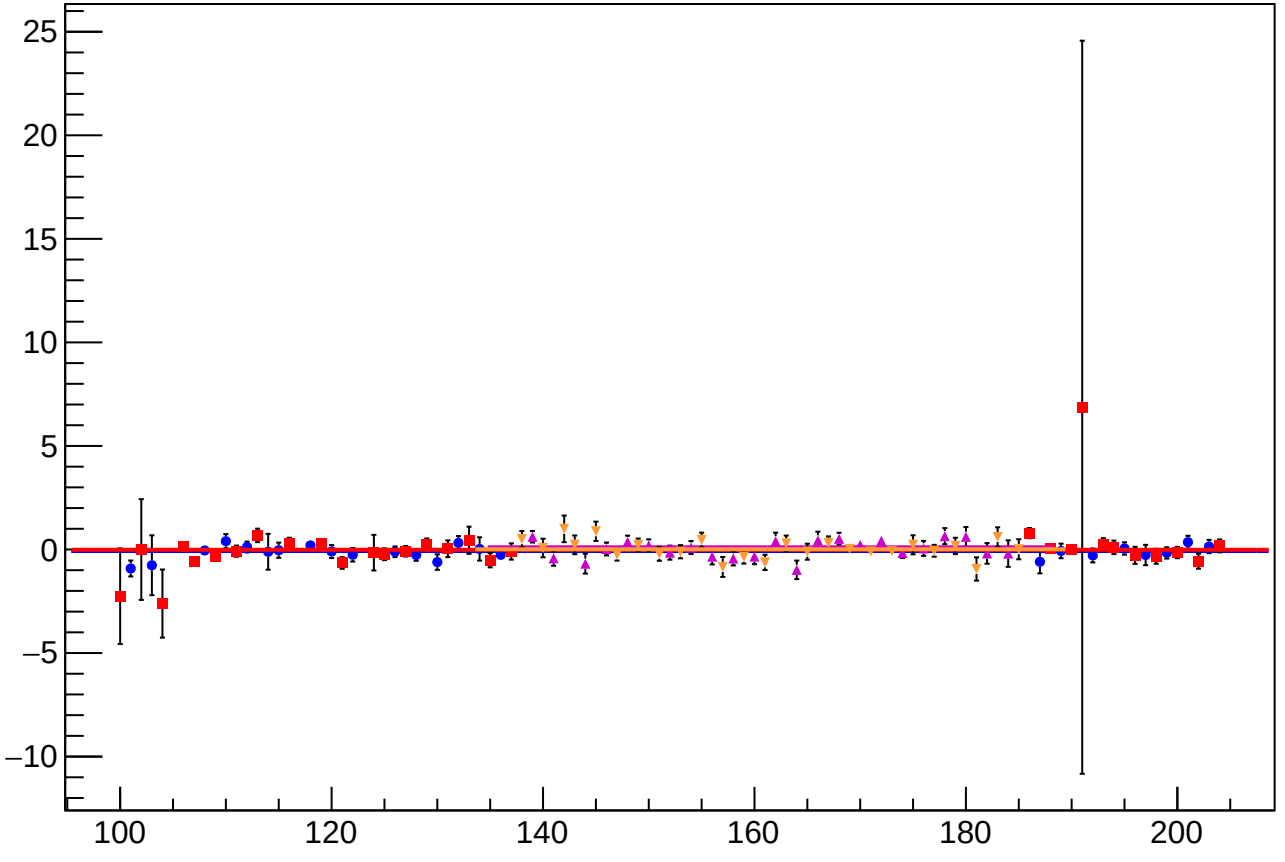
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 18907540.5/48

All: 0.006+/-0.000 χ^2/NDF: 38994082.7/101

- sign 0.006+/-0.000 χ^2/NDF: 19878089.2/52

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.074+/-0.065 χ^2/NDF: 18.0/23

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.014+/-0.053 χ^2/NDF: 45.0/29

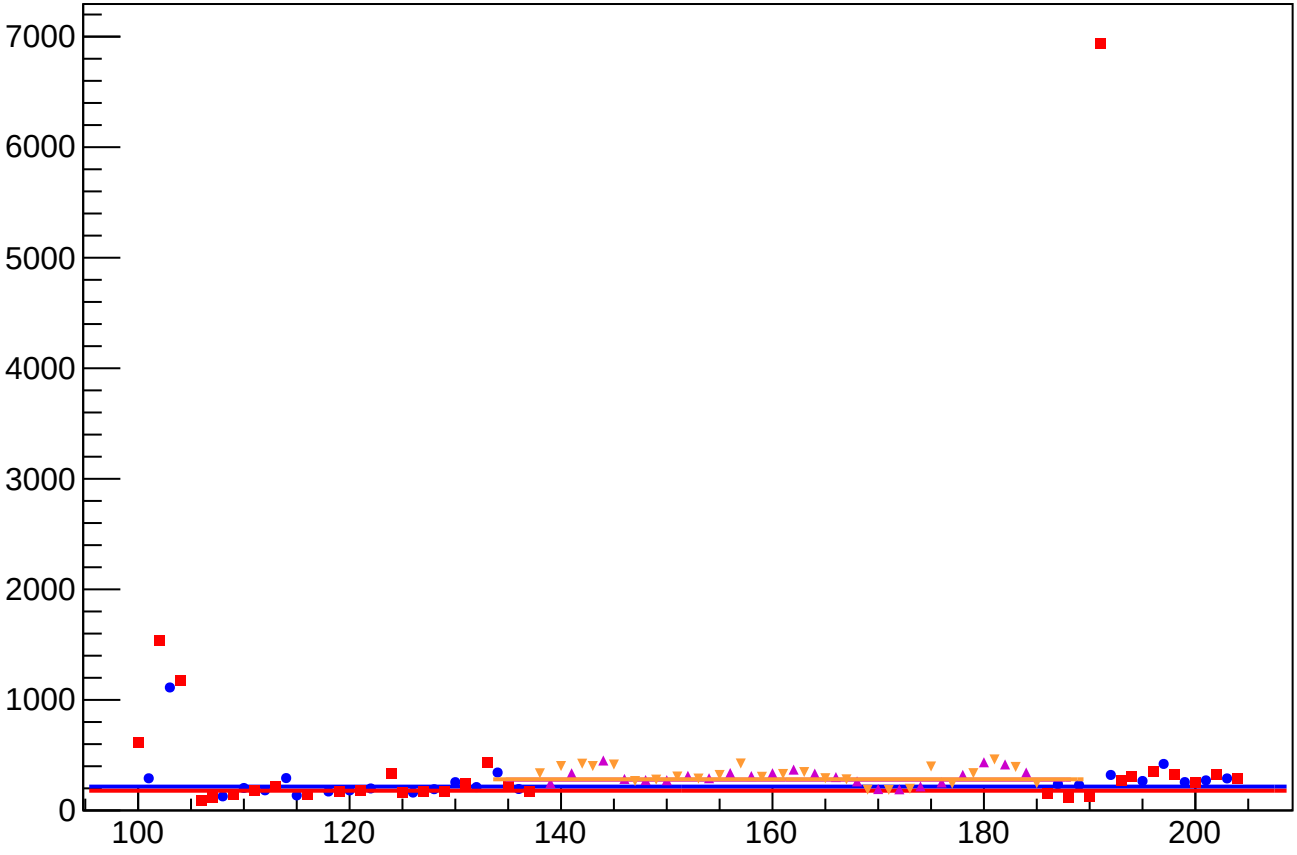
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.033+/-0.047 χ^2/NDF: 44.0/48

All: 0.002+/-0.031 χ^2/NDF: 123.3/101

- sign 0.030+/-0.042 χ^2/NDF: 78.3/52

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 215.639+/-0.046 χ^2/NDF: 2527025.3/23

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 178.570+/-0.037 χ^2/NDF: 5415593.3/29

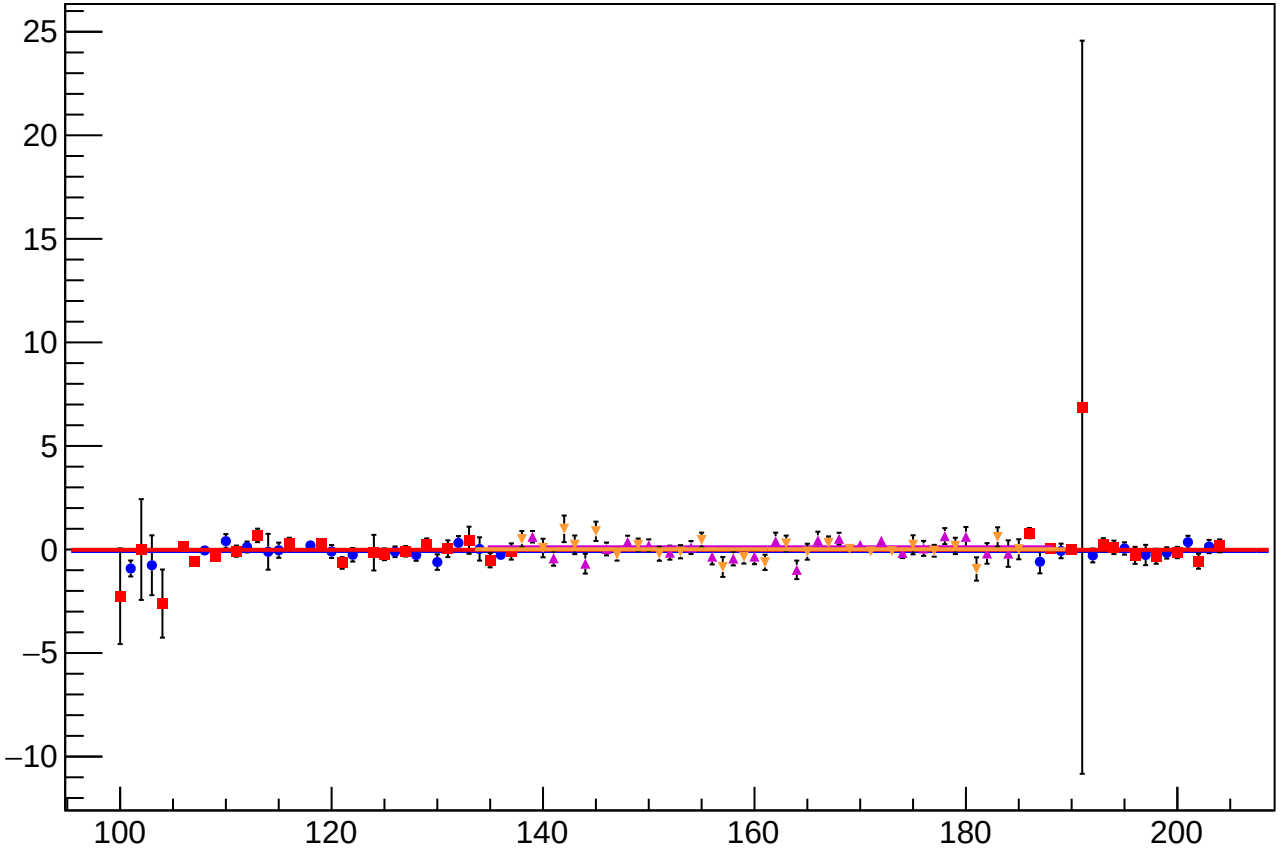
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 247.063+/-0.033 χ^2/NDF: 6041458.4/48

All: 229.611+/-0.022 χ^2/NDF: 16415016.4/10

- sign 215.714+/-0.030 χ^2/NDF: 9875870.8/52

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.074+/-0.065 χ^2/NDF: 18.0/23

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

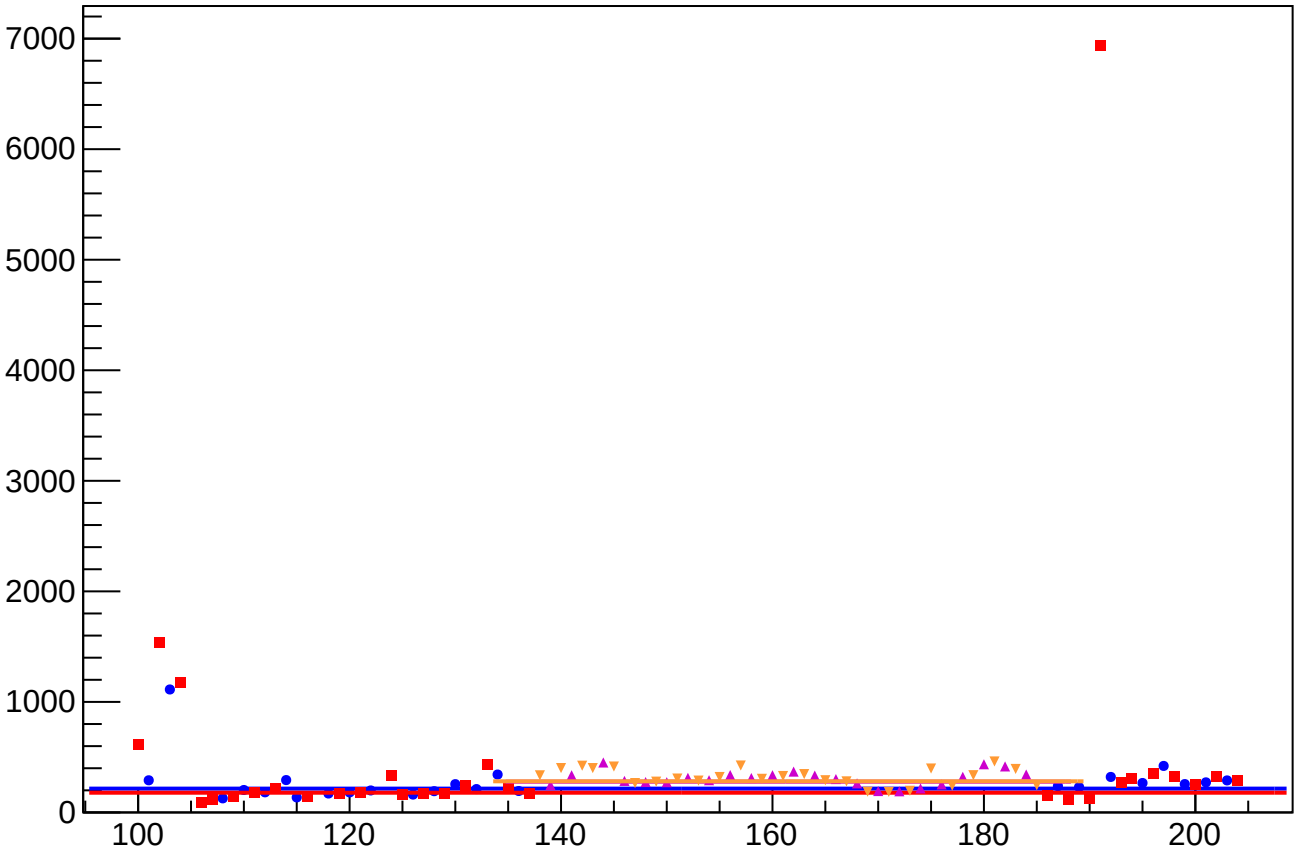
Right Out: -0.014+/-0.053 χ^2/NDF: 45.0/29

Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

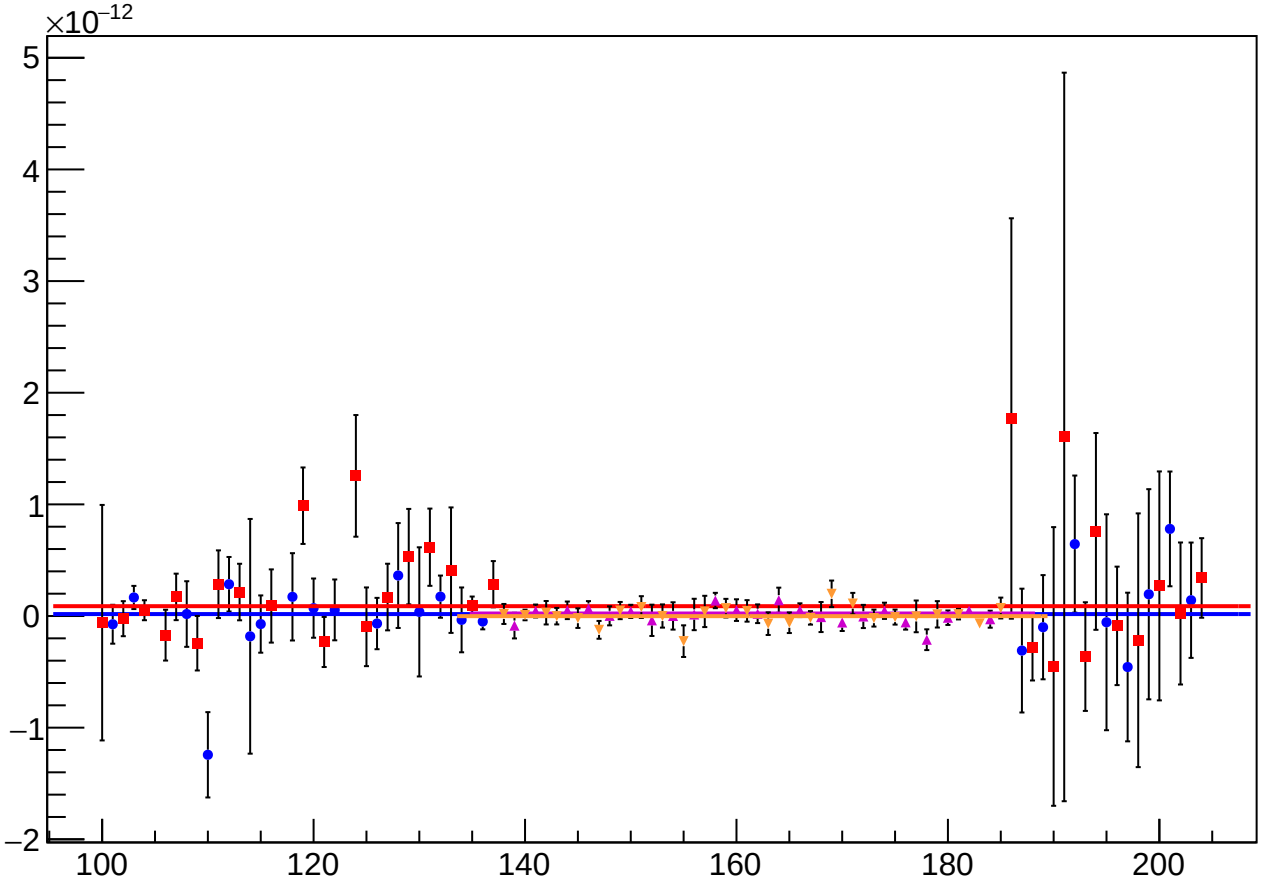
\+ sign -0.033+/-0.047 χ^2/NDF: 44.0/48

All: 0.002+/-0.031 χ^2/NDF: 123.3/101

\- sign 0.030+/-0.042 χ^2/NDF: 78.3/52


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 215.639+/-0.046 χ²/NDF: 2527025.3/23
Left Out: 281.820+/-0.048 χ²/NDF:2520889.0/24
Right Out: 178.570+/-0.037 χ²/NDF: 5415593.3/29
Left In: 278.412+/-0.049 χ²/NDF:1799730.1/22
+ sign 247.063+/-0.033 χ²/NDF: 6041458.4/48
All: 229.611+/-0.022 χ²/NDF: 16415016.4/10
- sign 215.714+/-0.030 χ²/NDF: 9875870.8/52

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/29

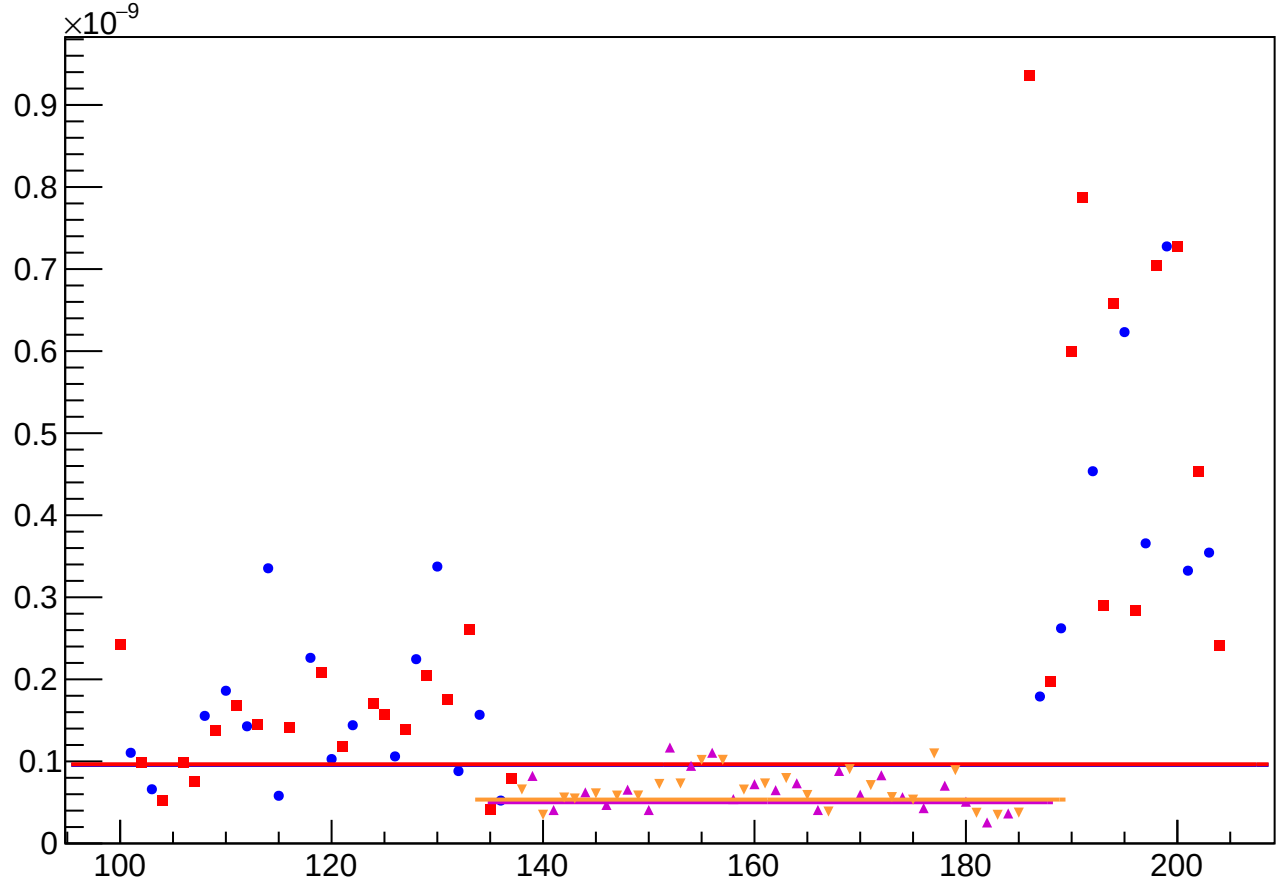
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.9/48

All: 0.000+/-0.000 χ^2/NDF: 86.0/101

- sign 0.000+/-0.000 χ^2/NDF: 47.1/52

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5977947.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7235689.6/29

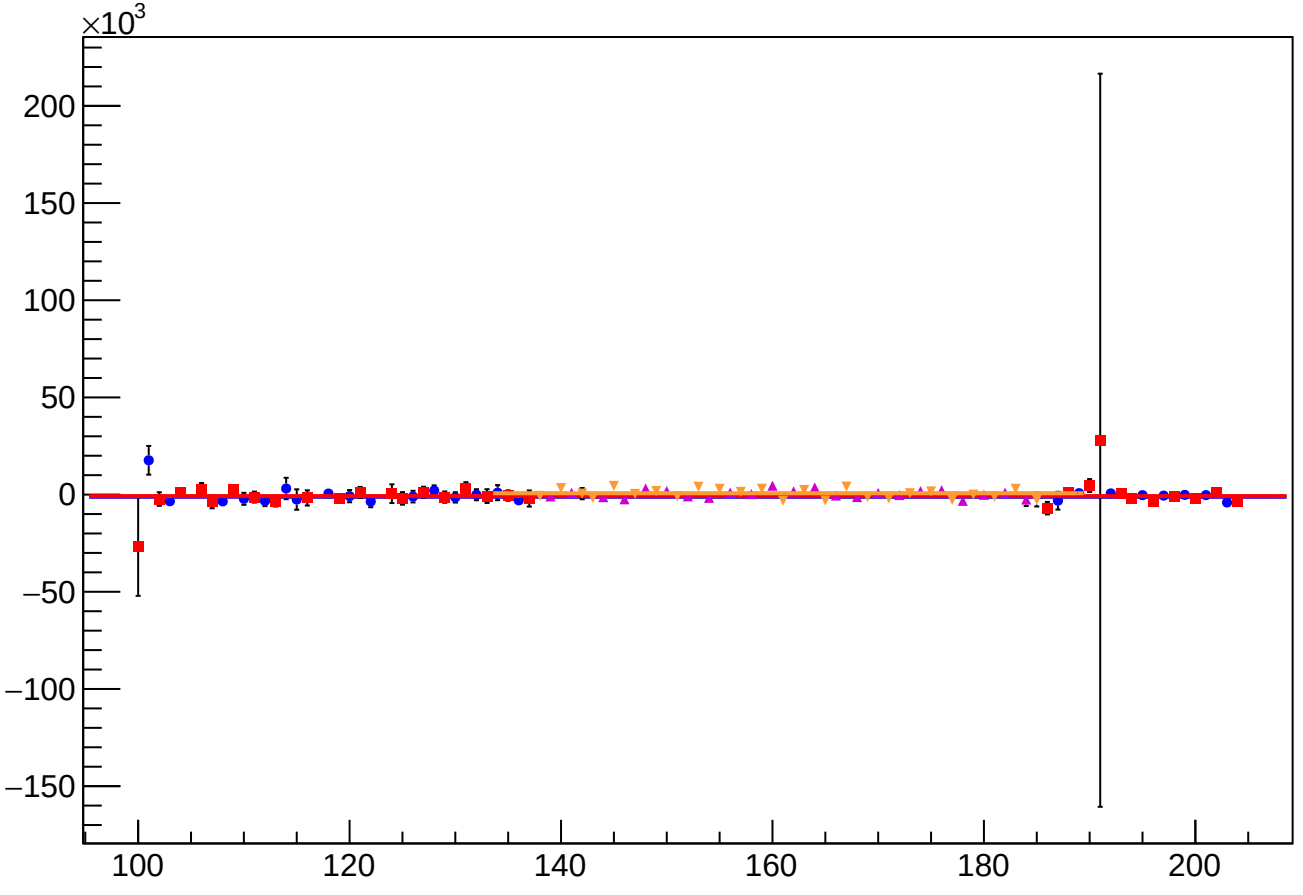
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10358997.4/48

All: 0.000+/-0.000 χ^2/NDF: 23024773.9/101

- sign 0.000+/-0.000 χ^2/NDF: 12631471.3/52

reg_asym_atr_dd_mean vs Slug



Right In: -1111.902+/-536.689 χ^2/NDF: 17.8/23

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -771.800+/-500.020 χ^2/NDF: 22.5/29

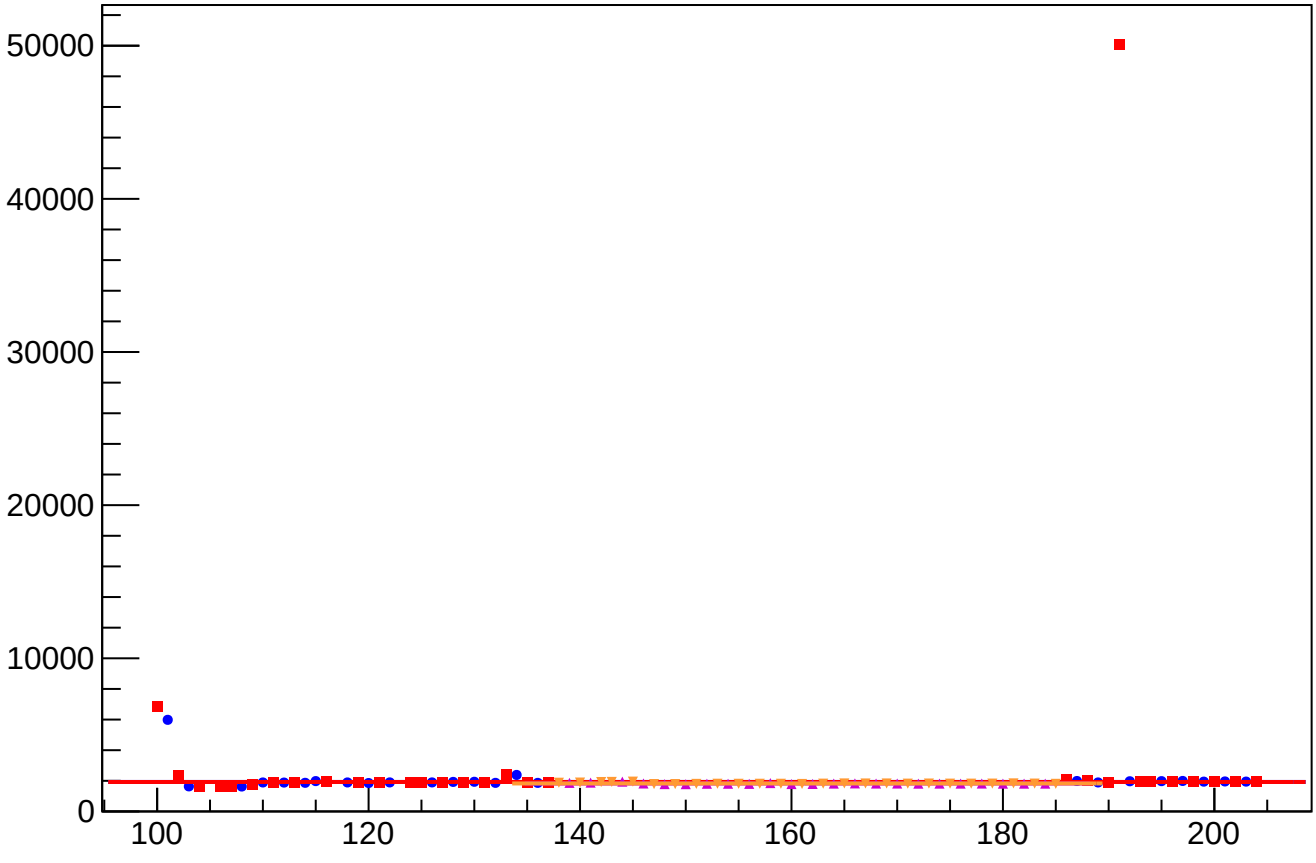
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 24.811+/-328.488 χ^2/NDF: 56.9/48

All: -33.975+/-230.805 χ^2/NDF: 103.4/101

- sign -91.295+/-324.366 χ^2/NDF: 46.4/52

reg_asym_atr_dd_rms vs Slug



Right In: 1926.338+/-0.379 χ^2/NDF: 706126.9/23

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

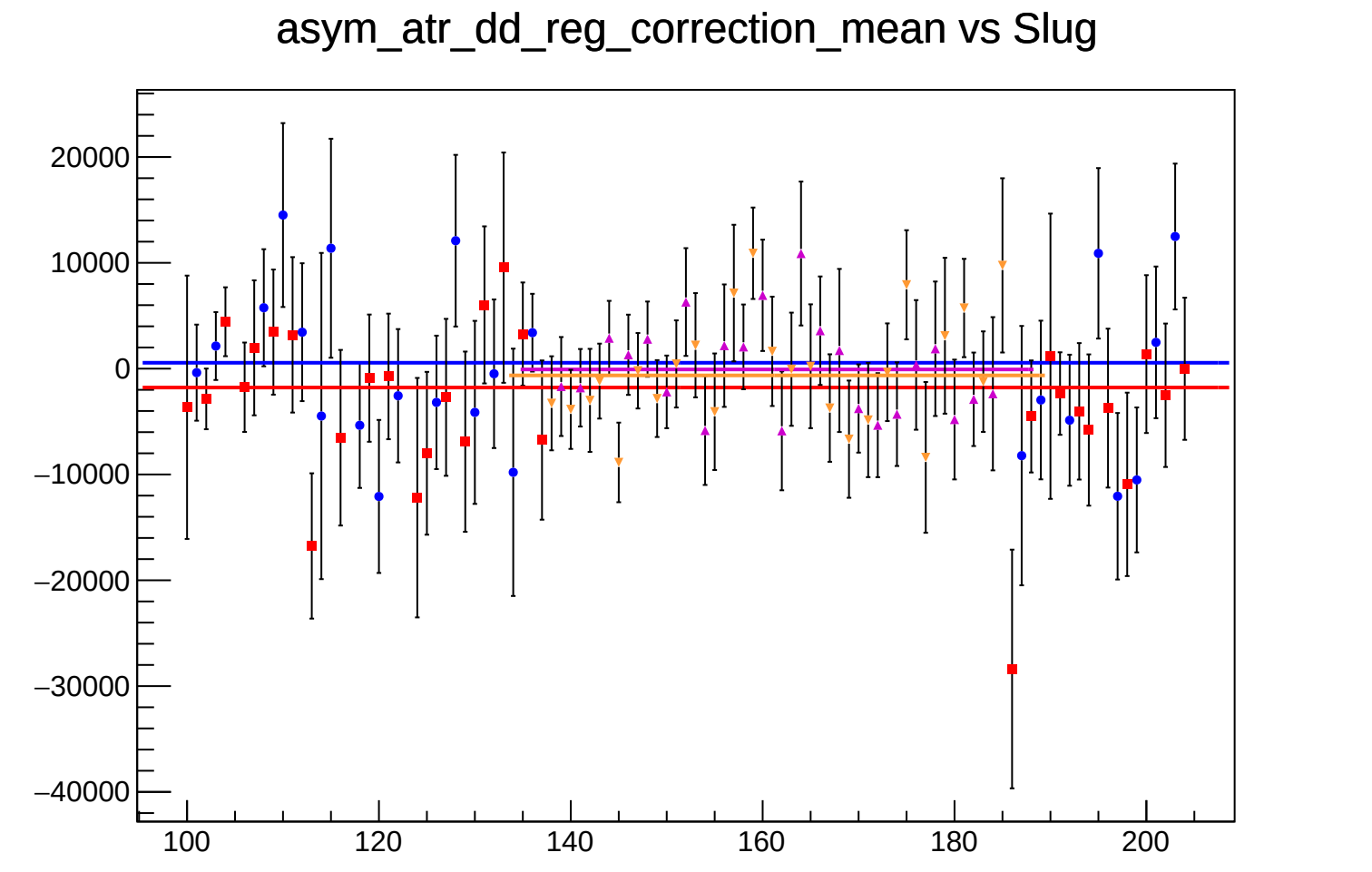
Right Out: 1924.247+/-0.353 χ^2/NDF: 375087.9/29

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

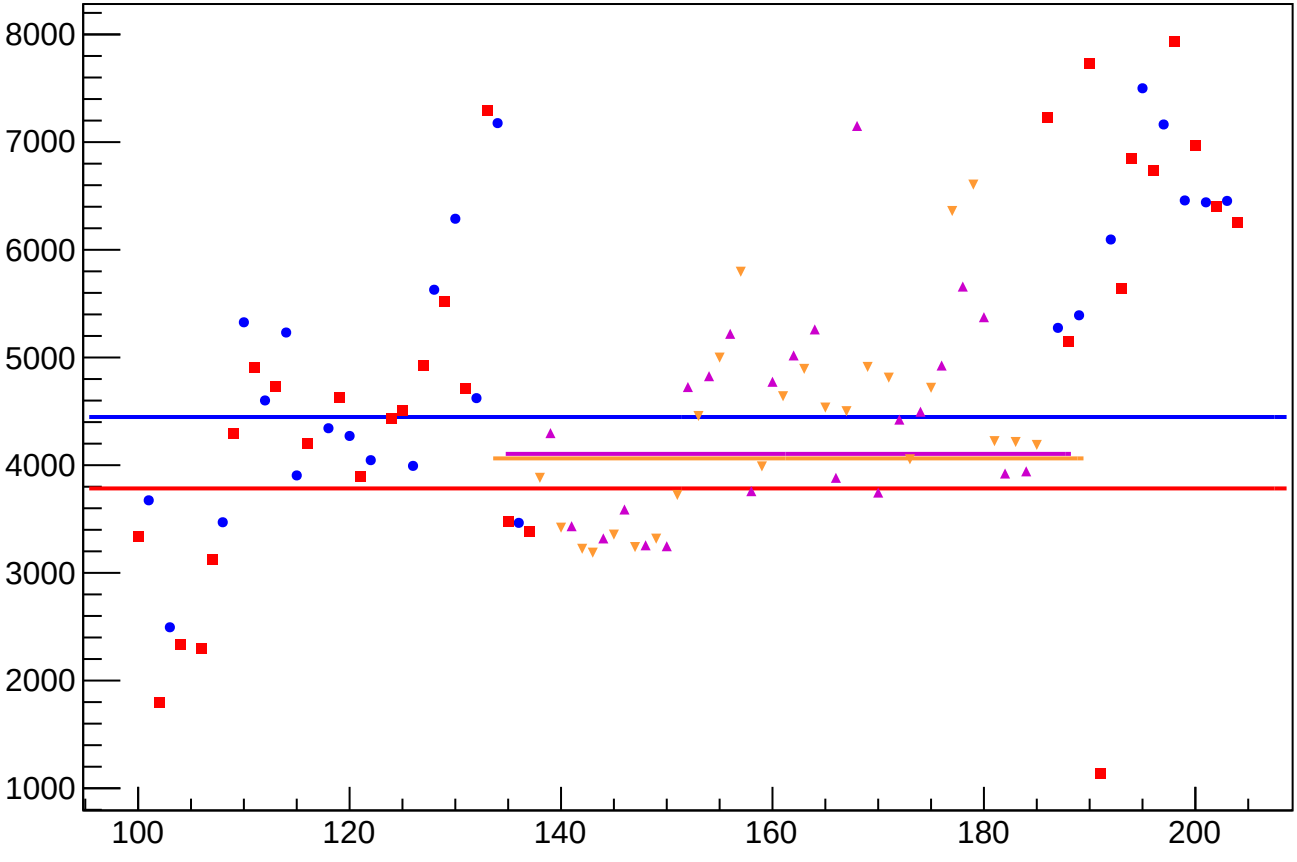
+ sign 1864.991+/-0.232 χ^2/NDF: 767240.7/48

All: 1865.980+/-0.163 χ^2/NDF: 1201299.5/10

- sign 1866.943+/-0.229 χ^2/NDF: 434023.0/52


asym_atr_dd_reg_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 556.318+/-1289.966 χ²/NDF: 24.9/23
Left Out: -637.703+/-946.866 χ²/NDF:26.0/24
Right Out: -1784.146+/-1093.286 χ²/NDF: 23.9/29
Left In: -75.764+/-980.243 χ²/NDF:15.4/22
+ sign -219.630+/-763.306 χ²/NDF: 51.4/48
All: -542.195+/-527.509 χ²/NDF: 92.5/101
- sign -837.095+/-729.841 χ²/NDF: 40.7/52

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4447.378+/-0.912 χ^2/NDF: 2505736.5/23

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

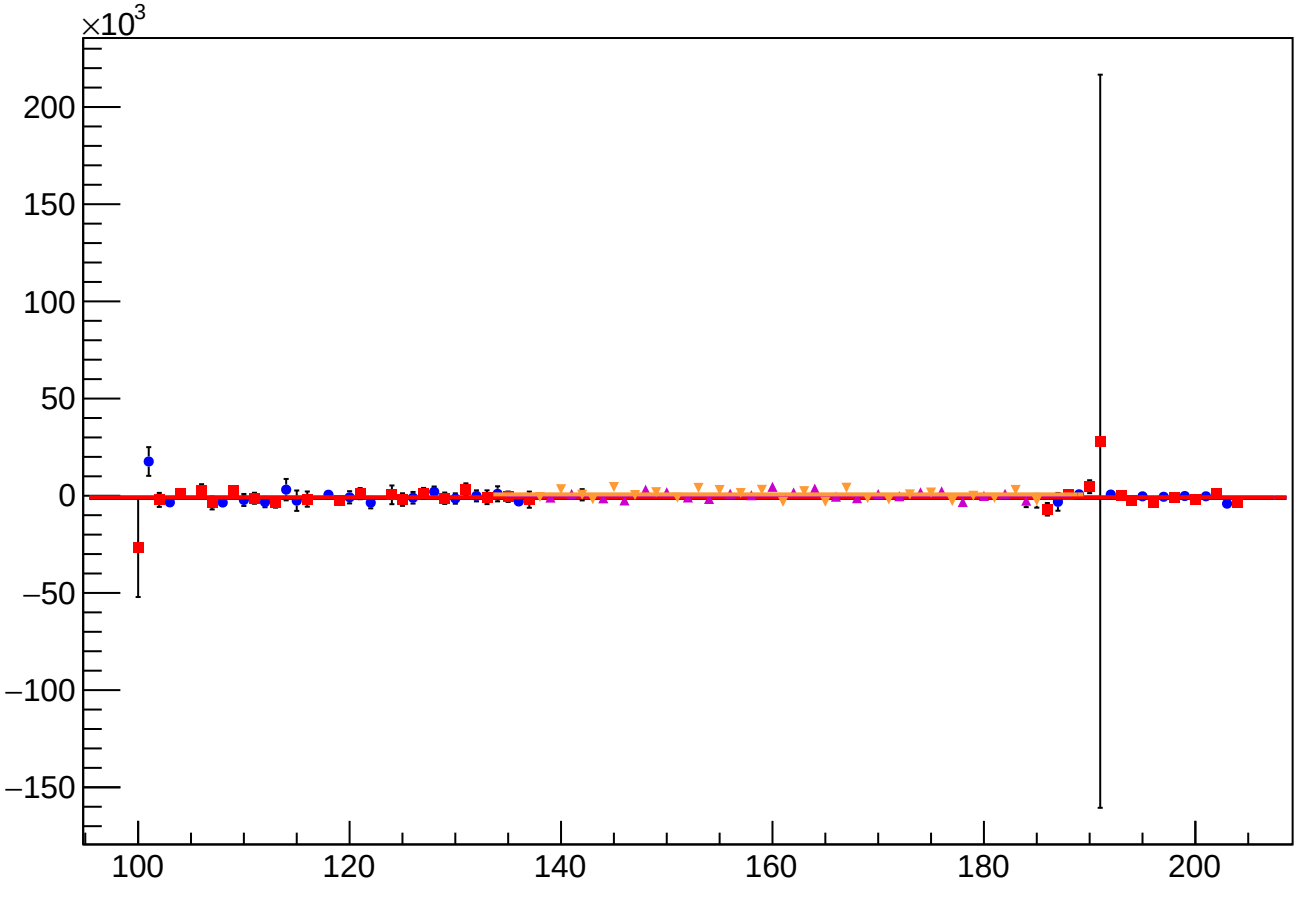
Right Out: 3784.177+/-0.773 χ^2/NDF: 5825929.3/29

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4197.656+/-0.540 χ^2/NDF: 4026108.9/48

All: 4074.580+/-0.373 χ^2/NDF: 11406574.5/1

- sign 3962.059+/-0.516 χ^2/NDF: 7280930.1/52



Right In: -1112.129+/-536.689 χ^2/NDF: 17.8/23

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -767.075+/-500.361 χ^2/NDF: 22.4/29

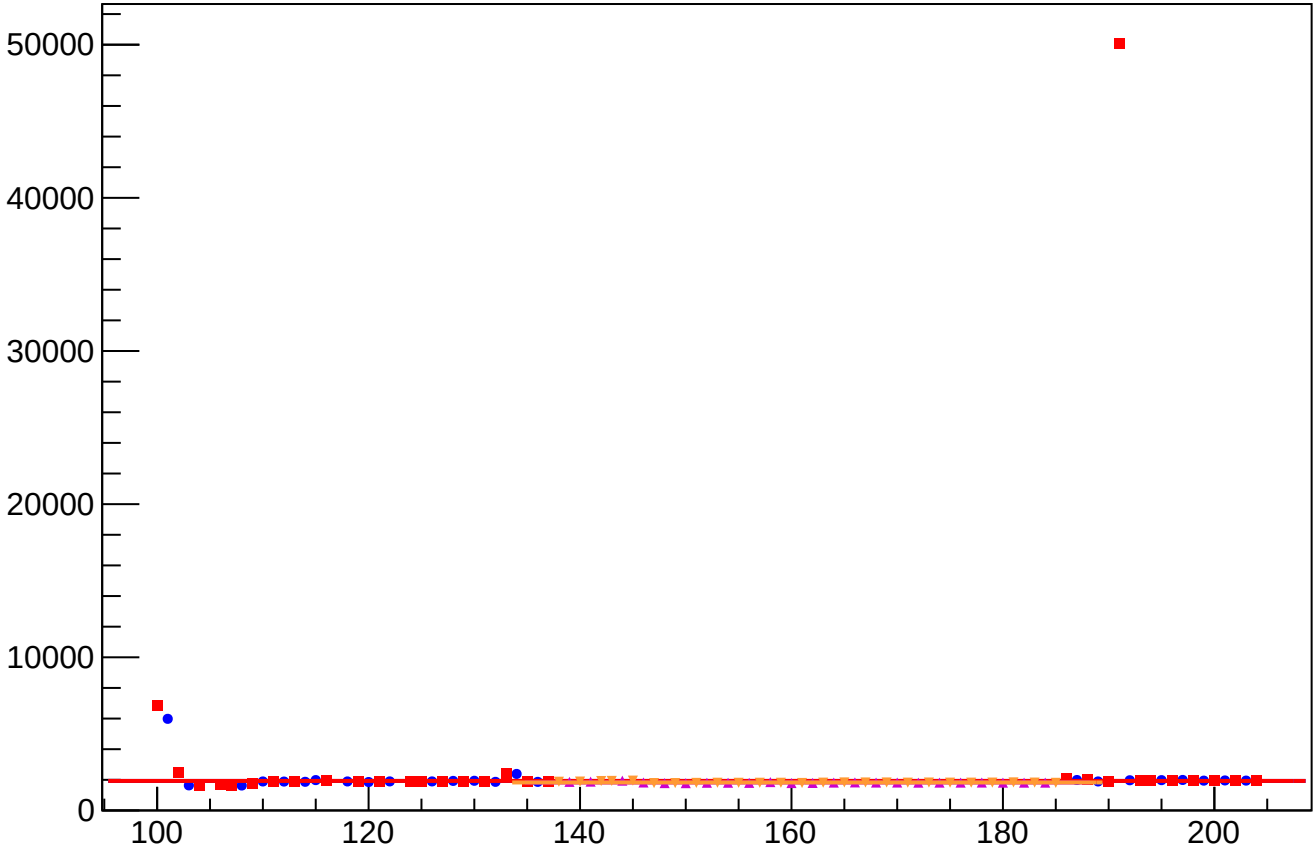
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 24.762+/-328.488 χ^2/NDF: 56.9/48

All: -32.827+/-230.839 χ^2/NDF: 103.3/101

- sign -89.013+/-324.459 χ^2/NDF: 46.3/52

cor_asym_atr_dd_rms vs Slug



Right In: 1926.337+/-0.379 χ^2/NDF: 706127.0/23

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

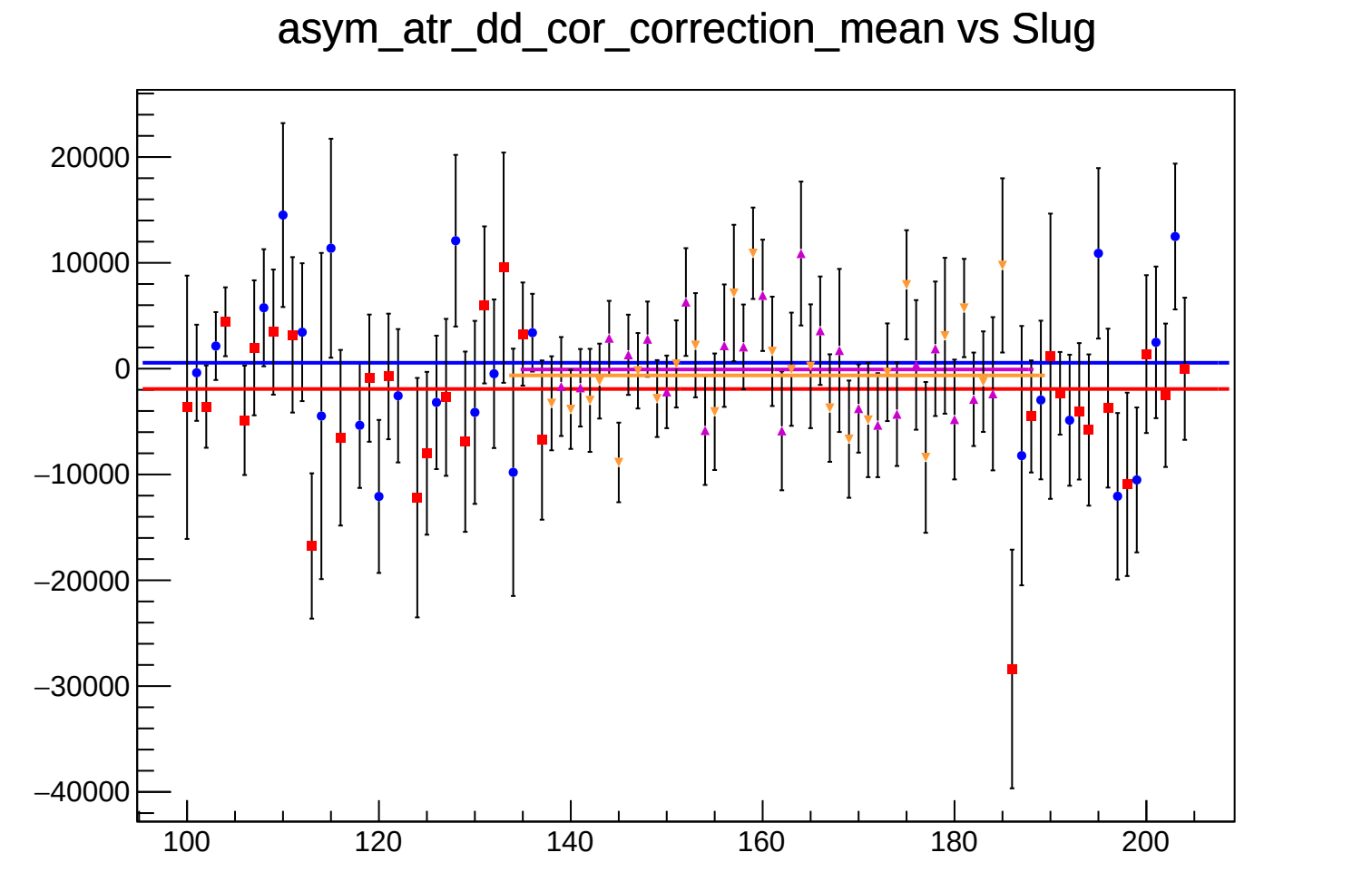
Right Out: 1927.831+/-0.354 χ^2/NDF: 381274.4/29

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1864.991+/-0.232 χ^2/NDF: 767240.8/48

All: 1866.704+/-0.163 χ^2/NDF: 1210822.6/10

- sign 1868.374+/-0.229 χ^2/NDF: 443474.4/52



Right In: 555.287+/-1290.081 χ^2/NDF: 24.9/23

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1920.694+/-1145.450 χ^2/NDF: 24.3/29

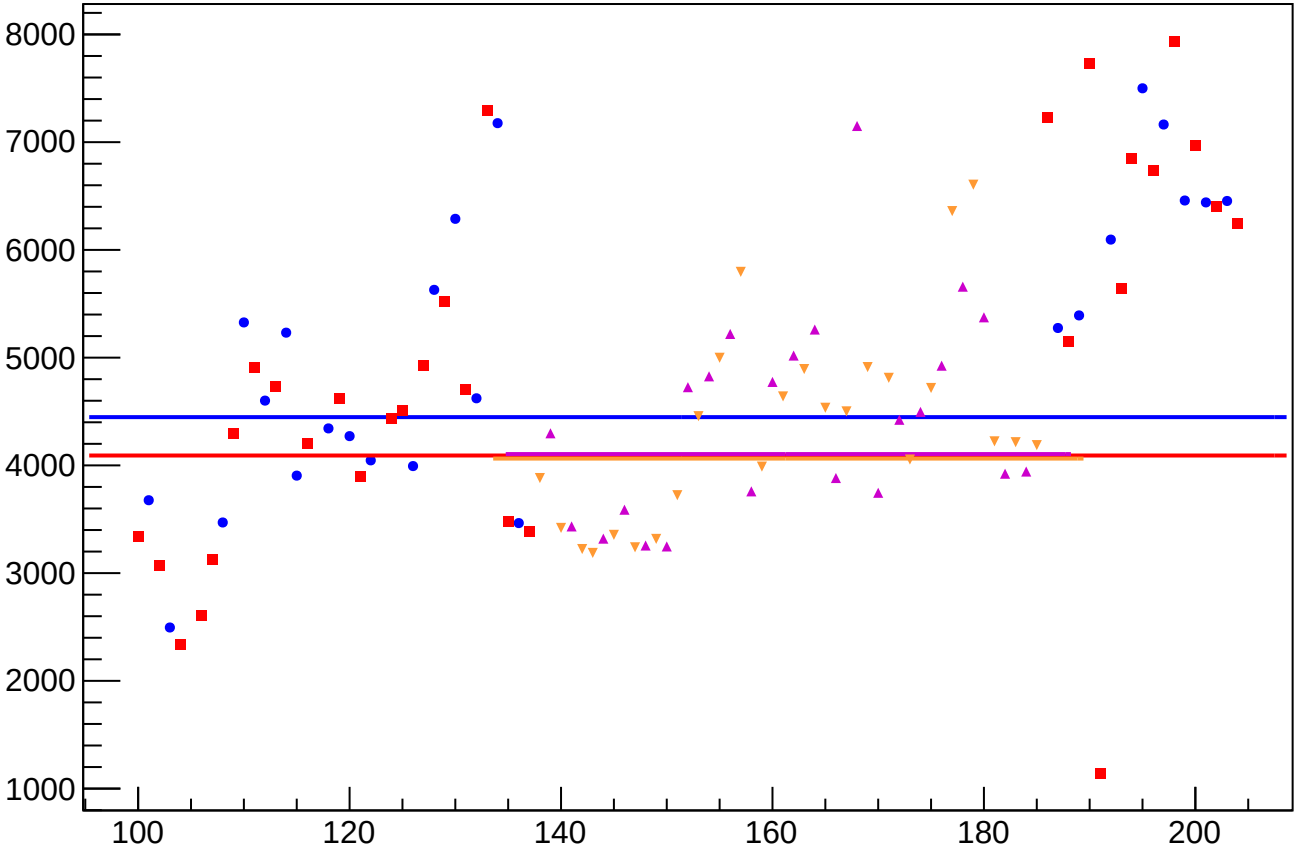
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -220.050+/-763.330 χ^2/NDF: 51.4/48

All: -545.709+/-533.069 χ^2/NDF: 93.1/101

- sign -855.717+/-744.760 χ^2/NDF: 41.3/52

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4447.887+/-0.912 χ^2/NDF: 2504600.8/23

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

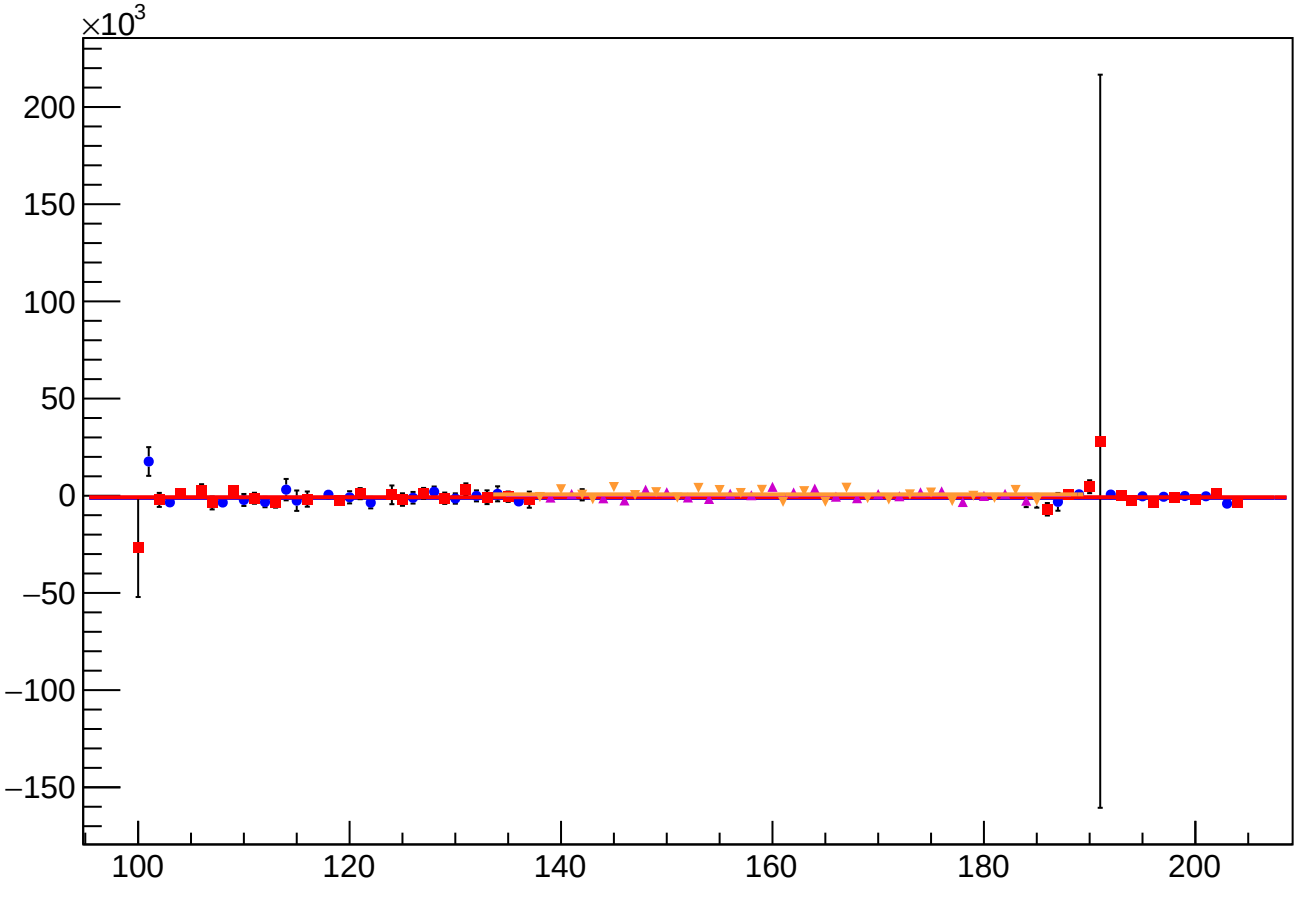
Right Out: 4091.643+/-0.810 χ^2/NDF: 4640522.3/29

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4197.817+/-0.540 χ^2/NDF: 4025261.6/48

All: 4147.388+/-0.377 χ^2/NDF: 10042482.7/1

- sign 4099.382+/-0.527 χ^2/NDF: 6000182.3/52



Right In: -1112.129+/-536.689 χ^2/NDF: 17.8/23

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -767.075+/-500.361 χ^2/NDF: 22.4/29

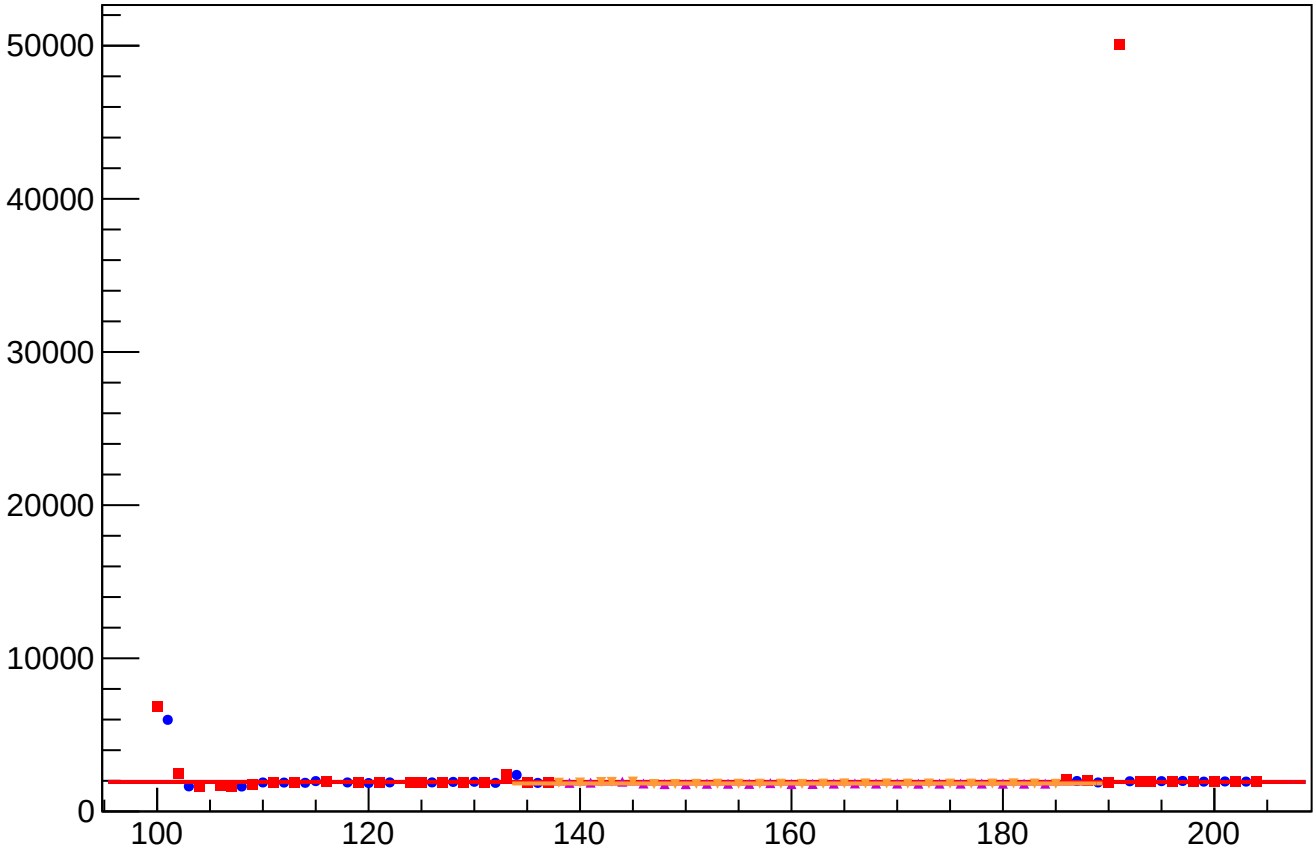
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 24.762+/-328.488 χ^2/NDF: 56.9/48

All: -32.827+/-230.839 χ^2/NDF: 103.3/101

- sign -89.013+/-324.459 χ^2/NDF: 46.3/52

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1926.337+/-0.379 χ^2/NDF: 706127.0/23

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

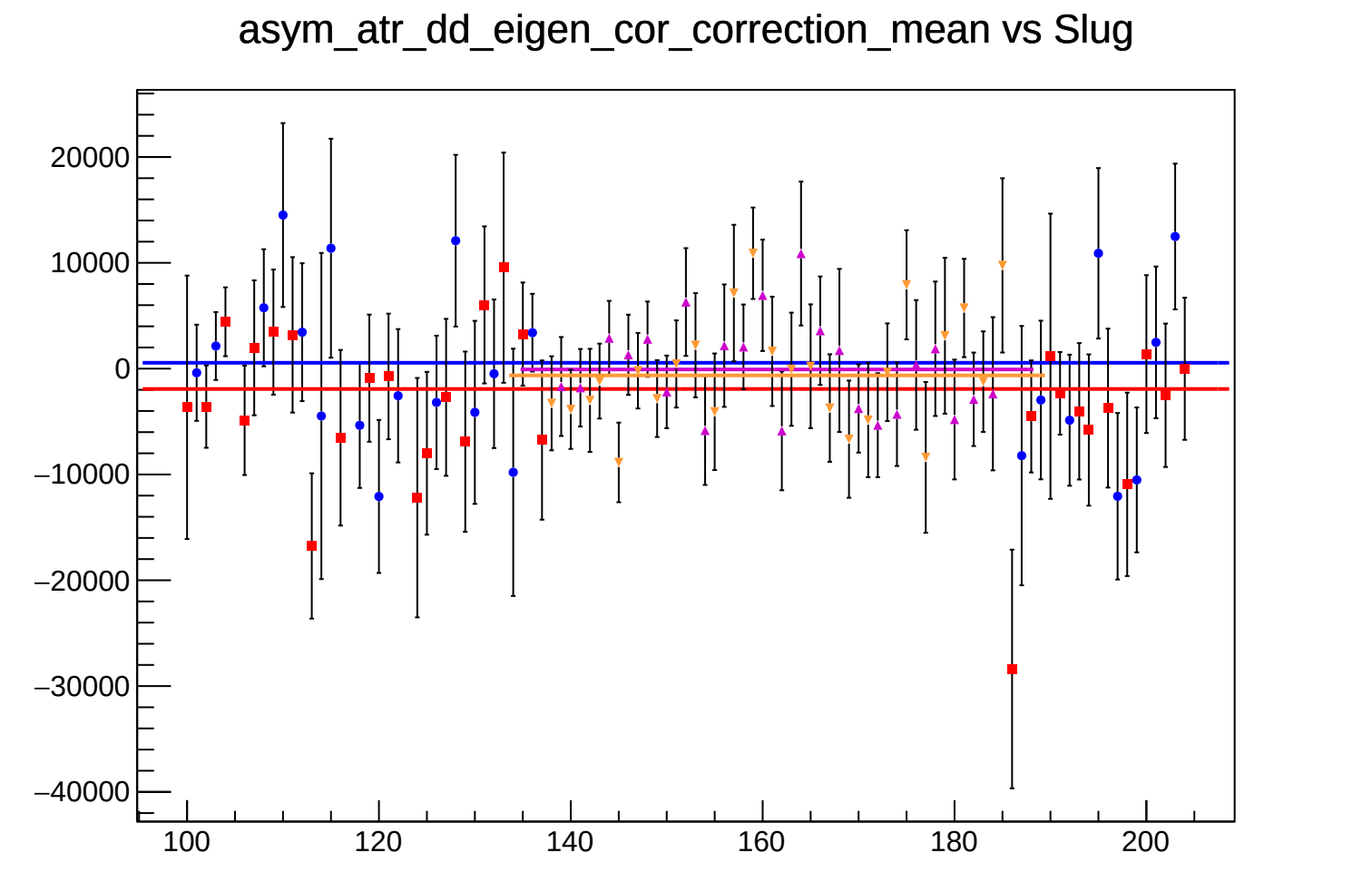
Right Out: 1927.831+/-0.354 χ^2/NDF: 381274.4/29

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1864.991+/-0.232 χ^2/NDF: 767240.8/48

All: 1866.704+/-0.163 χ^2/NDF: 1210822.6/10

- sign 1868.374+/-0.229 χ^2/NDF: 443474.4/52



Right In: 555.287+/-1290.081 χ^2/NDF: 24.9/23

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1920.694+/-1145.450 χ^2/NDF: 24.3/29

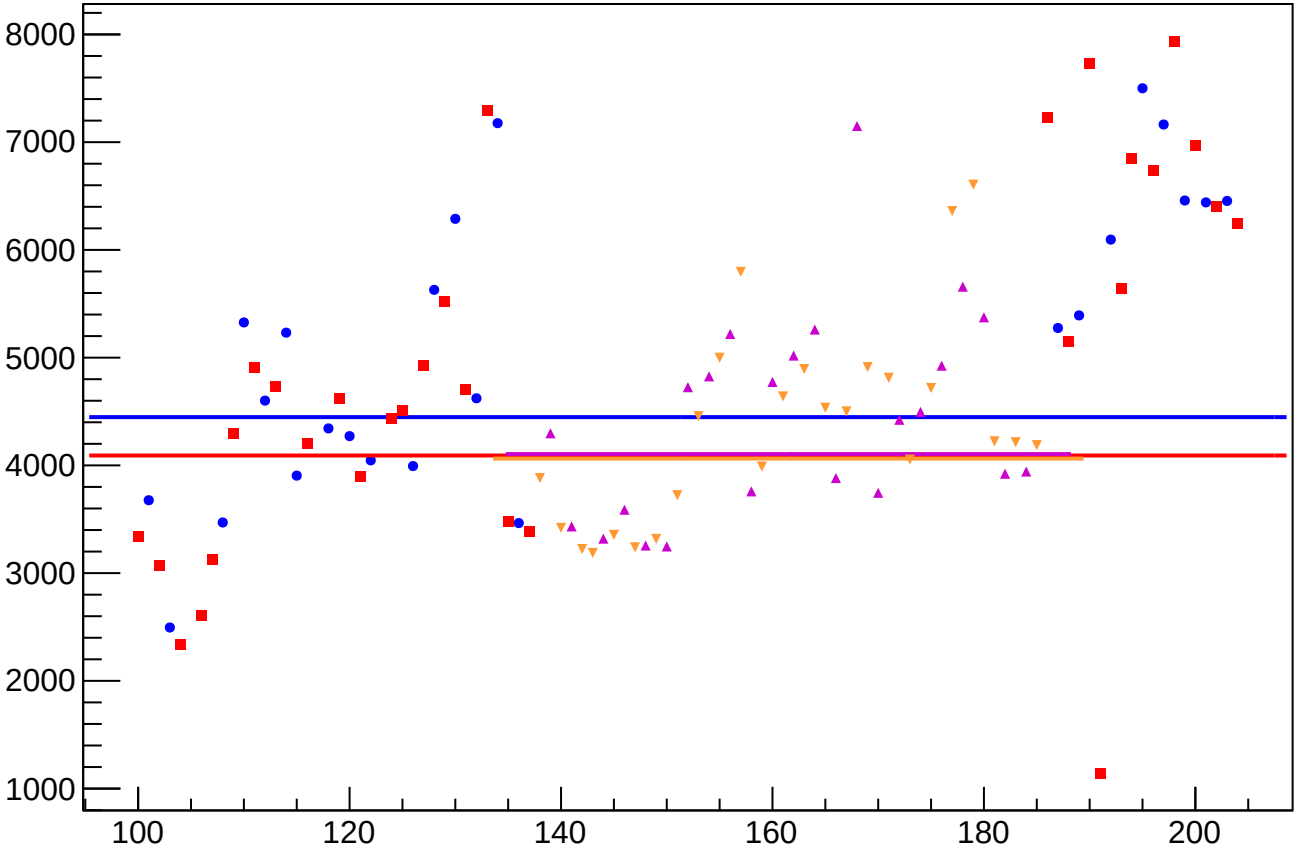
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -220.050+/-763.330 χ^2/NDF: 51.4/48

All: -545.709+/-533.069 χ^2/NDF: 93.1/101

- sign -855.717+/-744.760 χ^2/NDF: 41.3/52

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4447.887+/-0.912 χ^2/NDF: 2504600.8/23

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4091.643+/-0.810 χ^2/NDF: 4640522.3/29

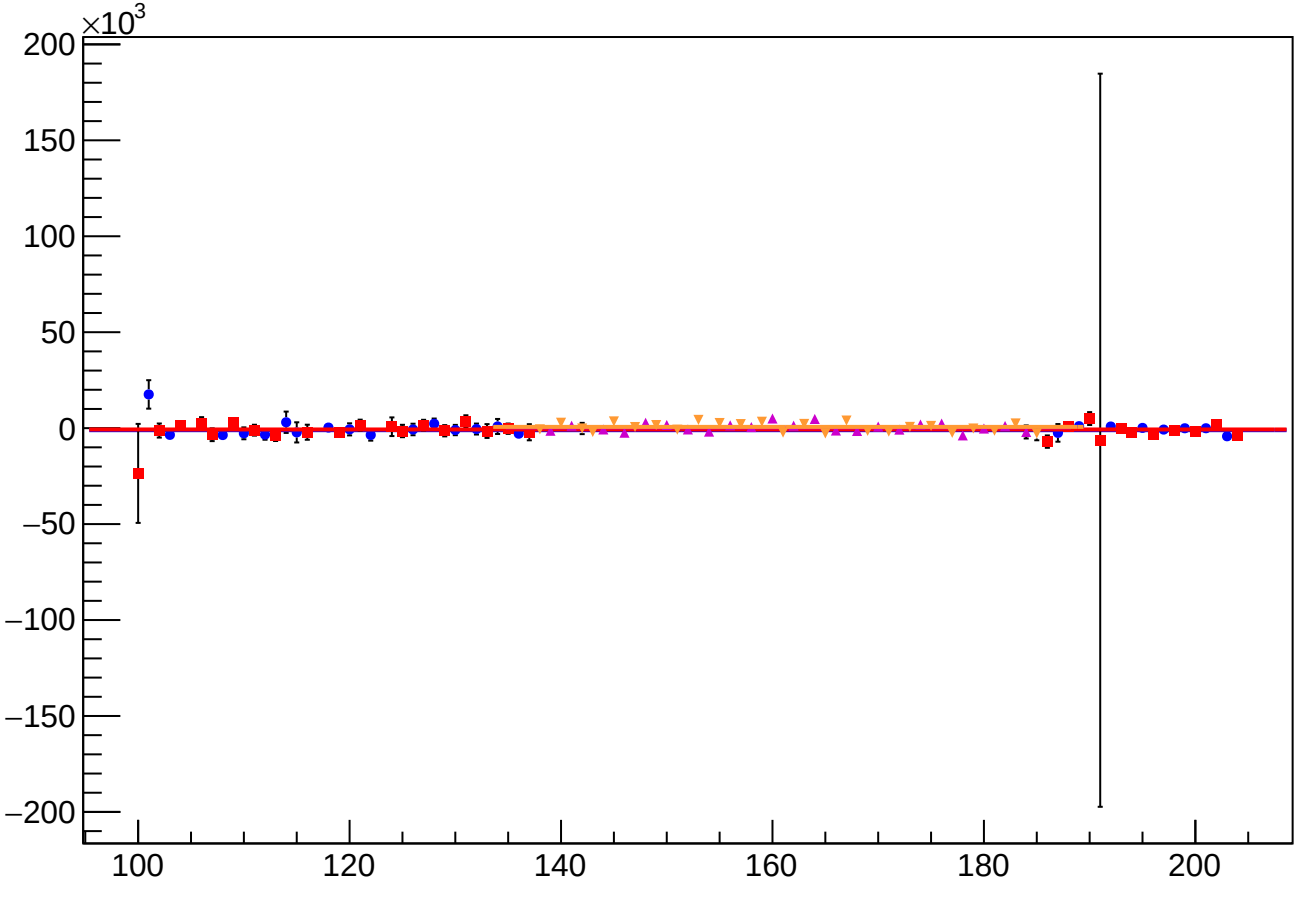
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4197.817+/-0.540 χ^2/NDF: 4025261.6/48

All: 4147.388+/-0.377 χ^2/NDF: 10042482.7/1

- sign 4099.382+/-0.527 χ^2/NDF: 6000182.3/52

dit_asym_atr_dd_mean vs Slug



Right In: -1063.097+/-541.609 χ^2/NDF: 18.6/23

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -689.286+/-505.349 χ^2/NDF: 24.5/29

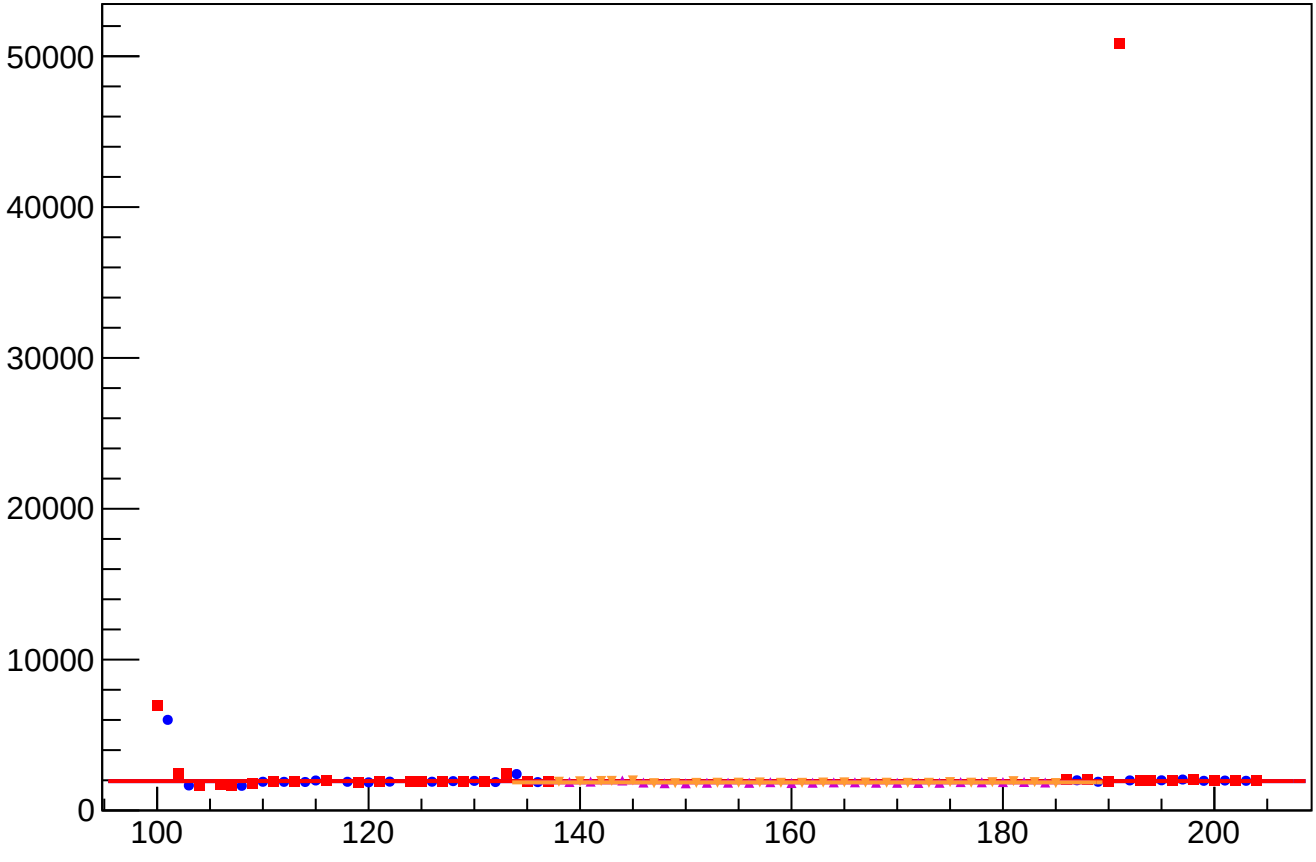
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 5.568+/-333.405 χ^2/NDF: 51.9/48

All: -25.581+/-234.246 χ^2/NDF: 102.8/101

- sign -55.947+/-329.183 χ^2/NDF: 50.9/52

dit_asym_atr_dd_rms vs Slug



Right In: 1943.823+/-0.383 χ^2/NDF: 708722.7/23

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

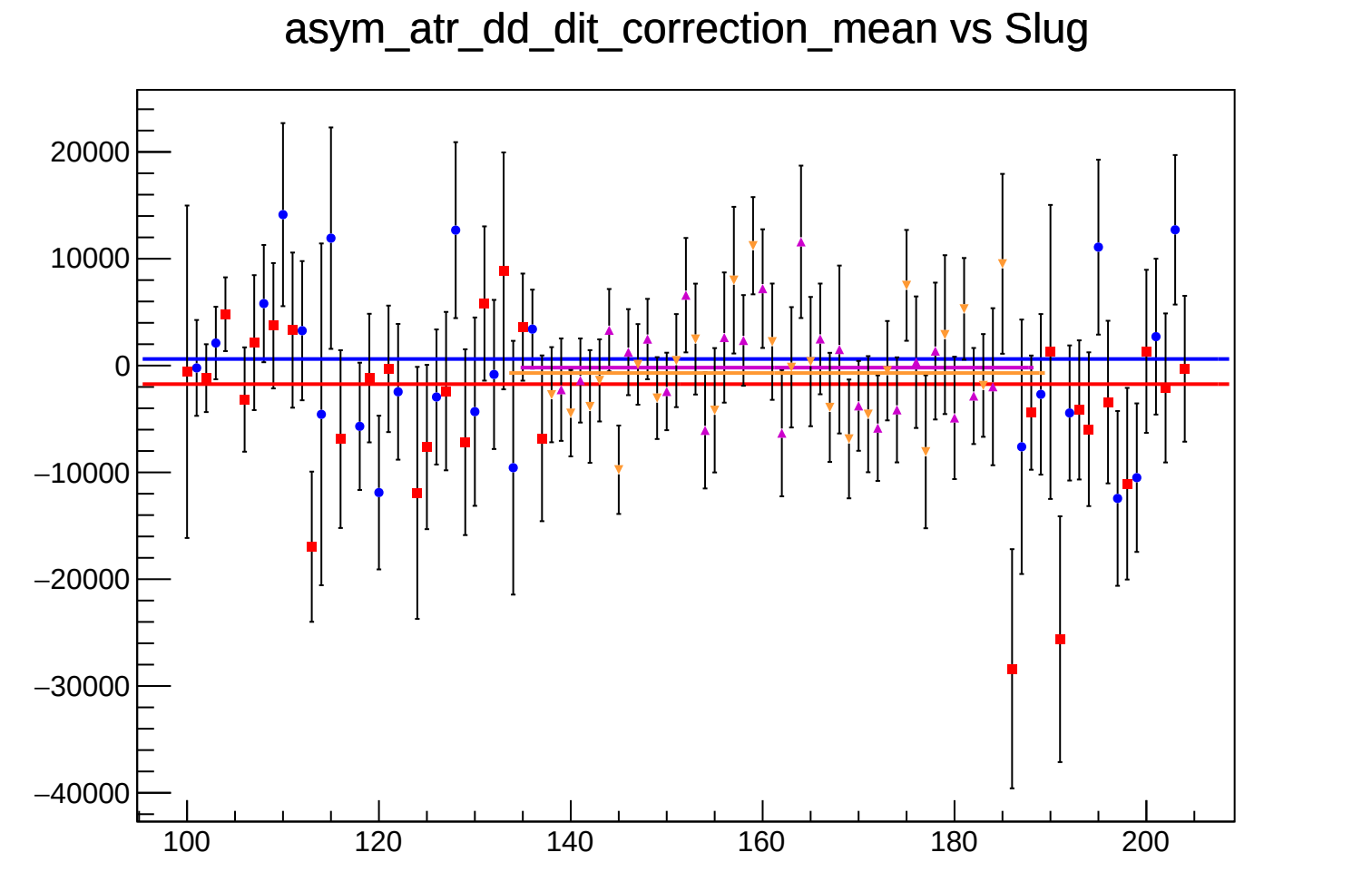
Right Out: 1946.707+/-0.357 χ^2/NDF: 389683.8/29

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1892.839+/-0.236 χ^2/NDF: 763273.8/48

All: 1894.171+/-0.166 χ^2/NDF: 1205172.8/10

- sign 1895.468+/-0.233 χ^2/NDF: 441836.1/52



Right In: 614.959+/-1307.086 χ^2/NDF: 24.7/23

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

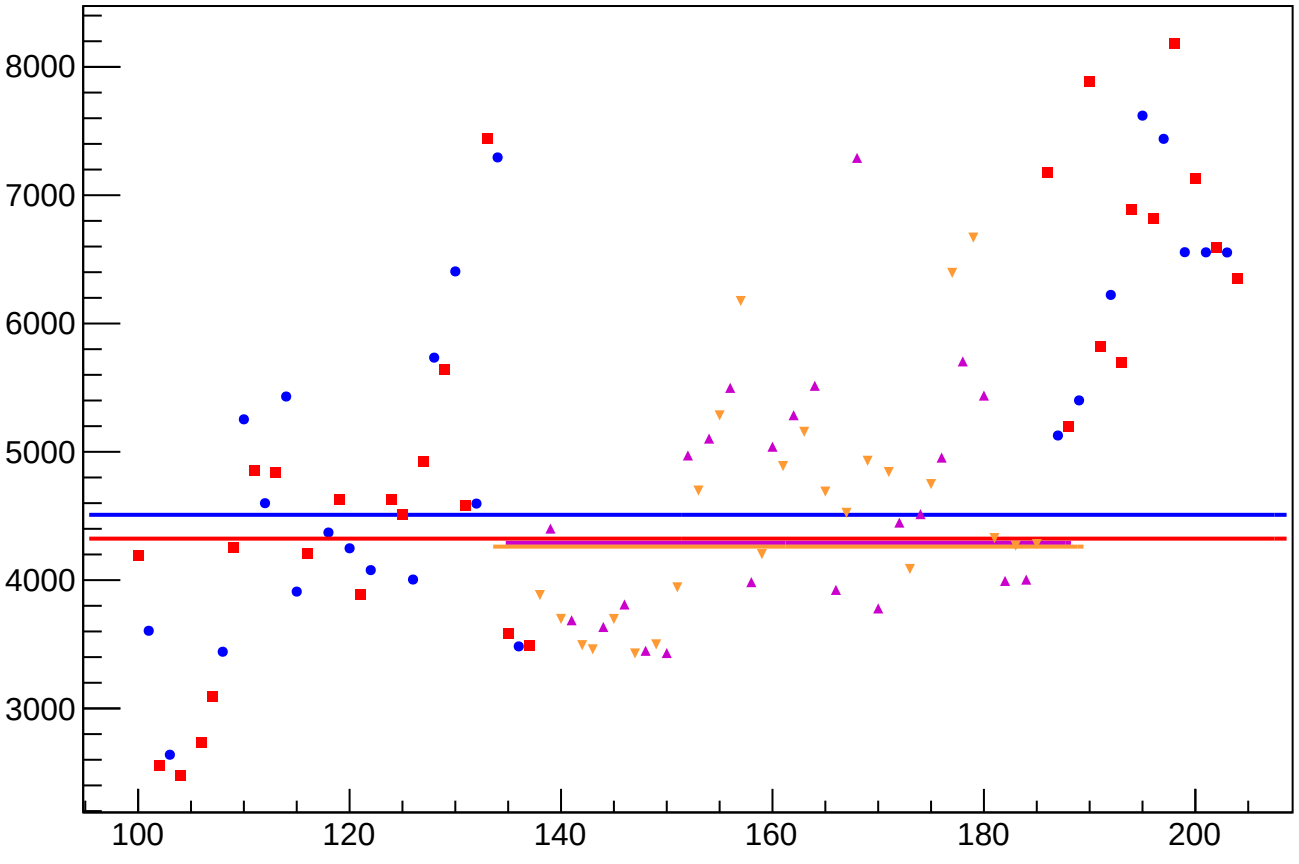
Right Out: -1737.529+/-1178.781 χ^2/NDF: 28.0/29

Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -219.531+/-789.202 χ^2/NDF: 50.6/48

All: -544.537+/-552.010 χ^2/NDF: 95.1/101

- sign -855.844+/-772.390 χ^2/NDF: 44.1/52



Right In: 4509.058+/-0.924 χ^2/NDF: 2446238.0/23

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

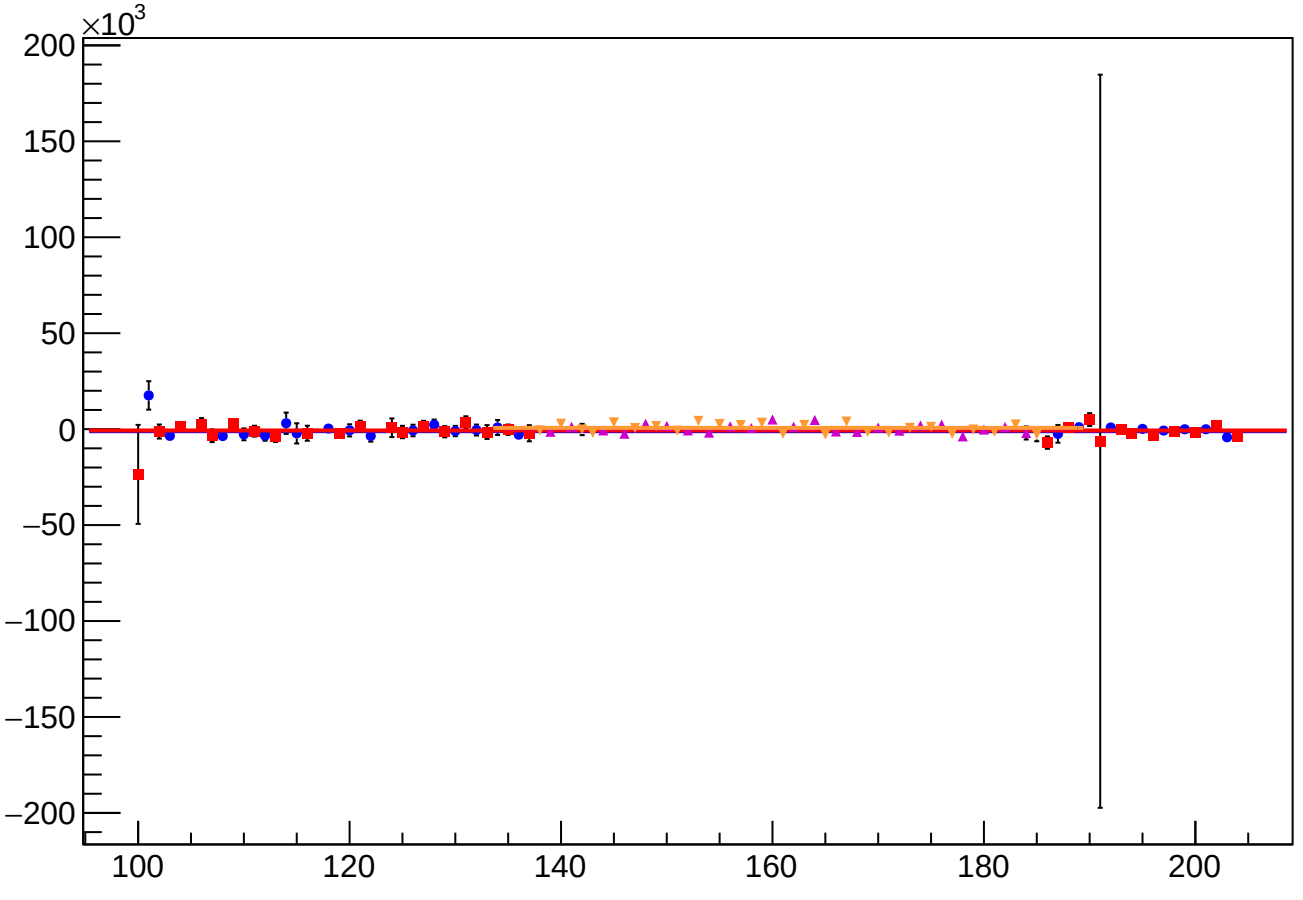
Right Out: 4323.518+/-0.834 χ^2/NDF: 3745268.2/29

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4351.511+/-0.558 χ^2/NDF: 3682526.1/48

All: 4327.560+/-0.390 χ^2/NDF: 8646266.5/10

- sign 4304.618+/-0.546 χ^2/NDF: 4960133.9/52



Right In: -1063.097+/-541.609 χ^2/NDF: 18.6/23

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -689.284+/-505.349 χ^2/NDF: 24.5/29

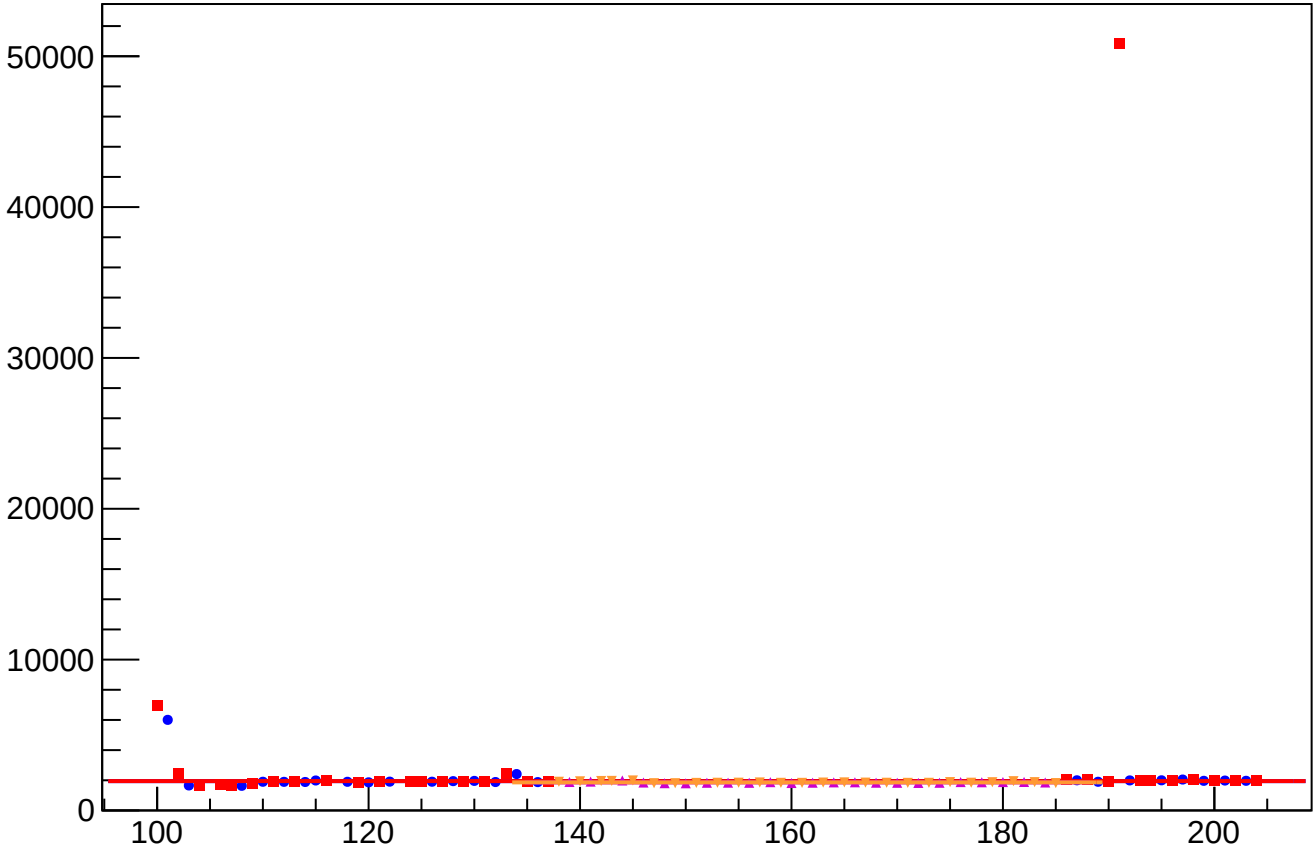
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 5.571+/-333.405 χ^2/NDF: 51.9/48

All: -25.580+/-234.246 χ^2/NDF: 102.8/101

- sign -55.946+/-329.183 χ^2/NDF: 50.9/52

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1943.823+/-0.383 χ^2/NDF: 708722.5/23

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

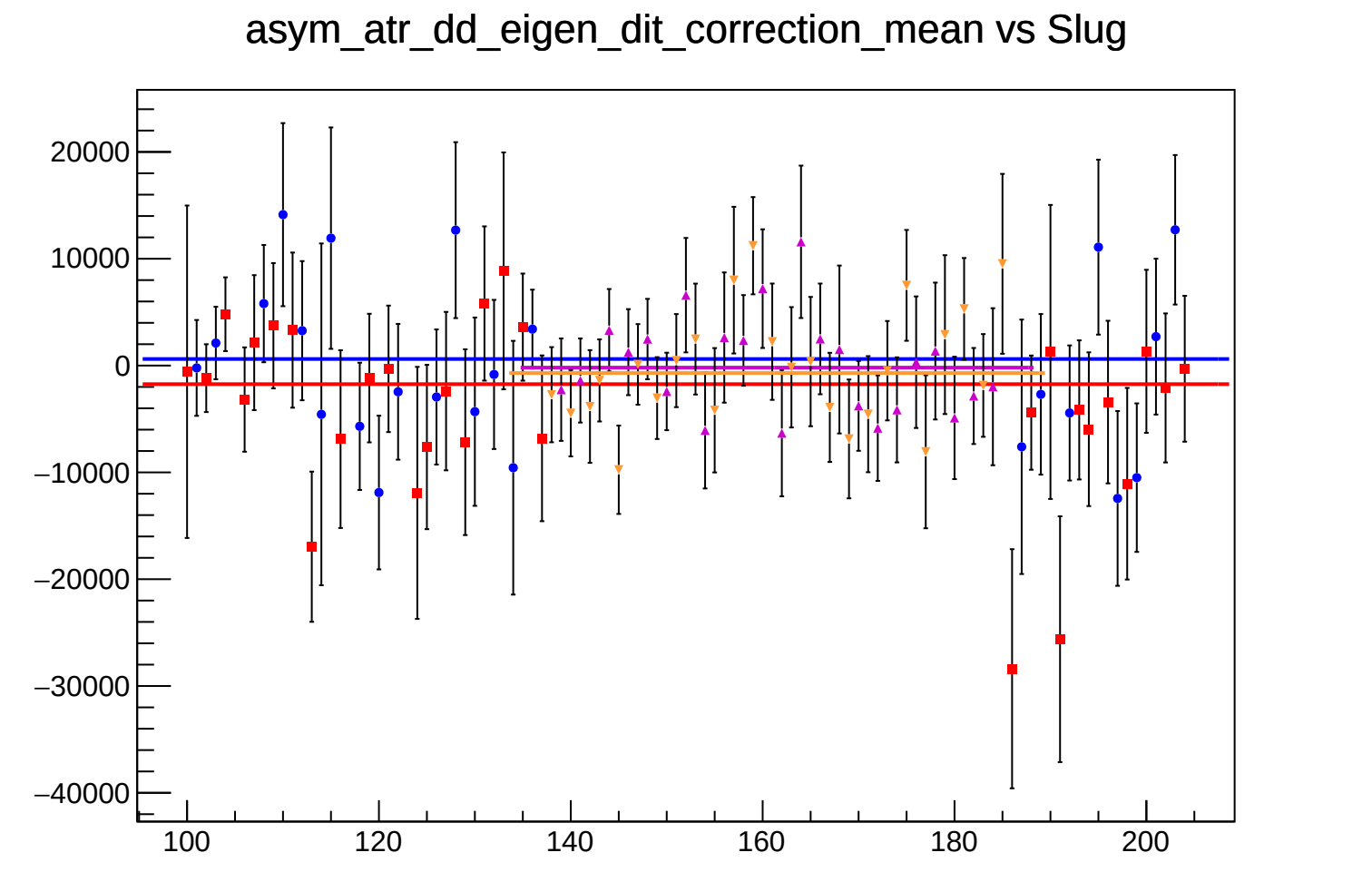
Right Out: 1946.707+/-0.357 χ^2/NDF: 389684.0/29

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1892.839+/-0.236 χ^2/NDF: 763273.2/48

All: 1894.171+/-0.166 χ^2/NDF: 1205172.0/10

- sign 1895.469+/-0.233 χ^2/NDF: 441835.8/52



Right In: 614.948+/-1307.085 χ^2/NDF: 24.7/23

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -1737.527+/-1178.780 χ^2/NDF: 28.0/29

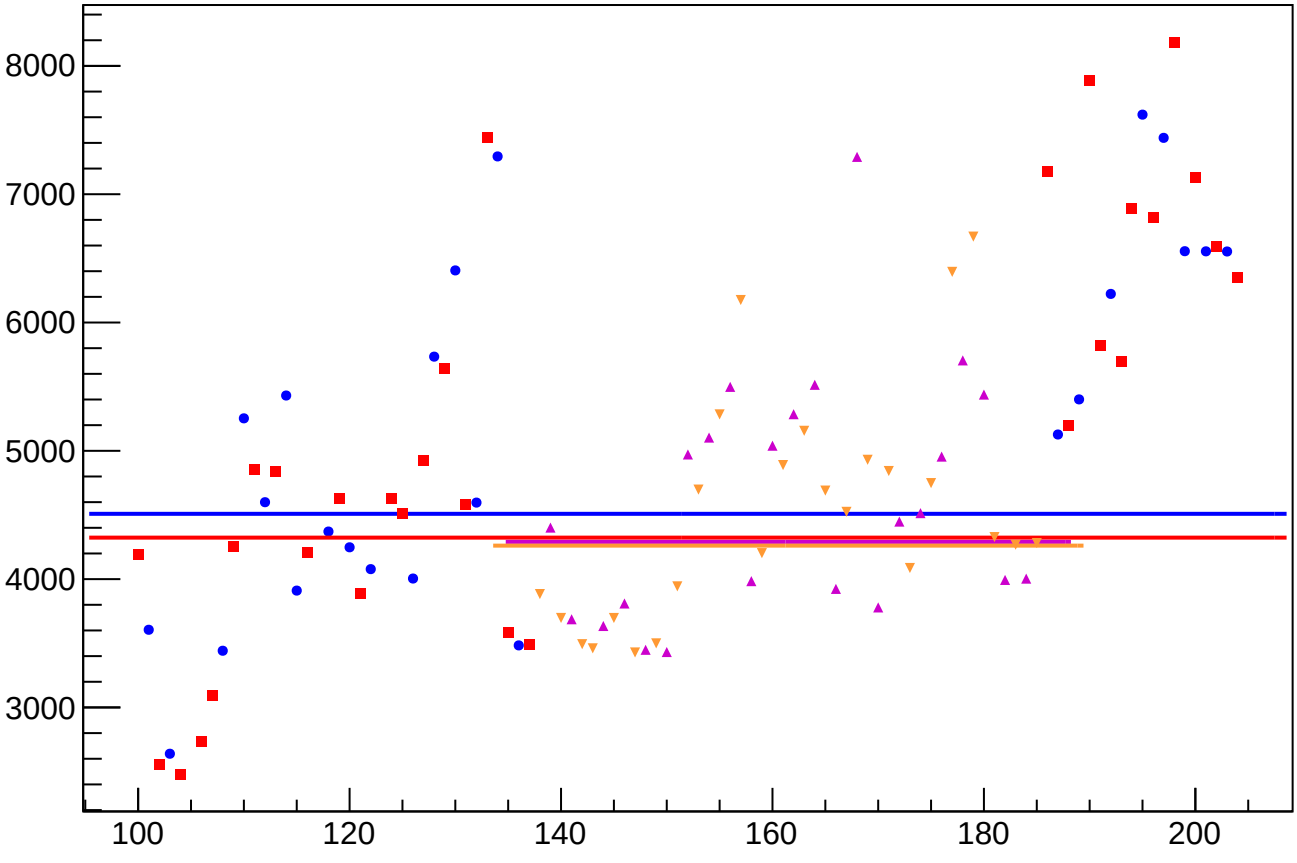
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -219.533+/-789.202 χ^2/NDF: 50.6/48

All: -544.539+/-552.011 χ^2/NDF: 95.1/101

- sign -855.846+/-772.391 χ^2/NDF: 44.1/52

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4509.056+/-0.924 χ^2/NDF: 2446240.0/23

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4323.516+/-0.834 χ^2/NDF: 3745271.0/29

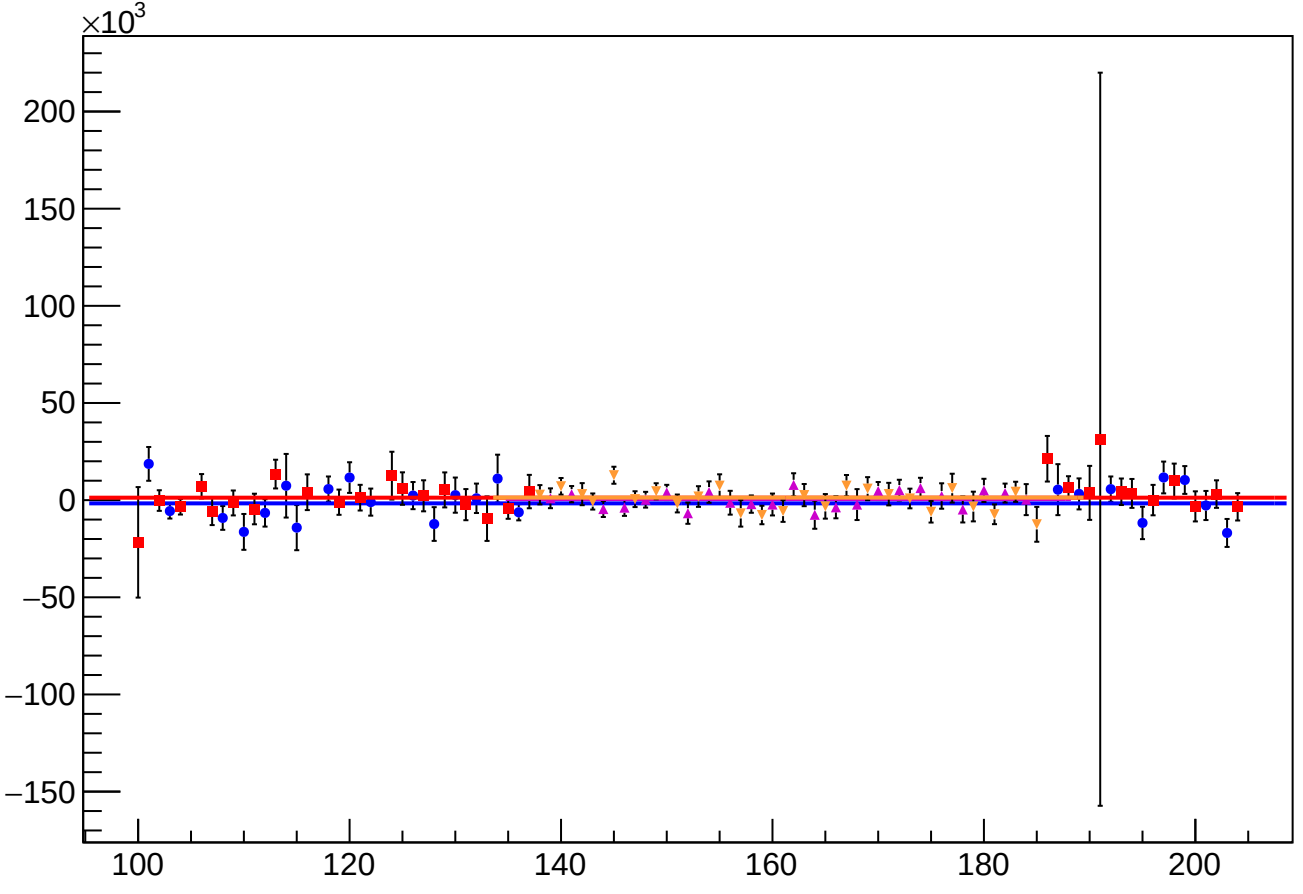
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4351.514+/-0.558 χ^2/NDF: 3682527.7/48

All: 4327.563+/-0.390 χ^2/NDF: 8646276.4/10

- sign 4304.621+/-0.546 χ^2/NDF: 4960142.1/52

asym_atr_dd_mean vs Slug



Right In: -1659.978+/-1459.857 χ^2/NDF: 34.4/23

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 1267.704+/-1351.099 χ^2/NDF: 17.0/29

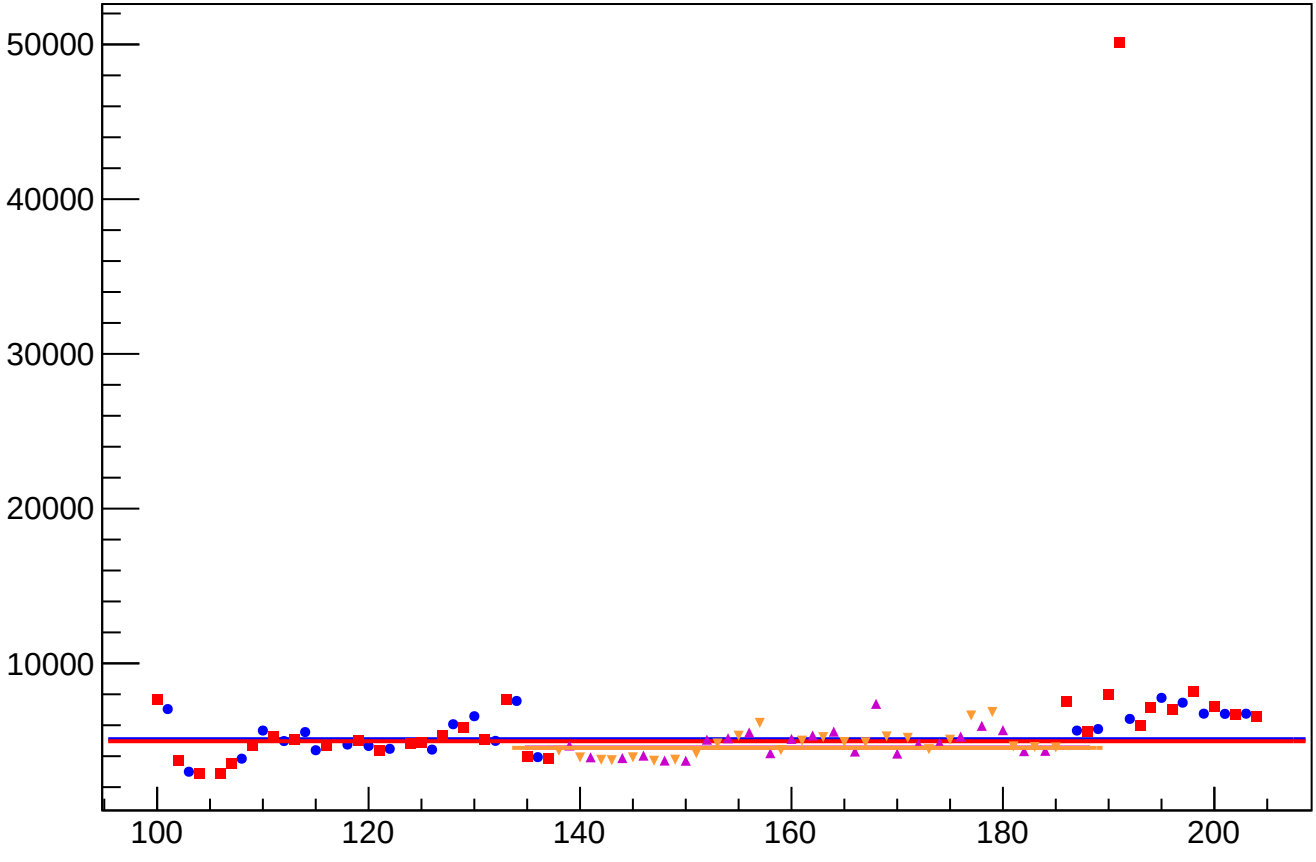
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 290.309+/-852.177 χ^2/NDF: 65.6/48

All: 570.923+/-599.890 χ^2/NDF: 97.4/101

- sign 846.583+/-844.619 χ^2/NDF: 31.6/52

asym_atr_dd_rms vs Slug



Right In: 5097.336+/-1.032 χ^2/NDF: 1933663.6/23

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

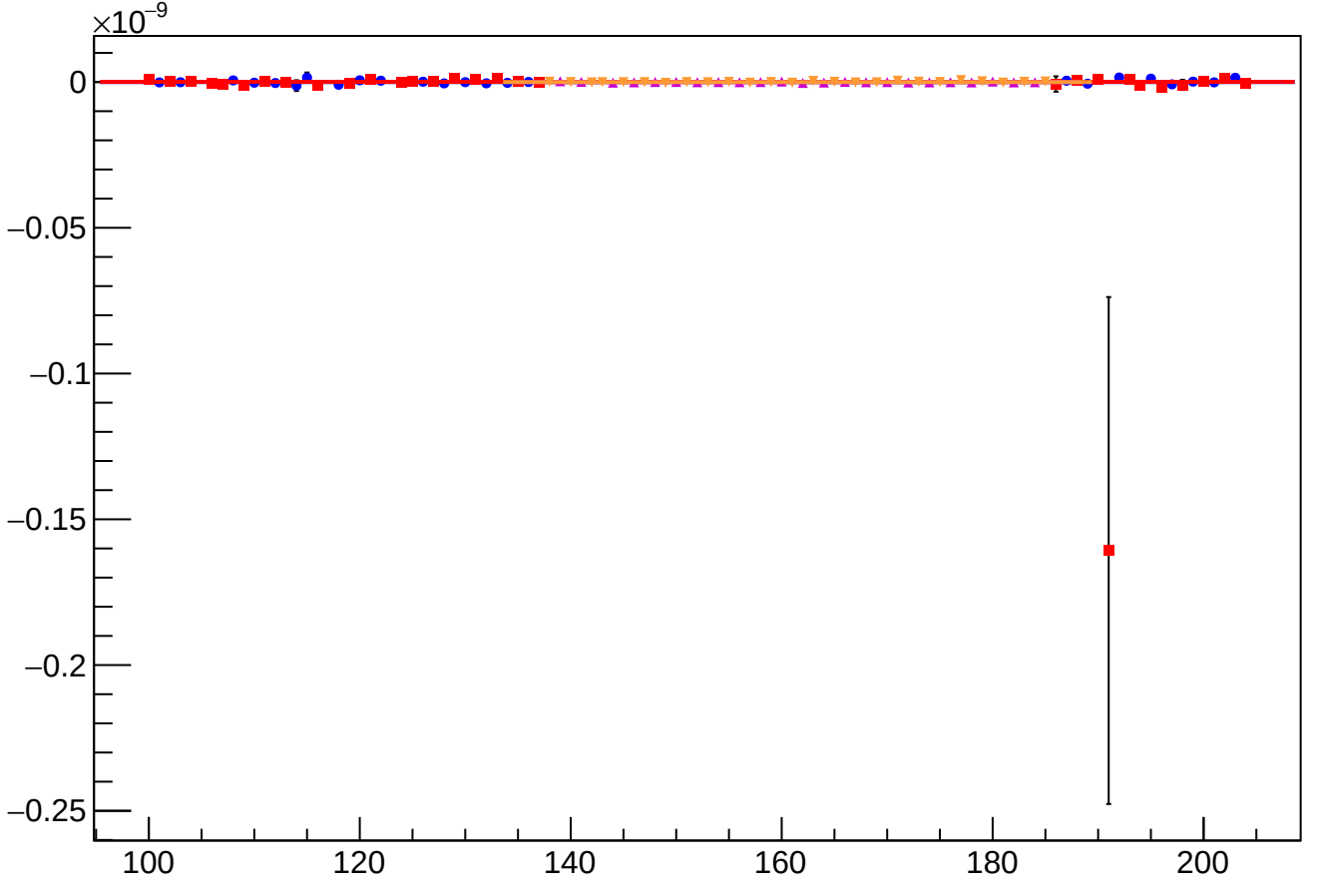
Right Out: 4966.758+/-0.950 χ^2/NDF: 2635077.4/29

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4728.552+/-0.603 χ^2/NDF: 3120169.6/48

All: 4724.415+/-0.424 χ^2/NDF: 6846463.4/10

- sign 4720.369+/-0.596 χ^2/NDF: 3726200.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/29

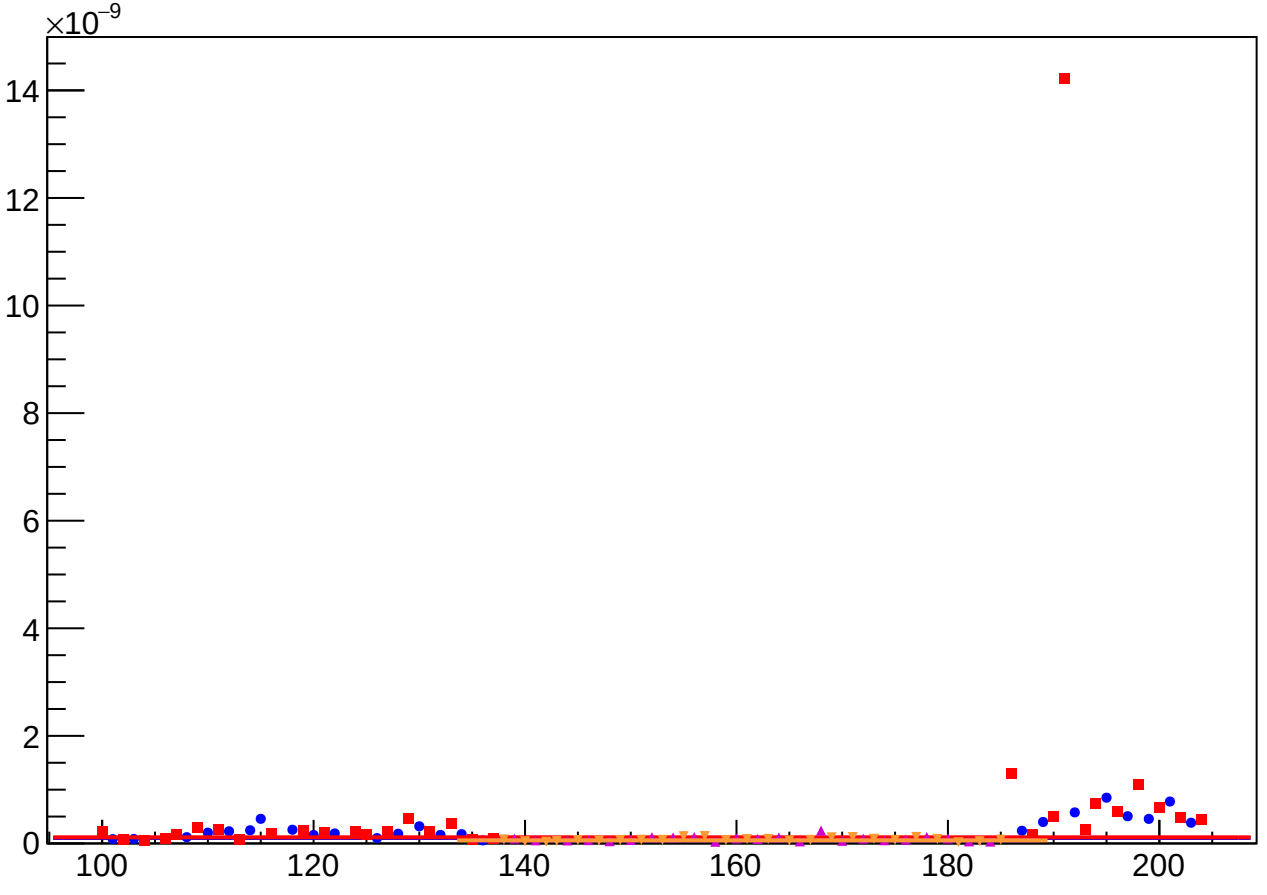
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.3/48

All: -0.000+/-0.000 χ^2/NDF: 117.9/101

- sign -0.000+/-0.000 χ^2/NDF: 58.1/52

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4363941.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5576445.4/29

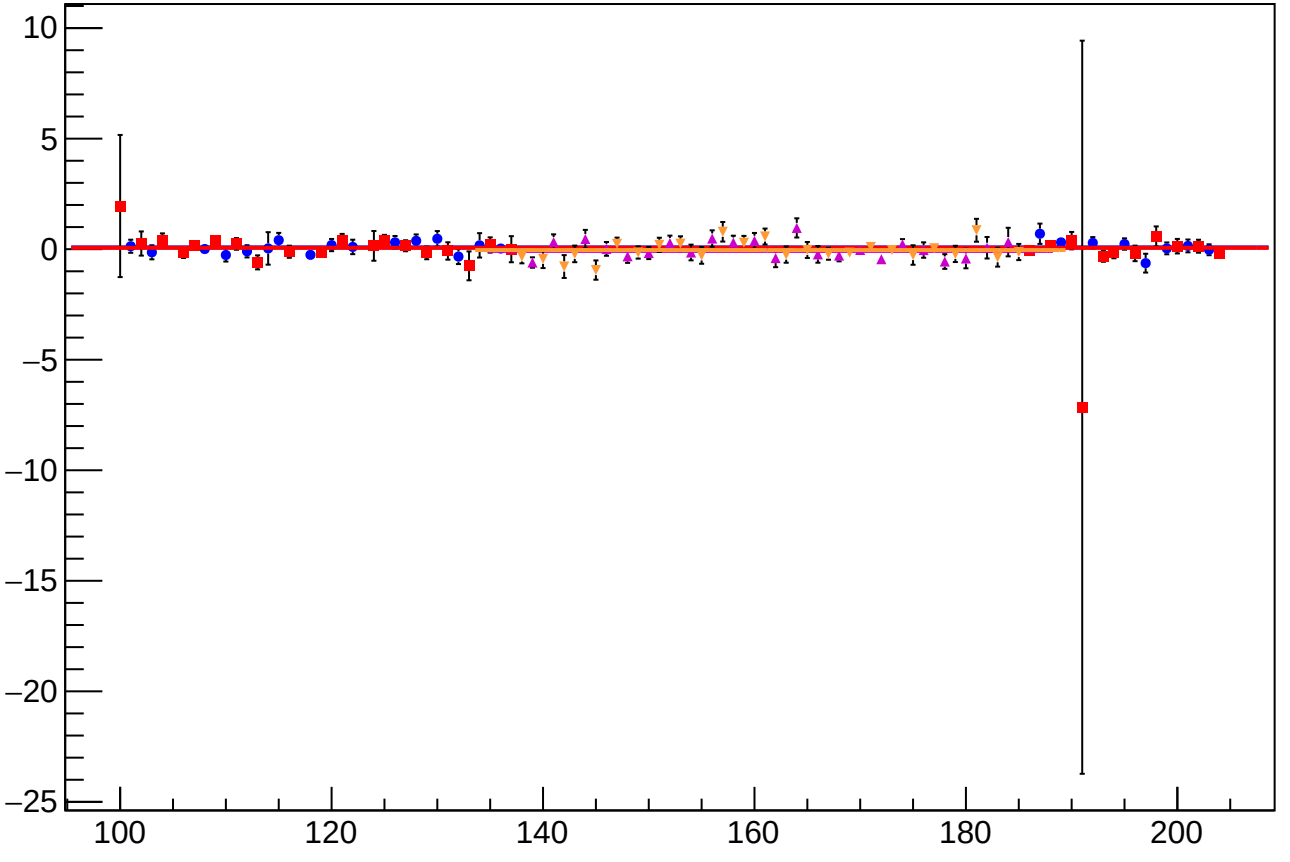
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7201240.0/48

All: 0.000+/-0.000 χ^2/NDF: 16107883.3/101

- sign 0.000+/-0.000 χ^2/NDF: 8900000.0/52

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.080+/-0.057 χ^2/NDF: 18.1/23

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.062+/-0.051 χ^2/NDF: 26.3/29

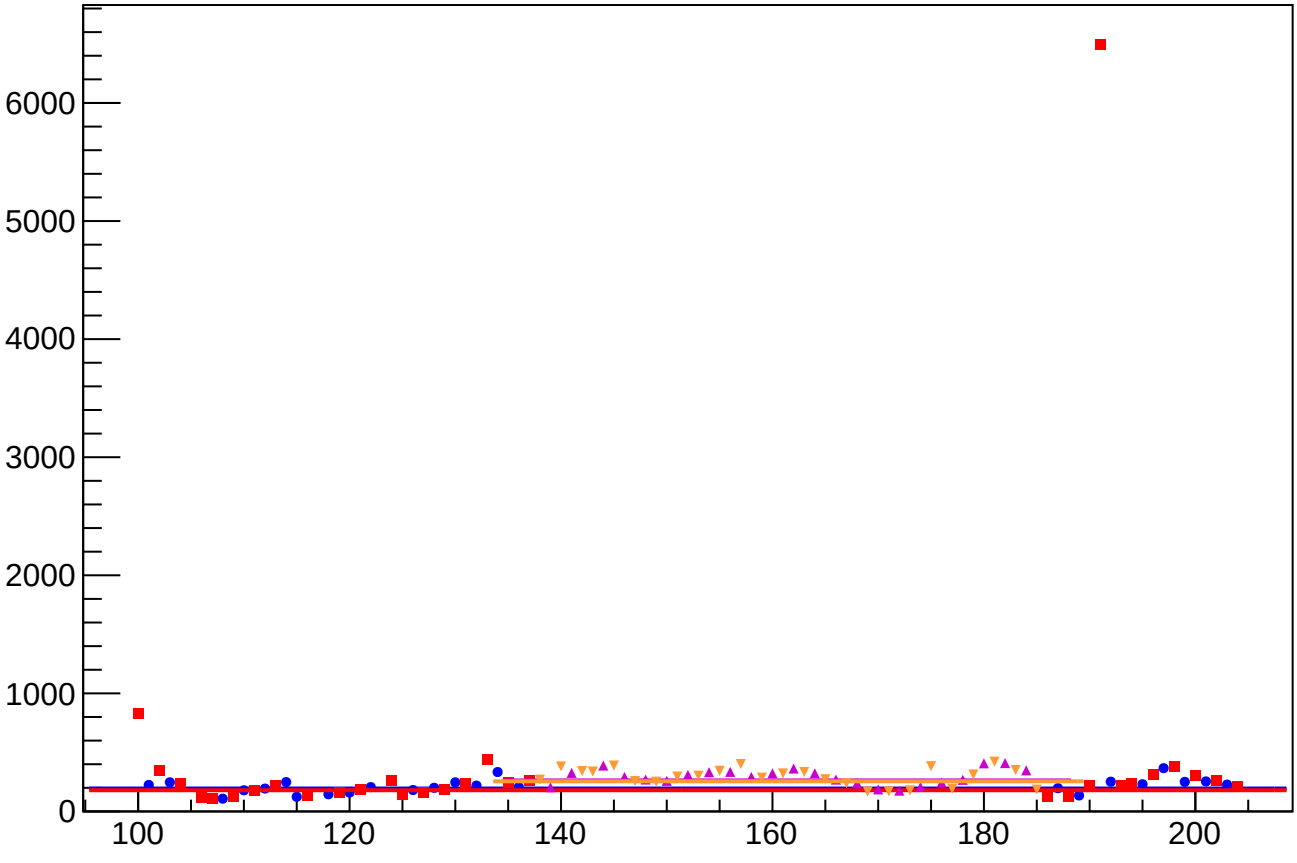
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.026+/-0.042 χ^2/NDF: 44.6/48

All: 0.017+/-0.029 χ^2/NDF: 104.9/101

- sign 0.009+/-0.040 χ^2/NDF: 60.3/52

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 194.101+/-0.040 χ^2/NDF: 1862563.8/23

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 179.769+/-0.036 χ^2/NDF: 3526728.9/29

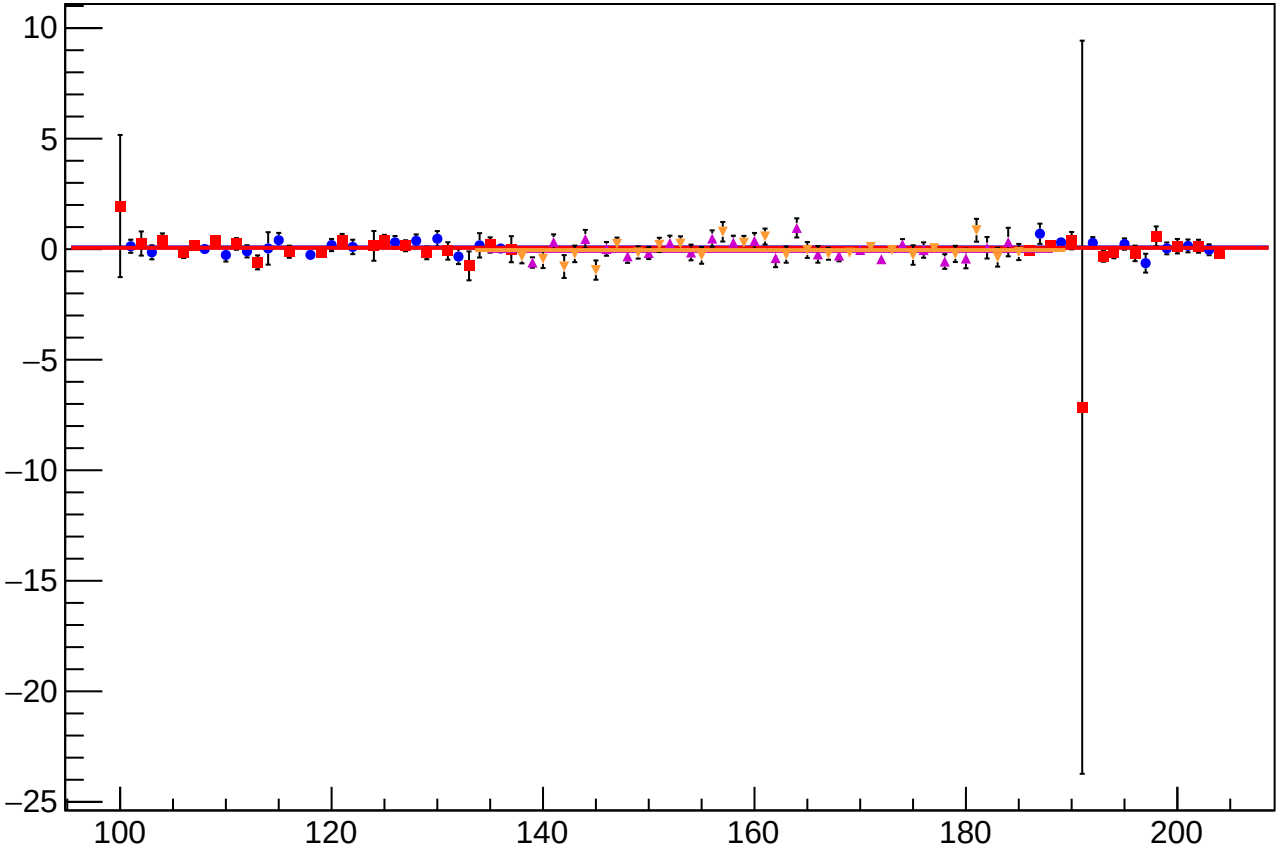
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 222.128+/-0.030 χ^2/NDF: 5859484.1/48

All: 216.487+/-0.020 χ^2/NDF: 13509926.0/10

- sign 211.340+/-0.028 χ^2/NDF: 7581069.8/52

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.080+/-0.057 χ^2/NDF: 18.1/23

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.062+/-0.051 χ^2/NDF: 26.3/29

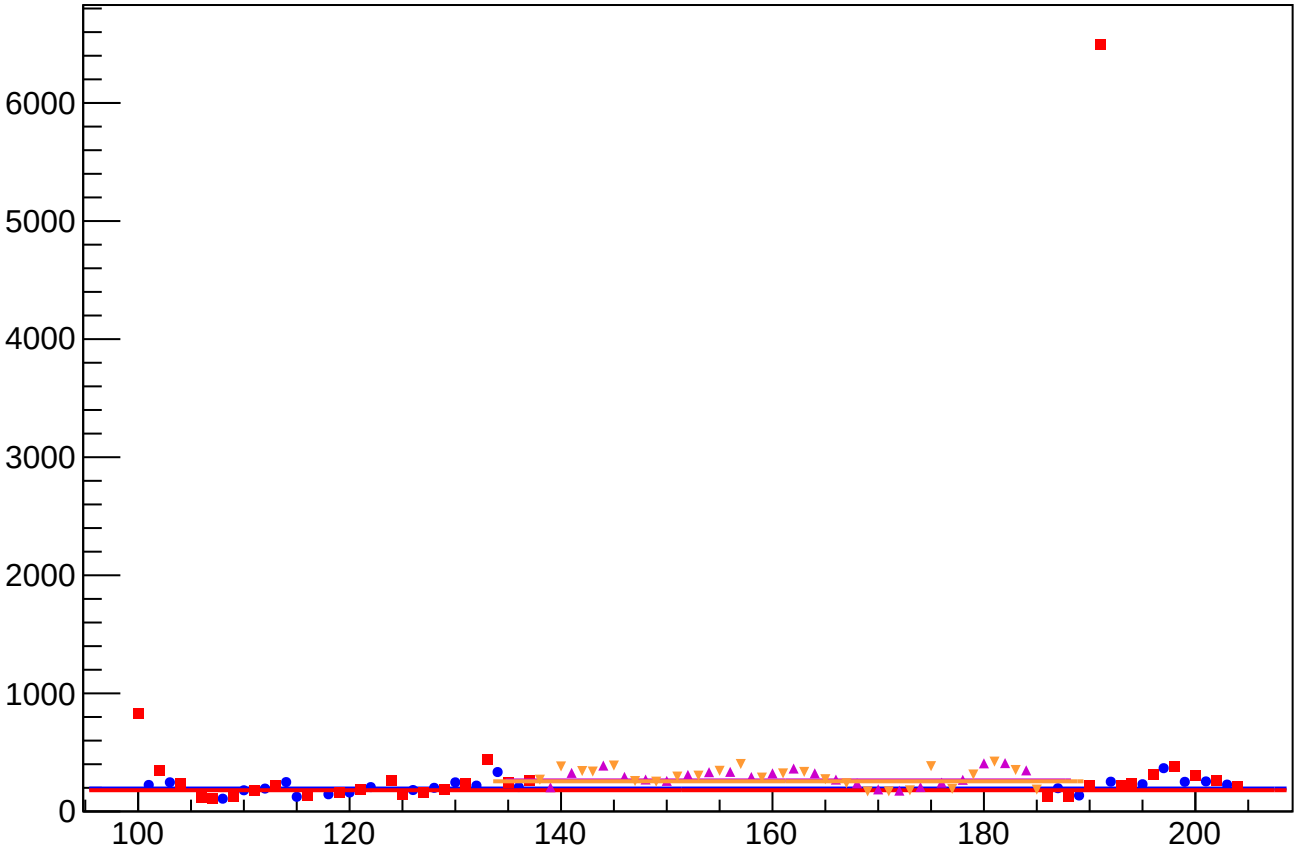
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.026+/-0.042 χ^2/NDF: 44.6/48

All: 0.017+/-0.029 χ^2/NDF: 104.9/101

- sign 0.009+/-0.040 χ^2/NDF: 60.3/52

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 194.101+/-0.040 χ^2/NDF: 1862563.8/23

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 179.769+/-0.036 χ^2/NDF: 3526728.9/29

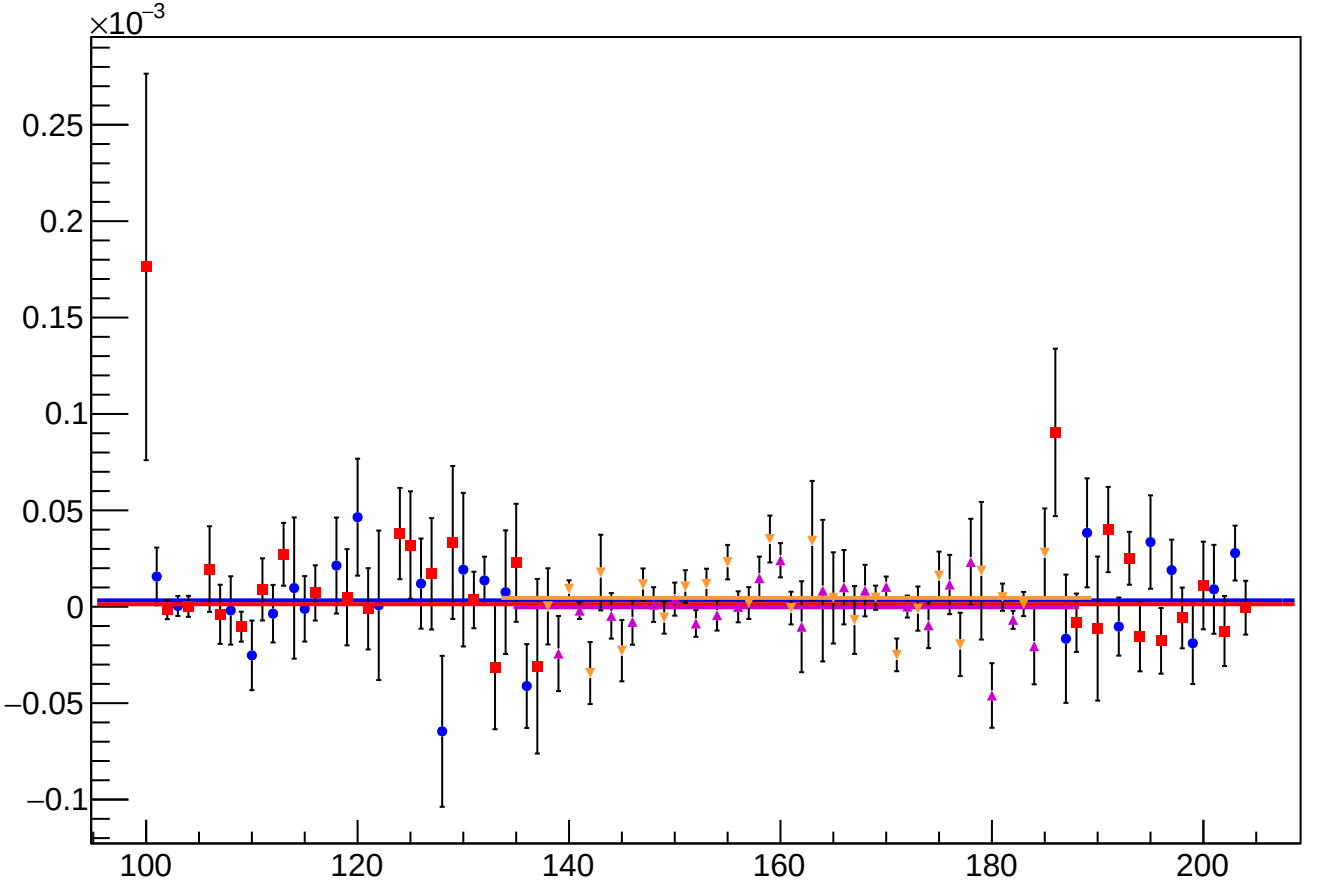
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 222.128+/-0.030 χ^2/NDF: 5859484.1/48

All: 216.487+/-0.020 χ^2/NDF: 13509926.0/10

- sign 211.340+/-0.028 χ^2/NDF: 7581069.8/52

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

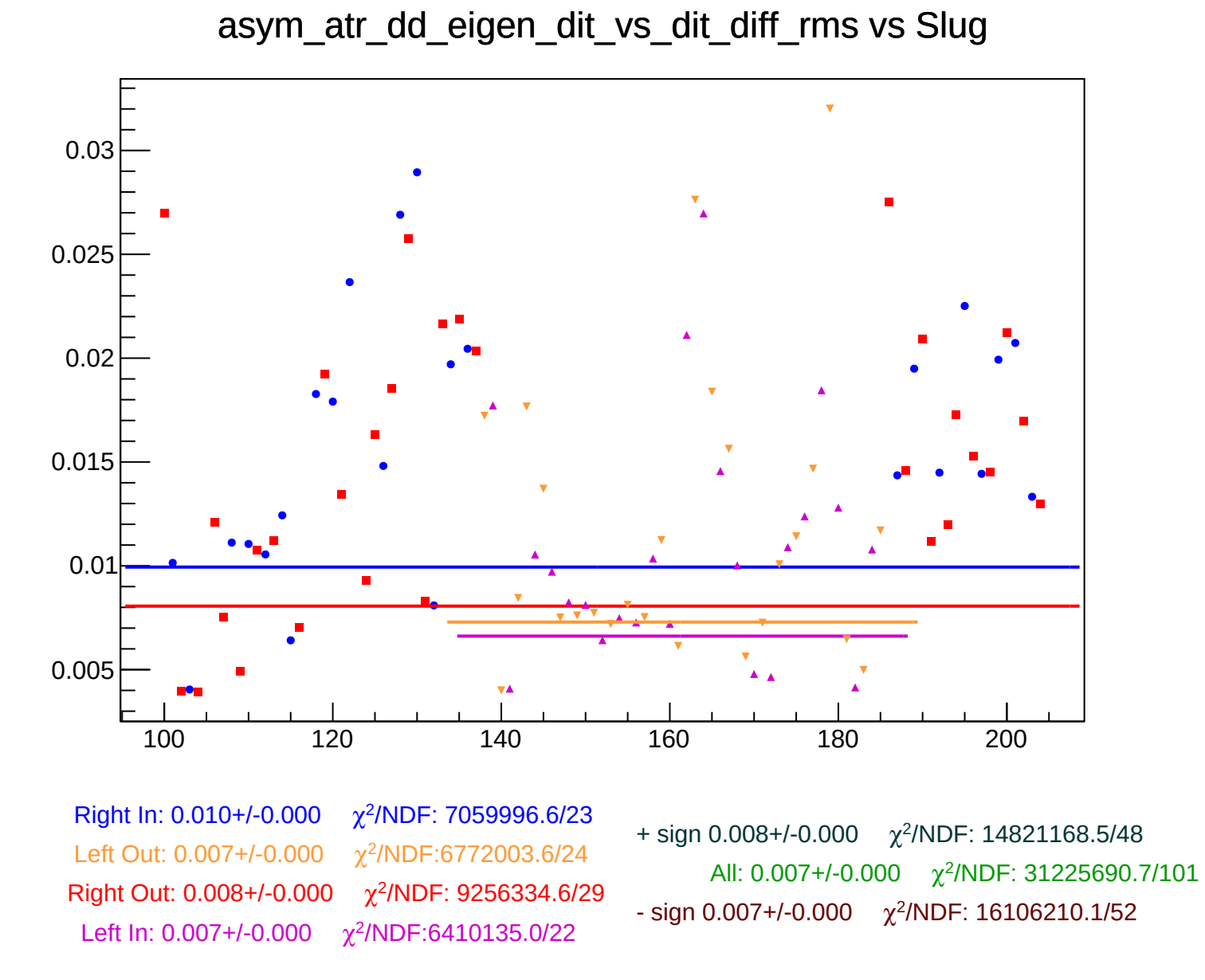
Right Out: 0.000+/-0.000 χ^2/NDF: 29.9/29

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

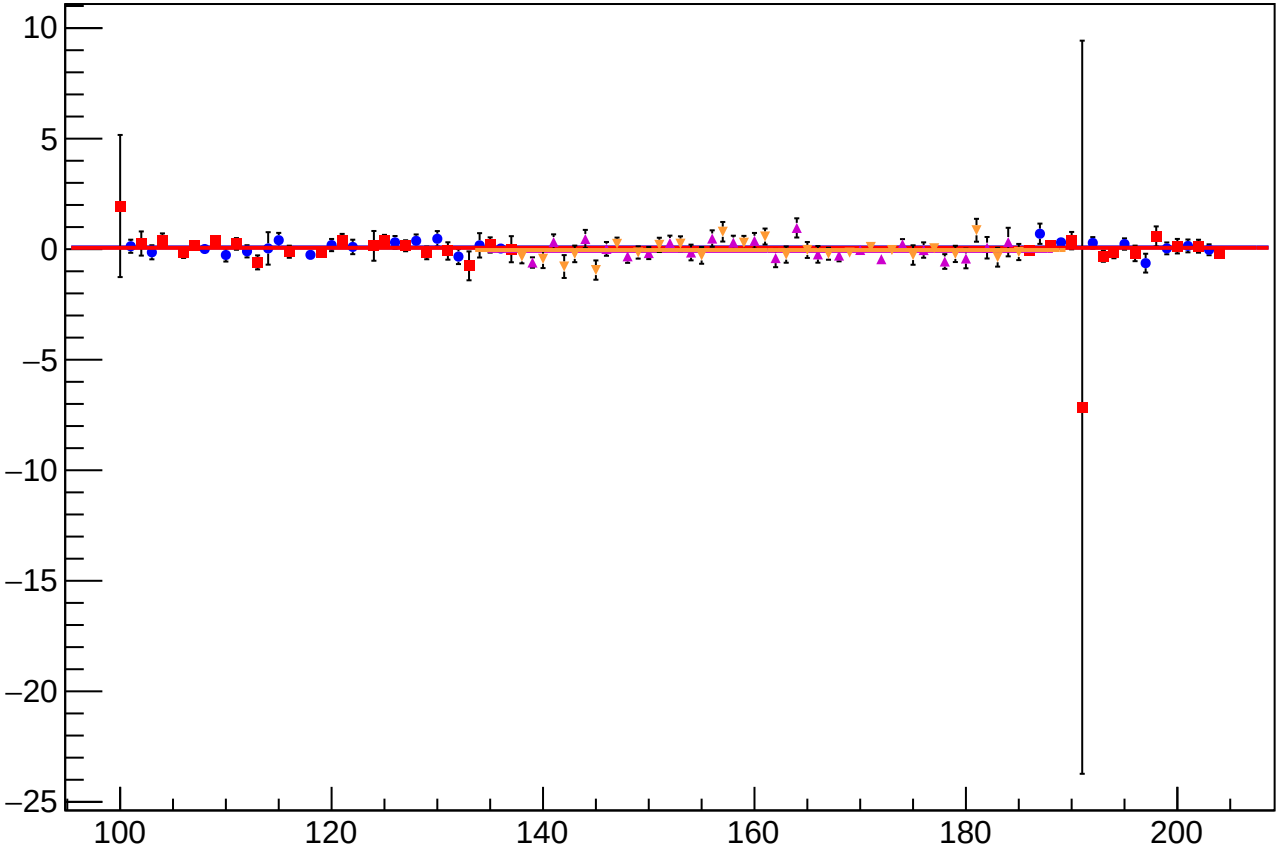
+ sign 0.000+/-0.000 χ^2/NDF: 67.5/48

All: 0.000+/-0.000 χ^2/NDF: 132.3/101

- sign 0.000+/-0.000 χ^2/NDF: 61.4/52


asym_atr_dd_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: 7059996.6/23
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.008+/-0.000 χ²/NDF: 9256334.6/29
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
+ sign 0.008+/-0.000 χ²/NDF: 14821168.5/48
All: 0.007+/-0.000 χ²/NDF: 31225690.7/101
- sign 0.007+/-0.000 χ²/NDF: 16106210.1/52

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.080+/-0.057 χ^2/NDF: 18.1/23

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.062+/-0.051 χ^2/NDF: 26.3/29

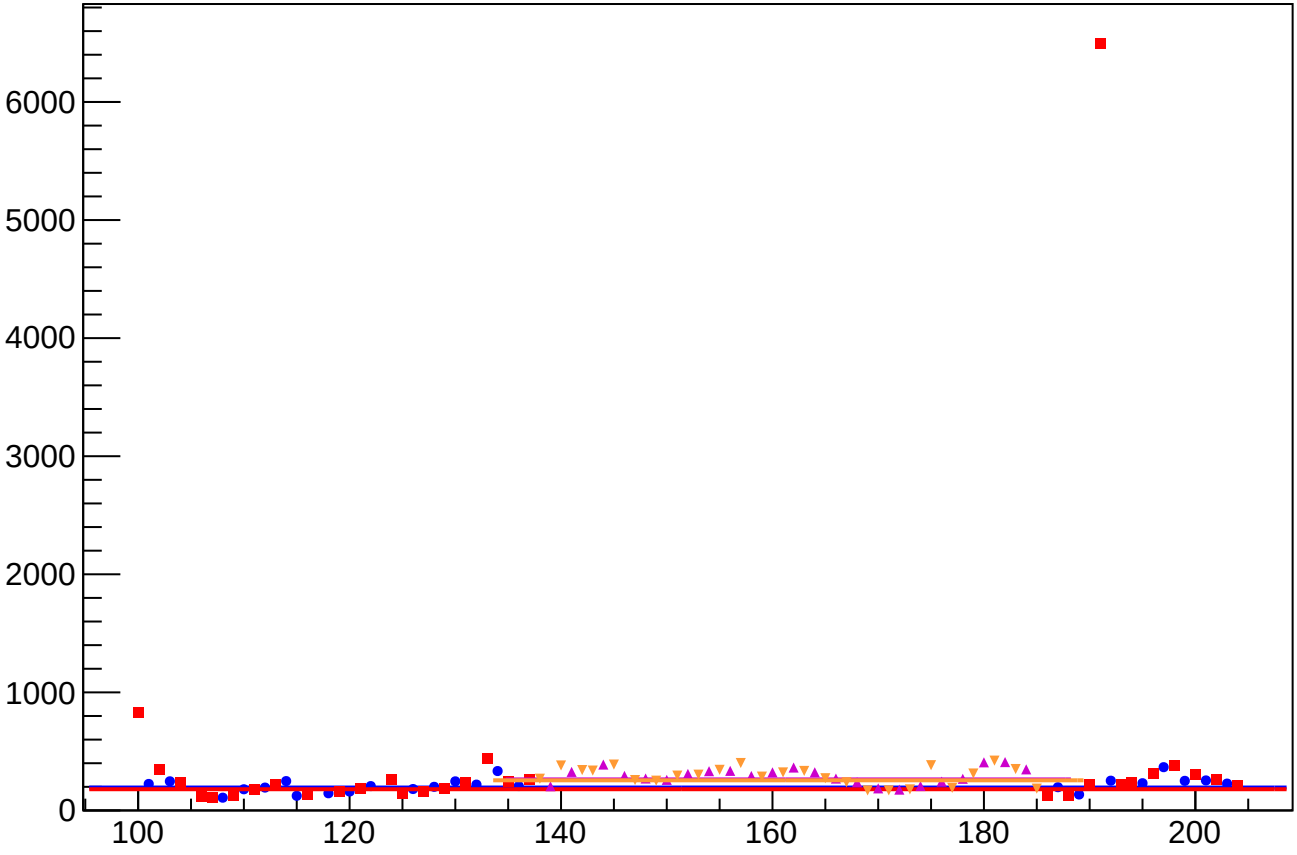
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.026+/-0.042 χ^2/NDF: 44.6/48

All: 0.017+/-0.029 χ^2/NDF: 104.9/101

- sign 0.009+/-0.040 χ^2/NDF: 60.3/52

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 194.101+/-0.040 χ^2/NDF: 1862572.5/23

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

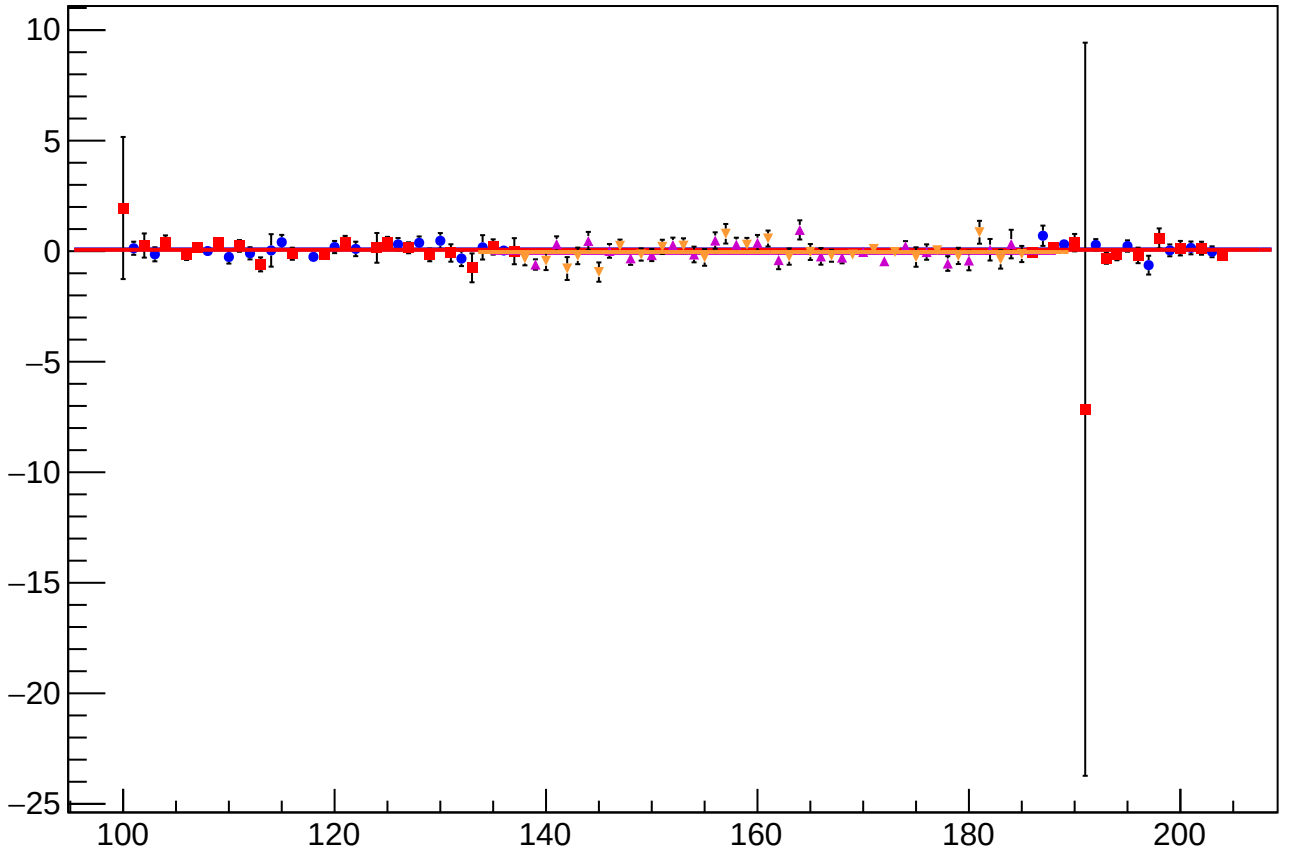
Right Out: 179.771+/-0.036 χ^2/NDF: 3526689.0/29

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 222.129+/-0.030 χ^2/NDF: 5859656.2/48

All: 216.489+/-0.020 χ^2/NDF: 13510092.6/10

- sign 211.342+/-0.028 χ^2/NDF: 7581080.9/52



Right In: 0.080+/-0.057 χ^2/NDF: 18.1/23

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

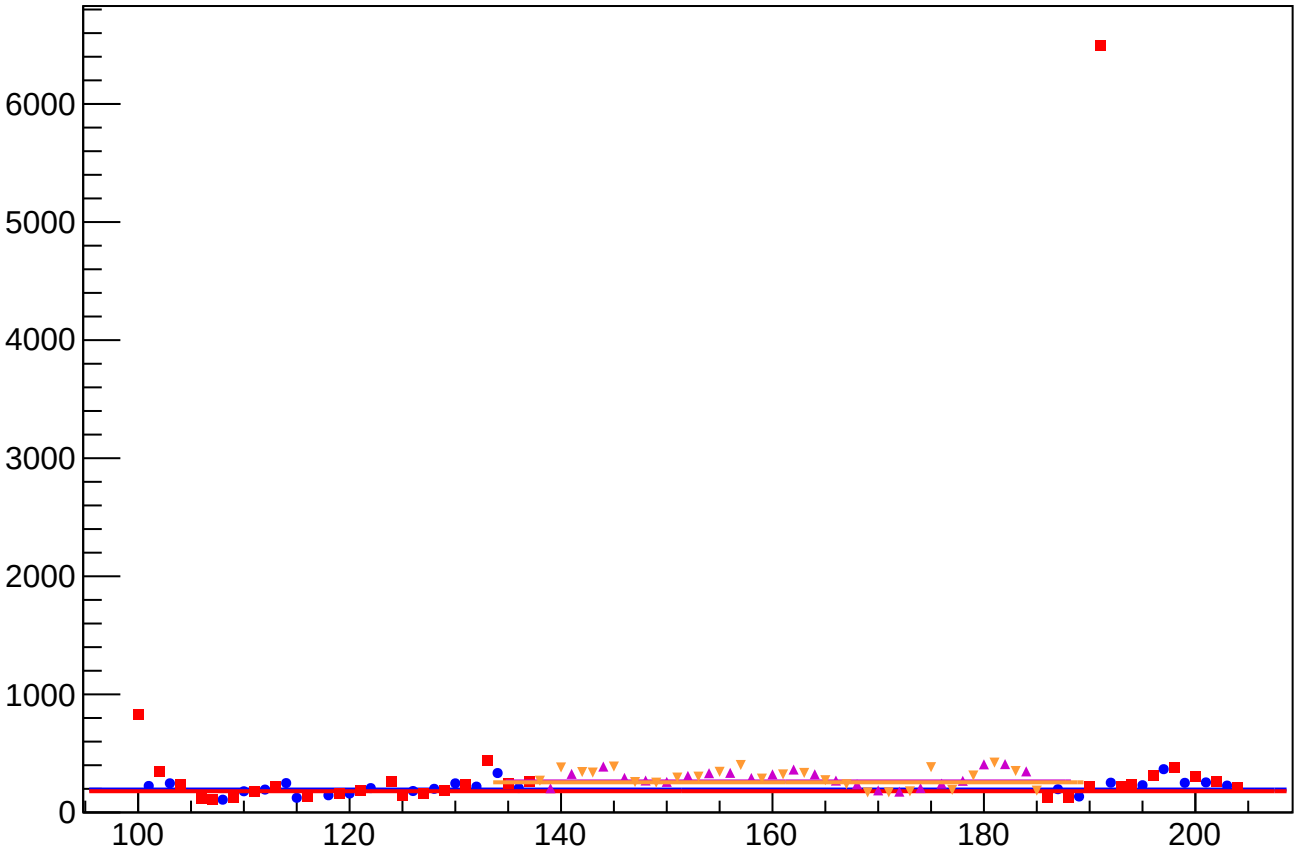
Right Out: 0.062+/-0.051 χ^2/NDF: 26.3/29

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.026+/-0.042 χ^2/NDF: 44.6/48

All: 0.017+/-0.029 χ^2/NDF: 104.9/101

- sign 0.009+/-0.040 χ^2/NDF: 60.3/52



Right In: 194.101+/-0.040 χ^2/NDF: 1862572.5/23

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

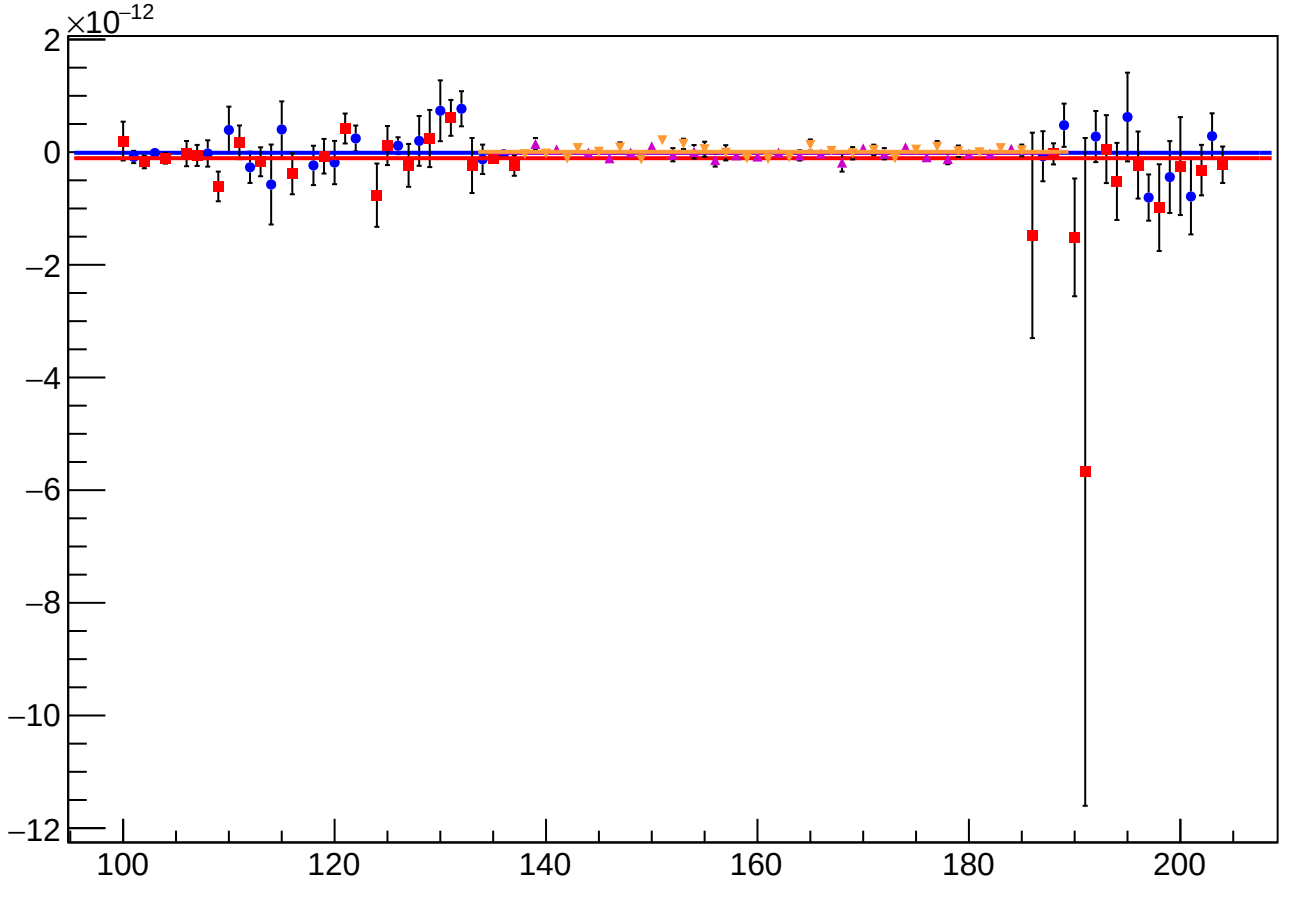
Right Out: 179.771+/-0.036 χ^2/NDF: 3526689.0/29

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 222.129+/-0.030 χ^2/NDF: 5859656.2/48

All: 216.489+/-0.020 χ^2/NDF: 13510092.6/10

- sign 211.342+/-0.028 χ^2/NDF: 7581080.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/29

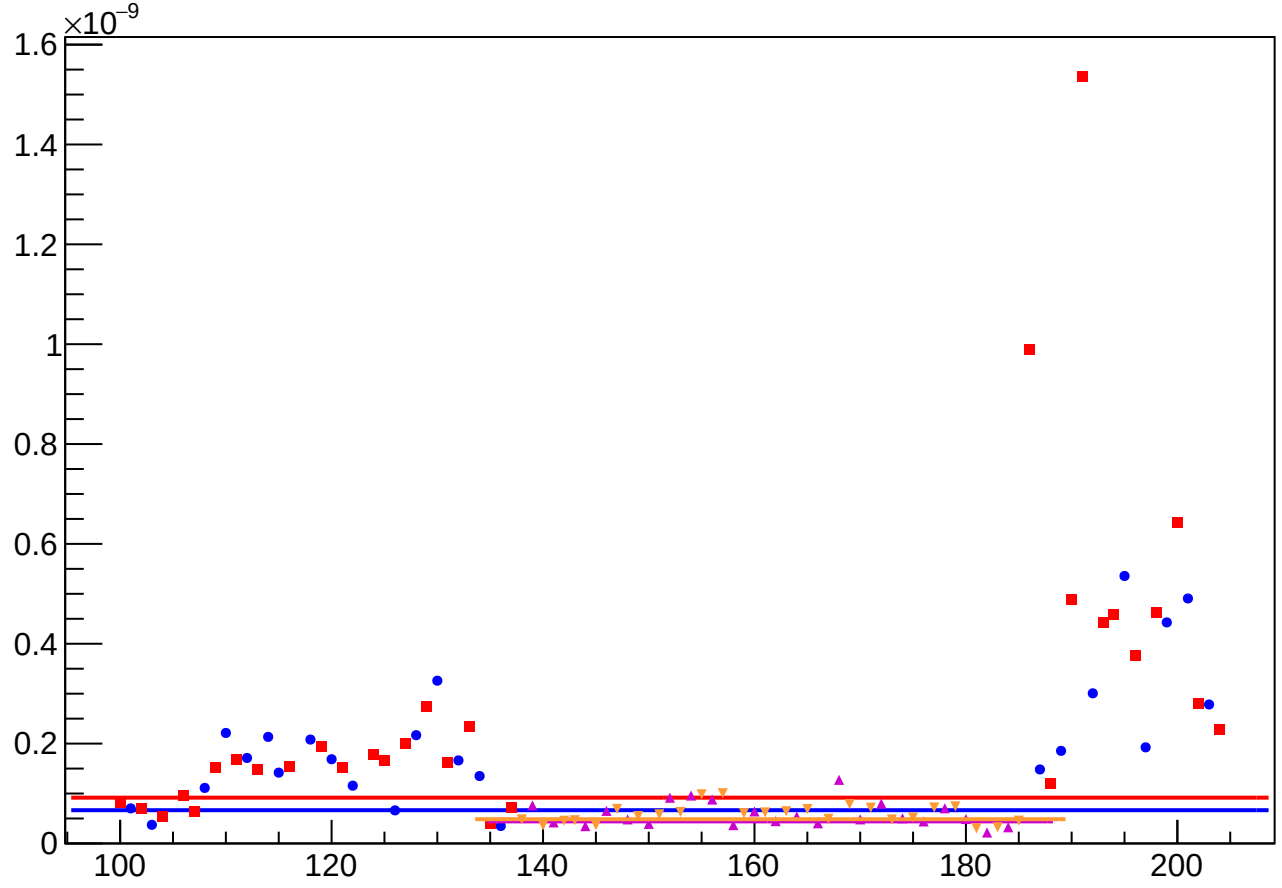
Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.5/48

All: -0.000+/-0.000 χ^2/NDF: 106.7/101

- sign -0.000+/-0.000 χ^2/NDF: 50.7/52

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7170688.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7563529.2/29

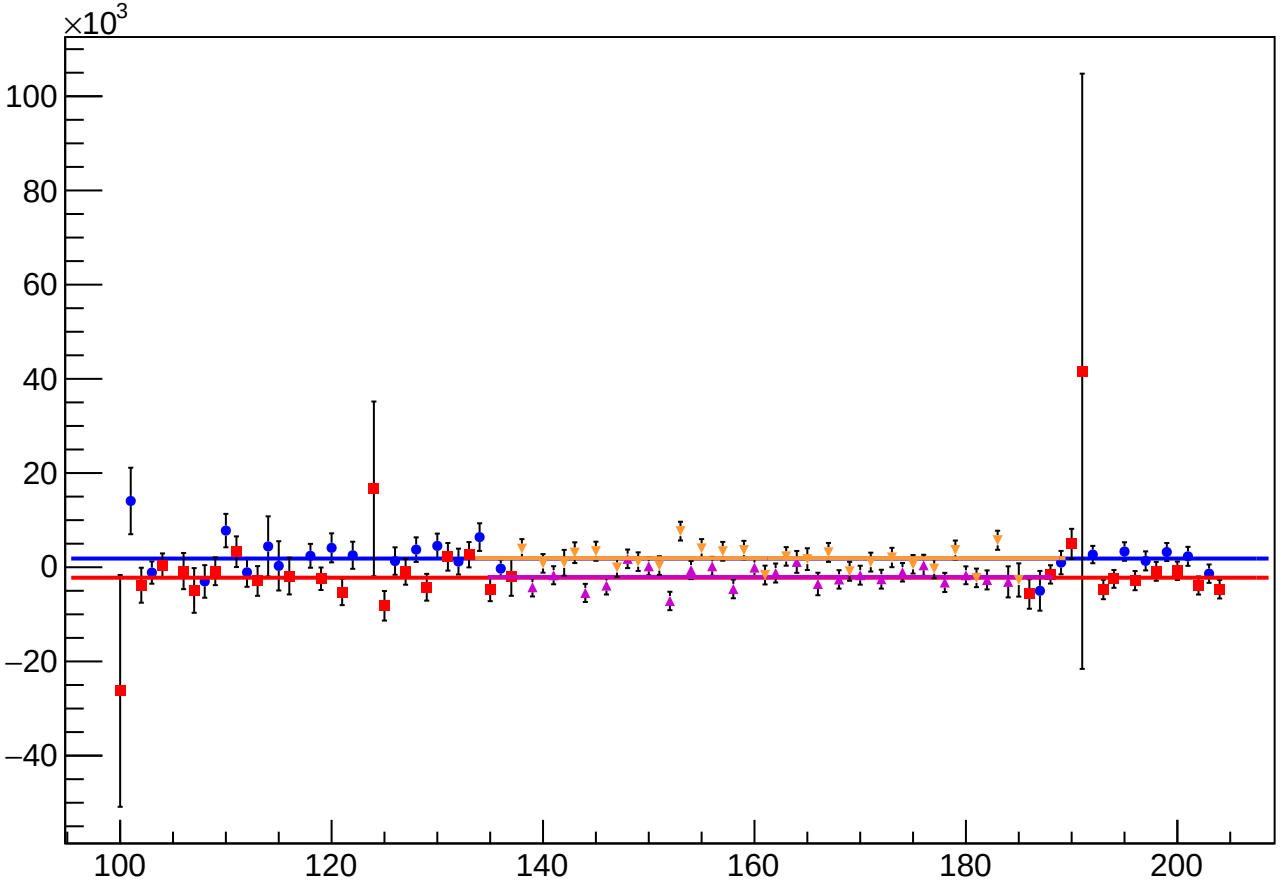
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10132299.0/48

All: 0.000+/-0.000 χ^2/NDF: 23842545.8/101

- sign 0.000+/-0.000 χ^2/NDF: 13687932.4/52

reg_asym_at1_avg_mean vs Slug



Right In: 1845.680+/-524.119 χ^2/NDF: 23.4/23

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -2223.098+/-493.814 χ^2/NDF: 30.5/29

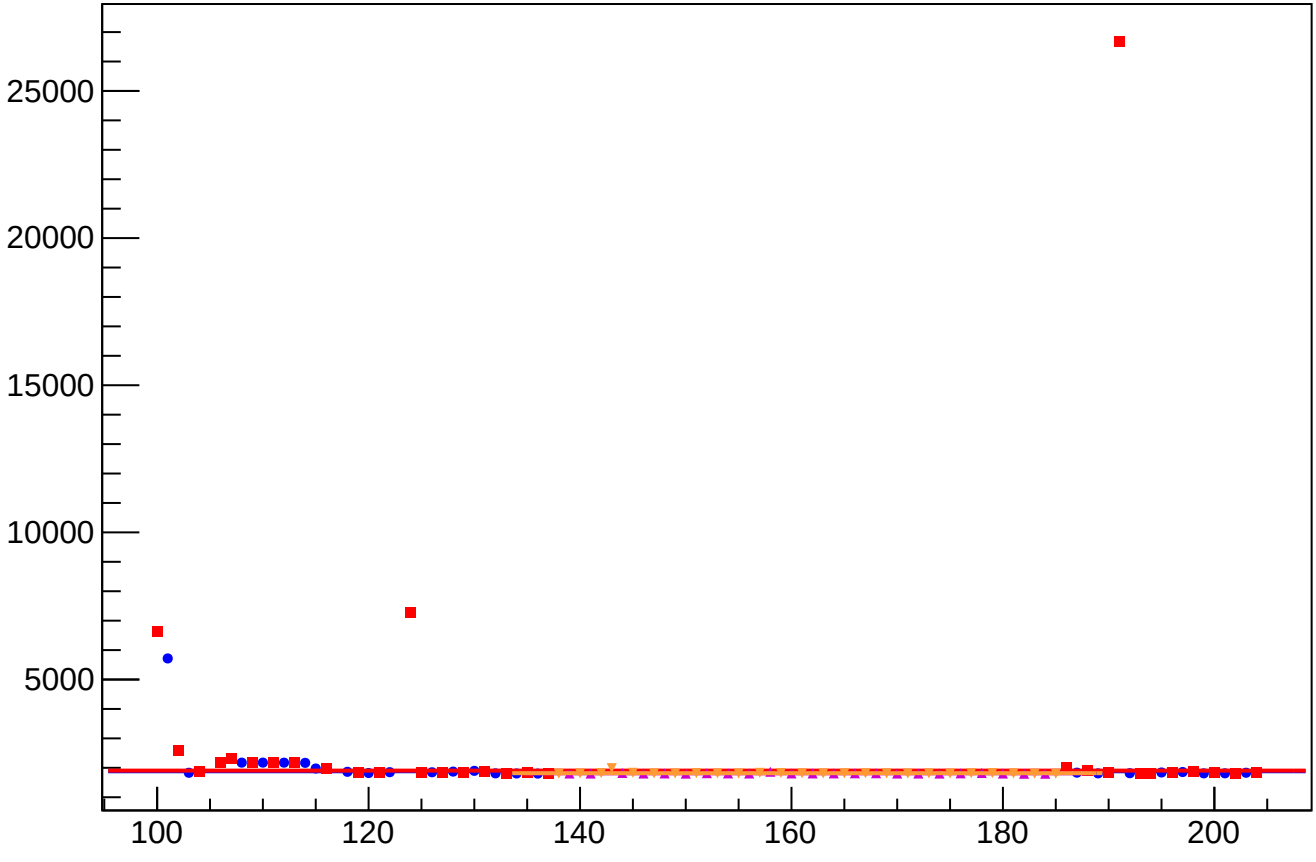
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1891.922+/-324.349 χ^2/NDF: 55.9/48

All: -141.439+/-228.278 χ^2/NDF: 190.9/101

- sign -2137.254+/-321.341 χ^2/NDF: 57.1/52

reg_asym_at1_avg_rms vs Slug



Right In: 1882.860+/-0.371 χ^2/NDF: 661148.8/23

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1904.892+/-0.349 χ^2/NDF: 729883.6/29

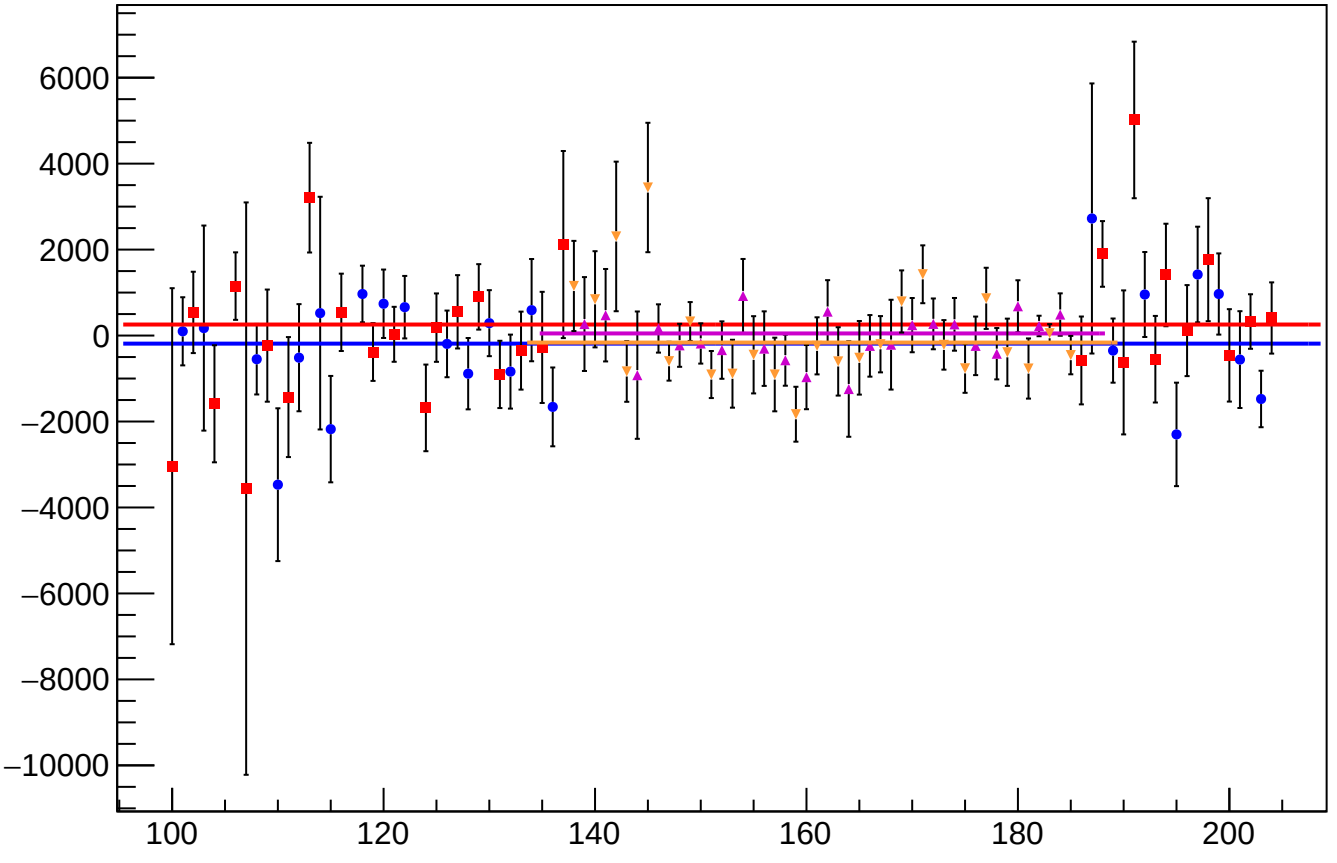
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1842.546+/-0.229 χ^2/NDF: 693280.7/48

All: 1847.140+/-0.161 χ^2/NDF: 1466298.8/10

- sign 1851.650+/-0.227 χ^2/NDF: 772222.9/52

asym_at1_avg_reg_correction_mean vs Slug



Right In: -187.877+/-190.778 χ^2/NDF: 29.8/23

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 256.603+/-178.205 χ^2/NDF: 36.0/29

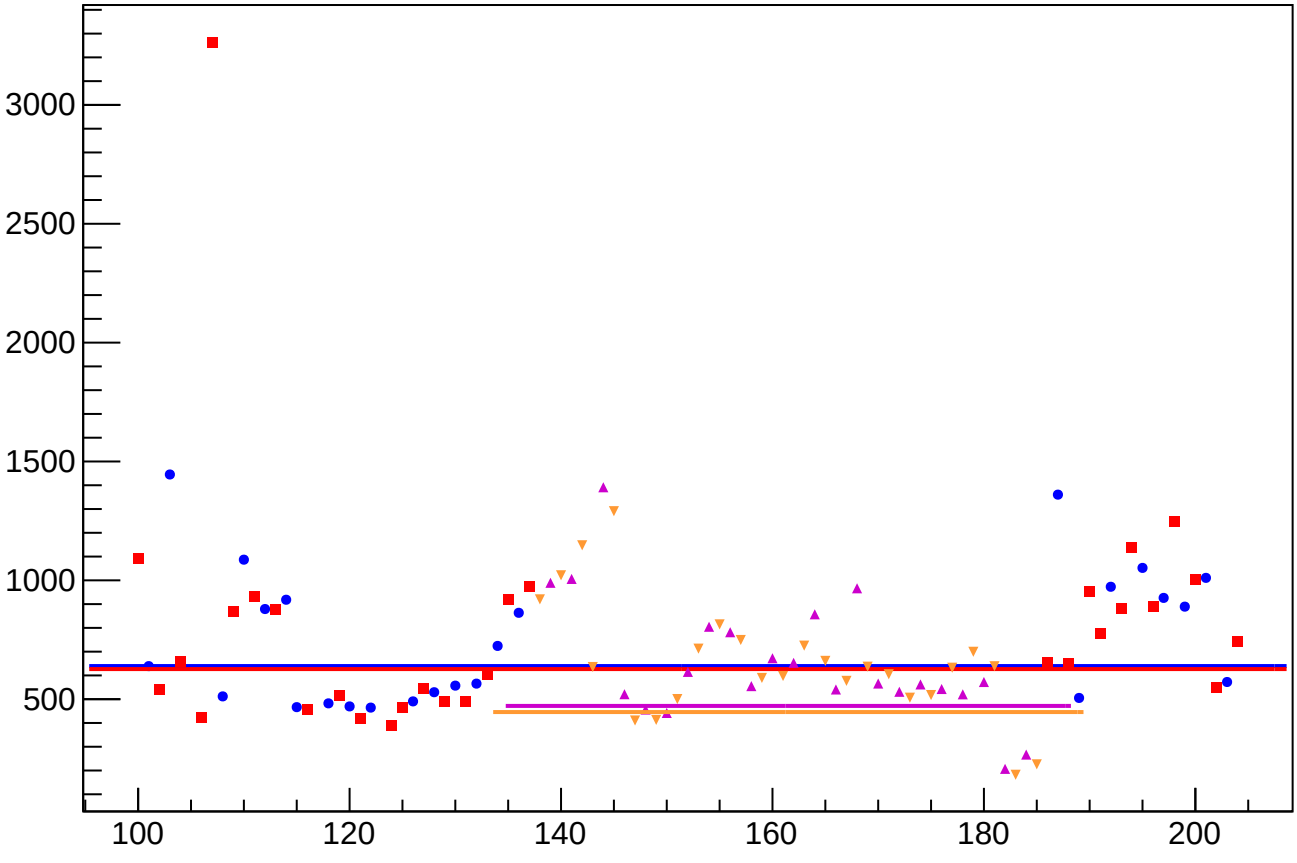
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -169.652+/-98.675 χ^2/NDF: 66.6/48

All: -30.251+/-70.601 χ^2/NDF: 119.0/101

- sign 115.957+/-101.056 χ^2/NDF: 48.2/52

asym_at1_avg_reg_correction_rms vs Slug



Right In: 639.420+/-0.135 χ^2/NDF: 2277387.7/23

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 626.705+/-0.126 χ^2/NDF: 2956353.7/29

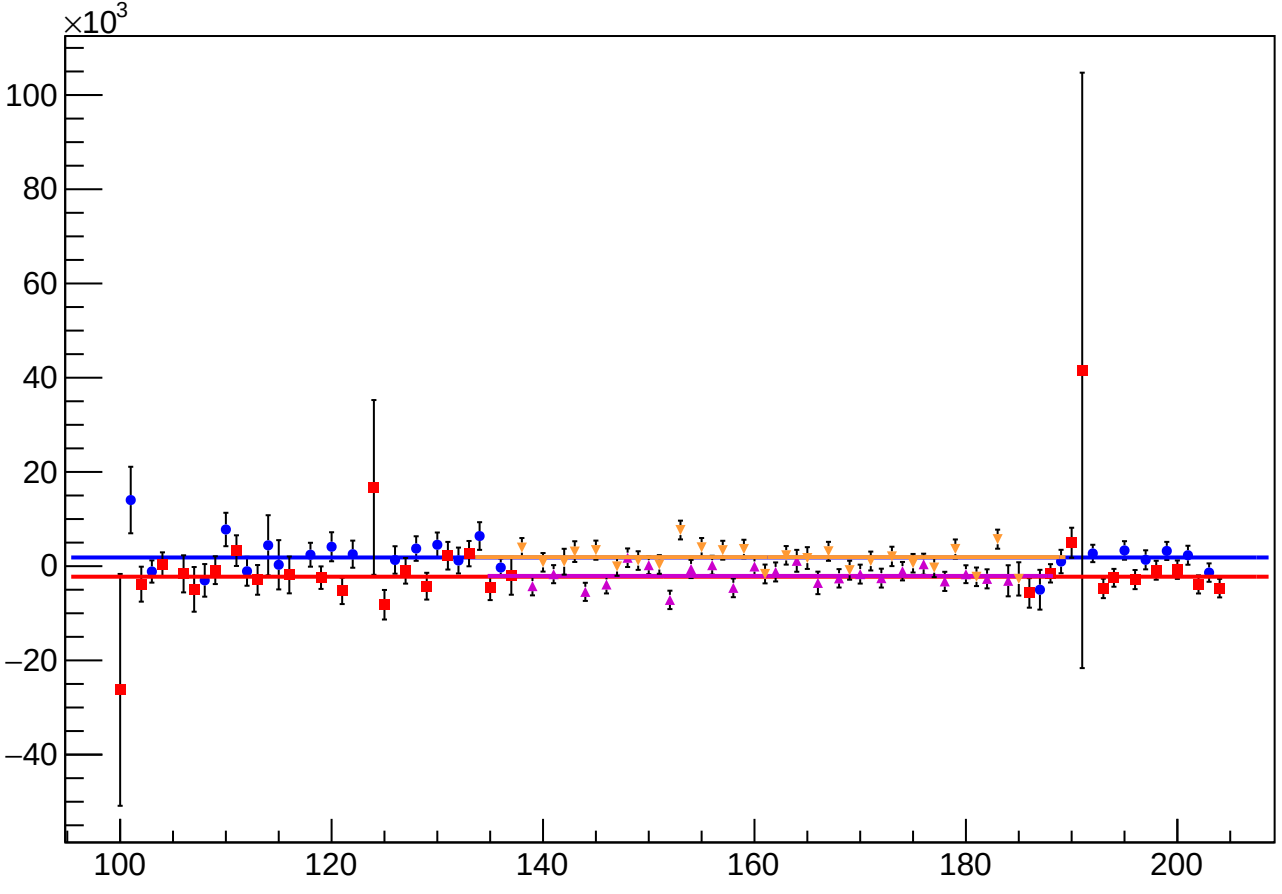
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 497.666+/-0.070 χ^2/NDF: 11767327.1/48

All: 509.337+/-0.050 χ^2/NDF: 22220860.8/10

- sign 521.577+/-0.071 χ^2/NDF: 10396212.4/52

cor_asym_at1_avg_mean vs Slug



Right In: 1845.604+/-524.119 χ^2/NDF: 23.4/23

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2237.247+/-494.009 χ^2/NDF: 30.4/29

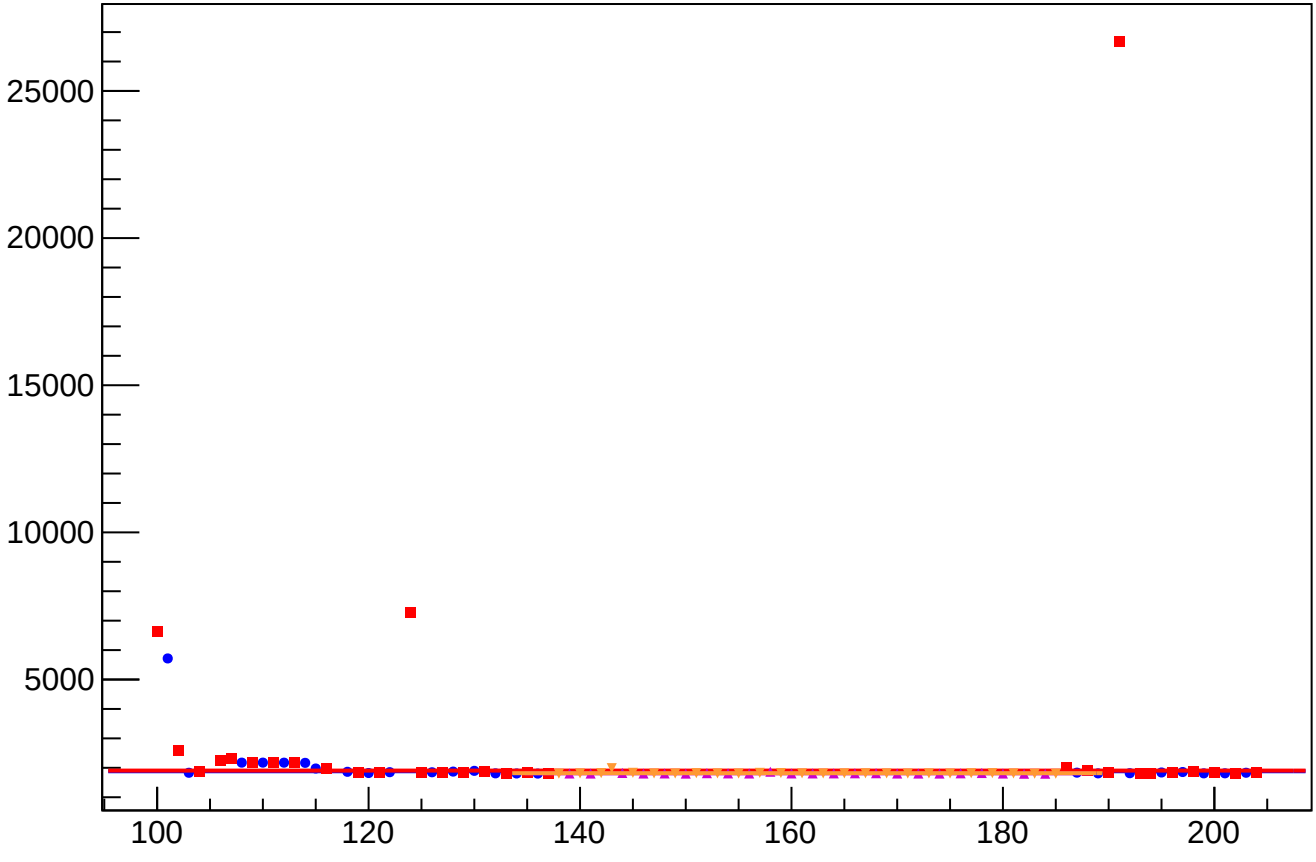
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1891.871+/-324.349 χ^2/NDF: 55.9/48

All: -144.164+/-228.298 χ^2/NDF: 191.0/101

- sign -2143.272+/-321.395 χ^2/NDF: 57.0/52

cor_asym_at1_avg_rms vs Slug



Right In: 1882.860+/-0.371 χ^2/NDF: 661148.8/23

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1905.465+/-0.349 χ^2/NDF: 733448.1/29

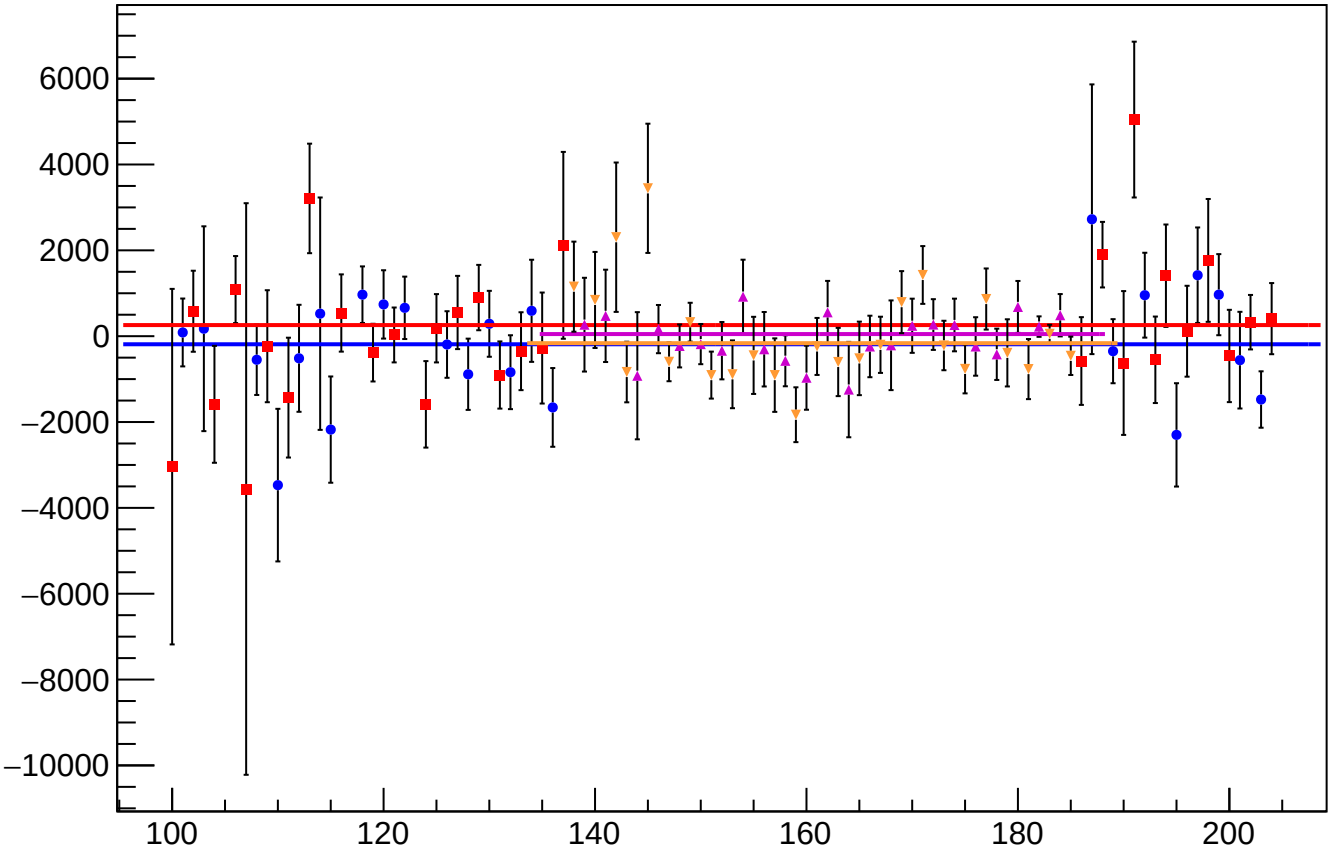
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1842.546+/-0.229 χ^2/NDF: 693280.6/48

All: 1847.253+/-0.161 χ^2/NDF: 1470385.4/10

- sign 1851.874+/-0.227 χ^2/NDF: 776270.1/52

asym_at1_avg_cor_correction_mean vs Slug



Right In: -188.389+/-190.751 χ^2/NDF: 29.8/23

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 258.766+/-178.128 χ^2/NDF: 35.6/29

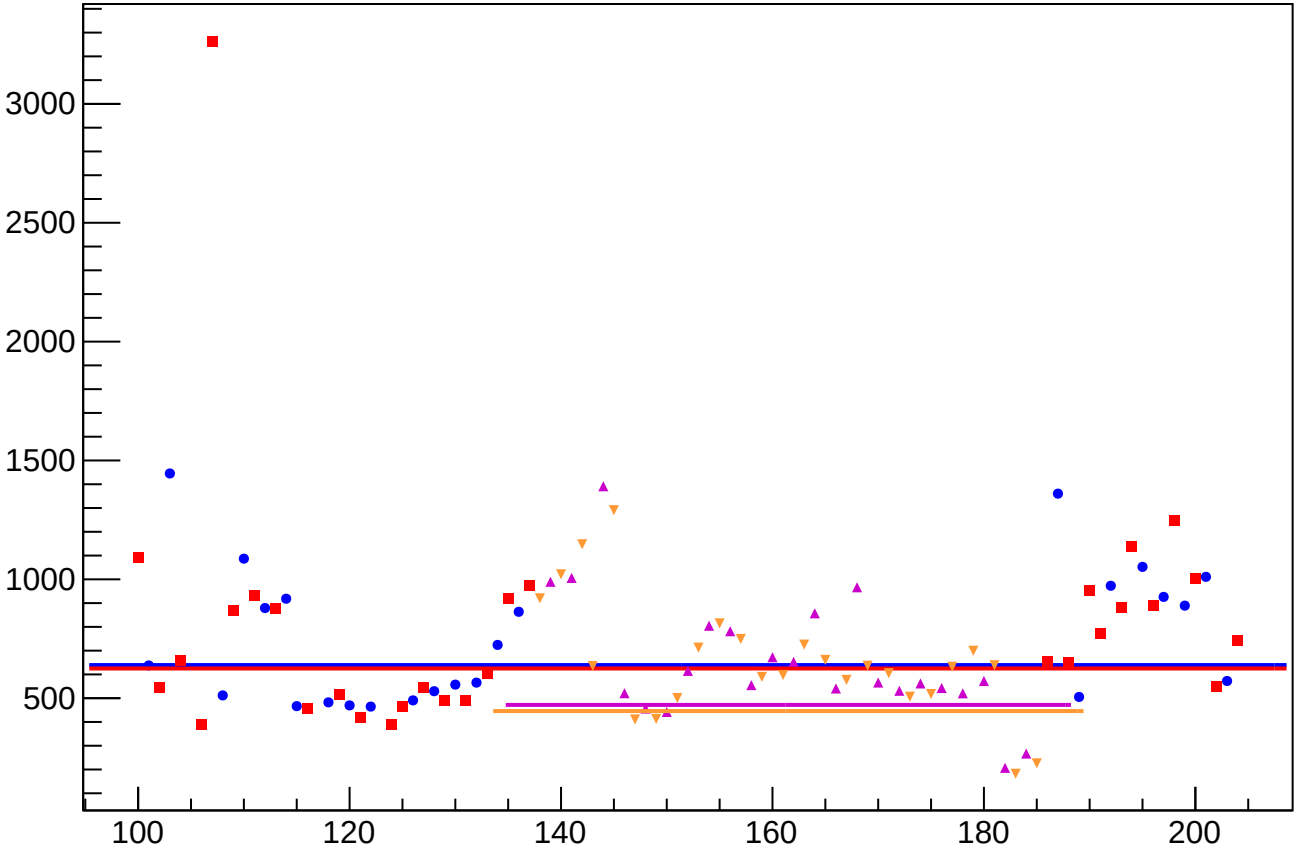
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -169.728+/-98.669 χ^2/NDF: 66.6/48

All: -29.915+/-70.594 χ^2/NDF: 118.6/101

- sign 116.708+/-101.043 χ^2/NDF: 47.9/52

asym_at1_avg_cor_correction_rms vs Slug



Right In: 639.342+/-0.135 χ^2/NDF: 2277468.6/23

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 624.953+/-0.126 χ^2/NDF: 3004878.7/29

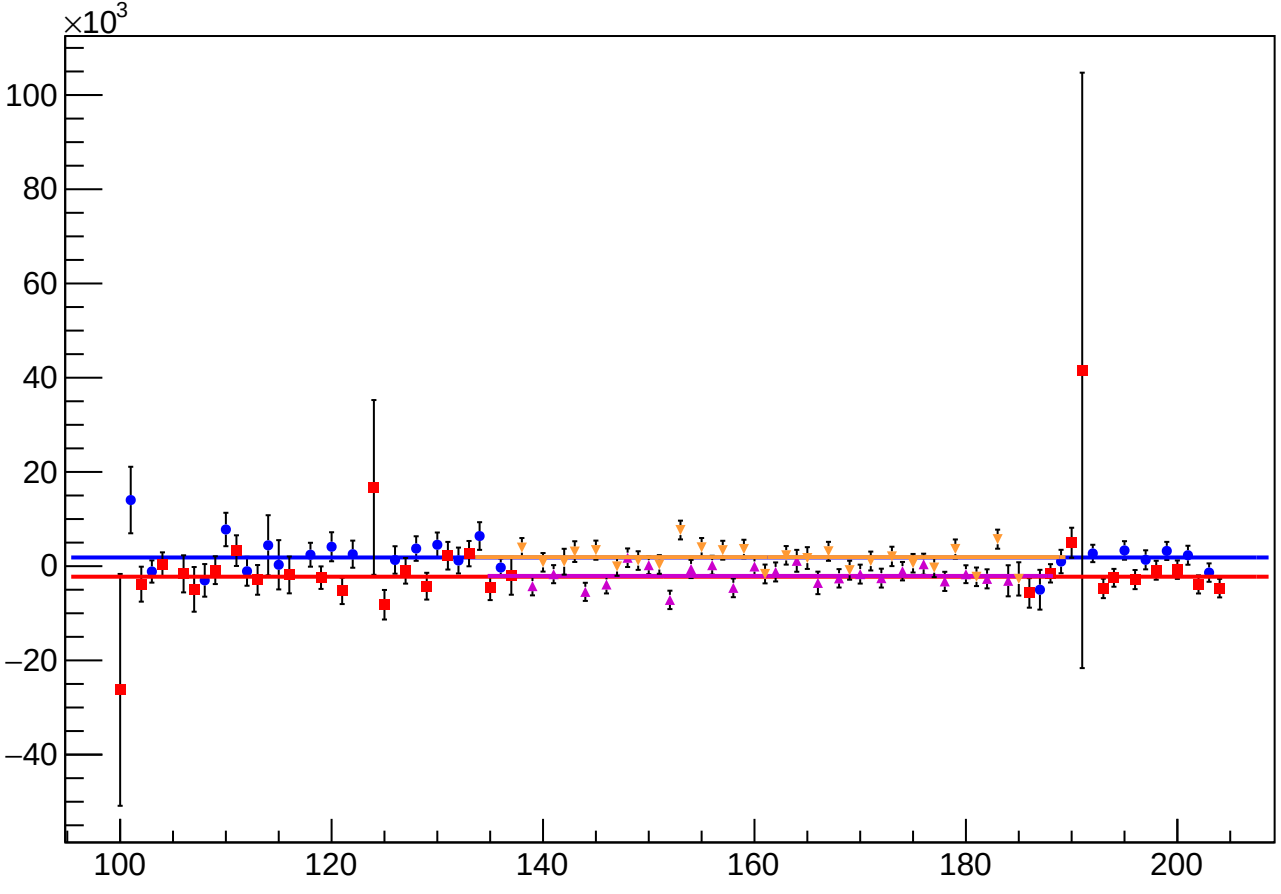
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 497.634+/-0.070 χ^2/NDF: 11768352.3/48

All: 509.065+/-0.050 χ^2/NDF: 22245209.7/10

- sign 521.052+/-0.071 χ^2/NDF: 10421868.6/52

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 1845.604+/-524.119 χ^2/NDF: 23.4/23

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2237.247+/-494.009 χ^2/NDF: 30.4/29

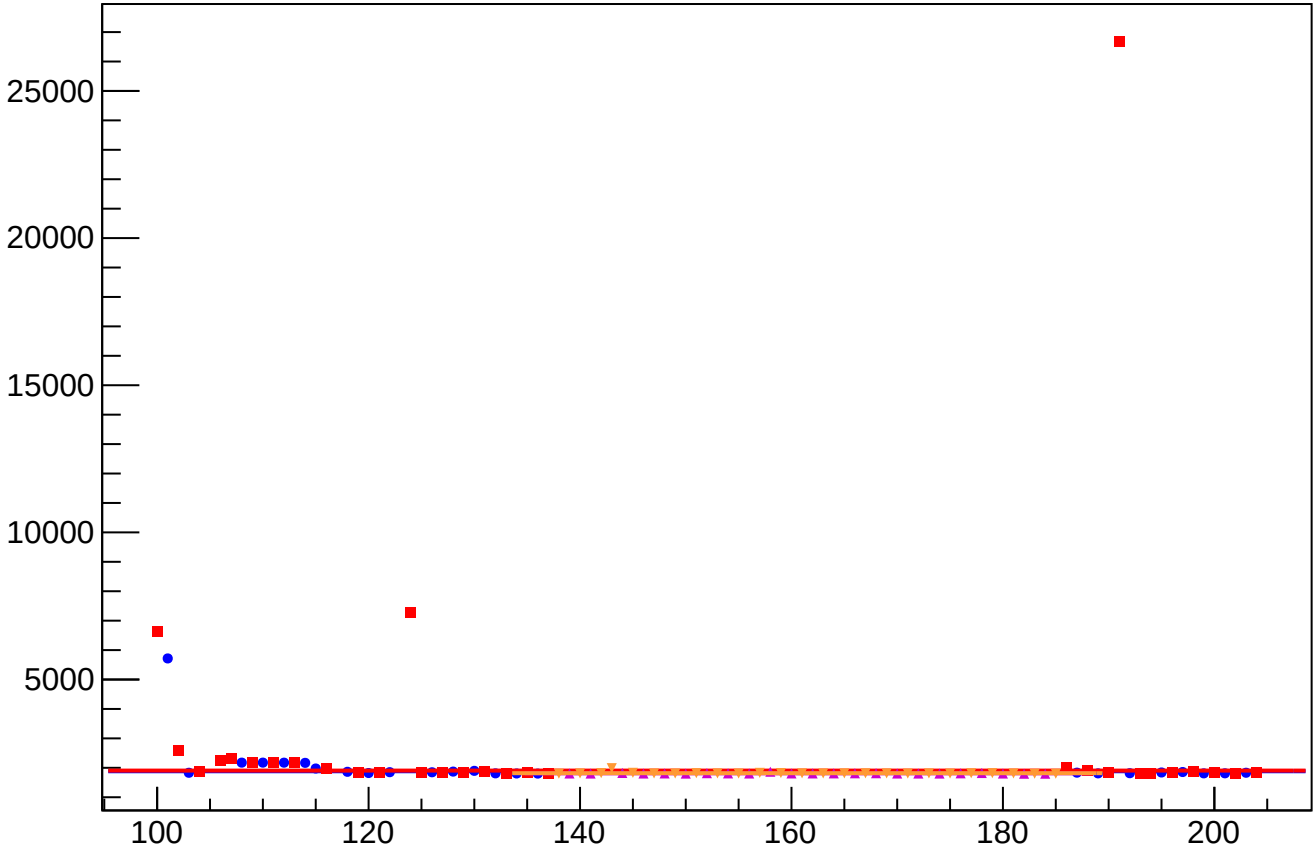
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1891.871+/-324.349 χ^2/NDF: 55.9/48

All: -144.164+/-228.298 χ^2/NDF: 191.0/101

- sign -2143.272+/-321.395 χ^2/NDF: 57.0/52

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1882.860+/-0.371 χ^2/NDF: 661148.8/23

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

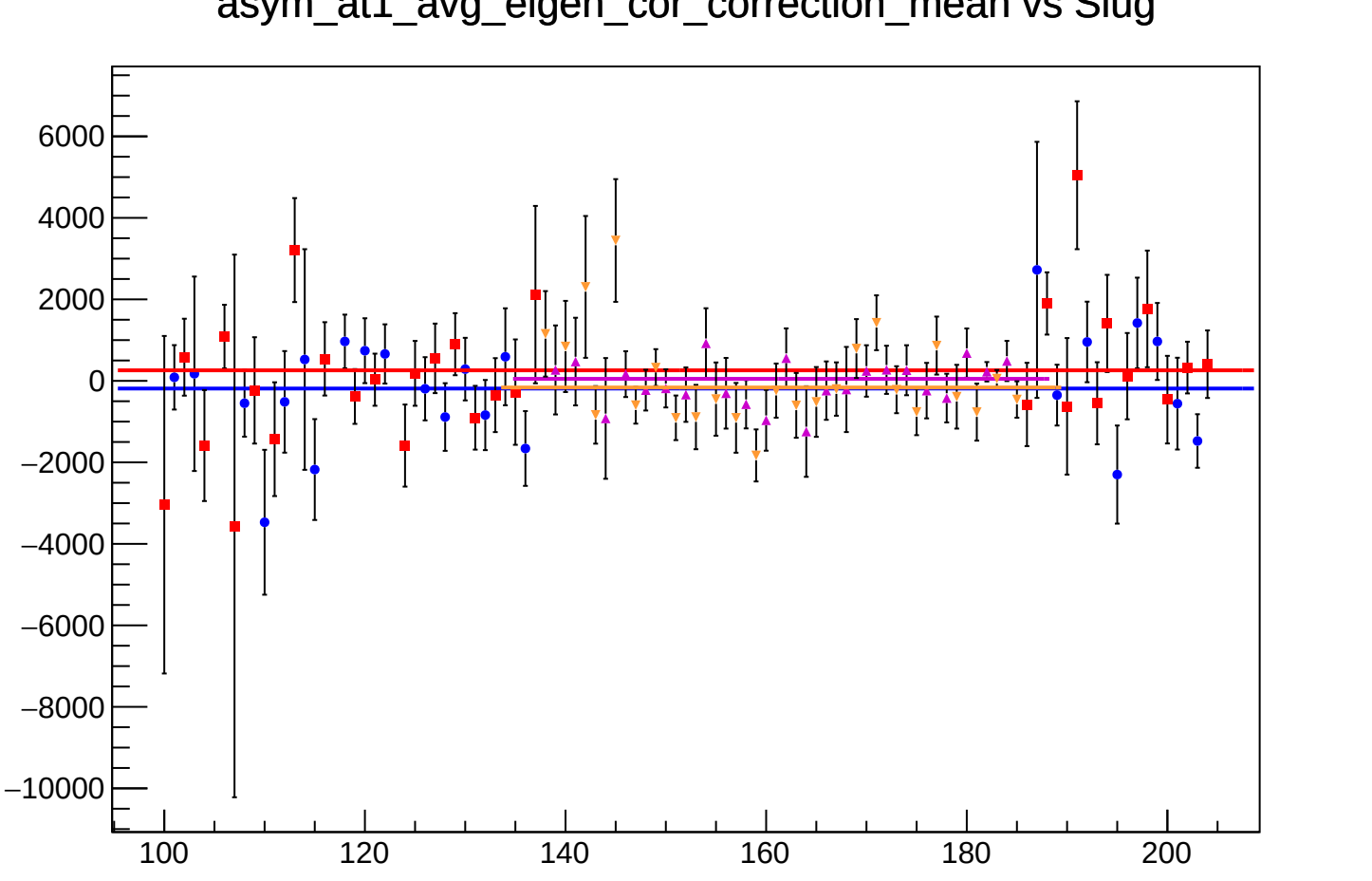
Right Out: 1905.465+/-0.349 χ^2/NDF: 733448.1/29

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1842.546+/-0.229 χ^2/NDF: 693280.6/48

All: 1847.253+/-0.161 χ^2/NDF: 1470385.4/10

- sign 1851.874+/-0.227 χ^2/NDF: 776270.1/52


asym_at1_avg_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
Right In: -188.389+/-190.751 χ²/NDF: 29.8/23
Left Out: -162.911+/-115.291 χ²/NDF:36.9/24
Right Out: 258.766+/-178.128 χ²/NDF: 35.6/29
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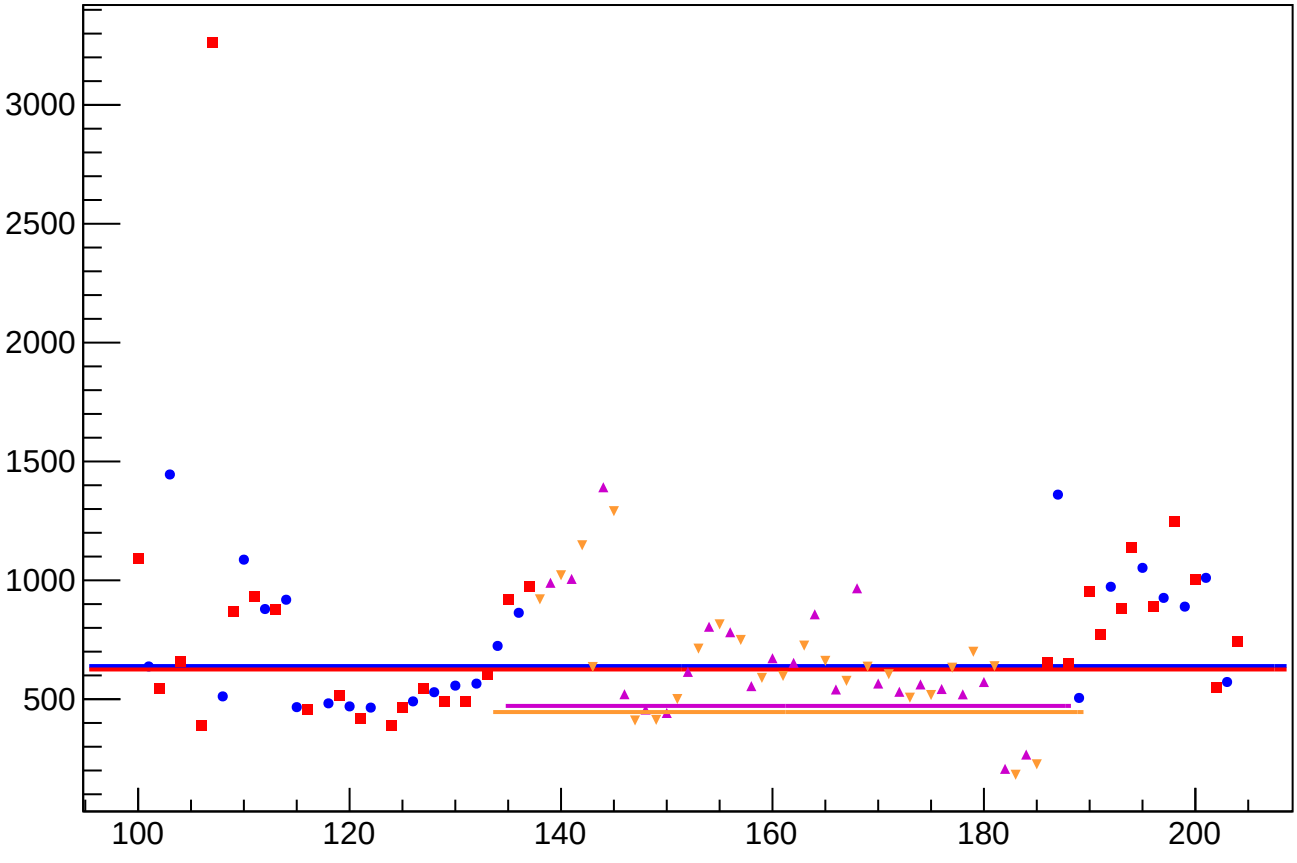
All: -29.915+/-70.594 χ²/NDF: 118.6/101
- sign 116.708+/-101.043 χ²/NDF: 47.9/52

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 639.342+/-0.135 χ^2/NDF: 2277468.6/23

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

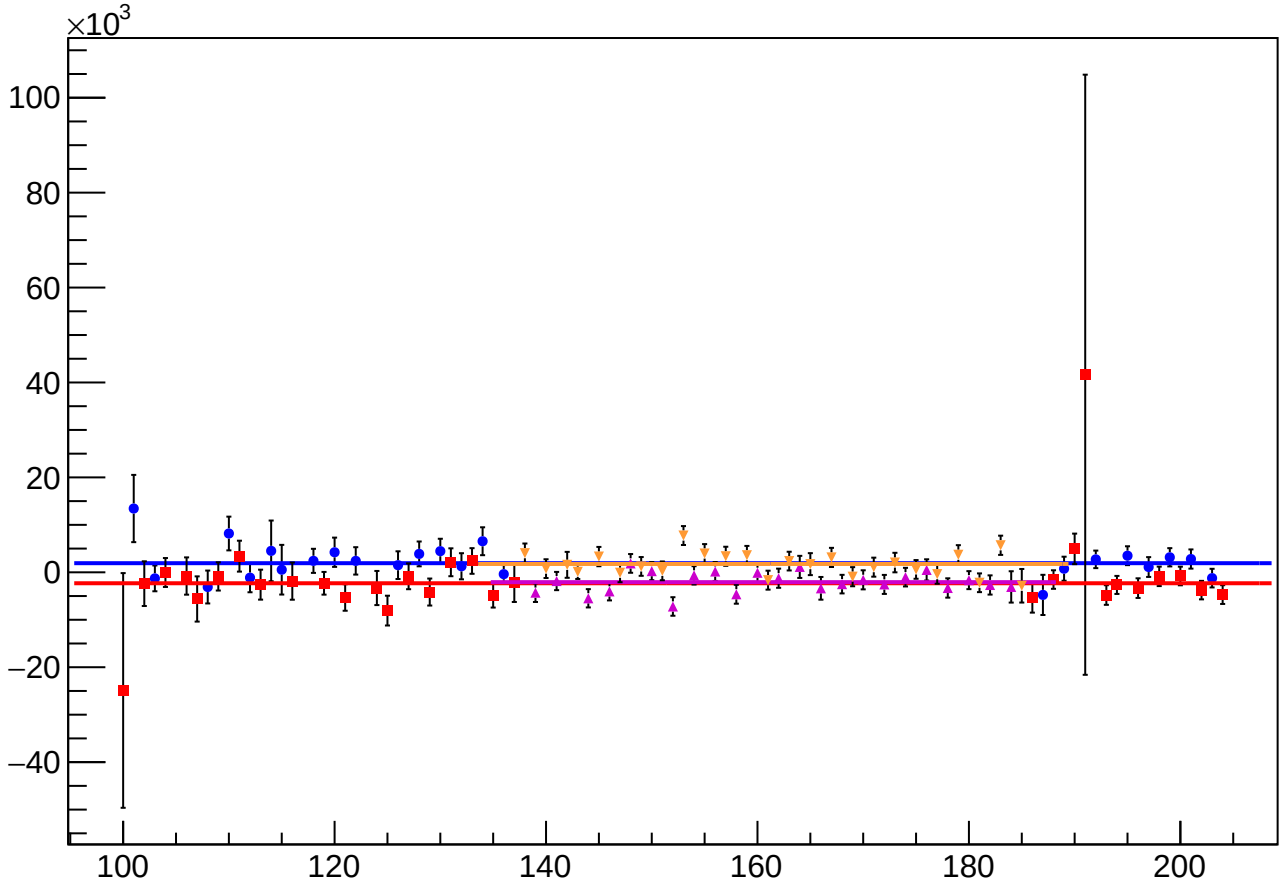
Right Out: 624.953+/-0.126 χ^2/NDF: 3004878.7/29

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 497.634+/-0.070 χ^2/NDF: 11768352.3/48

All: 509.065+/-0.050 χ^2/NDF: 22245209.7/10

- sign 521.052+/-0.071 χ^2/NDF: 10421868.6/52



Right In: 1922.006+/-530.131 χ^2/NDF: 23.4/23

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2305.898+/-496.142 χ^2/NDF: 28.4/29

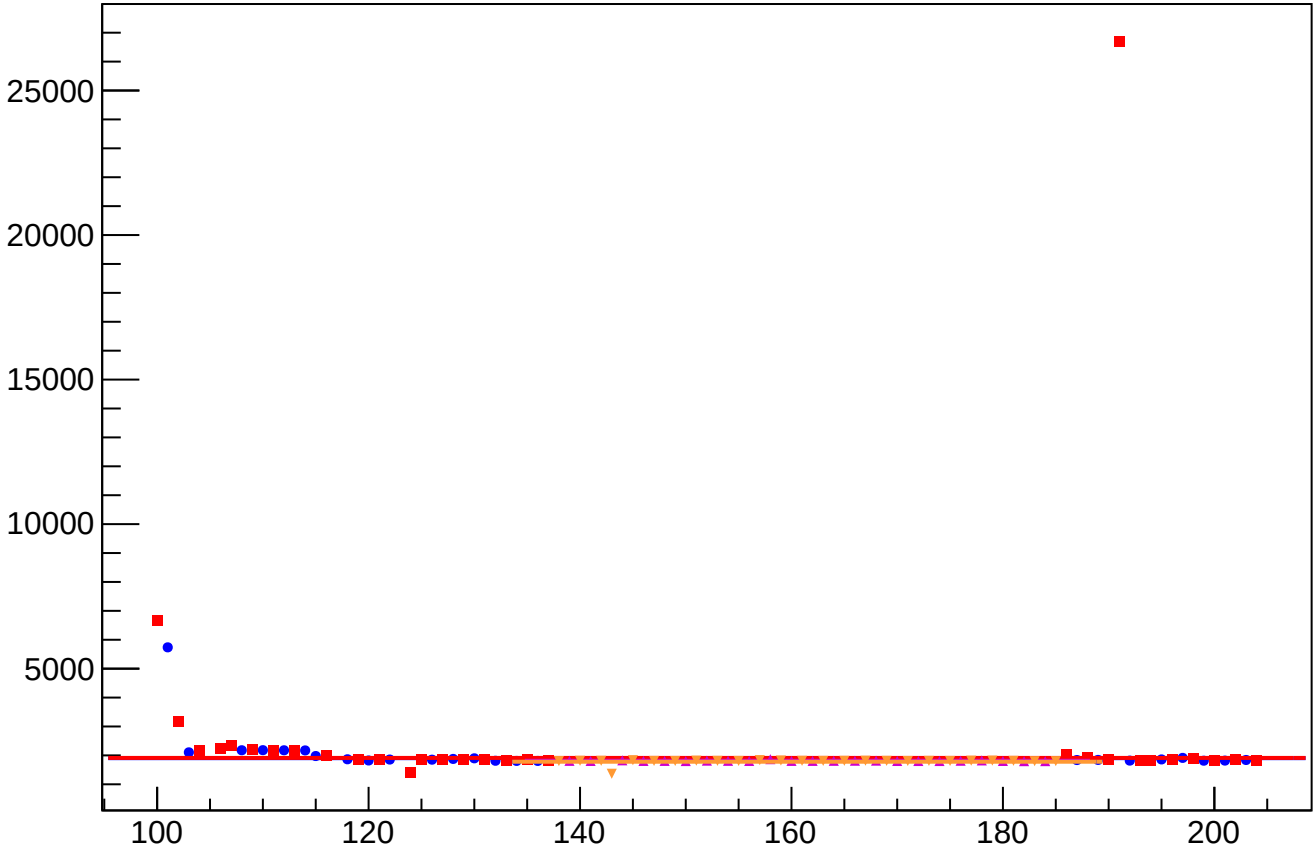
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1816.937+/-322.032 χ^2/NDF: 57.3/48

All: -176.370+/-227.762 χ^2/NDF: 189.5/101

- sign -2171.461+/-322.176 χ^2/NDF: 55.5/52

dit_asym_at1_avg_rms vs Slug



Right In: 1903.864+/-0.375 χ^2/NDF: 669349.5/23

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

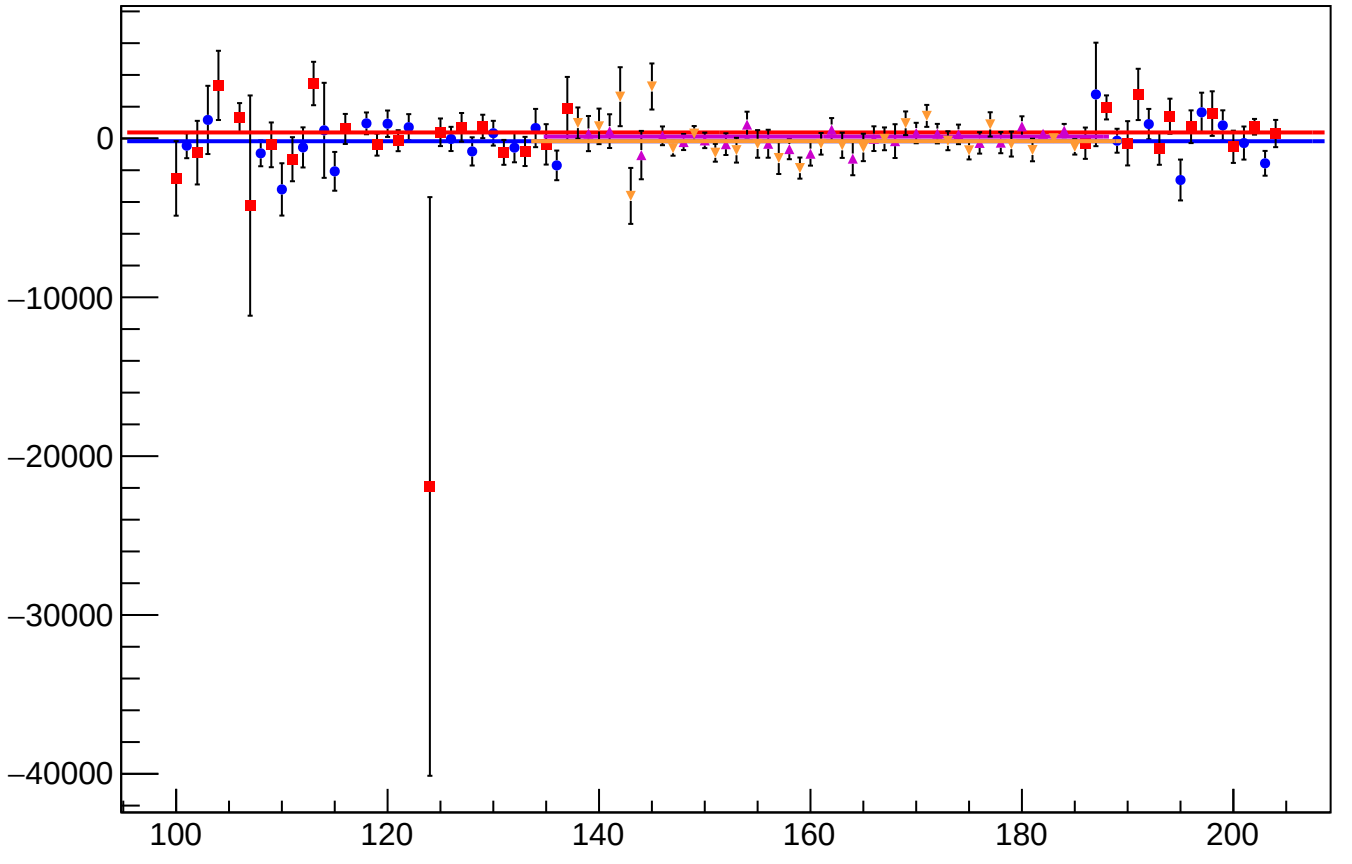
Right Out: 1912.370+/-0.351 χ^2/NDF: 688942.7/29

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.282+/-0.228 χ^2/NDF: 902168.0/48

All: 1841.000+/-0.161 χ^2/NDF: 1646632.9/10

- sign 1855.731+/-0.228 χ^2/NDF: 736106.3/52



Right In: -173.558+/-197.241 χ^2/NDF: 29.4/23

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 379.150+/-181.735 χ^2/NDF: 32.2/29

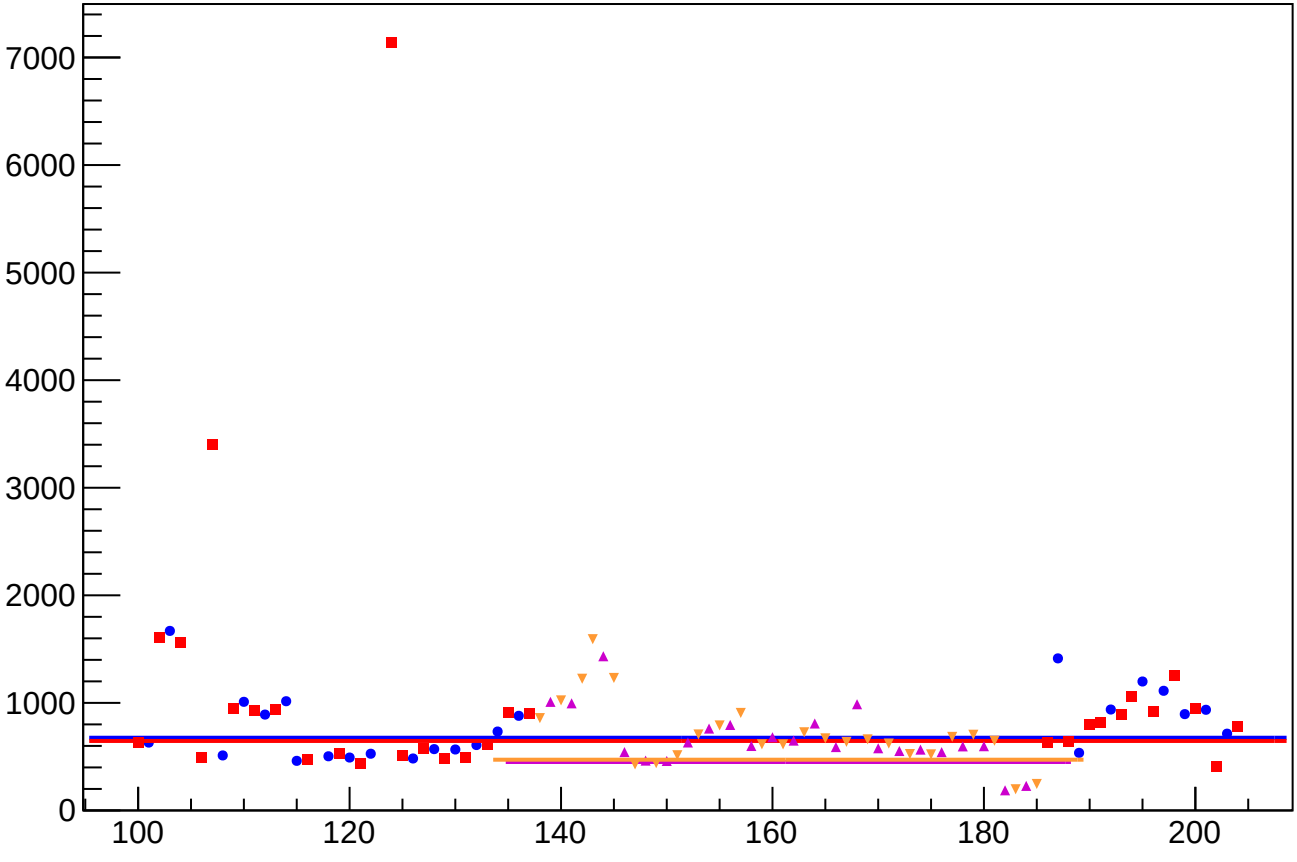
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

\+ sign -169.465+/-103.527 χ^2/NDF: 67.7/48

All: 19.862+/-71.928 χ^2/NDF: 120.2/101

\- sign 196.530+/-100.006 χ^2/NDF: 46.0/52

asym_at1_avg_dit_correction_rms vs Slug



Right In: 675.990+/-0.139 χ^2/NDF: 2479100.7/23

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 646.092+/-0.129 χ^2/NDF: 4045268.4/29

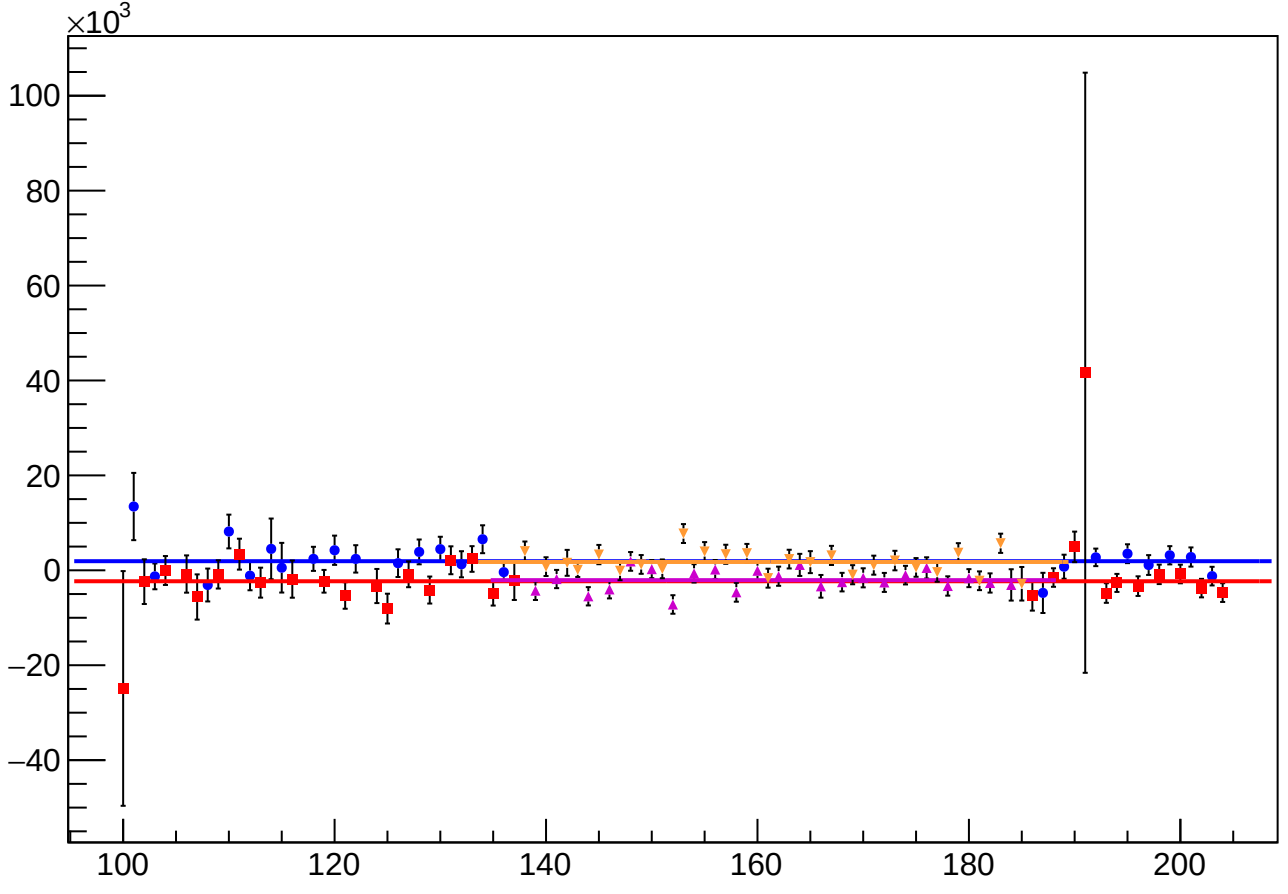
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 528.037+/-0.073 χ^2/NDF: 12145019.3/48

All: 518.621+/-0.051 χ^2/NDF: 25763212.7/10

- sign 509.834+/-0.071 χ^2/NDF: 13586211.1/52

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 1922.005+/-530.131 χ^2/NDF: 23.4/23

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2305.896+/-496.142 χ^2/NDF: 28.4/29

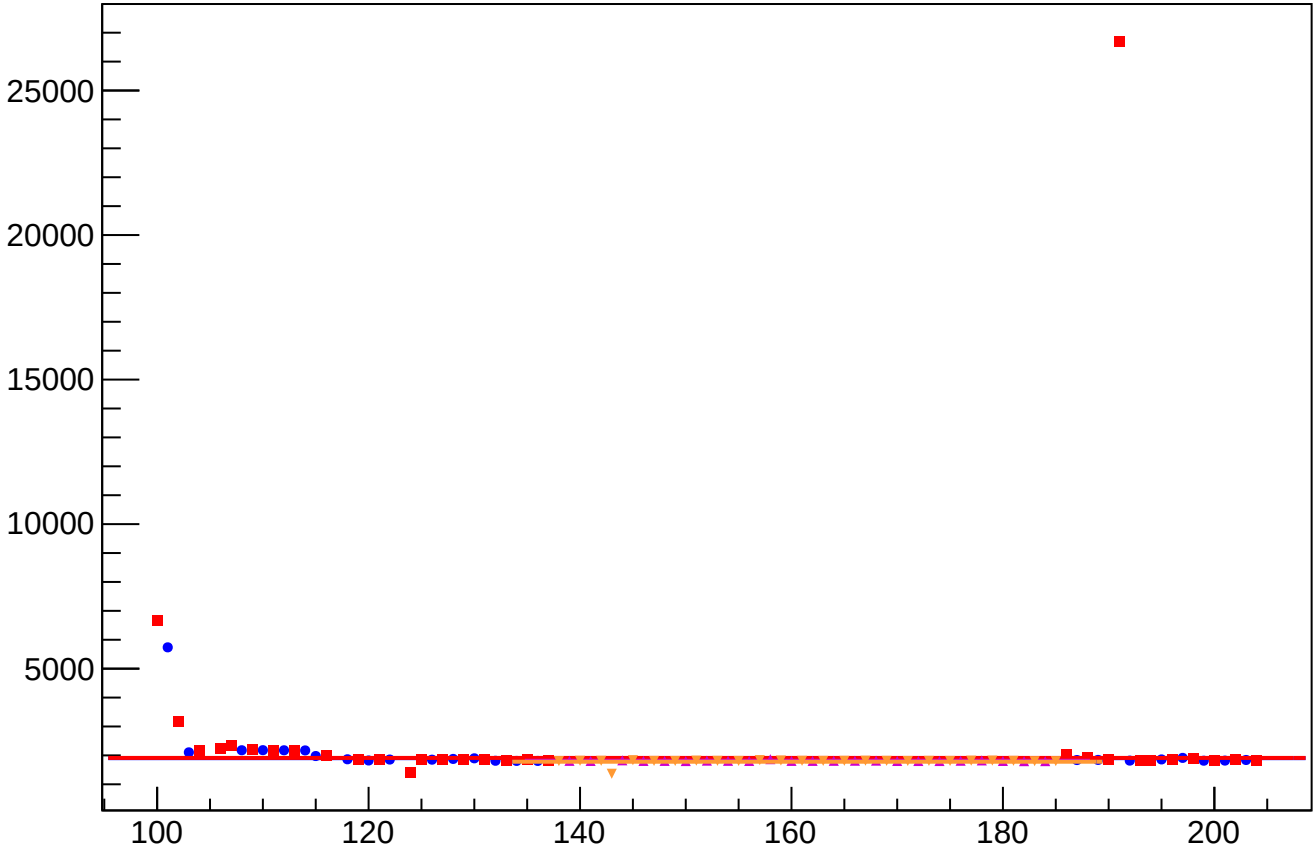
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1816.937+/-322.032 χ^2/NDF: 57.3/48

All: -176.370+/-227.762 χ^2/NDF: 189.5/101

- sign -2171.460+/-322.176 χ^2/NDF: 55.5/52

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1903.864+/-0.375 χ^2/NDF: 669349.1/23

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

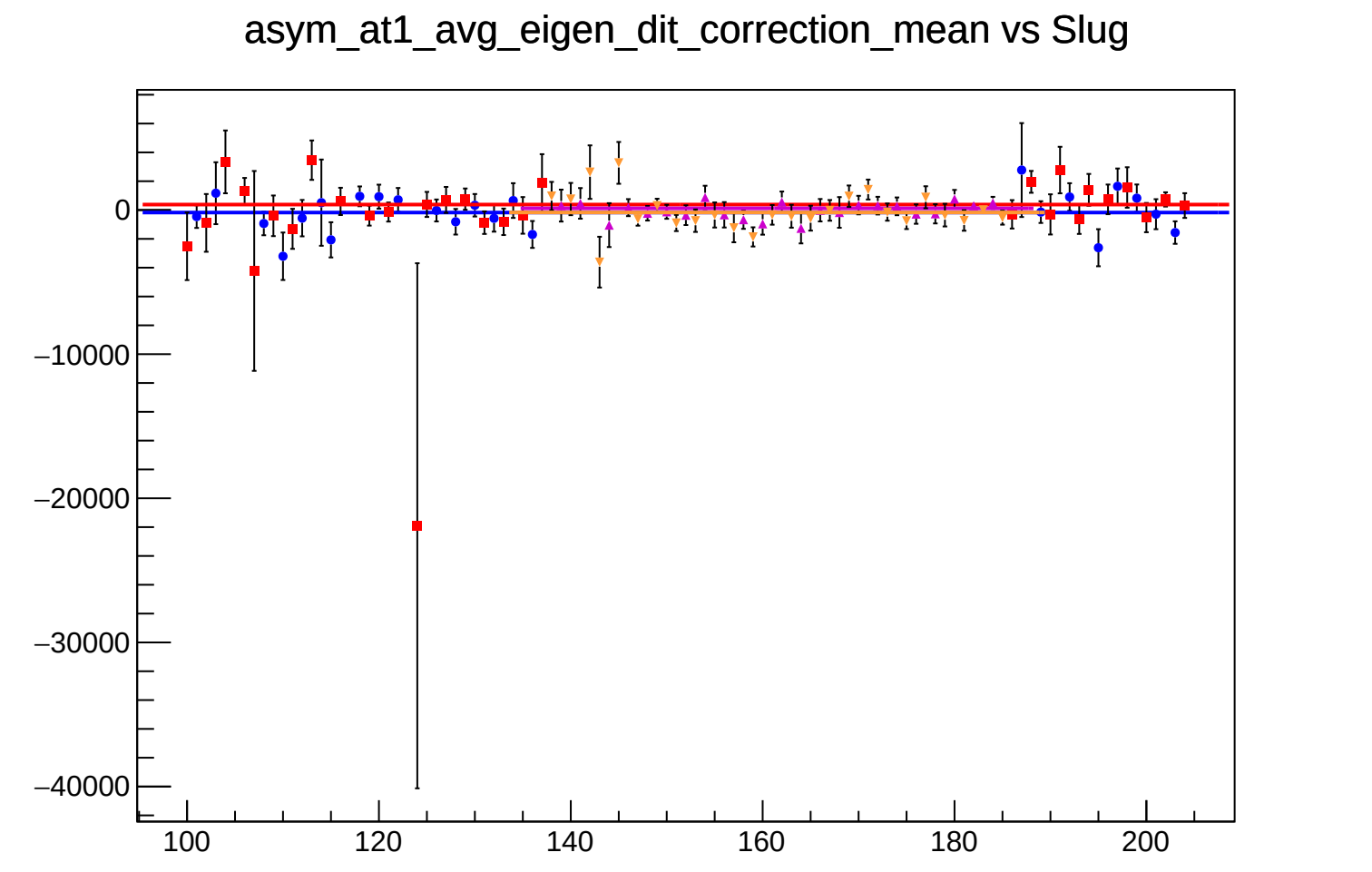
Right Out: 1912.370+/-0.351 χ^2/NDF: 688941.3/29

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.282+/-0.228 χ^2/NDF: 902167.4/48

All: 1841.000+/-0.161 χ^2/NDF: 1646630.9/10

- sign 1855.731+/-0.228 χ^2/NDF: 736104.8/52



Right In: -173.558+/-197.241 χ^2/NDF: 29.4/23

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

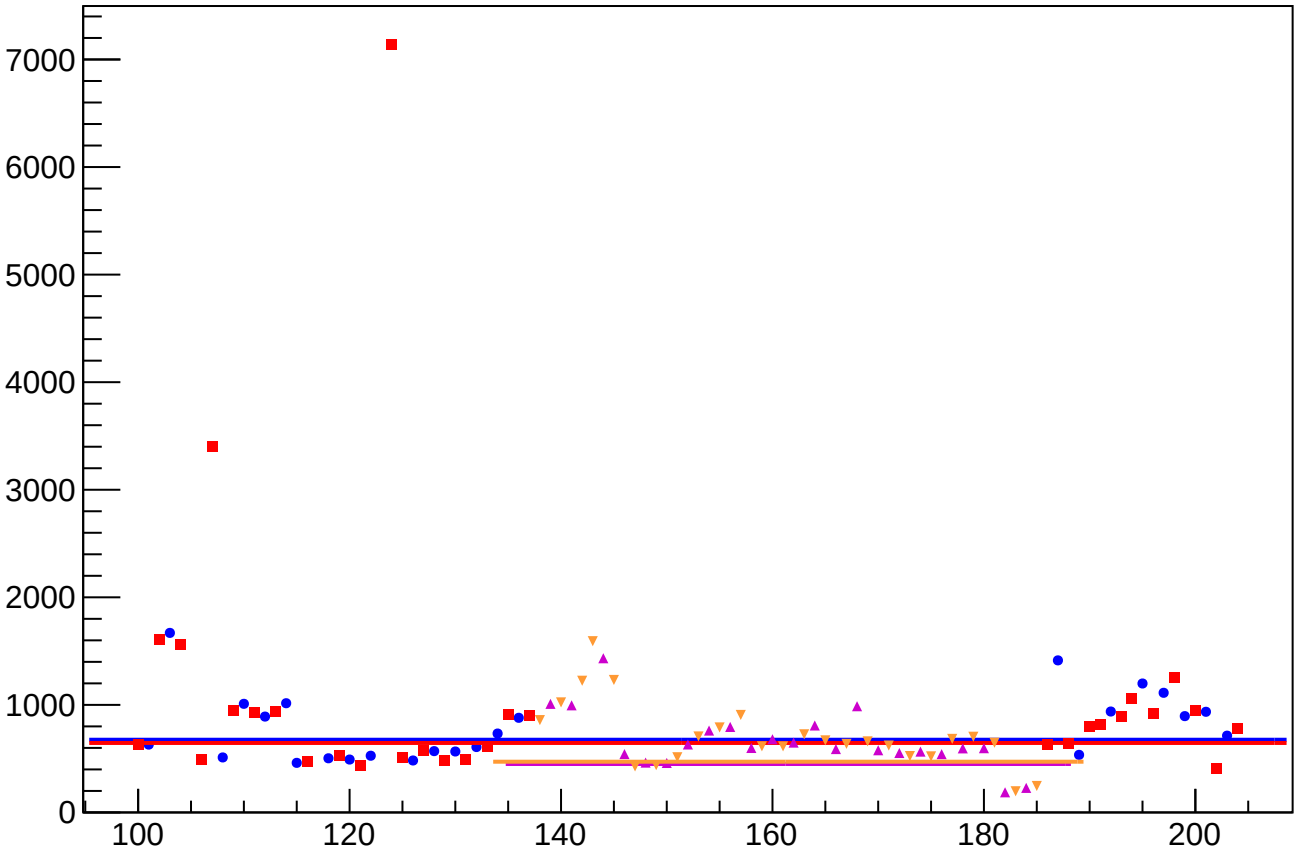
Right Out: 379.149+/-181.735 χ^2/NDF: 32.2/29

Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -169.465+/-103.528 χ^2/NDF: 67.7/48

All: 19.862+/-71.928 χ^2/NDF: 120.2/101

- sign 196.531+/-100.007 χ^2/NDF: 46.0/52



Right In: 675.989+/-0.139 χ^2/NDF: 2479118.5/23

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 646.092+/-0.129 χ^2/NDF: 4045275.3/29

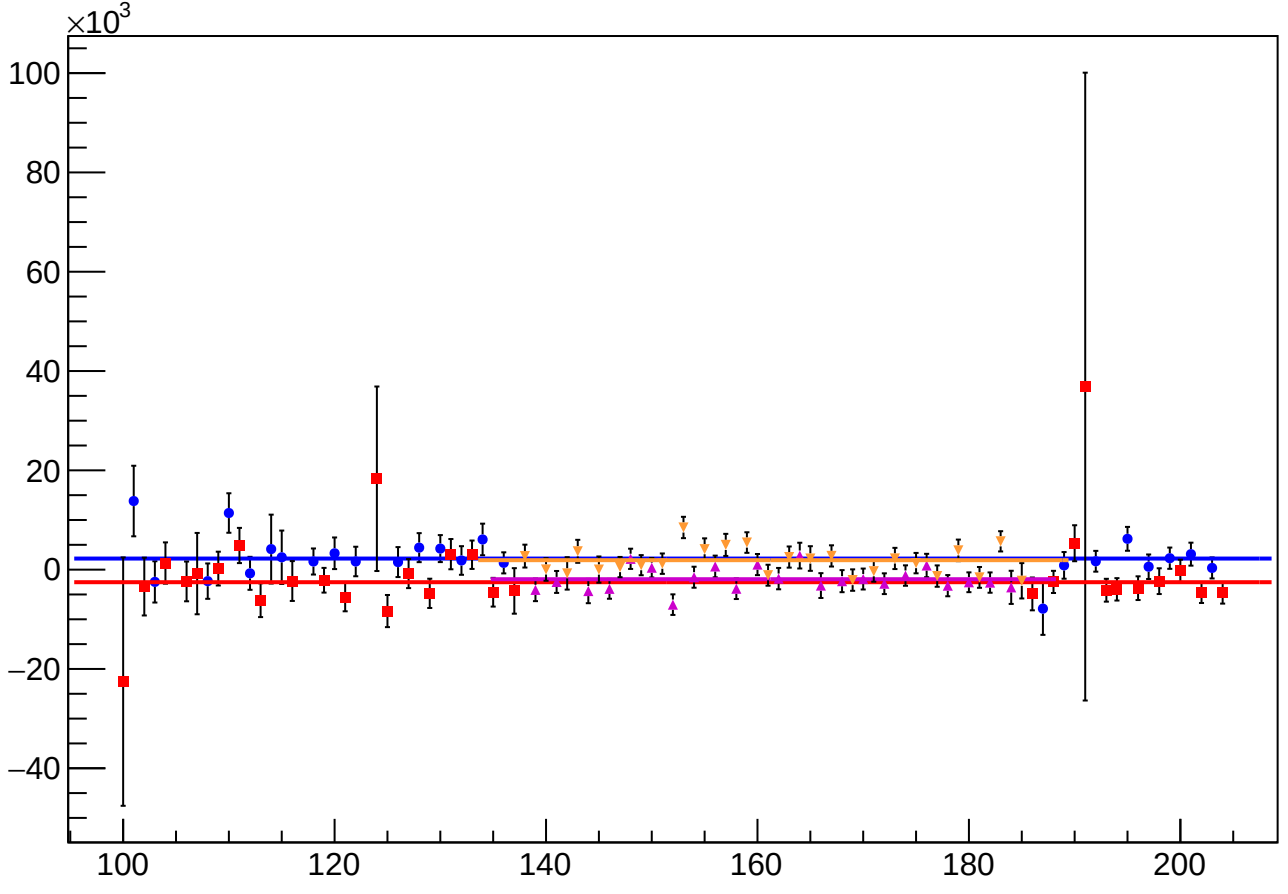
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 528.037+/-0.073 χ^2/NDF: 12145017.0/48

All: 518.621+/-0.051 χ^2/NDF: 25763185.1/10

- sign 509.835+/-0.071 χ^2/NDF: 13586186.9/52

asym_at1_avg_mean vs Slug



Right In: 2233.444+/-587.904 χ^2/NDF: 22.9/23

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -2528.631+/-558.055 χ^2/NDF: 31.8/29

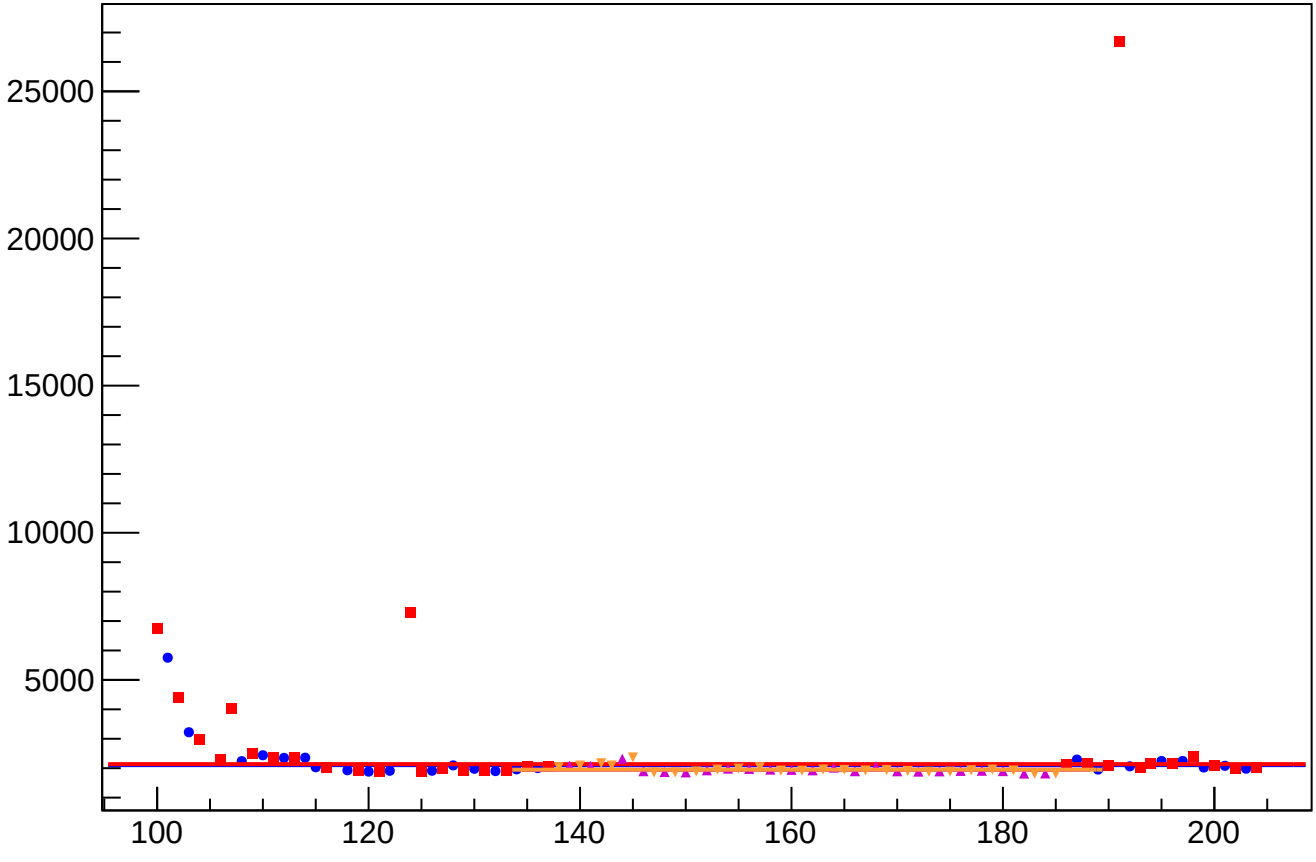
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2025.639+/-354.067 χ^2/NDF: 59.3/48

All: -79.414+/-249.838 χ^2/NDF: 187.0/101

- sign -2166.905+/-352.587 χ^2/NDF: 57.3/52

asym_at1_avg_rms vs Slug



Right In: 2104.157+/-0.416 χ^2/NDF: 793236.6/23

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

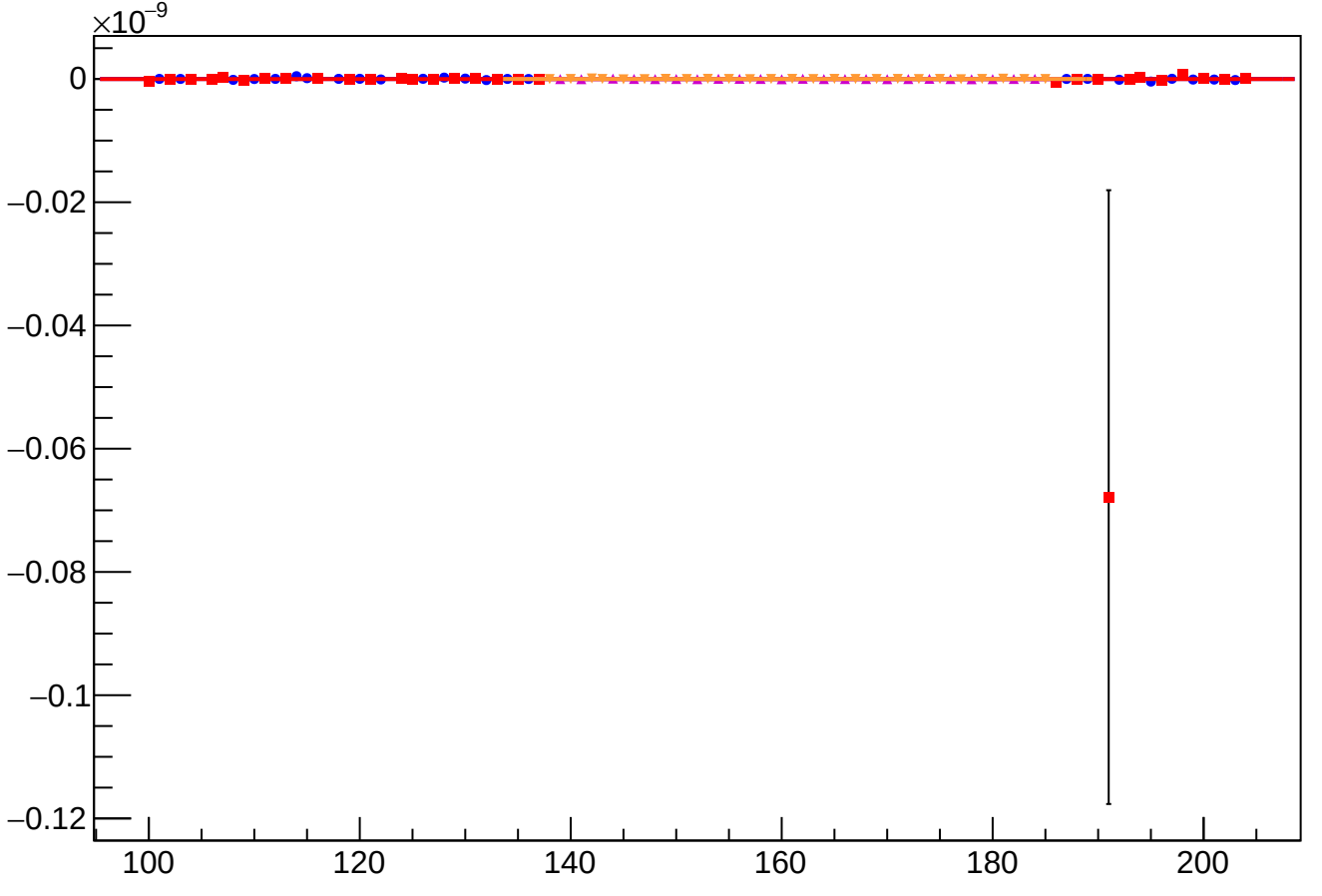
Right Out: 2138.162+/-0.395 χ^2/NDF: 1174365.2/29

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2005.278+/-0.250 χ^2/NDF: 990536.0/48

All: 2013.768+/-0.177 χ^2/NDF: 2406915.5/10

- sign 2022.188+/-0.249 χ^2/NDF: 1414089.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

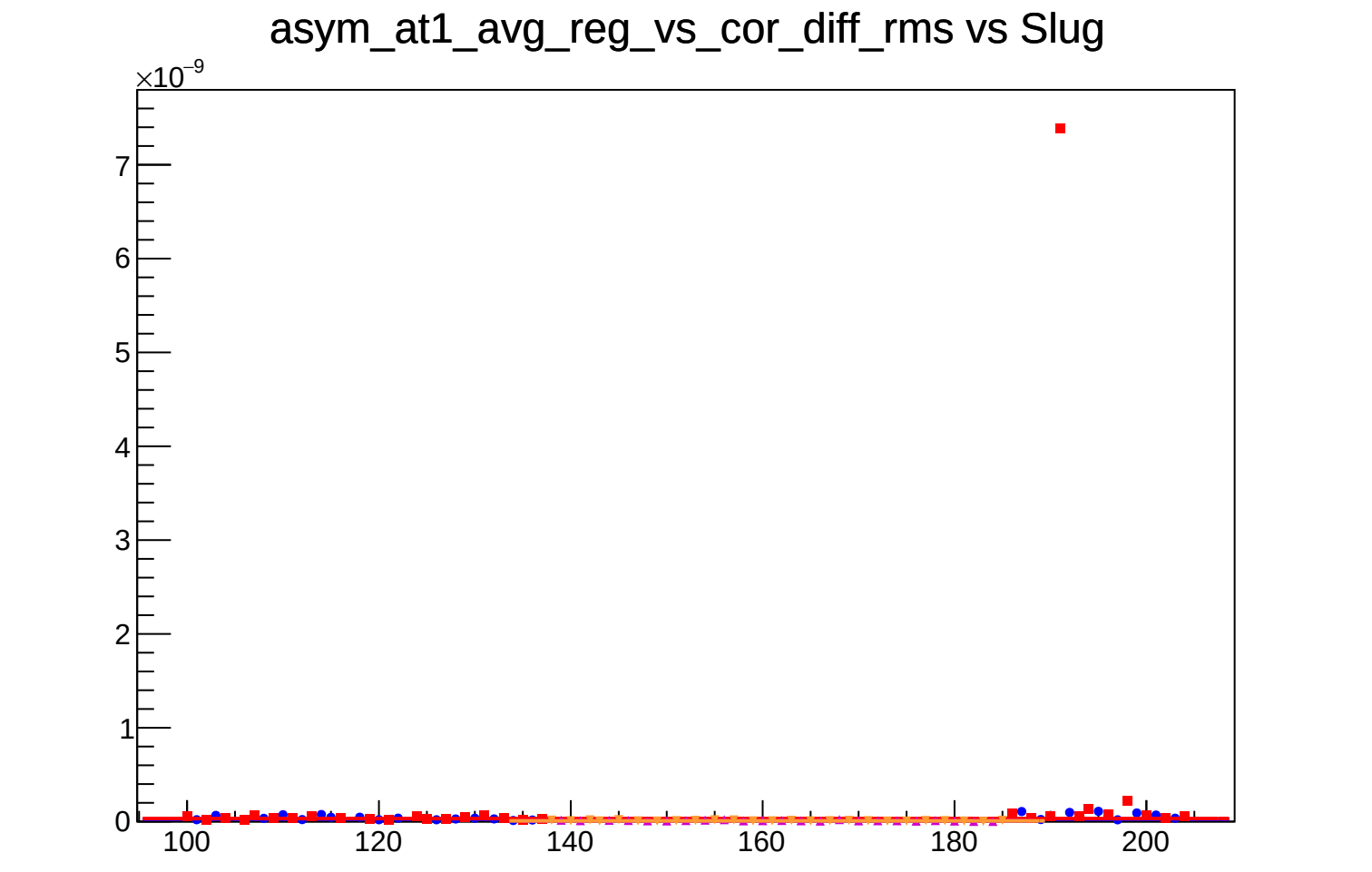
Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/29

Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

\+ sign 0.000+/-0.000 χ^2/NDF: 57.2/48

All: 0.000+/-0.000 χ^2/NDF: 119.8/101

\- sign 0.000+/-0.000 χ^2/NDF: 62.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 2777041.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2796229.5/29

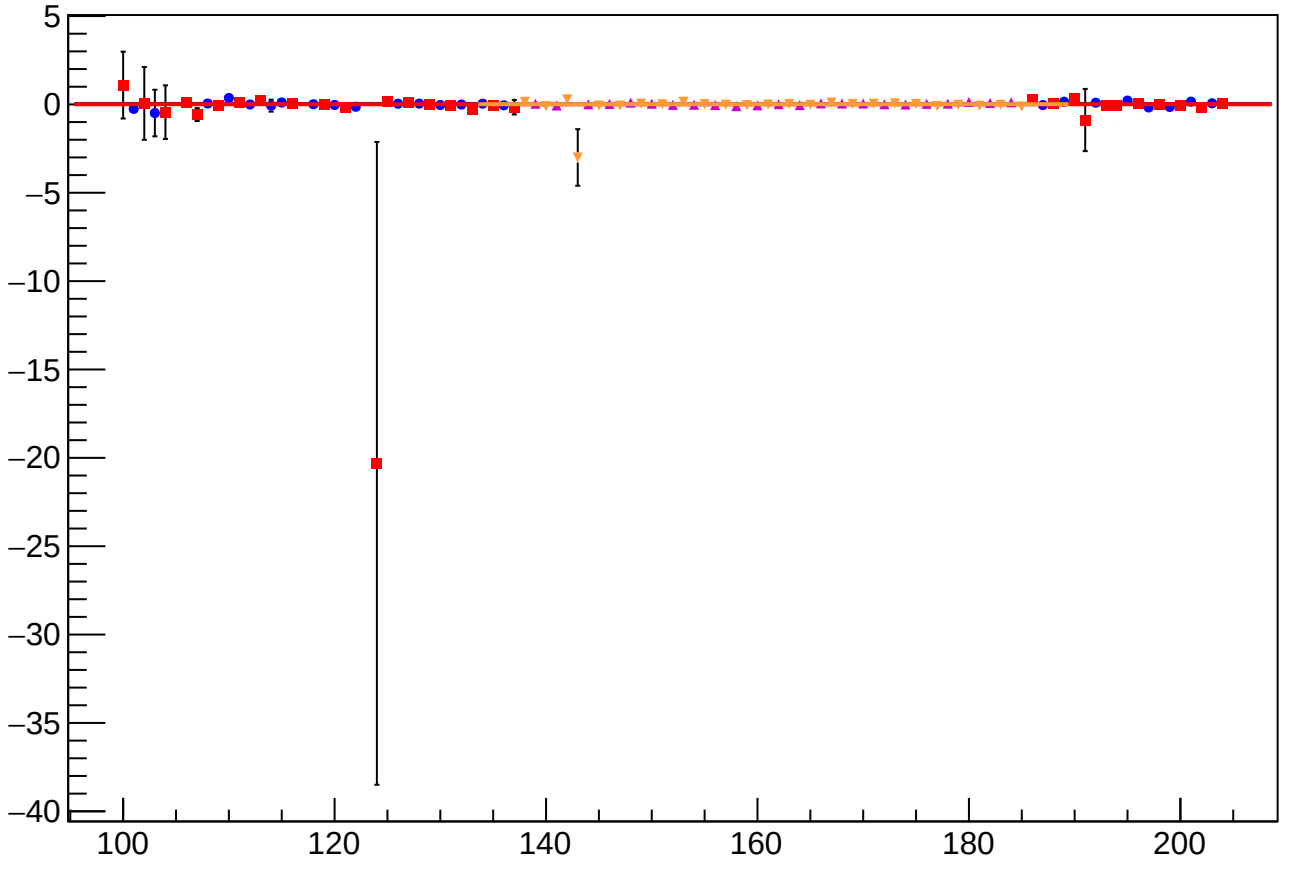
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7886020.5/48

All: 0.000+/-0.000 χ^2/NDF: 17664978.9/101

- sign 0.000+/-0.000 χ^2/NDF: 9775889.1/52

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.025+/-0.022 χ^2/NDF: 20.0/23

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.009+/-0.021 χ^2/NDF: 27.3/29

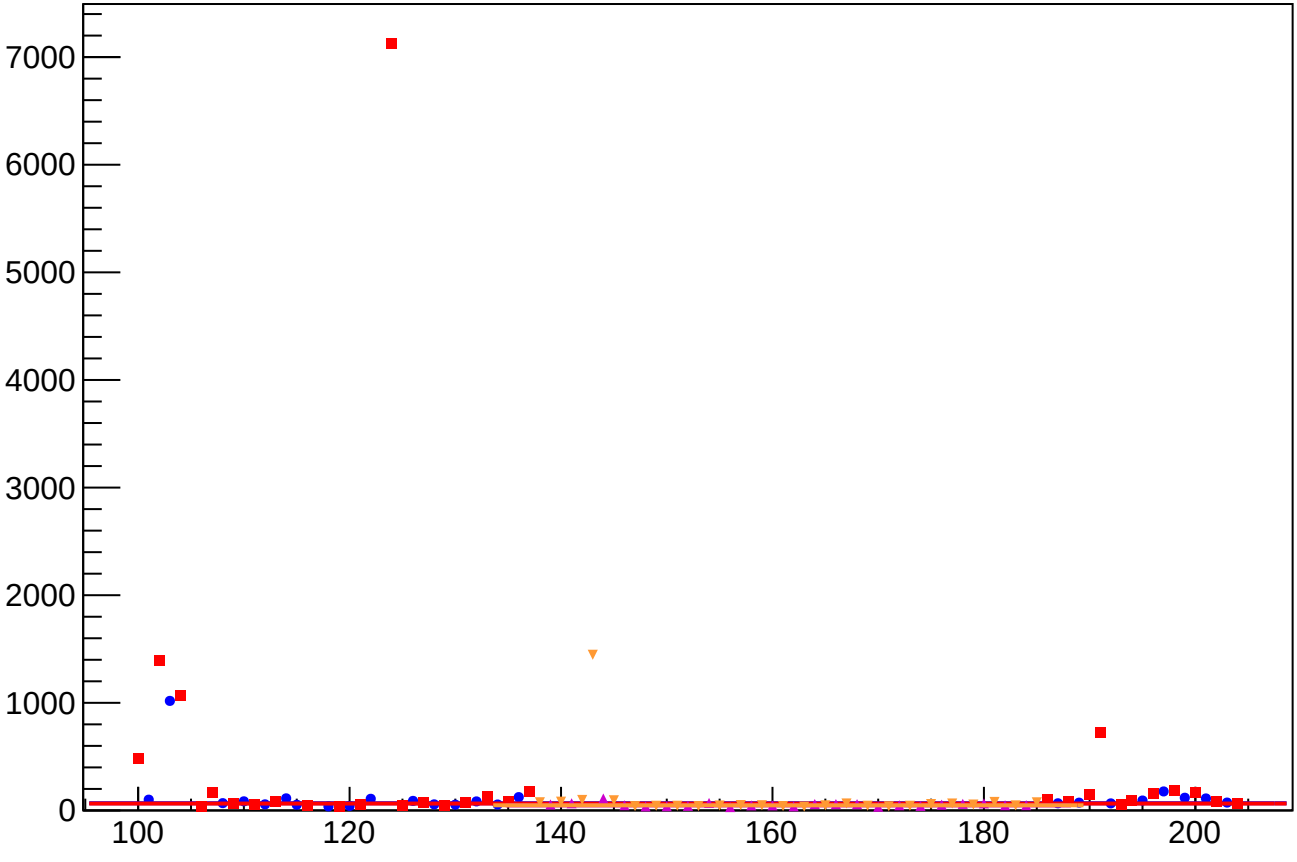
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.015+/-0.011 χ^2/NDF: 49.9/48

All: 0.015+/-0.008 χ^2/NDF: 97.7/101

- sign 0.016+/-0.011 χ^2/NDF: 47.8/52

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 67.087+/-0.016 χ^2/NDF: 3773358.3/23

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

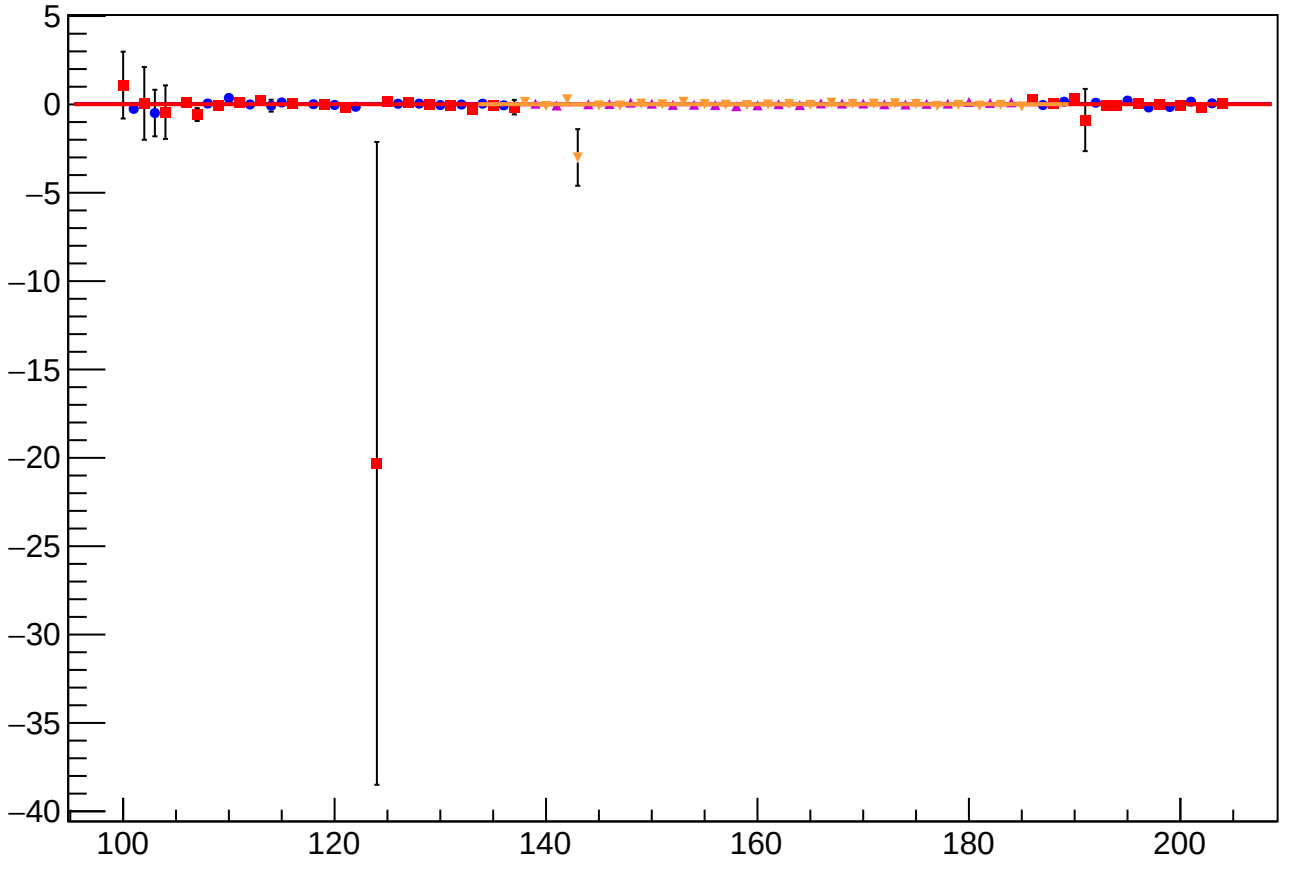
Right Out: 64.112+/-0.015 χ^2/NDF: 6174991.4/29

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 52.458+/-0.008 χ^2/NDF: 8399556.7/48

All: 51.817+/-0.005 χ^2/NDF: 17558480.9/101

- sign 51.210+/-0.007 χ^2/NDF: 9145363.6/52



Right In: 0.025+/-0.022 χ^2/NDF: 20.0/23

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.009+/-0.021 χ^2/NDF: 27.3/29

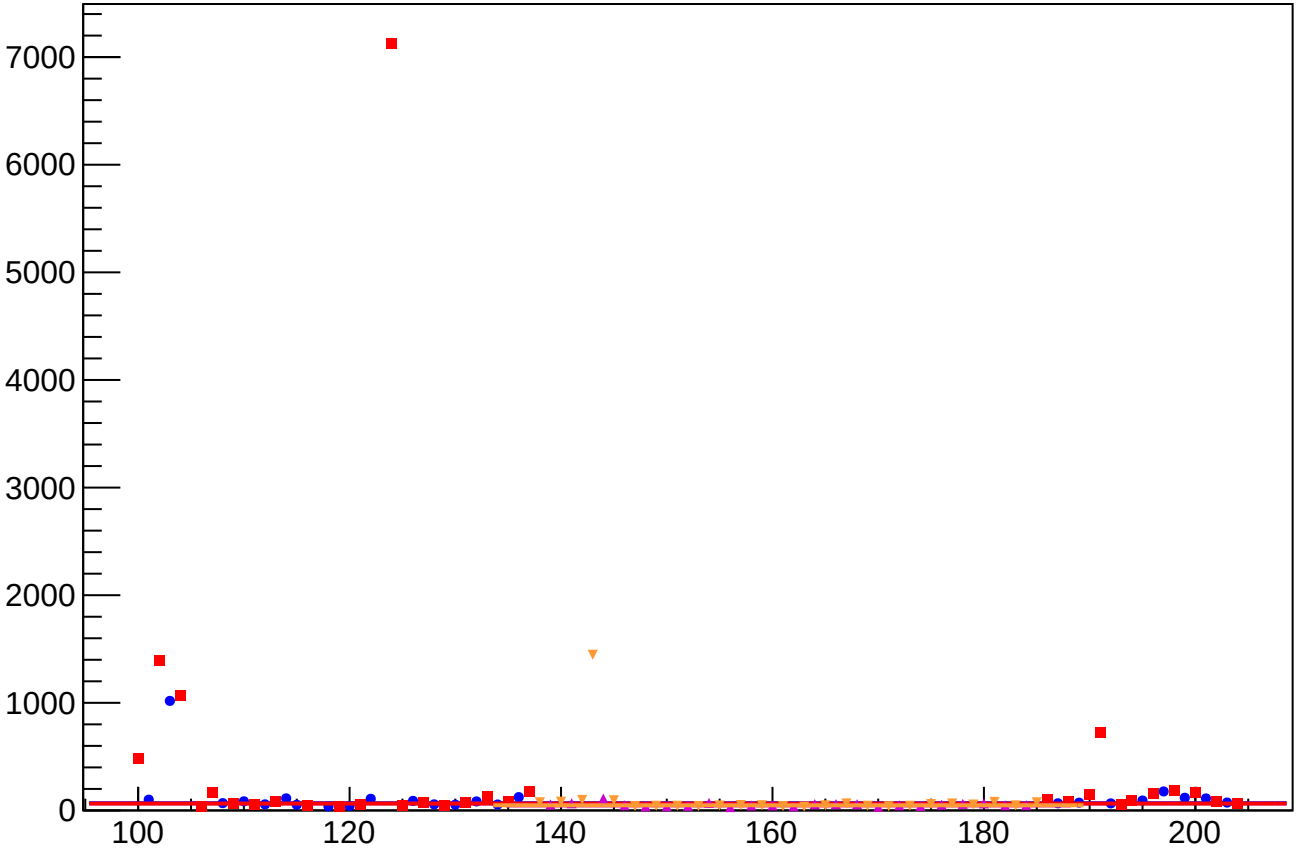
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.015+/-0.011 χ^2/NDF: 49.9/48

All: 0.015+/-0.008 χ^2/NDF: 97.7/101

- sign 0.016+/-0.011 χ^2/NDF: 47.8/52

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.087+/-0.016 χ^2/NDF: 3773358.3/23

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.112+/-0.015 χ^2/NDF: 6174991.4/29

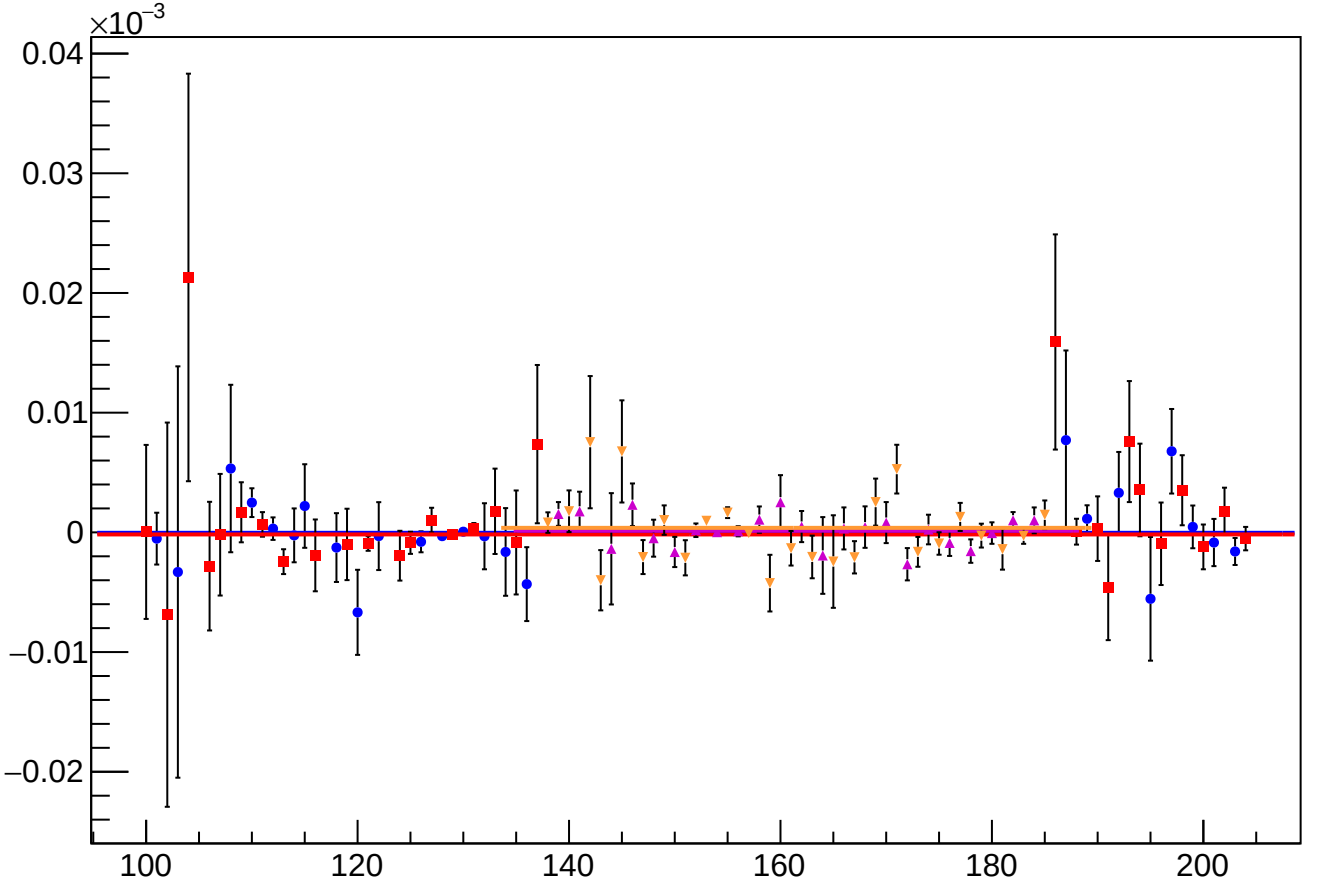
Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 52.458+/-0.008 χ^2/NDF: 8399556.7/48

All: 51.817+/-0.005 χ^2/NDF: 17558480.9/101

- sign 51.210+/-0.007 χ^2/NDF: 9145363.6/52

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/29

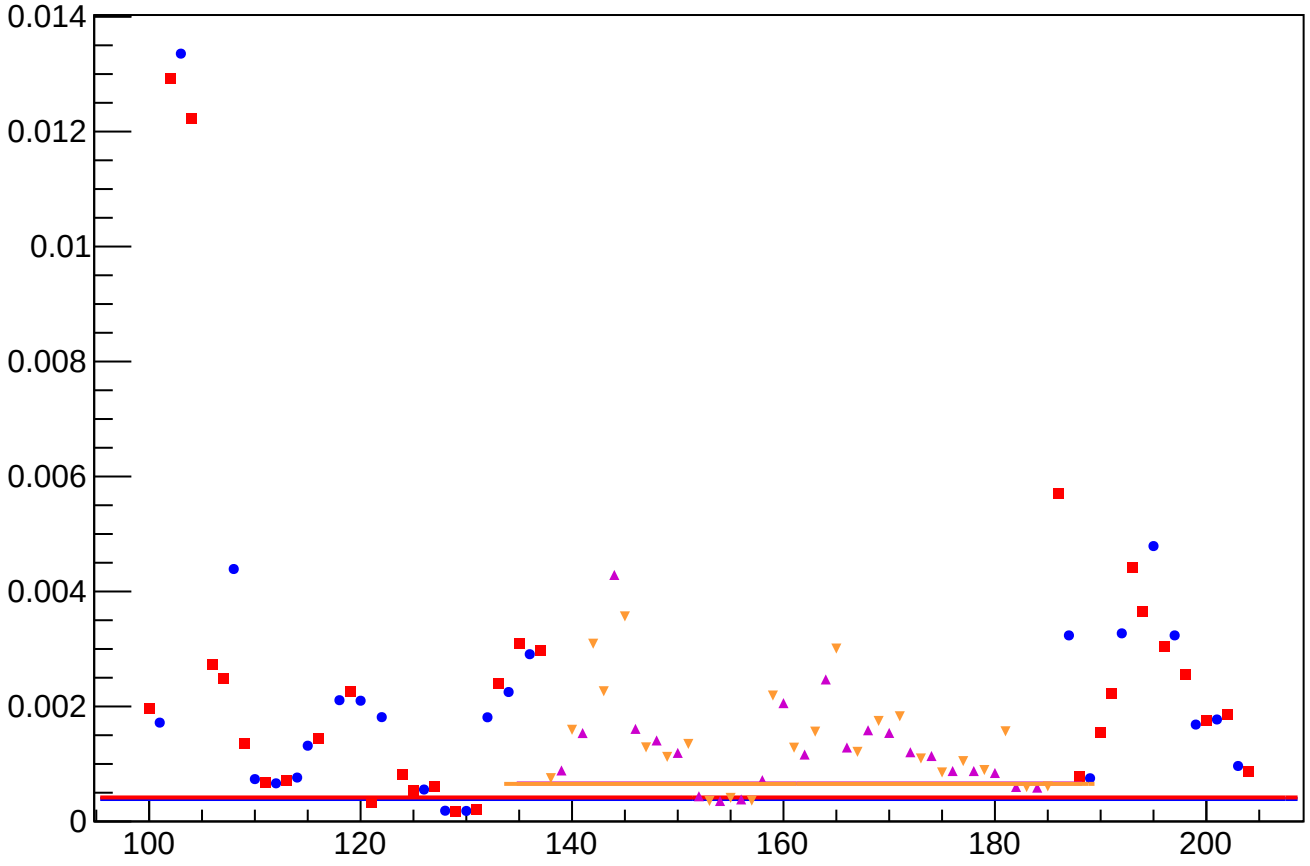
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.2/48

All: 0.000+/-0.000 χ^2/NDF: 125.9/101

- sign -0.000+/-0.000 χ^2/NDF: 47.6/52

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16334253.7/23

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17533633.9/29

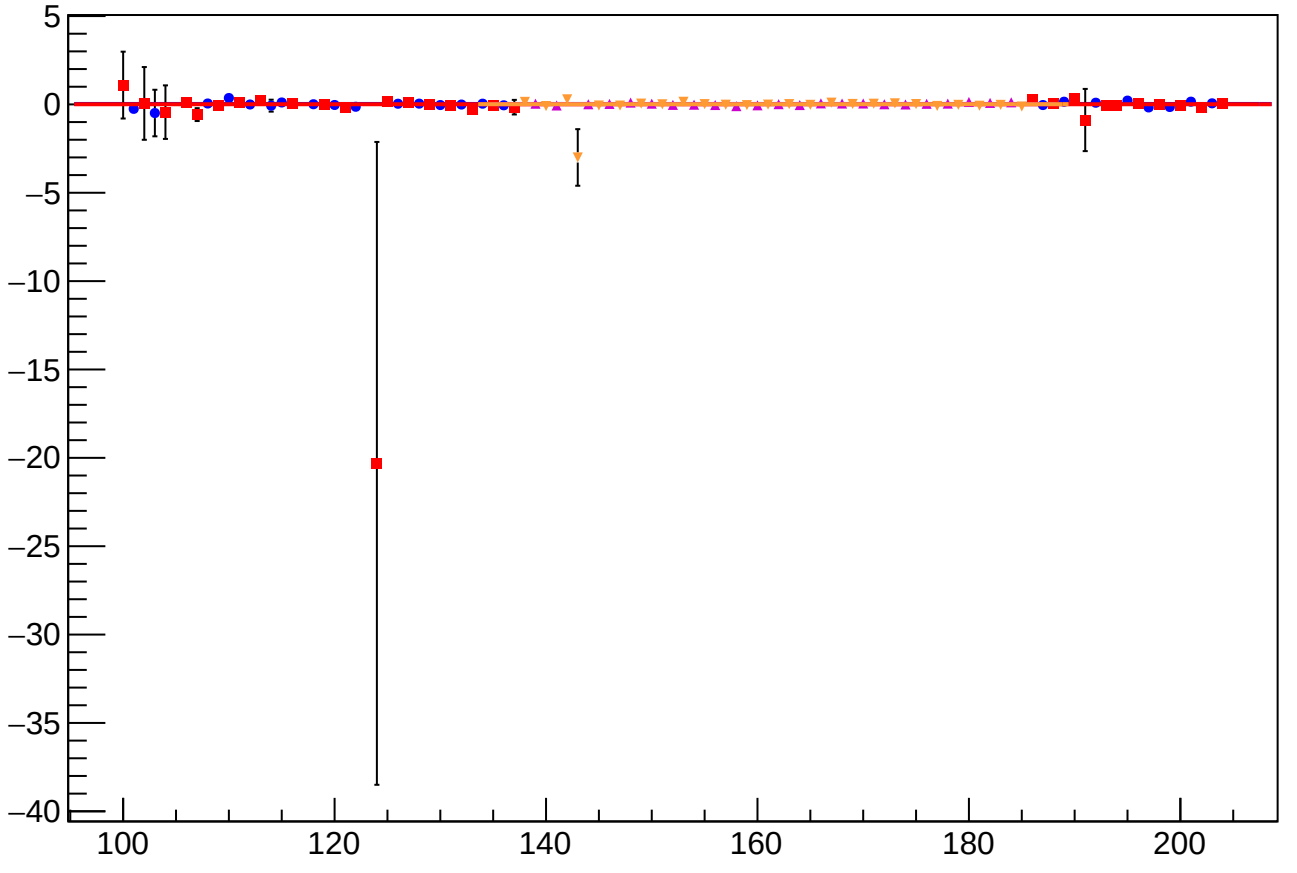
Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 30468506.9/48

All: 0.001+/-0.000 χ^2/NDF: 59429411.7/101

- sign 0.001+/-0.000 χ^2/NDF: 28952979.6/52

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.025+/-0.022 χ^2/NDF: 20.0/23

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.009+/-0.021 χ^2/NDF: 27.3/29

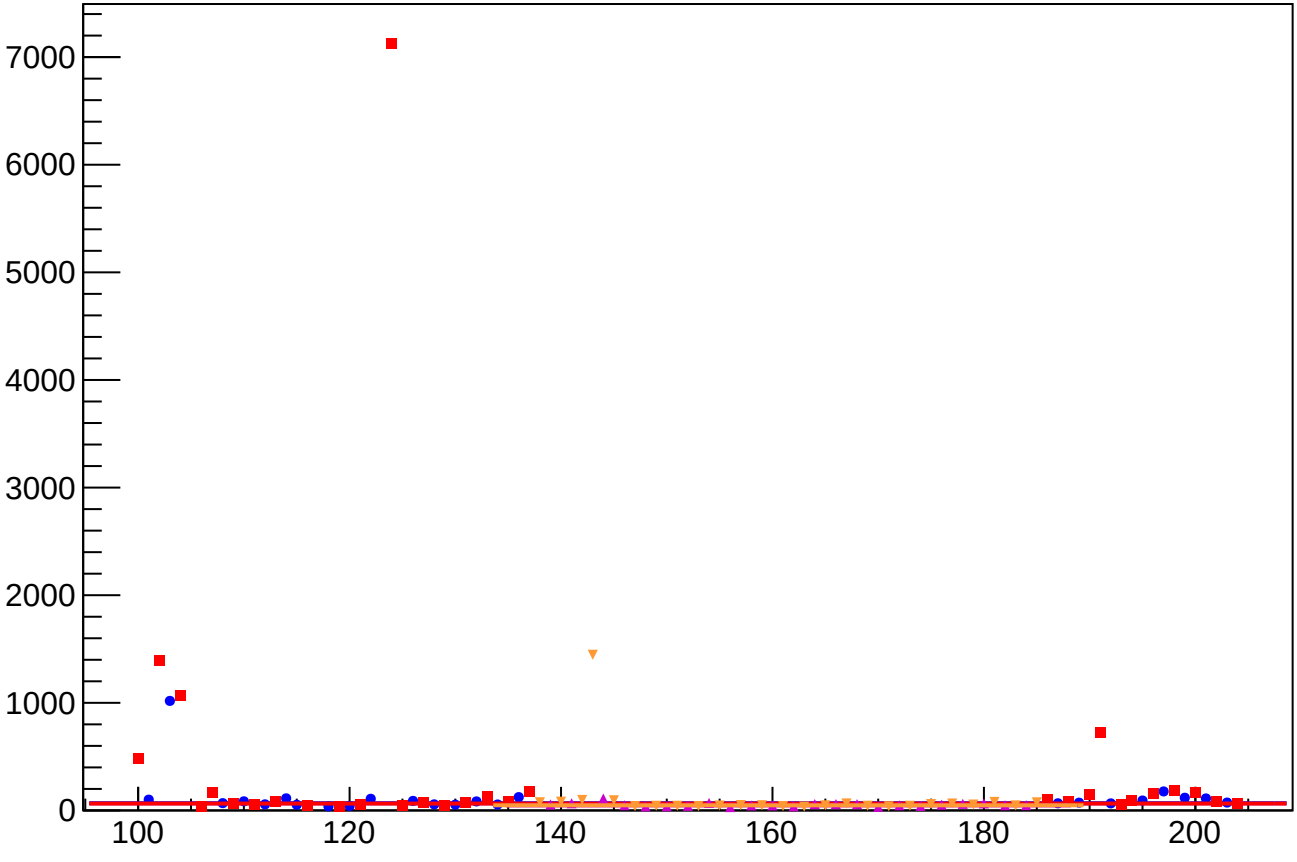
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.015+/-0.011 χ^2/NDF: 49.9/48

All: 0.015+/-0.008 χ^2/NDF: 97.7/101

- sign 0.016+/-0.011 χ^2/NDF: 47.8/52

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.087+/-0.016 χ^2/NDF: 3773399.7/23

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

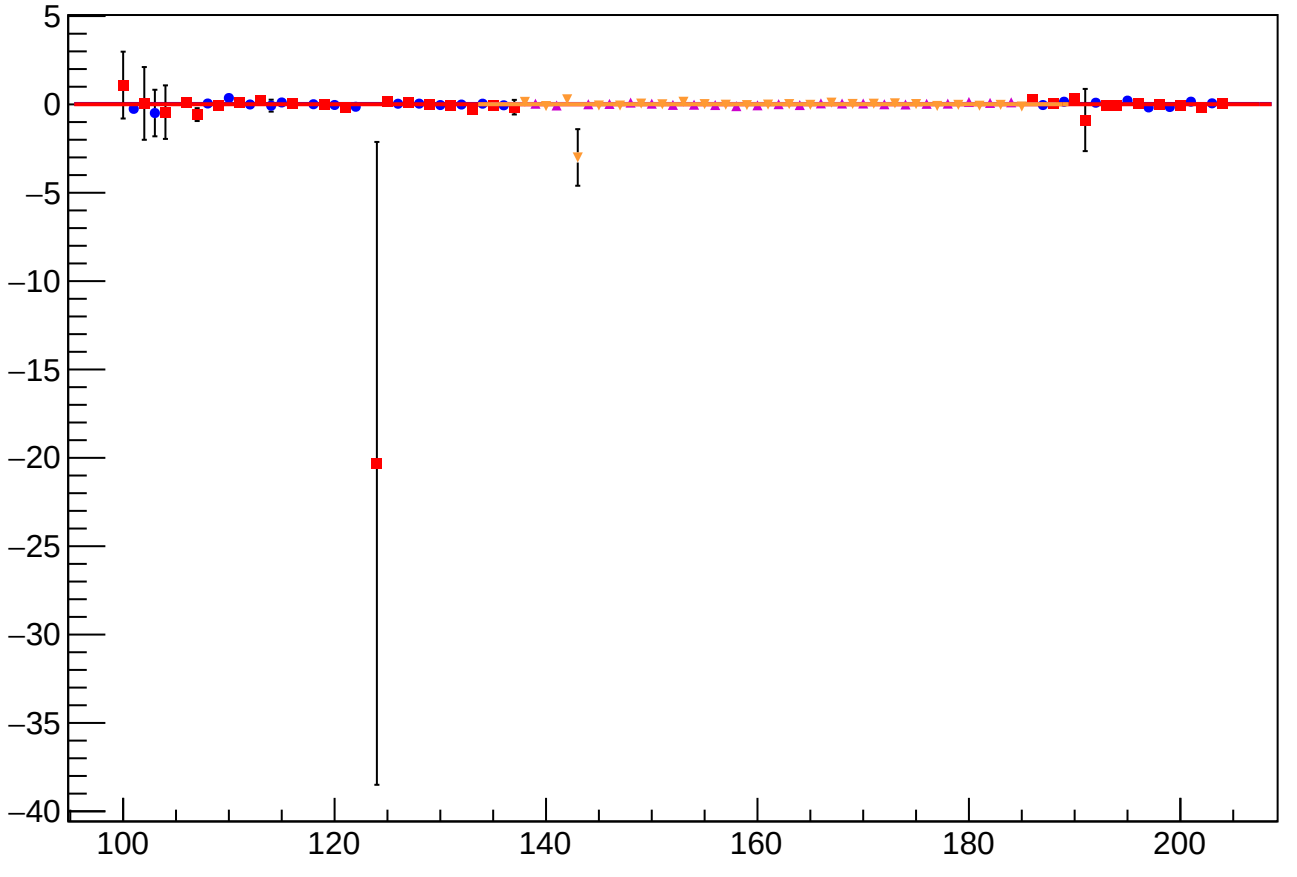
Right Out: 64.111+/-0.015 χ^2/NDF: 6175153.3/29

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 52.459+/-0.008 χ^2/NDF: 8399543.2/48

All: 51.817+/-0.005 χ^2/NDF: 17558533.3/101

- sign 51.210+/-0.007 χ^2/NDF: 9145421.4/52



Right In: 0.025+/-0.022 χ^2/NDF: 20.0/23

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.009+/-0.021 χ^2/NDF: 27.3/29

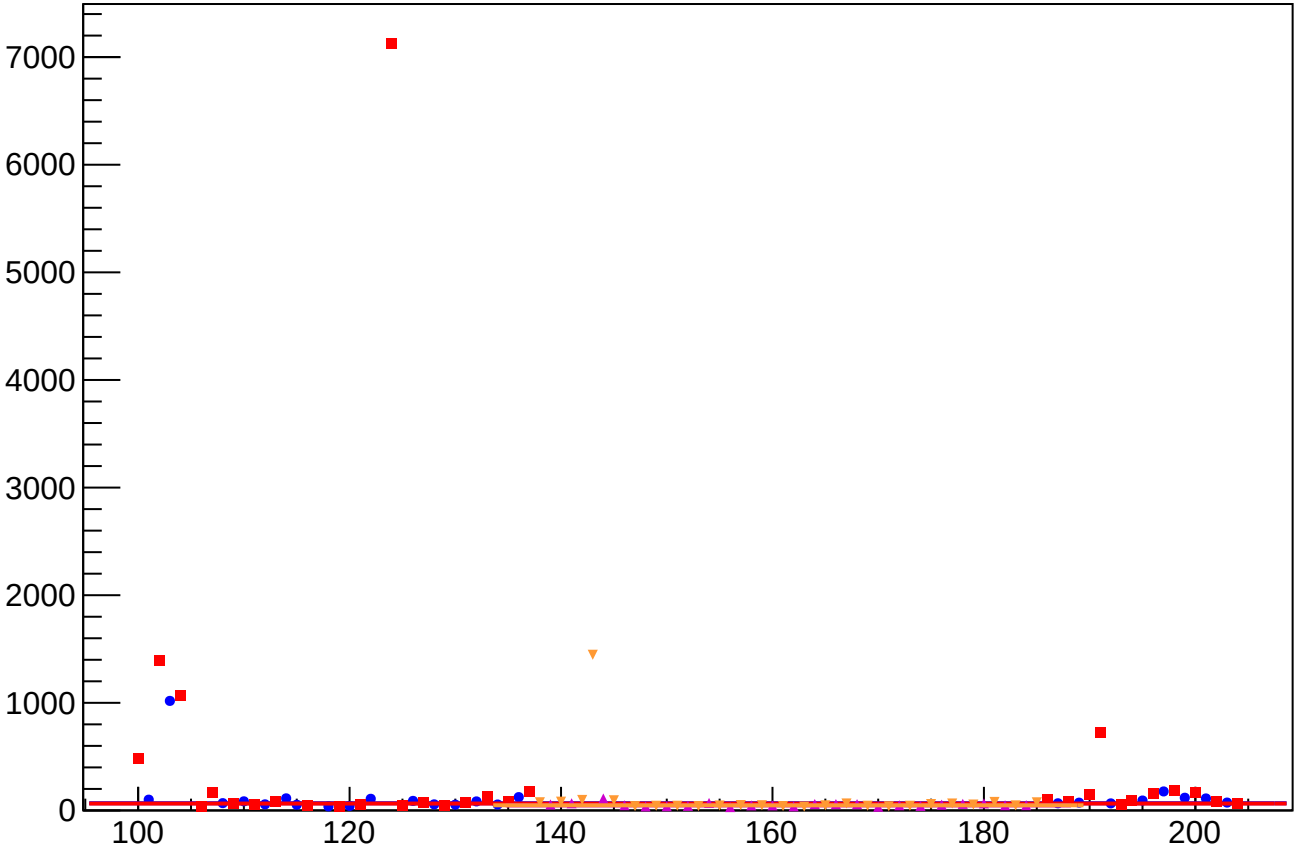
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.015+/-0.011 χ^2/NDF: 49.9/48

All: 0.015+/-0.008 χ^2/NDF: 97.7/101

- sign 0.016+/-0.011 χ^2/NDF: 47.8/52

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.087+/-0.016 χ^2/NDF: 3773399.7/23

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

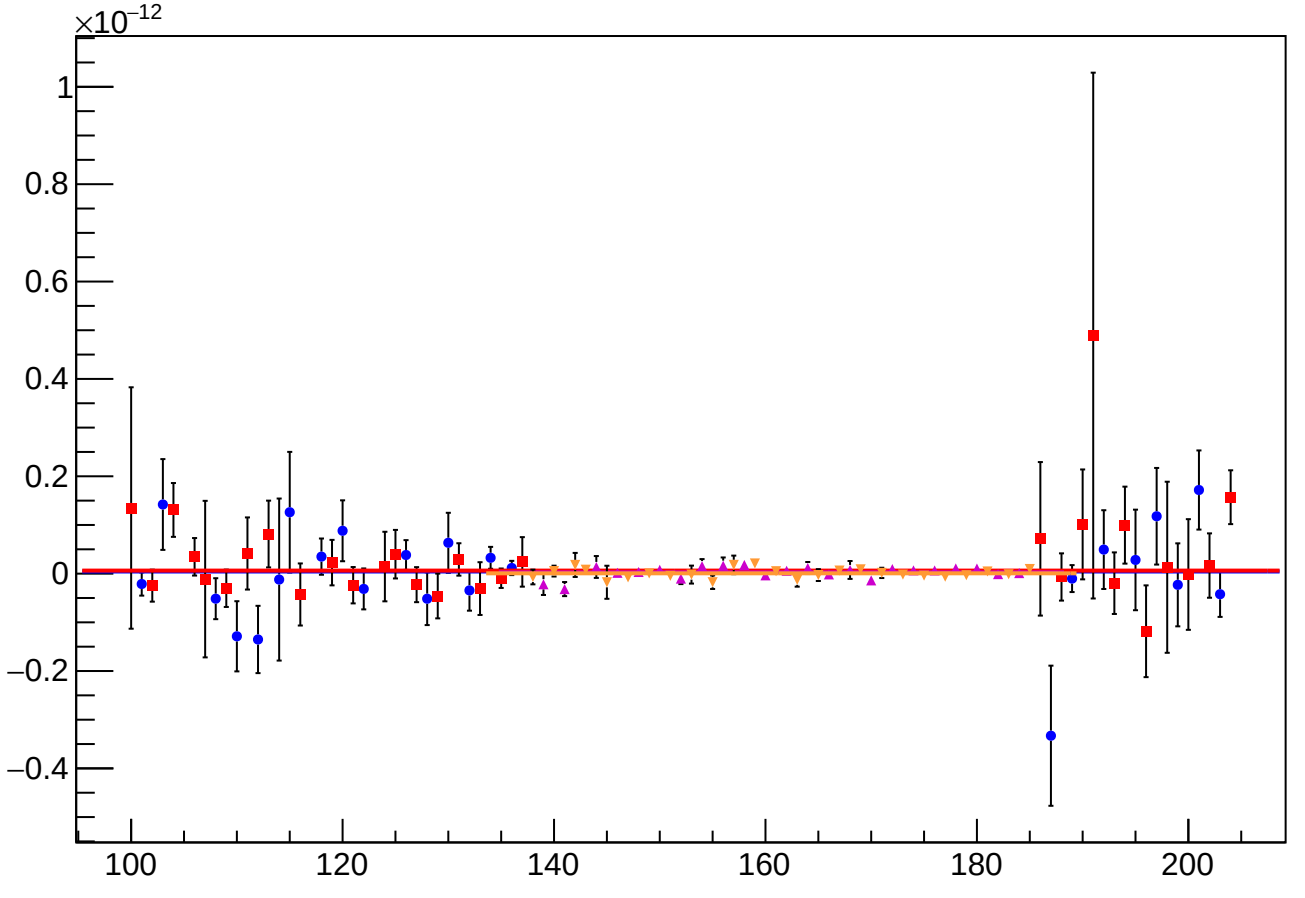
Right Out: 64.111+/-0.015 χ^2/NDF: 6175153.3/29

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 52.459+/-0.008 χ^2/NDF: 8399543.2/48

All: 51.817+/-0.005 χ^2/NDF: 17558533.3/101

- sign 51.210+/-0.007 χ^2/NDF: 9145421.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 35.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

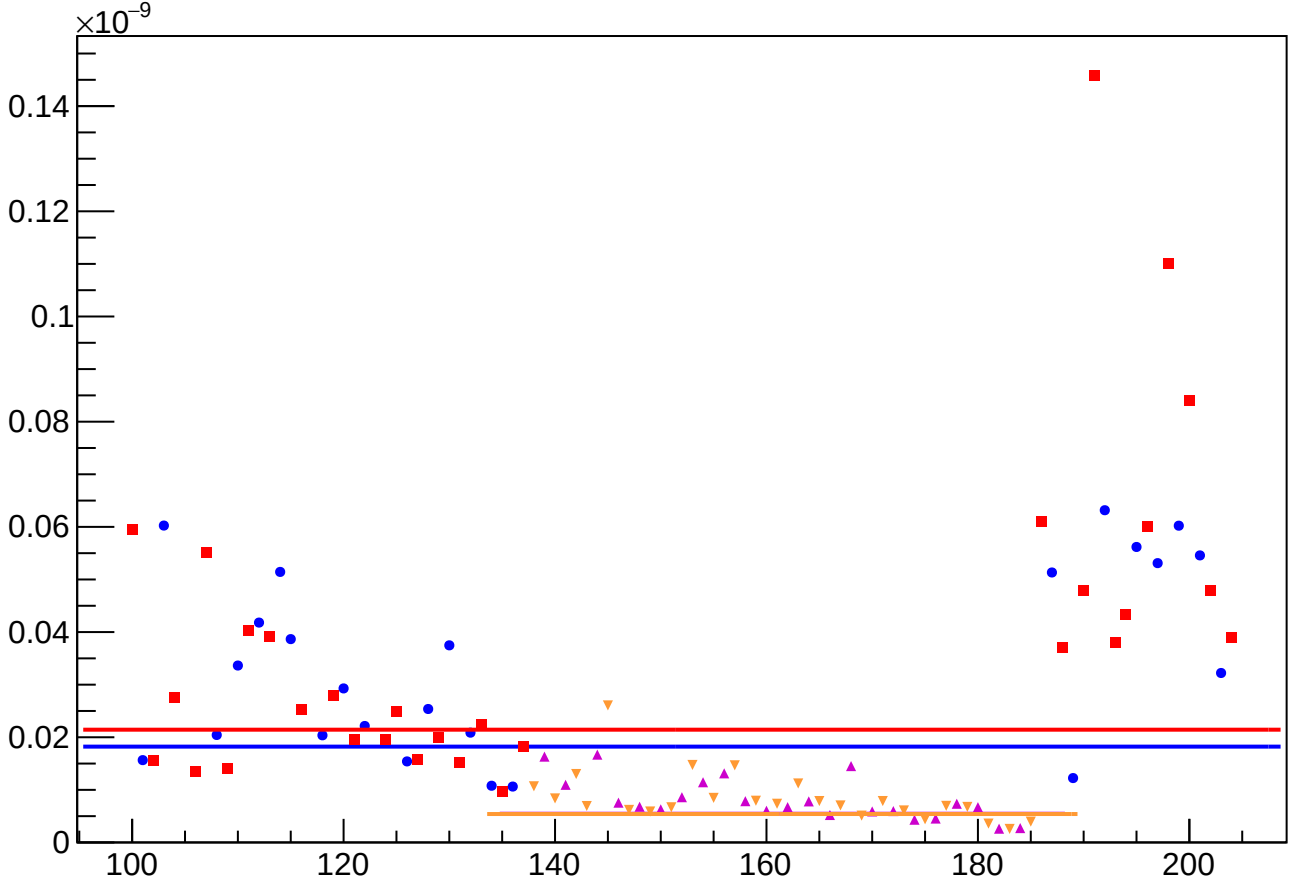
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/29

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.7/48

All: 0.000+/-0.000 χ^2/NDF: 100.4/101

- sign 0.000+/-0.000 χ^2/NDF: 49.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 4392016.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4347827.6/29

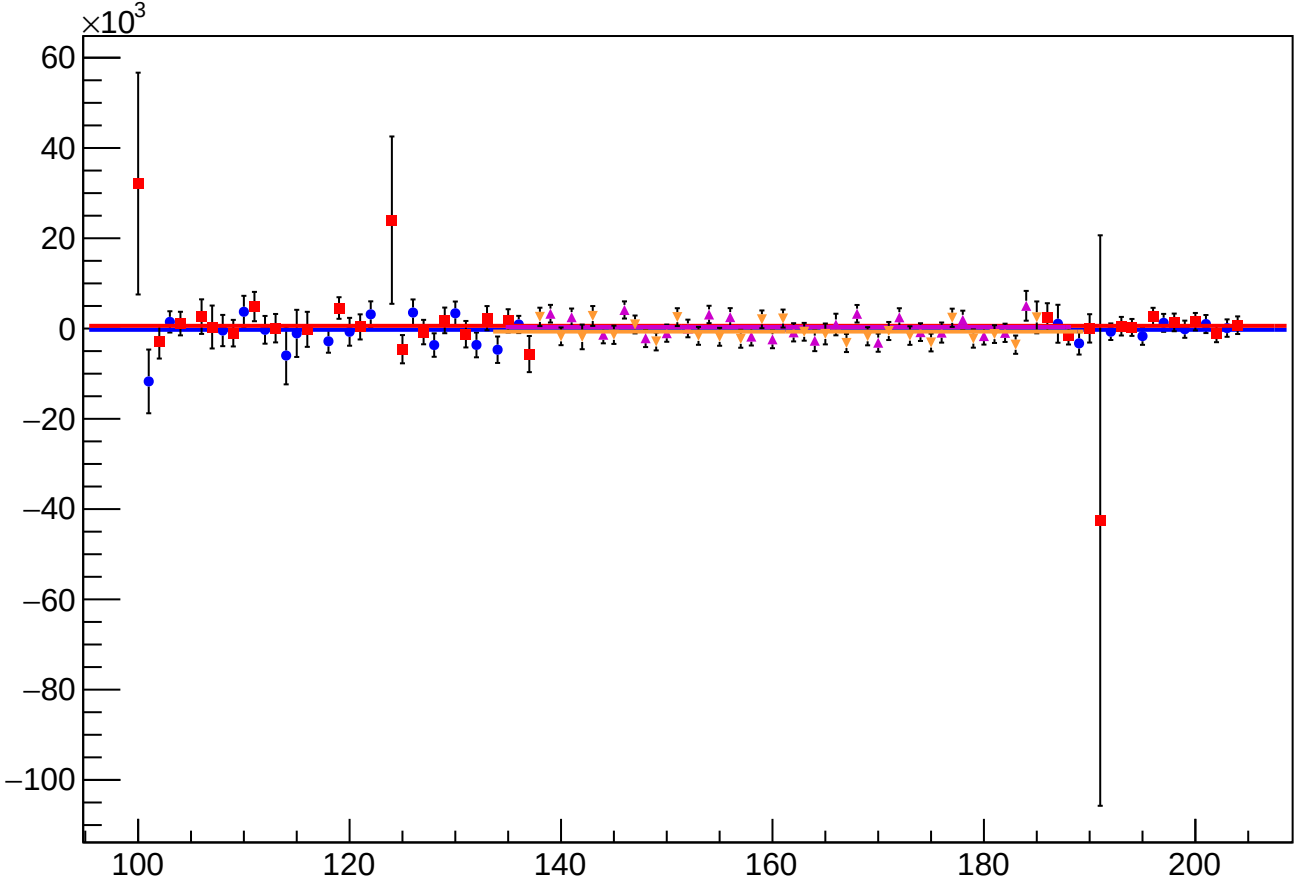
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 14496302.3/48

All: 0.000+/-0.000 χ^2/NDF: 29751685.1/101

- sign 0.000+/-0.000 χ^2/NDF: 15253148.9/52

reg_asym_at1_dd_mean vs Slug



Right In: -283.800+/-521.018 χ^2/NDF: 20.5/23

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 600.452+/-490.454 χ^2/NDF: 20.3/29

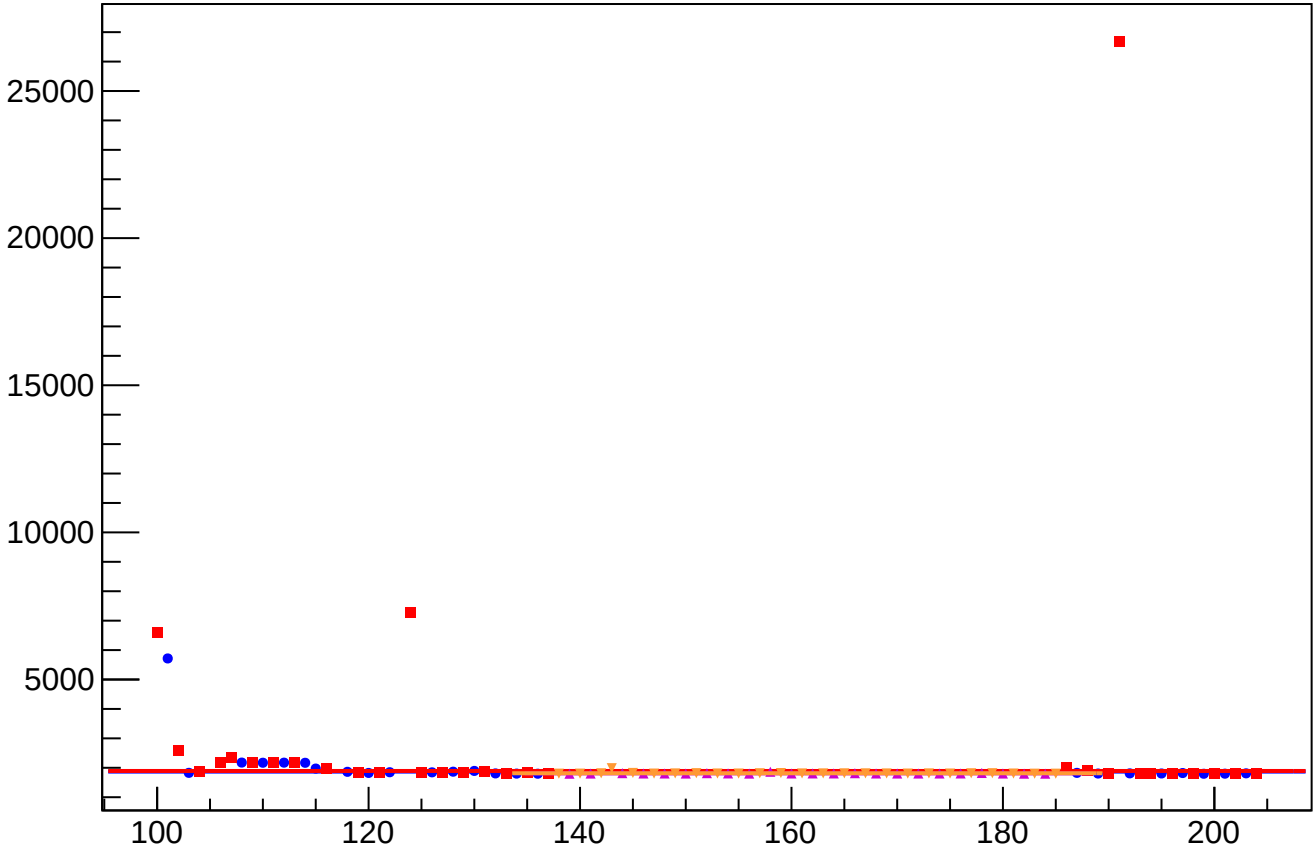
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

\+ sign -521.352+/-323.269 χ^2/NDF: 45.5/48

All: -29.675+/-227.491 χ^2/NDF: 100.6/101

\- sign 452.700+/-320.196 χ^2/NDF: 50.5/52

reg_asym_at1_dd_rms vs Slug



Right In: 1871.456+/-0.368 χ^2/NDF: 669459.6/23

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1891.586+/-0.347 χ^2/NDF: 741804.1/29

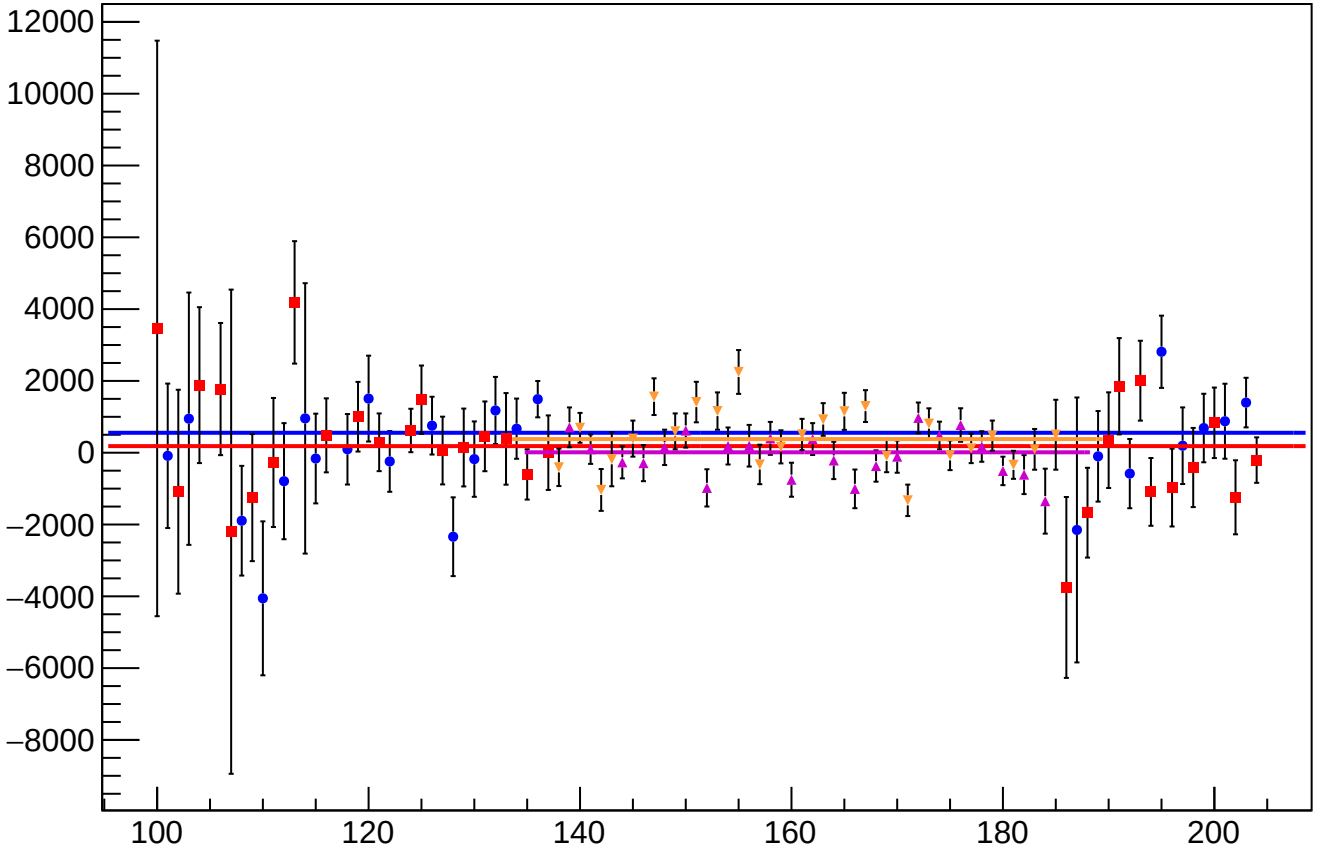
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1836.386+/-0.229 χ^2/NDF: 697294.8/48

All: 1840.752+/-0.161 χ^2/NDF: 1473189.1/10

- sign 1845.036+/-0.226 χ^2/NDF: 775171.4/52

asym_at1_dd_reg_correction_mean vs Slug



Right In: 555.343+/-209.839 χ^2/NDF: 30.4/23

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 183.758+/-197.511 χ^2/NDF: 27.5/29

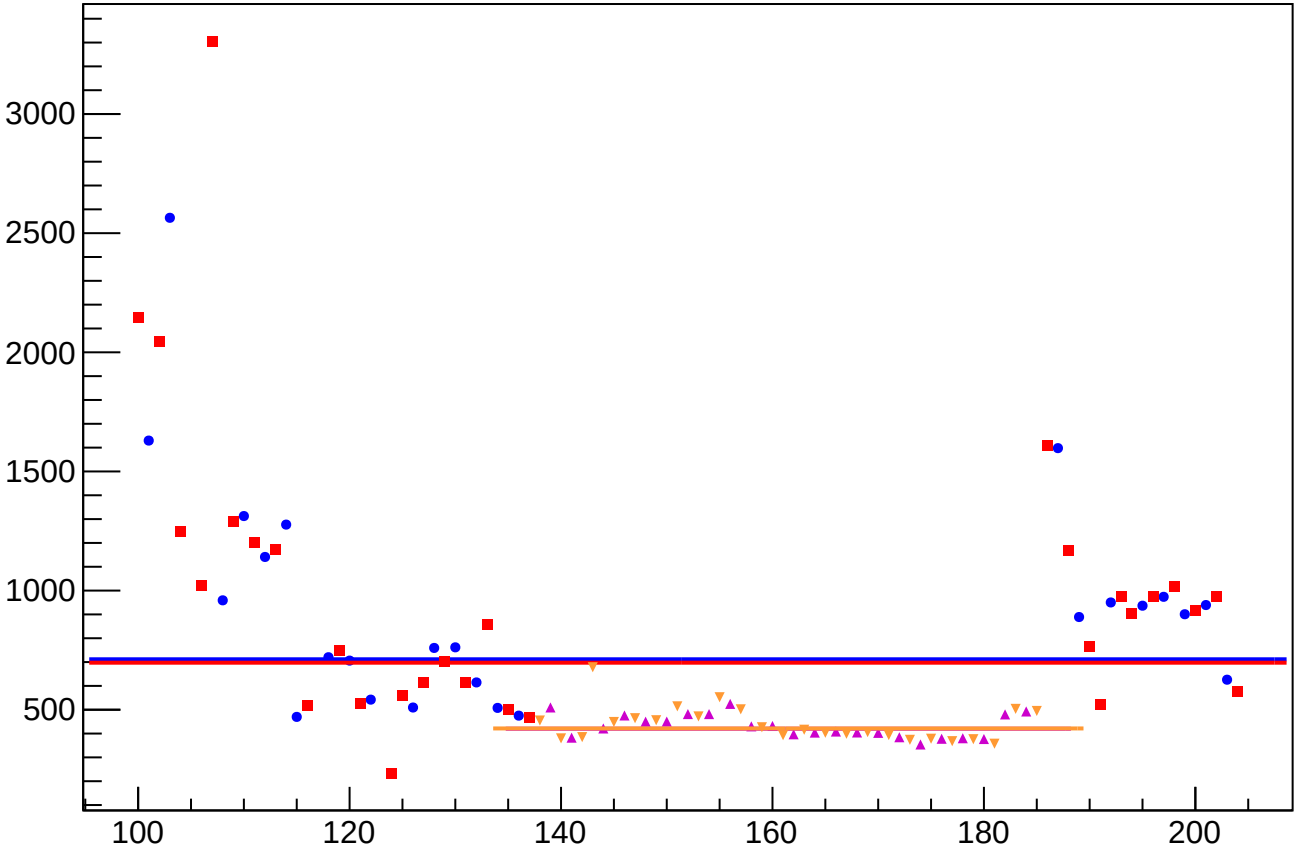
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 410.345+/-88.058 χ^2/NDF: 93.3/48

All: 229.107+/-62.418 χ^2/NDF: 161.1/101

- sign 46.097+/-88.487 χ^2/NDF: 59.3/52

asym_at1_dd_reg_correction_rms vs Slug



Right In: 711.688+/-0.148 χ^2/NDF: 2937091.7/23

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

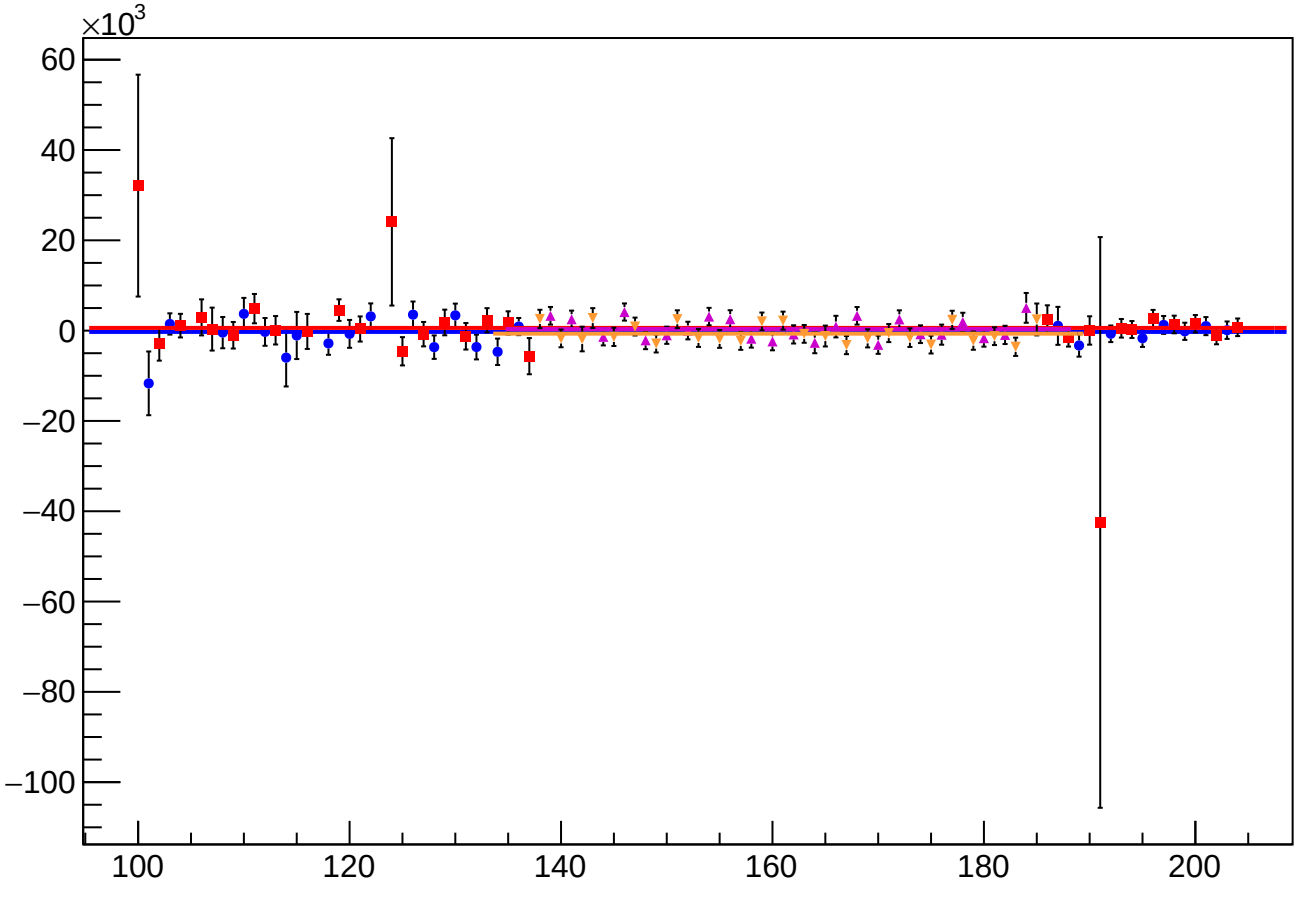
Right Out: 697.399+/-0.140 χ^2/NDF: 4661751.1/29

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 472.534+/-0.062 χ^2/NDF: 6833266.3/48

All: 474.187+/-0.044 χ^2/NDF: 15057775.5/10

- sign 475.856+/-0.063 χ^2/NDF: 8223093.0/52



Right In: -283.391+/-521.018 χ^2/NDF: 20.5/23

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

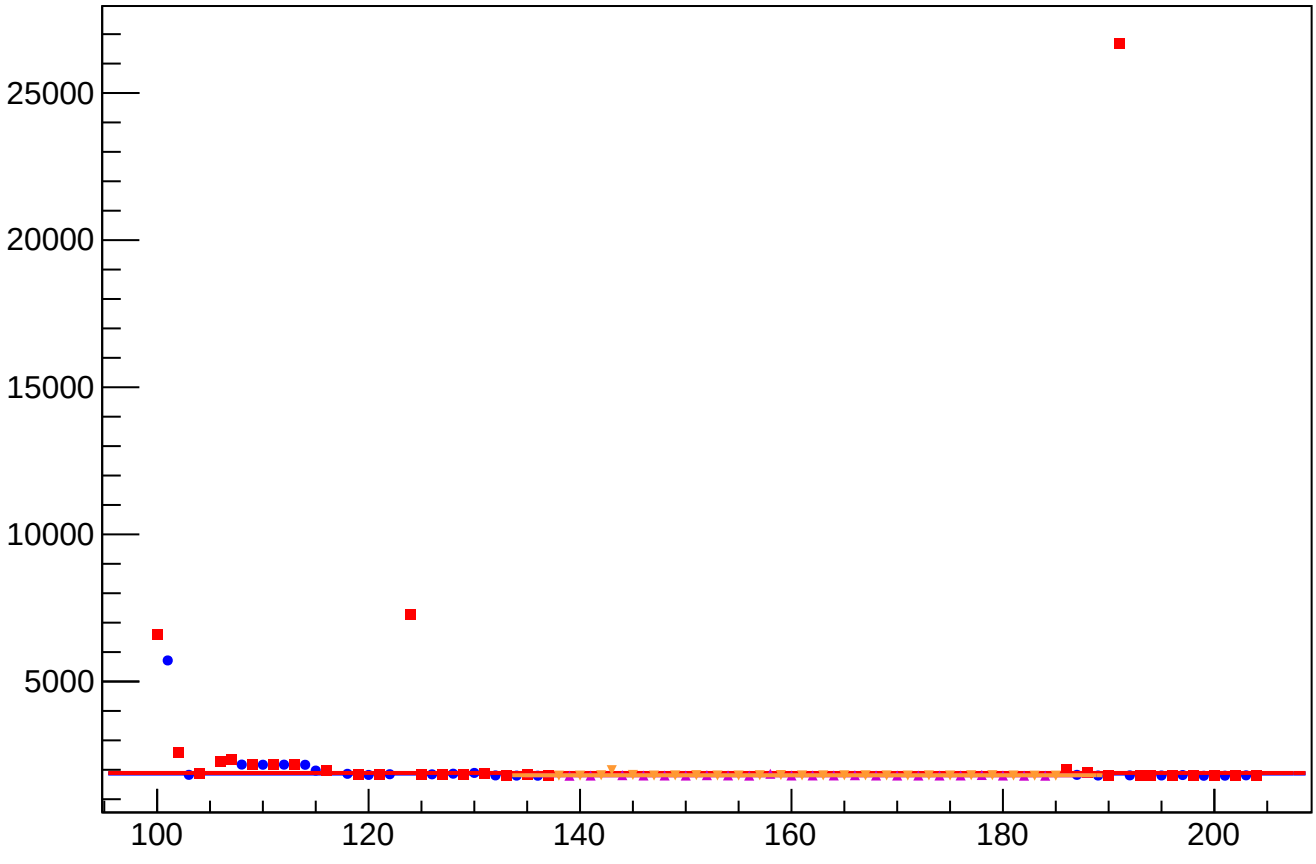
Right Out: 602.460+/-490.771 χ^2/NDF: 20.4/29

Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -521.188+/-323.269 χ^2/NDF: 45.5/48

All: -29.325+/-227.523 χ^2/NDF: 100.7/101

- sign 453.499+/-320.285 χ^2/NDF: 50.6/52



Right In: 1871.456+/-0.368 χ^2/NDF: 669459.5/23

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1892.442+/-0.347 χ^2/NDF: 747780.2/29

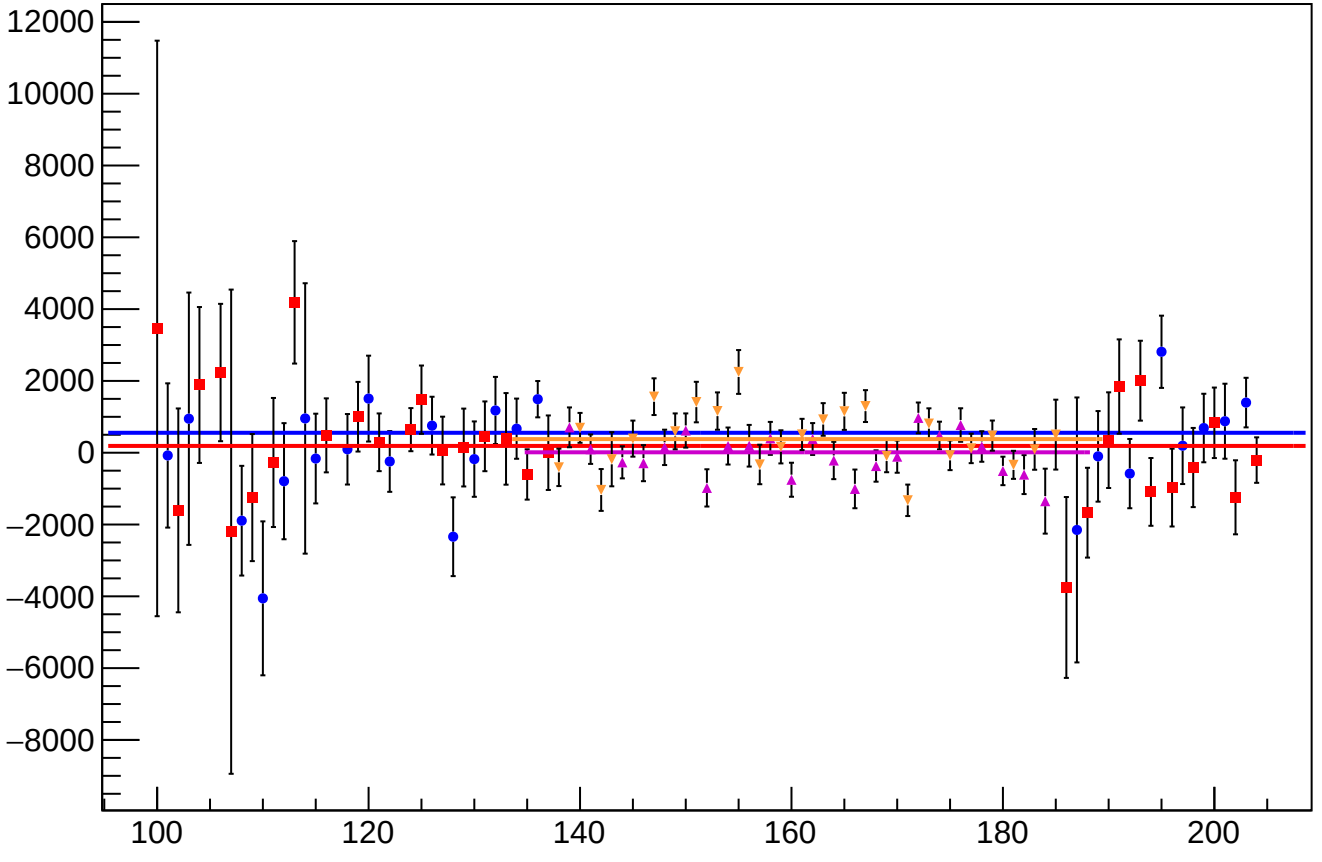
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1836.386+/-0.229 χ^2/NDF: 697294.7/48

All: 1840.922+/-0.161 χ^2/NDF: 1479864.2/10

- sign 1845.375+/-0.226 χ^2/NDF: 781789.1/52

asym_at1_dd_cor_correction_mean vs Slug



Right In: 555.383+/-209.834 χ^2/NDF: 30.4/23

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 189.350+/-197.348 χ^2/NDF: 28.3/29

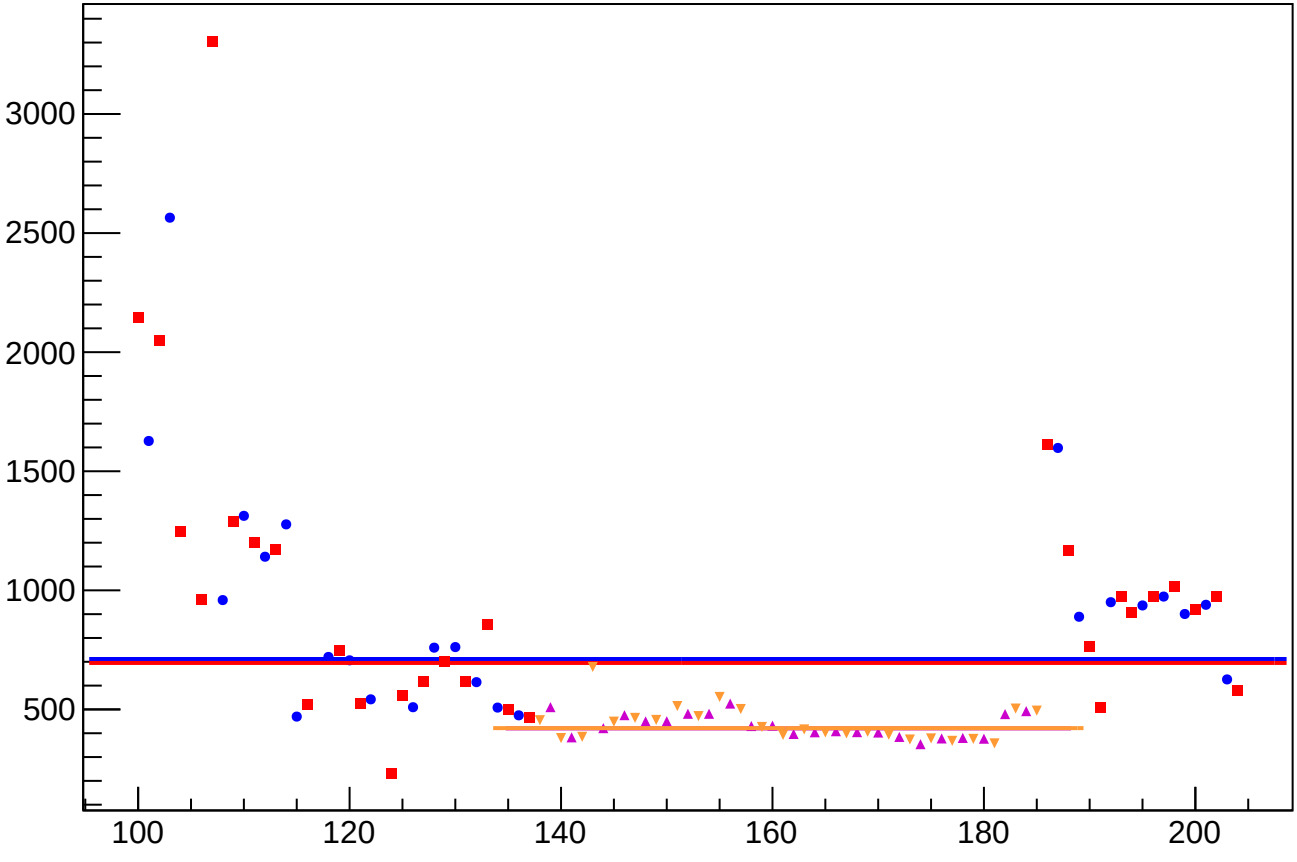
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 410.346+/-88.058 χ^2/NDF: 93.3/48

All: 229.662+/-62.412 χ^2/NDF: 161.8/101

- sign 47.275+/-88.472 χ^2/NDF: 60.0/52

asym_at1_dd_cor_correction_rms vs Slug



Right In: 711.685+/-0.148 χ^2/NDF: 2936267.8/23

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 695.143+/-0.140 χ^2/NDF: 4673169.9/29

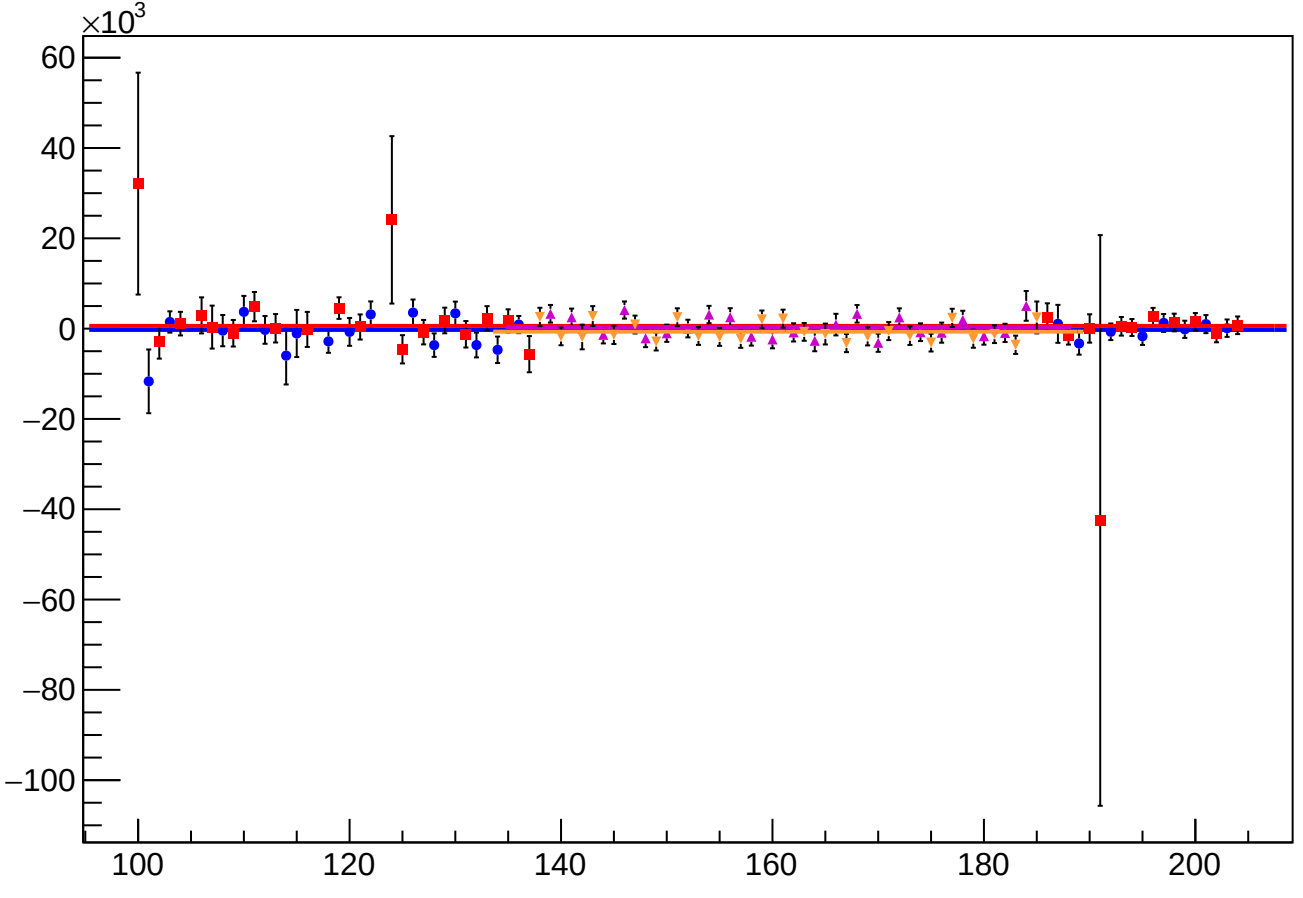
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 472.538+/-0.062 χ^2/NDF: 6832358.8/48

All: 473.998+/-0.044 χ^2/NDF: 15021150.3/10

- sign 475.472+/-0.063 χ^2/NDF: 8187687.1/52

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -283.391+/-521.018 χ^2/NDF: 20.5/23

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 602.460+/-490.771 χ^2/NDF: 20.4/29

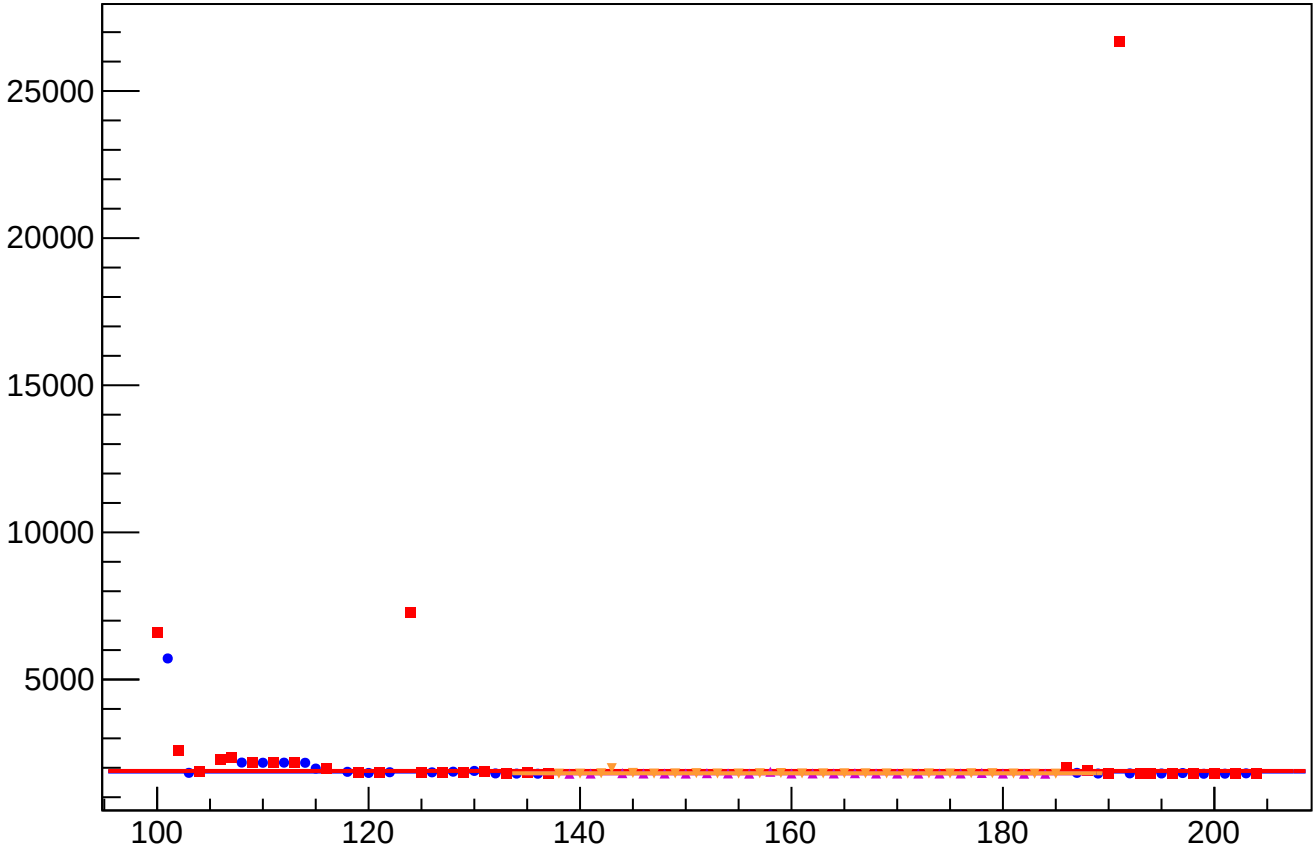
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -521.188+/-323.269 χ^2/NDF: 45.5/48

All: -29.325+/-227.523 χ^2/NDF: 100.7/101

- sign 453.499+/-320.285 χ^2/NDF: 50.6/52

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1871.456+/-0.368 χ^2/NDF: 669459.5/23

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1892.442+/-0.347 χ^2/NDF: 747780.2/29

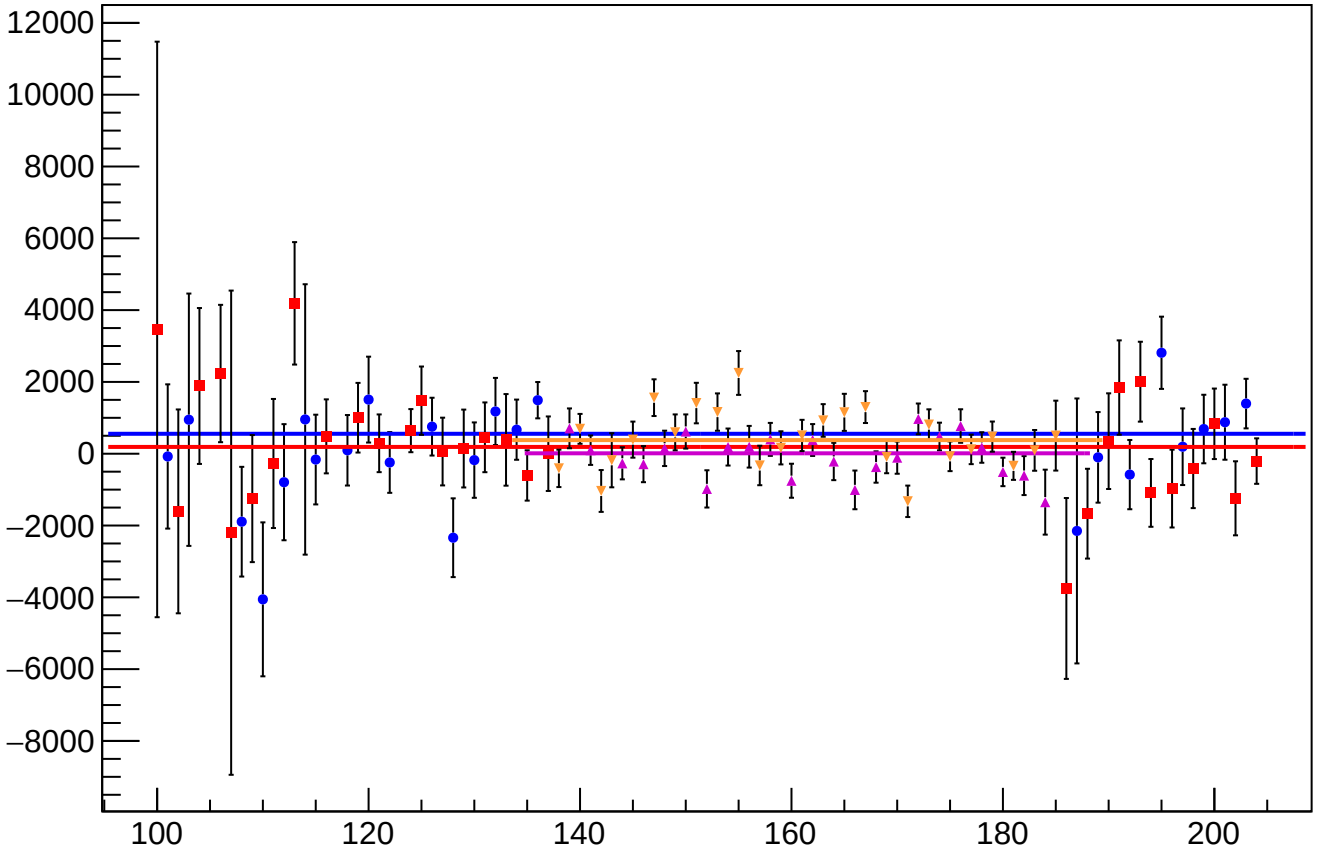
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1836.386+/-0.229 χ^2/NDF: 697294.7/48

All: 1840.922+/-0.161 χ^2/NDF: 1479864.2/10

- sign 1845.375+/-0.226 χ^2/NDF: 781789.1/52

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 555.383+/-209.834 χ^2/NDF: 30.4/23

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

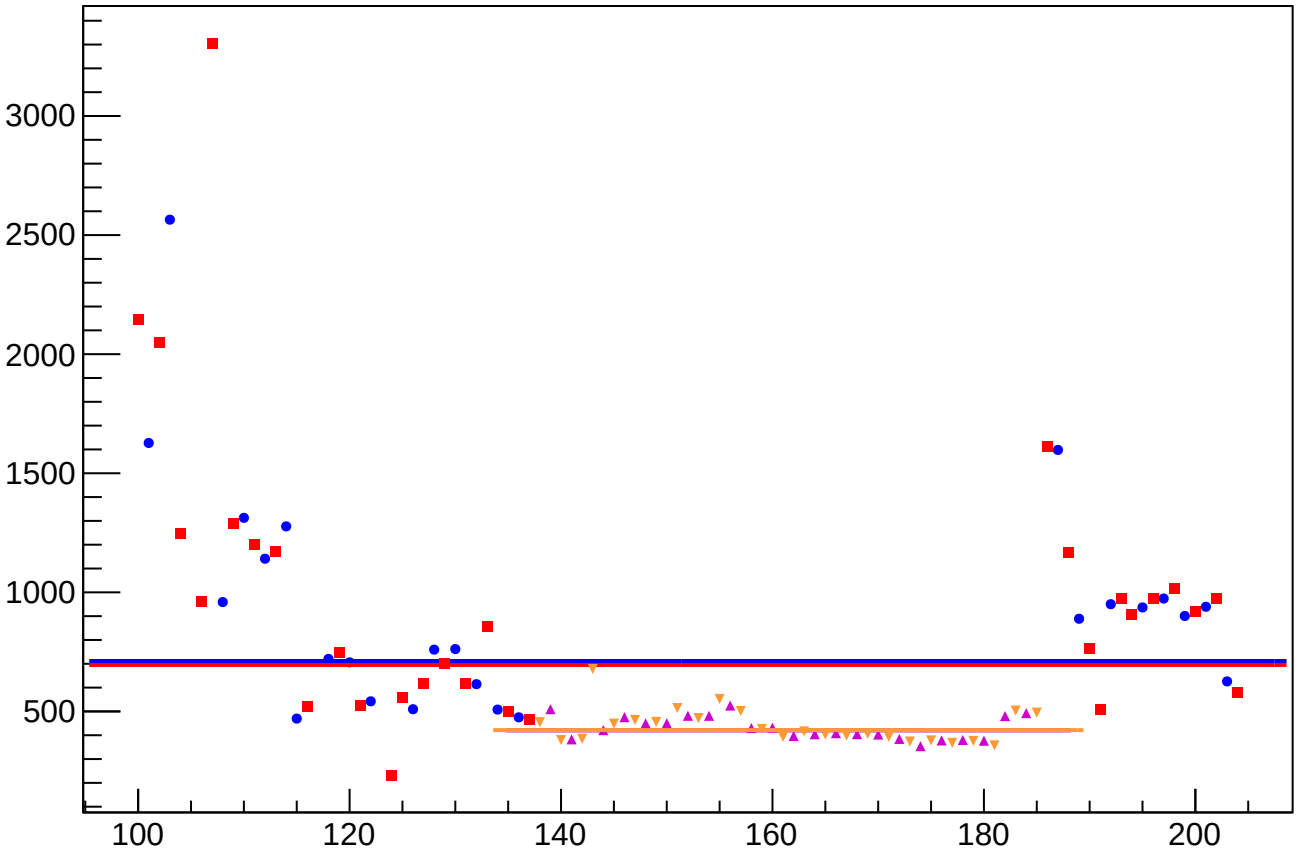
Right Out: 189.350+/-197.348 χ^2/NDF: 28.3/29

Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 410.346+/-88.058 χ^2/NDF: 93.3/48

All: 229.662+/-62.412 χ^2/NDF: 161.8/101

- sign 47.275+/-88.472 χ^2/NDF: 60.0/52



Right In: 711.685+/-0.148 χ^2/NDF: 2936267.8/23

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 695.143+/-0.140 χ^2/NDF: 4673169.9/29

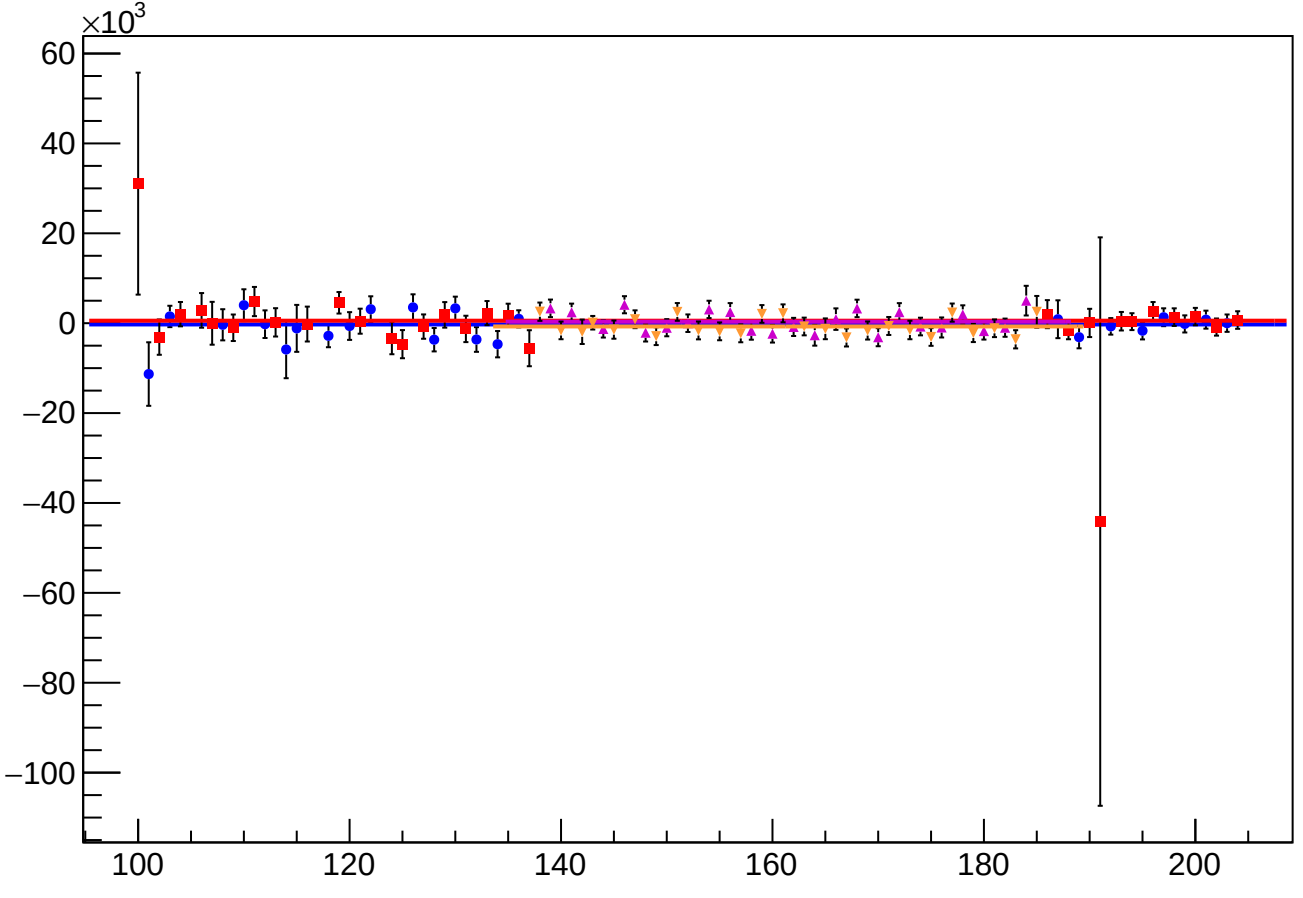
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 472.538+/-0.062 χ^2/NDF: 6832358.8/48

All: 473.998+/-0.044 χ^2/NDF: 15021150.3/10

- sign 475.472+/-0.063 χ^2/NDF: 8187687.1/52

dit_asym_at1_dd_mean vs Slug



Right In: -280.965+/-521.603 χ^2/NDF: 20.0/23

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 554.874+/-487.626 χ^2/NDF: 19.7/29

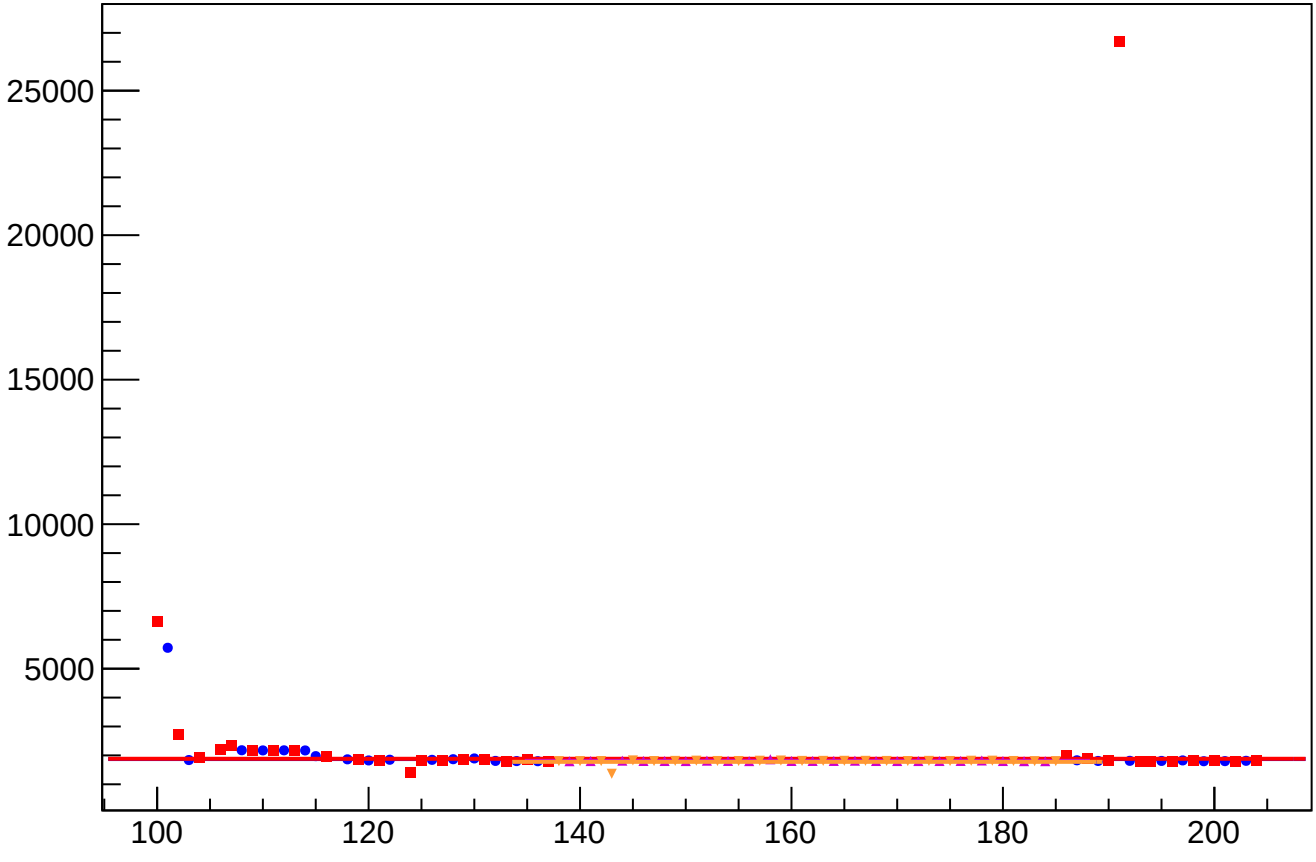
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -557.993+/-319.606 χ^2/NDF: 42.7/48

All: -62.320+/-225.947 χ^2/NDF: 97.0/101

- sign 432.927+/-319.468 χ^2/NDF: 49.5/52

dit_asym_at1_dd_rms vs Slug



Right In: 1873.415+/-0.369 χ^2/NDF: 669151.7/23

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1882.691+/-0.345 χ^2/NDF: 626198.2/29

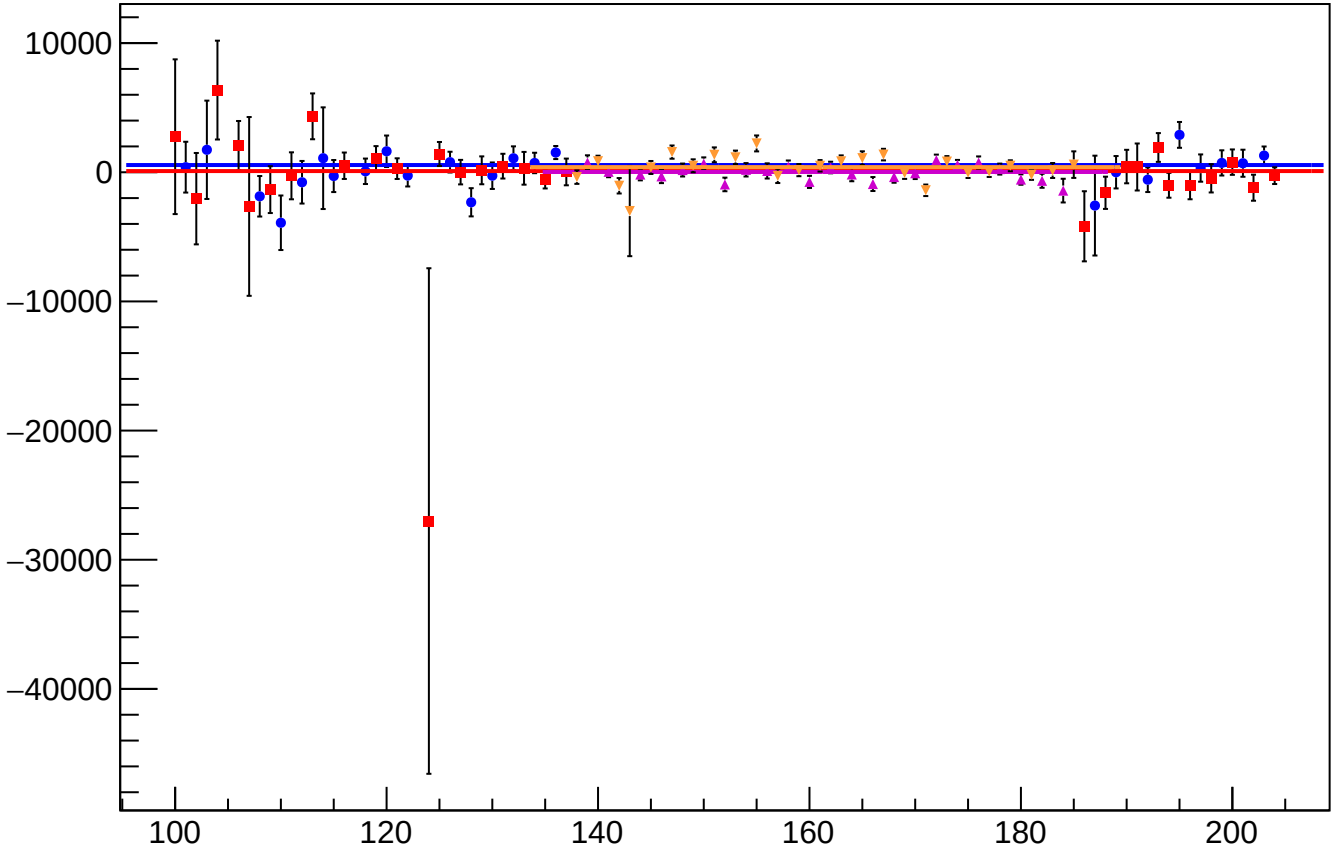
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.024+/-0.226 χ^2/NDF: 873371.8/48

All: 1827.428+/-0.160 χ^2/NDF: 1534272.6/10

- sign 1841.819+/-0.226 χ^2/NDF: 652780.4/52

asym_at1_dd_dit_correction_mean vs Slug



Right In: 559.280+/-209.218 χ^2/NDF: 30.7/23

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 91.979+/-211.112 χ^2/NDF: 29.1/29

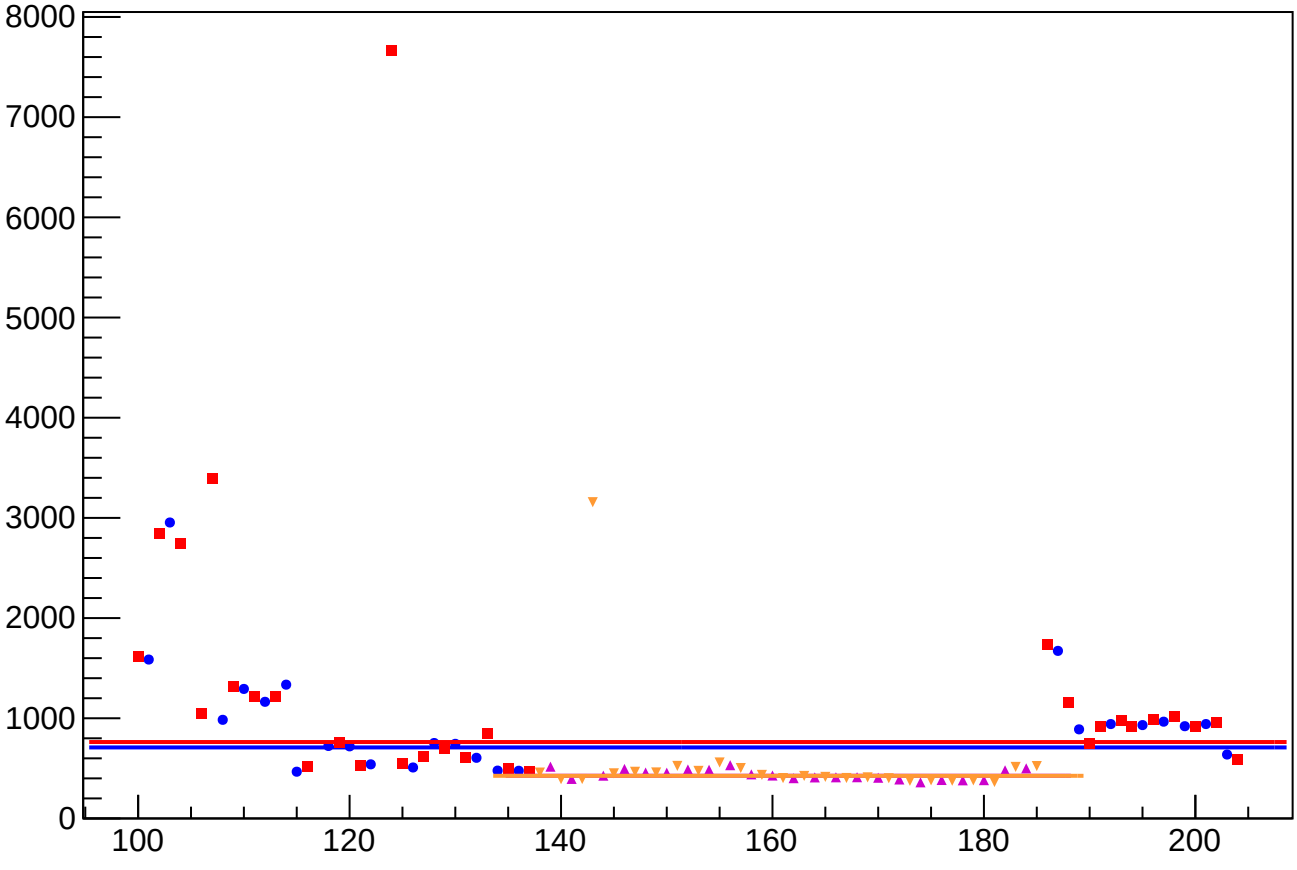
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 427.805+/-89.609 χ^2/NDF: 91.6/48

All: 233.215+/-63.700 χ^2/NDF: 161.2/101

- sign 34.433+/-90.569 χ^2/NDF: 60.0/52

asym_at1_dd_dit_correction_rms vs Slug



Right In: 708.915+/-0.148 χ^2/NDF: 3134655.5/23

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 762.835+/-0.149 χ^2/NDF: 4315599.9/29

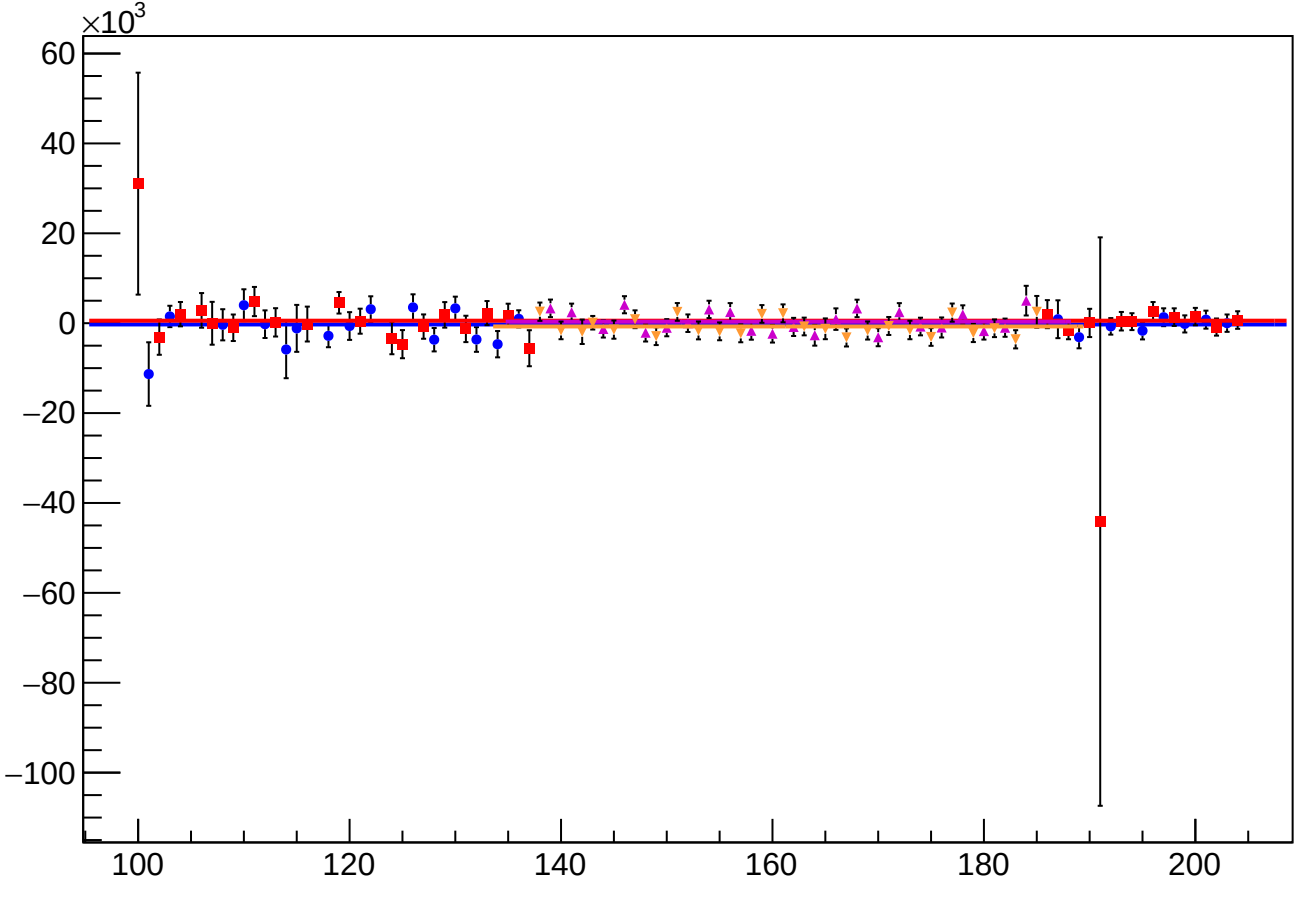
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 477.651+/-0.063 χ^2/NDF: 7845479.4/48

All: 482.826+/-0.045 χ^2/NDF: 16740767.0/10

- sign 488.111+/-0.064 χ^2/NDF: 8881806.6/52

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -280.966+/-521.603 χ^2/NDF: 20.0/23

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 554.873+/-487.626 χ^2/NDF: 19.7/29

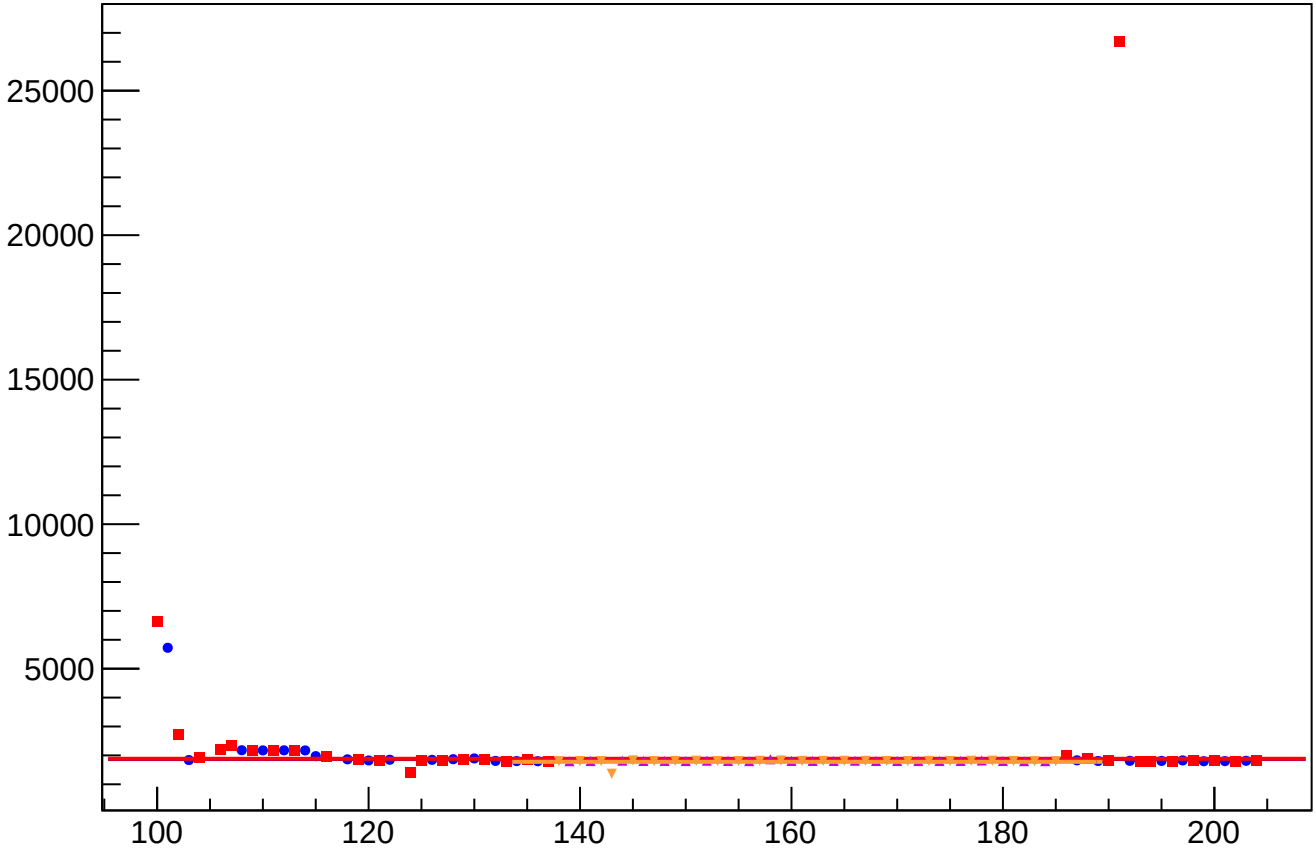
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -557.994+/-319.606 χ^2/NDF: 42.7/48

All: -62.321+/-225.947 χ^2/NDF: 97.0/101

- sign 432.926+/-319.468 χ^2/NDF: 49.5/52

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1873.415+/-0.369 χ^2/NDF: 669151.7/23

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

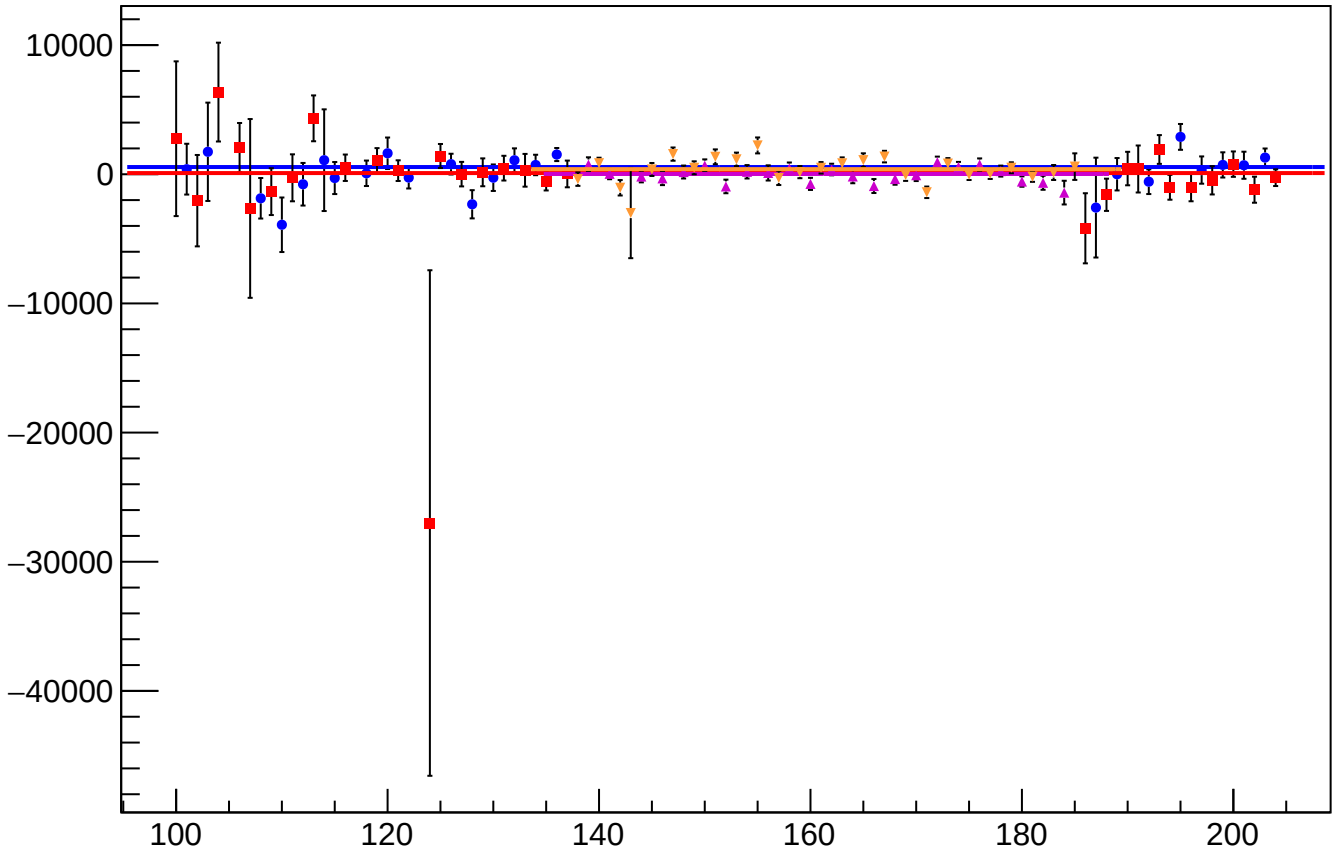
Right Out: 1882.691+/-0.345 χ^2/NDF: 626198.0/29

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.024+/-0.226 χ^2/NDF: 873371.8/48

All: 1827.428+/-0.160 χ^2/NDF: 1534272.4/10

- sign 1841.819+/-0.226 χ^2/NDF: 652780.2/52



Right In: 559.278+/-209.218 χ^2/NDF: 30.7/23

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 91.980+/-211.112 χ^2/NDF: 29.1/29

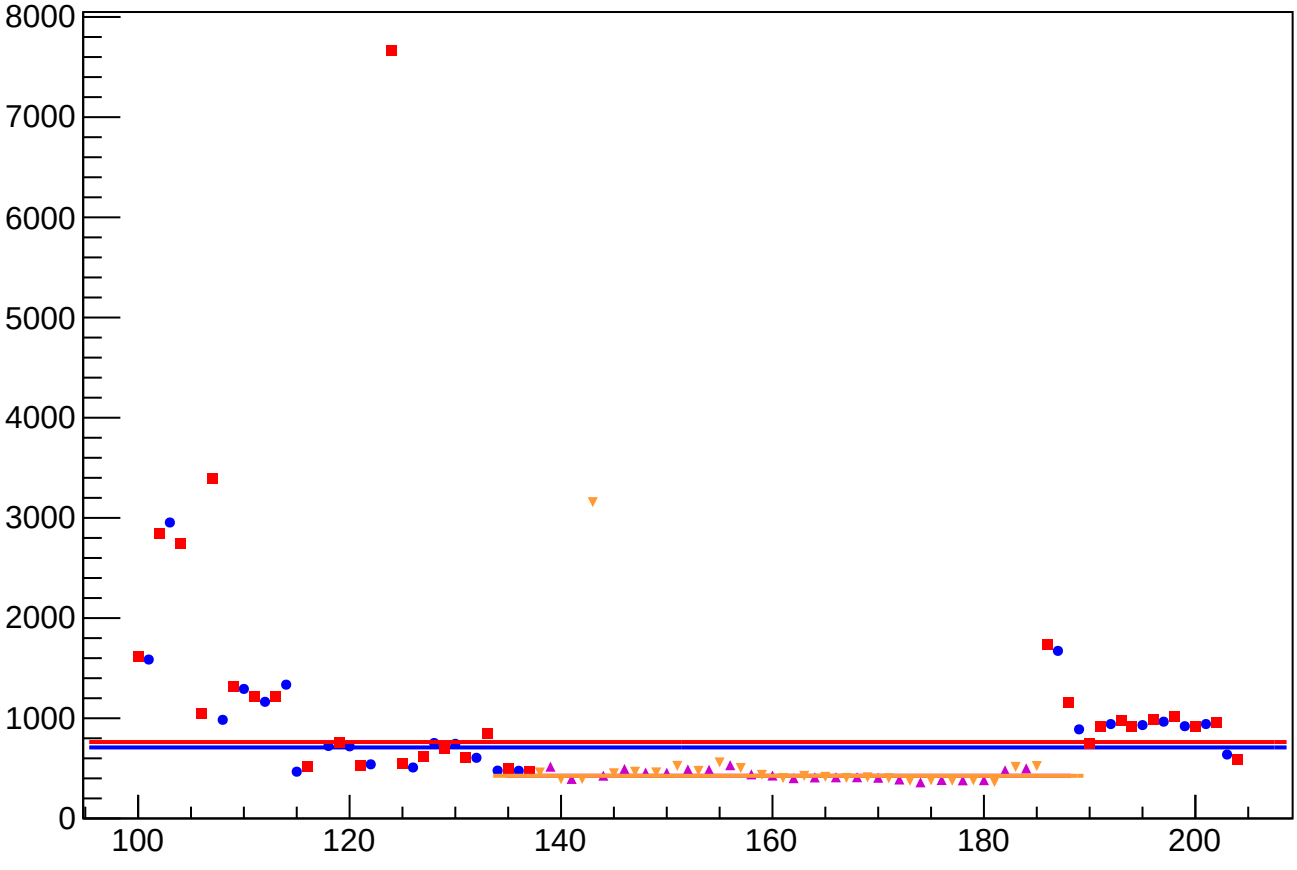
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 427.805+/-89.609 χ^2/NDF: 91.6/48

All: 233.214+/-63.700 χ^2/NDF: 161.2/101

- sign 34.433+/-90.569 χ^2/NDF: 60.0/52

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 708.915+/-0.148 χ^2/NDF: 3134656.3/23

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 762.835+/-0.149 χ^2/NDF: 4315601.7/29

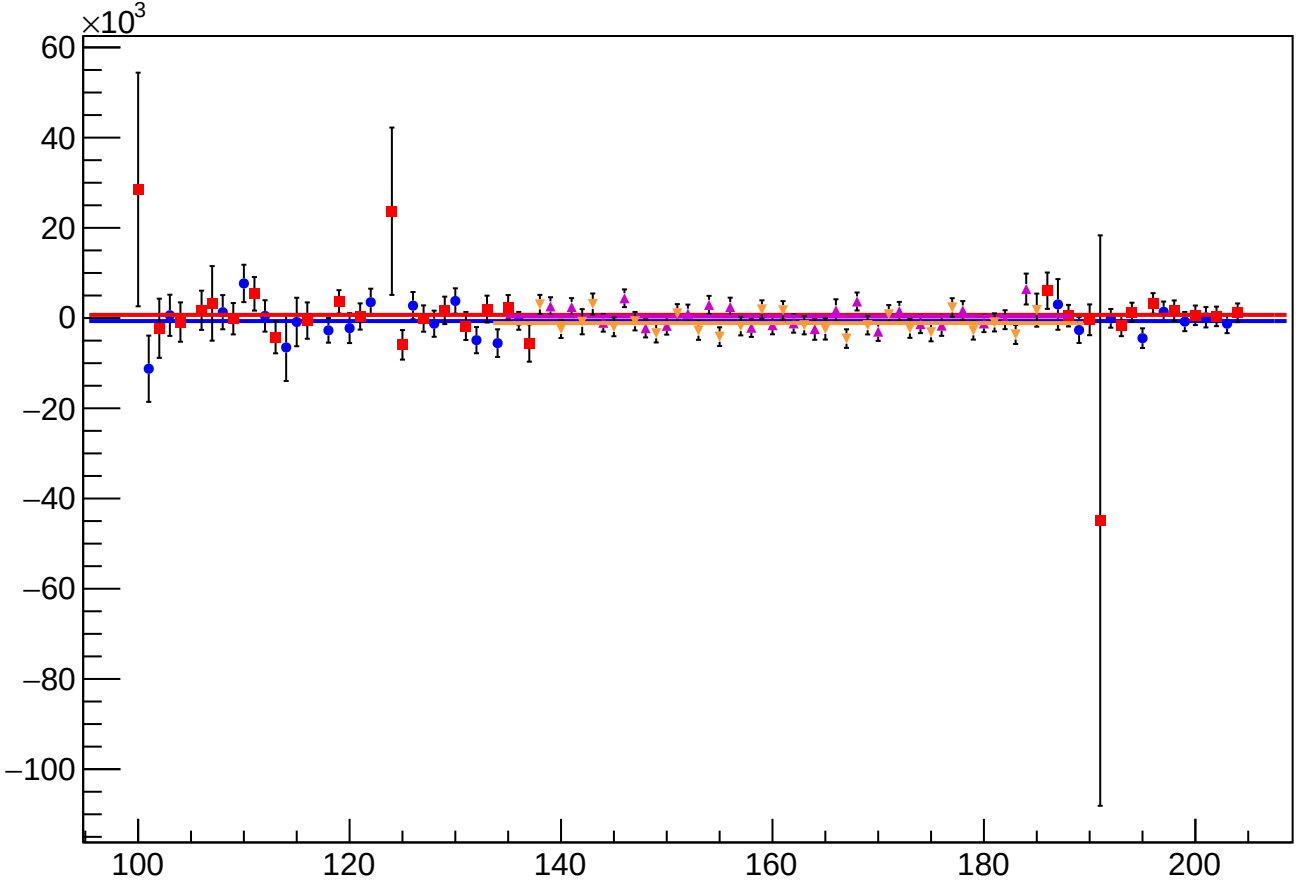
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 477.651+/-0.063 χ^2/NDF: 7845488.7/48

All: 482.825+/-0.045 χ^2/NDF: 16740787.3/10

- sign 488.111+/-0.064 χ^2/NDF: 8881817.4/52

asym_at1_dd_mean vs Slug



Right In: -665.513+/-583.075 χ^2/NDF: 23.5/23

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 704.788+/-556.843 χ^2/NDF: 20.9/29

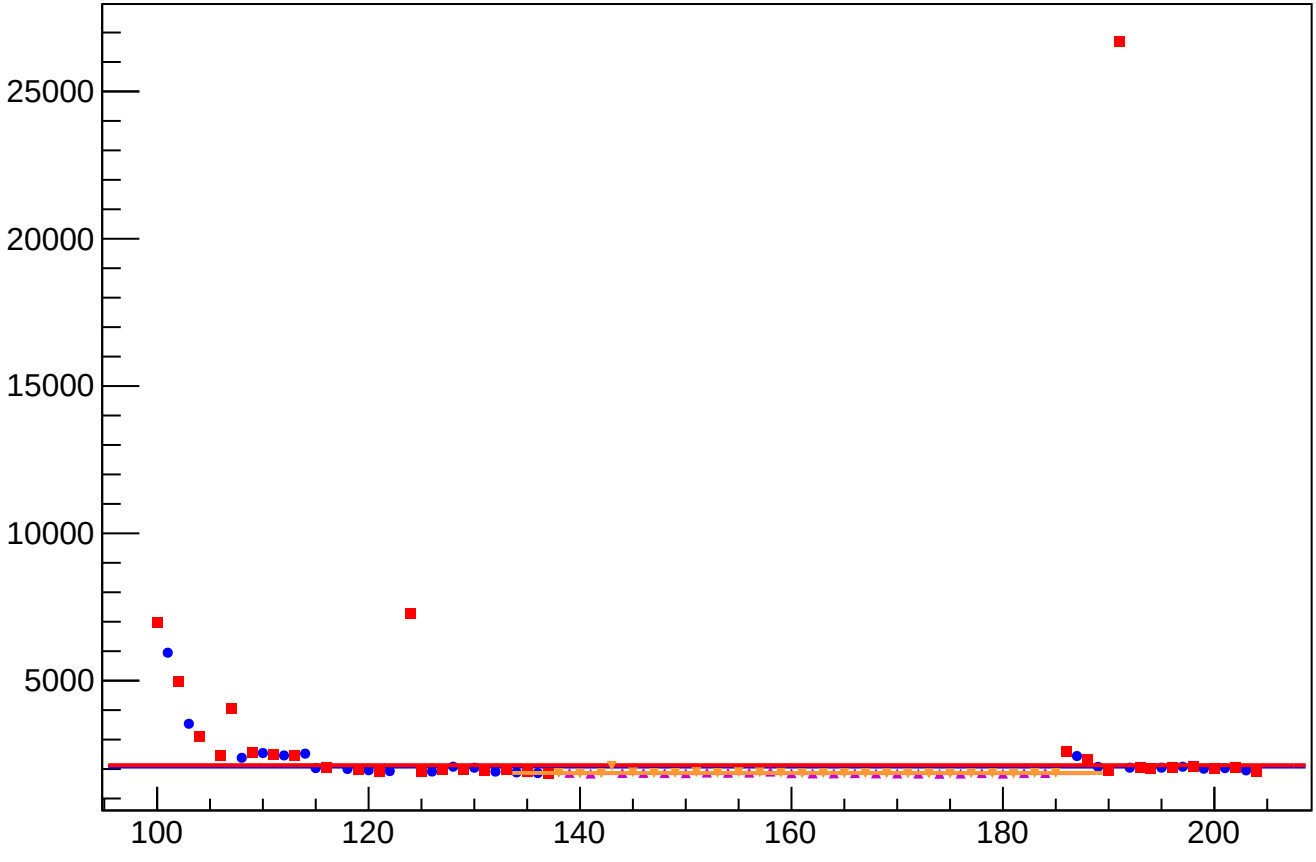
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -953.200+/-343.262 χ^2/NDF: 51.9/48

All: -234.313+/-242.550 χ^2/NDF: 110.6/101

- sign 482.535+/-342.775 χ^2/NDF: 49.9/52

asym_at1_dd_rms vs Slug



Right In: 2084.254+/-0.412 χ^2/NDF: 901240.5/23

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2130.093+/-0.394 χ^2/NDF: 1339364.1/29

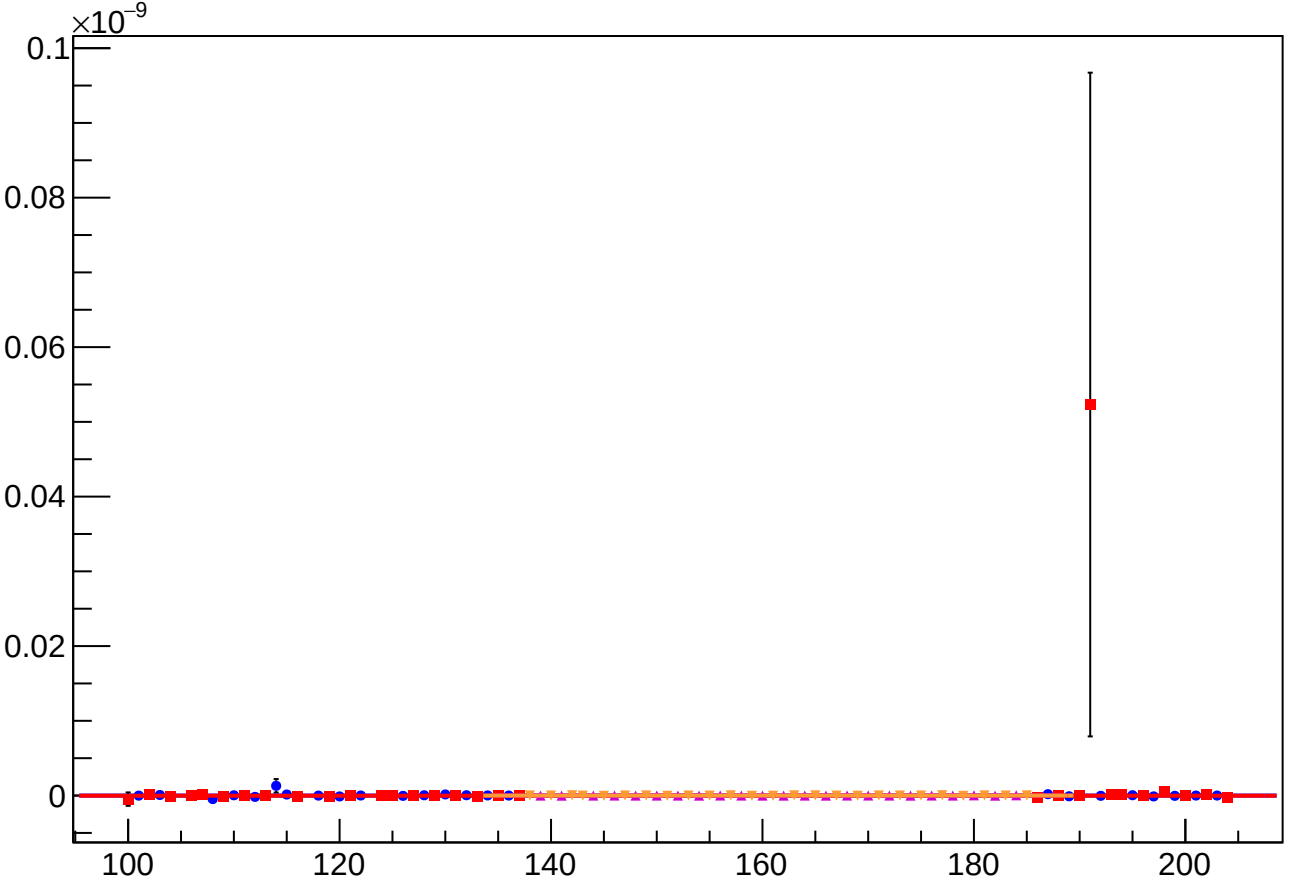
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1943.564+/-0.243 χ^2/NDF: 1102758.0/48

All: 1953.847+/-0.172 χ^2/NDF: 2734572.6/10

- sign 1964.102+/-0.242 χ^2/NDF: 1628229.8/52

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/29

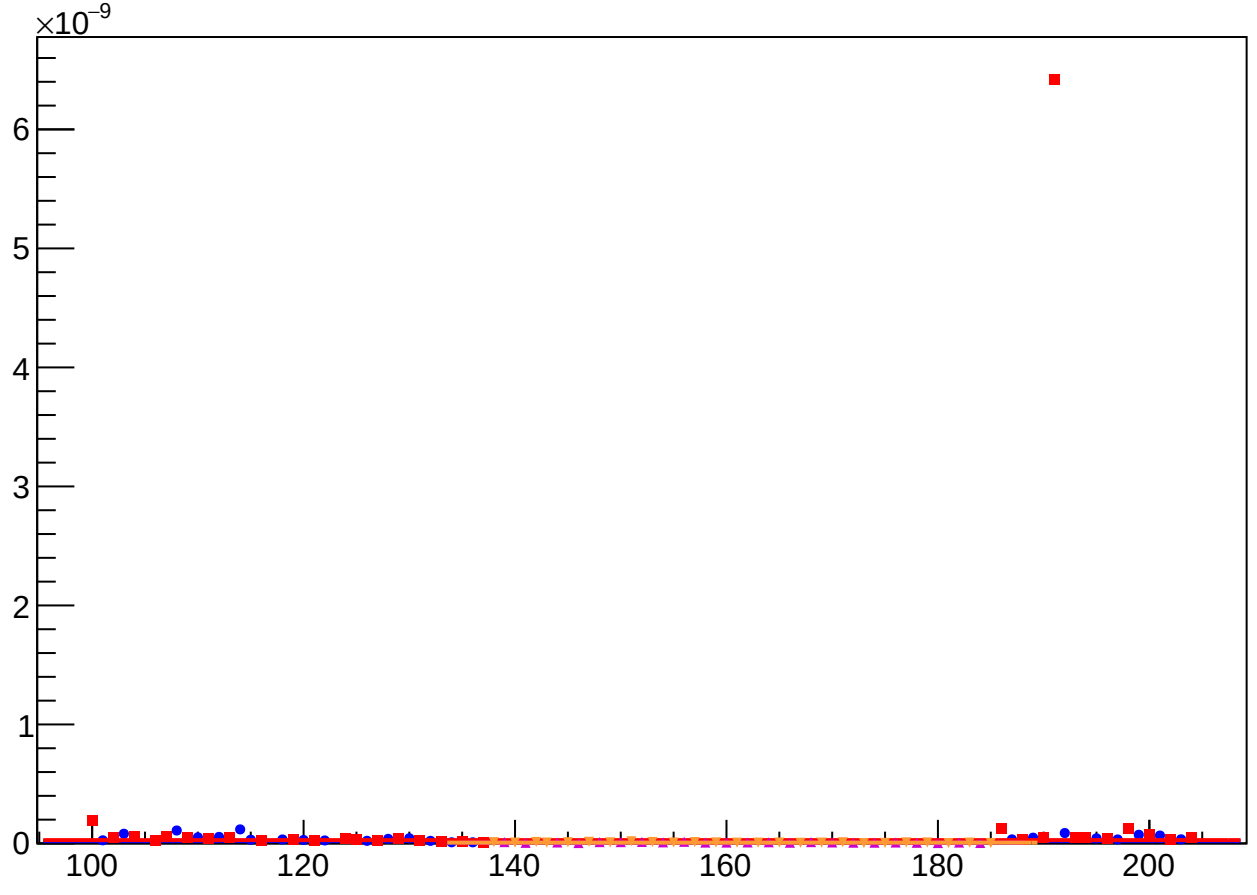
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.3/48

All: 0.000+/-0.000 χ^2/NDF: 117.6/101

- sign 0.000+/-0.000 χ^2/NDF: 52.6/52

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4197638.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3094919.7/29

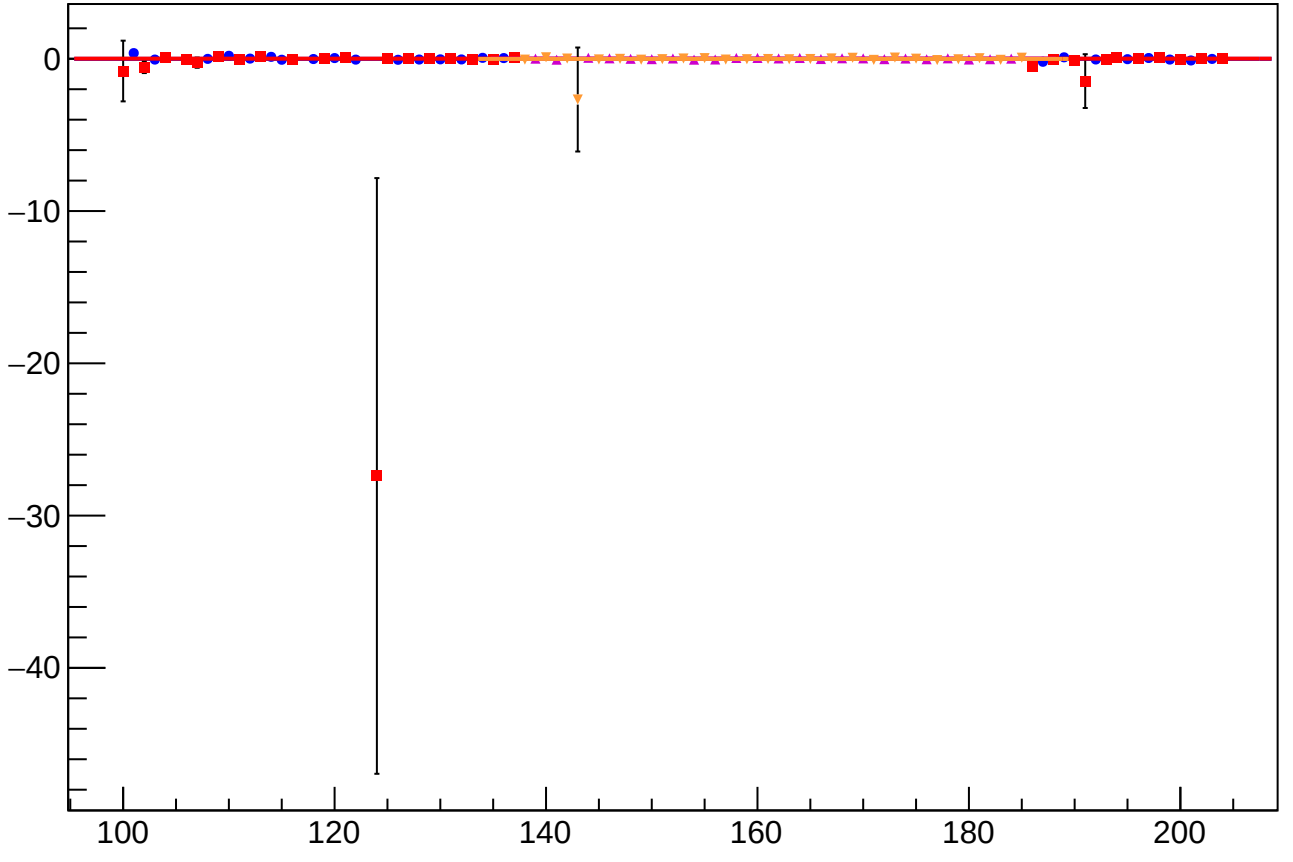
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8399434.9/48

All: 0.000+/-0.000 χ^2/NDF: 17363128.9/101

- sign 0.000+/-0.000 χ^2/NDF: 8959042.6/52

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.012 χ^2/NDF: 27.7/23

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.008+/-0.012 χ^2/NDF: 25.9/29

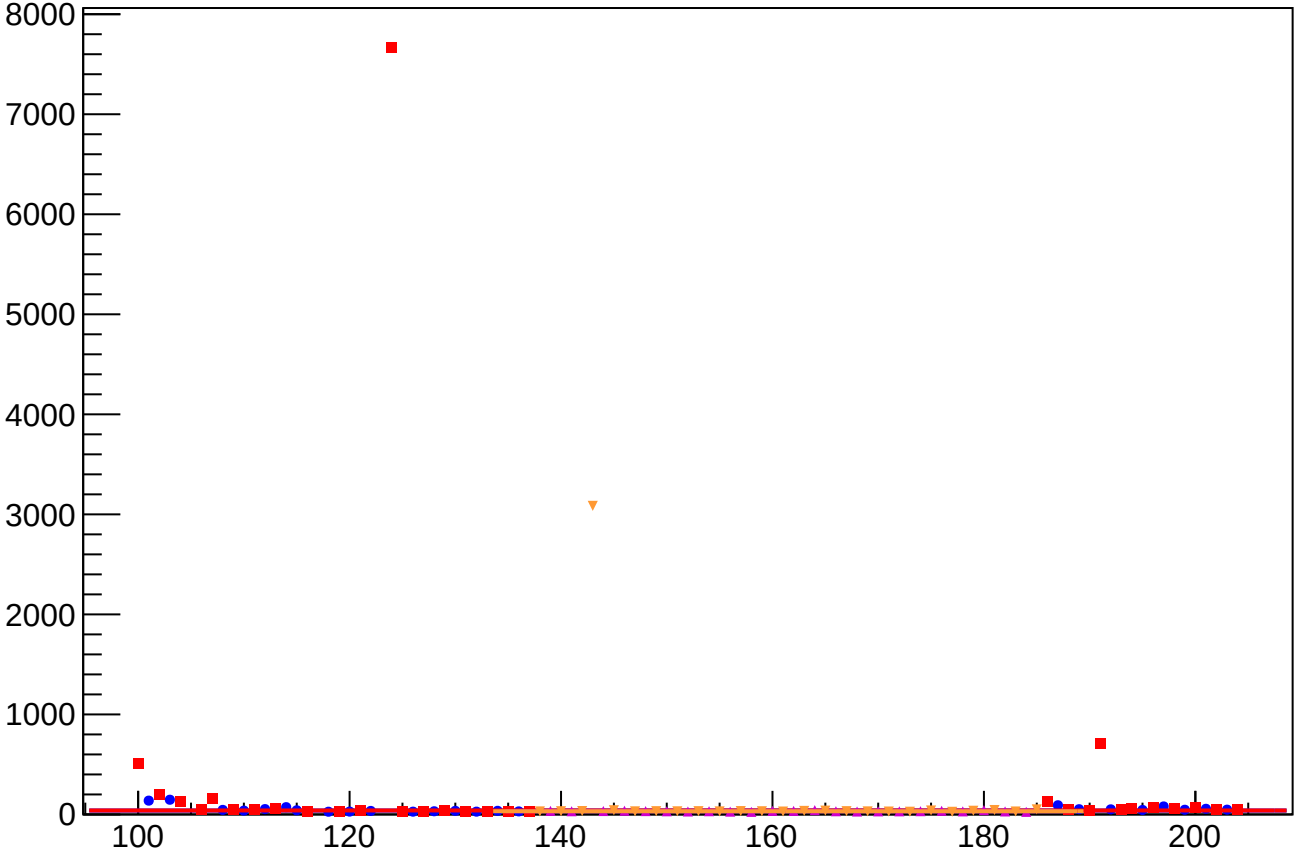
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.3/48

All: -0.002+/-0.005 χ^2/NDF: 116.2/101

- sign 0.005+/-0.007 χ^2/NDF: 46.9/52

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 39.057+/-0.009 χ^2/NDF: 2843211.0/23

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 39.911+/-0.009 χ^2/NDF: 4247648.2/29

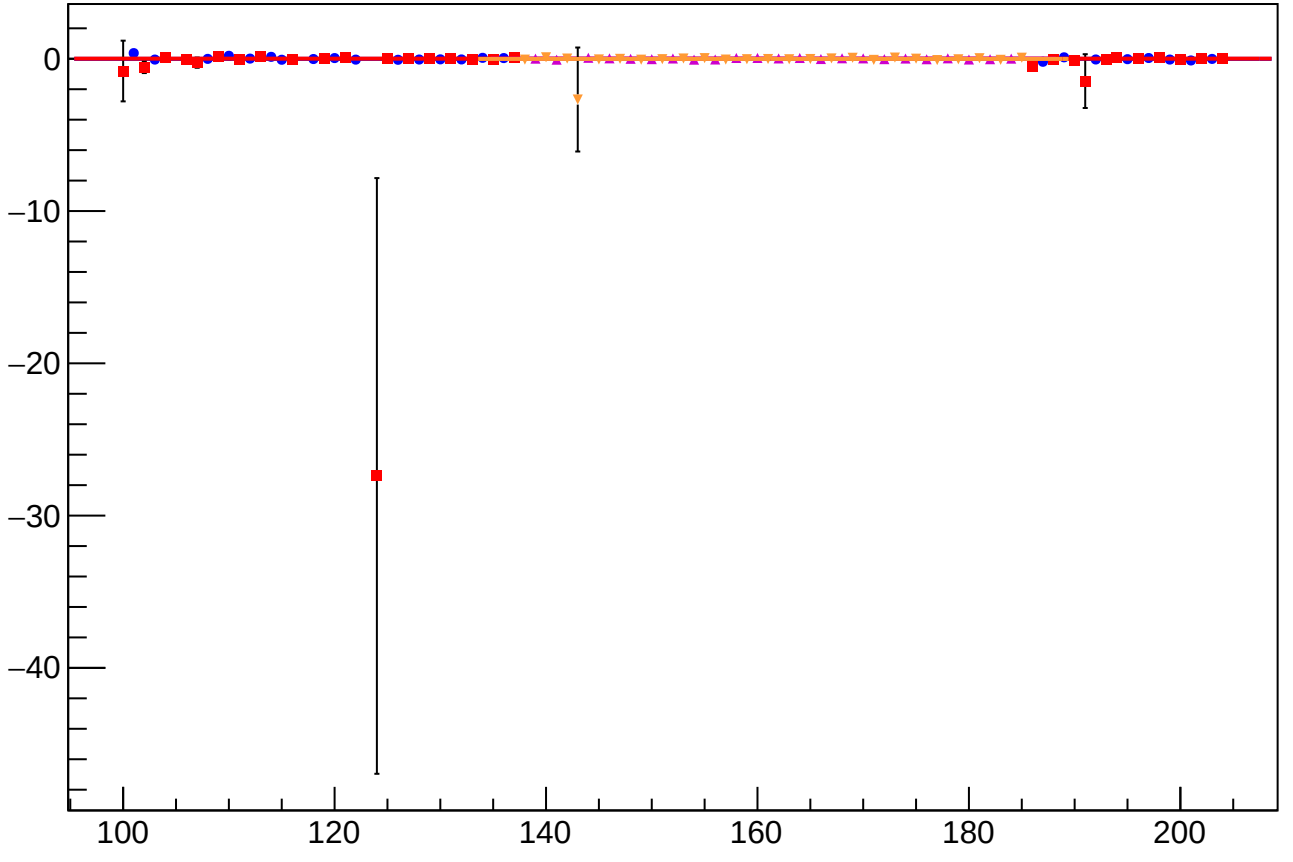
Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 34.332+/-0.005 χ^2/NDF: 5375344.2/48

All: 34.555+/-0.003 χ^2/NDF: 10567199.3/101

- sign 34.778+/-0.005 χ^2/NDF: 5187645.1/52

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.012 χ^2/NDF: 27.7/23

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.008+/-0.012 χ^2/NDF: 25.9/29

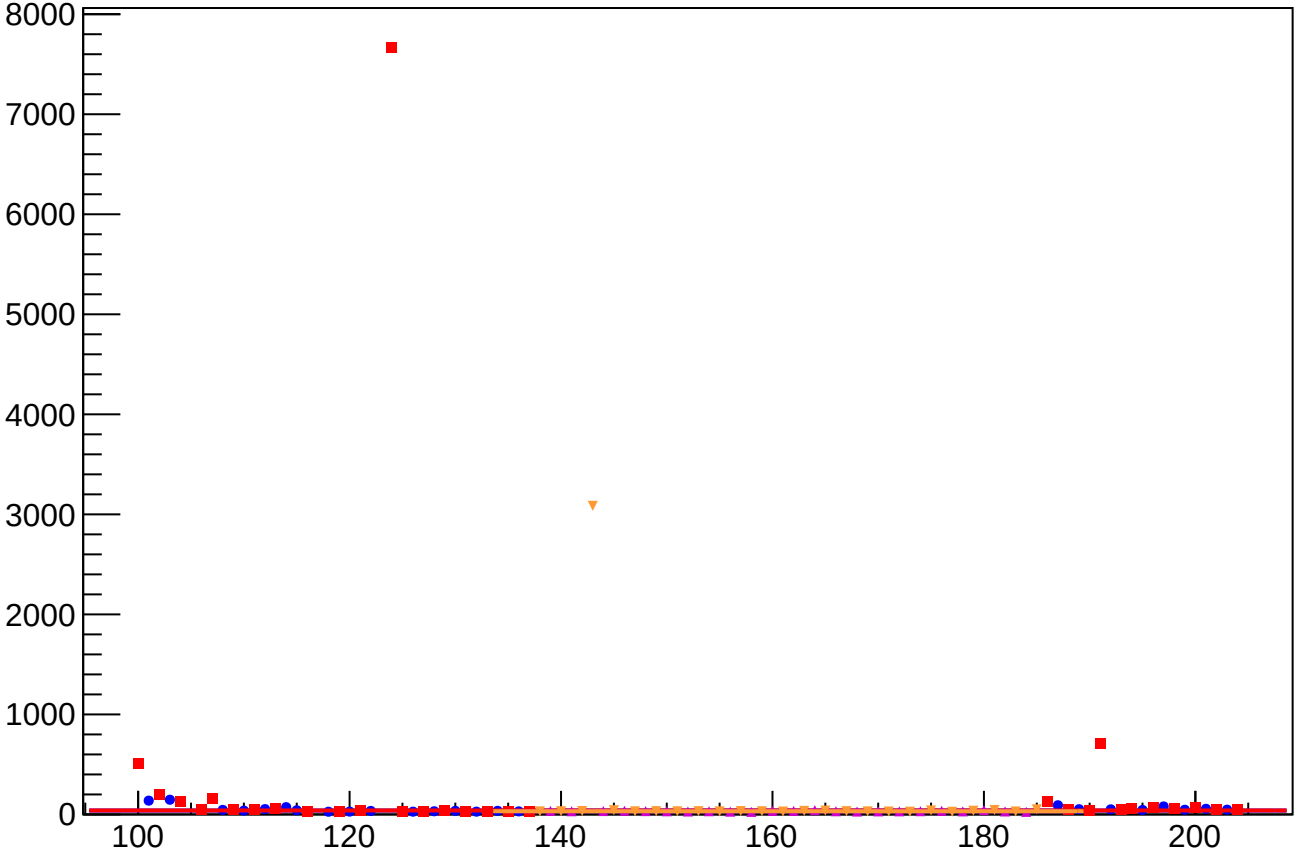
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.3/48

All: -0.002+/-0.005 χ^2/NDF: 116.2/101

- sign 0.005+/-0.007 χ^2/NDF: 46.9/52

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.057+/-0.009 χ^2/NDF: 2843211.0/23

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

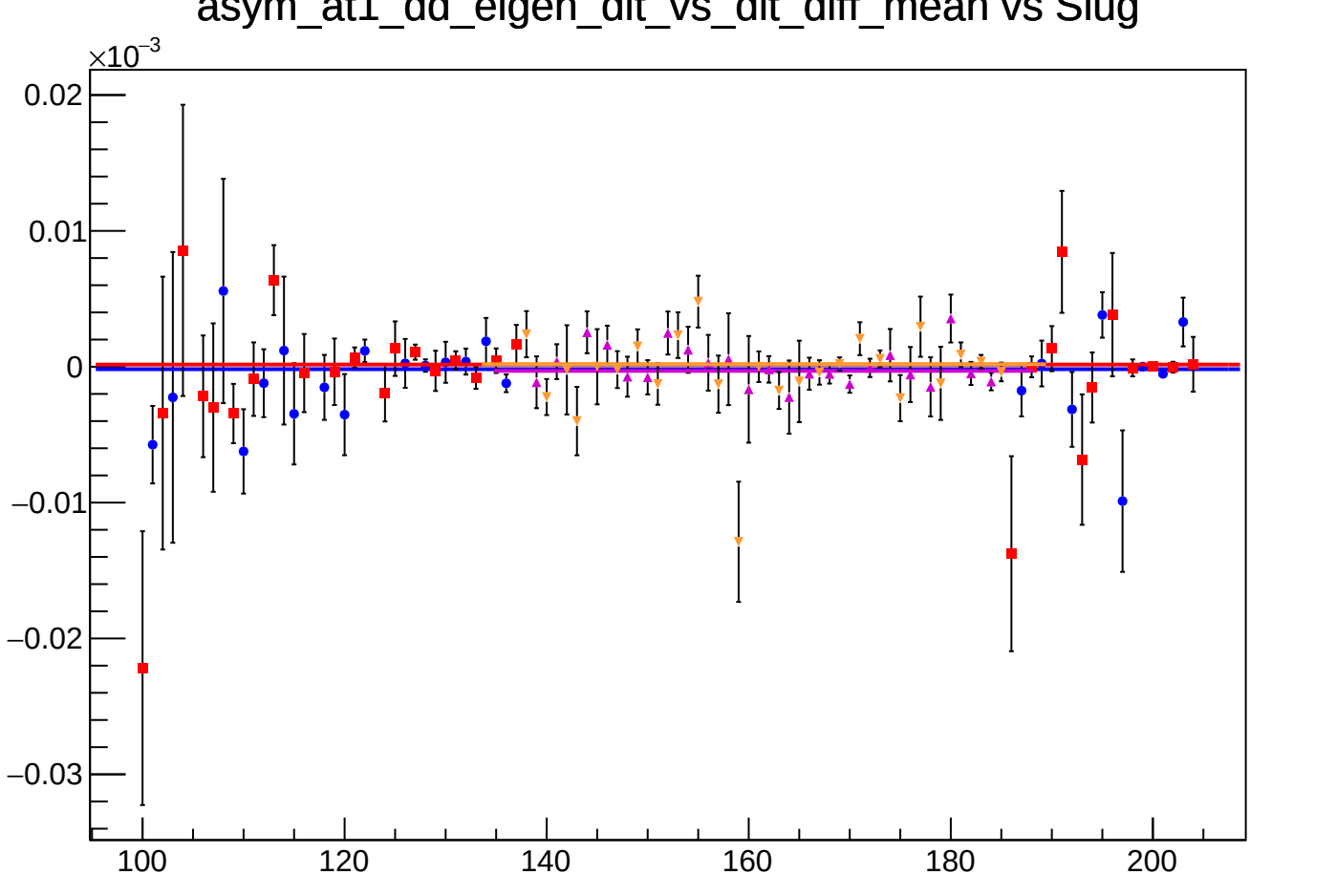
Right Out: 39.911+/-0.009 χ^2/NDF: 4247648.2/29

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

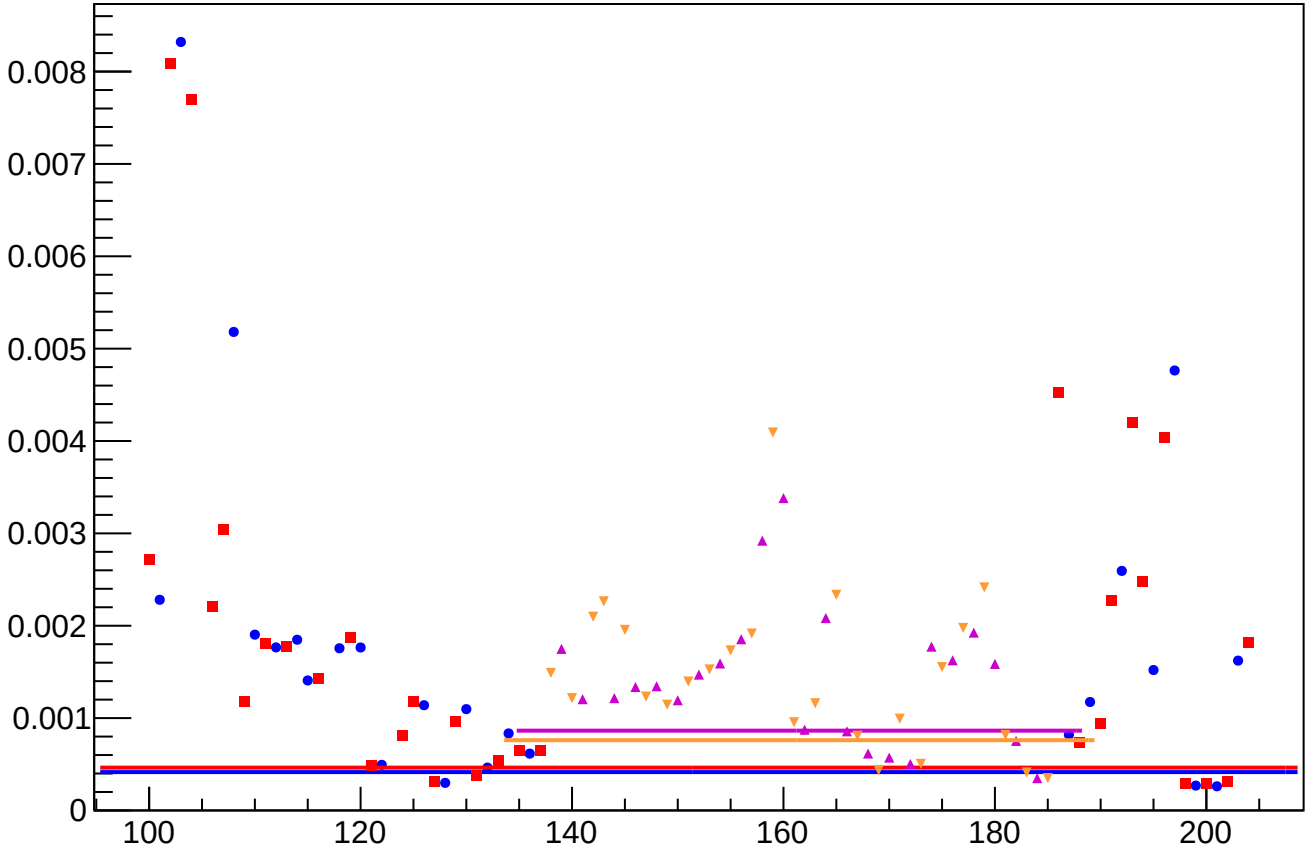
+ sign 34.332+/-0.005 χ^2/NDF: 5375344.2/48

All: 34.555+/-0.003 χ^2/NDF: 10567199.3/101

- sign 34.778+/-0.005 χ^2/NDF: 5187645.1/52


asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 34.8/23
Left Out: 0.000+/-0.000 χ²/NDF:37.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.9/29
Left In: -0.000+/-0.000 χ²/NDF:20.2/22
+ sign -0.000+/-0.000 χ²/NDF: 74.2/48
All: -0.000+/-0.000 χ²/NDF: 130.9/101
- sign 0.000+/-0.000 χ²/NDF: 56.6/52

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 12162389.6/23

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

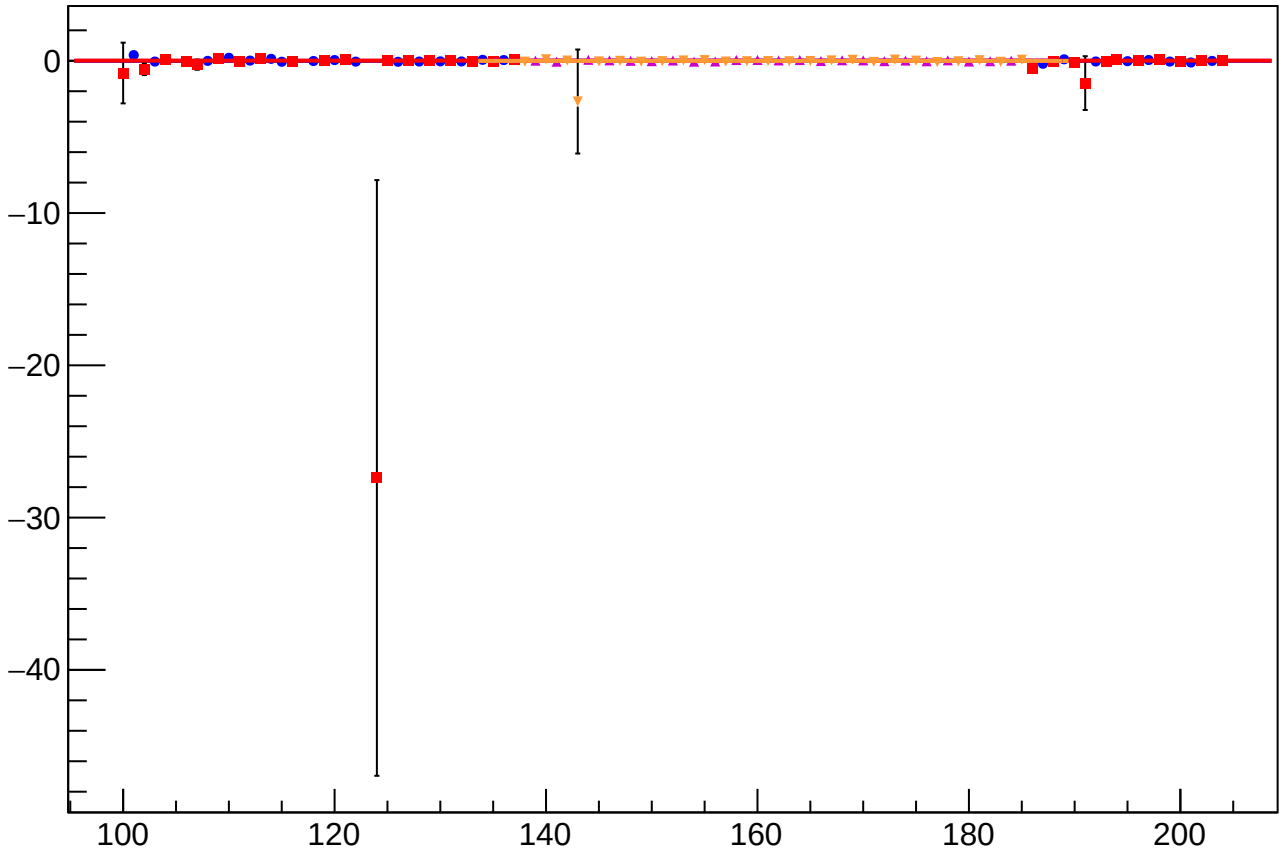
Right Out: 0.000+/-0.000 χ^2/NDF: 12838158.5/29

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 26562570.4/48

All: 0.001+/-0.000 χ^2/NDF: 51708242.8/101

- sign 0.001+/-0.000 χ^2/NDF: 24986369.9/52



Right In: -0.007+/-0.012 χ^2/NDF: 27.7/23

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.008+/-0.012 χ^2/NDF: 25.9/29

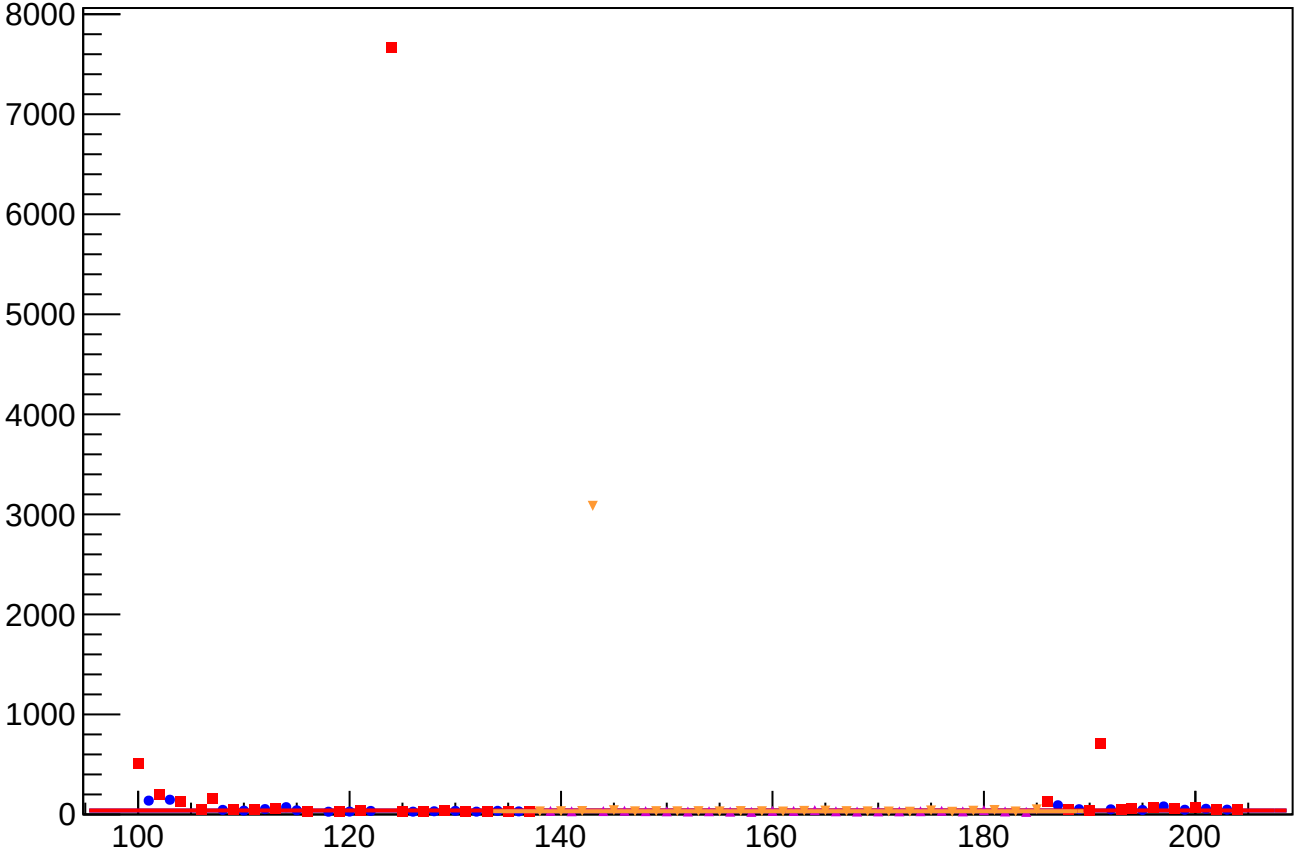
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.3/48

All: -0.002+/-0.005 χ^2/NDF: 116.2/101

- sign 0.005+/-0.007 χ^2/NDF: 46.9/52

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.057+/-0.009 χ^2/NDF: 2843191.0/23

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

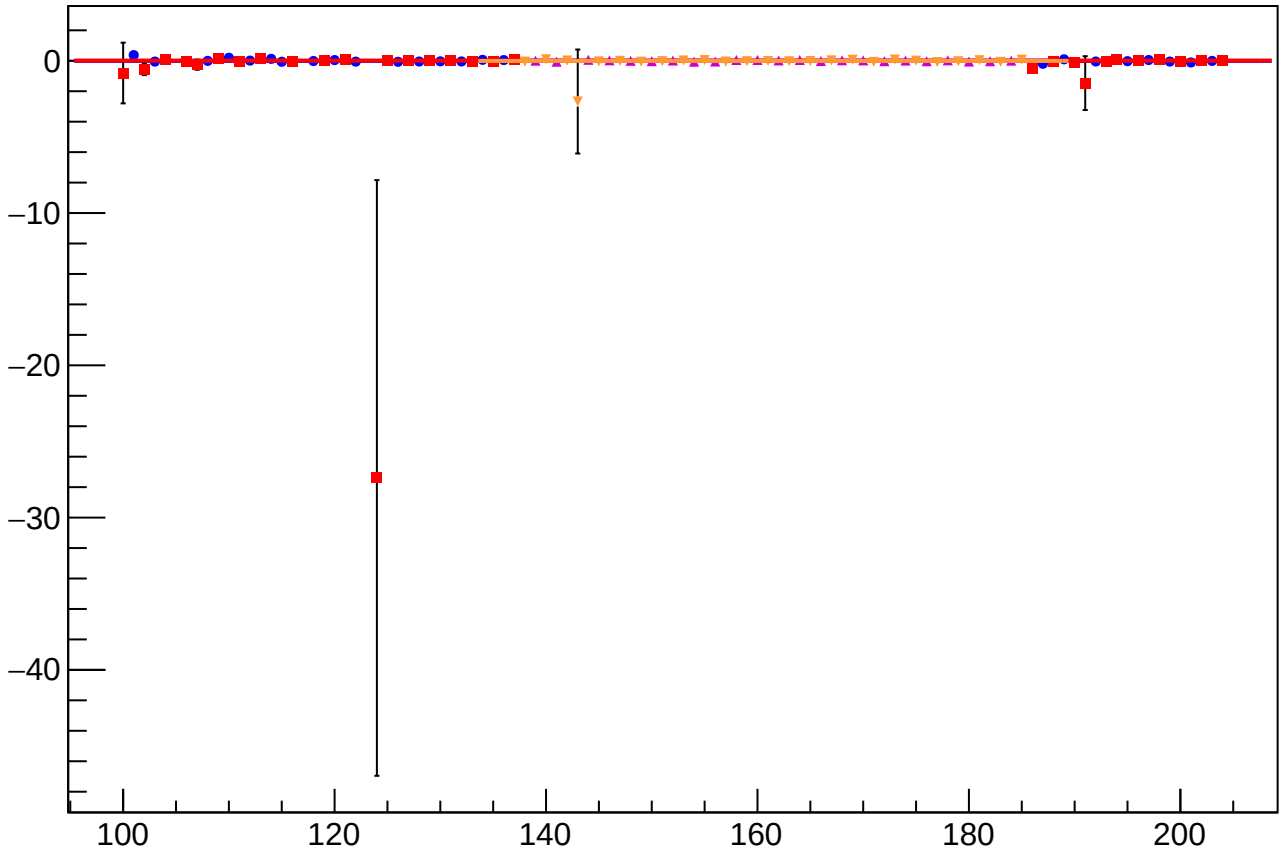
Right Out: 39.911+/-0.009 χ^2/NDF: 4247645.4/29

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 34.332+/-0.005 χ^2/NDF: 5375371.5/48

All: 34.555+/-0.003 χ^2/NDF: 10567099.0/101

- sign 34.778+/-0.005 χ^2/NDF: 5187513.2/52



Right In: -0.007+/-0.012 χ^2/NDF: 27.7/23

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

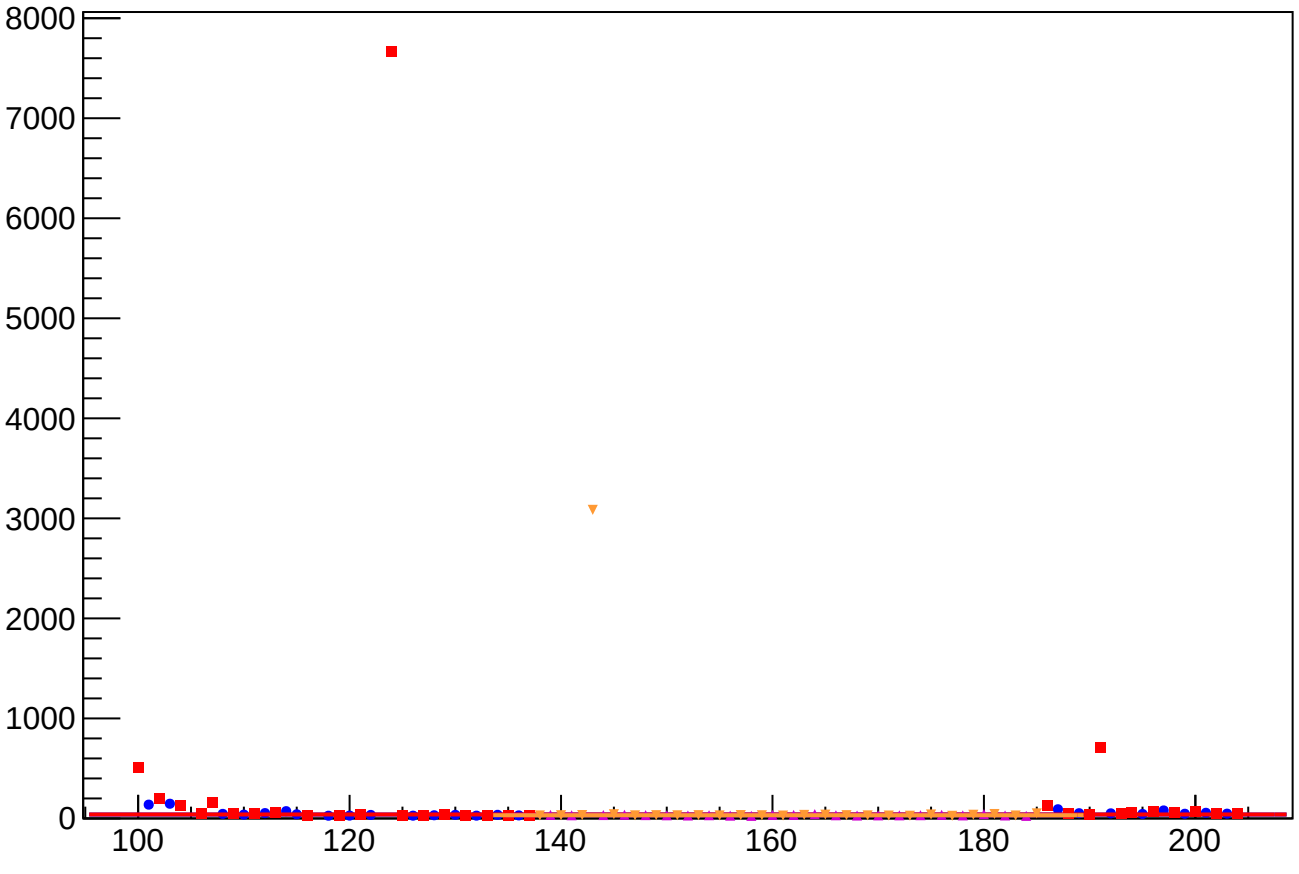
Right Out: 0.008+/-0.012 χ^2/NDF: 25.9/29

Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.3/48

All: -0.002+/-0.005 χ^2/NDF: 116.2/101

- sign 0.005+/-0.007 χ^2/NDF: 46.9/52



Right In: 39.057+/-0.009 χ^2/NDF: 2843191.0/23

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

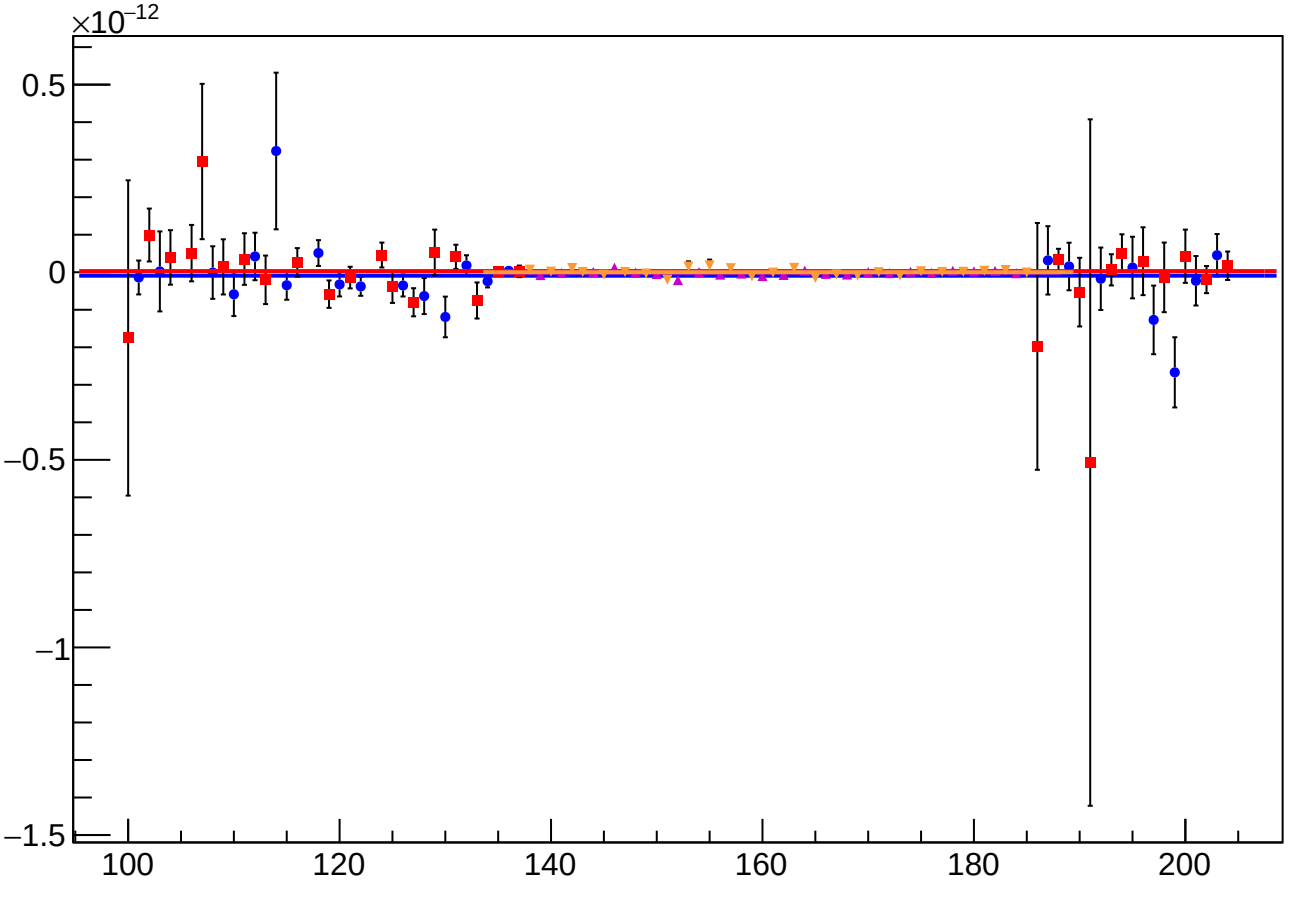
Right Out: 39.911+/-0.009 χ^2/NDF: 4247645.4/29

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 34.332+/-0.005 χ^2/NDF: 5375371.5/48

All: 34.555+/-0.003 χ^2/NDF: 10567099.0/101

- sign 34.778+/-0.005 χ^2/NDF: 5187513.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/29

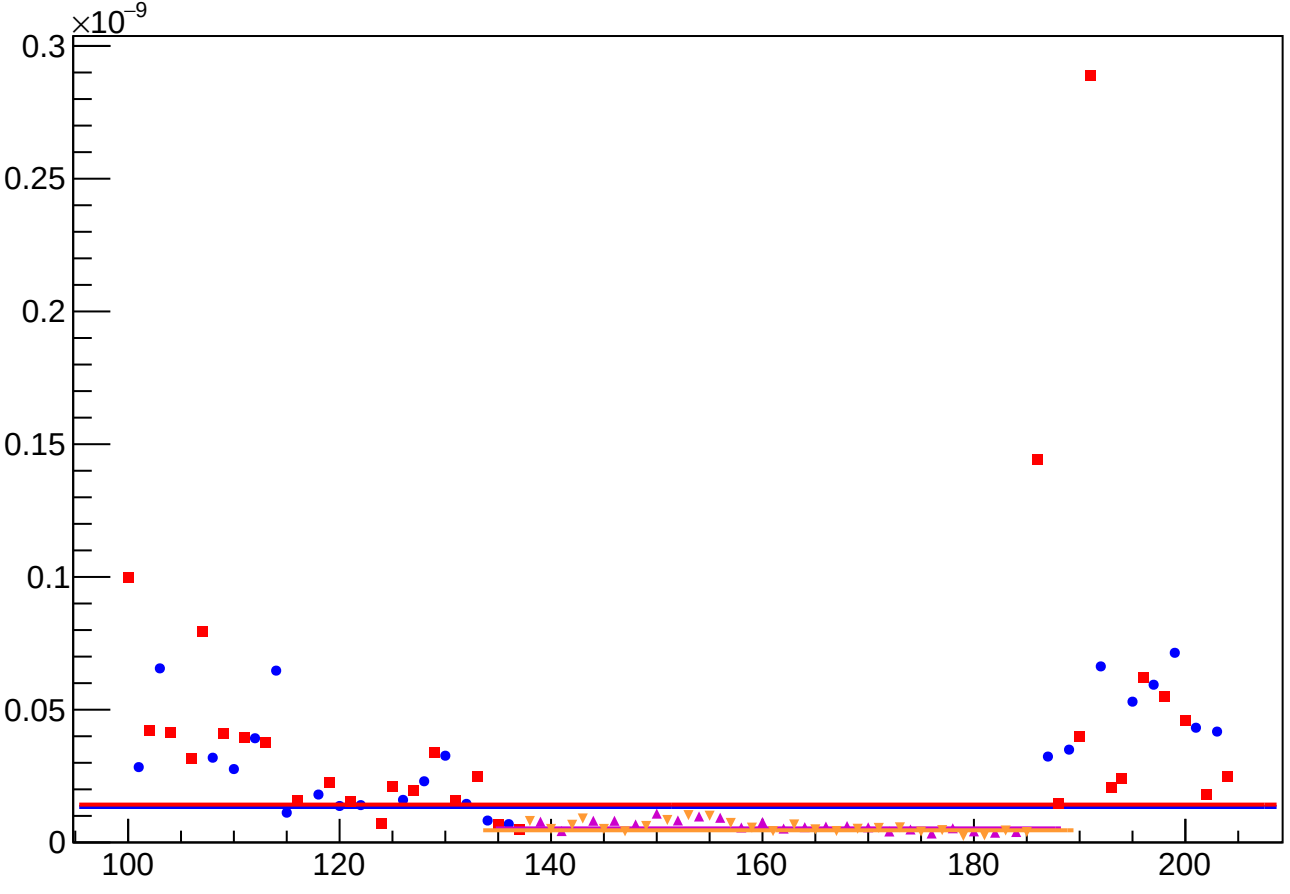
Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.1/48

All: -0.000+/-0.000 χ^2/NDF: 87.5/101

- sign -0.000+/-0.000 χ^2/NDF: 34.4/52

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6804319.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6216312.9/29

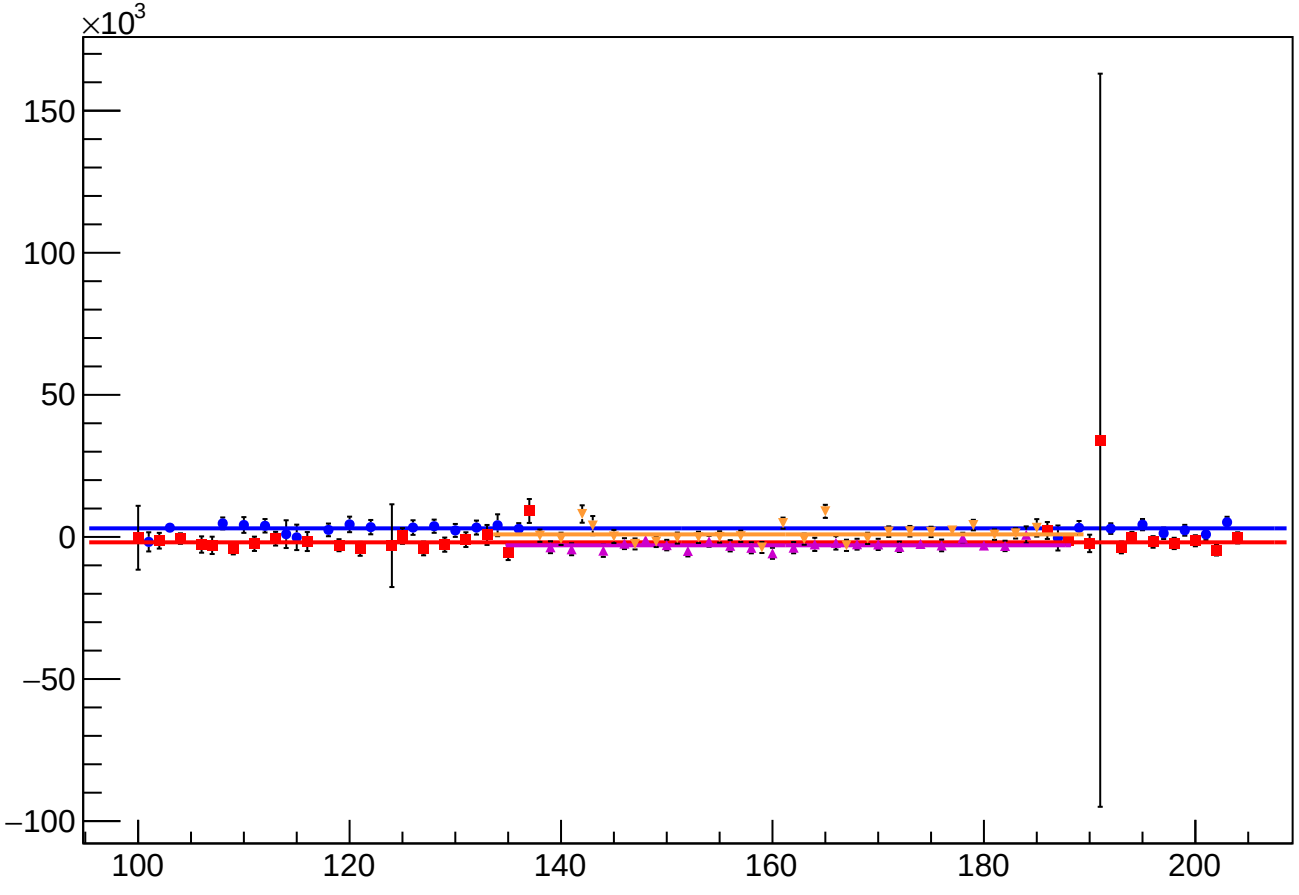
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 13375158.1/48

All: 0.000+/-0.000 χ^2/NDF: 25595322.8/101

- sign 0.000+/-0.000 χ^2/NDF: 11950385.8/52

reg_asym_at2_avg_mean vs Slug



Right In: 3026.065+/-480.225 χ^2/NDF: 8.6/23

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1895.723+/-452.903 χ^2/NDF: 20.8/29

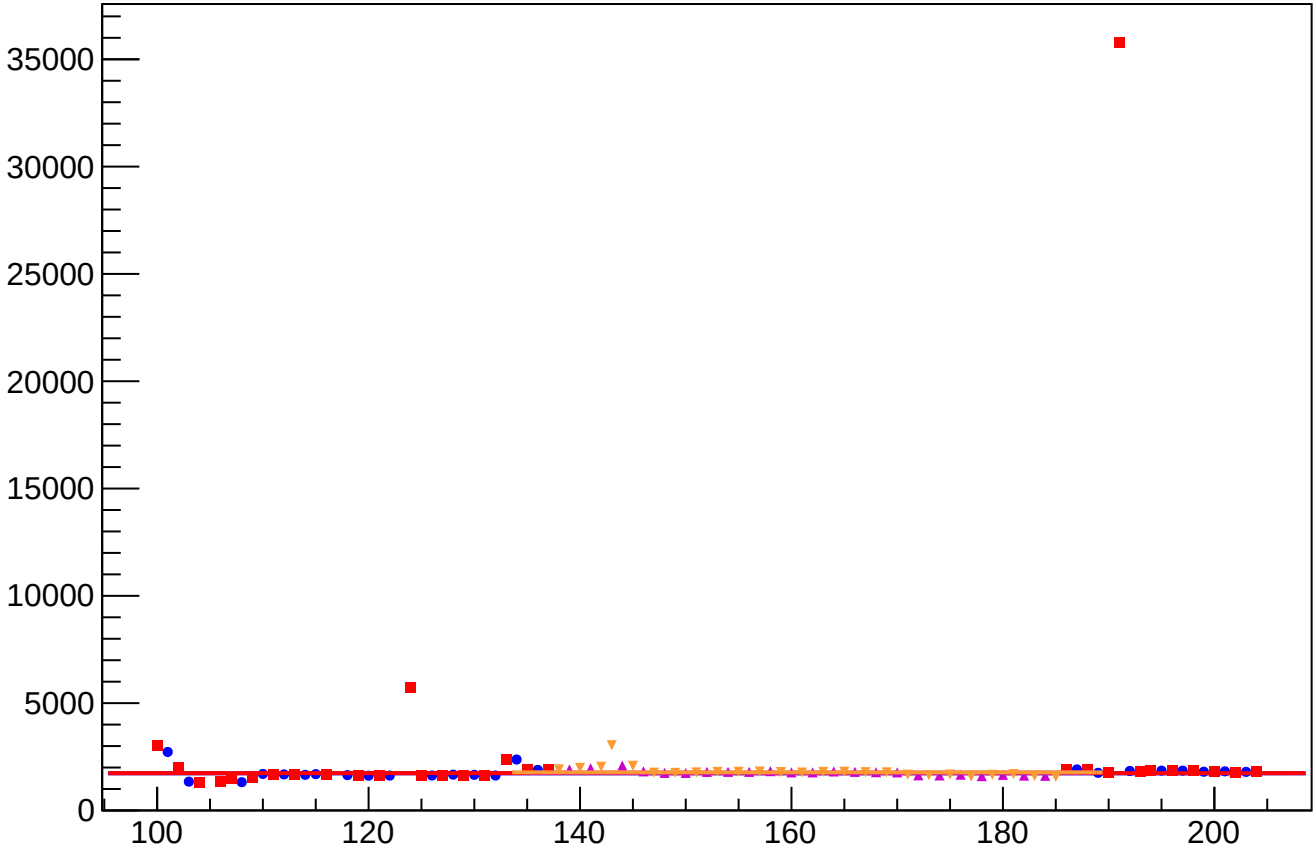
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1784.405+/-309.840 χ^2/NDF: 65.4/48

All: -377.144+/-217.283 χ^2/NDF: 195.4/101

- sign -2468.848+/-304.793 χ^2/NDF: 34.3/52

reg_asym_at2_avg_rms vs Slug



Right In: 1729.637+/-0.340 χ^2/NDF: 474229.1/23

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1737.696+/-0.320 χ^2/NDF: 669624.6/29

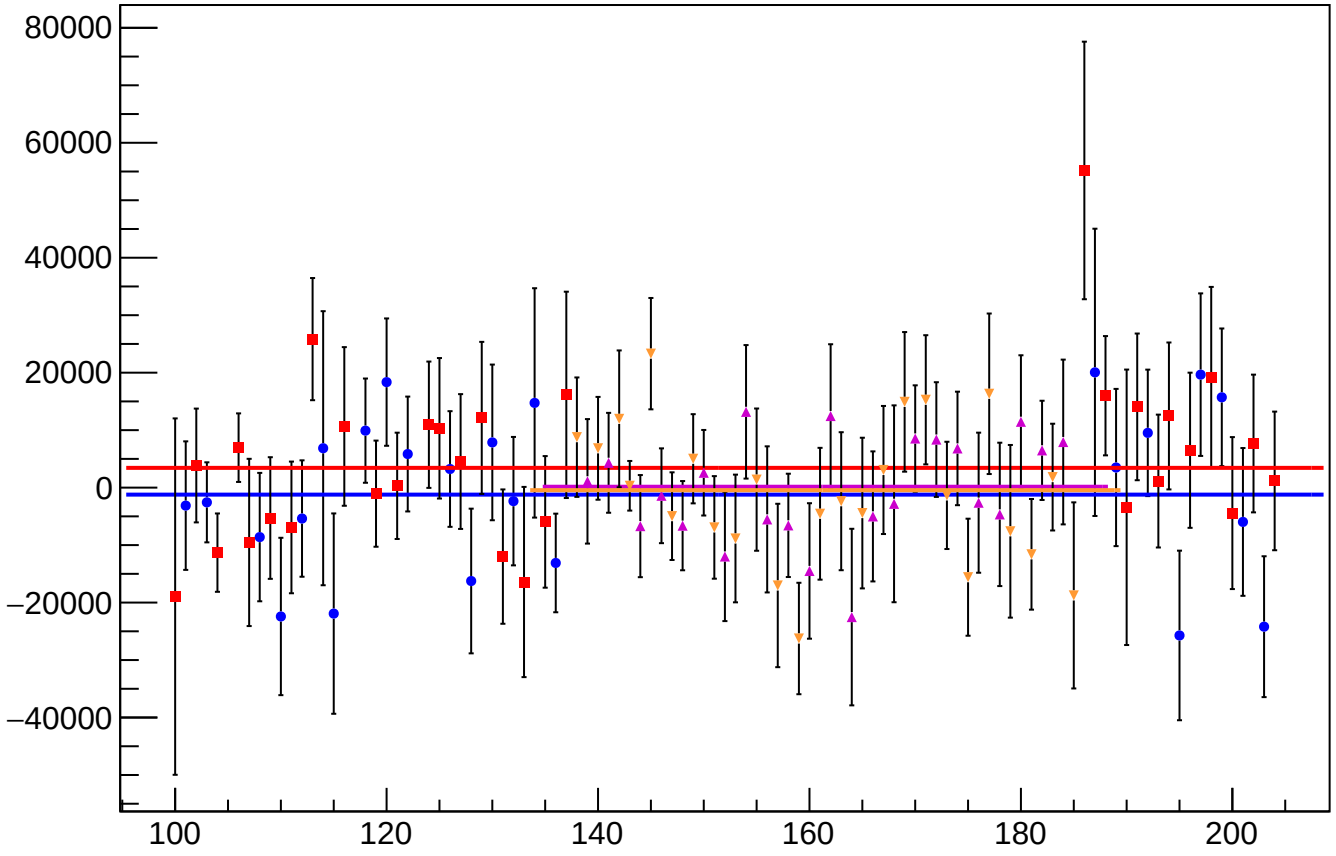
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1755.959+/-0.219 χ^2/NDF: 931418.6/48

All: 1753.182+/-0.154 χ^2/NDF: 1750545.0/10

- sign 1750.494+/-0.216 χ^2/NDF: 818810.2/52

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1217.510+/-2374.672 χ^2/NDF: 26.8/23

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 3437.618+/-2079.616 χ^2/NDF: 28.2/29

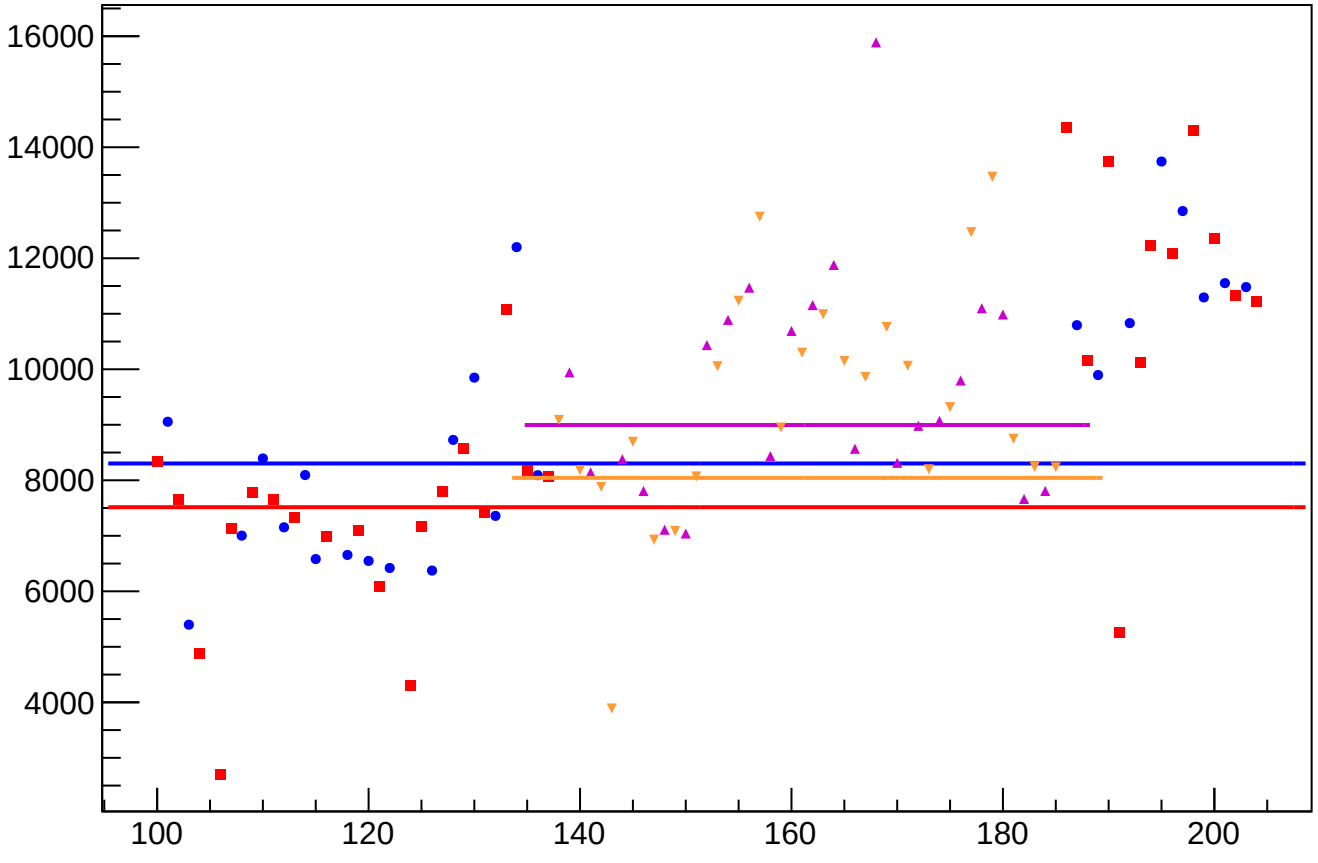
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -750.456+/-1495.664 χ^2/NDF: 56.3/48

All: 550.490+/-1056.502 χ^2/NDF: 101.0/101

- sign 1846.076+/-1492.581 χ^2/NDF: 43.2/52

asym_at2_avg_reg_correction_rms vs Slug



Right In: 8302.673+/-1.679 χ^2/NDF: 1828944.4/23

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 7515.068+/-1.471 χ^2/NDF: 4097420.7/29

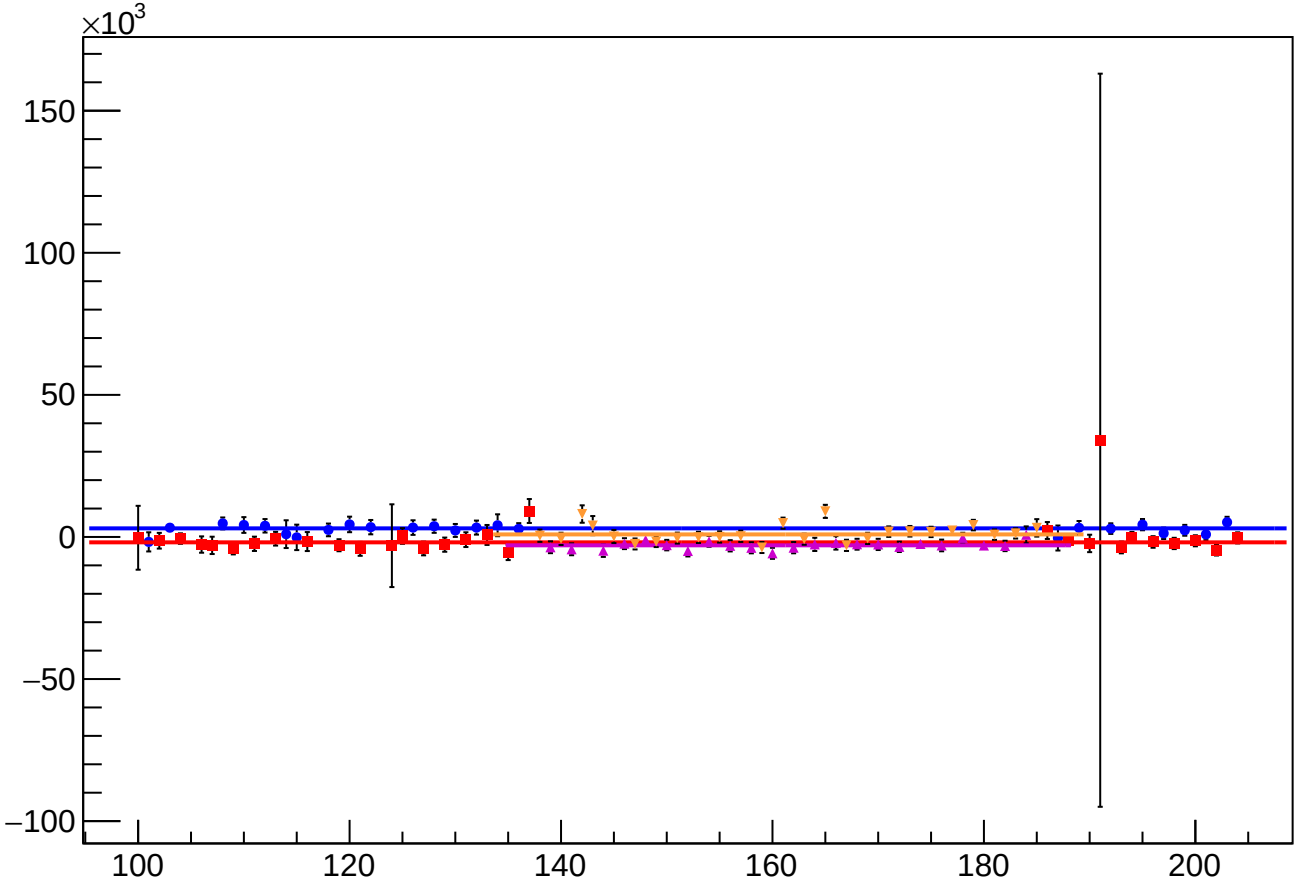
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 8146.515+/-1.058 χ^2/NDF: 5206118.6/48

All: 8189.825+/-0.747 χ^2/NDF: 11005548.5/1

- sign 8232.957+/-1.055 χ^2/NDF: 5796082.7/52

cor_asym_at2_avg_mean vs Slug



Right In: 3026.153+/-480.225 χ^2/NDF: 8.6/23

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1895.630+/-452.903 χ^2/NDF: 20.8/29

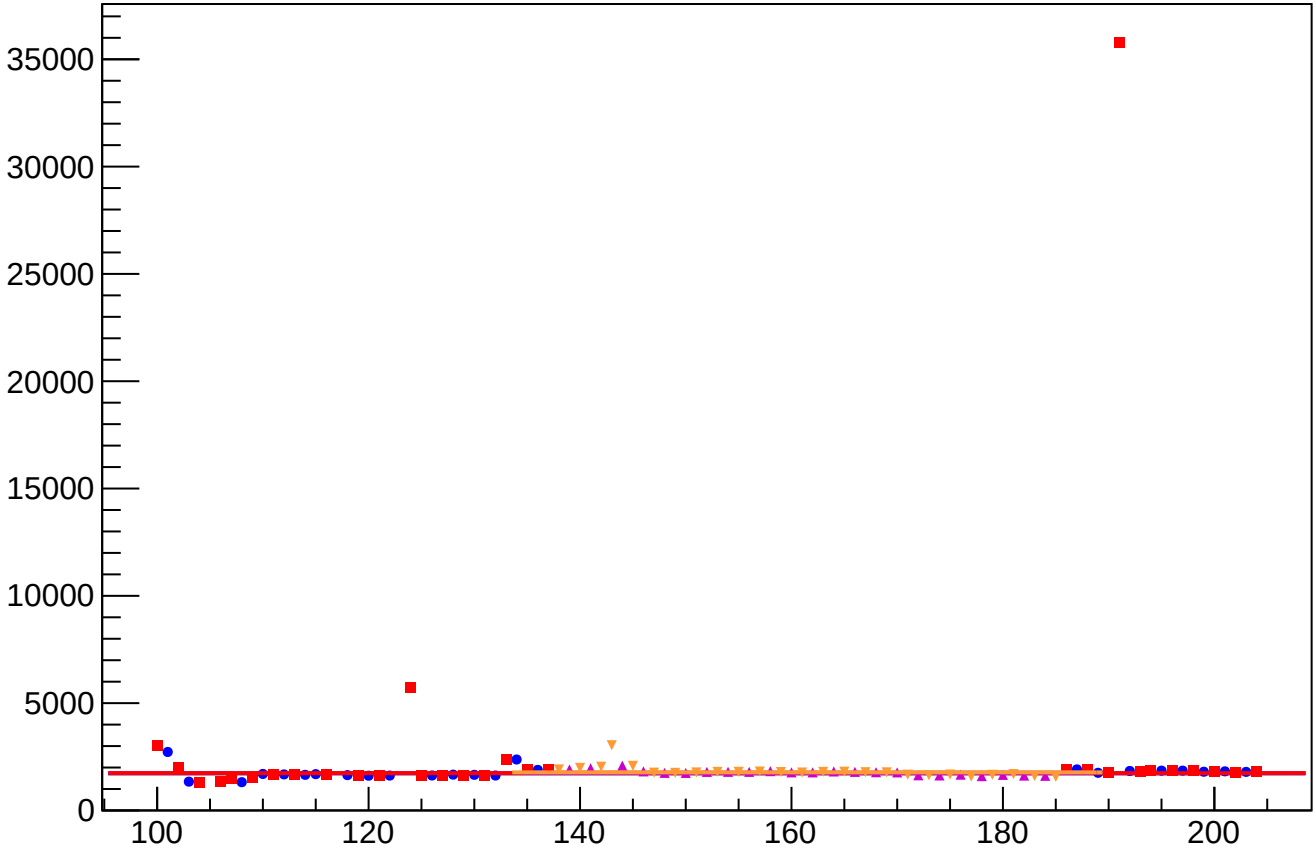
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1784.395+/-309.840 χ^2/NDF: 65.4/48

All: -377.096+/-217.283 χ^2/NDF: 195.4/101

- sign -2468.743+/-304.793 χ^2/NDF: 34.3/52

cor_asym_at2_avg_rms vs Slug



Right In: 1729.637+/-0.340 χ^2/NDF: 474229.5/23

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1737.696+/-0.320 χ^2/NDF: 669624.8/29

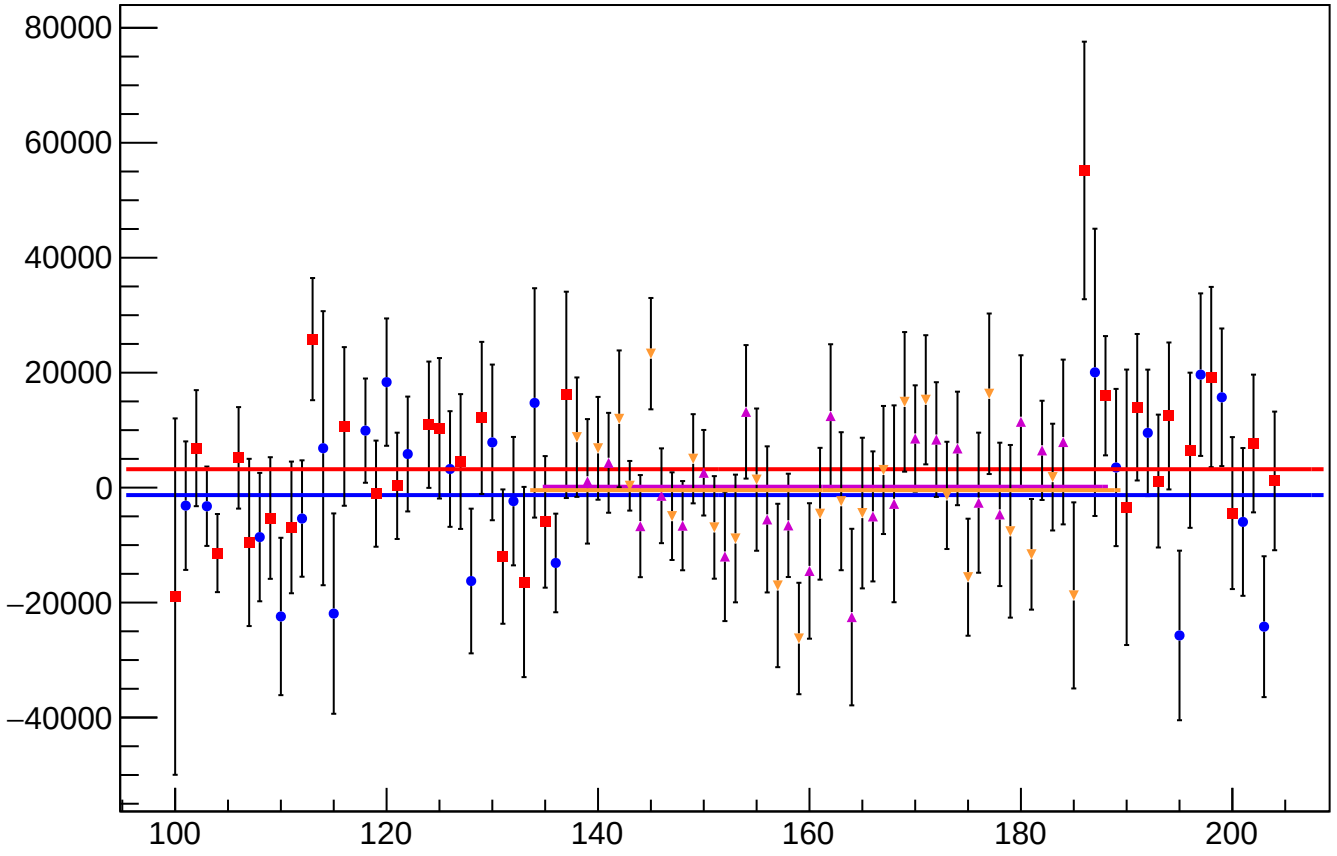
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1755.959+/-0.219 χ^2/NDF: 931419.0/48

All: 1753.182+/-0.154 χ^2/NDF: 1750545.7/10

- sign 1750.494+/-0.216 χ^2/NDF: 818810.4/52

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1300.404+/-2372.295 χ^2/NDF: 26.8/23

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3202.606+/-2153.191 χ^2/NDF: 28.1/29

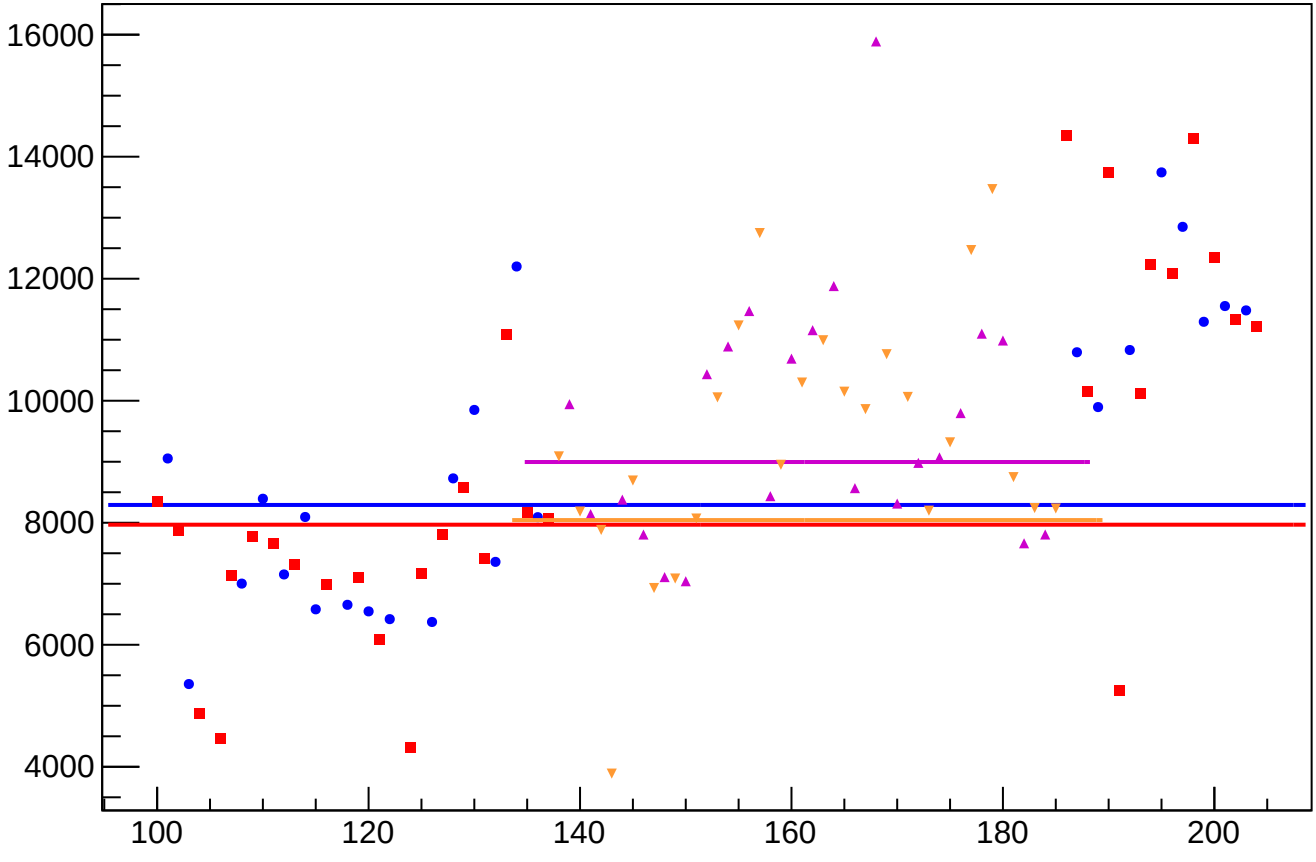
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -783.775+/-1495.068 χ^2/NDF: 56.4/48

All: 424.559+/-1065.565 χ^2/NDF: 100.5/101

- sign 1672.039+/-1519.093 χ^2/NDF: 42.9/52

asym_at2_avg_cor_correction_rms vs Slug



Right In: 8291.855+/-1.677 χ^2/NDF: 1845247.5/23

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

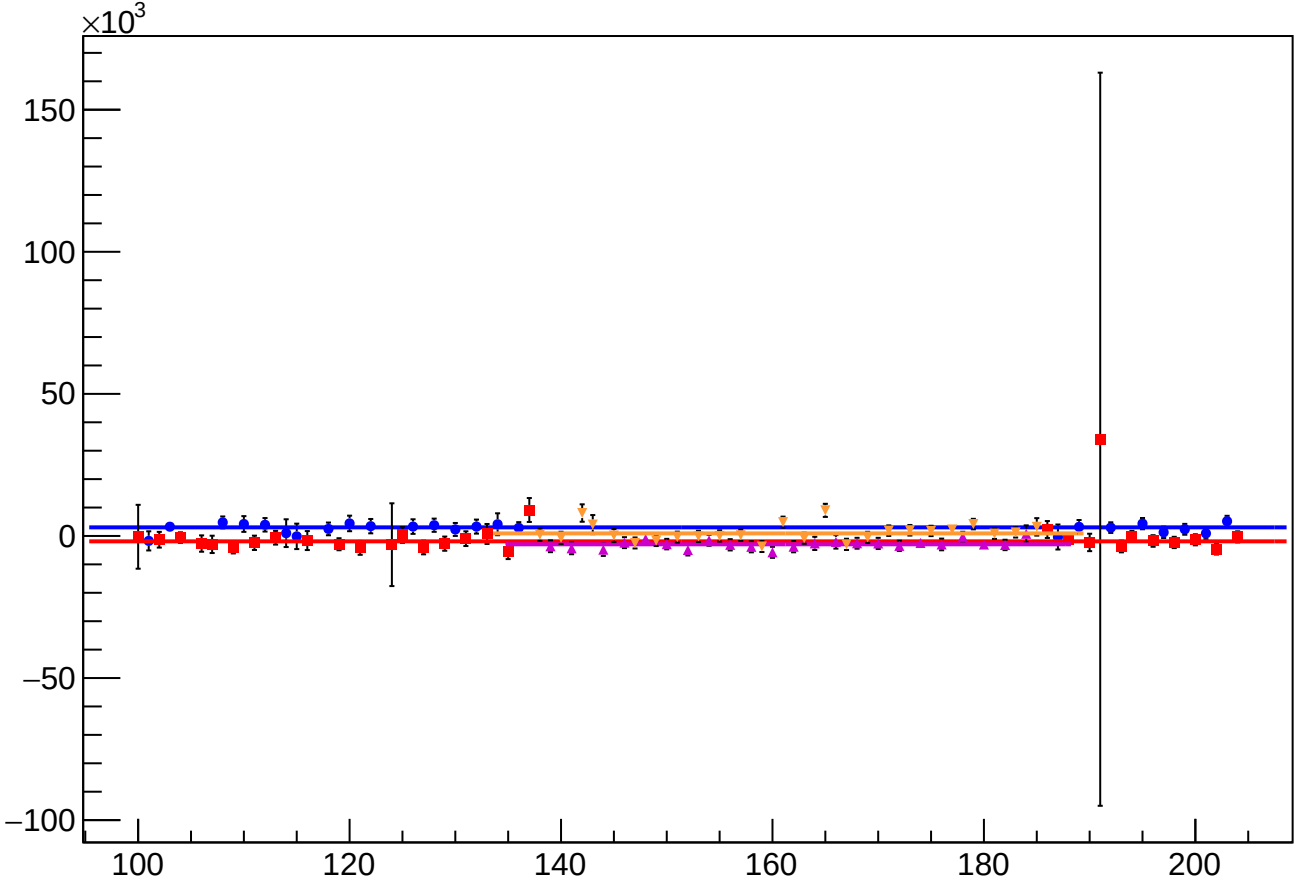
Right Out: 7968.142+/-1.523 χ^2/NDF: 2950211.9/29

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8142.327+/-1.057 χ^2/NDF: 5221344.2/48

All: 8310.538+/-0.753 χ^2/NDF: 9658886.1/10

- sign 8484.199+/-1.074 χ^2/NDF: 4386087.0/52



Right In: 3026.153+/-480.225 χ^2/NDF: 8.6/23

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1895.630+/-452.903 χ^2/NDF: 20.8/29

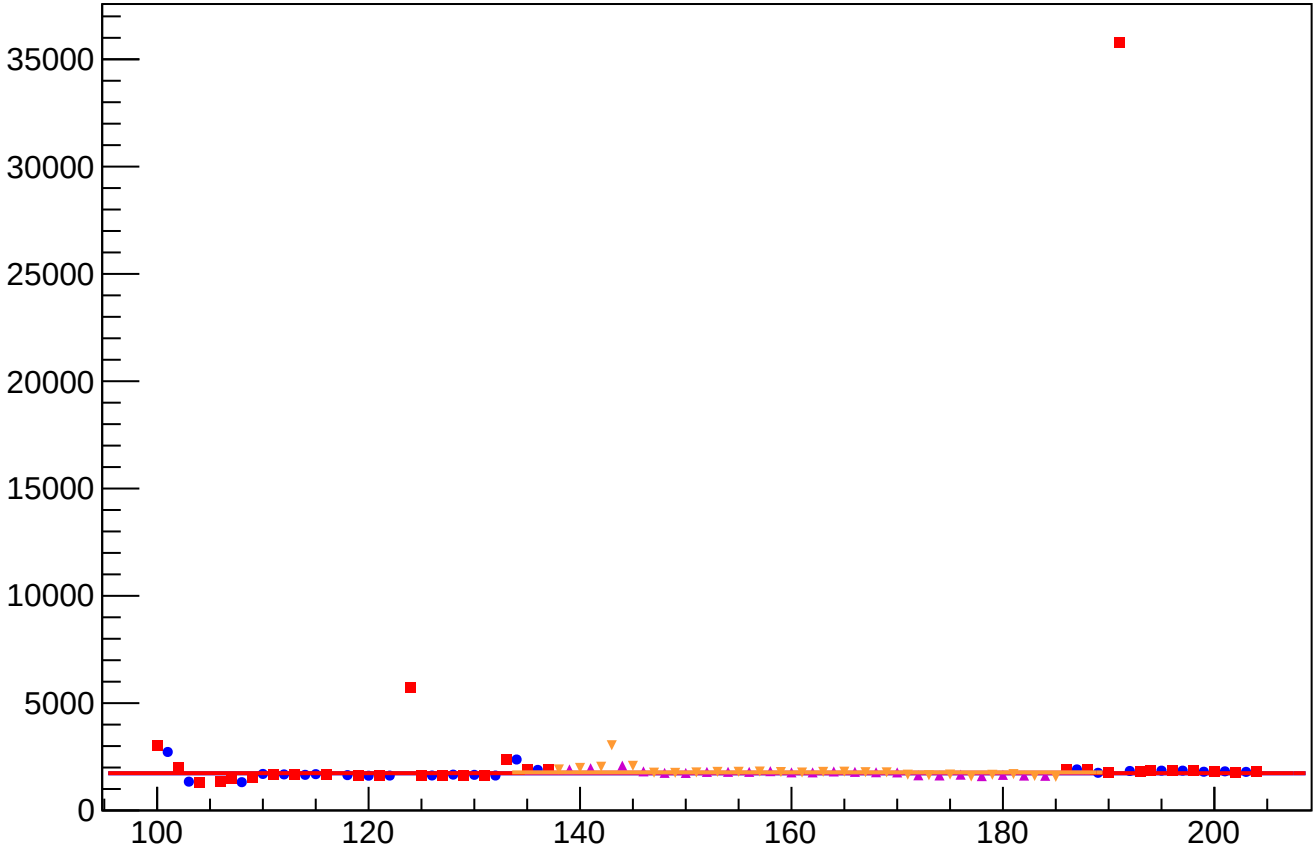
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1784.395+/-309.840 χ^2/NDF: 65.4/48

All: -377.096+/-217.283 χ^2/NDF: 195.4/101

- sign -2468.743+/-304.793 χ^2/NDF: 34.3/52

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1729.637+/-0.340 χ^2/NDF: 474229.5/23

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1737.696+/-0.320 χ^2/NDF: 669624.8/29

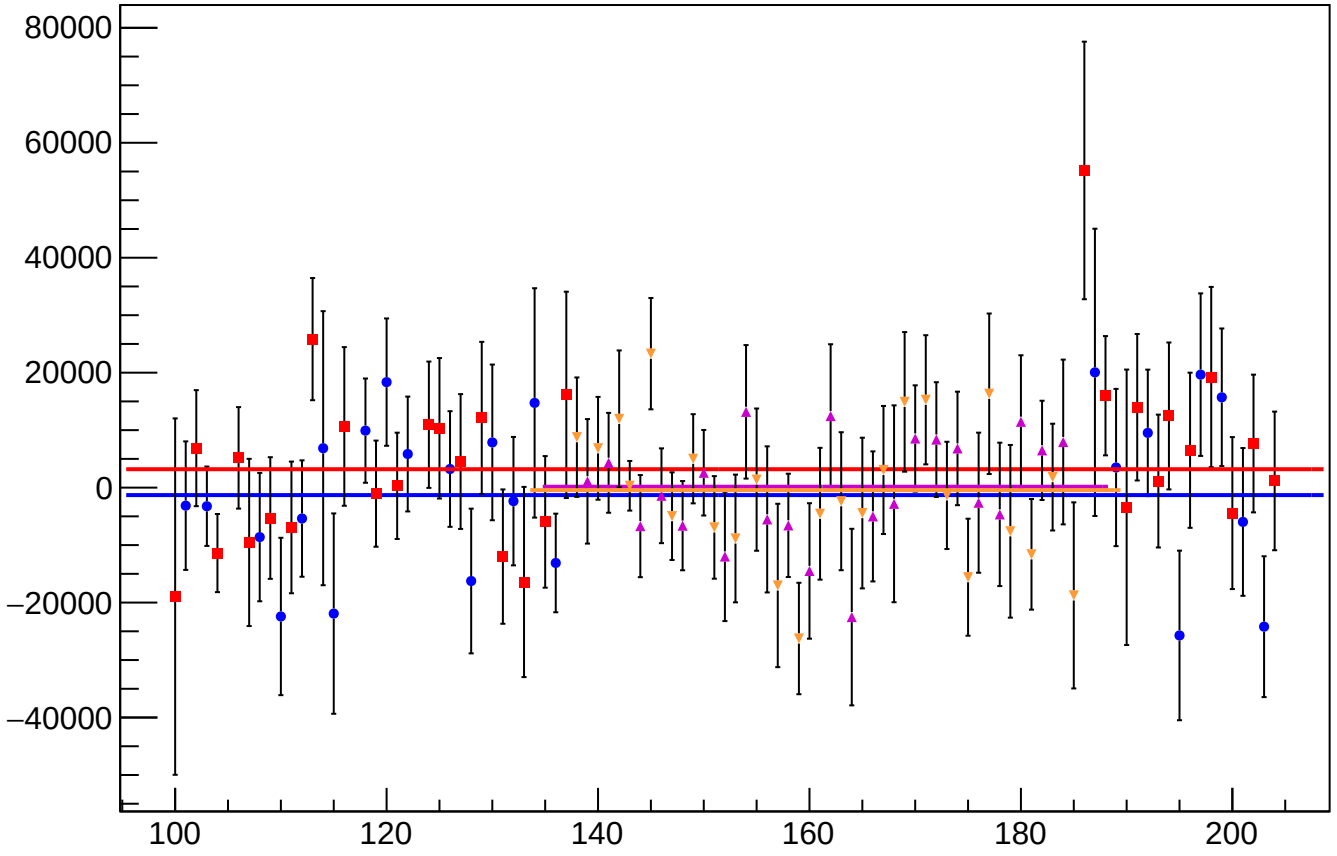
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1755.959+/-0.219 χ^2/NDF: 931419.0/48

All: 1753.182+/-0.154 χ^2/NDF: 1750545.7/10

- sign 1750.494+/-0.216 χ^2/NDF: 818810.4/52

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1300.404+/-2372.295 χ^2/NDF: 26.8/23

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3202.606+/-2153.191 χ^2/NDF: 28.1/29

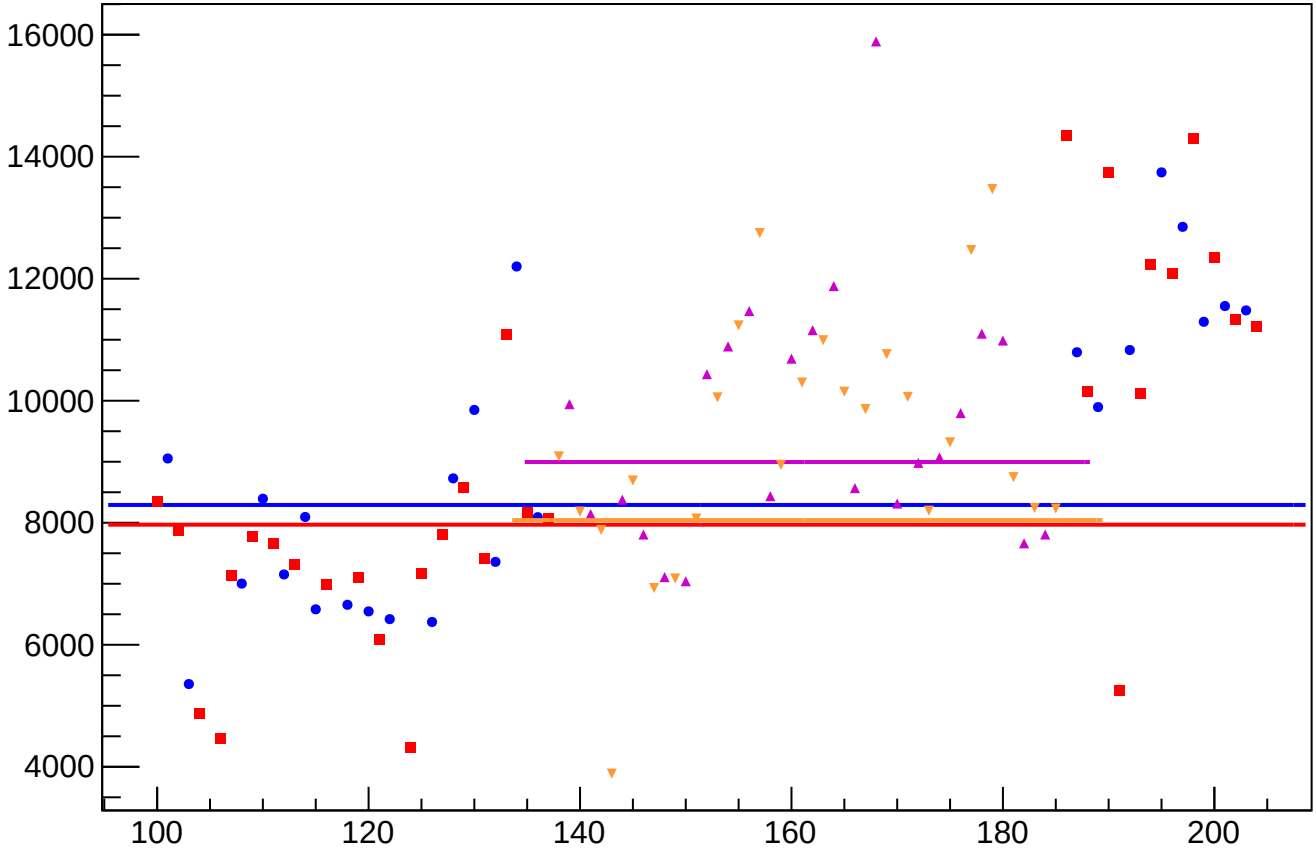
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

\+ sign -783.775+/-1495.068 χ^2/NDF: 56.4/48

All: 424.559+/-1065.565 χ^2/NDF: 100.5/101

\- sign 1672.039+/-1519.093 χ^2/NDF: 42.9/52

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 8291.855+/-1.677 χ^2/NDF: 1845247.5/23

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7968.142+/-1.523 χ^2/NDF: 2950211.9/29

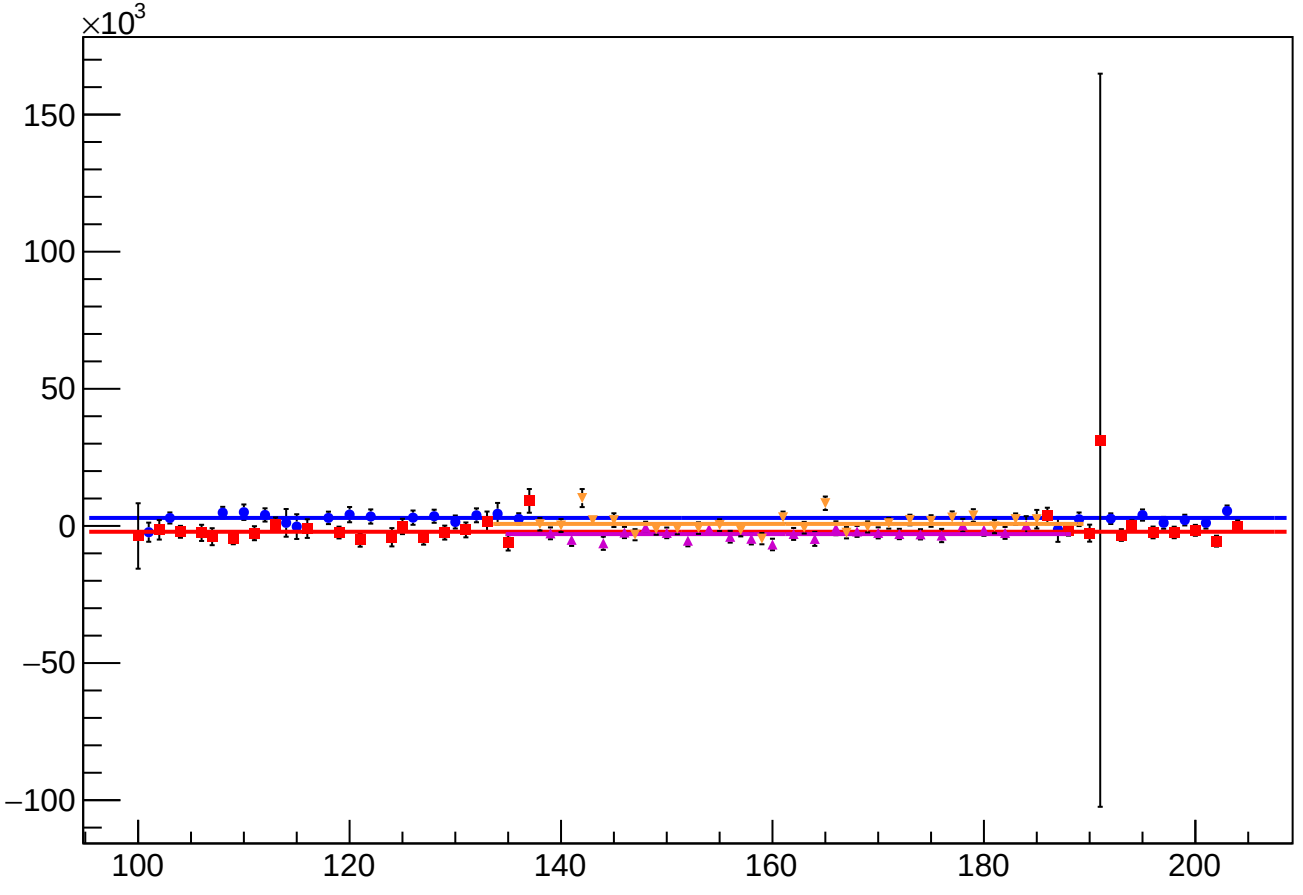
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8142.327+/-1.057 χ^2/NDF: 5221344.2/48

All: 8310.538+/-0.753 χ^2/NDF: 9658886.1/10

- sign 8484.199+/-1.074 χ^2/NDF: 4386087.0/52

dit_asym_at2_avg_mean vs Slug



Right In: 2918.882+/-498.151 χ^2/NDF: 9.8/23

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2125.649+/-466.798 χ^2/NDF: 25.7/29

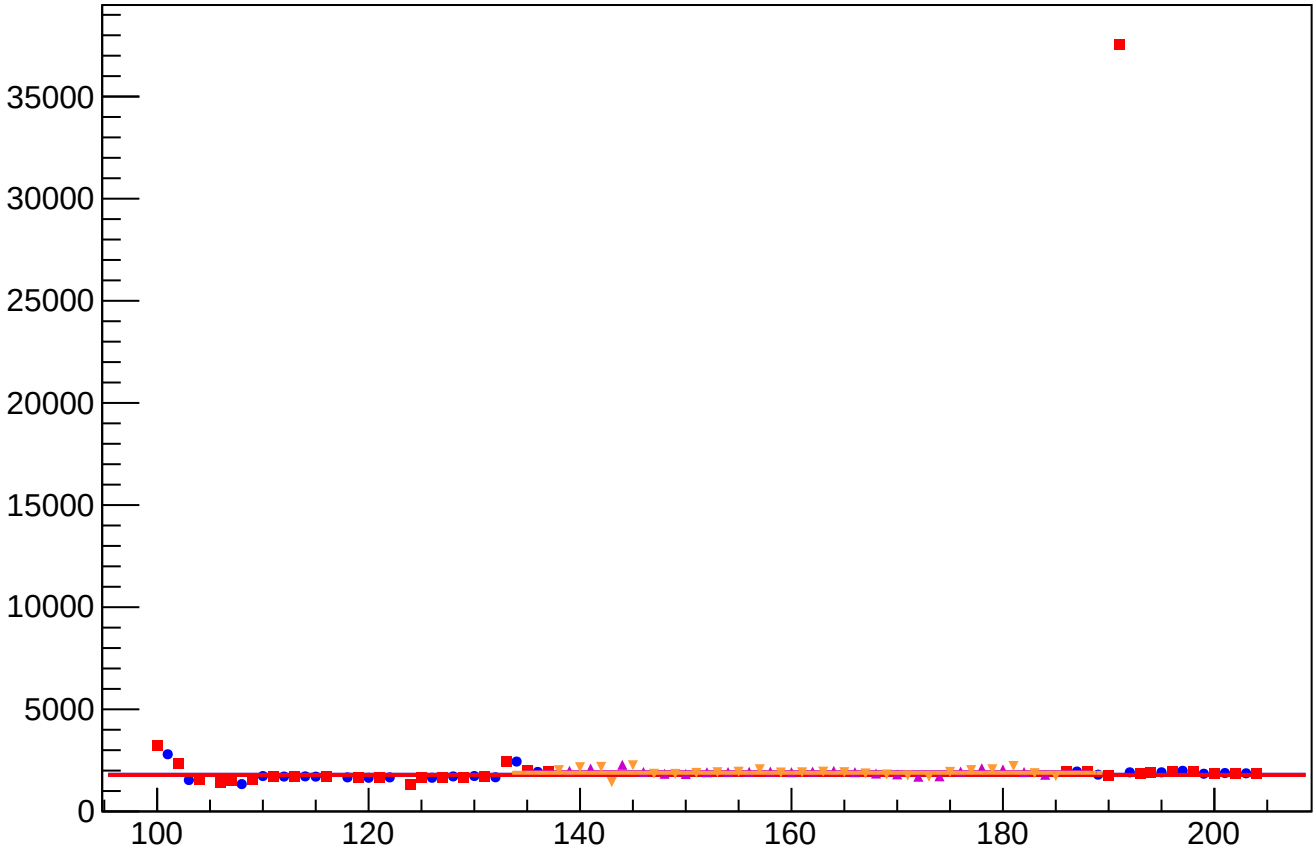
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1676.878+/-326.749 χ^2/NDF: 62.4/48

All: -462.720+/-230.103 χ^2/NDF: 190.5/101

- sign -2567.755+/-324.099 χ^2/NDF: 43.1/52

dit_asym_at2_avg_rms vs Slug



Right In: 1794.920+/-0.352 χ^2/NDF: 428946.0/23

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1789.305+/-0.330 χ^2/NDF: 537682.3/29

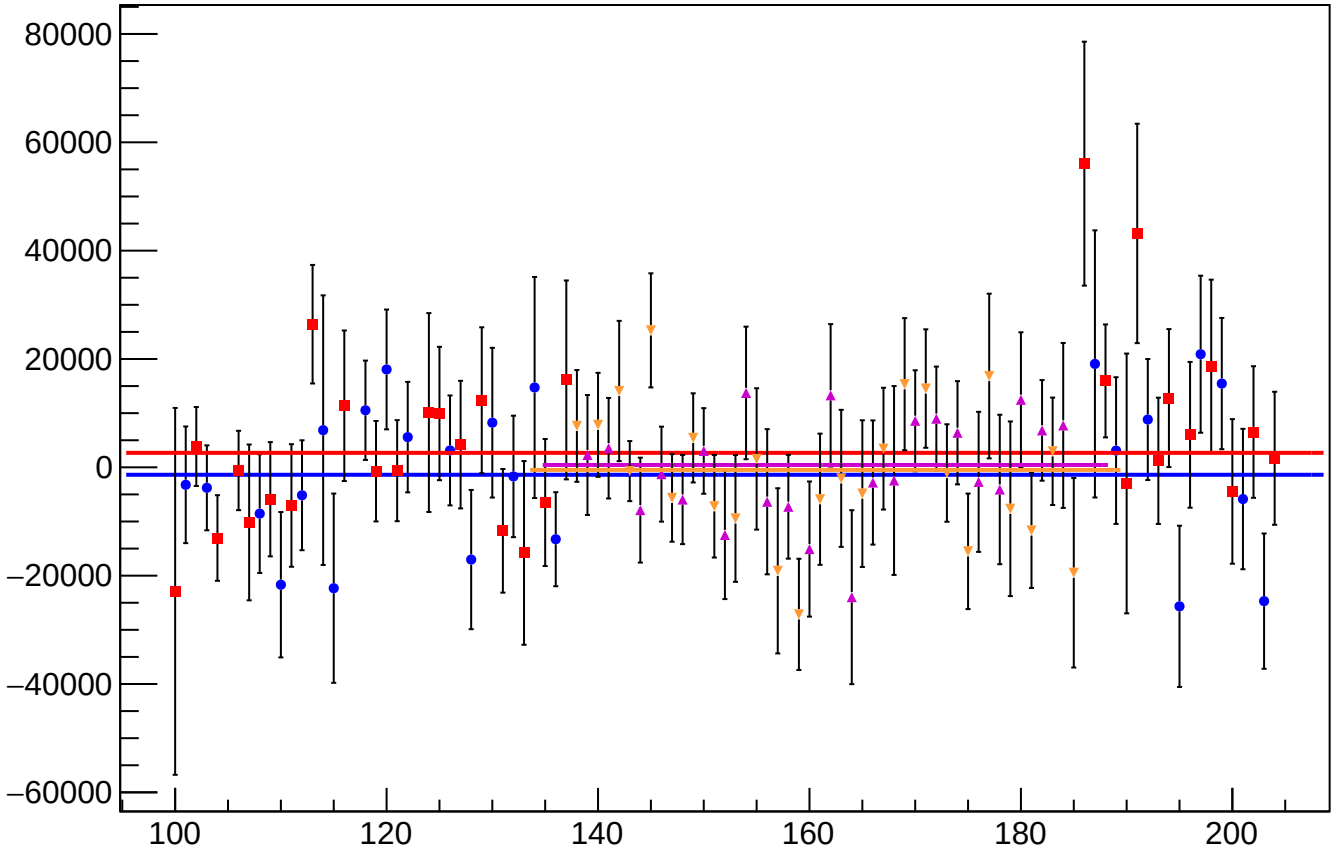
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1851.762+/-0.231 χ^2/NDF: 843236.6/48

All: 1855.188+/-0.163 χ^2/NDF: 1617373.1/10

- sign 1858.558+/-0.229 χ^2/NDF: 773700.3/52

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1375.168+/-2416.400 χ^2/NDF: 26.6/23

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 2672.667+/-2163.569 χ^2/NDF: 30.7/29

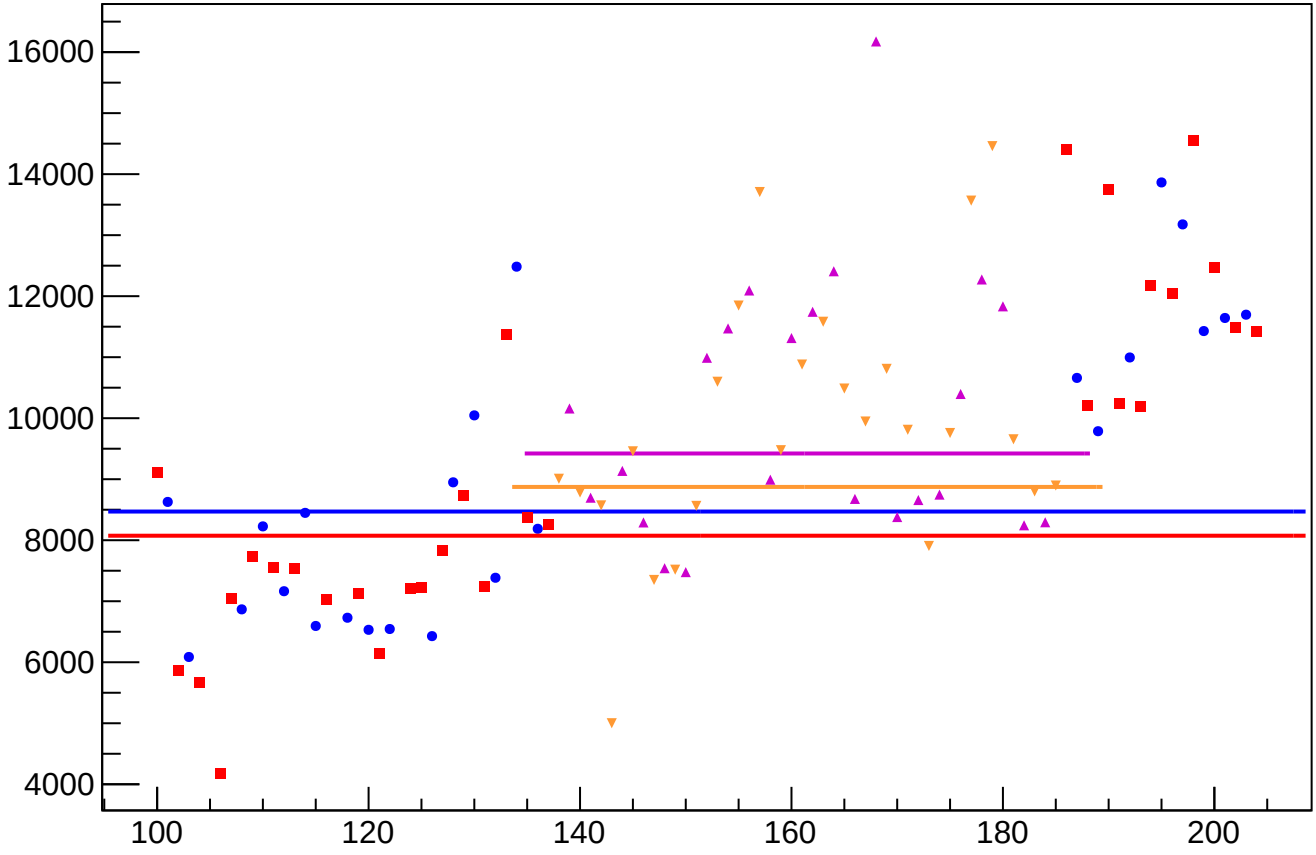
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

\+ sign -862.546+/-1580.423 χ^2/NDF: 55.5/48

All: 384.383+/-1109.489 χ^2/NDF: 101.5/101

\- sign 1596.068+/-1557.927 χ^2/NDF: 44.8/52

asym_at2_avg_dit_correction_rms vs Slug



Right In: 8470.181+/-1.709 χ^2/NDF: 1680782.9/23

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8073.915+/-1.530 χ^2/NDF: 2860149.0/29

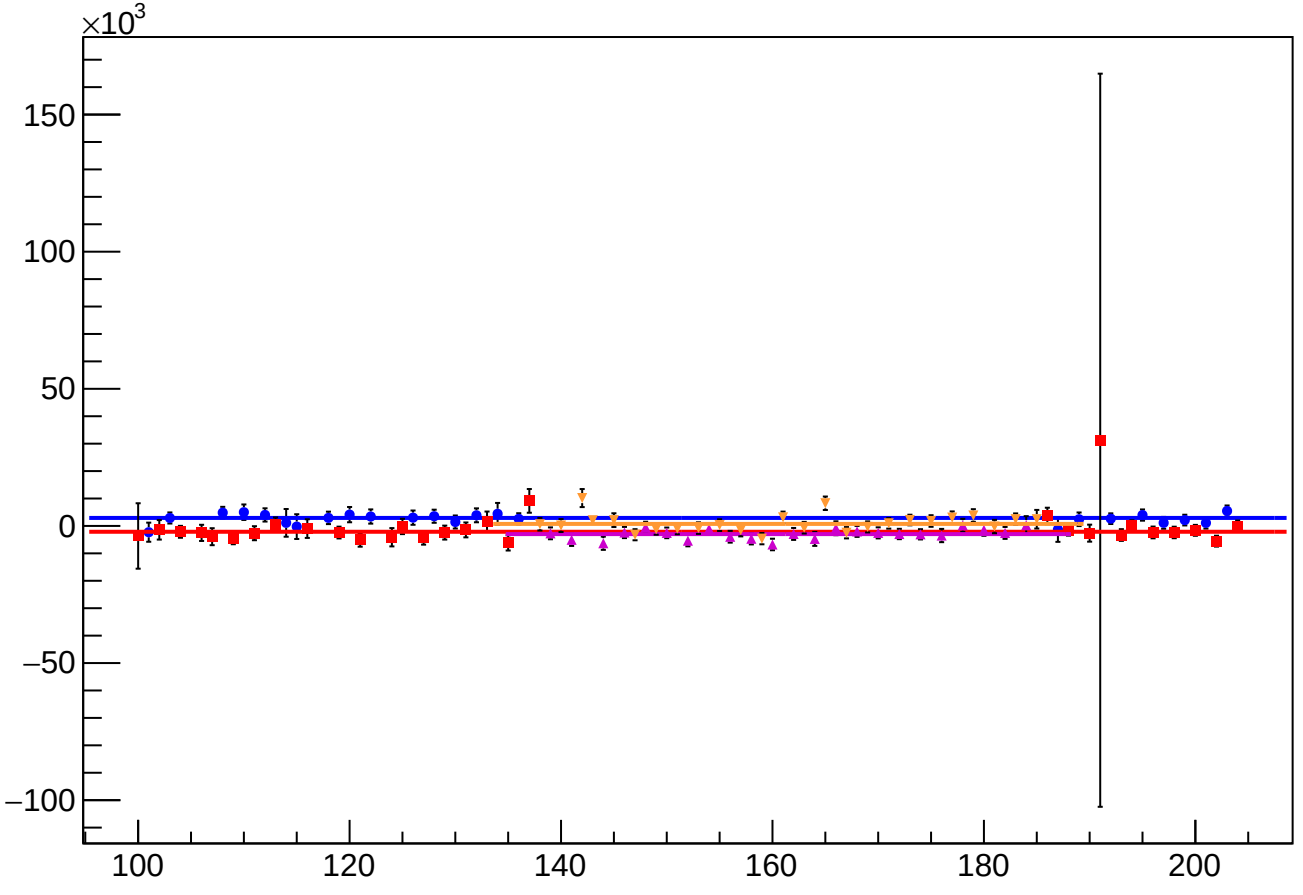
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8701.026+/-1.118 χ^2/NDF: 3915930.4/48

All: 8712.105+/-0.785 χ^2/NDF: 8354824.5/10

- sign 8722.870+/-1.102 χ^2/NDF: 4438700.3/52

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2918.877+/-498.151 χ^2/NDF: 9.8/23

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2125.652+/-466.798 χ^2/NDF: 25.7/29

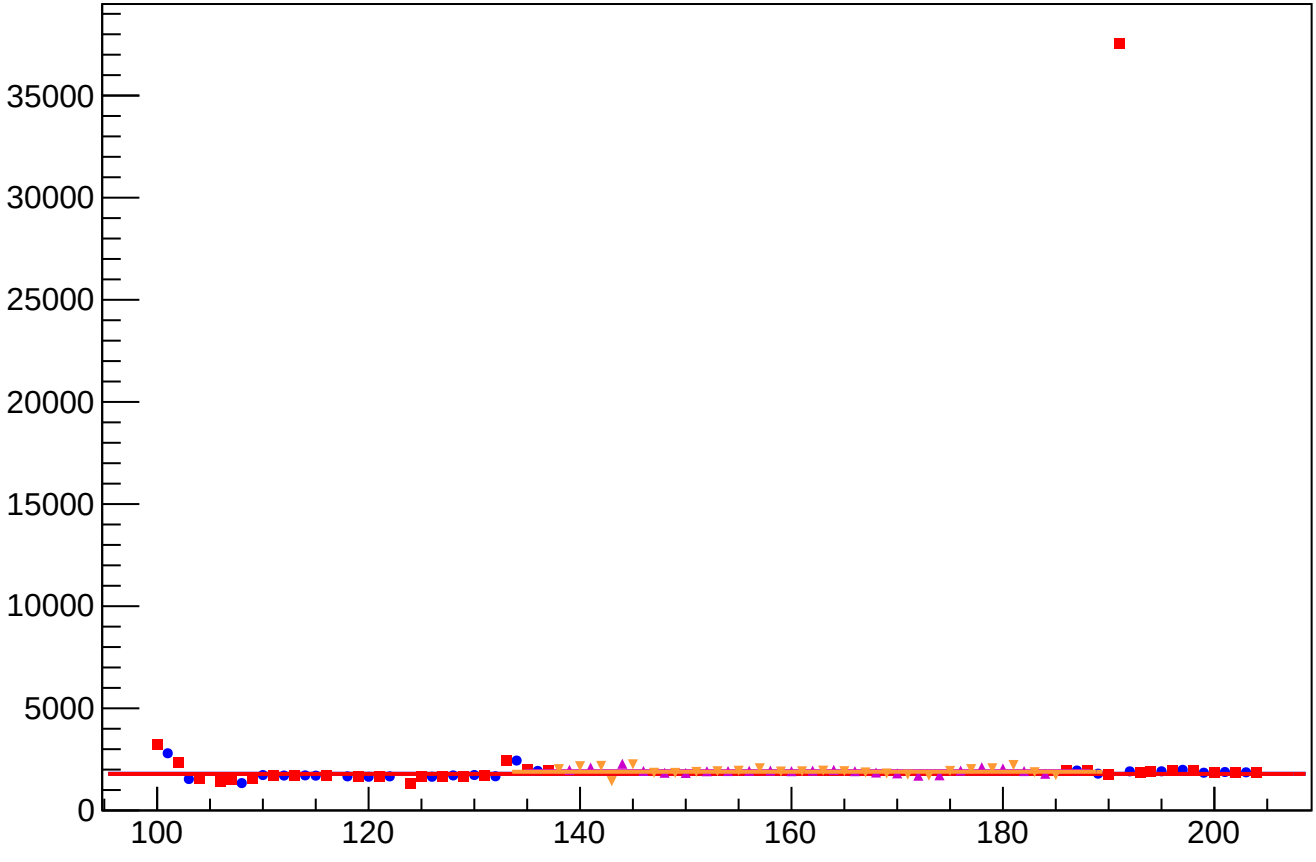
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1676.871+/-326.749 χ^2/NDF: 62.4/48

All: -462.724+/-230.104 χ^2/NDF: 190.5/101

- sign -2567.756+/-324.099 χ^2/NDF: 43.1/52

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1794.920+/-0.352 χ^2/NDF: 428946.8/23

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1789.305+/-0.330 χ^2/NDF: 537683.9/29

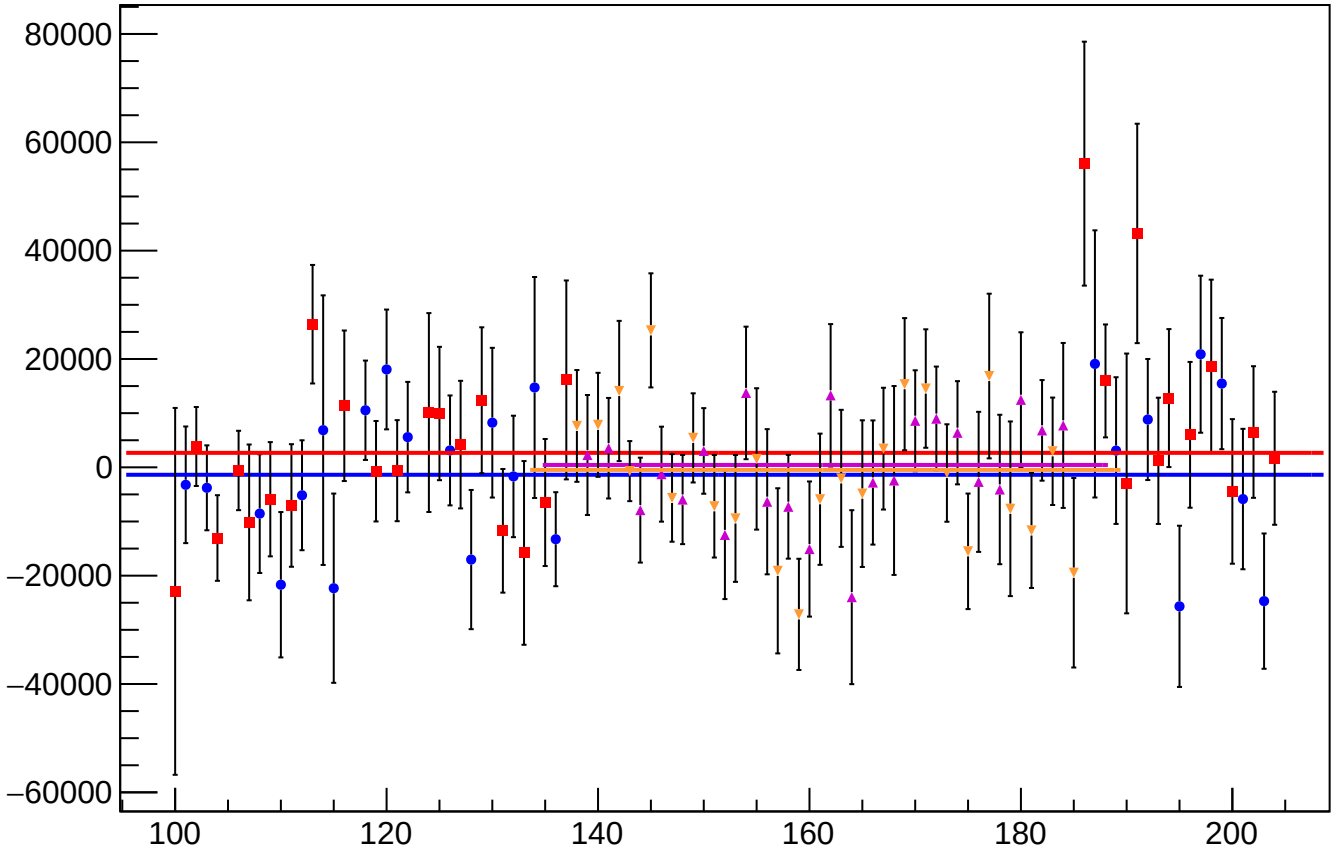
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1851.764+/-0.231 χ^2/NDF: 843247.9/48

All: 1855.190+/-0.163 χ^2/NDF: 1617397.2/10

- sign 1858.560+/-0.229 χ^2/NDF: 773713.1/52

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1375.152+/-2416.397 χ^2/NDF: 26.6/23

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: 2672.653+/-2163.566 χ^2/NDF: 30.7/29

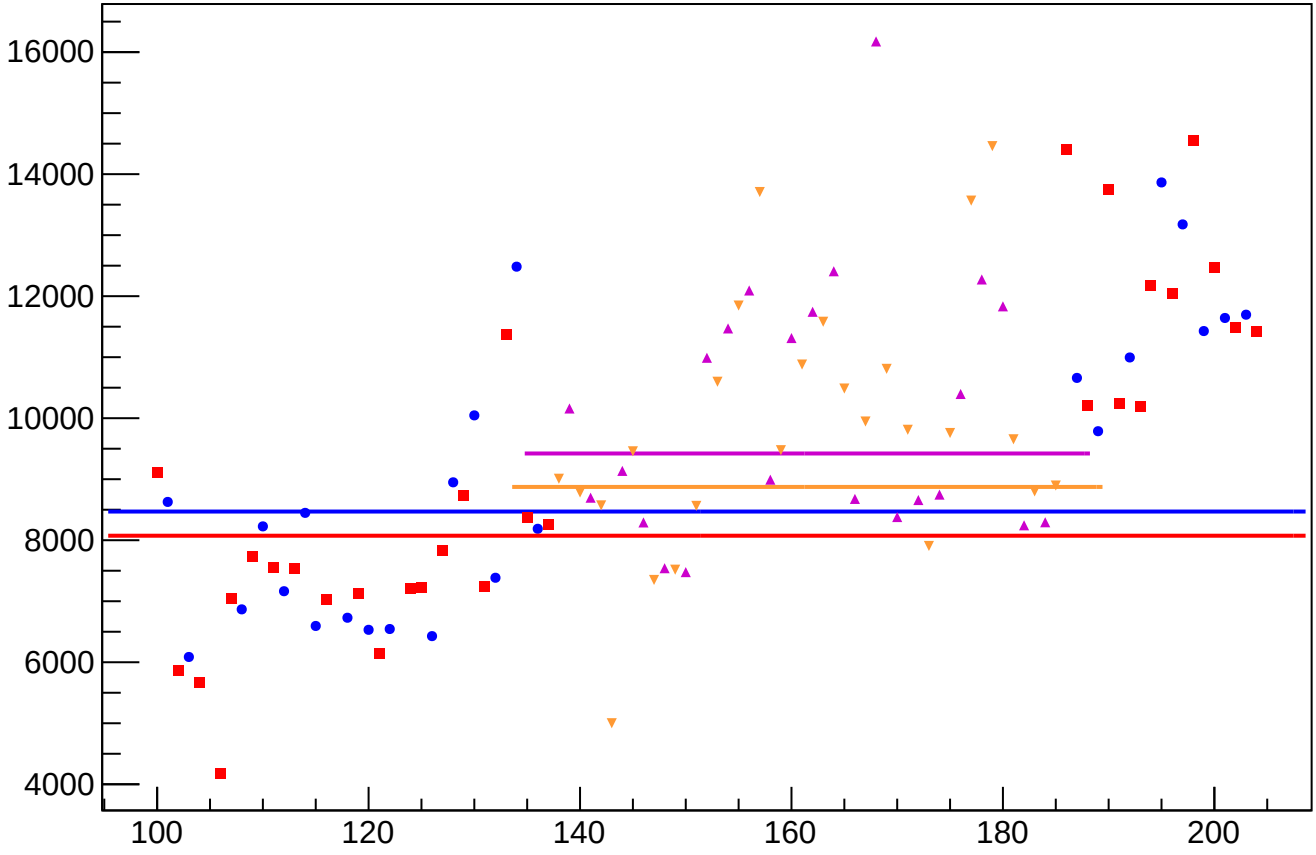
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

\+ sign -862.544+/-1580.423 χ^2/NDF: 55.5/48

All: 384.383+/-1109.489 χ^2/NDF: 101.5/101

\- sign 1596.065+/-1557.927 χ^2/NDF: 44.8/52

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 8470.166+/-1.709 χ^2/NDF: 1680804.1/23

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 8073.902+/-1.530 χ^2/NDF: 2860169.3/29

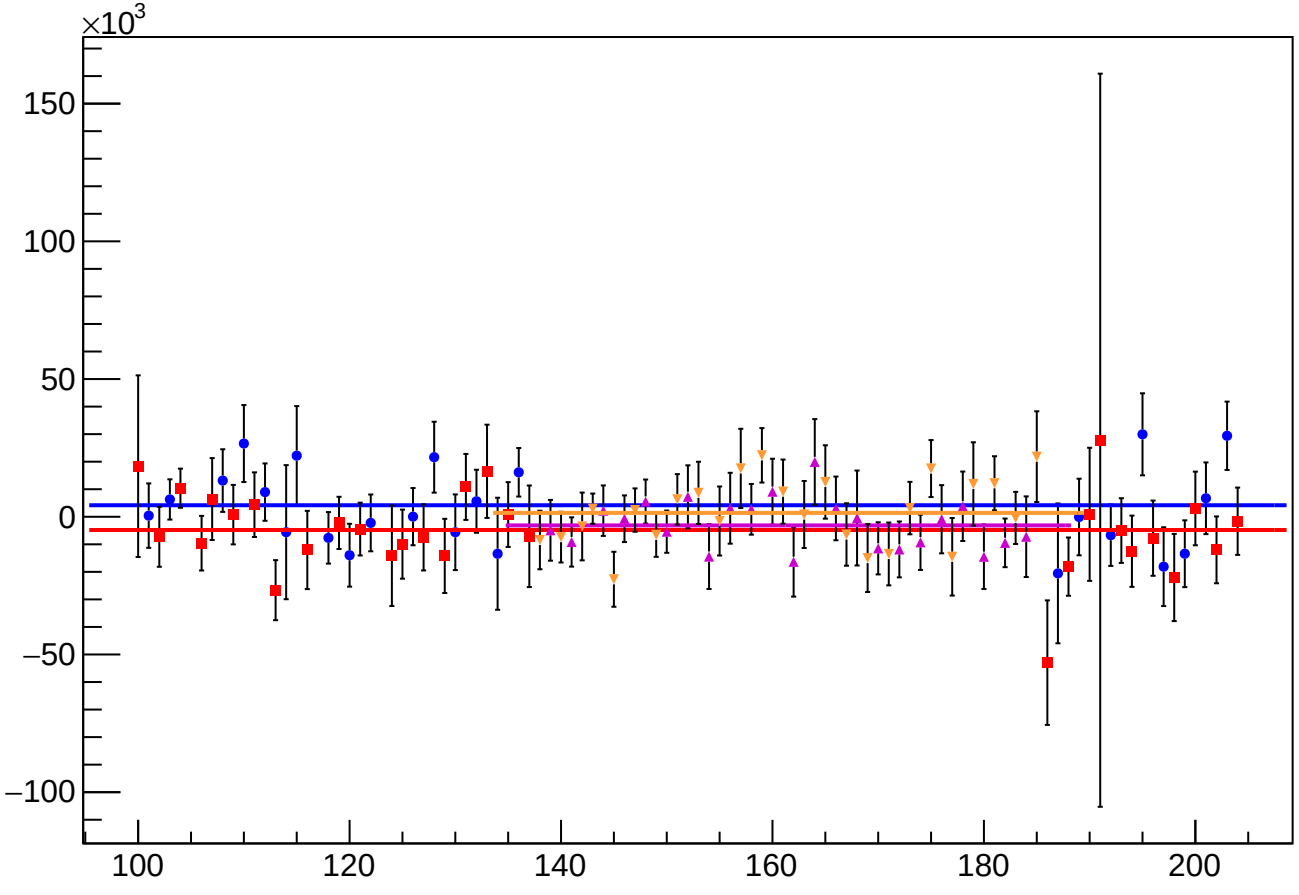
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8701.027+/-1.118 χ^2/NDF: 3915957.7/48

All: 8712.104+/-0.785 χ^2/NDF: 8354890.8/10

- sign 8722.869+/-1.102 χ^2/NDF: 4438739.4/52

asym_at2_avg_mean vs Slug



Right In: 4185.156+/-2437.457 χ^2/NDF: 28.1/23

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -4805.008+/-2282.272 χ^2/NDF: 24.3/29

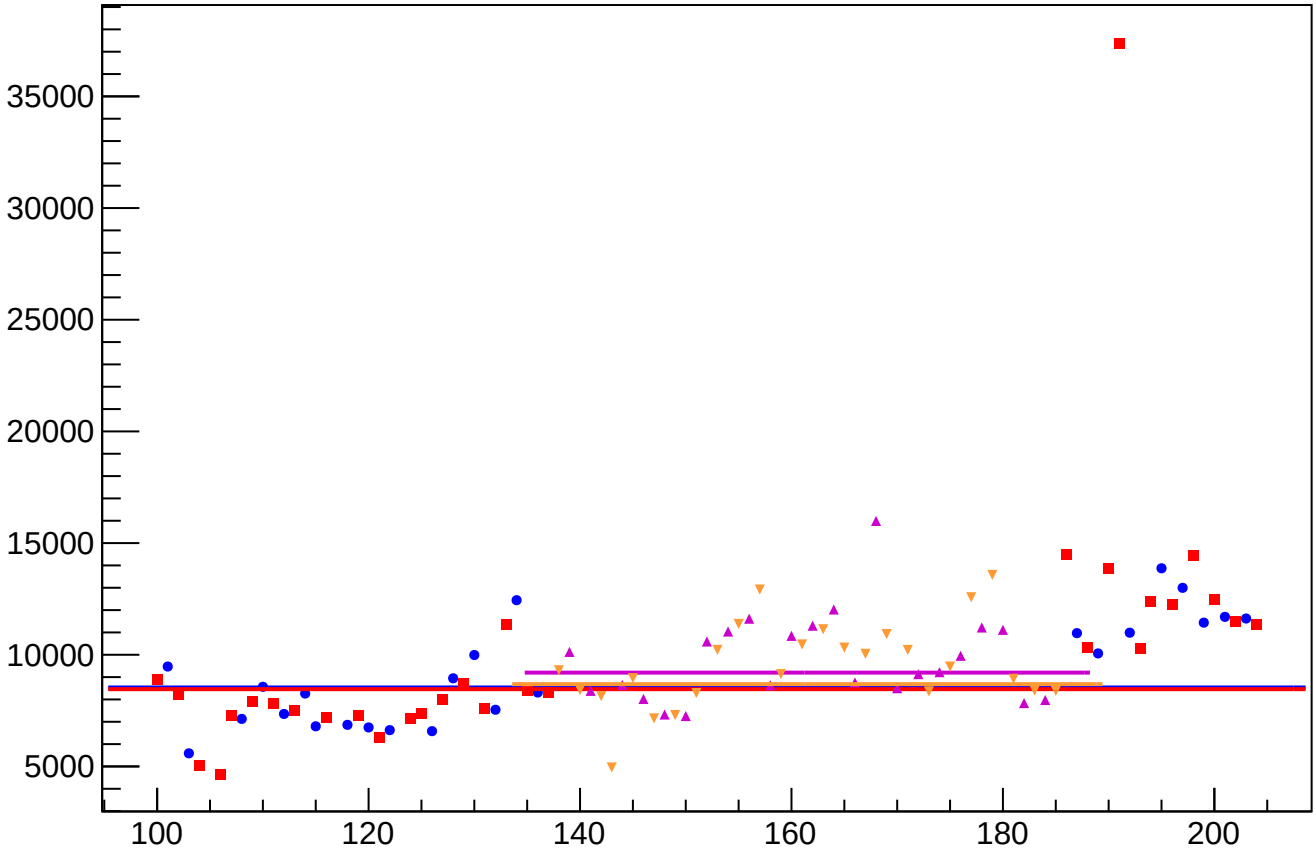
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

\+ sign 2552.106+/-1564.353 χ^2/NDF: 56.3/48

All: -660.491+/-1111.647 χ^2/NDF: 102.3/101

\- sign -3937.580+/-1579.976 χ^2/NDF: 37.5/52

asym_at2_avg_rms vs Slug



Right In: 8535.919+/-1.724 χ^2/NDF: 1728025.8/23

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8460.606+/-1.614 χ^2/NDF: 2534081.3/29

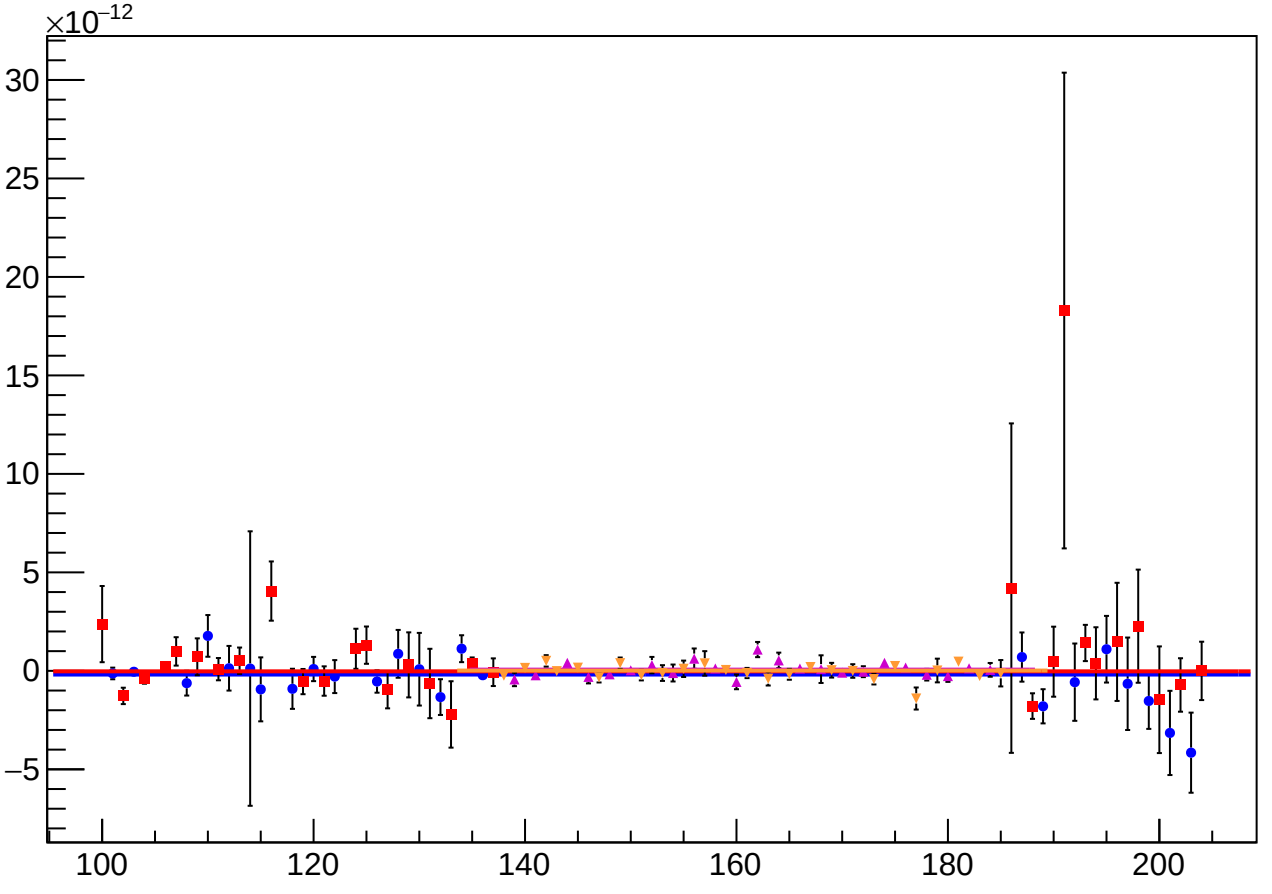
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8623.327+/-1.106 χ^2/NDF: 3784021.5/48

All: 8733.577+/-0.786 χ^2/NDF: 7577146.1/10

- sign 8846.035+/-1.117 χ^2/NDF: 3773057.9/52

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.8/29

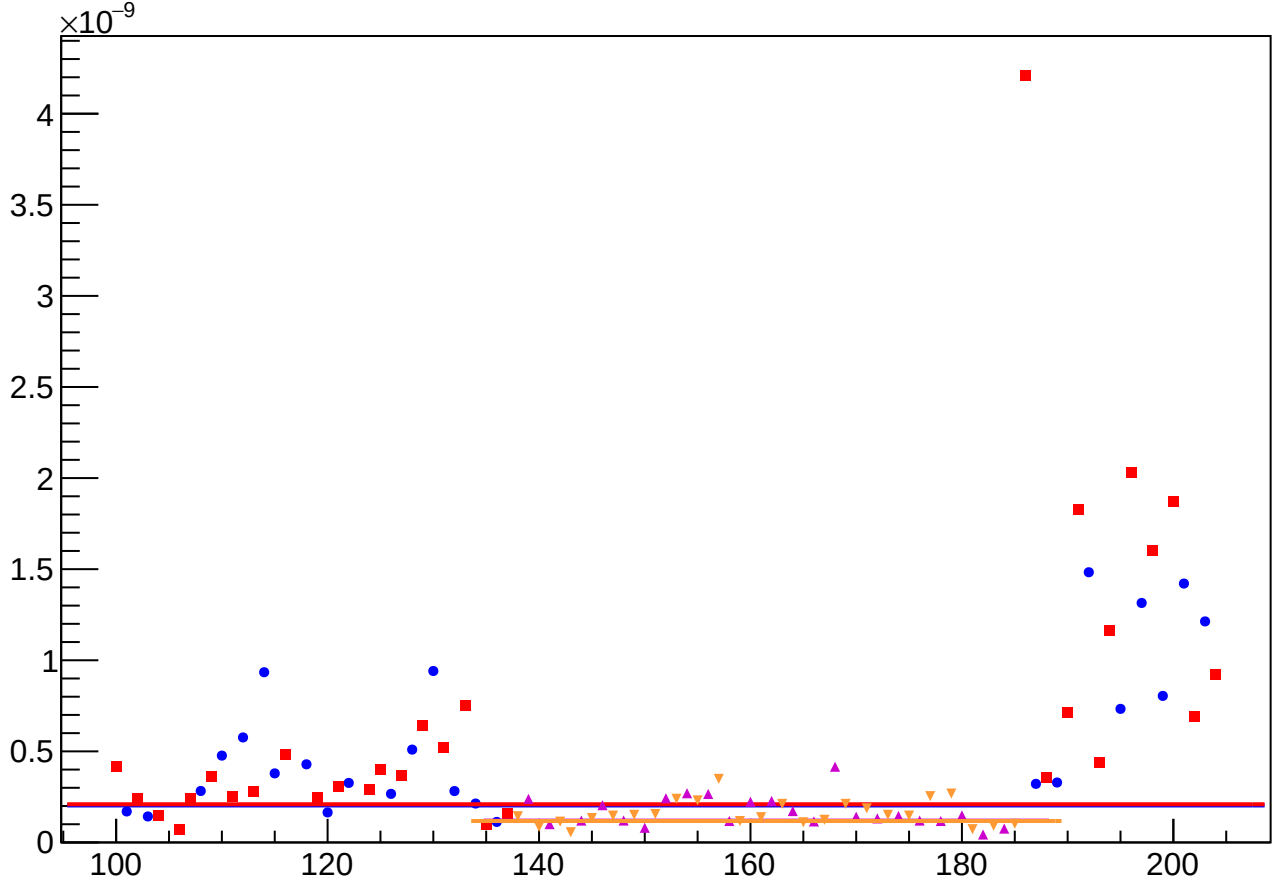
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.4/48

All: 0.000+/-0.000 χ^2/NDF: 130.3/101

- sign 0.000+/-0.000 χ^2/NDF: 75.0/52

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4678647.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5908840.0/29

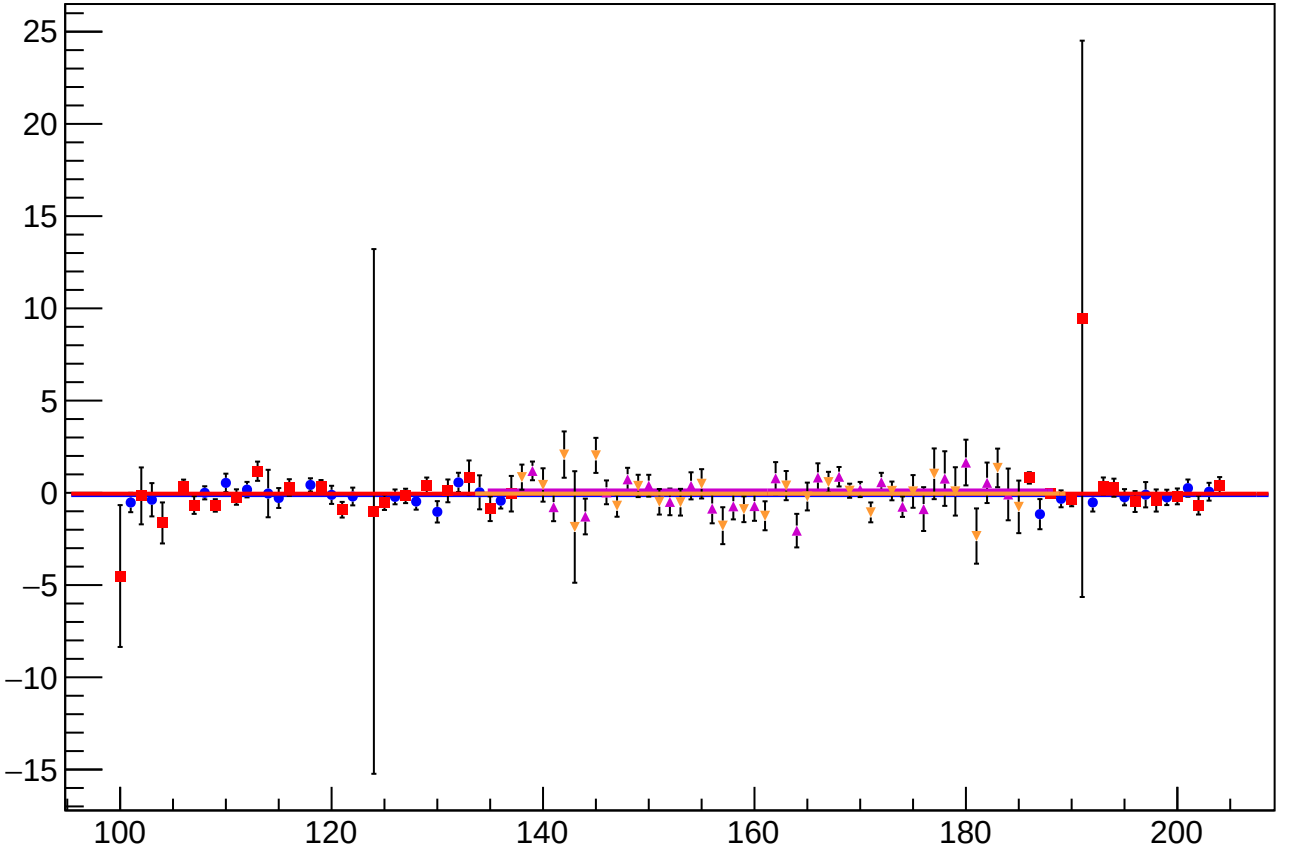
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7923987.1/48

All: 0.000+/-0.000 χ^2/NDF: 17467134.3/101

- sign 0.000+/-0.000 χ^2/NDF: 9535854.6/52

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.123+/-0.100 χ^2/NDF: 14.3/23

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.046+/-0.081 χ^2/NDF: 39.5/29

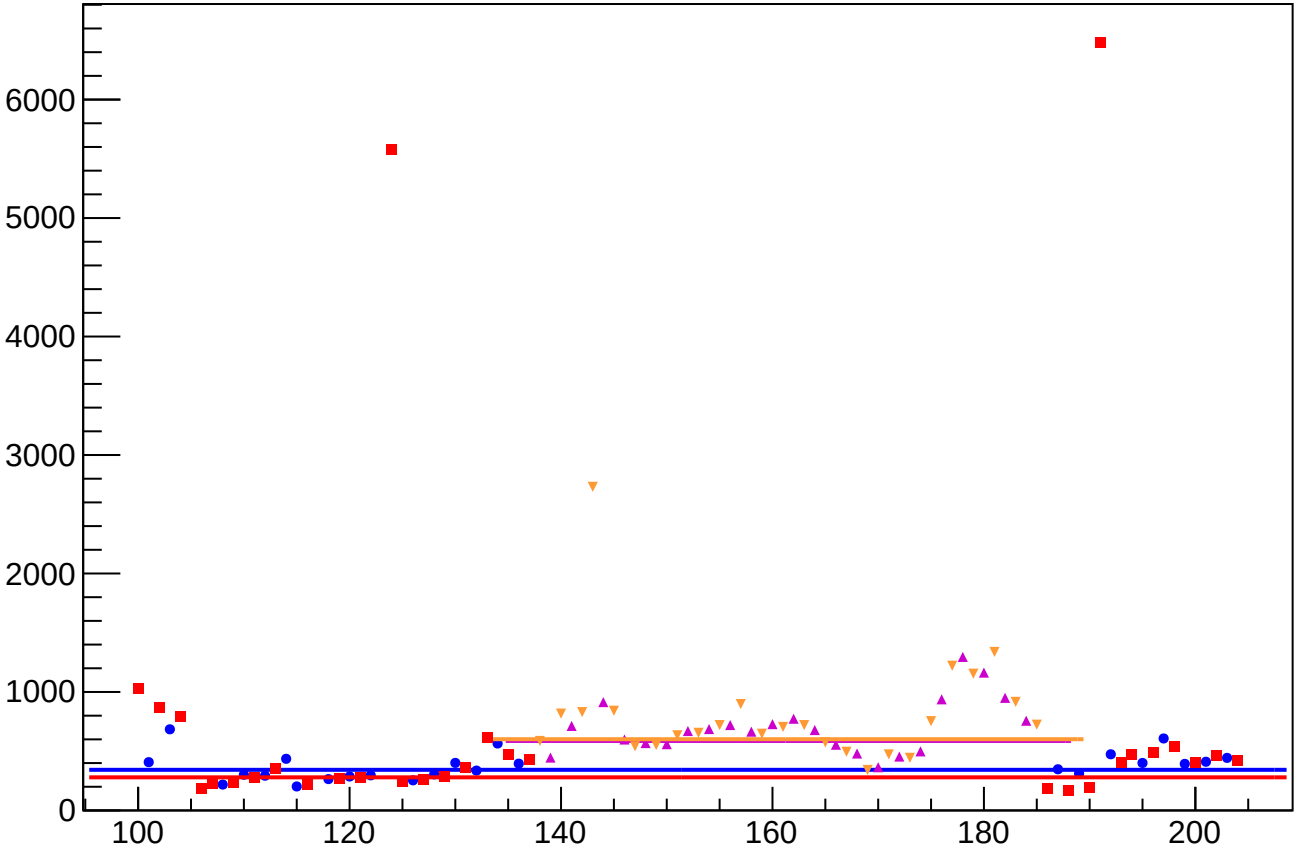
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.097+/-0.083 χ^2/NDF: 44.6/48

All: -0.044+/-0.054 χ^2/NDF: 114.9/101

- sign -0.005+/-0.071 χ^2/NDF: 69.6/52

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 343.044+/-0.071 χ^2/NDF: 1810973.5/23

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 279.501+/-0.058 χ^2/NDF: 4979185.5/29

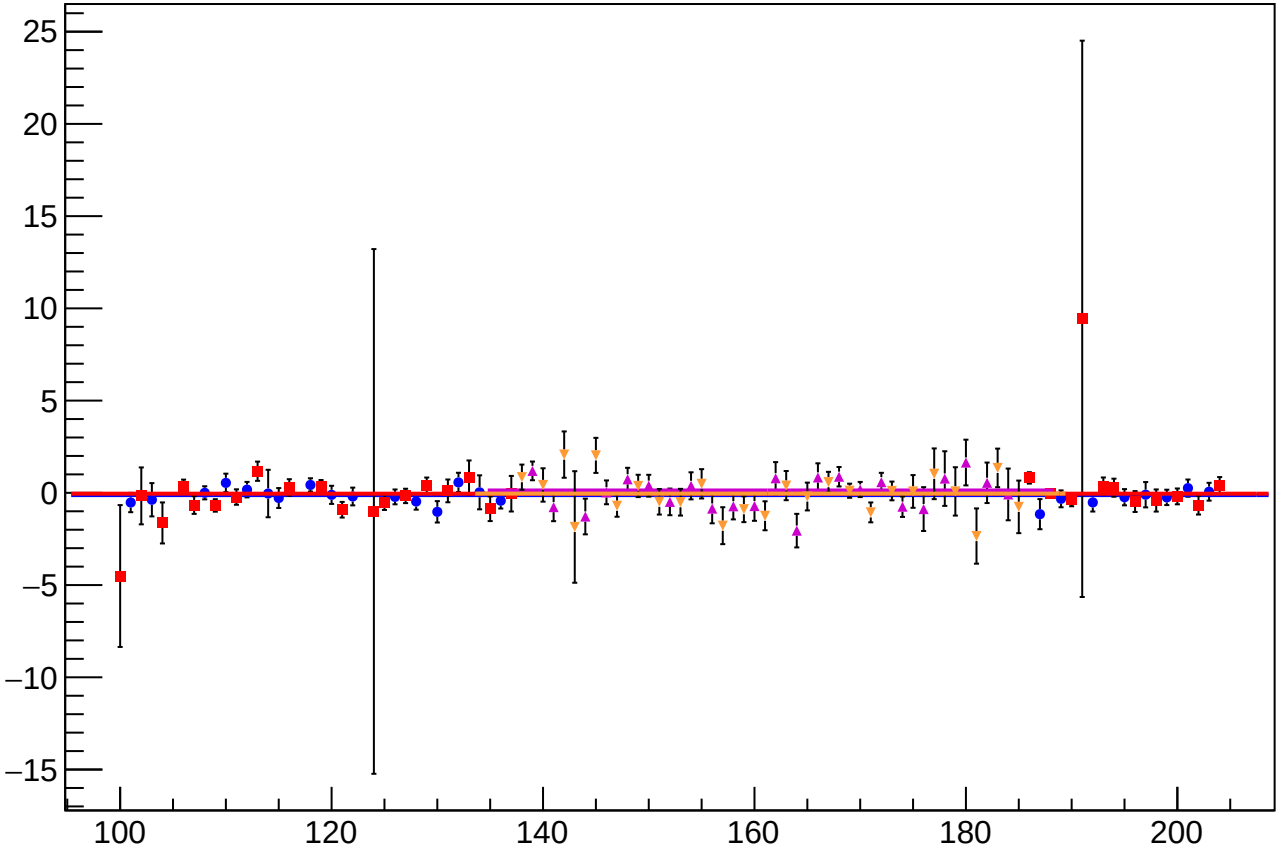
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 424.524+/-0.059 χ^2/NDF: 10463865.5/48

All: 383.267+/-0.038 χ^2/NDF: 26054100.8/10

- sign 352.984+/-0.050 χ^2/NDF: 14730724.6/52

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.123+/-0.100 χ^2/NDF: 14.3/23

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.046+/-0.081 χ^2/NDF: 39.5/29

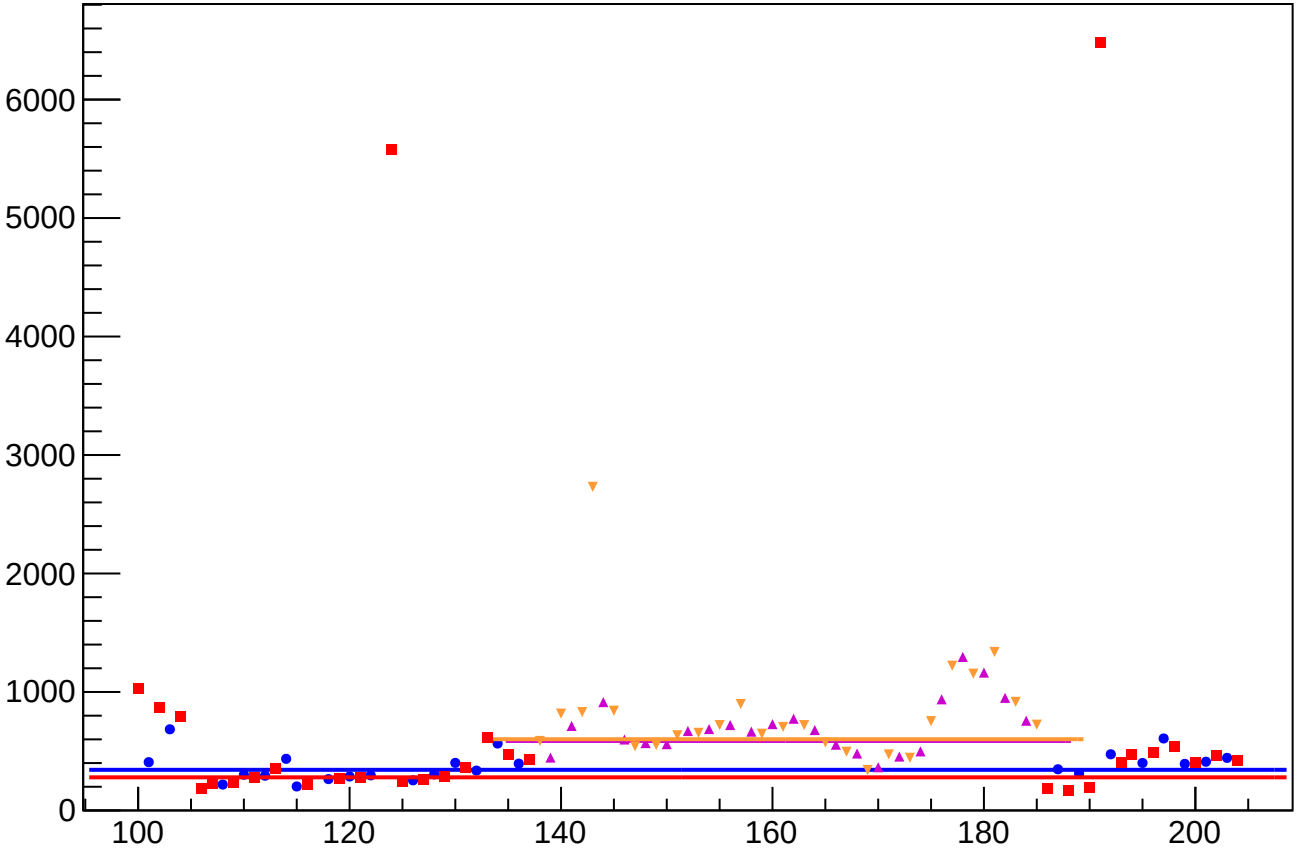
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.097+/-0.083 χ^2/NDF: 44.6/48

All: -0.044+/-0.054 χ^2/NDF: 114.9/101

- sign -0.005+/-0.071 χ^2/NDF: 69.6/52

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 343.044+/-0.071 χ^2/NDF: 1810973.5/23

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

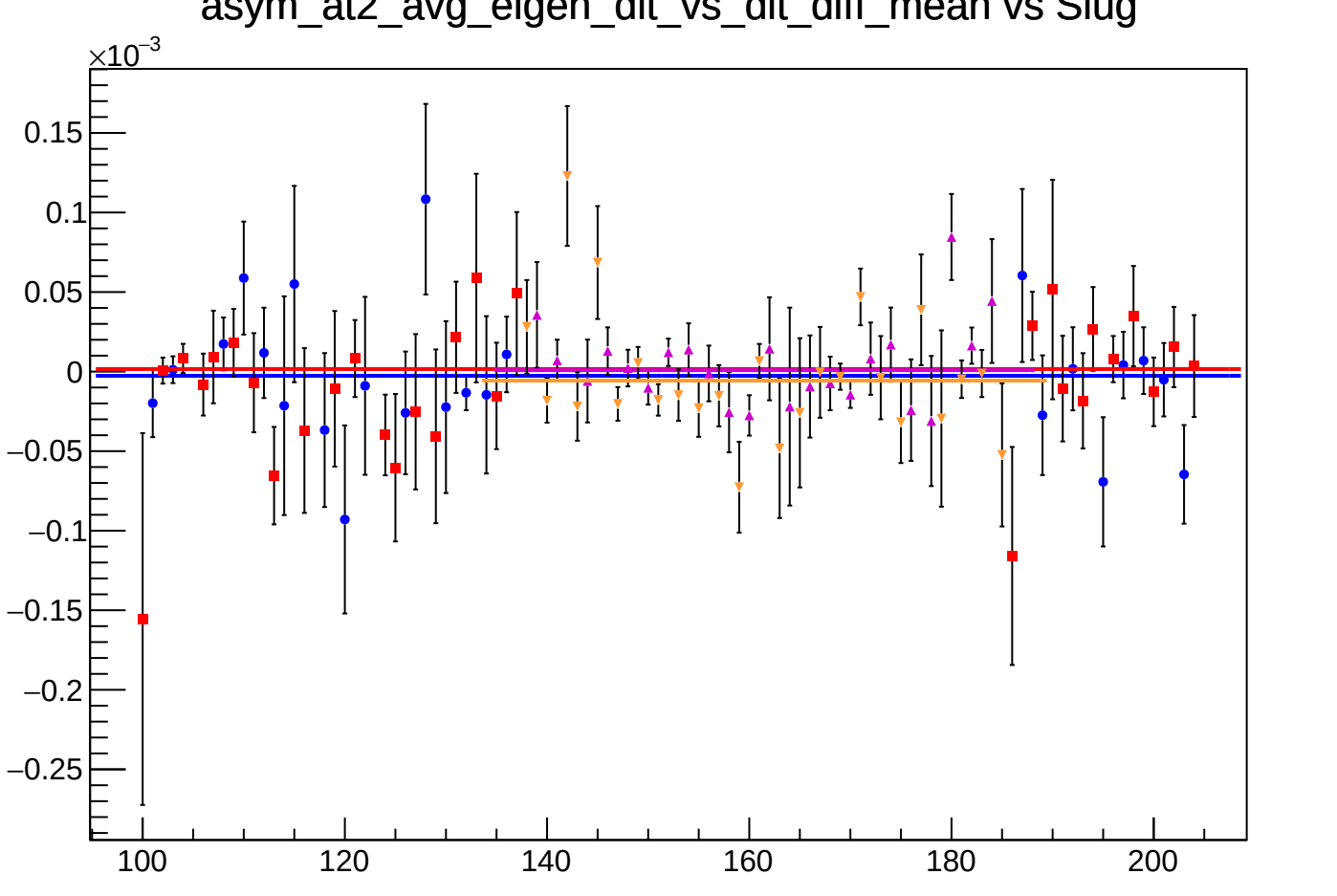
Right Out: 279.501+/-0.058 χ^2/NDF: 4979185.5/29

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 424.524+/-0.059 χ^2/NDF: 10463865.5/48

All: 383.267+/-0.038 χ^2/NDF: 26054100.8/10

- sign 352.984+/-0.050 χ^2/NDF: 14730724.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 23.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

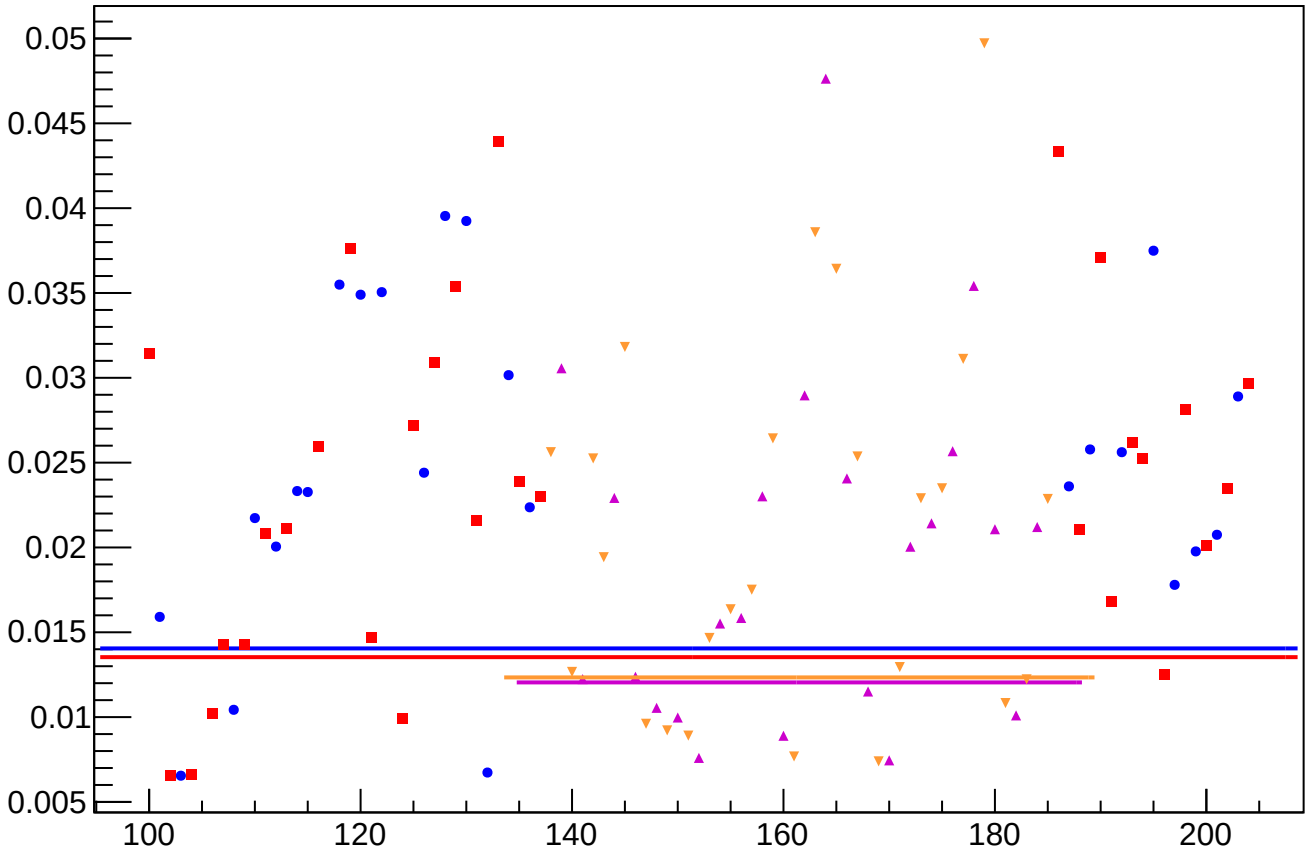
Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/29

Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.3/48

All: -0.000+/-0.000 χ^2/NDF: 124.0/101

- sign 0.000+/-0.000 χ^2/NDF: 55.2/52



Right In: 0.014+/-0.000 χ^2/NDF: 7338037.9/23

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 8194126.3/29

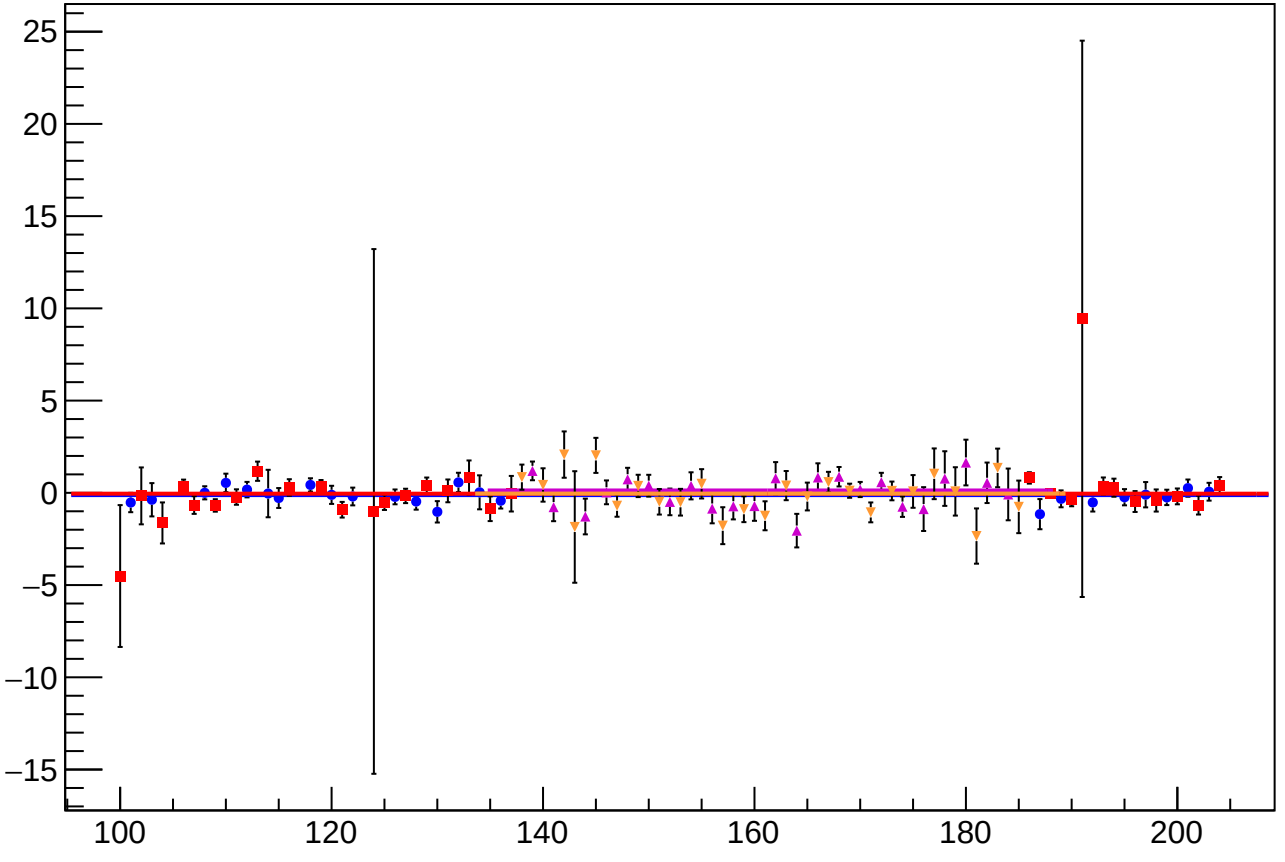
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 15357874.5/48

All: 0.013+/-0.000 χ^2/NDF: 30102522.8/101

- sign 0.013+/-0.000 χ^2/NDF: 14733718.8/52

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.123+/-0.100 χ^2/NDF: 14.3/23

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.046+/-0.081 χ^2/NDF: 39.5/29

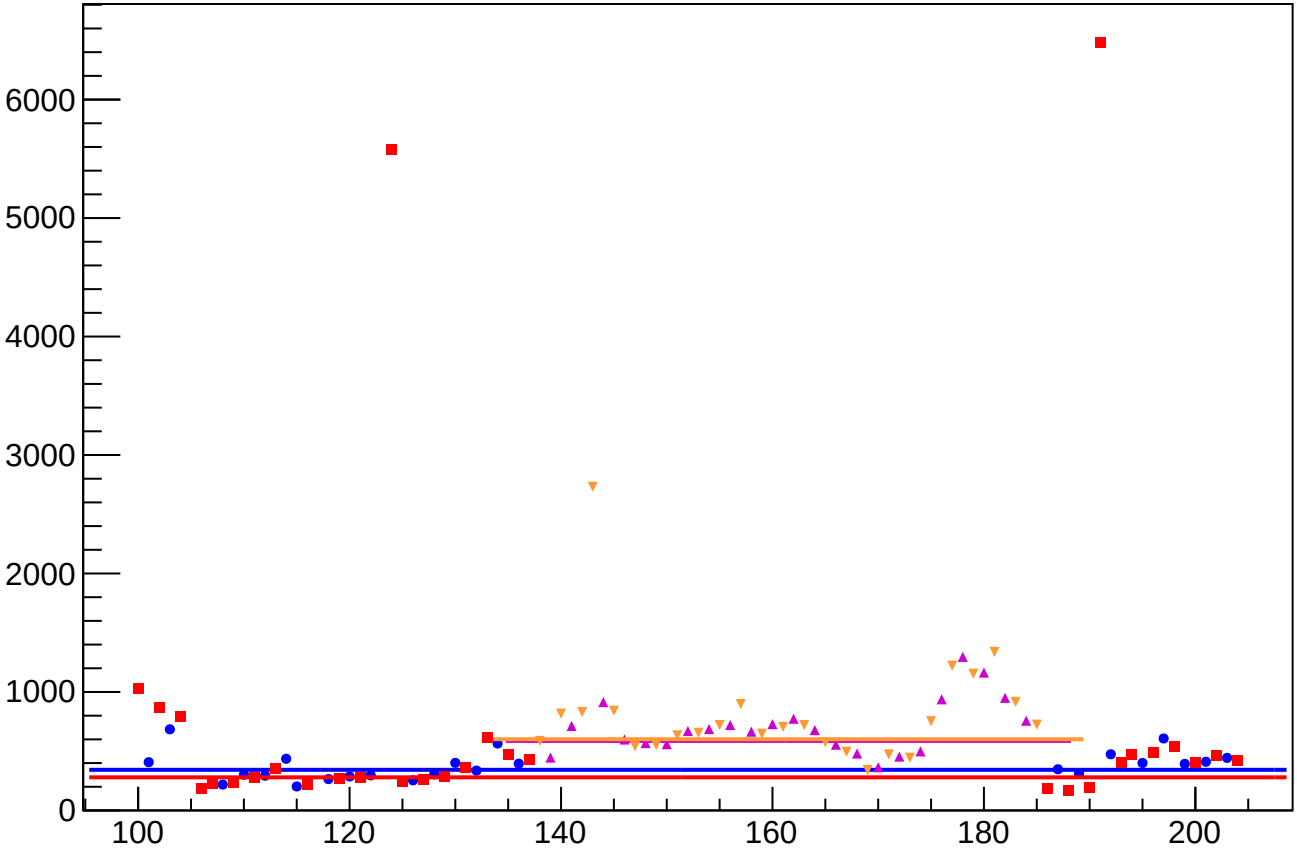
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.097+/-0.083 χ^2/NDF: 44.6/48

All: -0.044+/-0.054 χ^2/NDF: 114.9/101

- sign -0.005+/-0.071 χ^2/NDF: 69.6/52

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 343.043+/-0.071 χ^2/NDF: 1810969.5/23

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

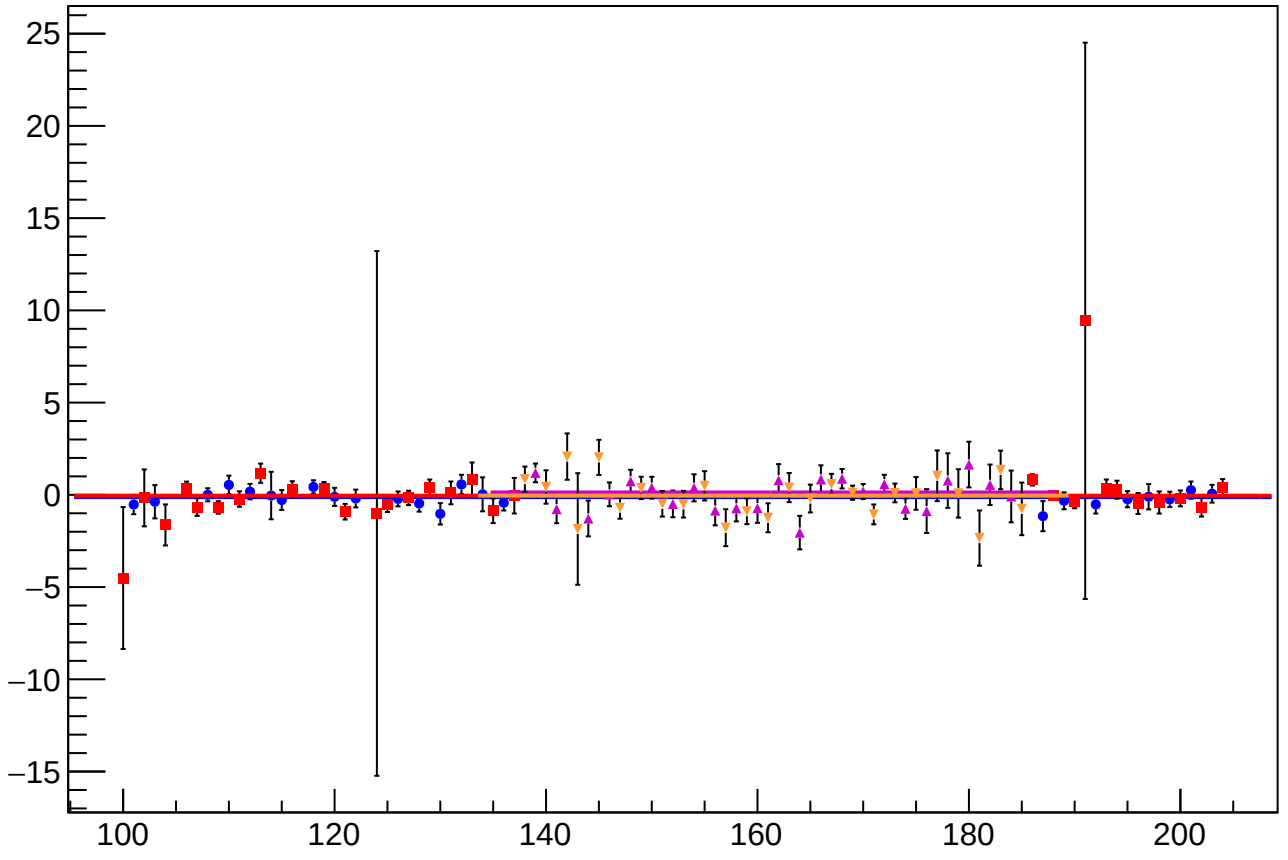
Right Out: 279.494+/-0.058 χ^2/NDF: 4979516.4/29

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 424.523+/-0.059 χ^2/NDF: 10464098.8/48

All: 383.262+/-0.038 χ^2/NDF: 26055343.2/10

- sign 352.977+/-0.050 χ^2/NDF: 14731588.5/52



Right In: -0.123+/-0.100 χ^2/NDF: 14.3/23

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

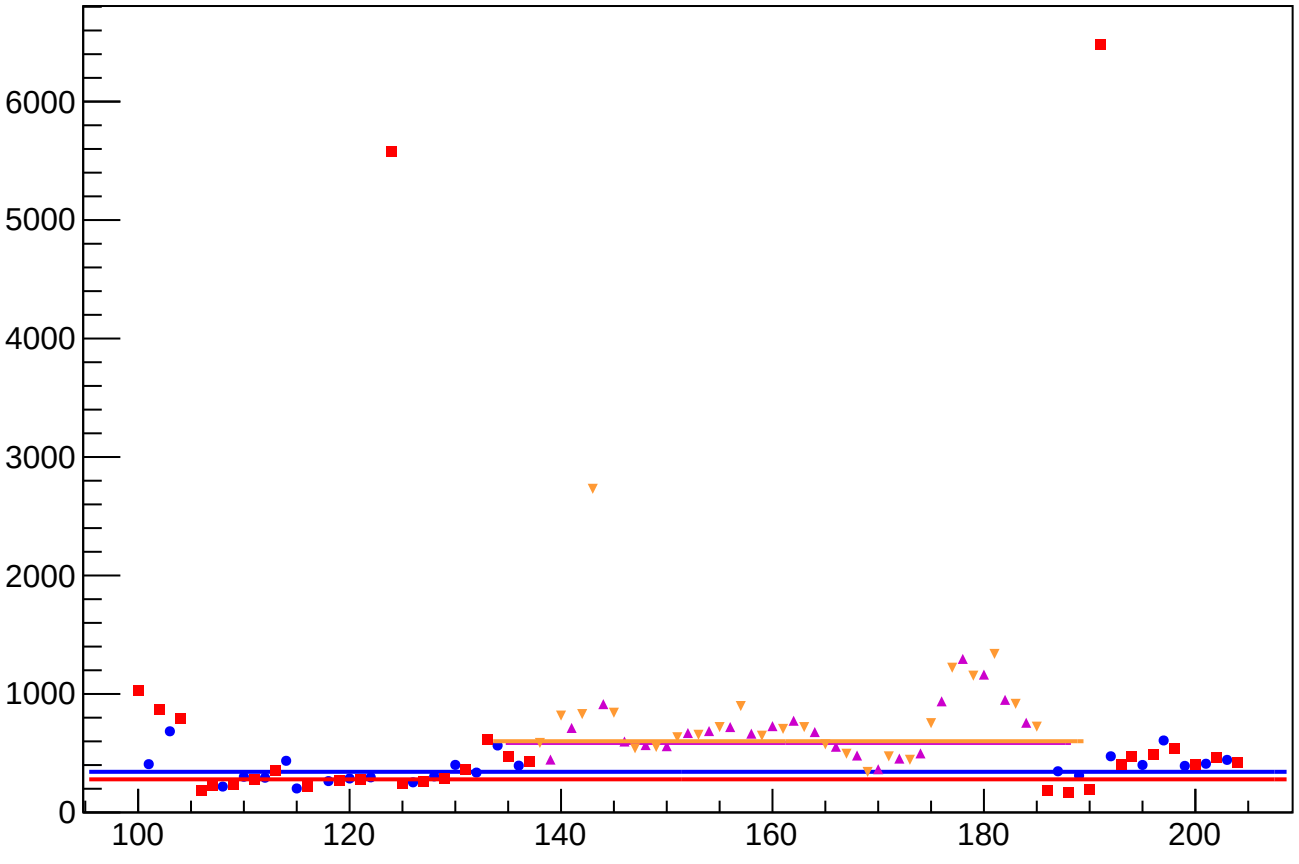
Right Out: -0.046+/-0.081 χ^2/NDF: 39.5/29

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.097+/-0.083 χ^2/NDF: 44.6/48

All: -0.044+/-0.054 χ^2/NDF: 114.9/101

- sign -0.005+/-0.071 χ^2/NDF: 69.6/52



Right In: 343.043+/-0.071 χ^2/NDF: 1810969.5/23

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 279.494+/-0.058 χ^2/NDF: 4979516.4/29

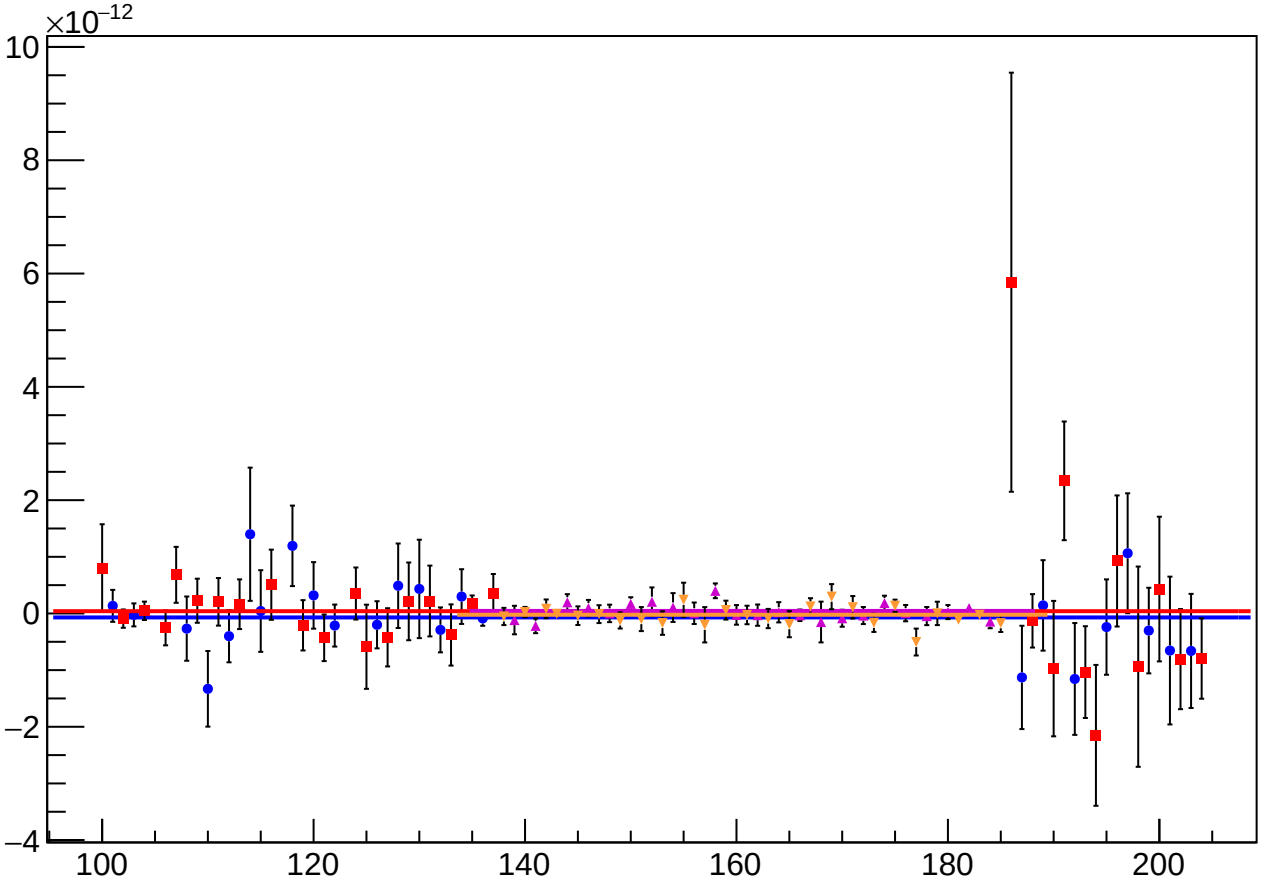
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 424.523+/-0.059 χ^2/NDF: 10464098.8/48

All: 383.262+/-0.038 χ^2/NDF: 26055343.2/10

- sign 352.977+/-0.050 χ^2/NDF: 14731588.5/52

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

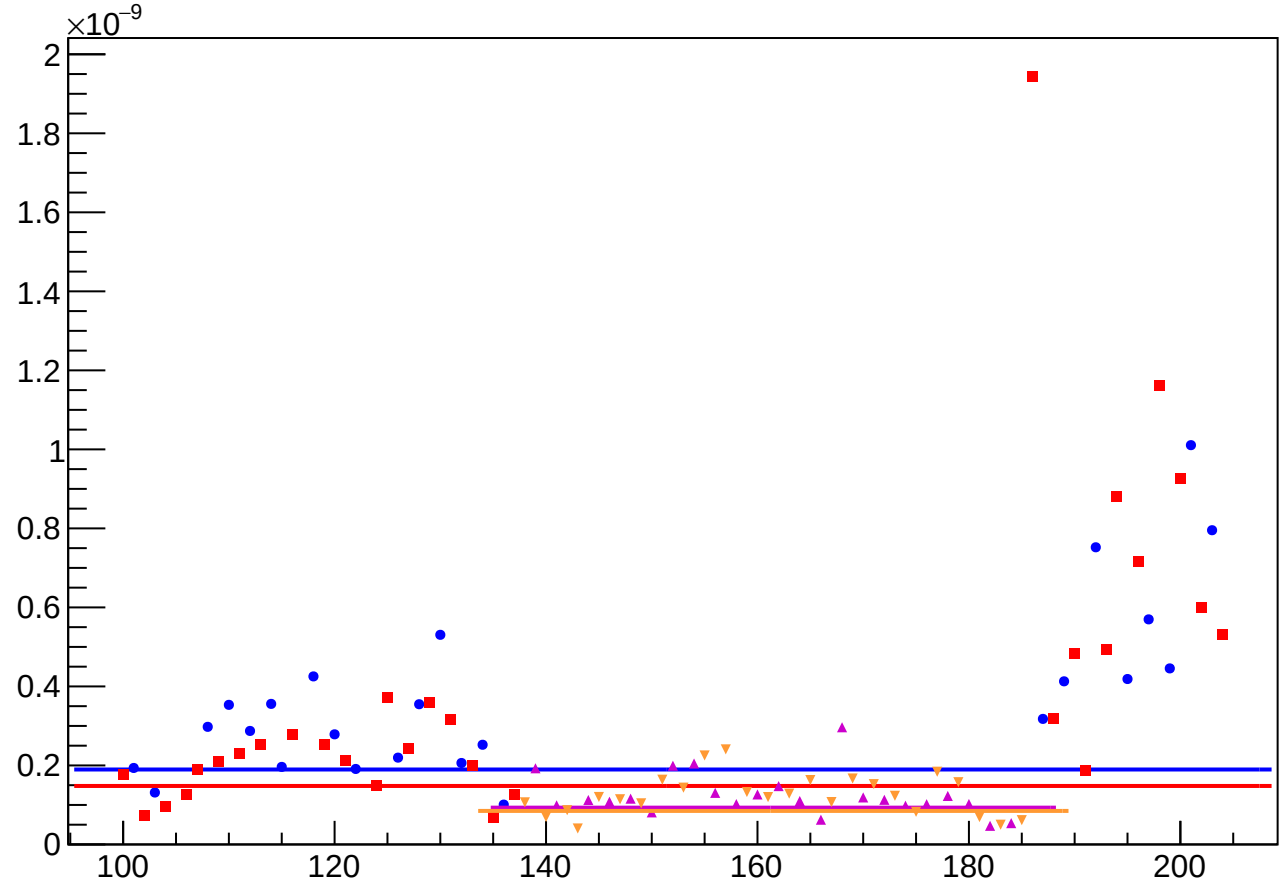
Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/29

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.1/48

All: 0.000+/-0.000 χ^2/NDF: 86.8/101

- sign 0.000+/-0.000 χ^2/NDF: 49.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 5132864.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7368005.1/29

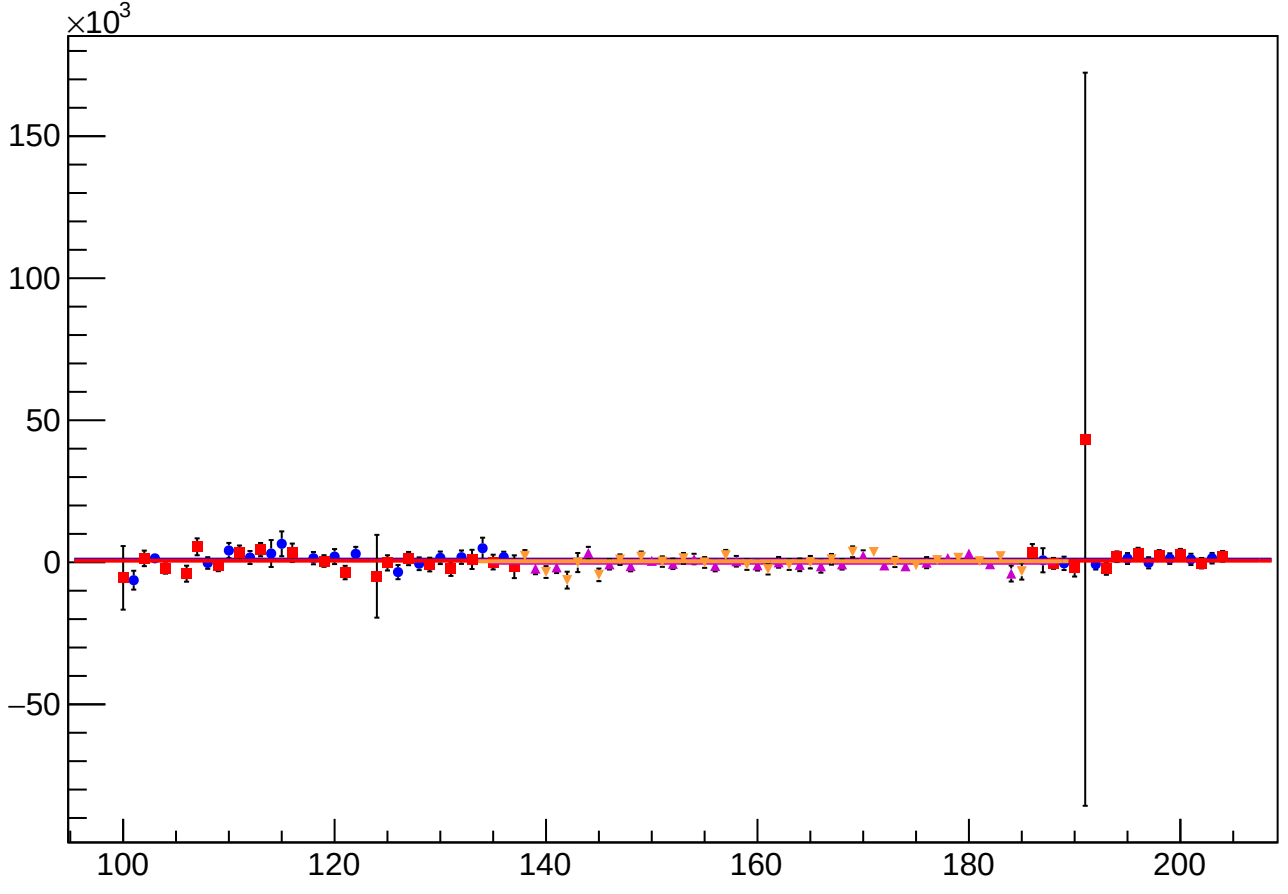
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 13496275.2/48

All: 0.000+/-0.000 χ^2/NDF: 25917584.0/101

- sign 0.000+/-0.000 χ^2/NDF: 12351201.2/52

reg_asym_at2_dd_mean vs Slug



Right In: 931.456+/-466.992 χ^2/NDF: 16.2/23

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 584.645+/-440.739 χ^2/NDF: 28.6/29

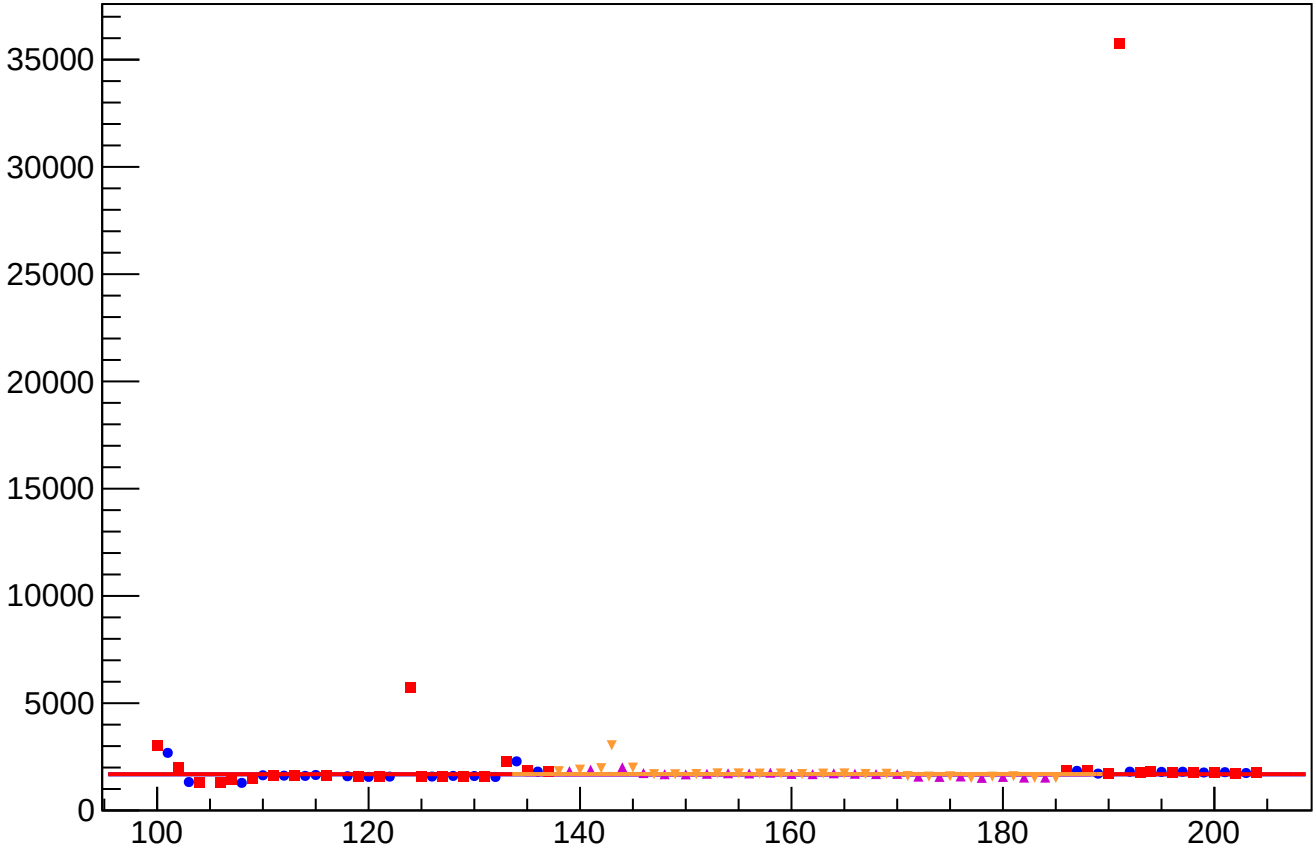
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 594.444+/-298.494 χ^2/NDF: 46.6/48

All: 380.237+/-209.404 χ^2/NDF: 93.8/101

- sign 172.649+/-293.846 χ^2/NDF: 46.2/52

reg_asym_at2_dd_rms vs Slug



Right In: 1682.184+/-0.330 χ^2/NDF: 469683.4/23

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

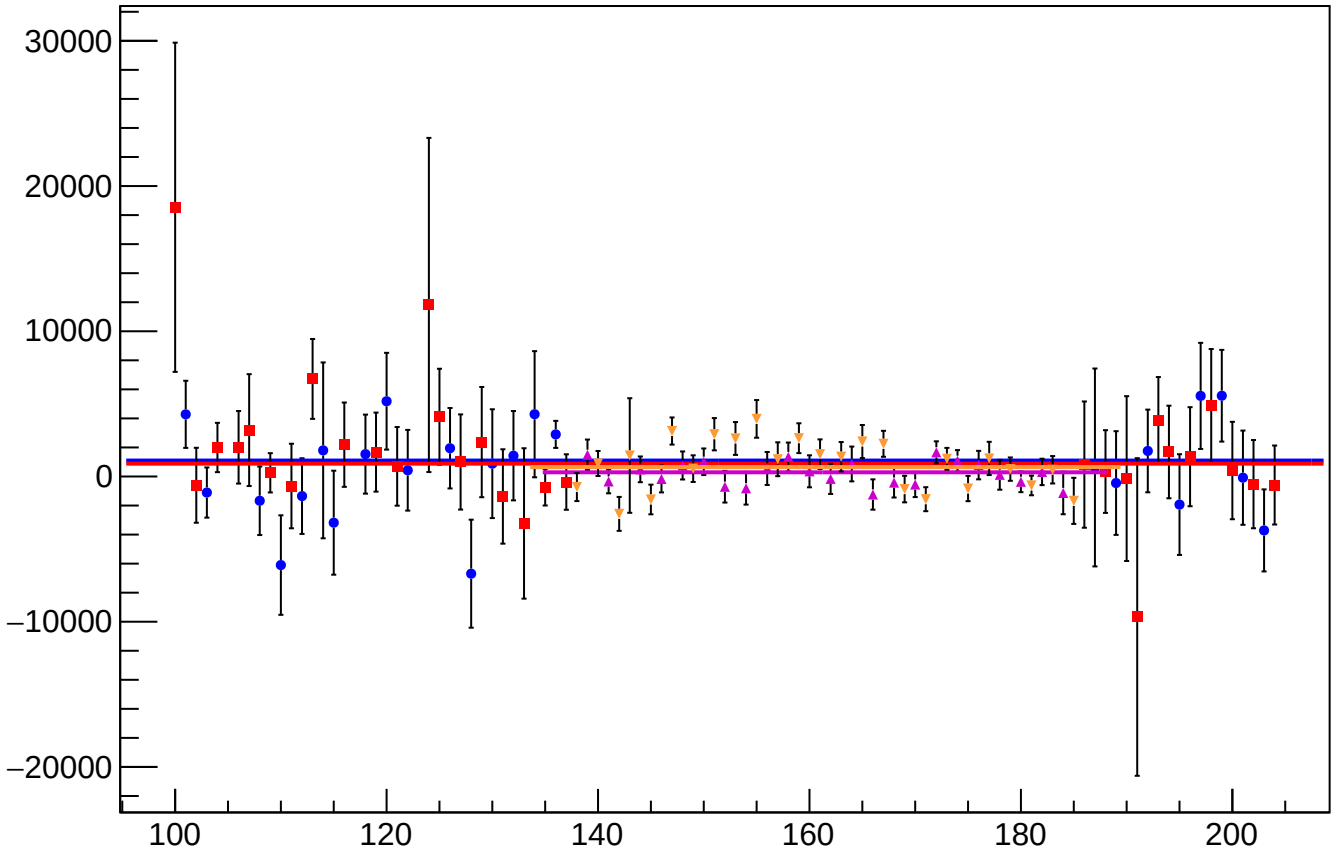
Right Out: 1691.102+/-0.312 χ^2/NDF: 670828.1/29

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1691.240+/-0.211 χ^2/NDF: 966352.9/48

All: 1689.329+/-0.148 χ^2/NDF: 1802941.6/10

- sign 1687.477+/-0.208 χ^2/NDF: 836427.3/52



Right In: 1096.625+/-520.975 χ^2/NDF: 29.5/23

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 885.120+/-492.135 χ^2/NDF: 17.9/29

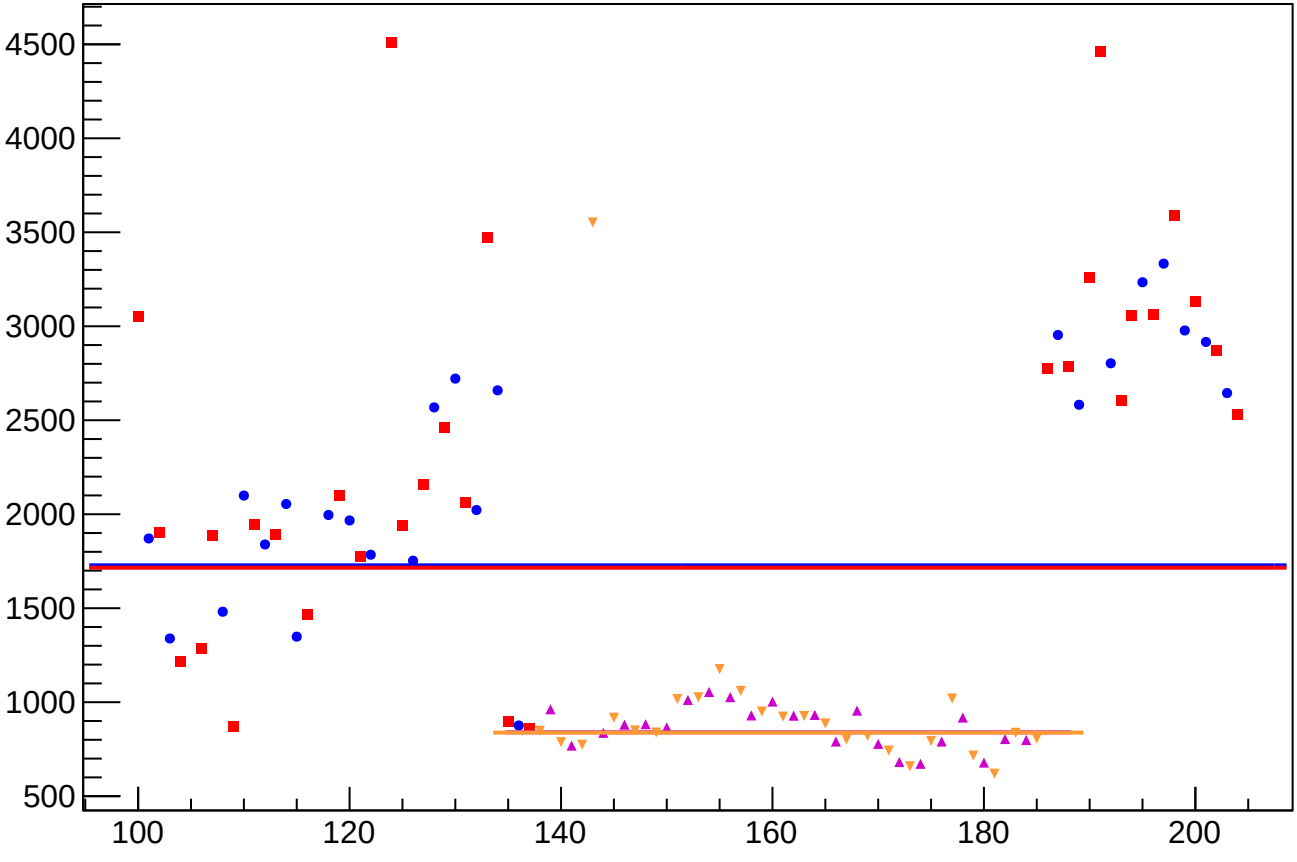
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

\+ sign 704.482+/-183.177 χ^2/NDF: 95.7/48

All: 539.101+/-129.845 χ^2/NDF: 133.1/101

\- sign 372.076+/-184.085 χ^2/NDF: 35.7/52

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1728.146+/-0.368 χ^2/NDF: 4266564.4/23

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1715.558+/-0.348 χ^2/NDF: 5679378.0/29

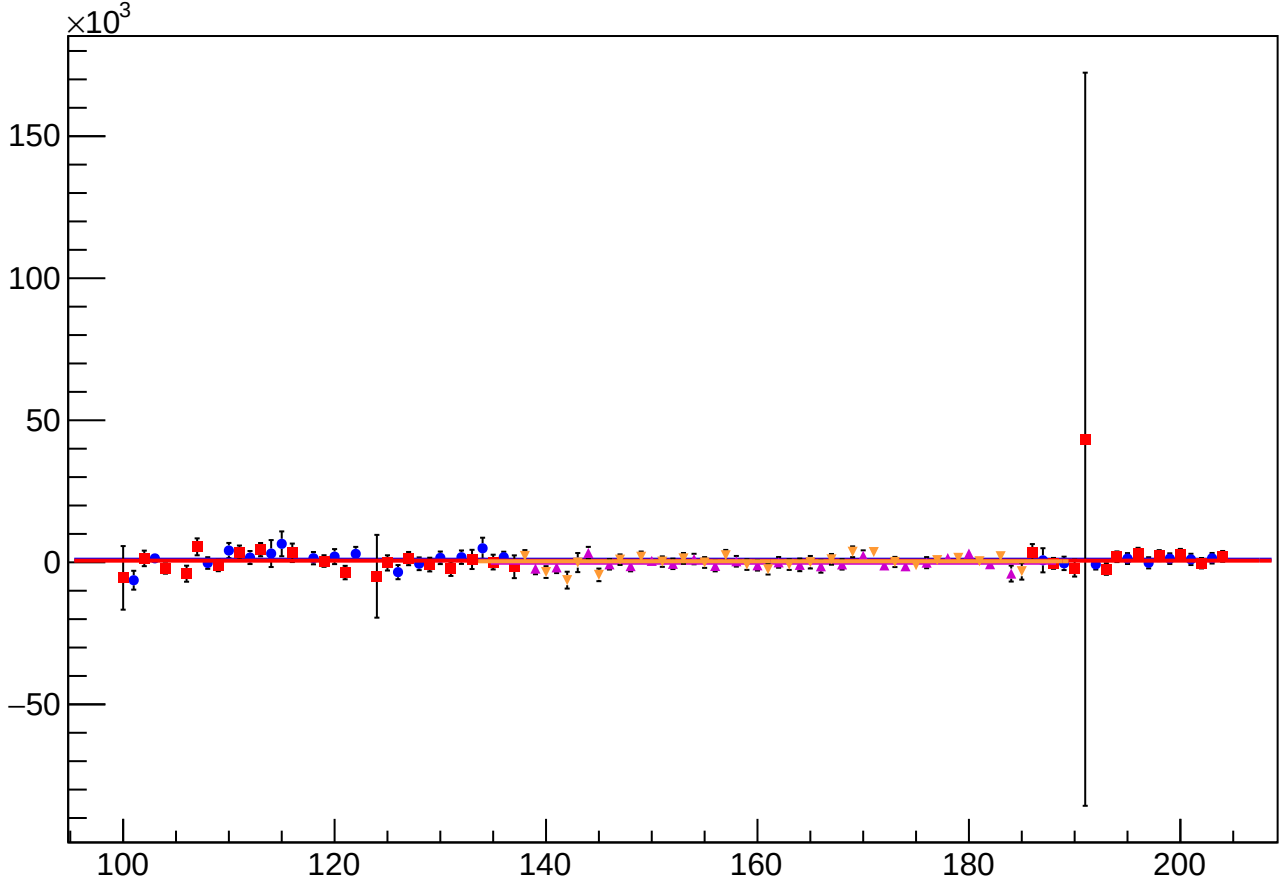
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 948.257+/-0.130 χ^2/NDF: 11180928.9/48

All: 955.335+/-0.092 χ^2/NDF: 22980635.7/10

- sign 962.484+/-0.130 χ^2/NDF: 11793704.1/52

cor_asym_at2_dd_mean vs Slug



Right In: 931.483+/-466.992 χ^2/NDF: 16.2/23

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 584.817+/-440.739 χ^2/NDF: 28.6/29

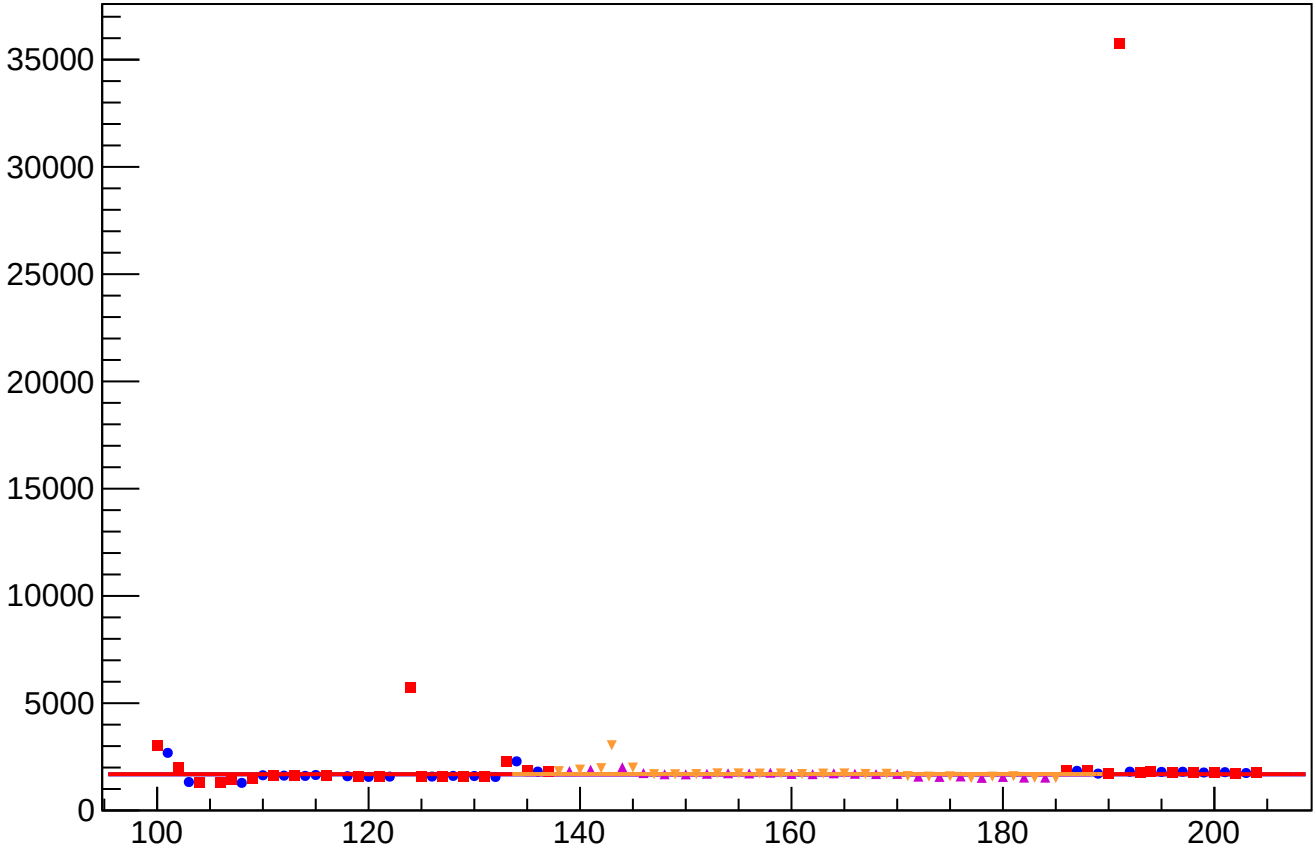
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 594.405+/-298.494 χ^2/NDF: 46.6/48

All: 380.283+/-209.404 χ^2/NDF: 93.8/101

- sign 172.778+/-293.846 χ^2/NDF: 46.2/52

cor_asym_at2_dd_rms vs Slug



Right In: 1682.184+/-0.330 χ^2/NDF: 469683.7/23

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

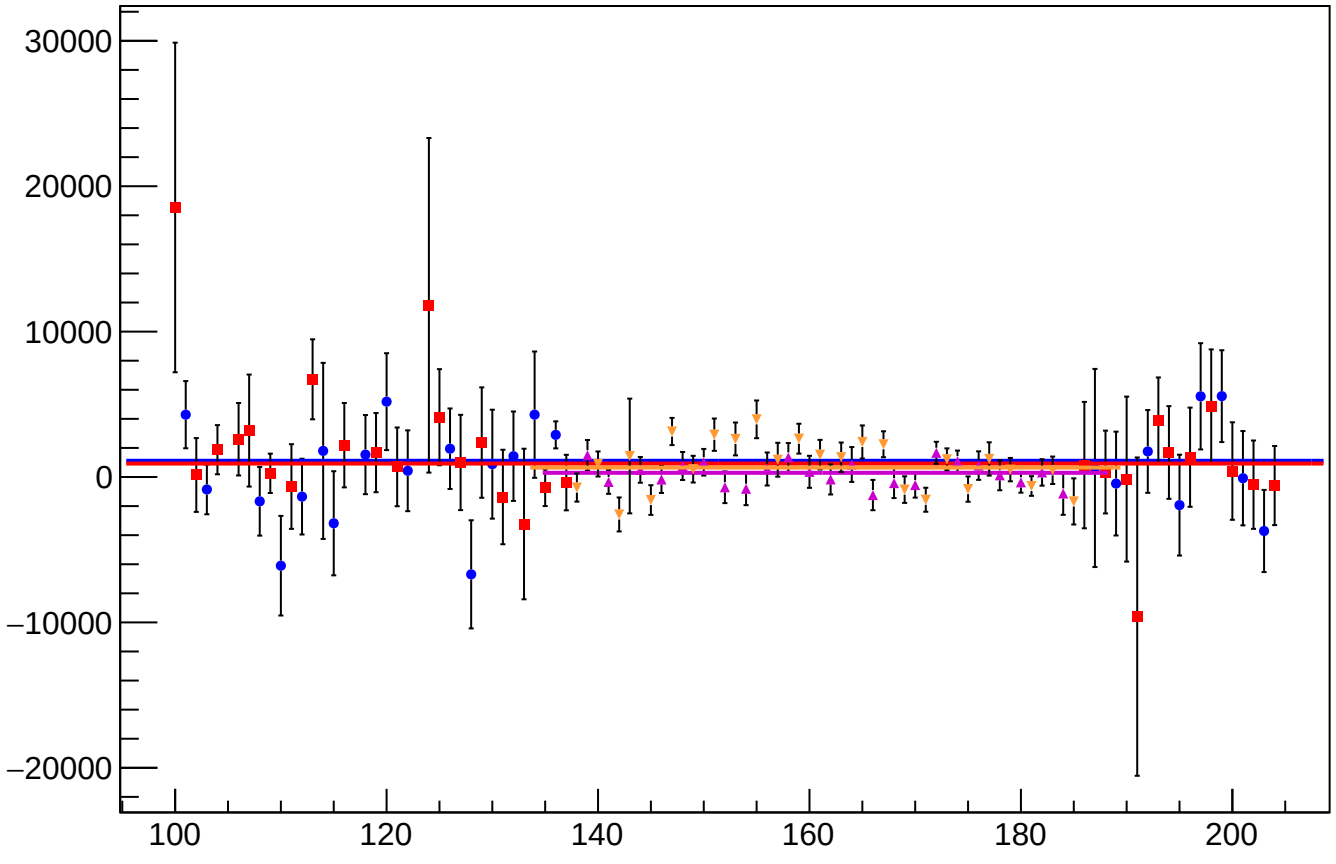
Right Out: 1691.102+/-0.312 χ^2/NDF: 670828.3/29

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1691.240+/-0.211 χ^2/NDF: 966353.2/48

All: 1689.329+/-0.148 χ^2/NDF: 1802942.1/10

- sign 1687.477+/-0.208 χ^2/NDF: 836427.4/52



Right In: 1115.363+/-520.377 χ^2/NDF: 29.2/23

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 925.472+/-491.604 χ^2/NDF: 17.8/29

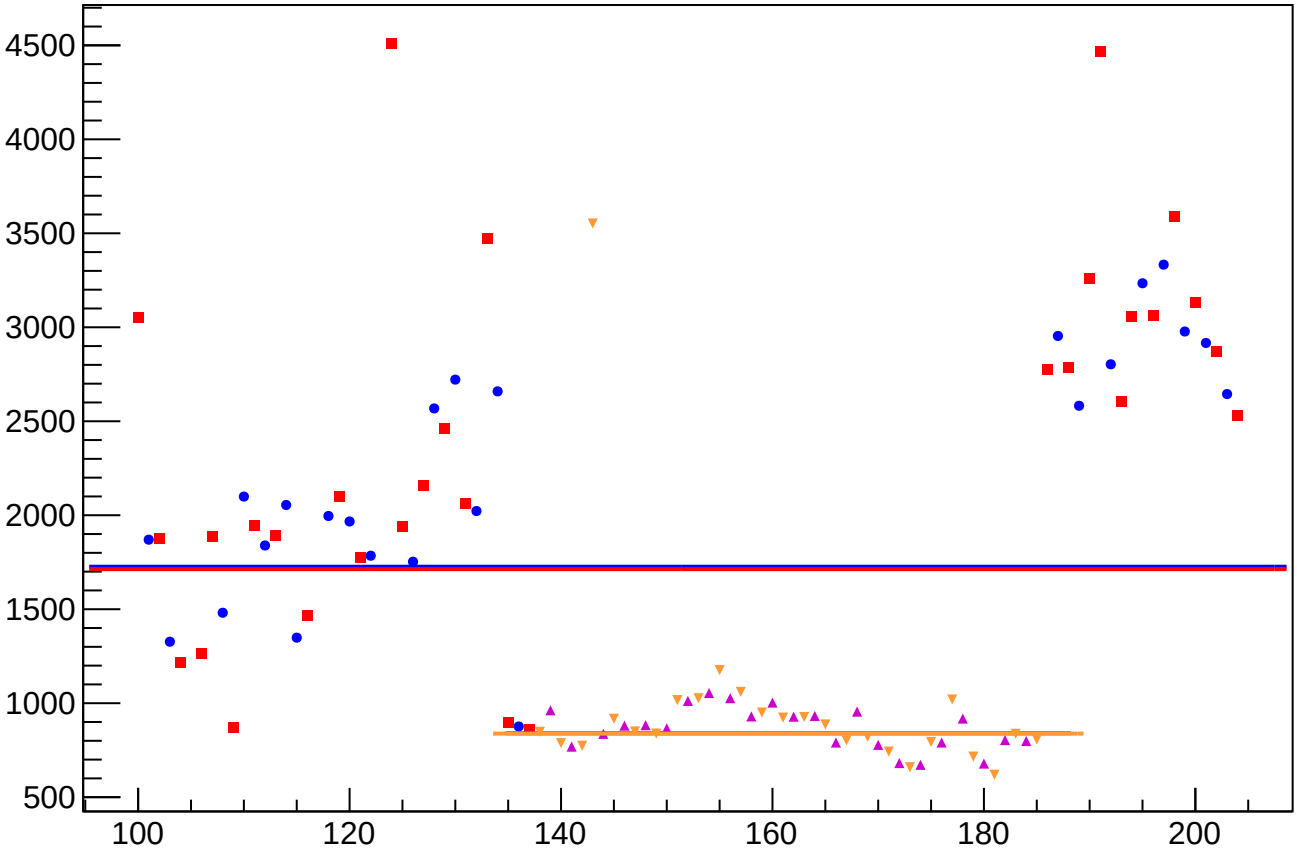
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 706.916+/-183.153 χ^2/NDF: 95.5/48

All: 543.207+/-129.827 χ^2/NDF: 132.9/101

- sign 377.876+/-184.057 χ^2/NDF: 35.8/52

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1726.140+/-0.368 χ^2/NDF: 4275280.3/23

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1713.240+/-0.348 χ^2/NDF: 5686190.5/29

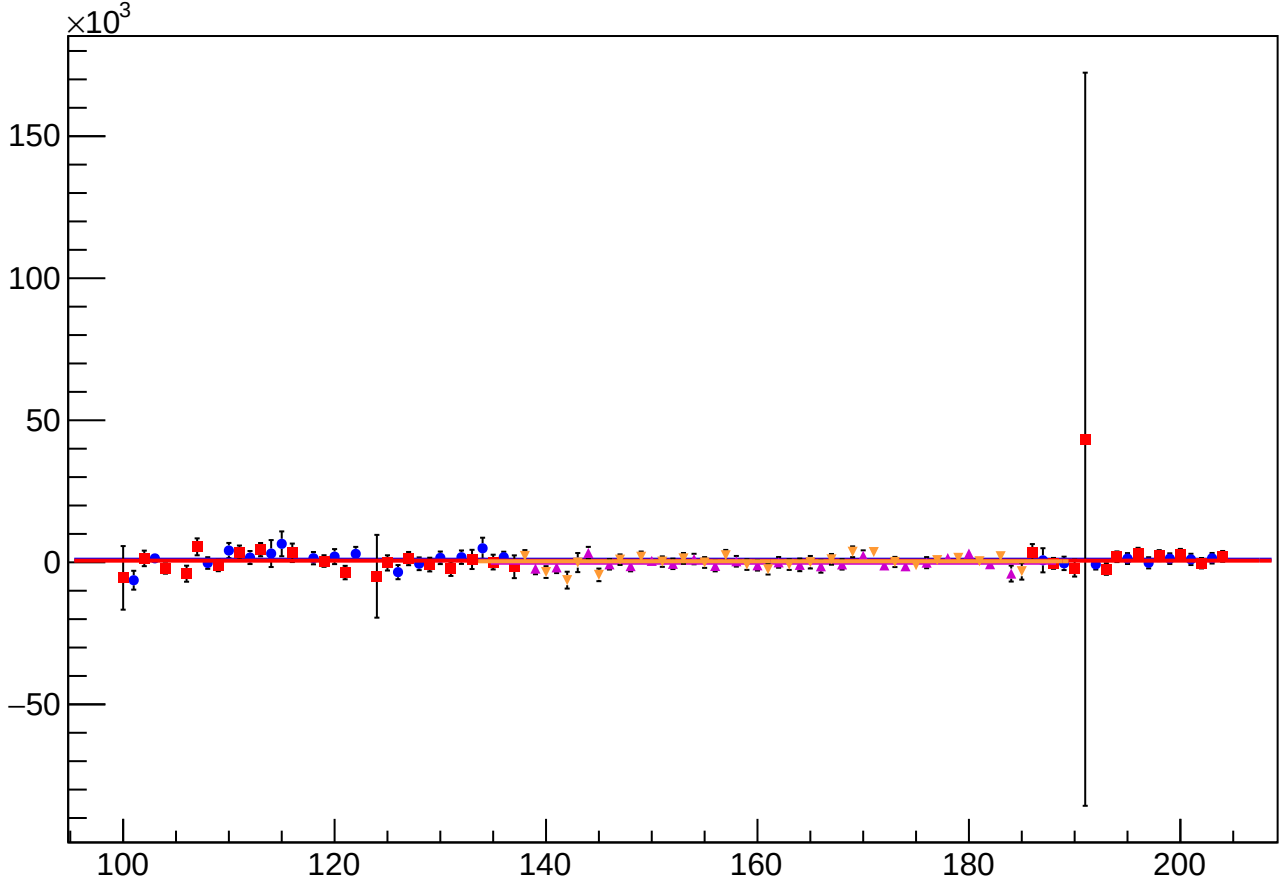
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 948.243+/-0.130 χ^2/NDF: 11176631.5/48

All: 955.281+/-0.092 χ^2/NDF: 22964318.6/10

- sign 962.389+/-0.130 χ^2/NDF: 11781750.6/52

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 931.483+/-466.992 χ^2/NDF: 16.2/23

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 584.817+/-440.739 χ^2/NDF: 28.6/29

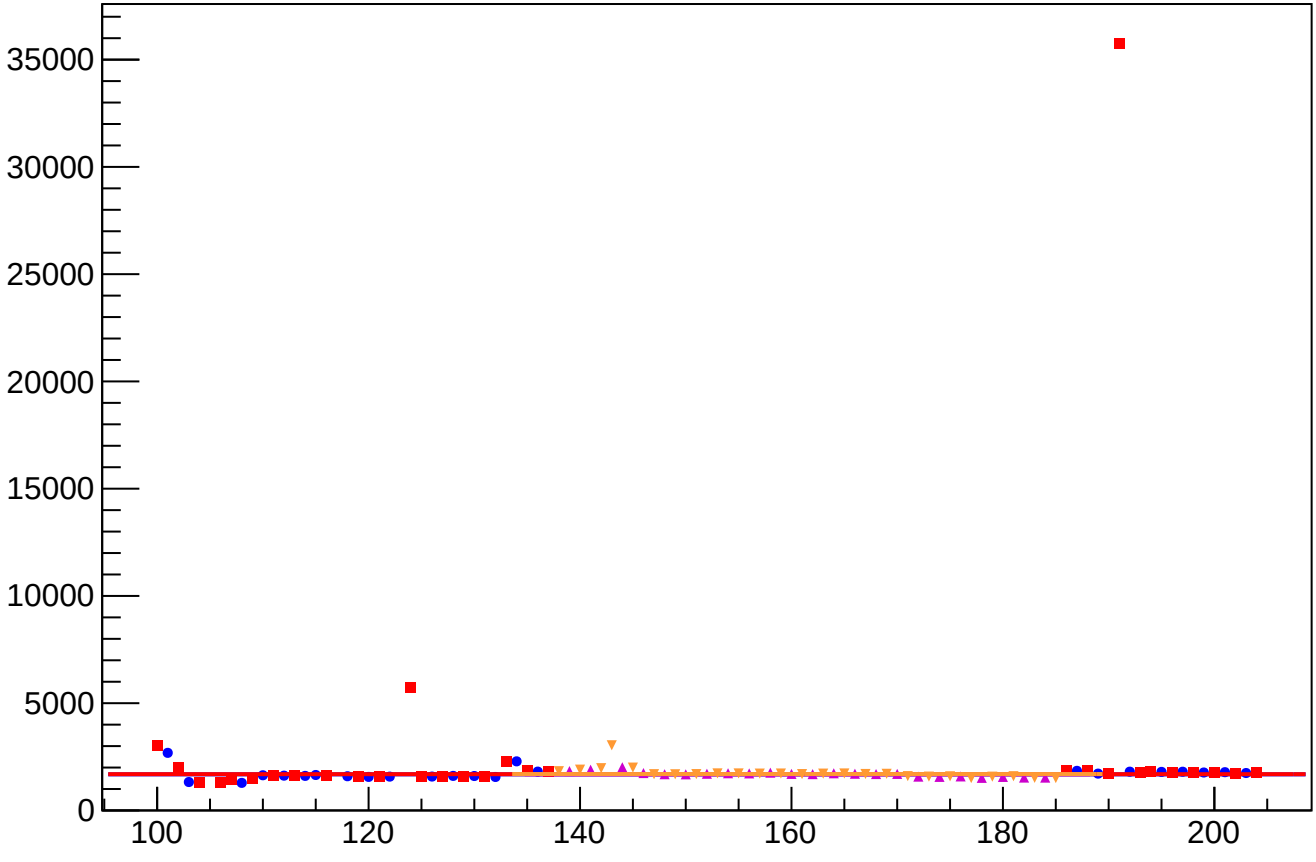
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 594.405+/-298.494 χ^2/NDF: 46.6/48

All: 380.283+/-209.404 χ^2/NDF: 93.8/101

- sign 172.778+/-293.846 χ^2/NDF: 46.2/52

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1682.184+/-0.330 χ^2/NDF: 469683.7/23

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

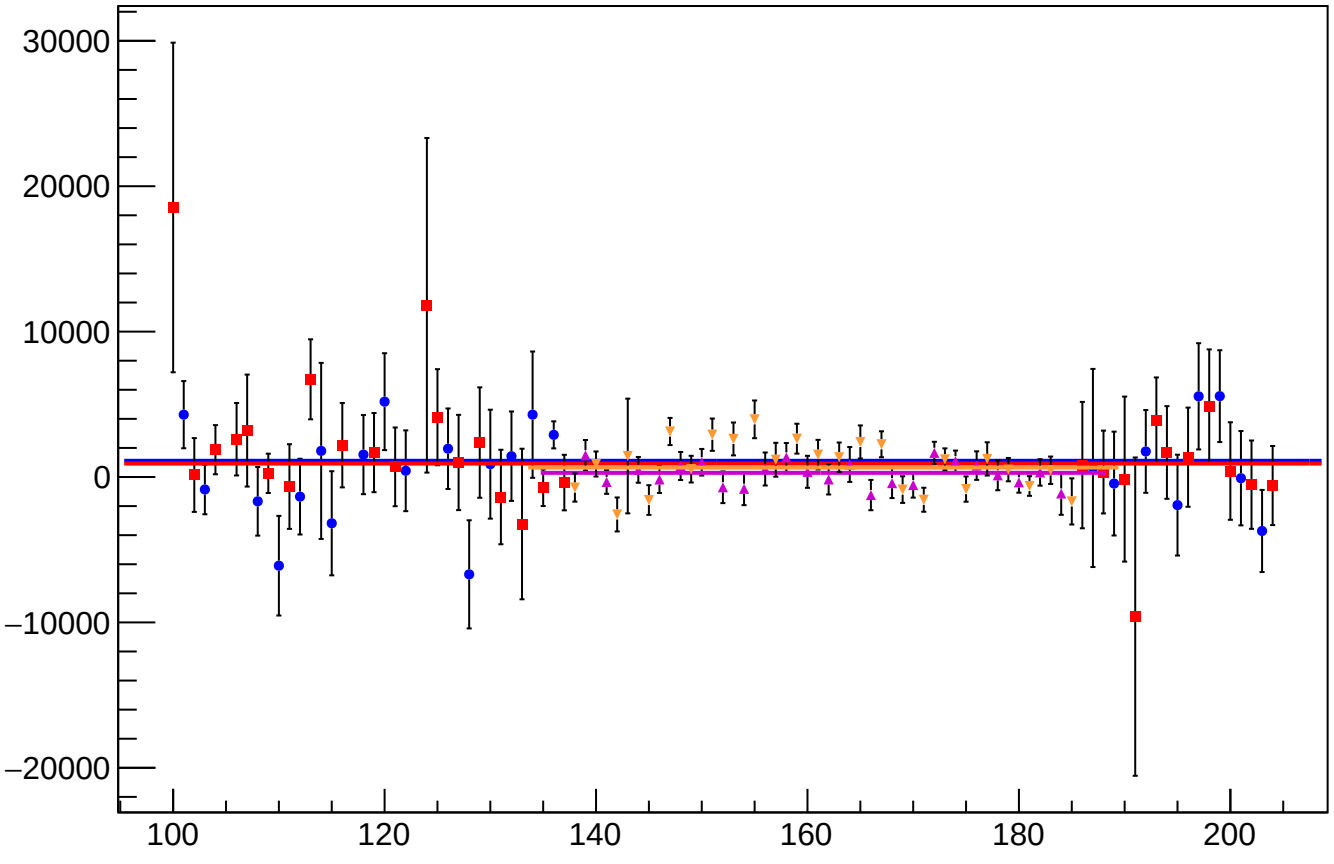
Right Out: 1691.102+/-0.312 χ^2/NDF: 670828.3/29

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1691.240+/-0.211 χ^2/NDF: 966353.2/48

All: 1689.329+/-0.148 χ^2/NDF: 1802942.1/10

- sign 1687.477+/-0.208 χ^2/NDF: 836427.4/52



Right In: 1115.363+/-520.377 χ^2/NDF: 29.2/23

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 925.472+/-491.604 χ^2/NDF: 17.8/29

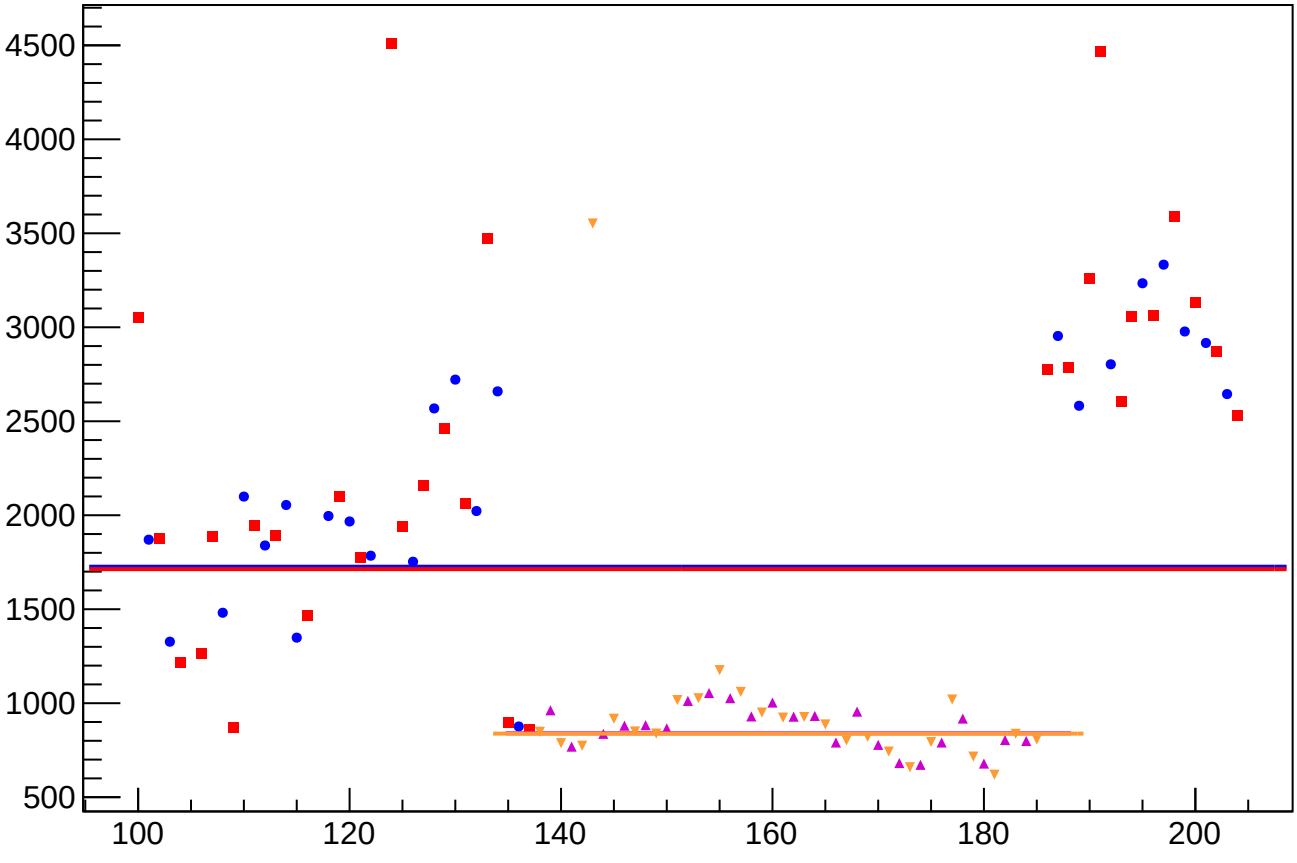
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 706.916+/-183.153 χ^2/NDF: 95.5/48

All: 543.207+/-129.827 χ^2/NDF: 132.9/101

- sign 377.876+/-184.057 χ^2/NDF: 35.8/52

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1726.140+/-0.368 χ^2/NDF: 4275280.3/23

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1713.240+/-0.348 χ^2/NDF: 5686190.5/29

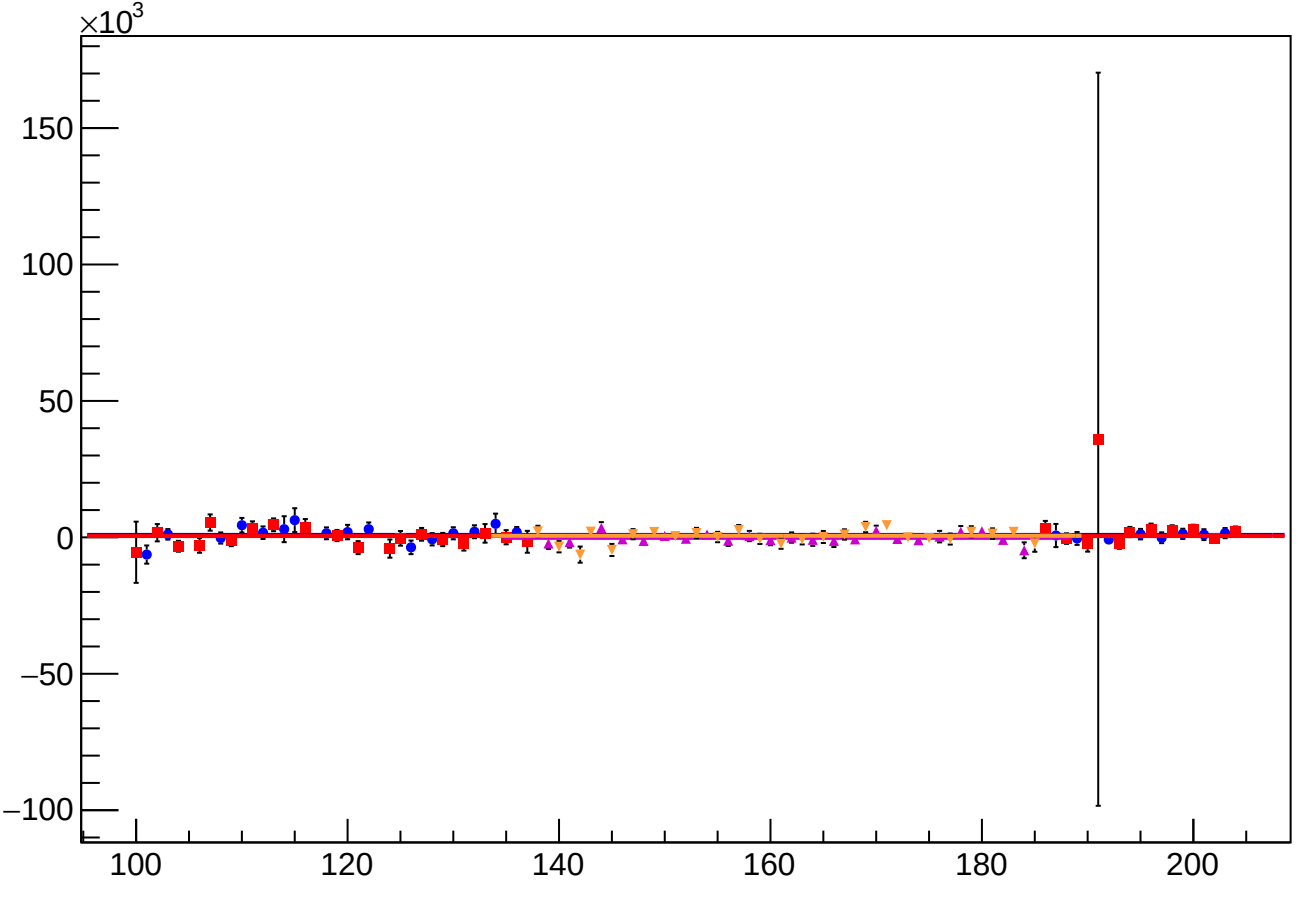
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 948.243+/-0.130 χ^2/NDF: 11176631.5/48

All: 955.281+/-0.092 χ^2/NDF: 22964318.6/10

- sign 962.389+/-0.130 χ^2/NDF: 11781750.6/52

dit_asym_at2_dd_mean vs Slug



Right In: 897.089+/-471.164 χ^2/NDF: 16.8/23

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 469.065+/-441.255 χ^2/NDF: 30.9/29

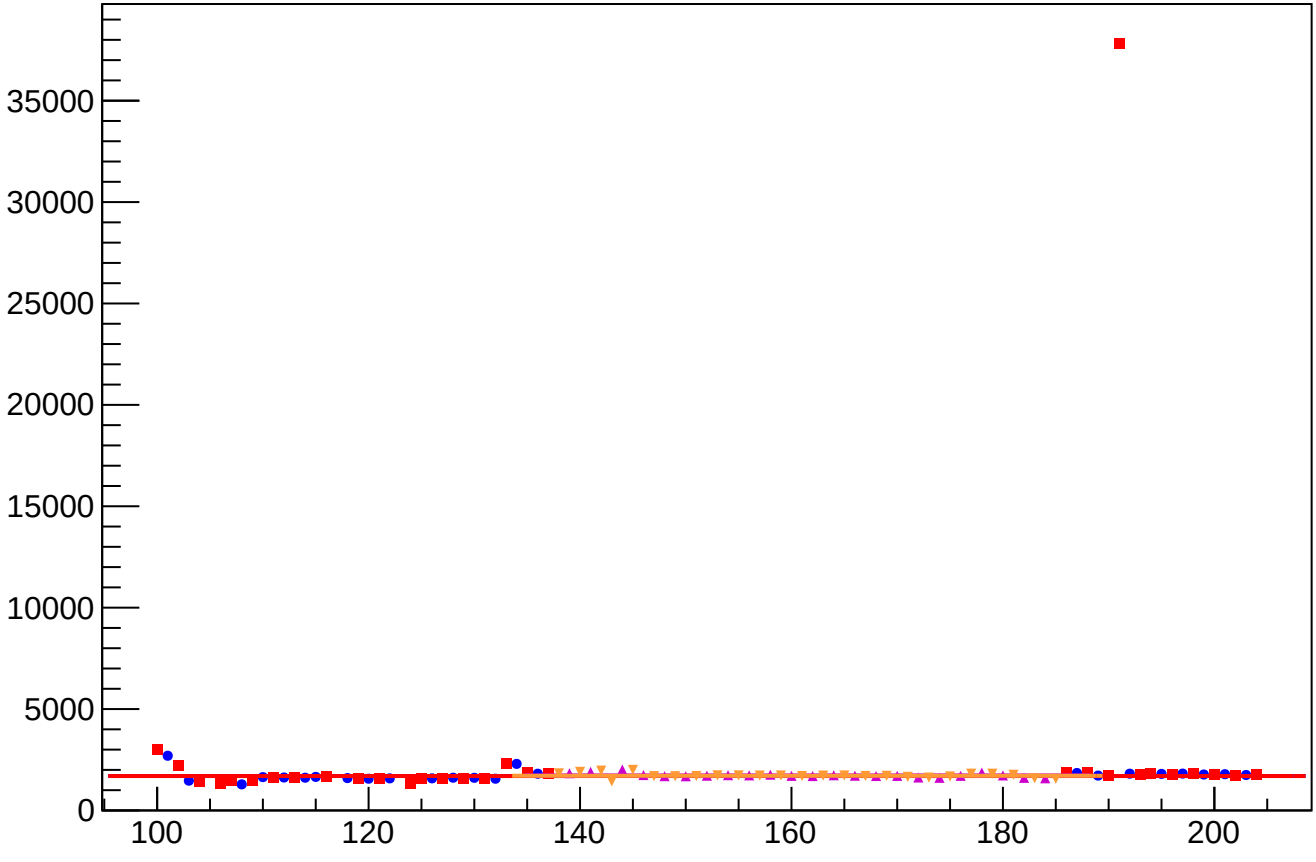
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 709.009+/-300.326 χ^2/NDF: 49.0/48

All: 408.639+/-211.539 χ^2/NDF: 97.5/101

- sign 112.881+/-298.011 χ^2/NDF: 46.6/52

dit_asym_at2_dd_rms vs Slug



Right In: 1699.082+/-0.333 χ^2/NDF: 413029.3/23

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1696.846+/-0.312 χ^2/NDF: 530710.7/29

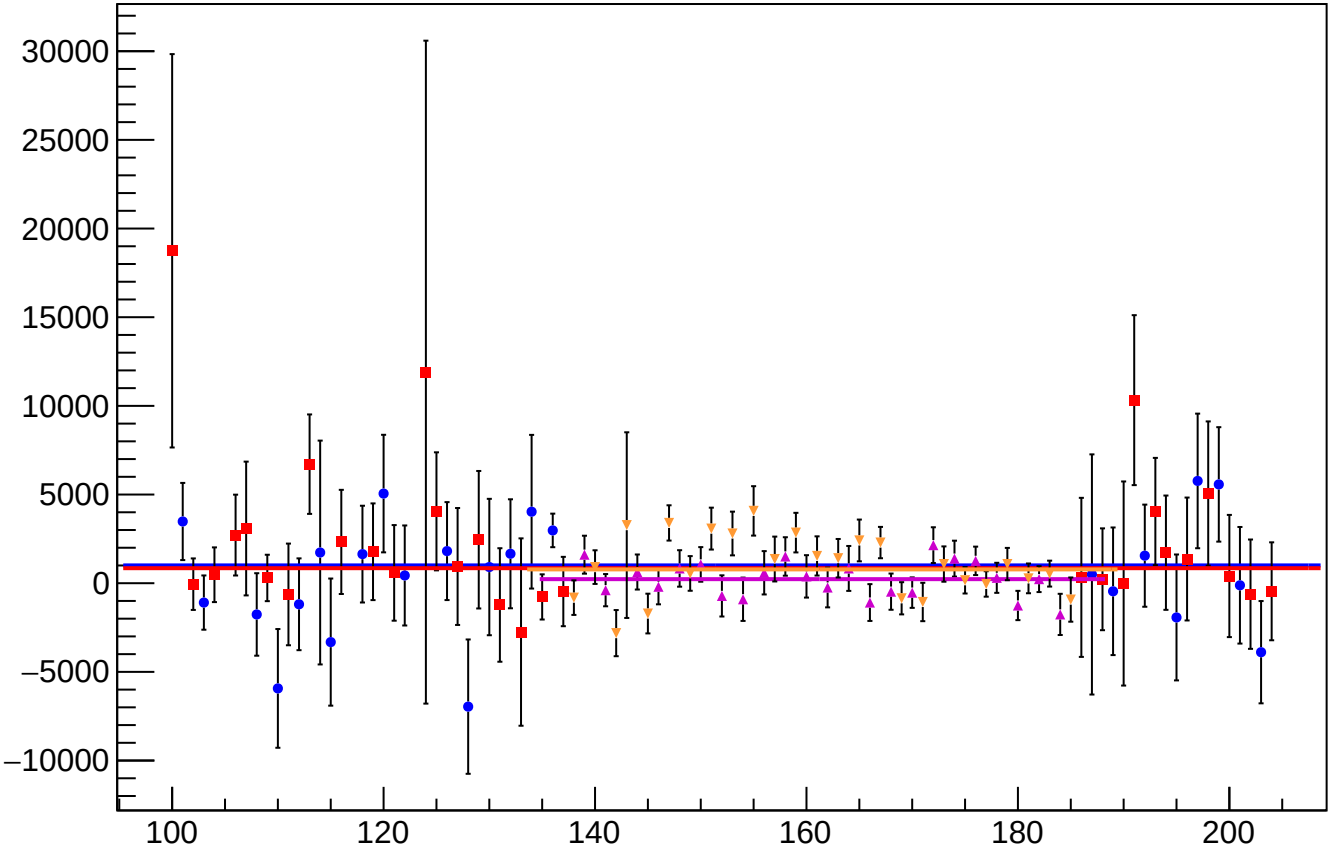
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1706.580+/-0.212 χ^2/NDF: 581888.9/48

All: 1710.189+/-0.150 χ^2/NDF: 1218791.3/10

- sign 1713.742+/-0.211 χ^2/NDF: 636329.3/52

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1003.895+/-517.239 χ^2/NDF: 29.5/23

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 846.831+/-468.093 χ^2/NDF: 20.4/29

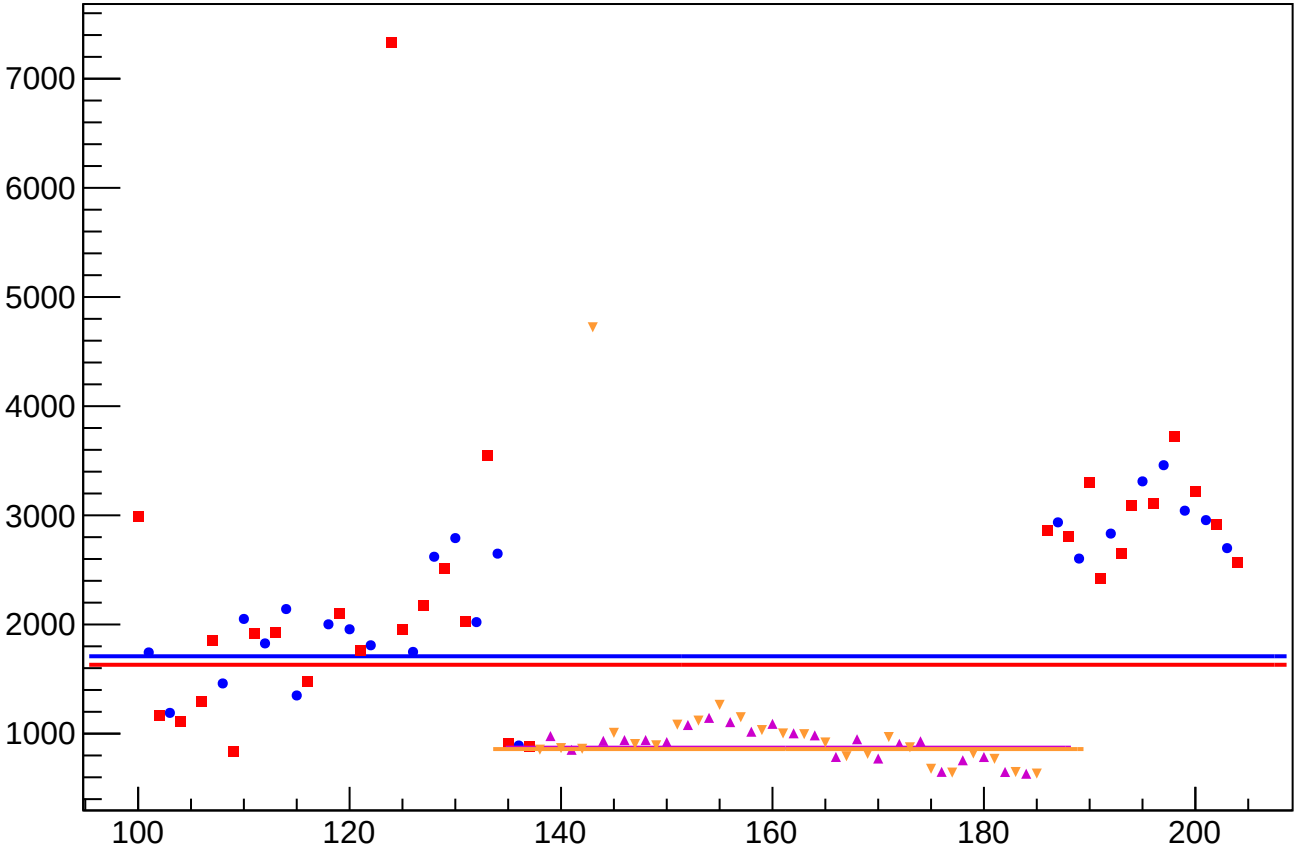
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

\+ sign 808.647+/-187.870 χ^2/NDF: 84.2/48

All: 570.729+/-133.273 χ^2/NDF: 131.9/101

\- sign 329.715+/-189.088 χ^2/NDF: 44.5/52

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1708.827+/-0.366 χ^2/NDF: 4420163.3/23

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1630.880+/-0.331 χ^2/NDF: 6194161.8/29

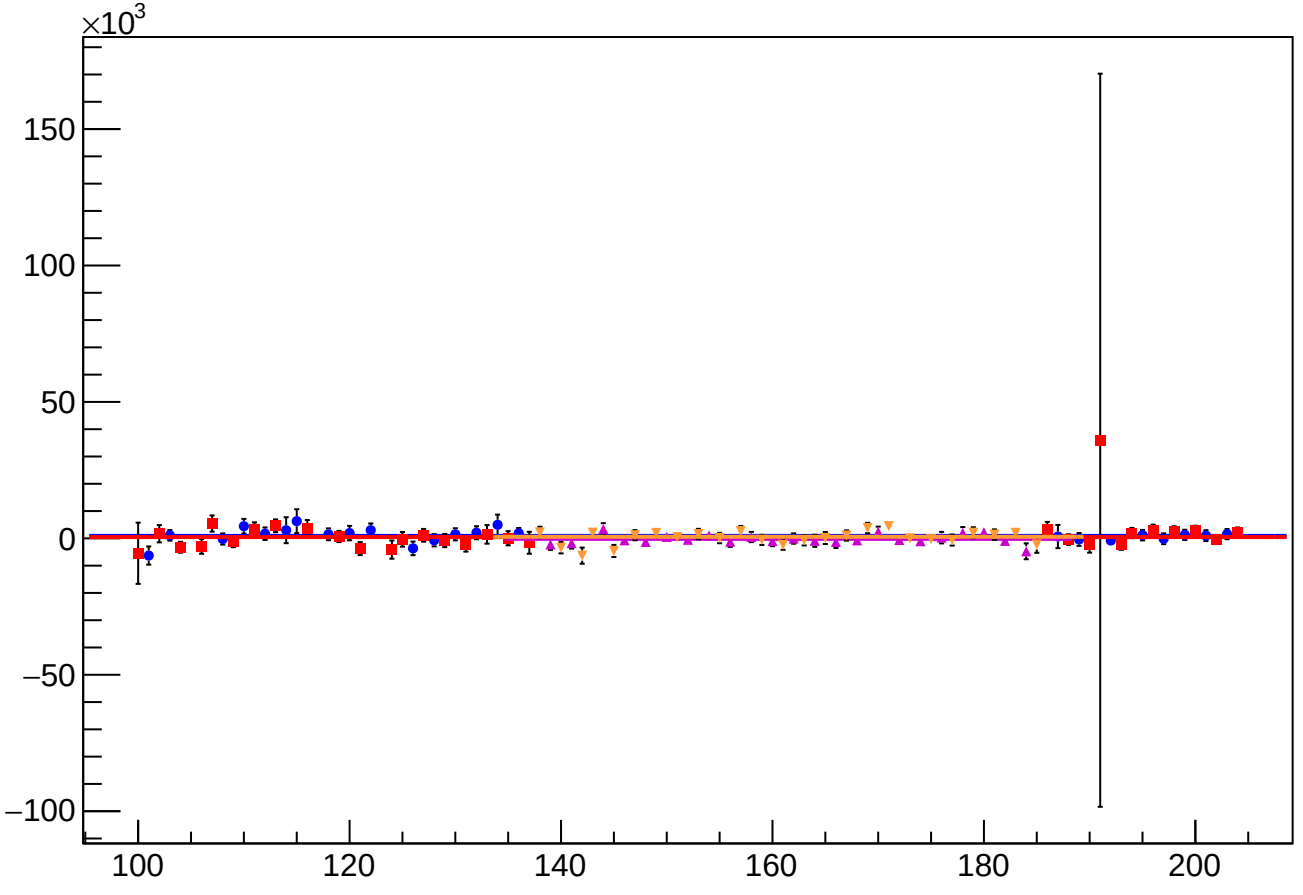
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 970.761+/-0.133 χ^2/NDF: 11391107.6/48

All: 983.019+/-0.094 χ^2/NDF: 22986165.1/10

- sign 995.437+/-0.134 χ^2/NDF: 11577917.1/52

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 897.090+/-471.164 χ^2/NDF: 16.8/23

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 469.065+/-441.255 χ^2/NDF: 30.9/29

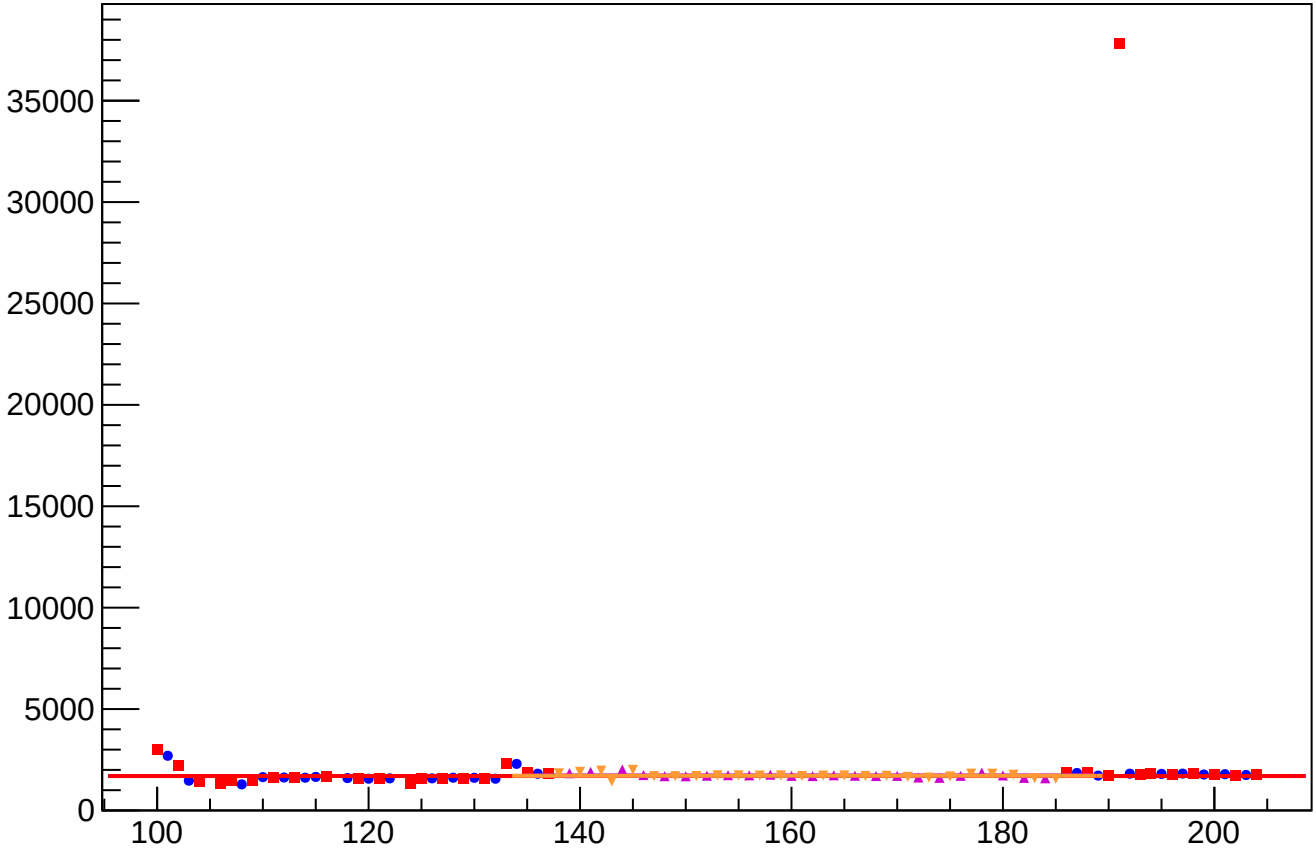
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 709.007+/-300.326 χ^2/NDF: 49.0/48

All: 408.637+/-211.539 χ^2/NDF: 97.5/101

- sign 112.880+/-298.011 χ^2/NDF: 46.6/52

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1699.082+/-0.333 χ^2/NDF: 413029.1/23

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1696.846+/-0.312 χ^2/NDF: 530710.9/29

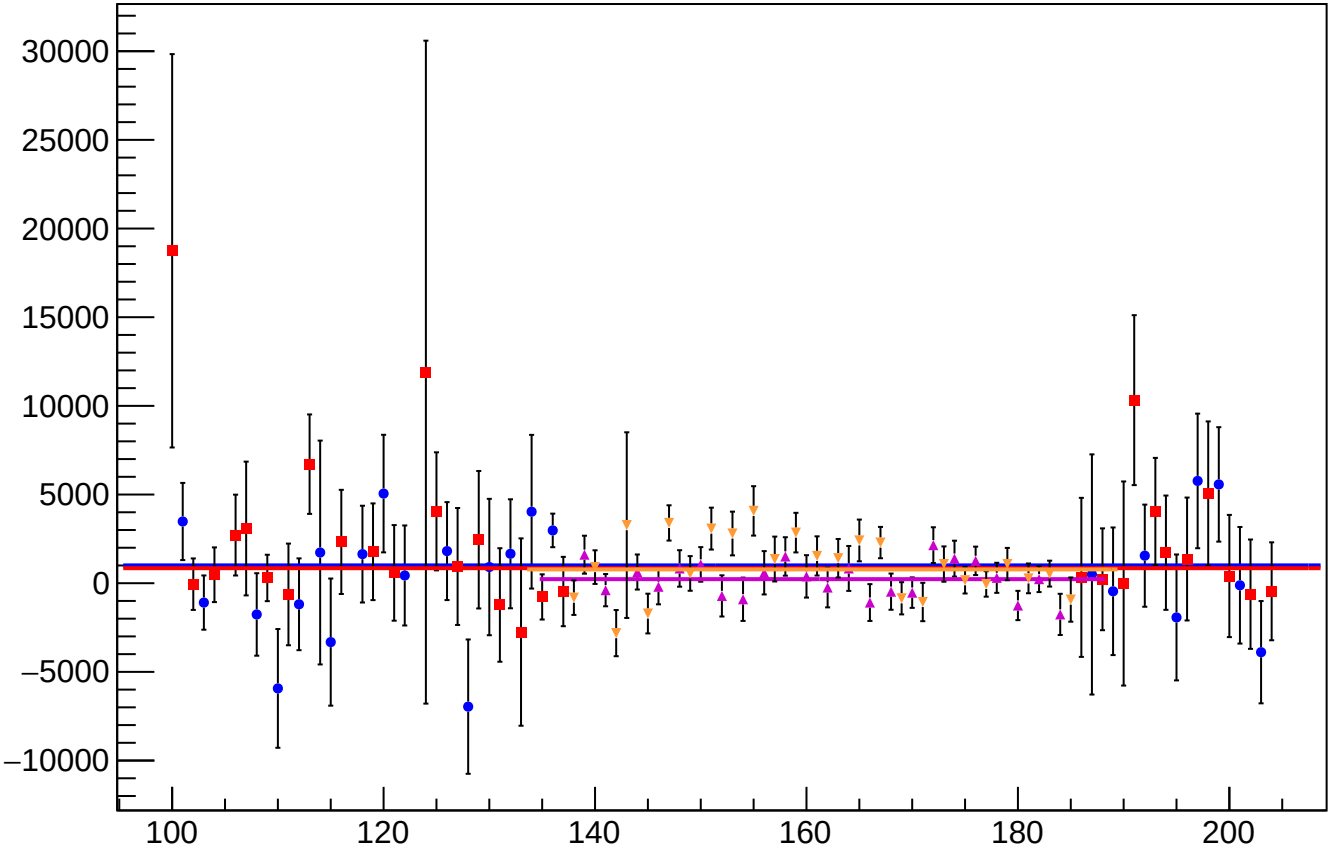
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1706.580+/-0.212 χ^2/NDF: 581887.4/48

All: 1710.189+/-0.150 χ^2/NDF: 1218789.9/10

- sign 1713.742+/-0.211 χ^2/NDF: 636329.4/52

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1003.885+/-517.242 χ^2/NDF: 29.5/23

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

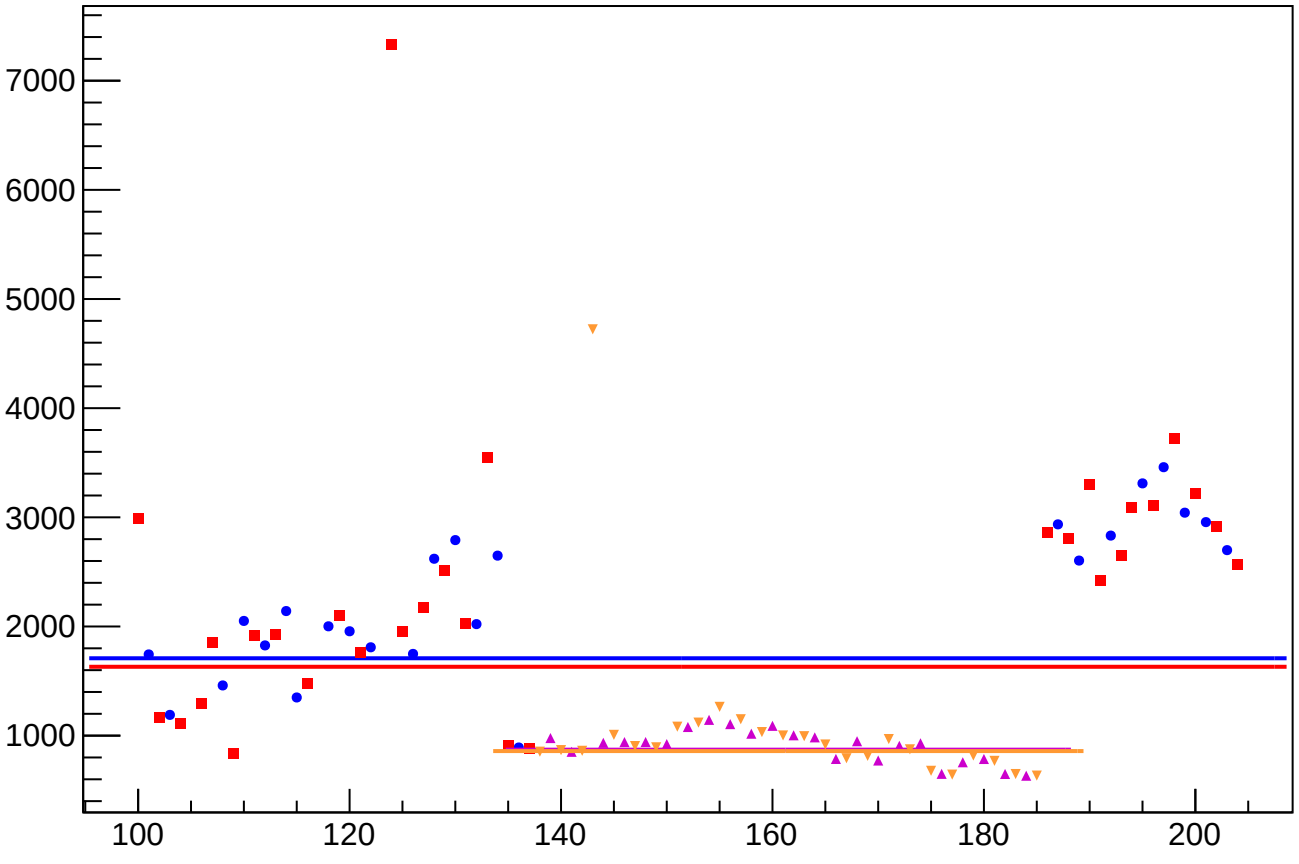
Right Out: 846.844+/-468.095 χ^2/NDF: 20.4/29

Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

\+ sign 808.648+/-187.870 χ^2/NDF: 84.2/48

All: 570.728+/-133.273 χ^2/NDF: 131.9/101

\- sign 329.714+/-189.088 χ^2/NDF: 44.5/52



Right In: 1708.843+/-0.366 χ^2/NDF: 4420016.6/23

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1630.894+/-0.331 χ^2/NDF: 6194023.3/29

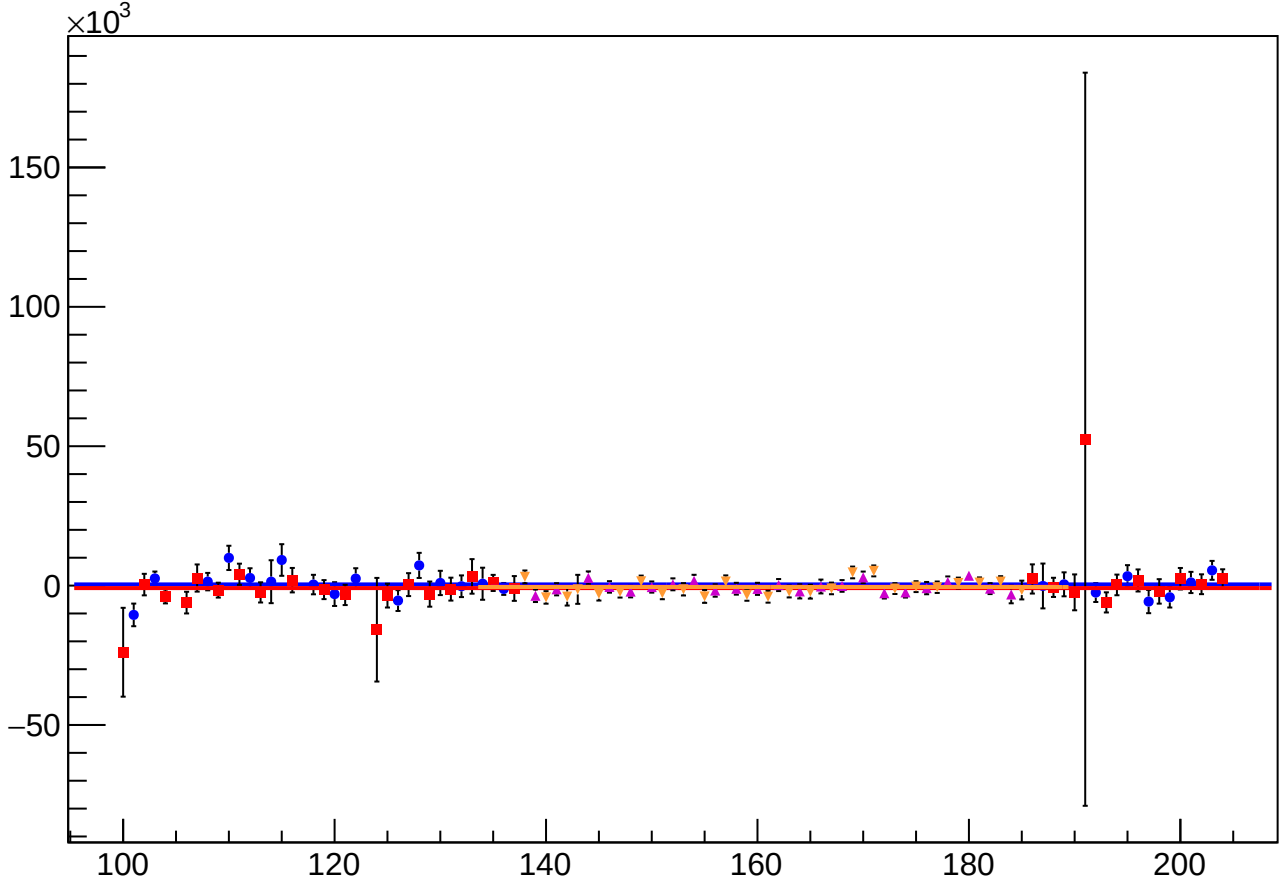
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 970.762+/-0.133 χ^2/NDF: 11391076.6/48

All: 983.020+/-0.094 χ^2/NDF: 22986134.2/10

- sign 995.437+/-0.134 χ^2/NDF: 11577918.7/52

asym_at2_dd_mean vs Slug



Right In: 424.895+/-763.326 χ^2/NDF: 29.3/23

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -899.280+/-723.900 χ^2/NDF: 16.3/29

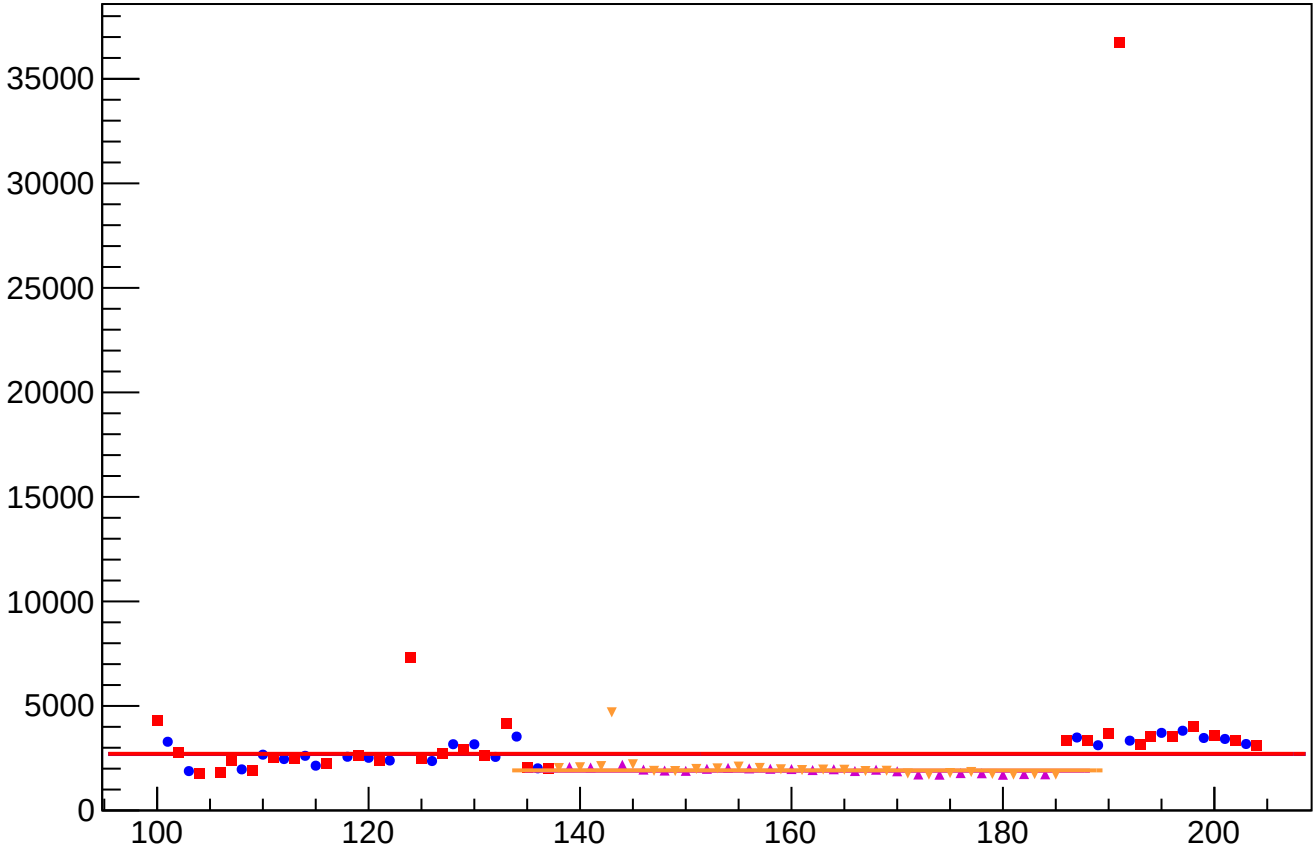
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -270.537+/-381.149 χ^2/NDF: 66.4/48

All: -408.584+/-268.691 χ^2/NDF: 102.2/101

- sign -544.960+/-378.835 χ^2/NDF: 35.5/52

asym_at2_dd_rms vs Slug



Right In: 2699.920+/-0.540 χ^2/NDF: 1311711.2/23

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2708.810+/-0.512 χ^2/NDF: 1943412.7/29

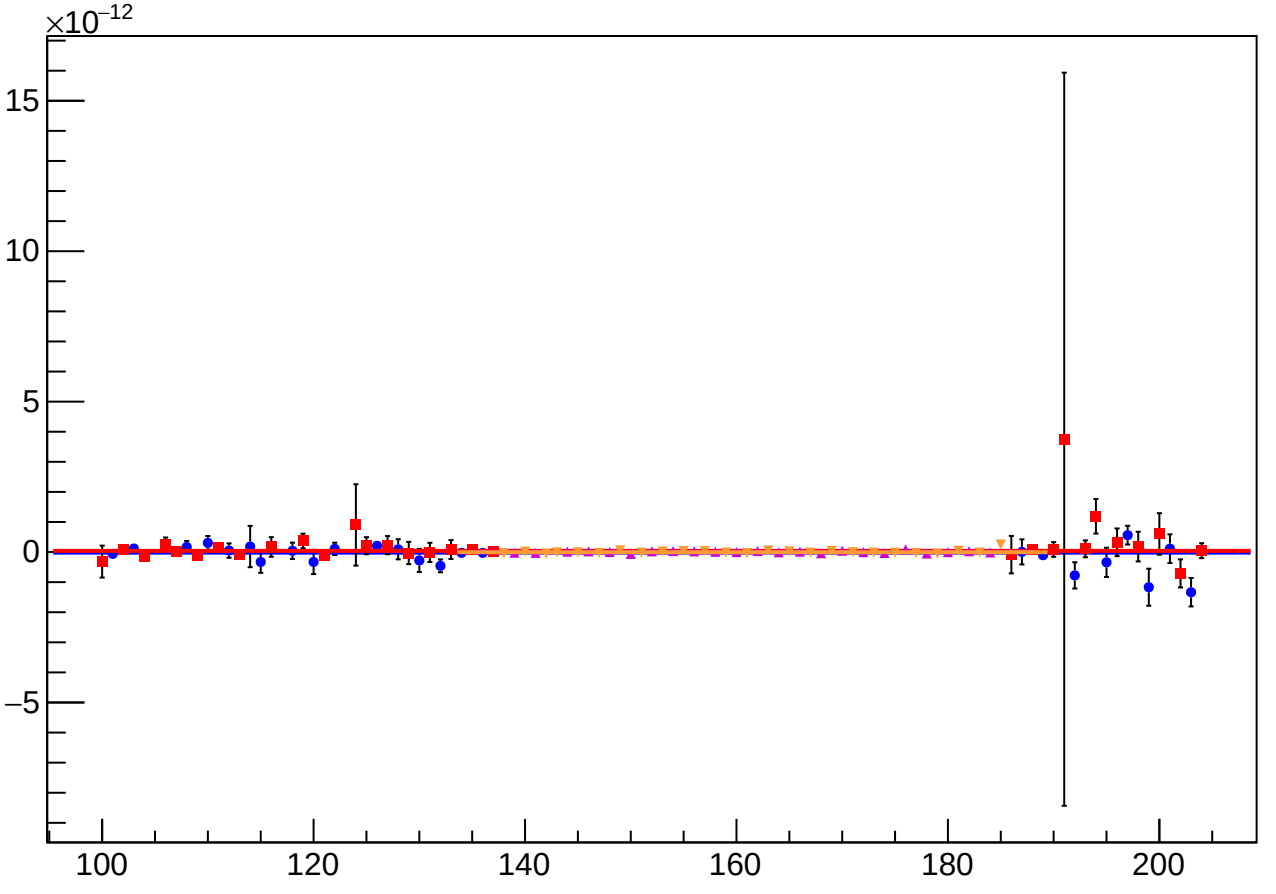
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2112.322+/-0.270 χ^2/NDF: 3646875.6/48

All: 2116.669+/-0.190 χ^2/NDF: 7580509.0/10

- sign 2120.962+/-0.268 χ^2/NDF: 3933116.4/52

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

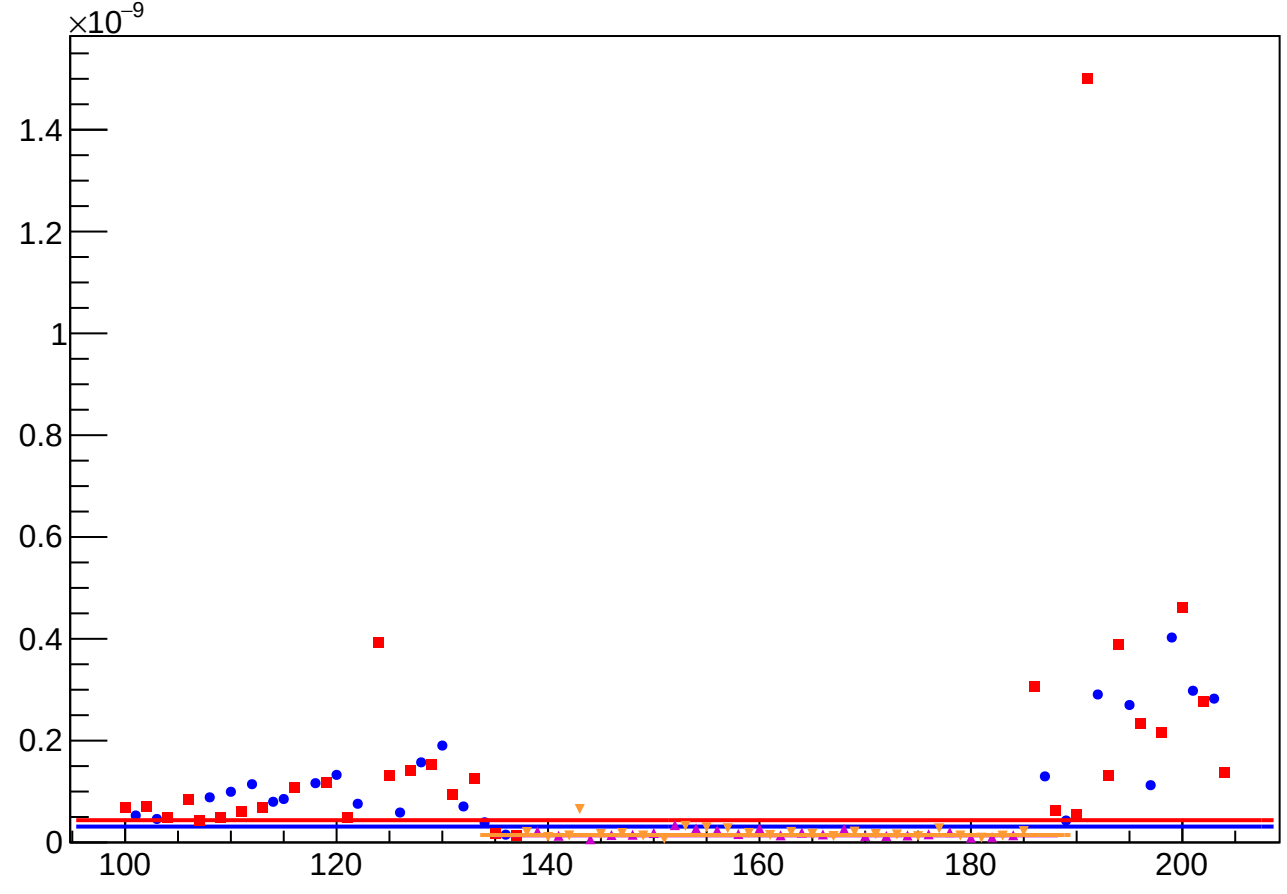
Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/29

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.3/48

All: 0.000+/-0.000 χ^2/NDF: 115.9/101

- sign 0.000+/-0.000 χ^2/NDF: 49.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 6158090.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6024883.5/29

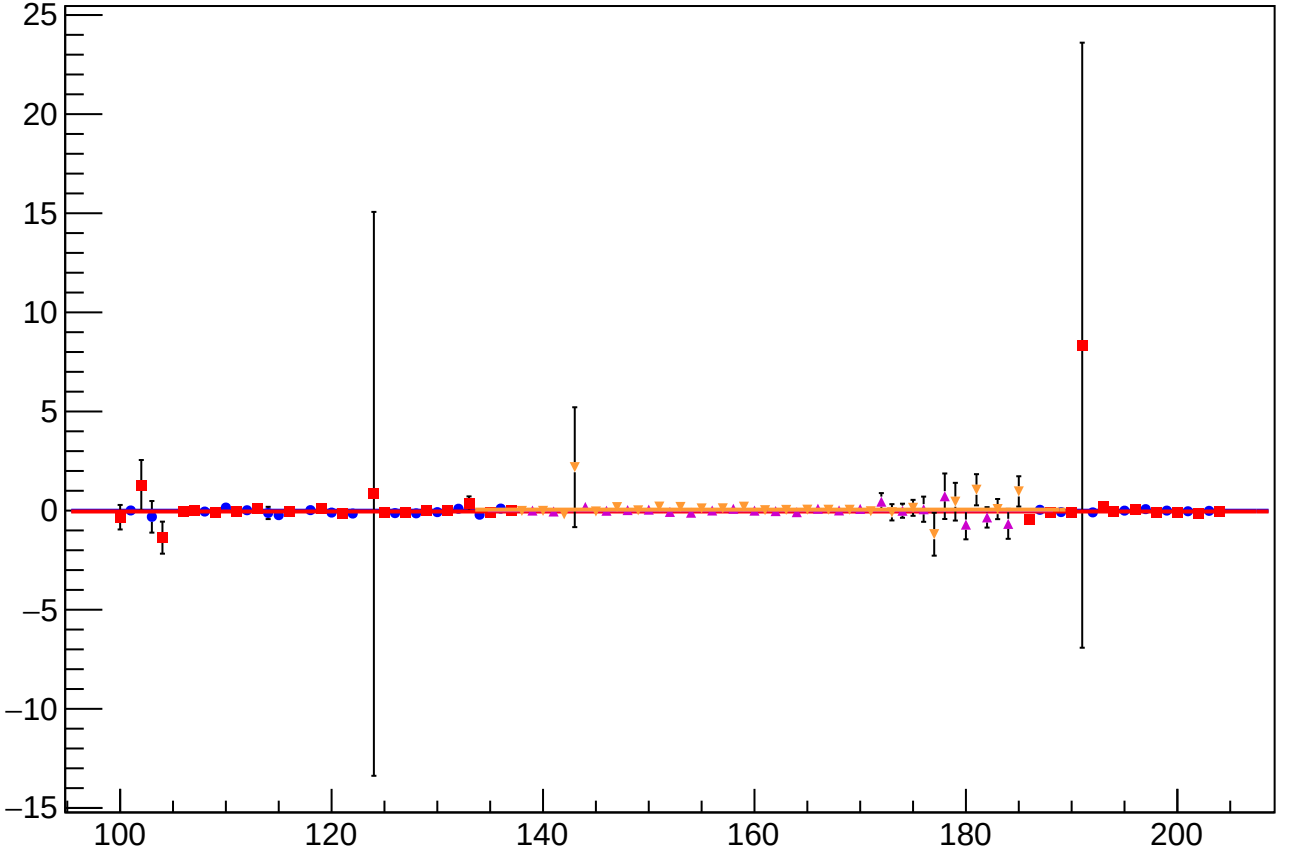
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9115716.5/48

All: 0.000+/-0.000 χ^2/NDF: 19473615.3/101

- sign 0.000+/-0.000 χ^2/NDF: 10353378.6/52

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.023 χ^2/NDF: 14.8/23

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.045+/-0.020 χ^2/NDF: 23.8/29

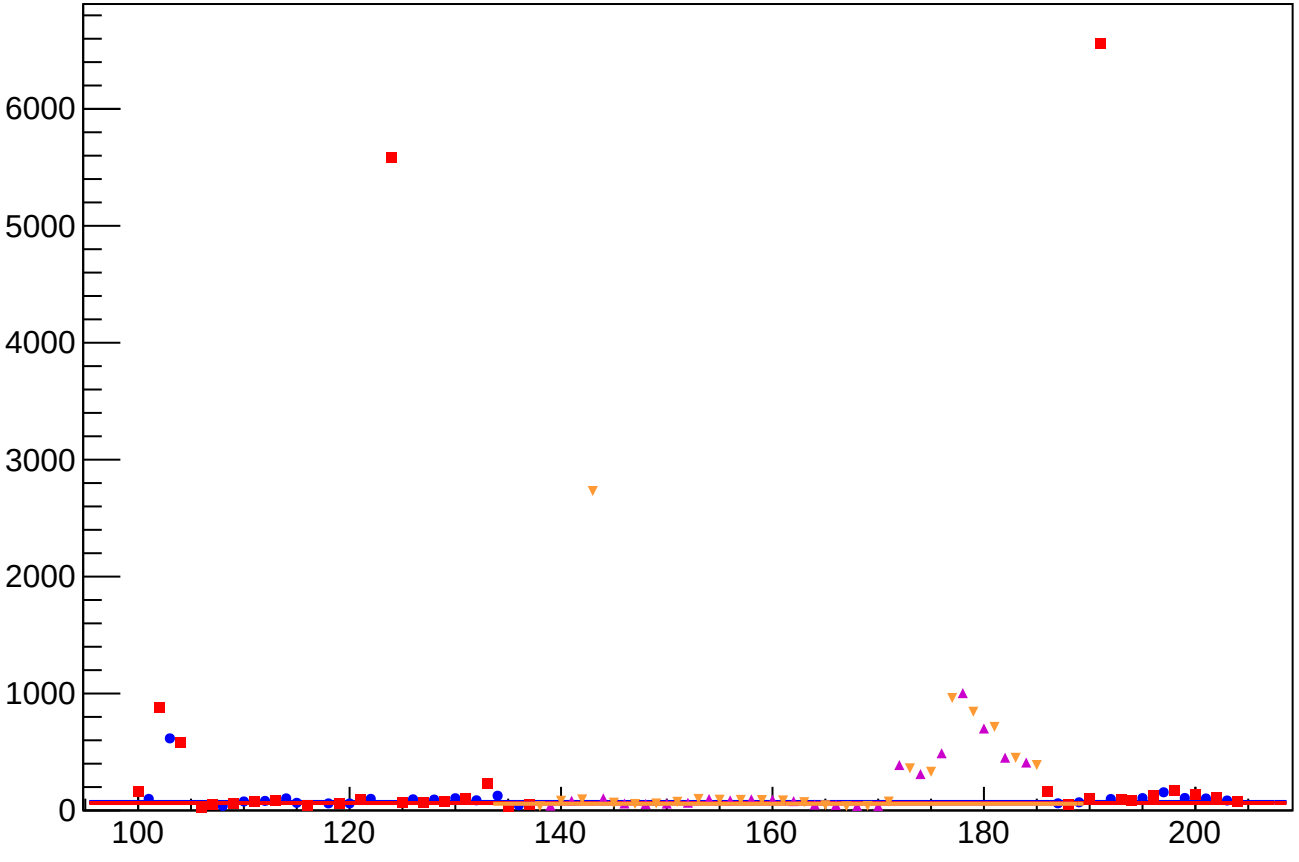
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.030+/-0.014 χ^2/NDF: 43.1/48

All: 0.010+/-0.009 χ^2/NDF: 92.4/101

- sign -0.008+/-0.013 χ^2/NDF: 45.2/52

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 72.657+/-0.016 χ^2/NDF: 3714983.3/23

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 63.740+/-0.014 χ^2/NDF: 7138691.9/29

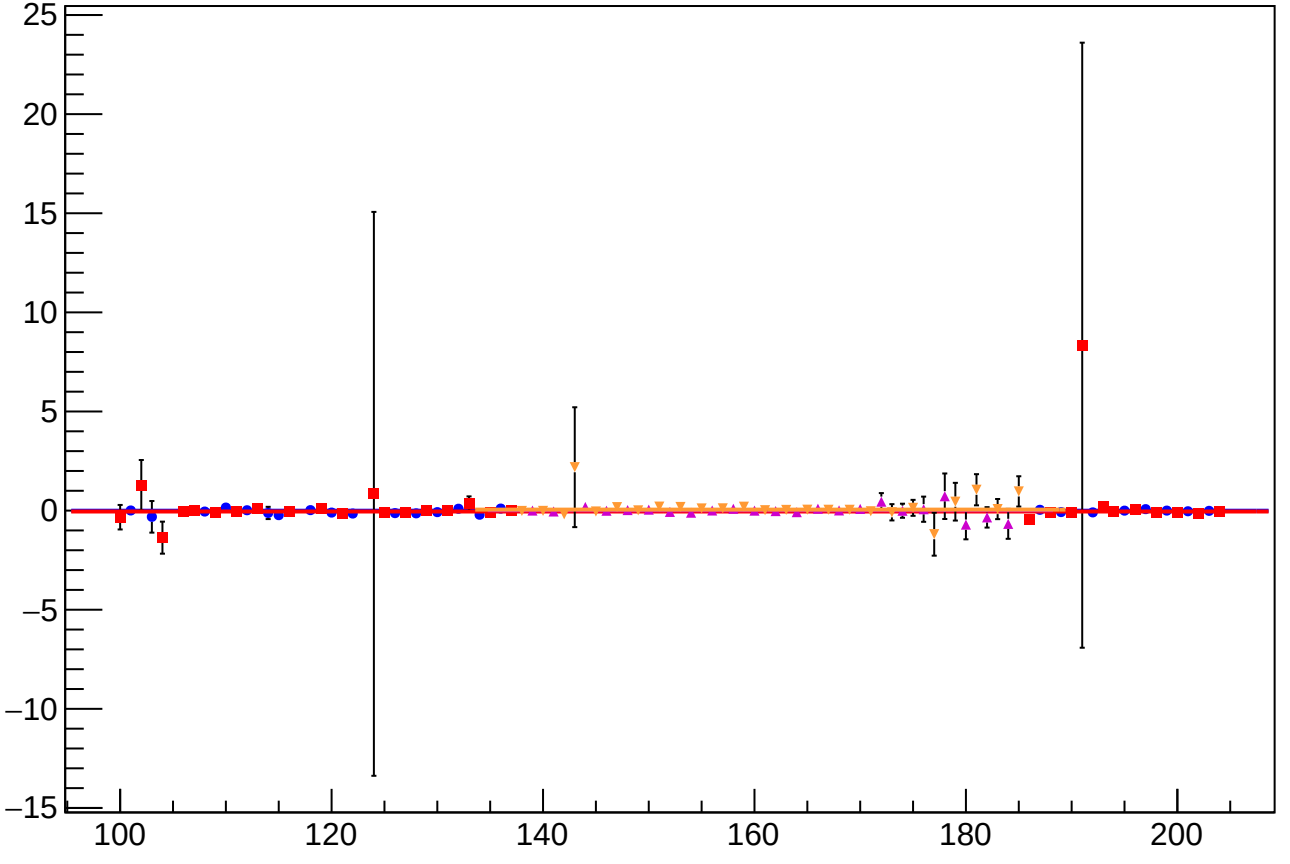
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 62.815+/-0.010 χ^2/NDF: 16627147.9/48

All: 61.746+/-0.007 χ^2/NDF: 34114187.2/101

- sign 60.772+/-0.009 χ^2/NDF: 17463460.5/52

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.023 χ^2/NDF: 14.8/23

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.045+/-0.020 χ^2/NDF: 23.8/29

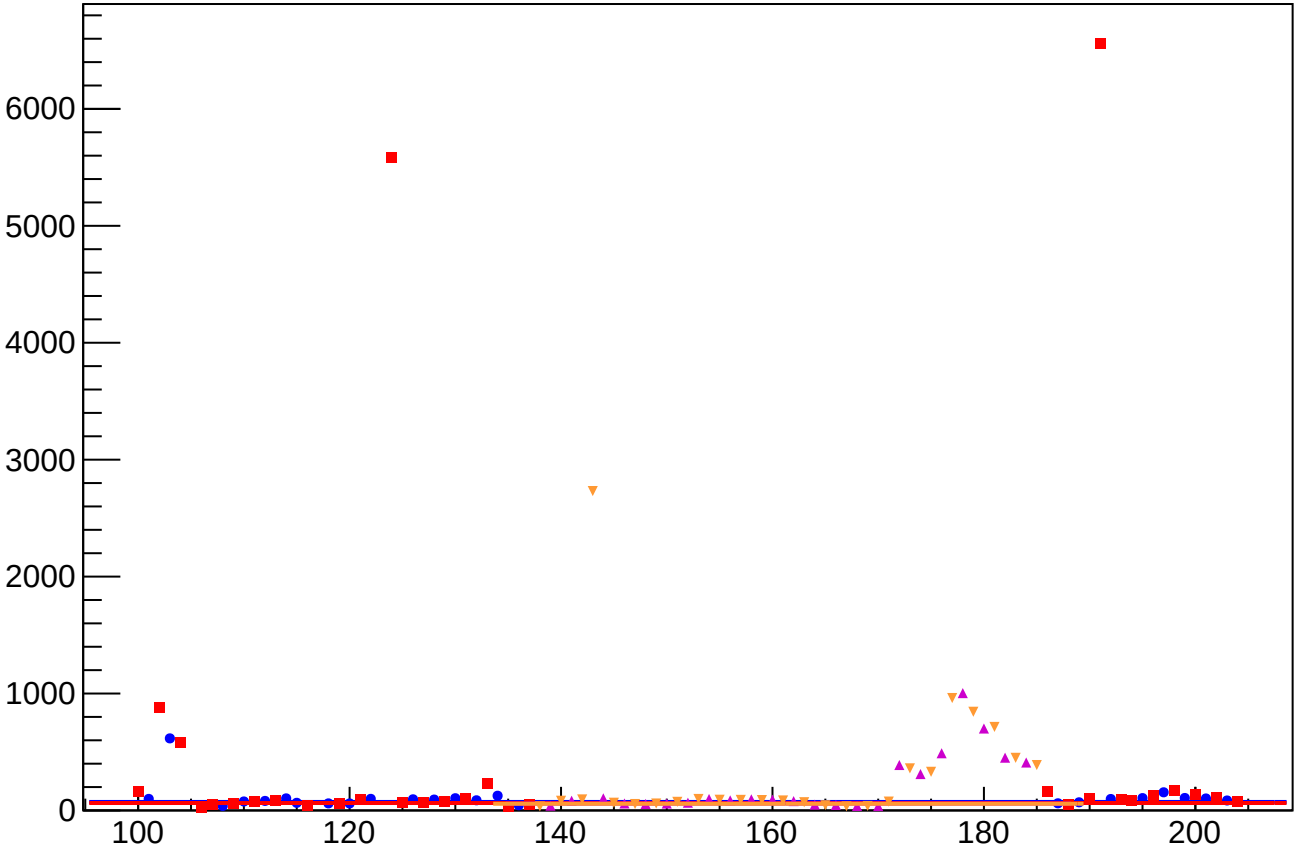
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.030+/-0.014 χ^2/NDF: 43.1/48

All: 0.010+/-0.009 χ^2/NDF: 92.4/101

- sign -0.008+/-0.013 χ^2/NDF: 45.2/52

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 72.657+/-0.016 χ^2/NDF: 3714983.3/23

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

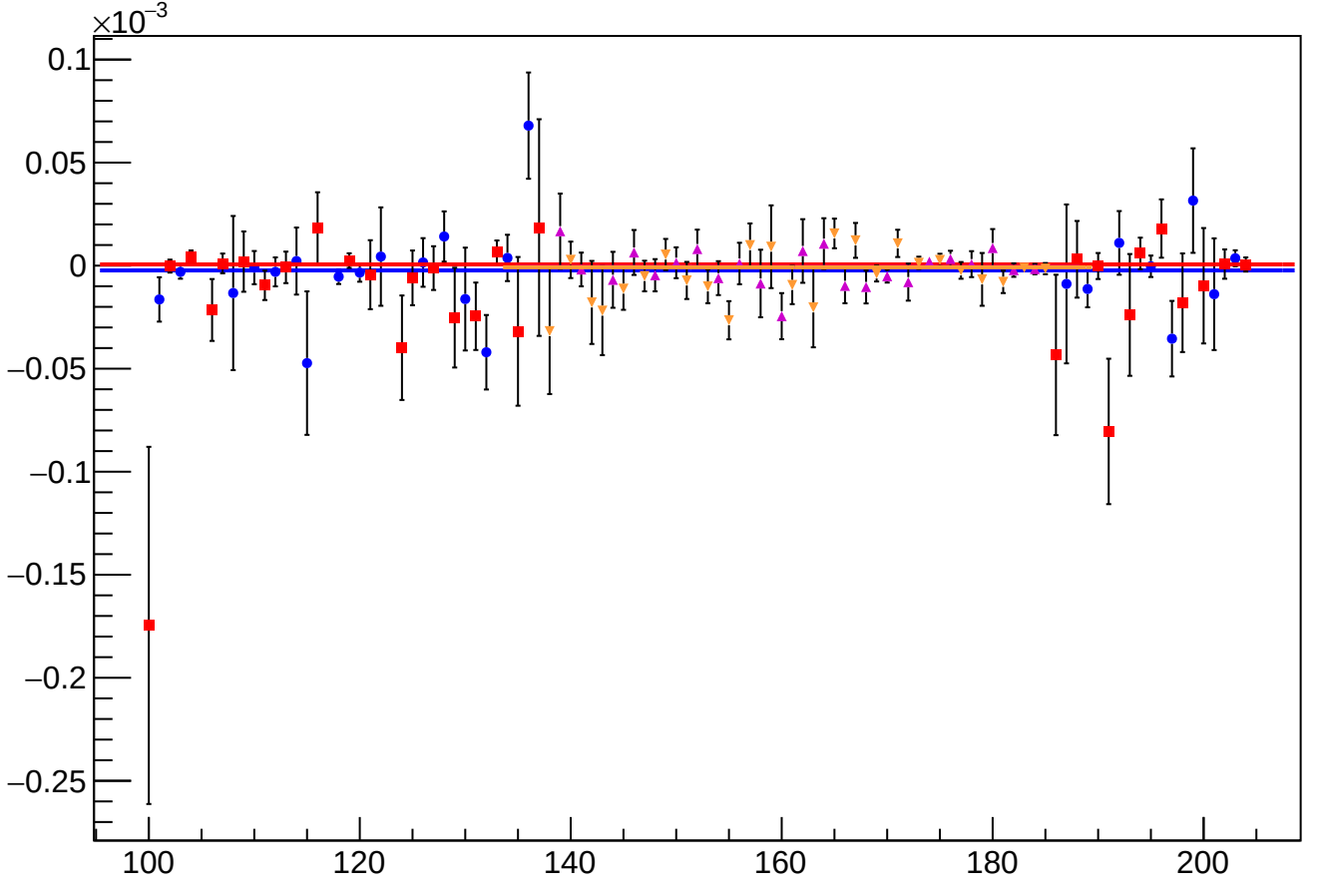
Right Out: 63.740+/-0.014 χ^2/NDF: 7138691.9/29

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 62.815+/-0.010 χ^2/NDF: 16627147.9/48

All: 61.746+/-0.007 χ^2/NDF: 34114187.2/101

- sign 60.772+/-0.009 χ^2/NDF: 17463460.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.2/29

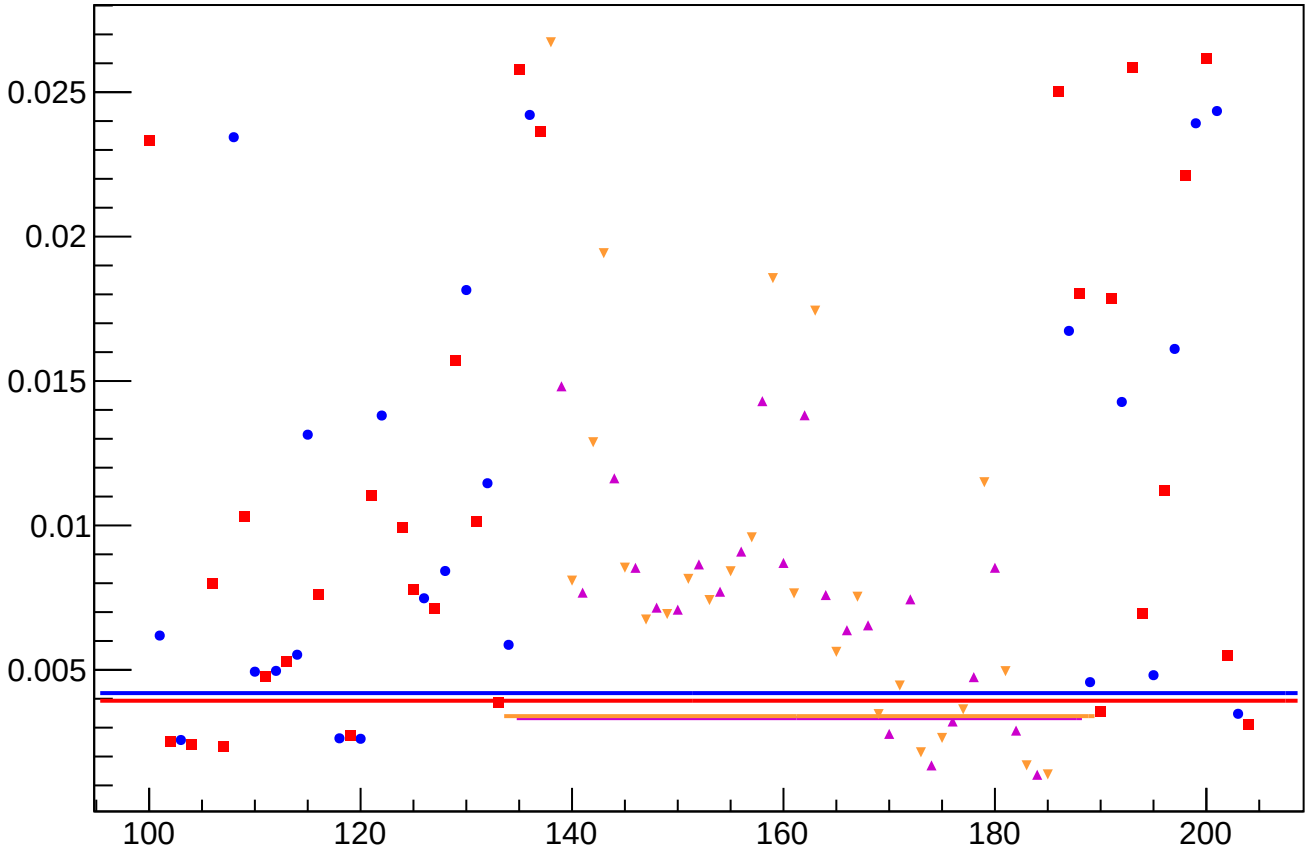
Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.2/48

All: -0.000+/-0.000 χ^2/NDF: 111.6/101

- sign -0.000+/-0.000 χ^2/NDF: 48.6/52

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 9146079.9/23

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 11290298.7/29

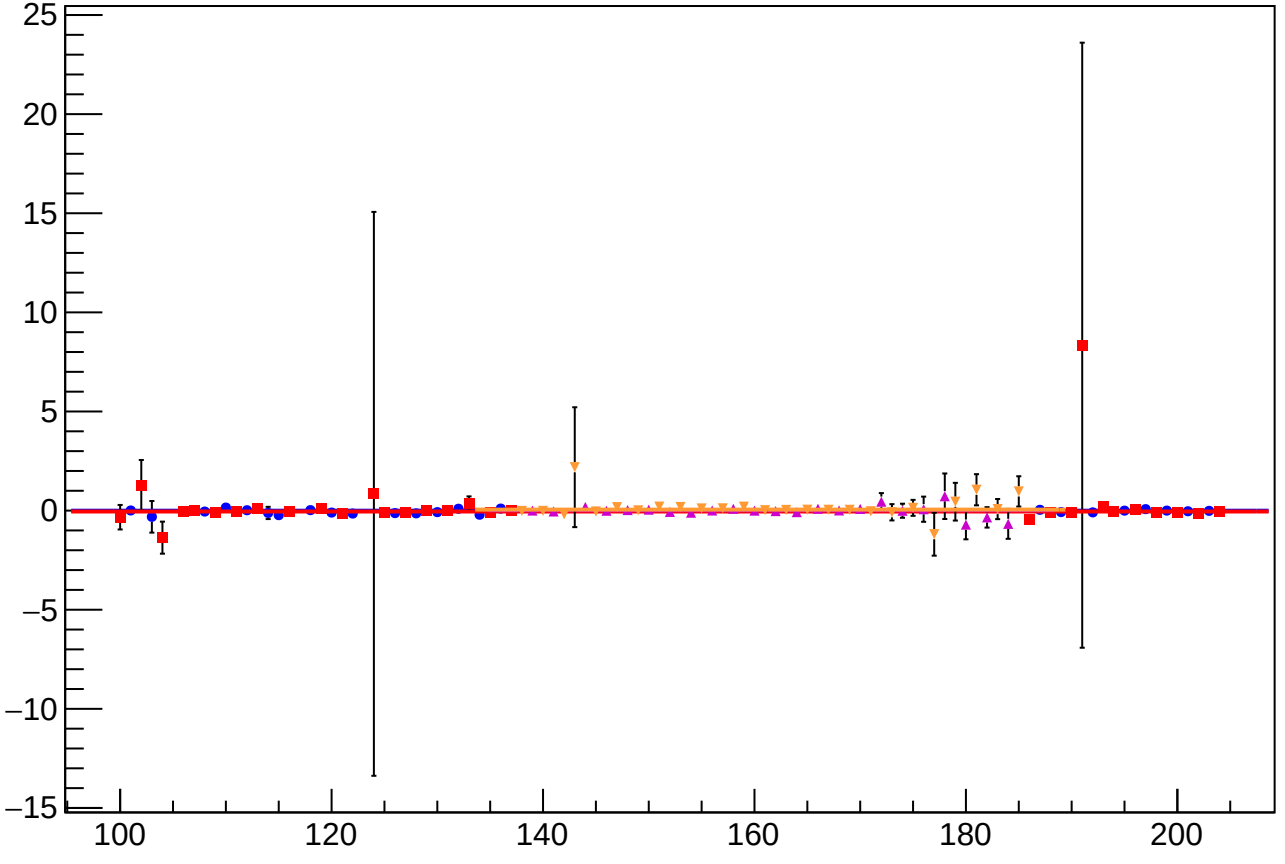
Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

+ sign 0.004+/-0.000 χ^2/NDF: 23769893.4/48

All: 0.004+/-0.000 χ^2/NDF: 47895011.3/101

- sign 0.004+/-0.000 χ^2/NDF: 24115338.0/52

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.023 χ^2/NDF: 14.8/23

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.045+/-0.020 χ^2/NDF: 23.8/29

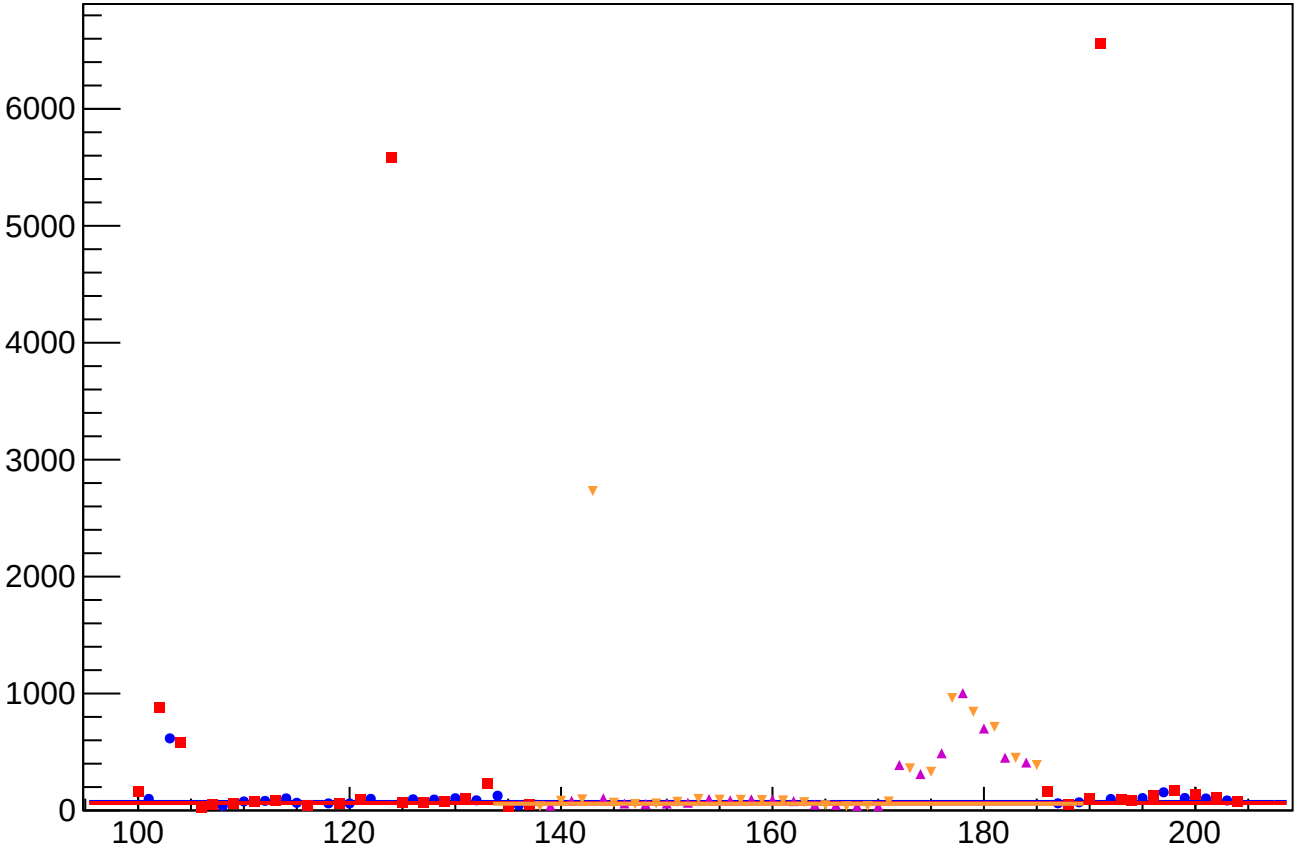
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.030+/-0.014 χ^2/NDF: 43.1/48

All: 0.010+/-0.009 χ^2/NDF: 92.4/101

- sign -0.008+/-0.013 χ^2/NDF: 45.2/52

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 72.664+/-0.016 χ^2/NDF: 3713589.6/23

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

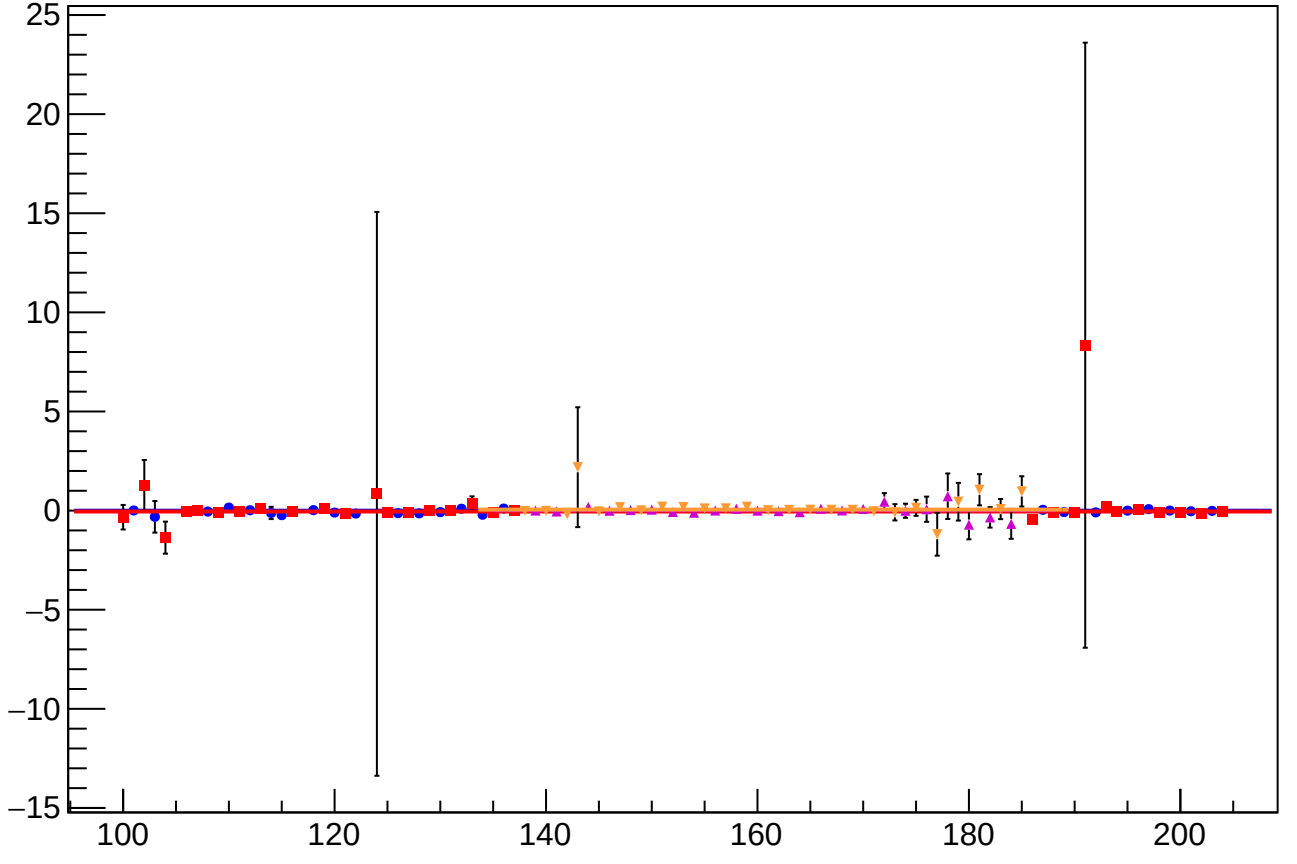
Right Out: 63.735+/-0.014 χ^2/NDF: 7139769.7/29

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 62.817+/-0.010 χ^2/NDF: 16626089.1/48

All: 61.746+/-0.007 χ^2/NDF: 34113527.7/101

- sign 60.772+/-0.009 χ^2/NDF: 17463817.5/52



Right In: -0.006+/-0.023 χ^2/NDF: 14.8/23

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

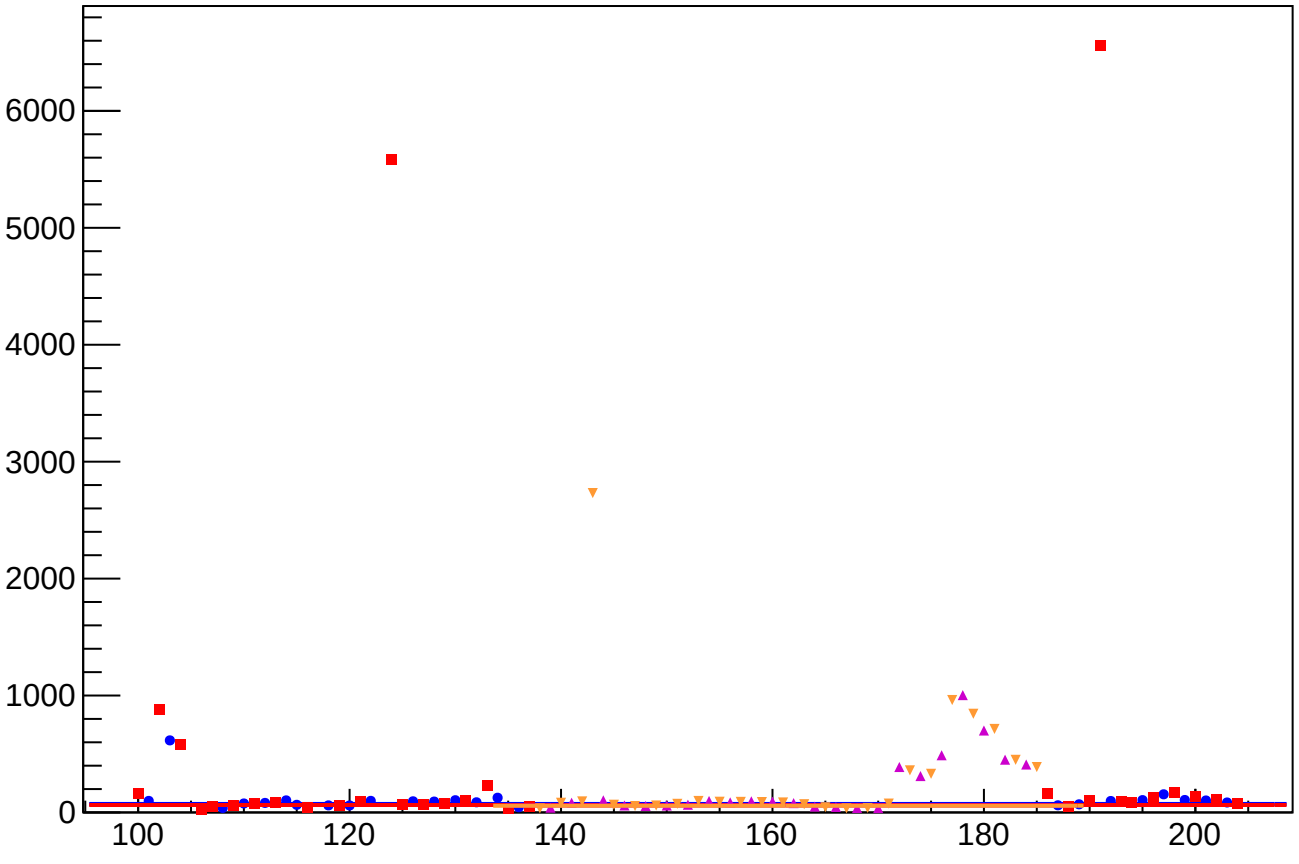
Right Out: -0.045+/-0.020 χ^2/NDF: 23.8/29

Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.030+/-0.014 χ^2/NDF: 43.1/48

All: 0.010+/-0.009 χ^2/NDF: 92.4/101

- sign -0.008+/-0.013 χ^2/NDF: 45.2/52



Right In: 72.664+/-0.016 χ^2/NDF: 3713589.6/23

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 63.735+/-0.014 χ^2/NDF: 7139769.7/29

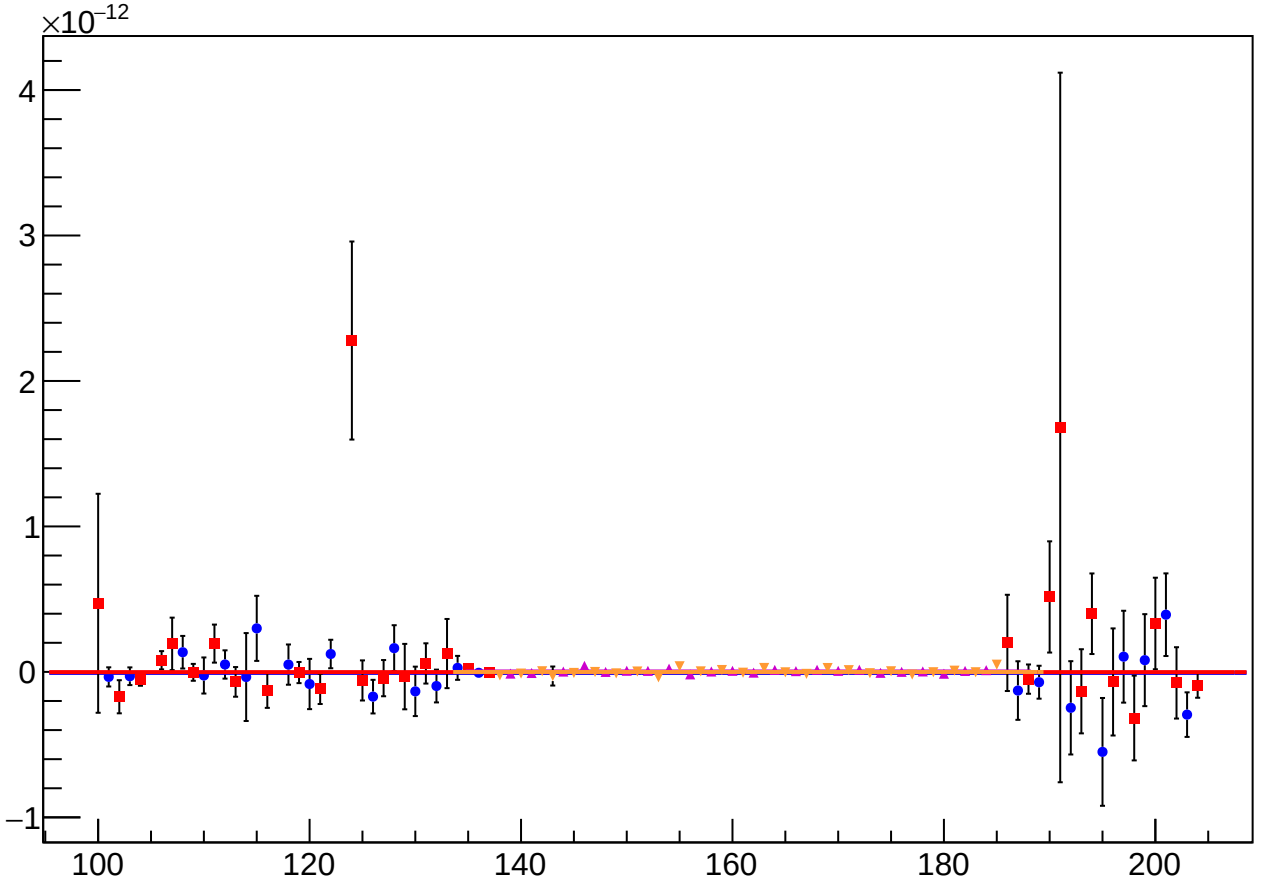
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 62.817+/-0.010 χ^2/NDF: 16626089.1/48

All: 61.746+/-0.007 χ^2/NDF: 34113527.7/101

- sign 60.772+/-0.009 χ^2/NDF: 17463817.5/52

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

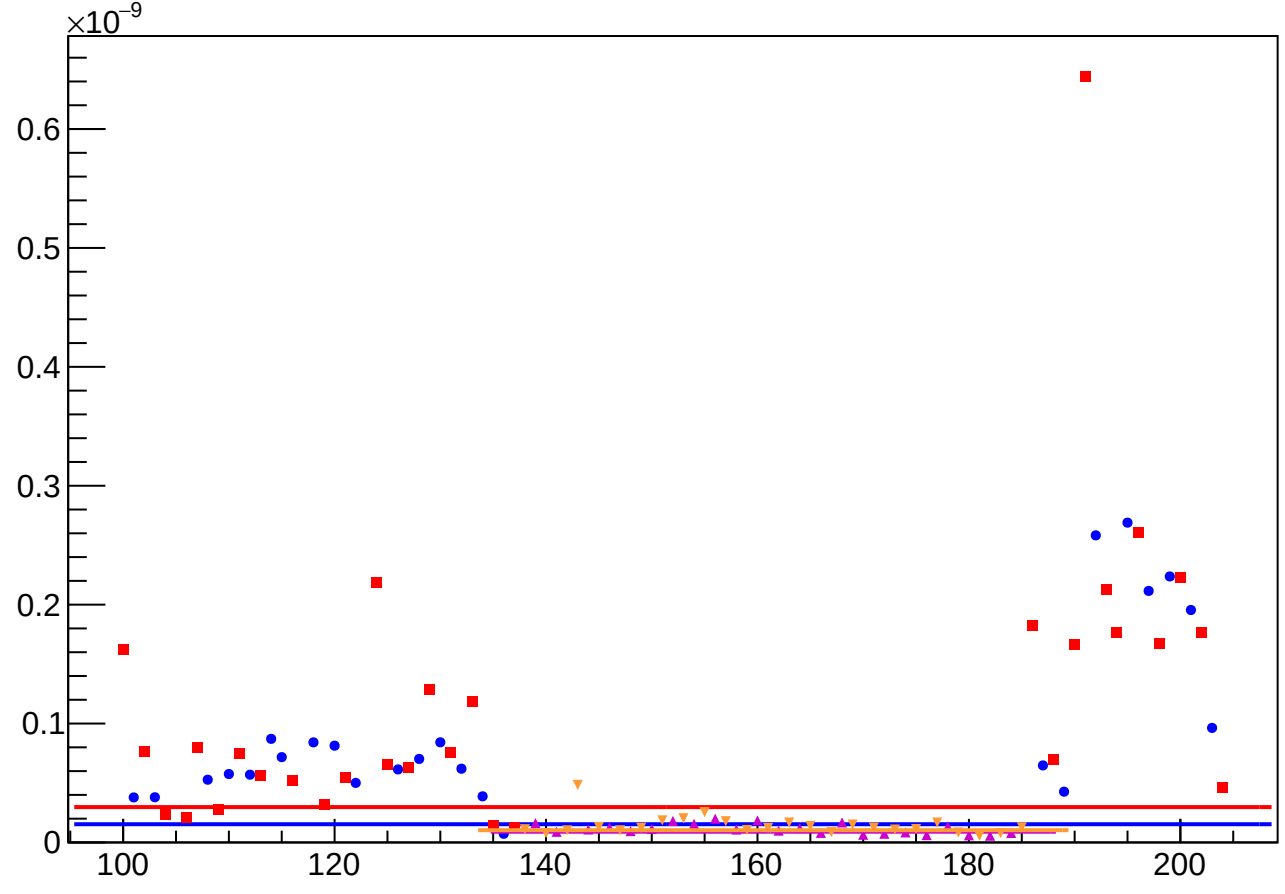
Right Out: -0.000+/-0.000 χ^2/NDF: 33.8/29

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.1/48

All: 0.000+/-0.000 χ^2/NDF: 89.4/101

- sign 0.000+/-0.000 χ^2/NDF: 49.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 10383434.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9032785.5/29

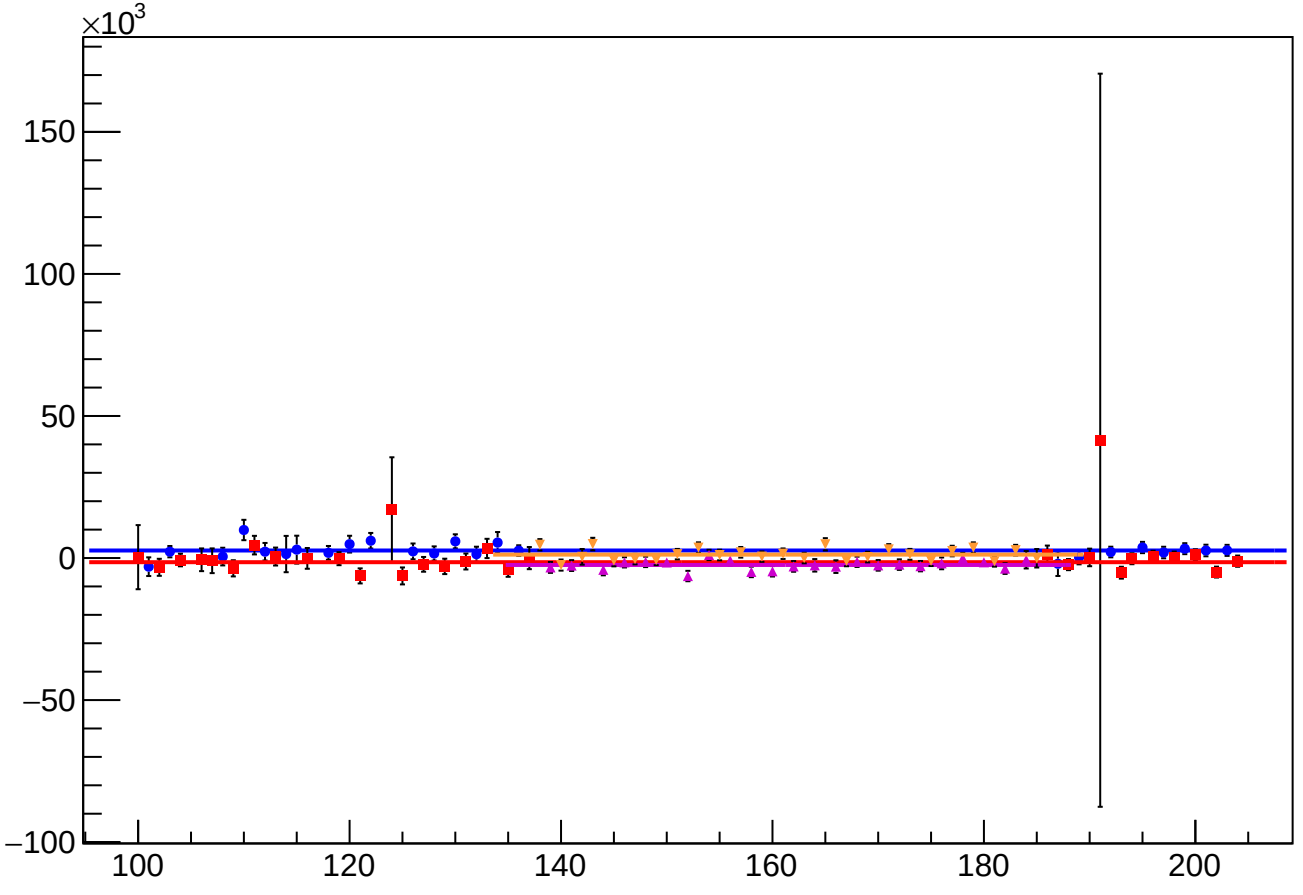
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 14475459.6/48

All: 0.000+/-0.000 χ^2/NDF: 30573775.6/101

- sign 0.000+/-0.000 χ^2/NDF: 15992614.4/52

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2651.556+/-509.915 χ^2/NDF: 15.4/23

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1465.288+/-484.834 χ^2/NDF: 27.7/29

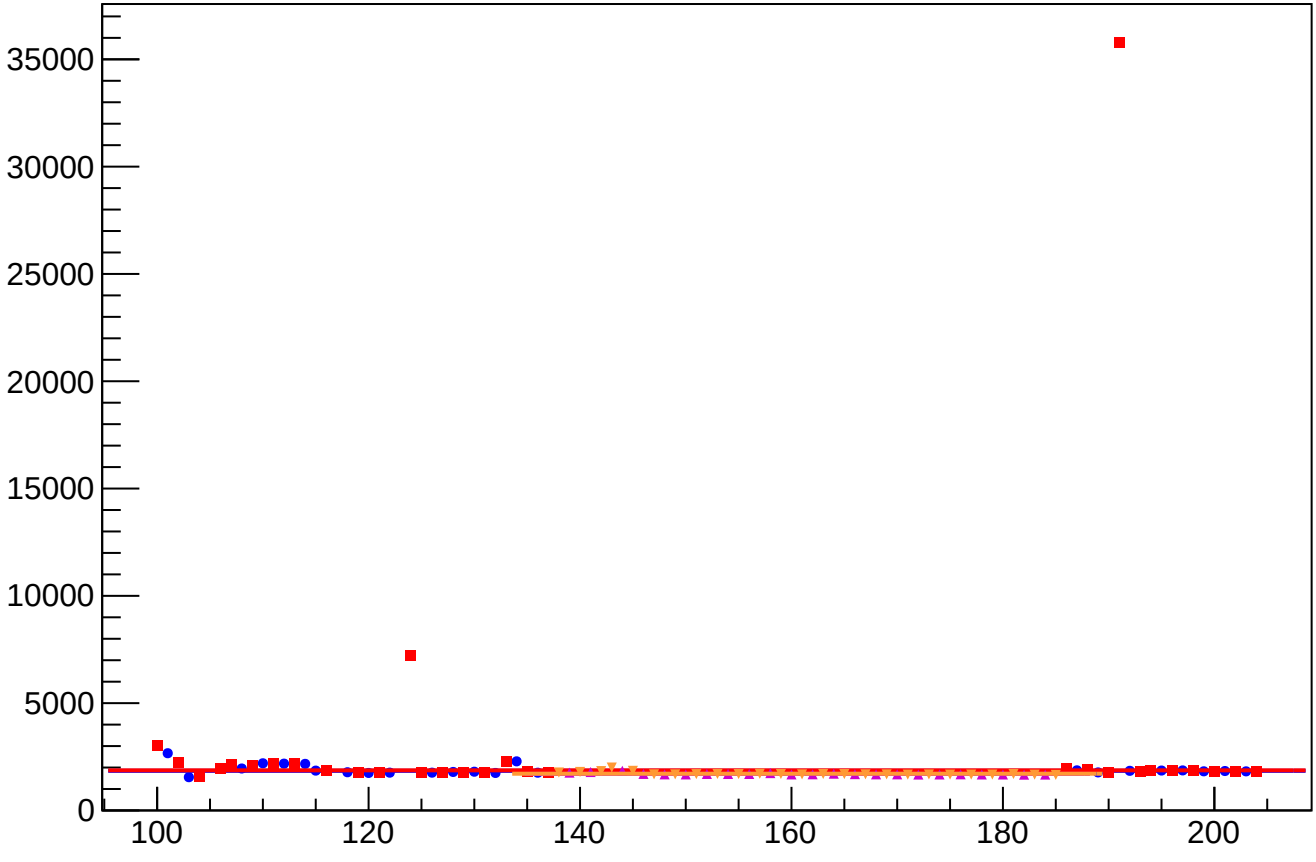
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1735.751+/-309.347 χ^2/NDF: 46.8/48

All: -166.293+/-218.125 χ^2/NDF: 169.5/101

- sign -2047.040+/-307.610 χ^2/NDF: 47.6/52

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1846.131+/-0.361 χ^2/NDF: 266367.7/23

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1869.486+/-0.342 χ^2/NDF: 520444.5/29

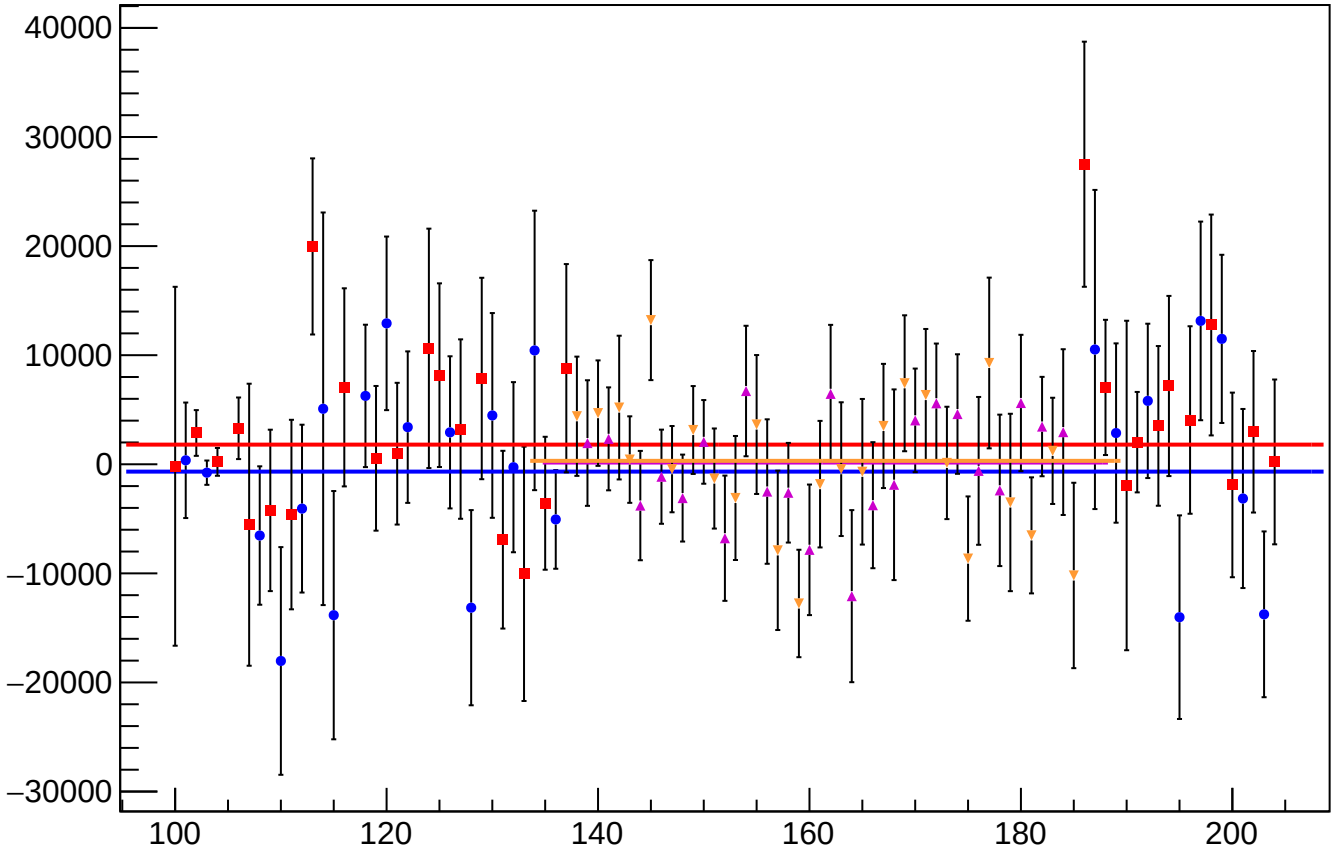
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1761.225+/-0.219 χ^2/NDF: 414181.9/48

All: 1765.983+/-0.154 χ^2/NDF: 1097580.7/10

- sign 1770.685+/-0.217 χ^2/NDF: 682458.0/52

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -672.455+/-916.510 χ^2/NDF: 25.4/23

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1801.829+/-850.058 χ^2/NDF: 22.2/29

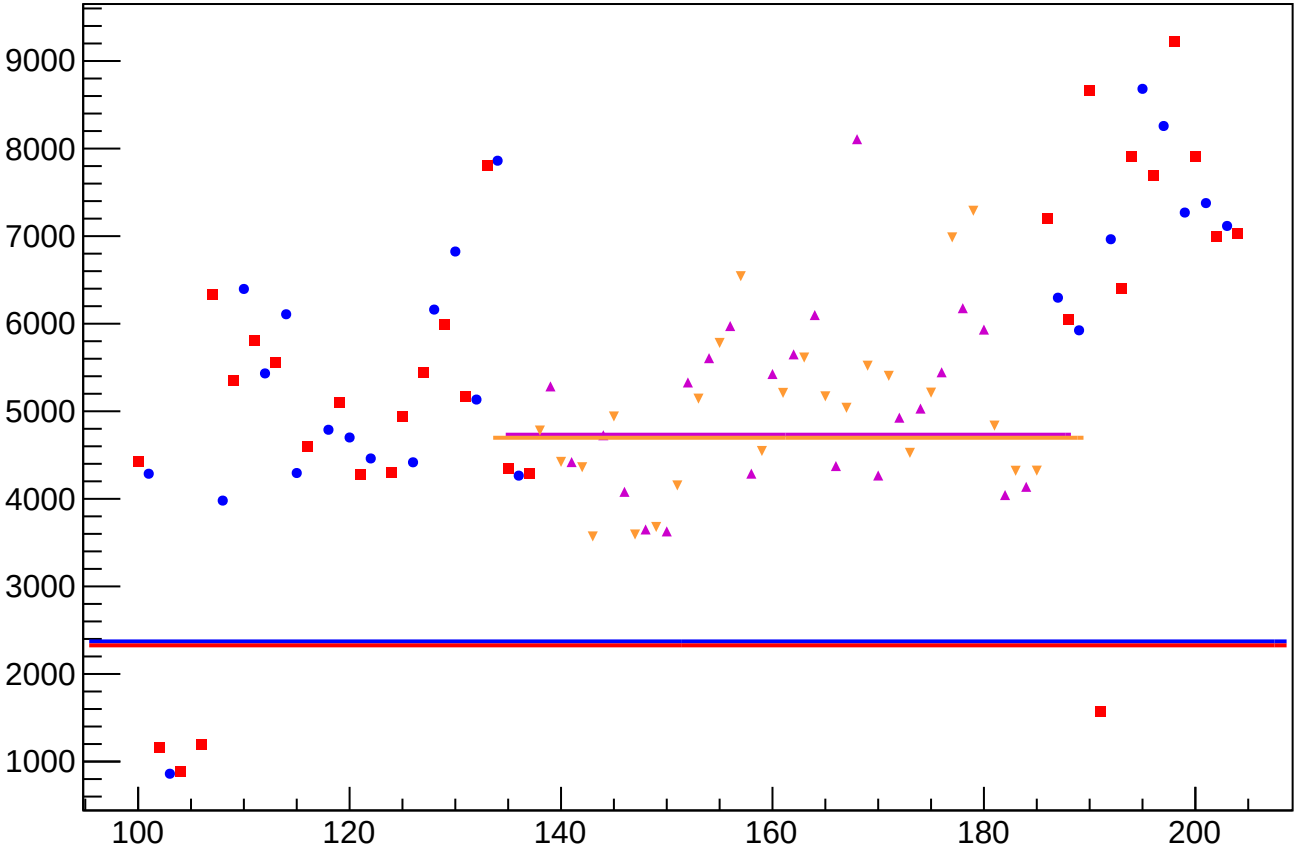
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -264.732+/-702.014 χ^2/NDF: 52.9/48

All: 495.535+/-488.047 χ^2/NDF: 93.5/101

- sign 1206.708+/-678.969 χ^2/NDF: 38.3/52

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2371.772+/-0.648 χ^2/NDF: 12842234.1/23

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

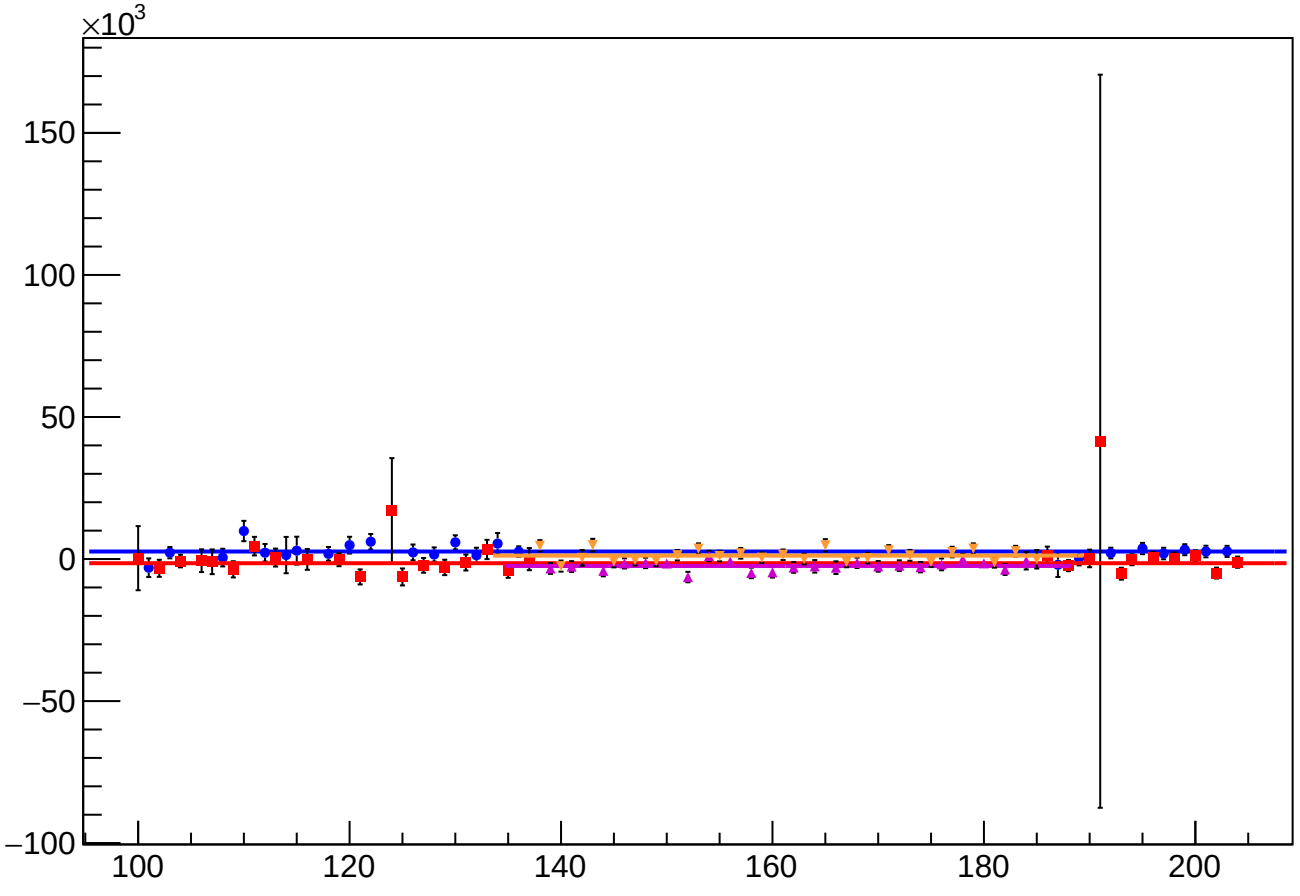
Right Out: 2326.835+/-0.601 χ^2/NDF: 14371233.6/29

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3333.045+/-0.496 χ^2/NDF: 19404938.7/48

All: 3263.126+/-0.345 χ^2/NDF: 40855872.3/1

- sign 3197.721+/-0.480 χ^2/NDF: 21412535.4/52



Right In: 2651.729+/-509.915 χ^2/NDF: 15.4/23

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1464.657+/-484.834 χ^2/NDF: 27.7/29

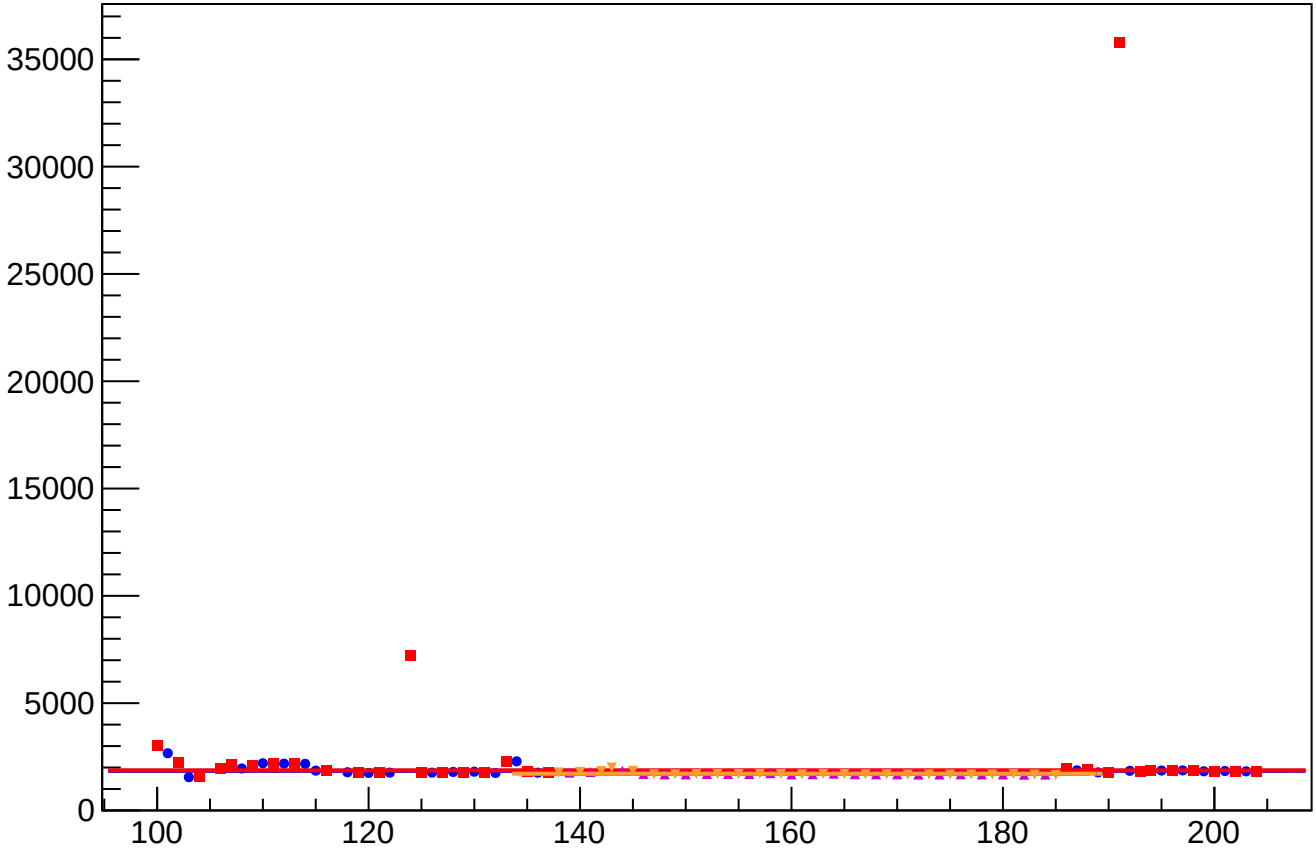
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1735.753+/-309.347 χ^2/NDF: 46.8/48

All: -166.144+/-218.125 χ^2/NDF: 169.5/101

- sign -2046.745+/-307.610 χ^2/NDF: 47.6/52

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1846.131+/-0.361 χ^2/NDF: 266367.6/23

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1869.698+/-0.342 χ^2/NDF: 520766.6/29

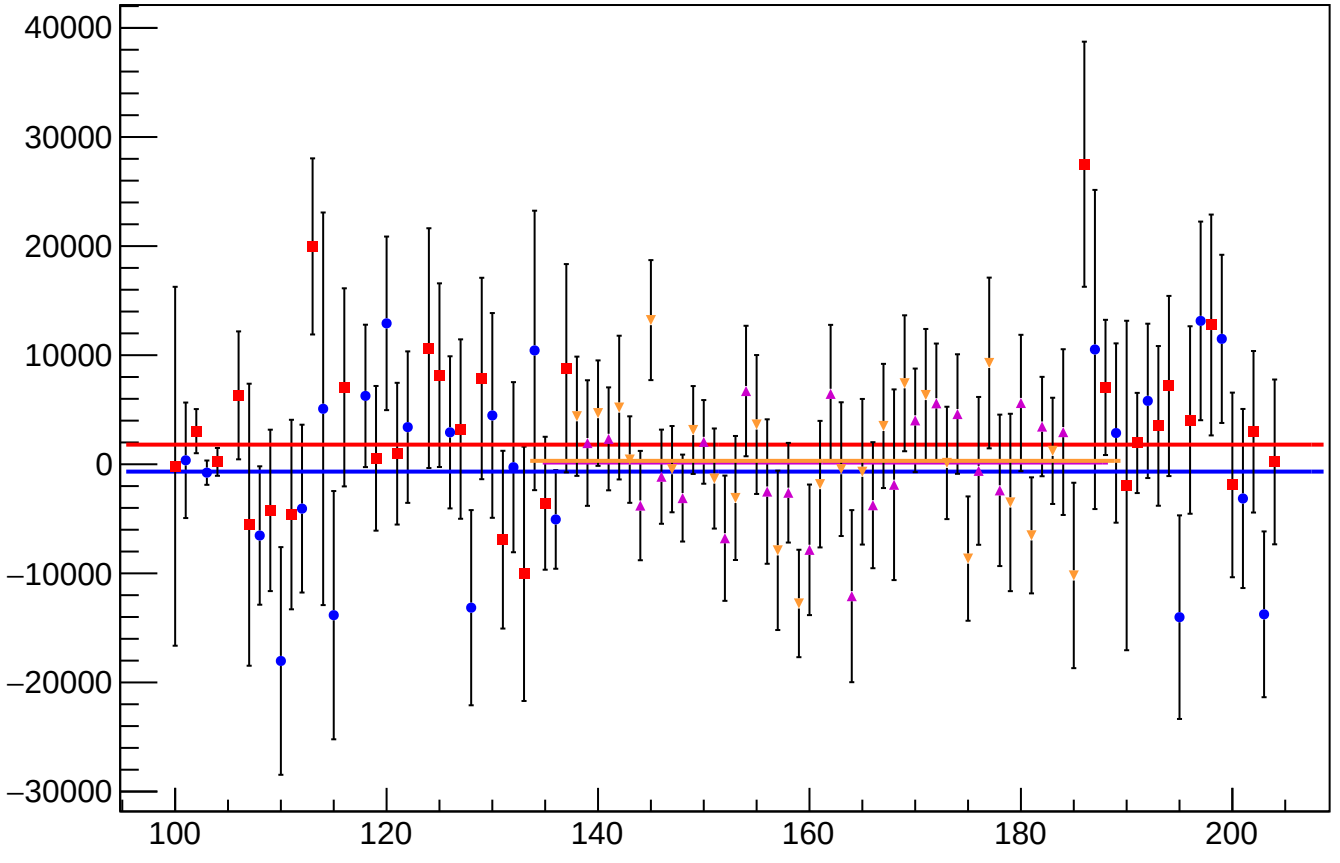
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1761.225+/-0.219 χ^2/NDF: 414181.8/48

All: 1766.022+/-0.154 χ^2/NDF: 1098256.6/10

- sign 1770.761+/-0.217 χ^2/NDF: 683118.7/52

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -672.014+/-916.464 χ^2/NDF: 25.4/23

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1800.326+/-875.558 χ^2/NDF: 22.7/29

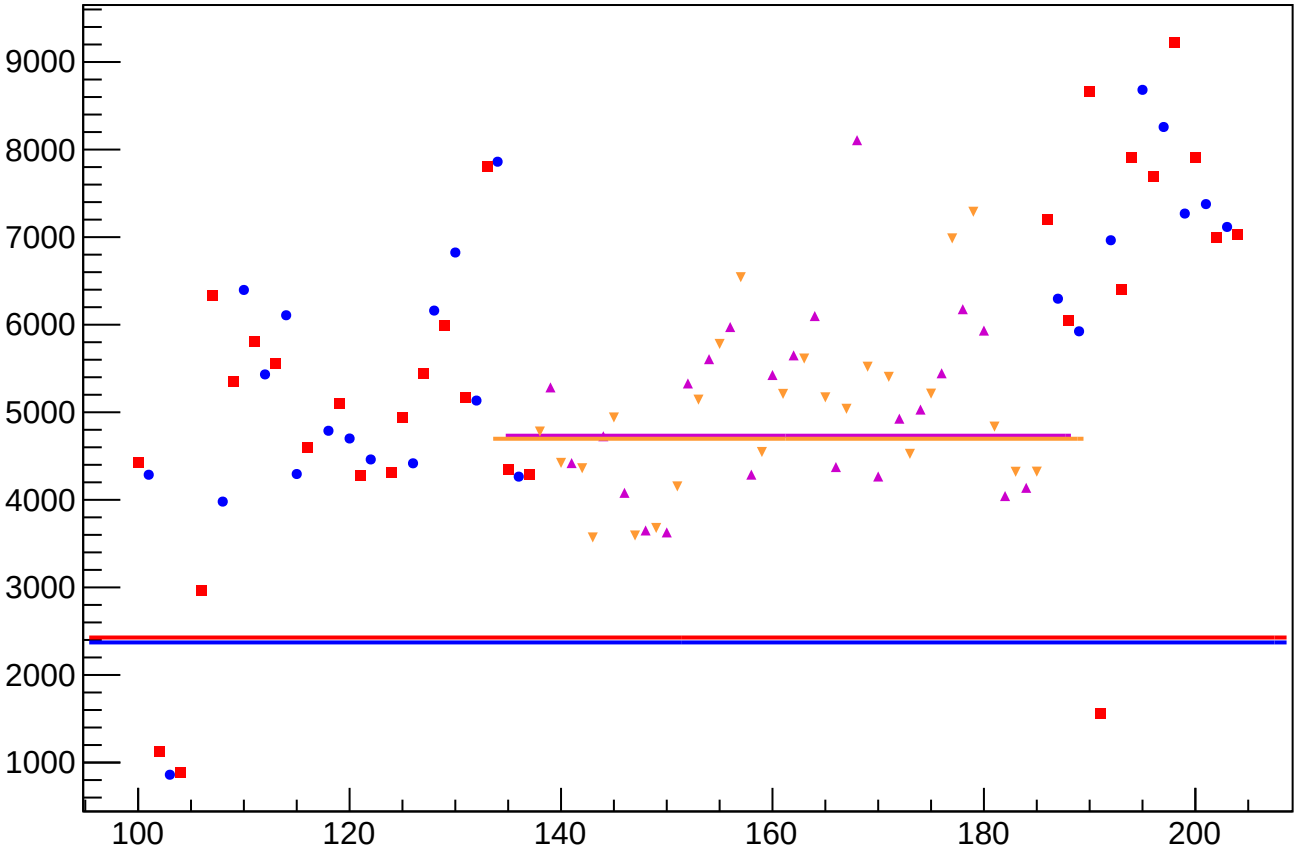
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

\+ sign -264.484+/-701.993 χ^2/NDF: 52.9/48

All: 469.969+/-492.724 χ^2/NDF: 93.8/101

\- sign 1183.151+/-691.753 χ^2/NDF: 38.7/52

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2371.583+/-0.648 χ^2/NDF: 12843053.7/23

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2427.887+/-0.619 χ^2/NDF: 14135871.7/29

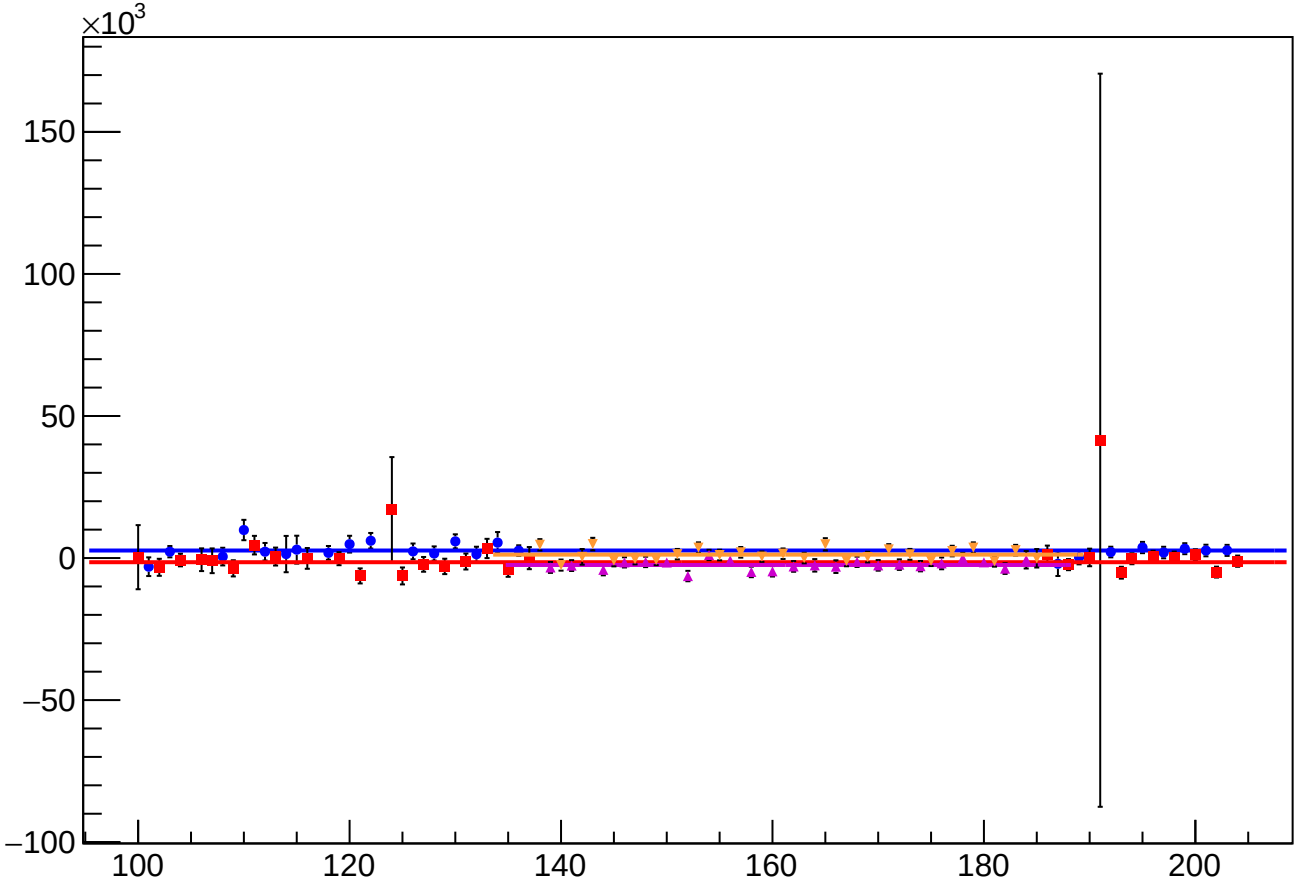
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3332.876+/-0.496 χ^2/NDF: 19406847.6/48

All: 3313.103+/-0.348 χ^2/NDF: 39995439.1/1

- sign 3293.902+/-0.489 χ^2/NDF: 20585463.8/52

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2651.729+/-509.915 χ^2/NDF: 15.4/23

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1464.657+/-484.834 χ^2/NDF: 27.7/29

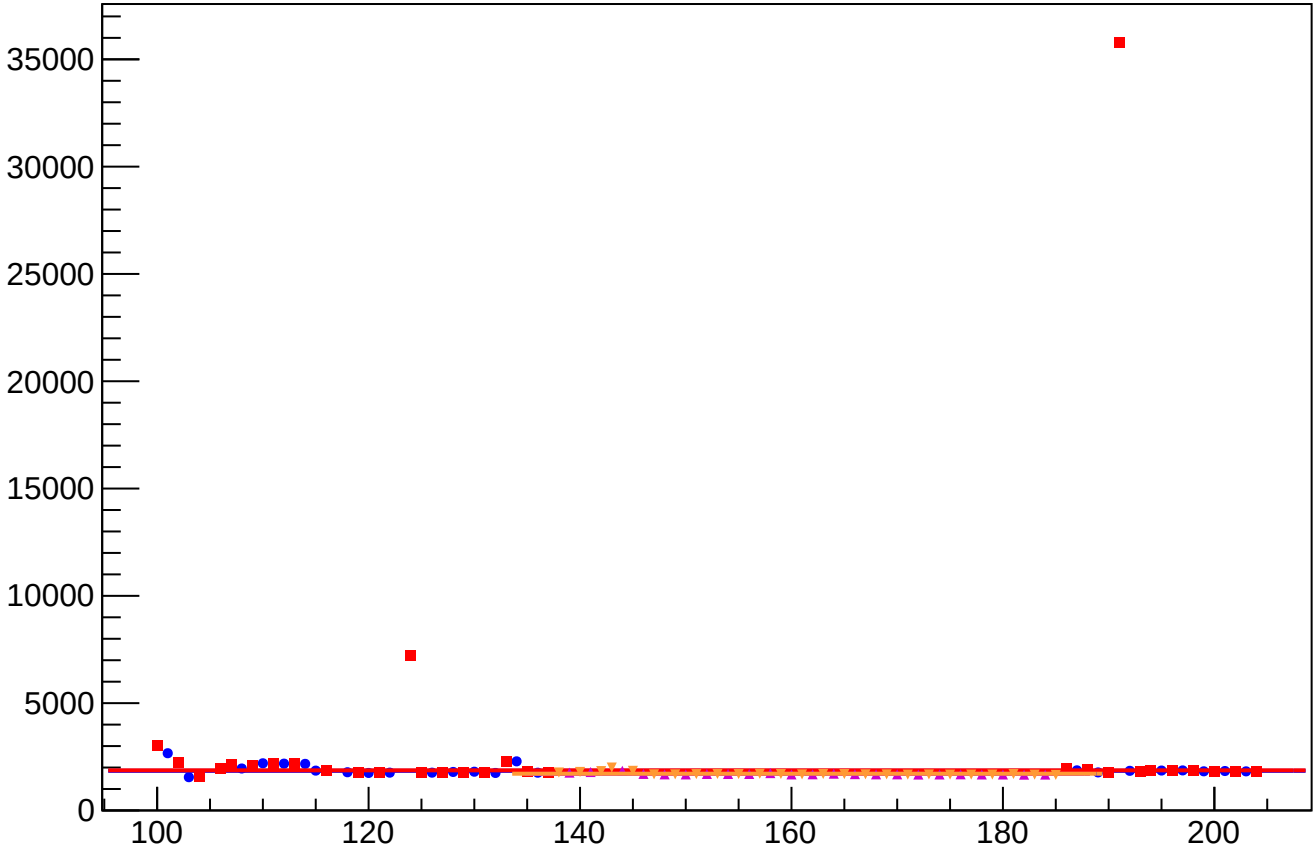
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1735.753+/-309.347 χ^2/NDF: 46.8/48

All: -166.144+/-218.125 χ^2/NDF: 169.5/101

- sign -2046.745+/-307.610 χ^2/NDF: 47.6/52

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1846.131+/-0.361 χ^2/NDF: 266367.6/23

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1869.698+/-0.342 χ^2/NDF: 520766.6/29

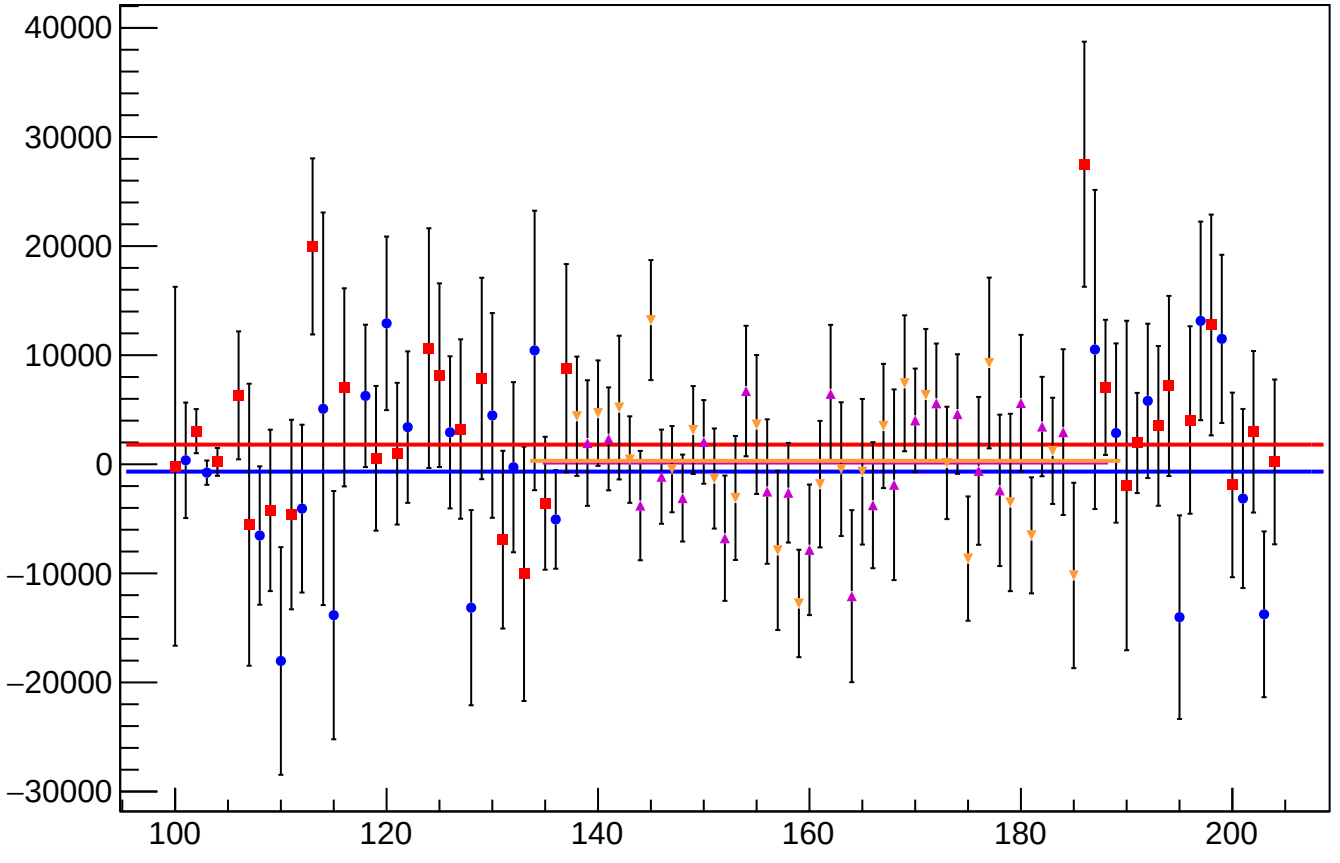
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1761.225+/-0.219 χ^2/NDF: 414181.8/48

All: 1766.022+/-0.154 χ^2/NDF: 1098256.6/10

- sign 1770.761+/-0.217 χ^2/NDF: 683118.7/52

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -672.014+/-916.464 χ^2/NDF: 25.4/23

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

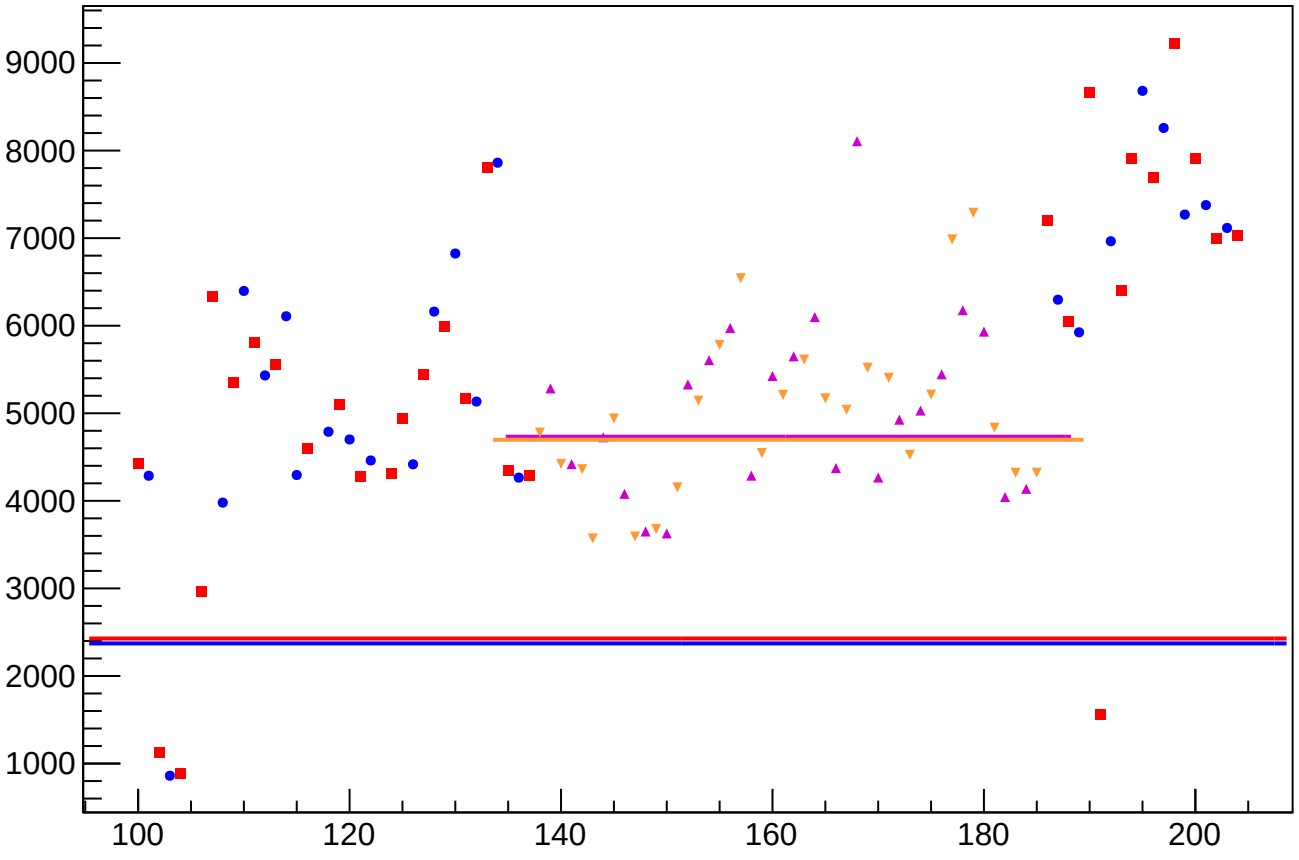
Right Out: 1800.326+/-875.558 χ^2/NDF: 22.7/29

Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -264.484+/-701.993 χ^2/NDF: 52.9/48

All: 469.969+/-492.724 χ^2/NDF: 93.8/101

- sign 1183.151+/-691.753 χ^2/NDF: 38.7/52



Right In: 2371.583+/-0.648 χ^2/NDF: 12843053.7/23

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2427.887+/-0.619 χ^2/NDF: 14135871.7/29

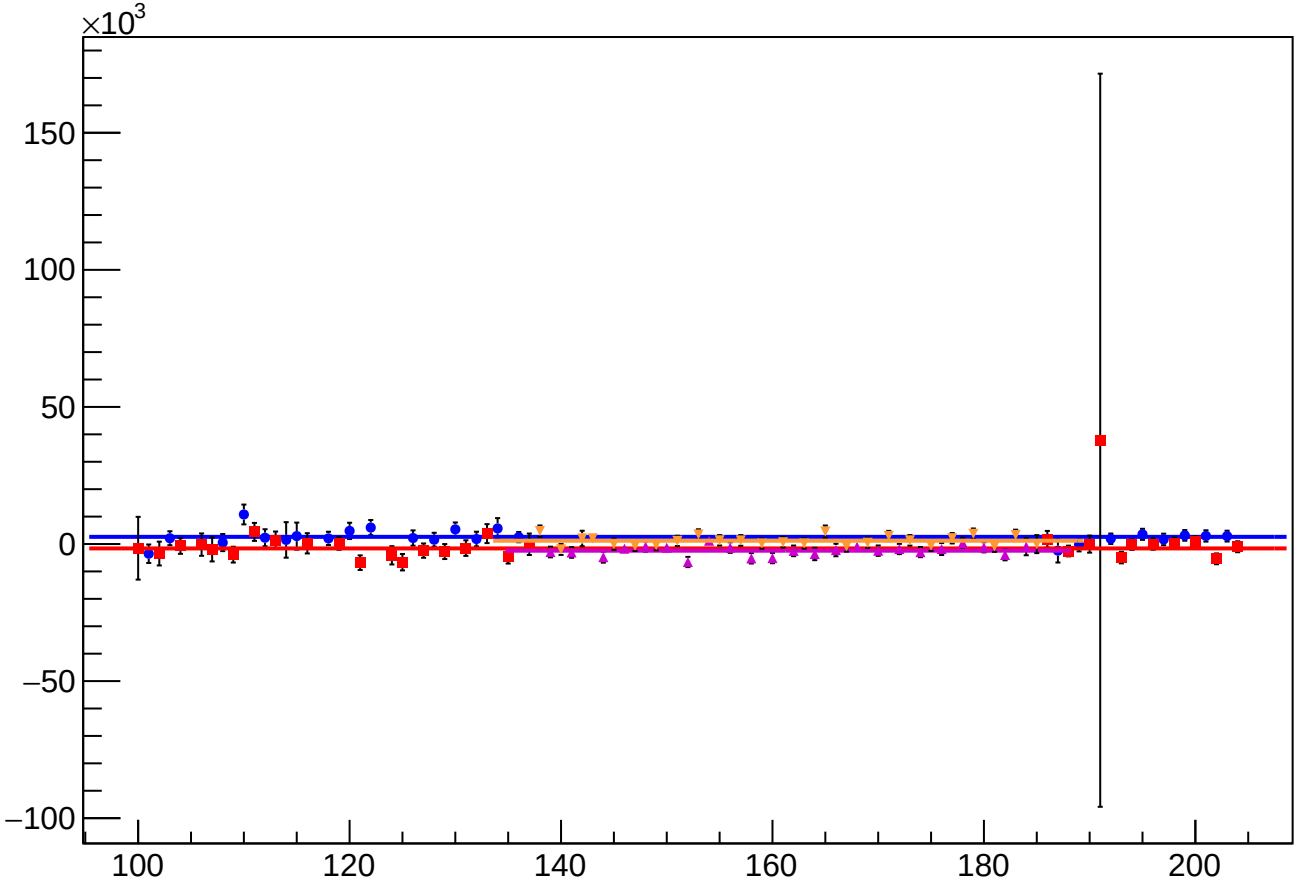
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3332.876+/-0.496 χ^2/NDF: 19406847.6/48

All: 3313.103+/-0.348 χ^2/NDF: 39995439.1/1

- sign 3293.902+/-0.489 χ^2/NDF: 20585463.8/52

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2612.852+/-522.961 χ^2/NDF: 16.5/23

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1608.590+/-493.263 χ^2/NDF: 29.2/29

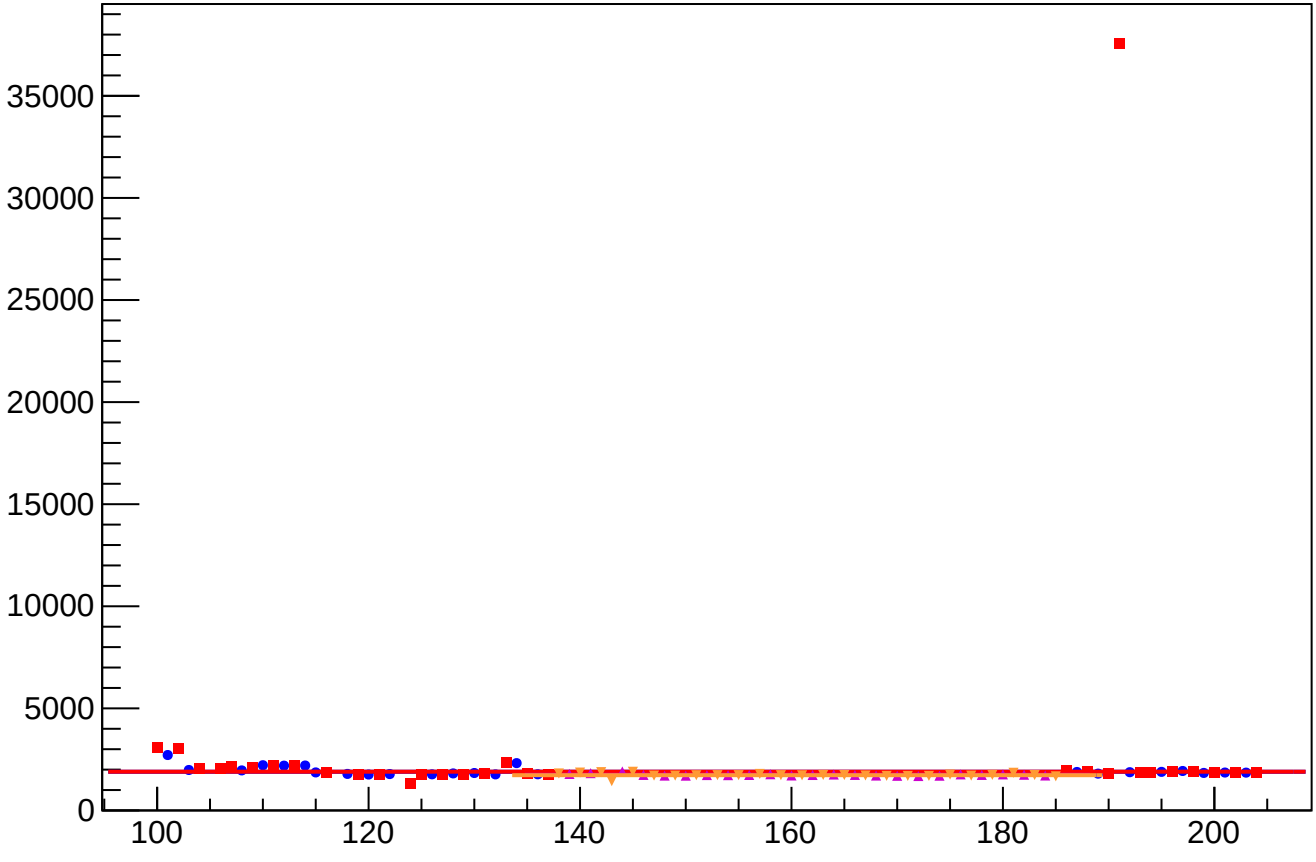
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1708.202+/-314.166 χ^2/NDF: 40.7/48

All: -196.560+/-222.155 χ^2/NDF: 165.7/101

- sign -2101.542+/-314.184 χ^2/NDF: 51.5/52

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1894.147+/-0.370 χ^2/NDF: 224637.9/23

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1898.731+/-0.349 χ^2/NDF: 501323.8/29

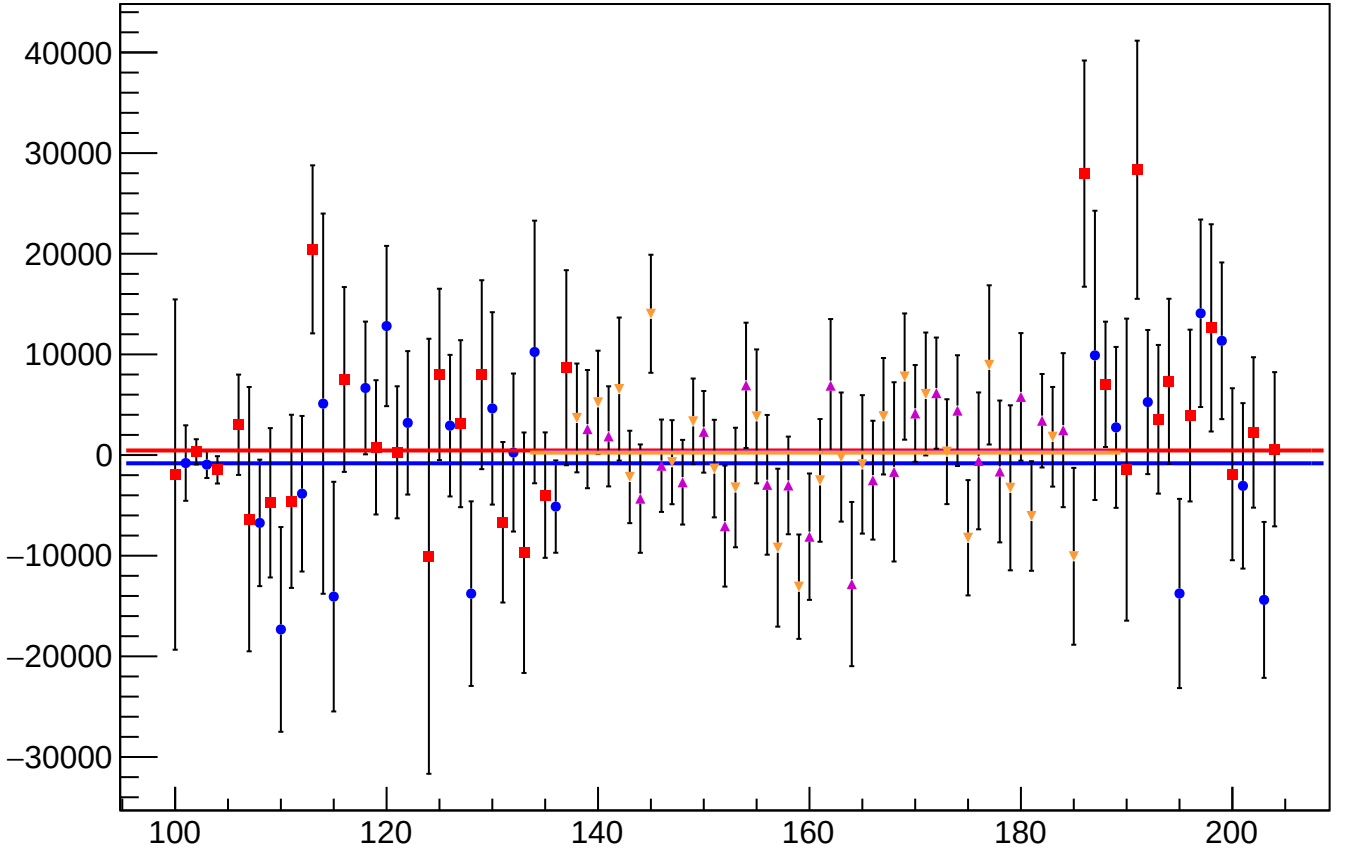
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1787.472+/-0.222 χ^2/NDF: 465116.6/48

All: 1797.327+/-0.157 χ^2/NDF: 1113230.2/10

- sign 1807.180+/-0.222 χ^2/NDF: 644178.1/52

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -819.501+/-1009.984 χ^2/NDF: 25.4/23

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 454.751+/-795.255 χ^2/NDF: 28.7/29

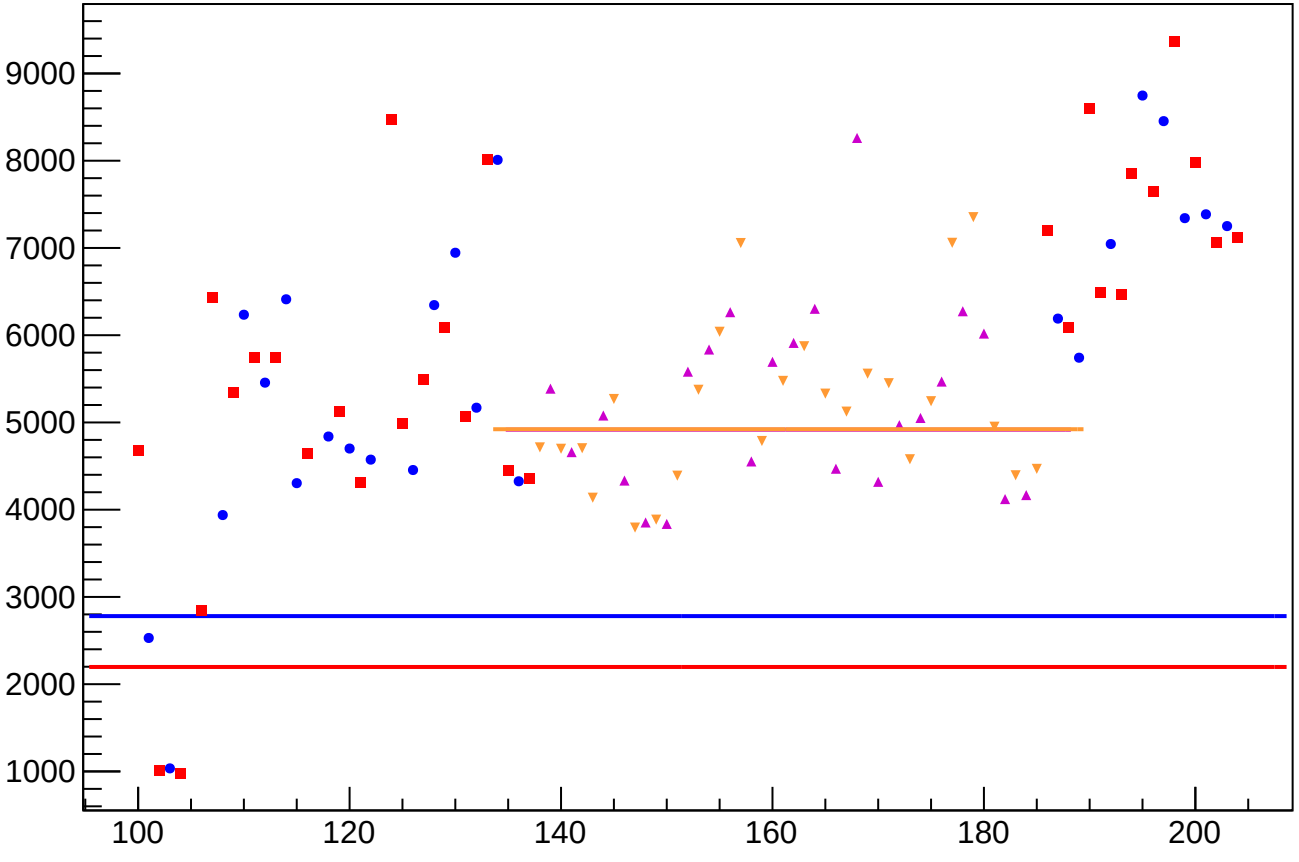
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -353.531+/-756.253 χ^2/NDF: 52.6/48

All: 79.856+/-496.356 χ^2/NDF: 96.4/101

- sign 407.834+/-657.888 χ^2/NDF: 43.2/52

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2780.354+/-0.714 χ^2/NDF: 10691927.9/23

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2197.275+/-0.562 χ^2/NDF: 15391695.9/29

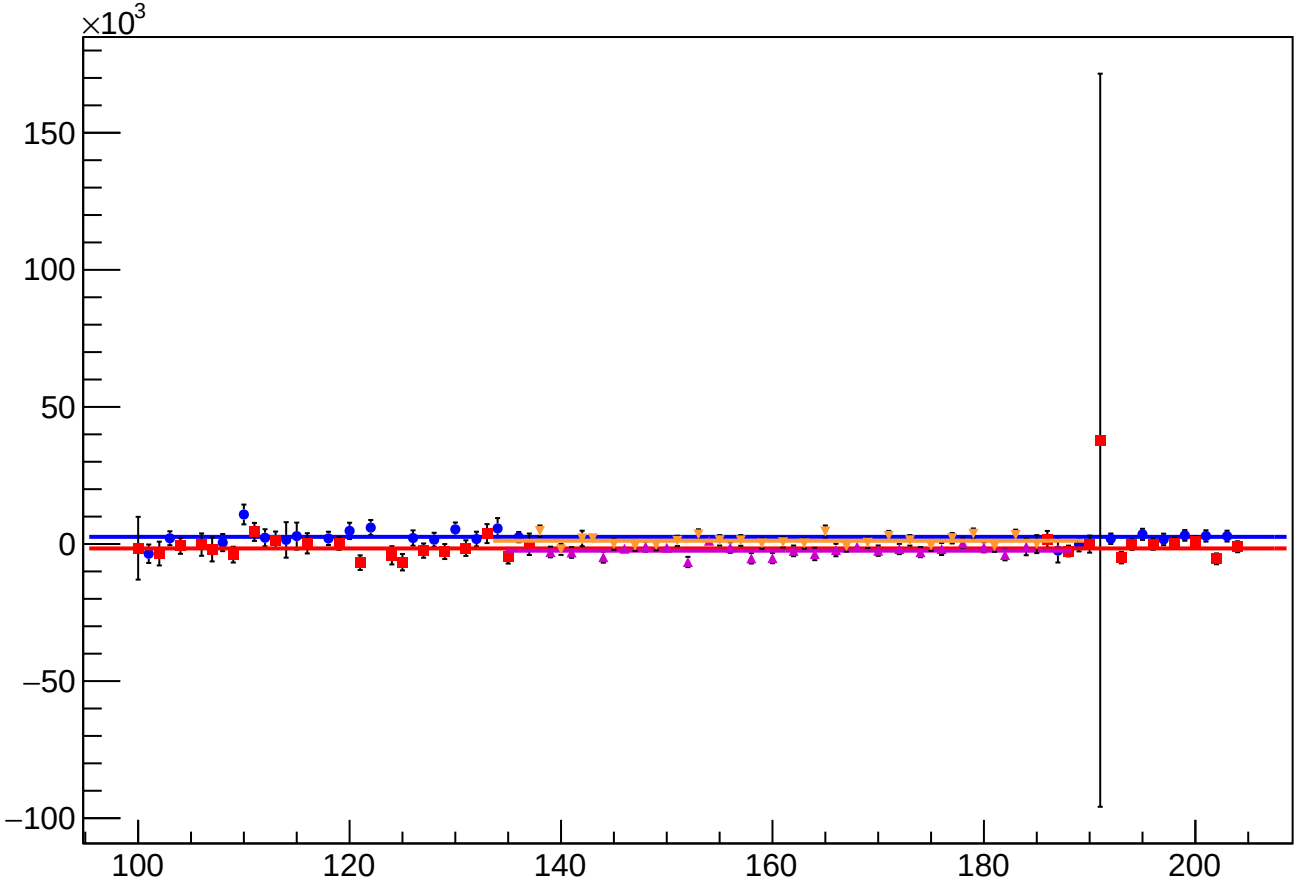
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3721.416+/-0.535 χ^2/NDF: 15694579.1/48

All: 3342.468+/-0.351 χ^2/NDF: 40513118.2/1

- sign 3055.688+/-0.465 χ^2/NDF: 23936330.2/52

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2612.850+/-522.961 χ^2/NDF: 16.5/23

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1608.591+/-493.263 χ^2/NDF: 29.2/29

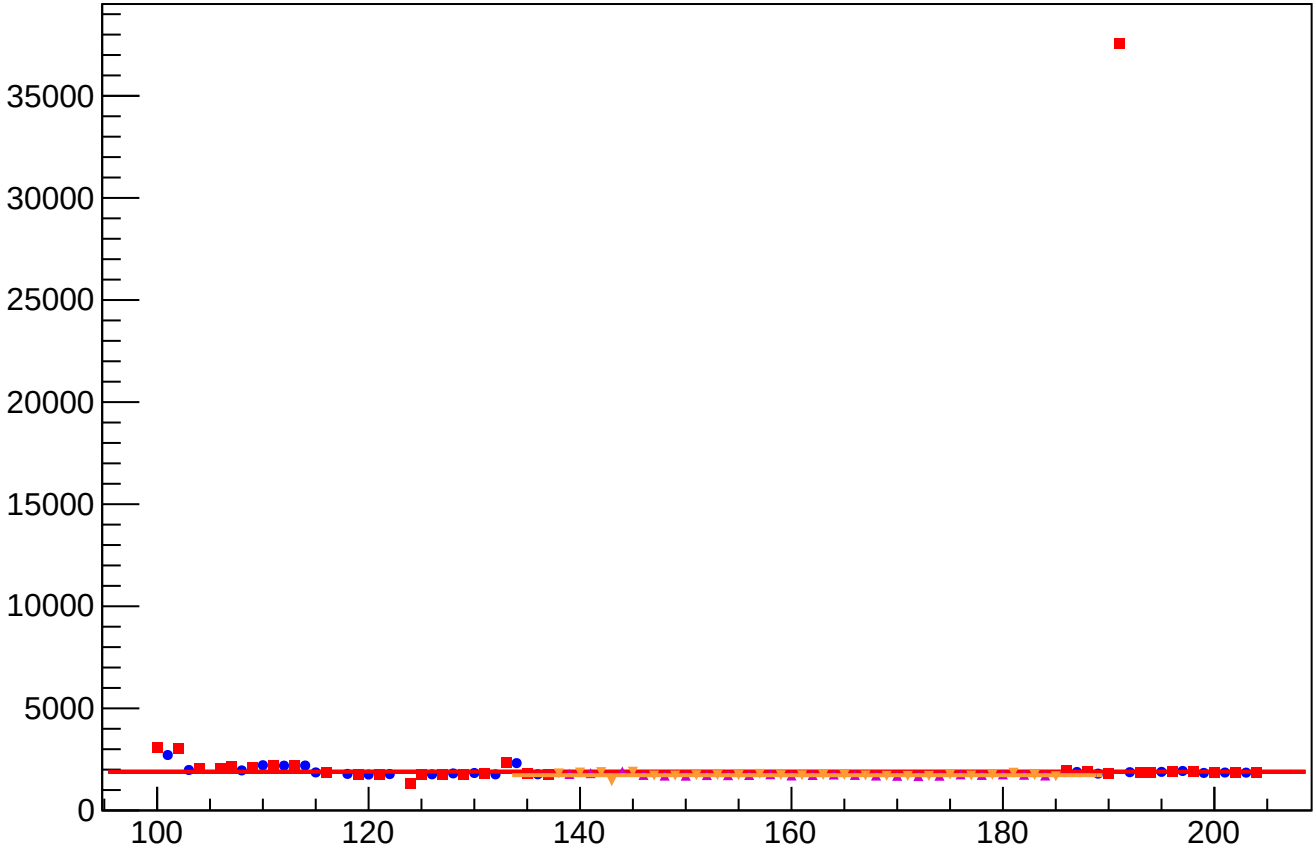
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1708.198+/-314.166 χ^2/NDF: 40.7/48

All: -196.563+/-222.155 χ^2/NDF: 165.7/101

- sign -2101.542+/-314.184 χ^2/NDF: 51.5/52

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1894.146+/-0.370 χ^2/NDF: 224637.9/23

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1898.731+/-0.349 χ^2/NDF: 501322.5/29

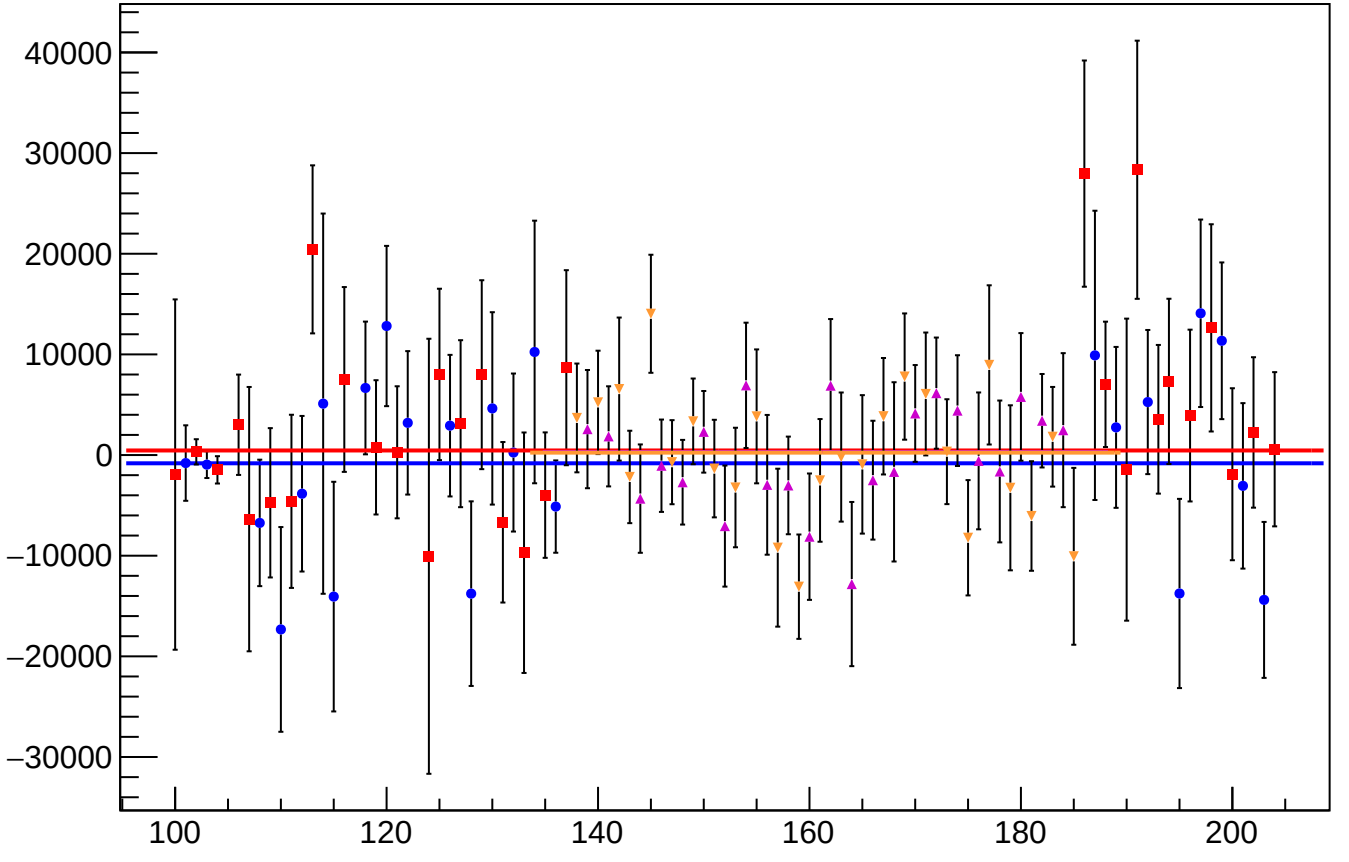
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1787.473+/-0.222 χ^2/NDF: 465113.8/48

All: 1797.327+/-0.157 χ^2/NDF: 1113224.8/10

- sign 1807.180+/-0.222 χ^2/NDF: 644175.6/52

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -819.499+/-1009.984 χ^2/NDF: 25.4/23

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 454.755+/-795.255 χ^2/NDF: 28.7/29

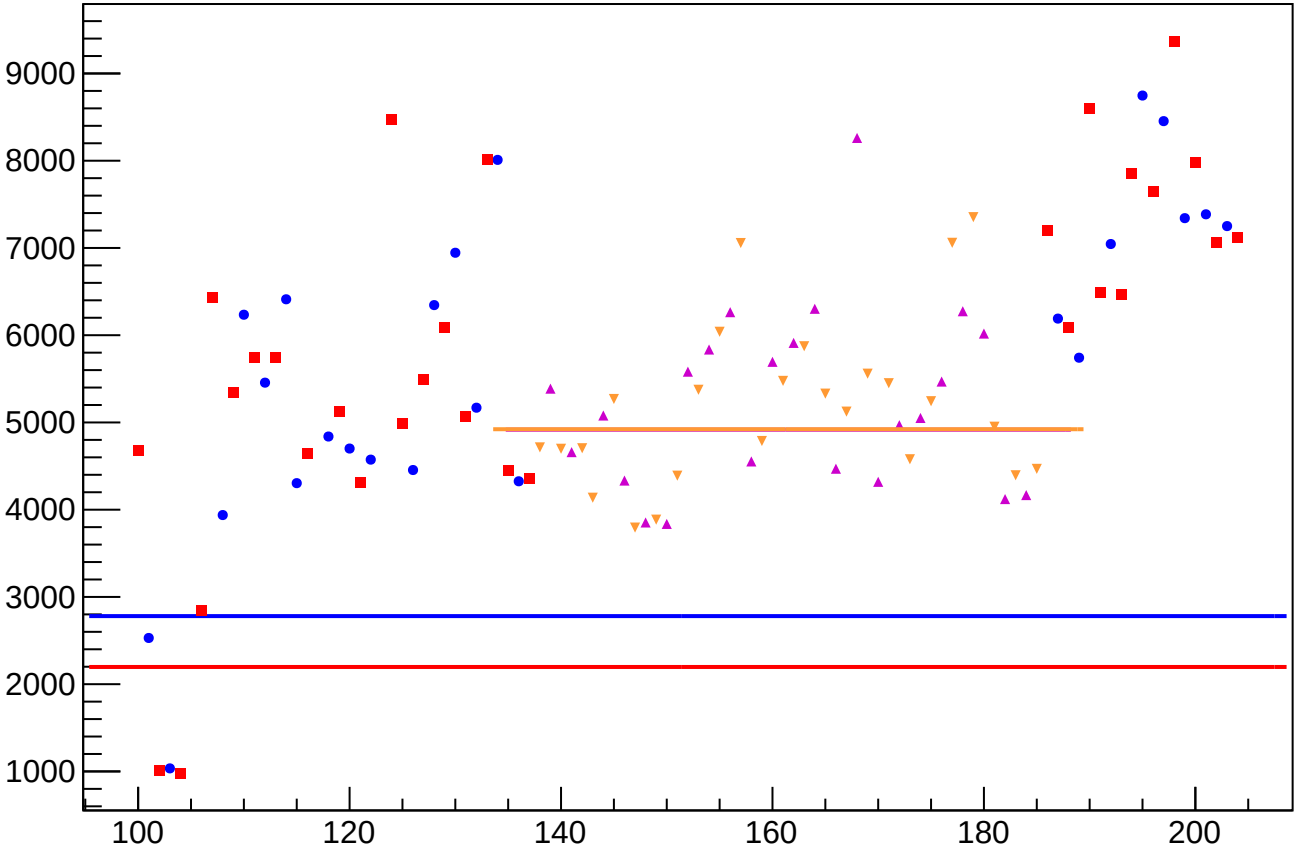
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign -353.532+/-756.254 χ^2/NDF: 52.6/48

All: 79.858+/-496.356 χ^2/NDF: 96.4/101

- sign 407.838+/-657.888 χ^2/NDF: 43.2/52

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2780.352+/-0.714 χ^2/NDF: 10691931.7/23

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2197.274+/-0.562 χ^2/NDF: 15391695.9/29

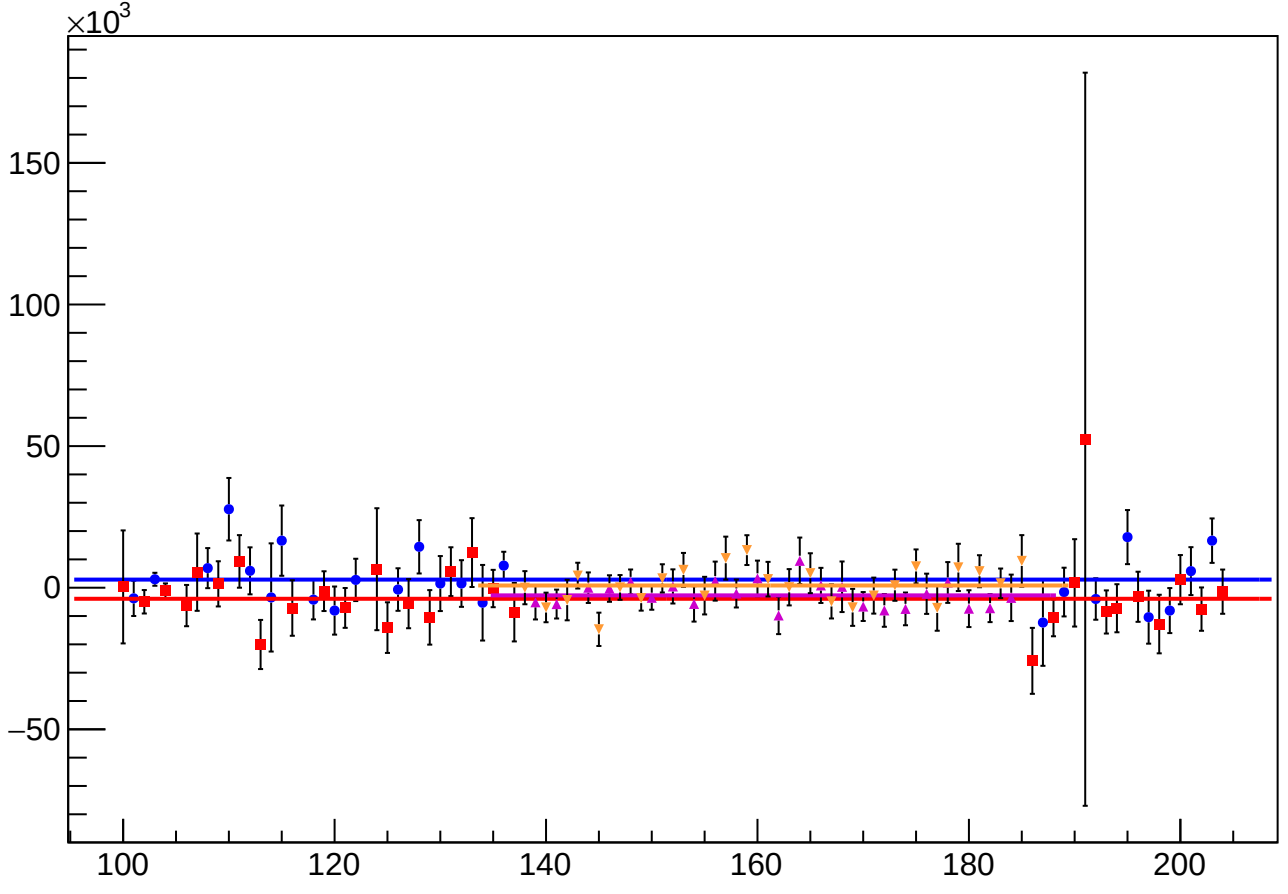
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3721.416+/-0.535 χ^2/NDF: 15694615.2/48

All: 3342.467+/-0.351 χ^2/NDF: 40513193.1/1

- sign 3055.687+/-0.465 χ^2/NDF: 23936366.9/52

asym_atl1r2_avg_mean vs Slug



Right In: 2865.794+/-1377.543 χ^2/NDF: 25.6/23

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3908.816+/-1348.067 χ^2/NDF: 21.0/29

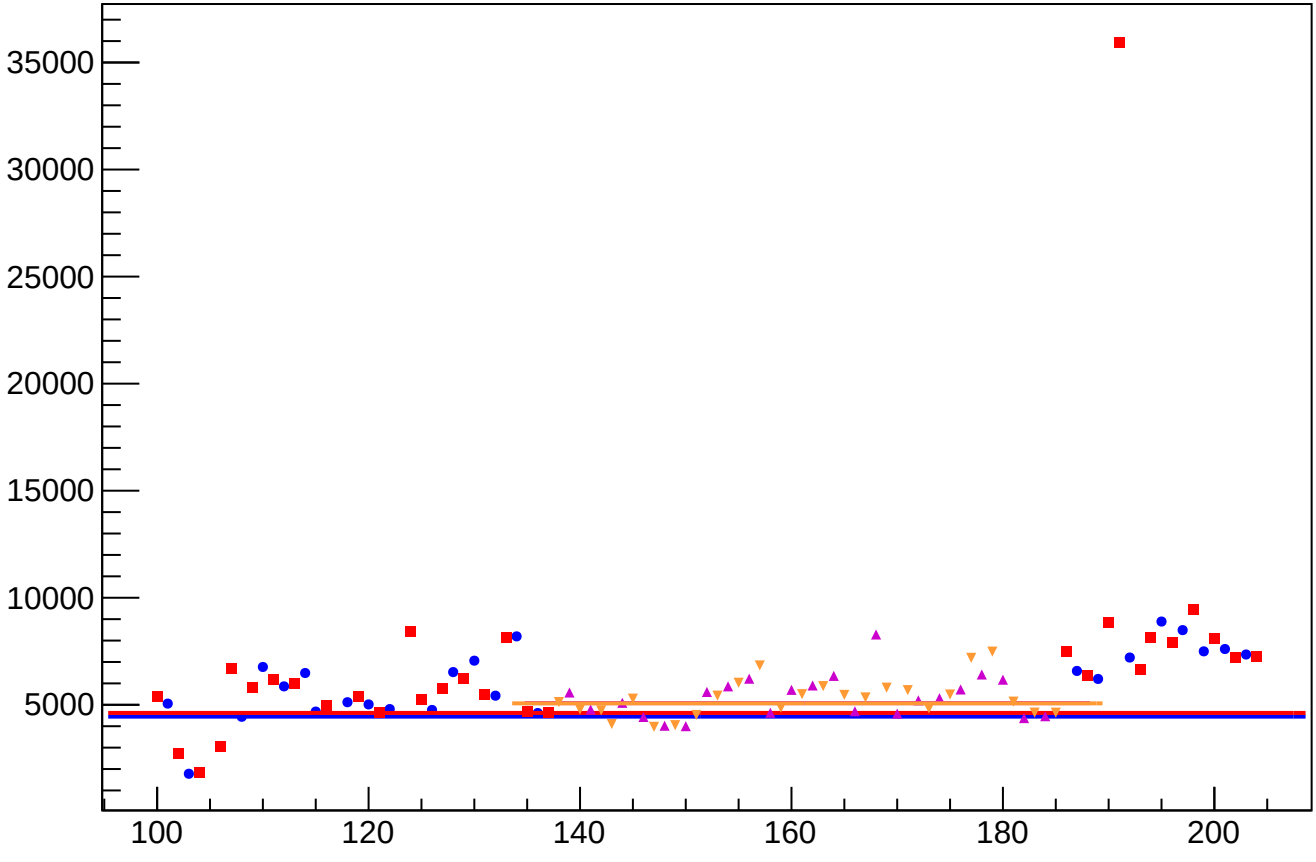
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1660.417+/-892.629 χ^2/NDF: 54.5/48

All: -772.843+/-633.401 χ^2/NDF: 102.7/101

- sign -3240.588+/-898.932 χ^2/NDF: 33.3/52

asym_atl1r2_avg_rms vs Slug



Right In: 4448.209+/-0.974 χ^2/NDF: 5426291.9/23

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4620.328+/-0.946 χ^2/NDF: 5913520.7/29

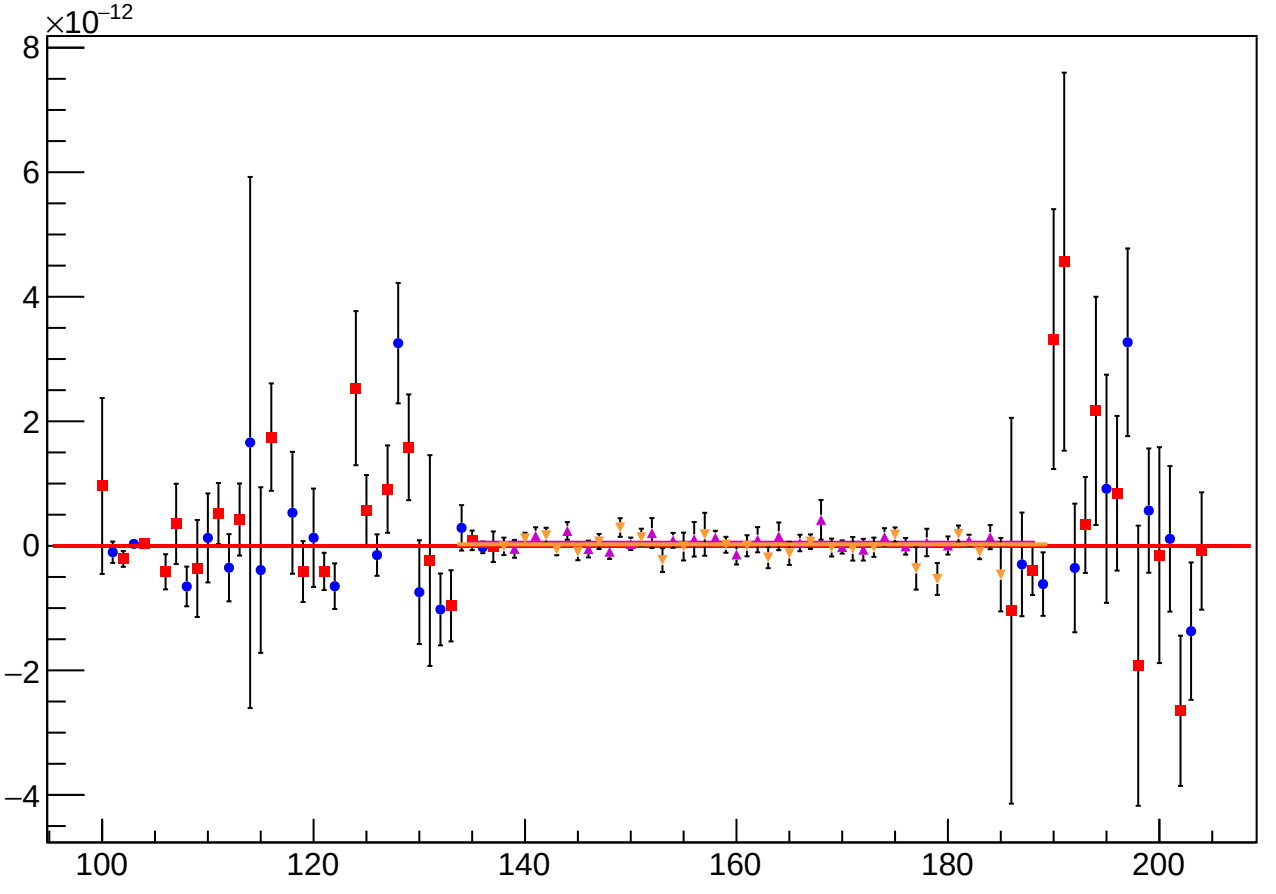
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4807.699+/-0.631 χ^2/NDF: 6615336.0/48

All: 4840.589+/-0.447 χ^2/NDF: 13665616.1/1

- sign 4873.719+/-0.633 χ^2/NDF: 7044829.7/52

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

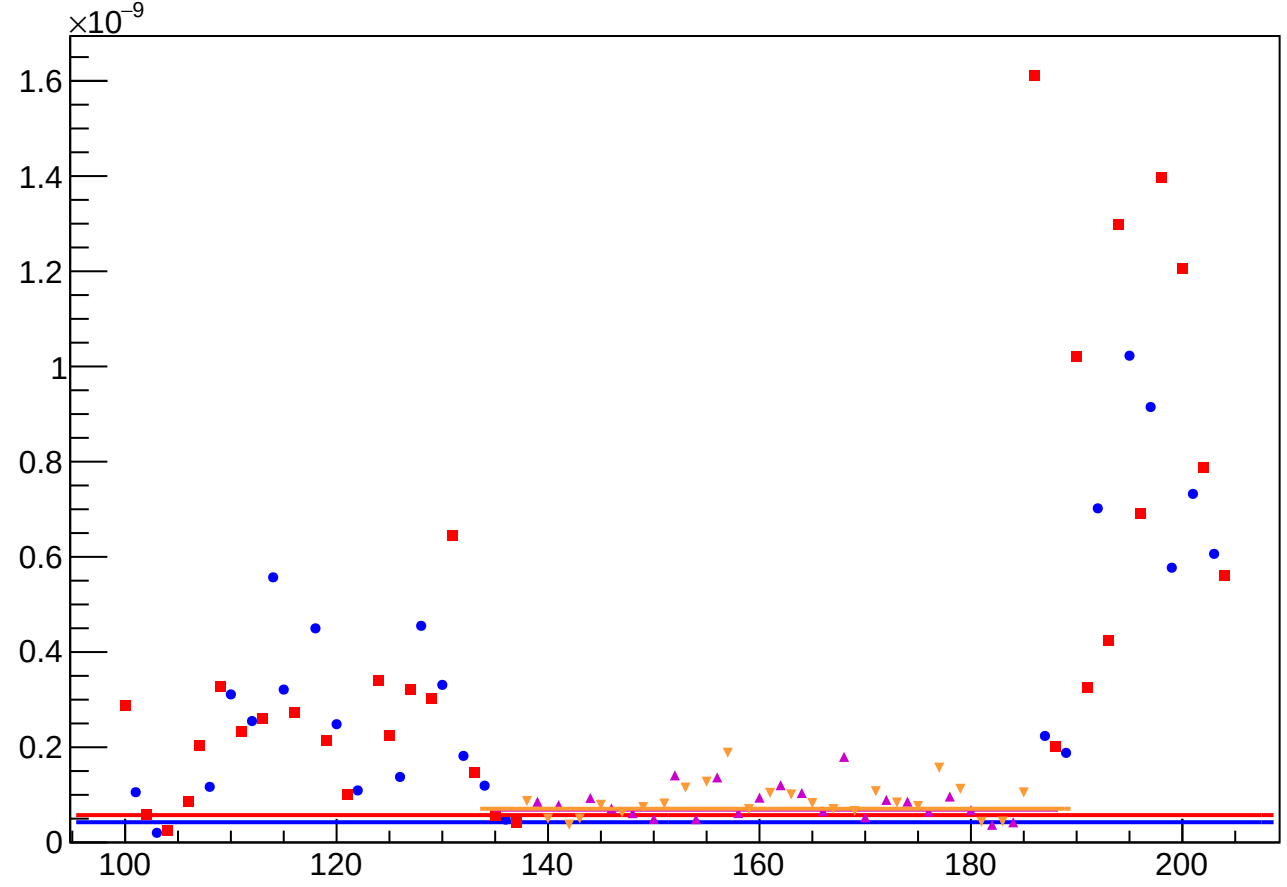
Right Out: -0.000+/-0.000 χ^2/NDF: 41.8/29

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.9/48

All: 0.000+/-0.000 χ^2/NDF: 112.0/101

- sign 0.000+/-0.000 χ^2/NDF: 53.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 7283810.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8968724.2/29

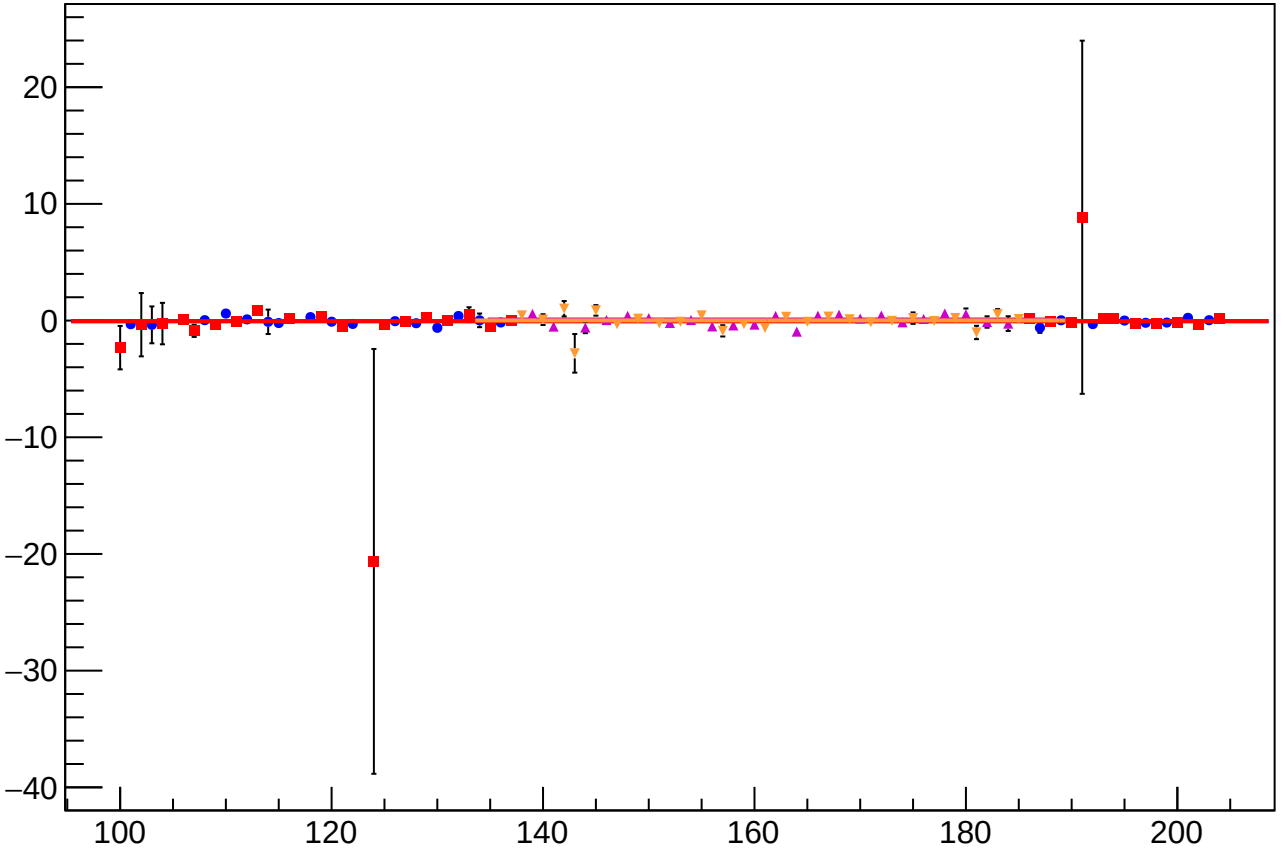
Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9525210.6/48

All: 0.000+/-0.000 χ^2/NDF: 20074895.3/101

- sign 0.000+/-0.000 χ^2/NDF: 10492781.9/52

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.053+/-0.063 χ^2/NDF: 15.7/23

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.052+/-0.053 χ^2/NDF: 29.7/29

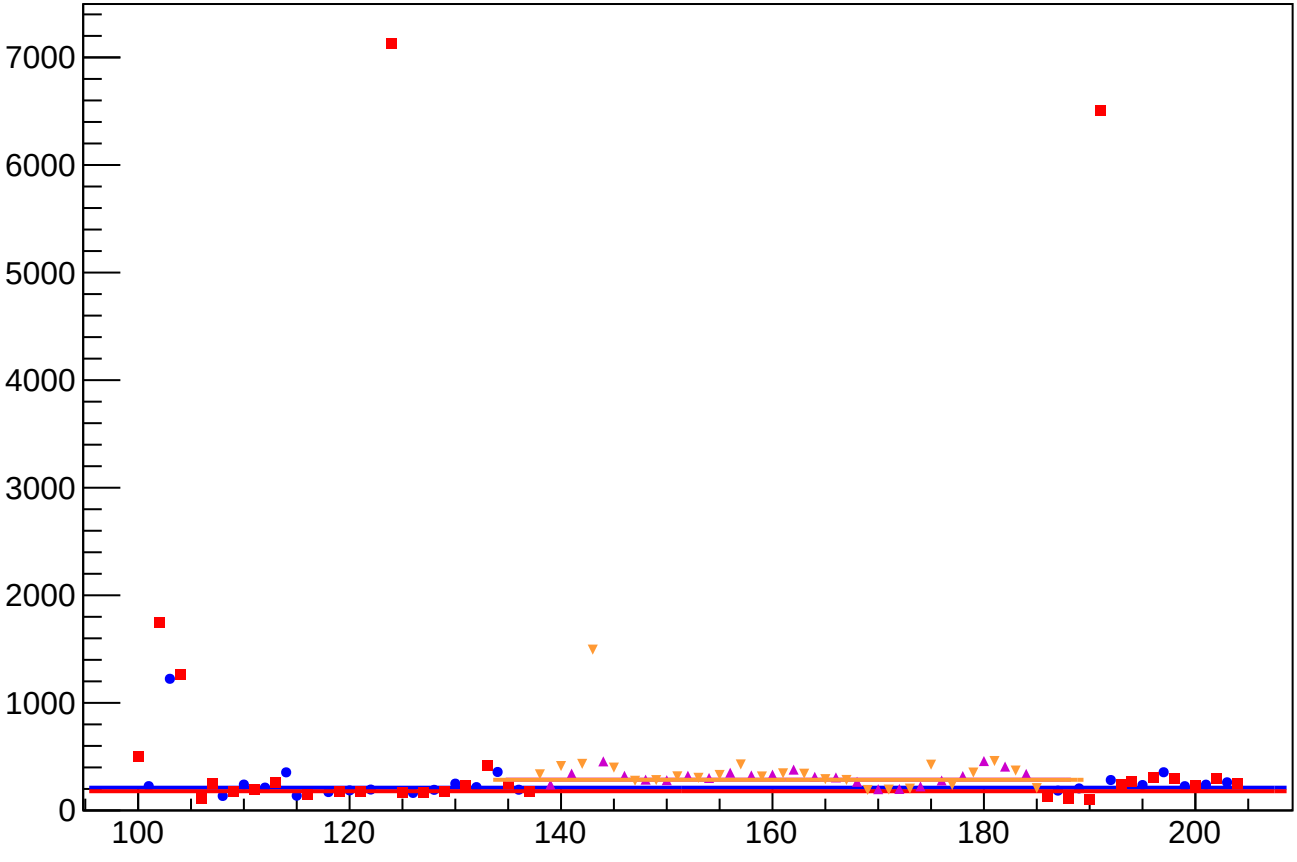
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.023+/-0.047 χ^2/NDF: 44.5/48

All: -0.011+/-0.031 χ^2/NDF: 107.9/101

- sign -0.001+/-0.042 χ^2/NDF: 63.2/52

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 211.573+/-0.044 χ^2/NDF: 1990313.9/23

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

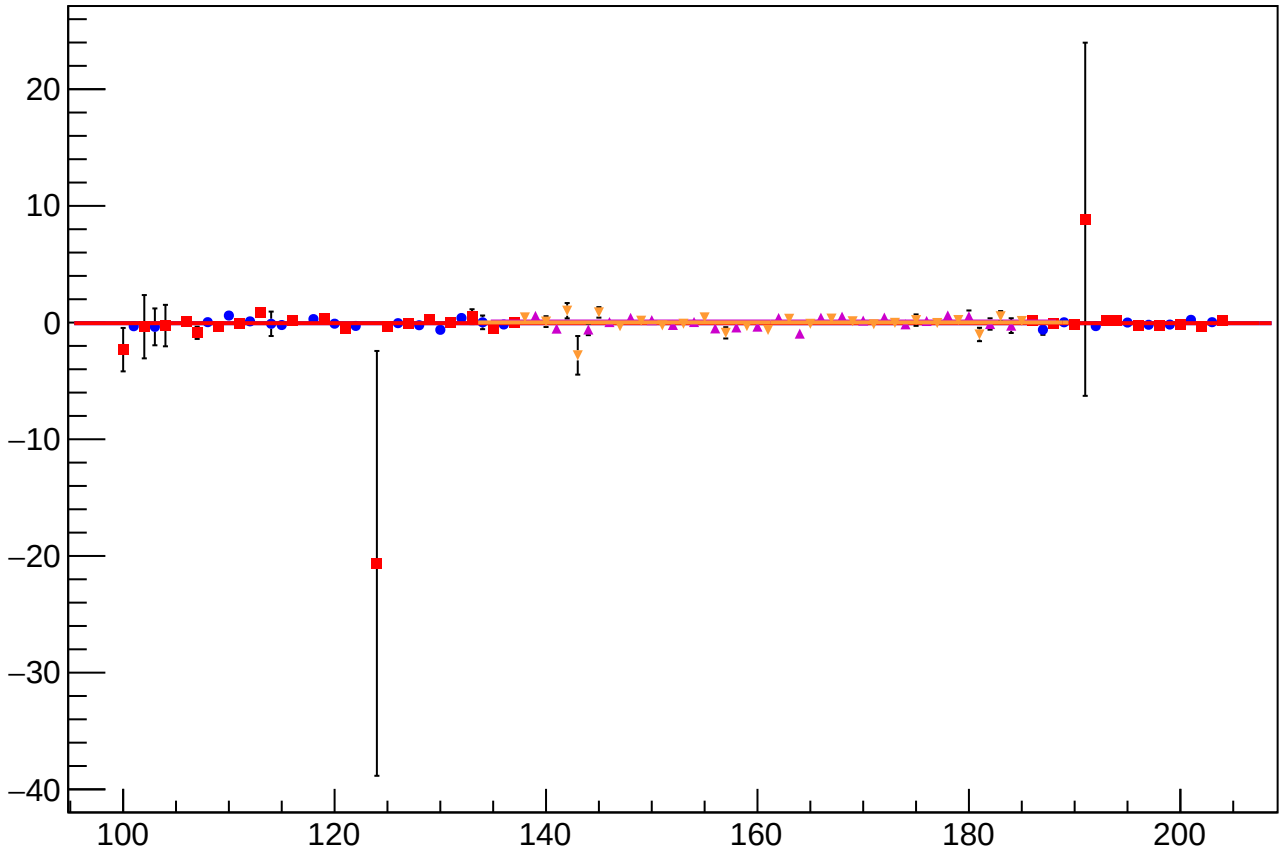
Right Out: 178.731+/-0.037 χ^2/NDF: 5211697.1/29

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 244.275+/-0.033 χ^2/NDF: 6625821.0/48

All: 229.270+/-0.022 χ^2/NDF: 16934433.2/10

- sign 217.018+/-0.030 χ^2/NDF: 9931665.3/52



Right In: -0.053+/-0.063 χ^2/NDF: 15.7/23

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.052+/-0.053 χ^2/NDF: 29.7/29

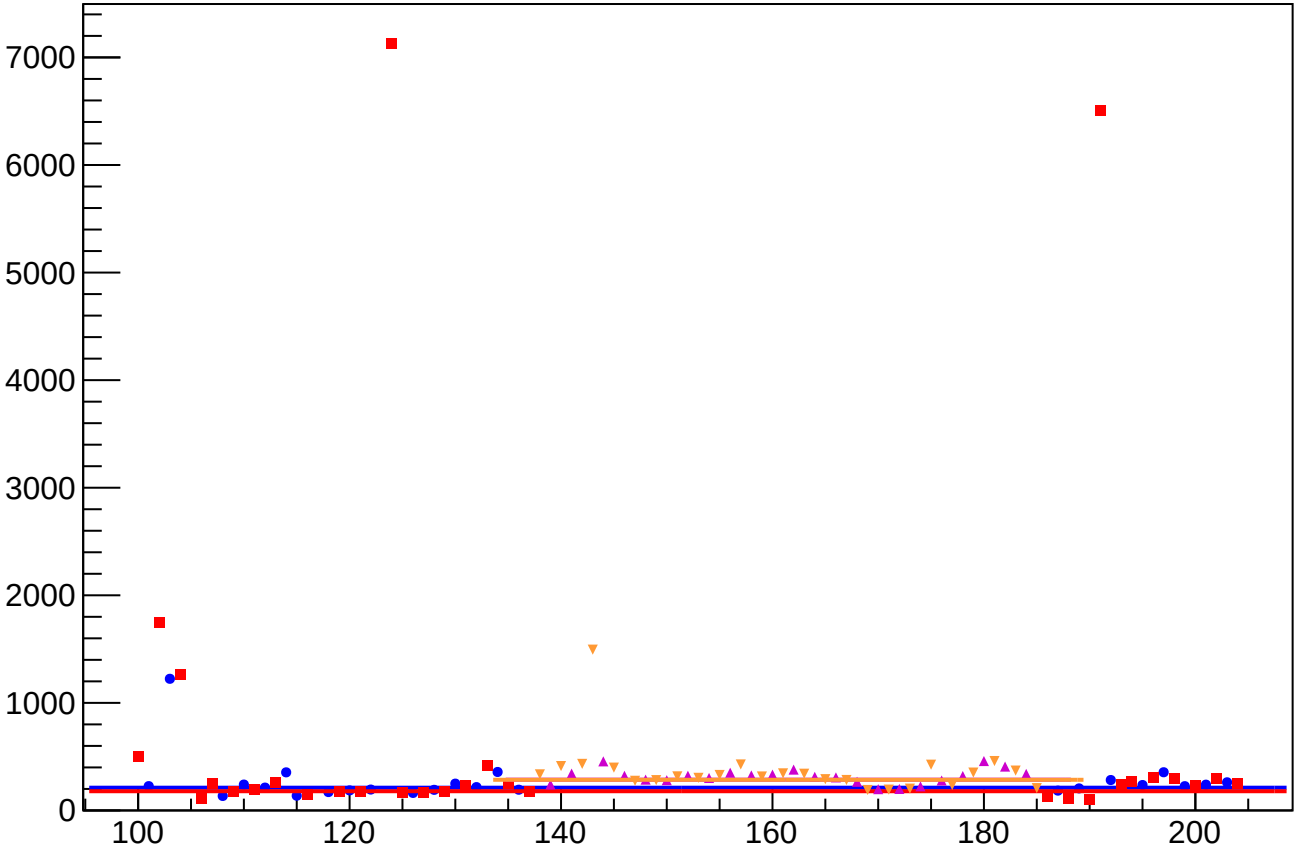
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.023+/-0.047 χ^2/NDF: 44.5/48

All: -0.011+/-0.031 χ^2/NDF: 107.9/101

- sign -0.001+/-0.042 χ^2/NDF: 63.2/52

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 211.573+/-0.044 χ^2/NDF: 1990313.9/23

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

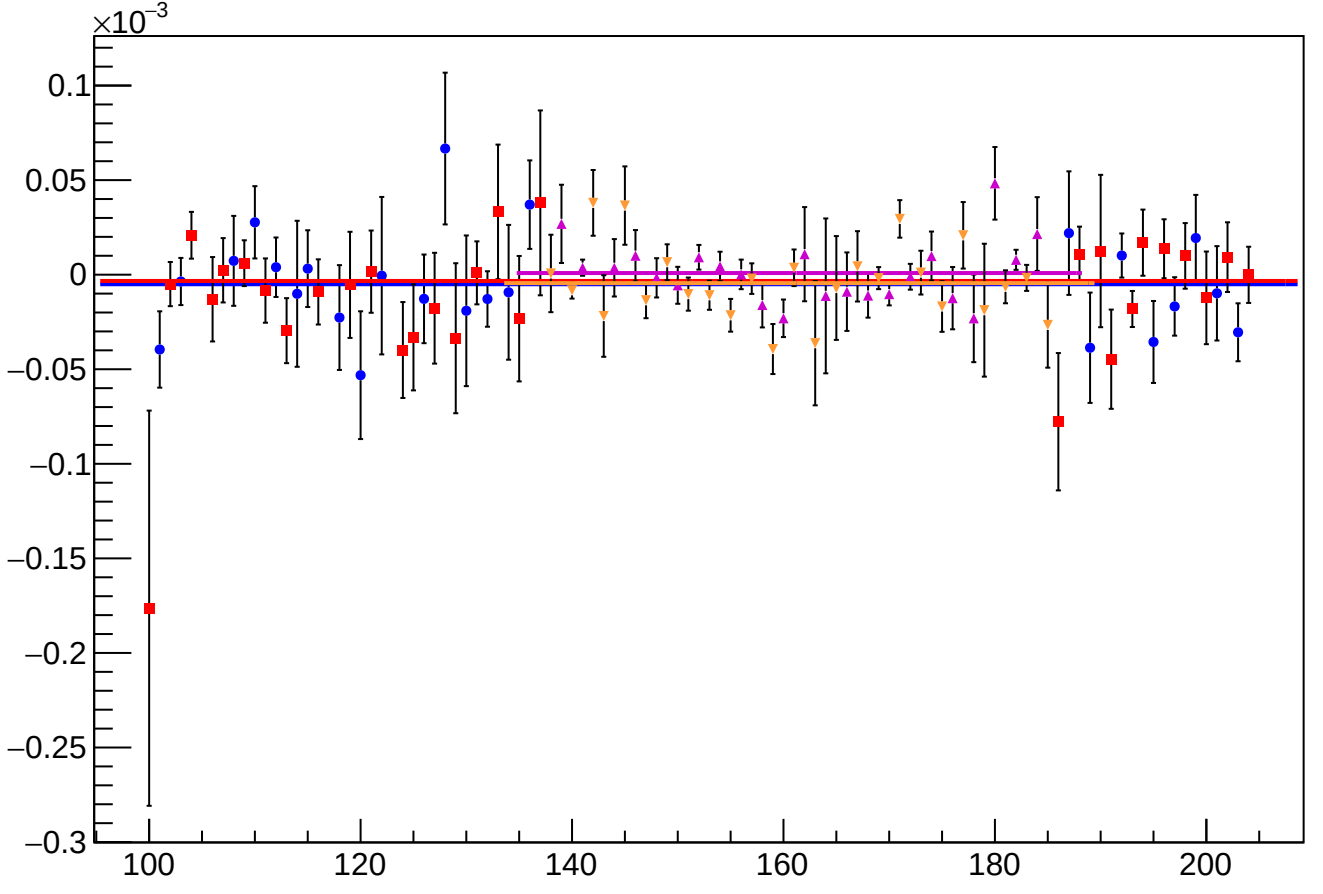
Right Out: 178.731+/-0.037 χ^2/NDF: 5211697.1/29

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 244.275+/-0.033 χ^2/NDF: 6625821.0/48

All: 229.270+/-0.022 χ^2/NDF: 16934433.2/10

- sign 217.018+/-0.030 χ^2/NDF: 9931665.3/52



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/29

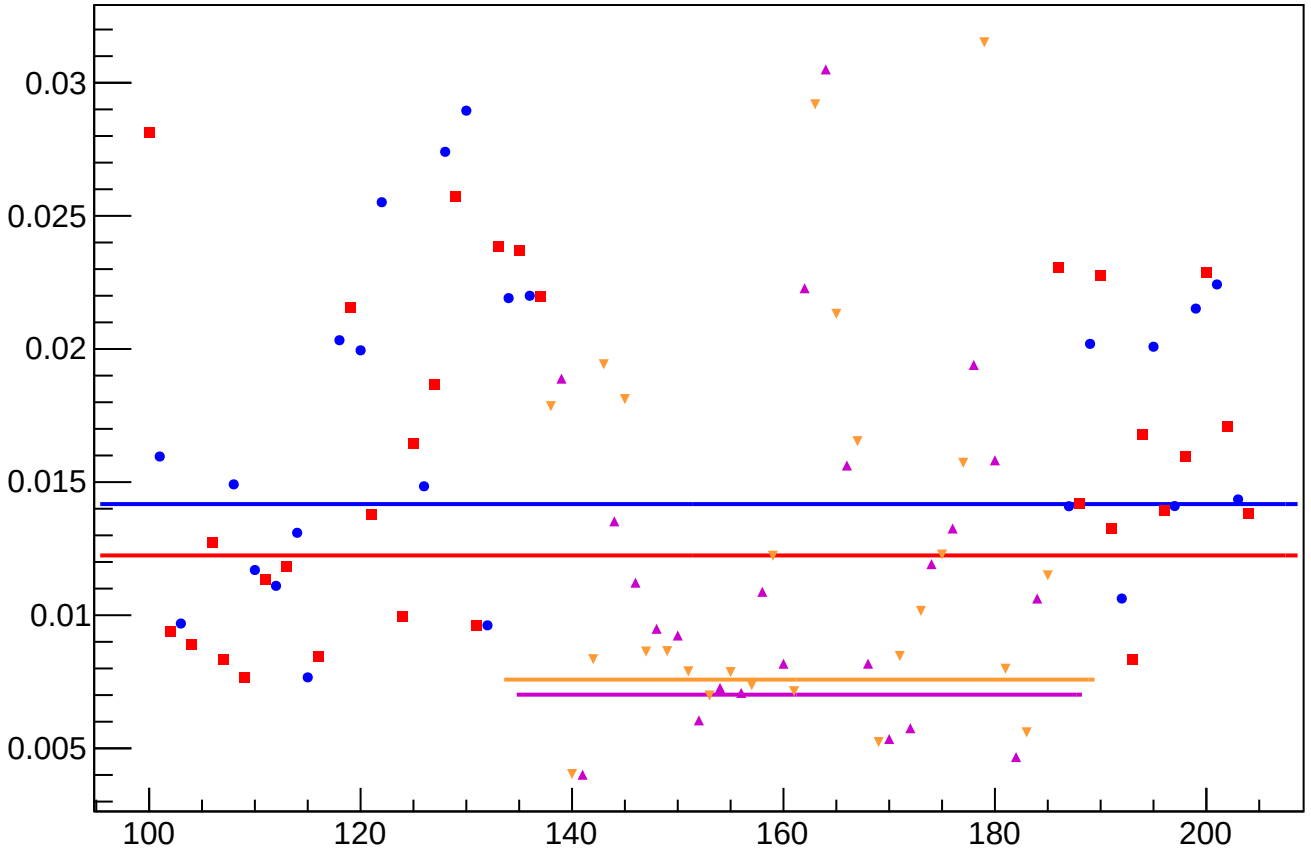
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.2/48

All: -0.000+/-0.000 χ^2/NDF: 133.9/101

- sign -0.000+/-0.000 χ^2/NDF: 60.4/52

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 2750315.2/23

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

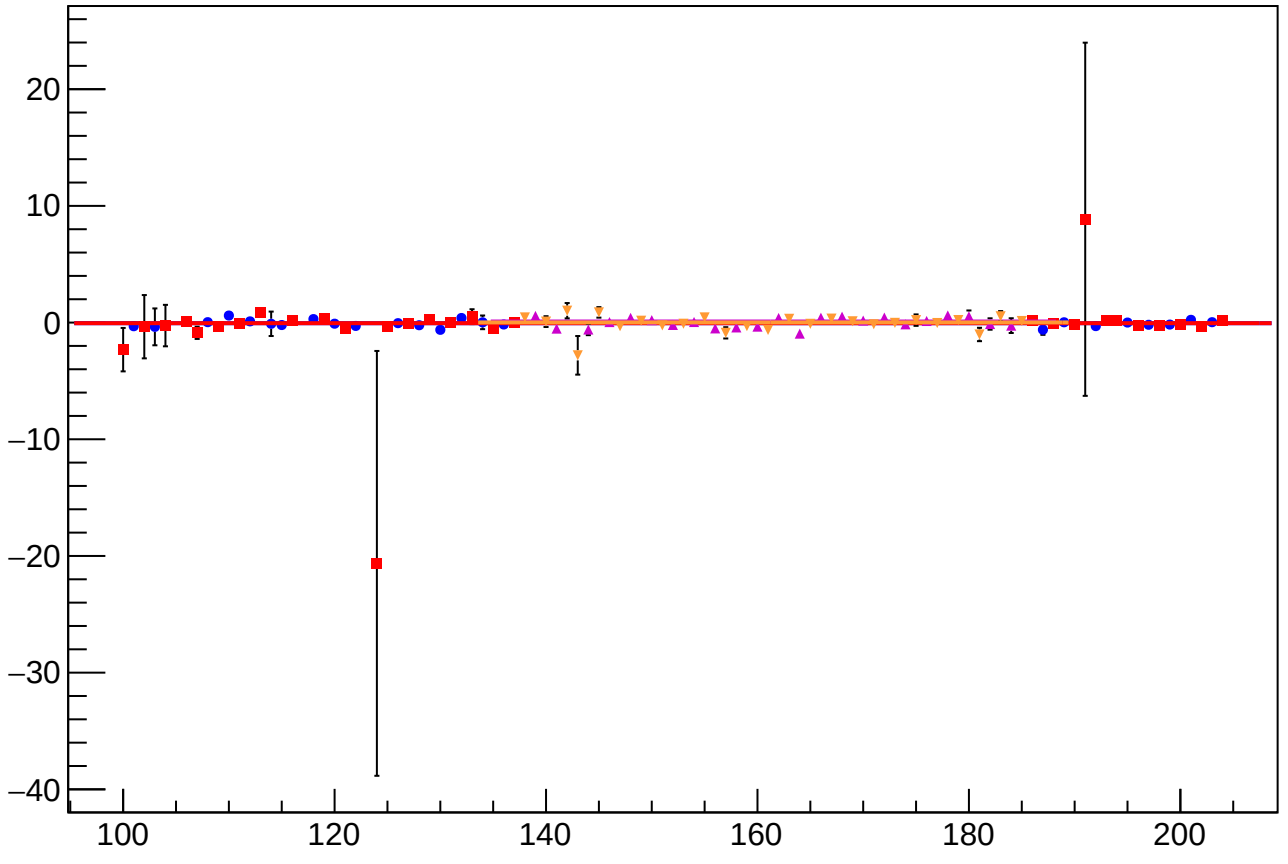
Right Out: 0.012+/-0.000 χ^2/NDF: 3486267.0/29

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 14170584.6/48

All: 0.009+/-0.000 χ^2/NDF: 28139710.7/101

- sign 0.008+/-0.000 χ^2/NDF: 13887836.3/52



Right In: -0.053+/-0.063 χ^2/NDF: 15.7/23

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.052+/-0.053 χ^2/NDF: 29.6/29

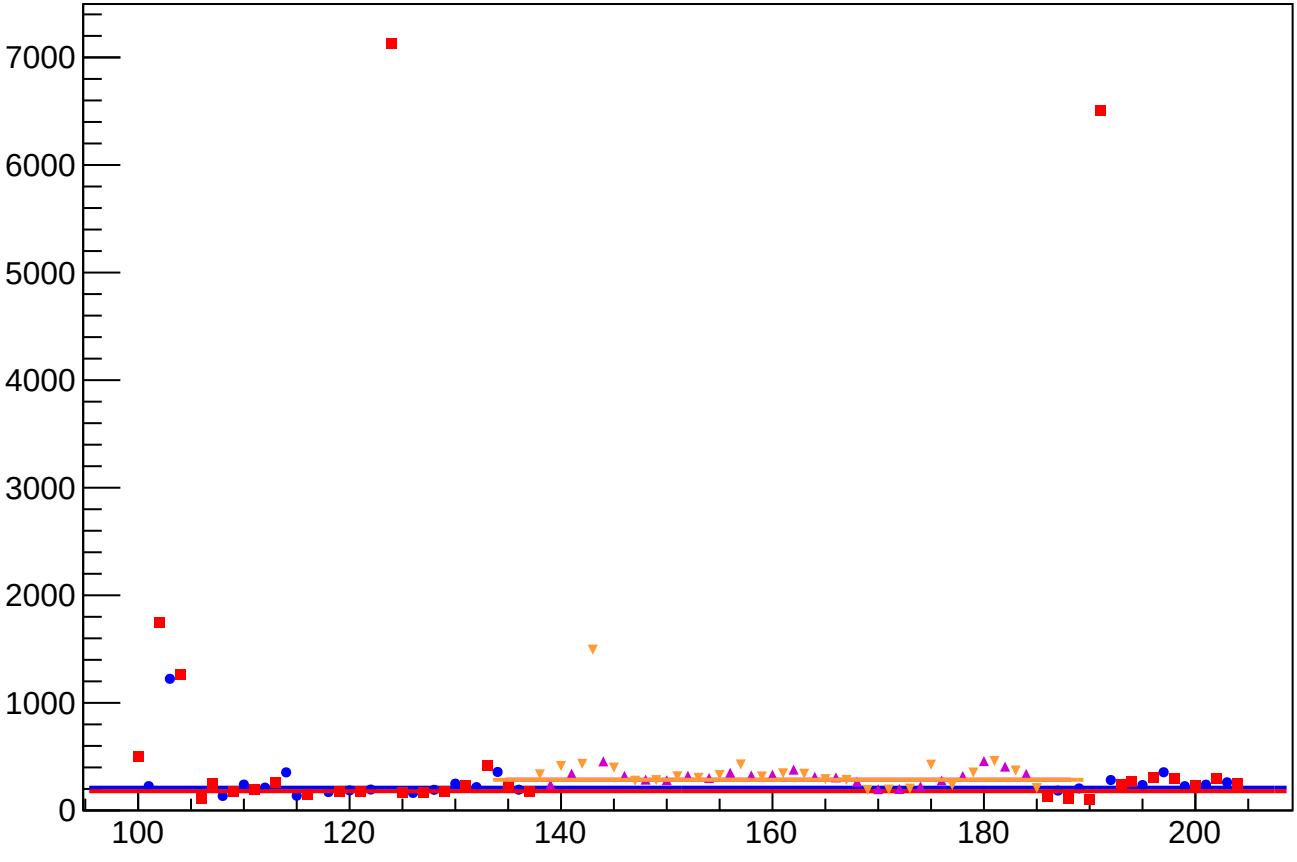
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.023+/-0.047 χ^2/NDF: 44.5/48

All: -0.011+/-0.031 χ^2/NDF: 107.9/101

- sign -0.001+/-0.042 χ^2/NDF: 63.2/52

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 211.572+/-0.044 χ^2/NDF: 1990321.1/23

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

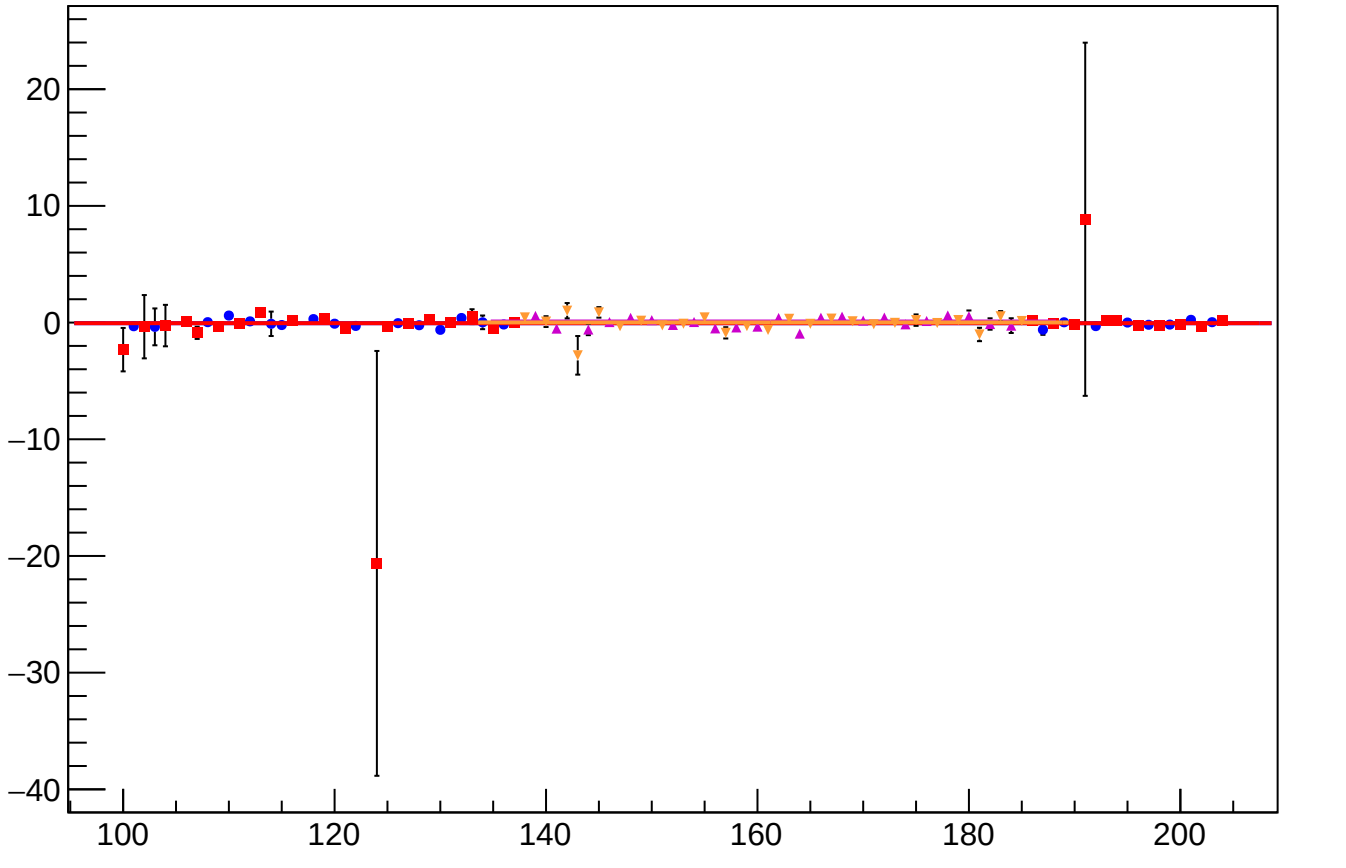
Right Out: 178.728+/-0.037 χ^2/NDF: 5211868.2/29

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 244.275+/-0.033 χ^2/NDF: 6625979.7/48

All: 229.269+/-0.022 χ^2/NDF: 16935122.0/10

- sign 217.016+/-0.030 χ^2/NDF: 9932144.2/52



Right In: -0.053+/-0.063 χ^2/NDF: 15.7/23

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

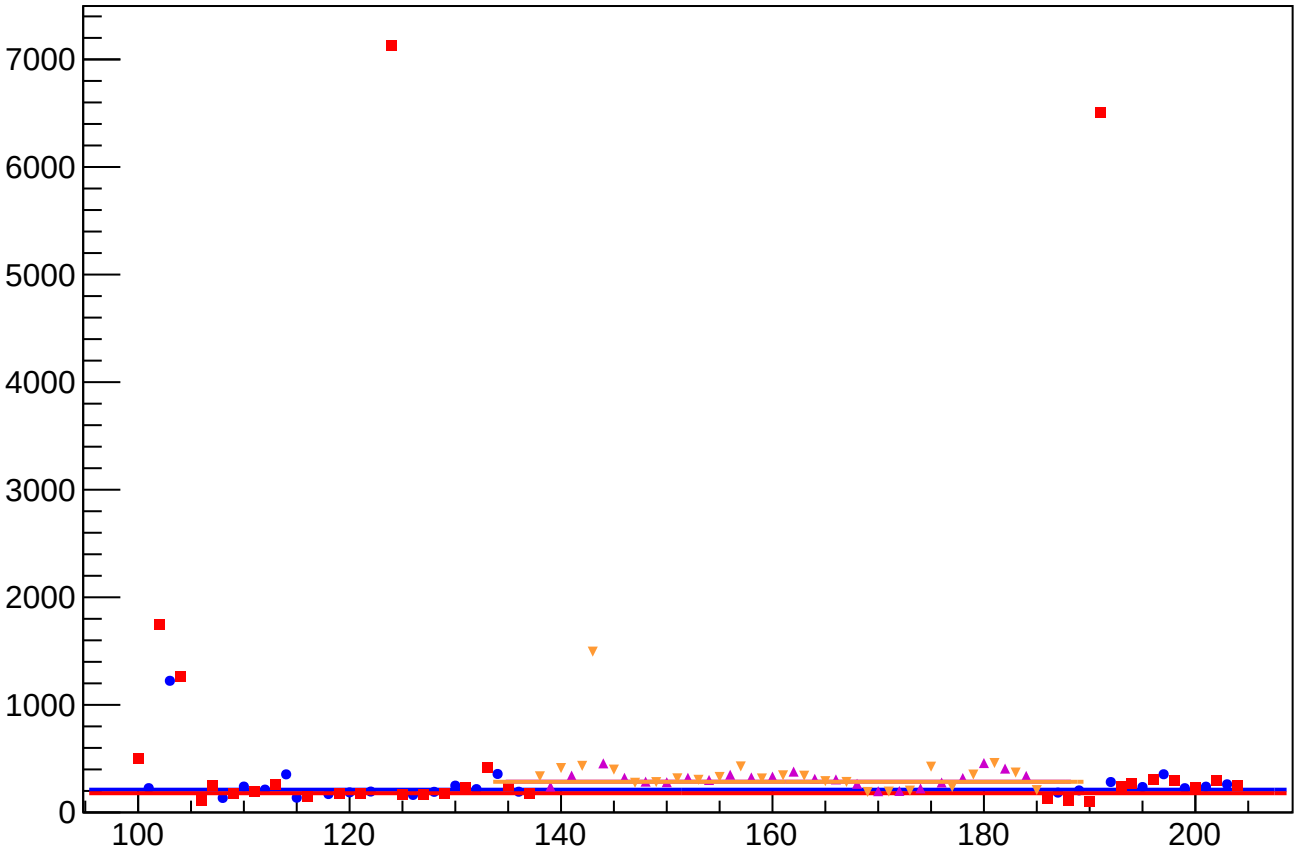
Right Out: -0.052+/-0.053 χ^2/NDF: 29.6/29

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.023+/-0.047 χ^2/NDF: 44.5/48

All: -0.011+/-0.031 χ^2/NDF: 107.9/101

- sign -0.001+/-0.042 χ^2/NDF: 63.2/52



Right In: 211.572+/-0.044 χ^2/NDF: 1990321.1/23

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

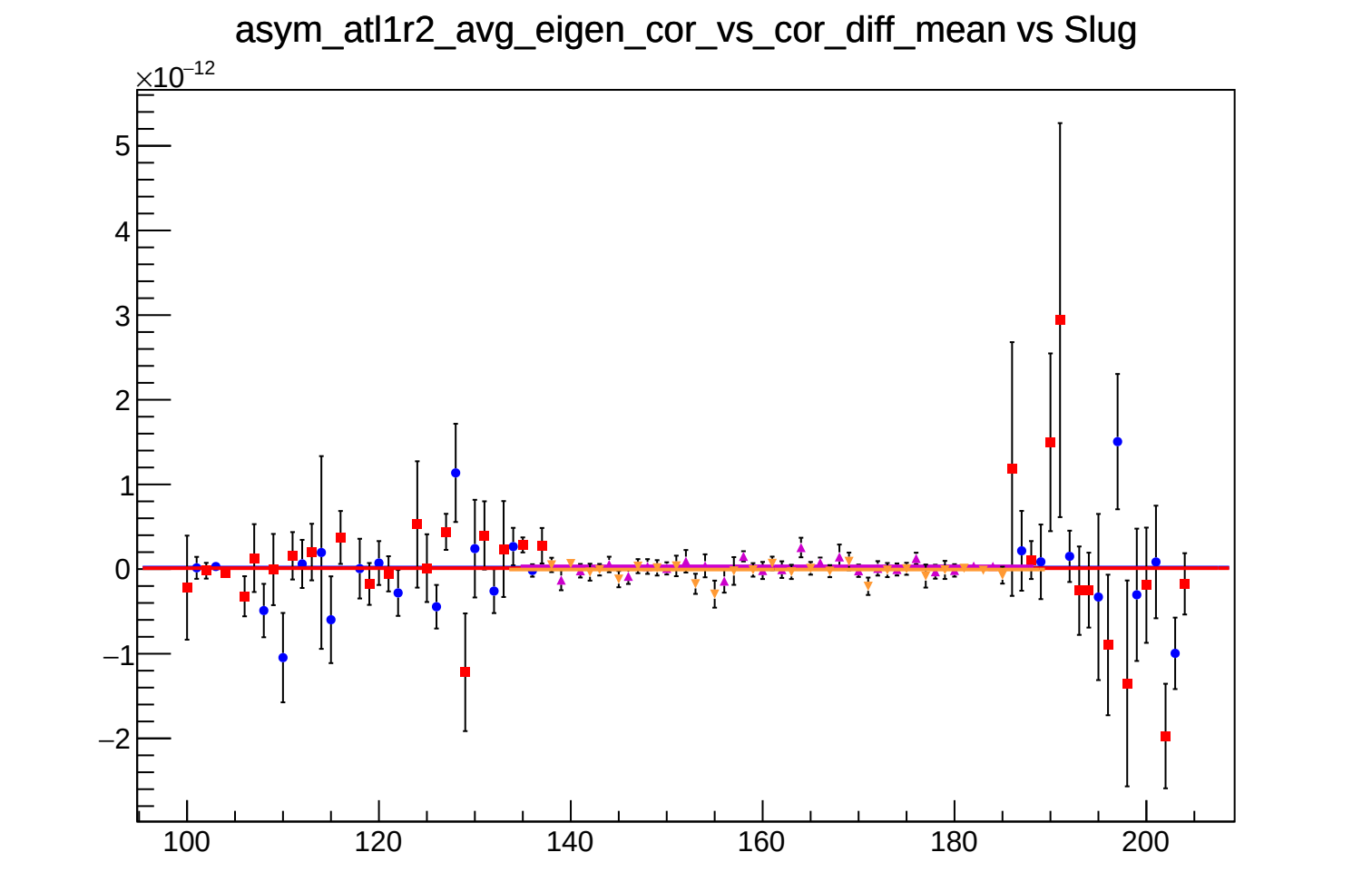
Right Out: 178.728+/-0.037 χ^2/NDF: 5211868.2/29

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 244.275+/-0.033 χ^2/NDF: 6625979.7/48

All: 229.269+/-0.022 χ^2/NDF: 16935122.0/10

- sign 217.016+/-0.030 χ^2/NDF: 9932144.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 29.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

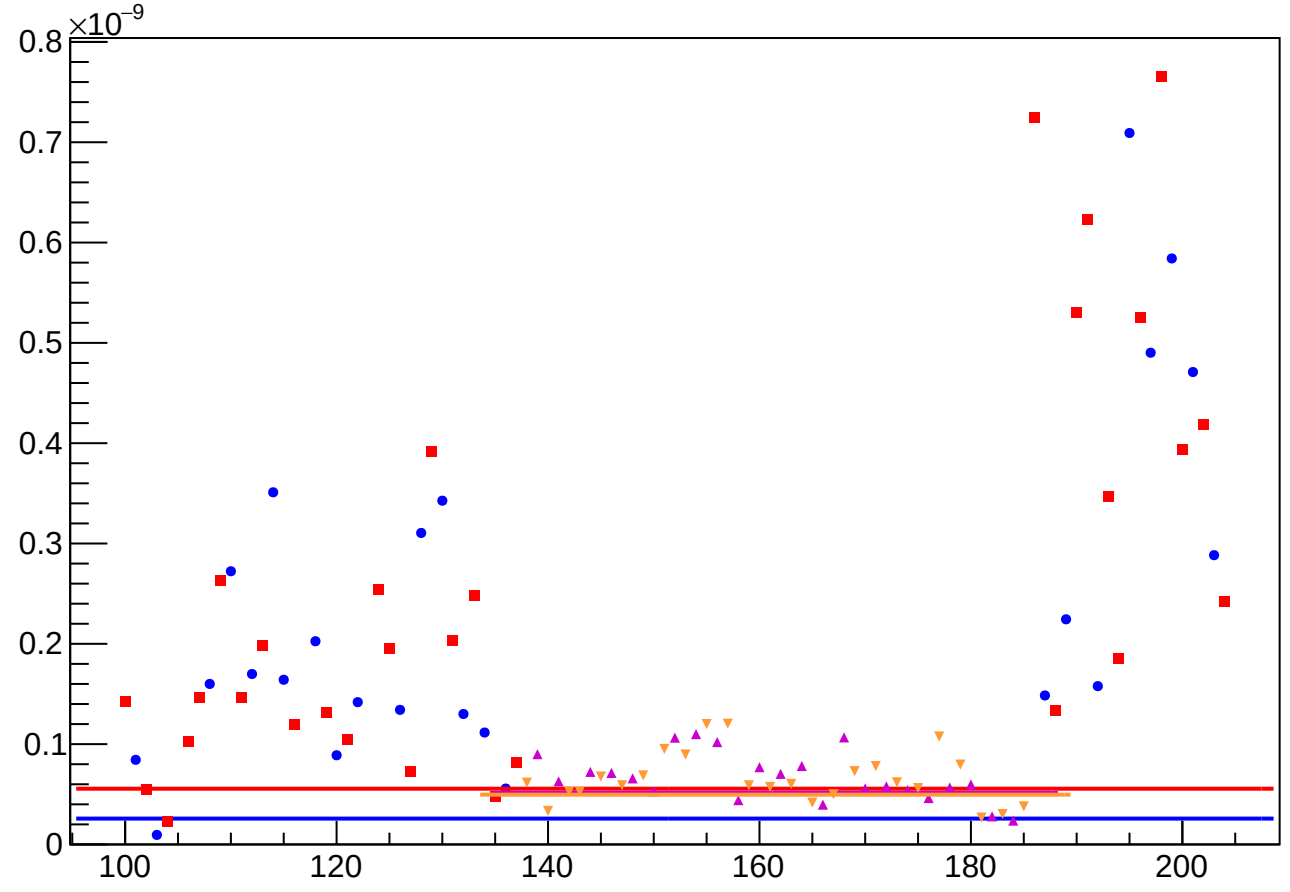
Right Out: 0.000+/-0.000 χ^2/NDF: 45.3/29

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.7/48

All: 0.000+/-0.000 χ^2/NDF: 112.9/101

- sign 0.000+/-0.000 χ^2/NDF: 64.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 11720741.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9374437.4/29

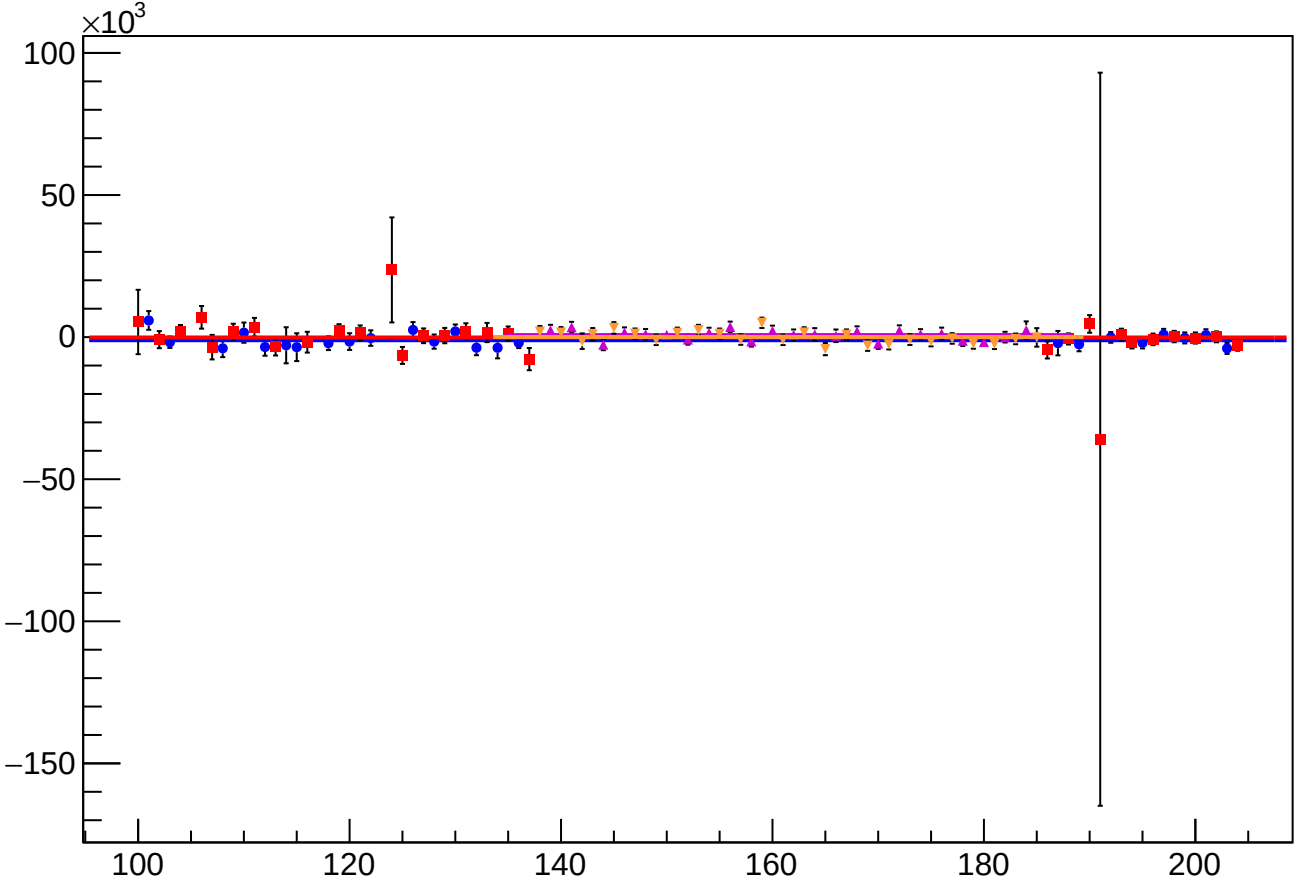
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 17365718.8/48

All: 0.000+/-0.000 χ^2/NDF: 31139526.6/101

- sign 0.000+/-0.000 χ^2/NDF: 13063322.9/52

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1086.927+/-509.425 χ^2/NDF: 17.3/23

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -124.433+/-484.598 χ^2/NDF: 28.6/29

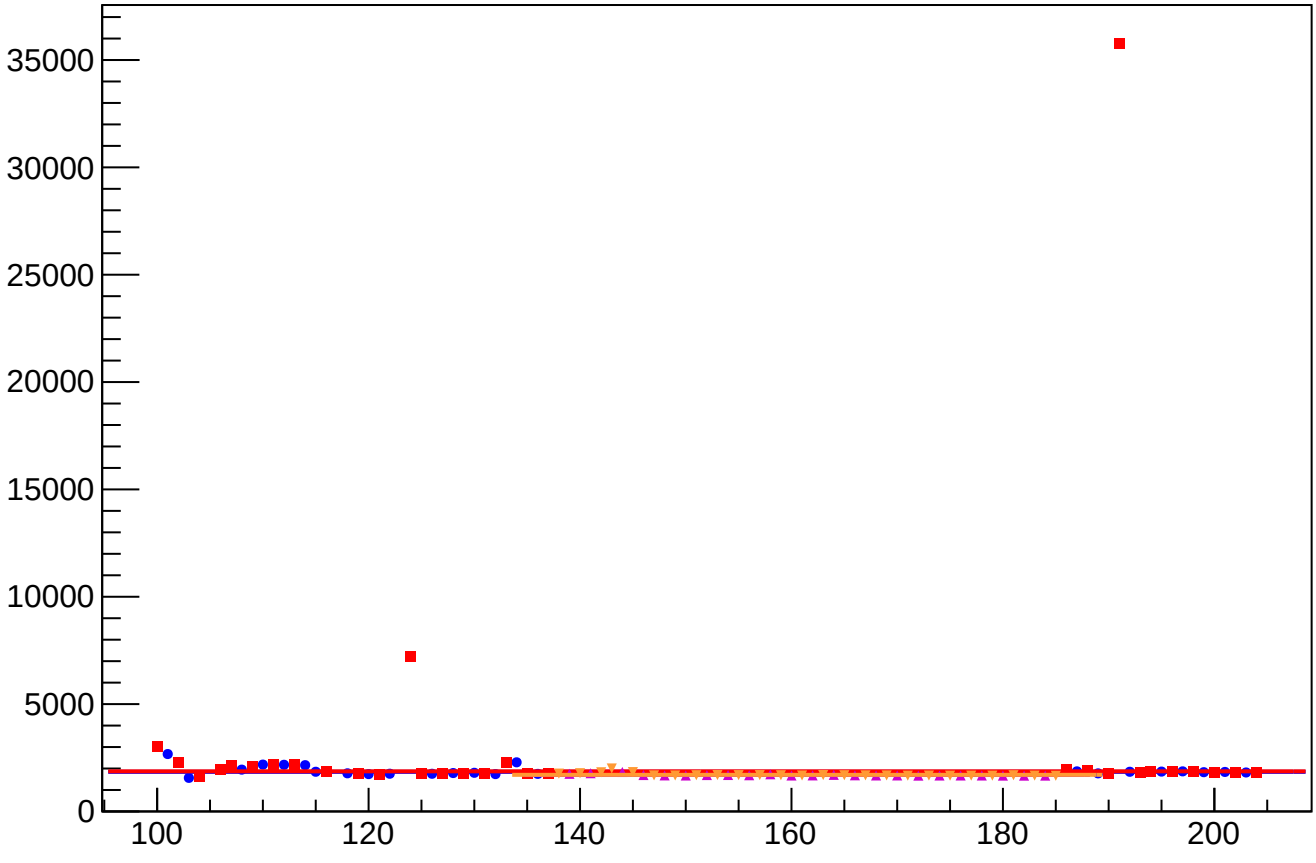
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

\+ sign -384.058+/-308.532 χ^2/NDF: 49.7/48

All: 0.633+/-217.567 χ^2/NDF: 102.3/101

\- sign 381.135+/-306.847 χ^2/NDF: 49.5/52

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1844.530+/-0.360 χ^2/NDF: 262824.1/23

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1868.917+/-0.342 χ^2/NDF: 514707.0/29

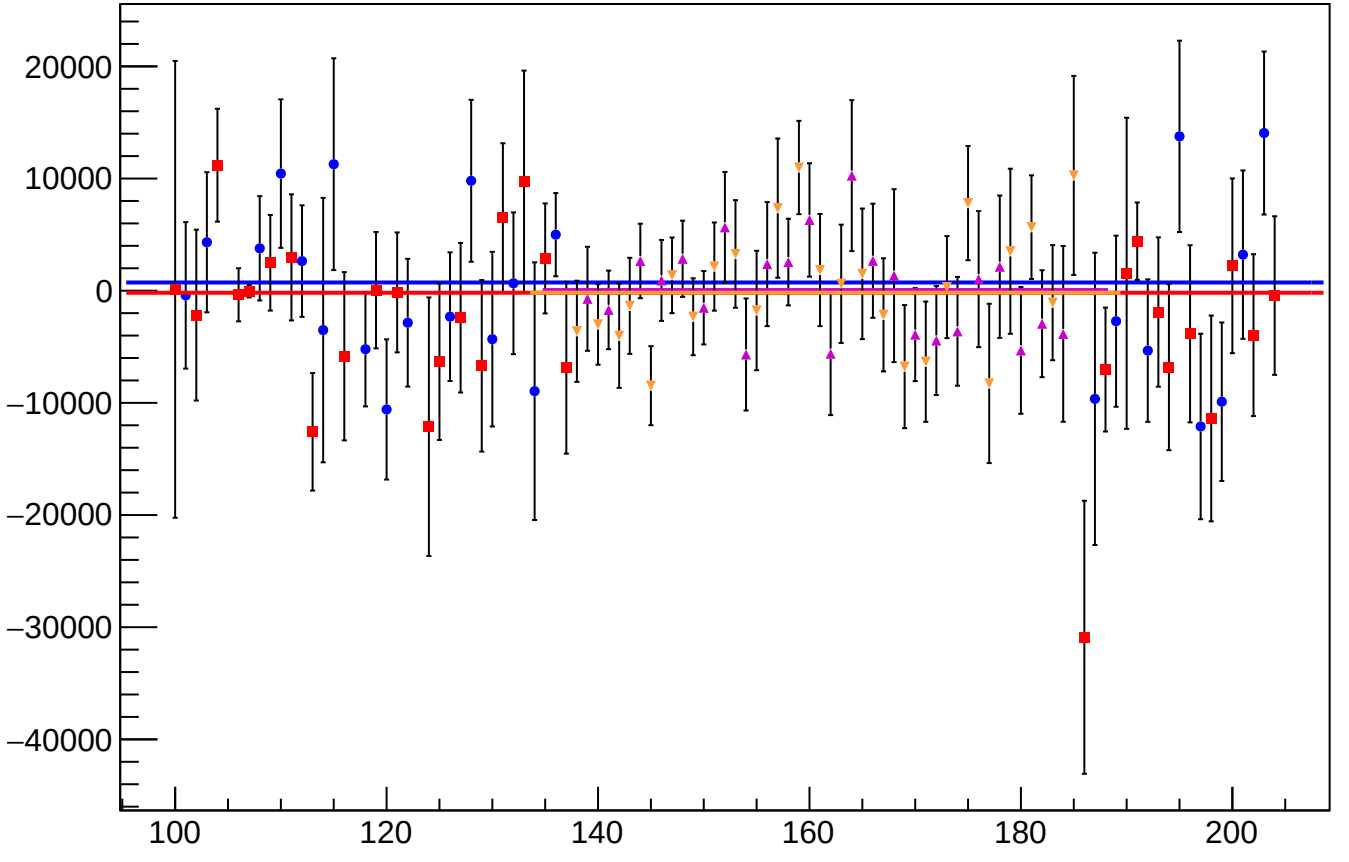
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1756.583+/-0.218 χ^2/NDF: 416894.8/48

All: 1761.483+/-0.154 χ^2/NDF: 1103837.2/10

- sign 1766.327+/-0.217 χ^2/NDF: 685939.1/52

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 732.845+/-1317.466 χ^2/NDF: 26.0/23

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -181.838+/-490.082 χ^2/NDF: 30.6/29

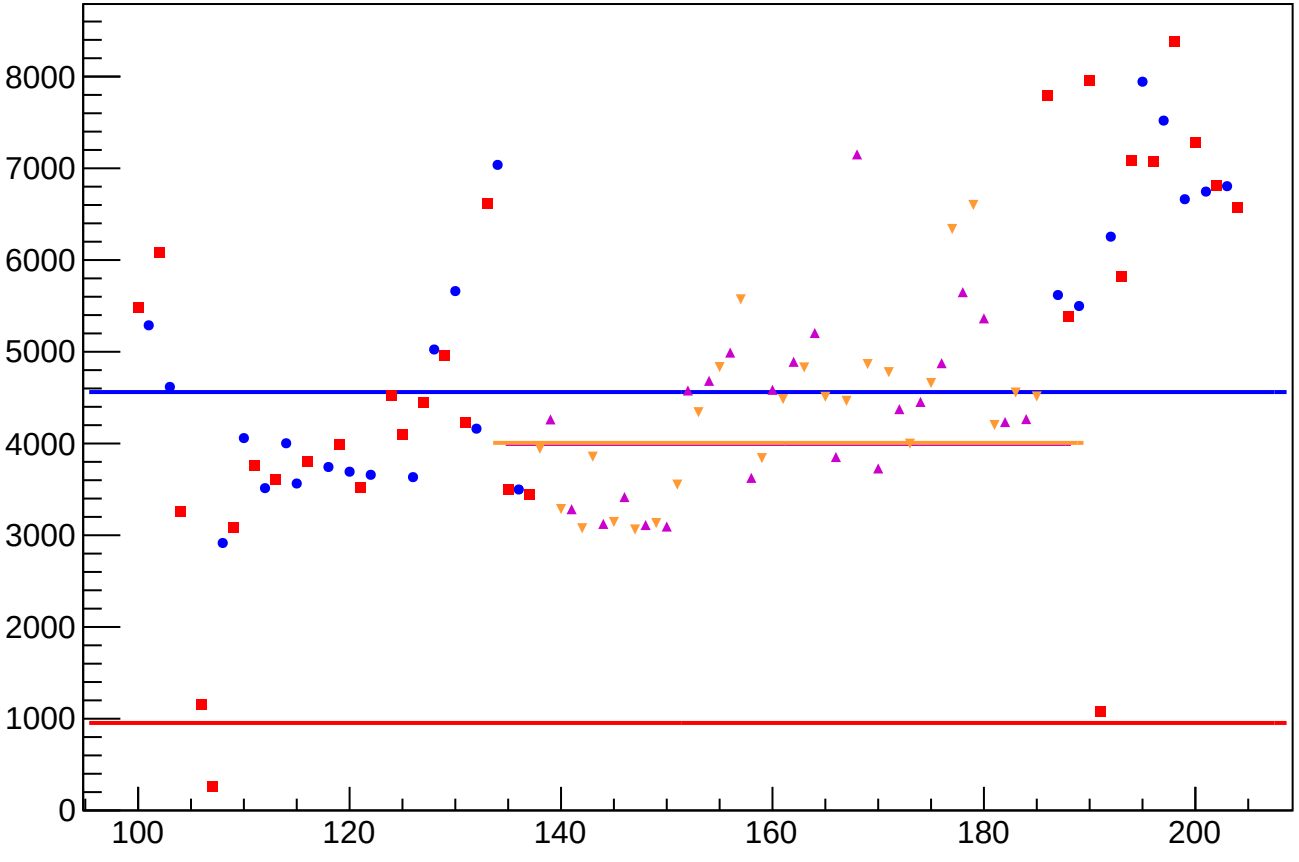
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 128.636+/-762.569 χ^2/NDF: 54.3/48

All: -67.967+/-378.601 χ^2/NDF: 99.4/101

- sign -132.281+/-436.153 χ^2/NDF: 45.0/52

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4560.865+/-0.932 χ^2/NDF: 2201339.7/23

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 953.816+/-0.347 χ^2/NDF: 22393228.8/29

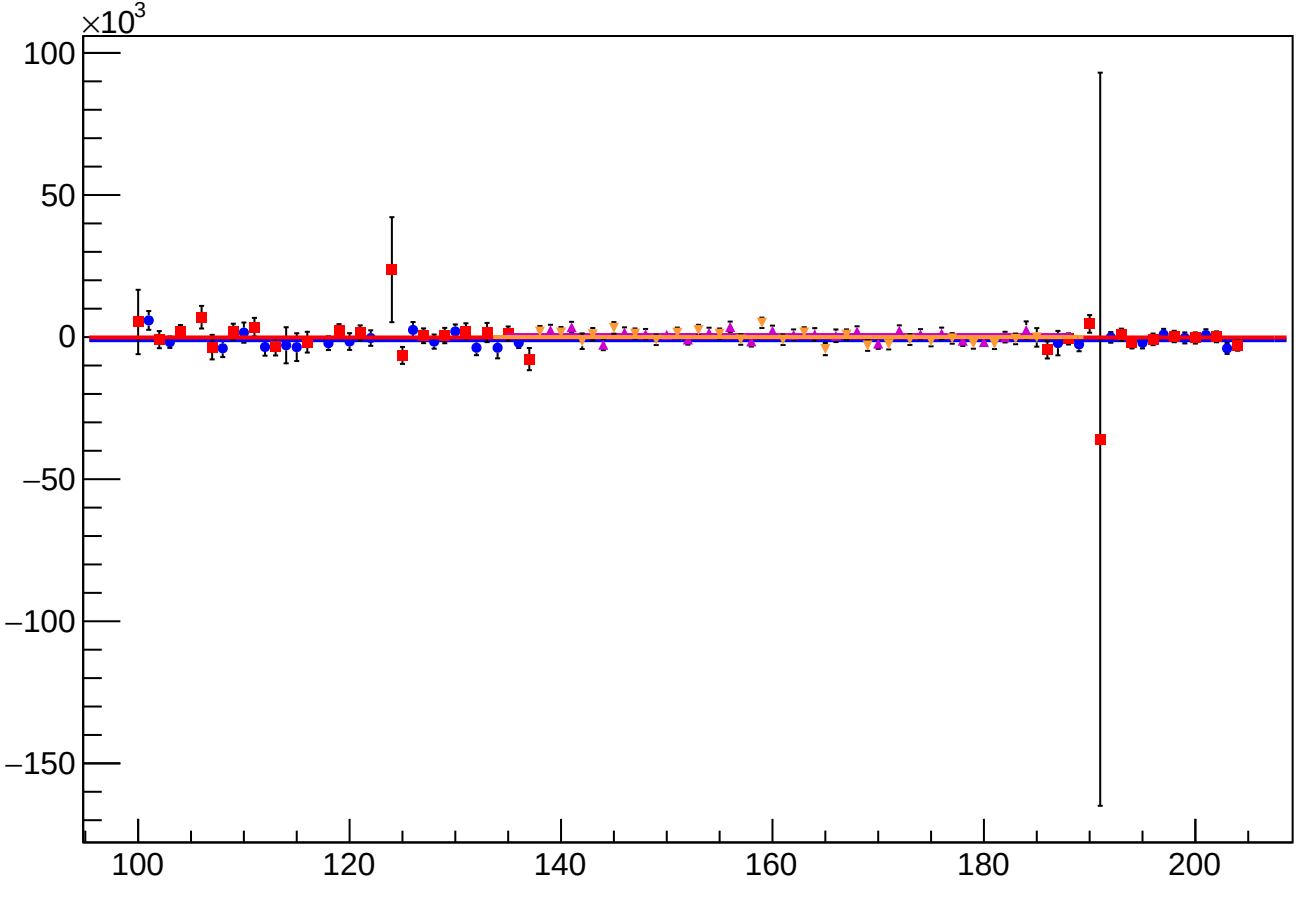
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

\+ sign 4192.559+/-0.539 χ^2/NDF: 3940071.0/48

All: 2228.724+/-0.268 χ^2/NDF: 61491650.3/1

\- sign 1586.297+/-0.308 χ^2/NDF: 39948260.1/52

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1086.709+/-509.425 χ^2/NDF: 17.3/23

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -124.267+/-484.599 χ^2/NDF: 28.7/29

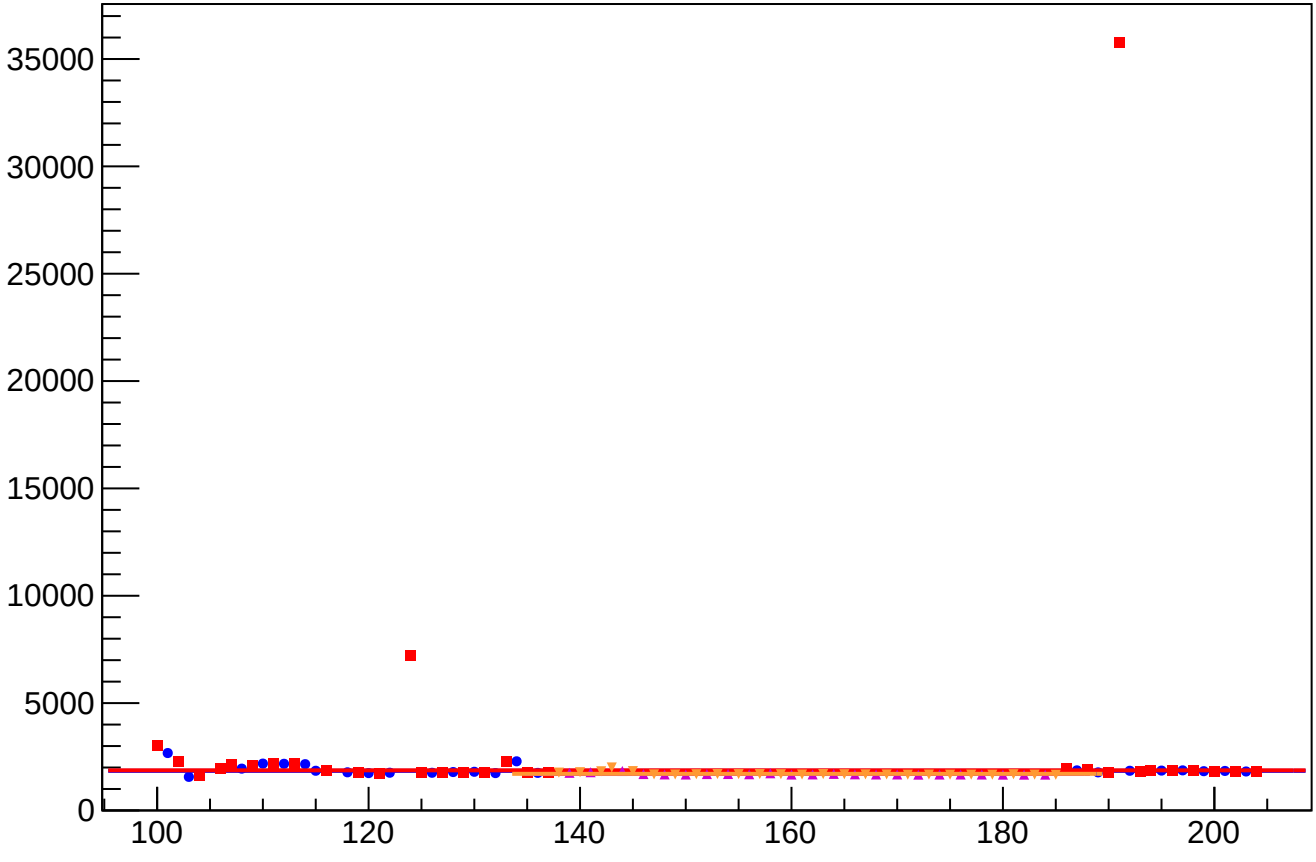
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -383.933+/-308.532 χ^2/NDF: 49.7/48

All: 0.691+/-217.567 χ^2/NDF: 102.4/101

- sign 381.127+/-306.847 χ^2/NDF: 49.5/52

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1844.531+/-0.360 χ^2/NDF: 262823.3/23

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1869.129+/-0.342 χ^2/NDF: 515002.5/29

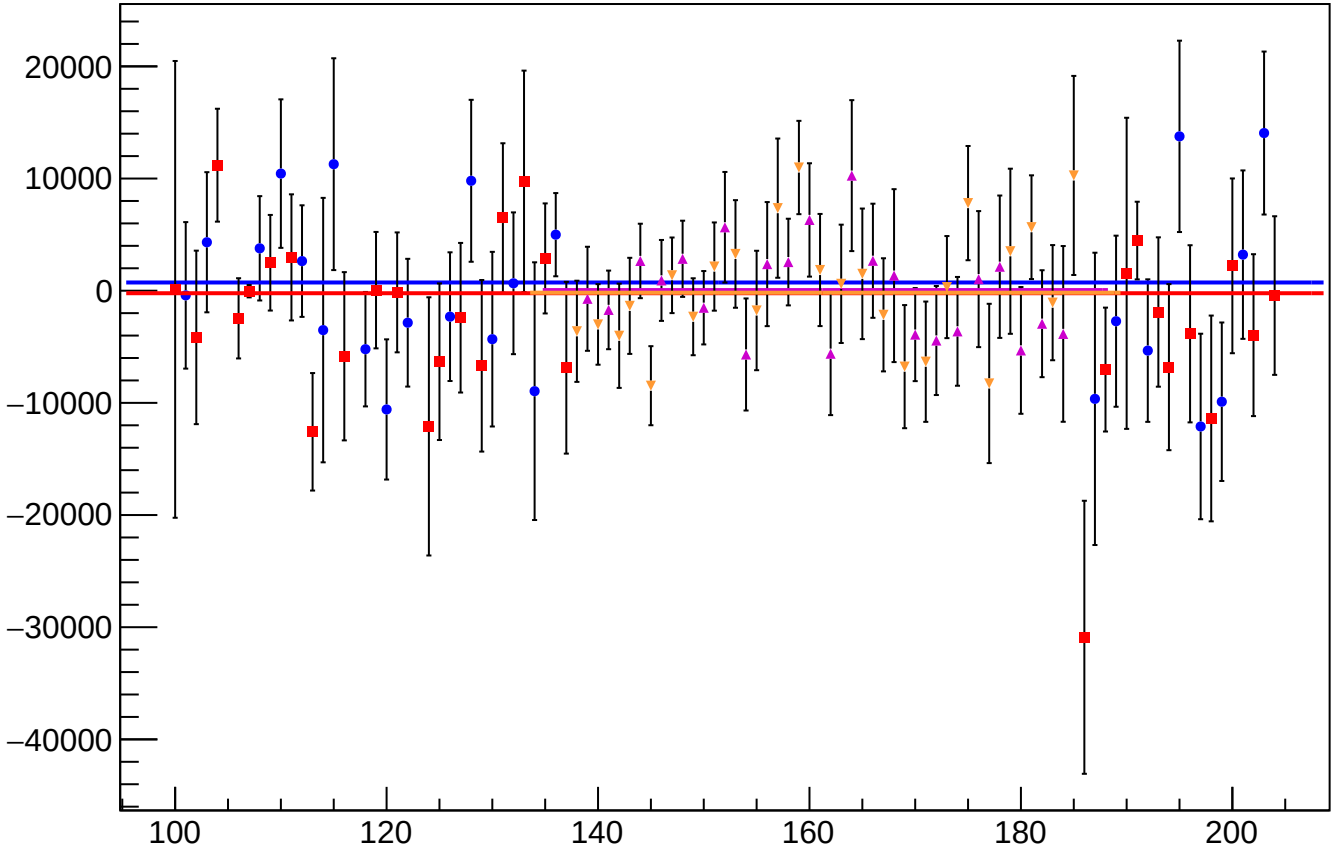
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1756.583+/-0.218 χ^2/NDF: 416894.2/48

All: 1761.522+/-0.154 χ^2/NDF: 1104500.0/10

- sign 1766.403+/-0.217 χ^2/NDF: 686586.8/52

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 732.805+/-1317.470 χ^2/NDF: 26.0/23

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -224.495+/-496.110 χ^2/NDF: 31.2/29

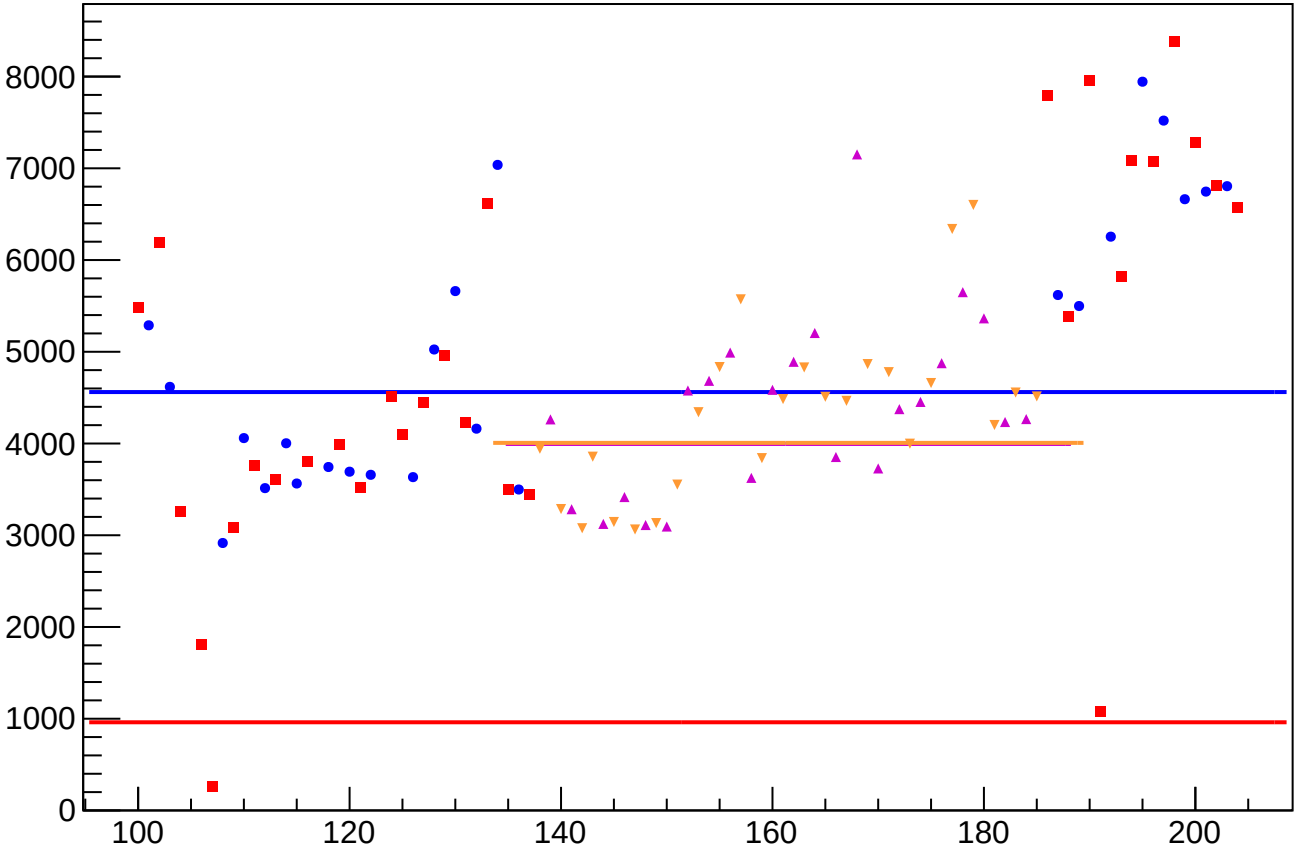
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 128.635+/-762.569 χ^2/NDF: 54.3/48

All: -91.519+/-381.360 χ^2/NDF: 100.0/101

- sign -164.942+/-440.385 χ^2/NDF: 45.6/52

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4560.876+/-0.932 χ^2/NDF: 2201351.5/23

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 961.190+/-0.351 χ^2/NDF: 22504379.1/29

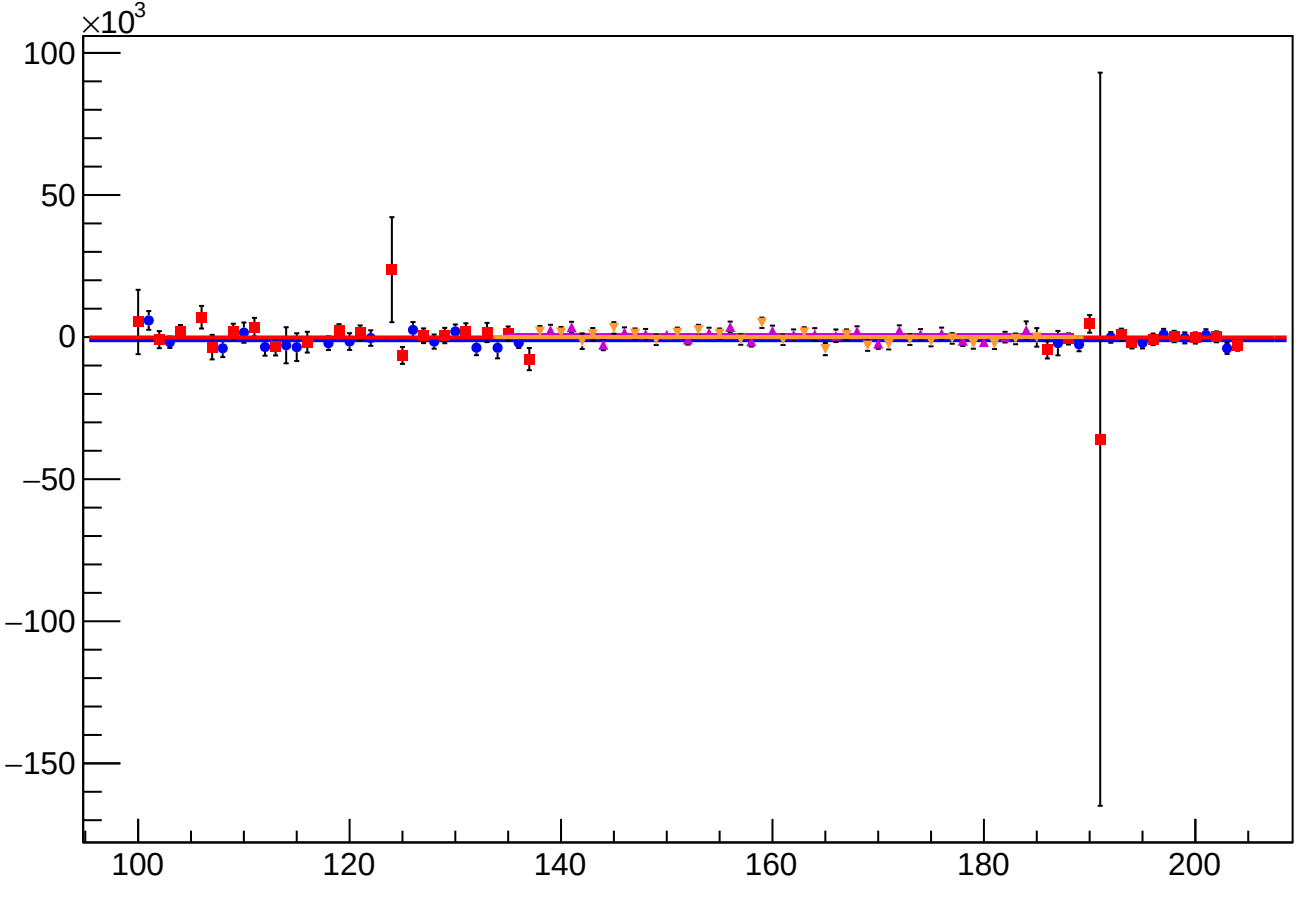
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4192.556+/-0.539 χ^2/NDF: 3940118.4/48

All: 2251.725+/-0.270 χ^2/NDF: 61116284.0/1

- sign 1604.442+/-0.311 χ^2/NDF: 39900189.9/52

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1086.709+/-509.425 χ^2/NDF: 17.3/23

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -124.267+/-484.599 χ^2/NDF: 28.7/29

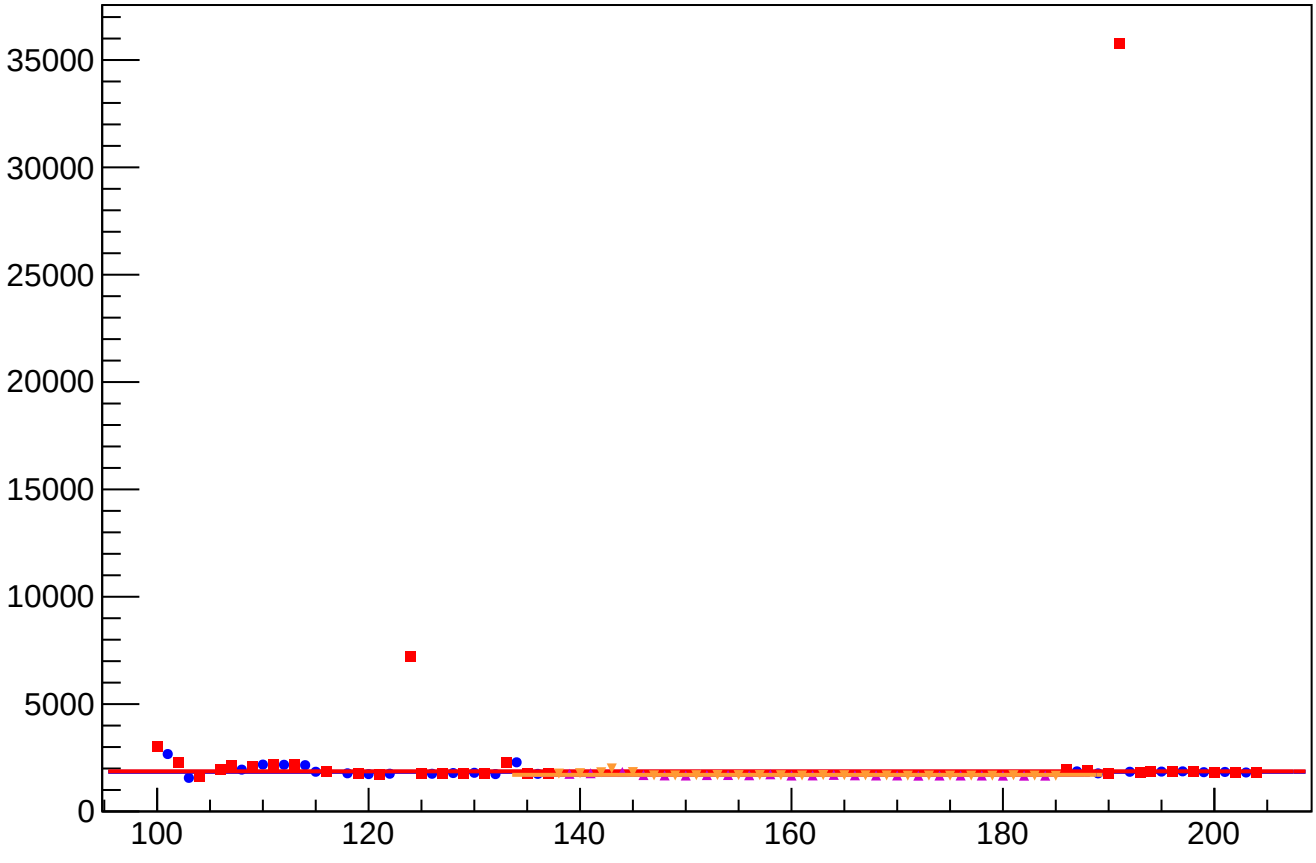
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -383.933+/-308.532 χ^2/NDF: 49.7/48

All: 0.691+/-217.567 χ^2/NDF: 102.4/101

- sign 381.127+/-306.847 χ^2/NDF: 49.5/52

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1844.531+/-0.360 χ^2/NDF: 262823.3/23

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

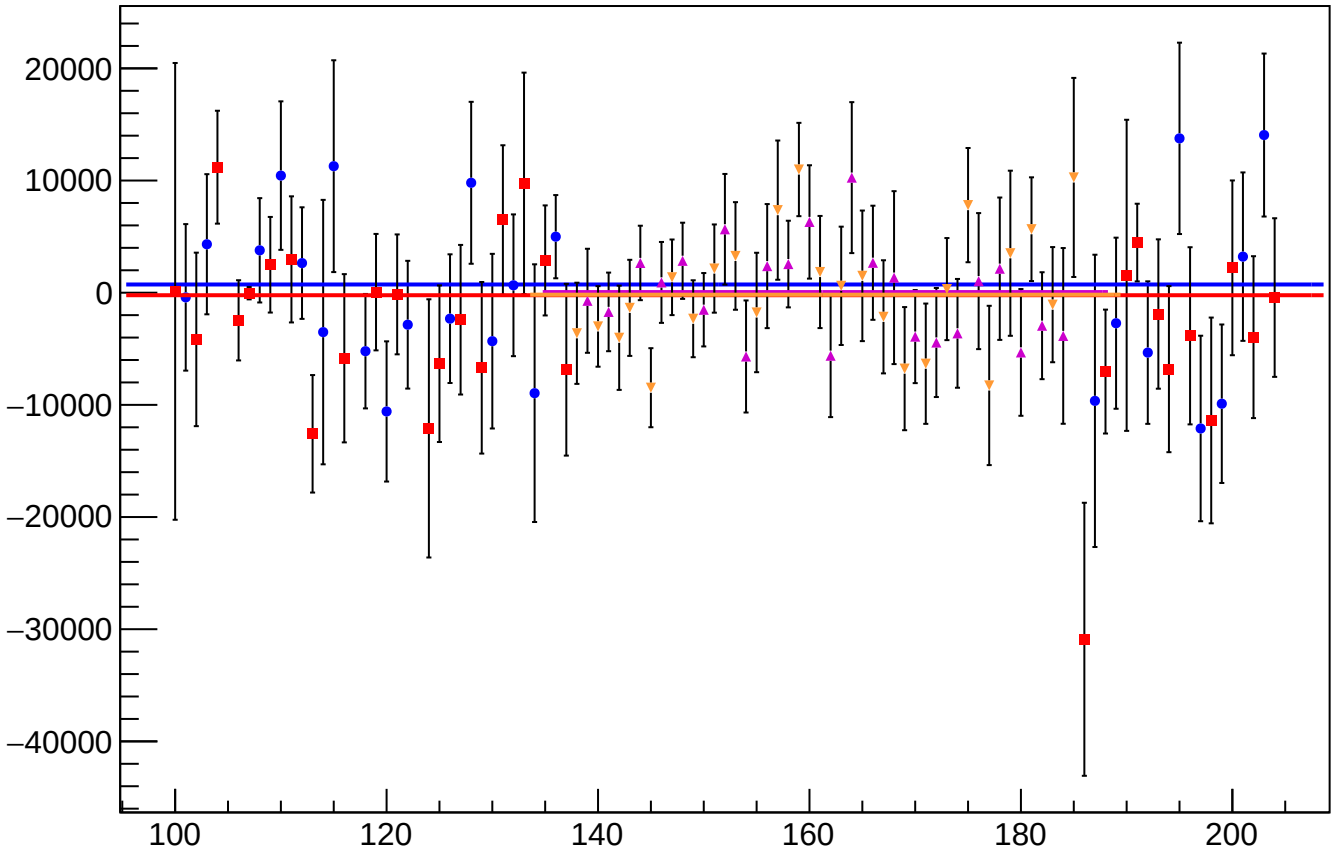
Right Out: 1869.129+/-0.342 χ^2/NDF: 515002.5/29

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1756.583+/-0.218 χ^2/NDF: 416894.2/48

All: 1761.522+/-0.154 χ^2/NDF: 1104500.0/10

- sign 1766.403+/-0.217 χ^2/NDF: 686586.8/52



Right In: 732.805+/-1317.470 χ^2/NDF: 26.0/23

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -224.495+/-496.110 χ^2/NDF: 31.2/29

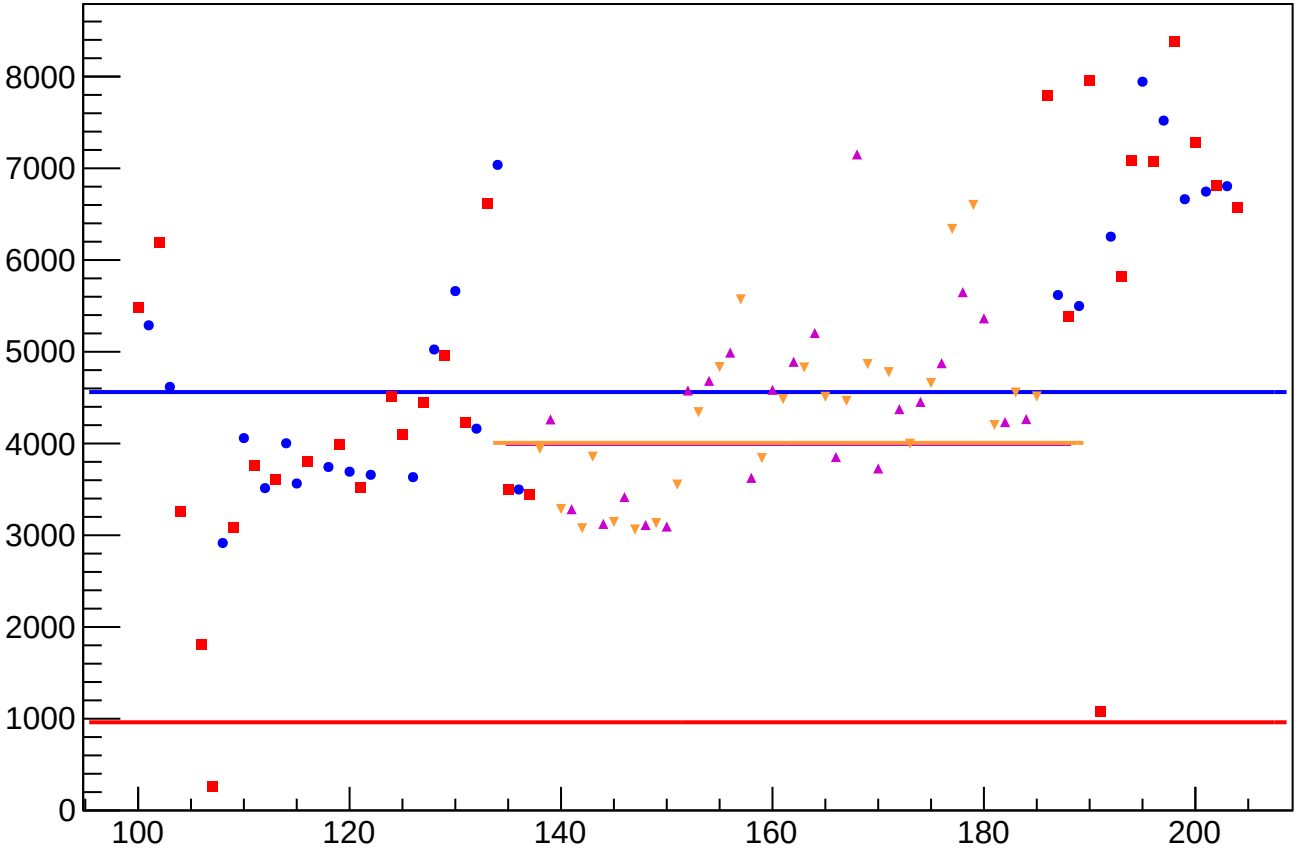
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 128.635+/-762.569 χ^2/NDF: 54.3/48

All: -91.519+/-381.360 χ^2/NDF: 100.0/101

- sign -164.942+/-440.385 χ^2/NDF: 45.6/52

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4560.876+/-0.932 χ^2/NDF: 2201351.5/23

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

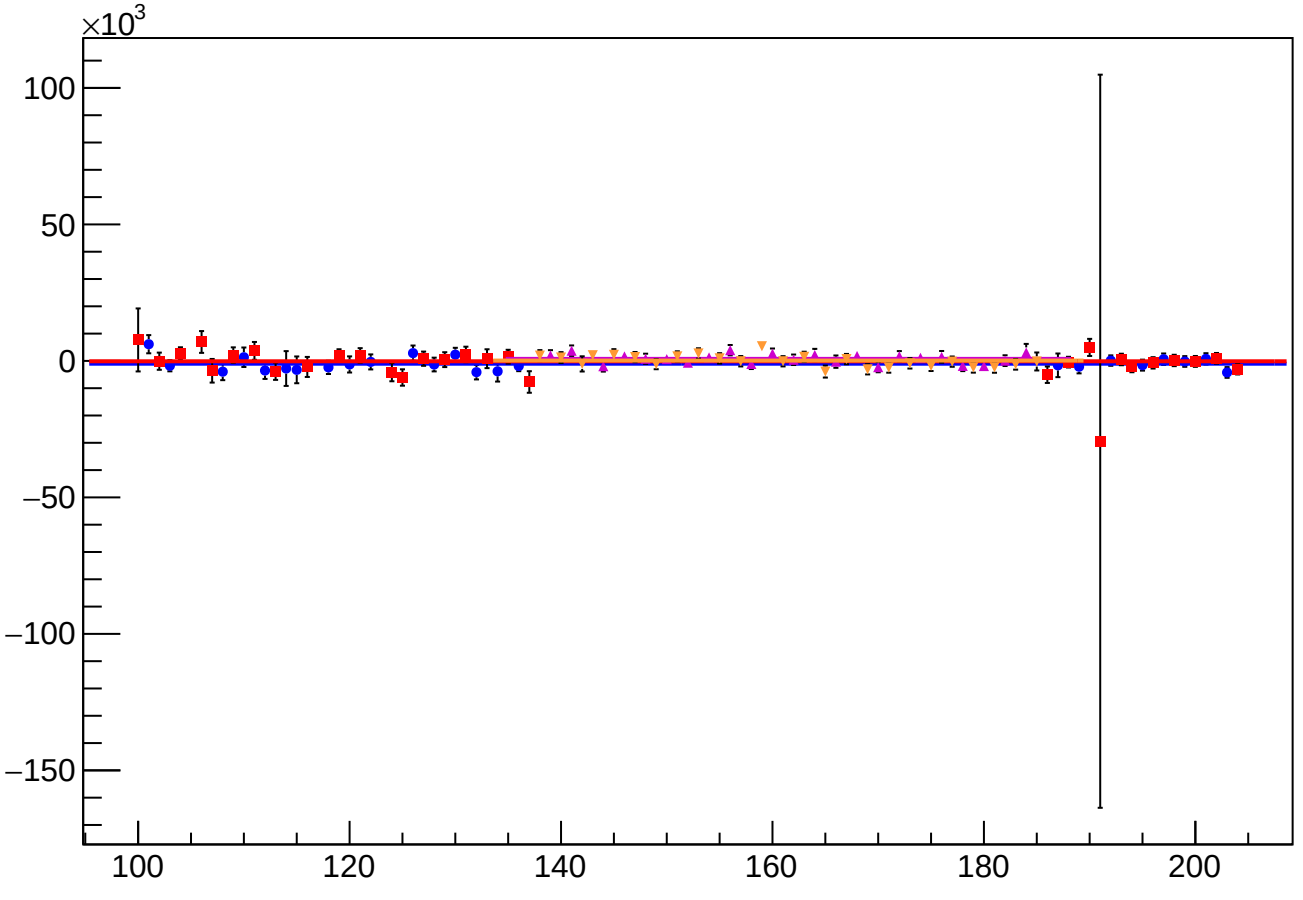
Right Out: 961.190+/-0.351 χ^2/NDF: 22504379.1/29

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4192.556+/-0.539 χ^2/NDF: 3940118.4/48

All: 2251.725+/-0.270 χ^2/NDF: 61116284.0/1

- sign 1604.442+/-0.311 χ^2/NDF: 39900189.9/52



Right In: -1023.126+/-515.223 χ^2/NDF: 18.0/23

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -138.386+/-486.256 χ^2/NDF: 30.4/29

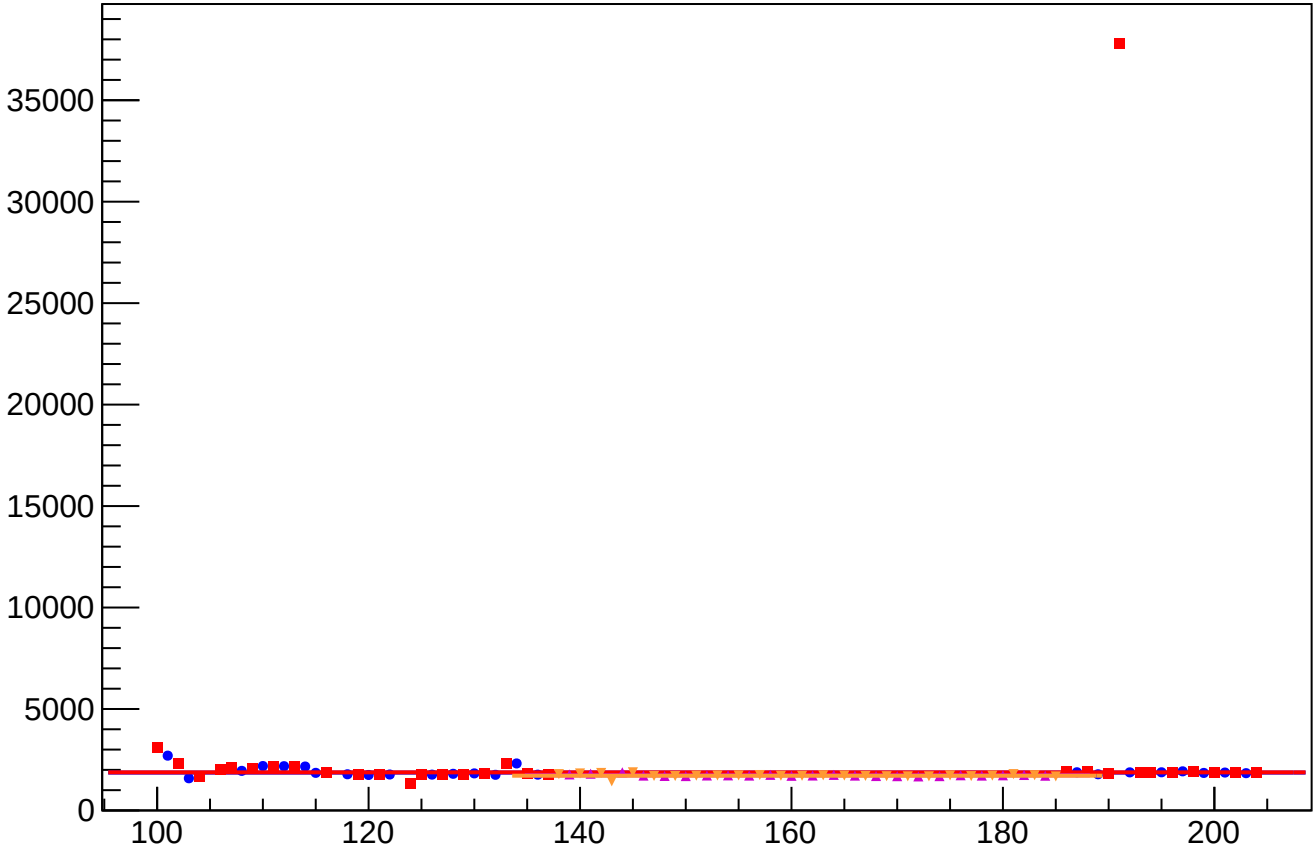
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -295.689+/-310.684 χ^2/NDF: 50.9/48

All: 42.919+/-219.733 χ^2/NDF: 104.6/101

- sign 381.815+/-310.816 χ^2/NDF: 51.3/52

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1865.339+/-0.364 χ^2/NDF: 261056.8/23

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1877.678+/-0.344 χ^2/NDF: 410319.1/29

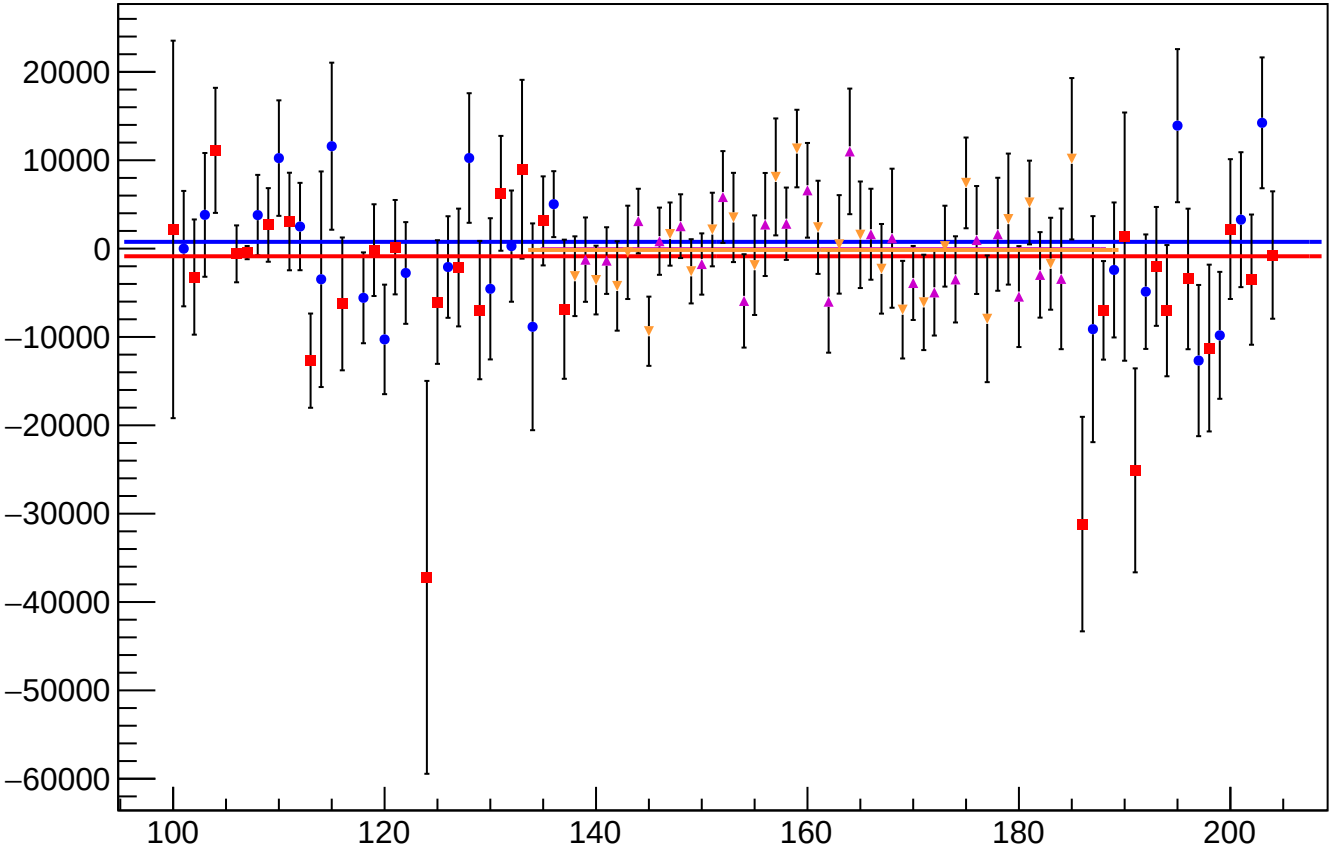
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

\+ sign 1767.954+/-0.220 χ^2/NDF: 467737.1/48

All: 1779.258+/-0.155 χ^2/NDF: 1015076.4/10

\- sign 1790.569+/-0.220 χ^2/NDF: 542042.5/52

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 763.805+/-1329.087 χ^2/NDF: 25.6/23

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -867.545+/-635.199 χ^2/NDF: 31.4/29

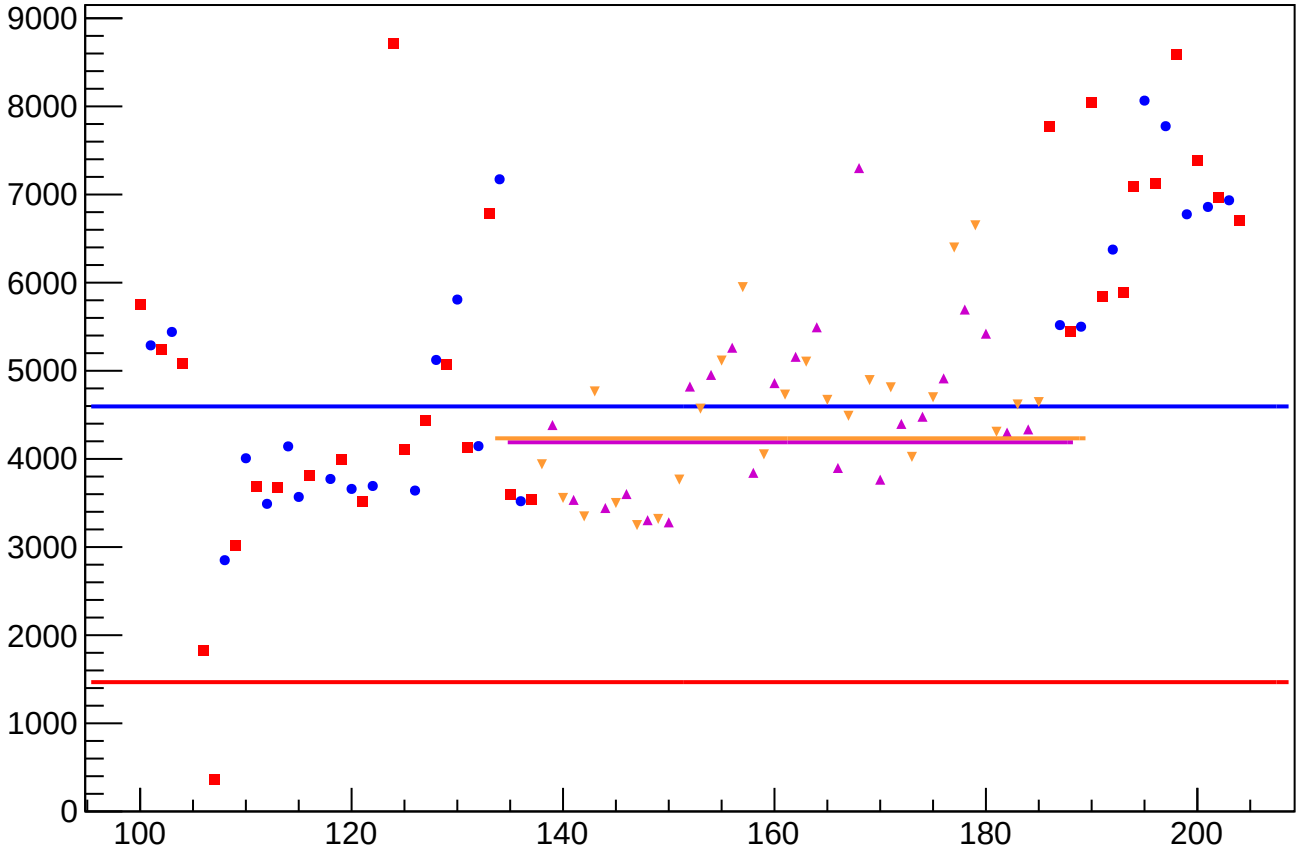
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 173.850+/-791.356 χ^2/NDF: 52.8/48

All: -381.811+/-443.894 χ^2/NDF: 99.4/101

- sign -636.909+/-536.192 χ^2/NDF: 45.9/52

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4595.602+/-0.940 χ^2/NDF: 2364788.9/23

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

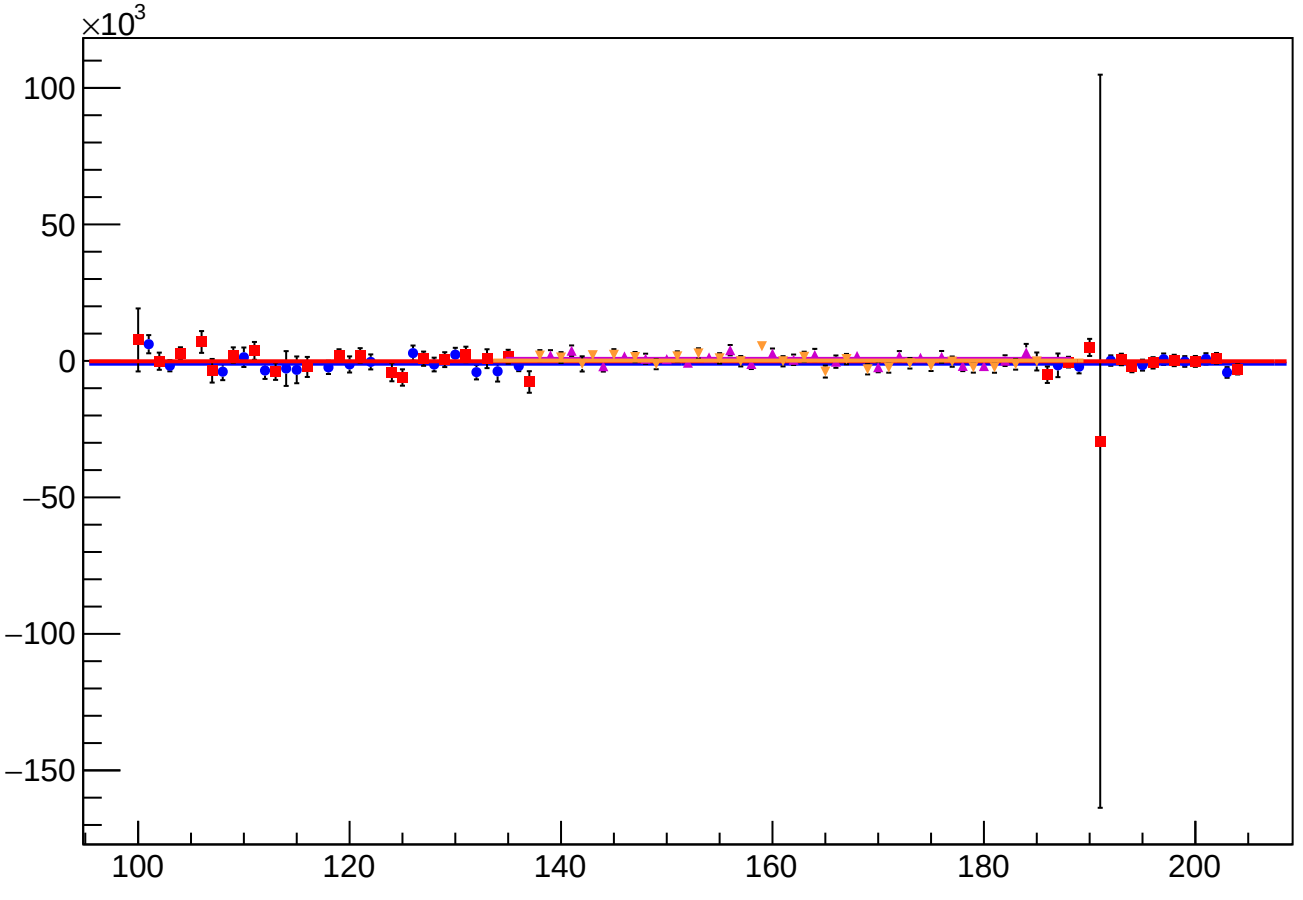
Right Out: 1467.232+/-0.449 χ^2/NDF: 19996251.0/29

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4362.133+/-0.560 χ^2/NDF: 3745180.7/48

All: 2914.251+/-0.314 χ^2/NDF: 45408769.8/1

- sign 2249.543+/-0.379 χ^2/NDF: 31894933.5/52



Right In: -1023.126+/-515.223 χ^2/NDF: 18.0/23

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -138.385+/-486.256 χ^2/NDF: 30.4/29

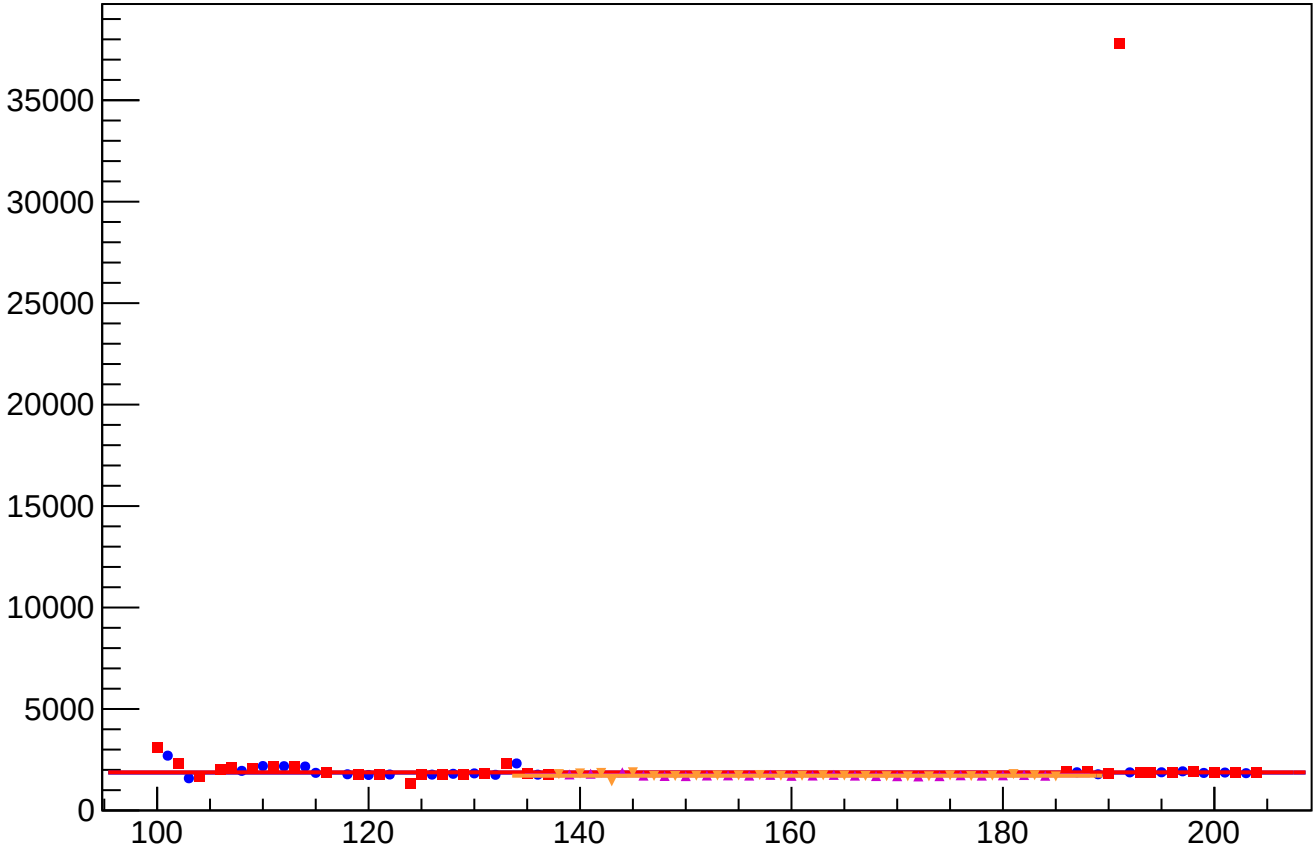
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -295.688+/-310.684 χ^2/NDF: 50.9/48

All: 42.920+/-219.733 χ^2/NDF: 104.6/101

- sign 381.815+/-310.816 χ^2/NDF: 51.3/52

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1865.339+/-0.364 χ^2/NDF: 261056.7/23

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

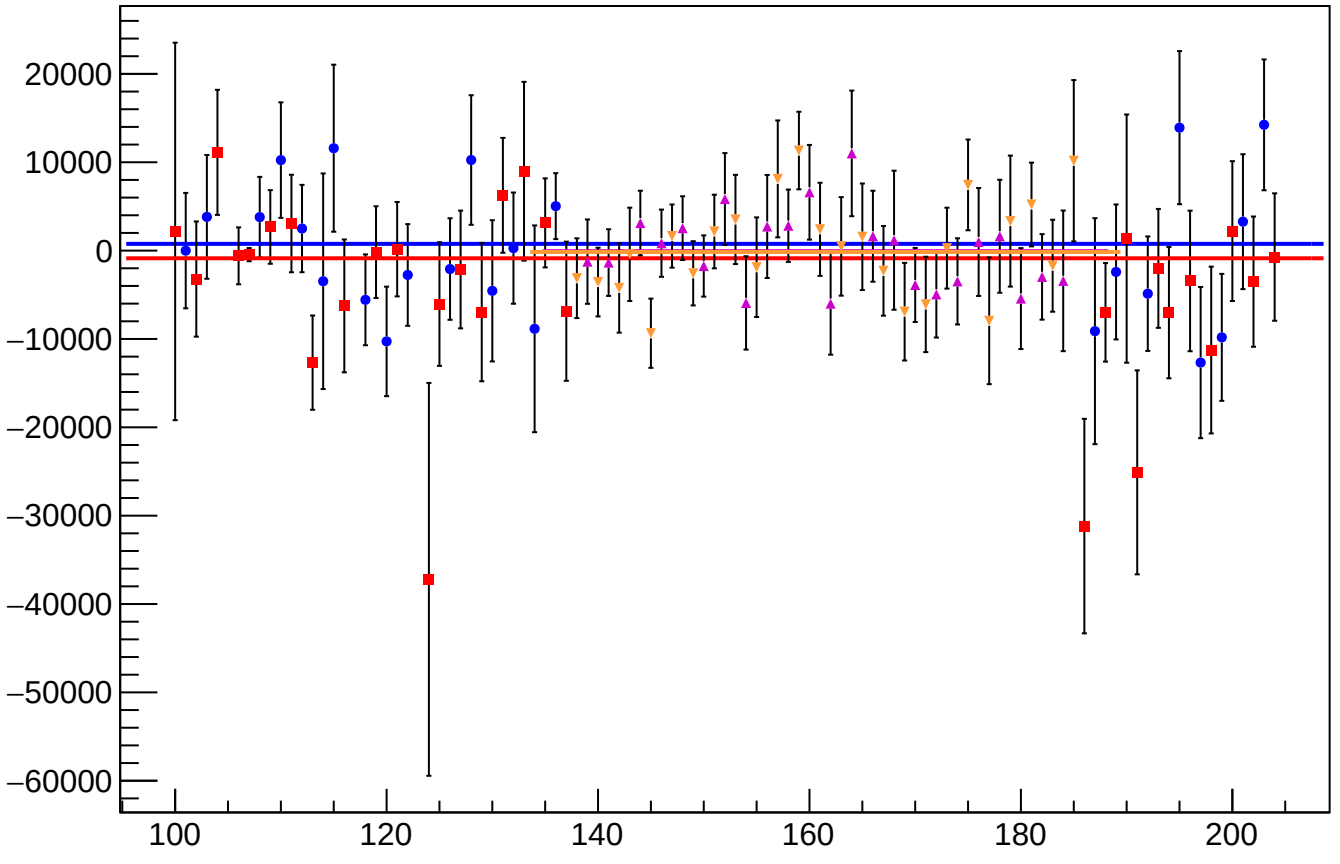
Right Out: 1877.678+/-0.344 χ^2/NDF: 410319.5/29

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1767.955+/-0.220 χ^2/NDF: 467735.1/48

All: 1779.259+/-0.155 χ^2/NDF: 1015074.2/10

- sign 1790.569+/-0.220 χ^2/NDF: 542042.3/52



Right In: 763.791+/-1329.086 χ^2/NDF: 25.6/23

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -867.563+/-635.209 χ^2/NDF: 31.4/29

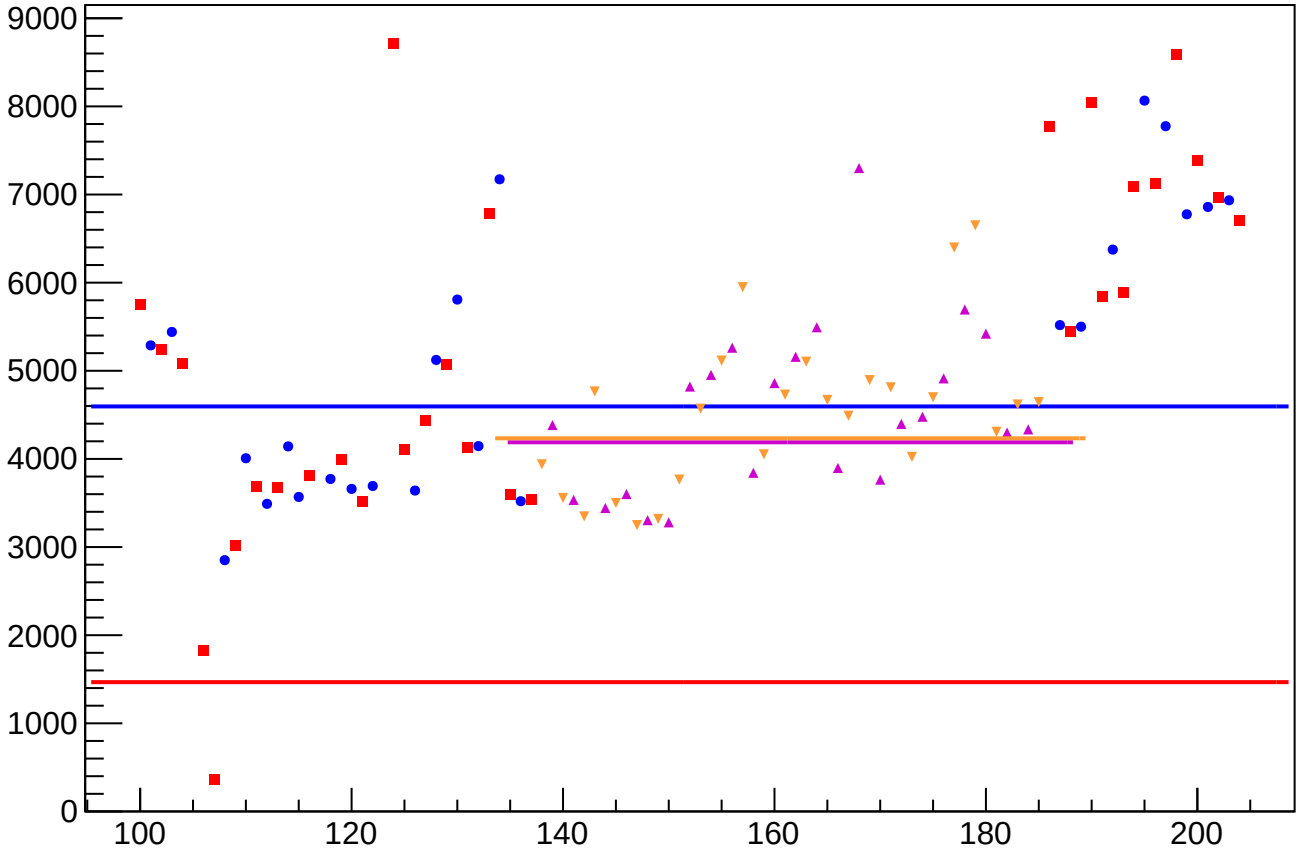
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 173.846+/-791.356 χ^2/NDF: 52.8/48

All: -381.814+/-443.898 χ^2/NDF: 99.4/101

- sign -636.918+/-536.198 χ^2/NDF: 45.9/52

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4595.596+/-0.940 χ^2/NDF: 2364802.8/23

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1467.272+/-0.449 χ^2/NDF: 19995993.3/29

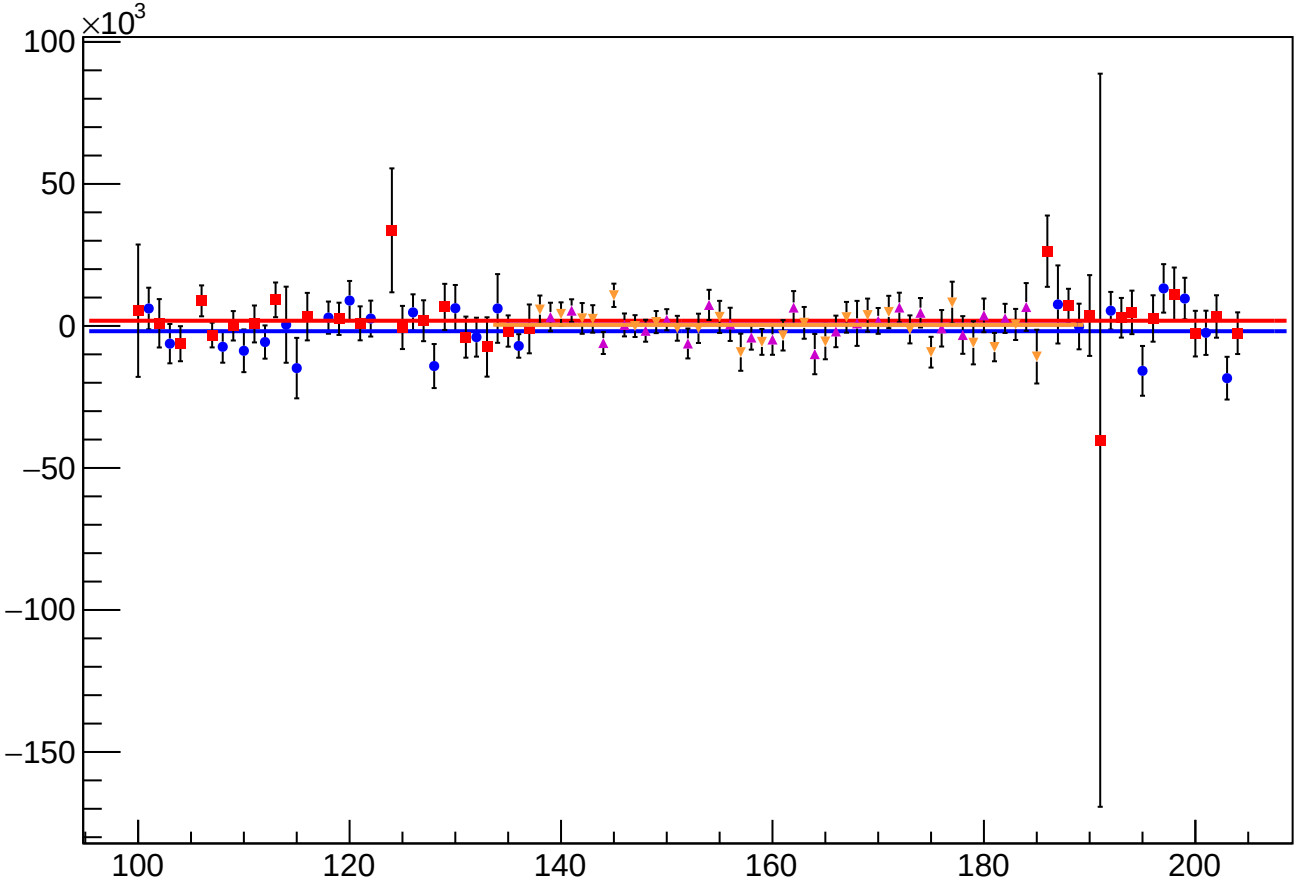
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4362.135+/-0.560 χ^2/NDF: 3745191.0/48

All: 2914.293+/-0.314 χ^2/NDF: 45407664.2/1

- sign 2249.589+/-0.379 χ^2/NDF: 31894299.2/52

asym_atl1r2_dd_mean vs Slug



Right In: -1850.639+/-1450.351 χ^2/NDF: 30.3/23

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 1836.413+/-1319.964 χ^2/NDF: 17.6/29

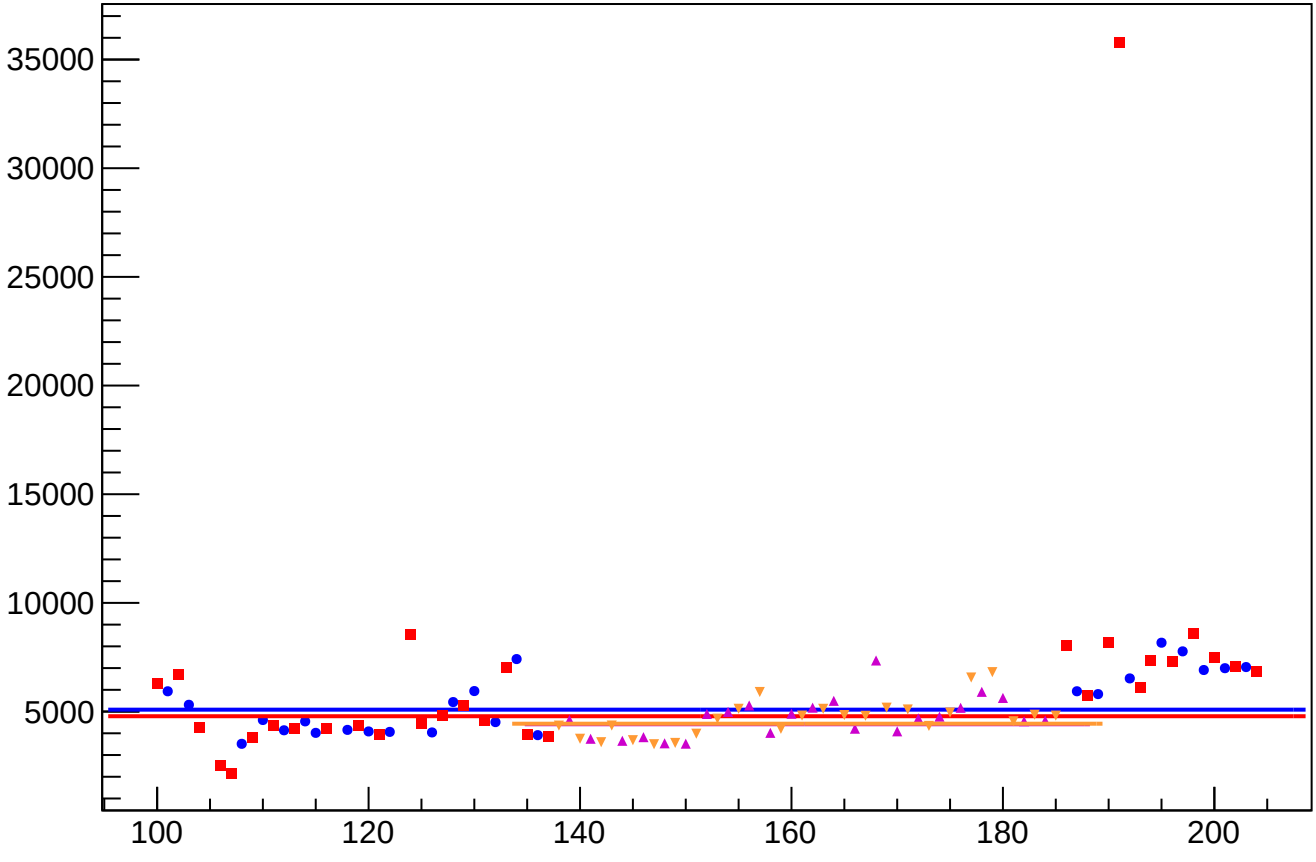
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -354.126+/-838.925 χ^2/NDF: 56.6/48

All: 347.078+/-586.977 χ^2/NDF: 93.5/101

- sign 1019.570+/-821.570 χ^2/NDF: 35.6/52

asym_atl1r2_dd_rms vs Slug



Right In: 5087.114+/-1.026 χ^2/NDF: 1688864.3/23

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4785.068+/-0.927 χ^2/NDF: 3494431.6/29

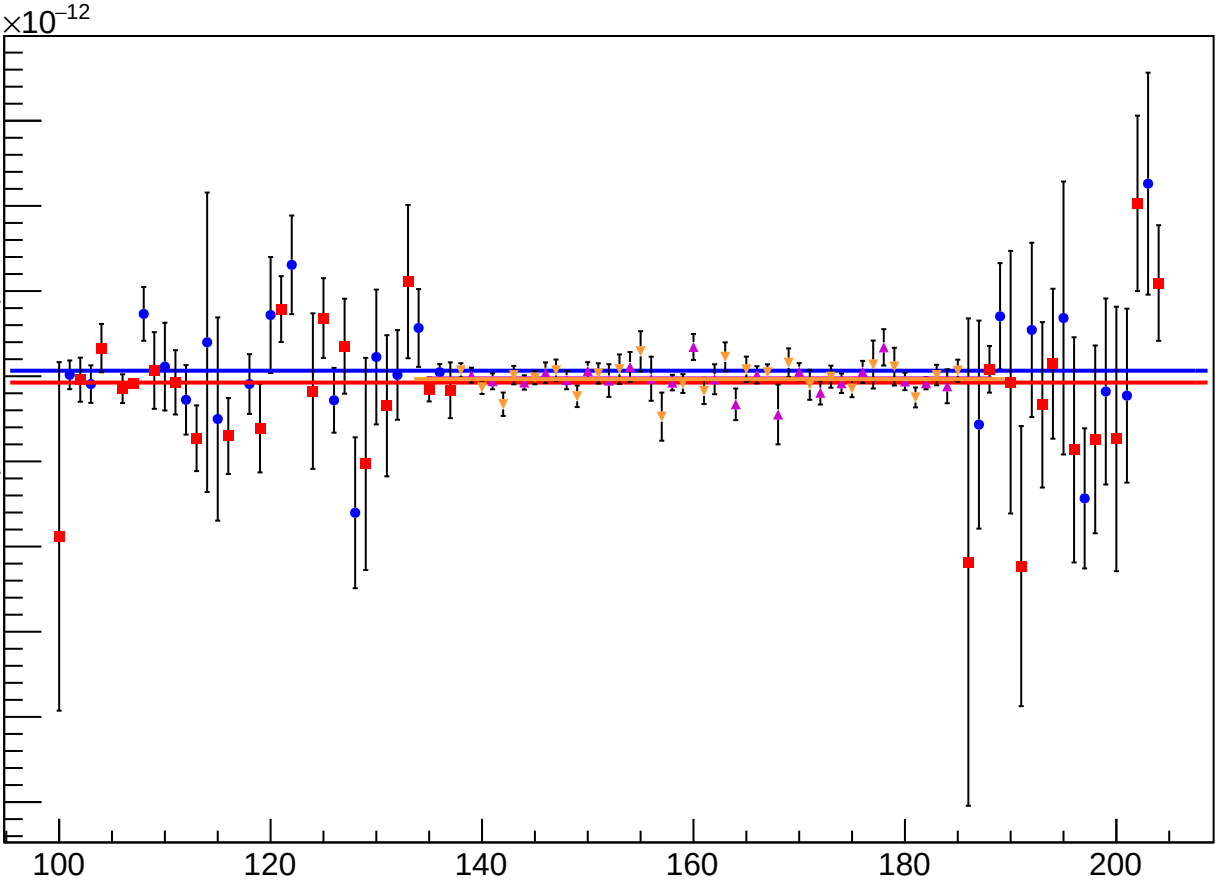
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4657.050+/-0.593 χ^2/NDF: 3026256.6/48

All: 4607.307+/-0.414 χ^2/NDF: 7742808.2/10

- sign 4559.870+/-0.579 χ^2/NDF: 4702814.4/52

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.8/29

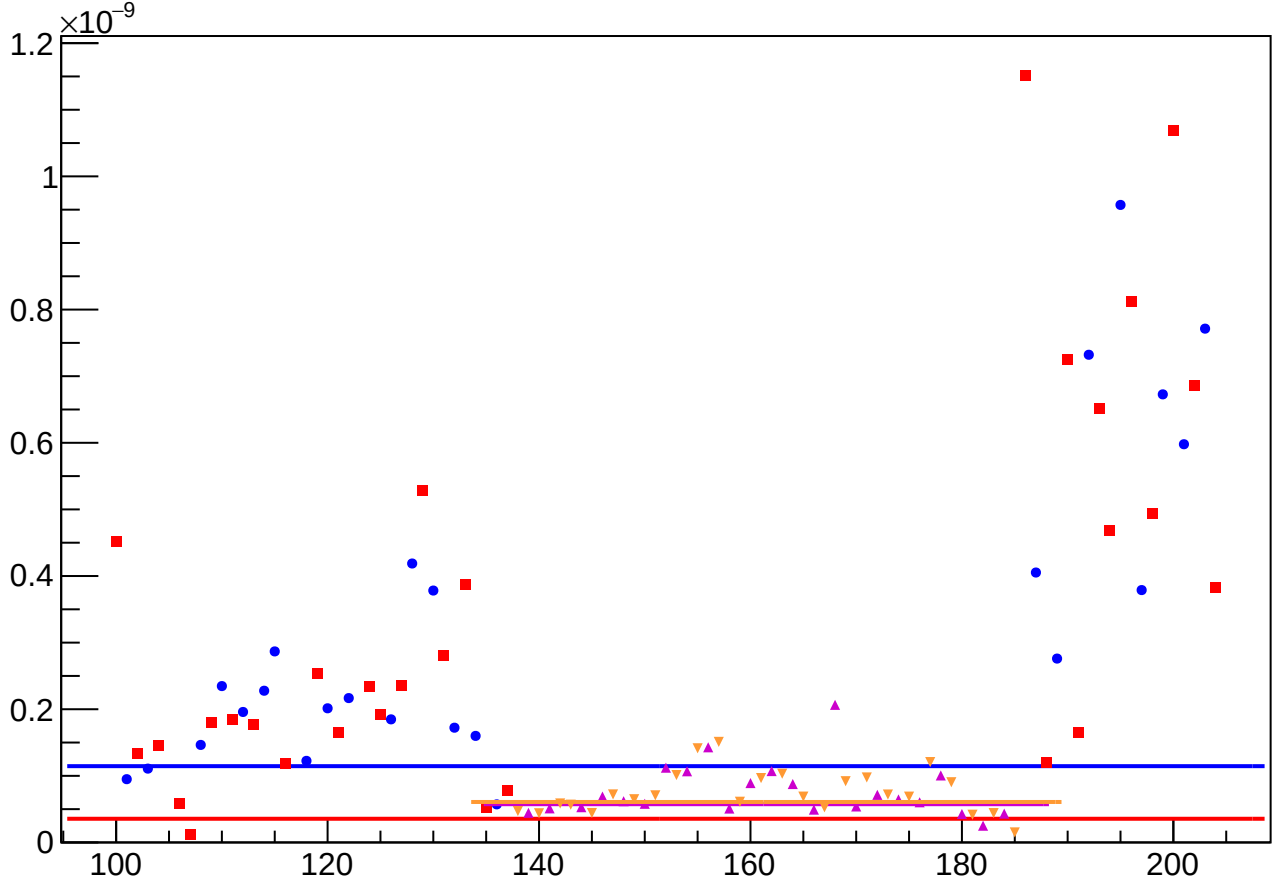
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.8/48

All: -0.000+/-0.000 χ^2/NDF: 107.8/101

- sign -0.000+/-0.000 χ^2/NDF: 51.6/52

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4873483.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9863620.4/29

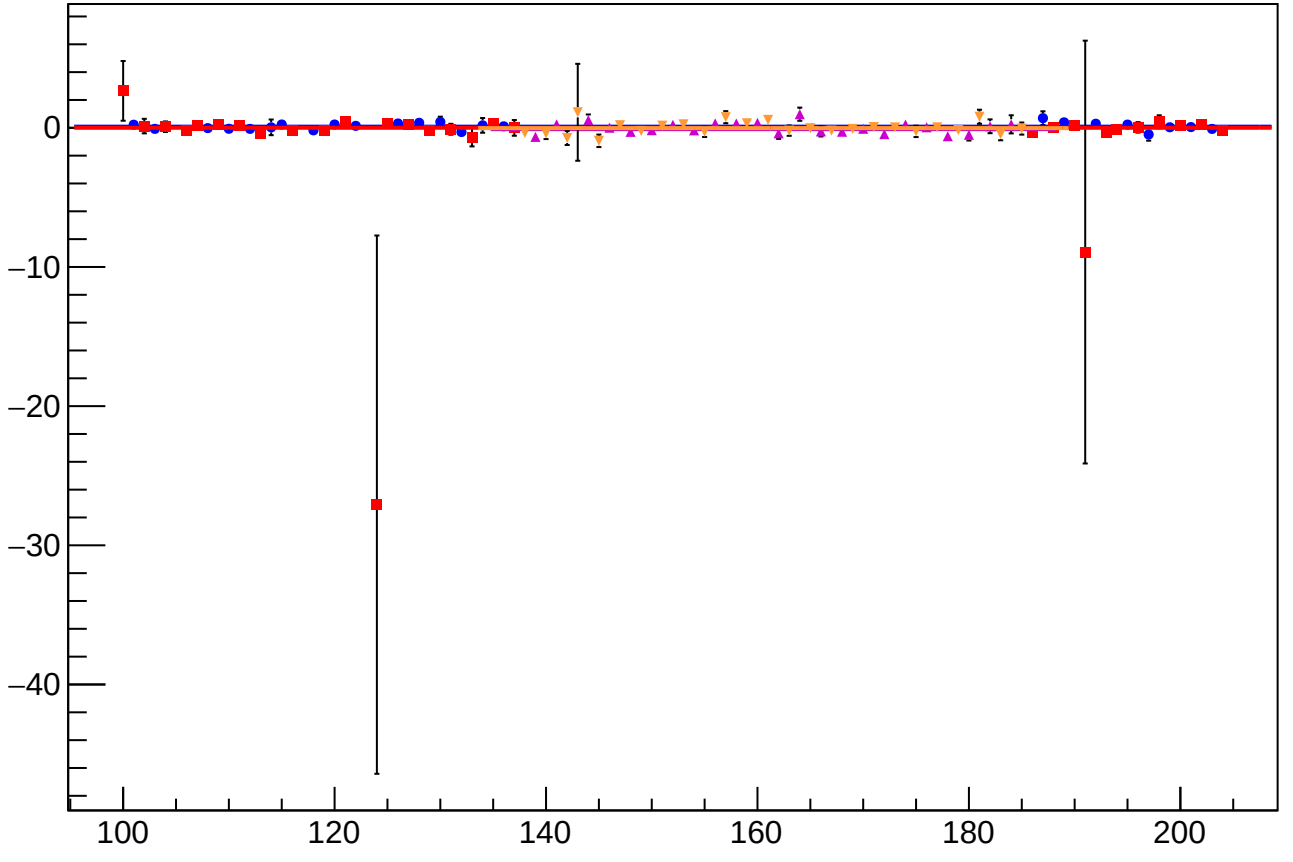
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7737499.2/48

All: 0.000+/-0.000 χ^2/NDF: 20720153.3/101

- sign 0.000+/-0.000 χ^2/NDF: 12310851.2/52

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.082+/-0.056 χ^2/NDF: 14.2/23

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.003+/-0.048 χ^2/NDF: 28.8/29

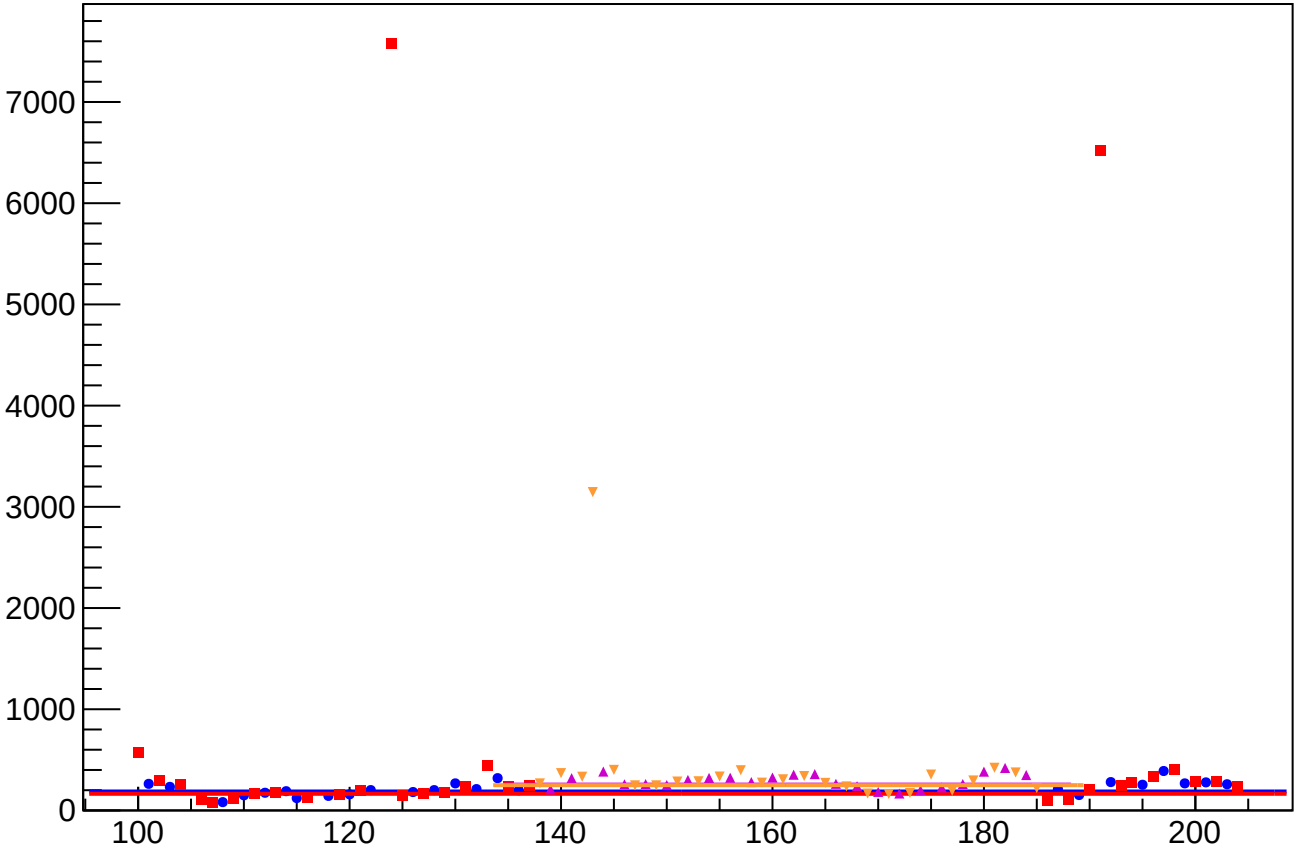
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.034+/-0.042 χ^2/NDF: 39.4/48

All: -0.003+/-0.028 χ^2/NDF: 102.6/101

- sign -0.034+/-0.038 χ^2/NDF: 61.8/52

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 187.330+/-0.040 χ^2/NDF: 2936186.9/23

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

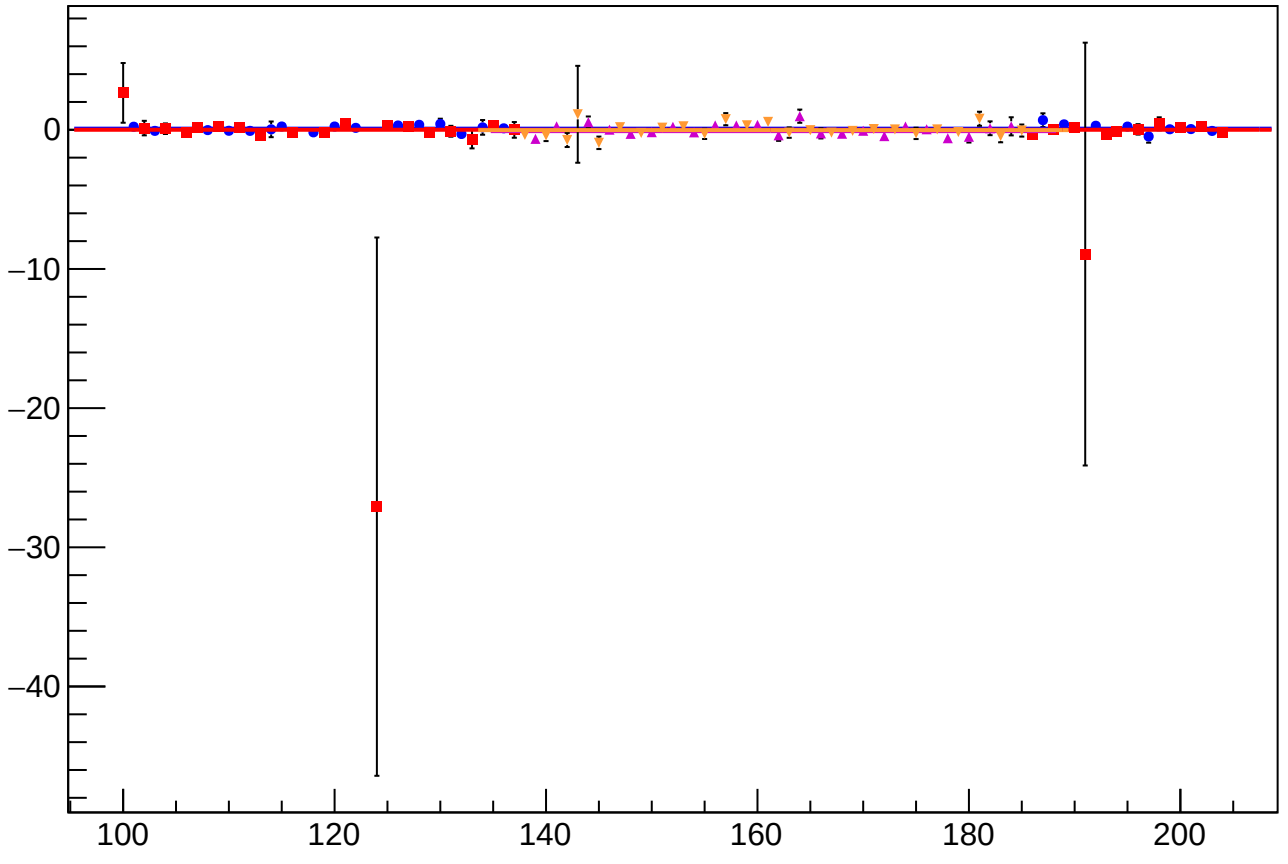
Right Out: 164.657+/-0.034 χ^2/NDF: 5272282.4/29

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 215.723+/-0.029 χ^2/NDF: 8294481.3/48

All: 206.378+/-0.020 χ^2/NDF: 18466217.9/10

- sign 198.376+/-0.027 χ^2/NDF: 9983714.8/52



Right In: 0.082+/-0.056 χ^2/NDF: 14.2/23

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.003+/-0.048 χ^2/NDF: 28.8/29

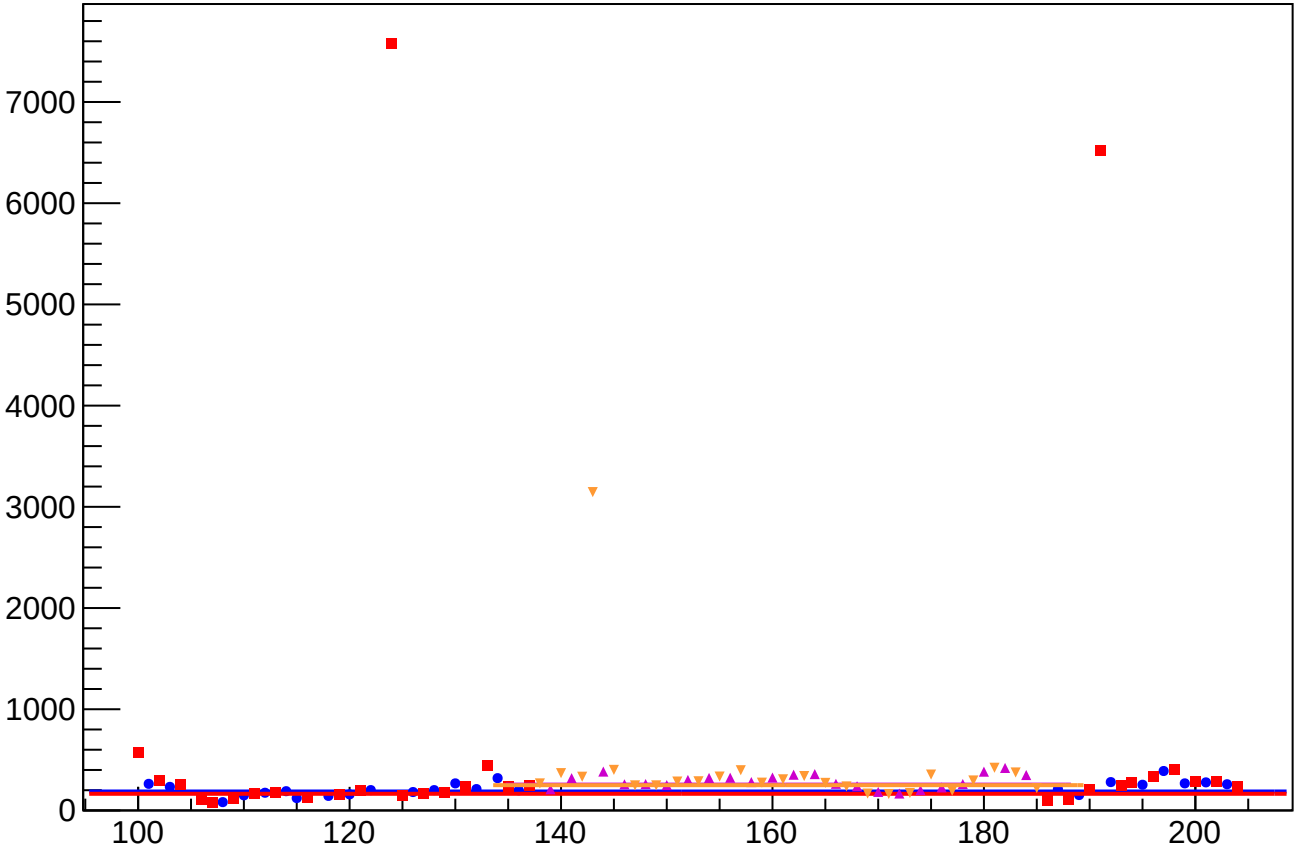
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.034+/-0.042 χ^2/NDF: 39.4/48

All: -0.003+/-0.028 χ^2/NDF: 102.6/101

- sign -0.034+/-0.038 χ^2/NDF: 61.8/52

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 187.330+/-0.040 χ^2/NDF: 2936186.9/23

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

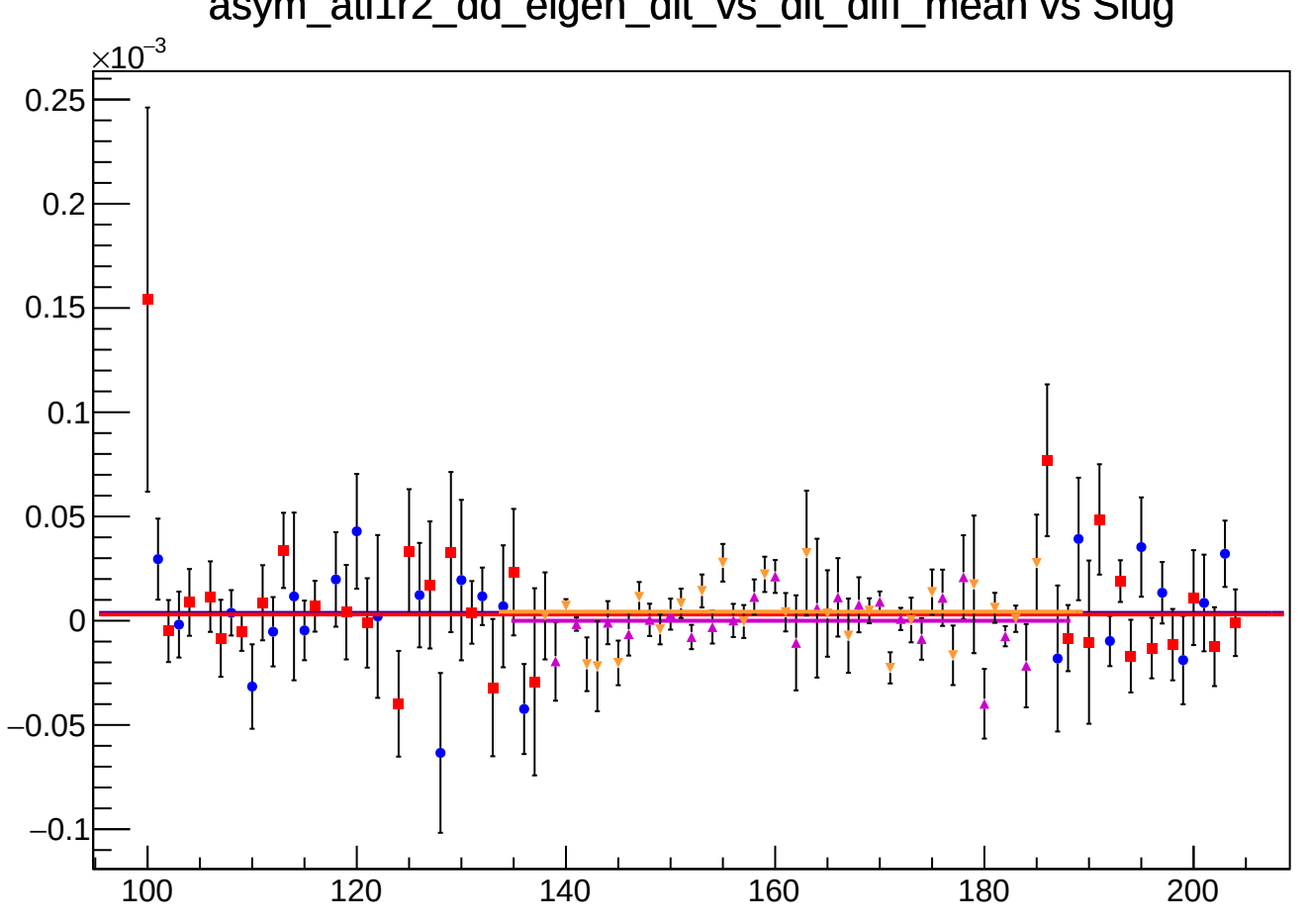
Right Out: 164.657+/-0.034 χ^2/NDF: 5272282.4/29

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 215.723+/-0.029 χ^2/NDF: 8294481.3/48

All: 206.378+/-0.020 χ^2/NDF: 18466217.9/10

- sign 198.376+/-0.027 χ^2/NDF: 9983714.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/29

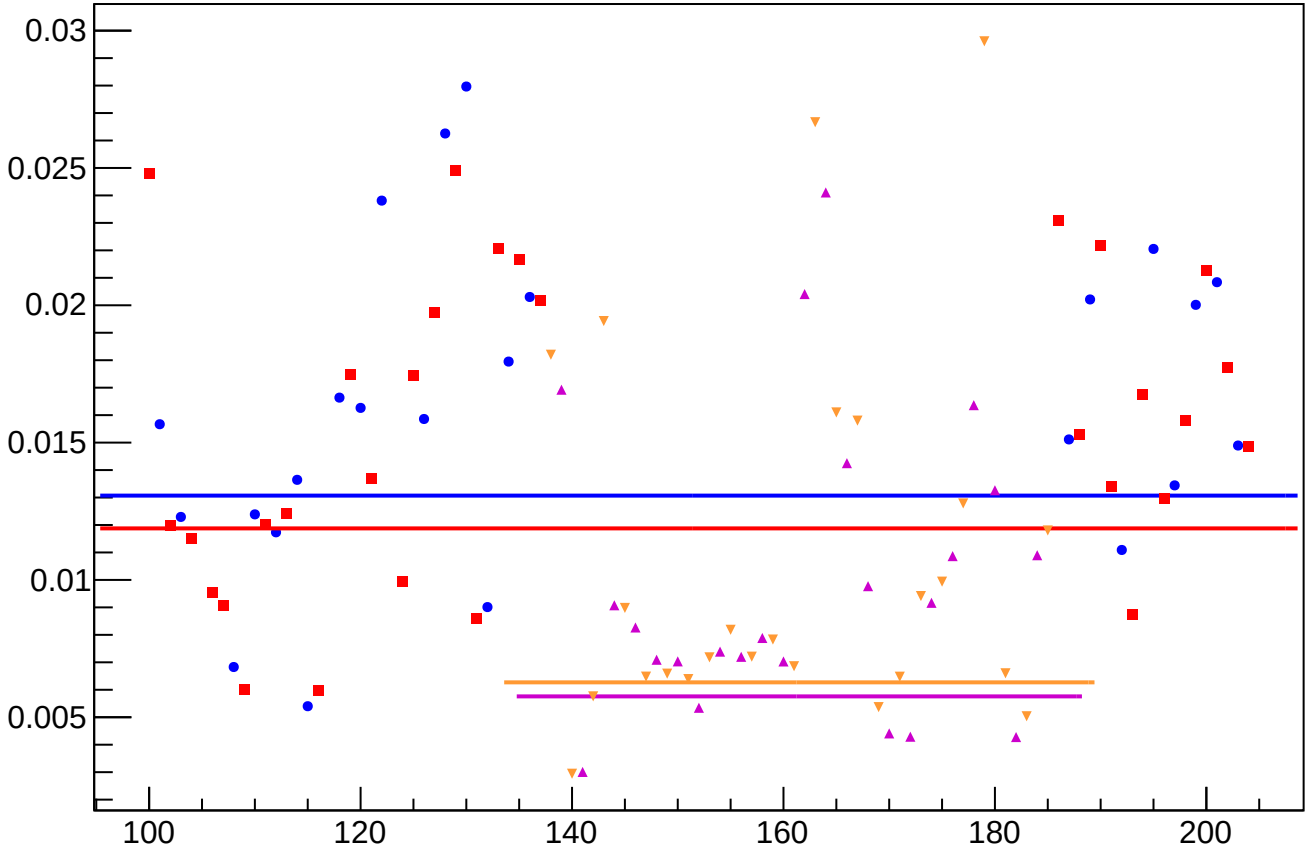
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.1/48

All: 0.000+/-0.000 χ^2/NDF: 133.9/101

- sign 0.000+/-0.000 χ^2/NDF: 58.7/52

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 3460701.4/23

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

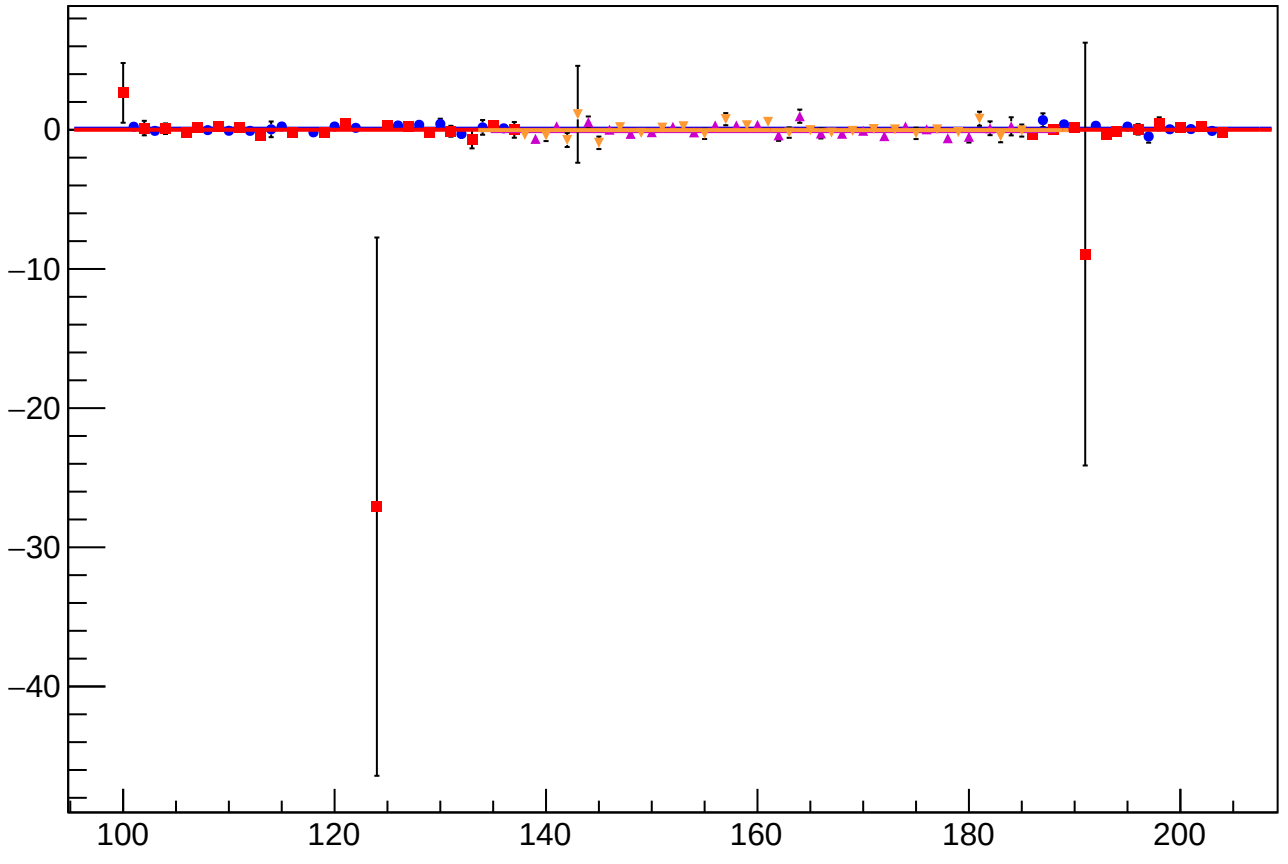
Right Out: 0.012+/-0.000 χ^2/NDF: 4085844.7/29

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 16501183.7/48

All: 0.007+/-0.000 χ^2/NDF: 33362941.2/101

- sign 0.007+/-0.000 χ^2/NDF: 16791633.6/52



Right In: 0.082+/-0.056 χ^2/NDF: 14.2/23

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.003+/-0.048 χ^2/NDF: 28.8/29

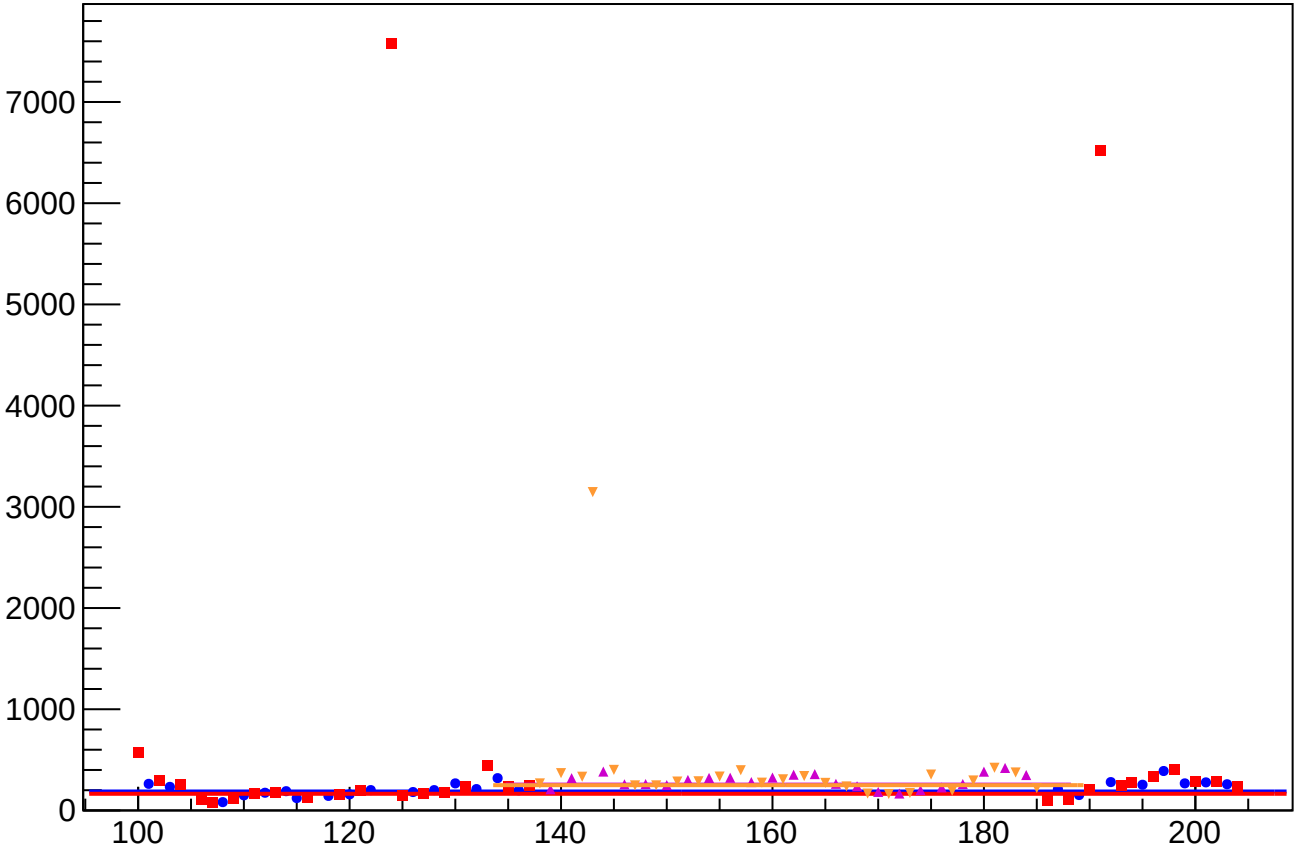
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.034+/-0.042 χ^2/NDF: 39.4/48

All: -0.003+/-0.028 χ^2/NDF: 102.6/101

- sign -0.034+/-0.038 χ^2/NDF: 61.8/52

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 187.328+/-0.040 χ^2/NDF: 2936263.7/23

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

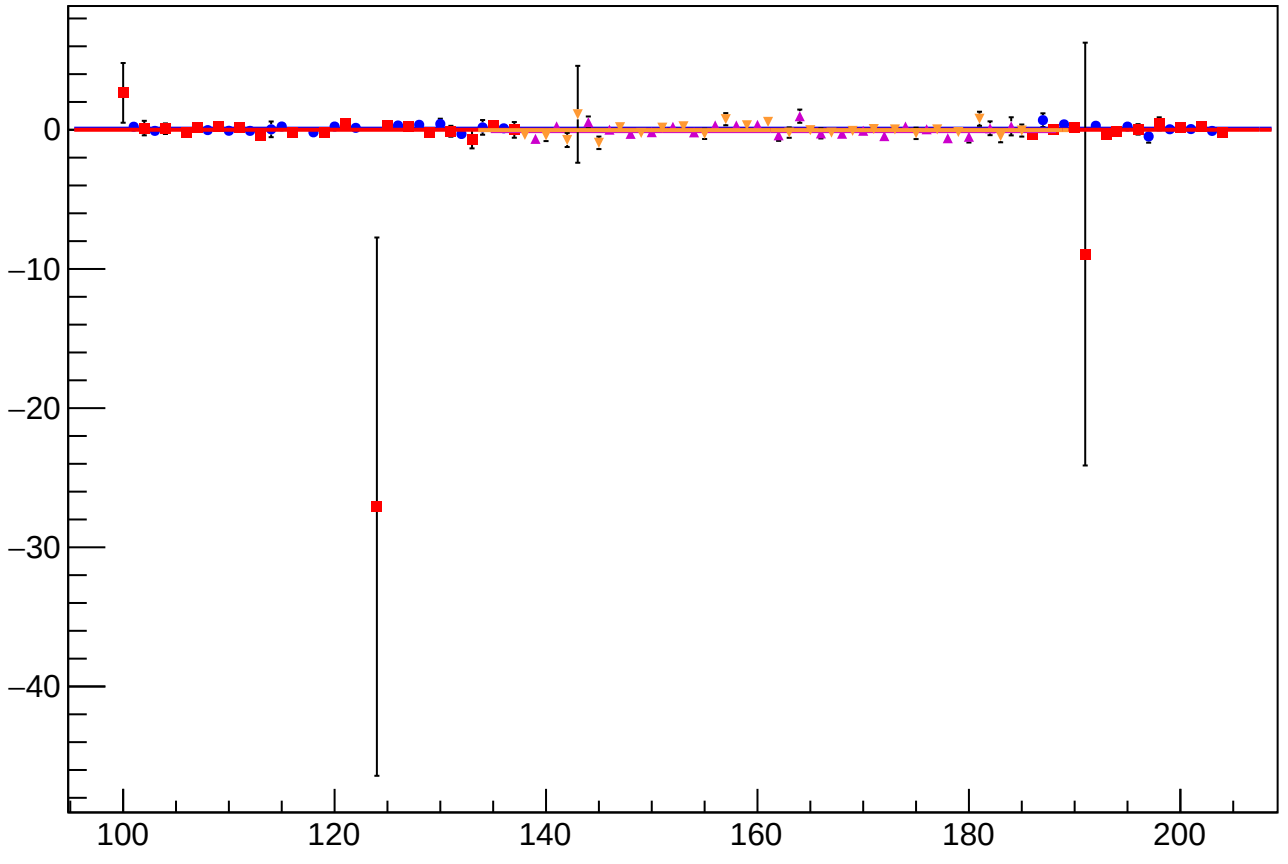
Right Out: 164.659+/-0.034 χ^2/NDF: 5272162.6/29

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 215.722+/-0.029 χ^2/NDF: 8294775.6/48

All: 206.379+/-0.020 χ^2/NDF: 18466302.5/10

- sign 198.379+/-0.027 χ^2/NDF: 9983575.3/52



Right In: 0.082+/-0.056 χ^2/NDF: 14.2/23

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

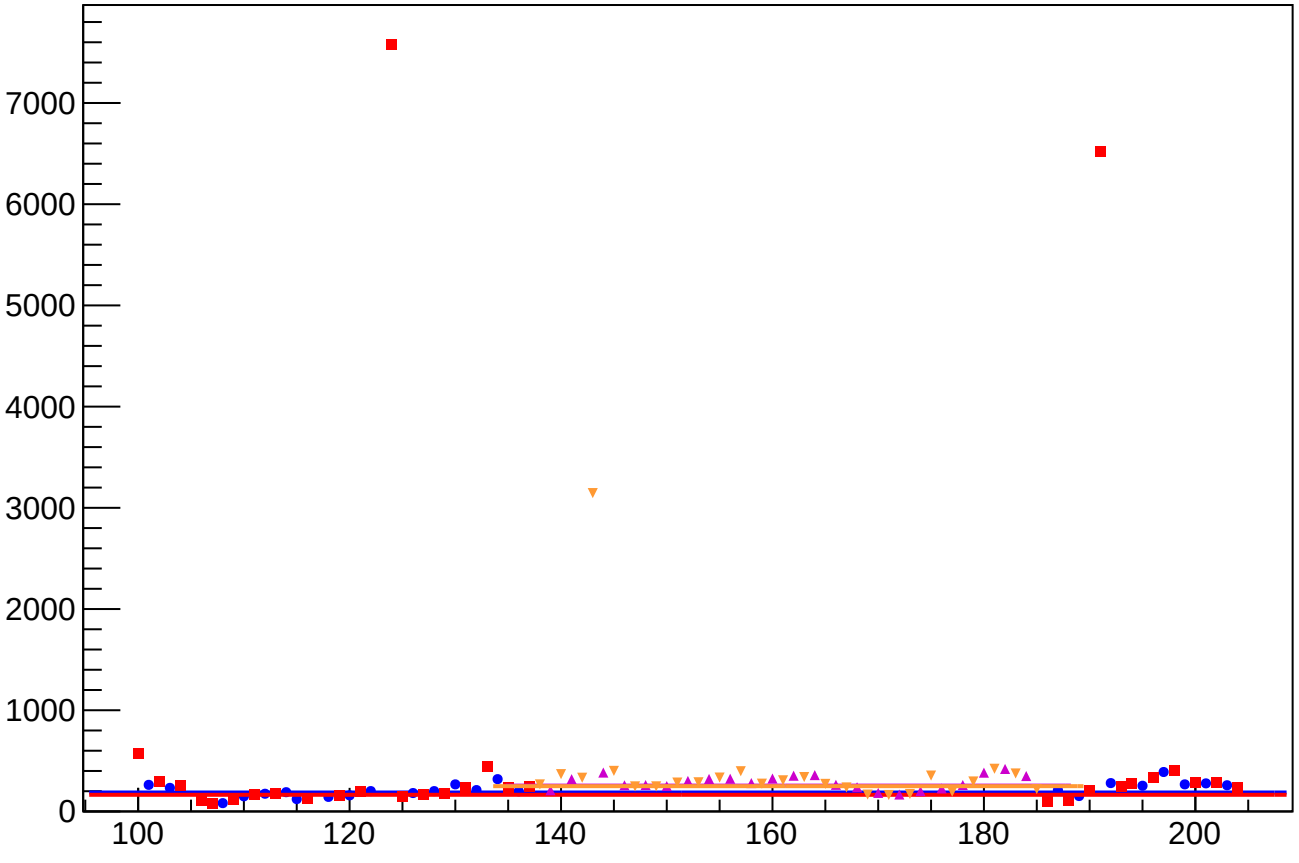
Right Out: 0.003+/-0.048 χ^2/NDF: 28.8/29

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.034+/-0.042 χ^2/NDF: 39.4/48

All: -0.003+/-0.028 χ^2/NDF: 102.6/101

- sign -0.034+/-0.038 χ^2/NDF: 61.8/52



Right In: 187.328+/-0.040 χ^2/NDF: 2936263.7/23

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

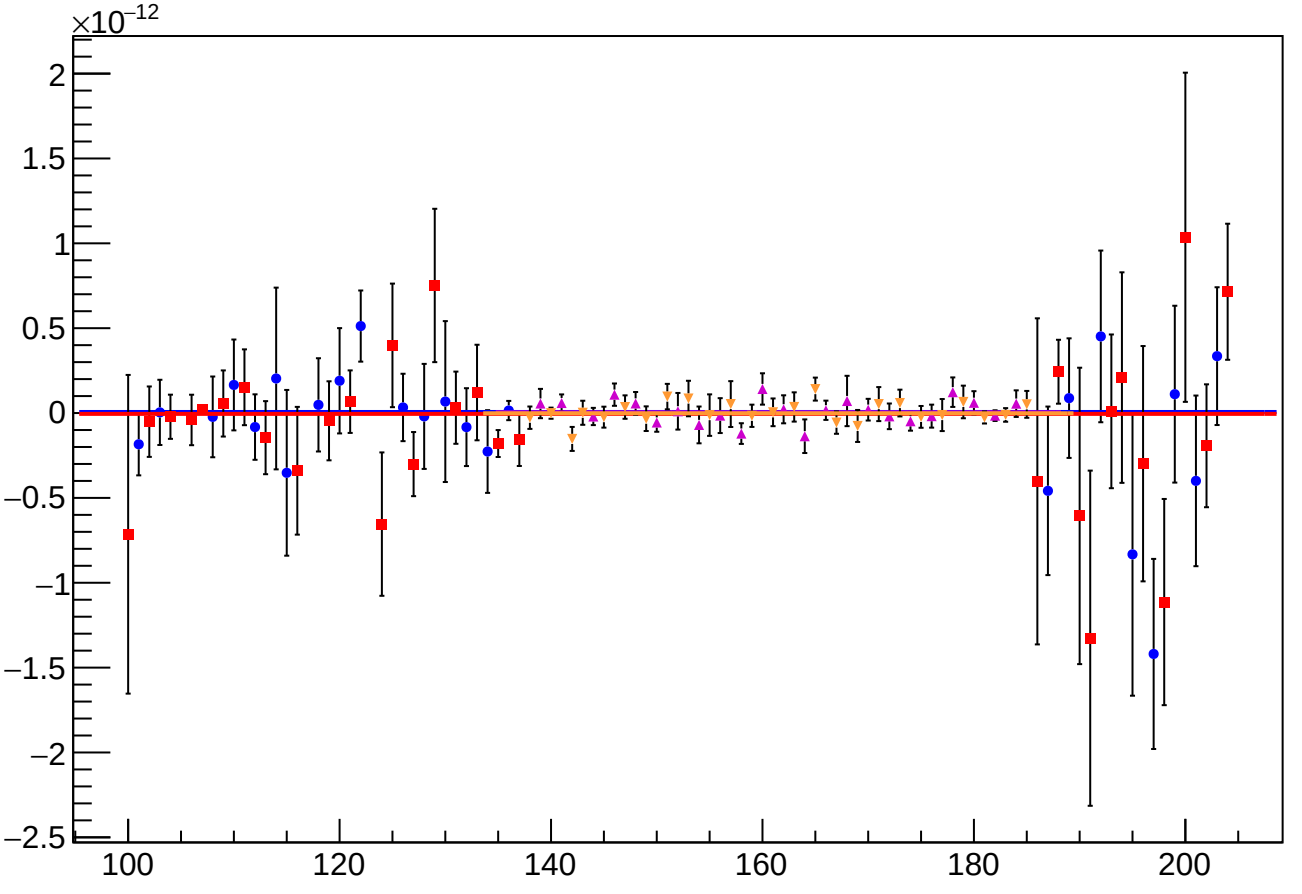
Right Out: 164.659+/-0.034 χ^2/NDF: 5272162.6/29

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 215.722+/-0.029 χ^2/NDF: 8294775.6/48

All: 206.379+/-0.020 χ^2/NDF: 18466302.5/10

- sign 198.379+/-0.027 χ^2/NDF: 9983575.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 20.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

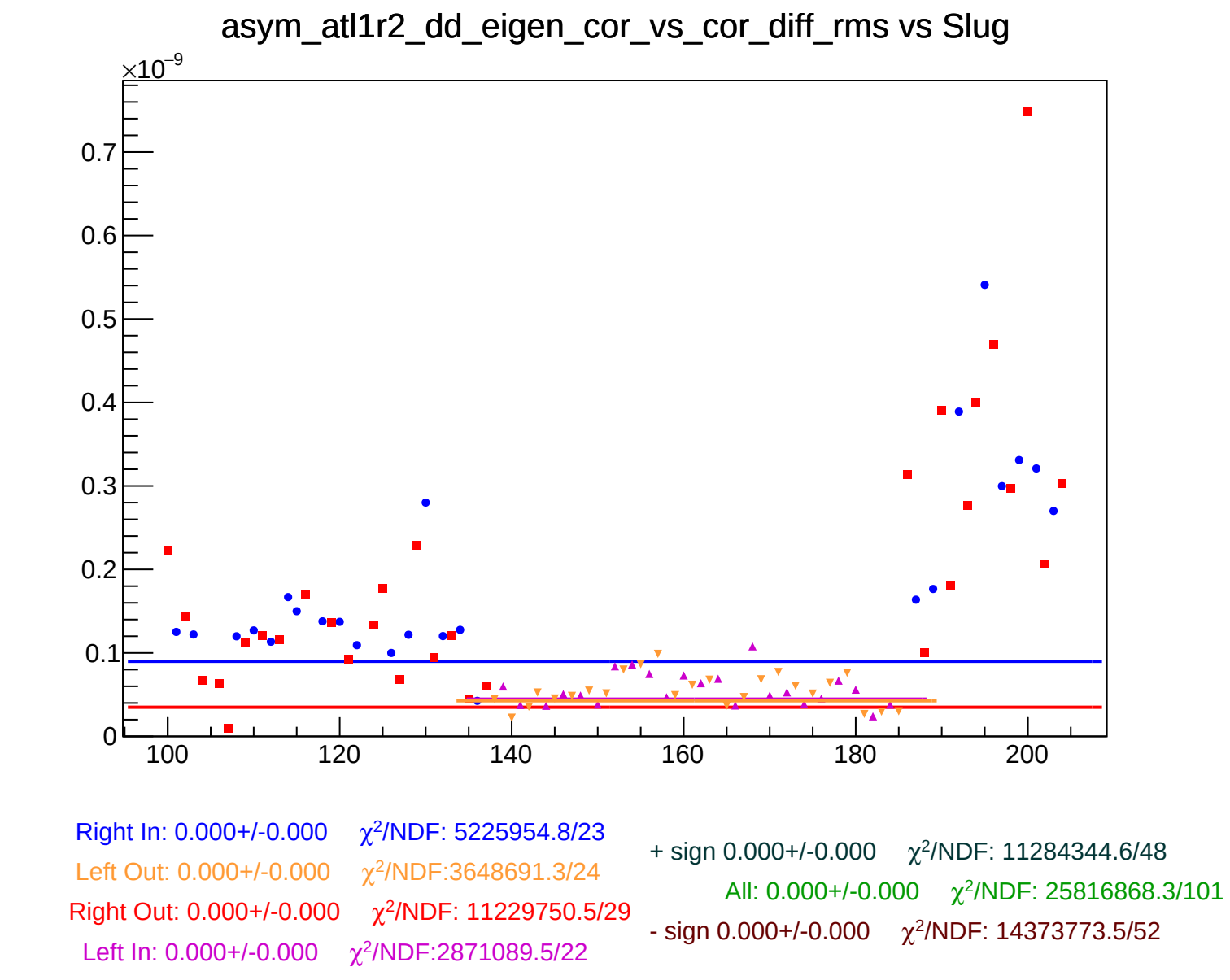
Right Out: -0.000+/-0.000 χ^2/NDF: 30.8/29

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

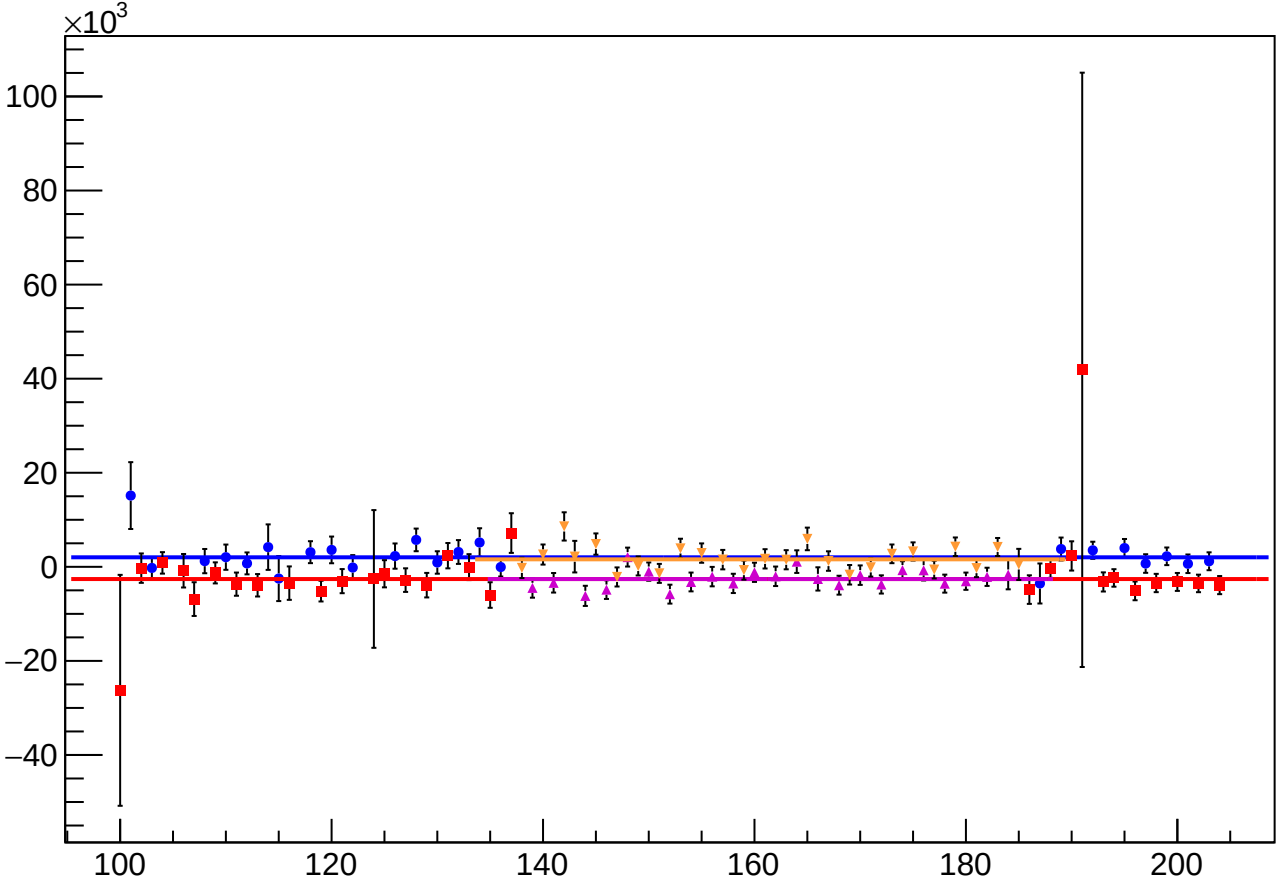
+ sign -0.000+/-0.000 χ^2/NDF: 36.6/48

All: 0.000+/-0.000 χ^2/NDF: 87.4/101

- sign 0.000+/-0.000 χ^2/NDF: 50.8/52


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: 5225954.8/23
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 11229750.5/29
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
+ sign 0.000+/-0.000 χ²/NDF: 11284344.6/48
All: 0.000+/-0.000 χ²/NDF: 25816868.3/101
- sign 0.000+/-0.000 χ²/NDF: 14373773.5/52

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2023.781+/-493.053 χ^2/NDF: 17.2/23

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2598.249+/-462.266 χ^2/NDF: 26.8/29

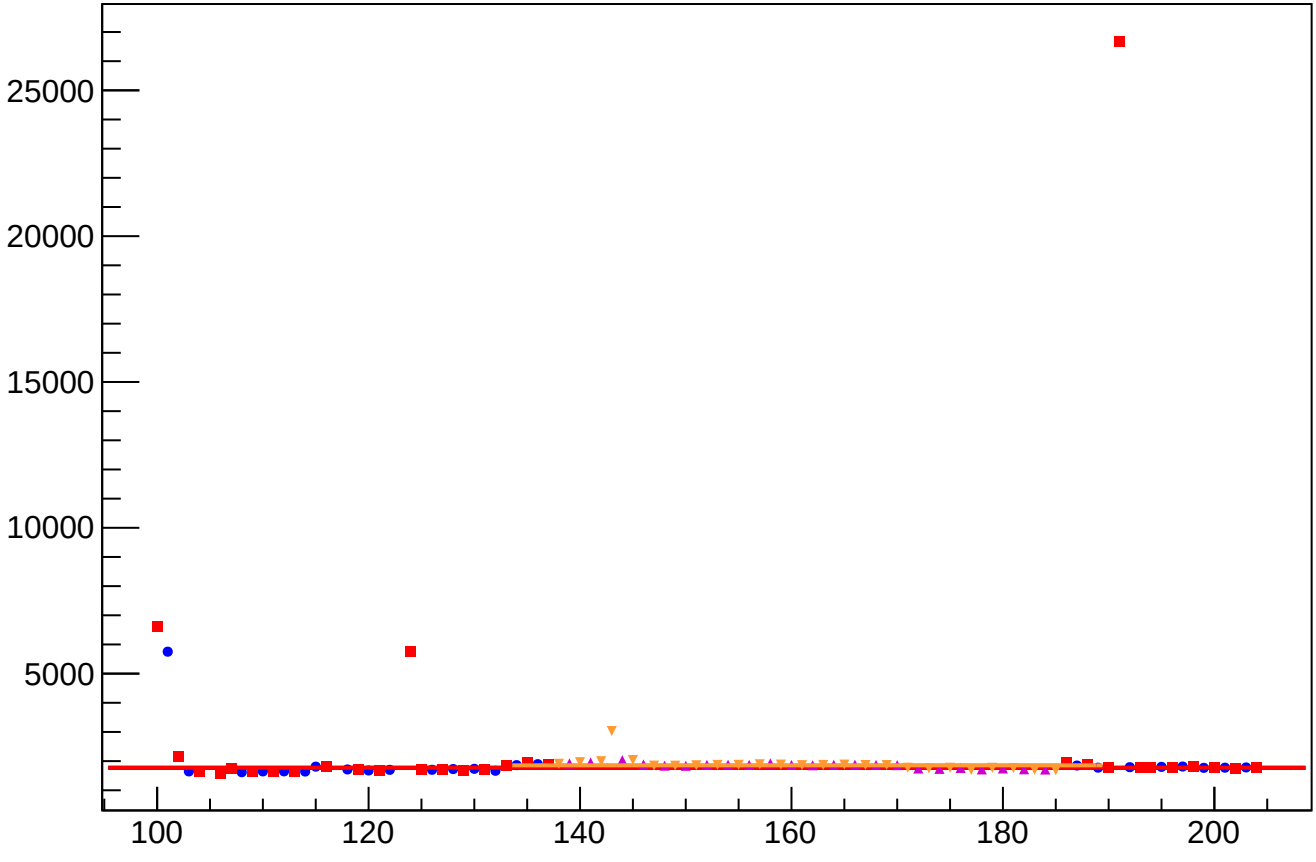
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1775.479+/-321.173 χ^2/NDF: 48.9/48

All: -453.953+/-224.875 χ^2/NDF: 190.3/101

- sign -2597.976+/-314.960 χ^2/NDF: 46.9/52

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1768.954+/-0.349 χ^2/NDF: 674838.9/23

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.422+/-0.326 χ^2/NDF: 639547.7/29

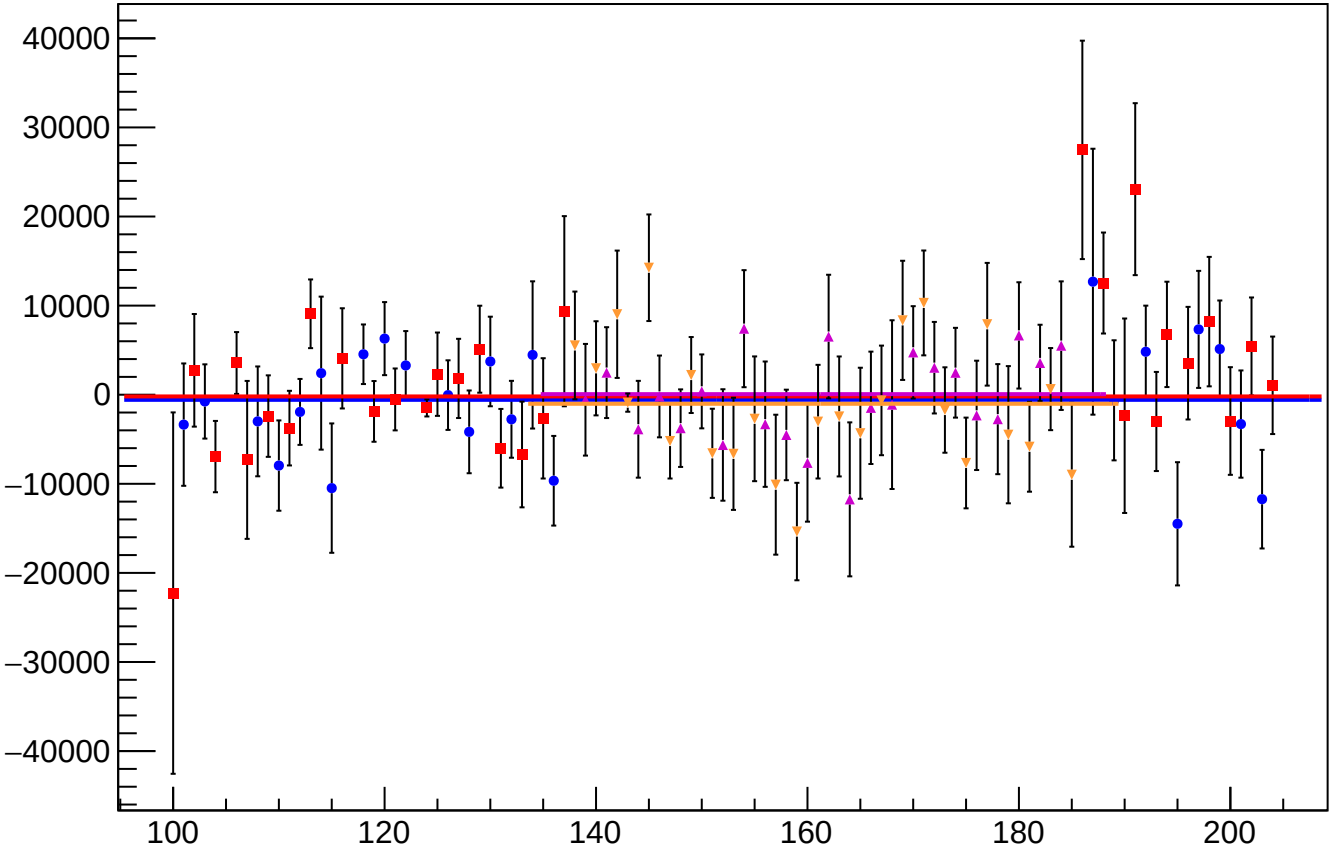
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1818.811+/-0.227 χ^2/NDF: 1034630.3/48

All: 1814.530+/-0.159 χ^2/NDF: 1767496.7/10

- sign 1810.427+/-0.222 χ^2/NDF: 732170.5/52

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -575.286+/-1038.681 χ^2/NDF: 28.7/23

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -194.529+/-681.310 χ^2/NDF: 41.6/29

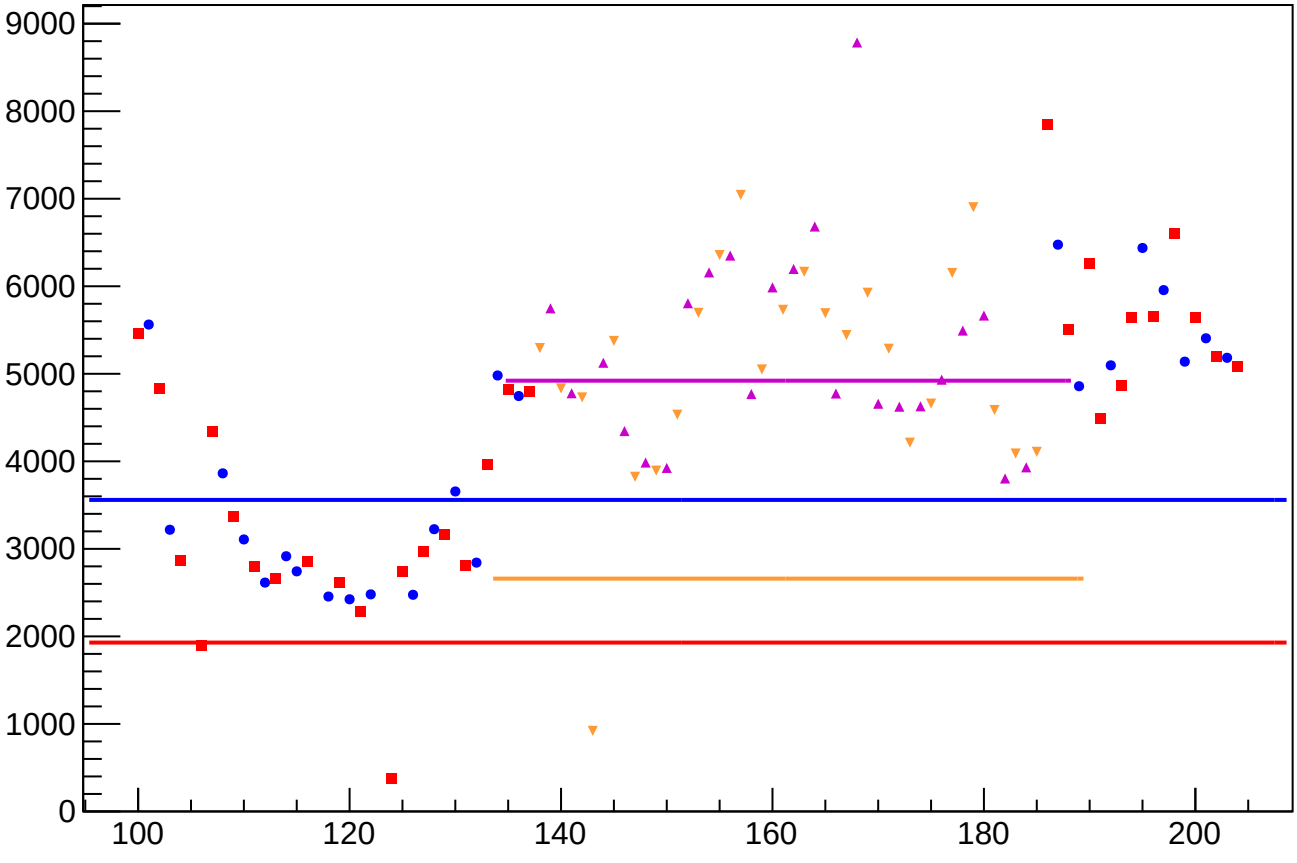
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -861.066+/-619.507 χ^2/NDF: 62.5/48

All: -477.086+/-426.938 χ^2/NDF: 118.0/101

- sign -129.760+/-589.197 χ^2/NDF: 54.7/52

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3559.171+/-0.734 χ^2/NDF: 2758044.6/23

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1929.377+/-0.482 χ^2/NDF: 14383027.4/29

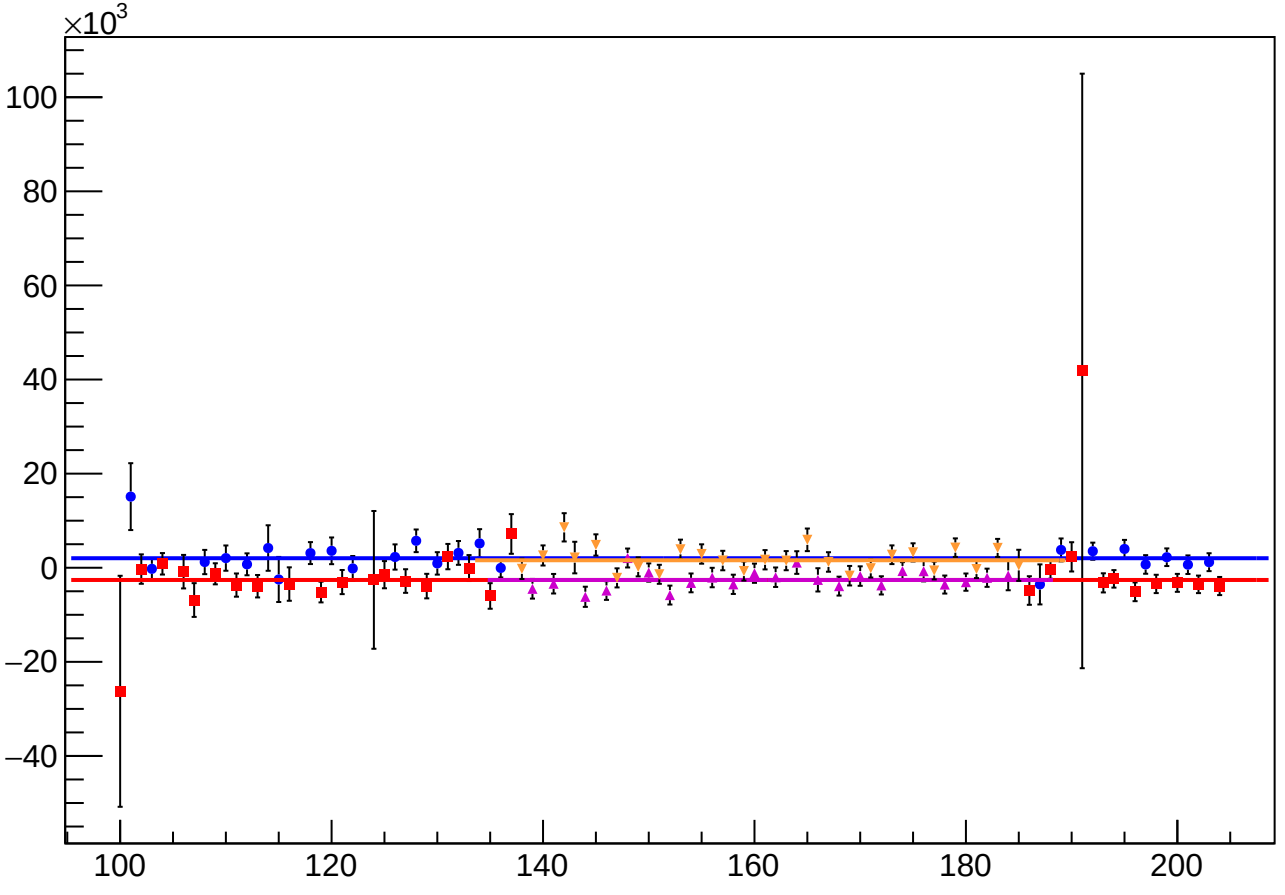
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2979.873+/-0.438 χ^2/NDF: 18259735.7/48

All: 2824.367+/-0.302 χ^2/NDF: 43858097.8/1

- sign 2683.706+/-0.417 χ^2/NDF: 25358356.7/52

cor_asym_atr1l2_avg_mean vs Slug



Right In: 2023.611+/-493.053 χ^2/NDF: 17.2/23

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2598.257+/-462.266 χ^2/NDF: 26.8/29

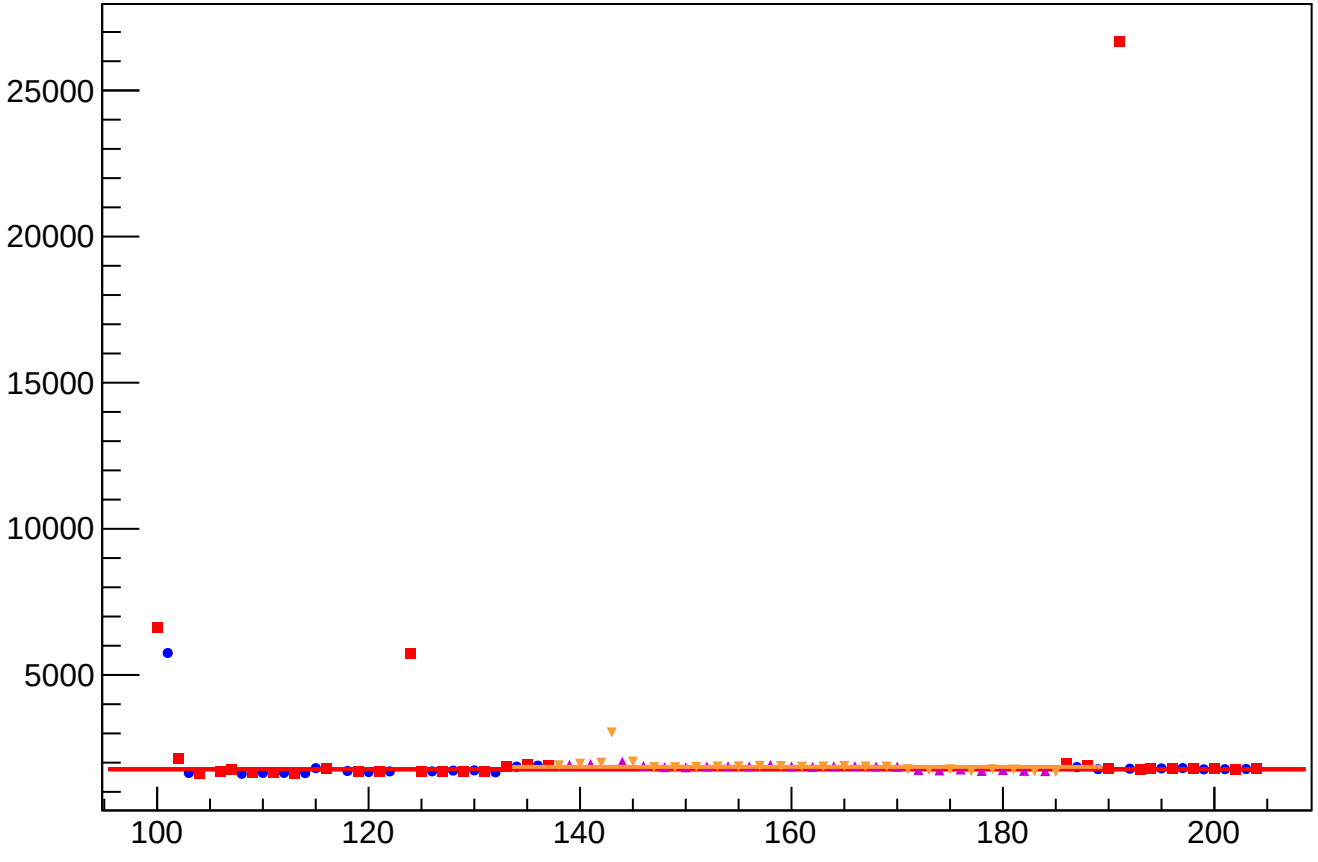
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1775.388+/-321.173 χ^2/NDF: 48.9/48

All: -454.020+/-224.875 χ^2/NDF: 190.3/101

- sign -2598.019+/-314.960 χ^2/NDF: 46.9/52

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1768.954+/-0.349 χ^2/NDF: 674839.2/23

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.901+/-0.326 χ^2/NDF: 630702.8/29

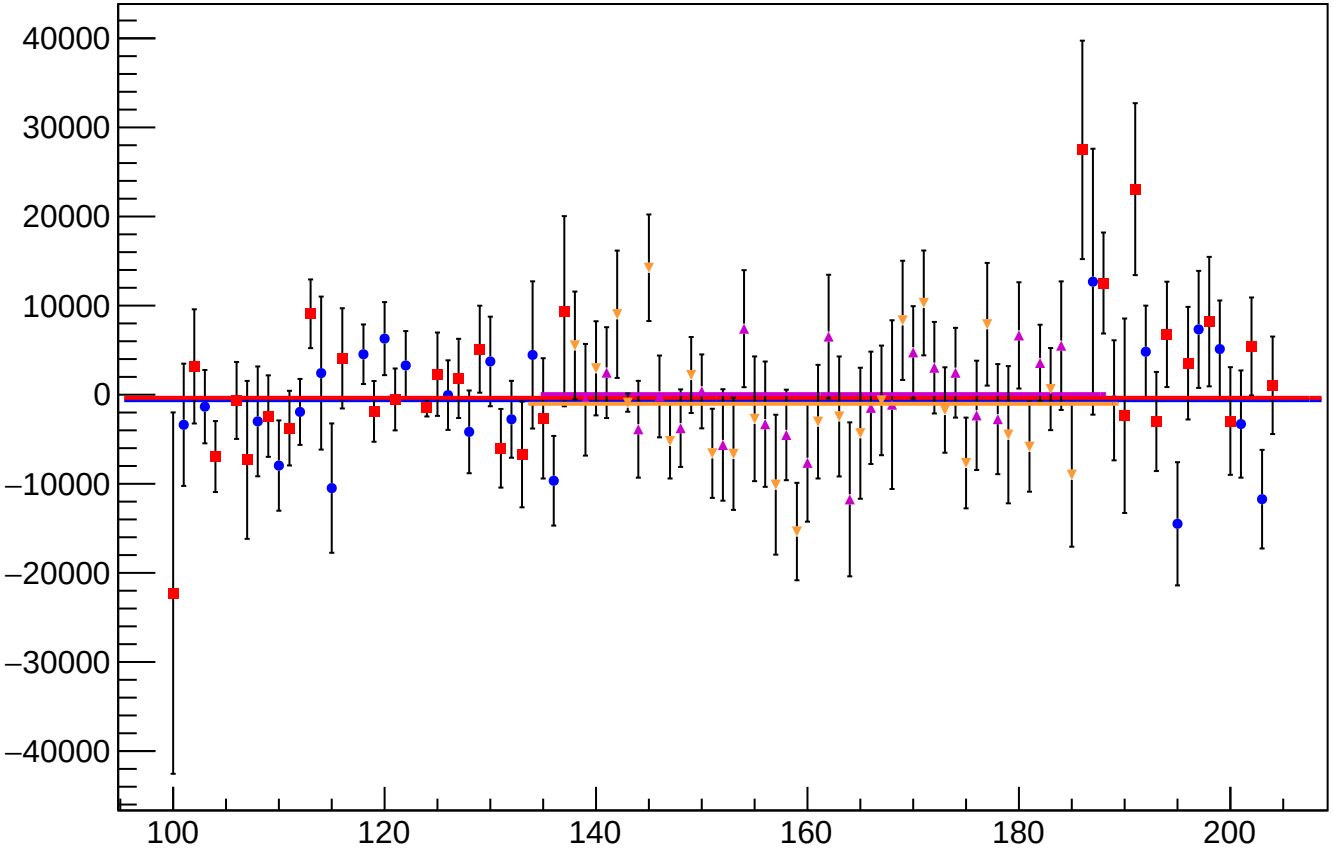
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1818.811+/-0.227 χ^2/NDF: 1034630.7/48

All: 1815.389+/-0.159 χ^2/NDF: 1756128.7/10

- sign 1812.104+/-0.223 χ^2/NDF: 721053.0/52

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -613.151+/-1037.845 χ^2/NDF: 28.7/23

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -350.769+/-686.037 χ^2/NDF: 40.5/29

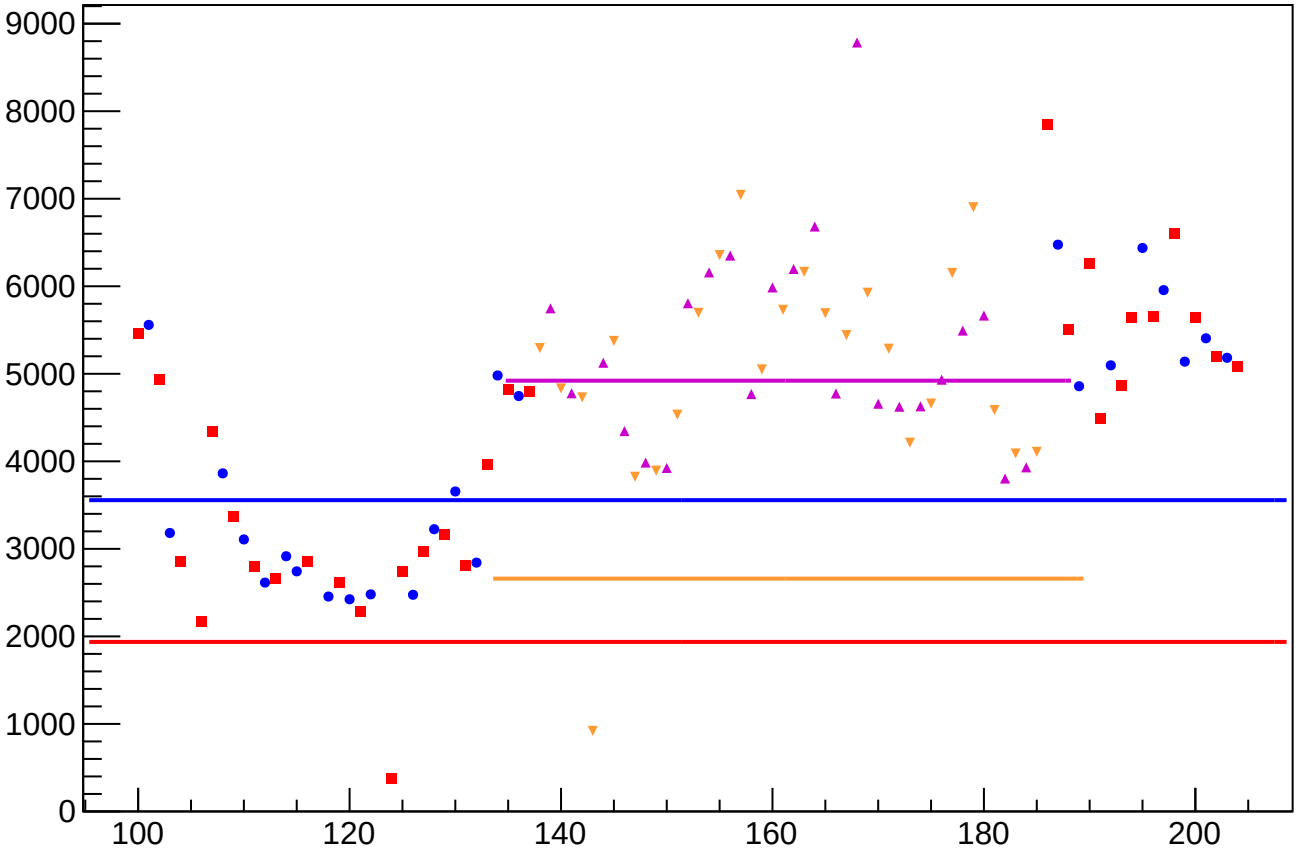
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -874.294+/-619.320 χ^2/NDF: 62.6/48

All: -545.878+/-428.033 χ^2/NDF: 116.7/101

- sign -245.549+/-592.246 χ^2/NDF: 53.6/52

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3556.272+/-0.734 χ^2/NDF: 2761053.2/23

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1936.951+/-0.485 χ^2/NDF: 14404355.1/29

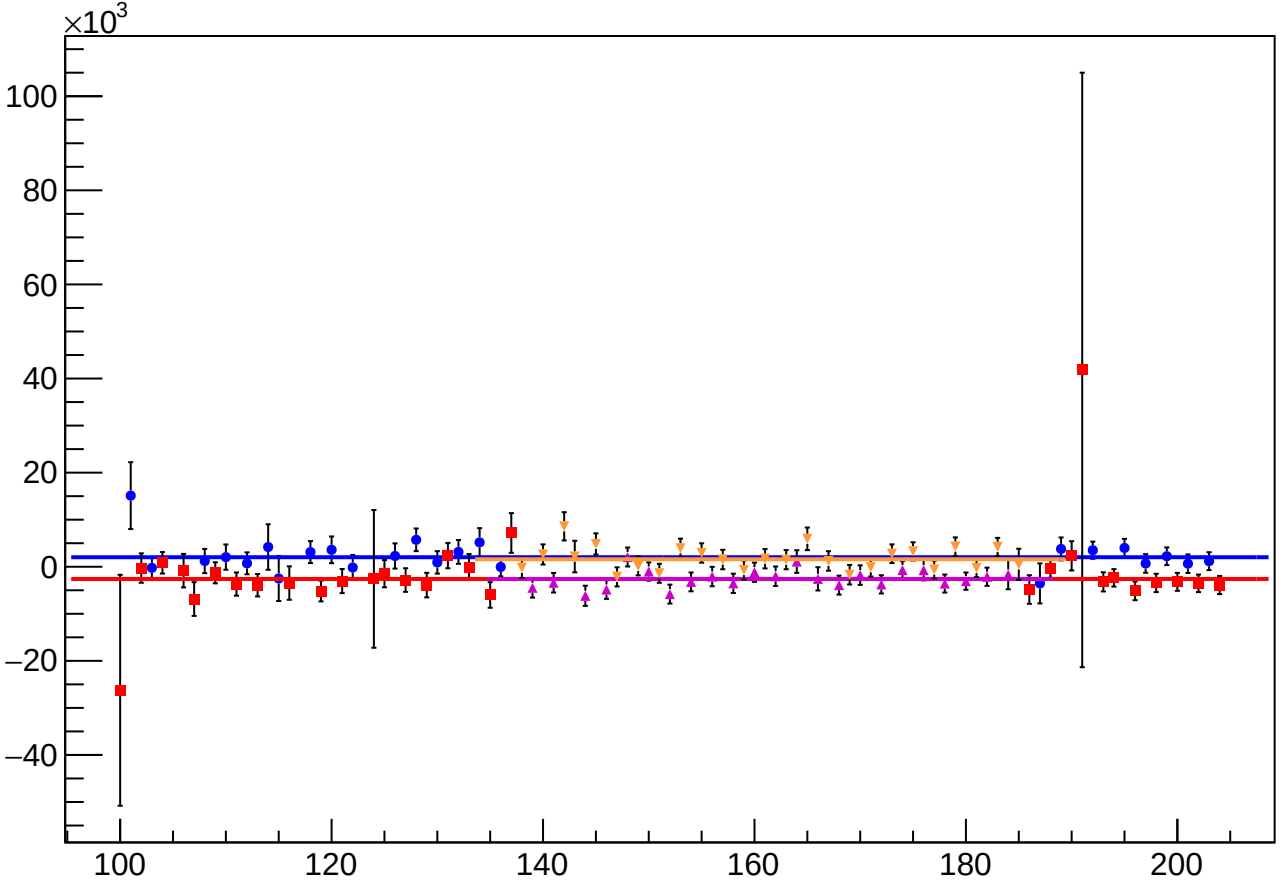
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2979.098+/-0.438 χ^2/NDF: 18258499.9/48

All: 2831.841+/-0.303 χ^2/NDF: 43771633.9/1

- sign 2697.178+/-0.419 χ^2/NDF: 25296662.8/52

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 2023.611+/-493.053 χ^2/NDF: 17.2/23

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2598.257+/-462.266 χ^2/NDF: 26.8/29

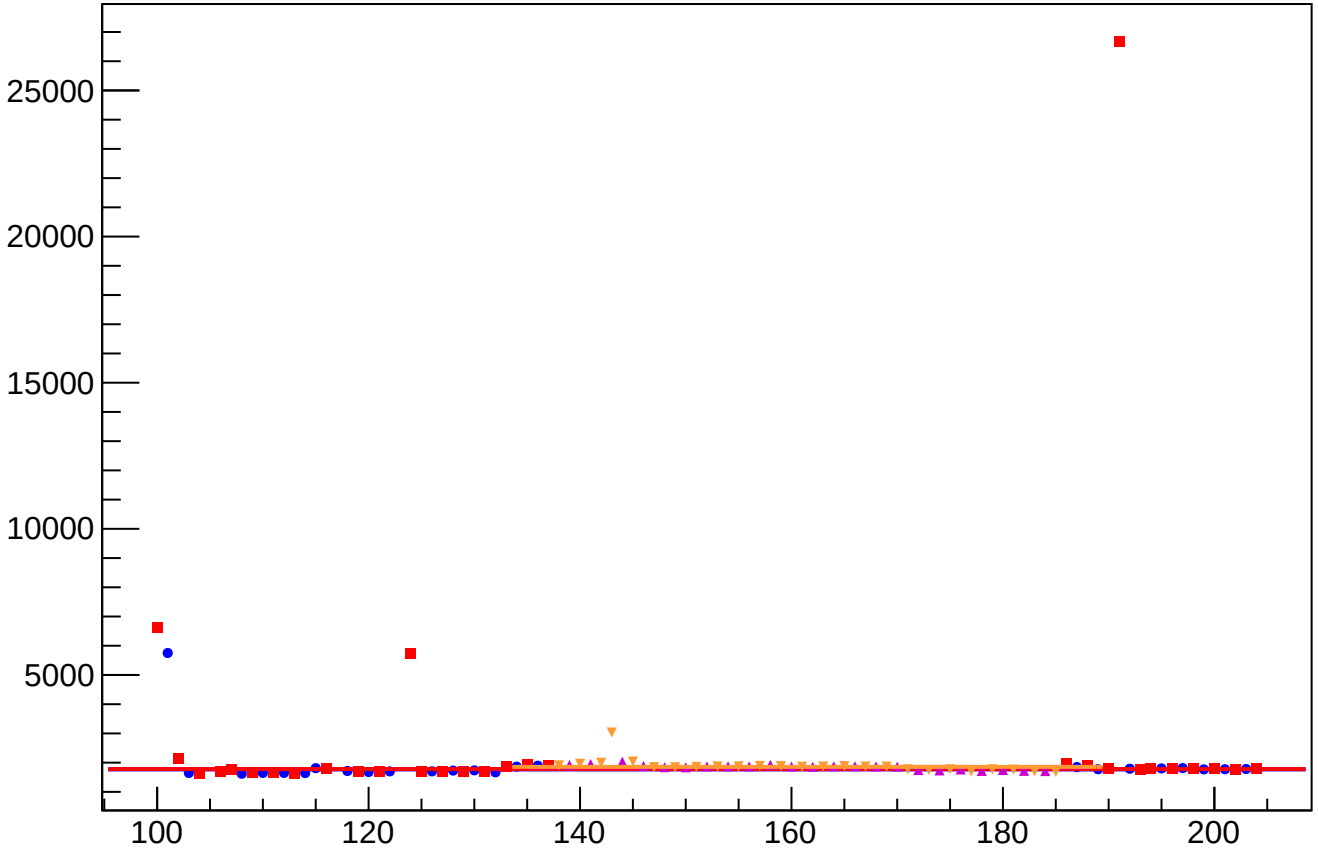
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1775.388+/-321.173 χ^2/NDF: 48.9/48

All: -454.020+/-224.875 χ^2/NDF: 190.3/101

- sign -2598.019+/-314.960 χ^2/NDF: 46.9/52

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1768.954+/-0.349 χ^2/NDF: 674839.2/23

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

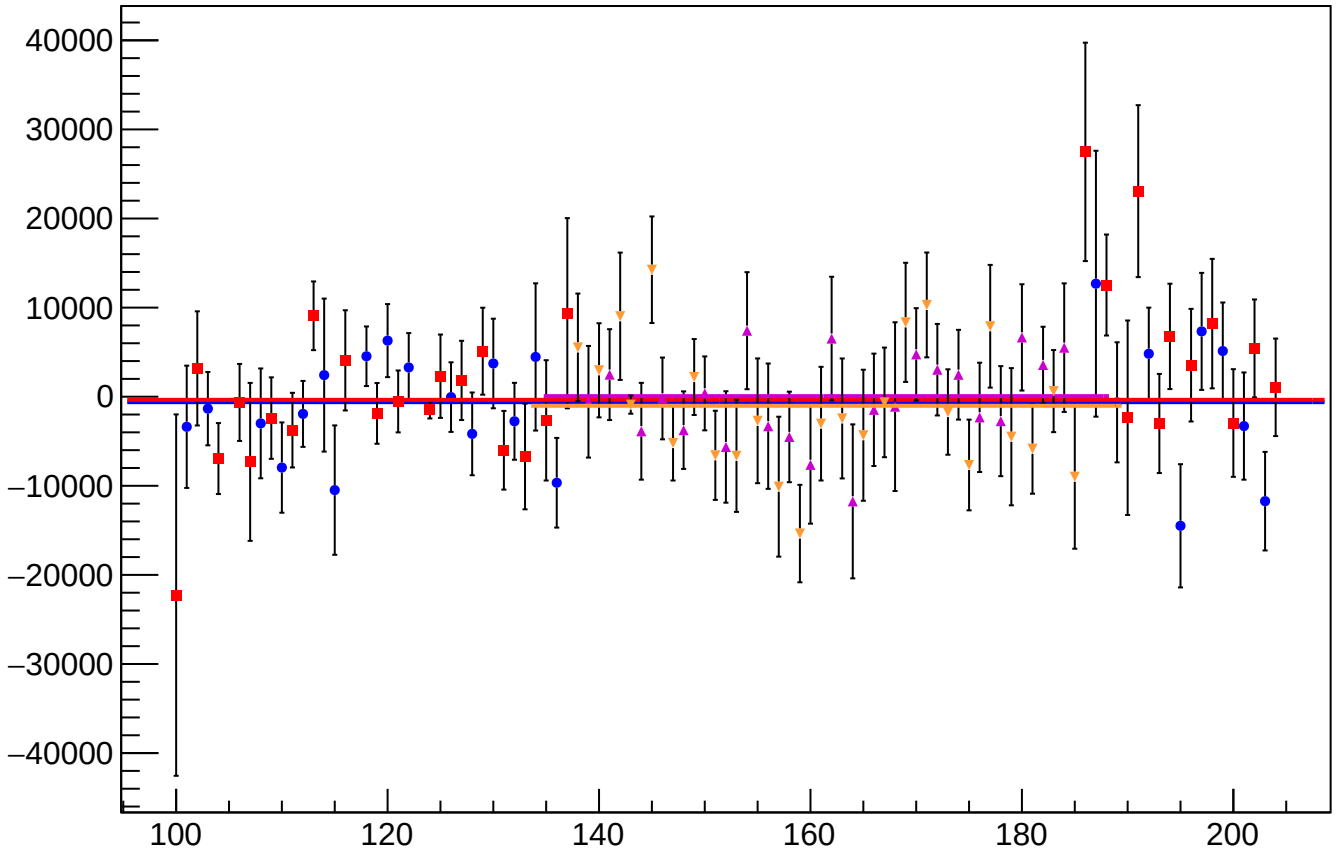
Right Out: 1778.901+/-0.326 χ^2/NDF: 630702.8/29

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1818.811+/-0.227 χ^2/NDF: 1034630.7/48

All: 1815.389+/-0.159 χ^2/NDF: 1756128.7/10

- sign 1812.104+/-0.223 χ^2/NDF: 721053.0/52



Right In: -613.151+/-1037.845 χ^2/NDF: 28.7/23

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -350.769+/-686.037 χ^2/NDF: 40.5/29

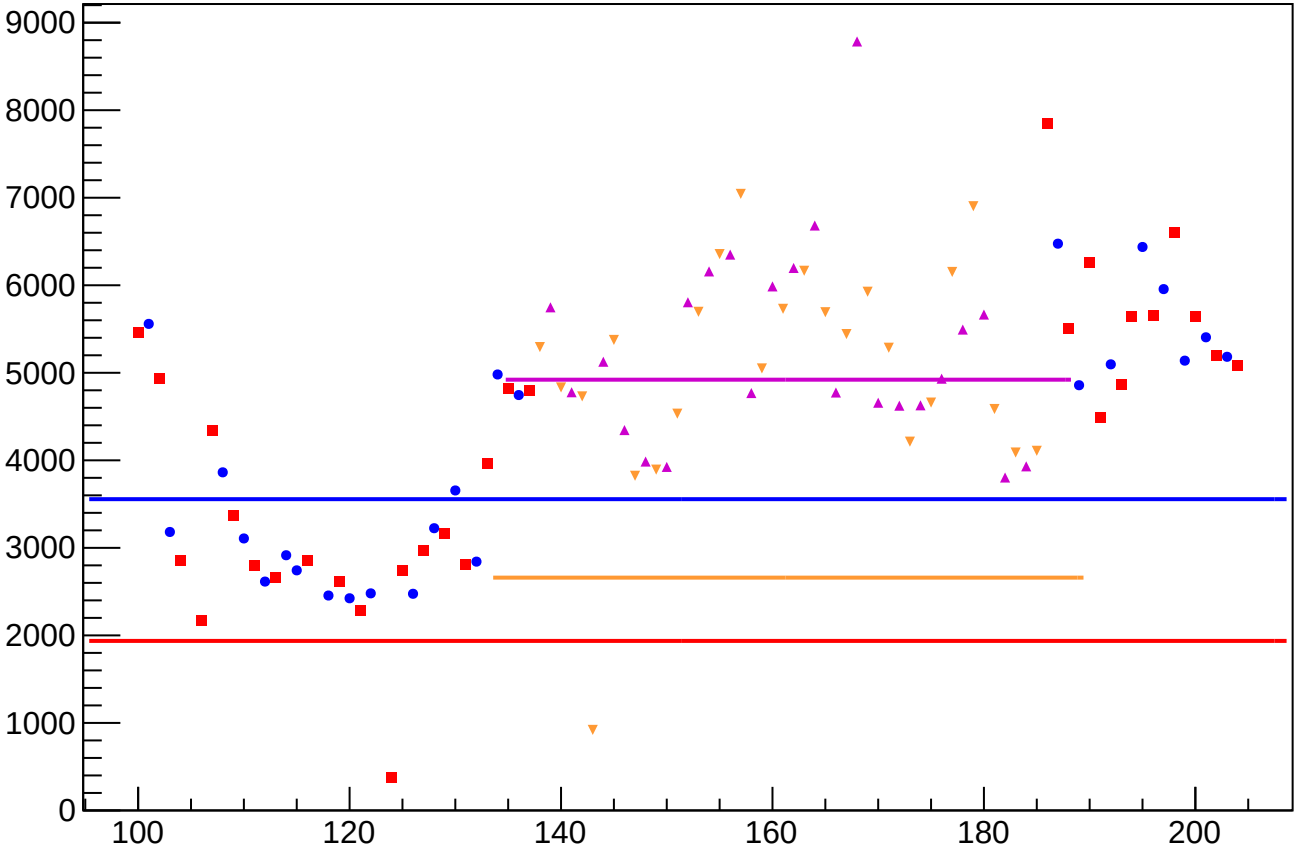
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -874.294+/-619.320 χ^2/NDF: 62.6/48

All: -545.878+/-428.033 χ^2/NDF: 116.7/101

- sign -245.549+/-592.246 χ^2/NDF: 53.6/52

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3556.272+/-0.734 χ^2/NDF: 2761053.2/23

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1936.951+/-0.485 χ^2/NDF: 14404355.1/29

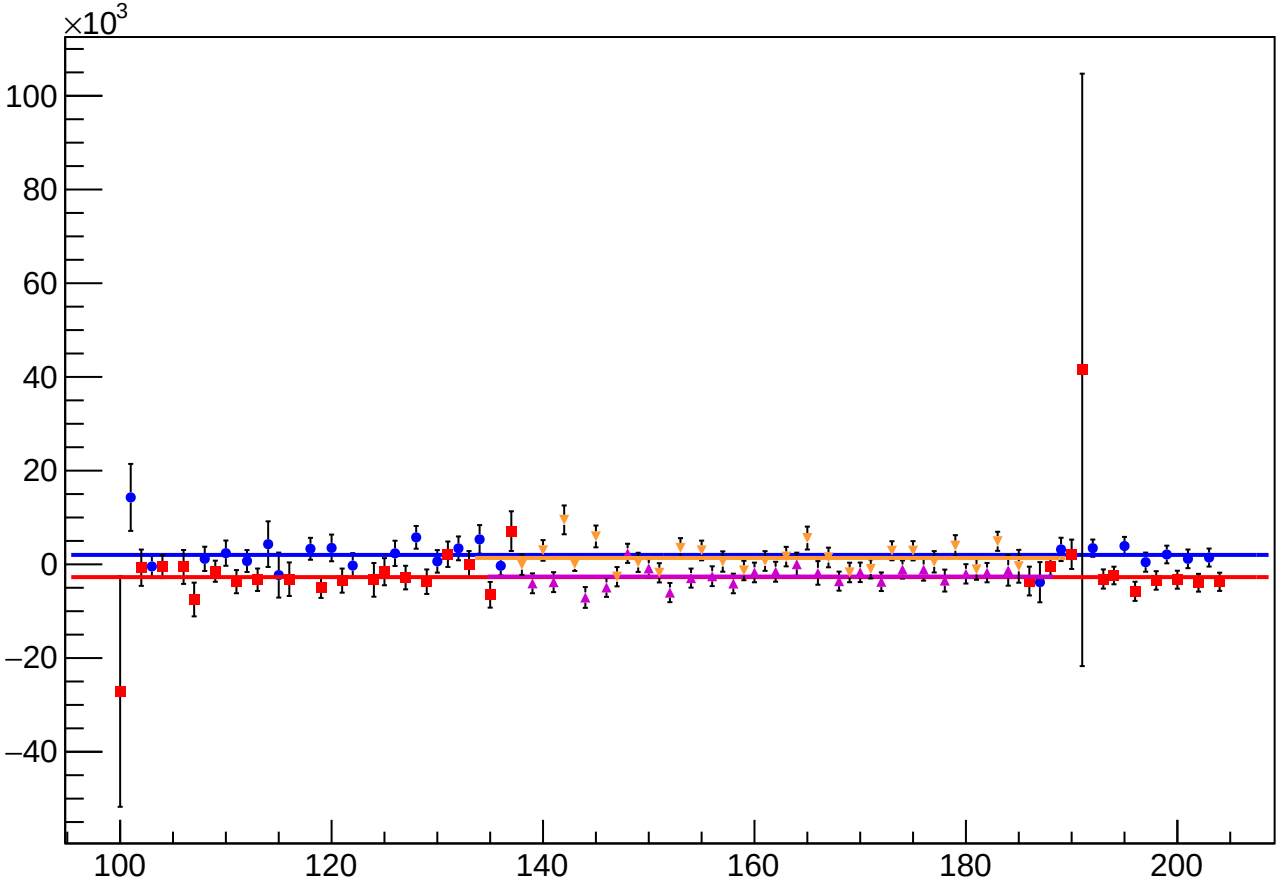
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2979.098+/-0.438 χ^2/NDF: 18258499.9/48

All: 2831.841+/-0.303 χ^2/NDF: 43771633.9/1

- sign 2697.178+/-0.419 χ^2/NDF: 25296662.8/52

dit_asym_atr1l2_avg_mean vs Slug



Right In: 2014.708+/-498.886 χ^2/NDF: 16.9/23

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2724.686+/-465.503 χ^2/NDF: 25.1/29

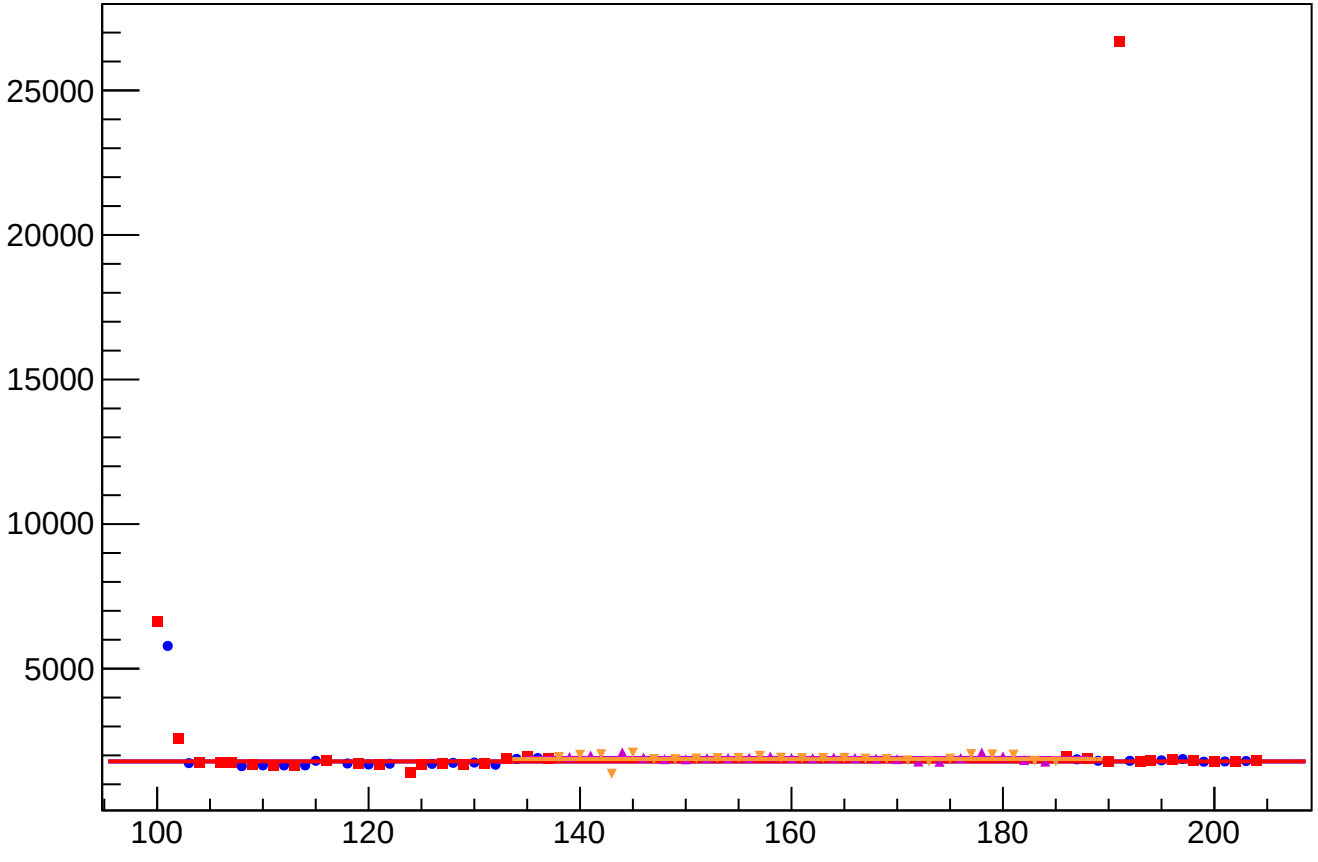
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1639.317+/-324.546 χ^2/NDF: 54.0/48

All: -525.754+/-228.699 χ^2/NDF: 187.6/101

- sign -2661.256+/-322.323 χ^2/NDF: 45.2/52

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1789.685+/-0.353 χ^2/NDF: 674803.6/23

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1792.123+/-0.329 χ^2/NDF: 555137.0/29

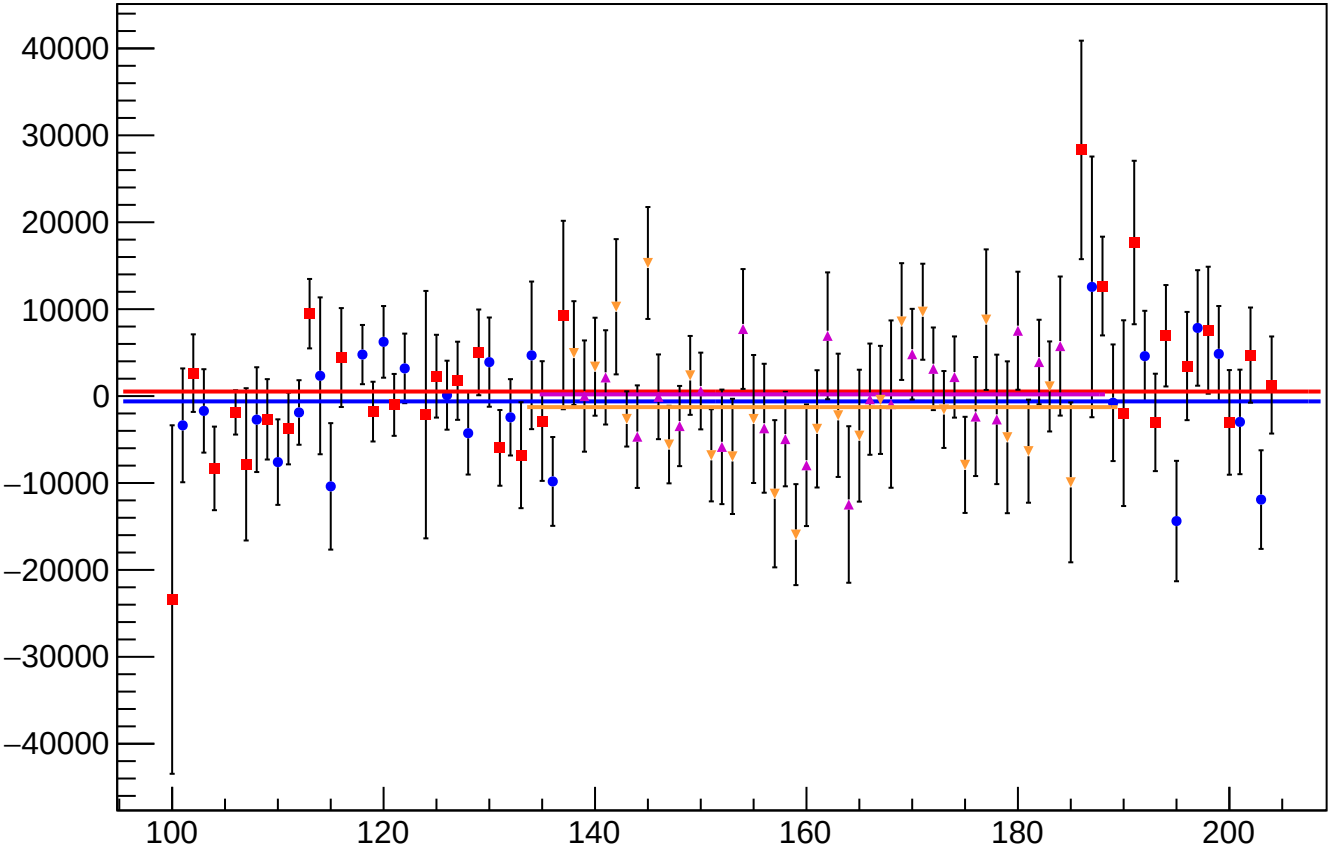
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1837.843+/-0.229 χ^2/NDF: 1016847.8/48

All: 1846.056+/-0.162 χ^2/NDF: 1702143.5/10

- sign 1854.146+/-0.228 χ^2/NDF: 682753.2/52

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -610.559+/-1057.169 χ^2/NDF: 28.2/23

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 524.197+/-940.533 χ^2/NDF: 36.7/29

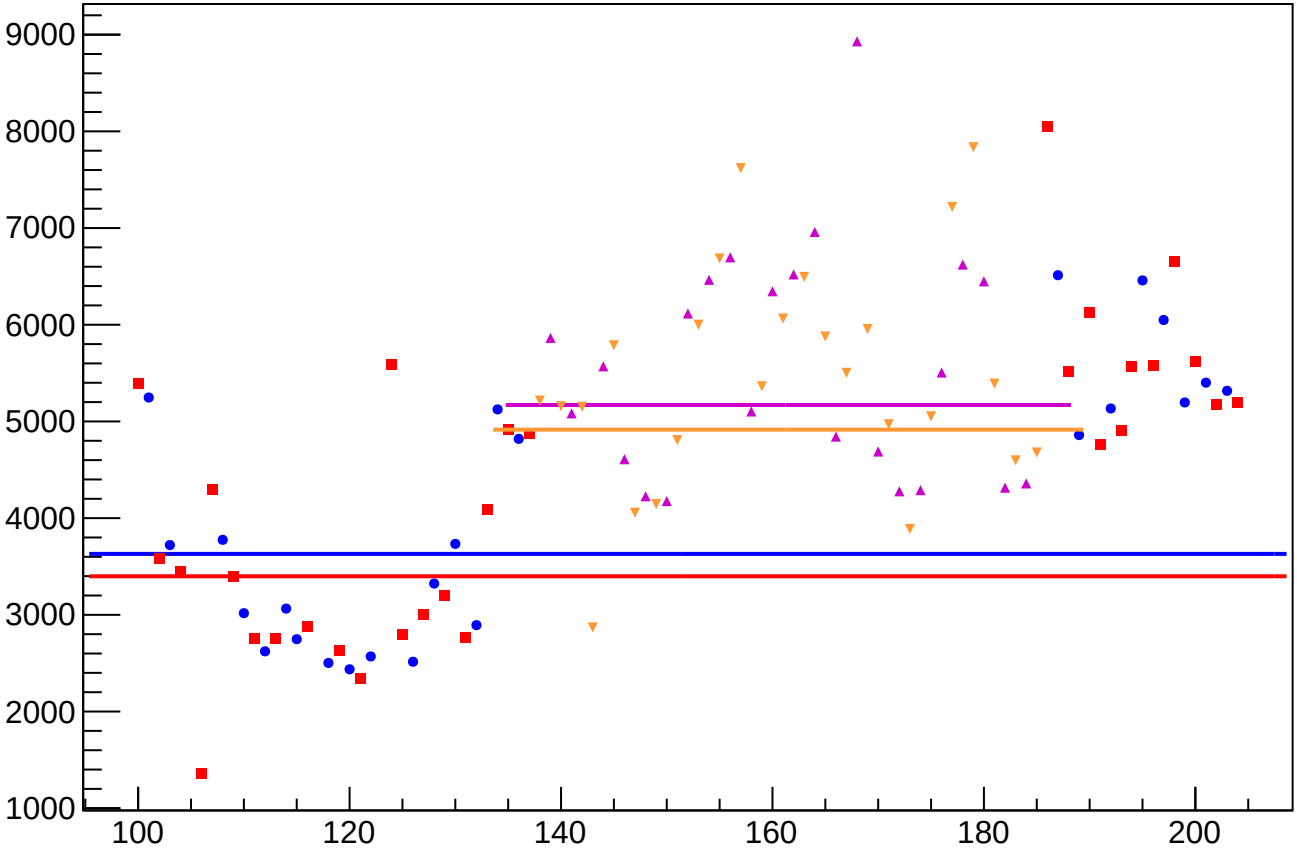
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -910.743+/-780.176 χ^2/NDF: 61.8/48

All: -225.832+/-539.989 χ^2/NDF: 112.8/101

- sign 404.002+/-748.149 χ^2/NDF: 49.5/52

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3630.264+/-0.748 χ^2/NDF: 2677431.2/23

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3398.862+/-0.665 χ^2/NDF: 4495865.1/29

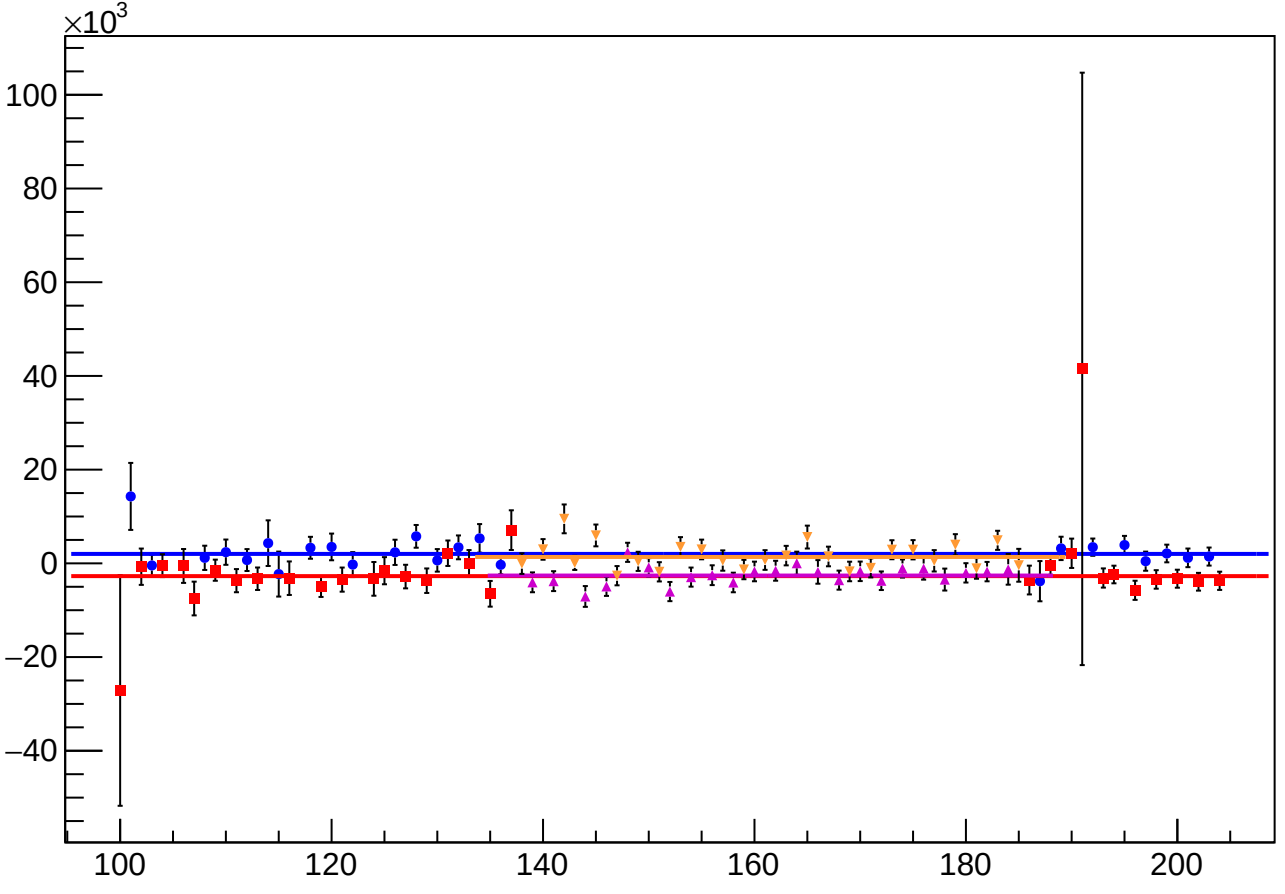
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4215.414+/-0.552 χ^2/NDF: 6189224.5/48

All: 4128.894+/-0.382 χ^2/NDF: 14685779.2/1

- sign 4049.331+/-0.529 χ^2/NDF: 8449339.1/52

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 2014.705+/-498.886 χ^2/NDF: 16.9/23

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2724.686+/-465.503 χ^2/NDF: 25.1/29

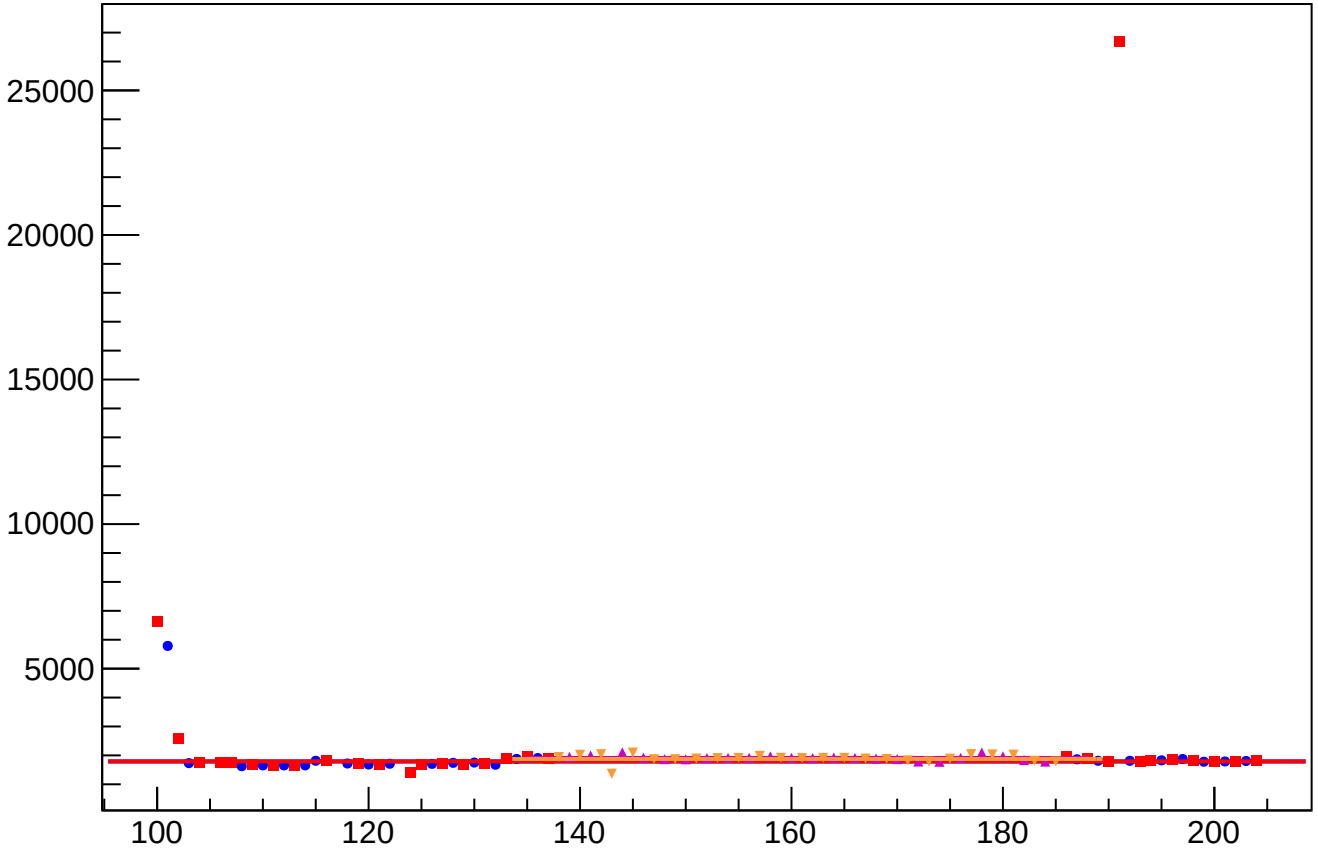
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1639.314+/-324.547 χ^2/NDF: 54.0/48

All: -525.755+/-228.699 χ^2/NDF: 187.6/101

- sign -2661.255+/-322.323 χ^2/NDF: 45.2/52

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1789.685+/-0.353 χ^2/NDF: 674803.7/23

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1792.123+/-0.329 χ^2/NDF: 555137.0/29

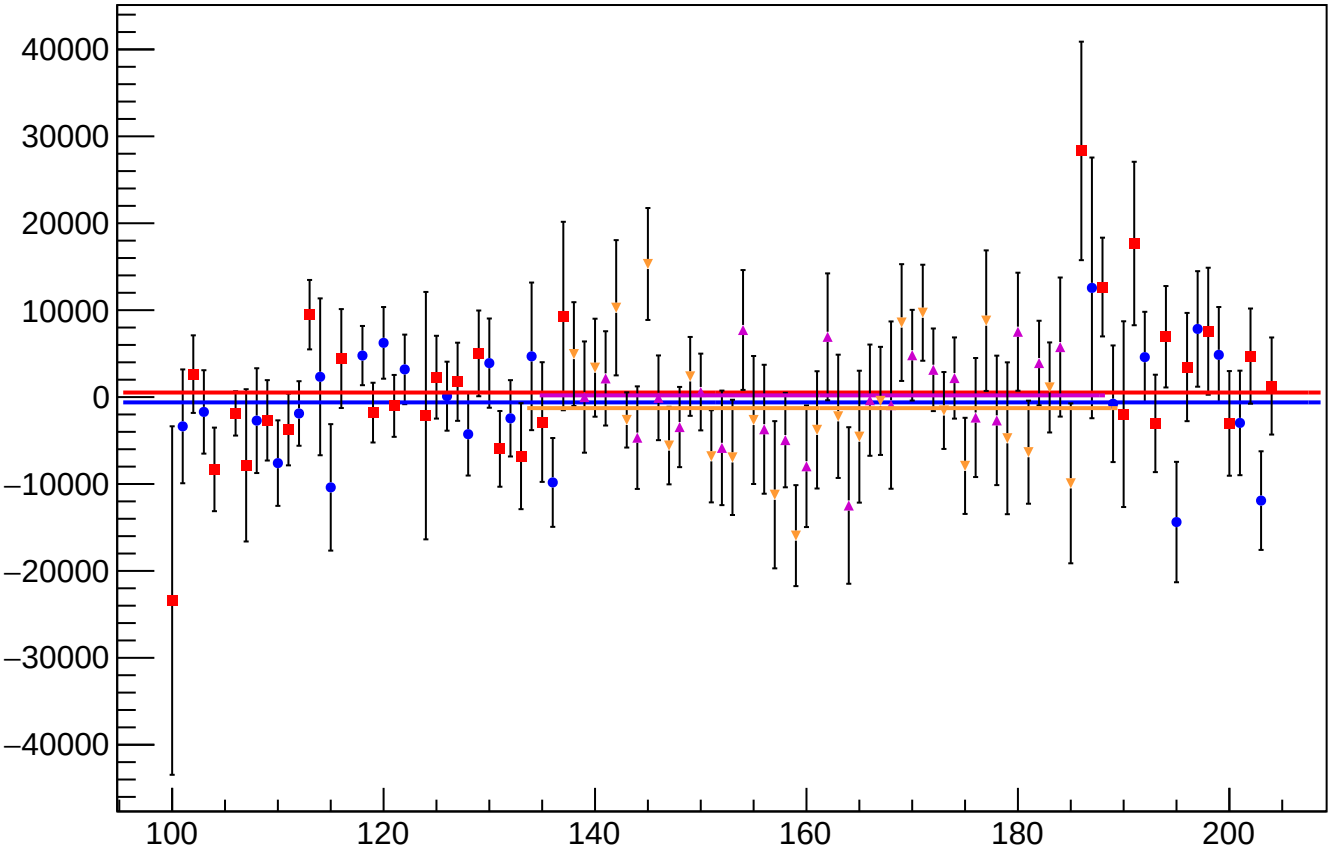
Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1837.844+/-0.229 χ^2/NDF: 1016852.1/48

All: 1846.057+/-0.162 χ^2/NDF: 1702151.2/10

- sign 1854.147+/-0.228 χ^2/NDF: 682756.7/52

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -610.552+/-1057.167 χ^2/NDF: 28.2/23

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 524.189+/-940.530 χ^2/NDF: 36.7/29

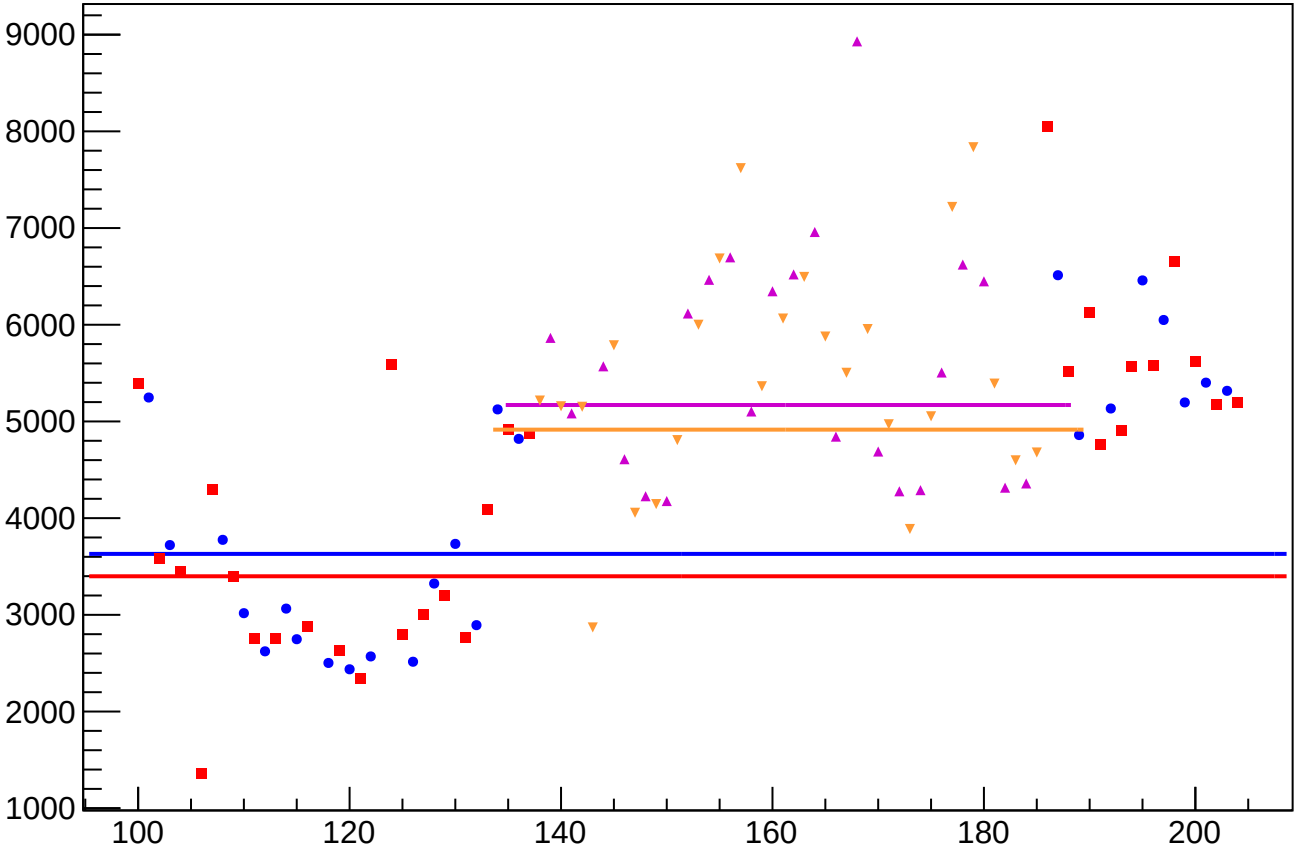
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

\+ sign -910.741+/-780.176 χ^2/NDF: 61.8/48

All: -225.832+/-539.988 χ^2/NDF: 112.8/101

\- sign 403.998+/-748.149 χ^2/NDF: 49.5/52

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3630.253+/-0.748 χ^2/NDF: 2677468.0/23

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3398.849+/-0.665 χ^2/NDF: 4495926.4/29

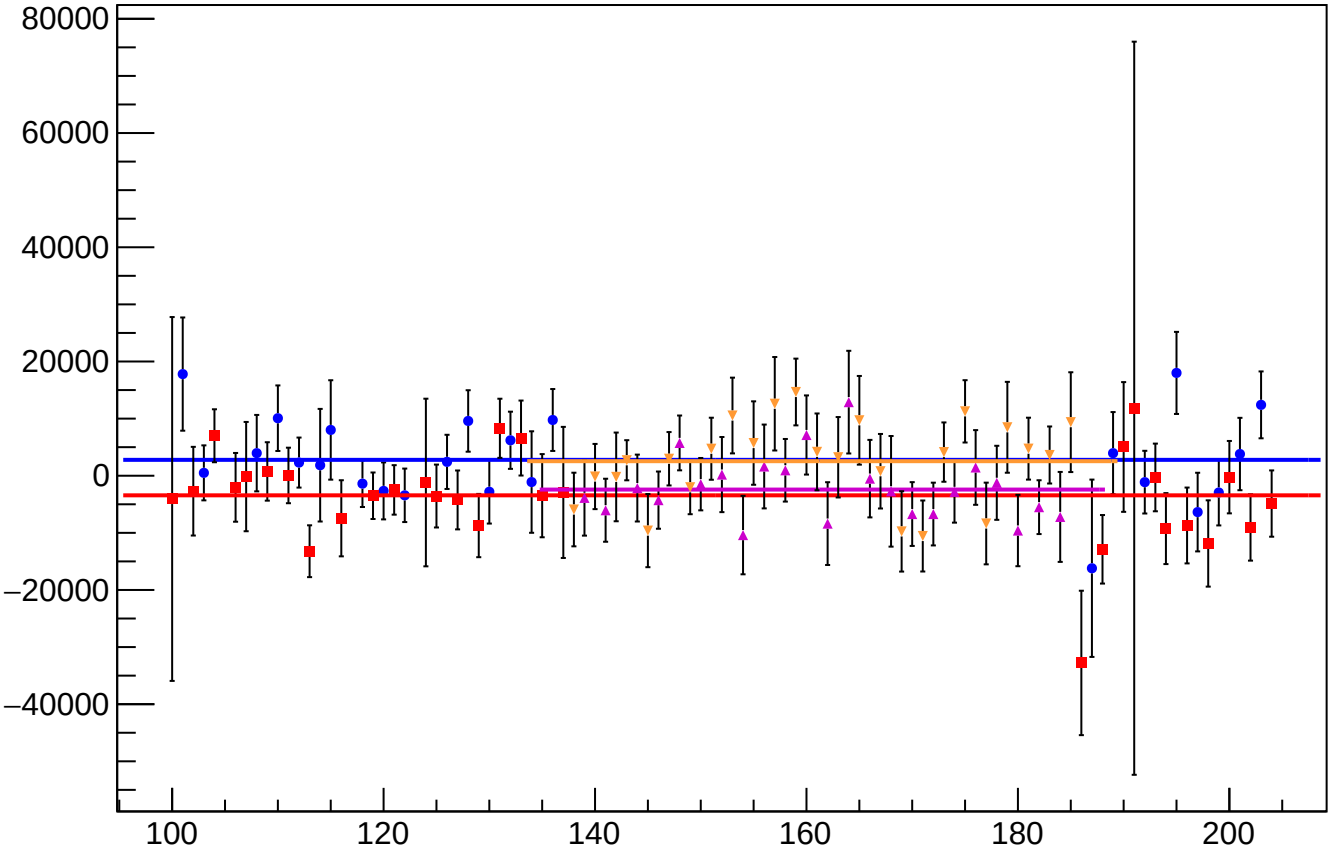
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4215.409+/-0.552 χ^2/NDF: 6189305.2/48

All: 4128.887+/-0.382 χ^2/NDF: 14685986.7/1

- sign 4049.322+/-0.529 χ^2/NDF: 8449463.7/52

asym_atr1l2_avg_mean vs Slug



Right In: 2780.601+/-1189.683 χ^2/NDF: 25.5/23

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -3431.467+/-1129.634 χ^2/NDF: 32.7/29

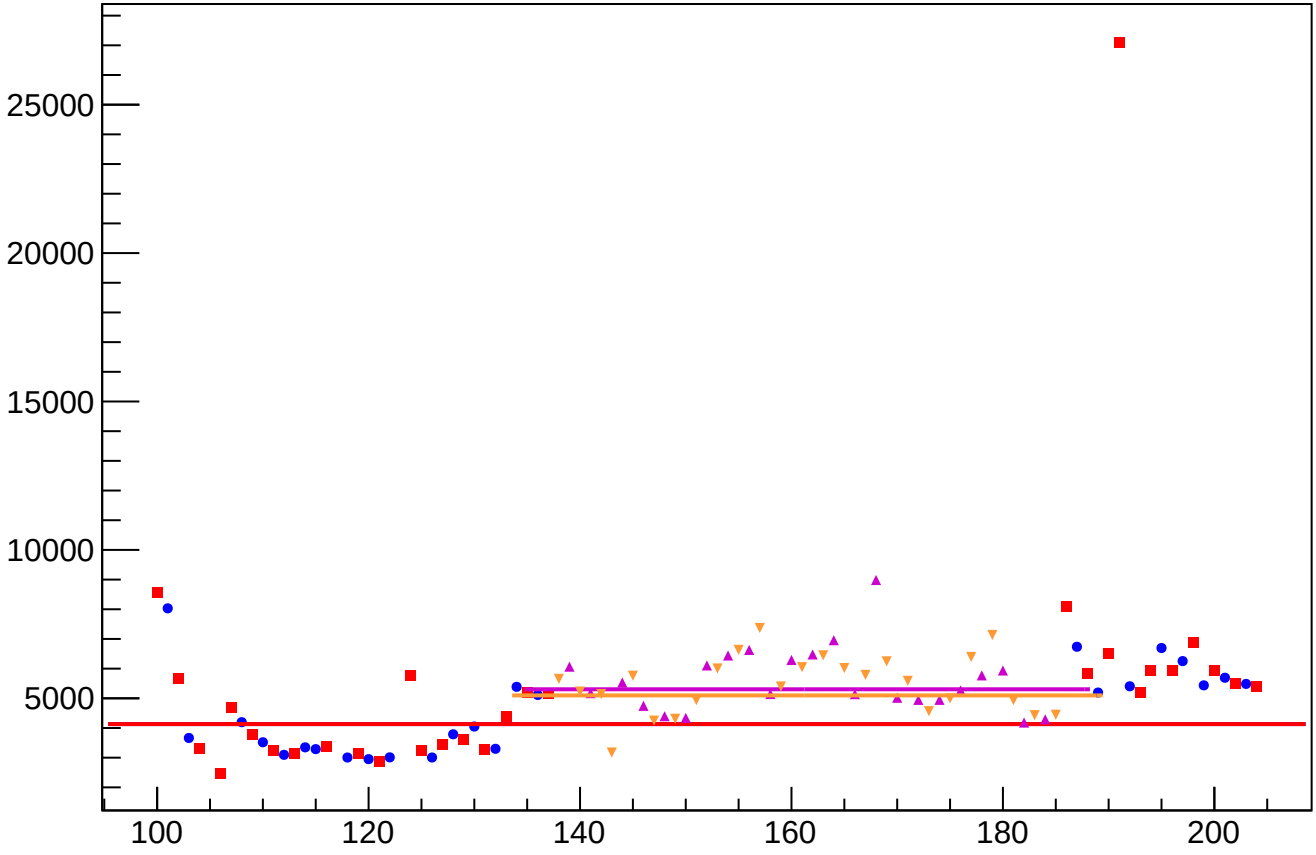
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2663.638+/-840.520 χ^2/NDF: 54.6/48

All: -157.565+/-594.505 χ^2/NDF: 125.2/101

- sign -2981.957+/-840.995 χ^2/NDF: 48.1/52

asym_atr1l2_avg_rms vs Slug



Right In: 4132.292+/-0.841 χ^2/NDF: 2138167.1/23

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

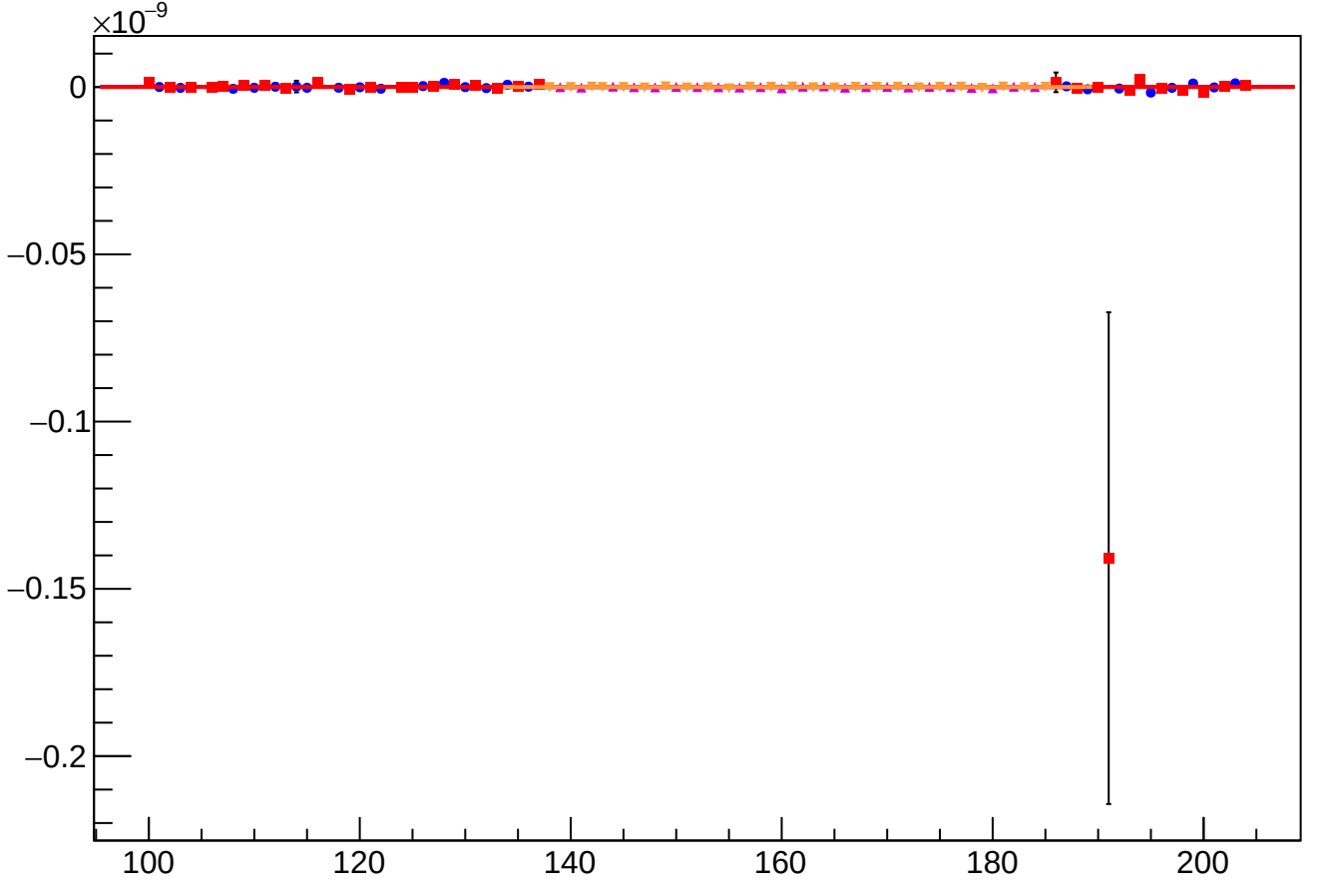
Right Out: 4131.928+/-0.790 χ^2/NDF: 2894433.5/29

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4615.962+/-0.594 χ^2/NDF: 4342578.4/48

All: 4632.101+/-0.419 χ^2/NDF: 9225895.0/10

- sign 4648.062+/-0.591 χ^2/NDF: 4881850.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

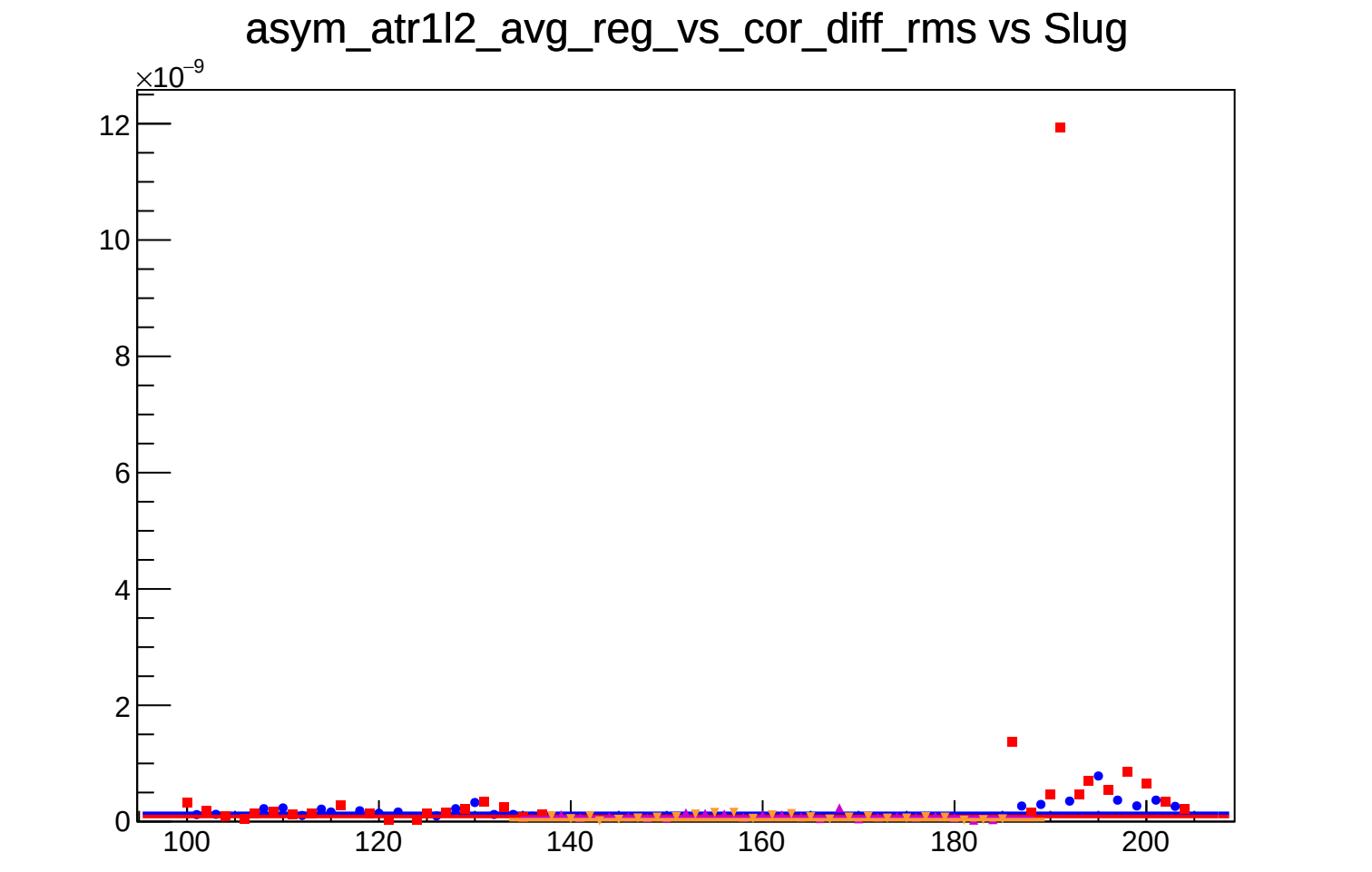
Right Out: 0.000+/-0.000 χ^2/NDF: 39.3/29

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/48

All: 0.000+/-0.000 χ^2/NDF: 106.6/101

- sign 0.000+/-0.000 χ^2/NDF: 62.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 2339024.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6630740.6/29

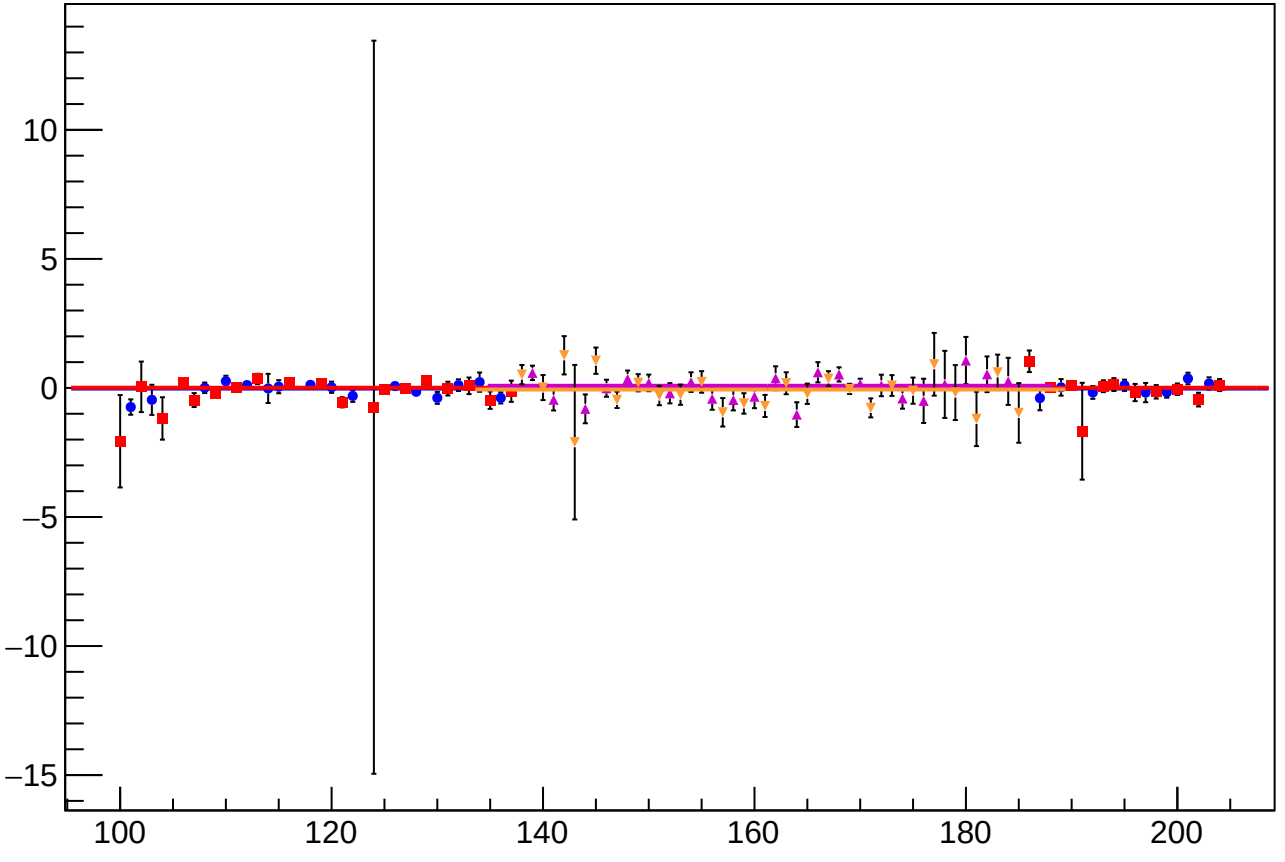
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13044013.0/48

All: 0.000+/-0.000 χ^2/NDF: 24876072.1/101

- sign 0.000+/-0.000 χ^2/NDF: 9330147.5/52

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.023+/-0.048 χ^2/NDF: 23.7/23

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.008+/-0.041 χ^2/NDF: 40.0/29

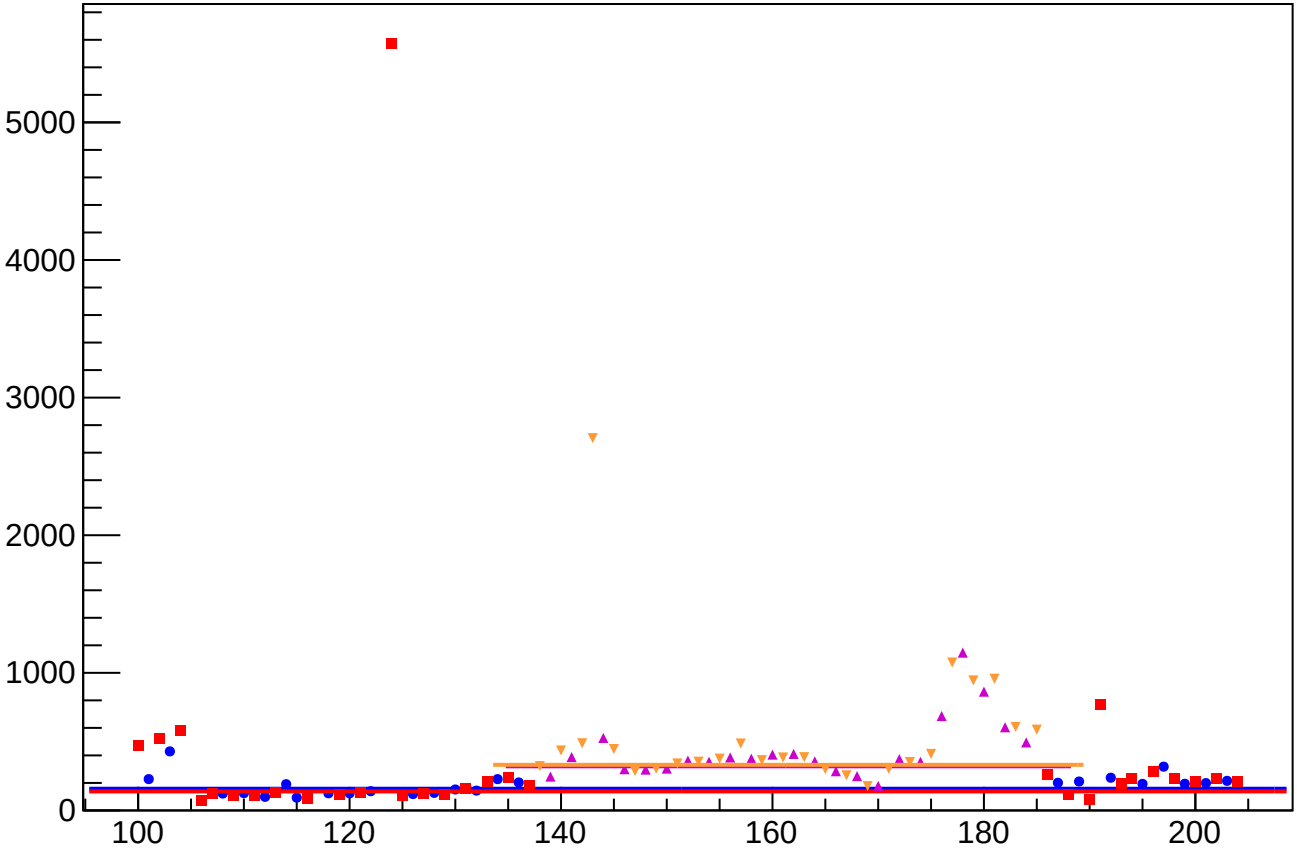
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.032+/-0.041 χ^2/NDF: 54.6/48

All: -0.001+/-0.027 χ^2/NDF: 123.3/101

- sign 0.023+/-0.036 χ^2/NDF: 67.8/52

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 157.800+/-0.034 χ^2/NDF: 2476336.6/23

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 138.241+/-0.029 χ^2/NDF: 4801165.5/29

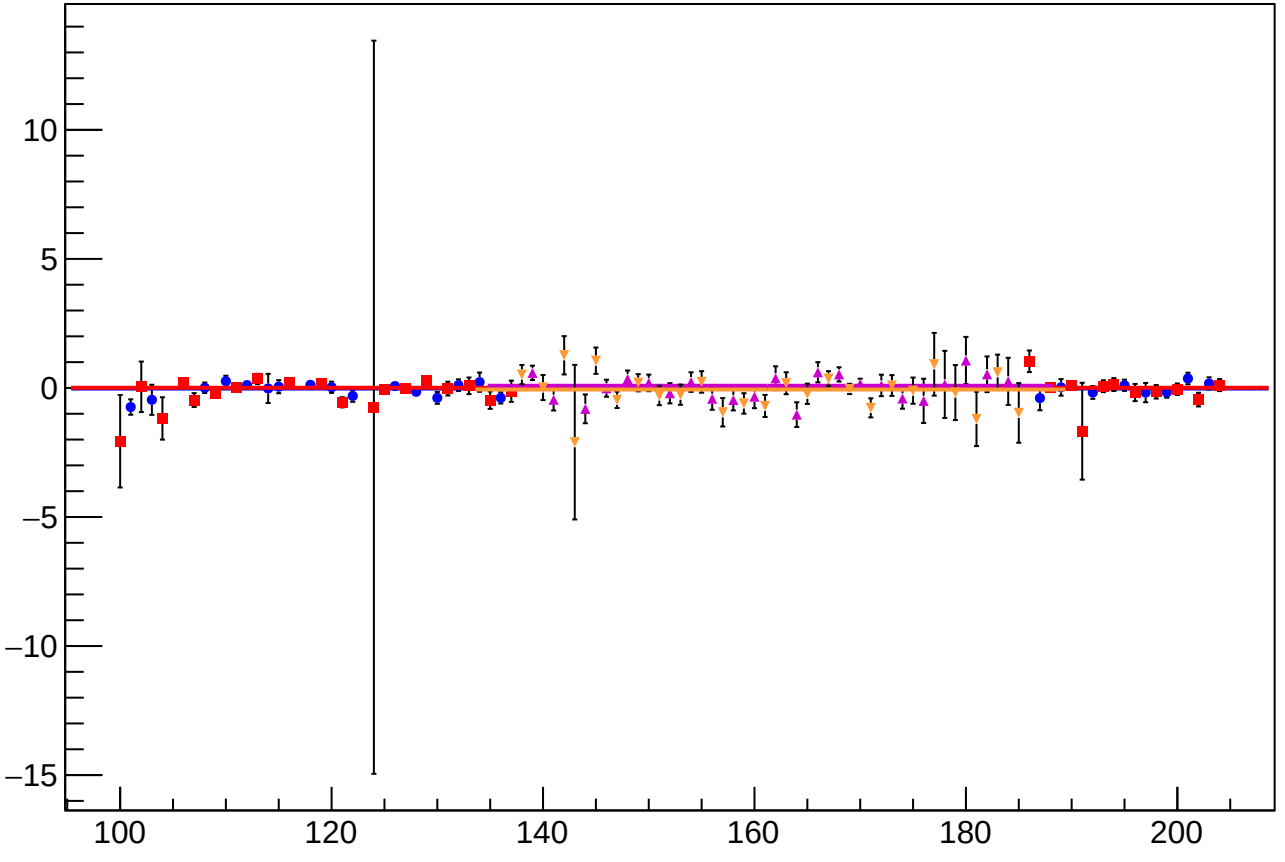
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 200.388+/-0.029 χ^2/NDF: 14830441.6/48

All: 186.178+/-0.019 χ^2/NDF: 32368555.4/10

- sign 175.150+/-0.026 χ^2/NDF: 17120128.5/52

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.023+/-0.048 χ^2/NDF: 23.7/23

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.008+/-0.041 χ^2/NDF: 40.0/29

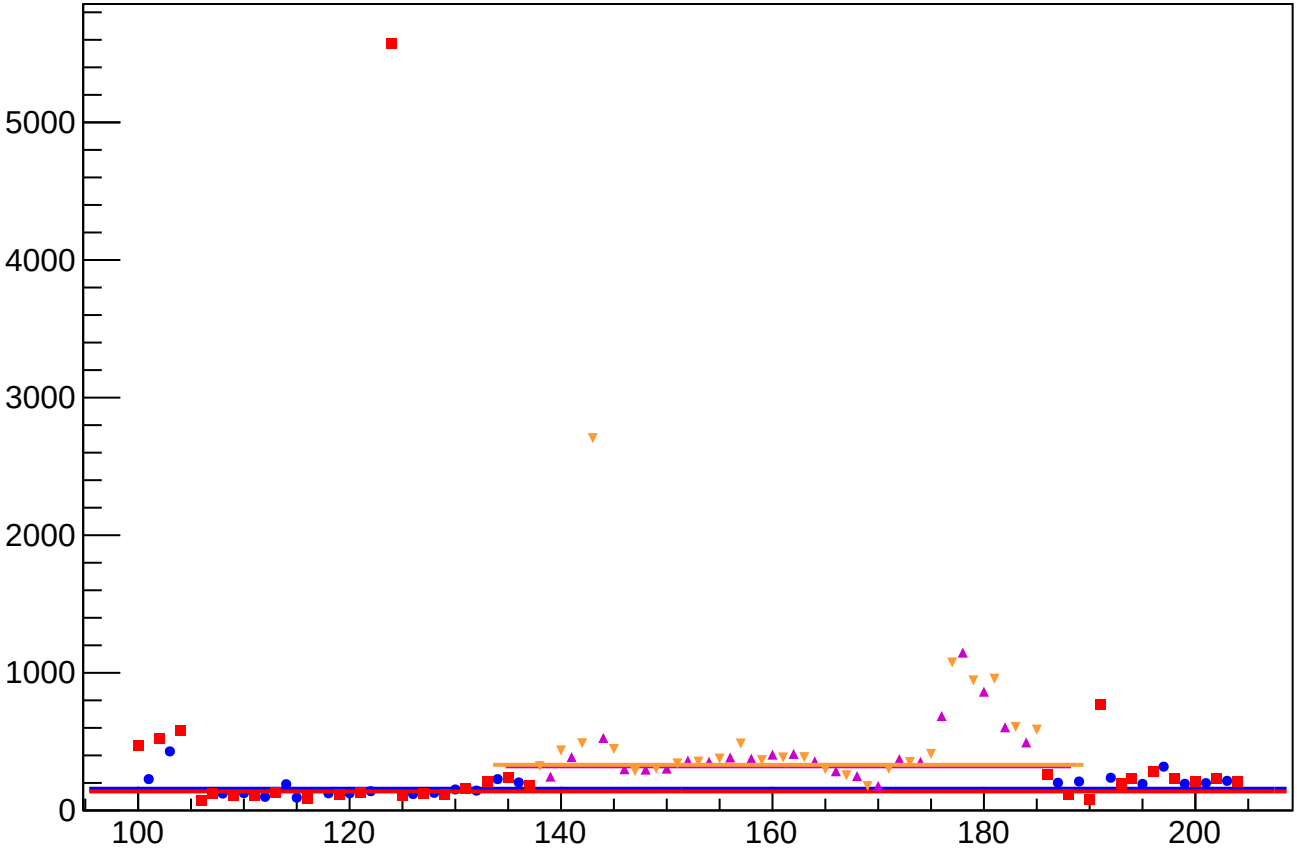
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.032+/-0.041 χ^2/NDF: 54.6/48

All: -0.001+/-0.027 χ^2/NDF: 123.3/101

- sign 0.023+/-0.036 χ^2/NDF: 67.8/52

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 157.800+/-0.034 χ^2/NDF: 2476336.6/23

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

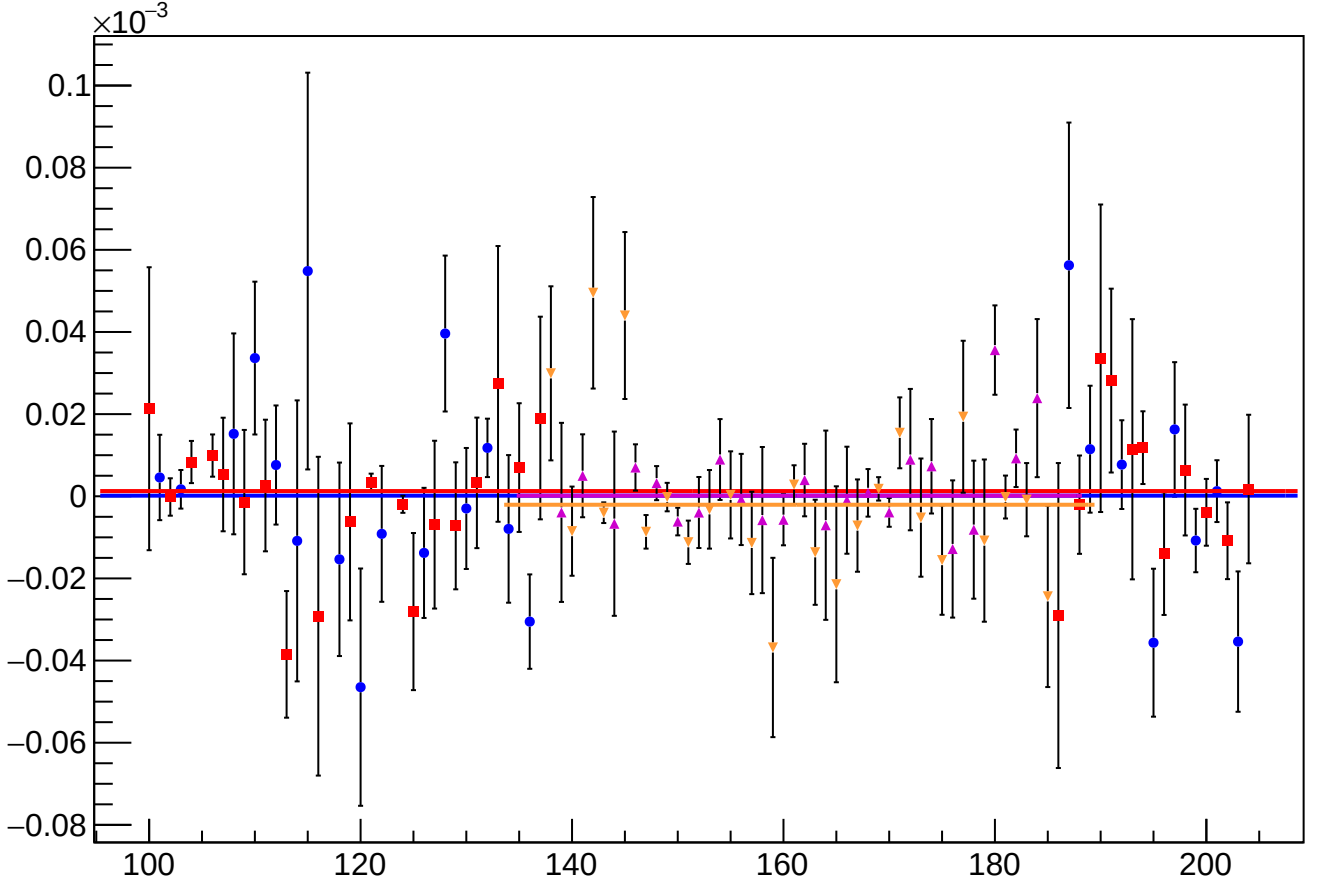
Right Out: 138.241+/-0.029 χ^2/NDF: 4801165.5/29

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 200.388+/-0.029 χ^2/NDF: 14830441.6/48

All: 186.178+/-0.019 χ^2/NDF: 32368555.4/10

- sign 175.150+/-0.026 χ^2/NDF: 17120128.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 39.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

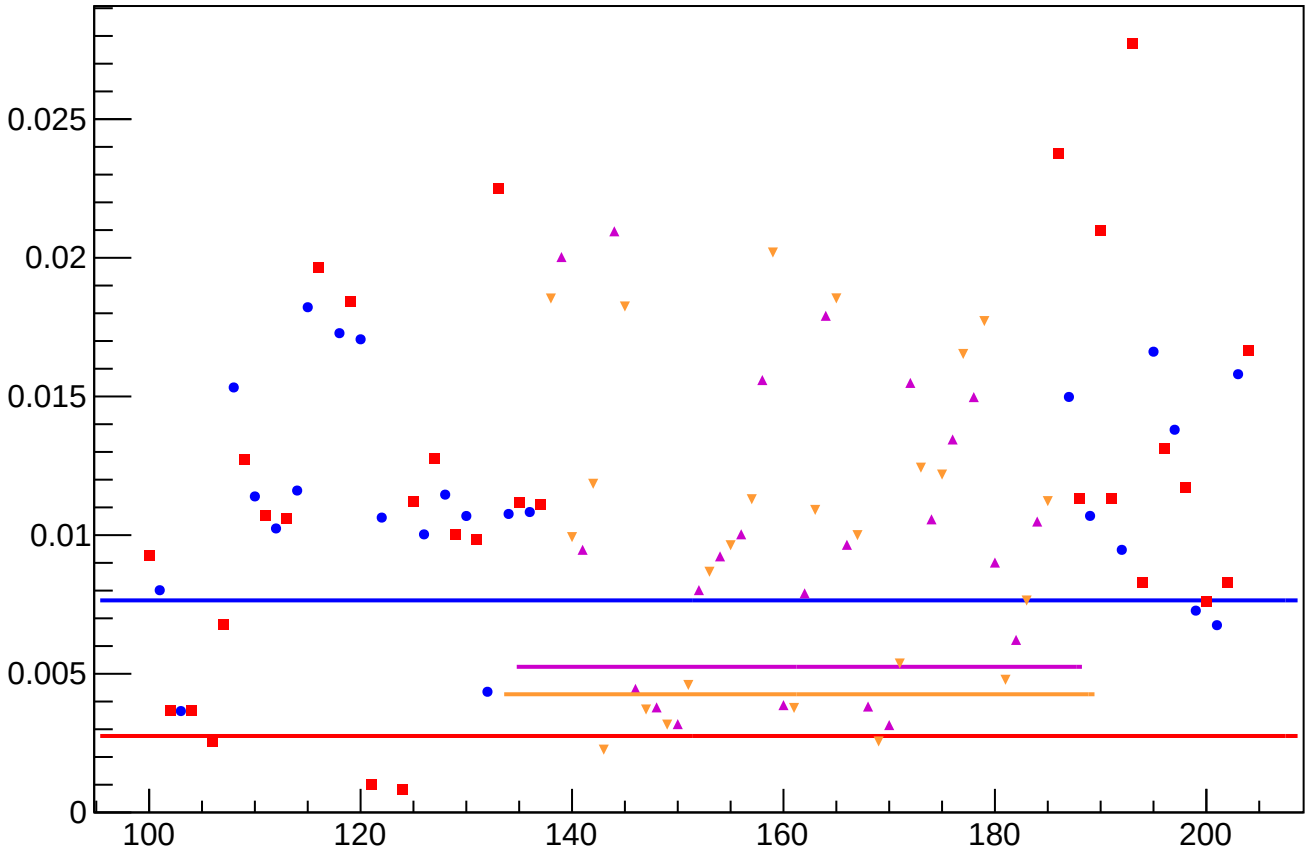
Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/29

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.4/48

All: -0.000+/-0.000 χ^2/NDF: 130.4/101

- sign 0.000+/-0.000 χ^2/NDF: 53.2/52



Right In: 0.008+/-0.000 χ^2/NDF: 4866681.1/23

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

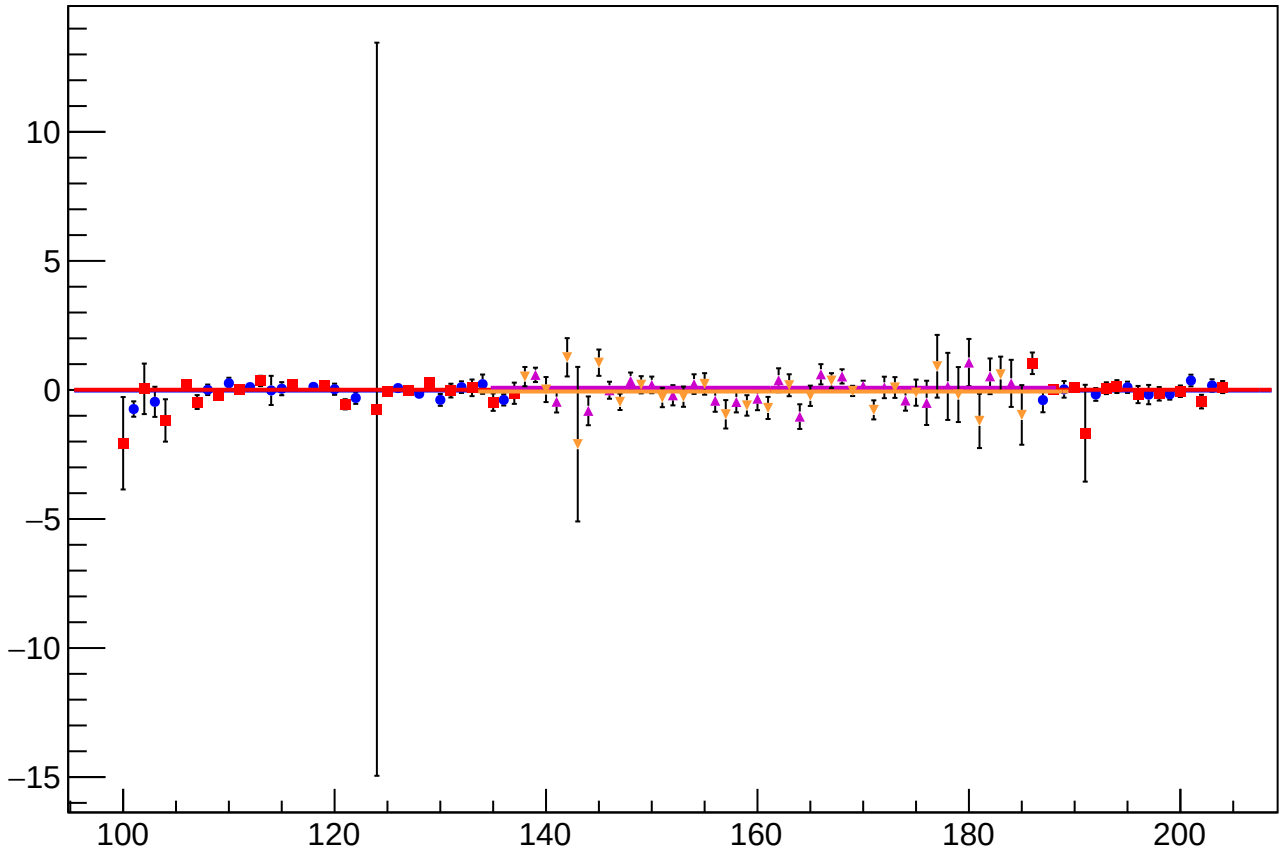
Right Out: 0.003+/-0.000 χ^2/NDF: 18322357.5/29

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 20944958.3/48

All: 0.004+/-0.000 χ^2/NDF: 53625496.1/101

- sign 0.004+/-0.000 χ^2/NDF: 31178111.3/52



Right In: -0.023+/-0.048 χ^2/NDF: 23.7/23

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.008+/-0.041 χ^2/NDF: 40.0/29

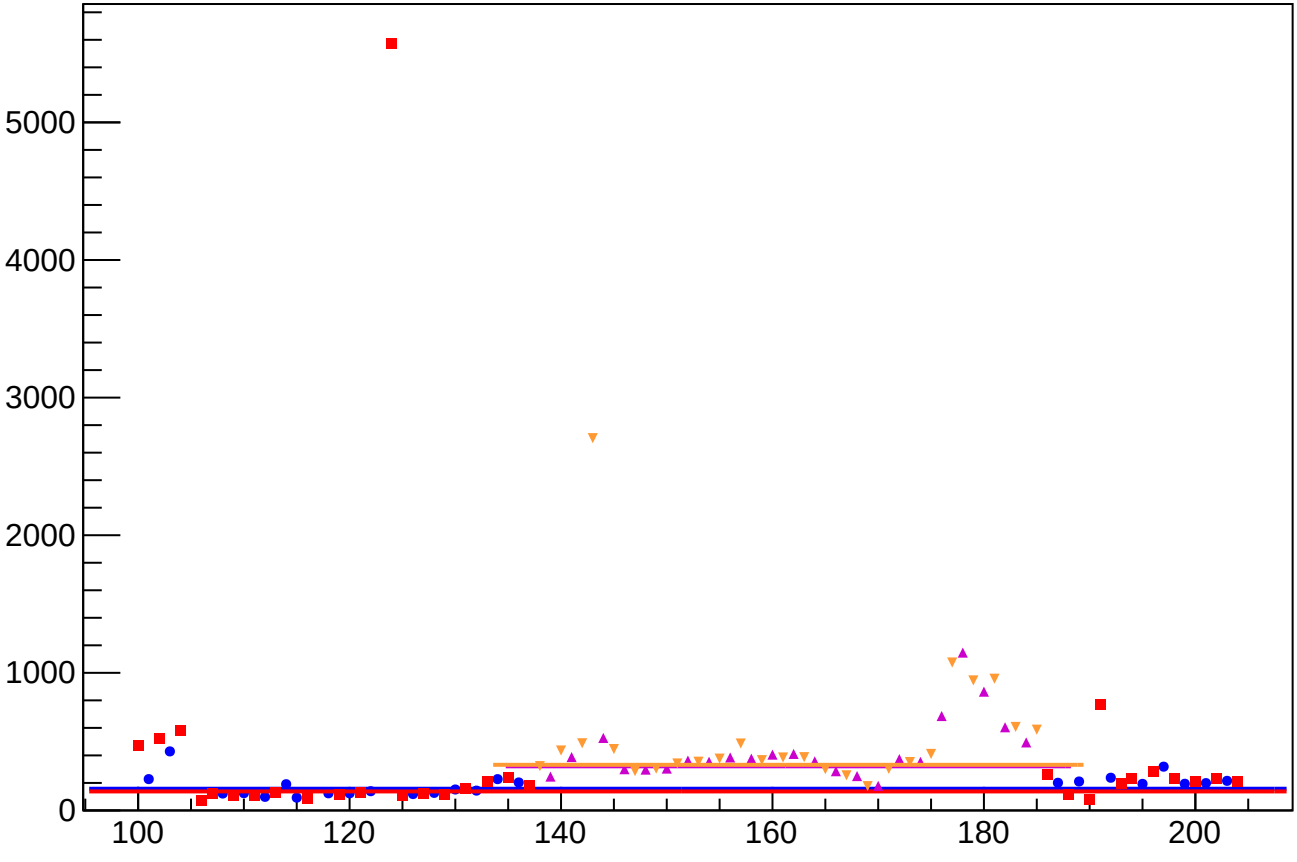
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.032+/-0.041 χ^2/NDF: 54.6/48

All: -0.001+/-0.027 χ^2/NDF: 123.3/101

- sign 0.023+/-0.036 χ^2/NDF: 67.8/52

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 157.801+/-0.034 χ^2/NDF: 2476268.8/23

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

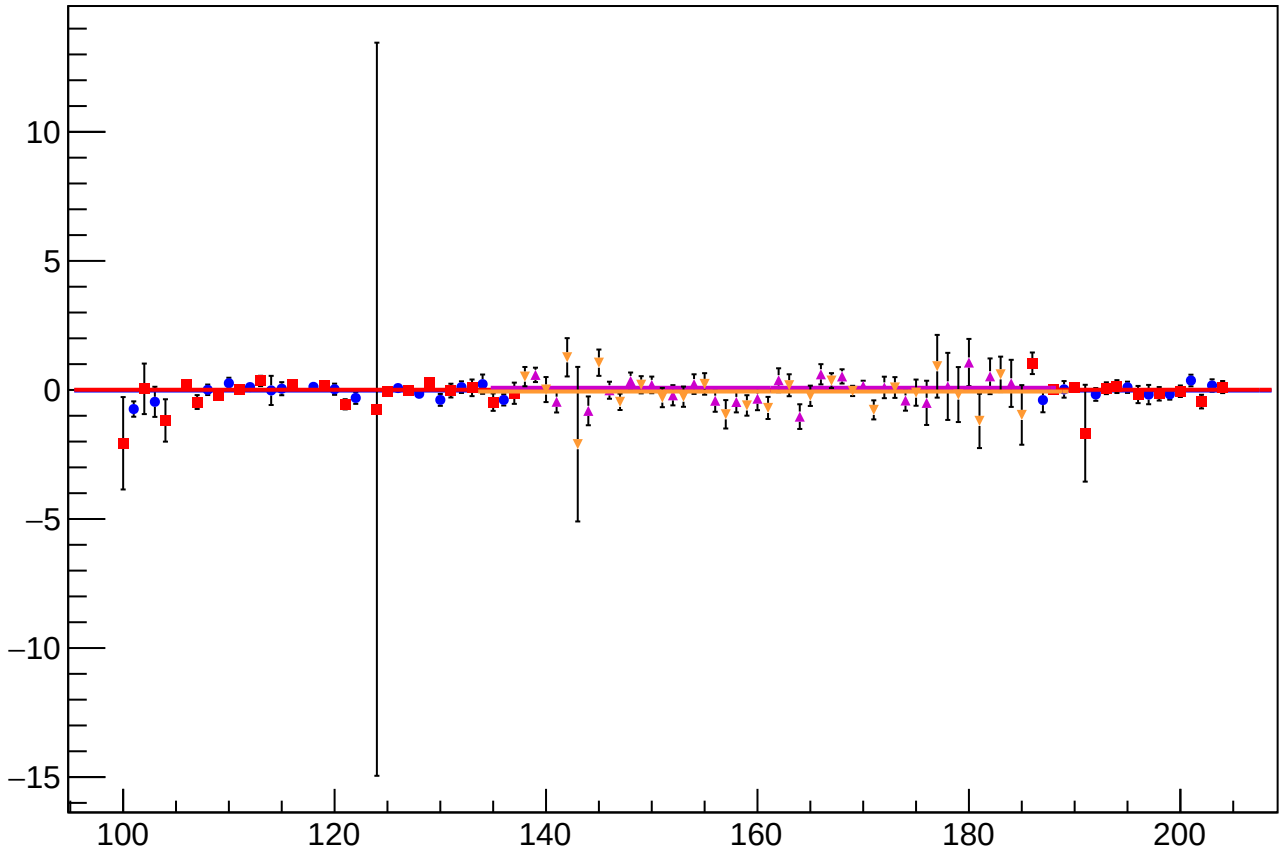
Right Out: 138.240+/-0.029 χ^2/NDF: 4801186.6/29

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 200.389+/-0.029 χ^2/NDF: 14830420.8/48

All: 186.179+/-0.019 χ^2/NDF: 32368765.7/10

- sign 175.150+/-0.026 χ^2/NDF: 17120316.8/52



Right In: -0.023+/-0.048 χ^2/NDF: 23.7/23

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

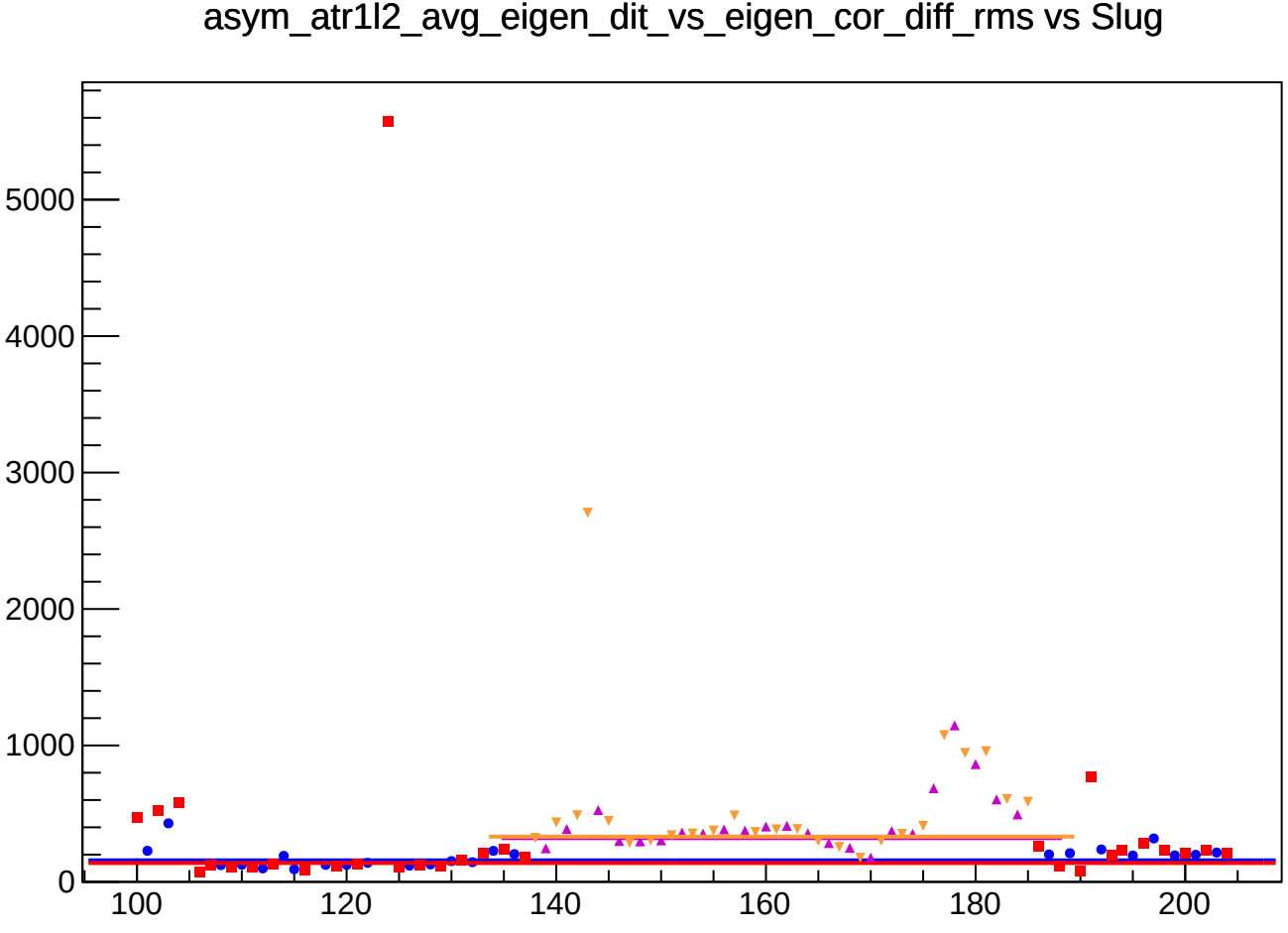
Right Out: 0.008+/-0.041 χ^2/NDF: 40.0/29

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.032+/-0.041 χ^2/NDF: 54.6/48

All: -0.001+/-0.027 χ^2/NDF: 123.3/101

\- sign 0.023+/-0.036 χ^2/NDF: 67.8/52



Right In: 157.801+/-0.034 χ^2/NDF: 2476268.8/23

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

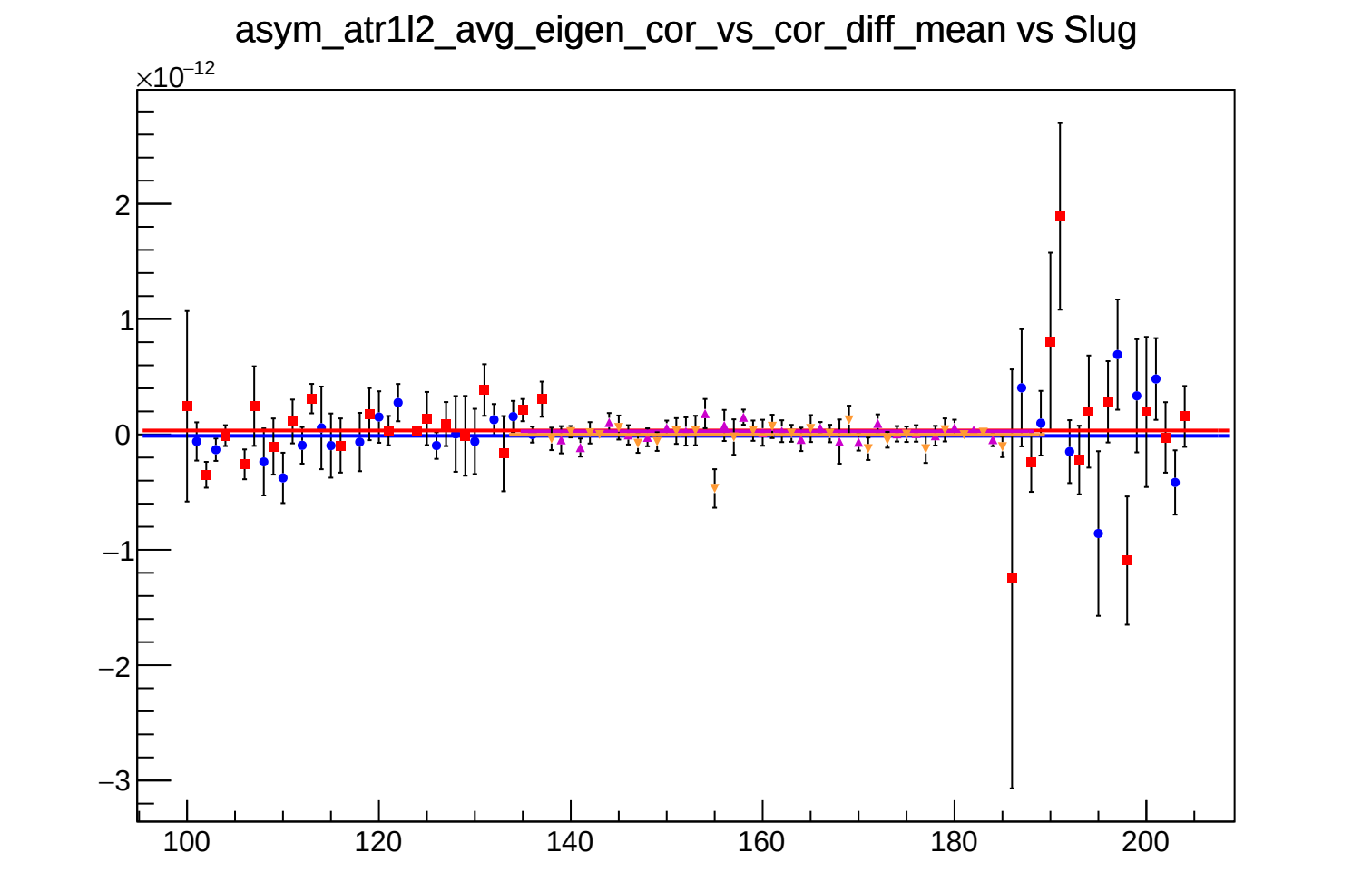
Right Out: 138.240+/-0.029 χ^2/NDF: 4801186.6/29

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 200.389+/-0.029 χ^2/NDF: 14830420.8/48

All: 186.179+/-0.019 χ^2/NDF: 32368765.7/10

- sign 175.150+/-0.026 χ^2/NDF: 17120316.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 21.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

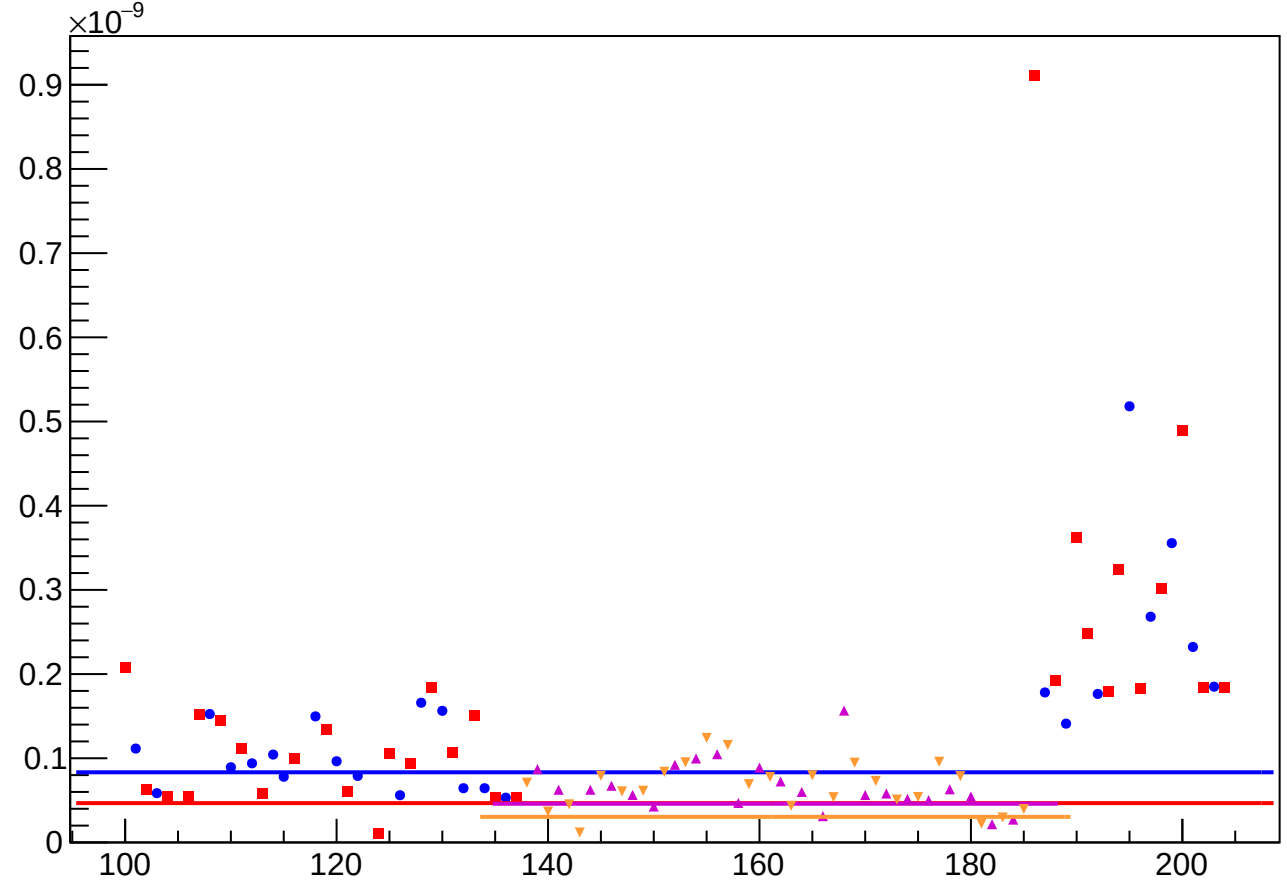
Right Out: 0.000+/-0.000 χ^2/NDF: 46.8/29

Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.5/48

All: 0.000+/-0.000 χ^2/NDF: 105.6/101

- sign 0.000+/-0.000 χ^2/NDF: 63.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 3954957.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9658325.8/29

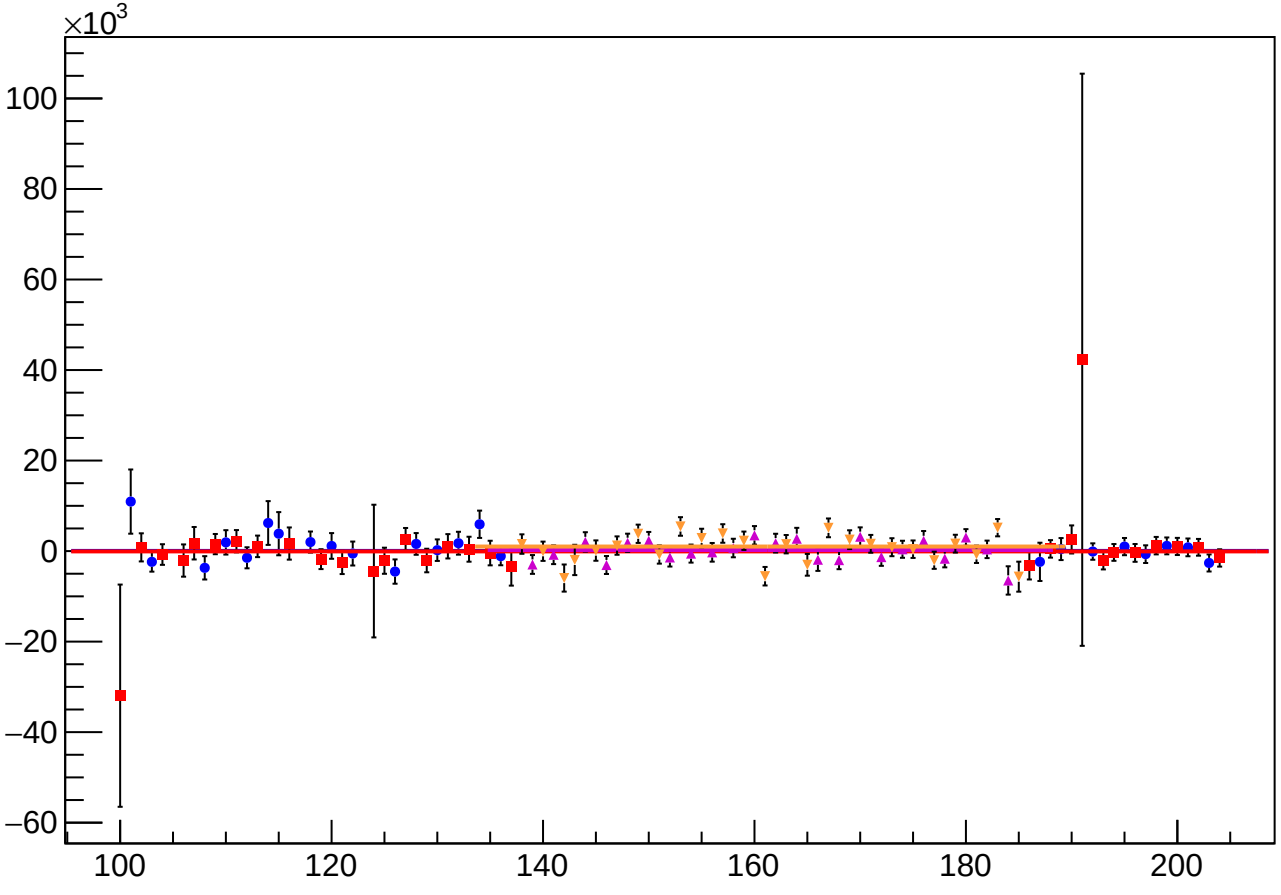
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 18491108.7/48

All: 0.000+/-0.000 χ^2/NDF: 34034204.6/101

- sign 0.000+/-0.000 χ^2/NDF: 14559269.8/52

reg_asym_atr1l2_dd_mean vs Slug



Right In: 36.674+/-491.202 χ^2/NDF: 20.9/23

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -67.662+/-460.466 χ^2/NDF: 13.9/29

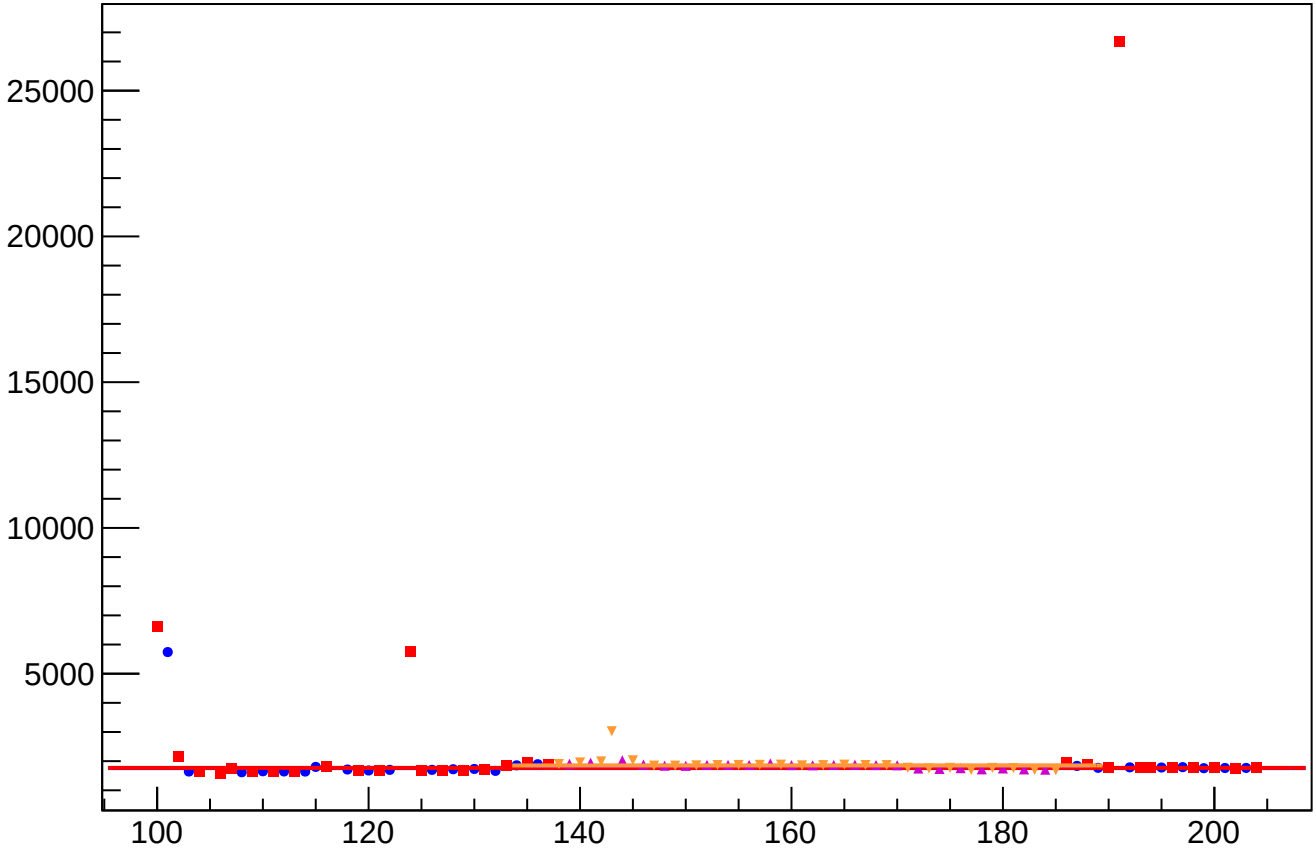
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 592.665+/-320.348 χ^2/NDF: 70.5/48

All: 336.980+/-224.299 χ^2/NDF: 112.3/101

- sign 91.082+/-314.157 χ^2/NDF: 40.5/52

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1762.433+/-0.347 χ^2/NDF: 672083.2/23

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1768.694+/-0.324 χ^2/NDF: 638227.8/29

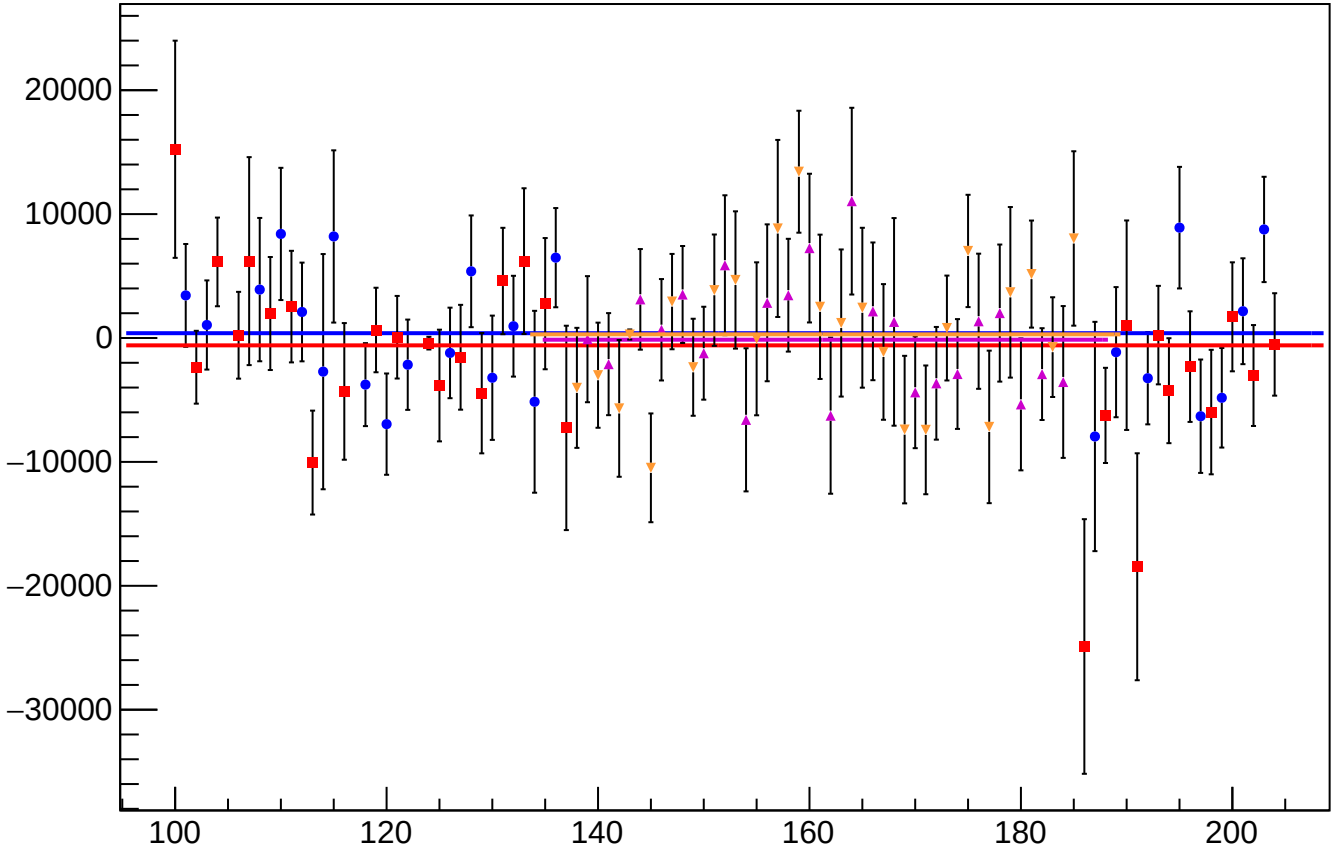
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1814.211+/-0.227 χ^2/NDF: 1031793.5/48

All: 1809.965+/-0.158 χ^2/NDF: 1763871.8/10

- sign 1805.895+/-0.222 χ^2/NDF: 731390.1/52

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 388.456+/-910.550 χ^2/NDF: 27.6/23

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -593.602+/-436.400 χ^2/NDF: 33.9/29

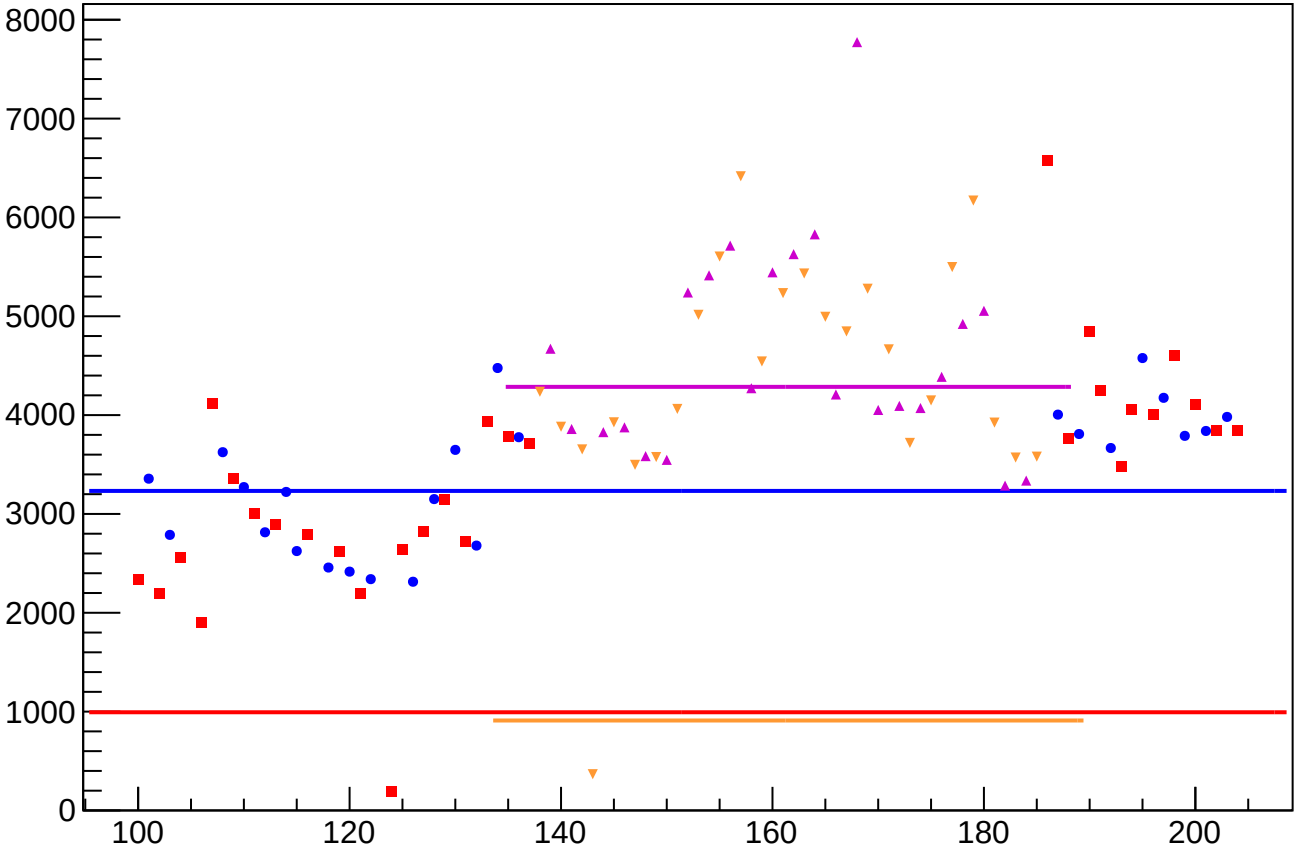
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 308.352+/-350.625 χ^2/NDF: 57.6/48

All: -51.667+/-264.068 χ^2/NDF: 108.0/101

- sign -523.505+/-401.399 χ^2/NDF: 48.0/52

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3232.924+/-0.644 χ^2/NDF: 1099023.1/23

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 993.484+/-0.309 χ^2/NDF: 20038702.8/29

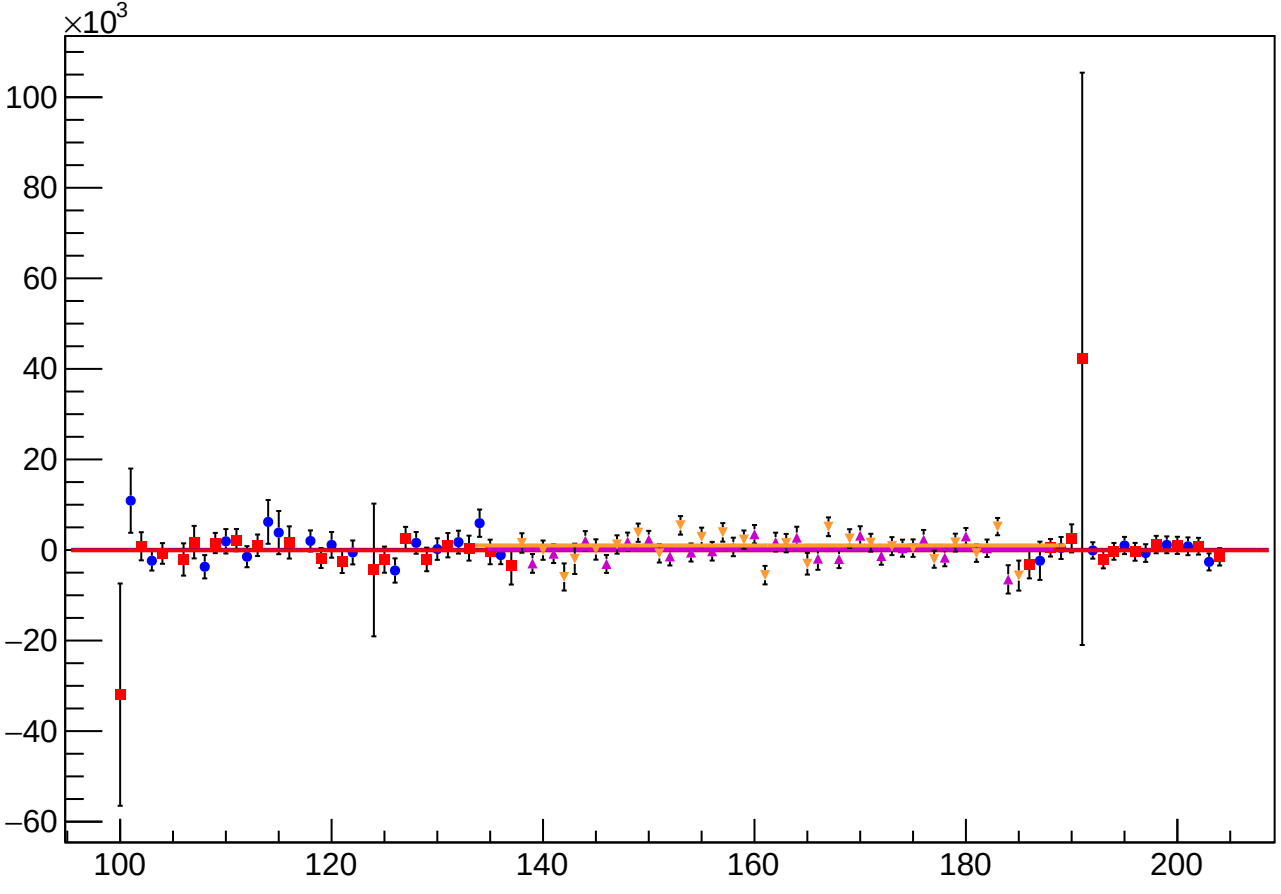
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1254.555+/-0.248 χ^2/NDF: 38958235.1/48

All: 1360.964+/-0.187 χ^2/NDF: 78278165.8/1

- sign 1500.424+/-0.284 χ^2/NDF: 38894302.9/52

cor_asym_atr1l2_dd_mean vs Slug



Right In: 36.496+/-491.202 χ^2/NDF: 20.9/23

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -67.637+/-460.466 χ^2/NDF: 13.9/29

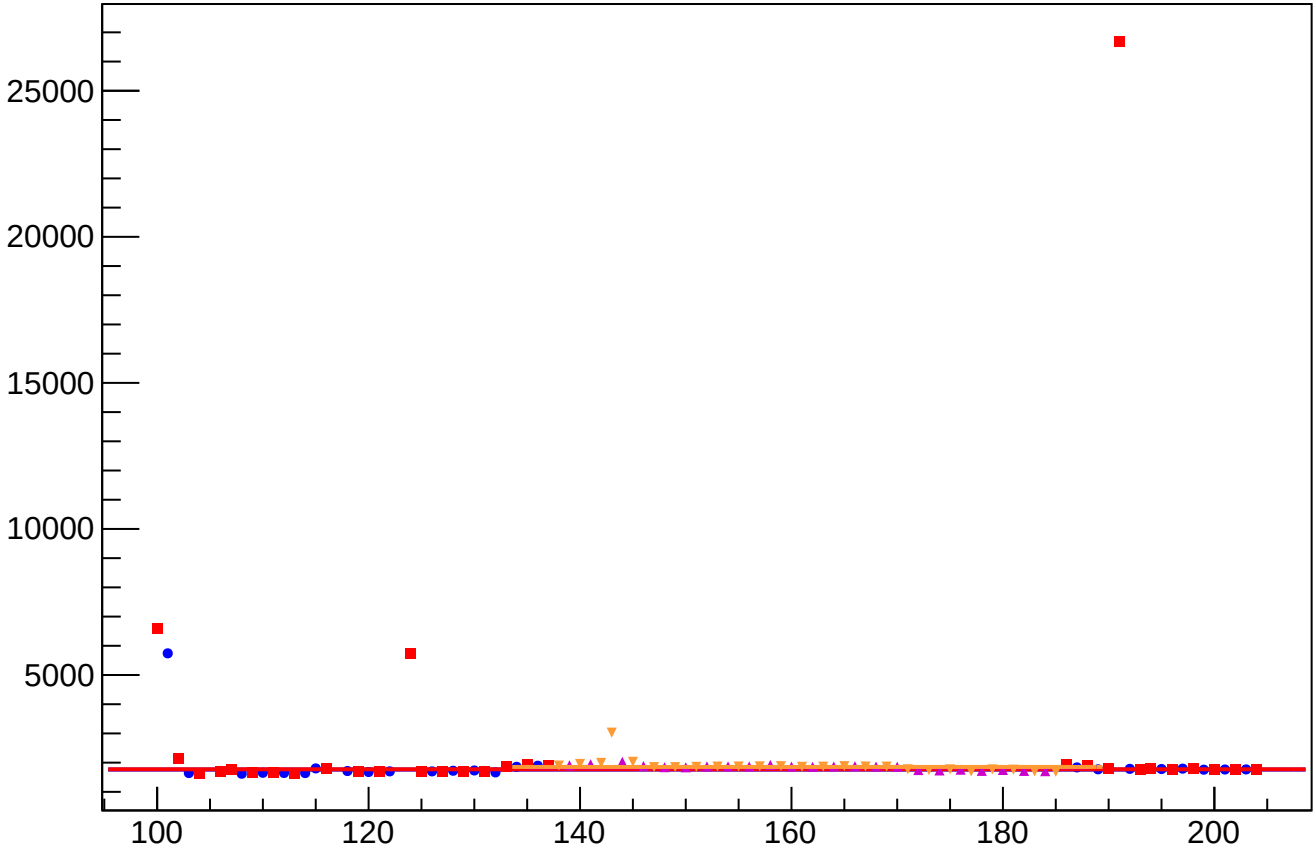
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 592.565+/-320.348 χ^2/NDF: 70.5/48

All: 336.914+/-224.299 χ^2/NDF: 112.2/101

- sign 91.048+/-314.157 χ^2/NDF: 40.5/52

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1762.433+/-0.347 χ^2/NDF: 672083.4/23

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1772.122+/-0.325 χ^2/NDF: 629883.8/29

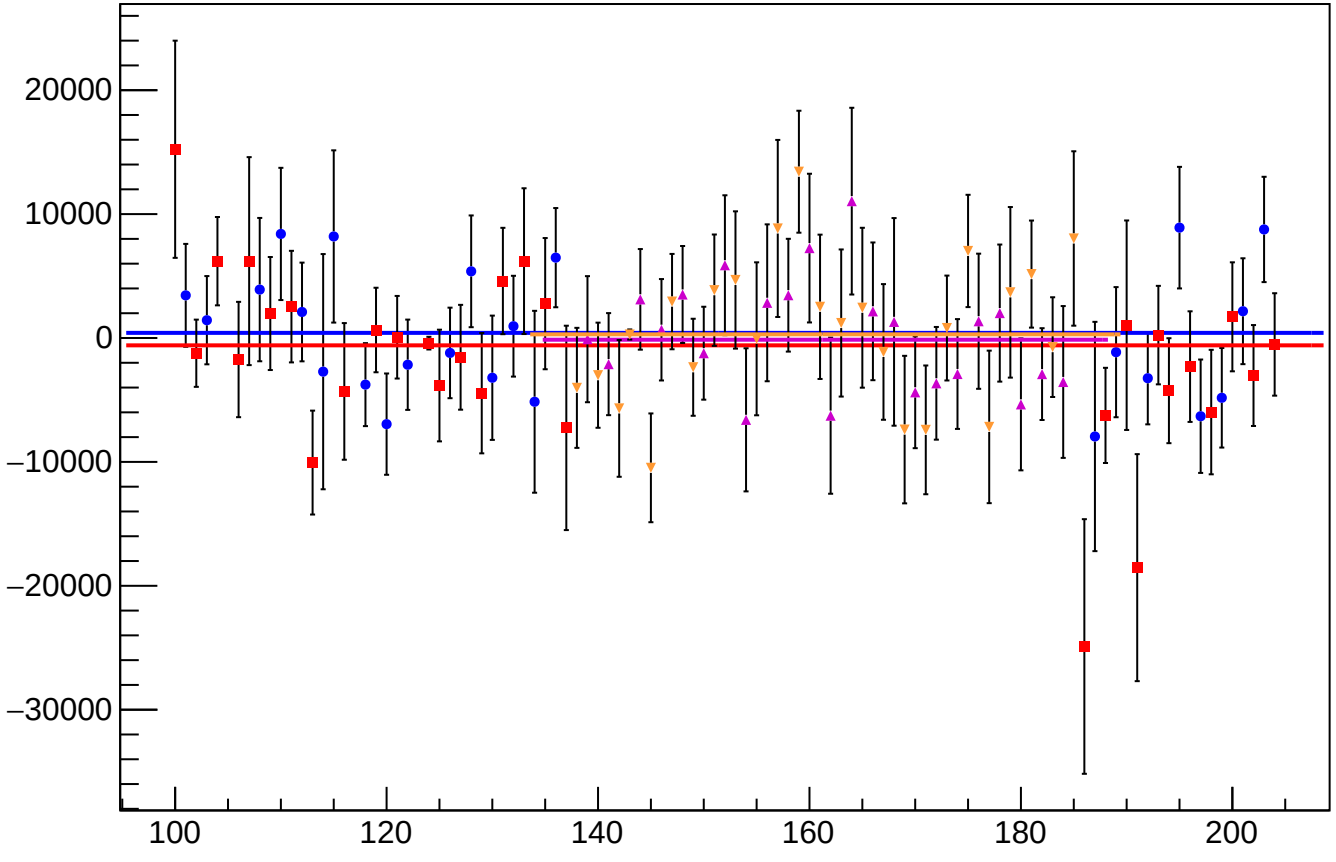
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1814.211+/-0.227 χ^2/NDF: 1031793.8/48

All: 1810.816+/-0.159 χ^2/NDF: 1752874.2/10

- sign 1807.556+/-0.222 χ^2/NDF: 720640.0/52

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 414.616+/-909.963 χ^2/NDF: 27.6/23

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -592.534+/-437.192 χ^2/NDF: 33.7/29

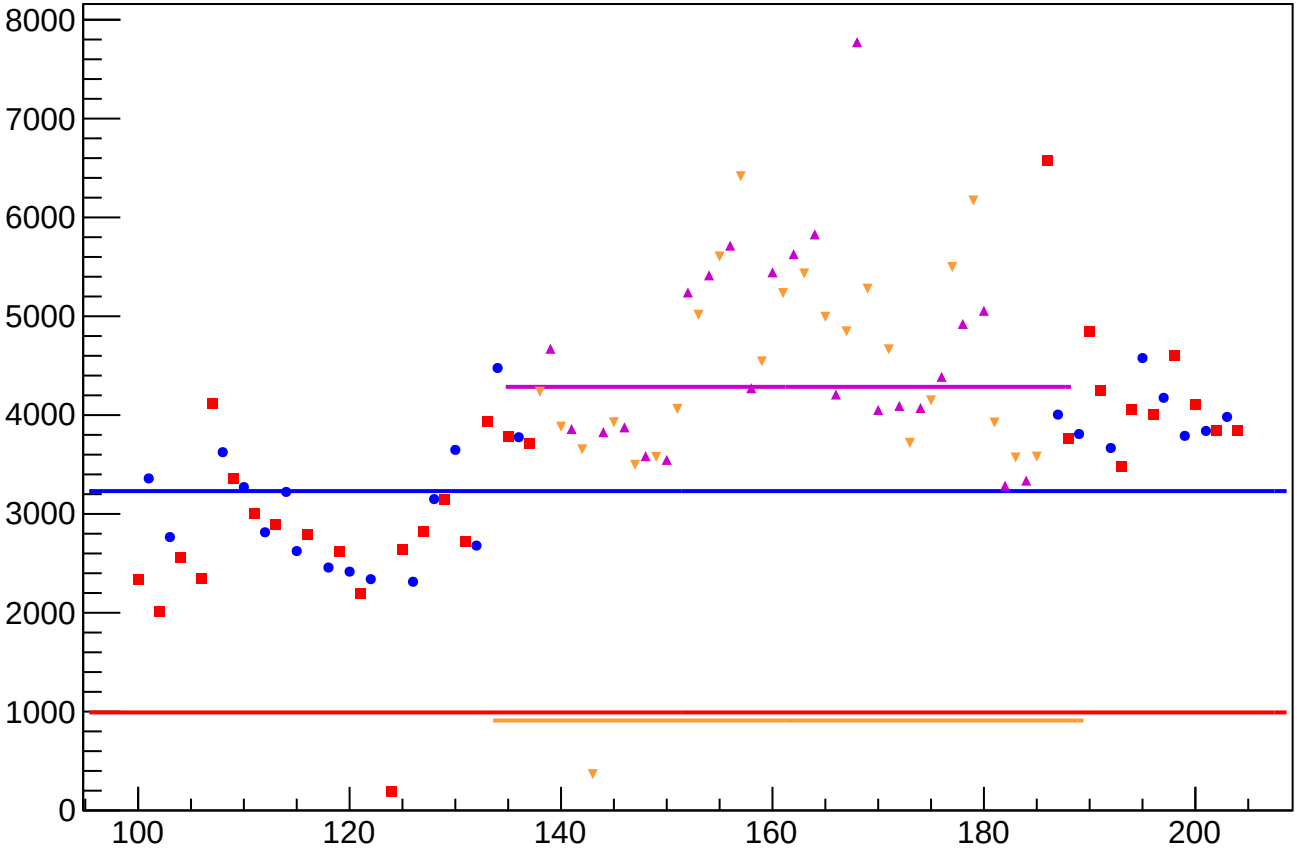
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 313.021+/-350.614 χ^2/NDF: 57.7/48

All: -47.889+/-264.238 χ^2/NDF: 107.9/101

- sign -522.374+/-402.015 χ^2/NDF: 47.8/52

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3230.995+/-0.643 χ^2/NDF: 1102903.8/23

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 991.810+/-0.309 χ^2/NDF: 20009896.1/29

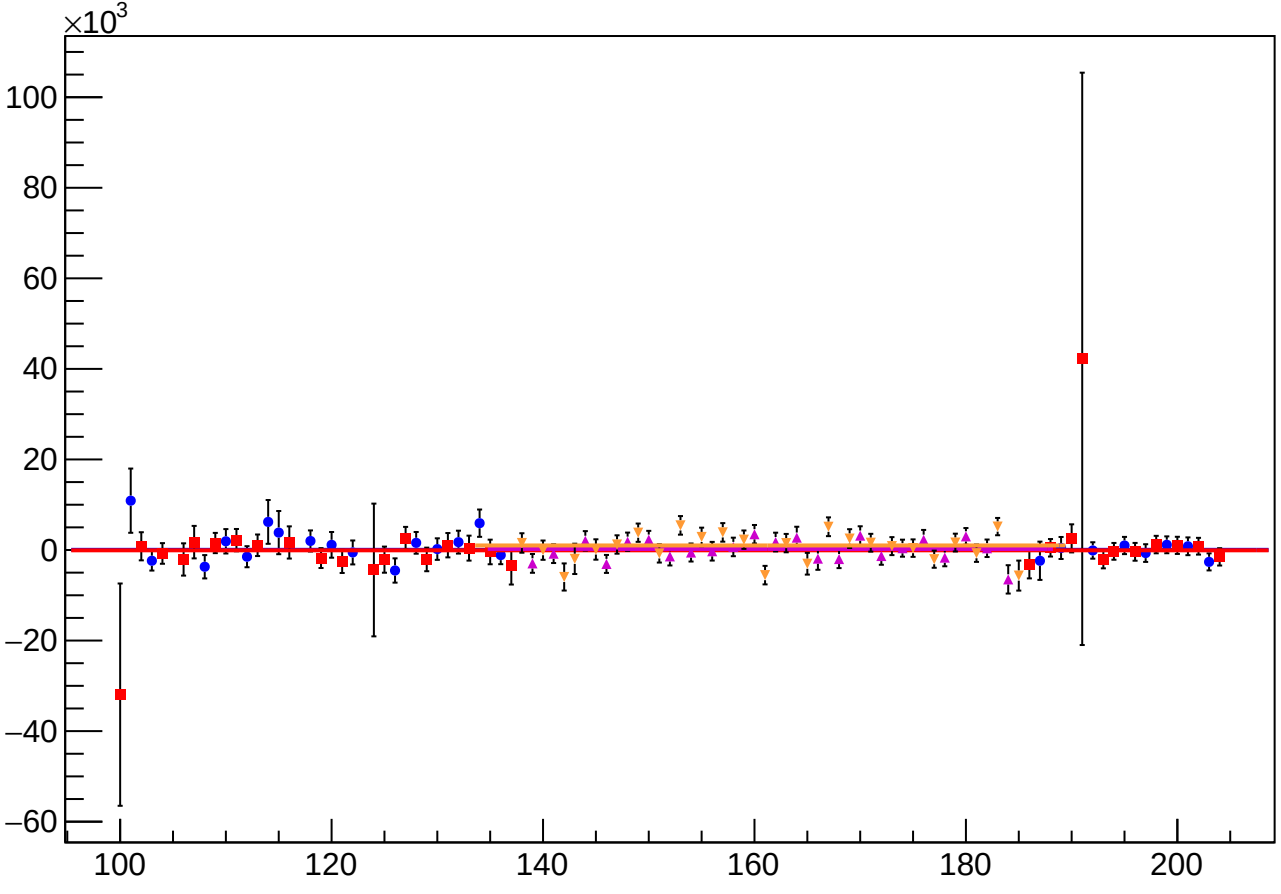
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1254.793+/-0.248 χ^2/NDF: 38953342.6/48

All: 1360.972+/-0.187 χ^2/NDF: 78251396.2/1

- sign 1500.565+/-0.284 χ^2/NDF: 38873490.8/52

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 36.496+/-491.202 χ^2/NDF: 20.9/23

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -67.637+/-460.466 χ^2/NDF: 13.9/29

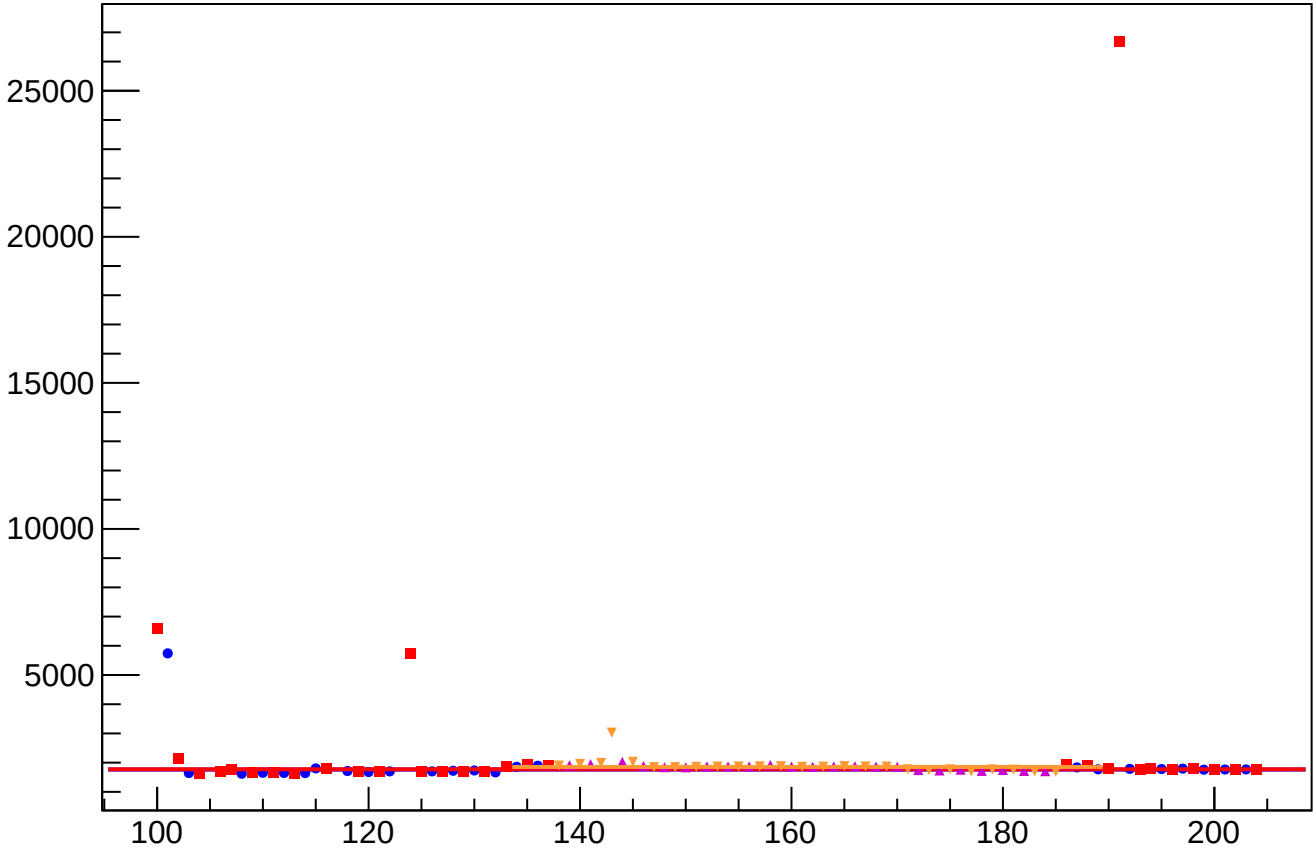
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 592.565+/-320.348 χ^2/NDF: 70.5/48

All: 336.914+/-224.299 χ^2/NDF: 112.2/101

- sign 91.048+/-314.157 χ^2/NDF: 40.5/52

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1762.433+/-0.347 χ^2/NDF: 672083.4/23

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

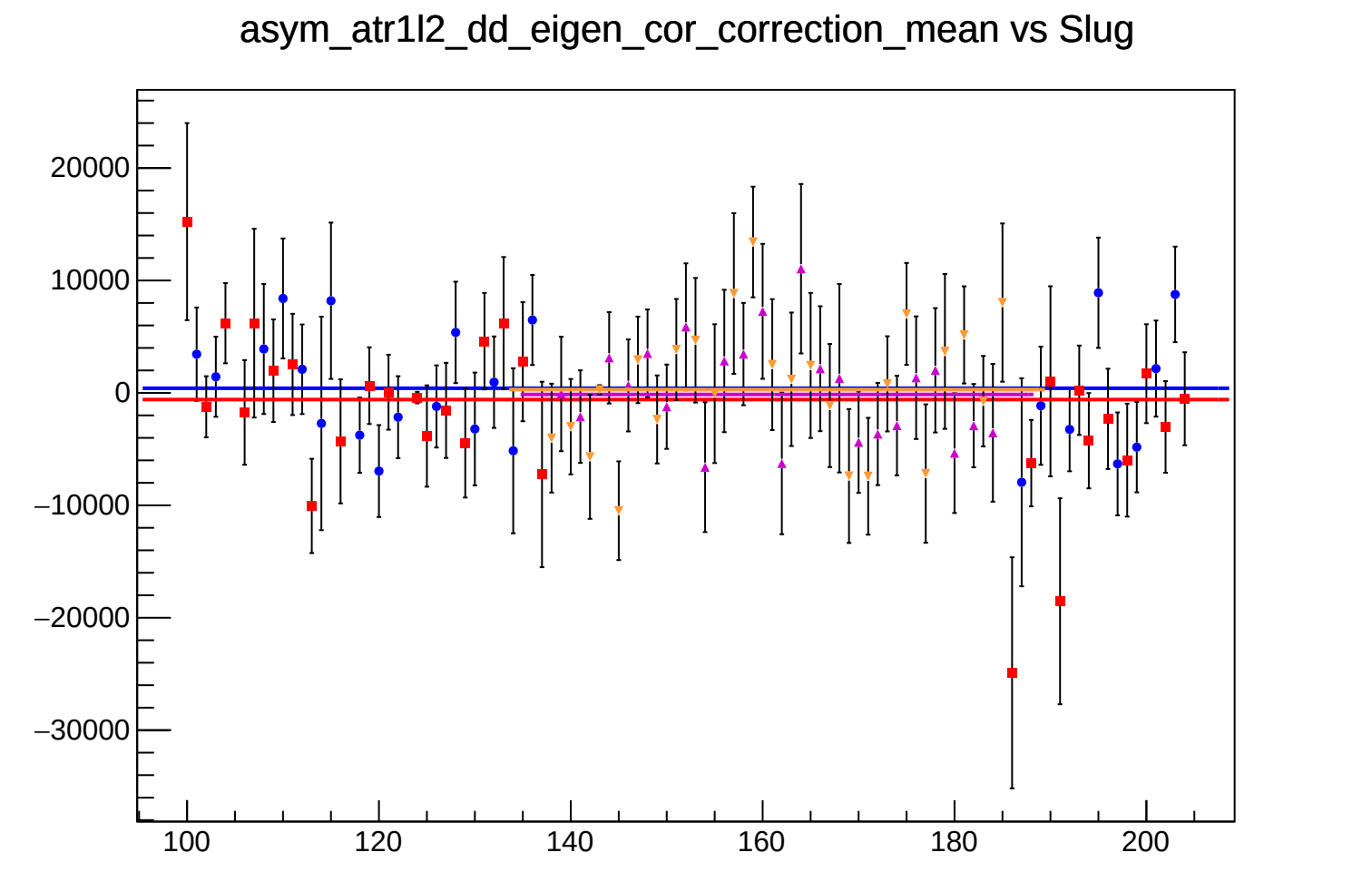
Right Out: 1772.122+/-0.325 χ^2/NDF: 629883.8/29

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1814.211+/-0.227 χ^2/NDF: 1031793.8/48

All: 1810.816+/-0.159 χ^2/NDF: 1752874.2/10

- sign 1807.556+/-0.222 χ^2/NDF: 720640.0/52



Right In: 414.616+/-909.963 χ^2/NDF: 27.6/23

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -592.534+/-437.192 χ^2/NDF: 33.7/29

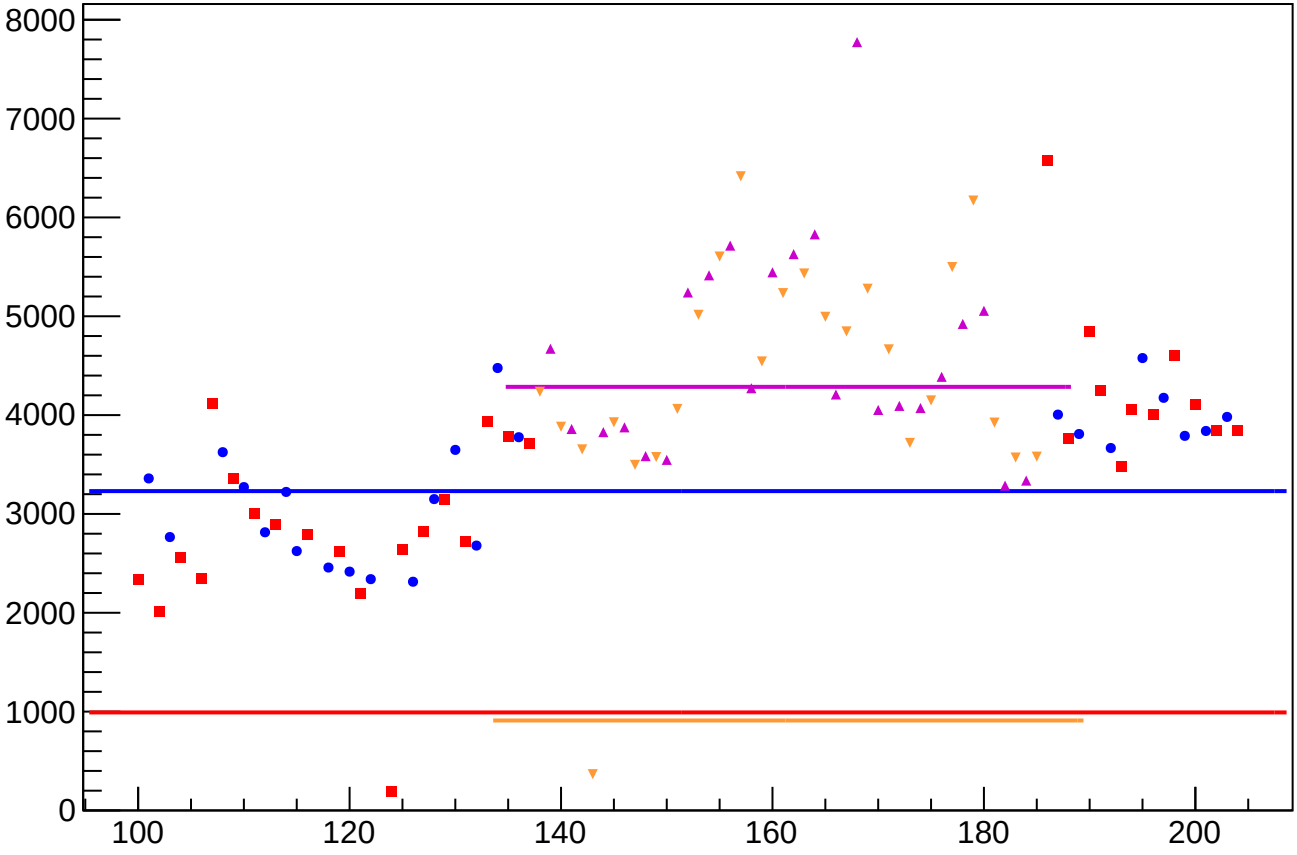
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 313.021+/-350.614 χ^2/NDF: 57.7/48

All: -47.889+/-264.238 χ^2/NDF: 107.9/101

- sign -522.374+/-402.015 χ^2/NDF: 47.8/52

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3230.995+/-0.643 χ^2/NDF: 1102903.8/23

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 991.810+/-0.309 χ^2/NDF: 20009896.1/29

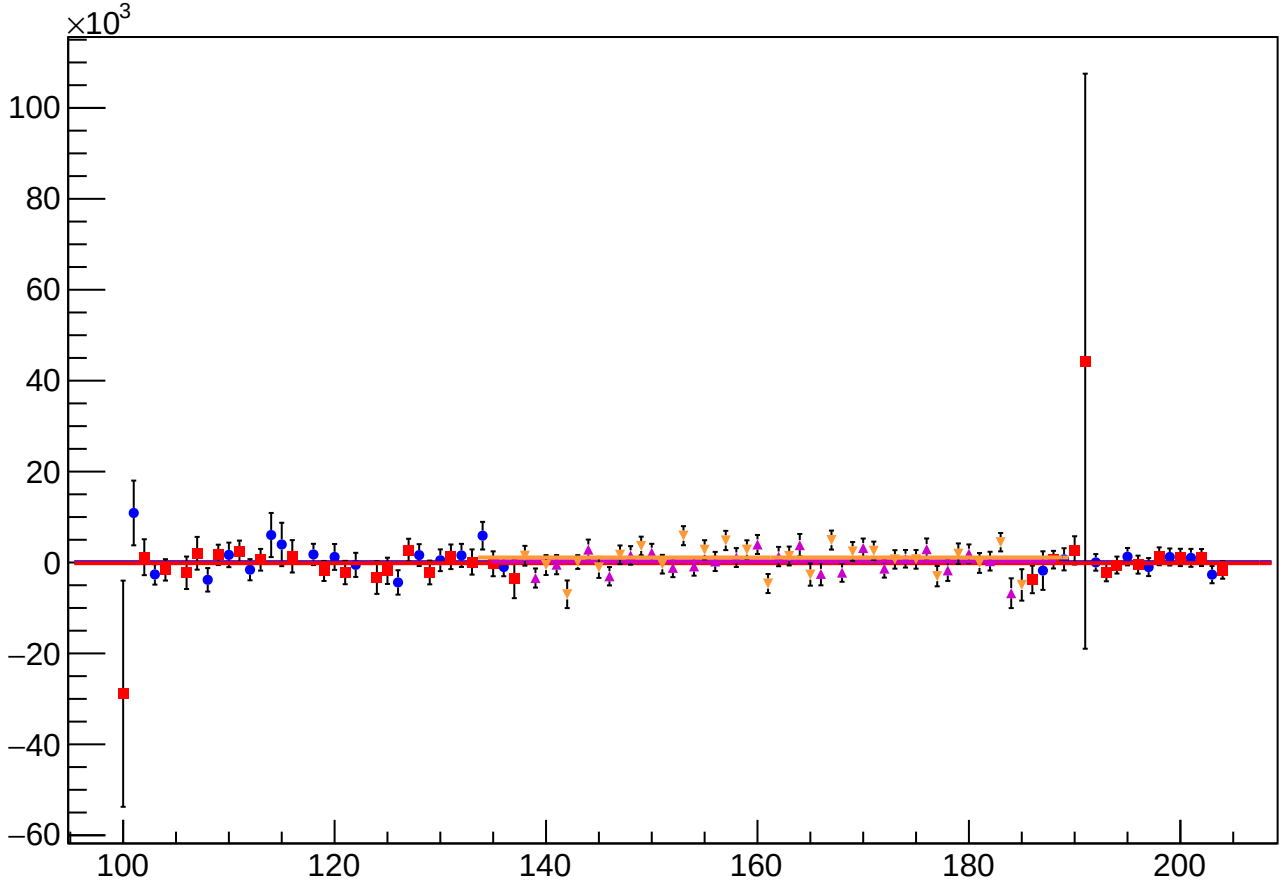
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1254.793+/-0.248 χ^2/NDF: 38953342.6/48

All: 1360.972+/-0.187 χ^2/NDF: 78251396.2/1

- sign 1500.565+/-0.284 χ^2/NDF: 38873490.8/52

dit_asym_atr1l2_dd_mean vs Slug



Right In: 70.269+/-494.485 χ^2/NDF: 20.9/23

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -148.098+/-461.718 χ^2/NDF: 15.7/29

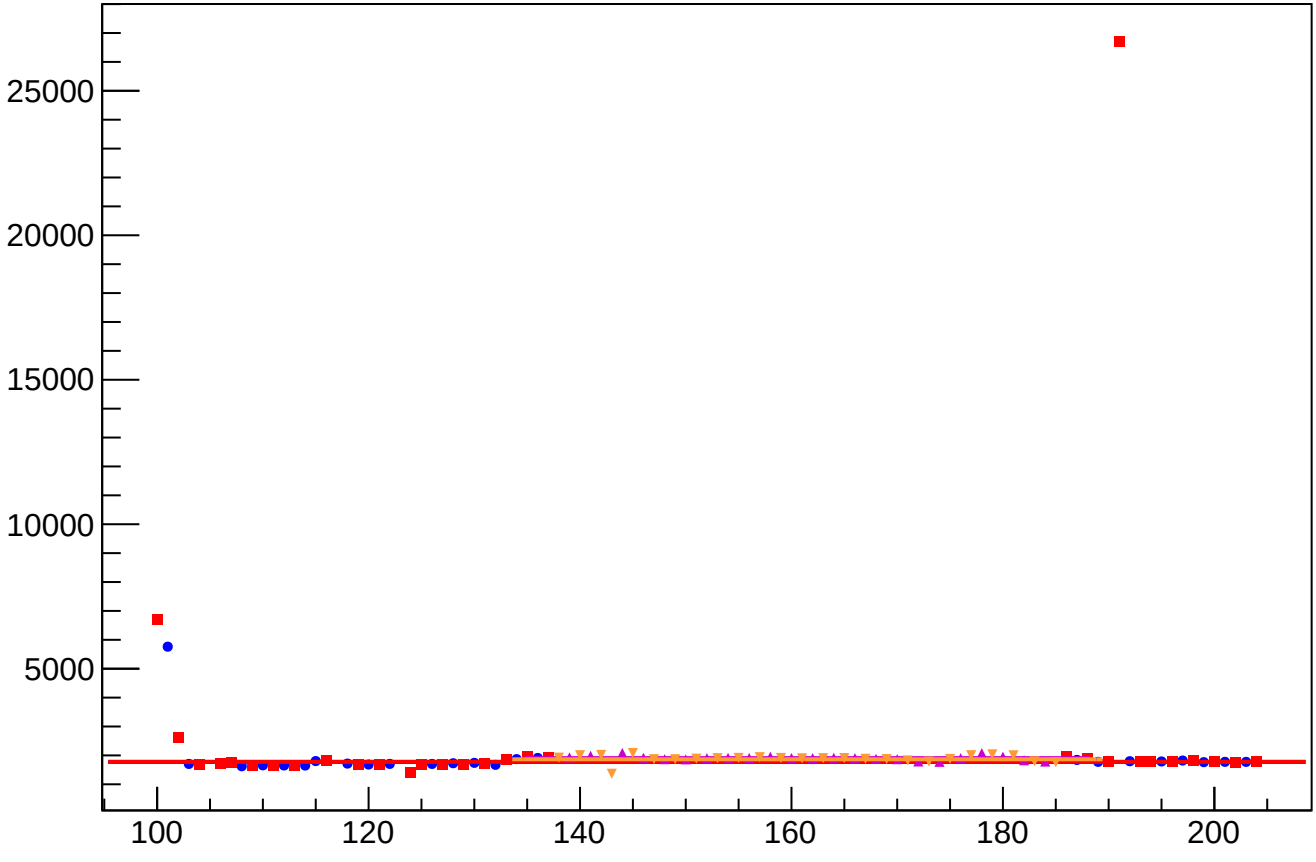
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 664.031+/-322.451 χ^2/NDF: 68.2/48

All: 363.088+/-227.329 χ^2/NDF: 113.7/101

- sign 65.699+/-320.542 χ^2/NDF: 43.8/52

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1774.232+/-0.350 χ^2/NDF: 670590.8/23

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1777.209+/-0.326 χ^2/NDF: 561704.3/29

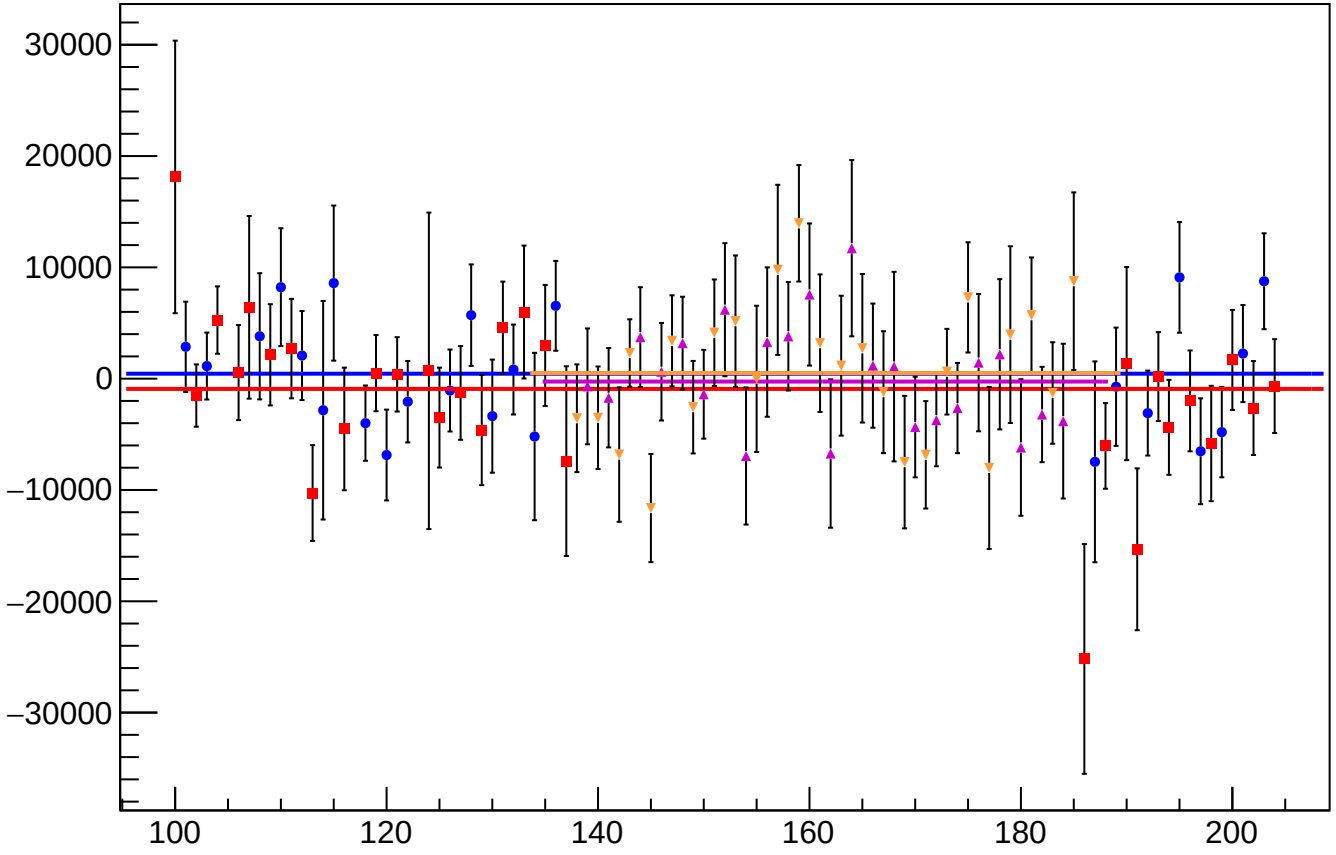
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1826.312+/-0.228 χ^2/NDF: 1003900.2/48

All: 1835.034+/-0.161 χ^2/NDF: 1701560.8/10

- sign 1843.642+/-0.226 χ^2/NDF: 694752.8/52

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 446.277+/-904.219 χ^2/NDF: 27.3/23

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -921.750+/-835.069 χ^2/NDF: 32.7/29

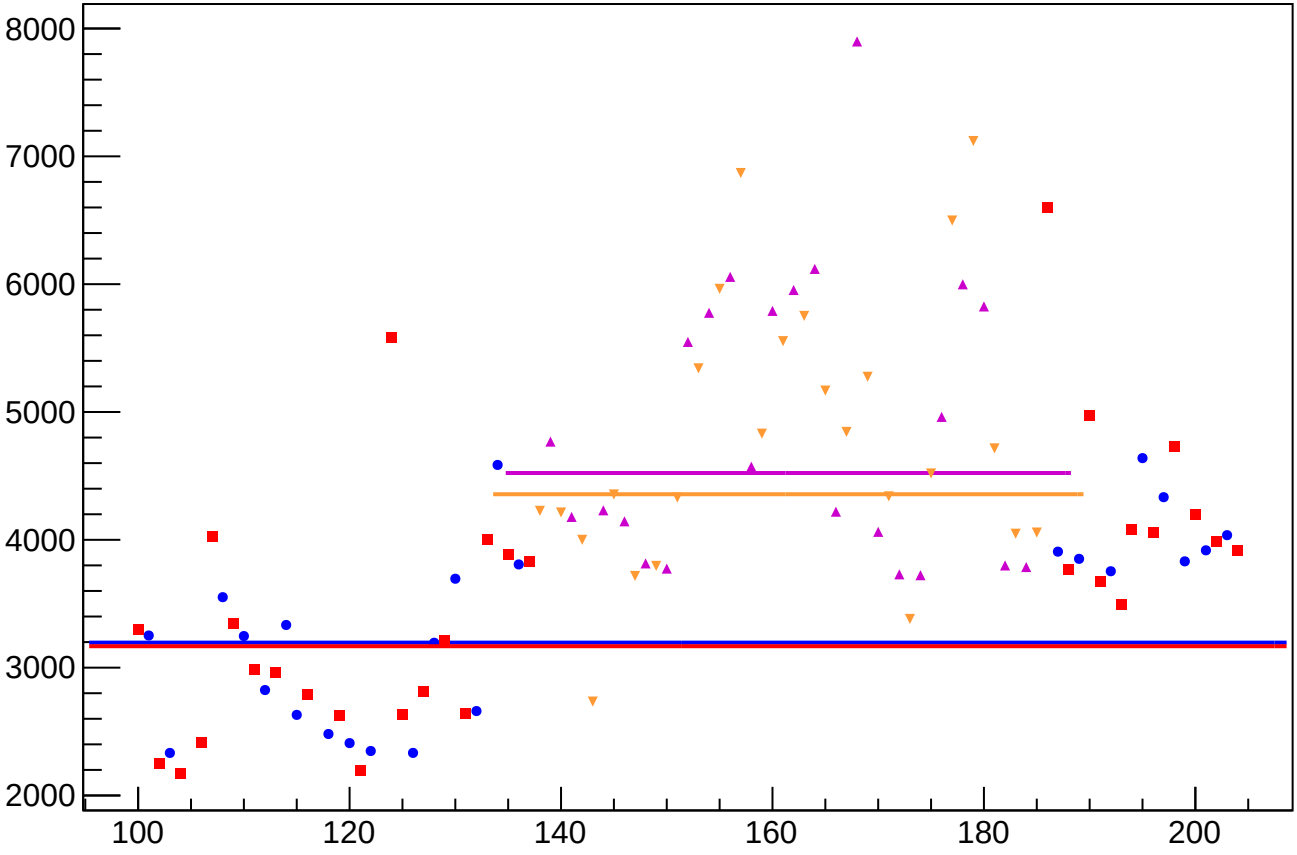
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 471.746+/-677.118 χ^2/NDF: 57.4/48

All: -115.458+/-472.972 χ^2/NDF: 105.4/101

- sign -674.943+/-660.943 χ^2/NDF: 46.6/52

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3195.860+/-0.639 χ^2/NDF: 1301989.7/23

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

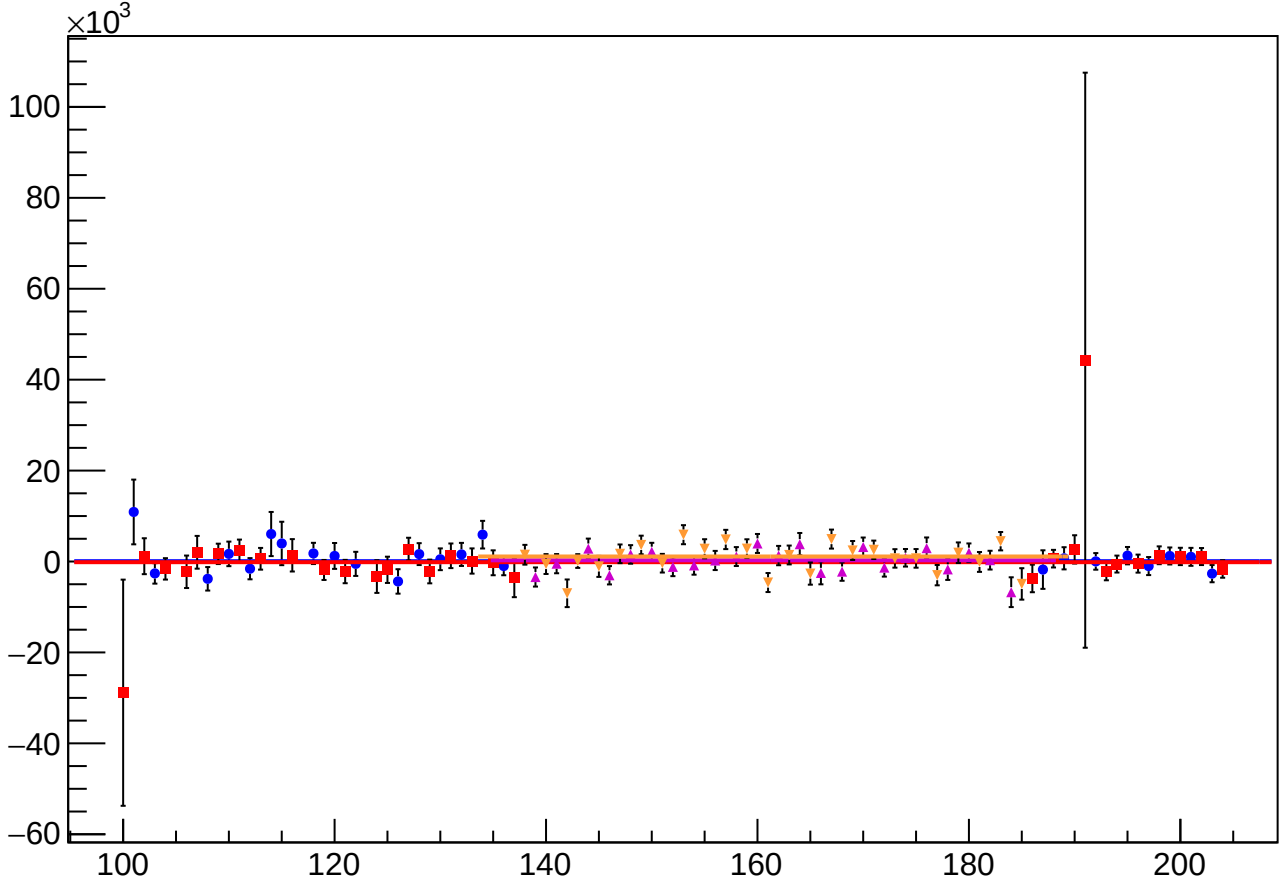
Right Out: 3167.668+/-0.590 χ^2/NDF: 1949601.1/29

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3705.715+/-0.479 χ^2/NDF: 4662020.1/48

All: 3689.412+/-0.334 χ^2/NDF: 10015299.8/1

- sign 3673.879+/-0.467 χ^2/NDF: 5351015.5/52



Right In: 70.272+/-494.485 χ^2/NDF: 20.9/23

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -148.095+/-461.718 χ^2/NDF: 15.7/29

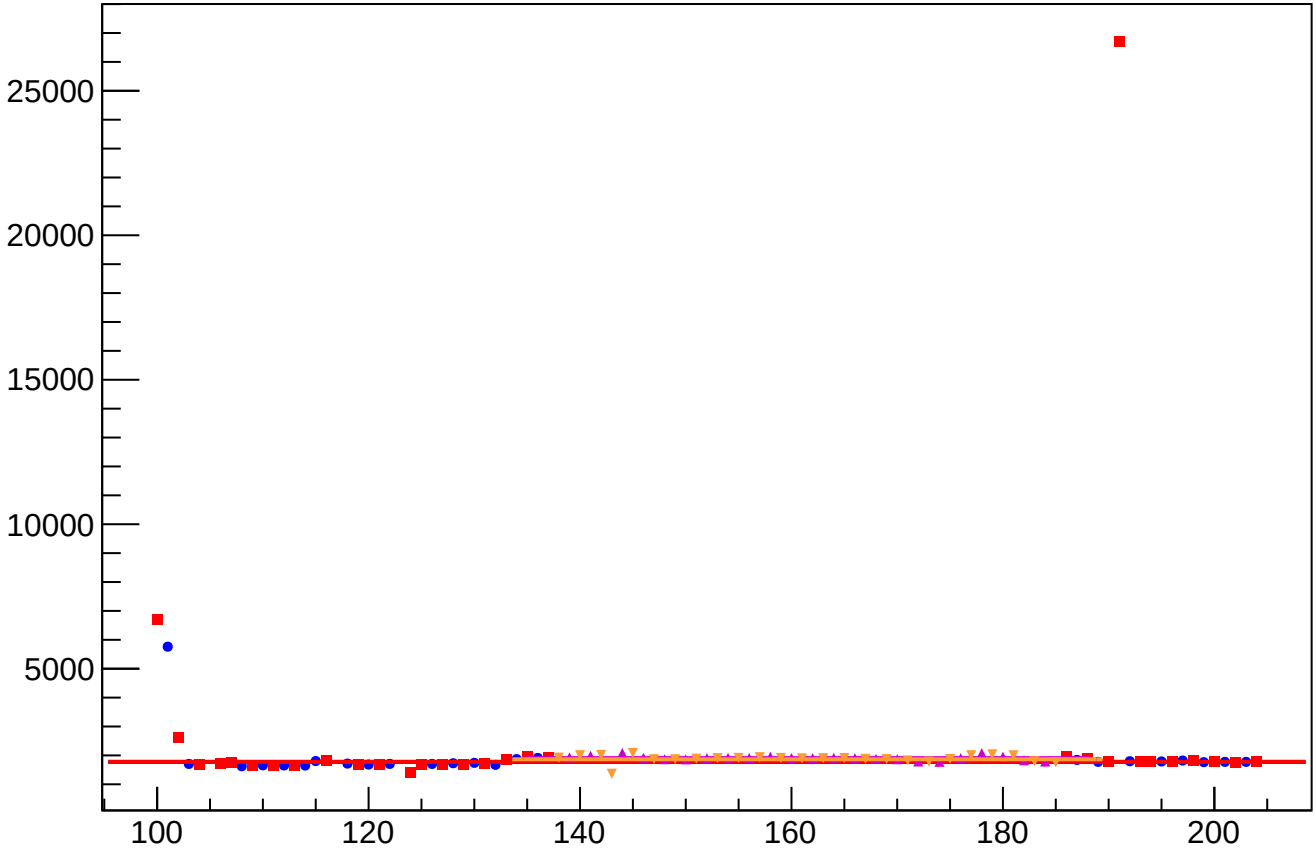
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 664.033+/-322.451 χ^2/NDF: 68.2/48

All: 363.090+/-227.329 χ^2/NDF: 113.7/101

- sign 65.700+/-320.542 χ^2/NDF: 43.8/52

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1774.233+/-0.350 χ^2/NDF: 670590.9/23

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

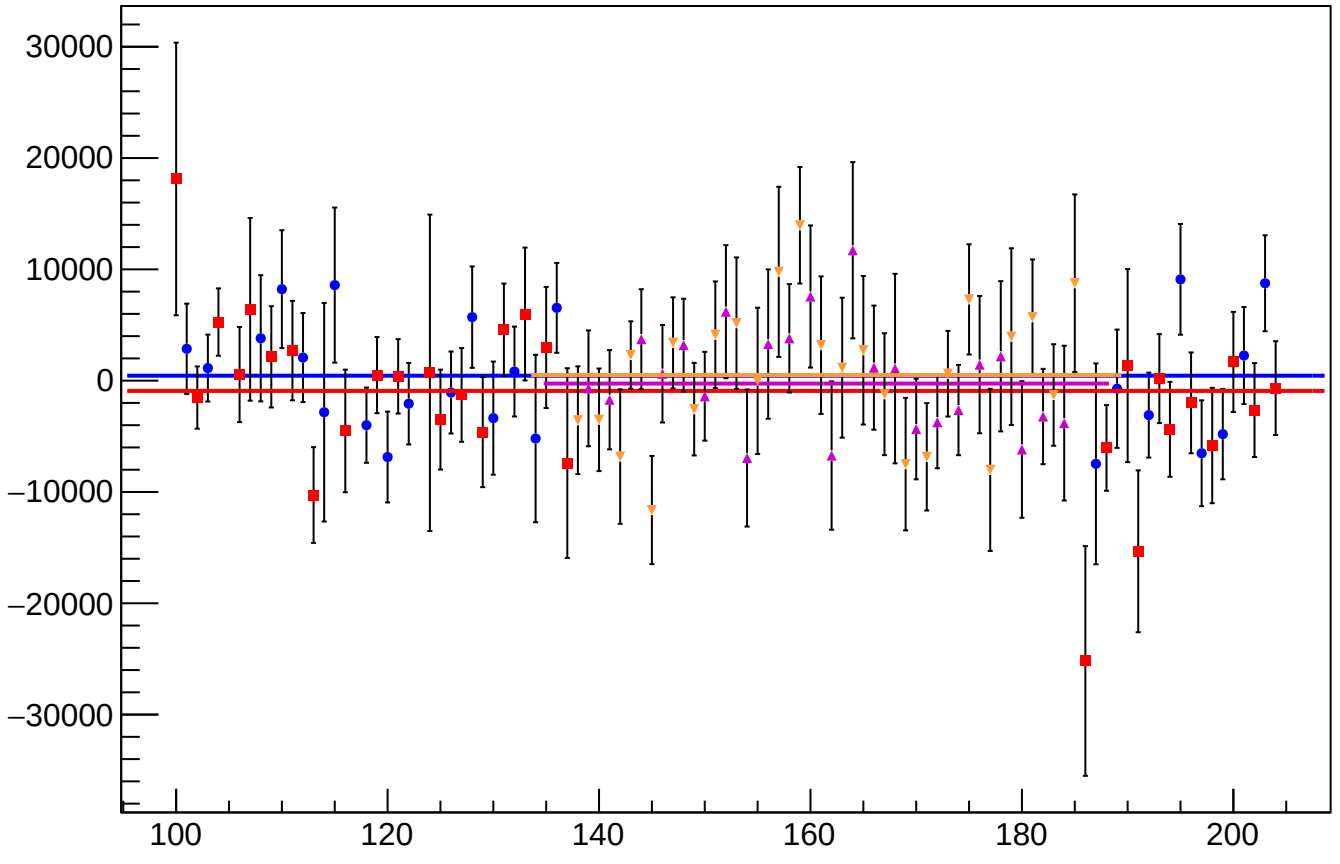
Right Out: 1777.209+/-0.326 χ^2/NDF: 561704.3/29

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1826.312+/-0.228 χ^2/NDF: 1003904.3/48

All: 1835.035+/-0.161 χ^2/NDF: 1701568.5/10

- sign 1843.643+/-0.227 χ^2/NDF: 694756.3/52



Right In: 446.272+/-904.217 χ^2/NDF: 27.3/23

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

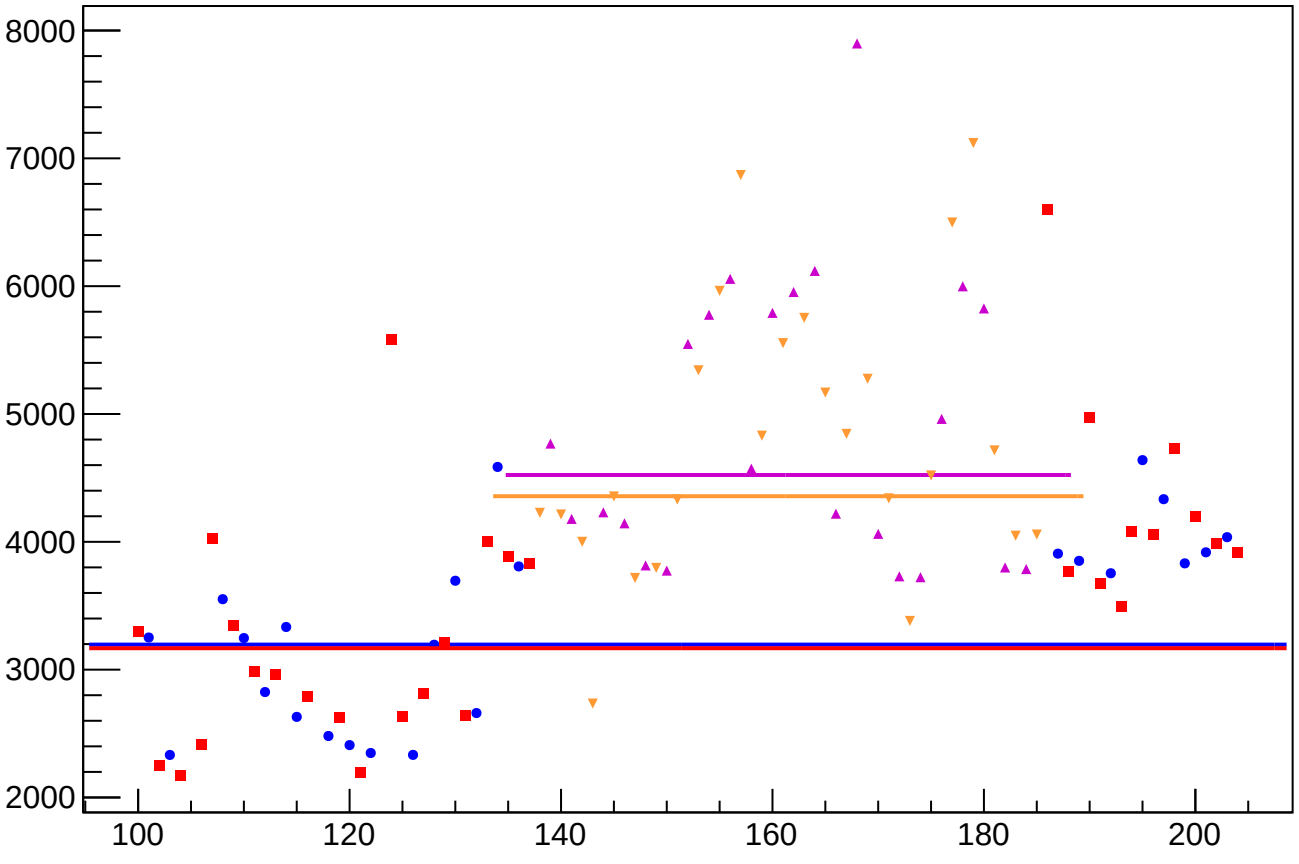
Right Out: -921.747+/-835.068 χ^2/NDF: 32.7/29

Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 471.744+/-677.118 χ^2/NDF: 57.4/48

All: -115.459+/-472.972 χ^2/NDF: 105.4/101

- sign -674.942+/-660.943 χ^2/NDF: 46.6/52



Right In: 3195.854+/-0.639 χ^2/NDF: 1302009.8/23

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3167.665+/-0.590 χ^2/NDF: 1949613.5/29

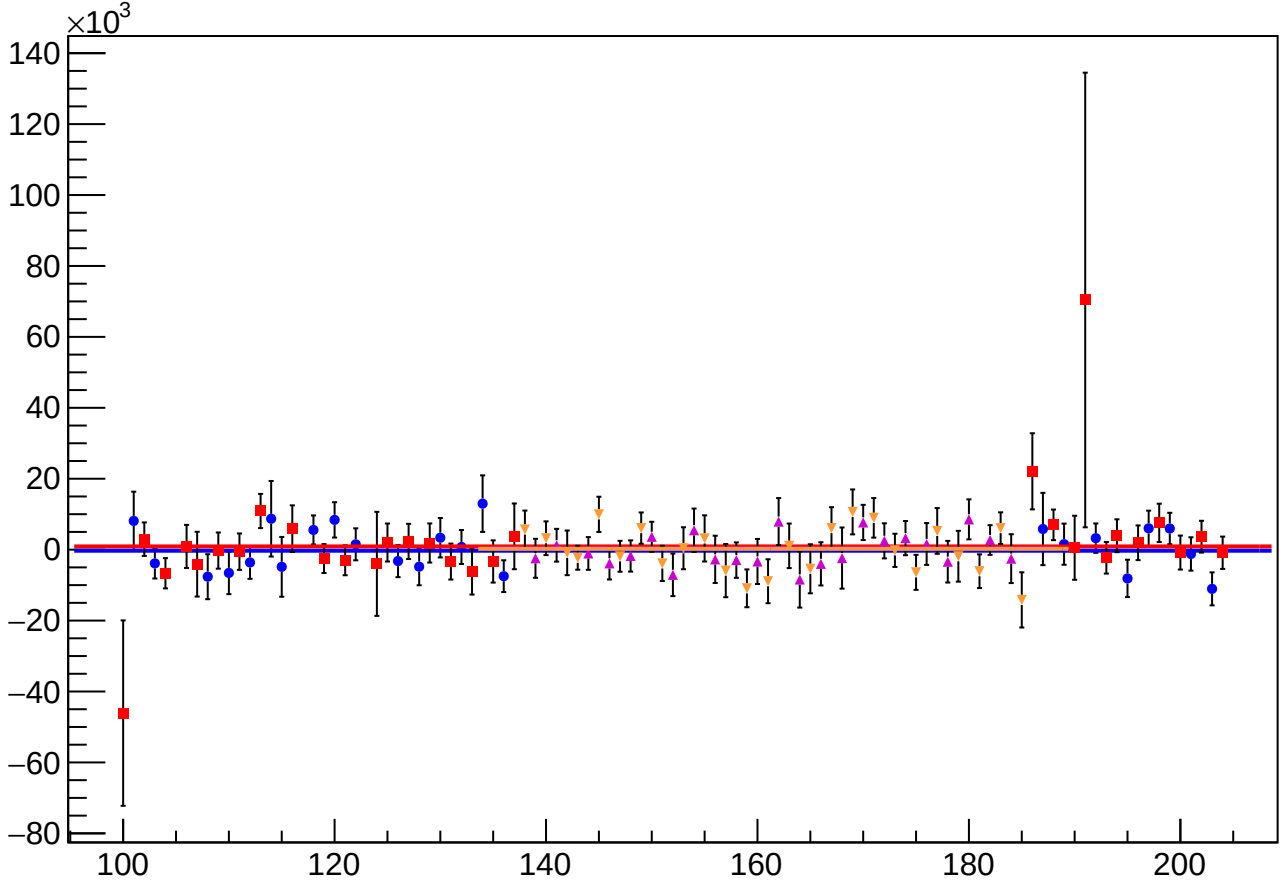
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3705.713+/-0.479 χ^2/NDF: 4662075.5/48

All: 3689.411+/-0.334 χ^2/NDF: 10015398.8/1

- sign 3673.878+/-0.467 χ^2/NDF: 5351059.3/52

asym_atr1l2_dd_mean vs Slug



Right In: -296.645+/-1063.869 χ^2/NDF: 30.3/23

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 911.097+/-998.215 χ^2/NDF: 26.4/29

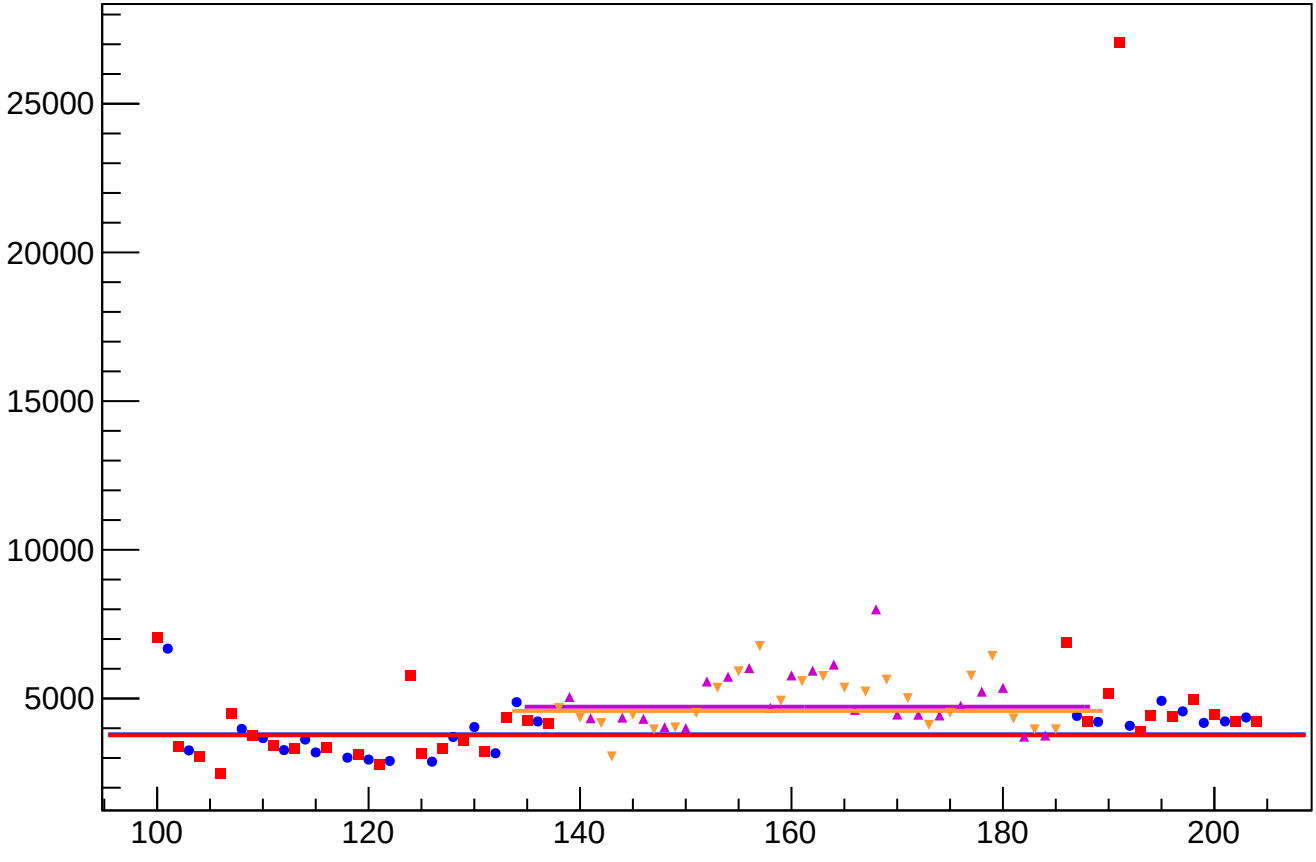
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign -28.555+/-752.544 χ^2/NDF: 62.6/48

All: 331.132+/-529.652 χ^2/NDF: 103.8/101

- sign 684.198+/-745.585 χ^2/NDF: 40.7/52

asym_atr1l2_dd_rms vs Slug



Right In: 3791.370+/-0.752 χ^2/NDF: 932530.8/23

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3764.056+/-0.700 χ^2/NDF: 1361576.5/29

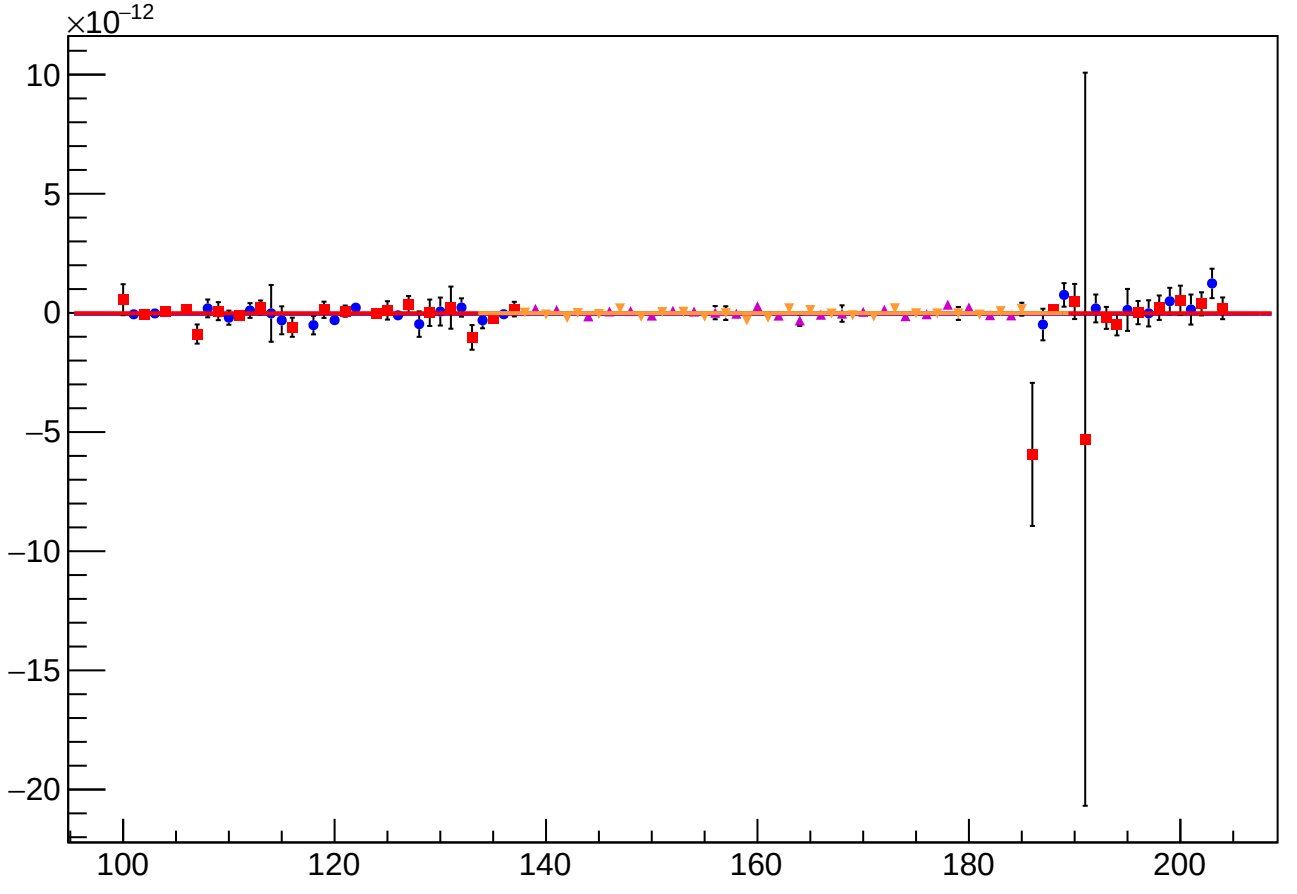
Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4187.727+/-0.532 χ^2/NDF: 2799867.3/48

All: 4185.806+/-0.374 χ^2/NDF: 6000357.8/10

- sign 4183.939+/-0.525 χ^2/NDF: 3200464.8/52

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/29

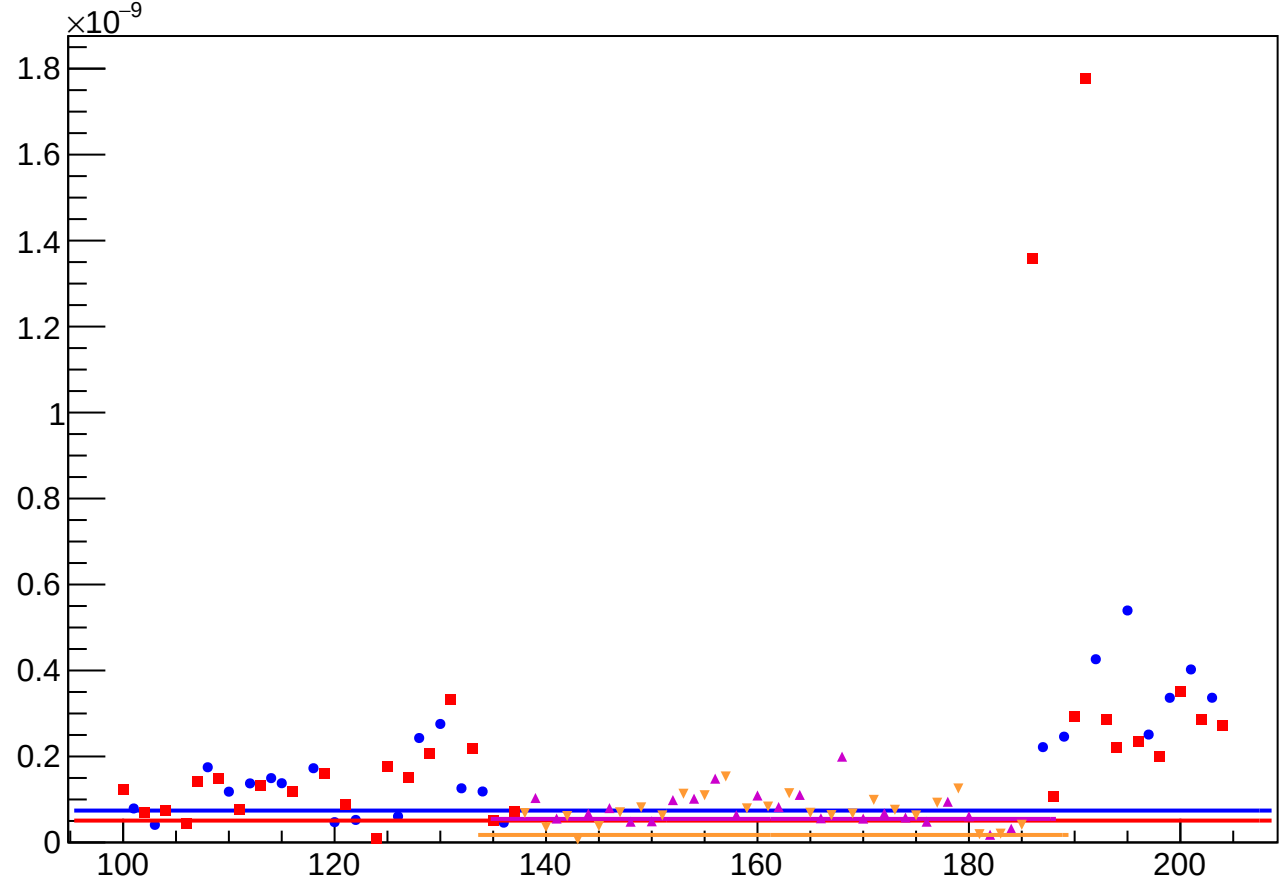
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.3/48

All: -0.000+/-0.000 χ^2/NDF: 93.1/101

- sign -0.000+/-0.000 χ^2/NDF: 52.8/52

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4727595.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6777483.7/29

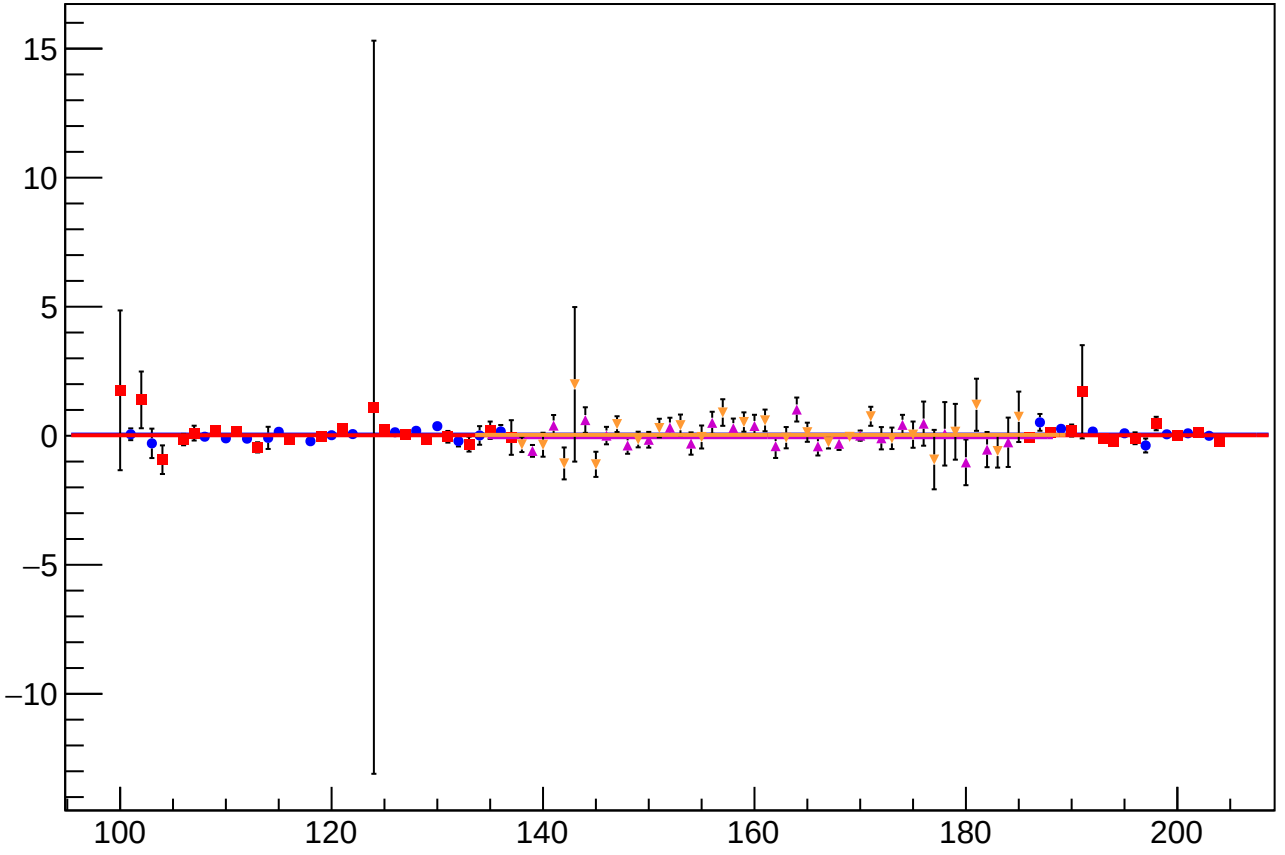
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 16777908.0/48

All: 0.000+/-0.000 χ^2/NDF: 30533194.6/101

- sign 0.000+/-0.000 χ^2/NDF: 9593749.7/52

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.046+/-0.039 χ^2/NDF: 19.3/23

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.019+/-0.034 χ^2/NDF: 33.6/29

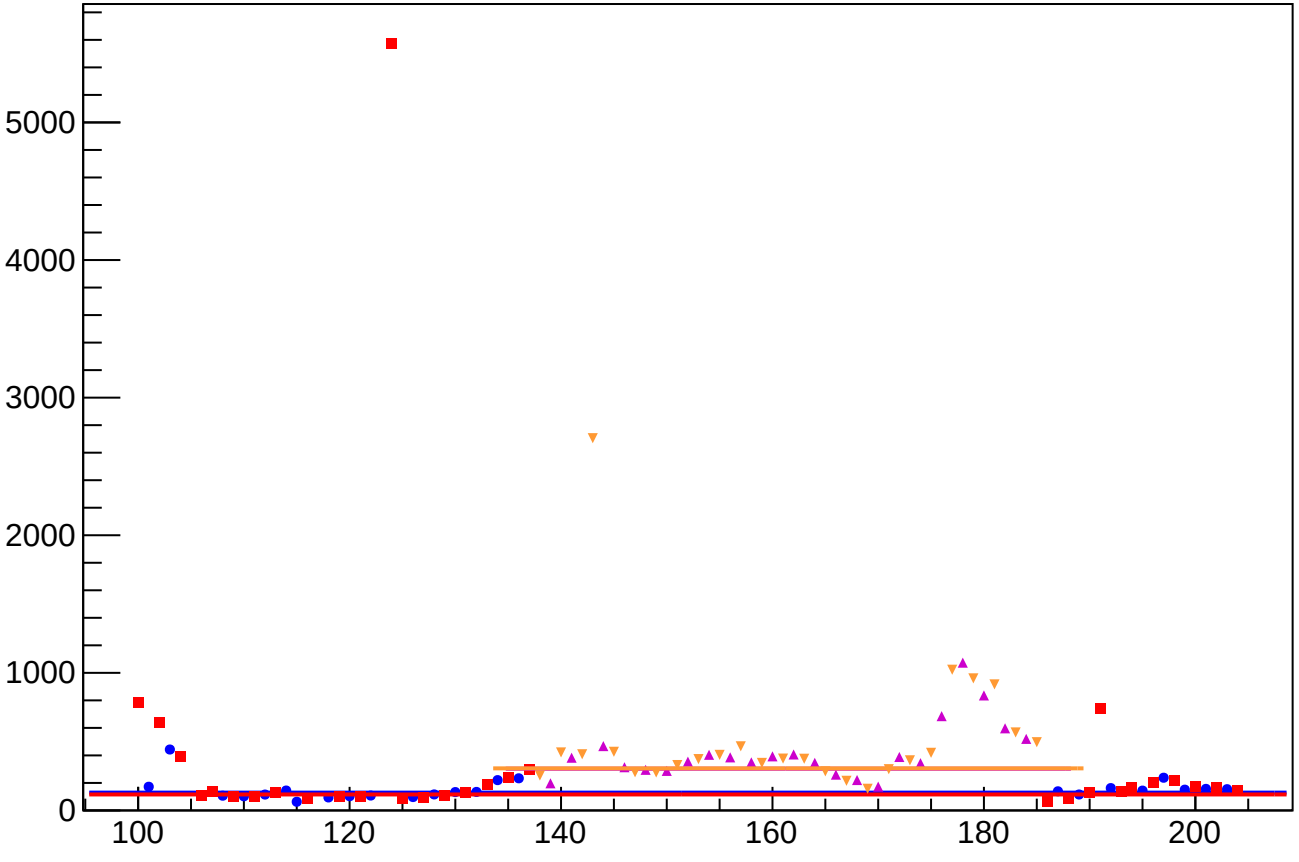
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.043+/-0.035 χ^2/NDF: 49.7/48

All: 0.023+/-0.023 χ^2/NDF: 110.9/101

- sign 0.007+/-0.031 χ^2/NDF: 60.5/52

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 129.664+/-0.027 χ^2/NDF: 2390957.9/23

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 116.283+/-0.024 χ^2/NDF: 4363983.6/29

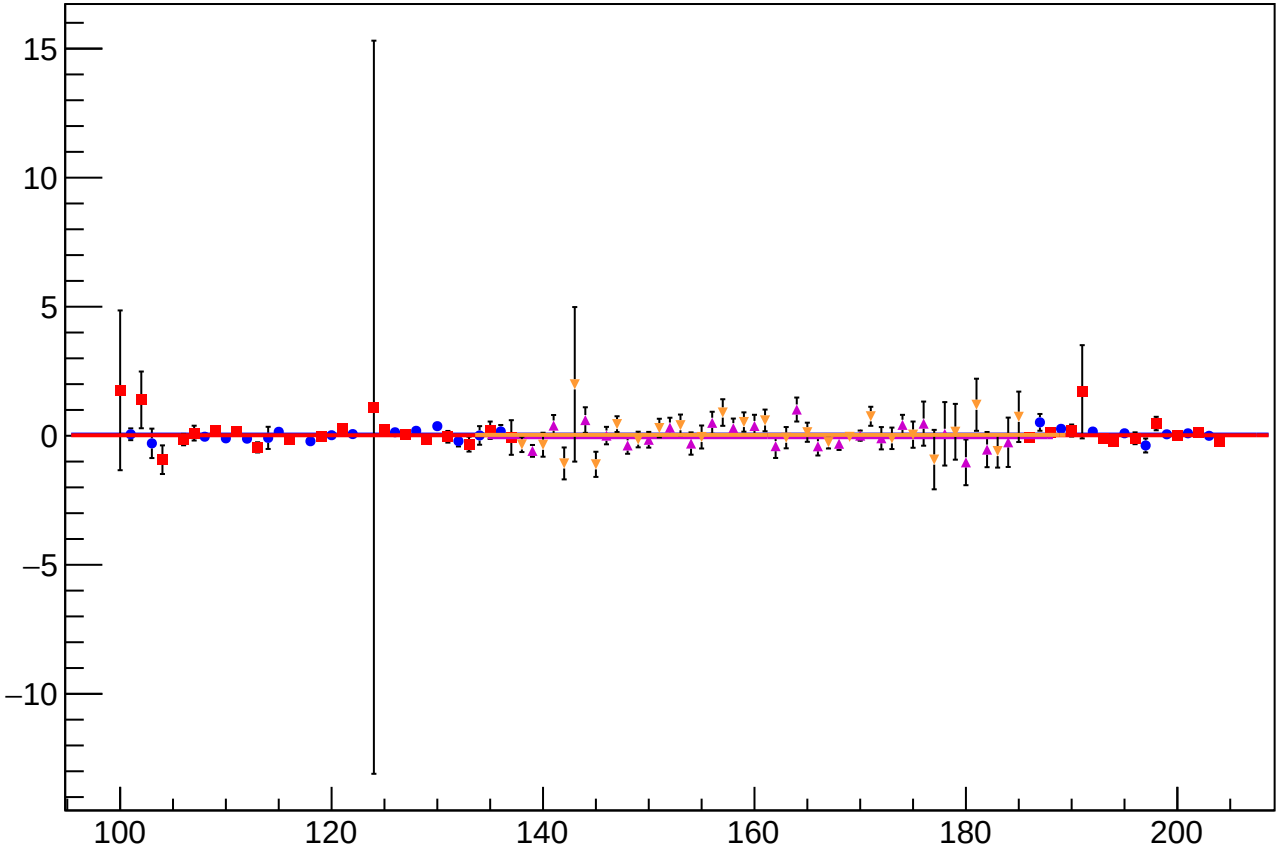
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 164.310+/-0.024 χ^2/NDF: 17247303.6/48

All: 154.272+/-0.016 χ^2/NDF: 36557225.4/10

- sign 146.225+/-0.022 χ^2/NDF: 19005760.9/52

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.046+/-0.039 χ^2/NDF: 19.3/23

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.019+/-0.034 χ^2/NDF: 33.6/29

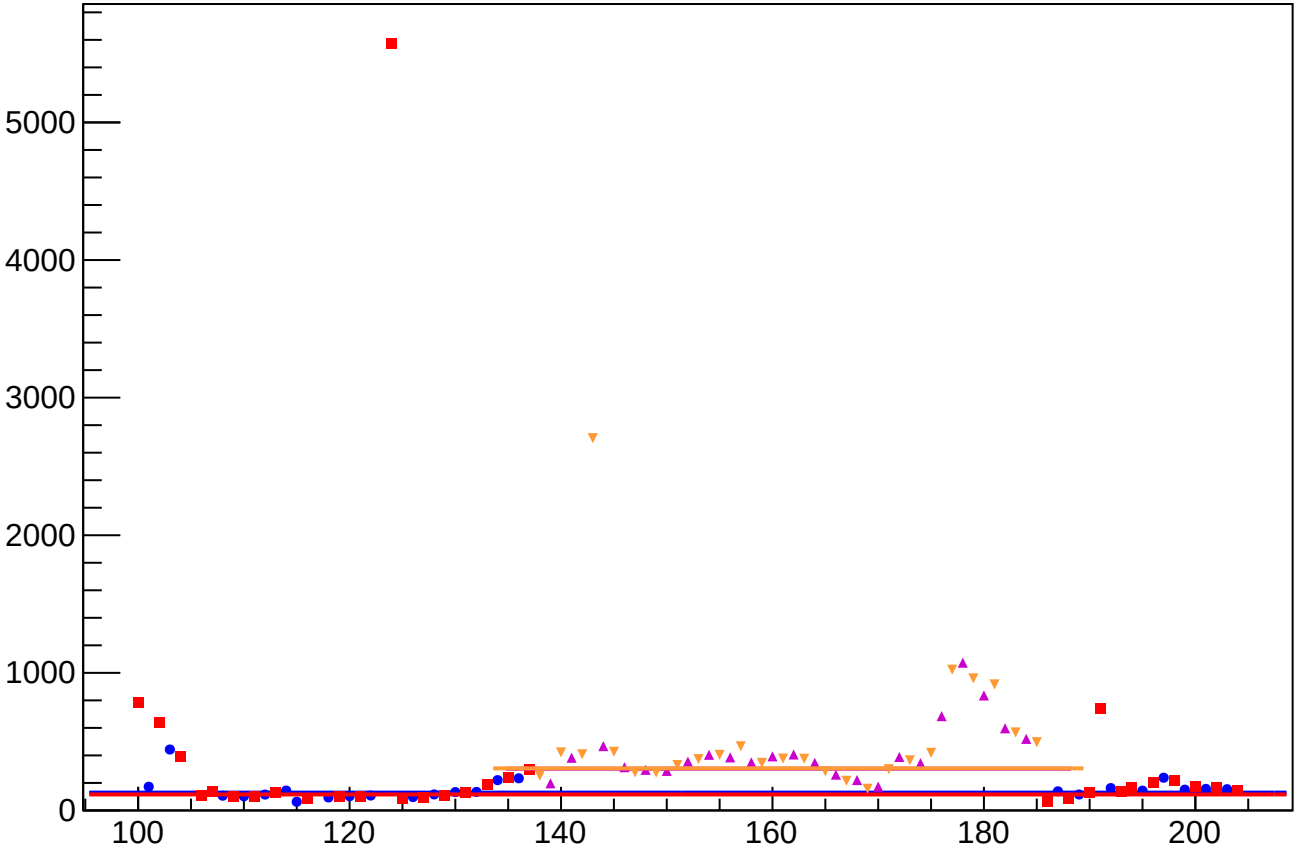
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.043+/-0.035 χ^2/NDF: 49.7/48

All: 0.023+/-0.023 χ^2/NDF: 110.9/101

- sign 0.007+/-0.031 χ^2/NDF: 60.5/52

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 129.664+/-0.027 χ^2/NDF: 2390957.9/23

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

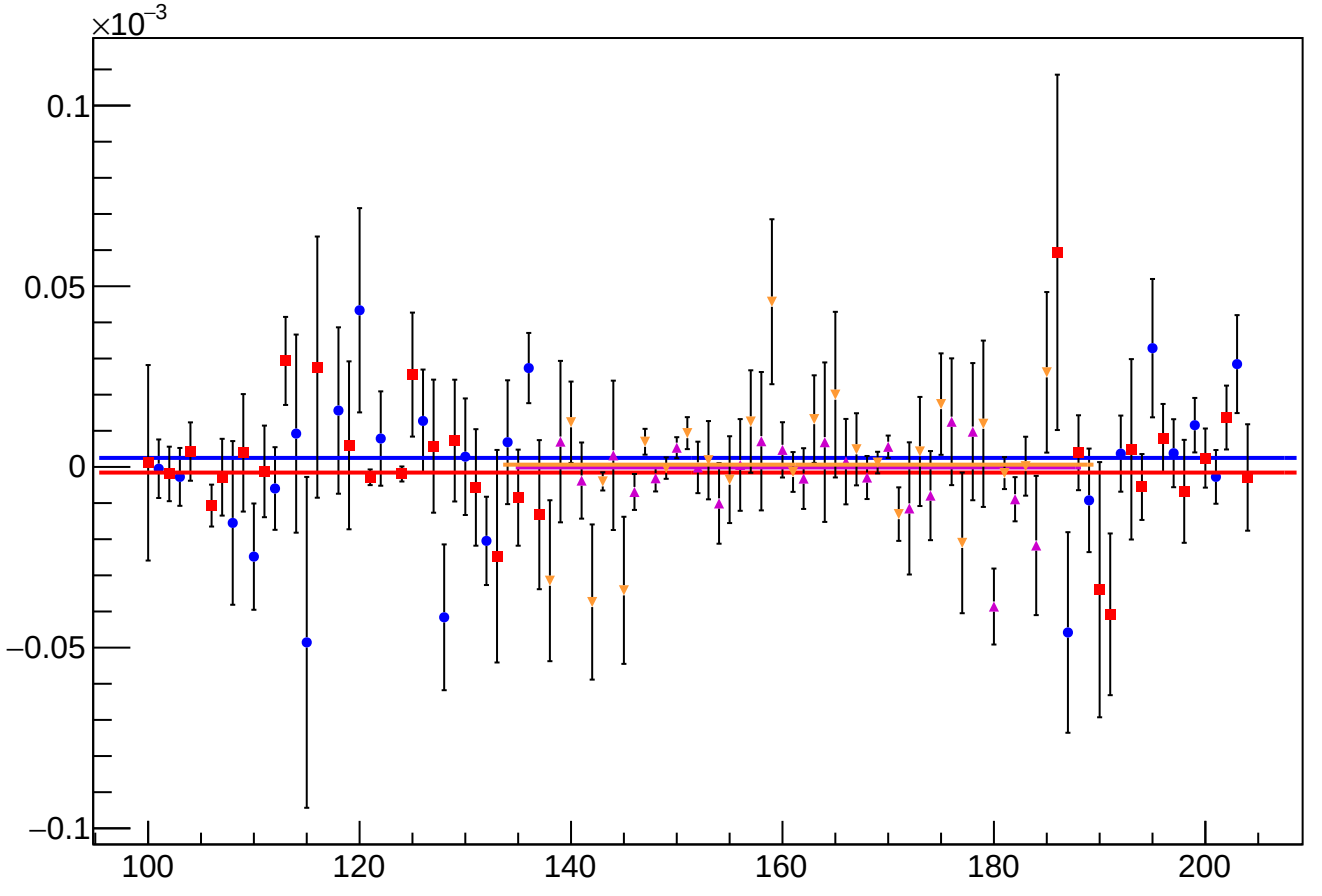
Right Out: 116.283+/-0.024 χ^2/NDF: 4363983.6/29

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 164.310+/-0.024 χ^2/NDF: 17247303.6/48

All: 154.272+/-0.016 χ^2/NDF: 36557225.4/10

- sign 146.225+/-0.022 χ^2/NDF: 19005760.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 36.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/29

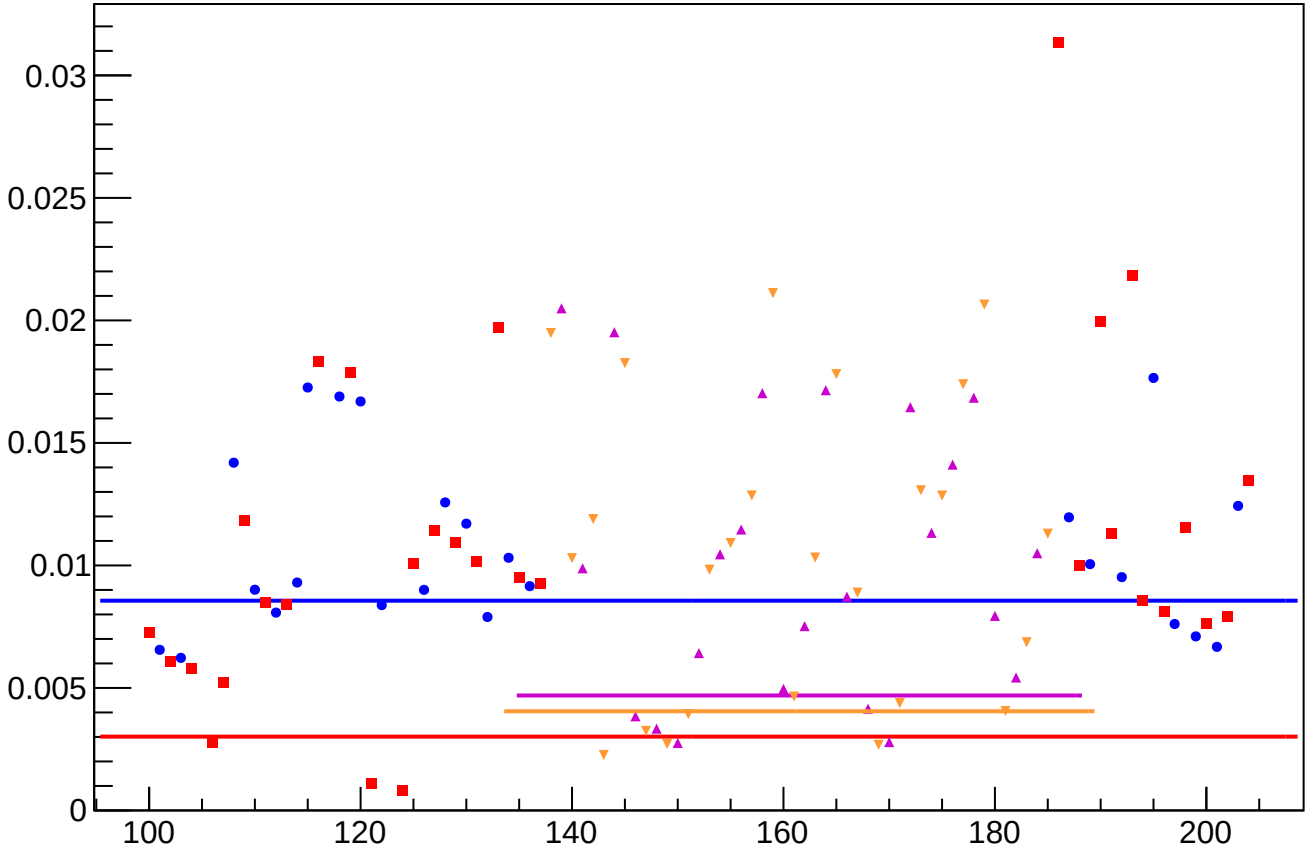
Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.4/48

All: -0.000+/-0.000 χ^2/NDF: 128.9/101

- sign -0.000+/-0.000 χ^2/NDF: 55.7/52

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 2020623.8/23

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 17659690.2/29

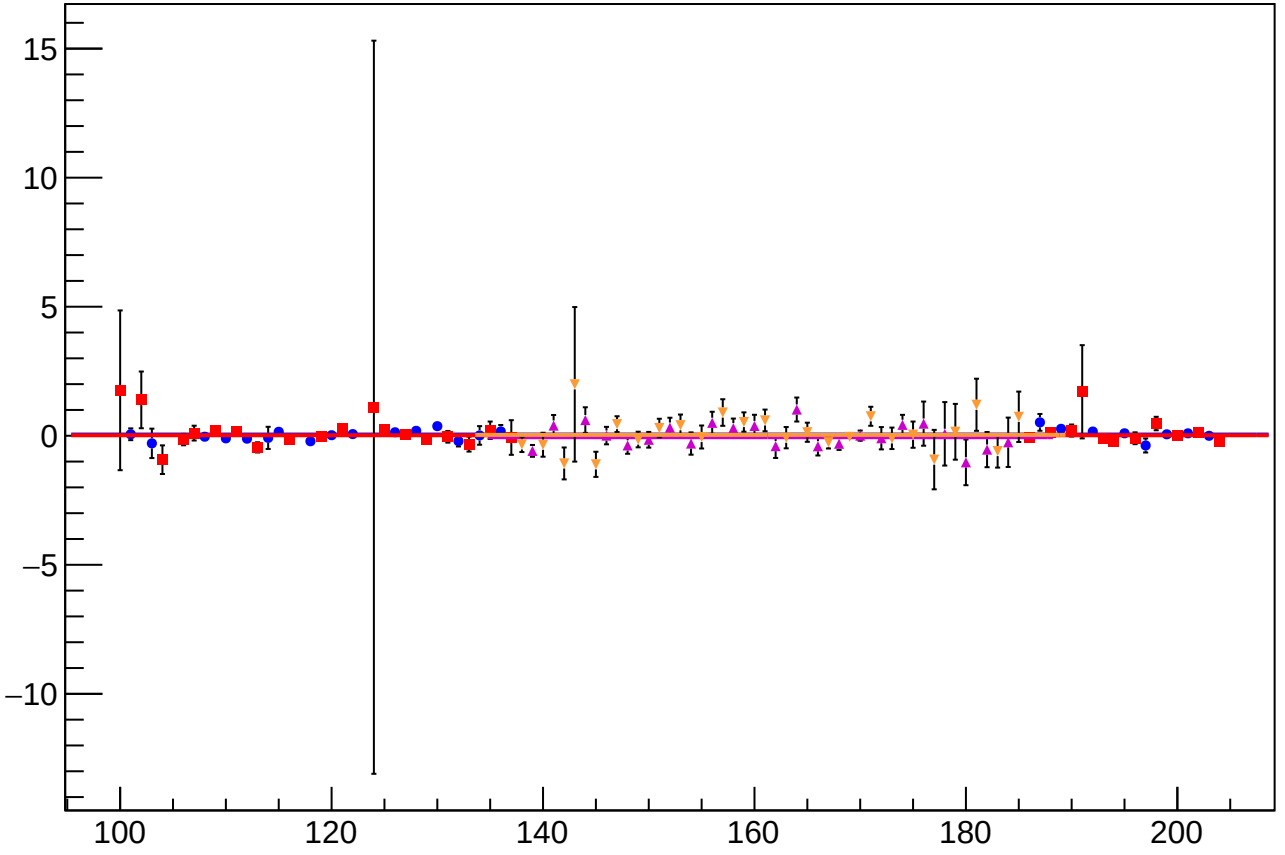
Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 20829751.4/48

All: 0.004+/-0.000 χ^2/NDF: 52165263.3/101

- sign 0.004+/-0.000 χ^2/NDF: 30110772.4/52

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.046+/-0.039 χ^2/NDF: 19.3/23

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.019+/-0.034 χ^2/NDF: 33.6/29

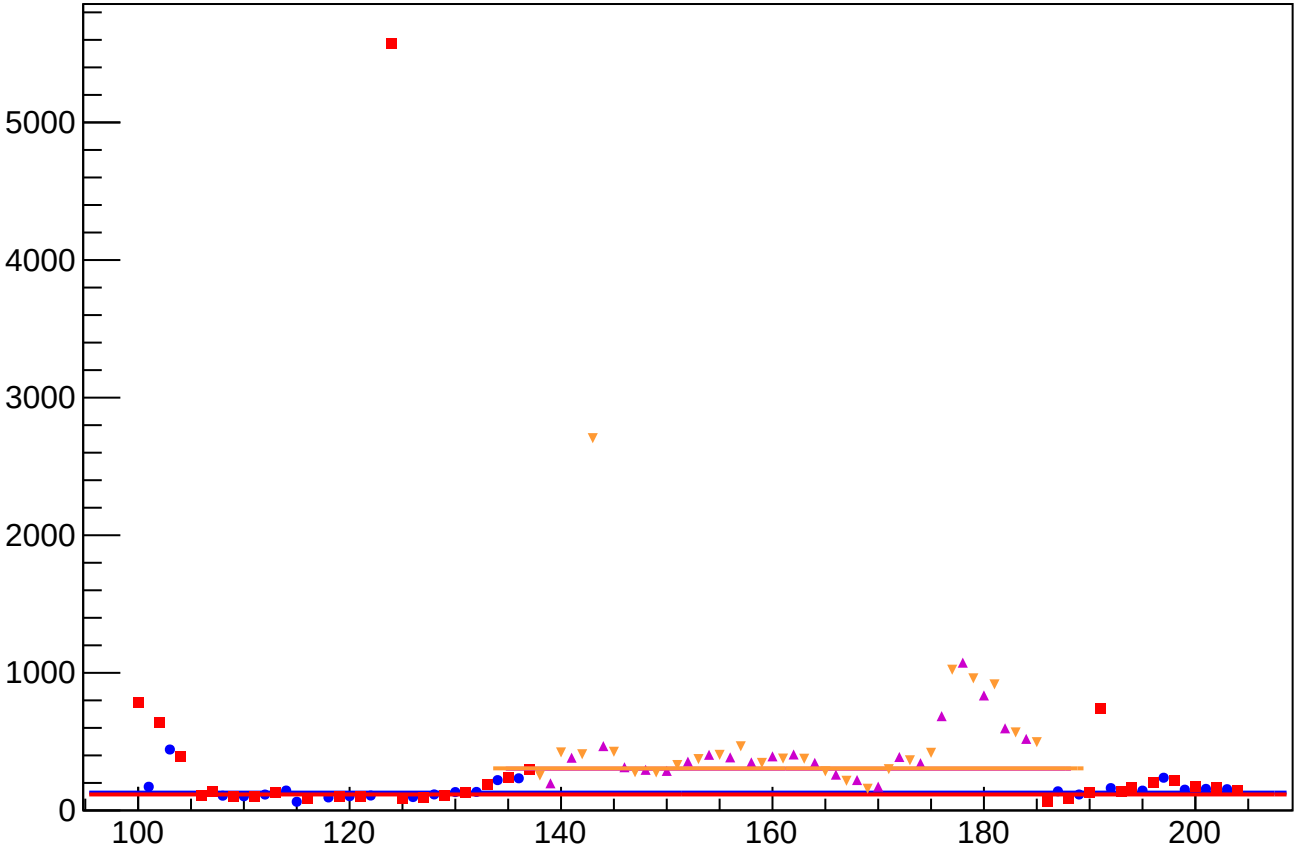
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.043+/-0.035 χ^2/NDF: 49.7/48

All: 0.023+/-0.023 χ^2/NDF: 110.9/101

- sign 0.007+/-0.031 χ^2/NDF: 60.5/52

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 129.664+/-0.027 χ^2/NDF: 2390941.8/23

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

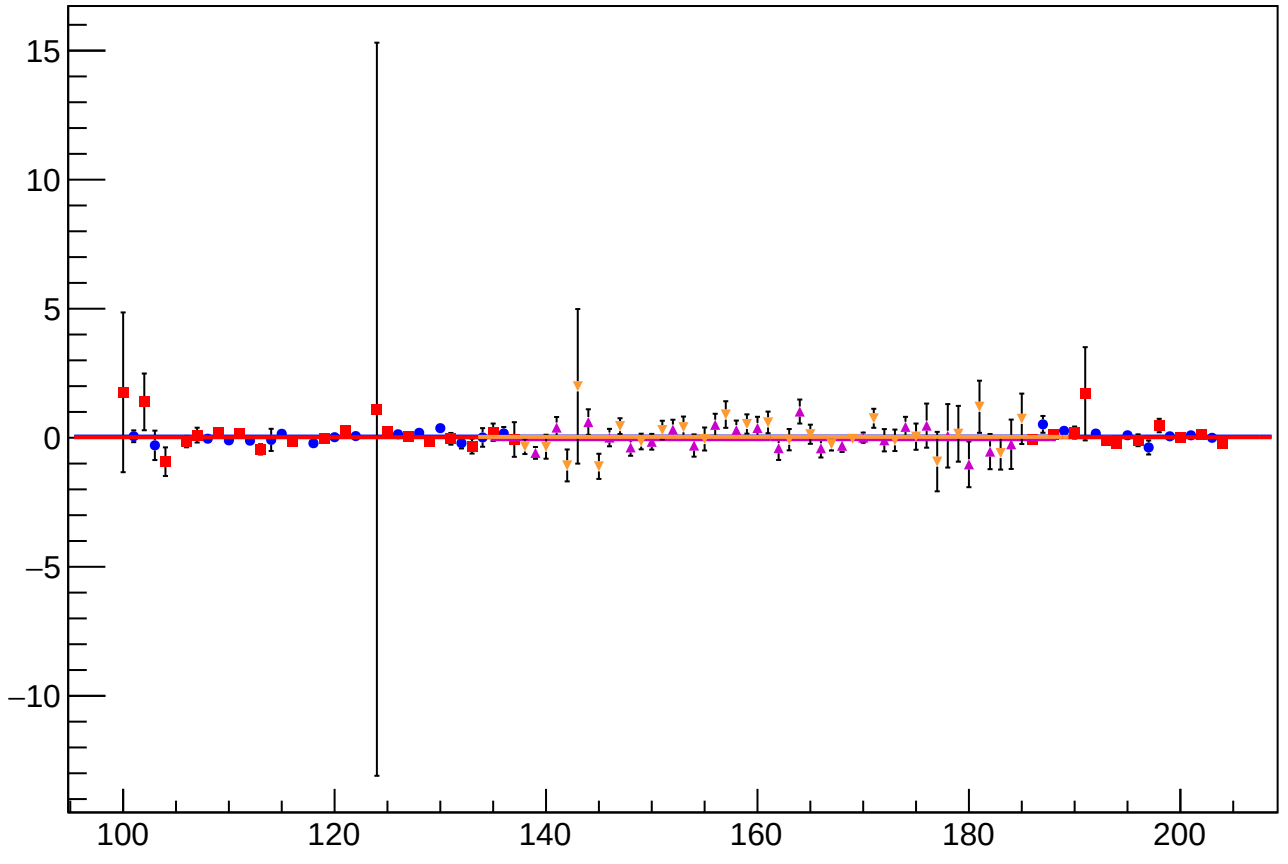
Right Out: 116.284+/-0.024 χ^2/NDF: 4363798.2/29

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 164.311+/-0.024 χ^2/NDF: 17247373.8/48

All: 154.273+/-0.016 χ^2/NDF: 36557105.6/10

- sign 146.226+/-0.022 χ^2/NDF: 19005589.2/52



Right In: 0.046+/-0.039 χ^2/NDF: 19.3/23

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

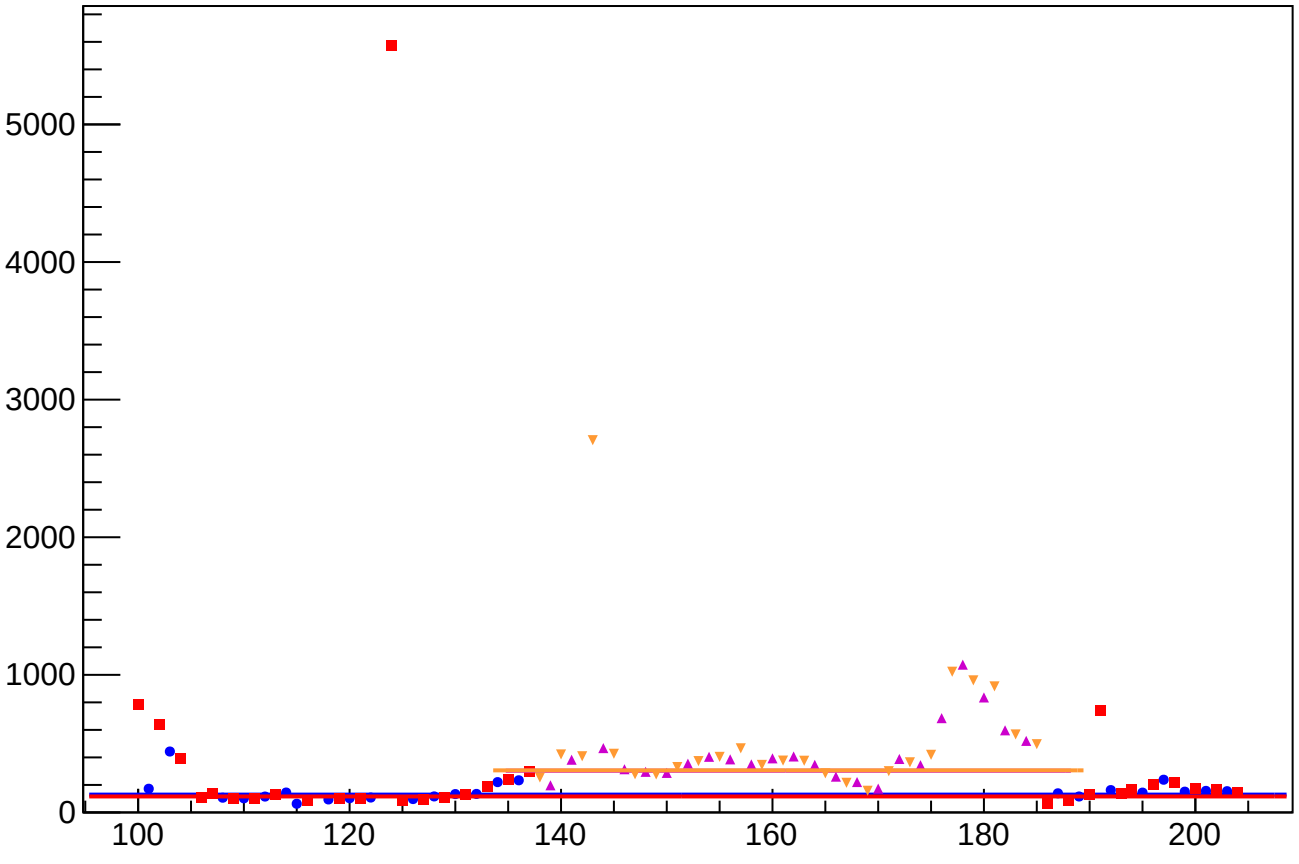
Right Out: 0.019+/-0.034 χ^2/NDF: 33.6/29

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.043+/-0.035 χ^2/NDF: 49.7/48

All: 0.023+/-0.023 χ^2/NDF: 110.9/101

- sign 0.007+/-0.031 χ^2/NDF: 60.5/52



Right In: 129.664+/-0.027 χ^2/NDF: 2390941.8/23

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

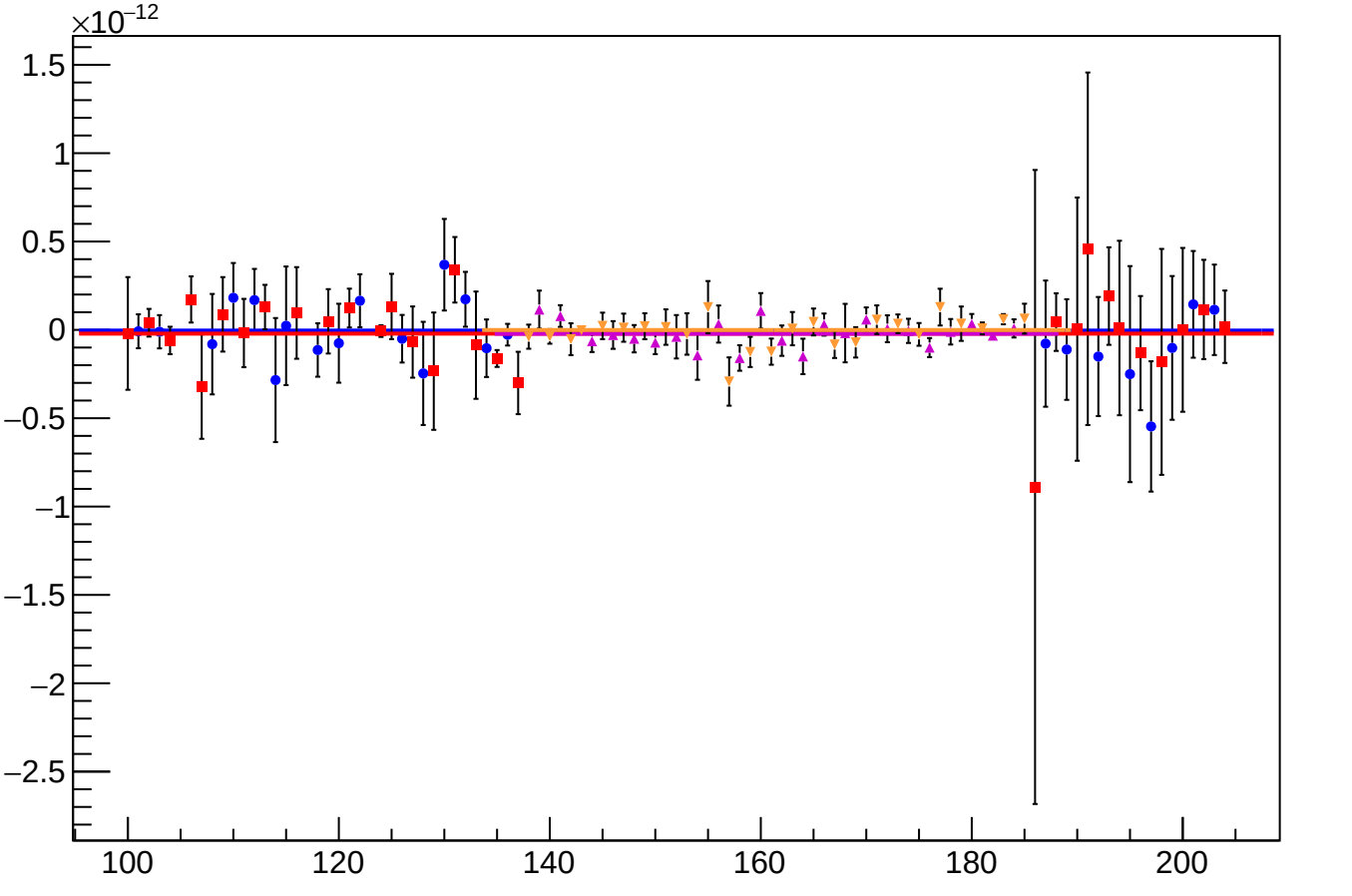
Right Out: 116.284+/-0.024 χ^2/NDF: 4363798.2/29

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 164.311+/-0.024 χ^2/NDF: 17247373.8/48

All: 154.273+/-0.016 χ^2/NDF: 36557105.6/10

- sign 146.226+/-0.022 χ^2/NDF: 19005589.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 12.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

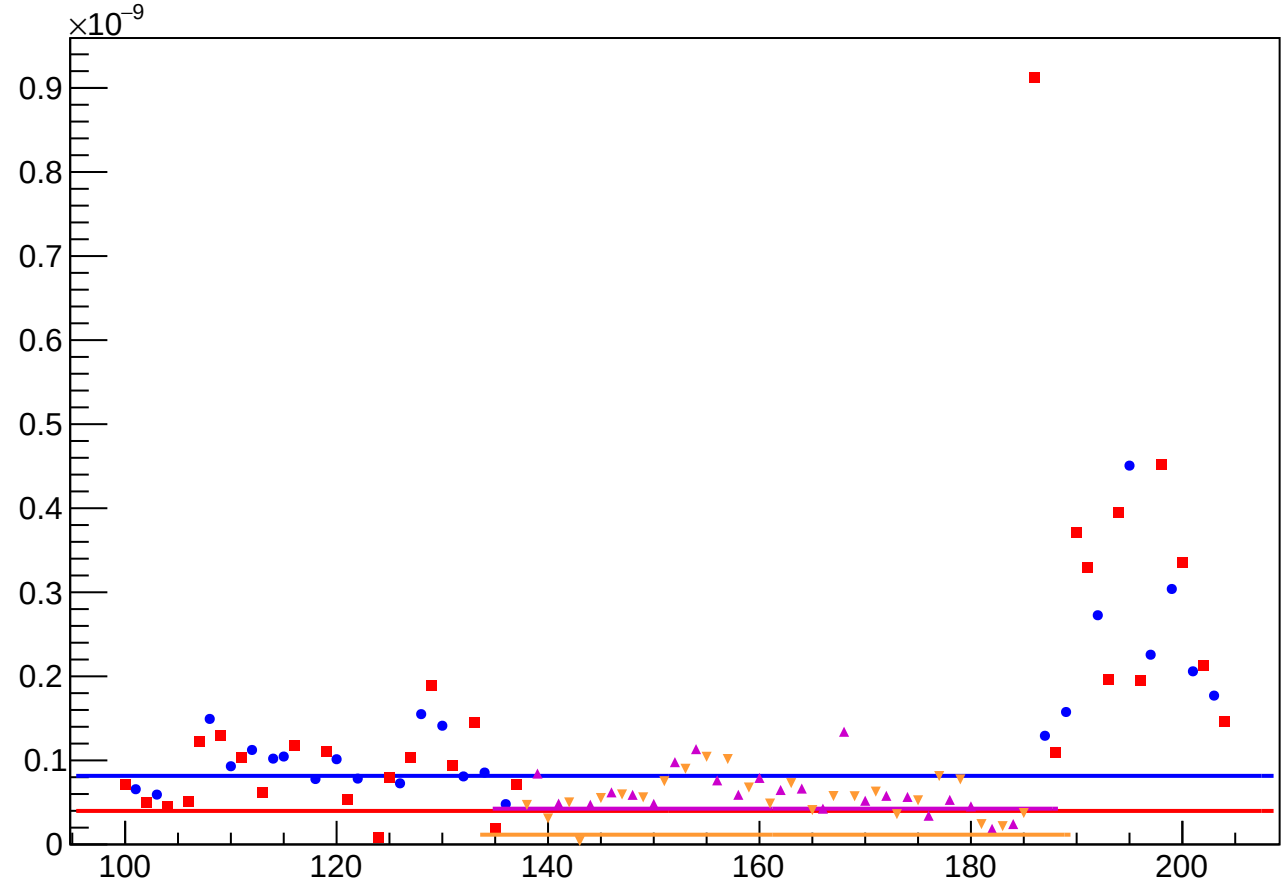
Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/29

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.4/48

All: -0.000+/-0.000 χ^2/NDF: 82.6/101

- sign -0.000+/-0.000 χ^2/NDF: 45.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 4295394.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11169206.1/29

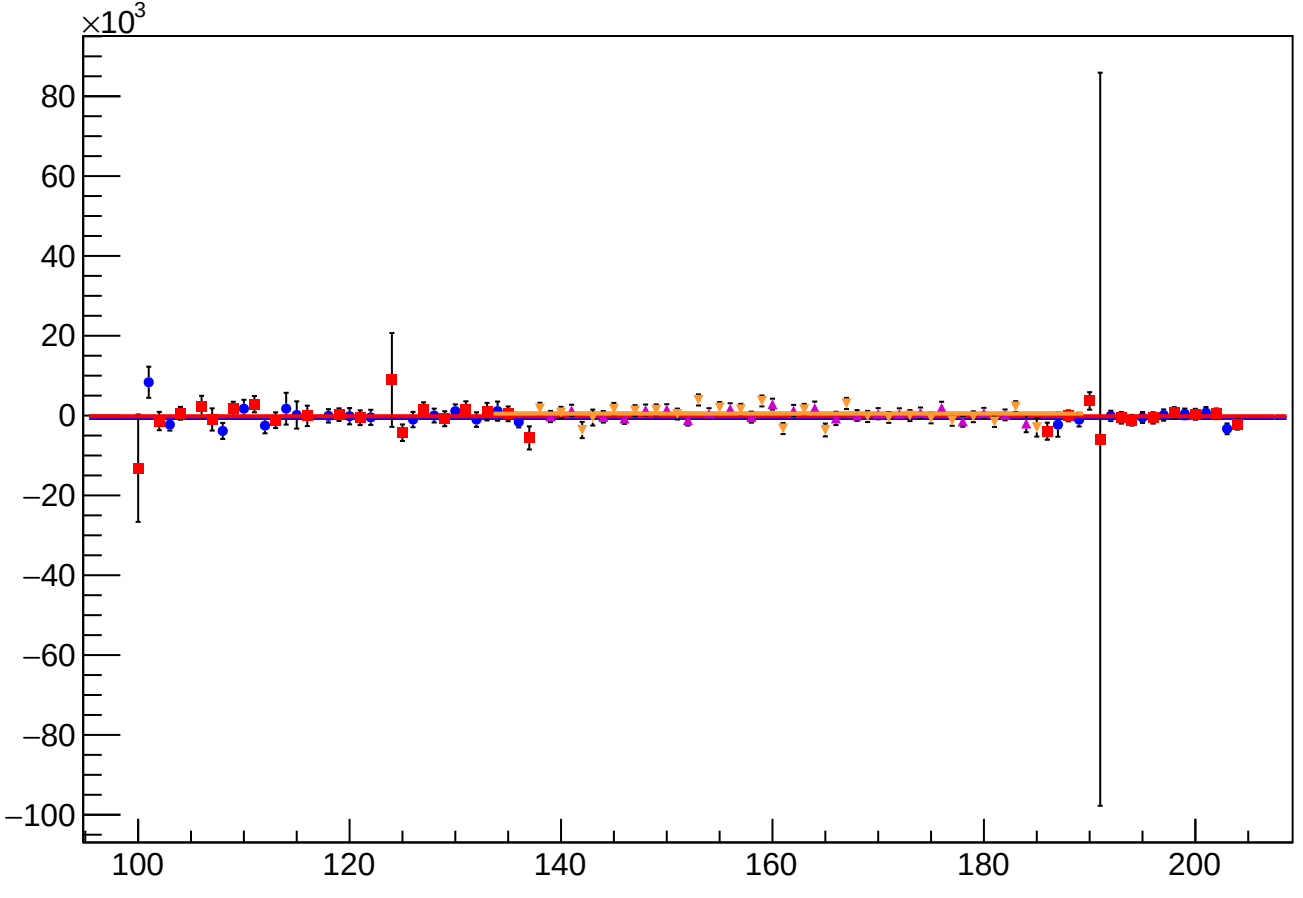
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30838000.3/48

All: 0.000+/-0.000 χ^2/NDF: 57302576.0/101

- sign 0.000+/-0.000 χ^2/NDF: 16612183.1/52

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -598.215+/-357.099 χ^2/NDF: 20.2/23

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -157.833+/-336.785 χ^2/NDF: 25.7/29

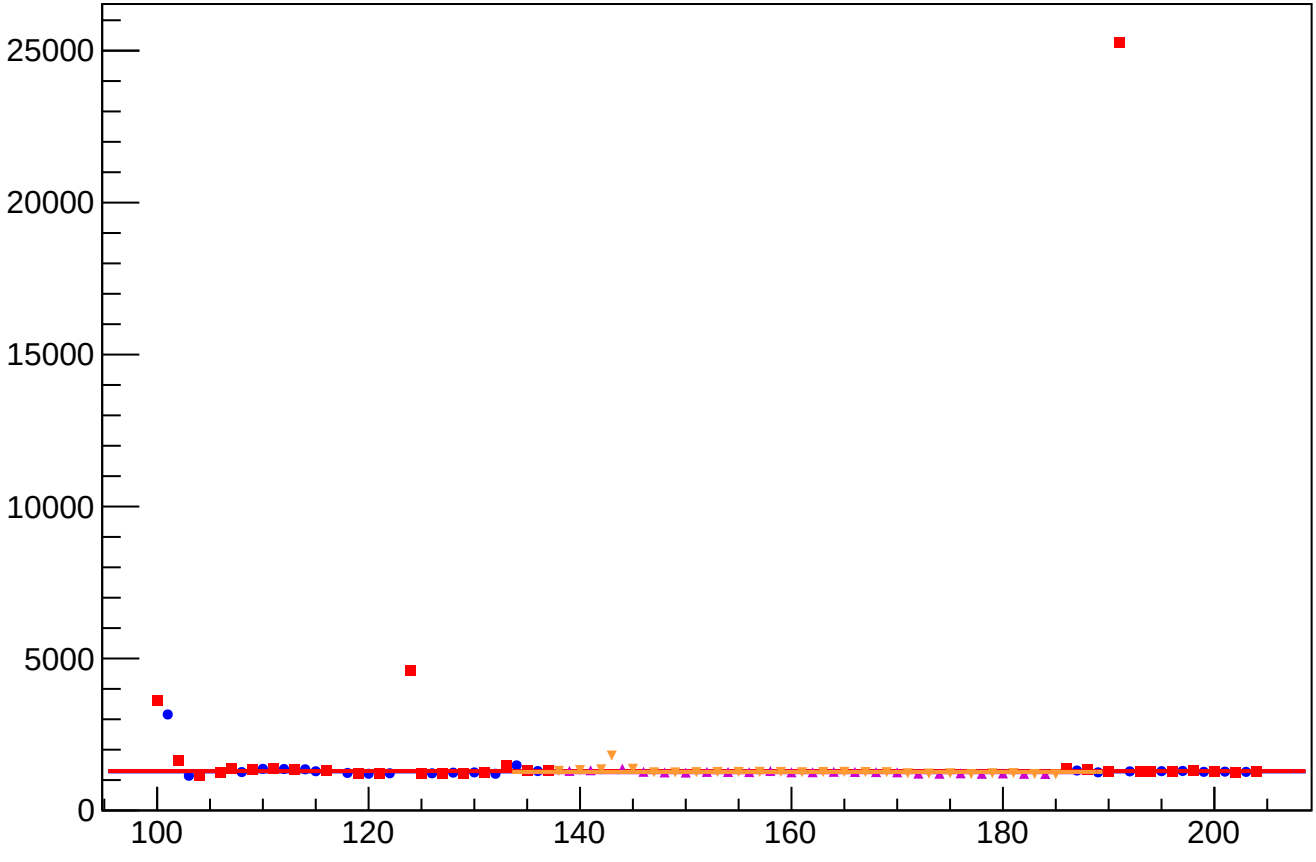
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 61.488+/-224.411 χ^2/NDF: 72.7/48

All: 135.875+/-157.601 χ^2/NDF: 115.2/101

- sign 208.269+/-221.382 χ^2/NDF: 42.2/52

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1285.301+/-0.253 χ^2/NDF: 516525.6/23

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

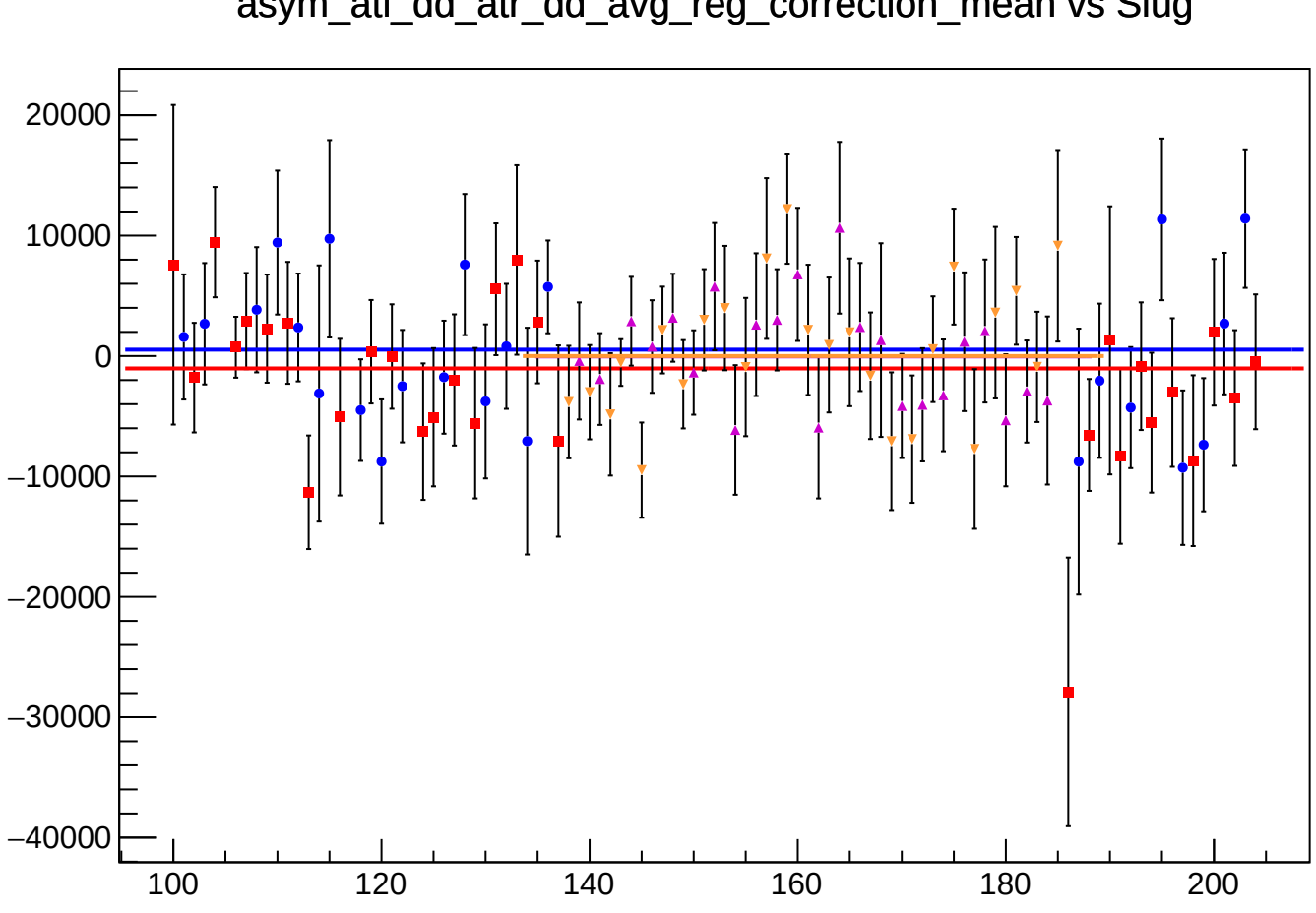
Right Out: 1295.521+/-0.238 χ^2/NDF: 468116.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.208+/-0.159 χ^2/NDF: 707260.8/48

All: 1274.093+/-0.111 χ^2/NDF: 1226652.1/10

- sign 1273.981+/-0.156 χ^2/NDF: 519390.2/52



Right In: 528.534+/-1132.348 χ^2/NDF: 26.6/23

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

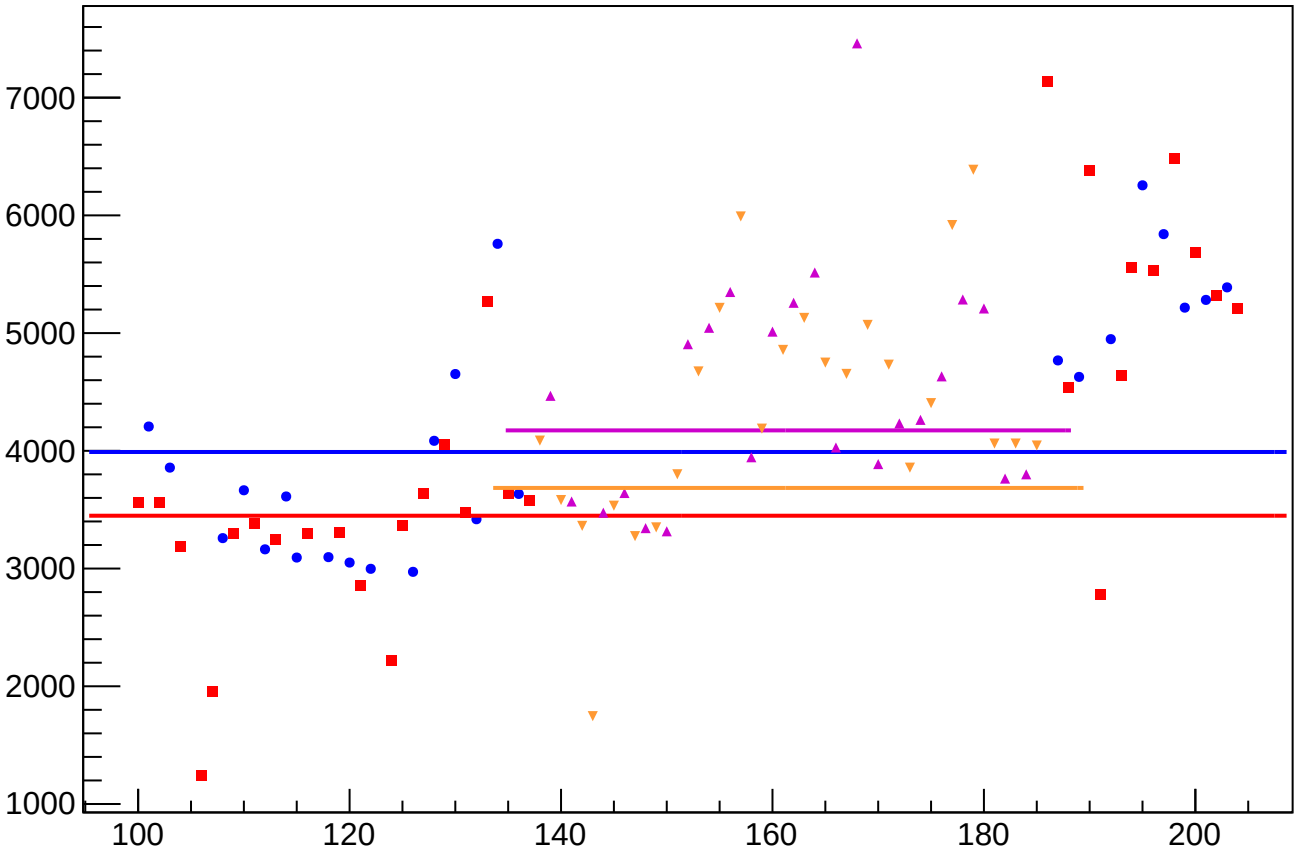
Right Out: -1033.051+/-956.478 χ^2/NDF: 29.9/29

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 200.466+/-698.023 χ^2/NDF: 55.8/48

All: -180.430+/-490.595 χ^2/NDF: 100.8/101

- sign -552.258+/-689.664 χ^2/NDF: 44.5/52



Right In: 3990.167+/-0.801 χ^2/NDF: 1429193.0/23

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3448.723+/-0.676 χ^2/NDF: 4215986.4/29

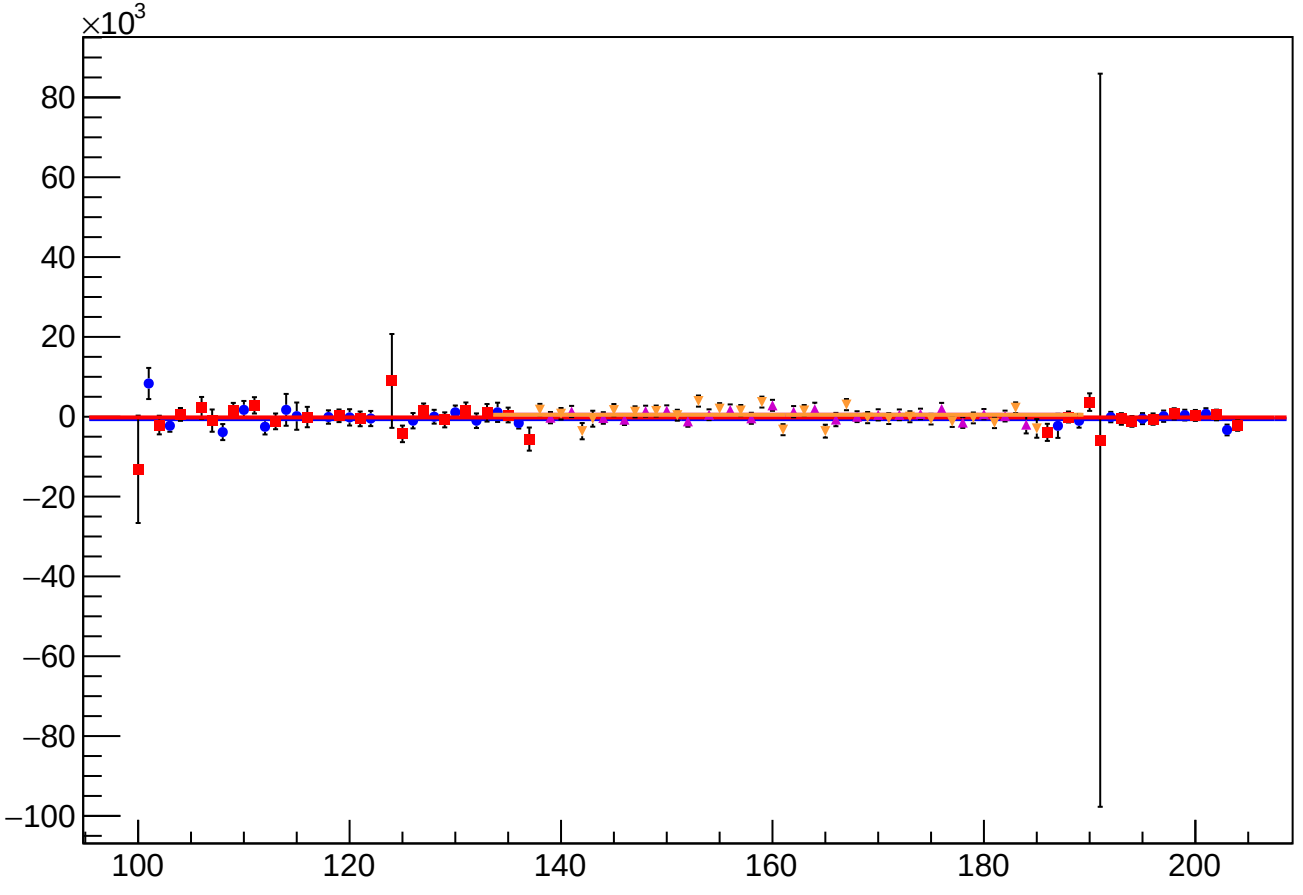
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3800.819+/-0.494 χ^2/NDF: 5213037.9/48

All: 3798.740+/-0.347 χ^2/NDF: 11255447.4/1

\- sign 3796.710+/-0.488 χ^2/NDF: 6042374.4/52

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

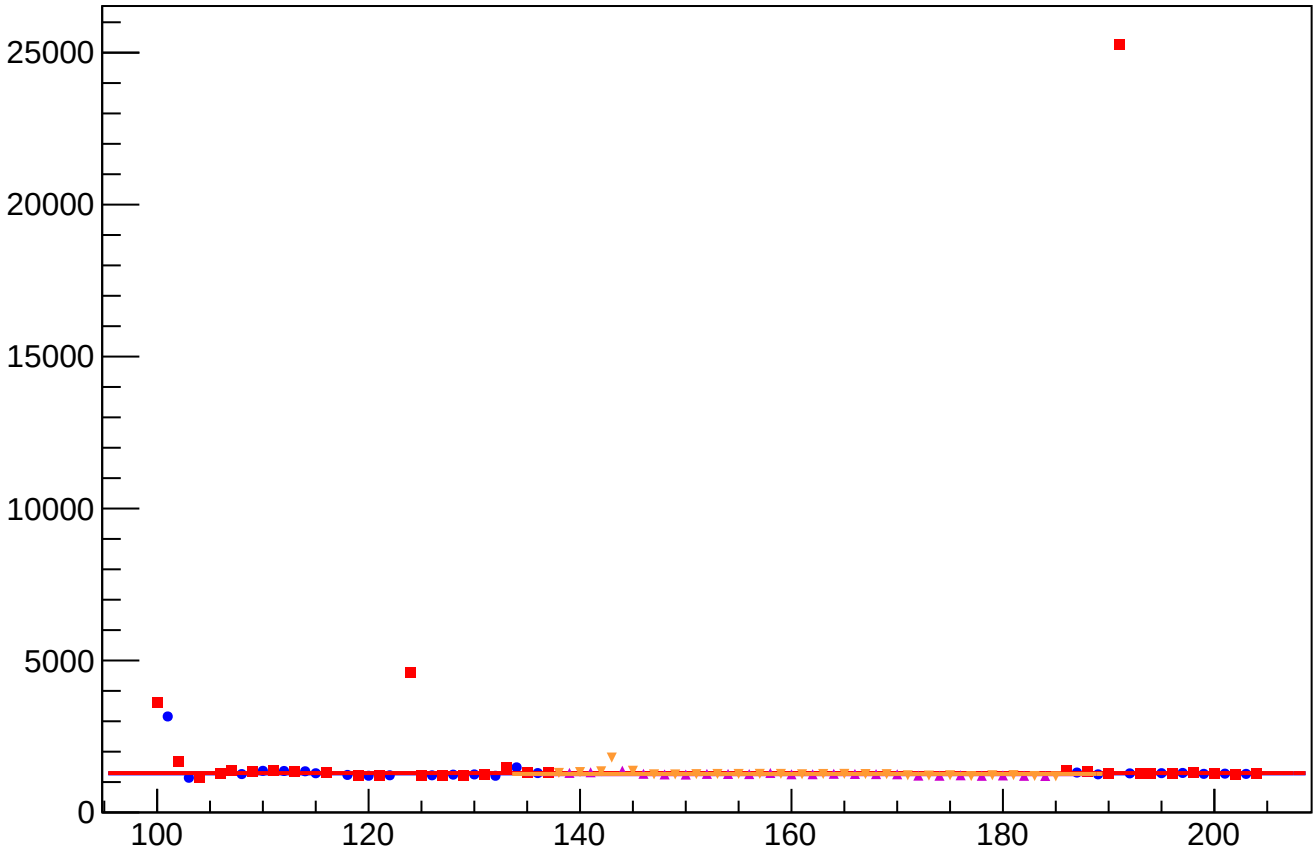
Right Out: -171.779+/-336.892 χ^2/NDF: 26.1/29

Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.429+/-224.411 χ^2/NDF: 72.7/48

All: 132.806+/-157.612 χ^2/NDF: 115.6/101

- sign 202.287+/-221.413 χ^2/NDF: 42.7/52



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

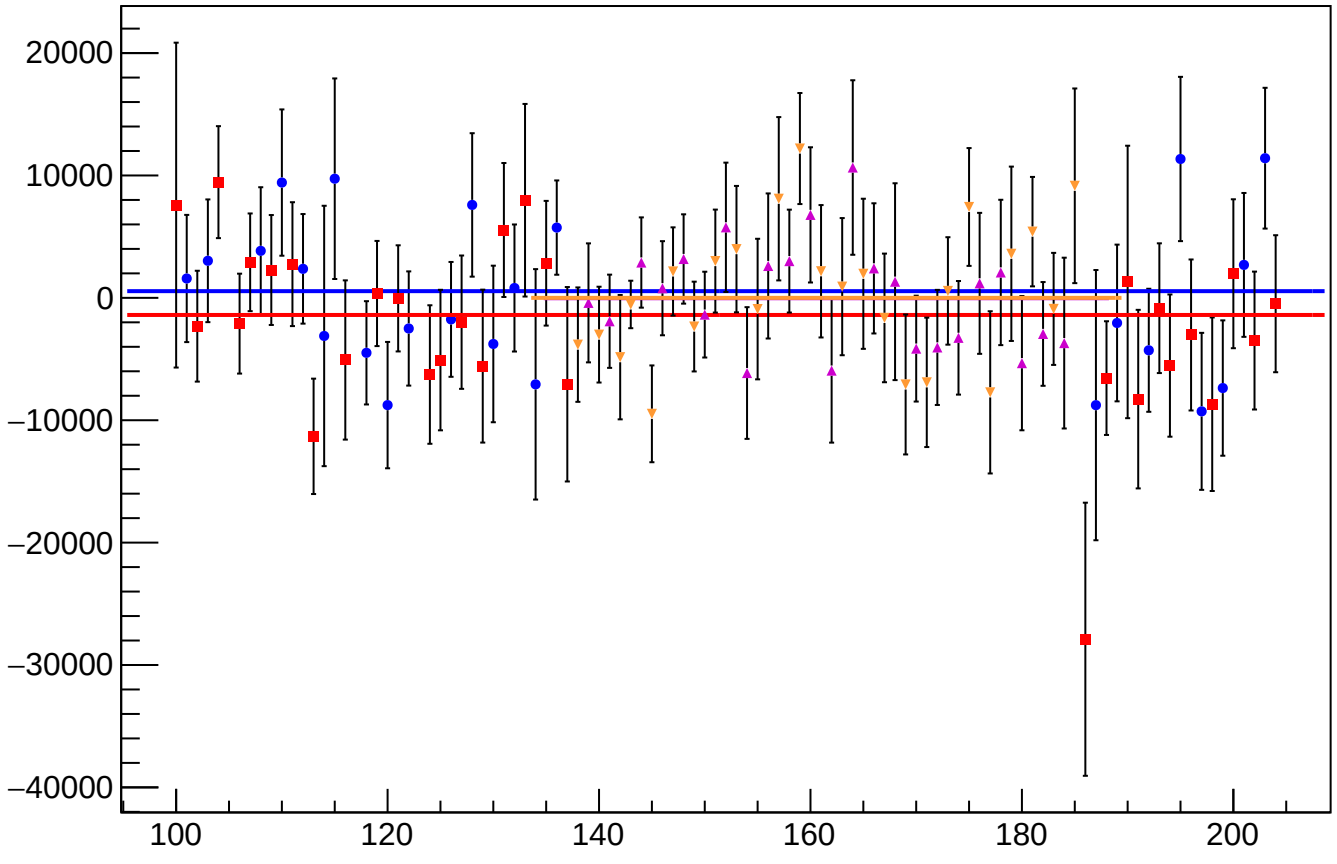
Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.208+/-0.159 χ^2/NDF: 707262.2/48

All: 1274.298+/-0.111 χ^2/NDF: 1234042.6/10

- sign 1274.385+/-0.157 χ^2/NDF: 526779.8/52



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

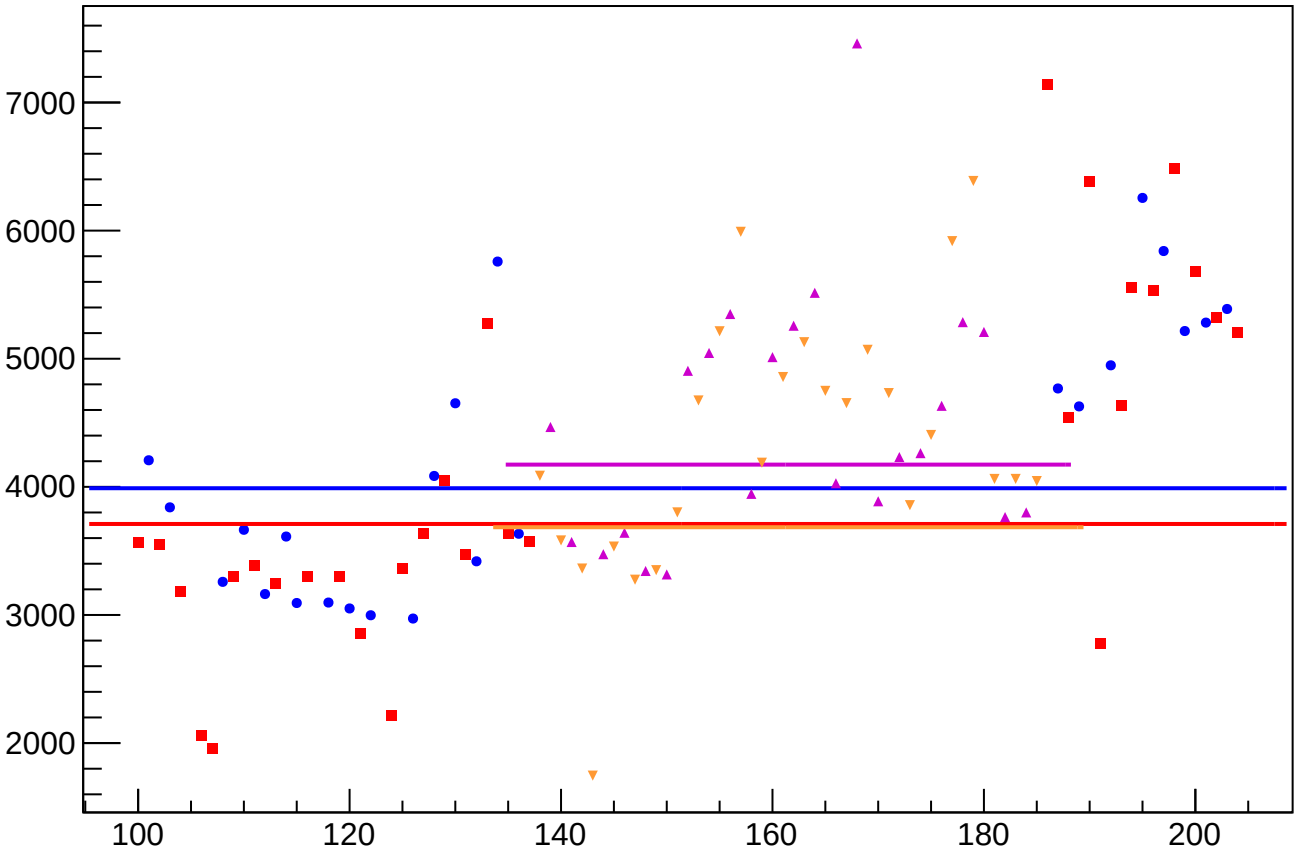
Right Out: -1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 207.773+/-697.956 χ^2/NDF: 55.8/48

All: -246.303+/-496.320 χ^2/NDF: 101.1/101

- sign -710.796+/-705.917 χ^2/NDF: 44.4/52



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

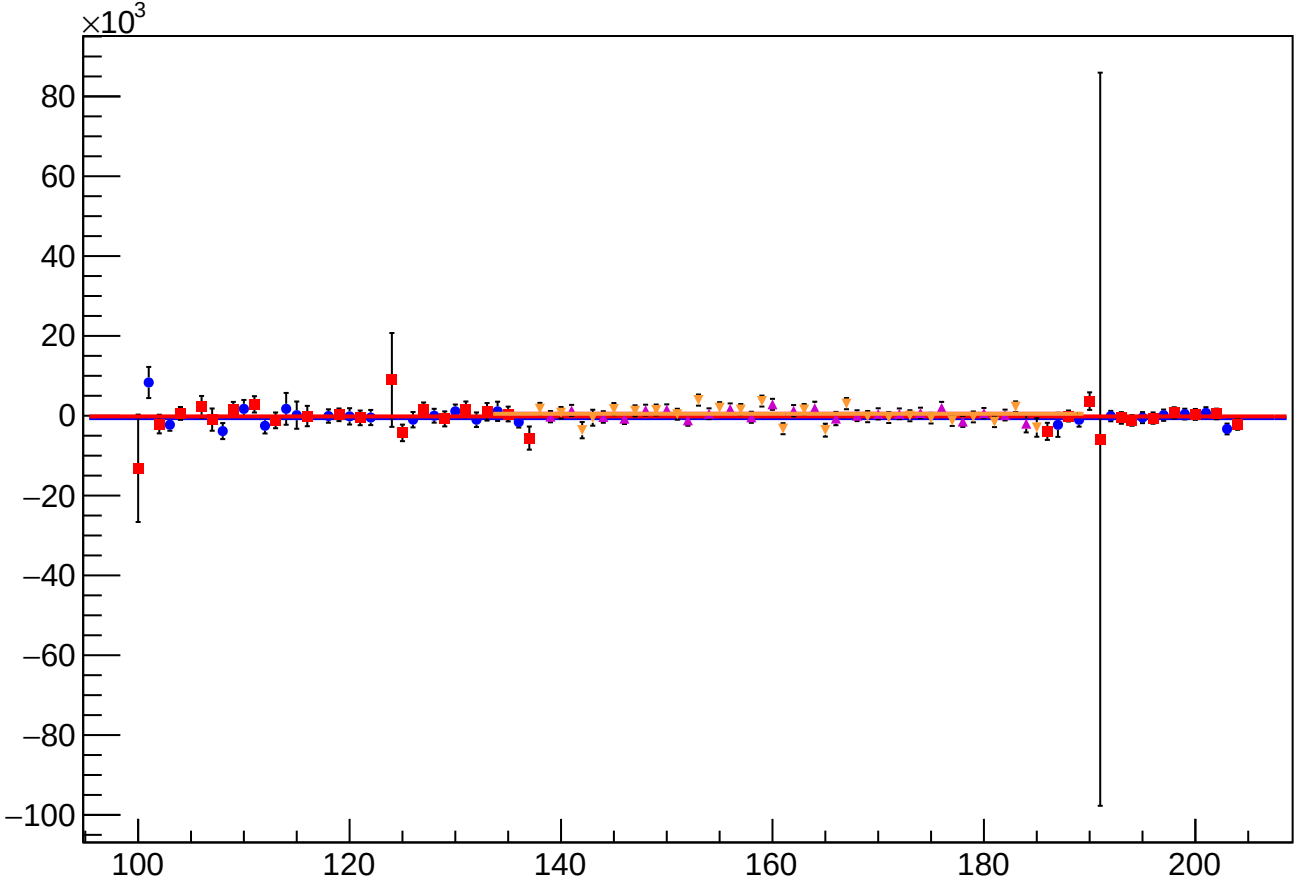
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3800.505+/-0.494 χ^2/NDF: 5213017.0/48

All: 3871.093+/-0.351 χ^2/NDF: 9532392.7/10

- sign 3943.300+/-0.499 χ^2/NDF: 4277993.1/52

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -171.779+/-336.892 χ^2/NDF: 26.1/29

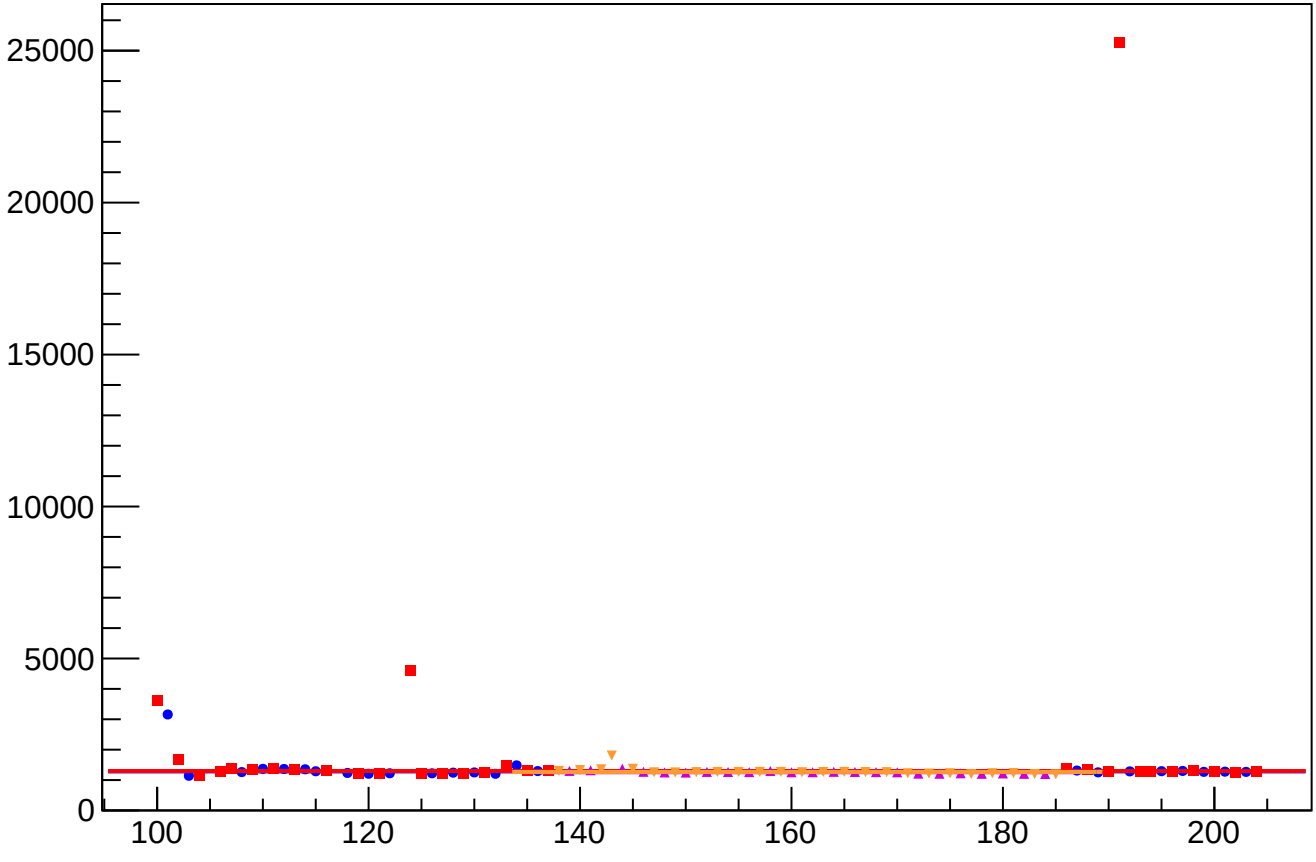
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.429+/-224.411 χ^2/NDF: 72.7/48

All: 132.806+/-157.612 χ^2/NDF: 115.6/101

- sign 202.287+/-221.413 χ^2/NDF: 42.7/52

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

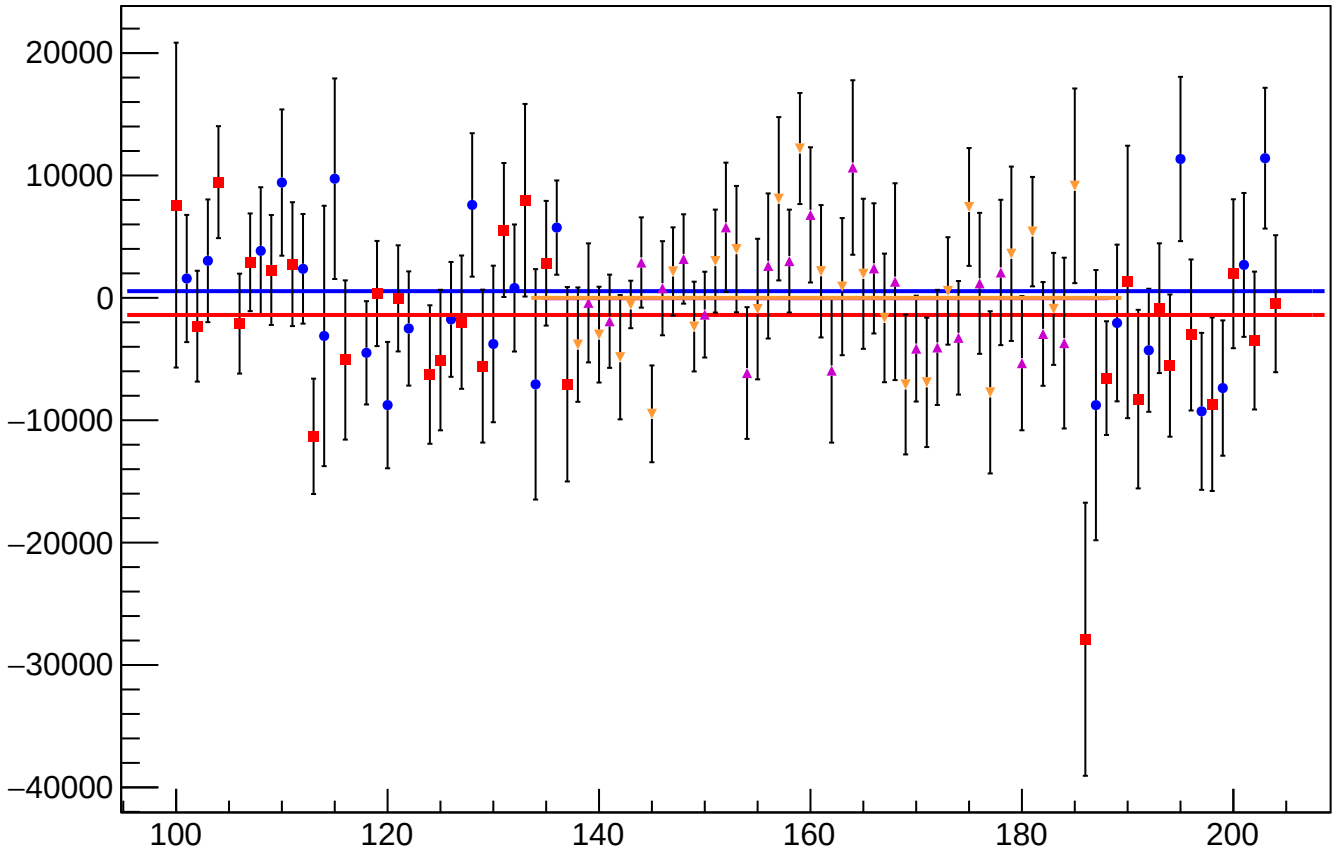
Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.208+/-0.159 χ^2/NDF: 707262.2/48

All: 1274.298+/-0.111 χ^2/NDF: 1234042.6/10

- sign 1274.385+/-0.157 χ^2/NDF: 526779.8/52



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

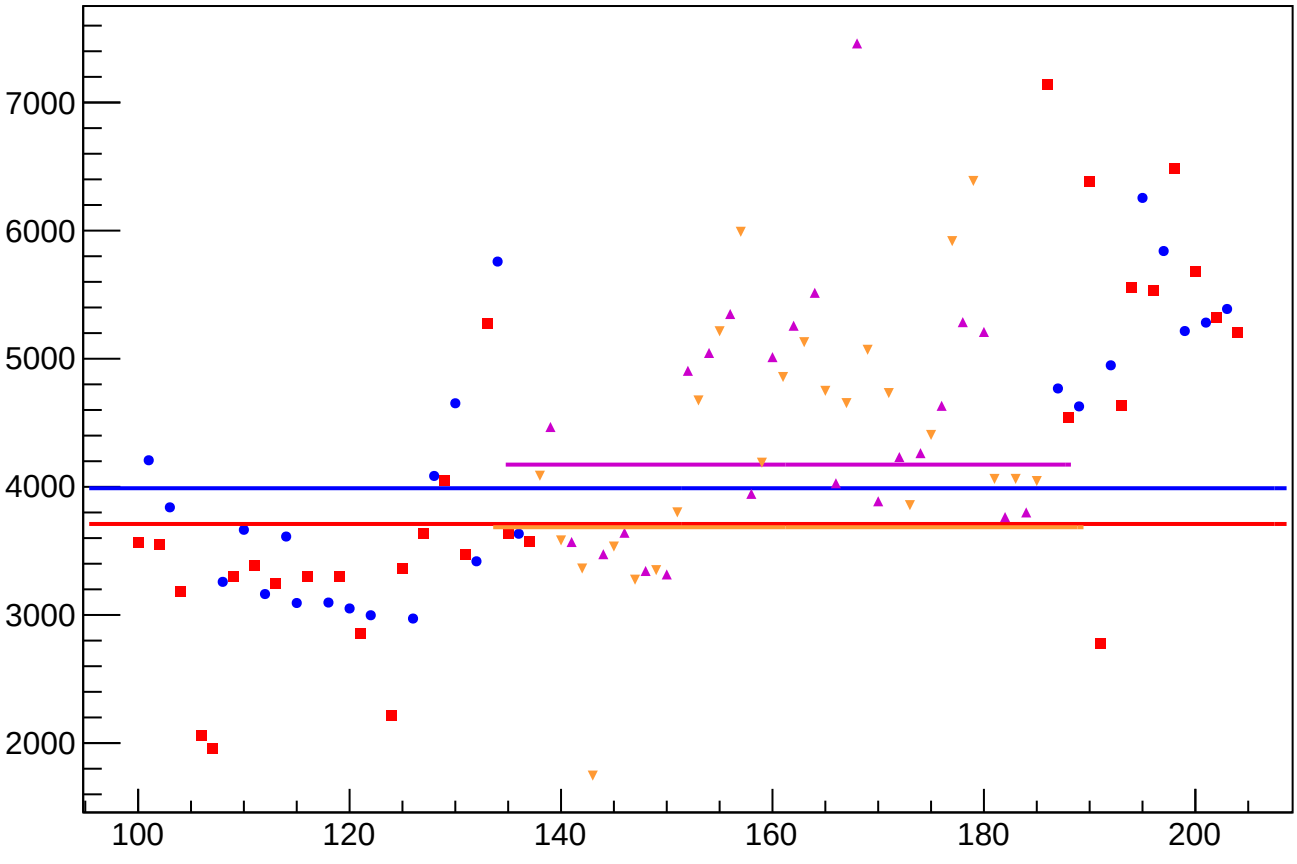
Right Out: -1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 207.773+/-697.956 χ^2/NDF: 55.8/48

All: -246.303+/-496.320 χ^2/NDF: 101.1/101

- sign -710.796+/-705.917 χ^2/NDF: 44.4/52



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

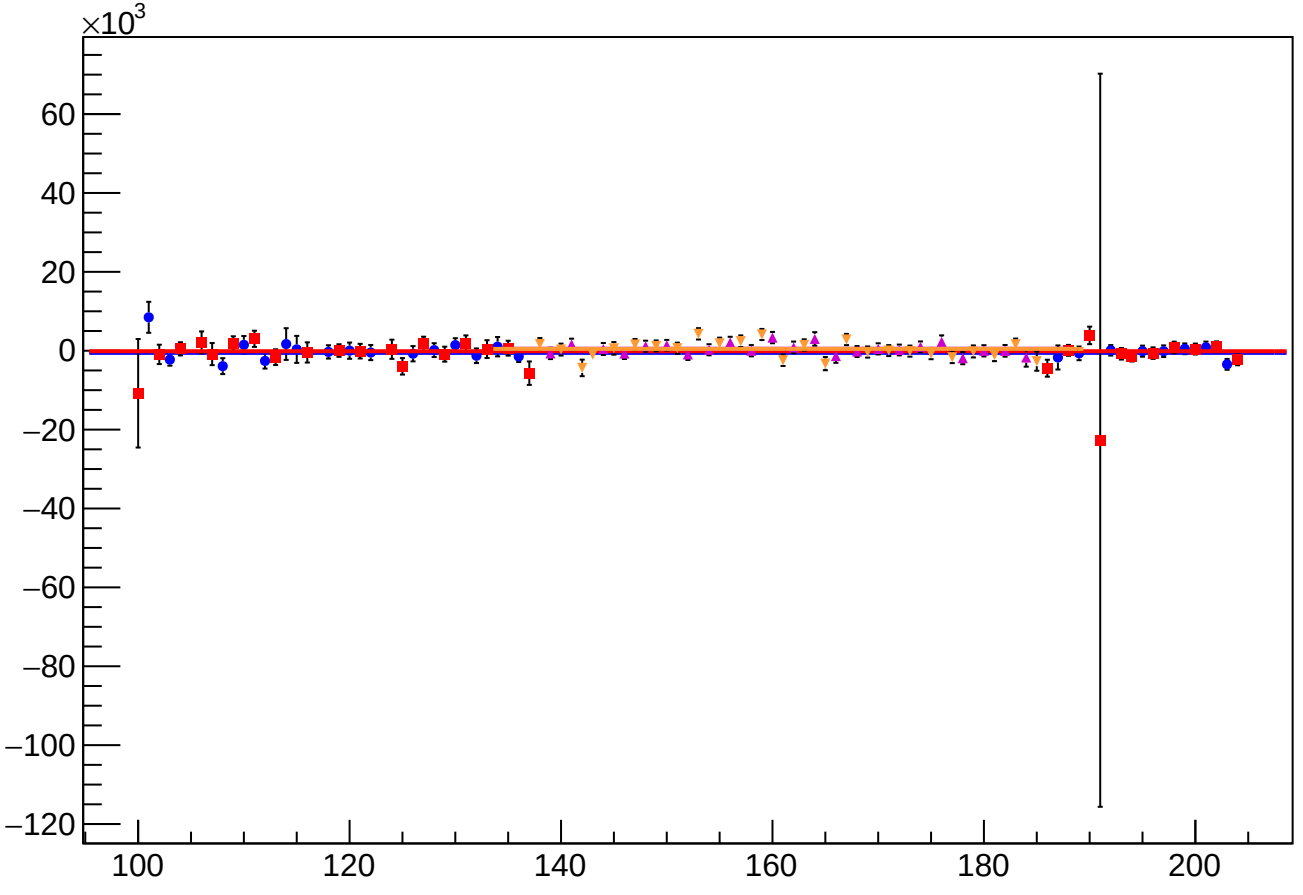
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3800.505+/-0.494 χ^2/NDF: 5213017.0/48

All: 3871.093+/-0.351 χ^2/NDF: 9532392.7/10

- sign 3943.300+/-0.499 χ^2/NDF: 4277993.1/52

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -539.414+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -126.590+/-339.394 χ^2/NDF: 27.3/29

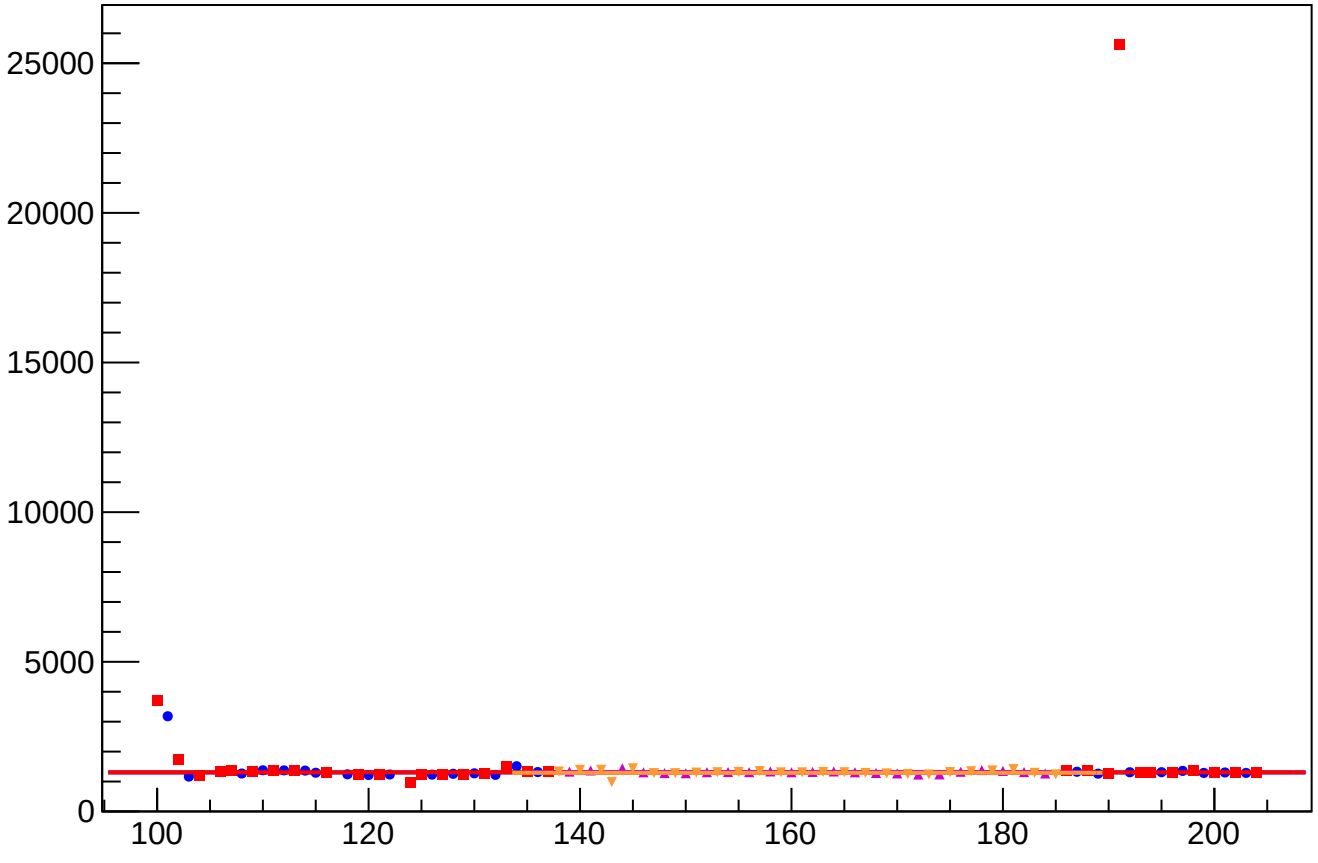
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 67.689+/-228.439 χ^2/NDF: 69.5/48

All: 144.056+/-161.268 χ^2/NDF: 116.3/101

- sign 219.929+/-227.698 χ^2/NDF: 46.6/52

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.1/23

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

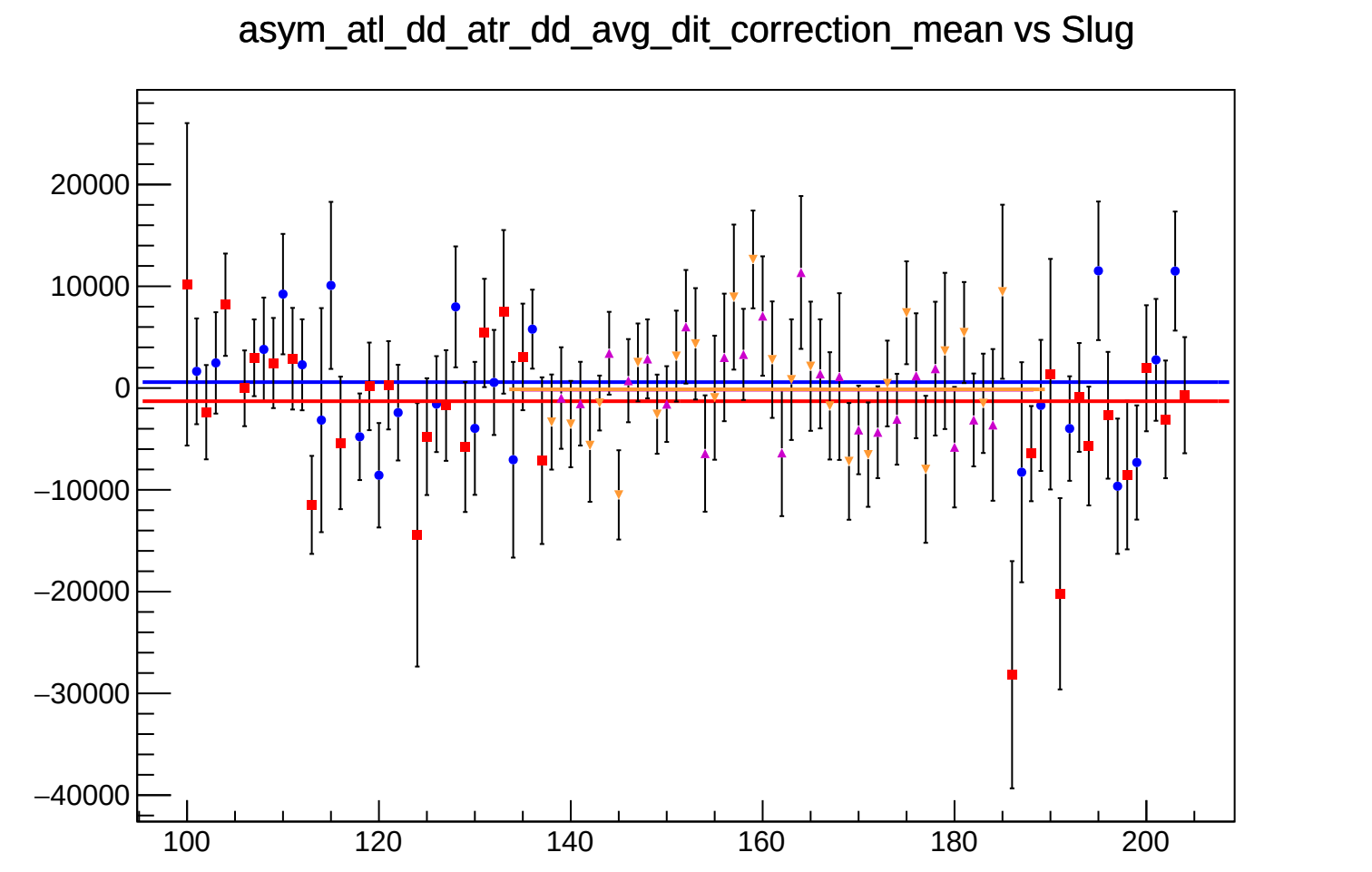
Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.1/29

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.417+/-0.162 χ^2/NDF: 747225.0/48

All: 1303.857+/-0.114 χ^2/NDF: 1158395.7/10

- sign 1311.246+/-0.161 χ^2/NDF: 406942.6/52



Right In: 583.551+/-1138.726 χ^2/NDF: 26.3/23

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: -1292.677+/-1019.096 χ^2/NDF: 31.1/29

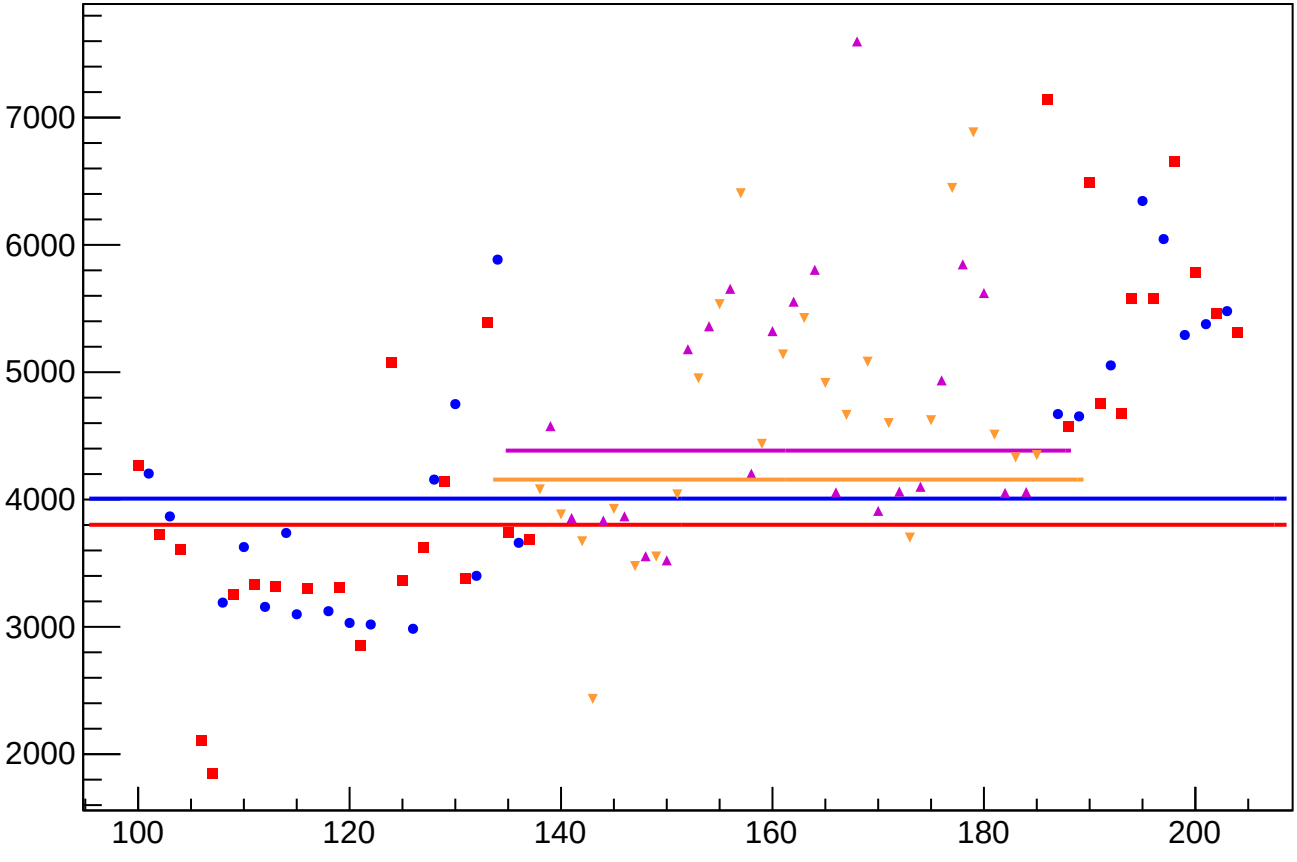
Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 174.201+/-741.589 χ^2/NDF: 55.1/48

All: -290.527+/-520.153 χ^2/NDF: 101.3/101

- sign -740.560+/-729.769 χ^2/NDF: 45.4/52

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 4007.247+/-0.805 χ^2/NDF: 1521072.4/23

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

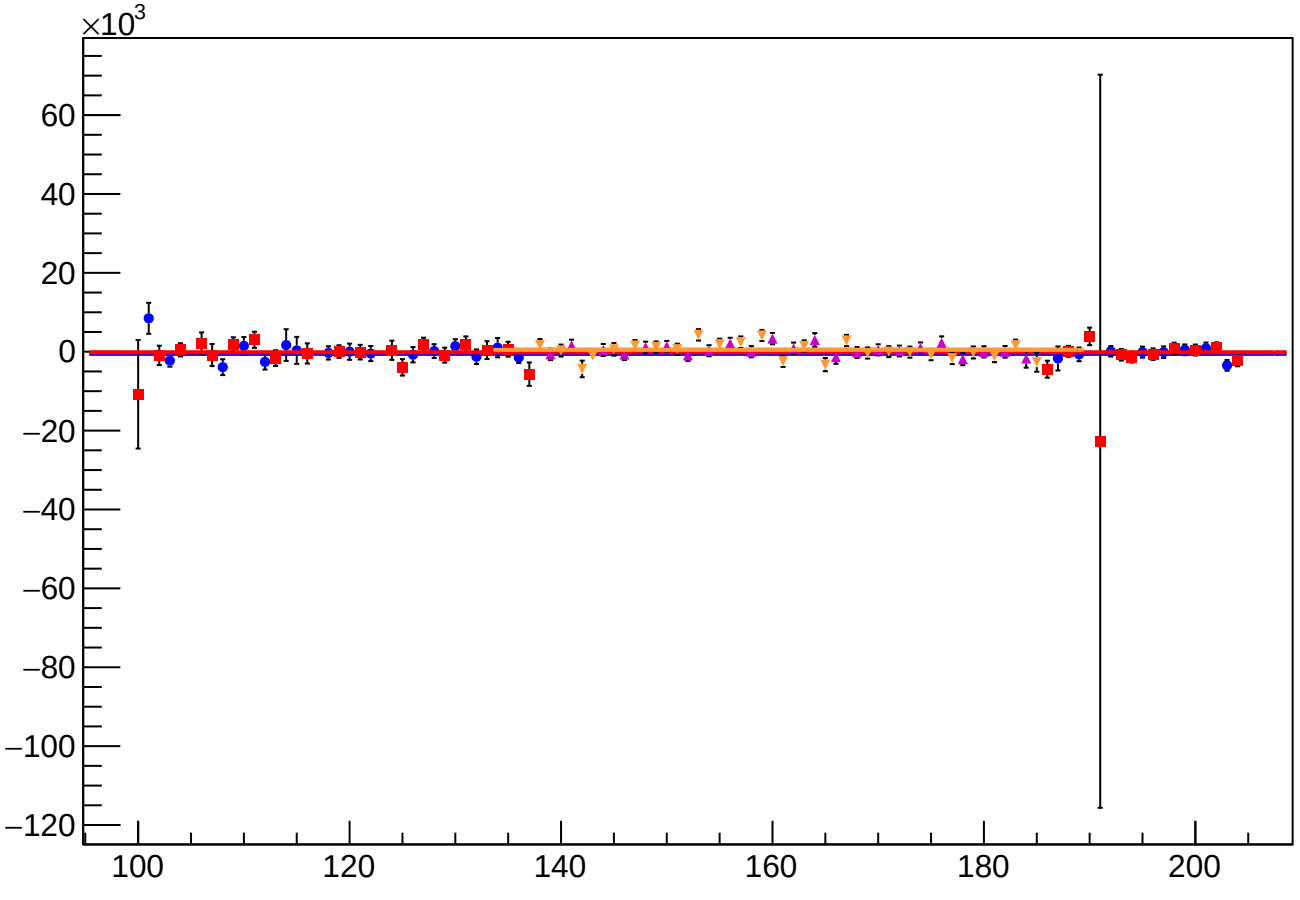
Right Out: 3801.788+/-0.721 χ^2/NDF: 2870355.6/29

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4093.246+/-0.524 χ^2/NDF: 3621646.9/48

All: 4089.363+/-0.368 χ^2/NDF: 8065970.4/10

- sign 4085.604+/-0.516 χ^2/NDF: 4444215.6/52



Right In: -539.413+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -126.587+/-339.394 χ^2/NDF: 27.3/29

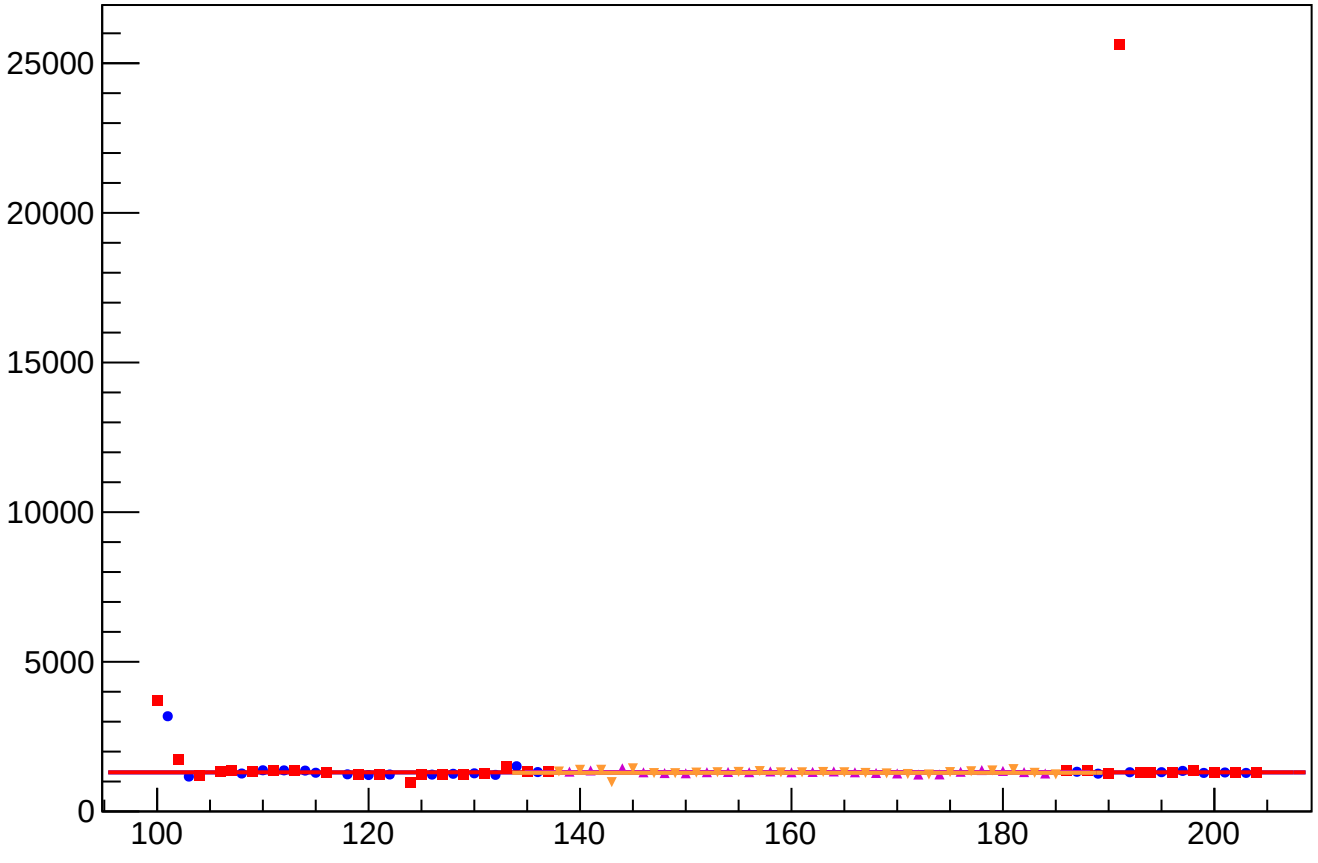
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 67.691+/-228.439 χ^2/NDF: 69.5/48

All: 144.058+/-161.268 χ^2/NDF: 116.3/101

- sign 219.930+/-227.698 χ^2/NDF: 46.6/52

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.3/23

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

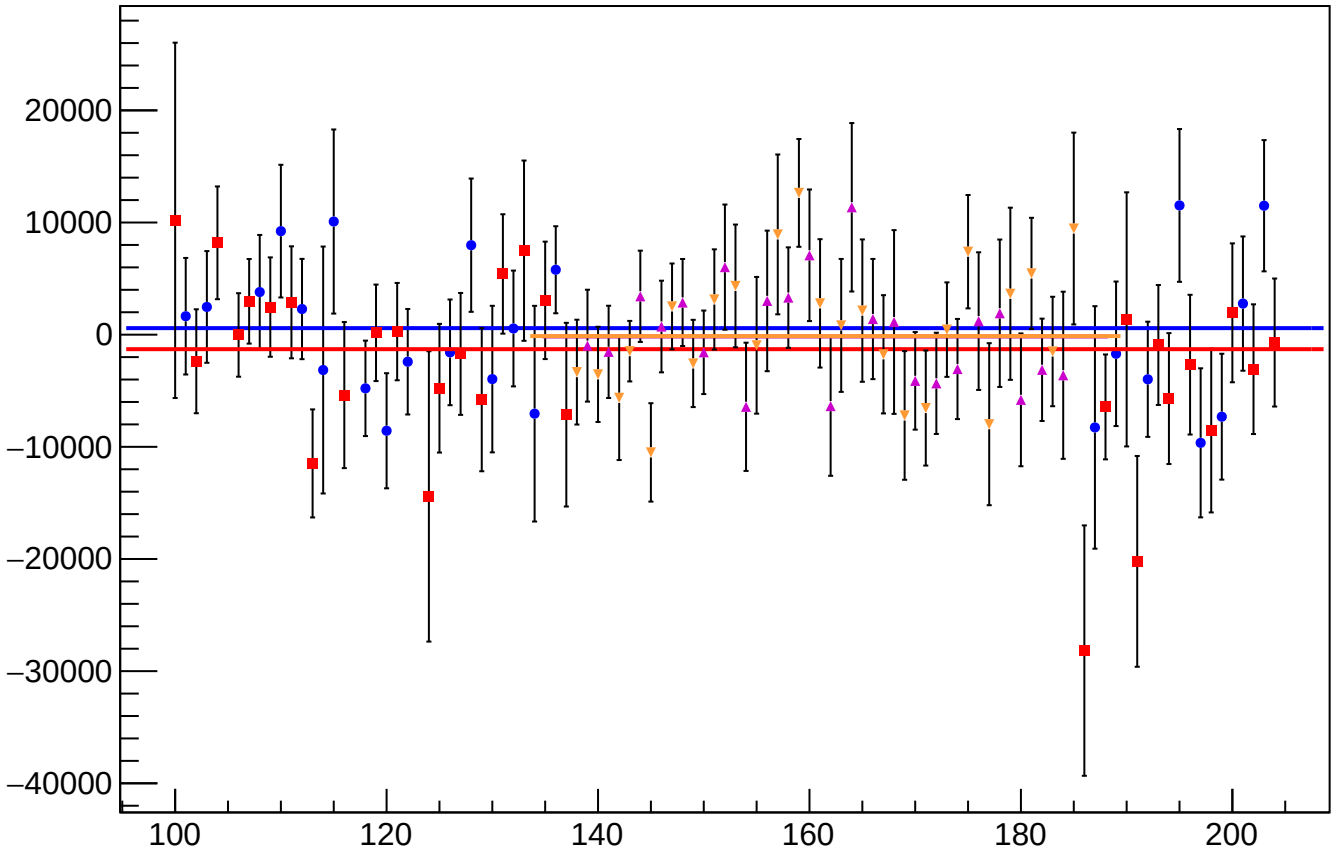
Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.3/29

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.418+/-0.162 χ^2/NDF: 747227.4/48

All: 1303.858+/-0.114 χ^2/NDF: 1158400.7/10

- sign 1311.247+/-0.161 χ^2/NDF: 406945.1/52



Right In: 583.543+/-1138.724 χ^2/NDF: 26.3/23

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

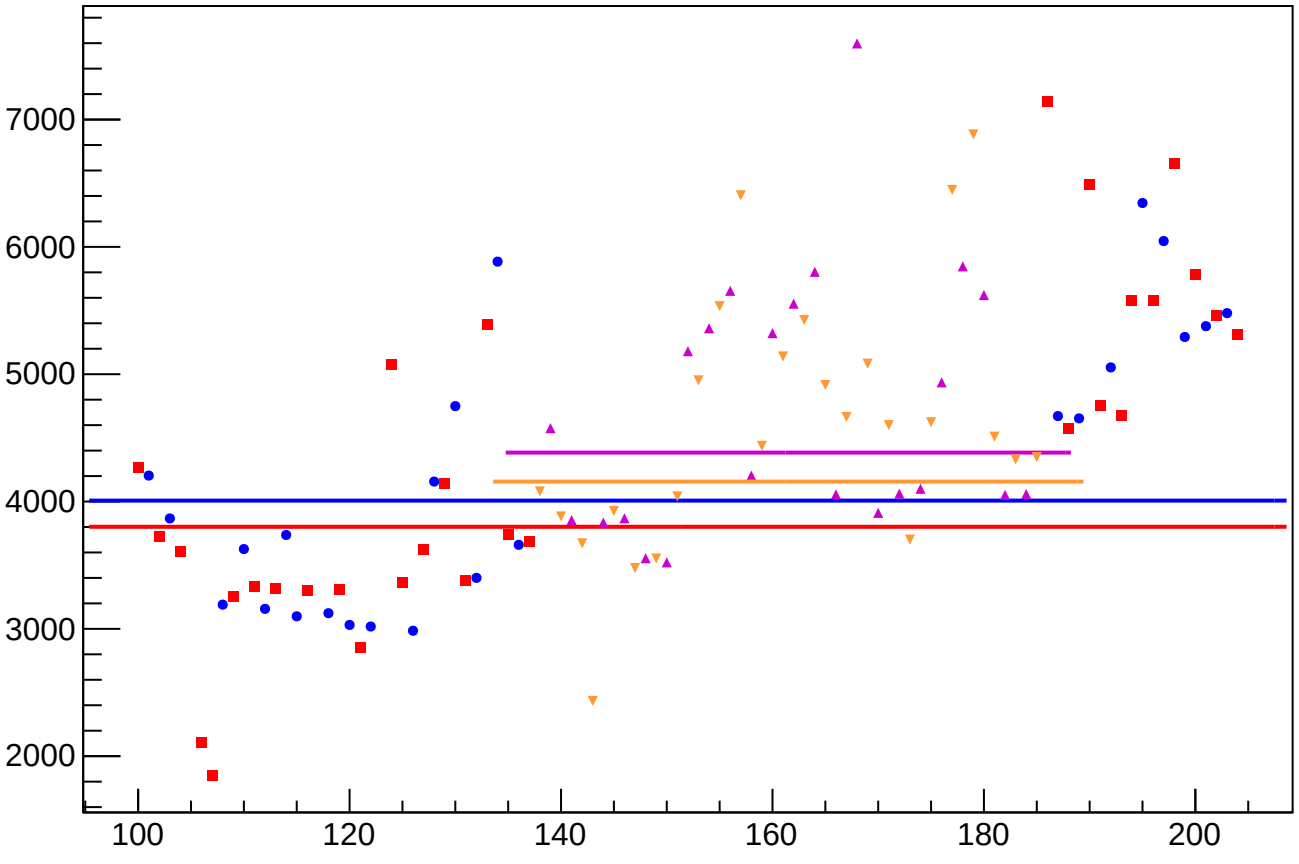
Right Out: -1292.670+/-1019.095 χ^2/NDF: 31.1/29

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 174.200+/-741.589 χ^2/NDF: 55.1/48

All: -290.527+/-520.153 χ^2/NDF: 101.3/101

- sign -740.559+/-729.769 χ^2/NDF: 45.4/52



Right In: 4007.239+/-0.805 χ^2/NDF: 1521095.9/23

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3801.781+/-0.721 χ^2/NDF: 2870380.1/29

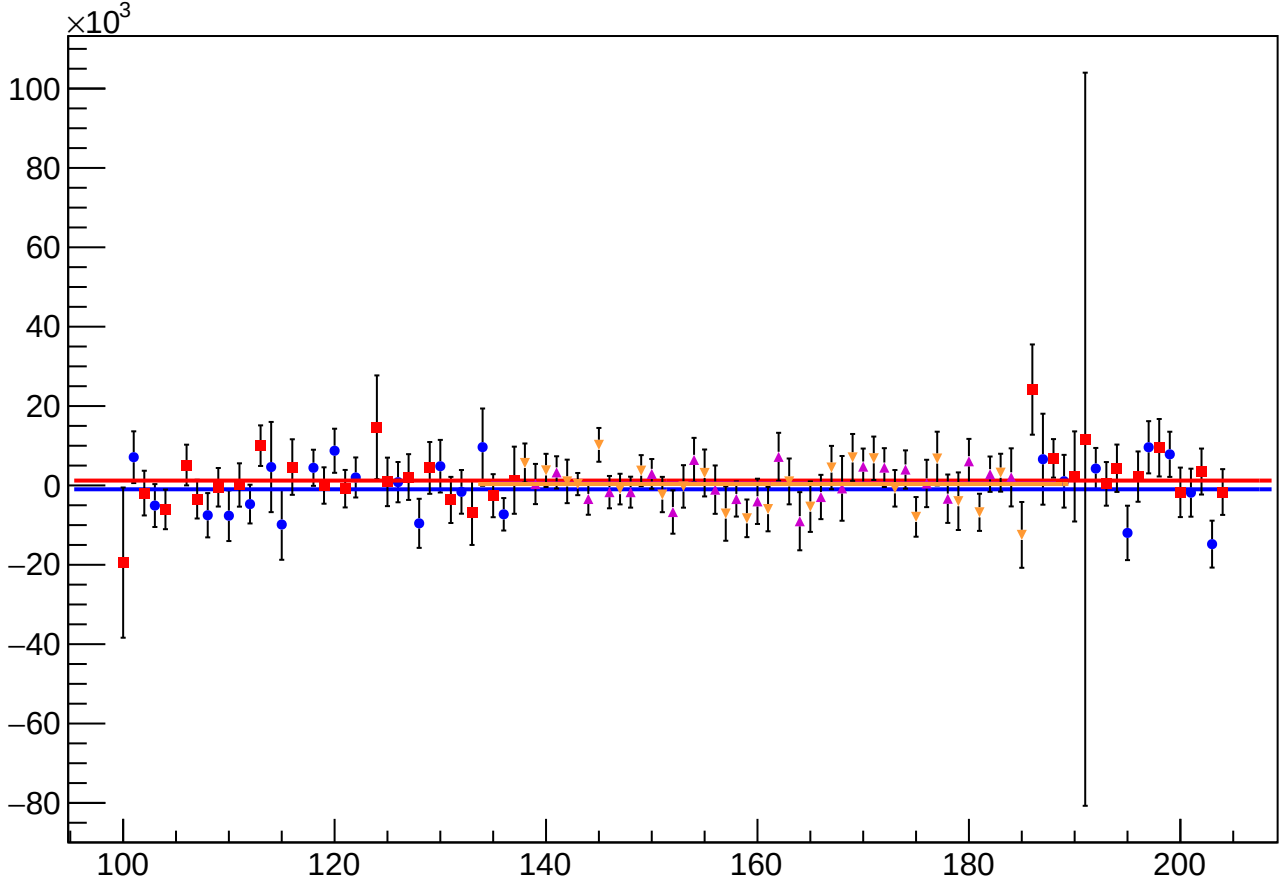
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4093.246+/-0.524 χ^2/NDF: 3621676.9/48

All: 4089.363+/-0.368 χ^2/NDF: 8066043.8/10

- sign 4085.603+/-0.516 χ^2/NDF: 4444259.0/52

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -977.578+/-1206.984 χ^2/NDF: 32.2/23

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1221.385+/-1111.844 χ^2/NDF: 19.9/29

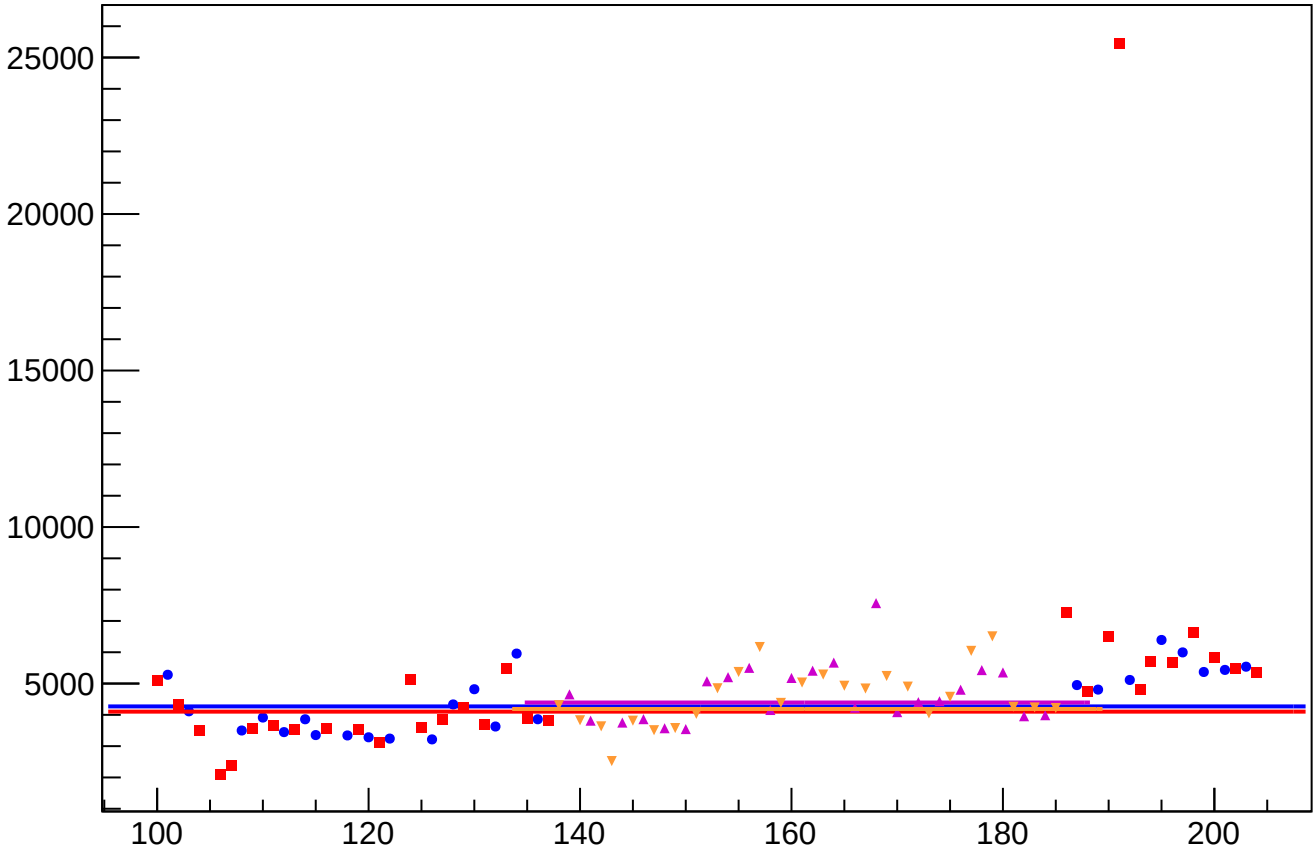
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -169.828+/-760.734 χ^2/NDF: 60.6/48

All: 333.150+/-538.137 χ^2/NDF: 95.5/101

- sign 836.940+/-761.348 χ^2/NDF: 34.0/52

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4269.266+/-0.853 χ^2/NDF: 1254986.0/23

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

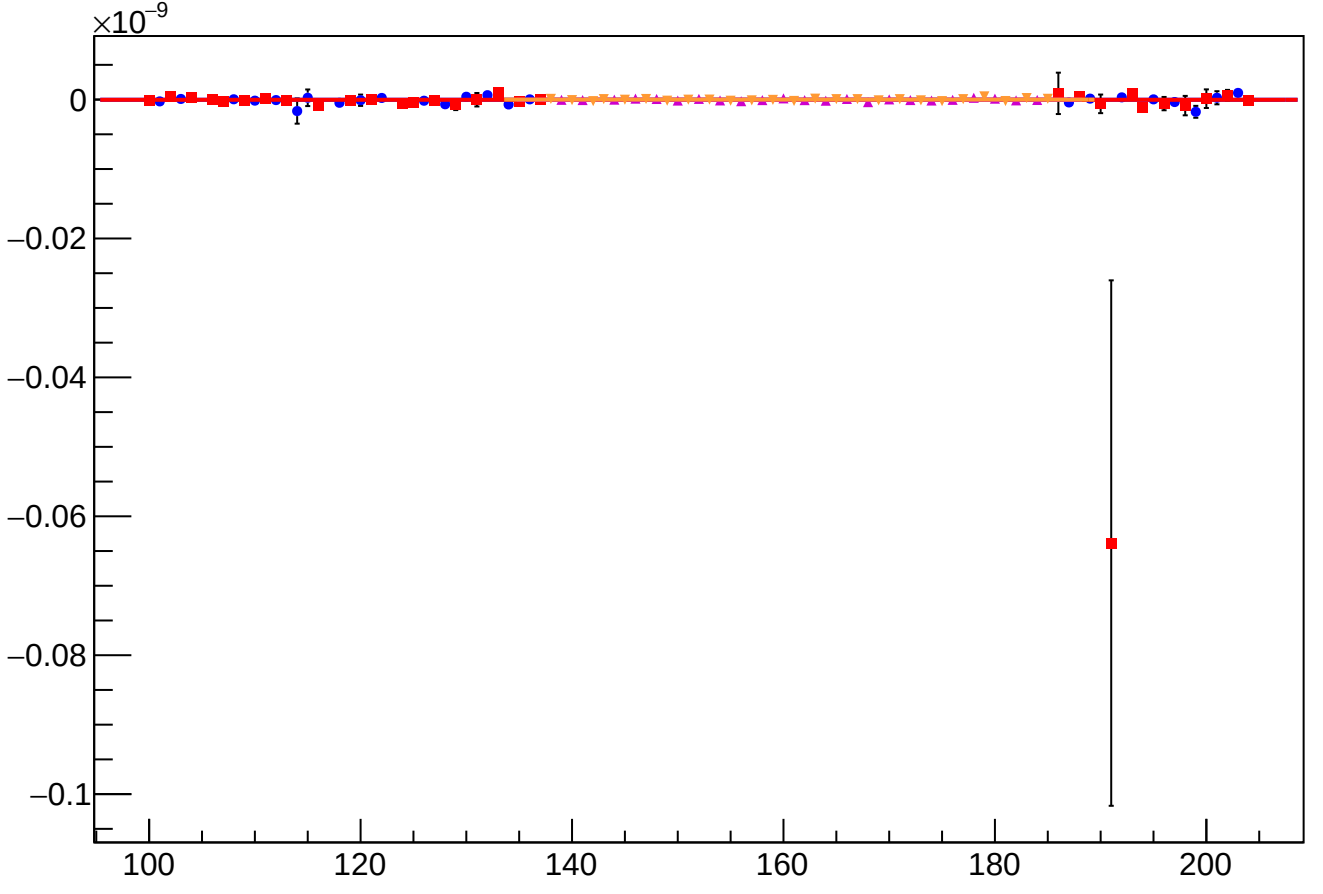
Right Out: 4102.774+/-0.779 χ^2/NDF: 2316402.5/29

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4220.192+/-0.538 χ^2/NDF: 3056817.3/48

All: 4238.277+/-0.380 χ^2/NDF: 6537645.7/10

- sign 4256.230+/-0.536 χ^2/NDF: 3478576.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

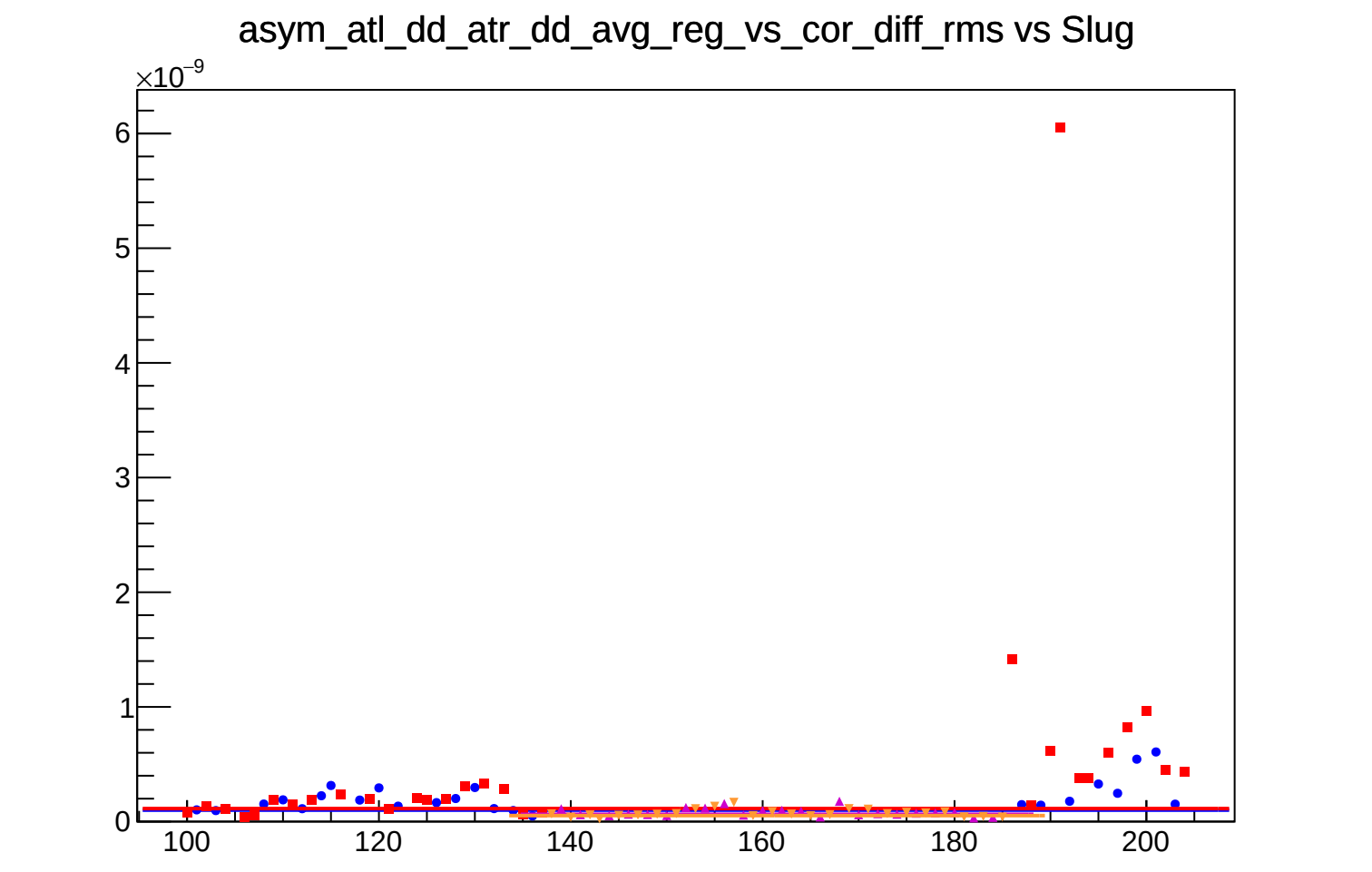
Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/29

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

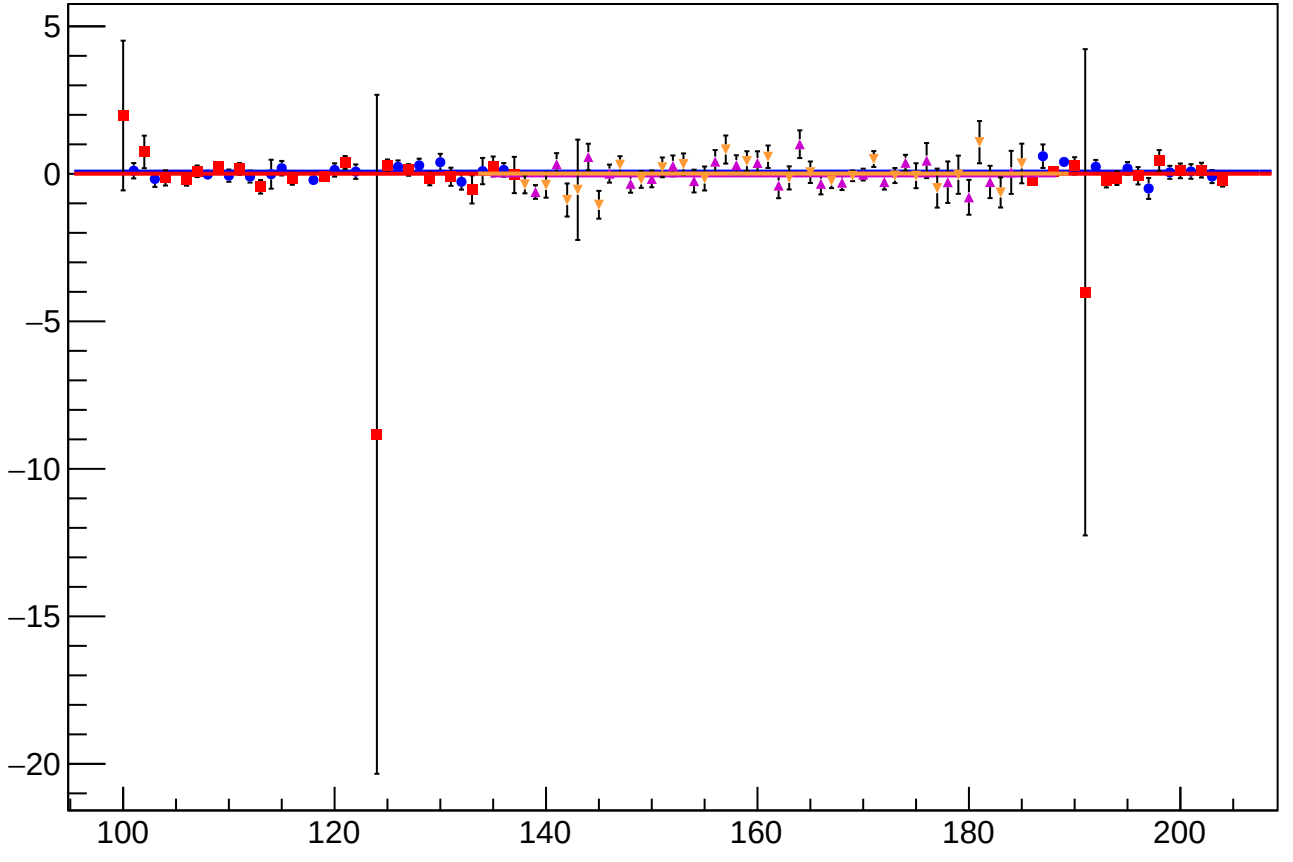
+ sign -0.000+/-0.000 χ^2/NDF: 58.4/48

All: -0.000+/-0.000 χ^2/NDF: 102.9/101

- sign -0.000+/-0.000 χ^2/NDF: 44.3/52


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: 3122720.1/23
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5888584.9/29
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 7000268.9/48
All: 0.000+/-0.000 χ²/NDF: 16105222.7/101
- sign 0.000+/-0.000 χ²/NDF: 8809825.6/52

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

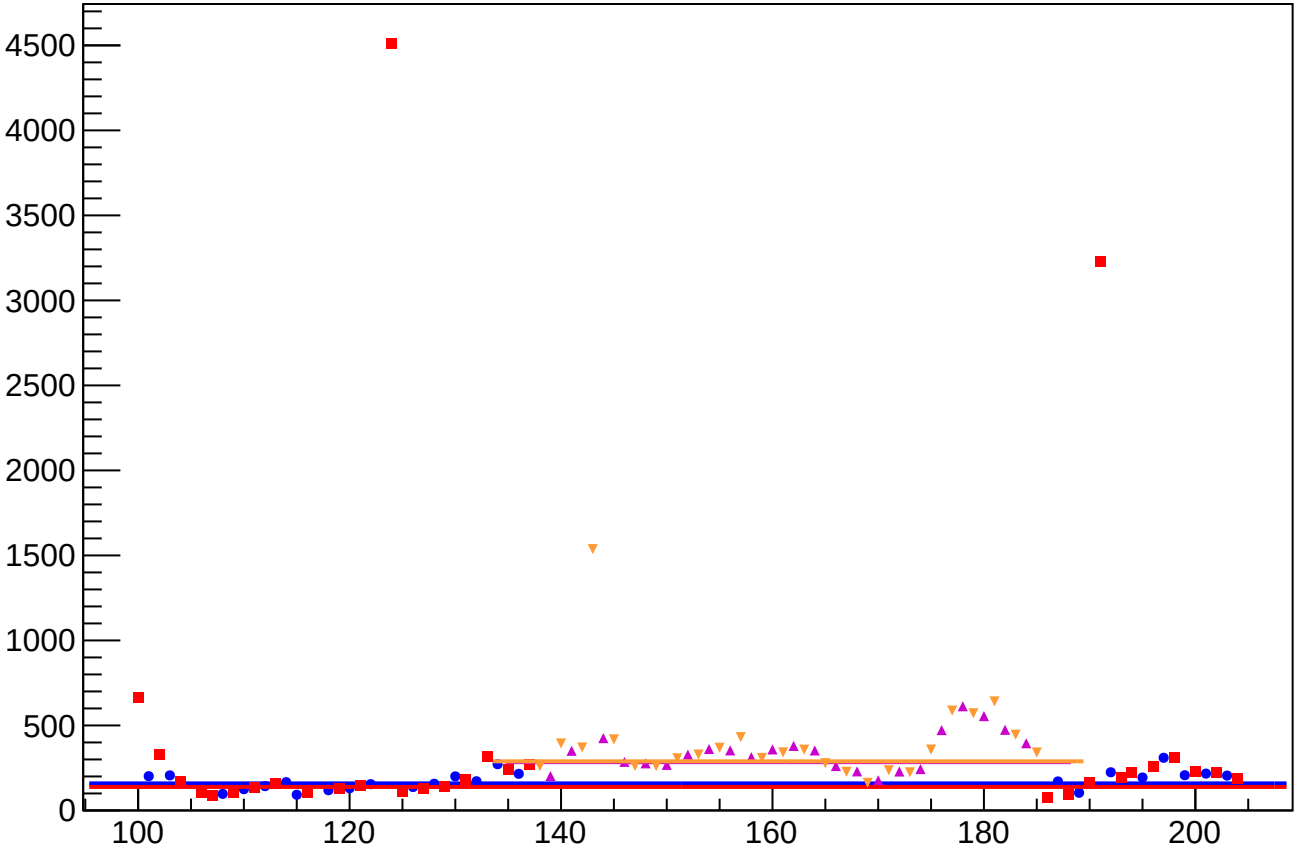
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.056+/-0.039 χ^2/NDF: 50.0/48

All: 0.019+/-0.026 χ^2/NDF: 110.4/101

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

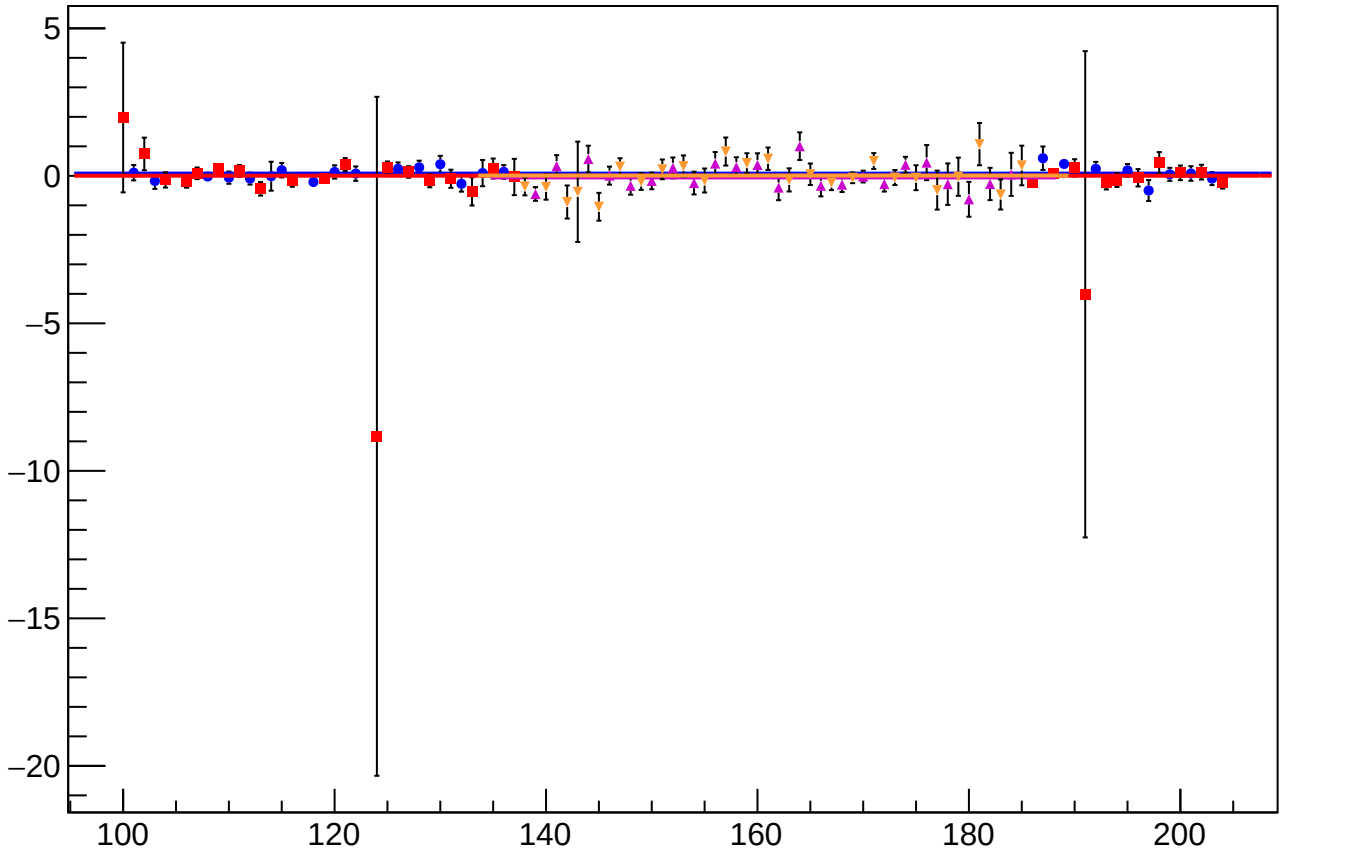
Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 198.480+/-0.028 χ^2/NDF: 11518994.8/48

All: 184.845+/-0.018 χ^2/NDF: 26171040.5/10

- sign 174.036+/-0.025 χ^2/NDF: 14216363.2/52



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

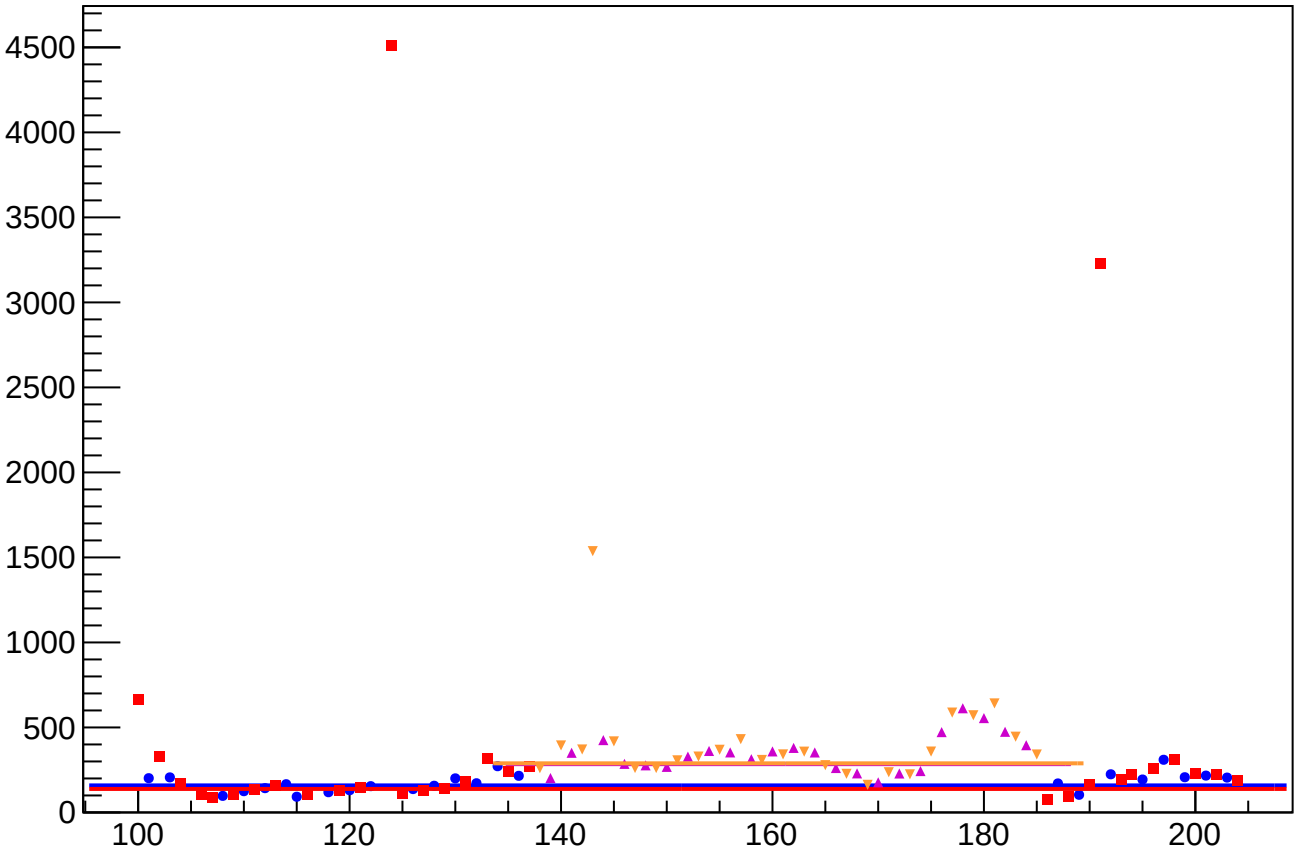
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.056+/-0.039 χ^2/NDF: 50.0/48

All: 0.019+/-0.026 χ^2/NDF: 110.4/101

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

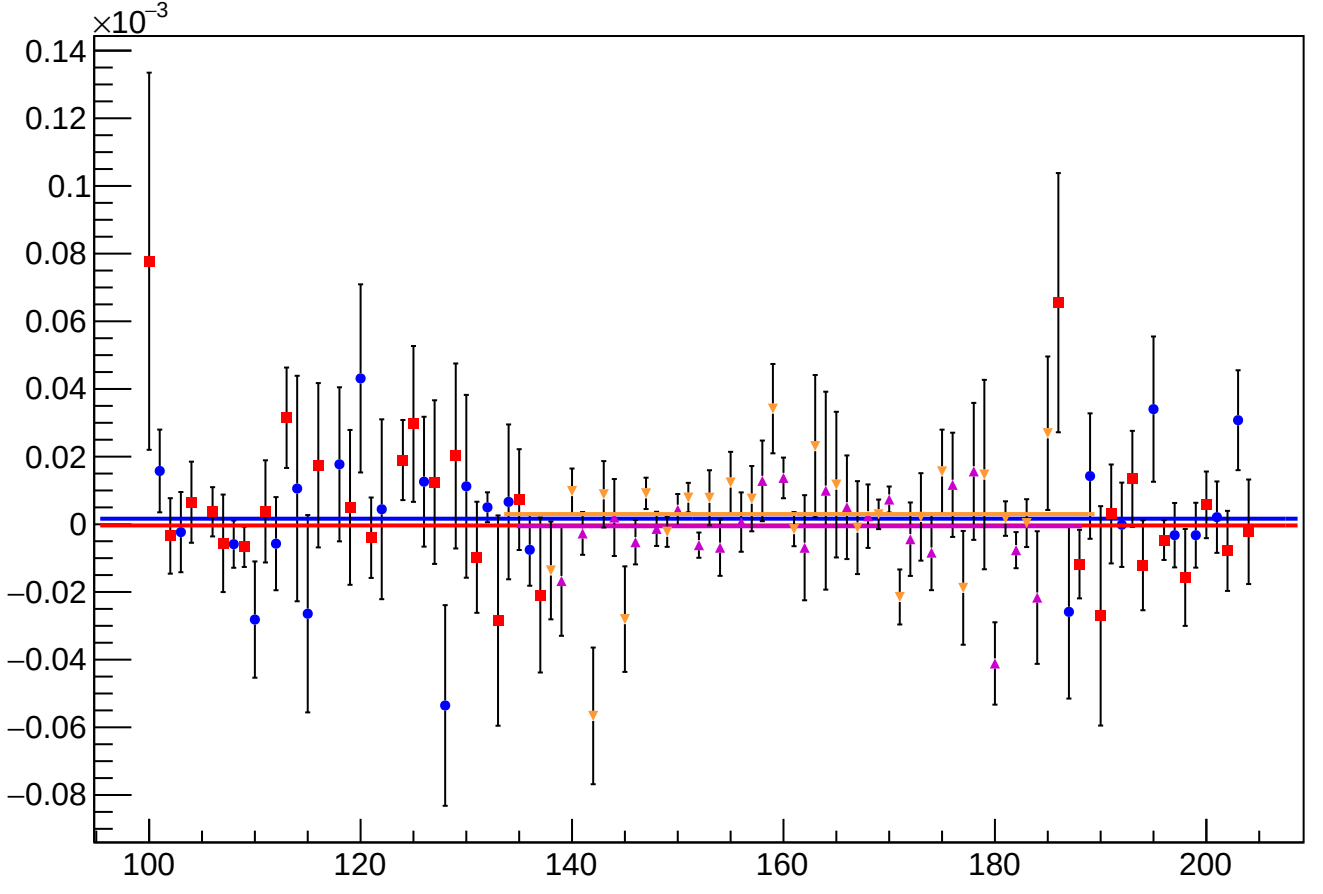
Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 198.480+/-0.028 χ^2/NDF: 11518994.8/48

All: 184.845+/-0.018 χ^2/NDF: 26171040.5/10

- sign 174.036+/-0.025 χ^2/NDF: 14216363.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

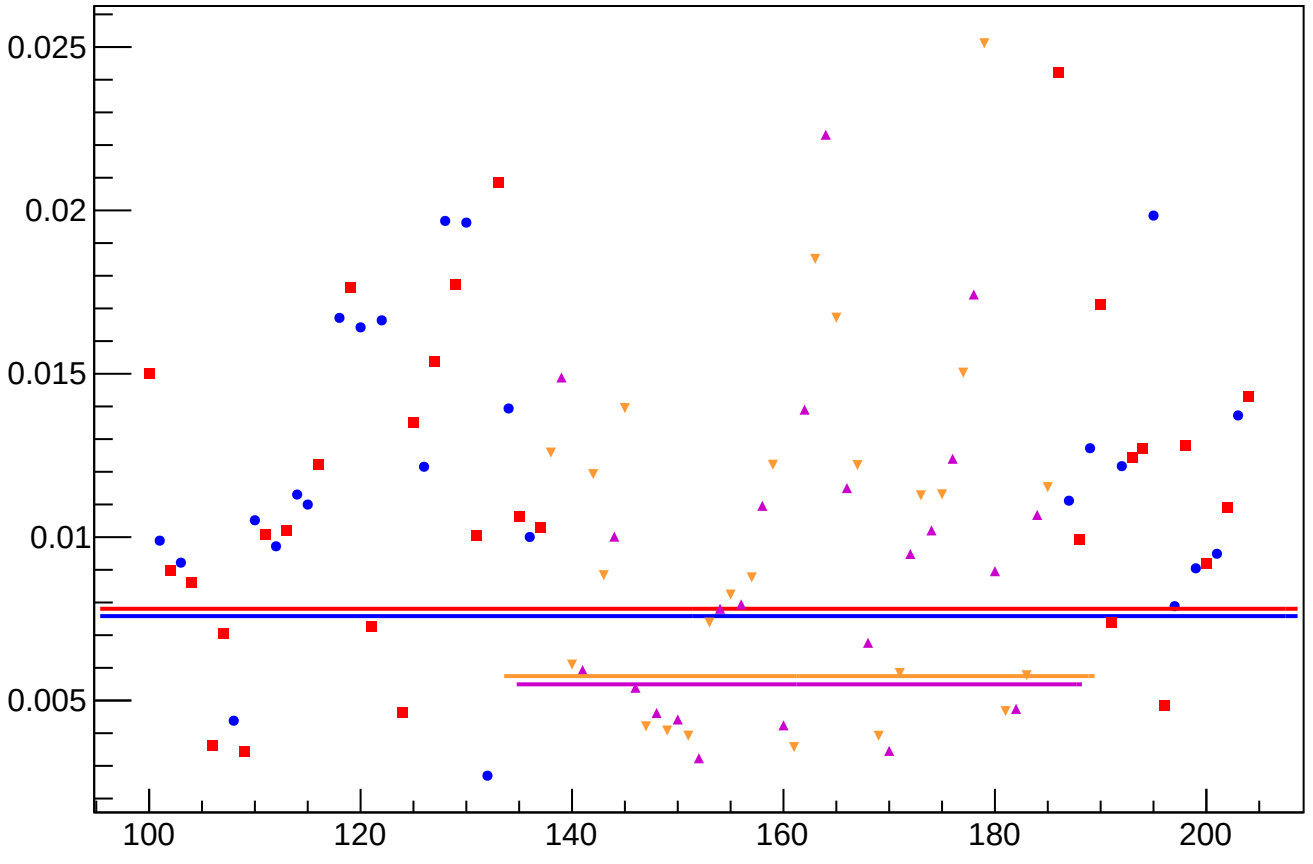
Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/29

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.7/48

All: 0.000+/-0.000 χ^2/NDF: 127.8/101

- sign -0.000+/-0.000 χ^2/NDF: 59.1/52



Right In: 0.008+/-0.000 χ^2/NDF: 6556165.2/23

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

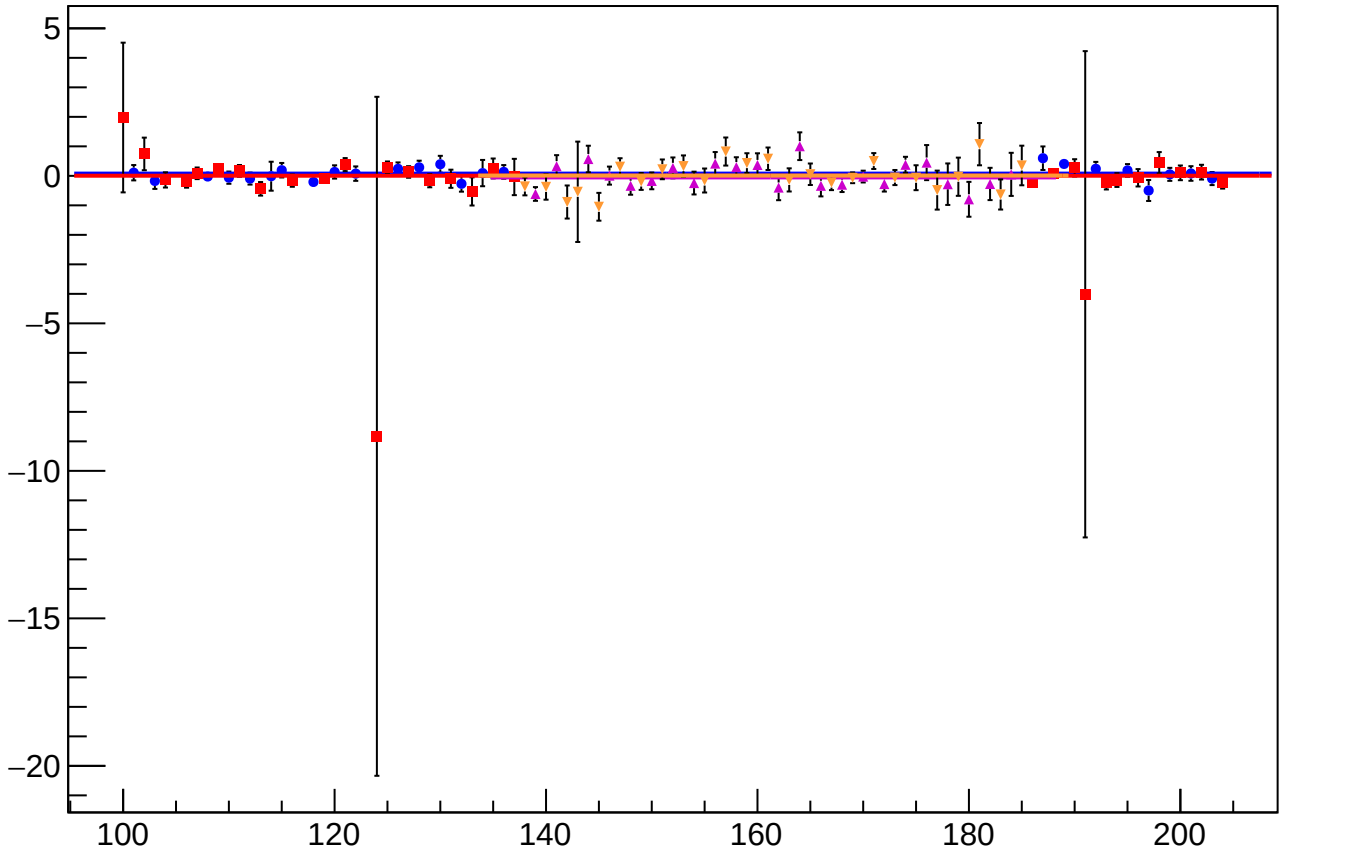
Right Out: 0.008+/-0.000 χ^2/NDF: 5952829.2/29

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 15490234.7/48

All: 0.006+/-0.000 χ^2/NDF: 29807521.8/101

- sign 0.006+/-0.000 χ^2/NDF: 14315679.1/52



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

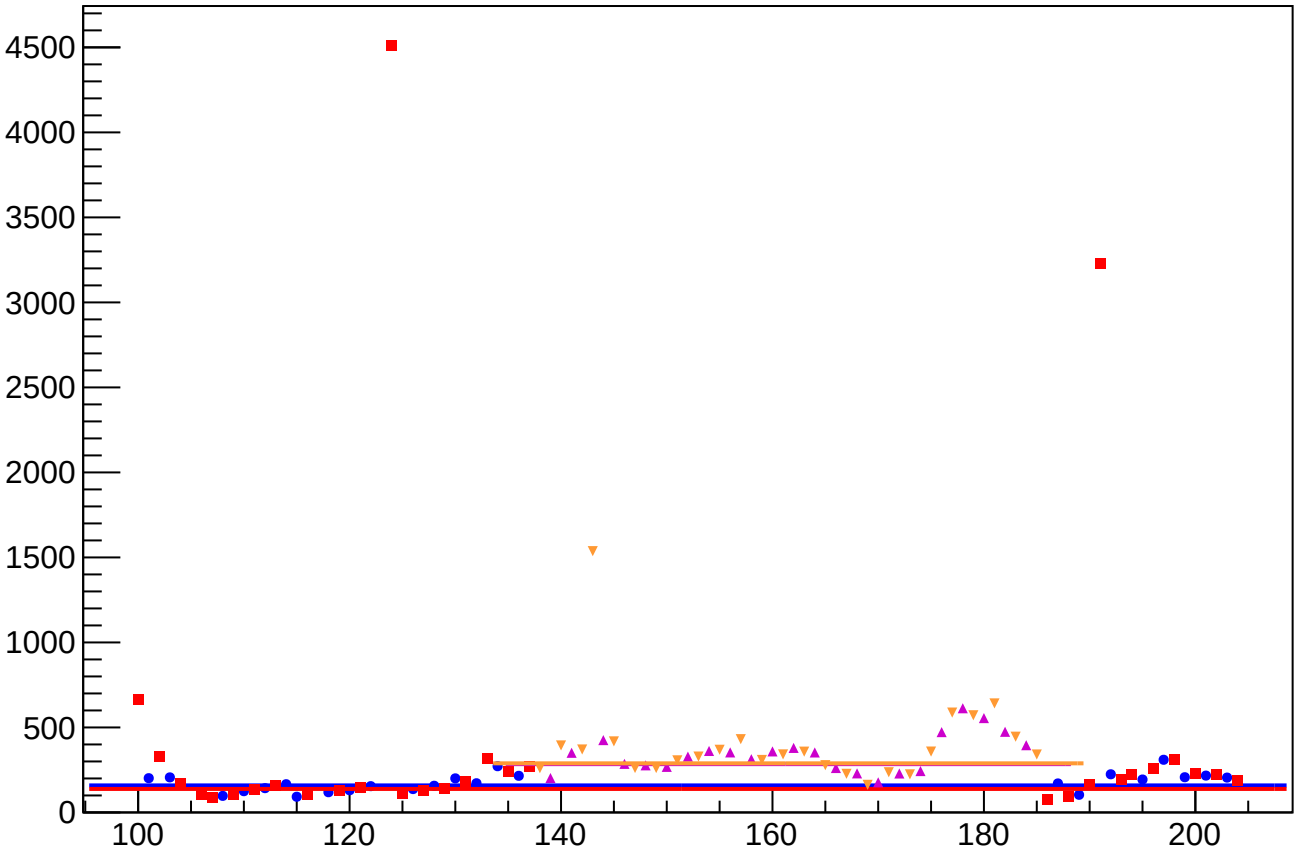
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.056+/-0.039 χ^2/NDF: 50.0/48

All: 0.019+/-0.026 χ^2/NDF: 110.4/101

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

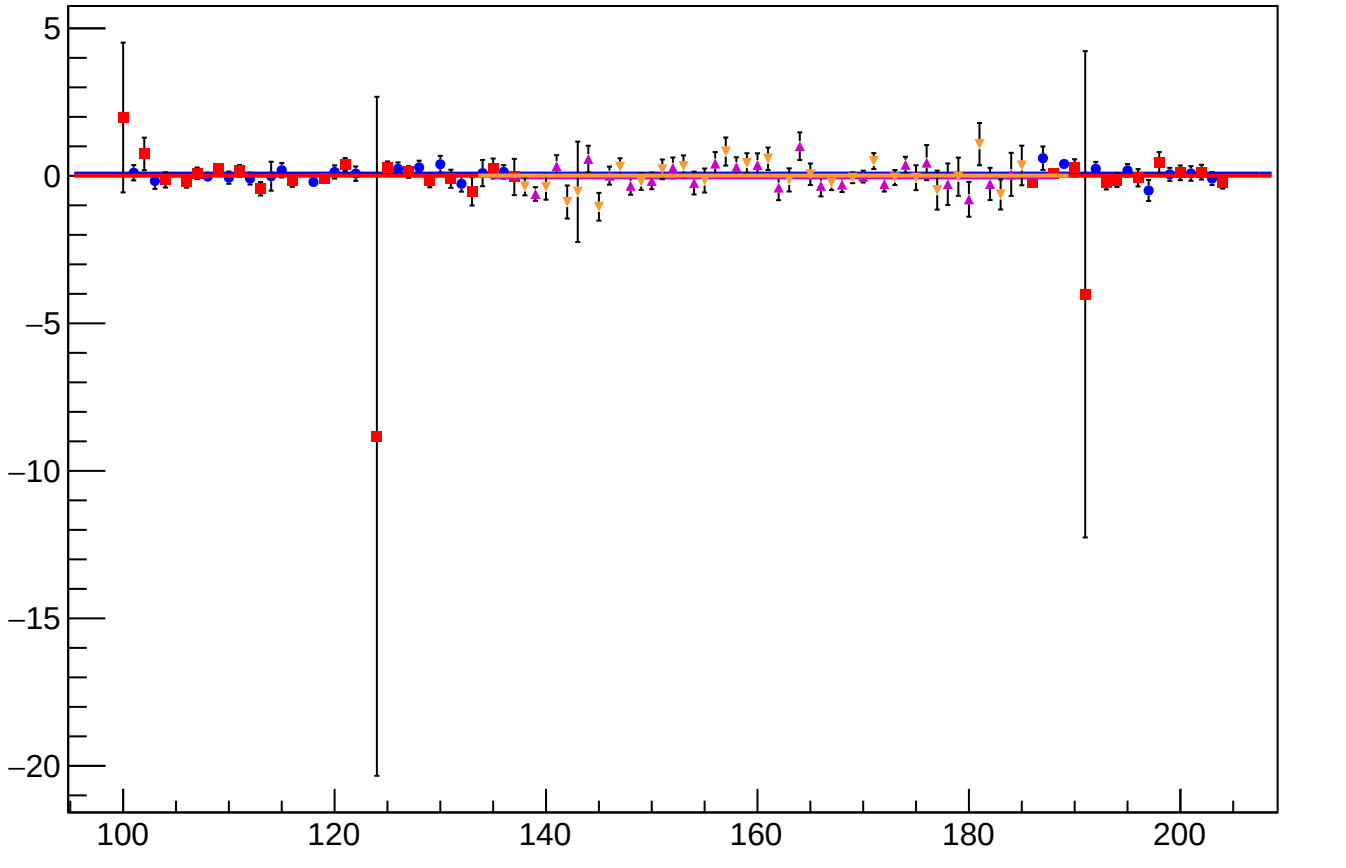
Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 198.480+/-0.028 χ^2/NDF: 11519217.1/48

All: 184.846+/-0.018 χ^2/NDF: 26170986.2/10

- sign 174.038+/-0.025 χ^2/NDF: 14216176.2/52



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

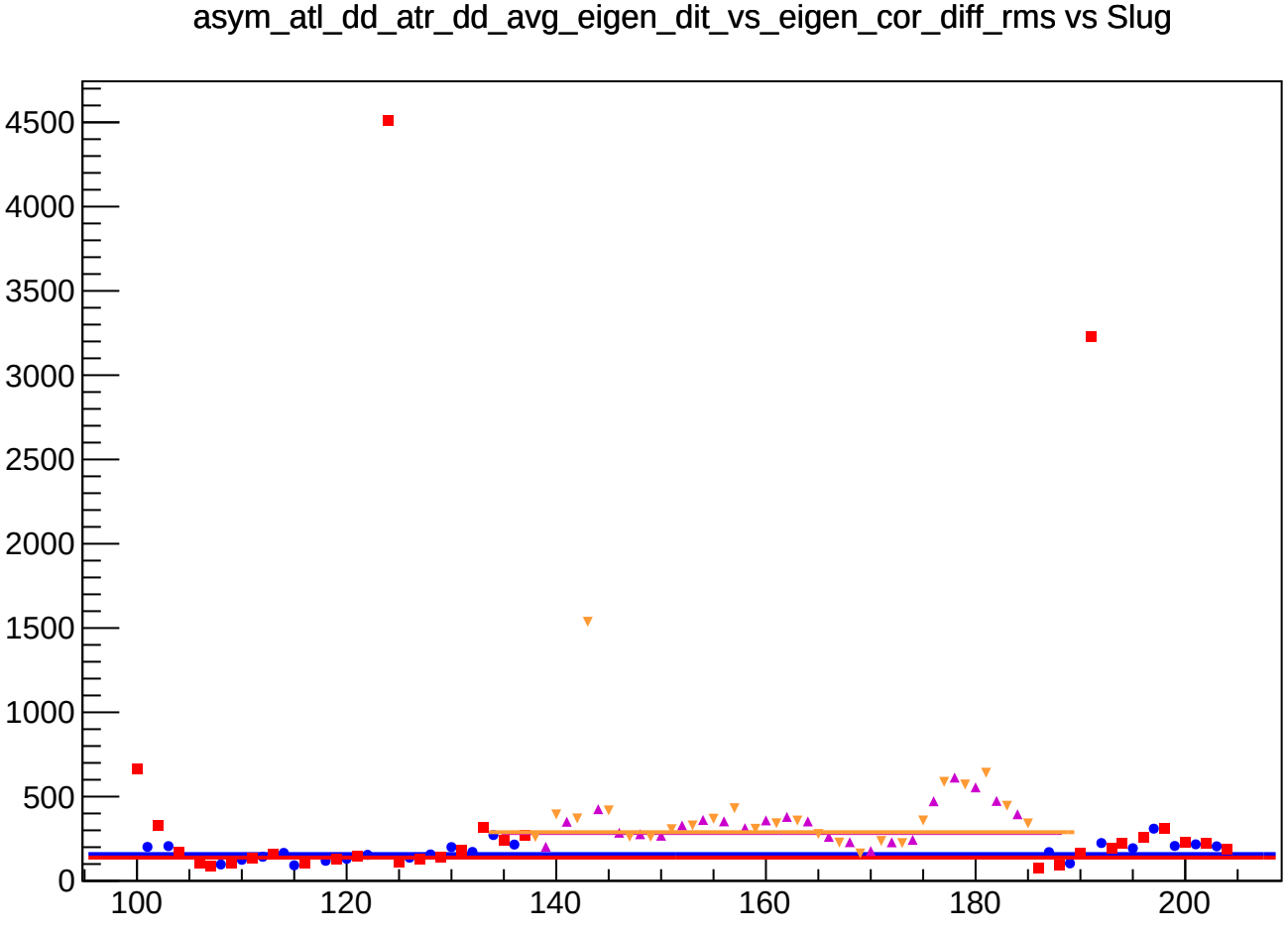
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.056+/-0.039 χ^2/NDF: 50.0/48

All: 0.019+/-0.026 χ^2/NDF: 110.4/101

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

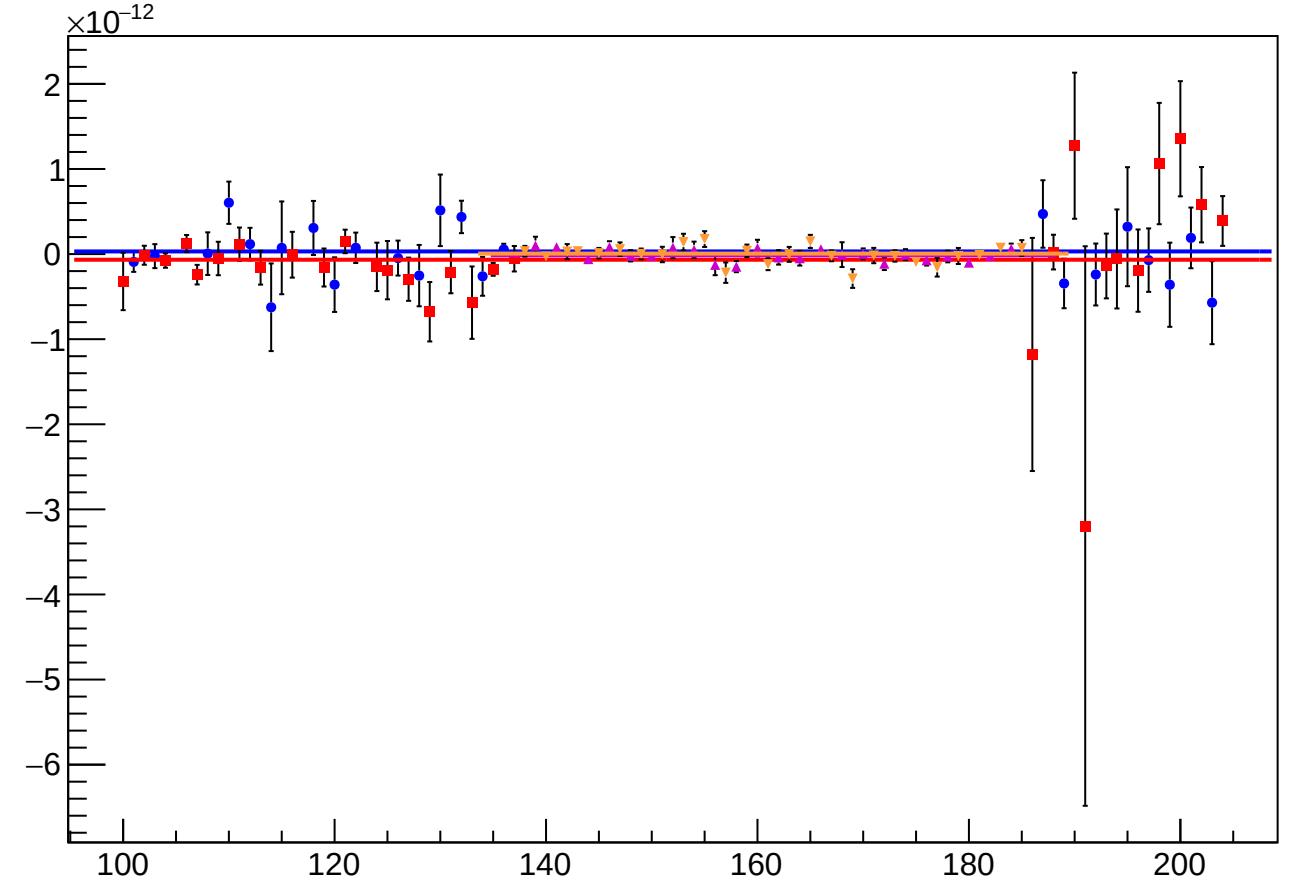
Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 198.480+/-0.028 χ^2/NDF: 11519217.1/48

All: 184.846+/-0.018 χ^2/NDF: 26170986.2/10

- sign 174.038+/-0.025 χ^2/NDF: 14216176.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

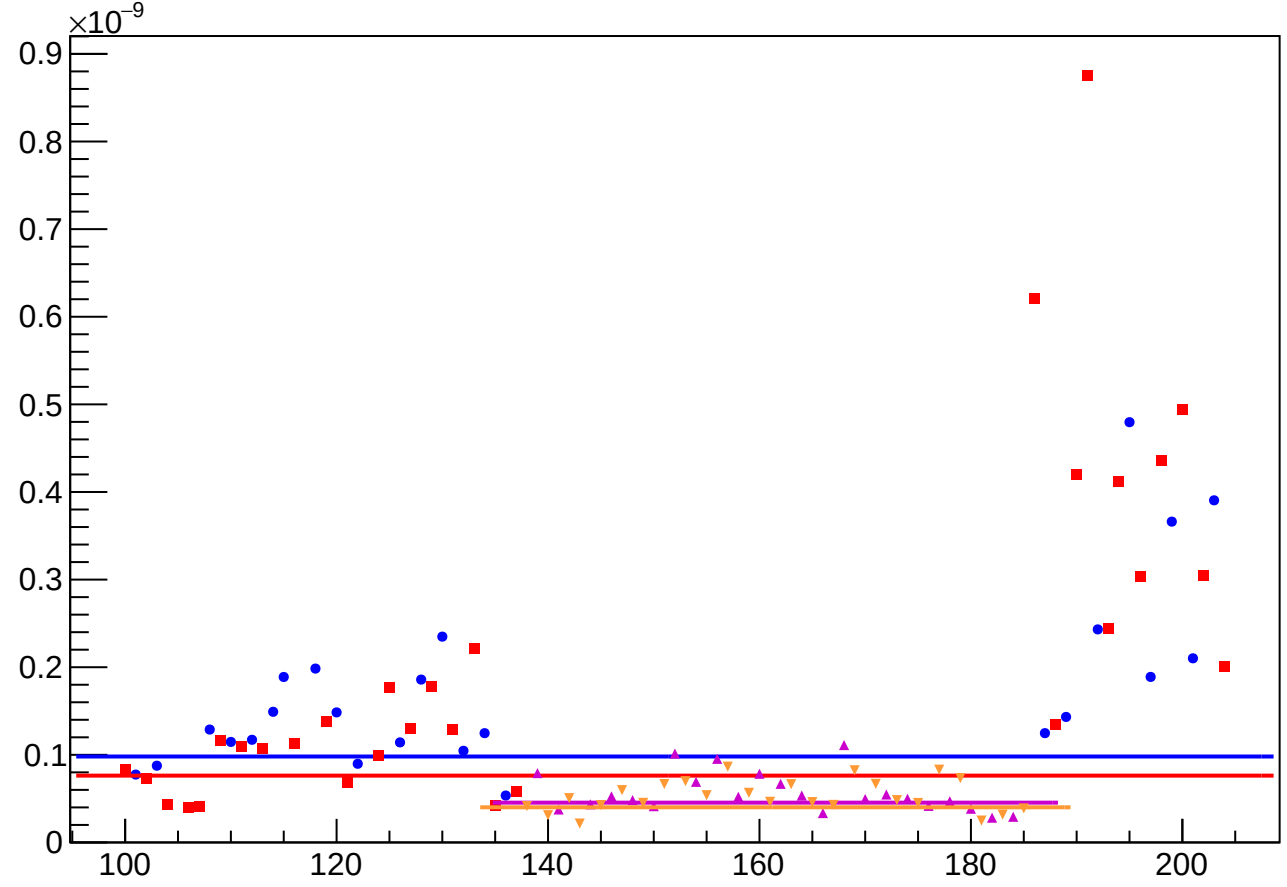
Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/29

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.6/48

All: -0.000+/-0.000 χ^2/NDF: 122.2/101

- sign -0.000+/-0.000 χ^2/NDF: 59.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 4310749.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

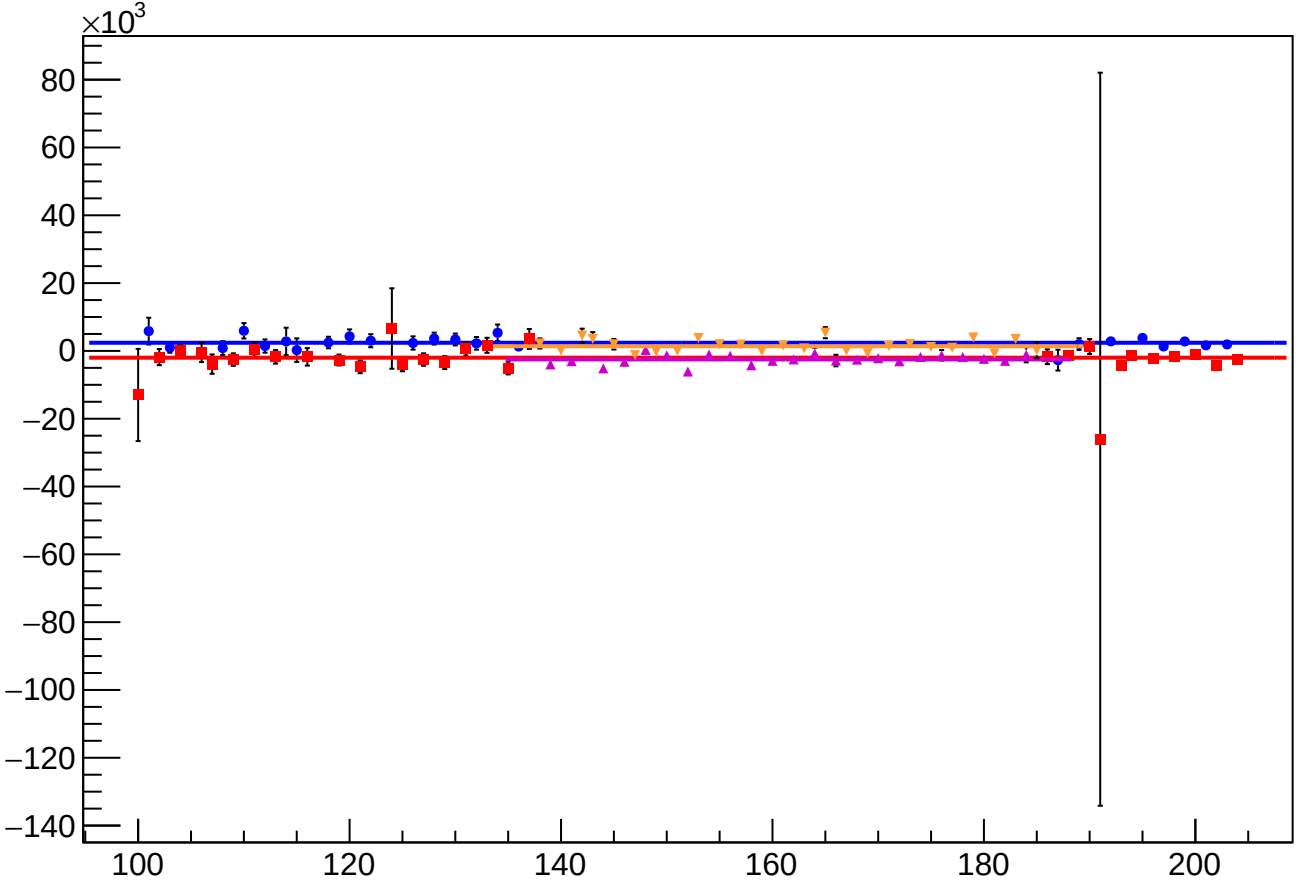
Right Out: 0.000+/-0.000 χ^2/NDF: 6944811.2/29

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11613501.4/48

All: 0.000+/-0.000 χ^2/NDF: 22995873.3/101

- sign 0.000+/-0.000 χ^2/NDF: 11213597.1/52



Right In: 2405.021+/-362.467 χ^2/NDF: 14.1/23

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1999.174+/-341.828 χ^2/NDF: 28.1/29

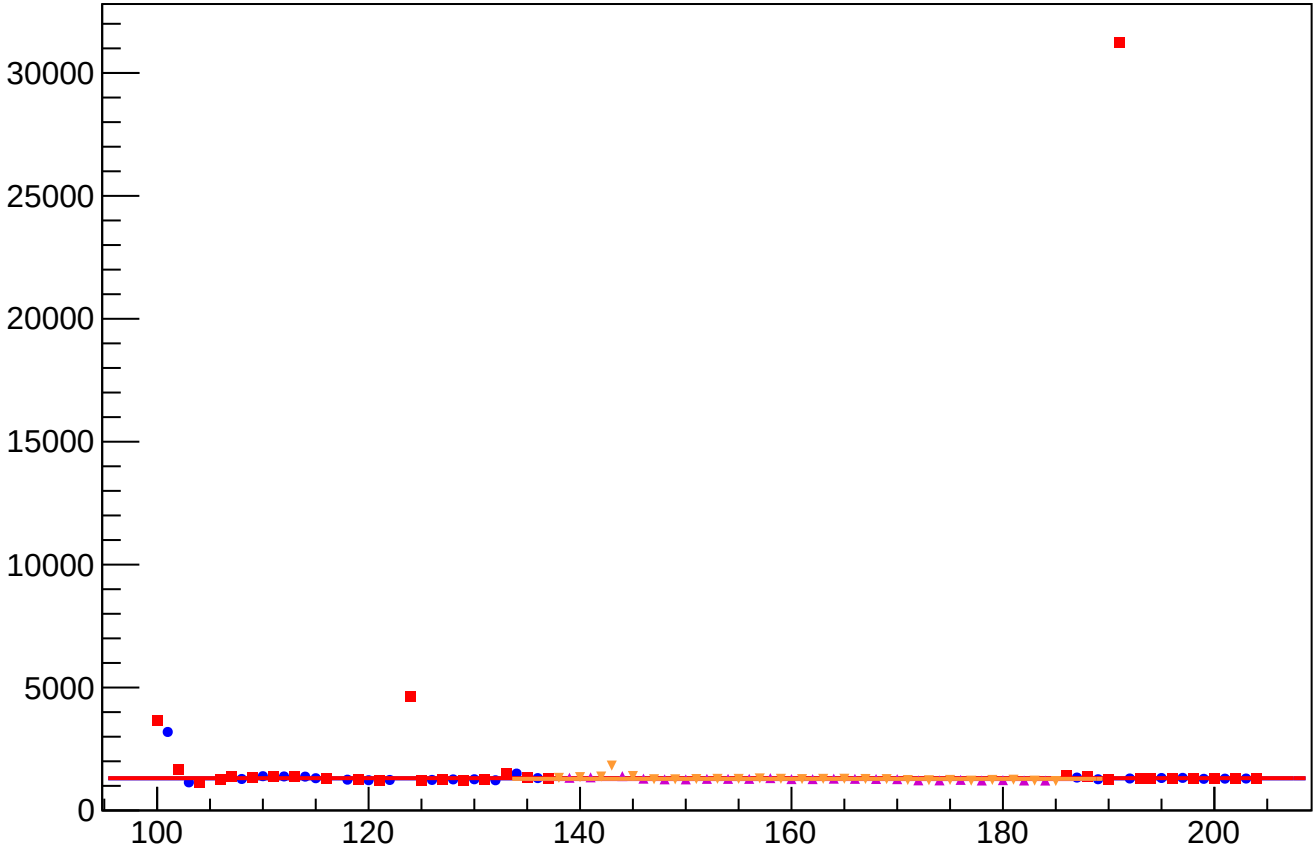
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1786.679+/-227.758 χ^2/NDF: 51.9/48

All: -281.880+/-159.945 χ^2/NDF: 266.5/101

- sign -2294.654+/-224.666 χ^2/NDF: 51.9/52

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1304.483+/-0.256 χ^2/NDF: 518557.4/23

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

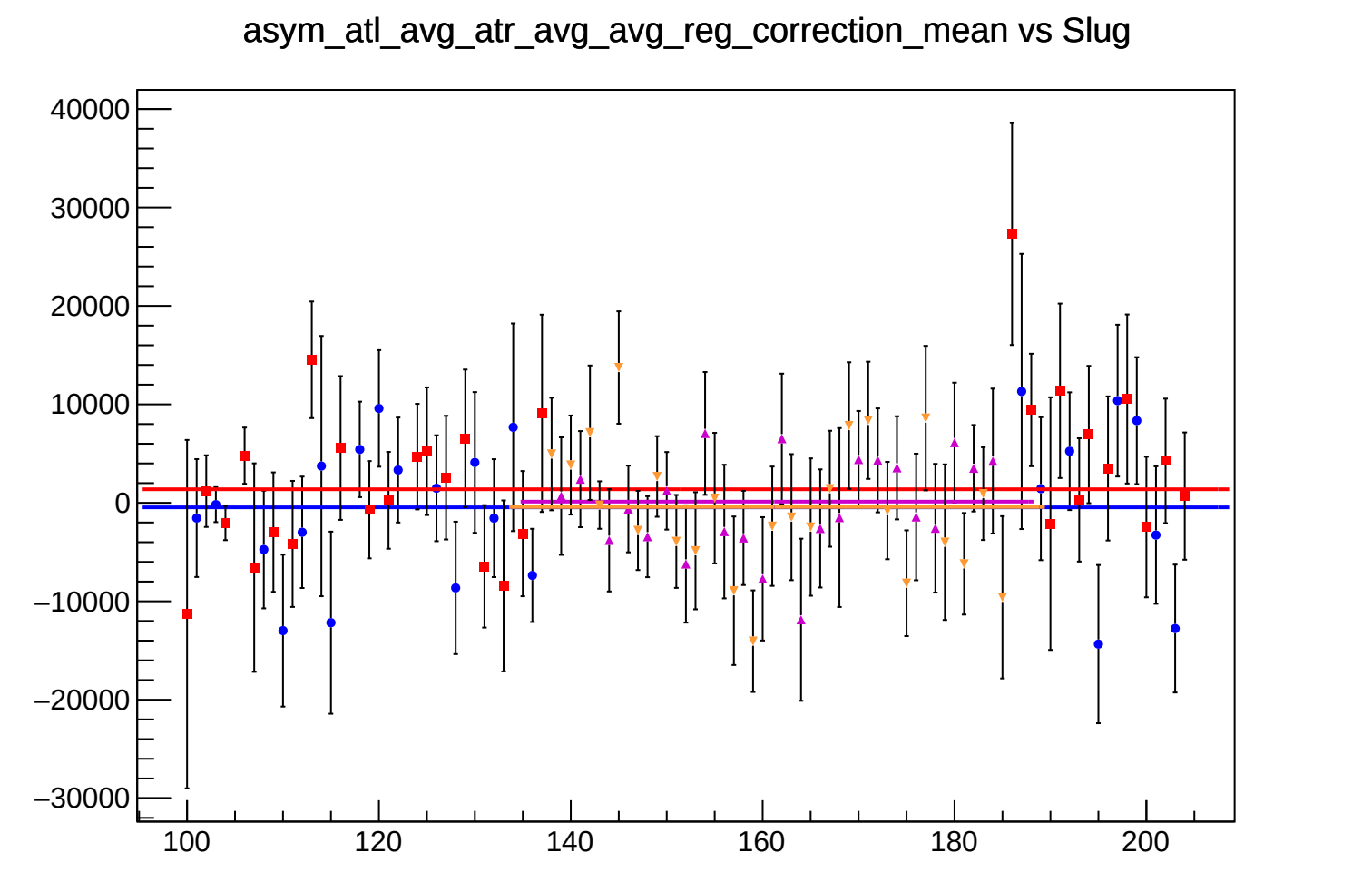
Right Out: 1314.214+/-0.241 χ^2/NDF: 490037.7/29

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1293.085+/-0.161 χ^2/NDF: 712852.4/48

All: 1292.788+/-0.113 χ^2/NDF: 1258559.0/10

- sign 1292.498+/-0.159 χ^2/NDF: 545699.9/52



Right In: -460.231+/-1081.182 χ^2/NDF: 27.0/23

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

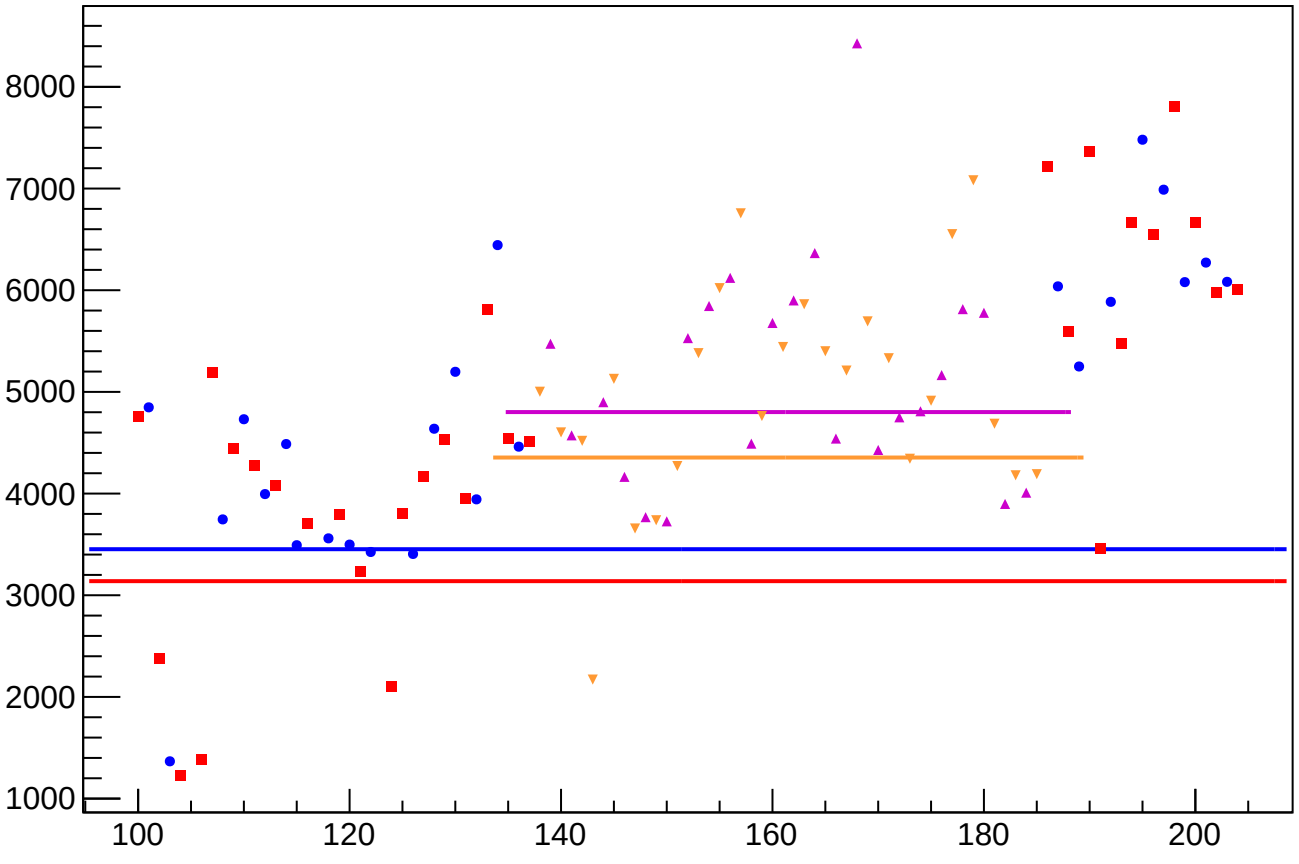
Right Out: 1377.524+/-952.616 χ^2/NDF: 29.4/29

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

\+ sign -443.736+/-748.792 χ^2/NDF: 56.8/48

All: 224.092+/-523.521 χ^2/NDF: 102.1/101

\- sign 862.701+/-732.228 χ^2/NDF: 43.7/52



Right In: 3452.889+/-0.765 χ^2/NDF: 5839853.0/23

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

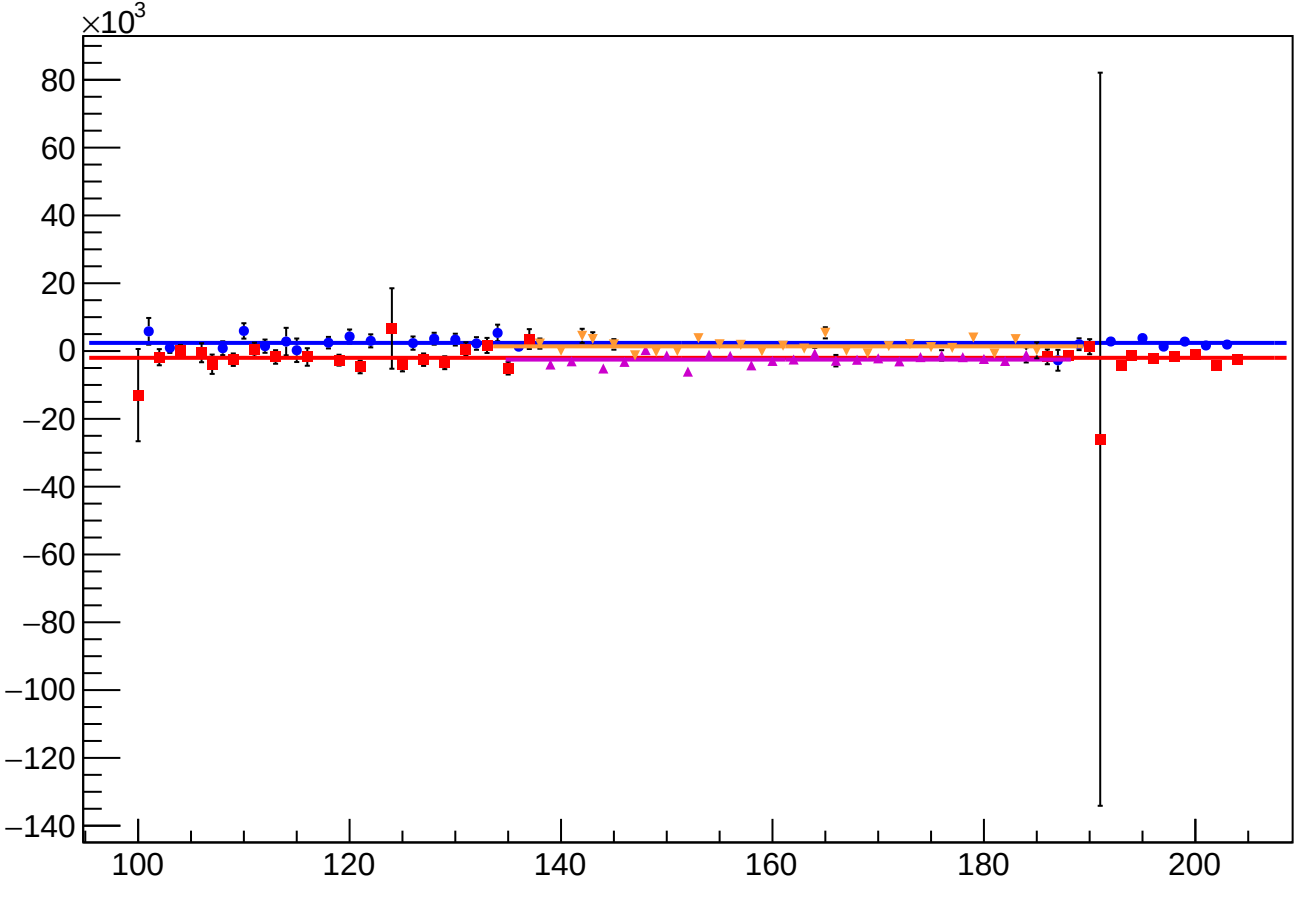
Right Out: 3138.666+/-0.674 χ^2/NDF: 8123292.2/29

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3922.056+/-0.529 χ^2/NDF: 9635044.5/48

All: 3869.422+/-0.370 χ^2/NDF: 21503244.9/1

- sign 3819.091+/-0.518 χ^2/NDF: 11848868.8/52



Right In: 2404.942+/-362.467 χ^2/NDF: 14.1/23

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1999.039+/-341.828 χ^2/NDF: 28.1/29

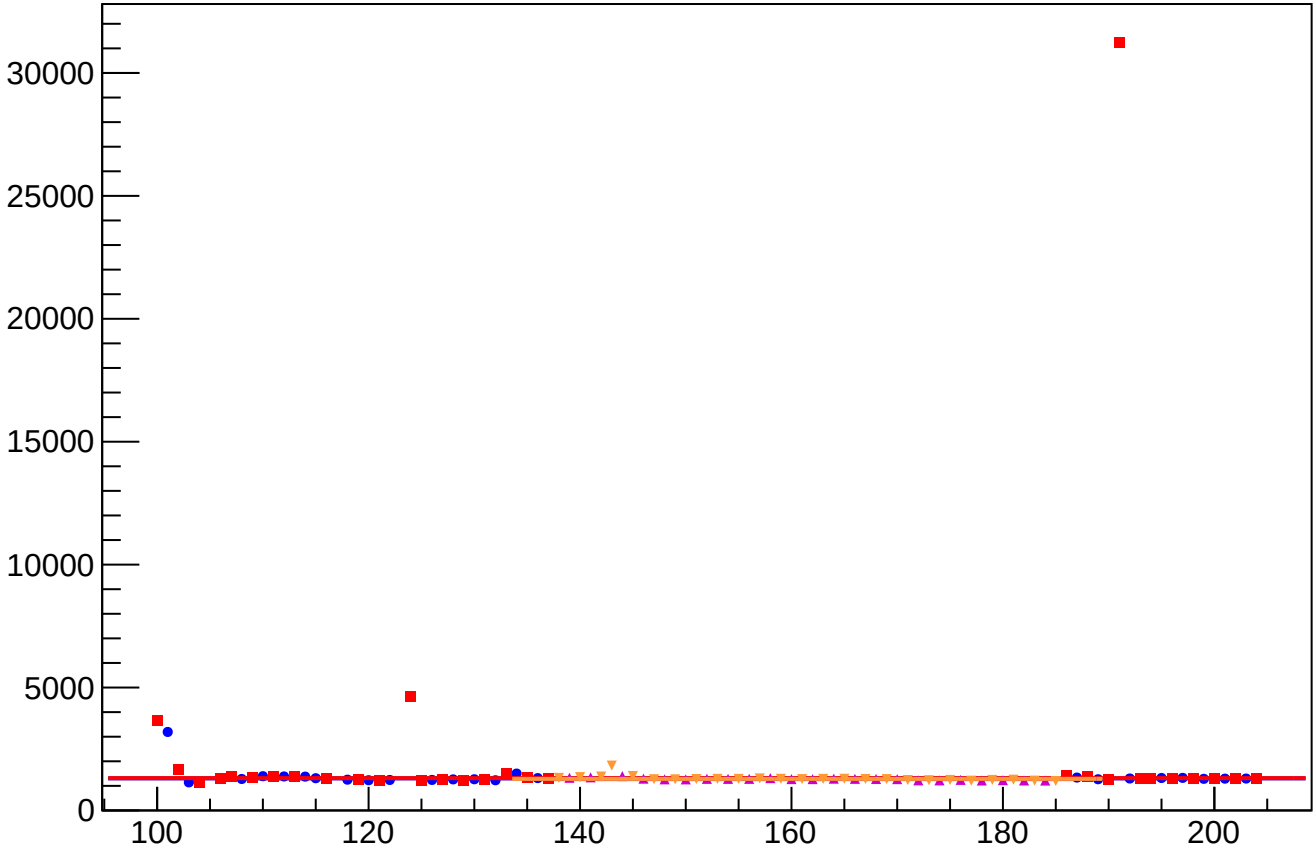
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1786.609+/-227.758 χ^2/NDF: 51.9/48

All: -281.885+/-159.945 χ^2/NDF: 266.5/101

- sign -2294.597+/-224.666 χ^2/NDF: 51.9/52

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1304.483+/-0.256 χ^2/NDF: 518558.9/23

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

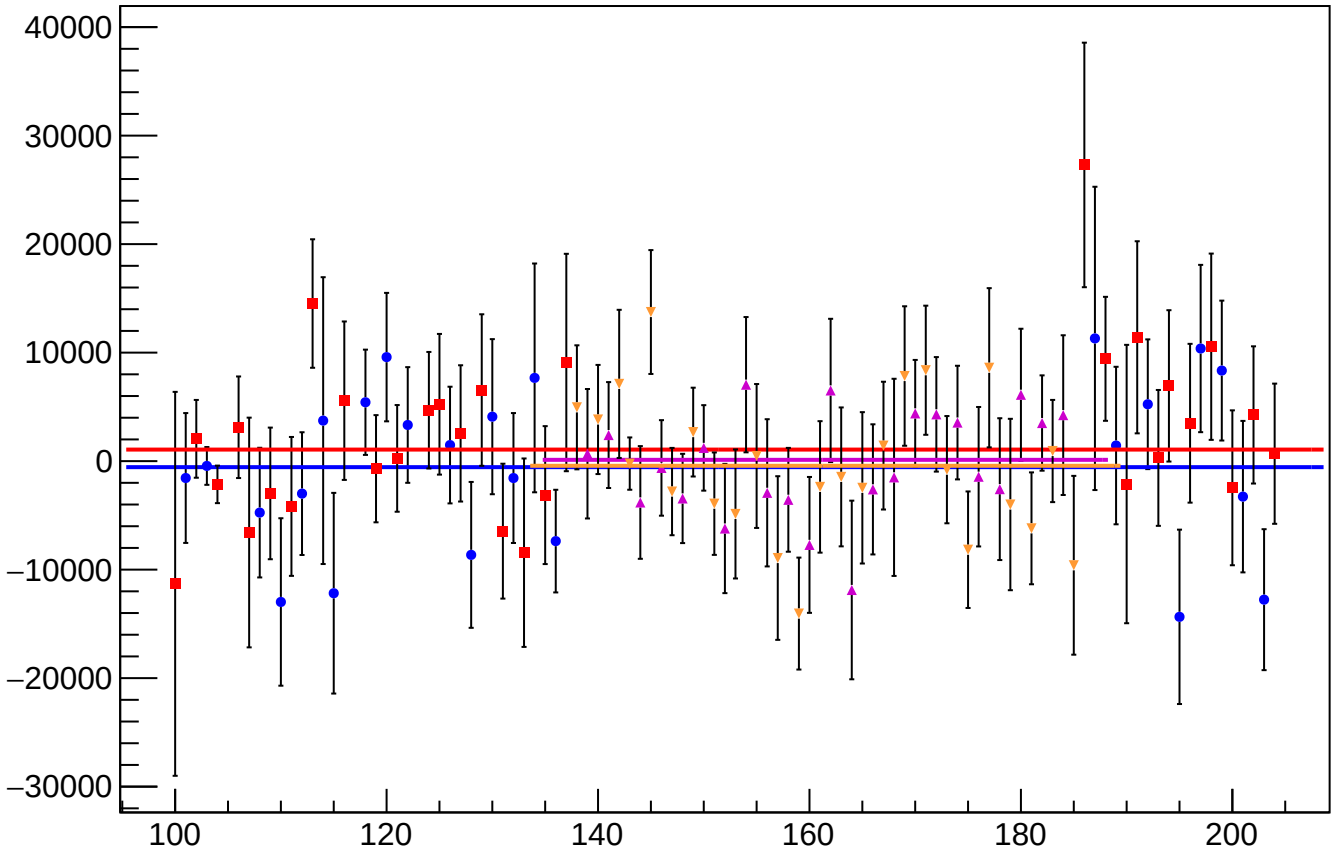
Right Out: 1314.753+/-0.241 χ^2/NDF: 489583.0/29

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1293.085+/-0.161 χ^2/NDF: 712853.9/48

All: 1292.902+/-0.113 χ^2/NDF: 1258499.7/10

- sign 1292.724+/-0.159 χ^2/NDF: 545643.2/52



Right In: -555.448+/-1073.399 χ^2/NDF: 27.0/23

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

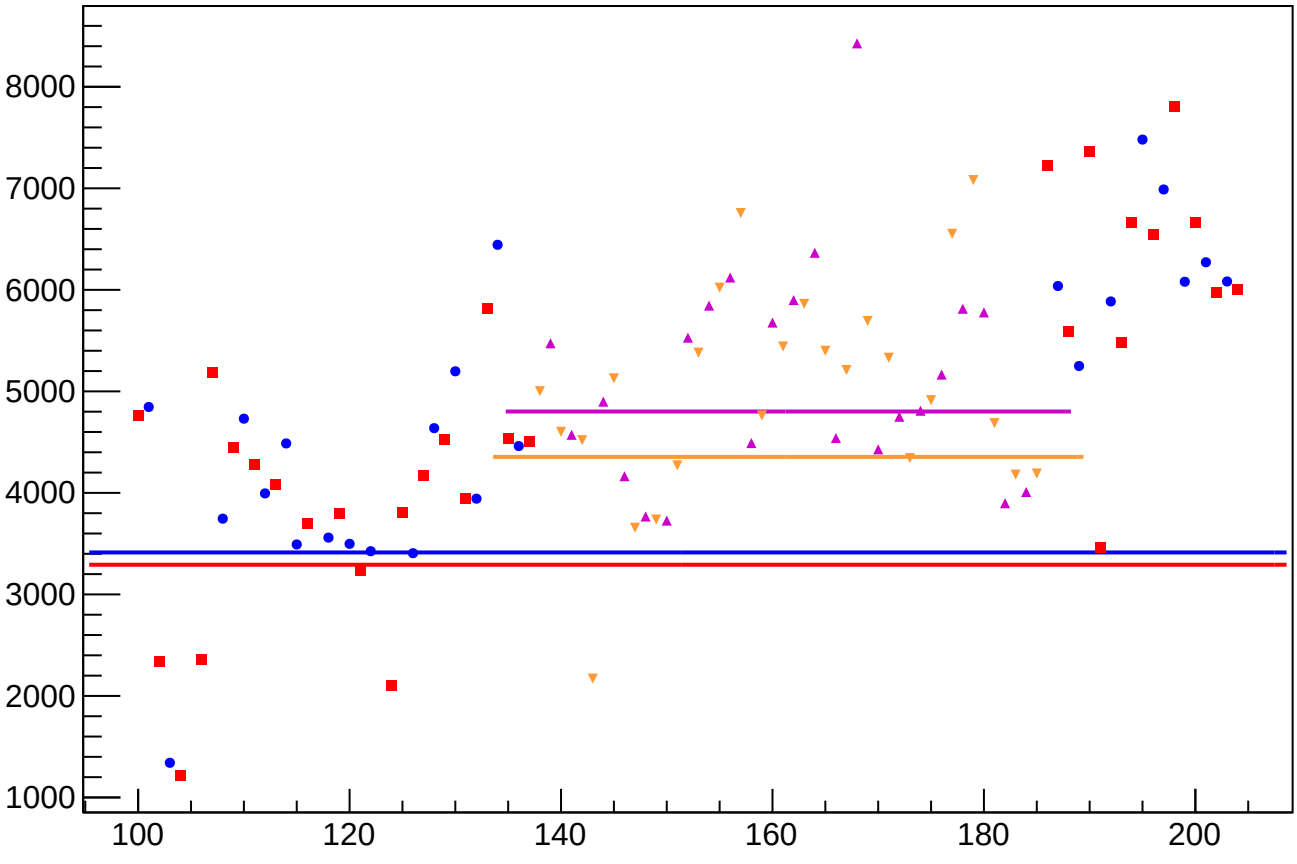
Right Out: 1064.137+/-983.702 χ^2/NDF: 28.4/29

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -489.861+/-746.191 χ^2/NDF: 56.8/48

All: 86.558+/-527.592 χ^2/NDF: 100.4/101

- sign 662.783+/-746.065 χ^2/NDF: 42.4/52



Right In: 3413.385+/-0.759 χ^2/NDF: 6015077.3/23

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

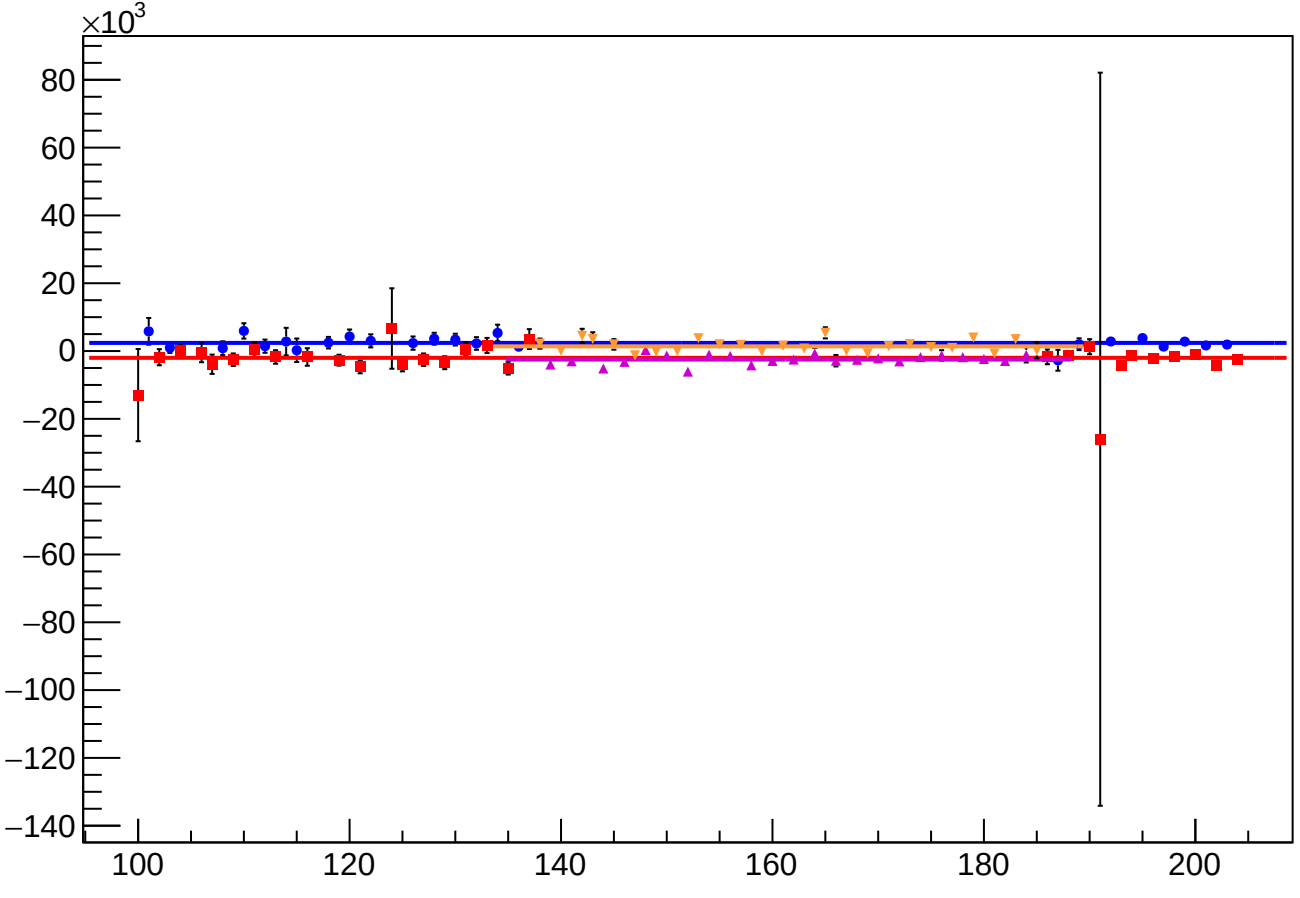
Right Out: 3292.415+/-0.696 χ^2/NDF: 7463652.6/29

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3899.706+/-0.528 χ^2/NDF: 9881077.8/48

All: 3916.600+/-0.373 χ^2/NDF: 20578283.1/1

- sign 3933.489+/-0.528 χ^2/NDF: 10695155.3/52



Right In: 2404.942+/-362.467 χ^2/NDF: 14.1/23

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1999.039+/-341.828 χ^2/NDF: 28.1/29

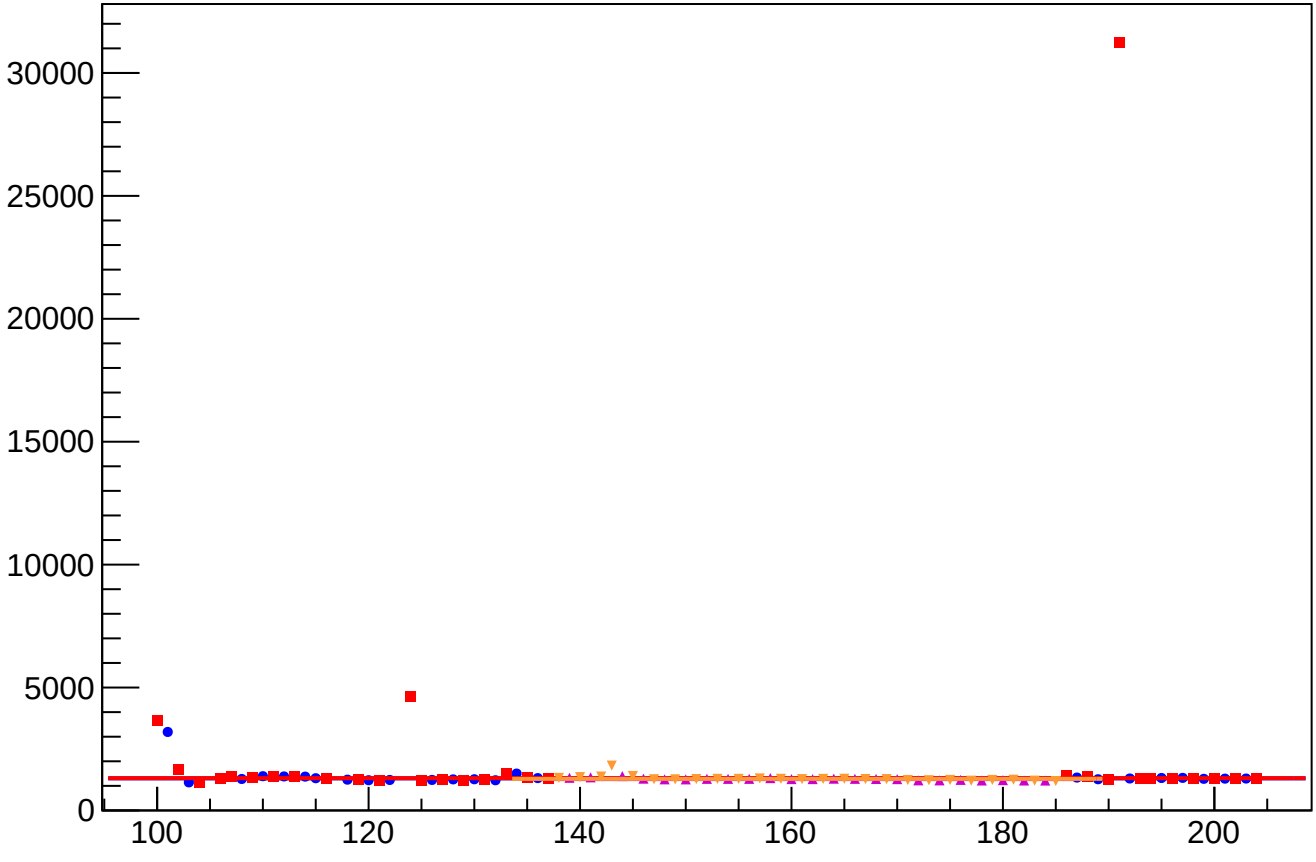
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1786.609+/-227.758 χ^2/NDF: 51.9/48

All: -281.885+/-159.945 χ^2/NDF: 266.5/101

- sign -2294.597+/-224.666 χ^2/NDF: 51.9/52

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1304.483+/-0.256 χ^2/NDF: 518558.9/23

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

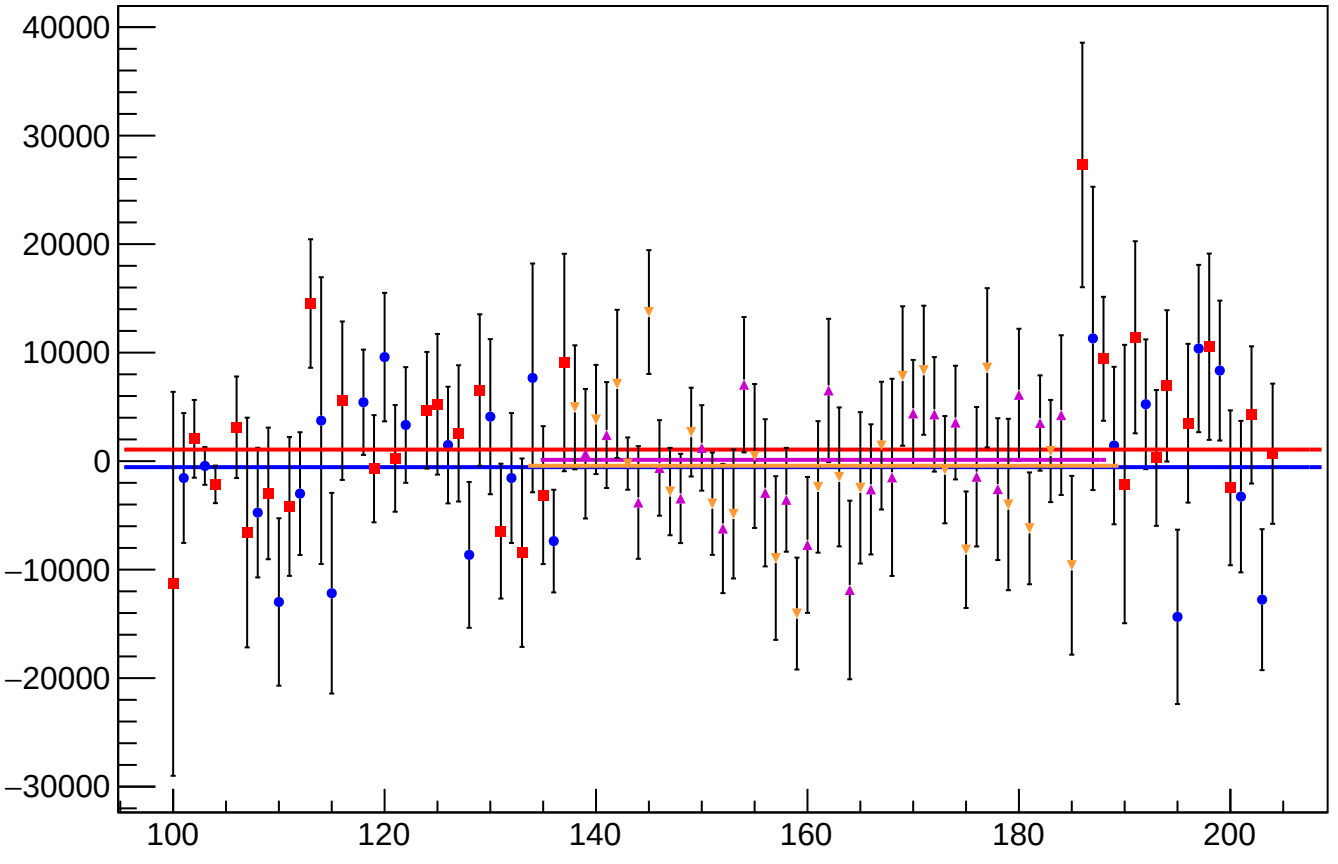
Right Out: 1314.753+/-0.241 χ^2/NDF: 489583.0/29

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1293.085+/-0.161 χ^2/NDF: 712853.9/48

All: 1292.902+/-0.113 χ^2/NDF: 1258499.7/10

- sign 1292.724+/-0.159 χ^2/NDF: 545643.2/52



Right In: -555.448+/-1073.399 χ^2/NDF: 27.0/23

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

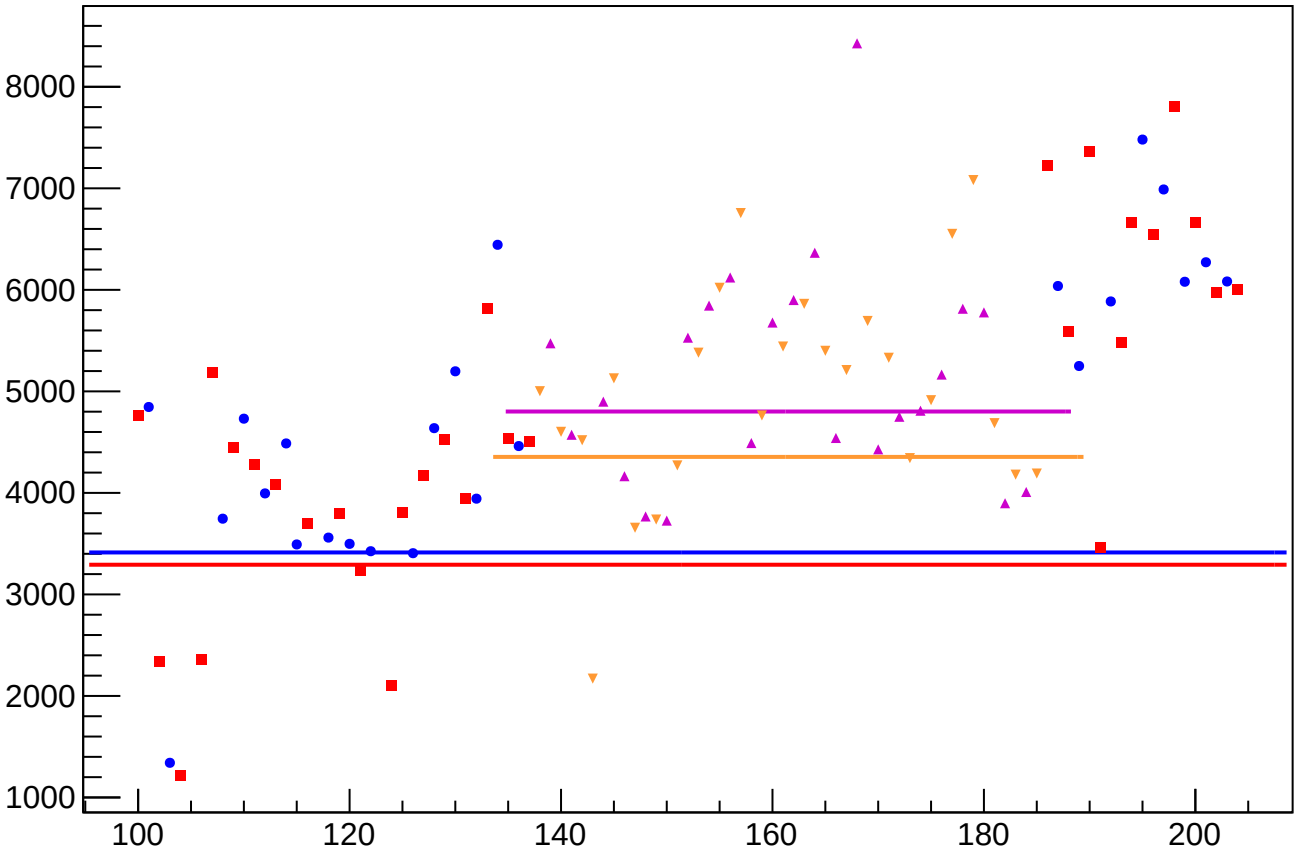
Right Out: 1064.137+/-983.702 χ^2/NDF: 28.4/29

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -489.861+/-746.191 χ^2/NDF: 56.8/48

All: 86.558+/-527.592 χ^2/NDF: 100.4/101

- sign 662.783+/-746.065 χ^2/NDF: 42.4/52



Right In: 3413.385+/-0.759 χ^2/NDF: 6015077.3/23

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3292.415+/-0.696 χ^2/NDF: 7463652.6/29

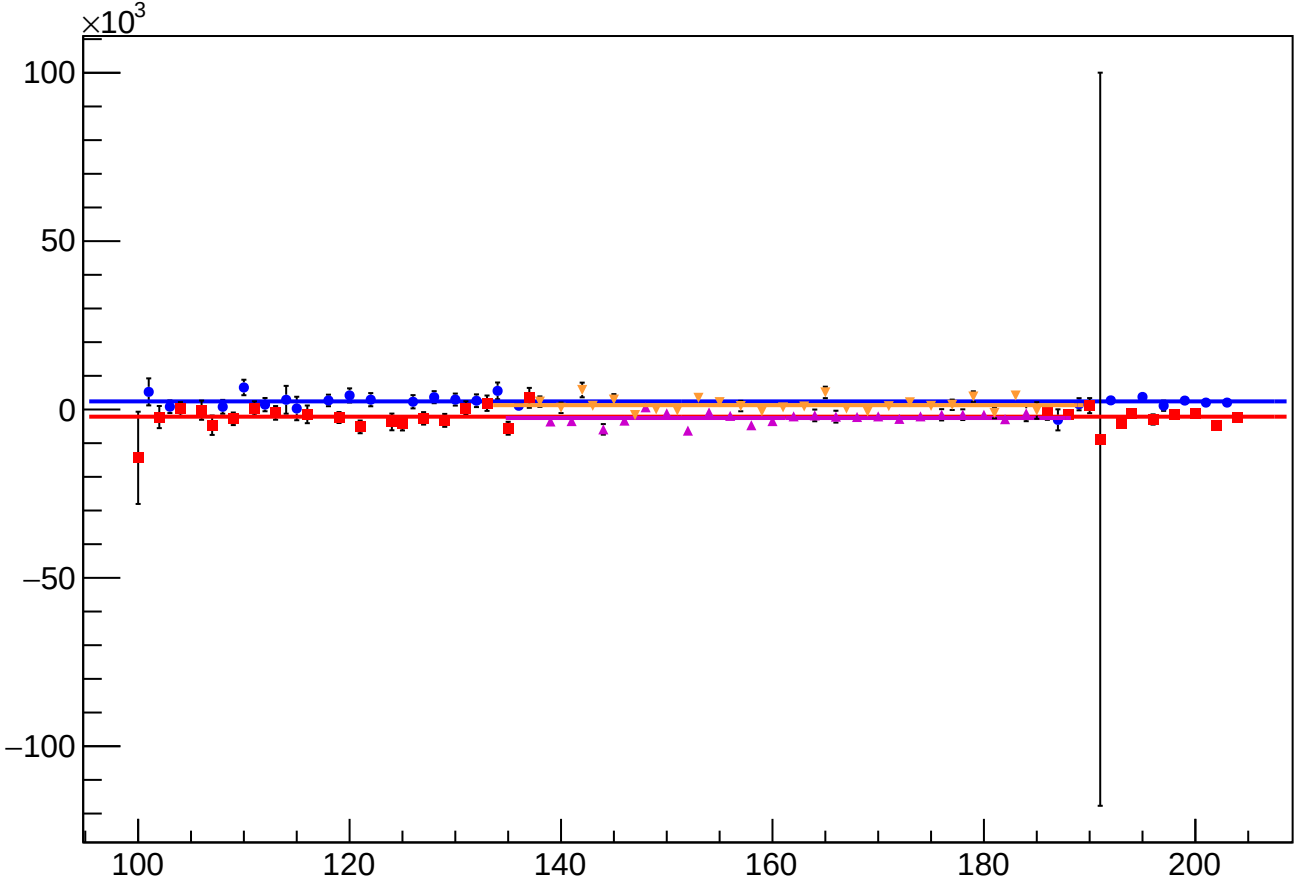
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

\+ sign 3899.706+/-0.528 χ^2/NDF: 9881077.8/48

All: 3916.600+/-0.373 χ^2/NDF: 20578283.1/1

\- sign 3933.489+/-0.528 χ^2/NDF: 10695155.3/52

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2411.097+/-373.476 χ^2/NDF: 14.5/23

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -2130.862+/-349.148 χ^2/NDF: 29.7/29

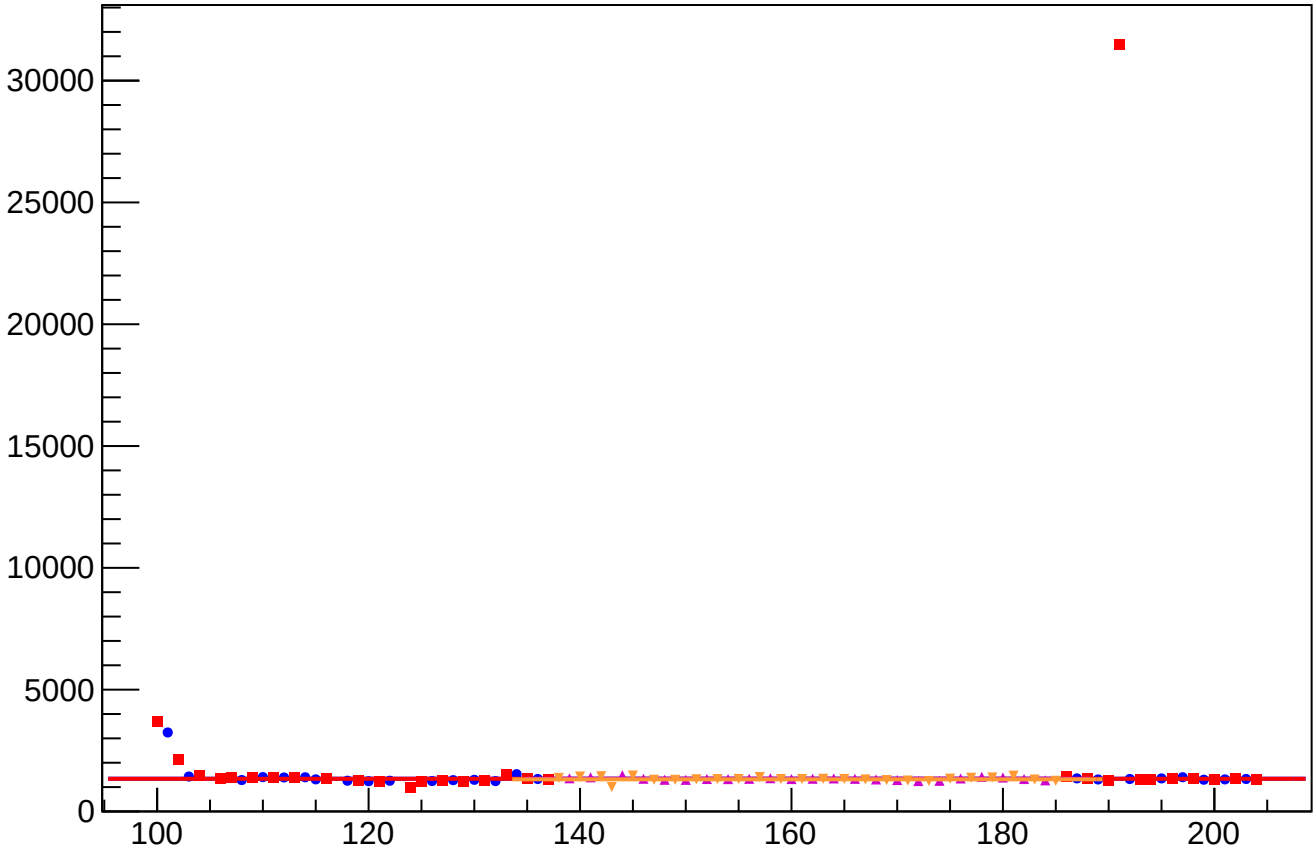
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1727.234+/-234.138 χ^2/NDF: 53.4/48

All: -322.821+/-165.162 χ^2/NDF: 261.5/101

- sign -2353.221+/-233.013 χ^2/NDF: 55.5/52

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1344.108+/-0.264 χ^2/NDF: 501025.7/23

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

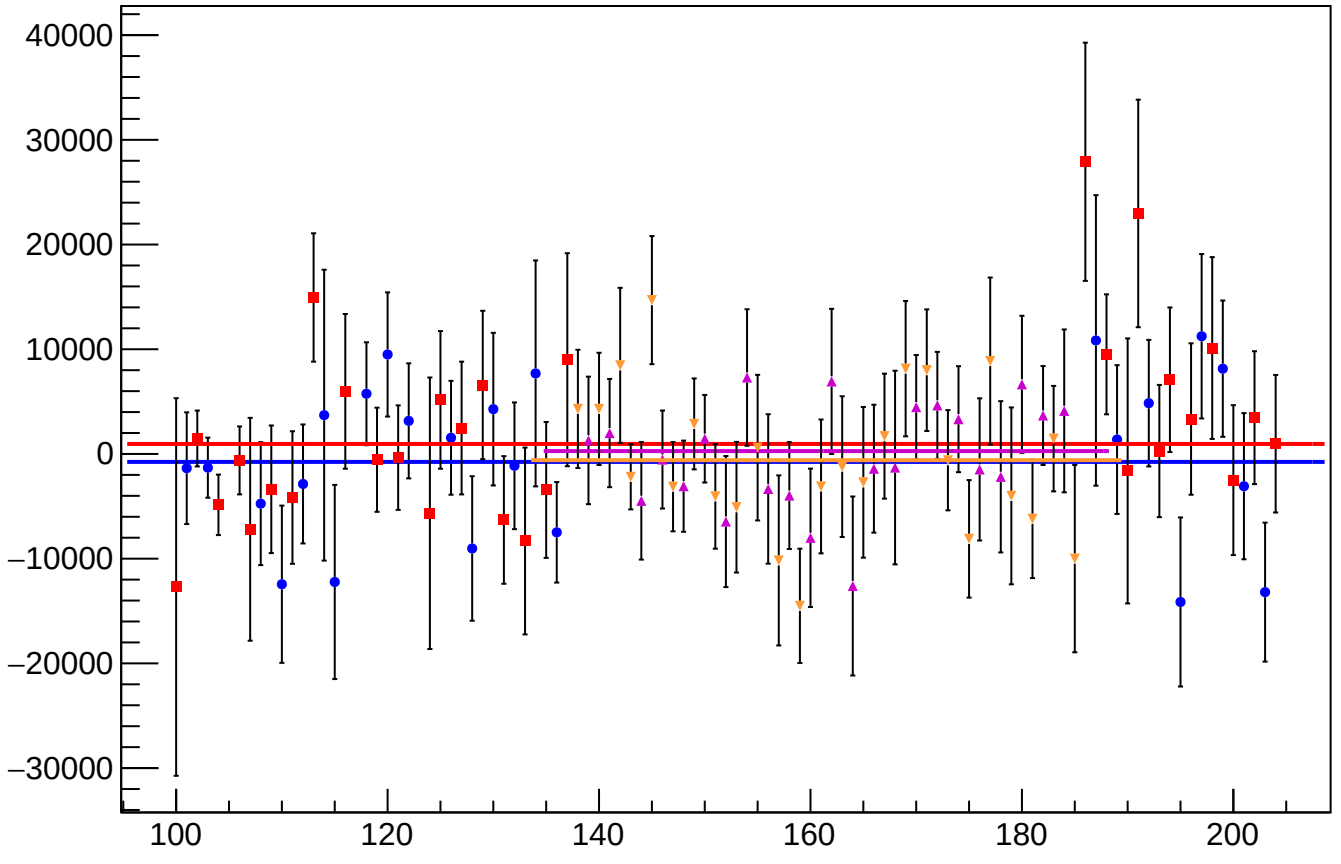
Right Out: 1341.009+/-0.247 χ^2/NDF: 435139.6/29

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1328.367+/-0.166 χ^2/NDF: 755426.7/48

All: 1334.049+/-0.117 χ^2/NDF: 1247211.5/10

- sign 1339.675+/-0.165 χ^2/NDF: 489440.8/52



Right In: -758.673+/-1233.004 χ^2/NDF: 26.9/23

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

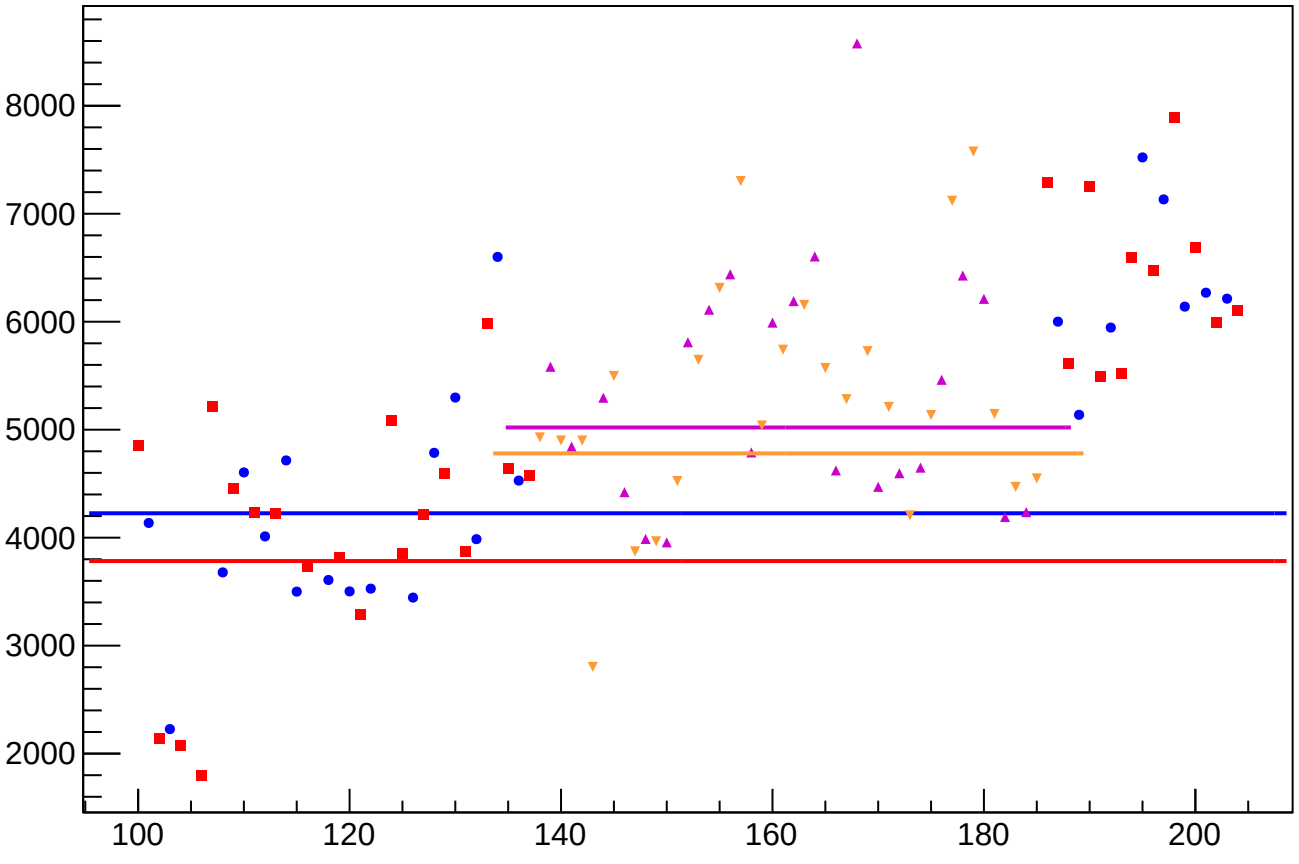
Right Out: 956.369+/-1059.718 χ^2/NDF: 31.8/29

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -669.114+/-829.964 χ^2/NDF: 56.4/48

All: 23.285+/-573.507 χ^2/NDF: 103.1/101

- sign 656.010+/-793.394 χ^2/NDF: 45.4/52



Right In: 4225.858+/-0.872 χ^2/NDF: 2669222.1/23

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3783.417+/-0.749 χ^2/NDF: 5166679.6/29

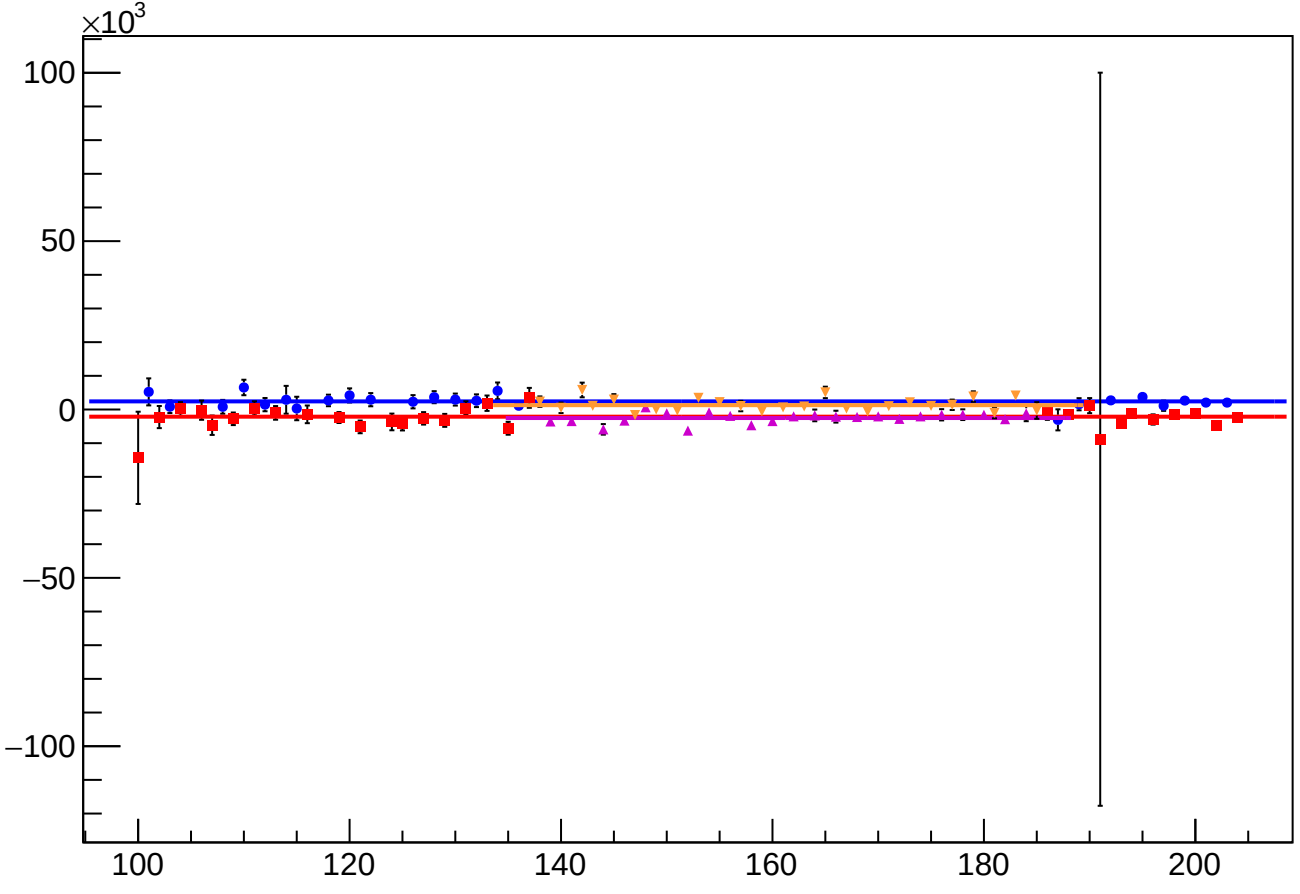
Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4529.137+/-0.587 χ^2/NDF: 4896713.1/48

All: 4423.573+/-0.406 χ^2/NDF: 12548306.8/1

- sign 4327.107+/-0.561 χ^2/NDF: 7589671.8/52

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2411.093+/-373.476 χ^2/NDF: 14.5/23

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -2130.861+/-349.148 χ^2/NDF: 29.7/29

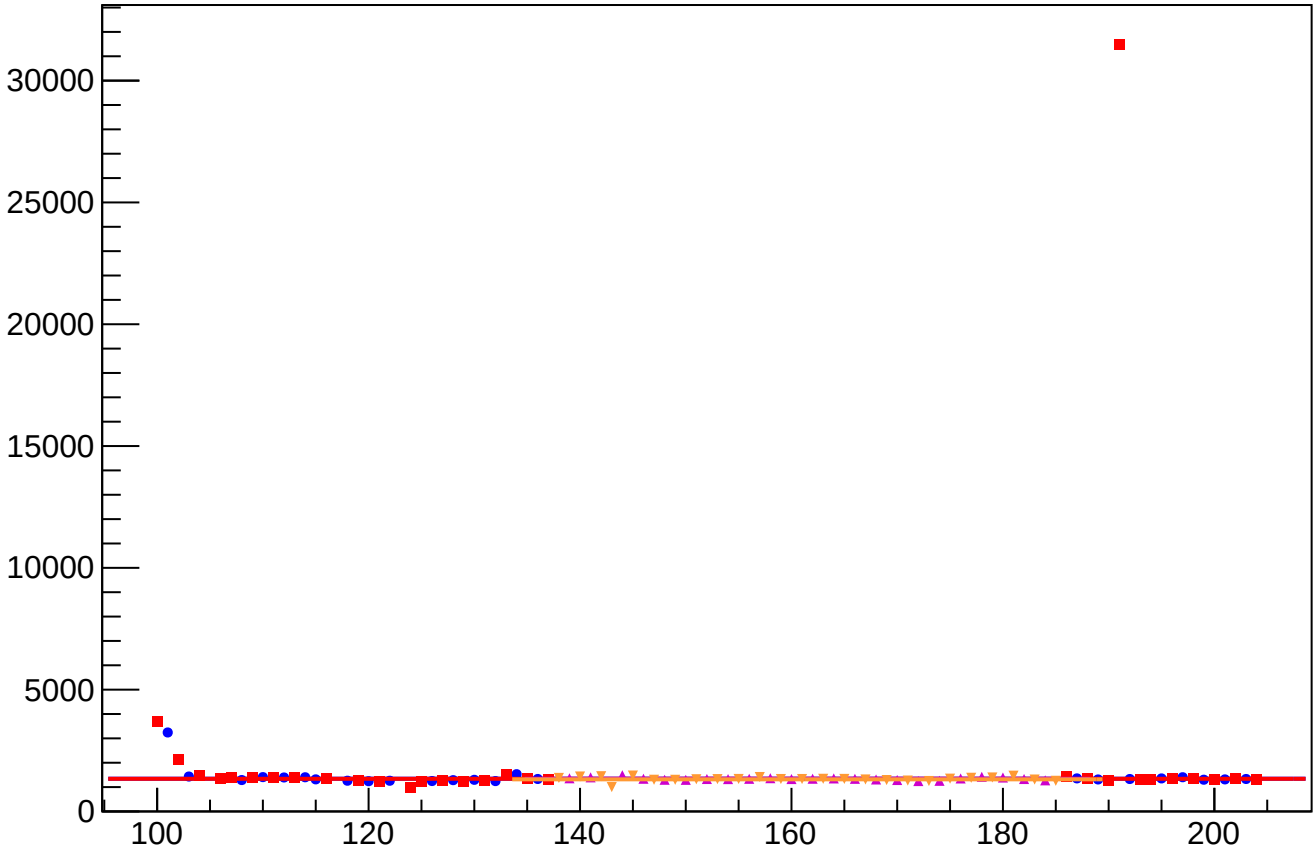
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1727.229+/-234.138 χ^2/NDF: 53.4/48

All: -322.823+/-165.162 χ^2/NDF: 261.5/101

- sign -2353.221+/-233.013 χ^2/NDF: 55.5/52

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1344.108+/-0.264 χ^2/NDF: 501025.8/23

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

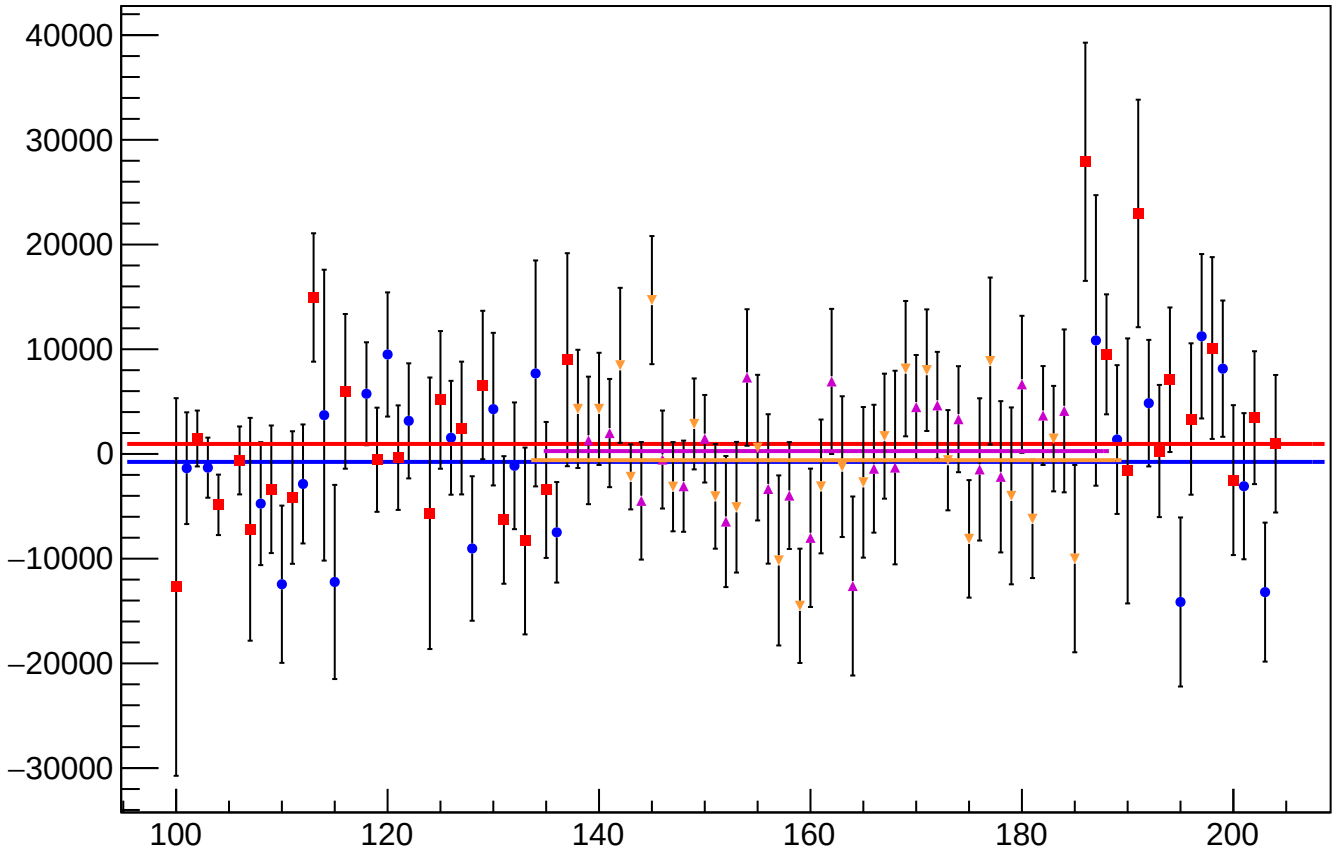
Right Out: 1341.009+/-0.247 χ^2/NDF: 435138.5/29

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1328.368+/-0.166 χ^2/NDF: 755428.7/48

All: 1334.050+/-0.117 χ^2/NDF: 1247214.9/10

- sign 1339.676+/-0.165 χ^2/NDF: 489442.2/52



Right In: -758.667+/-1233.002 χ^2/NDF: 26.9/23

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

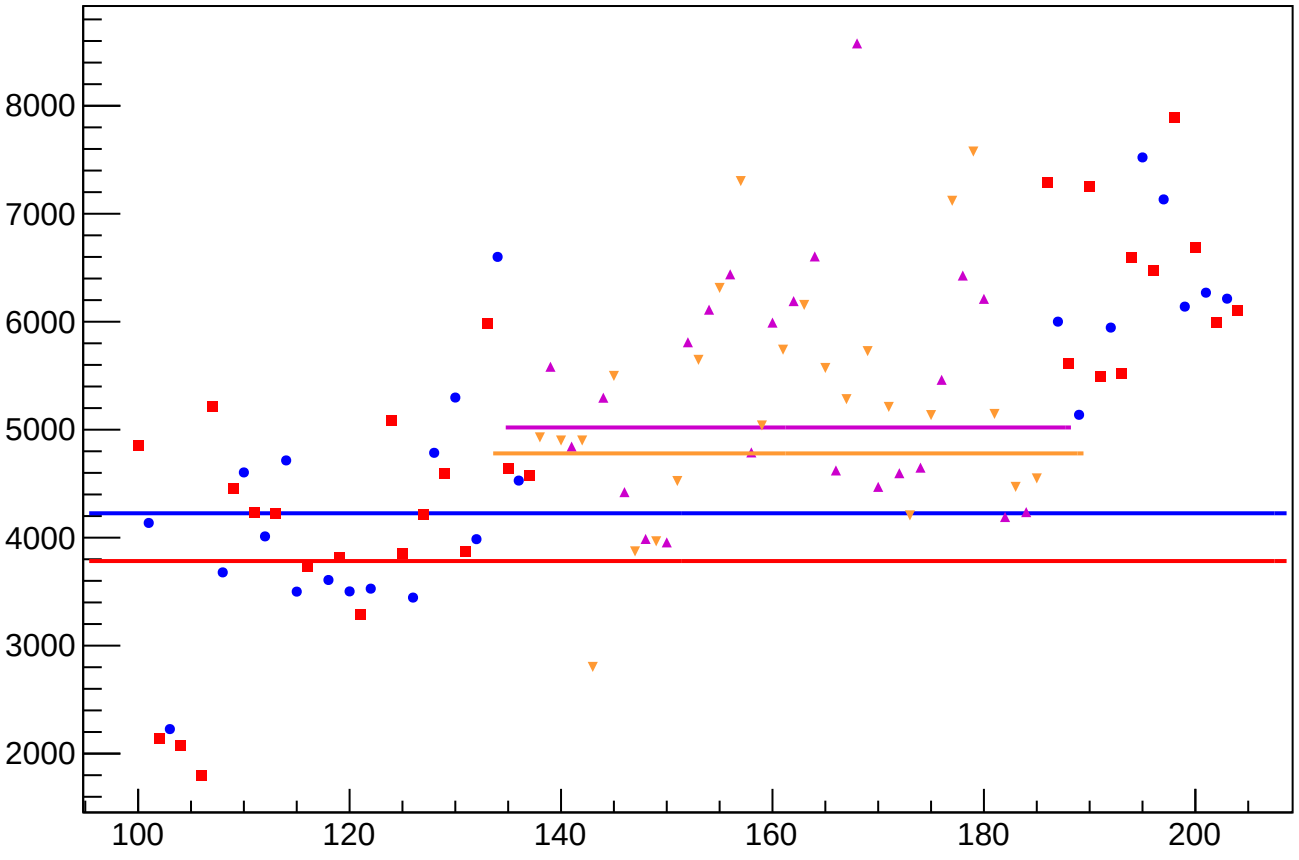
Right Out: 956.363+/-1059.716 χ^2/NDF: 31.8/29

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -669.113+/-829.964 χ^2/NDF: 56.4/48

All: 23.285+/-573.507 χ^2/NDF: 103.1/101

- sign 656.008+/-793.394 χ^2/NDF: 45.4/52



Right In: 4225.850+/-0.872 χ^2/NDF: 2669245.7/23

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3783.408+/-0.749 χ^2/NDF: 5166712.1/29

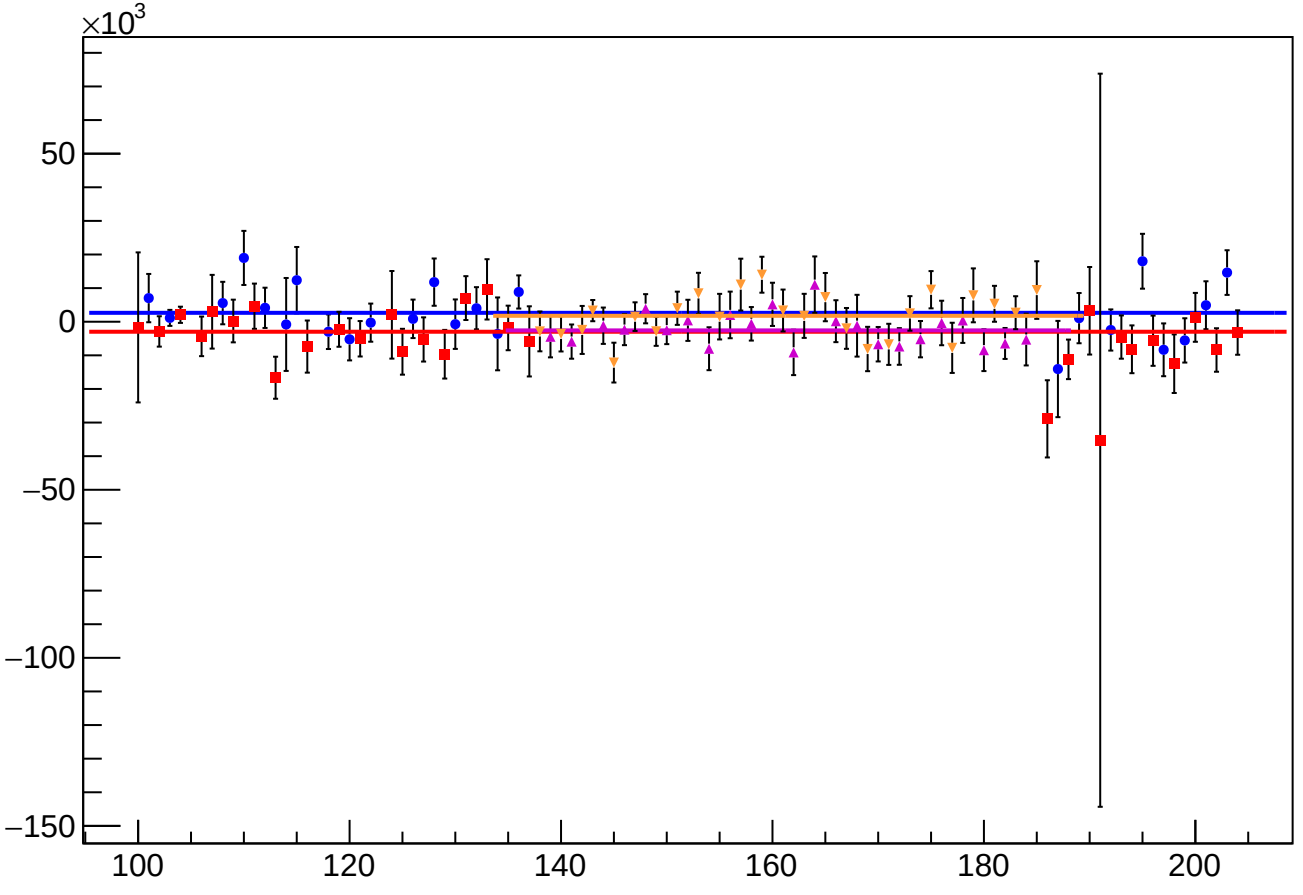
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4529.137+/-0.587 χ^2/NDF: 4896751.0/48

All: 4423.571+/-0.406 χ^2/NDF: 12548414.9/1

- sign 4327.103+/-0.561 χ^2/NDF: 7589739.9/52

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2650.674+/-1227.179 χ^2/NDF: 25.7/23

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -2977.541+/-1160.460 χ^2/NDF: 28.2/29

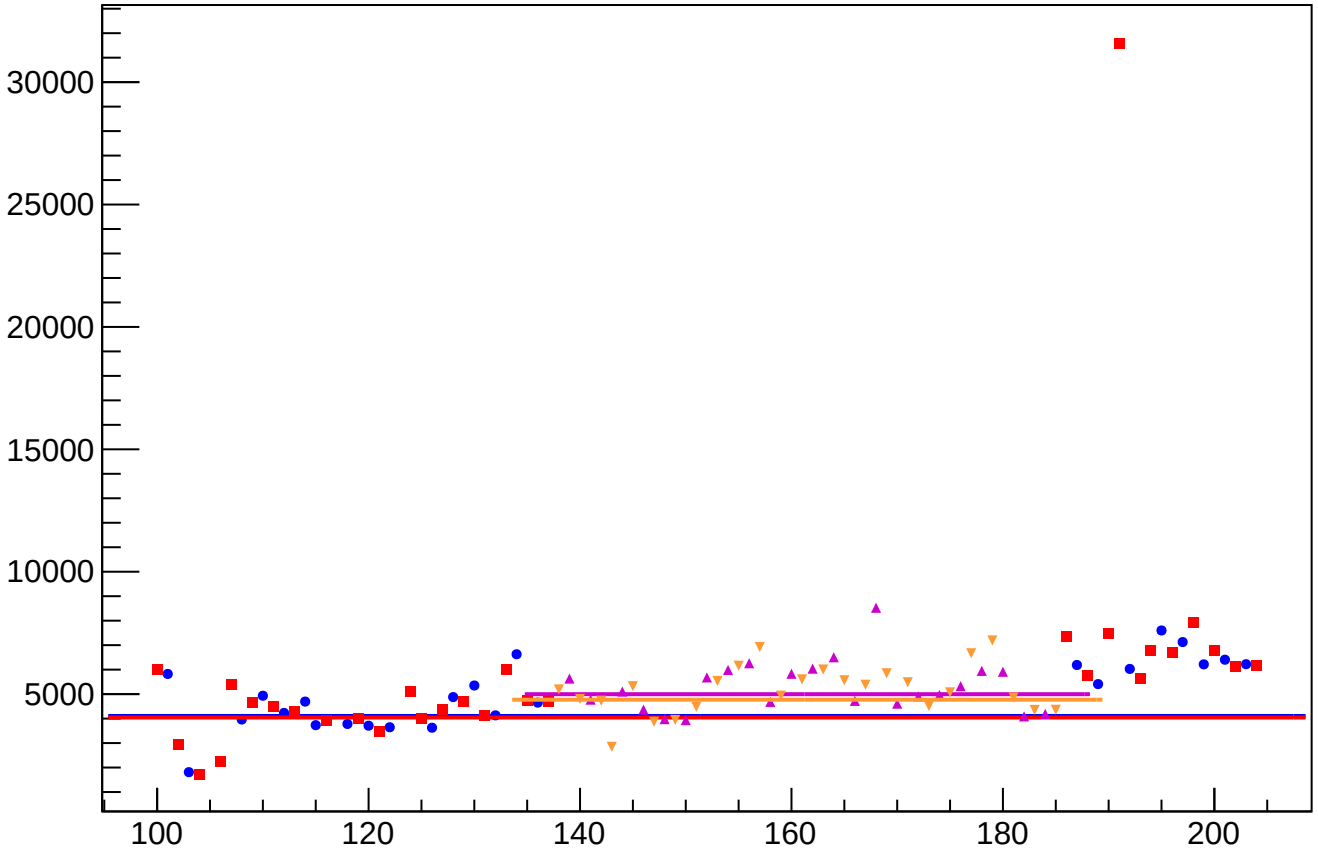
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 2164.184+/-825.739 χ^2/NDF: 53.6/48

All: -296.062+/-585.487 χ^2/NDF: 113.0/101

- sign -2783.487+/-830.287 χ^2/NDF: 41.5/52

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4106.777+/-0.868 χ^2/NDF: 3836355.9/23

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

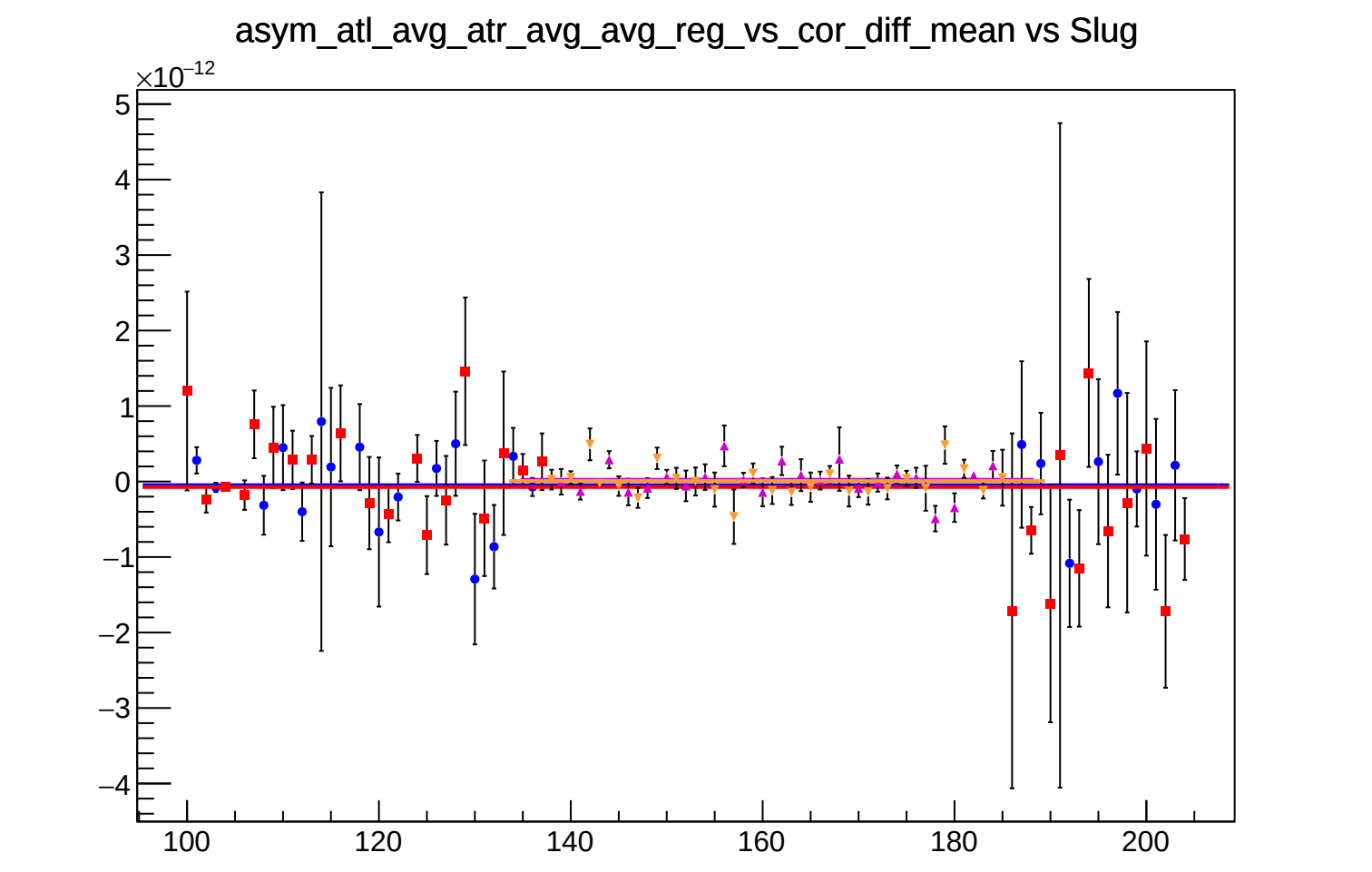
Right Out: 4043.581+/-0.812 χ^2/NDF: 4912171.4/29

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4470.362+/-0.584 χ^2/NDF: 5944256.0/48

All: 4487.100+/-0.413 χ^2/NDF: 12619167.9/1

- sign 4503.842+/-0.584 χ^2/NDF: 6673268.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

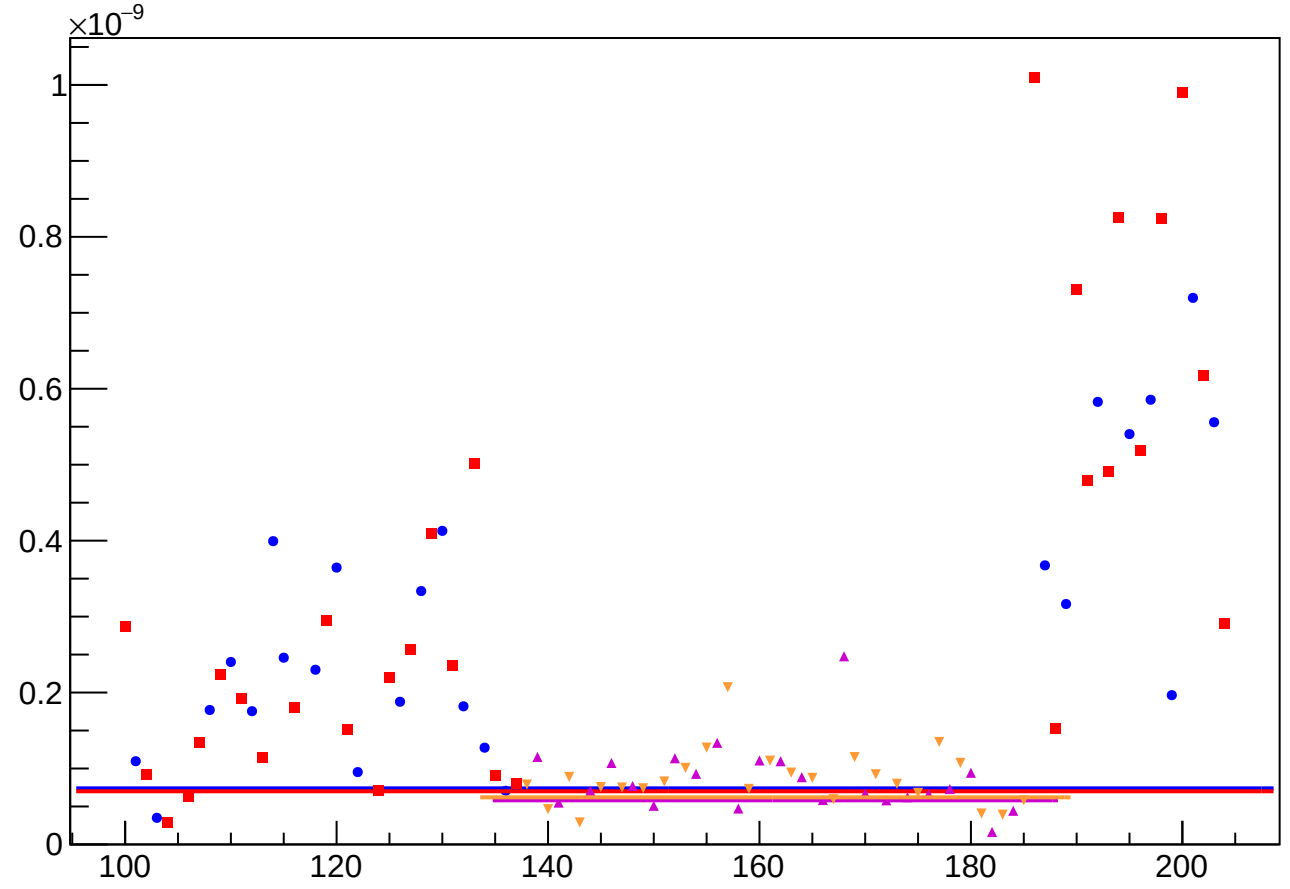
Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/29

Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.3/48

All: -0.000+/-0.000 χ^2/NDF: 112.2/101

- sign 0.000+/-0.000 χ^2/NDF: 66.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 5850230.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

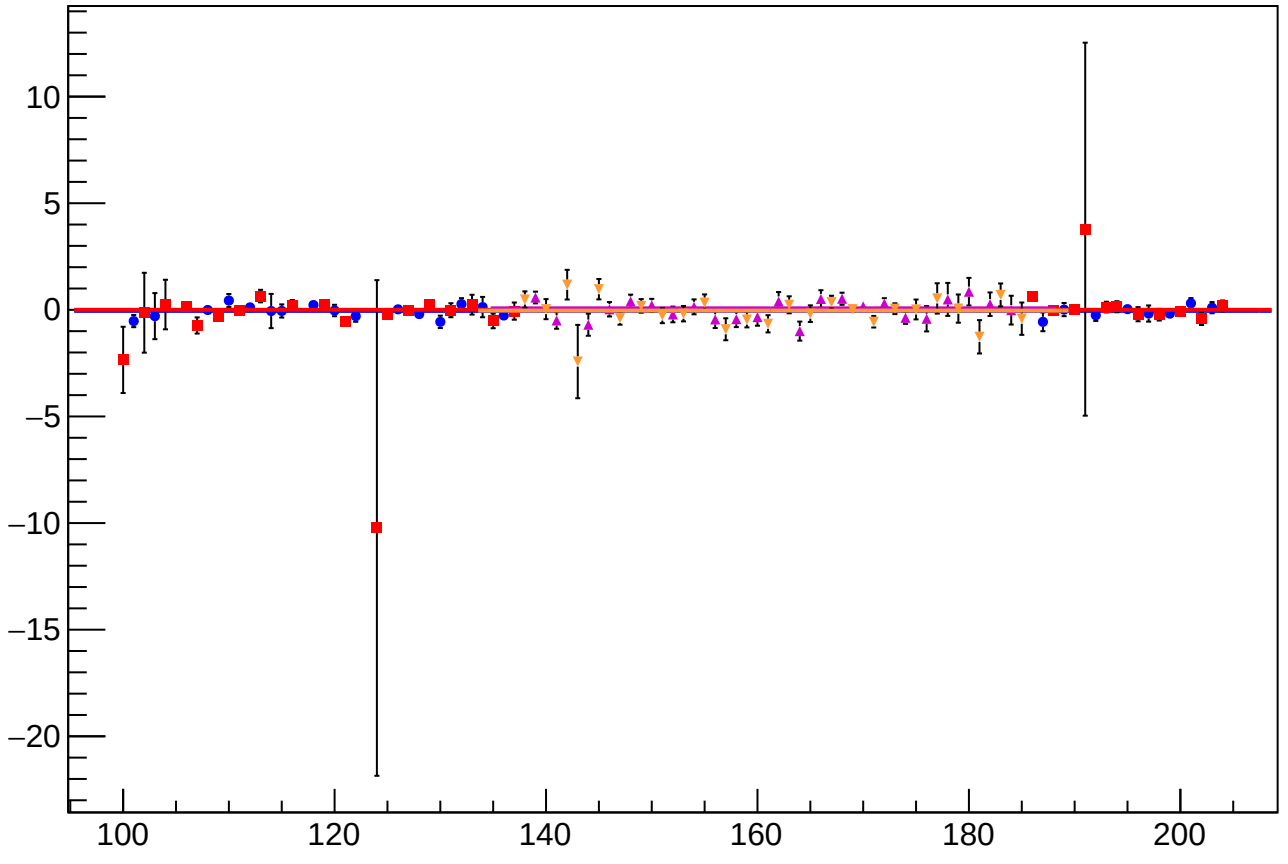
Right Out: 0.000+/-0.000 χ^2/NDF: 7831345.9/29

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8388123.1/48

All: 0.000+/-0.000 χ^2/NDF: 19312302.5/101

- sign 0.000+/-0.000 χ^2/NDF: 10897432.0/52



Right In: -0.047+/-0.055 χ^2/NDF: 20.0/23

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.001+/-0.046 χ^2/NDF: 39.8/29

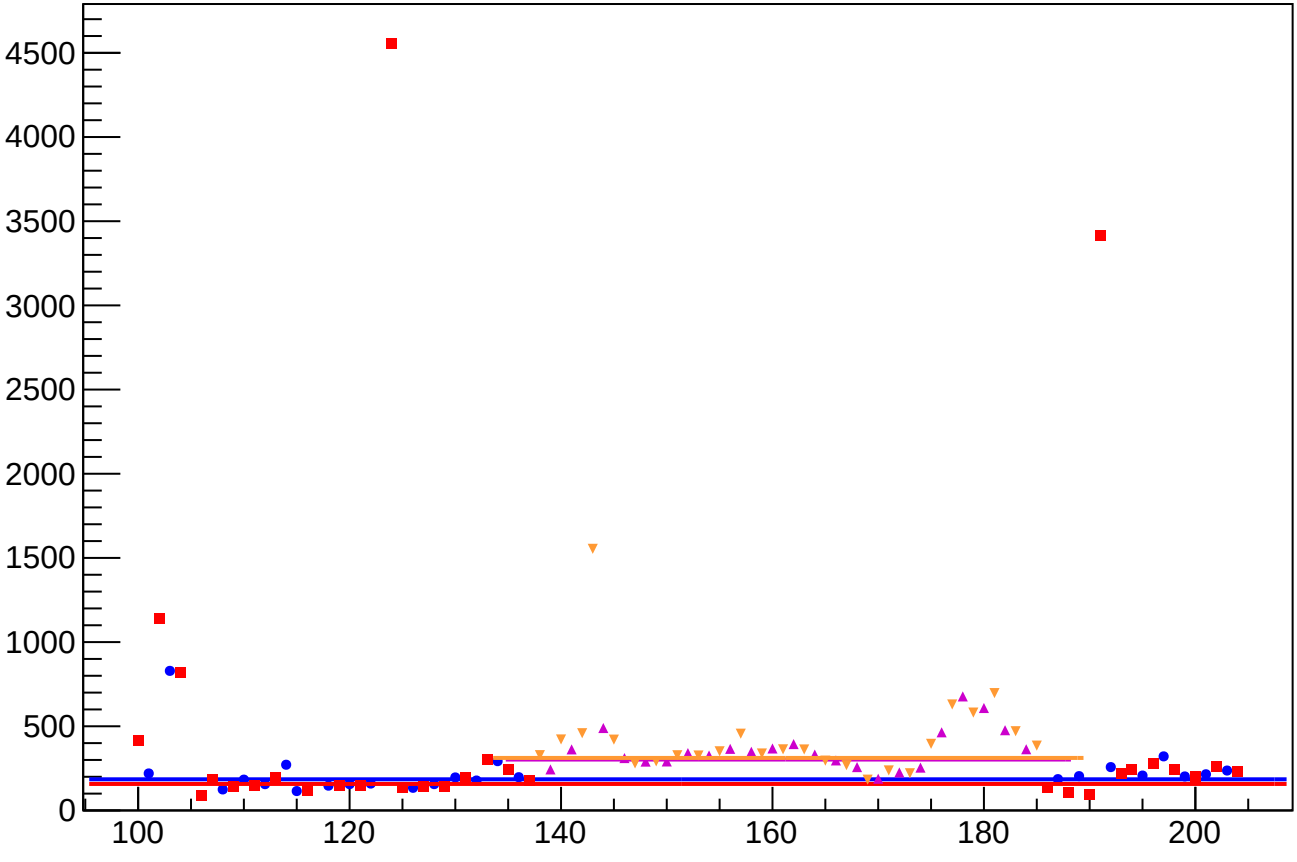
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

\+ sign -0.043+/-0.045 χ^2/NDF: 52.5/48

All: -0.007+/-0.029 χ^2/NDF: 124.0/101

\- sign 0.020+/-0.039 χ^2/NDF: 70.3/52

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 185.062+/-0.039 χ^2/NDF: 1991058.3/23

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

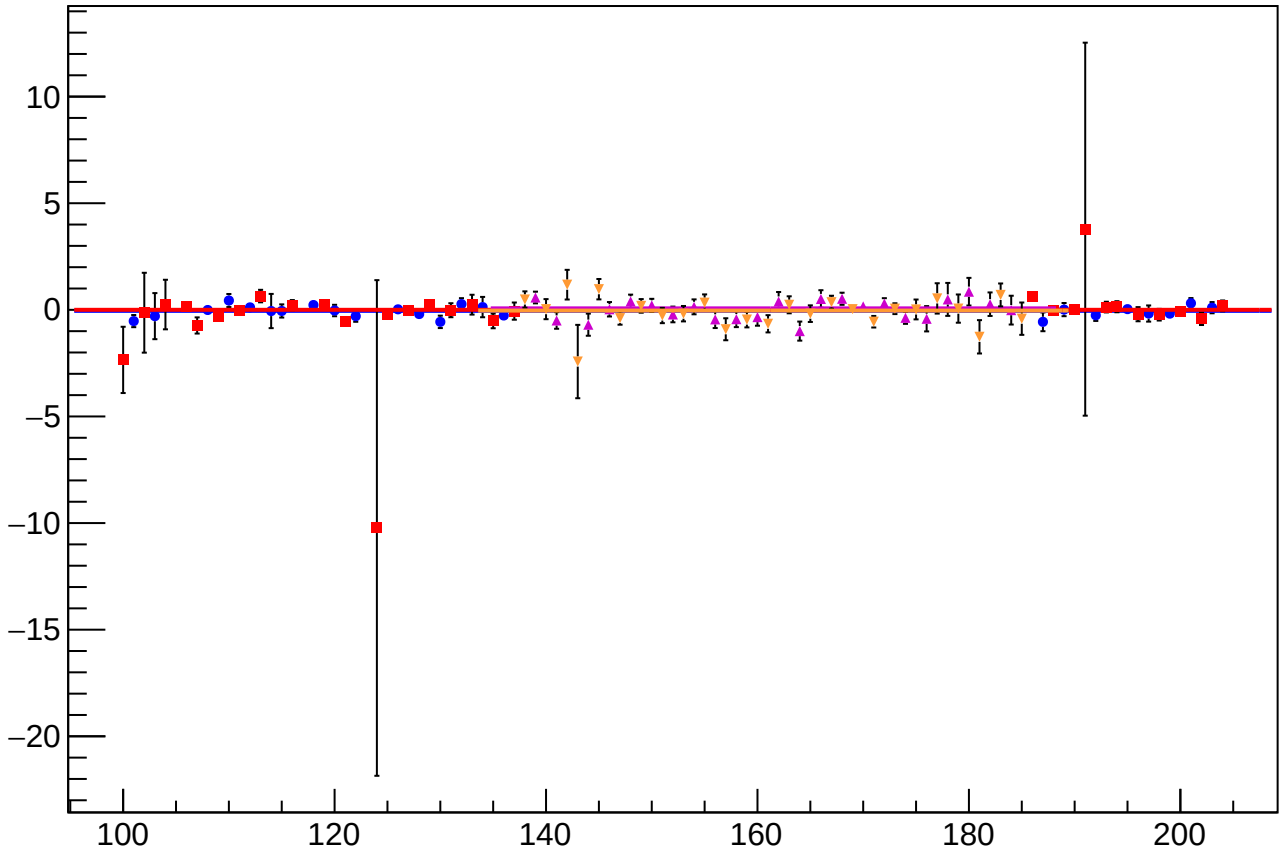
Right Out: 157.391+/-0.032 χ^2/NDF: 4633766.4/29

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 227.985+/-0.032 χ^2/NDF: 9966551.4/48

All: 210.500+/-0.021 χ^2/NDF: 2339875.9/10

- sign 197.019+/-0.028 χ^2/NDF: 12888777.0/52



Right In: -0.047+/-0.055 χ^2/NDF: 20.0/23

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

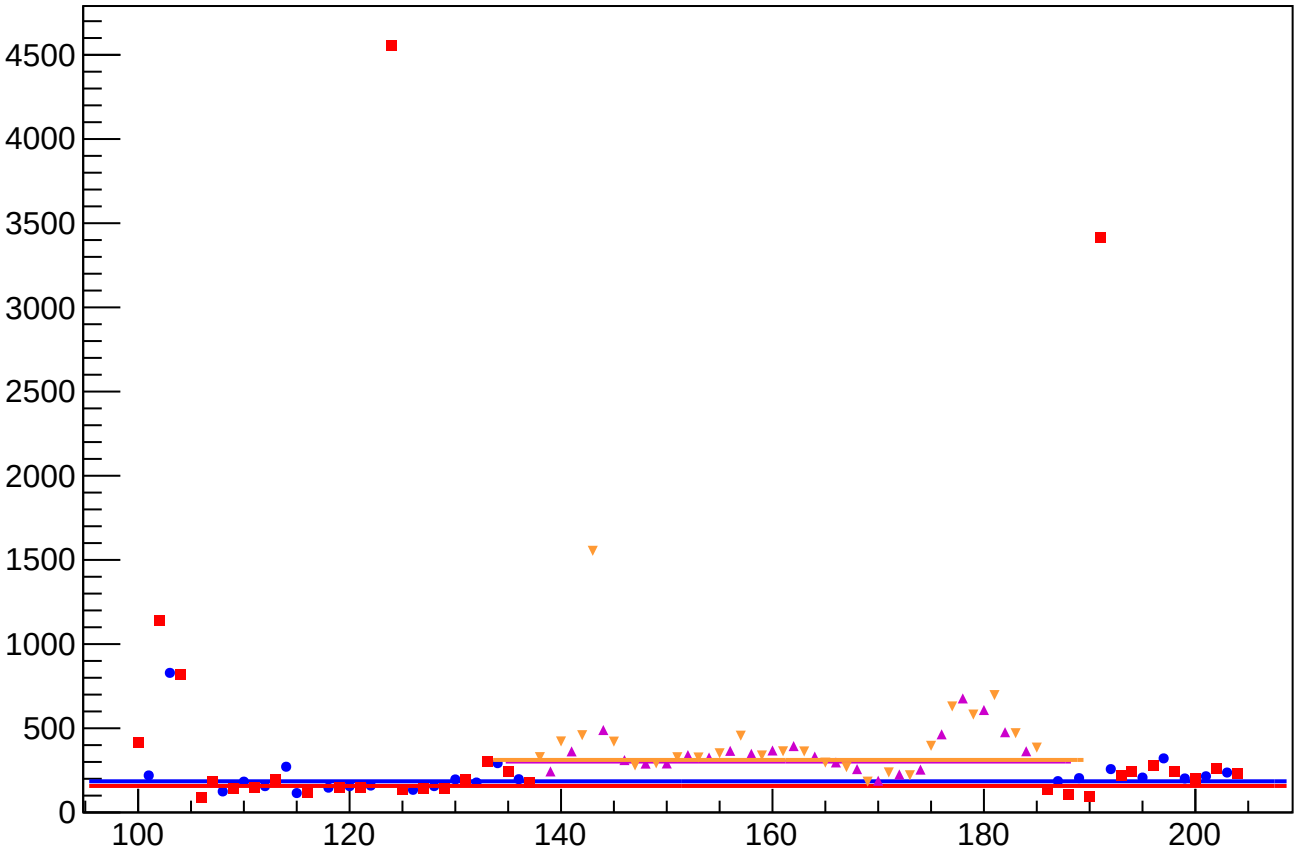
Right Out: 0.001+/-0.046 χ^2/NDF: 39.8/29

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.043+/-0.045 χ^2/NDF: 52.5/48

All: -0.007+/-0.029 χ^2/NDF: 124.0/101

- sign 0.020+/-0.039 χ^2/NDF: 70.3/52



Right In: 185.062+/-0.039 χ^2/NDF: 1991058.3/23

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

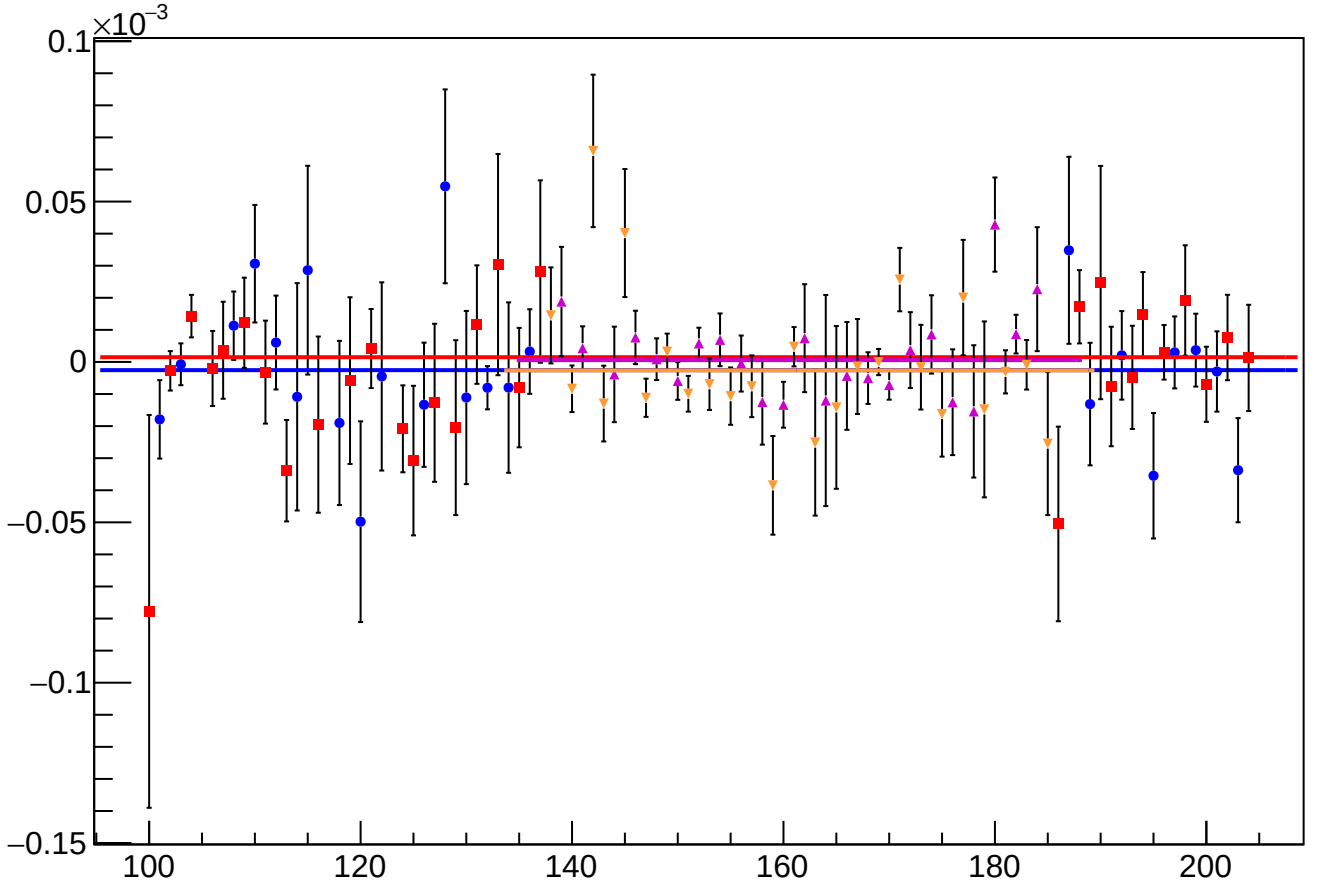
Right Out: 157.391+/-0.032 χ^2/NDF: 4633766.4/29

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 227.985+/-0.032 χ^2/NDF: 9966551.4/48

All: 210.500+/-0.021 χ^2/NDF: 2339875.9/10

- sign 197.019+/-0.028 χ^2/NDF: 12888777.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/23

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

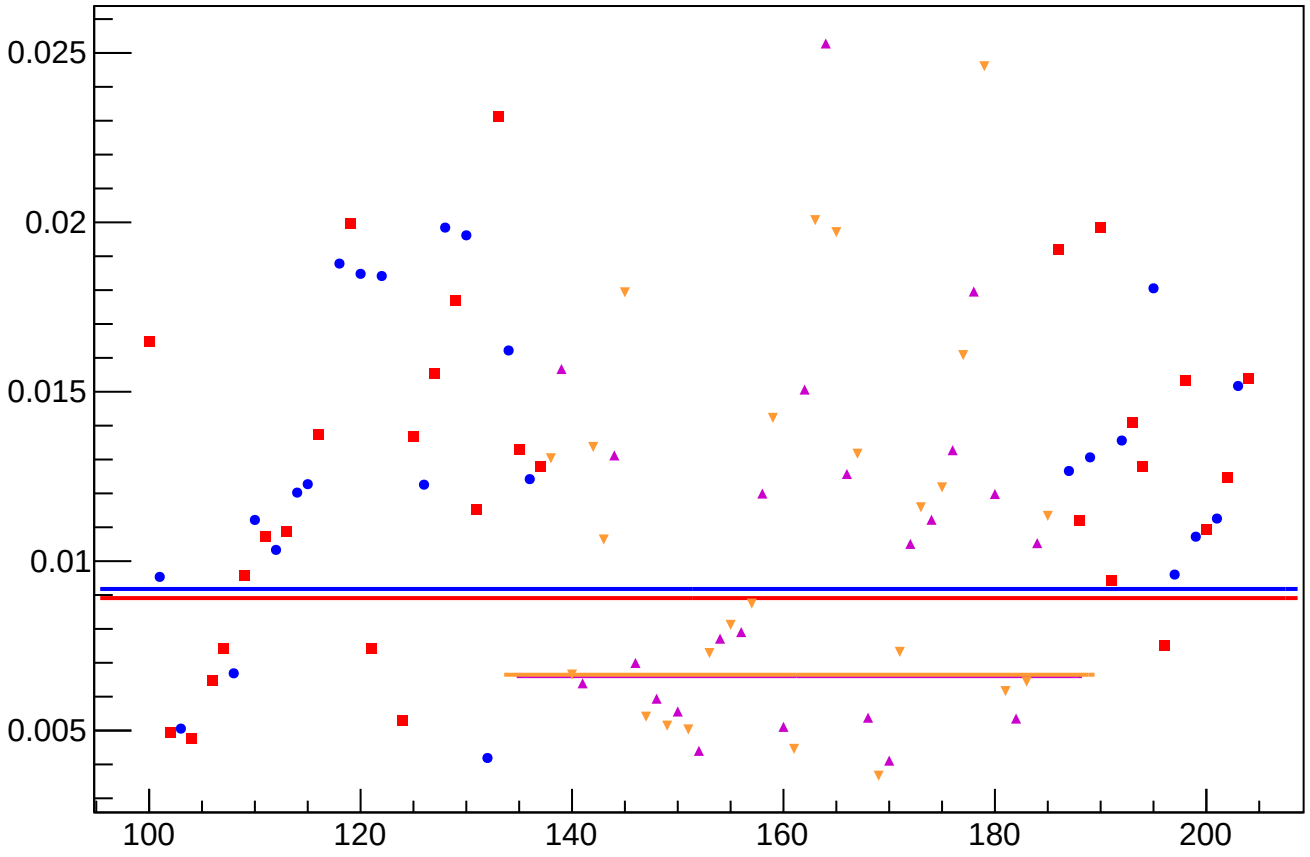
Right Out: 0.000+/-0.000 χ^2/NDF: 28.6/29

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.1/48

All: -0.000+/-0.000 χ^2/NDF: 125.4/101

- sign 0.000+/-0.000 χ^2/NDF: 55.5/52



Right In: 0.009+/-0.000 χ^2/NDF: 4685036.4/23

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

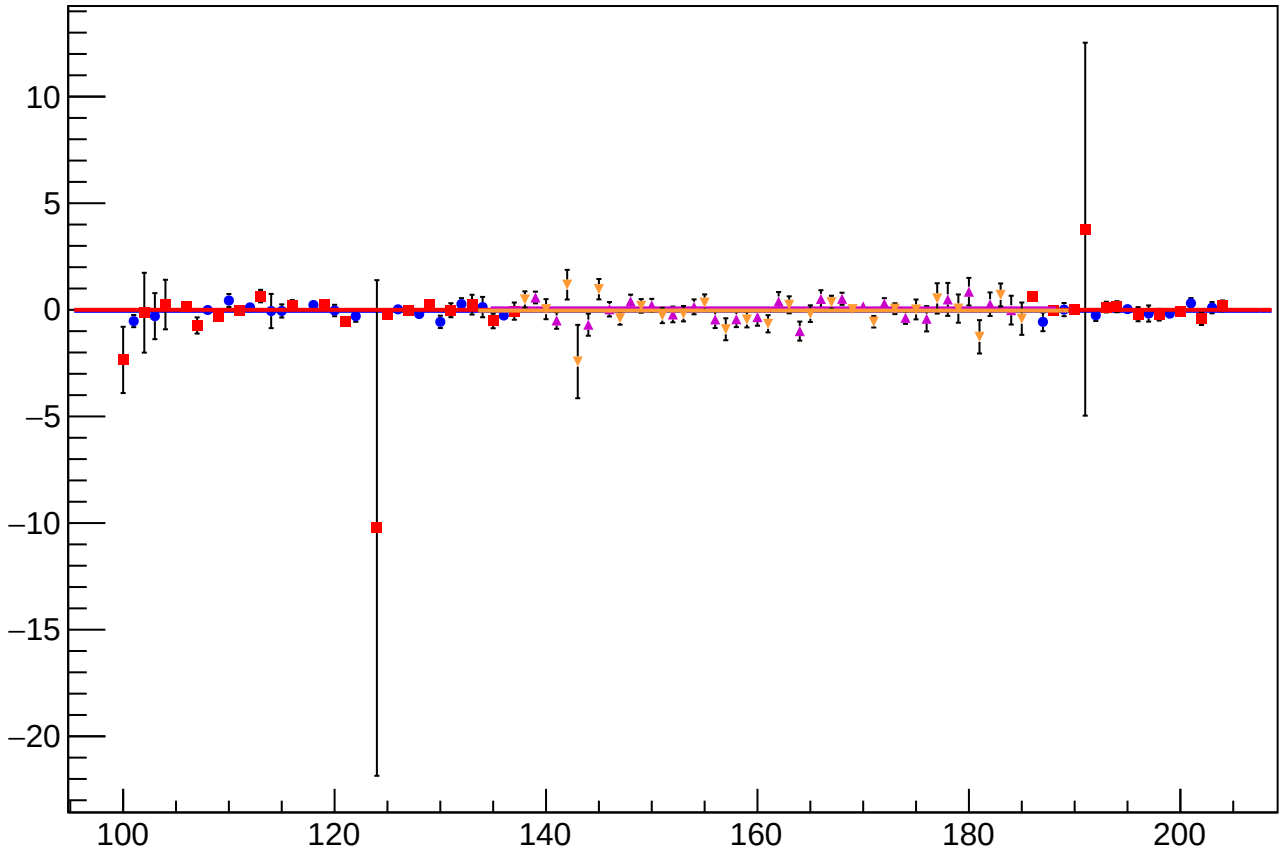
Right Out: 0.009+/-0.000 χ^2/NDF: 5079640.4/29

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 13356818.8/48

All: 0.007+/-0.000 χ^2/NDF: 25408548.9/101

- sign 0.007+/-0.000 χ^2/NDF: 12051250.2/52



Right In: -0.047+/-0.055 χ^2/NDF: 20.0/23

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

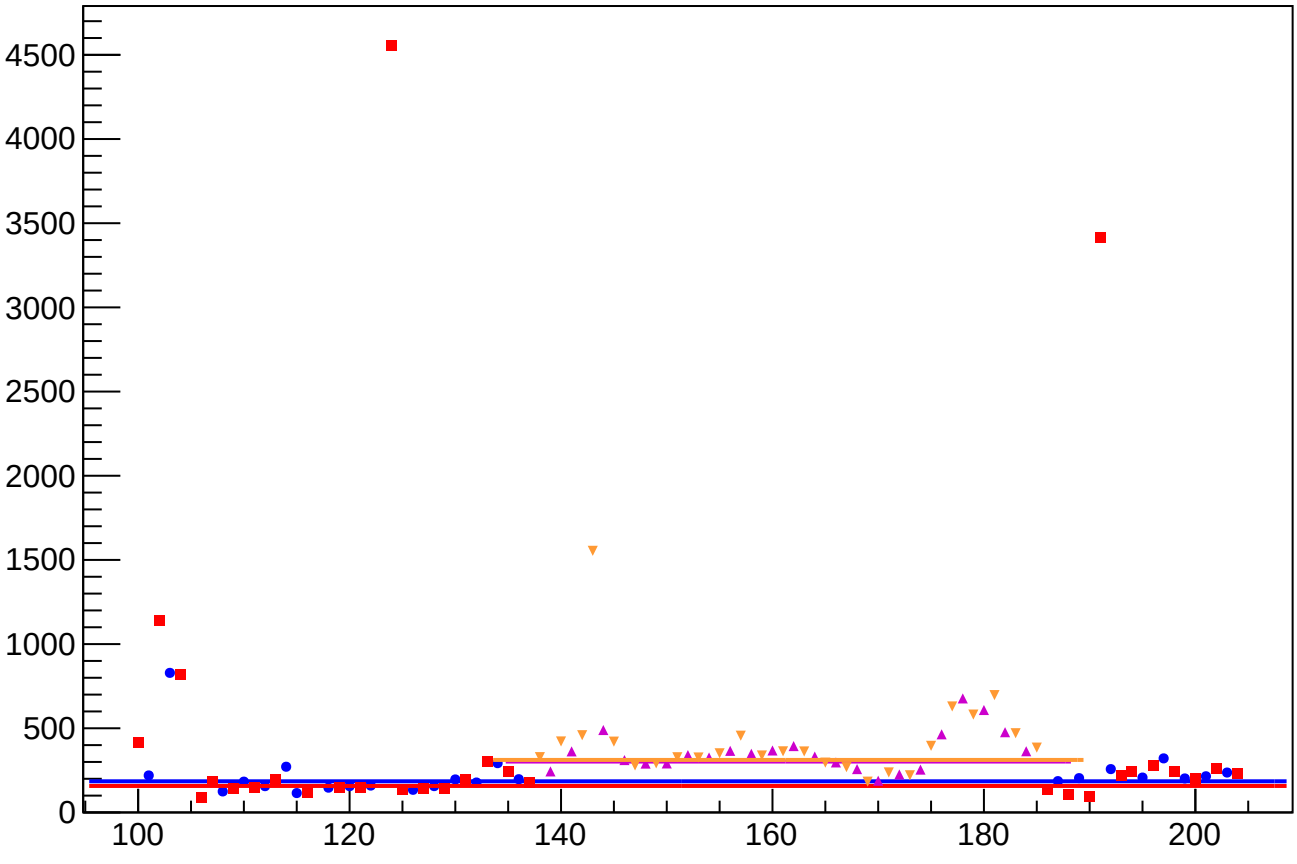
Right Out: 0.001+/-0.046 χ^2/NDF: 39.8/29

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.043+/-0.045 χ^2/NDF: 52.5/48

All: -0.007+/-0.029 χ^2/NDF: 124.0/101

- sign 0.020+/-0.039 χ^2/NDF: 70.3/52



Right In: 185.062+/-0.039 χ^2/NDF: 1991071.2/23

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

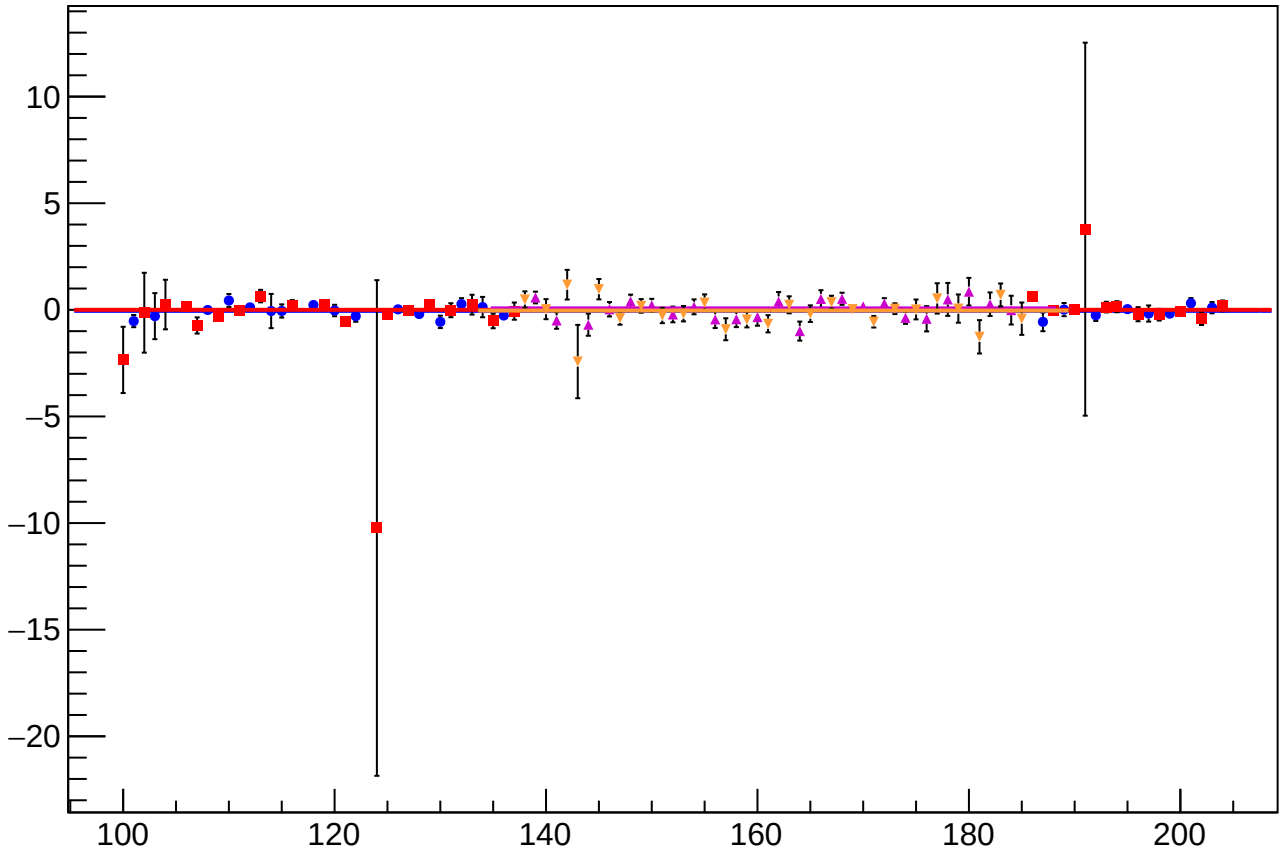
Right Out: 157.387+/-0.032 χ^2/NDF: 4633997.2/29

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 227.984+/-0.032 χ^2/NDF: 9966787.5/48

All: 210.498+/-0.021 χ^2/NDF: 23400920.5/10

- sign 197.016+/-0.028 χ^2/NDF: 12889483.4/52



Right In: -0.047+/-0.055 χ^2/NDF: 20.0/23

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

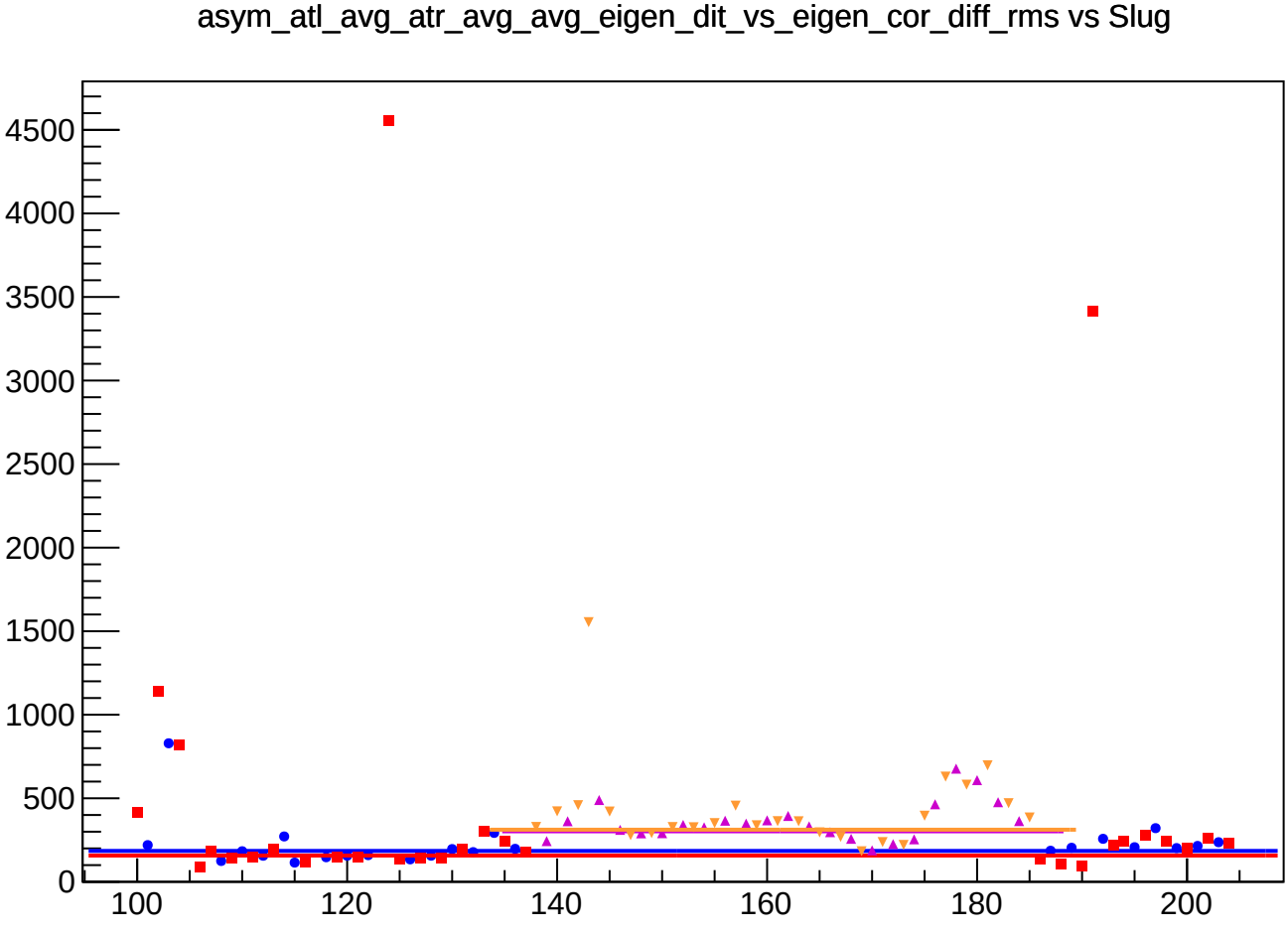
Right Out: 0.001+/-0.046 χ^2/NDF: 39.8/29

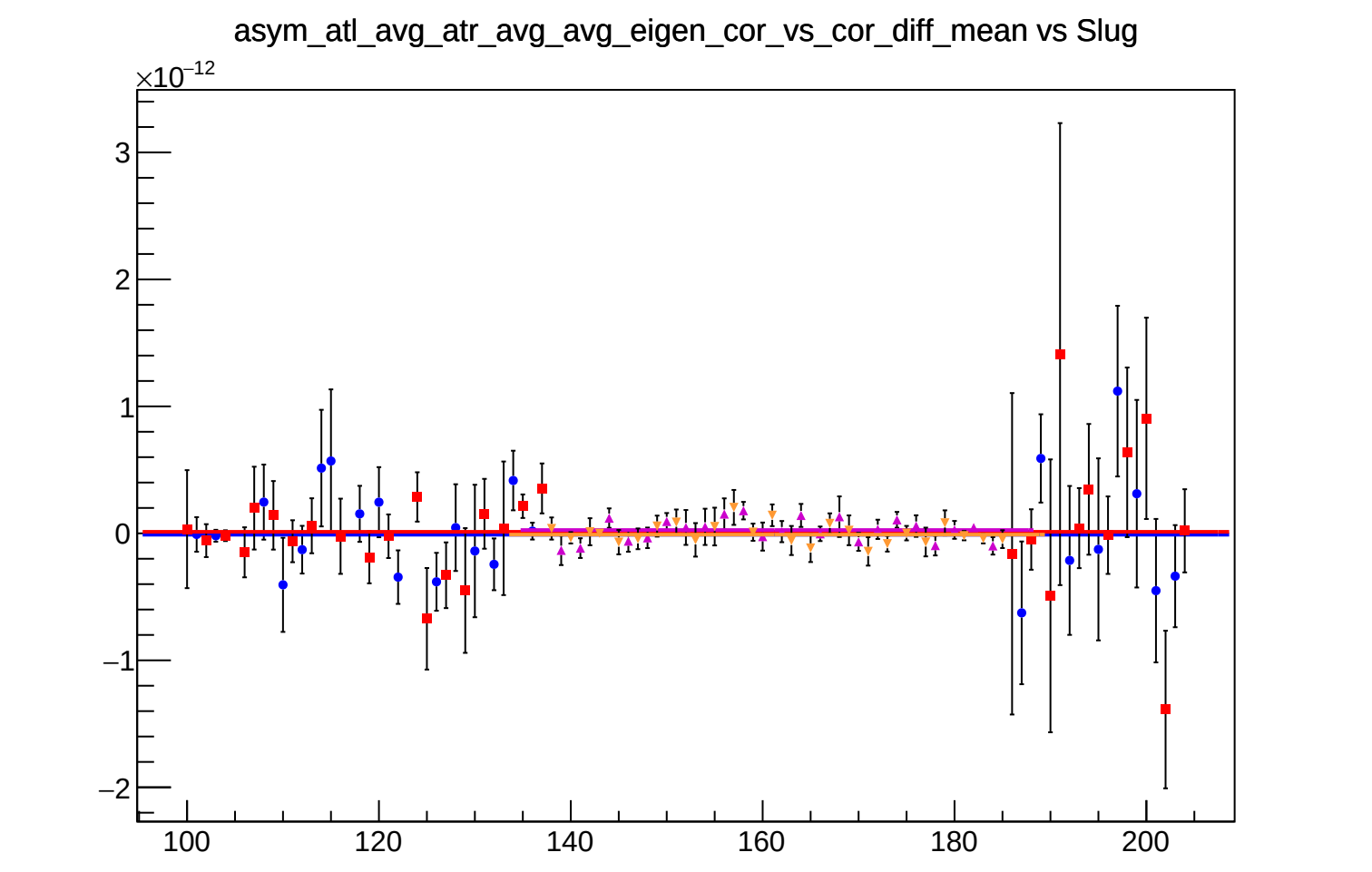
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.043+/-0.045 χ^2/NDF: 52.5/48

All: -0.007+/-0.029 χ^2/NDF: 124.0/101

- sign 0.020+/-0.039 χ^2/NDF: 70.3/52


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: 185.062+/-0.039 χ²/NDF: 1991071.2/23
Left Out: 311.961+/-0.054 χ²/NDF:4350376.6/24
Right Out: 157.387+/-0.032 χ²/NDF: 4633997.2/29
Left In: 302.377+/-0.053 χ²/NDF:2808874.8/22
+ sign 227.984+/-0.032 χ²/NDF: 9966787.5/48
All: 210.498+/-0.021 χ²/NDF: 23400920.5/10
- sign 197.016+/-0.028 χ²/NDF: 12889483.4/52



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

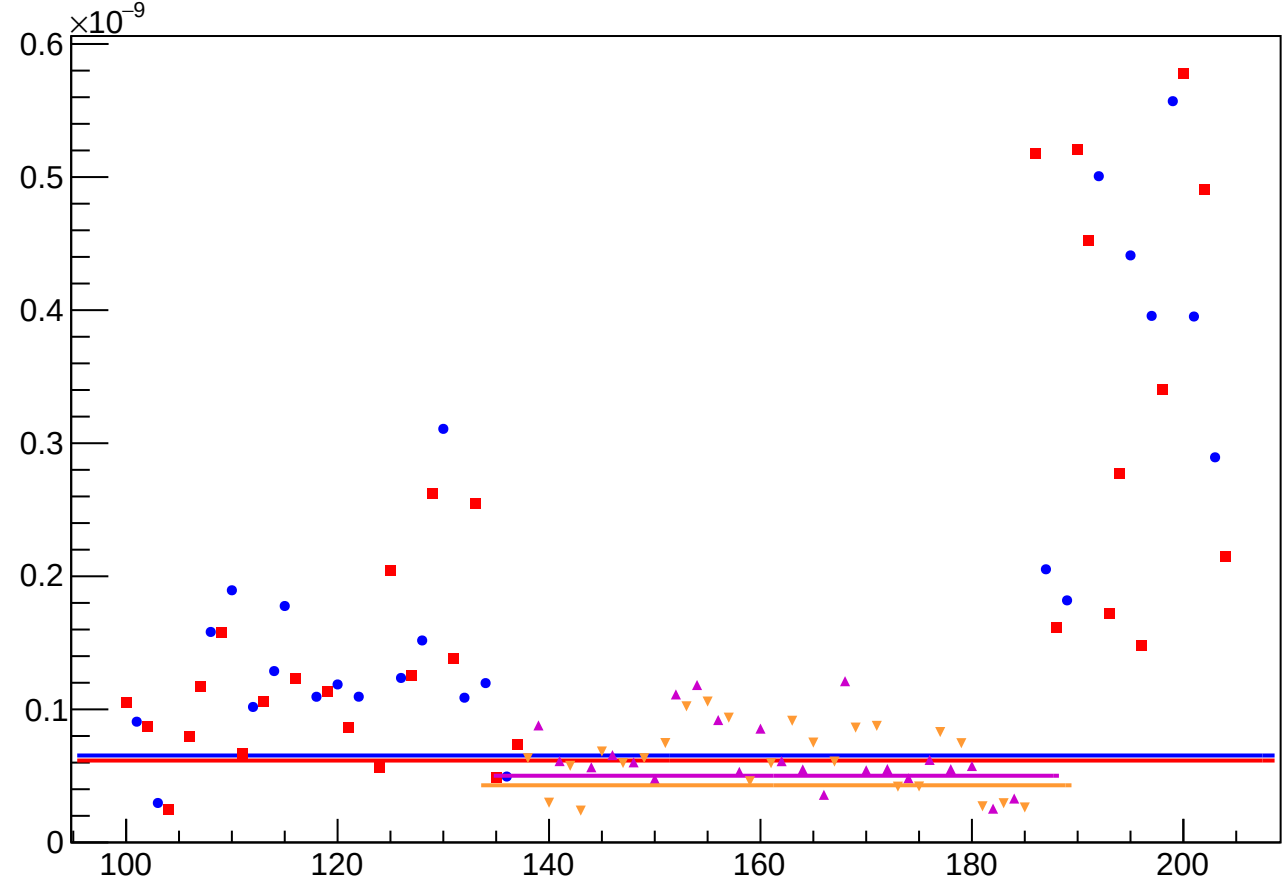
Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/29

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/48

All: 0.000+/-0.000 χ^2/NDF: 99.5/101

- sign 0.000+/-0.000 χ^2/NDF: 55.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 7777370.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7881426.3/29

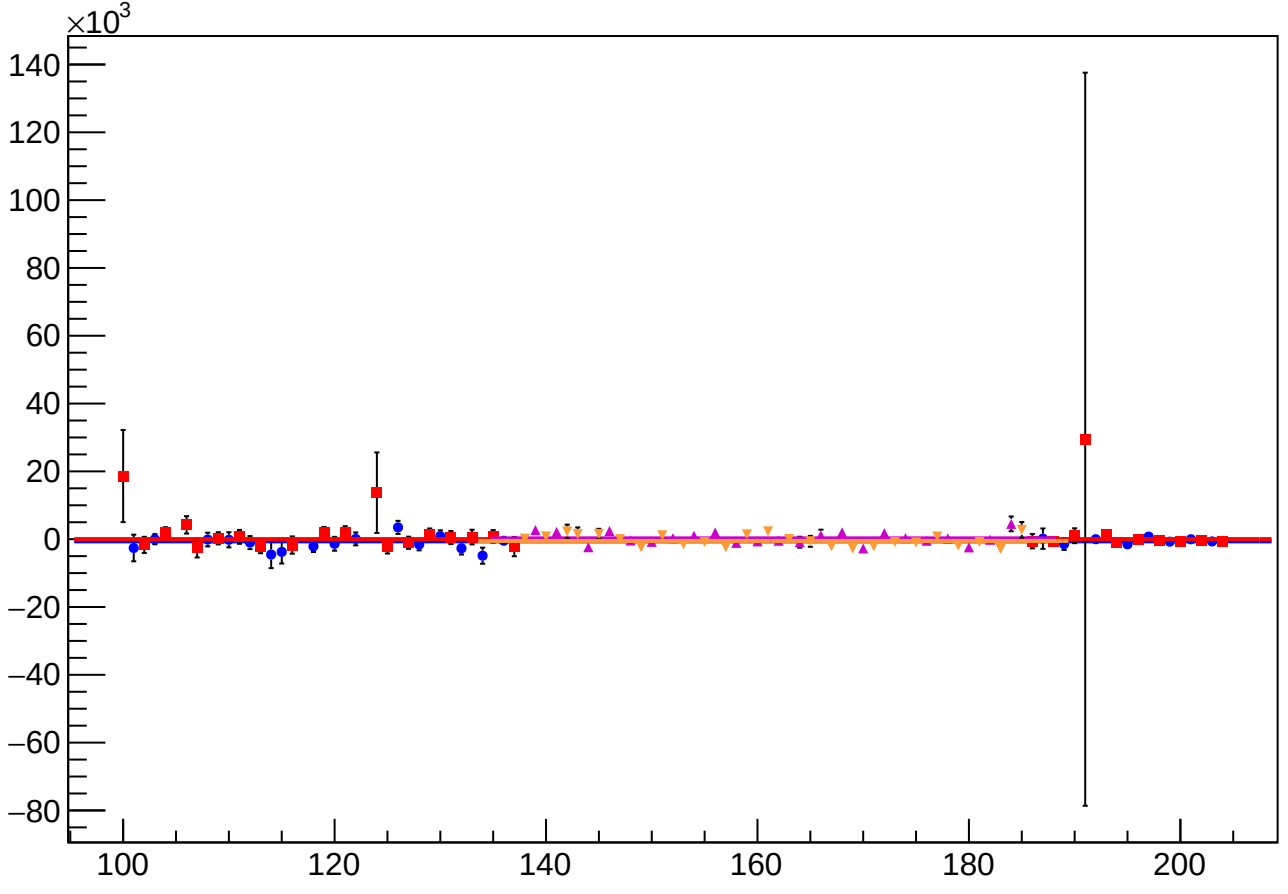
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13666342.7/48

All: 0.000+/-0.000 χ^2/NDF: 25604986.1/101

- sign 0.000+/-0.000 χ^2/NDF: 11715934.1/52

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -637.841+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 28.225+/-335.351 χ^2/NDF: 18.9/29

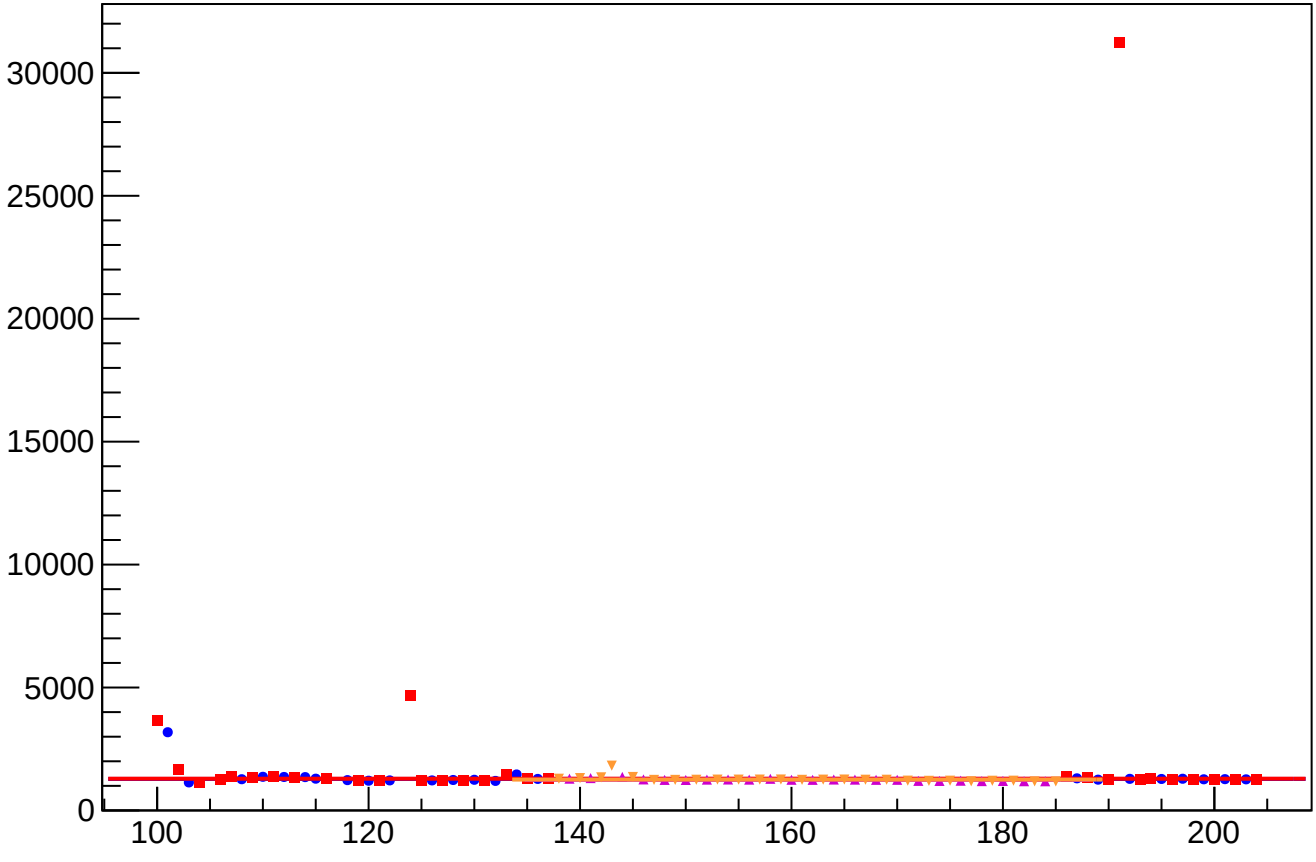
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -562.862+/-222.931 χ^2/NDF: 46.6/48

All: -201.230+/-156.539 χ^2/NDF: 103.0/101

- sign 150.505+/-219.859 χ^2/NDF: 51.2/52

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1281.200+/-0.252 χ^2/NDF: 519673.8/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

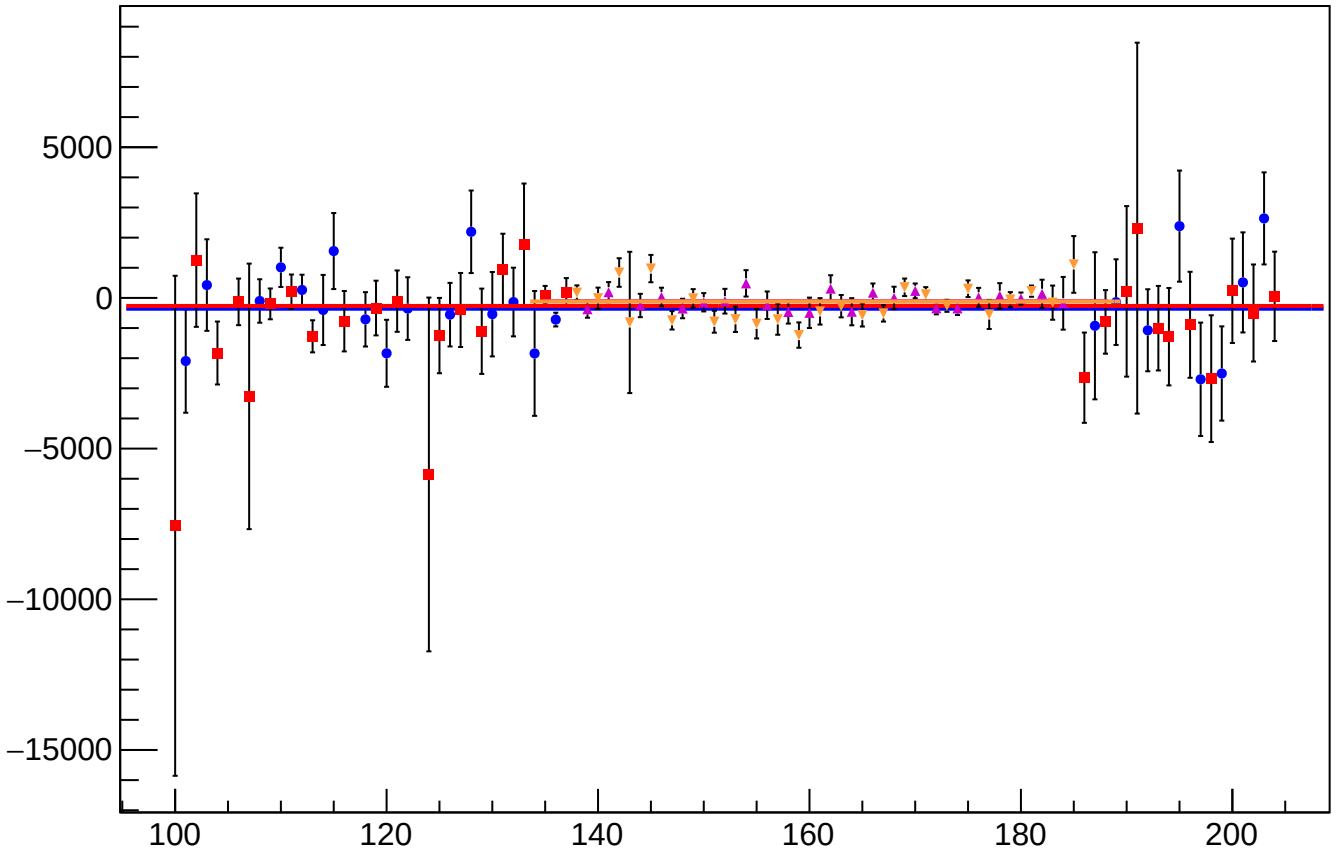
Right Out: 1291.146+/-0.237 χ^2/NDF: 492212.3/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.588+/-0.158 χ^2/NDF: 729127.1/48

All: 1265.597+/-0.111 χ^2/NDF: 1281540.4/10

- sign 1265.607+/-0.155 χ^2/NDF: 552413.3/52



Right In: -358.361+/-161.534 χ^2/NDF: 28.3/23

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

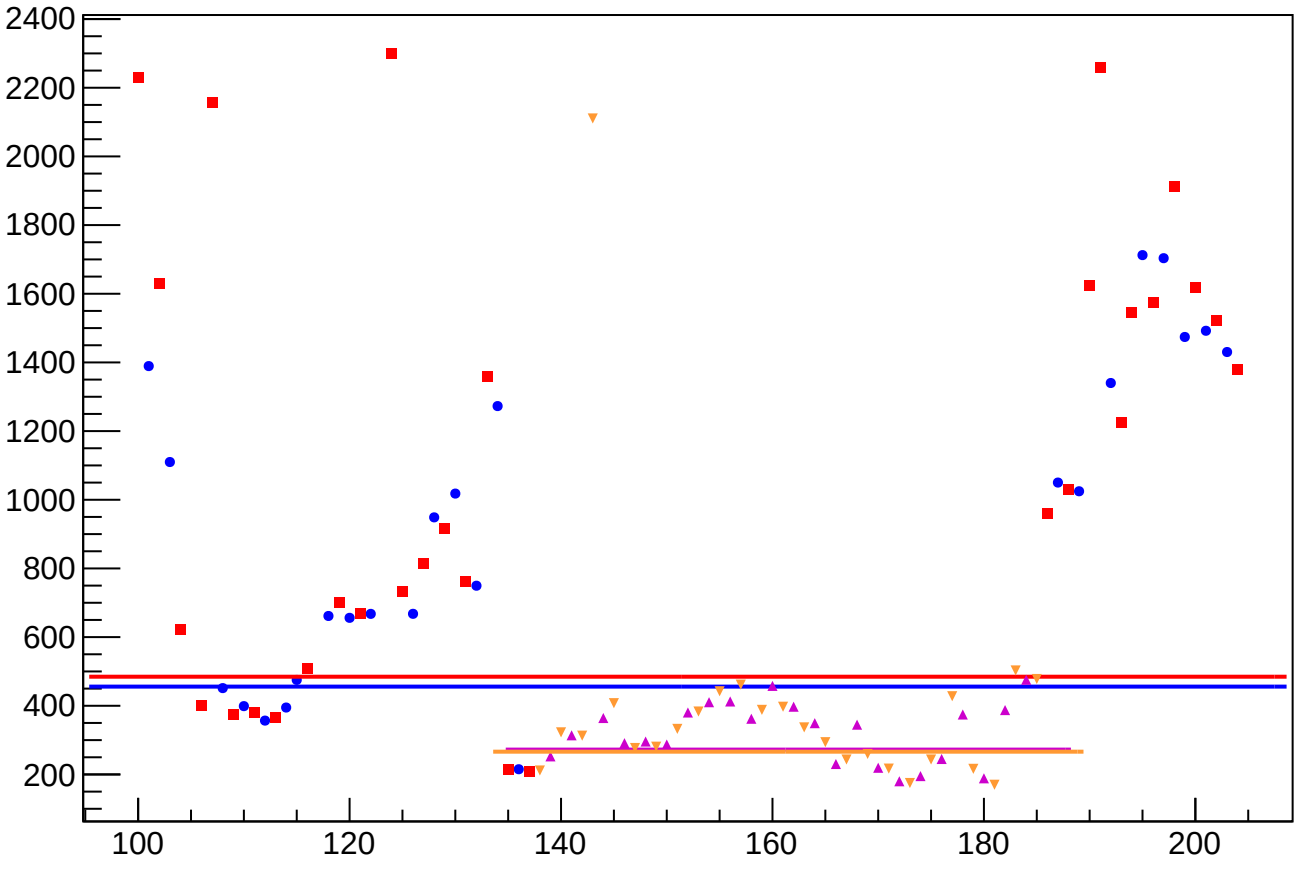
Right Out: -266.533+/-160.363 χ^2/NDF: 20.1/29

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -150.712+/-60.348 χ^2/NDF: 78.6/48

All: -141.094+/-43.184 χ^2/NDF: 113.4/101

- sign -131.000+/-61.822 χ^2/NDF: 34.7/52



Right In: 455.835+/-0.114 χ^2/NDF: 10162596.3/23

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 484.674+/-0.113 χ^2/NDF: 11519998.8/29

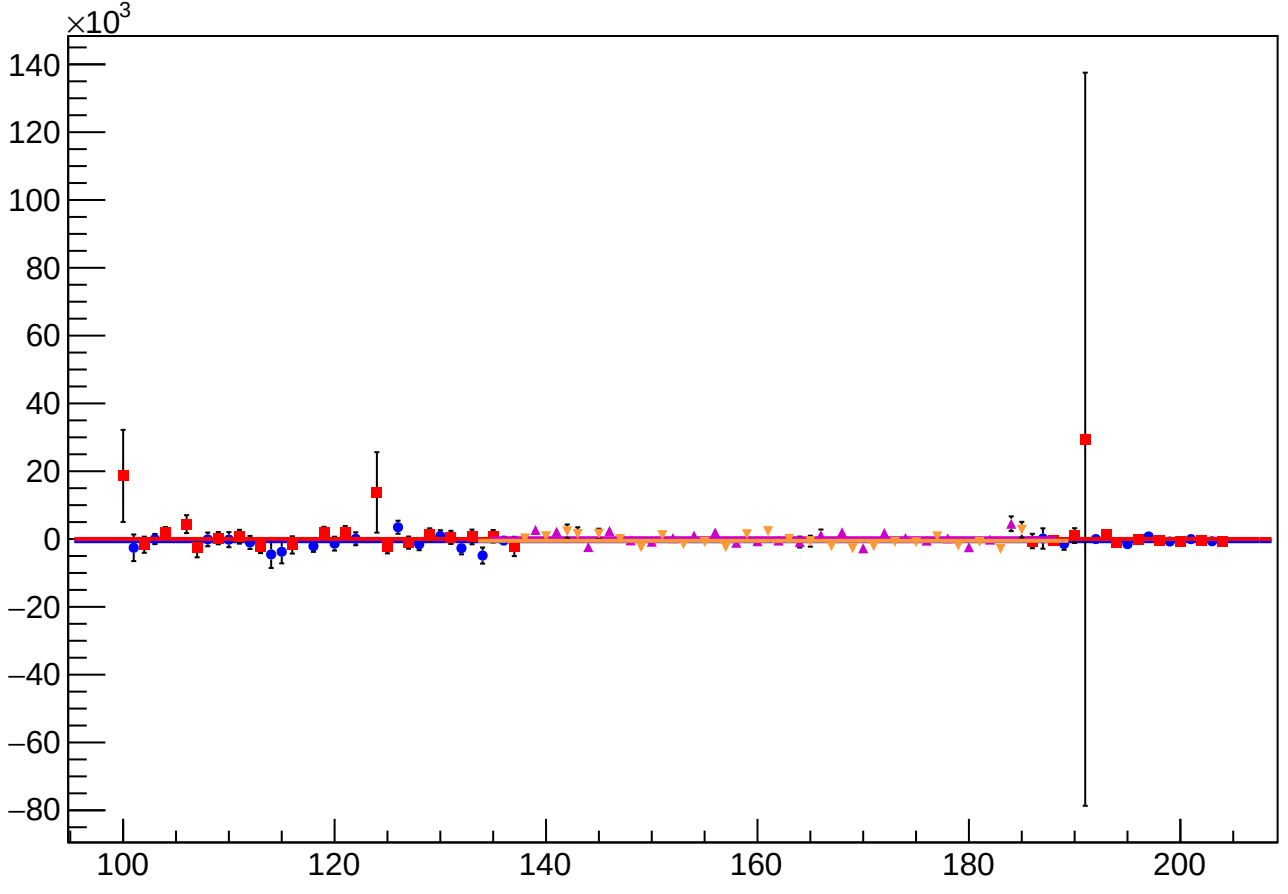
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

\+ sign 292.772+/-0.043 χ^2/NDF: 17161361.1/48

All: 298.212+/-0.031 χ^2/NDF: 34586969.7/10

\- sign 303.921+/-0.044 χ^2/NDF: 17392301.9/52

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -637.671+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 26.634+/-335.523 χ^2/NDF: 18.9/29

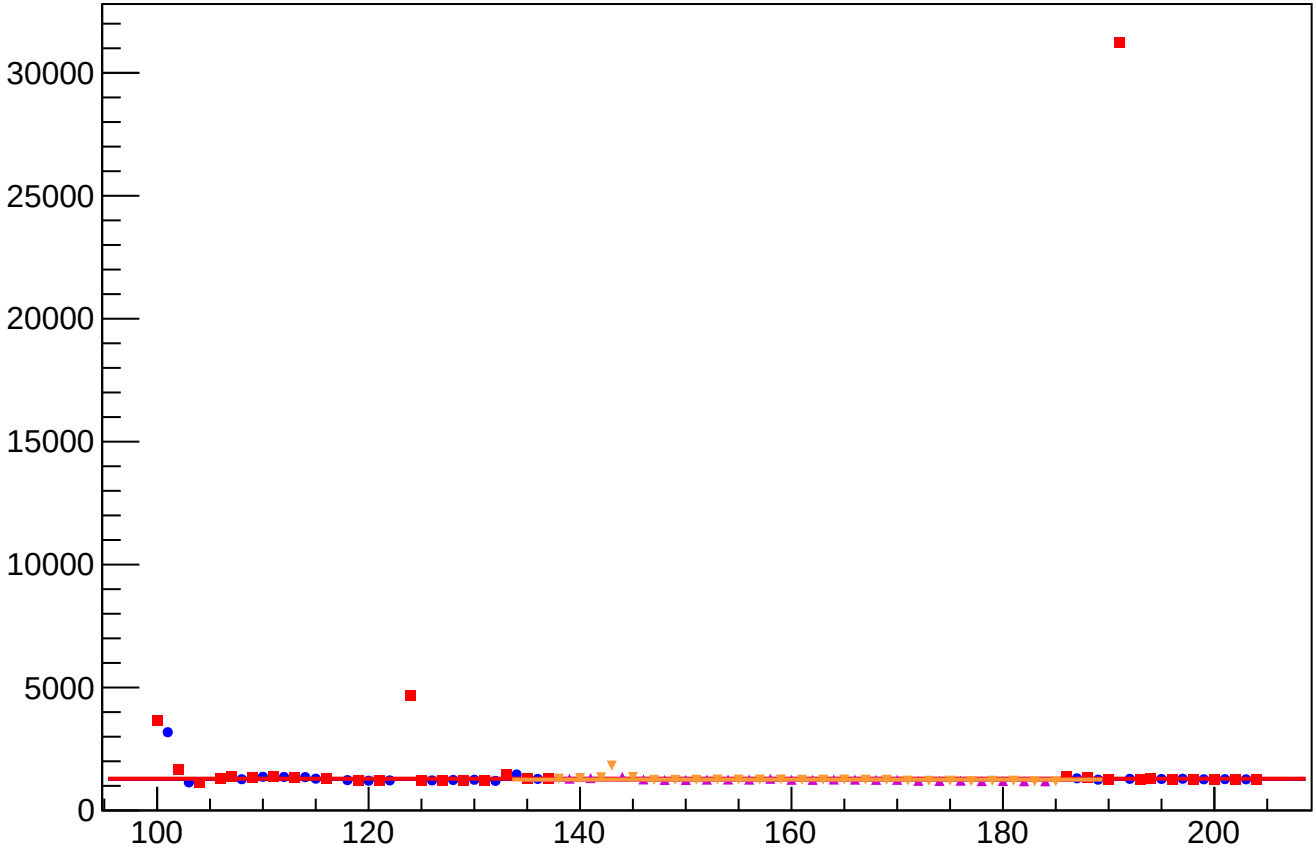
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -562.762+/-222.931 χ^2/NDF: 46.6/48

All: -201.585+/-156.556 χ^2/NDF: 103.0/101

- sign 149.862+/-219.908 χ^2/NDF: 51.2/52

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1281.200+/-0.252 χ^2/NDF: 519675.2/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

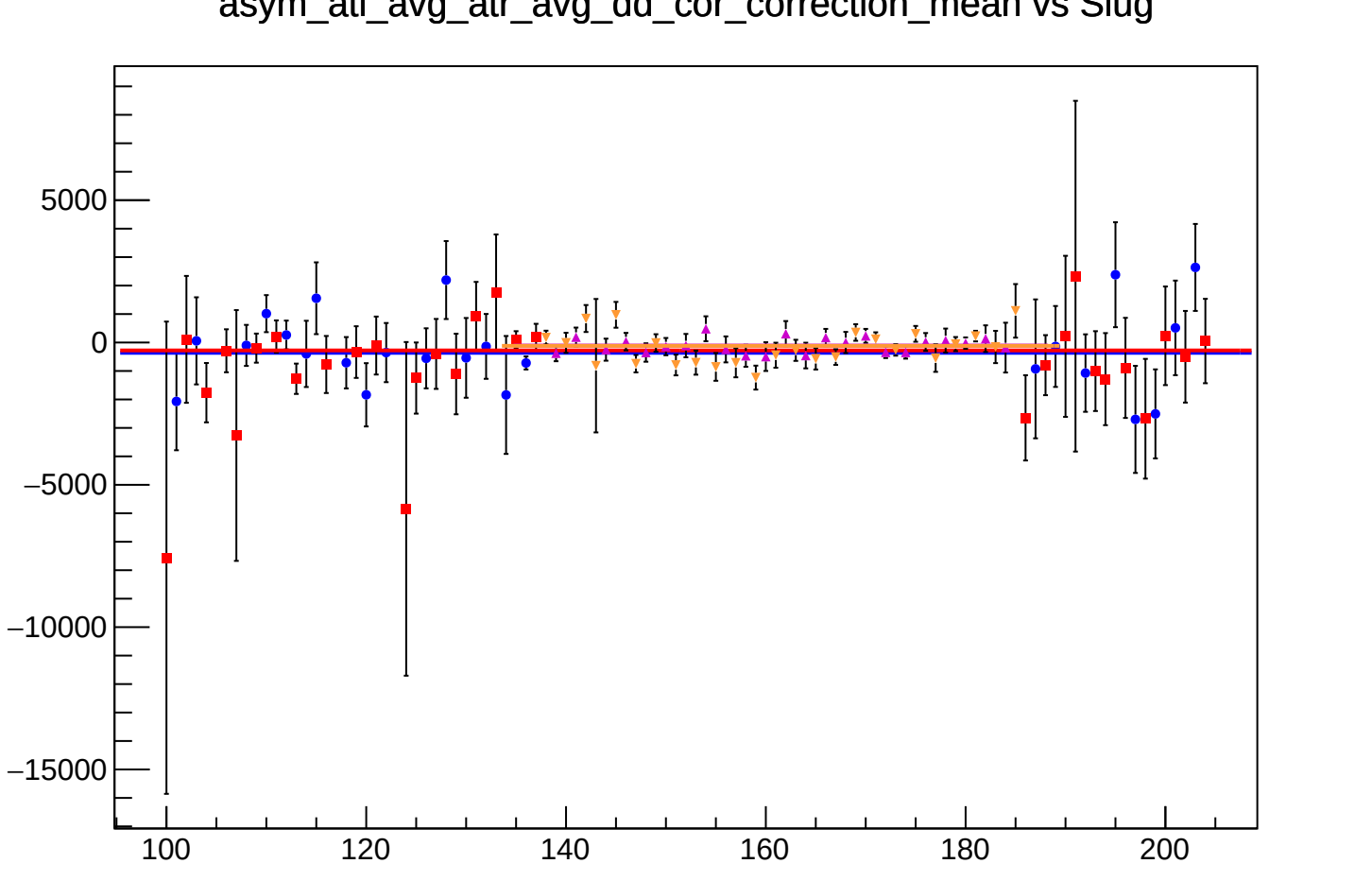
Right Out: 1291.832+/-0.237 χ^2/NDF: 492010.9/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.587+/-0.158 χ^2/NDF: 729128.4/48

All: 1265.741+/-0.111 χ^2/NDF: 1281957.5/10

- sign 1265.890+/-0.155 χ^2/NDF: 552827.2/52



Right In: -362.465+/-161.552 χ^2/NDF: 28.1/23

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

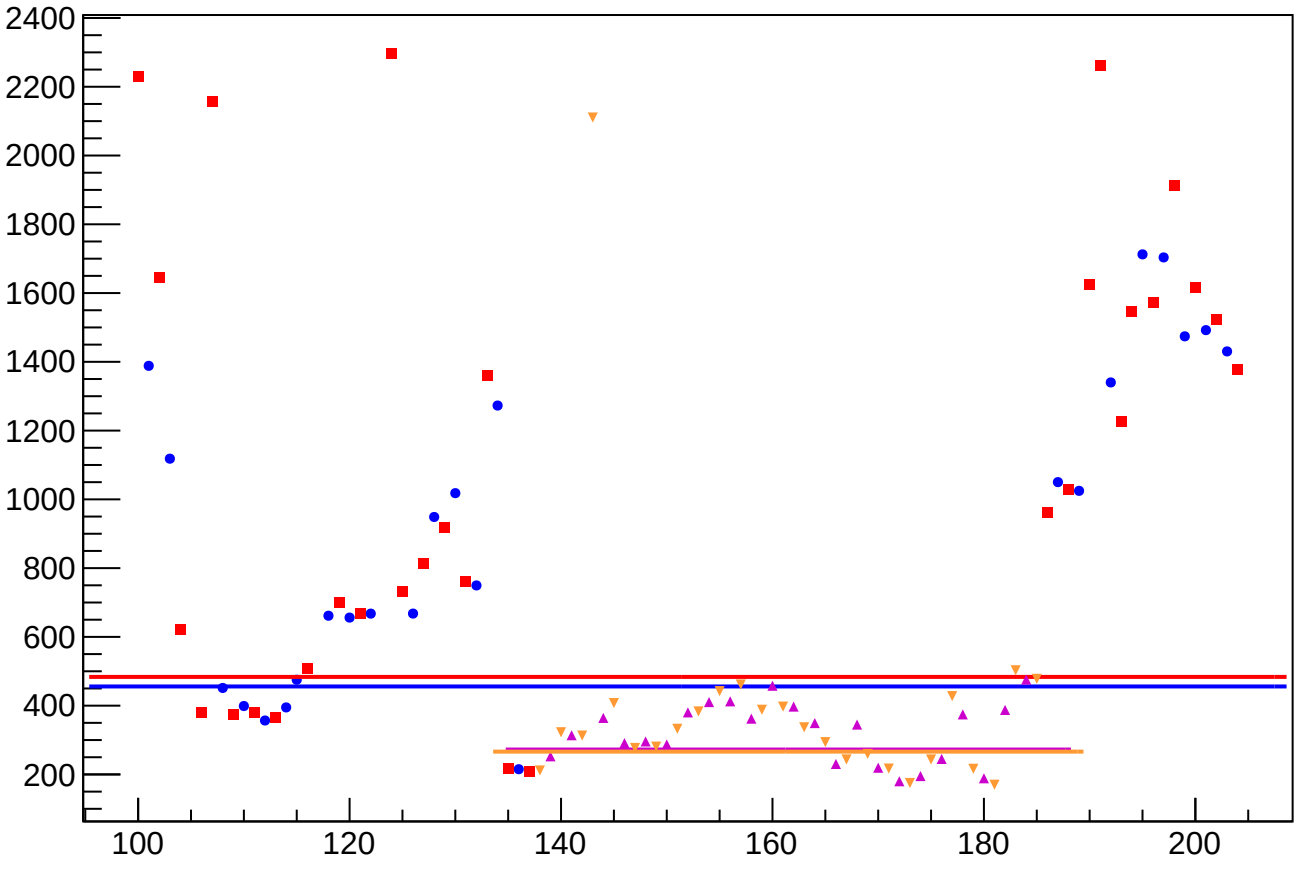
Right Out: -278.179+/-160.196 χ^2/NDF: 19.4/29

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.257+/-60.350 χ^2/NDF: 78.5/48

All: -142.287+/-43.182 χ^2/NDF: 112.7/101

- sign -132.878+/-61.814 χ^2/NDF: 34.1/52



Right In: 455.844+/-0.114 χ^2/NDF: 10165734.7/23

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

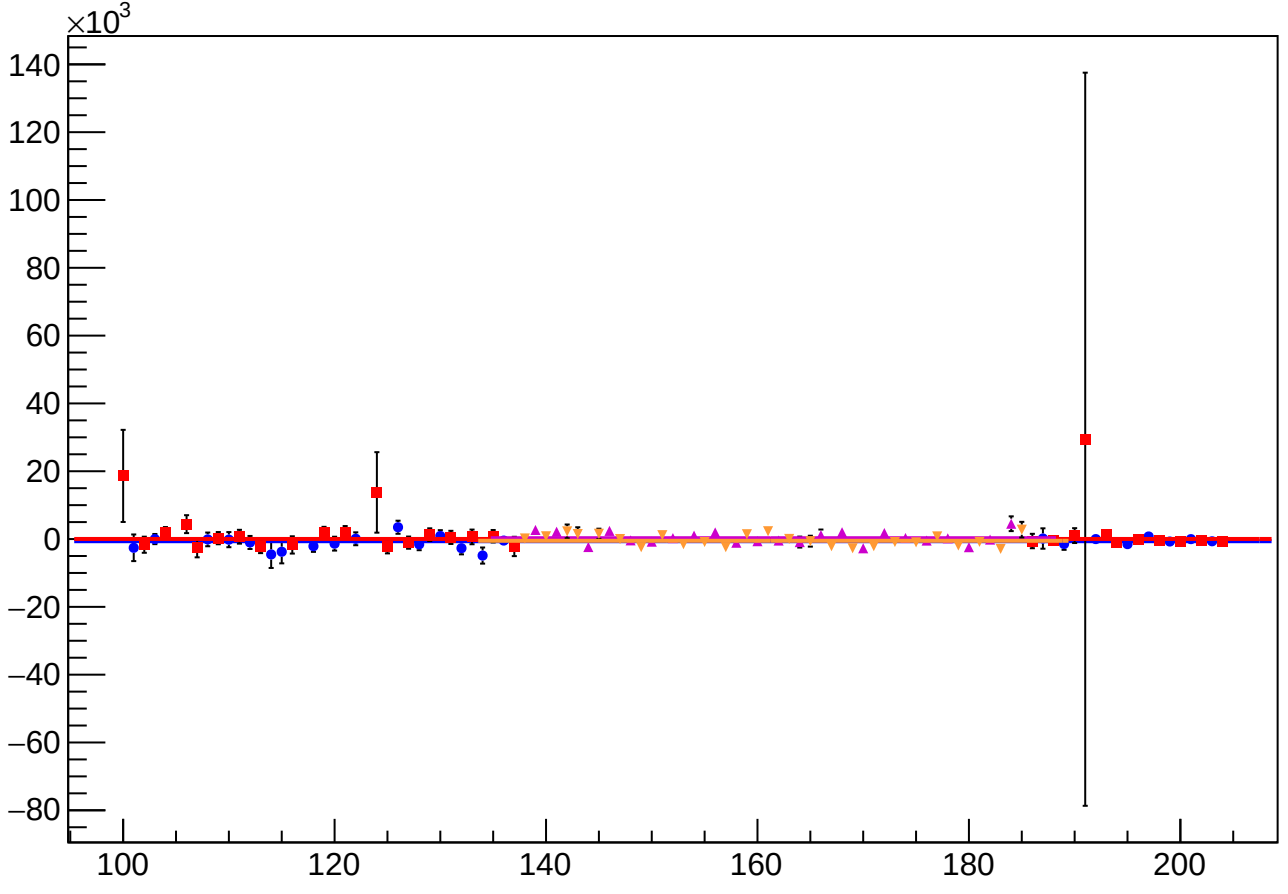
Right Out: 483.622+/-0.113 χ^2/NDF: 11540549.7/29

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 292.774+/-0.043 χ^2/NDF: 17164167.6/48

All: 298.169+/-0.031 χ^2/NDF: 34585011.1/10

- sign 303.830+/-0.044 χ^2/NDF: 17388085.7/52



Right In: -637.671+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 26.634+/-335.523 χ^2/NDF: 18.9/29

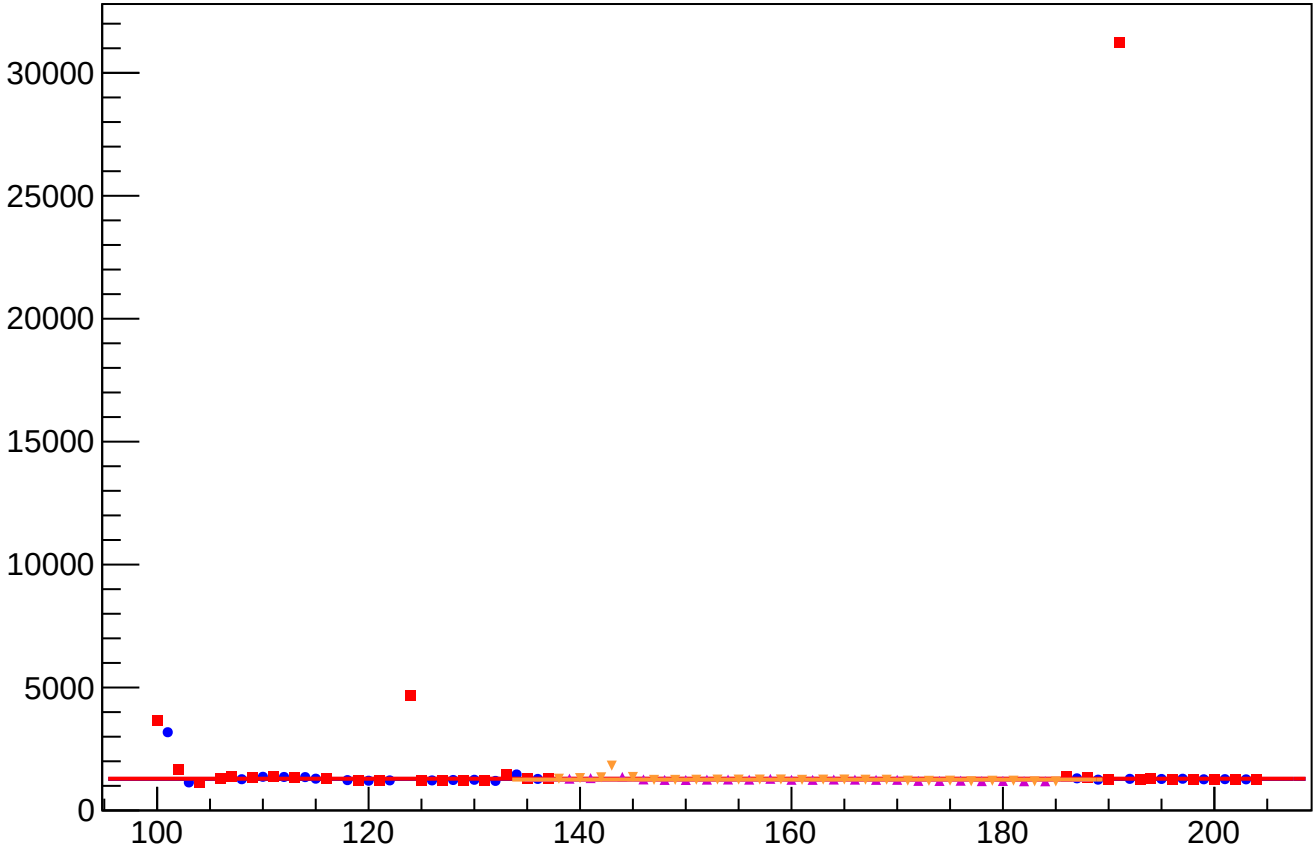
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -562.762+/-222.931 χ^2/NDF: 46.6/48

All: -201.585+/-156.556 χ^2/NDF: 103.0/101

- sign 149.862+/-219.908 χ^2/NDF: 51.2/52

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1281.200+/-0.252 χ^2/NDF: 519675.2/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

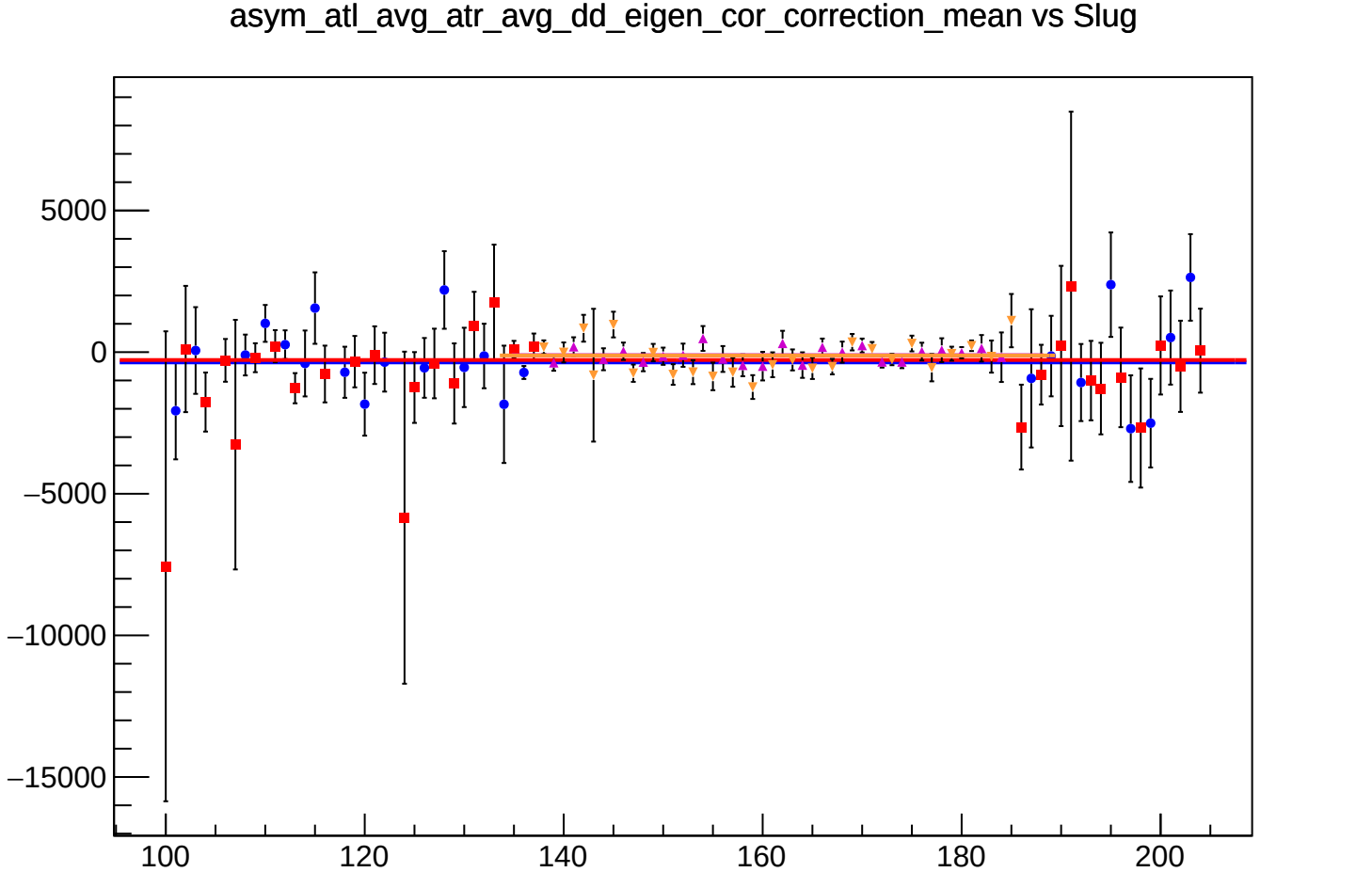
Right Out: 1291.832+/-0.237 χ^2/NDF: 492010.9/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.587+/-0.158 χ^2/NDF: 729128.4/48

All: 1265.741+/-0.111 χ^2/NDF: 1281957.5/10

- sign 1265.890+/-0.155 χ^2/NDF: 552827.2/52



Right In: -362.465+/-161.552 χ^2/NDF: 28.1/23

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

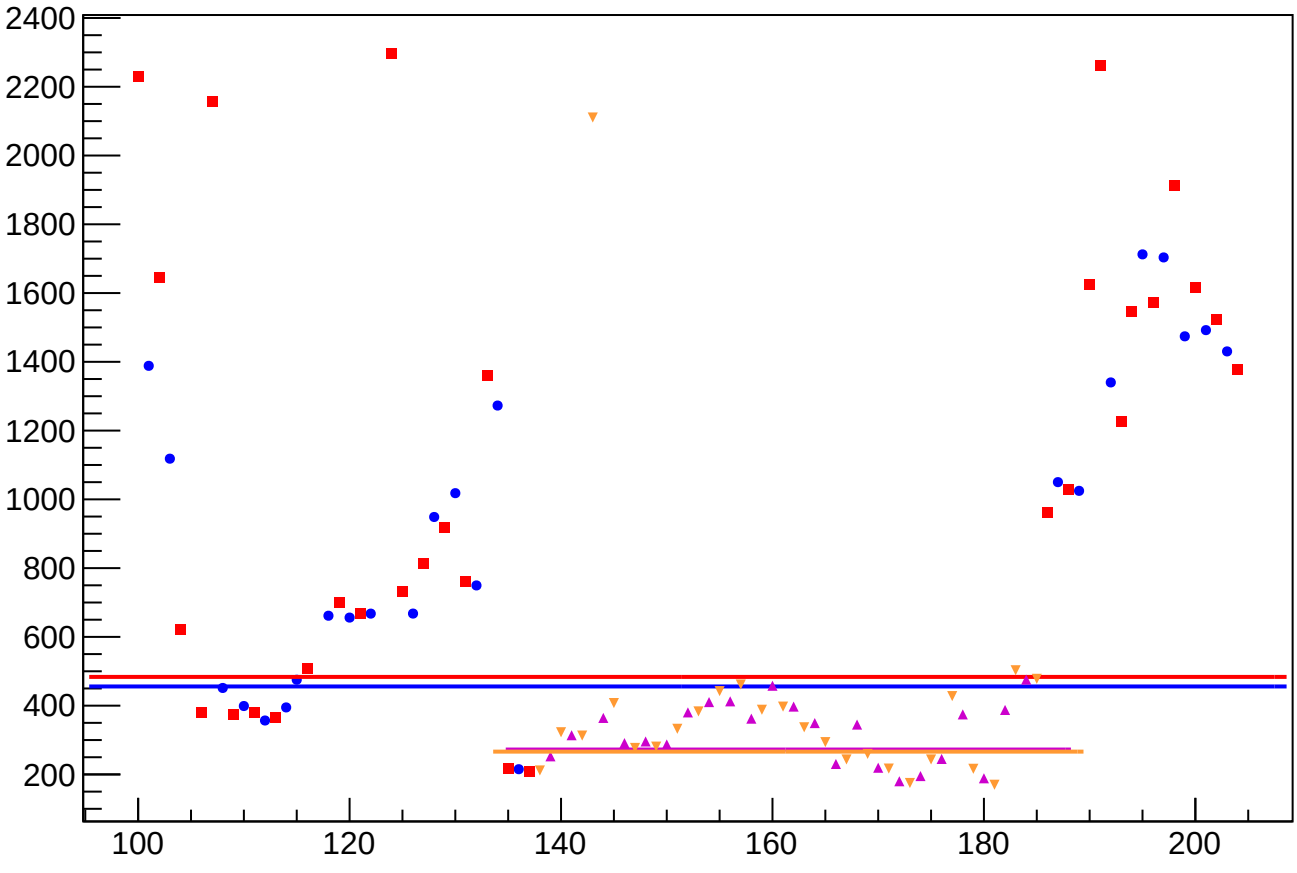
Right Out: -278.179+/-160.196 χ^2/NDF: 19.4/29

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.257+/-60.350 χ^2/NDF: 78.5/48

All: -142.287+/-43.182 χ^2/NDF: 112.7/101

- sign -132.878+/-61.814 χ^2/NDF: 34.1/52



Right In: 455.844+/-0.114 χ^2/NDF: 10165734.7/23

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 483.622+/-0.113 χ^2/NDF: 11540549.7/29

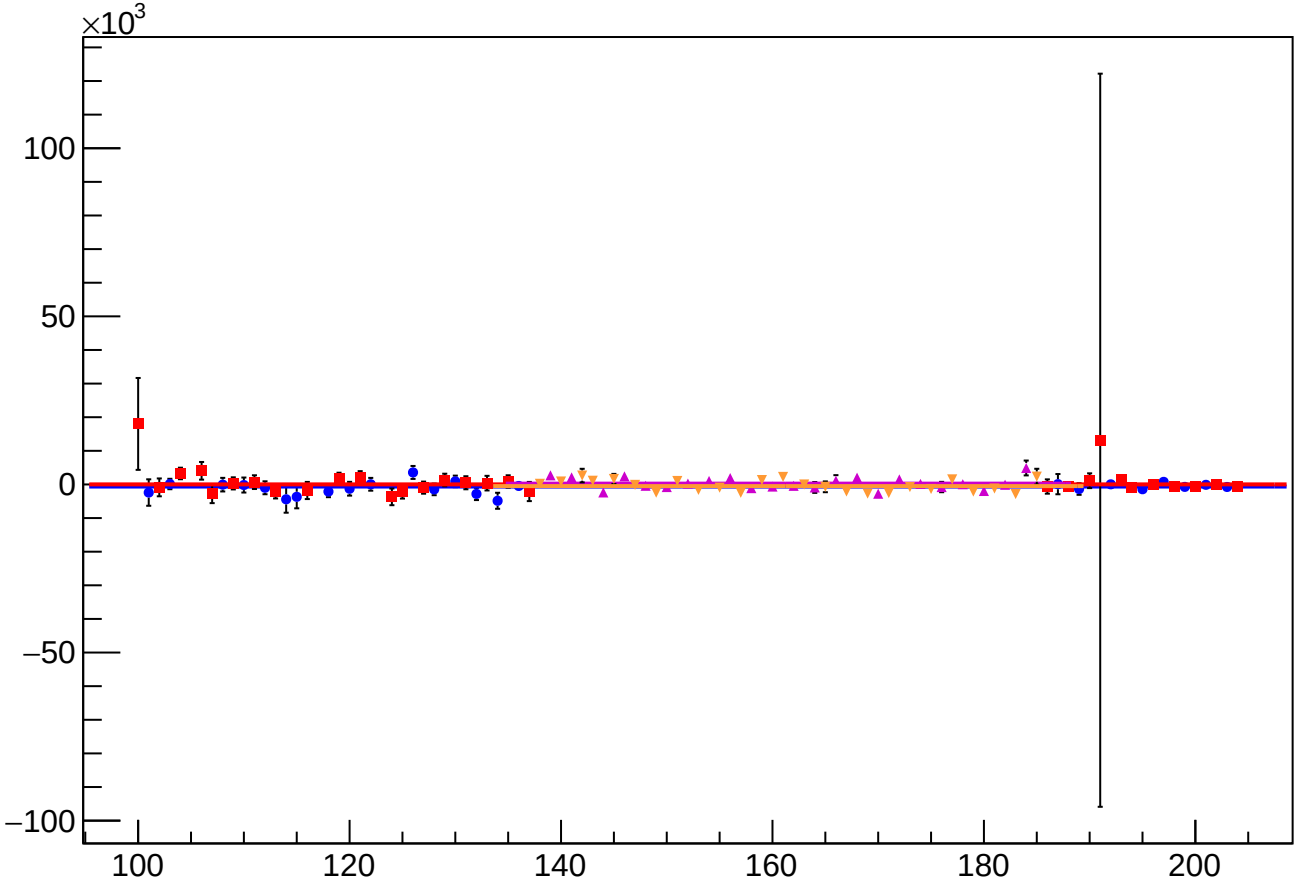
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 292.774+/-0.043 χ^2/NDF: 17164167.6/48

All: 298.169+/-0.031 χ^2/NDF: 34585011.1/10

- sign 303.830+/-0.044 χ^2/NDF: 17388085.7/52

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -623.243+/-357.219 χ^2/NDF: 15.7/23

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 19.491+/-334.631 χ^2/NDF: 20.7/29

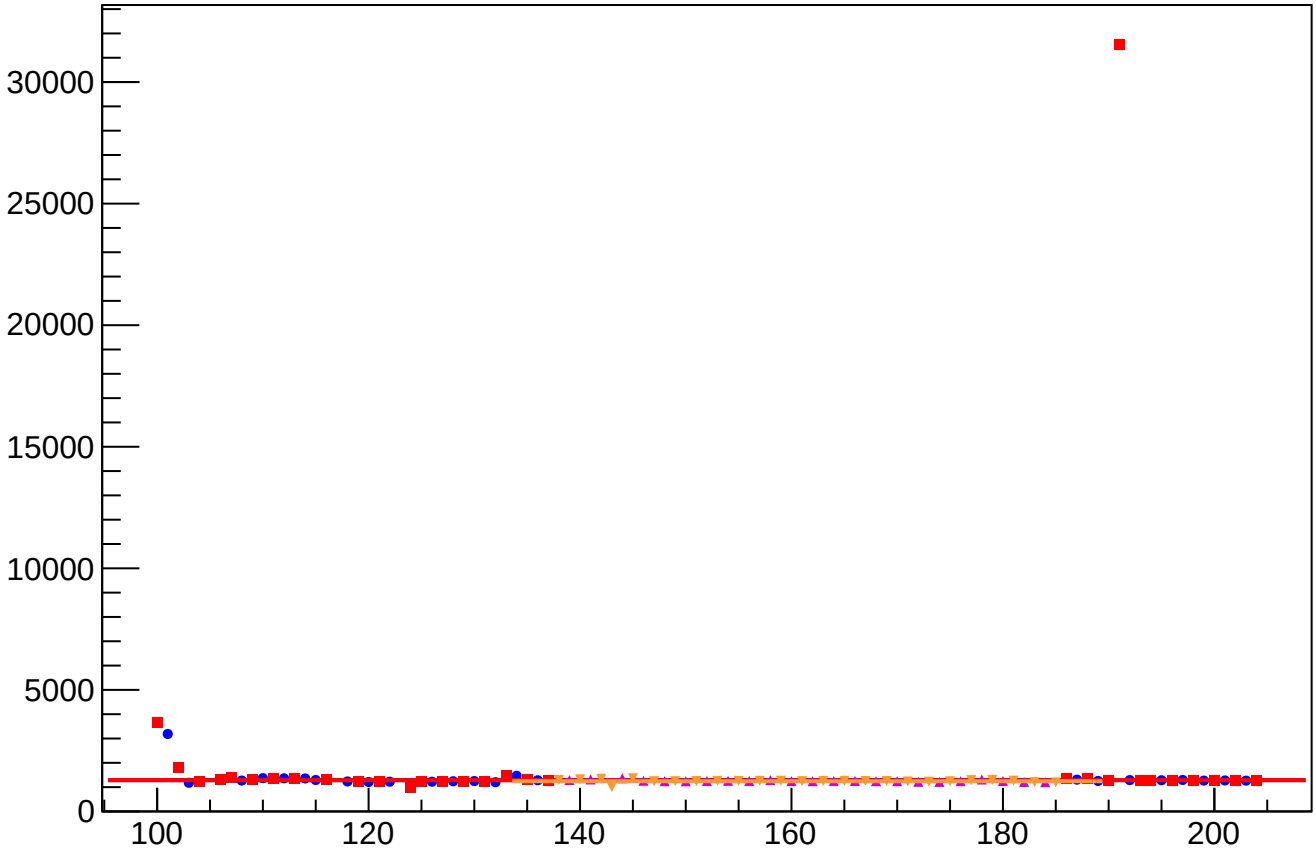
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -543.433+/-221.696 χ^2/NDF: 49.9/48

All: -198.177+/-156.519 χ^2/NDF: 106.4/101

- sign 144.943+/-221.009 χ^2/NDF: 51.7/52

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1285.782+/-0.253 χ^2/NDF: 511383.7/23

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1288.644+/-0.237 χ^2/NDF: 373602.5/29

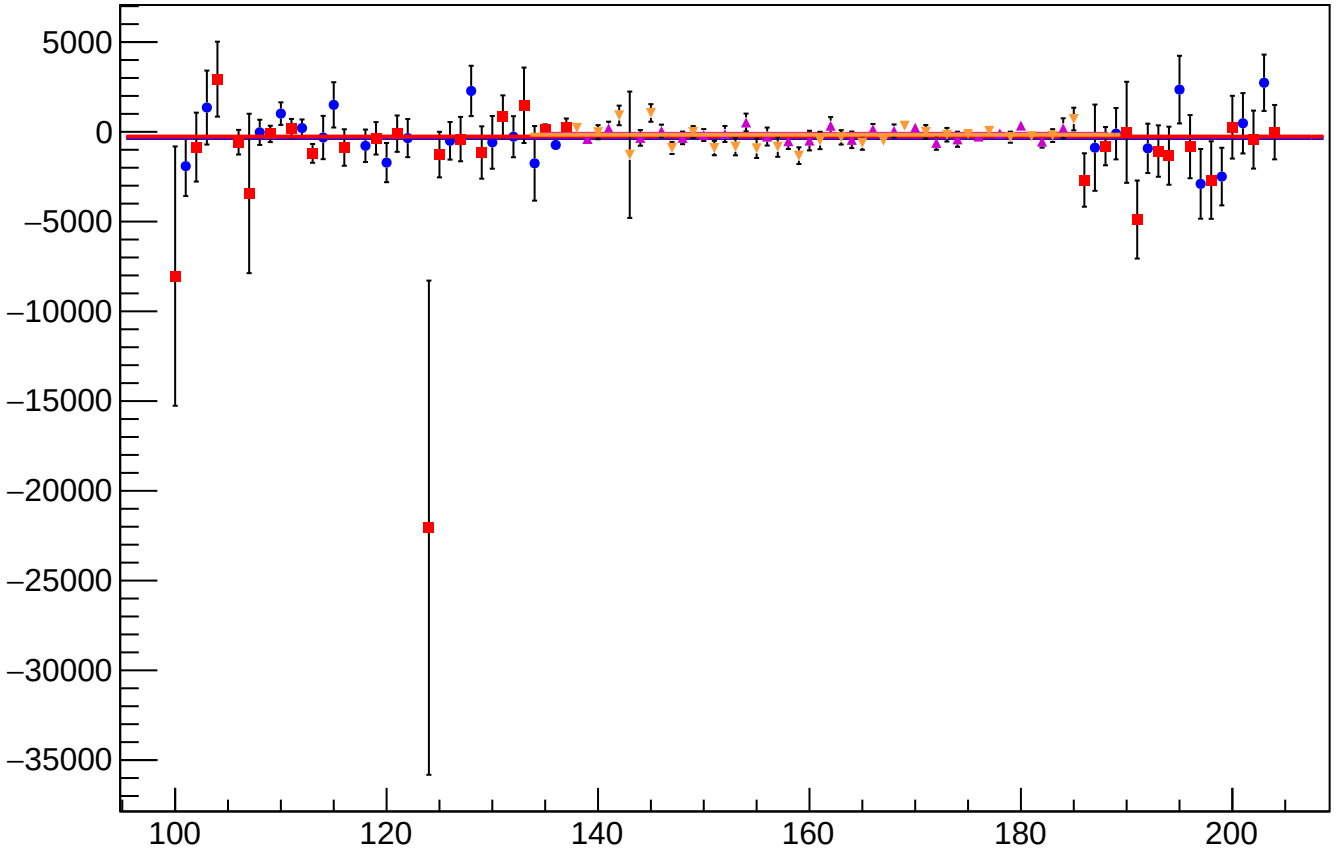
Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1259.195+/-0.157 χ^2/NDF: 659426.8/48

All: 1265.892+/-0.111 χ^2/NDF: 1072808.5/10

- sign 1272.548+/-0.156 χ^2/NDF: 409742.9/52

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug



Right In: -340.944+/-163.302 χ^2/NDF: 28.3/23

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

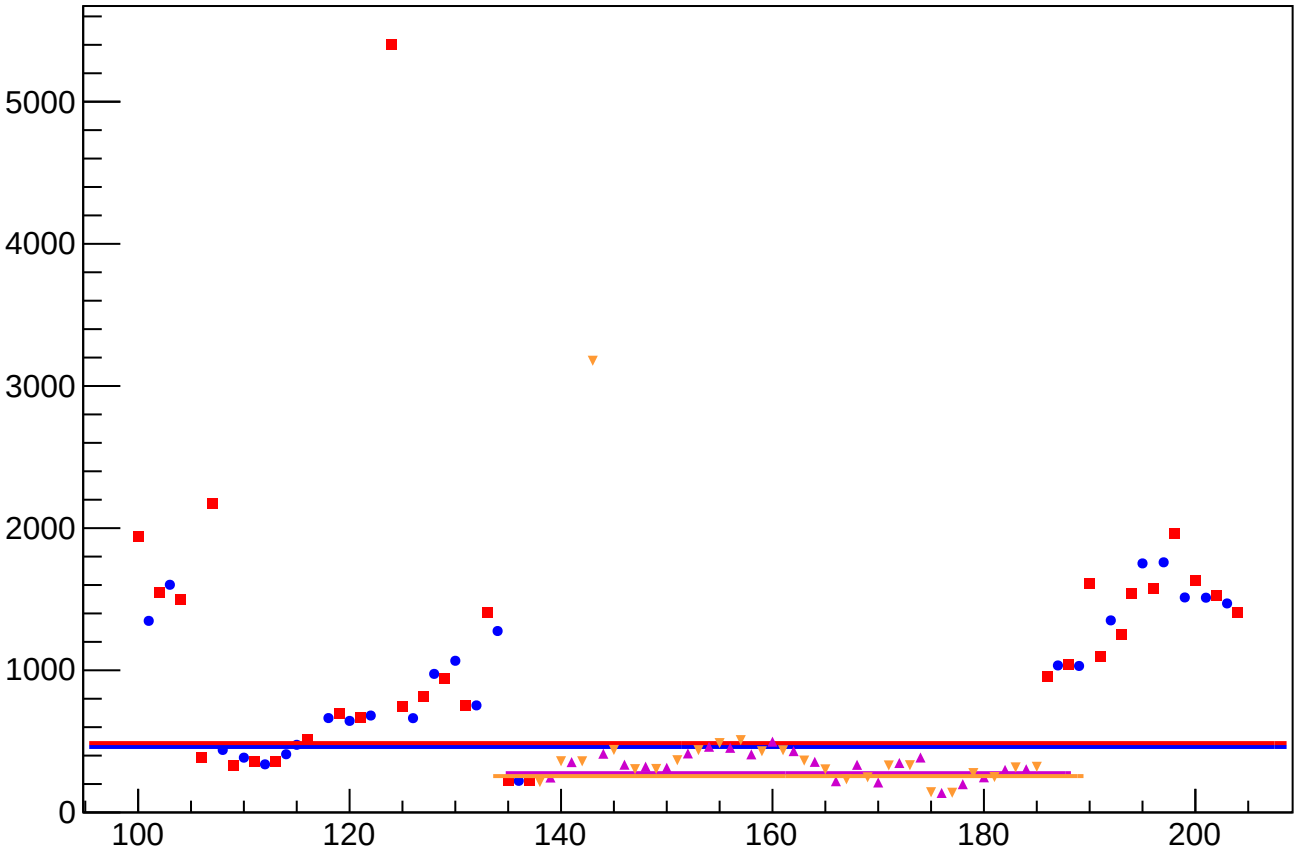
Right Out: -267.014+/-160.204 χ^2/NDF: 25.9/29

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -184.984+/-59.694 χ^2/NDF: 73.2/48

All: -162.668+/-43.412 χ^2/NDF: 118.3/101

- sign -137.615+/-63.248 χ^2/NDF: 44.9/52



Right In: 460.680+/-0.115 χ^2/NDF: 10323506.0/23

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

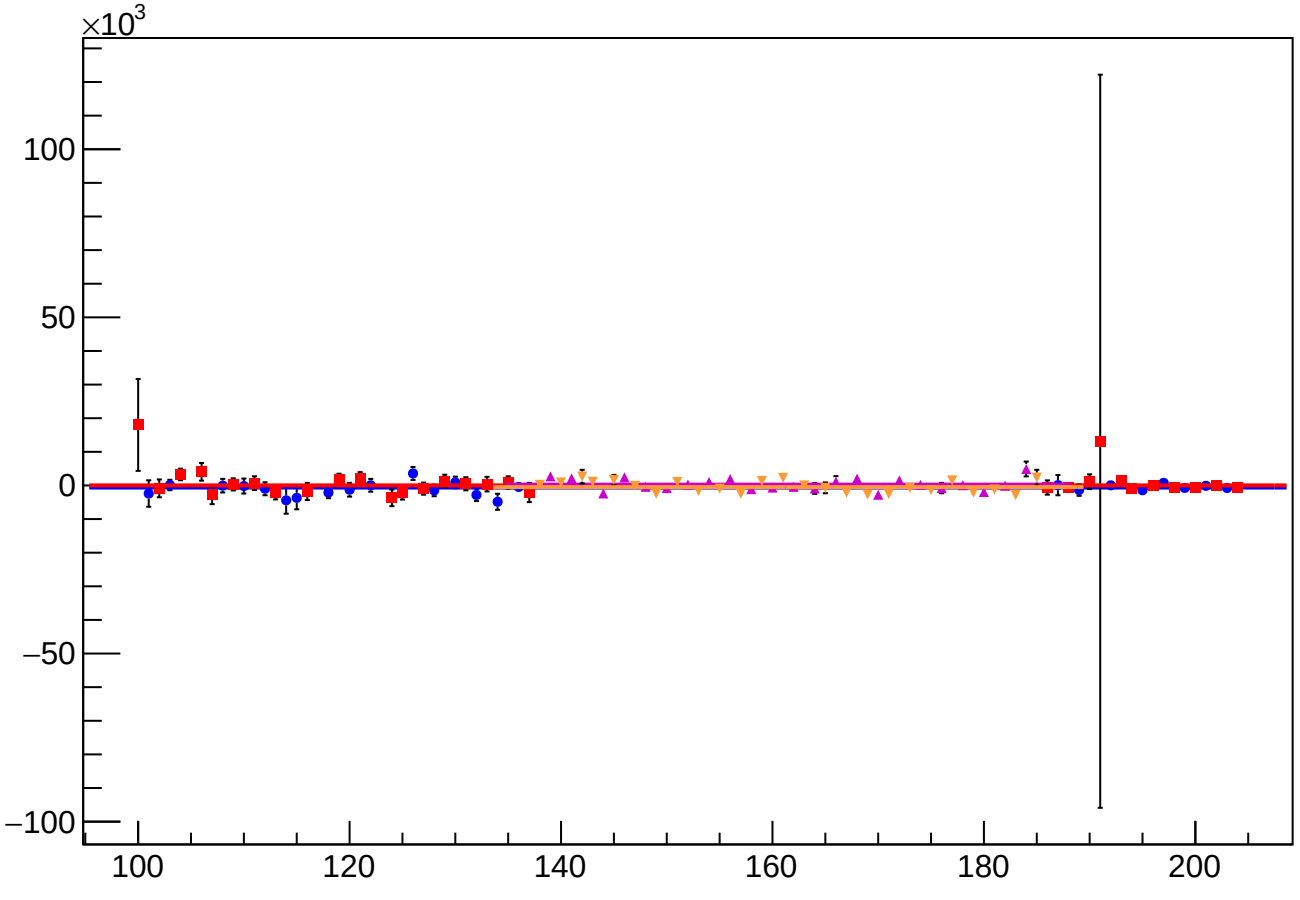
Right Out: 487.908+/-0.113 χ^2/NDF: 12055652.5/29

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 283.149+/-0.042 χ^2/NDF: 19425700.3/48

All: 295.460+/-0.031 χ^2/NDF: 38634898.8/10

- sign 309.281+/-0.045 χ^2/NDF: 19028627.6/52



Right In: -623.245+/-357.219 χ^2/NDF: 15.7/23

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 19.490+/-334.631 χ^2/NDF: 20.7/29

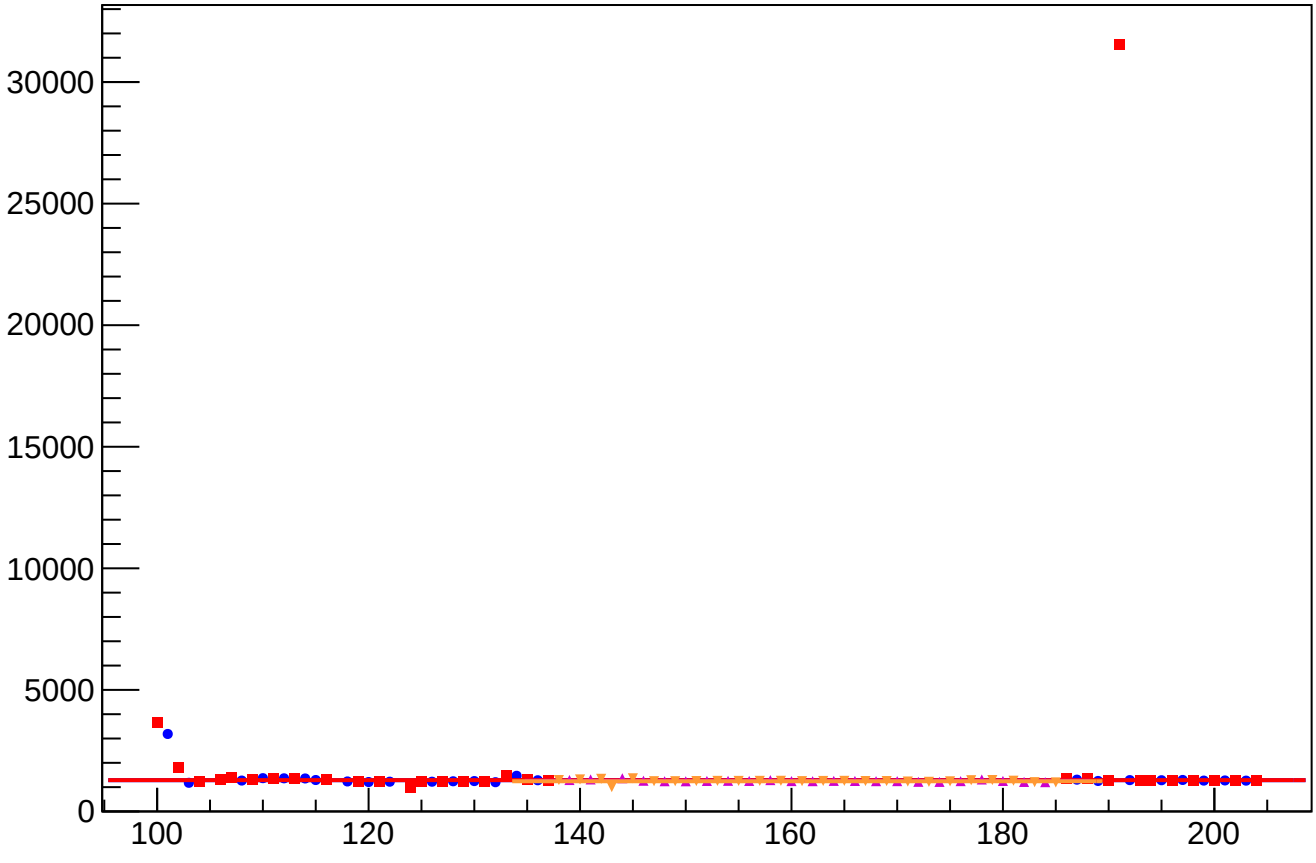
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -543.433+/-221.696 χ^2/NDF: 49.9/48

All: -198.177+/-156.519 χ^2/NDF: 106.4/101

- sign 144.943+/-221.009 χ^2/NDF: 51.7/52

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1285.782+/-0.253 χ^2/NDF: 511383.7/23

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

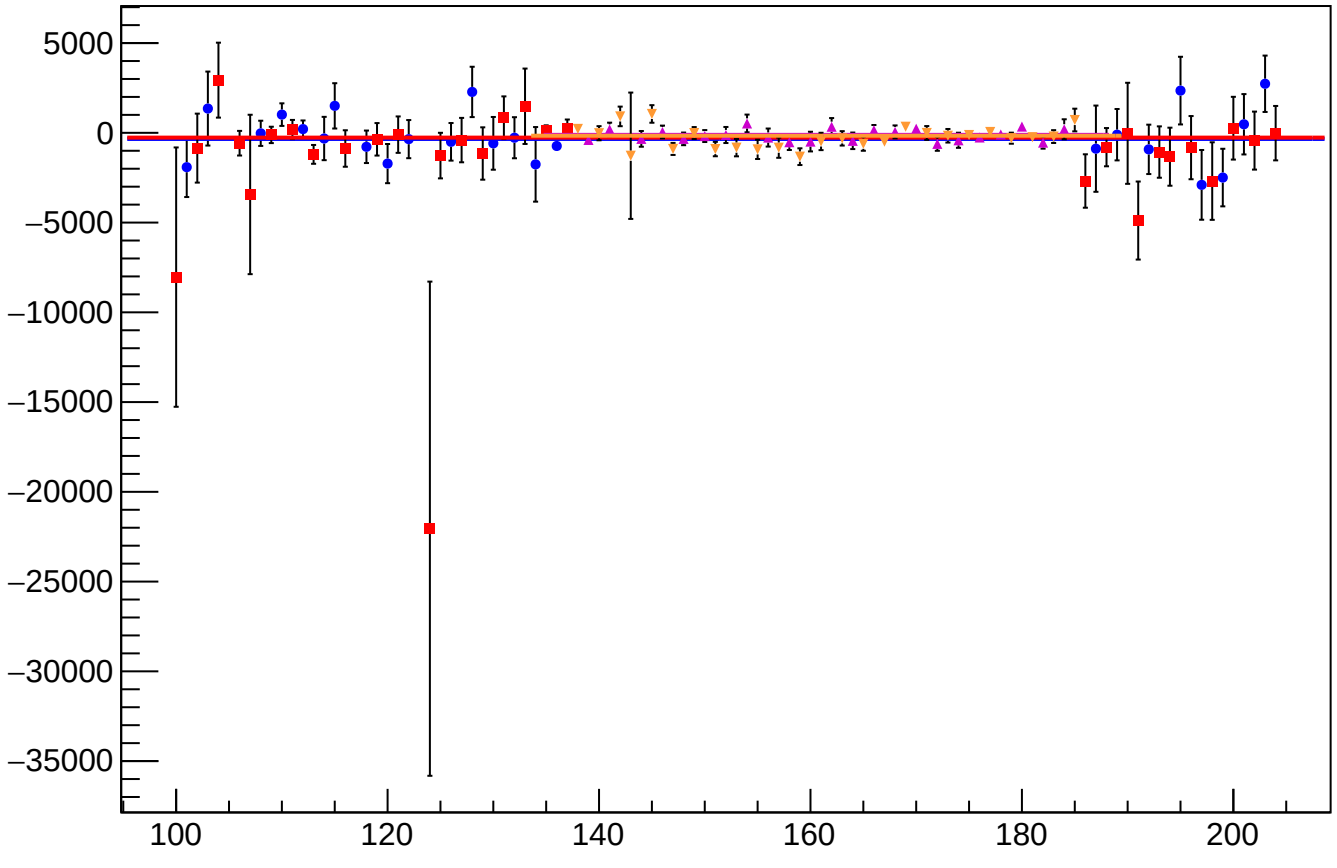
Right Out: 1288.644+/-0.237 χ^2/NDF: 373602.8/29

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1259.195+/-0.157 χ^2/NDF: 659425.9/48

All: 1265.892+/-0.111 χ^2/NDF: 1072807.9/10

- sign 1272.548+/-0.156 χ^2/NDF: 409743.3/52



Right In: -340.944+/-163.305 χ^2/NDF: 28.3/23

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

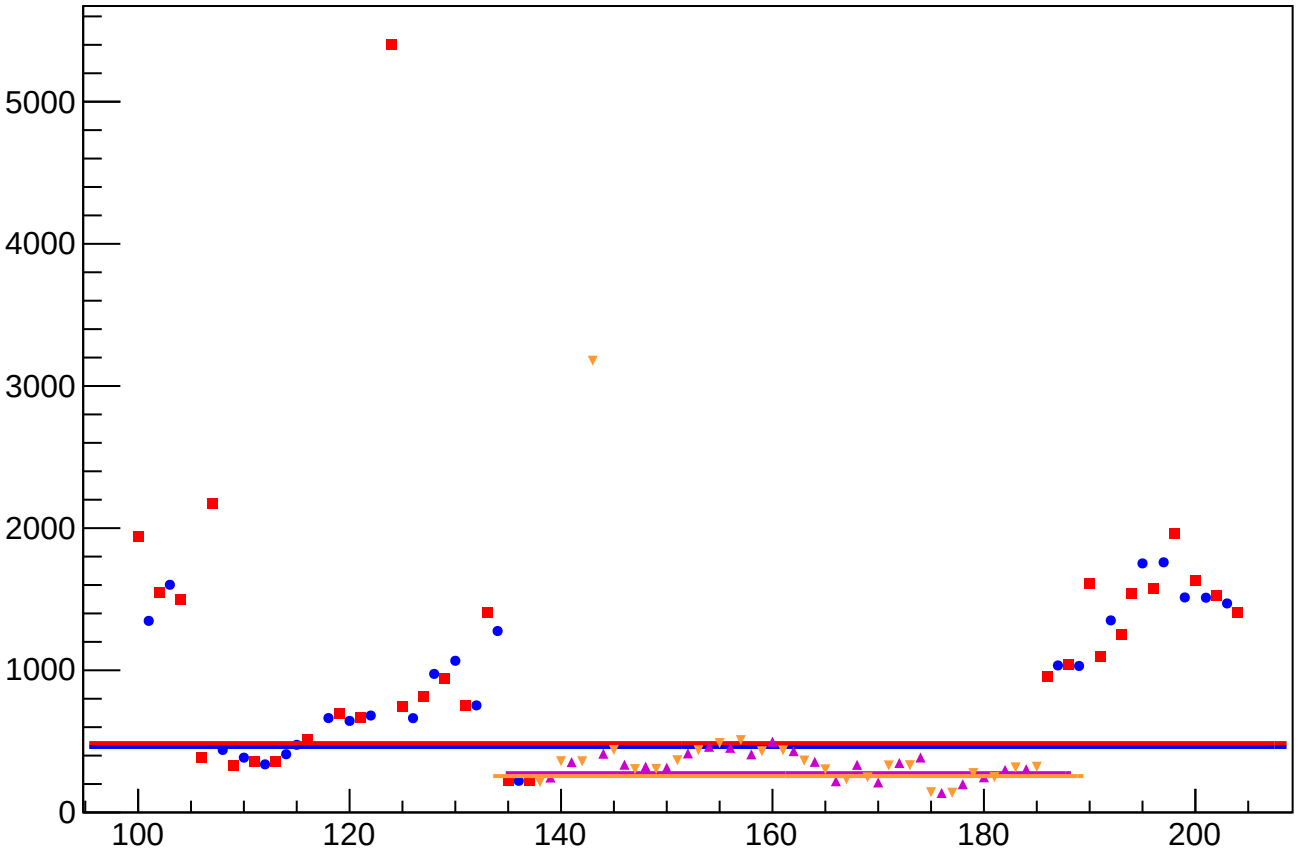
Right Out: -267.022+/-160.206 χ^2/NDF: 25.9/29

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -184.986+/-59.695 χ^2/NDF: 73.2/48

All: -162.669+/-43.413 χ^2/NDF: 118.3/101

- sign -137.614+/-63.249 χ^2/NDF: 44.9/52



Right In: 460.692+/-0.115 χ^2/NDF: 10323205.6/23

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 487.918+/-0.113 χ^2/NDF: 12055388.0/29

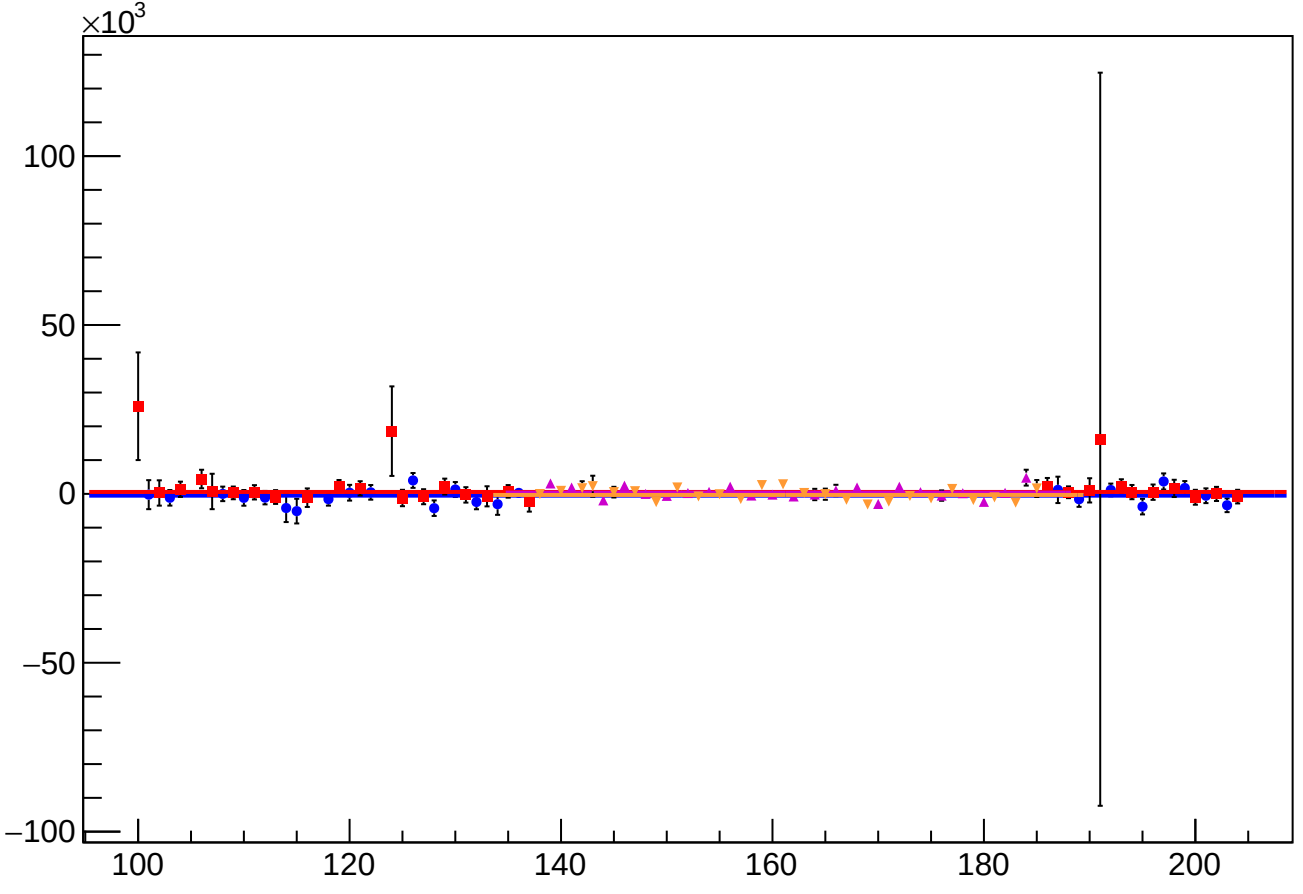
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 283.151+/-0.042 χ^2/NDF: 19425499.8/48

All: 295.462+/-0.031 χ^2/NDF: 38634569.8/10

- sign 309.283+/-0.045 χ^2/NDF: 19028512.2/52

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -527.023+/-459.810 χ^2/NDF: 21.9/23

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 567.706+/-440.175 χ^2/NDF: 13.7/29

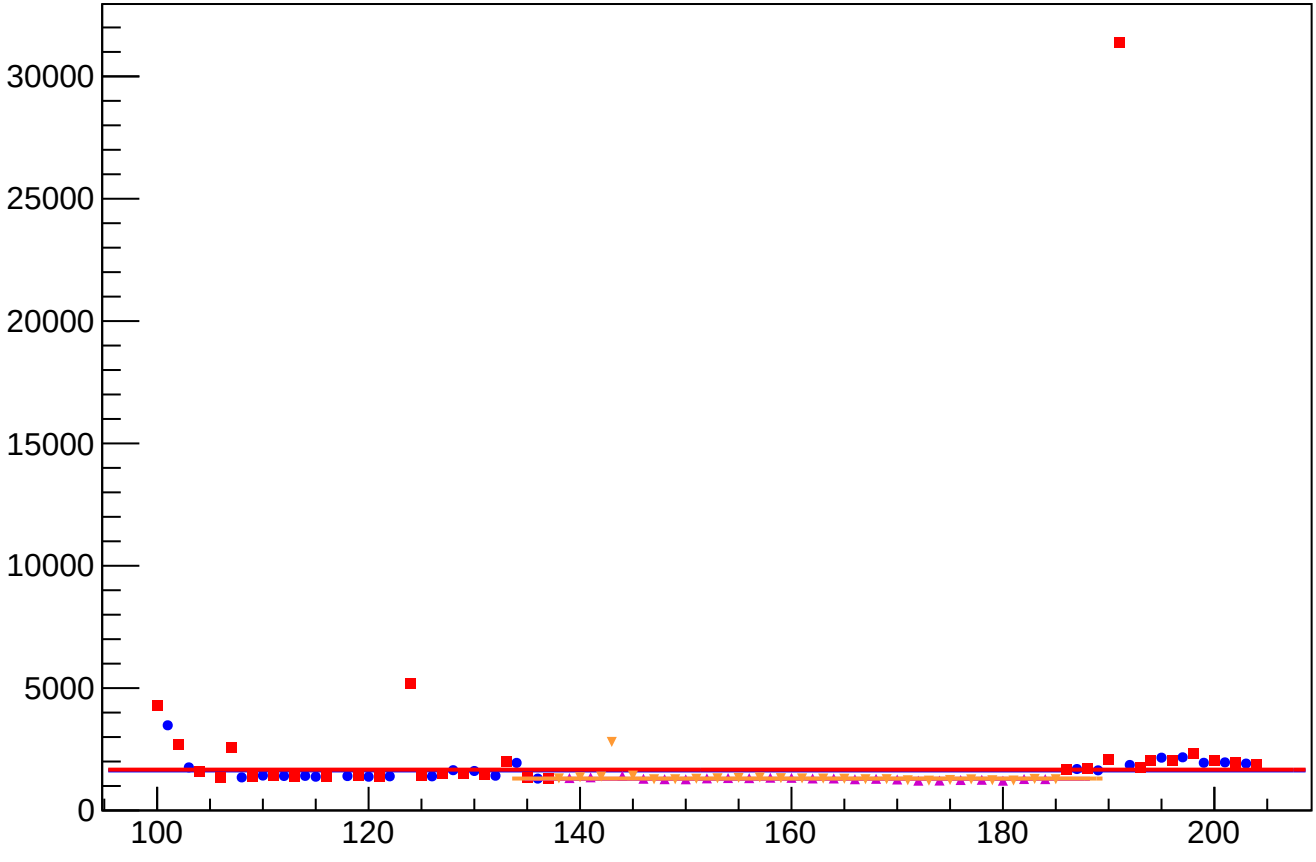
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -381.133+/-250.234 χ^2/NDF: 53.6/48

All: 23.468+/-176.493 χ^2/NDF: 102.3/101

- sign 423.992+/-248.970 χ^2/NDF: 43.5/52

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1635.018+/-0.325 χ^2/NDF: 1086900.4/23

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

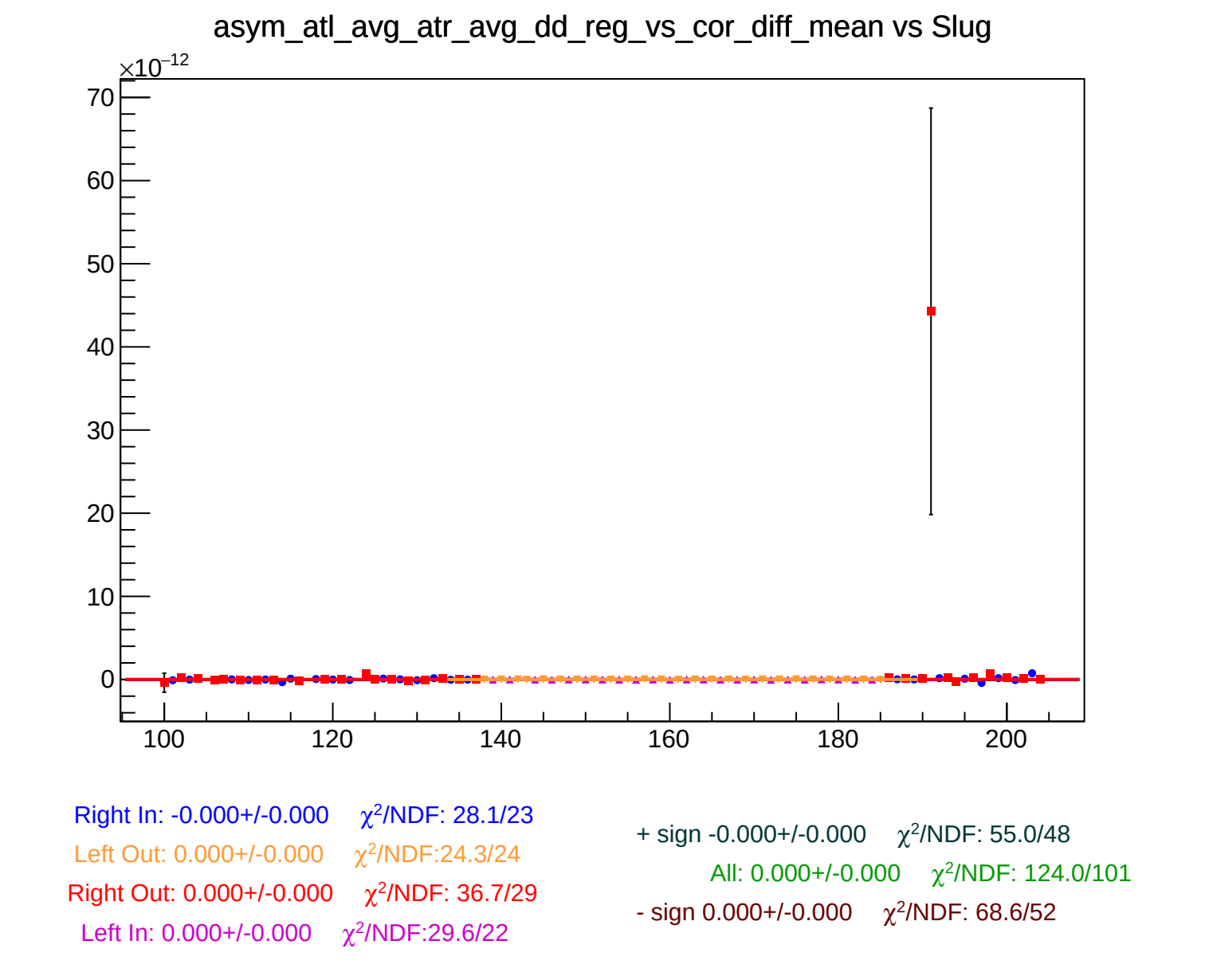
Right Out: 1668.176+/-0.311 χ^2/NDF: 1370915.7/29

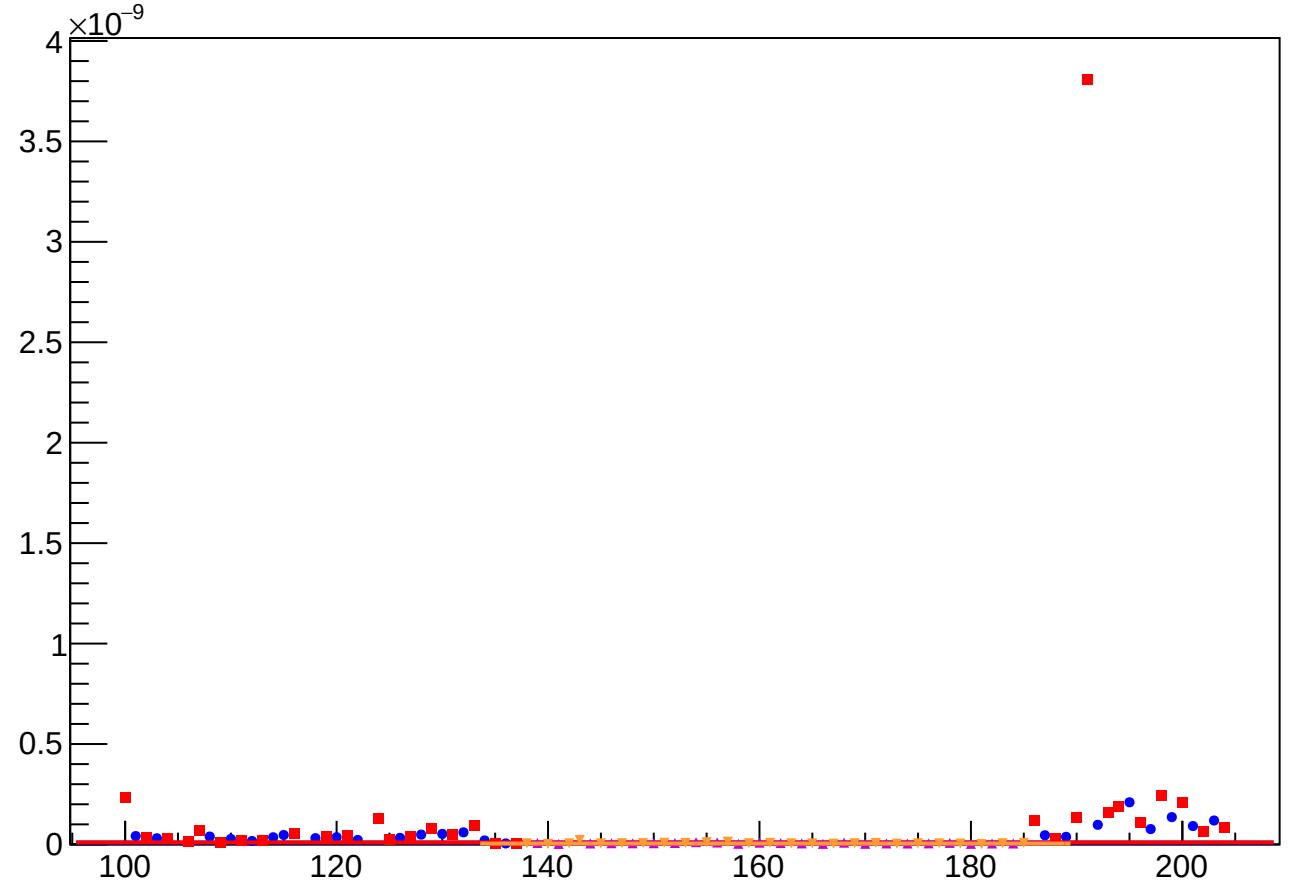
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1402.146+/-0.177 χ^2/NDF: 2335359.7/48

All: 1407.314+/-0.125 χ^2/NDF: 4749061.0/10

- sign 1412.430+/-0.176 χ^2/NDF: 2412003.7/52


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.1/23
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 36.7/29
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 55.0/48
All: 0.000+/-0.000 χ²/NDF: 124.0/101
- sign 0.000+/-0.000 χ²/NDF: 68.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 6272089.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

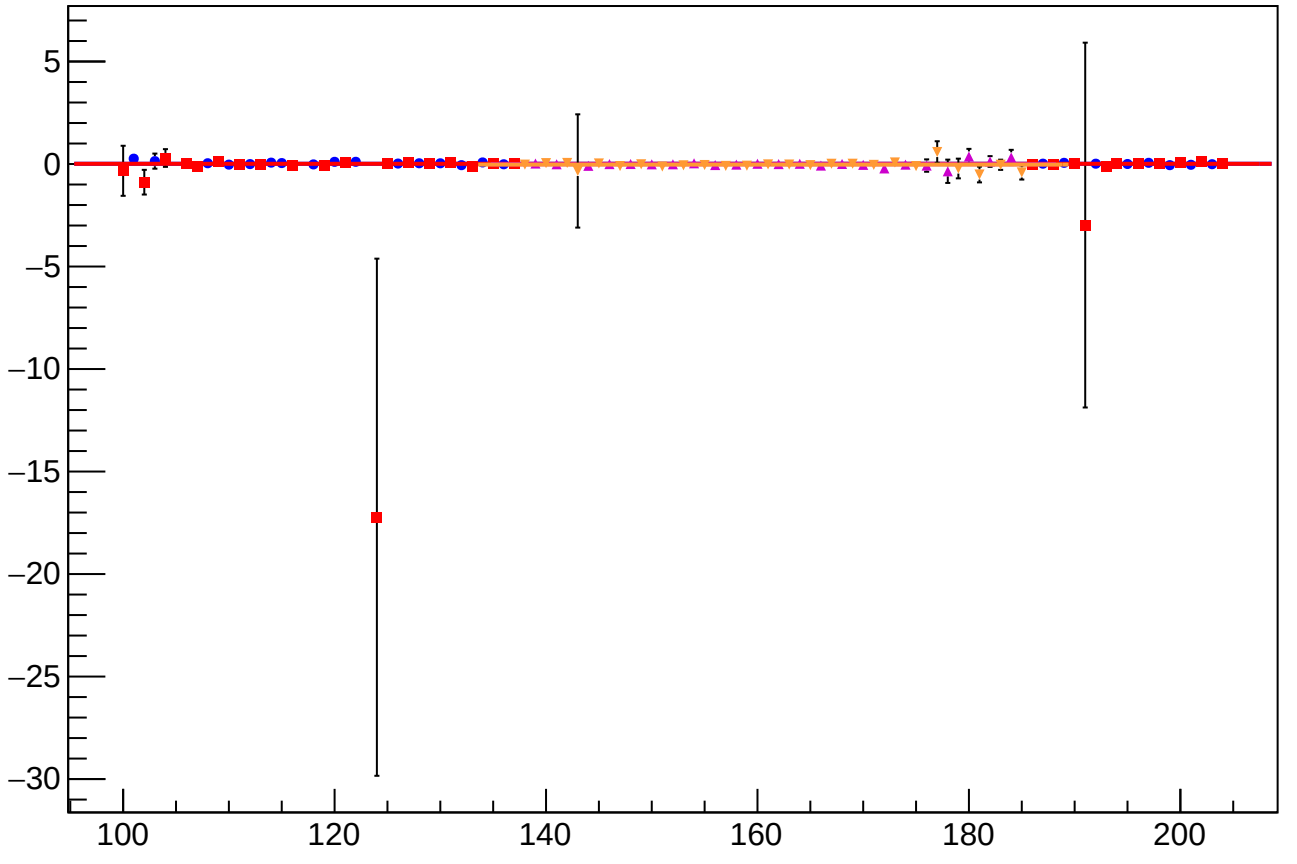
Right Out: 0.000+/-0.000 χ^2/NDF: 8599509.4/29

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9800018.9/48

All: 0.000+/-0.000 χ^2/NDF: 21161261.0/101

- sign 0.000+/-0.000 χ^2/NDF: 11334605.1/52



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.011+/-0.012 χ^2/NDF: 22.4/29

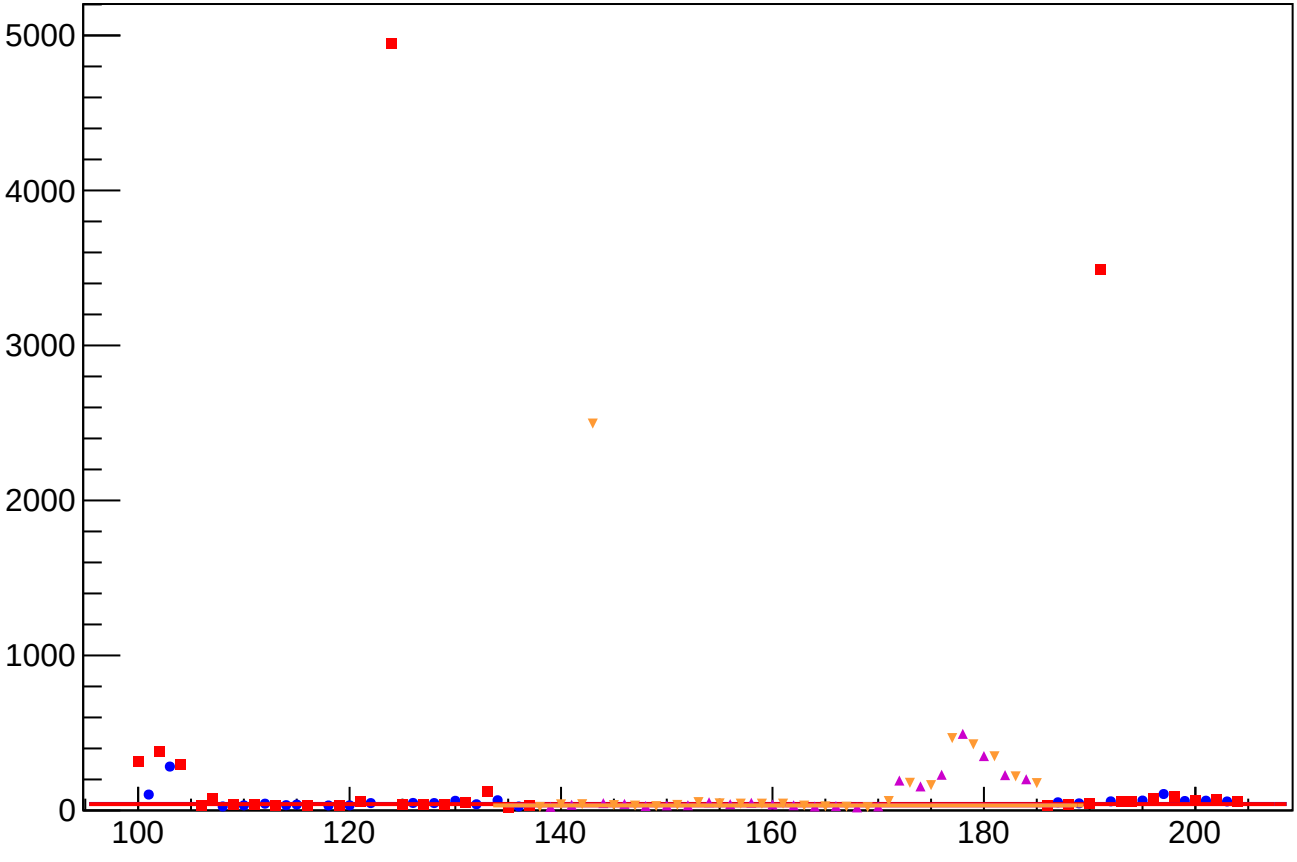
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/48

All: -0.008+/-0.005 χ^2/NDF: 86.4/101

- sign -0.003+/-0.008 χ^2/NDF: 37.4/52

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.940+/-0.009 χ^2/NDF: 3949382.4/23

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

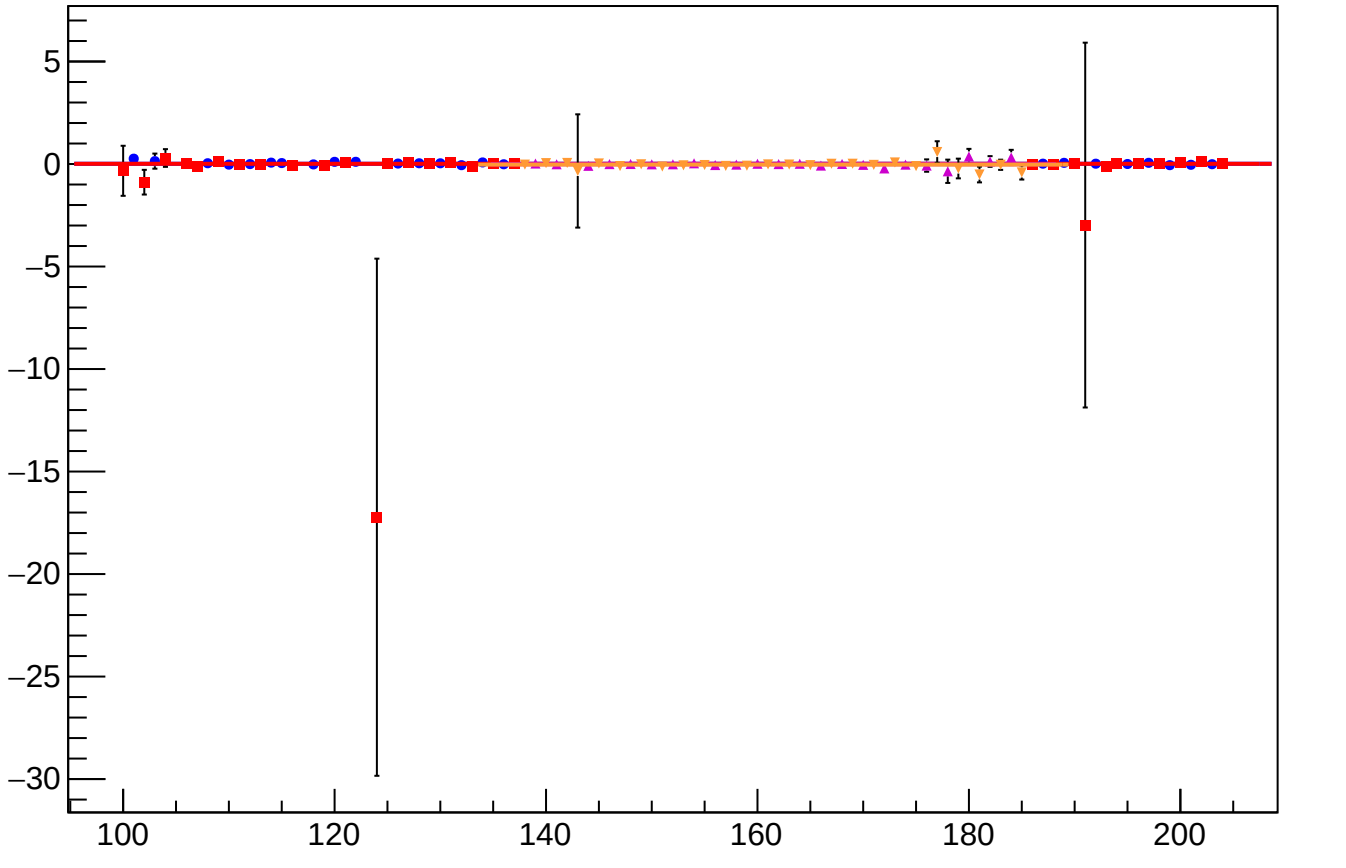
Right Out: 40.897+/-0.009 χ^2/NDF: 5377640.1/29

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.709+/-0.005 χ^2/NDF: 15475964.0/48

All: 35.733+/-0.004 χ^2/NDF: 30362485.1/101

- sign 35.756+/-0.005 χ^2/NDF: 14886483.4/52



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.011+/-0.012 χ^2/NDF: 22.4/29

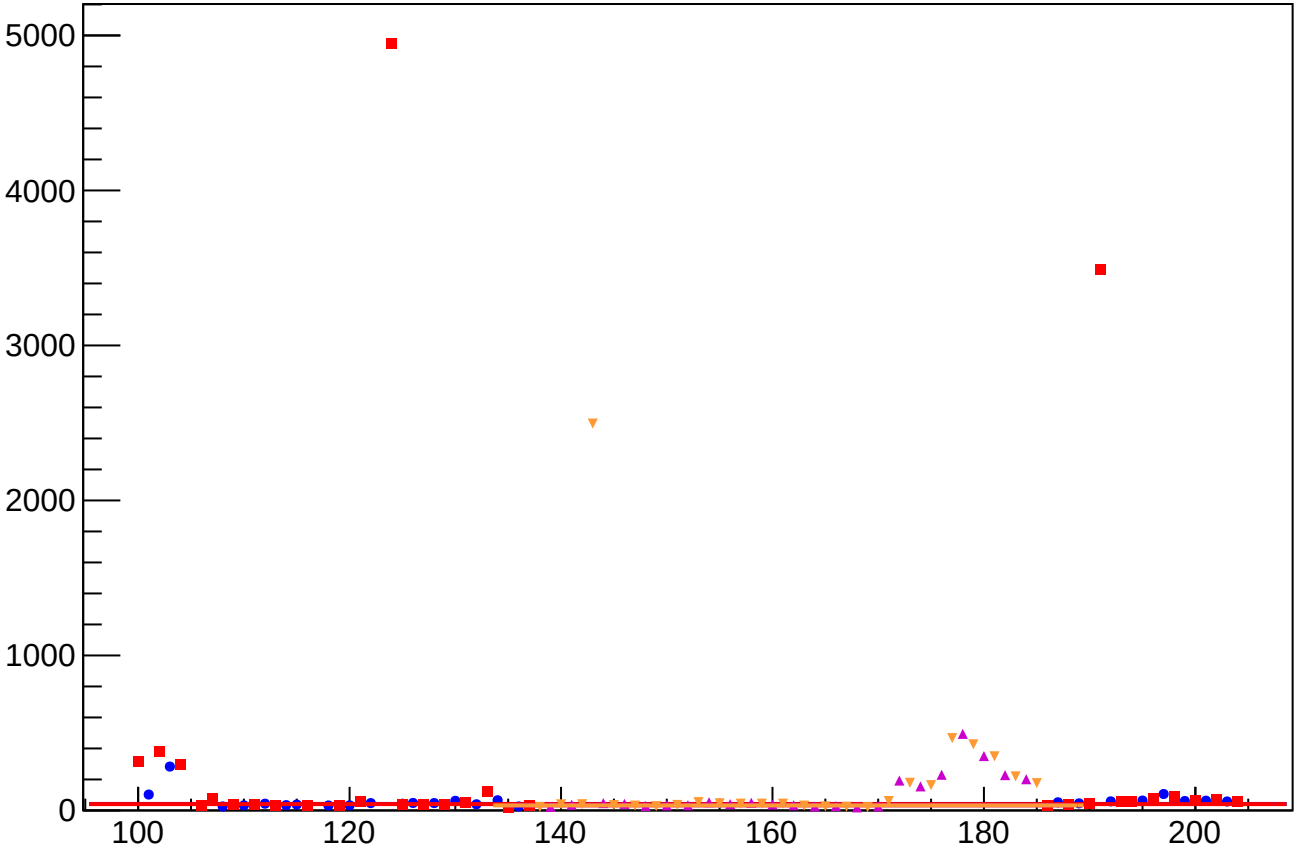
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/48

All: -0.008+/-0.005 χ^2/NDF: 86.4/101

- sign -0.003+/-0.008 χ^2/NDF: 37.4/52

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.940+/-0.009 χ^2/NDF: 3949382.4/23

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

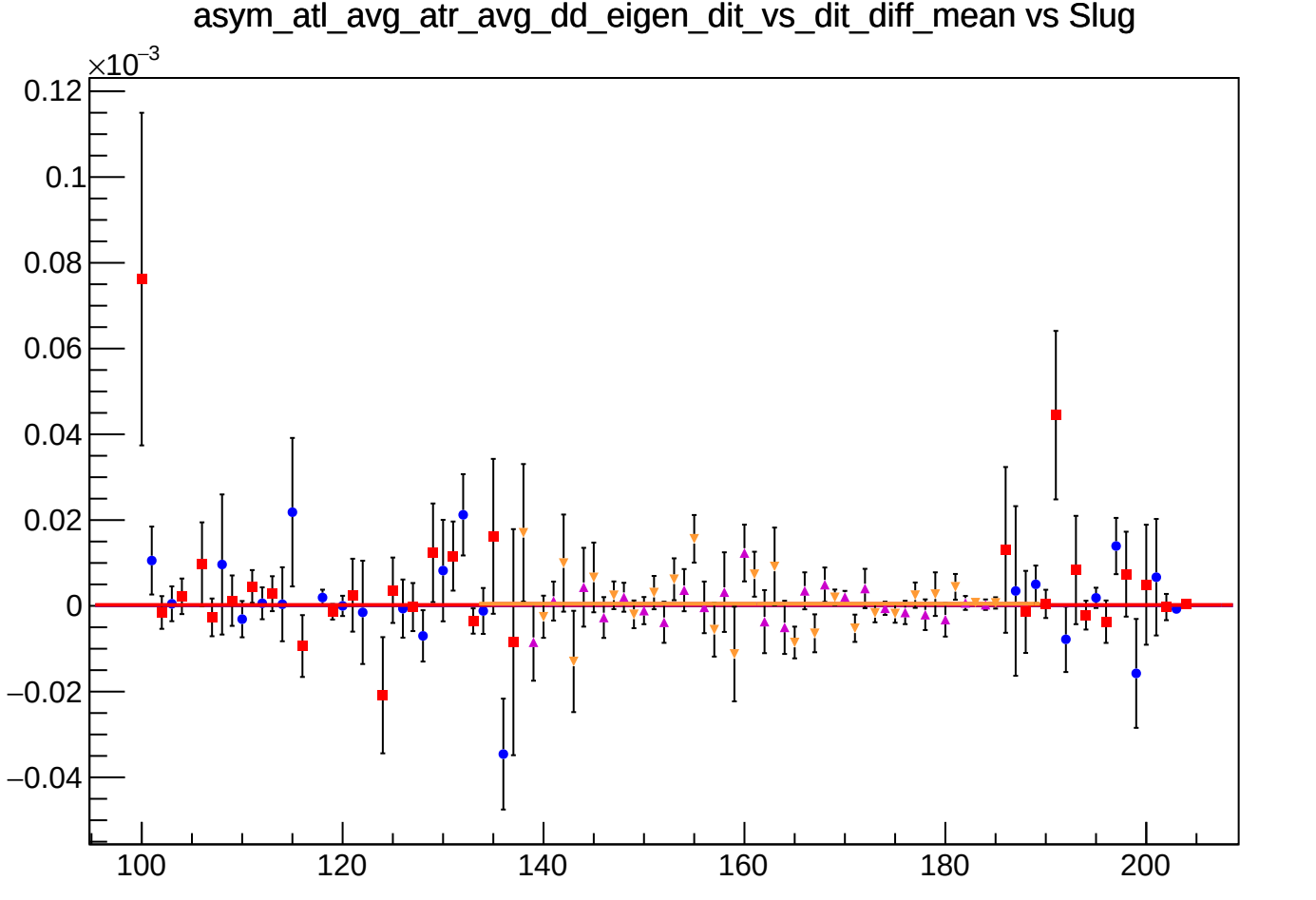
Right Out: 40.897+/-0.009 χ^2/NDF: 5377640.1/29

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.709+/-0.005 χ^2/NDF: 15475964.0/48

All: 35.733+/-0.004 χ^2/NDF: 30362485.1/101

- sign 35.756+/-0.005 χ^2/NDF: 14886483.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

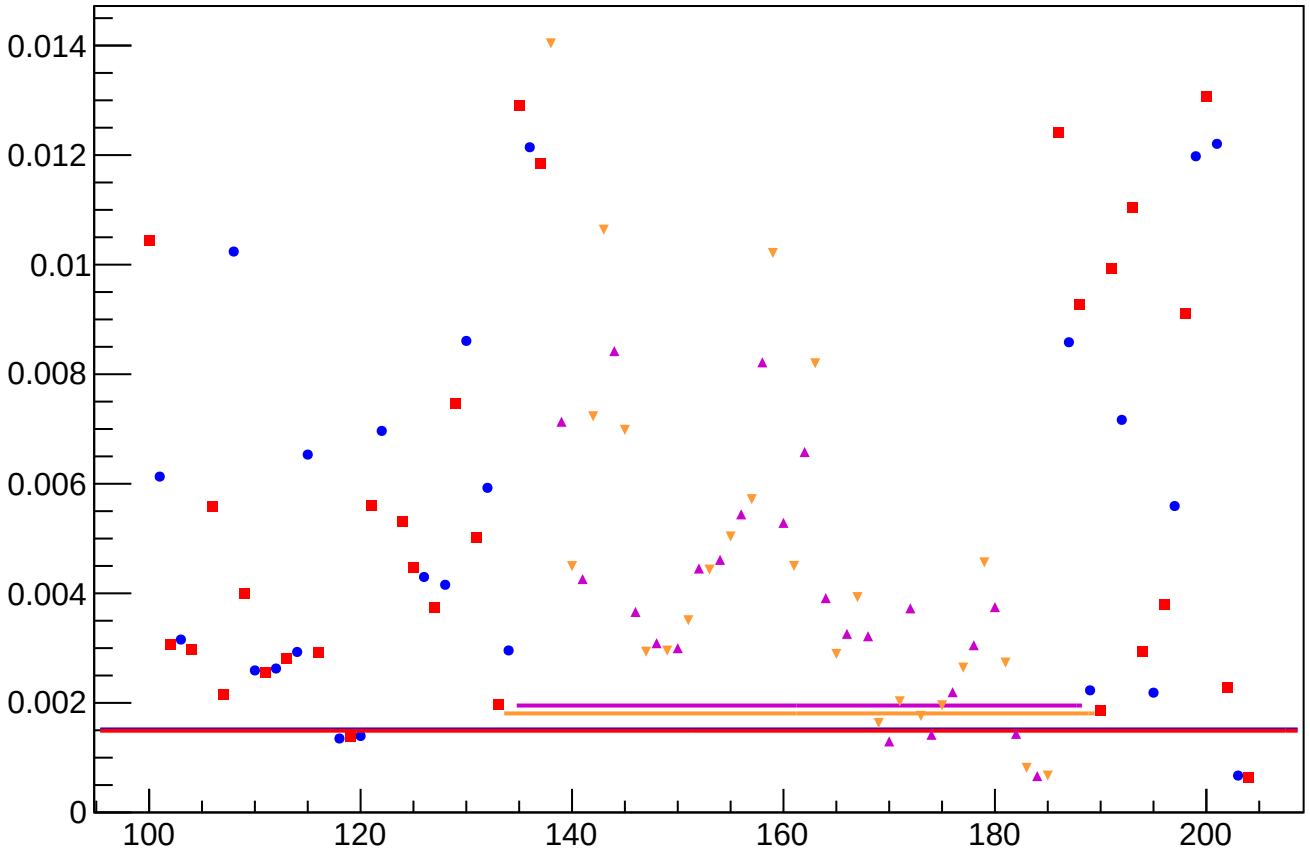
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/29

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.5/48

All: 0.000+/-0.000 χ^2/NDF: 105.4/101

- sign 0.000+/-0.000 χ^2/NDF: 39.9/52



Right In: 0.002+/-0.000 χ^2/NDF: 12850645.6/23

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

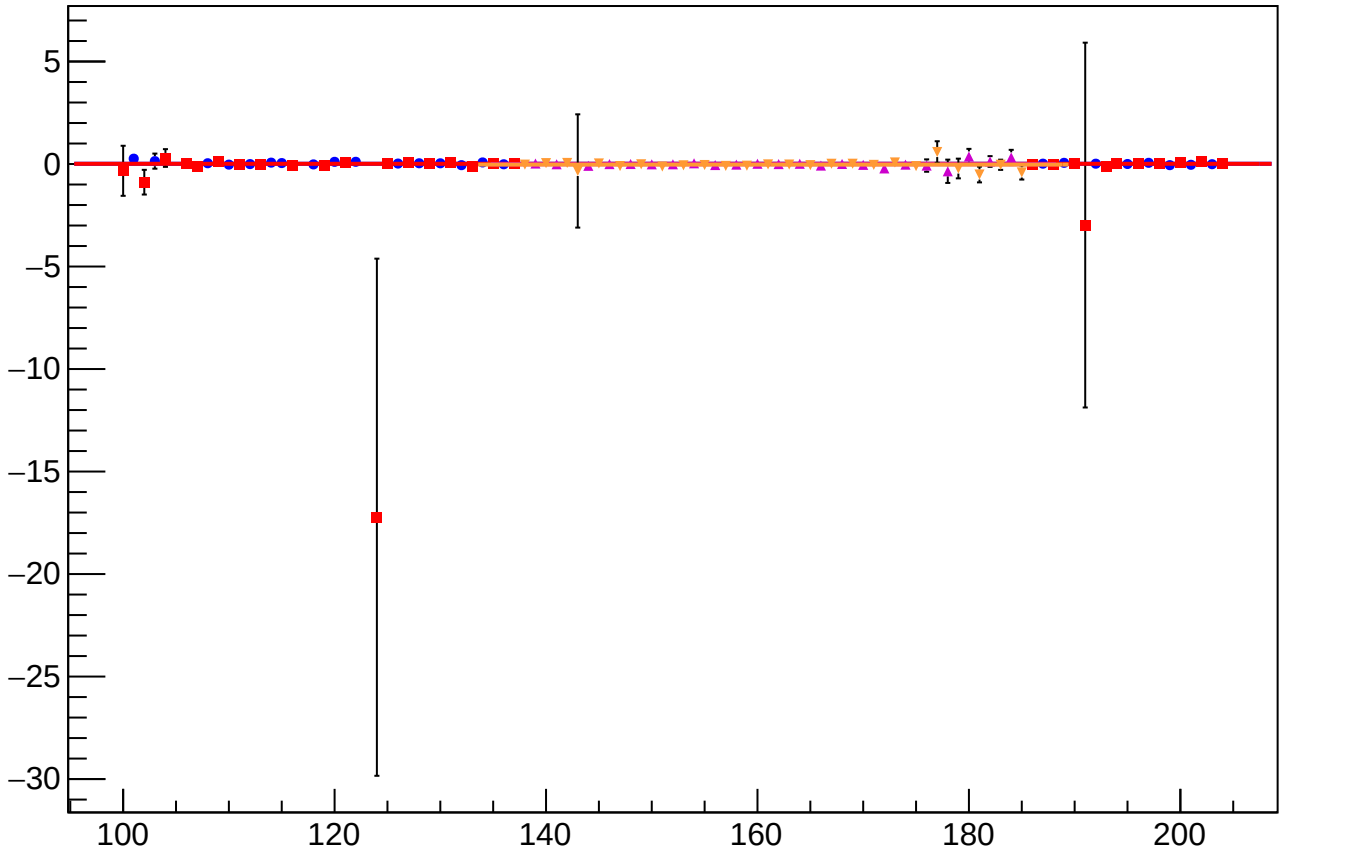
Right Out: 0.001+/-0.000 χ^2/NDF: 14939490.4/29

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 28037946.0/48

All: 0.002+/-0.000 χ^2/NDF: 55091506.1/101

- sign 0.002+/-0.000 χ^2/NDF: 27047236.6/52



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.011+/-0.012 χ^2/NDF: 22.4/29

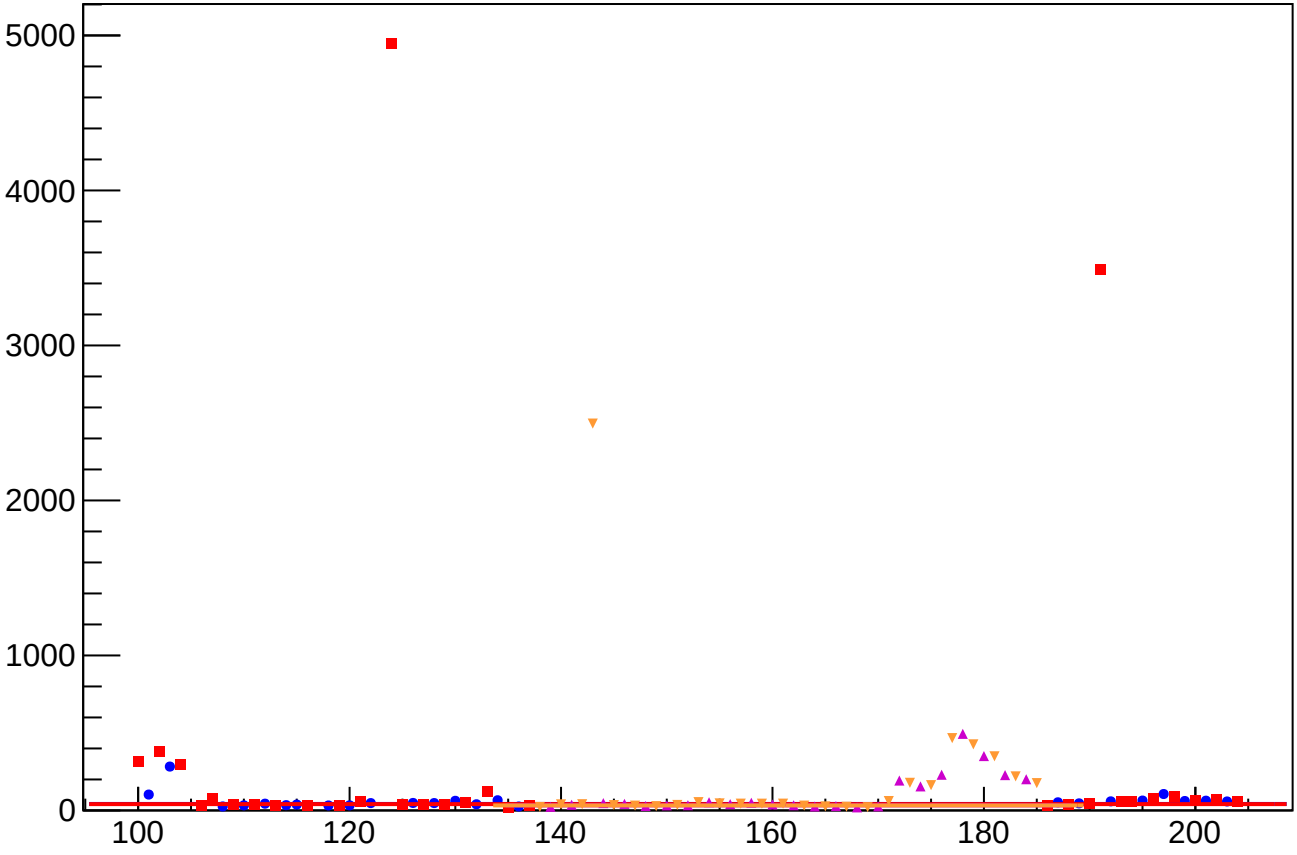
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/48

All: -0.008+/-0.005 χ^2/NDF: 86.5/101

- sign -0.003+/-0.008 χ^2/NDF: 37.4/52

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.941+/-0.009 χ^2/NDF: 3948908.3/23

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

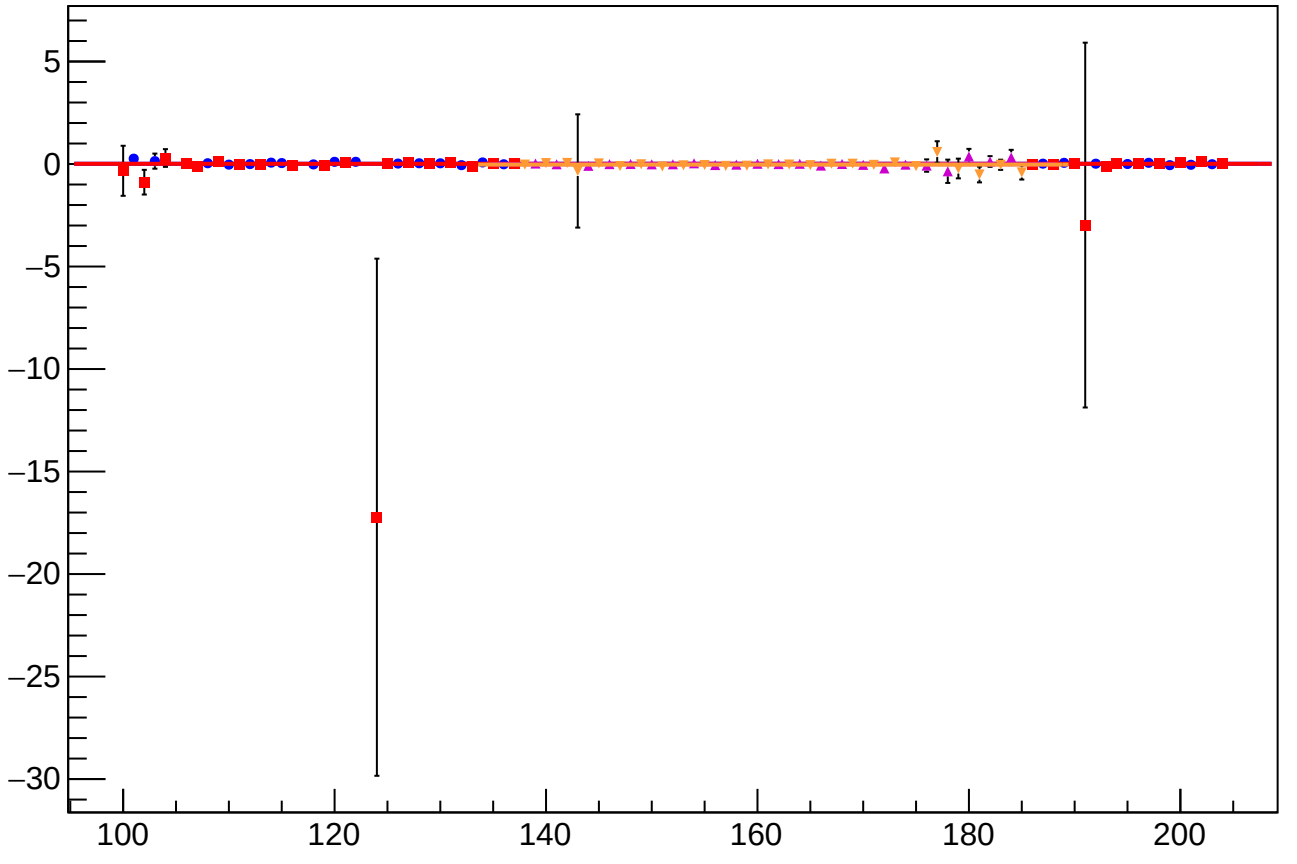
Right Out: 40.897+/-0.009 χ^2/NDF: 5377410.1/29

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.709+/-0.005 χ^2/NDF: 15475952.4/48

All: 35.733+/-0.004 χ^2/NDF: 30363089.6/101

- sign 35.755+/-0.005 χ^2/NDF: 14887101.2/52



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.011+/-0.012 χ^2/NDF: 22.4/29

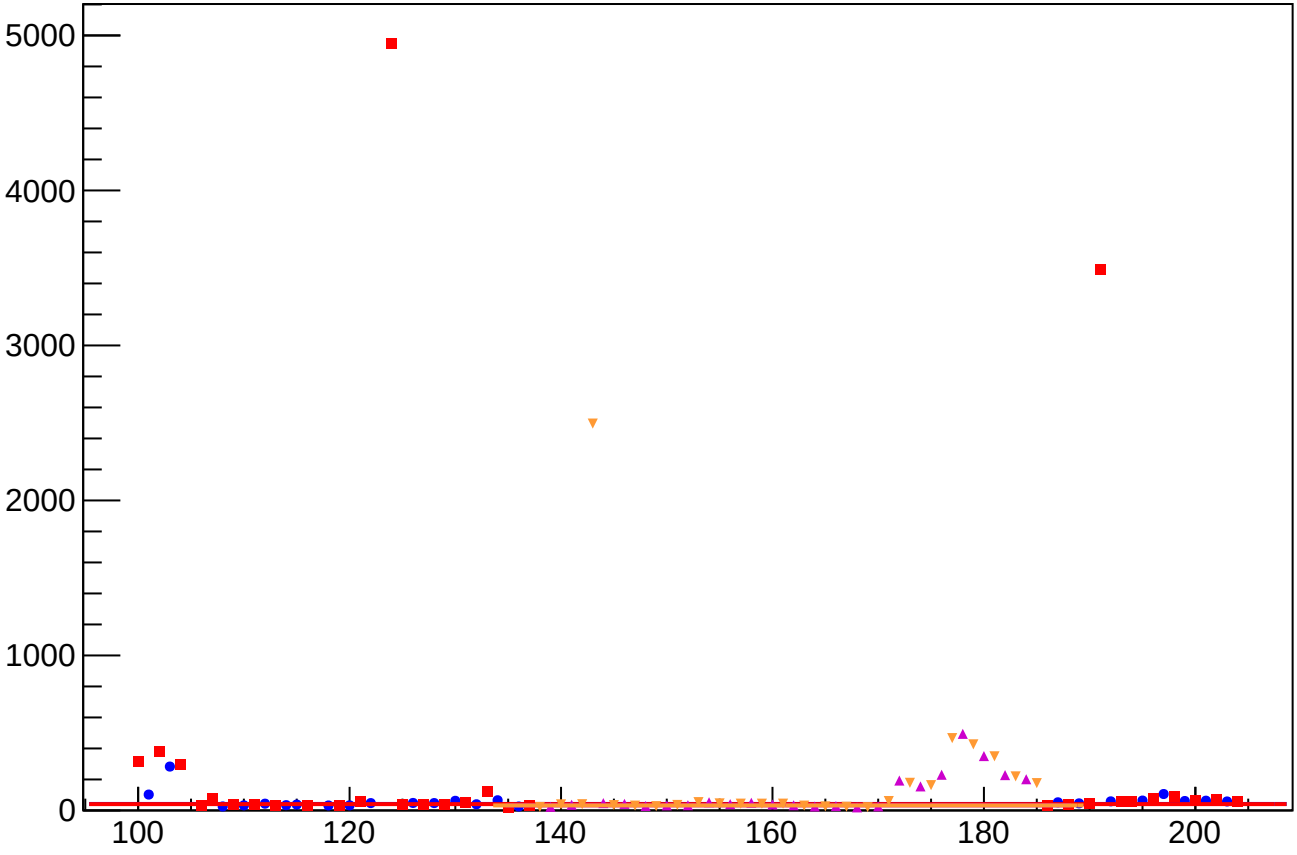
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/48

All: -0.008+/-0.005 χ^2/NDF: 86.5/101

- sign -0.003+/-0.008 χ^2/NDF: 37.4/52

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.941+/-0.009 χ^2/NDF: 3948908.3/23

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

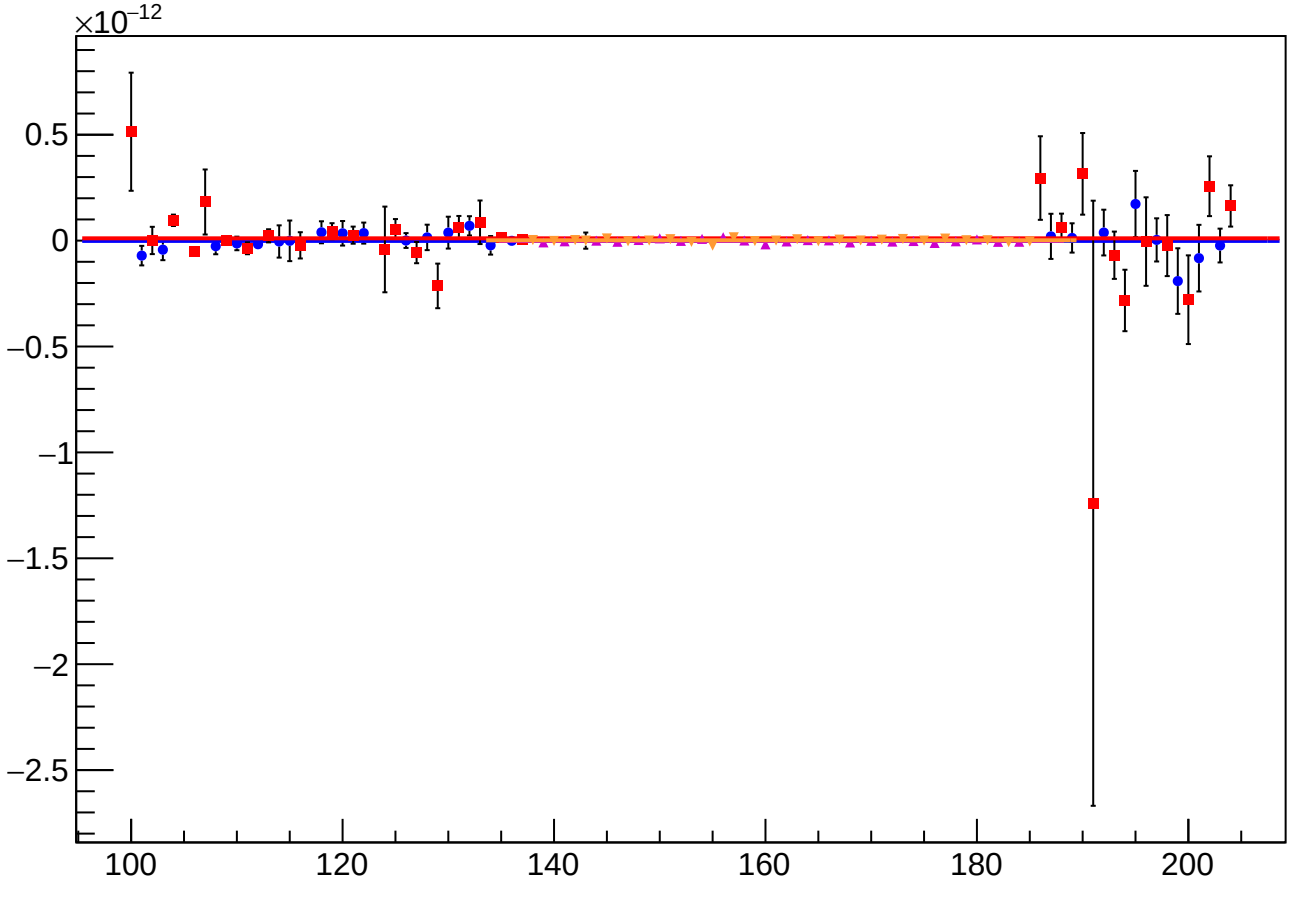
Right Out: 40.897+/-0.009 χ^2/NDF: 5377410.1/29

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.709+/-0.005 χ^2/NDF: 15475952.4/48

All: 35.733+/-0.004 χ^2/NDF: 30363089.6/101

- sign 35.755+/-0.005 χ^2/NDF: 14887101.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

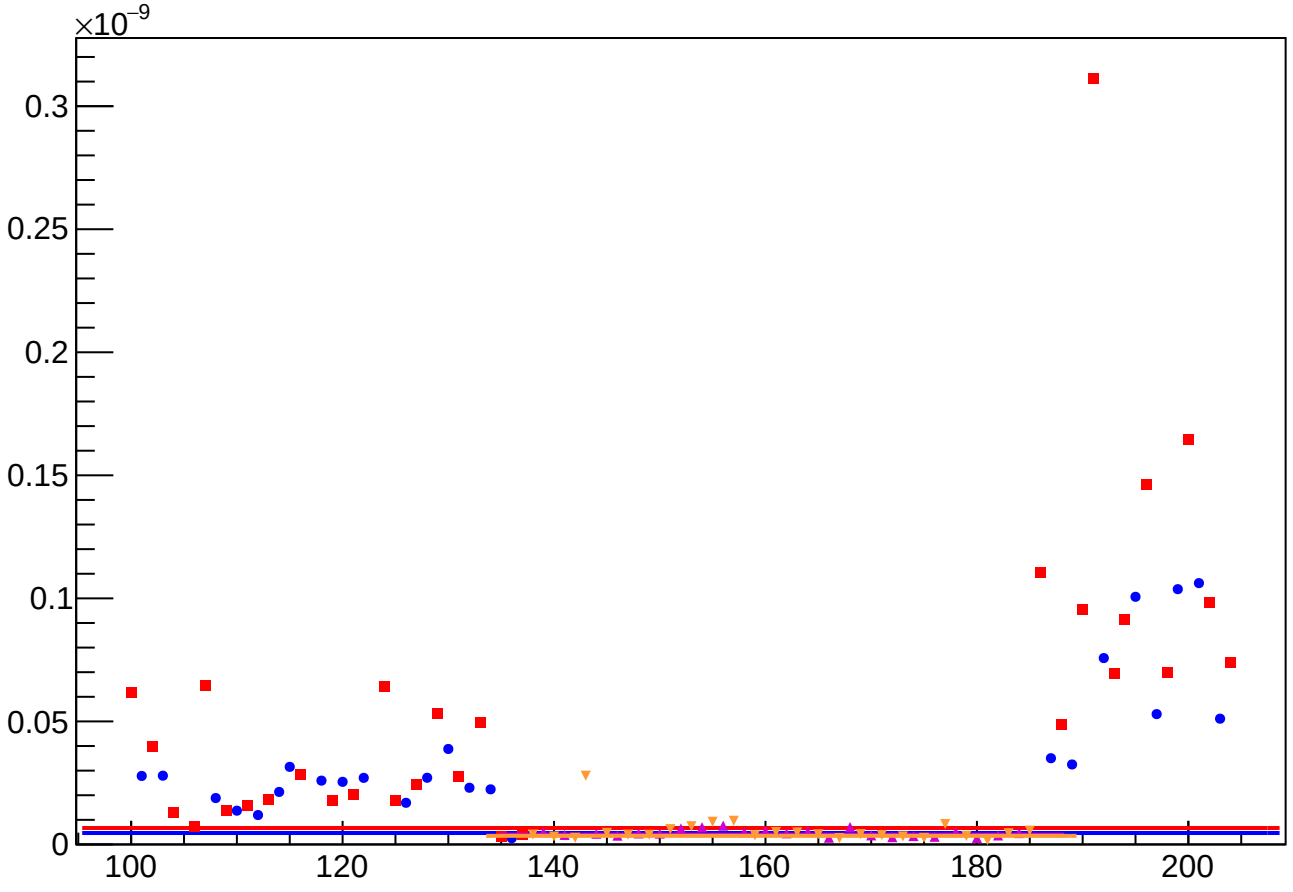
Right Out: 0.000+/-0.000 χ^2/NDF: 57.9/29

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.6/48

All: 0.000+/-0.000 χ^2/NDF: 126.1/101

- sign -0.000+/-0.000 χ^2/NDF: 94.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 10002564.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12374937.9/29

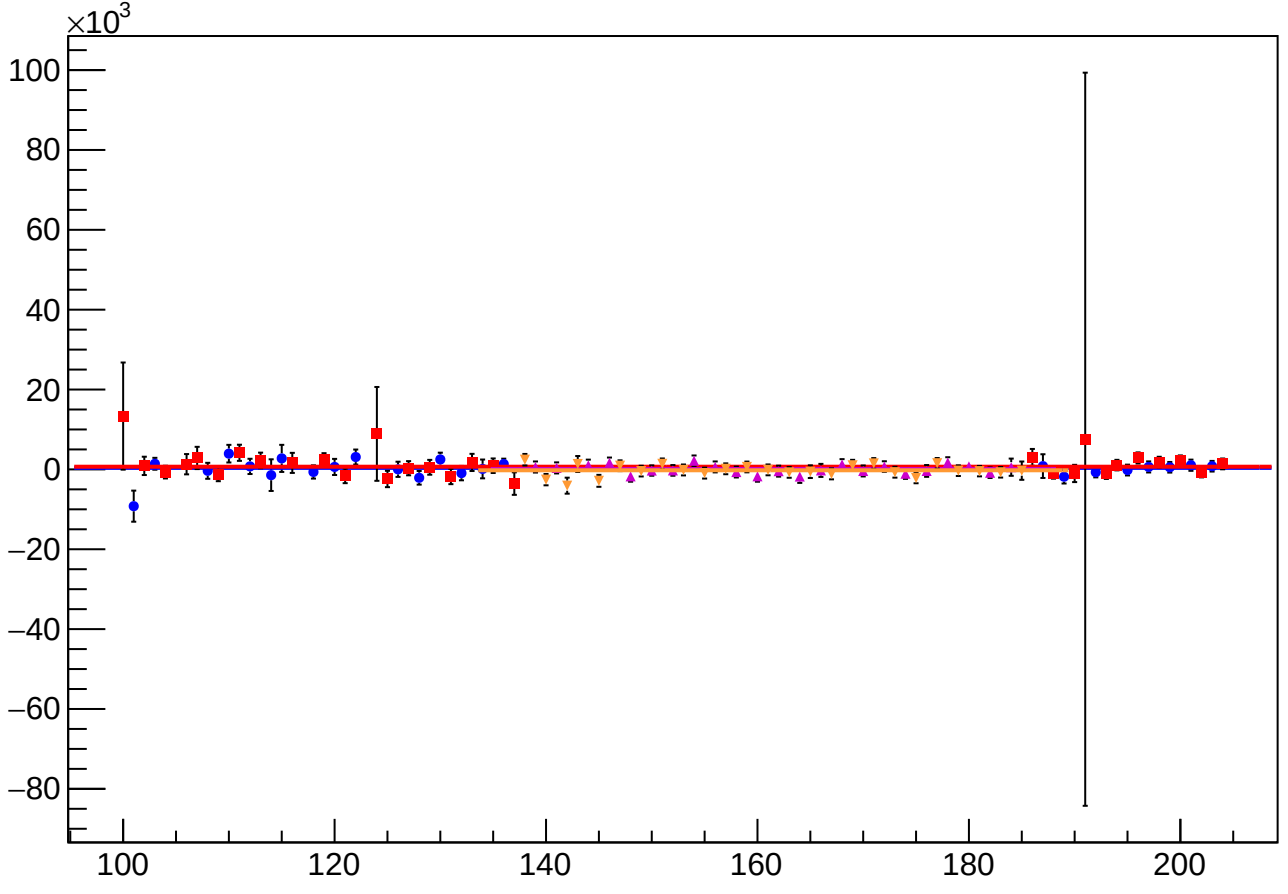
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14902525.1/48

All: 0.000+/-0.000 χ^2/NDF: 30435688.1/101

- sign 0.000+/-0.000 χ^2/NDF: 15243358.0/52

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 380.864+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 671.748+/-331.777 χ^2/NDF: 27.3/29

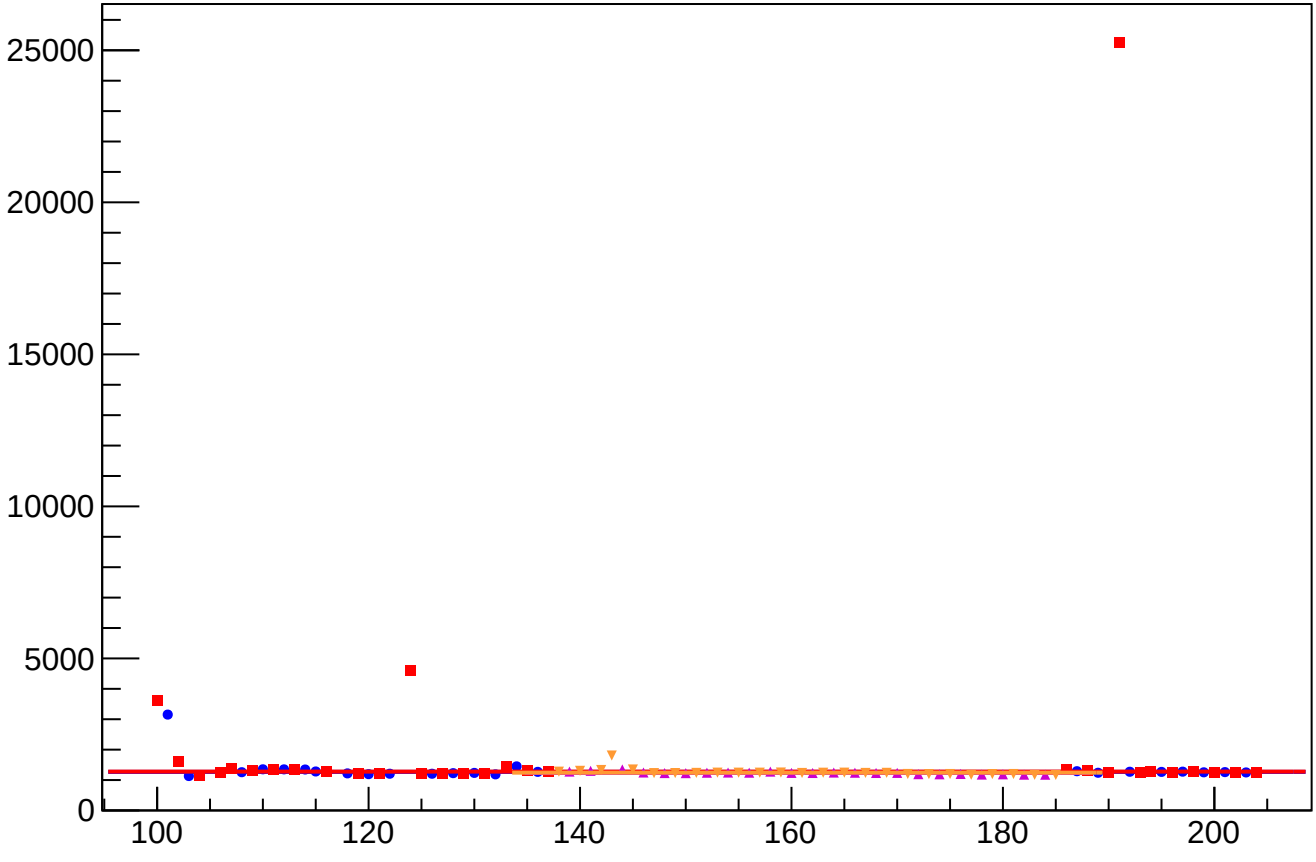
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 15.270+/-220.659 χ^2/NDF: 45.9/48

All: 180.711+/-154.930 χ^2/NDF: 90.8/101

- sign 341.570+/-217.583 χ^2/NDF: 43.8/52

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1267.948+/-0.249 χ^2/NDF: 520874.4/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

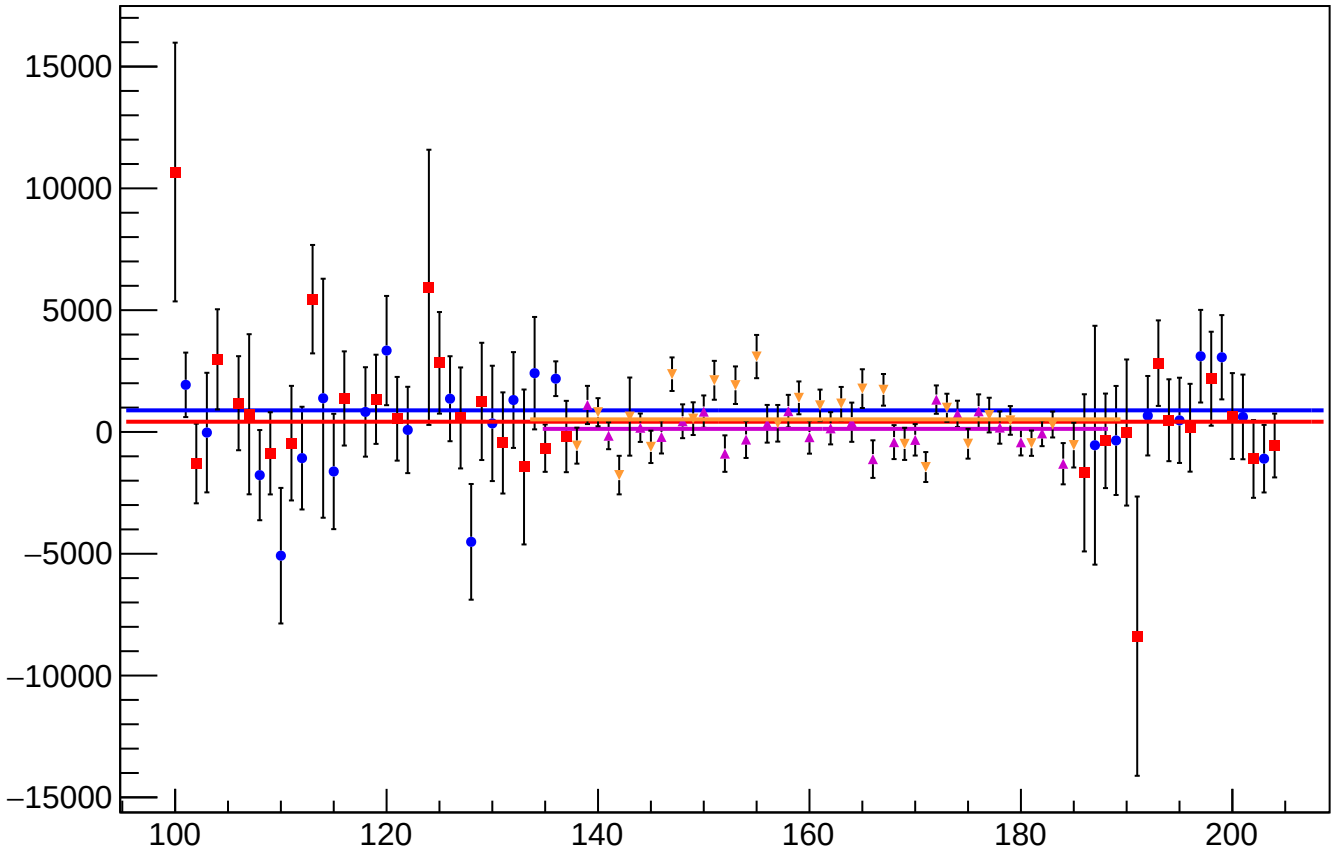
Right Out: 1277.696+/-0.235 χ^2/NDF: 470699.2/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1252.680+/-0.156 χ^2/NDF: 730354.2/48

All: 1252.666+/-0.110 χ^2/NDF: 1260330.9/10

- sign 1252.652+/-0.154 χ^2/NDF: 529976.6/52



Right In: 887.253+/-355.340 χ^2/NDF: 25.4/23

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

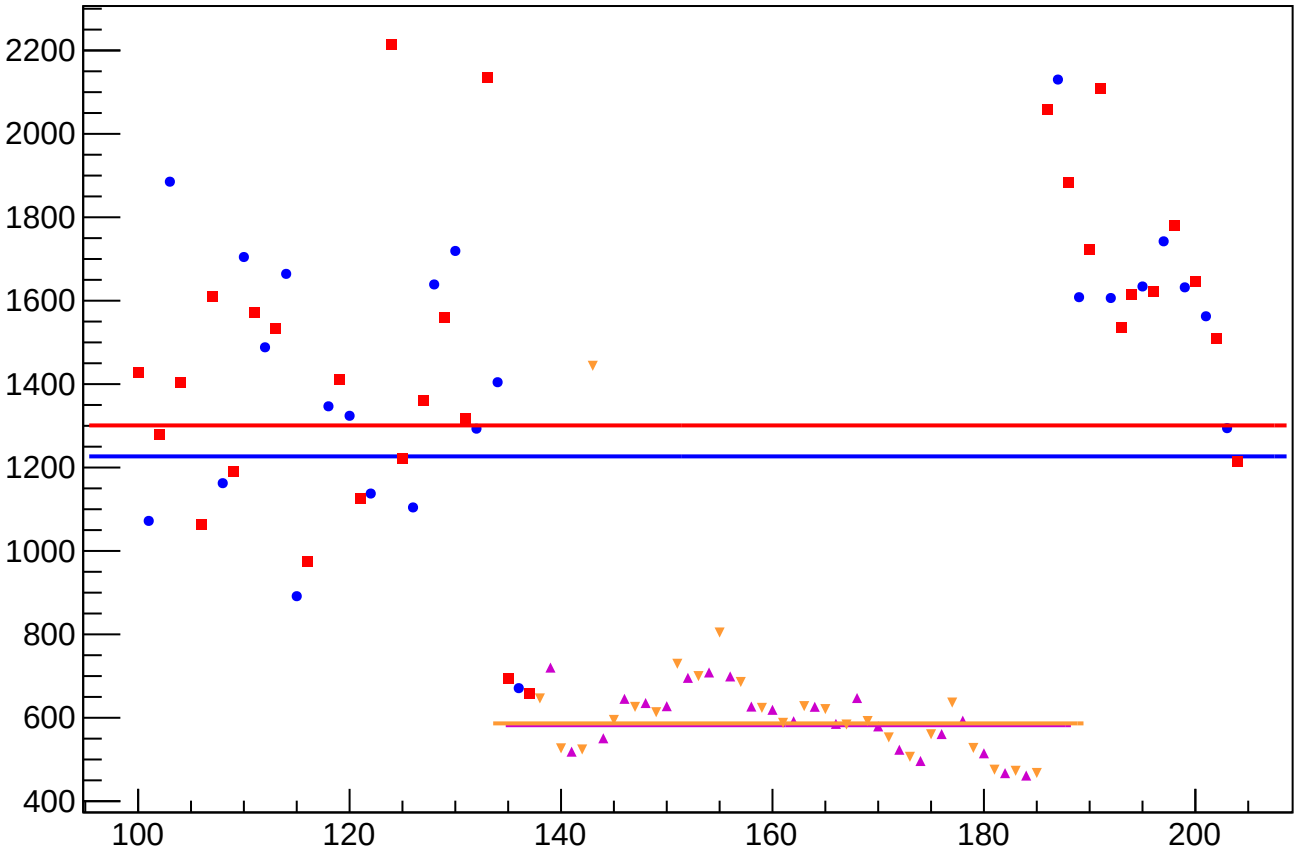
Right Out: 420.300+/-348.719 χ^2/NDF: 24.4/29

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 563.971+/-126.808 χ^2/NDF: 93.4/48

All: 366.410+/-89.990 χ^2/NDF: 144.9/101

- sign 165.975+/-127.727 χ^2/NDF: 46.6/52



Right In: 1226.721+/-0.251 χ^2/NDF: 2401715.0/23

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1300.966+/-0.247 χ^2/NDF: 2359618.3/29

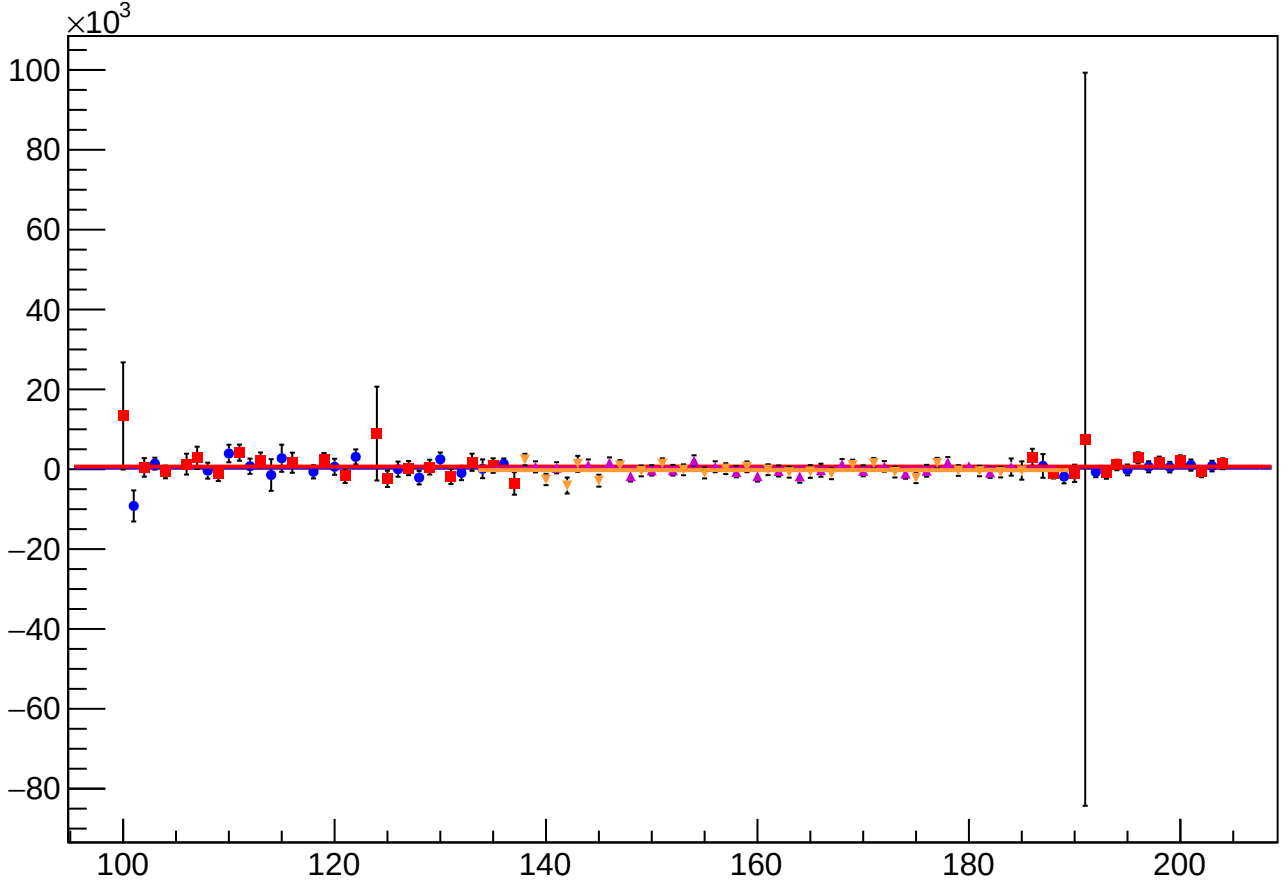
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 668.083+/-0.090 χ^2/NDF: 9269138.4/48

All: 673.313+/-0.064 χ^2/NDF: 19551919.7/10

- sign 678.619+/-0.090 χ^2/NDF: 10275927.7/52

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 381.082+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 662.242+/-332.046 χ^2/NDF: 27.3/29

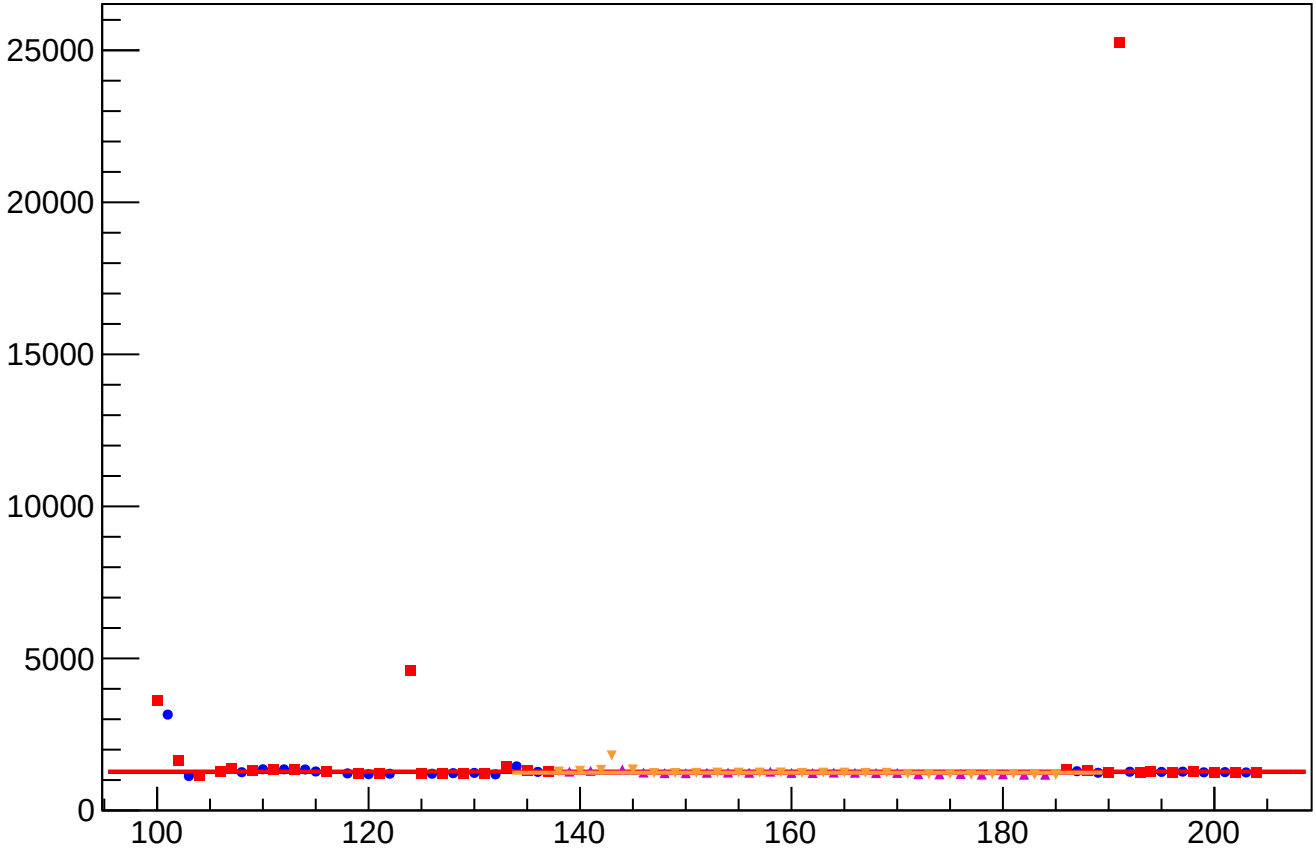
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 15.335+/-220.659 χ^2/NDF: 45.9/48

All: 178.519+/-154.958 χ^2/NDF: 90.6/101

- sign 337.296+/-217.658 χ^2/NDF: 43.7/52

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1267.948+/-0.249 χ^2/NDF: 520875.8/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

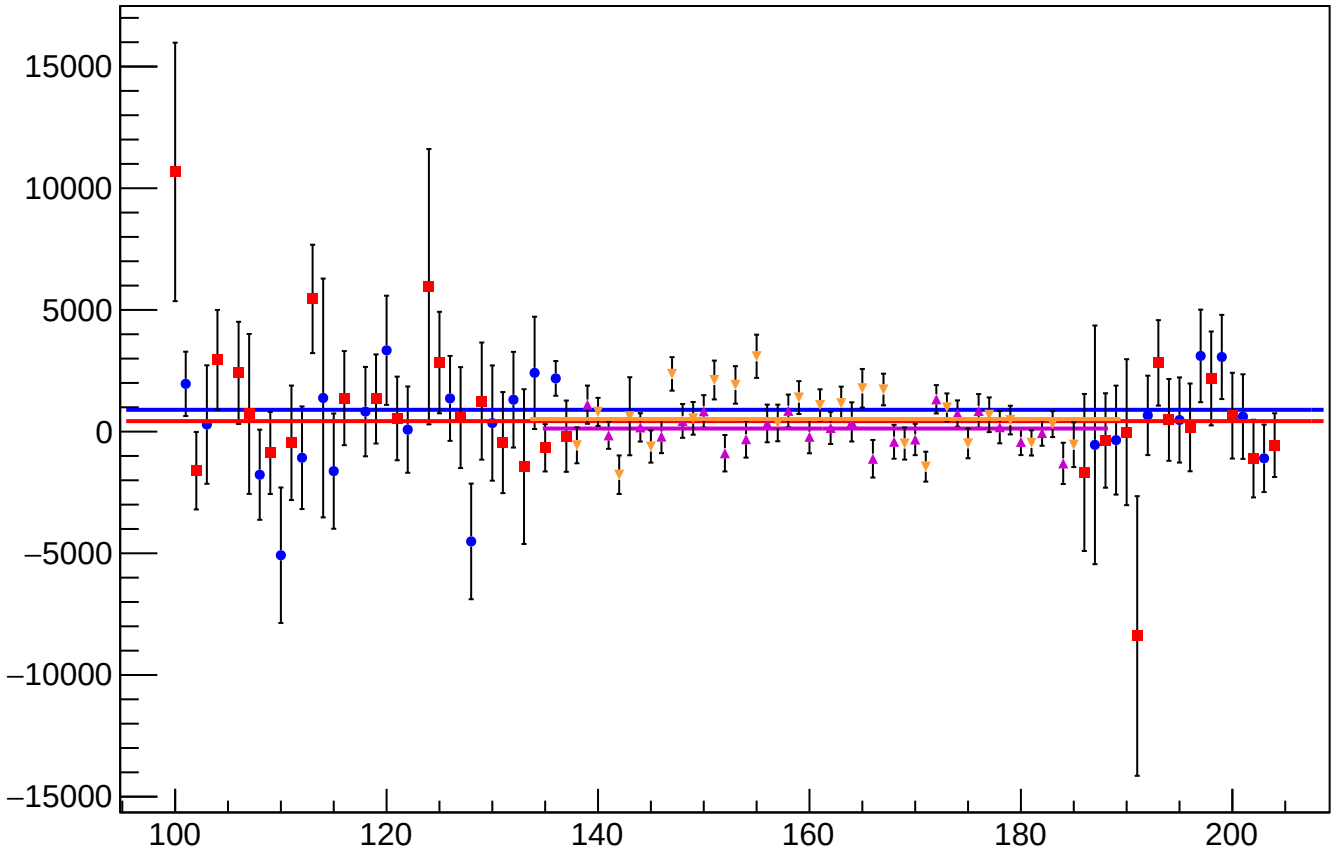
Right Out: 1278.778+/-0.235 χ^2/NDF: 477563.4/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.680+/-0.156 χ^2/NDF: 730355.5/48

All: 1252.893+/-0.110 χ^2/NDF: 1268177.4/10

- sign 1253.099+/-0.154 χ^2/NDF: 537818.2/52



Right In: 895.941+/-355.238 χ^2/NDF: 25.4/23

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

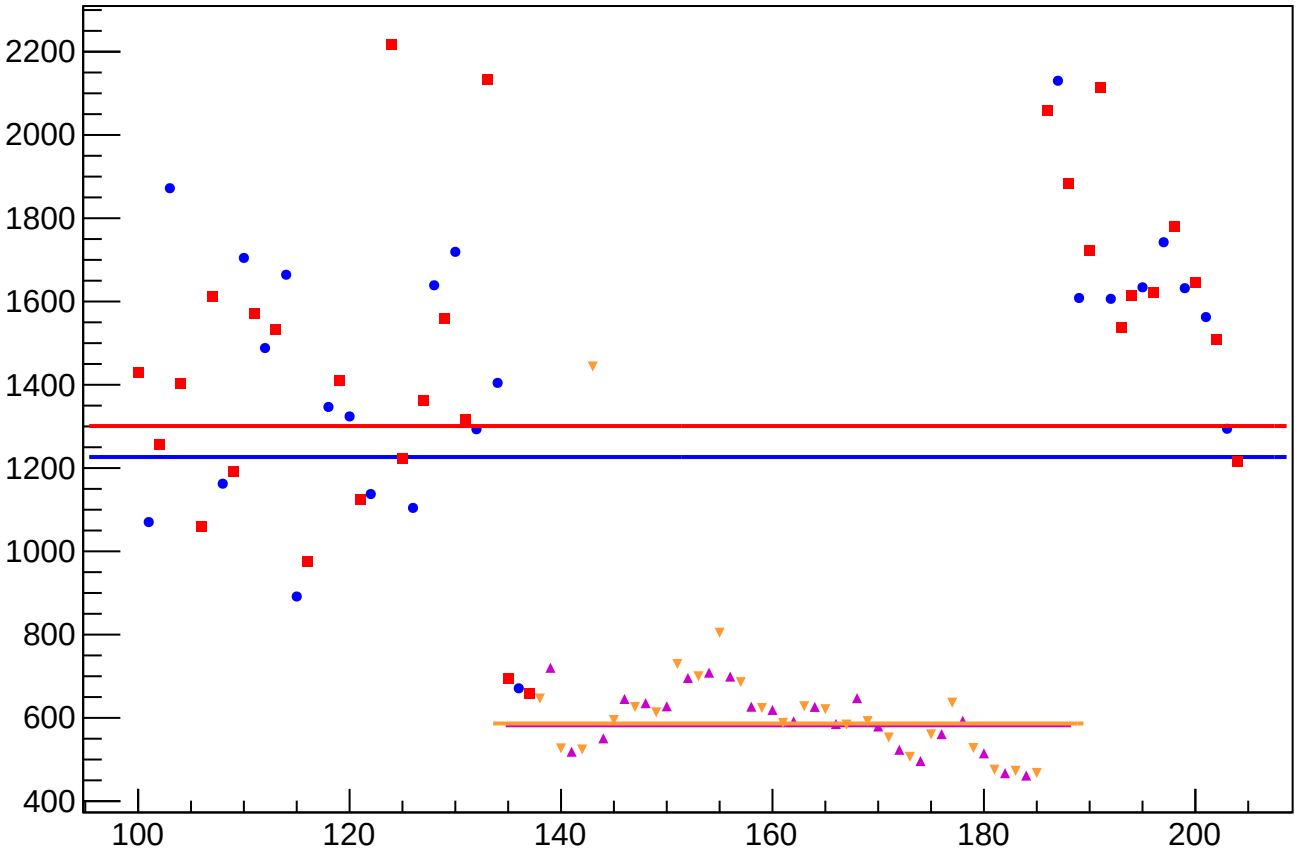
Right Out: 430.945+/-349.146 χ^2/NDF: 25.7/29

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 565.119+/-126.804 χ^2/NDF: 93.4/48

All: 367.684+/-89.996 χ^2/NDF: 146.2/101

- sign 167.300+/-127.748 χ^2/NDF: 47.9/52



Right In: 1226.505+/-0.251 χ^2/NDF: 2399015.2/23

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1300.918+/-0.247 χ^2/NDF: 2357253.6/29

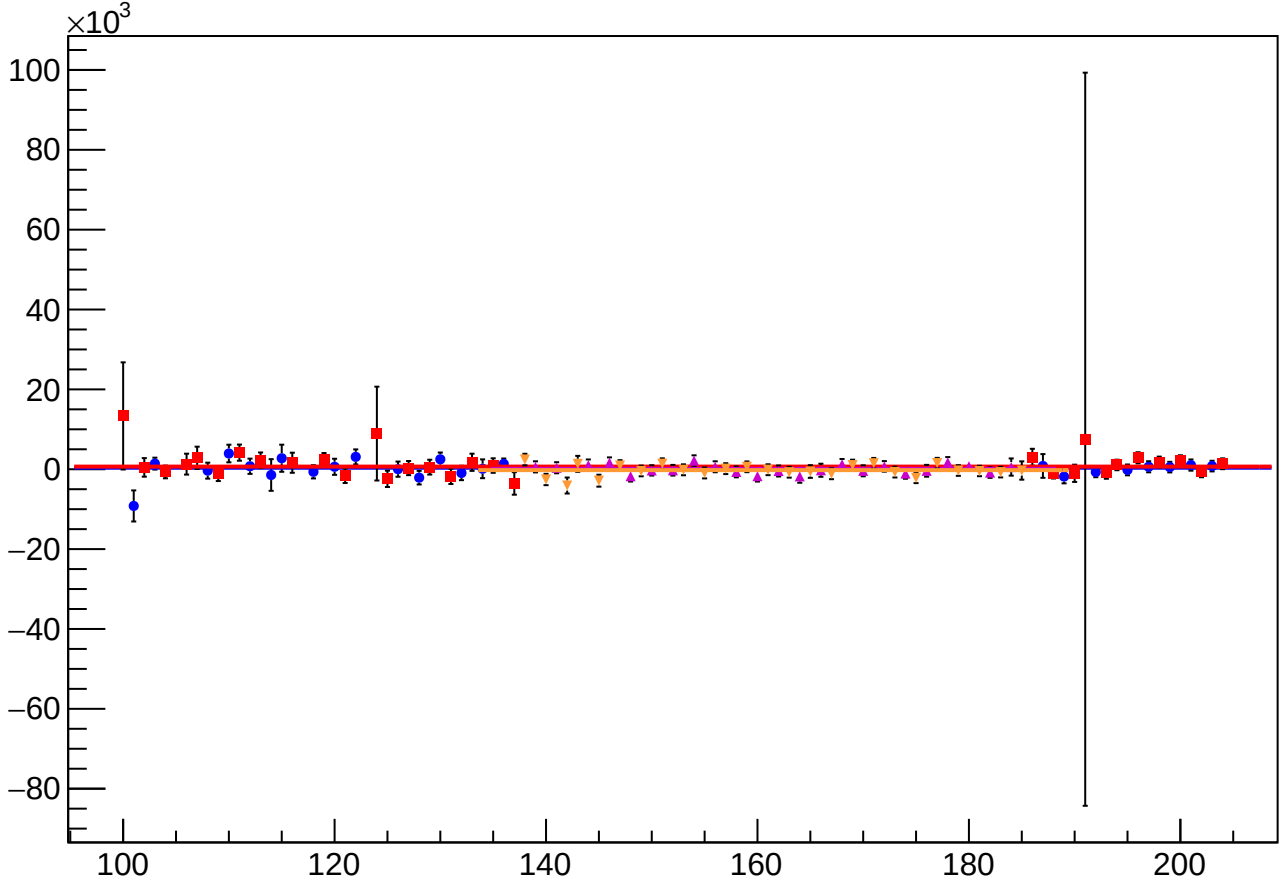
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 668.102+/-0.090 χ^2/NDF: 9265286.7/48

All: 673.216+/-0.064 χ^2/NDF: 19528889.2/10

- sign 678.407+/-0.090 χ^2/NDF: 10257047.3/52

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 381.082+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 662.242+/-332.046 χ^2/NDF: 27.3/29

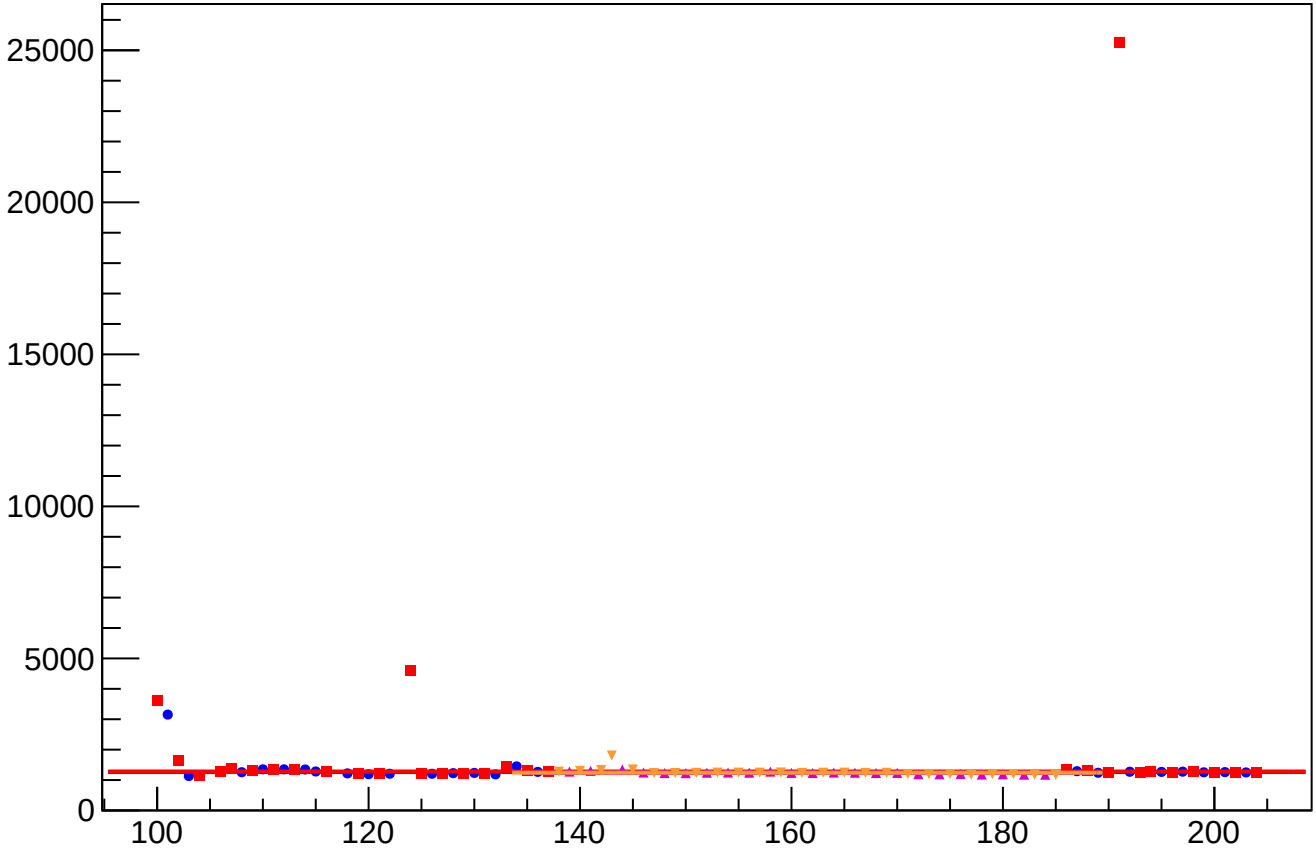
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

\+ sign 15.335+/-220.659 χ^2/NDF: 45.9/48

All: 178.519+/-154.958 χ^2/NDF: 90.6/101

\- sign 337.296+/-217.658 χ^2/NDF: 43.7/52

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1267.948+/-0.249 χ^2/NDF: 520875.8/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

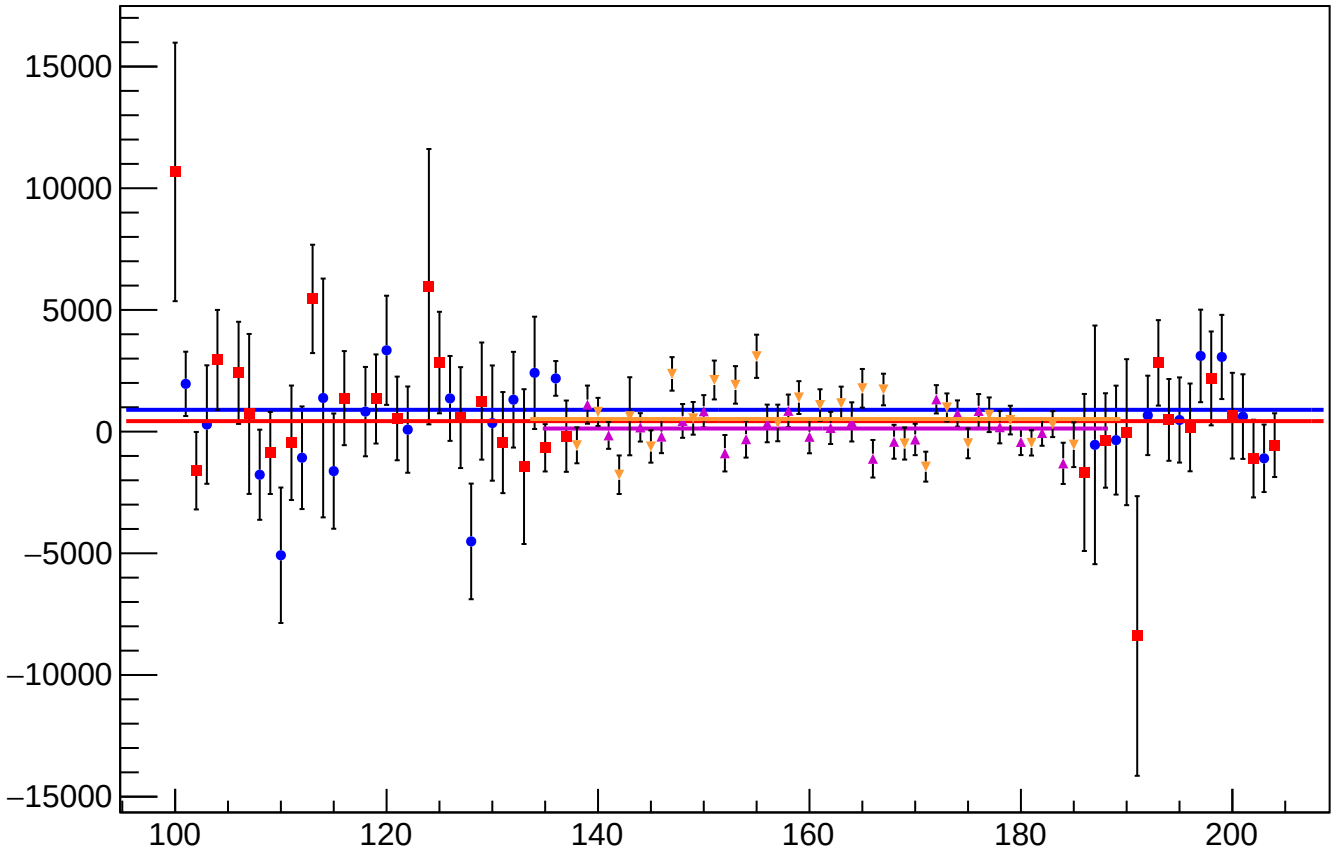
Right Out: 1278.778+/-0.235 χ^2/NDF: 477563.4/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.680+/-0.156 χ^2/NDF: 730355.5/48

All: 1252.893+/-0.110 χ^2/NDF: 1268177.4/10

- sign 1253.099+/-0.154 χ^2/NDF: 537818.2/52



Right In: 895.941+/-355.238 χ^2/NDF: 25.4/23

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

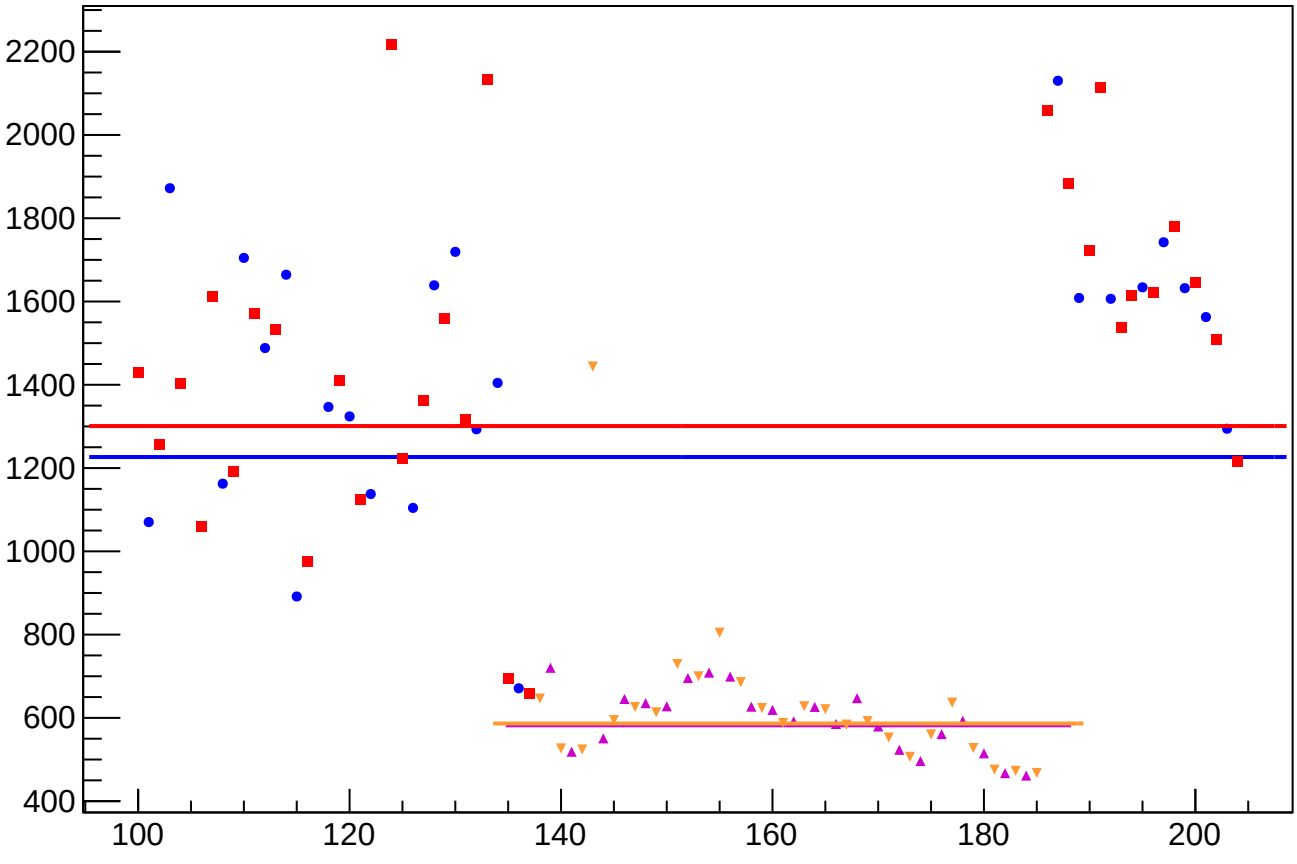
Right Out: 430.945+/-349.146 χ^2/NDF: 25.7/29

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 565.119+/-126.804 χ^2/NDF: 93.4/48

All: 367.684+/-89.996 χ^2/NDF: 146.2/101

- sign 167.300+/-127.748 χ^2/NDF: 47.9/52



Right In: 1226.505+/-0.251 χ^2/NDF: 2399015.2/23

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1300.918+/-0.247 χ^2/NDF: 2357253.6/29

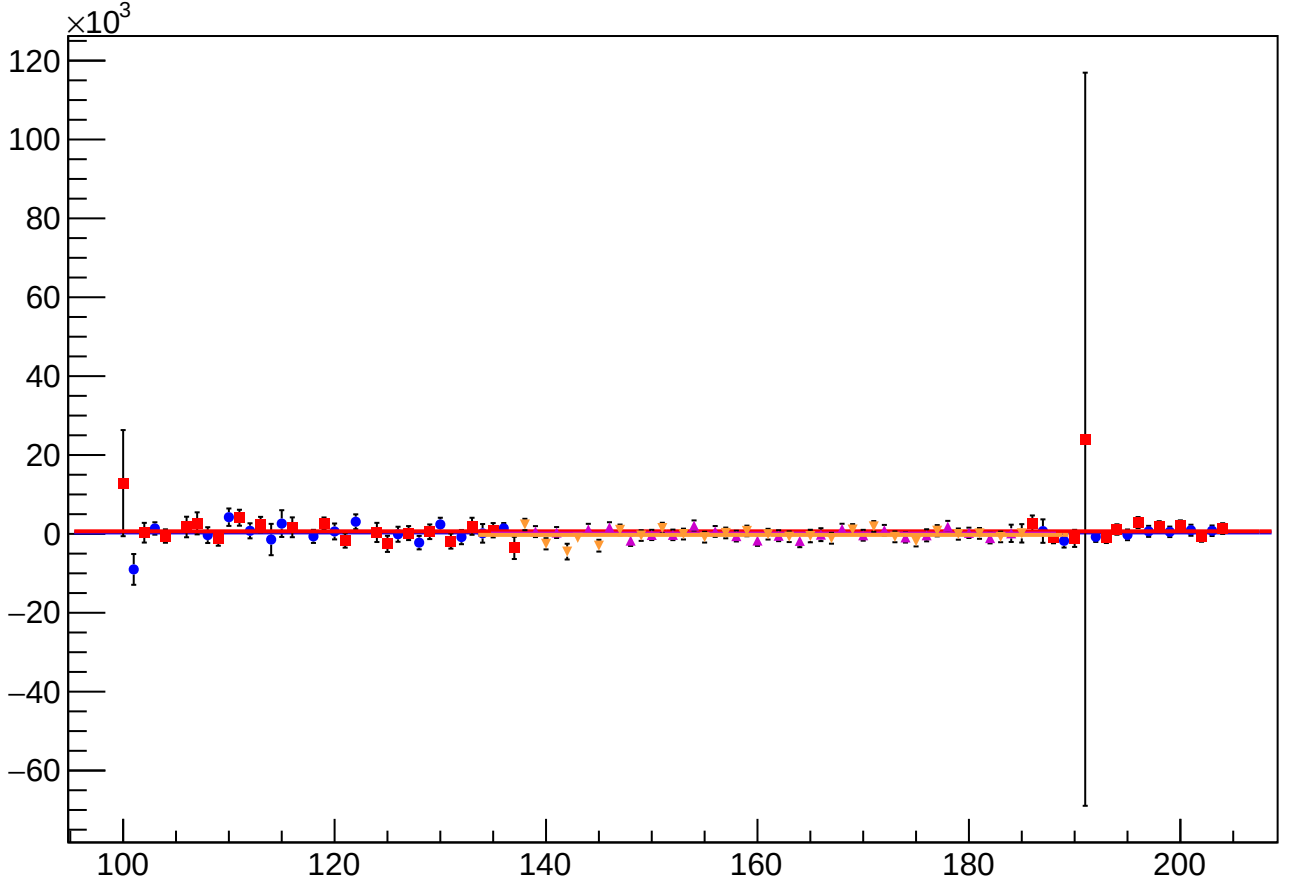
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 668.102+/-0.090 χ^2/NDF: 9265286.7/48

All: 673.216+/-0.064 χ^2/NDF: 19528889.2/10

- sign 678.407+/-0.090 χ^2/NDF: 10257047.3/52

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 368.671+/-353.757 χ^2/NDF: 20.2/23

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 652.324+/-330.942 χ^2/NDF: 26.8/29

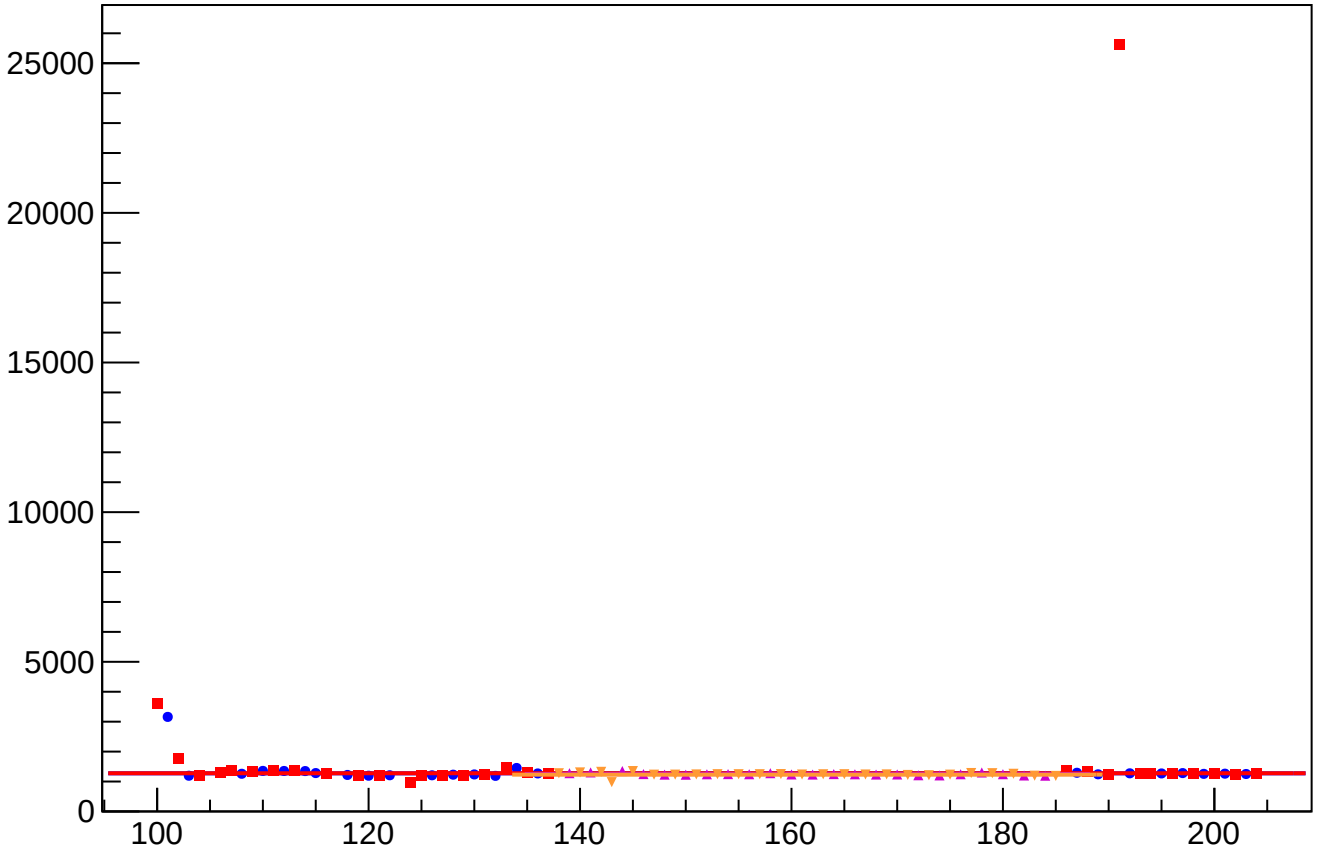
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -12.307+/-219.513 χ^2/NDF: 46.1/48

All: 158.015+/-154.940 χ^2/NDF: 89.8/101

- sign 327.118+/-218.726 χ^2/NDF: 42.5/52

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1273.420+/-0.250 χ^2/NDF: 509496.4/23

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

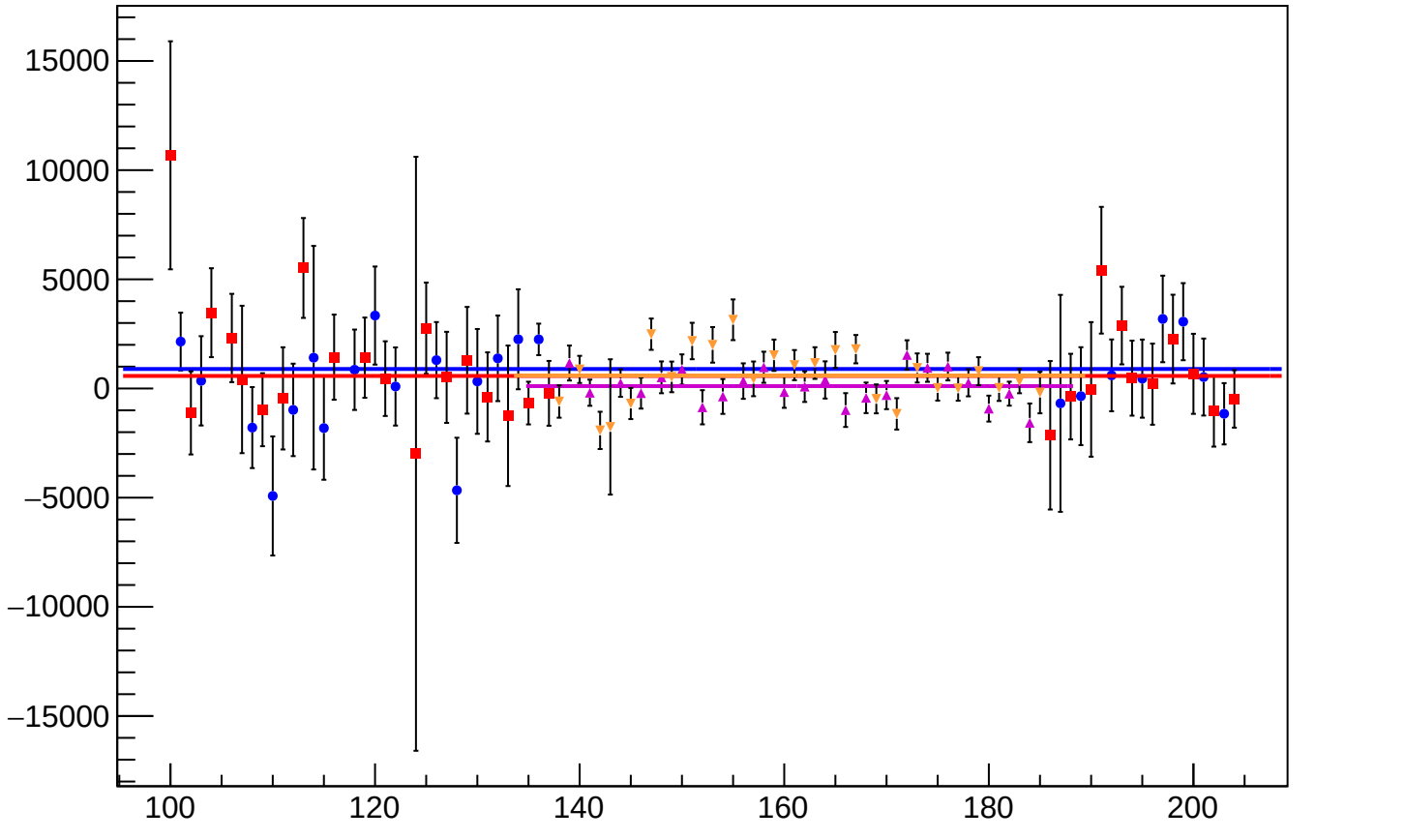
Right Out: 1276.606+/-0.234 χ^2/NDF: 370183.0/29

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1246.710+/-0.155 χ^2/NDF: 669644.7/48

All: 1253.567+/-0.110 χ^2/NDF: 1079599.7/10

- sign 1260.375+/-0.155 χ^2/NDF: 406066.3/52



Right In: 893.134+/-356.751 χ^2/NDF: 26.0/23

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 574.936+/-353.530 χ^2/NDF: 24.9/29

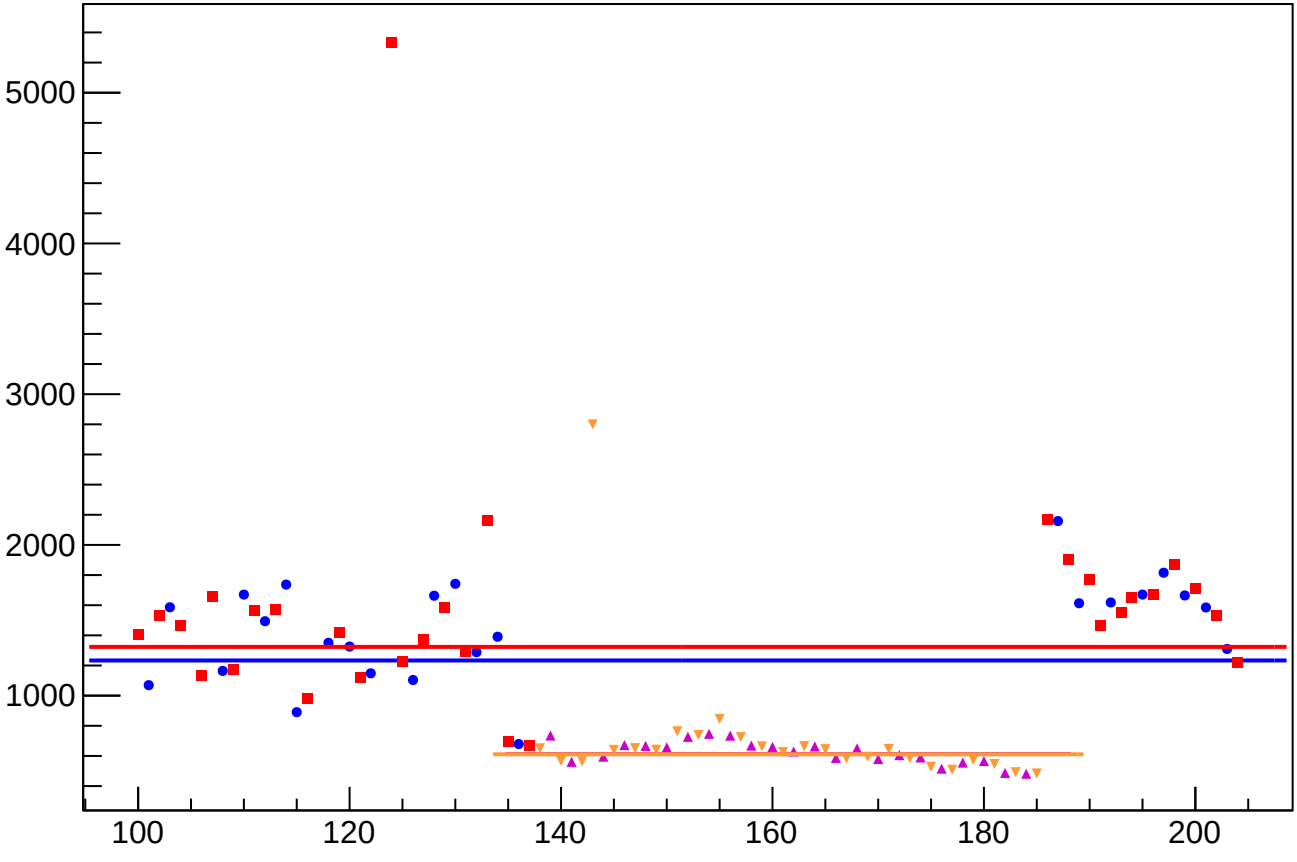
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 635.839+/-132.037 χ^2/NDF: 83.9/48

All: 408.808+/-93.893 χ^2/NDF: 142.0/101

- sign 176.560+/-133.546 χ^2/NDF: 52.1/52

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1233.456+/-0.252 χ^2/NDF: 2342203.4/23

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

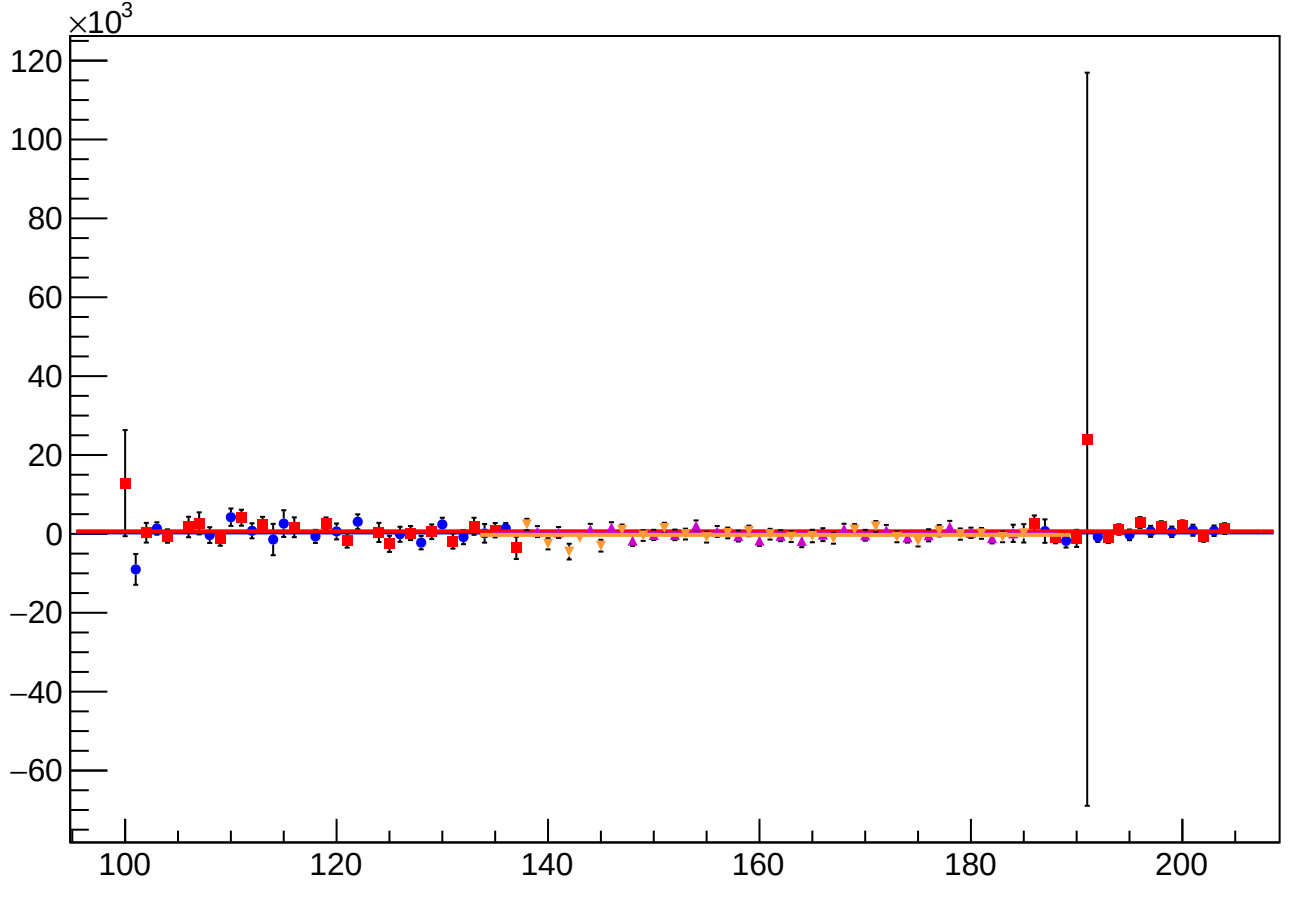
Right Out: 1323.525+/-0.250 χ^2/NDF: 2574408.4/29

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 696.340+/-0.093 χ^2/NDF: 9214641.2/48

All: 705.007+/-0.066 χ^2/NDF: 19252622.5/10

- sign 713.873+/-0.094 χ^2/NDF: 10020549.9/52



Right In: 368.673+/-353.757 χ^2/NDF: 20.2/23

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 652.325+/-330.942 χ^2/NDF: 26.8/29

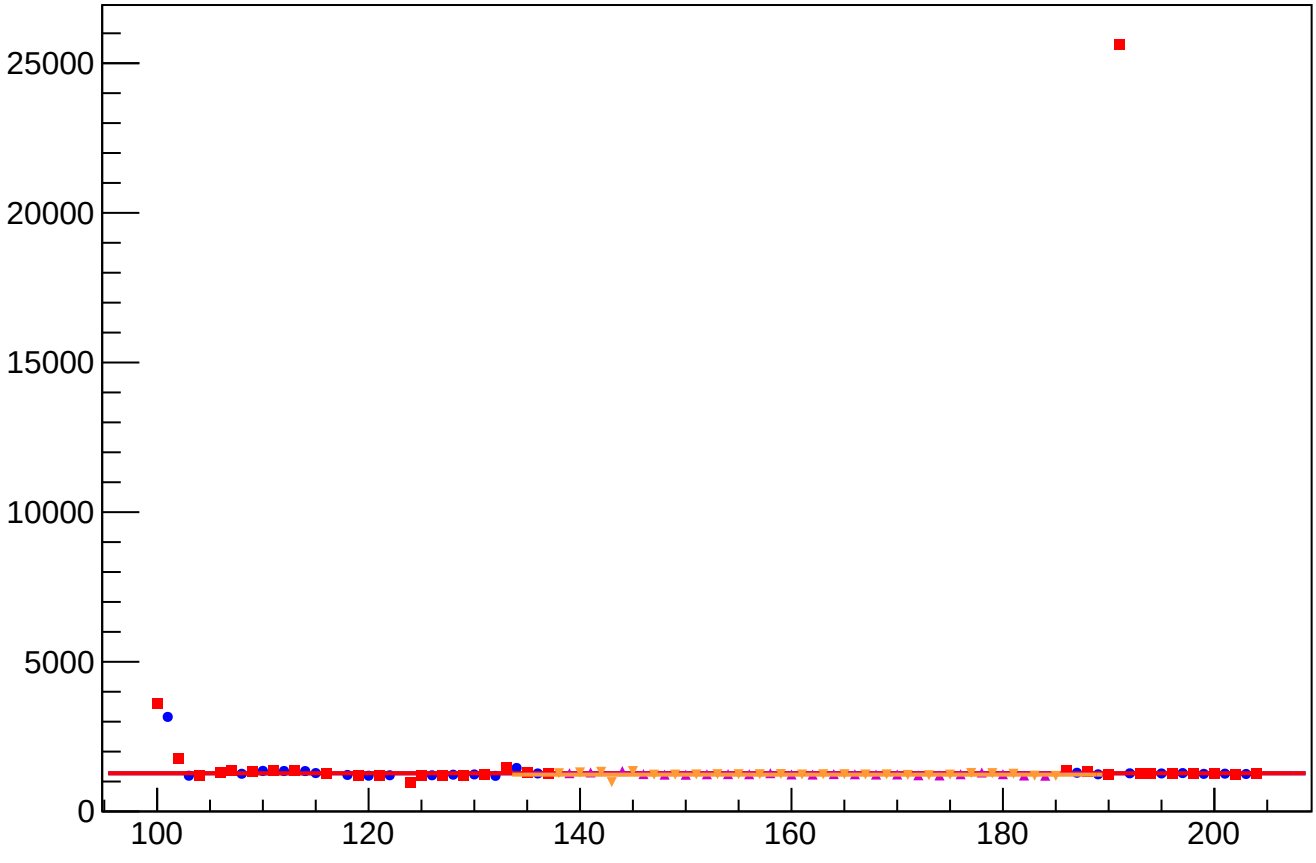
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -12.307+/-219.513 χ^2/NDF: 46.1/48

All: 158.015+/-154.940 χ^2/NDF: 89.8/101

- sign 327.118+/-218.726 χ^2/NDF: 42.5/52

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1273.420+/-0.250 χ^2/NDF: 509496.5/23

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

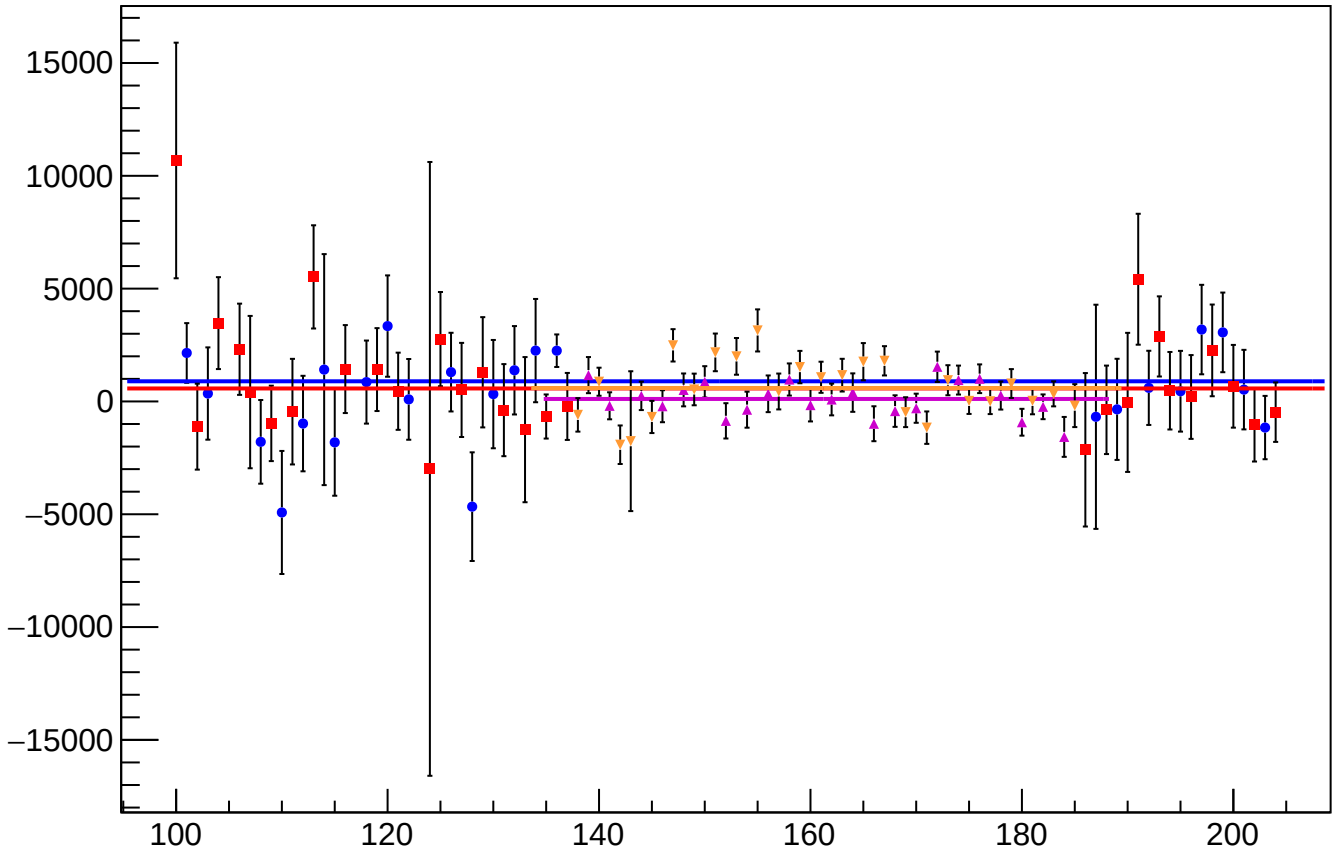
Right Out: 1276.606+/-0.234 χ^2/NDF: 370182.9/29

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1246.710+/-0.155 χ^2/NDF: 669643.9/48

All: 1253.567+/-0.110 χ^2/NDF: 1079598.7/10

- sign 1260.374+/-0.155 χ^2/NDF: 406066.1/52



Right In: 893.130+/-356.751 χ^2/NDF: 26.0/23

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

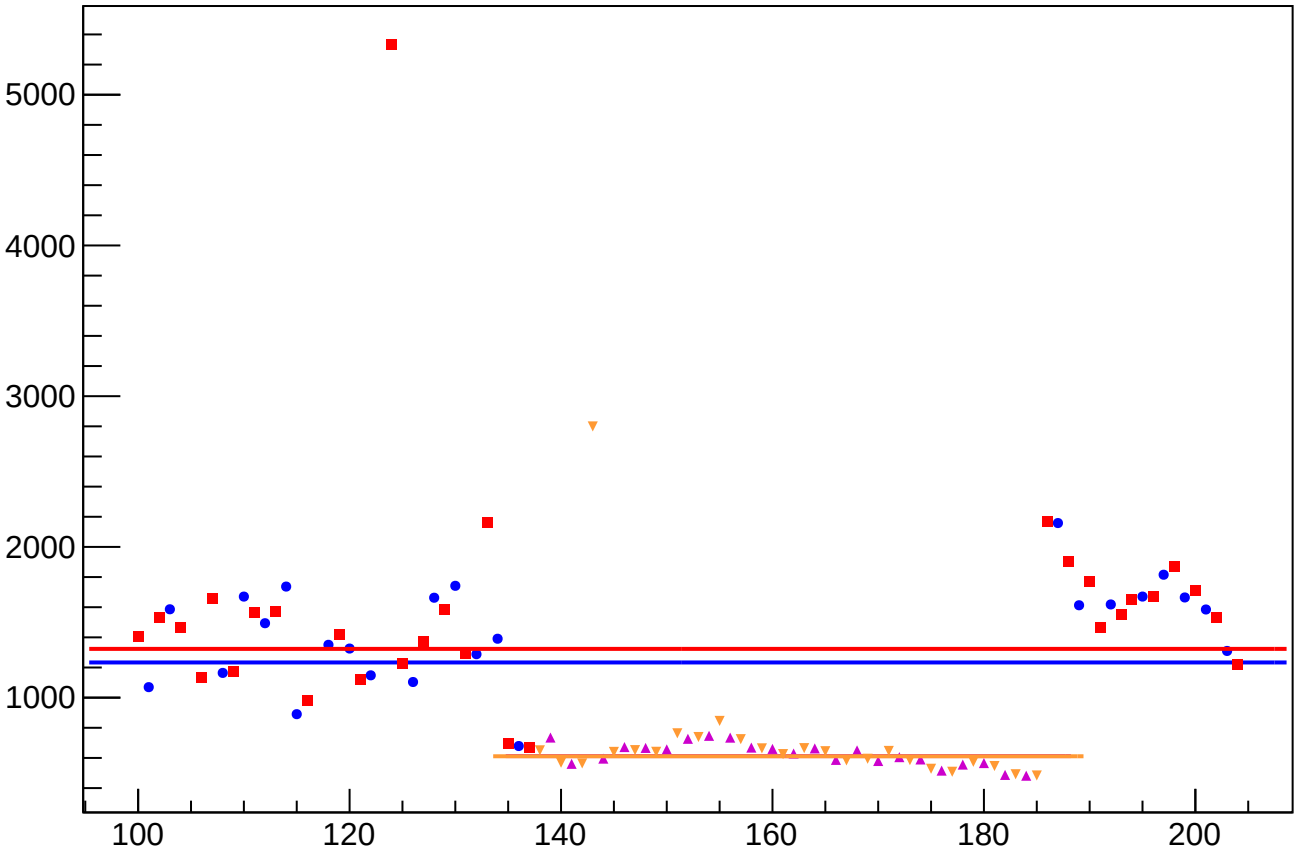
Right Out: 574.944+/-353.531 χ^2/NDF: 24.9/29

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

\+ sign 635.838+/-132.037 χ^2/NDF: 83.9/48

All: 408.807+/-93.893 χ^2/NDF: 142.0/101

\- sign 176.560+/-133.546 χ^2/NDF: 52.1/52



Right In: 1233.461+/-0.252 χ^2/NDF: 2342123.7/23

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1323.530+/-0.250 χ^2/NDF: 2574331.0/29

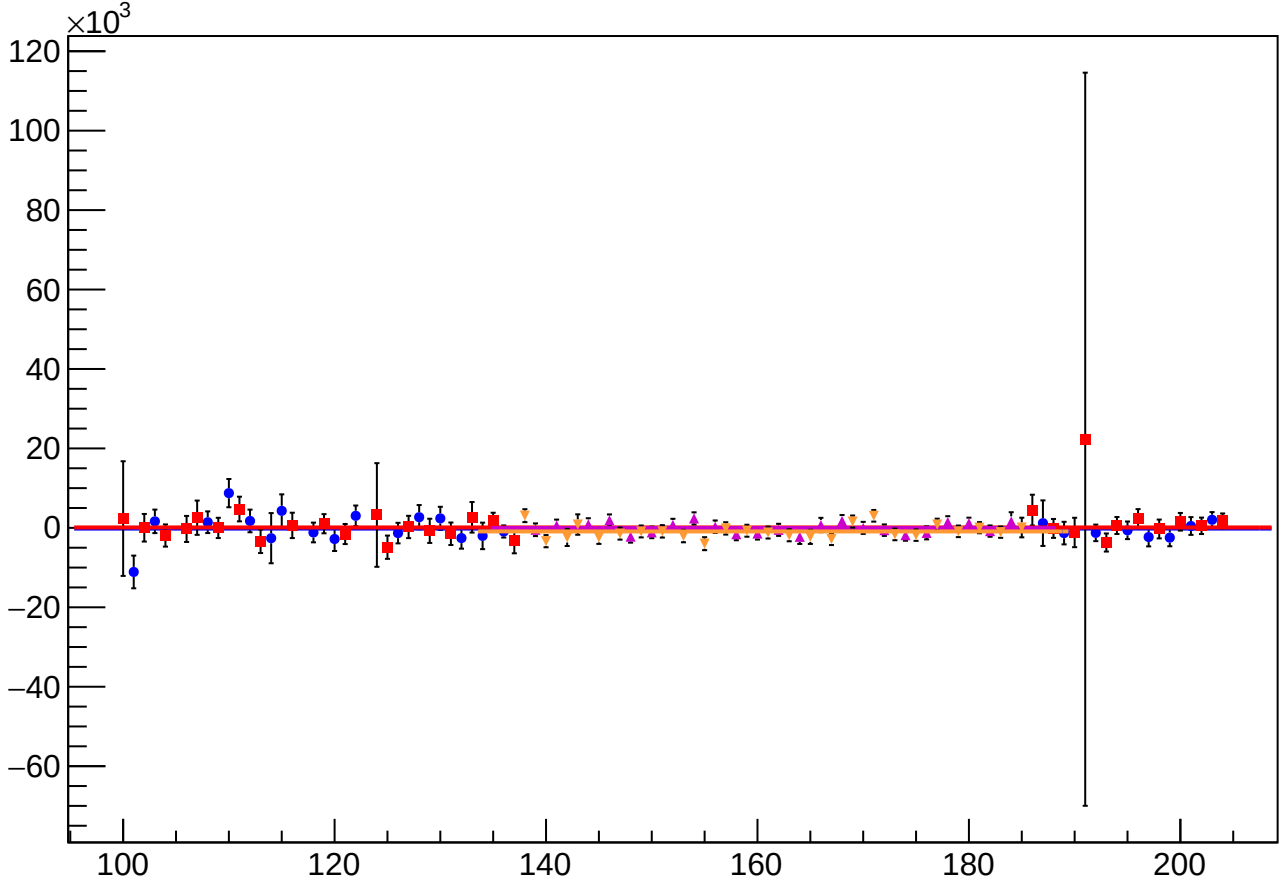
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 696.340+/-0.093 χ^2/NDF: 9214628.5/48

All: 705.007+/-0.066 χ^2/NDF: 19252620.9/10

- sign 713.872+/-0.094 χ^2/NDF: 10020562.0/52

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -180.572+/-535.214 χ^2/NDF: 25.3/23

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 103.218+/-509.365 χ^2/NDF: 17.2/29

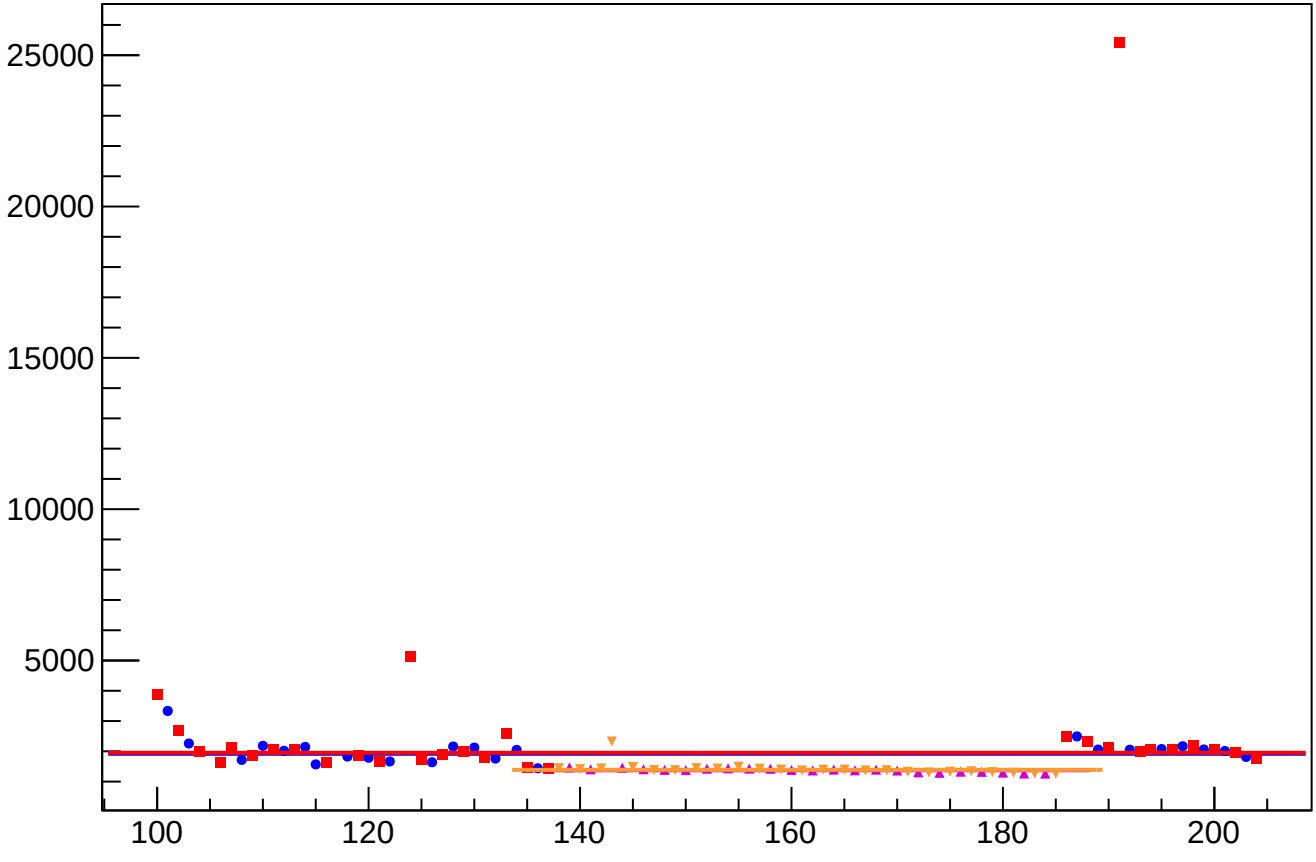
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -713.568+/-272.398 χ^2/NDF: 56.4/48

All: -358.229+/-192.306 χ^2/NDF: 94.9/101

- sign -5.156+/-271.528 χ^2/NDF: 35.1/52

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1918.364+/-0.378 χ^2/NDF: 665286.0/23

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

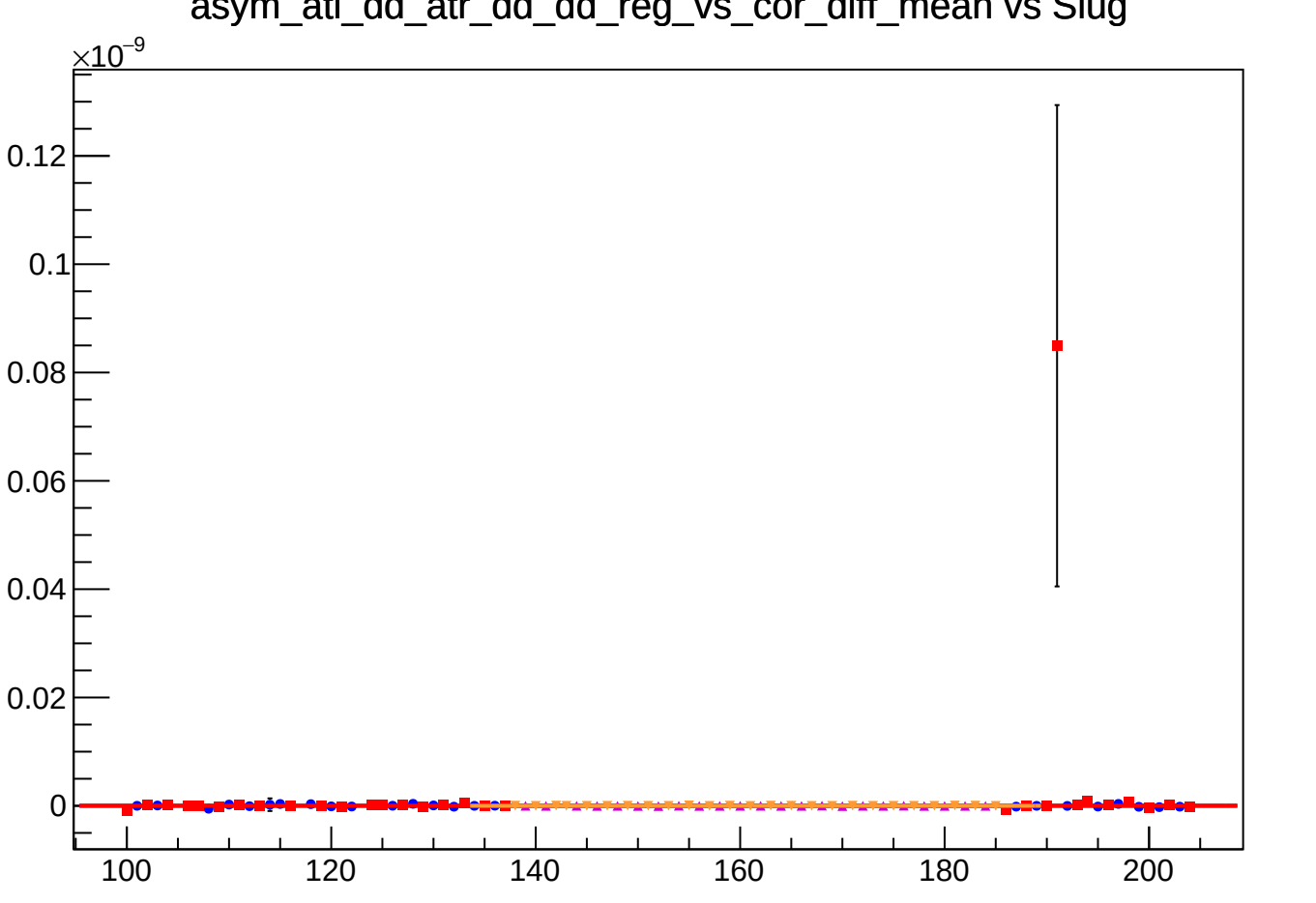
Right Out: 1951.348+/-0.360 χ^2/NDF: 836306.3/29

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1524.525+/-0.193 χ^2/NDF: 2466631.8/48

All: 1531.035+/-0.136 χ^2/NDF: 5214024.9/10

- sign 1537.503+/-0.192 χ^2/NDF: 2745116.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

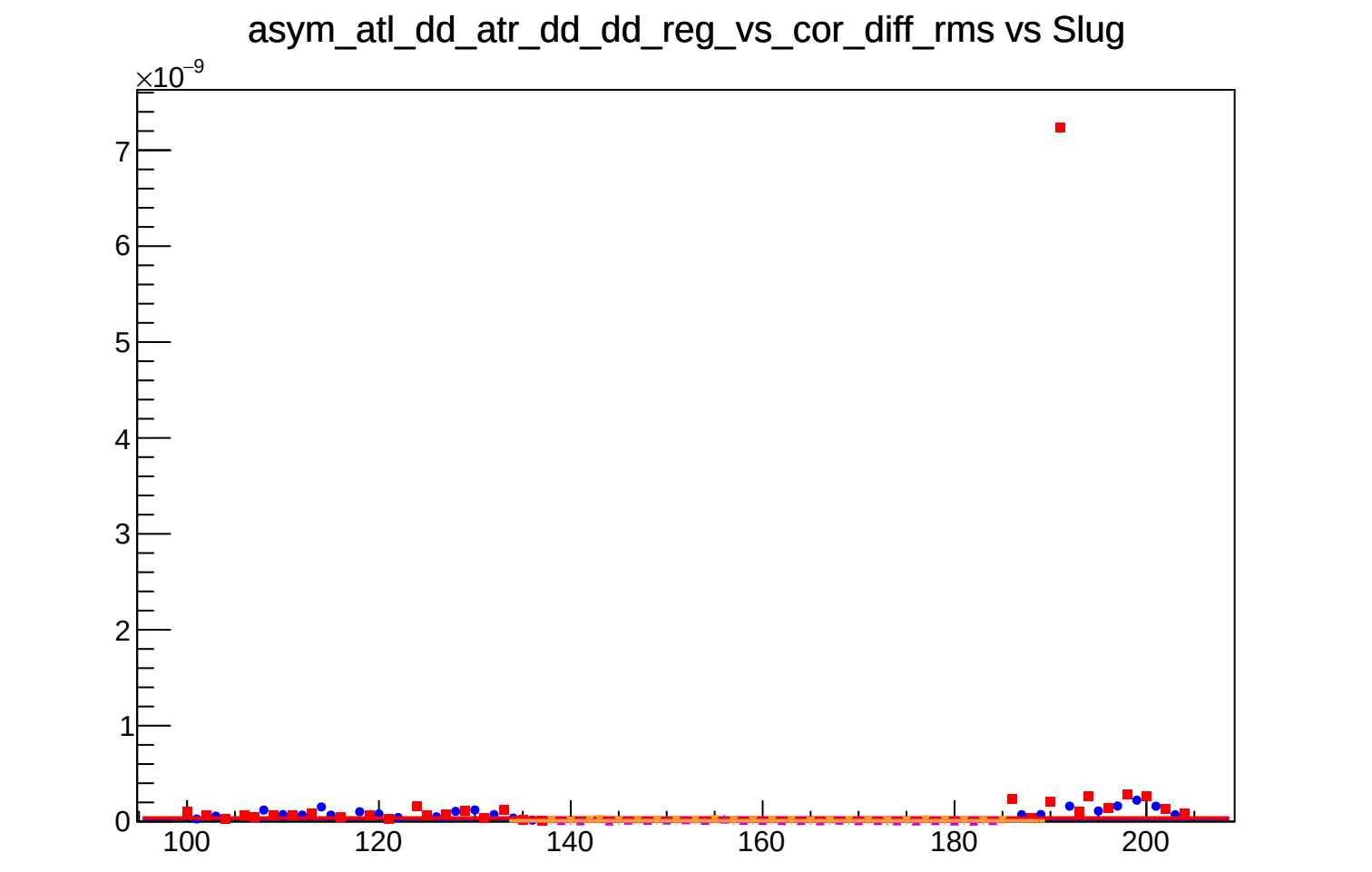
Right Out: 0.000+/-0.000 χ^2/NDF: 45.8/29

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.7/48

All: 0.000+/-0.000 χ^2/NDF: 107.6/101

- sign -0.000+/-0.000 χ^2/NDF: 60.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 5396697.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6192051.8/29

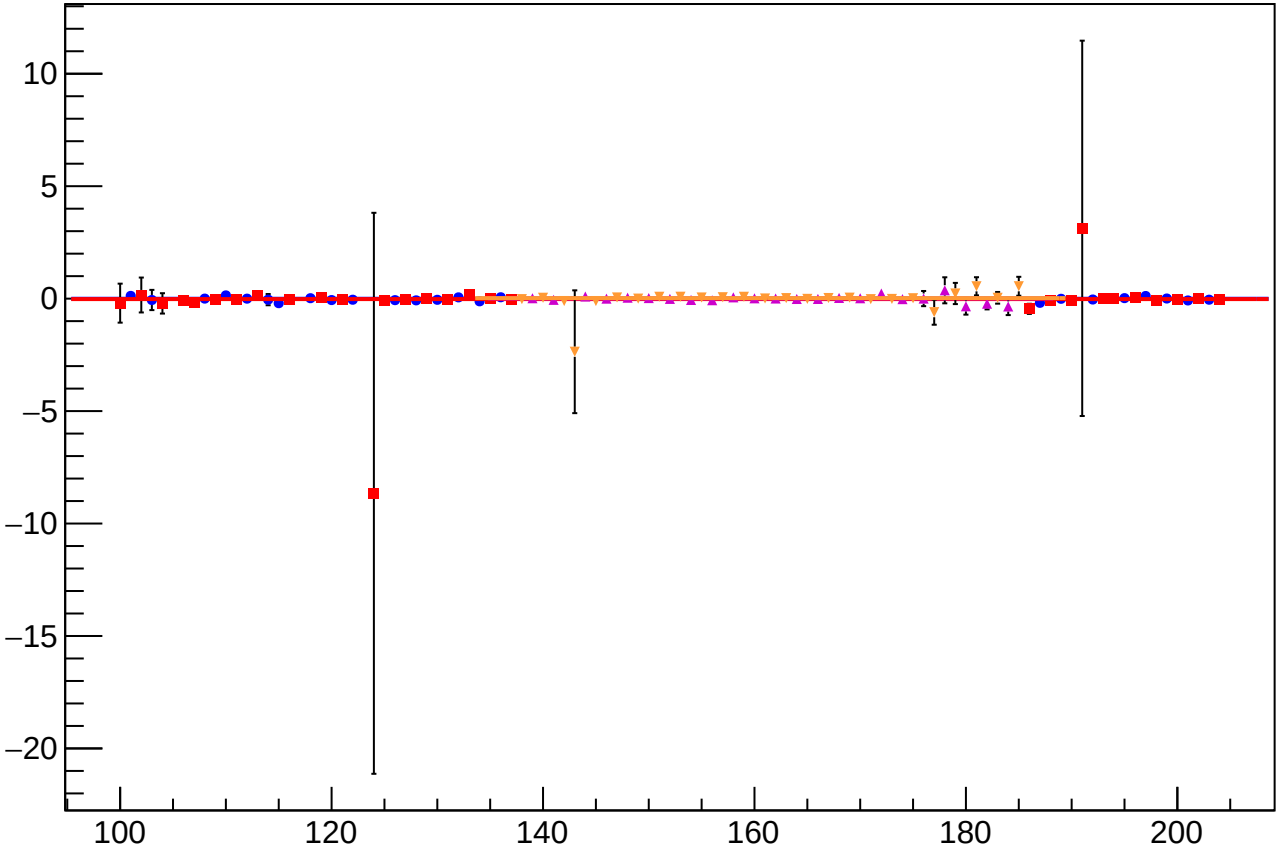
Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10512717.4/48

All: 0.000+/-0.000 χ^2/NDF: 21569508.3/101

- sign 0.000+/-0.000 χ^2/NDF: 10771844.0/52

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.020+/-0.012 χ^2/NDF: 22.0/29

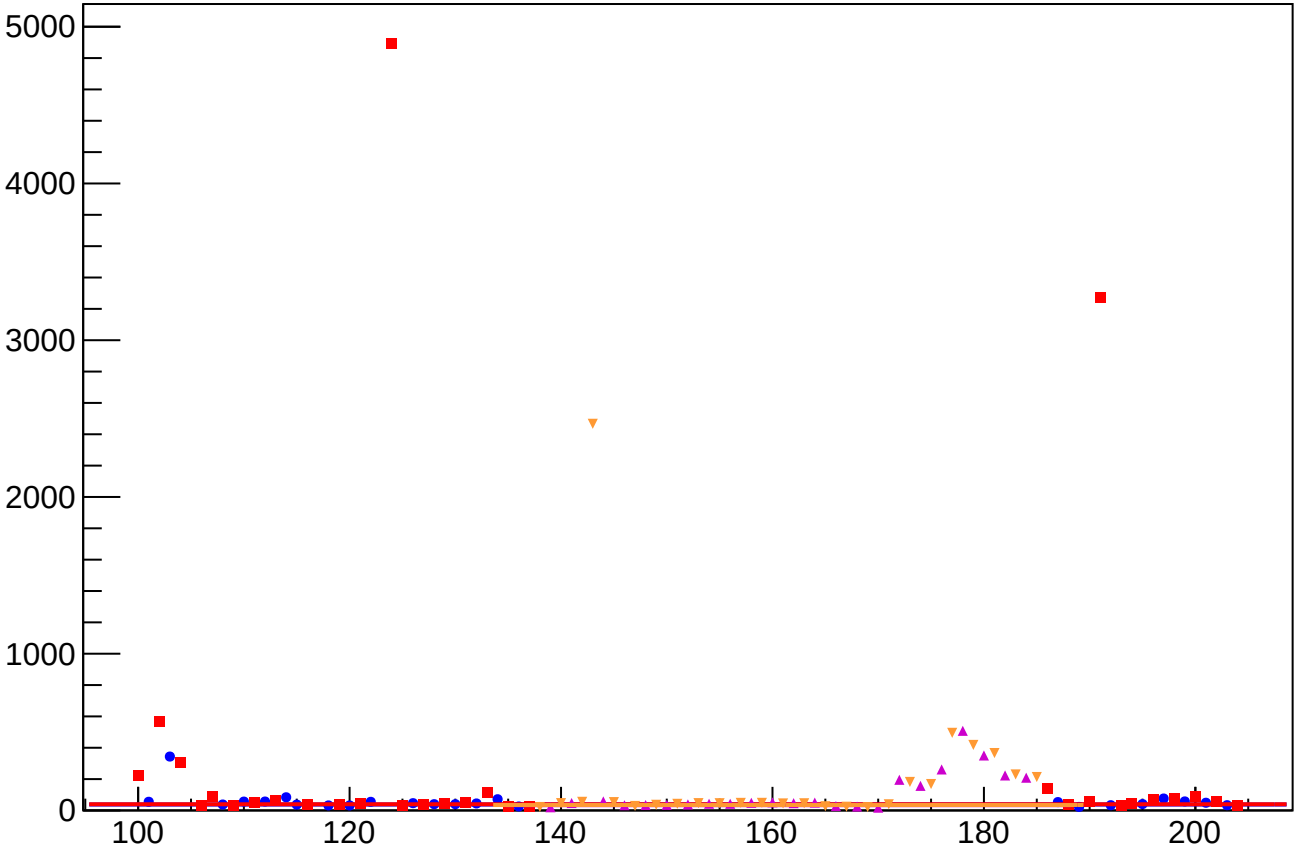
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.008 χ^2/NDF: 54.1/48

All: 0.004+/-0.005 χ^2/NDF: 96.0/101

- sign -0.002+/-0.008 χ^2/NDF: 40.4/52

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.724+/-0.008 χ^2/NDF: 2984504.0/23

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

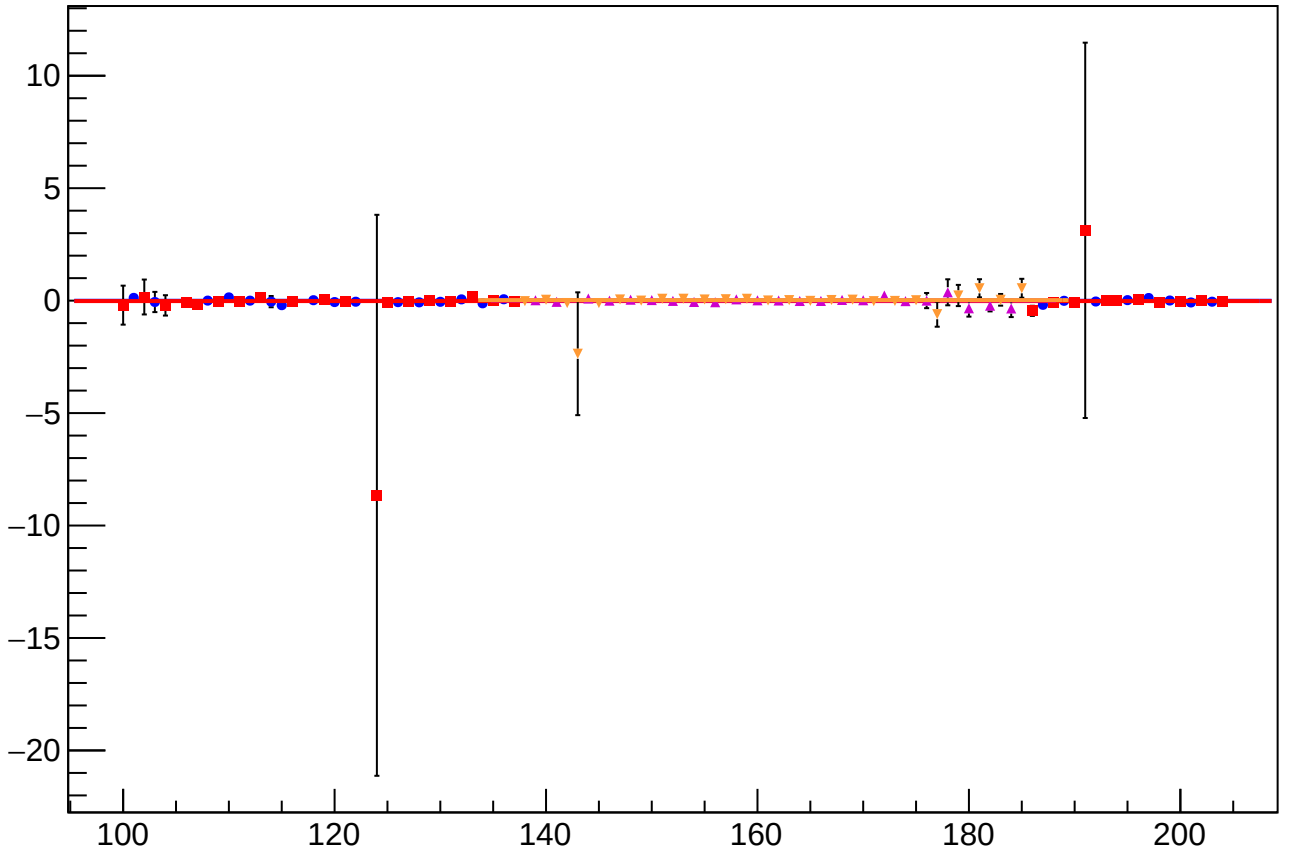
Right Out: 39.592+/-0.009 χ^2/NDF: 5591023.5/29

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.928+/-0.005 χ^2/NDF: 14464584.5/48

All: 35.966+/-0.004 χ^2/NDF: 30416012.0/101

- sign 36.004+/-0.005 χ^2/NDF: 15951330.7/52



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

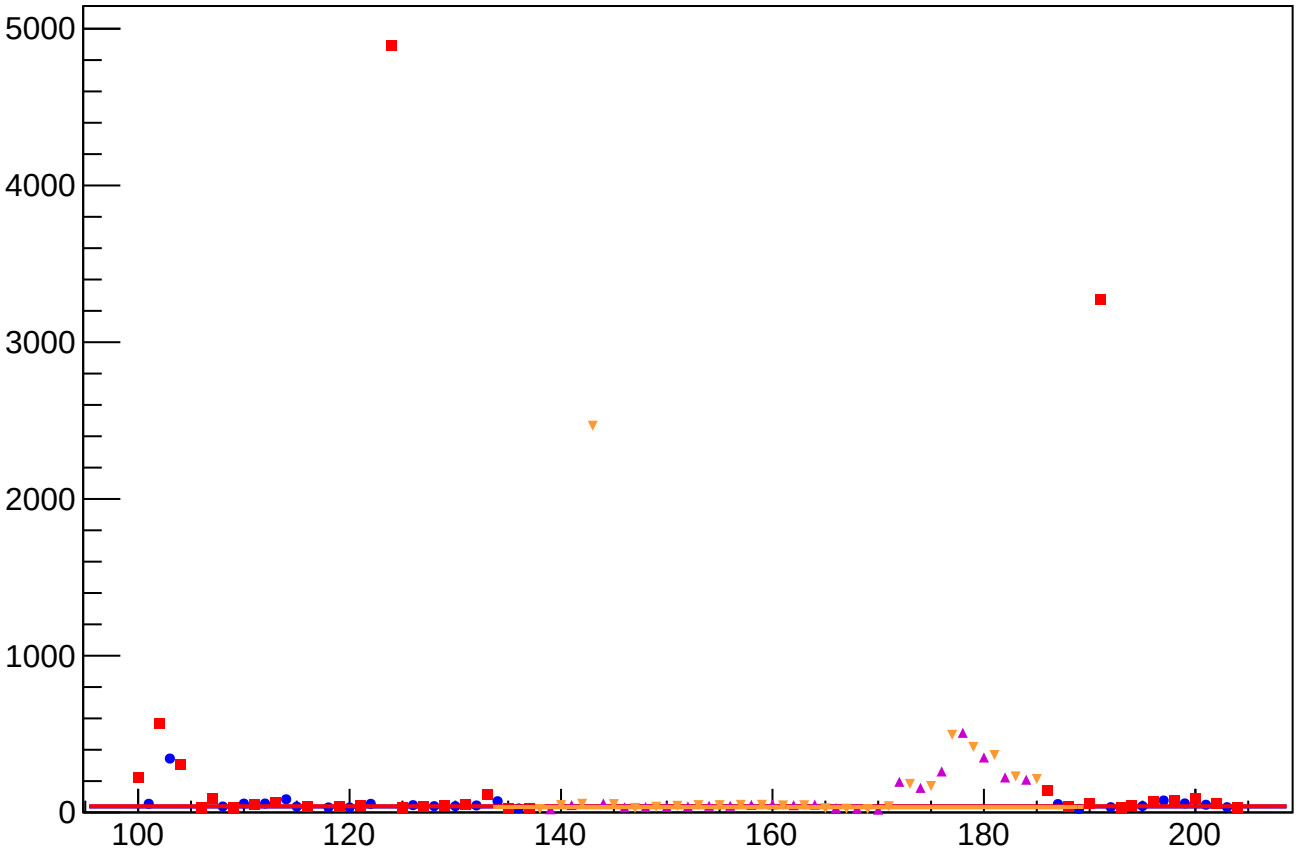
Right Out: -0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.008 χ^2/NDF: 54.1/48

All: 0.004+/-0.005 χ^2/NDF: 96.0/101

- sign -0.002+/-0.008 χ^2/NDF: 40.4/52



Right In: 37.724+/-0.008 χ^2/NDF: 2984504.0/23

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

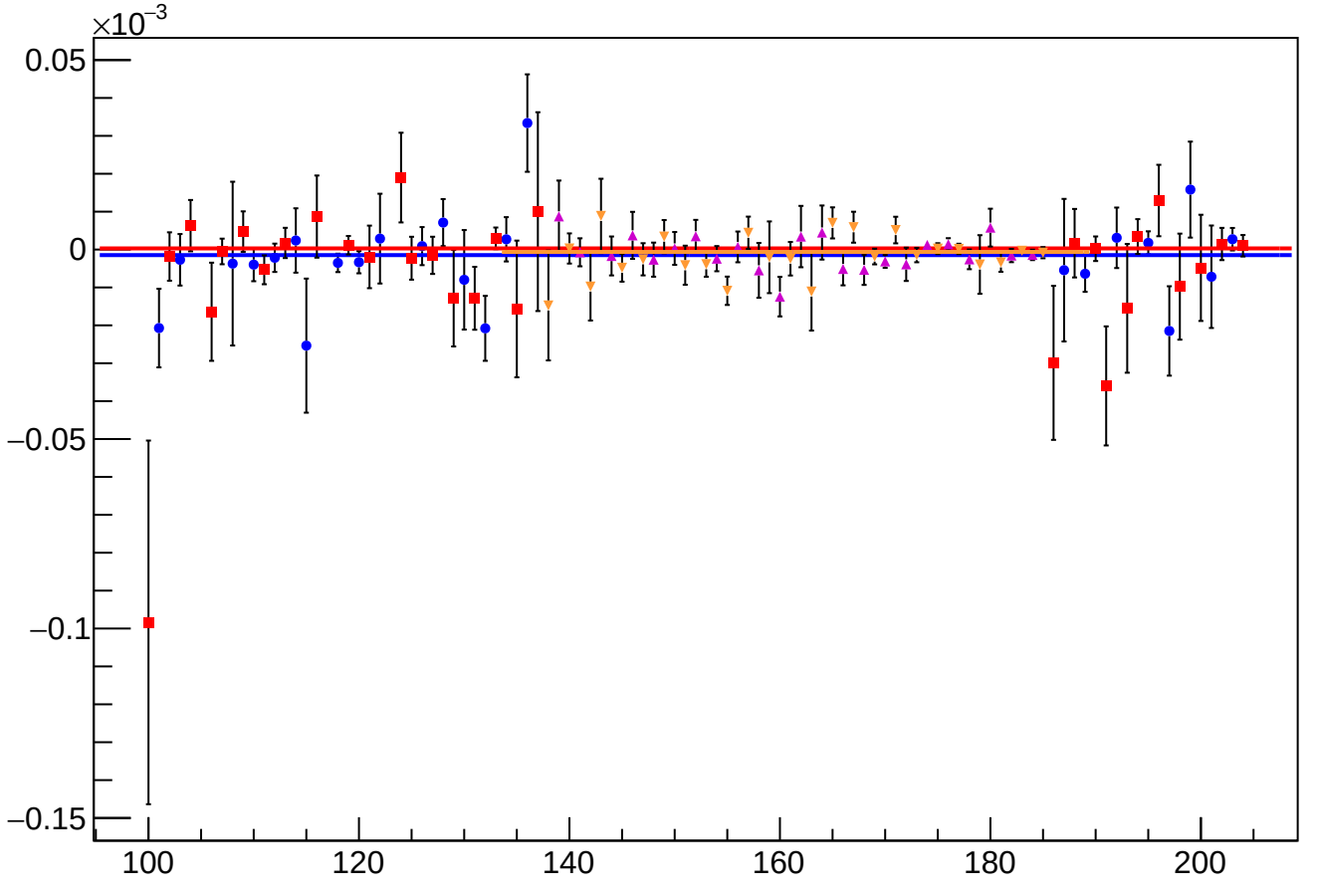
Right Out: 39.592+/-0.009 χ^2/NDF: 5591023.5/29

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.928+/-0.005 χ^2/NDF: 14464584.5/48

All: 35.966+/-0.004 χ^2/NDF: 30416012.0/101

- sign 36.004+/-0.005 χ^2/NDF: 15951330.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

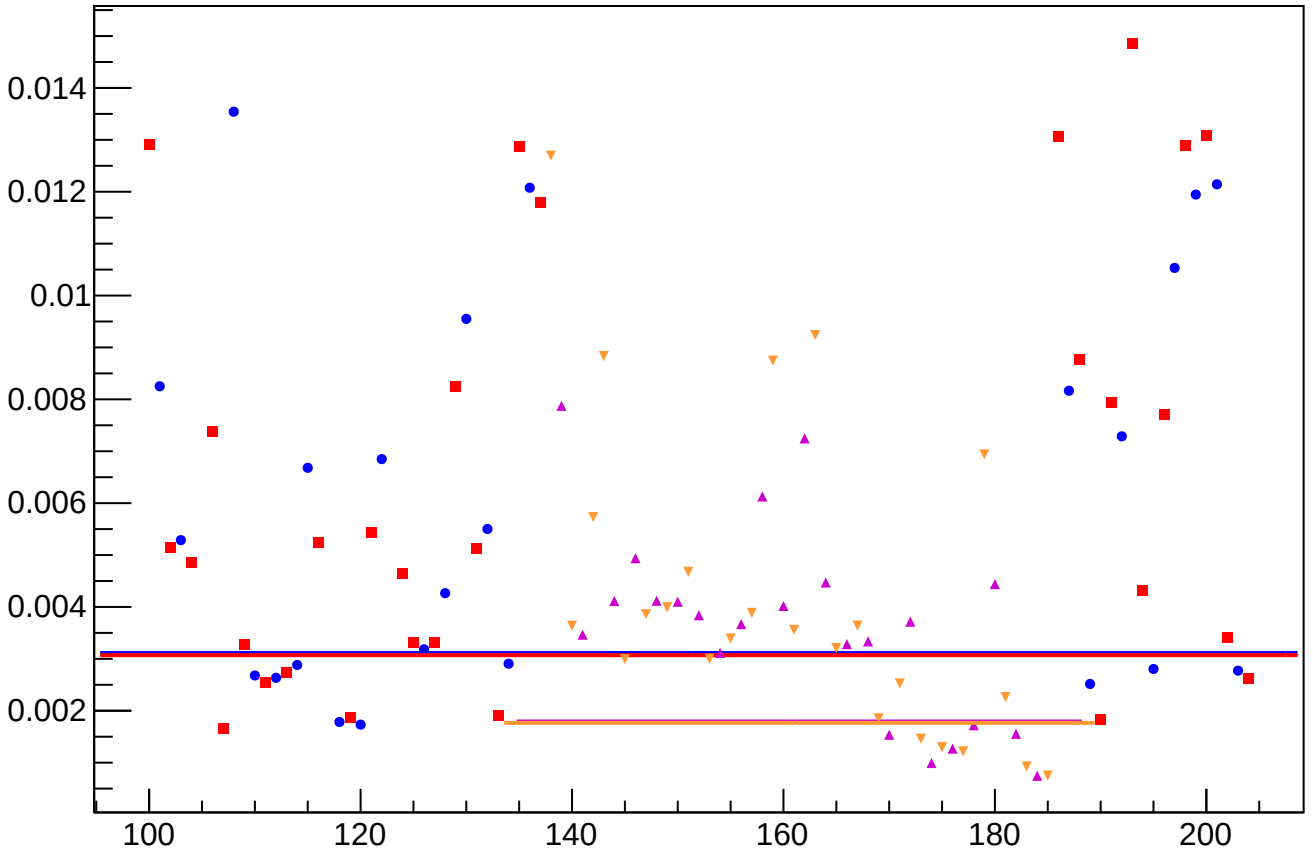
Right Out: 0.000+/-0.000 χ^2/NDF: 30.4/29

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.8/48

All: -0.000+/-0.000 χ^2/NDF: 114.2/101

- sign -0.000+/-0.000 χ^2/NDF: 53.0/52



Right In: 0.003+/-0.000 χ^2/NDF: 7645539.3/23

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

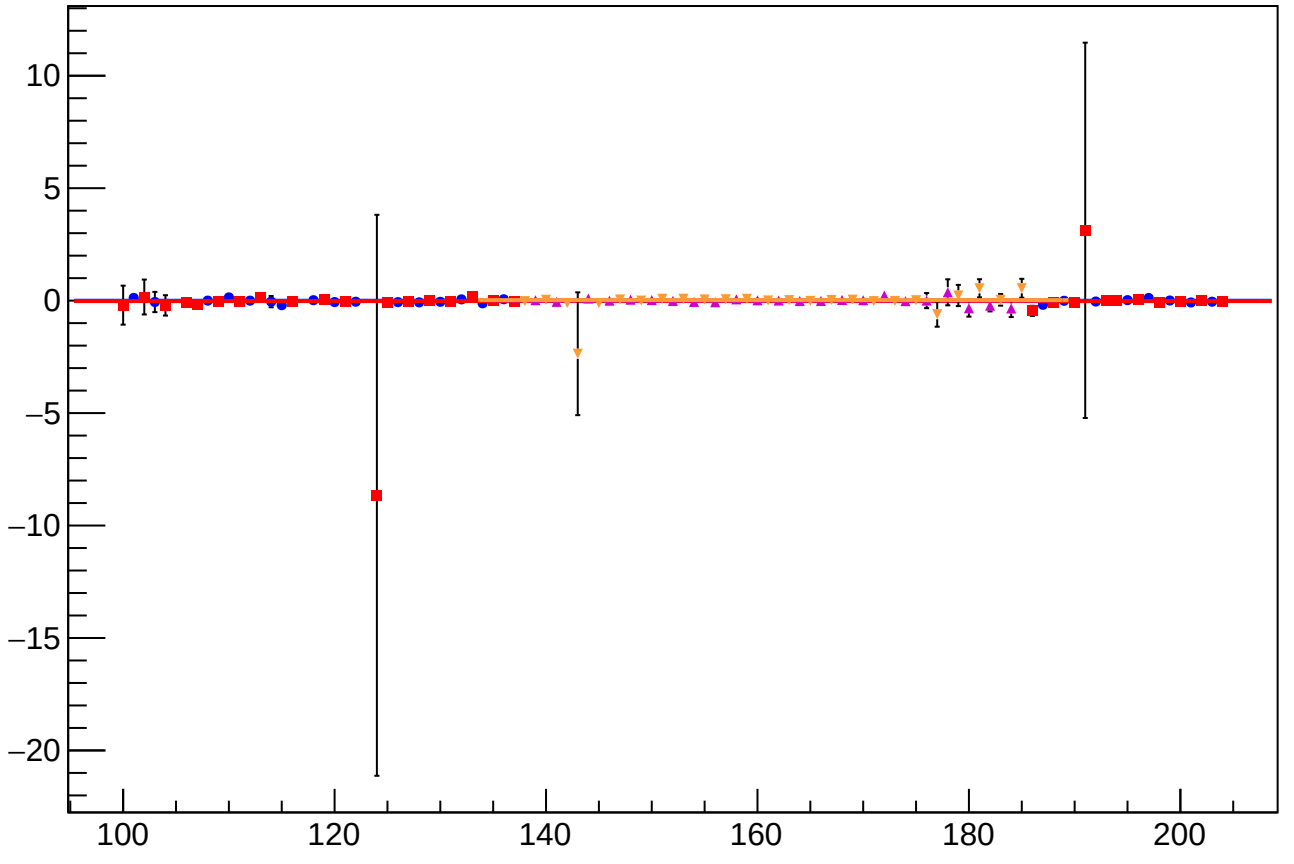
Right Out: 0.003+/-0.000 χ^2/NDF: 8865729.6/29

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 23185159.5/48

All: 0.002+/-0.000 χ^2/NDF: 45542196.8/101

- sign 0.002+/-0.000 χ^2/NDF: 22324064.3/52



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

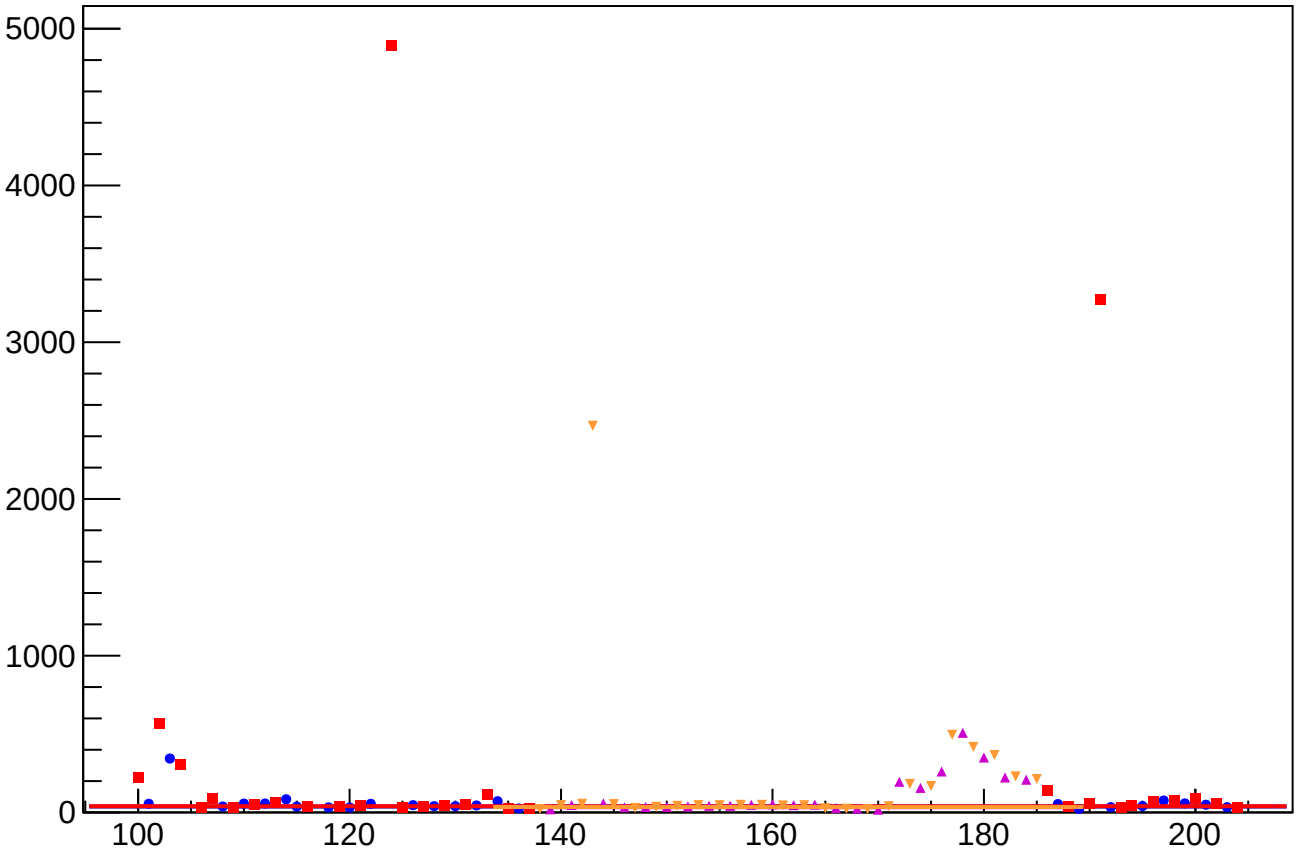
Right Out: -0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.008 χ^2/NDF: 54.1/48

All: 0.004+/-0.005 χ^2/NDF: 96.0/101

- sign -0.002+/-0.008 χ^2/NDF: 40.4/52



Right In: 37.725+/-0.008 χ^2/NDF: 2983710.2/23

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

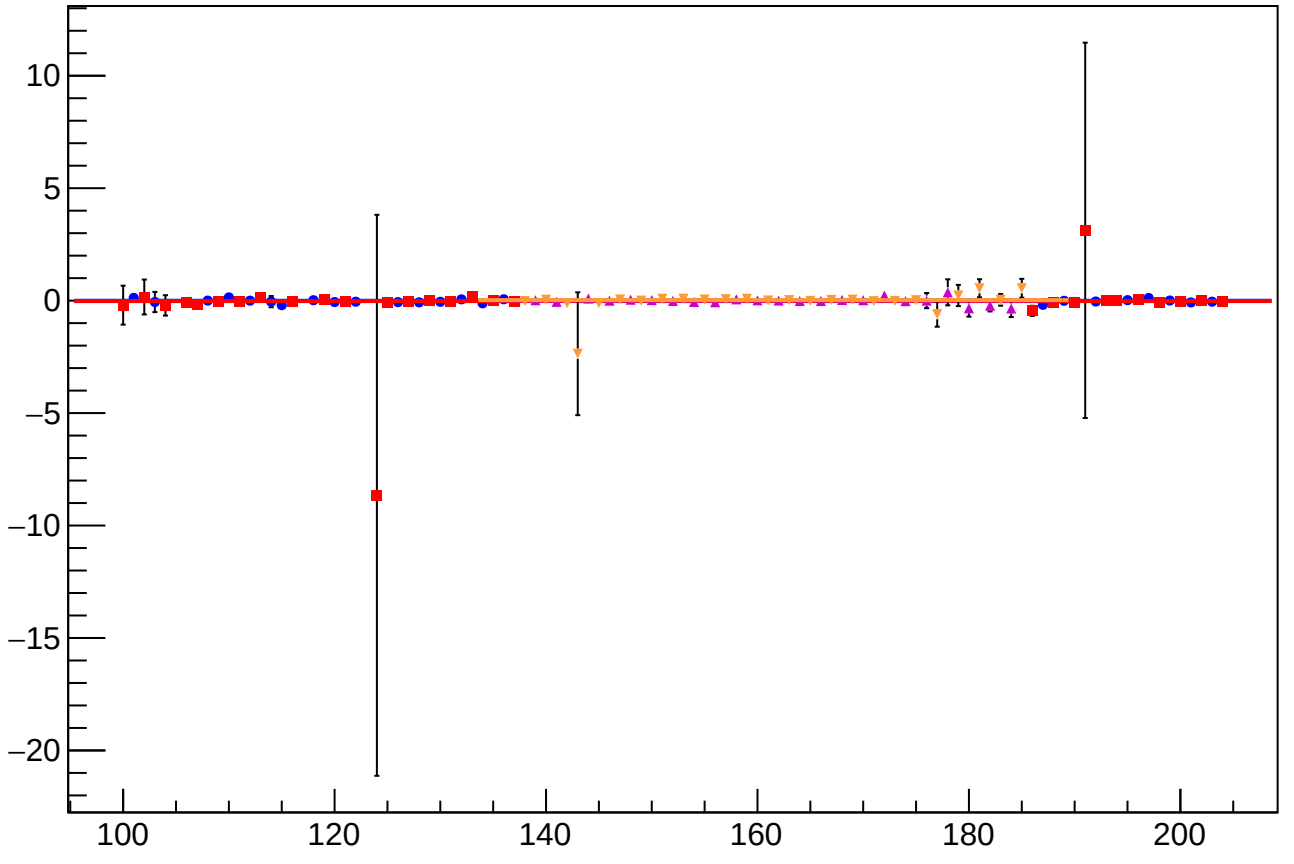
Right Out: 39.592+/-0.009 χ^2/NDF: 5590871.4/29

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.928+/-0.005 χ^2/NDF: 14464037.4/48

All: 35.967+/-0.004 χ^2/NDF: 30413853.9/101

- sign 36.005+/-0.005 χ^2/NDF: 15949715.8/52



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

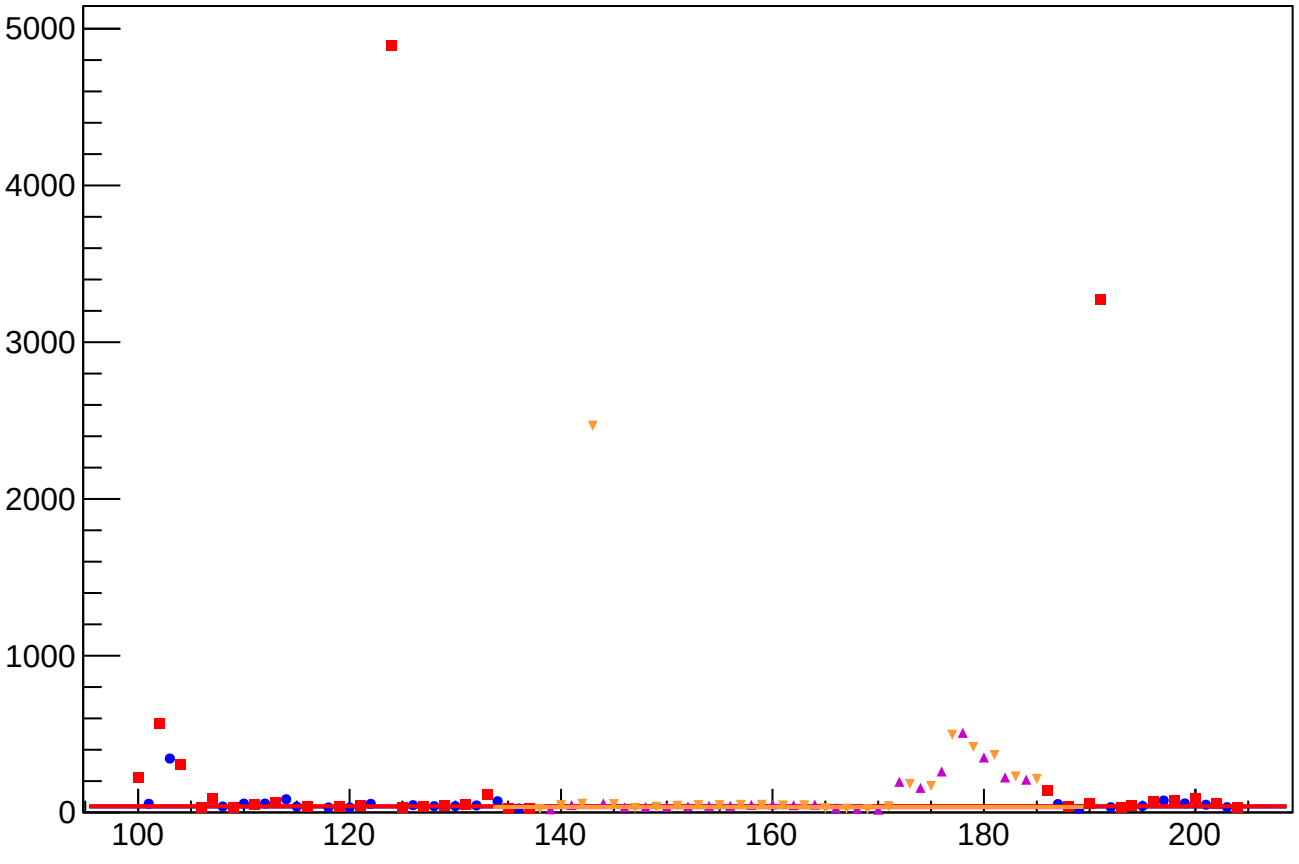
Right Out: -0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.008 χ^2/NDF: 54.1/48

All: 0.004+/-0.005 χ^2/NDF: 96.0/101

- sign -0.002+/-0.008 χ^2/NDF: 40.4/52



Right In: 37.725+/-0.008 χ^2/NDF: 2983710.2/23

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

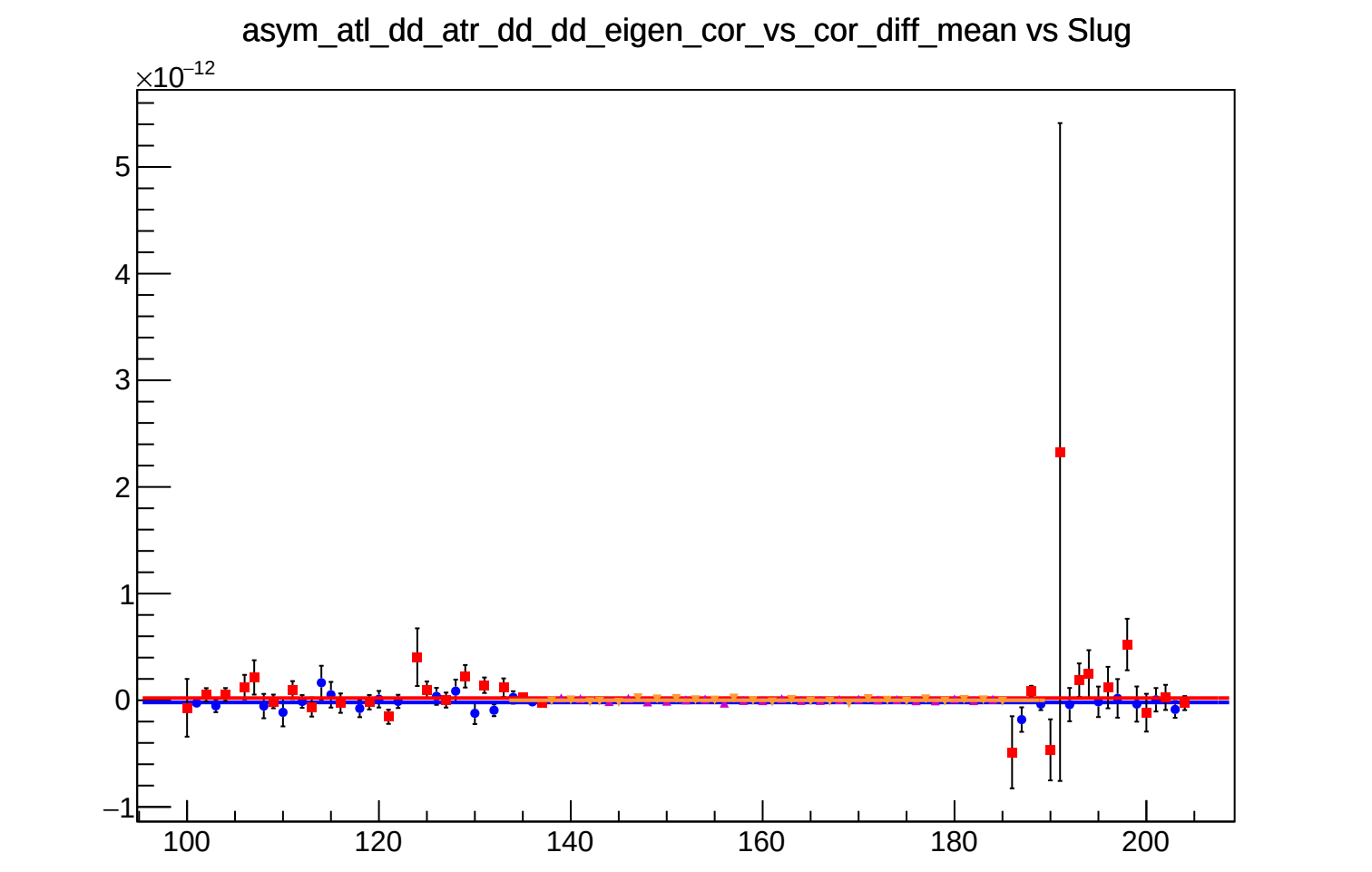
Right Out: 39.592+/-0.009 χ^2/NDF: 5590871.4/29

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.928+/-0.005 χ^2/NDF: 14464037.4/48

All: 35.967+/-0.004 χ^2/NDF: 30413853.9/101

- sign 36.005+/-0.005 χ^2/NDF: 15949715.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 11.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

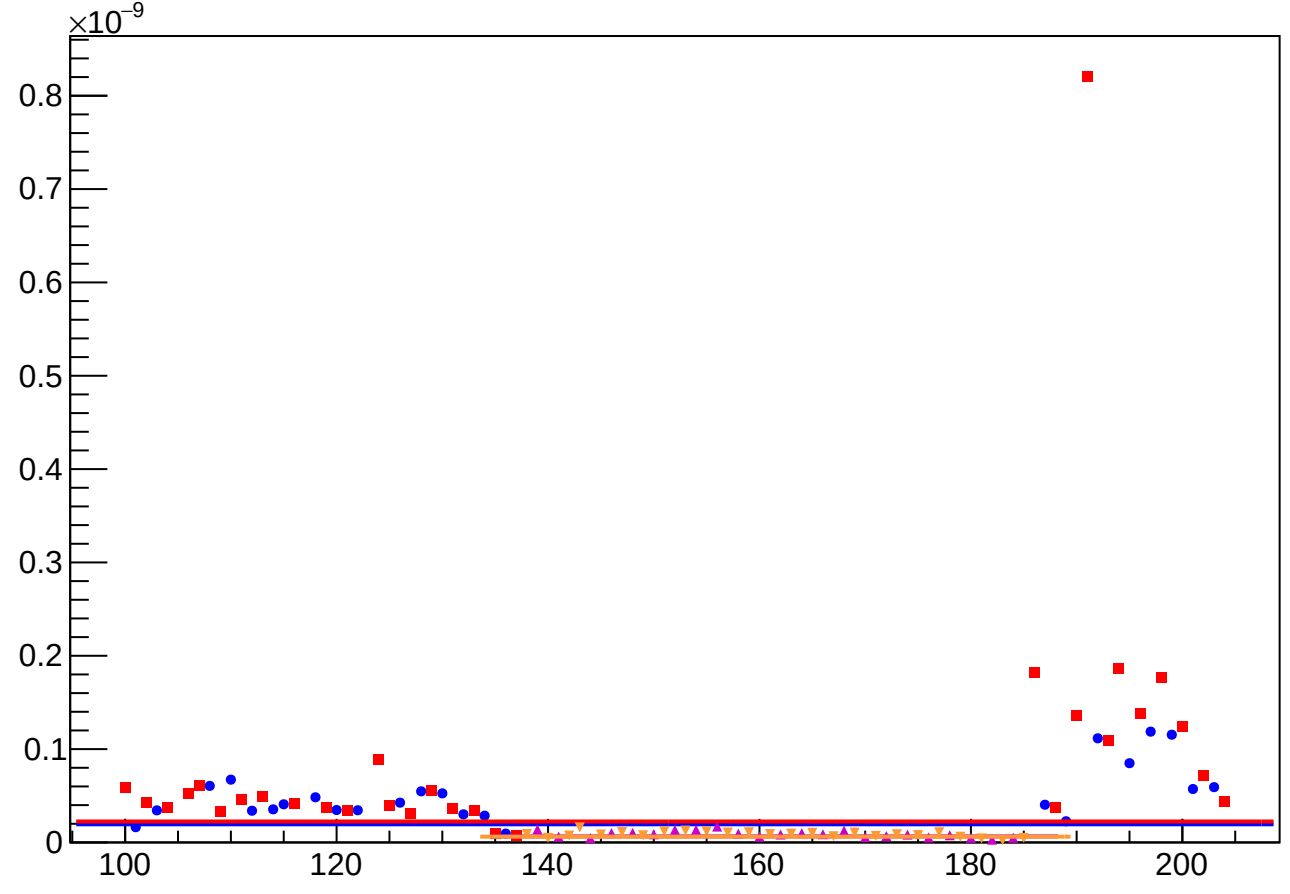
Right Out: 0.000+/-0.000 χ^2/NDF: 42.5/29

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.7/48

All: 0.000+/-0.000 χ^2/NDF: 109.1/101

- sign 0.000+/-0.000 χ^2/NDF: 65.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 6551772.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9456195.6/29

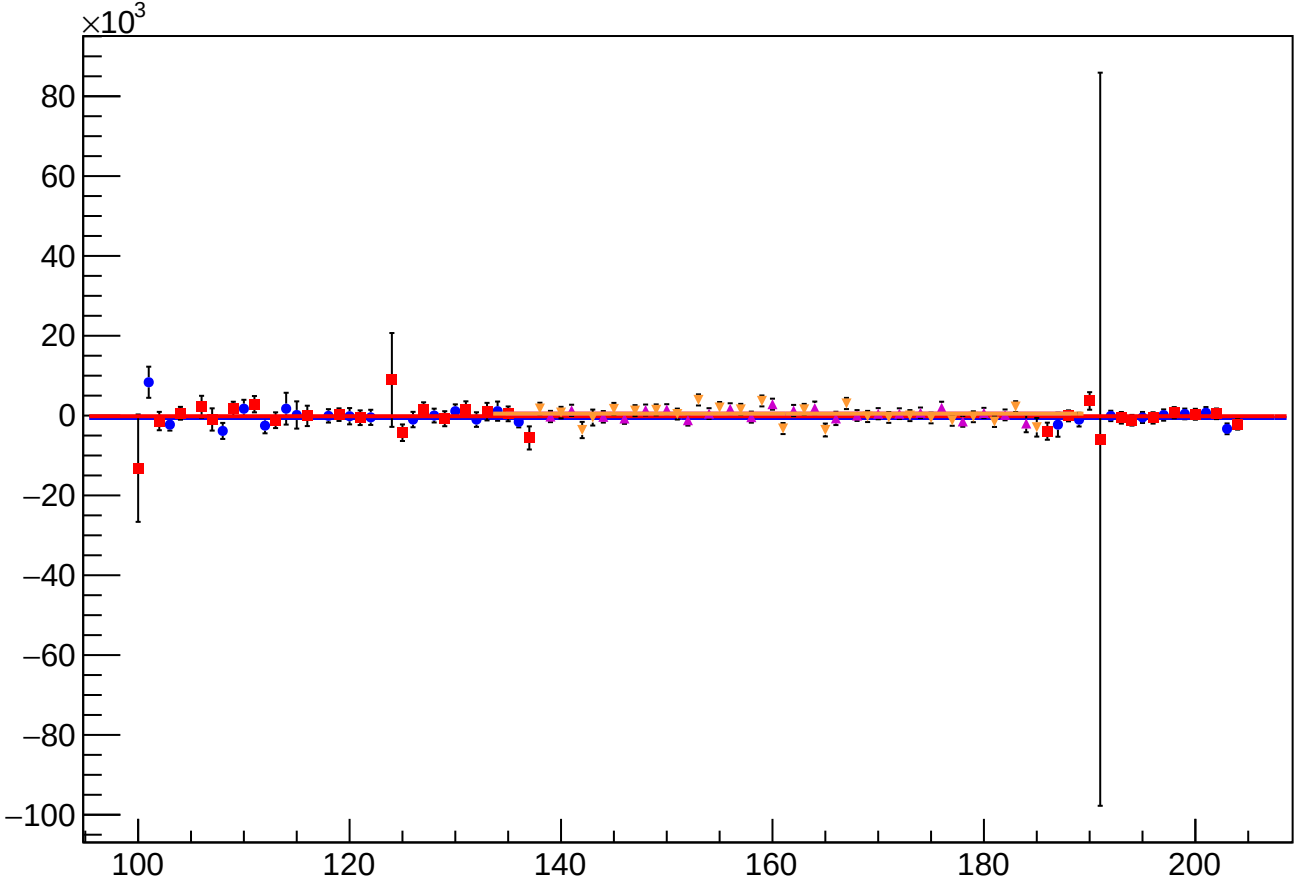
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 15329273.0/48

All: 0.000+/-0.000 χ^2/NDF: 33251367.1/101

- sign 0.000+/-0.000 χ^2/NDF: 17893277.6/52

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -598.215+/-357.099 χ^2/NDF: 20.2/23

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -157.833+/-336.785 χ^2/NDF: 25.7/29

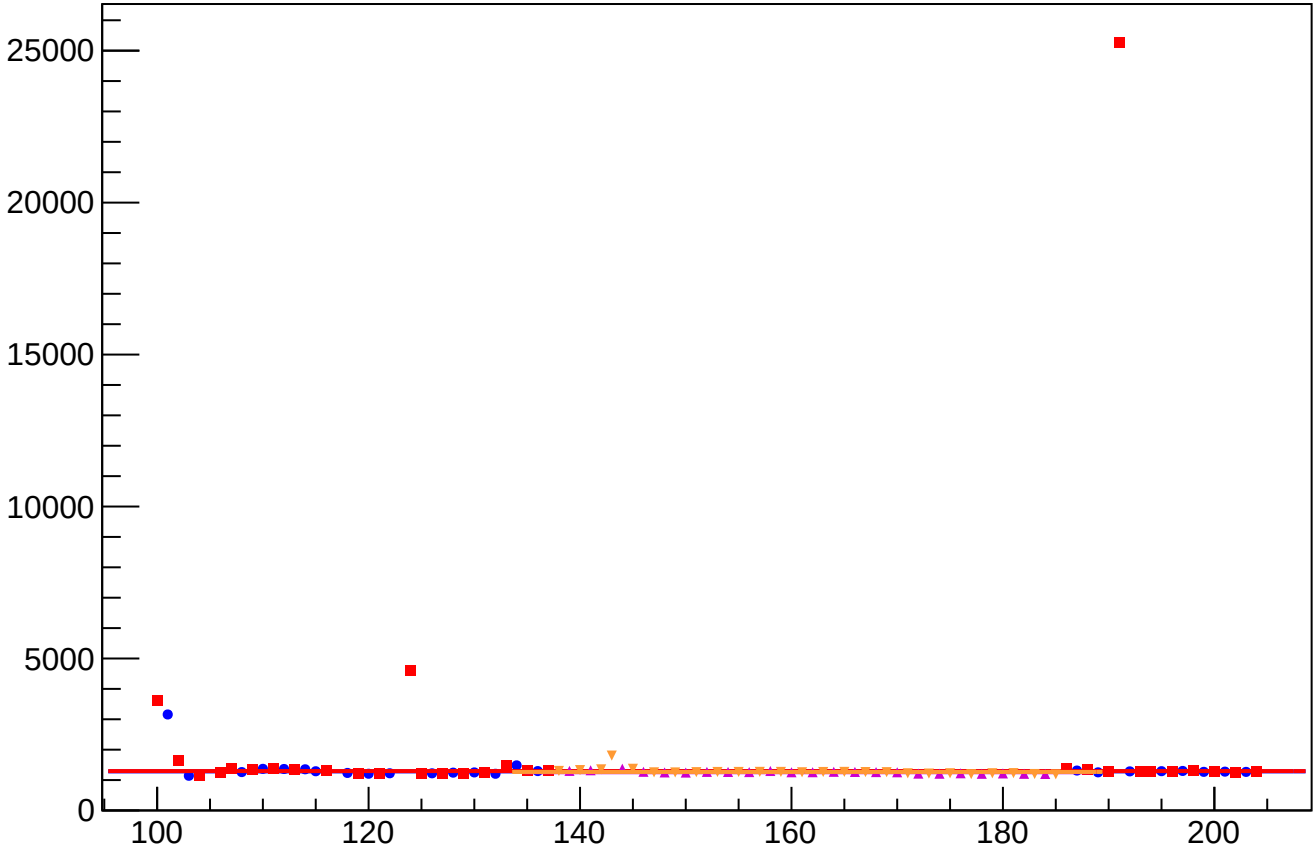
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 61.488+/-224.411 χ^2/NDF: 72.7/48

All: 135.875+/-157.601 χ^2/NDF: 115.2/101

- sign 208.269+/-221.382 χ^2/NDF: 42.2/52

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1285.301+/-0.253 χ^2/NDF: 516525.6/23

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

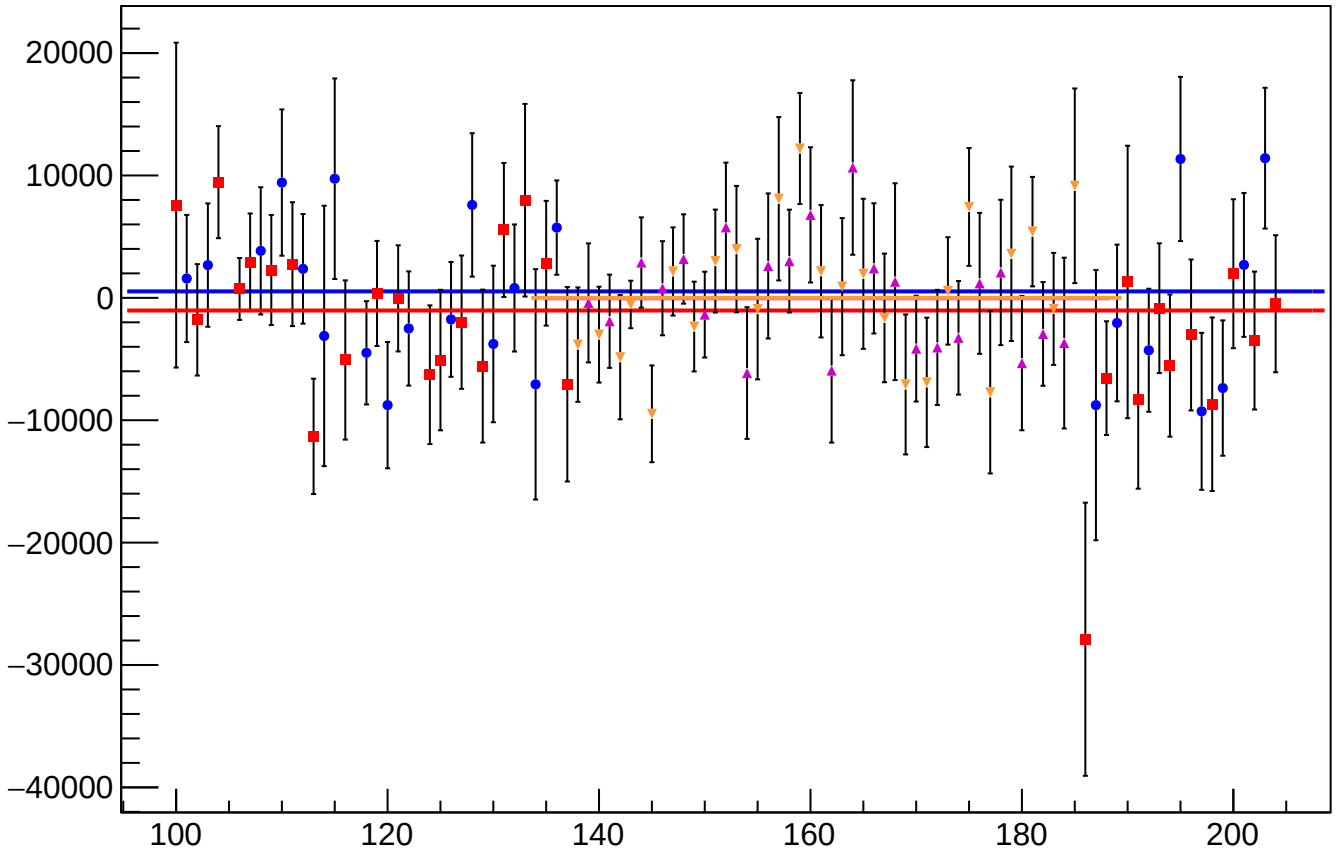
Right Out: 1295.521+/-0.238 χ^2/NDF: 468116.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.208+/-0.159 χ^2/NDF: 707260.8/48

All: 1274.093+/-0.111 χ^2/NDF: 1226652.1/10

- sign 1273.981+/-0.156 χ^2/NDF: 519390.2/52



Right In: 528.534+/-1132.348 χ^2/NDF: 26.6/23

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

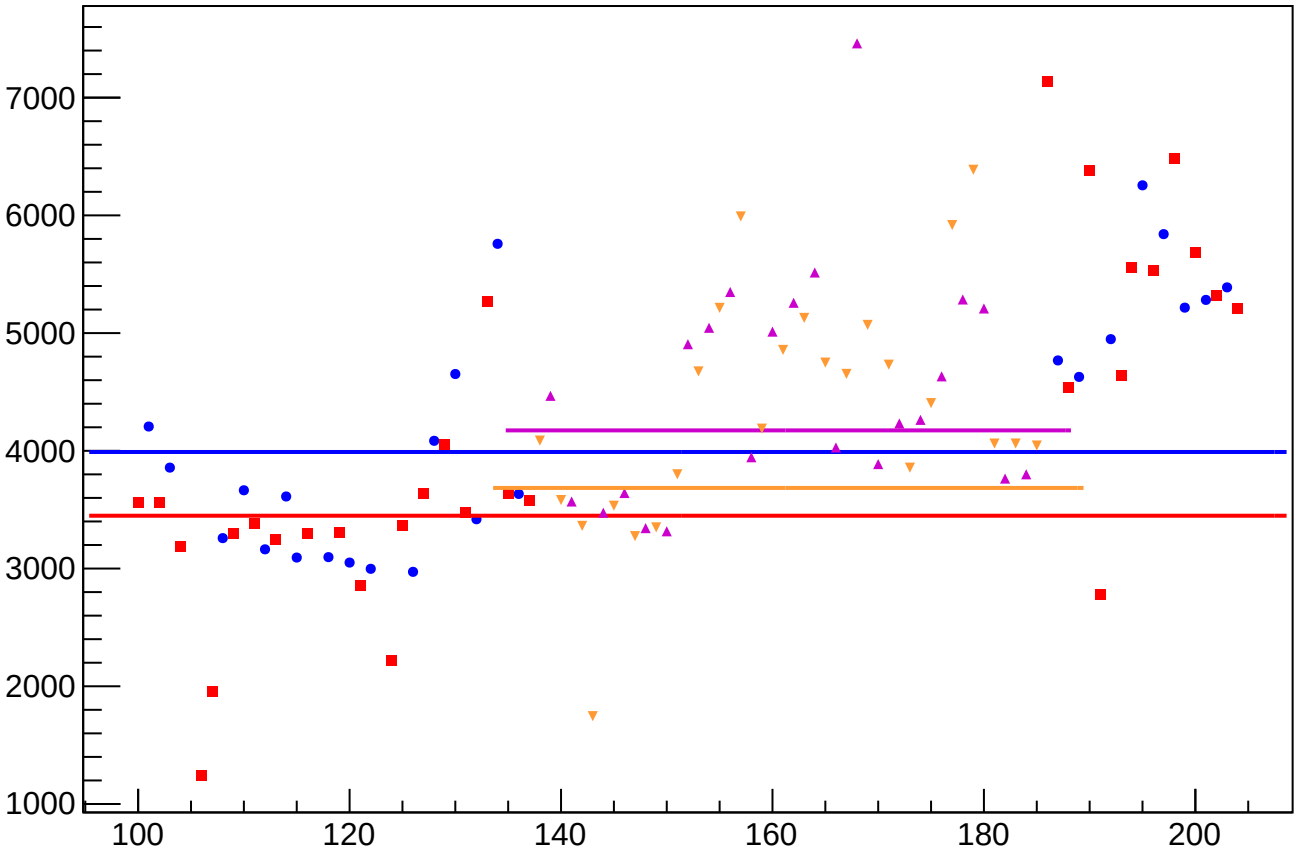
Right Out: -1033.051+/-956.478 χ^2/NDF: 29.9/29

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 200.466+/-698.023 χ^2/NDF: 55.8/48

All: -180.430+/-490.595 χ^2/NDF: 100.8/101

- sign -552.258+/-689.664 χ^2/NDF: 44.5/52



Right In: 3990.167+/-0.801 χ^2/NDF: 1429193.0/23

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3448.723+/-0.676 χ^2/NDF: 4215986.4/29

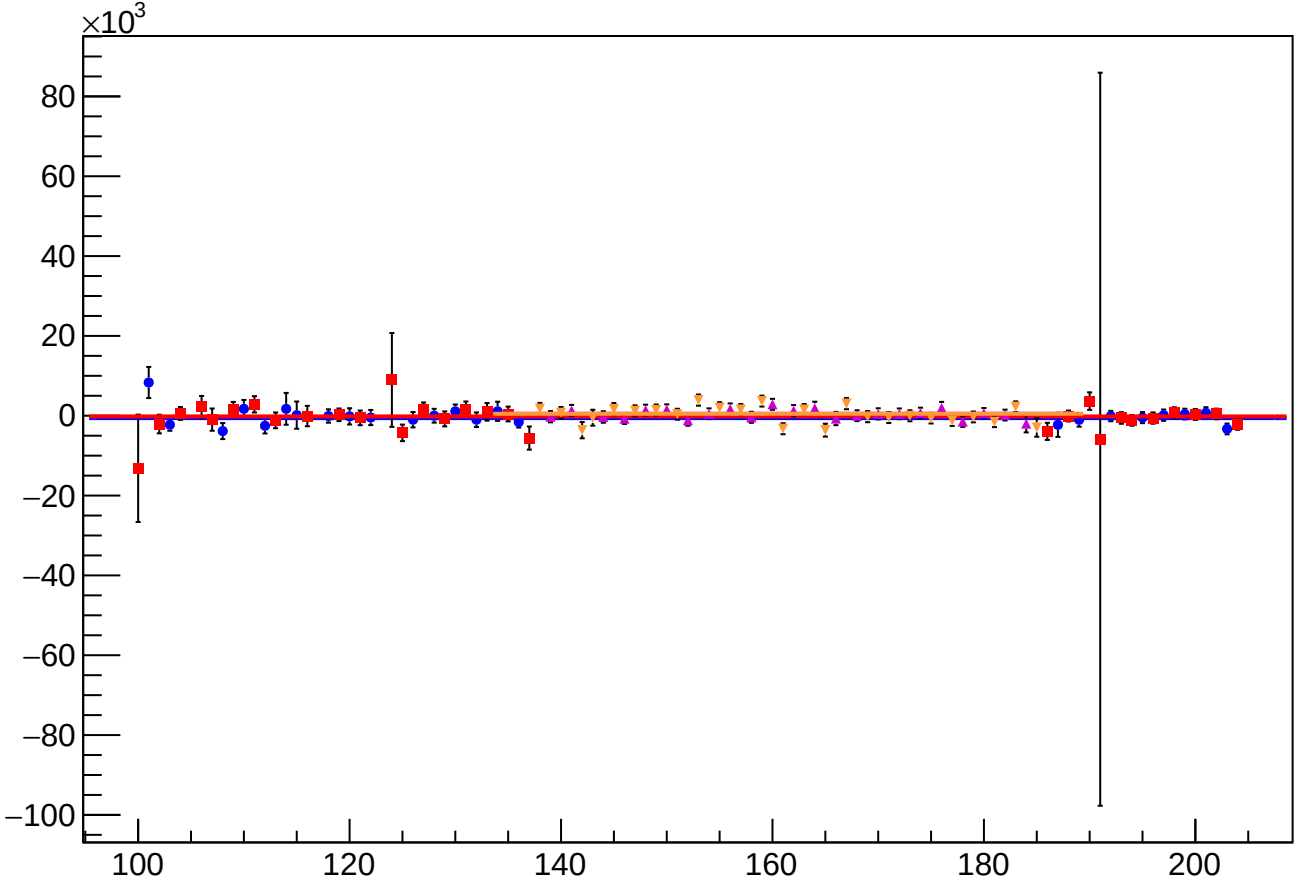
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3800.819+/-0.494 χ^2/NDF: 5213037.9/48

All: 3798.740+/-0.347 χ^2/NDF: 11255447.4/1

- sign 3796.710+/-0.488 χ^2/NDF: 6042374.4/52

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -171.779+/-336.892 χ^2/NDF: 26.1/29

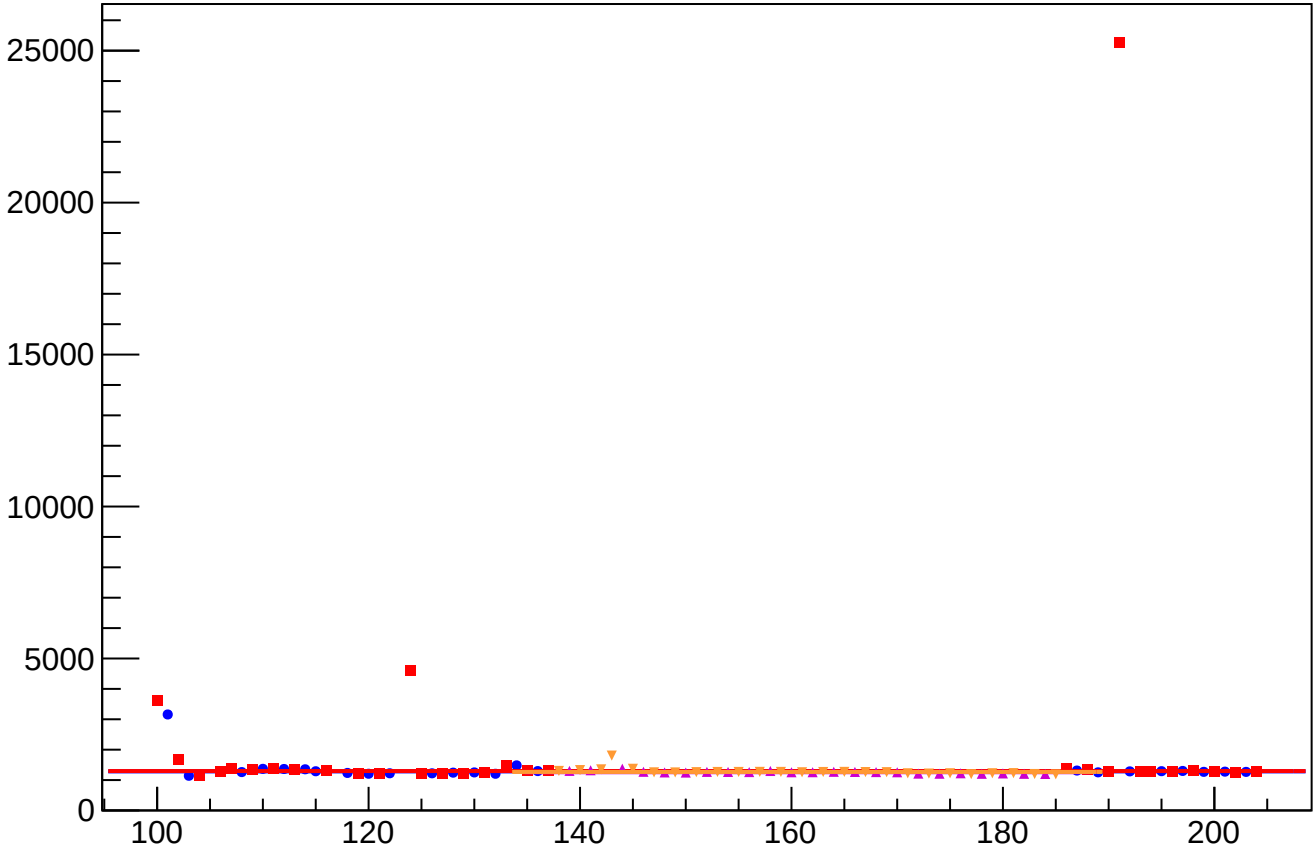
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.429+/-224.411 χ^2/NDF: 72.7/48

All: 132.806+/-157.612 χ^2/NDF: 115.6/101

- sign 202.287+/-221.413 χ^2/NDF: 42.7/52

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

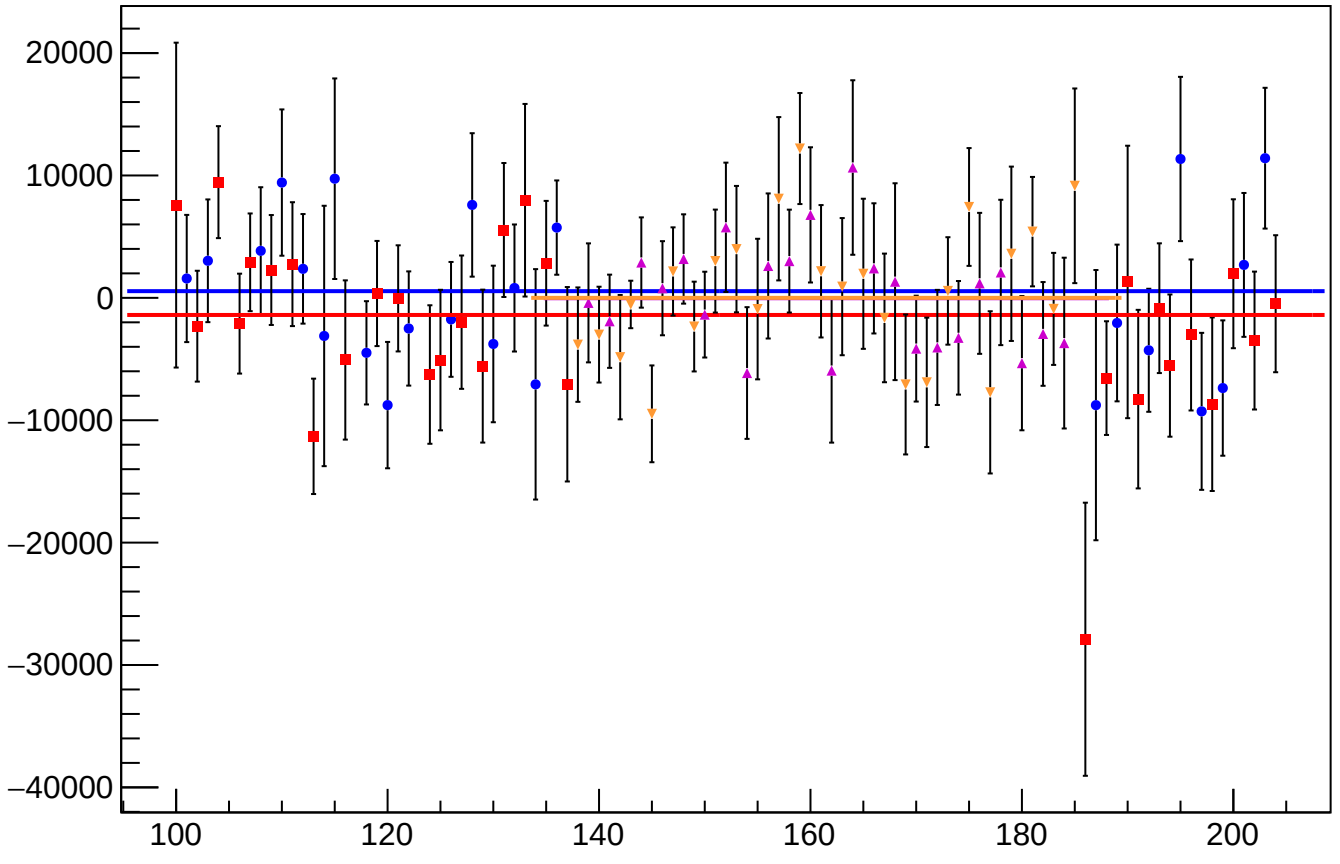
Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.208+/-0.159 χ^2/NDF: 707262.2/48

All: 1274.298+/-0.111 χ^2/NDF: 1234042.6/10

- sign 1274.385+/-0.157 χ^2/NDF: 526779.8/52



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

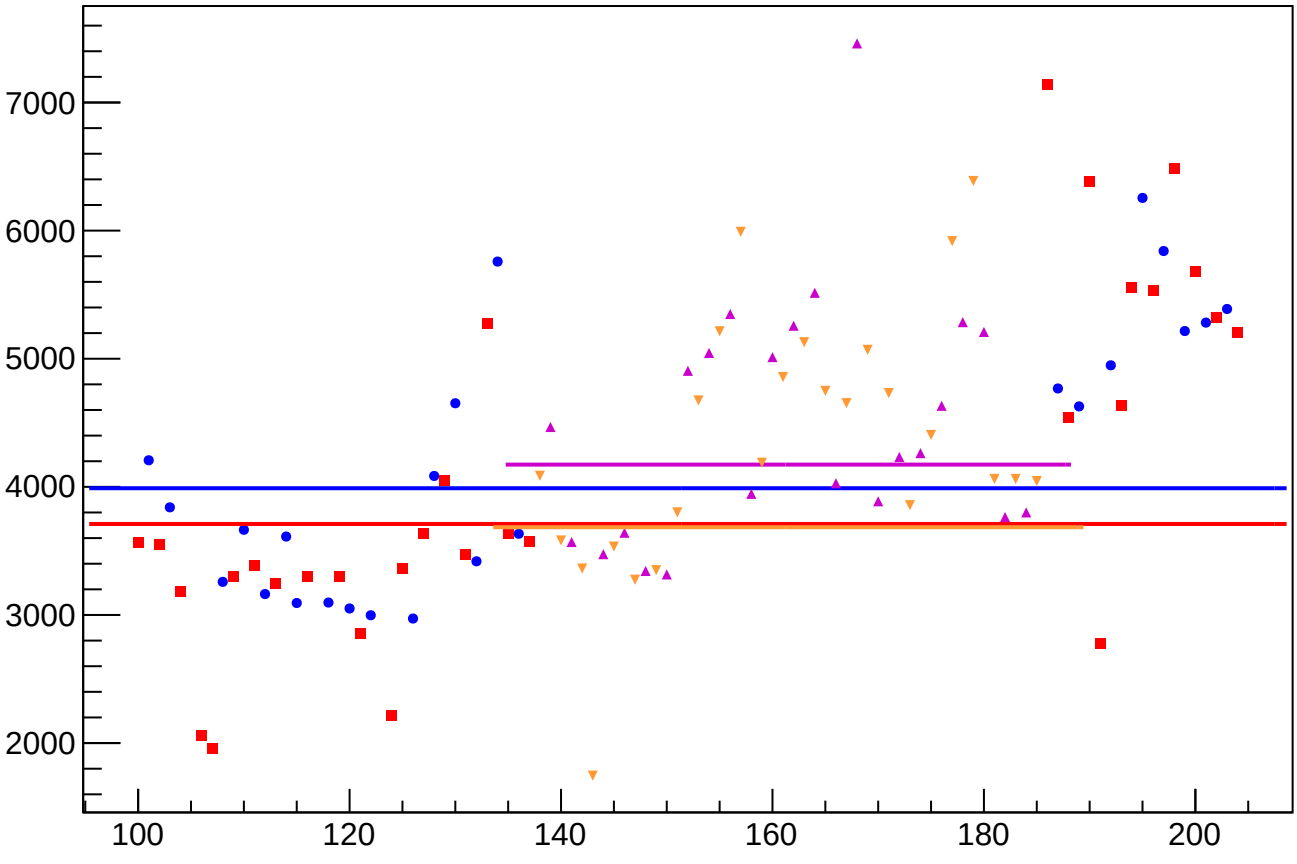
Right Out: -1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 207.773+/-697.956 χ^2/NDF: 55.8/48

All: -246.303+/-496.320 χ^2/NDF: 101.1/101

- sign -710.796+/-705.917 χ^2/NDF: 44.4/52



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

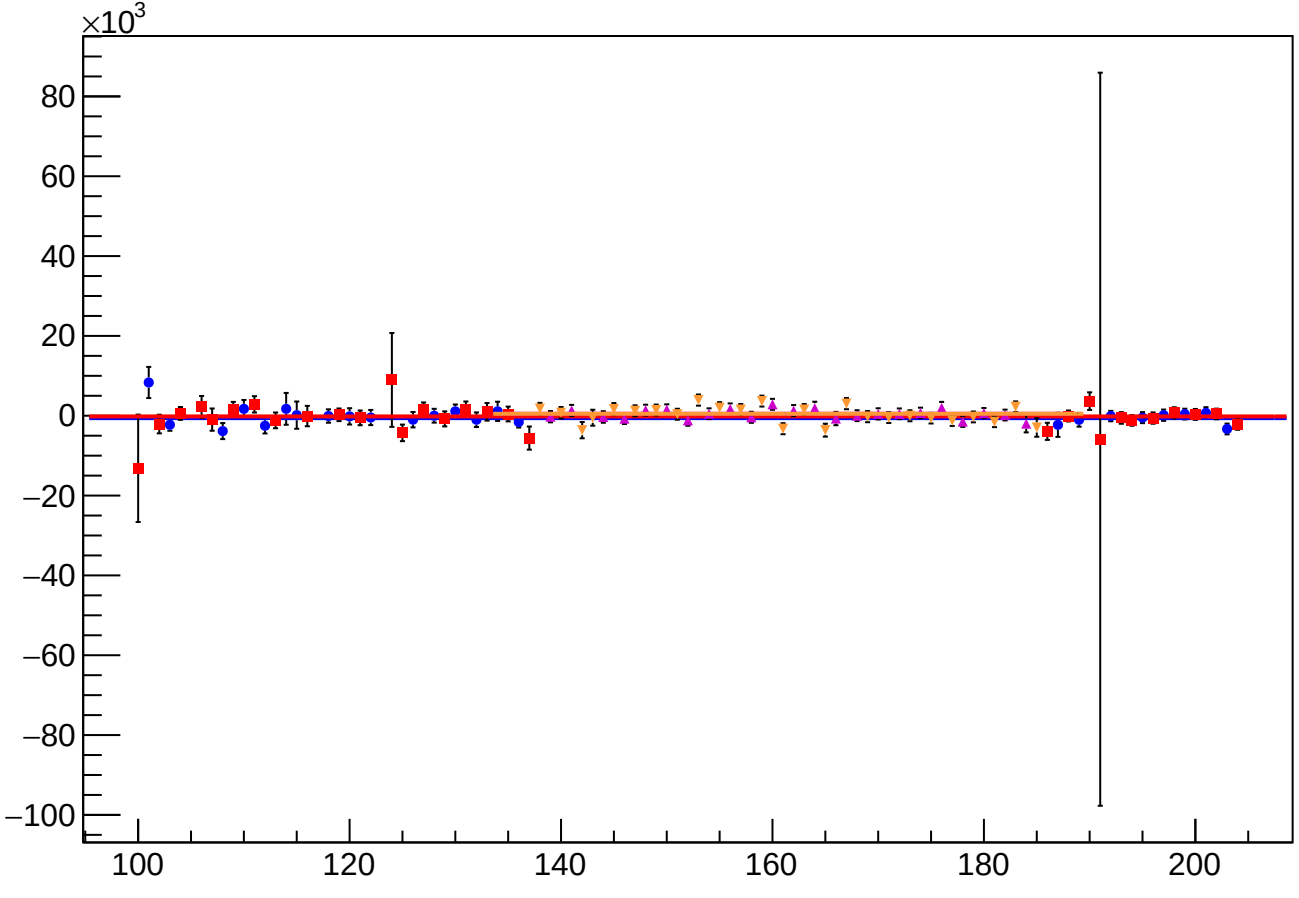
Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3800.505+/-0.494 χ^2/NDF: 5213017.0/48

All: 3871.093+/-0.351 χ^2/NDF: 9532392.7/10

- sign 3943.300+/-0.499 χ^2/NDF: 4277993.1/52



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -171.779+/-336.892 χ^2/NDF: 26.1/29

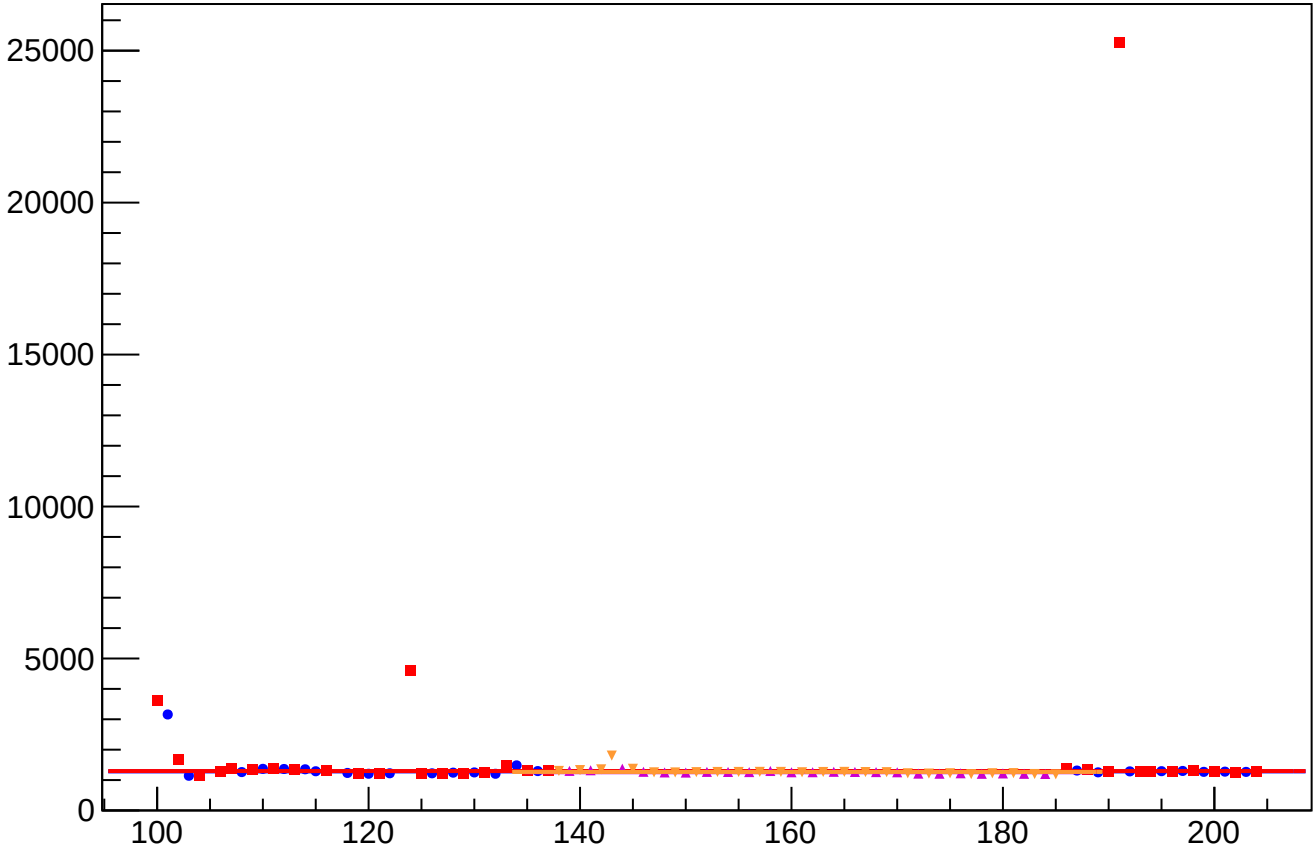
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.429+/-224.411 χ^2/NDF: 72.7/48

All: 132.806+/-157.612 χ^2/NDF: 115.6/101

- sign 202.287+/-221.413 χ^2/NDF: 42.7/52

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

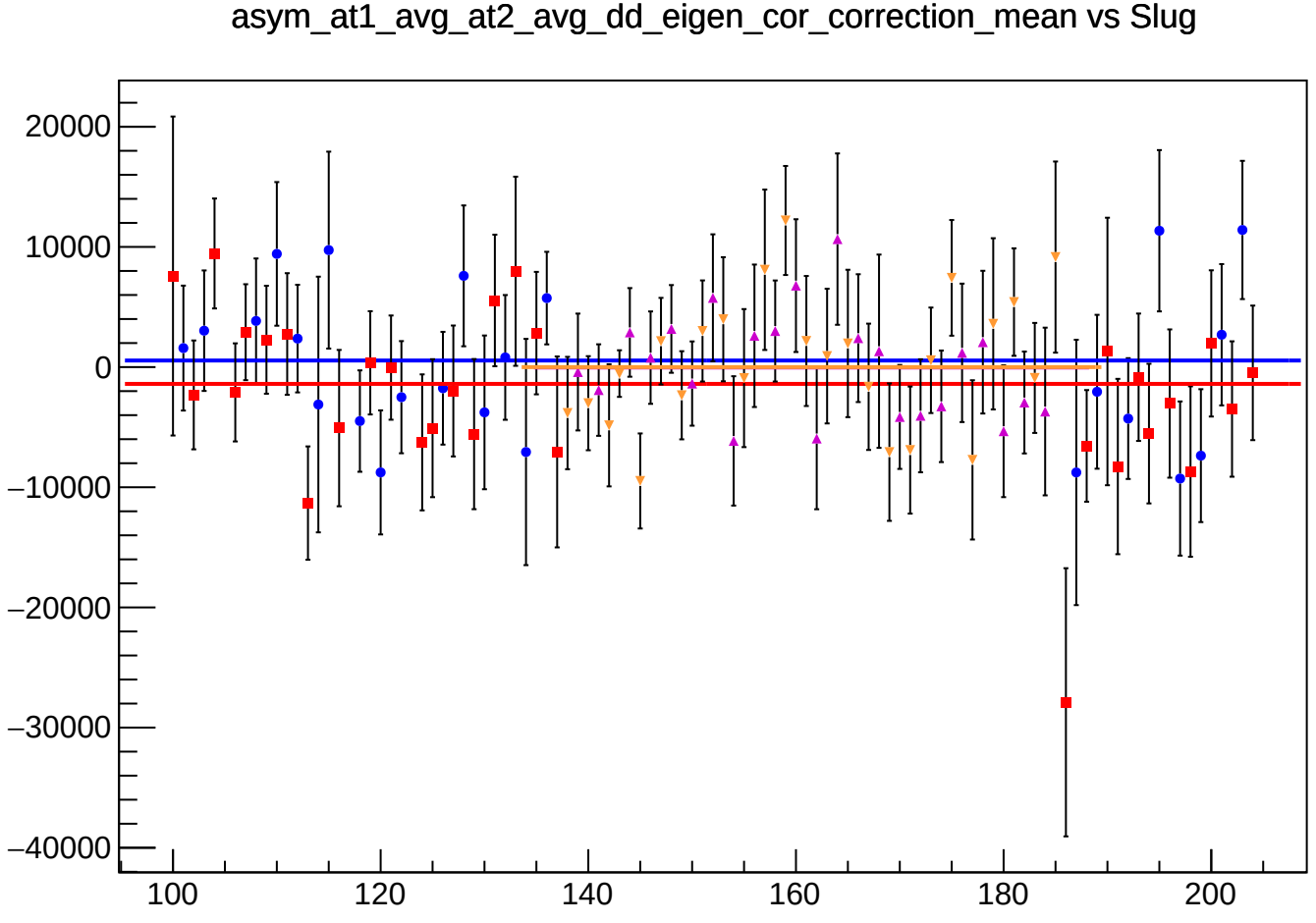
Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.208+/-0.159 χ^2/NDF: 707262.2/48

All: 1274.298+/-0.111 χ^2/NDF: 1234042.6/10

- sign 1274.385+/-0.157 χ^2/NDF: 526779.8/52



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

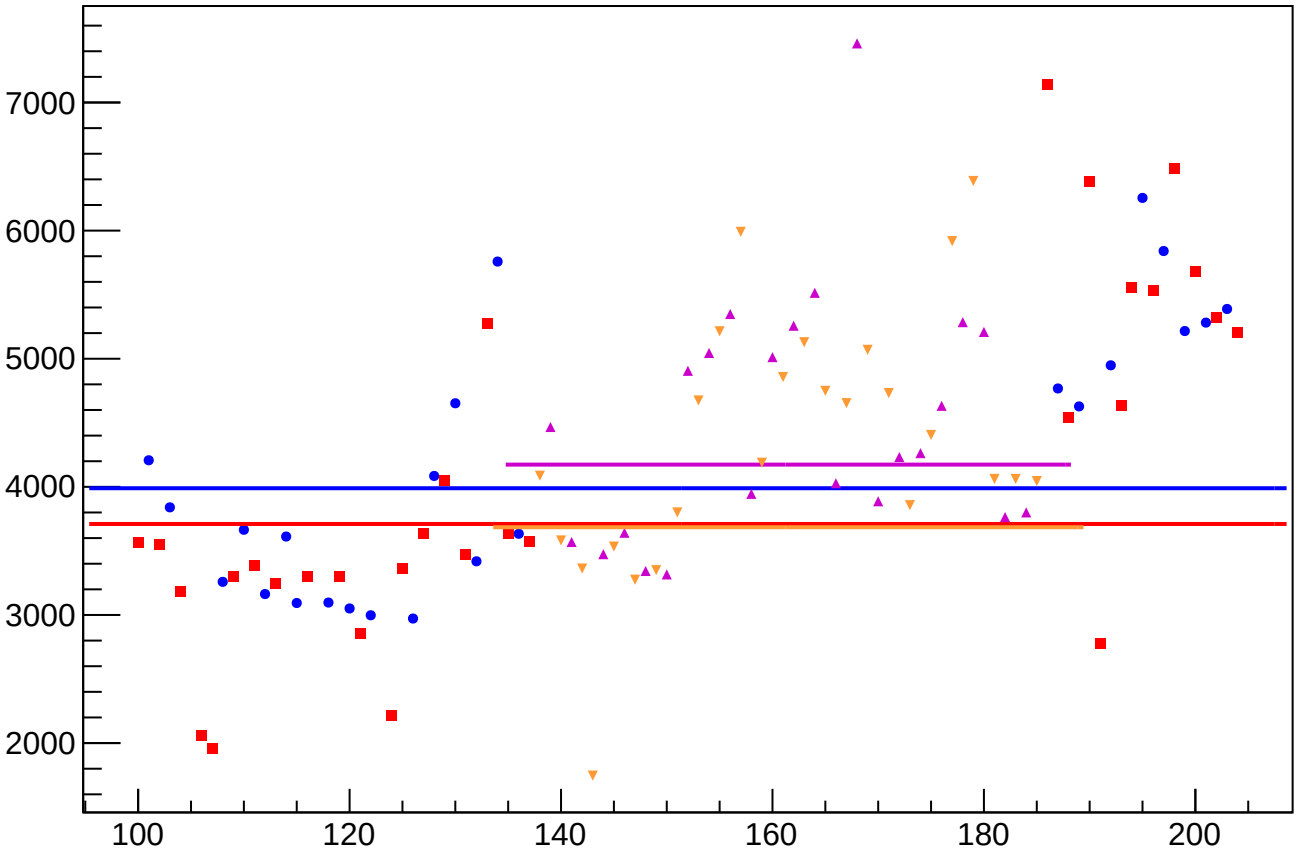
Right Out: -1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 207.773+/-697.956 χ^2/NDF: 55.8/48

All: -246.303+/-496.320 χ^2/NDF: 101.1/101

- sign -710.796+/-705.917 χ^2/NDF: 44.4/52



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

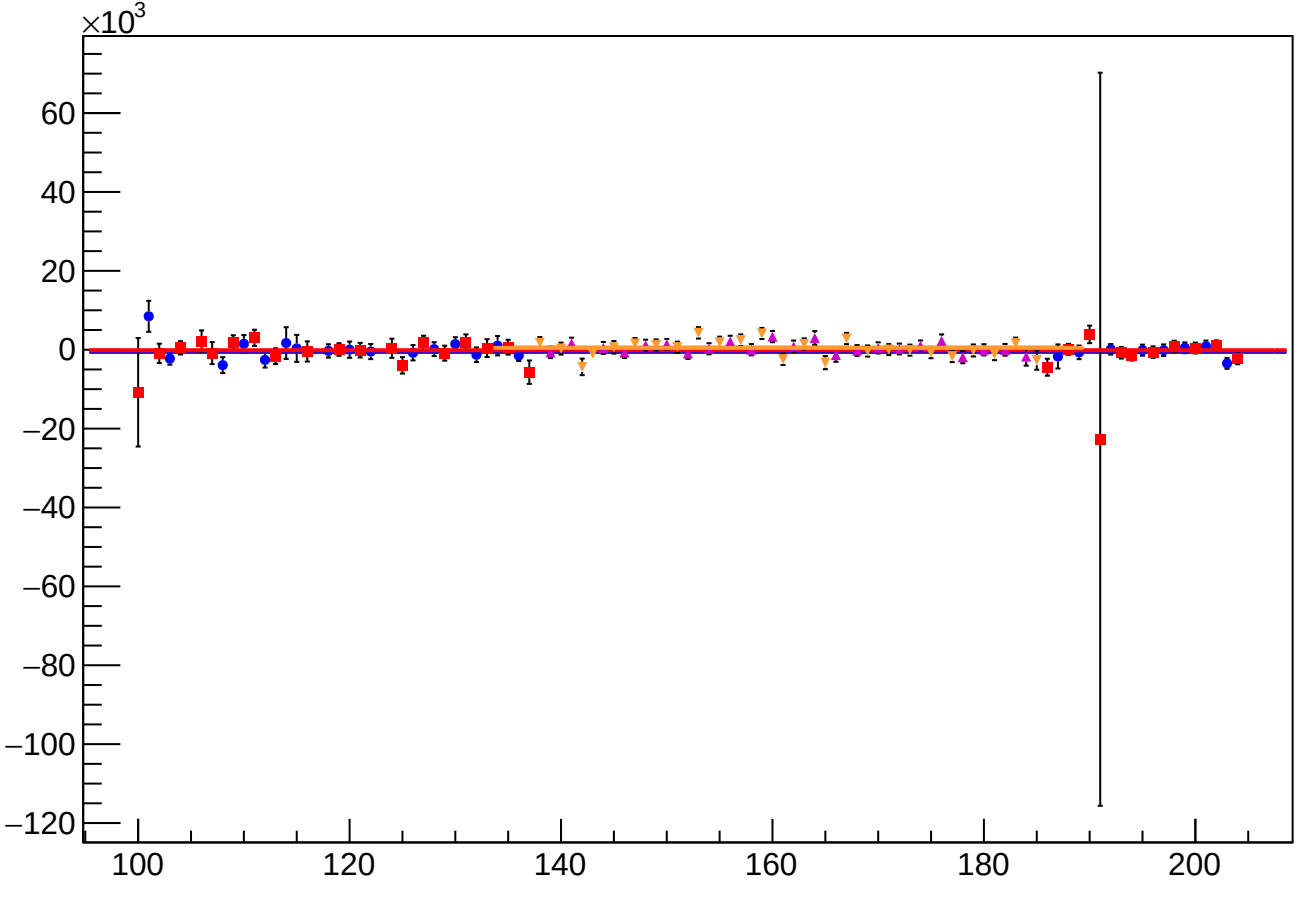
Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3800.505+/-0.494 χ^2/NDF: 5213017.0/48

All: 3871.093+/-0.351 χ^2/NDF: 9532392.7/10

- sign 3943.300+/-0.499 χ^2/NDF: 4277993.1/52



Right In: -539.414+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -126.590+/-339.394 χ^2/NDF: 27.3/29

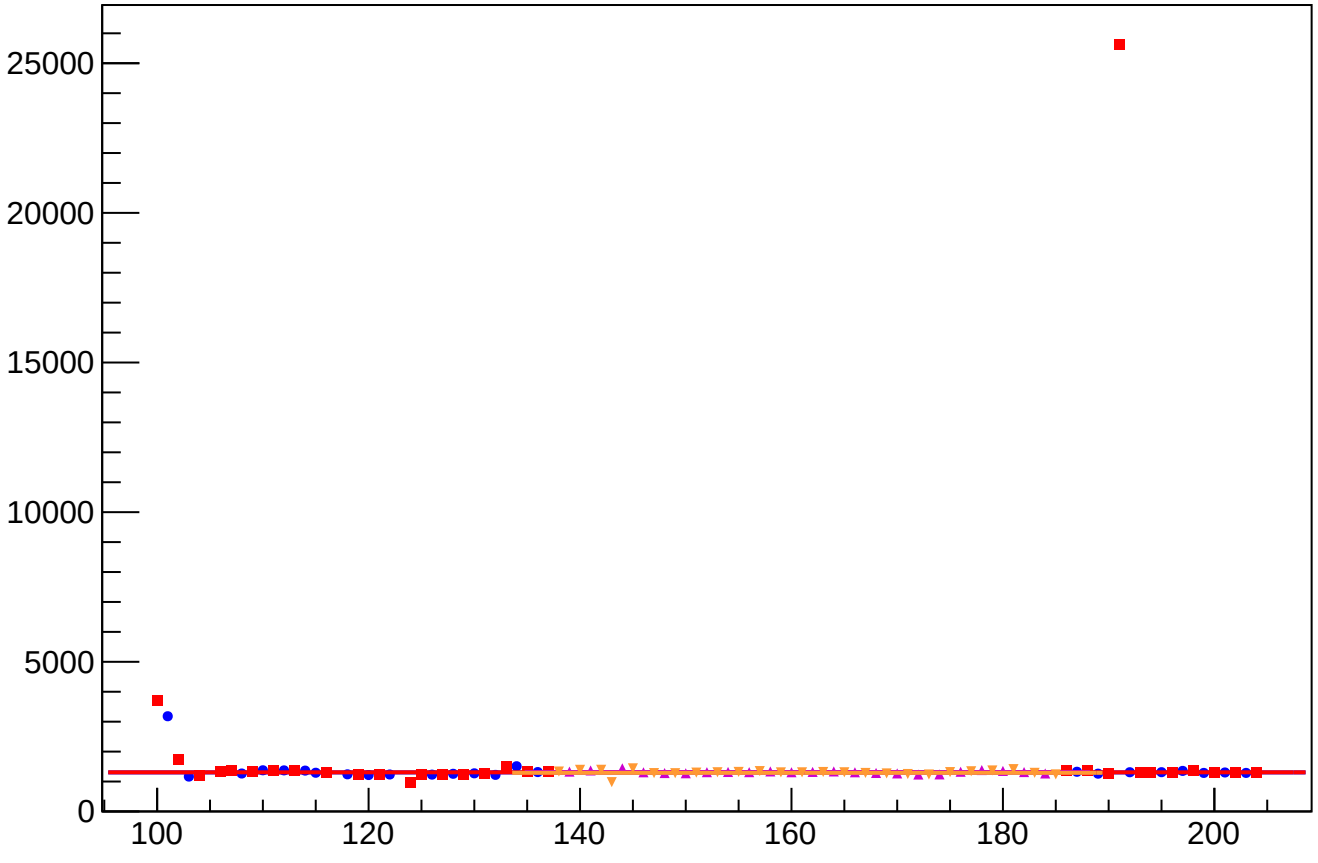
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 67.689+/-228.439 χ^2/NDF: 69.5/48

All: 144.056+/-161.268 χ^2/NDF: 116.3/101

- sign 219.929+/-227.698 χ^2/NDF: 46.6/52

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.1/23

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

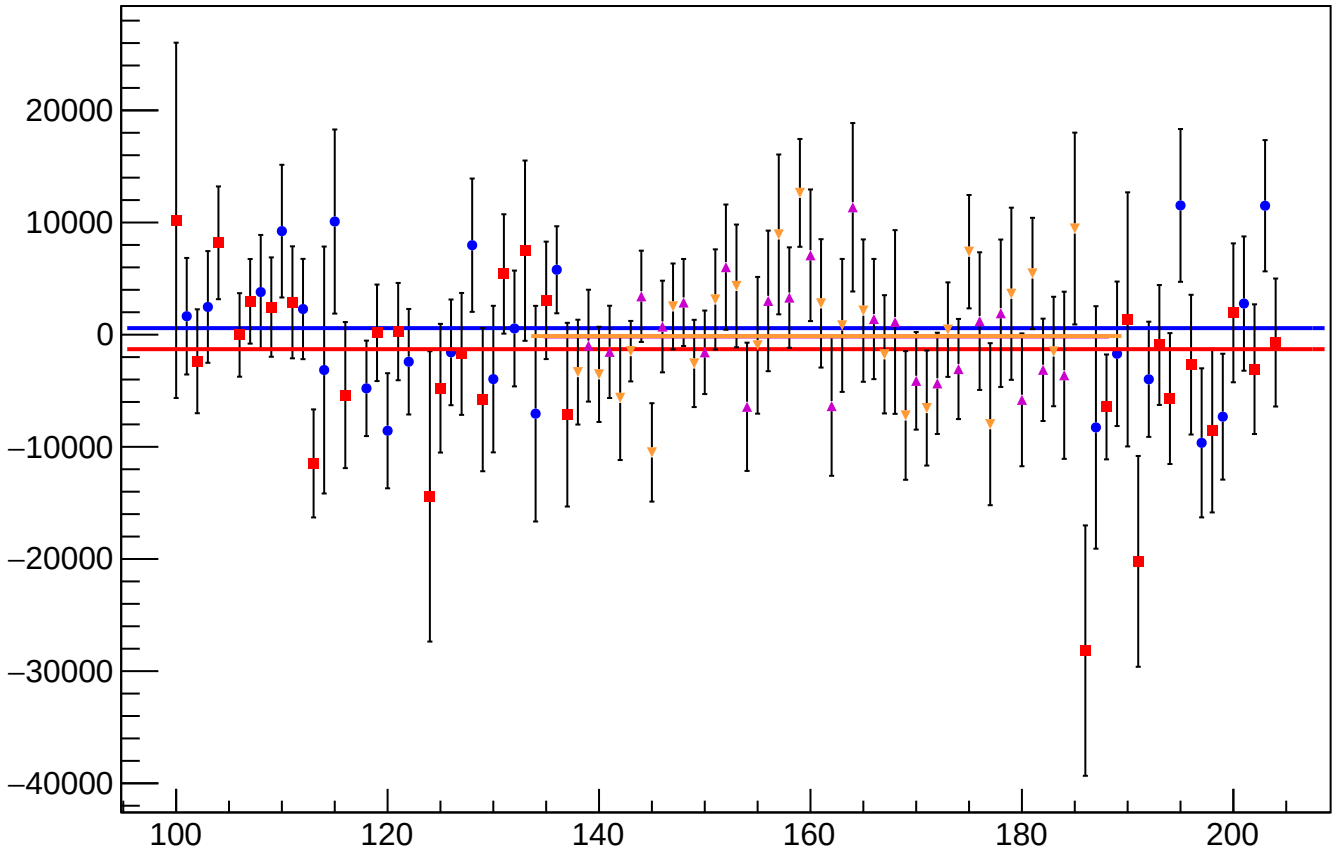
Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.1/29

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.417+/-0.162 χ^2/NDF: 747225.0/48

All: 1303.857+/-0.114 χ^2/NDF: 1158395.7/10

- sign 1311.246+/-0.161 χ^2/NDF: 406942.6/52



Right In: 583.551+/-1138.726 χ^2/NDF: 26.3/23

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

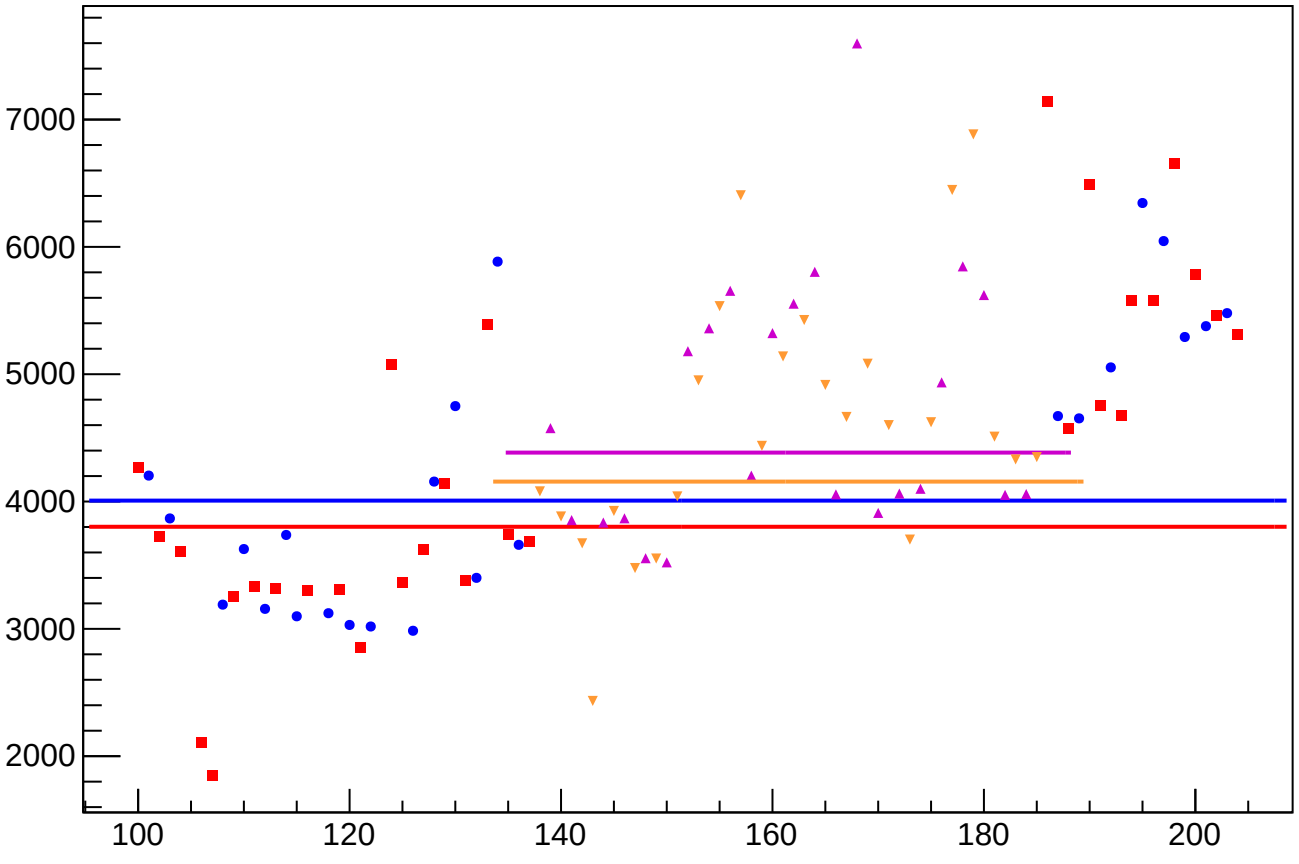
Right Out: -1292.677+/-1019.096 χ^2/NDF: 31.1/29

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 174.201+/-741.589 χ^2/NDF: 55.1/48

All: -290.527+/-520.153 χ^2/NDF: 101.3/101

- sign -740.560+/-729.769 χ^2/NDF: 45.4/52



Right In: 4007.247+/-0.805 χ^2/NDF: 1521072.4/23

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

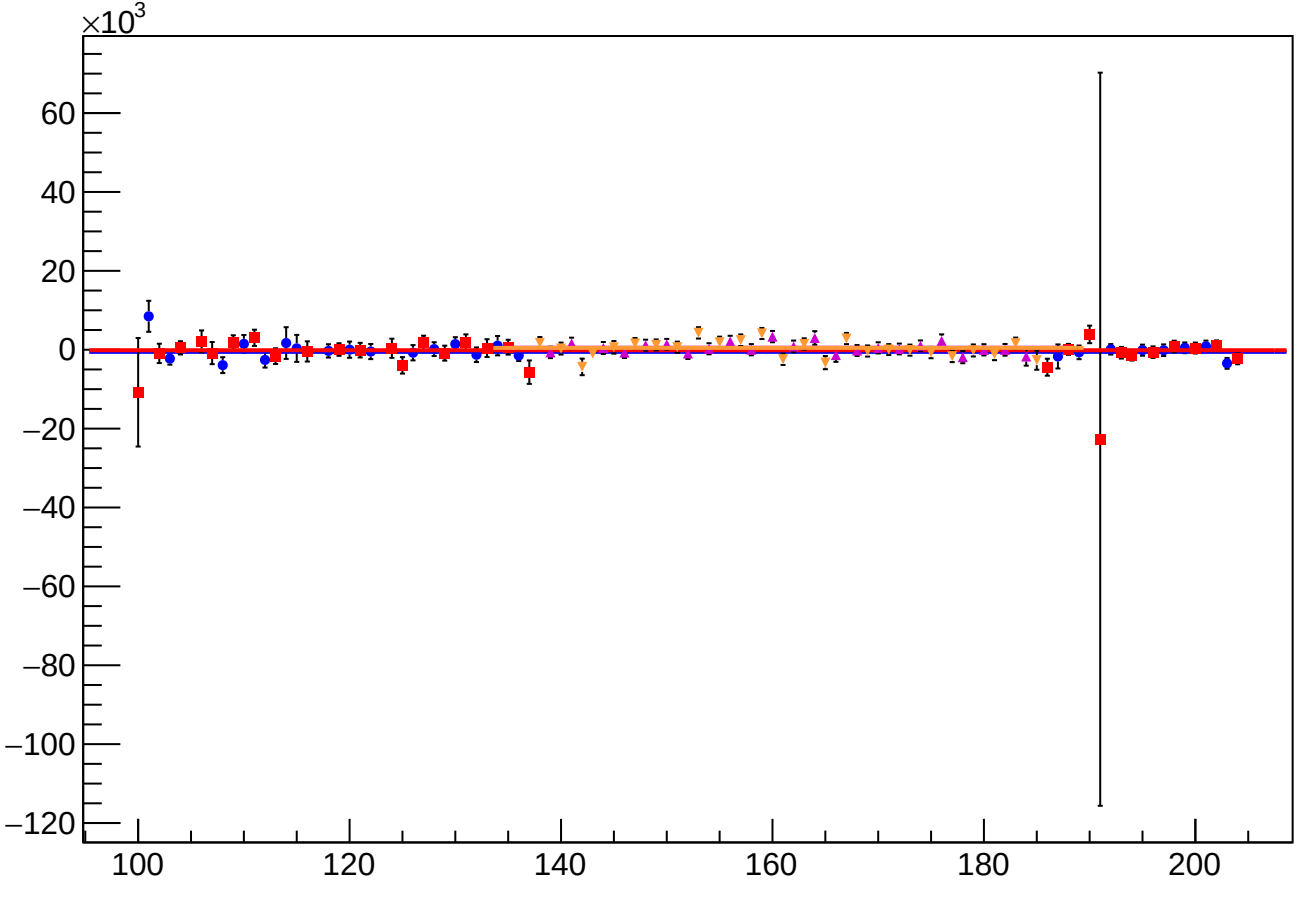
Right Out: 3801.788+/-0.721 χ^2/NDF: 2870355.6/29

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4093.246+/-0.524 χ^2/NDF: 3621646.9/48

All: 4089.363+/-0.368 χ^2/NDF: 8065970.4/10

- sign 4085.604+/-0.516 χ^2/NDF: 4444215.6/52



Right In: -539.413+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -126.587+/-339.394 χ^2/NDF: 27.3/29

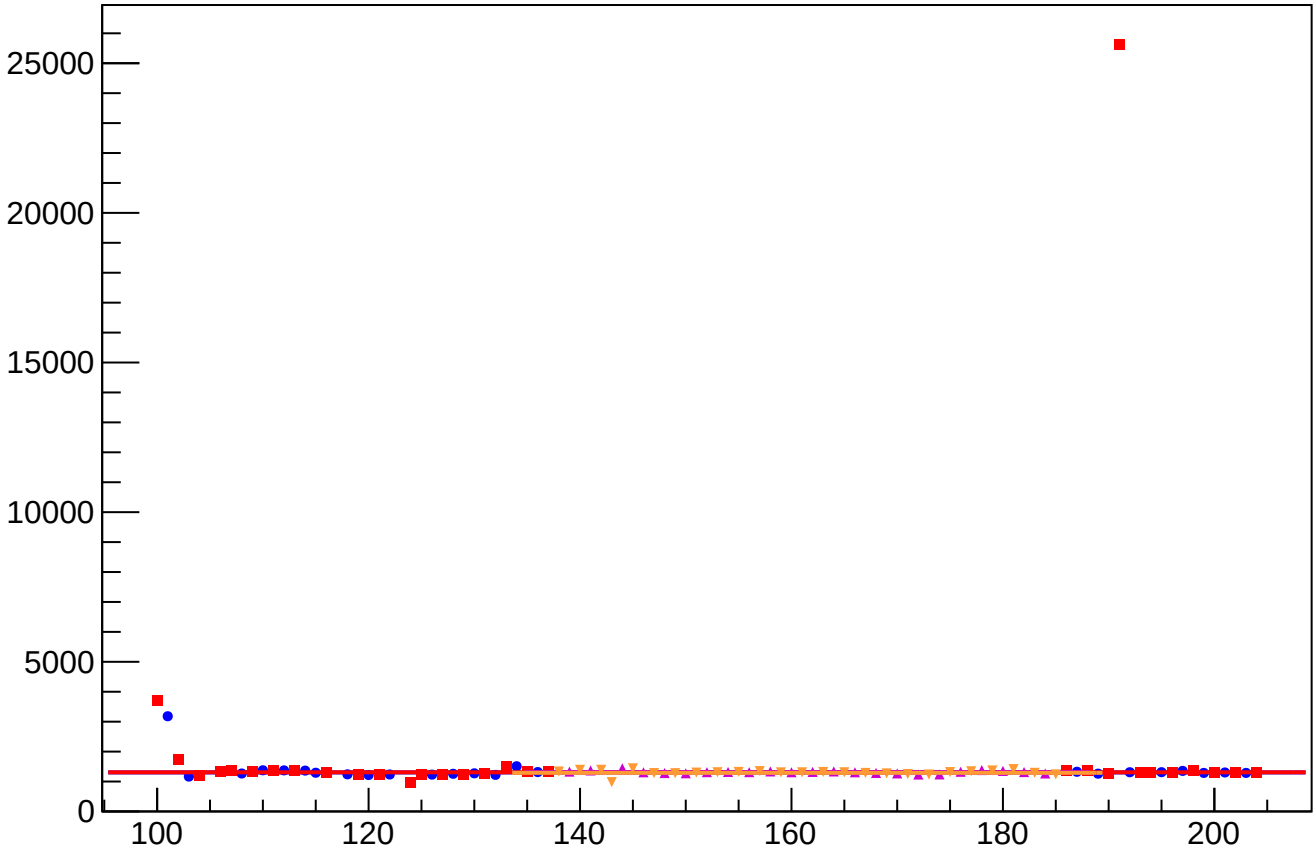
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 67.691+/-228.439 χ^2/NDF: 69.5/48

All: 144.058+/-161.268 χ^2/NDF: 116.3/101

- sign 219.930+/-227.698 χ^2/NDF: 46.6/52

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.3/23

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

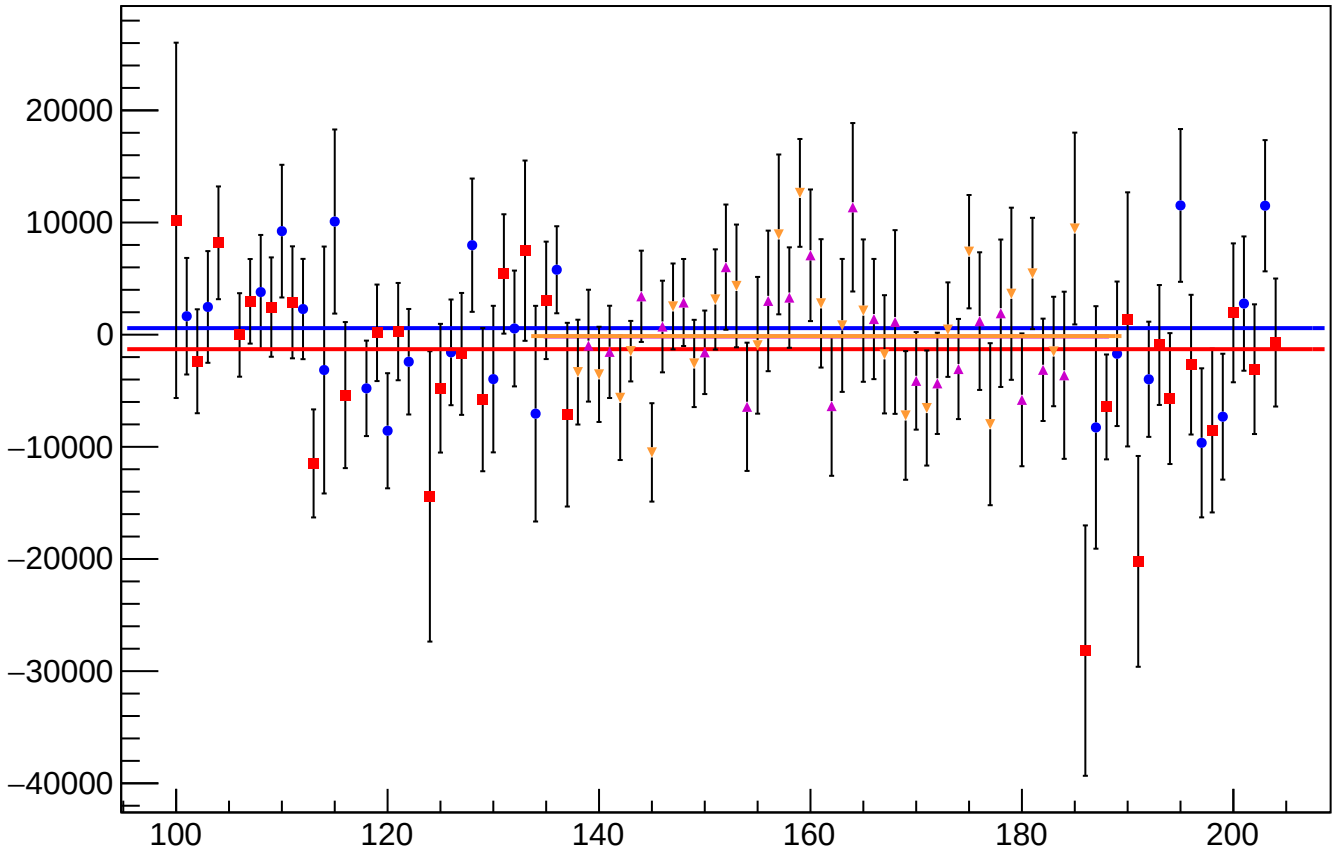
Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.3/29

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.418+/-0.162 χ^2/NDF: 747227.4/48

All: 1303.858+/-0.114 χ^2/NDF: 1158400.7/10

- sign 1311.247+/-0.161 χ^2/NDF: 406945.1/52



Right In: 583.543+/-1138.724 χ^2/NDF: 26.3/23

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

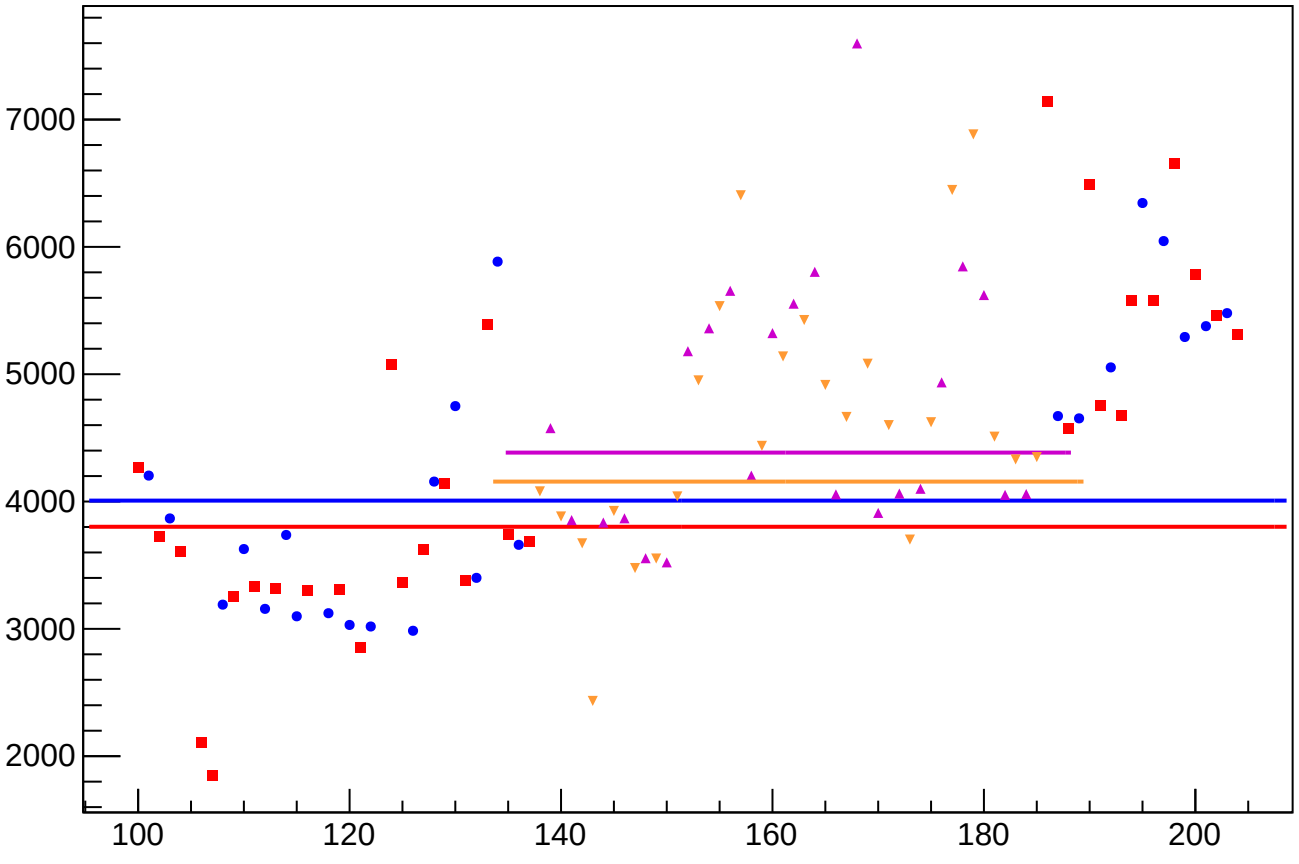
Right Out: -1292.670+/-1019.095 χ^2/NDF: 31.1/29

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 174.200+/-741.589 χ^2/NDF: 55.1/48

All: -290.527+/-520.153 χ^2/NDF: 101.3/101

- sign -740.559+/-729.769 χ^2/NDF: 45.4/52



Right In: 4007.239+/-0.805 χ^2/NDF: 1521095.9/23

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3801.781+/-0.721 χ^2/NDF: 2870380.1/29

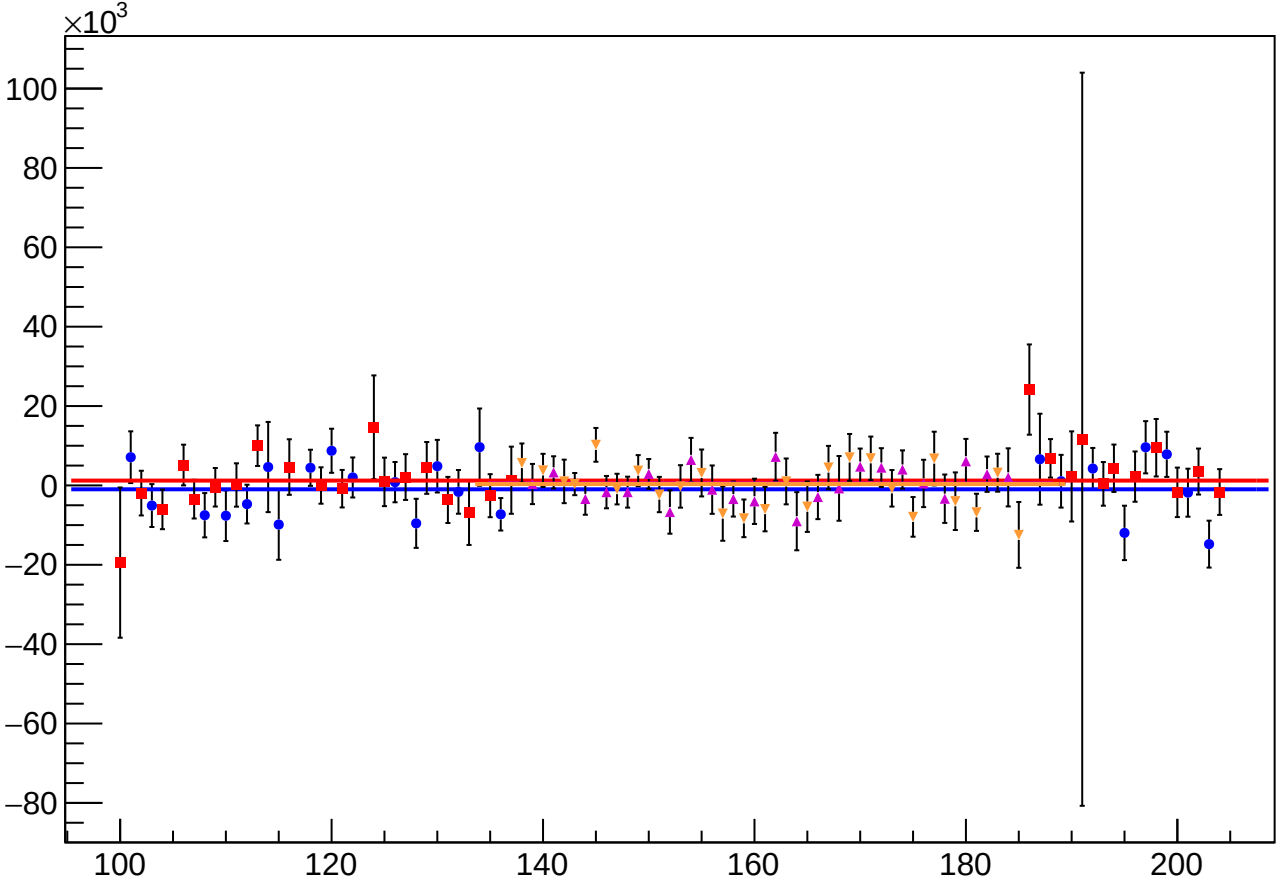
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4093.246+/-0.524 χ^2/NDF: 3621676.9/48

All: 4089.363+/-0.368 χ^2/NDF: 8066043.8/10

- sign 4085.603+/-0.516 χ^2/NDF: 4444259.0/52

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -977.578+/-1206.984 χ^2/NDF: 32.2/23

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1221.385+/-1111.844 χ^2/NDF: 19.9/29

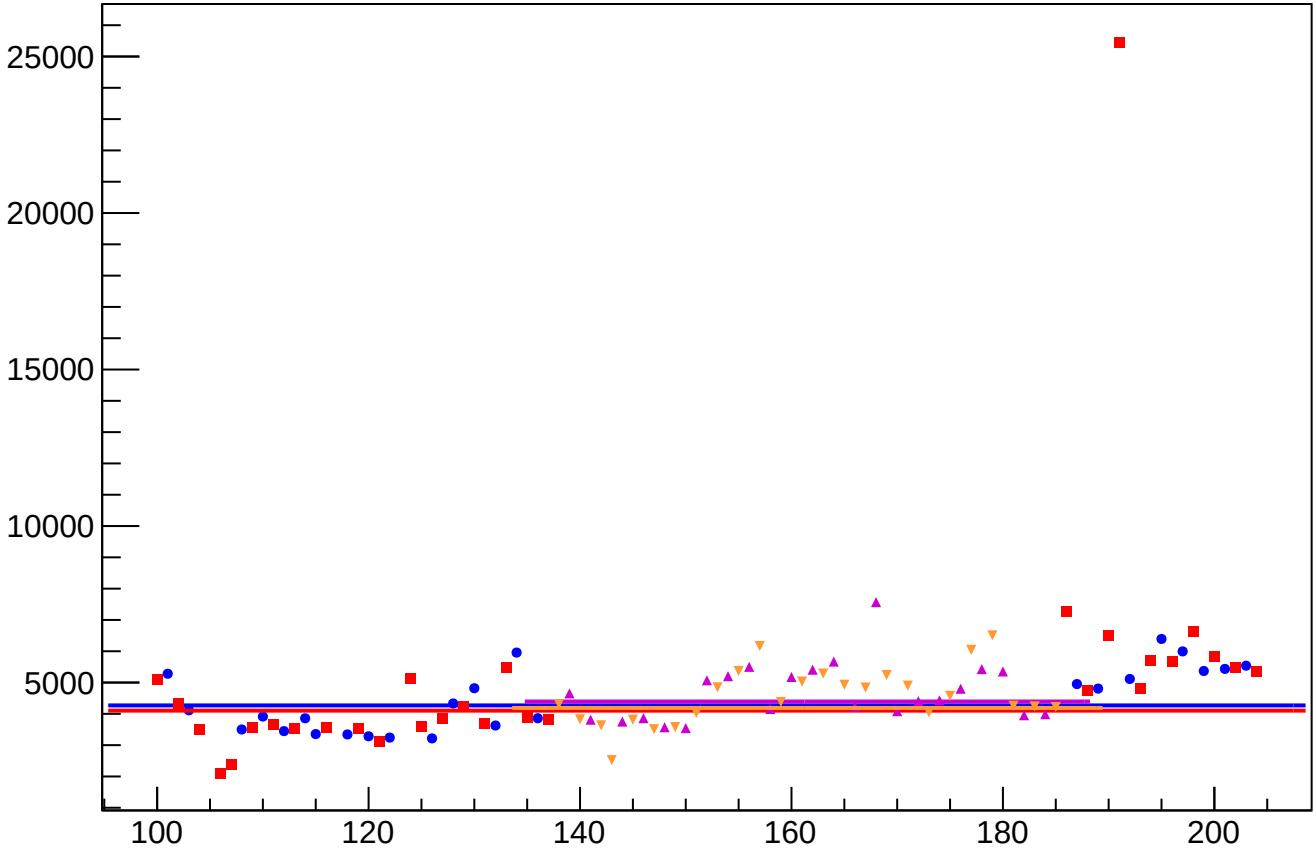
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign -169.828+/-760.734 χ^2/NDF: 60.6/48

All: 333.150+/-538.137 χ^2/NDF: 95.5/101

\- sign 836.940+/-761.348 χ^2/NDF: 34.0/52

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4269.266+/-0.853 χ^2/NDF: 1254986.0/23

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

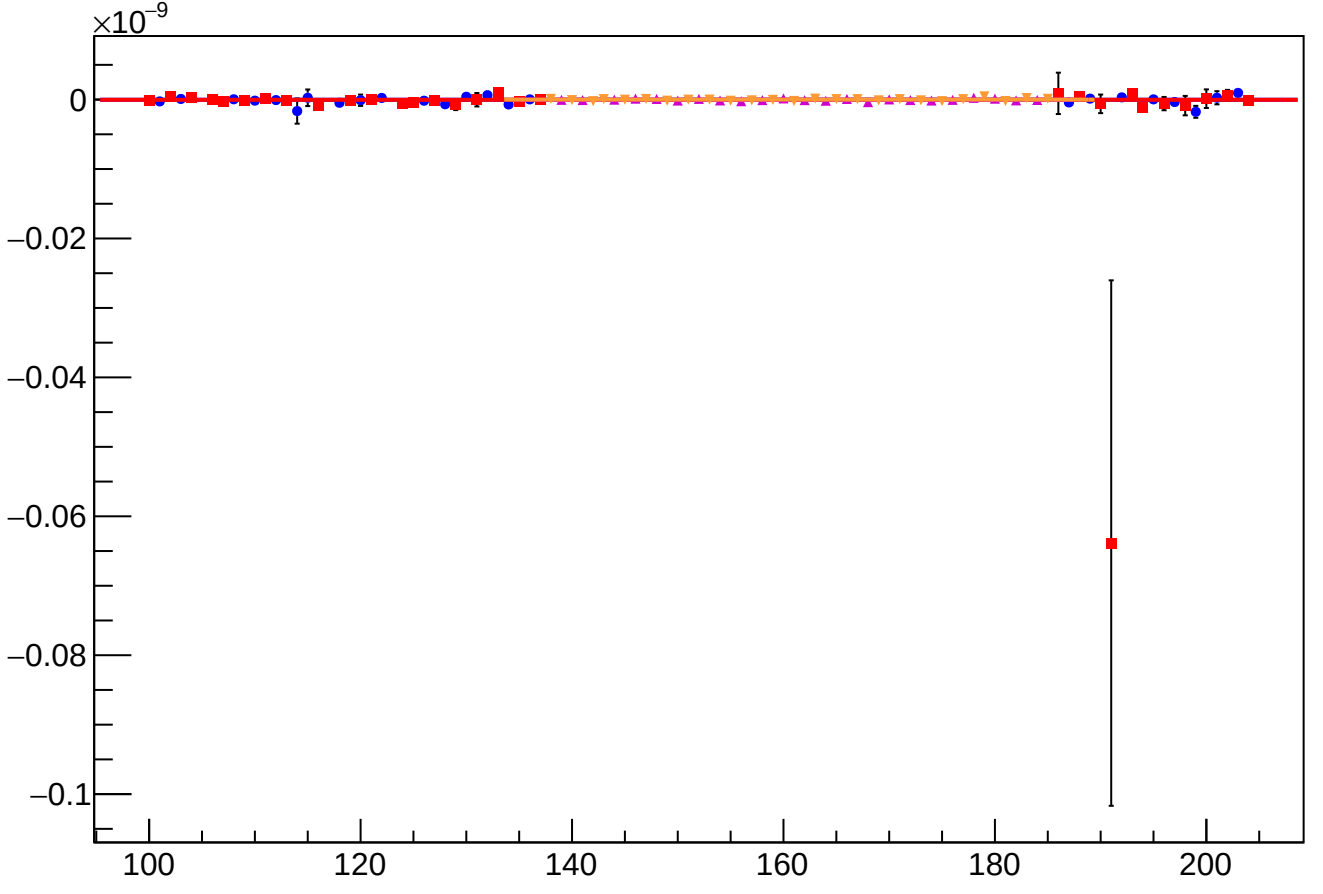
Right Out: 4102.774+/-0.779 χ^2/NDF: 2316402.5/29

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4220.192+/-0.538 χ^2/NDF: 3056817.3/48

All: 4238.277+/-0.380 χ^2/NDF: 6537645.7/10

- sign 4256.230+/-0.536 χ^2/NDF: 3478576.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

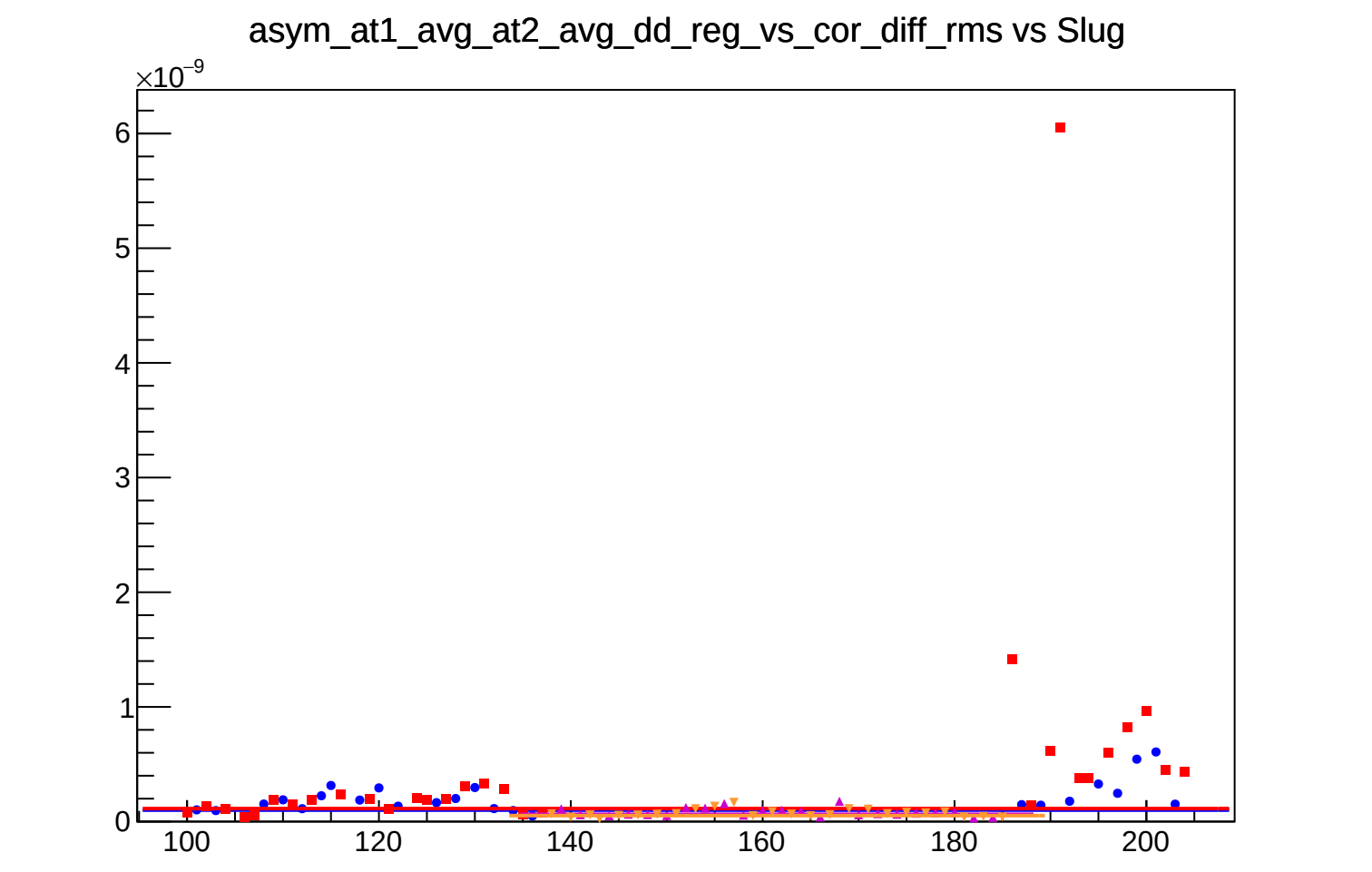
Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/29

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.4/48

All: -0.000+/-0.000 χ^2/NDF: 102.9/101

- sign -0.000+/-0.000 χ^2/NDF: 44.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 3122720.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

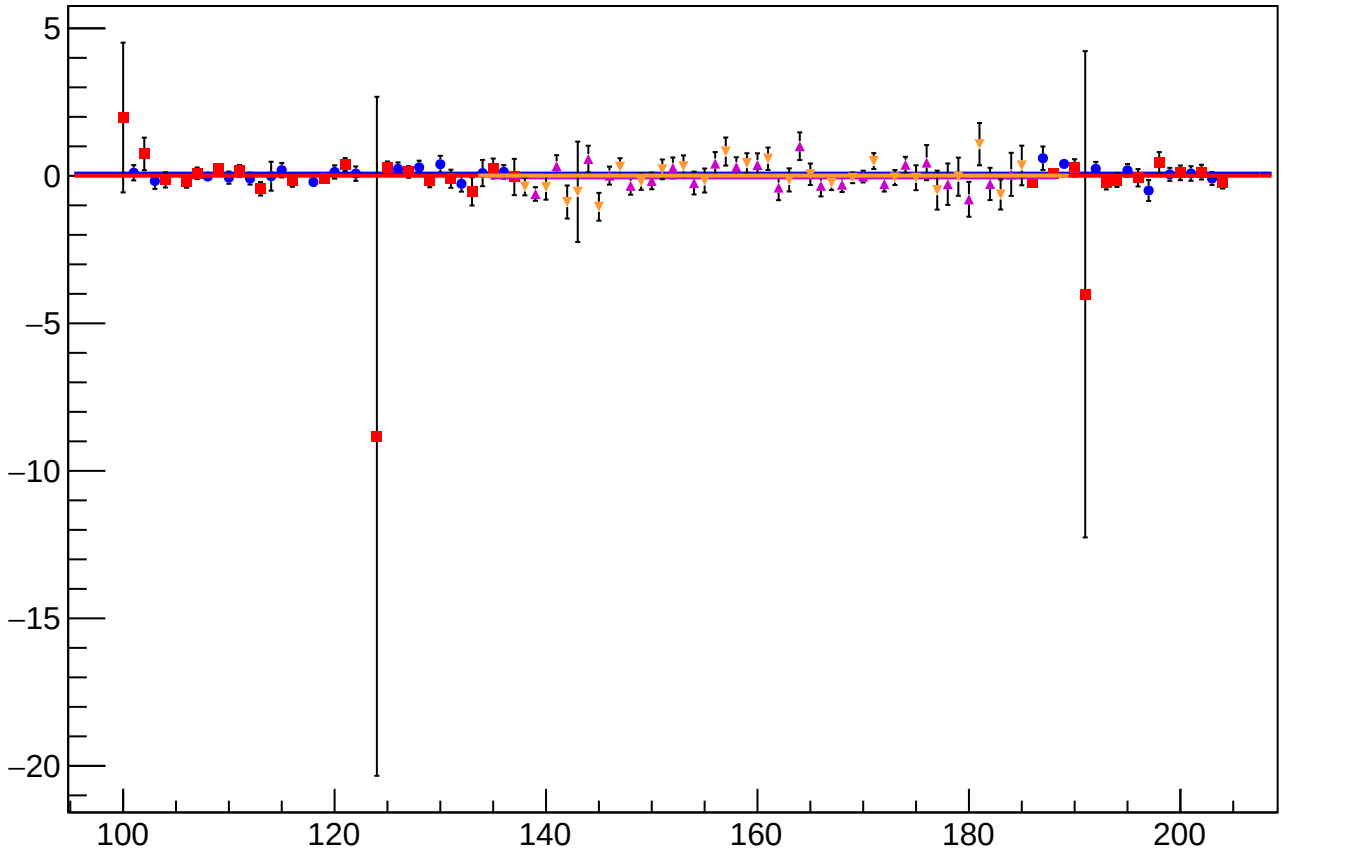
Right Out: 0.000+/-0.000 χ^2/NDF: 5888584.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7000268.9/48

All: 0.000+/-0.000 χ^2/NDF: 16105222.7/101

- sign 0.000+/-0.000 χ^2/NDF: 8809825.6/52



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

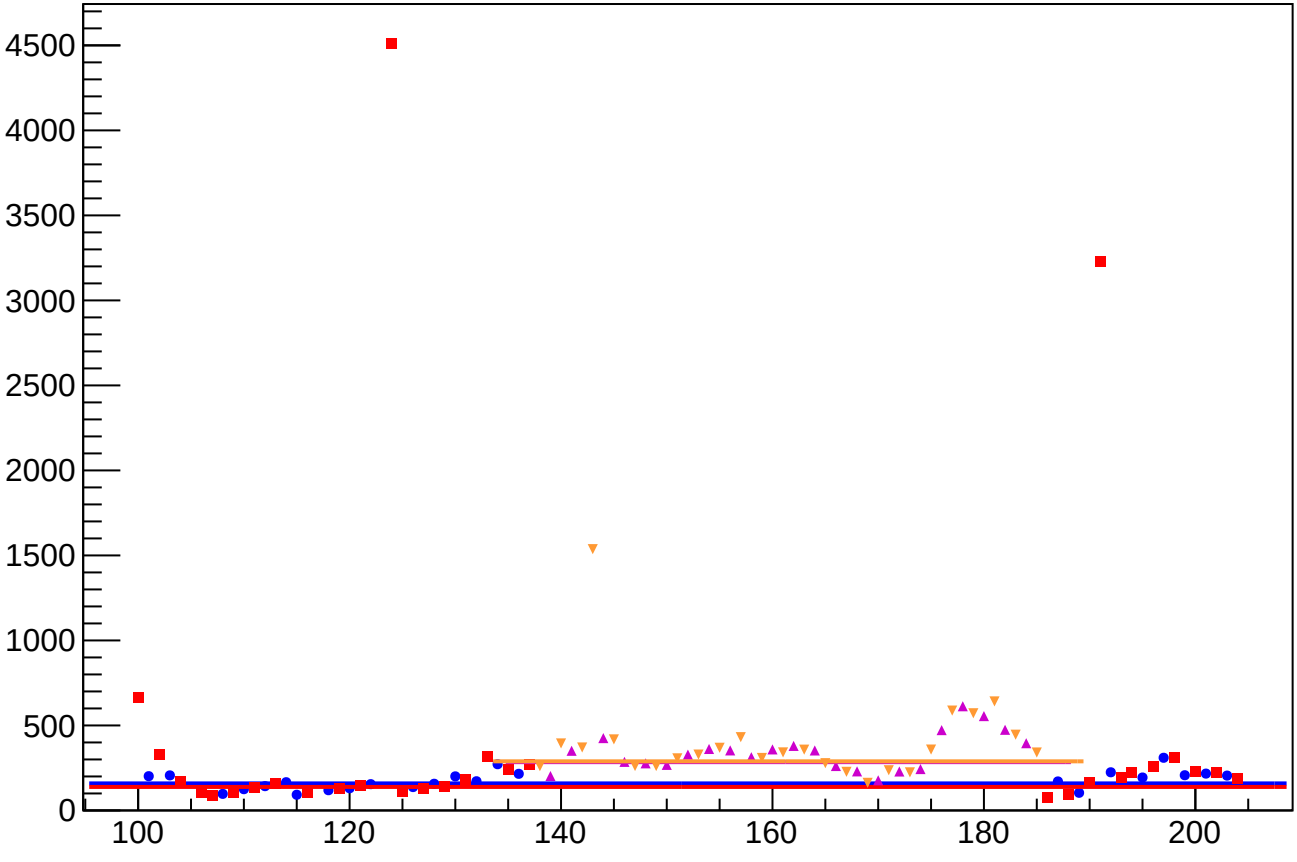
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.056+/-0.039 χ^2/NDF: 50.0/48

All: 0.019+/-0.026 χ^2/NDF: 110.4/101

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

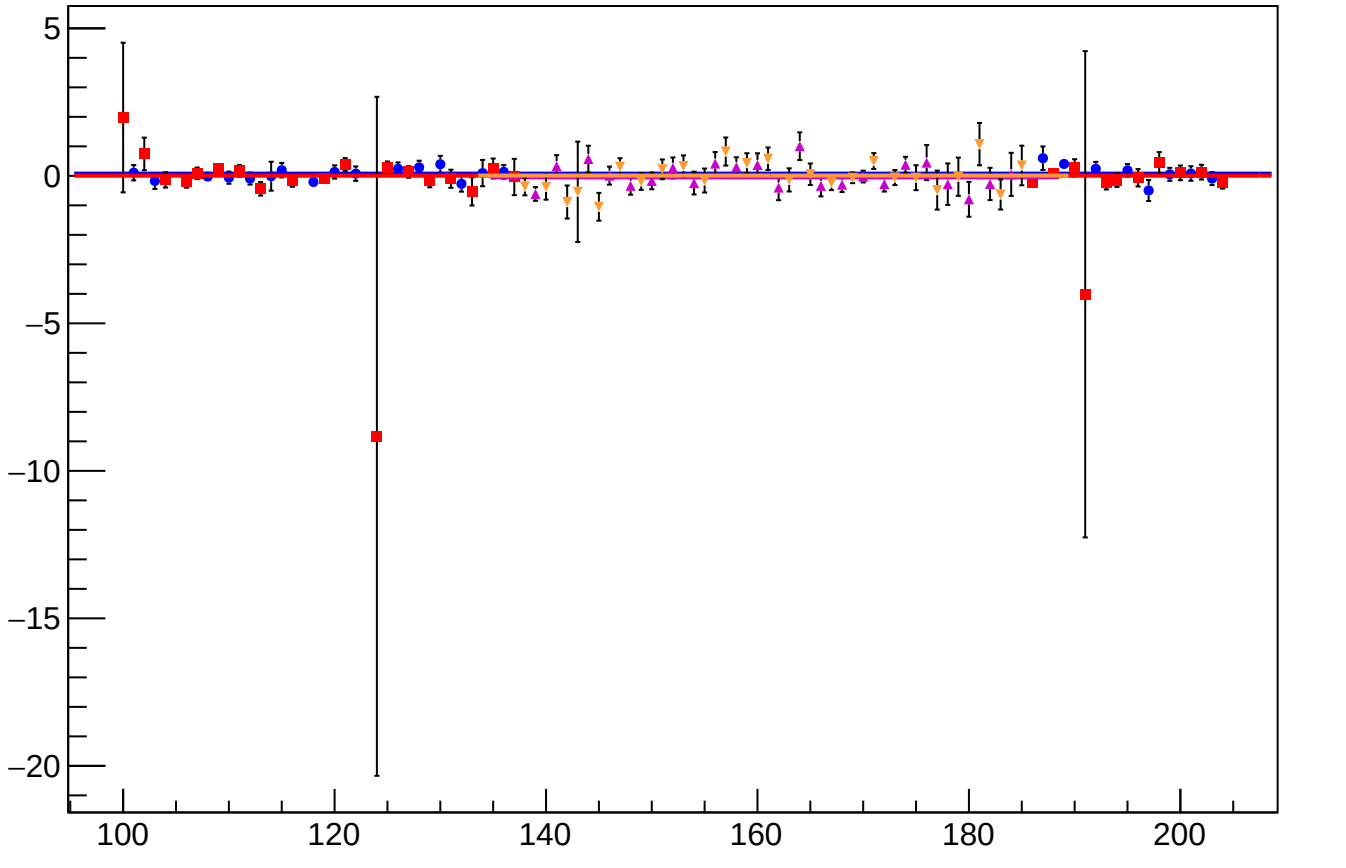
Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 198.480+/-0.028 χ^2/NDF: 11518994.8/48

All: 184.845+/-0.018 χ^2/NDF: 26171040.5/10

- sign 174.036+/-0.025 χ^2/NDF: 14216363.2/52



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

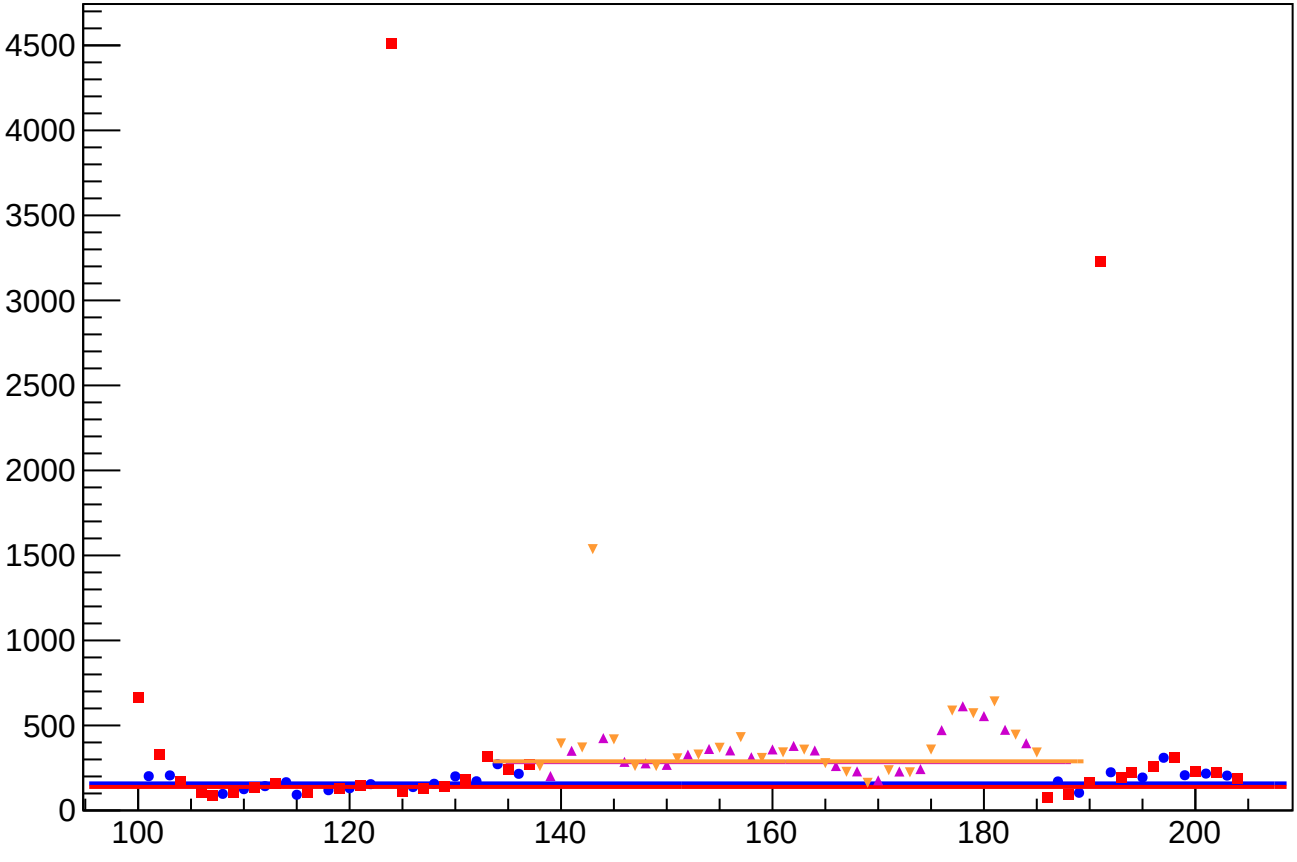
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.056+/-0.039 χ^2/NDF: 50.0/48

All: 0.019+/-0.026 χ^2/NDF: 110.4/101

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

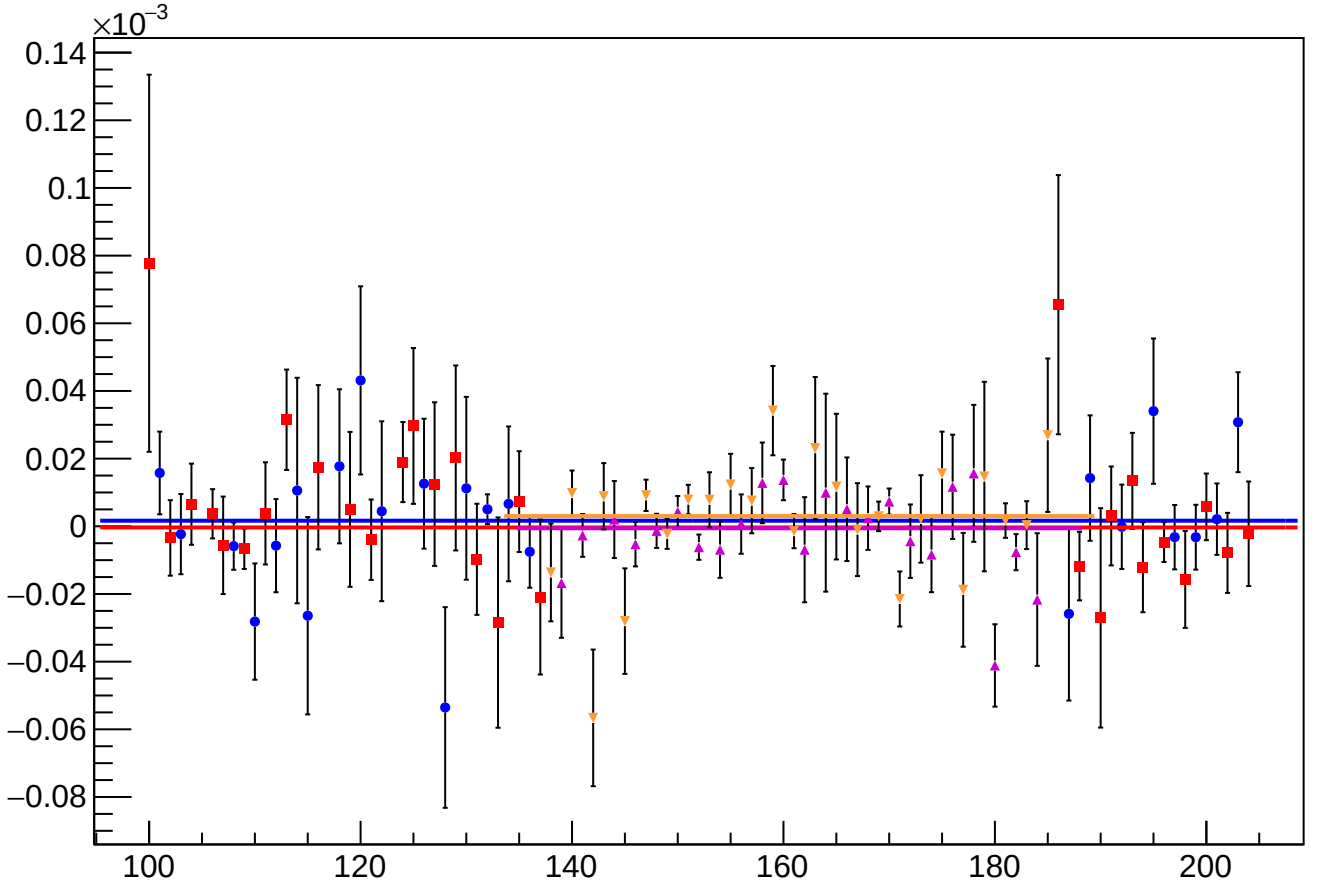
Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 198.480+/-0.028 χ^2/NDF: 11518994.8/48

All: 184.845+/-0.018 χ^2/NDF: 26171040.5/10

- sign 174.036+/-0.025 χ^2/NDF: 14216363.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

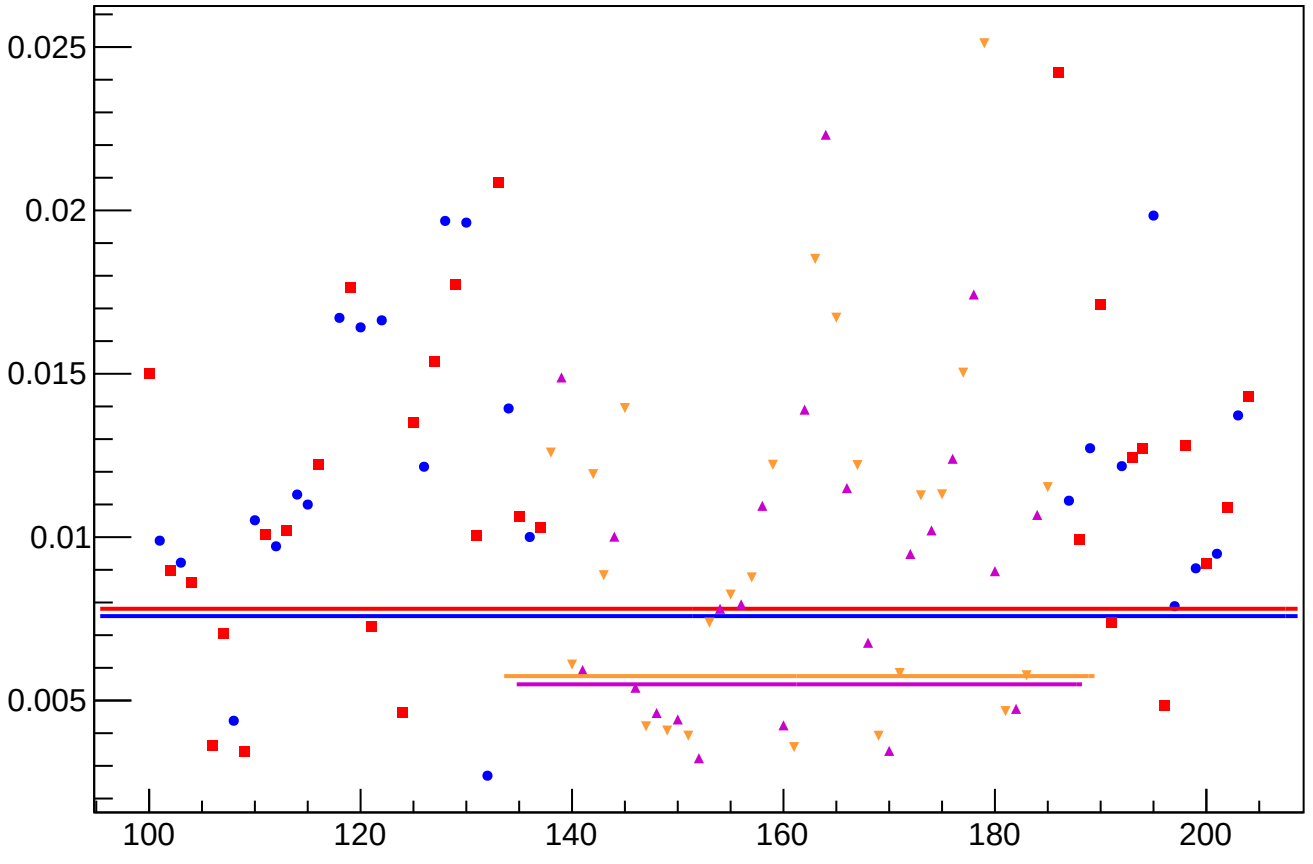
Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/29

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.7/48

All: 0.000+/-0.000 χ^2/NDF: 127.8/101

- sign -0.000+/-0.000 χ^2/NDF: 59.1/52



Right In: 0.008+/-0.000 χ^2/NDF: 6556165.2/23

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

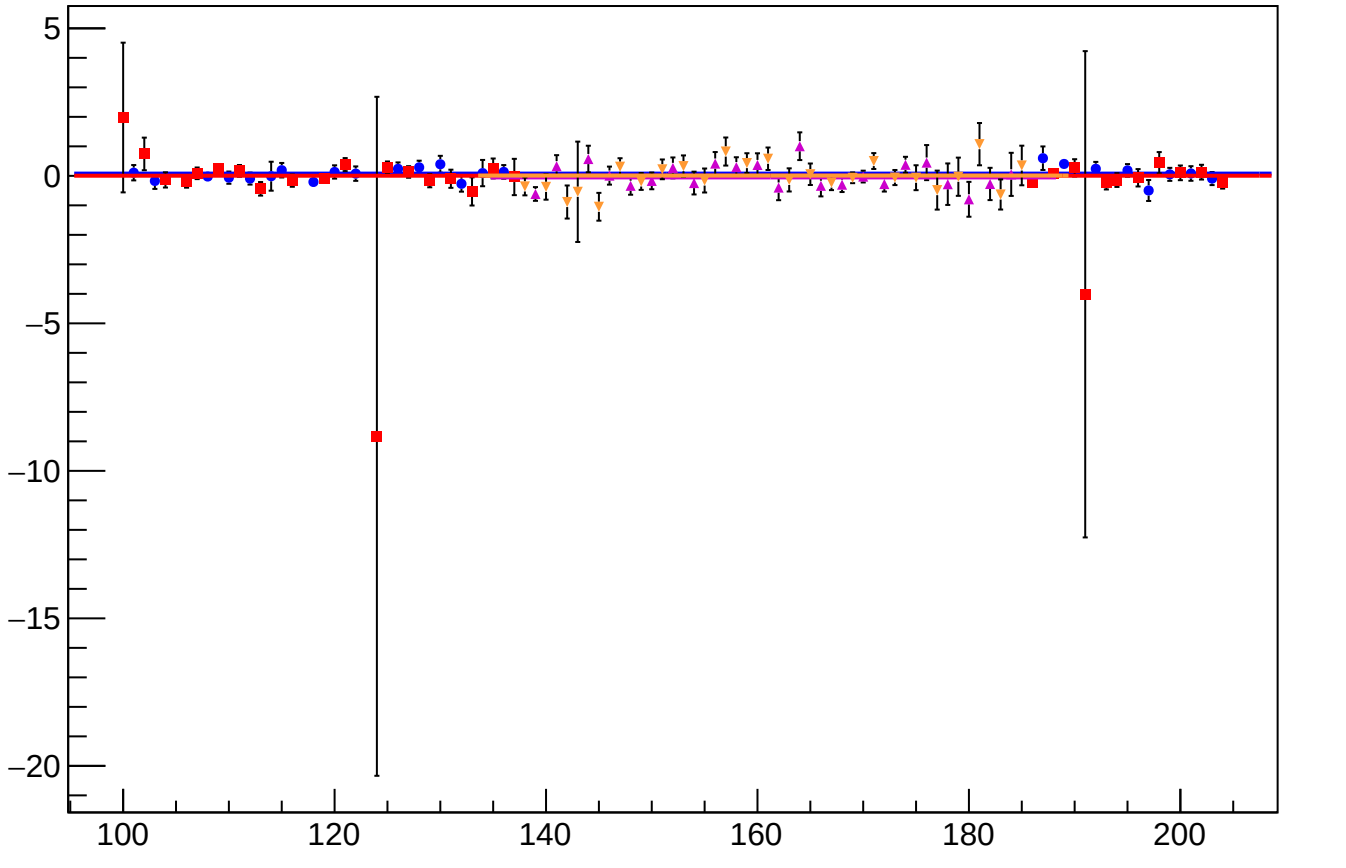
Right Out: 0.008+/-0.000 χ^2/NDF: 5952829.2/29

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 15490234.7/48

All: 0.006+/-0.000 χ^2/NDF: 29807521.8/101

- sign 0.006+/-0.000 χ^2/NDF: 14315679.1/52



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

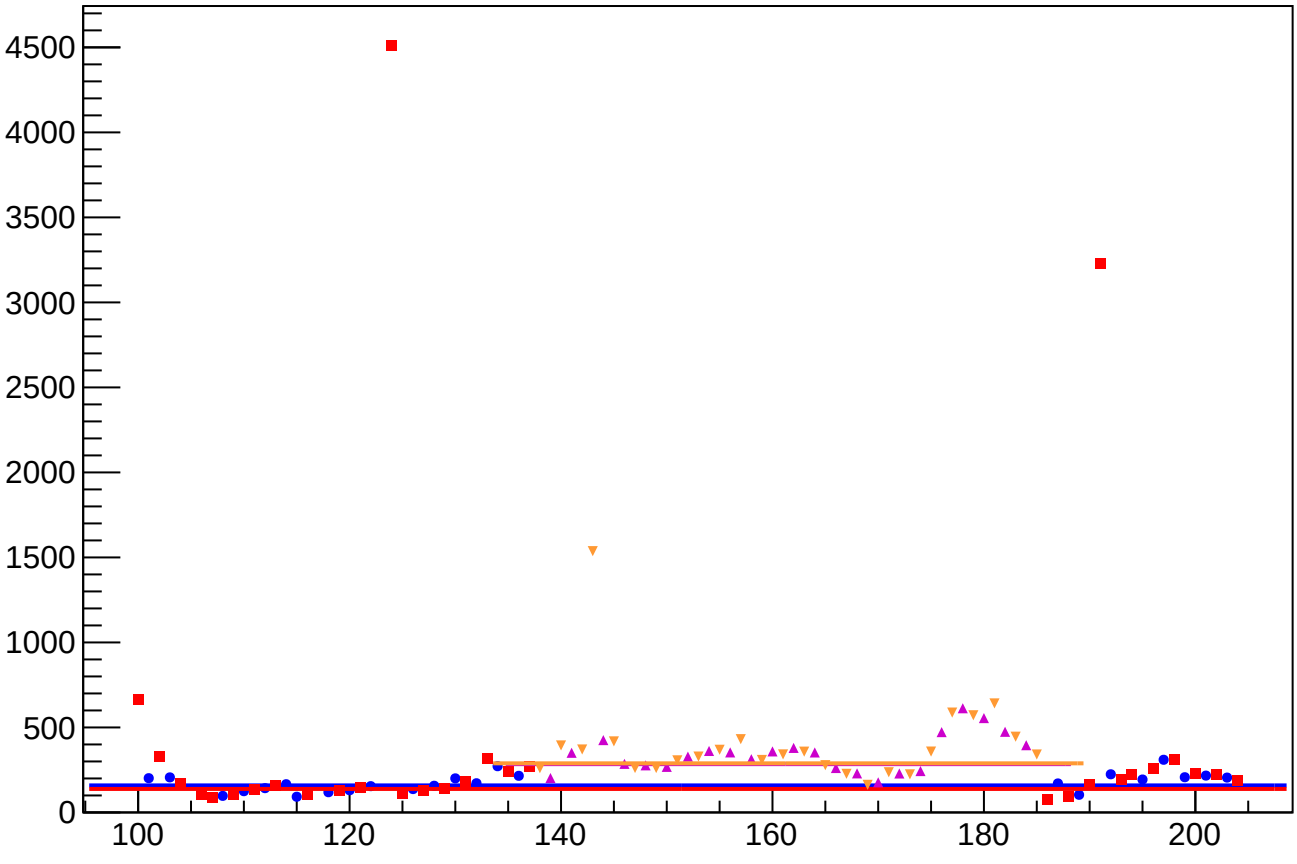
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.056+/-0.039 χ^2/NDF: 50.0/48

All: 0.019+/-0.026 χ^2/NDF: 110.4/101

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

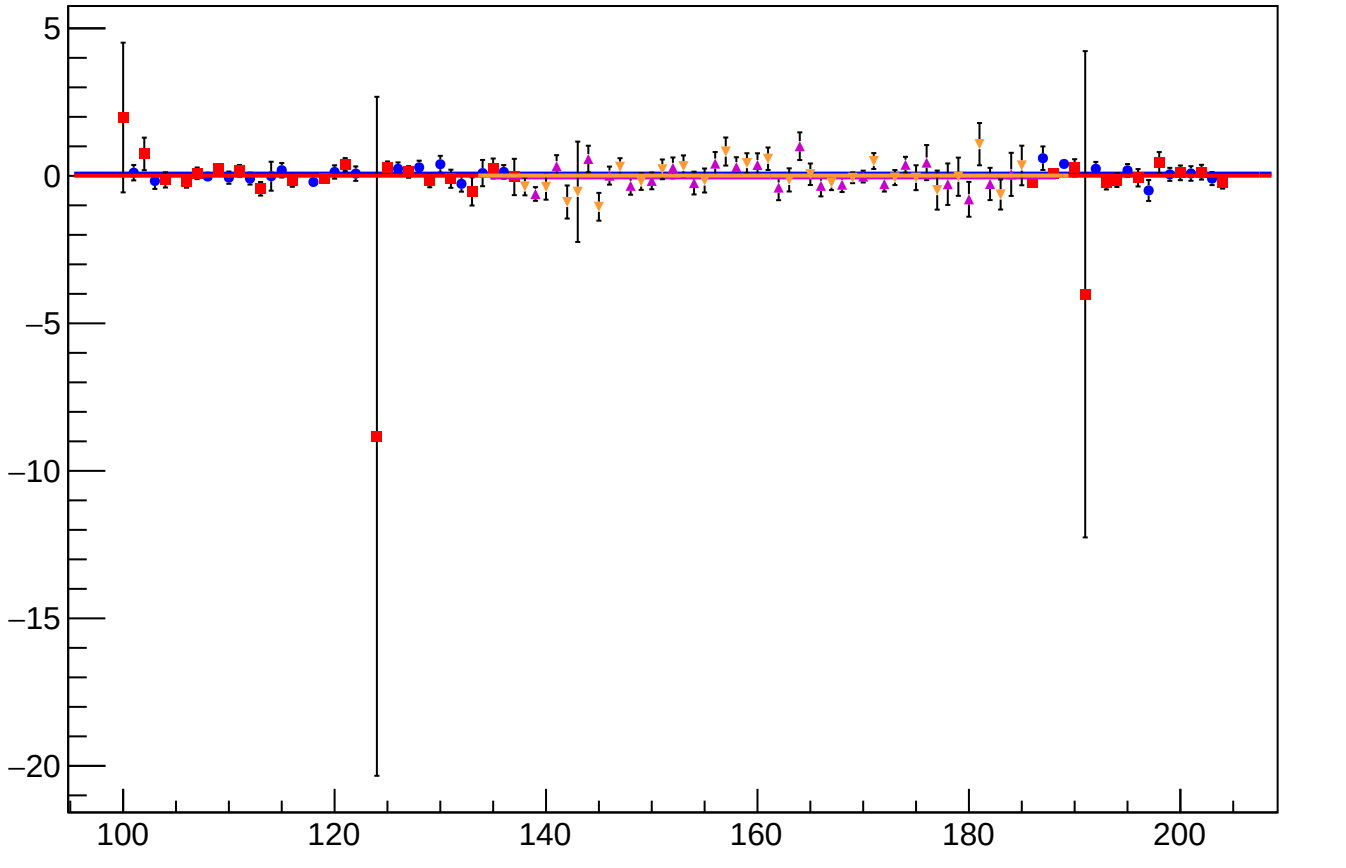
Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 198.480+/-0.028 χ^2/NDF: 11519217.1/48

All: 184.846+/-0.018 χ^2/NDF: 26170986.2/10

- sign 174.038+/-0.025 χ^2/NDF: 14216176.2/52



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

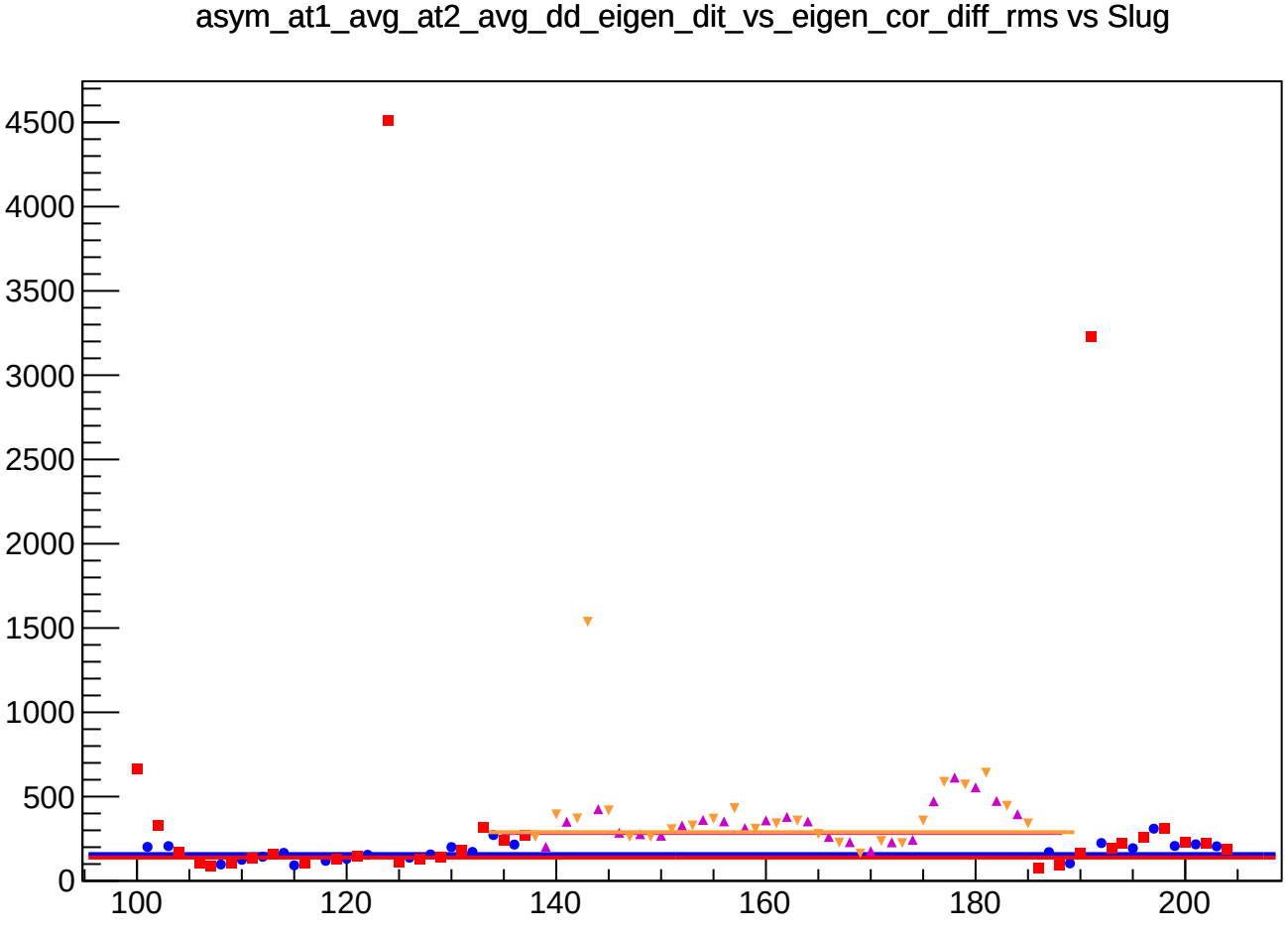
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.056+/-0.039 χ^2/NDF: 50.0/48

All: 0.019+/-0.026 χ^2/NDF: 110.4/101

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

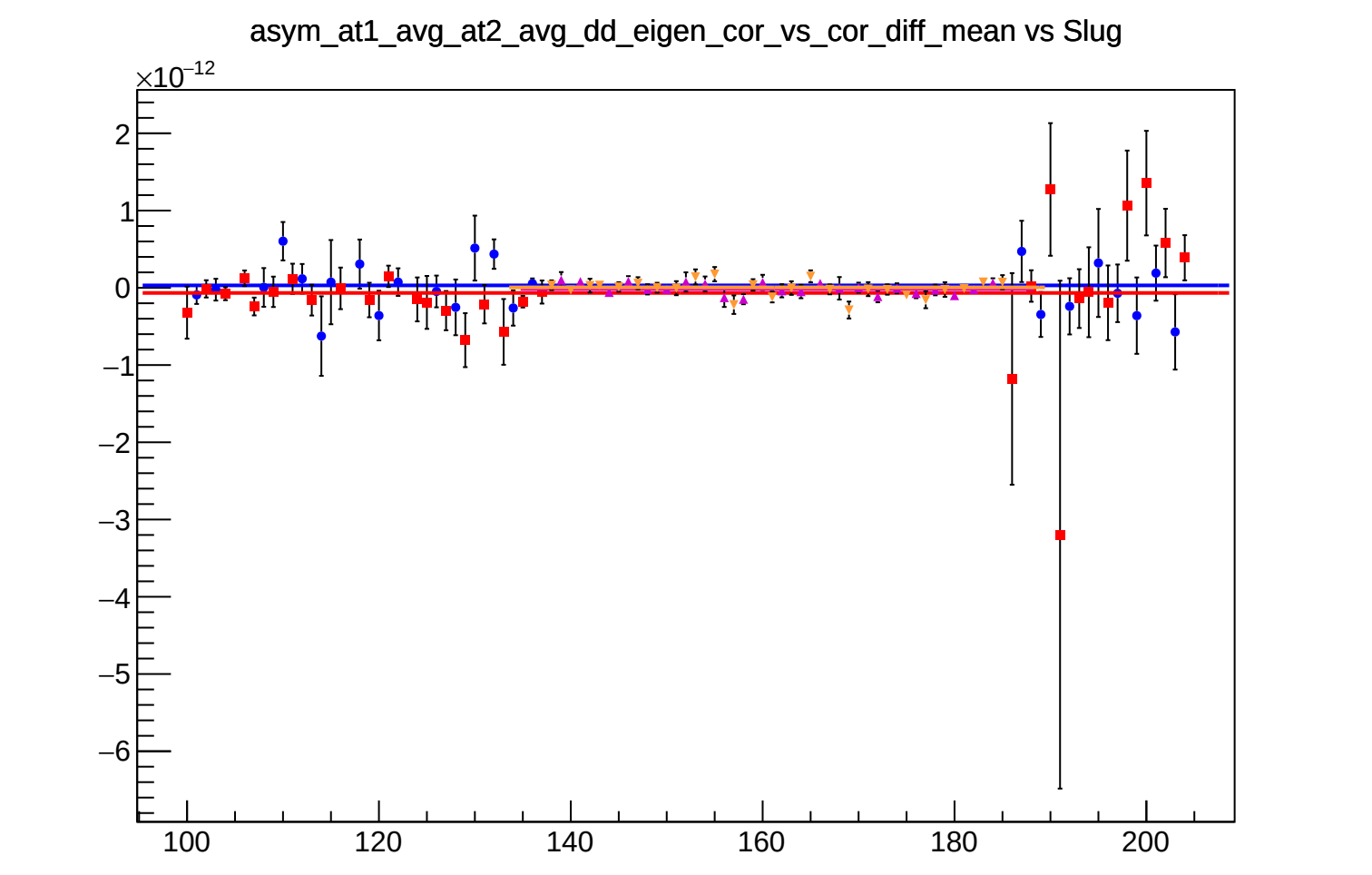
Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 198.480+/-0.028 χ^2/NDF: 11519217.1/48

All: 184.846+/-0.018 χ^2/NDF: 26170986.2/10

- sign 174.038+/-0.025 χ^2/NDF: 14216176.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

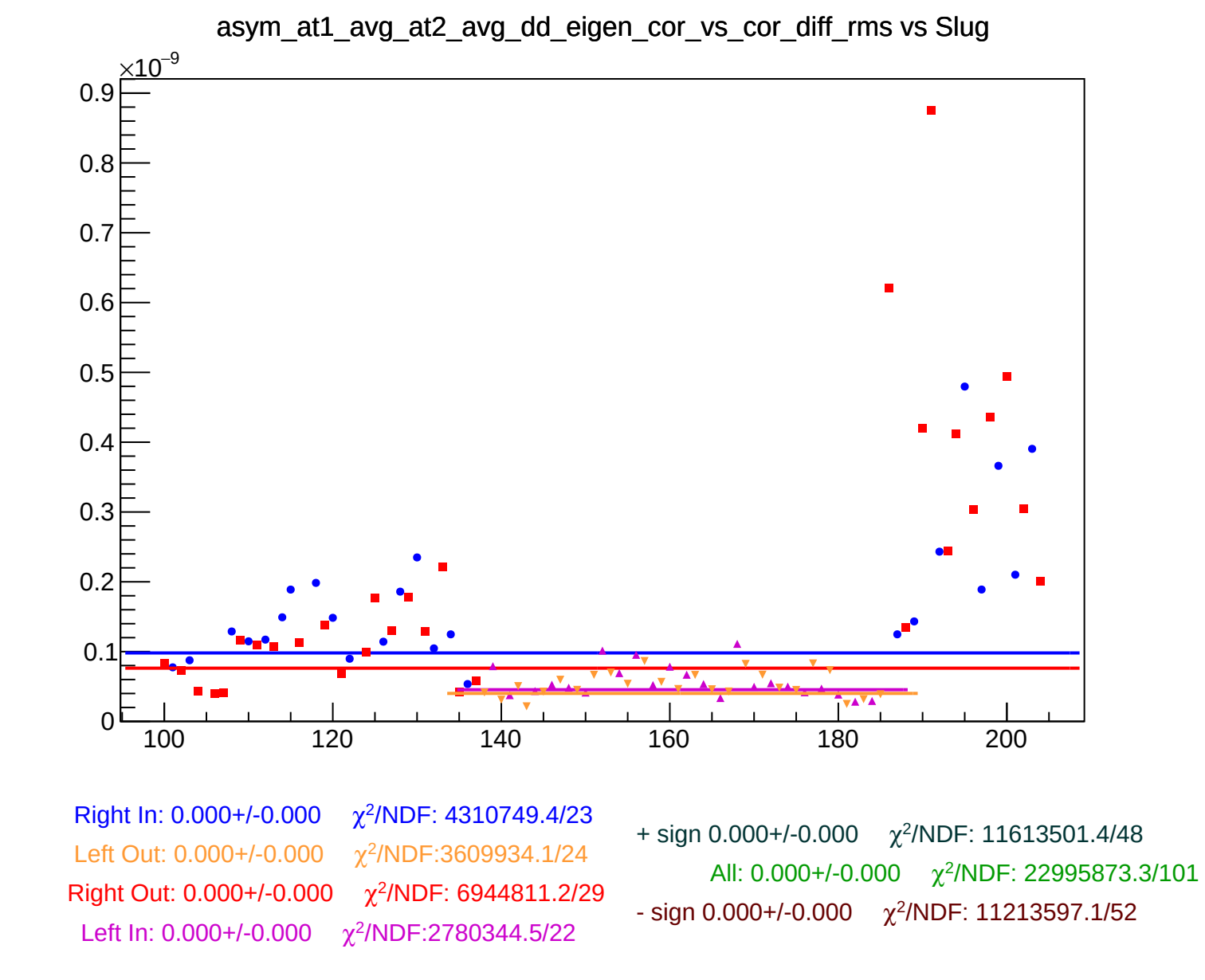
Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/29

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

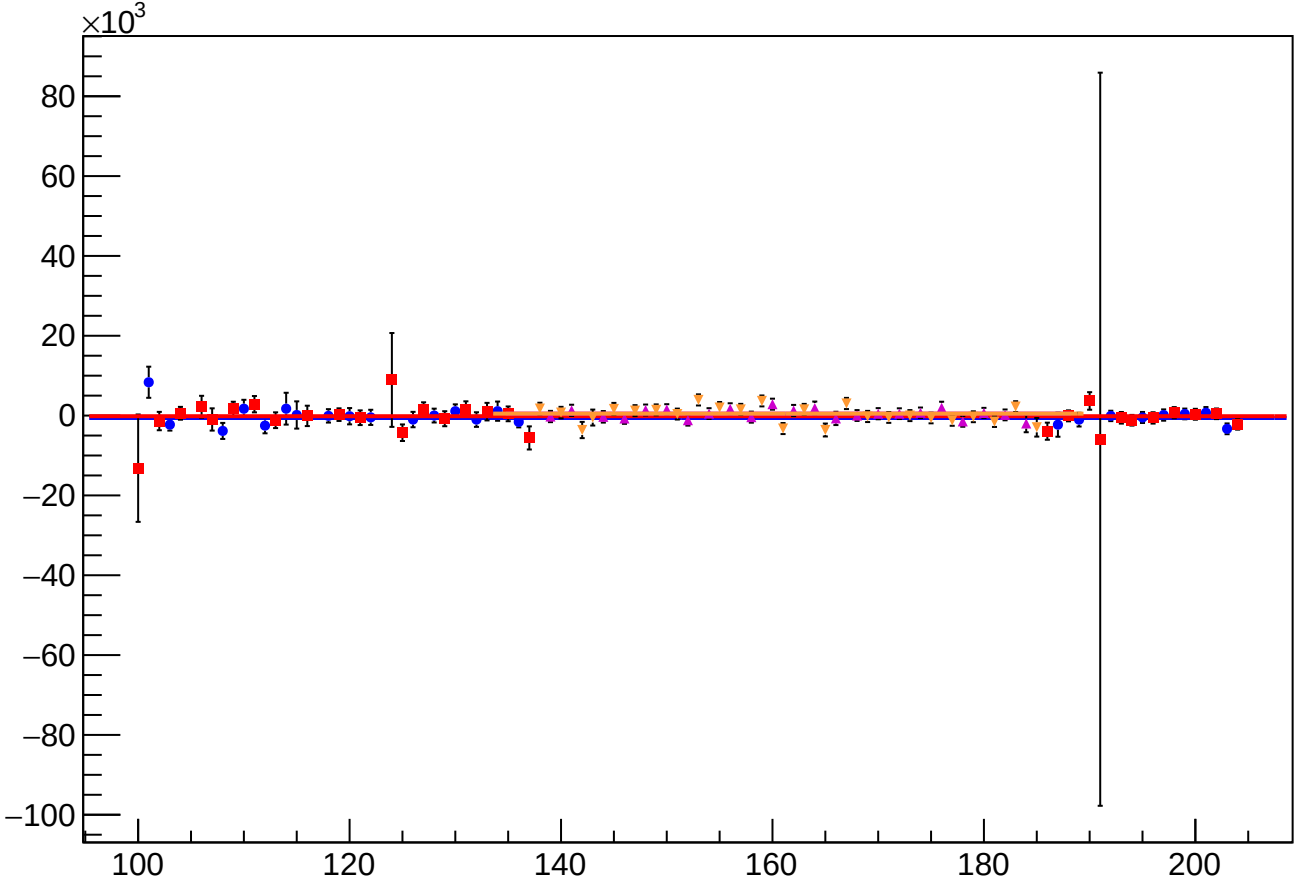
+ sign 0.000+/-0.000 χ^2/NDF: 59.6/48

All: -0.000+/-0.000 χ^2/NDF: 122.2/101

- sign -0.000+/-0.000 χ^2/NDF: 59.6/52


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4310749.4/23
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 6944811.2/29
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 11613501.4/48
All: 0.000+/-0.000 χ²/NDF: 22995873.3/101
- sign 0.000+/-0.000 χ²/NDF: 11213597.1/52

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -598.215+/-357.099 χ^2/NDF: 20.2/23

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -157.833+/-336.785 χ^2/NDF: 25.7/29

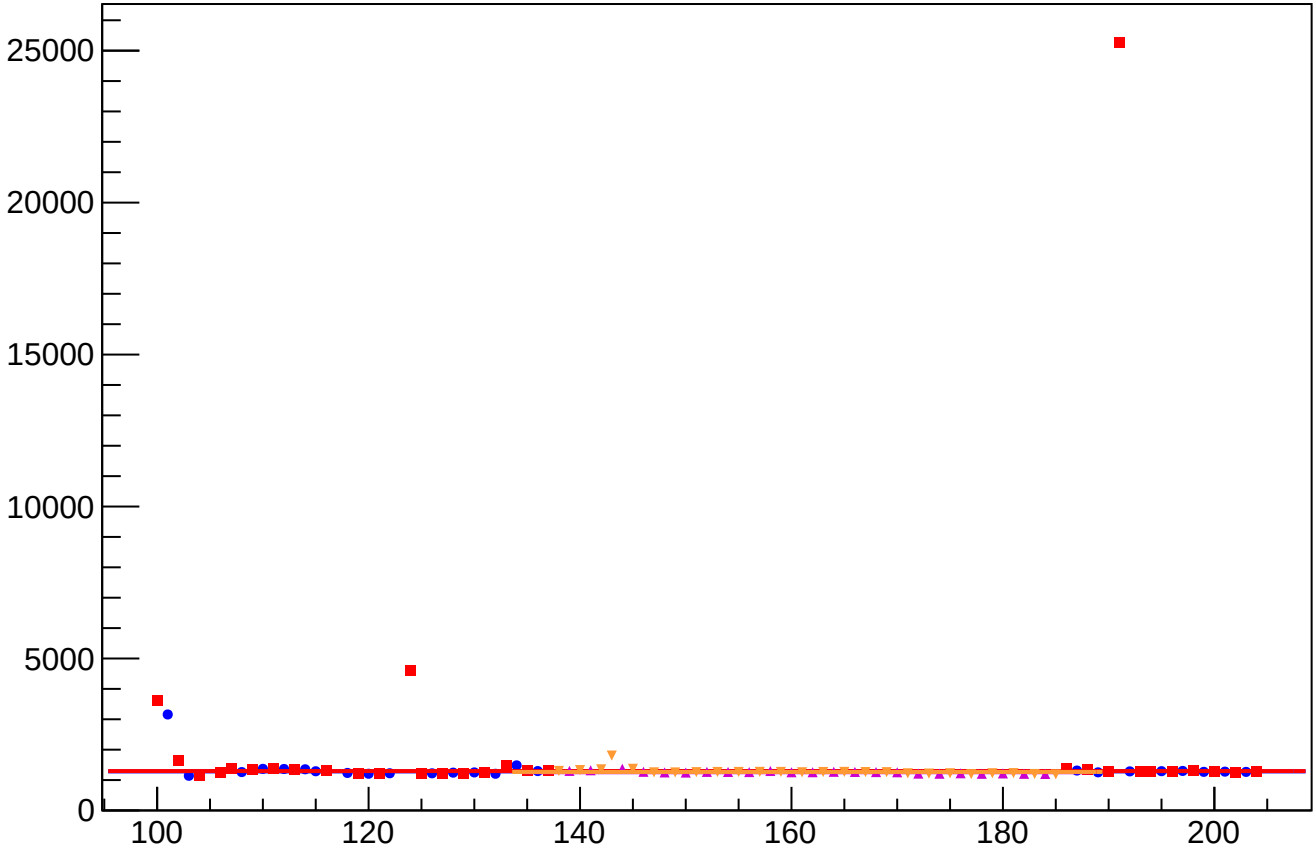
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 61.488+/-224.411 χ^2/NDF: 72.7/48

All: 135.875+/-157.601 χ^2/NDF: 115.2/101

- sign 208.269+/-221.382 χ^2/NDF: 42.2/52

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1285.301+/-0.253 χ^2/NDF: 516525.6/23

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

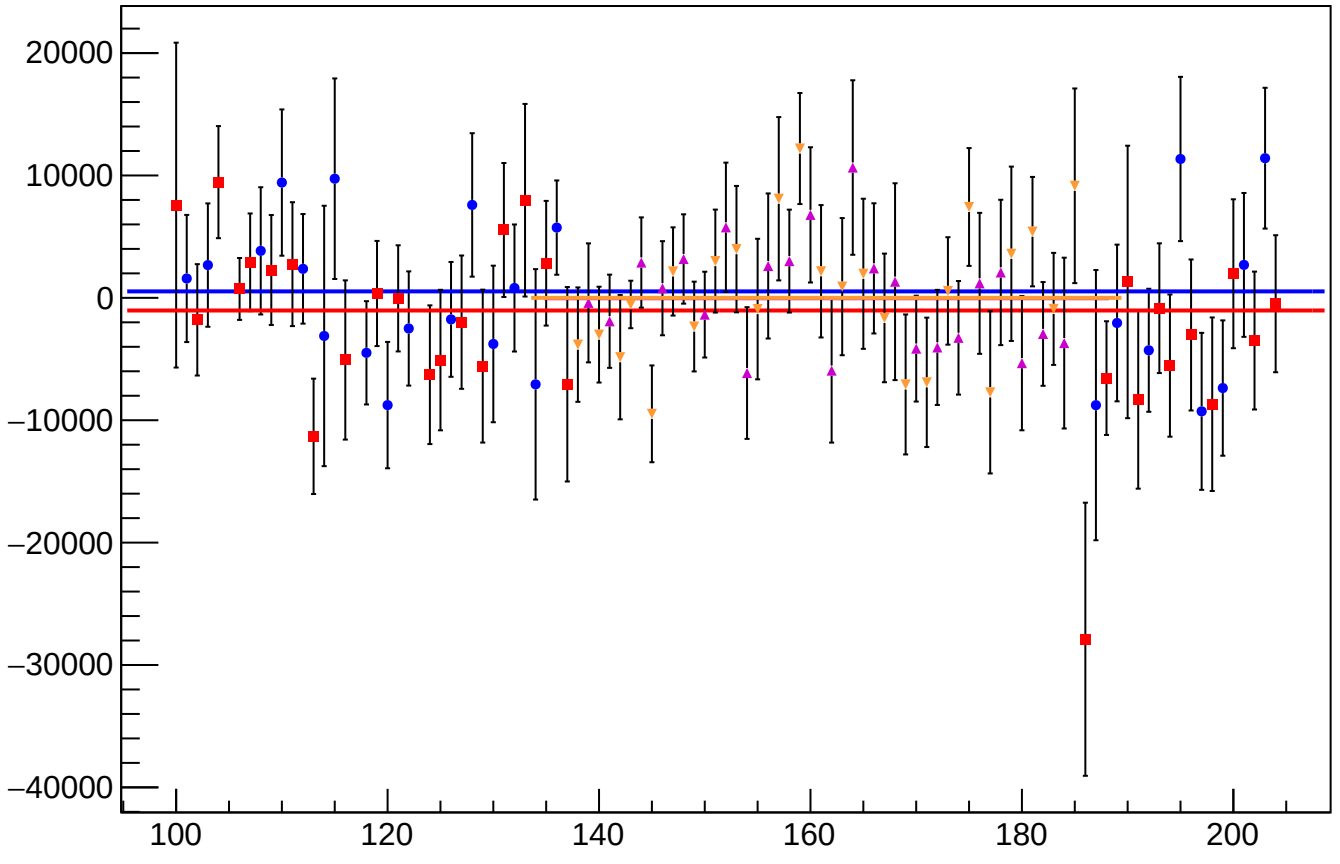
Right Out: 1295.521+/-0.238 χ^2/NDF: 468116.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.208+/-0.159 χ^2/NDF: 707260.8/48

All: 1274.093+/-0.111 χ^2/NDF: 1226652.1/10

- sign 1273.981+/-0.156 χ^2/NDF: 519390.2/52



Right In: 528.534+/-1132.348 χ^2/NDF: 26.6/23

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

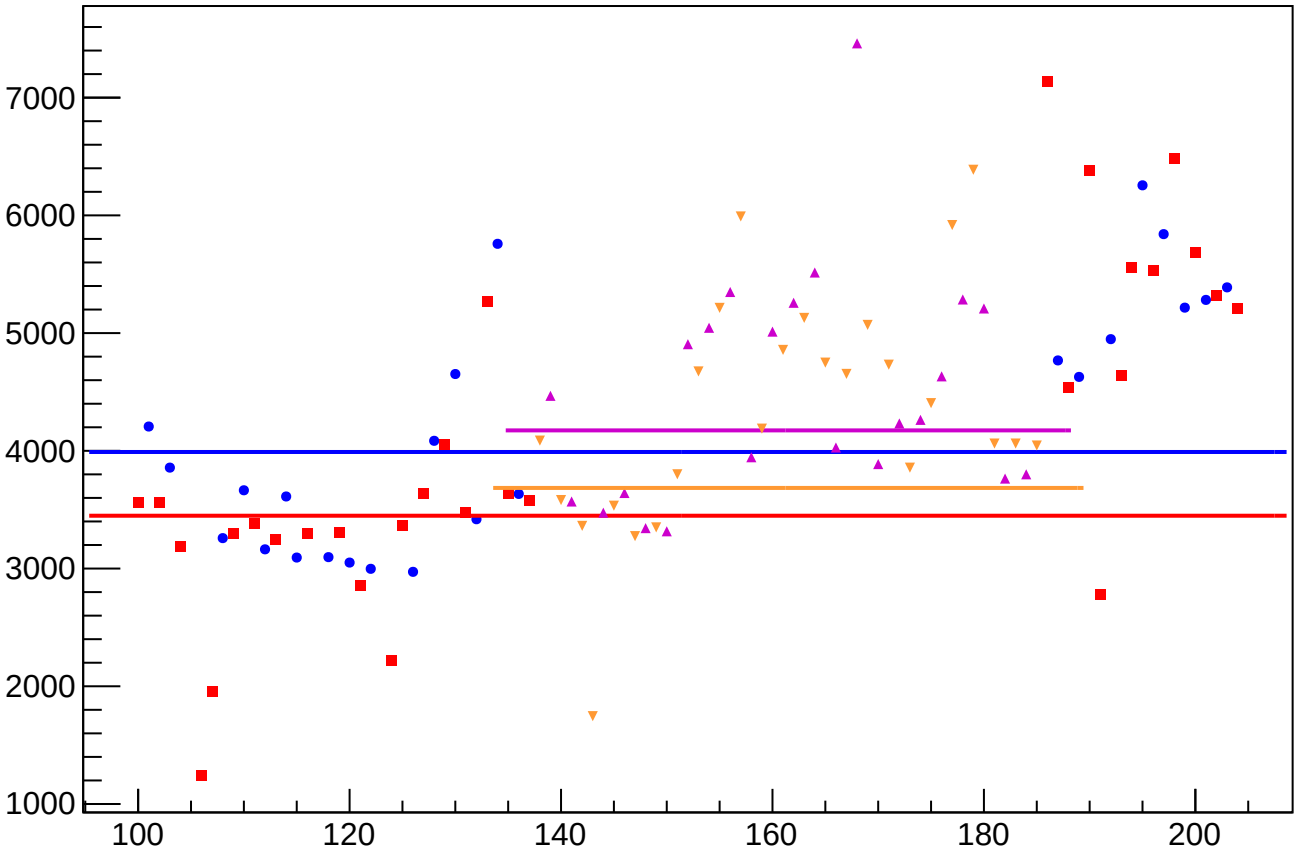
Right Out: -1033.051+/-956.478 χ^2/NDF: 29.9/29

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 200.466+/-698.023 χ^2/NDF: 55.8/48

All: -180.430+/-490.595 χ^2/NDF: 100.8/101

- sign -552.258+/-689.664 χ^2/NDF: 44.5/52



Right In: 3990.167+/-0.801 χ^2/NDF: 1429193.0/23

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

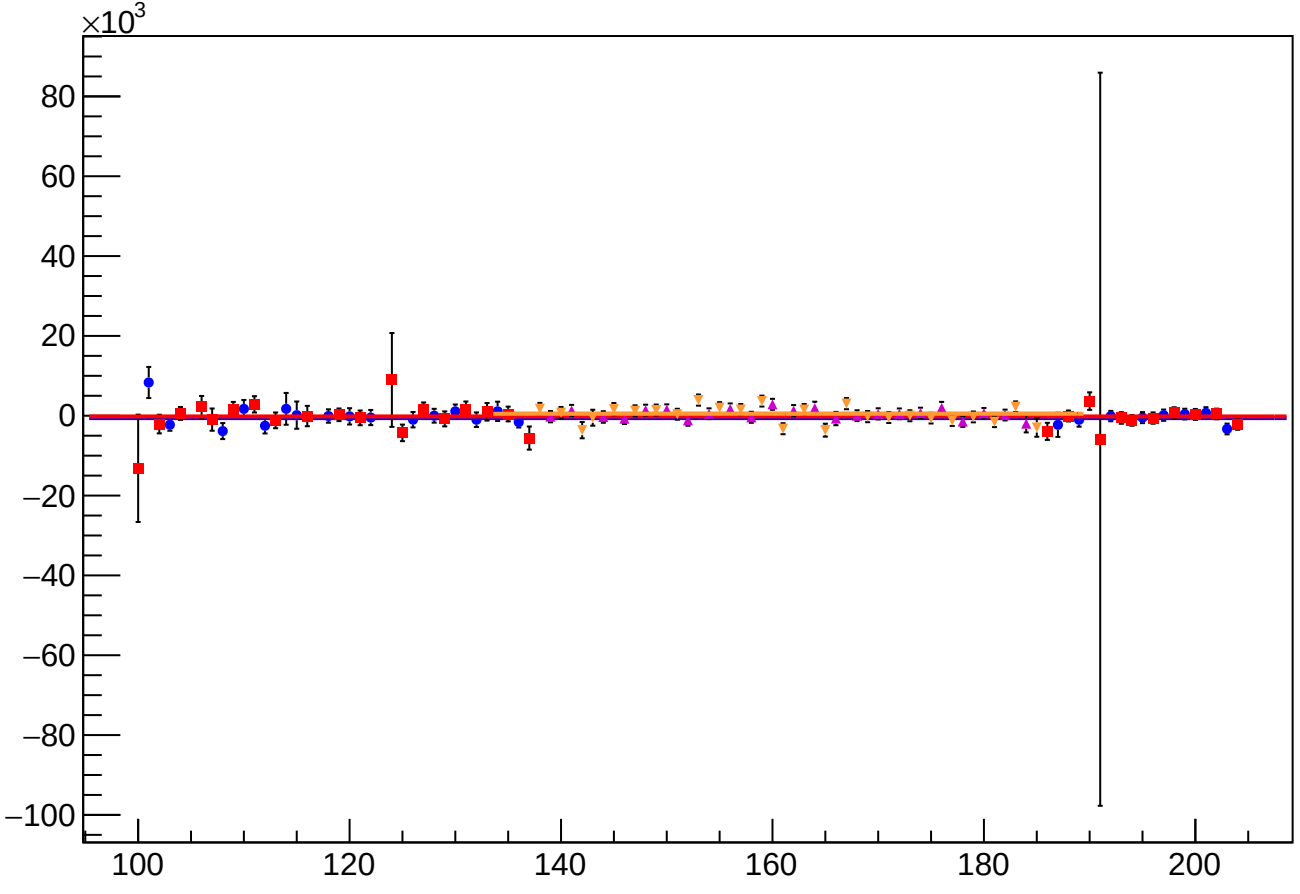
Right Out: 3448.723+/-0.676 χ^2/NDF: 4215986.4/29

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3800.819+/-0.494 χ^2/NDF: 5213037.9/48

All: 3798.740+/-0.347 χ^2/NDF: 11255447.4/1

\- sign 3796.710+/-0.488 χ^2/NDF: 6042374.4/52



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -171.779+/-336.892 χ^2/NDF: 26.1/29

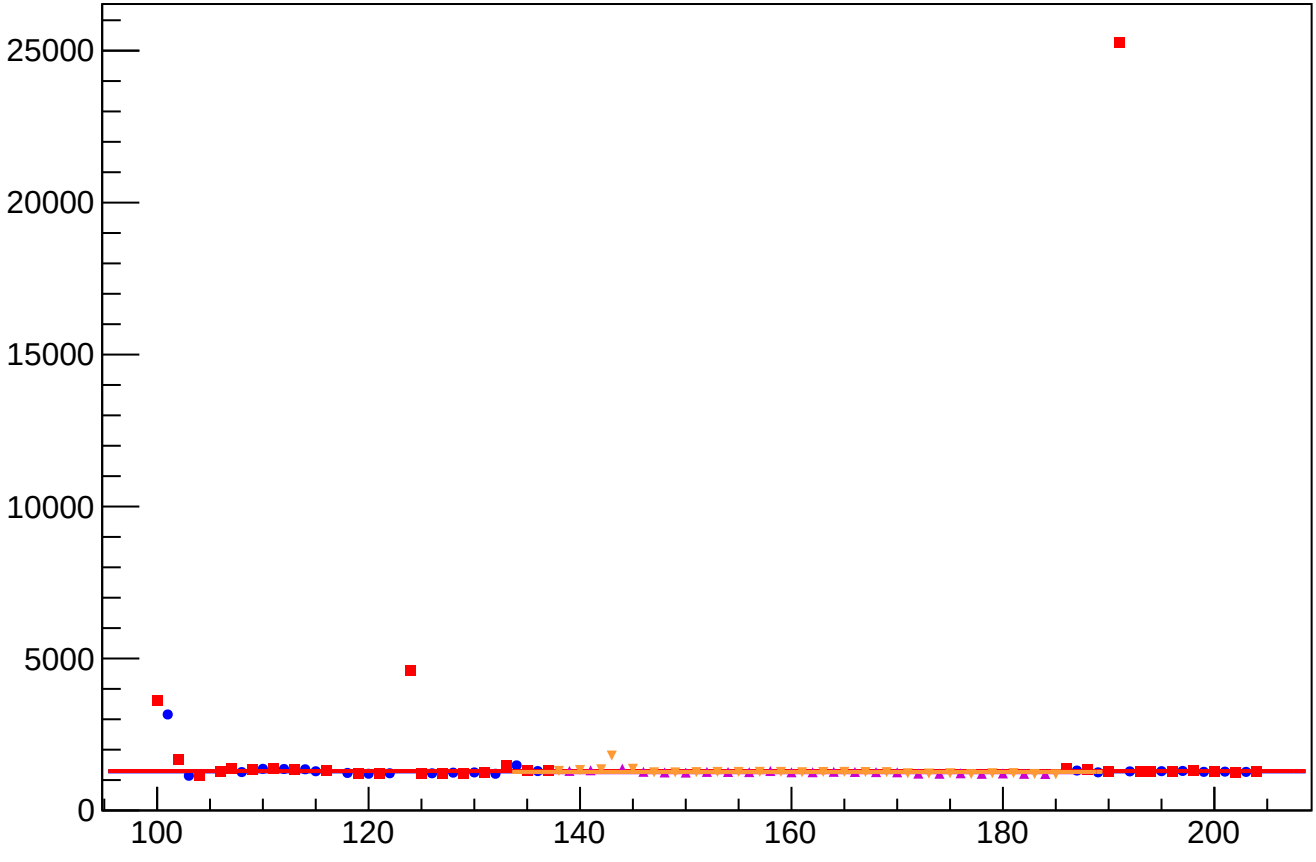
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.429+/-224.411 χ^2/NDF: 72.7/48

All: 132.806+/-157.612 χ^2/NDF: 115.6/101

- sign 202.287+/-221.413 χ^2/NDF: 42.7/52

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

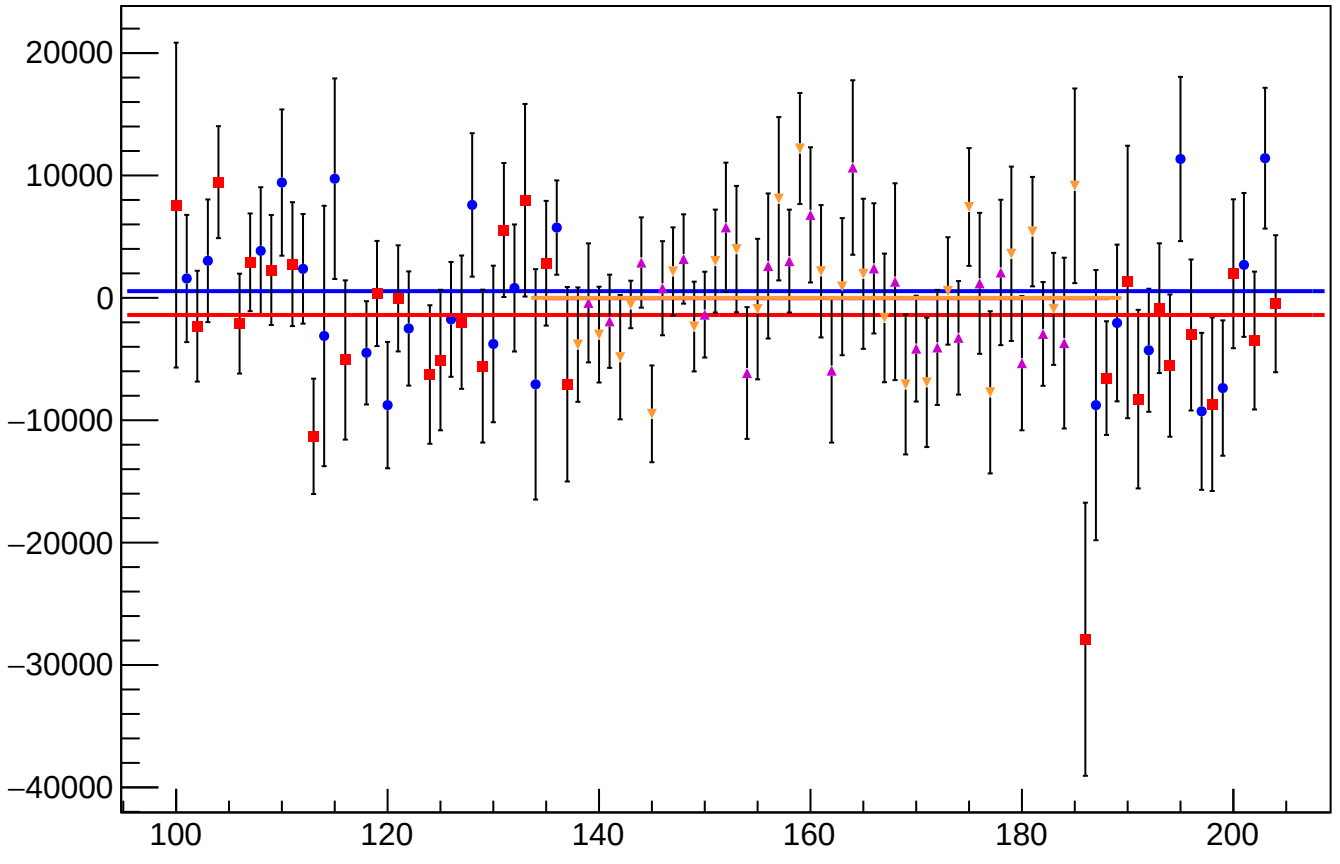
Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.208+/-0.159 χ^2/NDF: 707262.2/48

All: 1274.298+/-0.111 χ^2/NDF: 1234042.6/10

- sign 1274.385+/-0.157 χ^2/NDF: 526779.8/52



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: -1398.163+/-1001.314 χ^2/NDF: 29.4/29

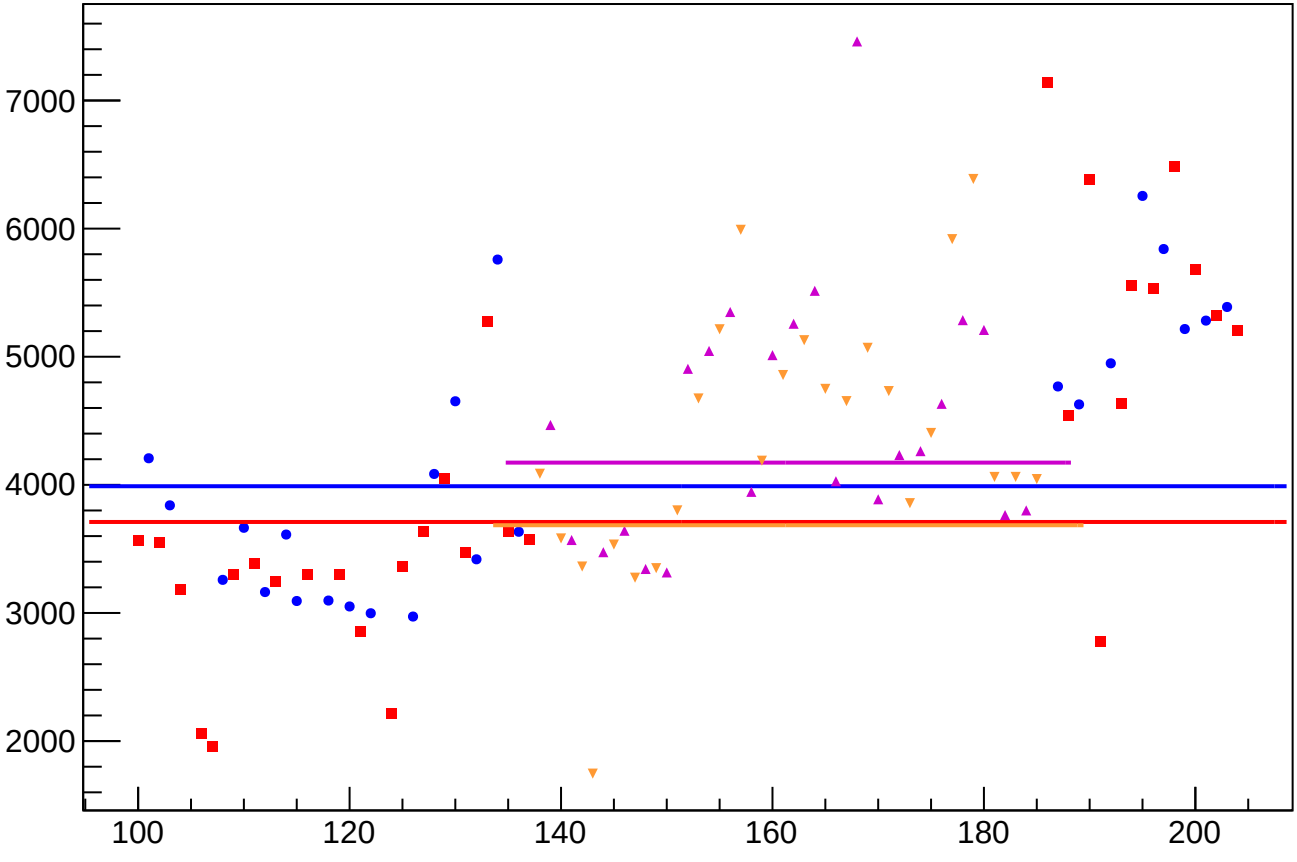
Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 207.773+/-697.956 χ^2/NDF: 55.8/48

All: -246.303+/-496.320 χ^2/NDF: 101.1/101

- sign -710.796+/-705.917 χ^2/NDF: 44.4/52

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

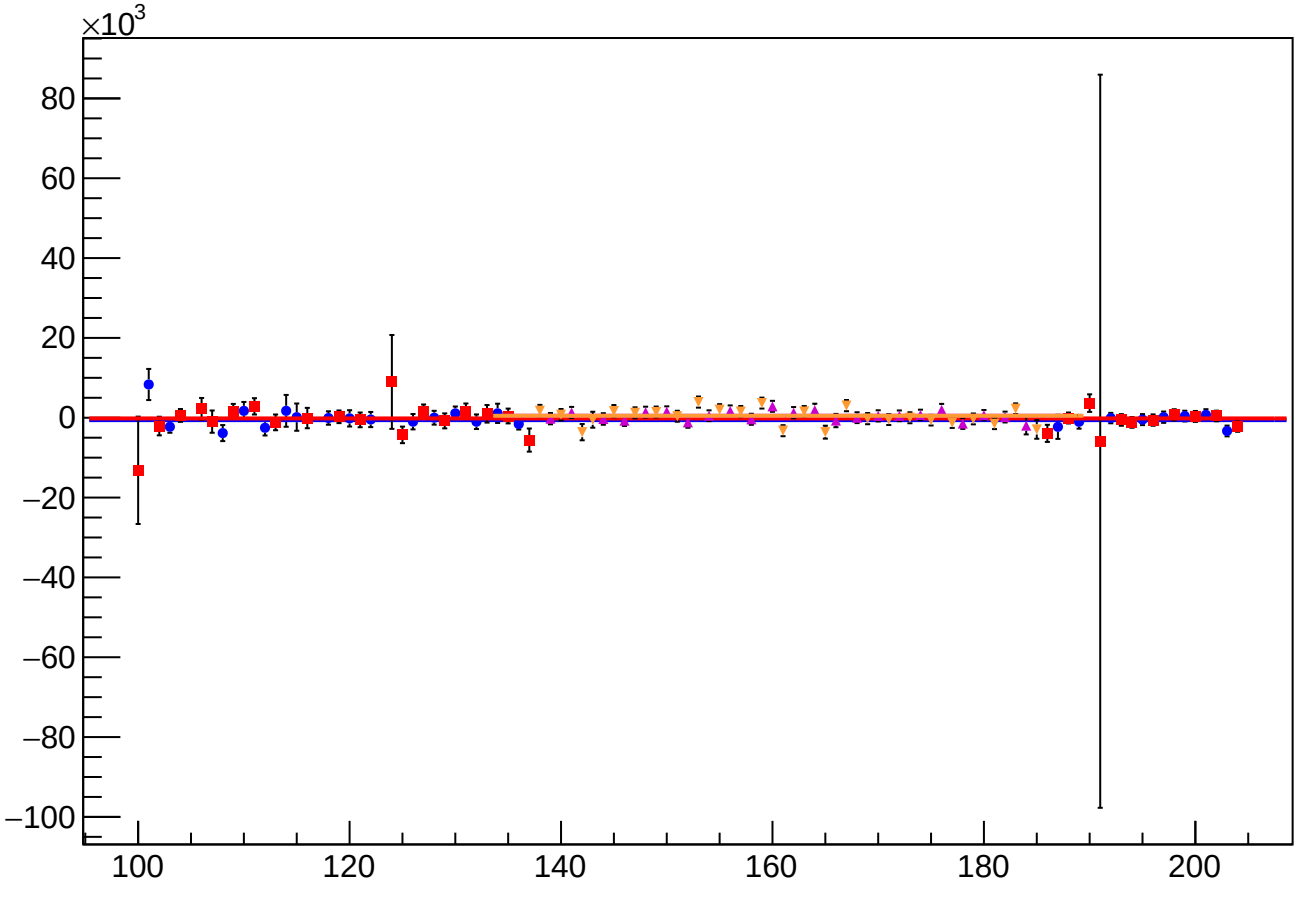
Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3800.505+/-0.494 χ^2/NDF: 5213017.0/48

All: 3871.093+/-0.351 χ^2/NDF: 9532392.7/10

- sign 3943.300+/-0.499 χ^2/NDF: 4277993.1/52



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -171.779+/-336.892 χ^2/NDF: 26.1/29

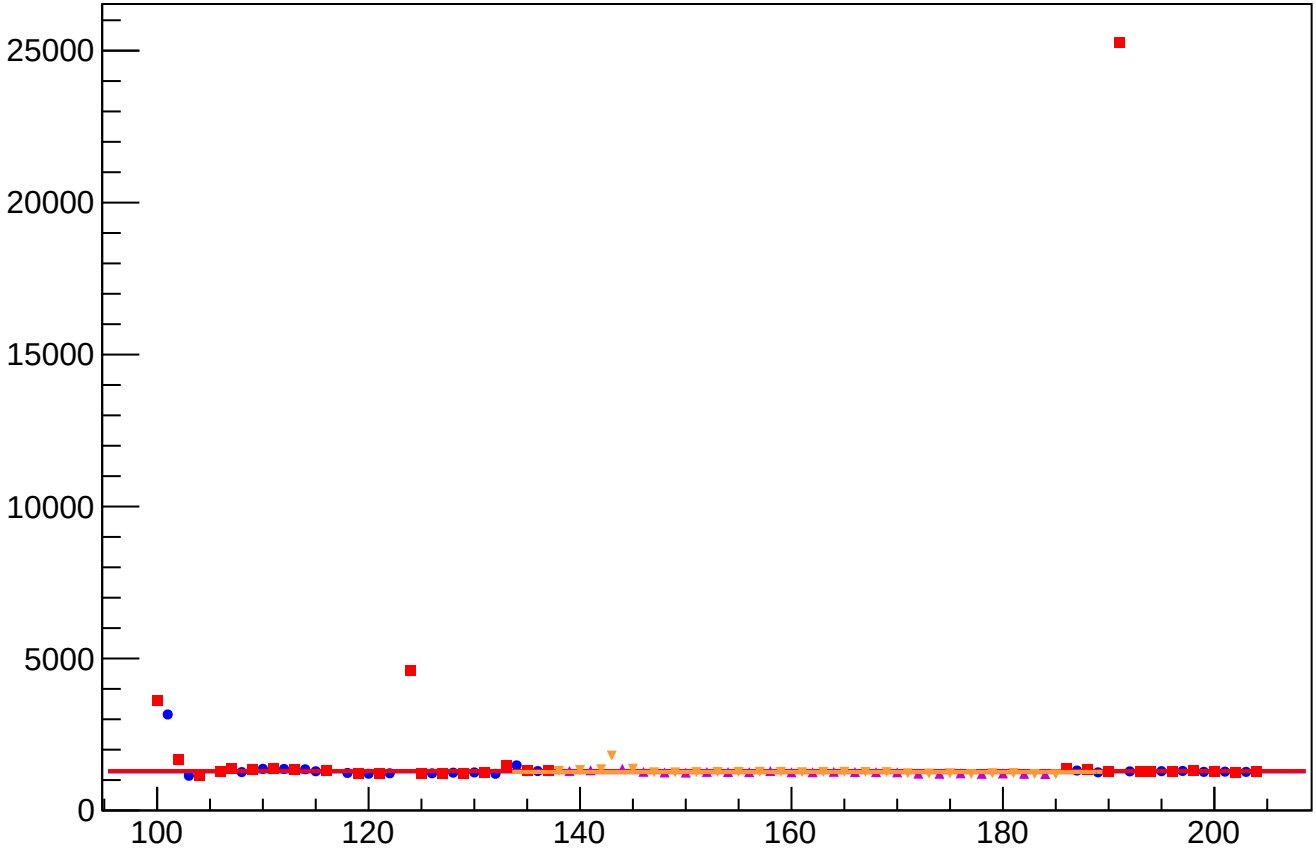
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.429+/-224.411 χ^2/NDF: 72.7/48

All: 132.806+/-157.612 χ^2/NDF: 115.6/101

- sign 202.287+/-221.413 χ^2/NDF: 42.7/52

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

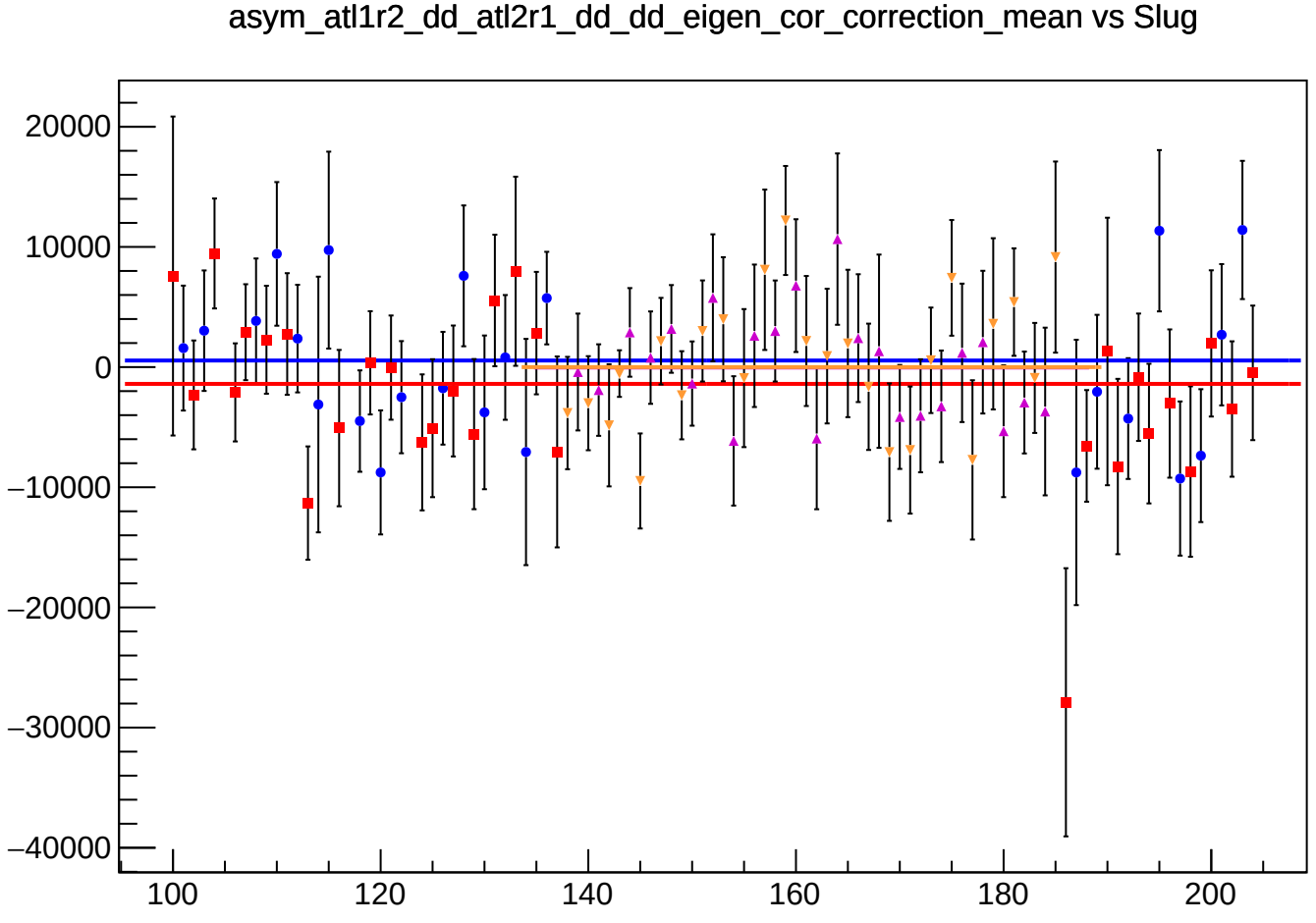
Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.208+/-0.159 χ^2/NDF: 707262.2/48

All: 1274.298+/-0.111 χ^2/NDF: 1234042.6/10

- sign 1274.385+/-0.157 χ^2/NDF: 526779.8/52



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

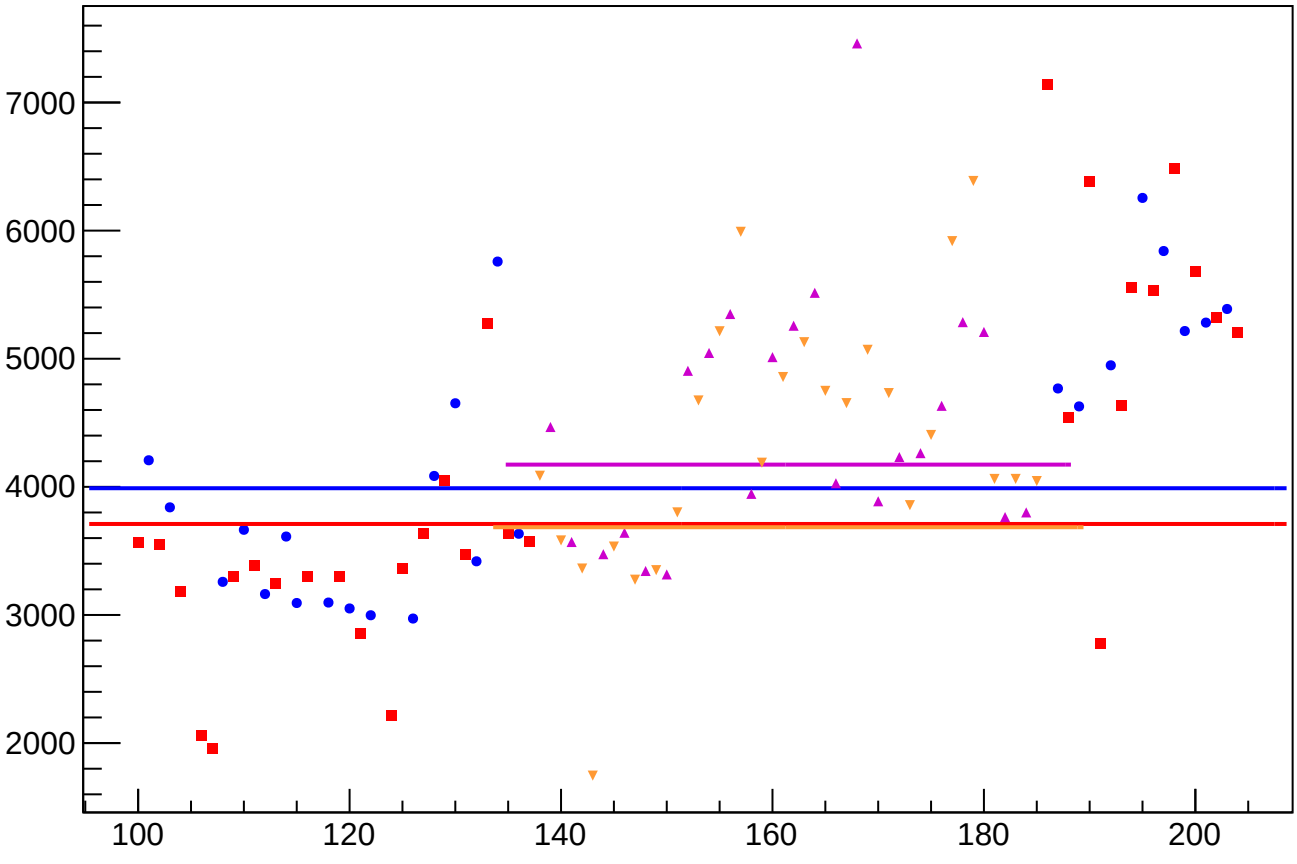
Right Out: -1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 207.773+/-697.956 χ^2/NDF: 55.8/48

All: -246.303+/-496.320 χ^2/NDF: 101.1/101

- sign -710.796+/-705.917 χ^2/NDF: 44.4/52



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

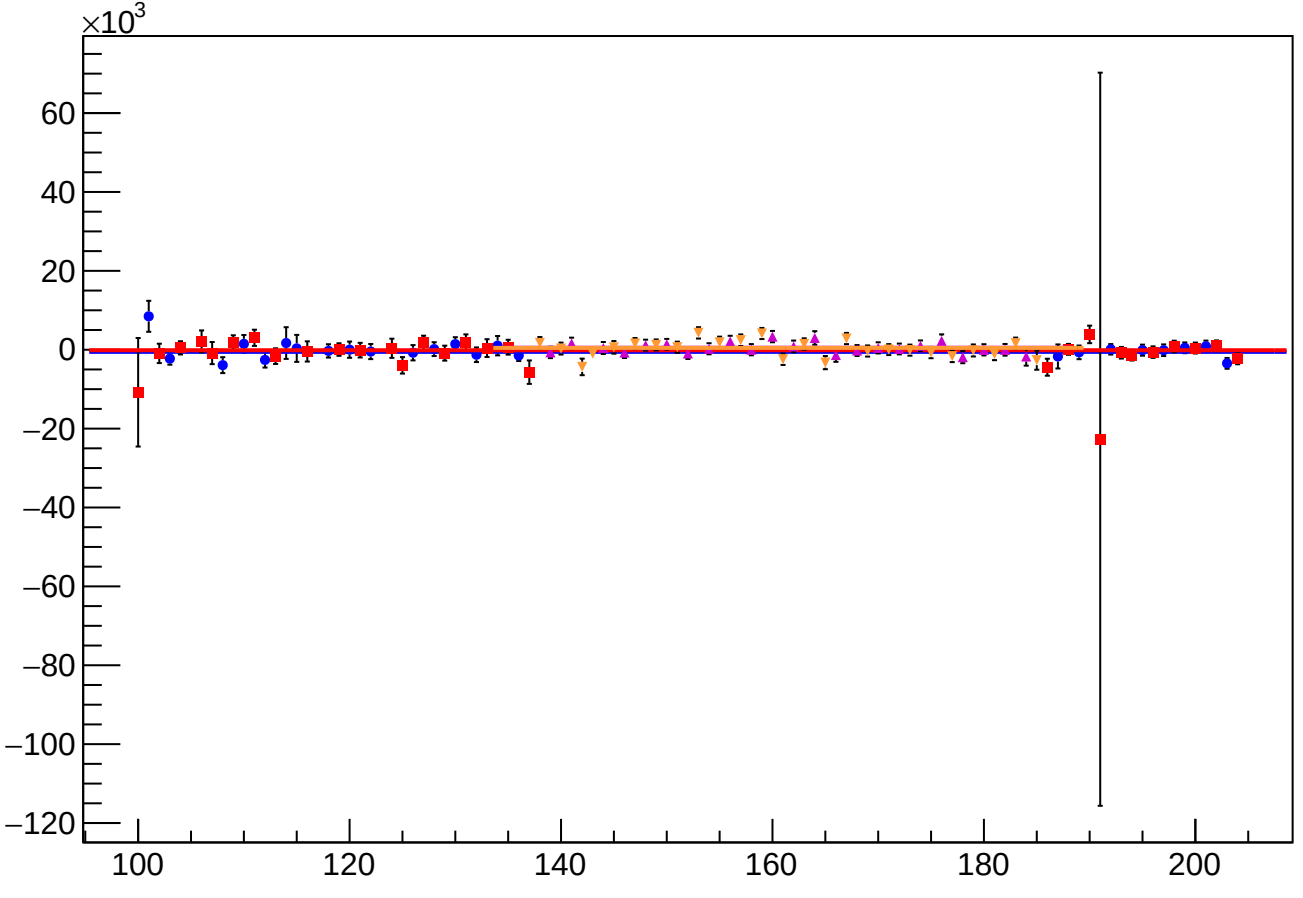
Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3800.505+/-0.494 χ^2/NDF: 5213017.0/48

All: 3871.093+/-0.351 χ^2/NDF: 9532392.7/10

- sign 3943.300+/-0.499 χ^2/NDF: 4277993.1/52



Right In: -539.414+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -126.590+/-339.394 χ^2/NDF: 27.3/29

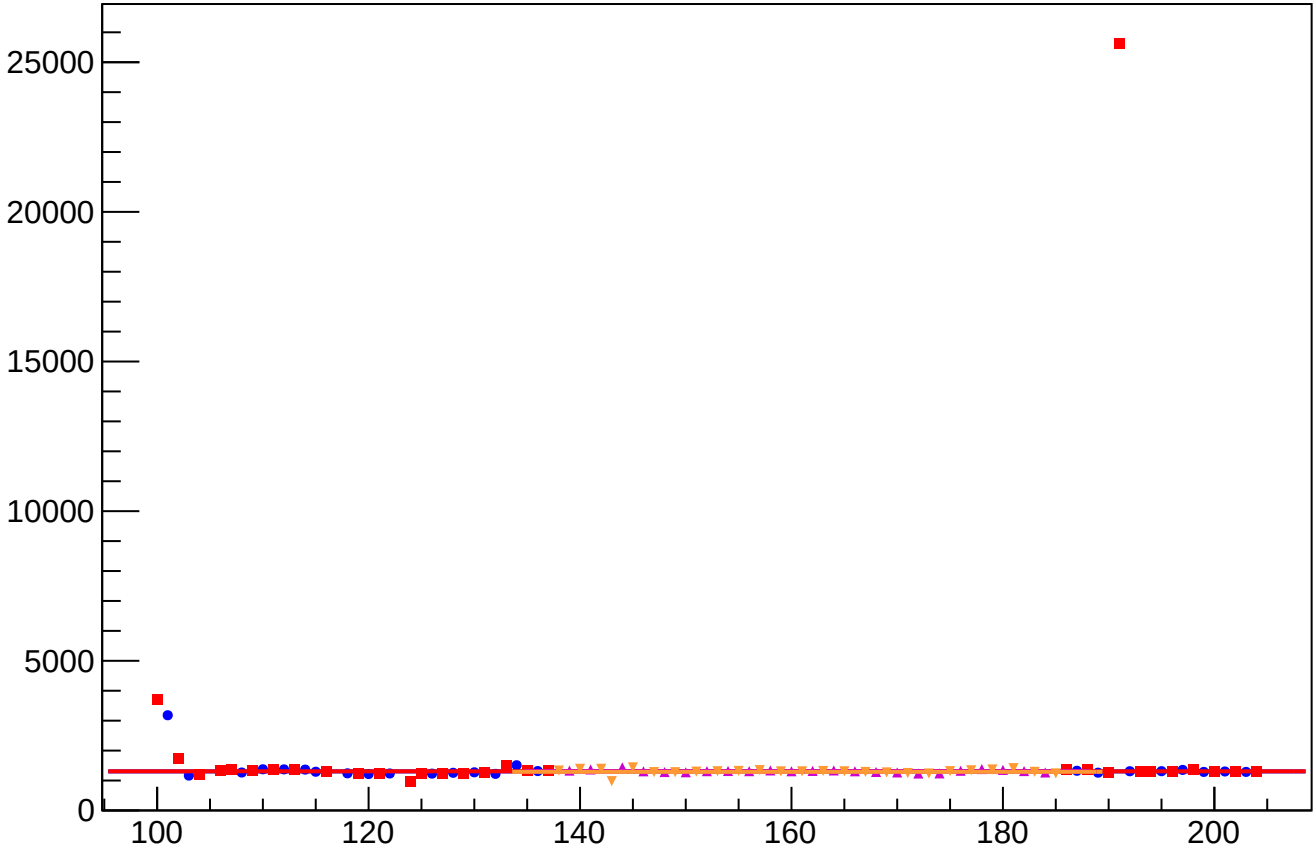
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 67.689+/-228.439 χ^2/NDF: 69.5/48

All: 144.056+/-161.268 χ^2/NDF: 116.3/101

- sign 219.929+/-227.698 χ^2/NDF: 46.6/52

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.1/23

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

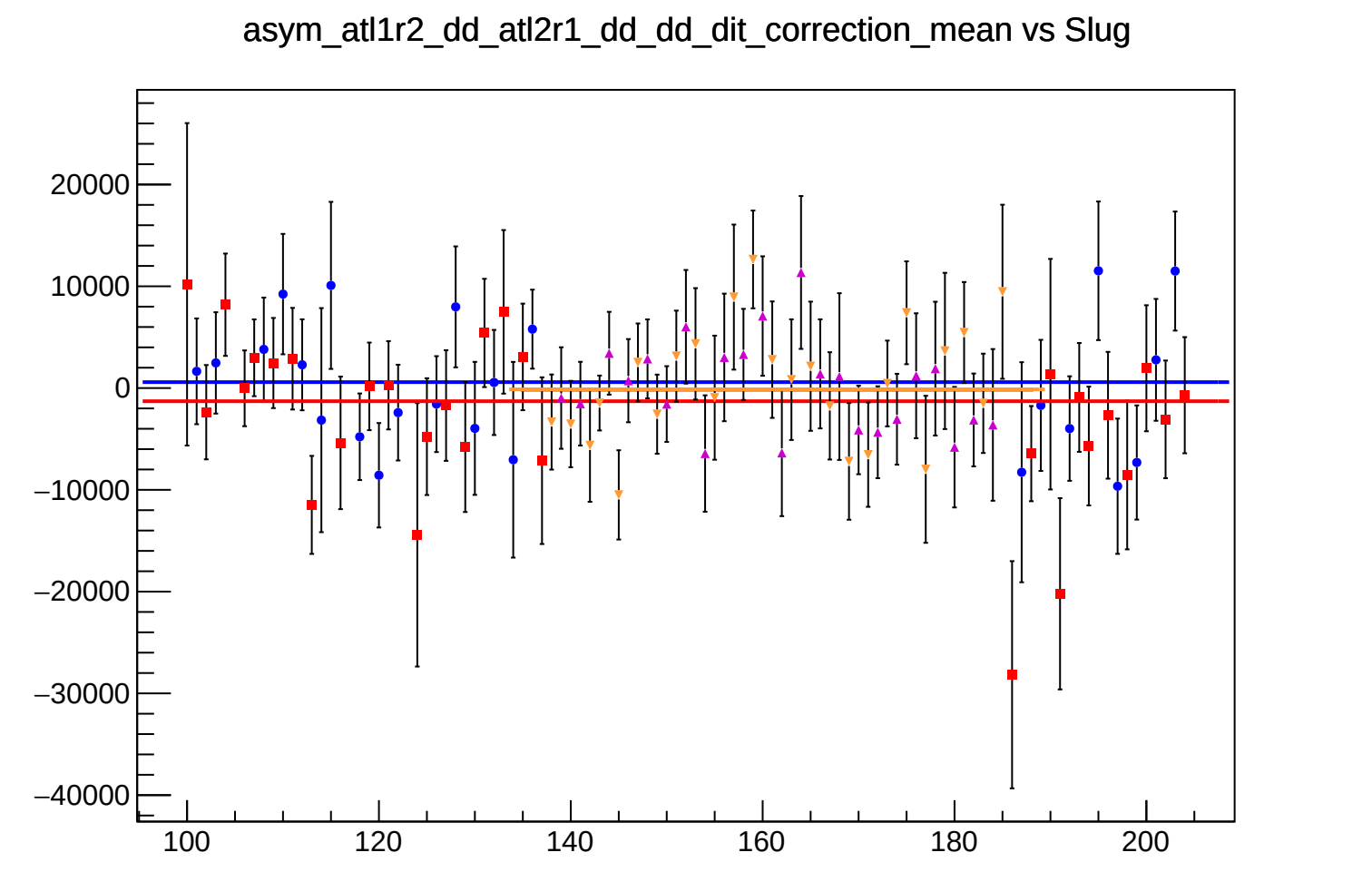
Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.1/29

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.417+/-0.162 χ^2/NDF: 747225.0/48

All: 1303.857+/-0.114 χ^2/NDF: 1158395.7/10

- sign 1311.246+/-0.161 χ^2/NDF: 406942.6/52



Right In: 583.551+/-1138.726 χ^2/NDF: 26.3/23

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

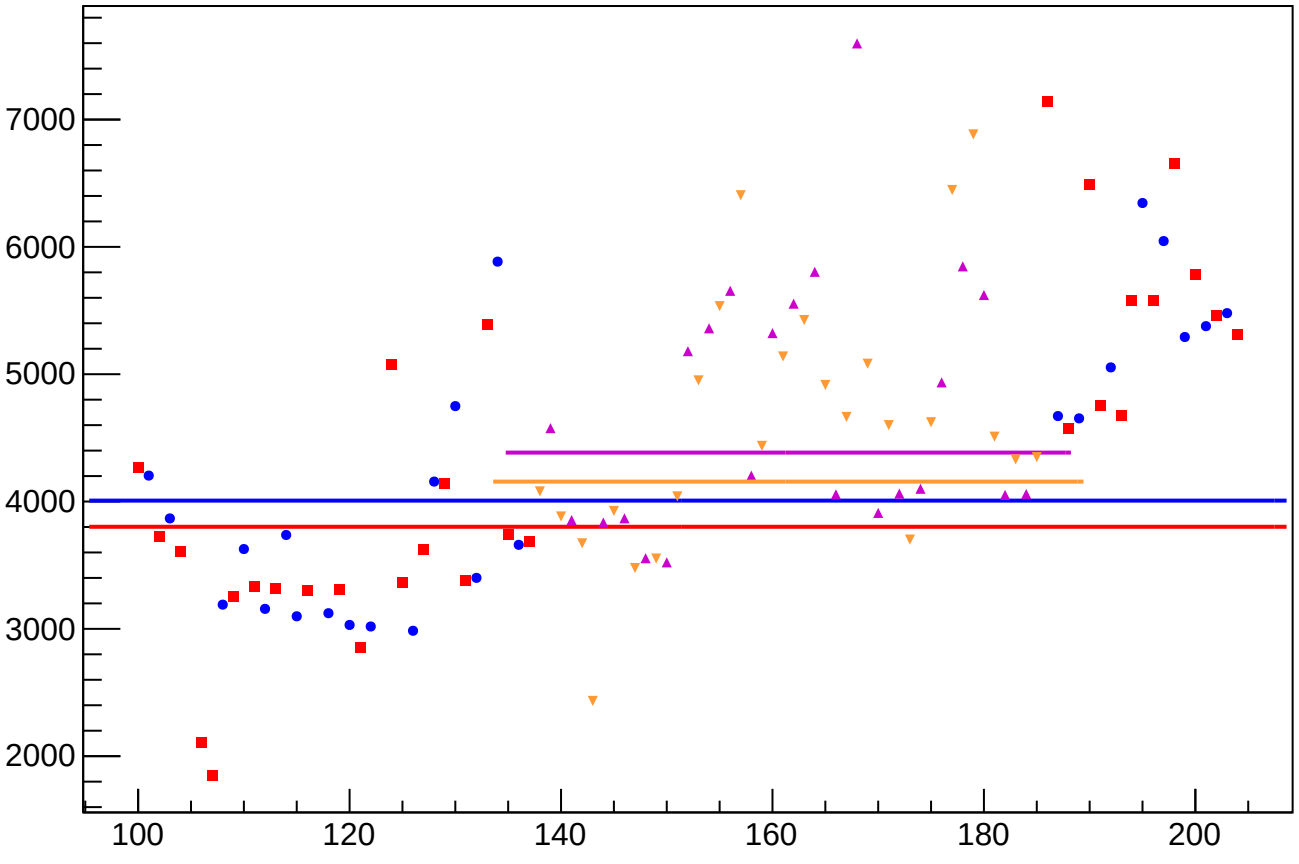
Right Out: -1292.677+/-1019.096 χ^2/NDF: 31.1/29

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 174.201+/-741.589 χ^2/NDF: 55.1/48

All: -290.527+/-520.153 χ^2/NDF: 101.3/101

- sign -740.560+/-729.769 χ^2/NDF: 45.4/52



Right In: 4007.247+/-0.805 χ^2/NDF: 1521072.4/23

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

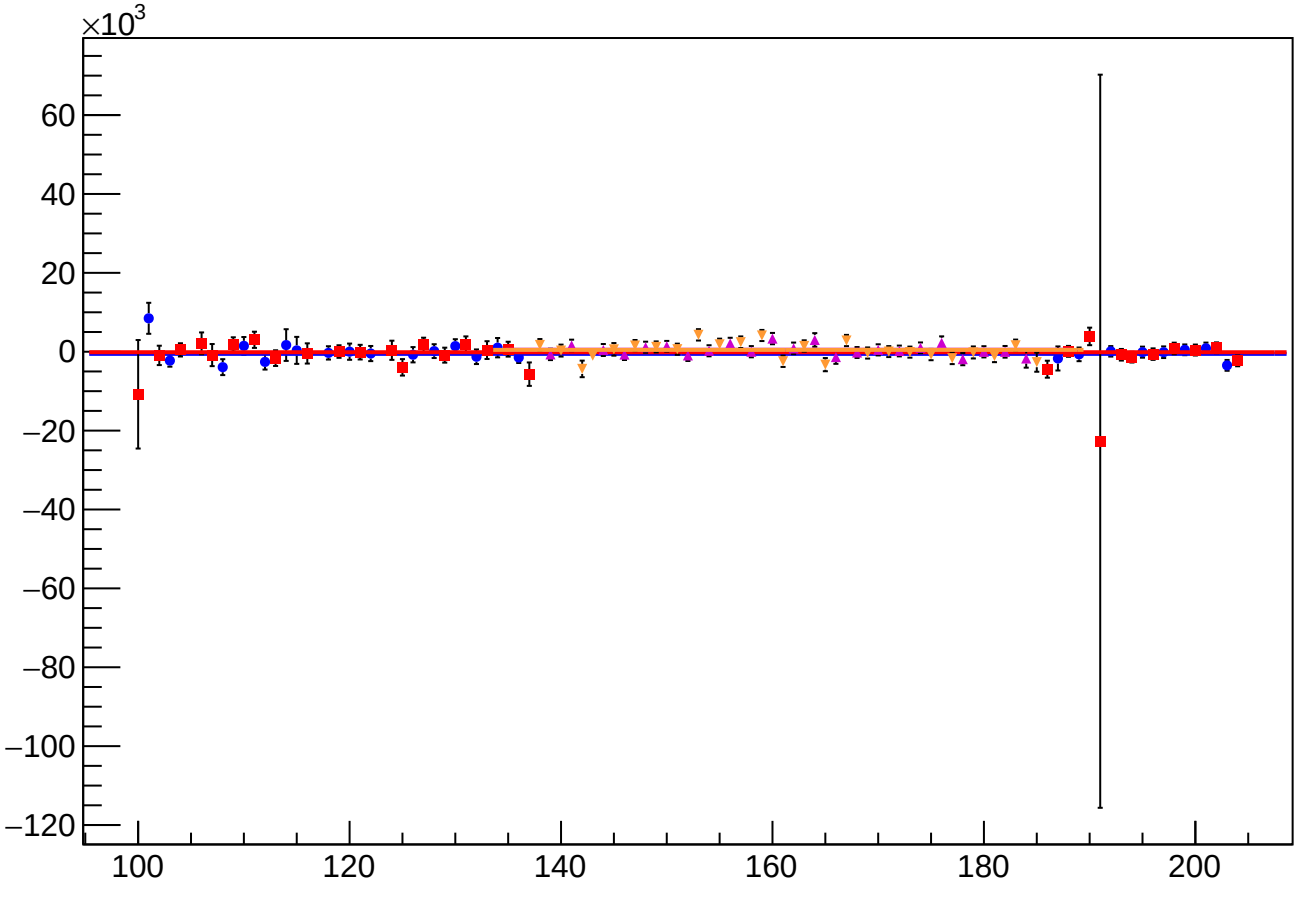
Right Out: 3801.788+/-0.721 χ^2/NDF: 2870355.6/29

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4093.246+/-0.524 χ^2/NDF: 3621646.9/48

All: 4089.363+/-0.368 χ^2/NDF: 8065970.4/10

- sign 4085.604+/-0.516 χ^2/NDF: 4444215.6/52



Right In: -539.413+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -126.587+/-339.394 χ^2/NDF: 27.3/29

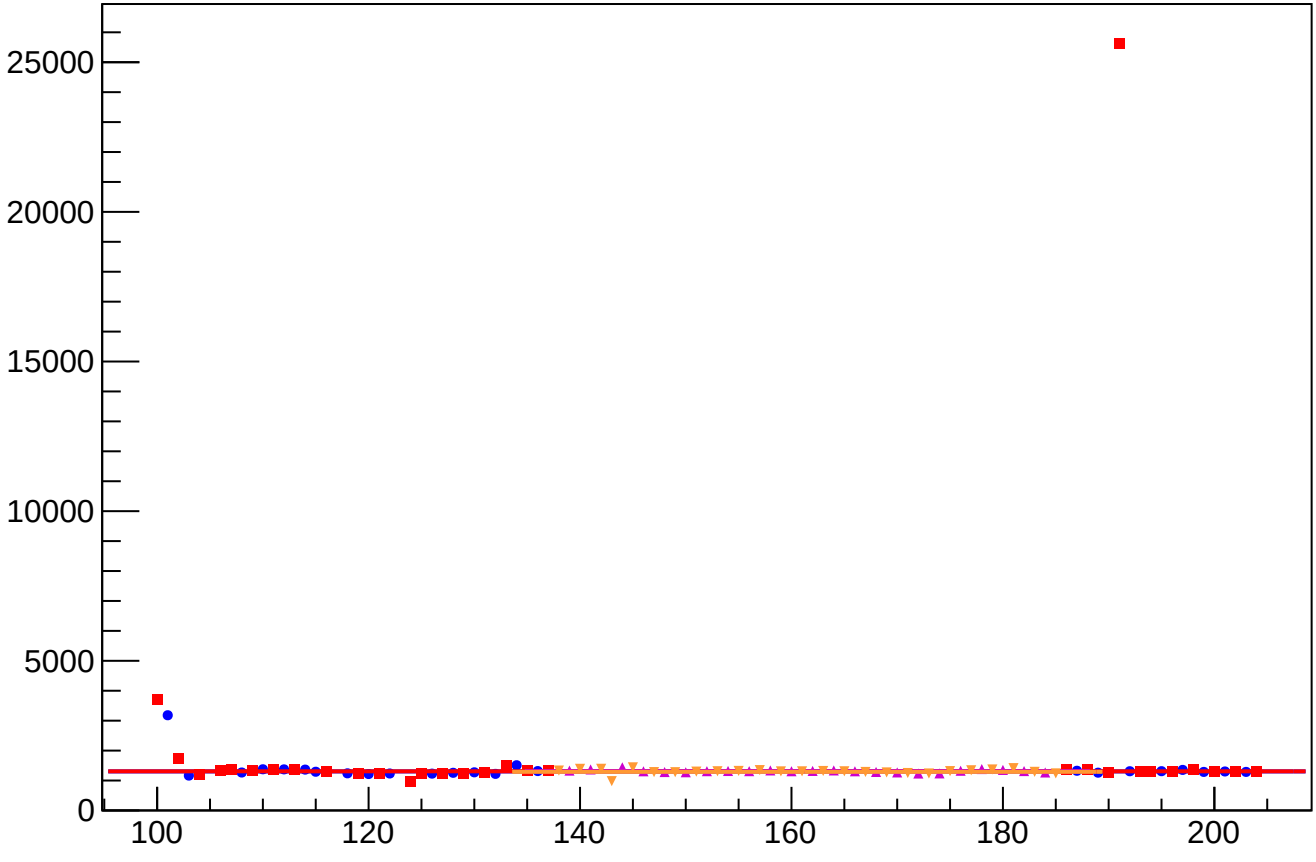
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 67.691+/-228.439 χ^2/NDF: 69.5/48

All: 144.058+/-161.268 χ^2/NDF: 116.3/101

- sign 219.930+/-227.698 χ^2/NDF: 46.6/52

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.3/23

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

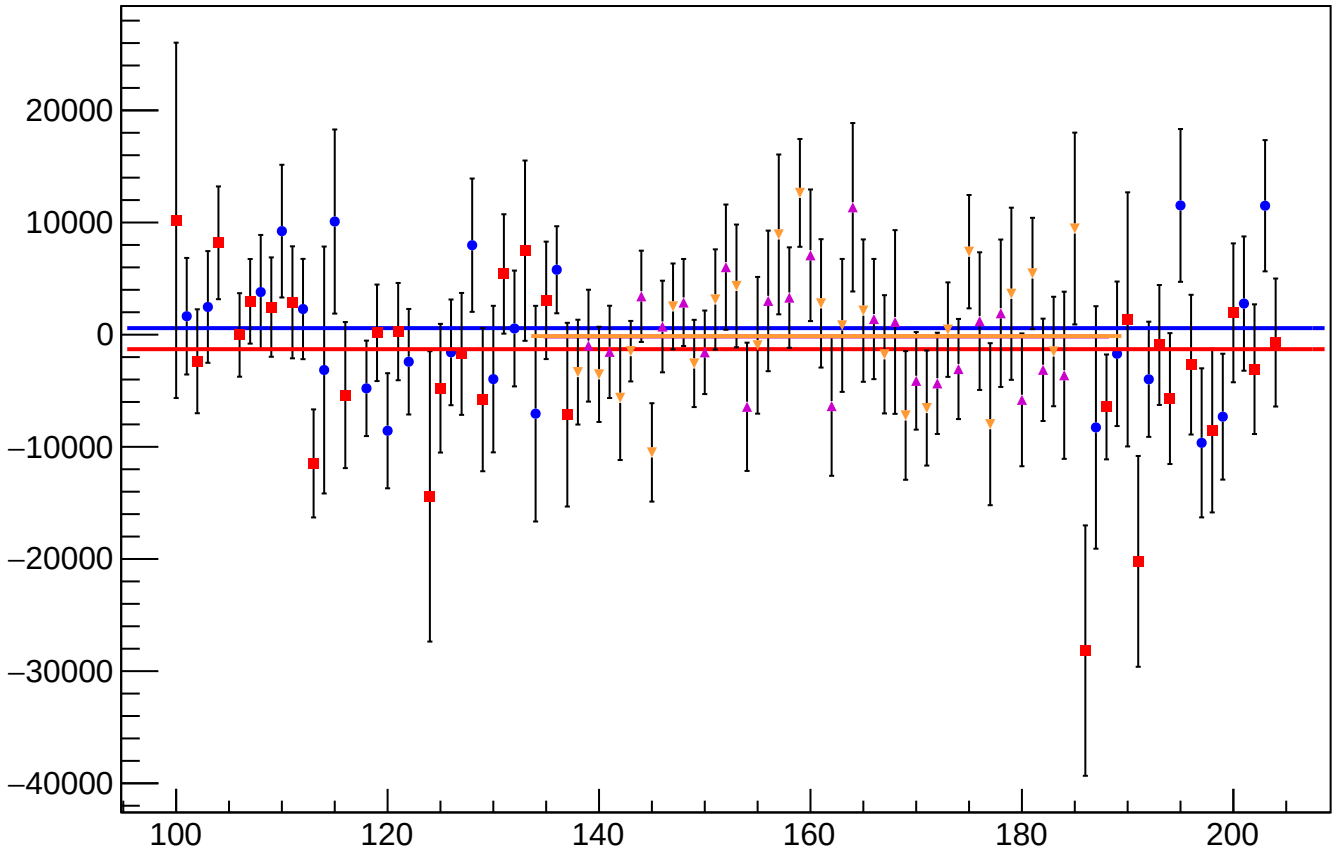
Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.3/29

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.418+/-0.162 χ^2/NDF: 747227.4/48

All: 1303.858+/-0.114 χ^2/NDF: 1158400.7/10

- sign 1311.247+/-0.161 χ^2/NDF: 406945.1/52



Right In: 583.543+/-1138.724 χ^2/NDF: 26.3/23

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

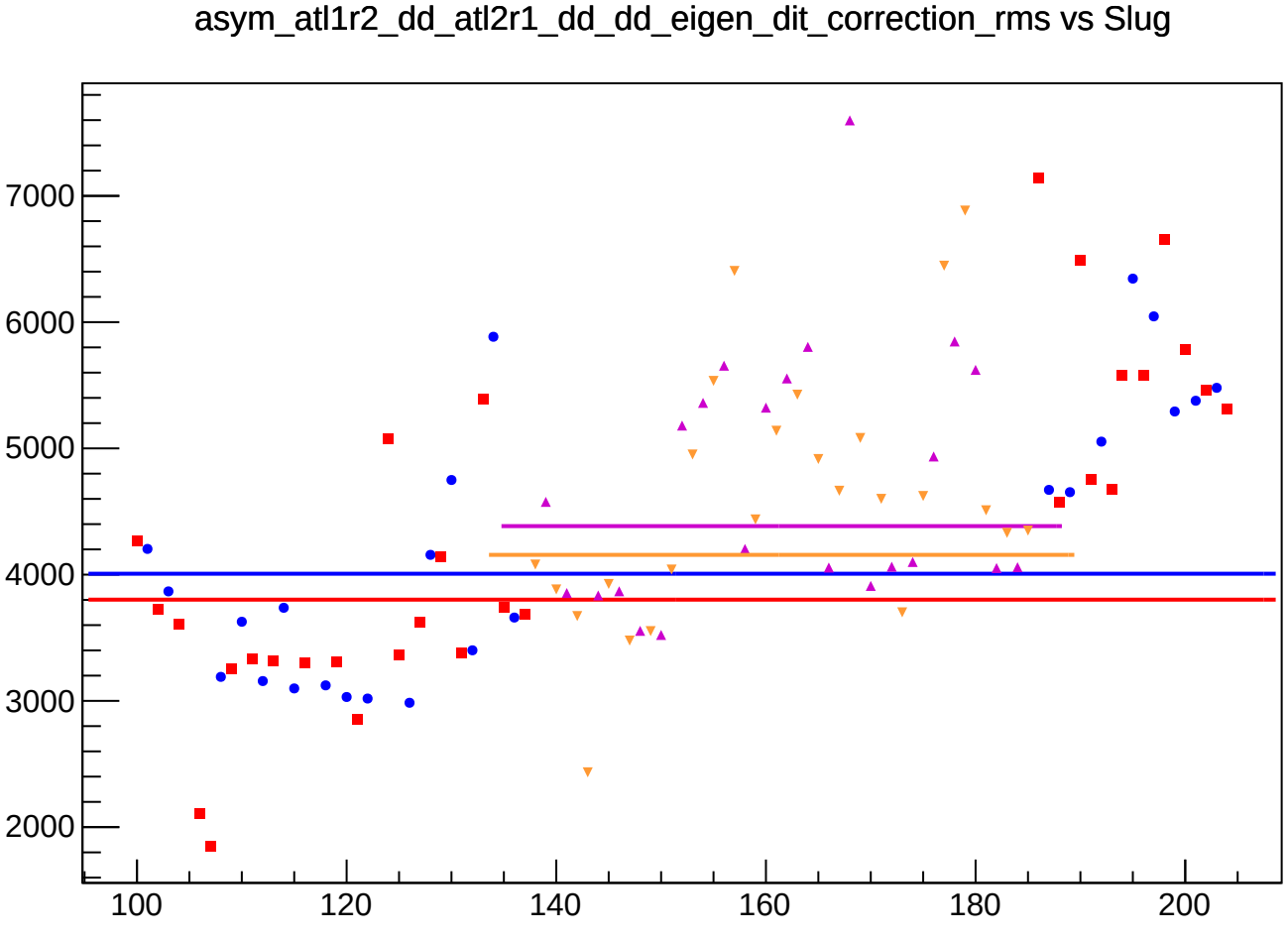
Right Out: -1292.670+/-1019.095 χ^2/NDF: 31.1/29

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

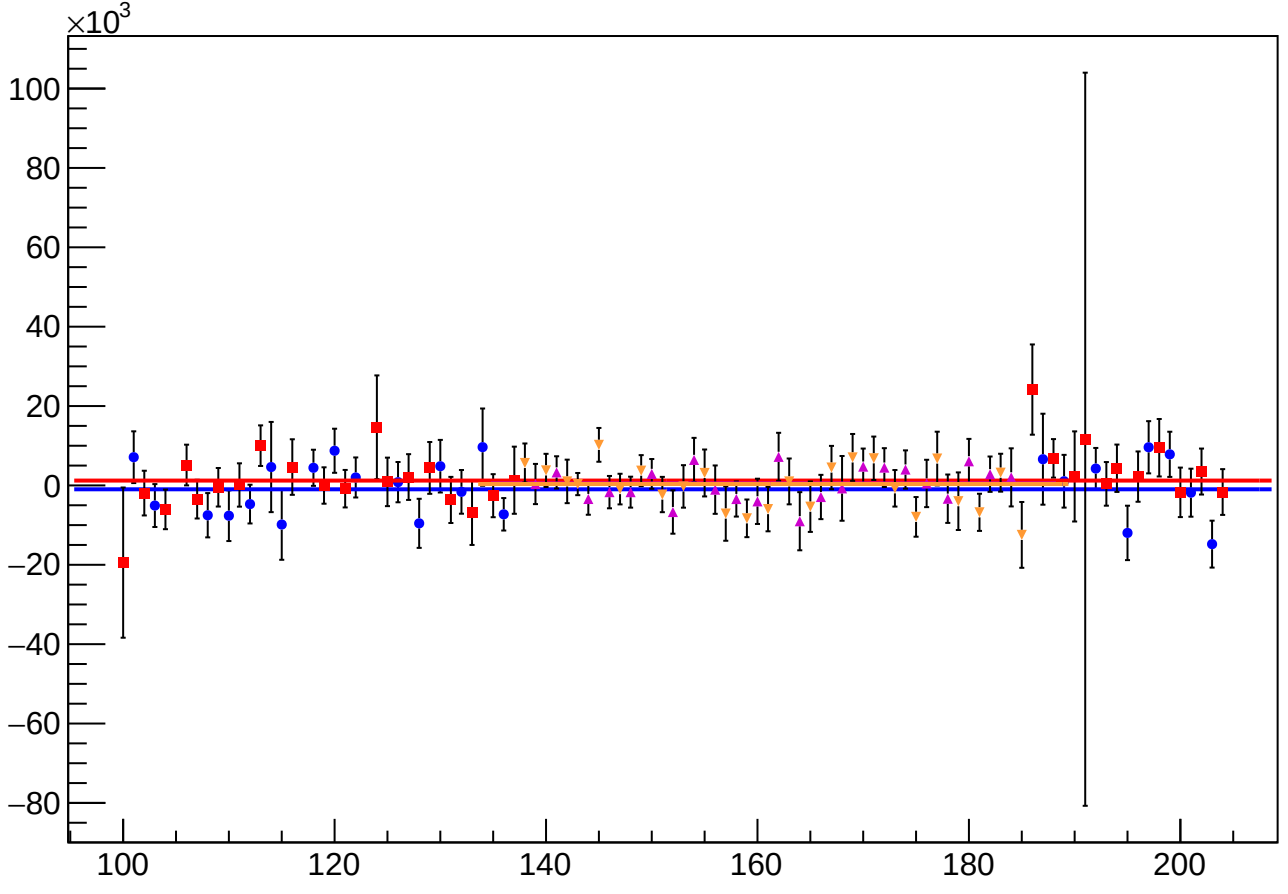
+ sign 174.200+/-741.589 χ^2/NDF: 55.1/48

All: -290.527+/-520.153 χ^2/NDF: 101.3/101

- sign -740.559+/-729.769 χ^2/NDF: 45.4/52


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4007.239+/-0.805 χ²/NDF: 1521095.9/23
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 3801.781+/-0.721 χ²/NDF: 2870380.1/29
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
+ sign 4093.246+/-0.524 χ²/NDF: 3621676.9/48
All: 4089.363+/-0.368 χ²/NDF: 8066043.8/10
- sign 4085.603+/-0.516 χ²/NDF: 4444259.0/52

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -977.578+/-1206.984 χ^2/NDF: 32.2/23

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1221.385+/-1111.844 χ^2/NDF: 19.9/29

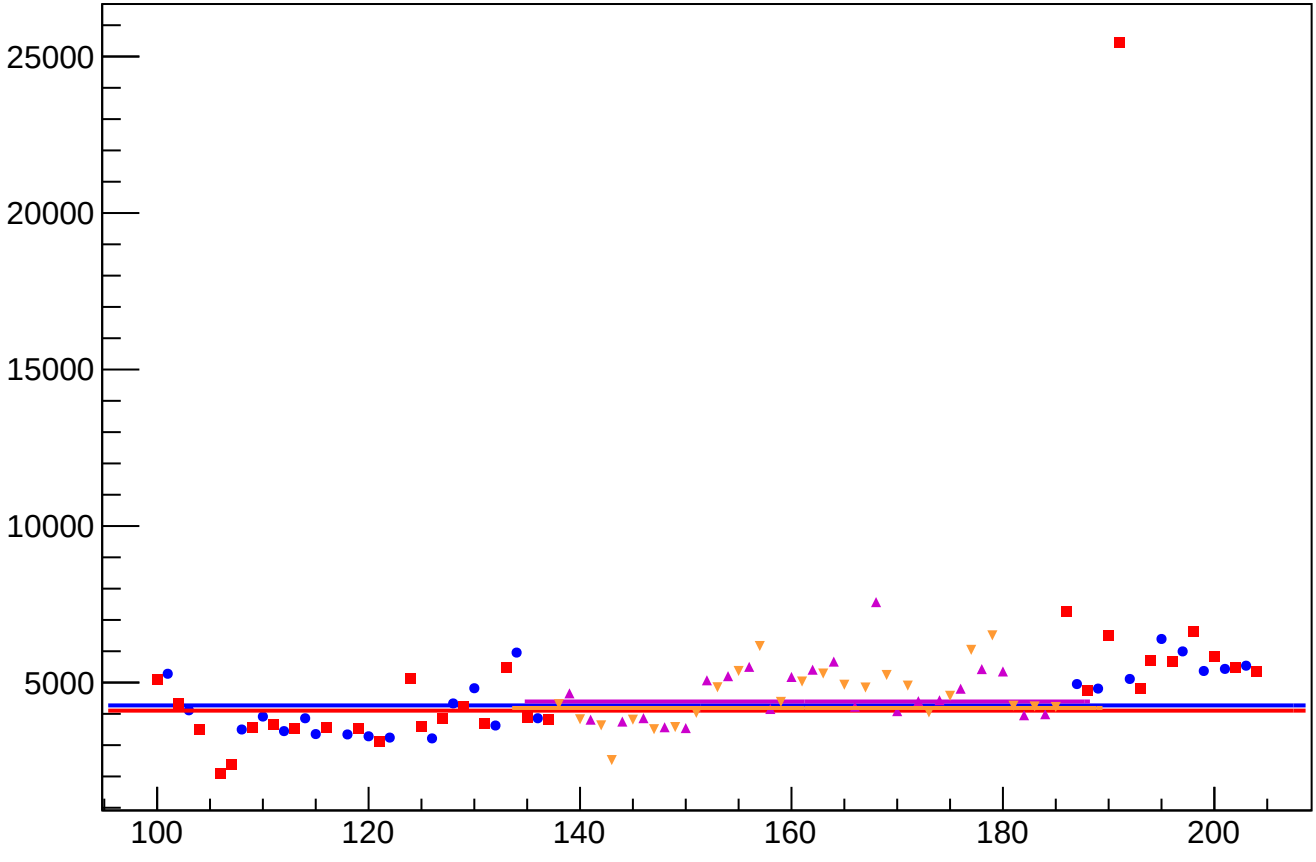
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -169.828+/-760.734 χ^2/NDF: 60.6/48

All: 333.150+/-538.137 χ^2/NDF: 95.5/101

- sign 836.940+/-761.348 χ^2/NDF: 34.0/52

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4269.266+/-0.853 χ^2/NDF: 1254986.0/23

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

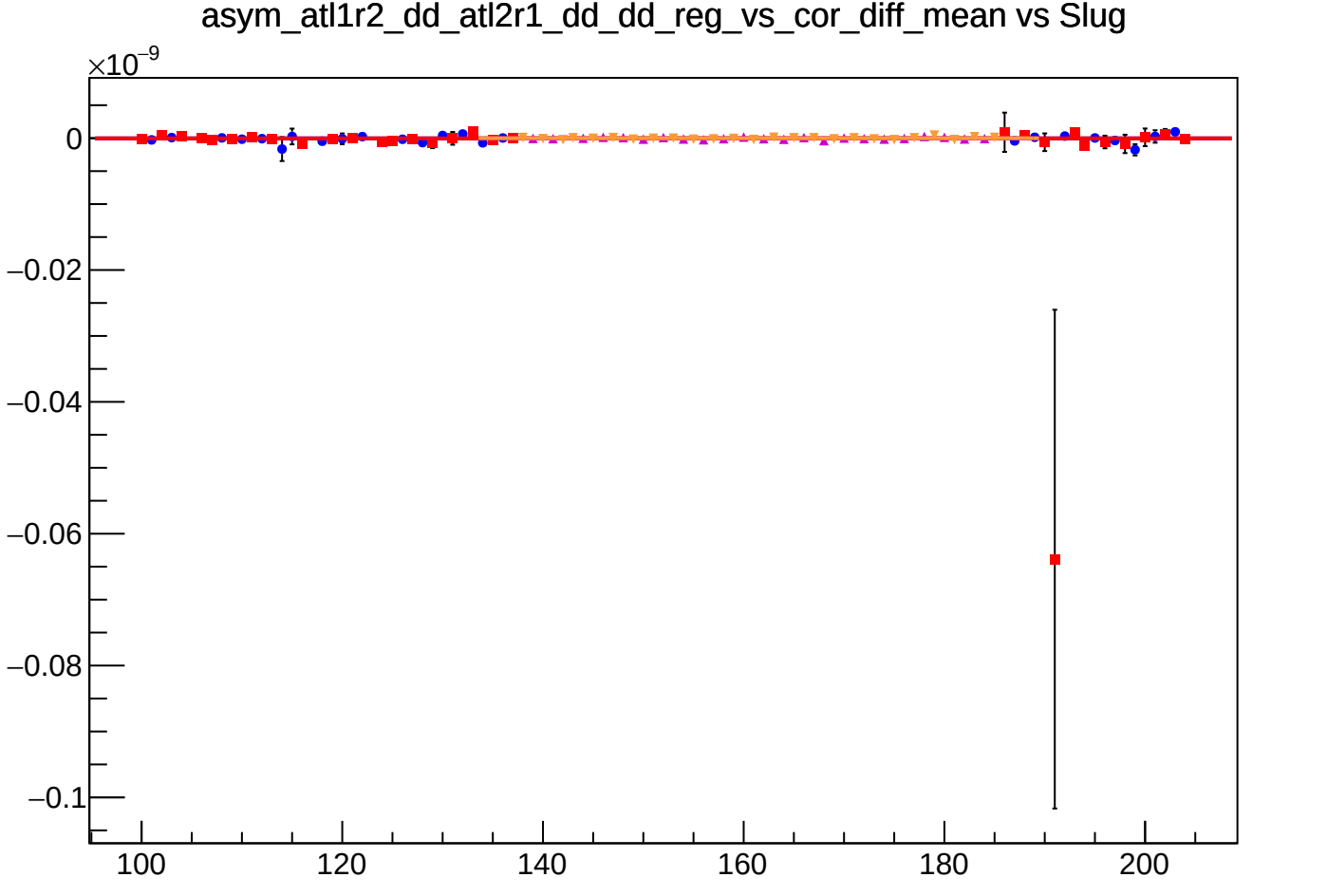
Right Out: 4102.774+/-0.779 χ^2/NDF: 2316402.5/29

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4220.192+/-0.538 χ^2/NDF: 3056817.3/48

All: 4238.277+/-0.380 χ^2/NDF: 6537645.7/10

- sign 4256.230+/-0.536 χ^2/NDF: 3478576.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

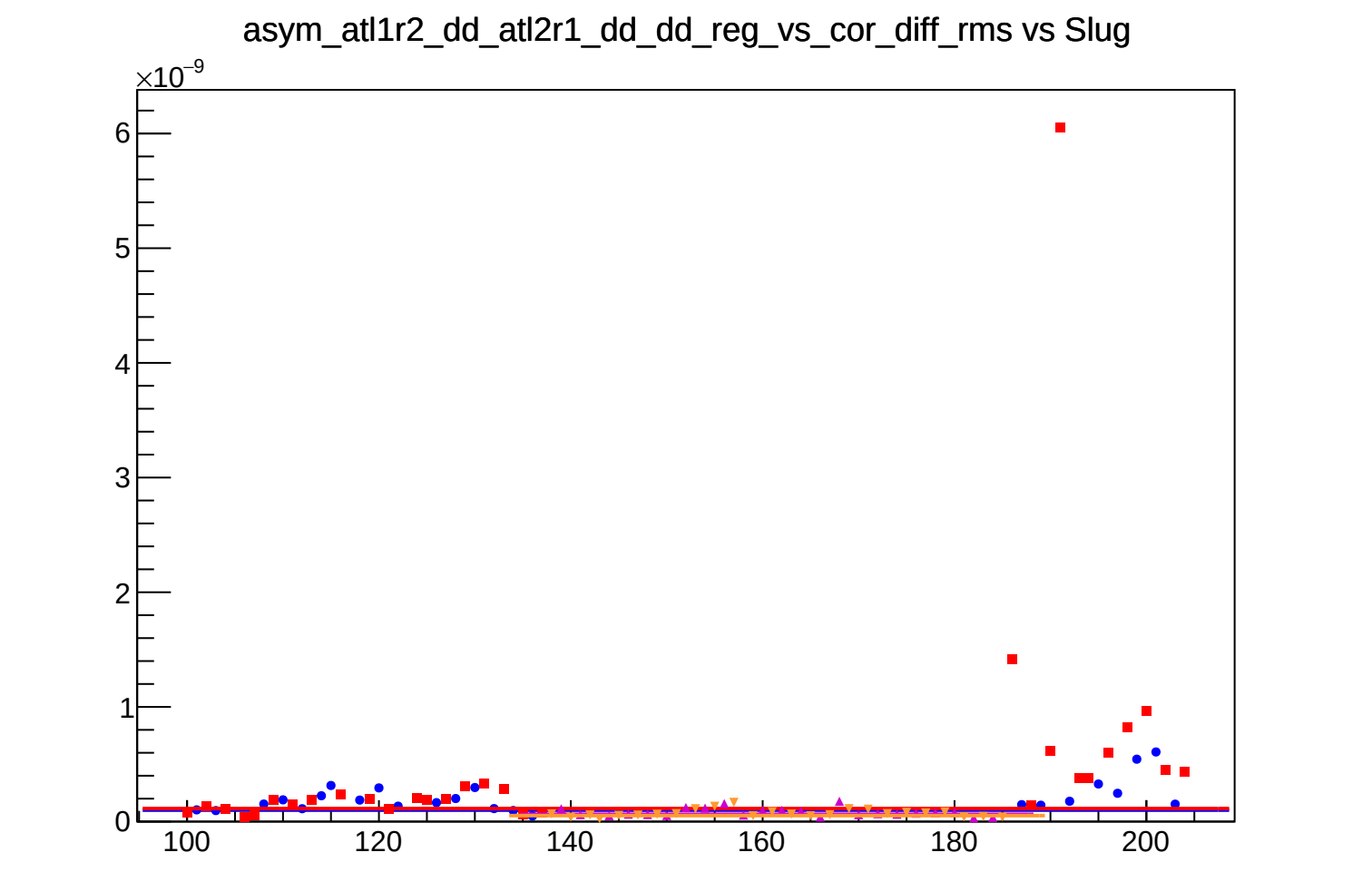
Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/29

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.4/48

All: -0.000+/-0.000 χ^2/NDF: 102.9/101

- sign -0.000+/-0.000 χ^2/NDF: 44.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 3122720.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

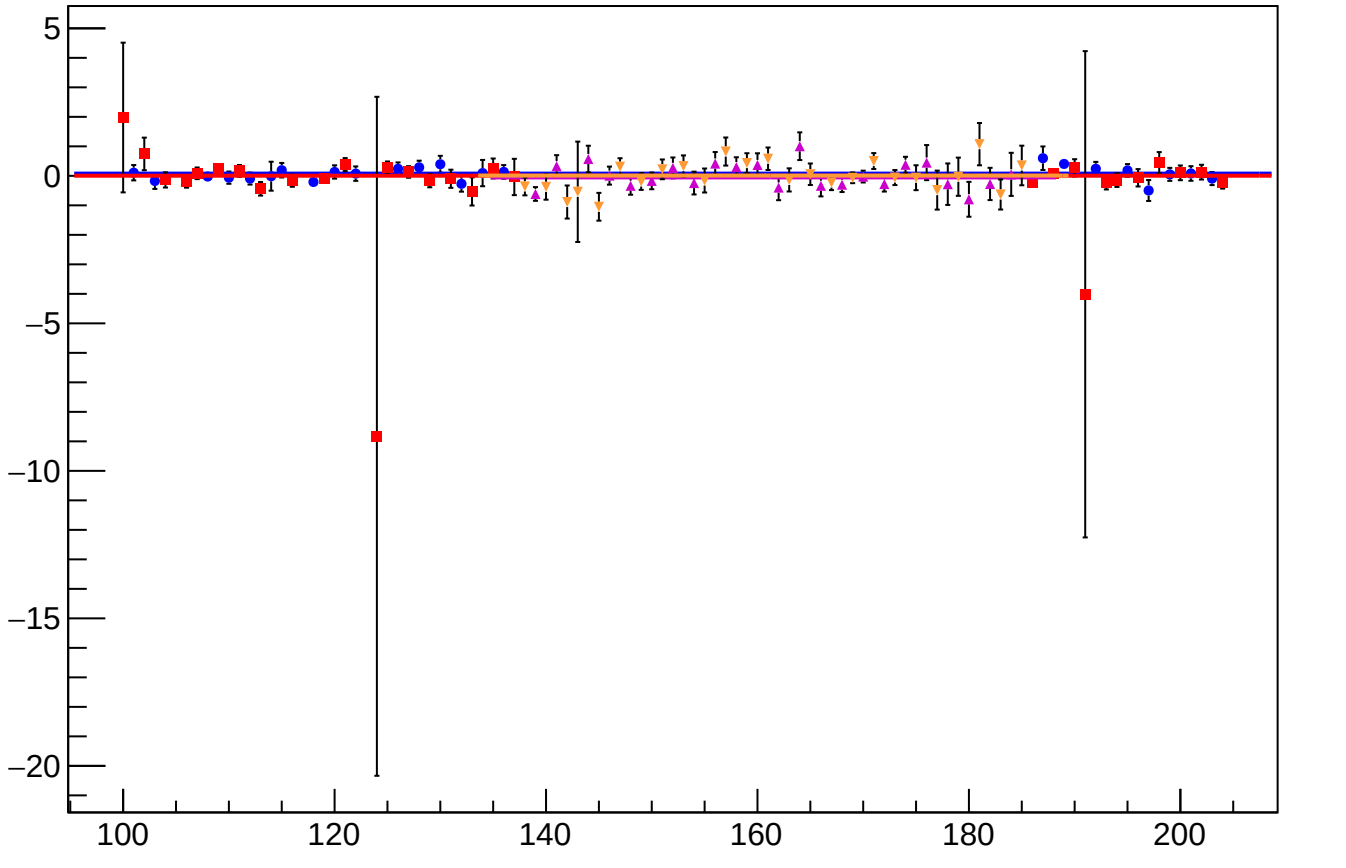
Right Out: 0.000+/-0.000 χ^2/NDF: 5888584.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7000268.9/48

All: 0.000+/-0.000 χ^2/NDF: 16105222.7/101

- sign 0.000+/-0.000 χ^2/NDF: 8809825.6/52



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

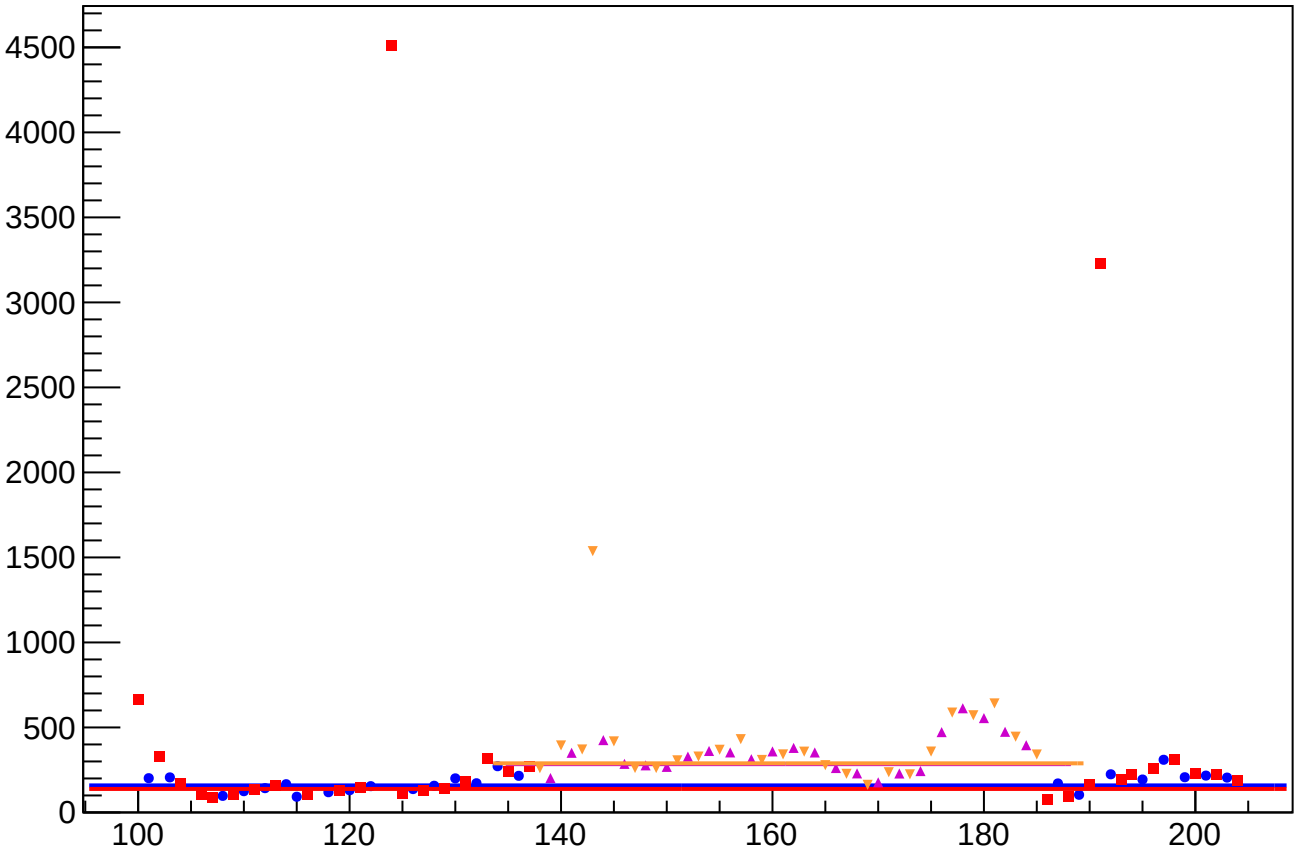
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.056+/-0.039 χ^2/NDF: 50.0/48

All: 0.019+/-0.026 χ^2/NDF: 110.4/101

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

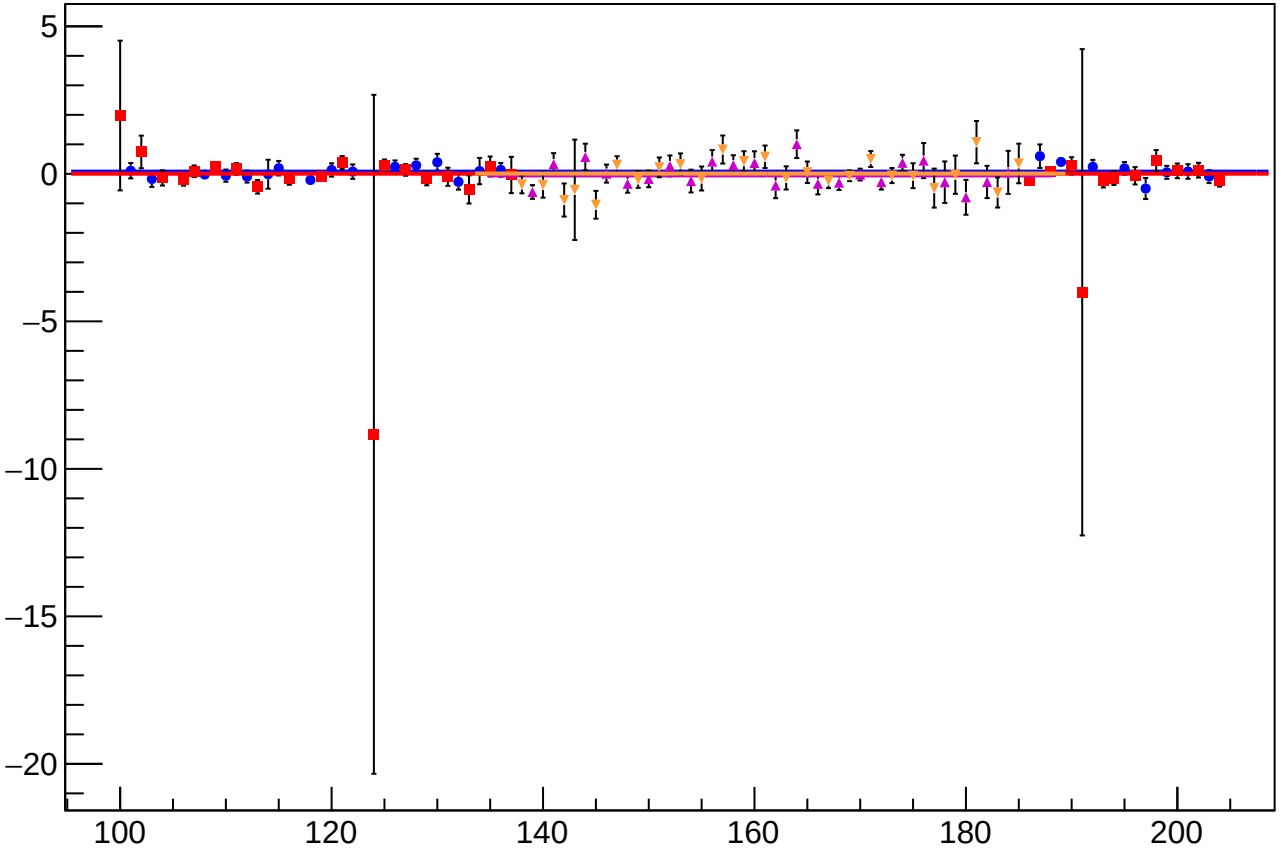
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 198.480+/-0.028 χ^2/NDF: 11518994.8/48

All: 184.845+/-0.018 χ^2/NDF: 26171040.5/10

- sign 174.036+/-0.025 χ^2/NDF: 14216363.2/52

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

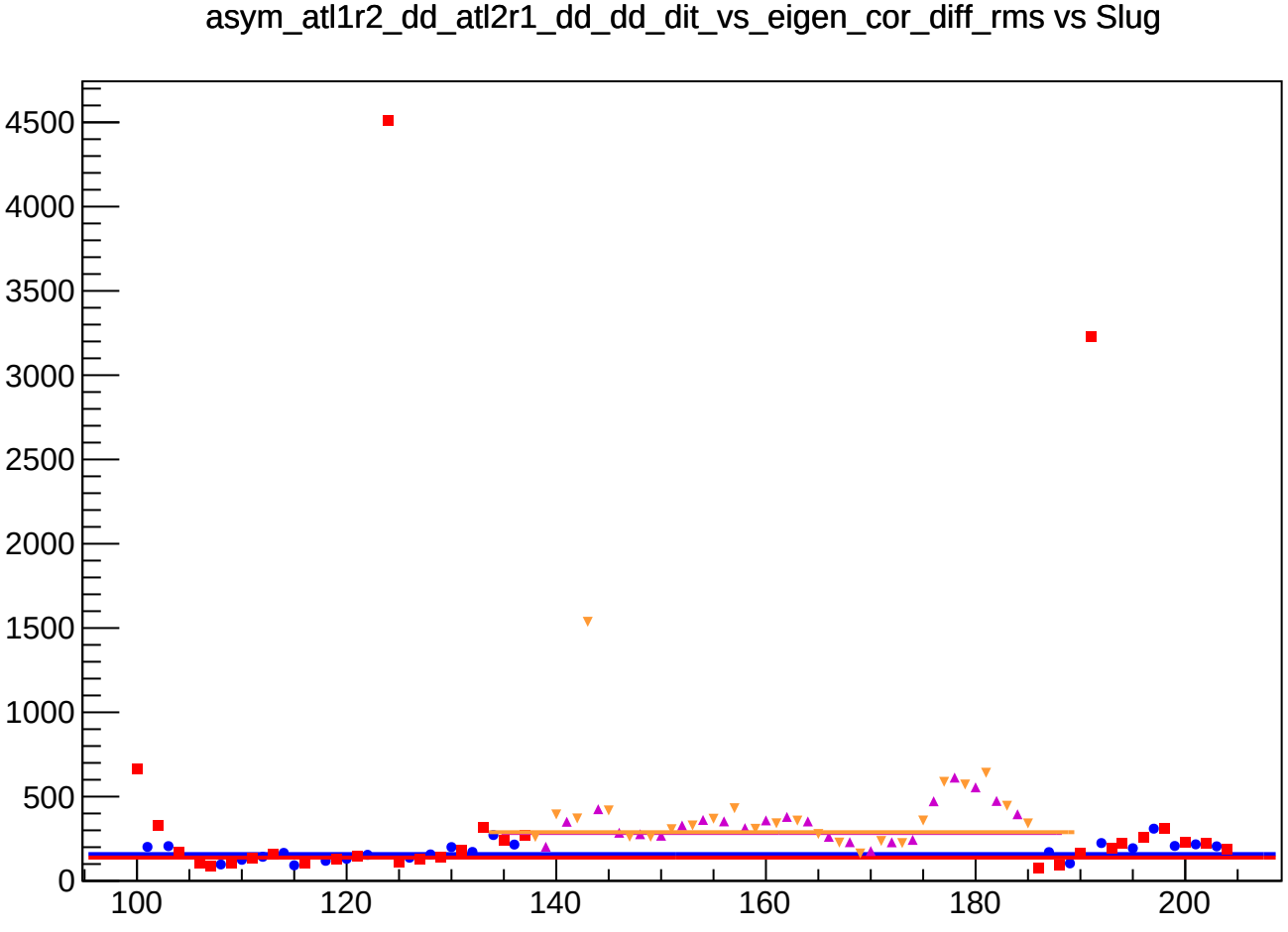
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.056+/-0.039 χ^2/NDF: 50.0/48

All: 0.019+/-0.026 χ^2/NDF: 110.4/101

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

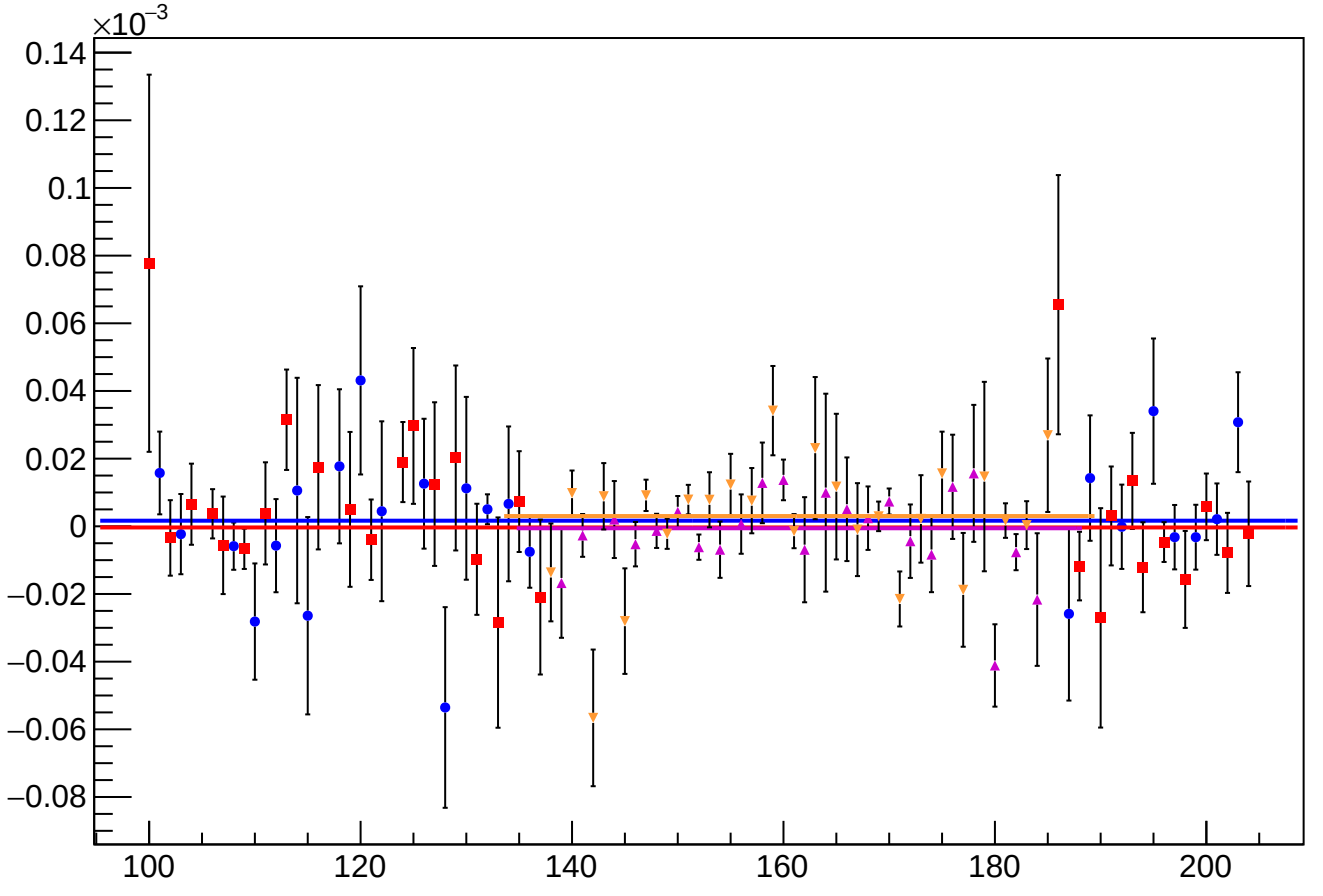
Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 198.480+/-0.028 χ^2/NDF: 11518994.8/48

All: 184.845+/-0.018 χ^2/NDF: 26171040.5/10

- sign 174.036+/-0.025 χ^2/NDF: 14216363.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

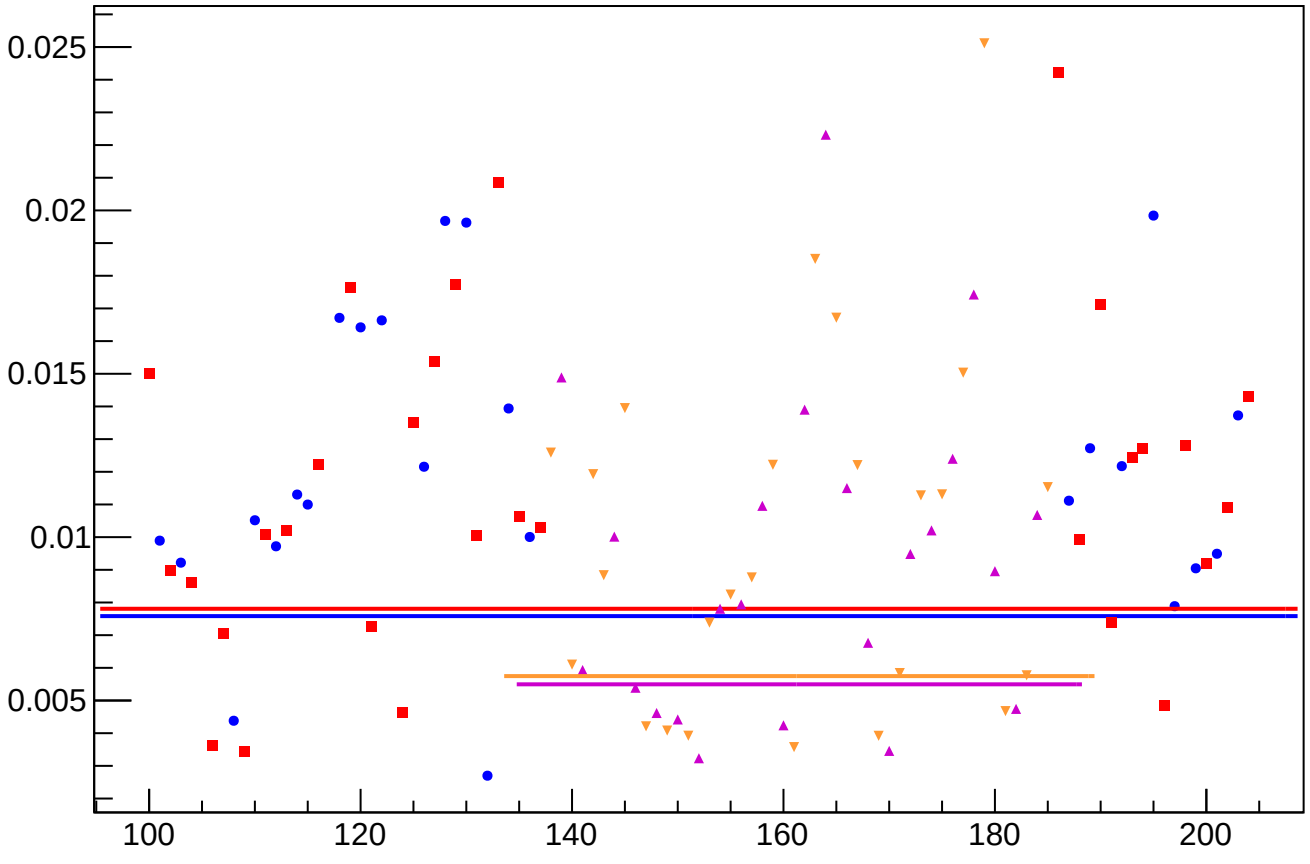
Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/29

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.7/48

All: 0.000+/-0.000 χ^2/NDF: 127.8/101

- sign -0.000+/-0.000 χ^2/NDF: 59.1/52



Right In: 0.008+/-0.000 χ^2/NDF: 6556165.2/23

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

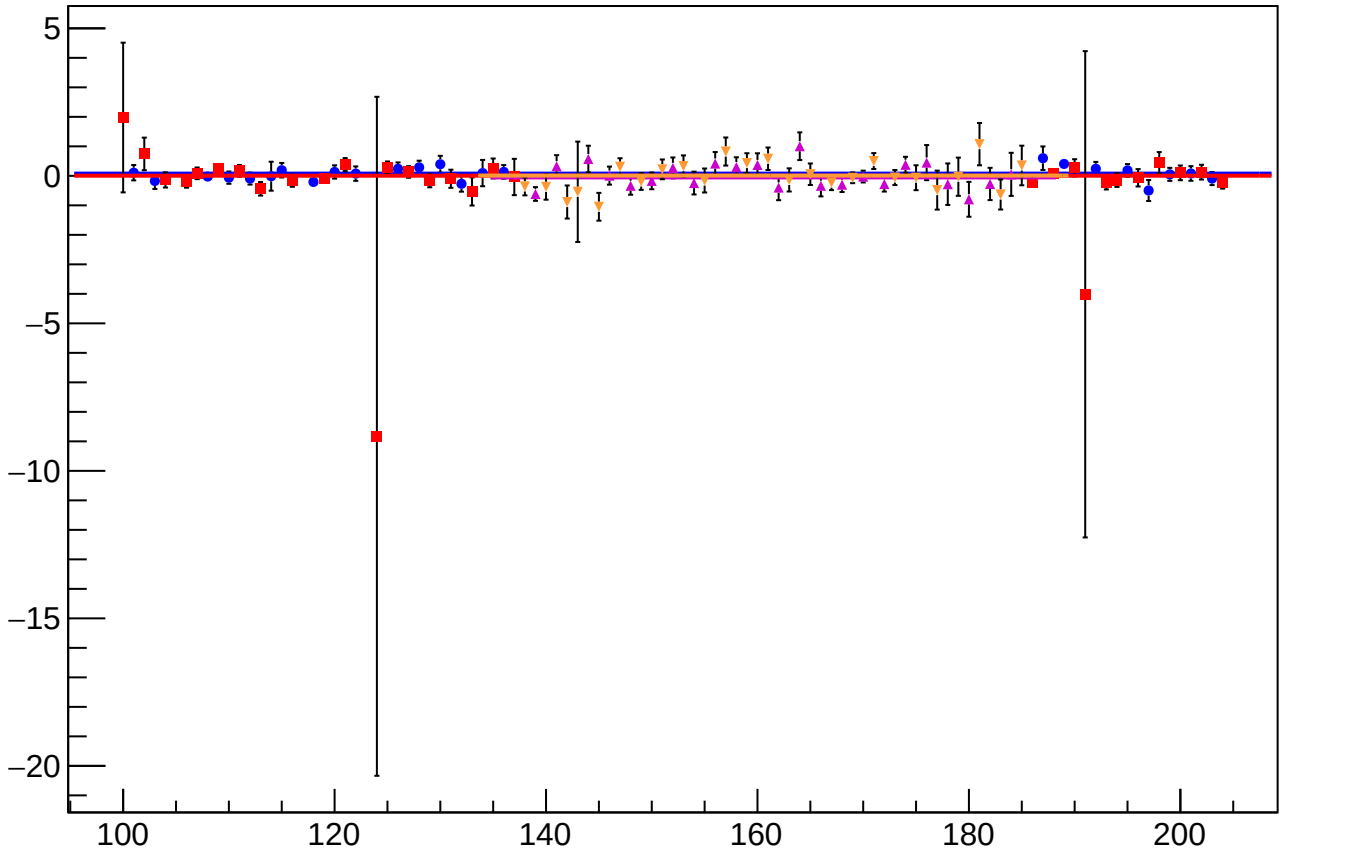
Right Out: 0.008+/-0.000 χ^2/NDF: 5952829.2/29

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 15490234.7/48

All: 0.006+/-0.000 χ^2/NDF: 29807521.8/101

\- sign 0.006+/-0.000 χ^2/NDF: 14315679.1/52



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

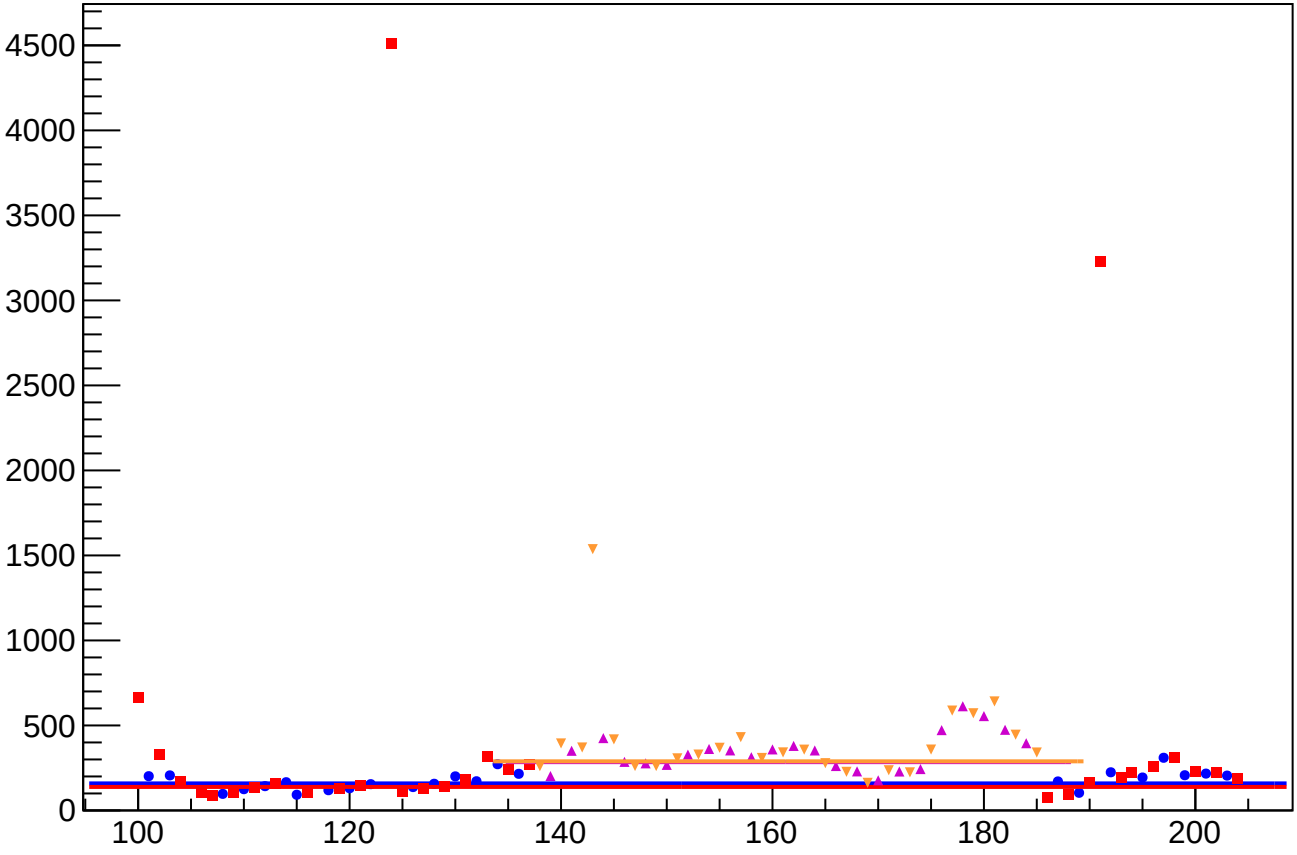
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.056+/-0.039 χ^2/NDF: 50.0/48

All: 0.019+/-0.026 χ^2/NDF: 110.4/101

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

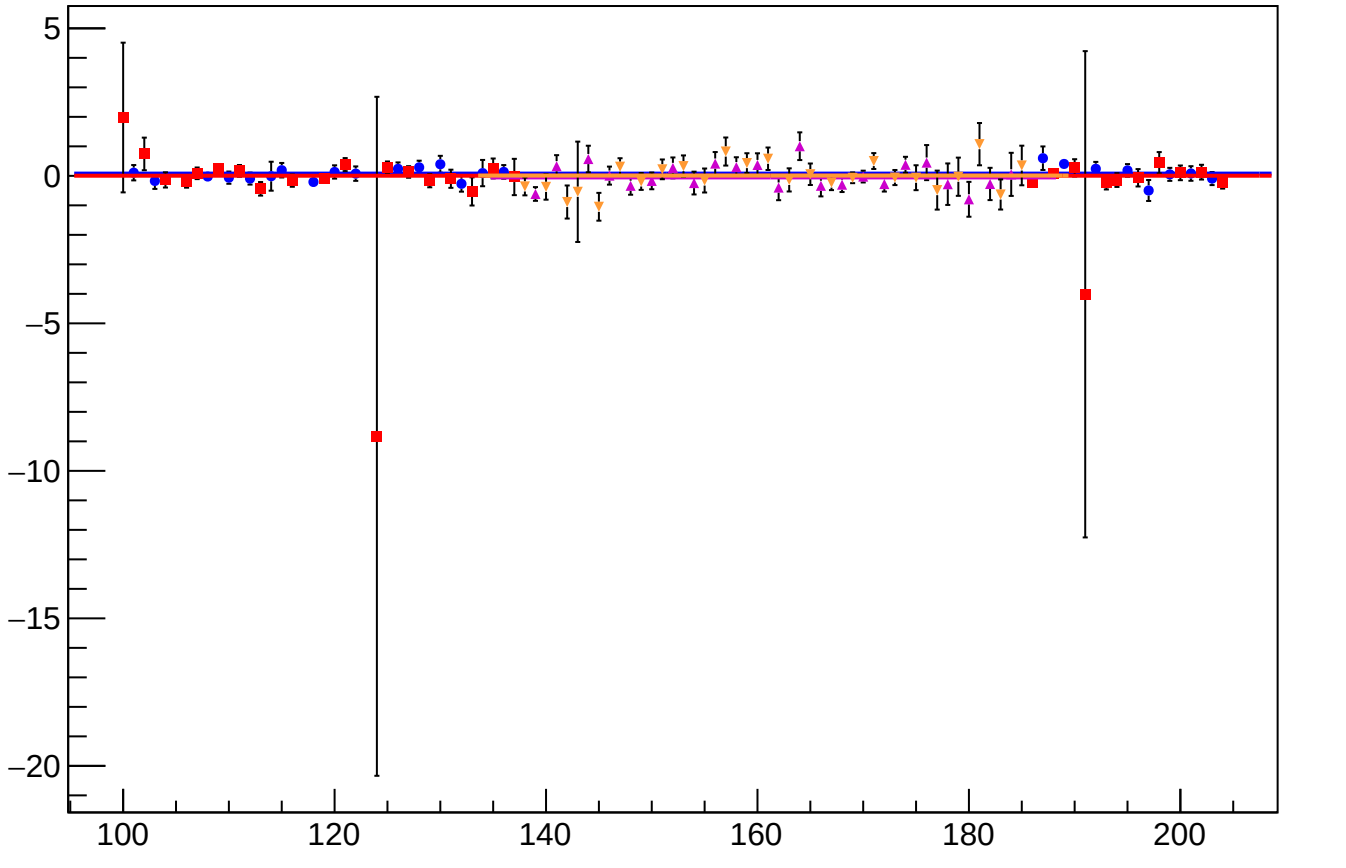
Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 198.480+/-0.028 χ^2/NDF: 11519217.1/48

All: 184.846+/-0.018 χ^2/NDF: 26170986.2/10

- sign 174.038+/-0.025 χ^2/NDF: 14216176.2/52



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

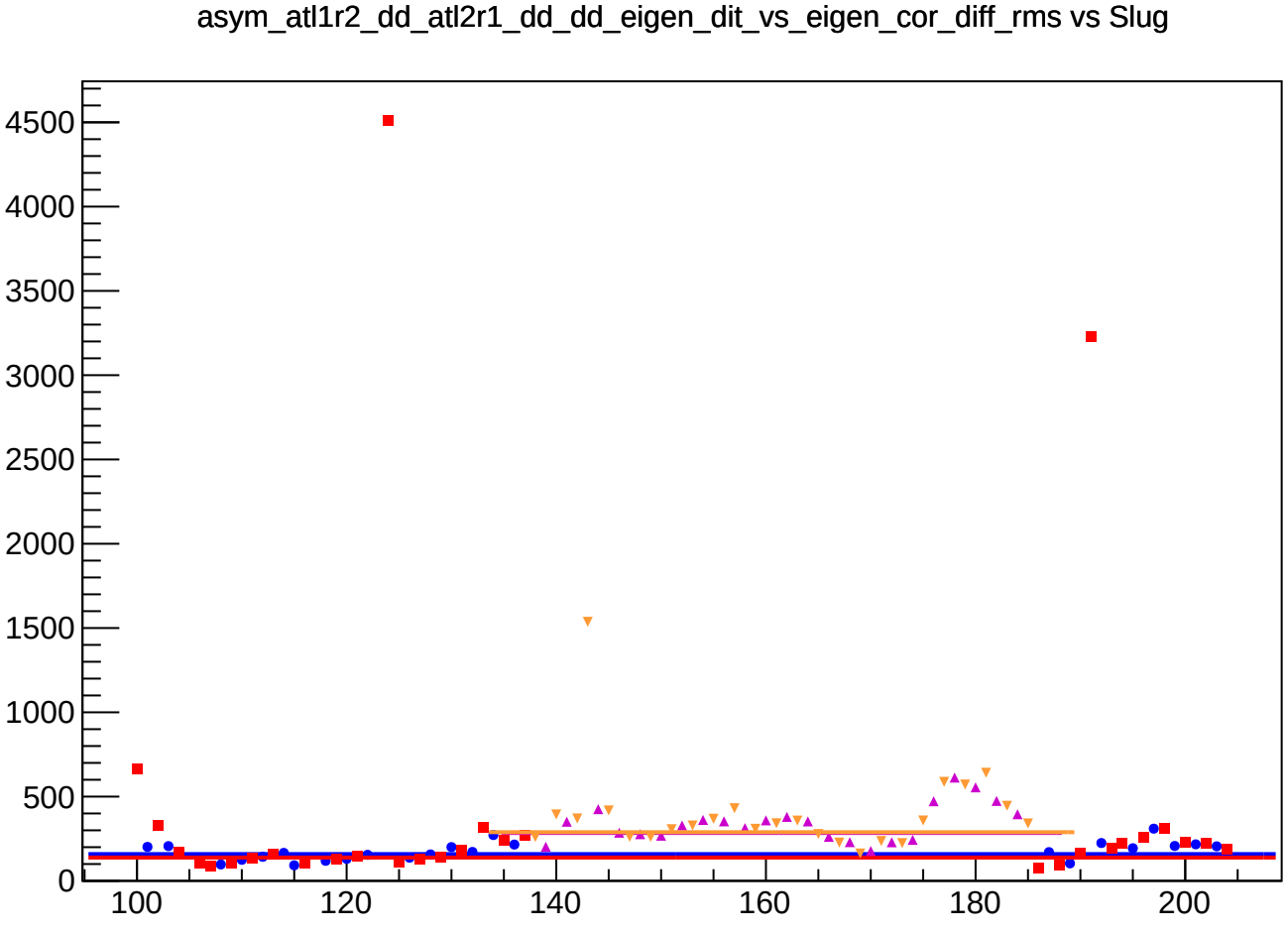
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.056+/-0.039 χ^2/NDF: 50.0/48

All: 0.019+/-0.026 χ^2/NDF: 110.4/101

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

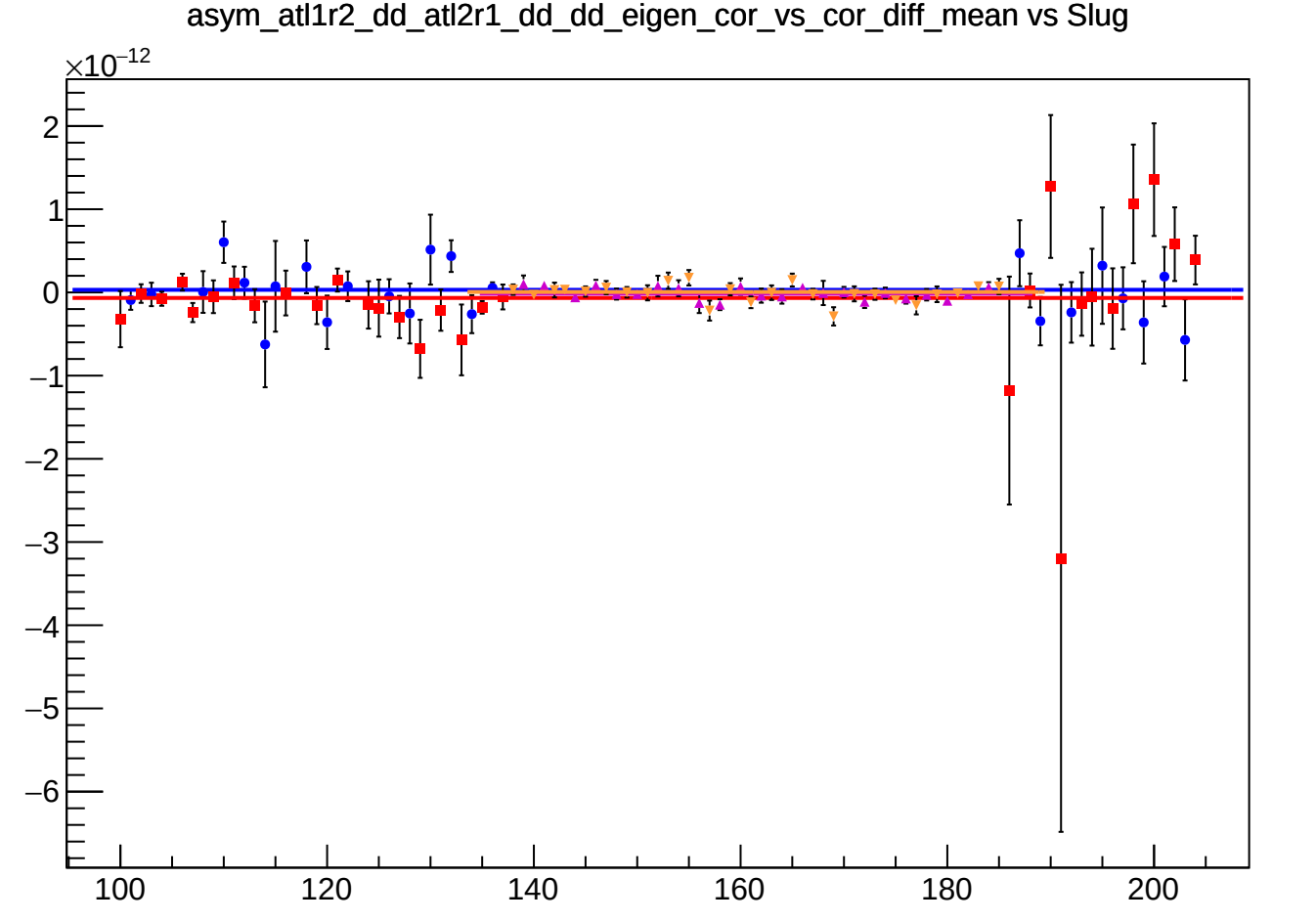
Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 198.480+/-0.028 χ^2/NDF: 11519217.1/48

All: 184.846+/-0.018 χ^2/NDF: 26170986.2/10

- sign 174.038+/-0.025 χ^2/NDF: 14216176.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

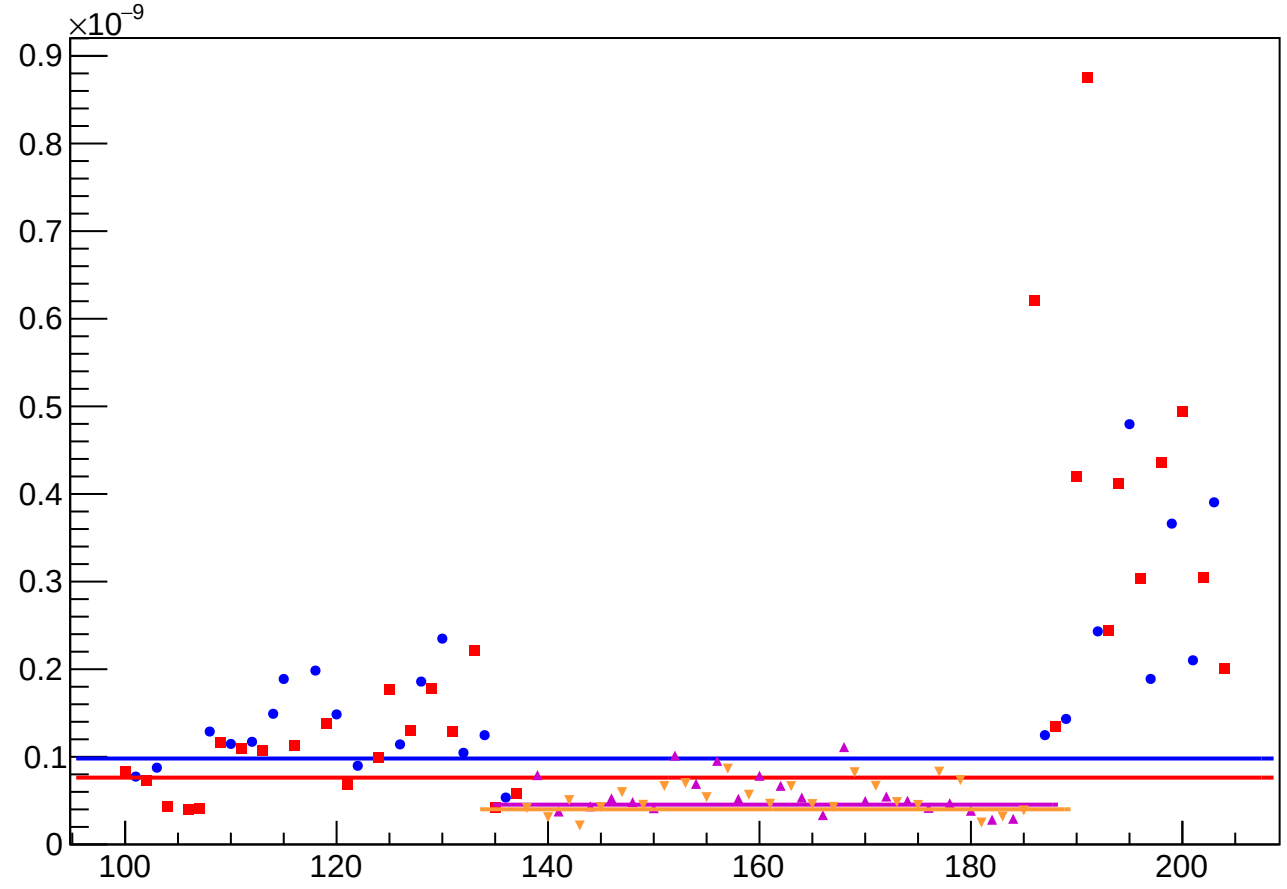
Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/29

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.6/48

All: -0.000+/-0.000 χ^2/NDF: 122.2/101

- sign -0.000+/-0.000 χ^2/NDF: 59.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 4310749.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

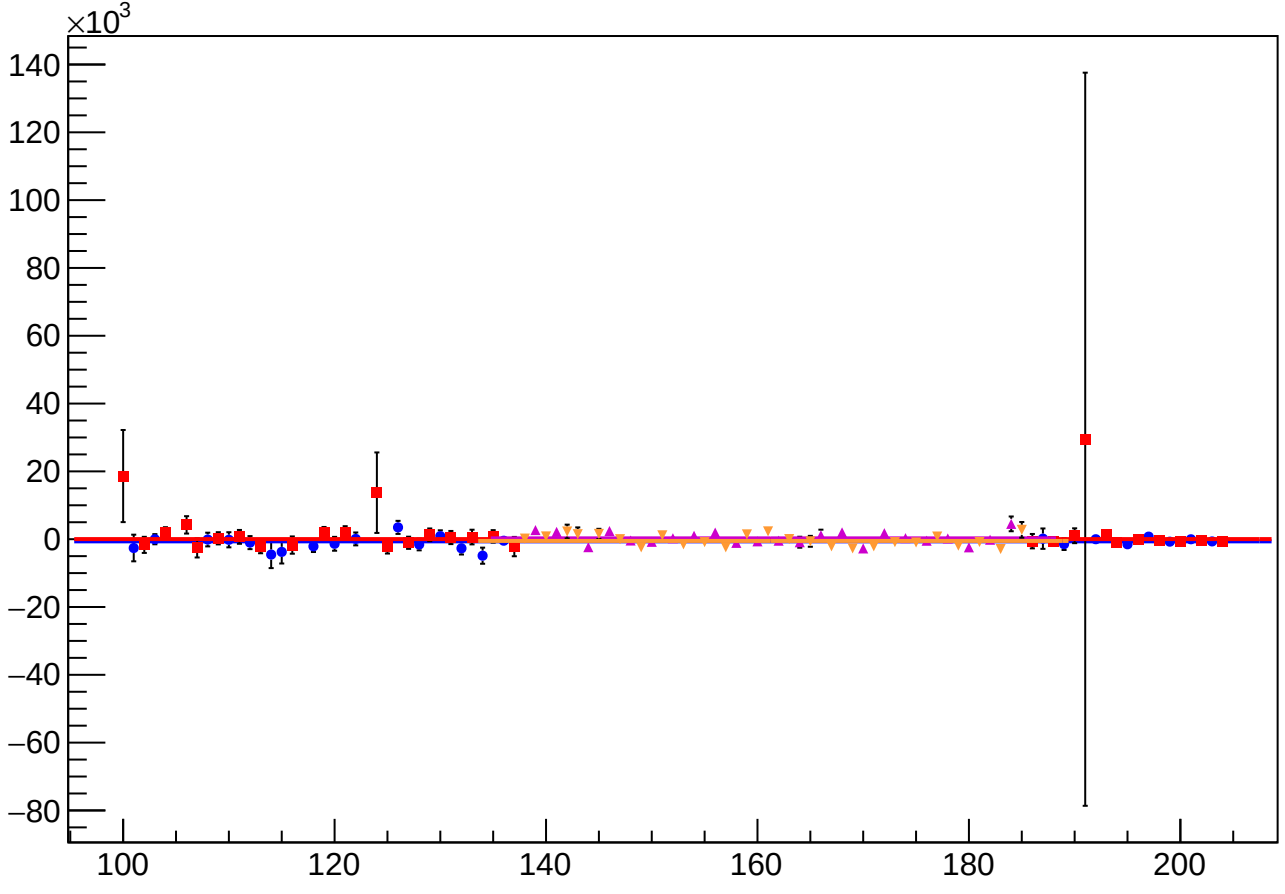
Right Out: 0.000+/-0.000 χ^2/NDF: 6944811.2/29

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11613501.4/48

All: 0.000+/-0.000 χ^2/NDF: 22995873.3/101

- sign 0.000+/-0.000 χ^2/NDF: 11213597.1/52



Right In: -637.841+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 28.225+/-335.351 χ^2/NDF: 18.9/29

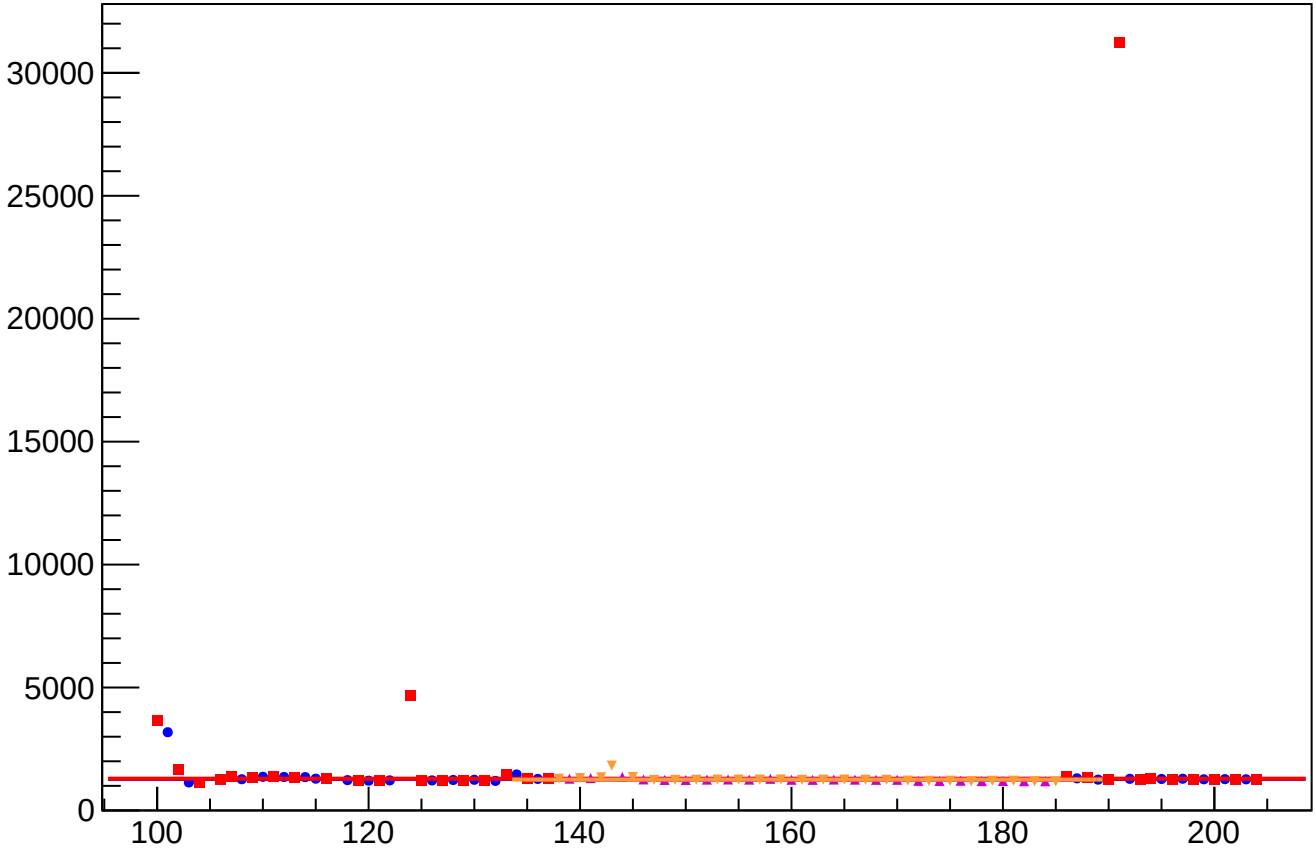
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -562.862+/-222.931 χ^2/NDF: 46.6/48

All: -201.230+/-156.539 χ^2/NDF: 103.0/101

- sign 150.505+/-219.859 χ^2/NDF: 51.2/52

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1281.200+/-0.252 χ^2/NDF: 519673.8/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

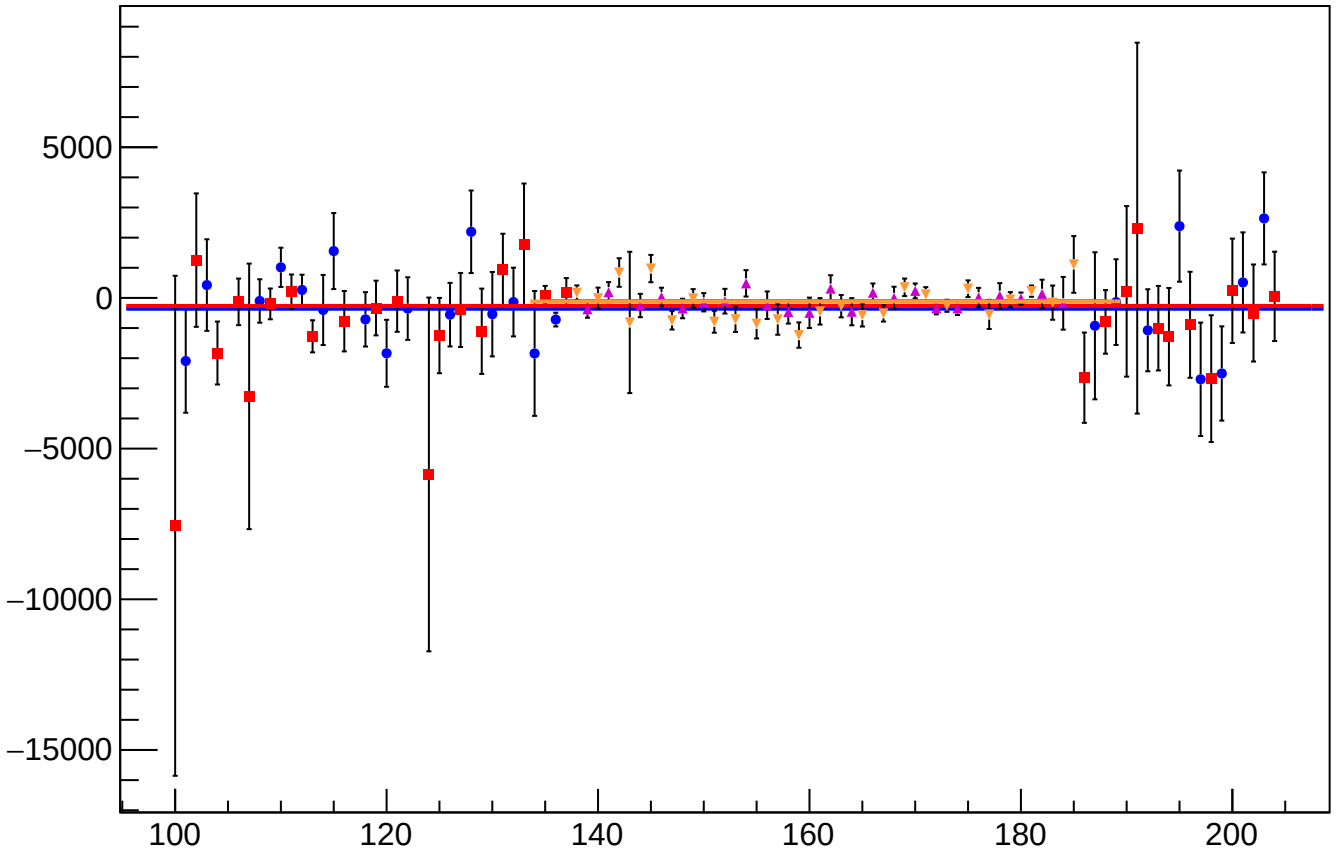
Right Out: 1291.146+/-0.237 χ^2/NDF: 492212.3/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.588+/-0.158 χ^2/NDF: 729127.1/48

All: 1265.597+/-0.111 χ^2/NDF: 1281540.4/10

- sign 1265.607+/-0.155 χ^2/NDF: 552413.3/52



Right In: -358.361+/-161.534 χ^2/NDF: 28.3/23

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

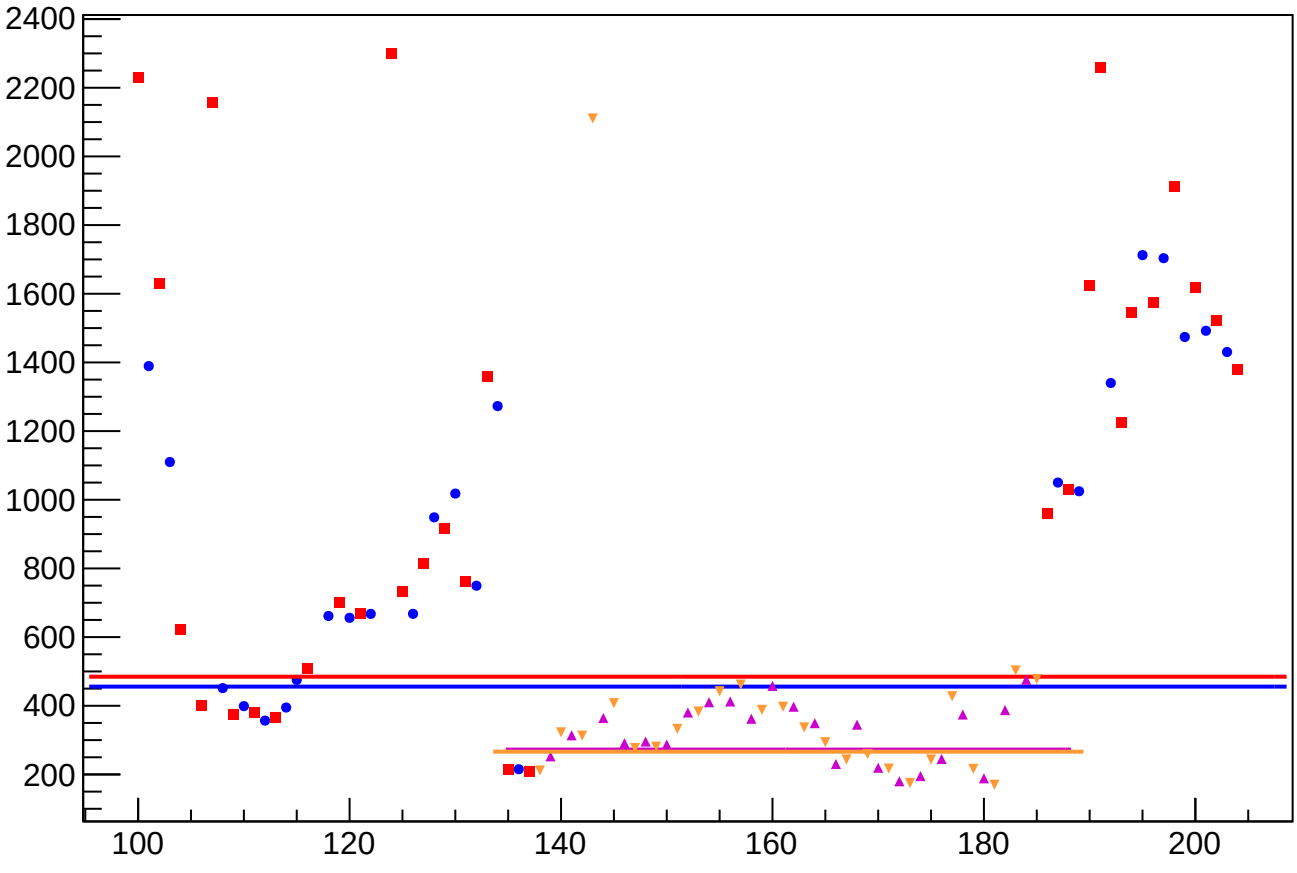
Right Out: -266.533+/-160.363 χ^2/NDF: 20.1/29

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -150.712+/-60.348 χ^2/NDF: 78.6/48

All: -141.094+/-43.184 χ^2/NDF: 113.4/101

\- sign -131.000+/-61.822 χ^2/NDF: 34.7/52



Right In: 455.835+/-0.114 χ^2/NDF: 10162596.3/23

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

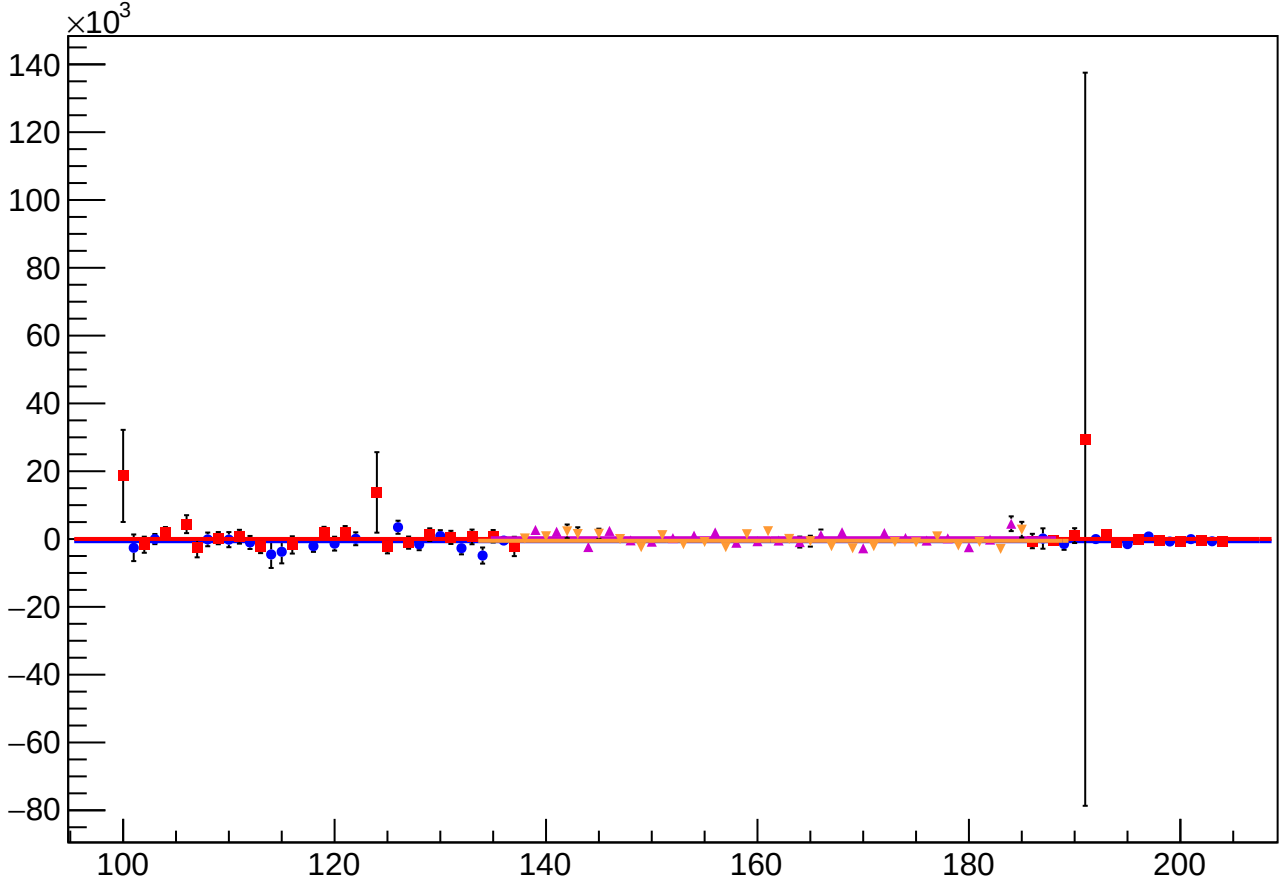
Right Out: 484.674+/-0.113 χ^2/NDF: 11519998.8/29

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 292.772+/-0.043 χ^2/NDF: 17161361.1/48

All: 298.212+/-0.031 χ^2/NDF: 34586969.7/10

- sign 303.921+/-0.044 χ^2/NDF: 17392301.9/52



Right In: -637.671+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 26.634+/-335.523 χ^2/NDF: 18.9/29

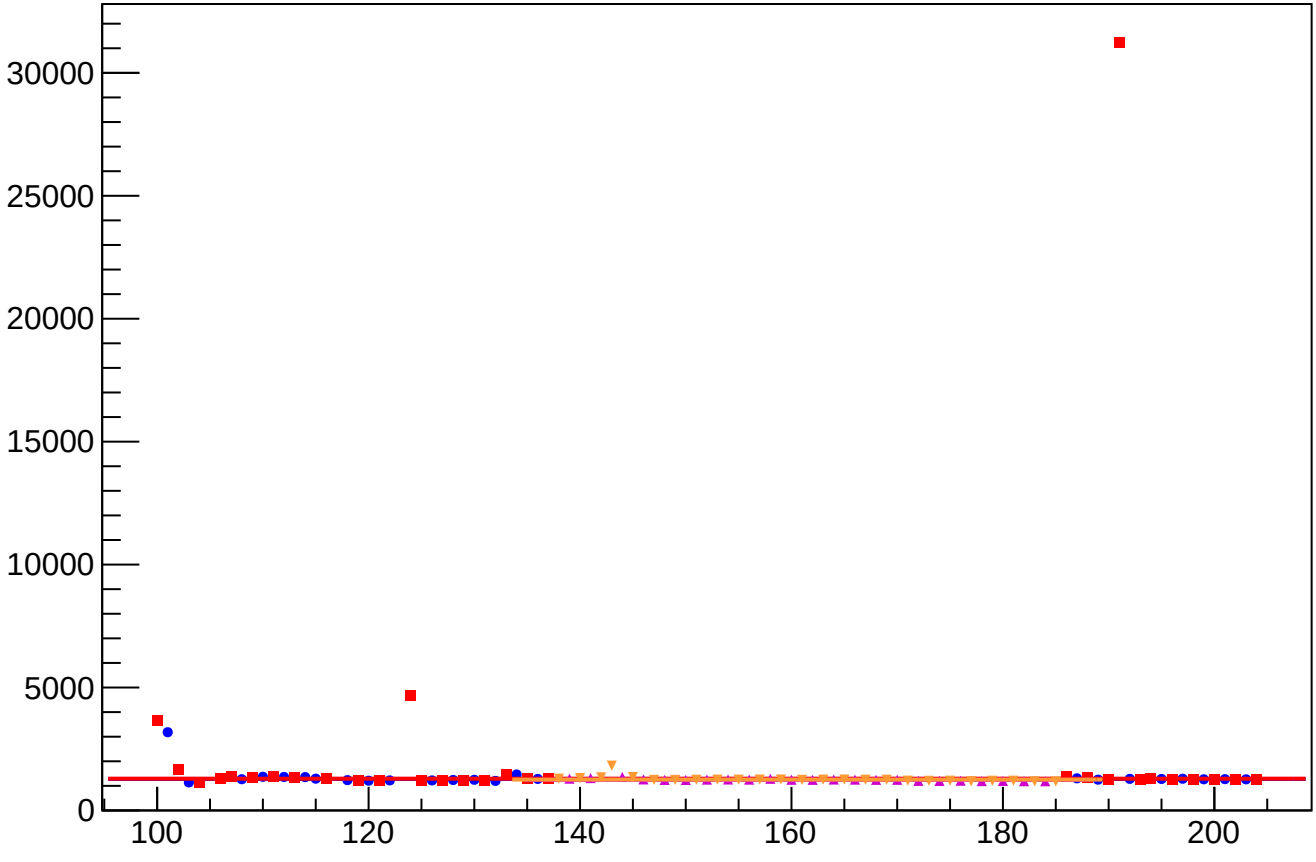
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -562.762+/-222.931 χ^2/NDF: 46.6/48

All: -201.585+/-156.556 χ^2/NDF: 103.0/101

- sign 149.862+/-219.908 χ^2/NDF: 51.2/52

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1281.200+/-0.252 χ^2/NDF: 519675.2/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

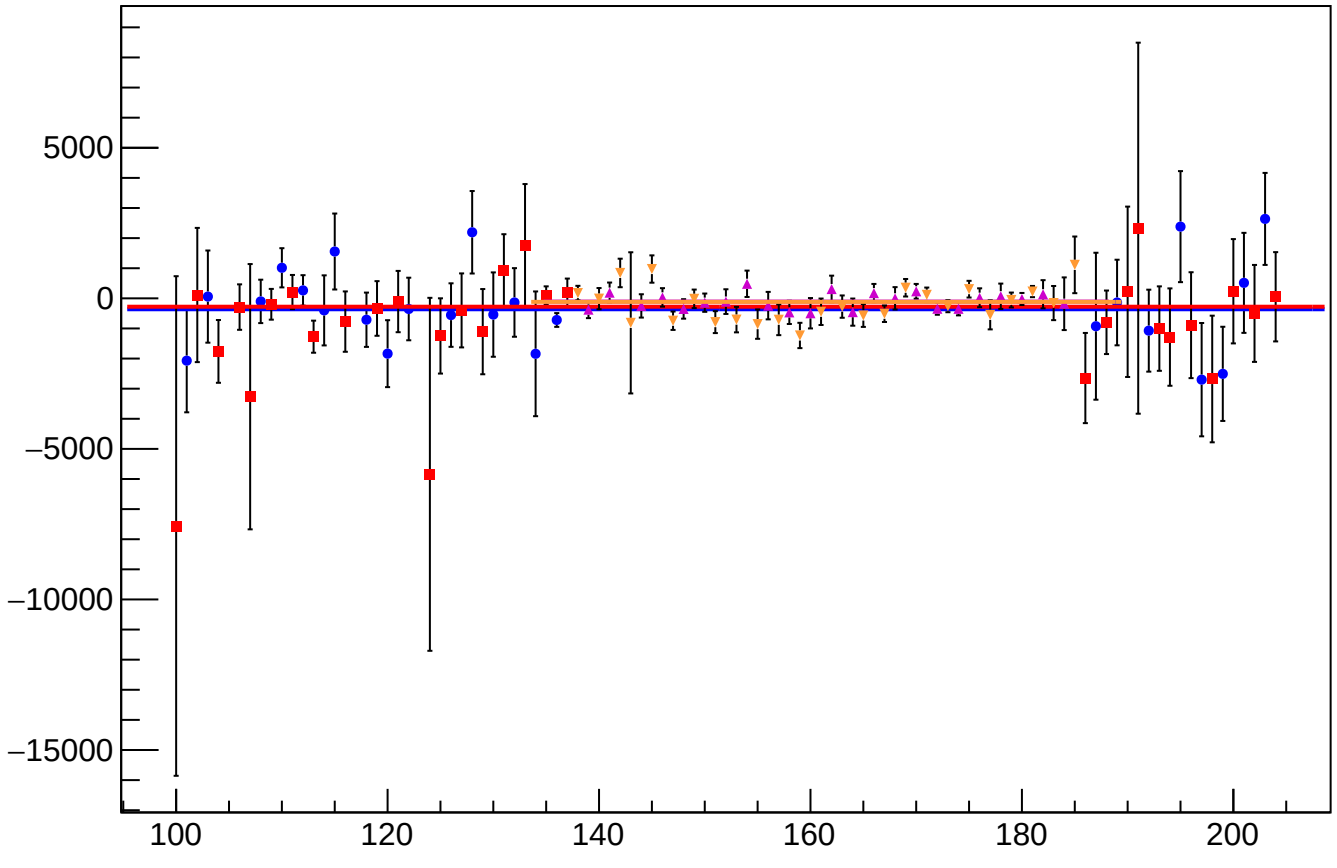
Right Out: 1291.832+/-0.237 χ^2/NDF: 492010.9/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.587+/-0.158 χ^2/NDF: 729128.4/48

All: 1265.741+/-0.111 χ^2/NDF: 1281957.5/10

- sign 1265.890+/-0.155 χ^2/NDF: 552827.2/52



Right In: -362.465+/-161.552 χ^2/NDF: 28.1/23

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

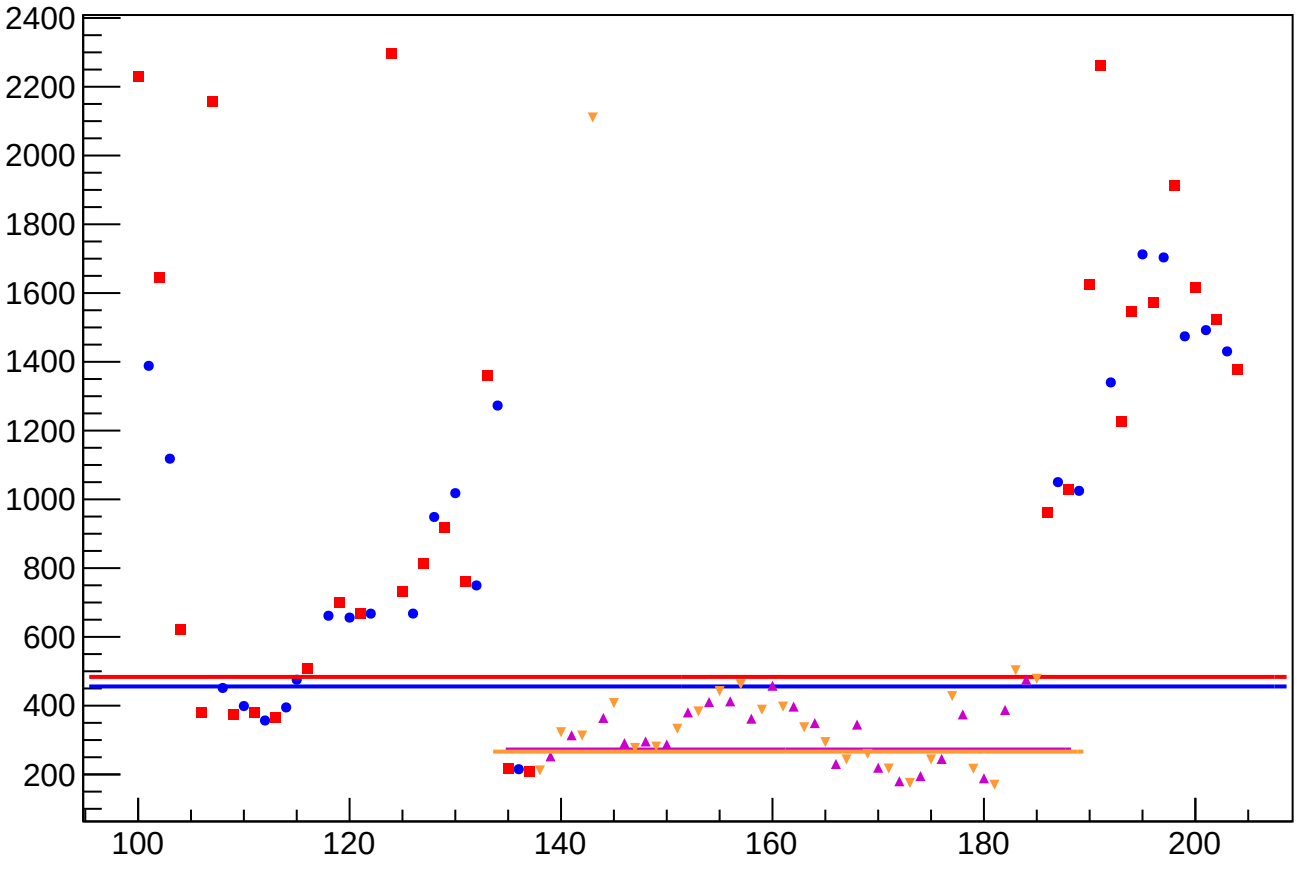
Right Out: -278.179+/-160.196 χ^2/NDF: 19.4/29

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.257+/-60.350 χ^2/NDF: 78.5/48

All: -142.287+/-43.182 χ^2/NDF: 112.7/101

- sign -132.878+/-61.814 χ^2/NDF: 34.1/52



Right In: 455.844+/-0.114 χ^2/NDF: 10165734.7/23

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

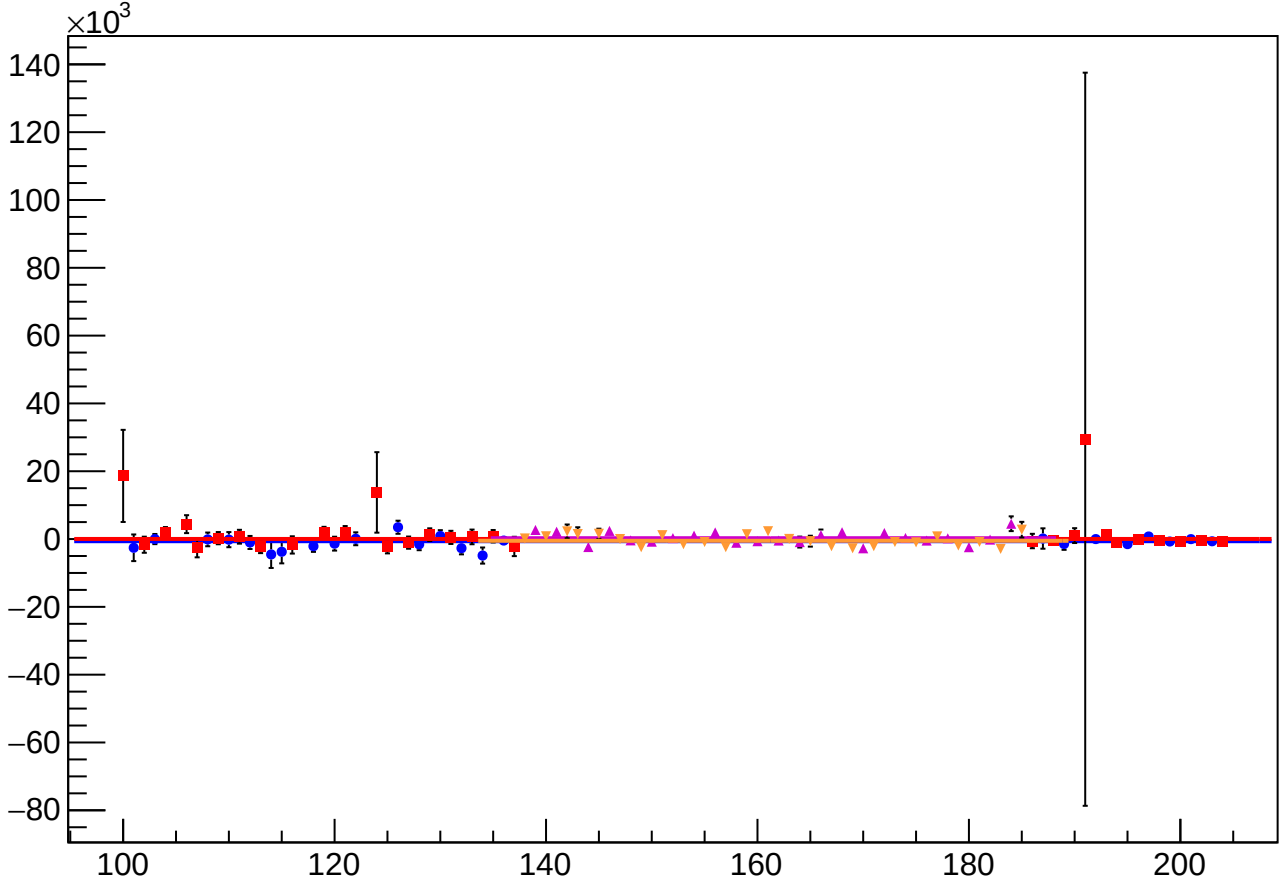
Right Out: 483.622+/-0.113 χ^2/NDF: 11540549.7/29

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 292.774+/-0.043 χ^2/NDF: 17164167.6/48

All: 298.169+/-0.031 χ^2/NDF: 34585011.1/10

- sign 303.830+/-0.044 χ^2/NDF: 17388085.7/52



Right In: -637.671+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 26.634+/-335.523 χ^2/NDF: 18.9/29

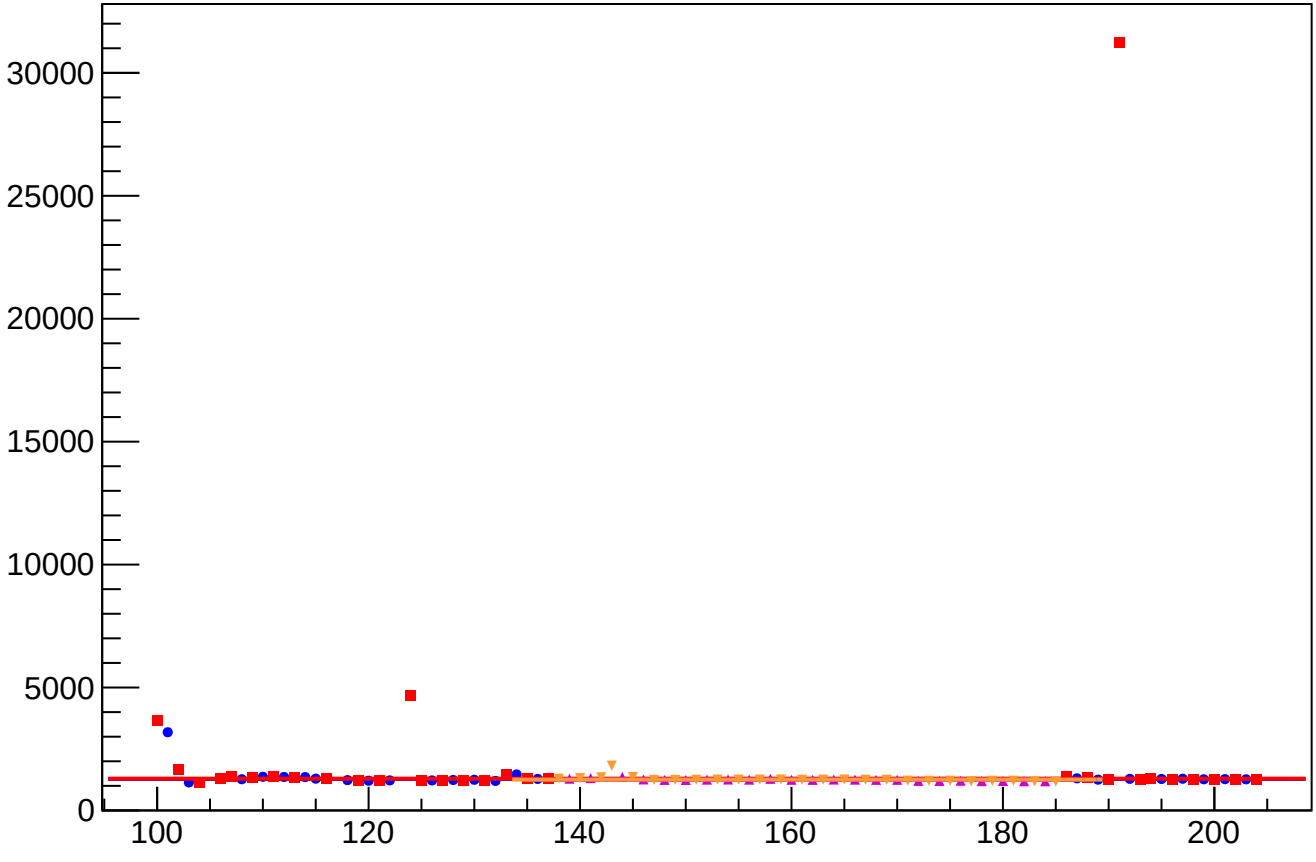
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -562.762+/-222.931 χ^2/NDF: 46.6/48

All: -201.585+/-156.556 χ^2/NDF: 103.0/101

- sign 149.862+/-219.908 χ^2/NDF: 51.2/52

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1281.200+/-0.252 χ^2/NDF: 519675.2/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

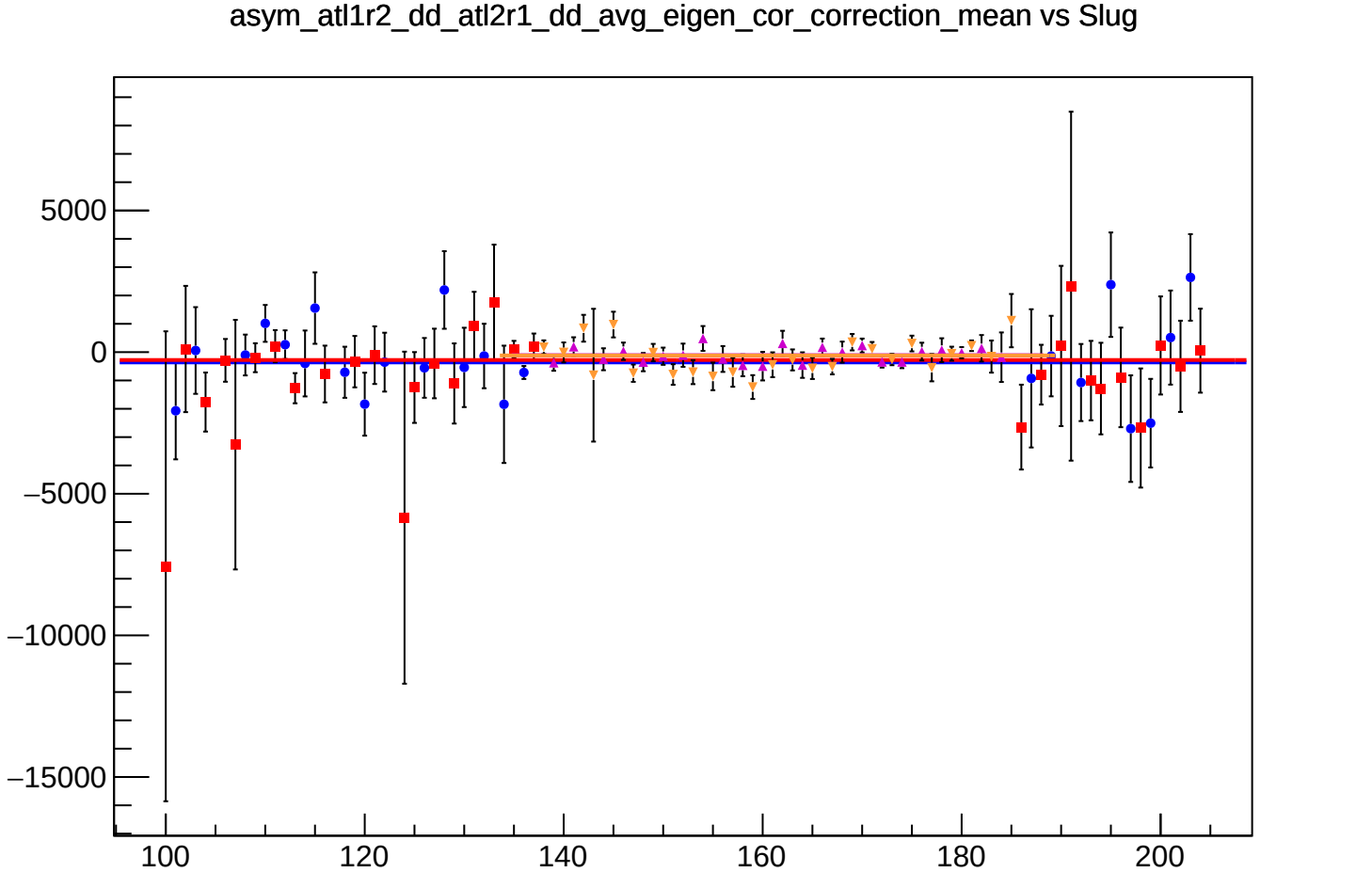
Right Out: 1291.832+/-0.237 χ^2/NDF: 492010.9/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.587+/-0.158 χ^2/NDF: 729128.4/48

All: 1265.741+/-0.111 χ^2/NDF: 1281957.5/10

- sign 1265.890+/-0.155 χ^2/NDF: 552827.2/52



Right In: -362.465+/-161.552 χ^2/NDF: 28.1/23

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

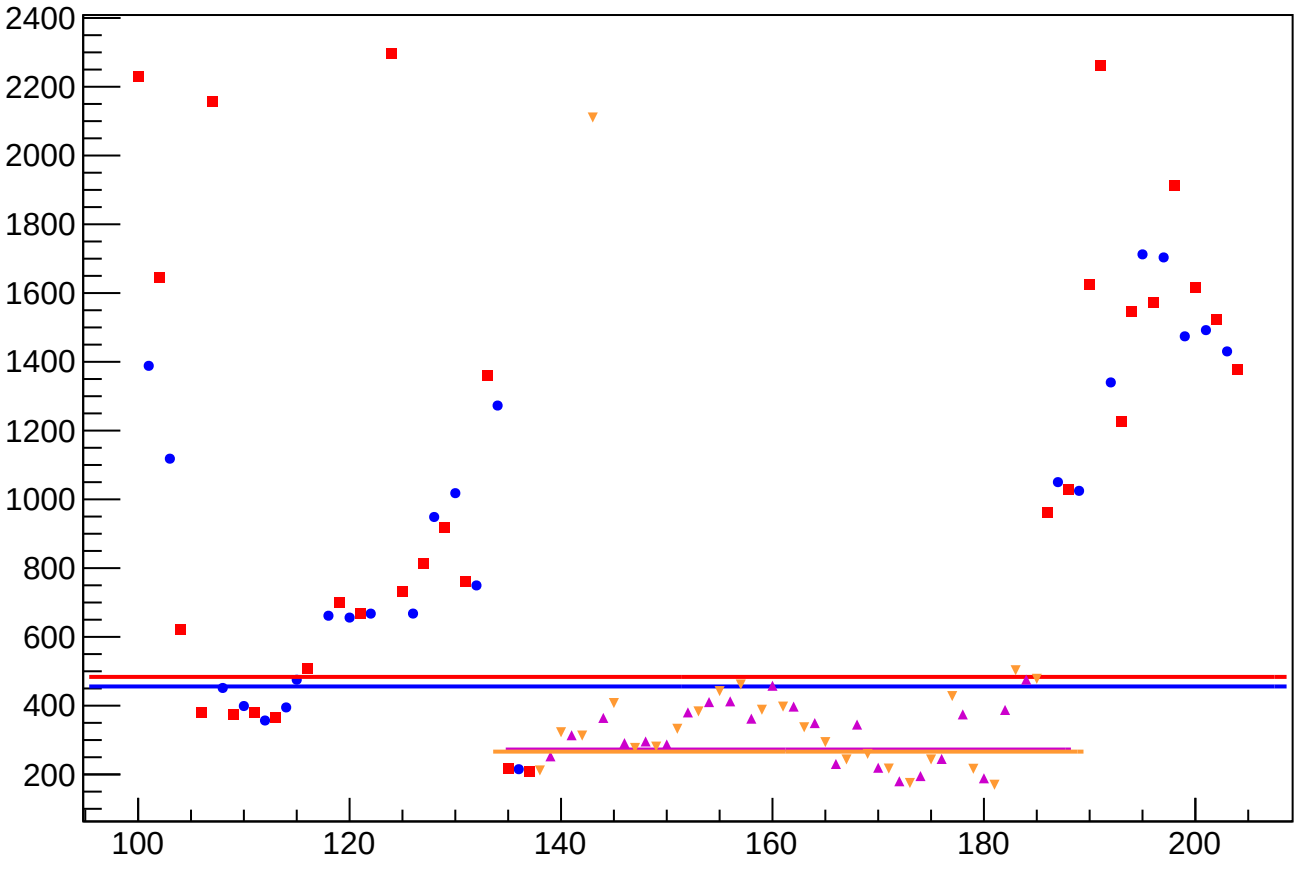
Right Out: -278.179+/-160.196 χ^2/NDF: 19.4/29

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.257+/-60.350 χ^2/NDF: 78.5/48

All: -142.287+/-43.182 χ^2/NDF: 112.7/101

- sign -132.878+/-61.814 χ^2/NDF: 34.1/52



Right In: 455.844+/-0.114 χ^2/NDF: 10165734.7/23

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

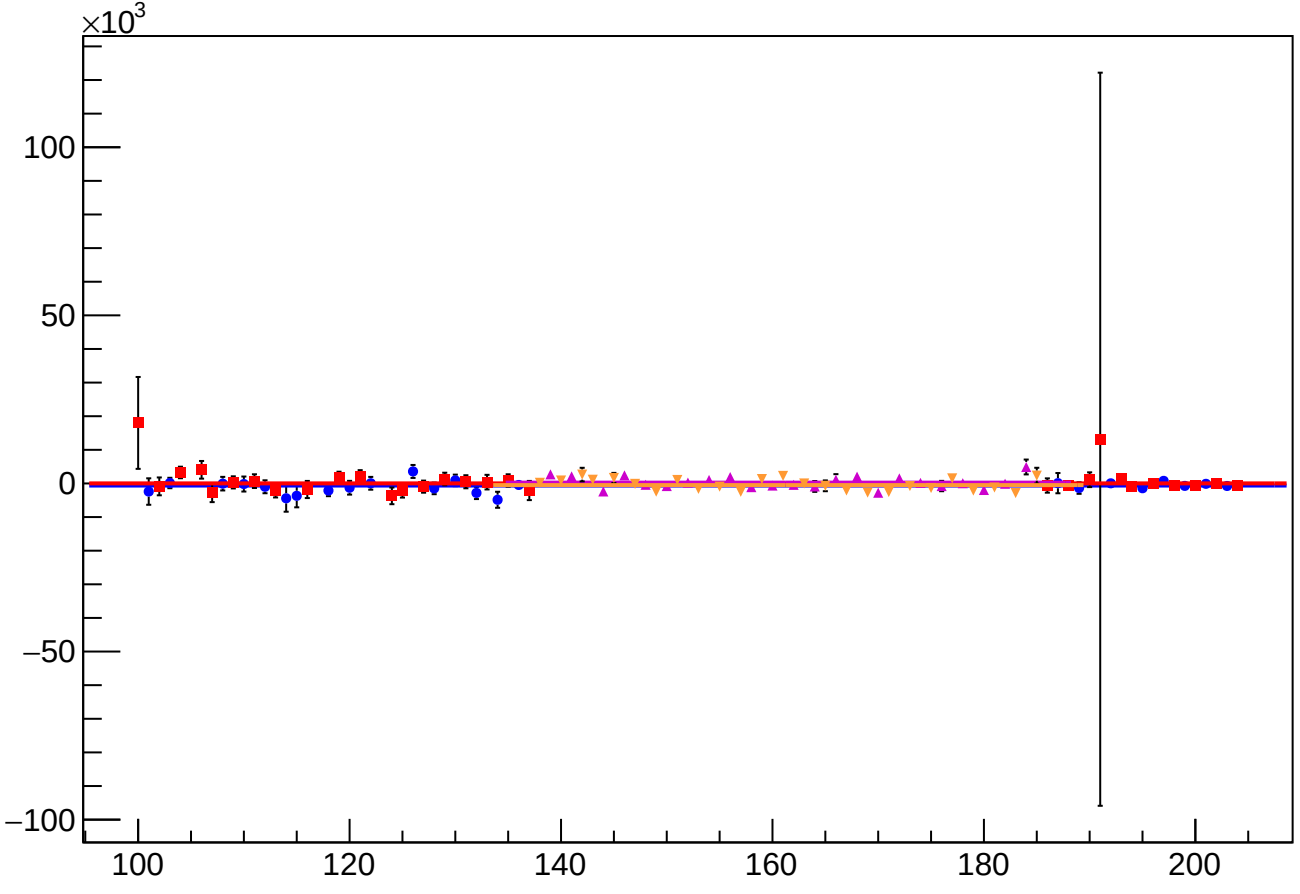
Right Out: 483.622+/-0.113 χ^2/NDF: 11540549.7/29

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 292.774+/-0.043 χ^2/NDF: 17164167.6/48

All: 298.169+/-0.031 χ^2/NDF: 34585011.1/10

- sign 303.830+/-0.044 χ^2/NDF: 17388085.7/52



Right In: -623.243+/-357.219 χ^2/NDF: 15.7/23

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 19.491+/-334.631 χ^2/NDF: 20.7/29

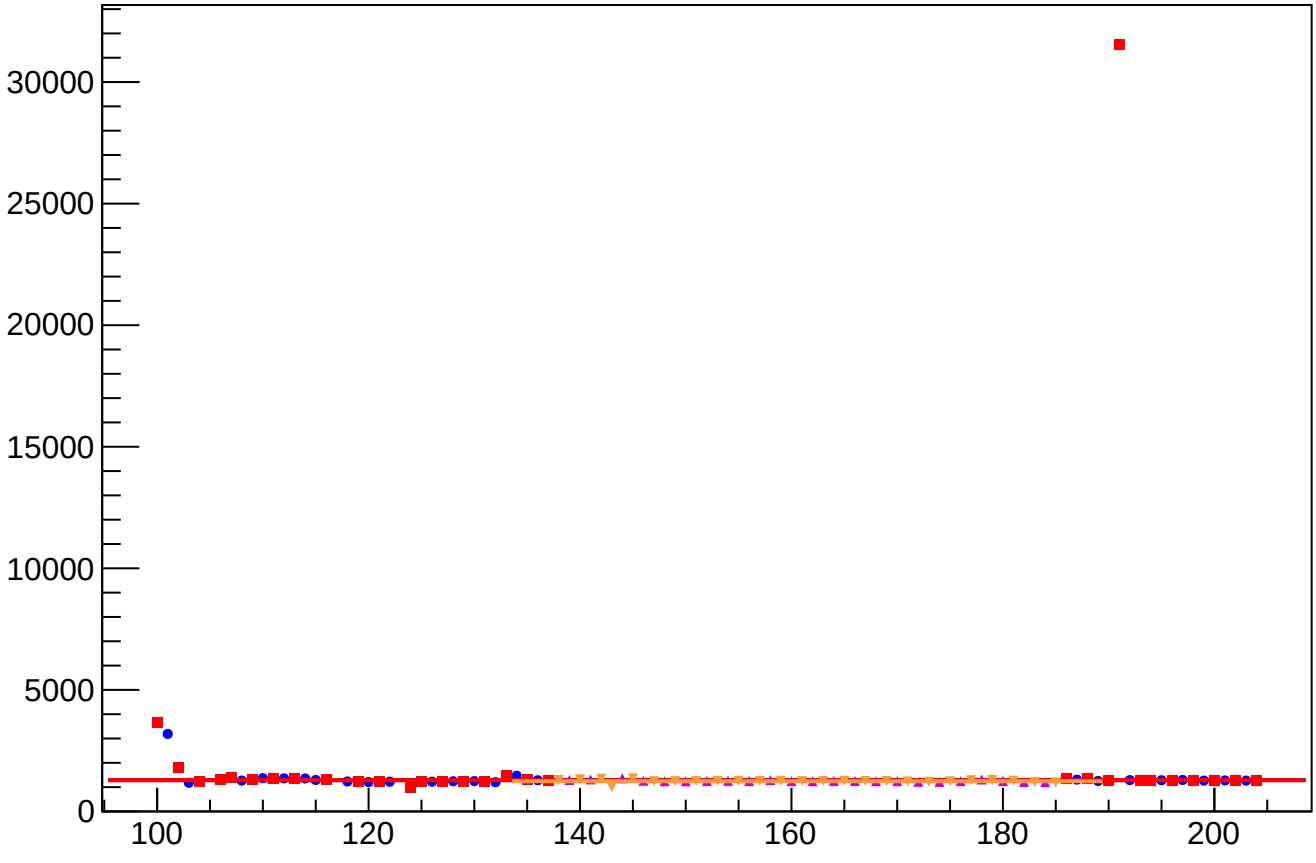
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -543.433+/-221.696 χ^2/NDF: 49.9/48

All: -198.177+/-156.519 χ^2/NDF: 106.4/101

- sign 144.943+/-221.009 χ^2/NDF: 51.7/52

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1285.782+/-0.253 χ^2/NDF: 511383.7/23

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

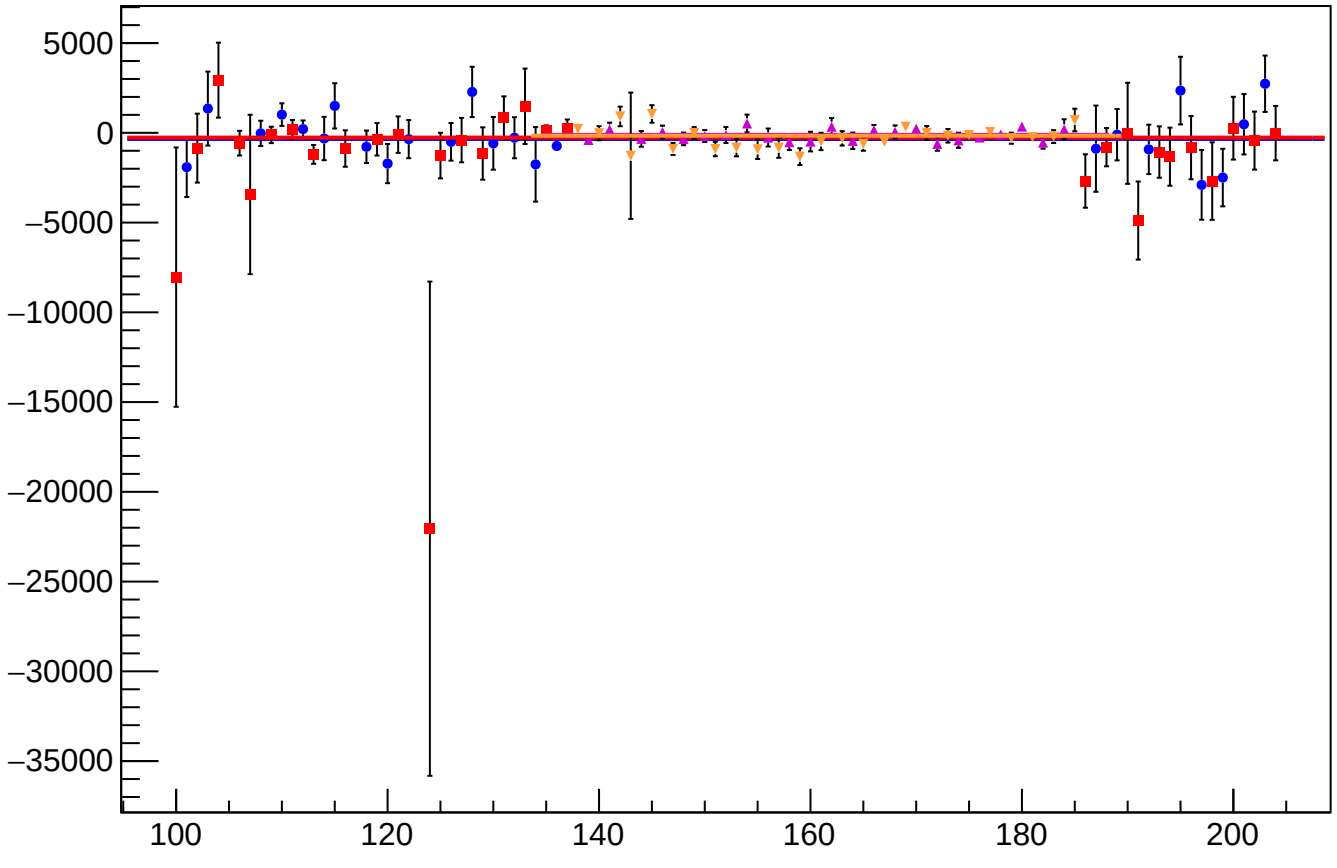
Right Out: 1288.644+/-0.237 χ^2/NDF: 373602.5/29

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1259.195+/-0.157 χ^2/NDF: 659426.8/48

All: 1265.892+/-0.111 χ^2/NDF: 1072808.5/10

- sign 1272.548+/-0.156 χ^2/NDF: 409742.9/52



Right In: -340.944+/-163.302 χ^2/NDF: 28.3/23

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

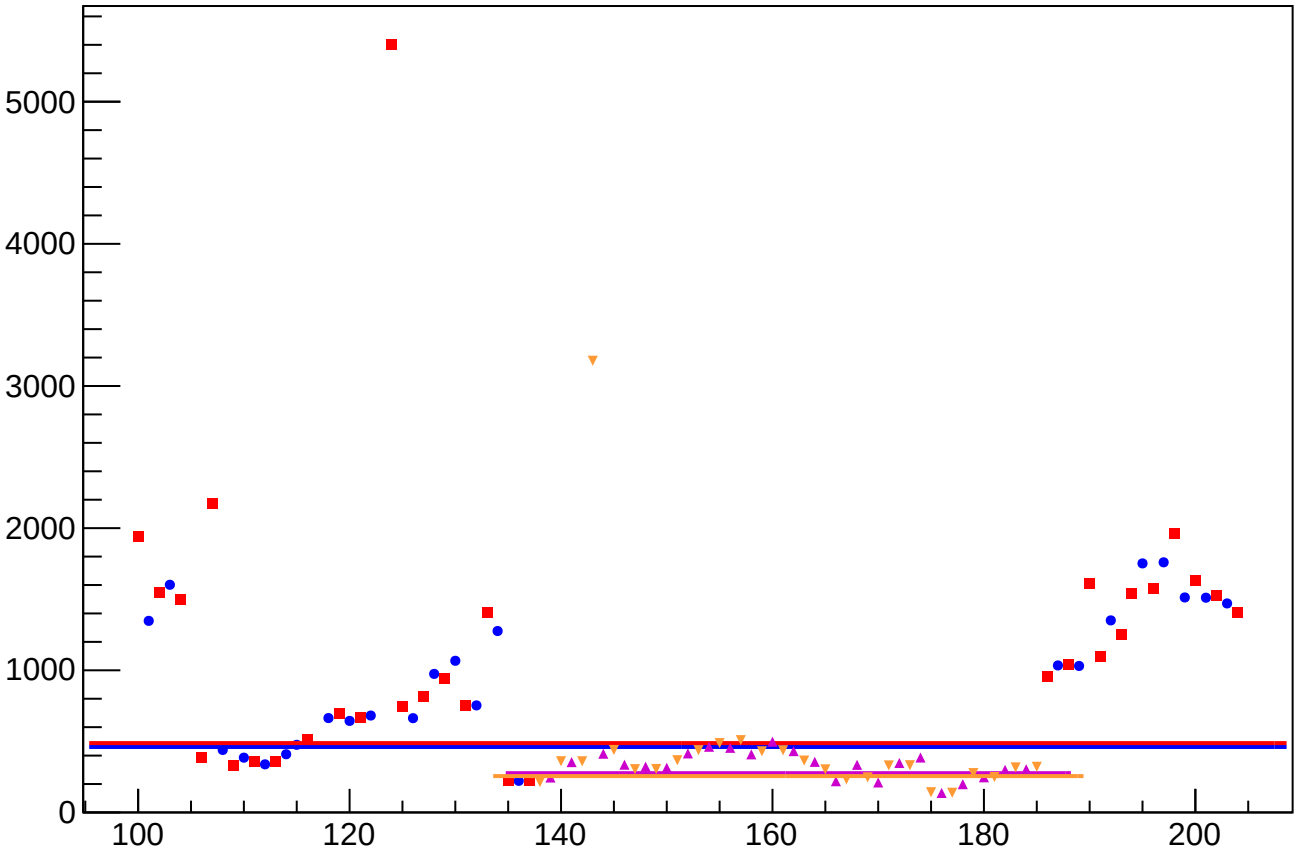
Right Out: -267.014+/-160.204 χ^2/NDF: 25.9/29

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -184.984+/-59.694 χ^2/NDF: 73.2/48

All: -162.668+/-43.412 χ^2/NDF: 118.3/101

- sign -137.615+/-63.248 χ^2/NDF: 44.9/52



Right In: 460.680+/-0.115 χ^2/NDF: 10323506.0/23

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

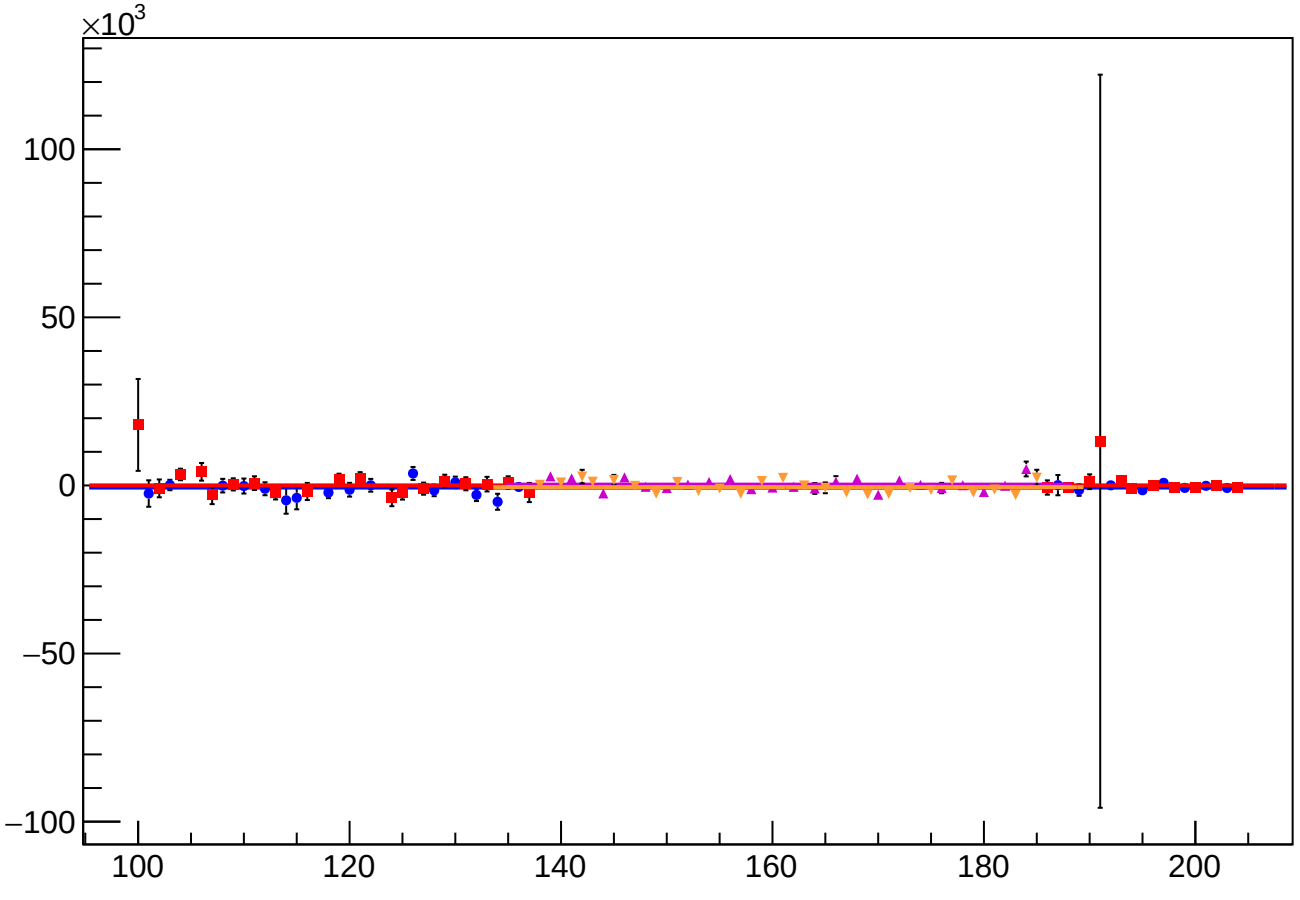
Right Out: 487.908+/-0.113 χ^2/NDF: 12055652.5/29

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 283.149+/-0.042 χ^2/NDF: 19425700.3/48

All: 295.460+/-0.031 χ^2/NDF: 38634898.8/10

- sign 309.281+/-0.045 χ^2/NDF: 19028627.6/52



Right In: -623.245+/-357.219 χ^2/NDF: 15.7/23

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 19.490+/-334.631 χ^2/NDF: 20.7/29

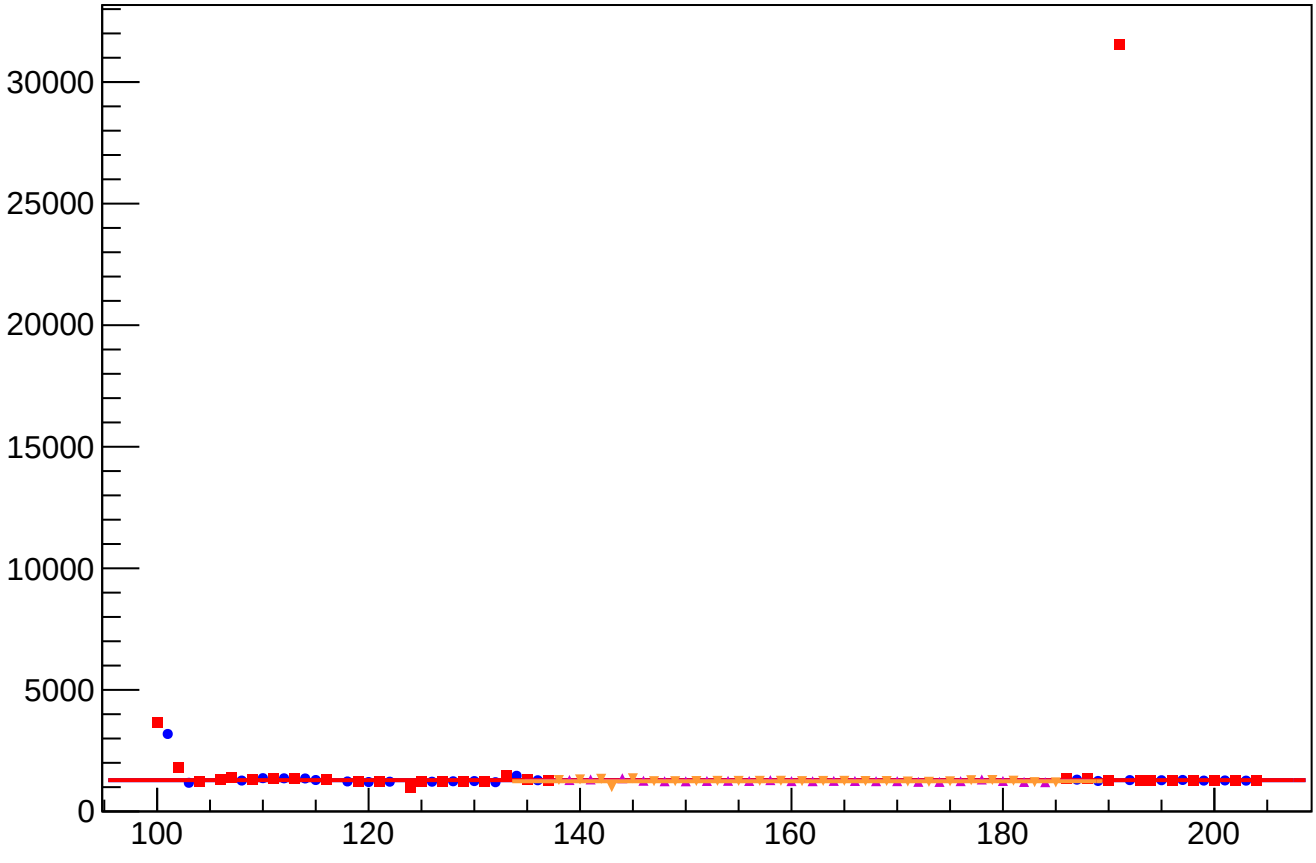
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -543.433+/-221.696 χ^2/NDF: 49.9/48

All: -198.177+/-156.519 χ^2/NDF: 106.4/101

- sign 144.943+/-221.009 χ^2/NDF: 51.7/52

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1285.782+/-0.253 χ^2/NDF: 511383.7/23

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

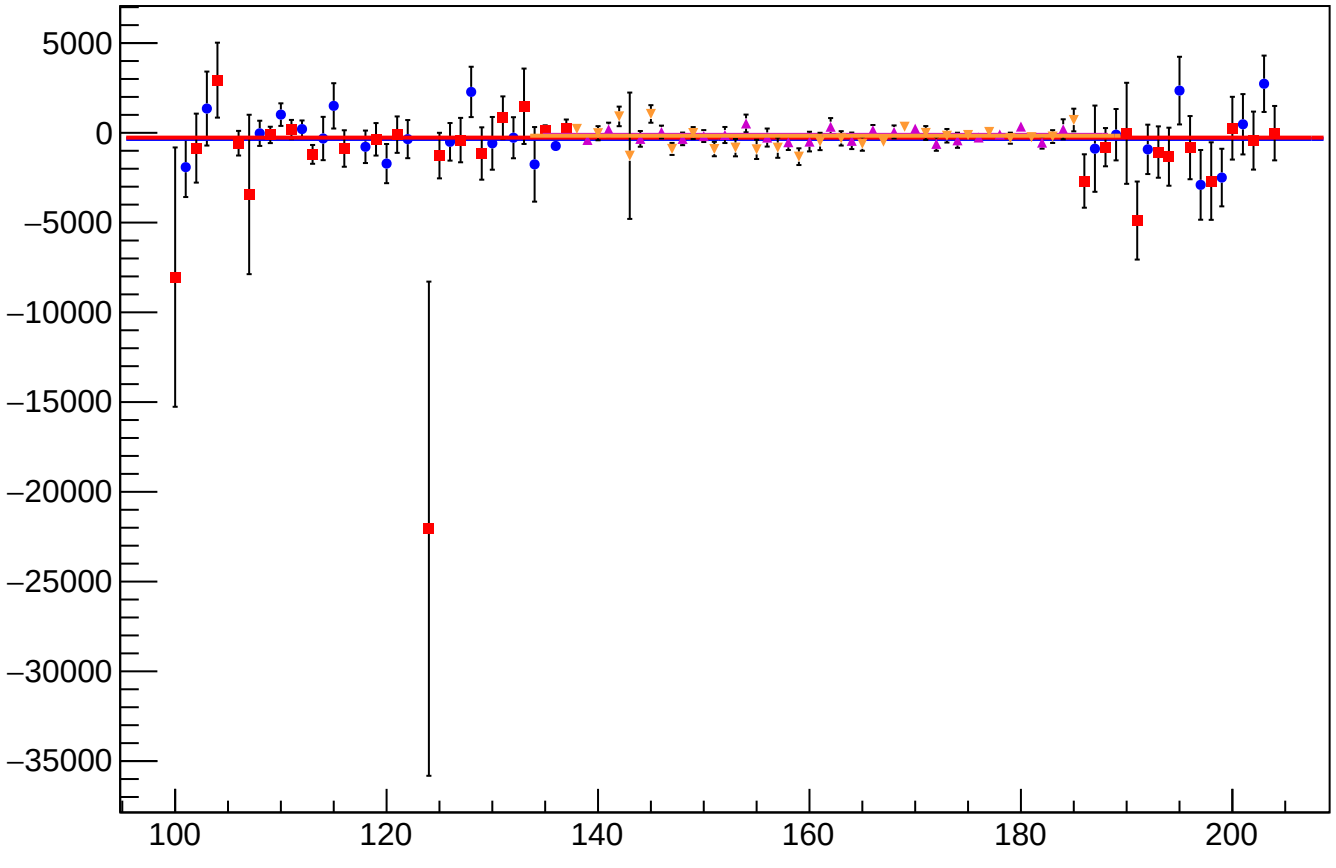
Right Out: 1288.644+/-0.237 χ^2/NDF: 373602.8/29

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1259.195+/-0.157 χ^2/NDF: 659425.9/48

All: 1265.892+/-0.111 χ^2/NDF: 1072807.9/10

- sign 1272.548+/-0.156 χ^2/NDF: 409743.3/52



Right In: -340.944+/-163.305 χ^2/NDF: 28.3/23

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

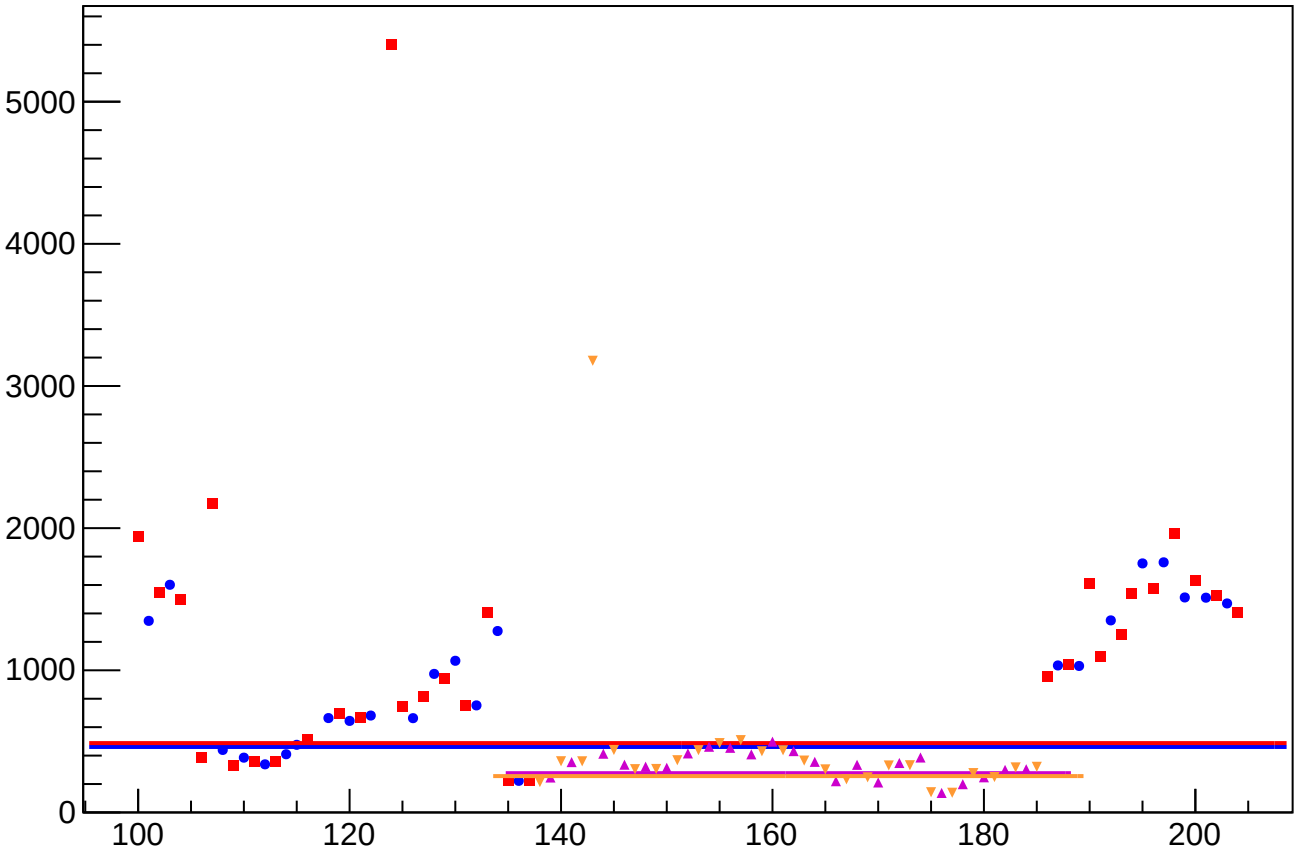
Right Out: -267.022+/-160.206 χ^2/NDF: 25.9/29

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -184.986+/-59.695 χ^2/NDF: 73.2/48

All: -162.669+/-43.413 χ^2/NDF: 118.3/101

- sign -137.614+/-63.249 χ^2/NDF: 44.9/52



Right In: 460.692+/-0.115 χ^2/NDF: 10323205.6/23

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 487.918+/-0.113 χ^2/NDF: 12055388.0/29

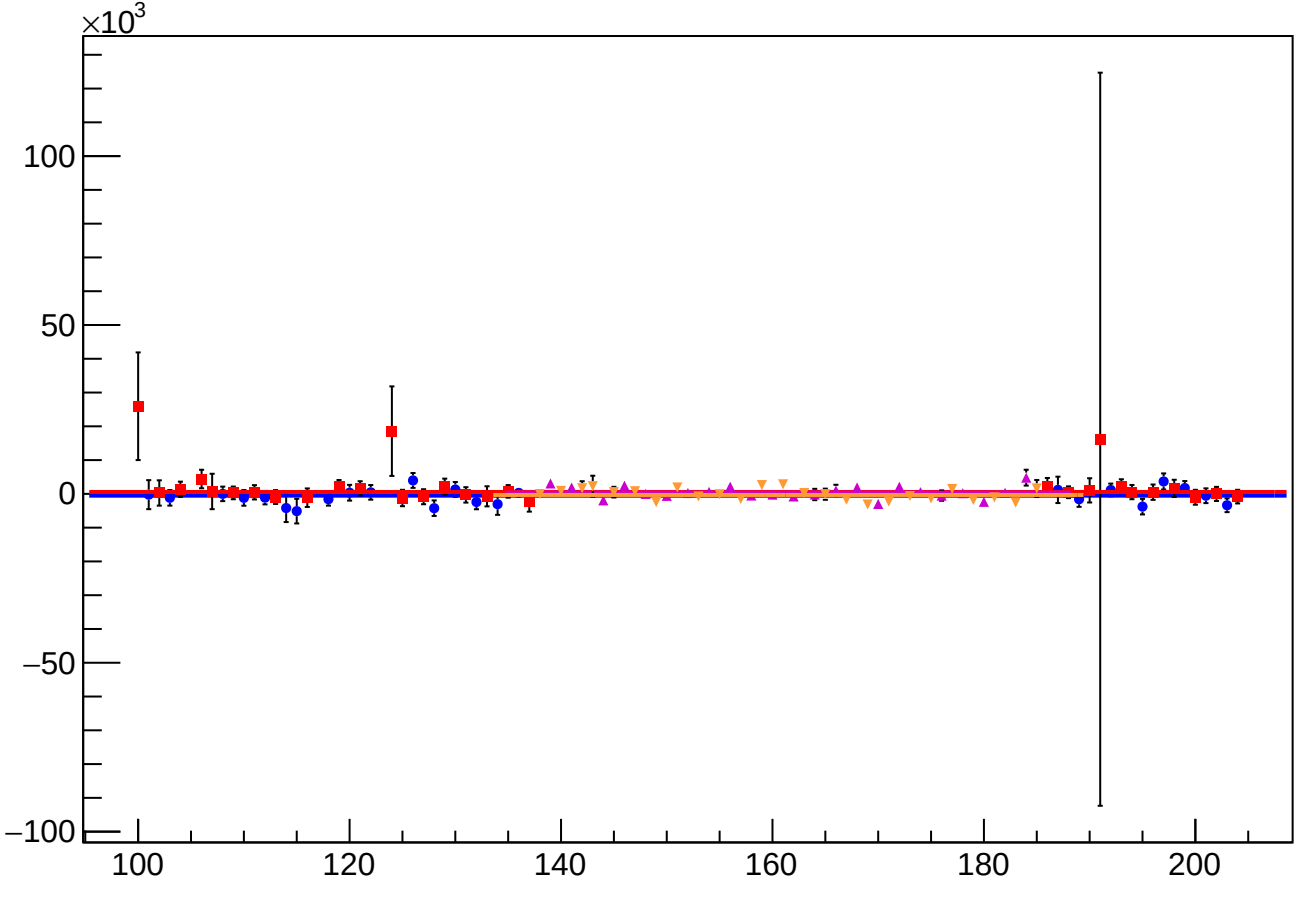
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 283.151+/-0.042 χ^2/NDF: 19425499.8/48

All: 295.462+/-0.031 χ^2/NDF: 38634569.8/10

- sign 309.283+/-0.045 χ^2/NDF: 19028512.2/52

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -527.023+/-459.810 χ^2/NDF: 21.9/23

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 567.706+/-440.175 χ^2/NDF: 13.7/29

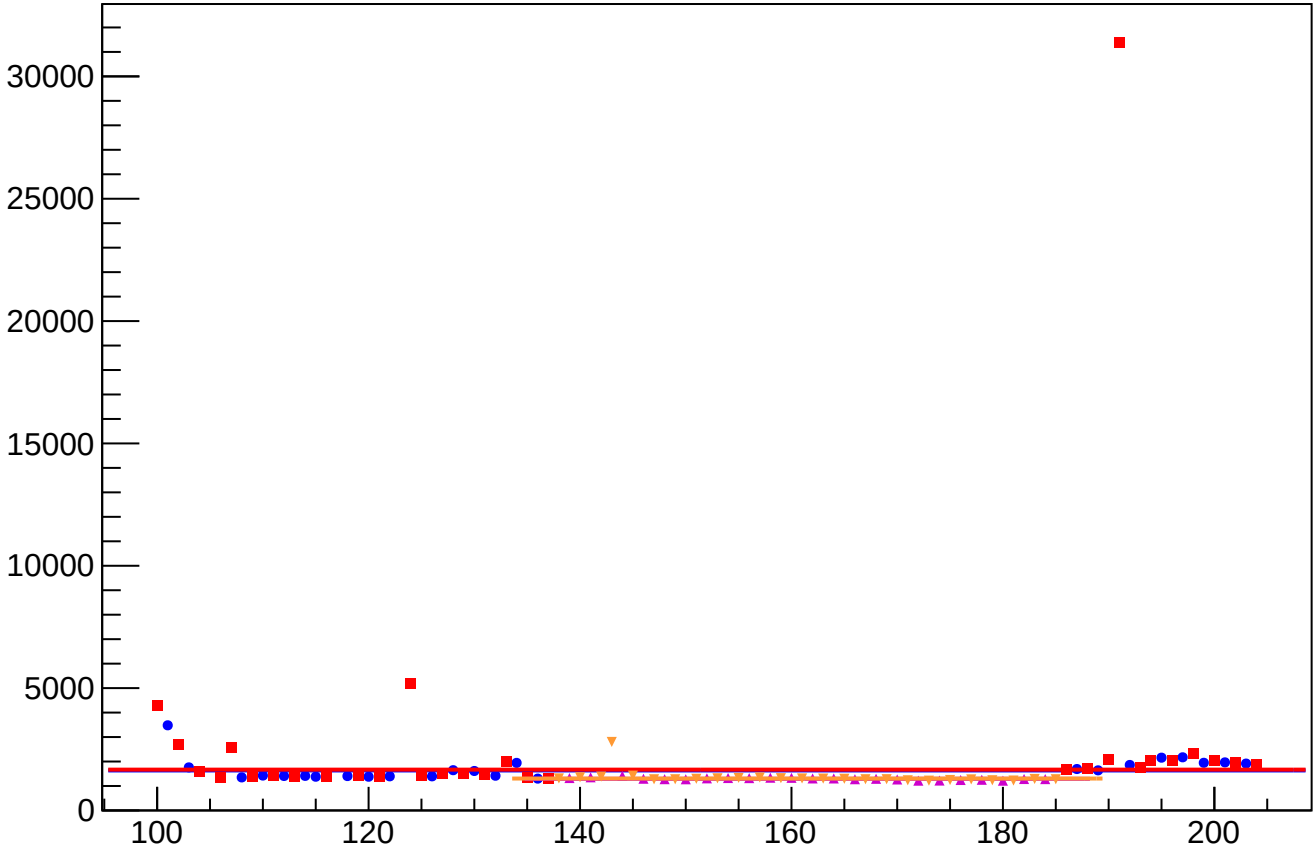
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -381.133+/-250.234 χ^2/NDF: 53.6/48

All: 23.468+/-176.493 χ^2/NDF: 102.3/101

- sign 423.992+/-248.970 χ^2/NDF: 43.5/52

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1635.018+/-0.325 χ^2/NDF: 1086900.4/23

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

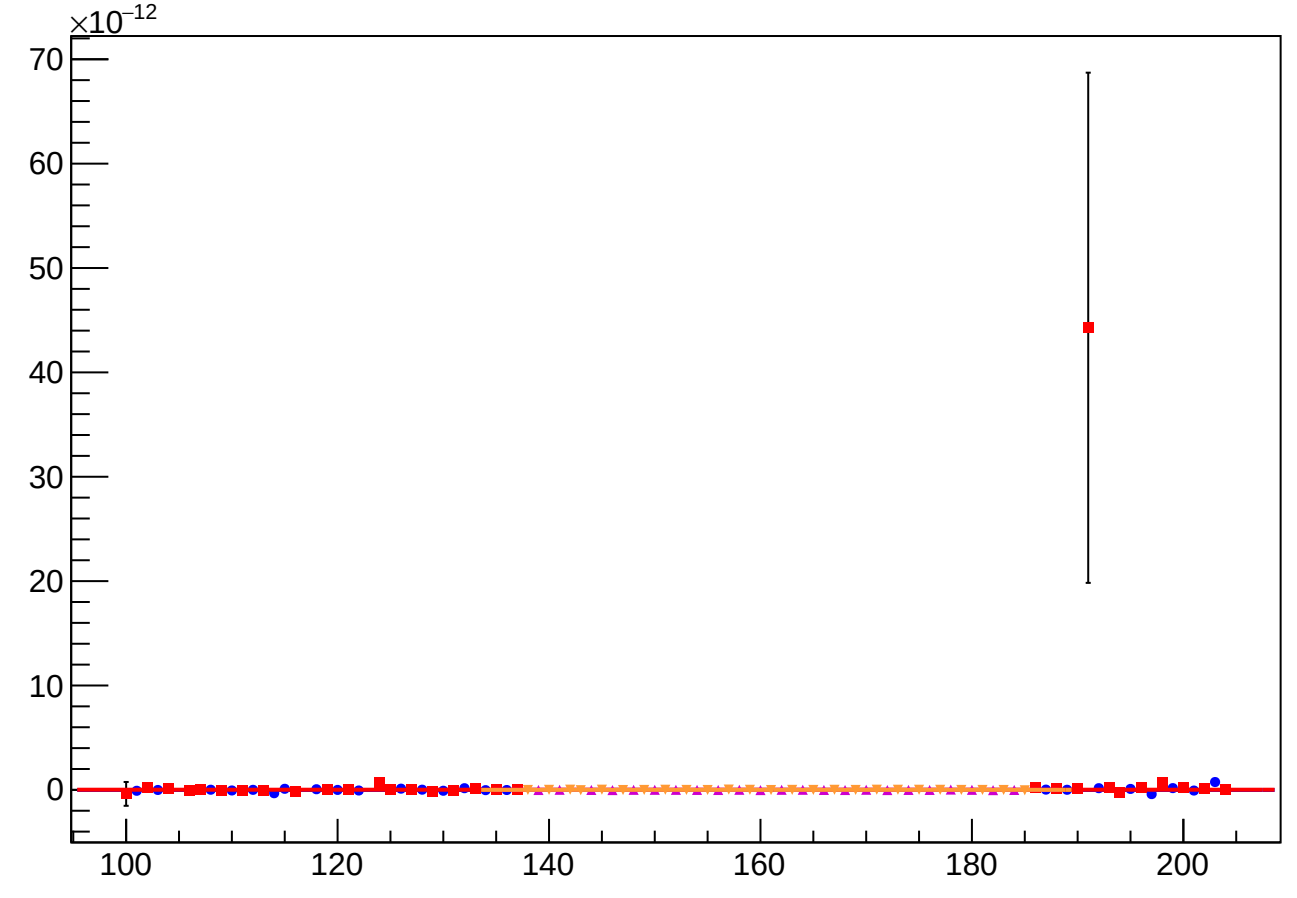
Right Out: 1668.176+/-0.311 χ^2/NDF: 1370915.7/29

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1402.146+/-0.177 χ^2/NDF: 2335359.7/48

All: 1407.314+/-0.125 χ^2/NDF: 4749061.0/10

- sign 1412.430+/-0.176 χ^2/NDF: 2412003.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

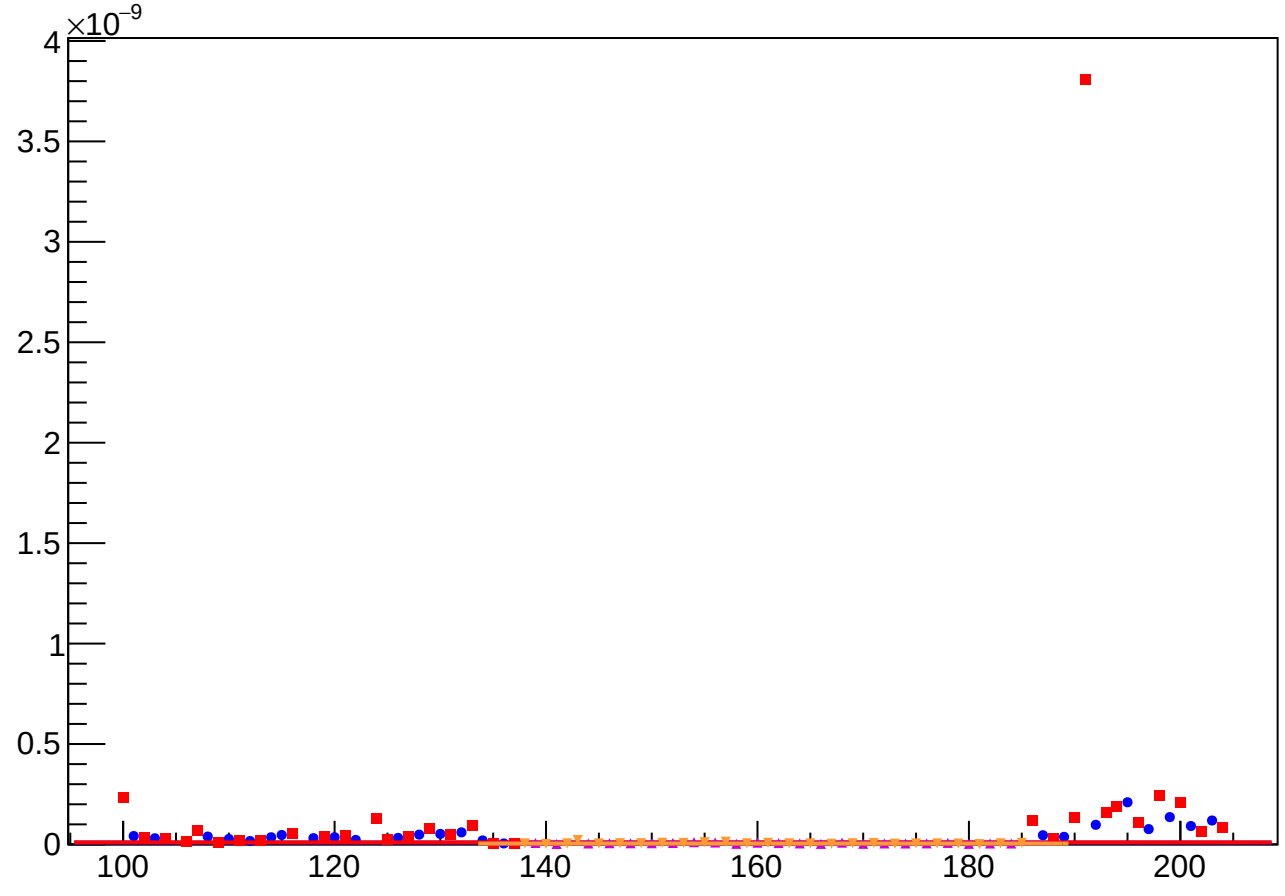
Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/29

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.0/48

All: 0.000+/-0.000 χ^2/NDF: 124.0/101

- sign 0.000+/-0.000 χ^2/NDF: 68.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 6272089.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

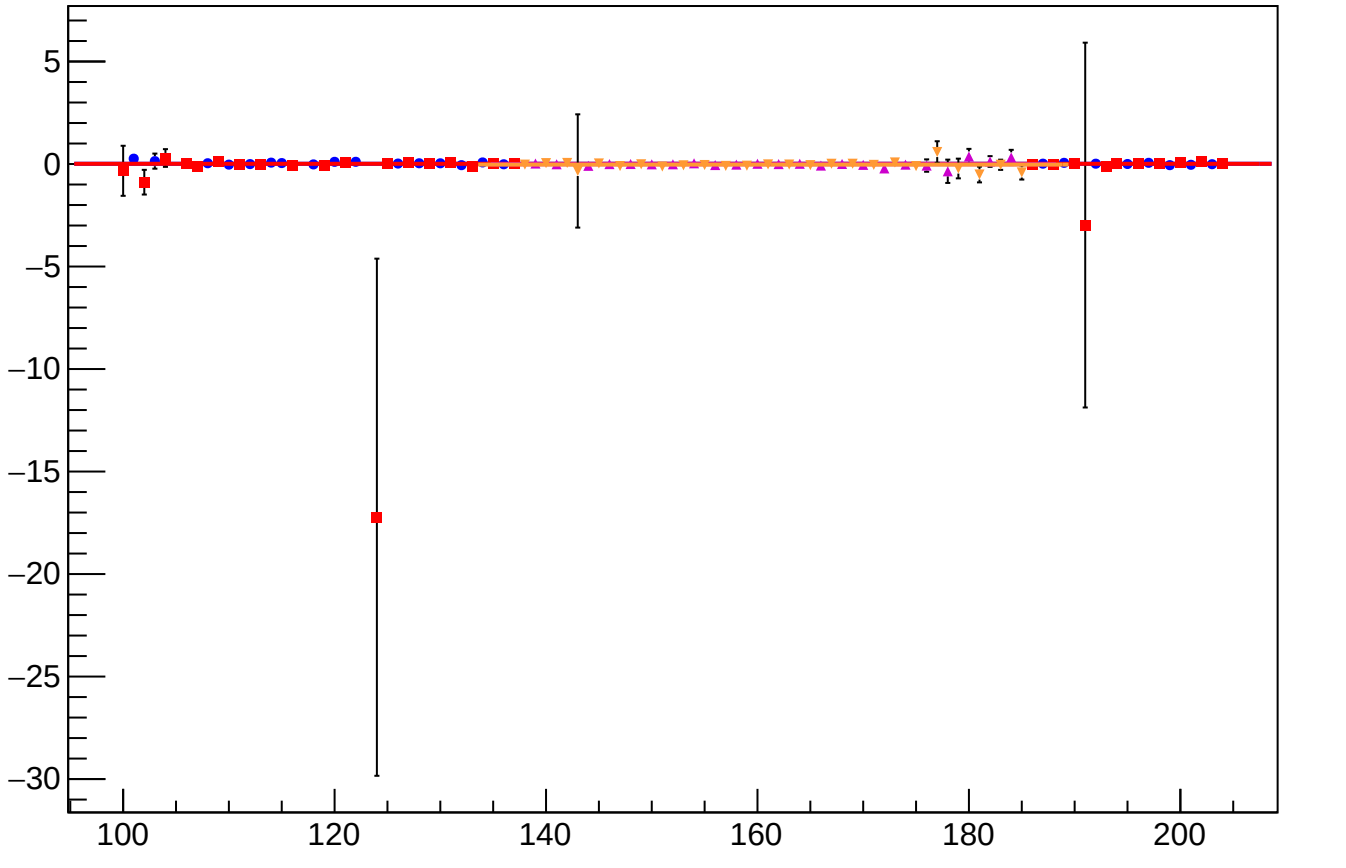
Right Out: 0.000+/-0.000 χ^2/NDF: 8599509.4/29

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9800018.9/48

All: 0.000+/-0.000 χ^2/NDF: 21161261.0/101

- sign 0.000+/-0.000 χ^2/NDF: 11334605.1/52



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.011+/-0.012 χ^2/NDF: 22.4/29

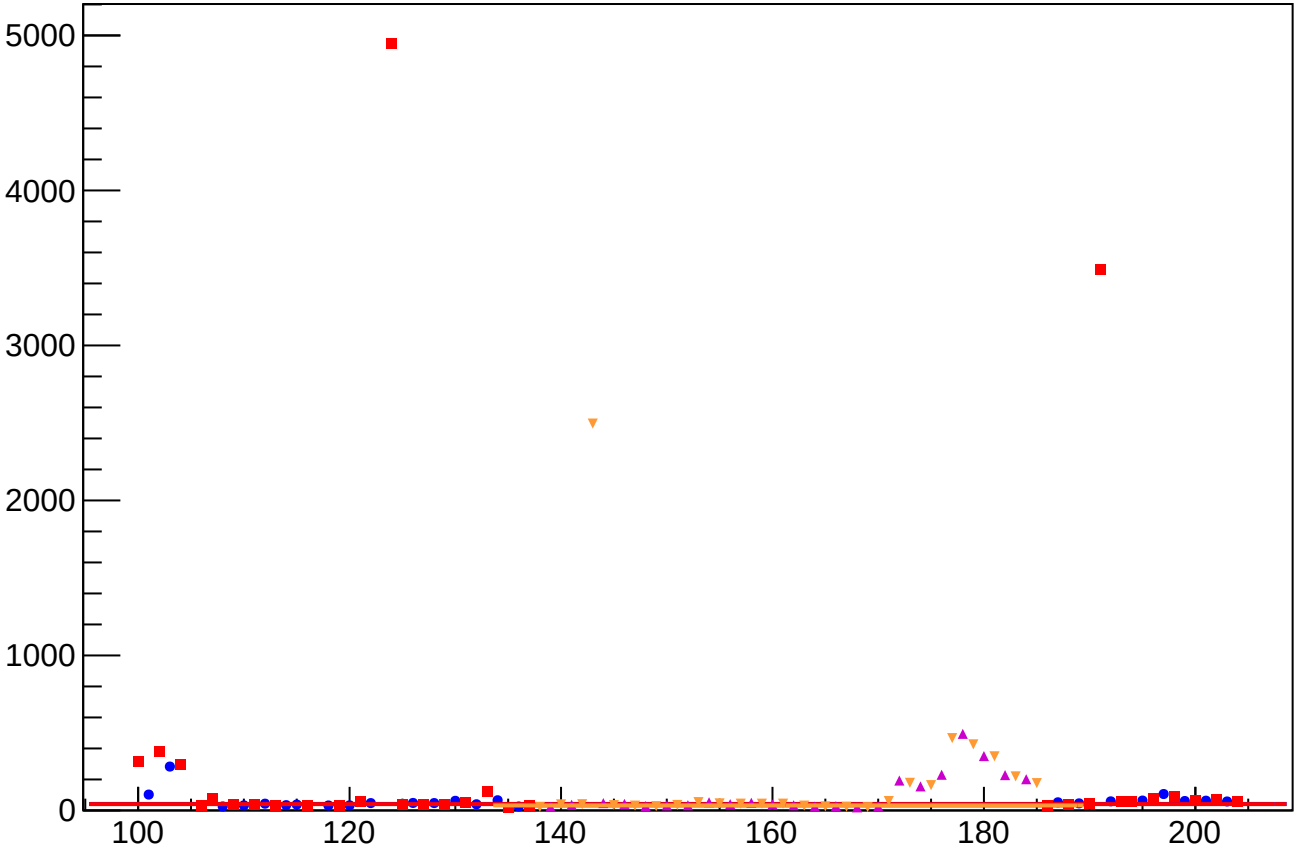
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/48

All: -0.008+/-0.005 χ^2/NDF: 86.4/101

- sign -0.003+/-0.008 χ^2/NDF: 37.4/52

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.940+/-0.009 χ^2/NDF: 3949382.4/23

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

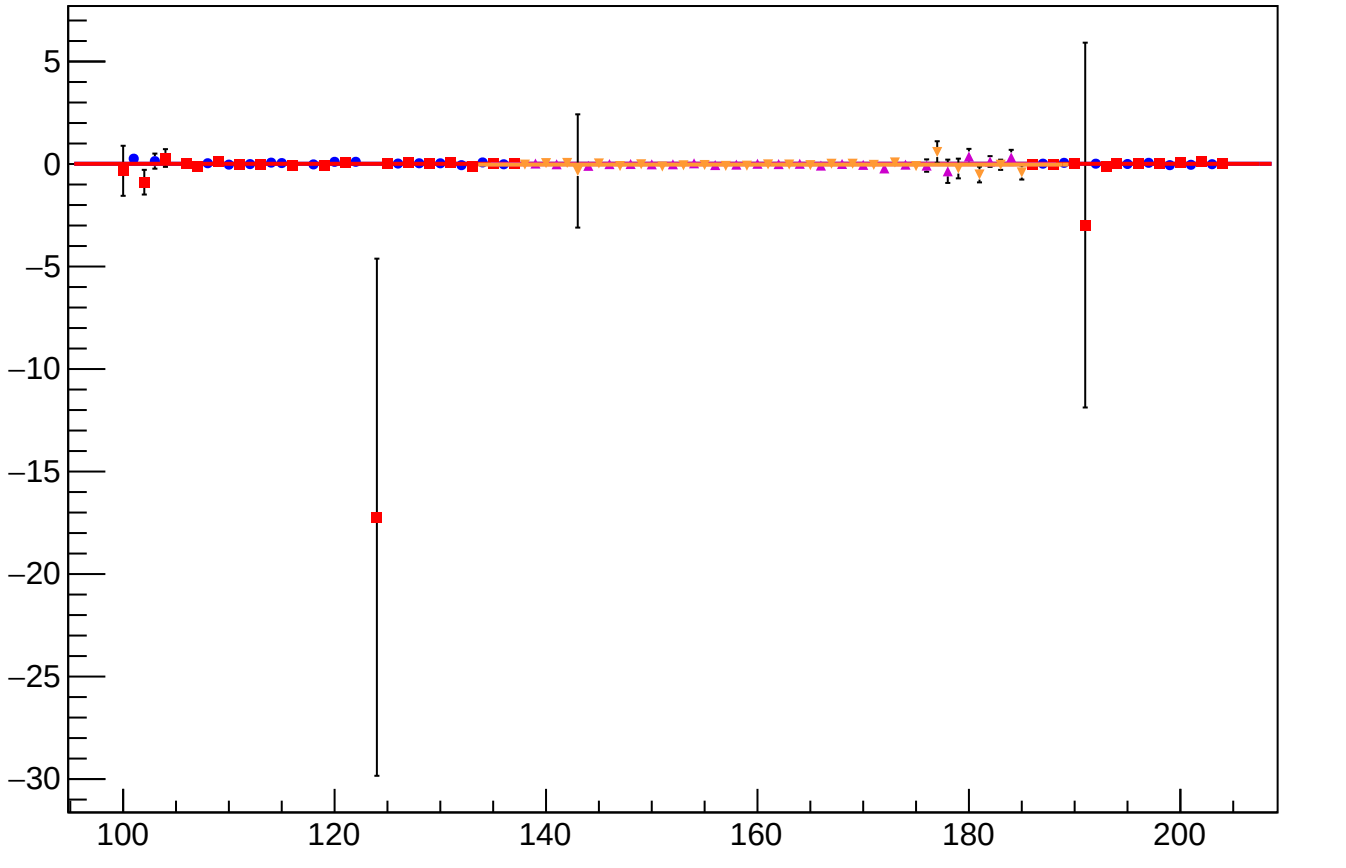
Right Out: 40.897+/-0.009 χ^2/NDF: 5377640.1/29

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.709+/-0.005 χ^2/NDF: 15475964.0/48

All: 35.733+/-0.004 χ^2/NDF: 30362485.1/101

- sign 35.756+/-0.005 χ^2/NDF: 14886483.4/52



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.011+/-0.012 χ^2/NDF: 22.4/29

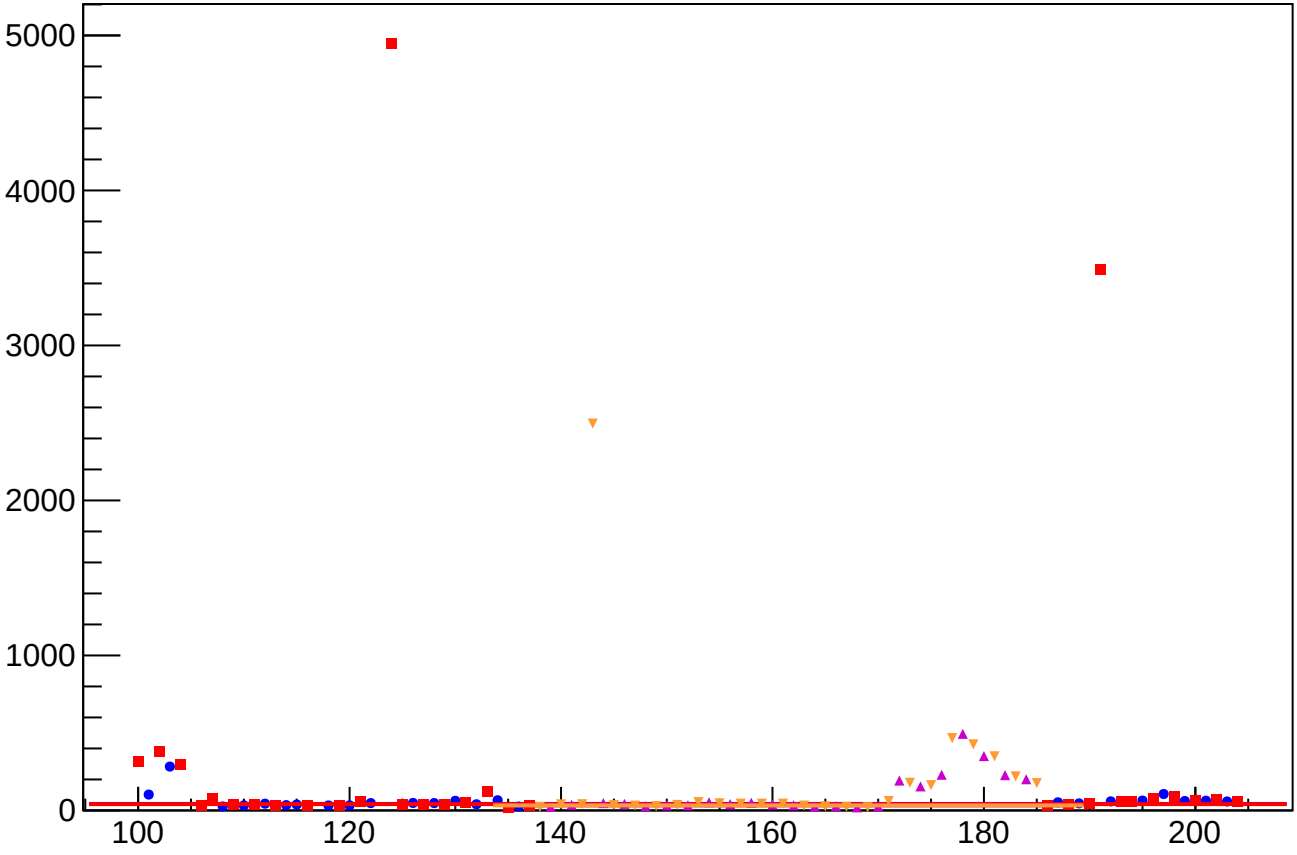
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/48

All: -0.008+/-0.005 χ^2/NDF: 86.4/101

- sign -0.003+/-0.008 χ^2/NDF: 37.4/52

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.940+/-0.009 χ^2/NDF: 3949382.4/23

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377640.1/29

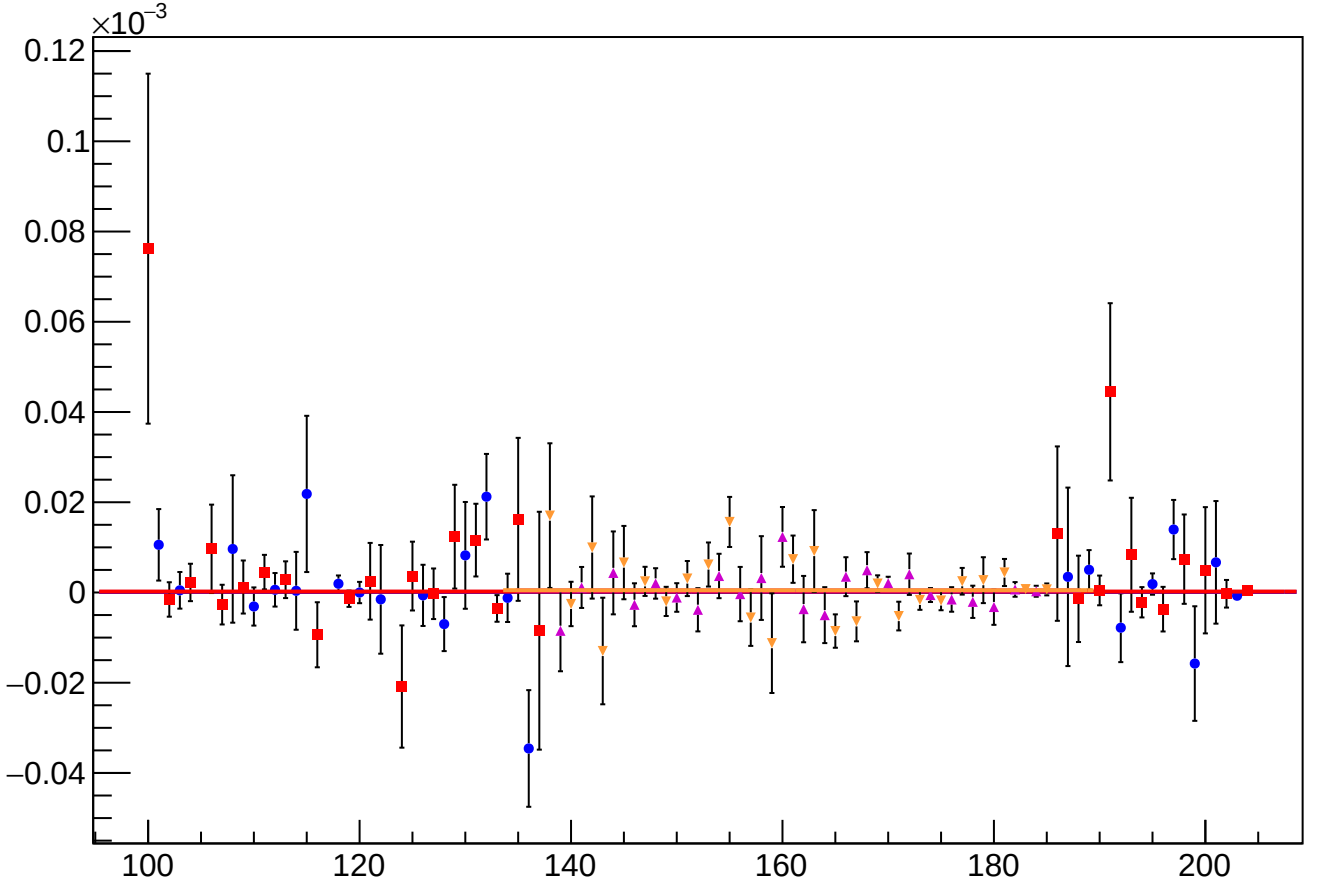
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.709+/-0.005 χ^2/NDF: 15475964.0/48

All: 35.733+/-0.004 χ^2/NDF: 30362485.1/101

- sign 35.756+/-0.005 χ^2/NDF: 14886483.4/52

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

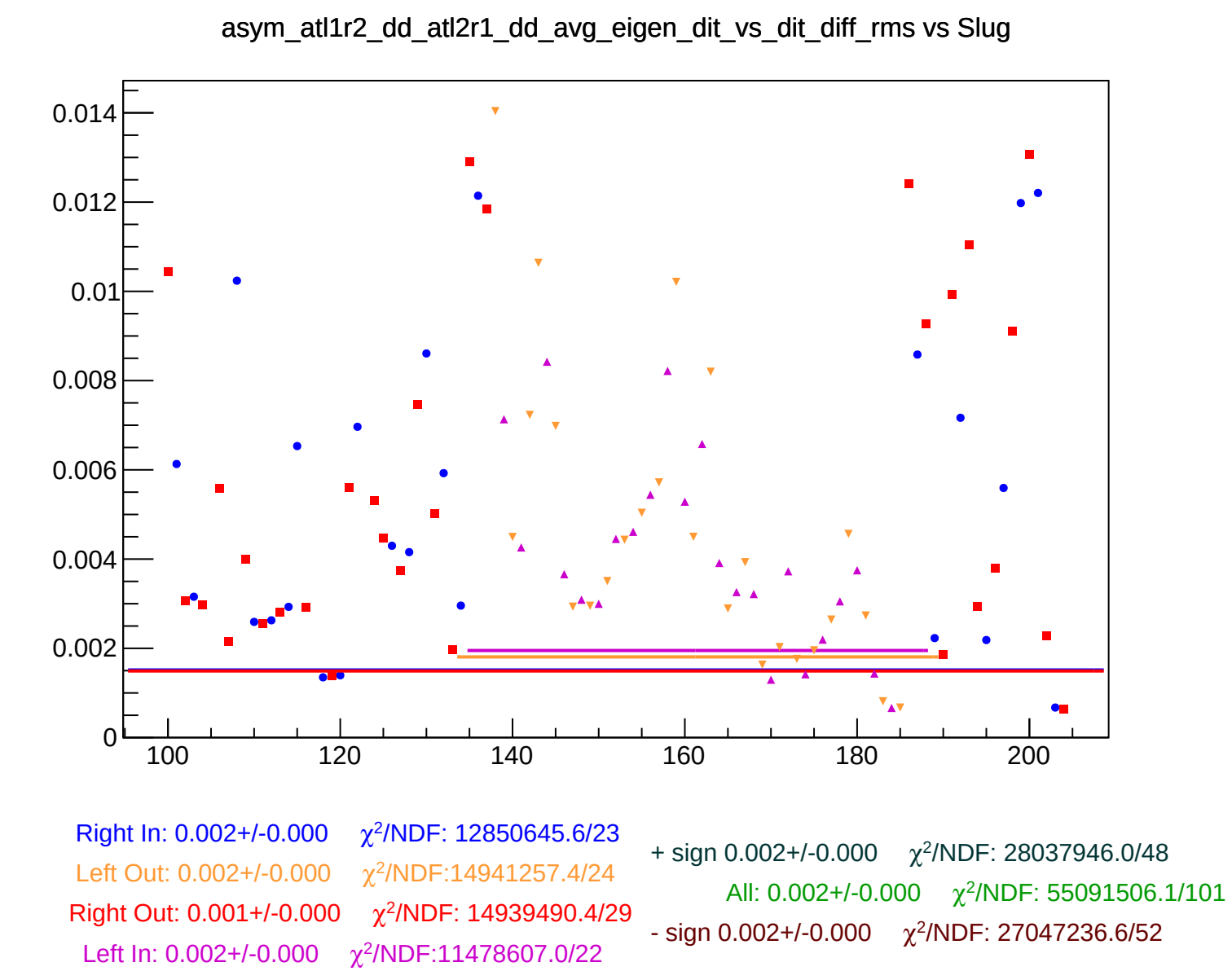
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/29

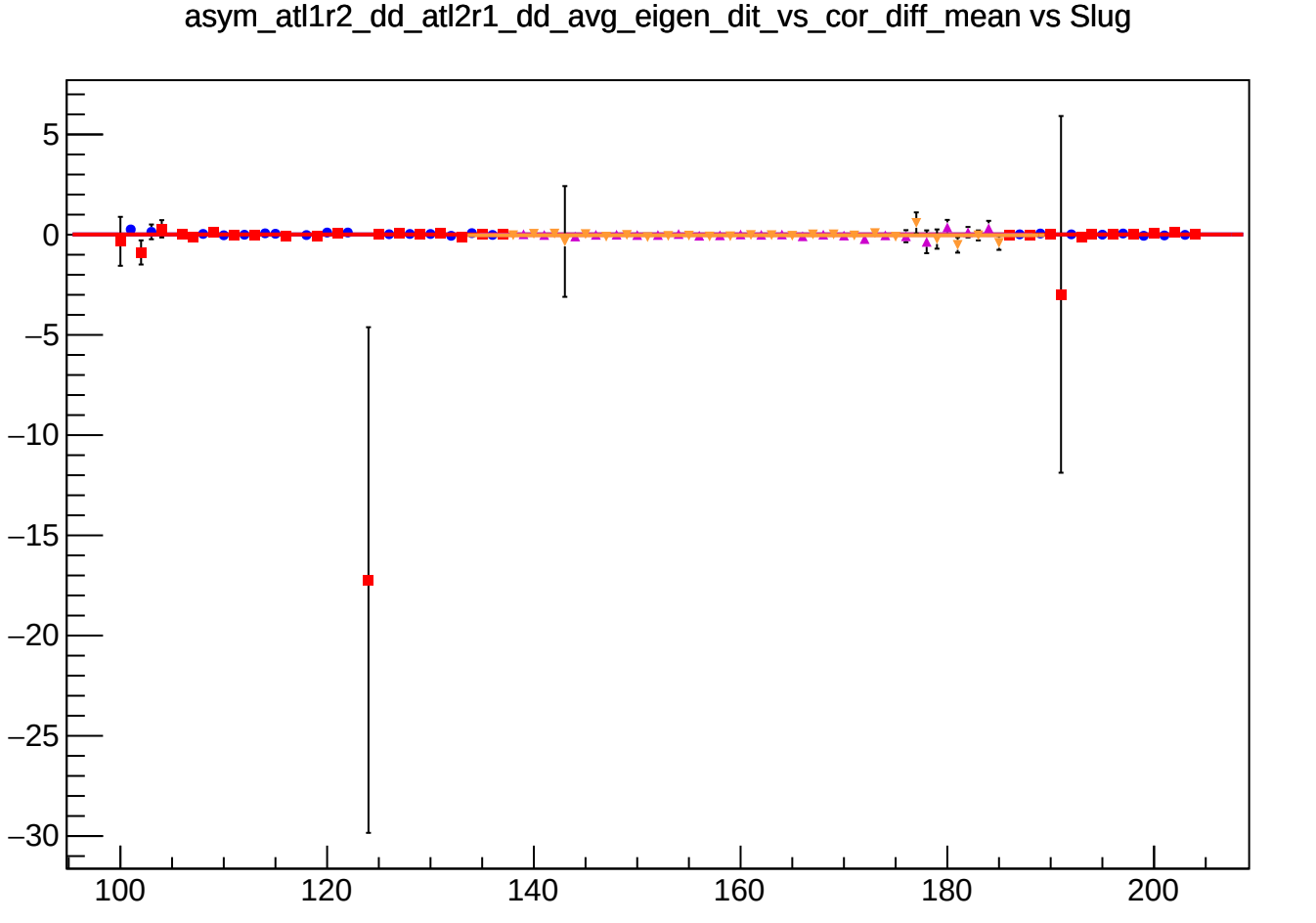
Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.5/48

All: 0.000+/-0.000 χ^2/NDF: 105.4/101

- sign 0.000+/-0.000 χ^2/NDF: 39.9/52


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: 0.002+/-0.000 χ²/NDF: 12850645.6/23
Left Out: 0.002+/-0.000 χ²/NDF:14941257.4/24
Right Out: 0.001+/-0.000 χ²/NDF: 14939490.4/29
Left In: 0.002+/-0.000 χ²/NDF:11478607.0/22
+ sign 0.002+/-0.000 χ²/NDF: 28037946.0/48
All: 0.002+/-0.000 χ²/NDF: 55091506.1/101
- sign 0.002+/-0.000 χ²/NDF: 27047236.6/52



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.011+/-0.012 χ^2/NDF: 22.4/29

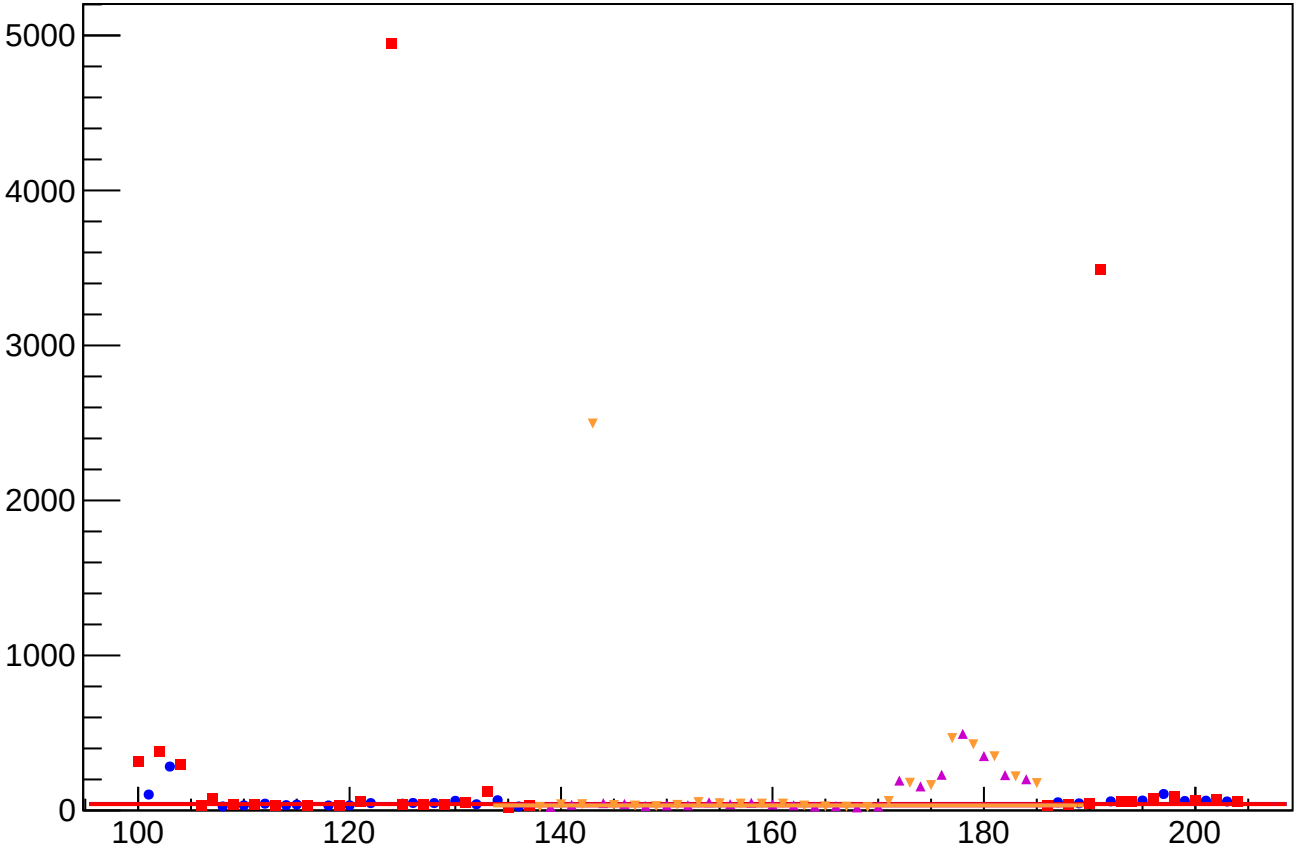
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/48

All: -0.008+/-0.005 χ^2/NDF: 86.5/101

- sign -0.003+/-0.008 χ^2/NDF: 37.4/52

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.941+/-0.009 χ^2/NDF: 3948908.3/23

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377410.1/29

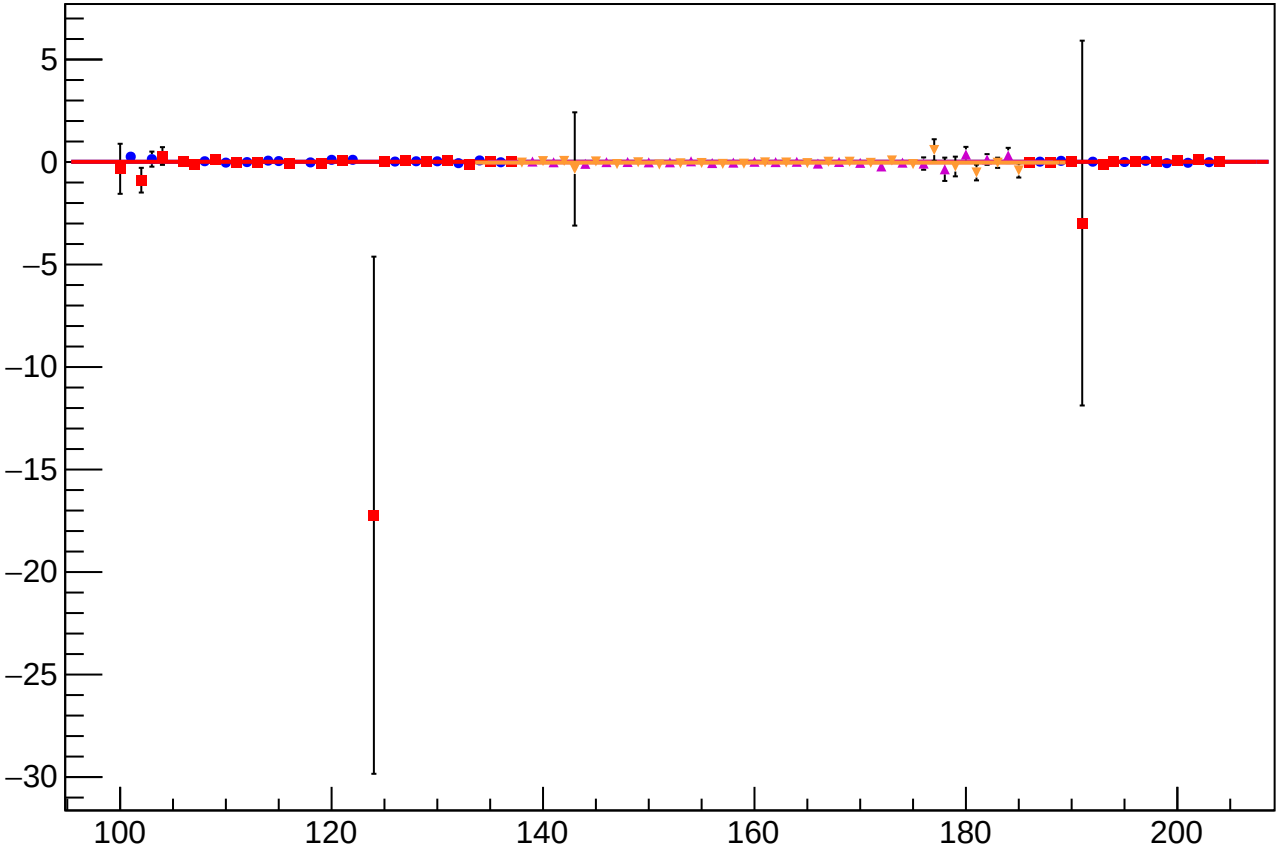
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.709+/-0.005 χ^2/NDF: 15475952.4/48

All: 35.733+/-0.004 χ^2/NDF: 30363089.6/101

- sign 35.755+/-0.005 χ^2/NDF: 14887101.2/52

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

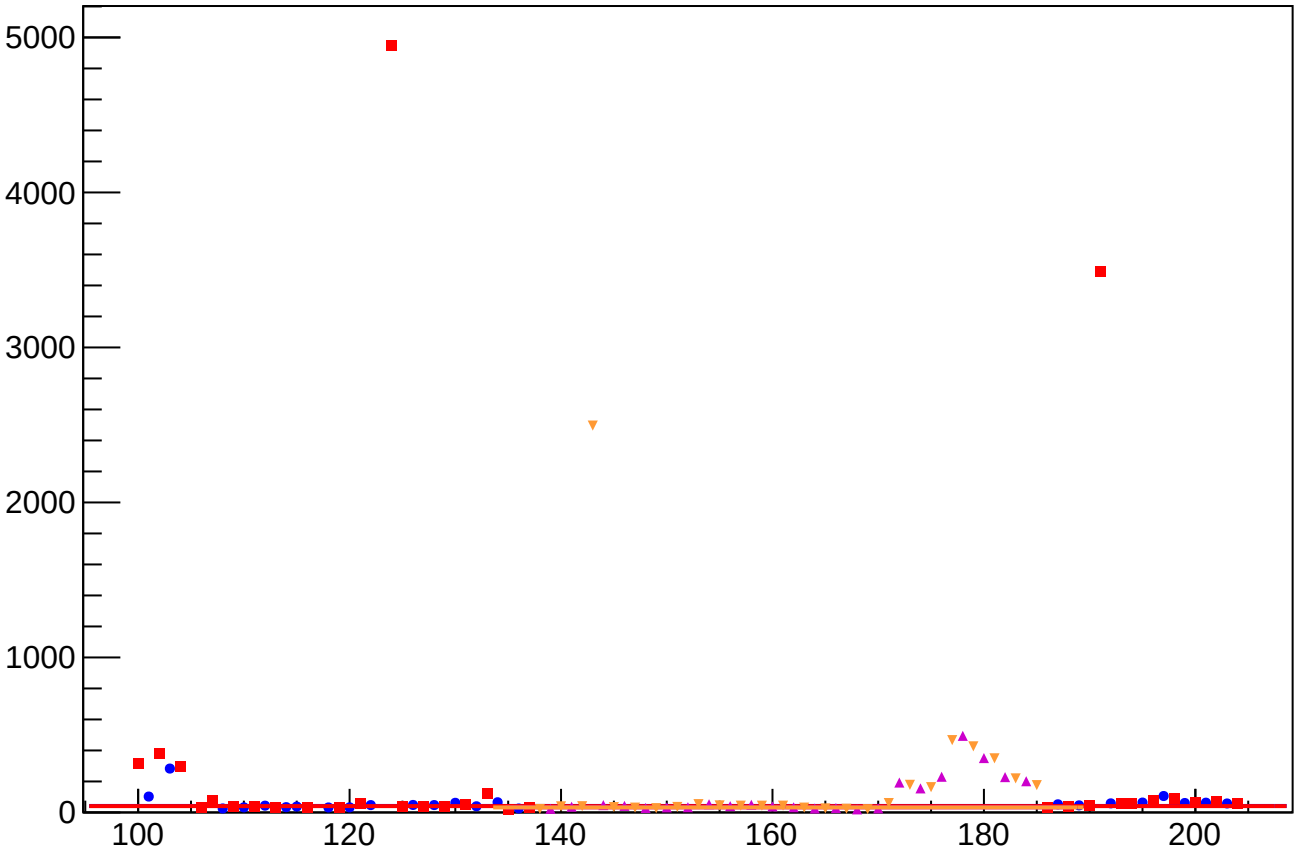
Right Out: 0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/48

All: -0.008+/-0.005 χ^2/NDF: 86.5/101

- sign -0.003+/-0.008 χ^2/NDF: 37.4/52



Right In: 41.941+/-0.009 χ^2/NDF: 3948908.3/23

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

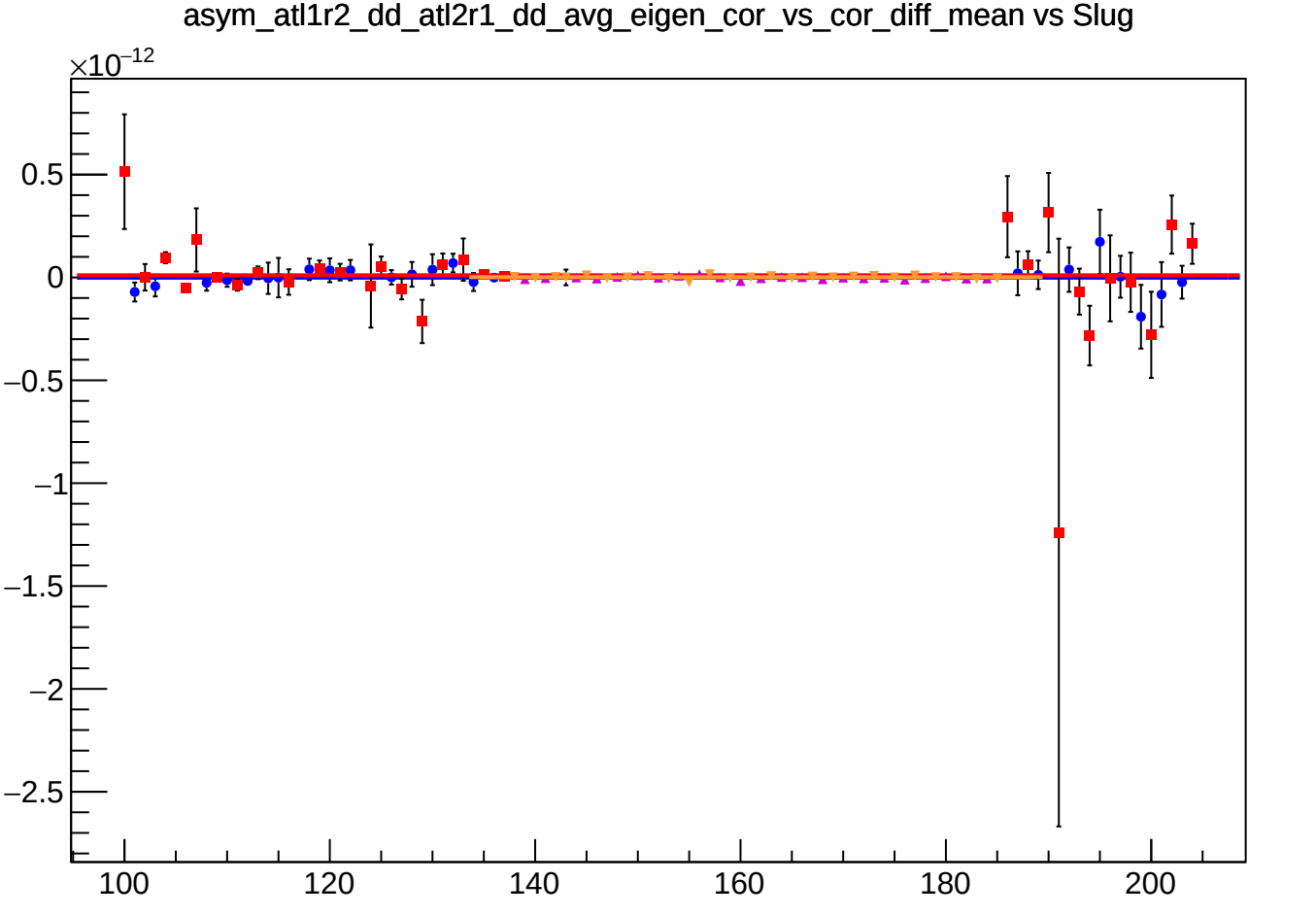
Right Out: 40.897+/-0.009 χ^2/NDF: 5377410.1/29

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.709+/-0.005 χ^2/NDF: 15475952.4/48

All: 35.733+/-0.004 χ^2/NDF: 30363089.6/101

- sign 35.755+/-0.005 χ^2/NDF: 14887101.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

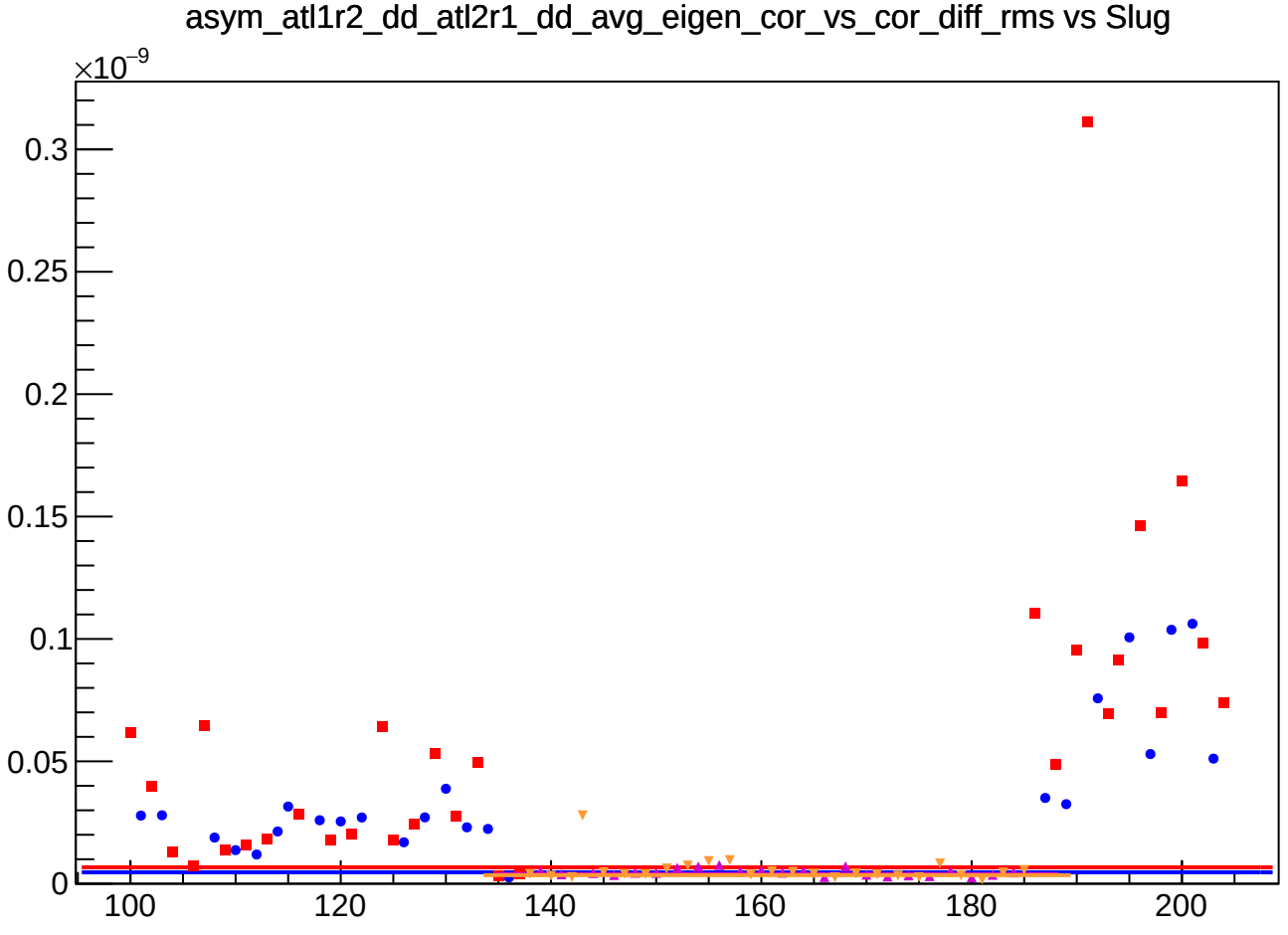
Right Out: 0.000+/-0.000 χ^2/NDF: 57.9/29

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.6/48

All: 0.000+/-0.000 χ^2/NDF: 126.1/101

- sign -0.000+/-0.000 χ^2/NDF: 94.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 10002564.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12374937.9/29

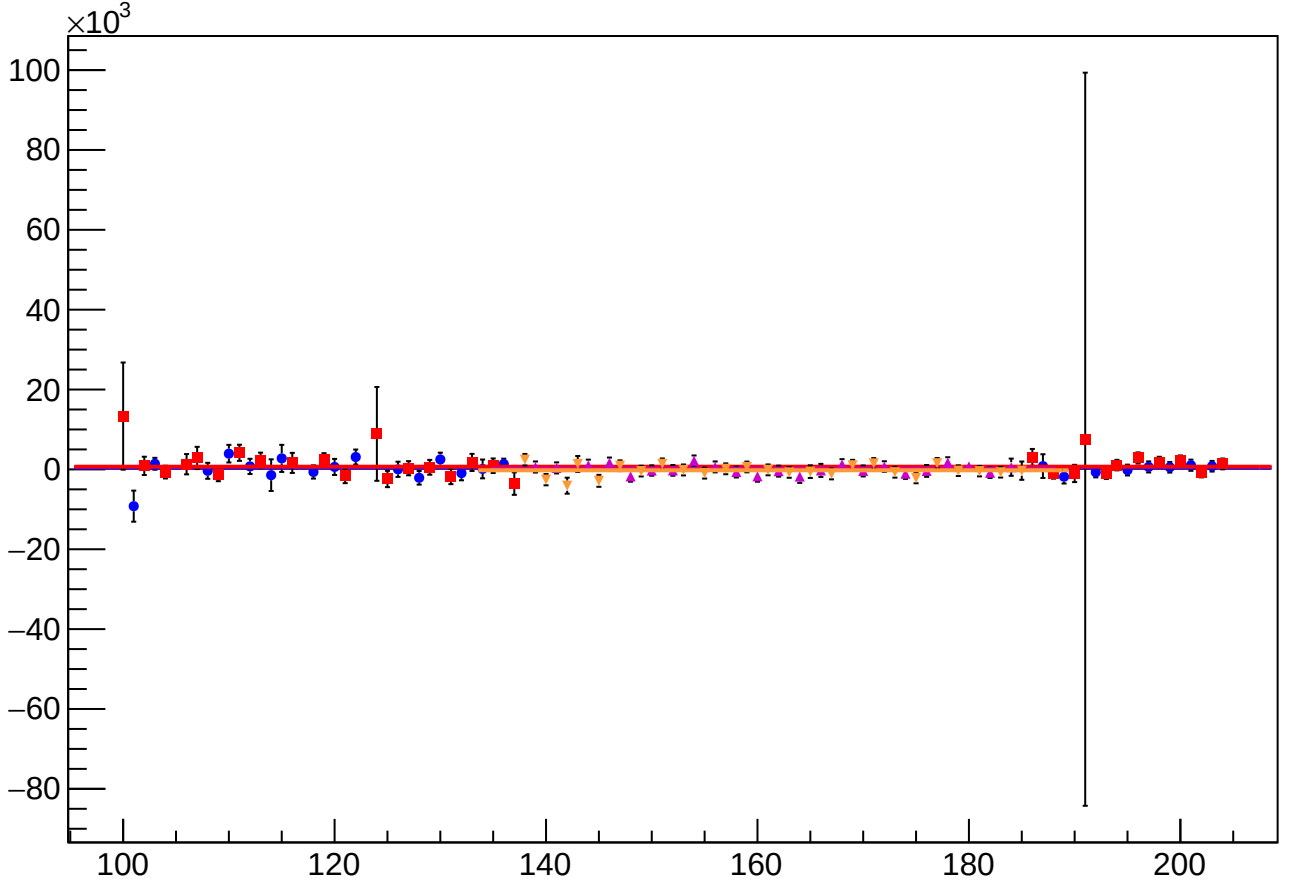
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14902525.1/48

All: 0.000+/-0.000 χ^2/NDF: 30435688.1/101

- sign 0.000+/-0.000 χ^2/NDF: 15243358.0/52

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 380.864+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 671.748+/-331.777 χ^2/NDF: 27.3/29

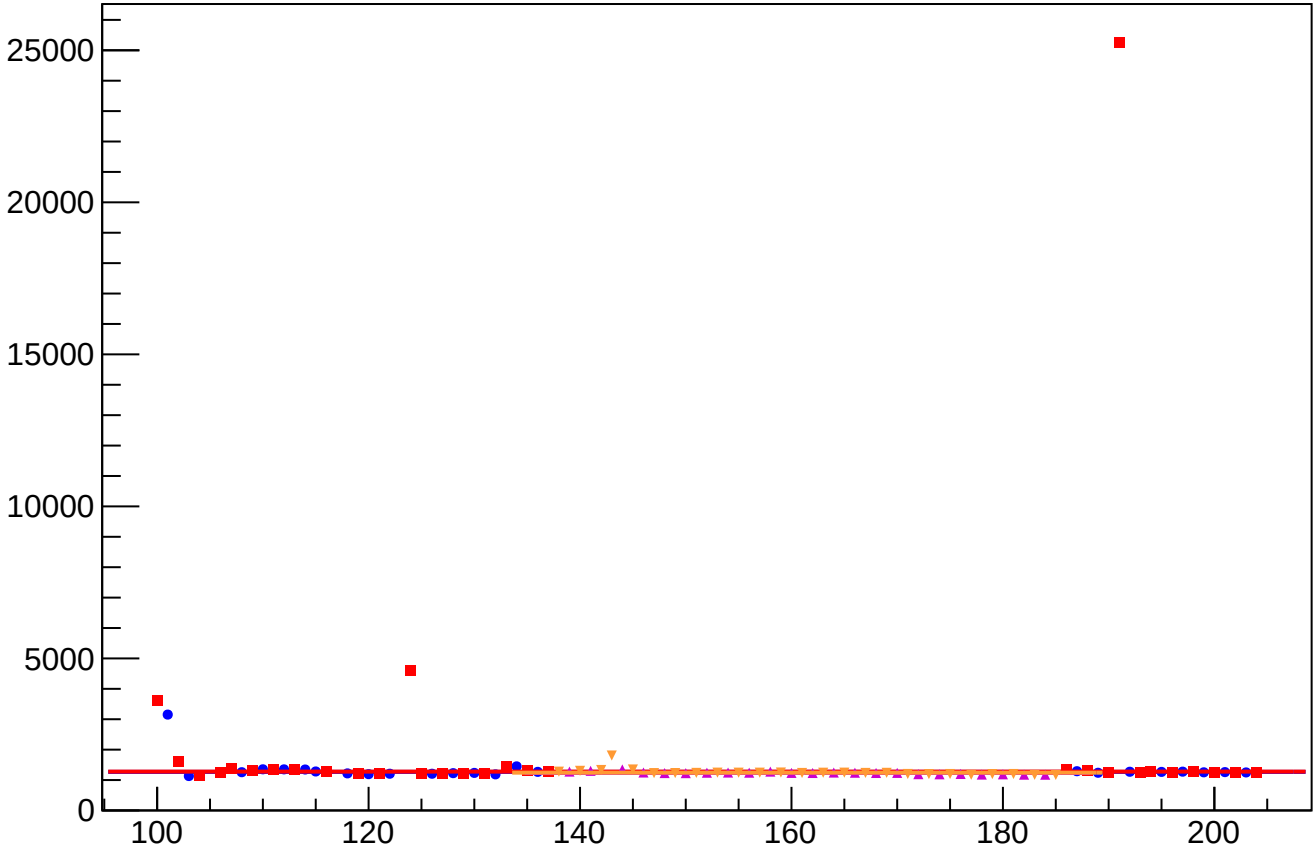
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 15.270+/-220.659 χ^2/NDF: 45.9/48

All: 180.711+/-154.930 χ^2/NDF: 90.8/101

- sign 341.570+/-217.583 χ^2/NDF: 43.8/52

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1267.948+/-0.249 χ^2/NDF: 520874.4/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

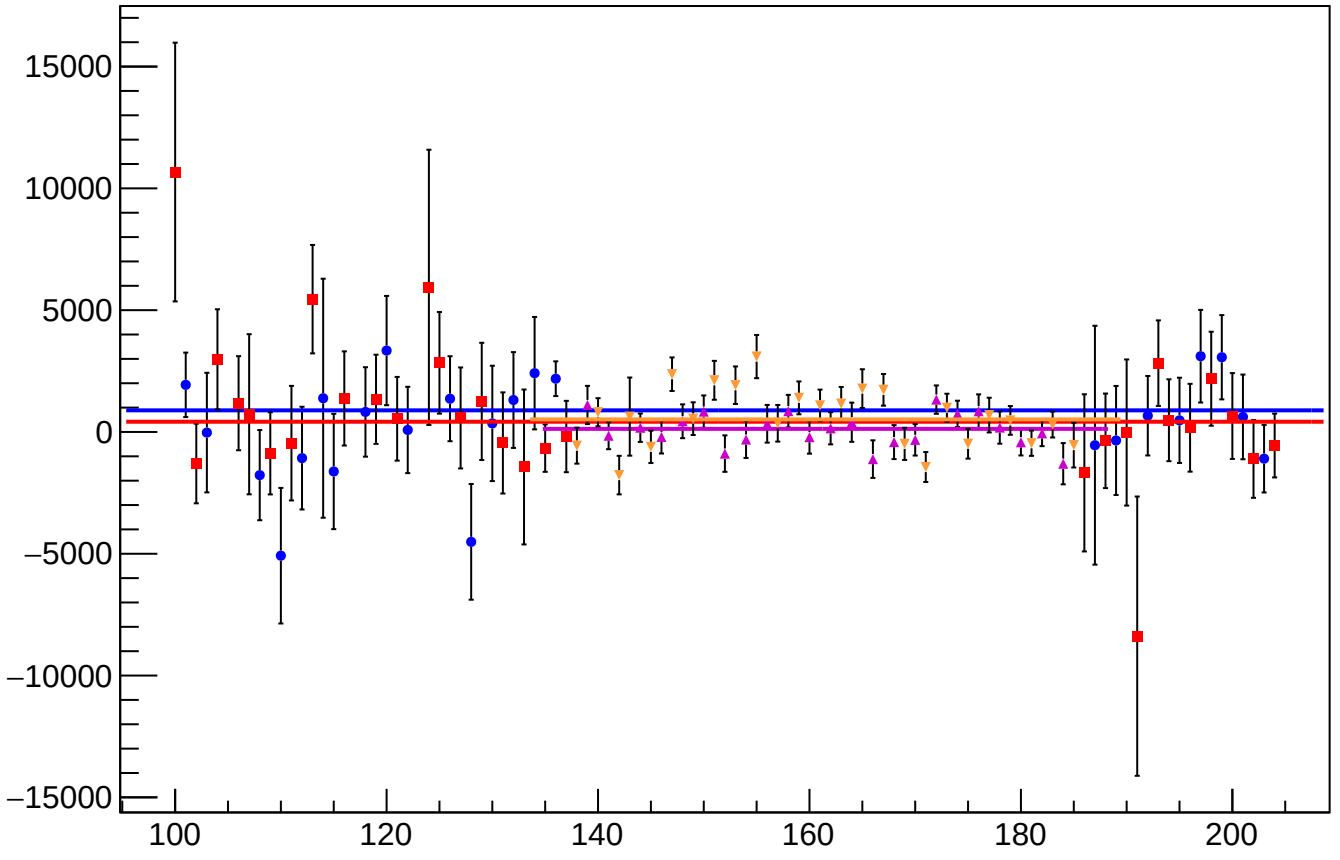
Right Out: 1277.696+/-0.235 χ^2/NDF: 470699.2/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1252.680+/-0.156 χ^2/NDF: 730354.2/48

All: 1252.666+/-0.110 χ^2/NDF: 1260330.9/10

- sign 1252.652+/-0.154 χ^2/NDF: 529976.6/52



Right In: 887.253+/-355.340 χ^2/NDF: 25.4/23

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

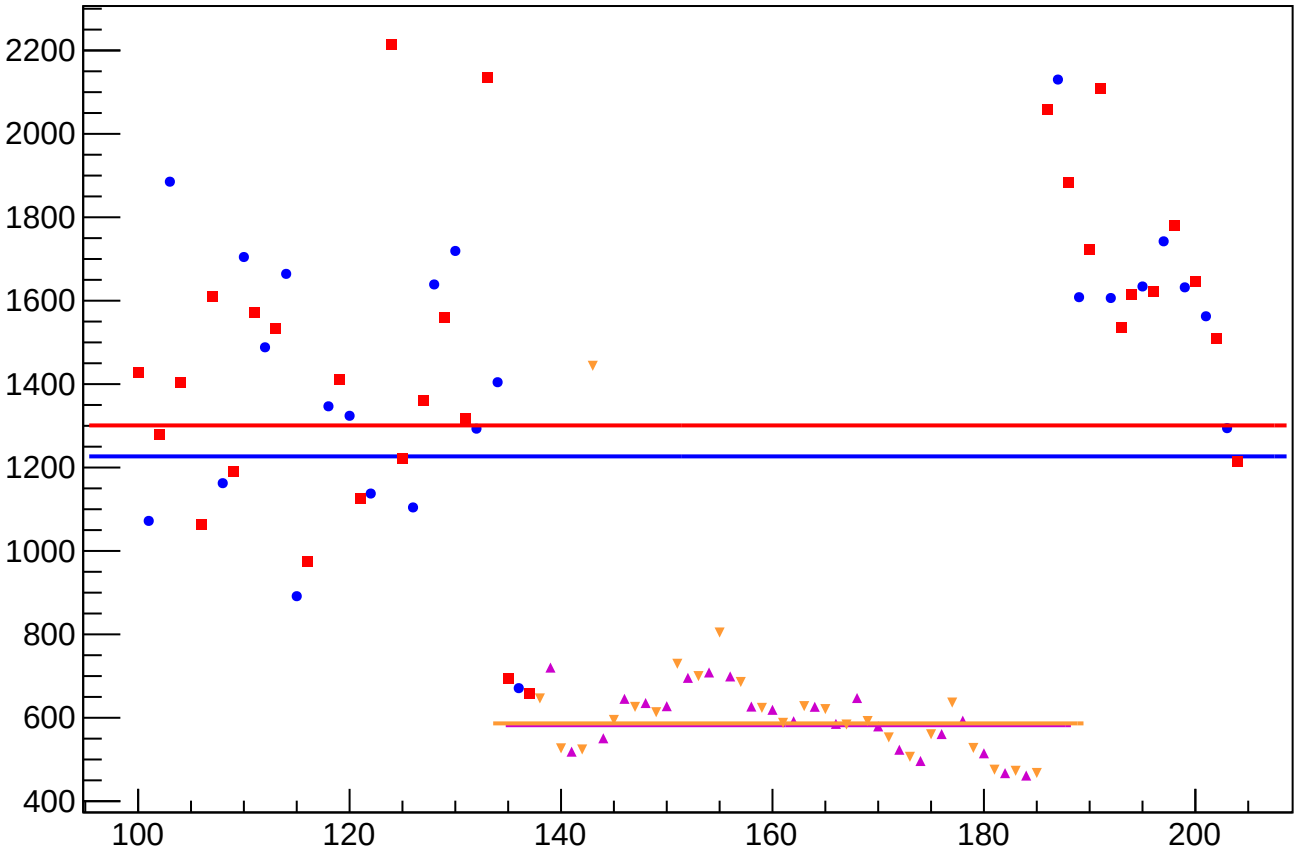
Right Out: 420.300+/-348.719 χ^2/NDF: 24.4/29

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 563.971+/-126.808 χ^2/NDF: 93.4/48

All: 366.410+/-89.990 χ^2/NDF: 144.9/101

- sign 165.975+/-127.727 χ^2/NDF: 46.6/52



Right In: 1226.721+/-0.251 χ^2/NDF: 2401715.0/23

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1300.966+/-0.247 χ^2/NDF: 2359618.3/29

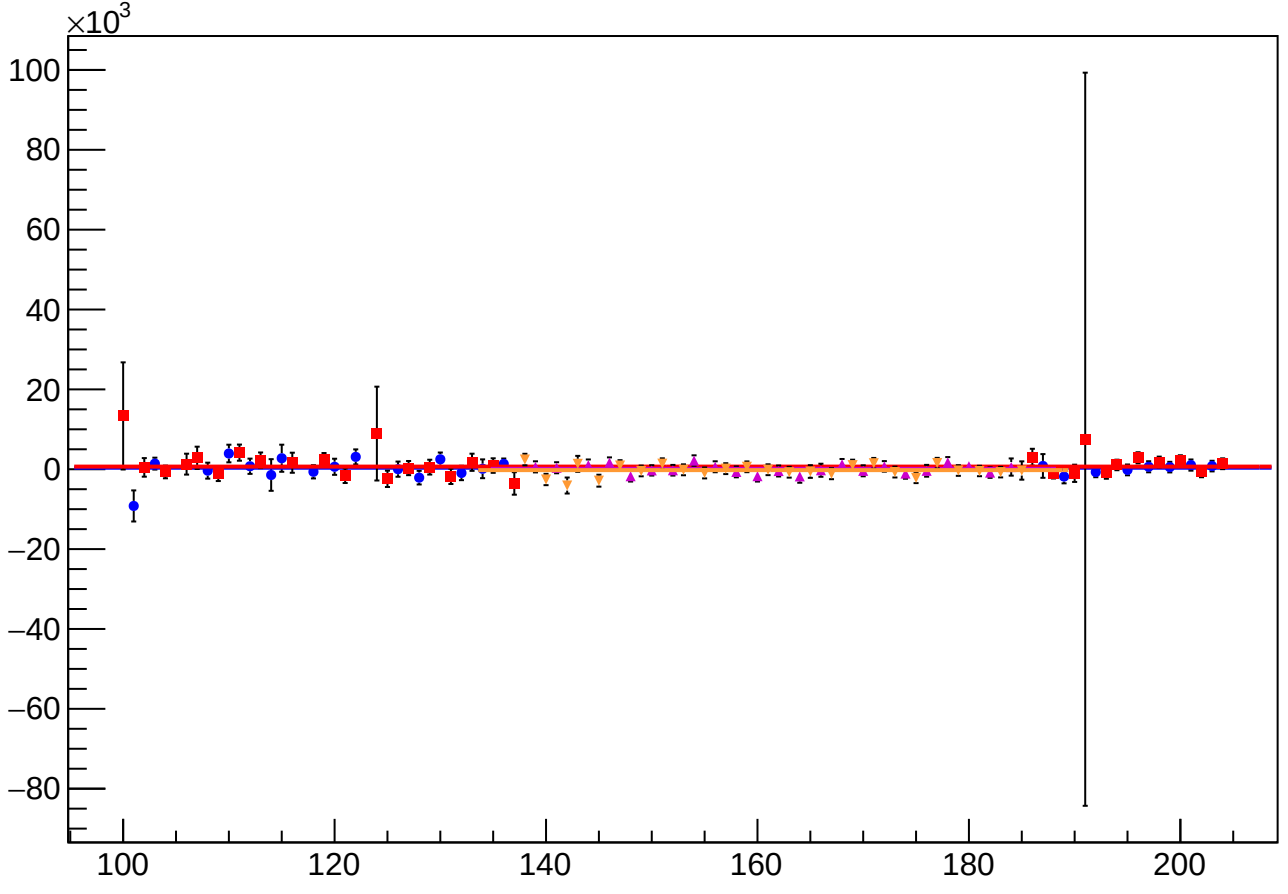
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 668.083+/-0.090 χ^2/NDF: 9269138.4/48

All: 673.313+/-0.064 χ^2/NDF: 19551919.7/10

- sign 678.619+/-0.090 χ^2/NDF: 10275927.7/52

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 381.082+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 662.242+/-332.046 χ^2/NDF: 27.3/29

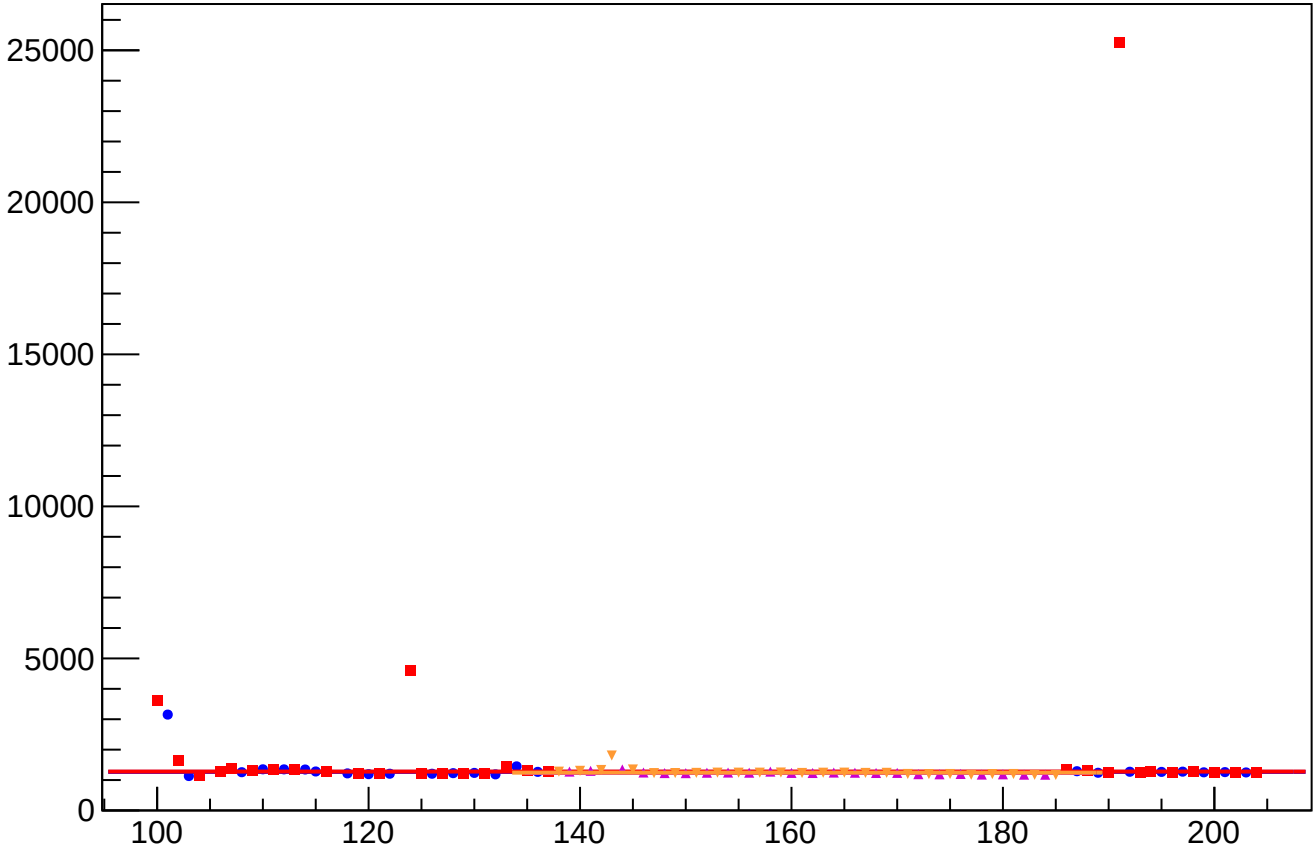
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 15.335+/-220.659 χ^2/NDF: 45.9/48

All: 178.519+/-154.958 χ^2/NDF: 90.6/101

- sign 337.296+/-217.658 χ^2/NDF: 43.7/52

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1267.948+/-0.249 χ^2/NDF: 520875.8/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

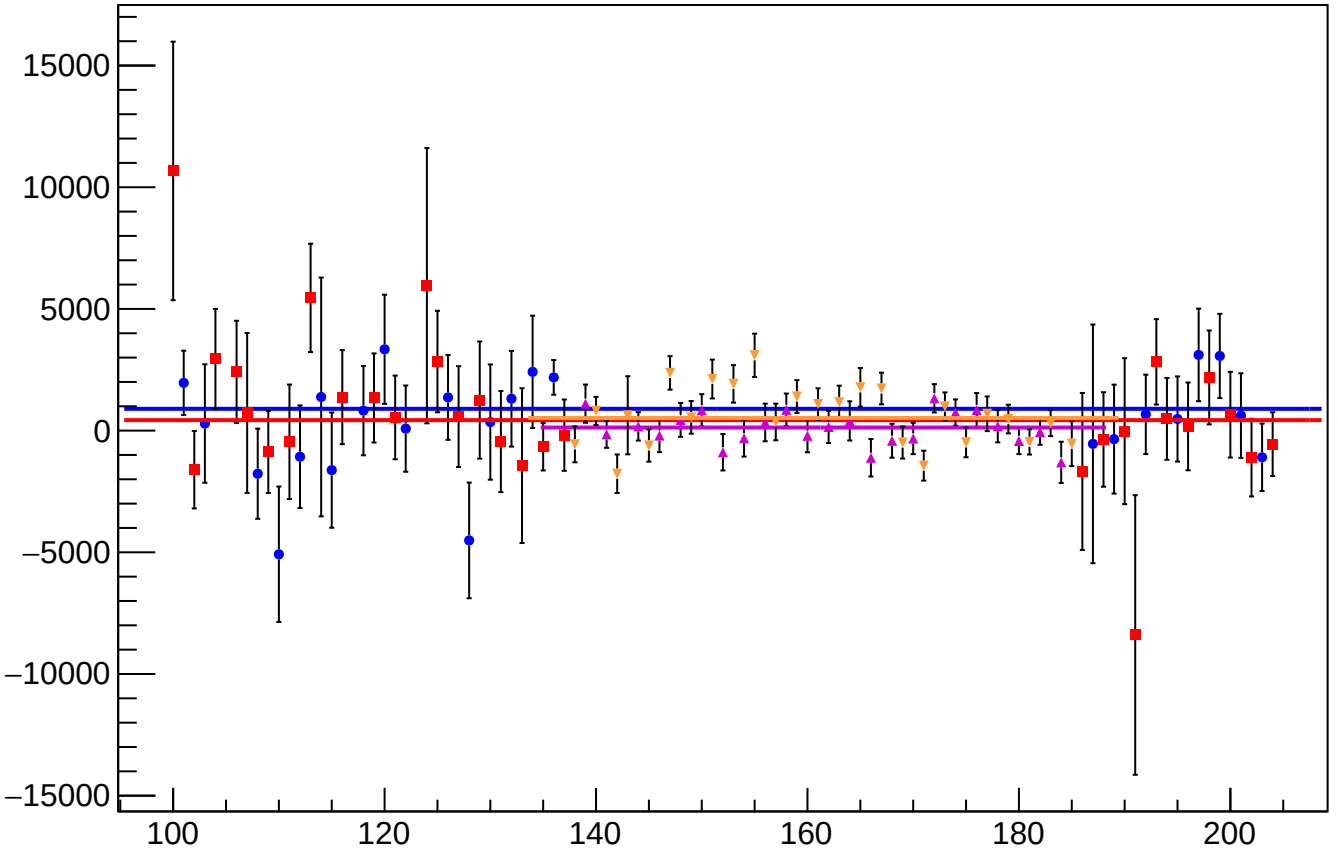
Right Out: 1278.778+/-0.235 χ^2/NDF: 477563.4/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.680+/-0.156 χ^2/NDF: 730355.5/48

All: 1252.893+/-0.110 χ^2/NDF: 1268177.4/10

- sign 1253.099+/-0.154 χ^2/NDF: 537818.2/52



Right In: 895.941+/-355.238 χ^2/NDF: 25.4/23

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

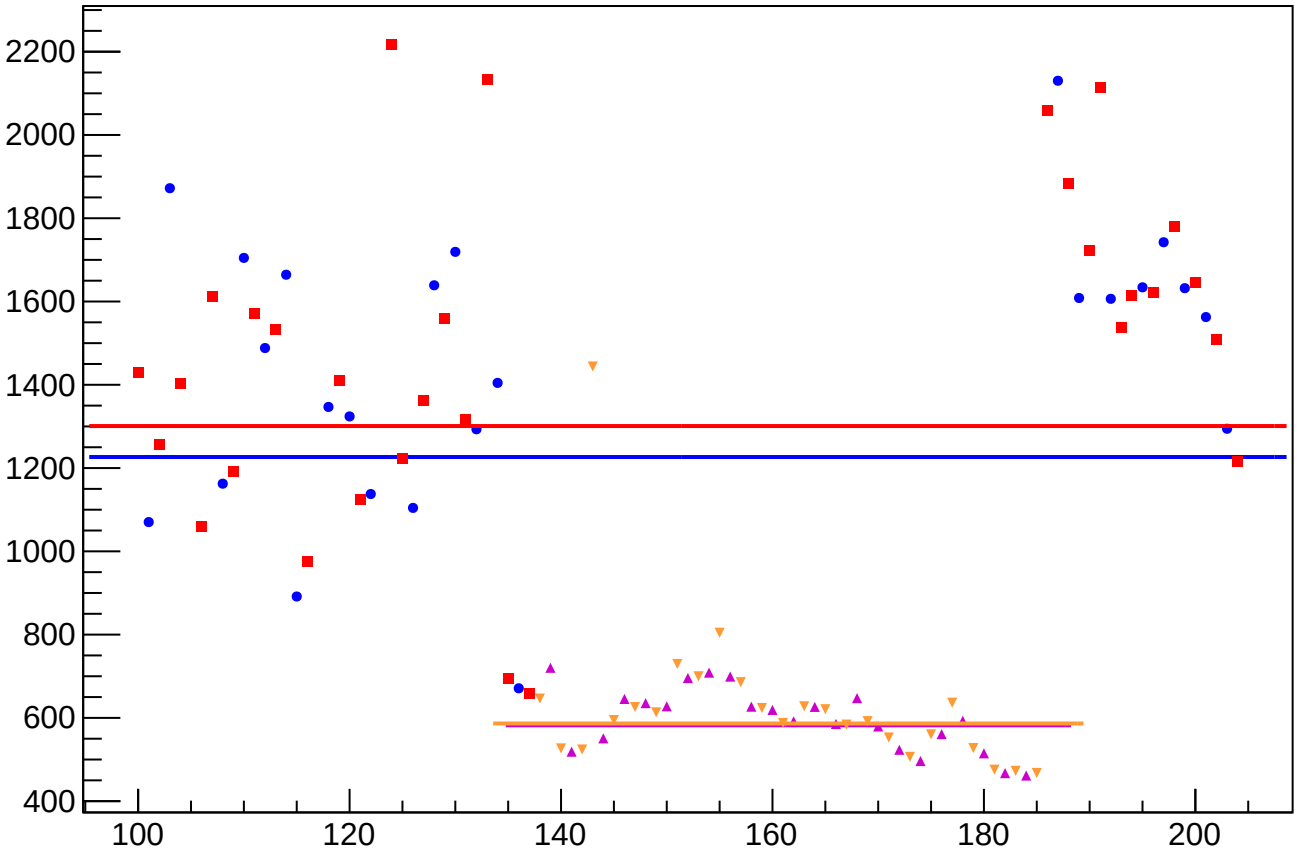
Right Out: 430.945+/-349.146 χ^2/NDF: 25.7/29

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 565.119+/-126.804 χ^2/NDF: 93.4/48

All: 367.684+/-89.996 χ^2/NDF: 146.2/101

- sign 167.300+/-127.748 χ^2/NDF: 47.9/52



Right In: 1226.505+/-0.251 χ^2/NDF: 2399015.2/23

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

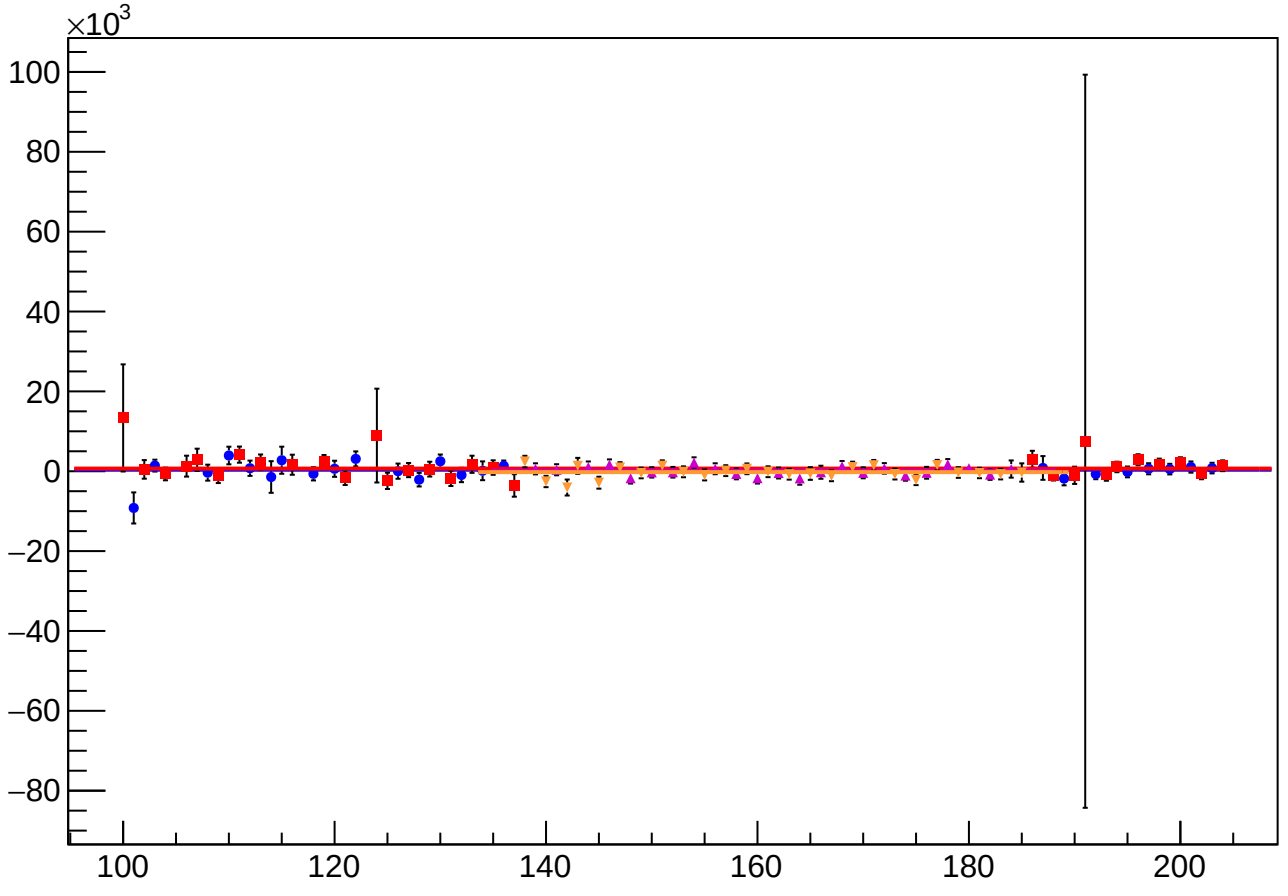
Right Out: 1300.918+/-0.247 χ^2/NDF: 2357253.6/29

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 668.102+/-0.090 χ^2/NDF: 9265286.7/48

All: 673.216+/-0.064 χ^2/NDF: 19528889.2/10

- sign 678.407+/-0.090 χ^2/NDF: 10257047.3/52



Right In: 381.082+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 662.242+/-332.046 χ^2/NDF: 27.3/29

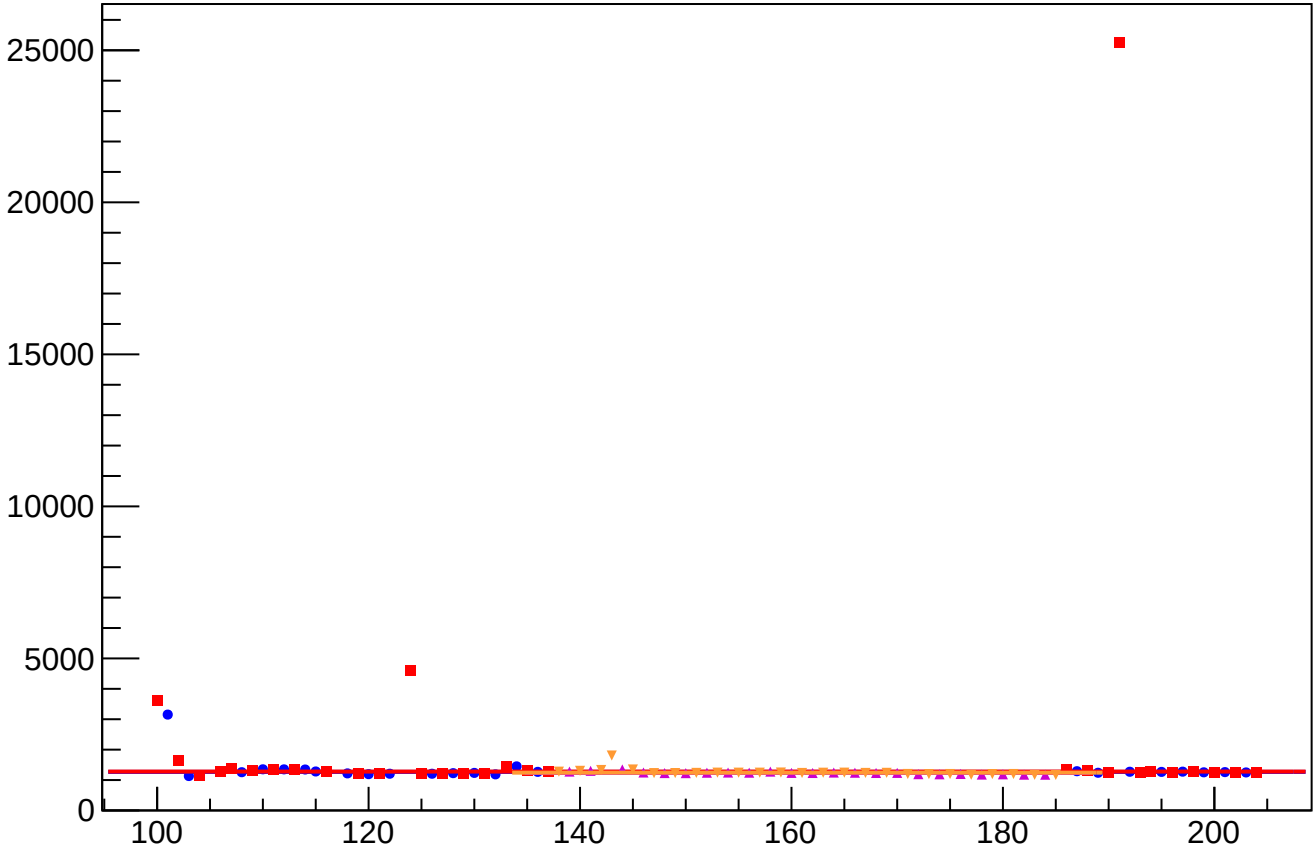
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 15.335+/-220.659 χ^2/NDF: 45.9/48

All: 178.519+/-154.958 χ^2/NDF: 90.6/101

- sign 337.296+/-217.658 χ^2/NDF: 43.7/52

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1267.948+/-0.249 χ^2/NDF: 520875.8/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

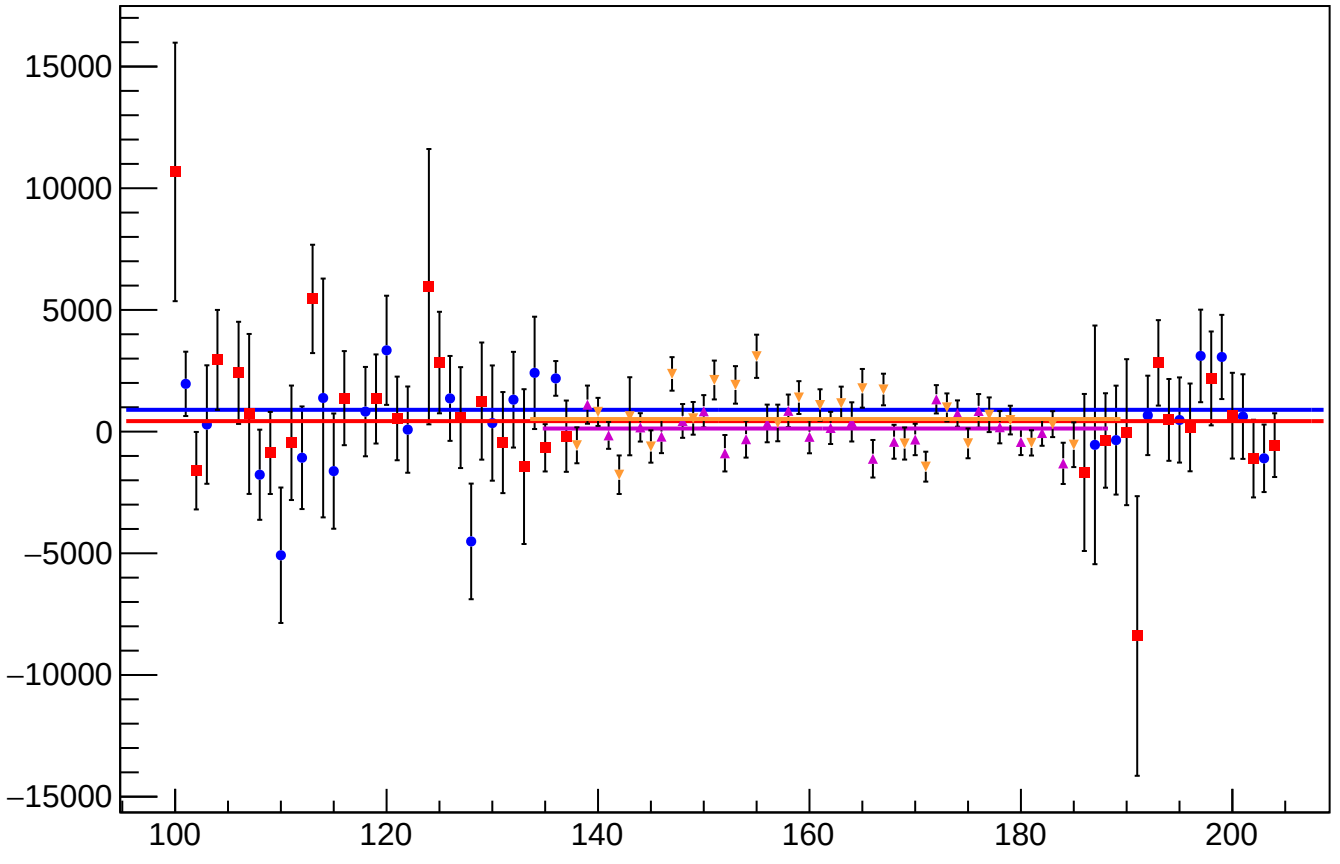
Right Out: 1278.778+/-0.235 χ^2/NDF: 477563.4/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.680+/-0.156 χ^2/NDF: 730355.5/48

All: 1252.893+/-0.110 χ^2/NDF: 1268177.4/10

- sign 1253.099+/-0.154 χ^2/NDF: 537818.2/52



Right In: 895.941+/-355.238 χ^2/NDF: 25.4/23

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

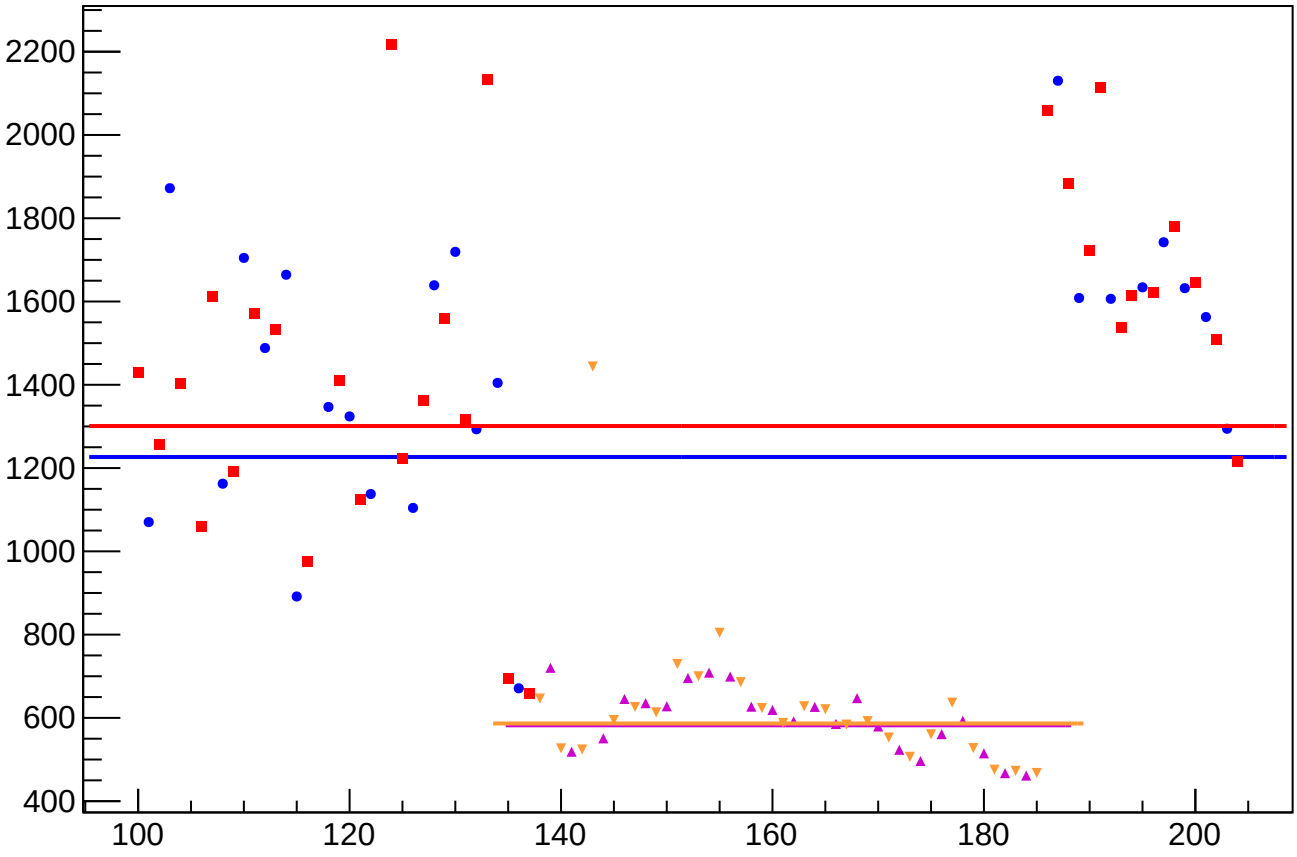
Right Out: 430.945+/-349.146 χ^2/NDF: 25.7/29

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 565.119+/-126.804 χ^2/NDF: 93.4/48

All: 367.684+/-89.996 χ^2/NDF: 146.2/101

- sign 167.300+/-127.748 χ^2/NDF: 47.9/52



Right In: 1226.505+/-0.251 χ^2/NDF: 2399015.2/23

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1300.918+/-0.247 χ^2/NDF: 2357253.6/29

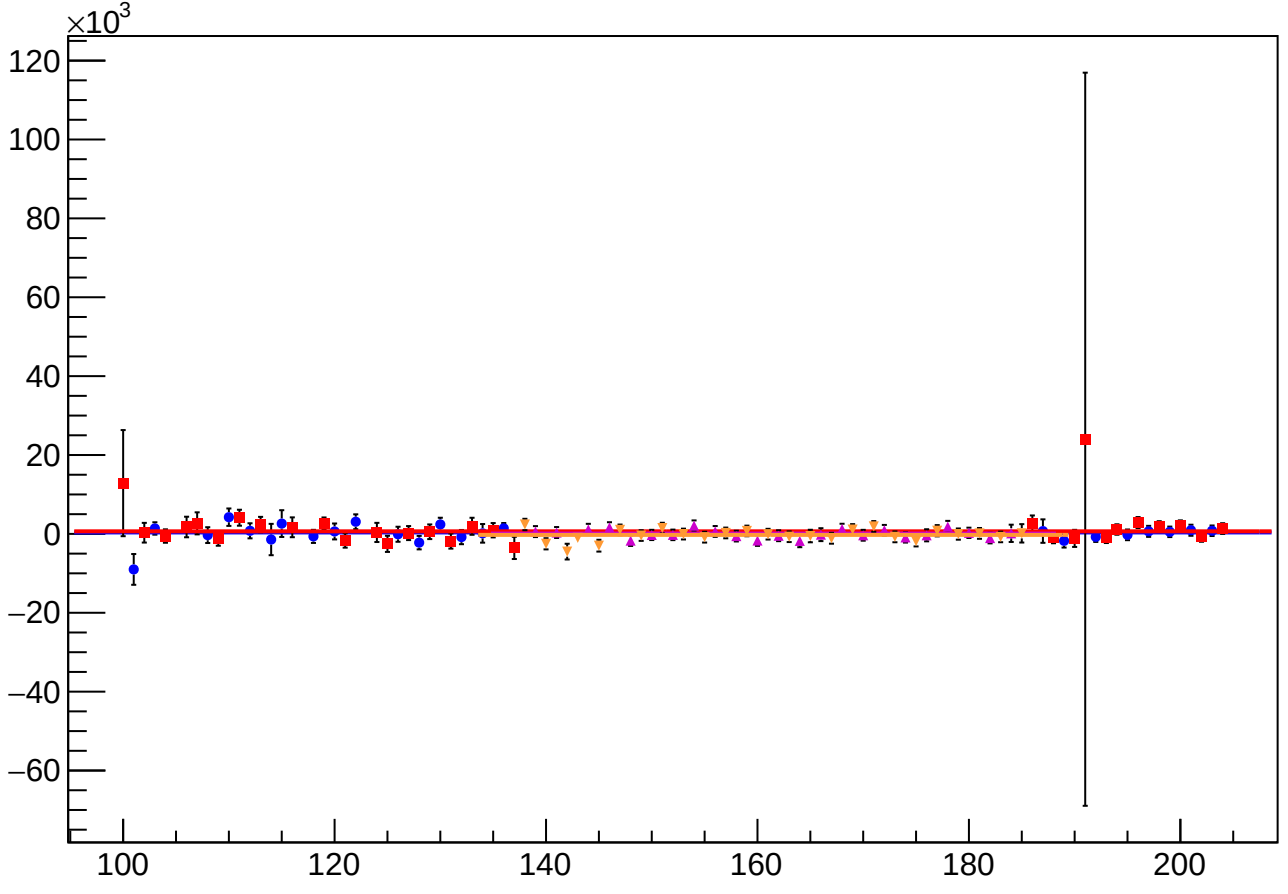
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 668.102+/-0.090 χ^2/NDF: 9265286.7/48

All: 673.216+/-0.064 χ^2/NDF: 19528889.2/10

- sign 678.407+/-0.090 χ^2/NDF: 10257047.3/52

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 368.671+/-353.757 χ^2/NDF: 20.2/23

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 652.324+/-330.942 χ^2/NDF: 26.8/29

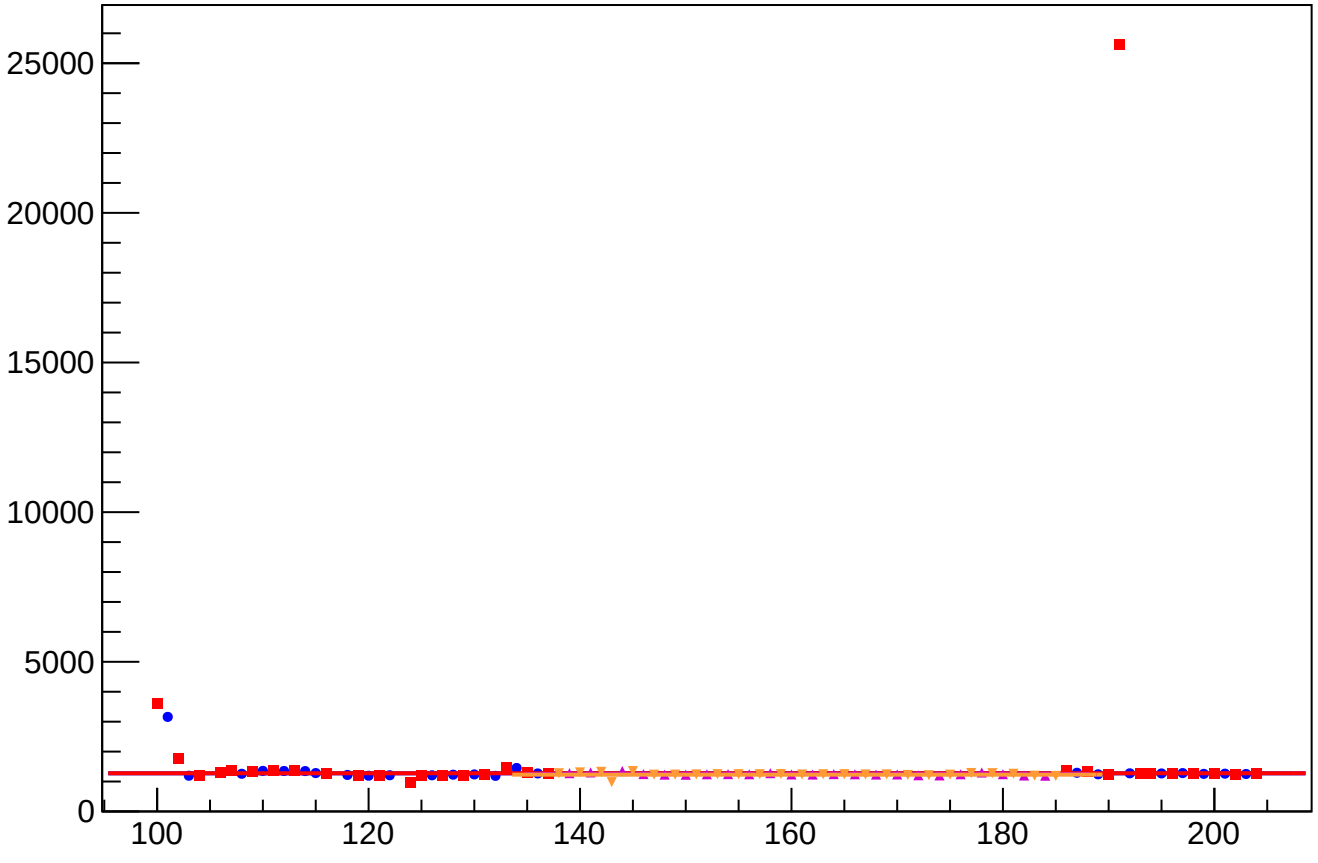
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -12.307+/-219.513 χ^2/NDF: 46.1/48

All: 158.015+/-154.940 χ^2/NDF: 89.8/101

- sign 327.118+/-218.726 χ^2/NDF: 42.5/52

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1273.420+/-0.250 χ^2/NDF: 509496.4/23

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

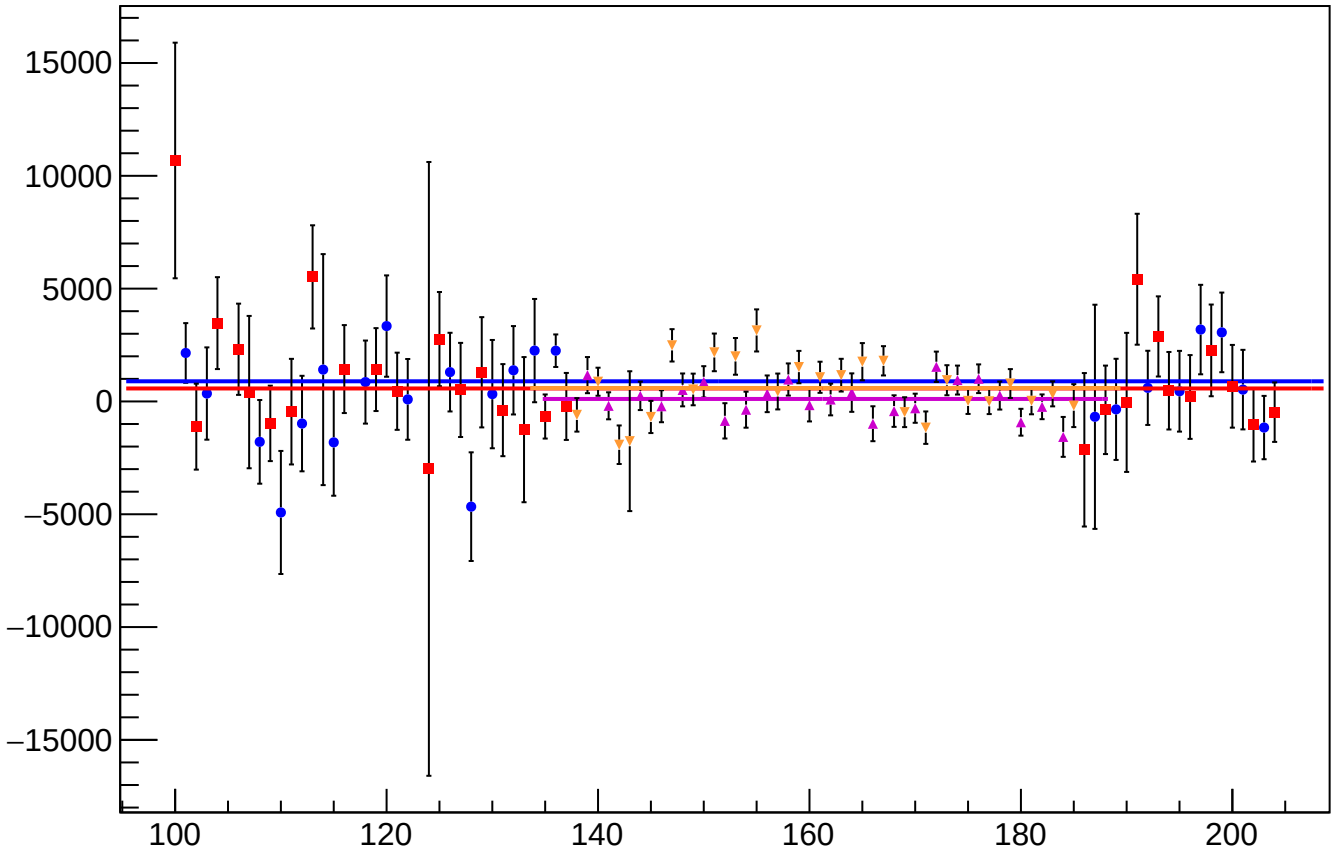
Right Out: 1276.606+/-0.234 χ^2/NDF: 370183.0/29

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1246.710+/-0.155 χ^2/NDF: 669644.7/48

All: 1253.567+/-0.110 χ^2/NDF: 1079599.7/10

- sign 1260.375+/-0.155 χ^2/NDF: 406066.3/52



Right In: 893.134+/-356.751 χ^2/NDF: 26.0/23

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 574.936+/-353.530 χ^2/NDF: 24.9/29

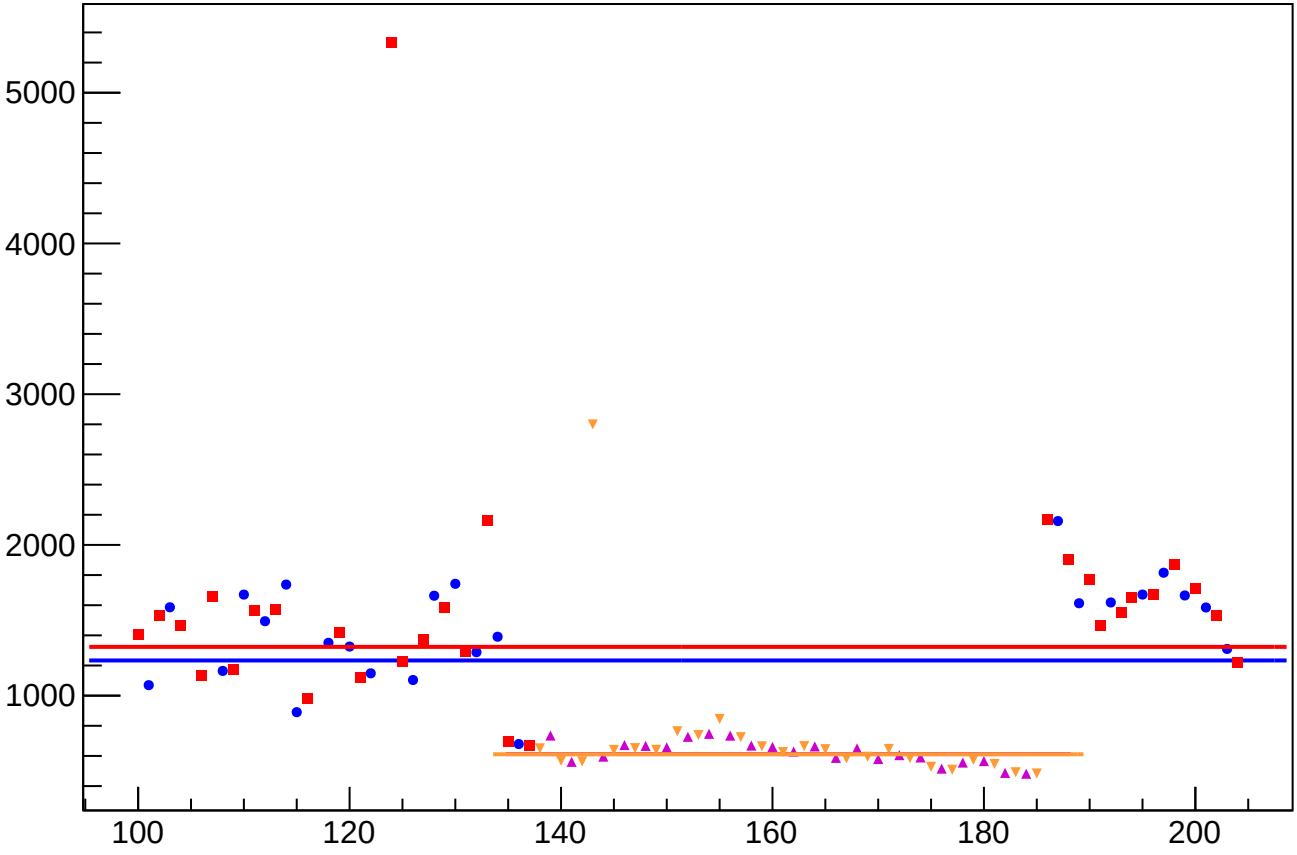
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 635.839+/-132.037 χ^2/NDF: 83.9/48

All: 408.808+/-93.893 χ^2/NDF: 142.0/101

- sign 176.560+/-133.546 χ^2/NDF: 52.1/52

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug



Right In: 1233.456+/-0.252 χ^2/NDF: 2342203.4/23

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1323.525+/-0.250 χ^2/NDF: 2574408.4/29

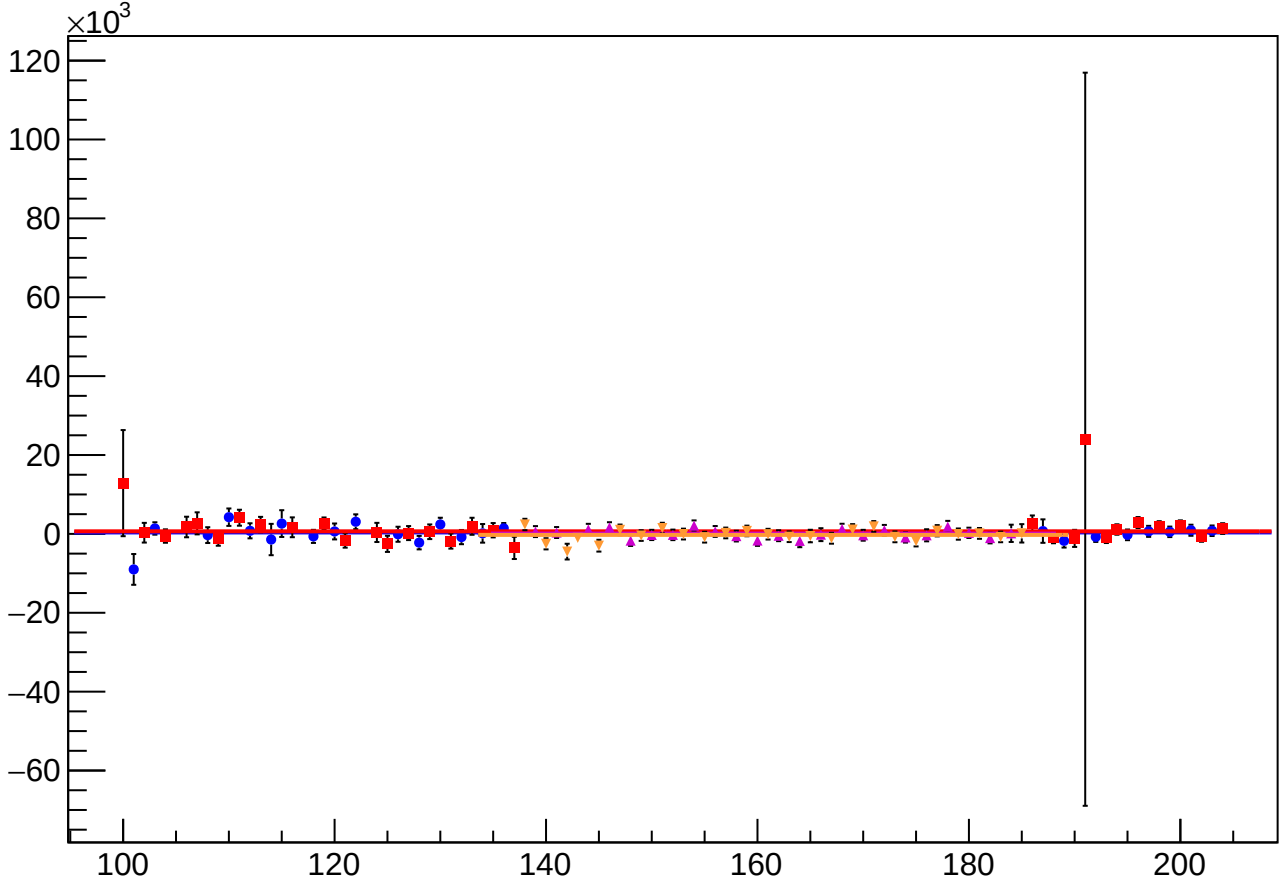
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 696.340+/-0.093 χ^2/NDF: 9214641.2/48

All: 705.007+/-0.066 χ^2/NDF: 19252622.5/10

- sign 713.873+/-0.094 χ^2/NDF: 10020549.9/52

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 368.673+/-353.757 χ^2/NDF: 20.2/23

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 652.325+/-330.942 χ^2/NDF: 26.8/29

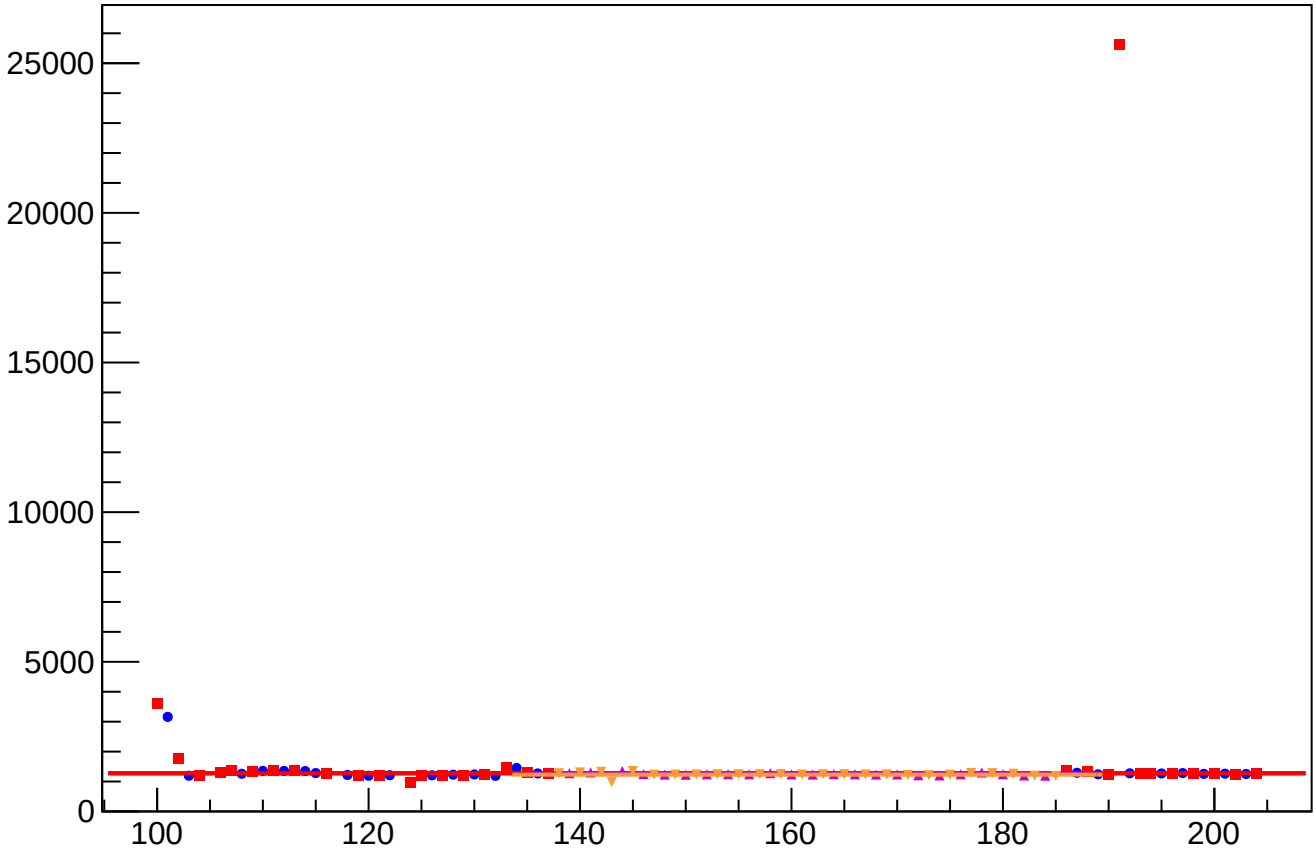
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -12.307+/-219.513 χ^2/NDF: 46.1/48

All: 158.015+/-154.940 χ^2/NDF: 89.8/101

- sign 327.118+/-218.726 χ^2/NDF: 42.5/52

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1273.420+/-0.250 χ^2/NDF: 509496.5/23

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

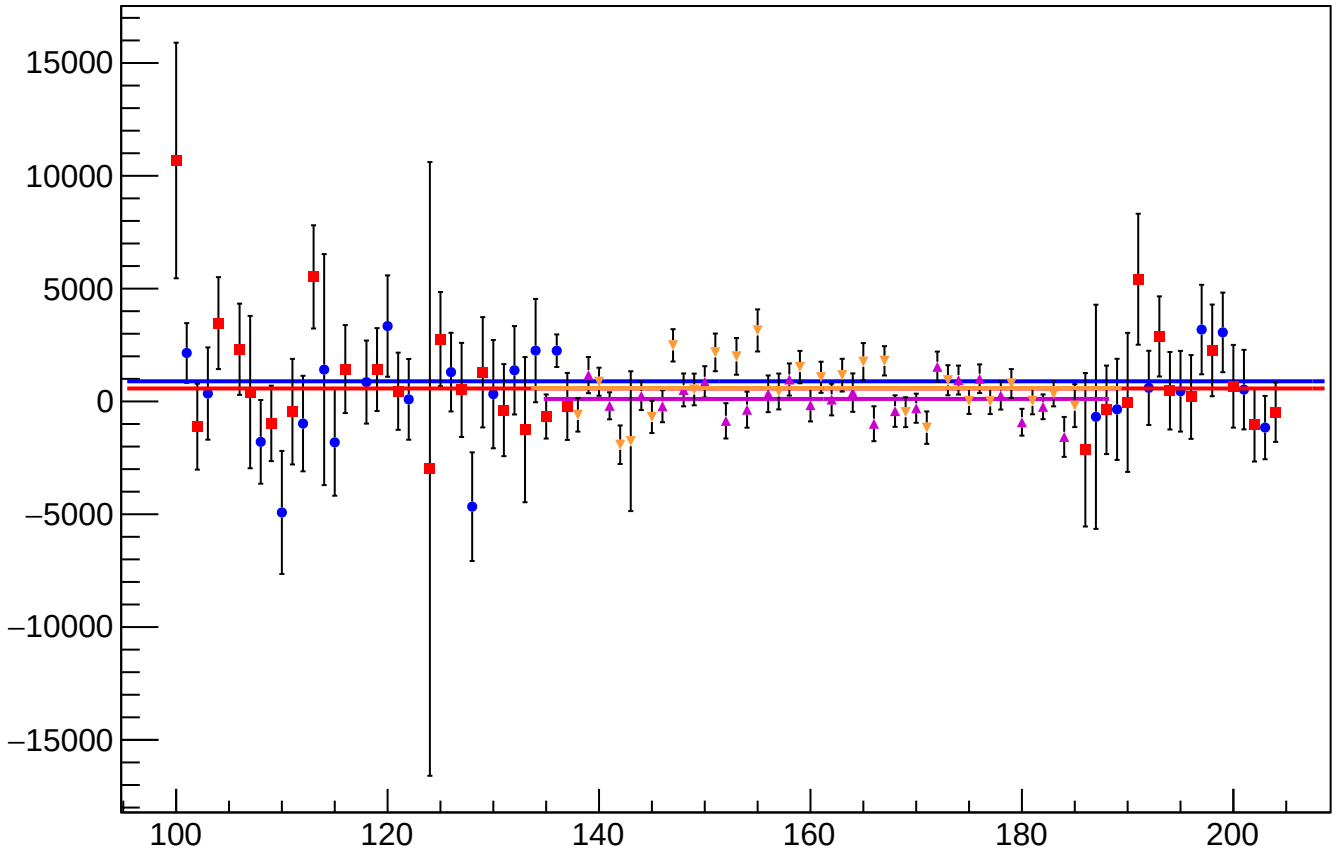
Right Out: 1276.606+/-0.234 χ^2/NDF: 370182.9/29

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1246.710+/-0.155 χ^2/NDF: 669643.9/48

All: 1253.567+/-0.110 χ^2/NDF: 1079598.7/10

- sign 1260.374+/-0.155 χ^2/NDF: 406066.1/52



Right In: 893.130+/-356.751 χ^2/NDF: 26.0/23

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

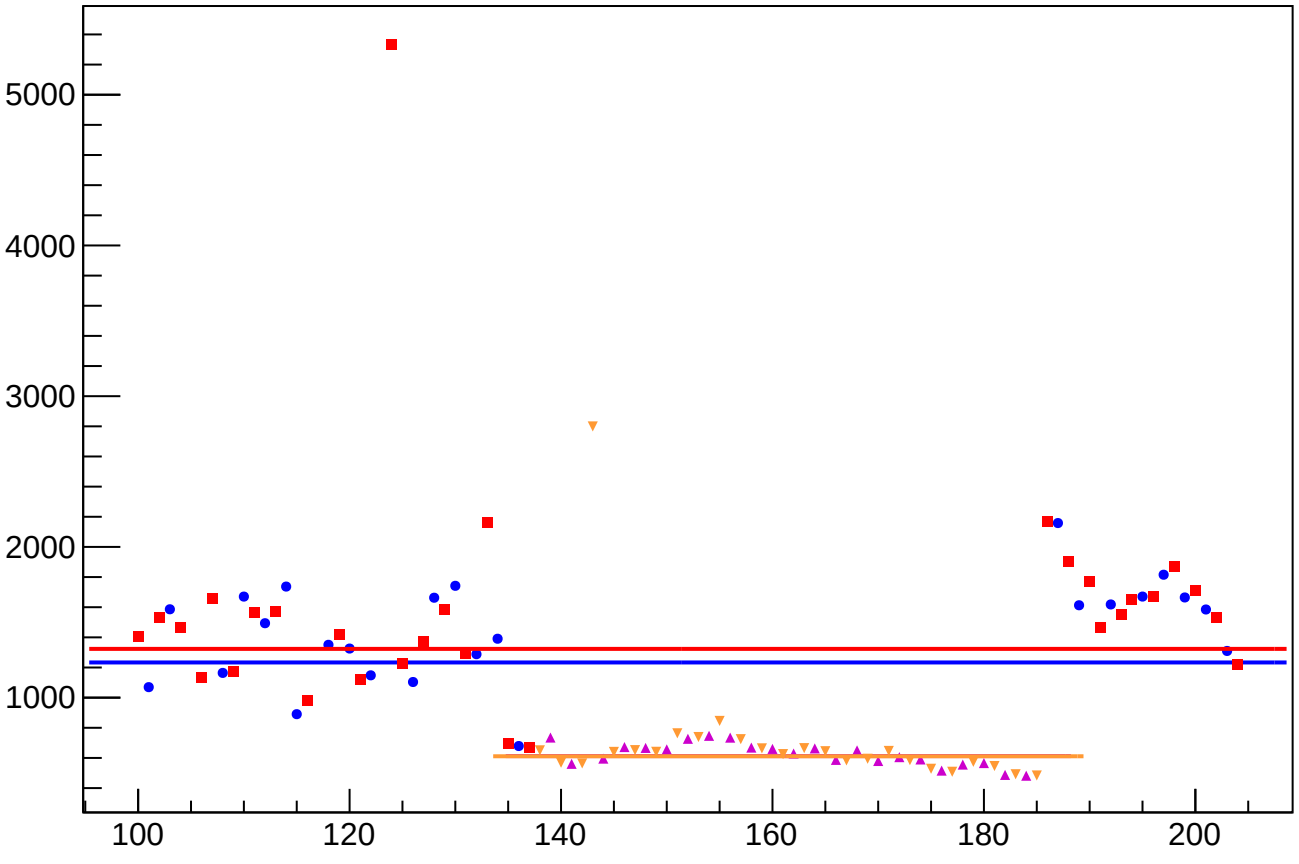
Right Out: 574.944+/-353.531 χ^2/NDF: 24.9/29

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 635.838+/-132.037 χ^2/NDF: 83.9/48

All: 408.807+/-93.893 χ^2/NDF: 142.0/101

- sign 176.560+/-133.546 χ^2/NDF: 52.1/52



Right In: 1233.461+/-0.252 χ^2/NDF: 2342123.7/23

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1323.530+/-0.250 χ^2/NDF: 2574331.0/29

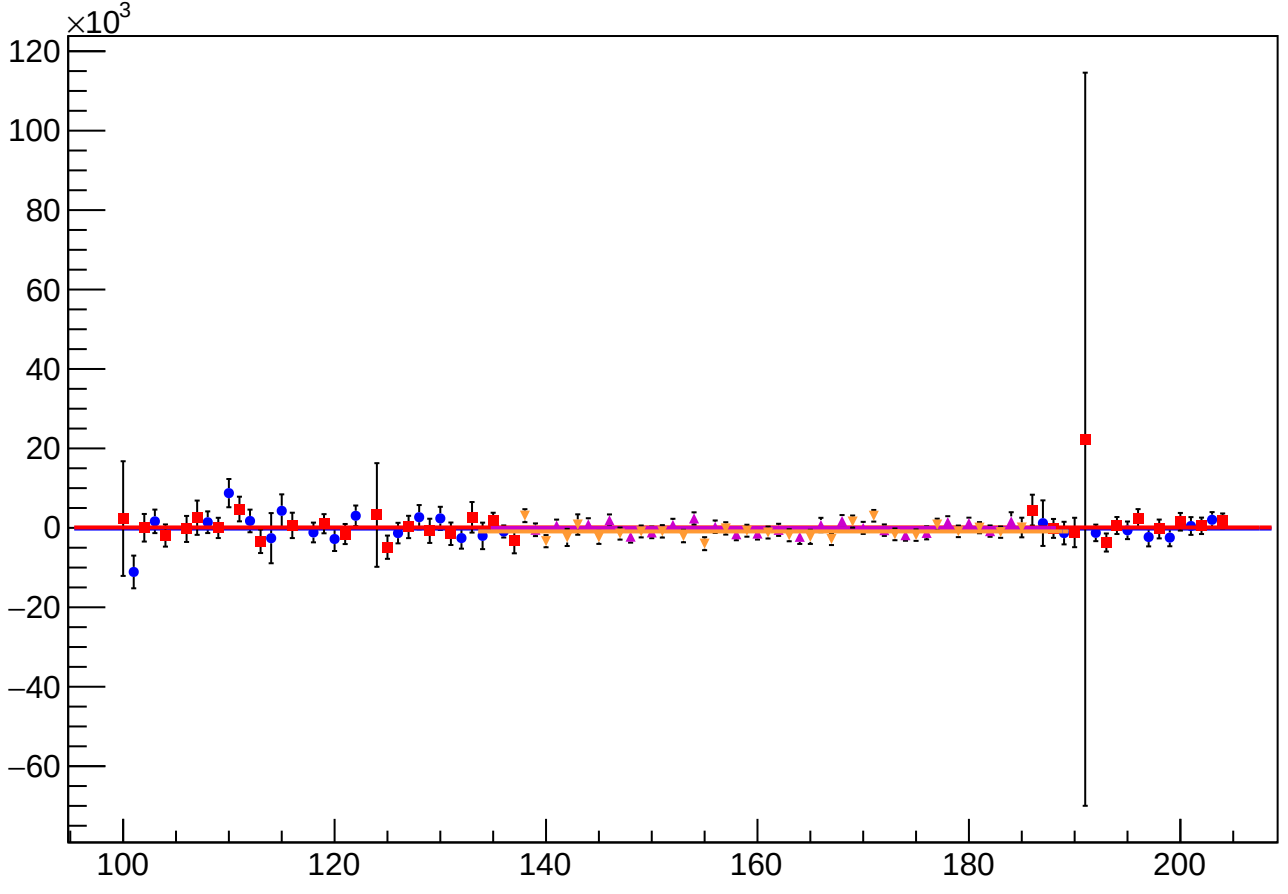
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 696.340+/-0.093 χ^2/NDF: 9214628.5/48

All: 705.007+/-0.066 χ^2/NDF: 19252620.9/10

- sign 713.872+/-0.094 χ^2/NDF: 10020562.0/52

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -180.572+/-535.214 χ^2/NDF: 25.3/23

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 103.218+/-509.365 χ^2/NDF: 17.2/29

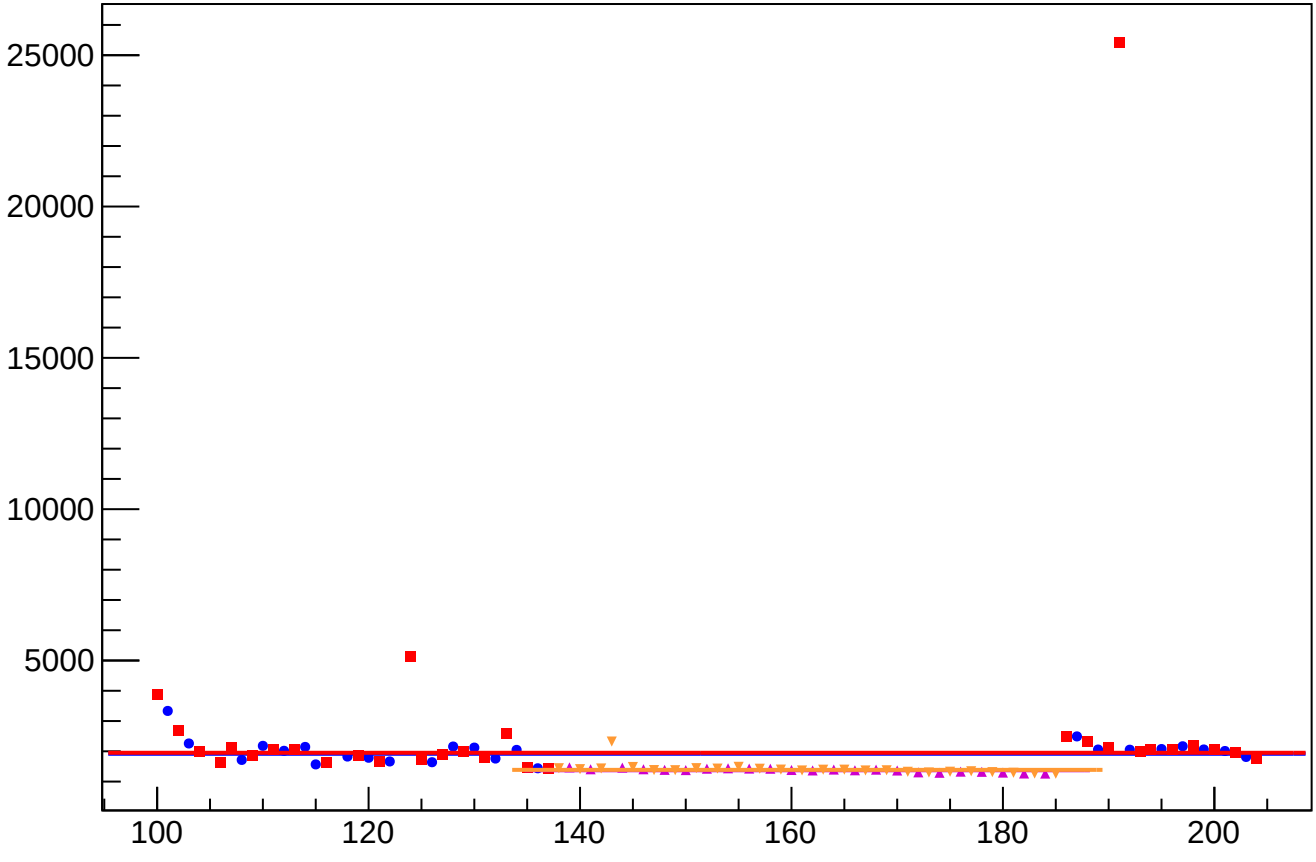
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

\+ sign -713.568+/-272.398 χ^2/NDF: 56.4/48

All: -358.229+/-192.306 χ^2/NDF: 94.9/101

\- sign -5.156+/-271.528 χ^2/NDF: 35.1/52

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1918.364+/-0.378 χ^2/NDF: 665286.0/23

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

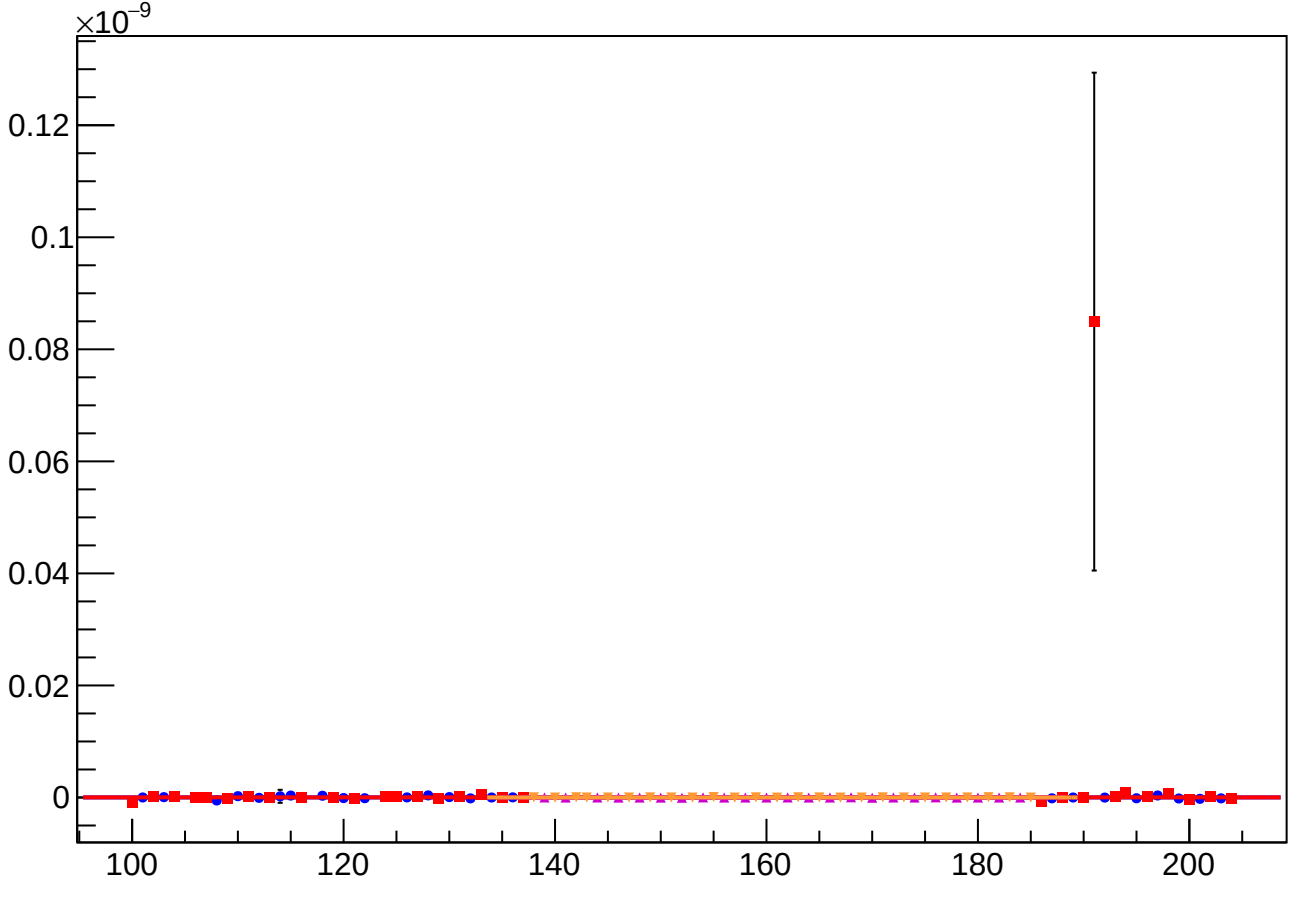
Right Out: 1951.348+/-0.360 χ^2/NDF: 836306.3/29

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1524.525+/-0.193 χ^2/NDF: 2466631.8/48

All: 1531.035+/-0.136 χ^2/NDF: 5214024.9/10

- sign 1537.503+/-0.192 χ^2/NDF: 2745116.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

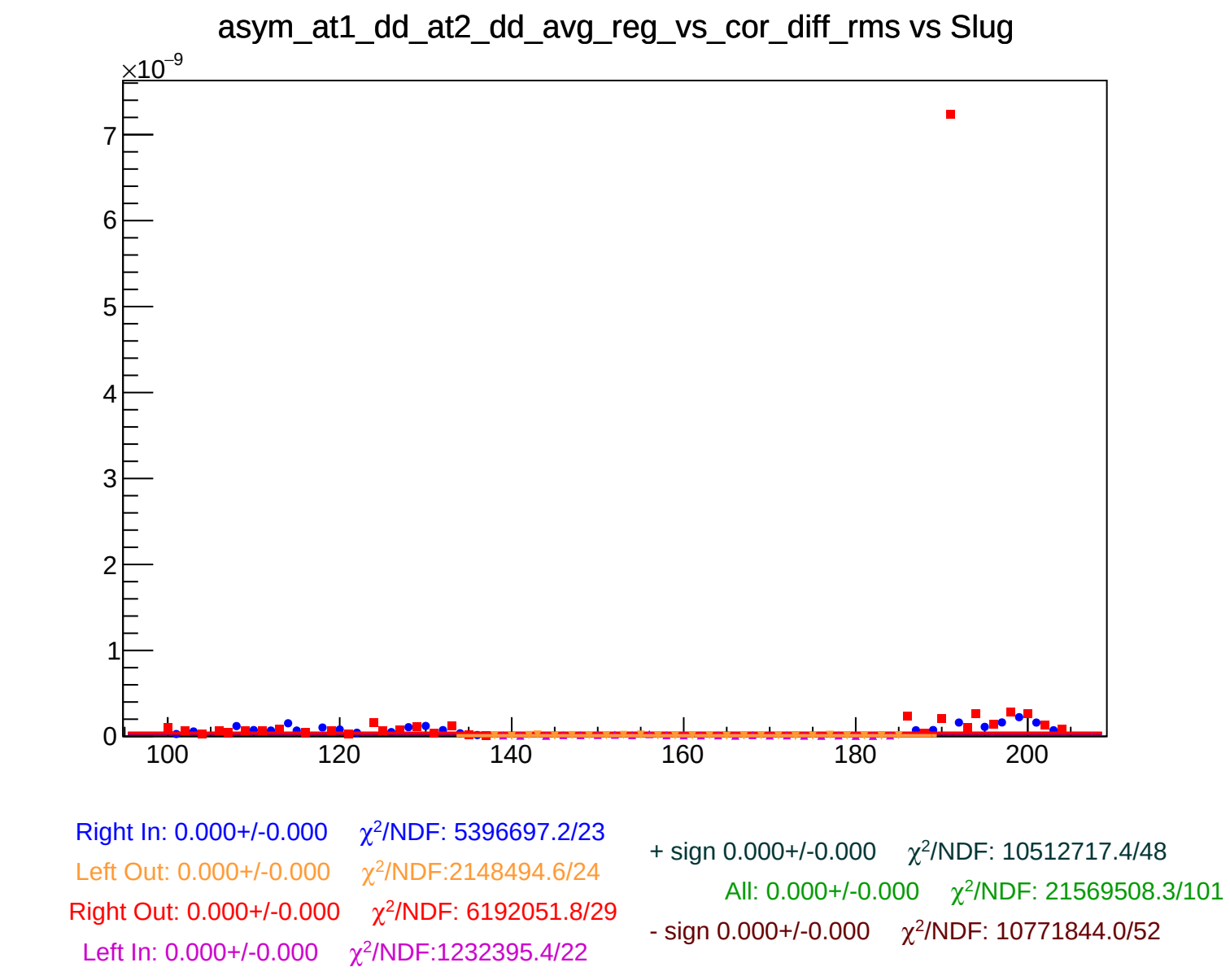
Right Out: 0.000+/-0.000 χ^2/NDF: 45.8/29

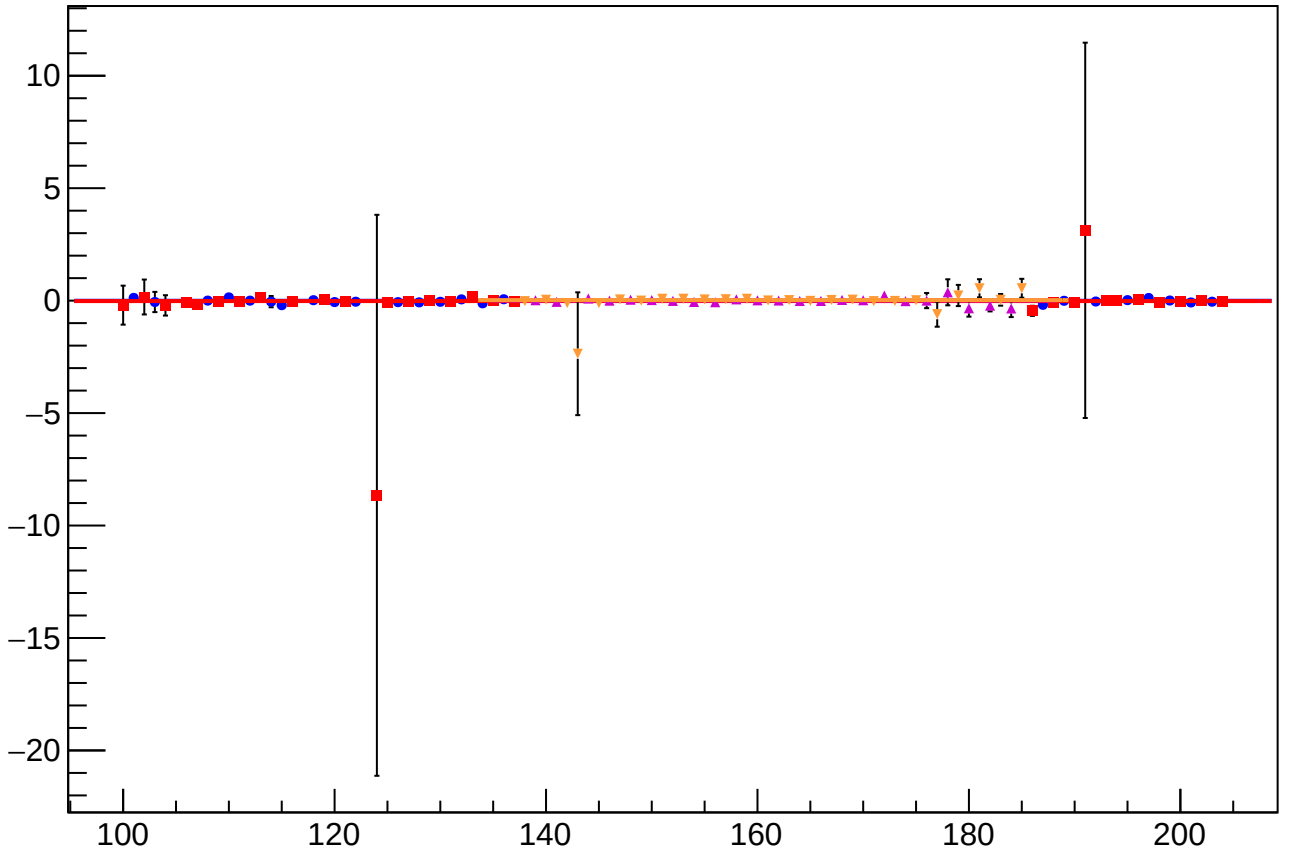
Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.7/48

All: 0.000+/-0.000 χ^2/NDF: 107.6/101

- sign -0.000+/-0.000 χ^2/NDF: 60.2/52


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0
1
2
3
4
5
6
7
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5396697.2/23
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6192051.8/29
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
+ sign 0.000+/-0.000 χ²/NDF: 10512717.4/48
All: 0.000+/-0.000 χ²/NDF: 21569508.3/101
- sign 0.000+/-0.000 χ²/NDF: 10771844.0/52



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.020+/-0.012 χ^2/NDF: 22.0/29

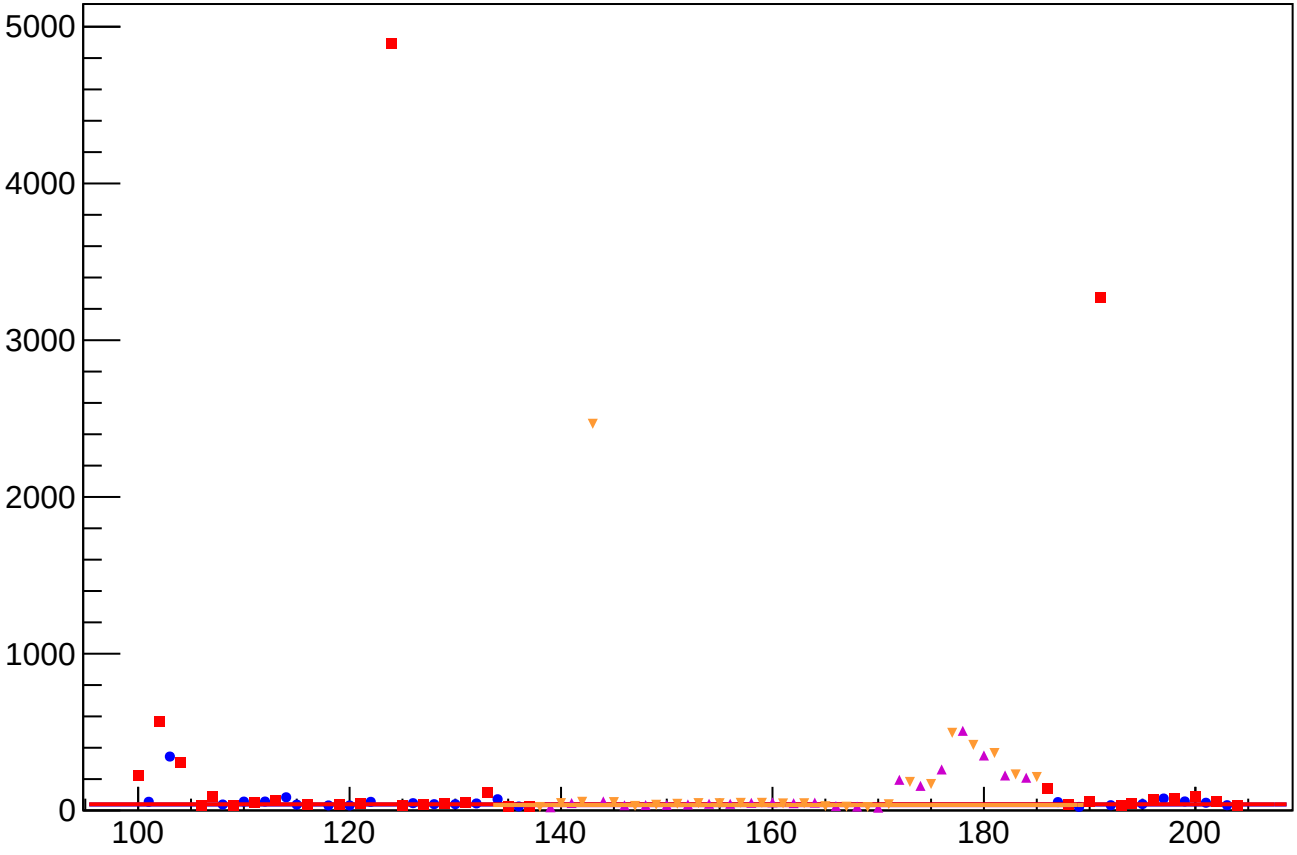
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.008 χ^2/NDF: 54.1/48

All: 0.004+/-0.005 χ^2/NDF: 96.0/101

- sign -0.002+/-0.008 χ^2/NDF: 40.4/52

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.724+/-0.008 χ^2/NDF: 2984504.0/23

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

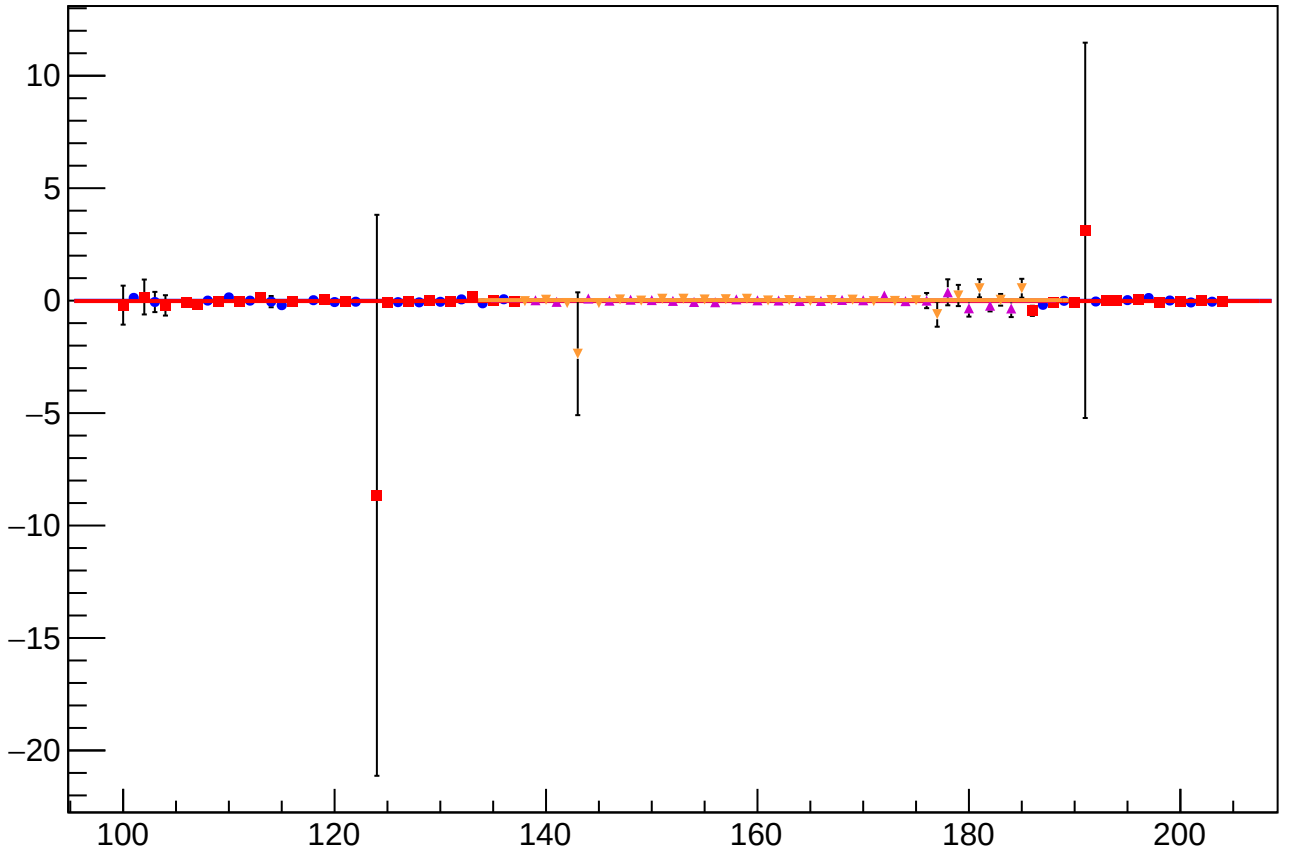
Right Out: 39.592+/-0.009 χ^2/NDF: 5591023.5/29

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.928+/-0.005 χ^2/NDF: 14464584.5/48

All: 35.966+/-0.004 χ^2/NDF: 30416012.0/101

- sign 36.004+/-0.005 χ^2/NDF: 15951330.7/52



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

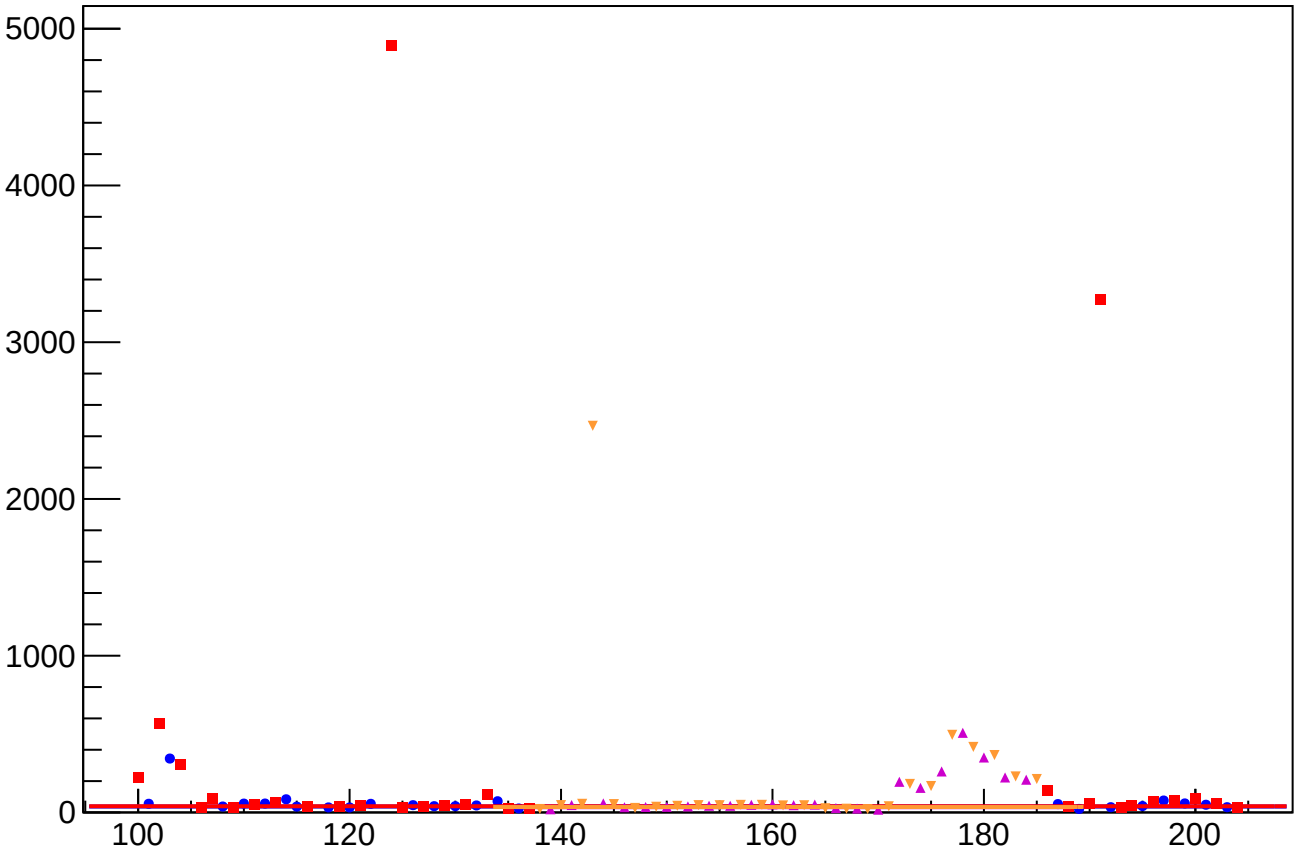
Right Out: -0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.008 χ^2/NDF: 54.1/48

All: 0.004+/-0.005 χ^2/NDF: 96.0/101

- sign -0.002+/-0.008 χ^2/NDF: 40.4/52



Right In: 37.724+/-0.008 χ^2/NDF: 2984504.0/23

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

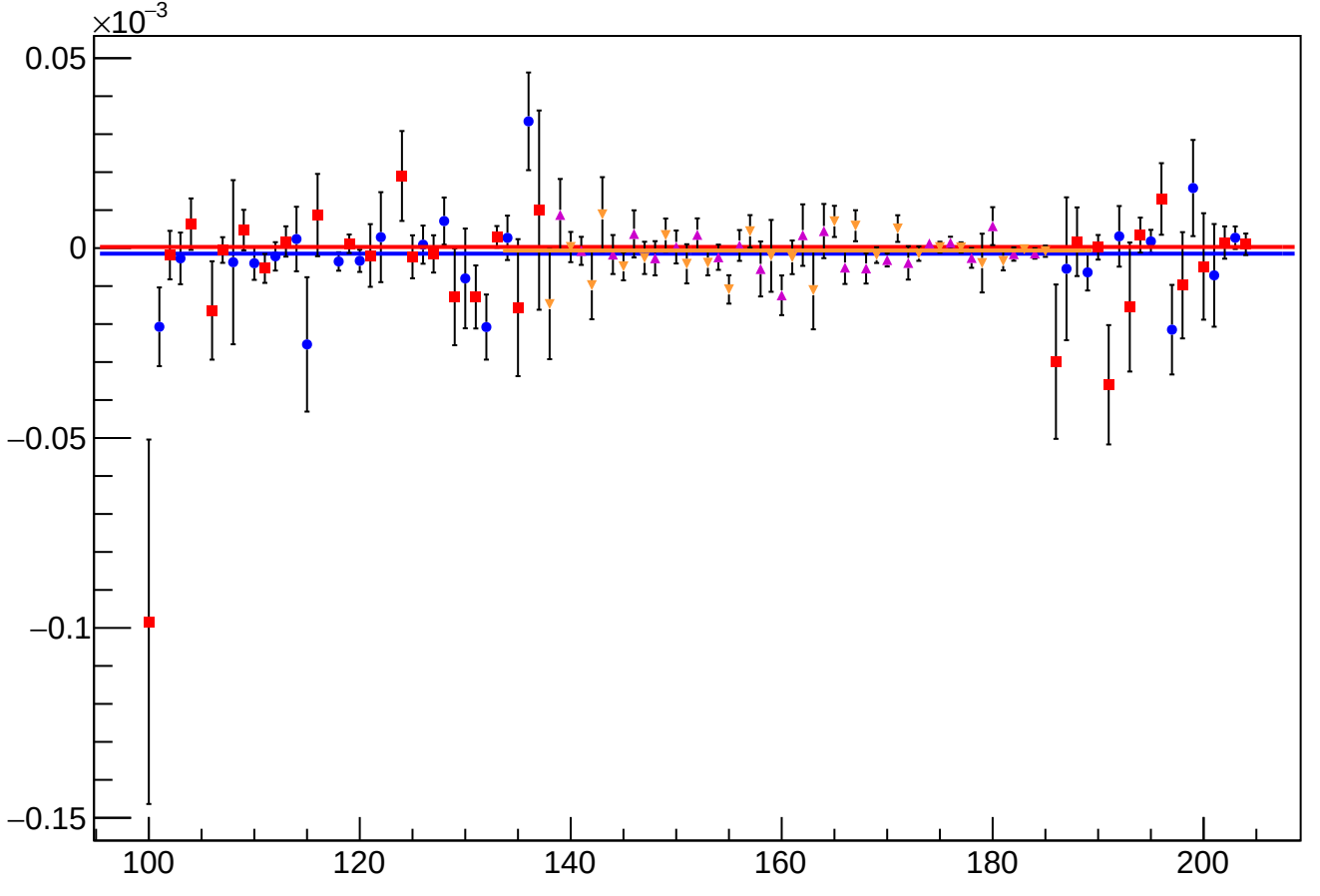
Right Out: 39.592+/-0.009 χ^2/NDF: 5591023.5/29

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.928+/-0.005 χ^2/NDF: 14464584.5/48

All: 35.966+/-0.004 χ^2/NDF: 30416012.0/101

- sign 36.004+/-0.005 χ^2/NDF: 15951330.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

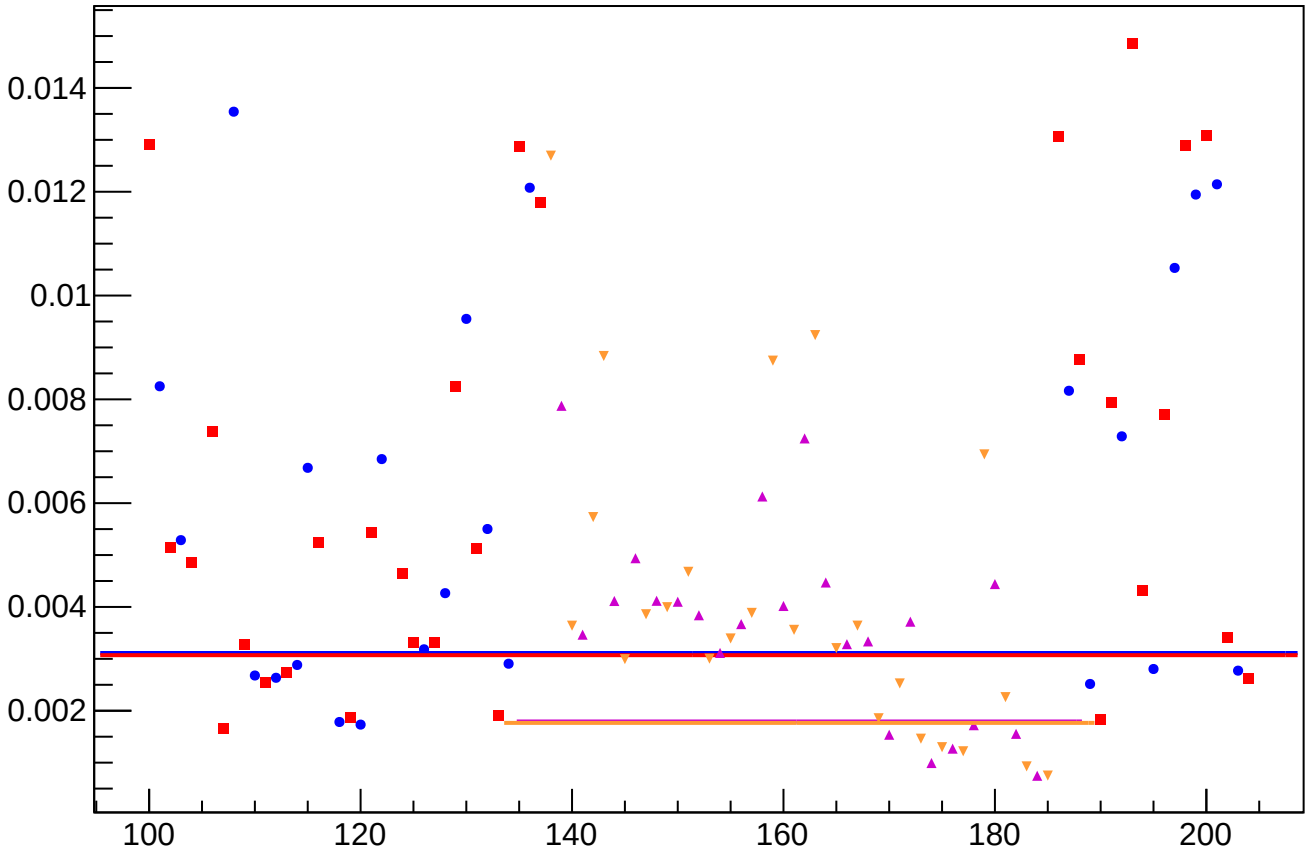
Right Out: 0.000+/-0.000 χ^2/NDF: 30.4/29

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.8/48

All: -0.000+/-0.000 χ^2/NDF: 114.2/101

- sign -0.000+/-0.000 χ^2/NDF: 53.0/52



Right In: 0.003+/-0.000 χ^2/NDF: 7645539.3/23

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

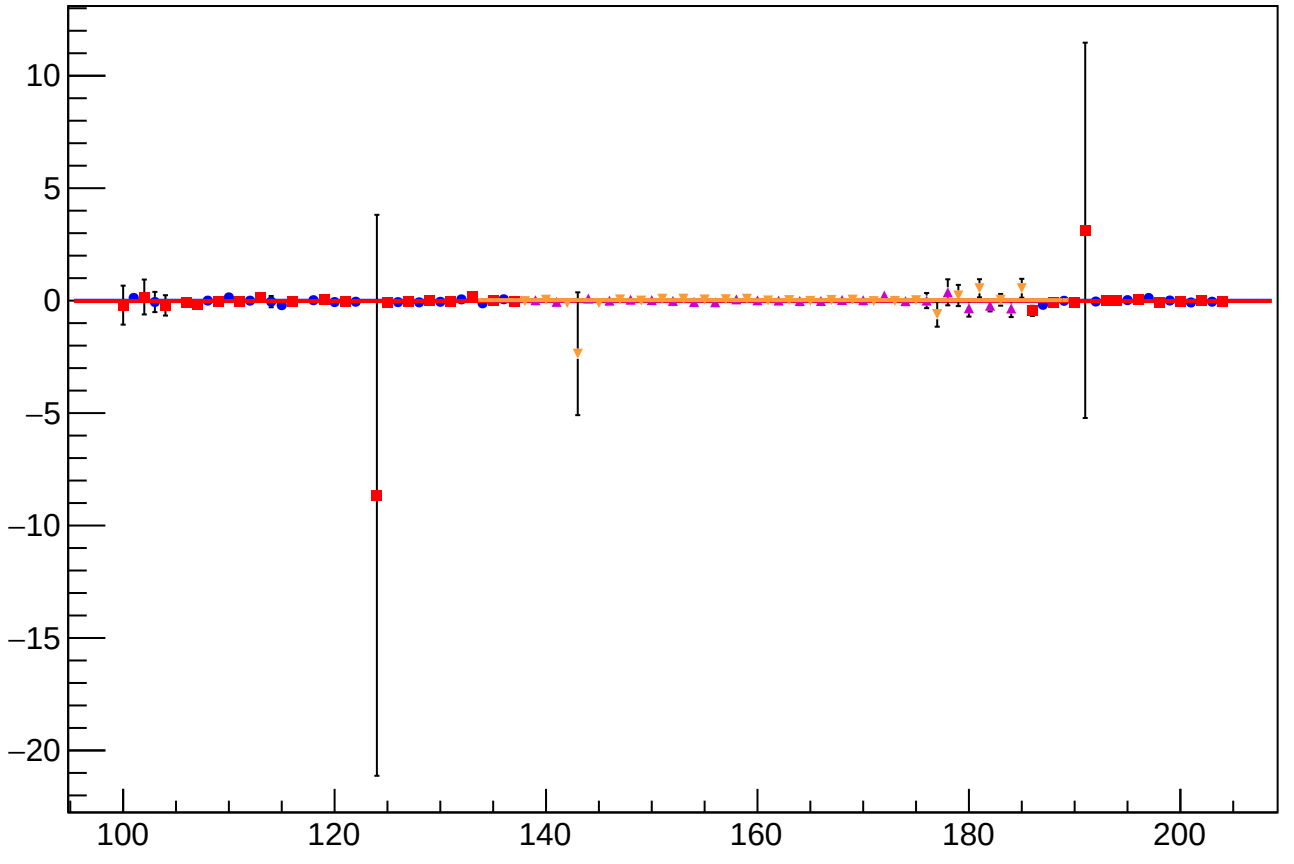
Right Out: 0.003+/-0.000 χ^2/NDF: 8865729.6/29

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 23185159.5/48

All: 0.002+/-0.000 χ^2/NDF: 45542196.8/101

- sign 0.002+/-0.000 χ^2/NDF: 22324064.3/52



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

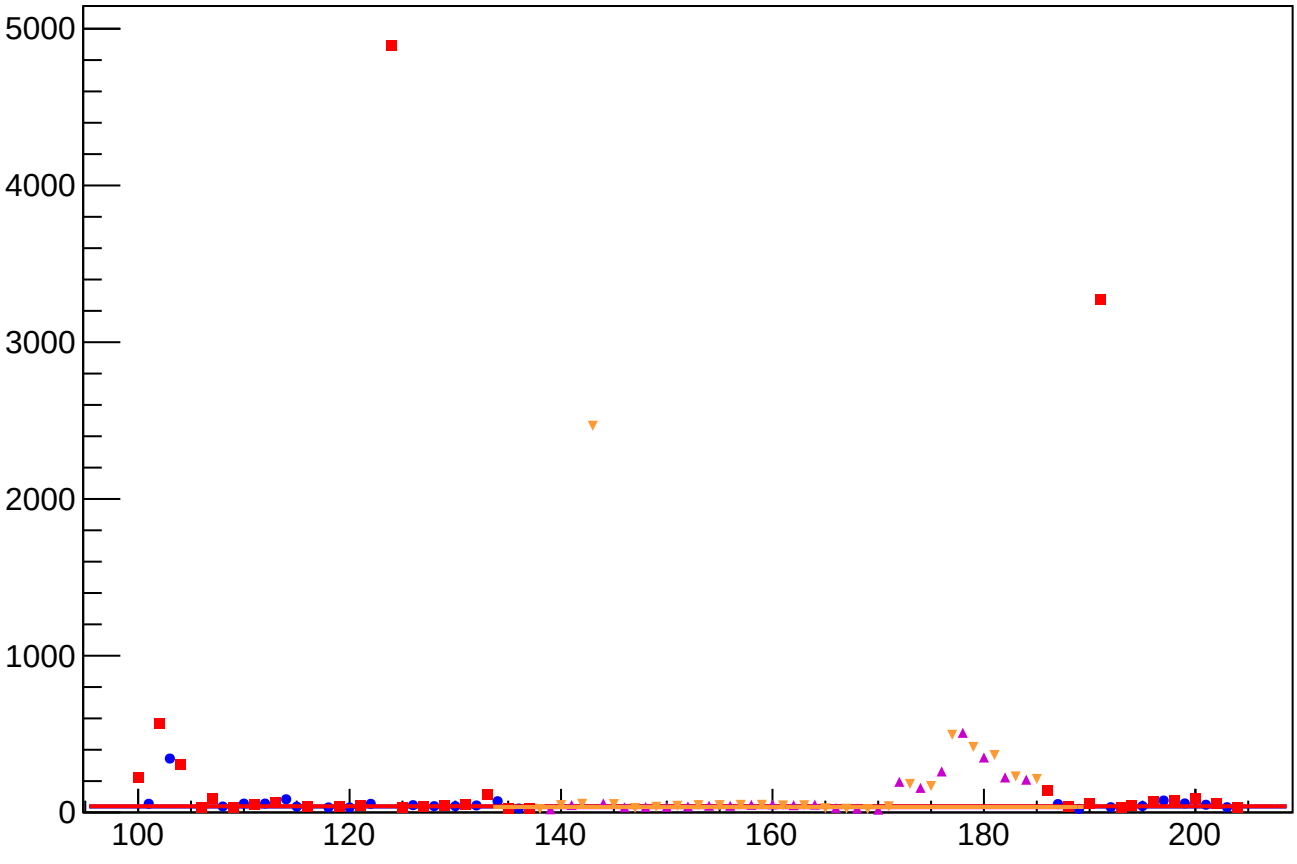
Right Out: -0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.008 χ^2/NDF: 54.1/48

All: 0.004+/-0.005 χ^2/NDF: 96.0/101

- sign -0.002+/-0.008 χ^2/NDF: 40.4/52



Right In: 37.725+/-0.008 χ^2/NDF: 2983710.2/23

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

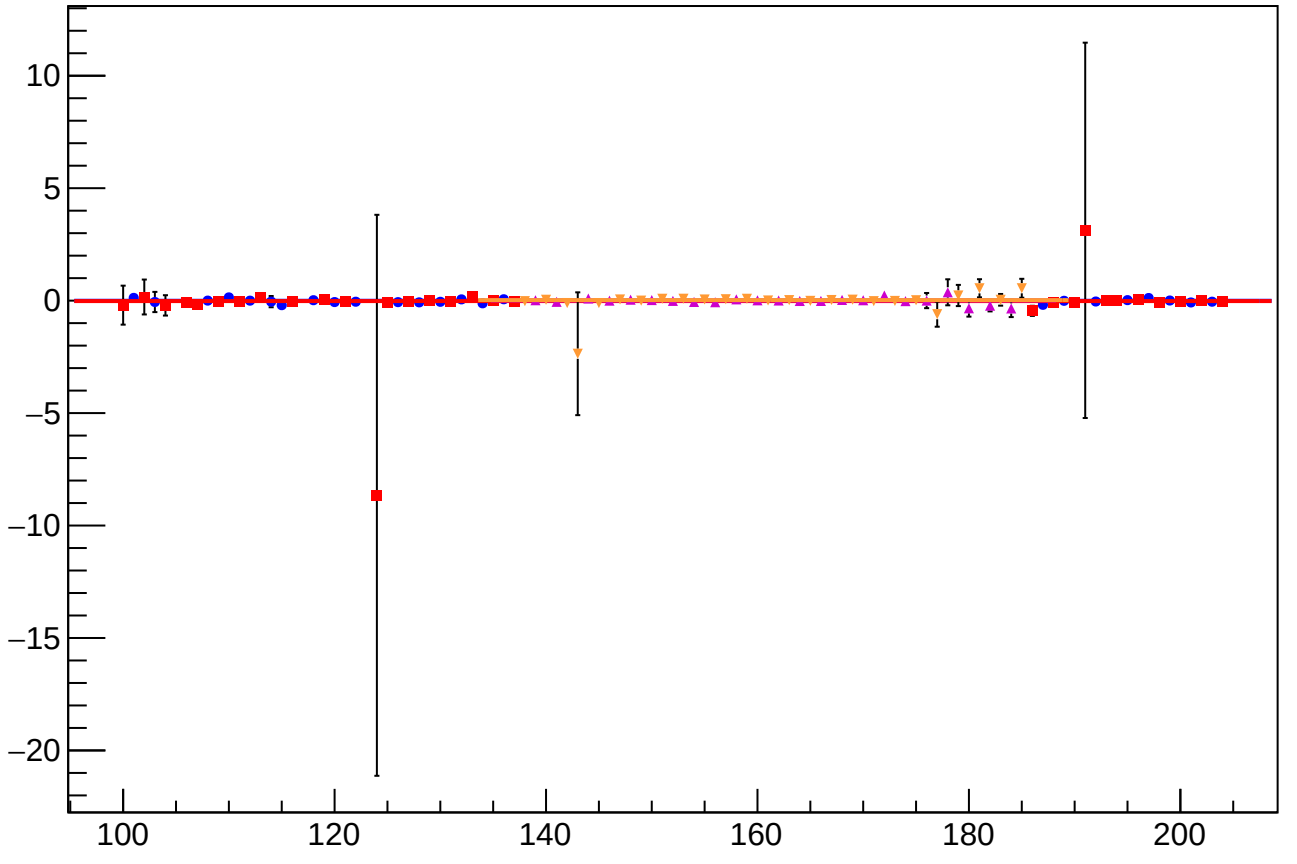
Right Out: 39.592+/-0.009 χ^2/NDF: 5590871.4/29

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.928+/-0.005 χ^2/NDF: 14464037.4/48

All: 35.967+/-0.004 χ^2/NDF: 30413853.9/101

- sign 36.005+/-0.005 χ^2/NDF: 15949715.8/52



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.020+/-0.012 χ^2/NDF: 22.0/29

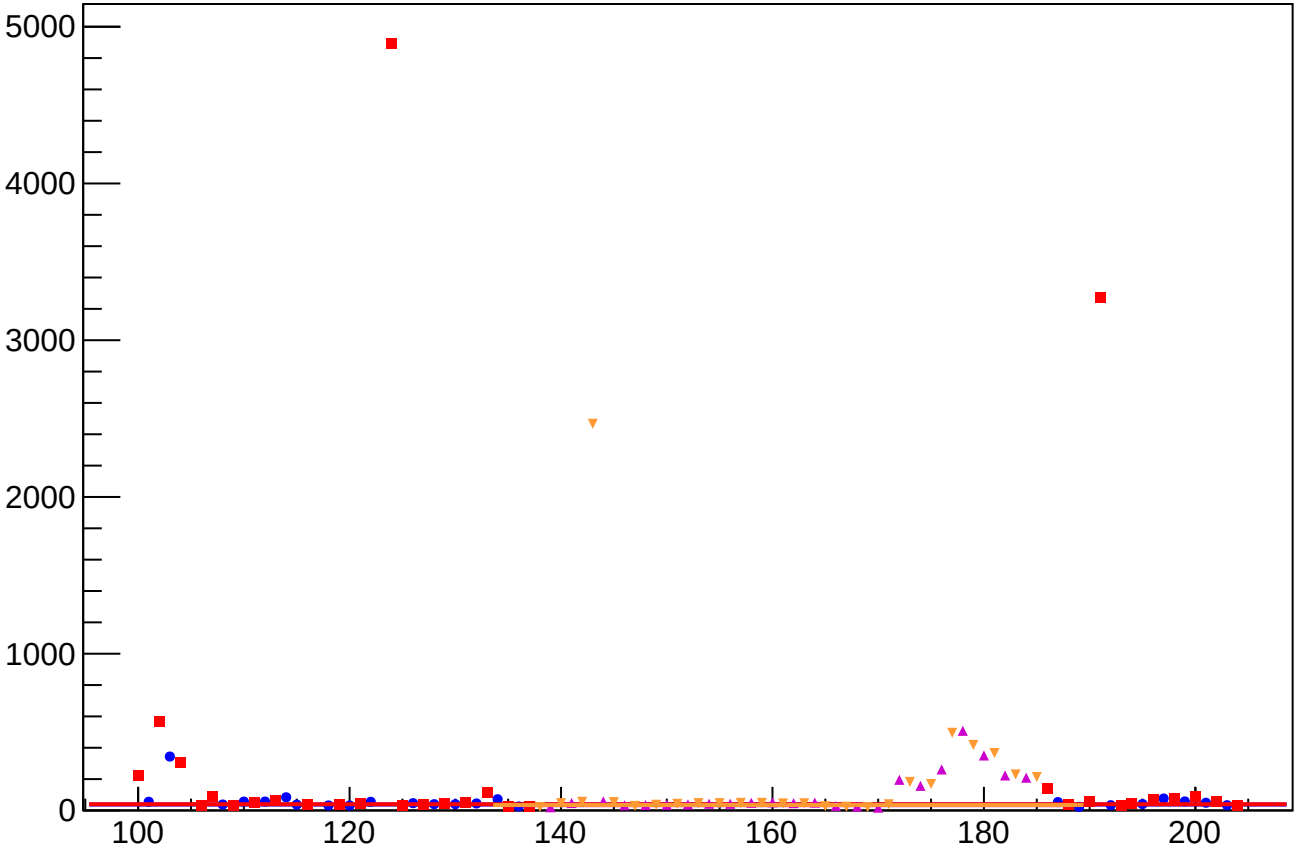
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.008 χ^2/NDF: 54.1/48

All: 0.004+/-0.005 χ^2/NDF: 96.0/101

- sign -0.002+/-0.008 χ^2/NDF: 40.4/52

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.725+/-0.008 χ^2/NDF: 2983710.2/23

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

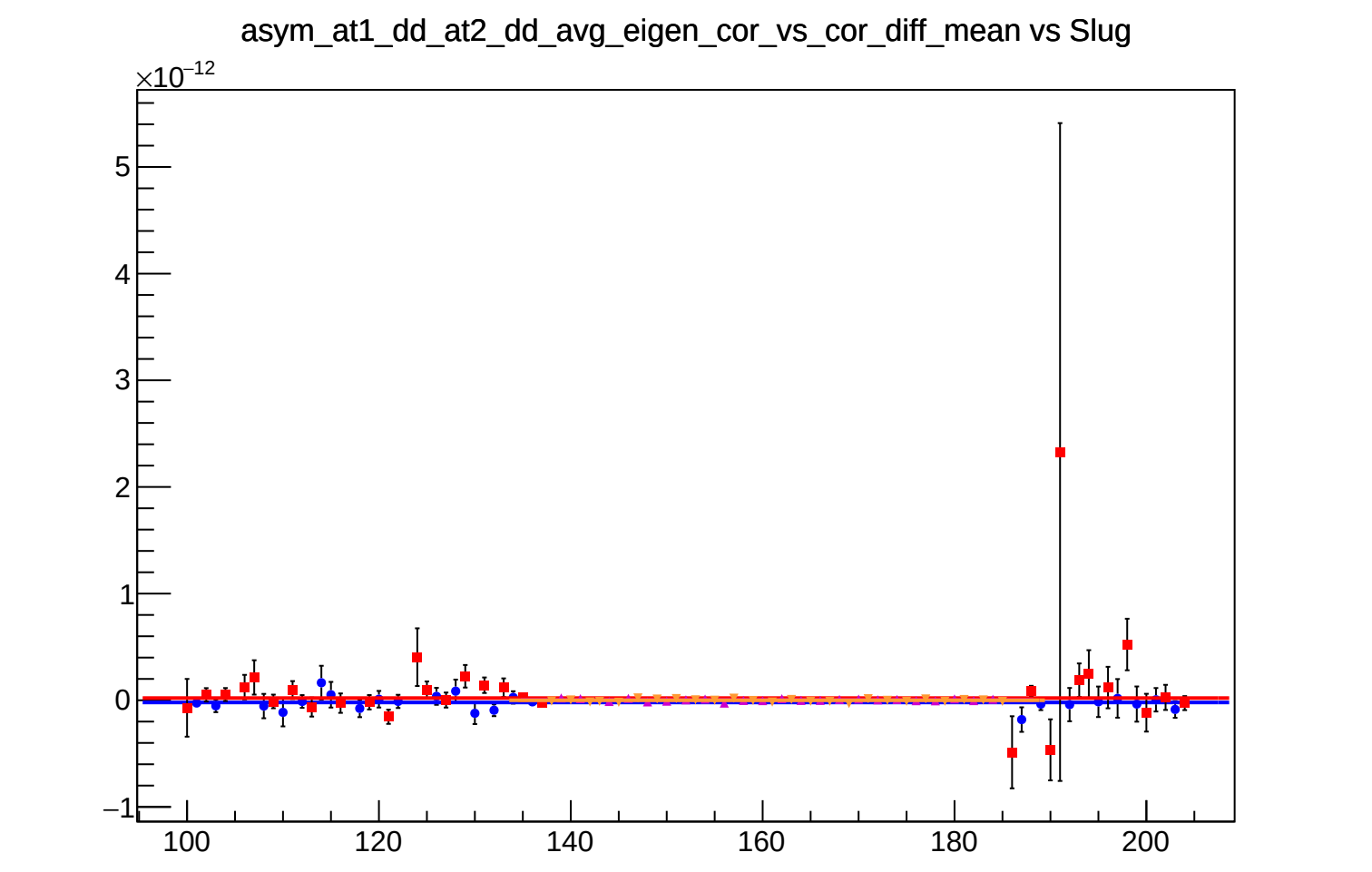
Right Out: 39.592+/-0.009 χ^2/NDF: 5590871.4/29

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.928+/-0.005 χ^2/NDF: 14464037.4/48

All: 35.967+/-0.004 χ^2/NDF: 30413853.9/101

- sign 36.005+/-0.005 χ^2/NDF: 15949715.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 11.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

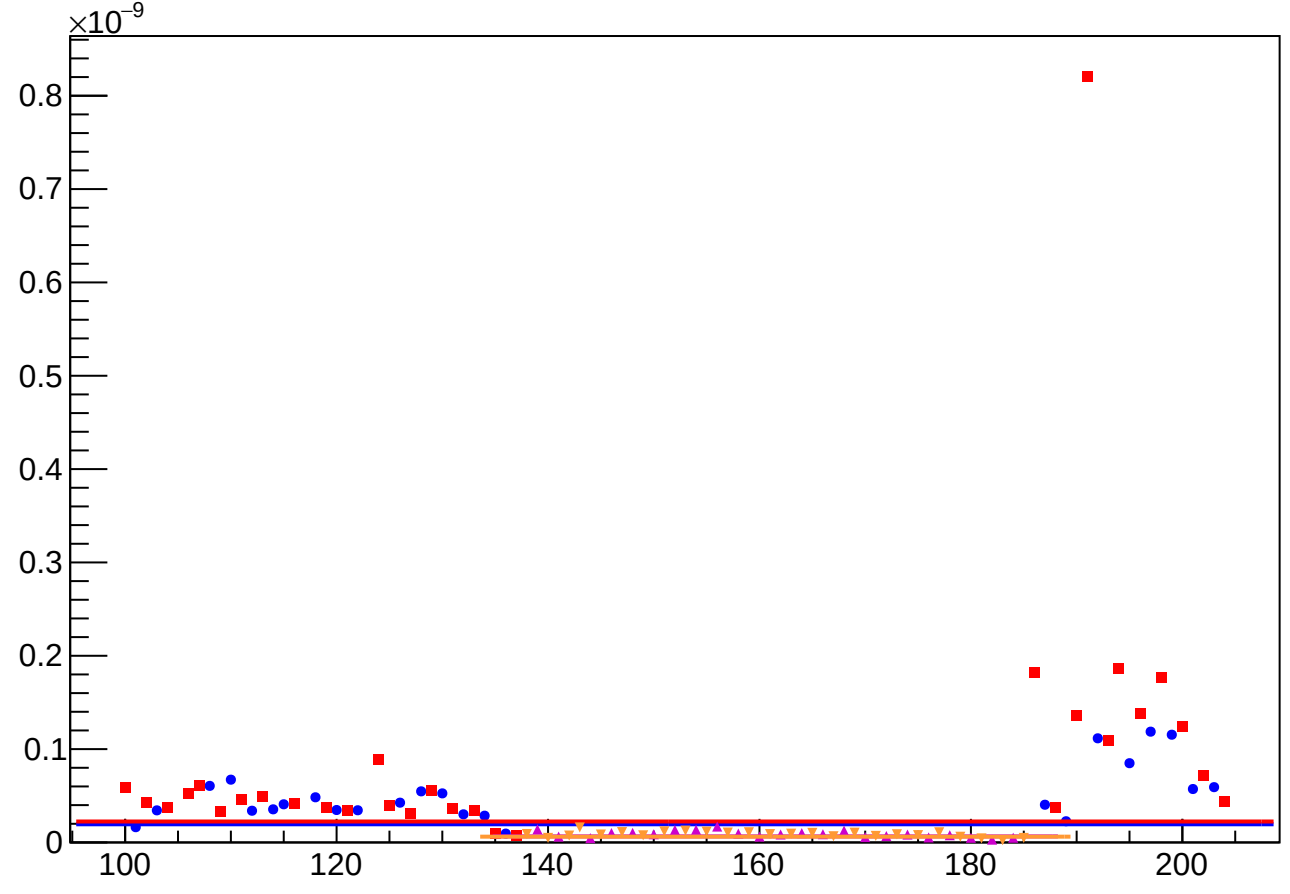
Right Out: 0.000+/-0.000 χ^2/NDF: 42.5/29

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.7/48

All: 0.000+/-0.000 χ^2/NDF: 109.1/101

- sign 0.000+/-0.000 χ^2/NDF: 65.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 6551772.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9456195.6/29

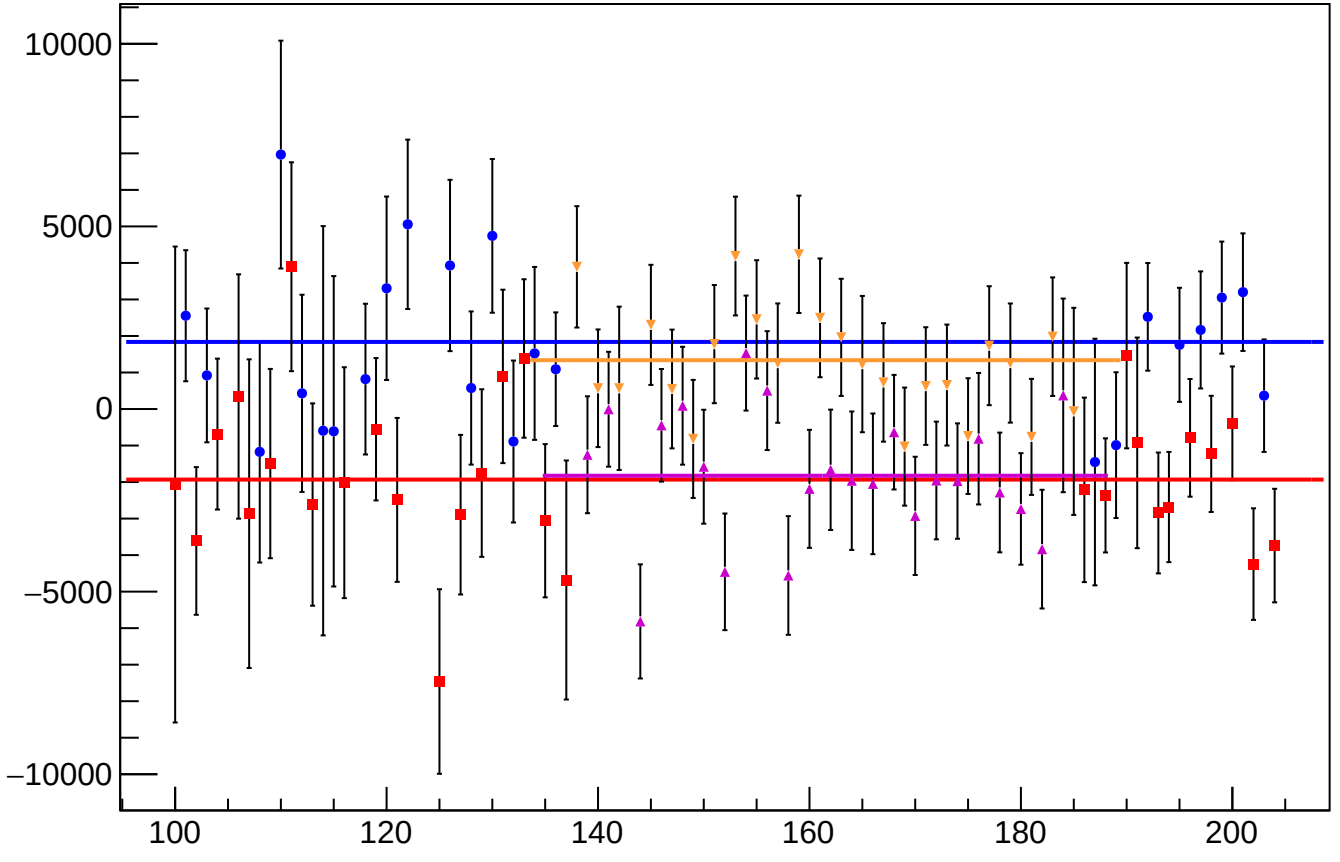
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 15329273.0/48

All: 0.000+/-0.000 χ^2/NDF: 33251367.1/101

- sign 0.000+/-0.000 χ^2/NDF: 17893277.6/52

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1837.387+/-412.237 χ^2/NDF: 17.7/23

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1932.235+/-390.472 χ^2/NDF: 24.0/28

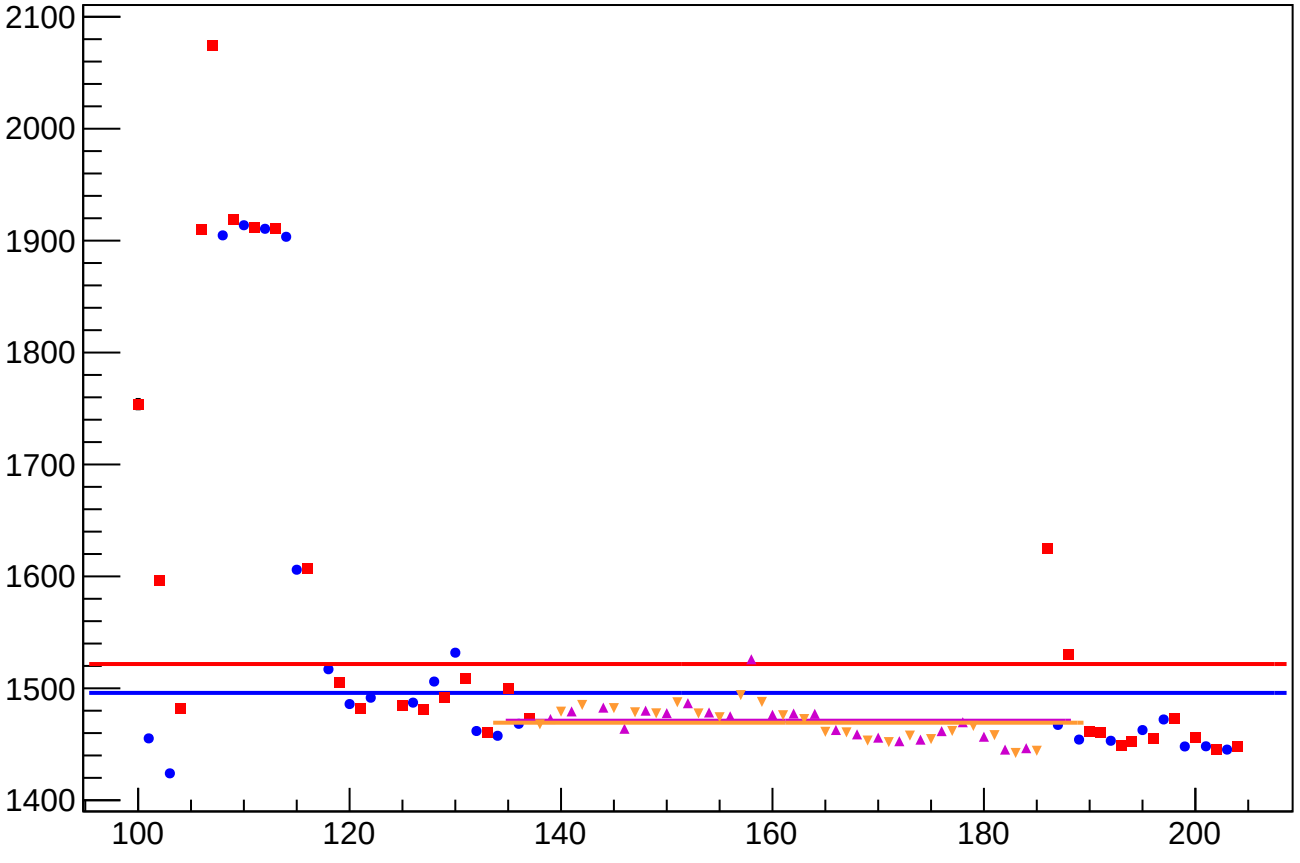
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1540.303+/-262.761 χ^2/NDF: 37.8/47

All: -198.045+/-184.058 χ^2/NDF: 174.2/99

- sign -1872.681+/-257.901 χ^2/NDF: 50.5/51

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1495.907+/-0.291 χ^2/NDF: 147939.0/23

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1521.700+/-0.276 χ^2/NDF: 228717.5/28

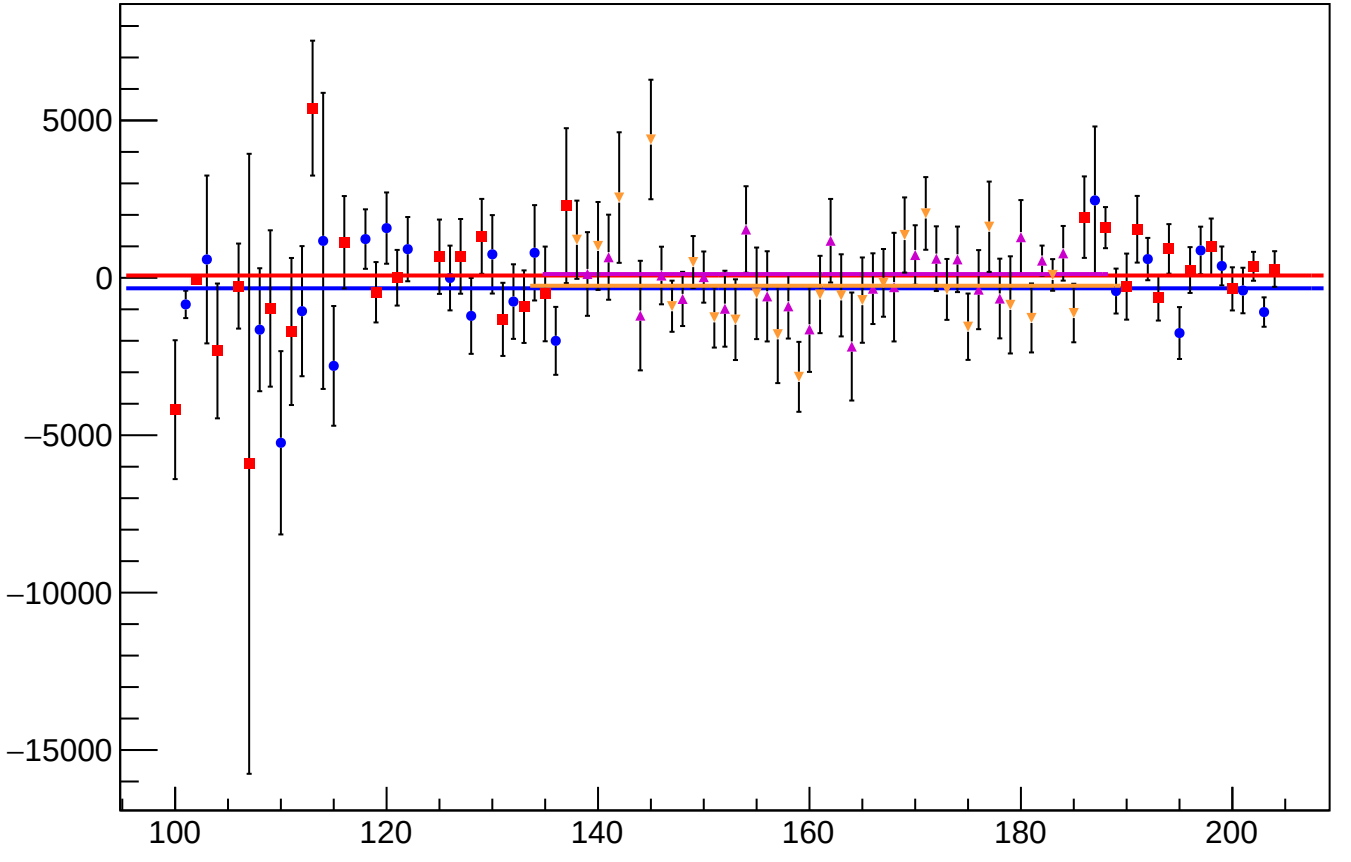
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1480.090+/-0.186 χ^2/NDF: 156053.5/47

All: 1486.741+/-0.130 χ^2/NDF: 410897.9/99

- sign 1493.148+/-0.182 χ^2/NDF: 252328.8/51

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -332.757+/-181.997 χ^2/NDF: 31.0/23

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 74.103+/-109.956 χ^2/NDF: 32.5/28

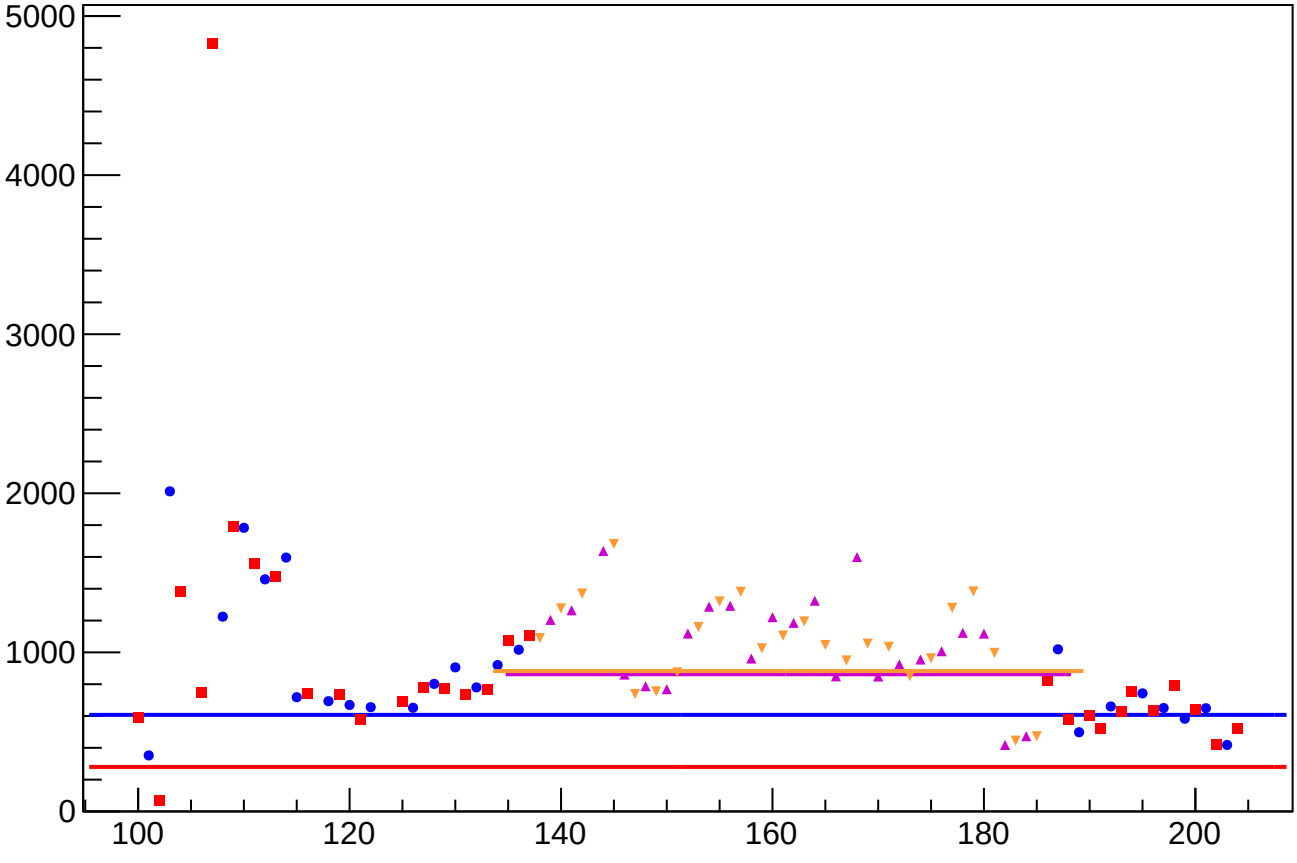
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -299.495+/-139.807 χ^2/NDF: 63.8/47

All: -42.657+/-80.241 χ^2/NDF: 114.2/99

- sign 83.510+/-97.987 χ^2/NDF: 45.4/51

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 607.148+/-0.129 χ^2/NDF: 3334540.4/23

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 279.955+/-0.078 χ^2/NDF: 15586430.2/28

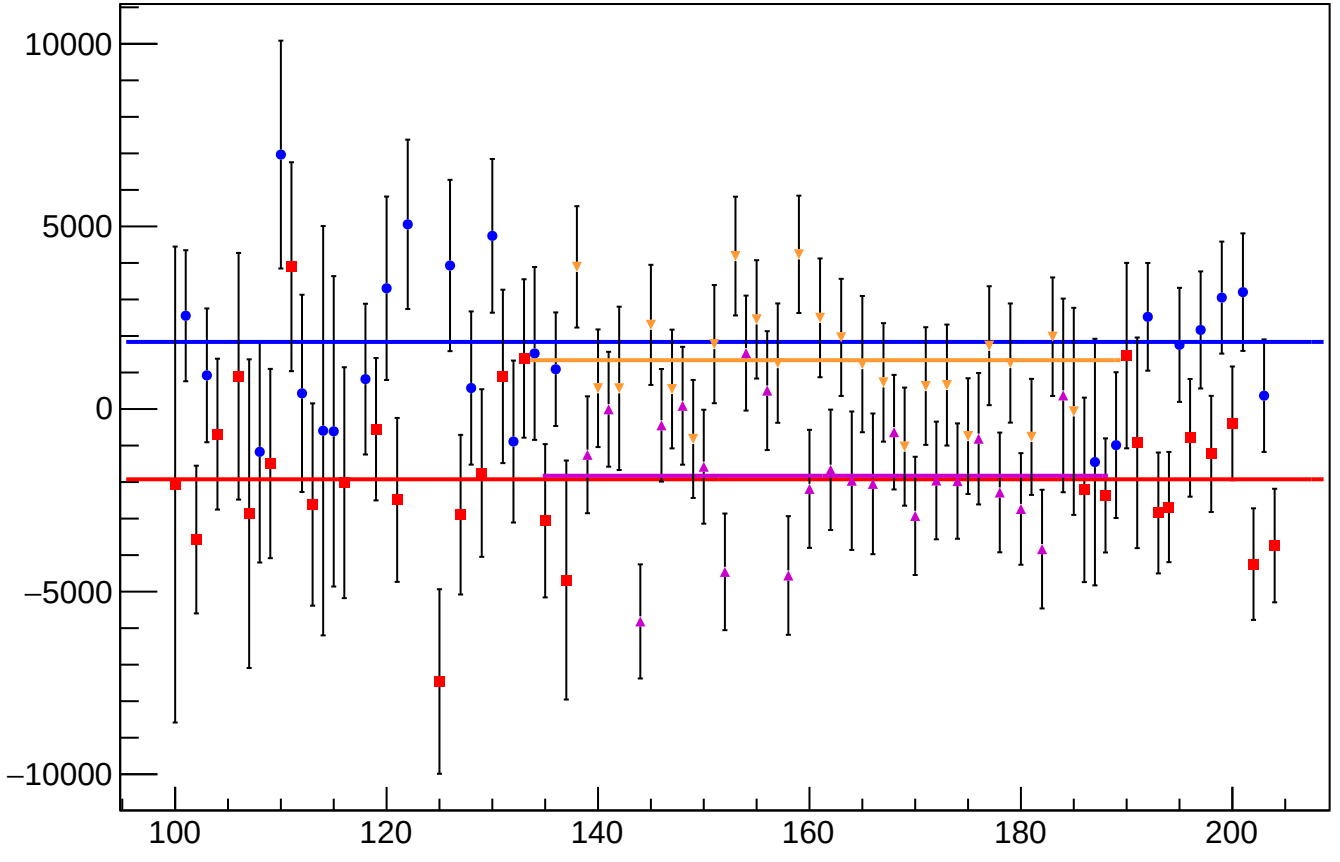
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 719.985+/-0.099 χ^2/NDF: 9111382.8/47

All: 505.290+/-0.057 χ^2/NDF: 47648047.3/99

- sign 399.826+/-0.069 χ^2/NDF: 31503331.6/51

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1837.507+/-412.237 χ^2/NDF: 17.7/23

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1923.967+/-390.525 χ^2/NDF: 24.2/28

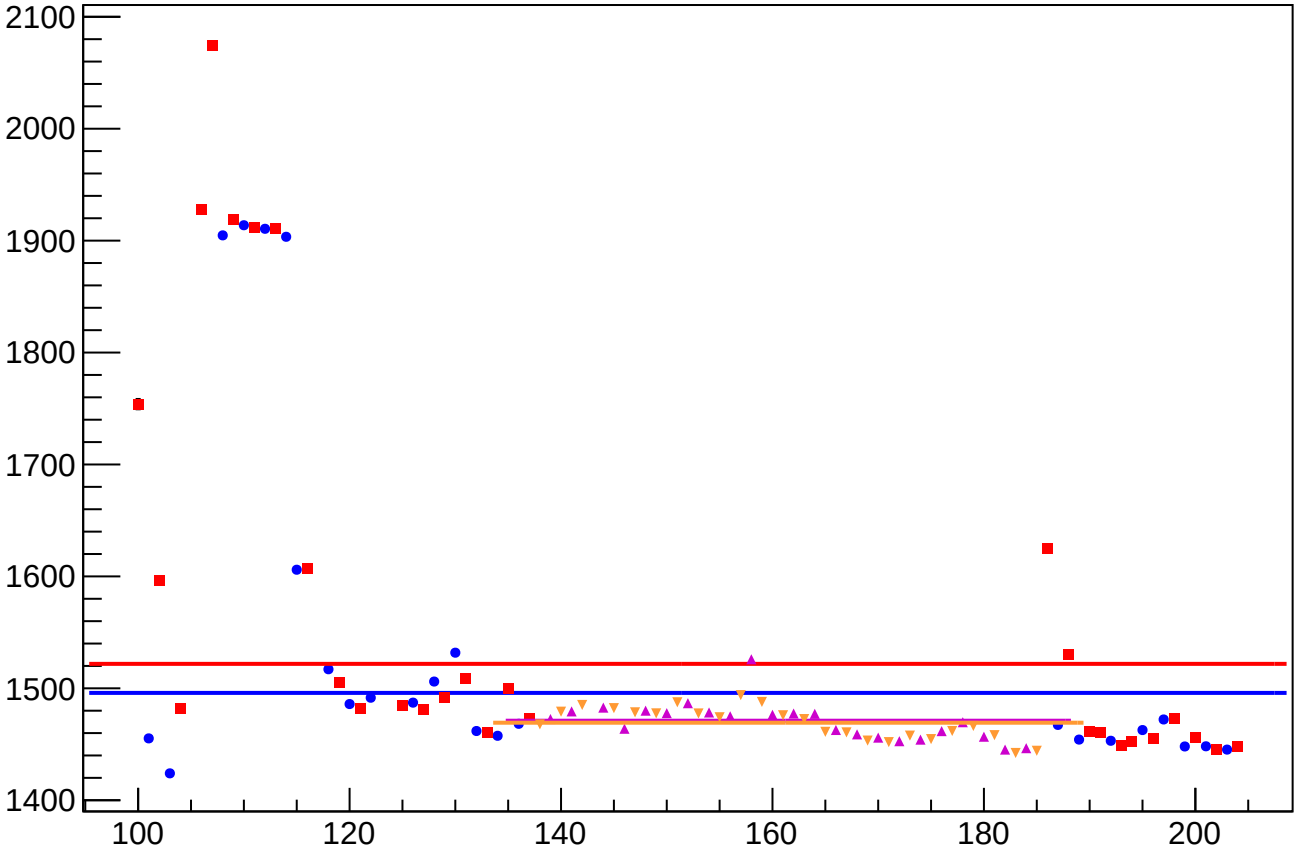
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1540.358+/-262.761 χ^2/NDF: 37.8/47

All: -196.090+/-184.063 χ^2/NDF: 174.2/99

- sign -1869.094+/-257.916 χ^2/NDF: 50.7/51

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1495.907+/-0.291 χ^2/NDF: 147939.0/23

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1521.851+/-0.276 χ^2/NDF: 230772.6/28

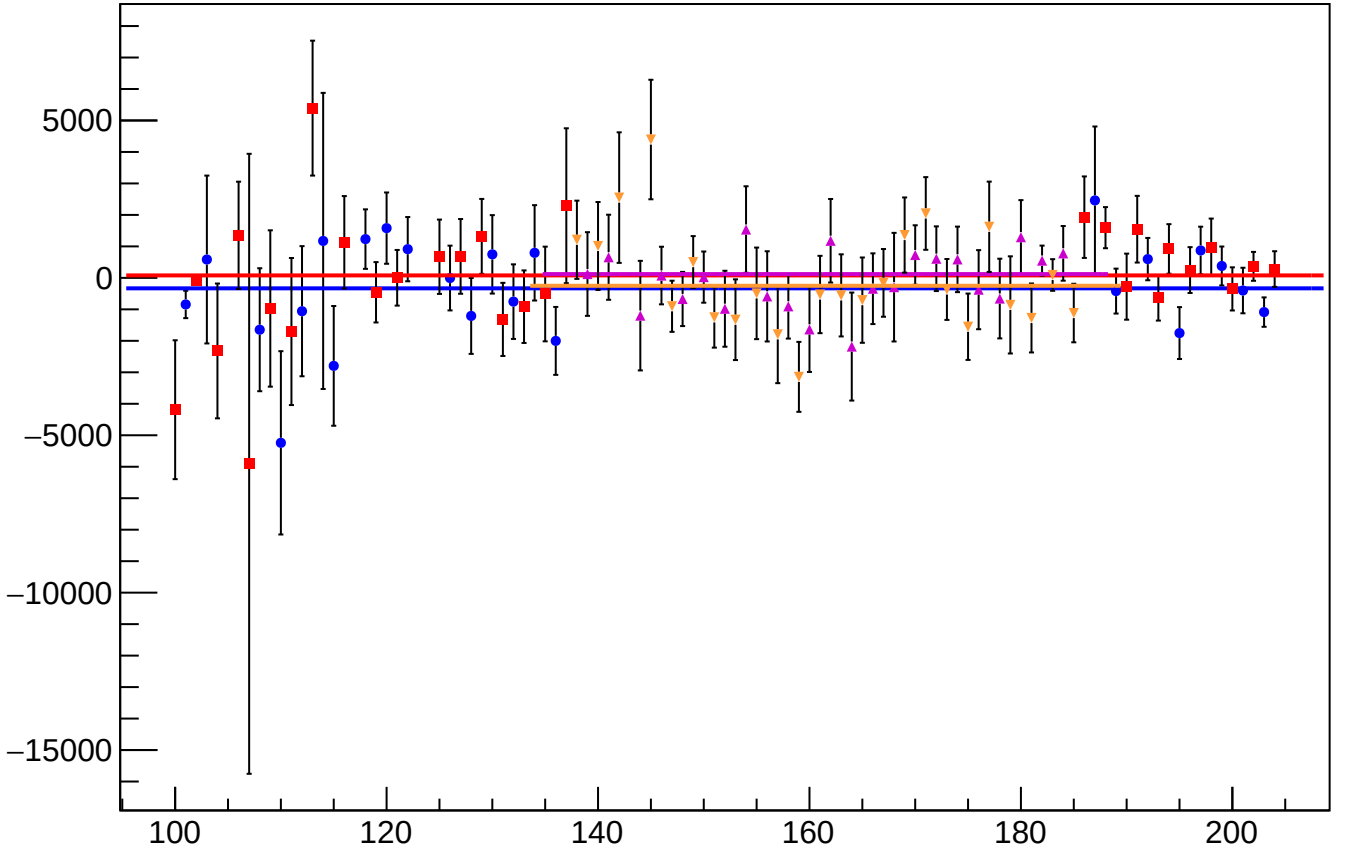
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1480.090+/-0.186 χ^2/NDF: 156053.4/47

All: 1486.772+/-0.130 χ^2/NDF: 413087.3/99

- sign 1493.210+/-0.182 χ^2/NDF: 254494.3/51

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -332.641+/-181.995 χ^2/NDF: 31.0/23

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 78.419+/-116.409 χ^2/NDF: 33.3/28

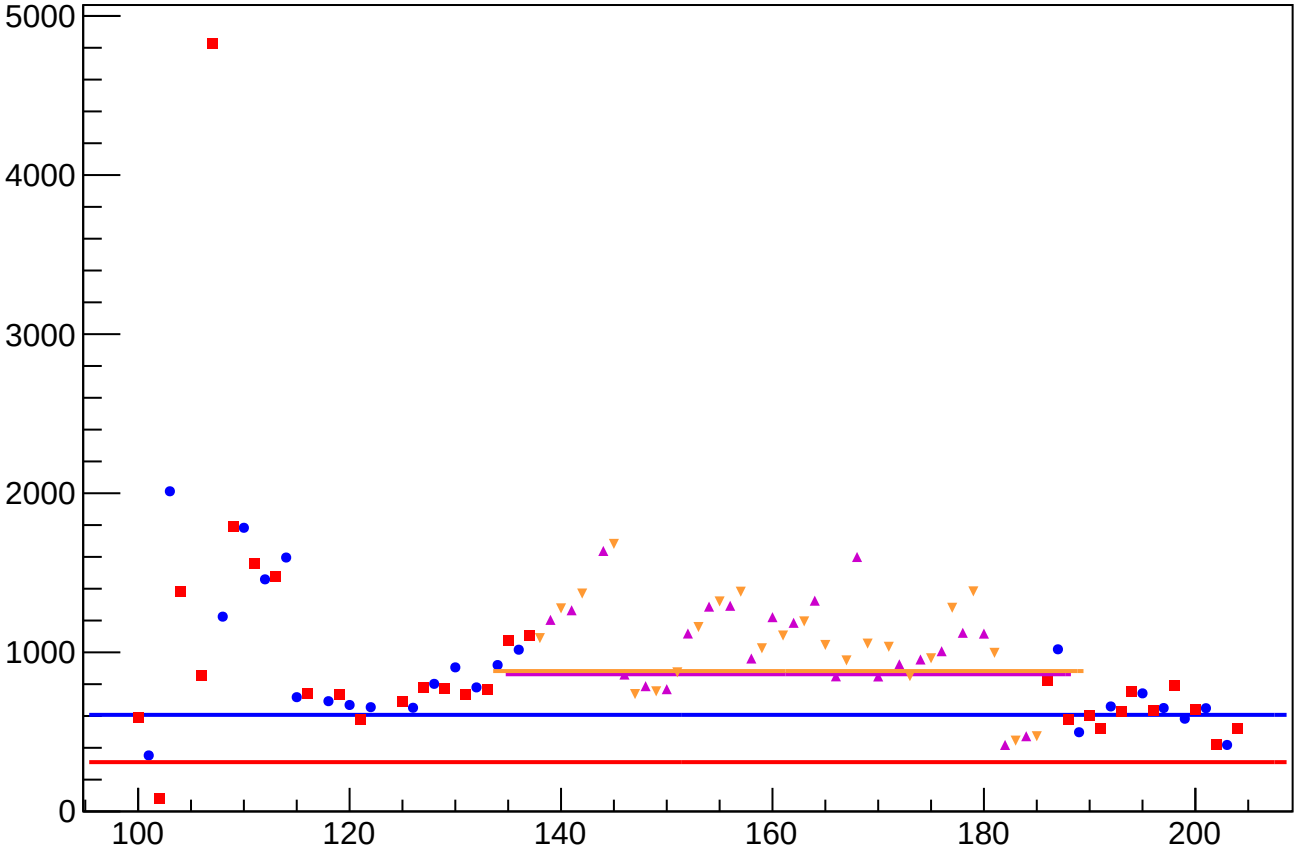
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -299.418+/-139.805 χ^2/NDF: 63.8/47

All: -47.561+/-82.649 χ^2/NDF: 114.9/99

- sign 87.744+/-102.472 χ^2/NDF: 46.2/51

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 607.134+/-0.129 χ^2/NDF: 3334836.6/23

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 310.008+/-0.082 χ^2/NDF: 14304287.6/28

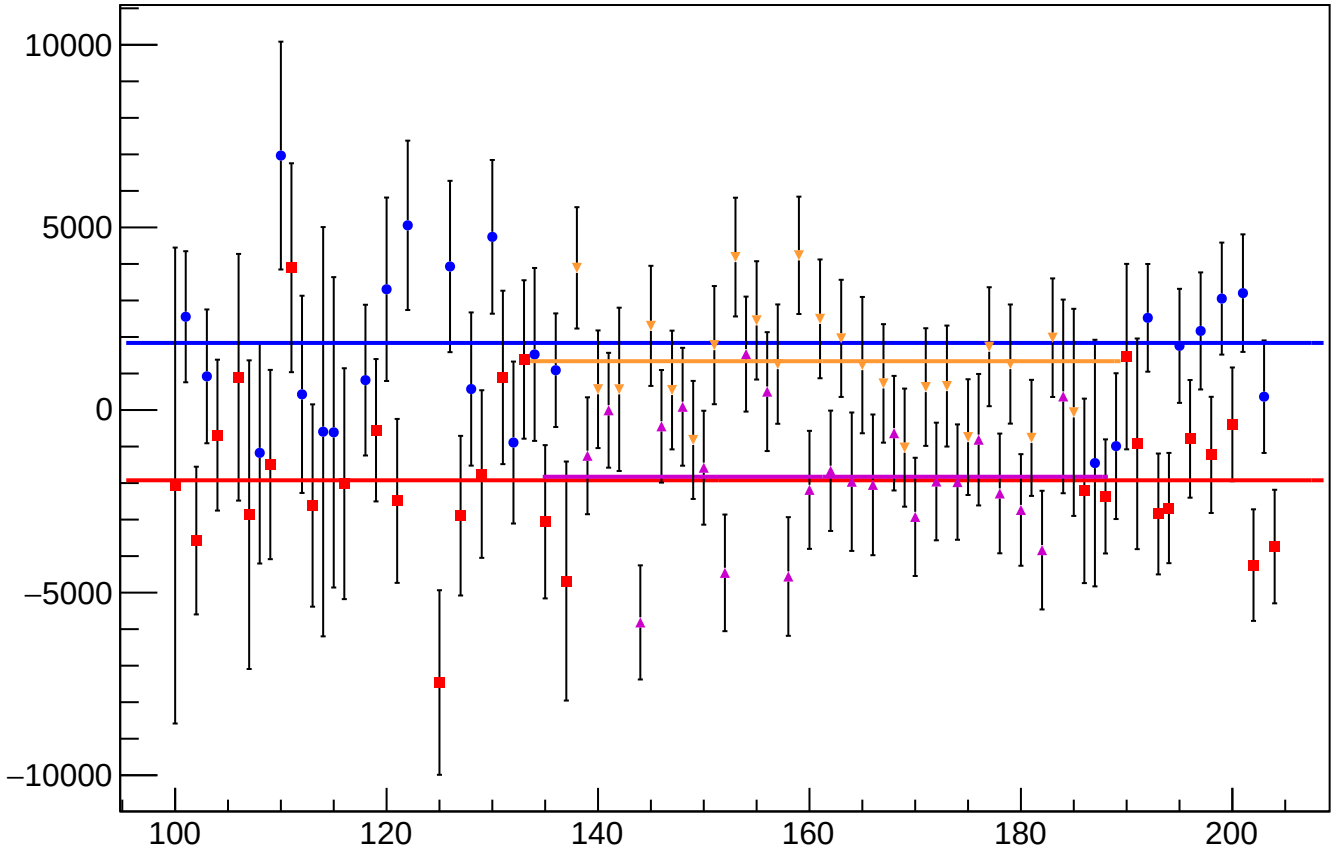
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 719.971+/-0.099 χ^2/NDF: 9112100.3/47

All: 534.160+/-0.058 χ^2/NDF: 43351001.5/99

- sign 434.336+/-0.072 χ^2/NDF: 28808078.2/51

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1837.507+/-412.237 χ^2/NDF: 17.7/23

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1923.967+/-390.525 χ^2/NDF: 24.2/28

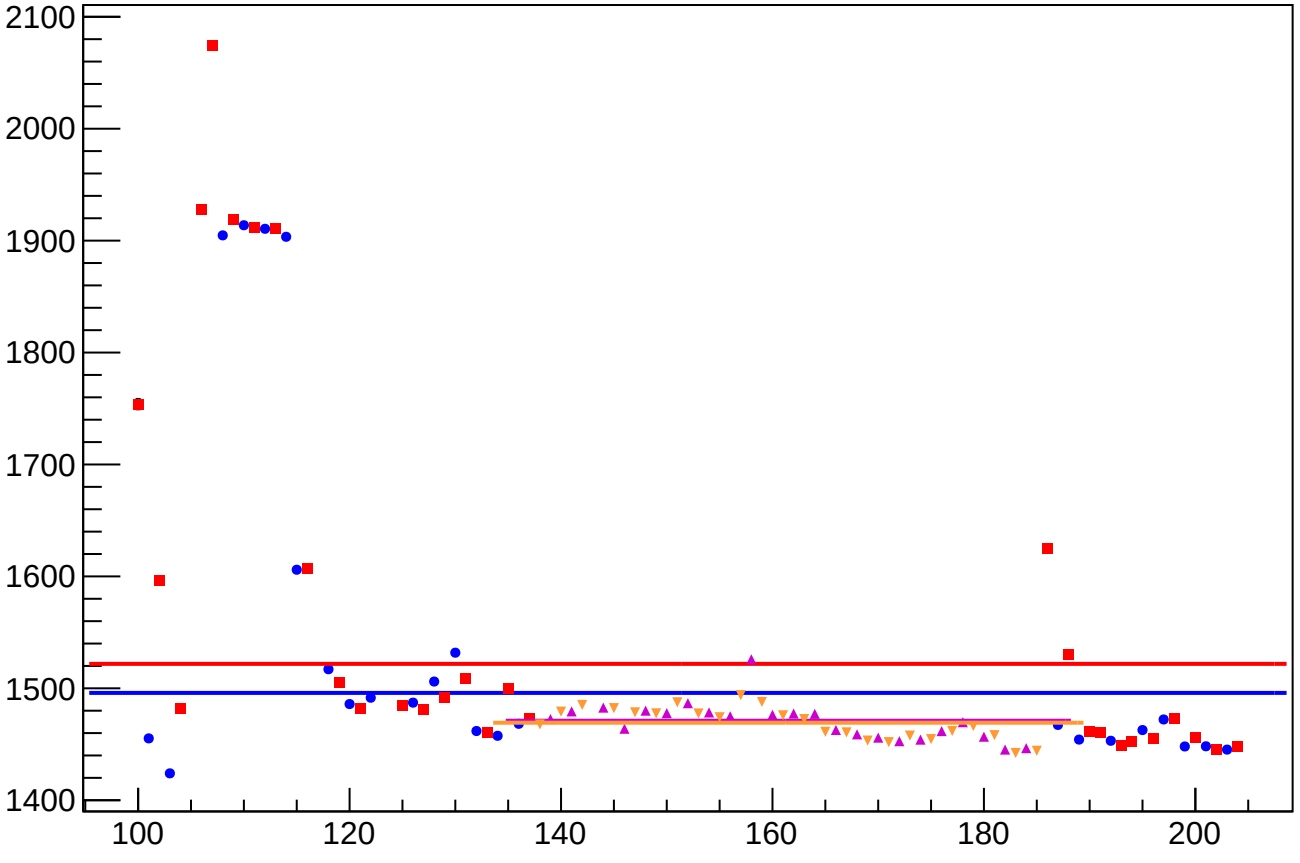
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1540.358+/-262.761 χ^2/NDF: 37.8/47

All: -196.090+/-184.063 χ^2/NDF: 174.2/99

- sign -1869.094+/-257.916 χ^2/NDF: 50.7/51

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1495.907+/-0.291 χ^2/NDF: 147939.0/23

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

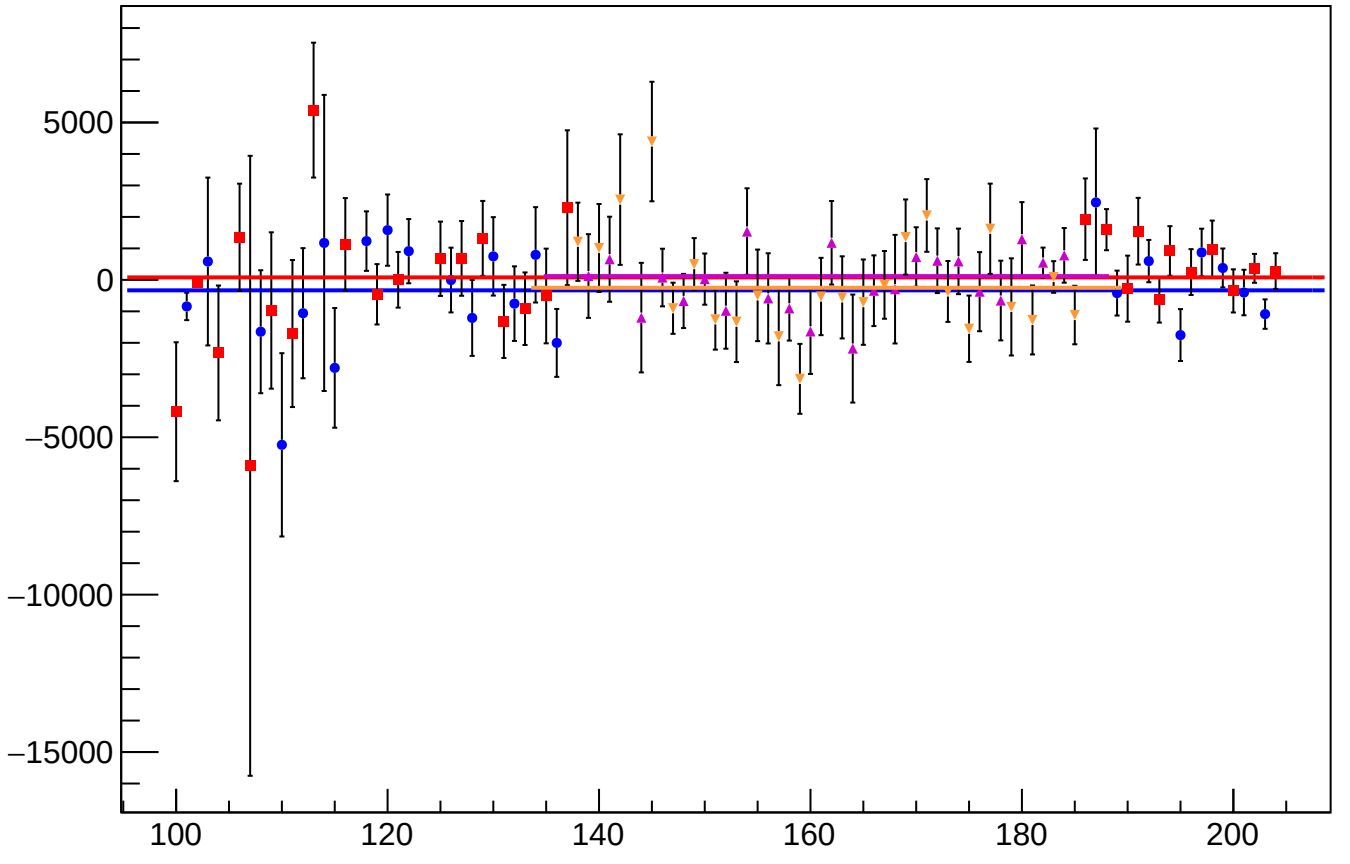
Right Out: 1521.851+/-0.276 χ^2/NDF: 230772.6/28

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1480.090+/-0.186 χ^2/NDF: 156053.4/47

All: 1486.772+/-0.130 χ^2/NDF: 413087.3/99

- sign 1493.210+/-0.182 χ^2/NDF: 254494.3/51



Right In: -332.641+/-181.995 χ^2/NDF: 31.0/23

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

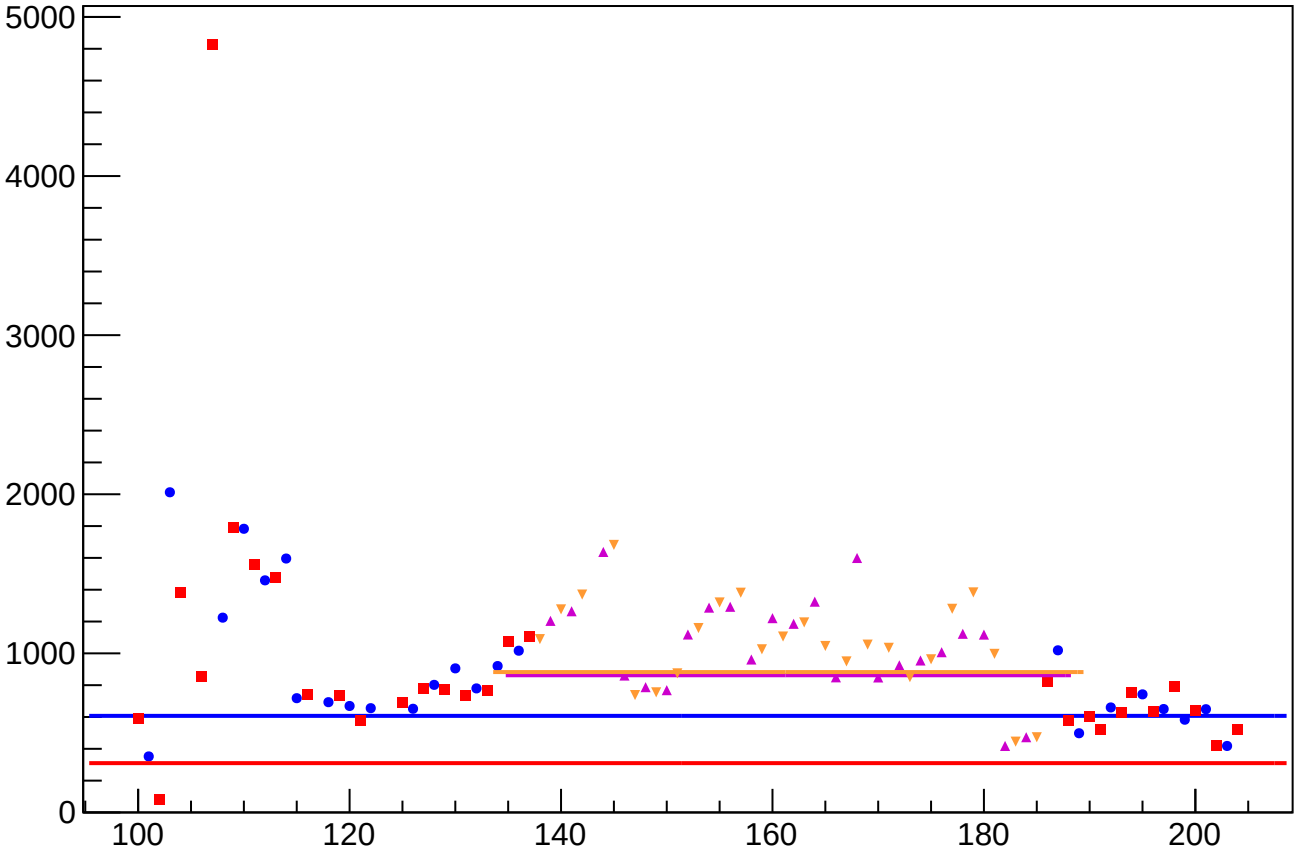
Right Out: 78.419+/-116.409 χ^2/NDF: 33.3/28

Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

\+ sign -299.418+/-139.805 χ^2/NDF: 63.8/47

All: -47.561+/-82.649 χ^2/NDF: 114.9/99

\- sign 87.744+/-102.472 χ^2/NDF: 46.2/51



Right In: 607.134+/-0.129 χ^2/NDF: 3334836.6/23

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 310.008+/-0.082 χ^2/NDF: 14304287.6/28

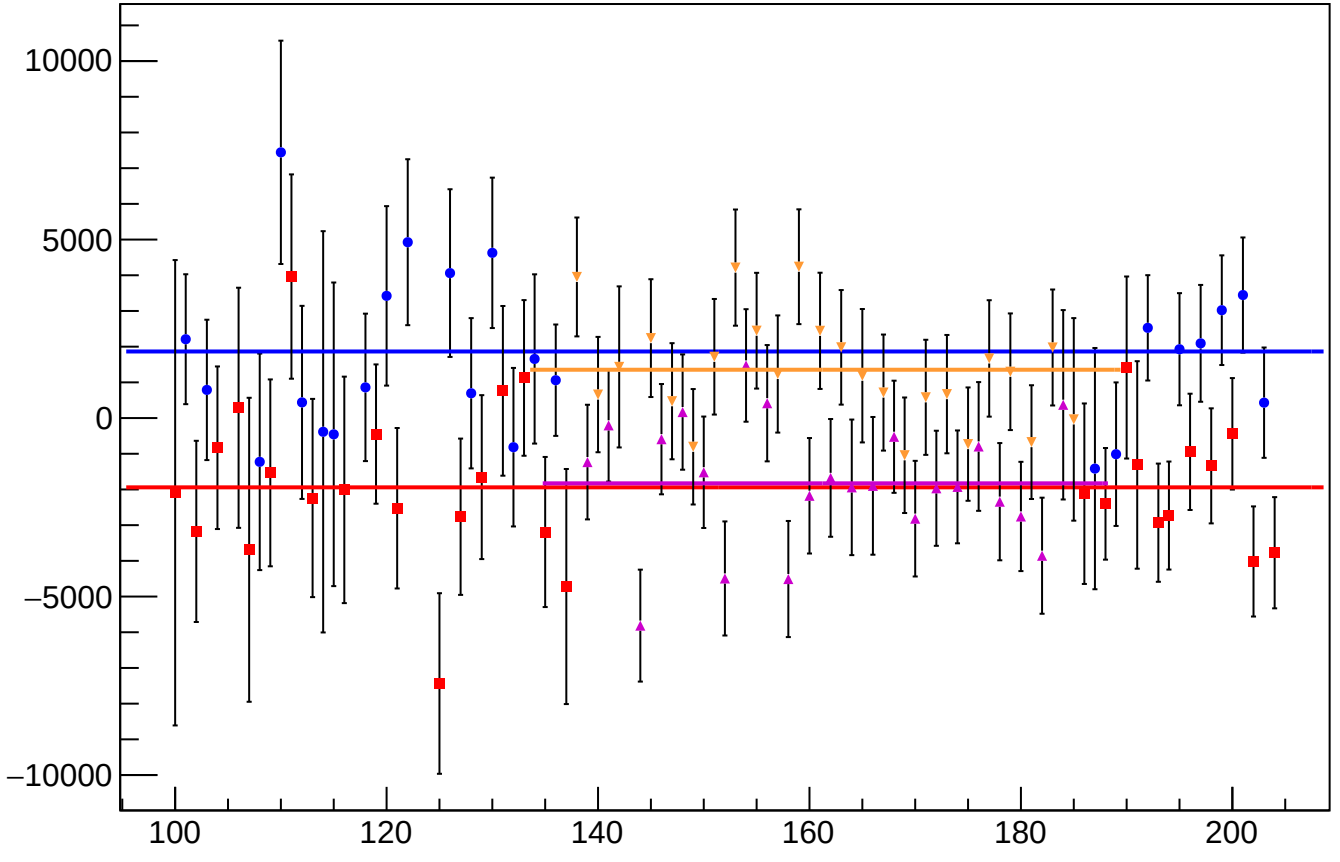
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 719.971+/-0.099 χ^2/NDF: 9112100.3/47

All: 534.160+/-0.058 χ^2/NDF: 43351001.5/99

- sign 434.336+/-0.072 χ^2/NDF: 28808078.2/51

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1865.194+/-415.322 χ^2/NDF: 17.9/23

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1940.869+/-395.973 χ^2/NDF: 22.4/28

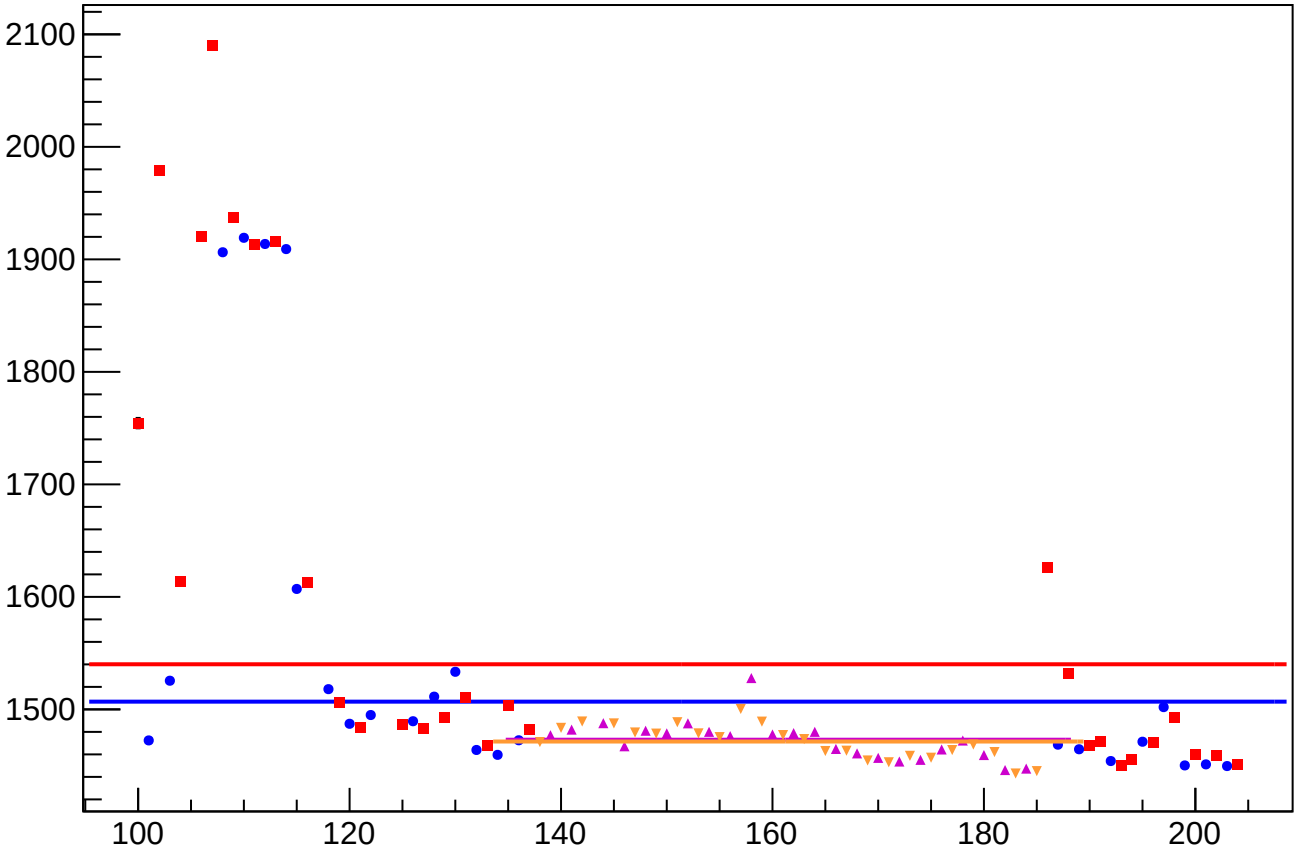
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1560.067+/-263.811 χ^2/NDF: 37.7/47

All: -185.499+/-185.061 χ^2/NDF: 172.2/99

- sign -1876.680+/-259.669 χ^2/NDF: 48.2/51

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1506.880+/-0.294 χ^2/NDF: 142734.0/23

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1540.109+/-0.280 χ^2/NDF: 289487.9/28

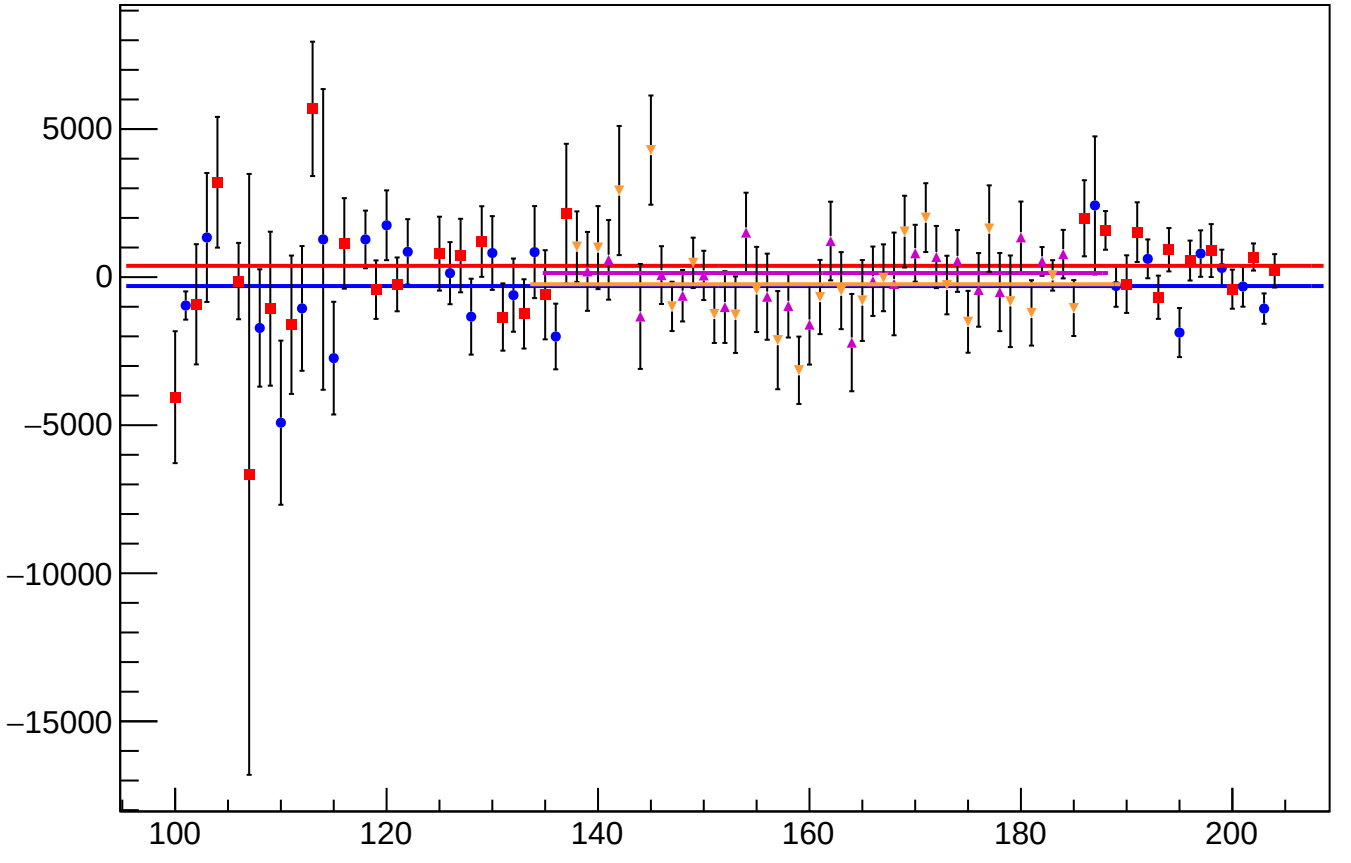
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1485.737+/-0.187 χ^2/NDF: 154859.7/47

All: 1493.940+/-0.131 χ^2/NDF: 485599.7/99

- sign 1501.887+/-0.184 χ^2/NDF: 326933.1/51

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -301.424+/-187.745 χ^2/NDF: 31.0/23

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 381.559+/-179.697 χ^2/NDF: 32.0/28

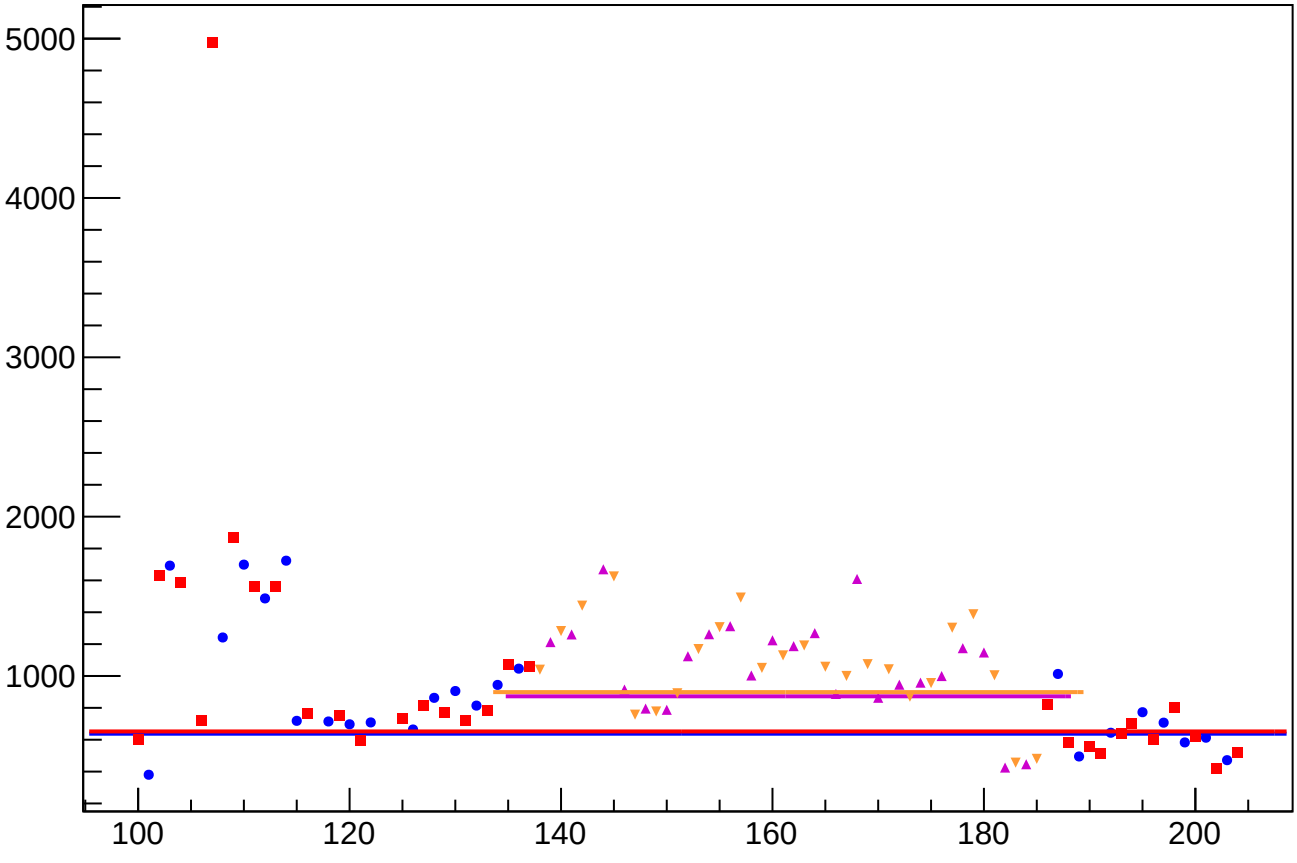
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

\+ sign -275.895+/-143.297 χ^2/NDF: 63.5/47

All: 12.723+/-99.692 χ^2/NDF: 117.1/99

\- sign 283.448+/-138.784 χ^2/NDF: 45.7/51

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 637.814+/-0.133 χ^2/NDF: 2953968.4/23

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 651.981+/-0.127 χ^2/NDF: 3447655.7/28

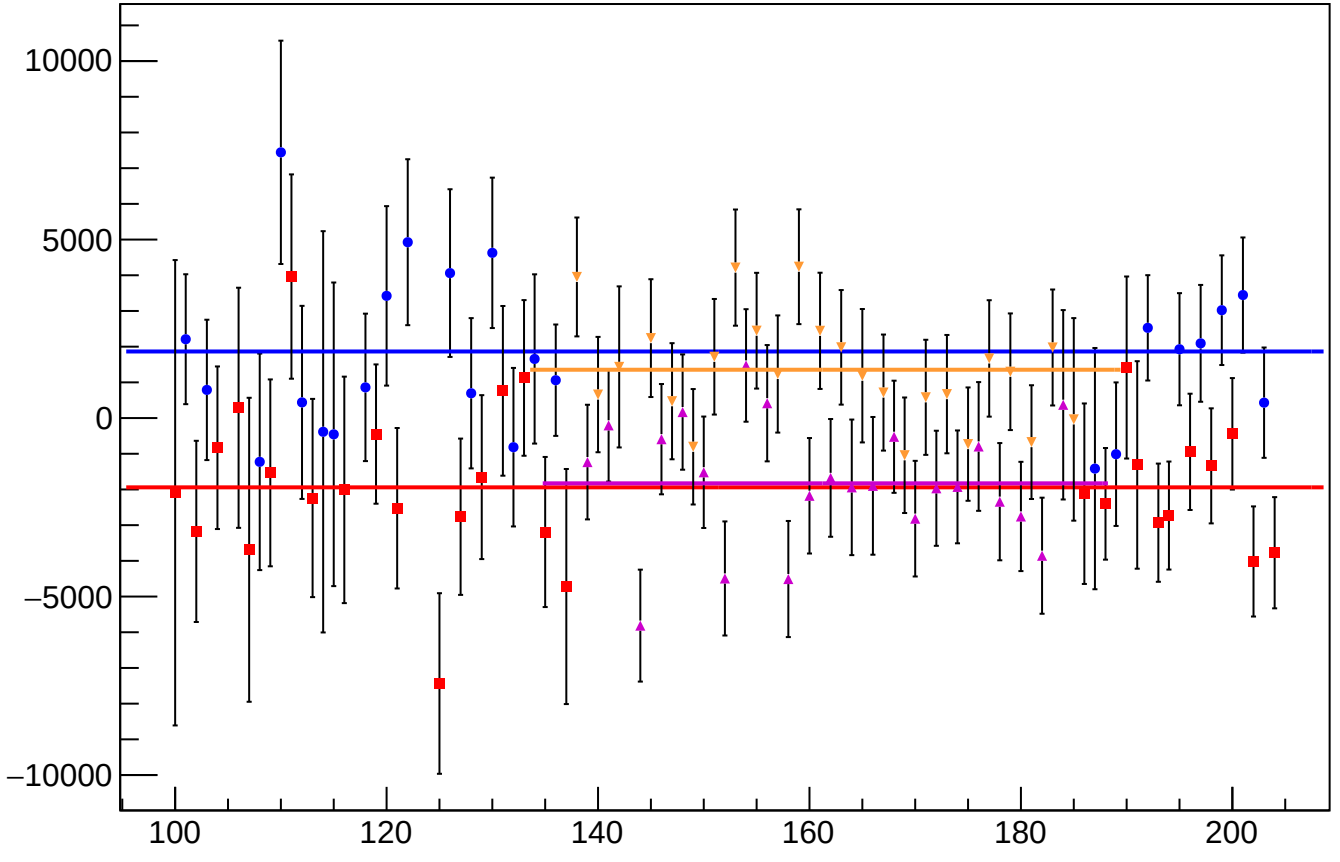
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 746.782+/-0.101 χ^2/NDF: 8359449.9/47

All: 743.774+/-0.070 χ^2/NDF: 17459381.1/99

- sign 740.953+/-0.098 χ^2/NDF: 9098224.0/51

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1865.193+/-415.322 χ^2/NDF: 17.9/23

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1940.867+/-395.973 χ^2/NDF: 22.4/28

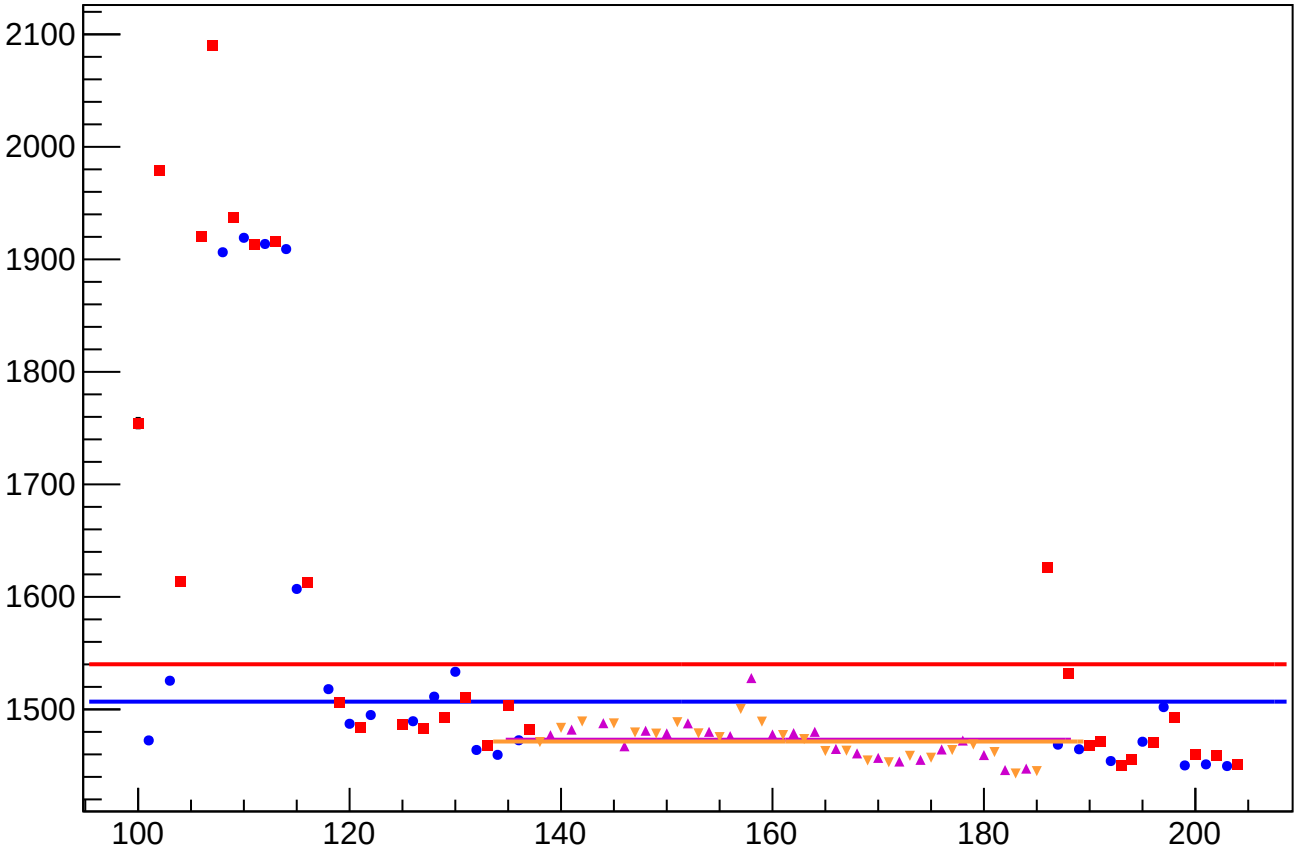
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1560.066+/-263.811 χ^2/NDF: 37.7/47

All: -185.500+/-185.061 χ^2/NDF: 172.2/99

- sign -1876.680+/-259.669 χ^2/NDF: 48.2/51

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1506.880+/-0.294 χ^2/NDF: 142733.9/23

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

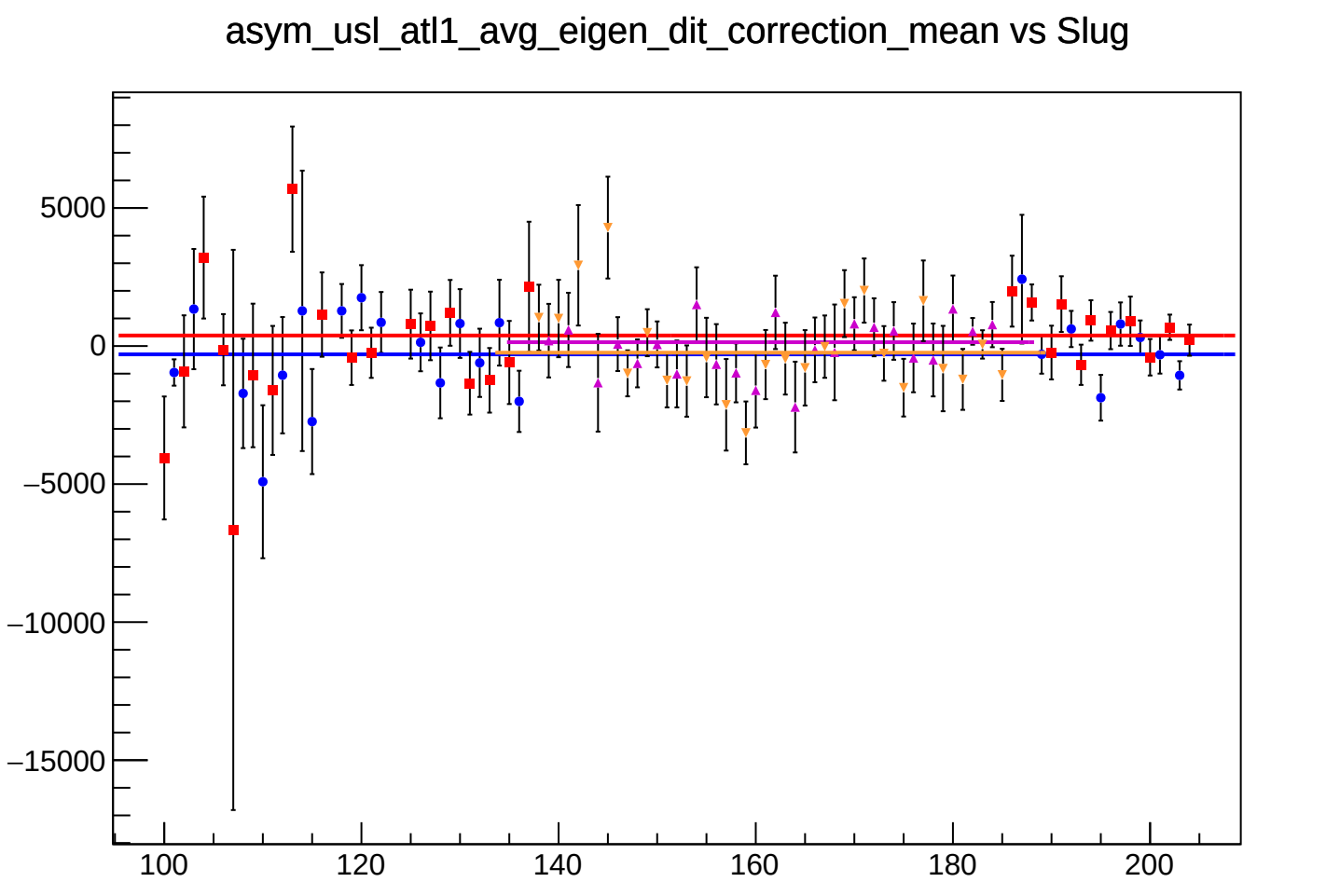
Right Out: 1540.108+/-0.280 χ^2/NDF: 289487.5/28

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1485.737+/-0.187 χ^2/NDF: 154859.6/47

All: 1493.940+/-0.131 χ^2/NDF: 485599.0/99

- sign 1501.887+/-0.184 χ^2/NDF: 326932.6/51



Right In: -301.424+/-187.745 χ^2/NDF: 31.0/23

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

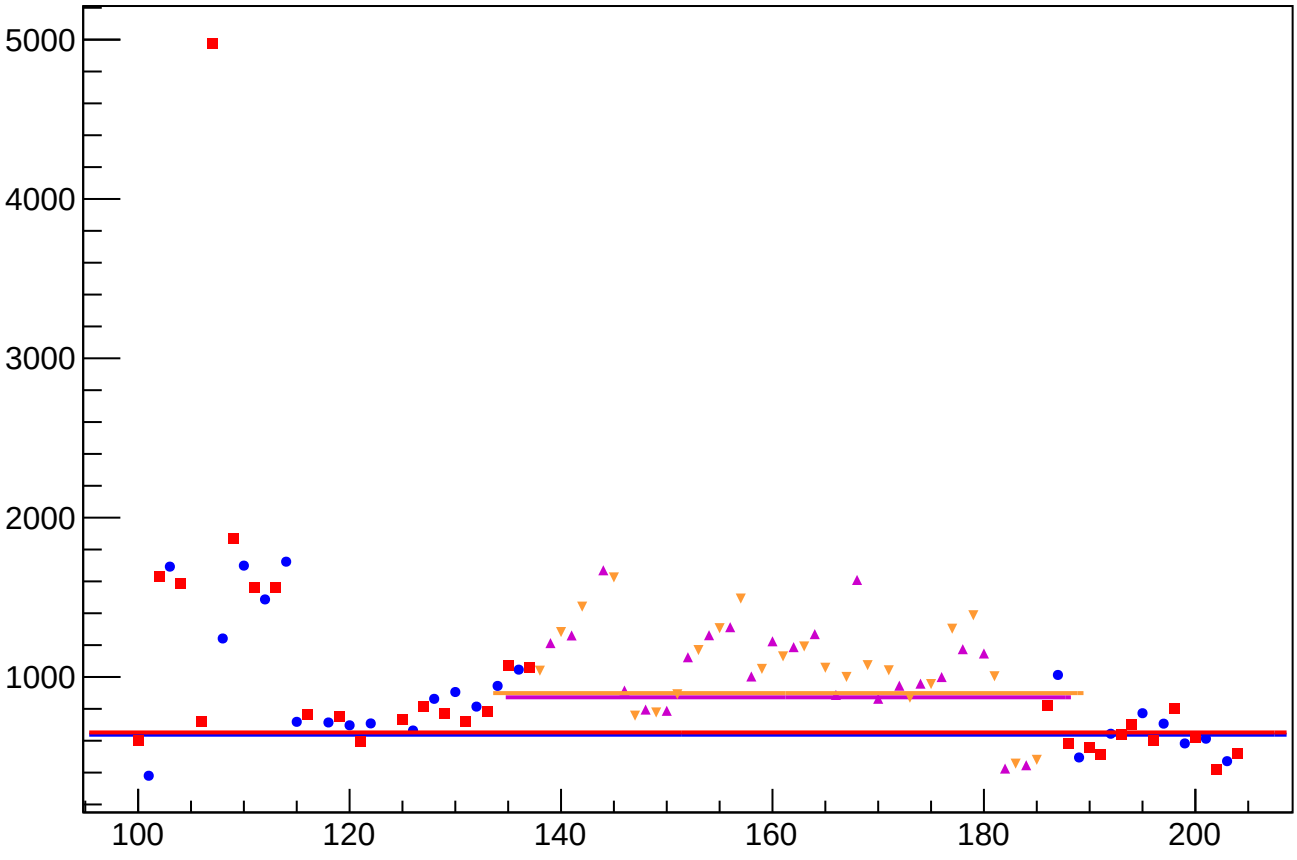
Right Out: 381.558+/-179.697 χ^2/NDF: 32.0/28

Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -275.895+/-143.297 χ^2/NDF: 63.5/47

All: 12.723+/-99.693 χ^2/NDF: 117.1/99

- sign 283.448+/-138.784 χ^2/NDF: 45.7/51



Right In: 637.814+/-0.133 χ^2/NDF: 2953962.0/23

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 651.981+/-0.127 χ^2/NDF: 3447653.1/28

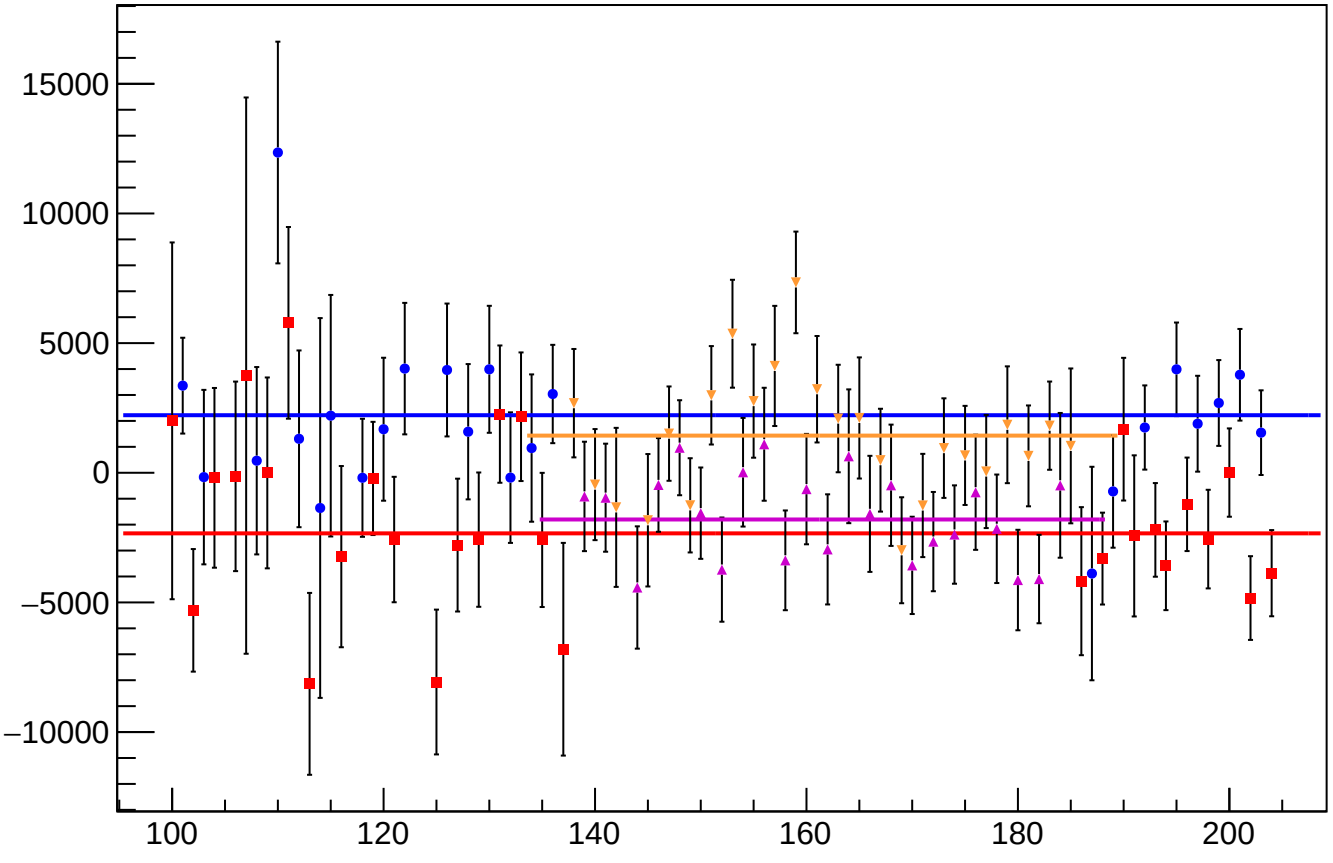
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 746.782+/-0.101 χ^2/NDF: 8359459.2/47

All: 743.775+/-0.070 χ^2/NDF: 17459403.6/99

- sign 740.954+/-0.098 χ^2/NDF: 9098237.2/51

asym_usl_atl1_avg_mean vs Slug



Right In: 2219.857+/-472.441 χ^2/NDF: 17.2/23

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -2336.628+/-447.122 χ^2/NDF: 32.7/28

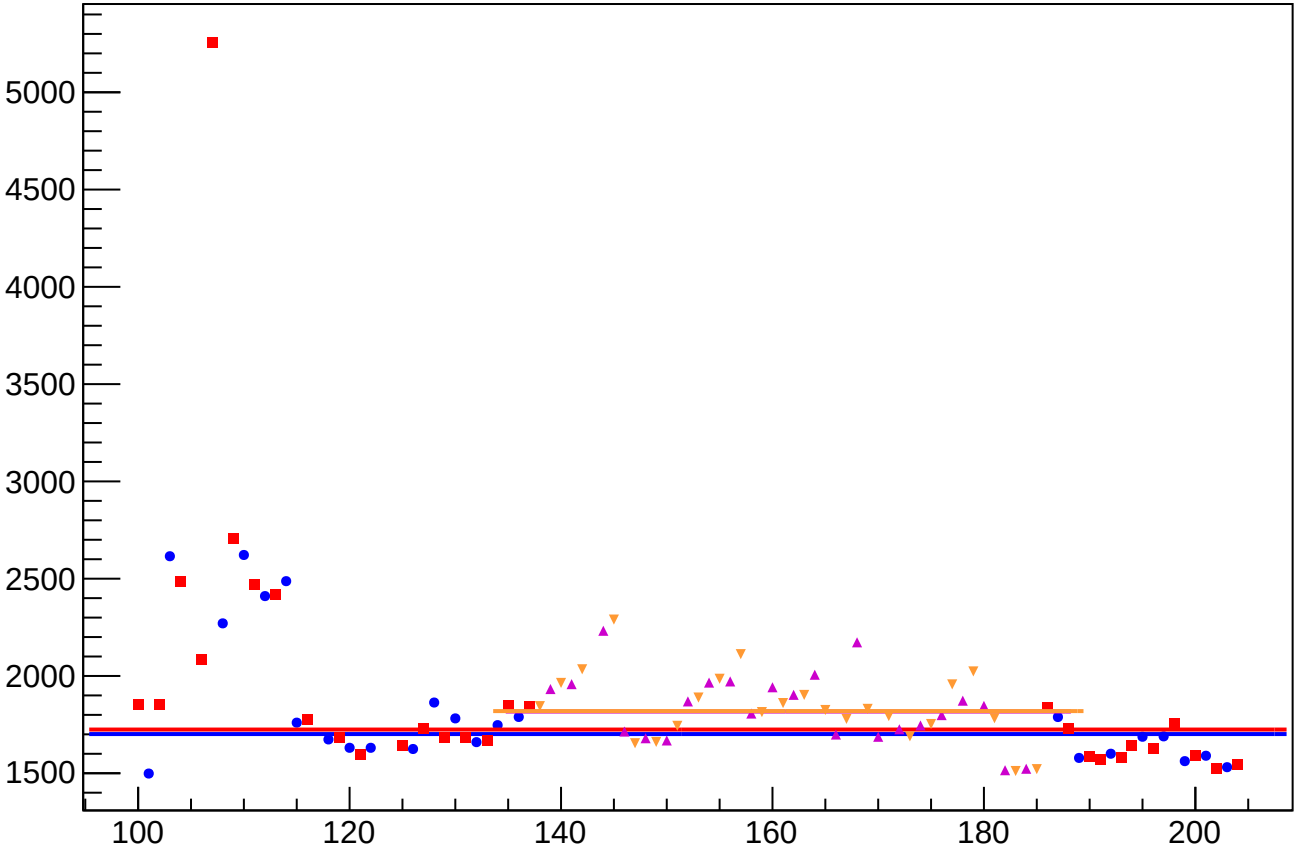
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1784.633+/-315.746 χ^2/NDF: 48.1/47

All: -179.817+/-220.699 χ^2/NDF: 172.6/99

- sign -2056.451+/-308.607 χ^2/NDF: 48.7/51

asym_usl_atl1_avg_rms vs Slug



Right In: 1701.384+/-0.334 χ^2/NDF: 503290.8/23

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

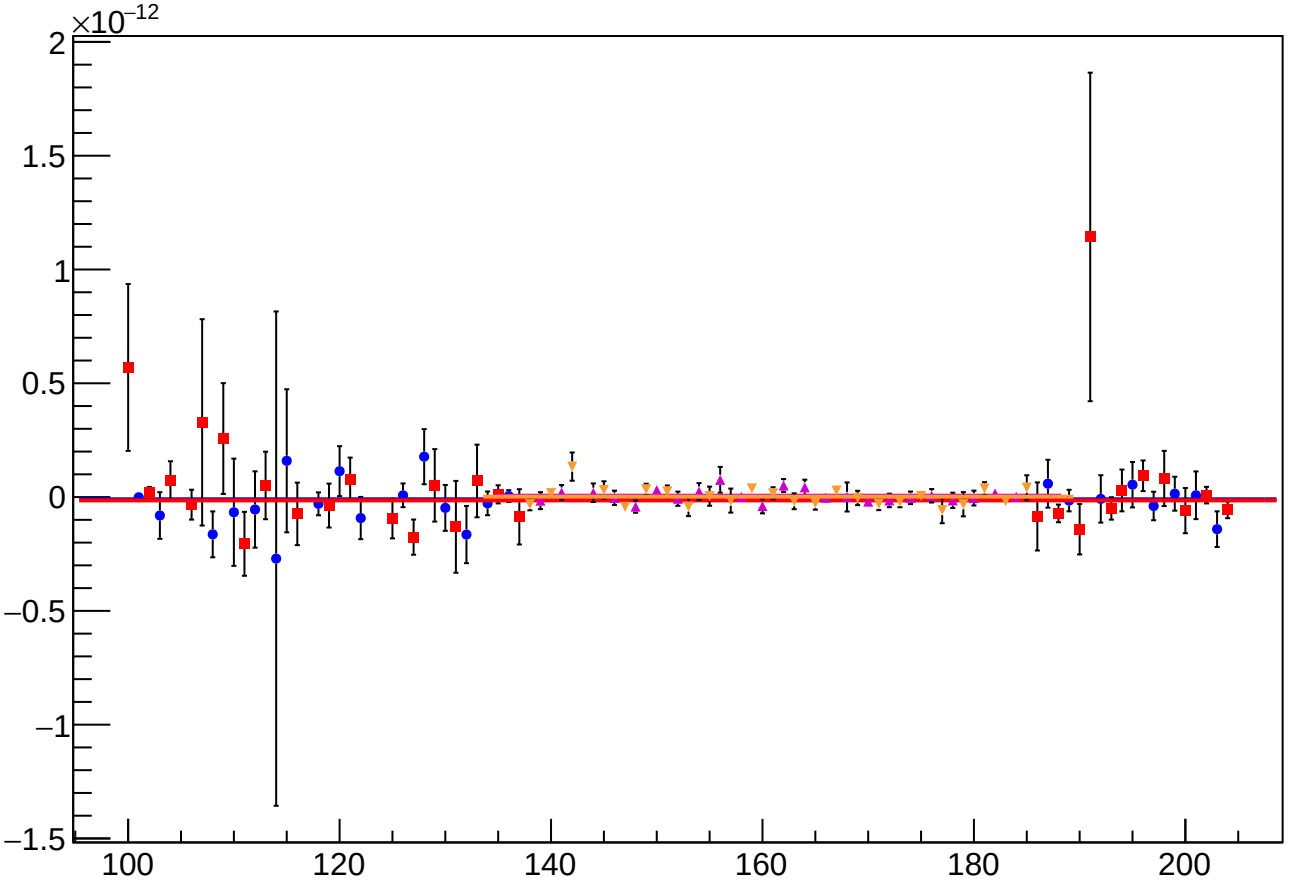
Right Out: 1724.611+/-0.316 χ^2/NDF: 760670.0/28

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1766.696+/-0.223 χ^2/NDF: 867382.8/47

All: 1769.952+/-0.156 χ^2/NDF: 1980421.1/99

- sign 1773.061+/-0.218 χ^2/NDF: 1112622.7/51



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

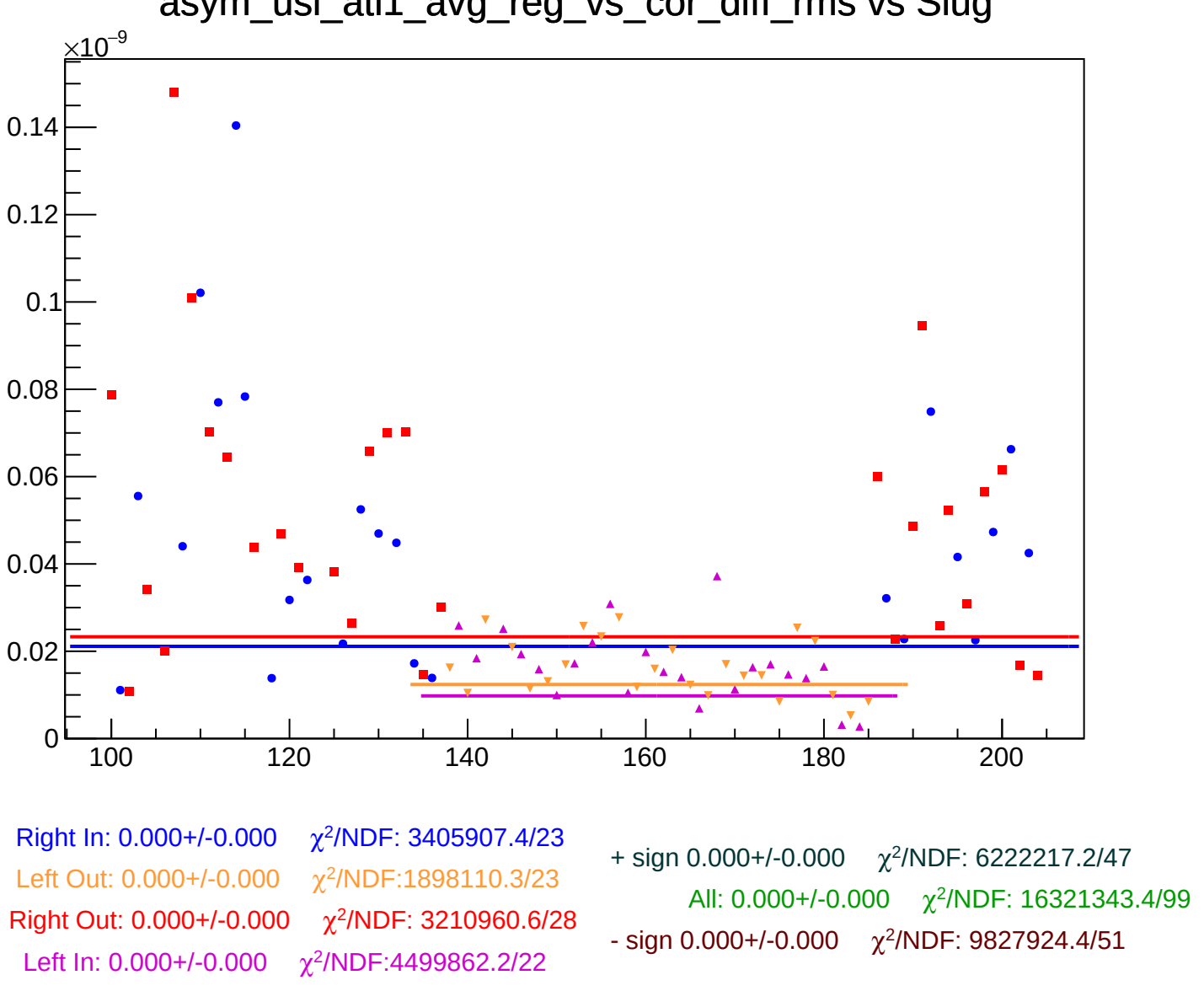
Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/28

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

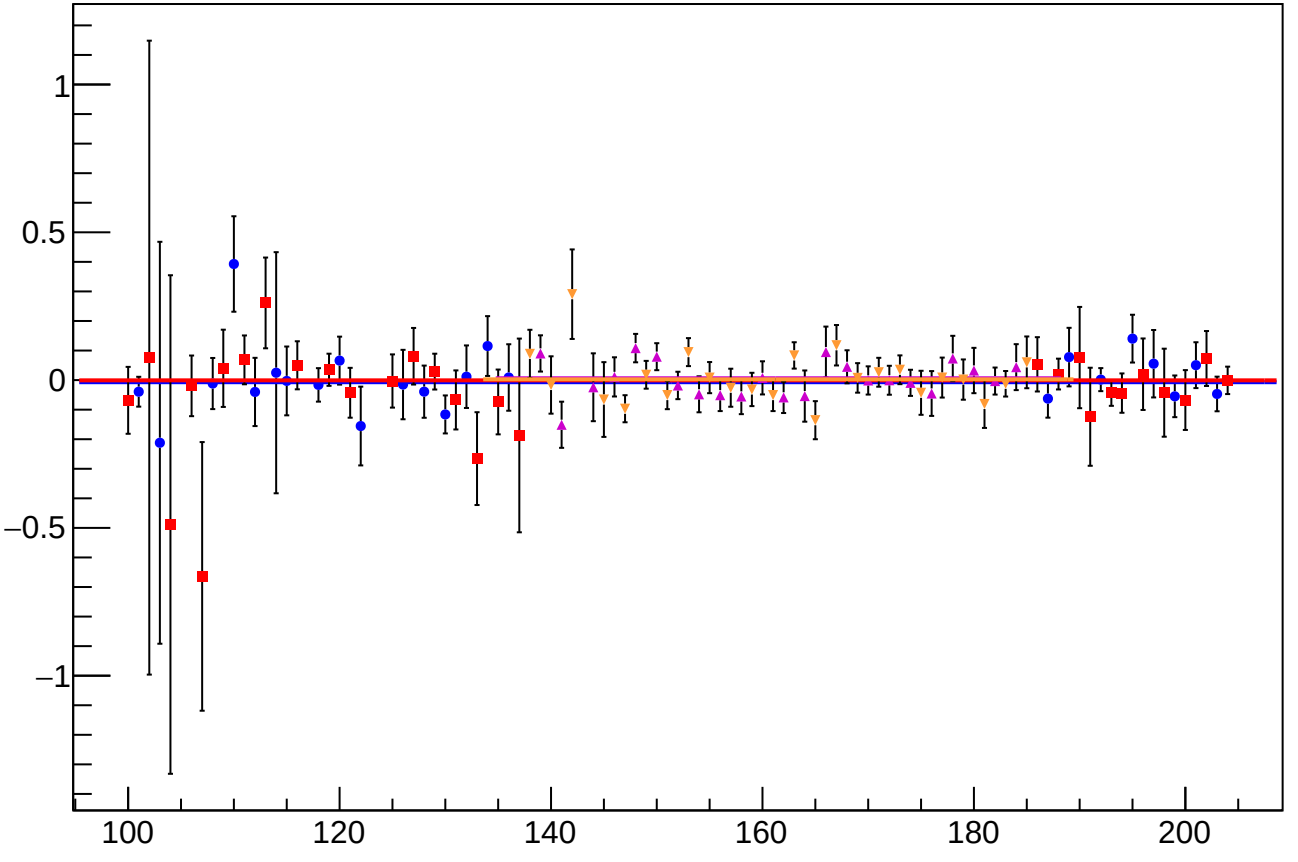
+ sign -0.000+/-0.000 χ^2/NDF: 44.4/47

All: 0.000+/-0.000 χ^2/NDF: 94.5/99

- sign 0.000+/-0.000 χ^2/NDF: 49.7/51


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3405907.4/23
Left Out: 0.000+/-0.000 χ²/NDF:1898110.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 3210960.6/28
Left In: 0.000+/-0.000 χ²/NDF:4499862.2/22
+ sign 0.000+/-0.000 χ²/NDF: 6222217.2/47
All: 0.000+/-0.000 χ²/NDF: 16321343.4/99
- sign 0.000+/-0.000 χ²/NDF: 9827924.4/51

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.016 χ^2/NDF: 20.0/23

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.016 χ^2/NDF: 16.5/28

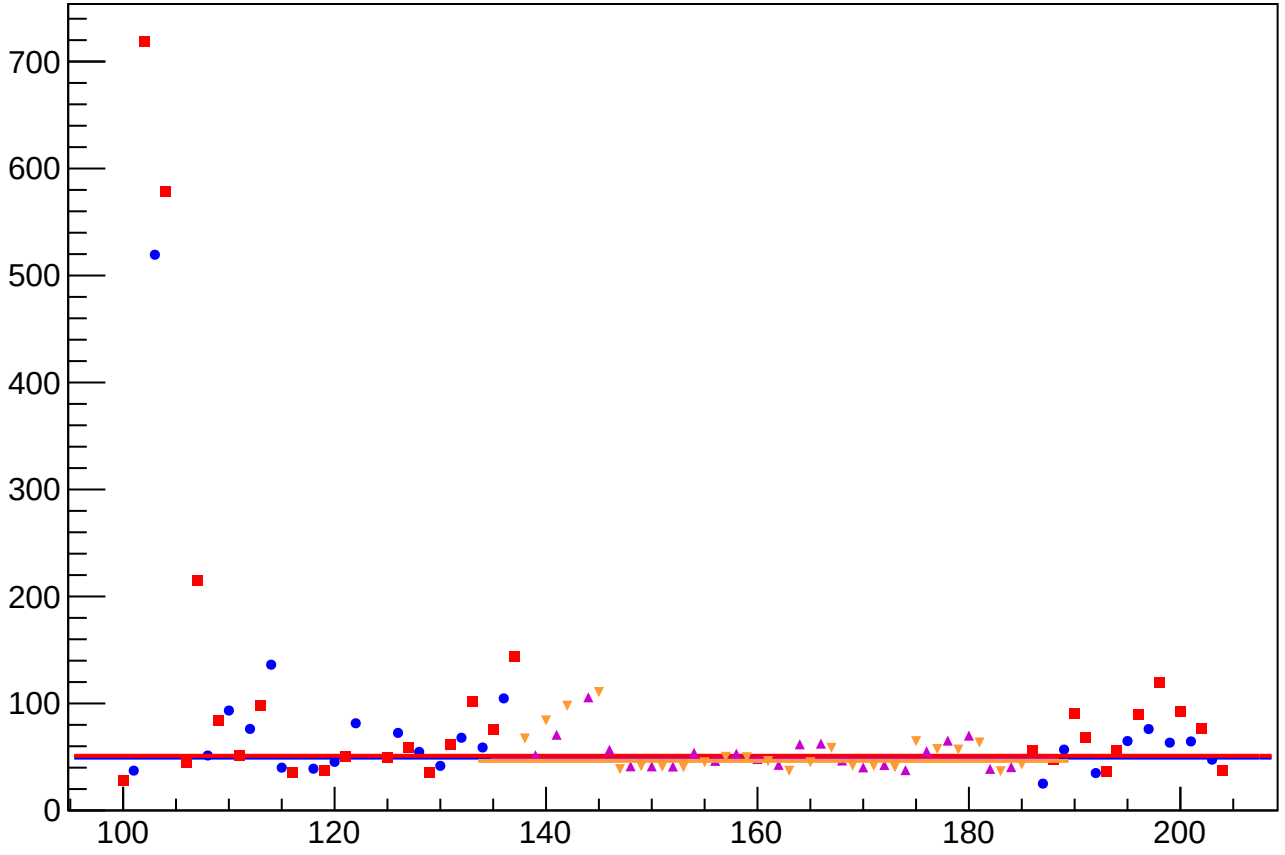
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.001+/-0.010 χ^2/NDF: 50.1/47

All: 0.001+/-0.007 χ^2/NDF: 88.4/99

- sign 0.004+/-0.010 χ^2/NDF: 38.2/51

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 49.403+/-0.011 χ^2/NDF: 3208393.6/23

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 51.080+/-0.011 χ^2/NDF: 4728622.8/28

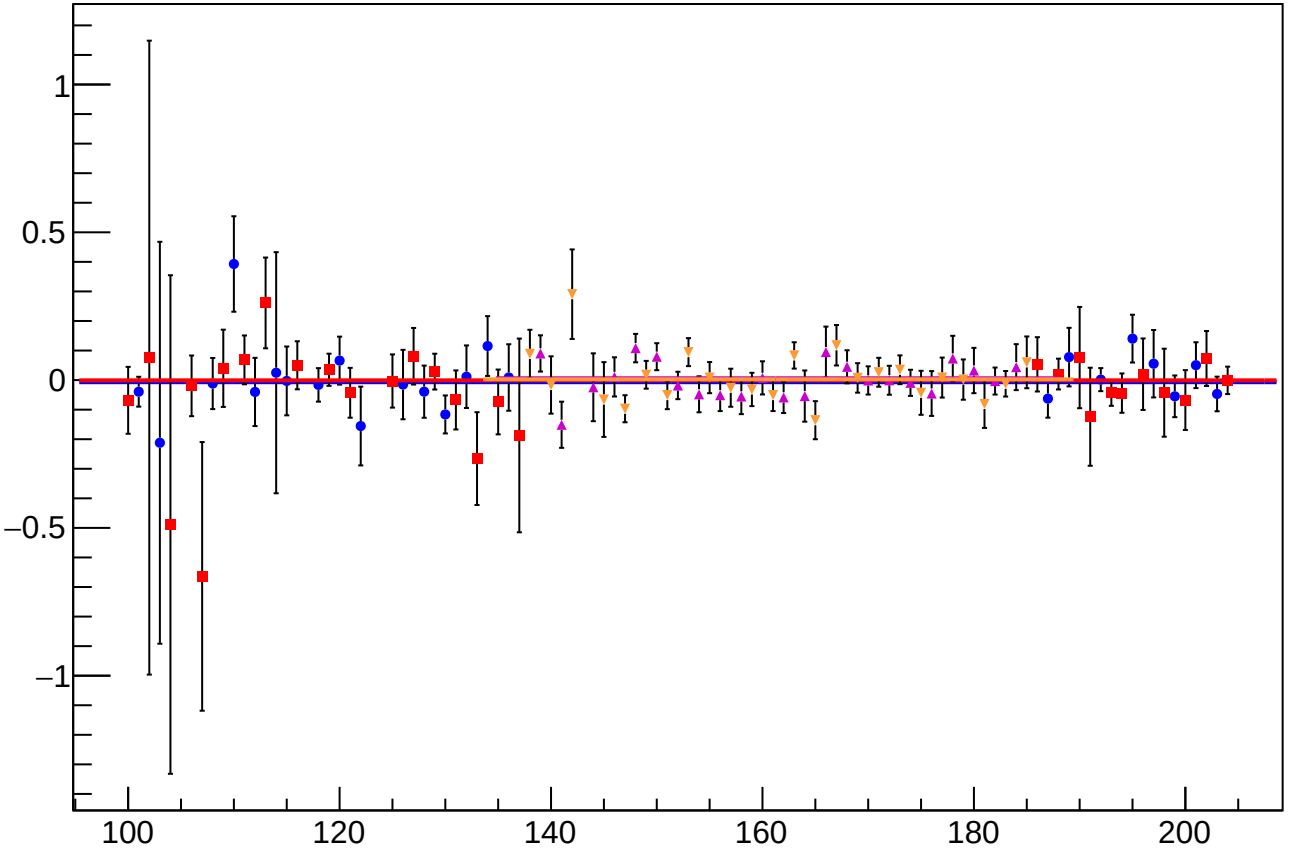
Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.427+/-0.007 χ^2/NDF: 5222438.5/47

All: 48.132+/-0.005 χ^2/NDF: 11609998.6/99

- sign 48.852+/-0.007 χ^2/NDF: 6365634.4/51

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.016 χ^2/NDF: 20.0/23

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

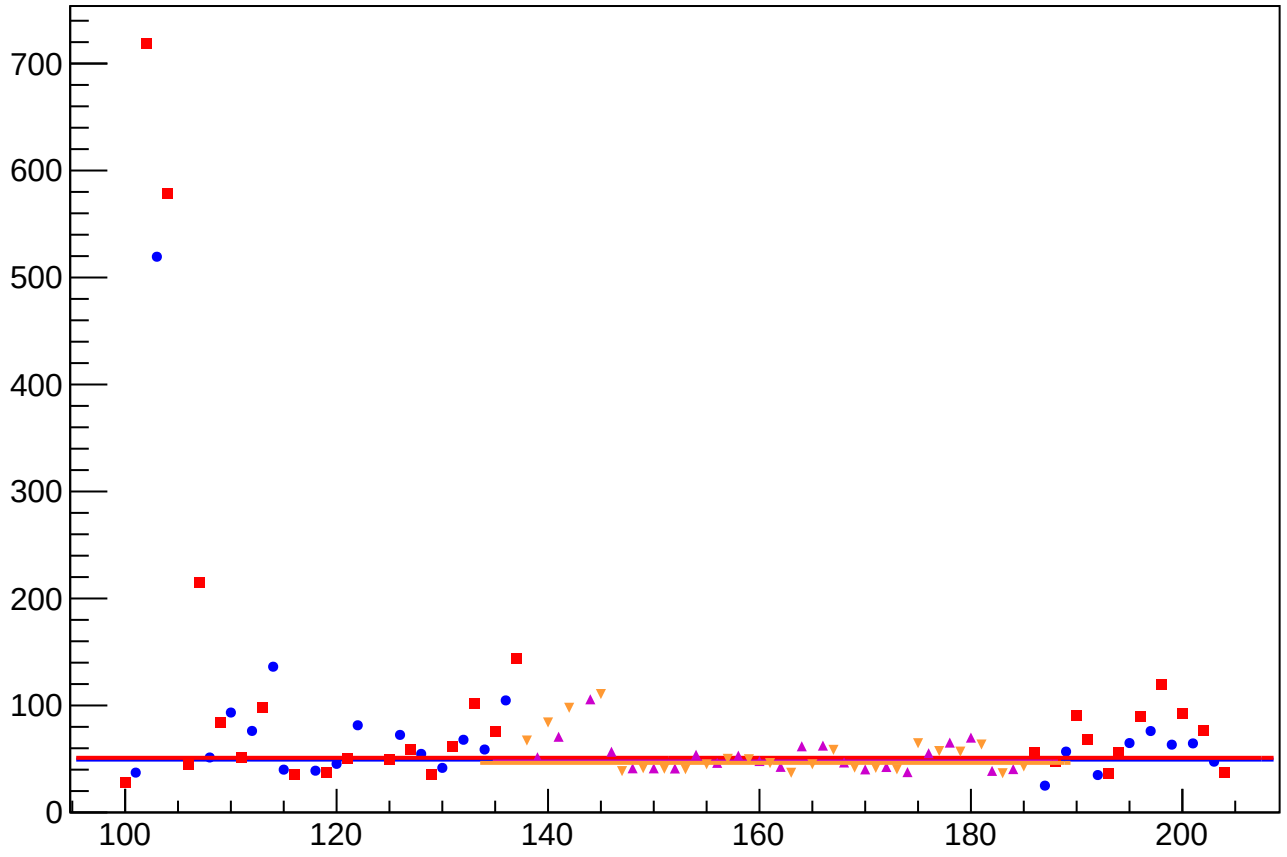
Right Out: -0.001+/-0.016 χ^2/NDF: 16.5/28

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.001+/-0.010 χ^2/NDF: 50.1/47

All: 0.001+/-0.007 χ^2/NDF: 88.4/99

- sign 0.004+/-0.010 χ^2/NDF: 38.2/51



Right In: 49.403+/-0.011 χ^2/NDF: 3208393.6/23

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

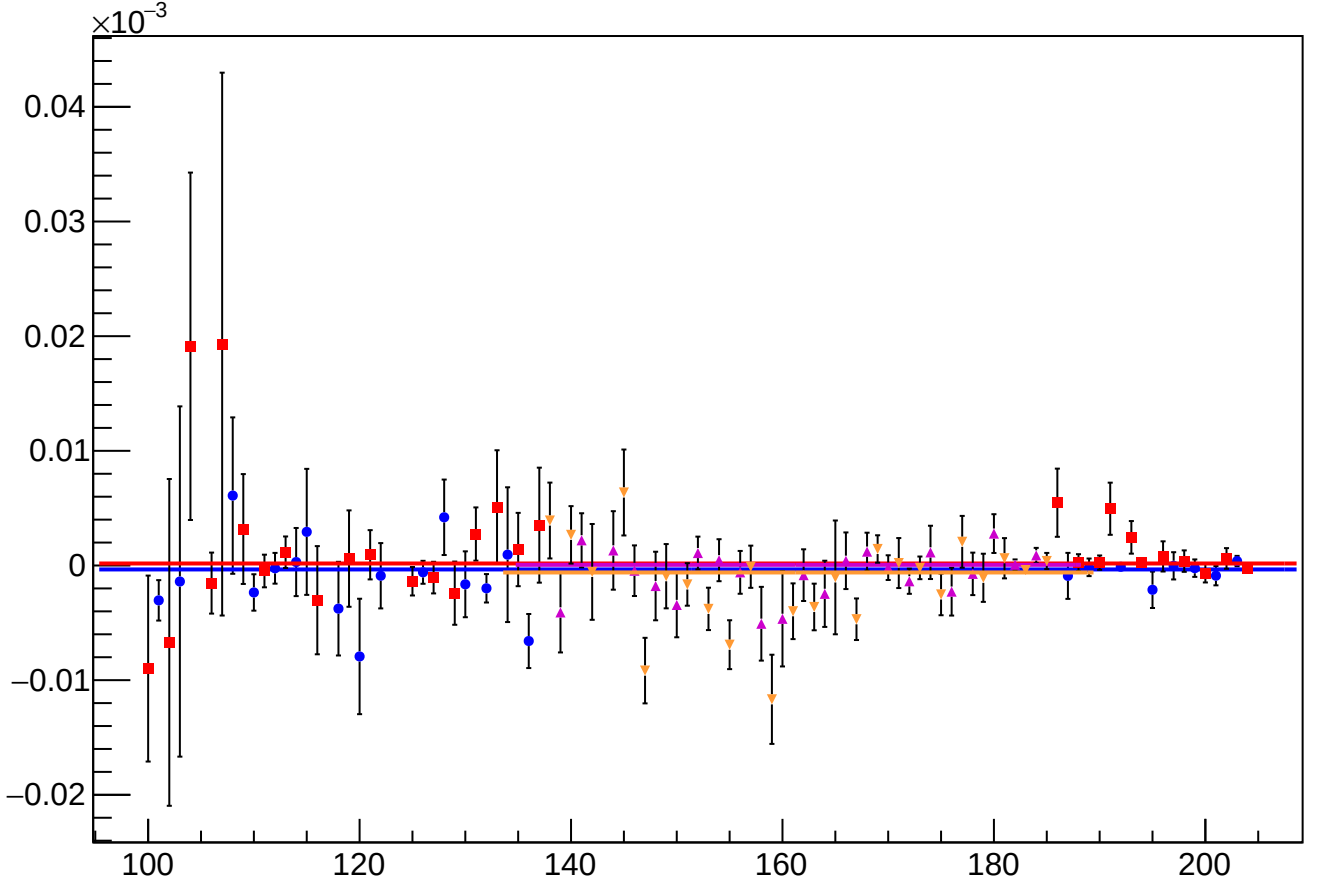
Right Out: 51.080+/-0.011 χ^2/NDF: 4728622.8/28

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.427+/-0.007 χ^2/NDF: 5222438.5/47

All: 48.132+/-0.005 χ^2/NDF: 11609998.6/99

- sign 48.852+/-0.007 χ^2/NDF: 6365634.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

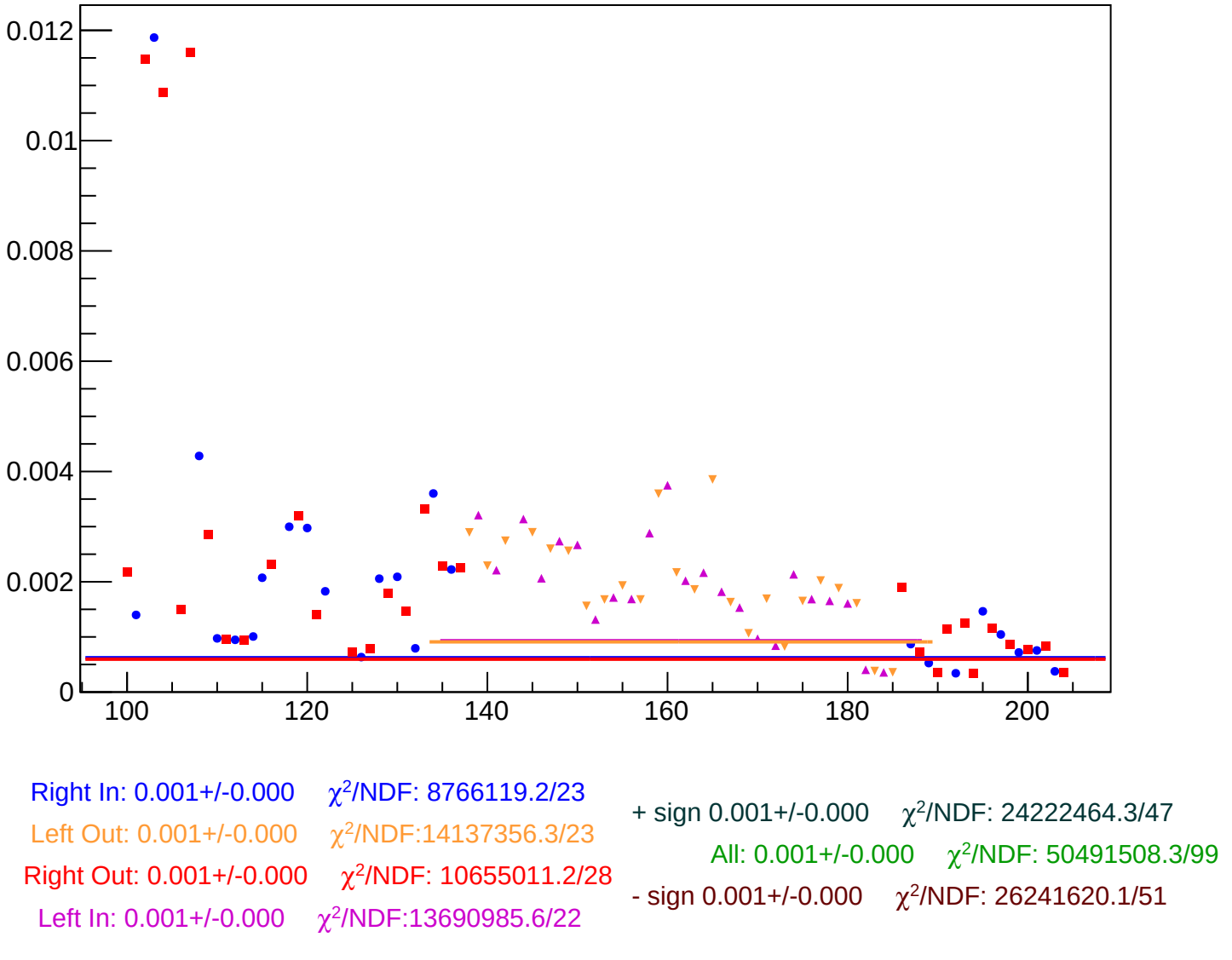
Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/28

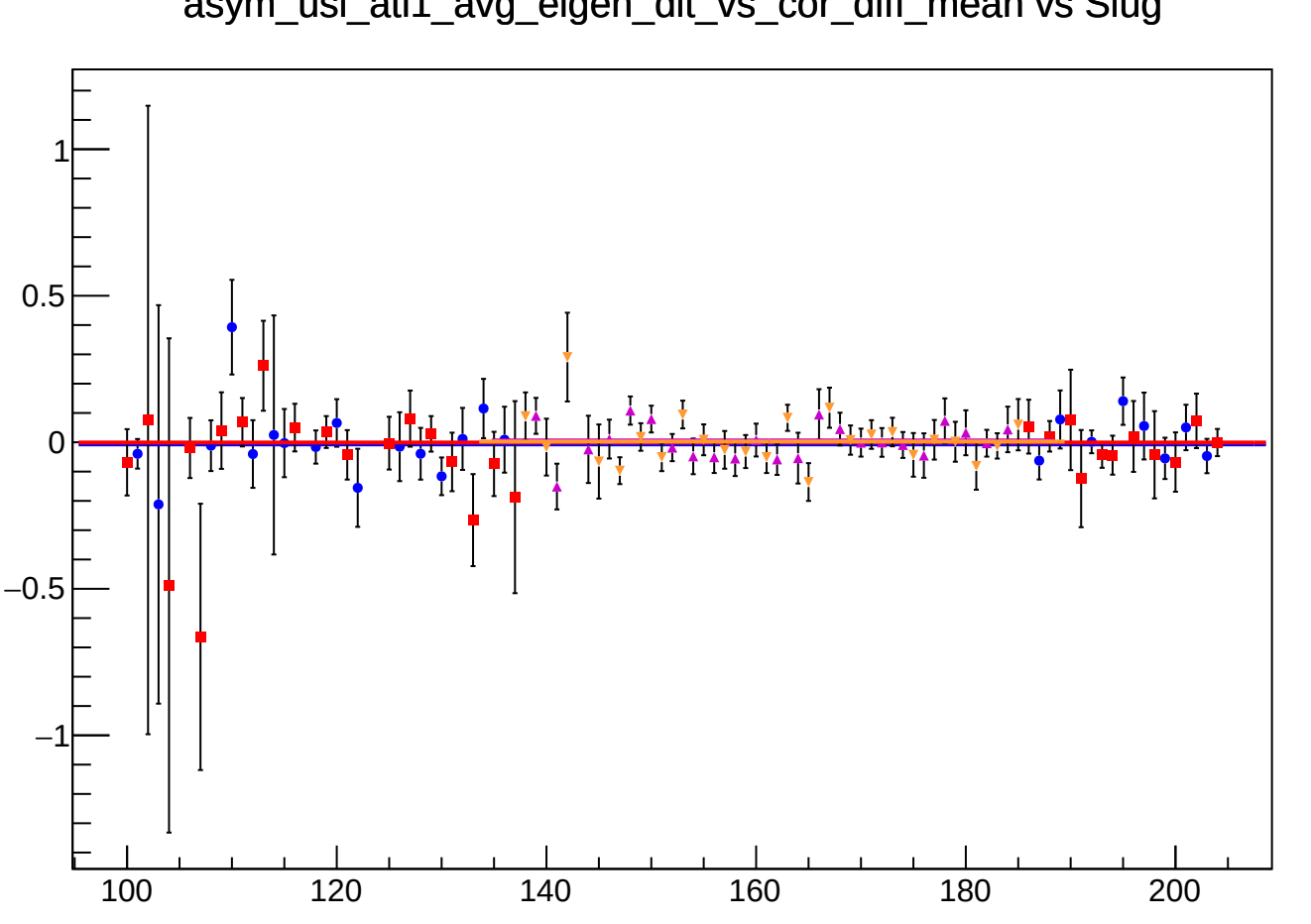
Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.5/47

All: -0.000+/-0.000 χ^2/NDF: 127.3/99

- sign 0.000+/-0.000 χ^2/NDF: 42.7/51


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 8766119.2/23
Left Out: 0.001+/-0.000 χ²/NDF:14137356.3/23
Right Out: 0.001+/-0.000 χ²/NDF: 10655011.2/28
Left In: 0.001+/-0.000 χ²/NDF:13690985.6/22
+ sign 0.001+/-0.000 χ²/NDF: 24222464.3/47
All: 0.001+/-0.000 χ²/NDF: 50491508.3/99
- sign 0.001+/-0.000 χ²/NDF: 26241620.1/51



Right In: -0.007+/-0.016 χ^2/NDF: 19.9/23

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.016 χ^2/NDF: 16.5/28

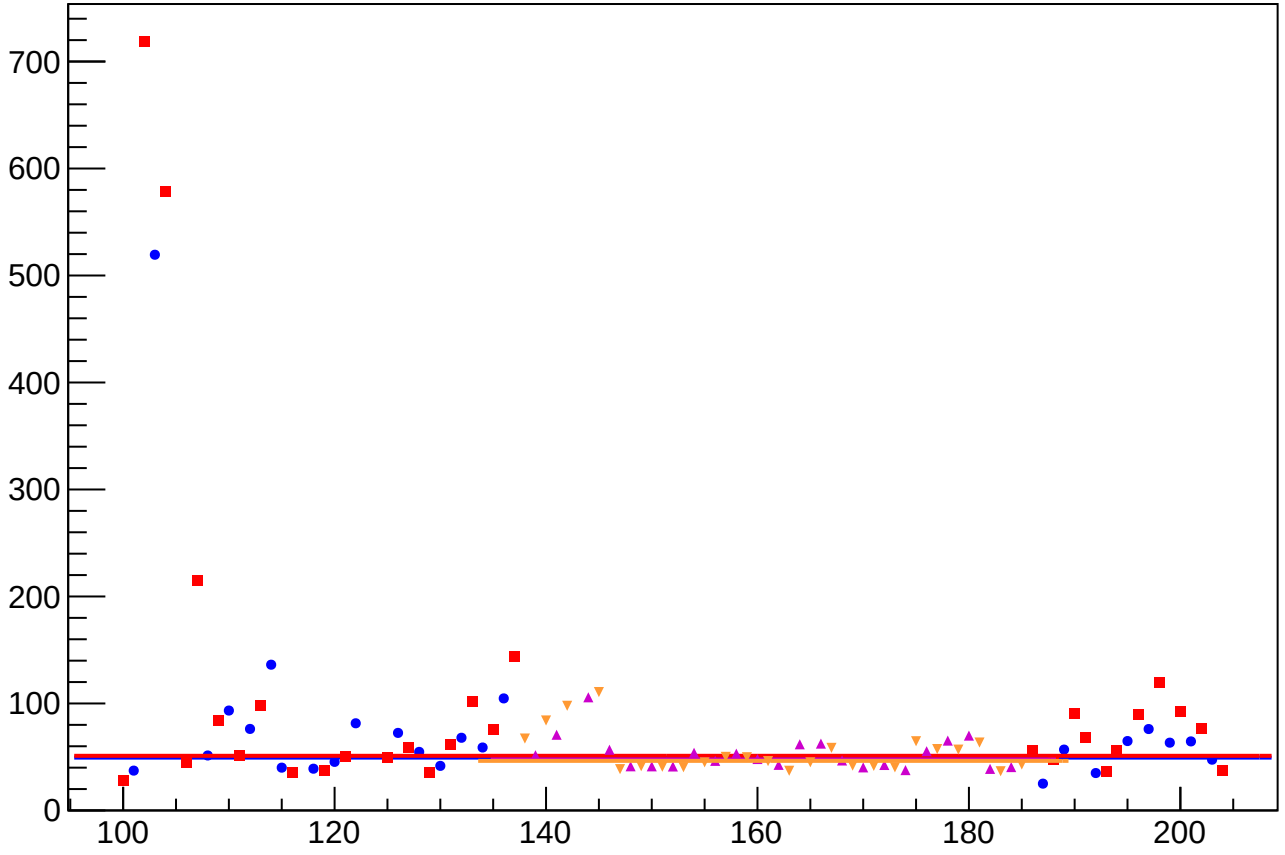
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.001+/-0.010 χ^2/NDF: 50.1/47

All: 0.001+/-0.007 χ^2/NDF: 88.4/99

- sign 0.004+/-0.010 χ^2/NDF: 38.2/51

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 49.403+/-0.011 χ^2/NDF: 3208395.7/23

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

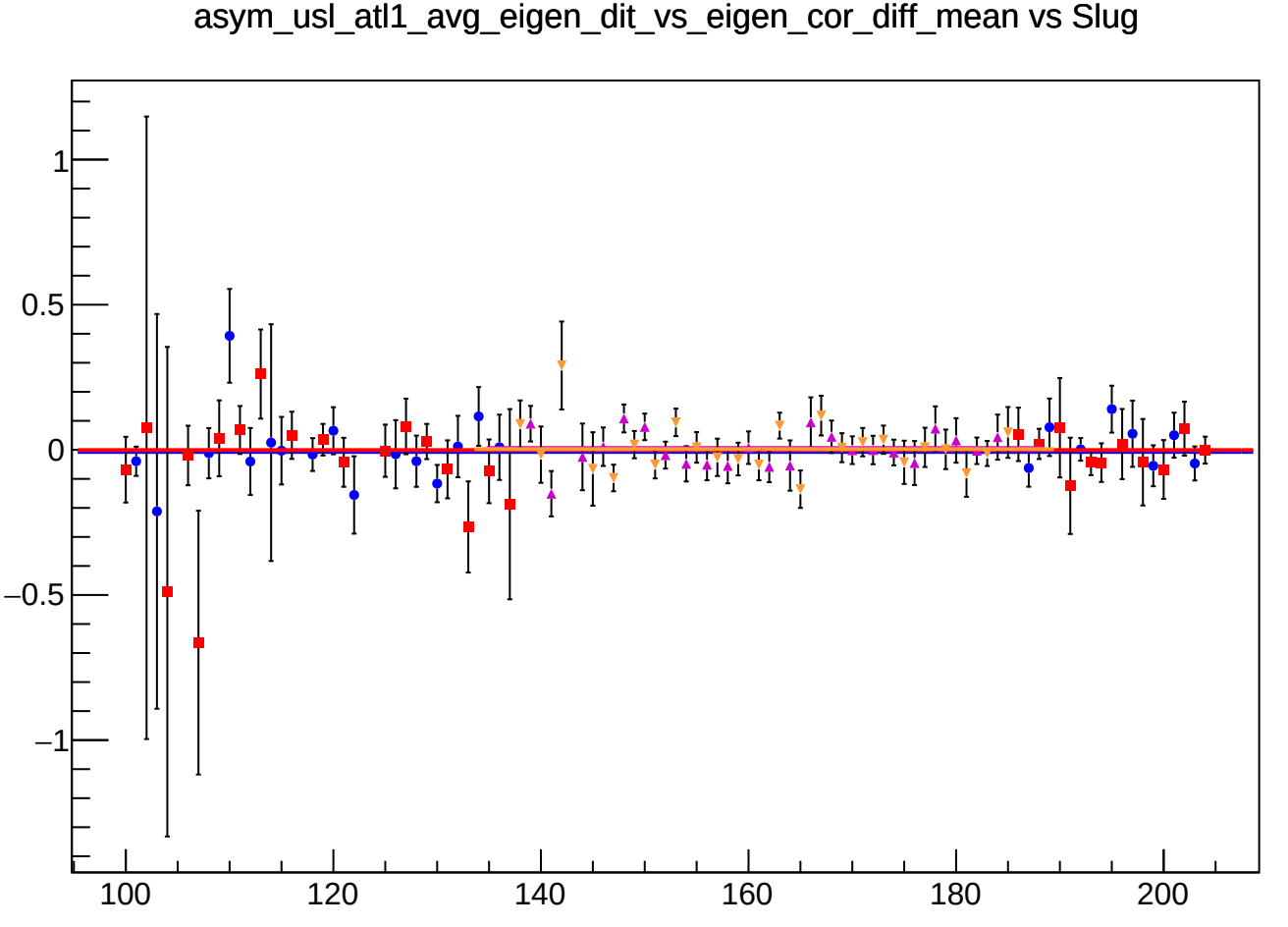
Right Out: 51.079+/-0.011 χ^2/NDF: 4728627.7/28

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.427+/-0.007 χ^2/NDF: 5222421.8/47

All: 48.132+/-0.005 χ^2/NDF: 11609982.1/99

- sign 48.852+/-0.007 χ^2/NDF: 6365638.1/51



Right In: -0.007+/-0.016 χ^2/NDF: 19.9/23

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

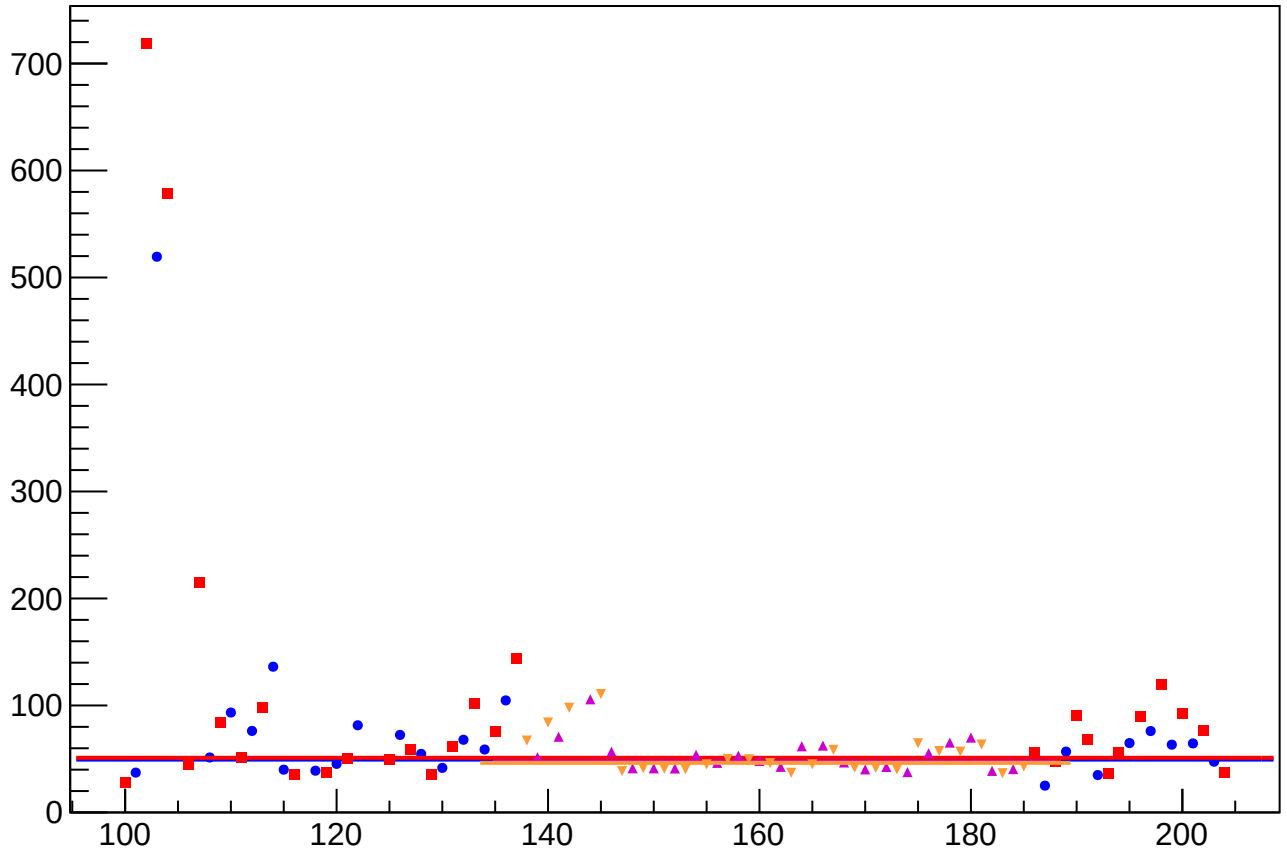
Right Out: -0.001+/-0.016 χ^2/NDF: 16.5/28

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.001+/-0.010 χ^2/NDF: 50.1/47

All: 0.001+/-0.007 χ^2/NDF: 88.4/99

- sign 0.004+/-0.010 χ^2/NDF: 38.2/51



Right In: 49.403+/-0.011 χ^2/NDF: 3208395.7/23

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

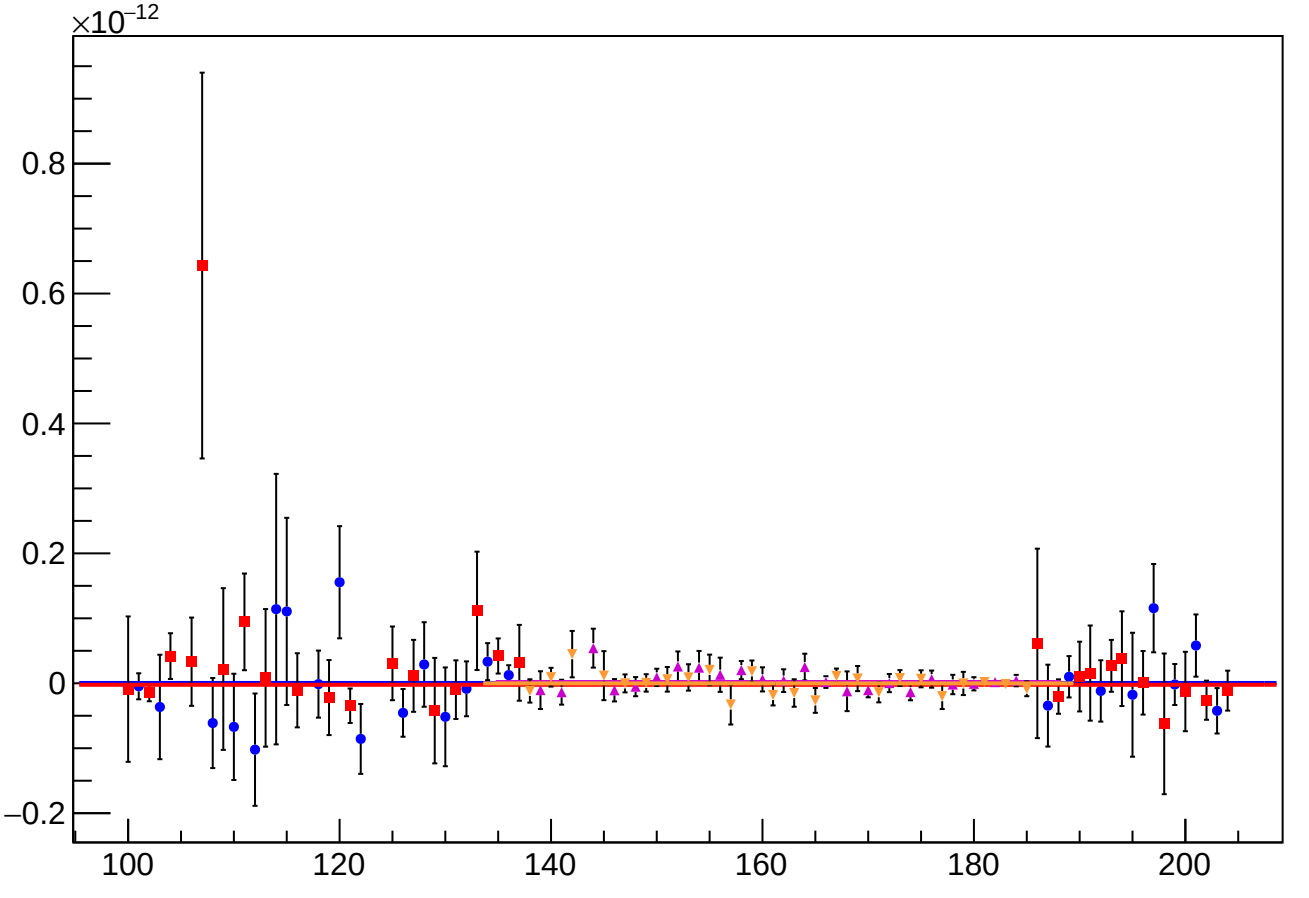
Right Out: 51.079+/-0.011 χ^2/NDF: 4728627.7/28

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

\+ sign 47.427+/-0.007 χ^2/NDF: 5222421.8/47

All: 48.132+/-0.005 χ^2/NDF: 11609982.1/99

\- sign 48.852+/-0.007 χ^2/NDF: 6365638.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

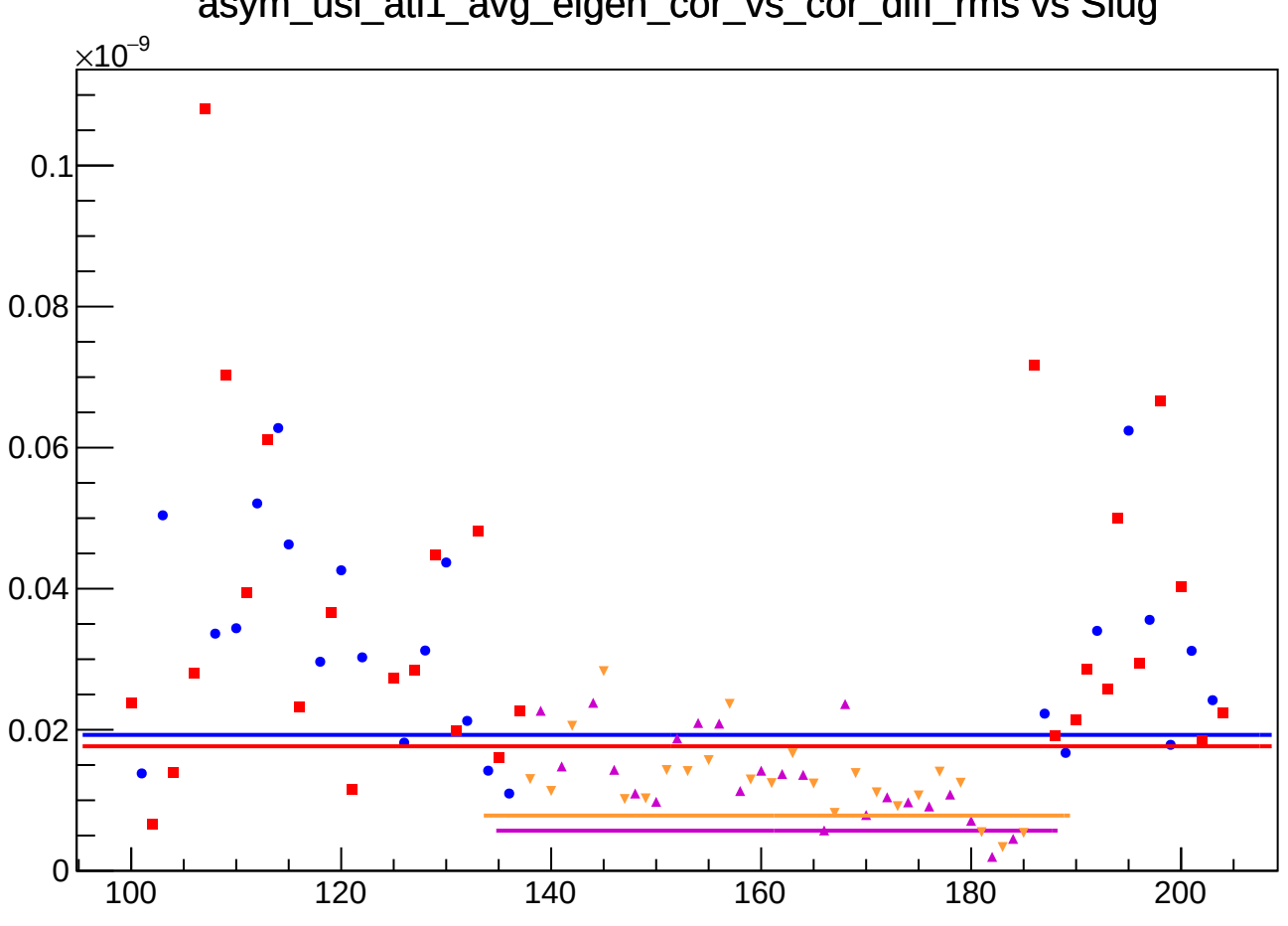
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/28

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.3/47

All: 0.000+/-0.000 χ^2/NDF: 66.9/99

- sign 0.000+/-0.000 χ^2/NDF: 32.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 3206131.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5176448.6/28

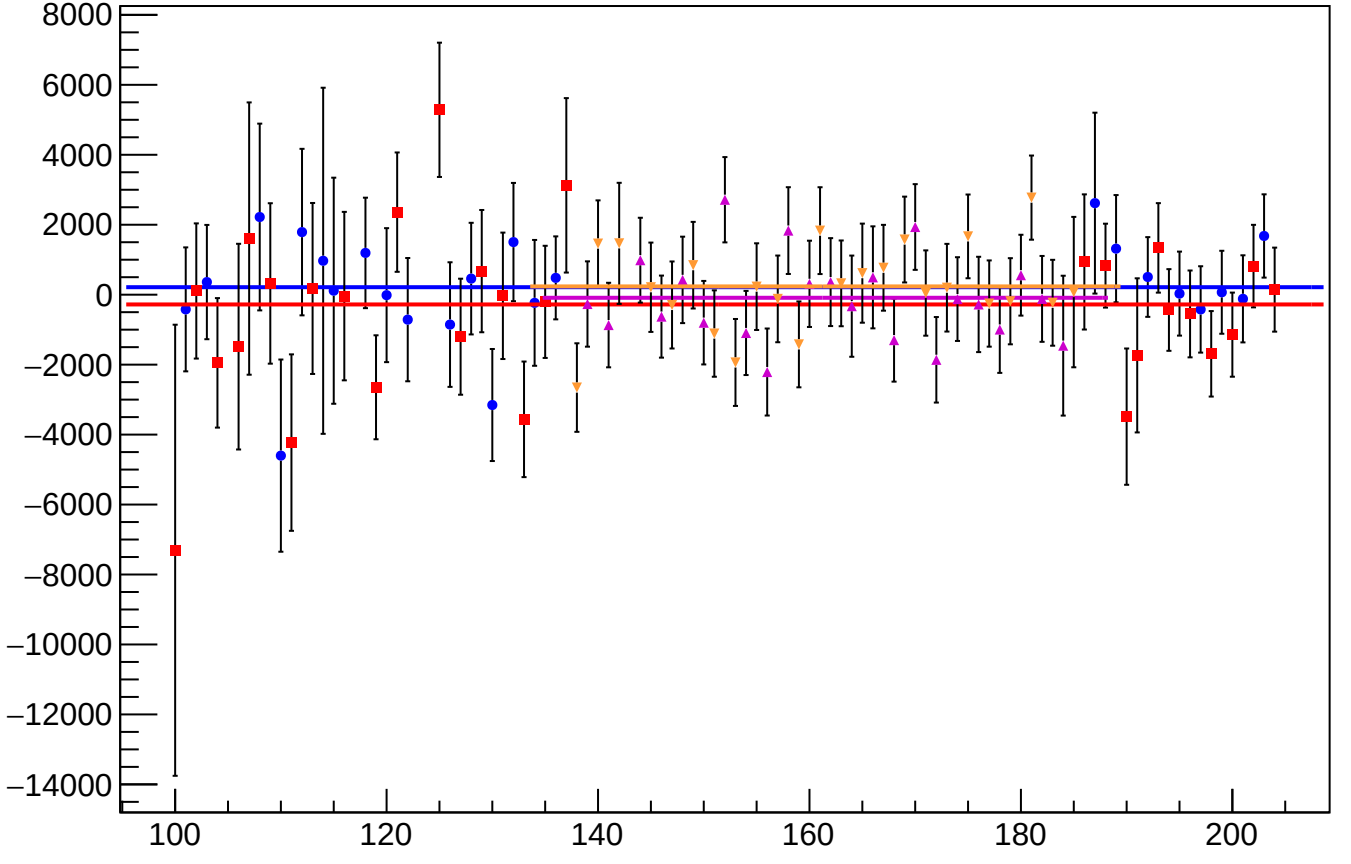
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 13335537.7/47

All: 0.000+/-0.000 χ^2/NDF: 35569289.2/99

- sign 0.000+/-0.000 χ^2/NDF: 21197856.1/51

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 214.357+/-324.476 χ^2/NDF: 13.7/23

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -279.033+/-306.689 χ^2/NDF: 33.7/28

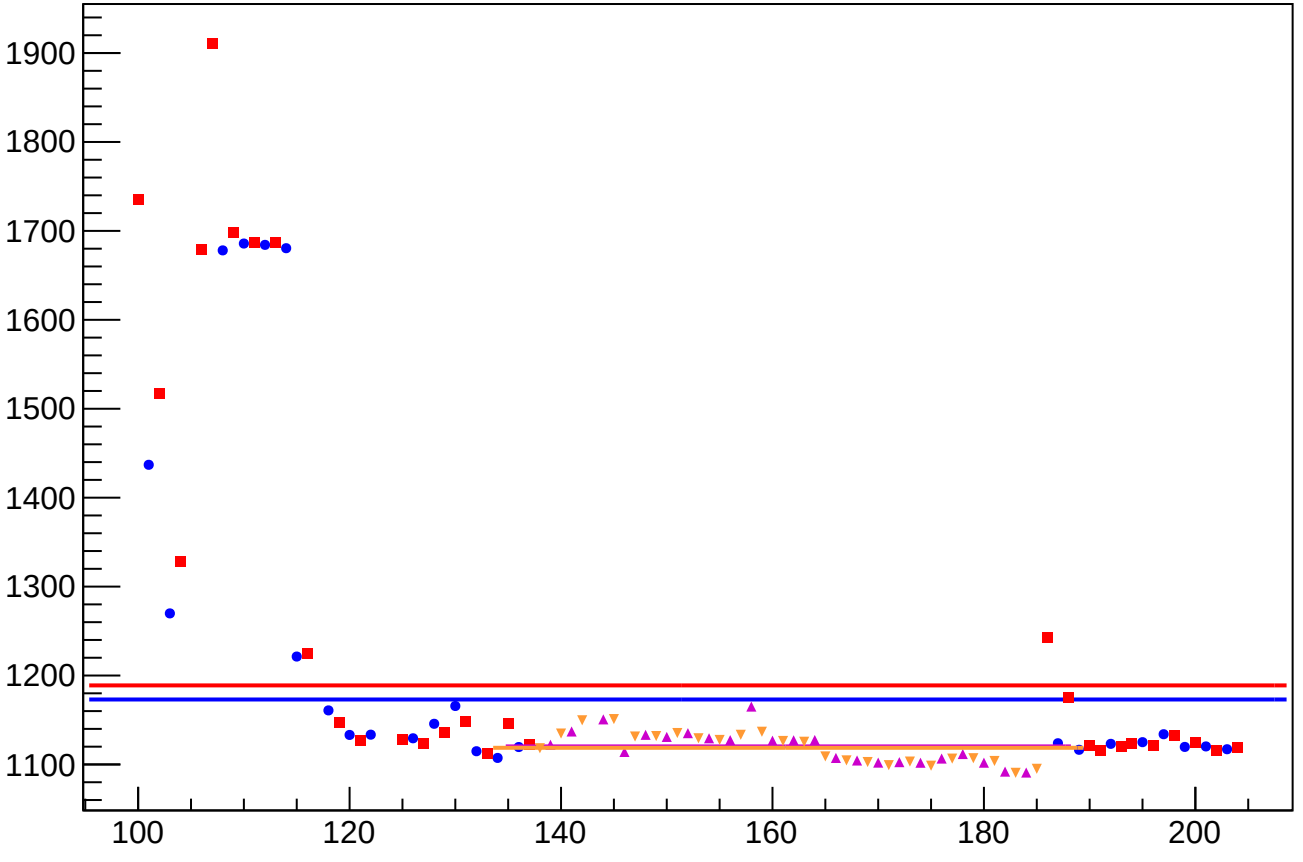
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 227.917+/-202.740 χ^2/NDF: 36.5/47

All: 25.960+/-142.030 χ^2/NDF: 93.2/99

- sign -168.675+/-199.031 χ^2/NDF: 54.8/51

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1173.055+/-0.229 χ^2/NDF: 343825.6/23

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1188.897+/-0.217 χ^2/NDF: 535534.4/28

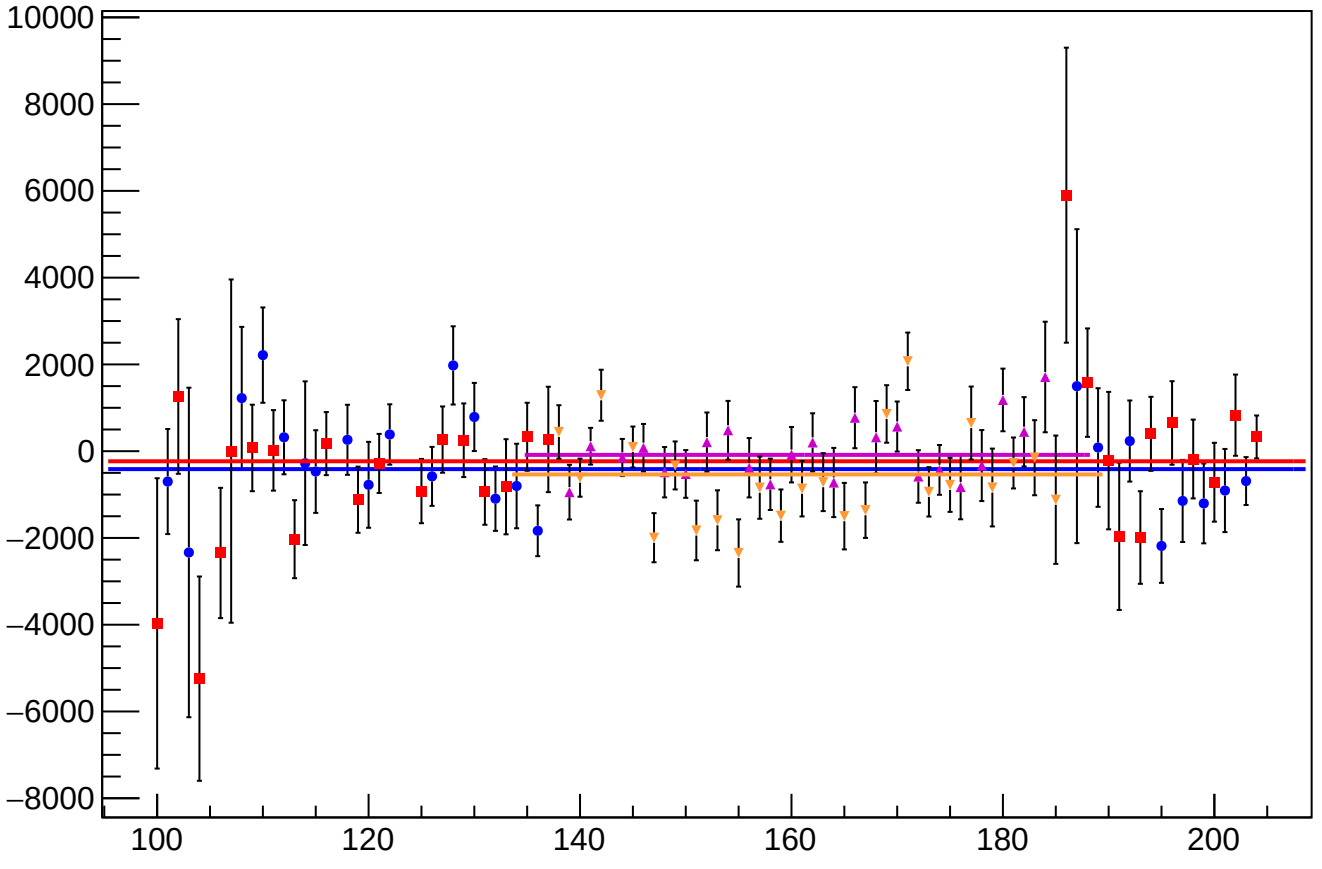
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1139.941+/-0.143 χ^2/NDF: 386202.0/47

All: 1144.653+/-0.100 χ^2/NDF: 991240.2/99

- sign 1149.195+/-0.141 χ^2/NDF: 602916.3/51

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -413.459+/-182.767 χ^2/NDF: 33.3/23

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

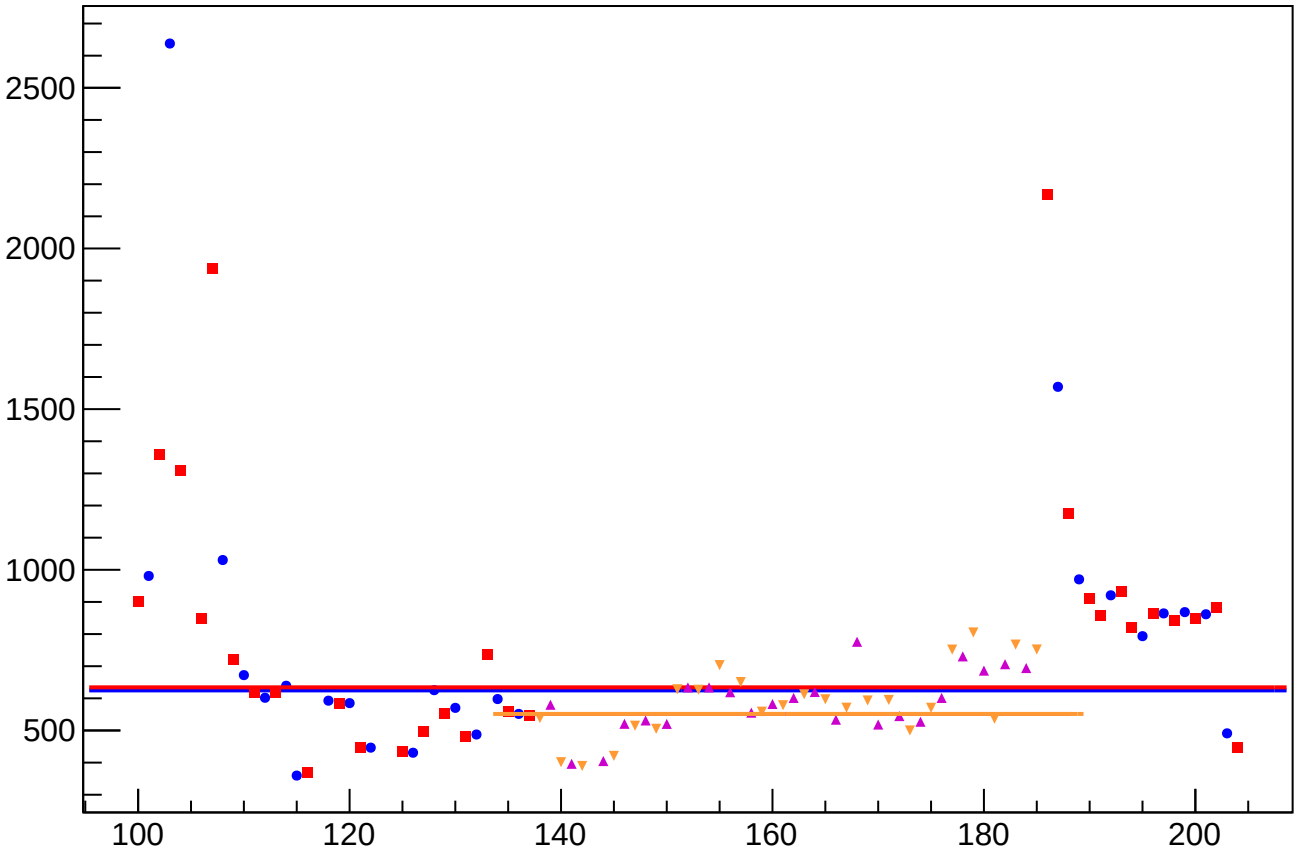
Right Out: -232.614+/-175.335 χ^2/NDF: 31.1/28

Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

\+ sign -494.493+/-106.284 χ^2/NDF: 95.2/47

All: -313.968+/-74.670 χ^2/NDF: 149.6/99

\- sign -138.027+/-104.926 χ^2/NDF: 48.7/51



Right In: 624.738+/-0.129 χ^2/NDF: 2479336.4/23

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 634.237+/-0.124 χ^2/NDF: 3454414.0/28

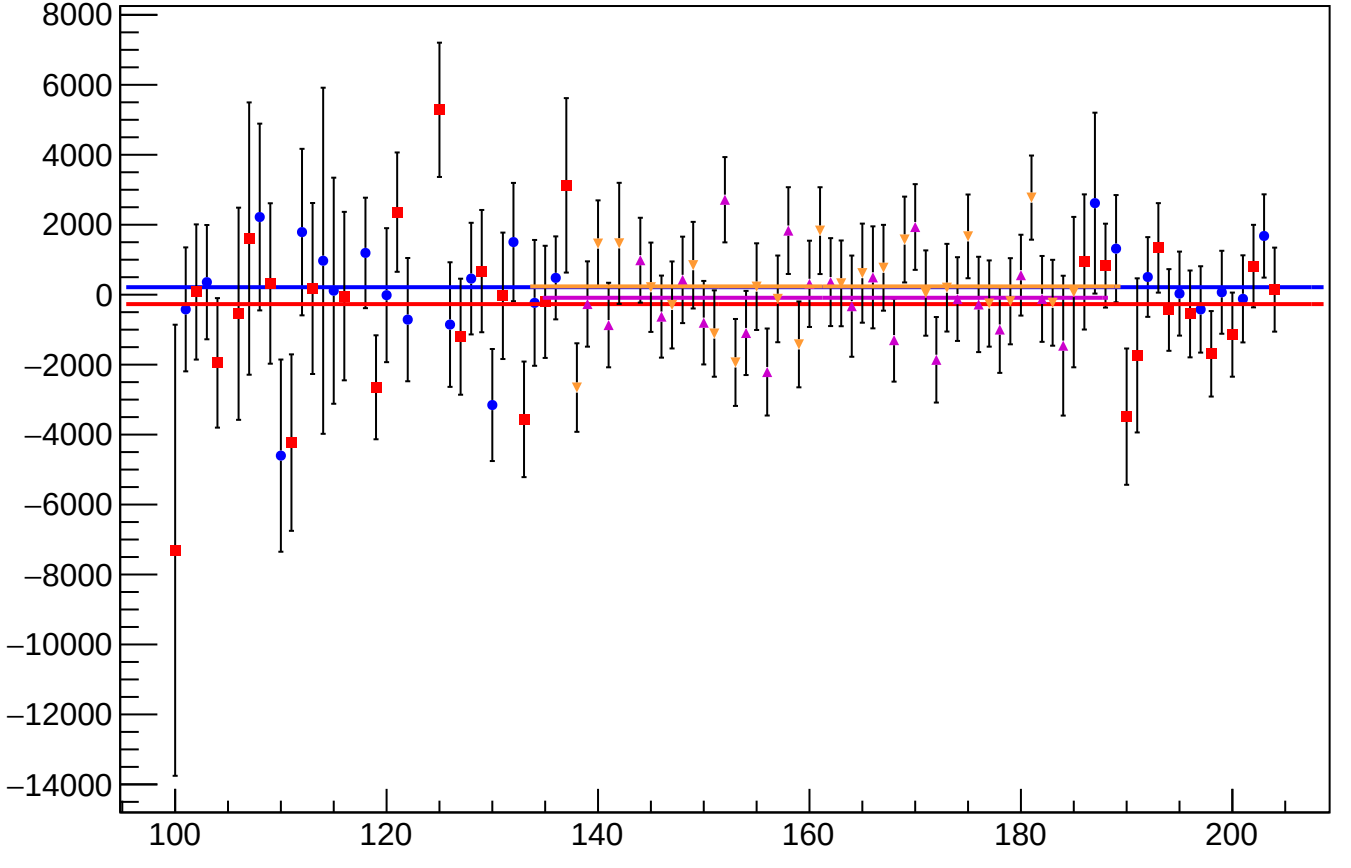
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 576.227+/-0.075 χ^2/NDF: 3918847.3/47

All: 578.657+/-0.053 χ^2/NDF: 8724075.8/99

- sign 581.025+/-0.074 χ^2/NDF: 4803165.0/51

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 214.190+/-324.476 χ^2/NDF: 13.7/23

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -269.379+/-306.790 χ^2/NDF: 33.5/28

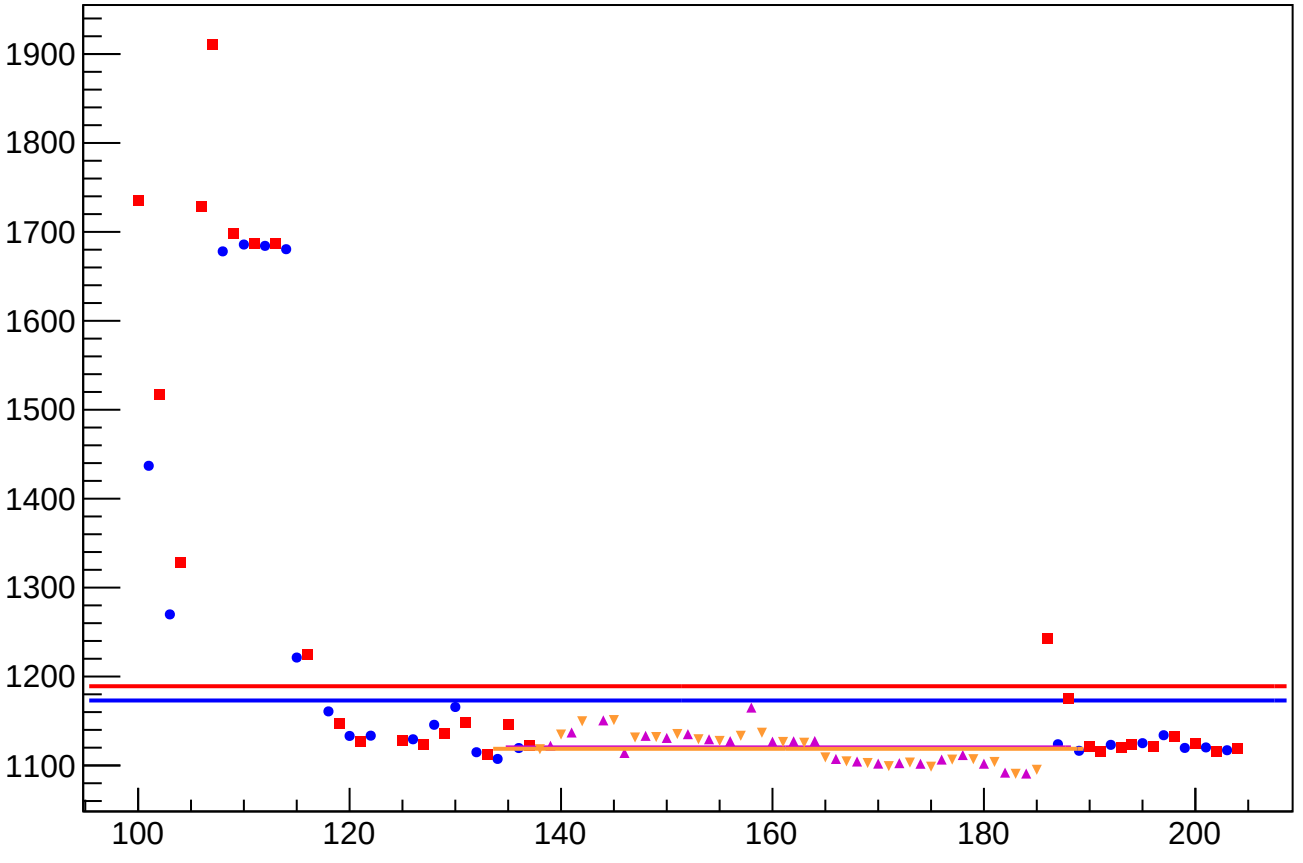
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 227.877+/-202.740 χ^2/NDF: 36.5/47

All: 28.056+/-142.040 χ^2/NDF: 93.0/99

- sign -164.574+/-199.059 χ^2/NDF: 54.6/51

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1173.056+/-0.229 χ^2/NDF: 343825.7/23

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1189.089+/-0.217 χ^2/NDF: 543393.2/28

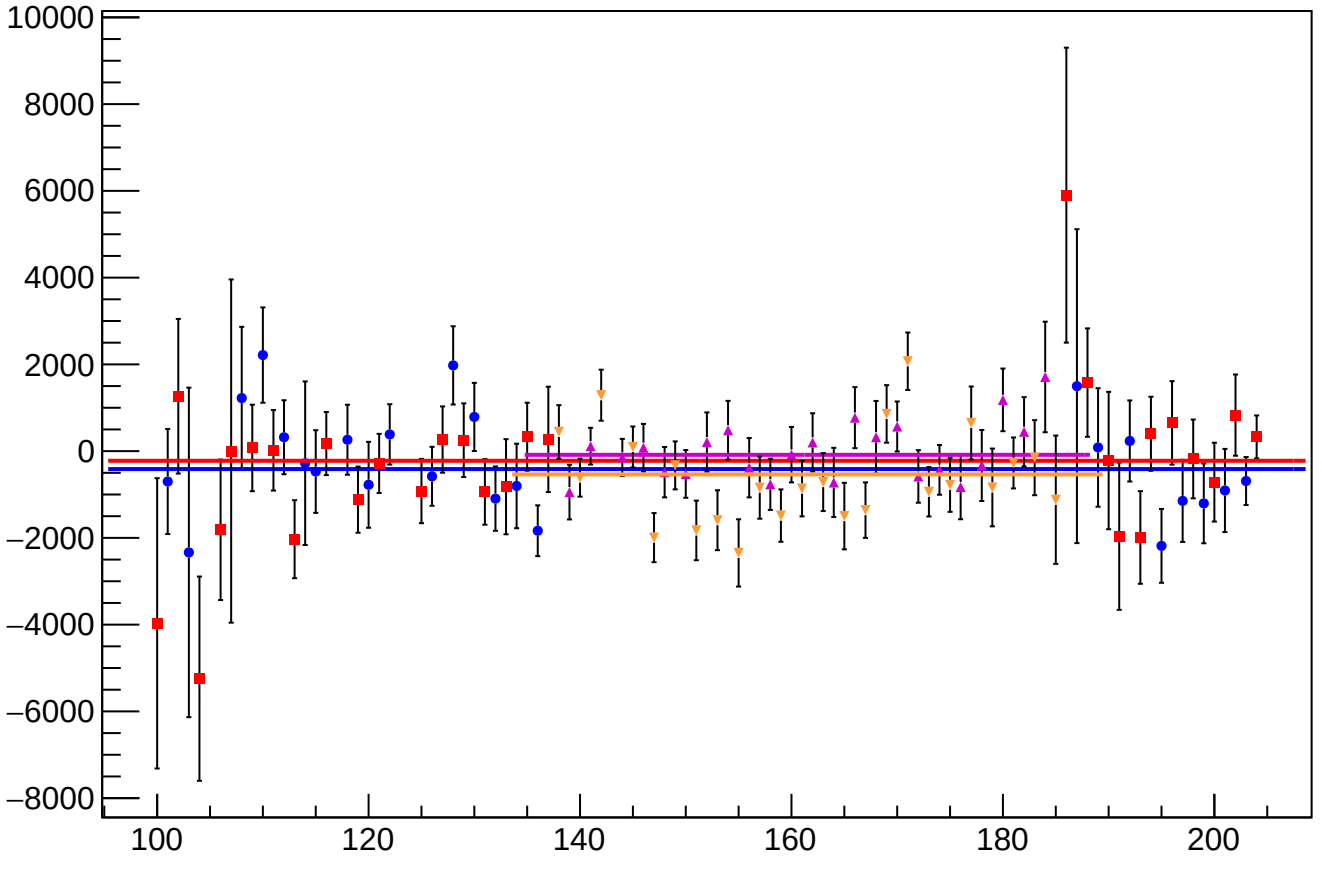
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1139.941+/-0.143 χ^2/NDF: 386202.1/47

All: 1144.688+/-0.100 χ^2/NDF: 999432.8/99

- sign 1149.265+/-0.141 χ^2/NDF: 611077.1/51

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -413.443+/-182.766 χ^2/NDF: 33.3/23

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -222.300+/-175.501 χ^2/NDF: 30.1/28

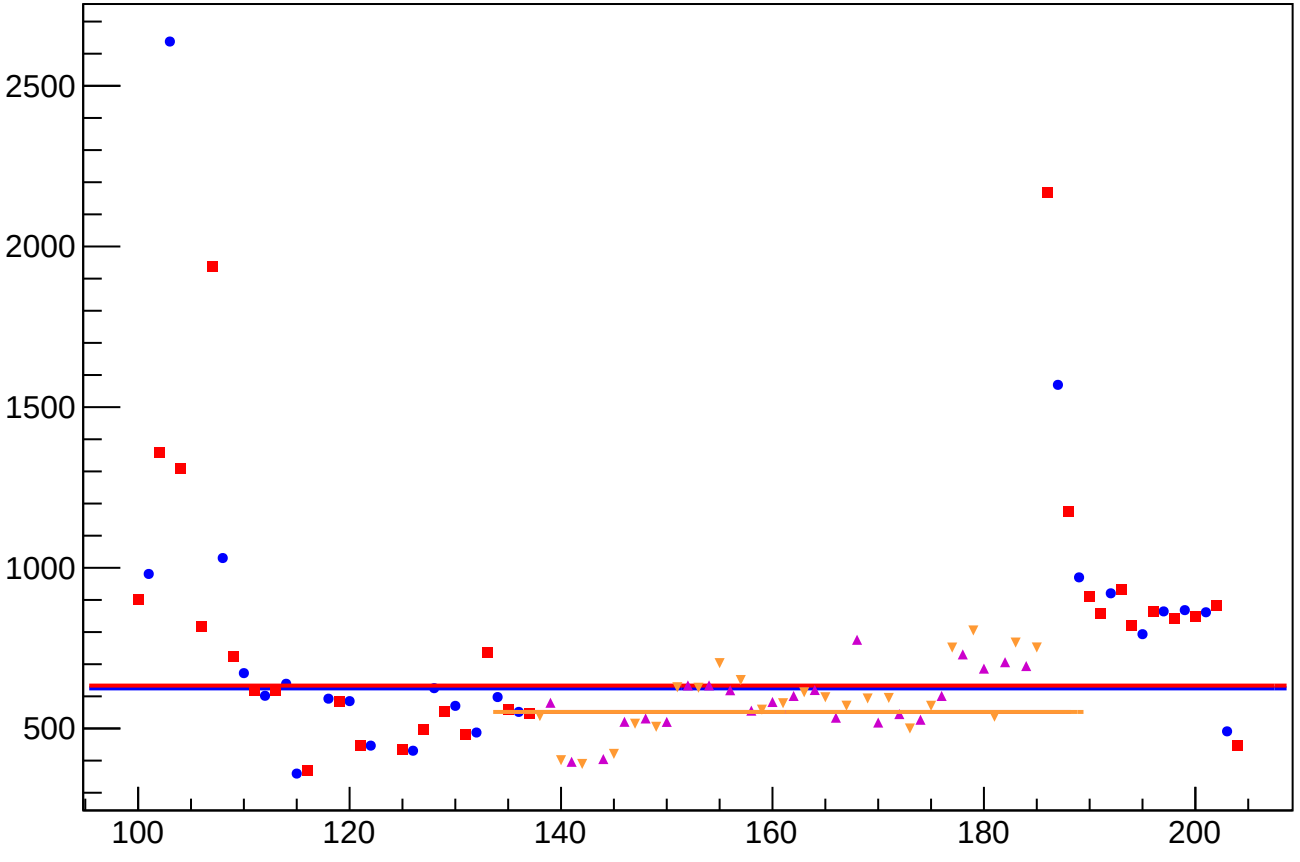
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -494.508+/-106.284 χ^2/NDF: 95.2/47

All: -312.132+/-74.682 χ^2/NDF: 148.6/99

- sign -134.266+/-104.962 χ^2/NDF: 47.6/51

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 624.733+/-0.129 χ^2/NDF: 2479354.3/23

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 633.457+/-0.124 χ^2/NDF: 3439711.4/28

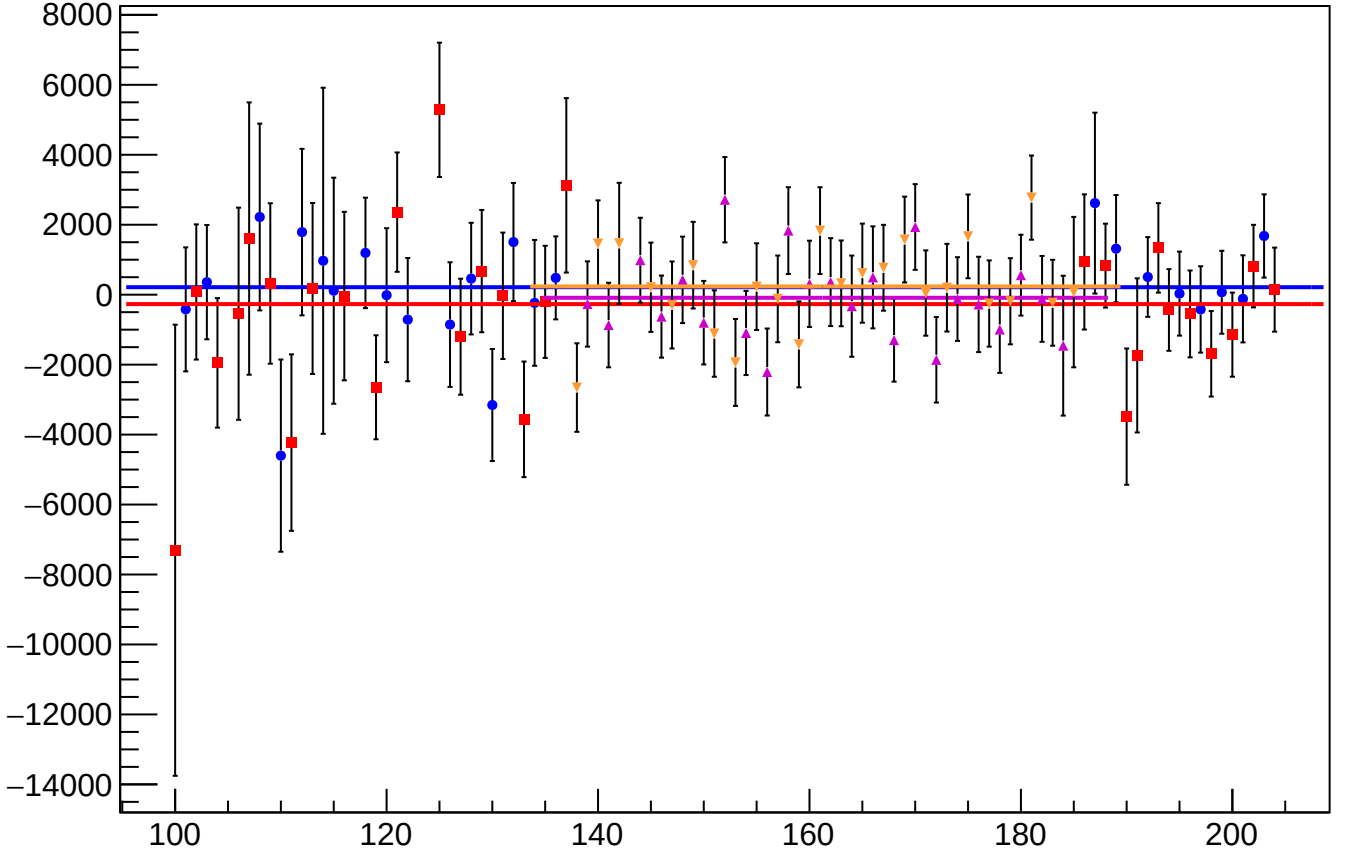
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 576.226+/-0.075 χ^2/NDF: 3918855.8/47

All: 578.495+/-0.053 χ^2/NDF: 8703378.8/99

- sign 580.709+/-0.074 χ^2/NDF: 4782721.0/51

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 214.190+/-324.476 χ^2/NDF: 13.7/23

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -269.379+/-306.790 χ^2/NDF: 33.5/28

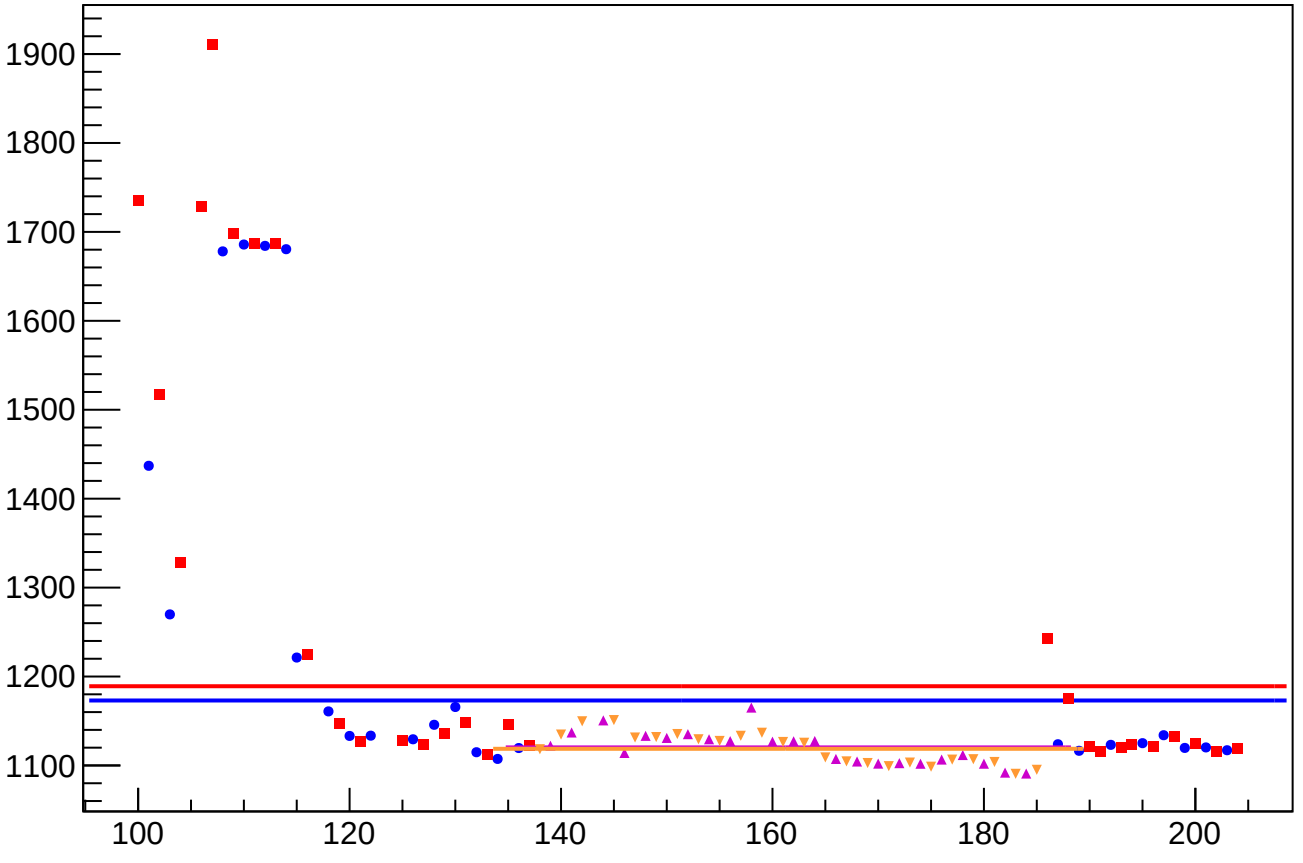
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 227.877+/-202.740 χ^2/NDF: 36.5/47

All: 28.056+/-142.040 χ^2/NDF: 93.0/99

- sign -164.574+/-199.059 χ^2/NDF: 54.6/51

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1173.056+/-0.229 χ^2/NDF: 343825.7/23

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

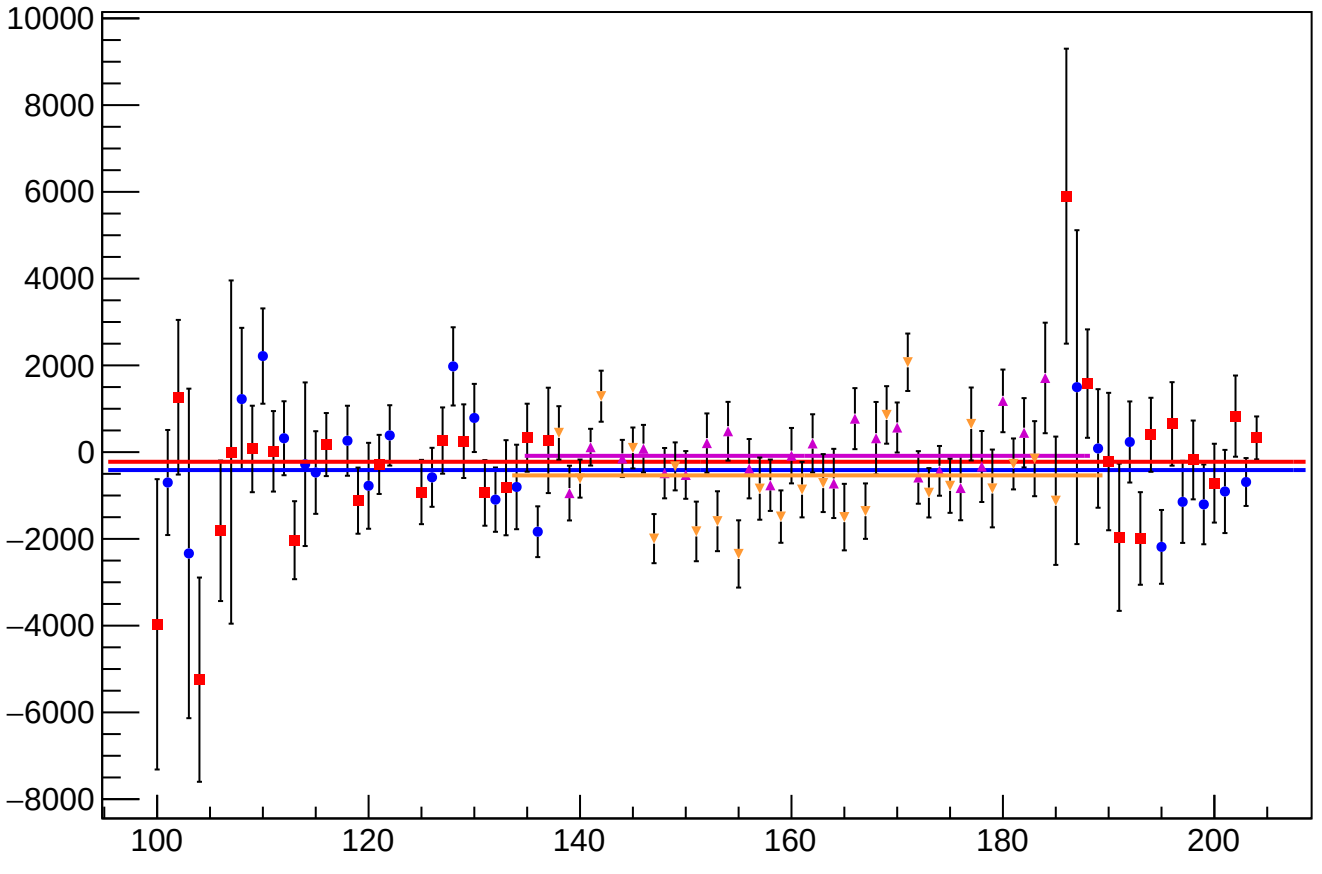
Right Out: 1189.089+/-0.217 χ^2/NDF: 543393.2/28

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

\+ sign 1139.941+/-0.143 χ^2/NDF: 386202.1/47

All: 1144.688+/-0.100 χ^2/NDF: 999432.8/99

\- sign 1149.265+/-0.141 χ^2/NDF: 611077.1/51



Right In: -413.443+/-182.766 χ^2/NDF: 33.3/23

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

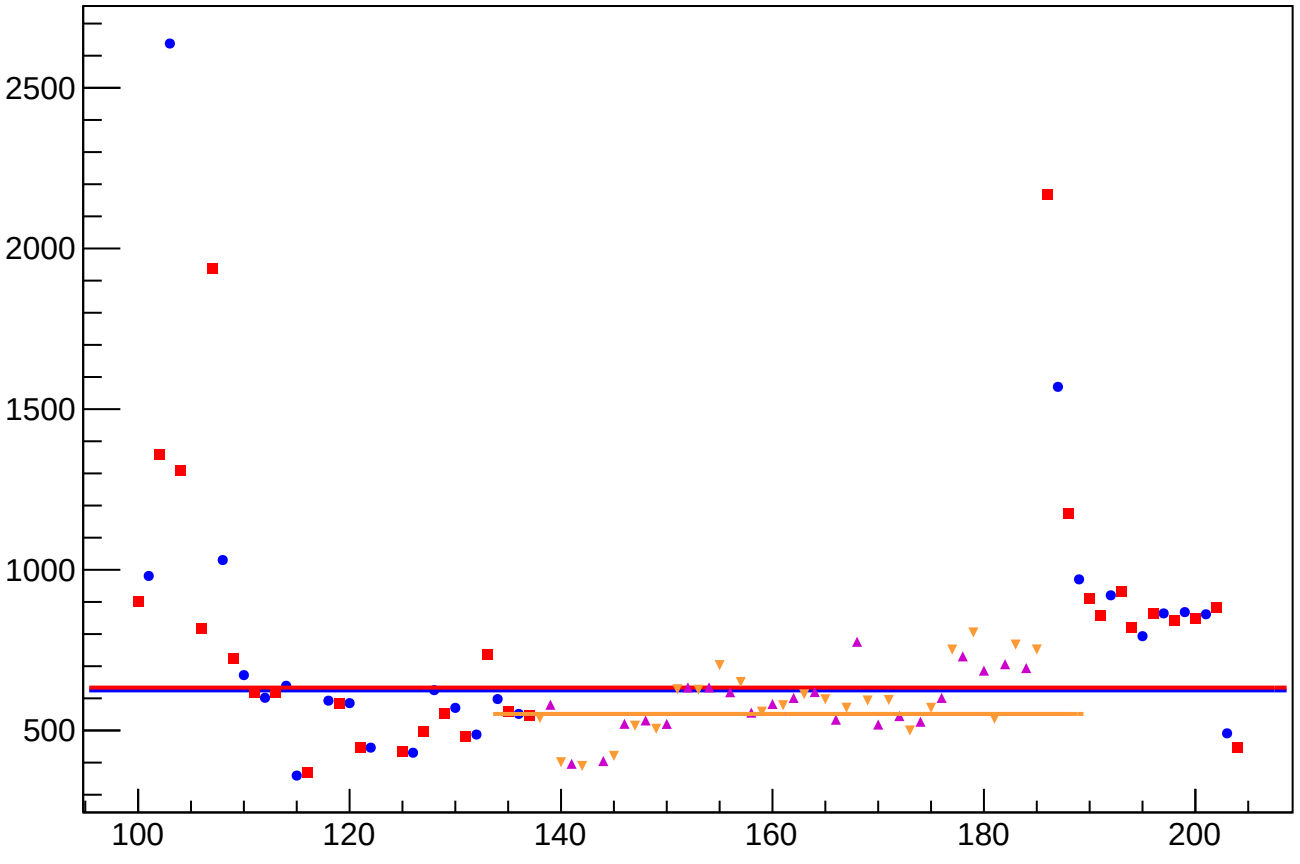
Right Out: -222.300+/-175.501 χ^2/NDF: 30.1/28

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -494.508+/-106.284 χ^2/NDF: 95.2/47

All: -312.132+/-74.682 χ^2/NDF: 148.6/99

- sign -134.266+/-104.962 χ^2/NDF: 47.6/51



Right In: 624.733+/-0.129 χ^2/NDF: 2479354.3/23

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 633.457+/-0.124 χ^2/NDF: 3439711.4/28

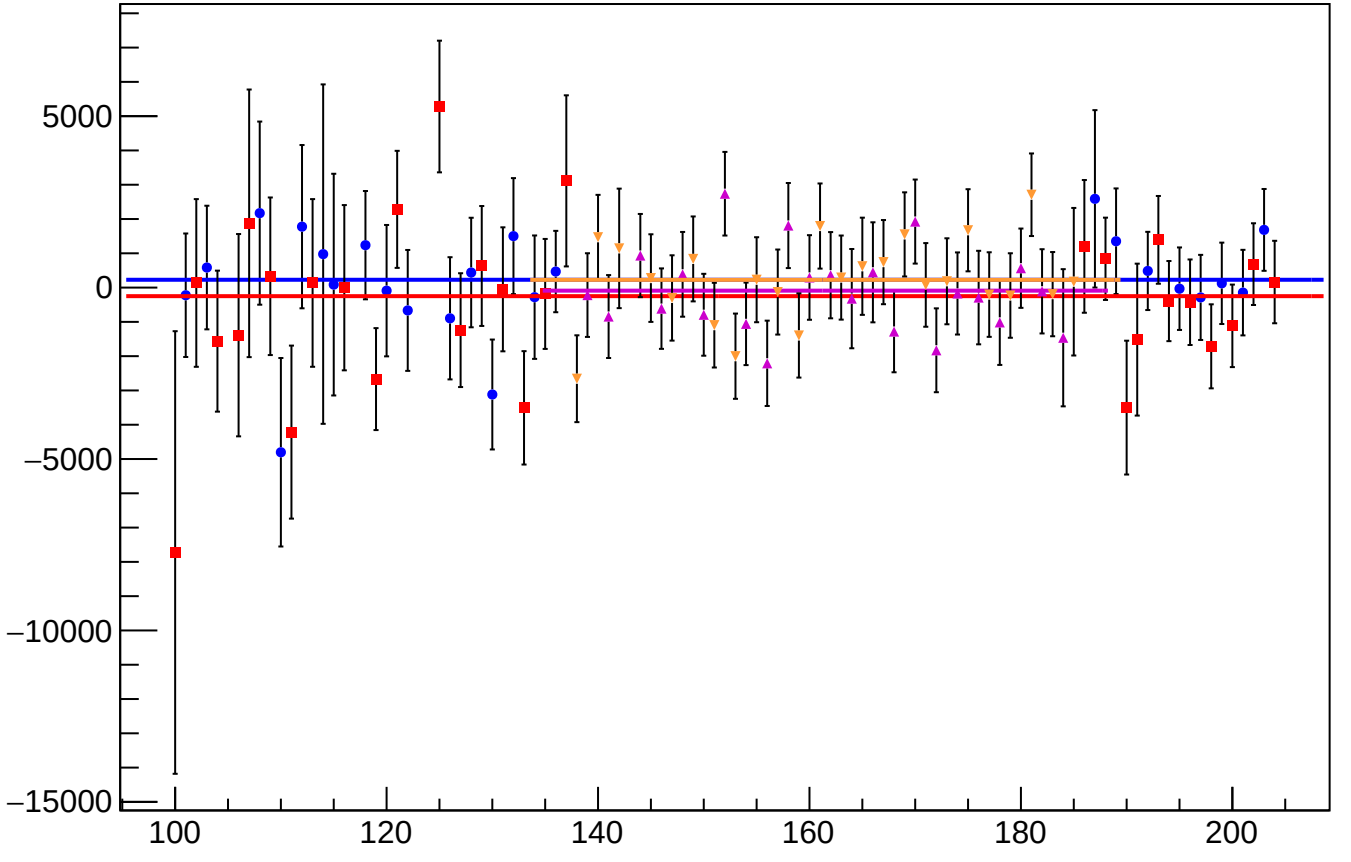
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 576.226+/-0.075 χ^2/NDF: 3918855.8/47

All: 578.495+/-0.053 χ^2/NDF: 8703378.8/99

- sign 580.709+/-0.074 χ^2/NDF: 4782721.0/51

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 228.195+/-326.249 χ^2/NDF: 13.8/23

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -249.912+/-309.542 χ^2/NDF: 33.1/28

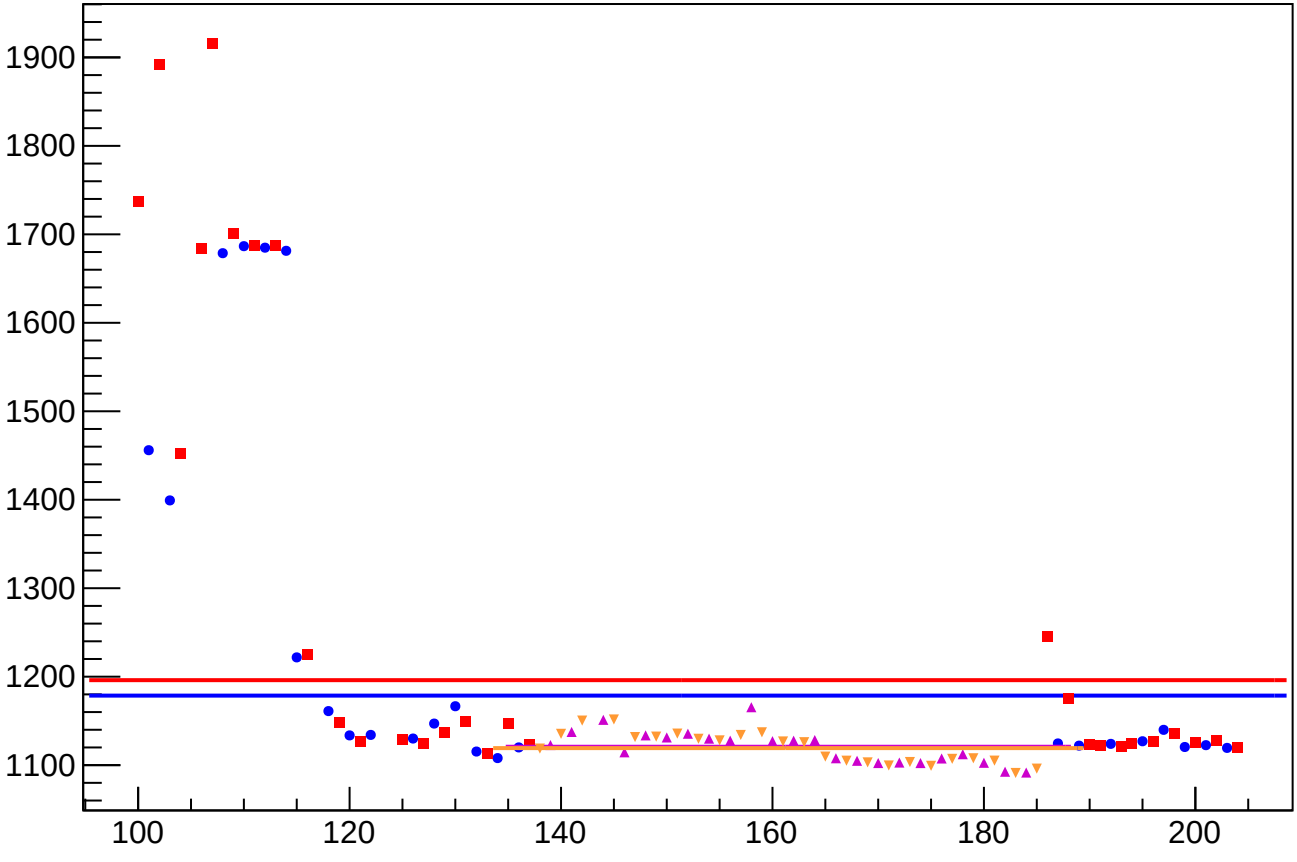
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 226.646+/-203.248 χ^2/NDF: 36.0/47

All: 32.041+/-142.503 χ^2/NDF: 91.6/99

- sign -156.124+/-199.856 χ^2/NDF: 53.8/51

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1178.605+/-0.231 χ^2/NDF: 370508.6/23

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1196.067+/-0.219 χ^2/NDF: 661175.2/28

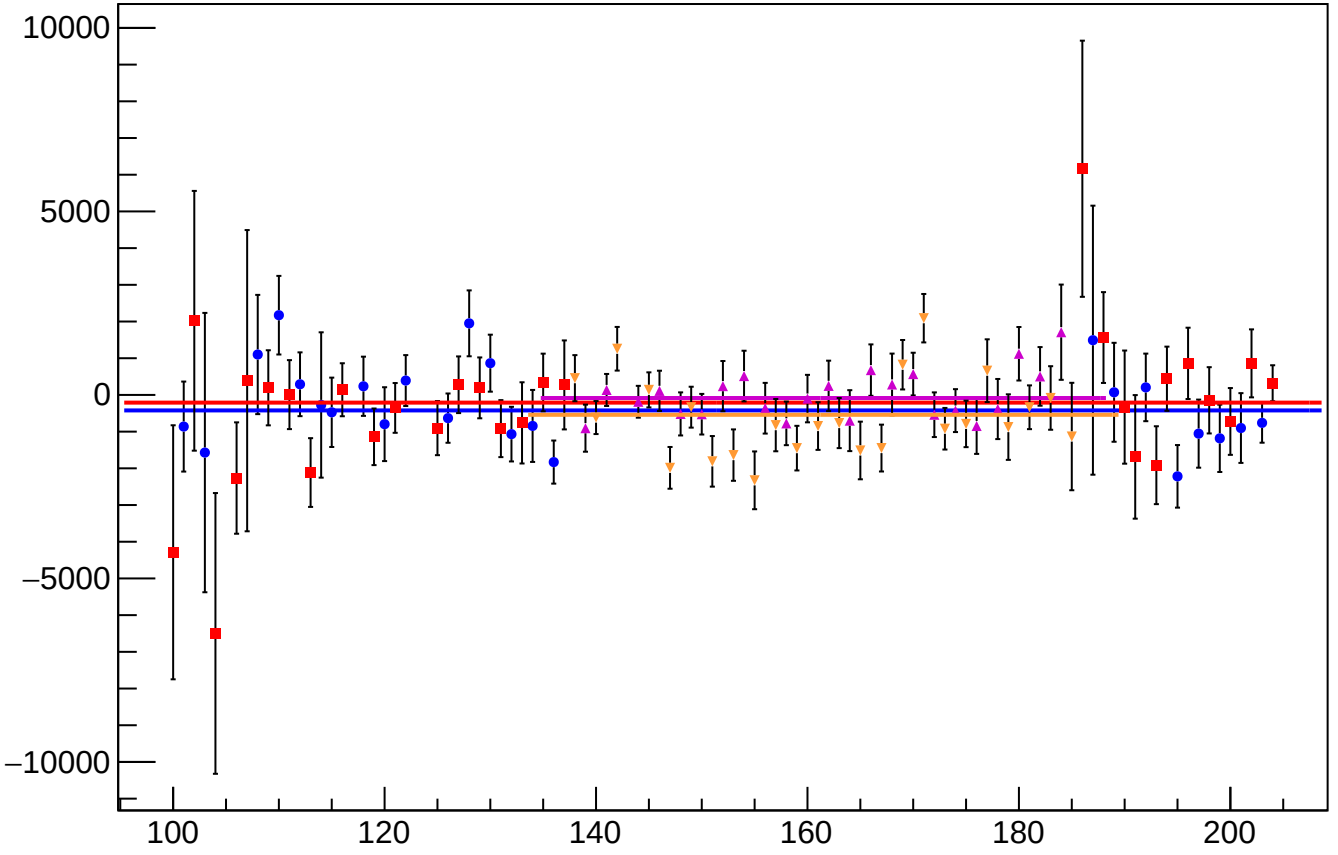
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1142.291+/-0.144 χ^2/NDF: 419147.0/47

All: 1147.317+/-0.101 χ^2/NDF: 1161108.5/99

- sign 1152.176+/-0.141 χ^2/NDF: 739556.2/51

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -422.155+/-181.931 χ^2/NDF: 33.5/23

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -209.654+/-176.778 χ^2/NDF: 29.0/28

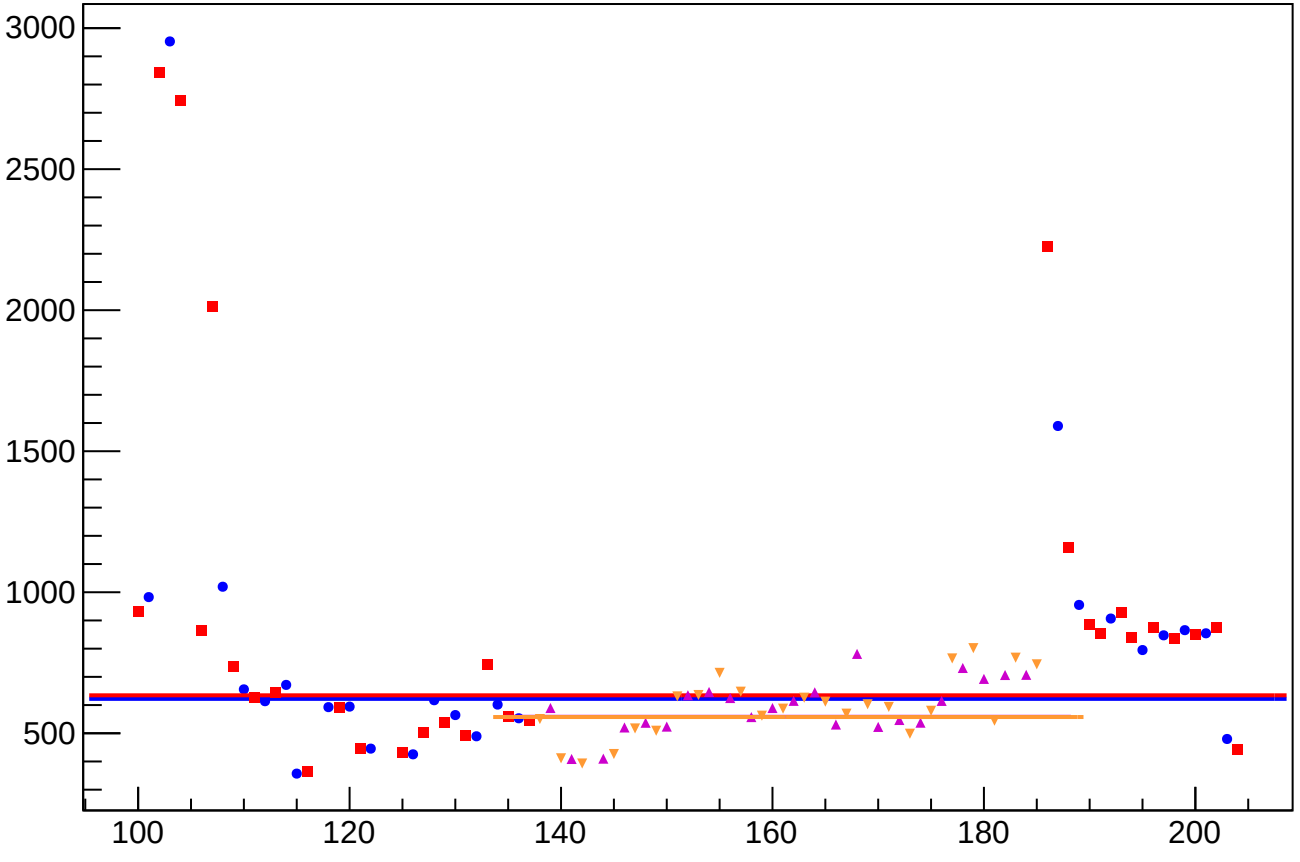
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -500.397+/-106.847 χ^2/NDF: 94.6/47

All: -313.456+/-75.268 χ^2/NDF: 146.4/99

- sign -129.298+/-106.049 χ^2/NDF: 45.7/51

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 622.004+/-0.129 χ^2/NDF: 2664261.2/23

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 634.585+/-0.125 χ^2/NDF: 4382735.1/28

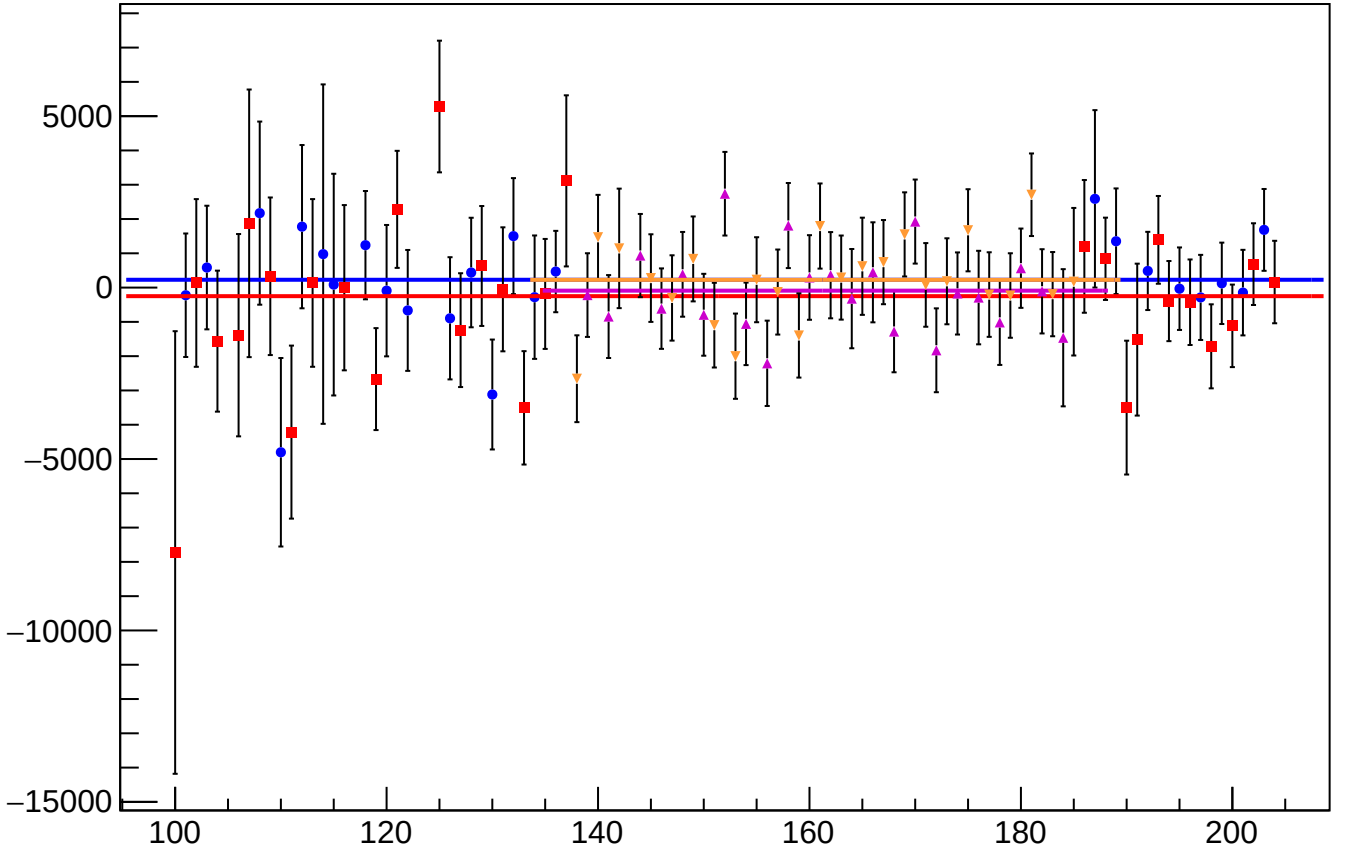
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 579.808+/-0.076 χ^2/NDF: 4021763.3/47

All: 582.833+/-0.053 χ^2/NDF: 9673316.0/99

- sign 585.813+/-0.075 χ^2/NDF: 5648371.3/51

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 228.196+/-326.249 χ^2/NDF: 13.8/23

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -249.912+/-309.542 χ^2/NDF: 33.1/28

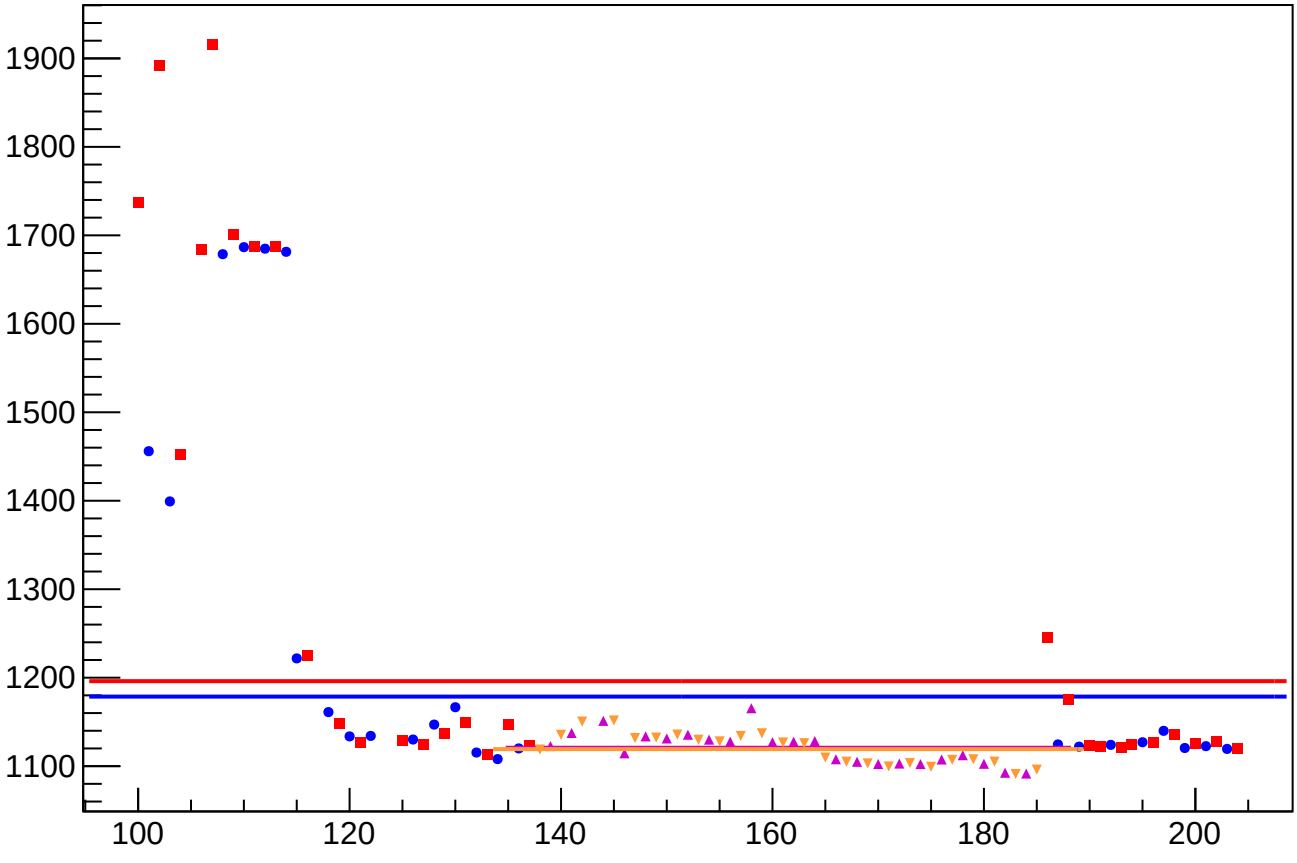
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 226.645+/-203.248 χ^2/NDF: 36.0/47

All: 32.040+/-142.503 χ^2/NDF: 91.6/99

- sign -156.124+/-199.856 χ^2/NDF: 53.8/51

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1178.605+/-0.231 χ^2/NDF: 370508.2/23

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

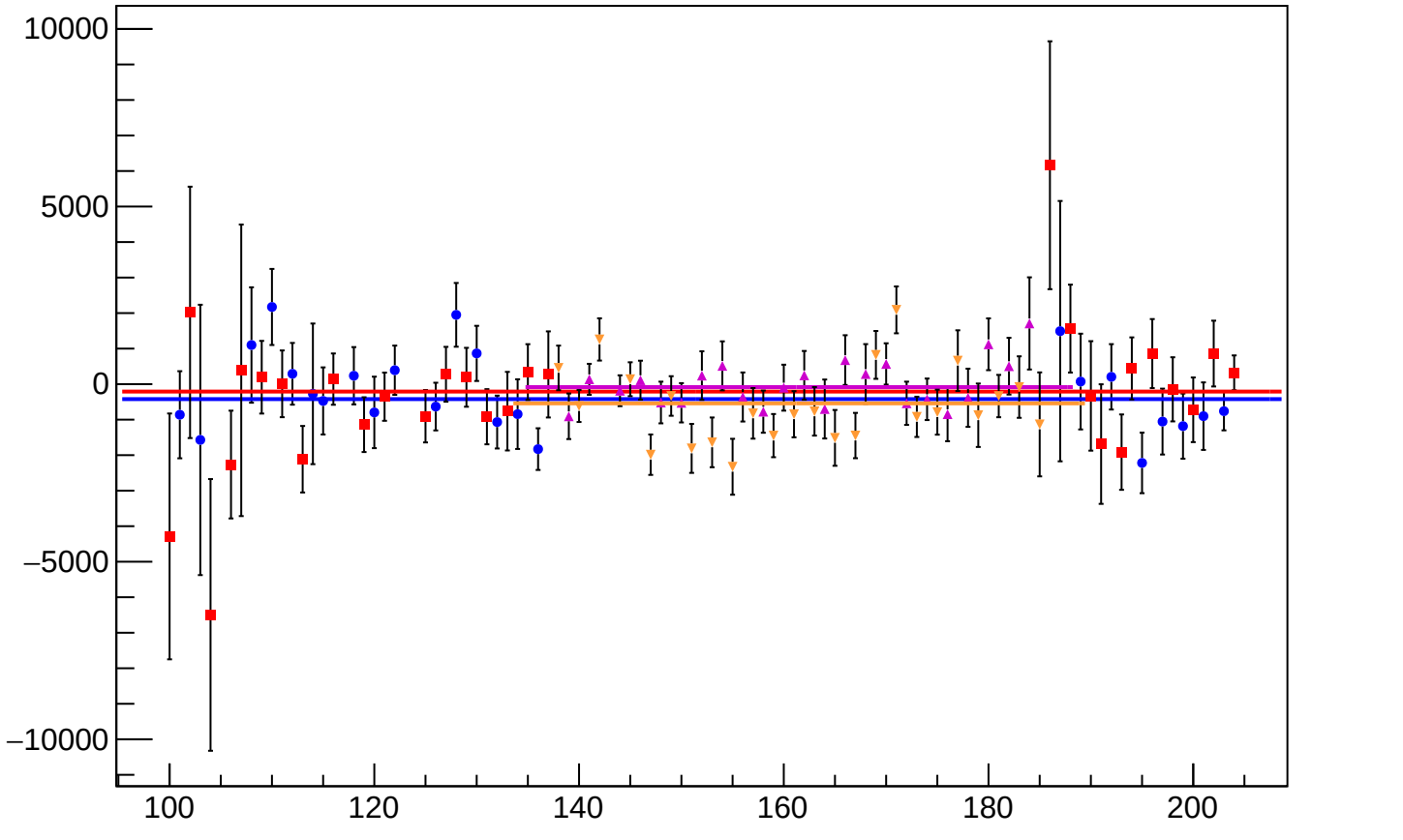
Right Out: 1196.067+/-0.219 χ^2/NDF: 661174.5/28

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1142.291+/-0.144 χ^2/NDF: 419146.5/47

All: 1147.317+/-0.101 χ^2/NDF: 1161107.2/99

- sign 1152.176+/-0.141 χ^2/NDF: 739555.4/51



Right In: -422.155+/-181.931 χ^2/NDF: 33.5/23

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -209.655+/-176.778 χ^2/NDF: 29.0/28

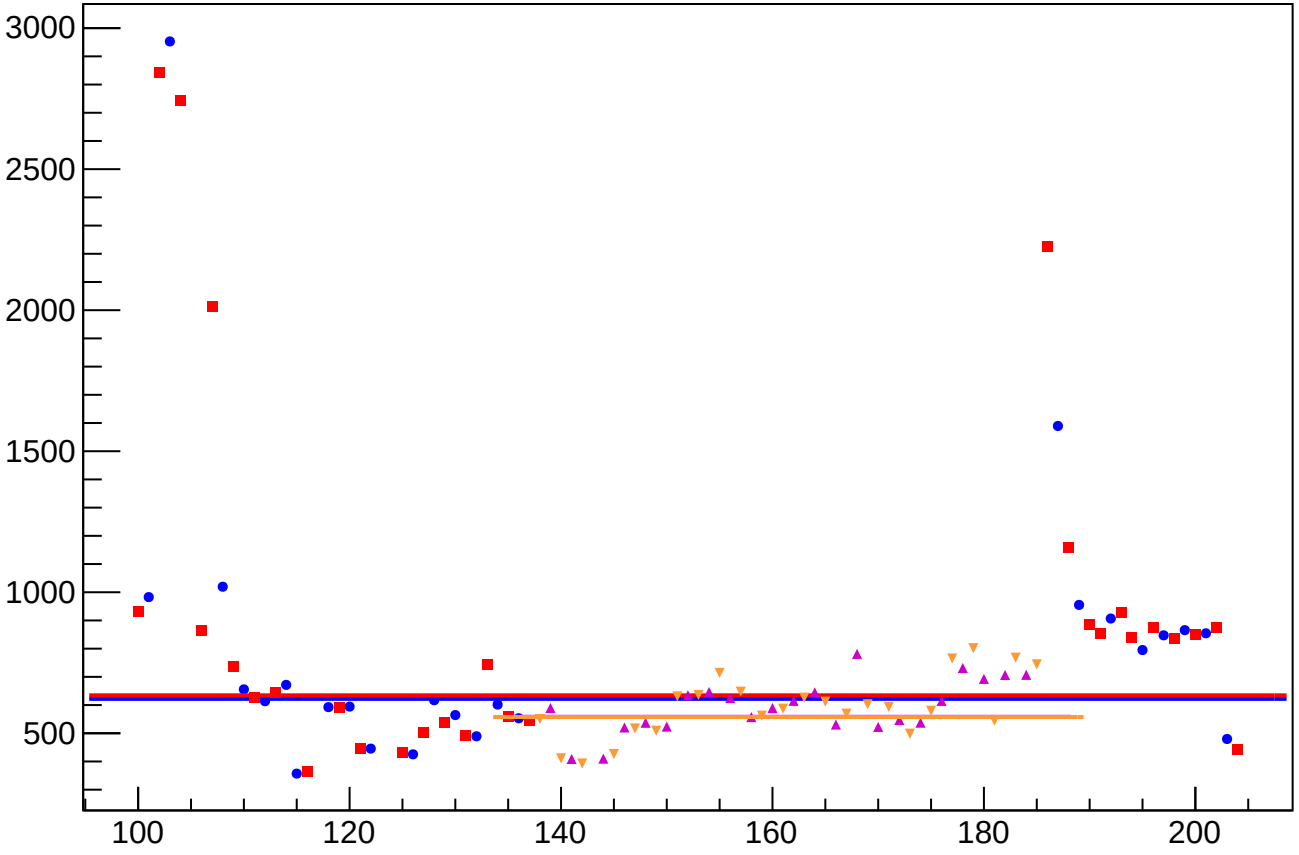
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -500.396+/-106.847 χ^2/NDF: 94.6/47

All: -313.456+/-75.268 χ^2/NDF: 146.4/99

- sign -129.298+/-106.049 χ^2/NDF: 45.7/51

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 622.004+/-0.129 χ^2/NDF: 2664258.0/23

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 634.584+/-0.125 χ^2/NDF: 4382737.3/28

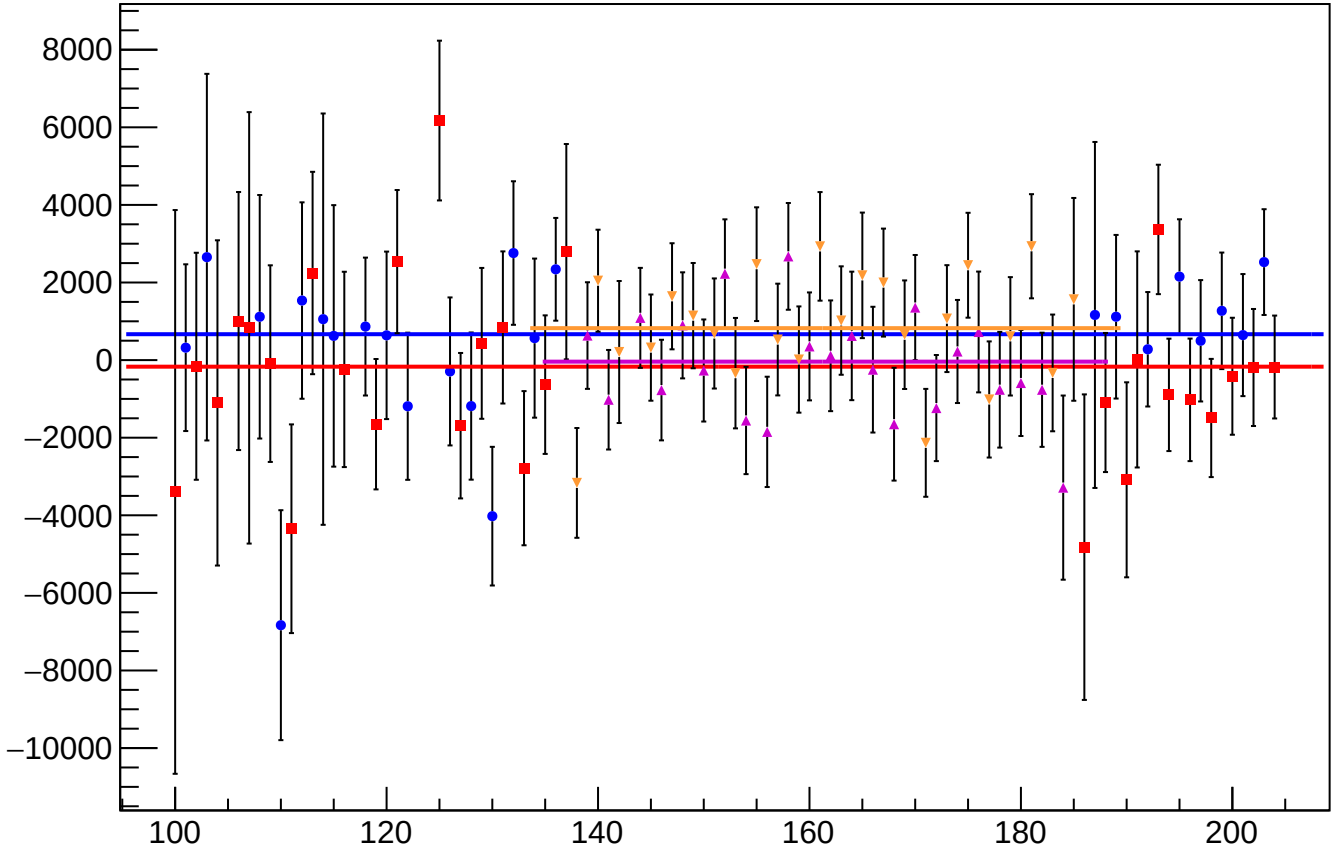
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 579.808+/-0.076 χ^2/NDF: 4021783.6/47

All: 582.833+/-0.053 χ^2/NDF: 9673355.4/99

- sign 585.812+/-0.075 χ^2/NDF: 5648390.2/51

asym_usl_atl1_dd_mean vs Slug



Right In: 667.456+/-391.668 χ^2/NDF: 21.9/23

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -169.484+/-375.739 χ^2/NDF: 28.9/28

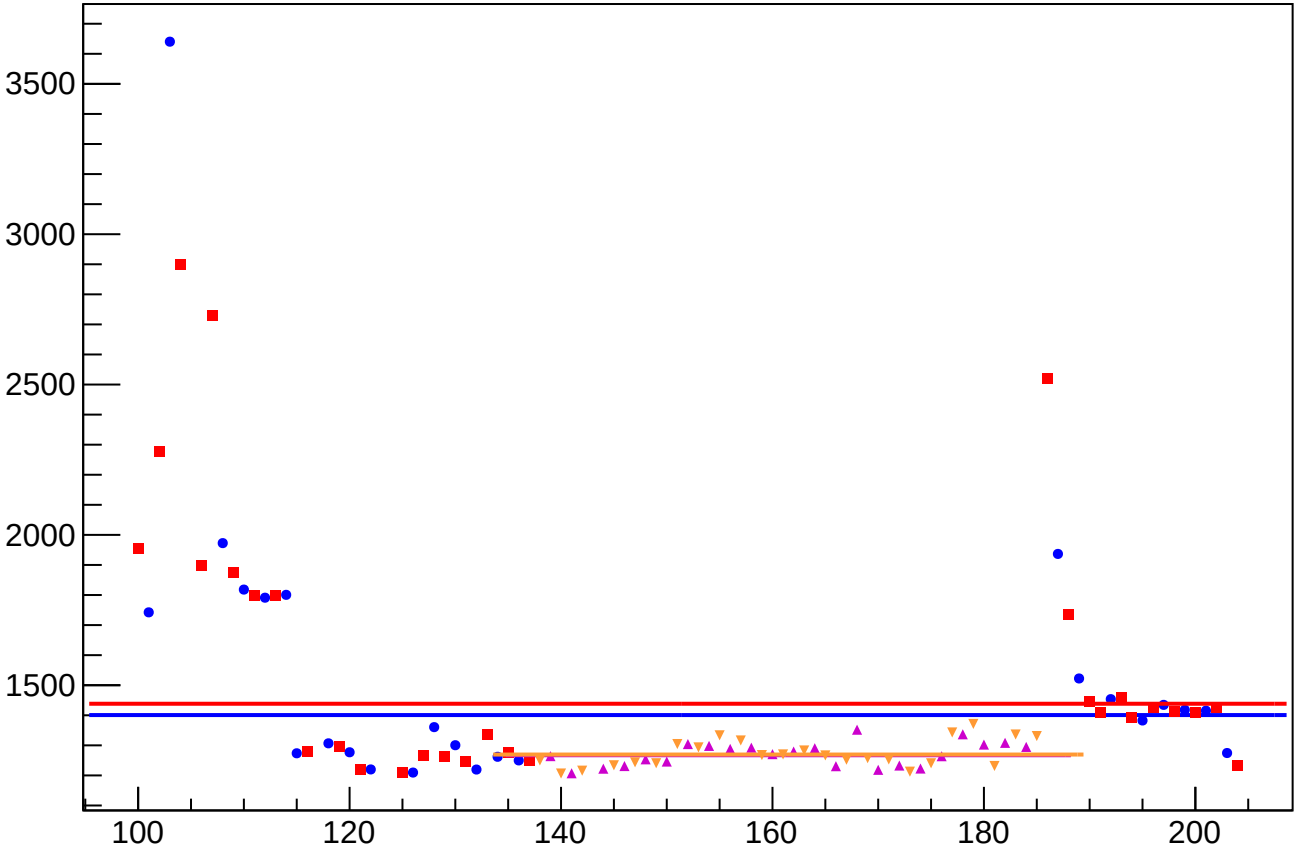
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 766.944+/-235.555 χ^2/NDF: 48.2/47

All: 333.219+/-165.479 χ^2/NDF: 101.7/99

- sign -89.399+/-232.519 χ^2/NDF: 46.8/51

asym_usl_atl1_dd_rms vs Slug



Right In: 1400.743+/-0.277 χ^2/NDF: 836702.3/23

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

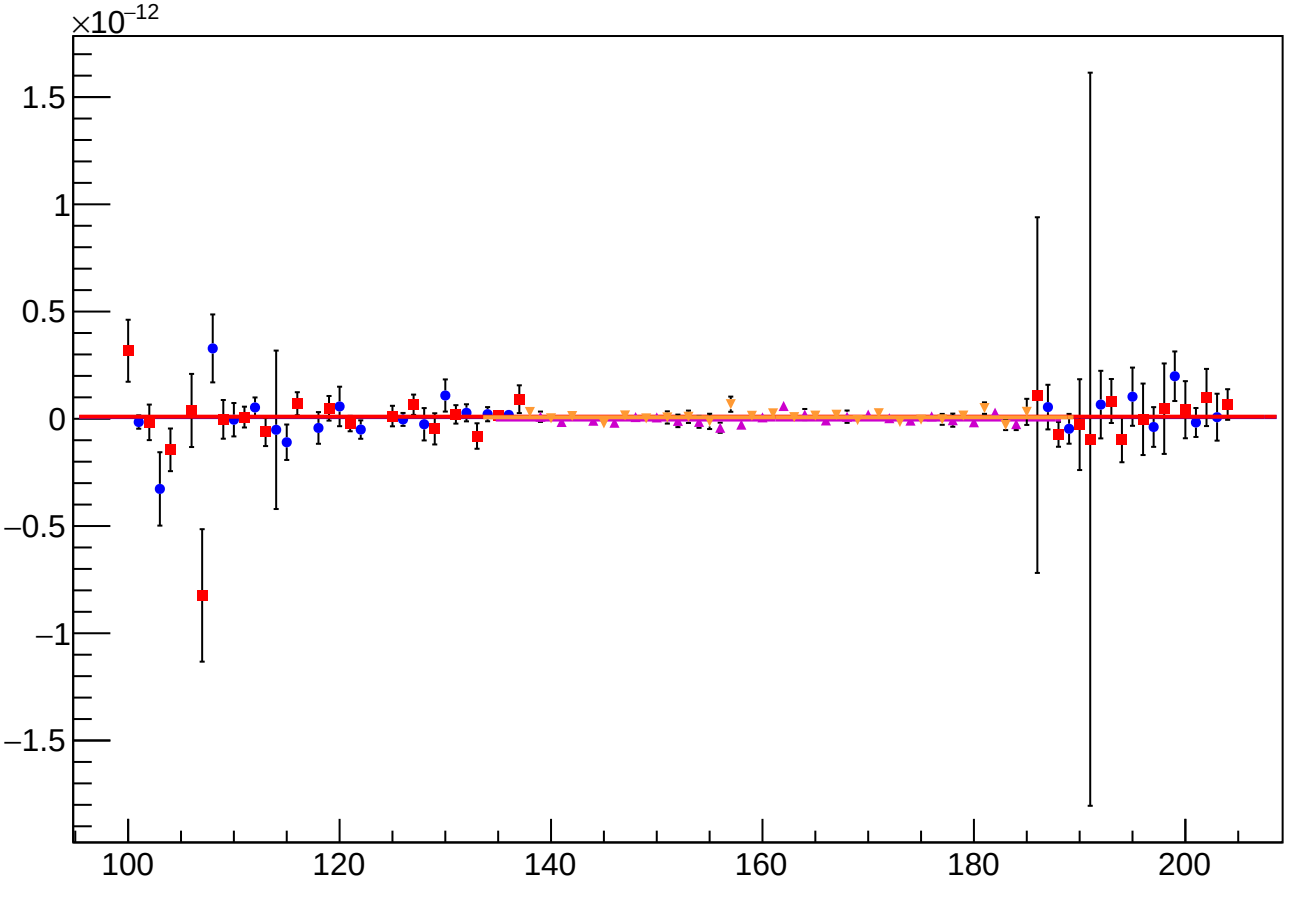
Right Out: 1438.372+/-0.266 χ^2/NDF: 1113771.1/28

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1316.933+/-0.167 χ^2/NDF: 1023213.7/47

All: 1324.902+/-0.117 χ^2/NDF: 2432572.3/99

- sign 1332.668+/-0.164 χ^2/NDF: 1404838.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

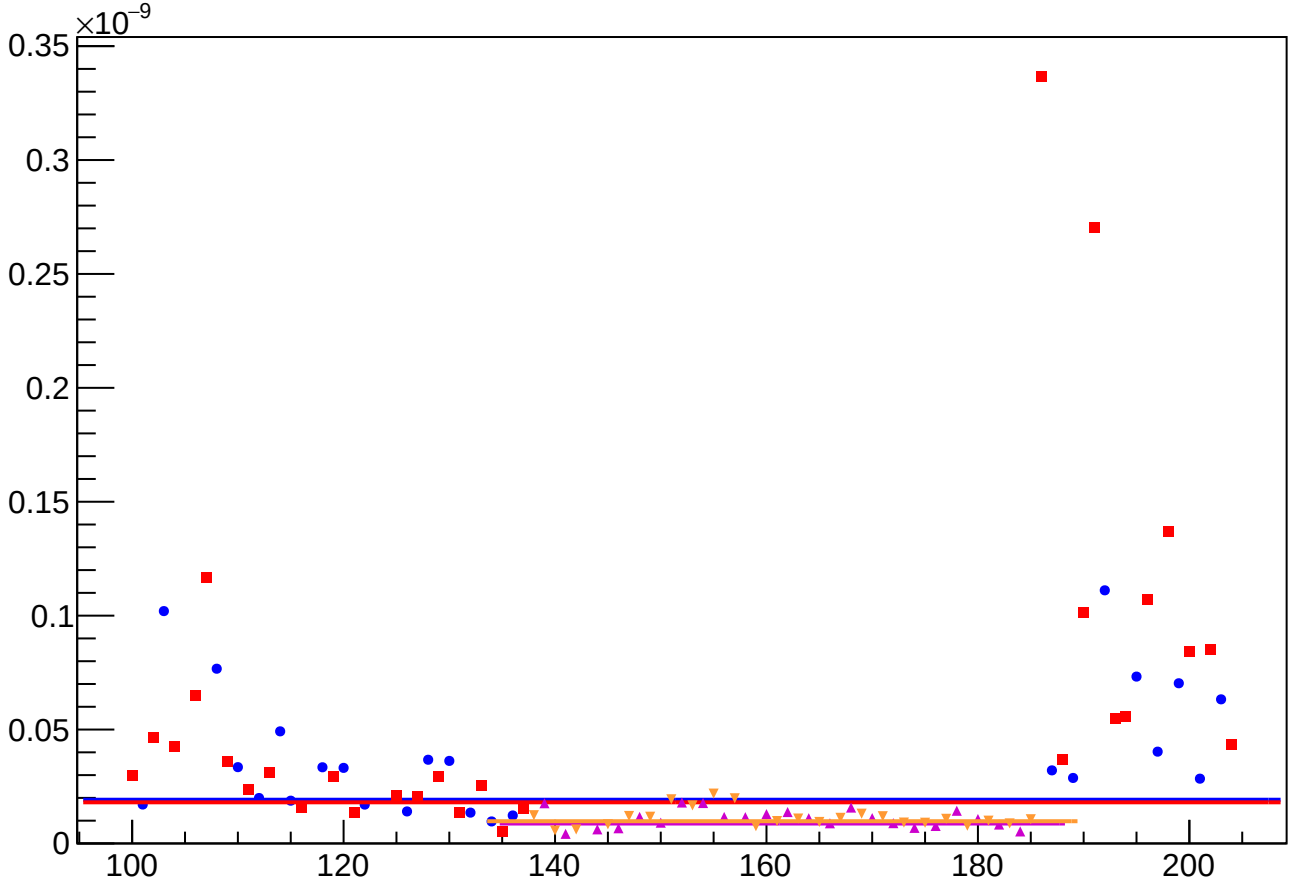
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/28

Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.2/47

All: 0.000+/-0.000 χ^2/NDF: 97.7/99

- sign -0.000+/-0.000 χ^2/NDF: 53.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 3609211.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6326366.1/28

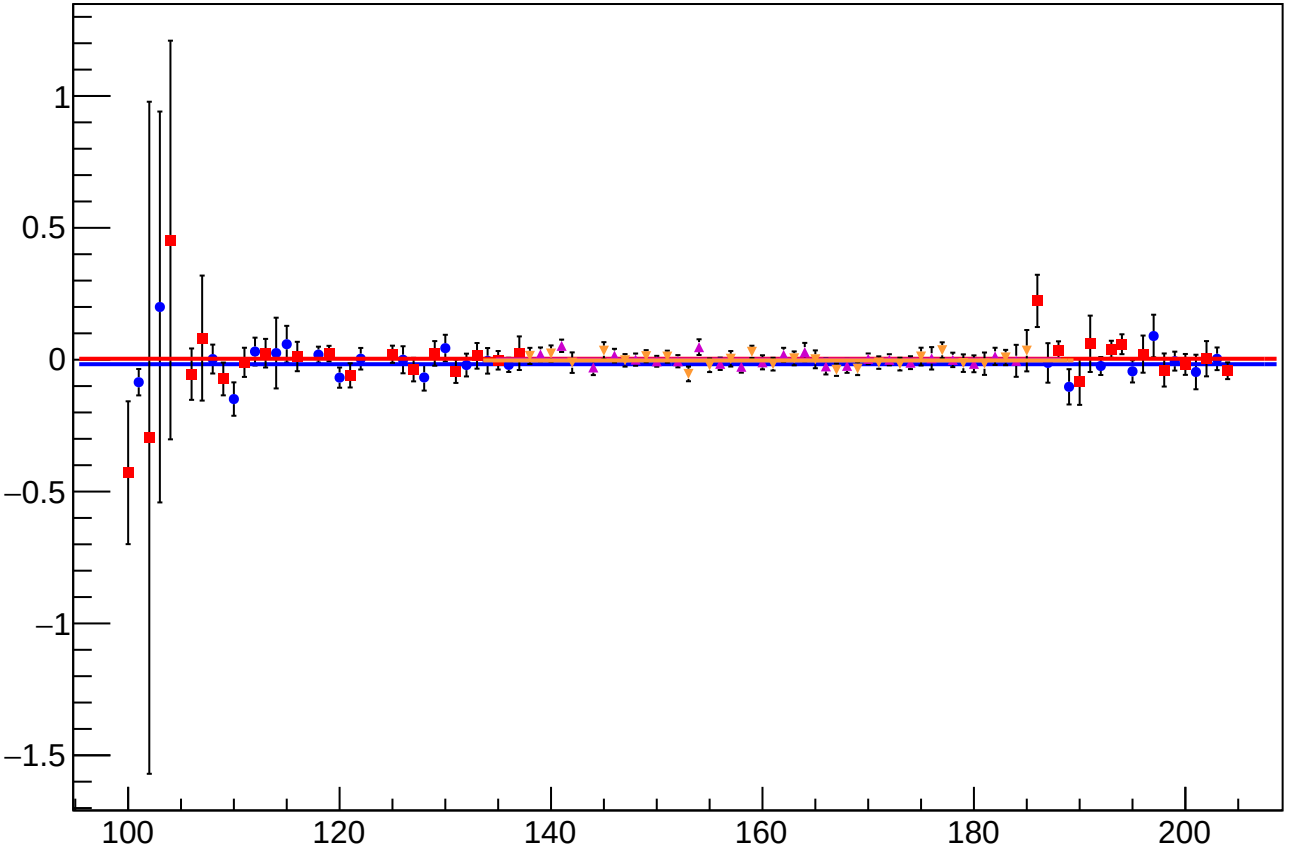
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6433851.3/47

All: 0.000+/-0.000 χ^2/NDF: 16278980.9/99

- sign 0.000+/-0.000 χ^2/NDF: 9748806.9/51

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.010 χ^2/NDF: 19.0/23

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.004+/-0.009 χ^2/NDF: 23.2/28

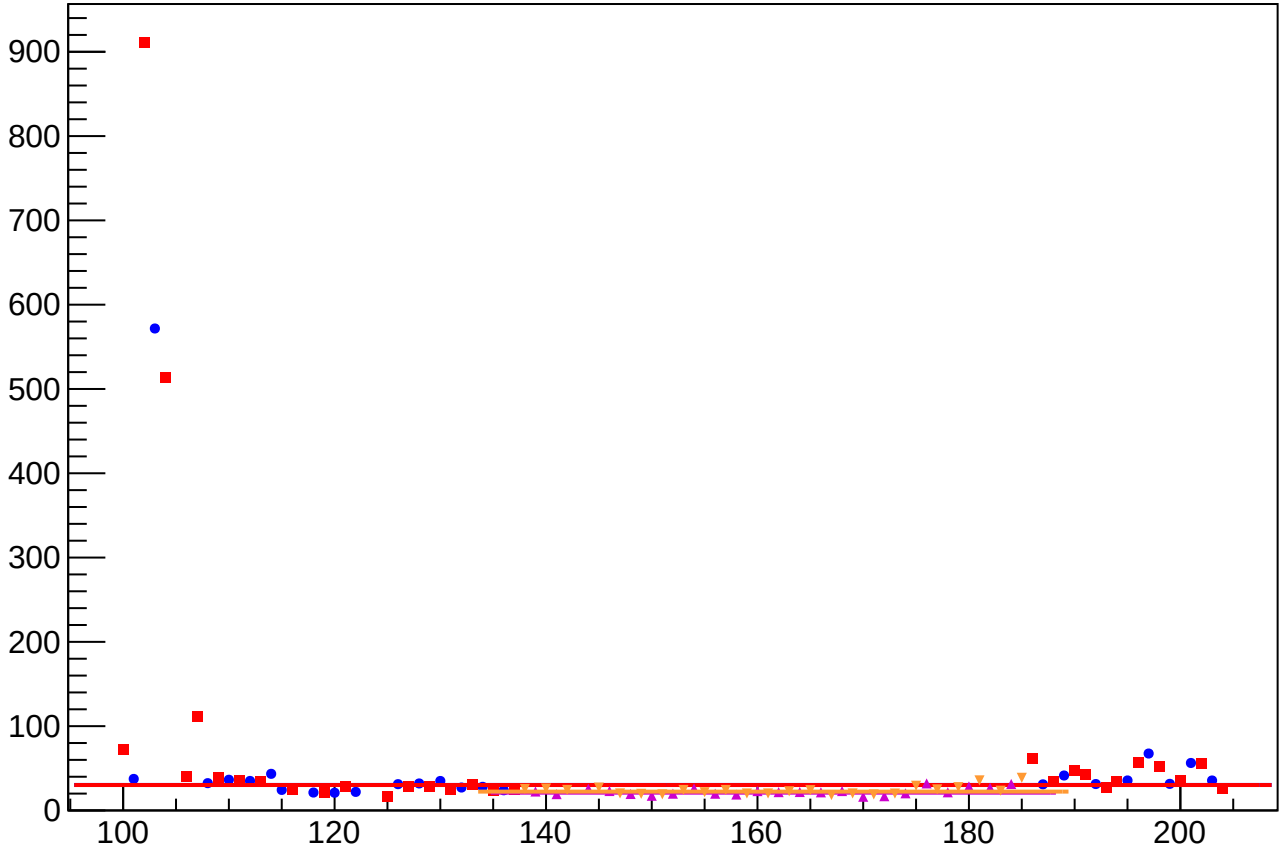
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 37.0/47

All: -0.002+/-0.003 χ^2/NDF: 76.6/99

- sign 0.002+/-0.005 χ^2/NDF: 38.2/51

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.269+/-0.007 χ^2/NDF: 2564639.2/23

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 30.170+/-0.006 χ^2/NDF: 4091617.6/28

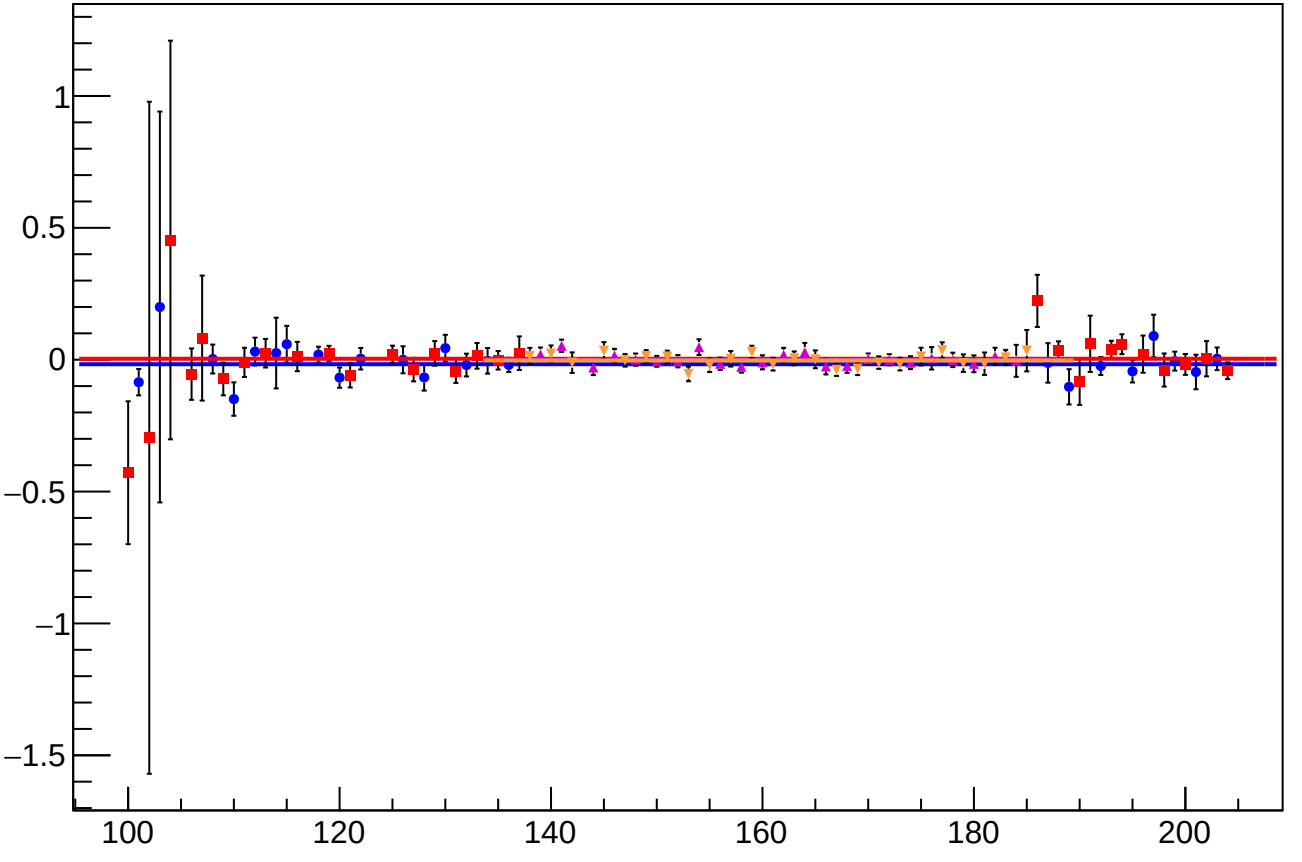
Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.432+/-0.003 χ^2/NDF: 4397985.0/47

All: 23.940+/-0.002 χ^2/NDF: 10797361.5/99

- sign 23.486+/-0.003 χ^2/NDF: 6360395.1/51

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017+/-0.010 χ^2/NDF: 19.0/23

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

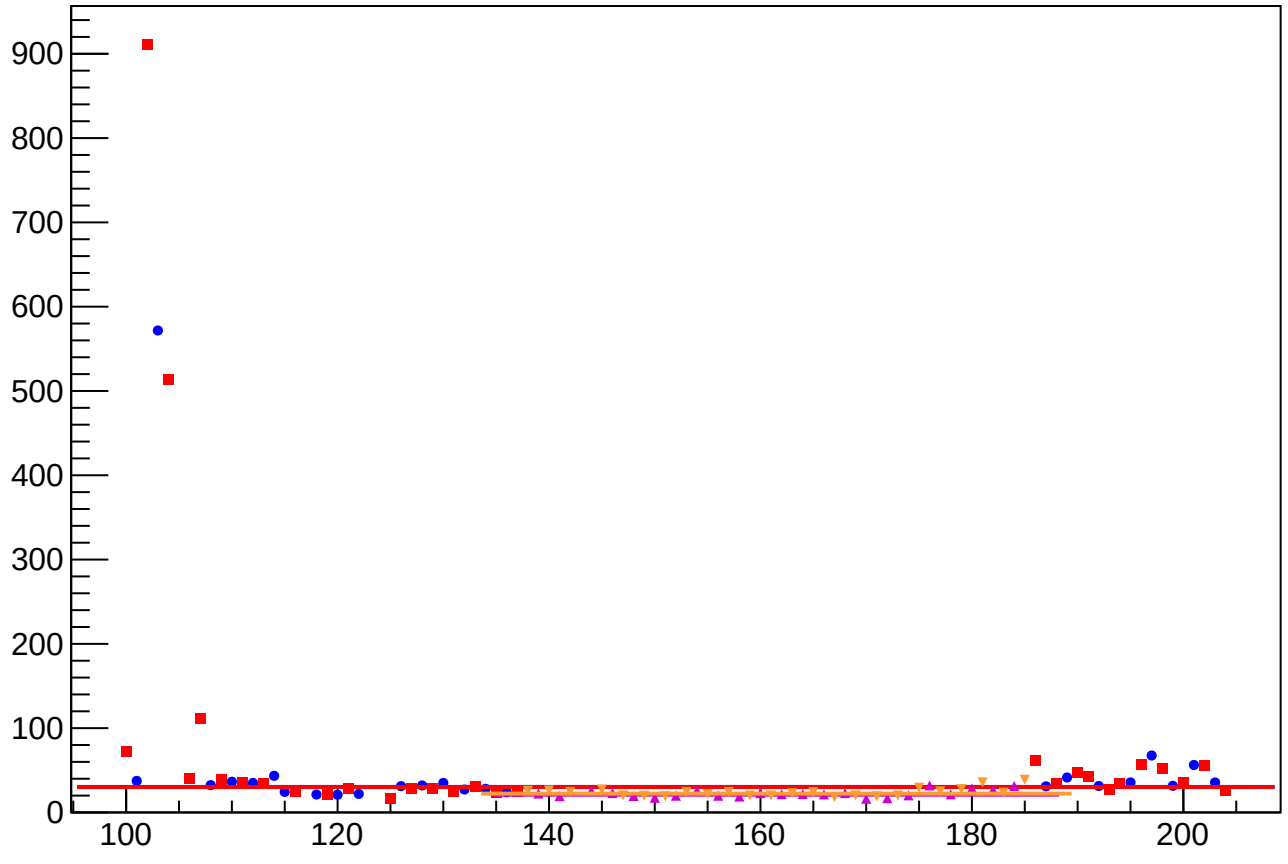
Right Out: 0.004+/-0.009 χ^2/NDF: 23.2/28

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 37.0/47

All: -0.002+/-0.003 χ^2/NDF: 76.6/99

- sign 0.002+/-0.005 χ^2/NDF: 38.2/51



Right In: 30.269+/-0.007 χ^2/NDF: 2564639.2/23

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

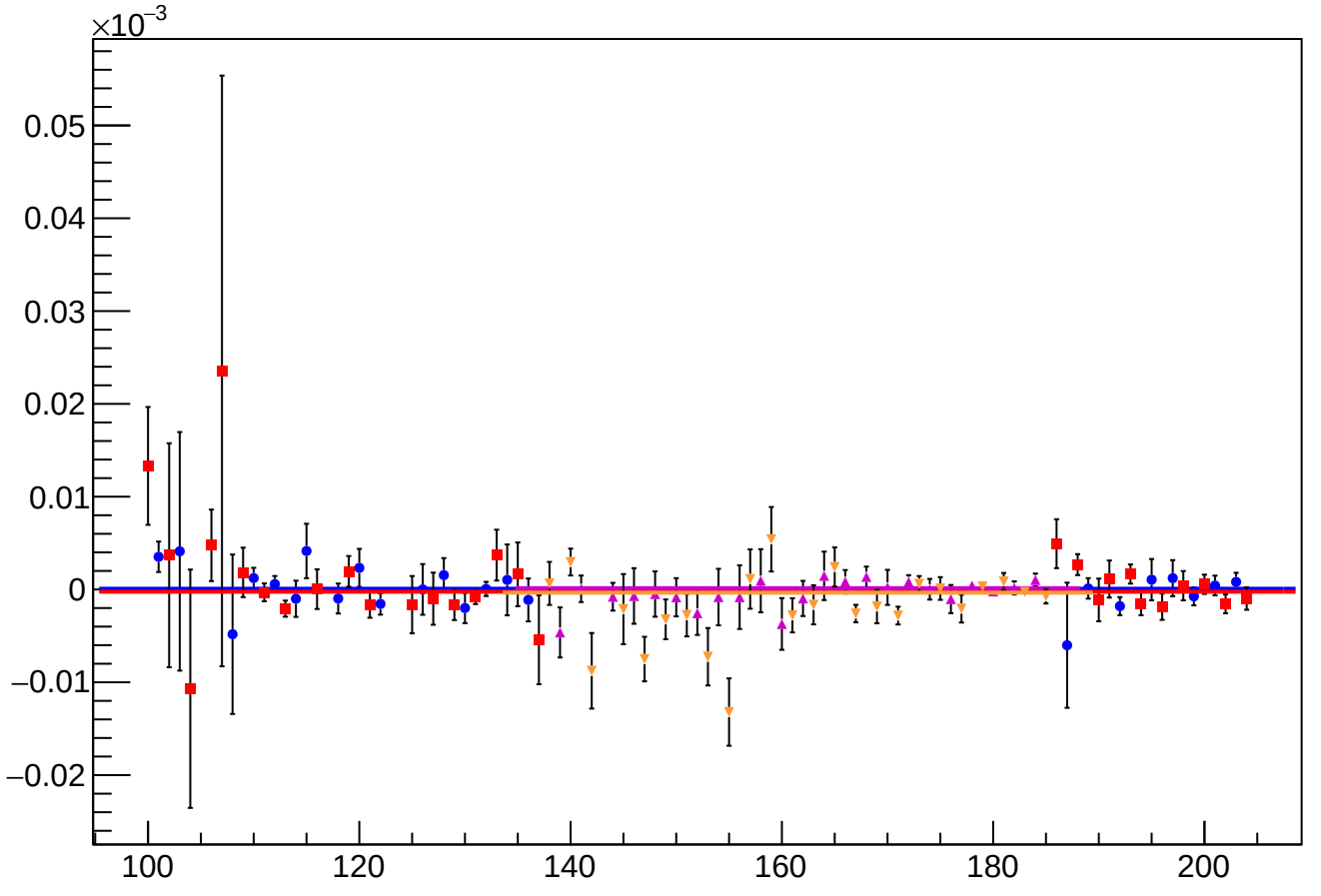
Right Out: 30.170+/-0.006 χ^2/NDF: 4091617.6/28

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.432+/-0.003 χ^2/NDF: 4397985.0/47

All: 23.940+/-0.002 χ^2/NDF: 10797361.5/99

- sign 23.486+/-0.003 χ^2/NDF: 6360395.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 40.1/28

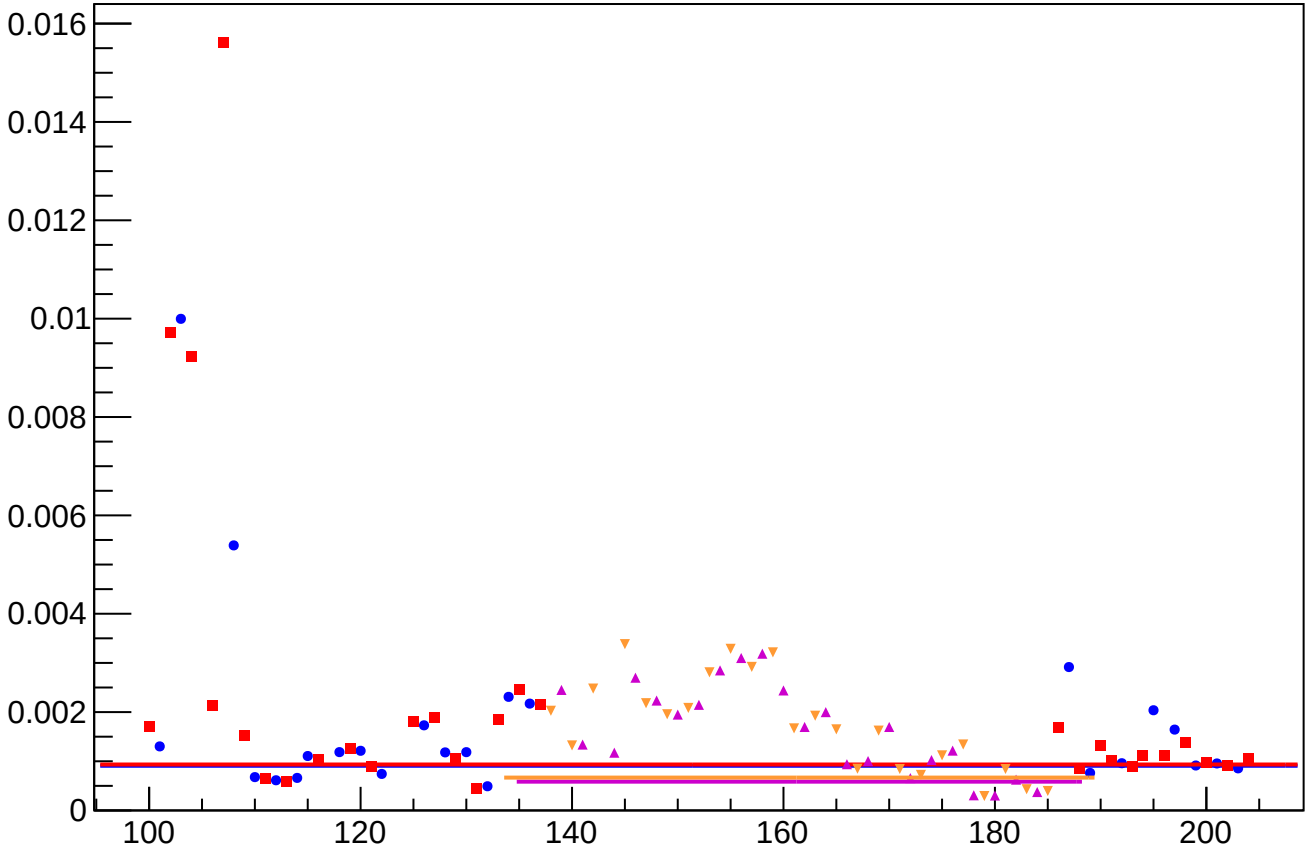
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 90.7/47

All: -0.000+/-0.000 χ^2/NDF: 147.2/99

- sign 0.000+/-0.000 χ^2/NDF: 55.6/51

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4934367.9/23

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5638352.7/28

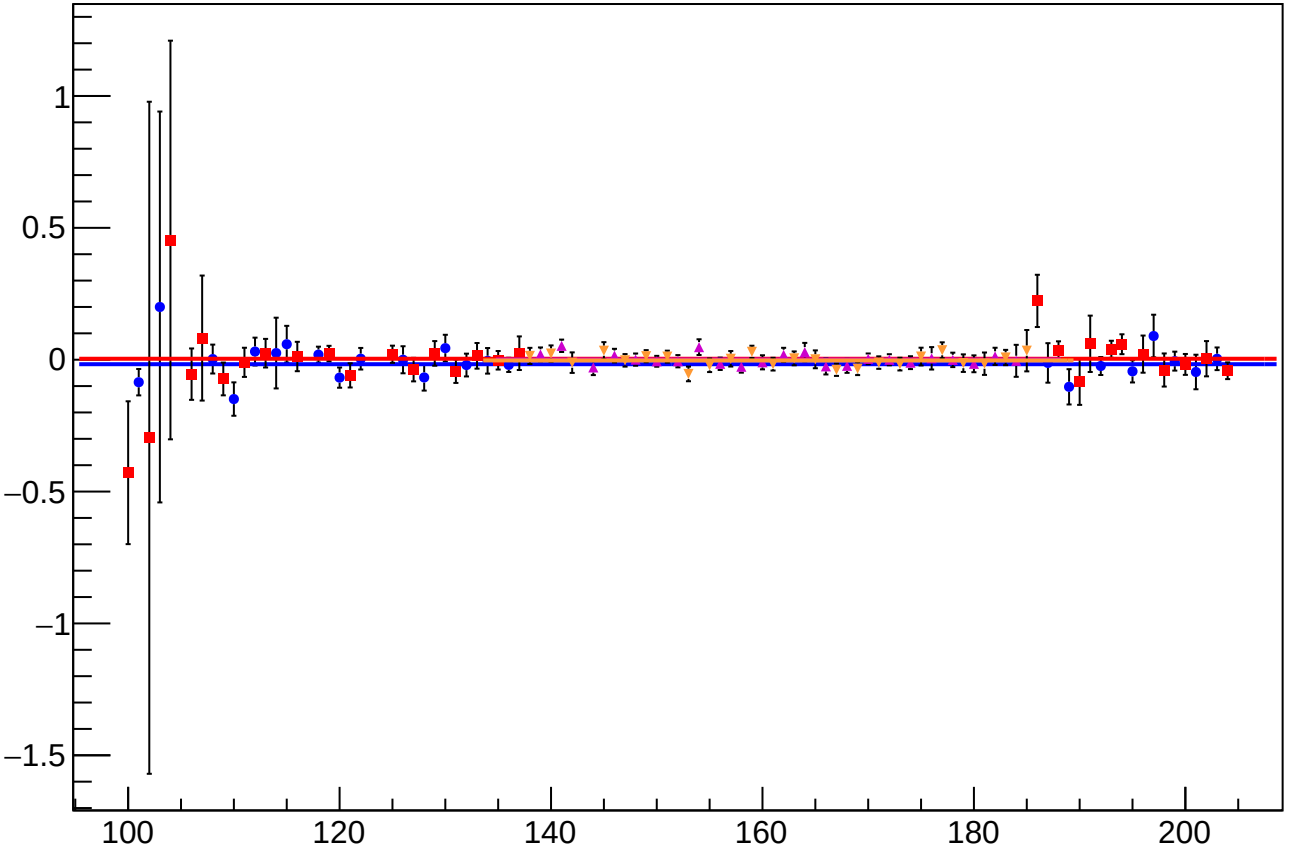
Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 21253342.2/47

All: 0.001+/-0.000 χ^2/NDF: 44811907.0/99

- sign 0.001+/-0.000 χ^2/NDF: 23430794.9/51

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.010 χ^2/NDF: 19.0/23

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

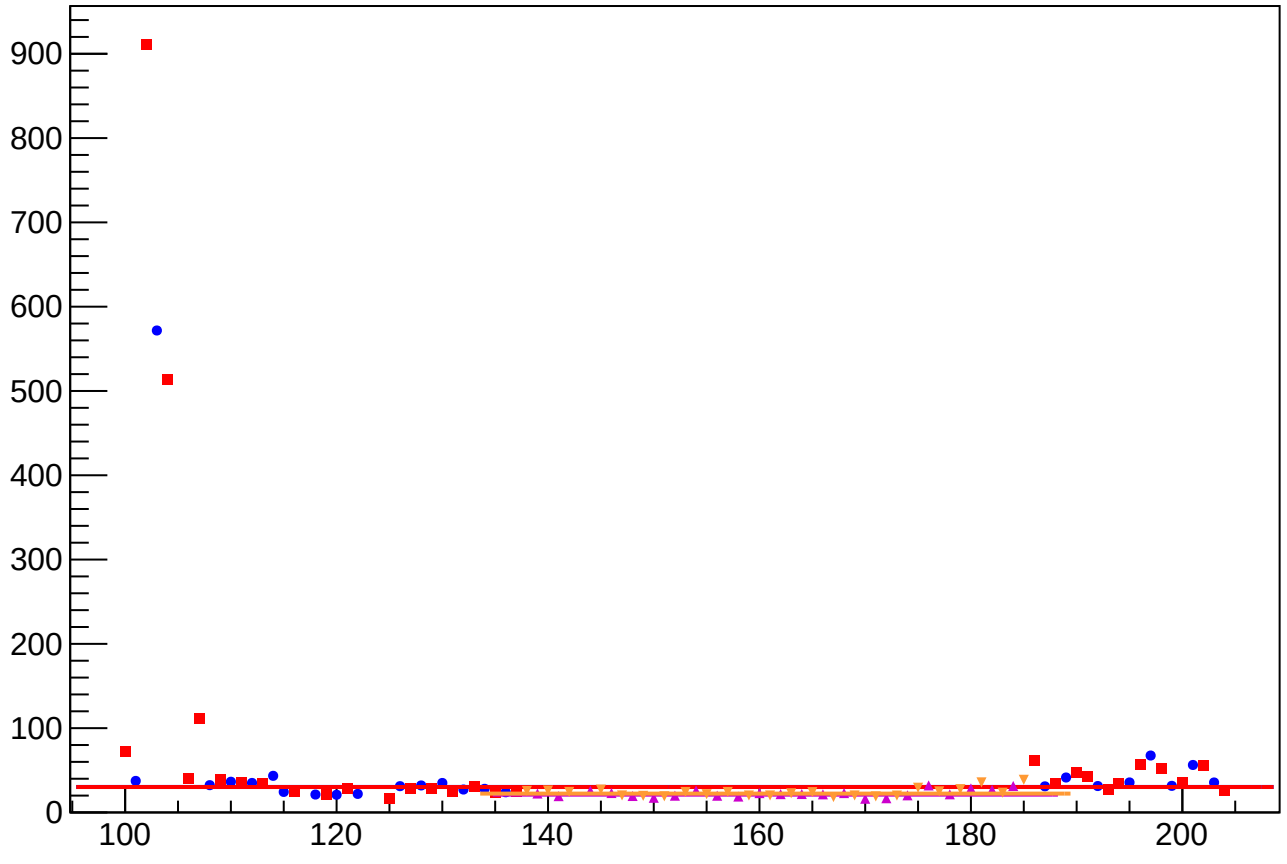
Right Out: 0.004+/-0.009 χ^2/NDF: 23.2/28

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 37.0/47

All: -0.002+/-0.003 χ^2/NDF: 76.6/99

- sign 0.002+/-0.005 χ^2/NDF: 38.2/51



Right In: 30.269+/-0.007 χ^2/NDF: 2564658.1/23

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

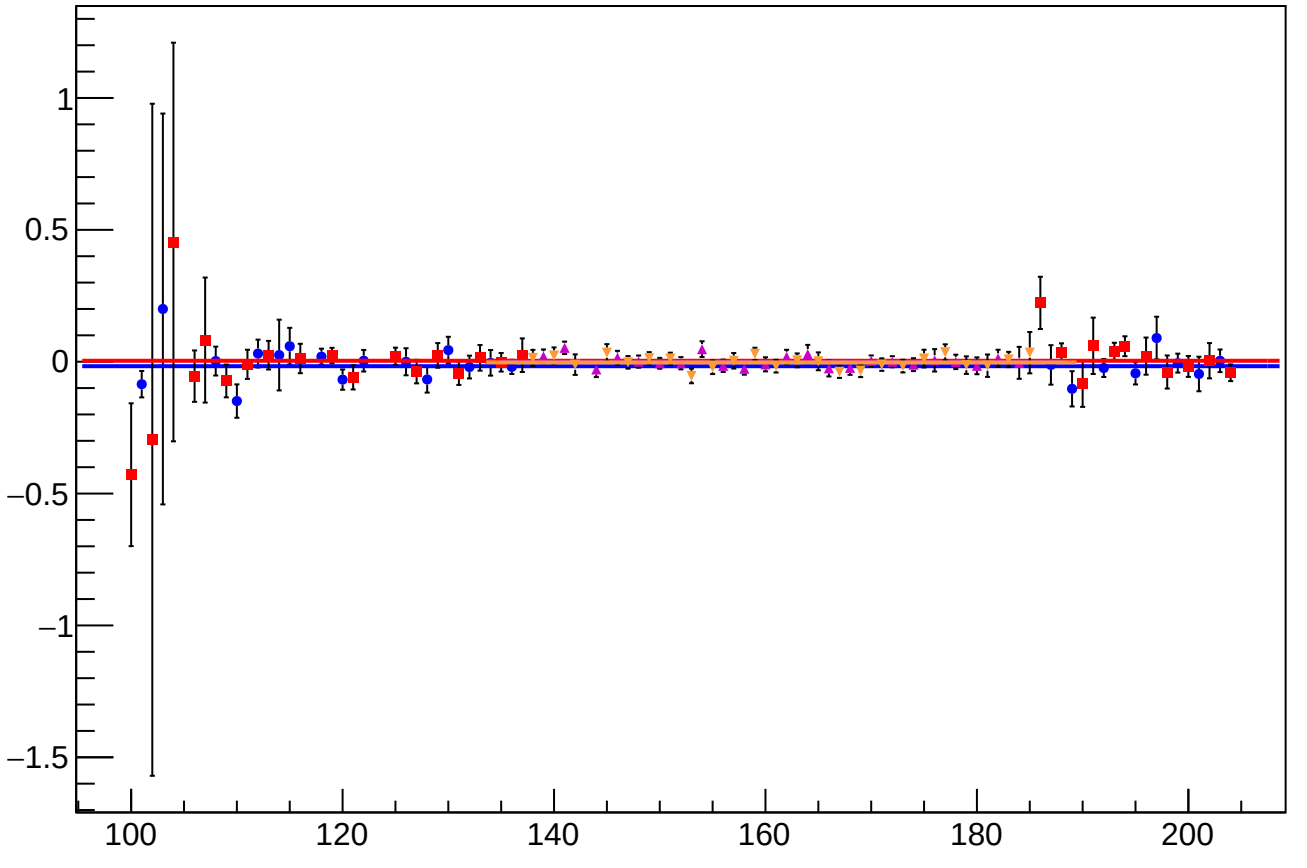
Right Out: 30.170+/-0.006 χ^2/NDF: 4091634.7/28

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.432+/-0.003 χ^2/NDF: 4397989.1/47

All: 23.940+/-0.002 χ^2/NDF: 10797410.5/99

- sign 23.486+/-0.003 χ^2/NDF: 6360441.8/51



Right In: -0.017+/-0.010 χ^2/NDF: 19.0/23

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

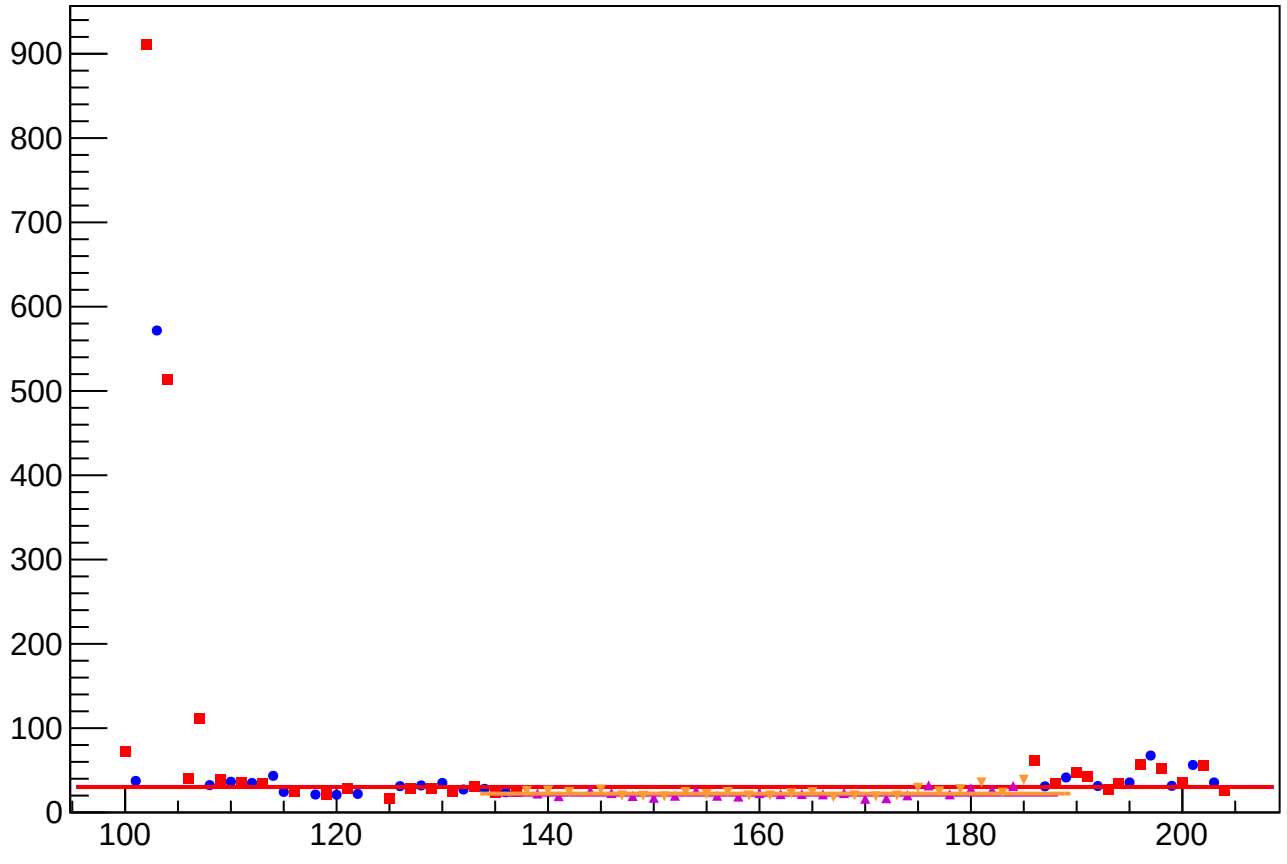
Right Out: 0.004+/-0.009 χ^2/NDF: 23.2/28

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 37.0/47

All: -0.002+/-0.003 χ^2/NDF: 76.6/99

- sign 0.002+/-0.005 χ^2/NDF: 38.2/51



Right In: 30.269+/-0.007 χ^2/NDF: 2564658.1/23

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

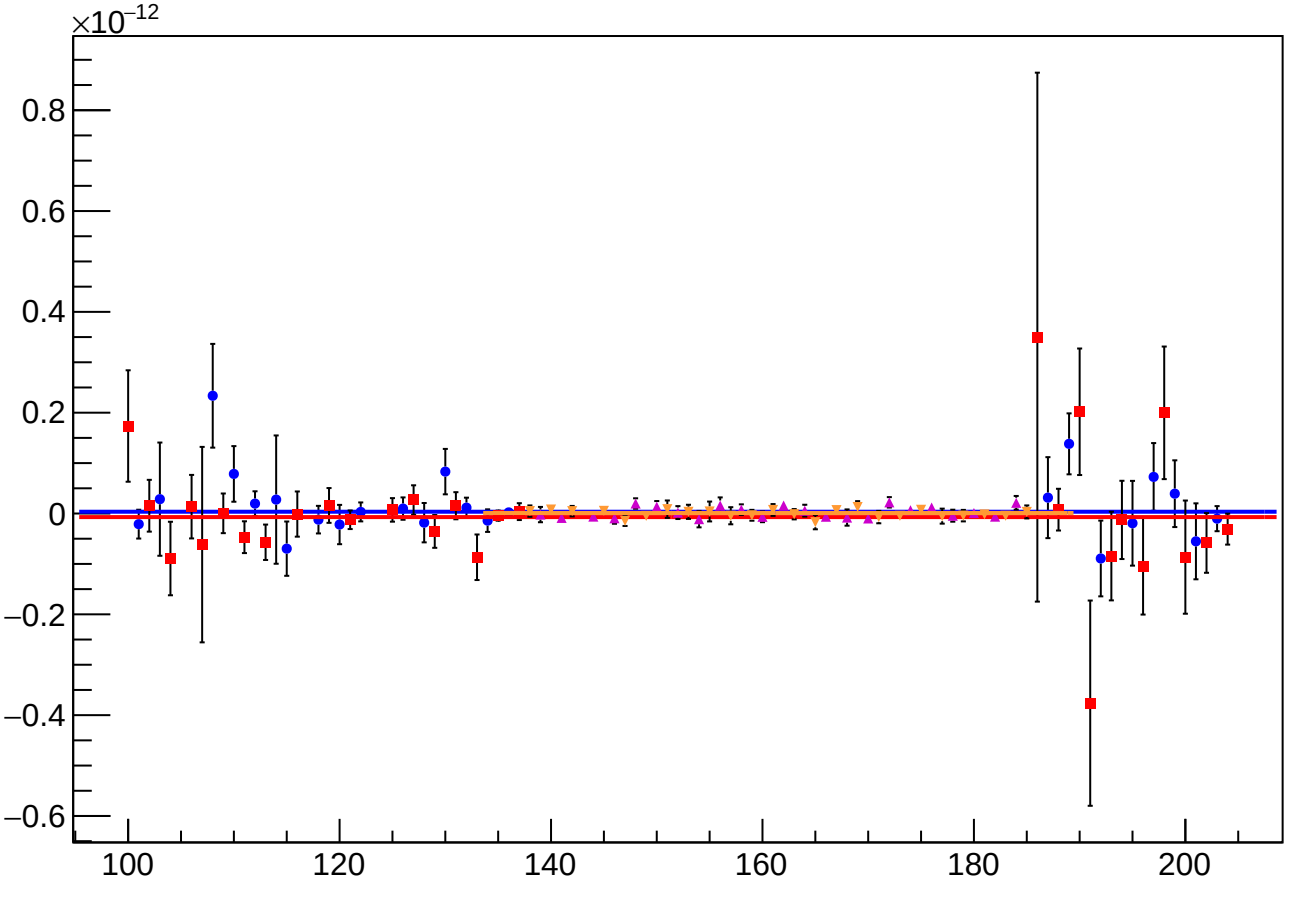
Right Out: 30.170+/-0.006 χ^2/NDF: 4091634.7/28

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.432+/-0.003 χ^2/NDF: 4397989.1/47

All: 23.940+/-0.002 χ^2/NDF: 10797410.5/99

- sign 23.486+/-0.003 χ^2/NDF: 6360441.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

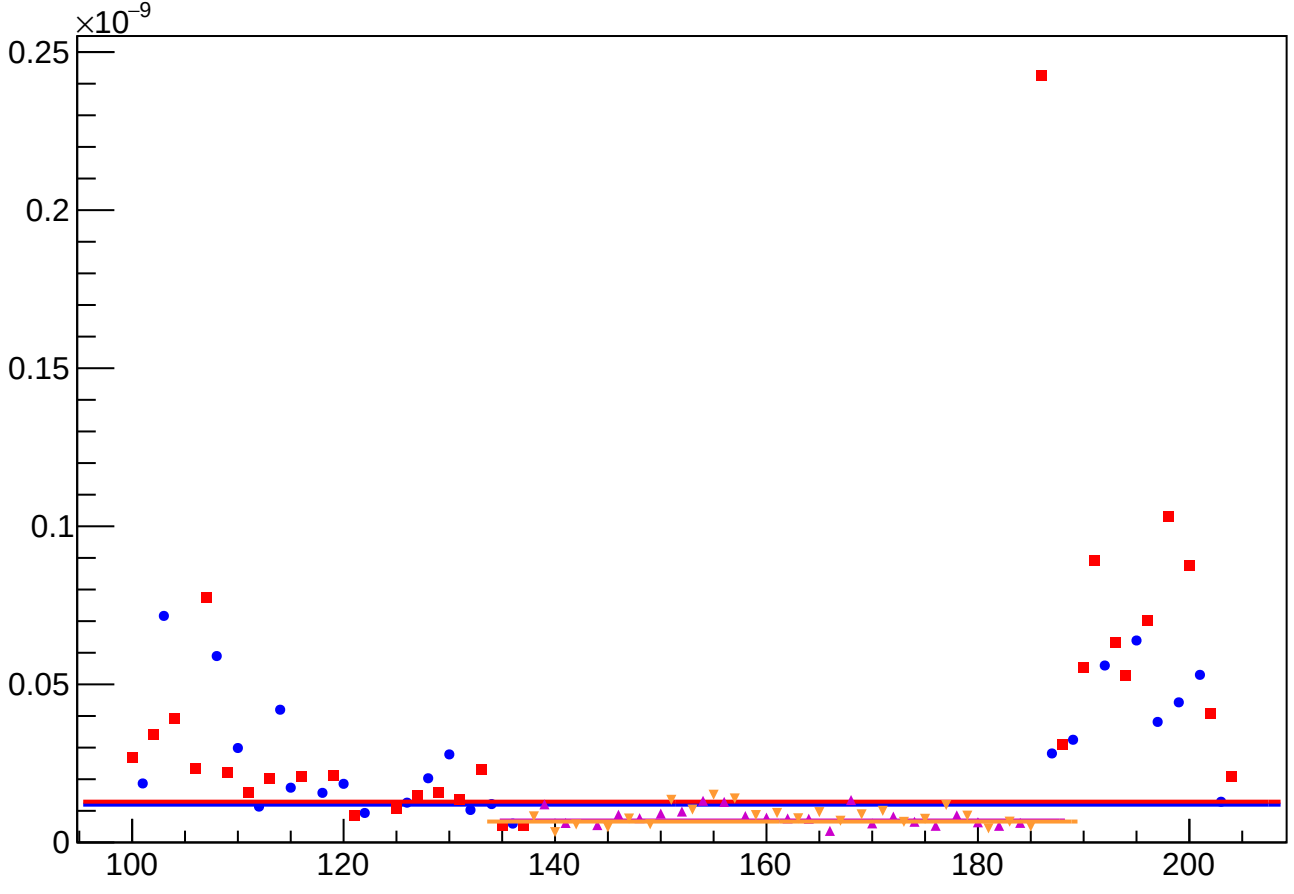
Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/28

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.7/47

All: 0.000+/-0.000 χ^2/NDF: 91.6/99

- sign 0.000+/-0.000 χ^2/NDF: 55.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 6069401.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8640266.7/28

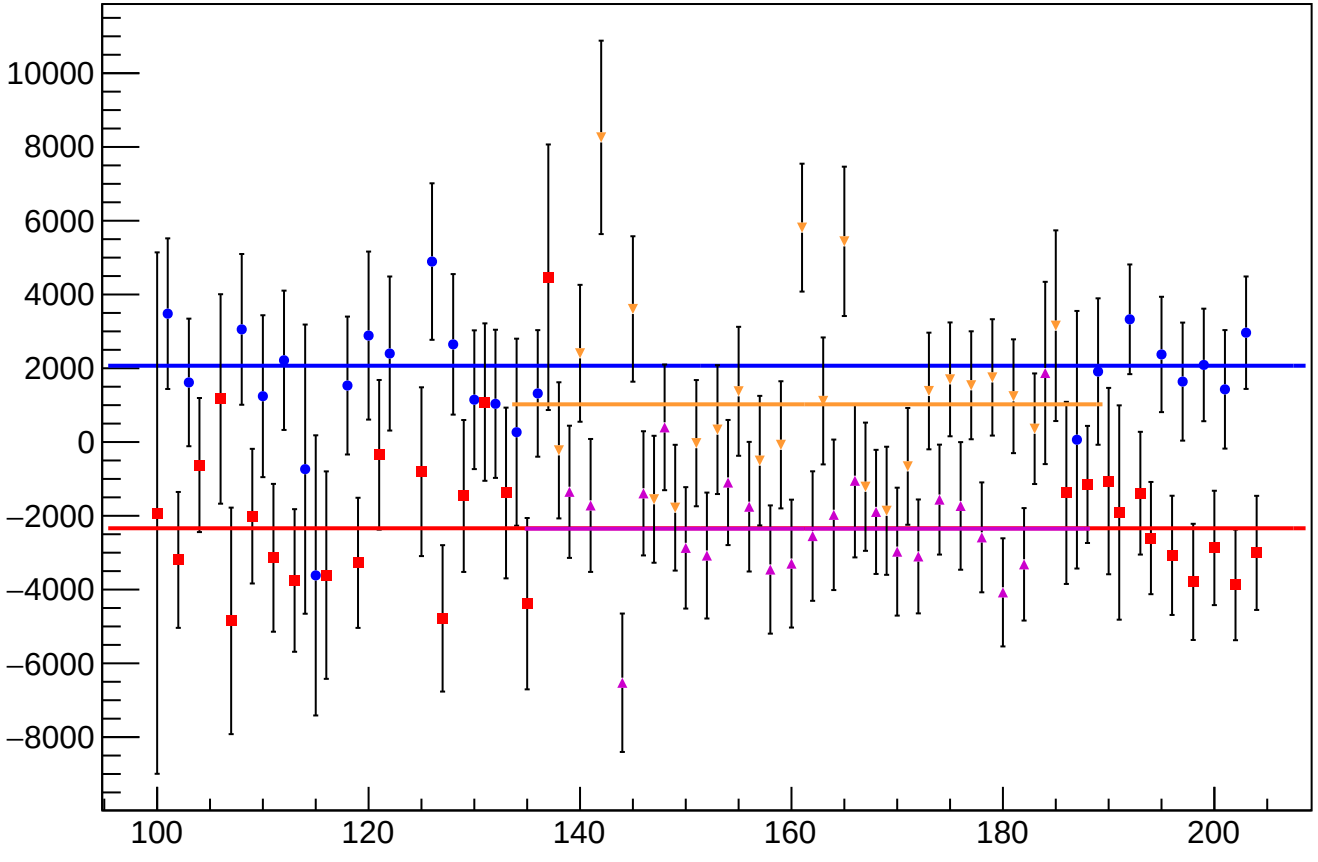
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 11207894.6/47

All: 0.000+/-0.000 χ^2/NDF: 24071837.3/99

- sign 0.000+/-0.000 χ^2/NDF: 12827837.6/51

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2068.692+/-392.156 χ^2/NDF: 8.6/23

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2337.998+/-367.670 χ^2/NDF: 18.5/28

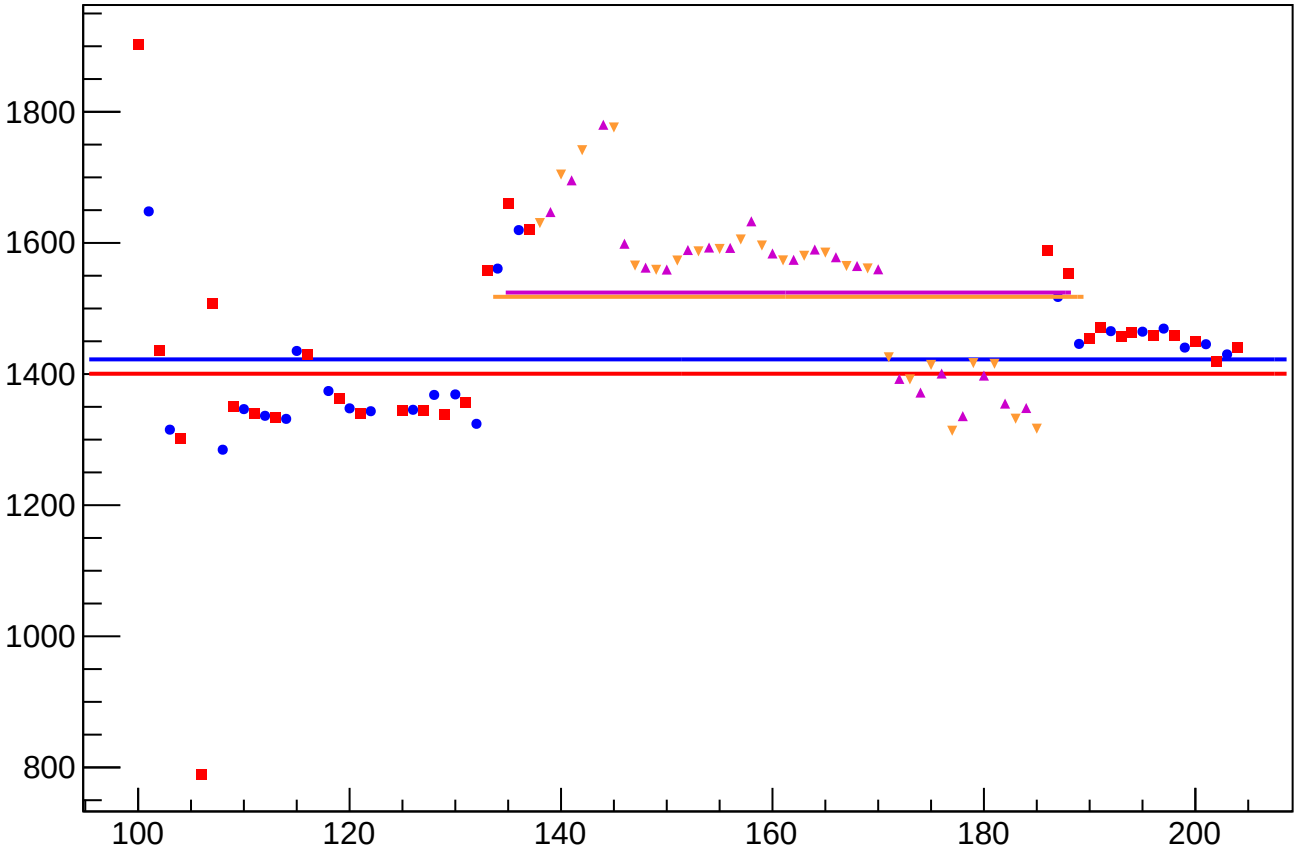
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1491.502+/-262.551 χ^2/NDF: 49.0/47

All: -473.440+/-183.347 χ^2/NDF: 192.8/99

- sign -2343.757+/-256.151 χ^2/NDF: 34.4/51

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1422.389+/-0.277 χ^2/NDF: 105601.2/23

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1400.500+/-0.256 χ^2/NDF: 395648.8/28

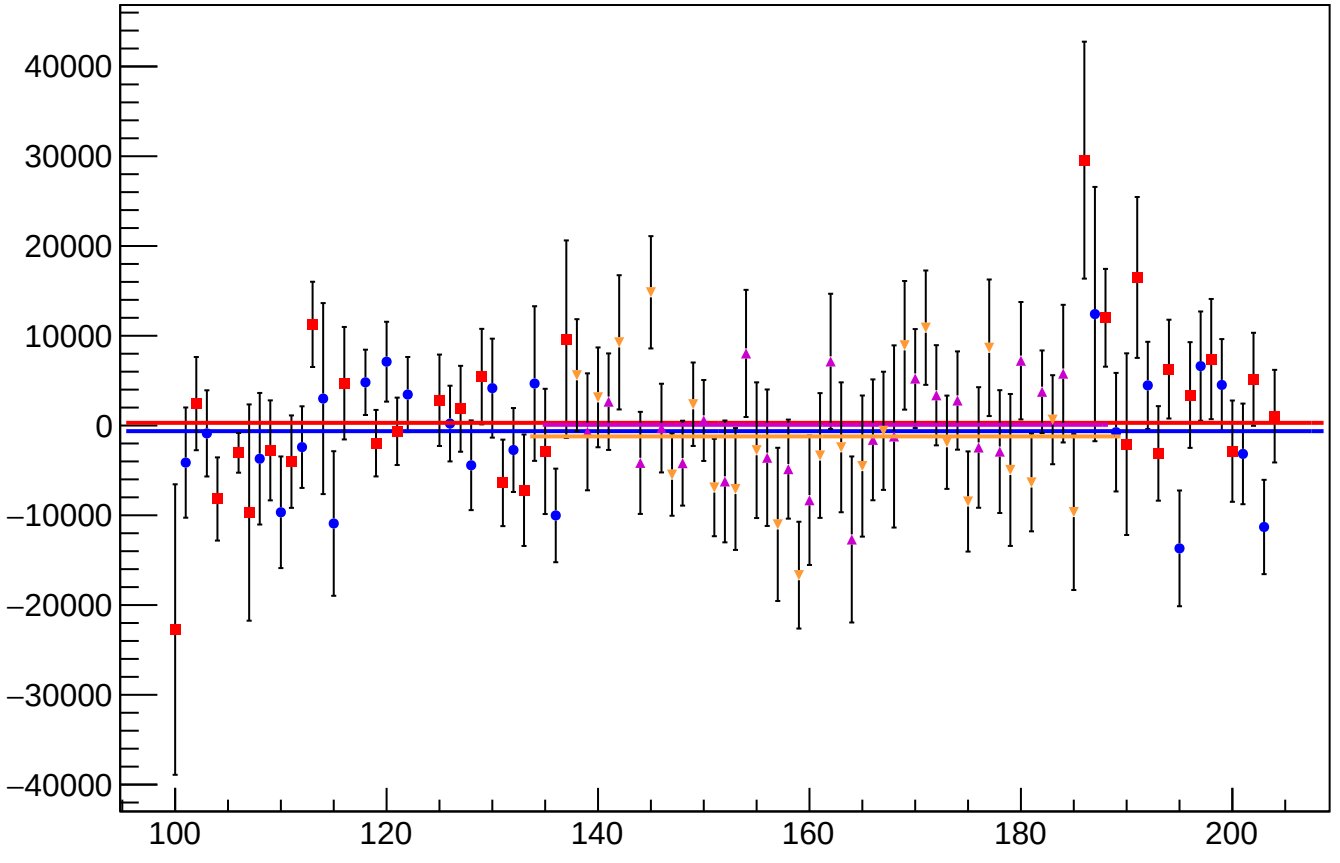
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1475.042+/-0.186 χ^2/NDF: 404901.4/47

All: 1468.937+/-0.129 χ^2/NDF: 1145629.2/99

- sign 1463.217+/-0.180 χ^2/NDF: 738633.4/51

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -626.250+/-1102.166 χ^2/NDF: 28.7/23

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

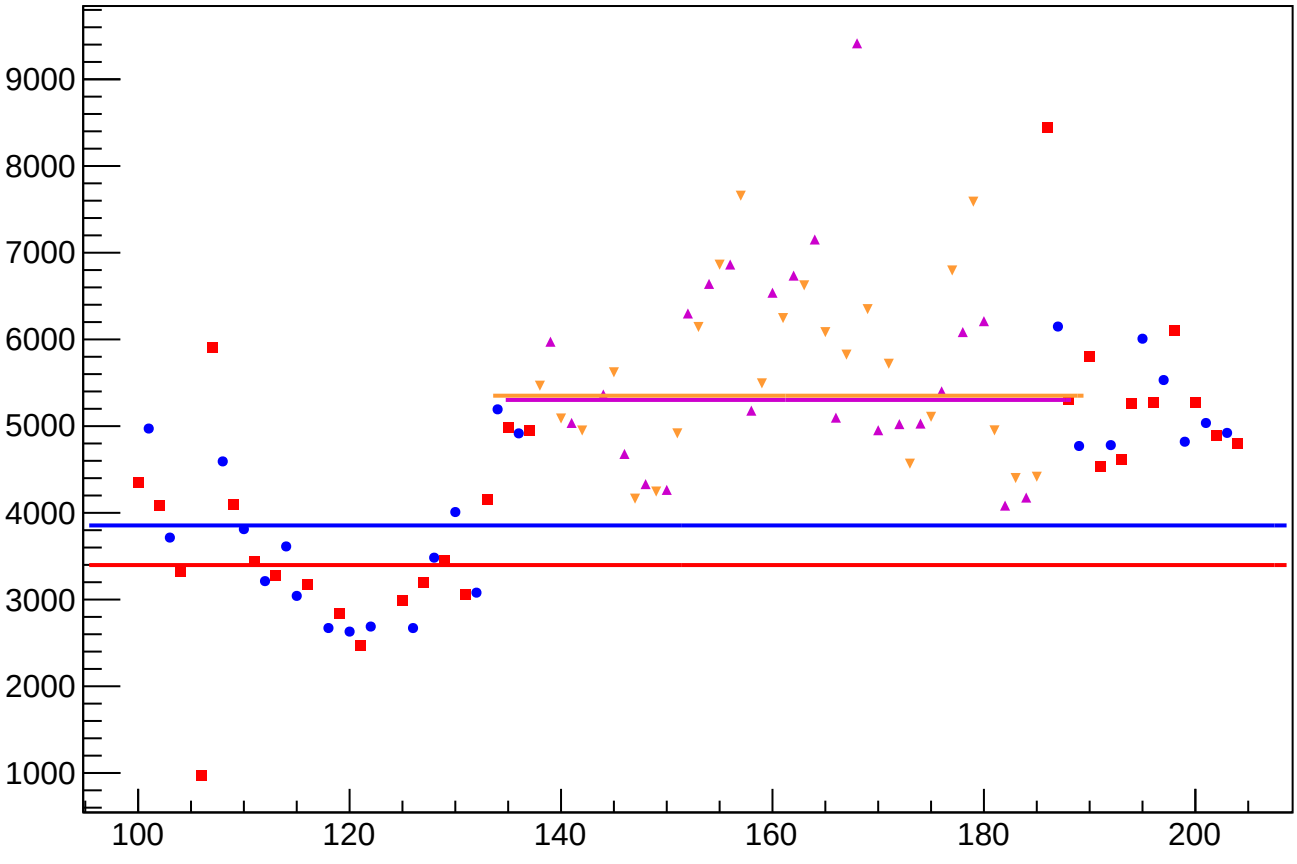
Right Out: 299.550+/-959.819 χ^2/NDF: 38.5/28

Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -878.224+/-831.933 χ^2/NDF: 62.1/47

All: -283.029+/-562.909 χ^2/NDF: 114.7/99

- sign 219.566+/-764.483 χ^2/NDF: 51.7/51



Right In: 3854.824+/-0.779 χ^2/NDF: 1805904.3/23

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3397.850+/-0.679 χ^2/NDF: 5020291.2/28

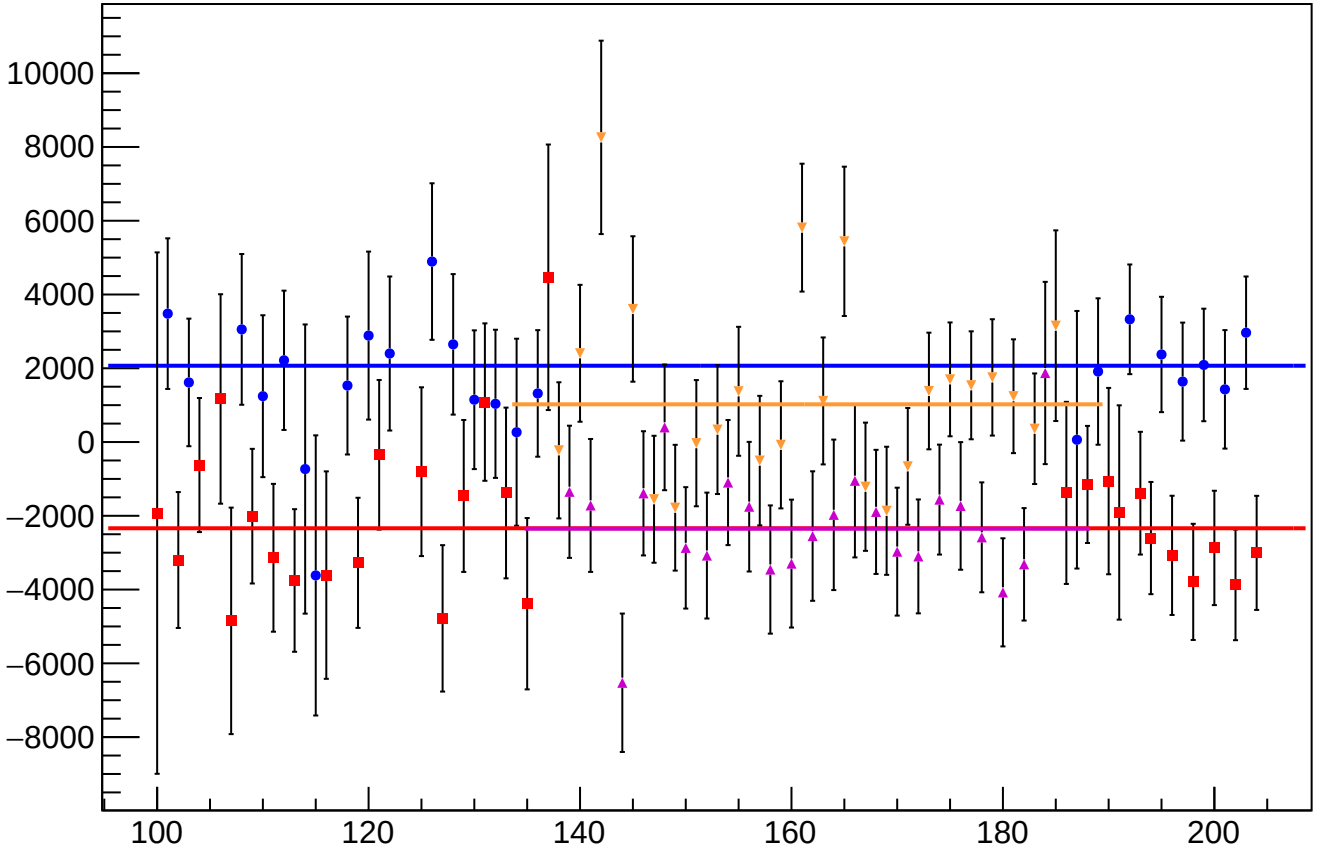
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4498.611+/-0.588 χ^2/NDF: 4457927.0/47

All: 4279.290+/-0.398 χ^2/NDF: 13869326.5/9

- sign 4094.092+/-0.541 χ^2/NDF: 9155026.9/51

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2068.708+/-392.156 χ^2/NDF: 8.6/23

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2338.083+/-367.671 χ^2/NDF: 18.5/28

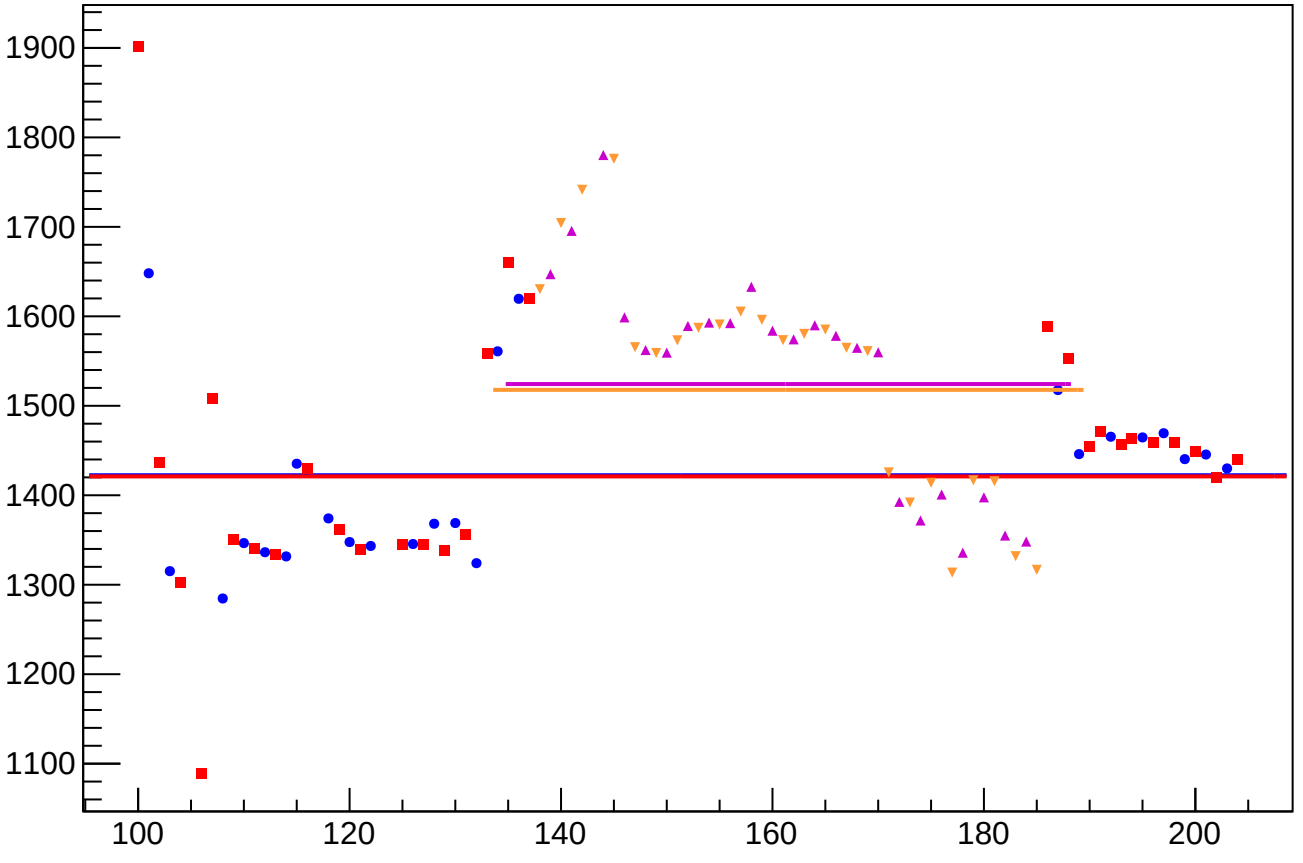
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1491.526+/-262.551 χ^2/NDF: 49.0/47

All: -473.446+/-183.347 χ^2/NDF: 192.8/99

- sign -2343.797+/-256.152 χ^2/NDF: 34.4/51

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1422.389+/-0.277 χ^2/NDF: 105601.2/23

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

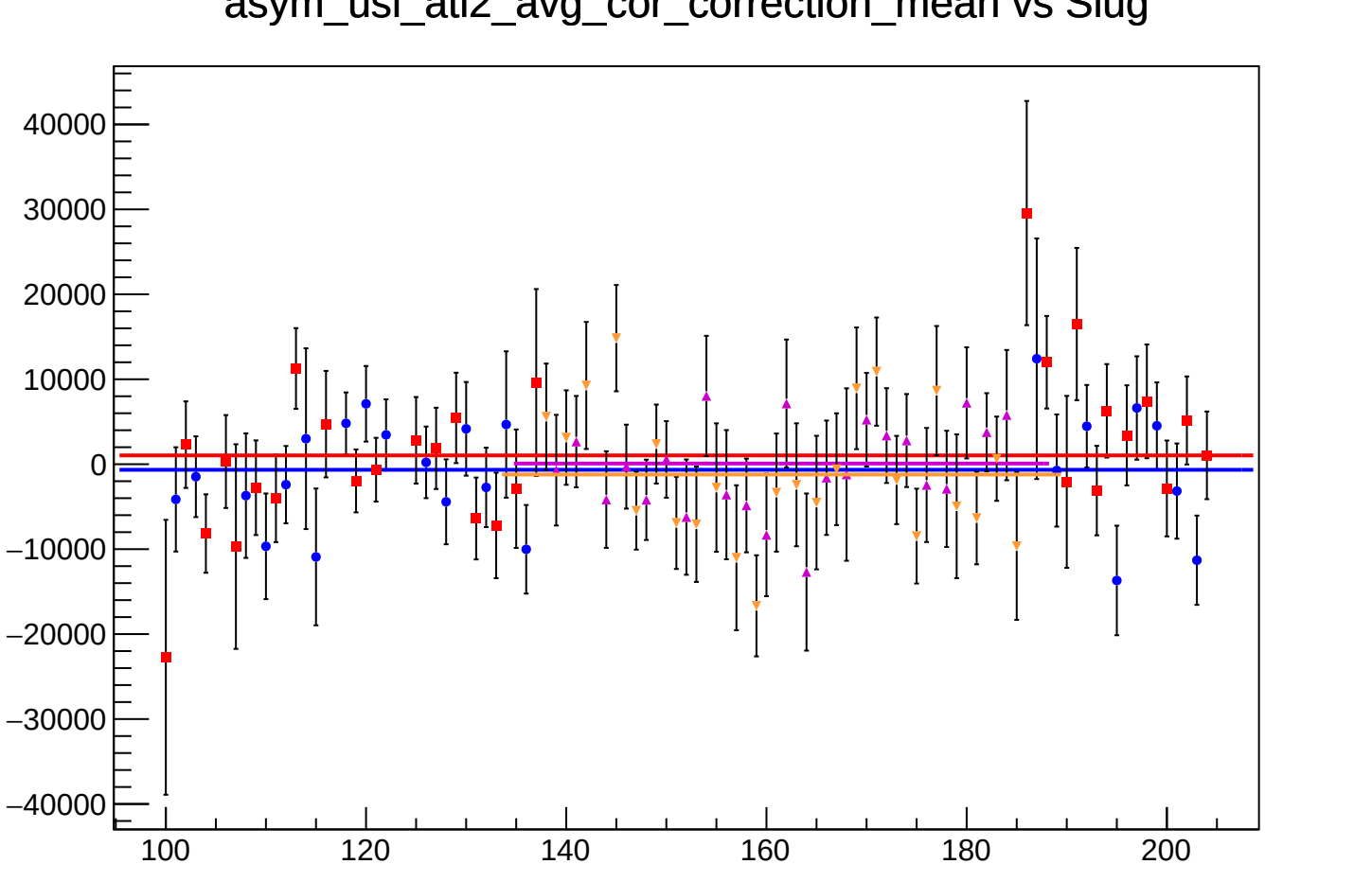
Right Out: 1421.077+/-0.258 χ^2/NDF: 159112.3/28

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1475.042+/-0.186 χ^2/NDF: 404901.5/47

All: 1474.433+/-0.129 χ^2/NDF: 870066.5/99

- sign 1473.858+/-0.181 χ^2/NDF: 465144.1/51



Right In: -658.918+/-1101.559 χ^2/NDF: 28.8/23

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

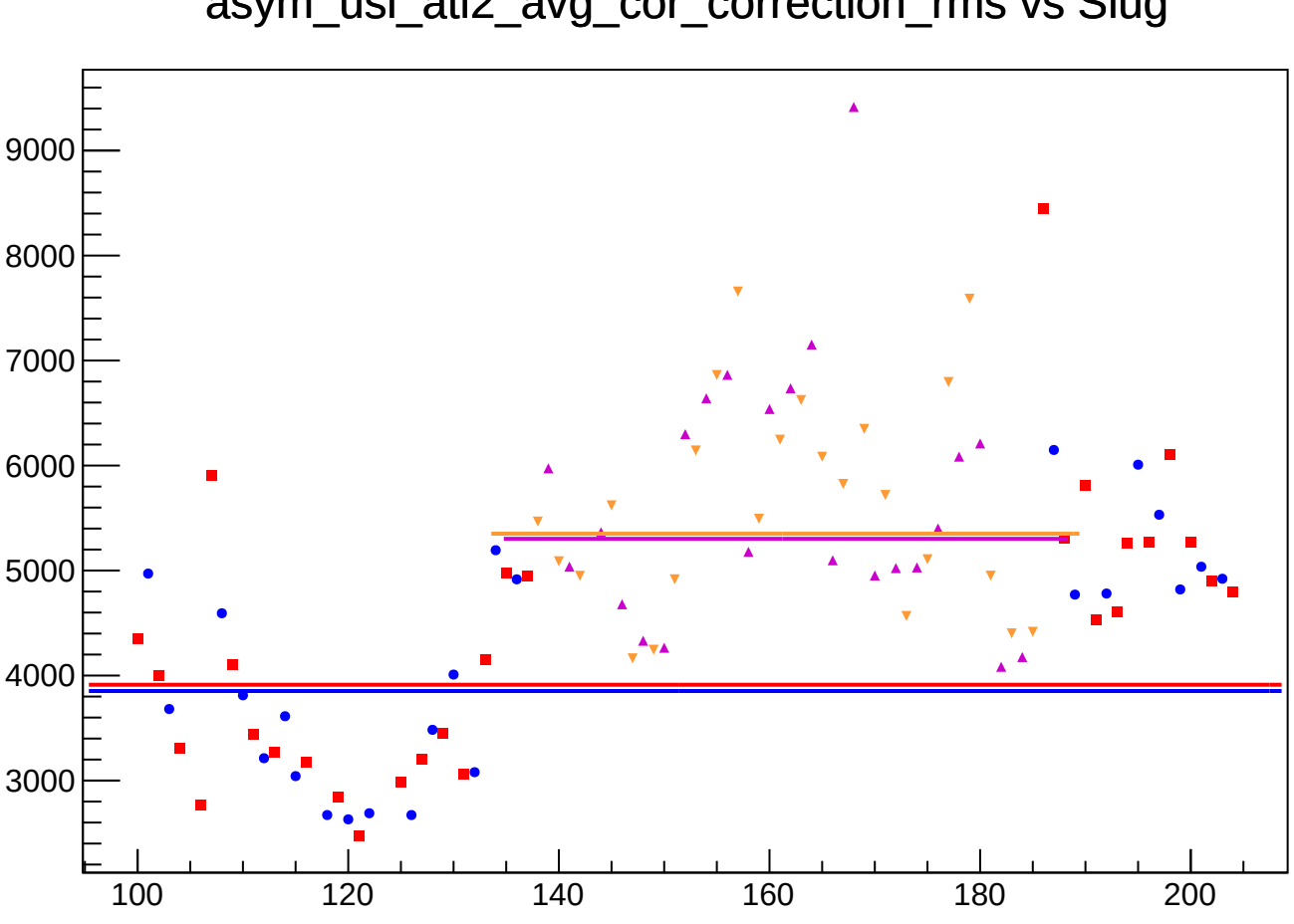
Right Out: 1038.745+/-1044.449 χ^2/NDF: 35.7/28

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -896.685+/-831.673 χ^2/NDF: 62.1/47

All: -98.291+/-578.505 χ^2/NDF: 113.1/99

- sign 650.137+/-805.228 χ^2/NDF: 49.2/51



Right In: 3852.850+/-0.779 χ^2/NDF: 1806769.6/23

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3912.442+/-0.739 χ^2/NDF: 2148151.9/28

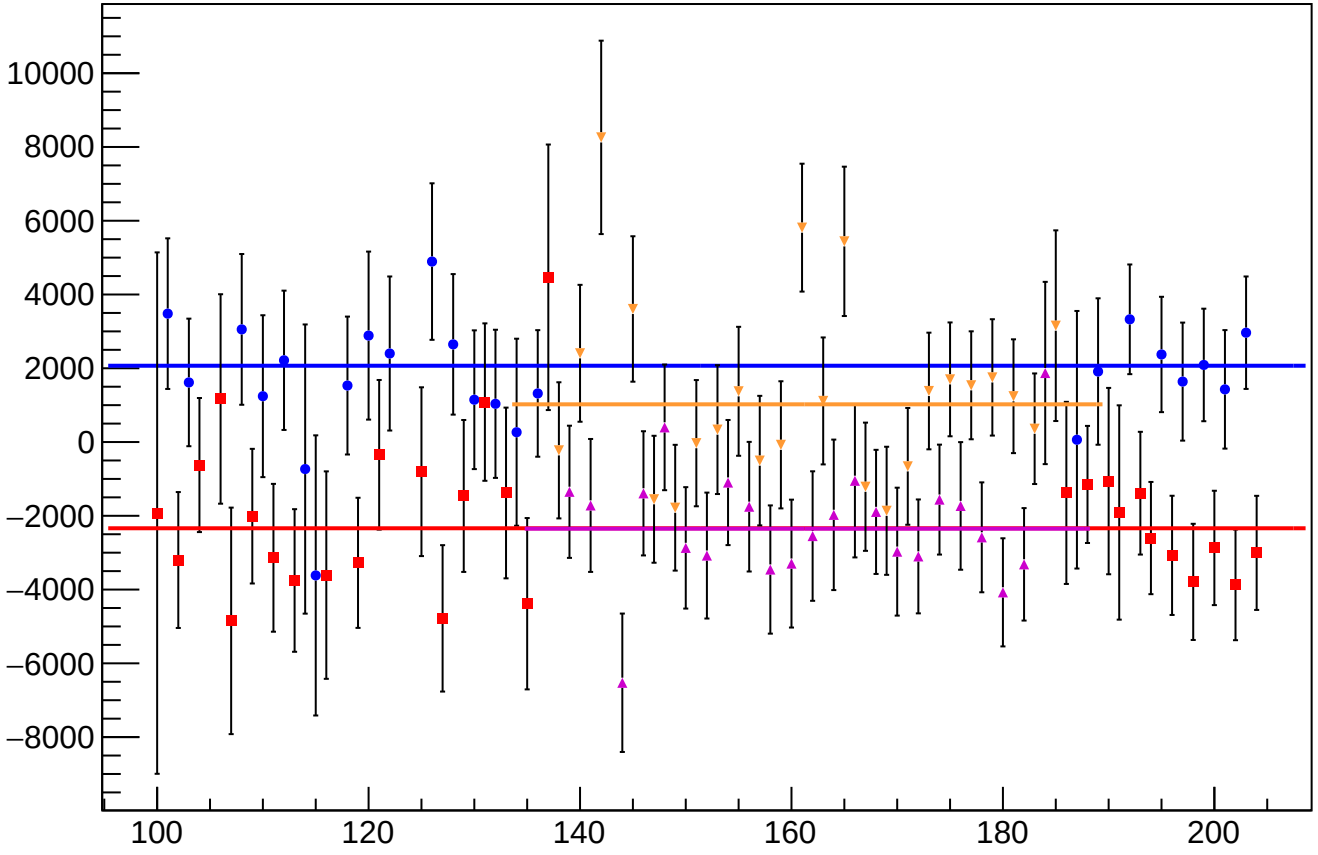
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4497.083+/-0.588 χ^2/NDF: 4463737.6/47

All: 4486.277+/-0.409 χ^2/NDF: 9305149.7/99

- sign 4476.148+/-0.569 χ^2/NDF: 4840758.0/51

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2068.708+/-392.156 χ^2/NDF: 8.6/23

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2338.083+/-367.671 χ^2/NDF: 18.5/28

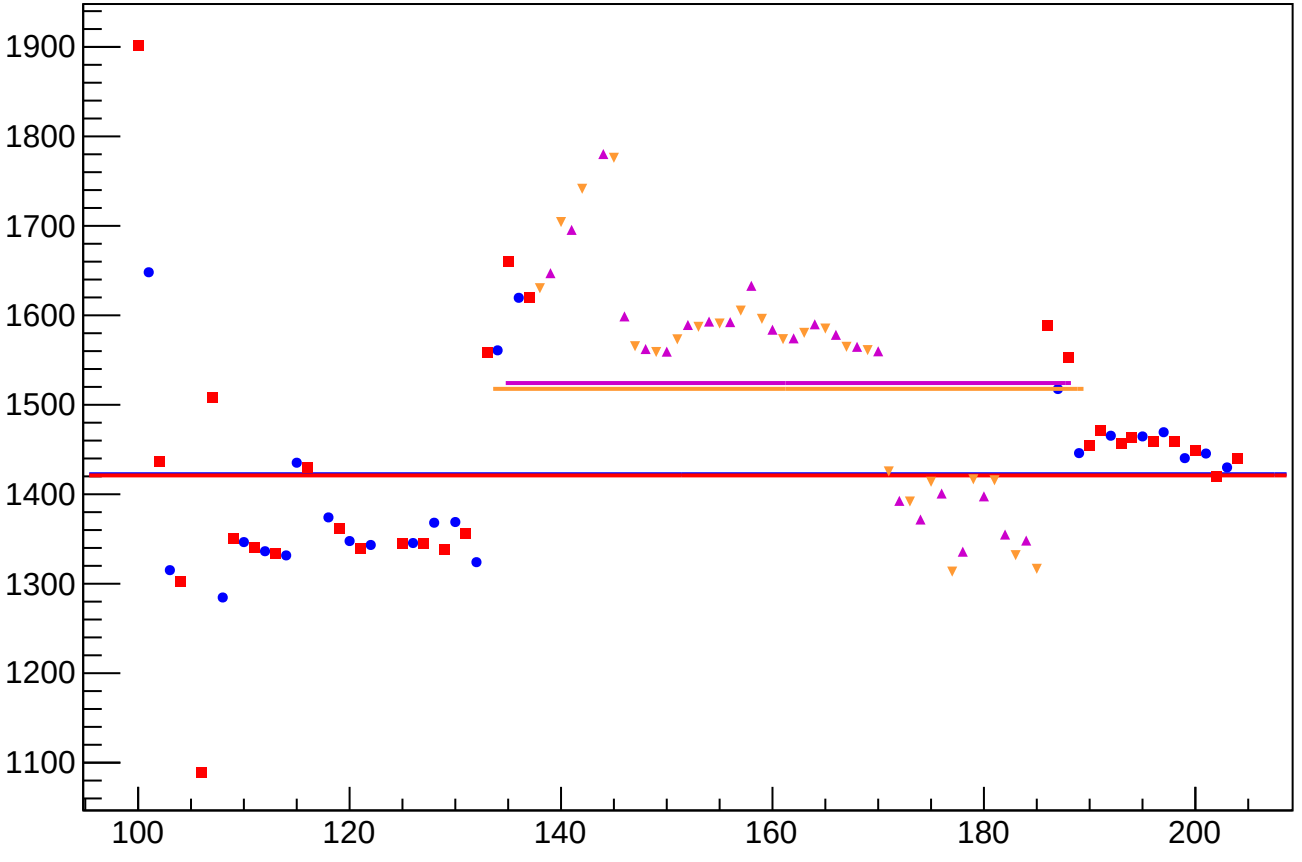
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1491.526+/-262.551 χ^2/NDF: 49.0/47

All: -473.446+/-183.347 χ^2/NDF: 192.8/99

- sign -2343.797+/-256.152 χ^2/NDF: 34.4/51

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1422.389+/-0.277 χ^2/NDF: 105601.2/23

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

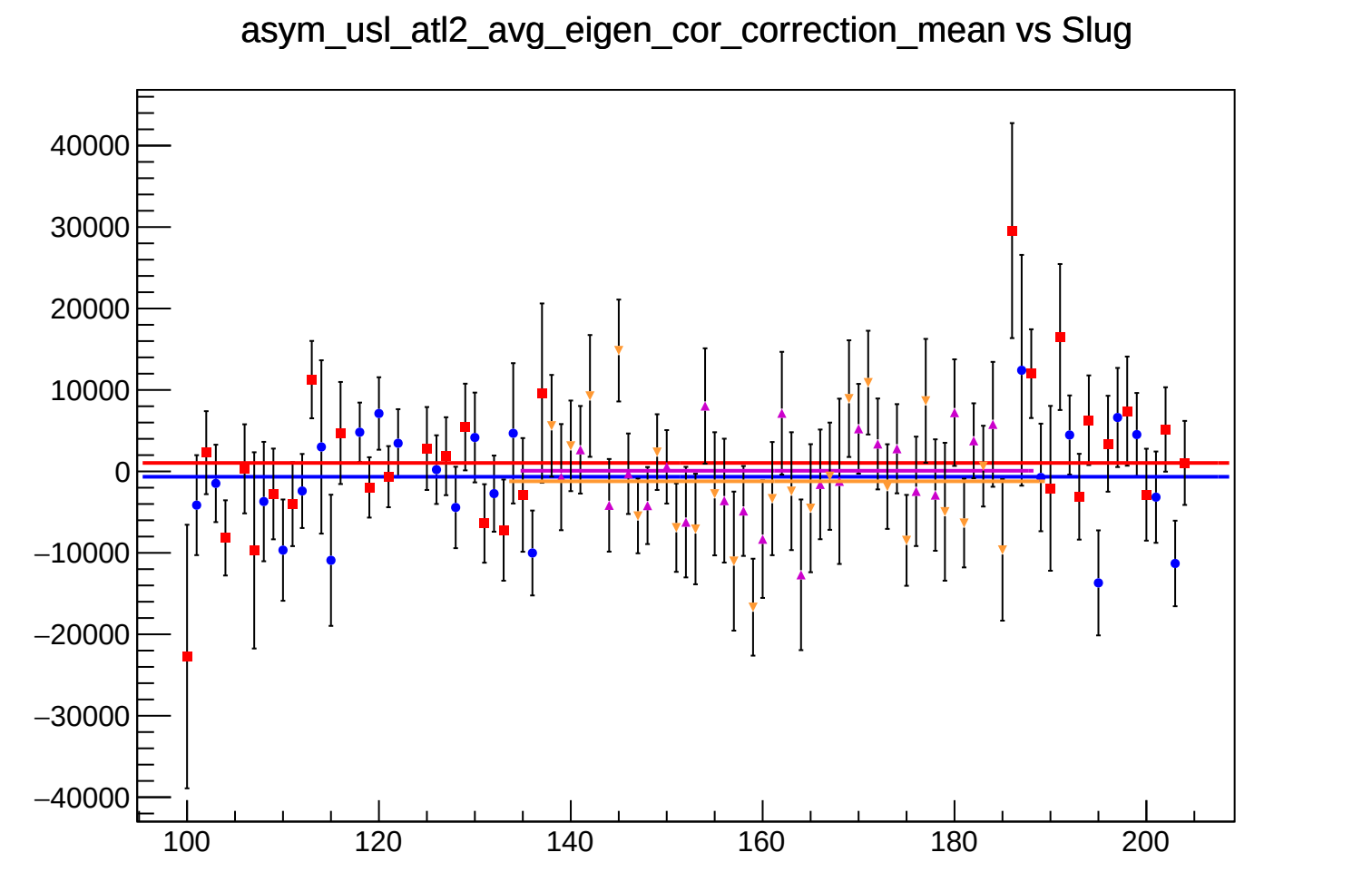
Right Out: 1421.077+/-0.258 χ^2/NDF: 159112.3/28

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

\+ sign 1475.042+/-0.186 χ^2/NDF: 404901.5/47

All: 1474.433+/-0.129 χ^2/NDF: 870066.5/99

\- sign 1473.858+/-0.181 χ^2/NDF: 465144.1/51



Right In: -658.918+/-1101.559 χ^2/NDF: 28.8/23

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

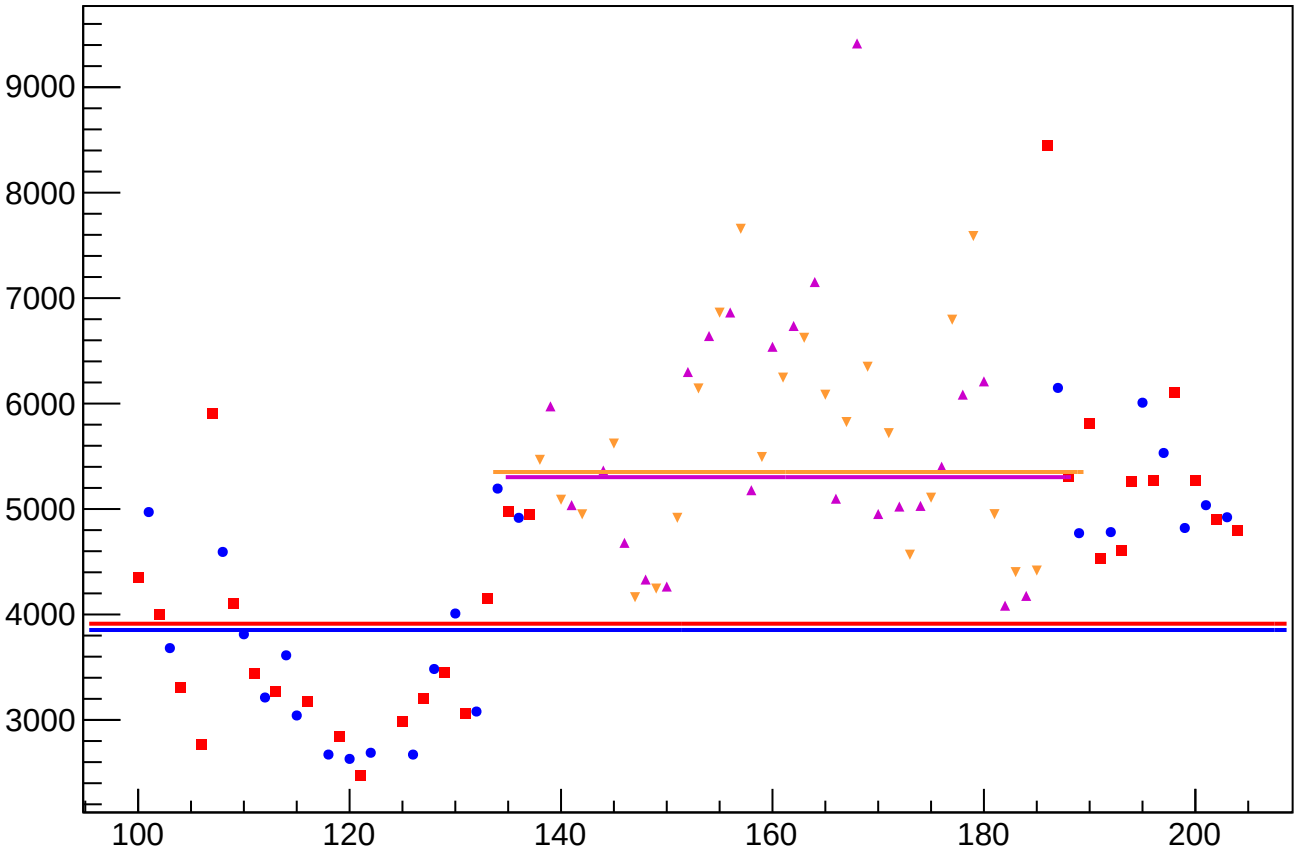
Right Out: 1038.745+/-1044.449 χ^2/NDF: 35.7/28

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -896.685+/-831.673 χ^2/NDF: 62.1/47

All: -98.291+/-578.505 χ^2/NDF: 113.1/99

- sign 650.137+/-805.228 χ^2/NDF: 49.2/51



Right In: 3852.850+/-0.779 χ^2/NDF: 1806769.6/23

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3912.442+/-0.739 χ^2/NDF: 2148151.9/28

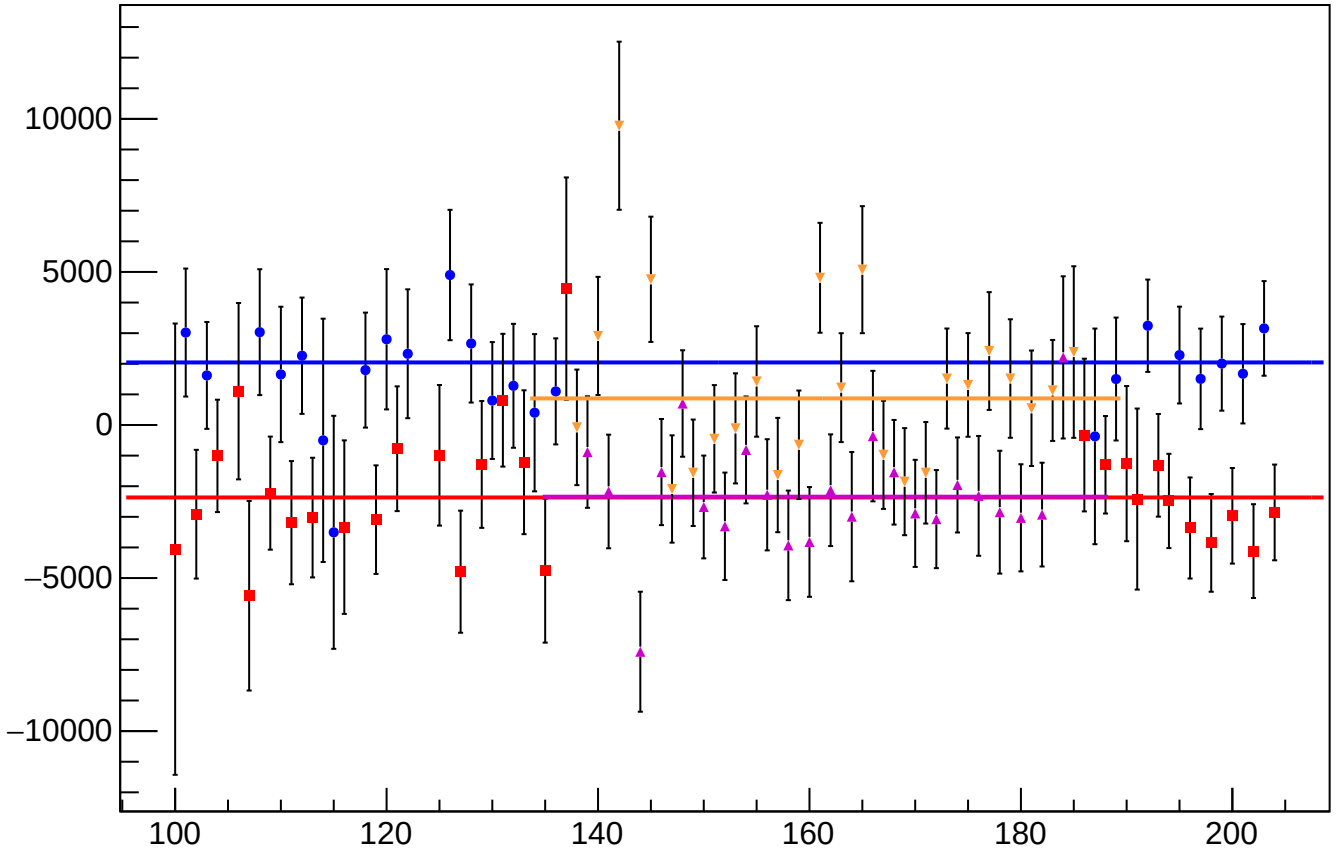
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4497.083+/-0.588 χ^2/NDF: 4463737.6/47

All: 4486.277+/-0.409 χ^2/NDF: 9305149.7/99

- sign 4476.148+/-0.569 χ^2/NDF: 4840758.0/51

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2043.693+/-396.537 χ^2/NDF: 8.3/23

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2367.097+/-373.120 χ^2/NDF: 17.9/28

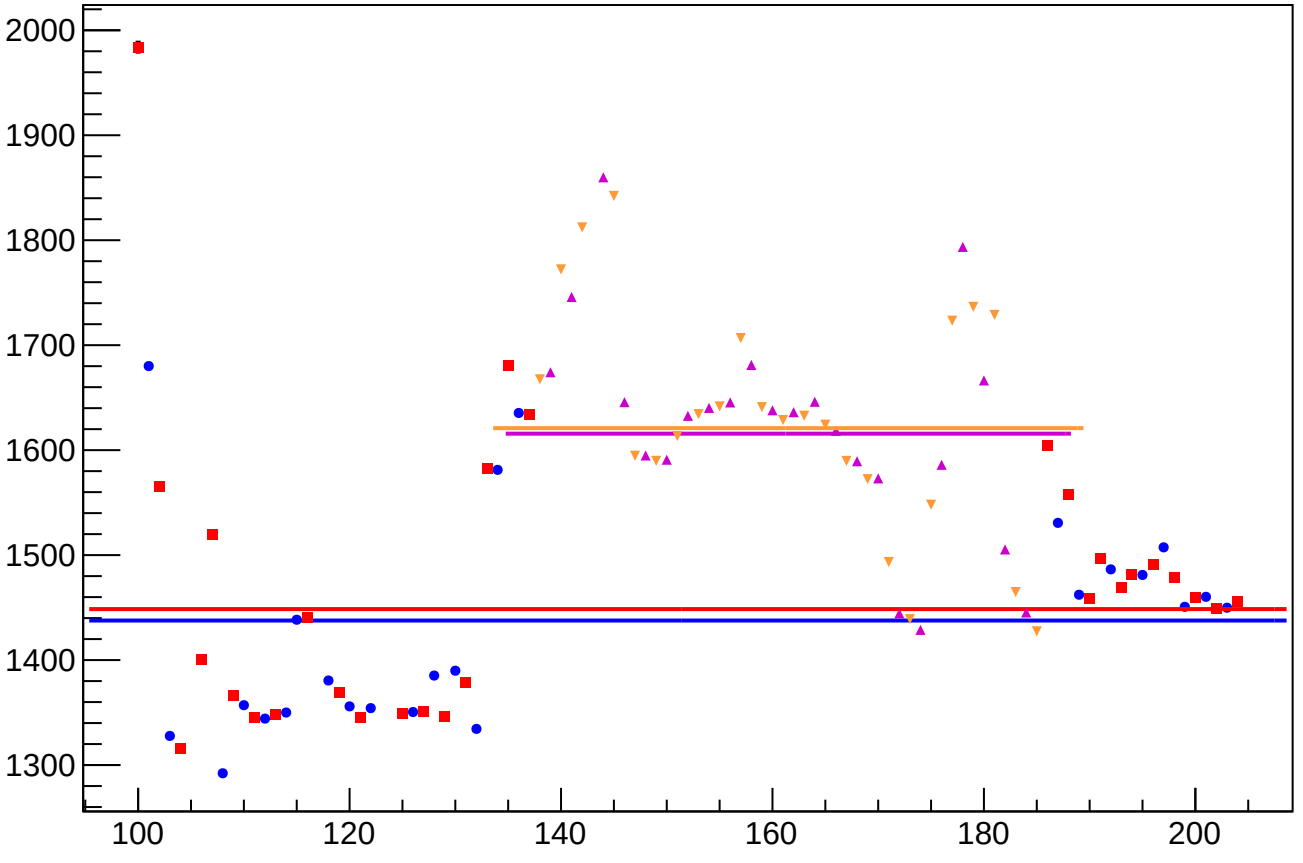
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1426.669+/-273.293 χ^2/NDF: 52.6/47

All: -518.190+/-190.463 χ^2/NDF: 187.1/99

- sign -2354.865+/-265.583 χ^2/NDF: 36.0/51

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1437.682+/-0.280 χ^2/NDF: 113987.2/23

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1448.588+/-0.263 χ^2/NDF: 120456.4/28

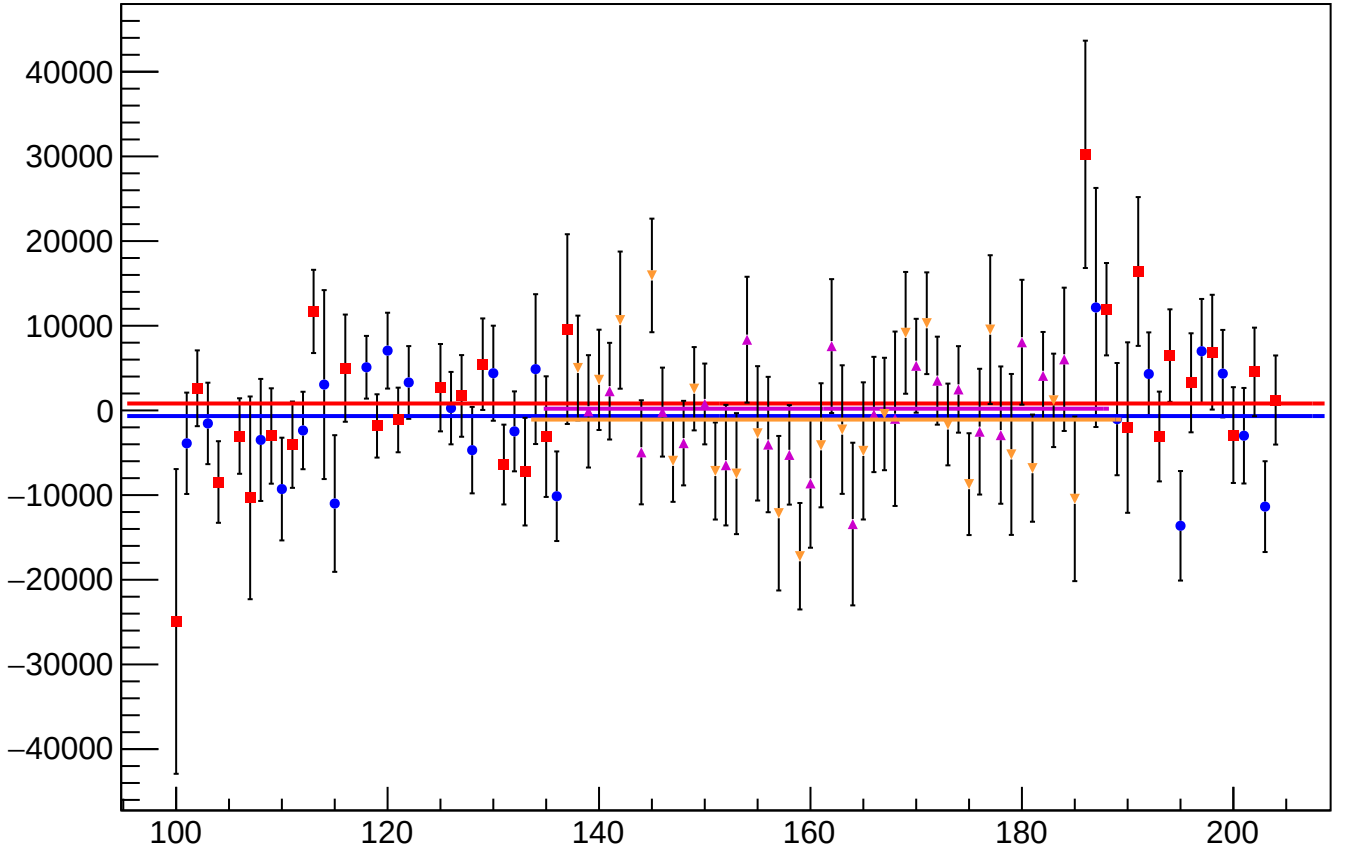
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1533.896+/-0.193 χ^2/NDF: 480245.6/47

All: 1532.366+/-0.135 χ^2/NDF: 936161.7/99

- sign 1530.924+/-0.188 χ^2/NDF: 455794.5/51

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -666.947+/-1113.220 χ^2/NDF: 28.4/23

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 817.270+/-1038.025 χ^2/NDF: 36.5/28

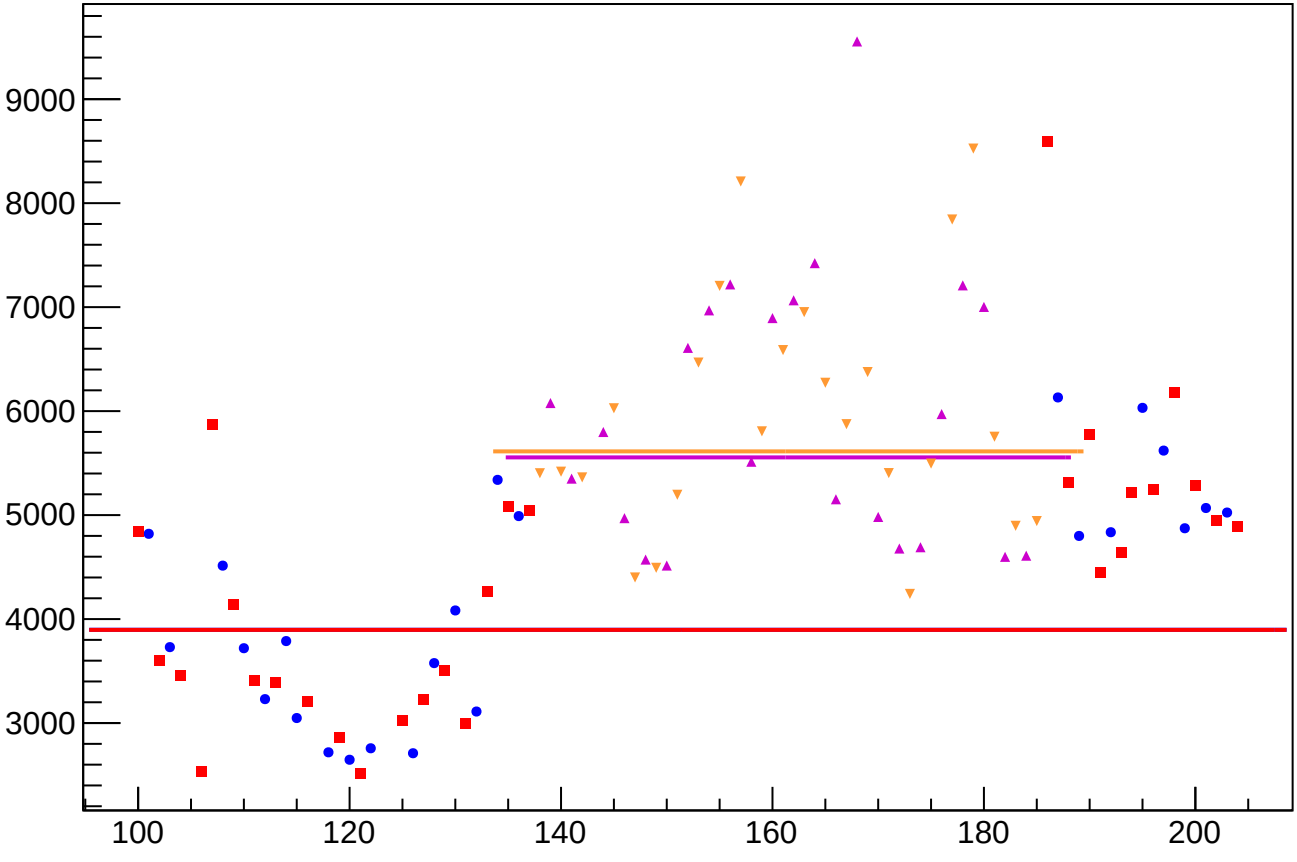
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -837.667+/-854.289 χ^2/NDF: 61.4/47

All: -95.796+/-590.602 χ^2/NDF: 112.3/99

- sign 583.398+/-817.405 χ^2/NDF: 49.5/51

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3897.309+/-0.787 χ^2/NDF: 1768389.9/23

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3896.095+/-0.734 χ^2/NDF: 2233726.2/28

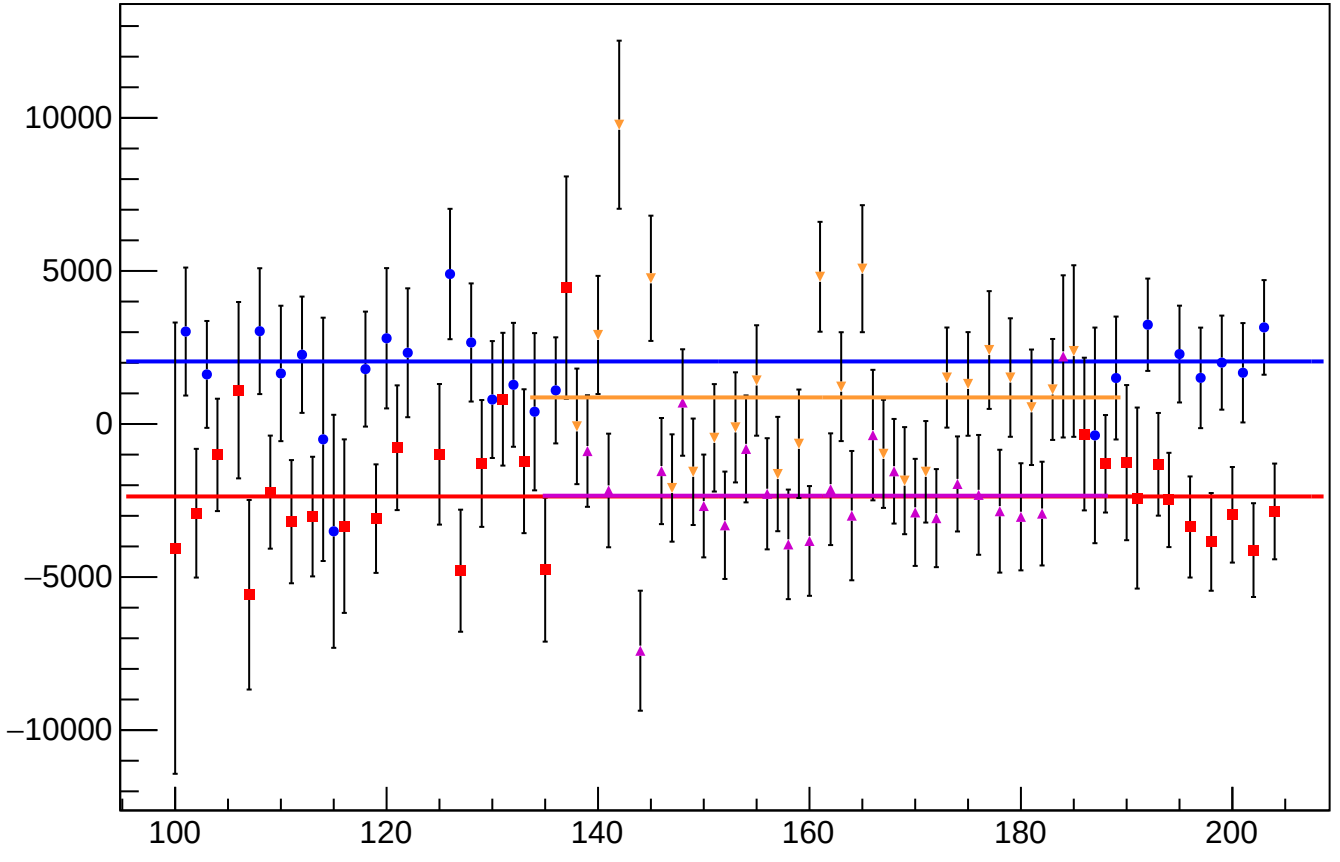
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4602.505+/-0.604 χ^2/NDF: 4908814.4/47

All: 4562.718+/-0.418 χ^2/NDF: 10424227.0/9

- sign 4526.292+/-0.578 χ^2/NDF: 5507102.9/51

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2043.689+/-396.537 χ^2/NDF: 8.3/23

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2367.097+/-373.120 χ^2/NDF: 17.9/28

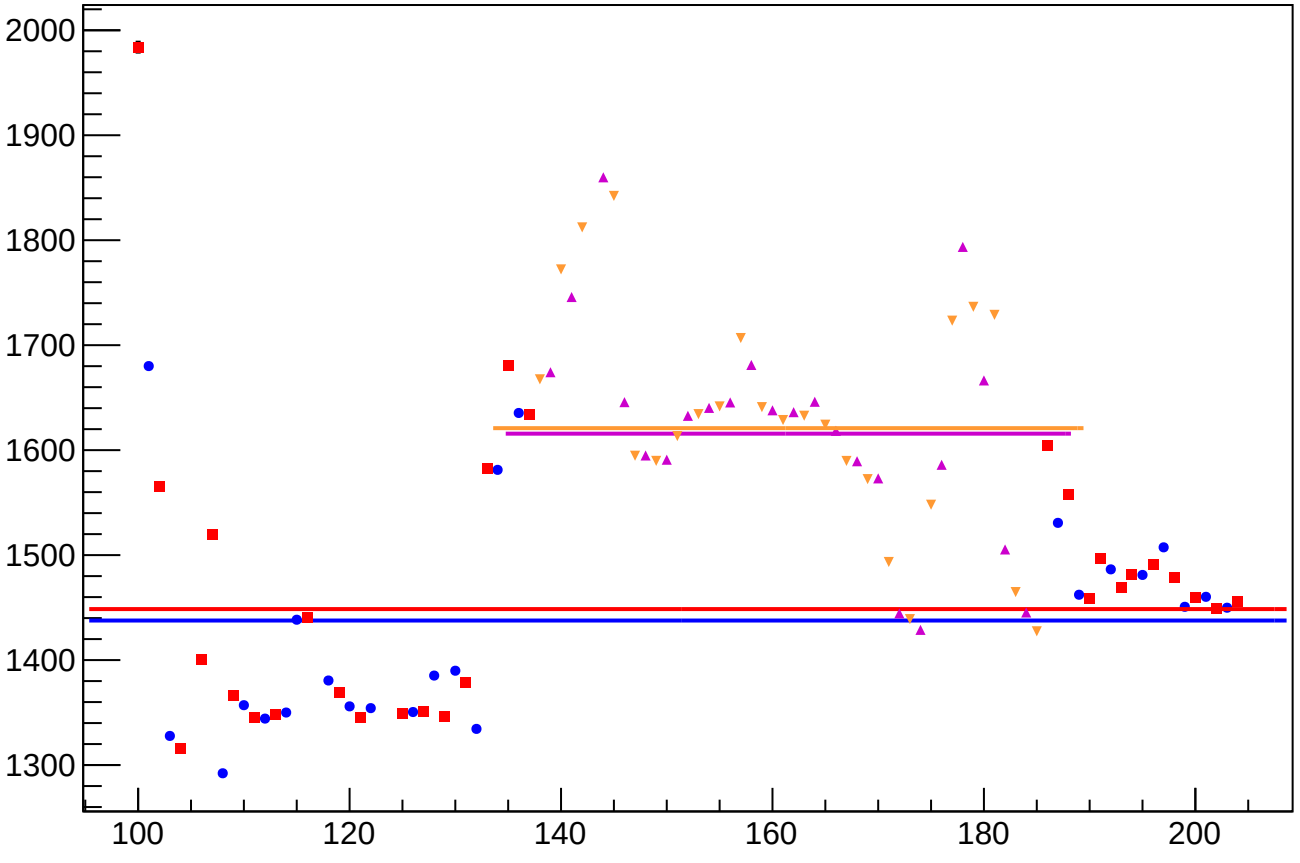
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1426.664+/-273.293 χ^2/NDF: 52.6/47

All: -518.192+/-190.463 χ^2/NDF: 187.1/99

- sign -2354.865+/-265.584 χ^2/NDF: 36.0/51

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1437.682+/-0.280 χ^2/NDF: 113987.3/23

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

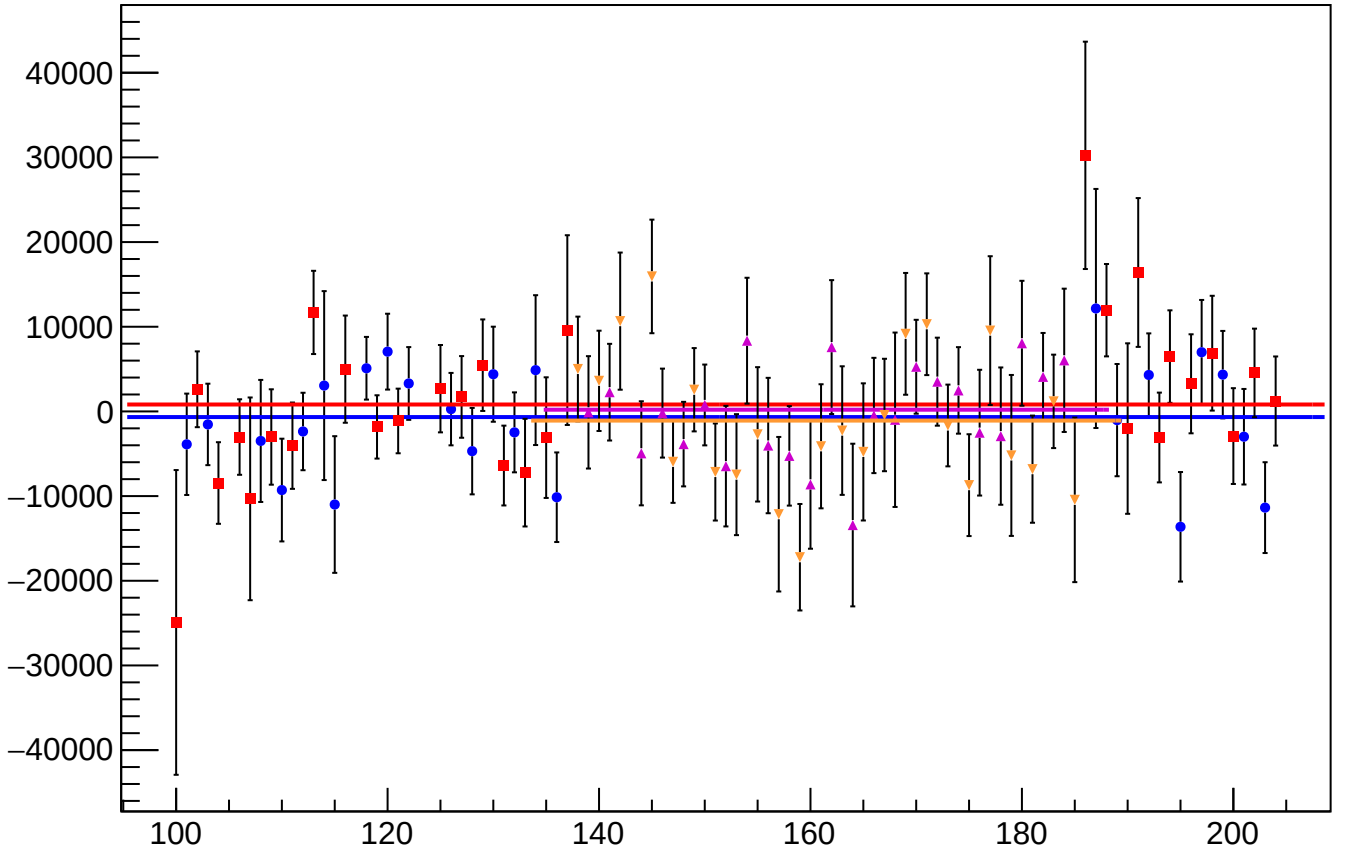
Right Out: 1448.588+/-0.263 χ^2/NDF: 120456.5/28

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1533.896+/-0.193 χ^2/NDF: 480253.1/47

All: 1532.367+/-0.135 χ^2/NDF: 936176.8/99

- sign 1530.925+/-0.188 χ^2/NDF: 455802.1/51



Right In: -666.939+/-1113.218 χ^2/NDF: 28.4/23

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

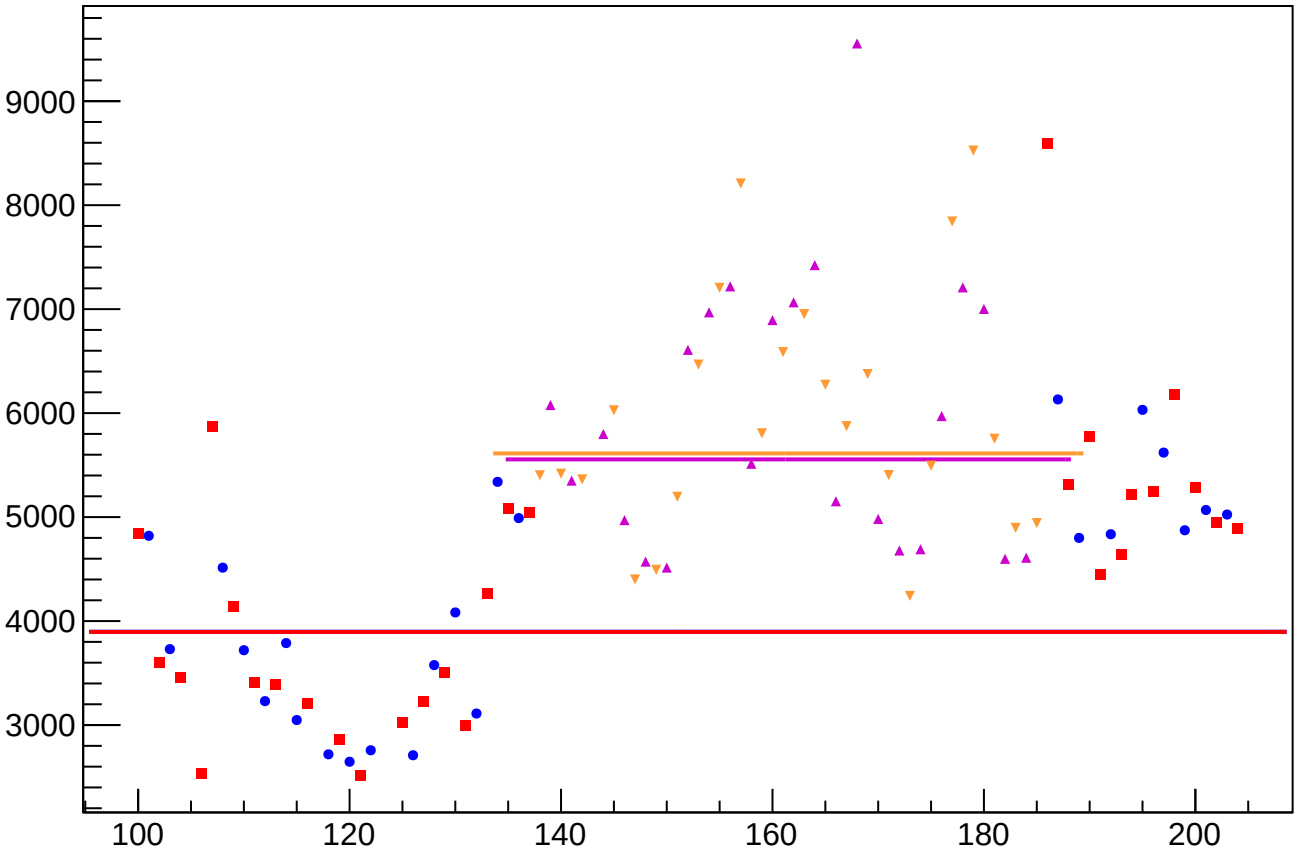
Right Out: 817.263+/-1038.024 χ^2/NDF: 36.5/28

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

+ sign -837.665+/-854.289 χ^2/NDF: 61.4/47

All: -95.796+/-590.601 χ^2/NDF: 112.3/99

- sign 583.395+/-817.405 χ^2/NDF: 49.5/51



Right In: 3897.300+/-0.787 χ^2/NDF: 1768419.5/23

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3896.087+/-0.734 χ^2/NDF: 2233753.6/28

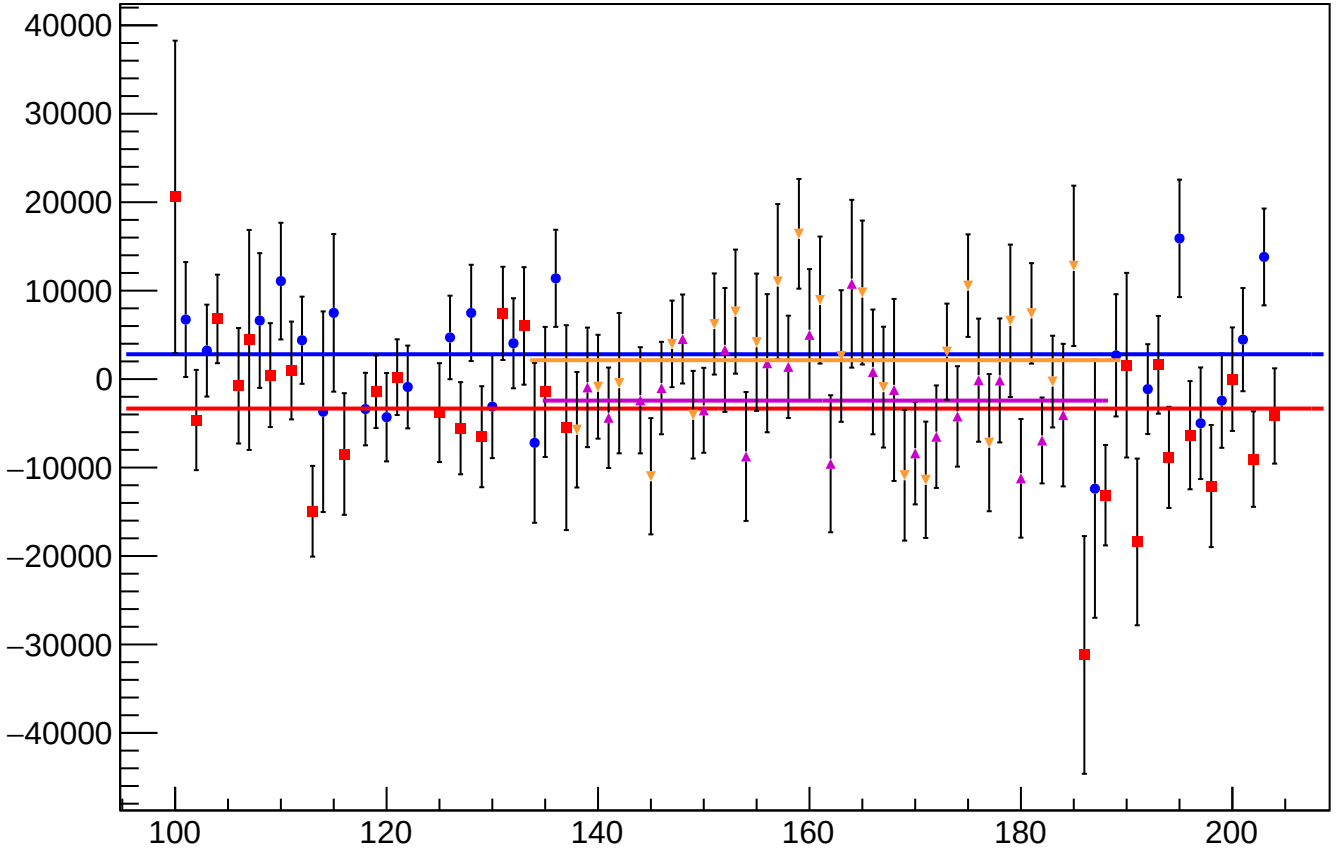
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4602.500+/-0.604 χ^2/NDF: 4908885.3/47

All: 4562.713+/-0.418 χ^2/NDF: 10424363.5/9

- sign 4526.288+/-0.578 χ^2/NDF: 5507168.6/51

asym_usl_atl2_avg_mean vs Slug



Right In: 2811.045+/-1186.835 χ^2/NDF: 25.7/23

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -3328.580+/-1125.775 χ^2/NDF: 36.0/28

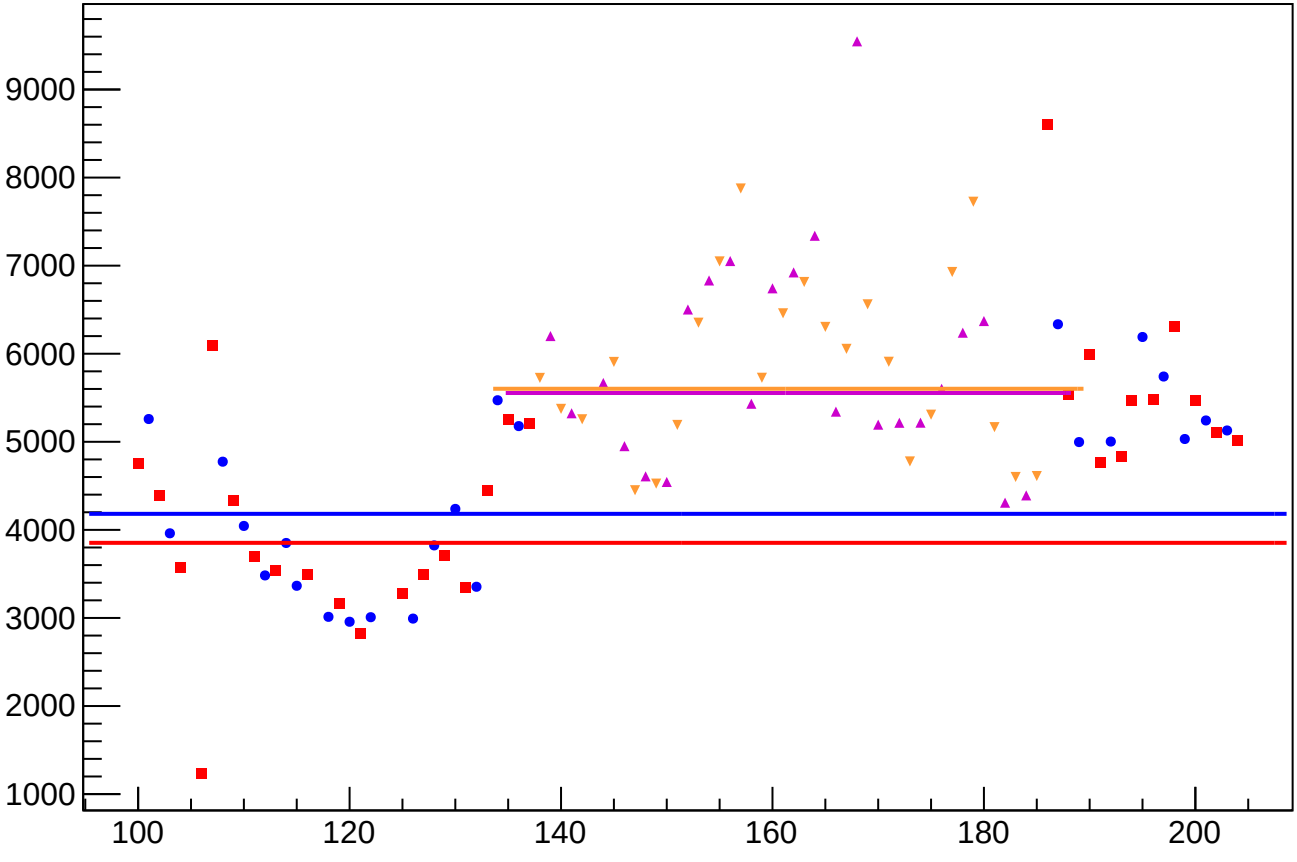
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2511.341+/-883.862 χ^2/NDF: 56.5/47

All: -303.903+/-615.215 χ^2/NDF: 125.3/99

- sign -2949.743+/-856.857 χ^2/NDF: 49.1/51

asym_usl_atl2_avg_rms vs Slug



Right In: 4182.064+/-0.839 χ^2/NDF: 1439551.4/23

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

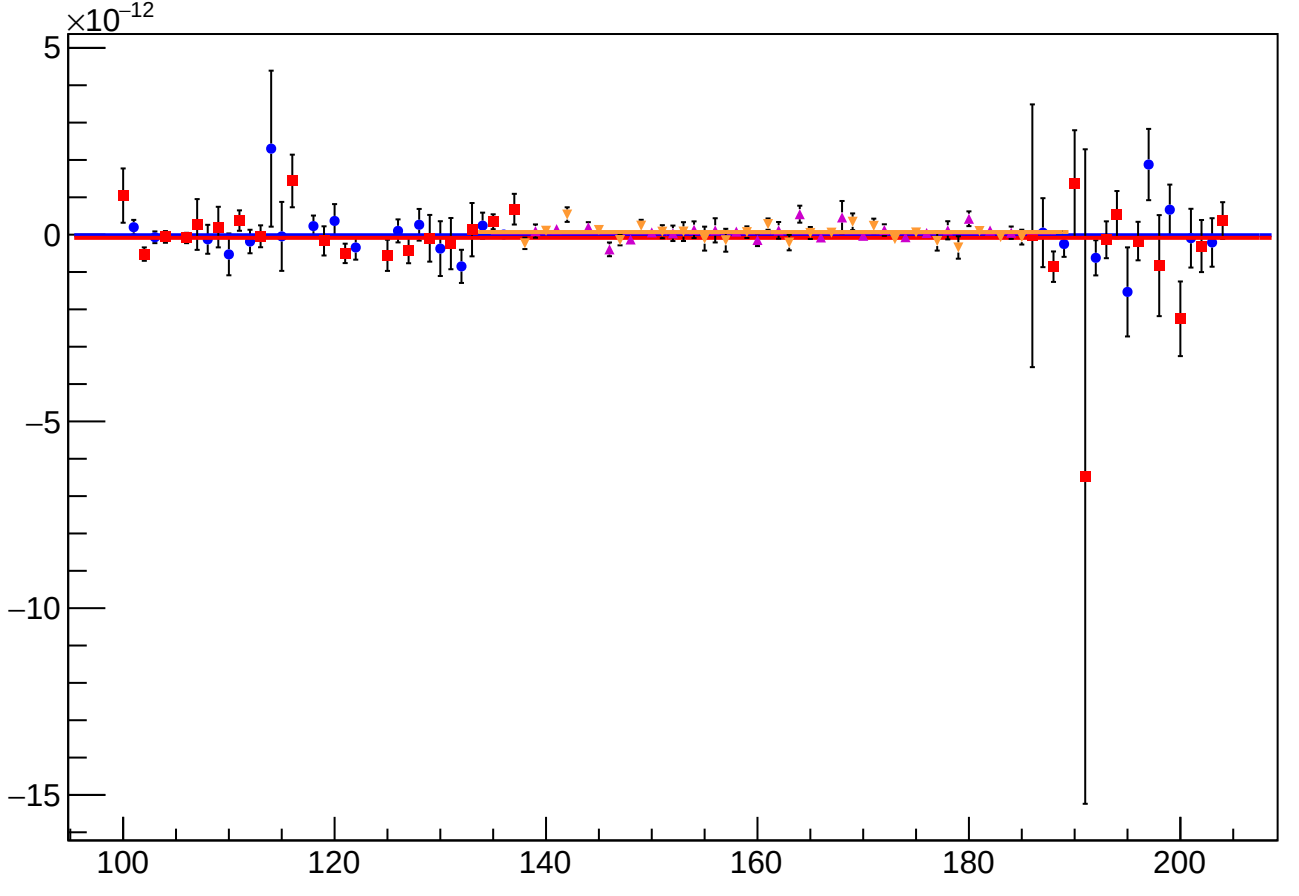
Right Out: 3852.814+/-0.750 χ^2/NDF: 3660174.8/28

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4814.605+/-0.625 χ^2/NDF: 3655529.4/47

All: 4657.156+/-0.427 χ^2/NDF: 10564127.3/9

- sign 4519.346+/-0.585 χ^2/NDF: 6789582.7/51



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 41.7/28

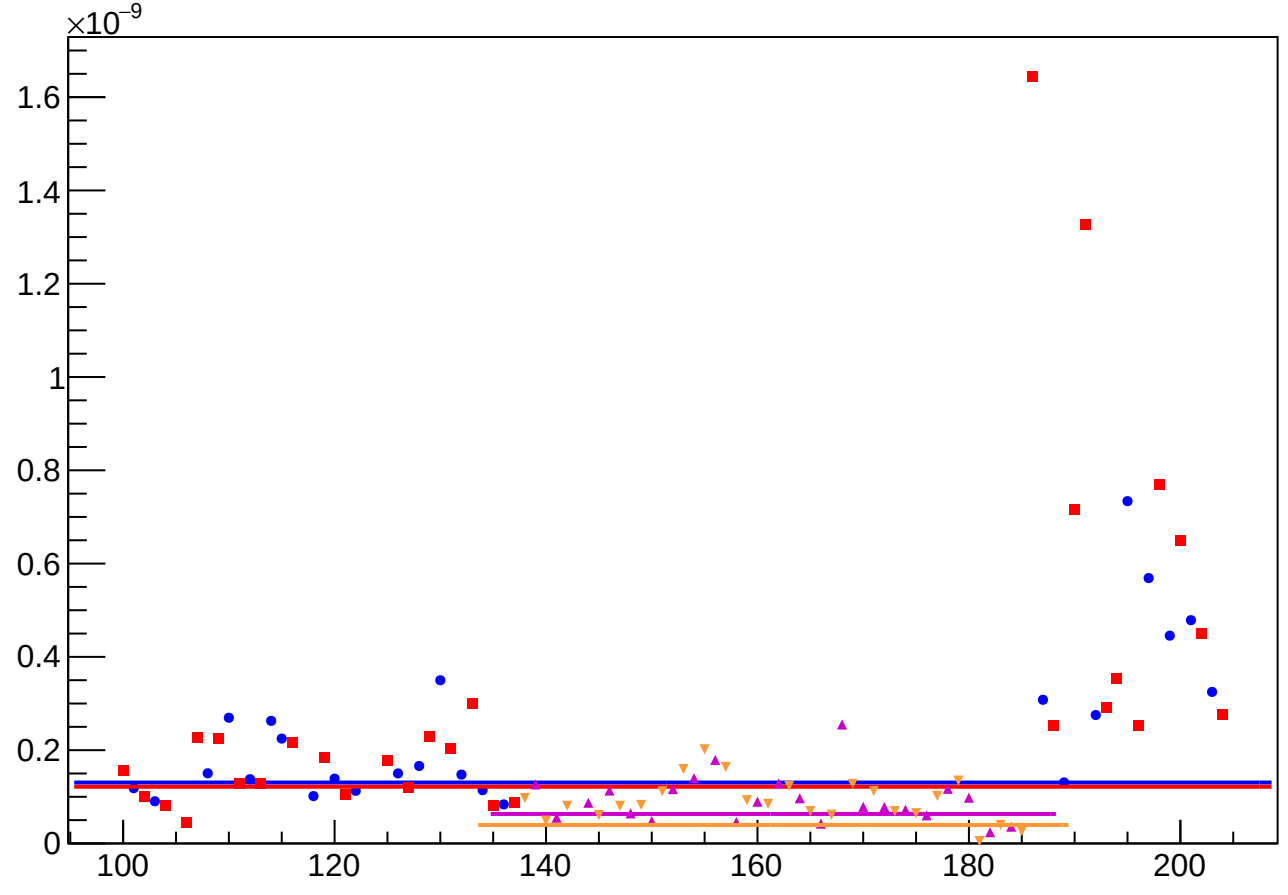
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.7/47

All: 0.000+/-0.000 χ^2/NDF: 121.8/99

- sign 0.000+/-0.000 χ^2/NDF: 71.2/51

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2982274.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4594607.3/28

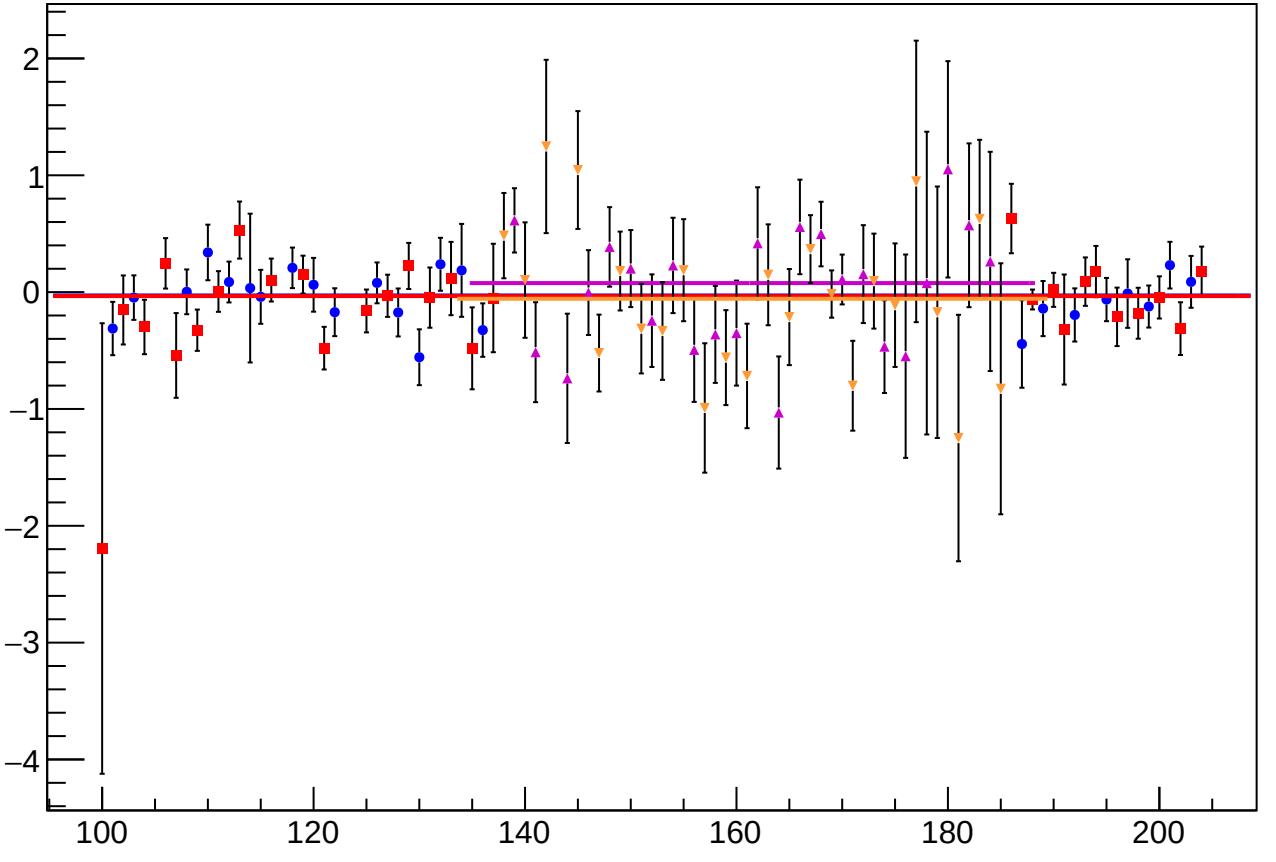
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 13276146.1/47

All: 0.000+/-0.000 χ^2/NDF: 23340828.3/99

- sign 0.000+/-0.000 χ^2/NDF: 8971659.7/51

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.045 χ^2/NDF: 20.3/23

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: -0.034+/-0.037 χ^2/NDF: 36.7/28

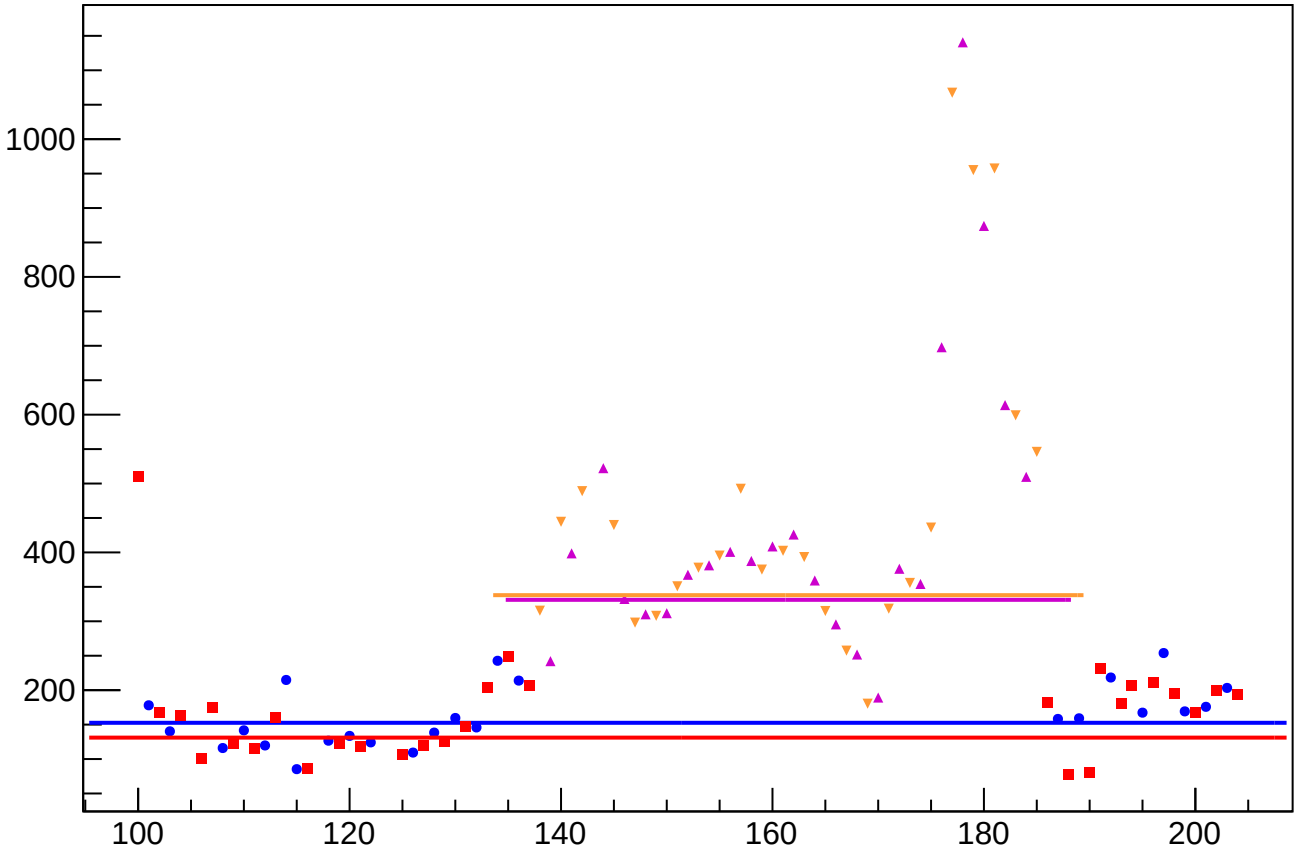
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.035+/-0.040 χ^2/NDF: 50.8/47

All: -0.024+/-0.026 χ^2/NDF: 116.2/99

- sign -0.015+/-0.034 χ^2/NDF: 65.2/51

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 152.627+/-0.032 χ^2/NDF: 1416407.4/23

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

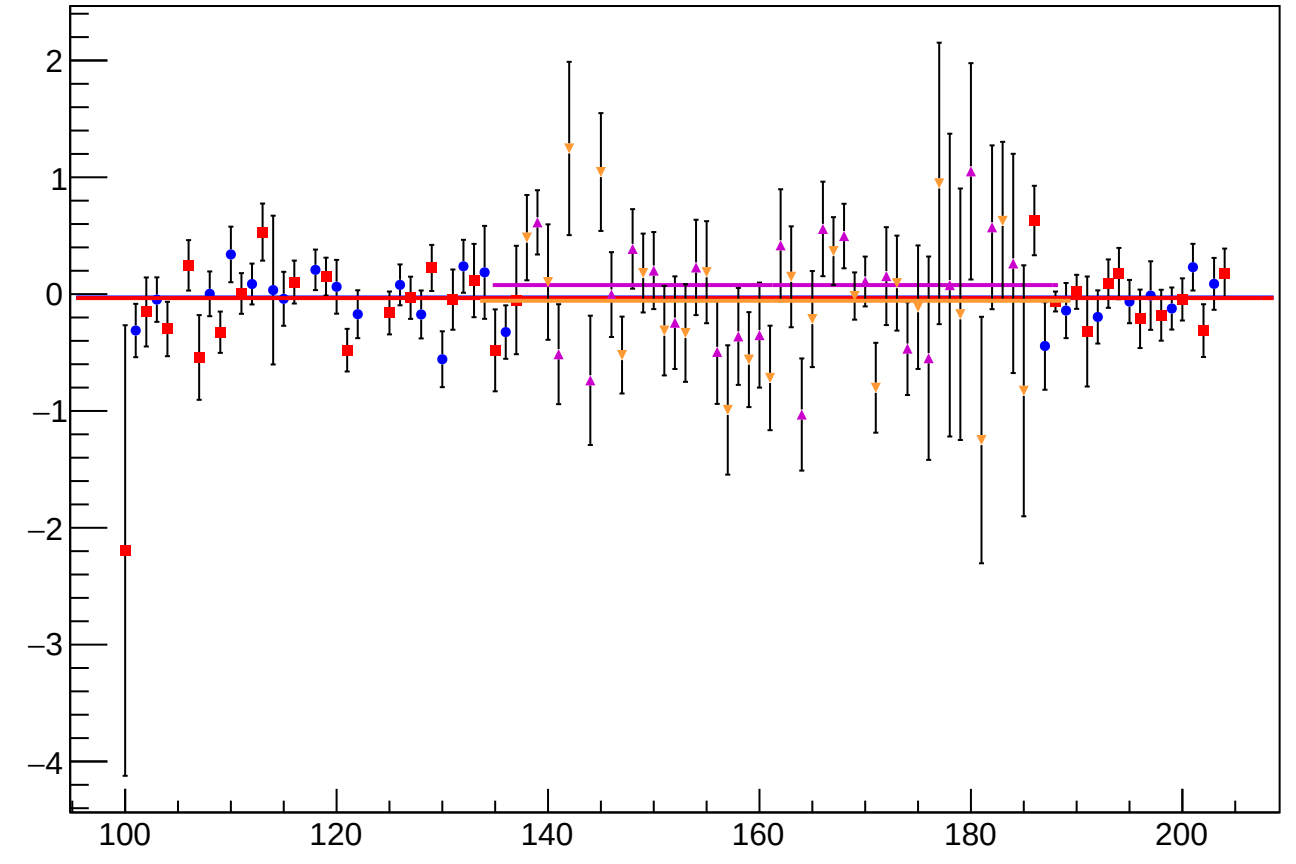
Right Out: 131.106+/-0.026 χ^2/NDF: 3198556.0/28

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 192.358+/-0.028 χ^2/NDF: 13321050.9/47

All: 176.362+/-0.018 χ^2/NDF: 30779397.6/99

- sign 164.498+/-0.024 χ^2/NDF: 16889131.9/51



Right In: -0.029+/-0.045 χ^2/NDF: 20.3/23

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

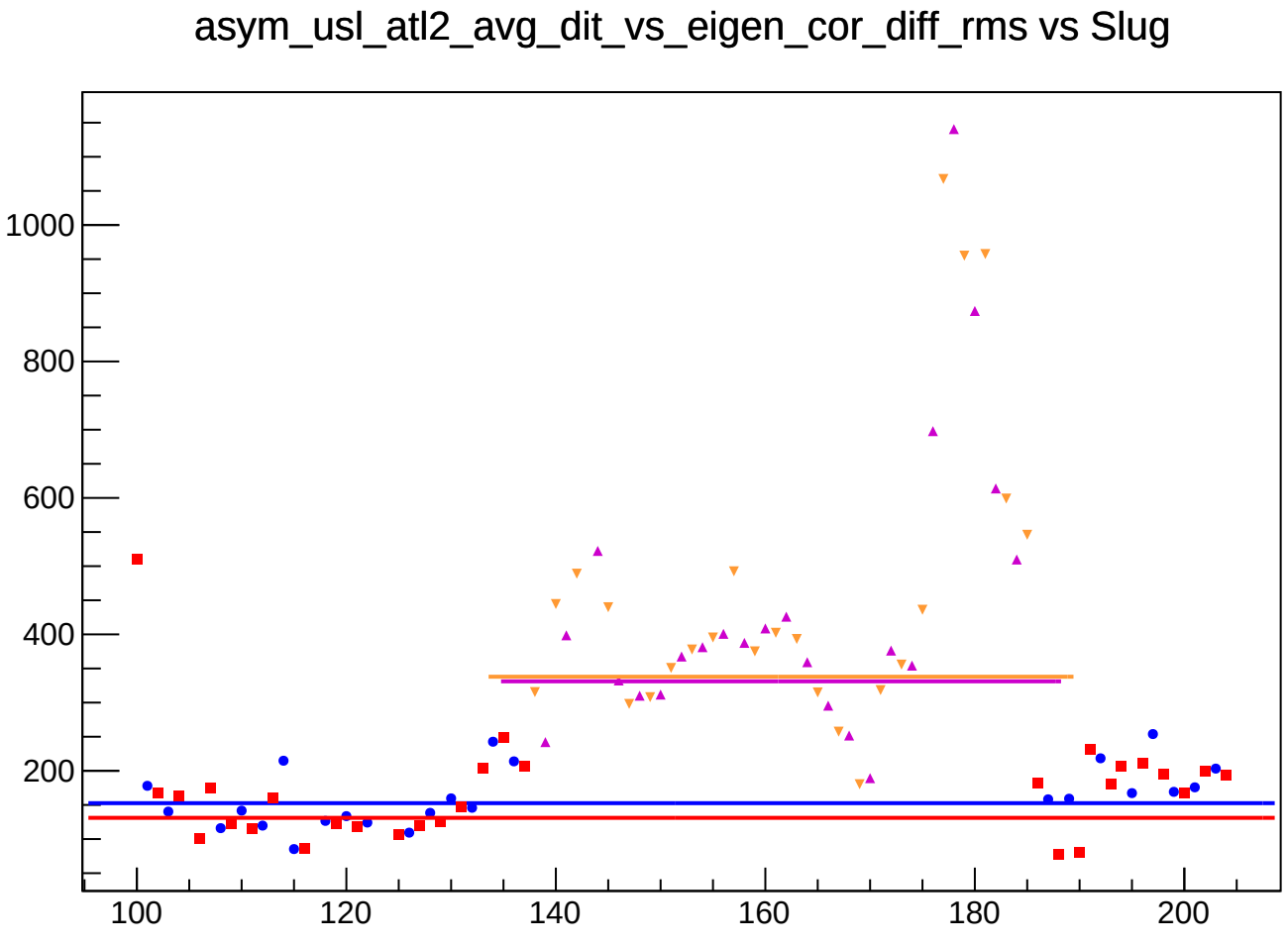
Right Out: -0.034+/-0.037 χ^2/NDF: 36.7/28

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

\+ sign -0.035+/-0.040 χ^2/NDF: 50.8/47

All: -0.024+/-0.026 χ^2/NDF: 116.2/99

\- sign -0.015+/-0.034 χ^2/NDF: 65.2/51



Right In: 152.627+/-0.032 χ^2/NDF: 1416407.4/23

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

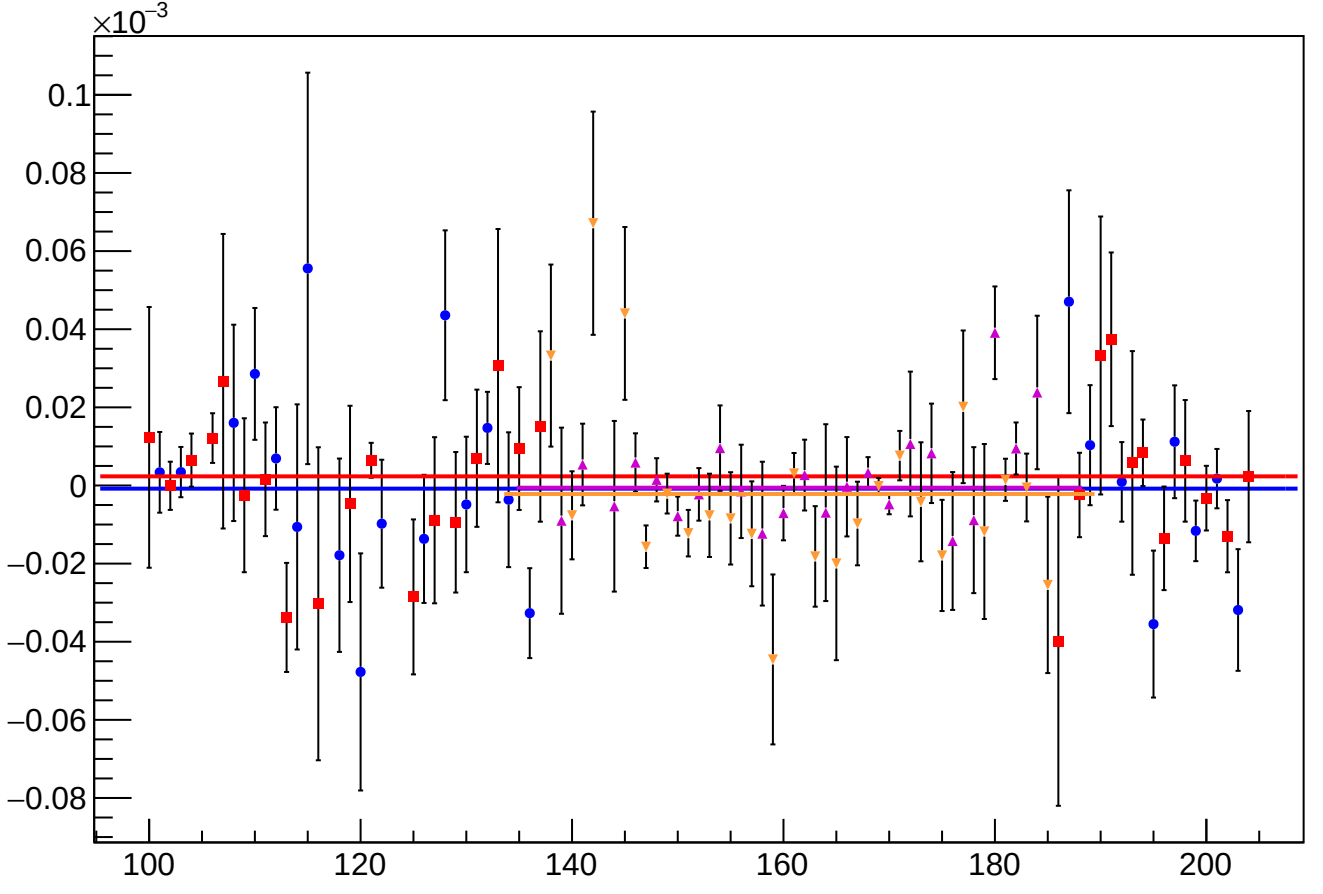
Right Out: 131.106+/-0.026 χ^2/NDF: 3198556.0/28

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 192.358+/-0.028 χ^2/NDF: 13321050.9/47

All: 176.362+/-0.018 χ^2/NDF: 30779397.6/99

- sign 164.498+/-0.024 χ^2/NDF: 16889131.9/51



Right In: -0.000+/-0.000 χ^2/NDF: 37.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

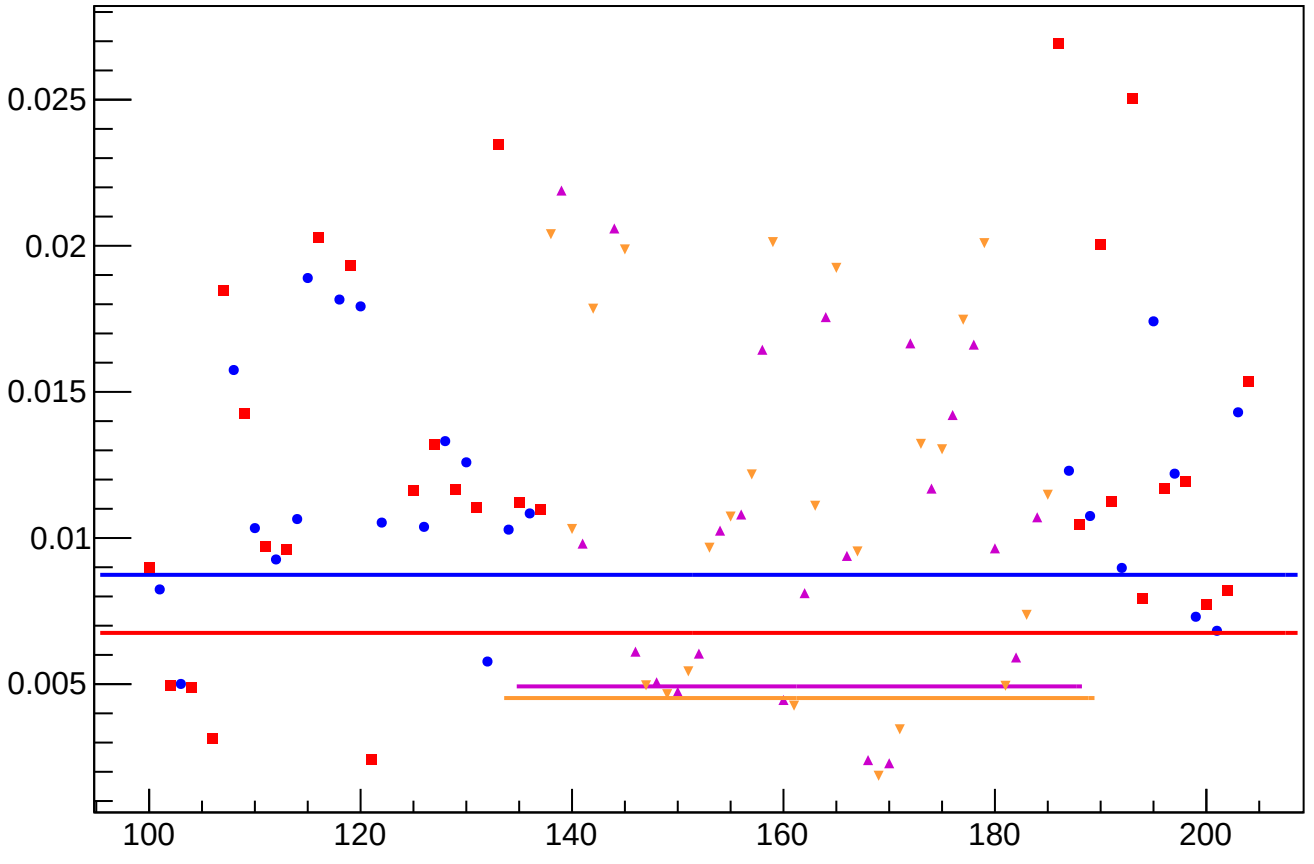
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/28

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.9/47

All: -0.000+/-0.000 χ^2/NDF: 130.9/99

- sign 0.000+/-0.000 χ^2/NDF: 53.2/51



Right In: 0.009+/-0.000 χ^2/NDF: 2995340.4/23

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

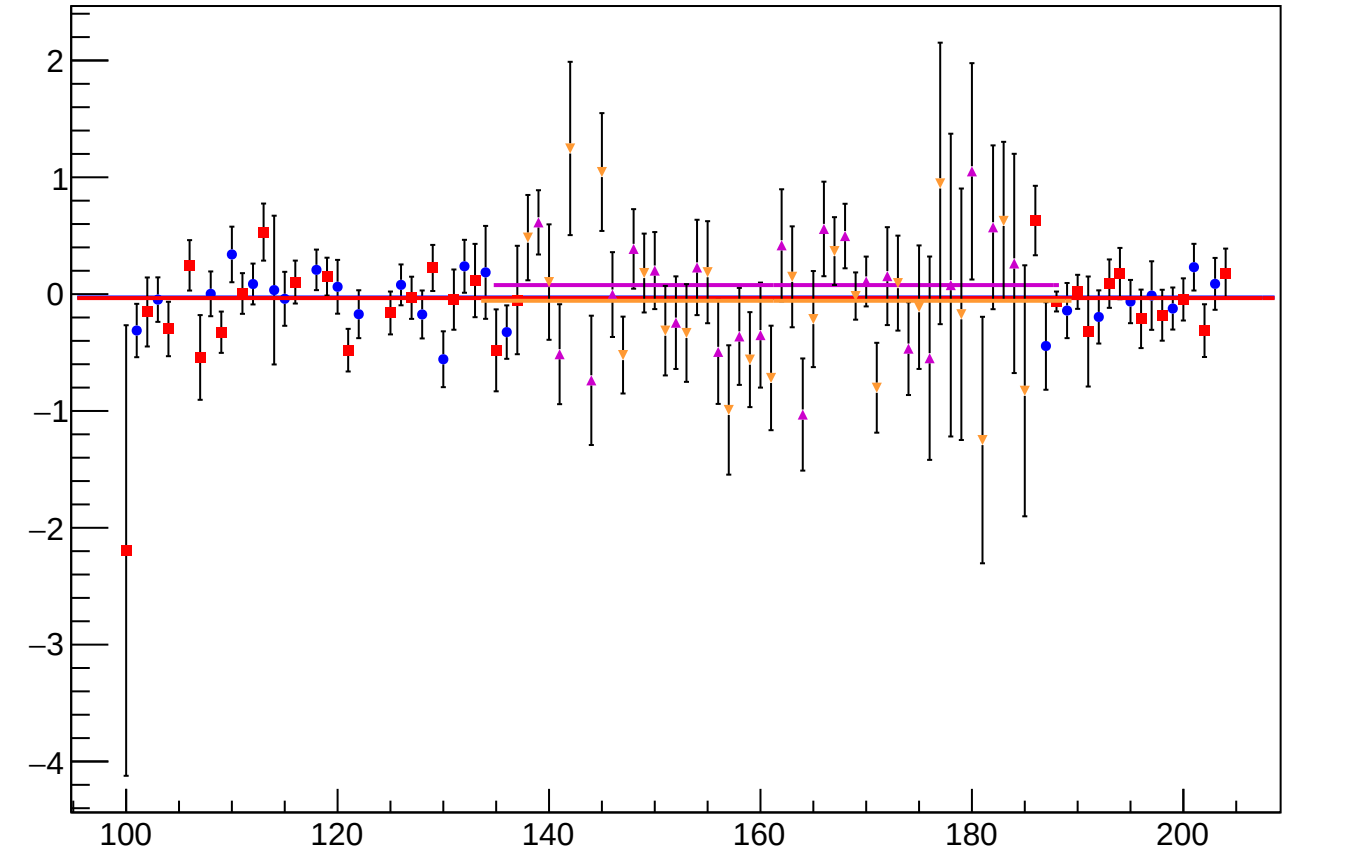
Right Out: 0.007+/-0.000 χ^2/NDF: 8496788.5/28

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 21246404.9/47

All: 0.005+/-0.000 χ^2/NDF: 42372716.2/99

- sign 0.006+/-0.000 χ^2/NDF: 21122694.5/51



Right In: -0.029+/-0.045 χ^2/NDF: 20.3/23

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

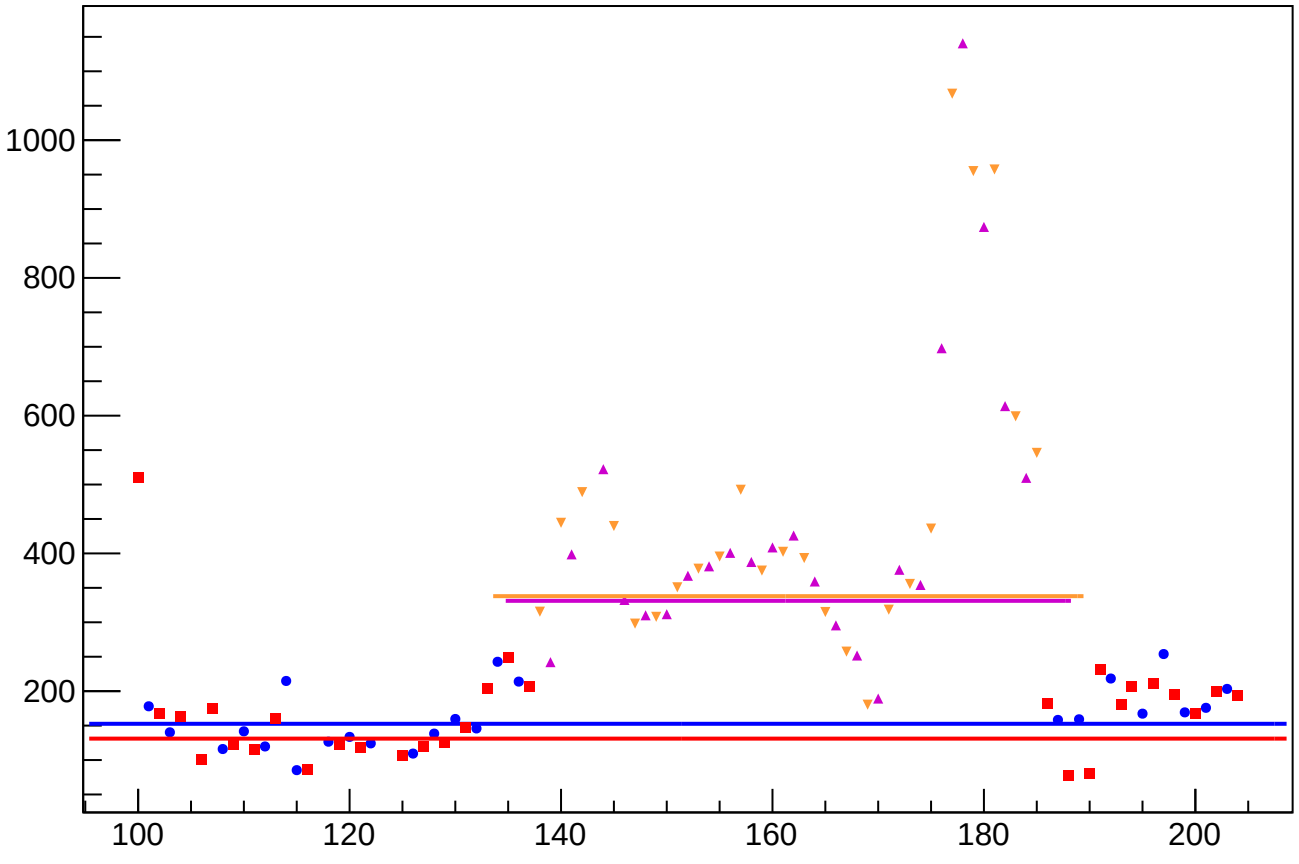
Right Out: -0.034+/-0.037 χ^2/NDF: 36.7/28

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

\+ sign -0.035+/-0.040 χ^2/NDF: 50.8/47

All: -0.024+/-0.026 χ^2/NDF: 116.2/99

\- sign -0.015+/-0.034 χ^2/NDF: 65.2/51



Right In: 152.628+/-0.032 χ^2/NDF: 1416399.4/23

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

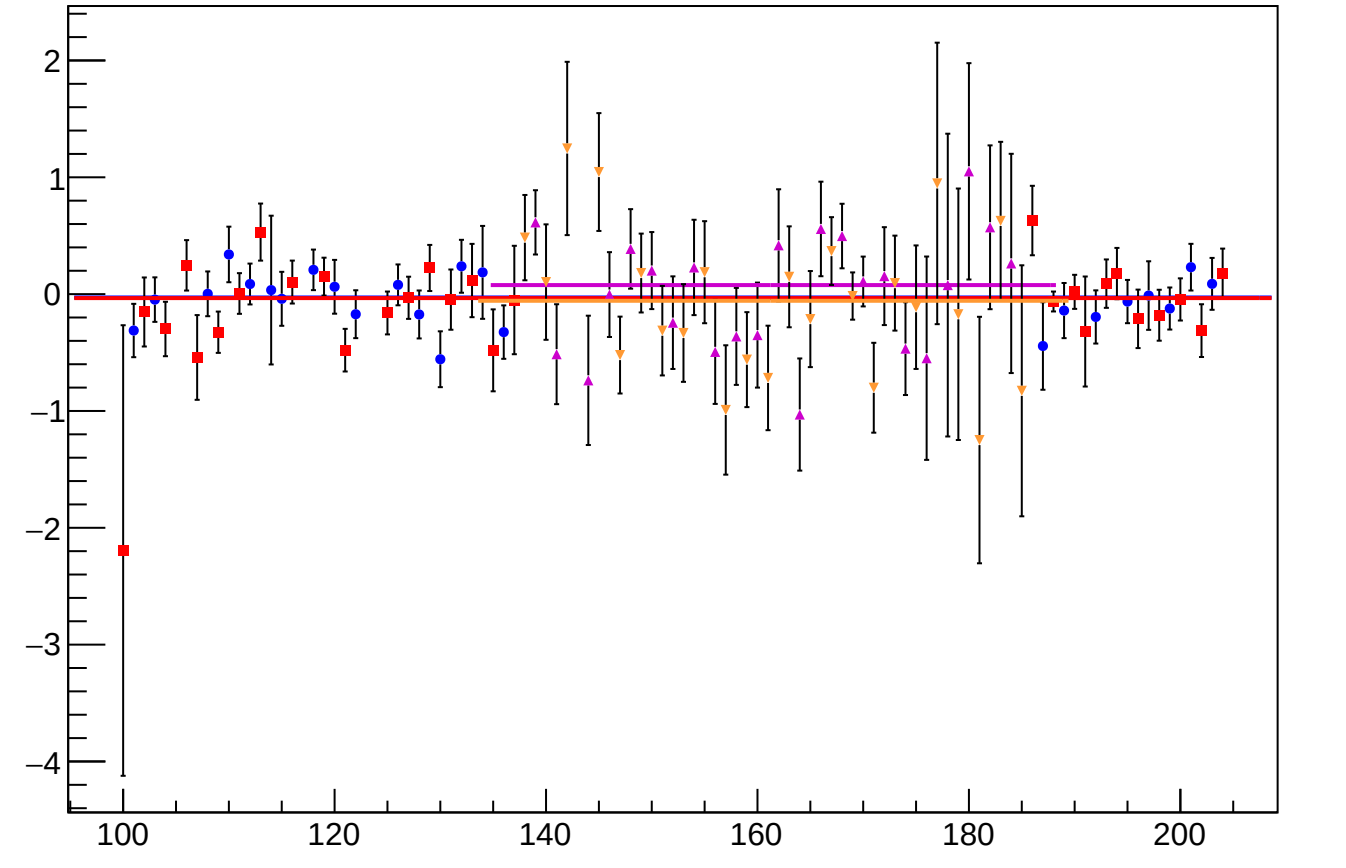
Right Out: 131.104+/-0.026 χ^2/NDF: 3198740.0/28

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 192.359+/-0.028 χ^2/NDF: 13321165.4/47

All: 176.361+/-0.018 χ^2/NDF: 30780095.0/99

- sign 164.496+/-0.024 χ^2/NDF: 16889630.4/51



Right In: -0.029+/-0.045 χ^2/NDF: 20.3/23

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

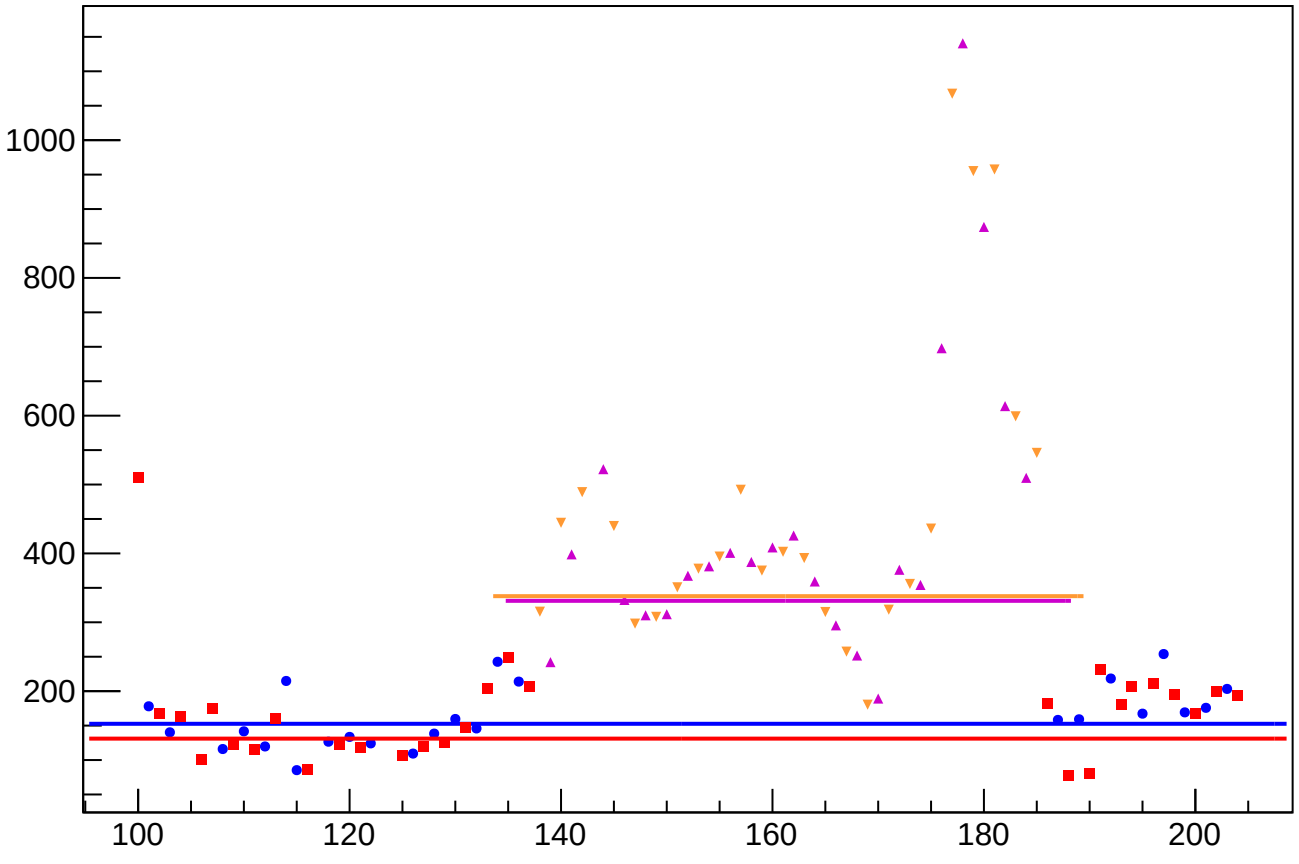
Right Out: -0.034+/-0.037 χ^2/NDF: 36.7/28

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.035+/-0.040 χ^2/NDF: 50.8/47

All: -0.024+/-0.026 χ^2/NDF: 116.2/99

- sign -0.015+/-0.034 χ^2/NDF: 65.2/51



Right In: 152.628+/-0.032 χ^2/NDF: 1416399.4/23

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

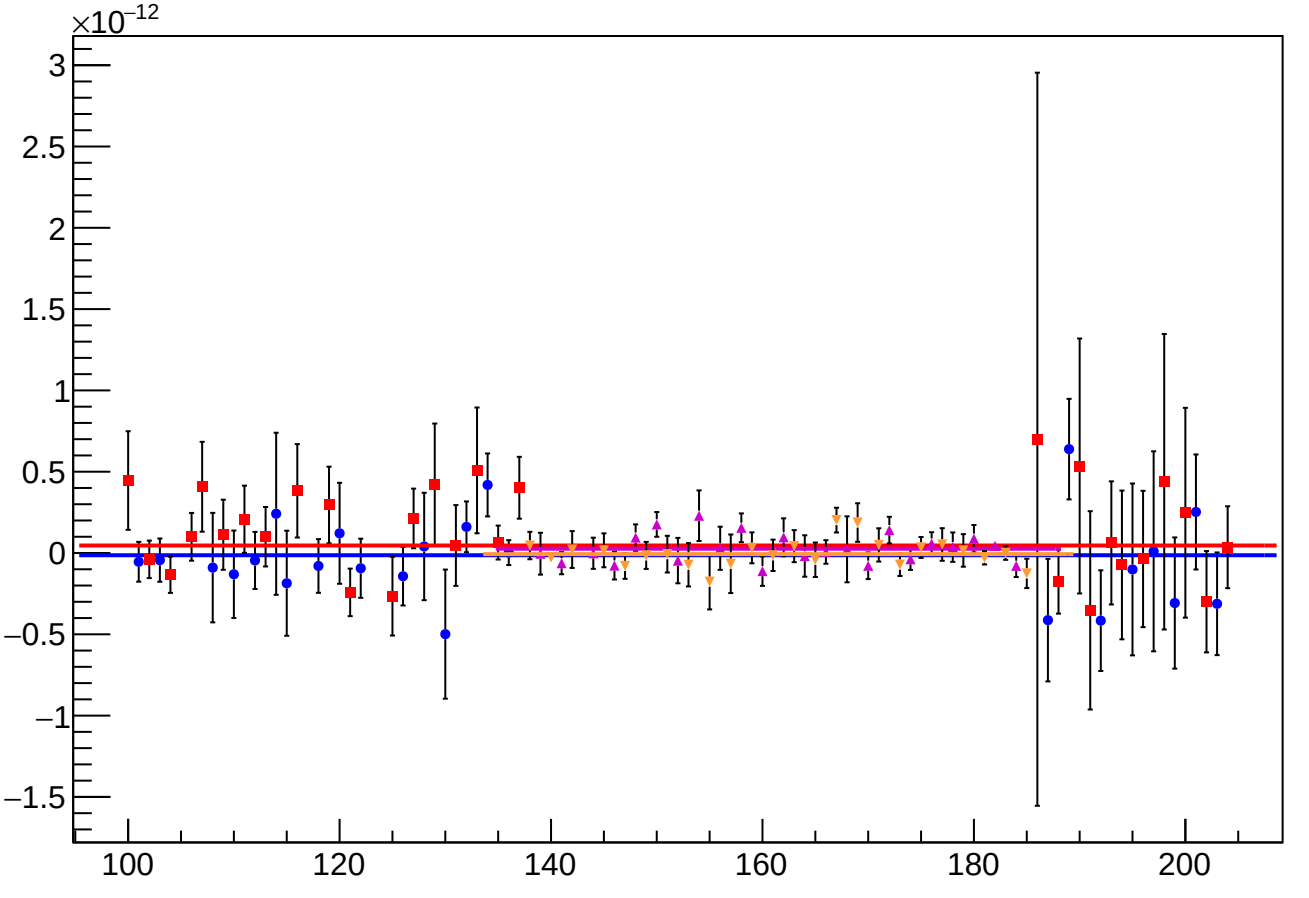
Right Out: 131.104+/-0.026 χ^2/NDF: 3198740.0/28

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 192.359+/-0.028 χ^2/NDF: 13321165.4/47

All: 176.361+/-0.018 χ^2/NDF: 30780095.0/99

- sign 164.496+/-0.024 χ^2/NDF: 16889630.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

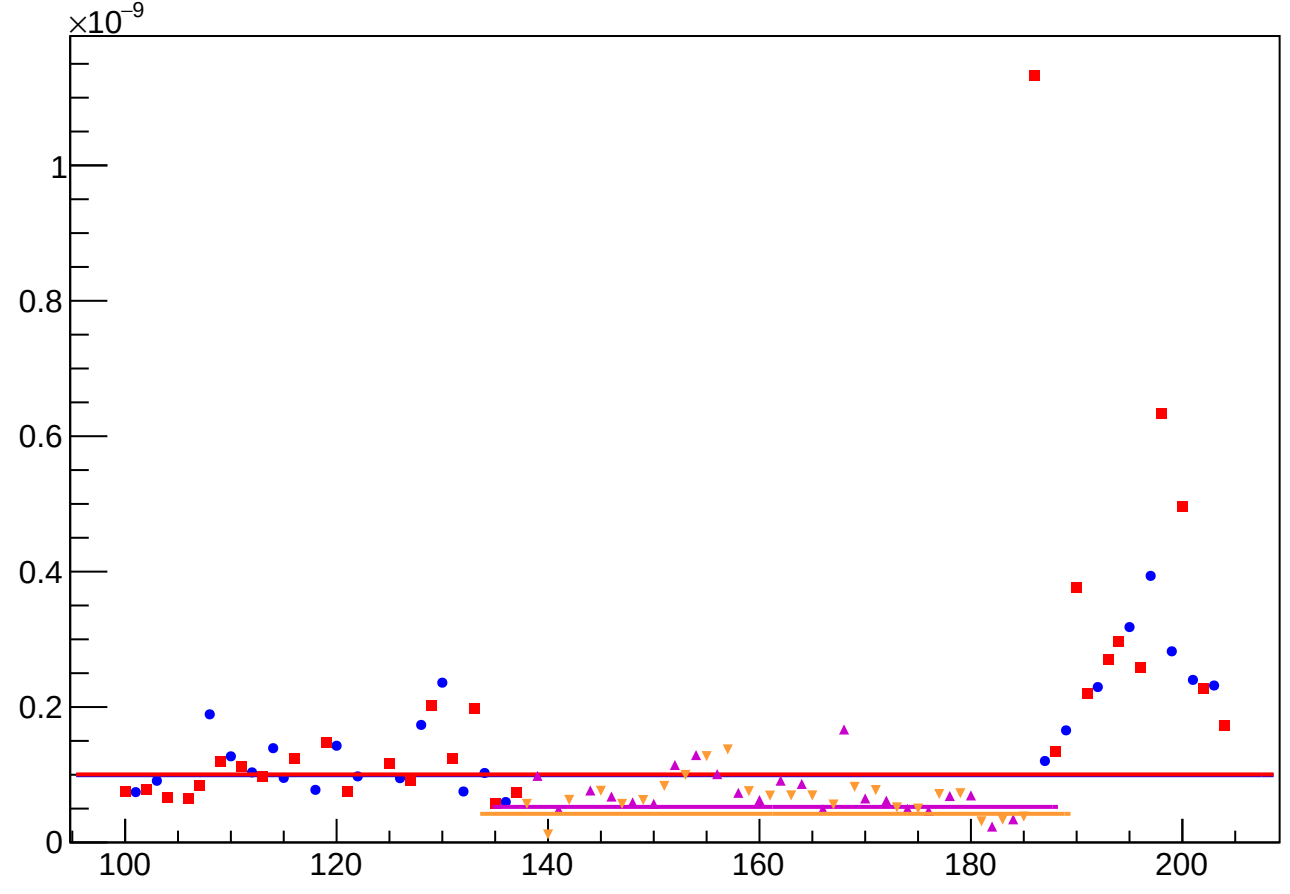
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/28

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.3/47

All: 0.000+/-0.000 χ^2/NDF: 89.7/99

- sign 0.000+/-0.000 χ^2/NDF: 49.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 3599920.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5042464.7/28

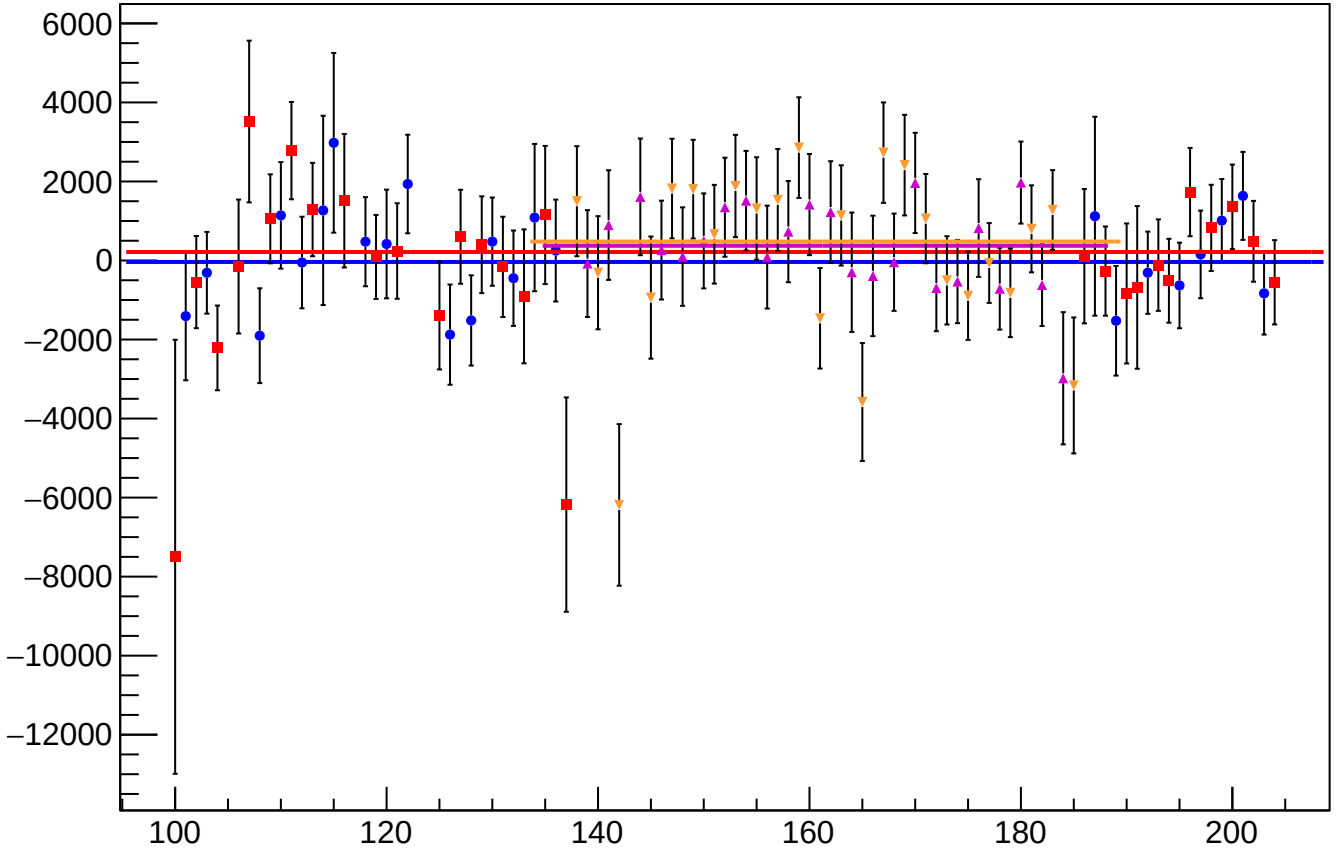
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13819661.2/47

All: 0.000+/-0.000 χ^2/NDF: 26901216.8/99

- sign 0.000+/-0.000 χ^2/NDF: 12503838.6/51

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -36.895+/-255.716 χ^2/NDF: 19.0/23

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 215.819+/-240.238 χ^2/NDF: 29.6/28

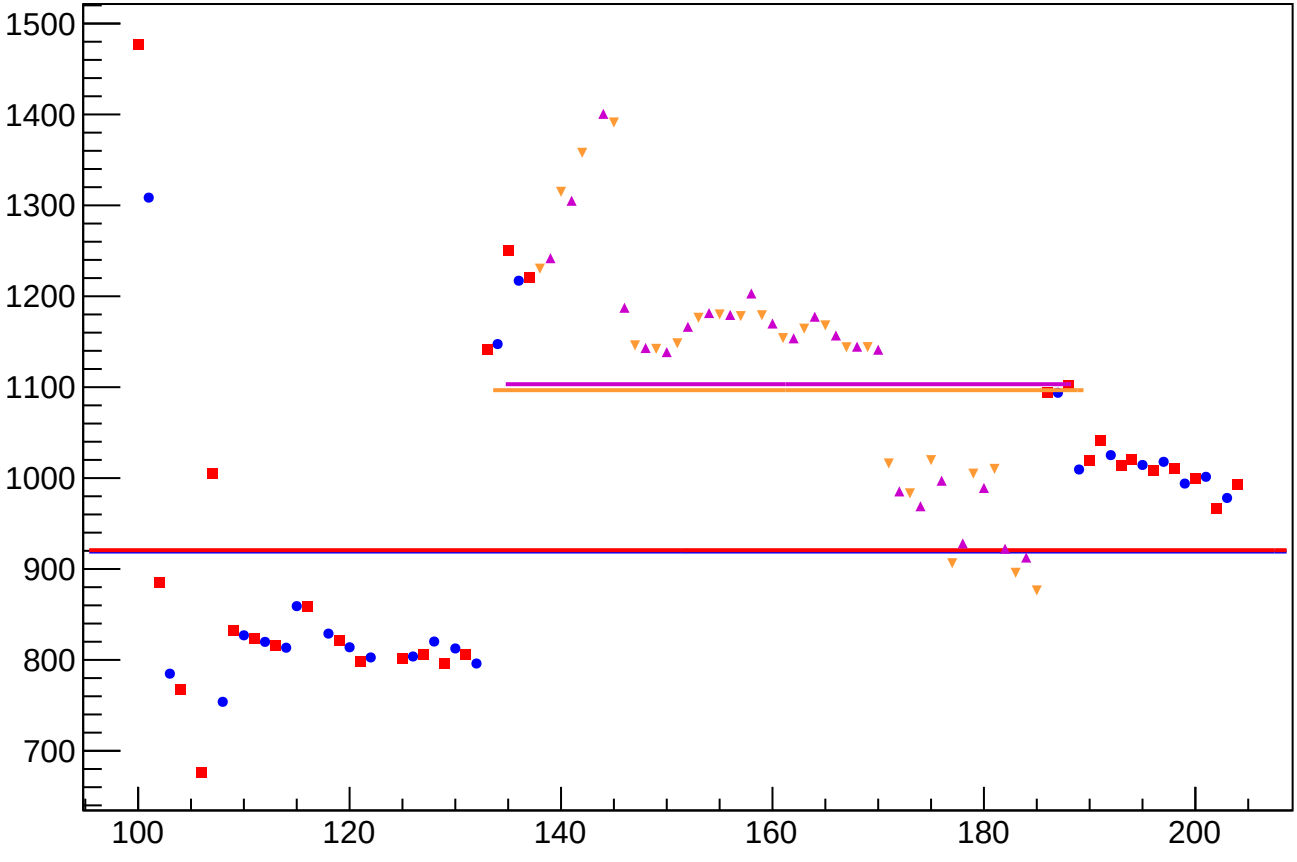
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 220.712+/-181.035 χ^2/NDF: 66.2/47

All: 255.456+/-126.279 χ^2/NDF: 112.0/99

- sign 288.382+/-176.232 χ^2/NDF: 45.8/51

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 919.206+/-0.181 χ^2/NDF: 563048.0/23

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 920.684+/-0.169 χ^2/NDF: 585700.2/28

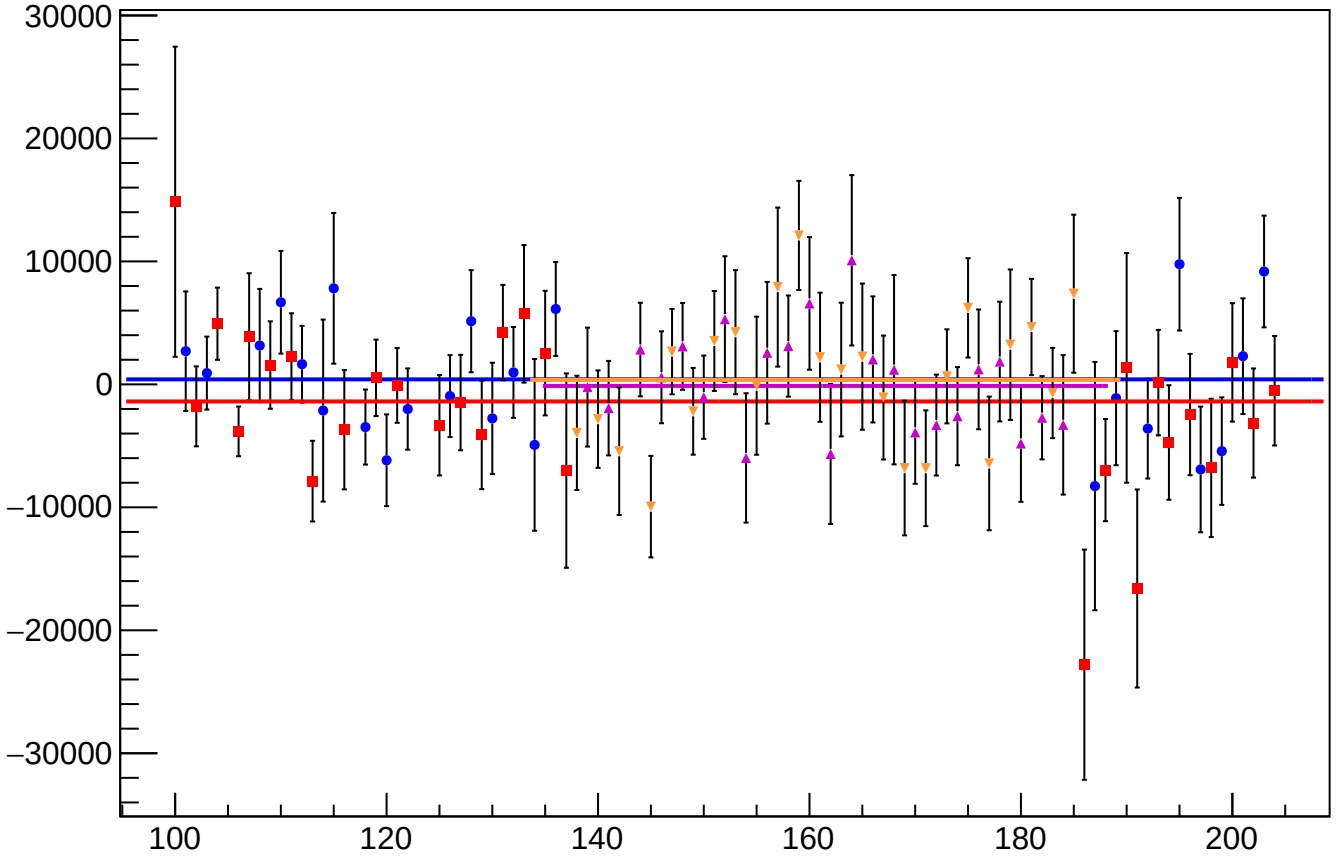
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1007.746+/-0.128 χ^2/NDF: 1524235.9/47

All: 1006.015+/-0.089 χ^2/NDF: 3094905.4/99

- sign 1004.388+/-0.124 χ^2/NDF: 1570314.9/51

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 406.555+/-857.106 χ^2/NDF: 27.2/23

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -1387.926+/-755.879 χ^2/NDF: 33.6/28

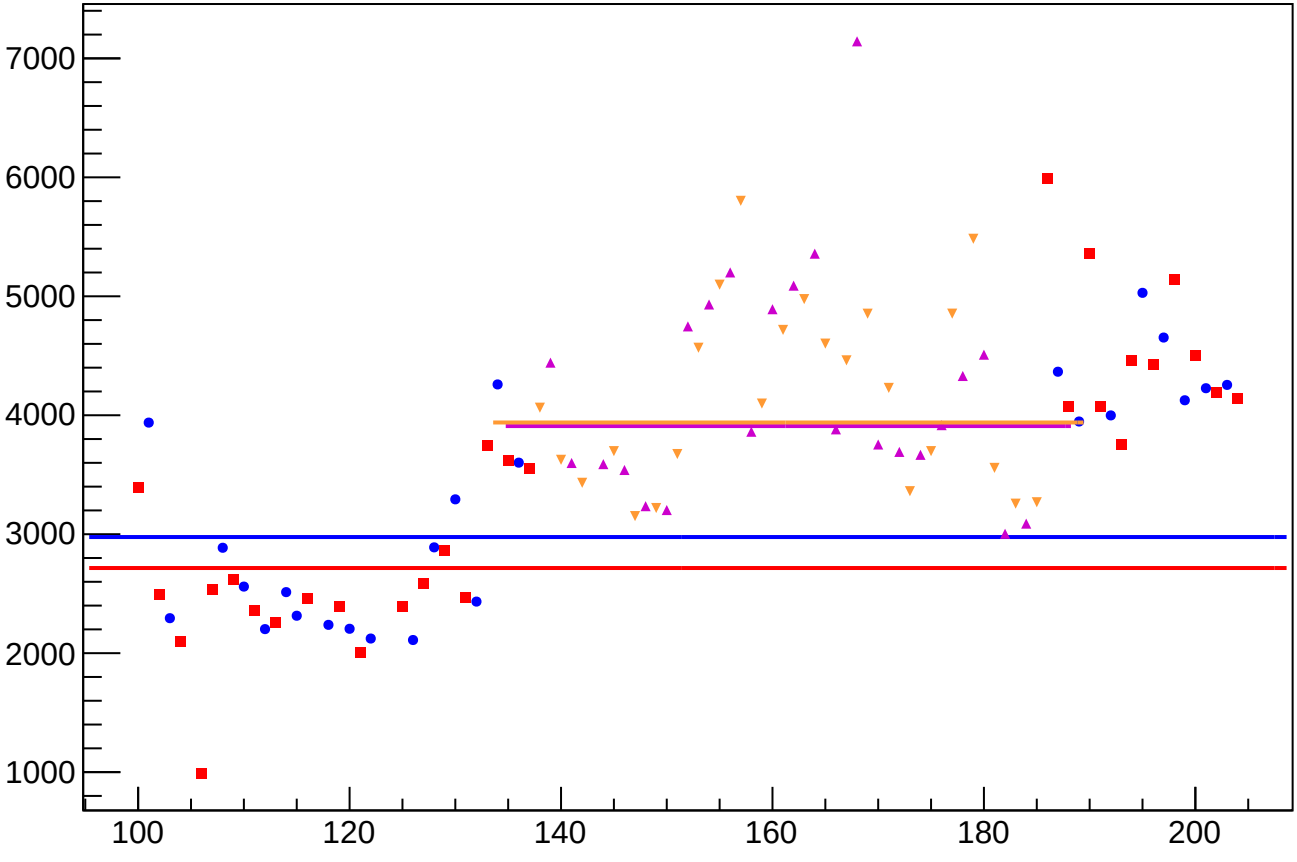
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 384.240+/-631.571 χ^2/NDF: 57.5/47

All: -298.055+/-430.057 χ^2/NDF: 108.1/99

- sign -887.914+/-587.232 χ^2/NDF: 48.5/51

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2976.255+/-0.606 χ^2/NDF: 2176569.8/23

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

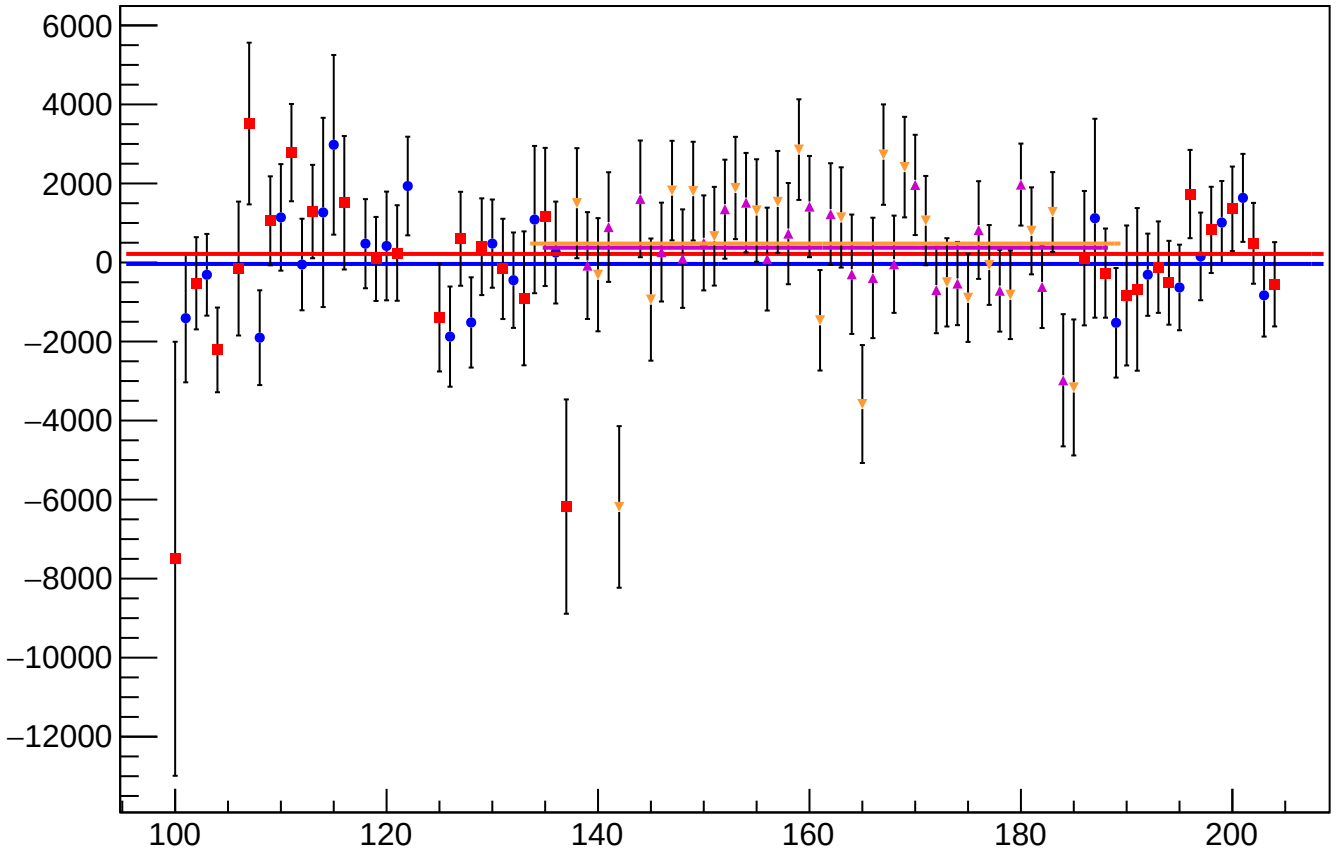
Right Out: 2715.803+/-0.534 χ^2/NDF: 4327956.0/28

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3416.379+/-0.447 χ^2/NDF: 4423128.2/47

All: 3294.373+/-0.304 χ^2/NDF: 12167226.4/9

- sign 3188.897+/-0.415 χ^2/NDF: 7604938.7/51



Right In: -36.913+/-255.716 χ^2/NDF: 19.0/23

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 216.750+/-240.240 χ^2/NDF: 29.5/28

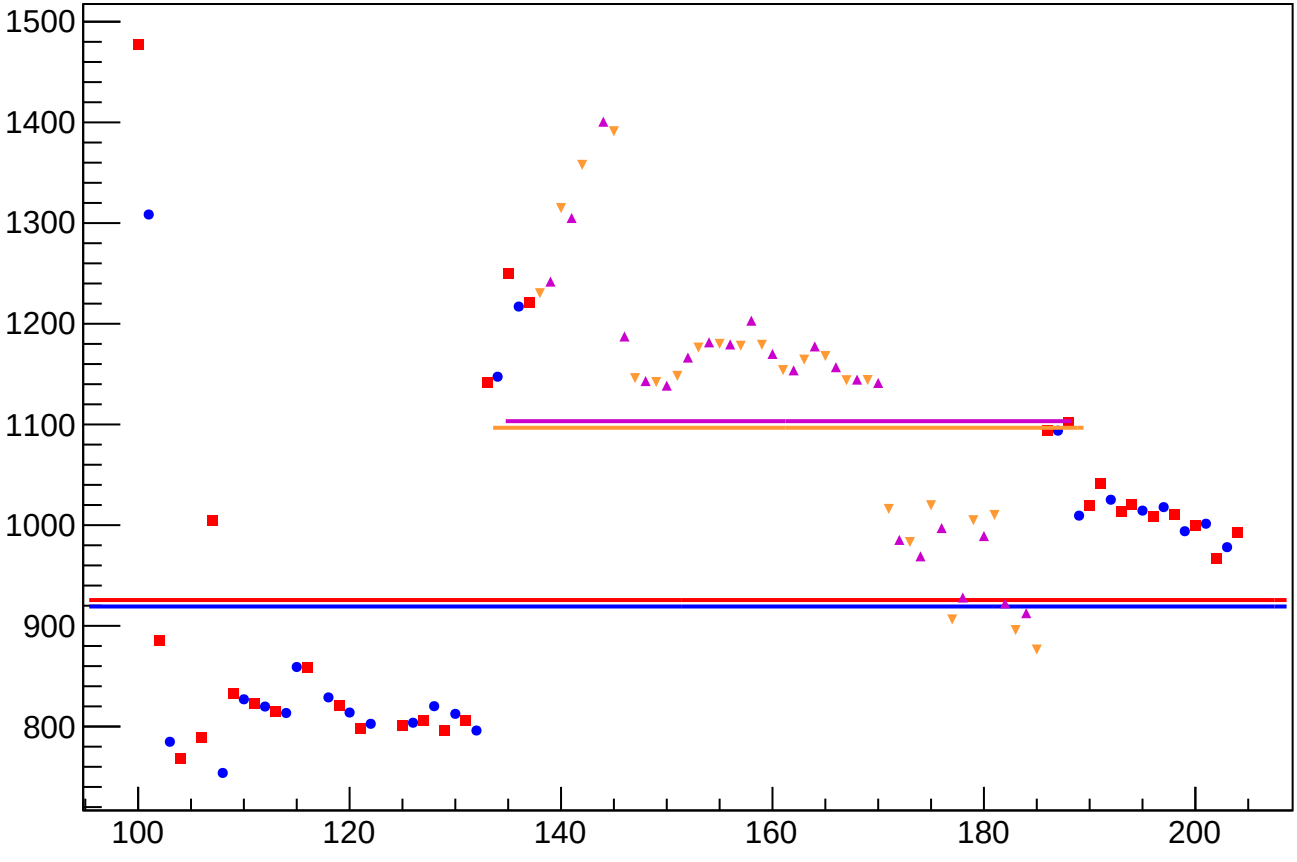
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 220.716+/-181.035 χ^2/NDF: 66.2/47

All: 255.710+/-126.279 χ^2/NDF: 112.0/99

- sign 288.872+/-176.233 χ^2/NDF: 45.8/51

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 919.206+/-0.181 χ^2/NDF: 563047.9/23

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 925.617+/-0.169 χ^2/NDF: 529384.8/28

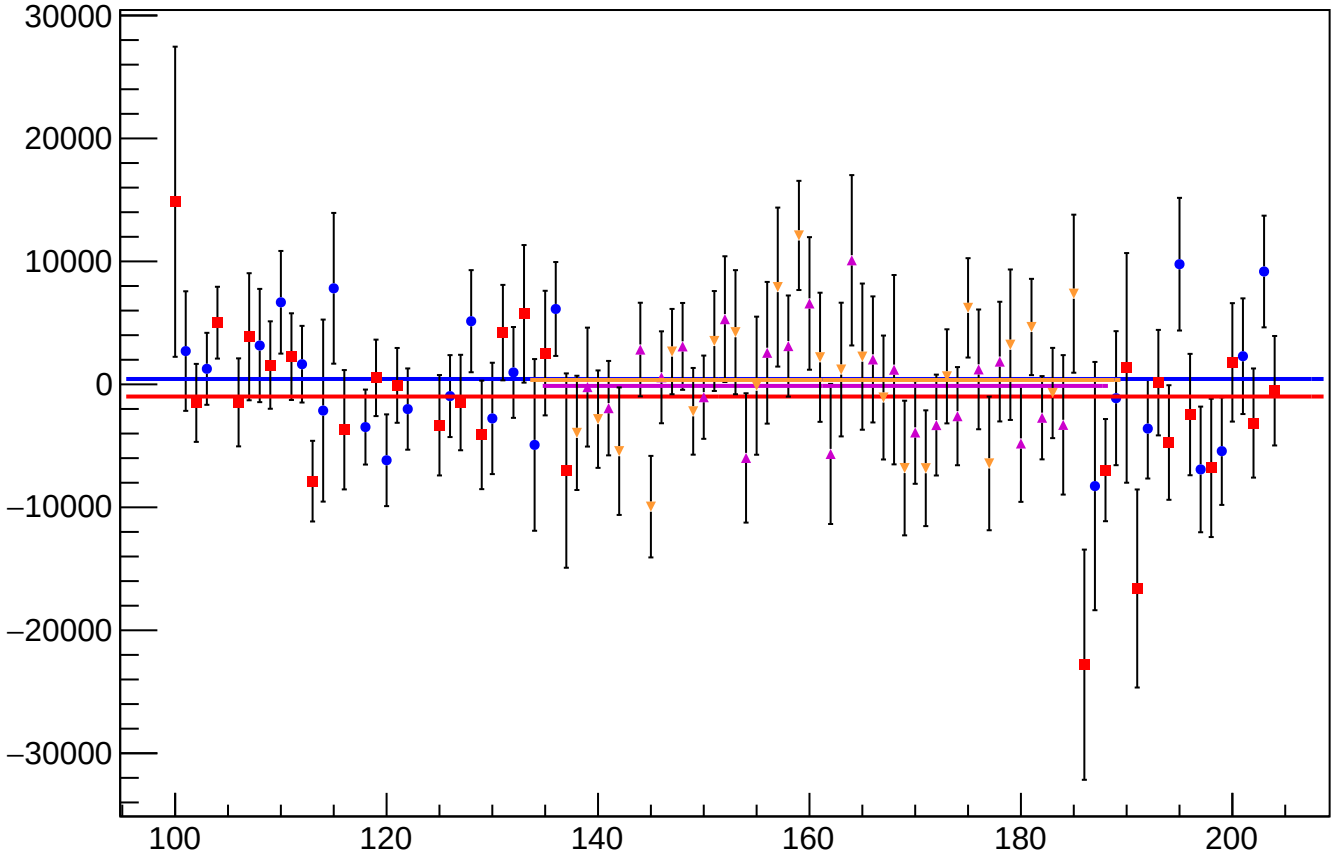
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1007.746+/-0.128 χ^2/NDF: 1524236.0/47

All: 1007.578+/-0.089 χ^2/NDF: 3007710.7/99

- sign 1007.420+/-0.124 χ^2/NDF: 1483471.4/51

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 437.760+/-856.150 χ^2/NDF: 27.3/23

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -989.378+/-793.126 χ^2/NDF: 32.1/28

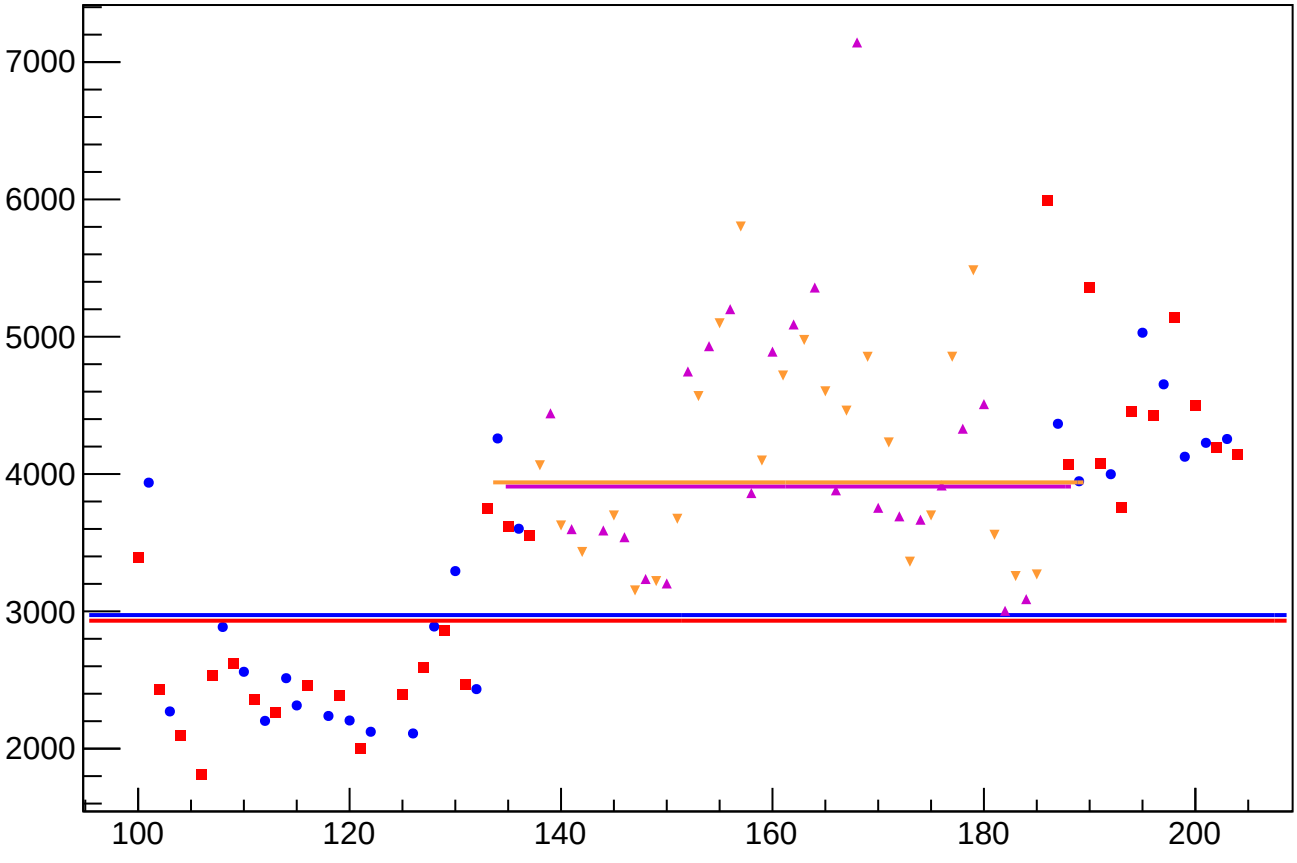
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 401.227+/-631.188 χ^2/NDF: 57.5/47

All: -135.502+/-436.460 χ^2/NDF: 105.2/99

- sign -627.301+/-604.193 χ^2/NDF: 46.3/51

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2972.751+/-0.605 χ^2/NDF: 2186713.8/23

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2931.845+/-0.561 χ^2/NDF: 2855302.2/28

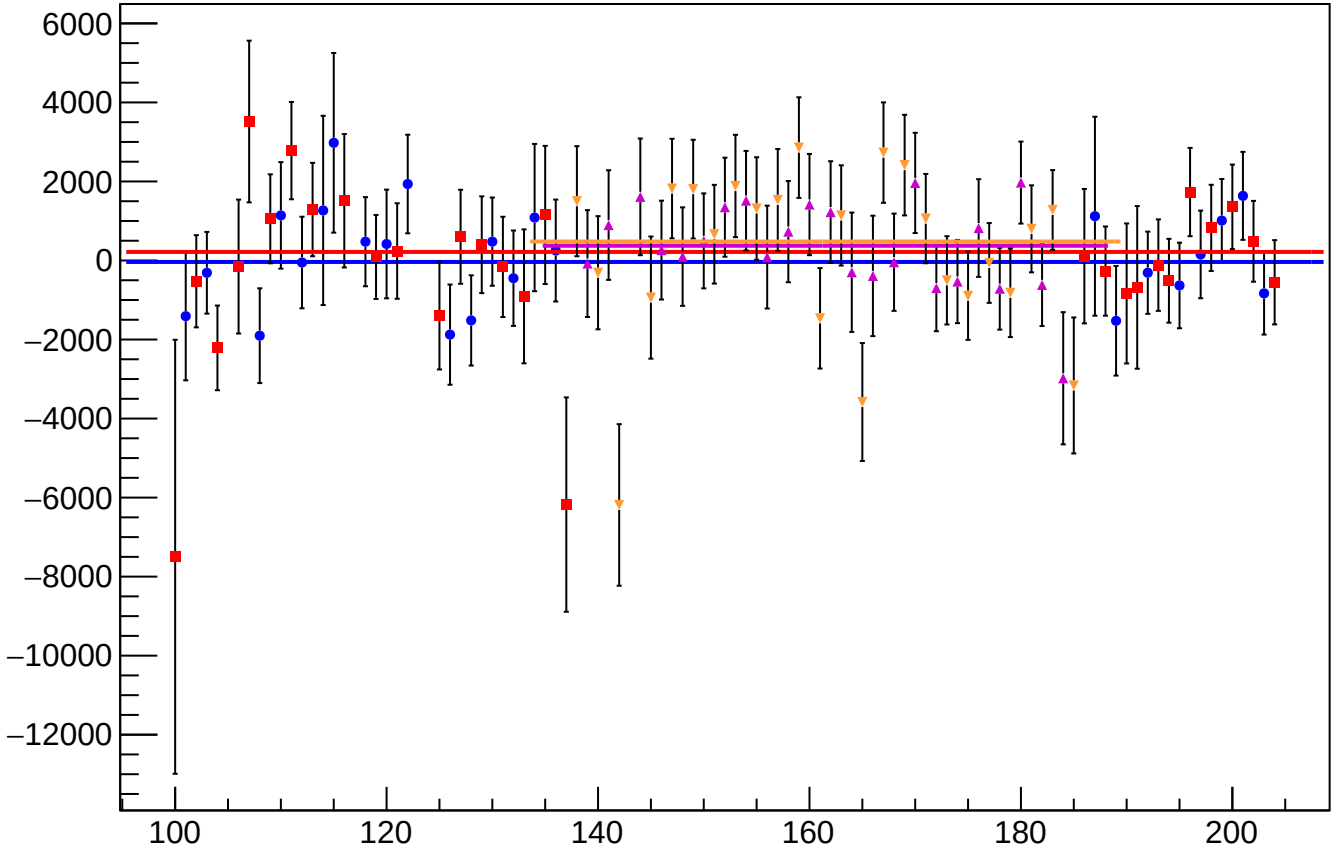
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3413.943+/-0.446 χ^2/NDF: 4442869.5/47

All: 3376.396+/-0.309 χ^2/NDF: 9886915.1/99

- sign 3341.992+/-0.427 χ^2/NDF: 5430483.6/51

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -36.913+/-255.716 χ^2/NDF: 19.0/23

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 216.750+/-240.240 χ^2/NDF: 29.5/28

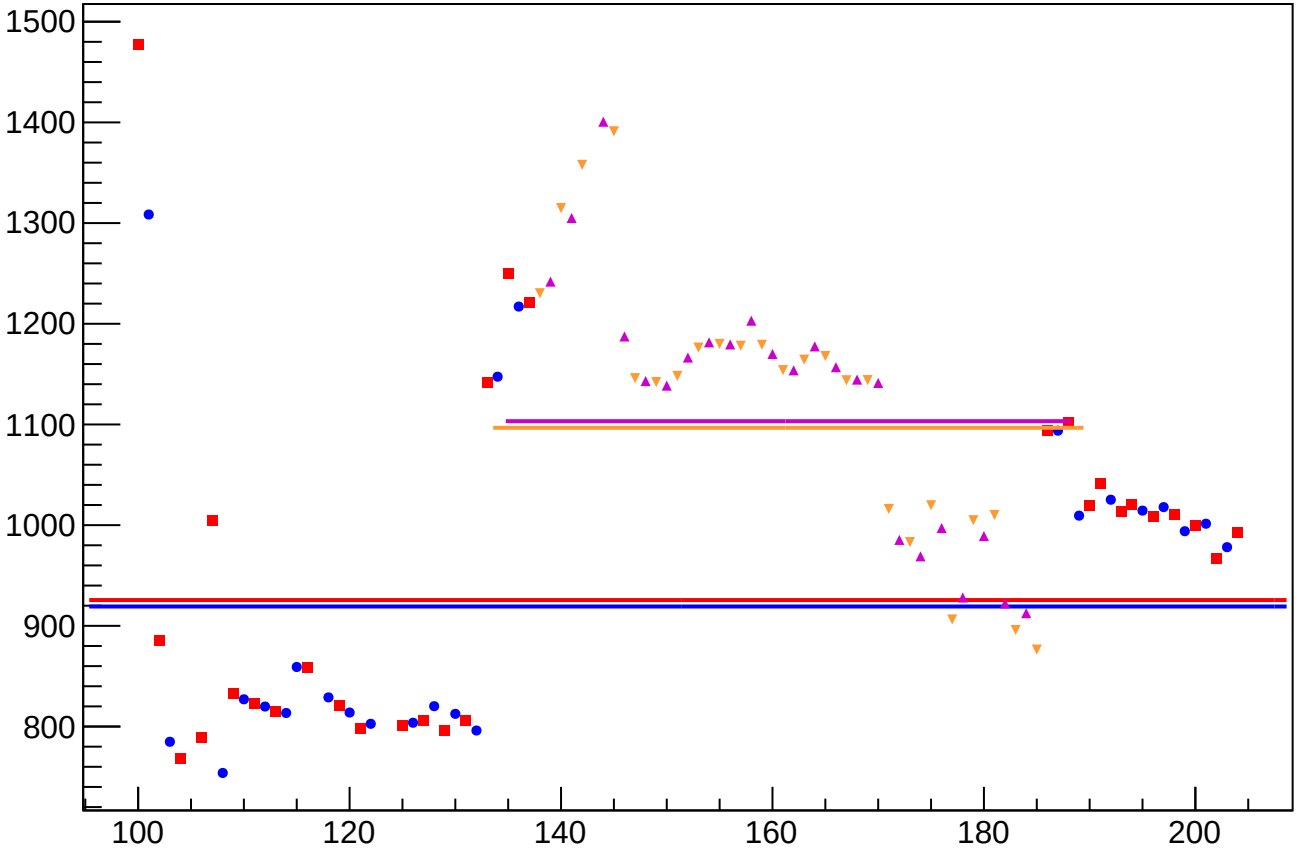
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 220.716+/-181.035 χ^2/NDF: 66.2/47

All: 255.710+/-126.279 χ^2/NDF: 112.0/99

- sign 288.872+/-176.233 χ^2/NDF: 45.8/51

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 919.206+/-0.181 χ^2/NDF: 563047.9/23

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

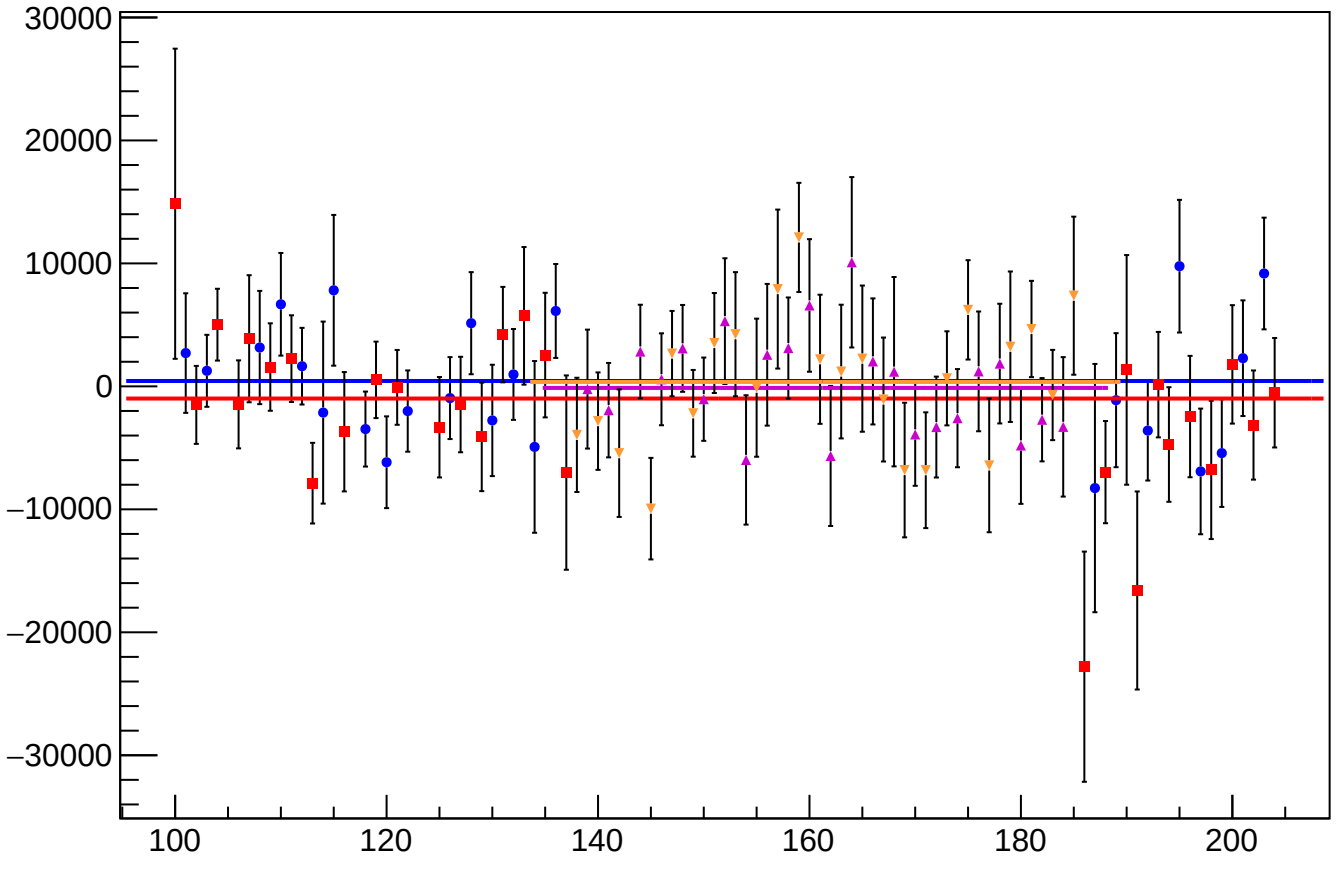
Right Out: 925.617+/-0.169 χ^2/NDF: 529384.8/28

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1007.746+/-0.128 χ^2/NDF: 1524236.0/47

All: 1007.578+/-0.089 χ^2/NDF: 3007710.7/99

- sign 1007.420+/-0.124 χ^2/NDF: 1483471.4/51



Right In: 437.760+/-856.150 χ^2/NDF: 27.3/23

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -989.378+/-793.126 χ^2/NDF: 32.1/28

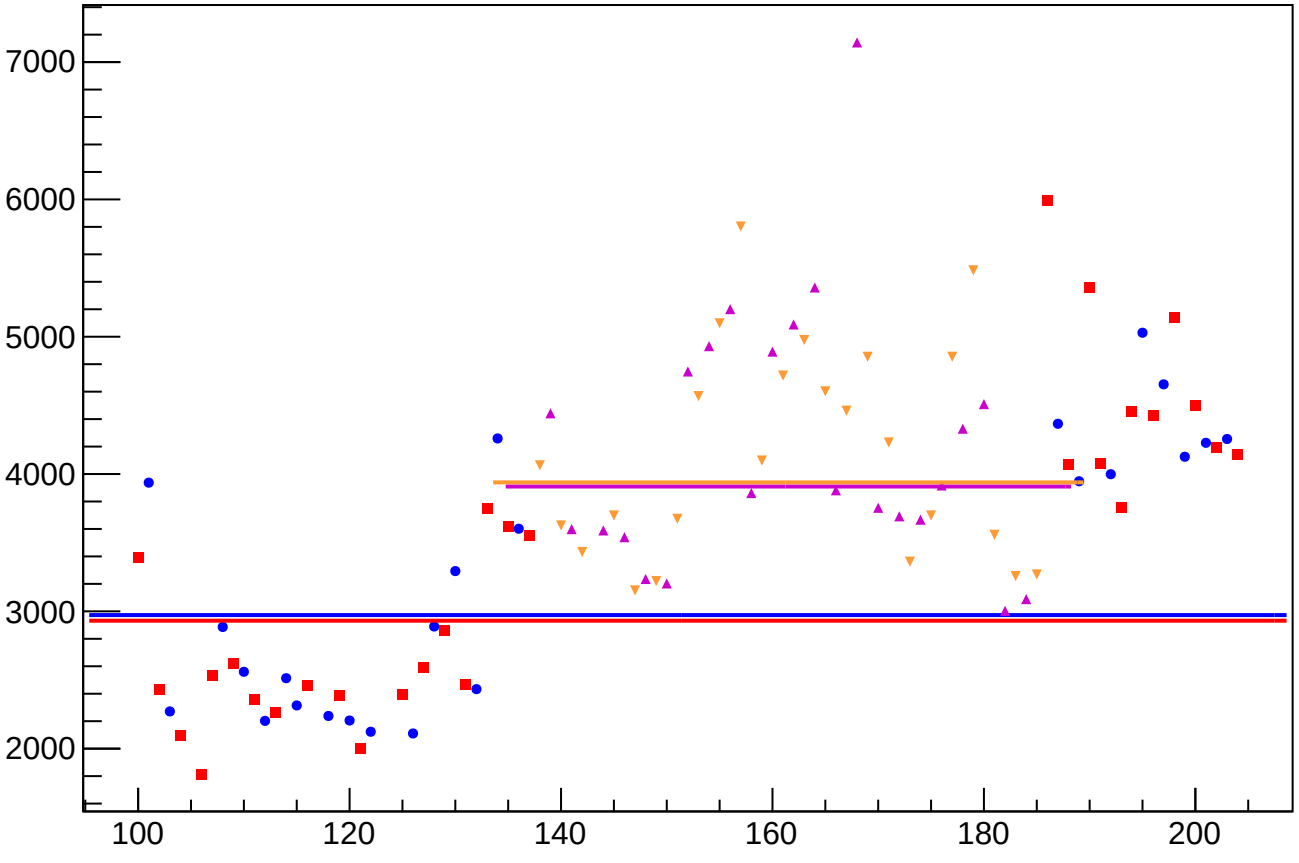
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 401.227+/-631.188 χ^2/NDF: 57.5/47

All: -135.502+/-436.460 χ^2/NDF: 105.2/99

- sign -627.301+/-604.193 χ^2/NDF: 46.3/51

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 2972.751+/-0.605 χ^2/NDF: 2186713.8/23

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2931.845+/-0.561 χ^2/NDF: 2855302.2/28

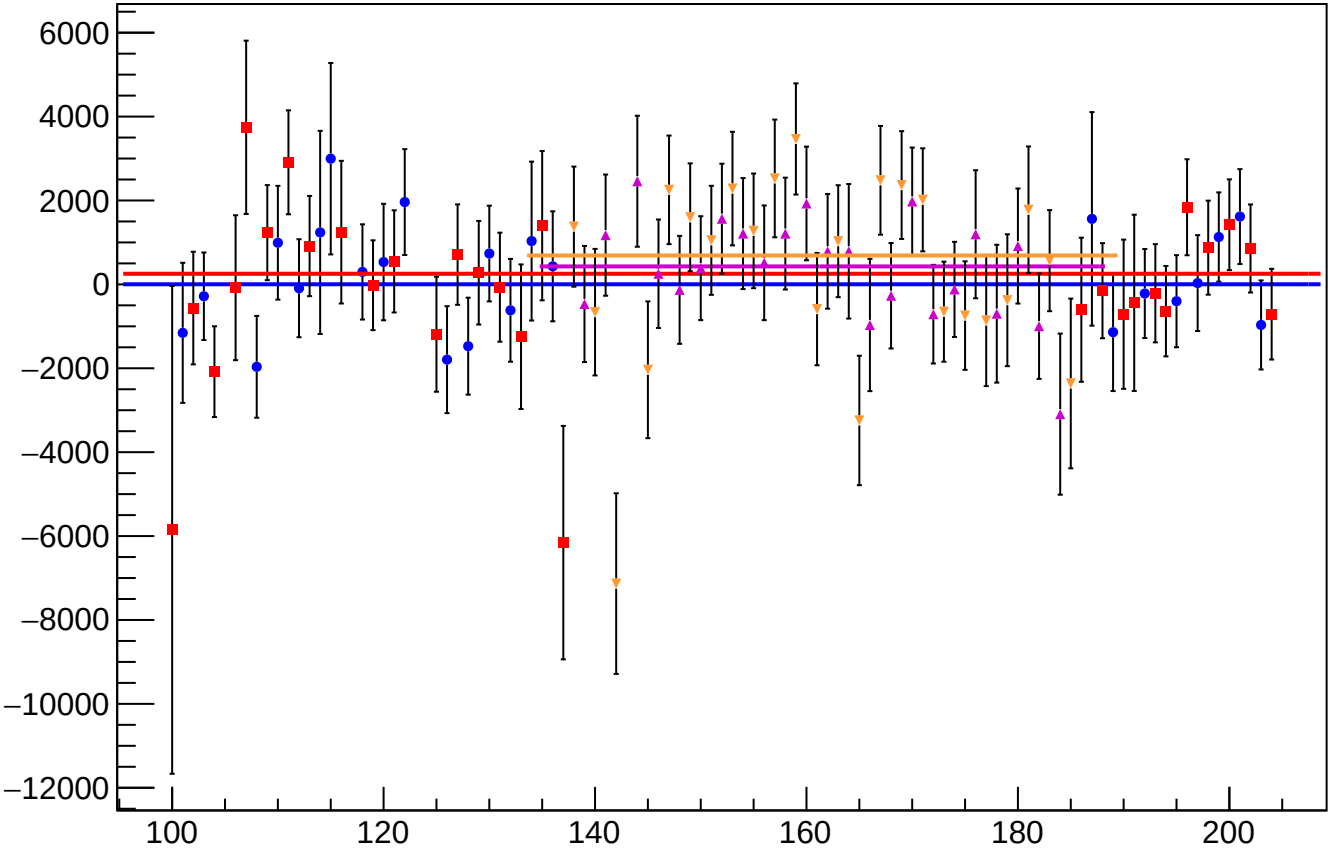
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3413.943+/-0.446 χ^2/NDF: 4442869.5/47

All: 3376.396+/-0.309 χ^2/NDF: 9886915.1/99

- sign 3341.992+/-0.427 χ^2/NDF: 5430483.6/51

dit_asym_usl_atl2_dd_mean vs Slug



Right In: 2.443+/-259.274 χ^2/NDF: 18.2/23

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 253.281+/-244.548 χ^2/NDF: 29.1/28

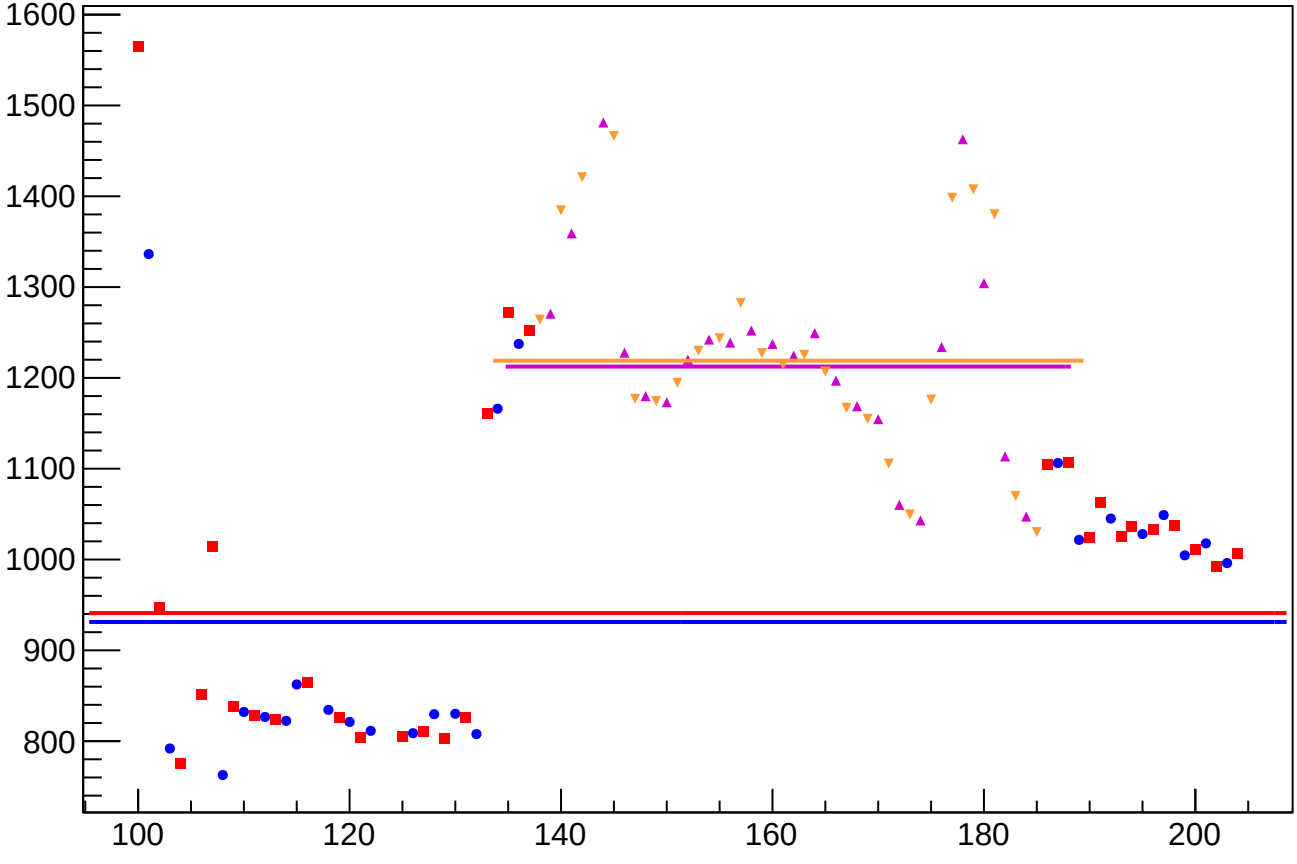
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

\+ sign 314.114+/-191.599 χ^2/NDF: 67.2/47

All: 321.067+/-133.243 χ^2/NDF: 111.0/99

\- sign 327.579+/-185.420 χ^2/NDF: 43.9/51

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 931.224+/-0.183 χ^2/NDF: 585672.7/23

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 941.050+/-0.173 χ^2/NDF: 539485.4/28

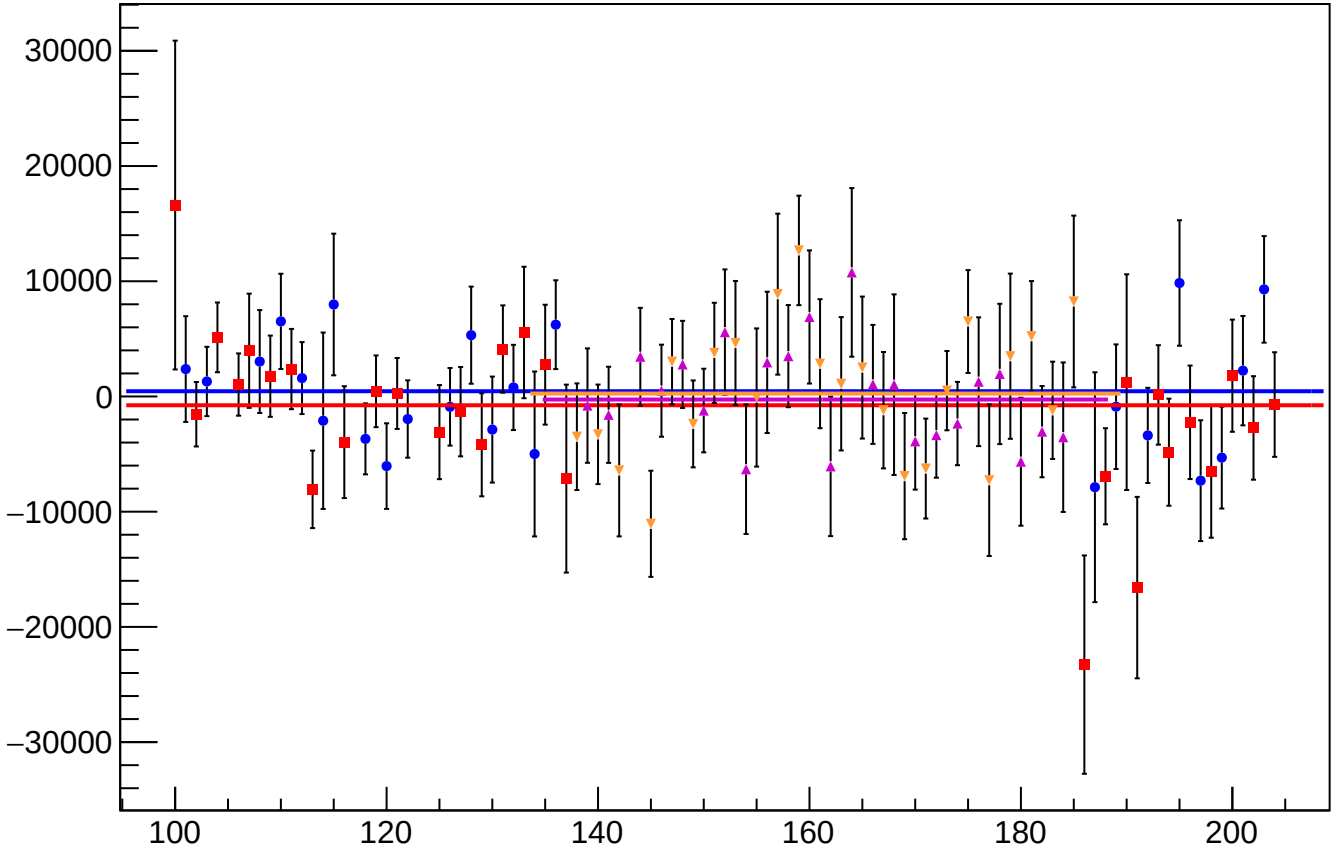
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1061.814+/-0.135 χ^2/NDF: 1997357.2/47

All: 1058.992+/-0.094 χ^2/NDF: 3845662.4/99

- sign 1056.351+/-0.131 χ^2/NDF: 1847465.3/51

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 455.775+/-861.871 χ^2/NDF: 27.0/23

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -762.301+/-776.380 χ^2/NDF: 32.6/28

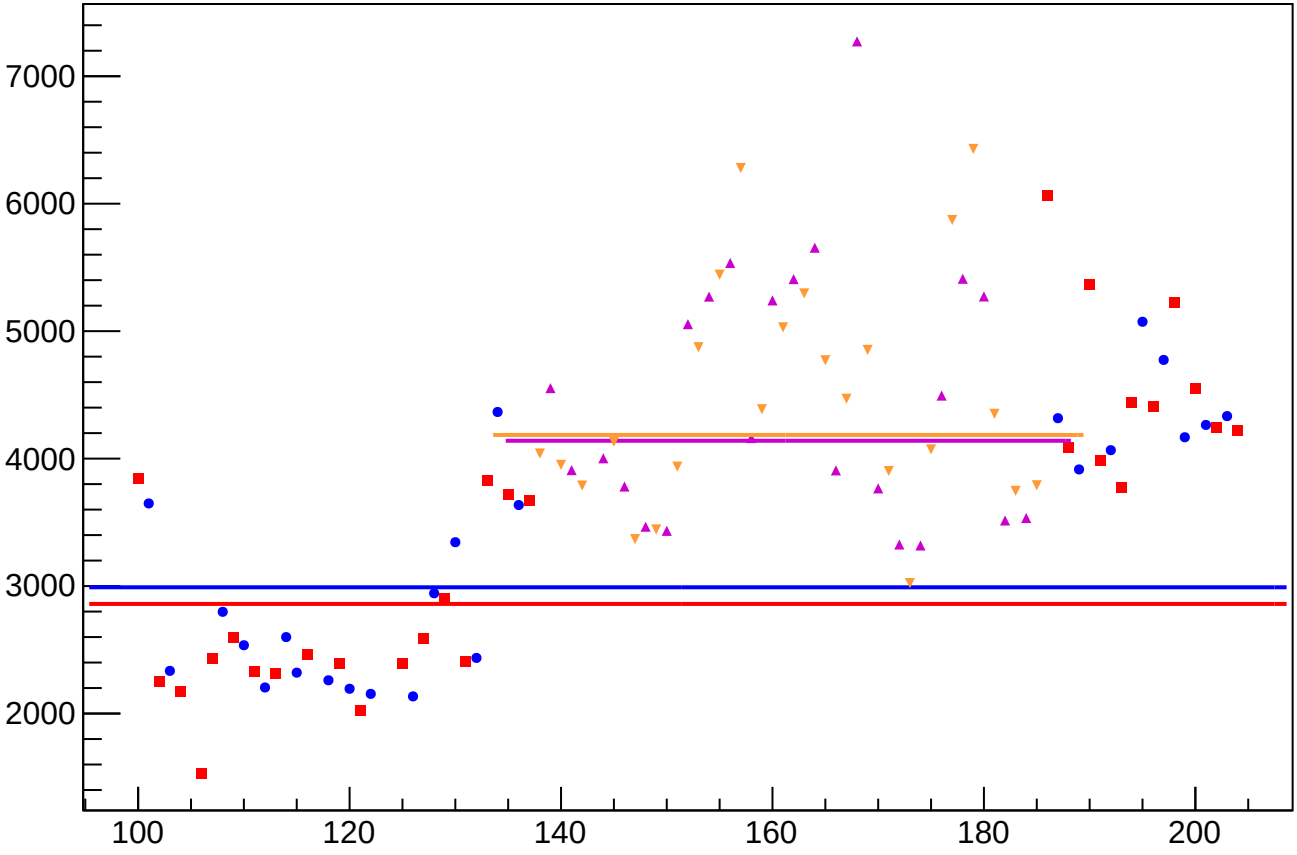
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 368.782+/-651.498 χ^2/NDF: 56.7/47

All: -132.552+/-445.650 χ^2/NDF: 104.0/99

- sign -573.415+/-610.944 χ^2/NDF: 46.2/51

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2990.470+/-0.609 χ^2/NDF: 2172420.3/23

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2859.977+/-0.549 χ^2/NDF: 3278234.3/28

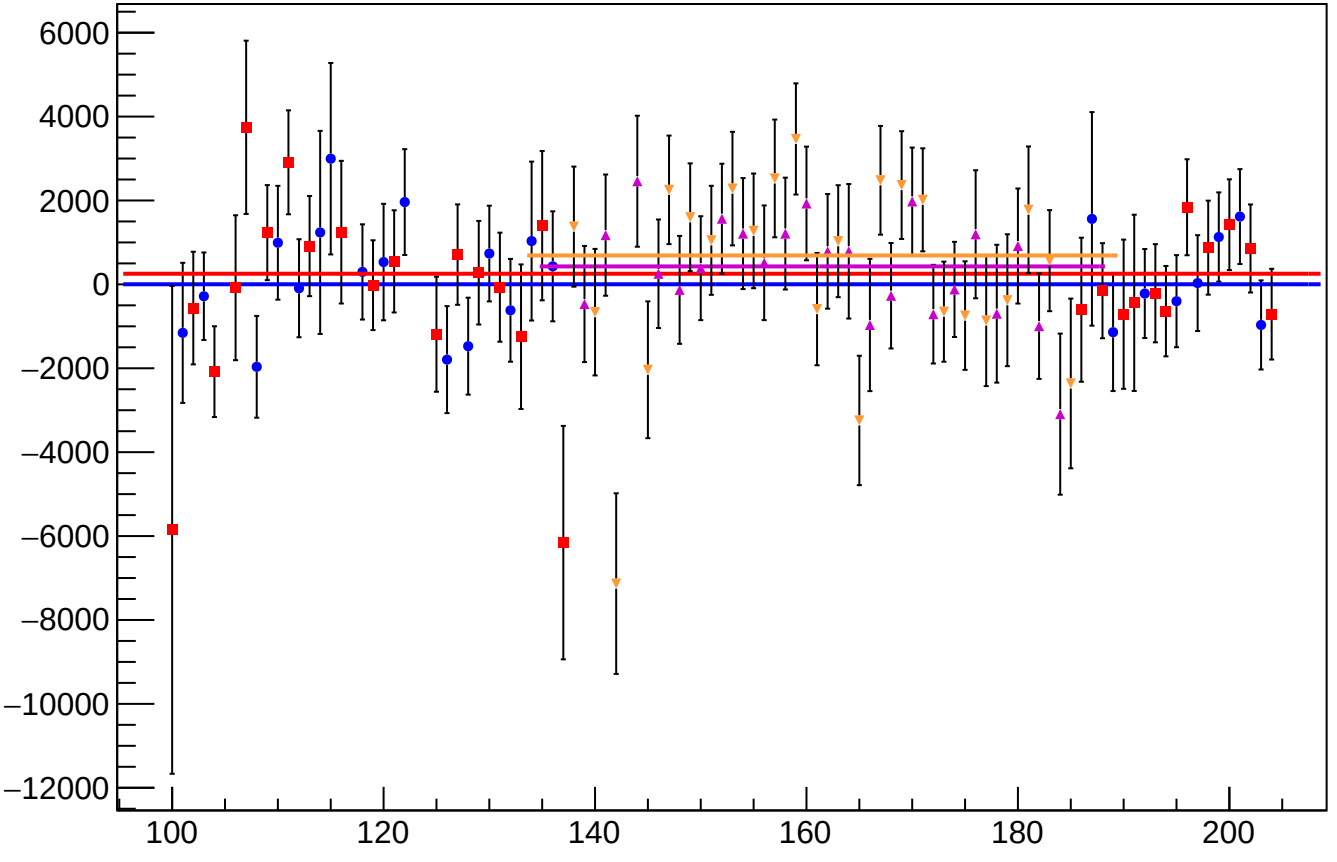
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3502.724+/-0.461 χ^2/NDF: 5092082.0/47

All: 3420.071+/-0.315 χ^2/NDF: 11950931.5/9

- sign 3347.388+/-0.432 χ^2/NDF: 6798352.3/51

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: 2.445+/-259.275 χ^2/NDF: 18.2/23

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 253.284+/-244.548 χ^2/NDF: 29.1/28

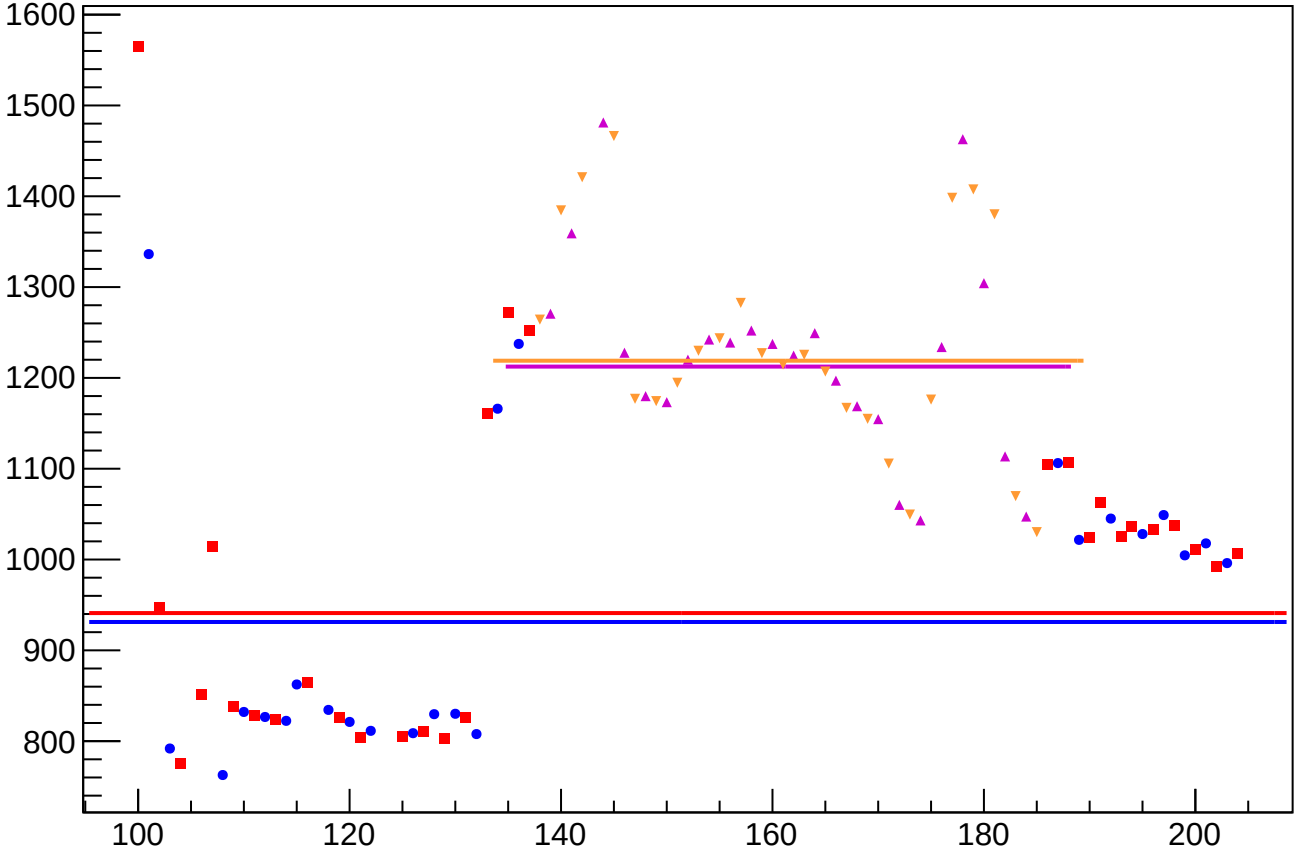
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 314.116+/-191.599 χ^2/NDF: 67.2/47

All: 321.068+/-133.243 χ^2/NDF: 111.0/99

- sign 327.579+/-185.420 χ^2/NDF: 43.9/51

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 931.224+/-0.183 χ^2/NDF: 585672.9/23

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 941.050+/-0.173 χ^2/NDF: 539485.9/28

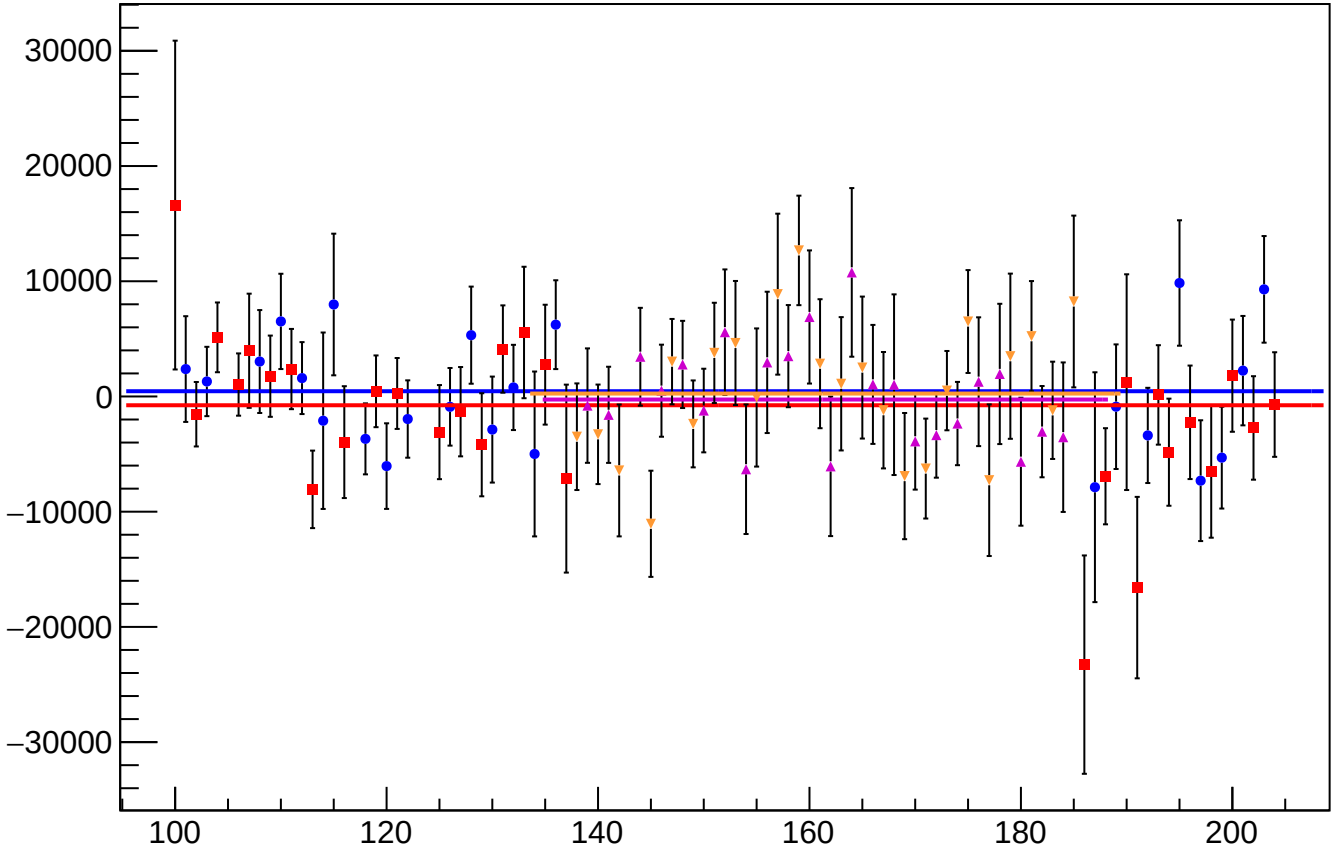
Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1061.815+/-0.135 χ^2/NDF: 1997374.0/47

All: 1058.993+/-0.094 χ^2/NDF: 3845695.7/99

- sign 1056.352+/-0.131 χ^2/NDF: 1847481.8/51

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug



Right In: 455.770+/-861.869 χ^2/NDF: 27.0/23

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

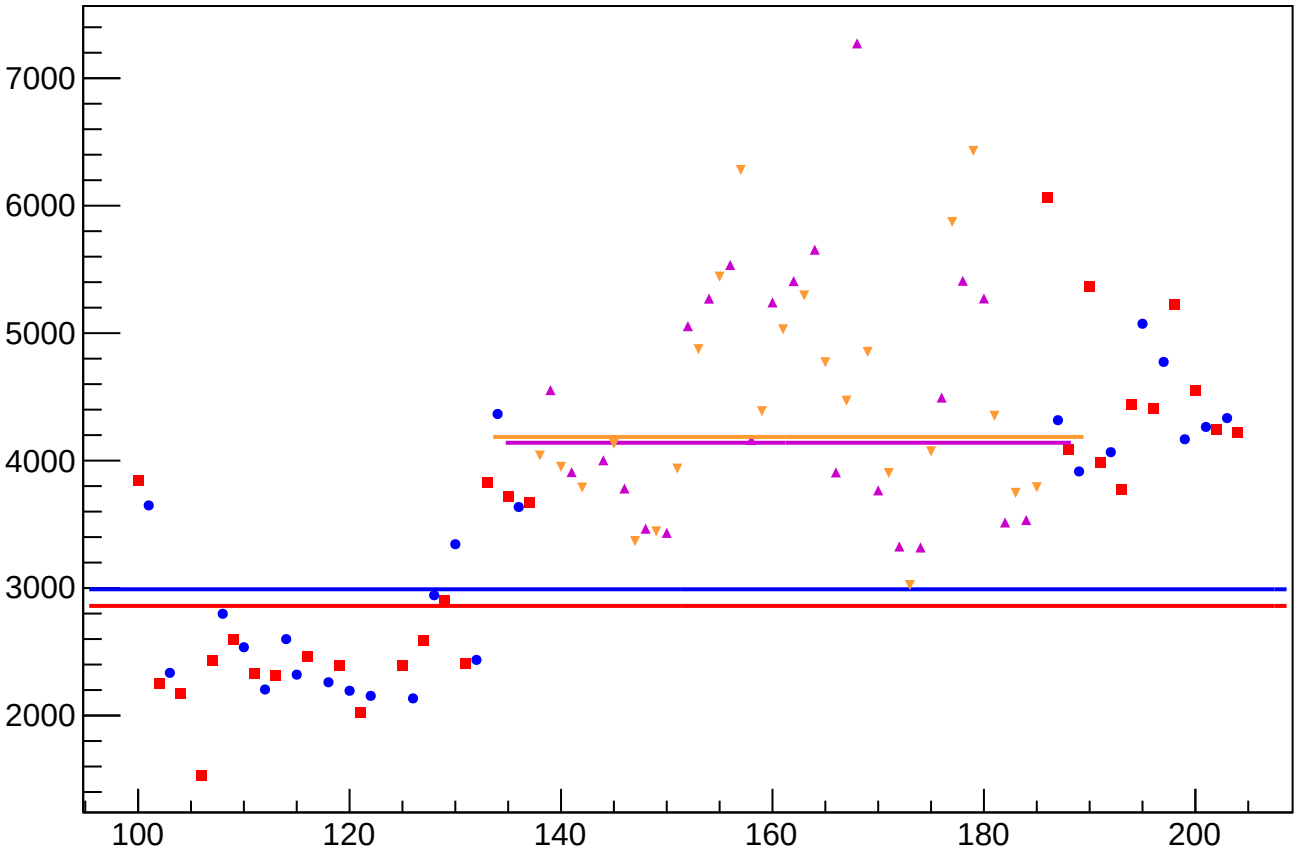
Right Out: -762.297+/-776.379 χ^2/NDF: 32.6/28

Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 368.780+/-651.498 χ^2/NDF: 56.7/47

All: -132.552+/-445.650 χ^2/NDF: 104.0/99

- sign -573.414+/-610.944 χ^2/NDF: 46.2/51



Right In: 2990.462+/-0.609 χ^2/NDF: 2172451.8/23

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2859.971+/-0.549 χ^2/NDF: 3278266.5/28

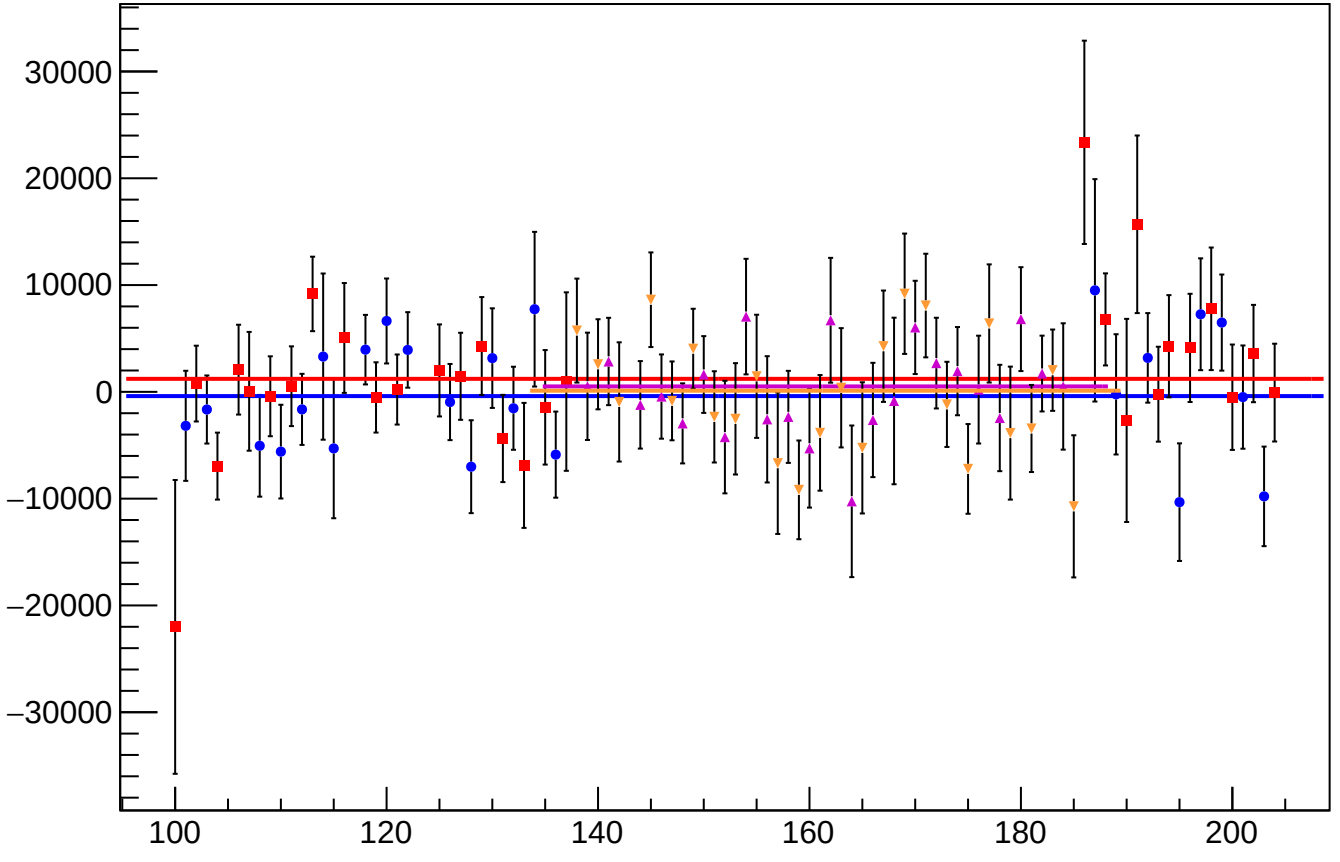
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3502.721+/-0.461 χ^2/NDF: 5092155.5/47

All: 3420.068+/-0.315 χ^2/NDF: 11951081.1/9

- sign 3347.384+/-0.432 χ^2/NDF: 6798428.3/51

asym_usl_atl2_dd_mean vs Slug



Right In: -397.292+/-901.931 χ^2/NDF: 29.7/23

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 1218.897+/-840.781 χ^2/NDF: 33.5/28

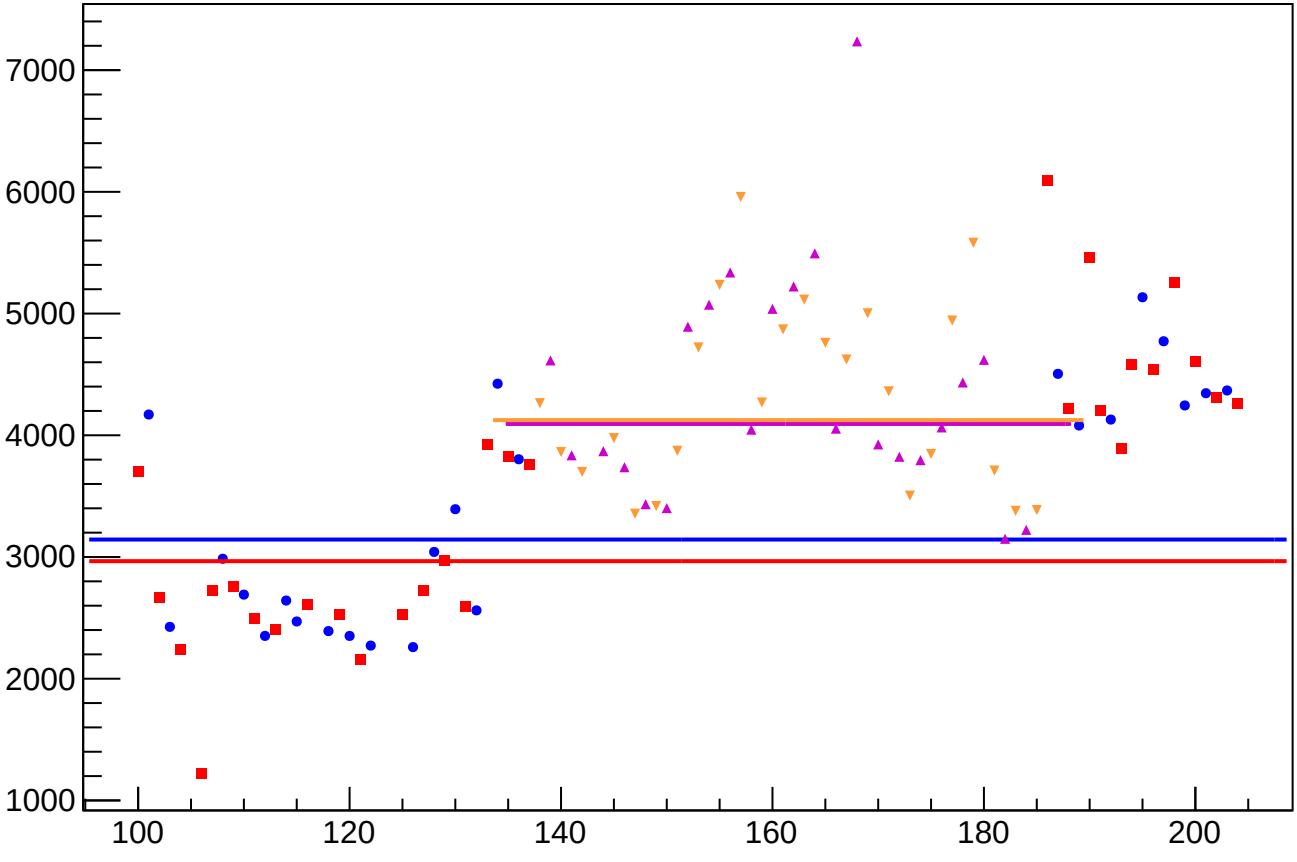
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign -163.996+/-662.275 χ^2/NDF: 57.9/47

All: 397.350+/-458.915 χ^2/NDF: 106.6/99

- sign 915.853+/-636.500 χ^2/NDF: 47.3/51

asym_usl_atl2_dd_rms vs Slug



Right In: 3143.396+/-0.638 χ^2/NDF: 1981399.4/23

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2965.861+/-0.574 χ^2/NDF: 3457222.0/28

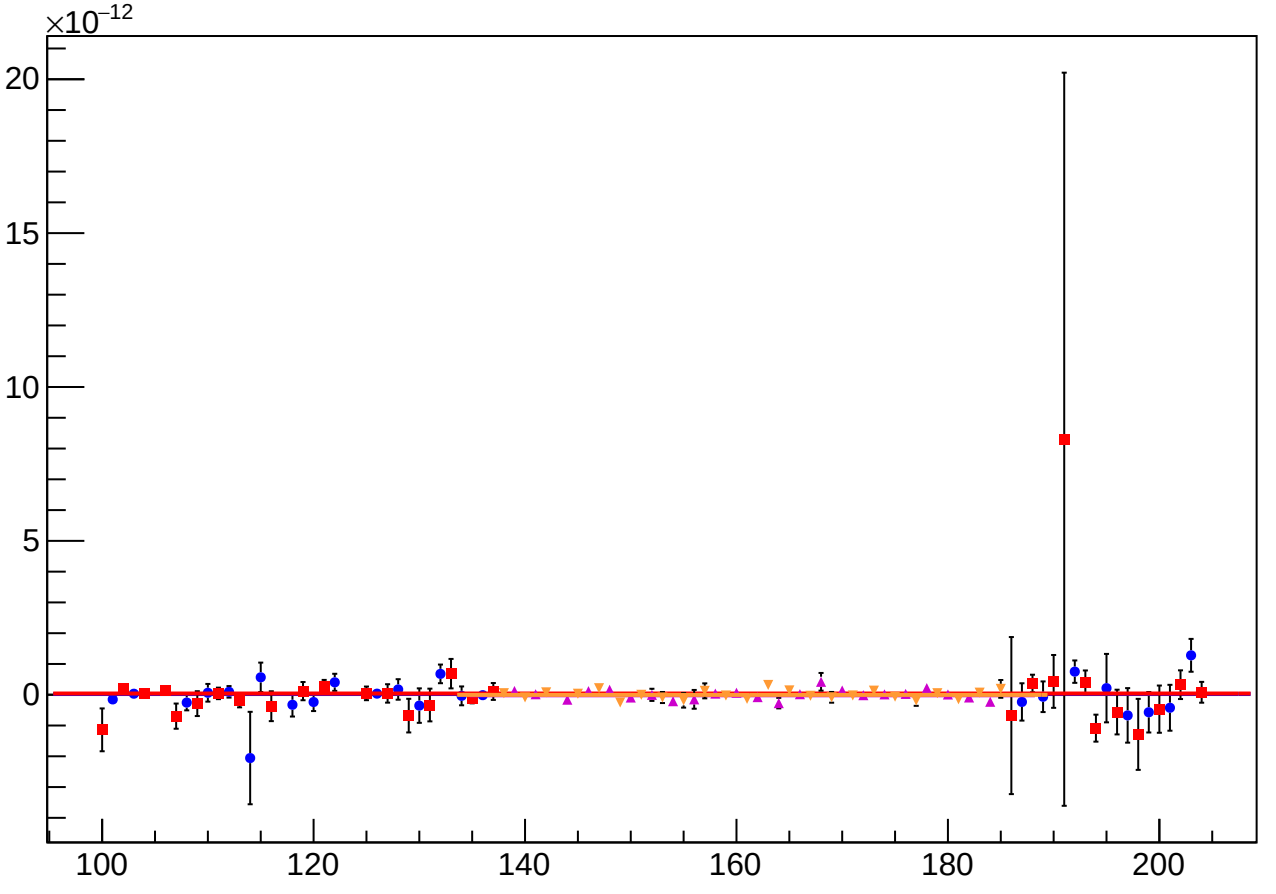
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3595.505+/-0.468 χ^2/NDF: 4041851.8/47

All: 3506.894+/-0.321 χ^2/NDF: 10308808.1/9

- sign 3428.247+/-0.441 χ^2/NDF: 6199374.9/51

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 27.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

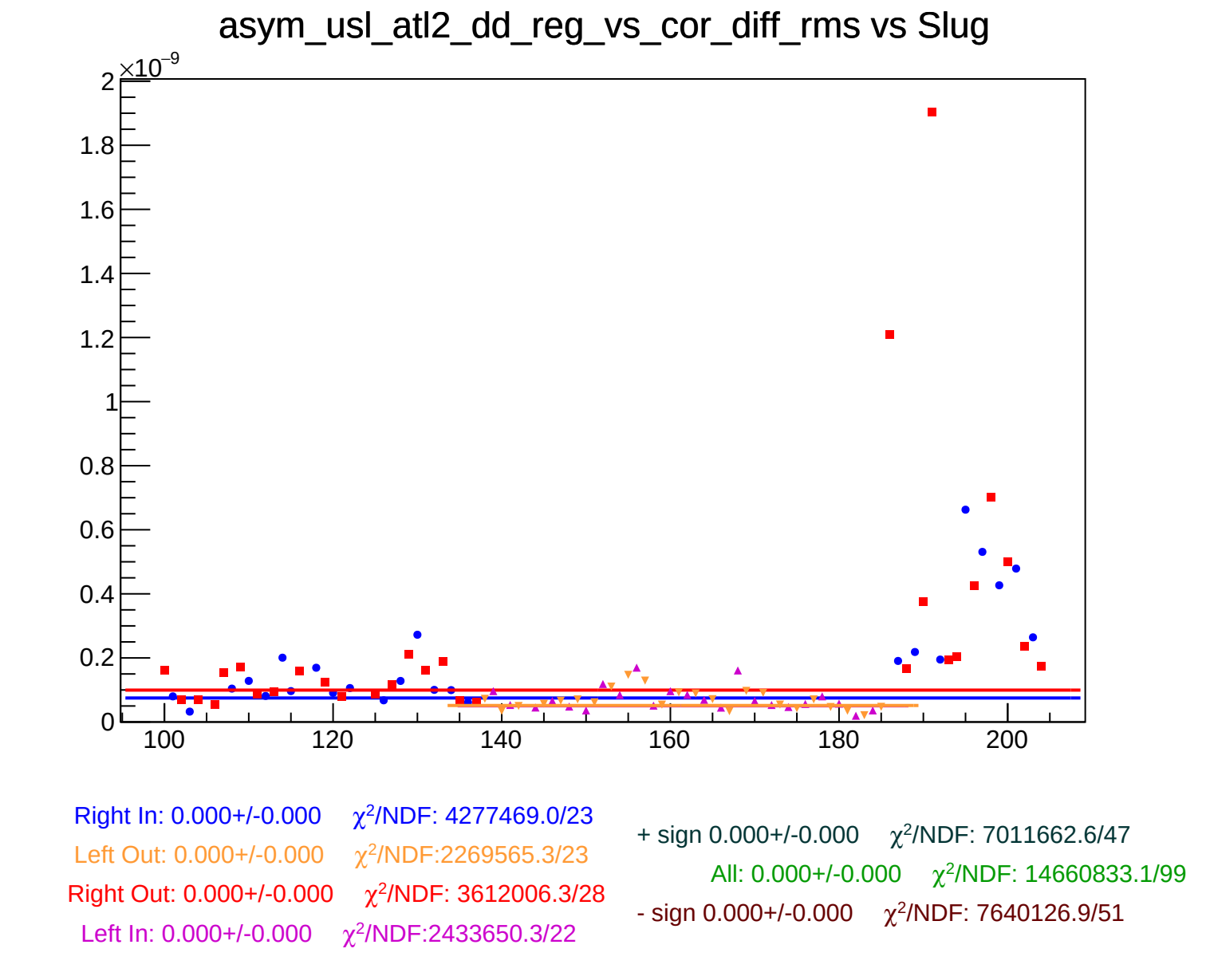
Right Out: 0.000+/-0.000 χ^2/NDF: 29.4/28

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

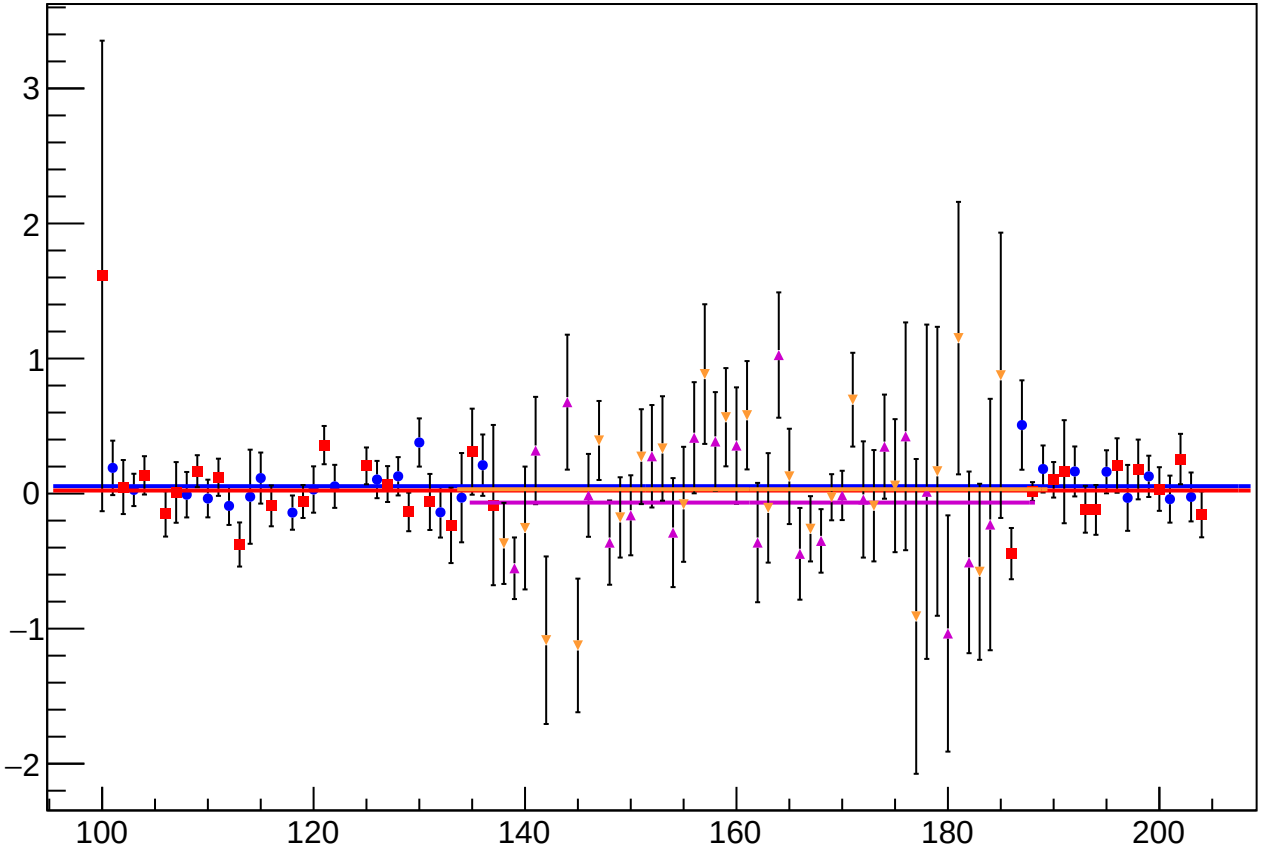
+ sign 0.000+/-0.000 χ^2/NDF: 51.5/47

All: -0.000+/-0.000 χ^2/NDF: 107.8/99

- sign -0.000+/-0.000 χ^2/NDF: 56.2/51


asym_usl_atl2_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
2
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: 4277469.0/23
Left Out: 0.000+/-0.000 χ²/NDF:2269565.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 3612006.3/28
Left In: 0.000+/-0.000 χ²/NDF:2433650.3/22
+ sign 0.000+/-0.000 χ²/NDF: 7011662.6/47
All: 0.000+/-0.000 χ²/NDF: 14660833.1/99
- sign 0.000+/-0.000 χ²/NDF: 7640126.9/51

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.055+/-0.035 χ^2/NDF: 14.0/23

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.023+/-0.029 χ^2/NDF: 34.0/28

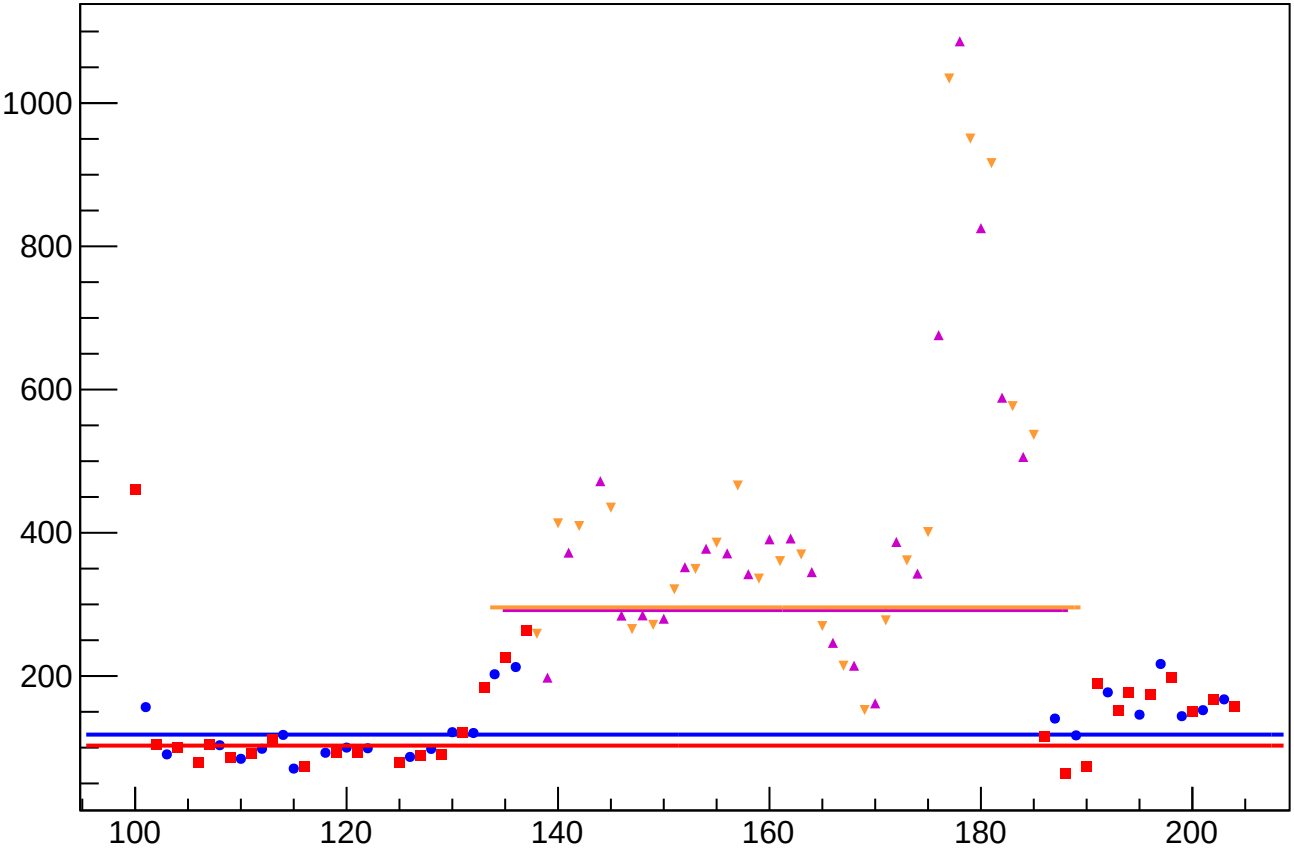
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.051+/-0.032 χ^2/NDF: 43.8/47

All: 0.028+/-0.021 χ^2/NDF: 105.6/99

- sign 0.011+/-0.027 χ^2/NDF: 60.9/51

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 118.194+/-0.025 χ^2/NDF: 2107362.2/23

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 102.835+/-0.021 χ^2/NDF: 3570332.9/28

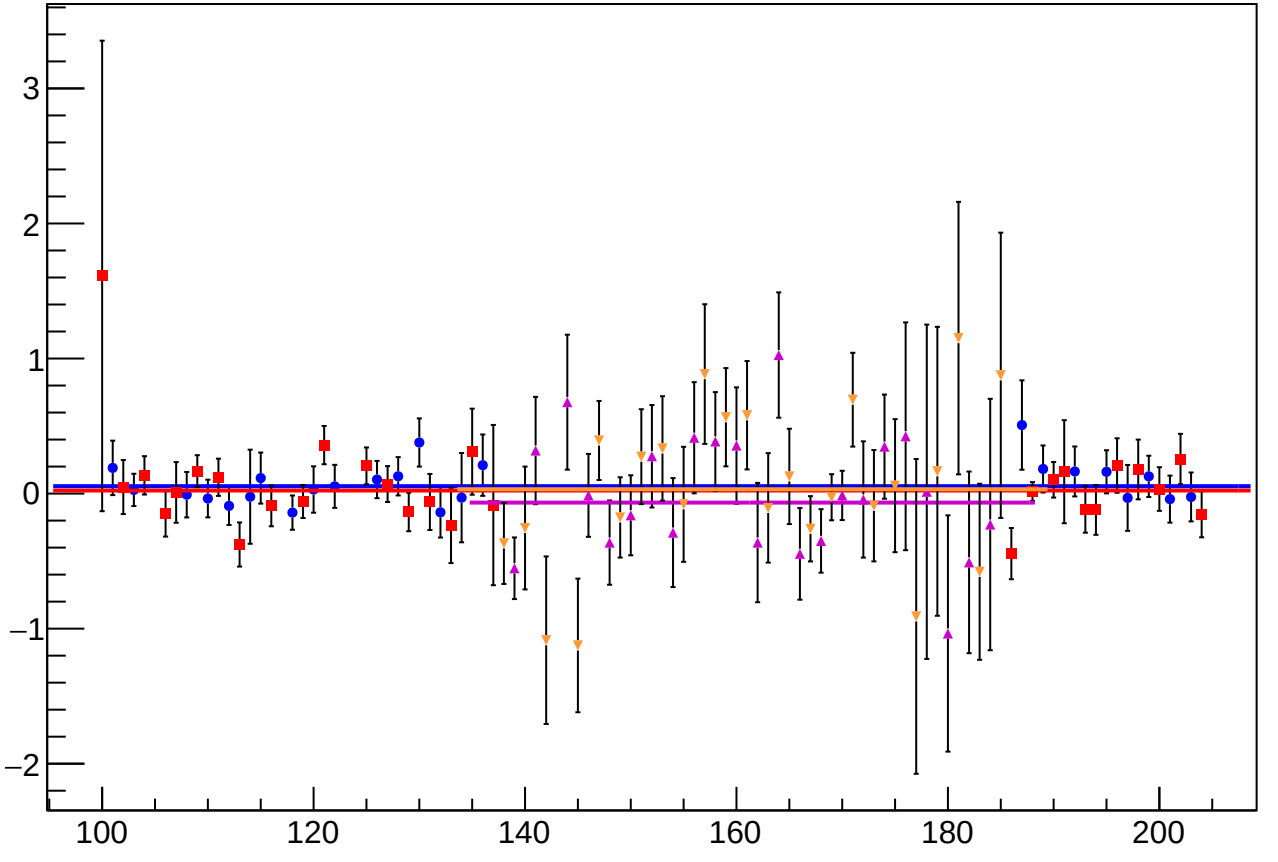
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 148.912+/-0.022 χ^2/NDF: 16640358.9/47

All: 136.900+/-0.015 χ^2/NDF: 36896713.4/99

- sign 127.981+/-0.019 χ^2/NDF: 19753074.2/51

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.055+/-0.035 χ^2/NDF: 14.0/23

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

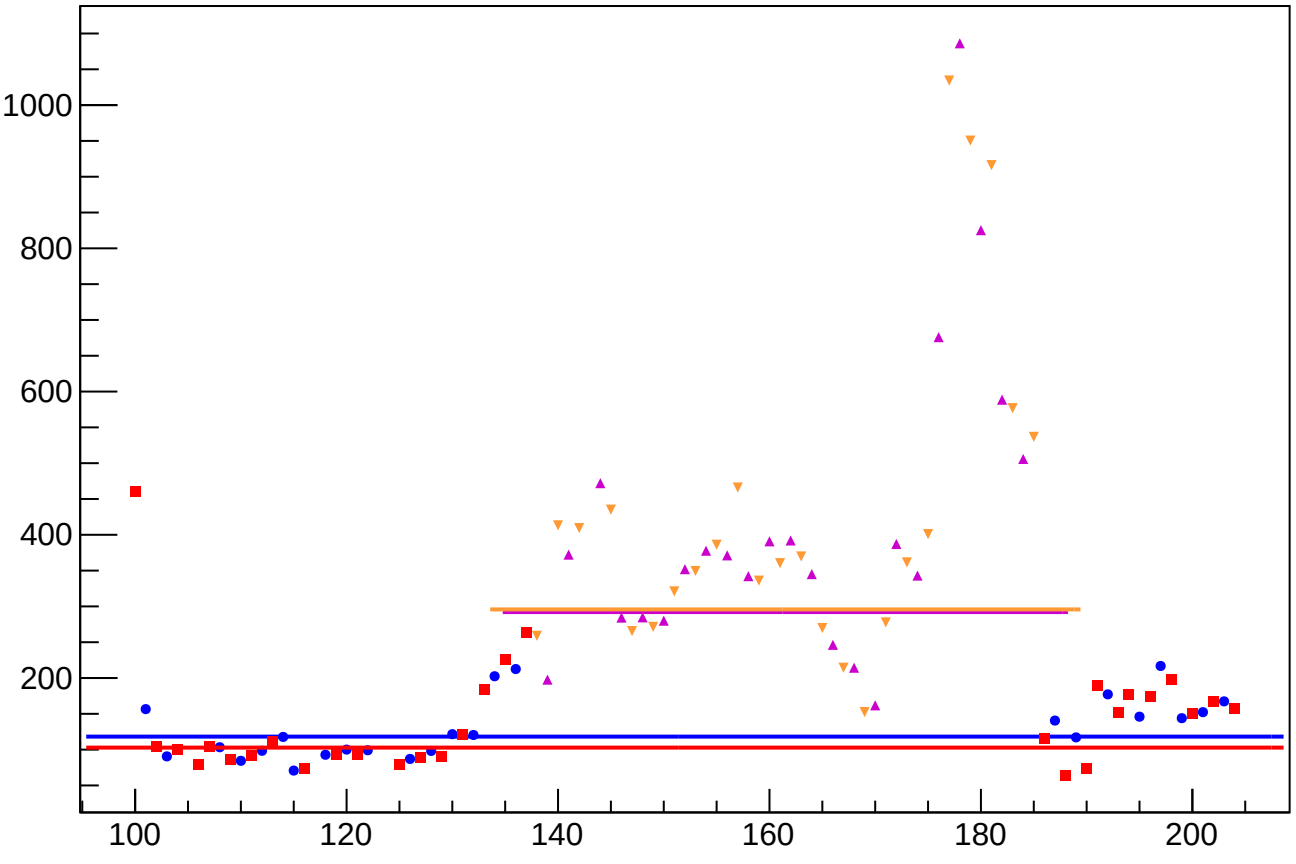
Right Out: 0.023+/-0.029 χ^2/NDF: 34.0/28

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.051+/-0.032 χ^2/NDF: 43.8/47

All: 0.028+/-0.021 χ^2/NDF: 105.6/99

- sign 0.011+/-0.027 χ^2/NDF: 60.9/51



Right In: 118.194+/-0.025 χ^2/NDF: 2107362.2/23

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

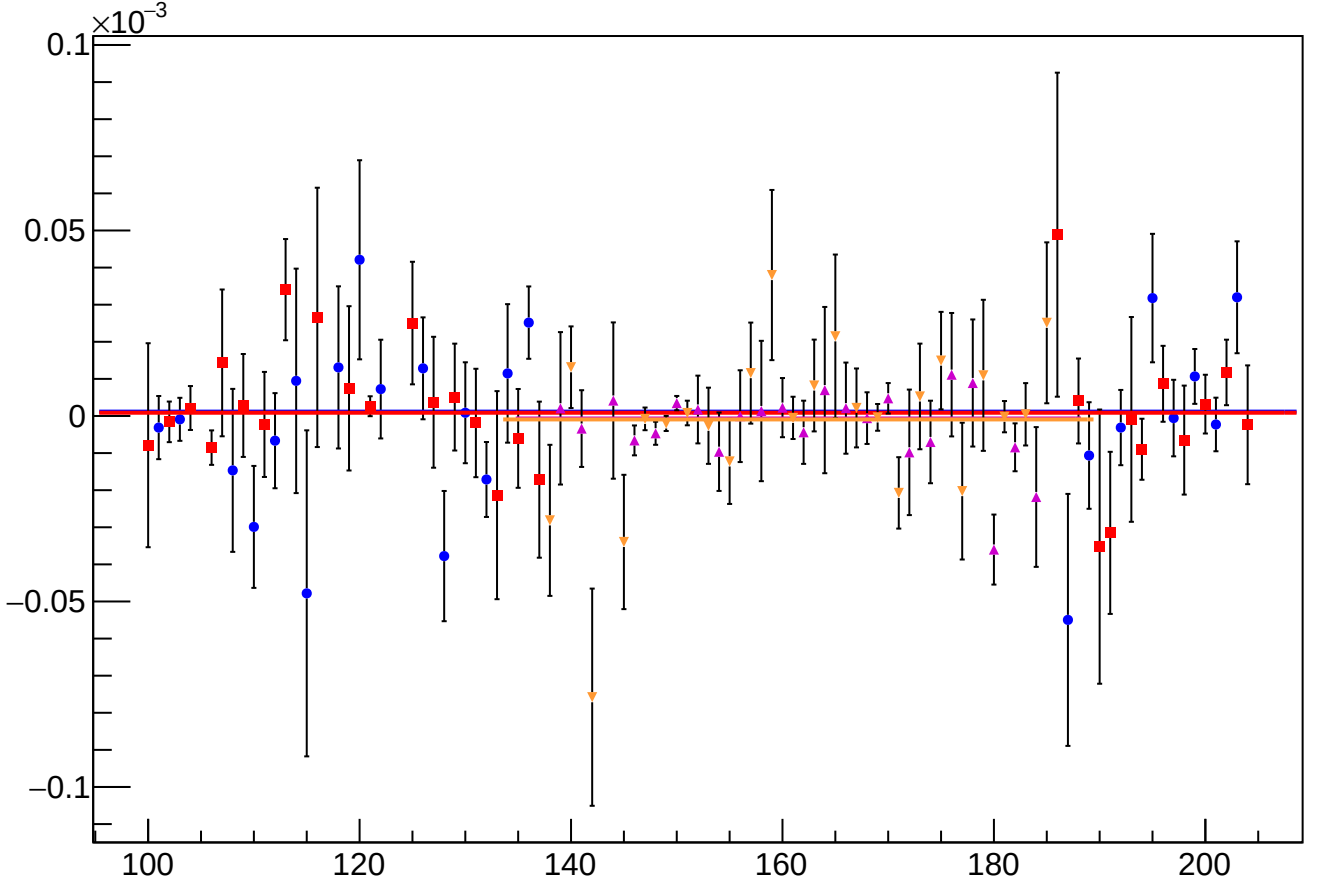
Right Out: 102.835+/-0.021 χ^2/NDF: 3570332.9/28

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 148.912+/-0.022 χ^2/NDF: 16640358.9/47

All: 136.900+/-0.015 χ^2/NDF: 36896713.4/99

- sign 127.981+/-0.019 χ^2/NDF: 19753074.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 37.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

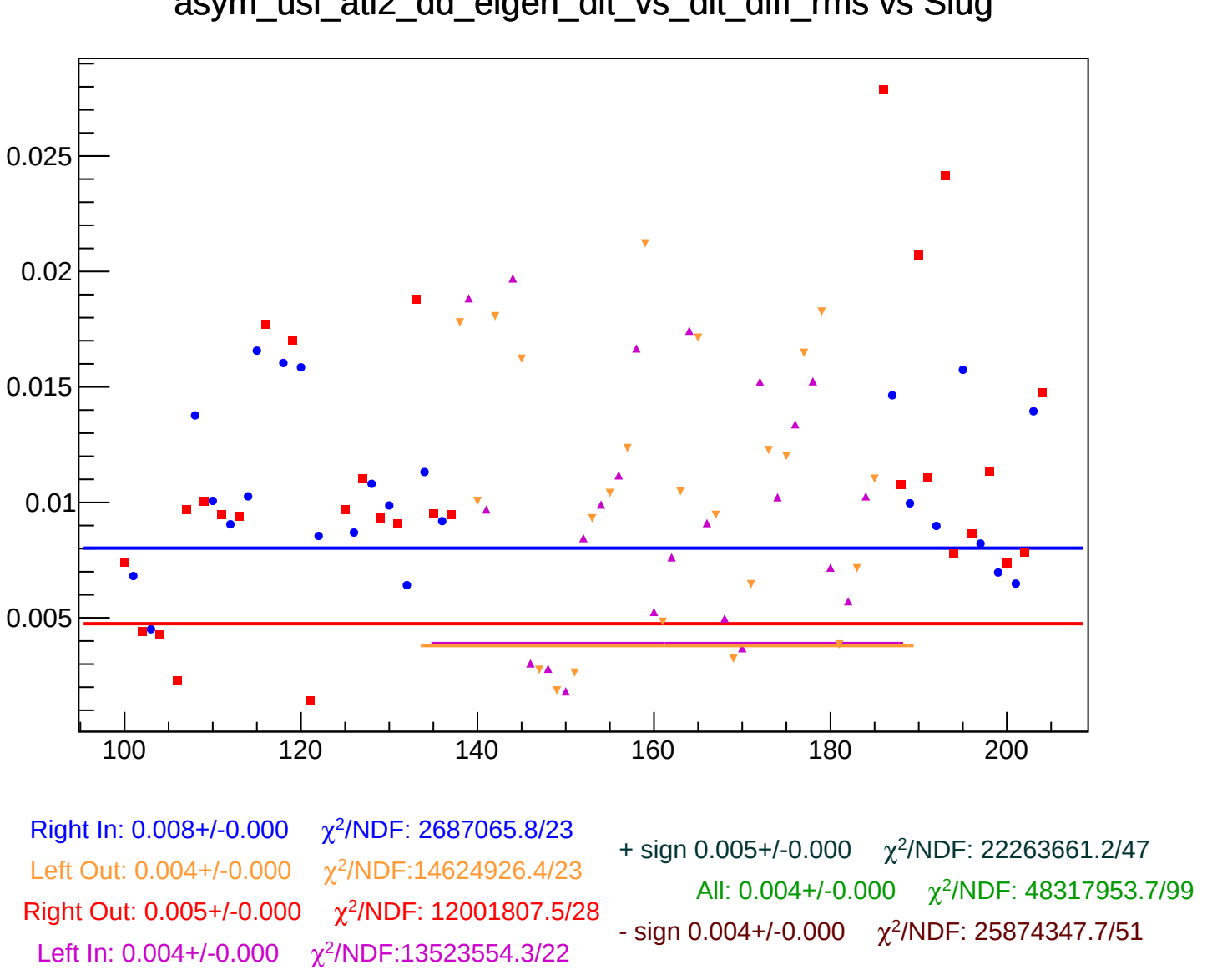
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/28

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

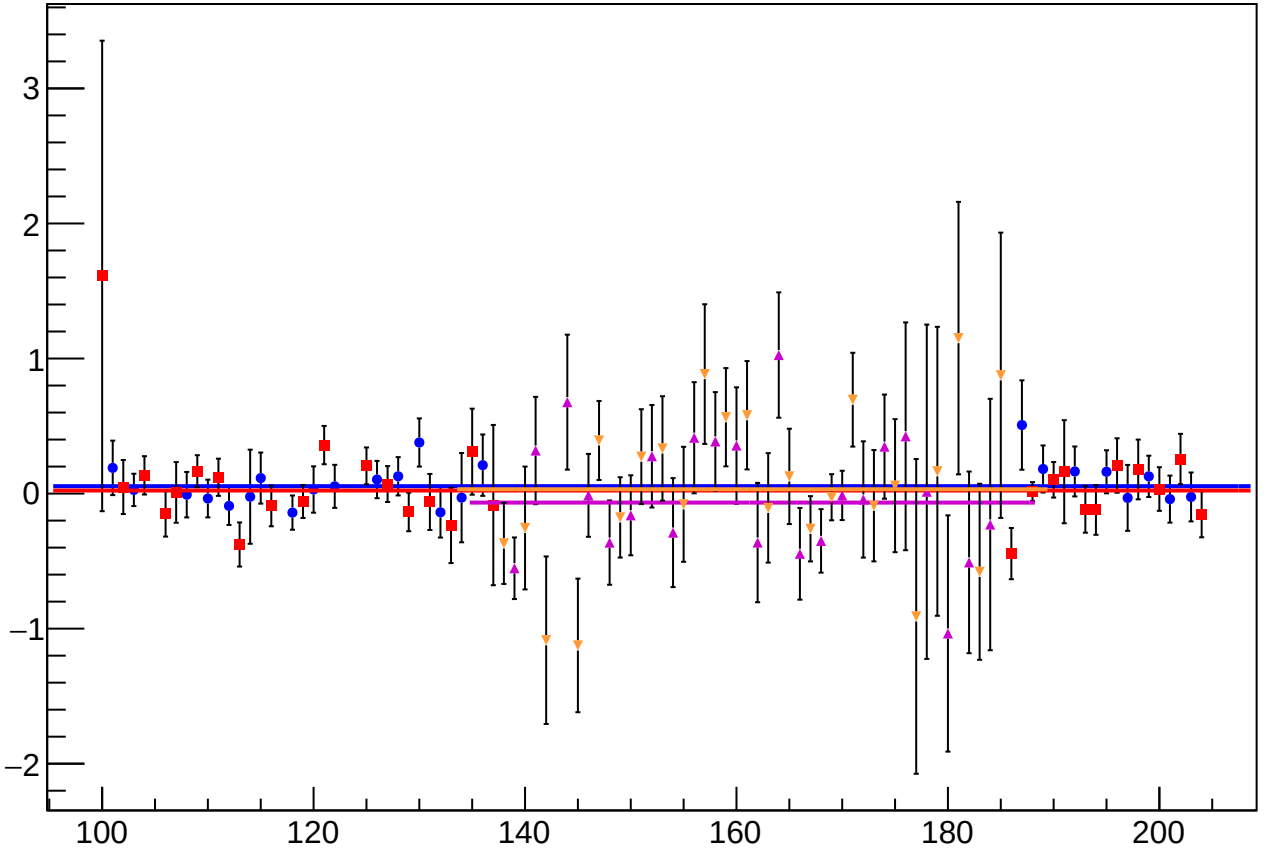
+ sign -0.000+/-0.000 χ^2/NDF: 66.8/47

All: -0.000+/-0.000 χ^2/NDF: 121.4/99

- sign -0.000+/-0.000 χ^2/NDF: 54.6/51


asym_usl_atl2_dd_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: 2687065.8/23
Left Out: 0.004+/-0.000 χ²/NDF:14624926.4/23
Right Out: 0.005+/-0.000 χ²/NDF: 12001807.5/28
Left In: 0.004+/-0.000 χ²/NDF:13523554.3/22
+ sign 0.005+/-0.000 χ²/NDF: 22263661.2/47
All: 0.004+/-0.000 χ²/NDF: 48317953.7/99
- sign 0.004+/-0.000 χ²/NDF: 25874347.7/51

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.055+/-0.035 χ^2/NDF: 14.0/23

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

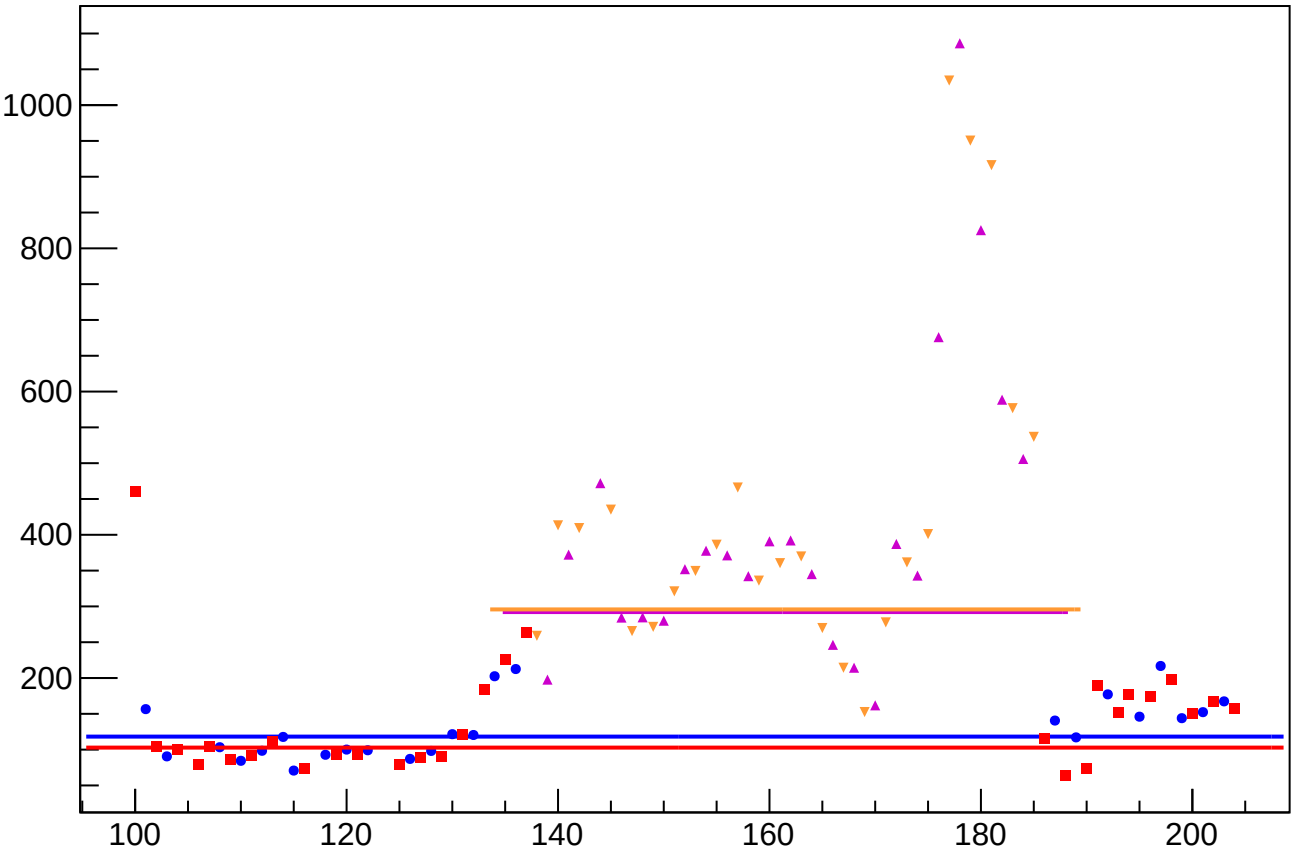
Right Out: 0.023+/-0.029 χ^2/NDF: 34.0/28

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.051+/-0.032 χ^2/NDF: 43.8/47

All: 0.028+/-0.021 χ^2/NDF: 105.6/99

- sign 0.011+/-0.027 χ^2/NDF: 60.9/51



Right In: 118.194+/-0.025 χ^2/NDF: 2107328.9/23

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

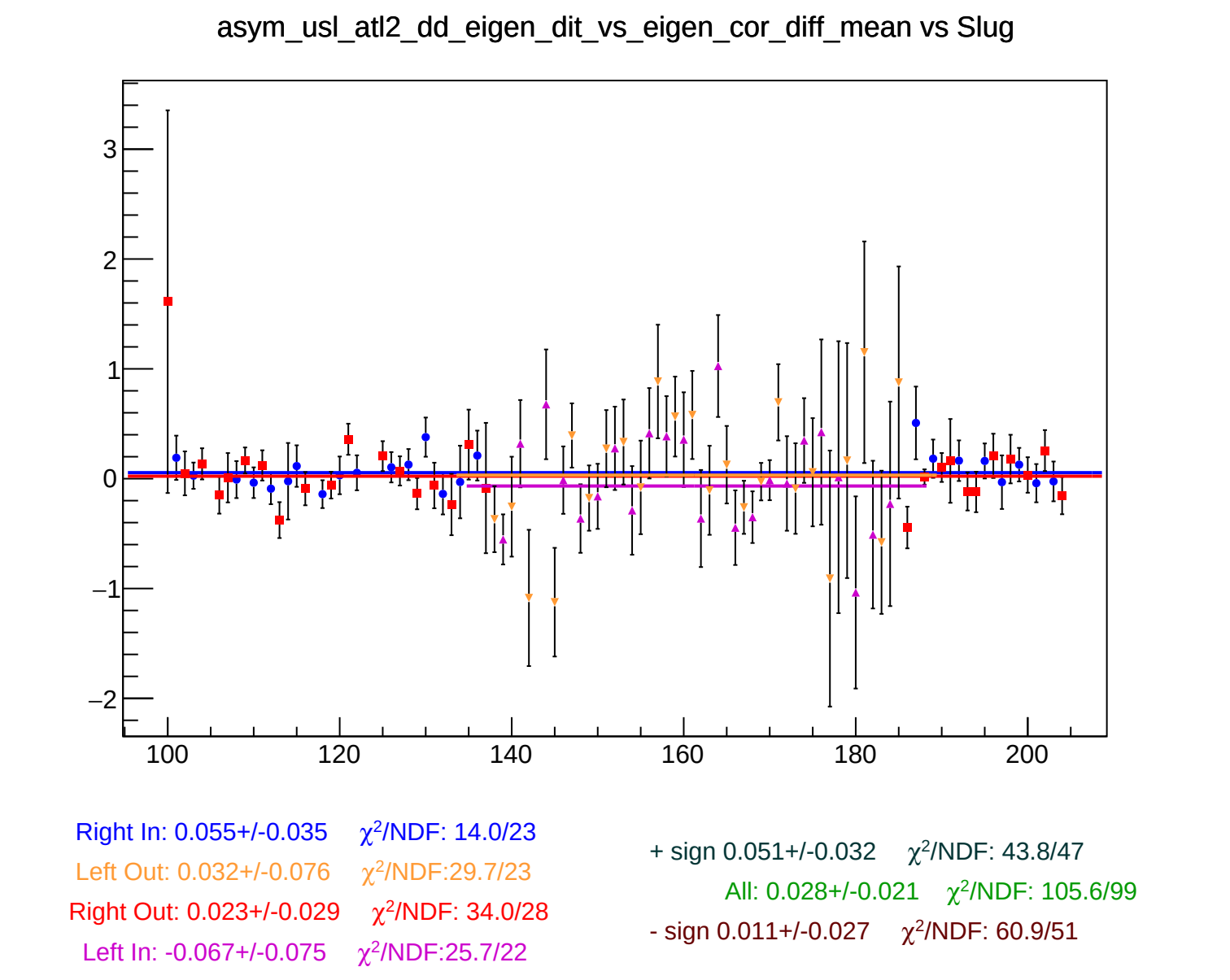
Right Out: 102.834+/-0.021 χ^2/NDF: 3570514.3/28

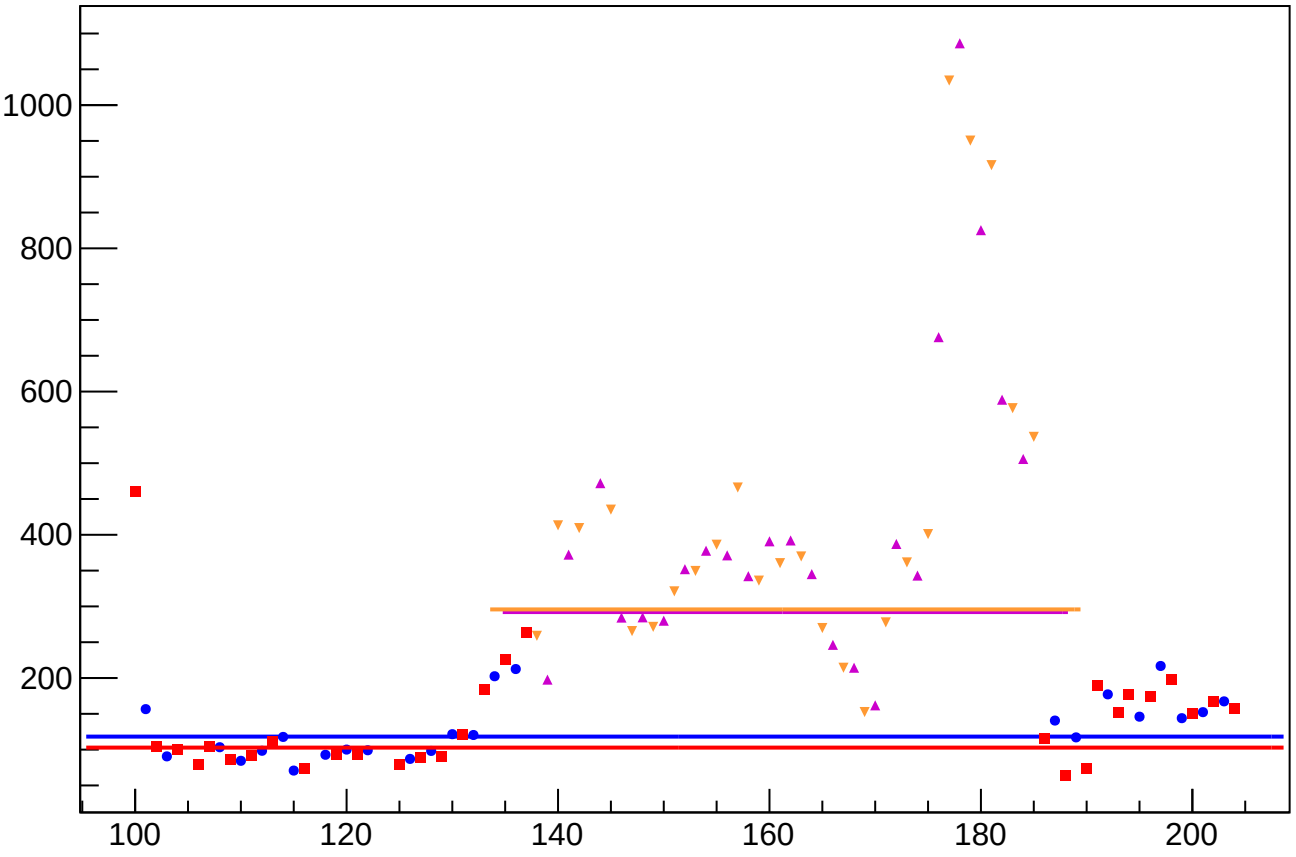
Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 148.912+/-0.022 χ^2/NDF: 16640403.7/47

All: 136.899+/-0.015 χ^2/NDF: 36897382.0/99

- sign 127.980+/-0.019 χ^2/NDF: 19753590.7/51


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.055+/-0.035 χ²/NDF: 14.0/23
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.023+/-0.029 χ²/NDF: 34.0/28
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.051+/-0.032 χ²/NDF: 43.8/47
All: 0.028+/-0.021 χ²/NDF: 105.6/99
- sign 0.011+/-0.027 χ²/NDF: 60.9/51



Right In: 118.194+/-0.025 χ^2/NDF: 2107328.9/23

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

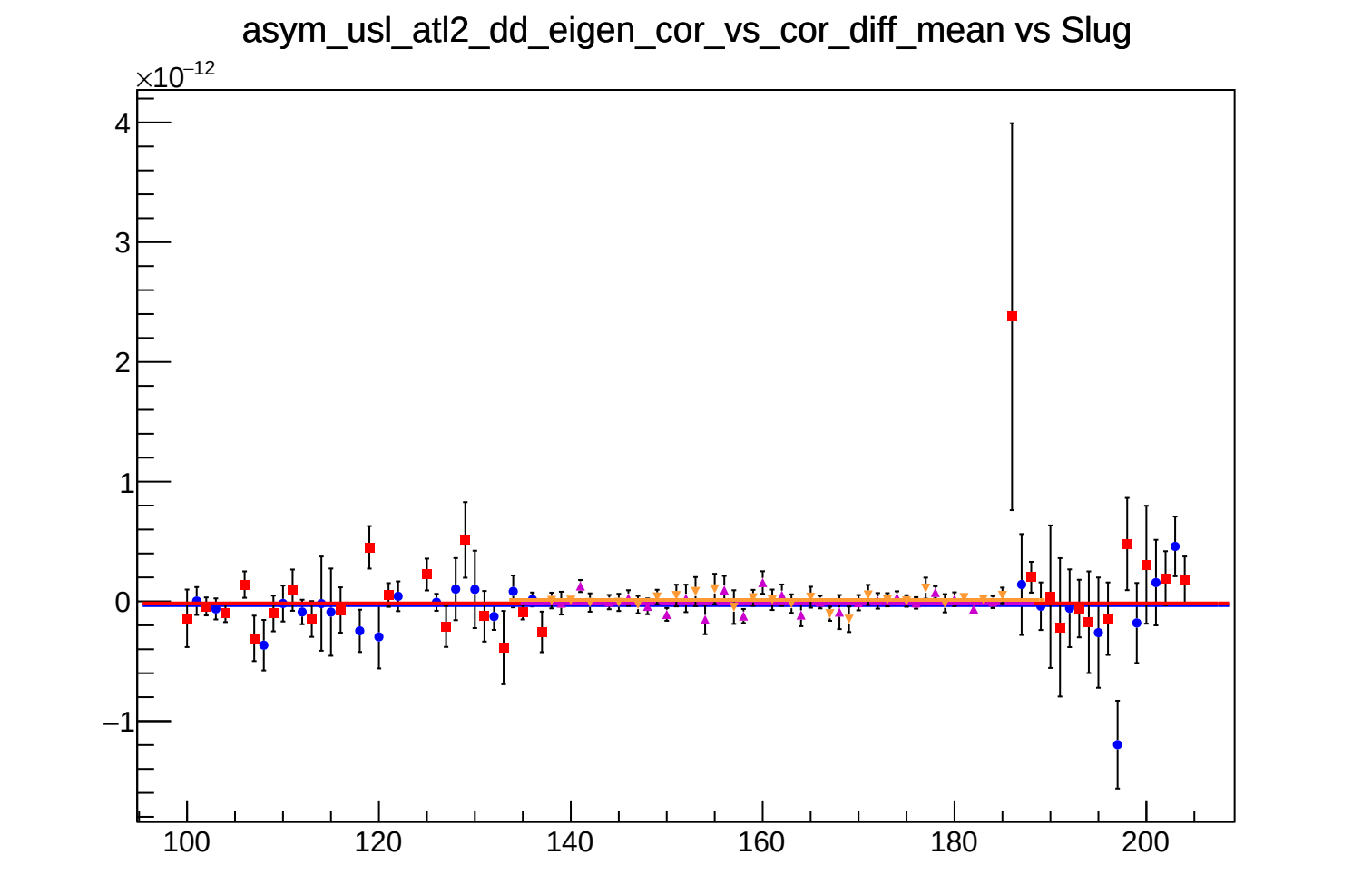
Right Out: 102.834+/-0.021 χ^2/NDF: 3570514.3/28

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 148.912+/-0.022 χ^2/NDF: 16640403.7/47

All: 136.899+/-0.015 χ^2/NDF: 36897382.0/99

- sign 127.980+/-0.019 χ^2/NDF: 19753590.7/51



Right In: -0.000+/-0.000 χ^2/NDF: 23.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

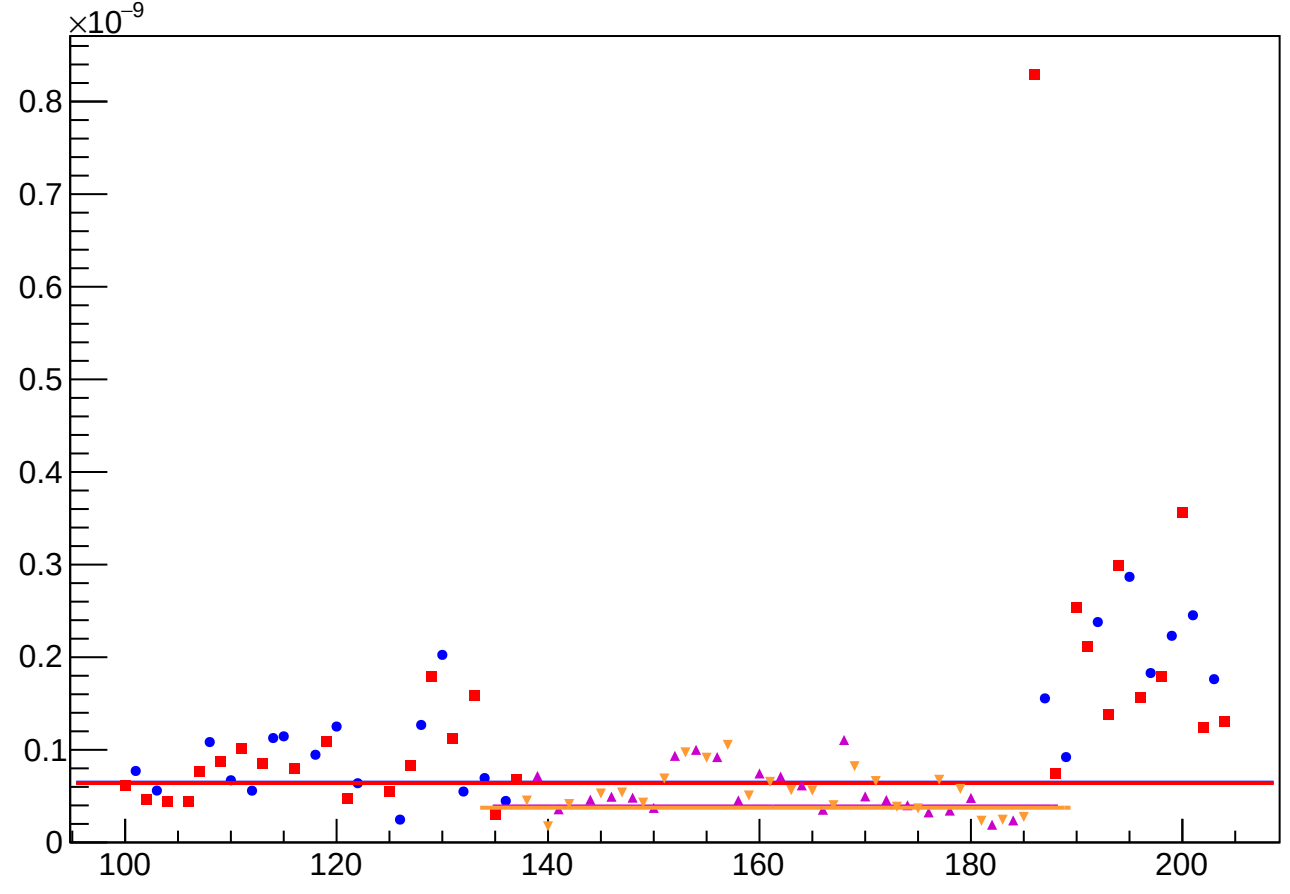
Right Out: -0.000+/-0.000 χ^2/NDF: 37.0/28

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.0/47

All: -0.000+/-0.000 χ^2/NDF: 105.6/99

- sign -0.000+/-0.000 χ^2/NDF: 67.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 4476742.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4973471.5/28

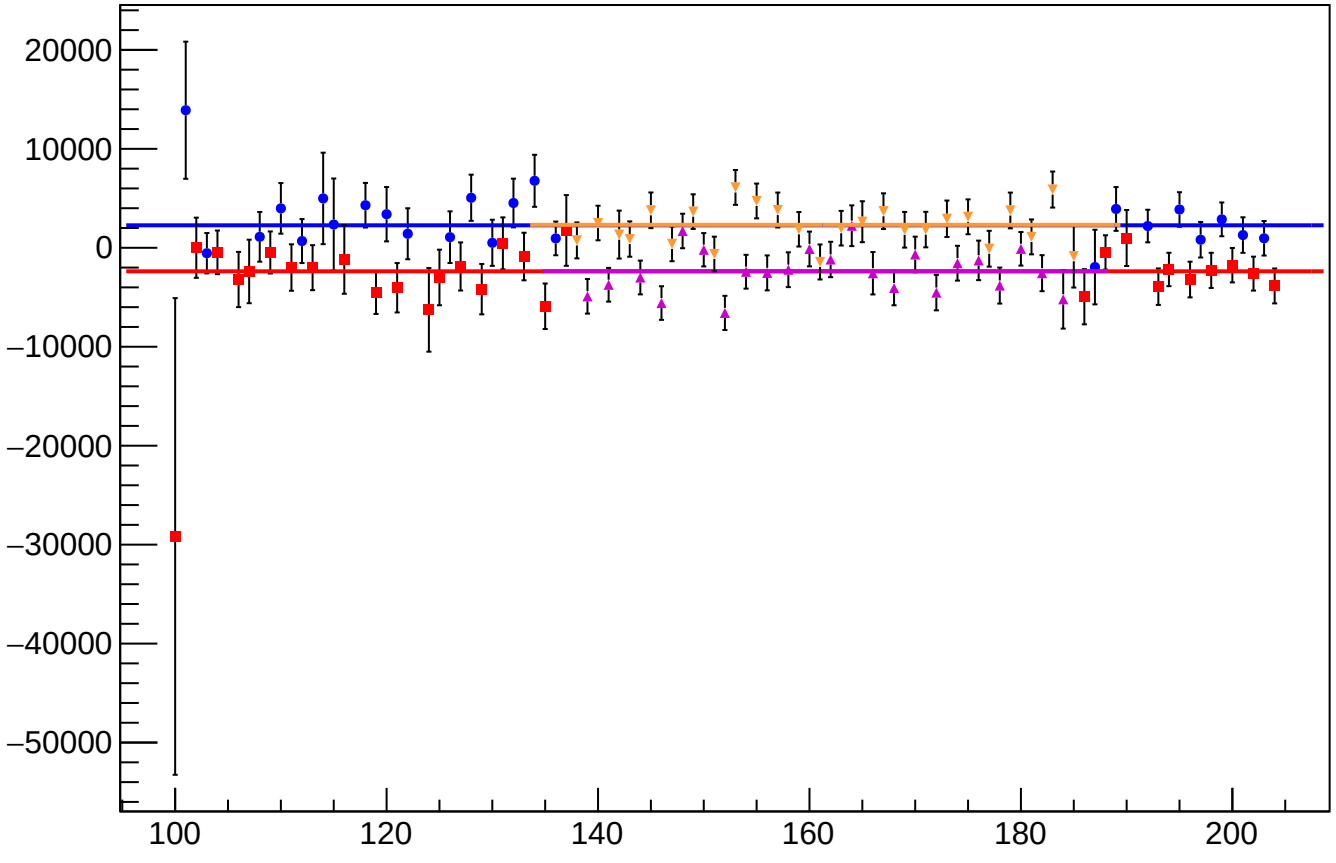
Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10991740.7/47

All: 0.000+/-0.000 χ^2/NDF: 22021215.6/99

- sign 0.000+/-0.000 χ^2/NDF: 11010506.6/51

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2272.982+/-457.423 χ^2/NDF: 18.2/23

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2376.988+/-424.772 χ^2/NDF: 17.1/28

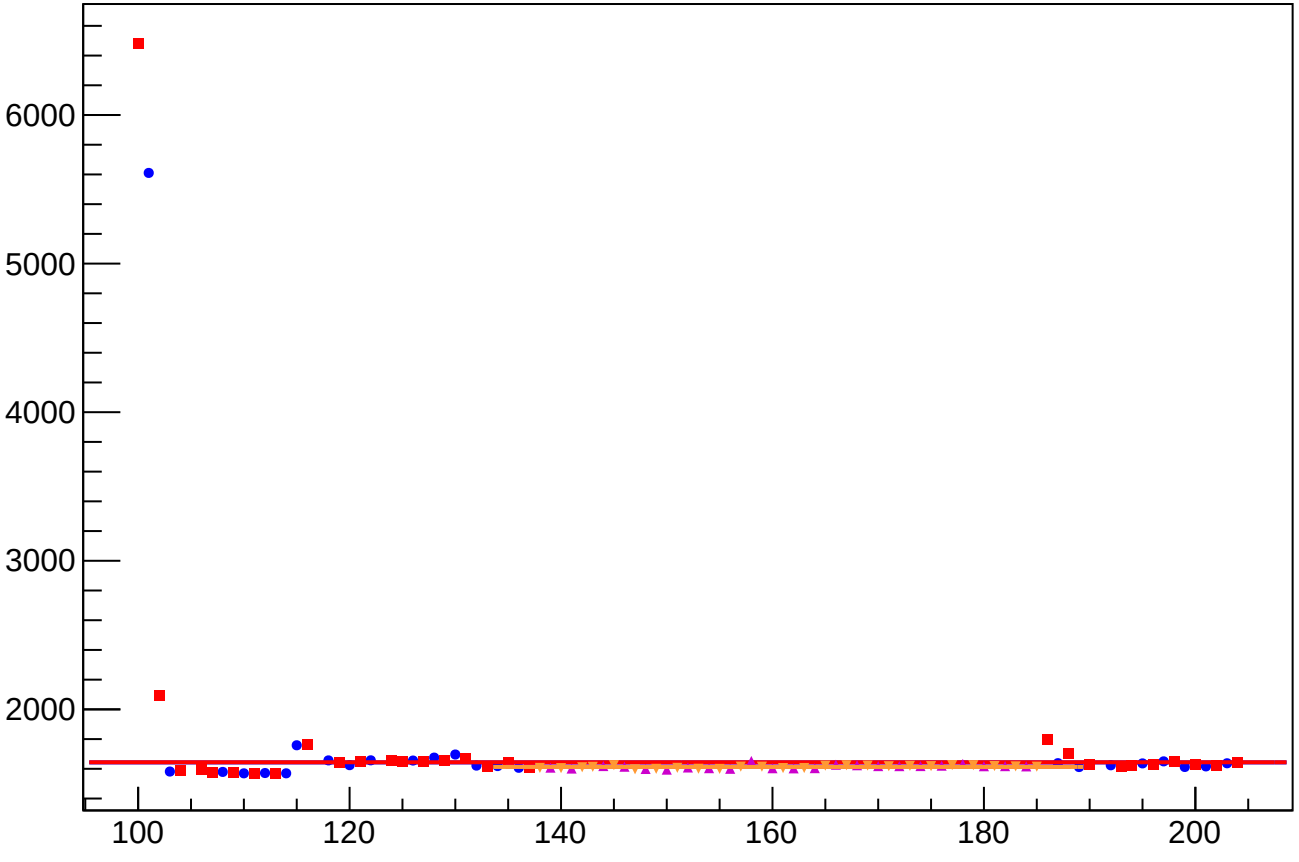
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2302.279+/-285.922 χ^2/NDF: 45.7/48

All: -68.878+/-200.733 χ^2/NDF: 232.2/100

- sign -2373.429+/-281.878 χ^2/NDF: 50.9/51

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1643.014+/-0.323 χ^2/NDF: 669005.8/23

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.087+/-0.300 χ^2/NDF: 146454.4/28

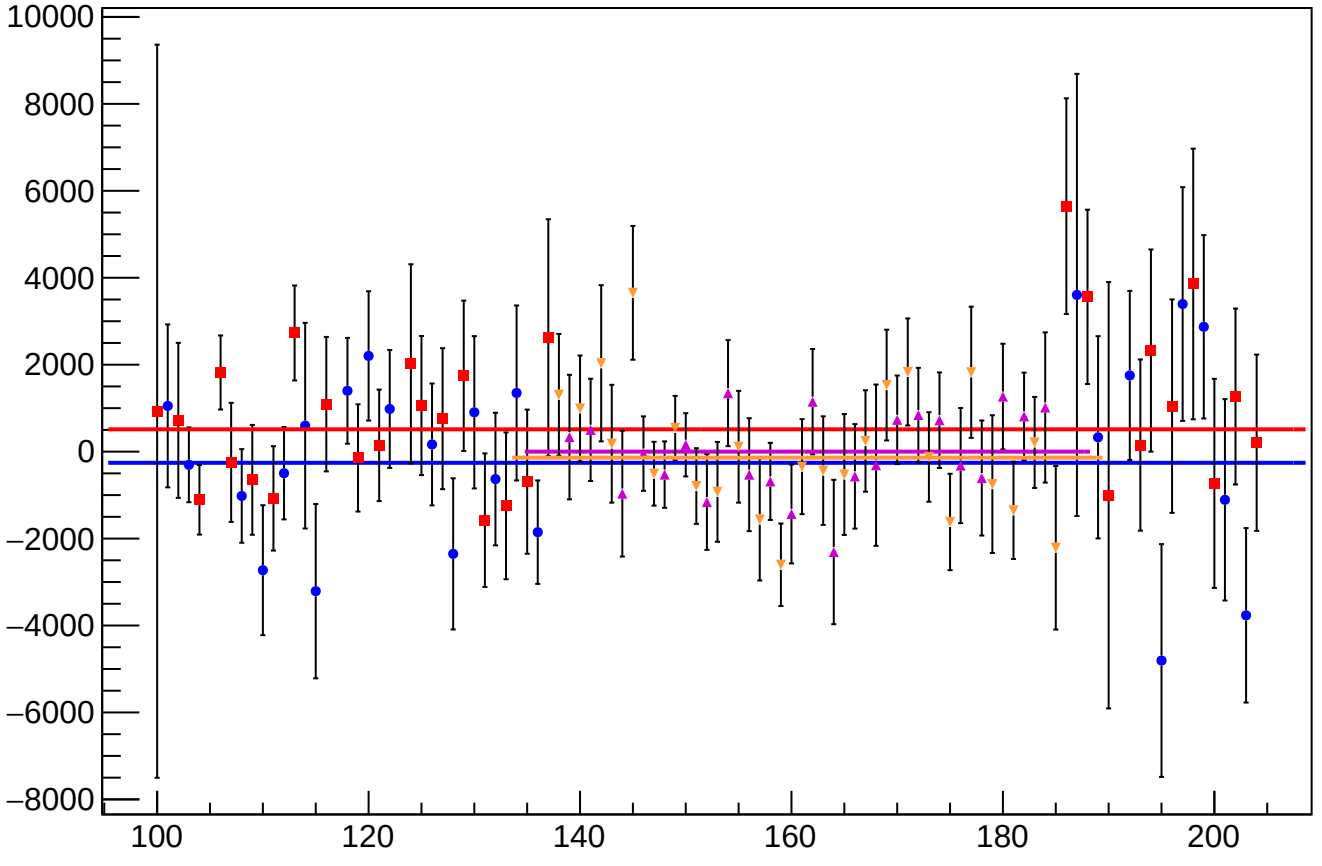
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.488+/-0.202 χ^2/NDF: 675562.8/48

All: 1625.829+/-0.142 χ^2/NDF: 830151.5/100

- sign 1627.133+/-0.199 χ^2/NDF: 154501.9/51

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -257.089+/-317.766 χ^2/NDF: 27.8/23

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 513.150+/-288.274 χ^2/NDF: 28.1/28

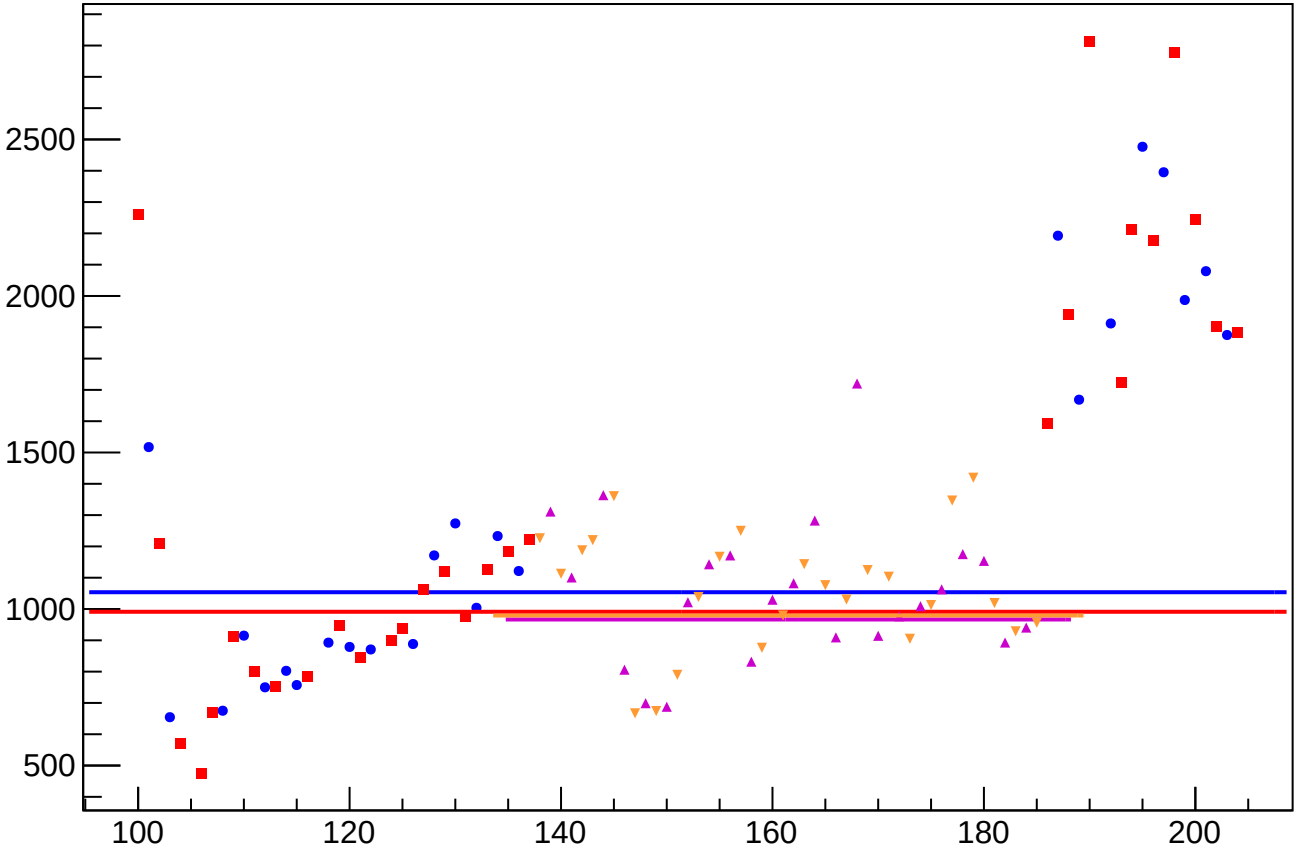
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

\+ sign -179.409+/-185.851 χ^2/NDF: 58.1/48

All: 16.491+/-129.554 χ^2/NDF: 103.1/100

\- sign 201.667+/-180.693 χ^2/NDF: 42.9/51

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1053.668+/-0.225 χ^2/NDF: 4050945.5/23

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 991.202+/-0.204 χ^2/NDF: 5896531.8/28

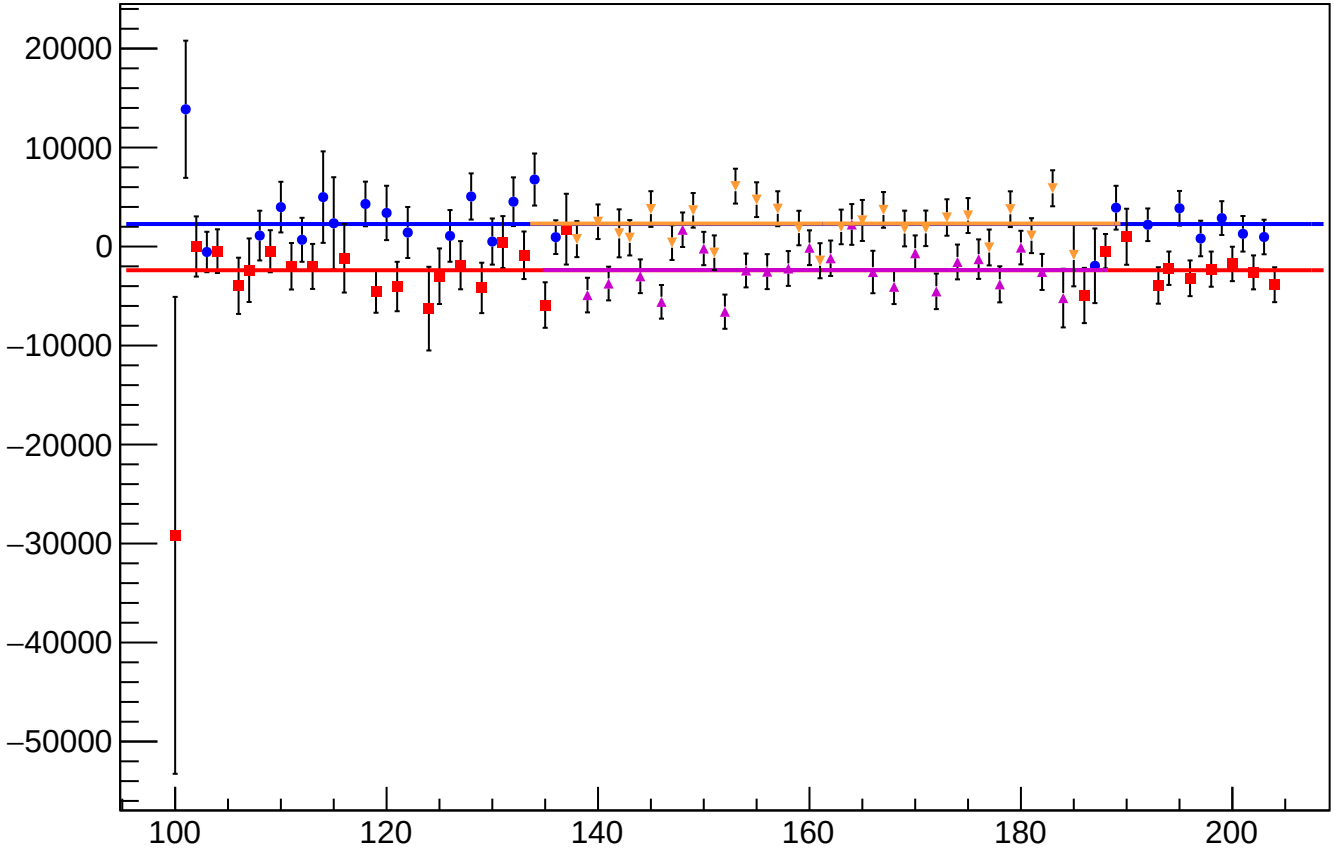
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 1004.735+/-0.131 χ^2/NDF: 5753651.2/48

All: 990.077+/-0.092 χ^2/NDF: 13285878.0/10

- sign 976.221+/-0.128 χ^2/NDF: 7508024.6/51

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2272.735+/-457.423 χ^2/NDF: 18.2/23

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2393.516+/-424.941 χ^2/NDF: 17.3/28

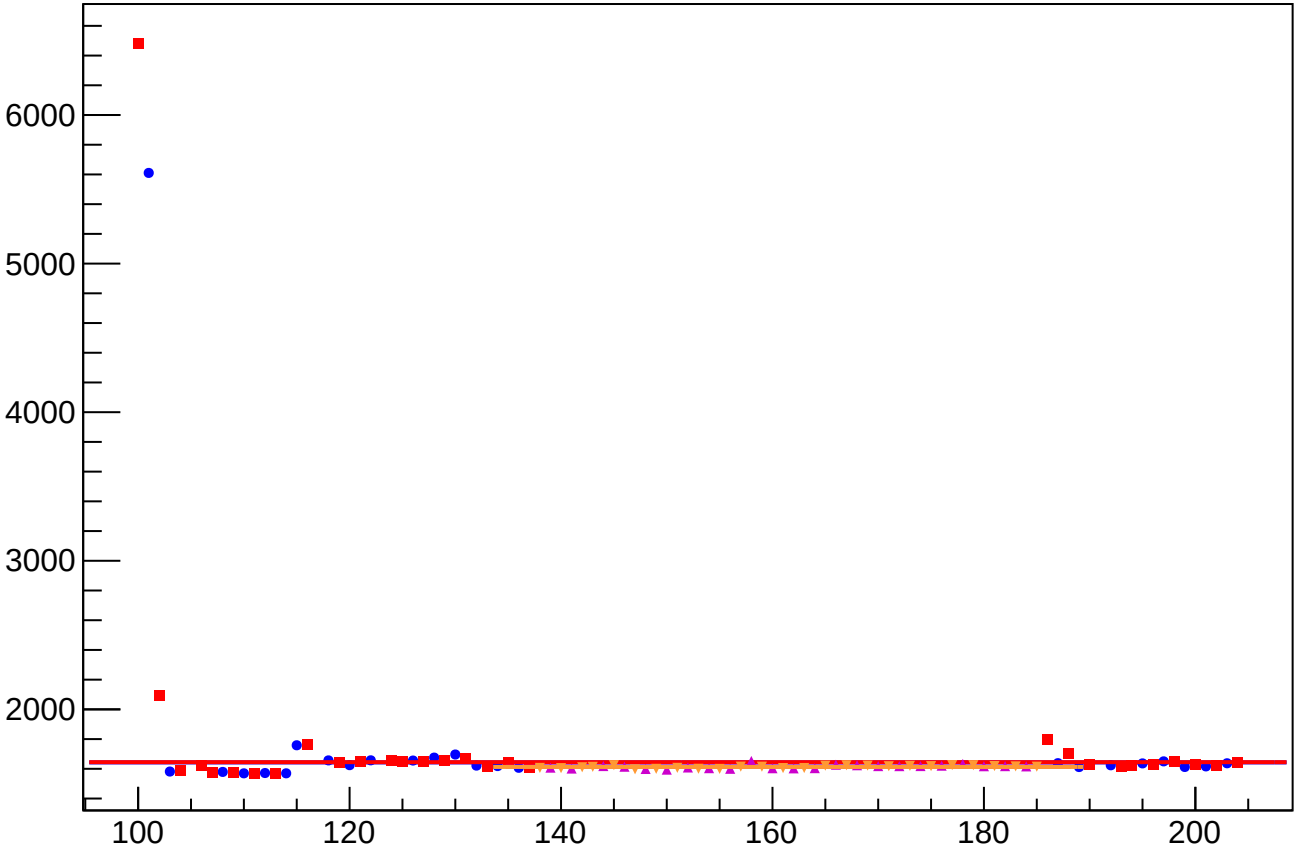
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2302.157+/-285.922 χ^2/NDF: 45.7/48

All: -72.236+/-200.750 χ^2/NDF: 232.8/100

- sign -2380.743+/-281.928 χ^2/NDF: 51.1/51

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1643.014+/-0.323 χ^2/NDF: 669005.3/23

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.720+/-0.300 χ^2/NDF: 145935.1/28

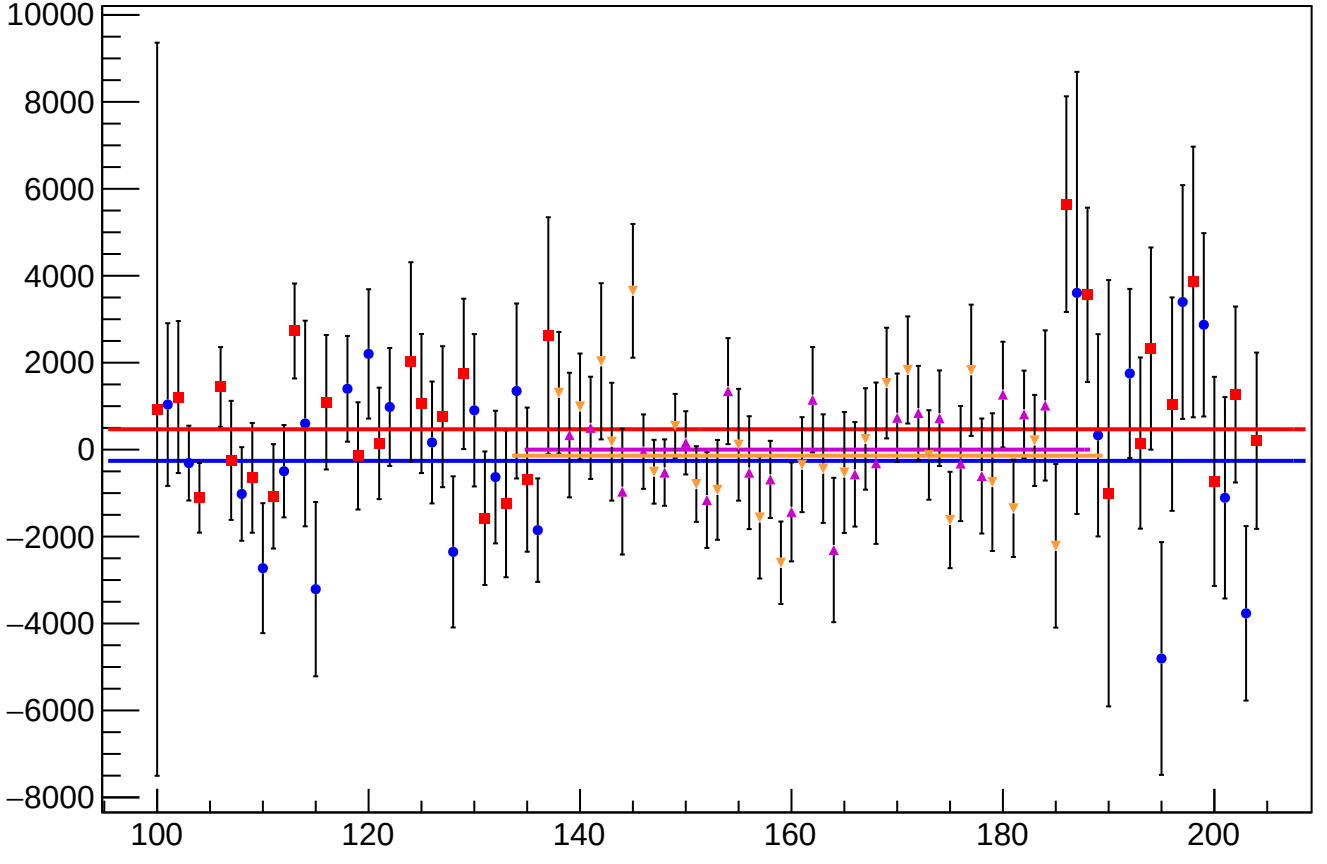
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.488+/-0.202 χ^2/NDF: 675562.3/48

All: 1625.967+/-0.142 χ^2/NDF: 829888.4/100

- sign 1627.406+/-0.199 χ^2/NDF: 154220.5/51

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -258.235+/-317.730 χ^2/NDF: 27.8/23

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 468.506+/-290.436 χ^2/NDF: 26.9/28

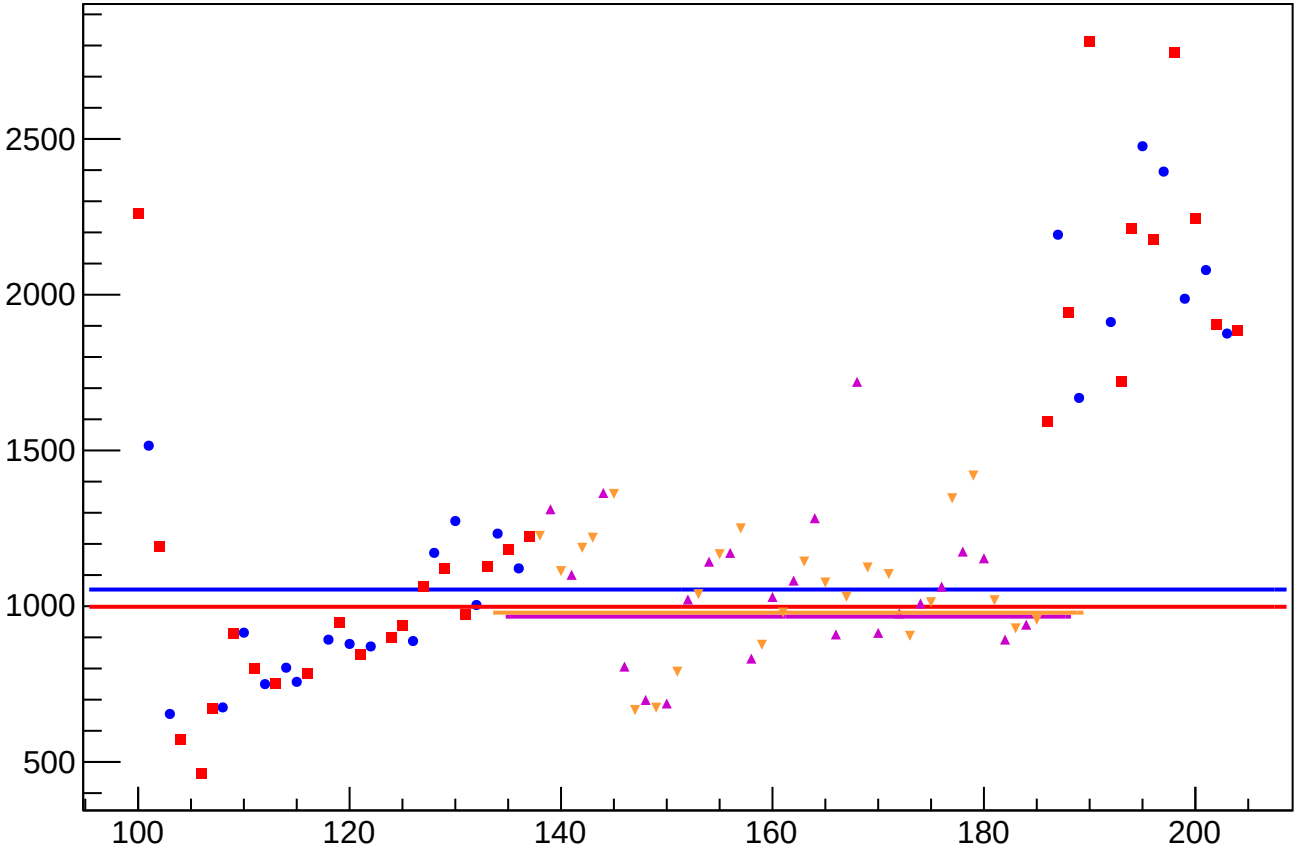
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -179.841+/-185.843 χ^2/NDF: 58.0/48

All: 5.863+/-129.746 χ^2/NDF: 101.3/100

\- sign 182.446+/-181.222 χ^2/NDF: 41.3/51

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 1053.545+/-0.225 χ^2/NDF: 4051393.9/23

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 998.177+/-0.205 χ^2/NDF: 5816574.0/28

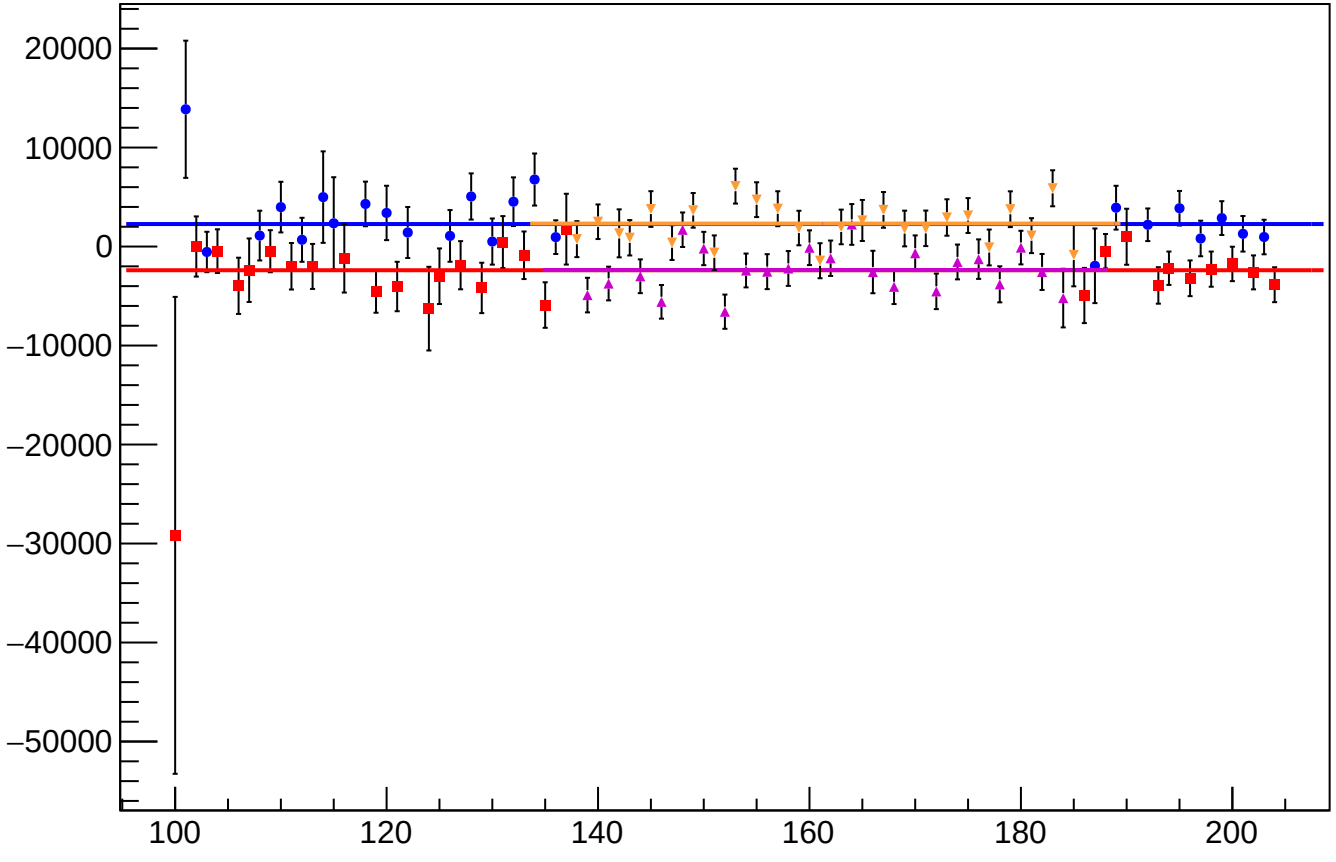
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1004.693+/-0.131 χ^2/NDF: 5753993.3/48

All: 991.447+/-0.092 χ^2/NDF: 13207449.8/10

- sign 978.852+/-0.128 χ^2/NDF: 7433635.4/51

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2272.735+/-457.423 χ^2/NDF: 18.2/23

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2393.516+/-424.941 χ^2/NDF: 17.3/28

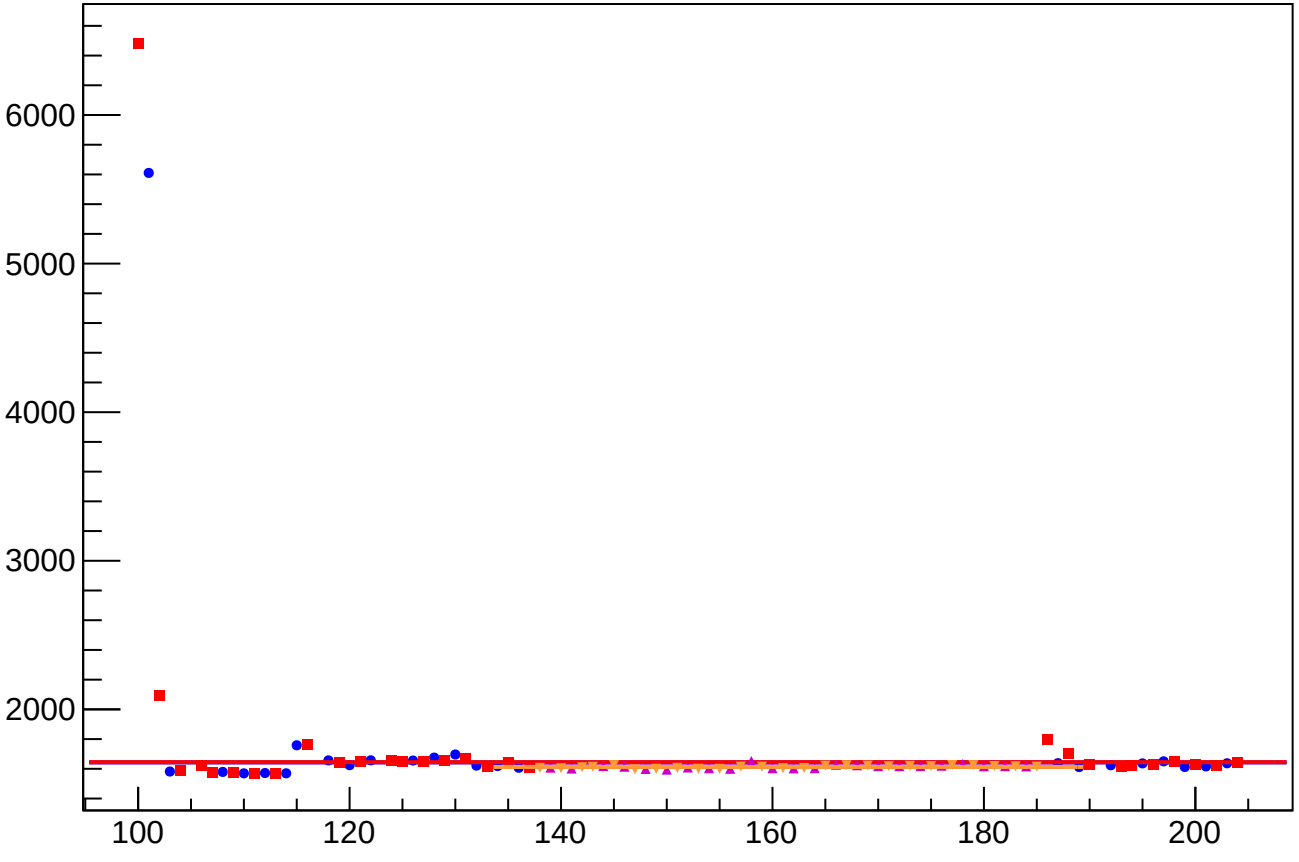
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2302.157+/-285.922 χ^2/NDF: 45.7/48

All: -72.236+/-200.750 χ^2/NDF: 232.8/100

- sign -2380.743+/-281.928 χ^2/NDF: 51.1/51

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1643.014+/-0.323 χ^2/NDF: 669005.3/23

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.720+/-0.300 χ^2/NDF: 145935.1/28

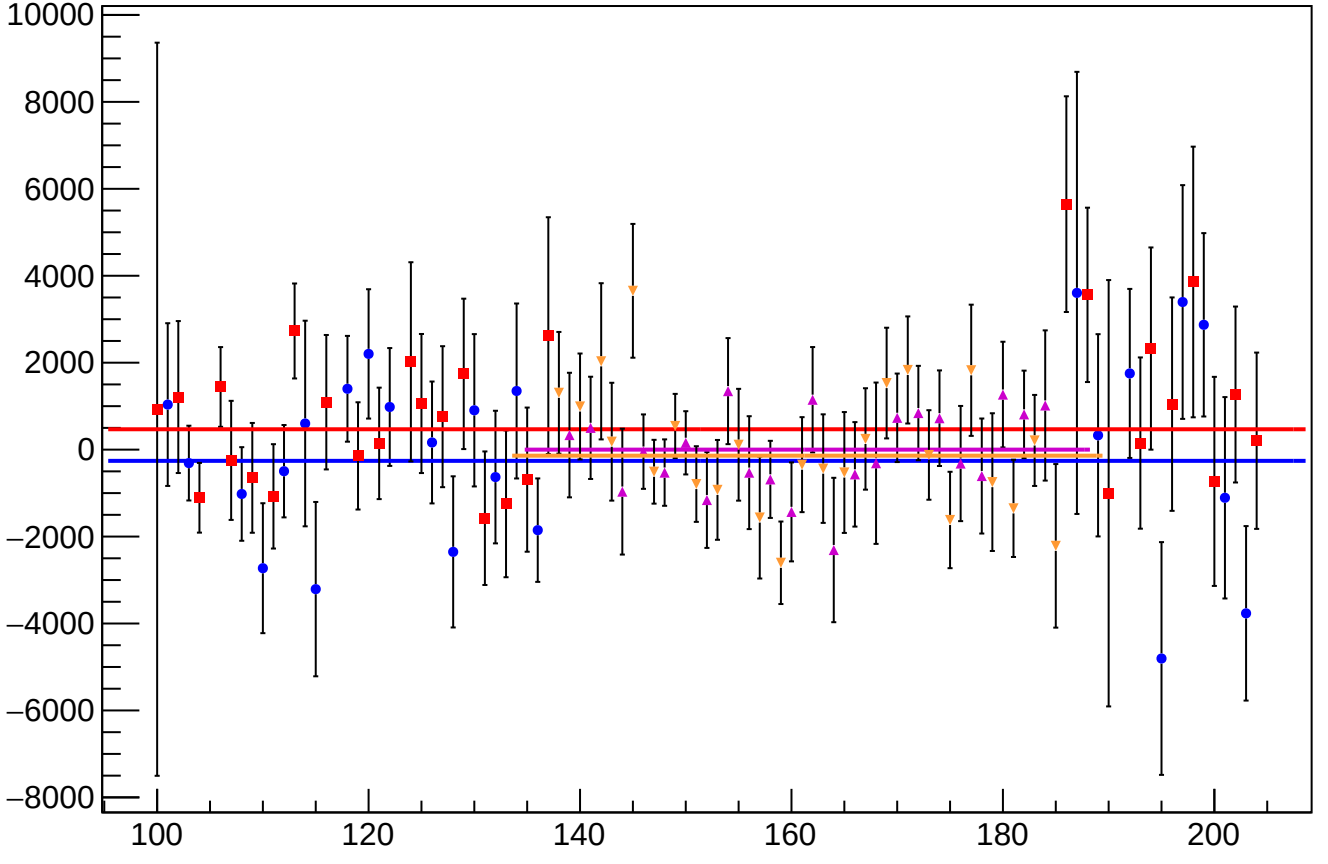
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.488+/-0.202 χ^2/NDF: 675562.3/48

All: 1625.967+/-0.142 χ^2/NDF: 829888.4/100

- sign 1627.406+/-0.199 χ^2/NDF: 154220.5/51

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: -258.235+/-317.730 χ^2/NDF: 27.8/23

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

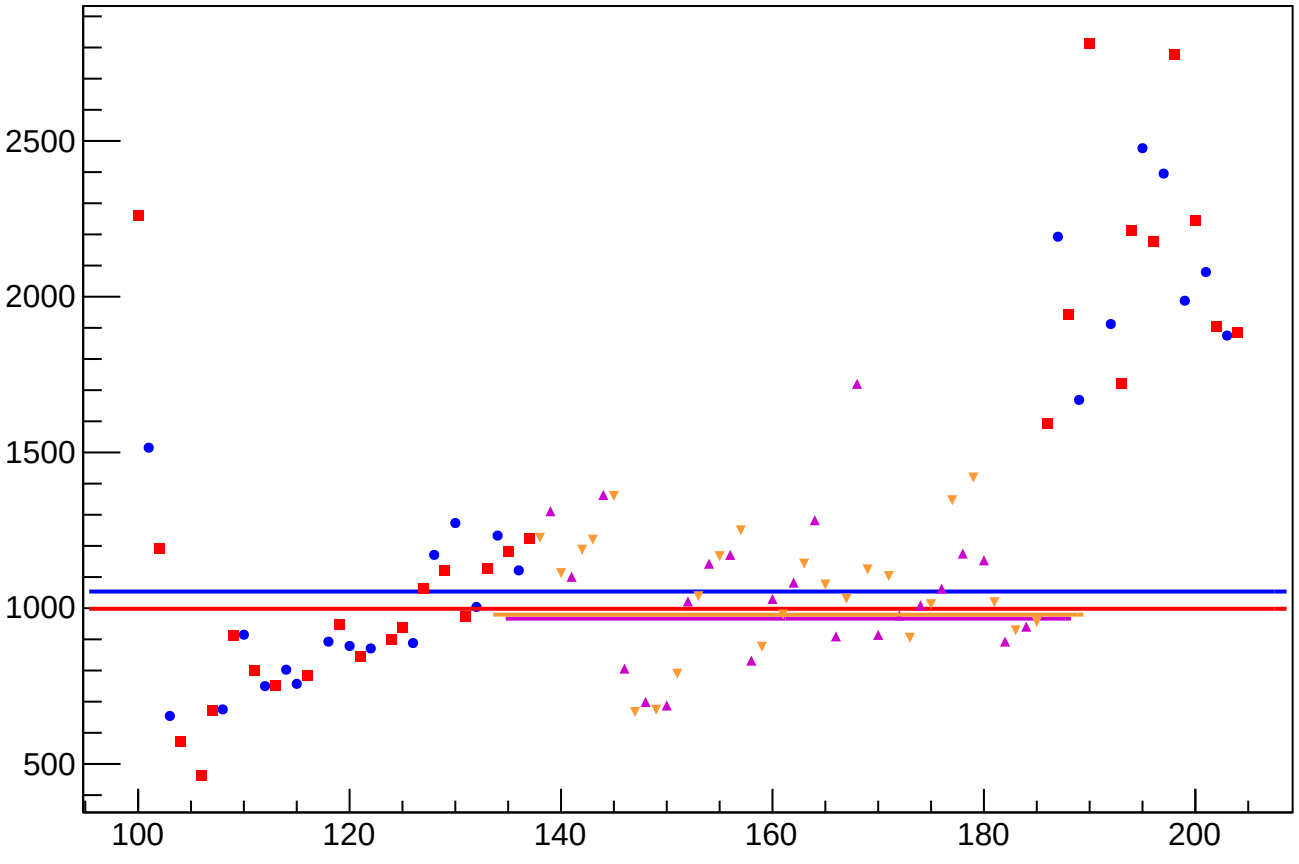
Right Out: 468.506+/-290.436 χ^2/NDF: 26.9/28

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -179.841+/-185.843 χ^2/NDF: 58.0/48

All: 5.863+/-129.746 χ^2/NDF: 101.3/100

\- sign 182.446+/-181.222 χ^2/NDF: 41.3/51



Right In: 1053.545+/-0.225 χ^2/NDF: 4051393.9/23

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 998.177+/-0.205 χ^2/NDF: 5816574.0/28

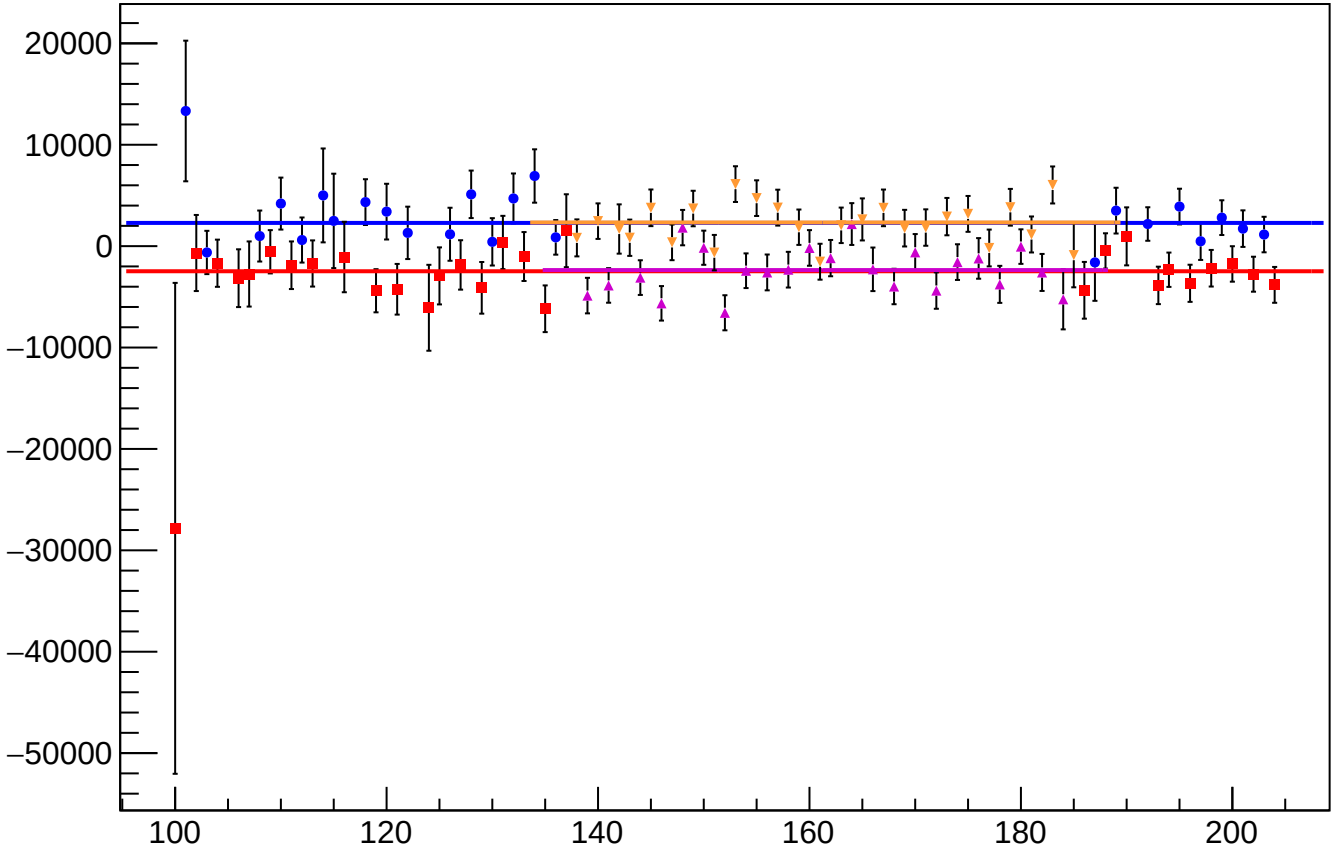
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1004.693+/-0.131 χ^2/NDF: 5753993.3/48

All: 991.447+/-0.092 χ^2/NDF: 13207449.8/10

- sign 978.852+/-0.128 χ^2/NDF: 7433635.4/51

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2291.112+/-460.640 χ^2/NDF: 18.1/23

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2476.176+/-429.046 χ^2/NDF: 15.6/28

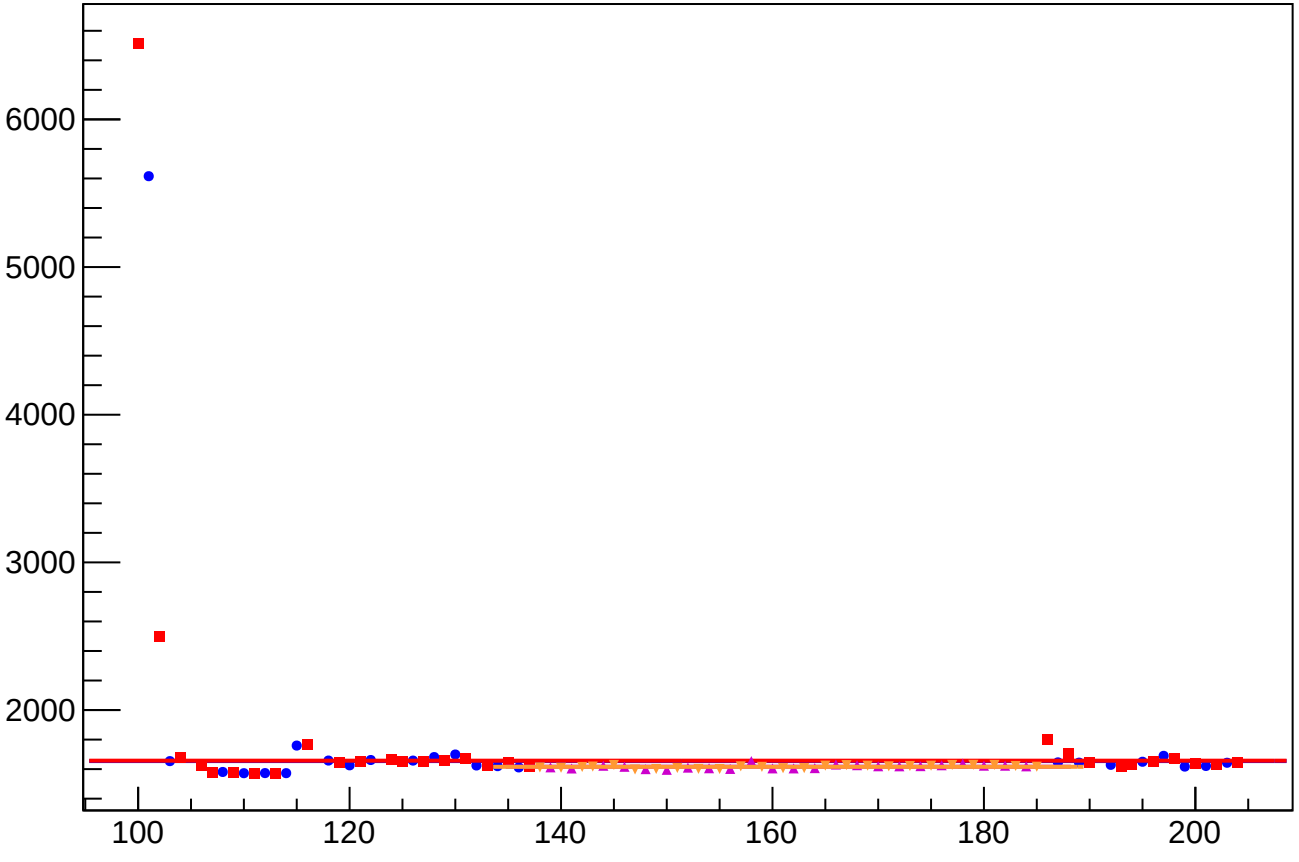
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2317.862+/-287.034 χ^2/NDF: 46.3/48

All: -76.843+/-201.656 χ^2/NDF: 233.4/100

- sign -2410.841+/-283.372 χ^2/NDF: 49.6/51

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1654.473+/-0.326 χ^2/NDF: 666617.2/23

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1657.173+/-0.303 χ^2/NDF: 202535.2/28

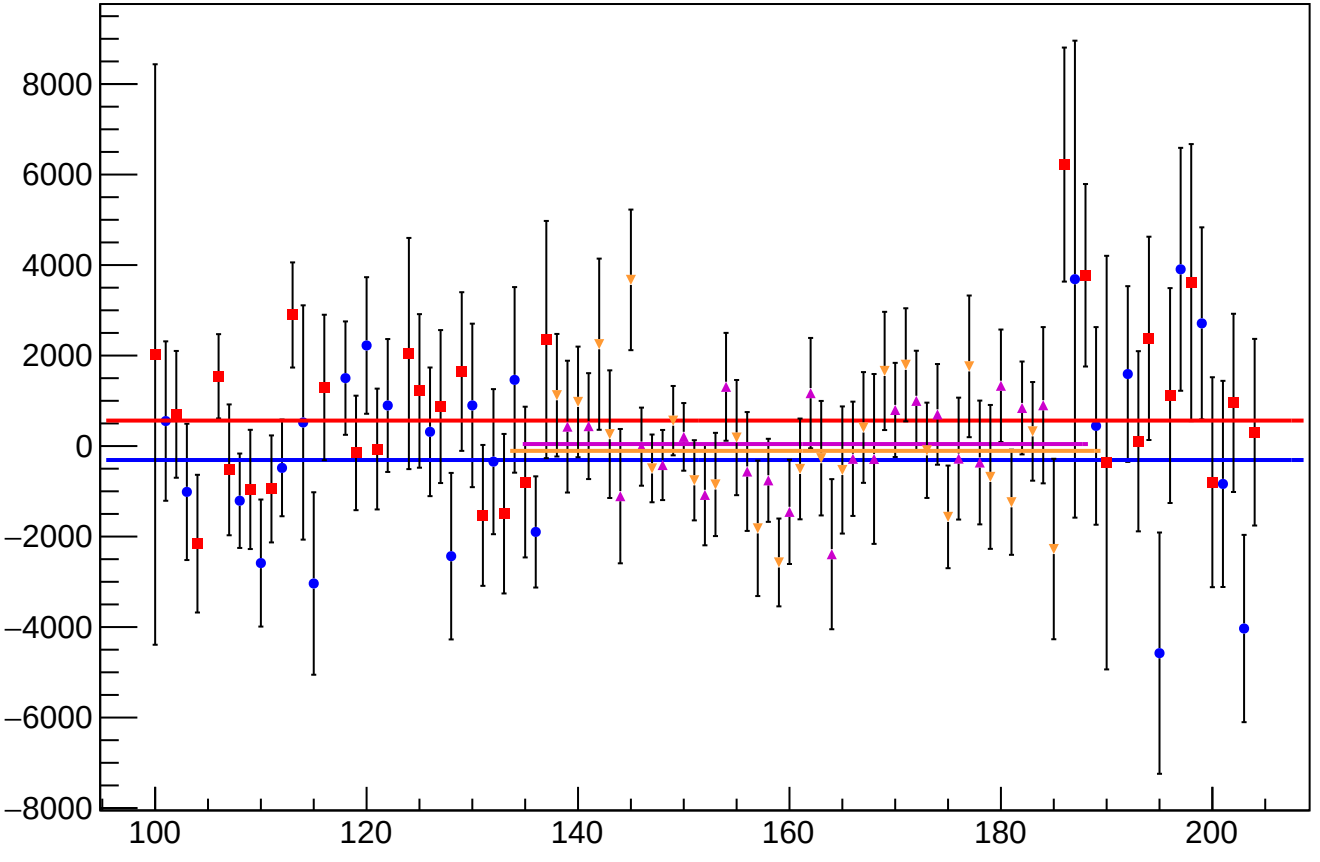
Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.714+/-0.203 χ^2/NDF: 676762.3/48

All: 1632.461+/-0.143 χ^2/NDF: 892204.2/100

- sign 1634.164+/-0.200 χ^2/NDF: 215295.6/51

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -308.319+/-336.619 χ^2/NDF: 27.8/23

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 563.138+/-308.965 χ^2/NDF: 27.4/28

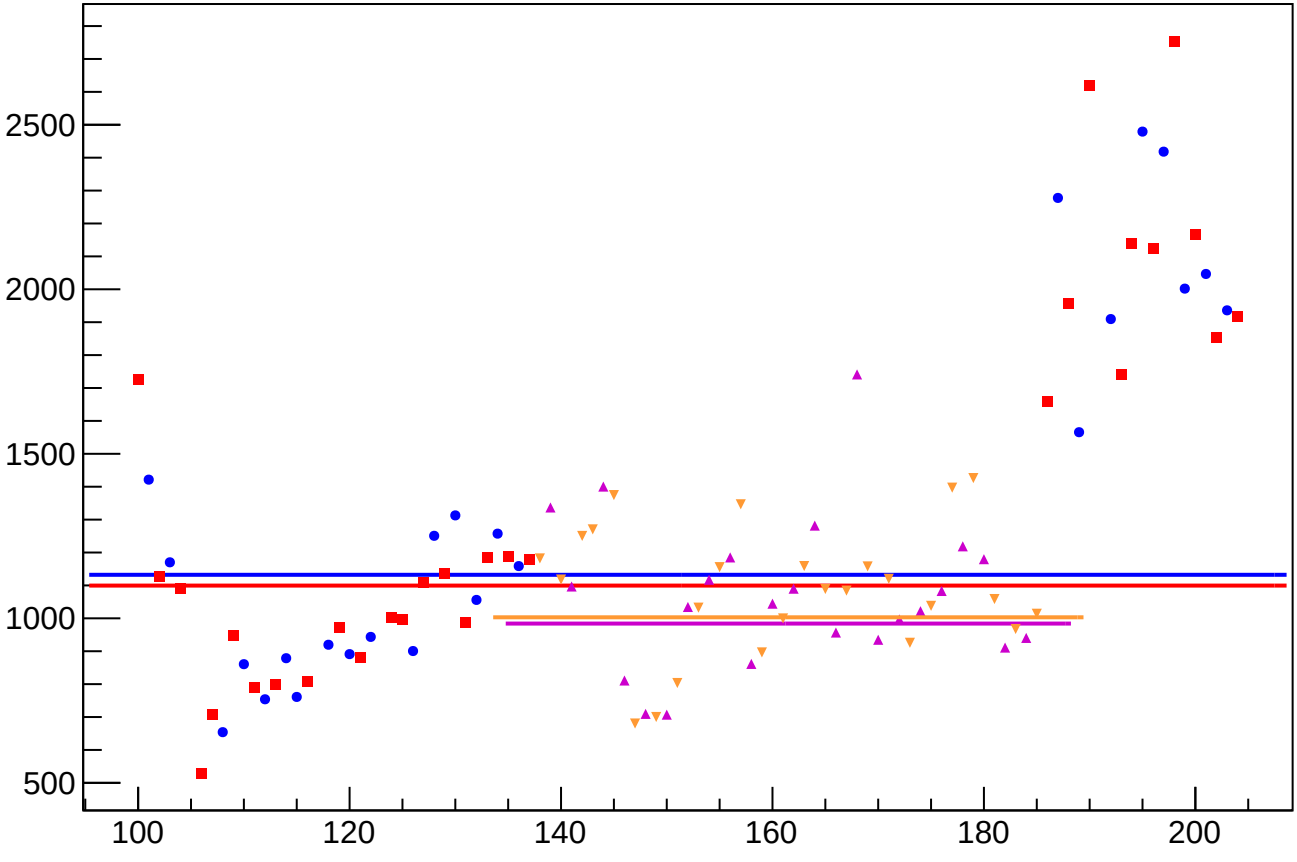
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -172.259+/-192.307 χ^2/NDF: 57.0/48

All: 36.777+/-134.218 χ^2/NDF: 101.3/100

- sign 235.309+/-187.413 χ^2/NDF: 42.0/51

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1132.274+/-0.238 χ^2/NDF: 3547244.8/23

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1099.512+/-0.218 χ^2/NDF: 4690920.7/28

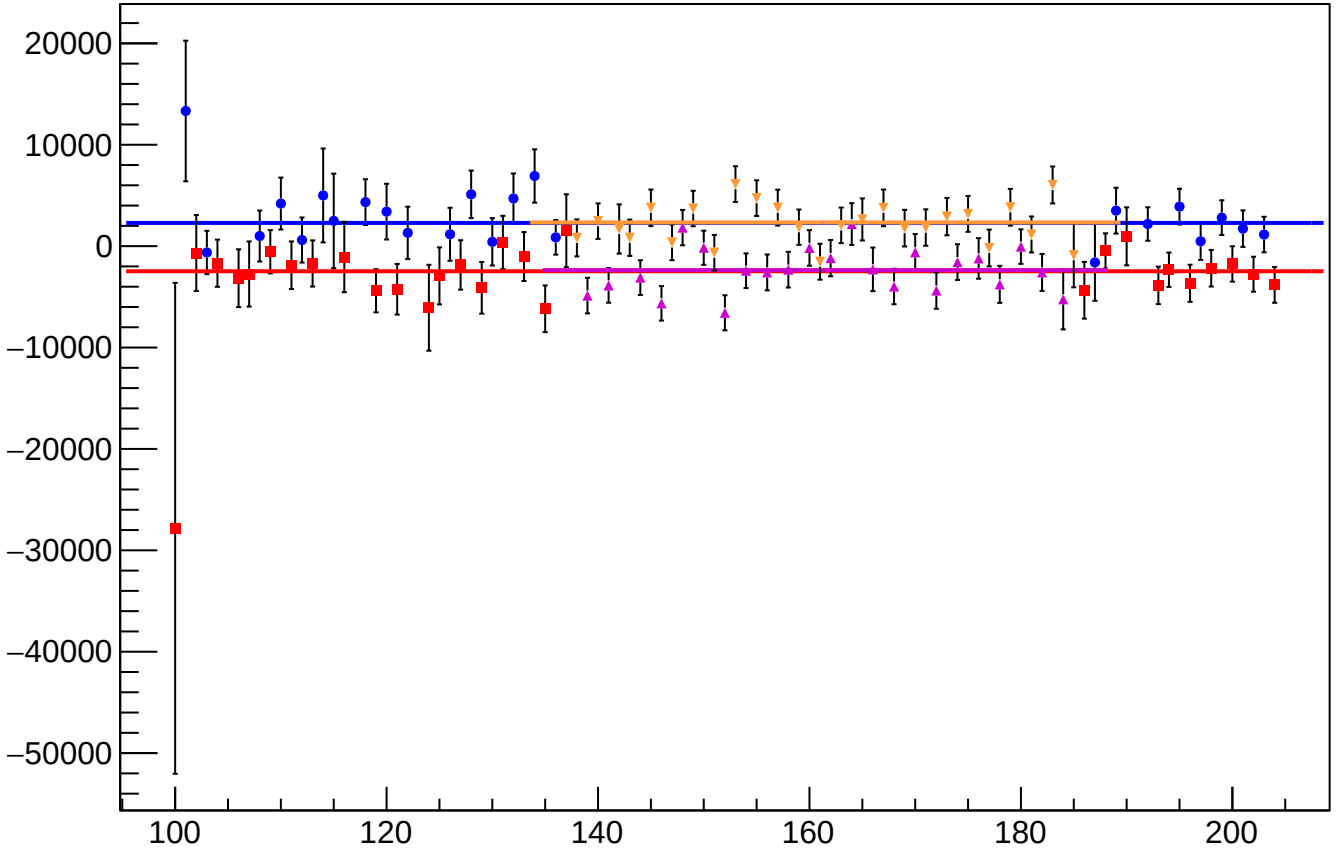
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1045.259+/-0.136 χ^2/NDF: 5344047.9/48

All: 1035.656+/-0.095 χ^2/NDF: 11780786.5/1

- sign 1026.536+/-0.133 χ^2/NDF: 6427014.8/51

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2291.111+/-460.640 χ^2/NDF: 18.1/23

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2476.174+/-429.046 χ^2/NDF: 15.6/28

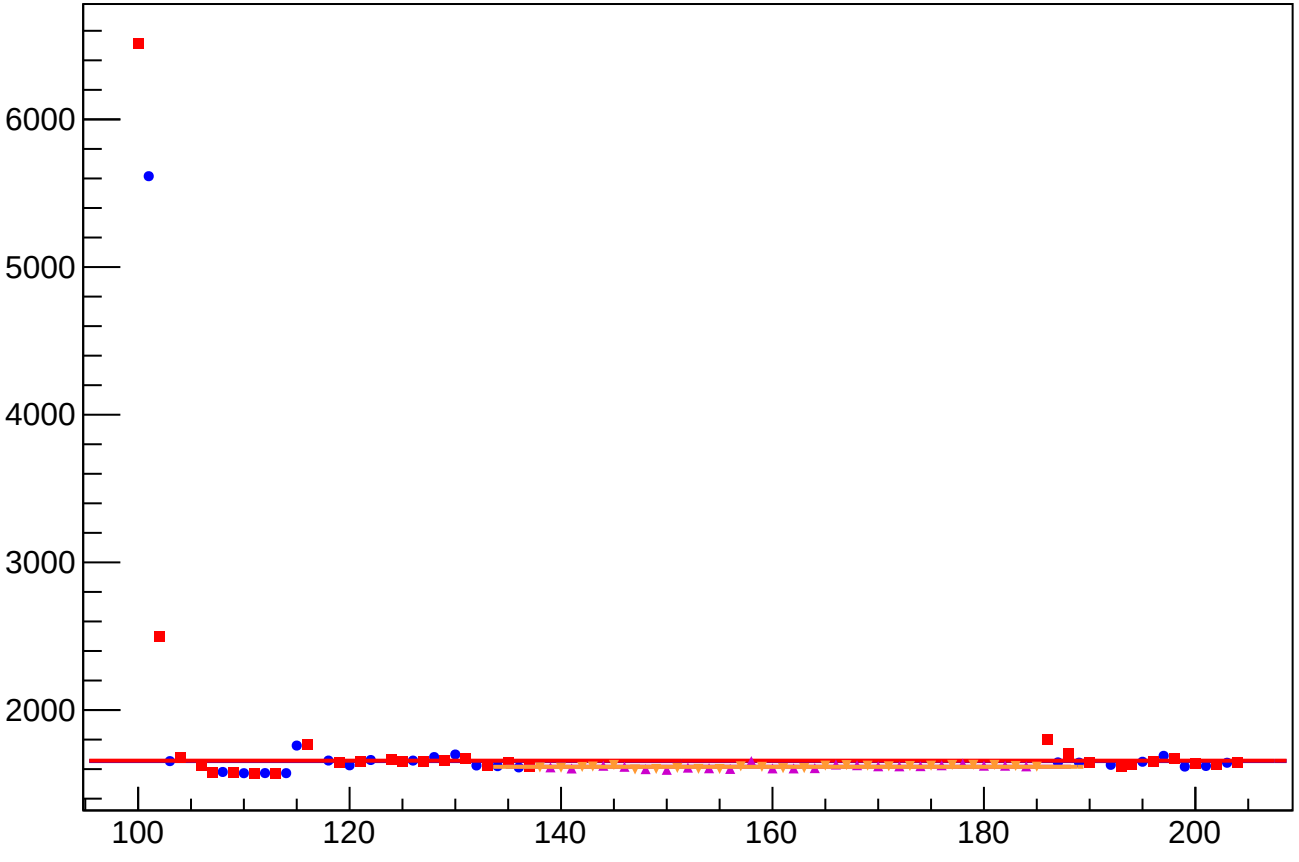
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2317.861+/-287.034 χ^2/NDF: 46.3/48

All: -76.842+/-201.656 χ^2/NDF: 233.4/100

- sign -2410.840+/-283.372 χ^2/NDF: 49.6/51

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1654.473+/-0.326 χ^2/NDF: 666617.2/23

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

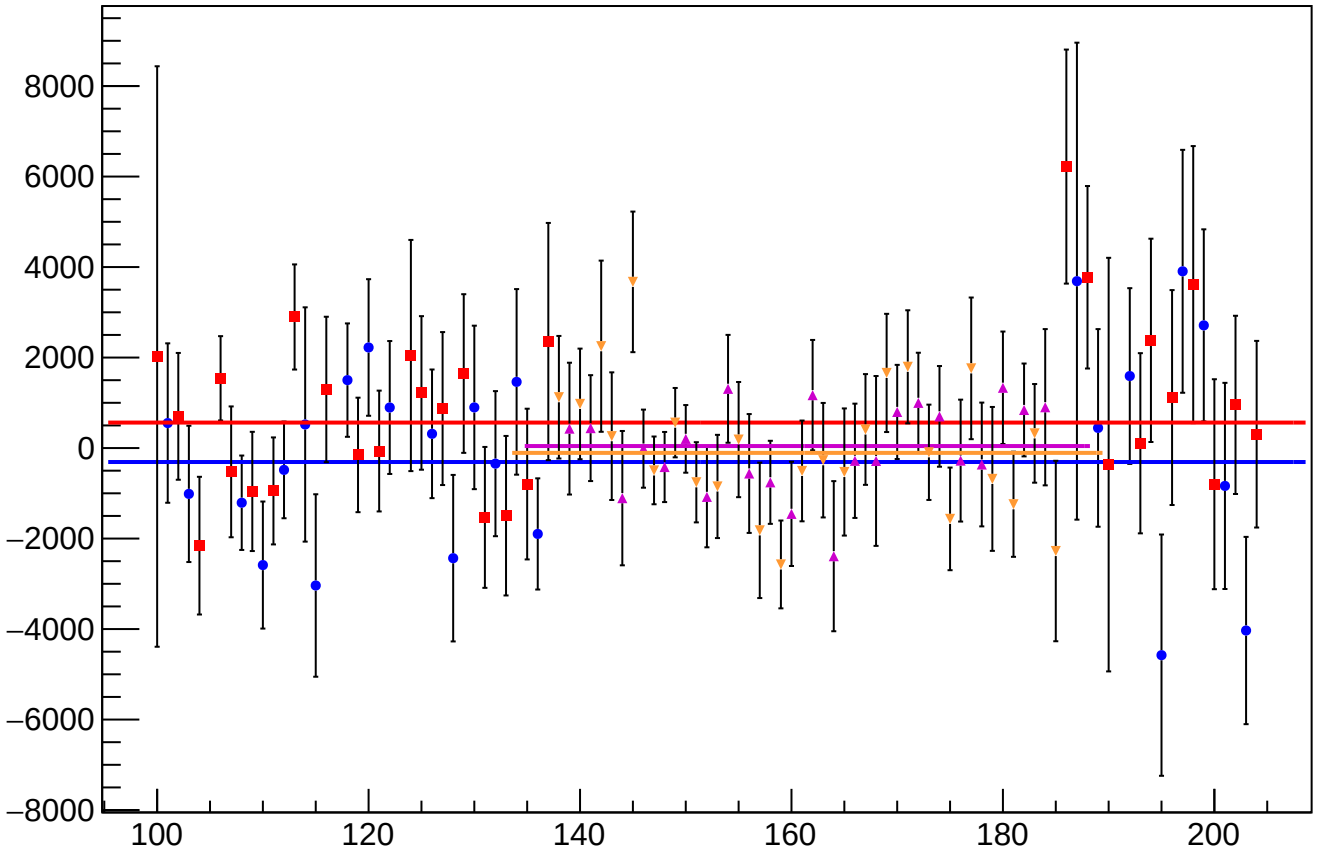
Right Out: 1657.173+/-0.303 χ^2/NDF: 202535.1/28

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.714+/-0.203 χ^2/NDF: 676762.3/48

All: 1632.461+/-0.143 χ^2/NDF: 892204.0/100

- sign 1634.164+/-0.200 χ^2/NDF: 215295.4/51



Right In: -308.319+/-336.618 χ^2/NDF: 27.8/23

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

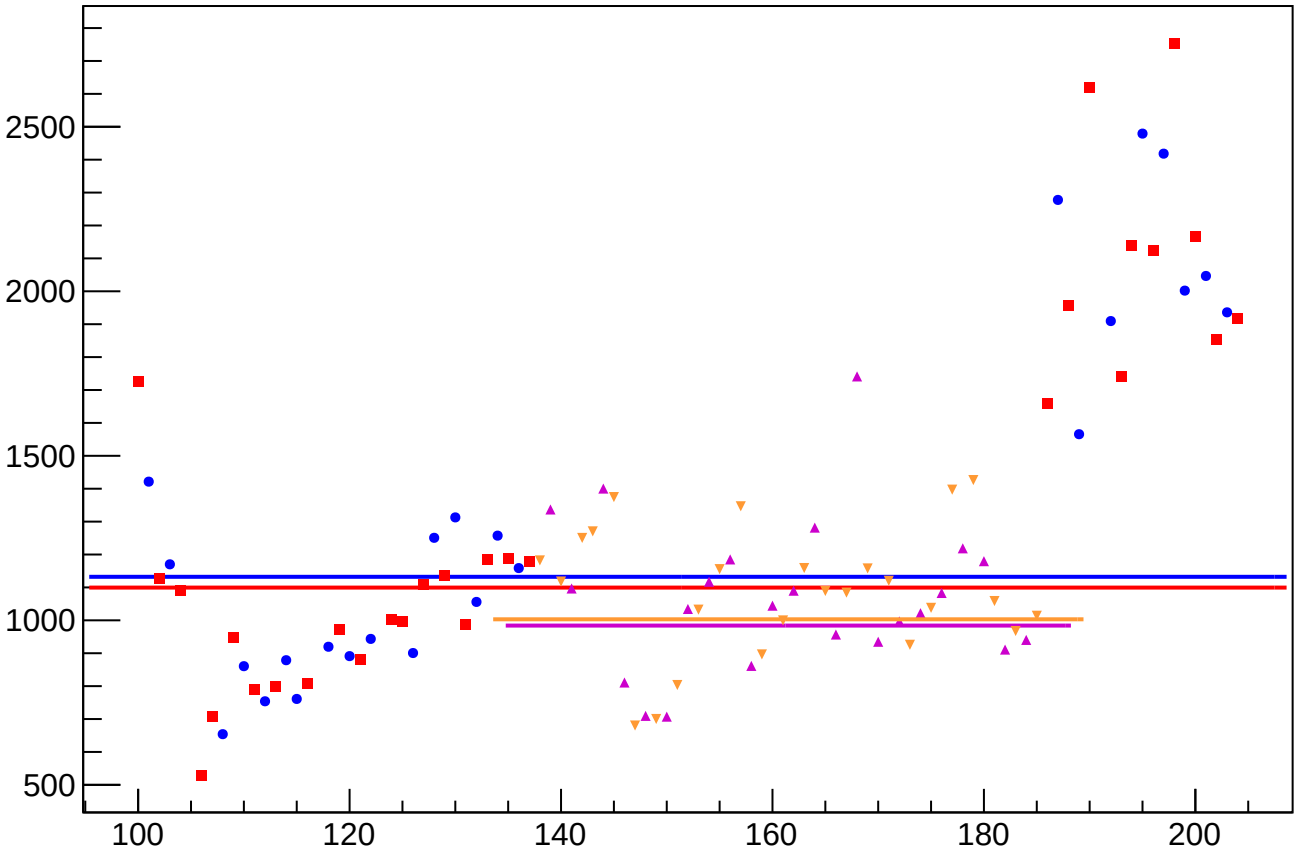
Right Out: 563.136+/-308.964 χ^2/NDF: 27.4/28

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

\+ sign -172.260+/-192.307 χ^2/NDF: 57.0/48

All: 36.776+/-134.218 χ^2/NDF: 101.3/100

\- sign 235.309+/-187.413 χ^2/NDF: 42.0/51



Right In: 1132.269+/-0.238 χ^2/NDF: 3547285.1/23

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1099.509+/-0.218 χ^2/NDF: 4690950.7/28

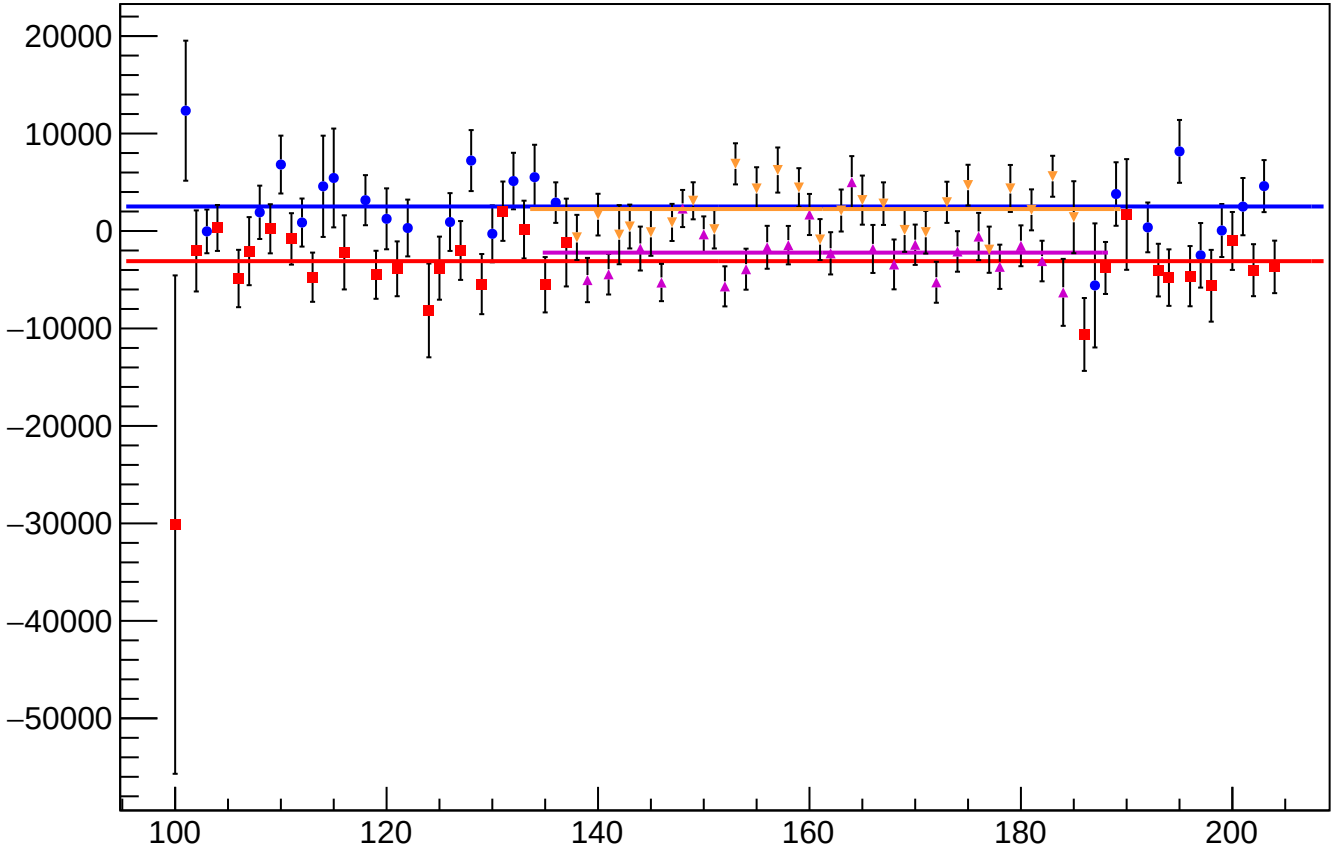
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1045.259+/-0.136 χ^2/NDF: 5344071.1/48

All: 1035.656+/-0.095 χ^2/NDF: 11780826.7/1

- sign 1026.536+/-0.133 χ^2/NDF: 6427031.9/51

asym_usr_atr1_avg_mean vs Slug



Right In: 2515.149+/-608.393 χ^2/NDF: 21.5/23

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -3093.904+/-570.455 χ^2/NDF: 20.5/28

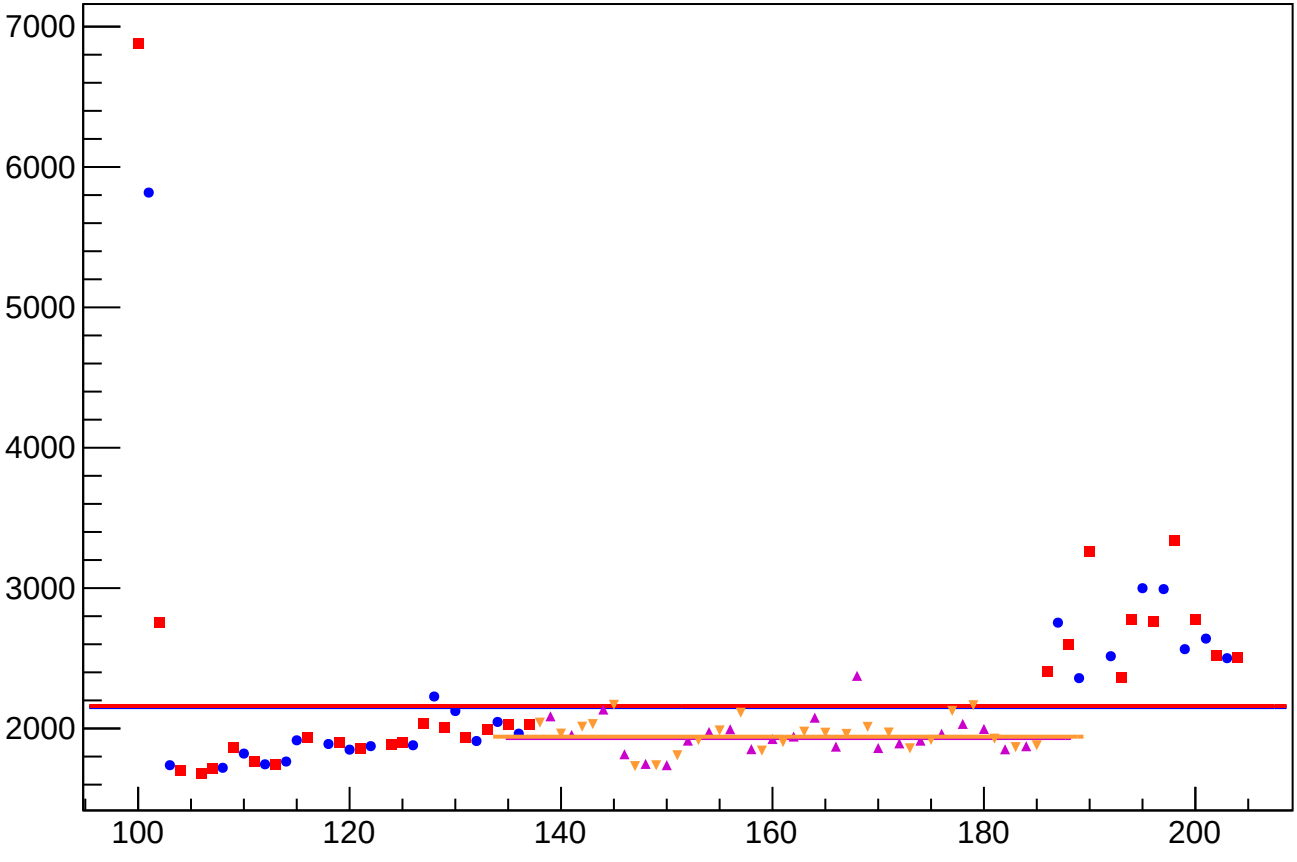
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2343.215+/-357.705 χ^2/NDF: 49.9/48

All: -129.544+/-251.762 χ^2/NDF: 198.1/100

- sign -2556.943+/-354.409 χ^2/NDF: 53.5/51

asym_usr_atr1_avg_rms vs Slug



Right In: 2152.401+/-0.430 χ^2/NDF: 1310668.7/23

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

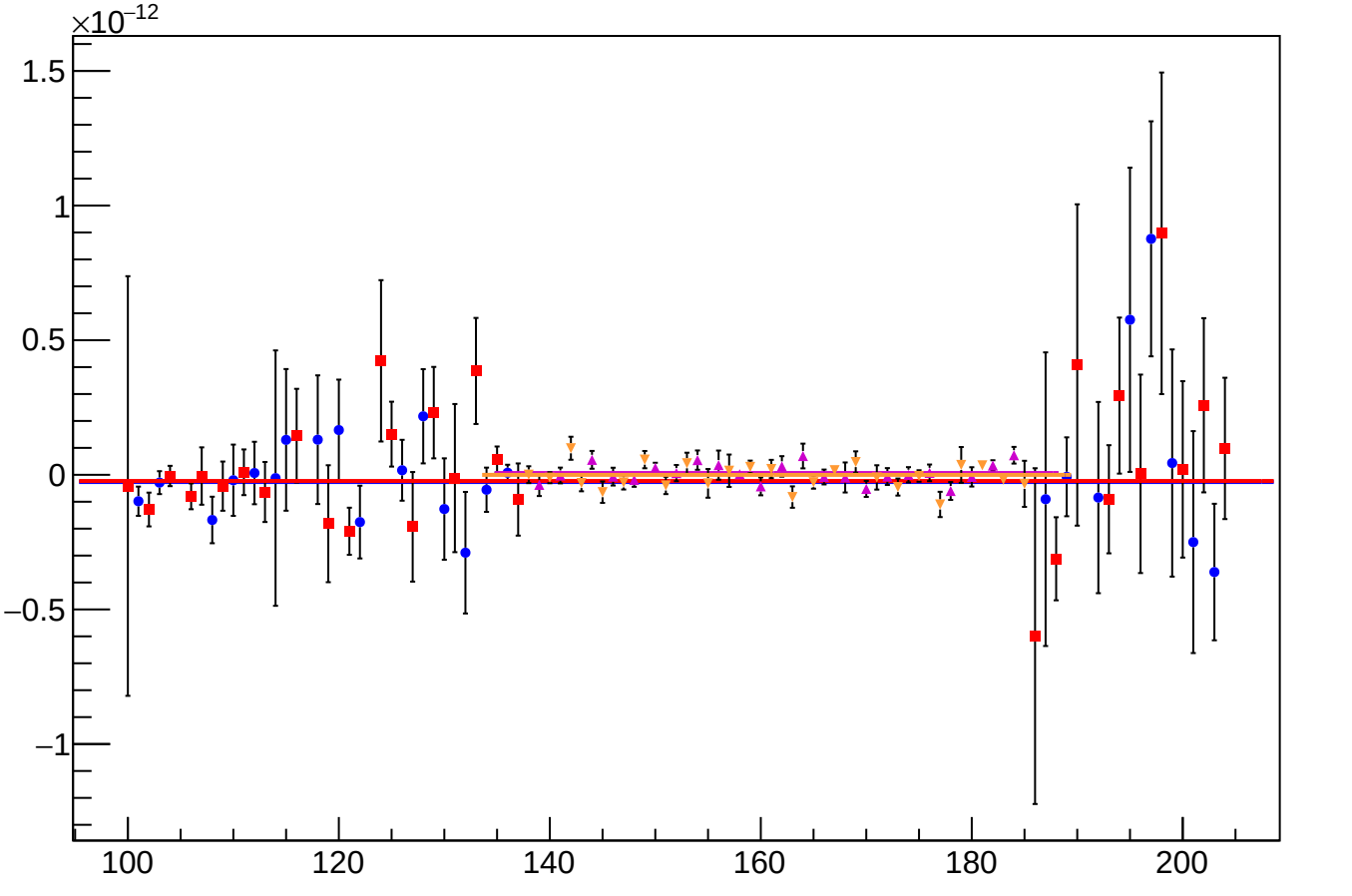
Right Out: 2160.285+/-0.403 χ^2/NDF: 1180989.6/28

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 2014.460+/-0.253 χ^2/NDF: 1606812.1/48

All: 2017.255+/-0.178 χ^2/NDF: 3144908.5/10

- sign 2019.999+/-0.251 χ^2/NDF: 1537854.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

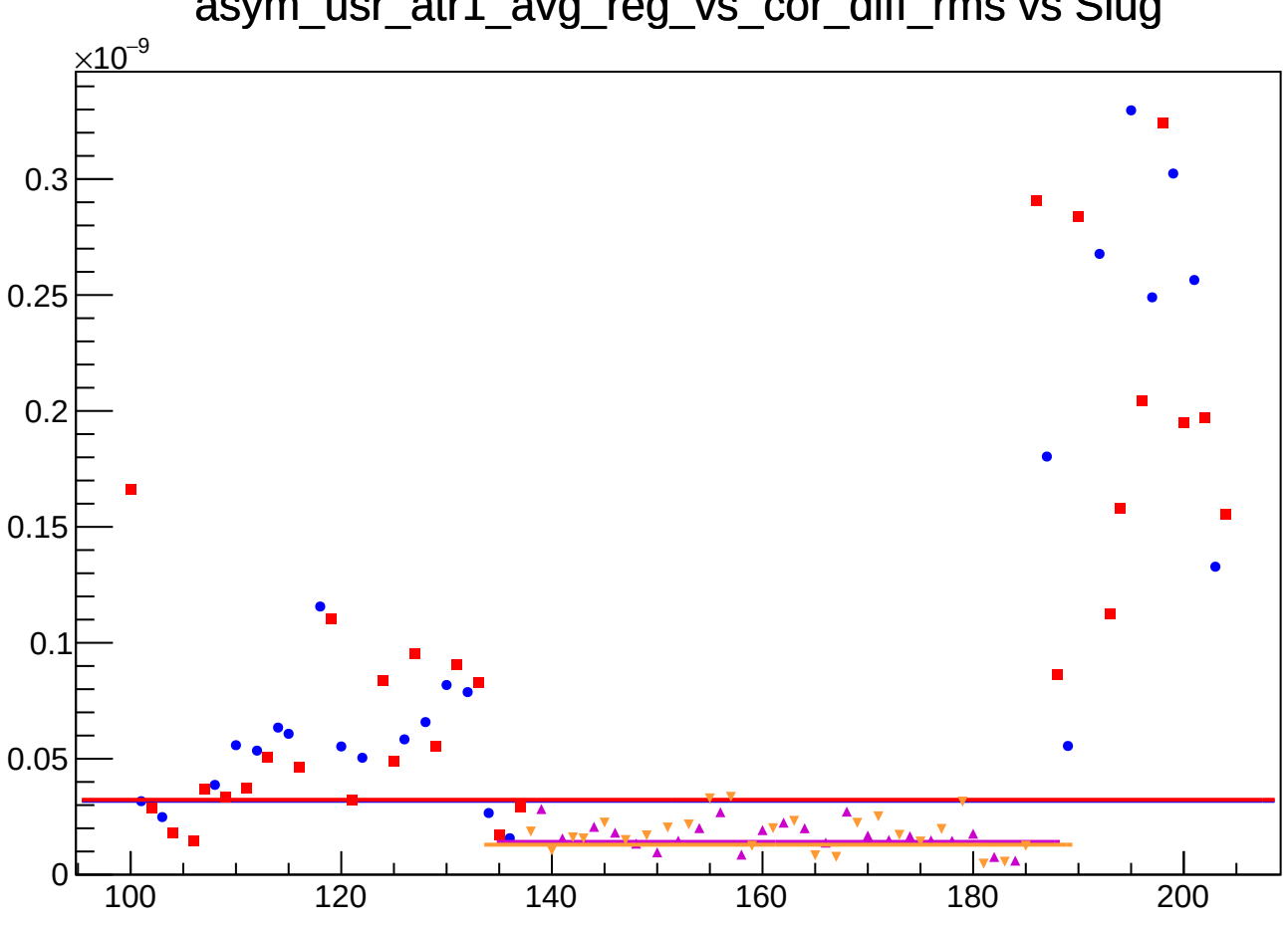
Right Out: -0.000+/-0.000 χ^2/NDF: 35.0/28

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.4/48

All: 0.000+/-0.000 χ^2/NDF: 127.7/100

- sign 0.000+/-0.000 χ^2/NDF: 64.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 5430437.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5711508.6/28

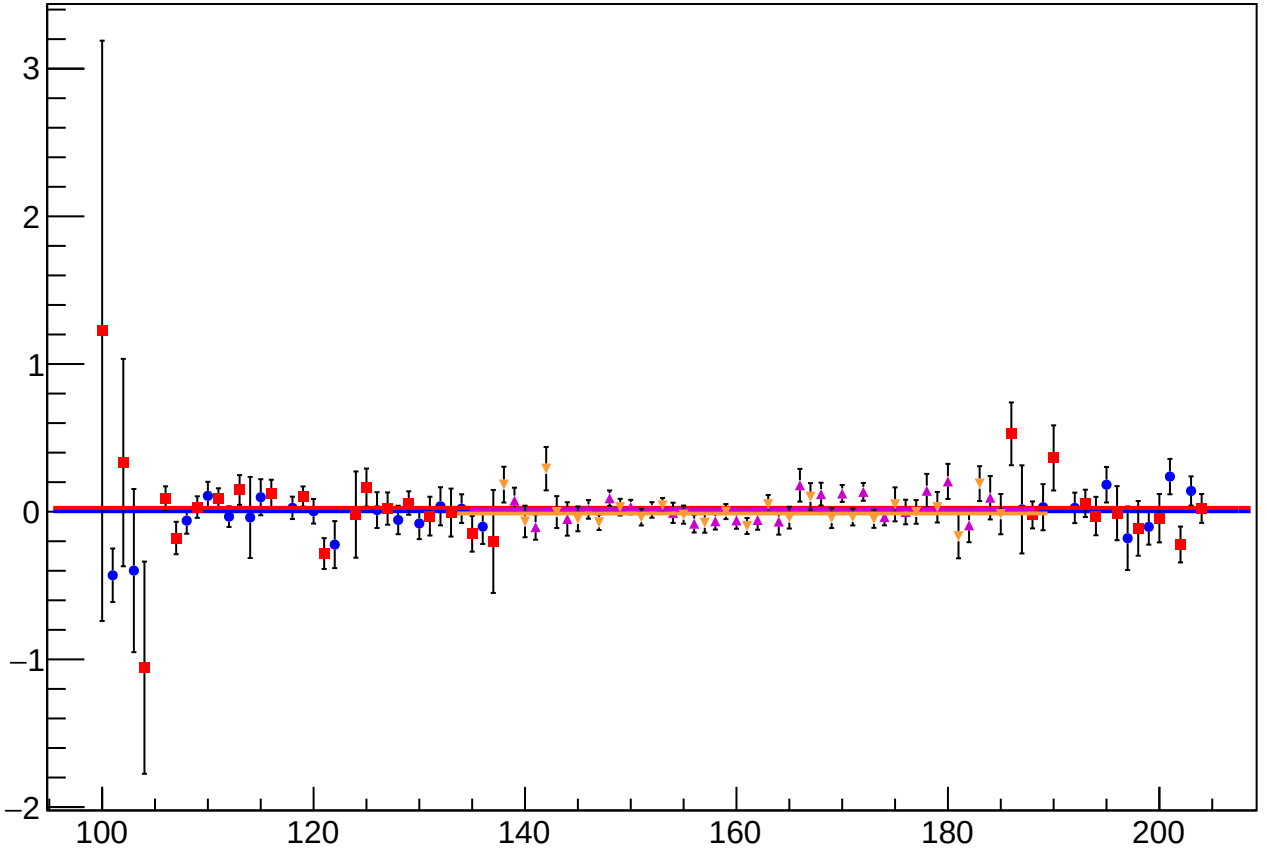
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10106336.7/48

All: 0.000+/-0.000 χ^2/NDF: 19066039.2/100

- sign 0.000+/-0.000 χ^2/NDF: 8902115.2/51

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.023 χ^2/NDF: 22.4/23

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.026+/-0.021 χ^2/NDF: 37.9/28

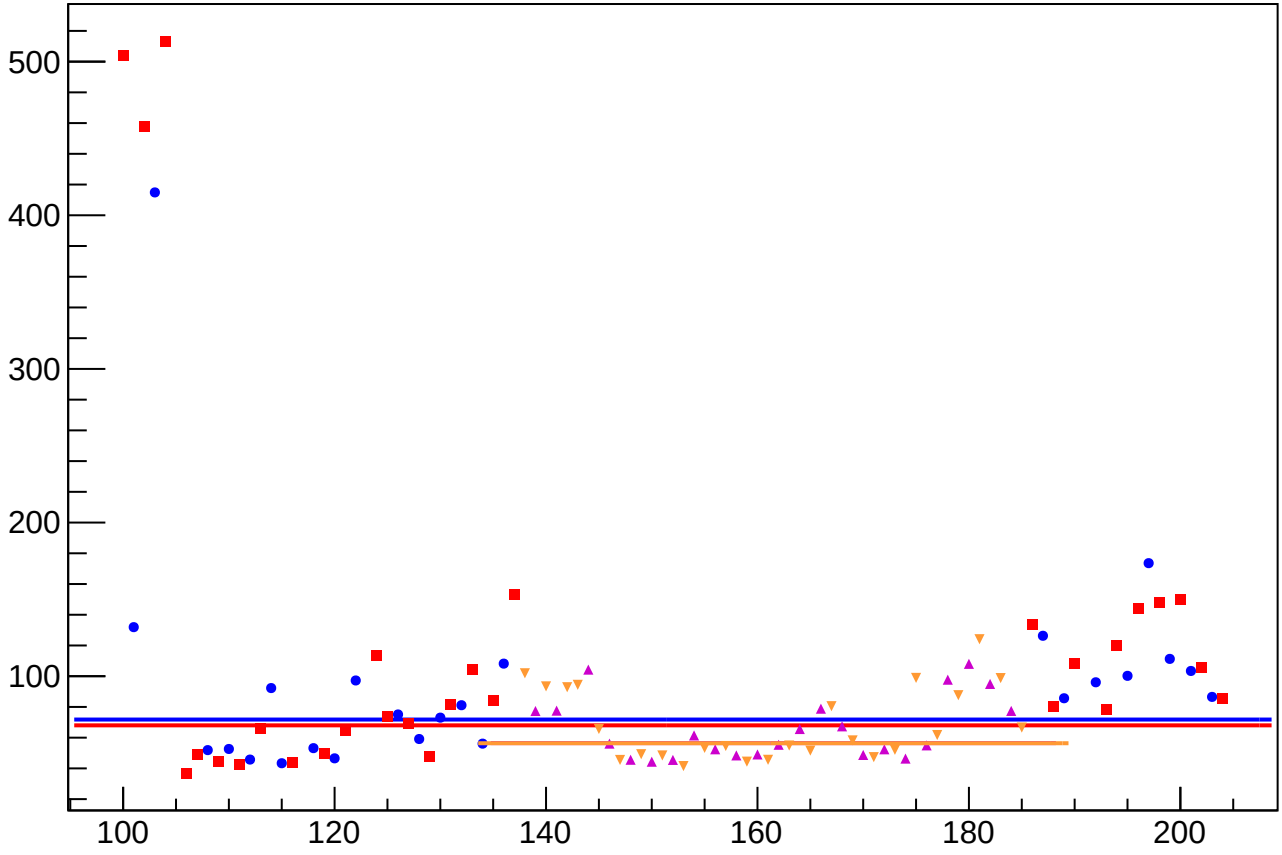
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.008+/-0.012 χ^2/NDF: 44.5/48

All: 0.007+/-0.009 χ^2/NDF: 115.8/100

- sign 0.020+/-0.012 χ^2/NDF: 68.6/51

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 71.795+/-0.016 χ^2/NDF: 3369042.7/23

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

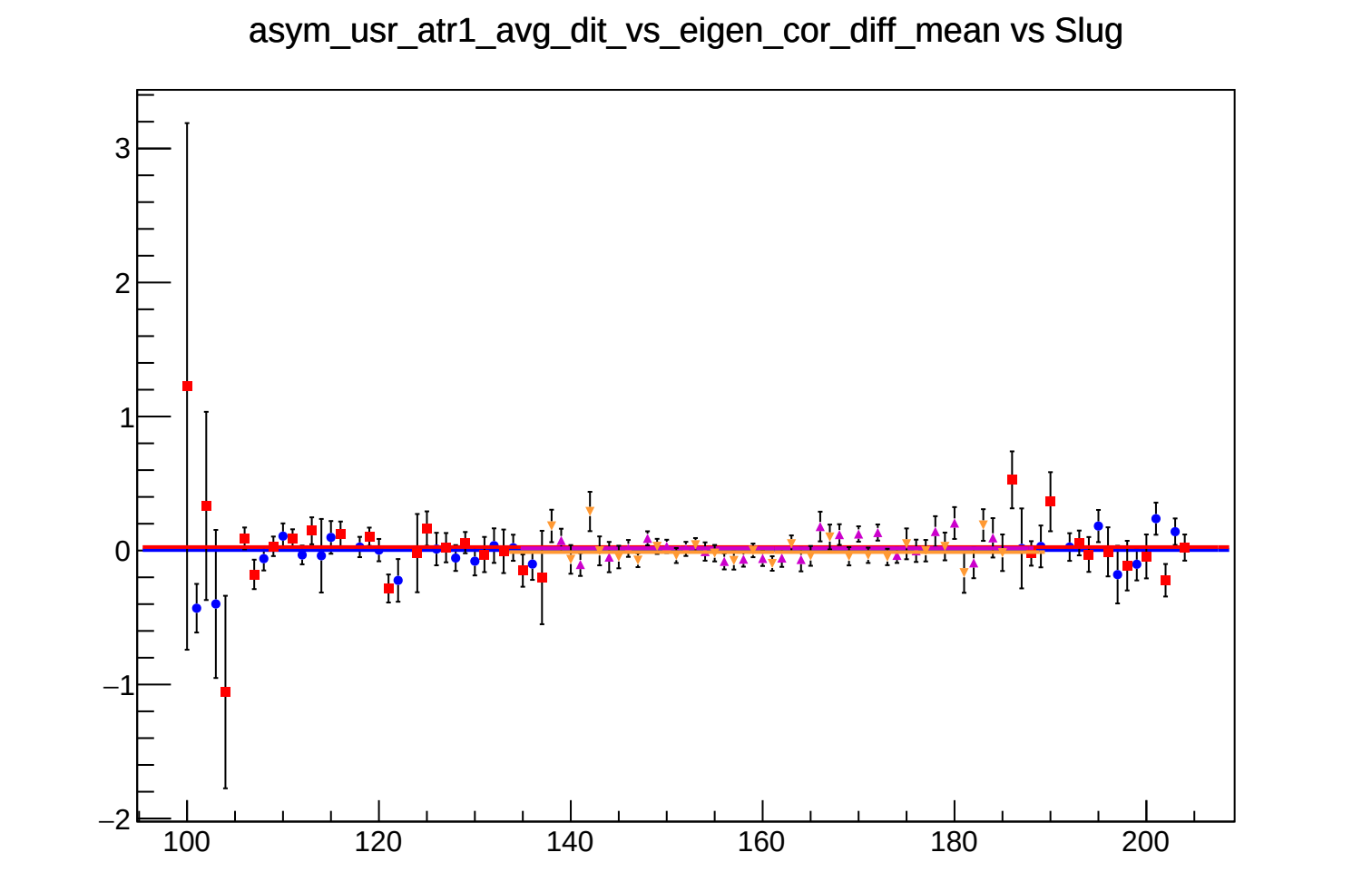
Right Out: 68.017+/-0.015 χ^2/NDF: 5187533.1/28

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 60.689+/-0.009 χ^2/NDF: 6815787.0/48

All: 60.432+/-0.006 χ^2/NDF: 14554387.4/100

- sign 60.185+/-0.008 χ^2/NDF: 7736843.4/51



Right In: 0.003+/-0.023 χ^2/NDF: 22.4/23

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.026+/-0.021 χ^2/NDF: 37.9/28

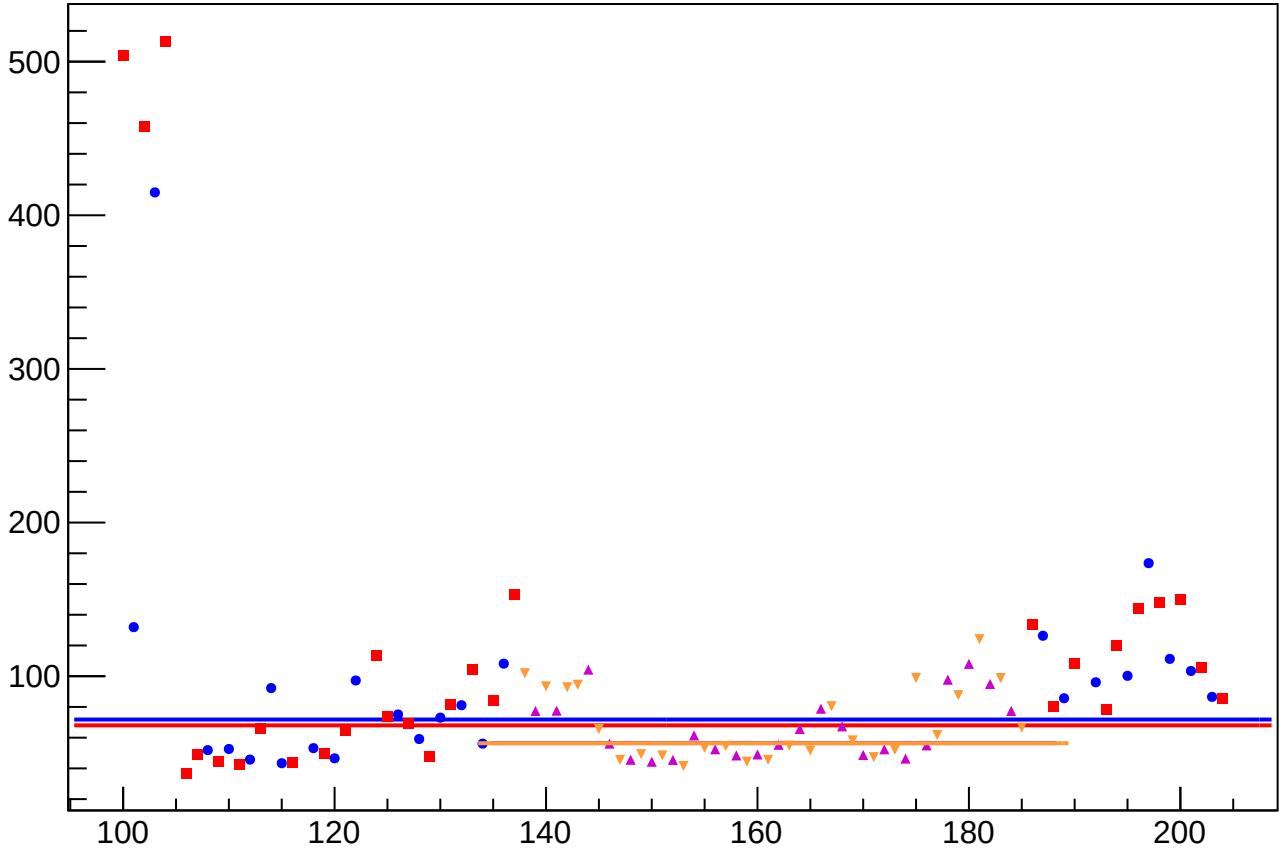
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.008+/-0.012 χ^2/NDF: 44.5/48

All: 0.007+/-0.009 χ^2/NDF: 115.8/100

- sign 0.020+/-0.012 χ^2/NDF: 68.6/51

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.795+/-0.016 χ^2/NDF: 3369042.7/23

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

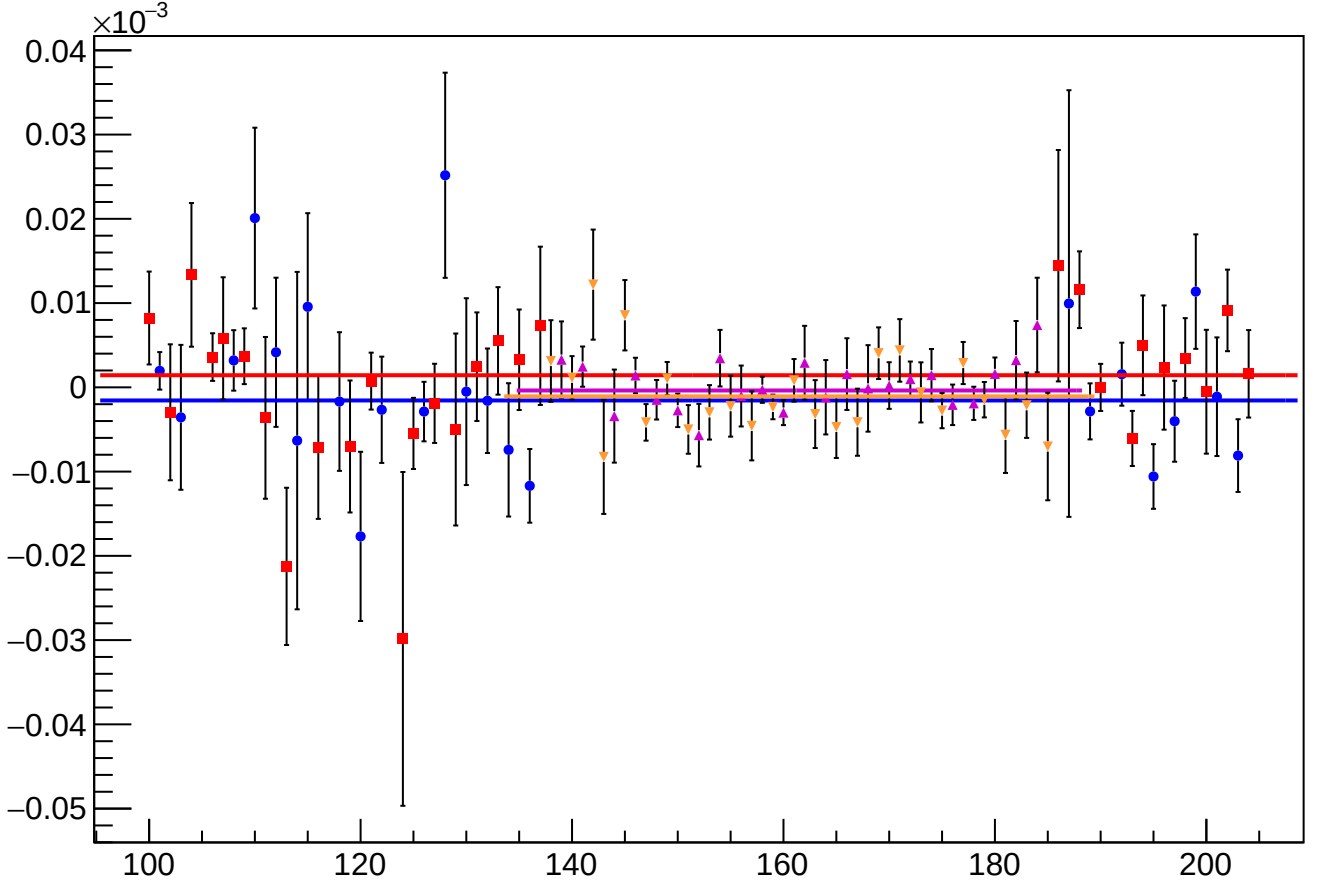
Right Out: 68.017+/-0.015 χ^2/NDF: 5187533.1/28

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 60.689+/-0.009 χ^2/NDF: 6815787.0/48

All: 60.432+/-0.006 χ^2/NDF: 14554387.4/100

- sign 60.185+/-0.008 χ^2/NDF: 7736843.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 36.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

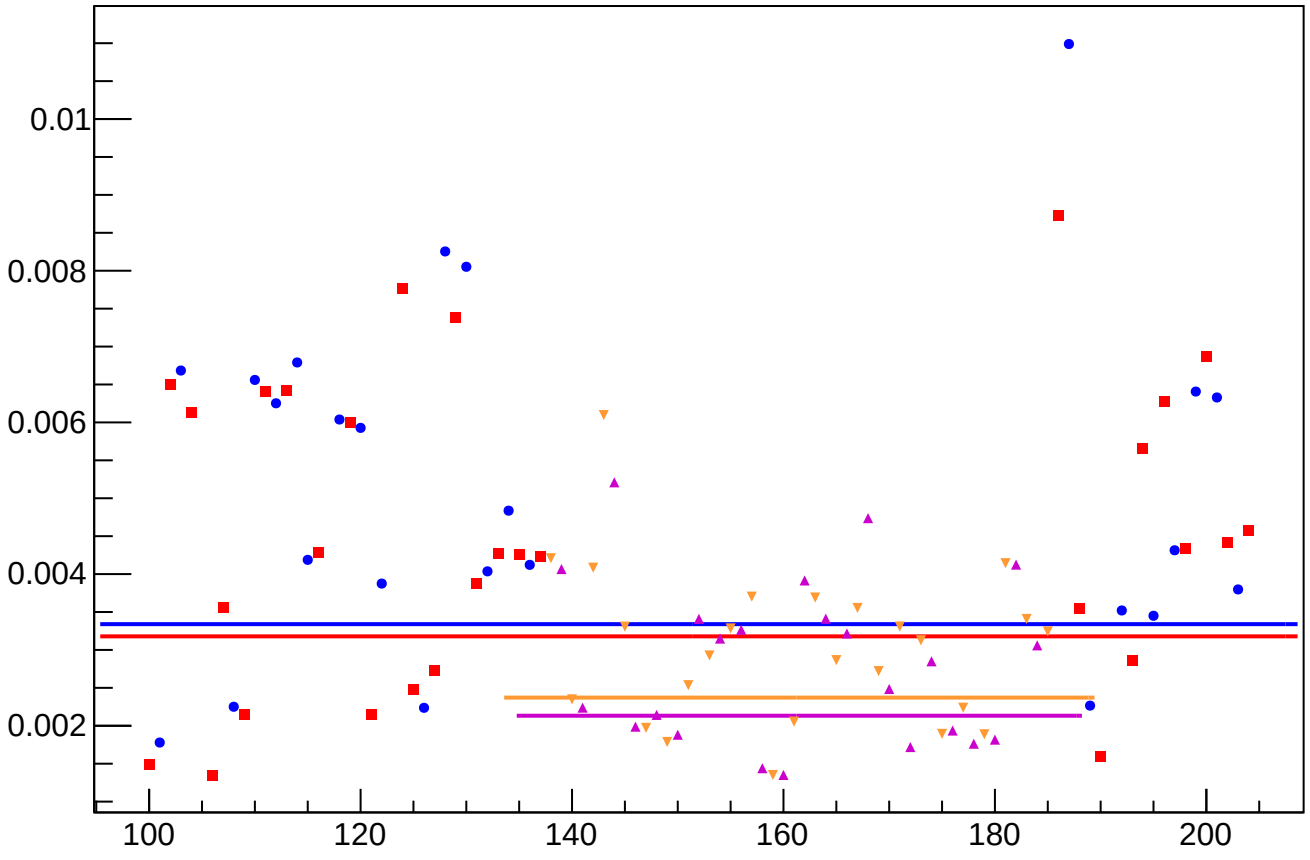
Right Out: 0.000+/-0.000 χ^2/NDF: 35.1/28

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.8/48

All: -0.000+/-0.000 χ^2/NDF: 126.4/100

- sign 0.000+/-0.000 χ^2/NDF: 55.3/51



Right In: 0.003+/-0.000 χ^2/NDF: 4612811.1/23

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

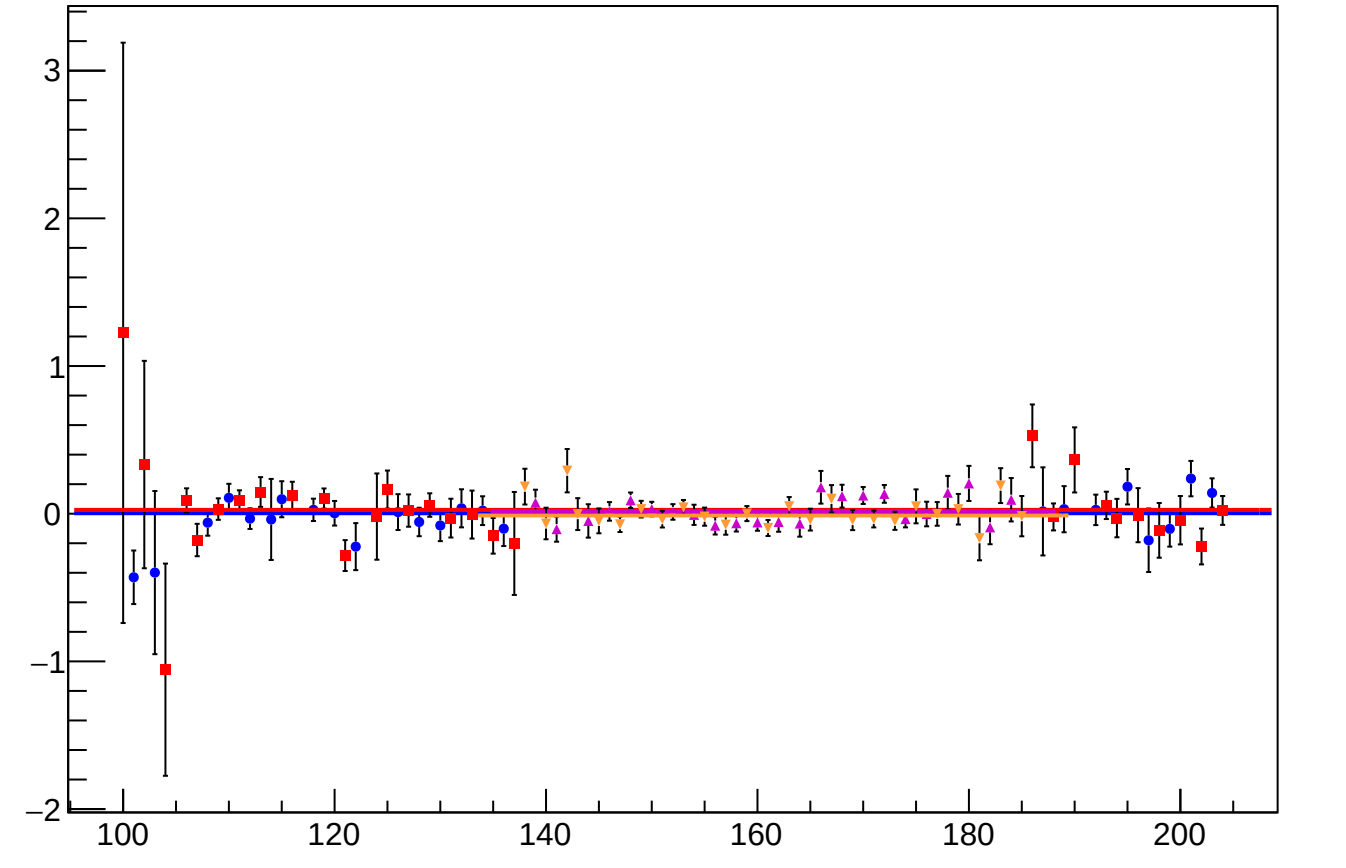
Right Out: 0.003+/-0.000 χ^2/NDF: 5985539.0/28

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 10105580.4/48

All: 0.002+/-0.000 χ^2/NDF: 22644243.4/100

- sign 0.002+/-0.000 χ^2/NDF: 12337391.4/51



Right In: 0.003+/-0.023 χ^2/NDF: 22.4/23

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

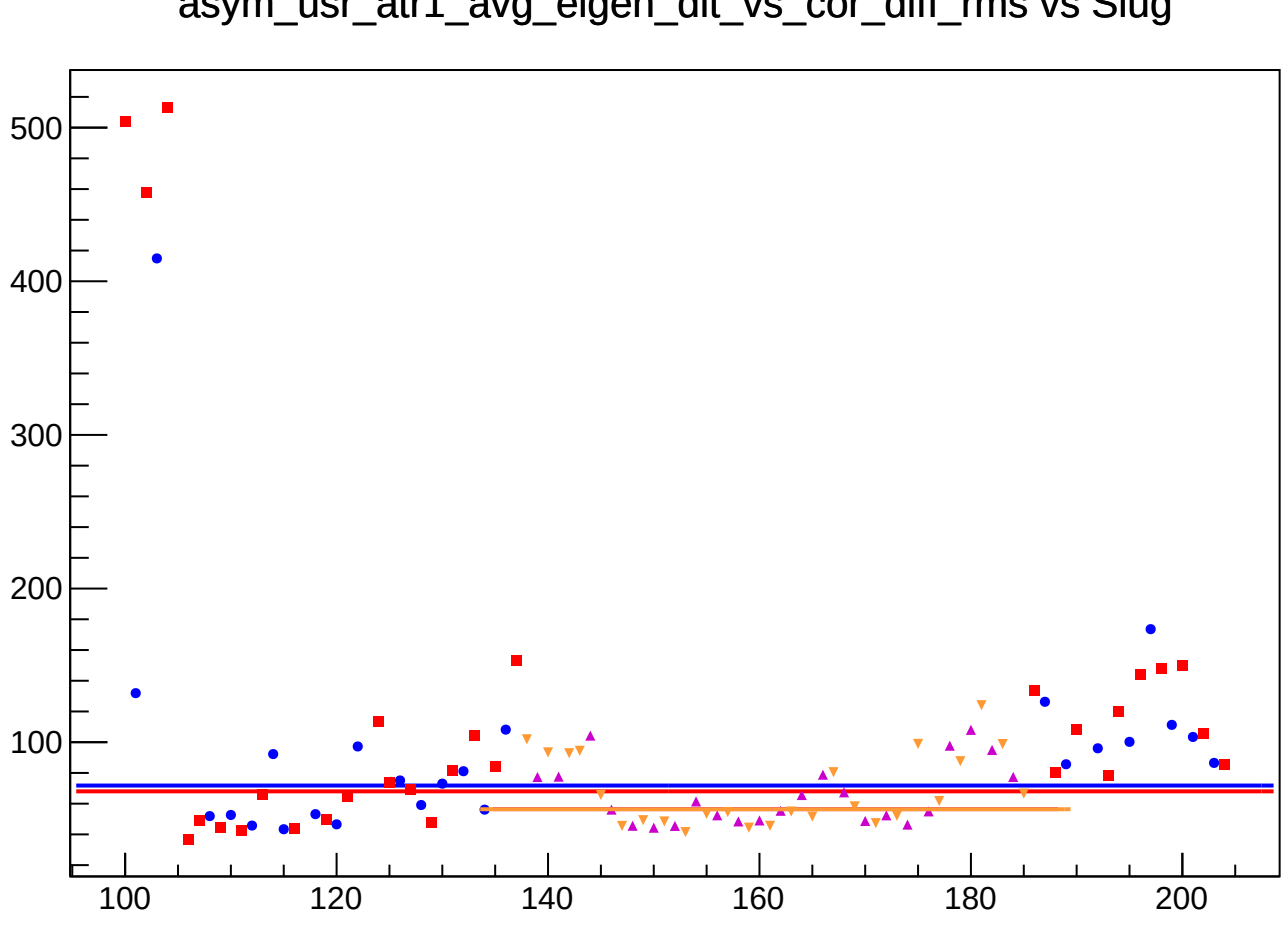
Right Out: 0.026+/-0.021 χ^2/NDF: 37.9/28

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.008+/-0.012 χ^2/NDF: 44.5/48

All: 0.007+/-0.009 χ^2/NDF: 115.8/100

- sign 0.020+/-0.012 χ^2/NDF: 68.6/51



Right In: 71.795+/-0.016 χ^2/NDF: 3369030.6/23

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

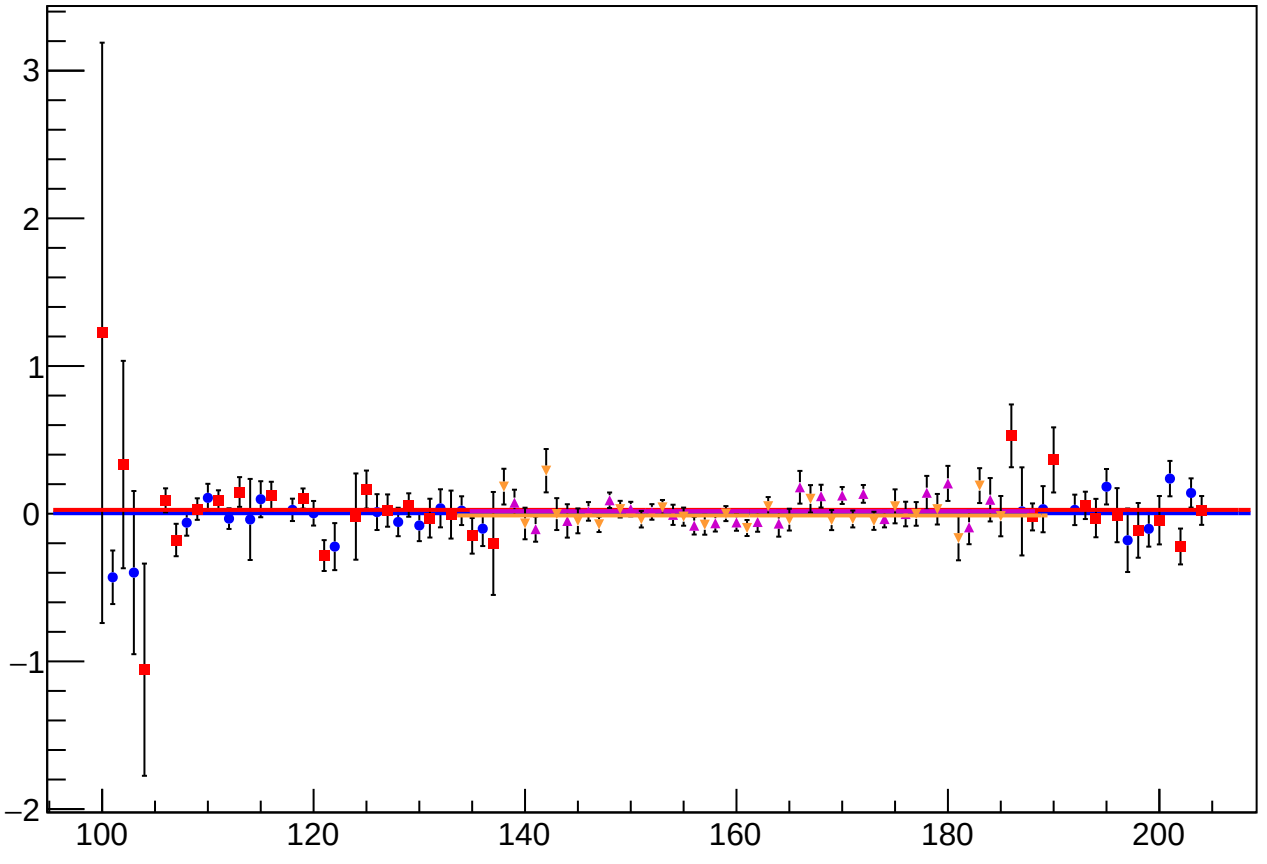
Right Out: 68.016+/-0.015 χ^2/NDF: 5187572.7/28

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.689+/-0.009 χ^2/NDF: 6815783.2/48

All: 60.432+/-0.006 χ^2/NDF: 14554354.8/100

- sign 60.185+/-0.008 χ^2/NDF: 7736813.9/51



Right In: 0.003+/-0.023 χ^2/NDF: 22.4/23

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

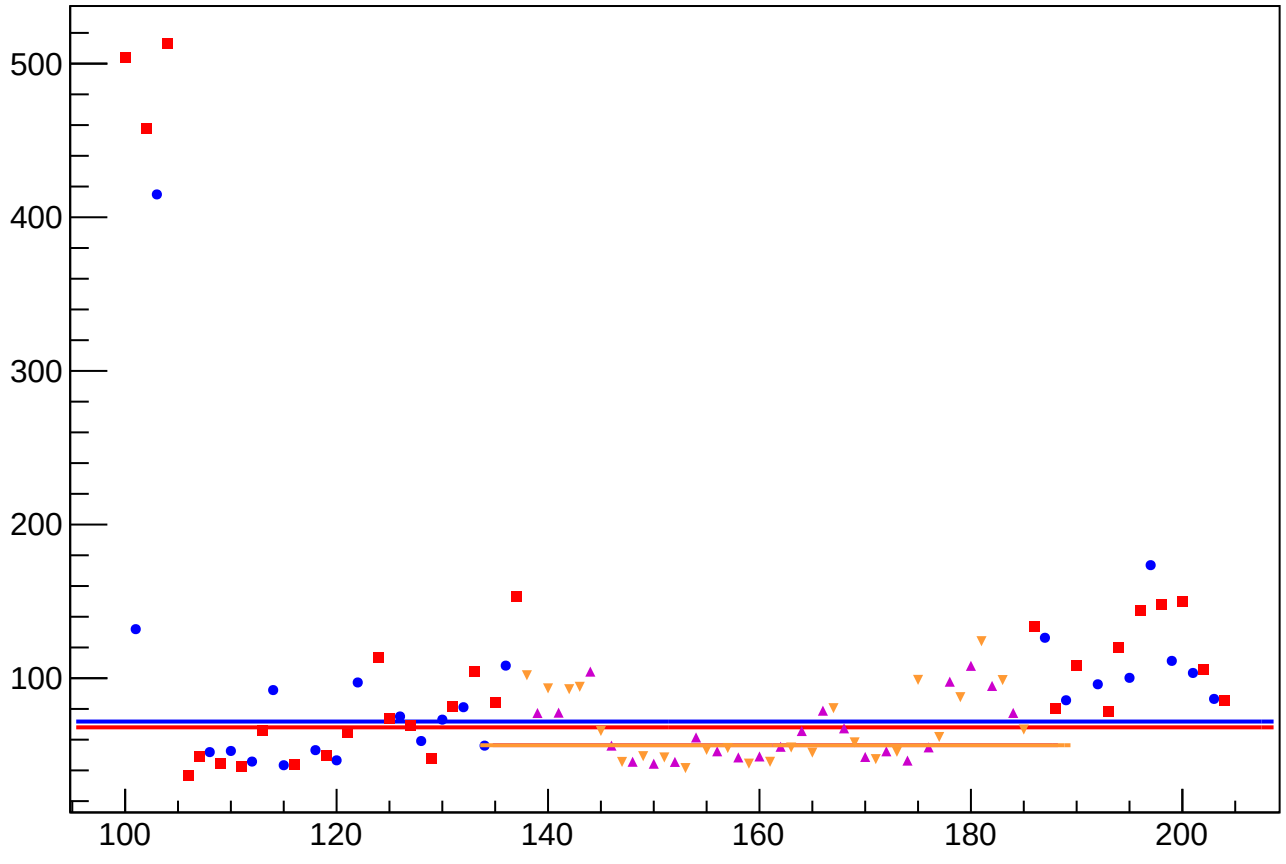
Right Out: 0.026+/-0.021 χ^2/NDF: 37.9/28

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.008+/-0.012 χ^2/NDF: 44.5/48

All: 0.007+/-0.009 χ^2/NDF: 115.8/100

- sign 0.020+/-0.012 χ^2/NDF: 68.6/51



Right In: 71.795+/-0.016 χ^2/NDF: 3369030.6/23

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

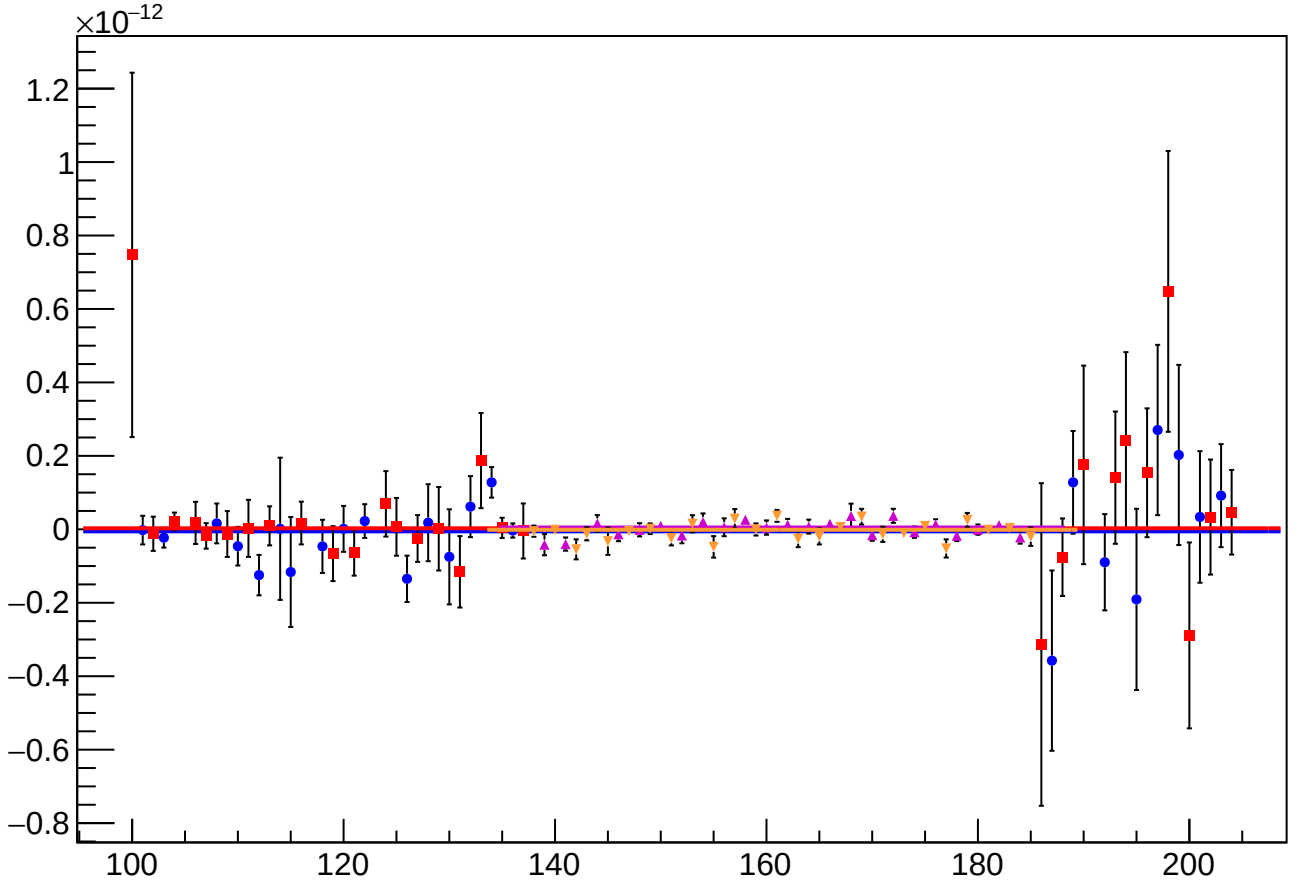
Right Out: 68.016+/-0.015 χ^2/NDF: 5187572.7/28

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.689+/-0.009 χ^2/NDF: 6815783.2/48

All: 60.432+/-0.006 χ^2/NDF: 14554354.8/100

- sign 60.185+/-0.008 χ^2/NDF: 7736813.9/51



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

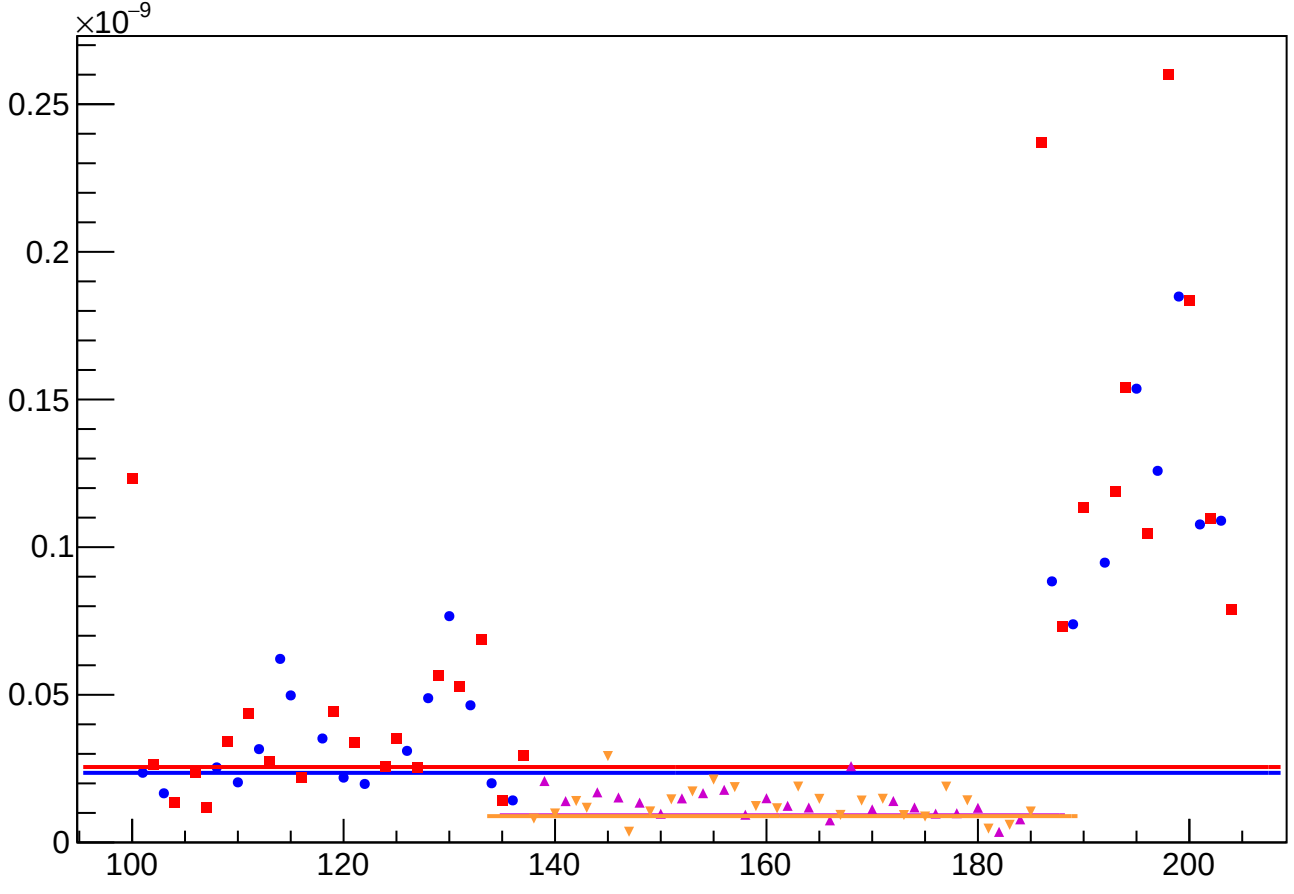
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/28

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.0/48

All: 0.000+/-0.000 χ^2/NDF: 107.6/100

- sign 0.000+/-0.000 χ^2/NDF: 46.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 5482115.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7237412.3/28

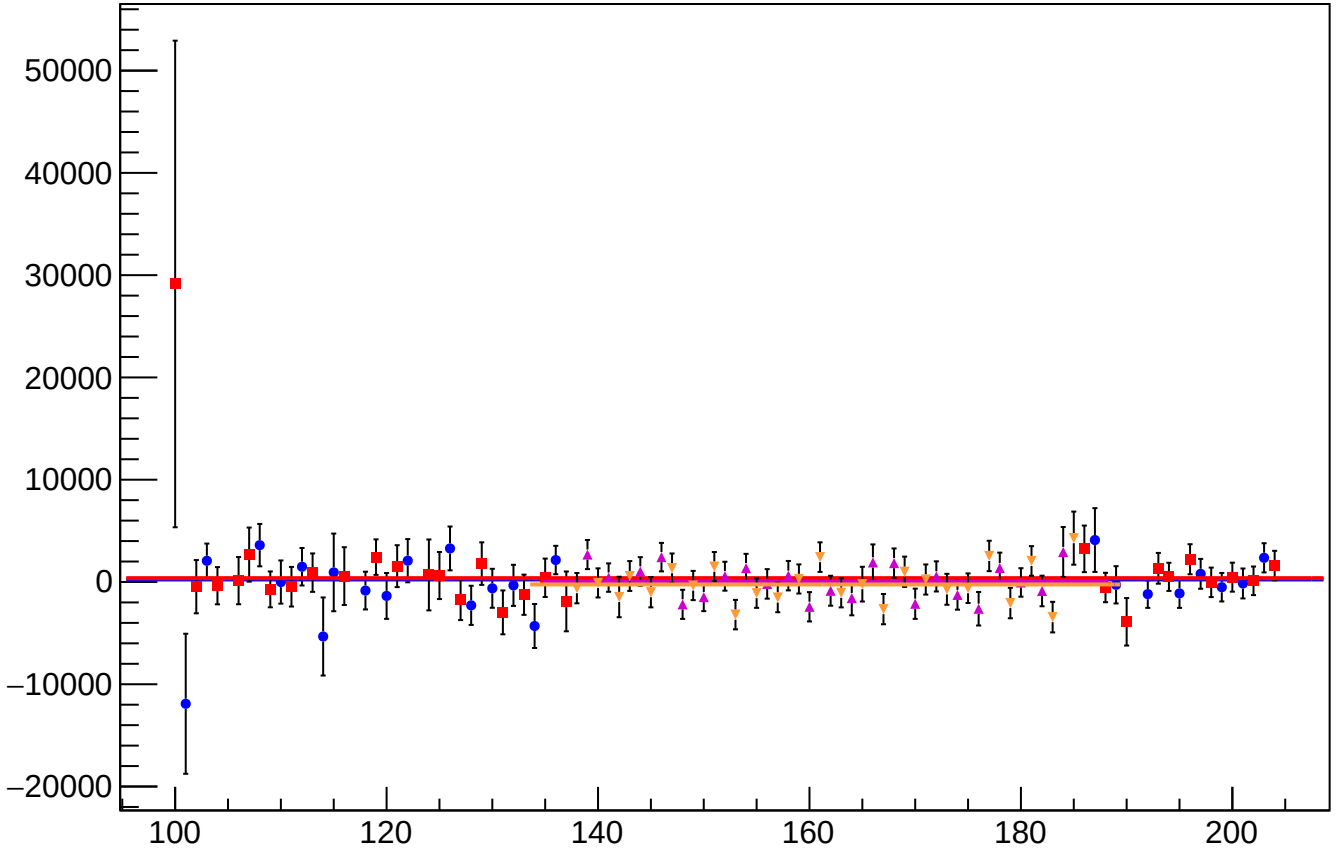
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13794385.8/48

All: 0.000+/-0.000 χ^2/NDF: 29834711.4/100

- sign 0.000+/-0.000 χ^2/NDF: 16025685.5/51

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 245.953+/-374.543 χ^2/NDF: 28.0/23

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 373.919+/-348.050 χ^2/NDF: 18.4/28

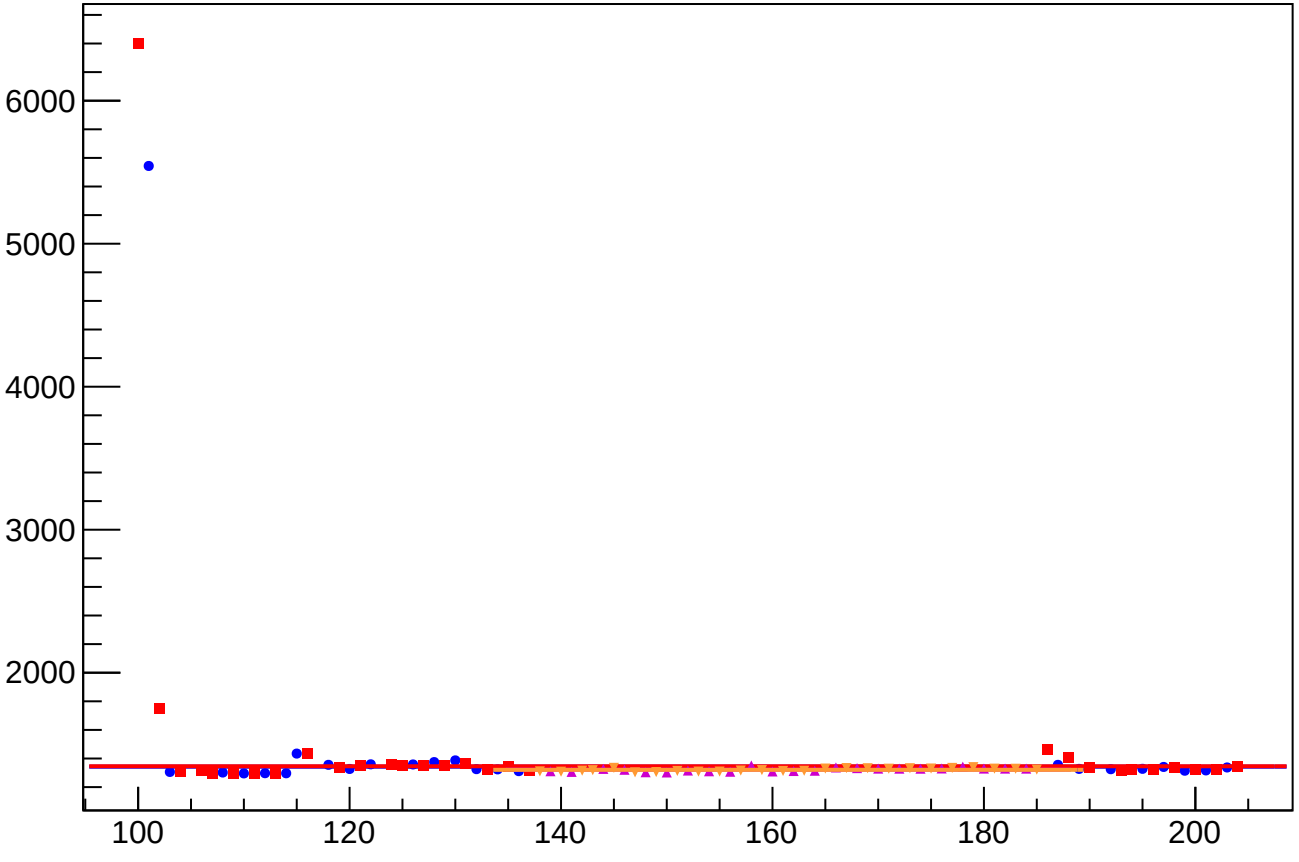
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -50.604+/-234.153 χ^2/NDF: 60.7/48

All: 69.594+/-164.415 χ^2/NDF: 107.3/100

- sign 186.490+/-230.916 χ^2/NDF: 46.1/51

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1342.820+/-0.265 χ^2/NDF: 763861.4/23

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1345.809+/-0.246 χ^2/NDF: 159209.3/28

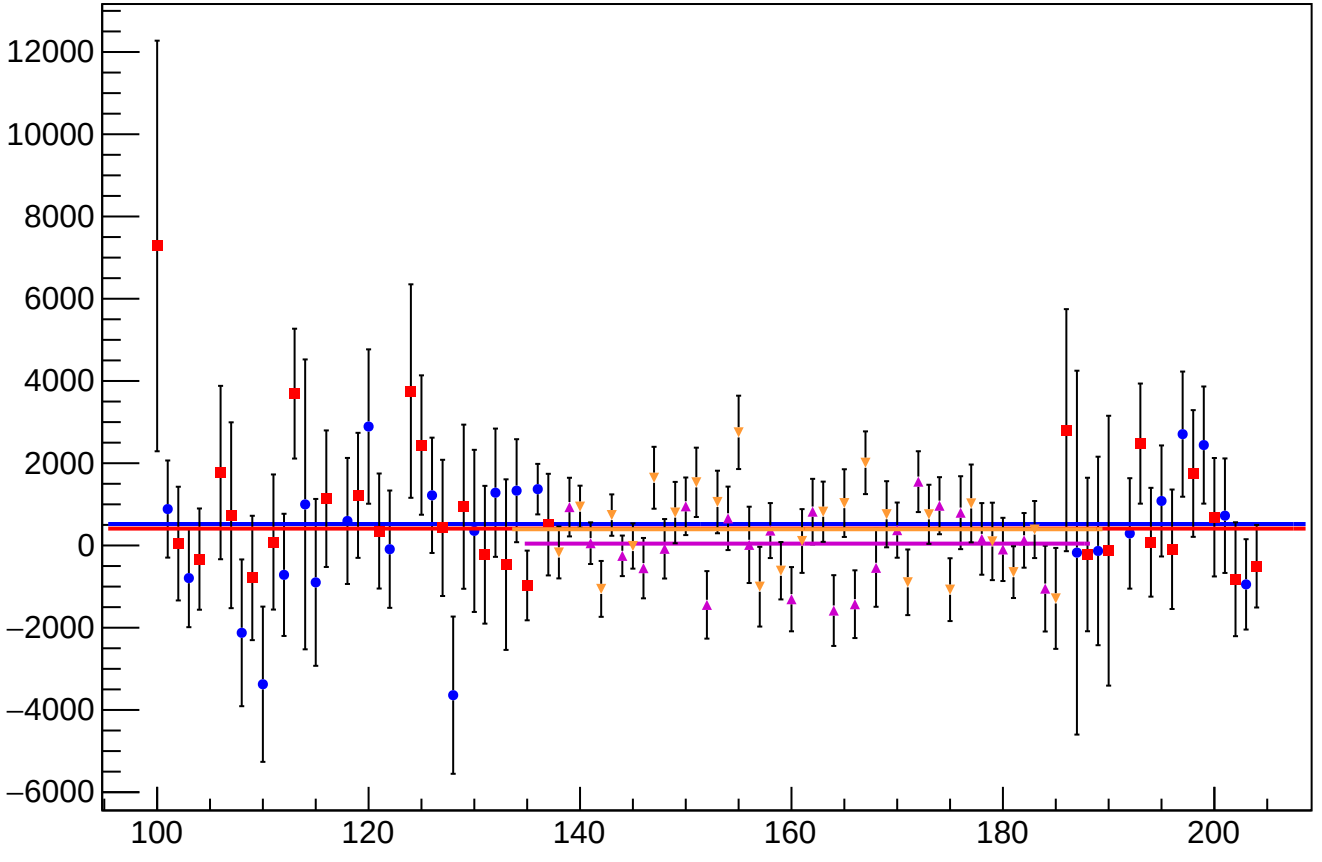
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.370+/-0.166 χ^2/NDF: 770697.7/48

All: 1330.885+/-0.116 χ^2/NDF: 938961.0/100

- sign 1332.358+/-0.163 χ^2/NDF: 168098.1/51

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 521.809+/-284.637 χ^2/NDF: 24.3/23

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 410.672+/-284.718 χ^2/NDF: 19.8/28

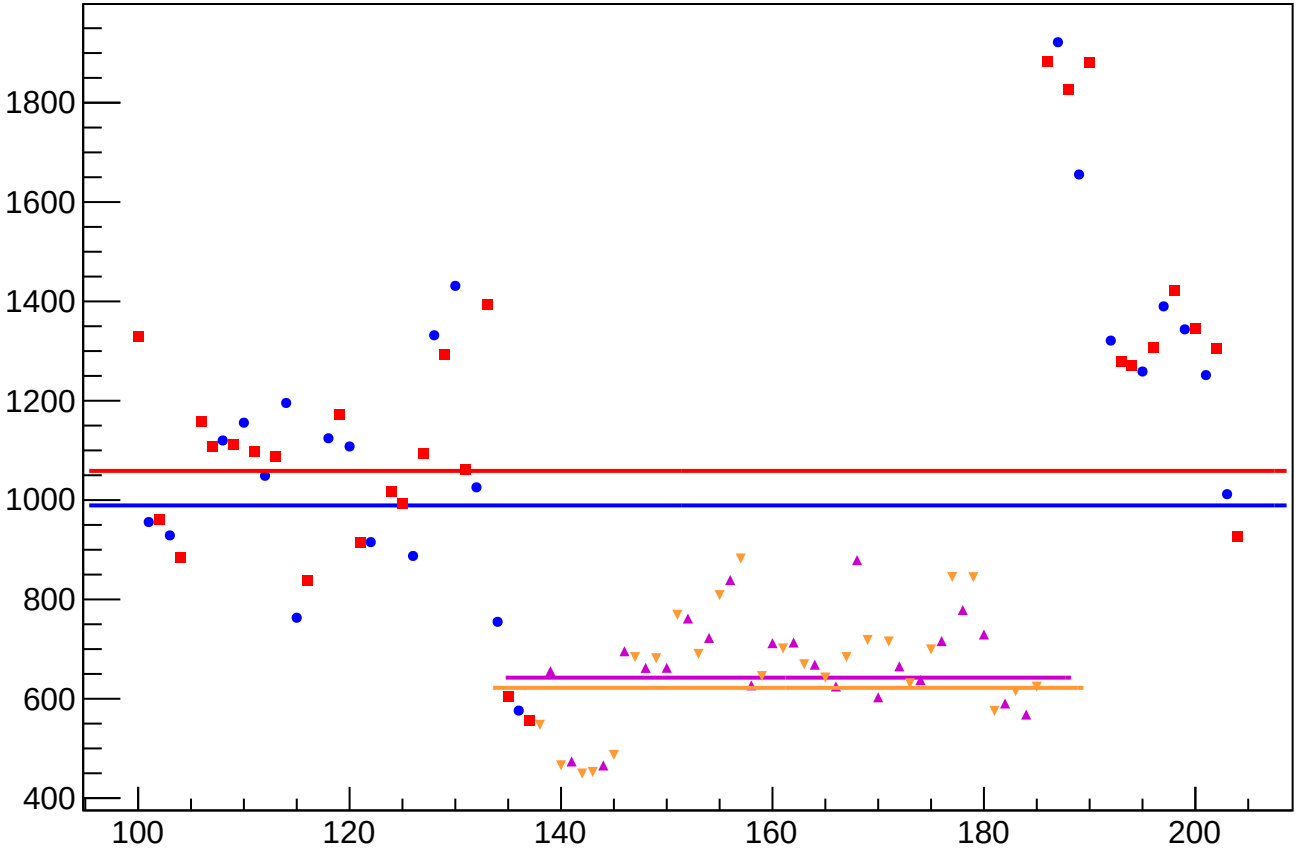
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 420.644+/-128.891 χ^2/NDF: 66.3/48

All: 279.492+/-92.999 χ^2/NDF: 117.5/100

- sign 126.207+/-134.316 χ^2/NDF: 48.7/51

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 989.236+/-0.201 χ^2/NDF: 2041957.9/23

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1058.781+/-0.201 χ^2/NDF: 2188705.2/28

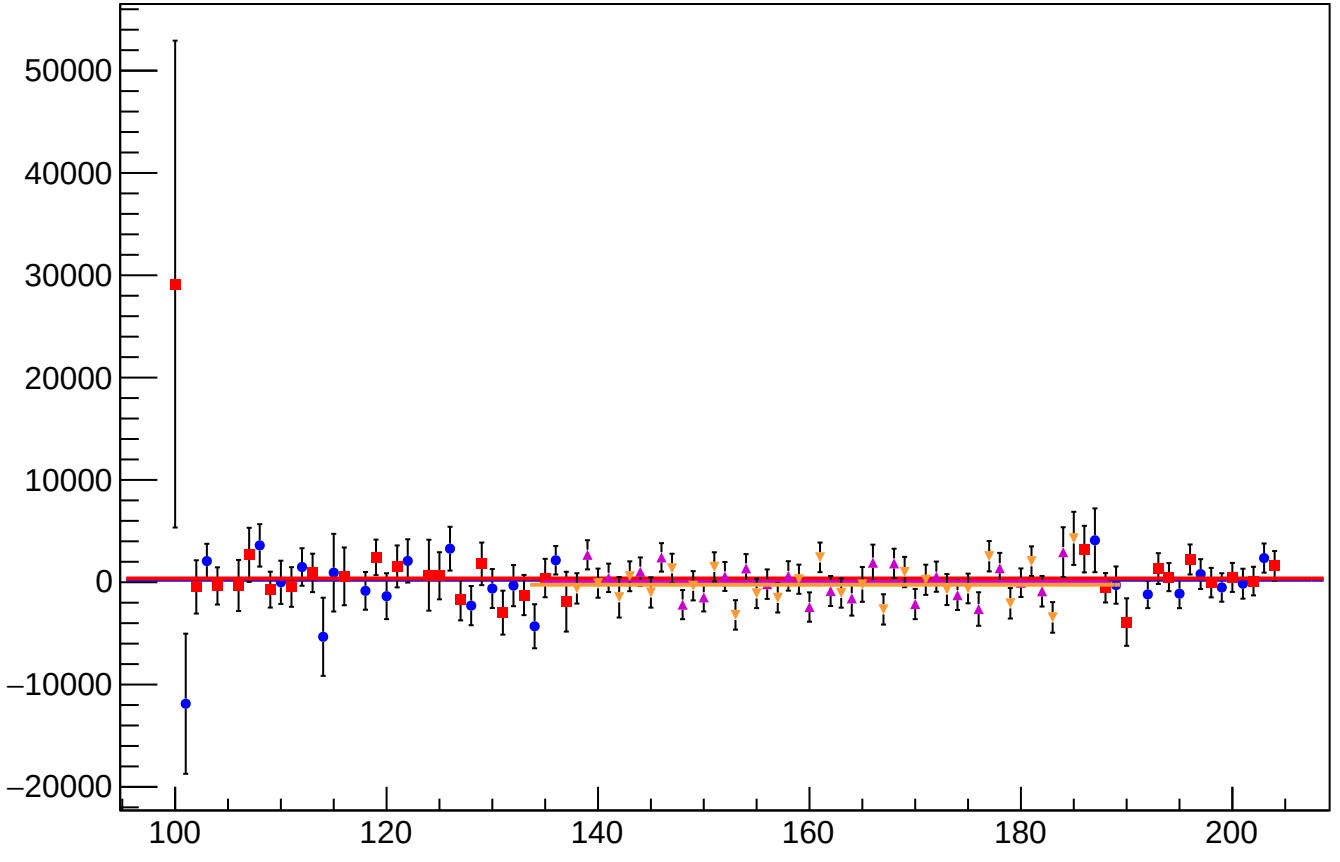
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 697.263+/-0.091 χ^2/NDF: 6072671.8/48

All: 715.412+/-0.066 χ^2/NDF: 12594785.0/10

- sign 735.120+/-0.095 χ^2/NDF: 6439397.2/51

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 246.059+/-374.543 χ^2/NDF: 27.9/23

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 366.202+/-348.622 χ^2/NDF: 18.5/28

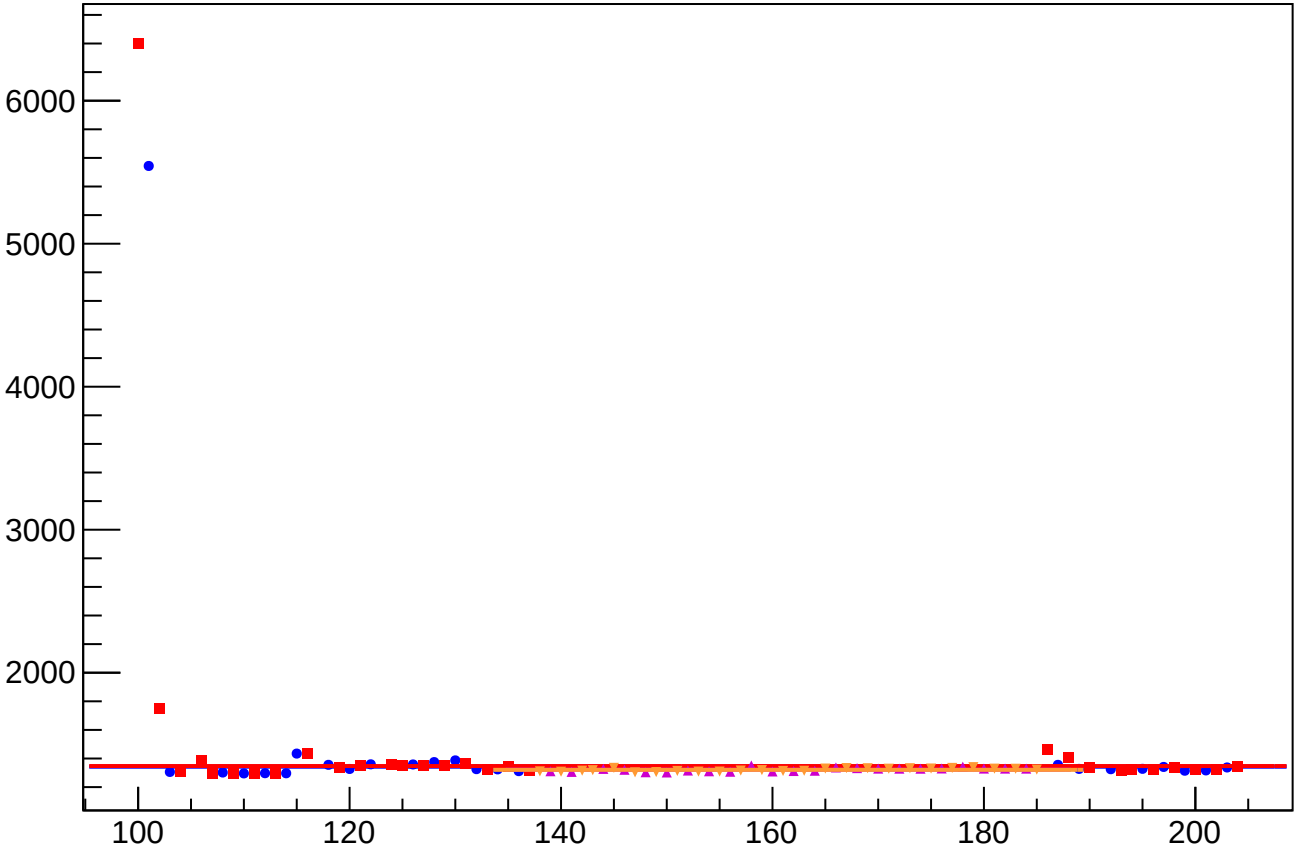
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -50.564+/-234.153 χ^2/NDF: 60.7/48

All: 67.693+/-164.475 χ^2/NDF: 107.3/100

- sign 182.869+/-231.082 χ^2/NDF: 46.1/51

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1342.820+/-0.265 χ^2/NDF: 763860.4/23

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1347.294+/-0.247 χ^2/NDF: 159465.7/28

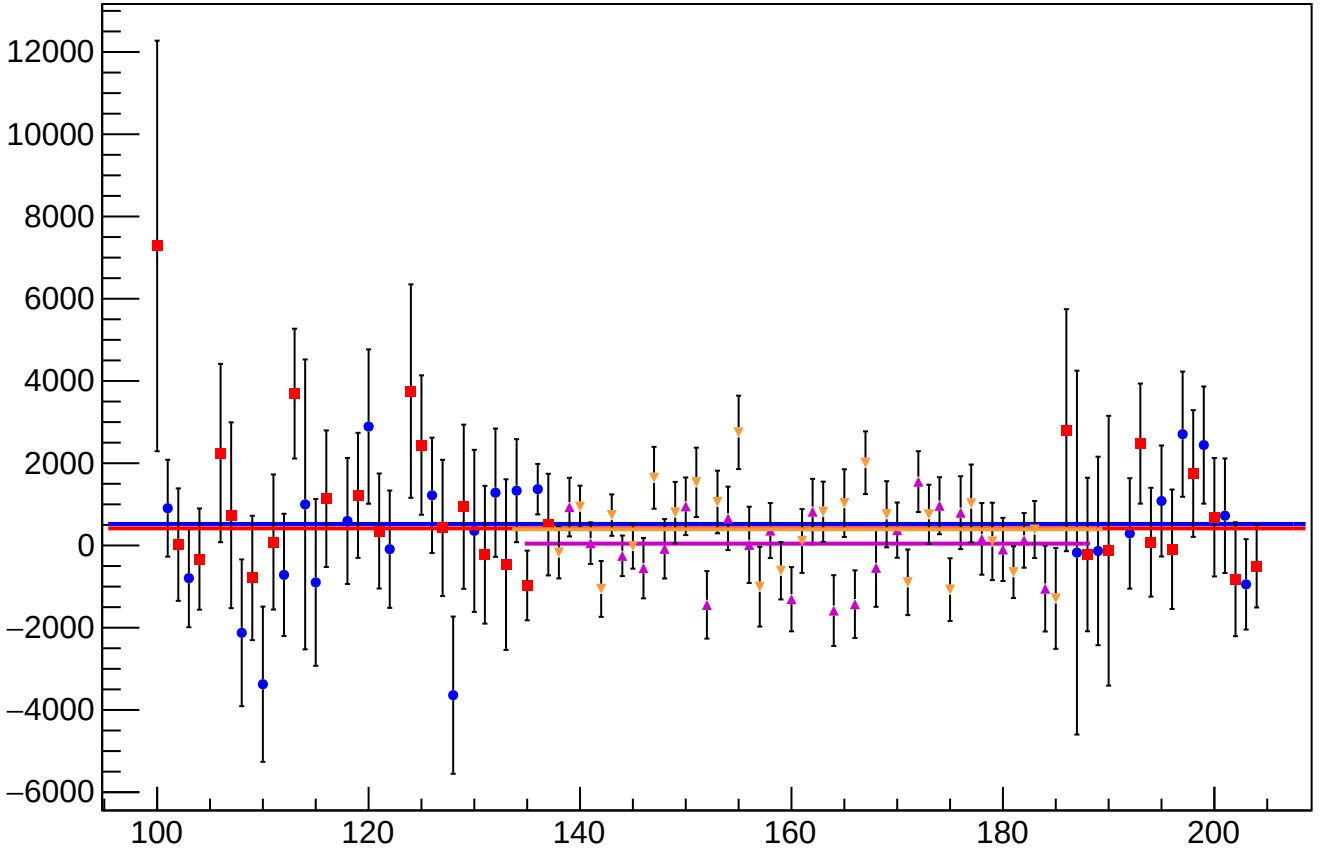
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.370+/-0.166 χ^2/NDF: 770696.7/48

All: 1331.204+/-0.116 χ^2/NDF: 939962.3/100

- sign 1332.991+/-0.163 χ^2/NDF: 169023.2/51

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 523.052+/-284.604 χ^2/NDF: 24.3/23

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 416.109+/-284.720 χ^2/NDF: 20.1/28

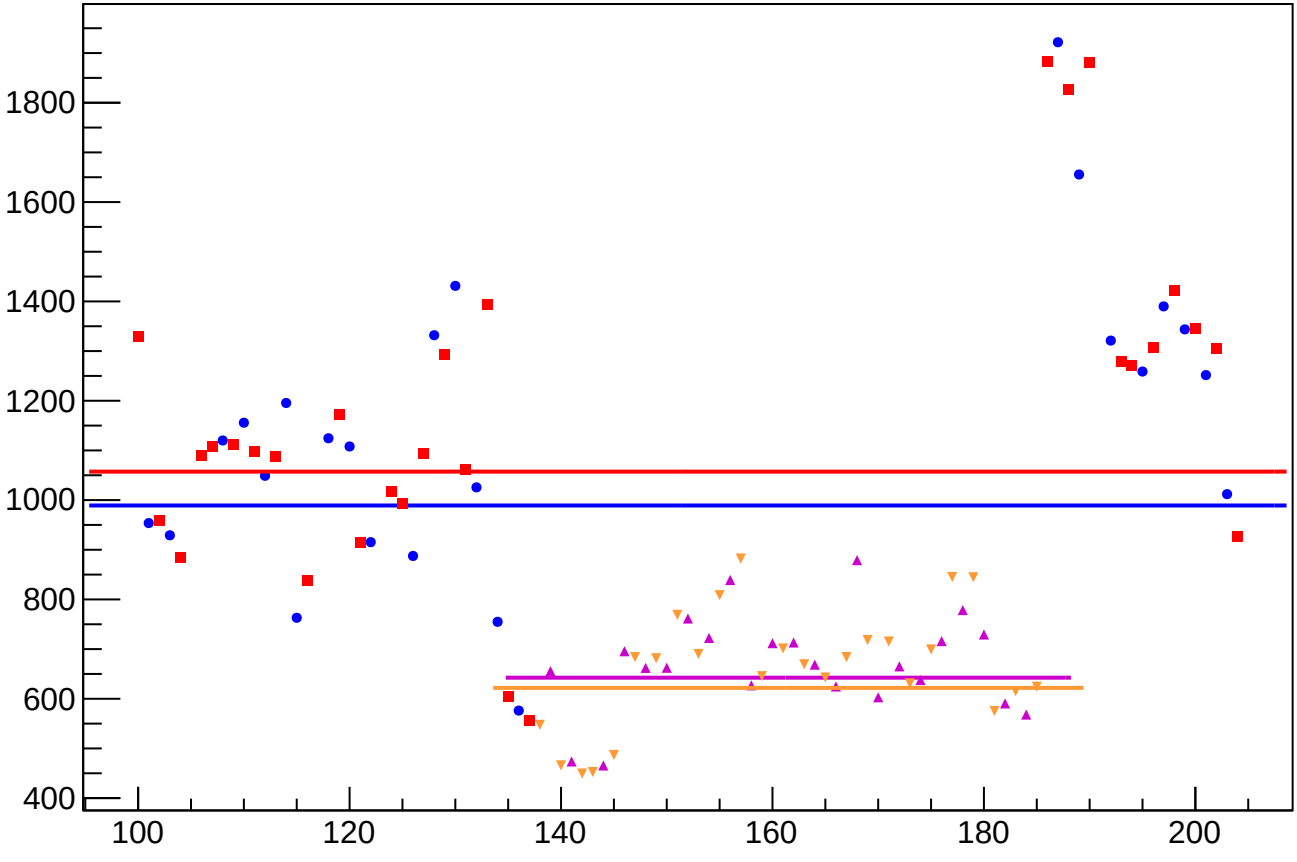
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 420.882+/-128.888 χ^2/NDF: 66.3/48

All: 280.194+/-92.997 χ^2/NDF: 117.8/100

- sign 127.407+/-134.316 χ^2/NDF: 49.0/51

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 989.120+/-0.201 χ^2/NDF: 2042087.8/23

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1057.353+/-0.201 χ^2/NDF: 2185280.3/28

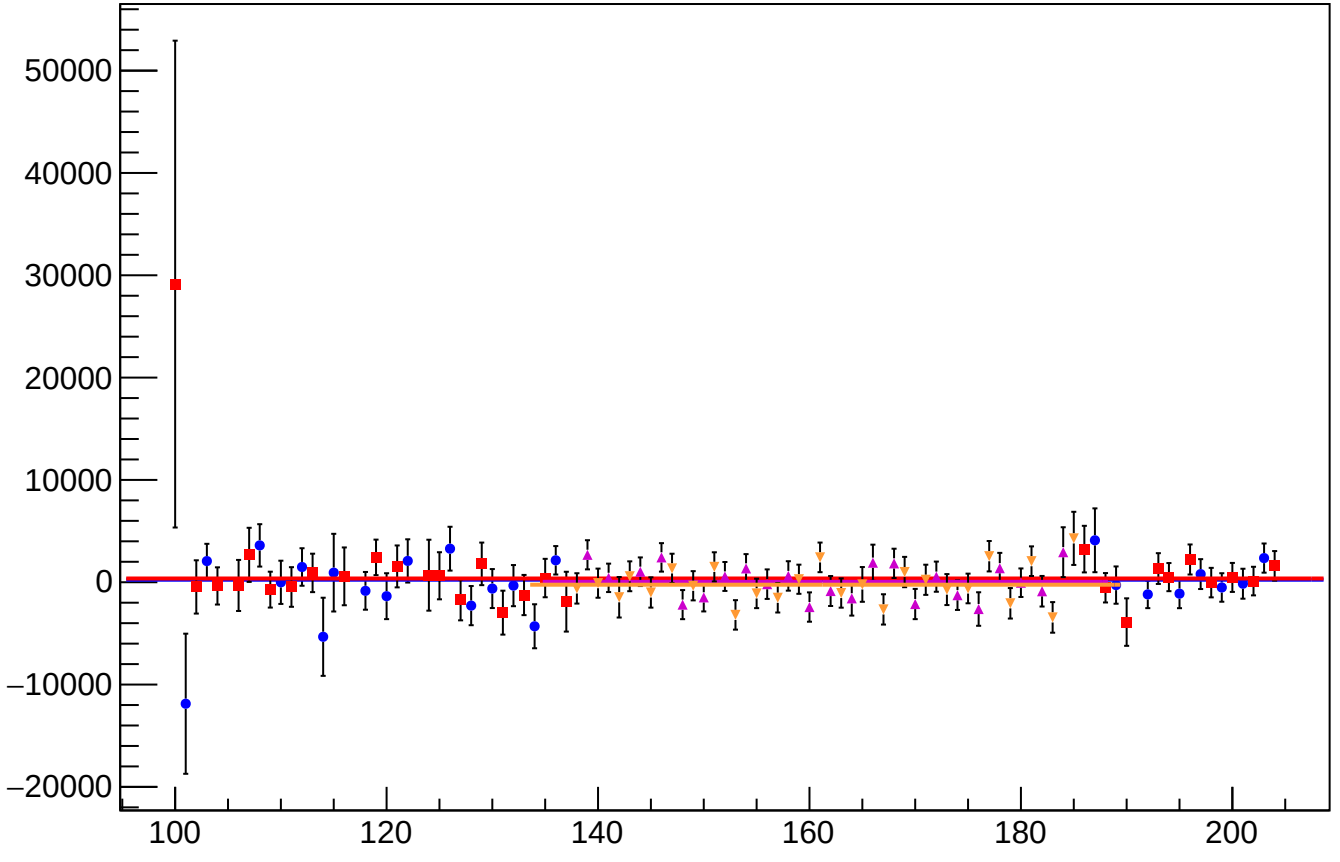
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 697.253+/-0.091 χ^2/NDF: 6071530.9/48

All: 715.251+/-0.066 χ^2/NDF: 12566178.1/10

- sign 734.797+/-0.095 χ^2/NDF: 6413295.0/51

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 246.059+/-374.543 χ^2/NDF: 27.9/23

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 366.202+/-348.622 χ^2/NDF: 18.5/28

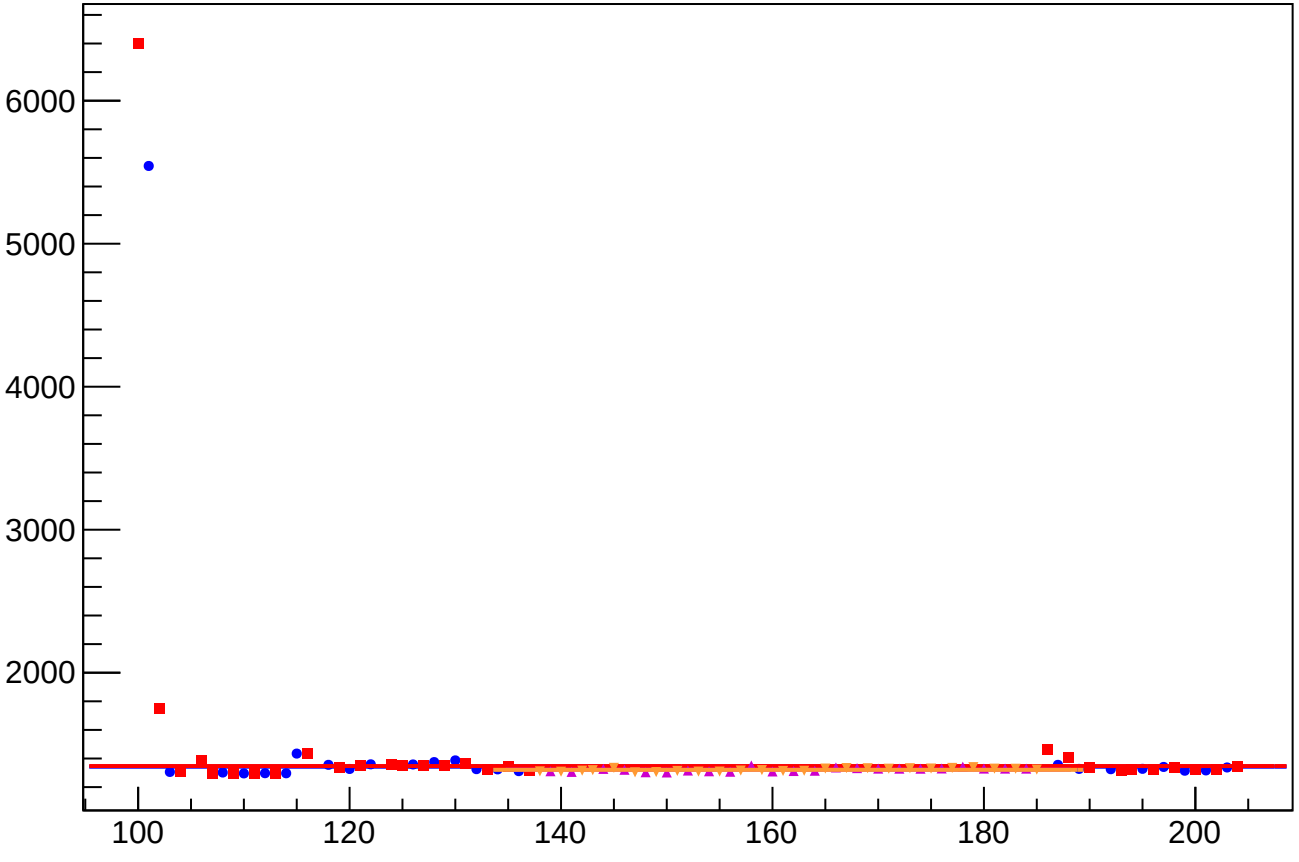
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -50.564+/-234.153 χ^2/NDF: 60.7/48

All: 67.693+/-164.475 χ^2/NDF: 107.3/100

- sign 182.869+/-231.082 χ^2/NDF: 46.1/51

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1342.820+/-0.265 χ^2/NDF: 763860.4/23

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1347.294+/-0.247 χ^2/NDF: 159465.7/28

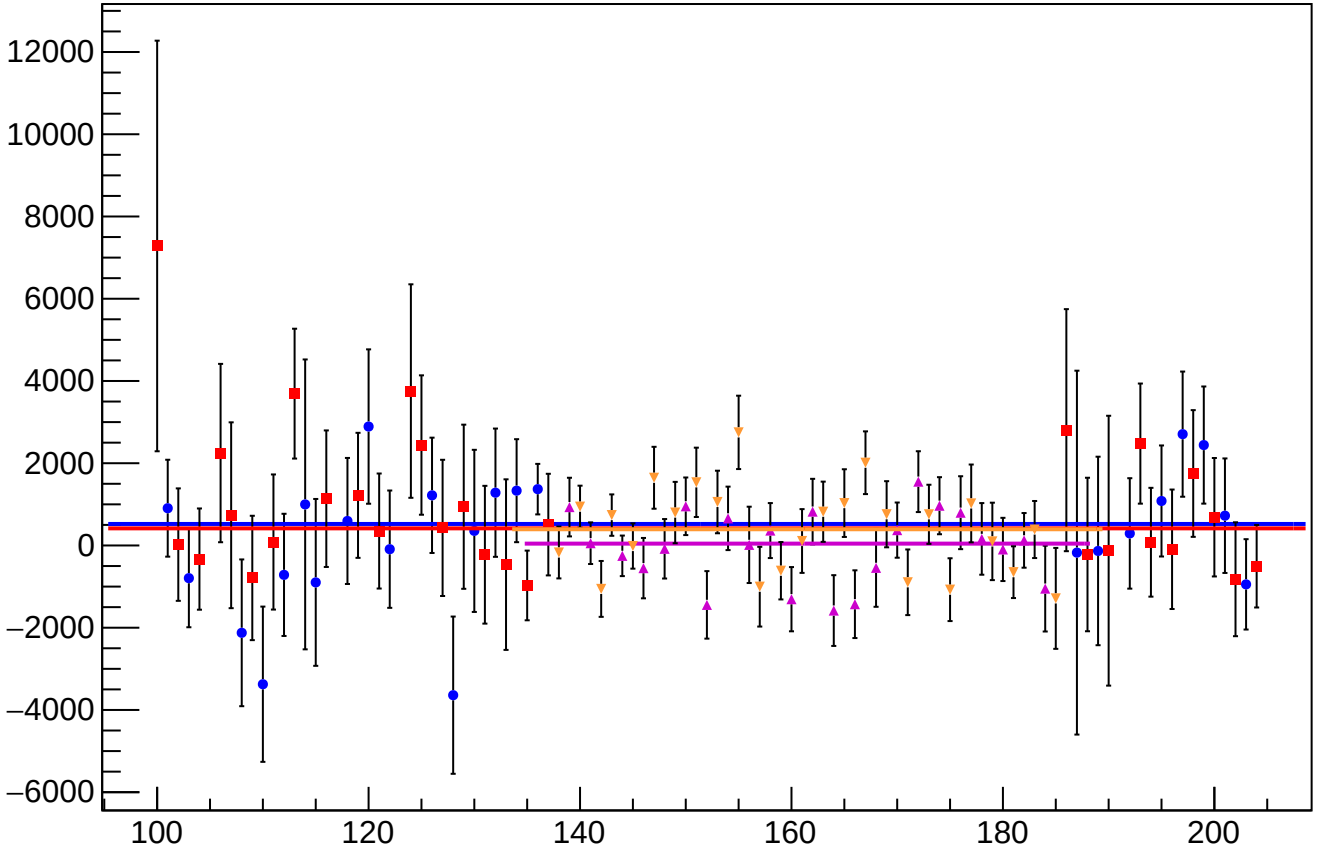
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.370+/-0.166 χ^2/NDF: 770696.7/48

All: 1331.204+/-0.116 χ^2/NDF: 939962.3/100

- sign 1332.991+/-0.163 χ^2/NDF: 169023.2/51

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug



Right In: 523.052+/-284.604 χ^2/NDF: 24.3/23

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 416.109+/-284.720 χ^2/NDF: 20.1/28

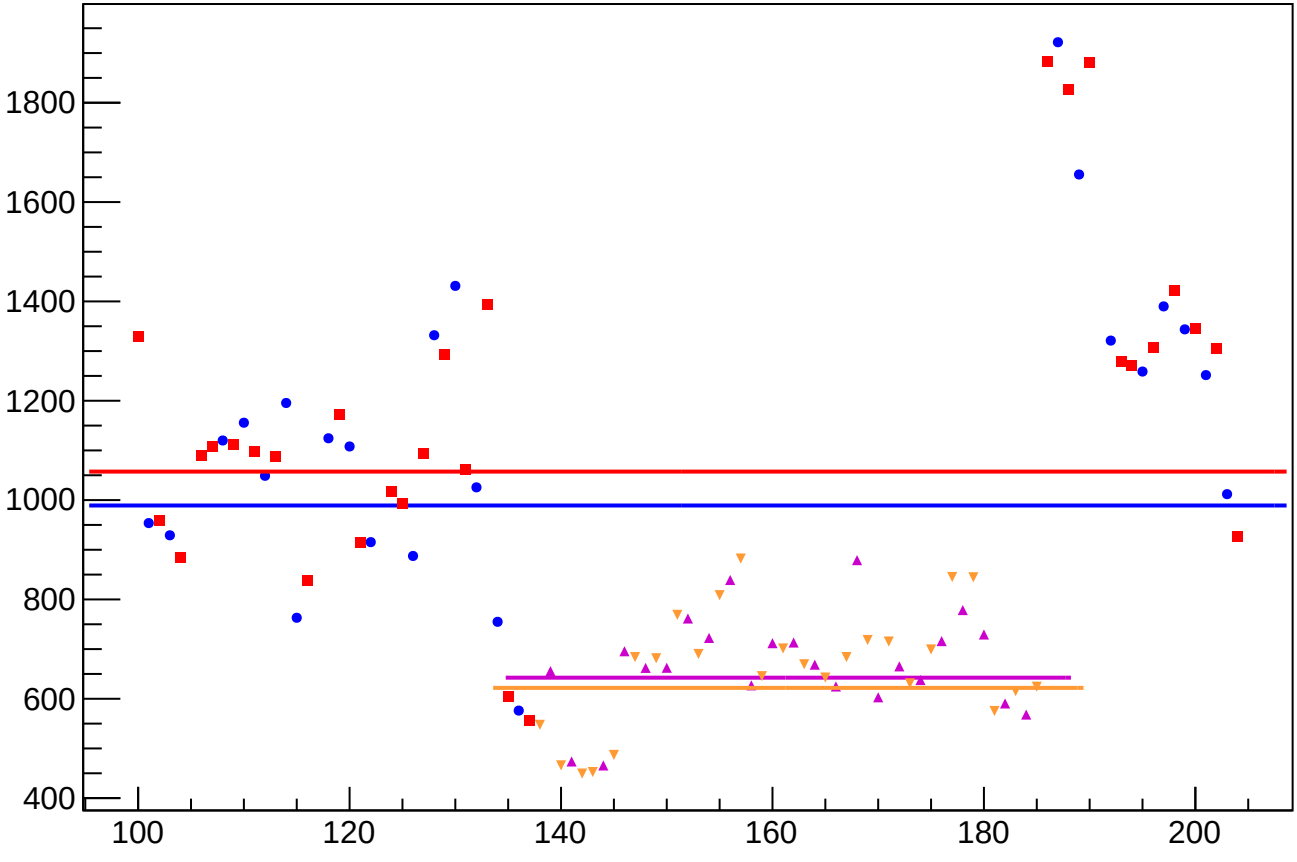
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 420.882+/-128.888 χ^2/NDF: 66.3/48

All: 280.194+/-92.997 χ^2/NDF: 117.8/100

- sign 127.407+/-134.316 χ^2/NDF: 49.0/51

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug



Right In: 989.120+/-0.201 χ^2/NDF: 2042087.8/23

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1057.353+/-0.201 χ^2/NDF: 2185280.3/28

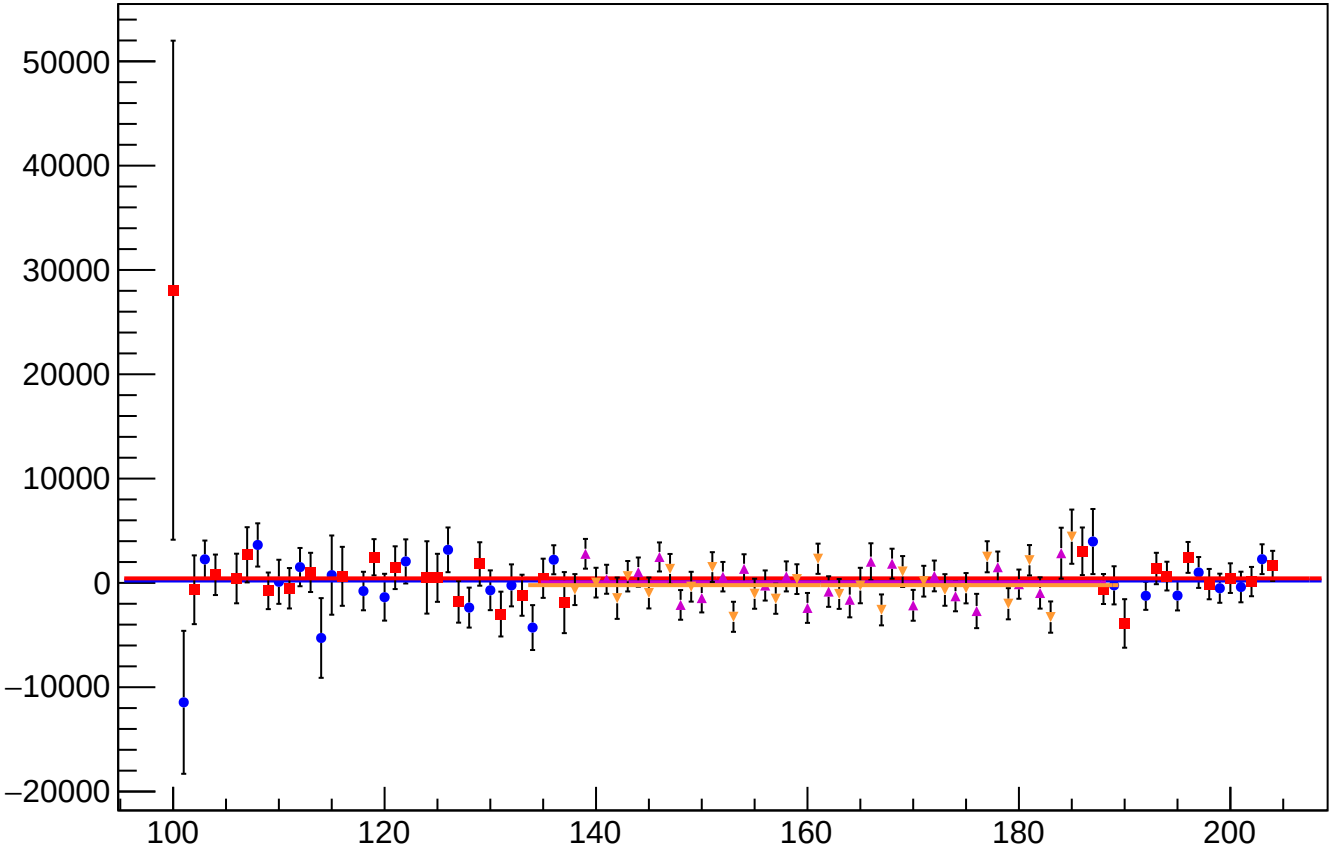
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 697.253+/-0.091 χ^2/NDF: 6071530.9/48

All: 715.251+/-0.066 χ^2/NDF: 12566178.1/10

- sign 734.797+/-0.095 χ^2/NDF: 6413295.0/51

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 228.975+/-376.512 χ^2/NDF: 28.0/23

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 432.607+/-351.025 χ^2/NDF: 18.5/28

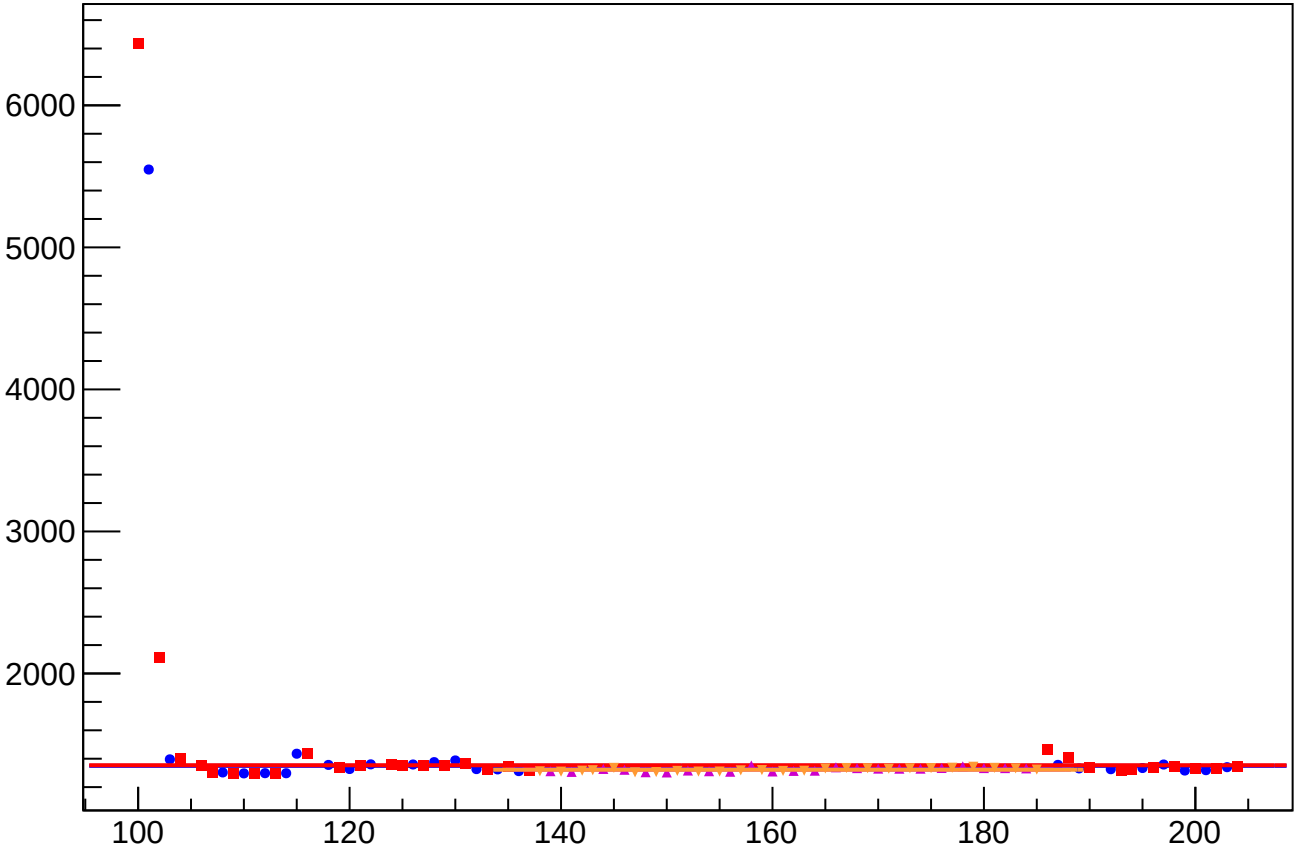
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -42.345+/-234.809 χ^2/NDF: 60.1/48

All: 89.012+/-165.009 χ^2/NDF: 107.8/100

- sign 217.170+/-231.932 χ^2/NDF: 47.0/51

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1349.849+/-0.266 χ^2/NDF: 763912.7/23

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1353.978+/-0.248 χ^2/NDF: 217283.0/28

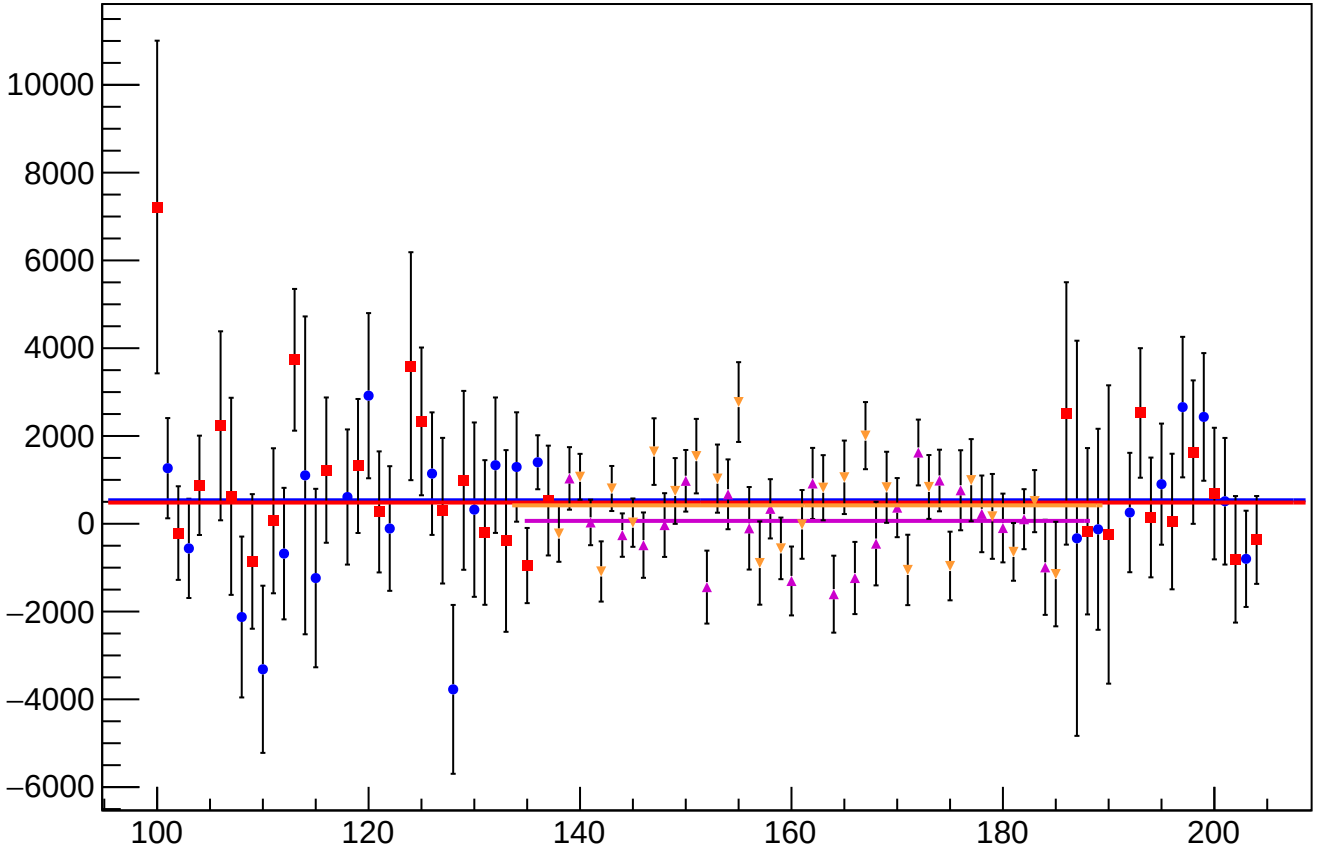
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.056+/-0.166 χ^2/NDF: 773354.7/48

All: 1334.908+/-0.117 χ^2/NDF: 1003325.4/10

- sign 1336.714+/-0.164 χ^2/NDF: 229725.2/51

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 534.823+/-284.998 χ^2/NDF: 23.8/23

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 483.206+/-282.402 χ^2/NDF: 20.4/28

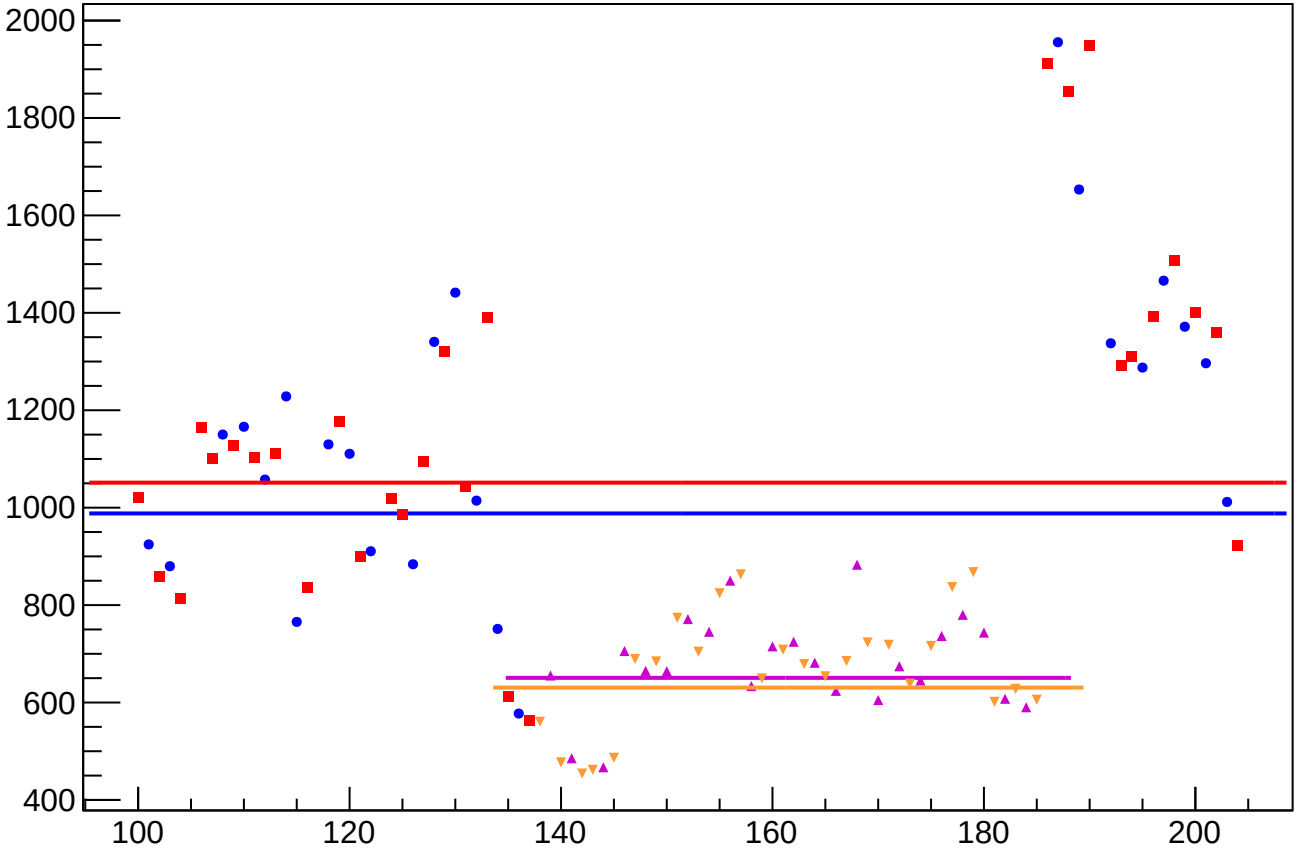
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 443.902+/-130.249 χ^2/NDF: 65.5/48

All: 308.074+/-93.853 χ^2/NDF: 116.8/100

- sign 161.386+/-135.355 χ^2/NDF: 49.1/51

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 988.173+/-0.202 χ^2/NDF: 2170504.5/23

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1051.398+/-0.200 χ^2/NDF: 2443620.5/28

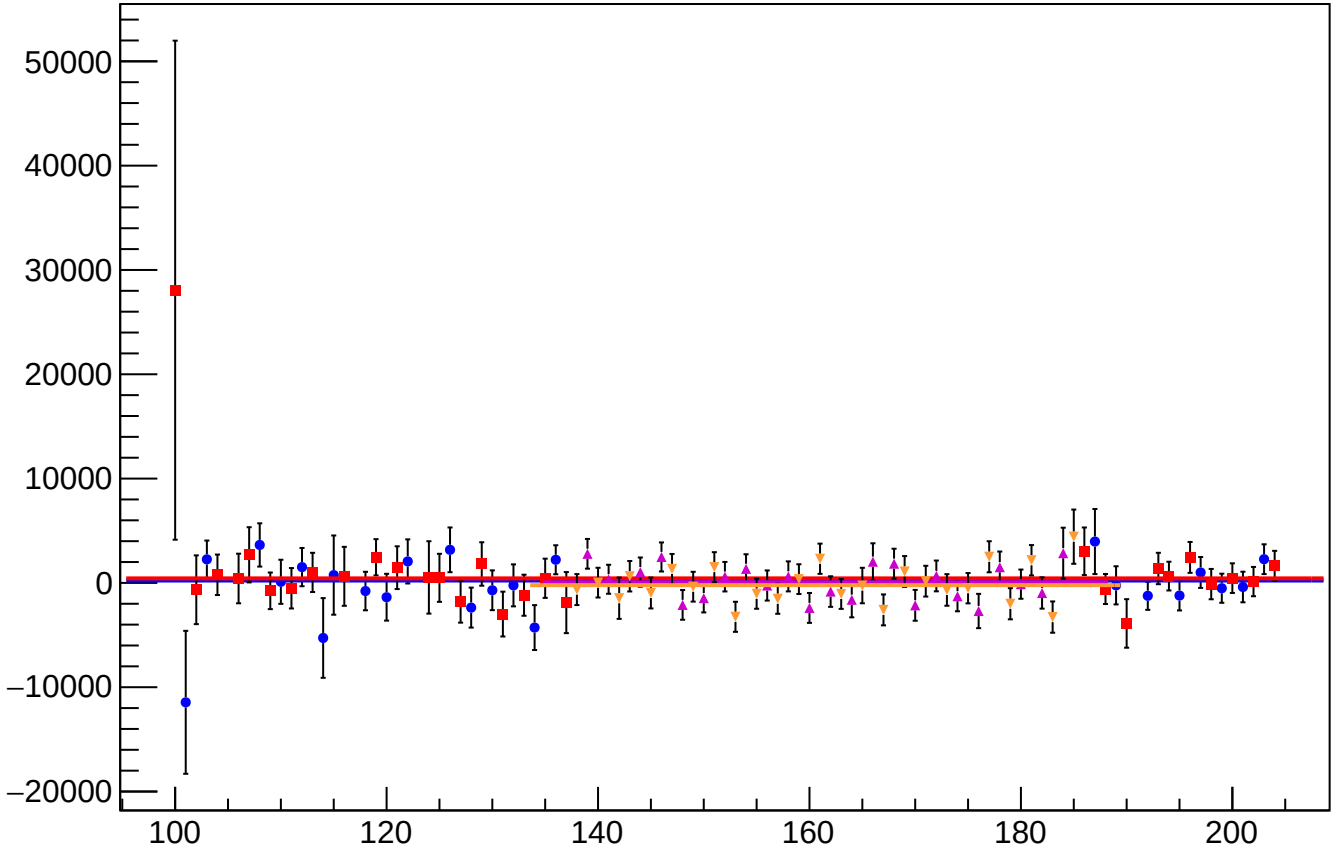
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 705.277+/-0.092 χ^2/NDF: 5989938.5/48

All: 723.271+/-0.066 χ^2/NDF: 12537508.1/10

- sign 742.703+/-0.096 χ^2/NDF: 6468179.7/51

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 228.974+/-376.512 χ^2/NDF: 28.0/23

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 432.606+/-351.025 χ^2/NDF: 18.5/28

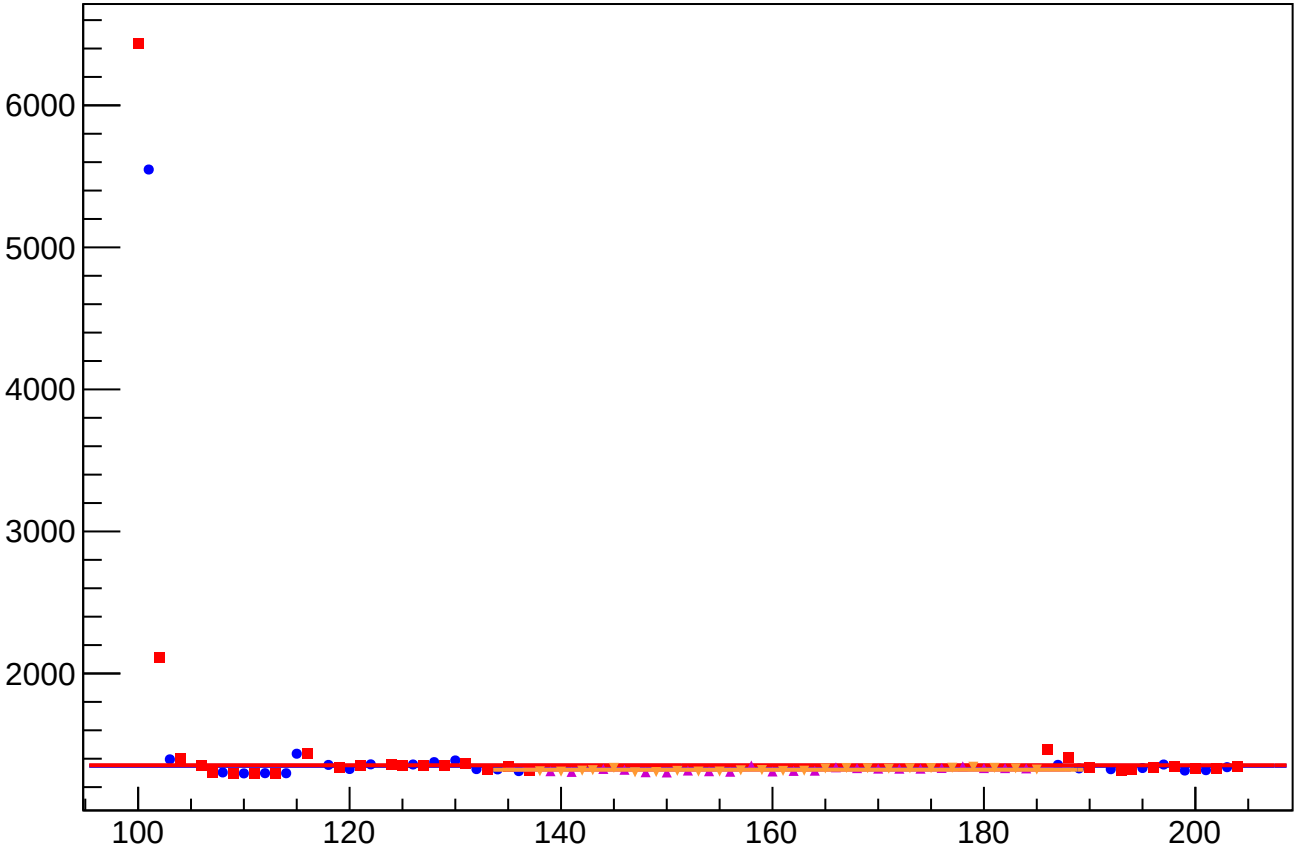
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -42.346+/-234.809 χ^2/NDF: 60.1/48

All: 89.011+/-165.009 χ^2/NDF: 107.8/100

- sign 217.170+/-231.932 χ^2/NDF: 47.0/51

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1349.849+/-0.266 χ^2/NDF: 763912.6/23

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

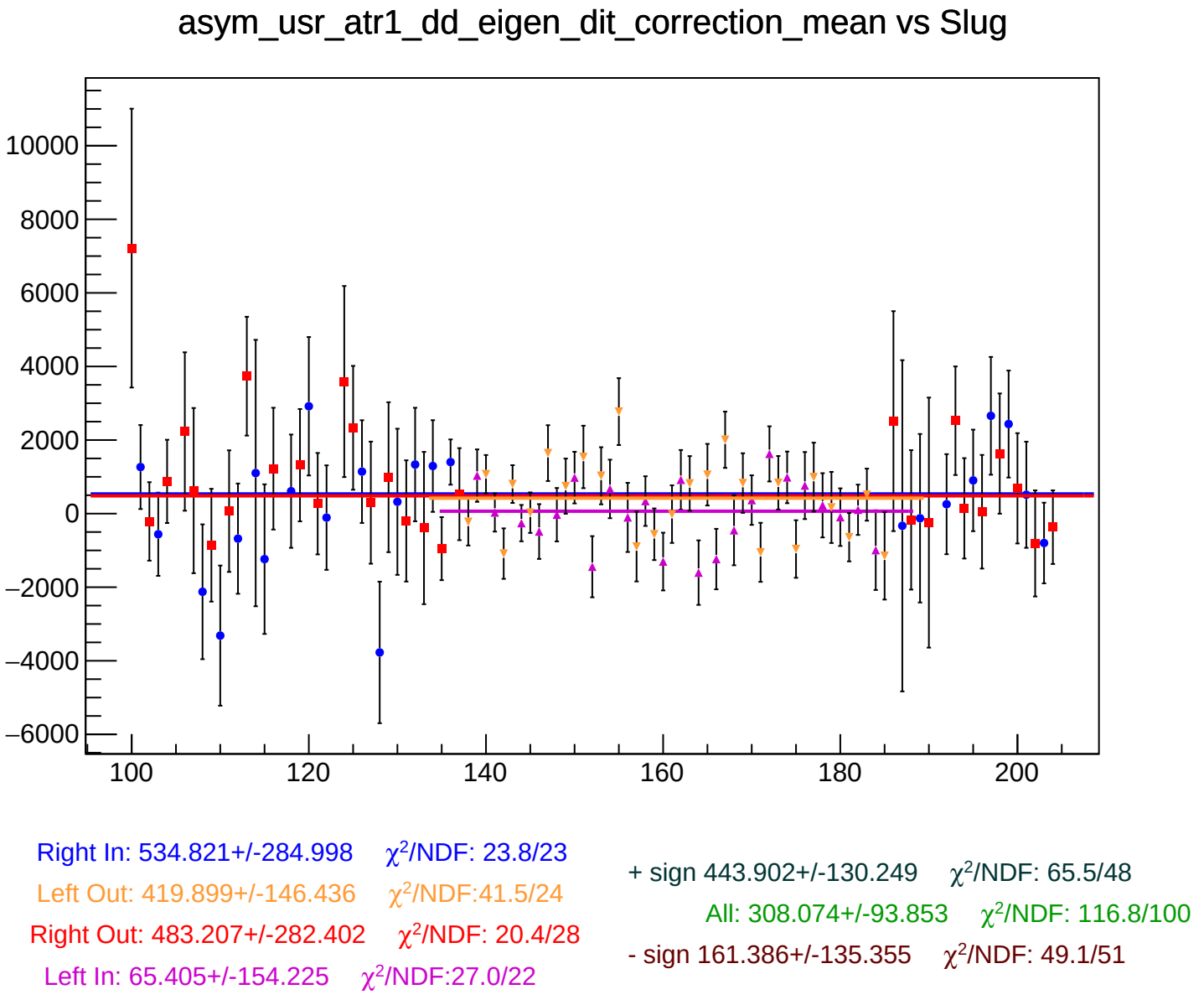
Right Out: 1353.978+/-0.248 χ^2/NDF: 217283.0/28

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

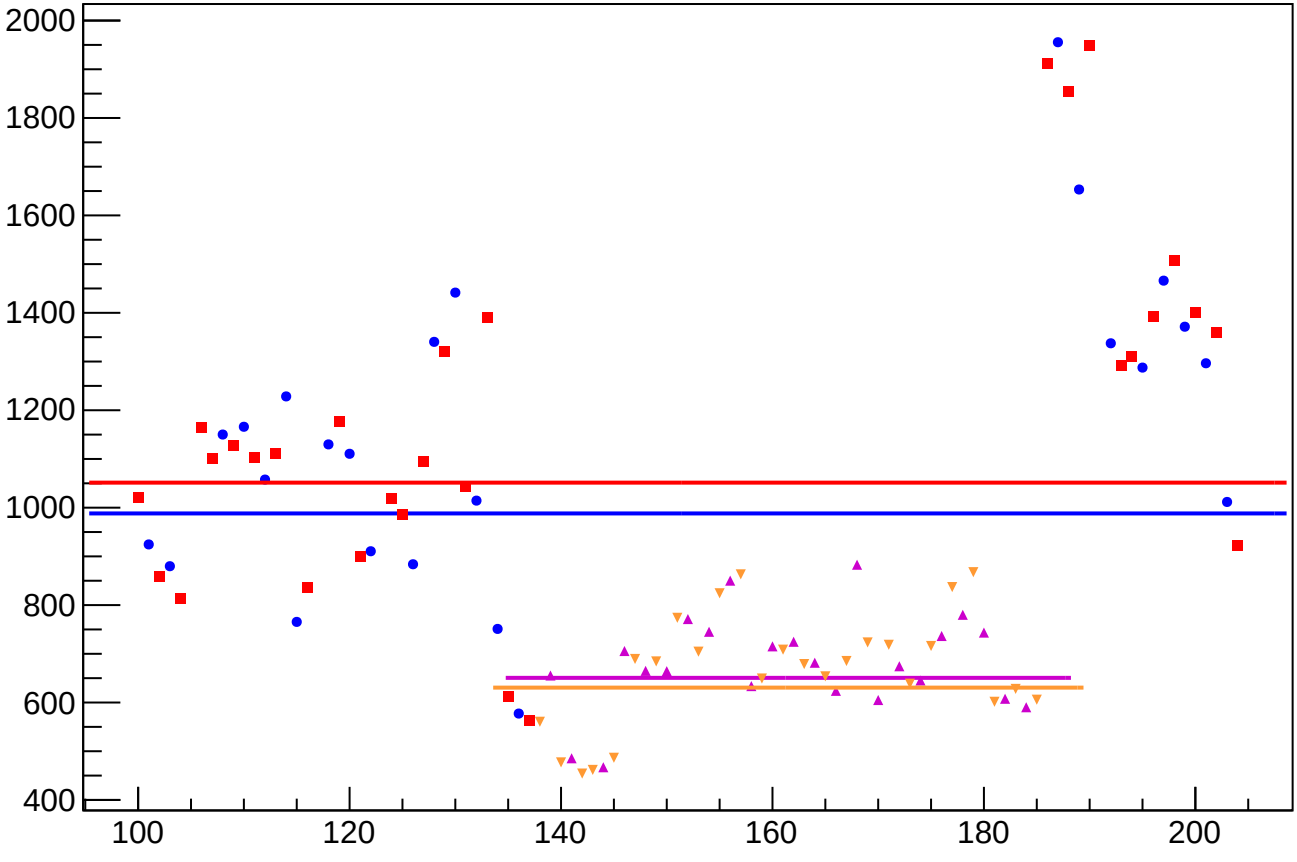
+ sign 1333.056+/-0.166 χ^2/NDF: 773354.6/48

All: 1334.908+/-0.117 χ^2/NDF: 1003325.3/10

- sign 1336.714+/-0.164 χ^2/NDF: 229725.1/51


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: 534.821+/-284.998 χ²/NDF: 23.8/23
Left Out: 419.899+/-146.436 χ²/NDF:41.5/24
Right Out: 483.207+/-282.402 χ²/NDF: 20.4/28
Left In: 65.405+/-154.225 χ²/NDF:27.0/22
+ sign 443.902+/-130.249 χ²/NDF: 65.5/48
All: 308.074+/-93.853 χ²/NDF: 116.8/100
- sign 161.386+/-135.355 χ²/NDF: 49.1/51

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 988.171+/-0.202 χ^2/NDF: 2170513.8/23

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1051.397+/-0.200 χ^2/NDF: 2443625.1/28

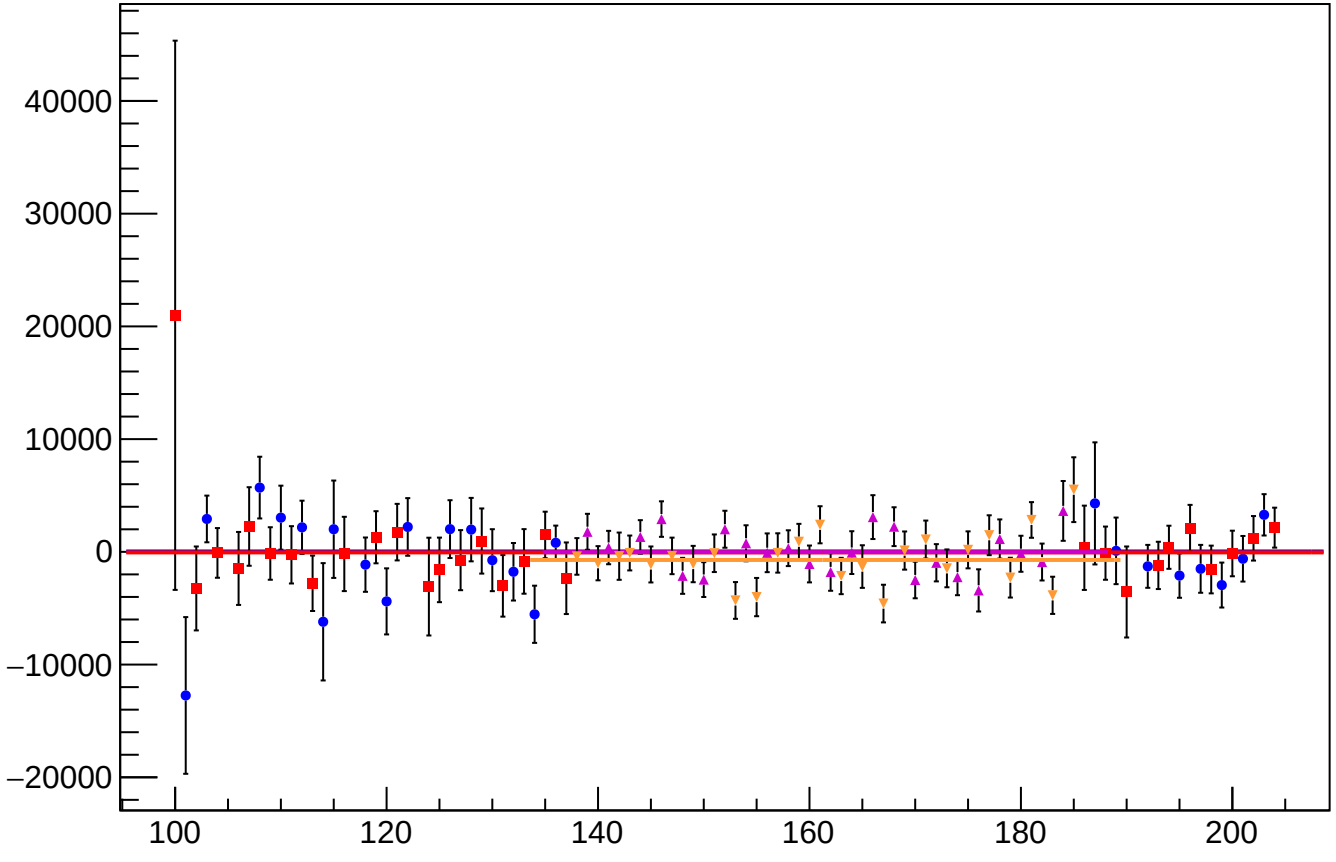
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 705.278+/-0.092 χ^2/NDF: 5989937.9/48

All: 723.271+/-0.066 χ^2/NDF: 12537489.6/10

- sign 742.704+/-0.096 χ^2/NDF: 6468159.5/51

asym_usr_atr1_dd_mean vs Slug



Right In: 32.387+/-495.635 χ^2/NDF: 31.4/23

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -47.843+/-470.650 χ^2/NDF: 12.2/28

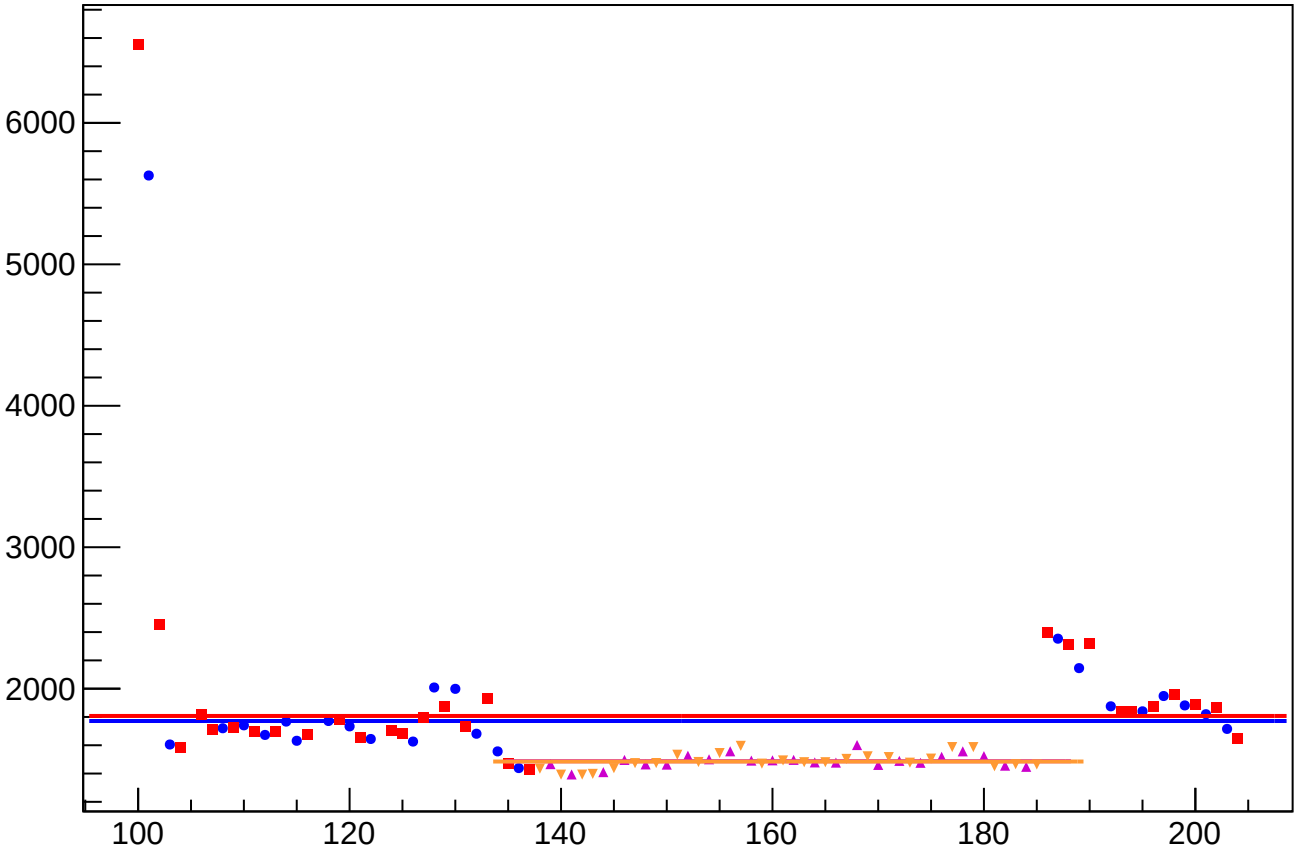
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -480.406+/-279.009 χ^2/NDF: 70.8/48

All: -257.947+/-197.467 χ^2/NDF: 112.2/100

- sign -34.684+/-279.512 χ^2/NDF: 40.2/51

asym_usr_atr1_dd_rms vs Slug



Right In: 1771.438+/-0.350 χ^2/NDF: 873215.8/23

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1807.136+/-0.333 χ^2/NDF: 479506.0/28

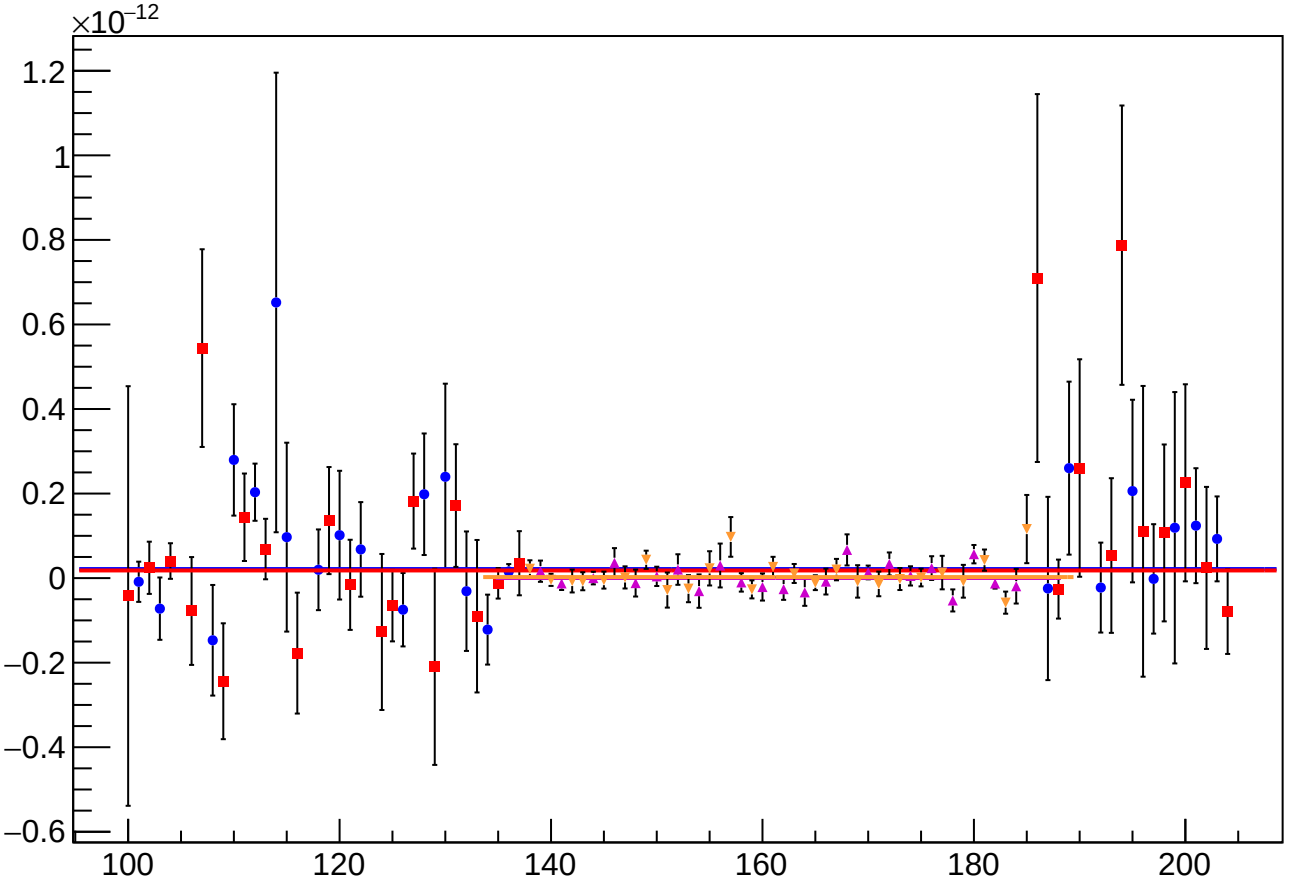
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1575.743+/-0.197 χ^2/NDF: 1380555.1/48

All: 1587.842+/-0.140 χ^2/NDF: 2500968.7/10

- sign 1599.985+/-0.198 χ^2/NDF: 1112878.1/51

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/28

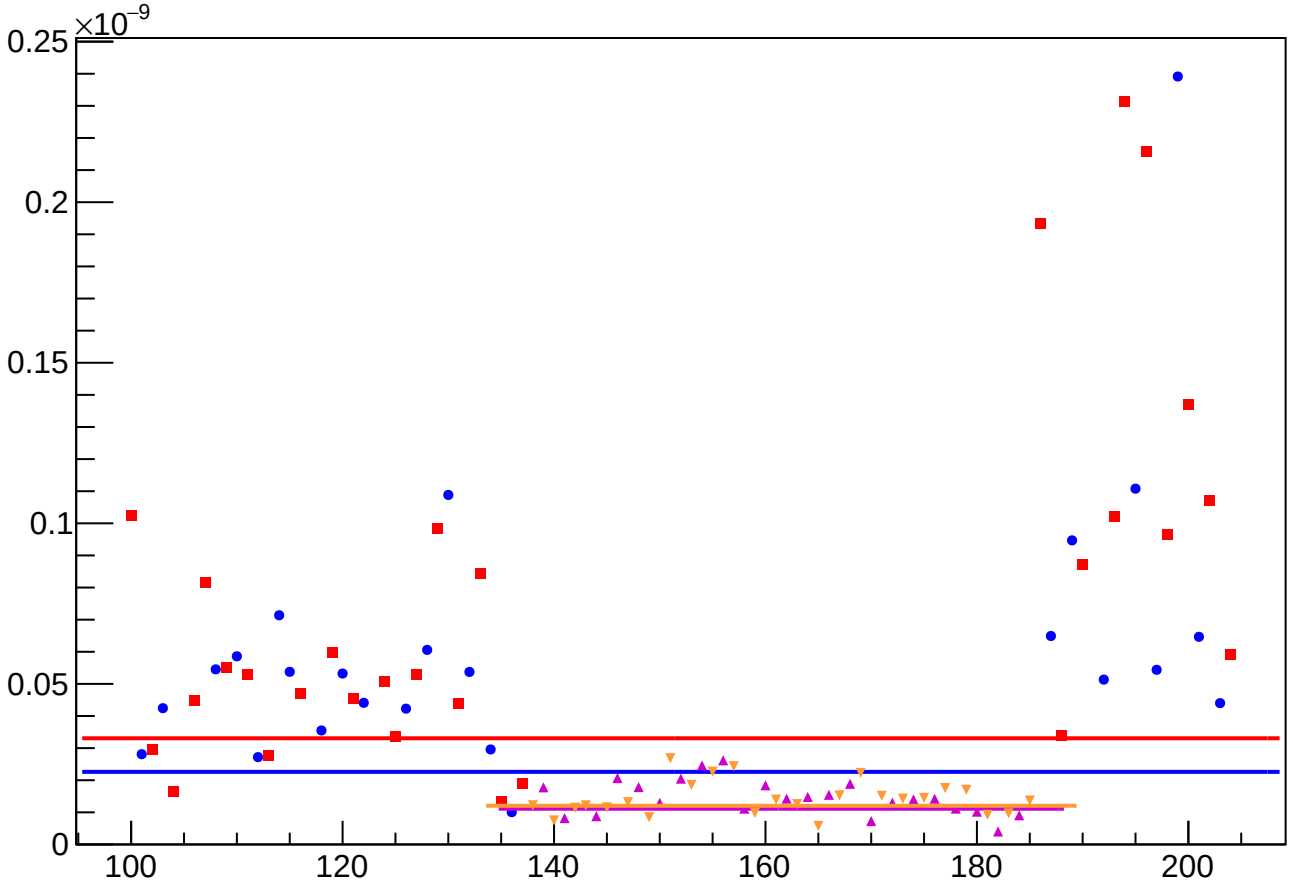
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.2/48

All: 0.000+/-0.000 χ^2/NDF: 112.9/100

- sign 0.000+/-0.000 χ^2/NDF: 58.5/51

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4490088.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4766915.1/28

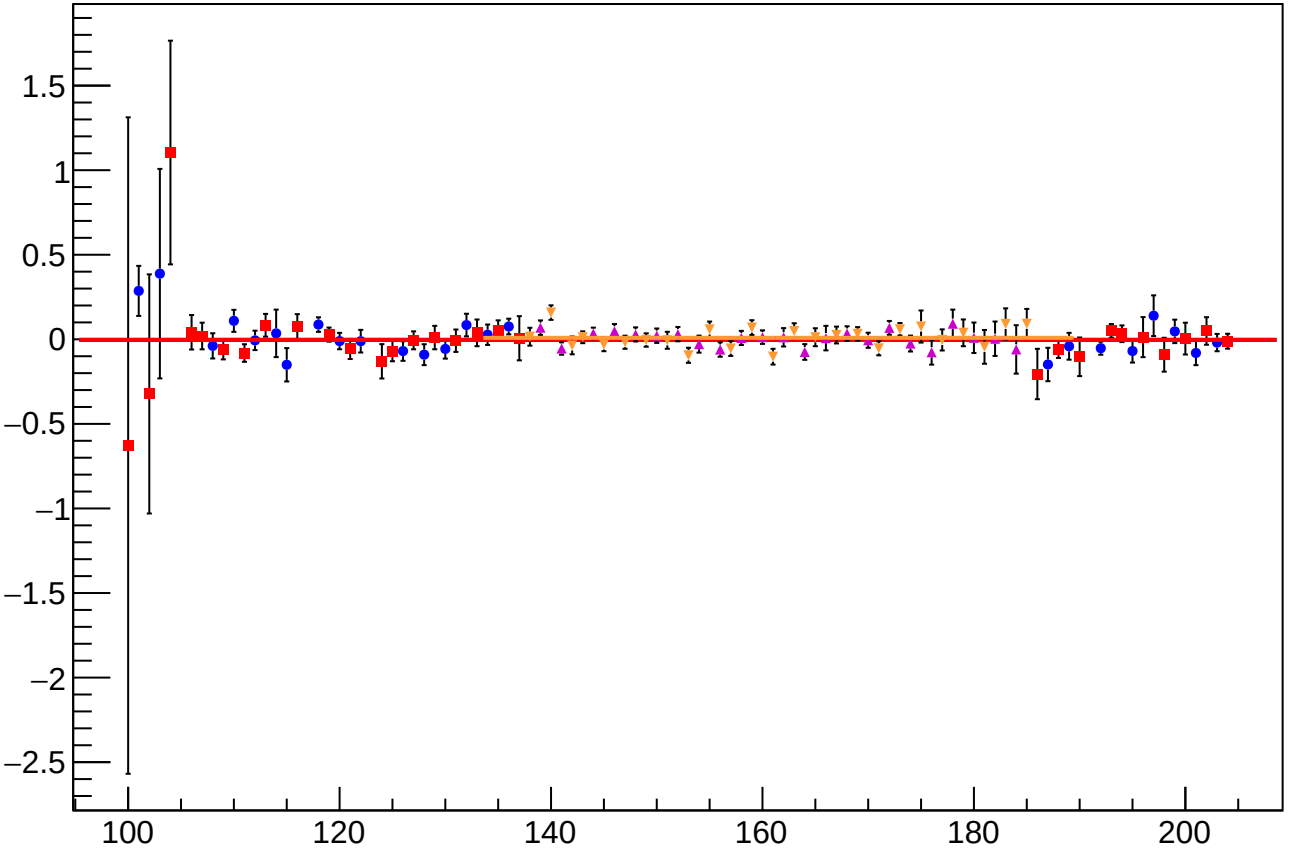
Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7041344.0/48

All: 0.000+/-0.000 χ^2/NDF: 16883126.4/100

- sign 0.000+/-0.000 χ^2/NDF: 9825501.7/51

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.013 χ^2/NDF: 31.4/23

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.013 χ^2/NDF: 22.2/28

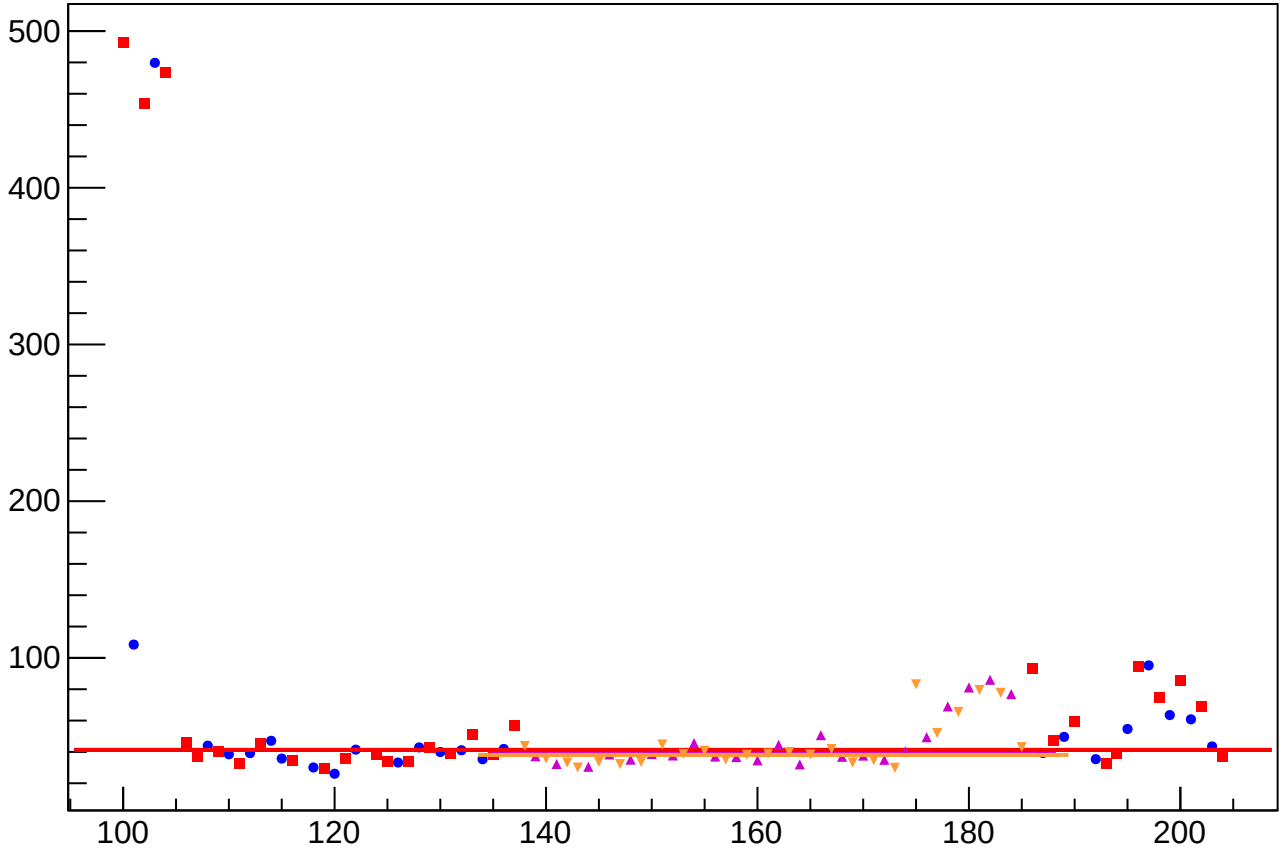
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 70.5/48

All: 0.004+/-0.005 χ^2/NDF: 112.1/100

- sign 0.004+/-0.008 χ^2/NDF: 41.6/51

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.253+/-0.009 χ^2/NDF: 2729772.1/23

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

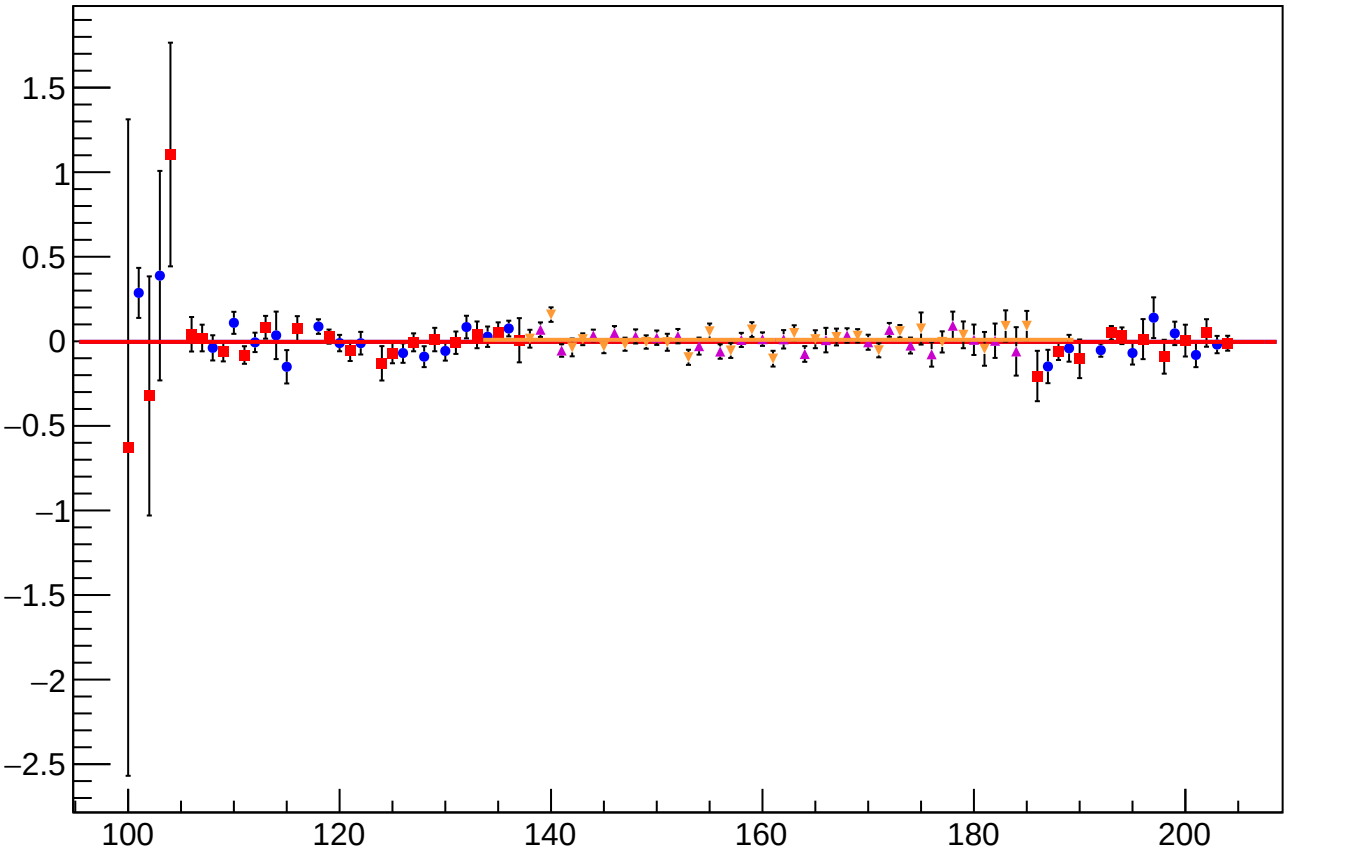
Right Out: 41.279+/-0.009 χ^2/NDF: 3796945.3/28

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 39.189+/-0.005 χ^2/NDF: 4774915.0/48

All: 39.417+/-0.004 χ^2/NDF: 10357993.5/100

- sign 39.649+/-0.005 χ^2/NDF: 5579539.4/51



Right In: -0.003+/-0.013 χ^2/NDF: 31.4/23

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.013 χ^2/NDF: 22.2/28

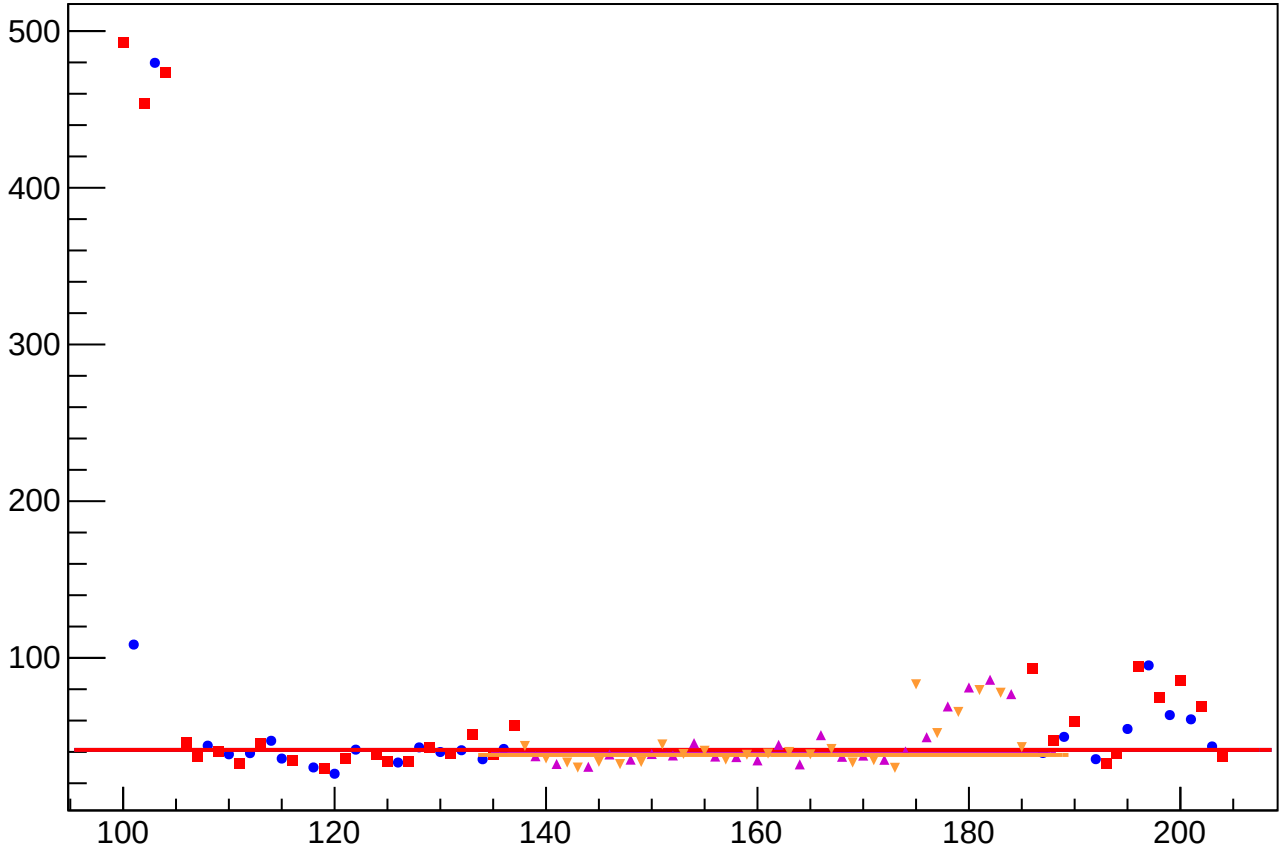
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 70.5/48

All: 0.004+/-0.005 χ^2/NDF: 112.1/100

- sign 0.004+/-0.008 χ^2/NDF: 41.6/51

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.253+/-0.009 χ^2/NDF: 2729772.1/23

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

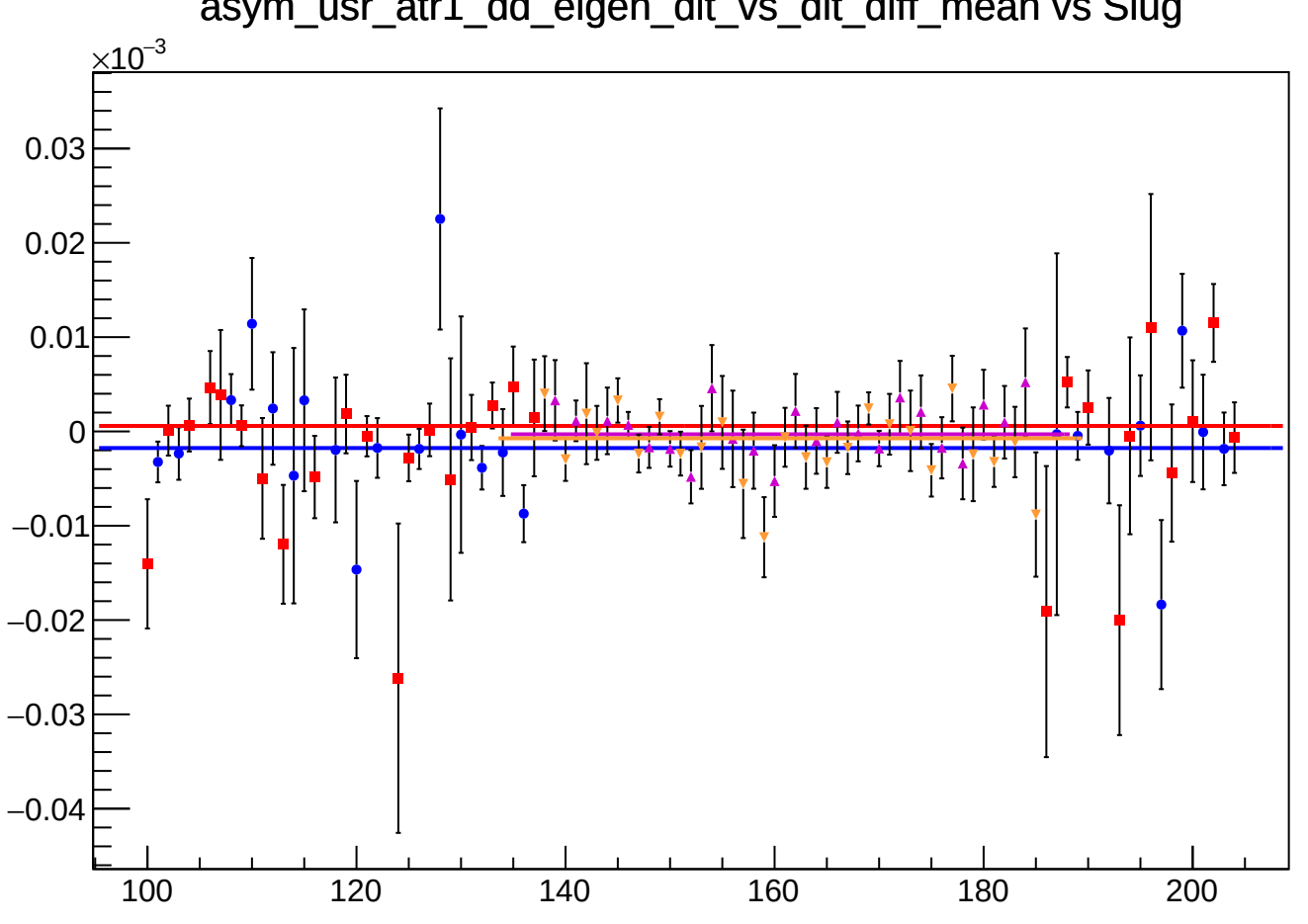
Right Out: 41.279+/-0.009 χ^2/NDF: 3796945.3/28

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 39.189+/-0.005 χ^2/NDF: 4774915.0/48

All: 39.417+/-0.004 χ^2/NDF: 10357993.5/100

- sign 39.649+/-0.005 χ^2/NDF: 5579539.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

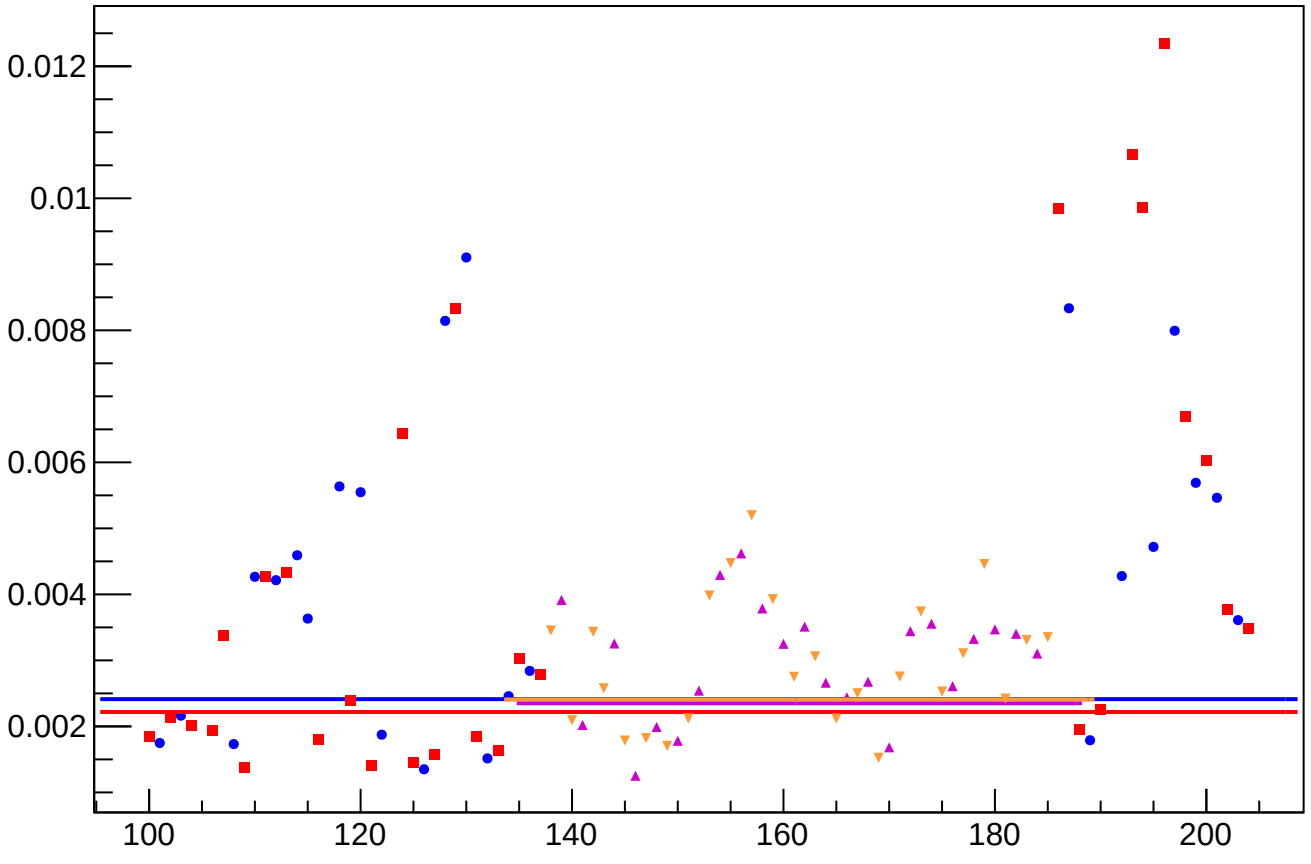
Right Out: 0.000+/-0.000 χ^2/NDF: 35.0/28

Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.5/48

All: -0.000+/-0.000 χ^2/NDF: 109.3/100

- sign 0.000+/-0.000 χ^2/NDF: 49.7/51



Right In: 0.002+/-0.000 χ^2/NDF: 6223220.4/23

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

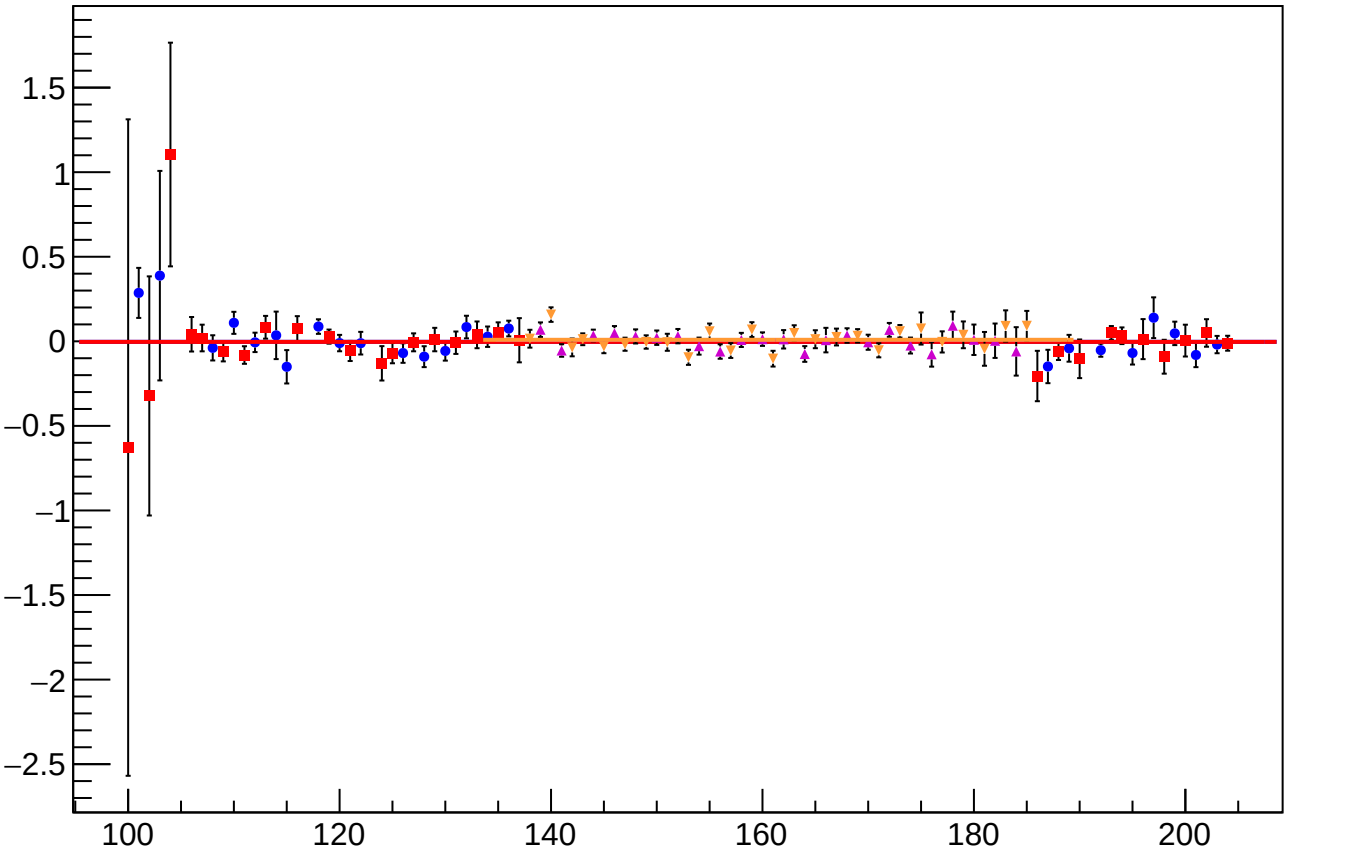
Right Out: 0.002+/-0.000 χ^2/NDF: 7778636.1/28

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 9906244.9/48

All: 0.002+/-0.000 χ^2/NDF: 22224369.3/100

- sign 0.002+/-0.000 χ^2/NDF: 12257738.1/51



Right In: -0.003+/-0.013 χ^2/NDF: 31.4/23

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.013 χ^2/NDF: 22.2/28

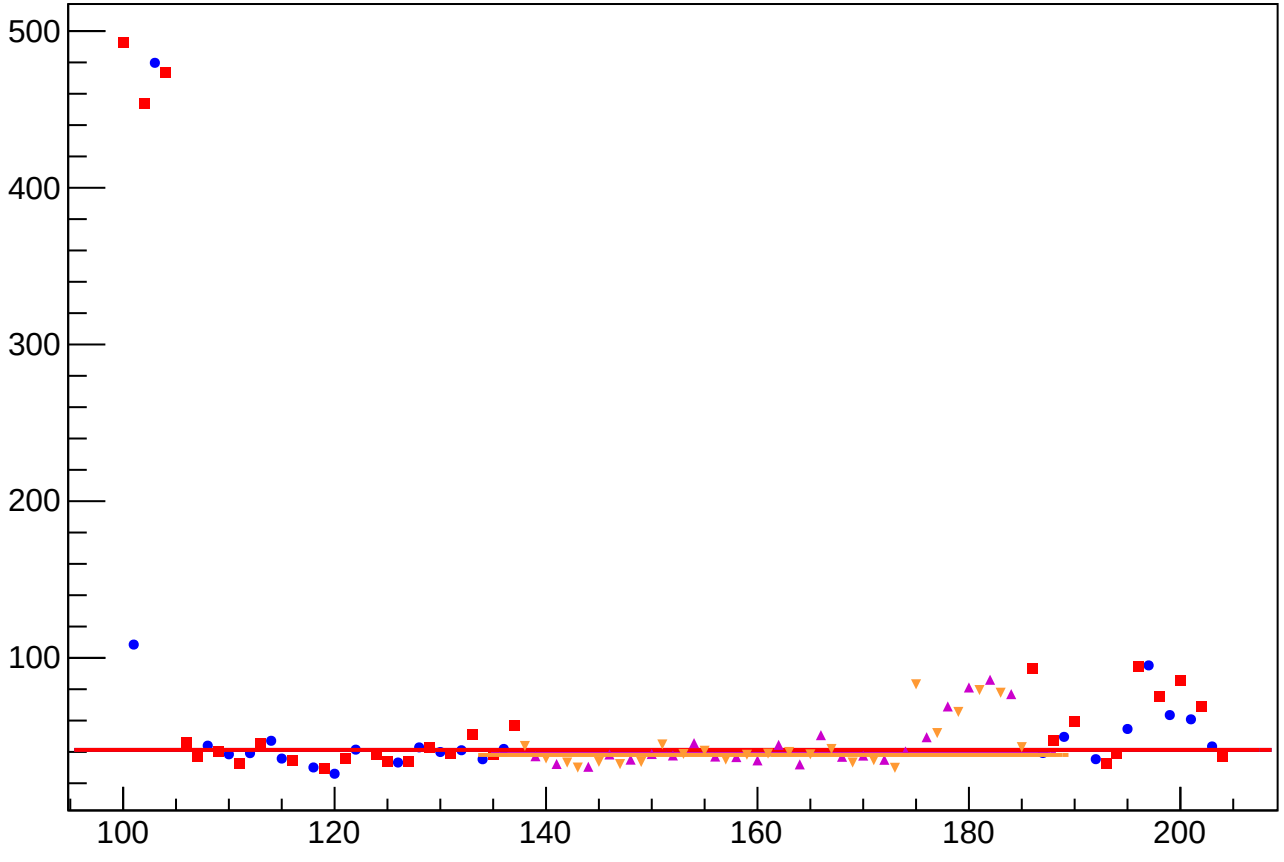
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 70.5/48

All: 0.004+/-0.005 χ^2/NDF: 112.1/100

- sign 0.004+/-0.008 χ^2/NDF: 41.6/51

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.252+/-0.009 χ^2/NDF: 2729911.9/23

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

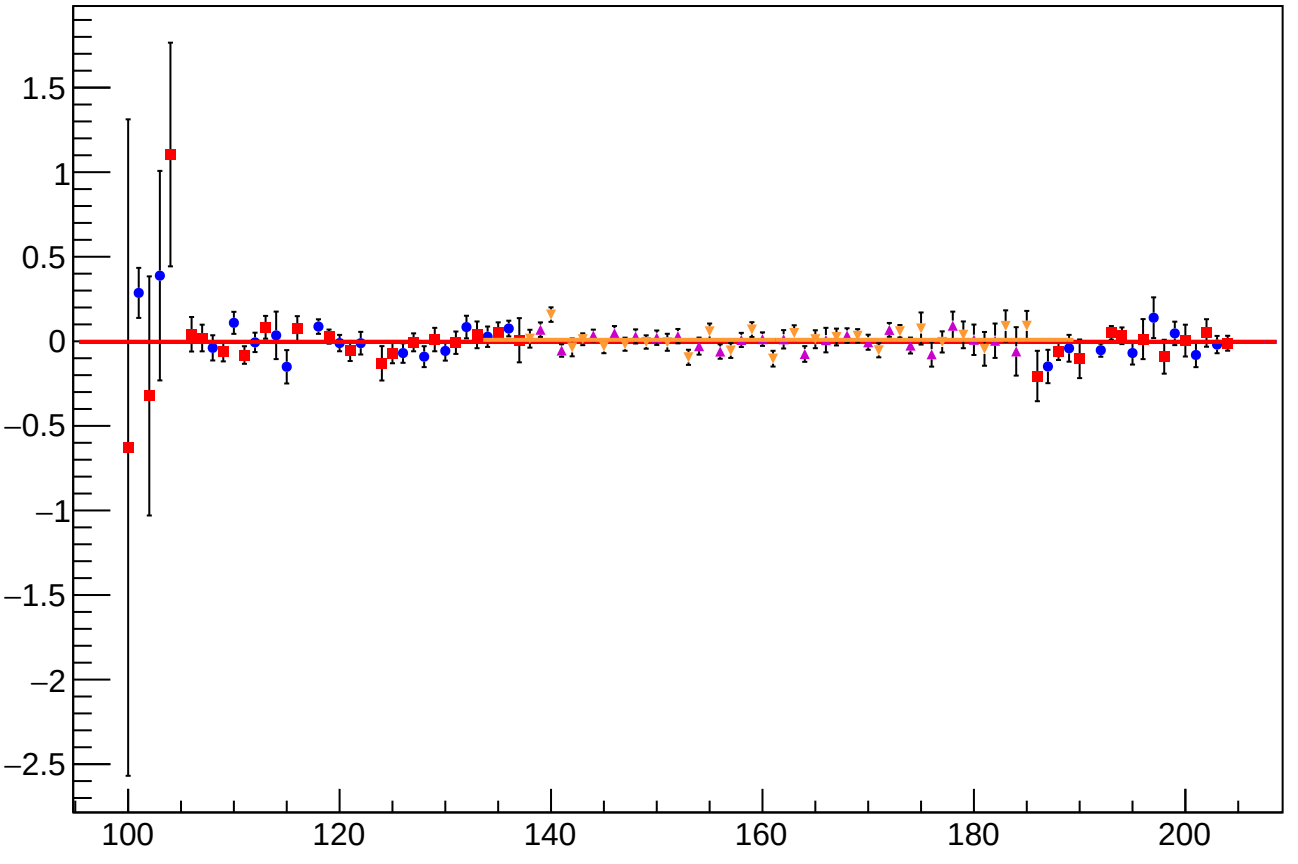
Right Out: 41.276+/-0.009 χ^2/NDF: 3797418.7/28

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.189+/-0.005 χ^2/NDF: 4775021.5/48

All: 39.416+/-0.004 χ^2/NDF: 10358475.2/100

- sign 39.648+/-0.005 χ^2/NDF: 5579930.4/51



Right In: -0.003+/-0.013 χ^2/NDF: 31.4/23

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

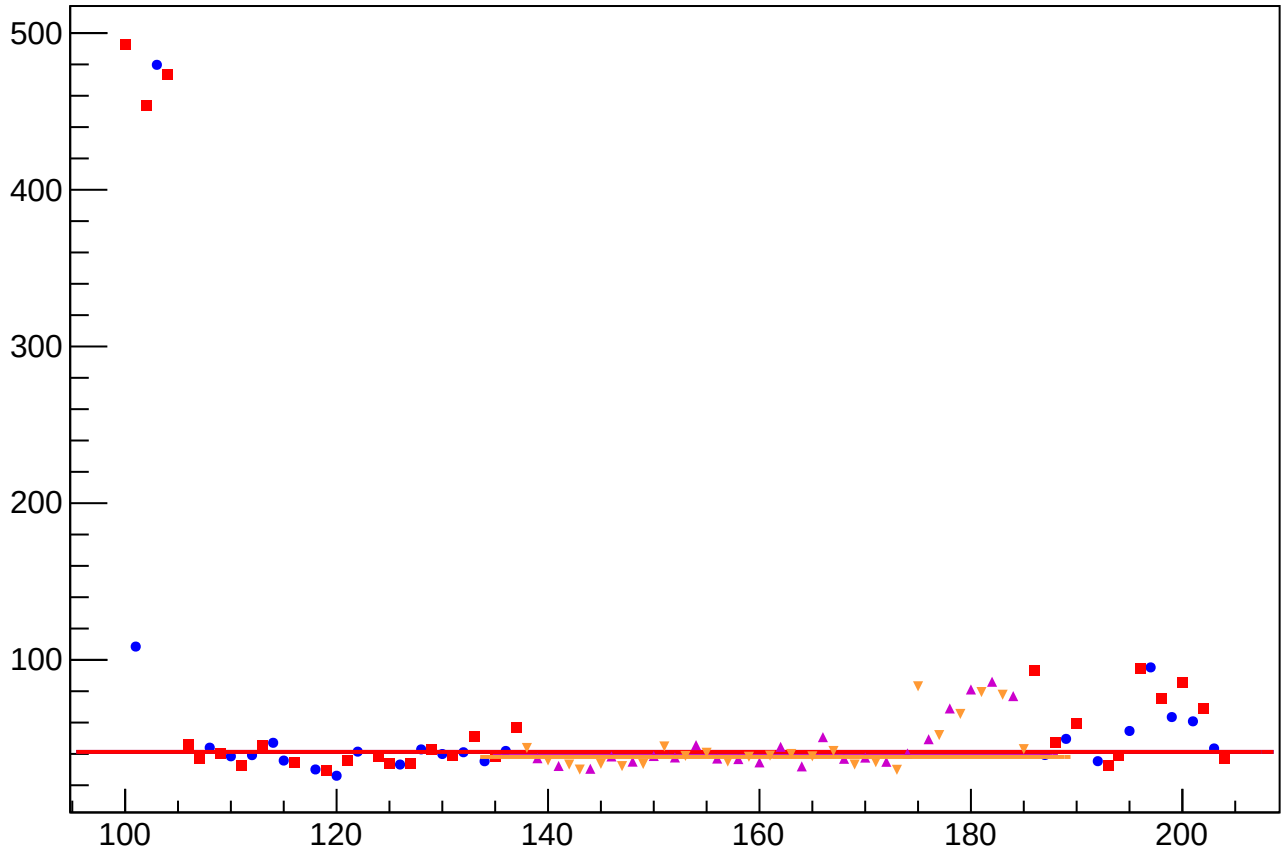
Right Out: -0.003+/-0.013 χ^2/NDF: 22.2/28

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 70.5/48

All: 0.004+/-0.005 χ^2/NDF: 112.1/100

- sign 0.004+/-0.008 χ^2/NDF: 41.6/51



Right In: 41.252+/-0.009 χ^2/NDF: 2729911.9/23

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

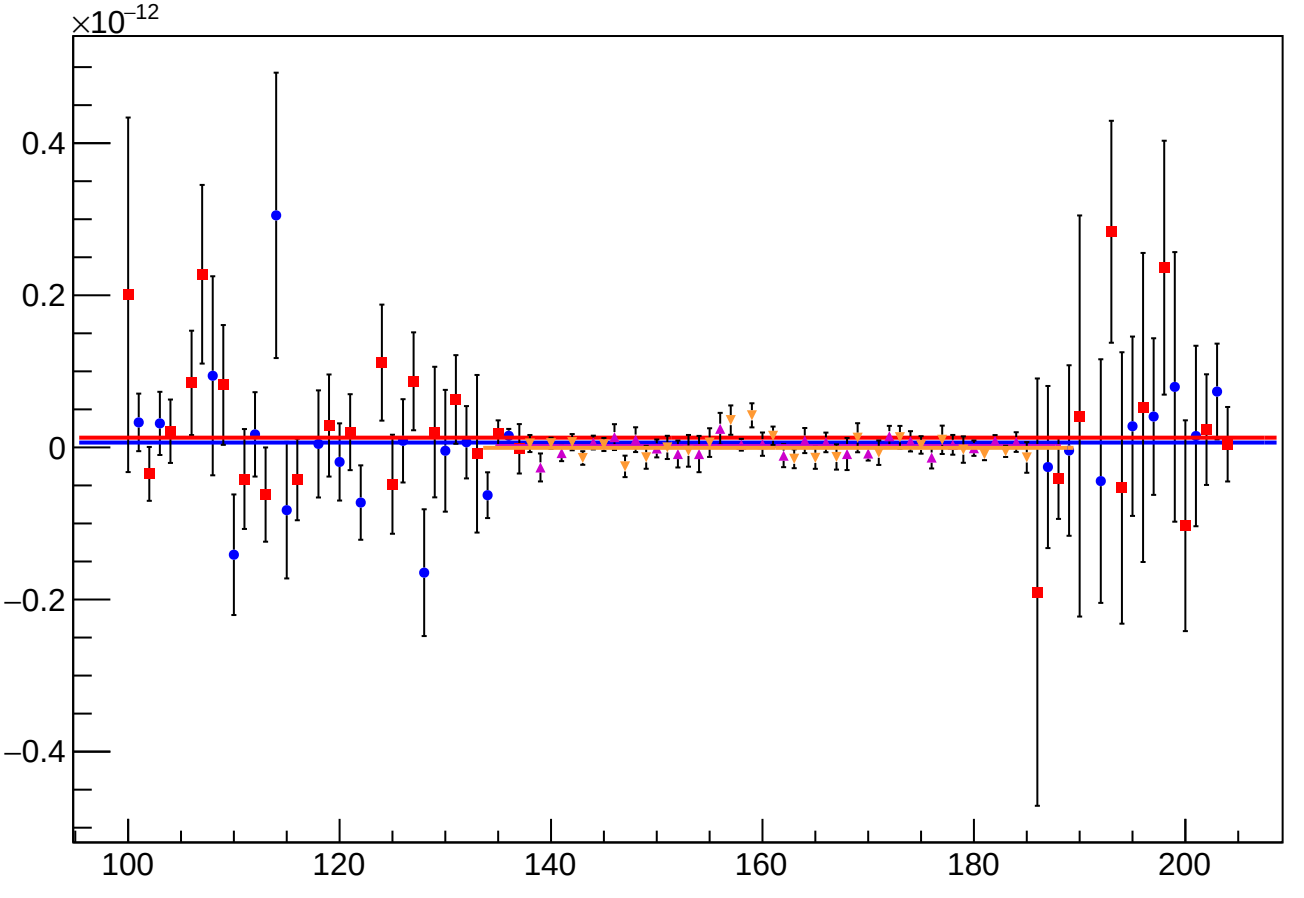
Right Out: 41.276+/-0.009 χ^2/NDF: 3797418.7/28

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.189+/-0.005 χ^2/NDF: 4775021.5/48

All: 39.416+/-0.004 χ^2/NDF: 10358475.2/100

- sign 39.648+/-0.005 χ^2/NDF: 5579930.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 23.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

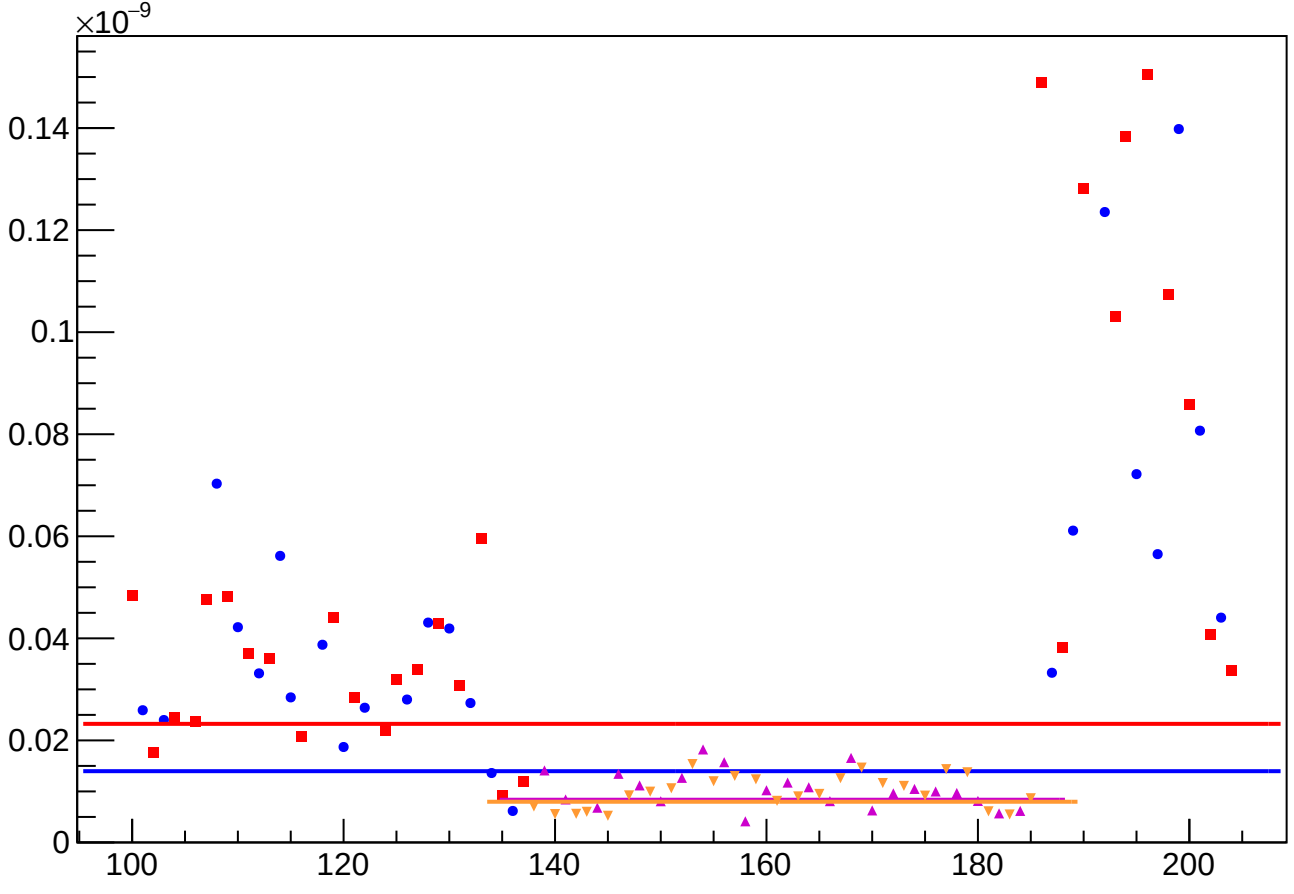
Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/28

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.0/48

All: 0.000+/-0.000 χ^2/NDF: 88.0/100

- sign 0.000+/-0.000 χ^2/NDF: 36.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 8284266.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7069277.9/28

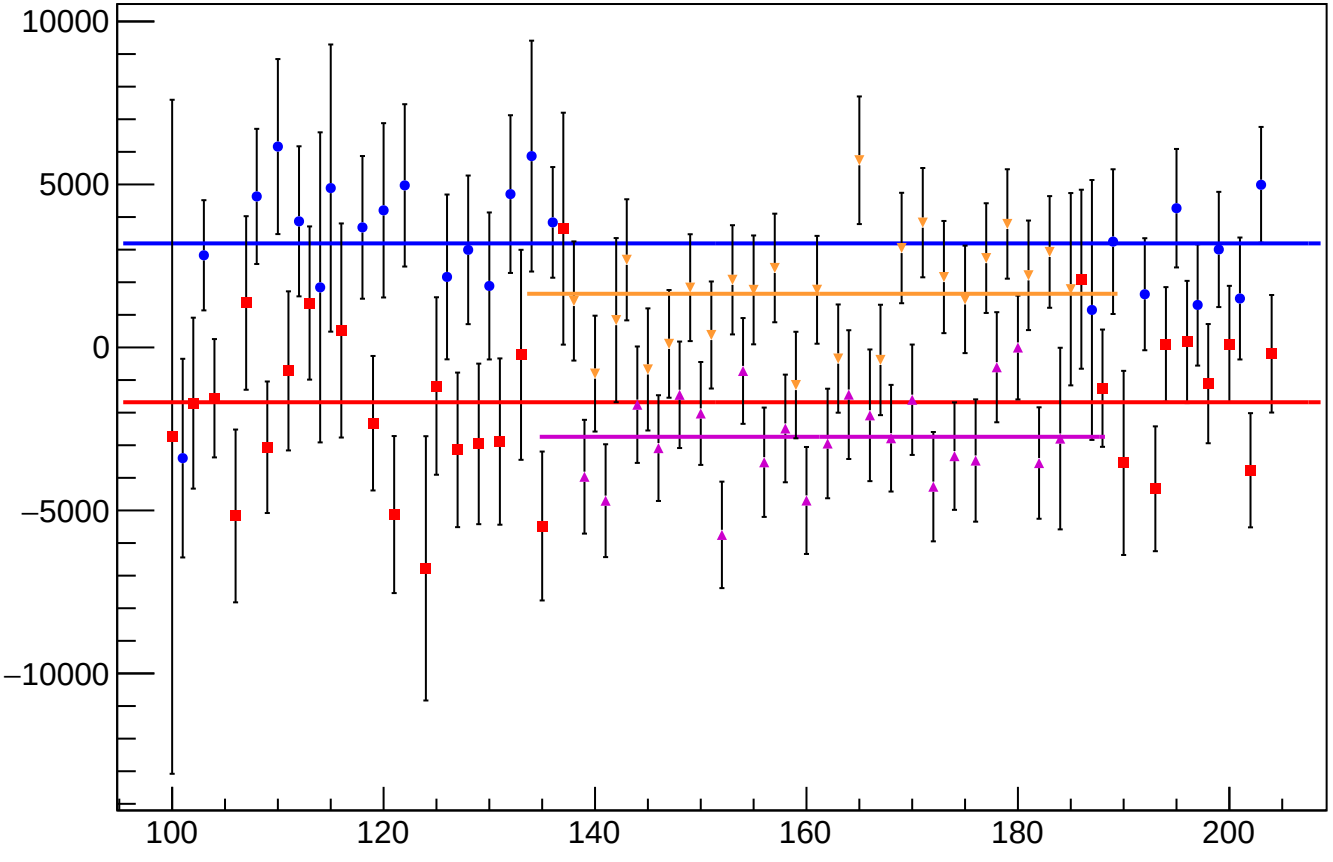
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12298650.3/48

All: 0.000+/-0.000 χ^2/NDF: 26455652.1/100

- sign 0.000+/-0.000 χ^2/NDF: 14055791.8/51

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3191.898+/-452.377 χ^2/NDF: 13.4/23

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1680.709+/-423.035 χ^2/NDF: 25.1/28

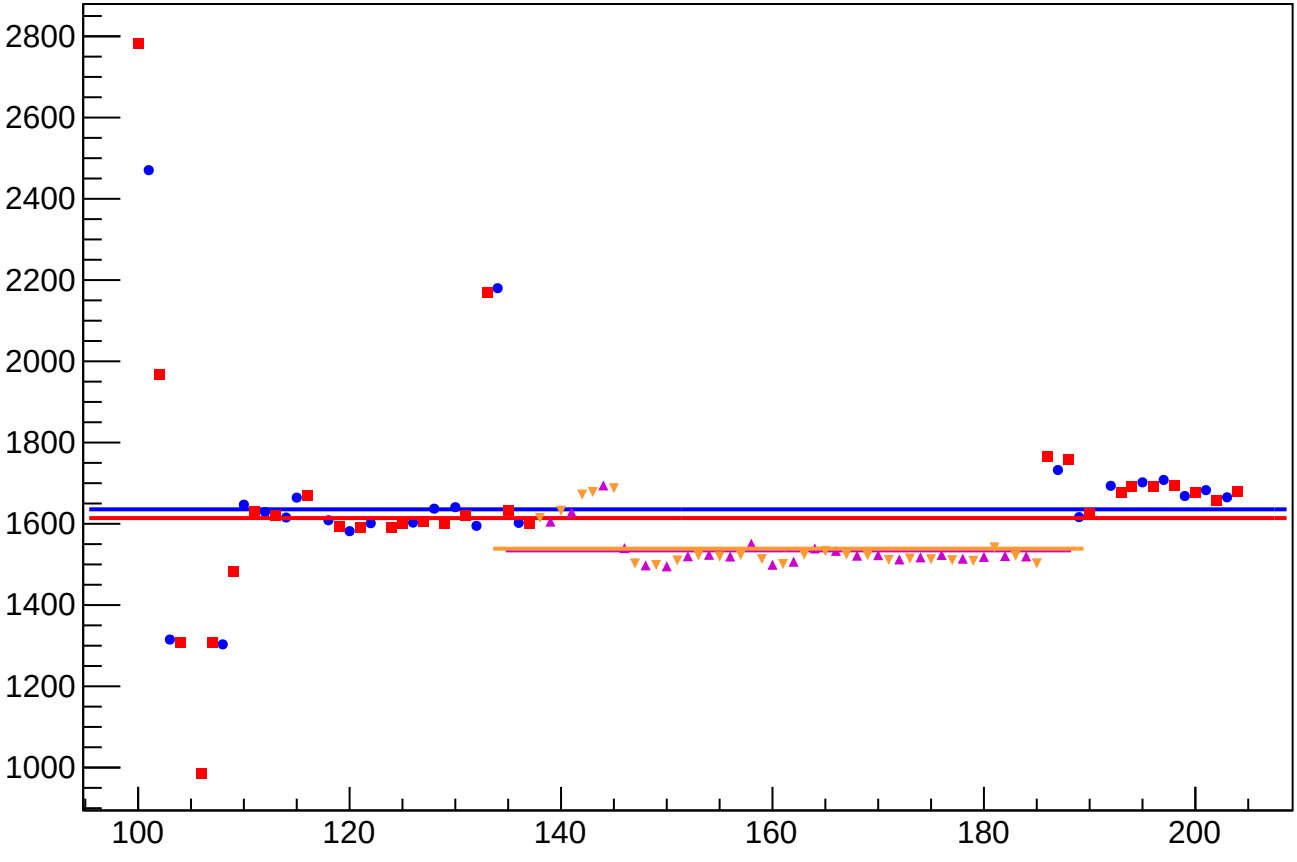
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2224.615+/-276.701 χ^2/NDF: 41.7/48

All: -63.078+/-194.509 χ^2/NDF: 222.1/100

- sign -2297.831+/-273.481 χ^2/NDF: 45.2/51

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1635.646+/-0.320 χ^2/NDF: 335907.6/23

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1614.078+/-0.297 χ^2/NDF: 443307.5/28

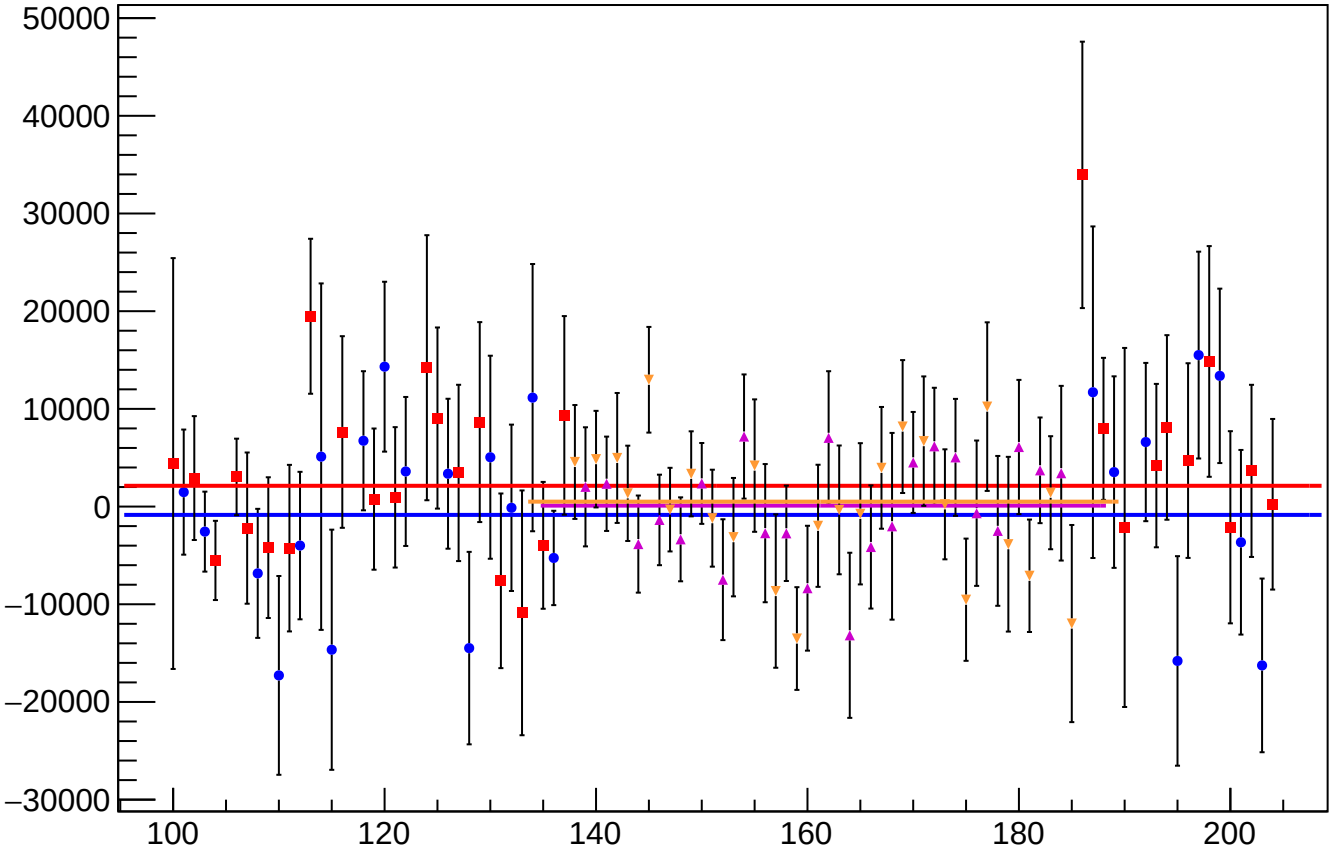
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1575.039+/-0.196 χ^2/NDF: 440321.5/48

All: 1571.549+/-0.137 χ^2/NDF: 956872.6/100

- sign 1568.164+/-0.193 χ^2/NDF: 515924.4/51

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -852.549+/-1631.116 χ^2/NDF: 25.5/23

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 2126.610+/-1466.130 χ^2/NDF: 24.0/28

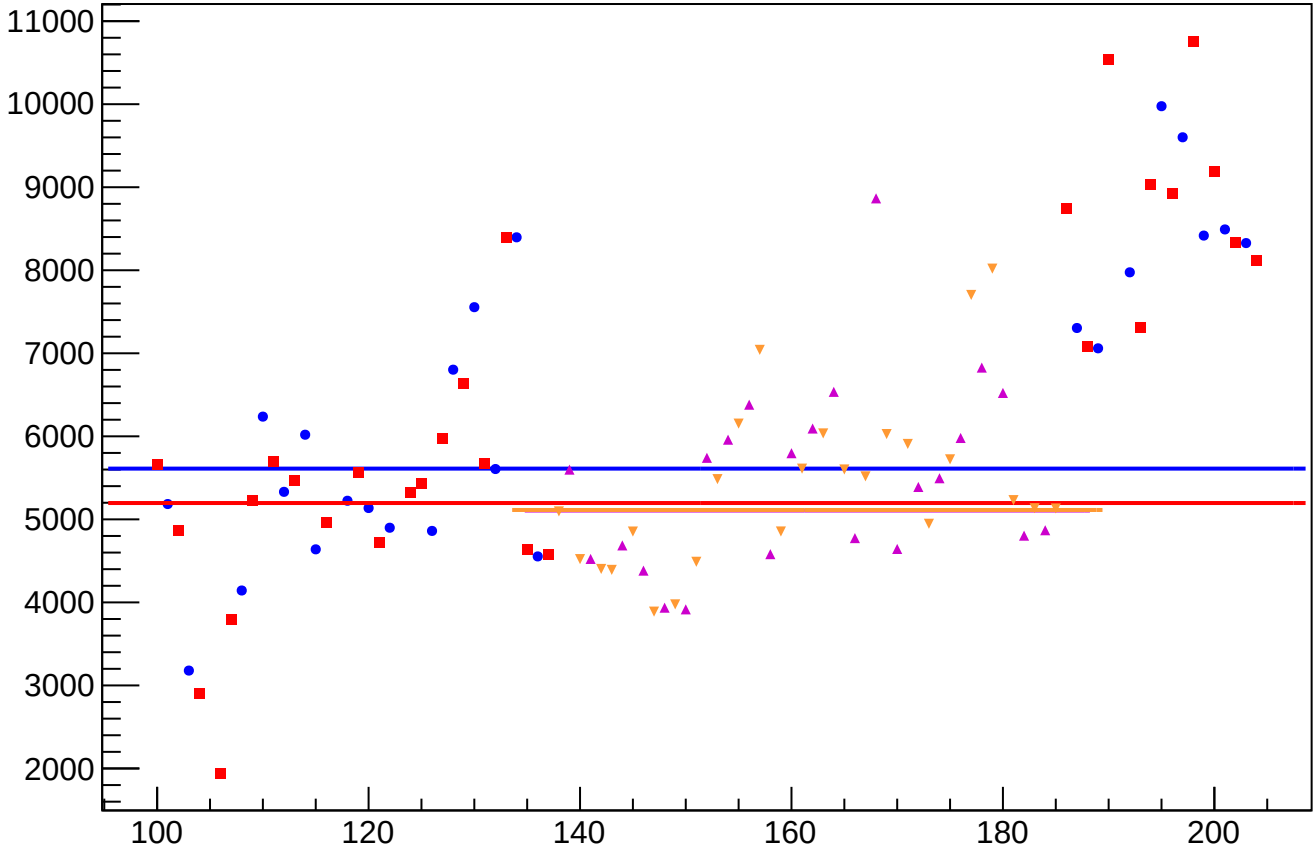
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

+ sign 34.070+/-959.925 χ^2/NDF: 52.8/48

All: 490.947+/-670.404 χ^2/NDF: 93.2/100

- sign 925.975+/-936.690 χ^2/NDF: 40.0/51

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 5611.216+/-1.153 χ^2/NDF: 2584017.9/23

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5196.714+/-1.037 χ^2/NDF: 4760603.4/28

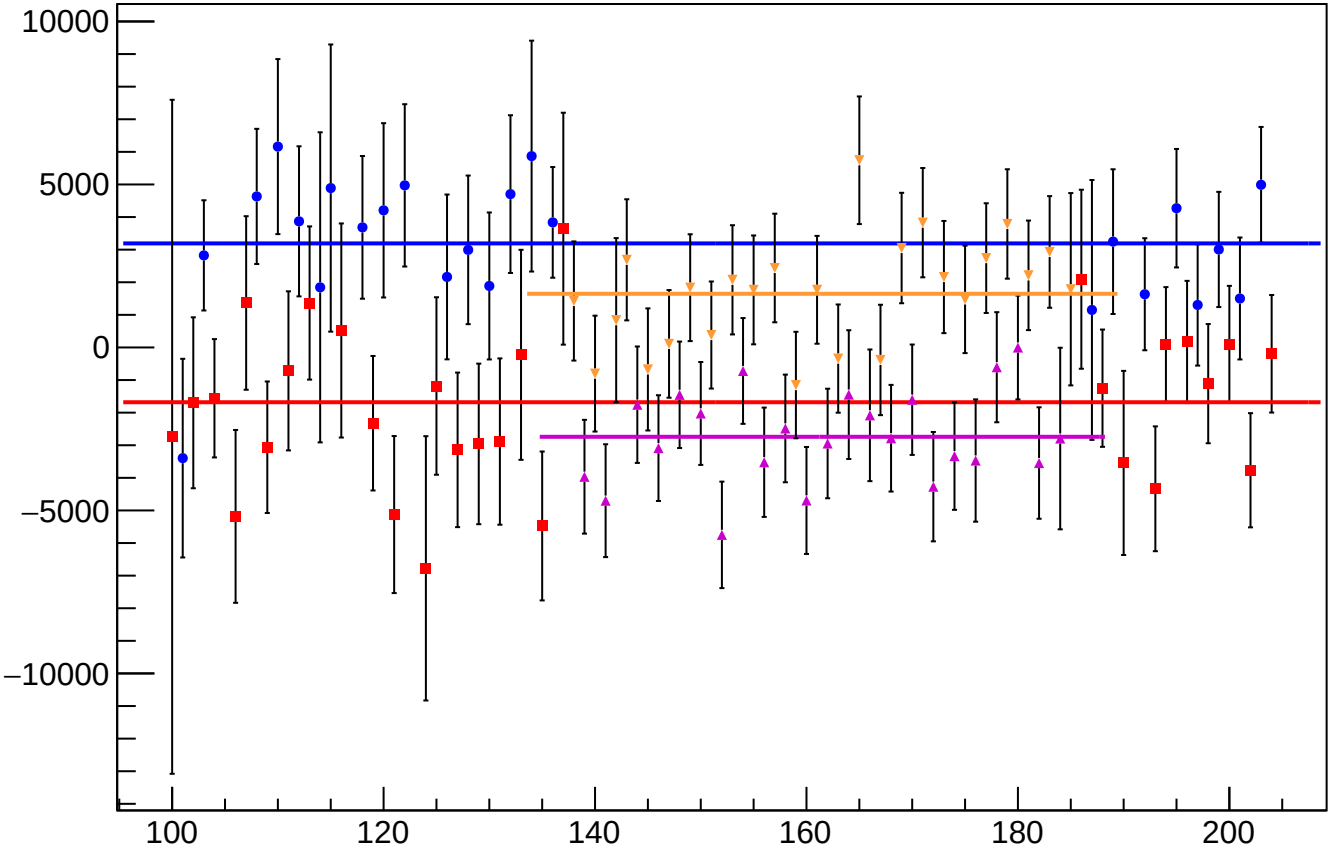
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5285.523+/-0.679 χ^2/NDF: 3865019.2/48

All: 5212.647+/-0.474 χ^2/NDF: 9904241.0/10

- sign 5143.256+/-0.662 χ^2/NDF: 6016718.5/51

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3191.767+/-452.377 χ^2/NDF: 13.4/23

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1680.695+/-423.036 χ^2/NDF: 25.1/28

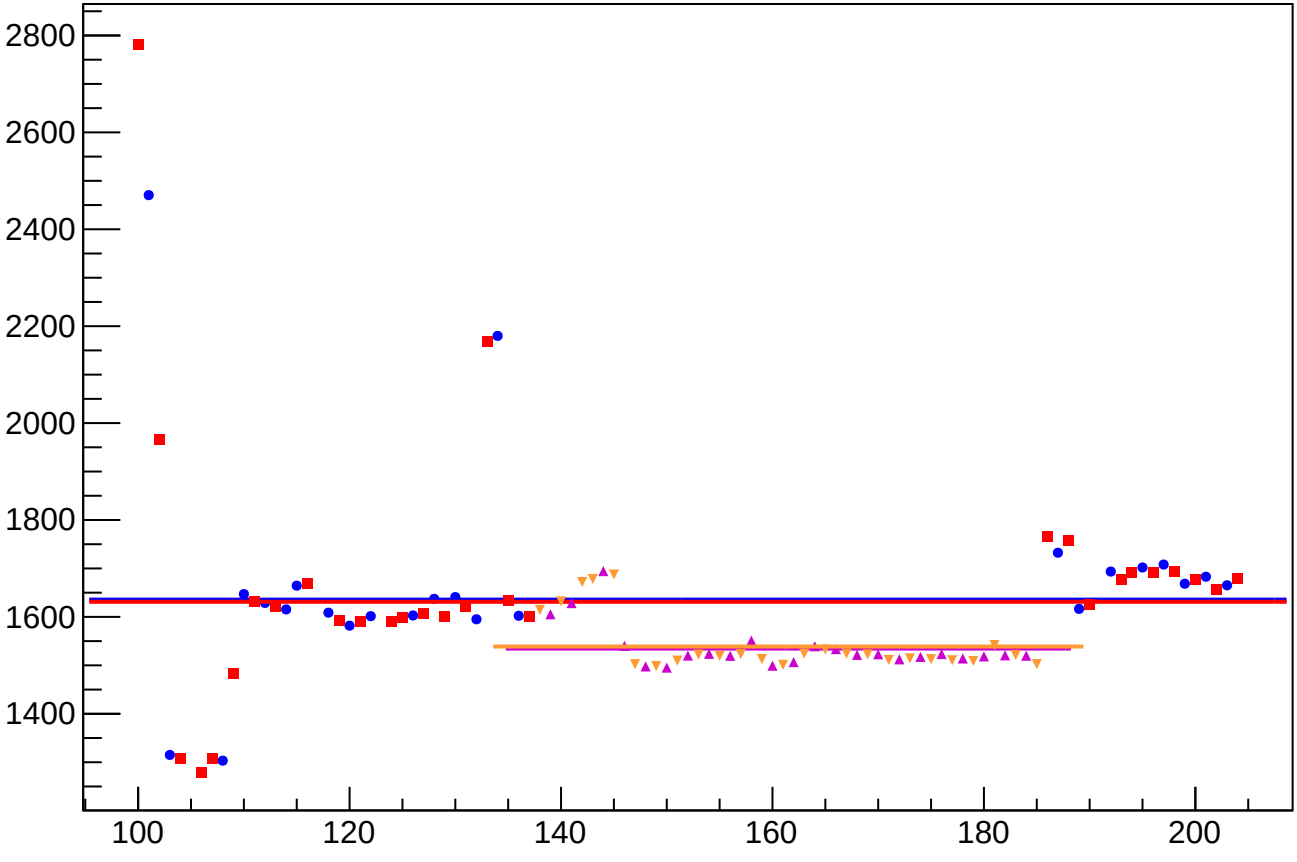
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2224.499+/-276.701 χ^2/NDF: 41.7/48

All: -63.102+/-194.509 χ^2/NDF: 222.1/100

- sign -2297.769+/-273.481 χ^2/NDF: 45.2/51

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1635.646+/-0.320 χ^2/NDF: 335906.7/23

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1631.193+/-0.299 χ^2/NDF: 286991.7/28

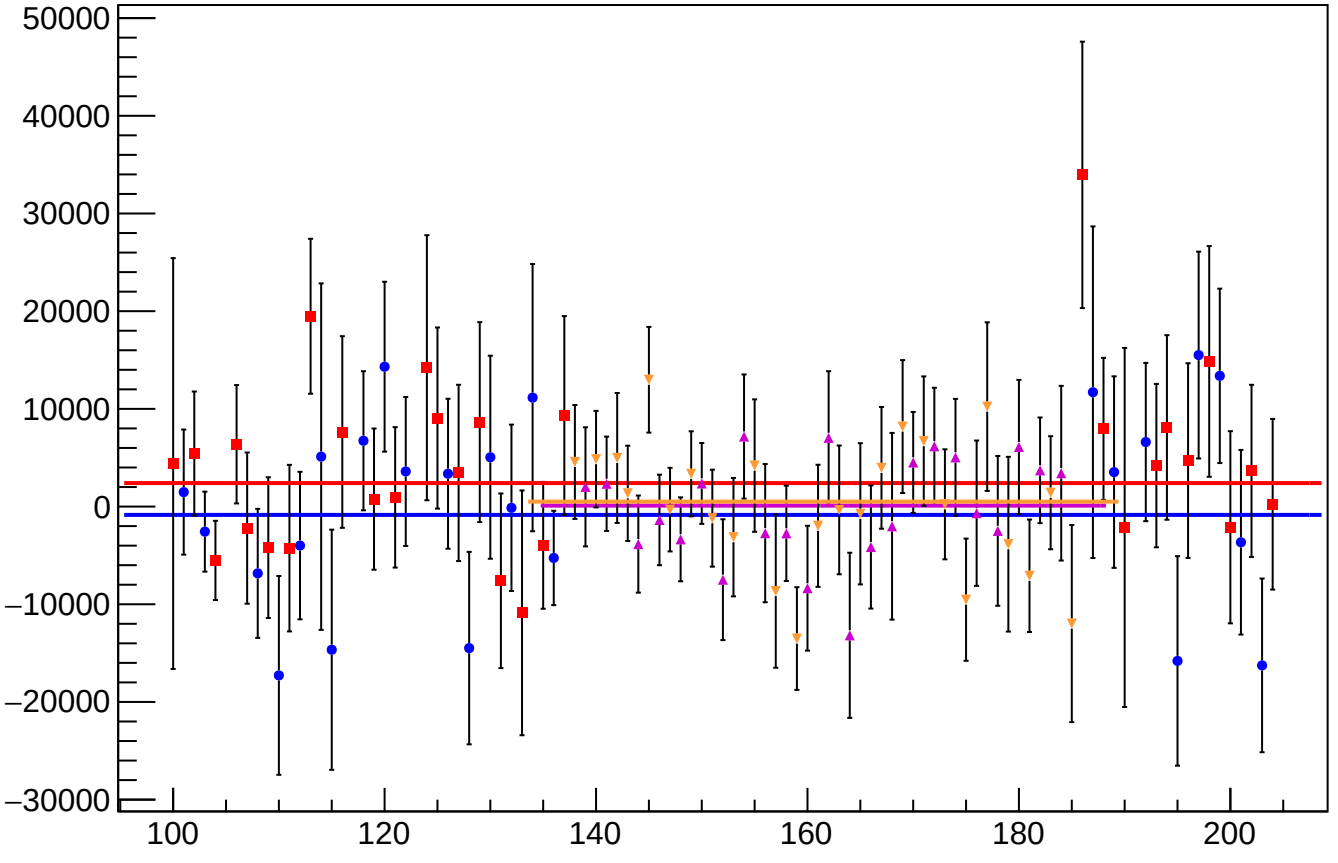
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1575.039+/-0.196 χ^2/NDF: 440320.7/48

All: 1575.056+/-0.137 χ^2/NDF: 819252.8/100

- sign 1575.073+/-0.193 χ^2/NDF: 378932.1/51

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -852.662+/-1631.142 χ^2/NDF: 25.5/23

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2405.122+/-1529.964 χ^2/NDF: 24.6/28

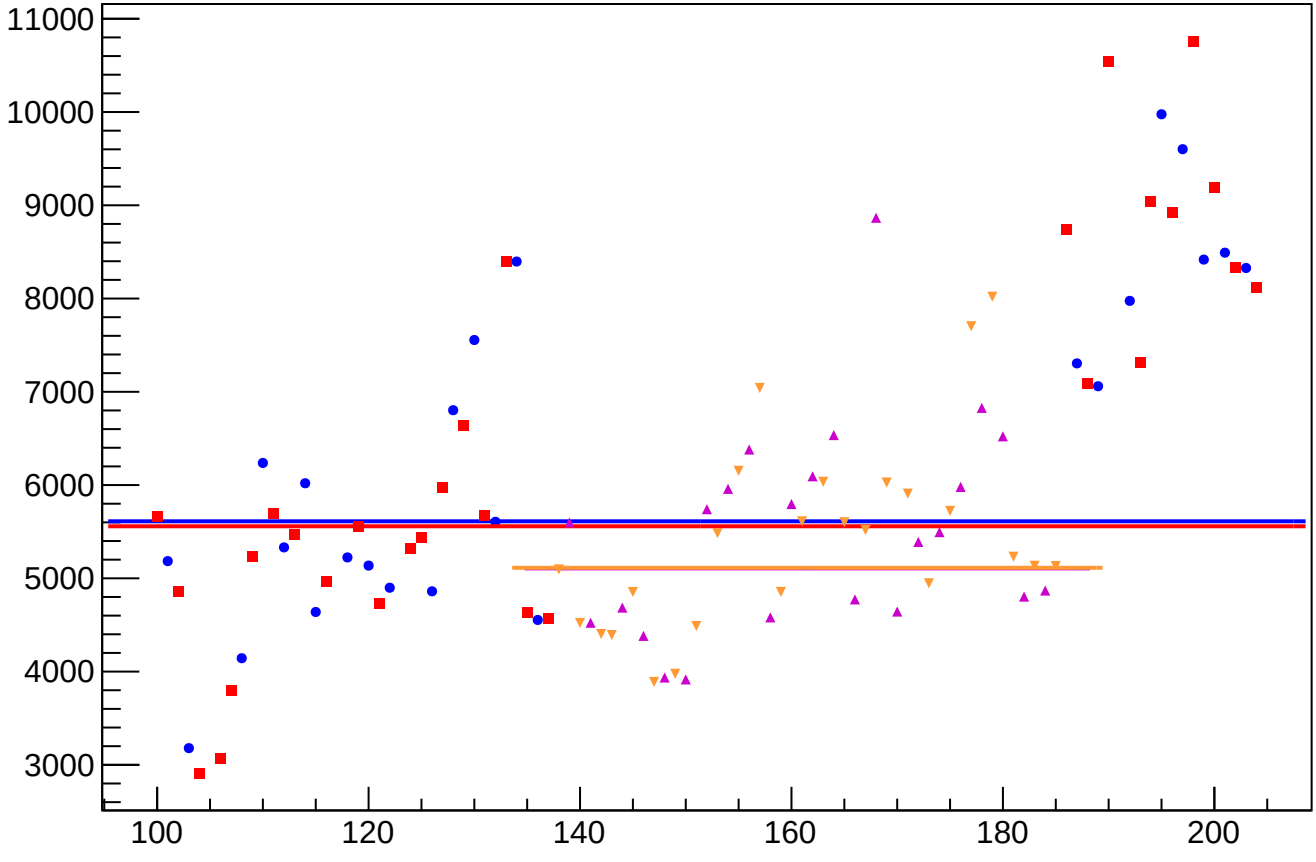
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 34.043+/-959.929 χ^2/NDF: 52.8/48

All: 516.919+/-676.206 χ^2/NDF: 94.2/100

- sign 992.560+/-952.711 χ^2/NDF: 40.9/51

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 5611.347+/-1.153 χ^2/NDF: 2583680.4/23

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5557.979+/-1.082 χ^2/NDF: 3512527.9/28

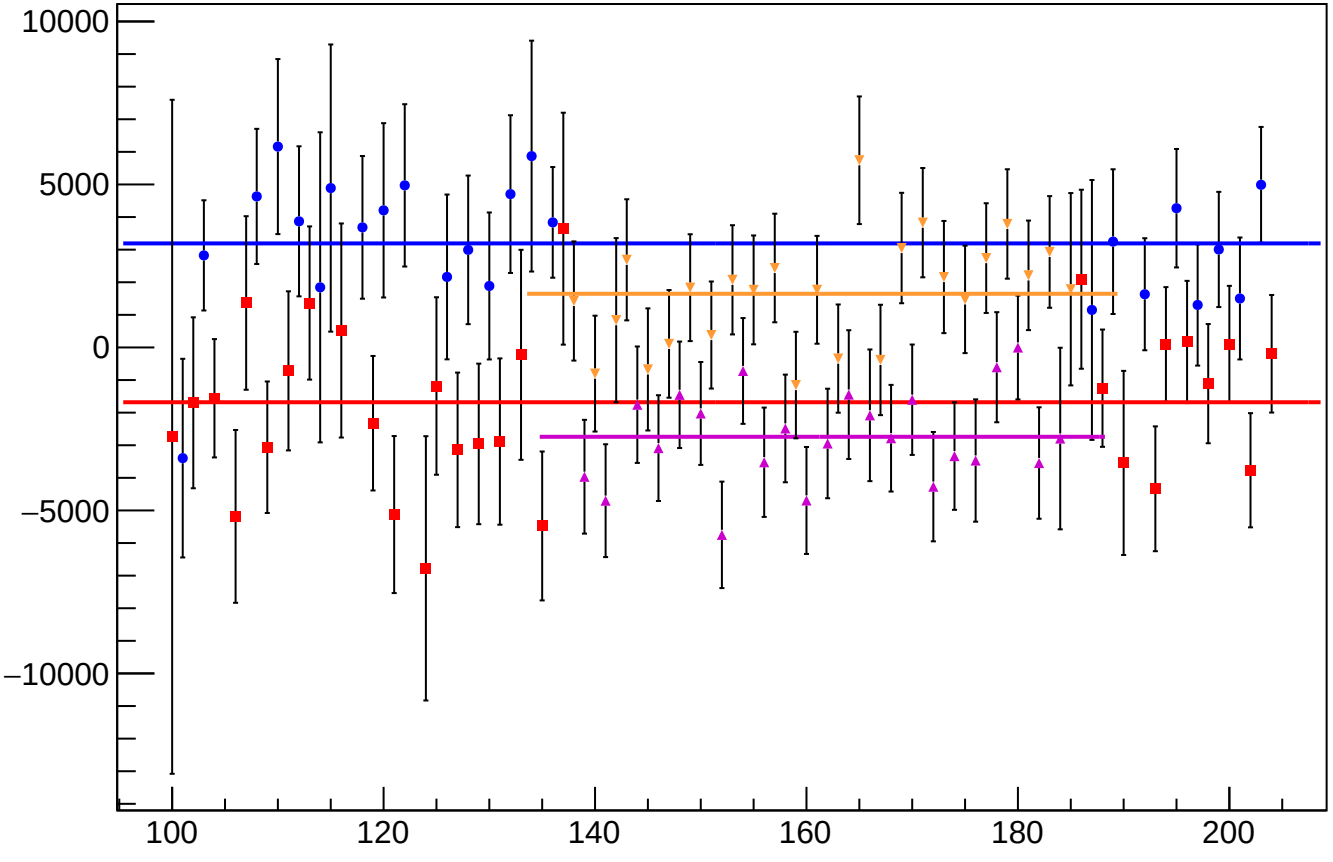
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5285.560+/-0.679 χ^2/NDF: 3864759.9/48

All: 5283.511+/-0.478 χ^2/NDF: 8735610.4/10

- sign 5281.493+/-0.674 χ^2/NDF: 4870832.5/51

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3191.767+/-452.377 χ^2/NDF: 13.4/23

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1680.695+/-423.036 χ^2/NDF: 25.1/28

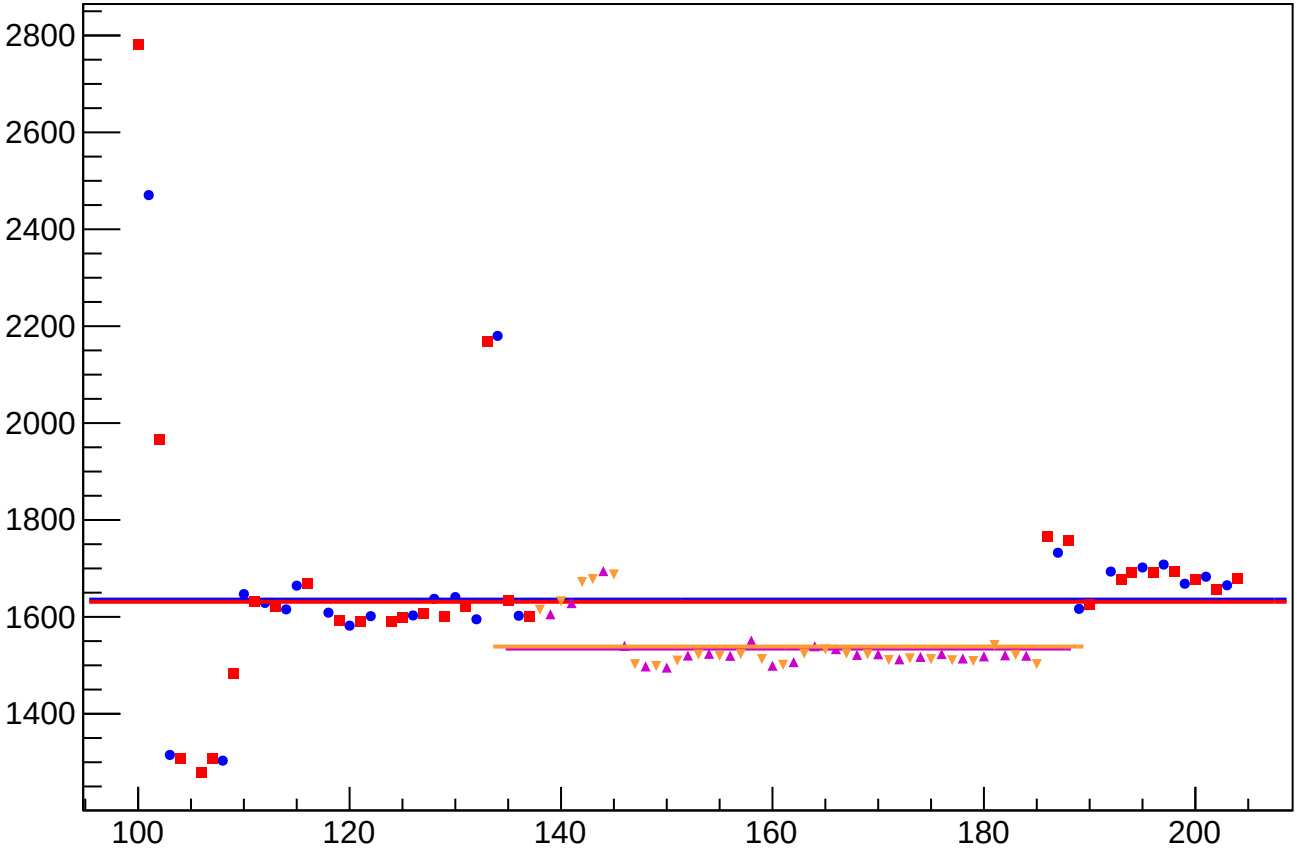
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2224.499+/-276.701 χ^2/NDF: 41.7/48

All: -63.102+/-194.509 χ^2/NDF: 222.1/100

- sign -2297.769+/-273.481 χ^2/NDF: 45.2/51

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1635.646+/-0.320 χ^2/NDF: 335906.7/23

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

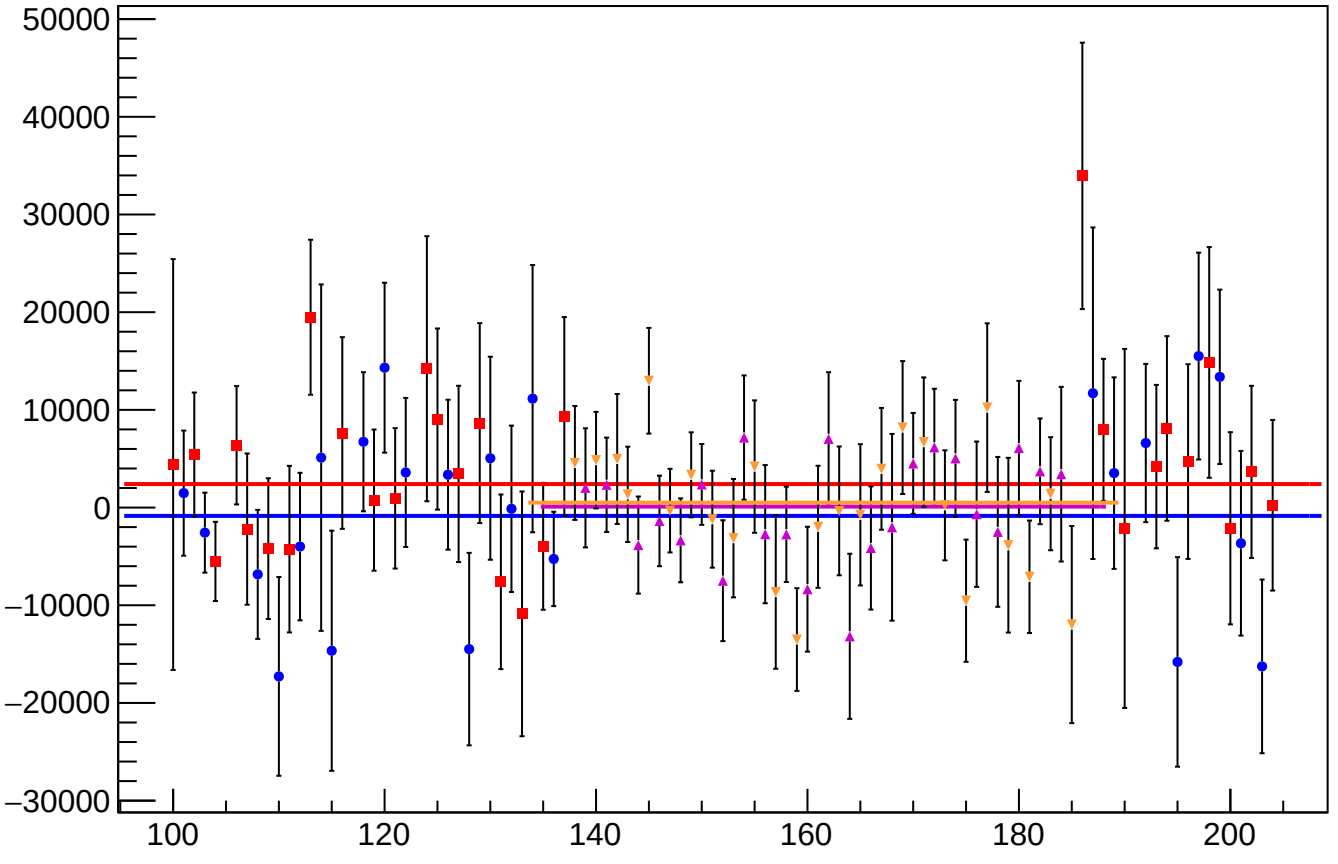
Right Out: 1631.193+/-0.299 χ^2/NDF: 286991.7/28

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1575.039+/-0.196 χ^2/NDF: 440320.7/48

All: 1575.056+/-0.137 χ^2/NDF: 819252.8/100

- sign 1575.073+/-0.193 χ^2/NDF: 378932.1/51



Right In: -852.662+/-1631.142 χ^2/NDF: 25.5/23

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

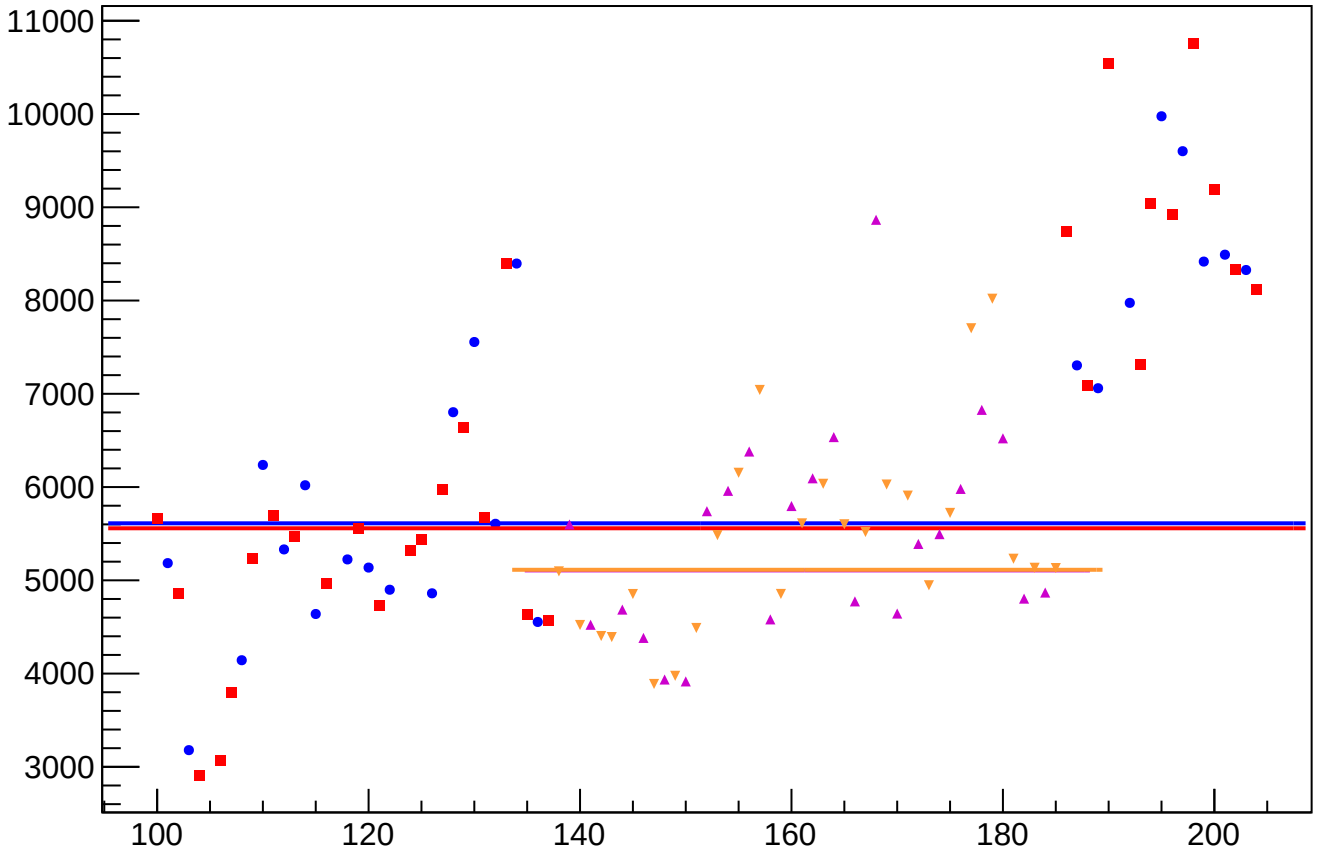
Right Out: 2405.122+/-1529.964 χ^2/NDF: 24.6/28

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 34.043+/-959.929 χ^2/NDF: 52.8/48

All: 516.919+/-676.206 χ^2/NDF: 94.2/100

- sign 992.560+/-952.711 χ^2/NDF: 40.9/51



Right In: 5611.347+/-1.153 χ^2/NDF: 2583680.4/23

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5557.979+/-1.082 χ^2/NDF: 3512527.9/28

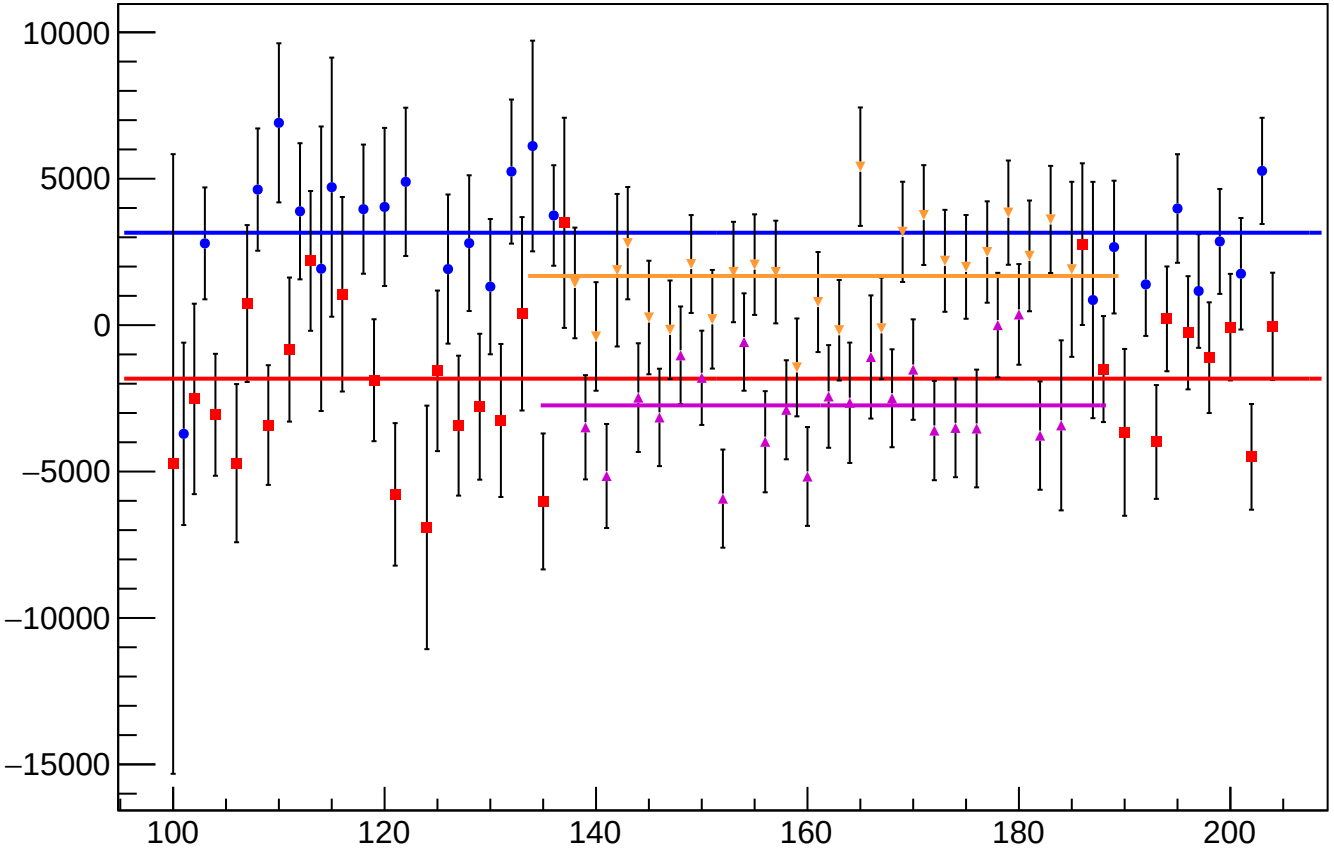
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5285.560+/-0.679 χ^2/NDF: 3864759.9/48

All: 5283.511+/-0.478 χ^2/NDF: 8735610.4/10

- sign 5281.493+/-0.674 χ^2/NDF: 4870832.5/51

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3155.660+/-463.468 χ^2/NDF: 15.3/23

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -1827.818+/-434.332 χ^2/NDF: 28.5/28

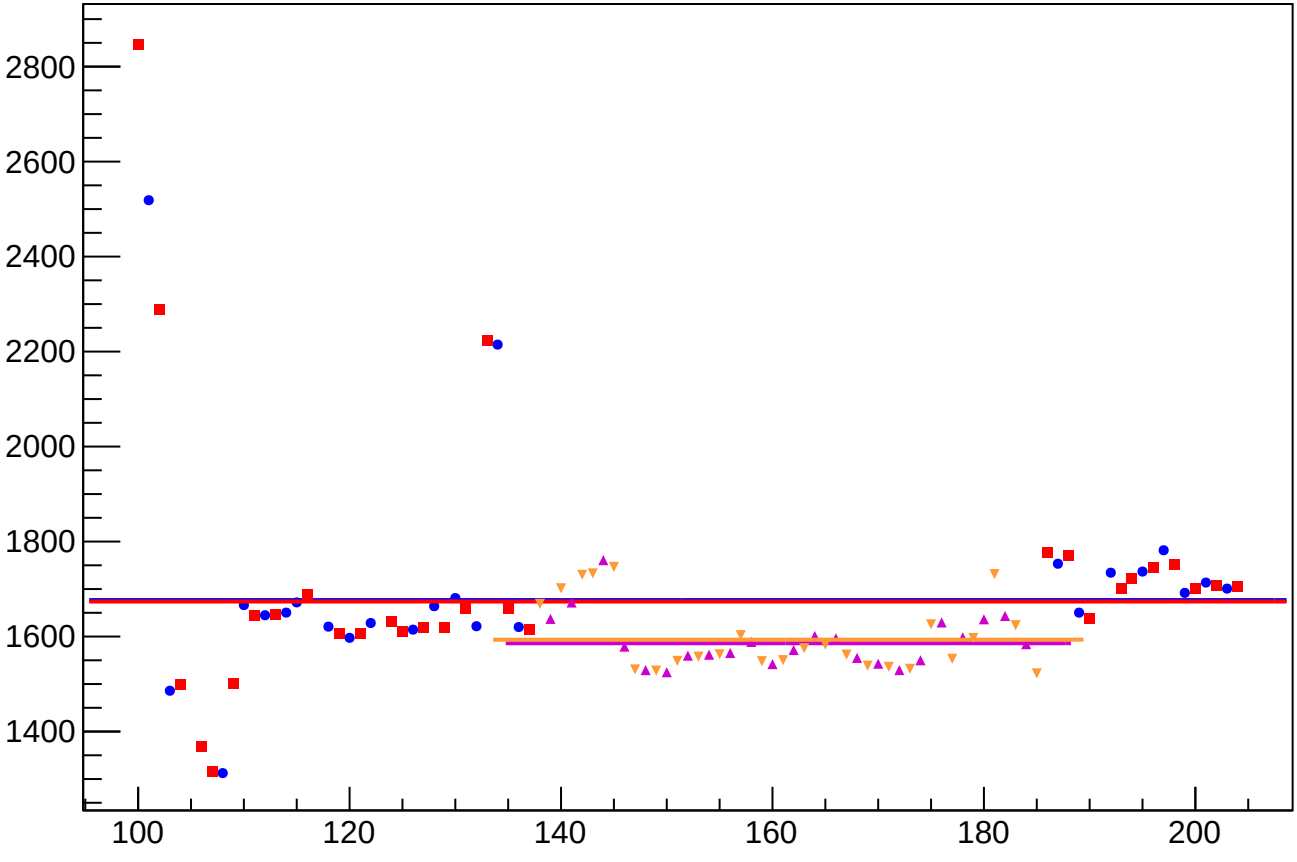
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2239.370+/-285.482 χ^2/NDF: 40.5/48

All: -87.174+/-200.596 χ^2/NDF: 221.9/100

- sign -2356.063+/-281.922 χ^2/NDF: 50.2/51

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1676.792+/-0.328 χ^2/NDF: 292728.6/23

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1673.753+/-0.307 χ^2/NDF: 268180.6/28

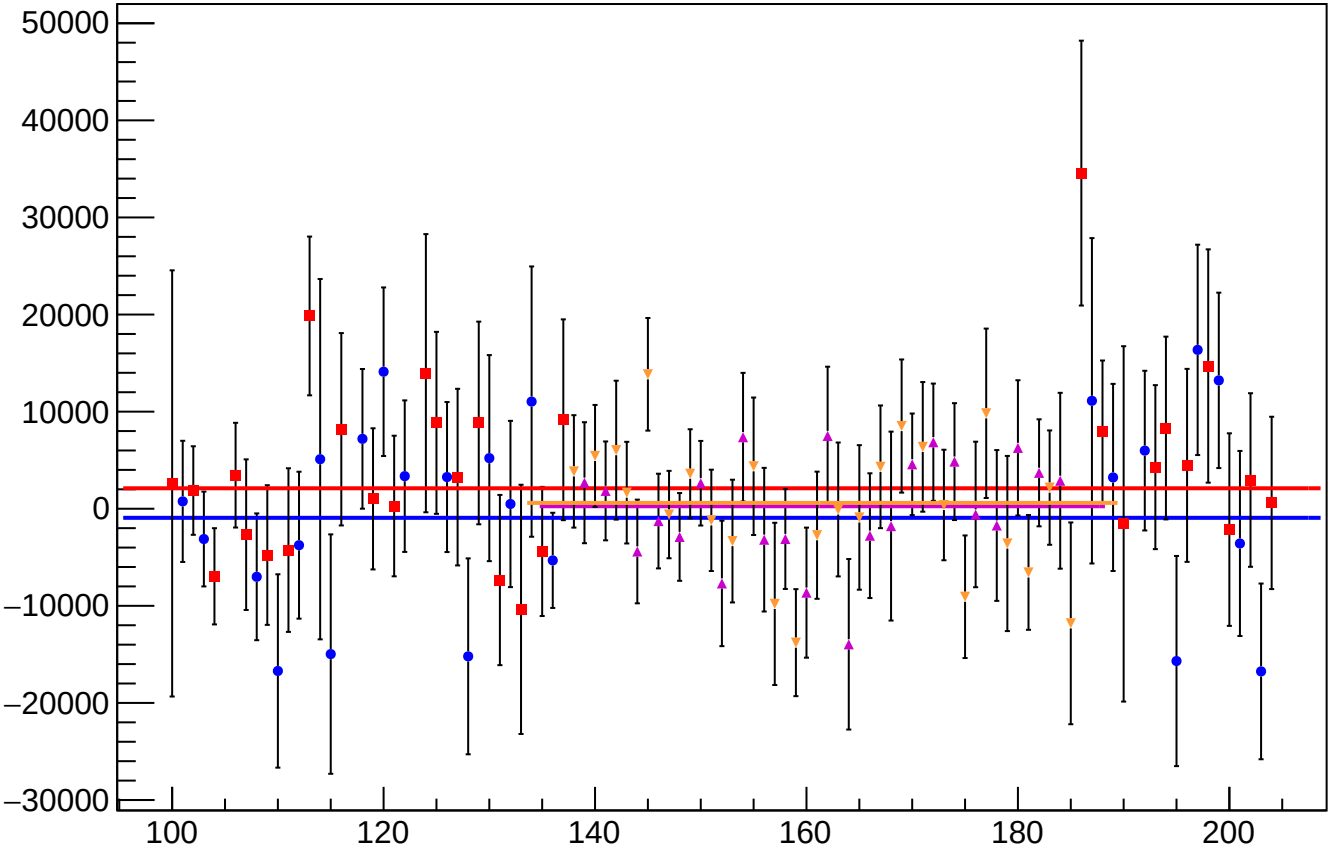
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1625.032+/-0.202 χ^2/NDF: 404799.4/48

All: 1623.975+/-0.142 χ^2/NDF: 762306.4/100

- sign 1622.944+/-0.199 χ^2/NDF: 357452.8/51

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -935.747+/-1679.098 χ^2/NDF: 25.4/23

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 2106.334+/-1521.758 χ^2/NDF: 23.8/28

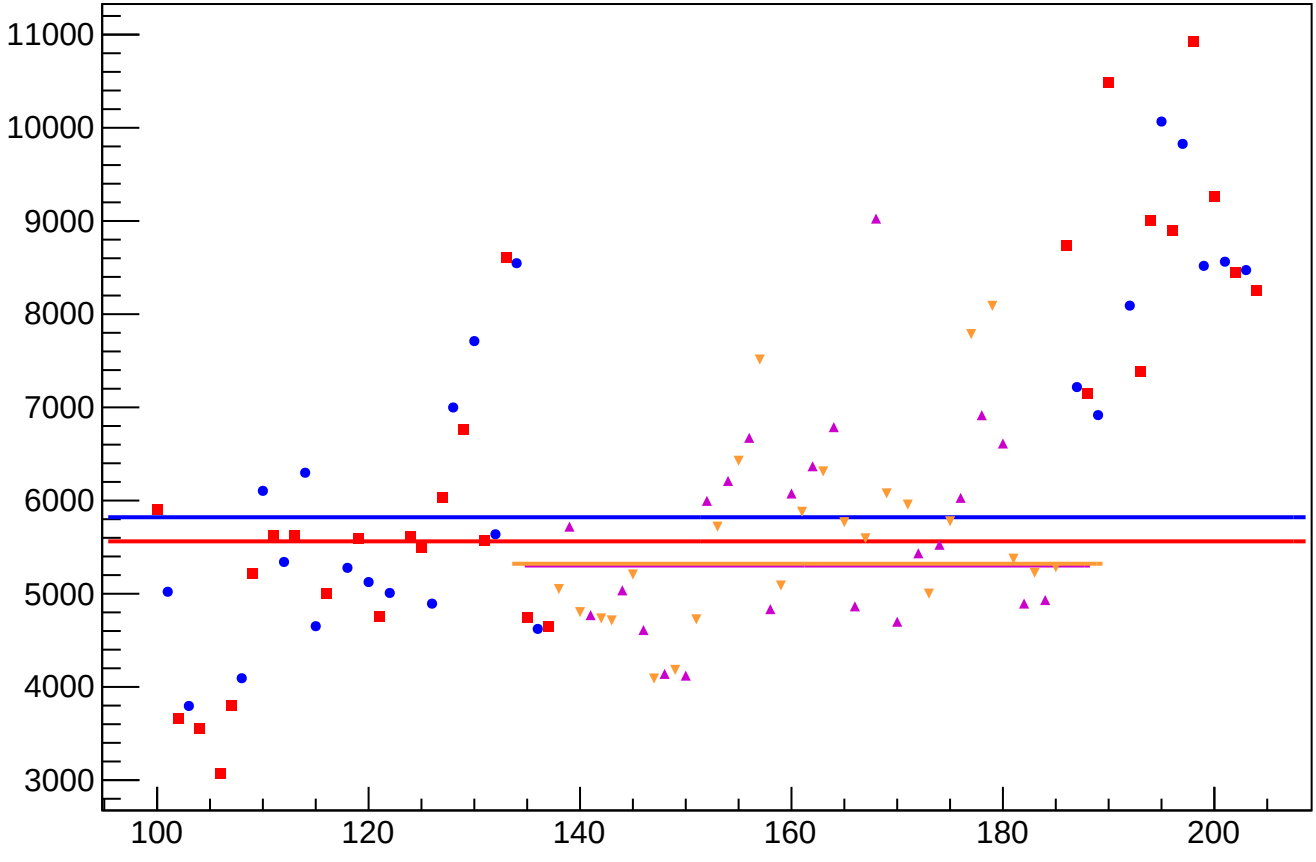
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign 62.856+/-994.121 χ^2/NDF: 52.0/48

All: 547.423+/-694.885 χ^2/NDF: 91.8/100

\- sign 1010.373+/-971.694 χ^2/NDF: 39.4/51

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5821.008+/-1.187 χ^2/NDF: 2197865.9/23

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5562.230+/-1.076 χ^2/NDF: 3433194.5/28

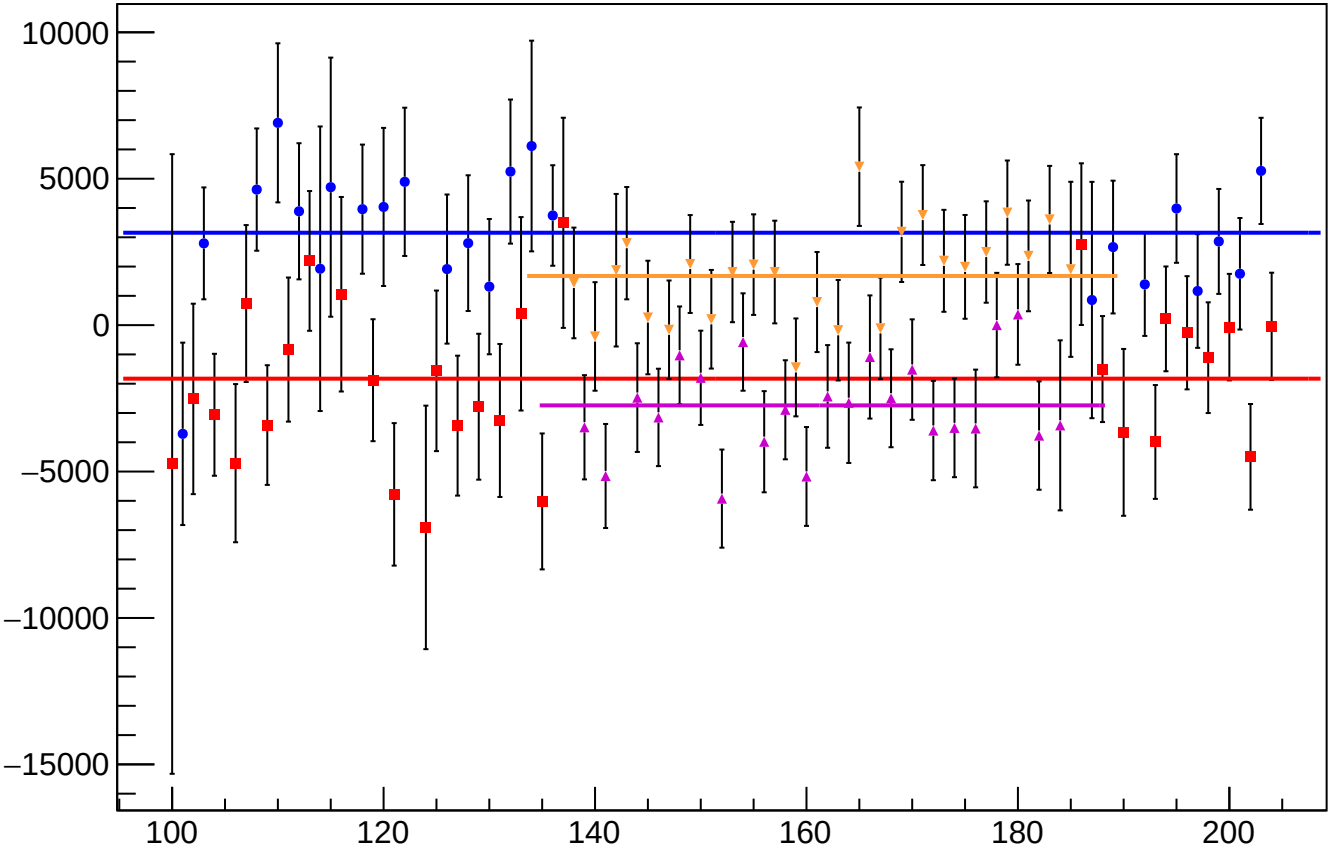
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5496.889+/-0.703 χ^2/NDF: 3349618.5/48

All: 5451.740+/-0.491 χ^2/NDF: 7977669.5/10

- sign 5408.605+/-0.687 χ^2/NDF: 4619984.7/51

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3155.658+/-463.468 χ^2/NDF: 15.3/23

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1827.818+/-434.332 χ^2/NDF: 28.5/28

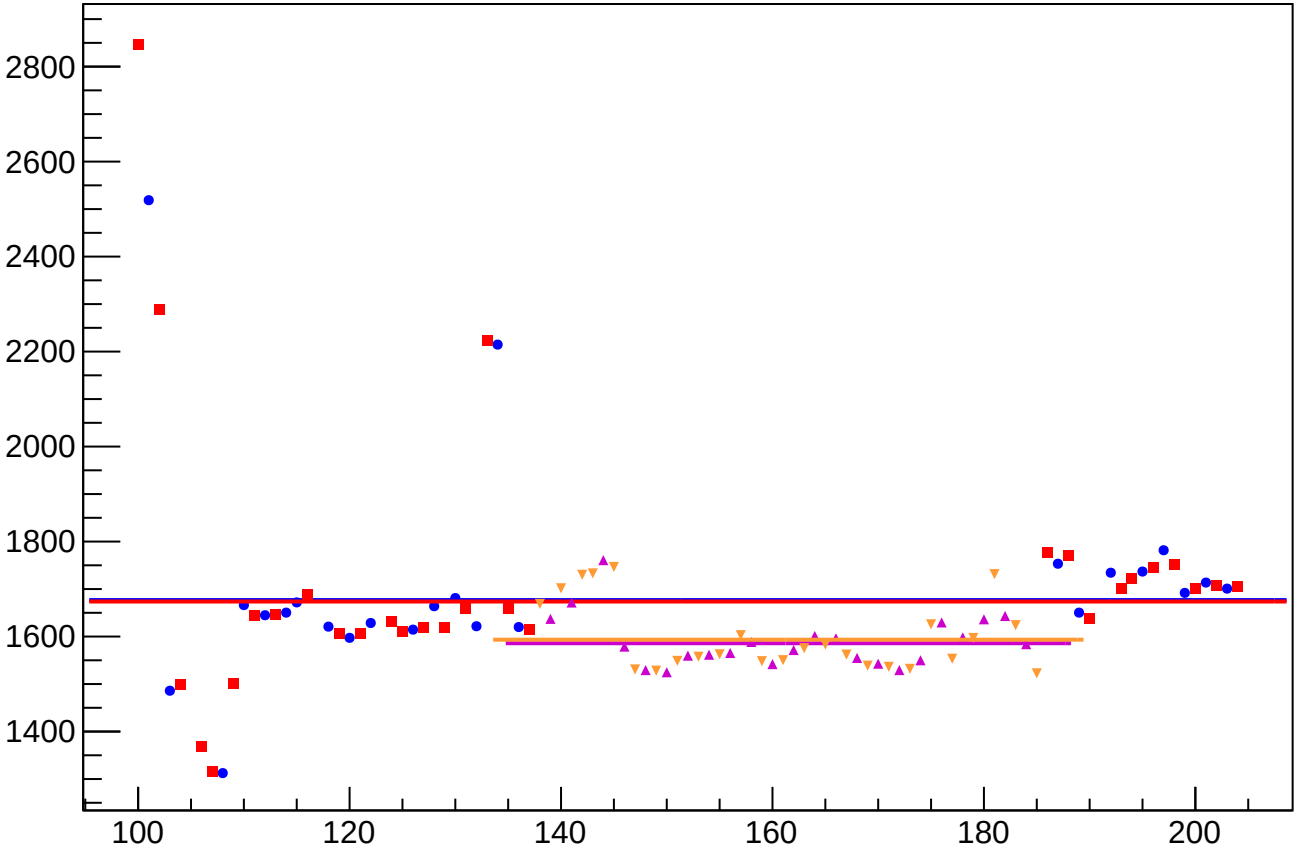
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2239.365+/-285.482 χ^2/NDF: 40.5/48

All: -87.176+/-200.596 χ^2/NDF: 221.9/100

- sign -2356.063+/-281.922 χ^2/NDF: 50.2/51

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1676.791+/-0.328 χ^2/NDF: 292728.9/23

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

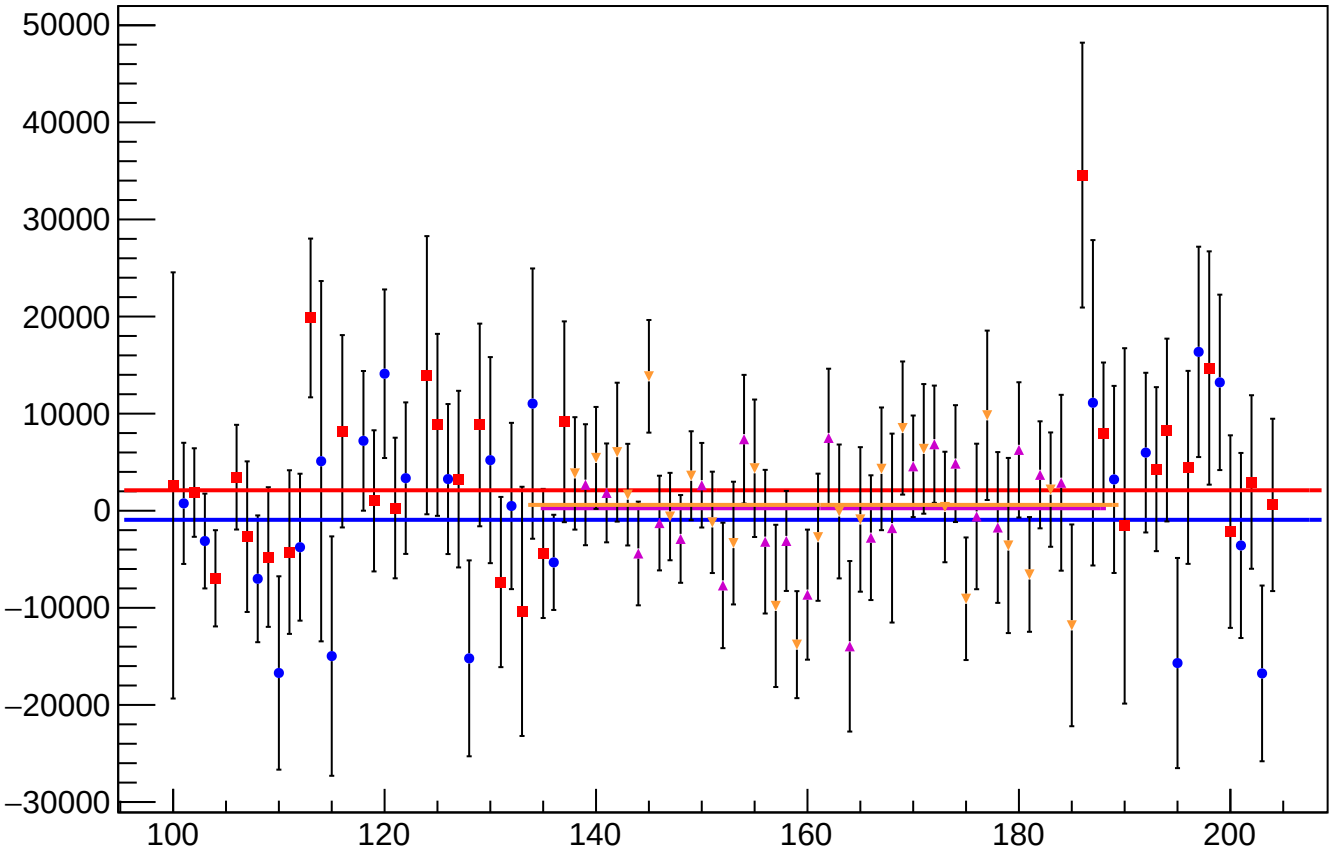
Right Out: 1673.753+/-0.307 χ^2/NDF: 268180.6/28

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1625.033+/-0.202 χ^2/NDF: 404798.4/48

All: 1623.976+/-0.142 χ^2/NDF: 762304.2/100

- sign 1622.945+/-0.199 χ^2/NDF: 357451.6/51



Right In: -935.736+/-1679.097 χ^2/NDF: 25.4/23

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

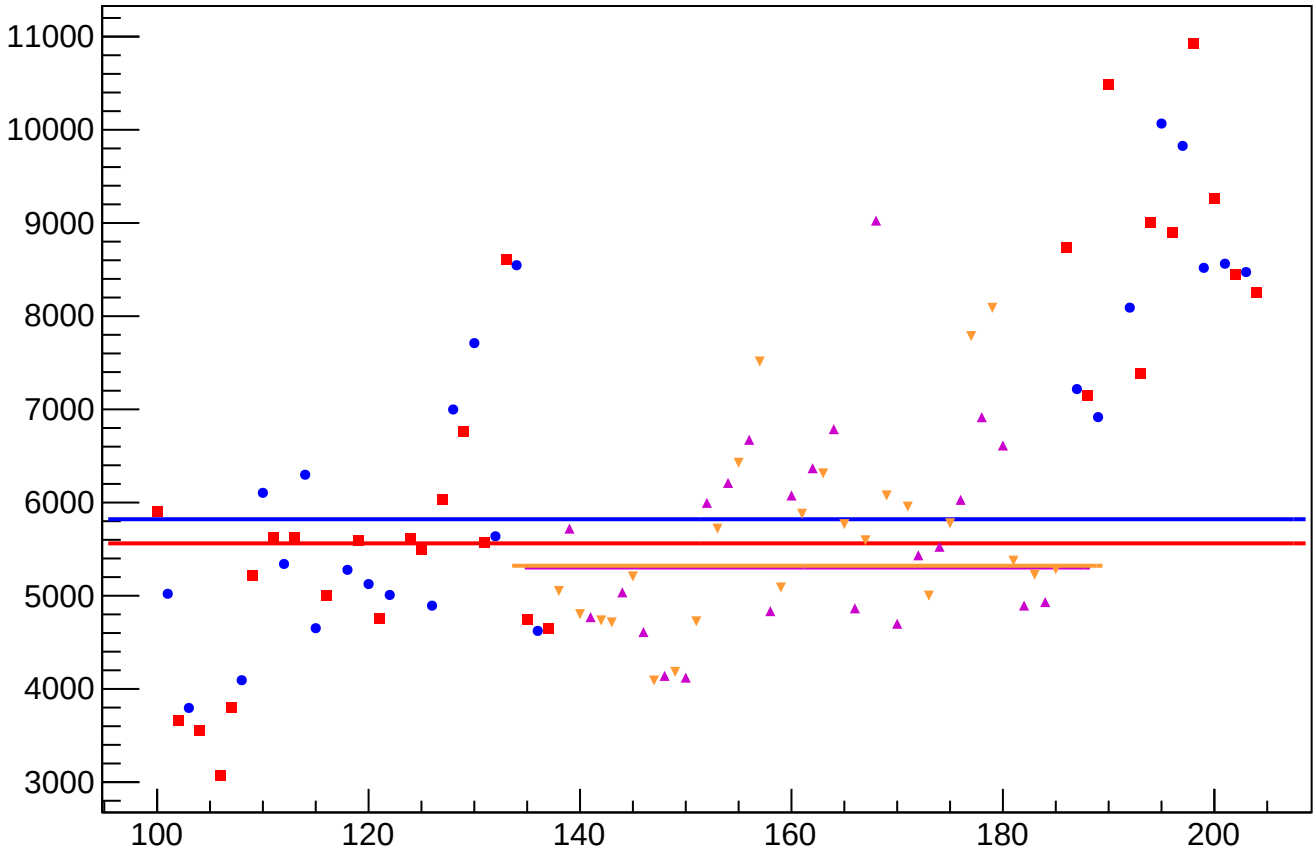
Right Out: 2106.332+/-1521.756 χ^2/NDF: 23.8/28

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

\+ sign 62.855+/-994.122 χ^2/NDF: 52.0/48

All: 547.424+/-694.885 χ^2/NDF: 91.8/100

\- sign 1010.376+/-971.695 χ^2/NDF: 39.4/51



Right In: 5821.002+/-1.187 χ^2/NDF: 2197874.1/23

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

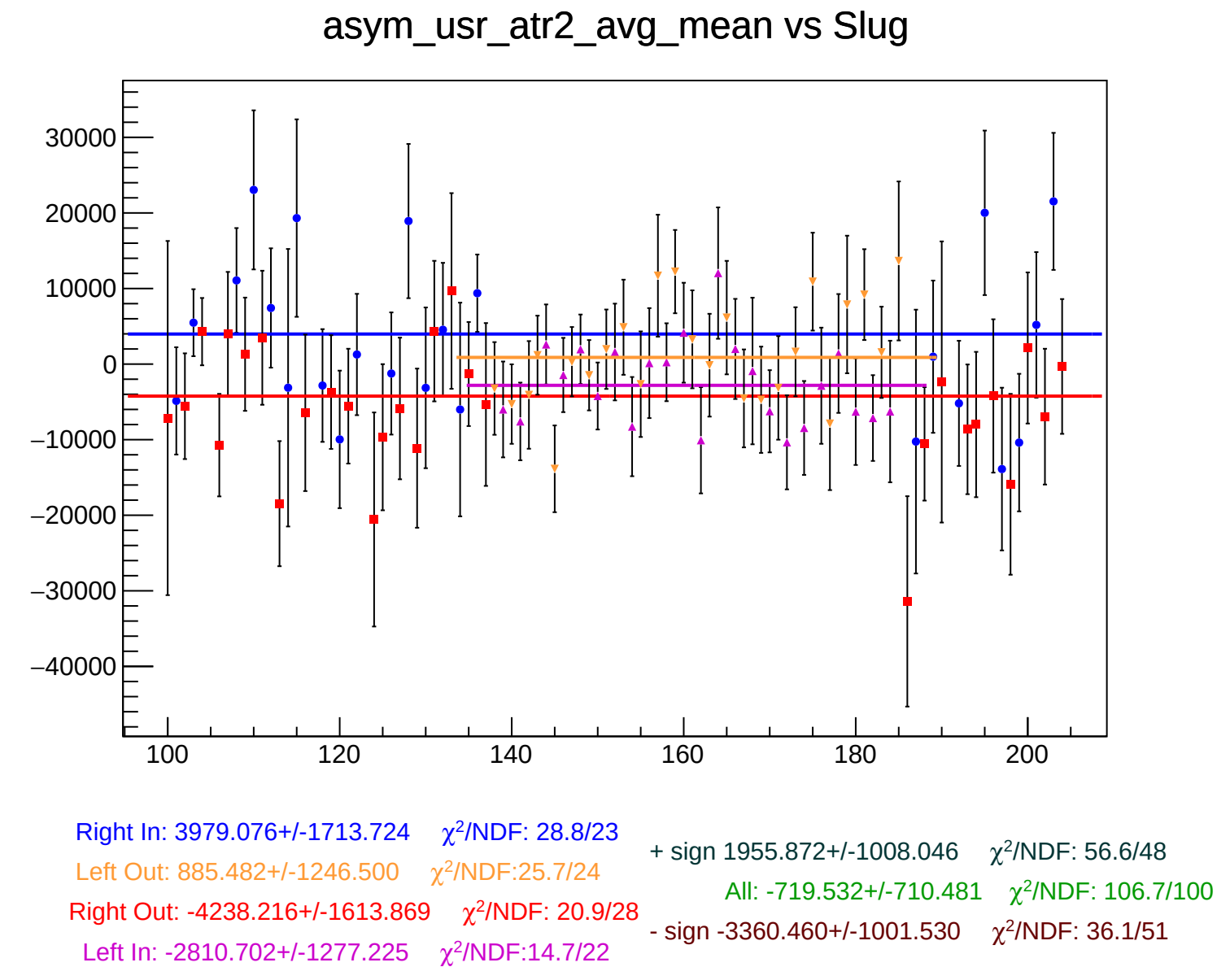
Right Out: 5562.223+/-1.076 χ^2/NDF: 3433205.2/28

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

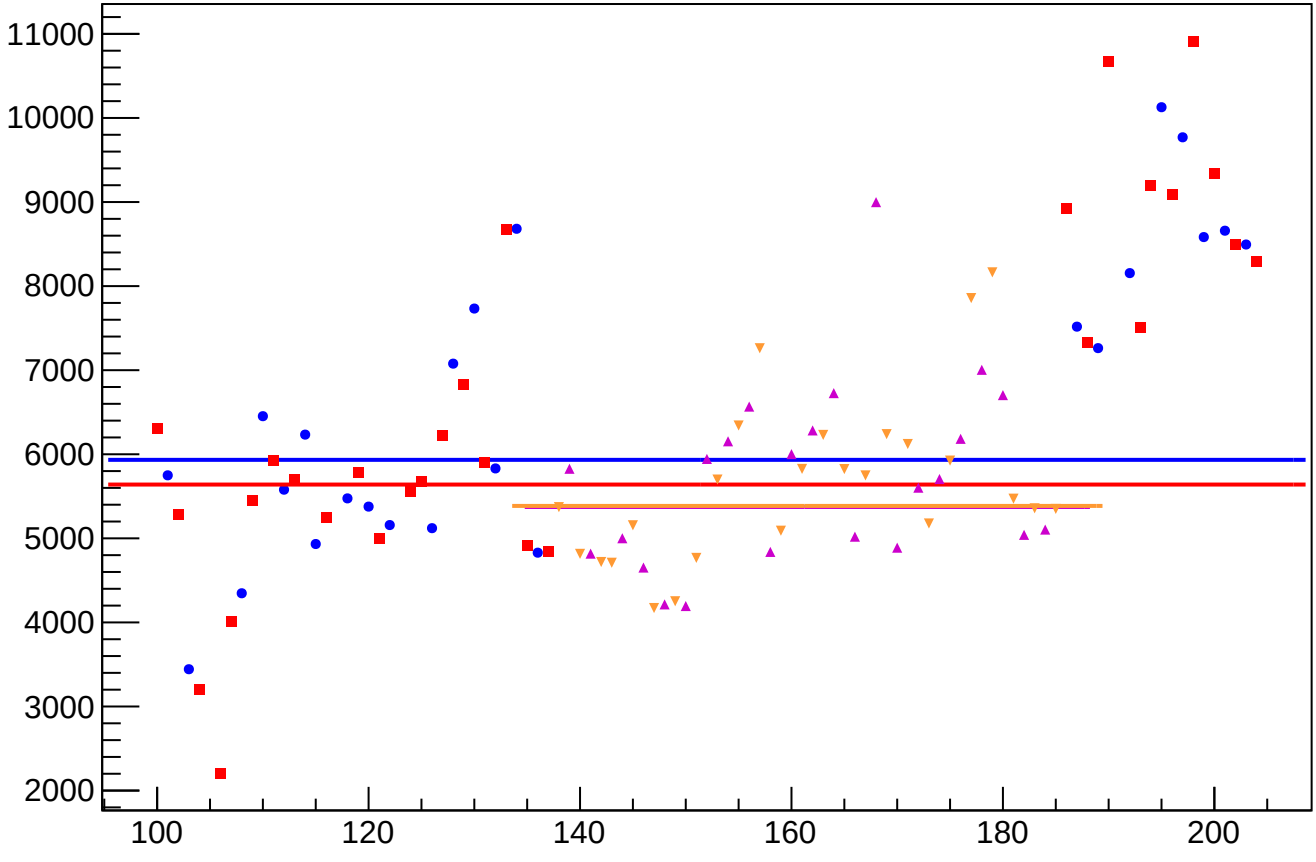
+ sign 5496.894+/-0.703 χ^2/NDF: 3349622.0/48

All: 5451.744+/-0.491 χ^2/NDF: 7977683.9/10

- sign 5408.608+/-0.687 χ^2/NDF: 4619995.3/51


asym_usr_atr2_avg_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 3979.076+/-1713.724 χ²/NDF: 28.8/23
Left Out: 885.482+/-1246.500 χ²/NDF:25.7/24
Right Out: -4238.216+/-1613.869 χ²/NDF: 20.9/28
Left In: -2810.702+/-1277.225 χ²/NDF:14.7/22
+ sign 1955.872+/-1008.046 χ²/NDF: 56.6/48
All: -719.532+/-710.481 χ²/NDF: 106.7/100
- sign -3360.460+/-1001.530 χ²/NDF: 36.1/51

asym_usr_atr2_avg_rms vs Slug



Right In: 5933.608+/-1.212 χ^2/NDF: 2299394.6/23

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 5639.750+/-1.109 χ^2/NDF: 3940420.6/28

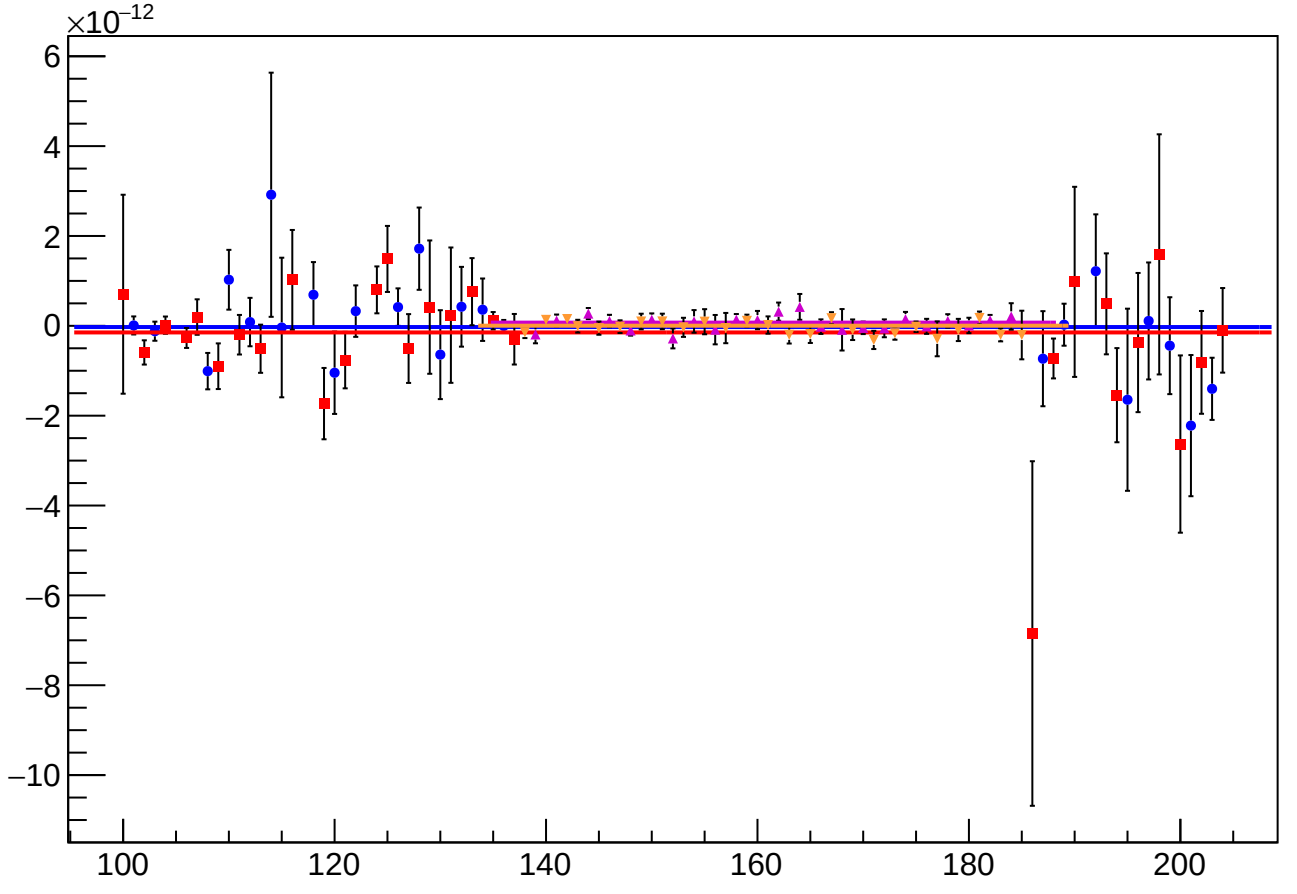
Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5575.247+/-0.713 χ^2/NDF: 3420209.4/48

All: 5526.435+/-0.500 χ^2/NDF: 8476502.5/10

- sign 5479.336+/-0.700 χ^2/NDF: 5047078.9/51

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

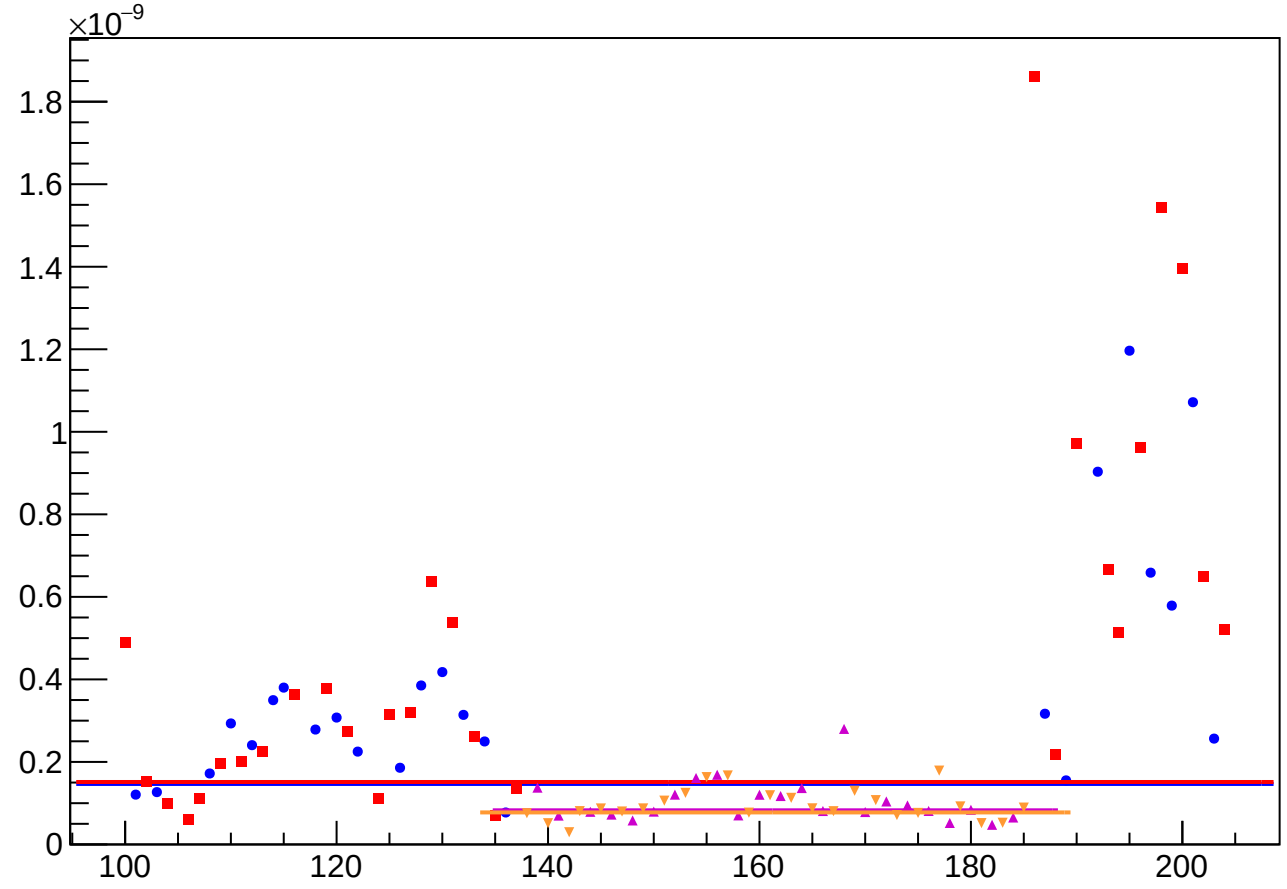
Right Out: -0.000+/-0.000 χ^2/NDF: 34.8/28

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.7/48

All: 0.000+/-0.000 χ^2/NDF: 101.9/100

- sign 0.000+/-0.000 χ^2/NDF: 56.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 4080066.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5858501.2/28

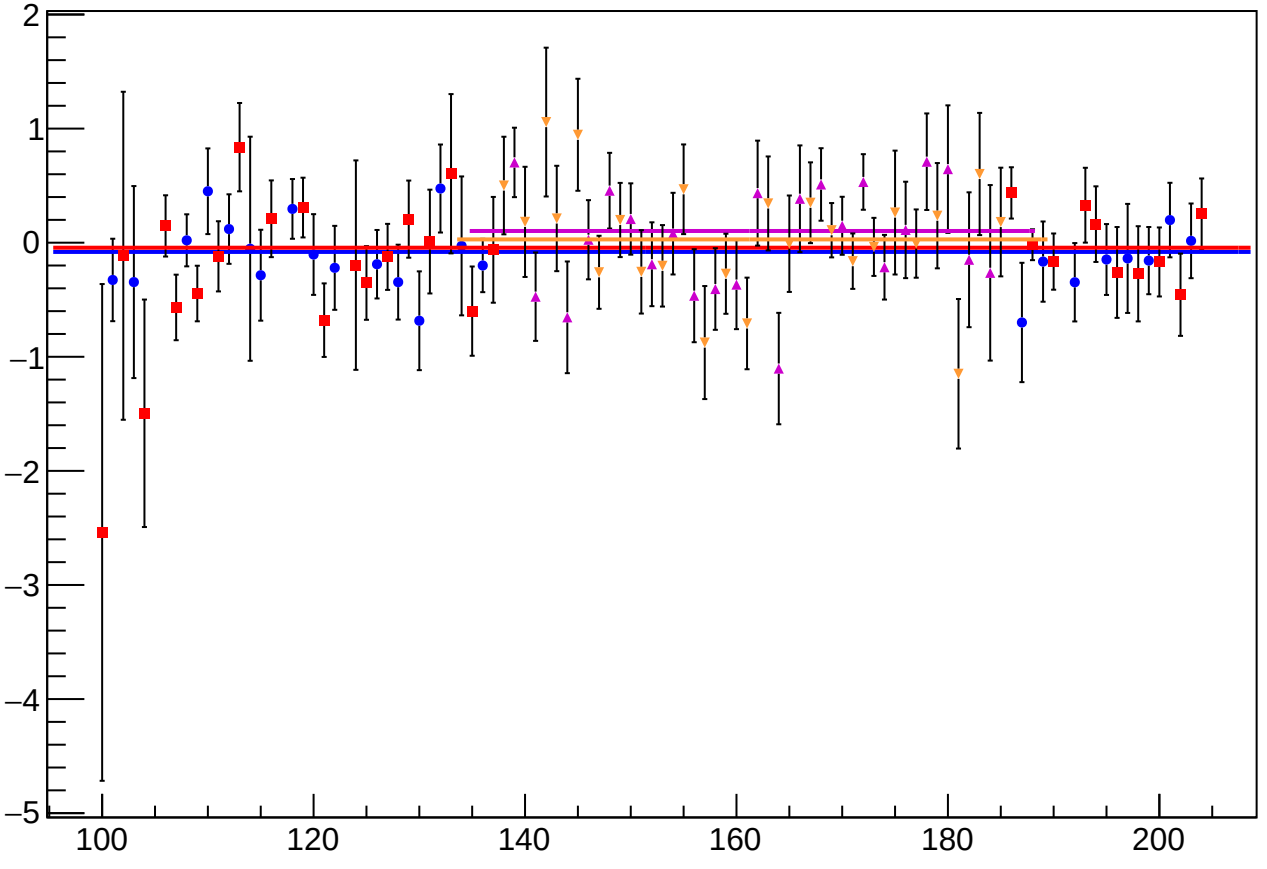
Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6920148.3/48

All: 0.000+/-0.000 χ^2/NDF: 15459451.0/100

- sign 0.000+/-0.000 χ^2/NDF: 8505196.4/51

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.081+/-0.070 χ^2/NDF: 13.7/23

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.044+/-0.058 χ^2/NDF: 35.5/28

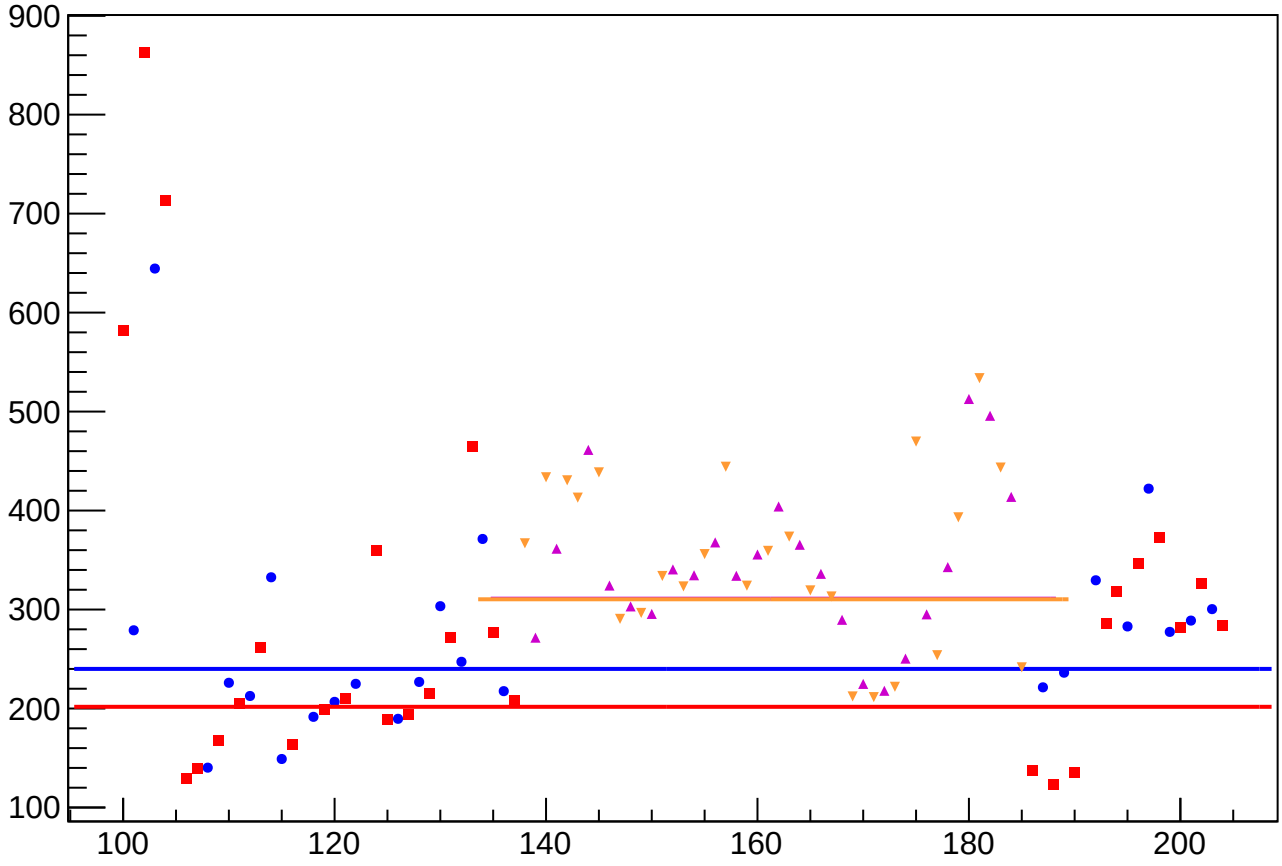
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.029+/-0.051 χ^2/NDF: 40.2/48

All: -0.008+/-0.034 χ^2/NDF: 110.6/100

- sign 0.010+/-0.046 χ^2/NDF: 70.1/51

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 240.023+/-0.050 χ^2/NDF: 1925343.1/23

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

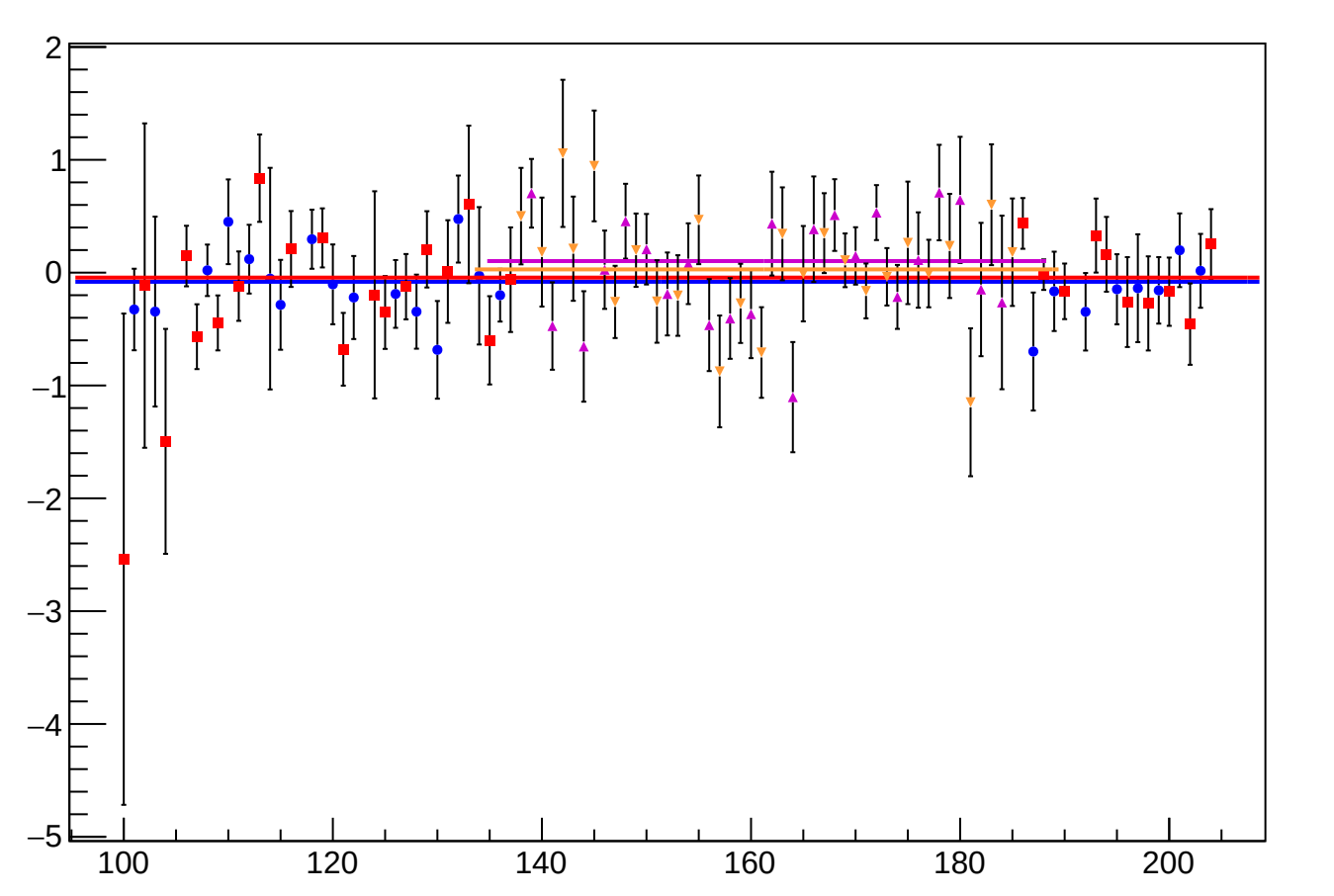
Right Out: 201.730+/-0.041 χ^2/NDF: 4326155.7/28

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 273.096+/-0.036 χ^2/NDF: 5228644.4/48

All: 255.965+/-0.024 χ^2/NDF: 14154085.9/10

- sign 241.968+/-0.033 χ^2/NDF: 8518631.4/51



Right In: -0.081+/-0.070 χ^2/NDF: 13.7/23

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

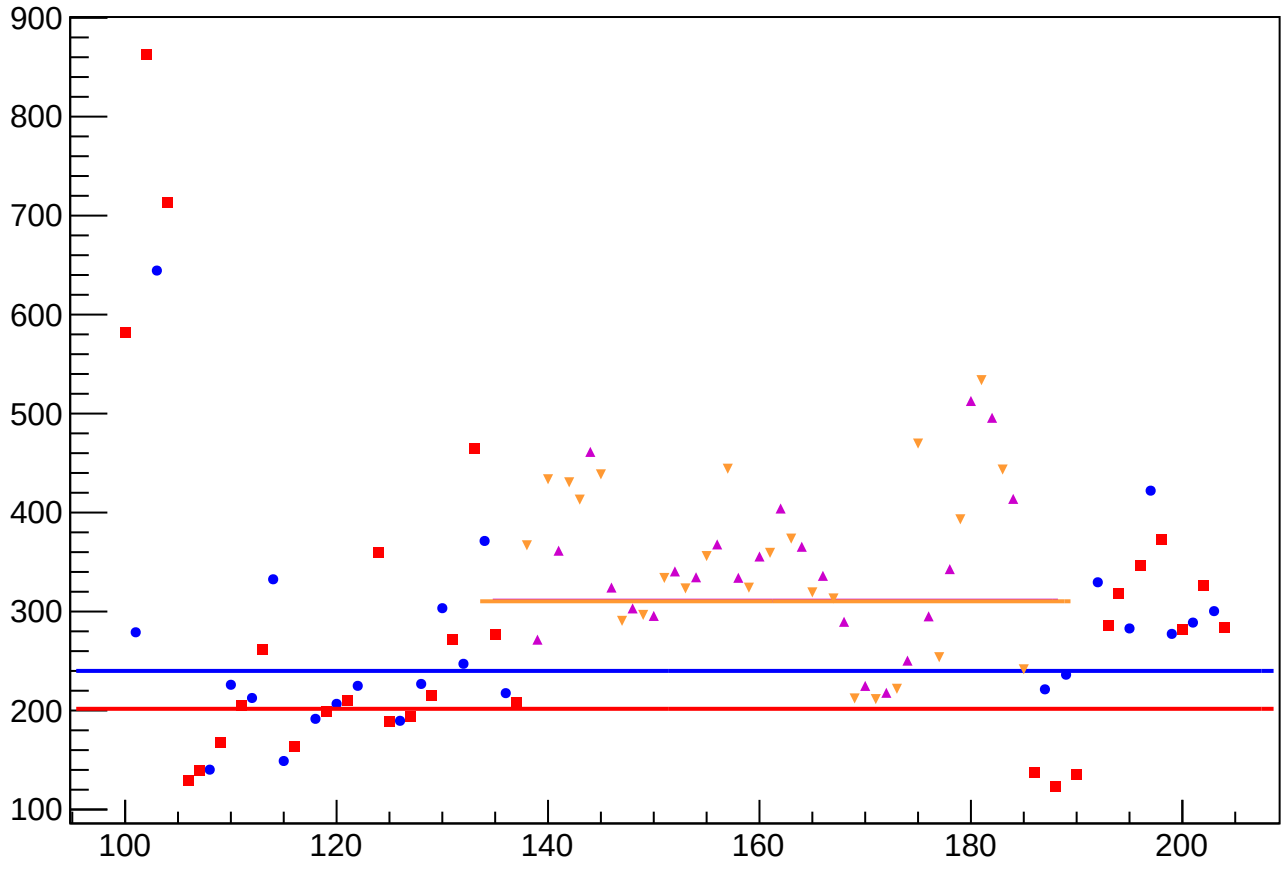
Right Out: -0.044+/-0.058 χ^2/NDF: 35.5/28

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.029+/-0.051 χ^2/NDF: 40.2/48

All: -0.008+/-0.034 χ^2/NDF: 110.6/100

- sign 0.010+/-0.046 χ^2/NDF: 70.1/51



Right In: 240.023+/-0.050 χ^2/NDF: 1925343.1/23

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

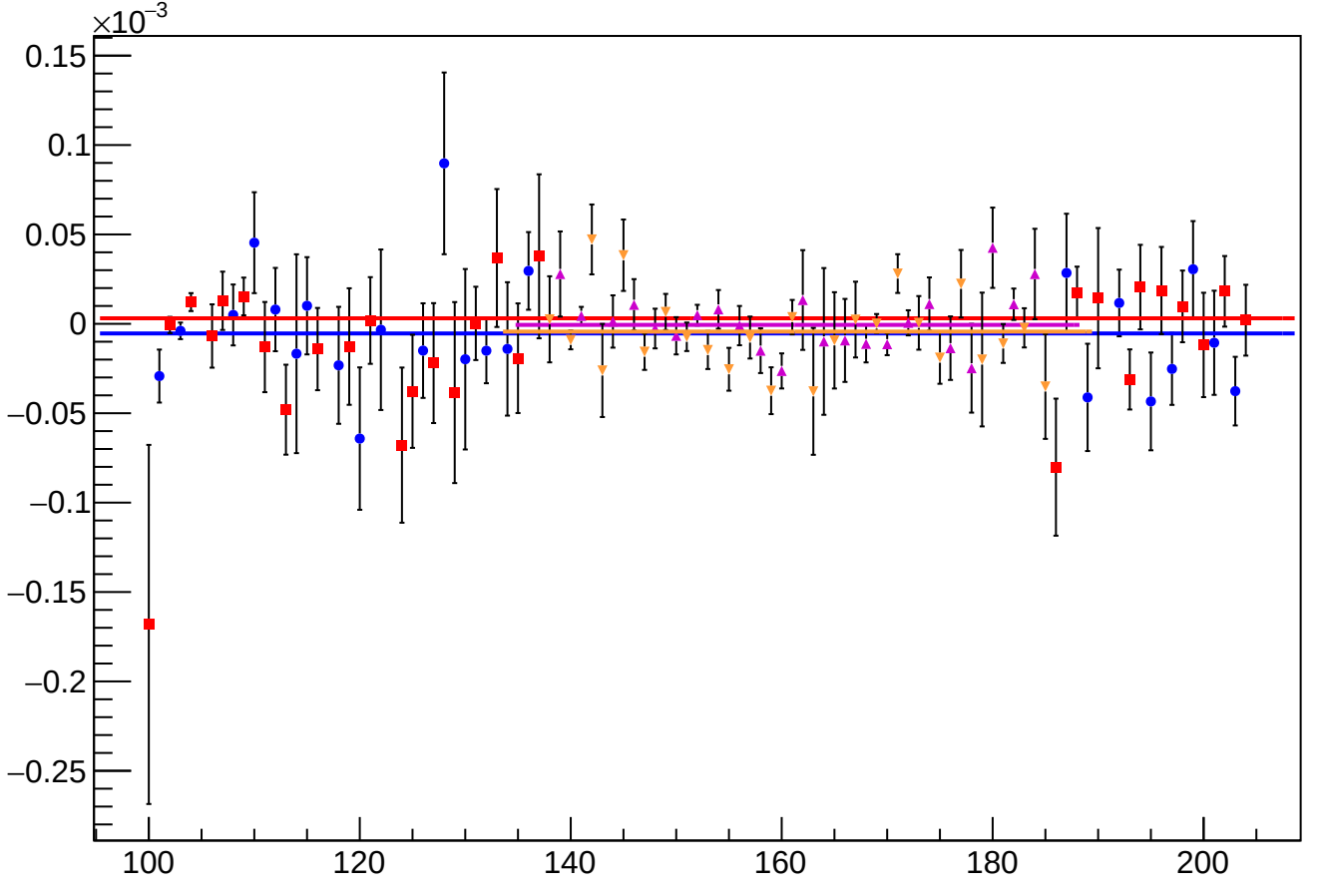
Right Out: 201.730+/-0.041 χ^2/NDF: 4326155.7/28

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 273.096+/-0.036 χ^2/NDF: 5228644.4/48

All: 255.965+/-0.024 χ^2/NDF: 14154085.9/10

- sign 241.968+/-0.033 χ^2/NDF: 8518631.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 27.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

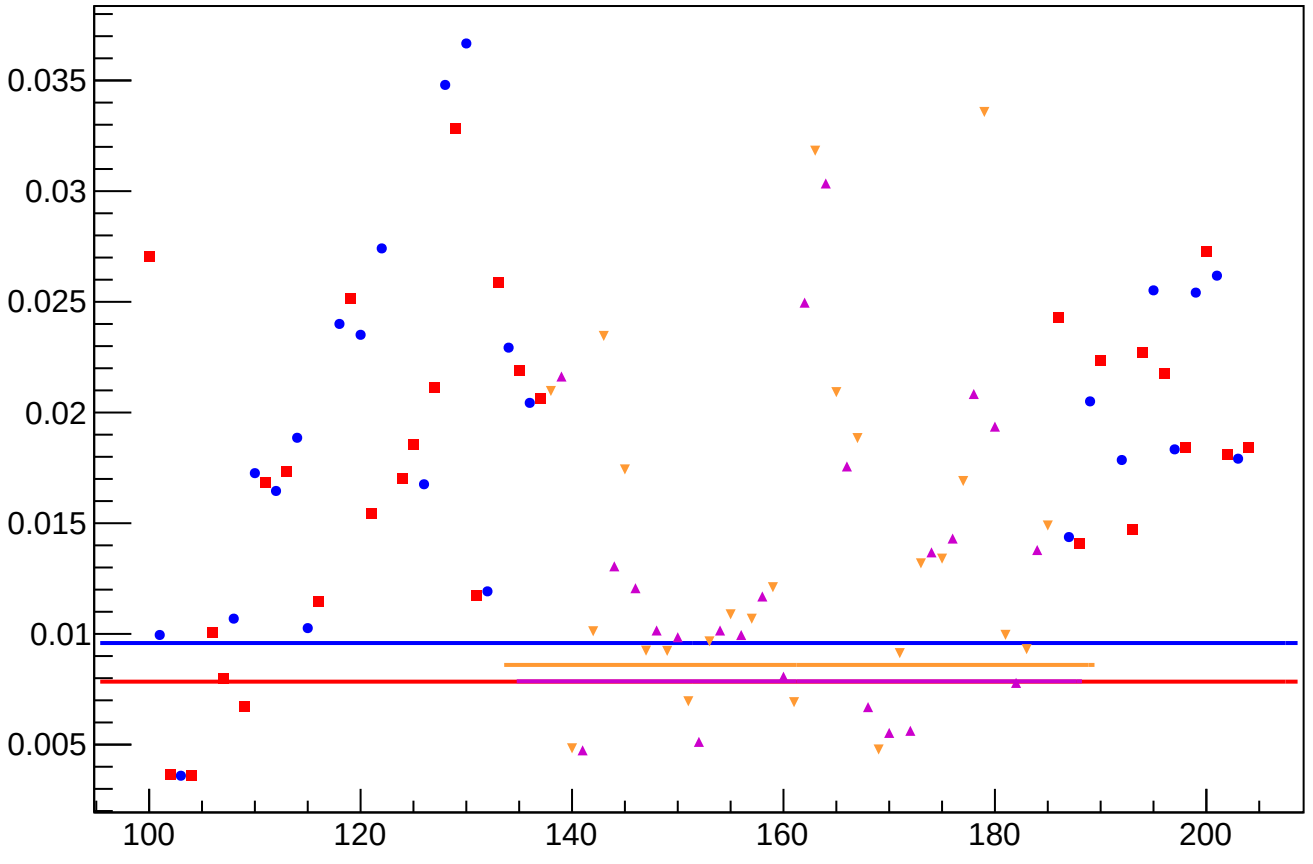
Right Out: 0.000+/-0.000 χ^2/NDF: 33.4/28

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.3/48

All: -0.000+/-0.000 χ^2/NDF: 135.2/100

- sign 0.000+/-0.000 χ^2/NDF: 61.1/51



Right In: 0.010+/-0.000 χ^2/NDF: 10170418.6/23

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

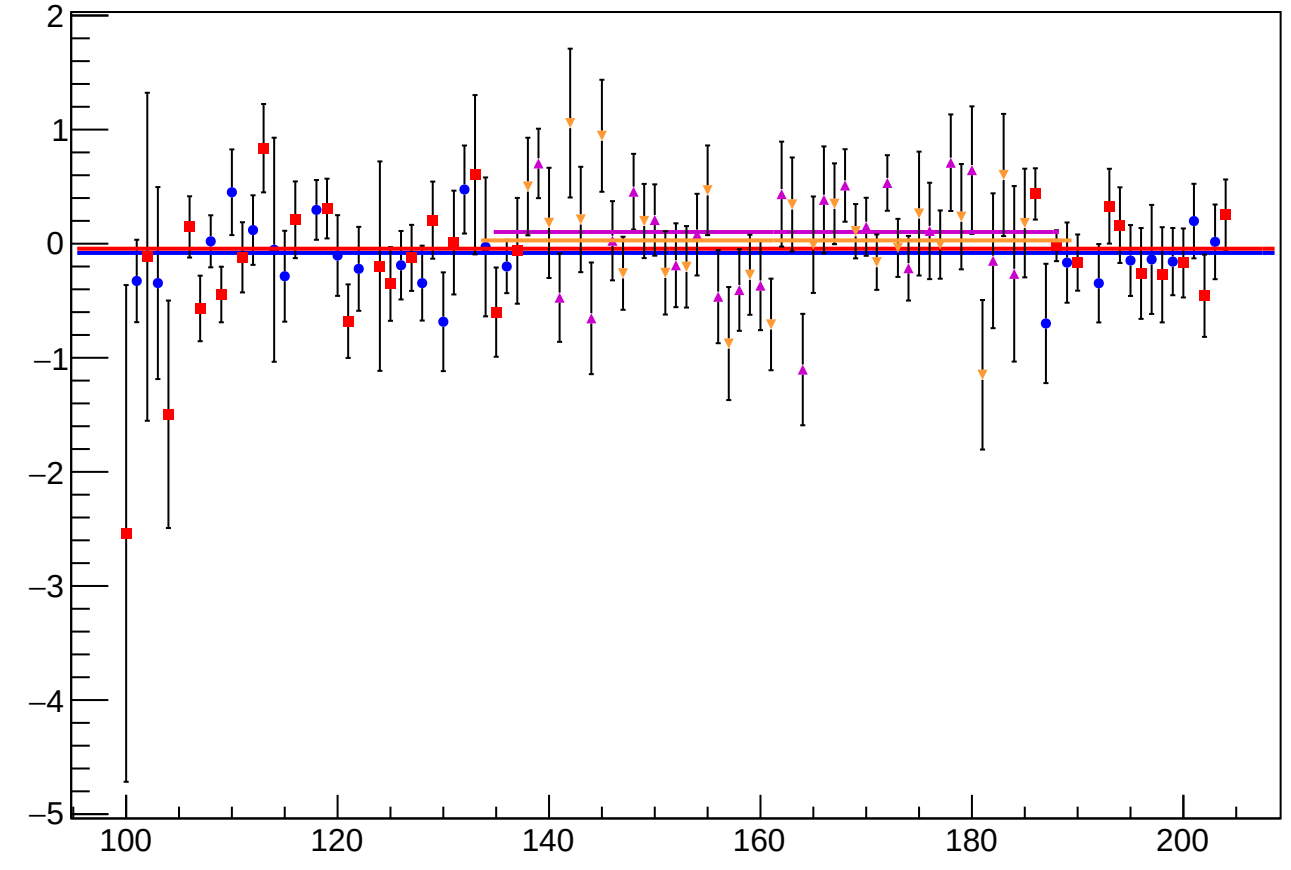
Right Out: 0.008+/-0.000 χ^2/NDF: 12119286.1/28

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 17938902.7/48

All: 0.008+/-0.000 χ^2/NDF: 37178621.3/100

- sign 0.008+/-0.000 χ^2/NDF: 18899145.8/51



Right In: -0.081+/-0.070 χ^2/NDF: 13.7/23

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

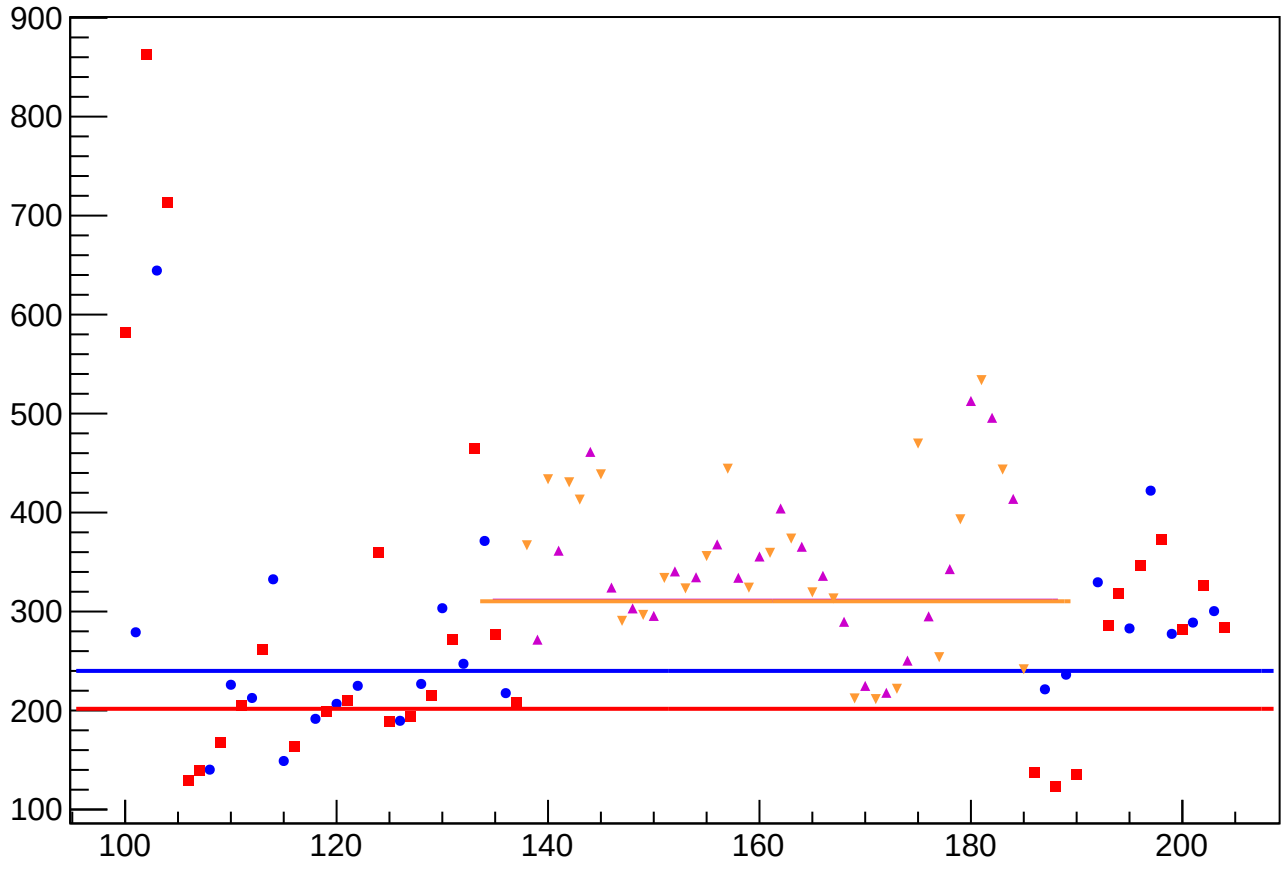
Right Out: -0.044+/-0.058 χ^2/NDF: 35.5/28

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.029+/-0.051 χ^2/NDF: 40.2/48

All: -0.008+/-0.034 χ^2/NDF: 110.6/100

- sign 0.010+/-0.046 χ^2/NDF: 70.1/51



Right In: 240.023+/-0.050 χ^2/NDF: 1925340.3/23

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

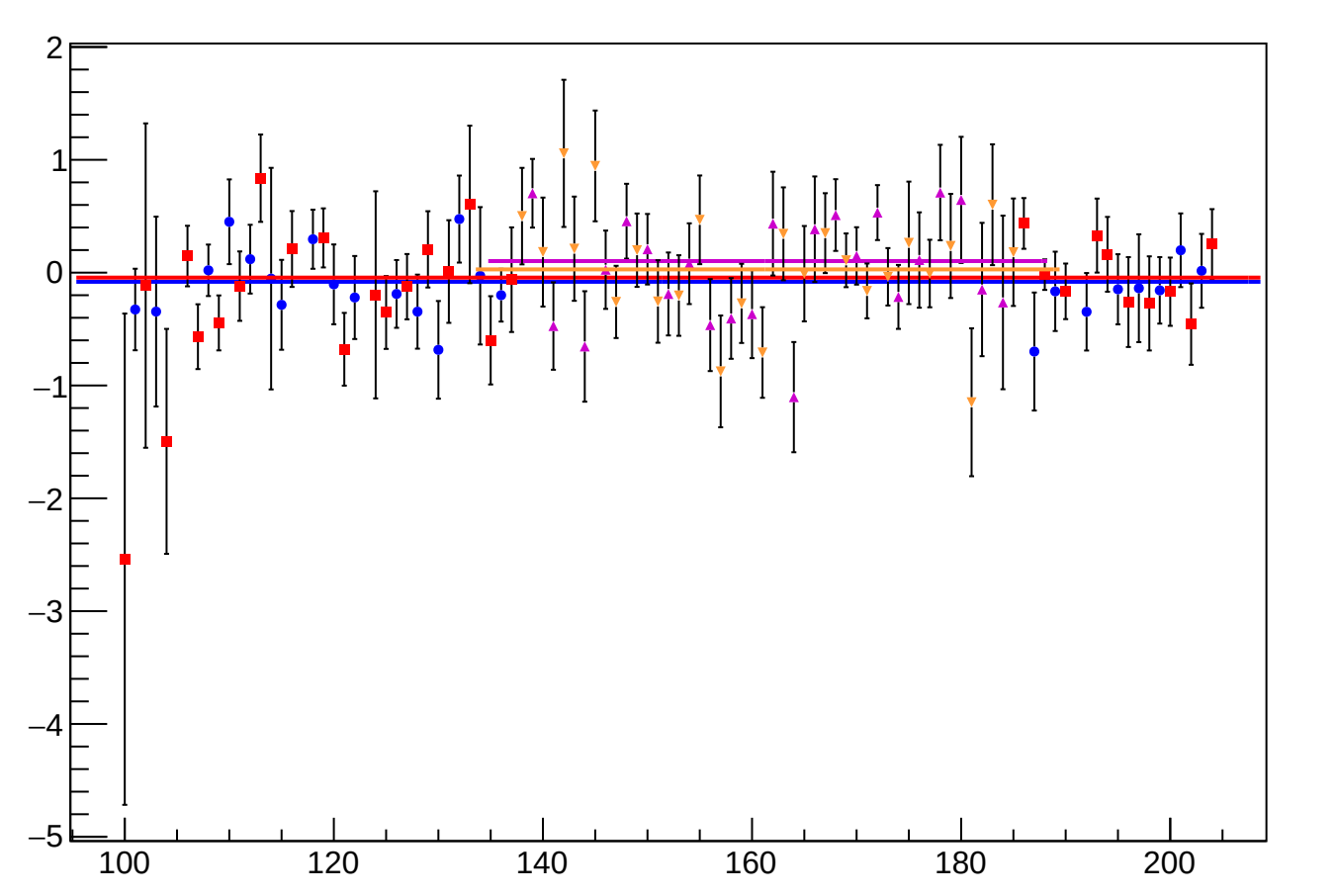
Right Out: 201.728+/-0.041 χ^2/NDF: 4326323.8/28

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 273.097+/-0.036 χ^2/NDF: 5228797.1/48

All: 255.965+/-0.024 χ^2/NDF: 14154758.4/10

- sign 241.967+/-0.033 χ^2/NDF: 8519095.6/51



Right In: -0.081+/-0.070 χ^2/NDF: 13.7/23

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

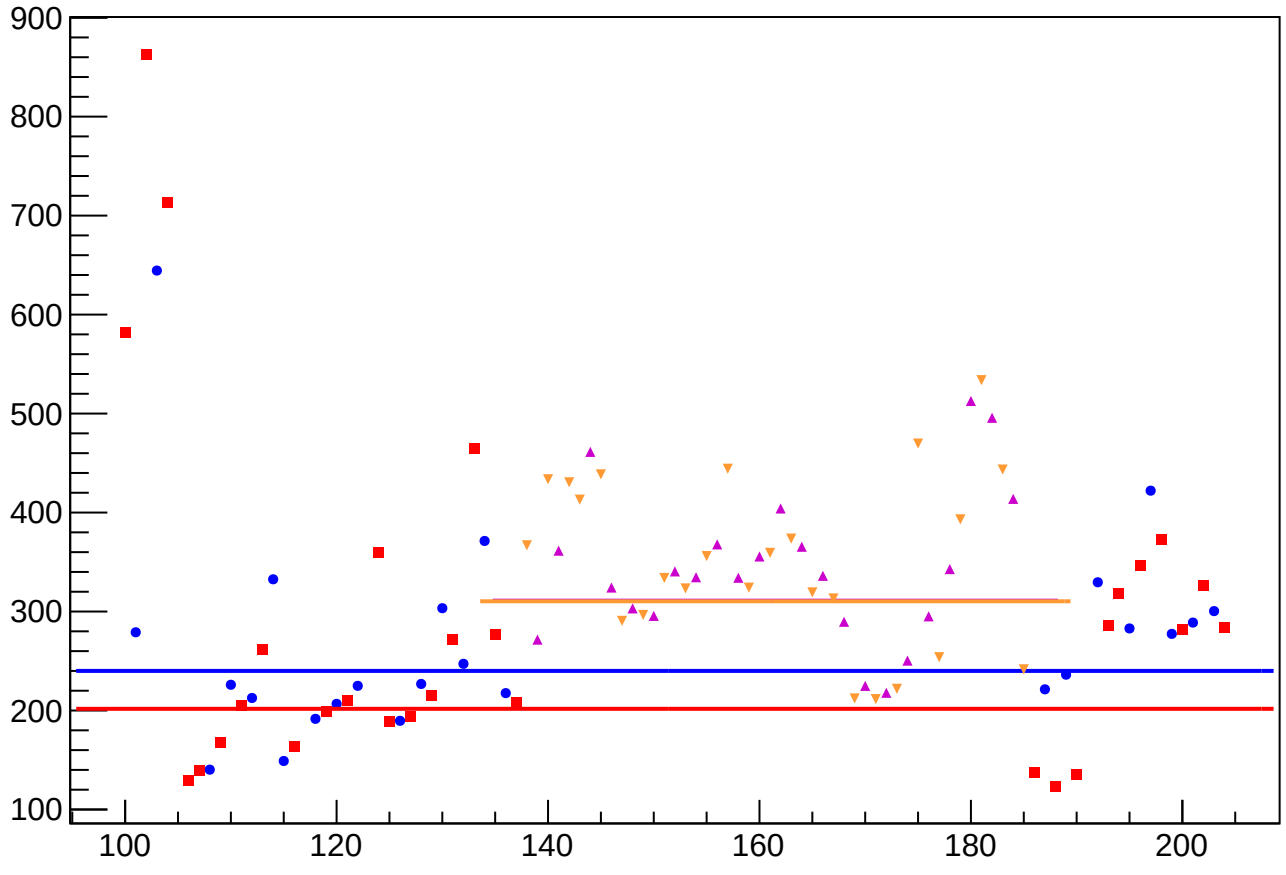
Right Out: -0.044+/-0.058 χ^2/NDF: 35.5/28

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.029+/-0.051 χ^2/NDF: 40.2/48

All: -0.008+/-0.034 χ^2/NDF: 110.6/100

- sign 0.010+/-0.046 χ^2/NDF: 70.1/51



Right In: 240.023+/-0.050 χ^2/NDF: 1925340.3/23

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

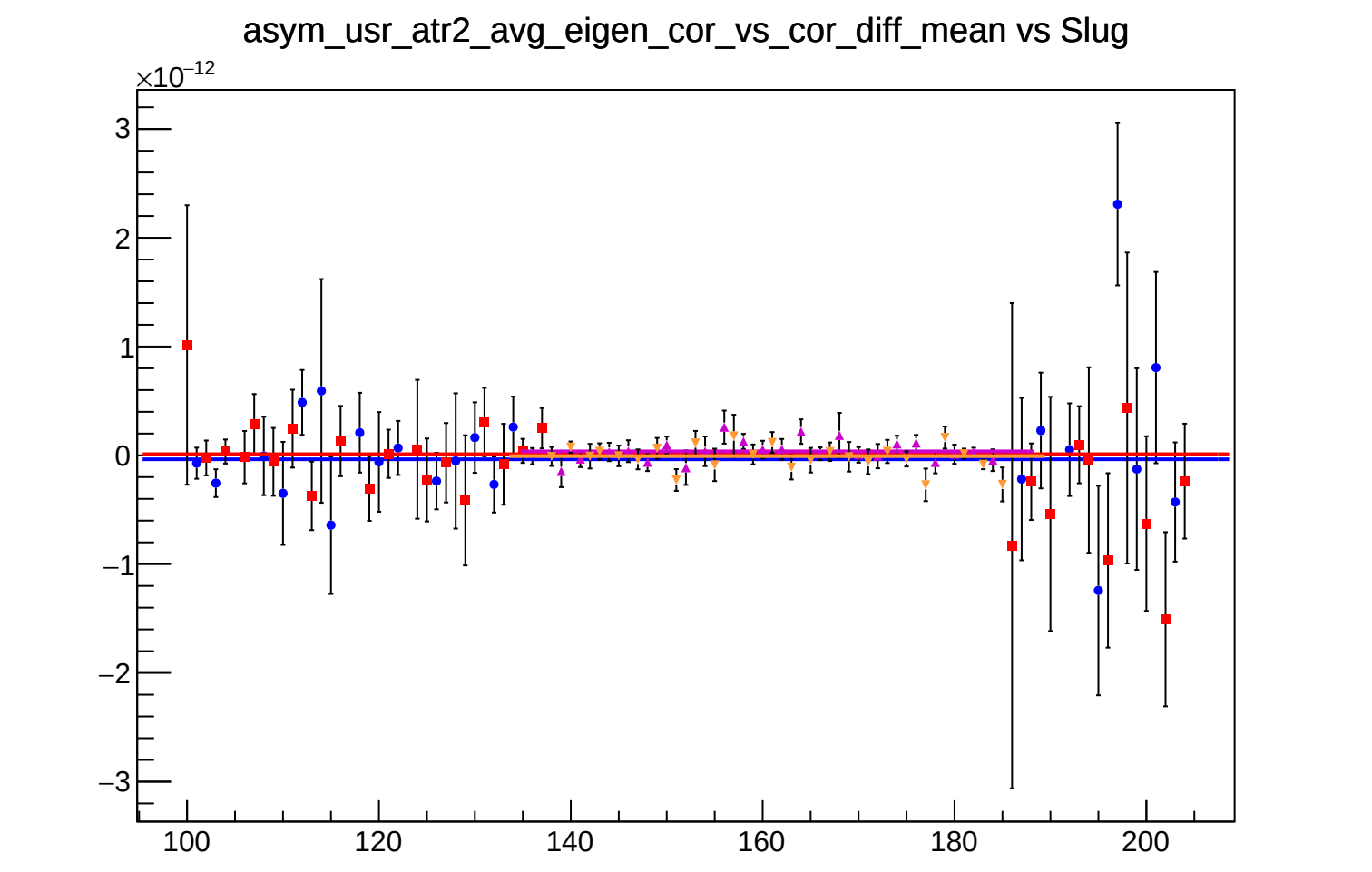
Right Out: 201.728+/-0.041 χ^2/NDF: 4326323.8/28

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 273.097+/-0.036 χ^2/NDF: 5228797.1/48

All: 255.965+/-0.024 χ^2/NDF: 14154758.4/10

- sign 241.967+/-0.033 χ^2/NDF: 8519095.6/51



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/23

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

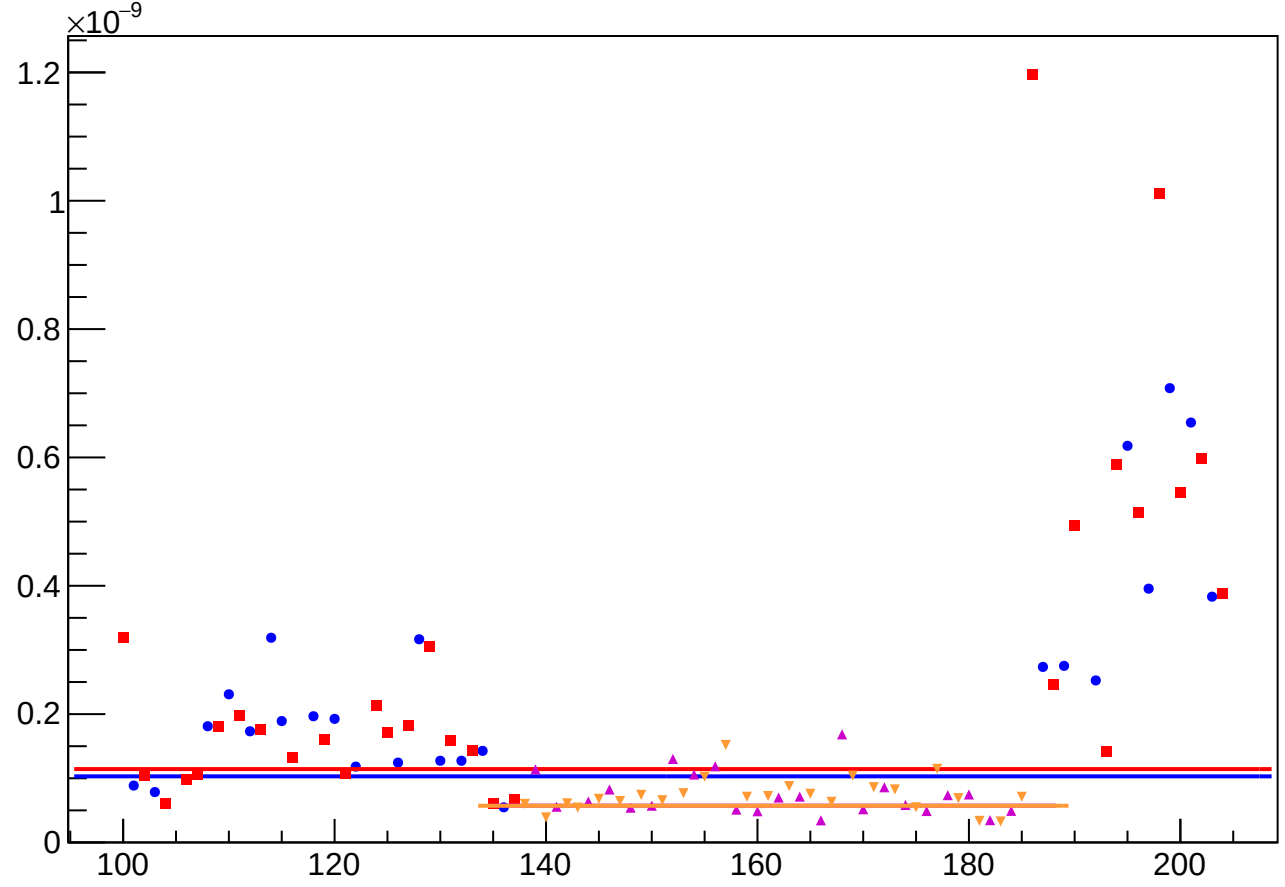
Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/28

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.8/48

All: 0.000+/-0.000 χ^2/NDF: 87.0/100

- sign 0.000+/-0.000 χ^2/NDF: 32.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 5542808.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6655095.2/28

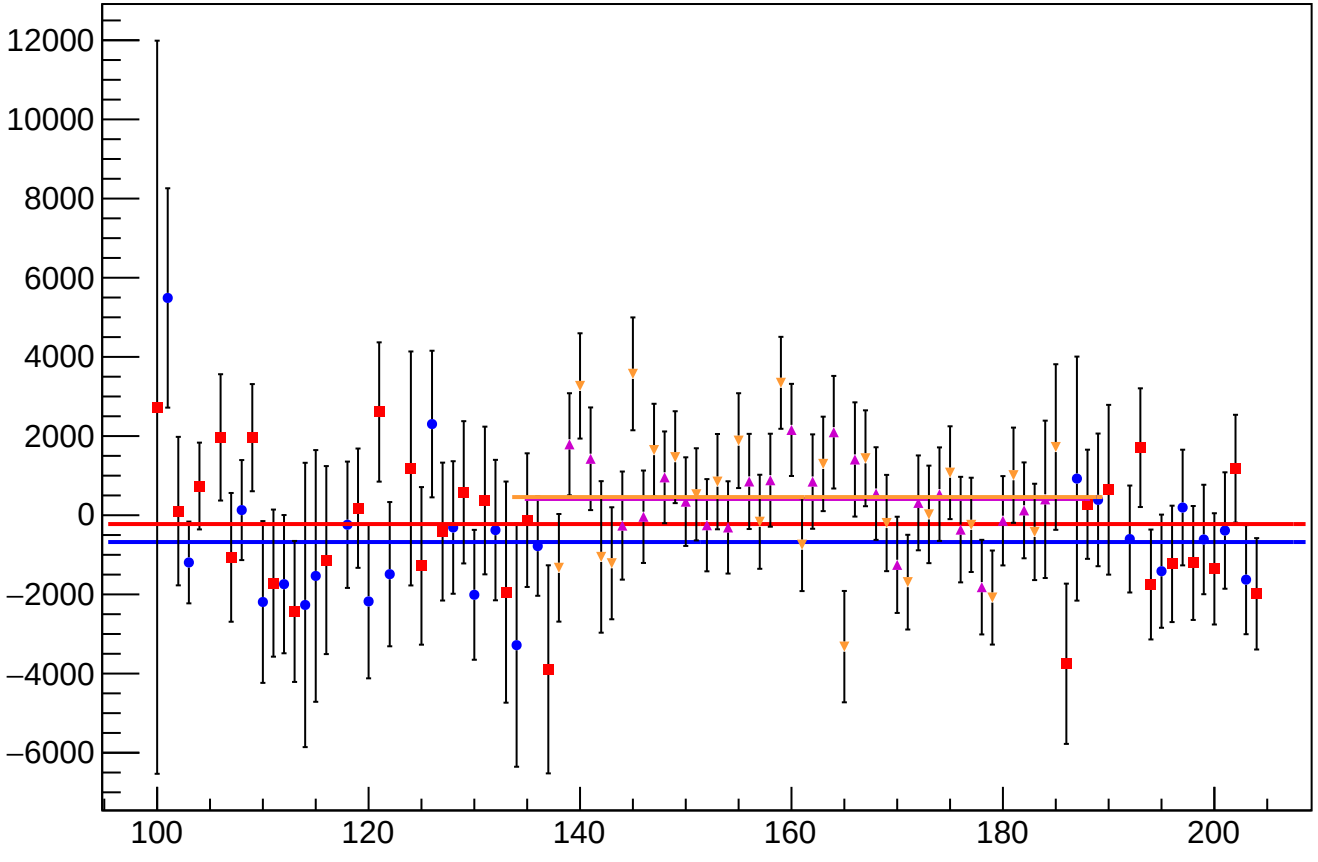
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10451820.5/48

All: 0.000+/-0.000 χ^2/NDF: 22707450.8/100

- sign 0.000+/-0.000 χ^2/NDF: 12249099.7/51

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -677.083+/-334.187 χ^2/NDF: 13.5/23

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -222.794+/-310.774 χ^2/NDF: 24.2/28

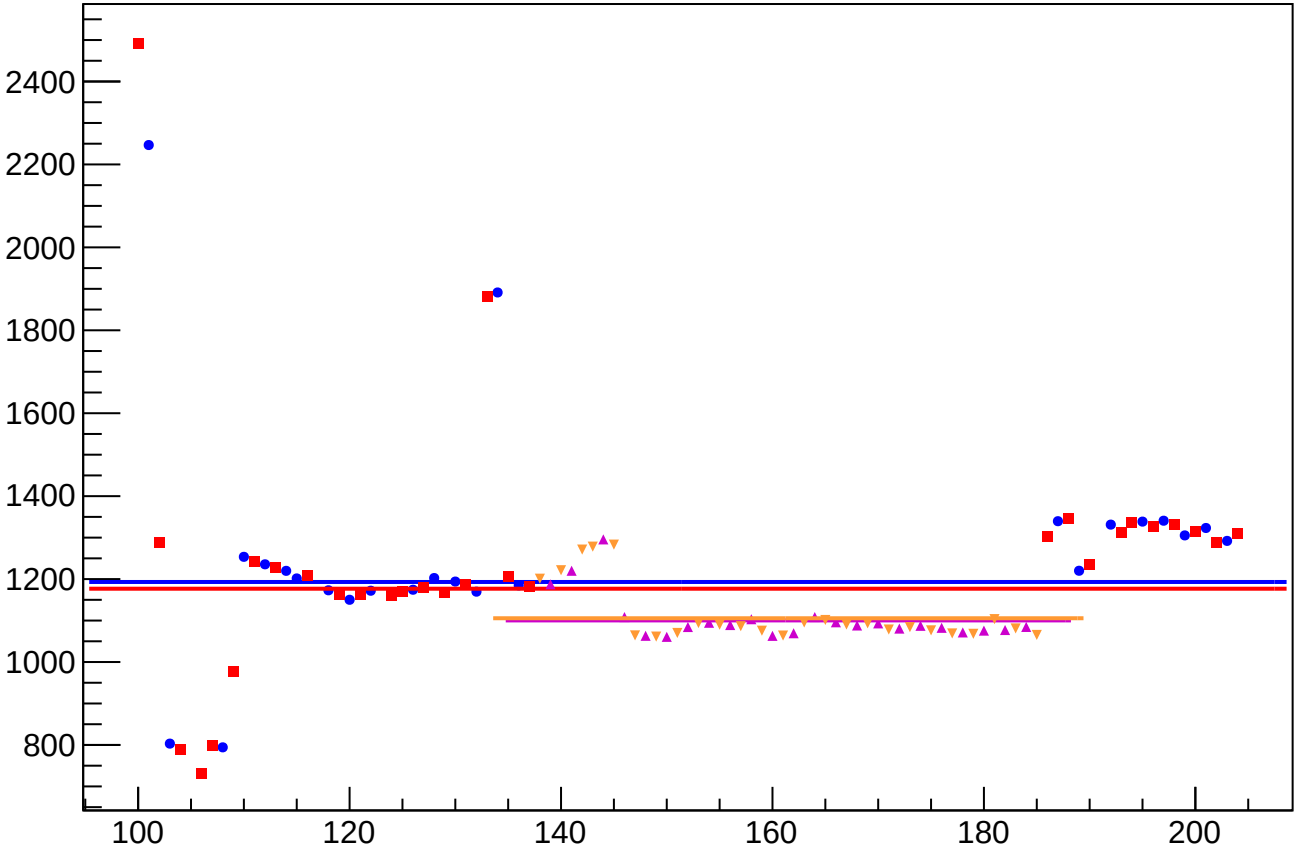
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 47.998+/-200.971 χ^2/NDF: 63.0/48

All: 101.503+/-141.098 χ^2/NDF: 103.5/100

- sign 153.513+/-198.144 χ^2/NDF: 40.3/51

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1193.028+/-0.236 χ^2/NDF: 988429.7/23

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1176.794+/-0.219 χ^2/NDF: 952631.8/28

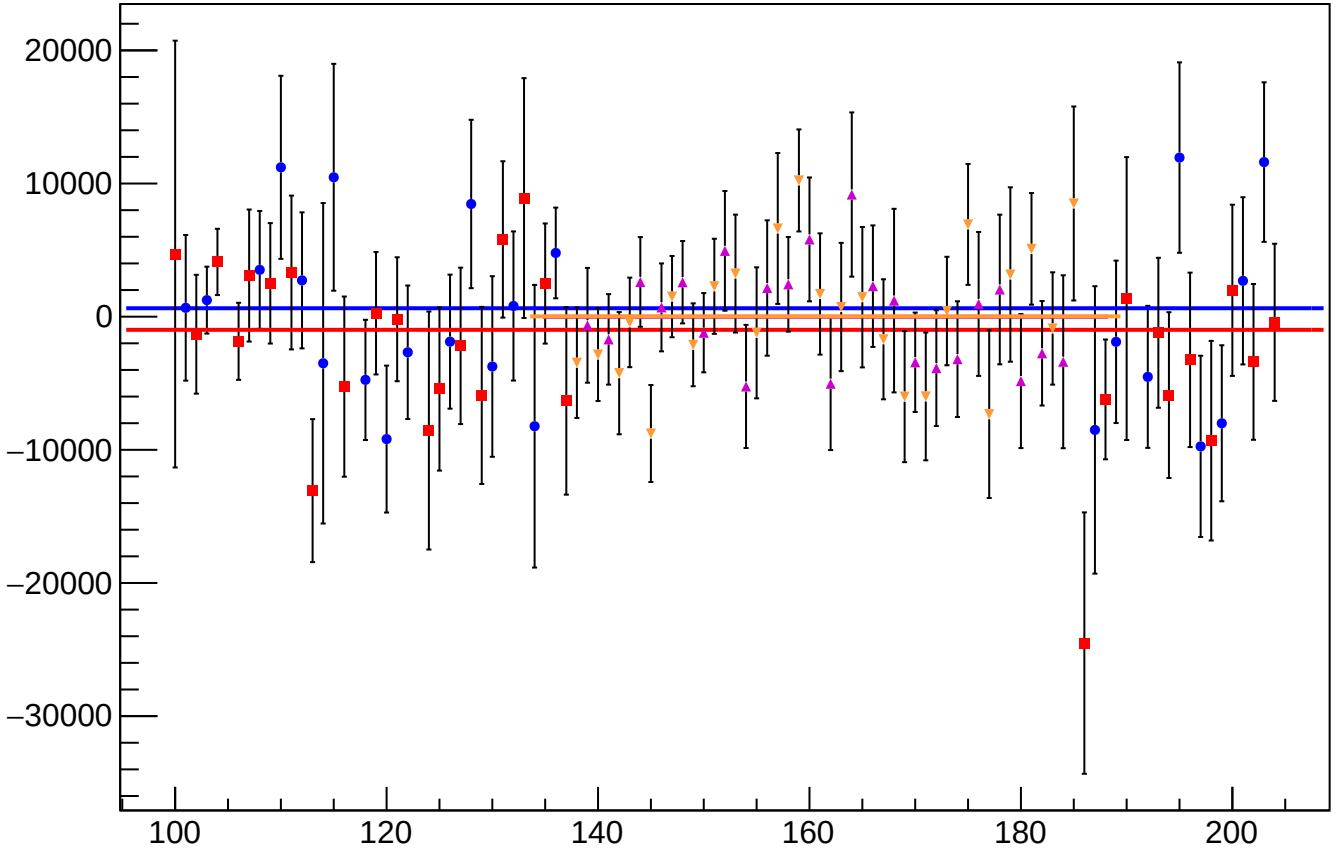
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1137.186+/-0.142 χ^2/NDF: 1197861.4/48

All: 1134.348+/-0.100 χ^2/NDF: 2303743.3/10

- sign 1131.601+/-0.140 χ^2/NDF: 1105097.2/51

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: 633.669+/-1083.278 χ^2/NDF: 26.2/23

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -987.502+/-973.494 χ^2/NDF: 26.9/28

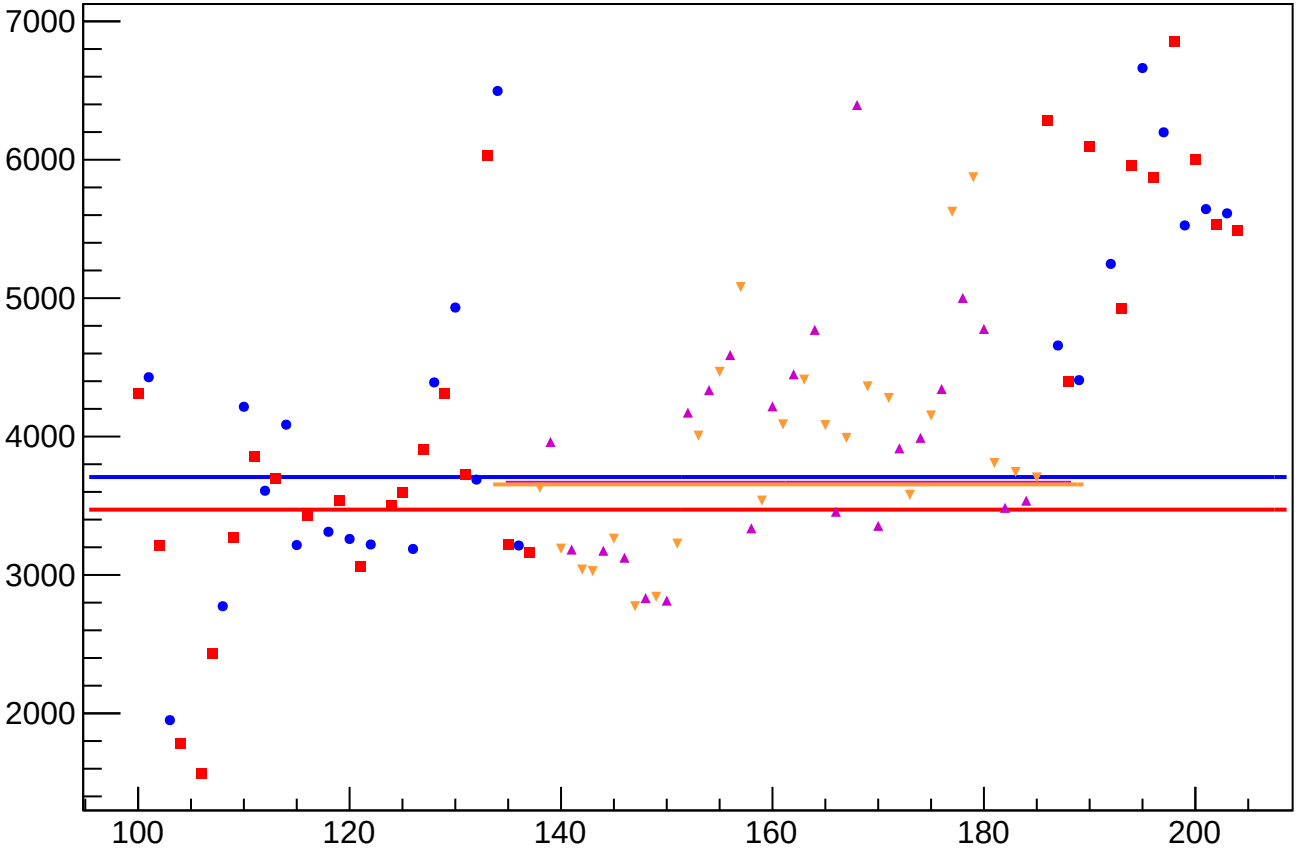
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 256.071+/-668.911 χ^2/NDF: 54.8/48

All: -104.006+/-466.482 χ^2/NDF: 96.8/100

- sign -444.918+/-650.868 χ^2/NDF: 41.4/51

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3707.455+/-0.766 χ^2/NDF: 2862353.4/23

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3471.918+/-0.688 χ^2/NDF: 4431210.6/28

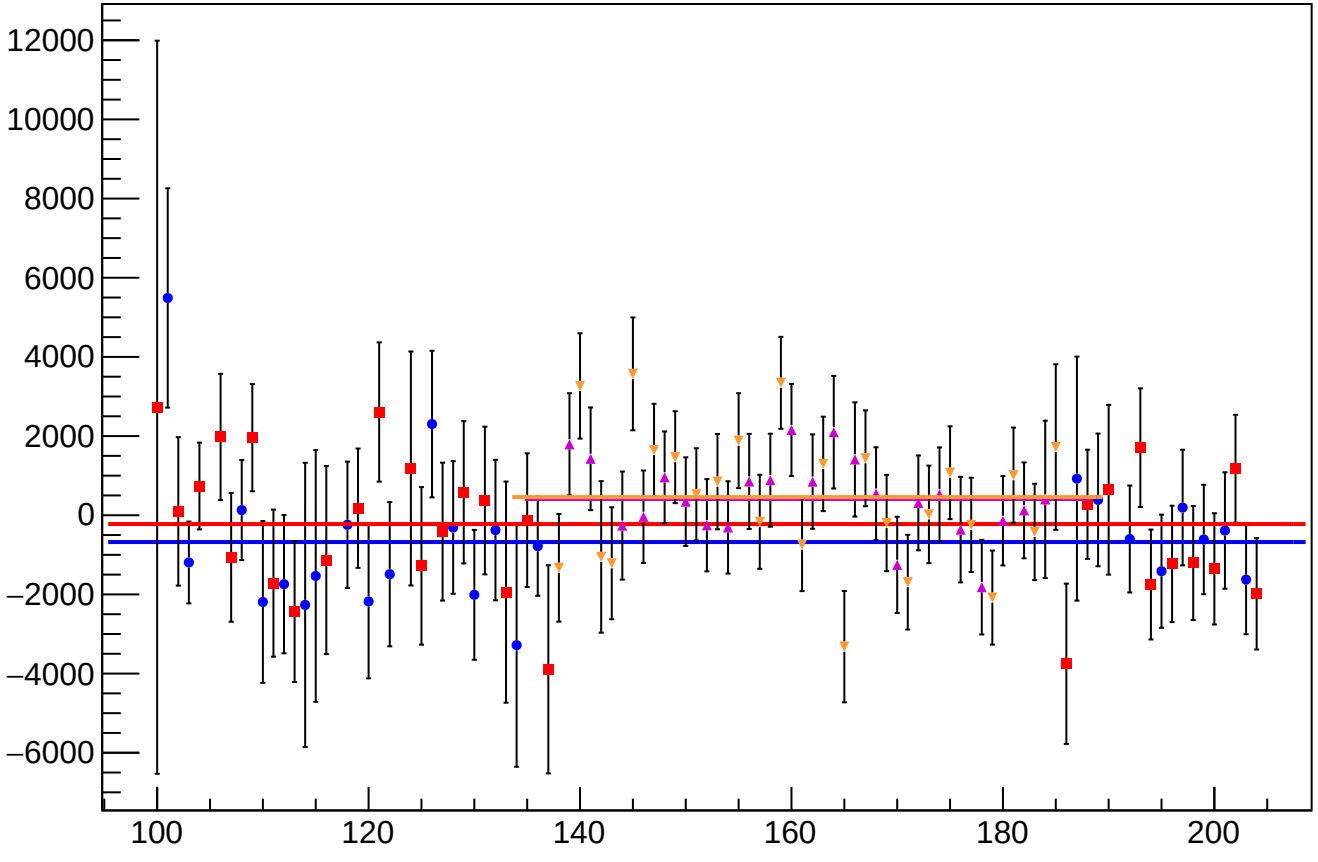
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3674.504+/-0.473 χ^2/NDF: 4177106.0/48

All: 3625.605+/-0.330 χ^2/NDF: 10016845.6/1

- sign 3579.308+/-0.460 χ^2/NDF: 5818932.4/51

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -677.101+/-334.187 χ^2/NDF: 13.5/23

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -222.630+/-310.776 χ^2/NDF: 24.2/28

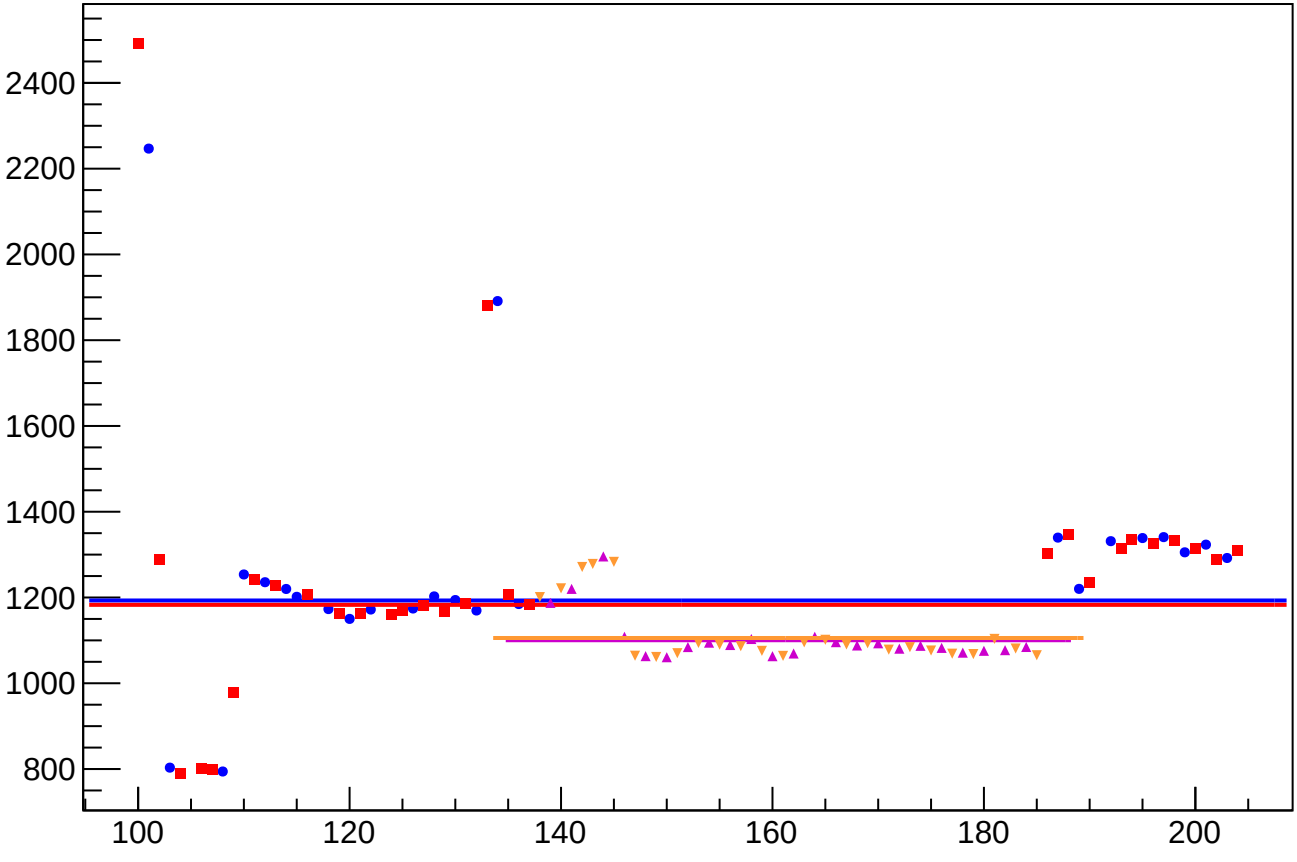
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 48.031+/-200.971 χ^2/NDF: 63.0/48

All: 101.524+/-141.098 χ^2/NDF: 103.5/100

- sign 153.523+/-198.144 χ^2/NDF: 40.3/51

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1193.028+/-0.236 χ^2/NDF: 988425.2/23

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1182.847+/-0.220 χ^2/NDF: 874213.7/28

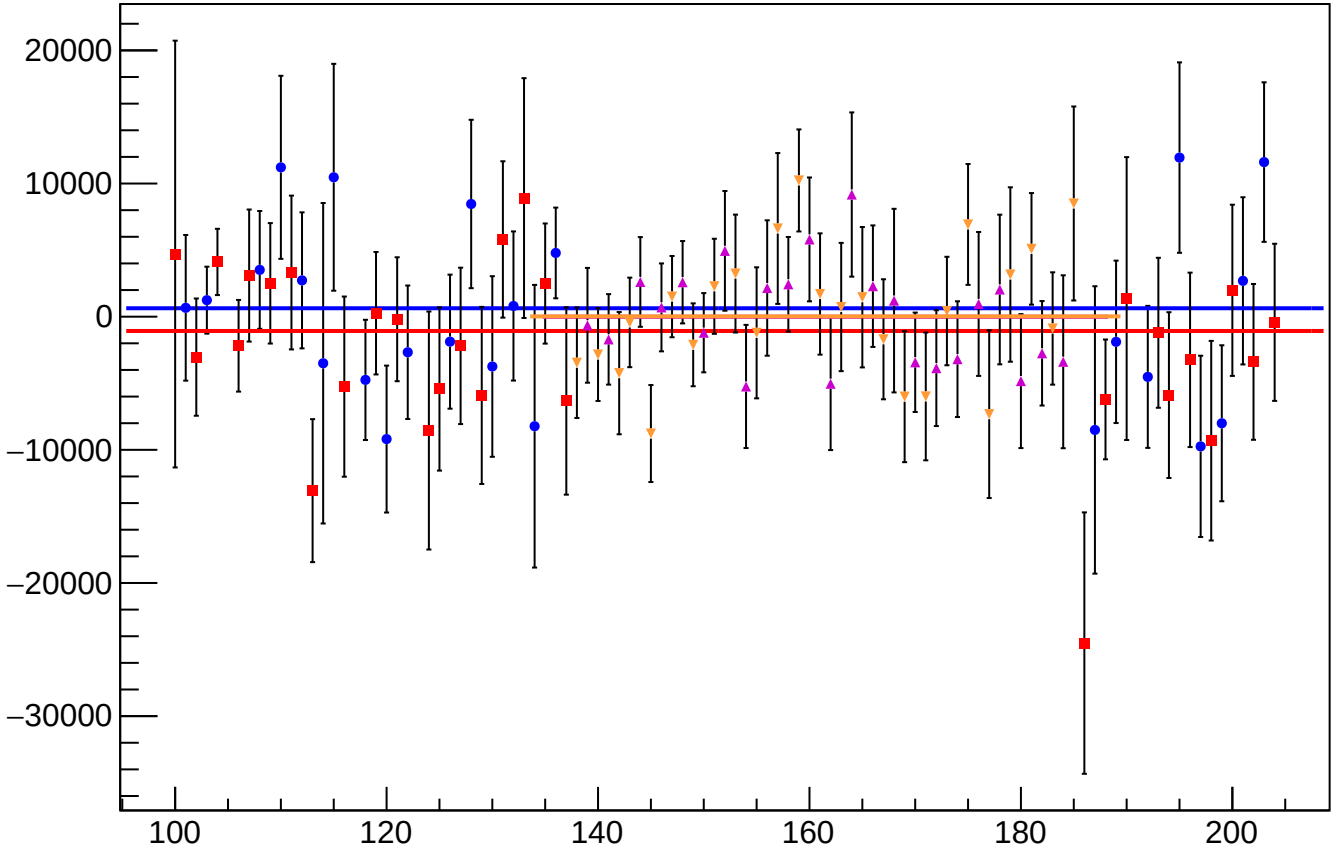
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1137.186+/-0.142 χ^2/NDF: 1197857.6/48

All: 1135.534+/-0.100 χ^2/NDF: 2236331.4/10

- sign 1133.930+/-0.140 χ^2/NDF: 1038207.5/51

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 633.227+/-1083.311 χ^2/NDF: 26.2/23

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -1073.014+/-989.389 χ^2/NDF: 27.1/28

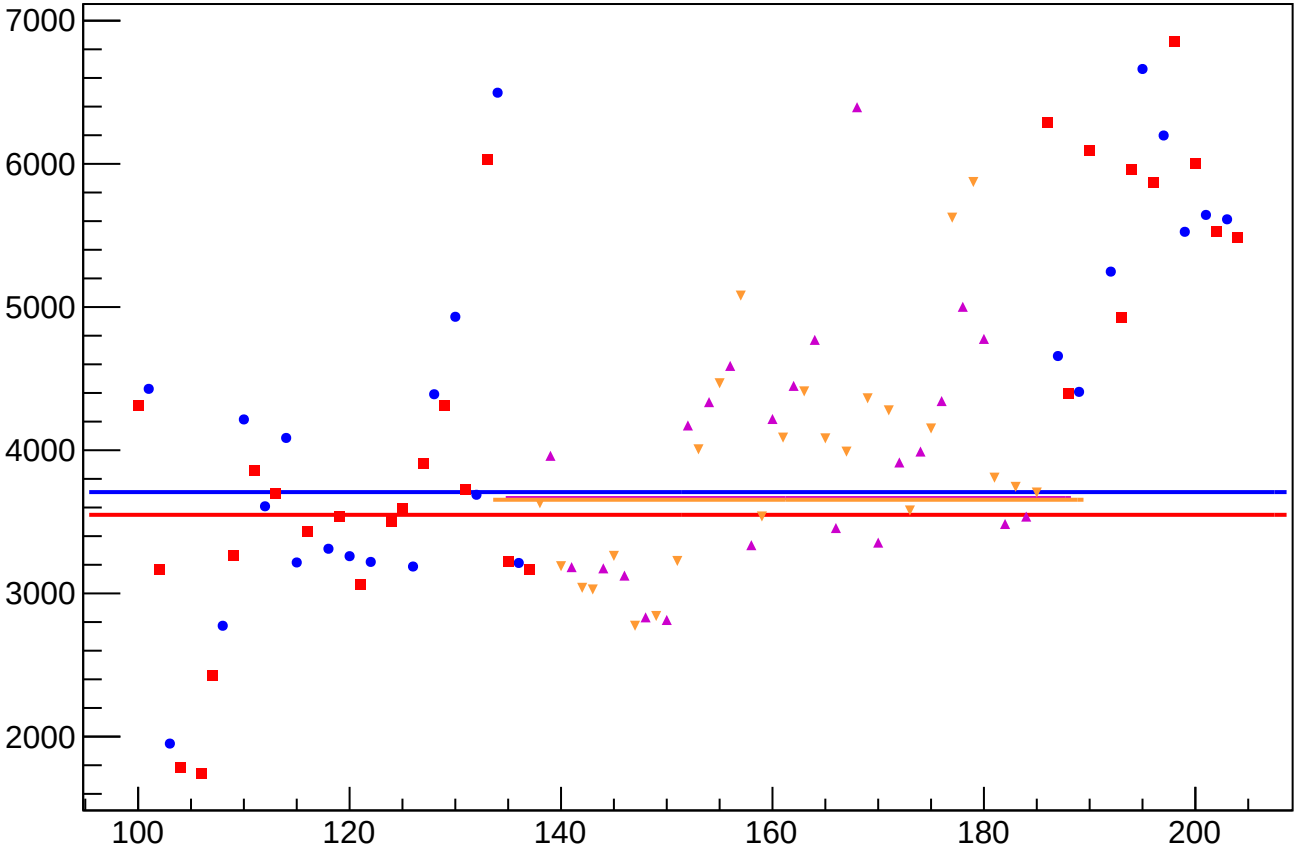
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 255.891+/-668.919 χ^2/NDF: 54.8/48

All: -116.748+/-468.200 χ^2/NDF: 97.2/100

- sign -474.646+/-655.554 χ^2/NDF: 41.8/51

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3707.630+/-0.766 χ^2/NDF: 2861625.1/23

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3548.909+/-0.700 χ^2/NDF: 4059103.5/28

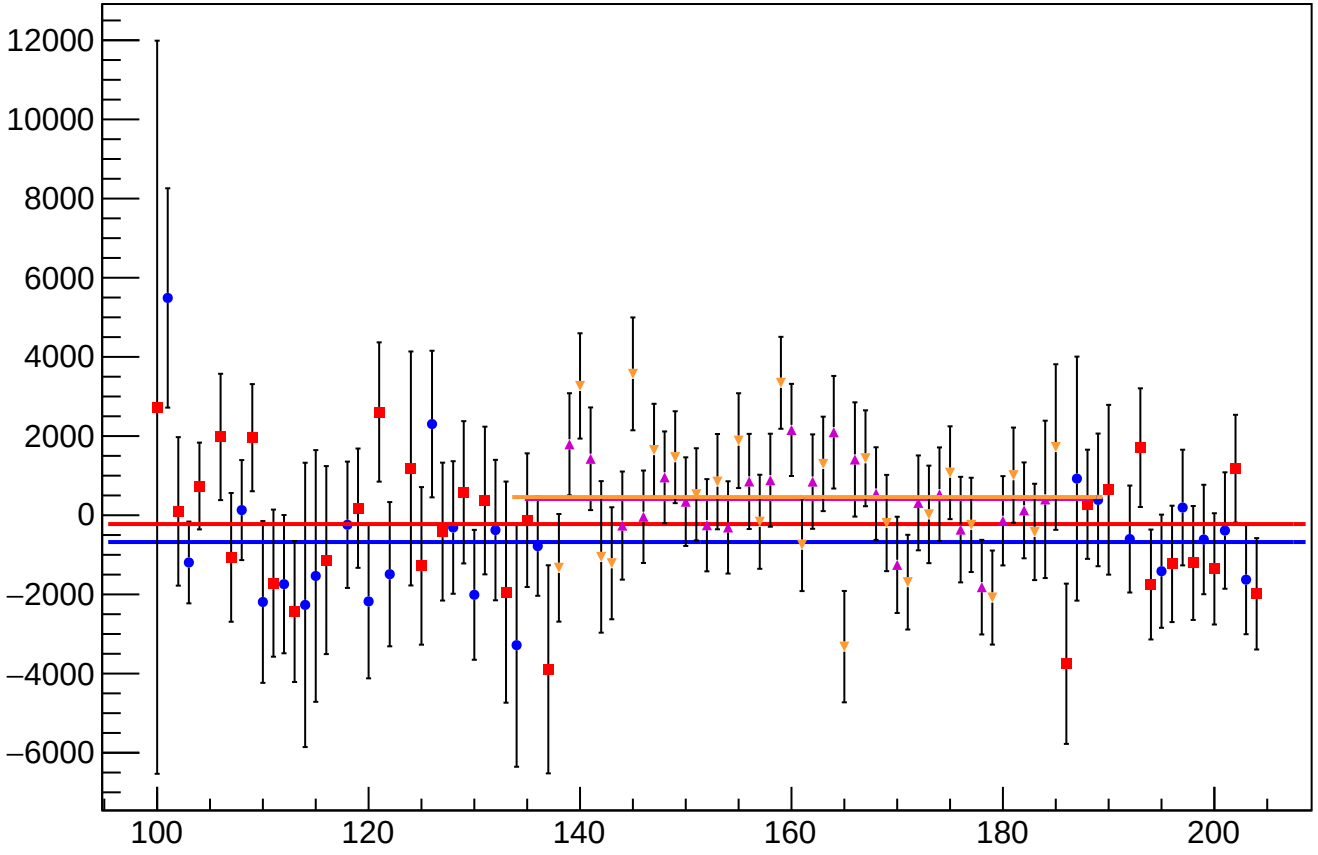
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3674.569+/-0.473 χ^2/NDF: 4176405.2/48

All: 3644.009+/-0.331 χ^2/NDF: 9603148.2/10

- sign 3614.659+/-0.464 χ^2/NDF: 5418559.8/51

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -677.101+/-334.187 χ^2/NDF: 13.5/23

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -222.630+/-310.776 χ^2/NDF: 24.2/28

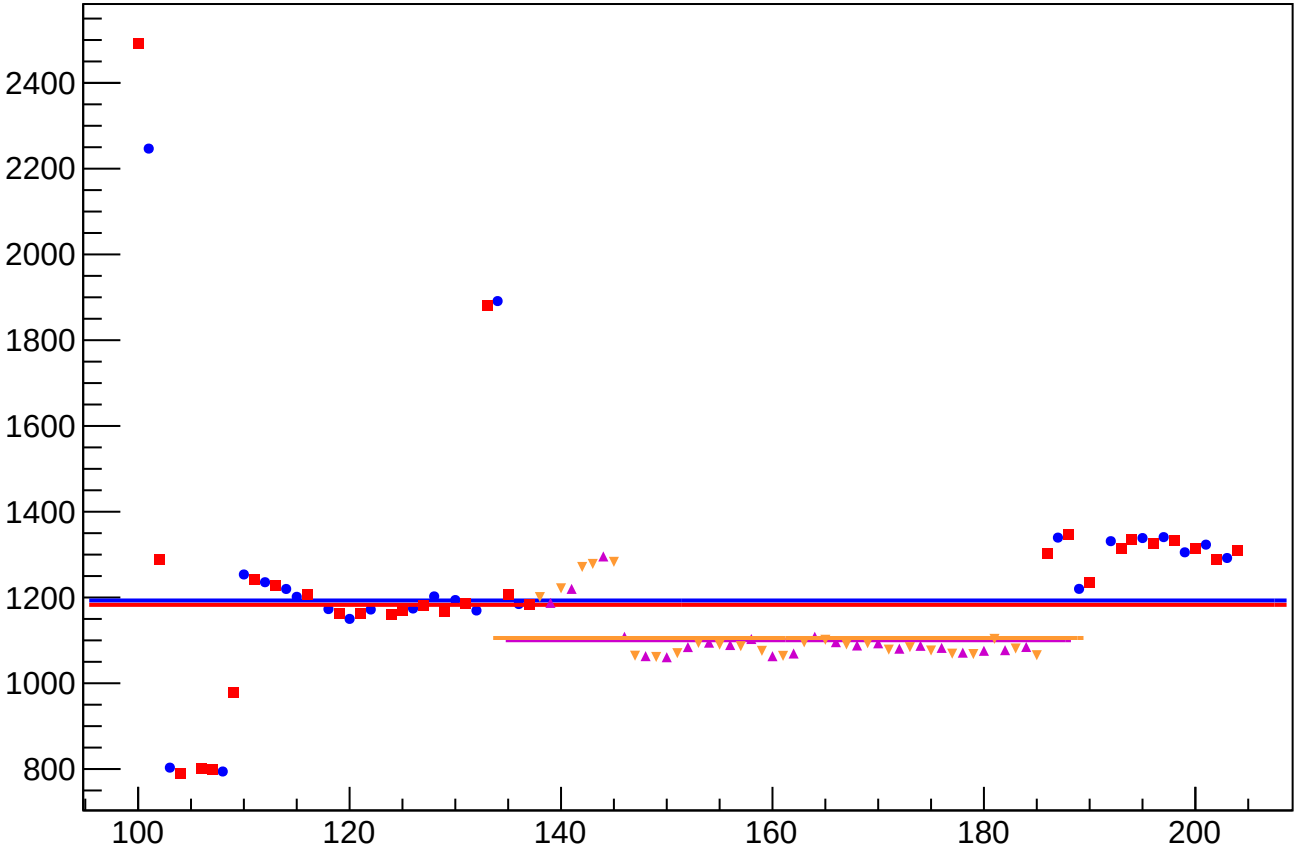
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 48.031+/-200.971 χ^2/NDF: 63.0/48

All: 101.524+/-141.098 χ^2/NDF: 103.5/100

- sign 153.523+/-198.144 χ^2/NDF: 40.3/51

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1193.028+/-0.236 χ^2/NDF: 988425.2/23

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

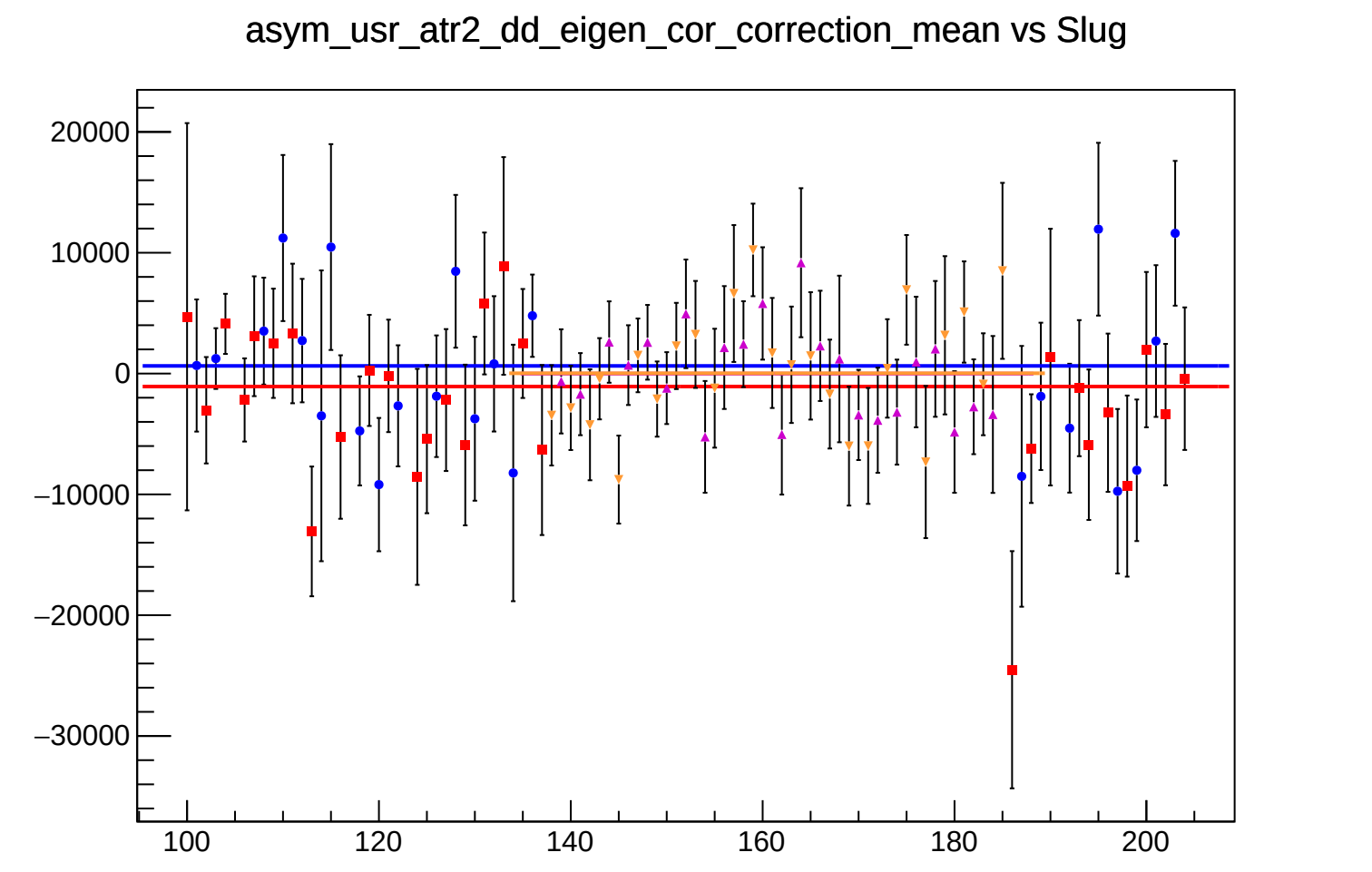
Right Out: 1182.847+/-0.220 χ^2/NDF: 874213.7/28

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1137.186+/-0.142 χ^2/NDF: 1197857.6/48

All: 1135.534+/-0.100 χ^2/NDF: 2236331.4/10

- sign 1133.930+/-0.140 χ^2/NDF: 1038207.5/51



Right In: 633.227+/-1083.311 χ^2/NDF: 26.2/23

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -1073.014+/-989.389 χ^2/NDF: 27.1/28

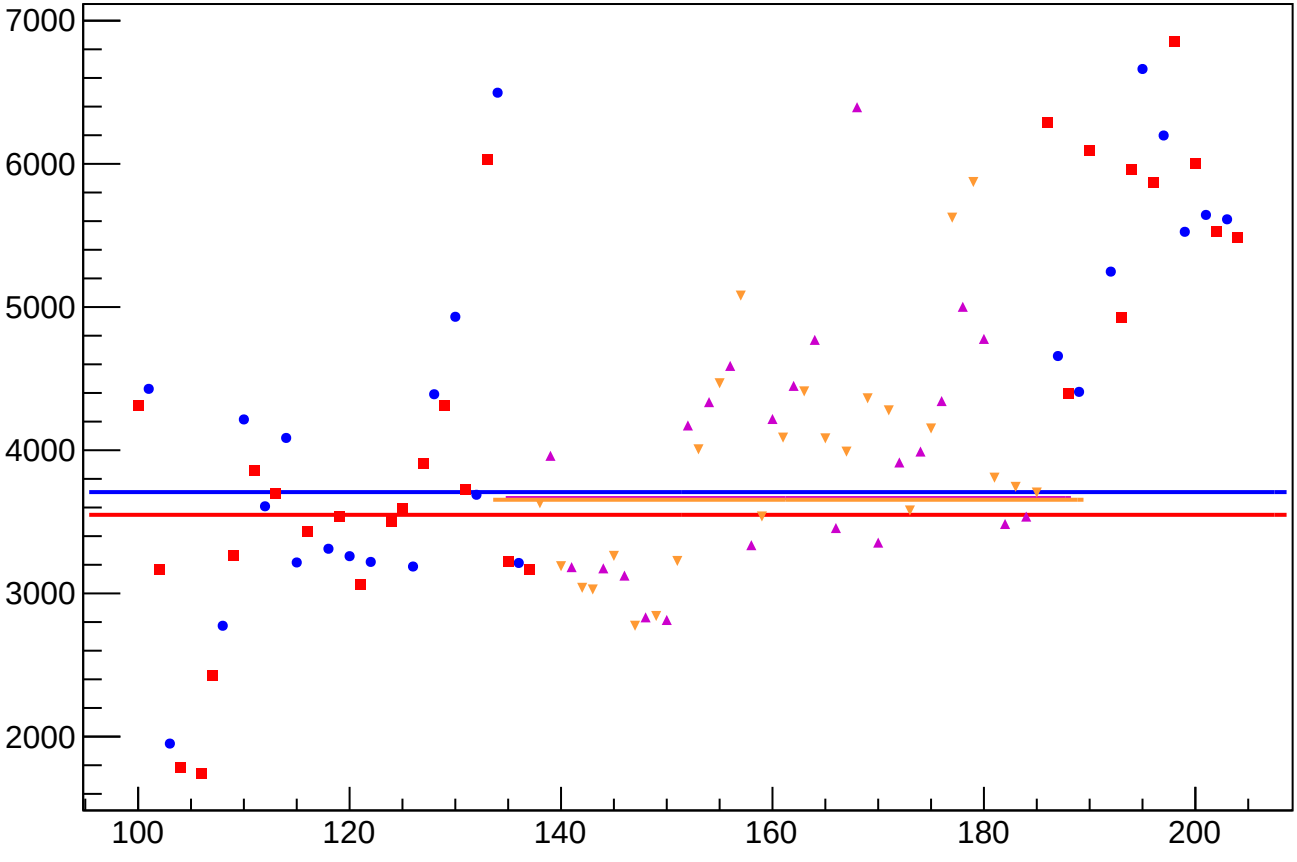
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 255.891+/-668.919 χ^2/NDF: 54.8/48

All: -116.748+/-468.200 χ^2/NDF: 97.2/100

- sign -474.646+/-655.554 χ^2/NDF: 41.8/51

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 3707.630+/-0.766 χ^2/NDF: 2861625.1/23

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3548.909+/-0.700 χ^2/NDF: 4059103.5/28

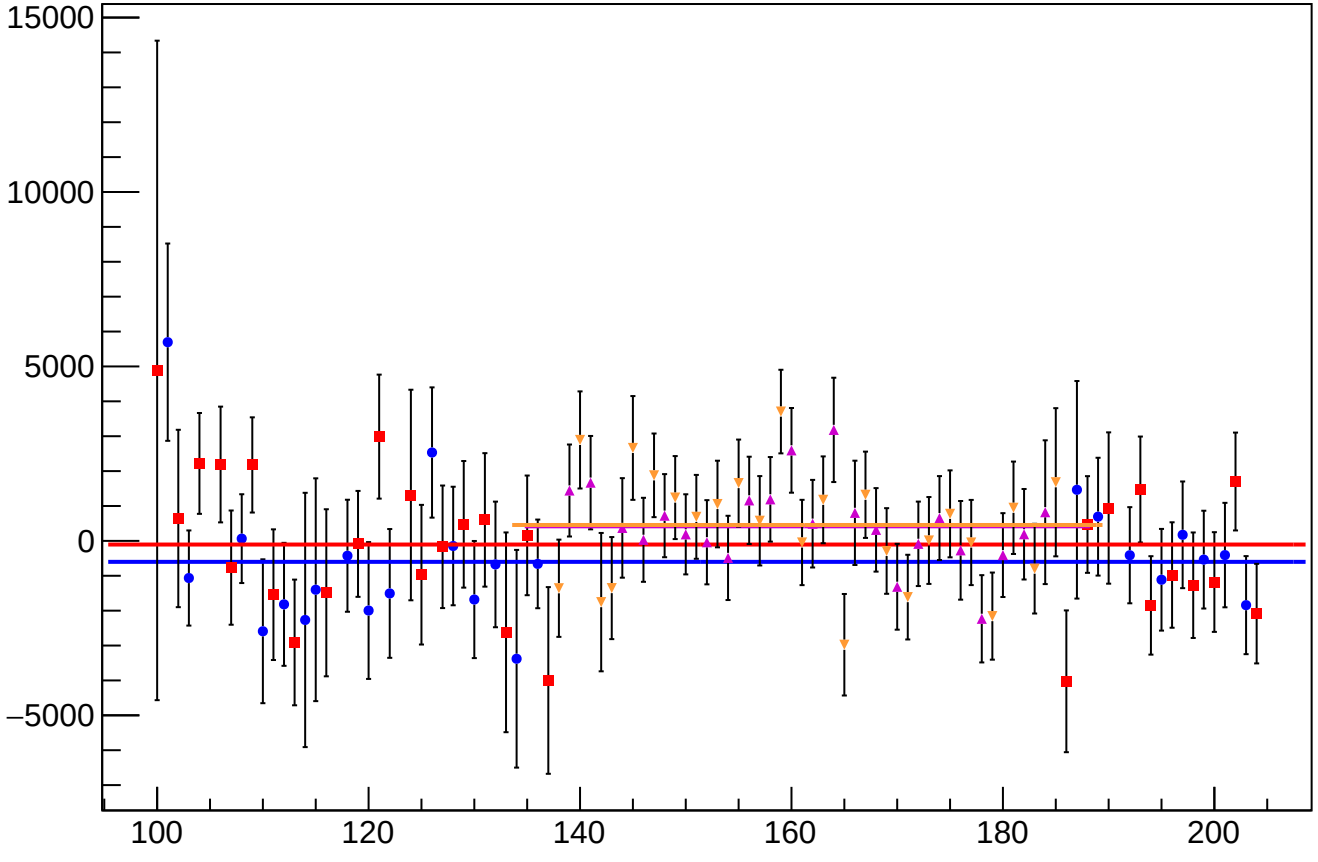
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3674.569+/-0.473 χ^2/NDF: 4176405.2/48

All: 3644.009+/-0.331 χ^2/NDF: 9603148.2/10

- sign 3614.659+/-0.464 χ^2/NDF: 5418559.8/51

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -601.018+/-346.858 χ^2/NDF: 14.1/23

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -104.761+/-323.163 χ^2/NDF: 29.6/28

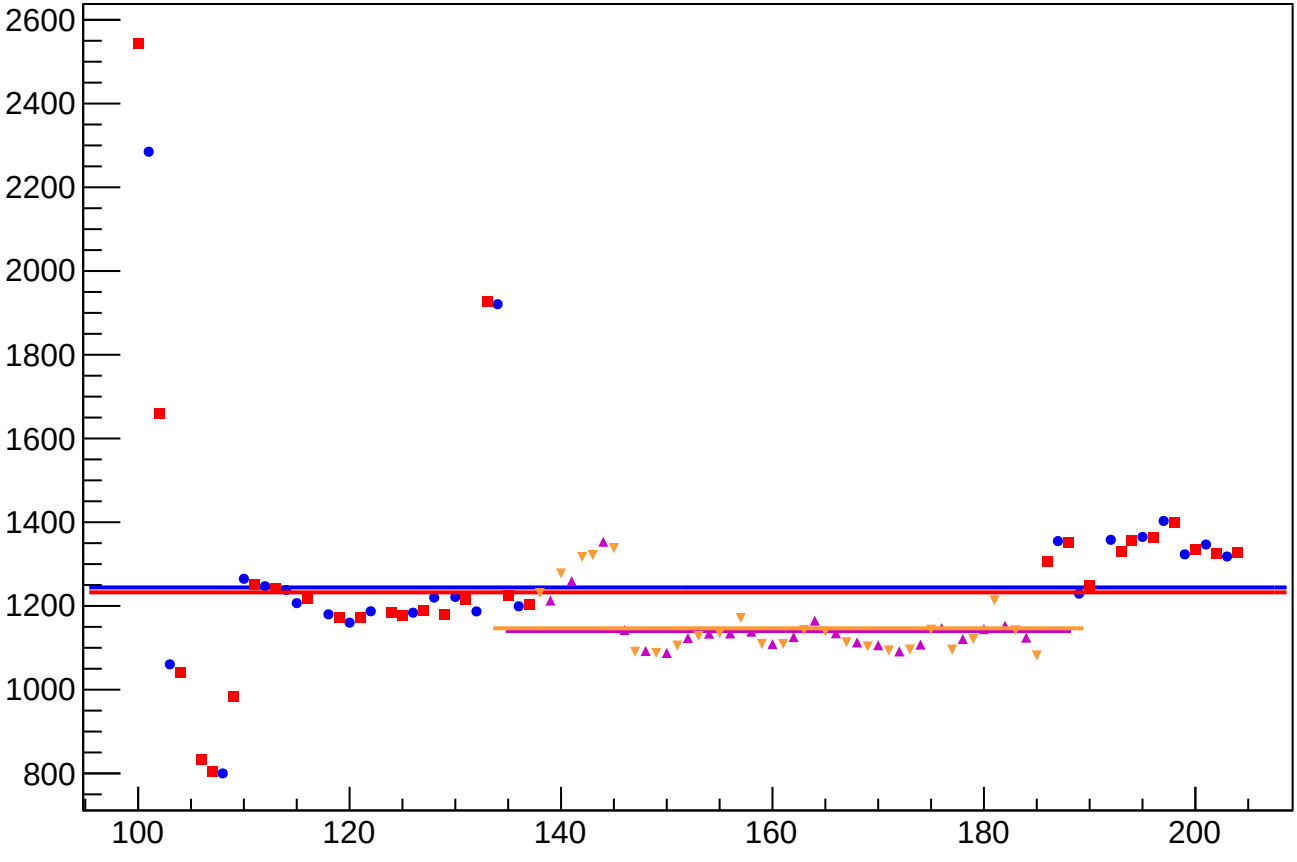
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 73.676+/-208.555 χ^2/NDF: 56.2/48

All: 140.688+/-146.430 χ^2/NDF: 104.9/100

- sign 205.841+/-205.643 χ^2/NDF: 48.5/51

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1244.192+/-0.245 χ^2/NDF: 734567.8/23

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1232.433+/-0.228 χ^2/NDF: 688980.7/28

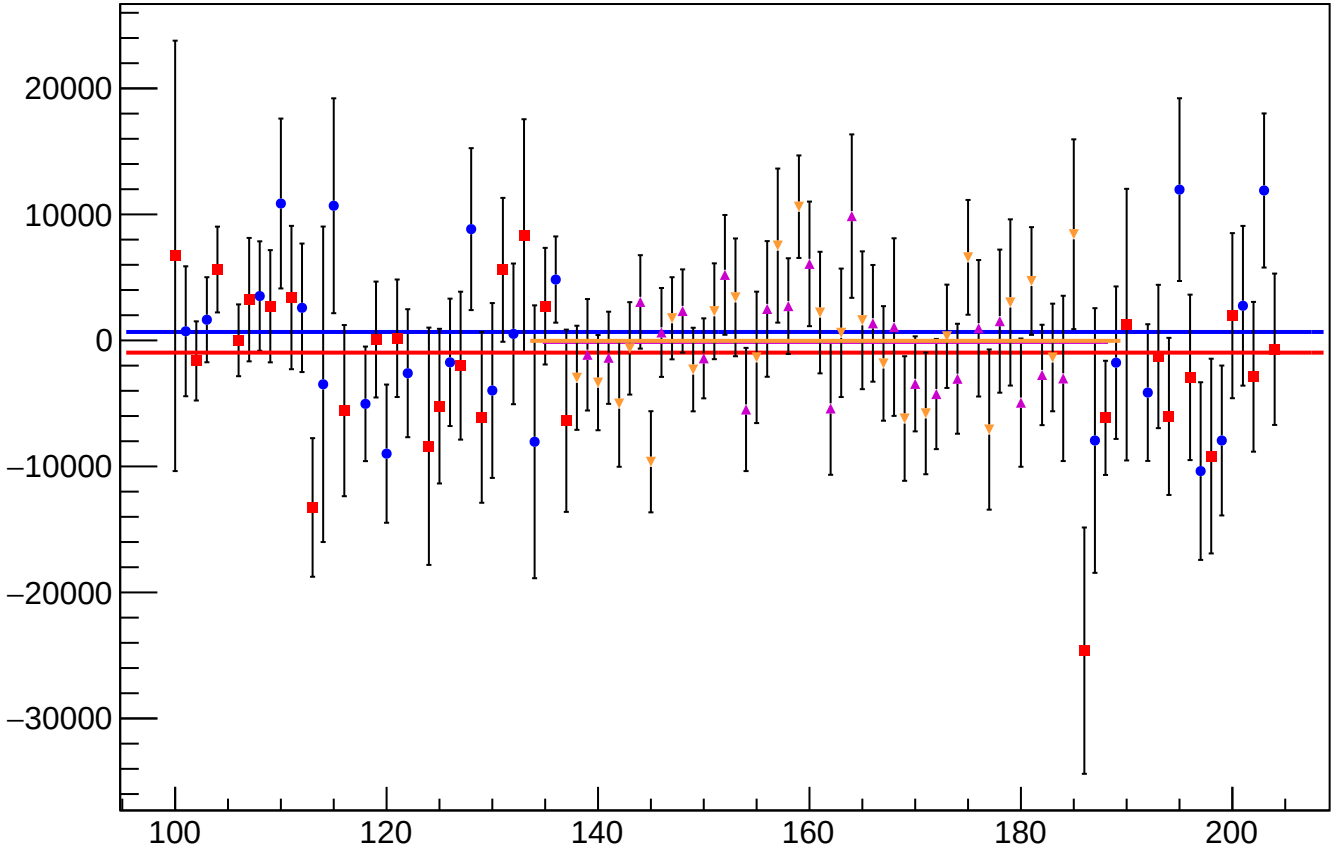
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1181.891+/-0.147 χ^2/NDF: 976644.1/48

All: 1179.685+/-0.104 χ^2/NDF: 1847844.0/10

- sign 1177.540+/-0.145 χ^2/NDF: 870758.6/51

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 670.092+/-1133.069 χ^2/NDF: 26.0/23

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -969.543+/-987.317 χ^2/NDF: 26.3/28

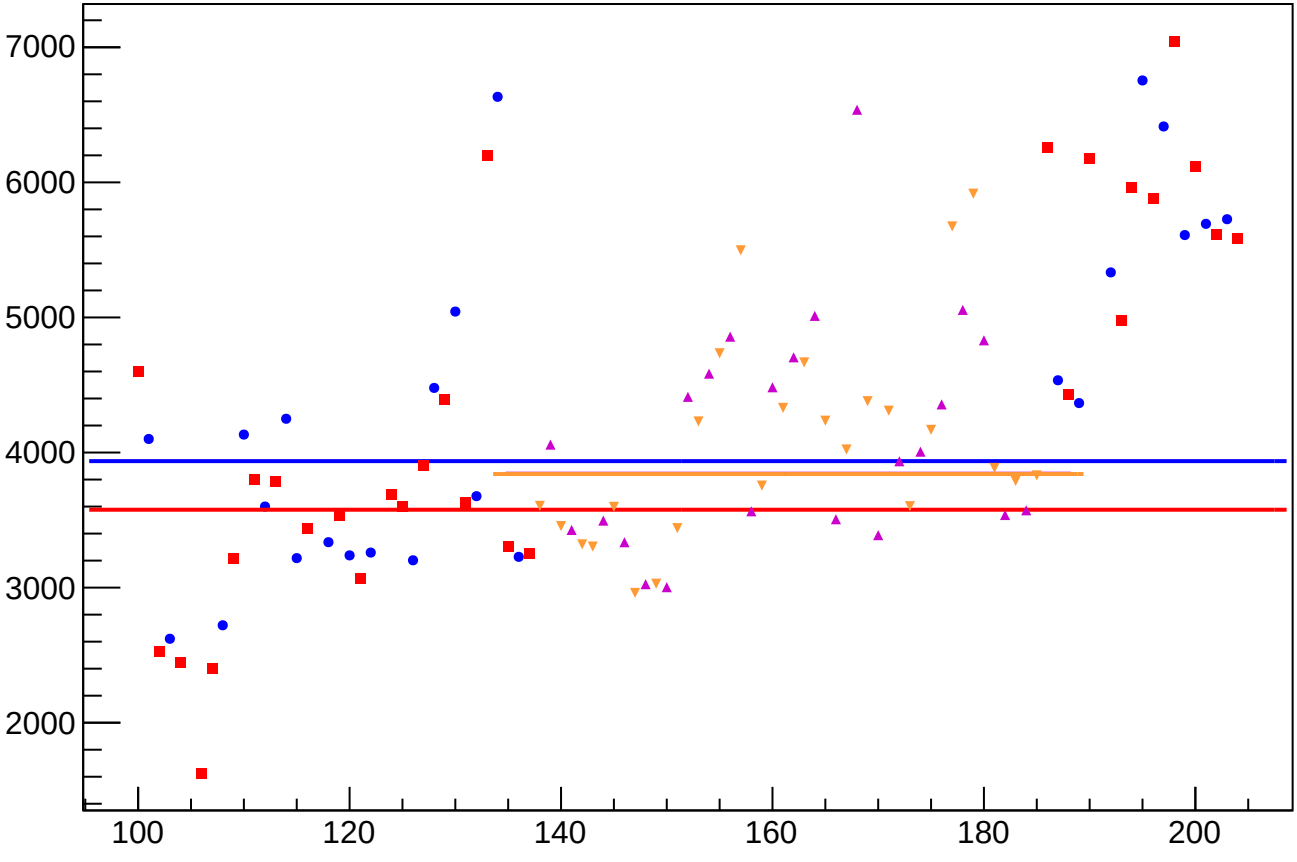
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 235.444+/-700.570 χ^2/NDF: 54.0/48

All: -154.904+/-484.734 χ^2/NDF: 95.1/100

- sign -513.417+/-671.395 χ^2/NDF: 40.5/51

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3936.398+/-0.801 χ^2/NDF: 2093990.0/23

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3576.623+/-0.698 χ^2/NDF: 3921751.9/28

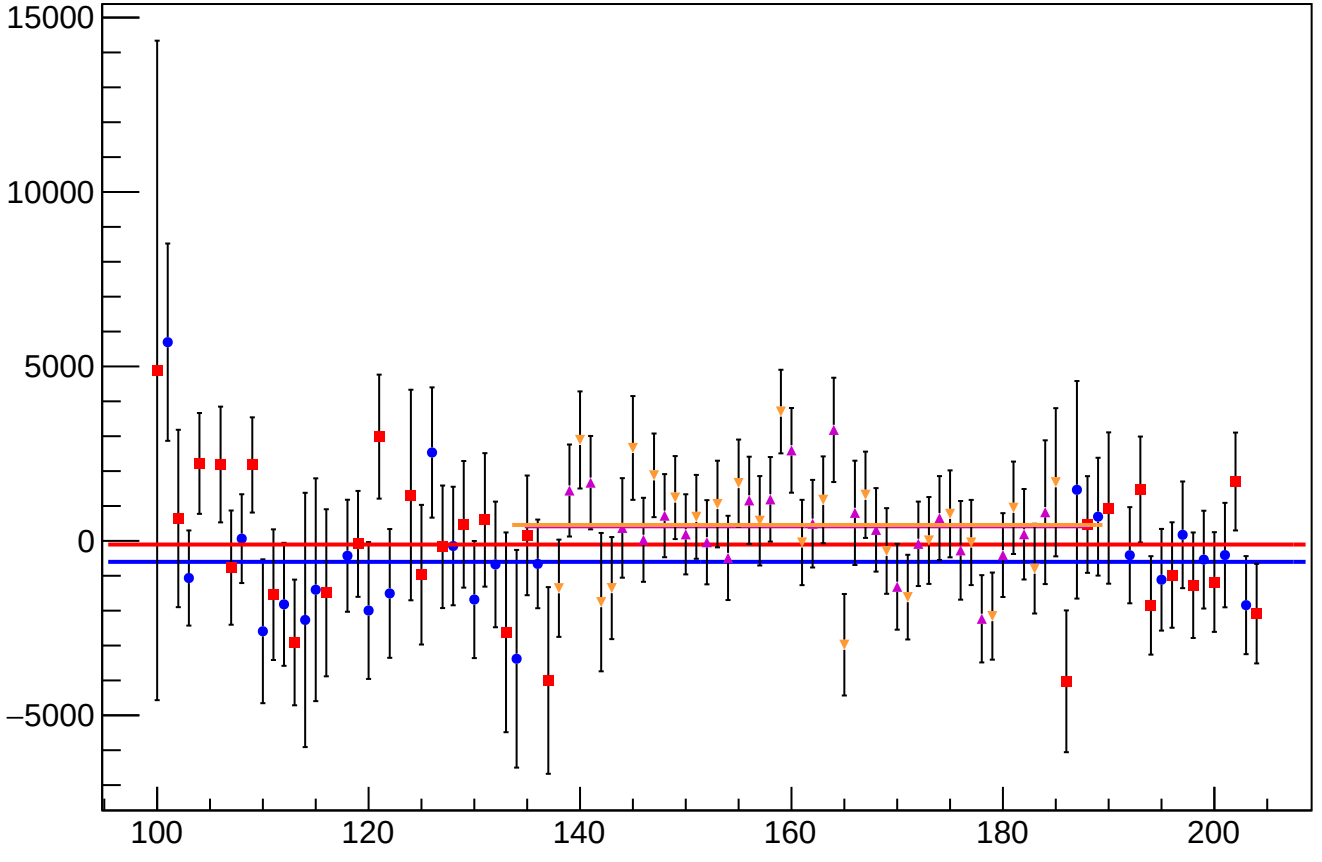
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3877.365+/-0.495 χ^2/NDF: 3221445.3/48

All: 3795.336+/-0.343 χ^2/NDF: 8470312.5/10

- sign 3719.996+/-0.475 χ^2/NDF: 5196263.9/51

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -601.019+/-346.858 χ^2/NDF: 14.1/23

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -104.759+/-323.163 χ^2/NDF: 29.6/28

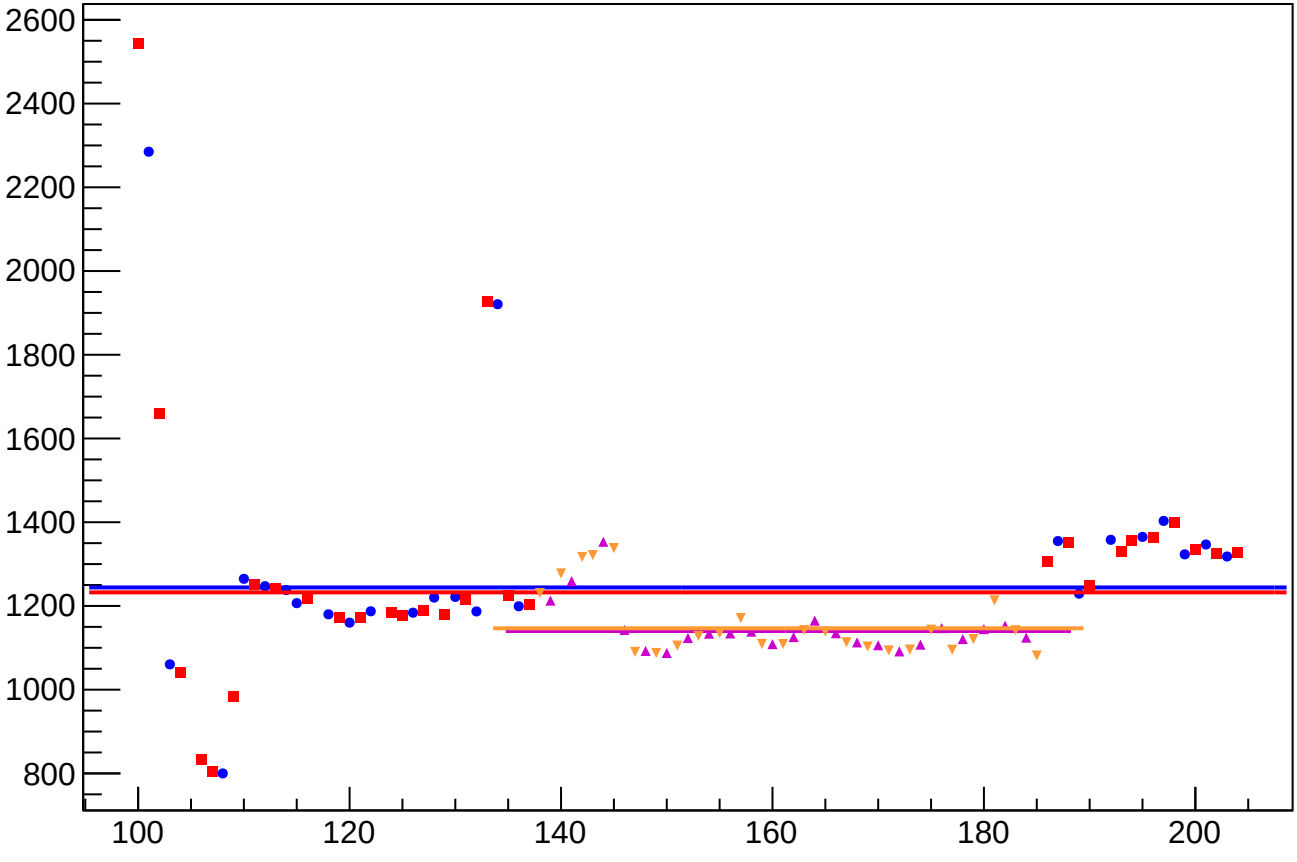
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 73.679+/-208.555 χ^2/NDF: 56.2/48

All: 140.689+/-146.430 χ^2/NDF: 104.9/100

- sign 205.841+/-205.643 χ^2/NDF: 48.5/51

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1244.192+/-0.245 χ^2/NDF: 734568.5/23

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

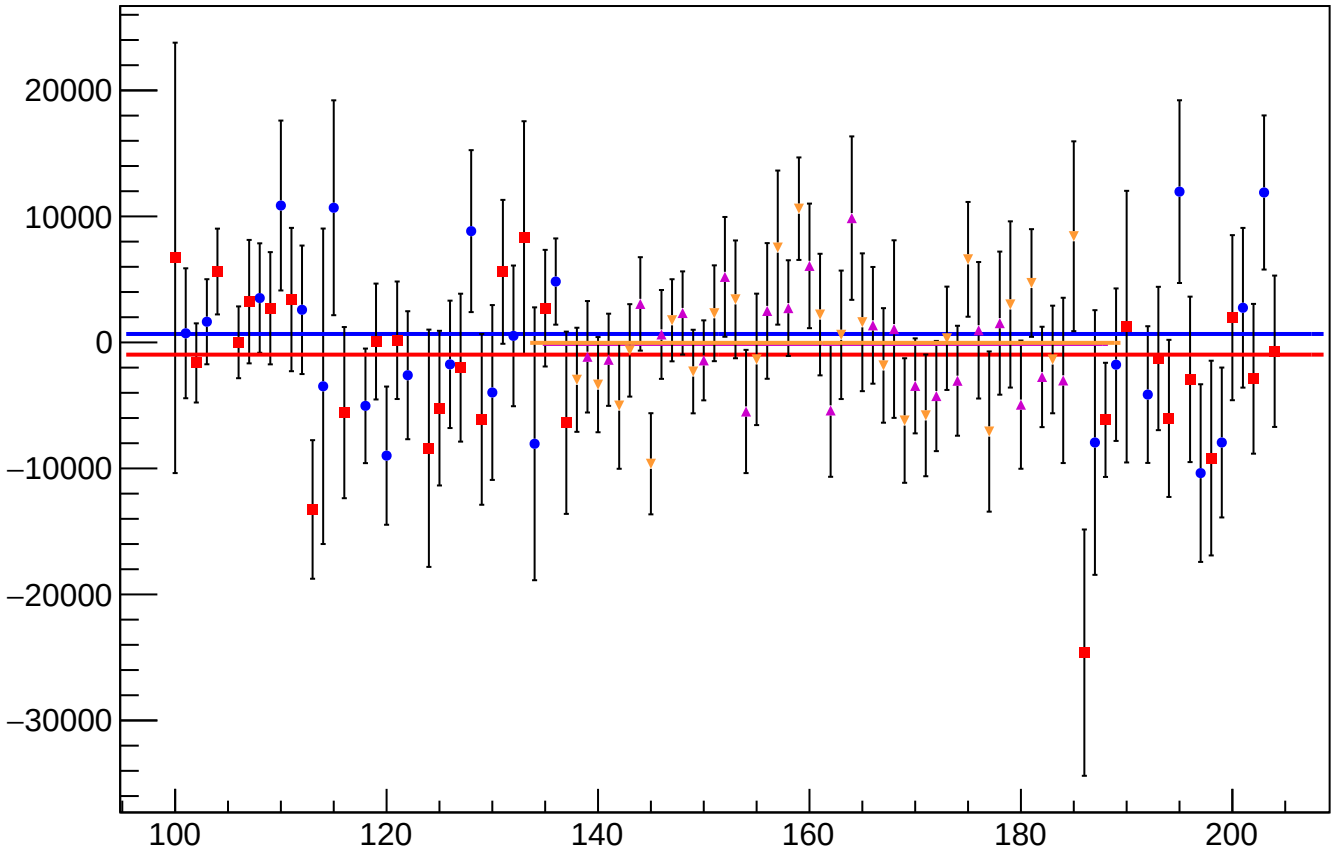
Right Out: 1232.433+/-0.228 χ^2/NDF: 688980.4/28

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

\+ sign 1181.891+/-0.147 χ^2/NDF: 976643.4/48

All: 1179.685+/-0.104 χ^2/NDF: 1847841.7/10

\- sign 1177.541+/-0.145 χ^2/NDF: 870757.0/51



Right In: 670.079+/-1133.068 χ^2/NDF: 26.0/23

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

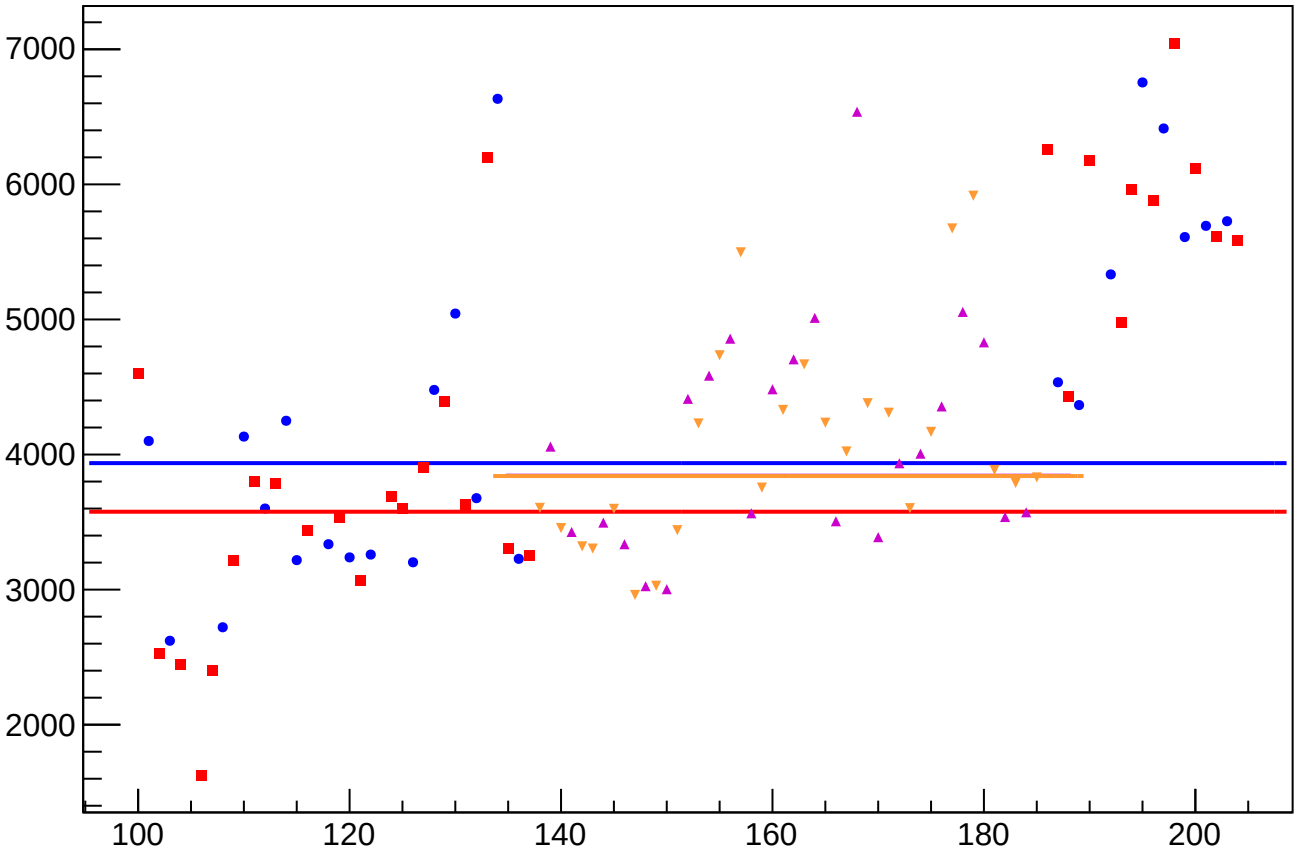
Right Out: -969.535+/-987.316 χ^2/NDF: 26.3/28

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 235.441+/-700.570 χ^2/NDF: 54.0/48

All: -154.905+/-484.734 χ^2/NDF: 95.1/100

- sign -513.416+/-671.396 χ^2/NDF: 40.5/51



Right In: 3936.396+/-0.801 χ^2/NDF: 2093998.9/23

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3576.618+/-0.698 χ^2/NDF: 3921770.6/28

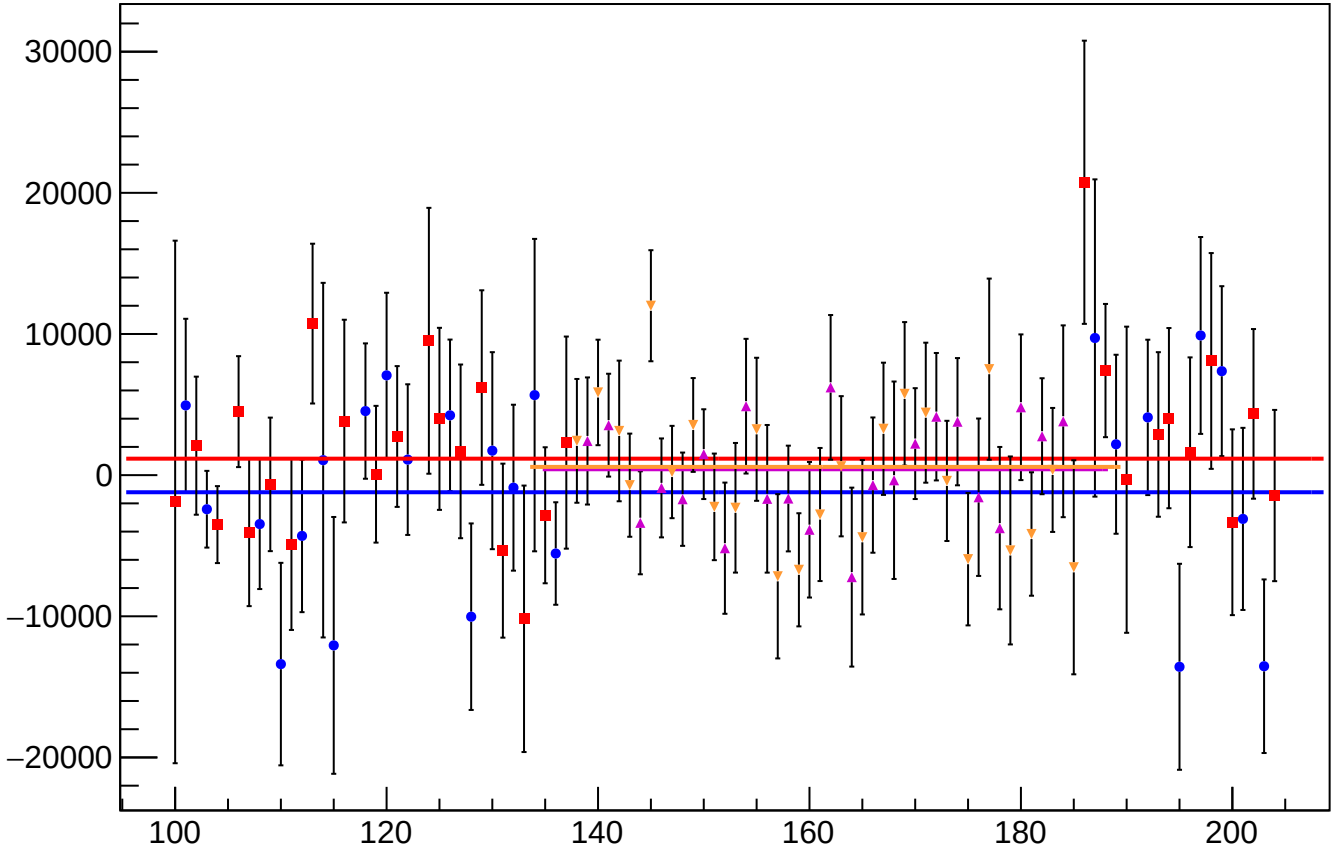
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3877.367+/-0.495 χ^2/NDF: 3221454.4/48

All: 3795.337+/-0.343 χ^2/NDF: 8470351.2/10

- sign 3719.996+/-0.475 χ^2/NDF: 5196292.1/51

asym_usr_atr2_dd_mean vs Slug



Right In: -1211.827+/-1144.572 χ^2/NDF: 28.2/23

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 1167.106+/-1053.139 χ^2/NDF: 21.4/28

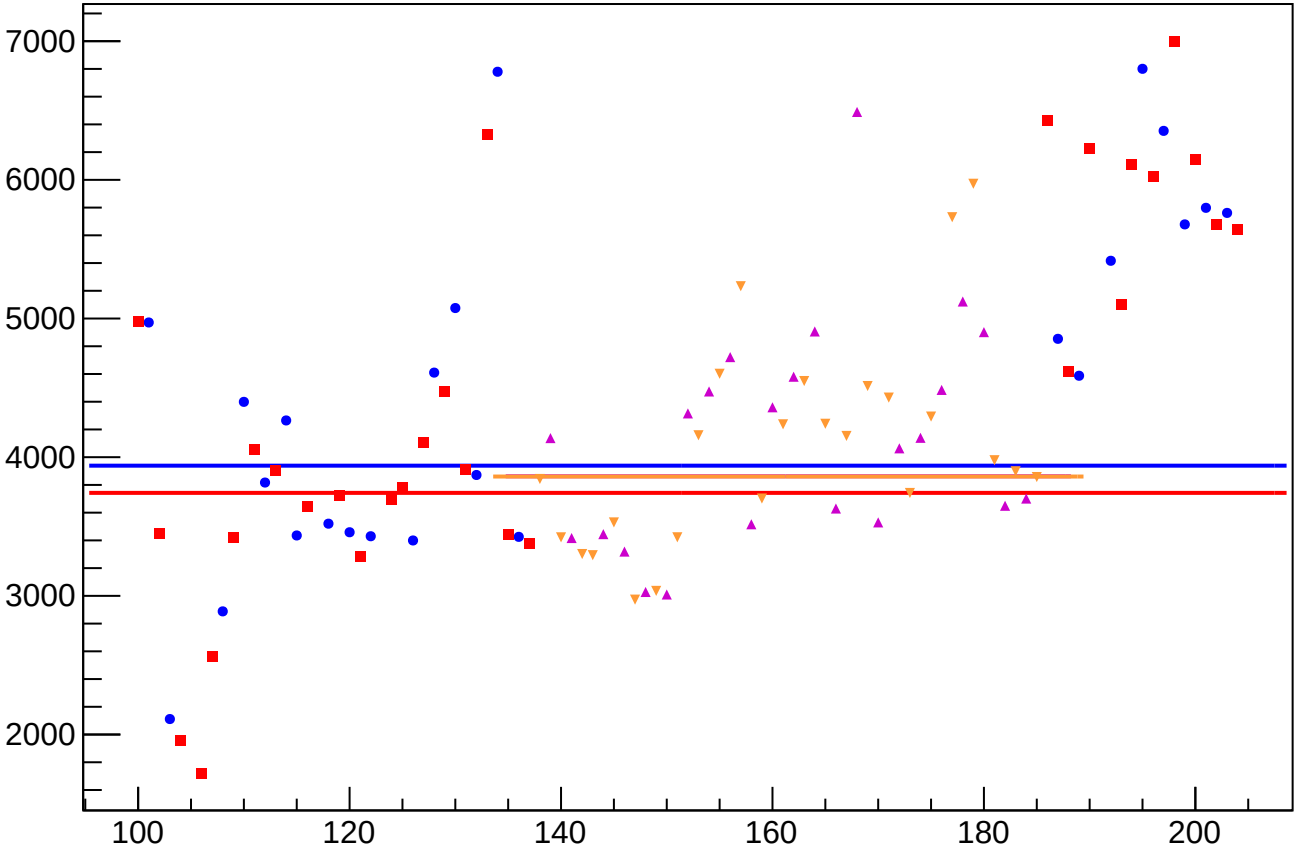
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

\+ sign -97.763+/-704.993 χ^2/NDF: 57.2/48

All: 329.237+/-494.005 χ^2/NDF: 92.1/100

\- sign 741.159+/-692.433 χ^2/NDF: 34.2/51

asym_usr_atr2_dd_rms vs Slug



Right In: 3938.864+/-0.809 χ^2/NDF: 2628657.5/23

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

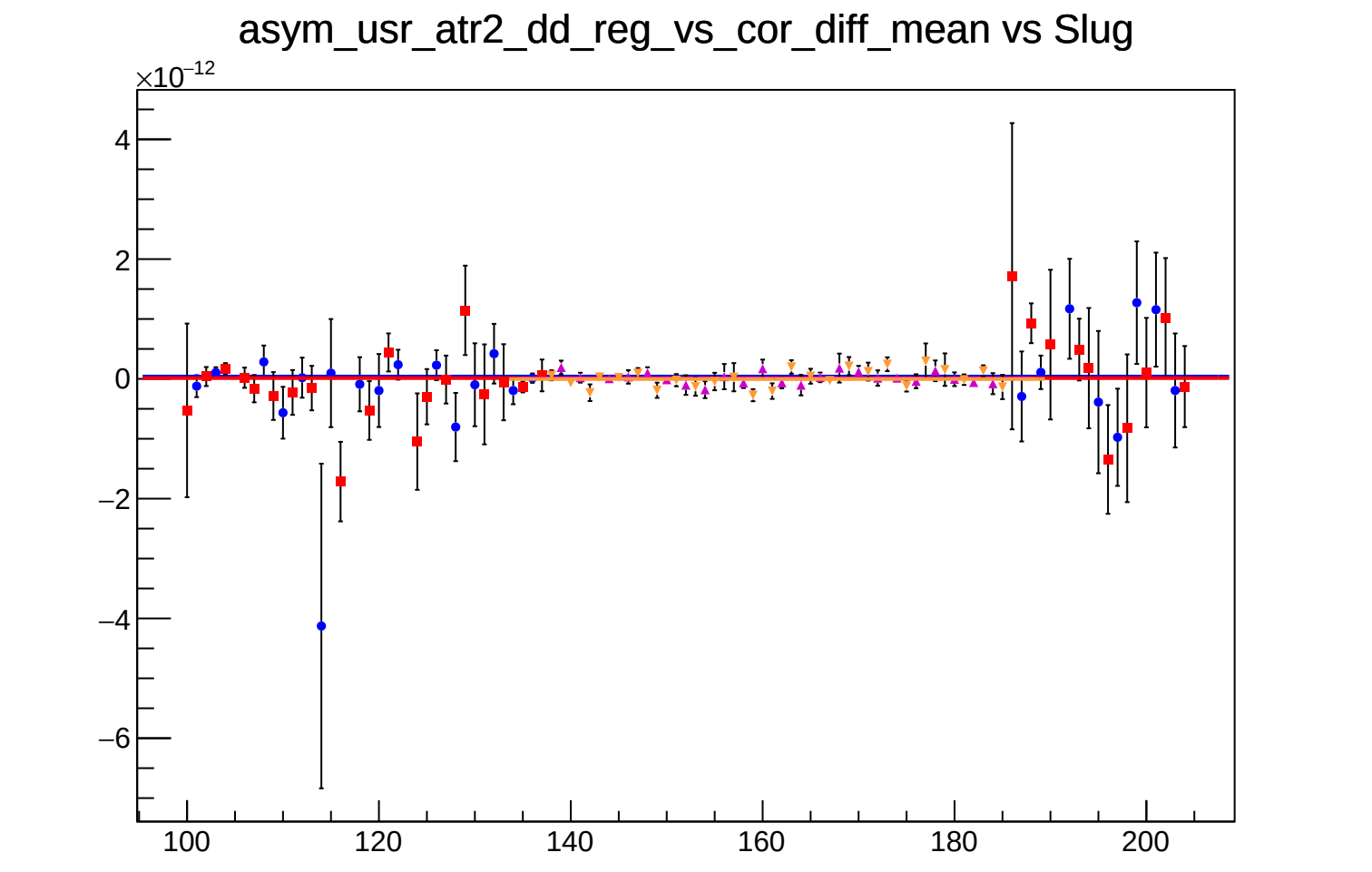
Right Out: 3742.651+/-0.735 χ^2/NDF: 3886812.5/28

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 3890.253+/-0.499 χ^2/NDF: 3731763.1/48

All: 3849.114+/-0.348 χ^2/NDF: 8788938.4/10

- sign 3809.859+/-0.487 χ^2/NDF: 5043866.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

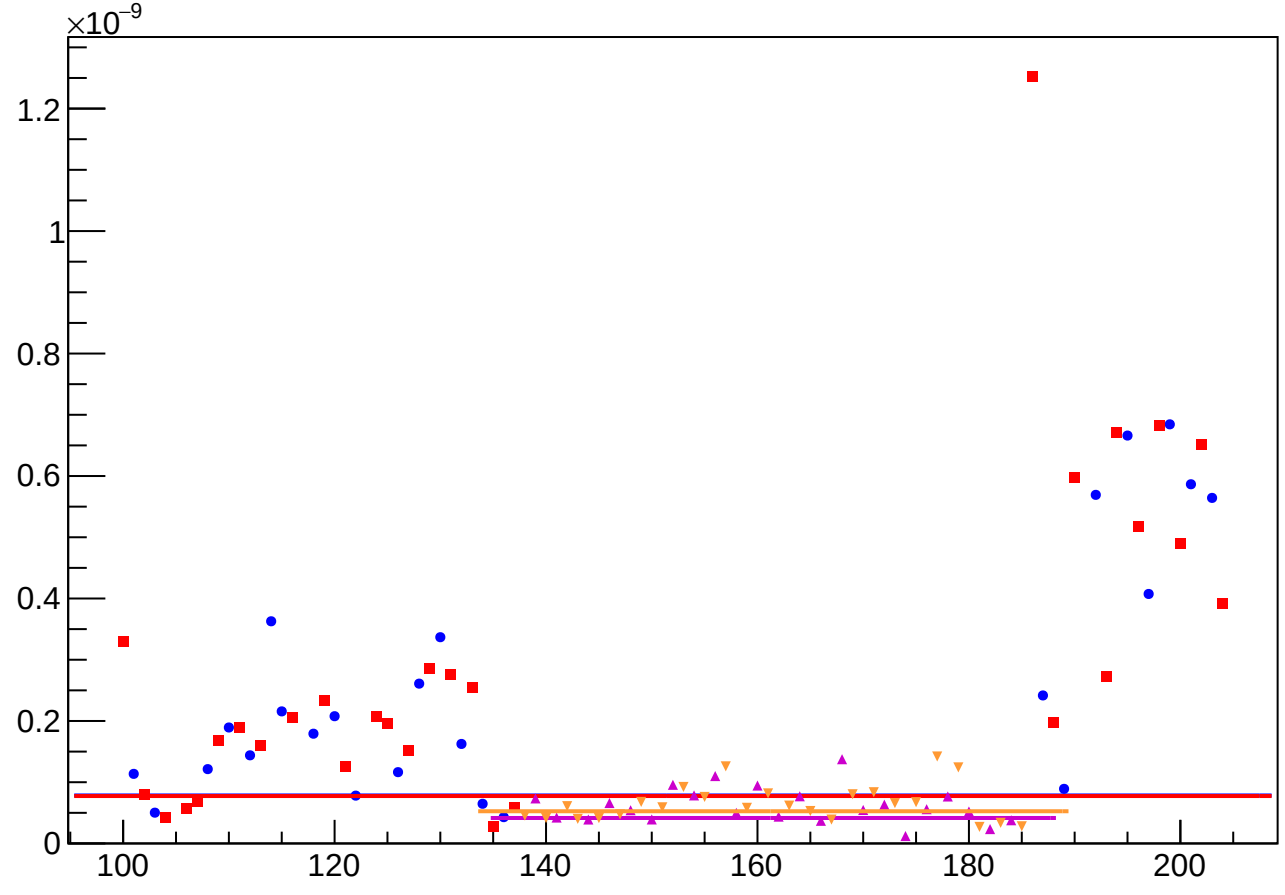
Right Out: 0.000+/-0.000 χ^2/NDF: 35.0/28

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/48

All: 0.000+/-0.000 χ^2/NDF: 101.3/100

- sign 0.000+/-0.000 χ^2/NDF: 47.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 5196781.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6872499.4/28

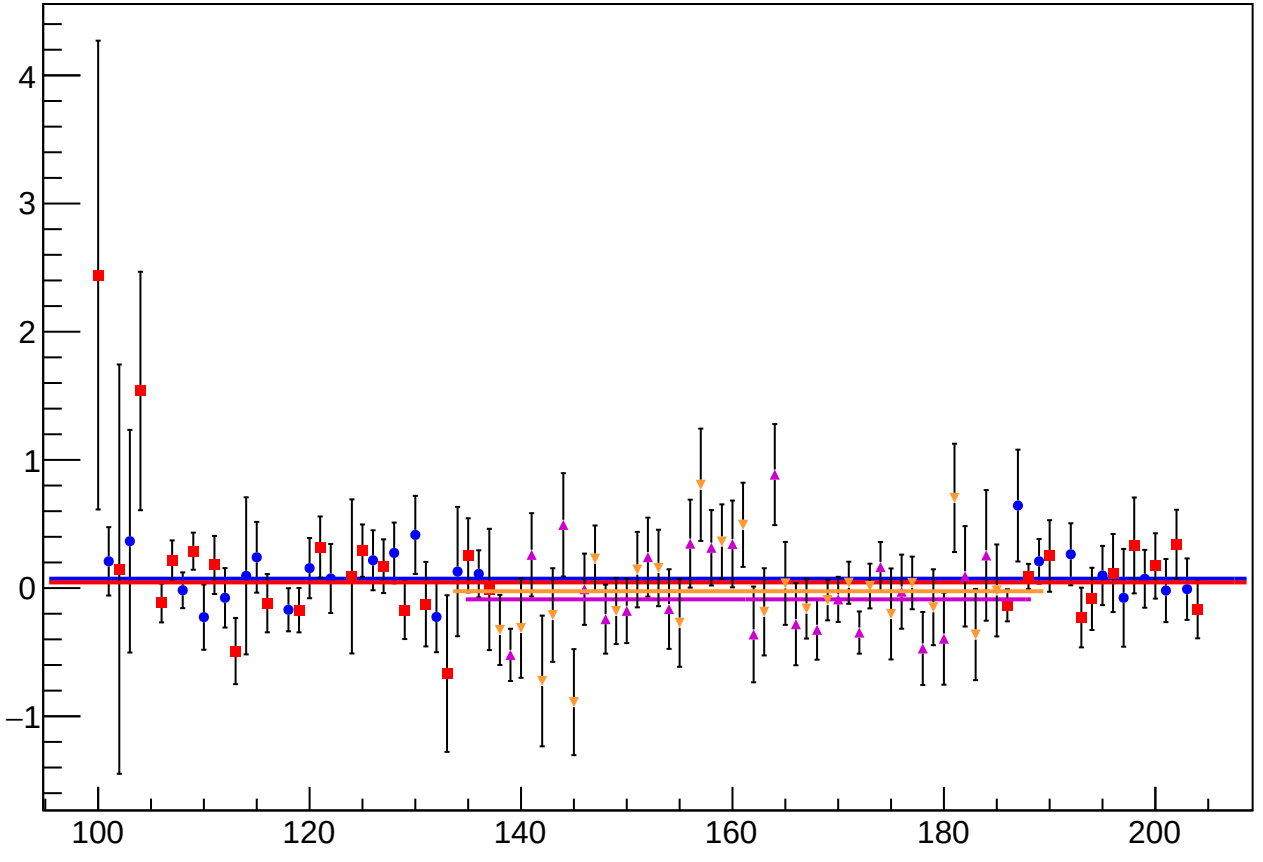
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7293424.8/48

All: 0.000+/-0.000 χ^2/NDF: 18352698.5/100

- sign 0.000+/-0.000 χ^2/NDF: 10758809.5/51

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.073+/-0.049 χ^2/NDF: 12.1/23

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.044+/-0.040 χ^2/NDF: 29.9/28

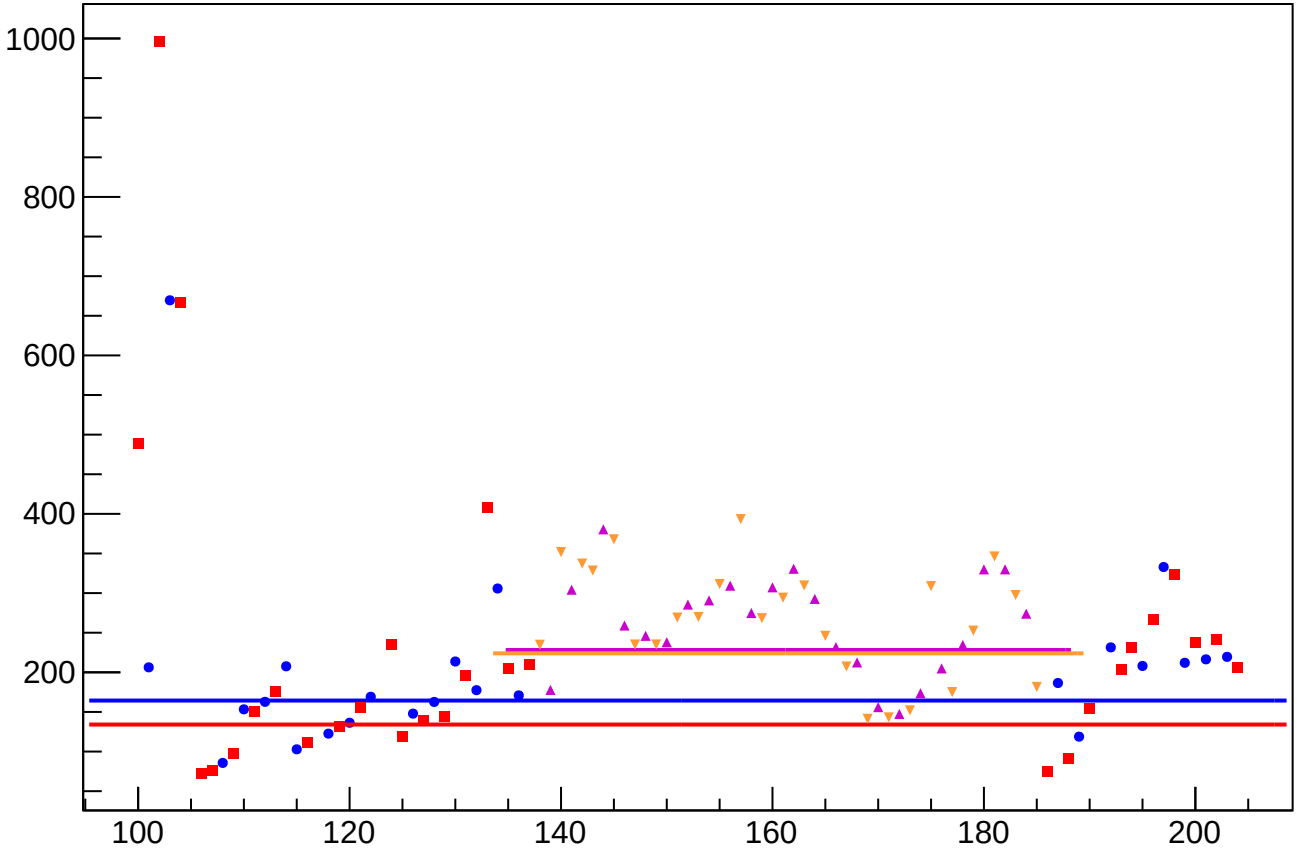
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.029+/-0.037 χ^2/NDF: 38.0/48

All: 0.013+/-0.024 χ^2/NDF: 101.8/100

- sign 0.000+/-0.033 χ^2/NDF: 63.5/51

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.384+/-0.035 χ^2/NDF: 2897689.3/23

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 134.099+/-0.028 χ^2/NDF: 5969427.5/28

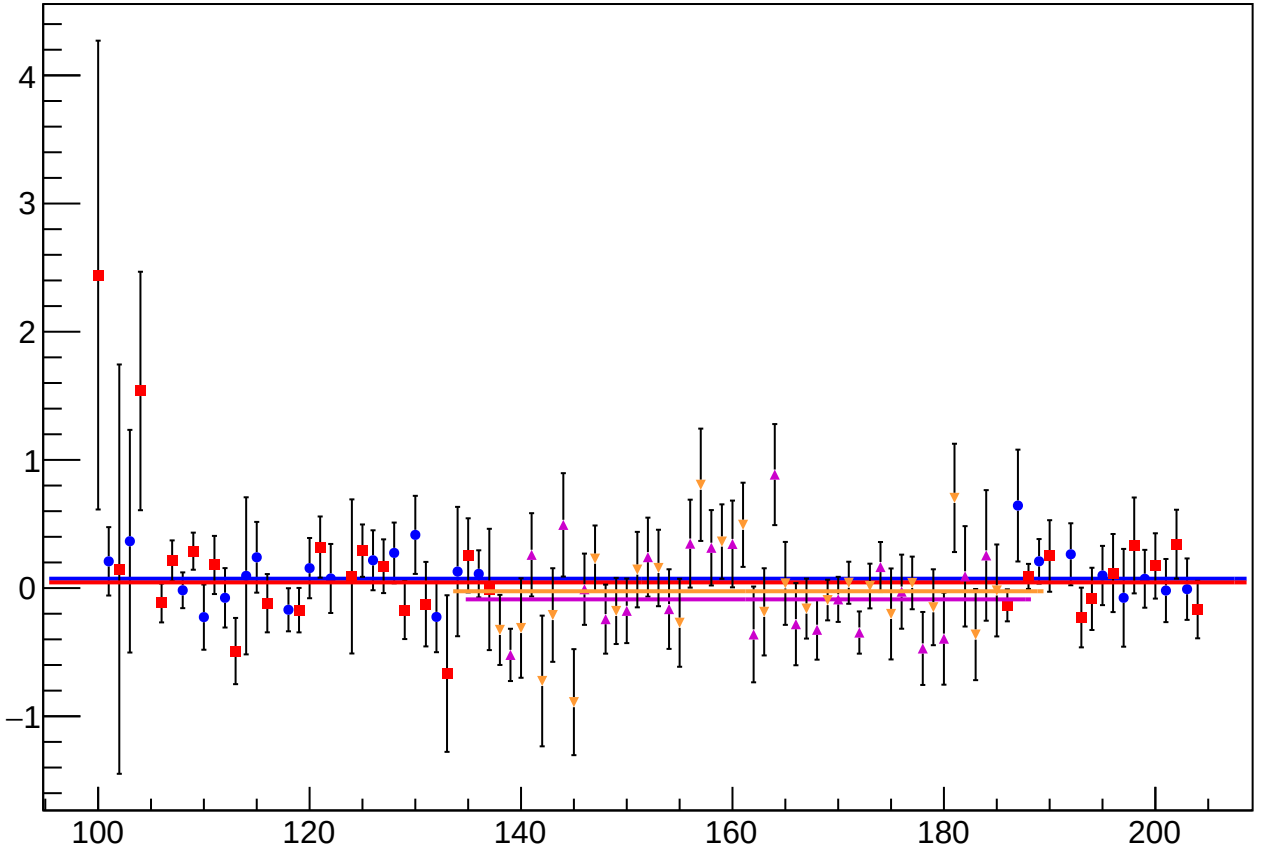
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 191.108+/-0.026 χ^2/NDF: 7648267.8/48

All: 176.972+/-0.017 χ^2/NDF: 20314927.5/10

- sign 165.611+/-0.023 χ^2/NDF: 12127757.5/51

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.073+/-0.049 χ^2/NDF: 12.1/23

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.044+/-0.040 χ^2/NDF: 29.9/28

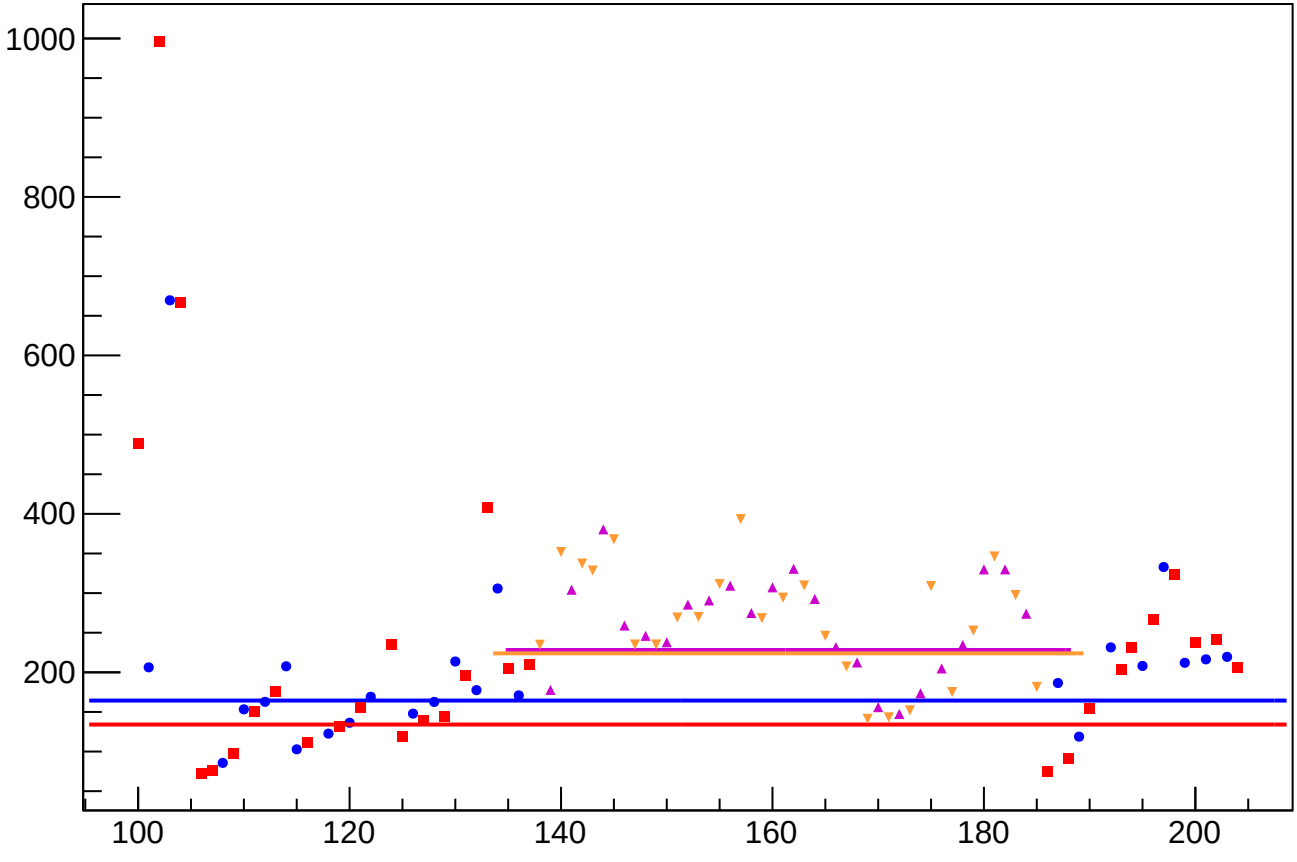
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.029+/-0.037 χ^2/NDF: 38.0/48

All: 0.013+/-0.024 χ^2/NDF: 101.8/100

- sign 0.000+/-0.033 χ^2/NDF: 63.5/51

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 164.384+/-0.035 χ^2/NDF: 2897689.3/23

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

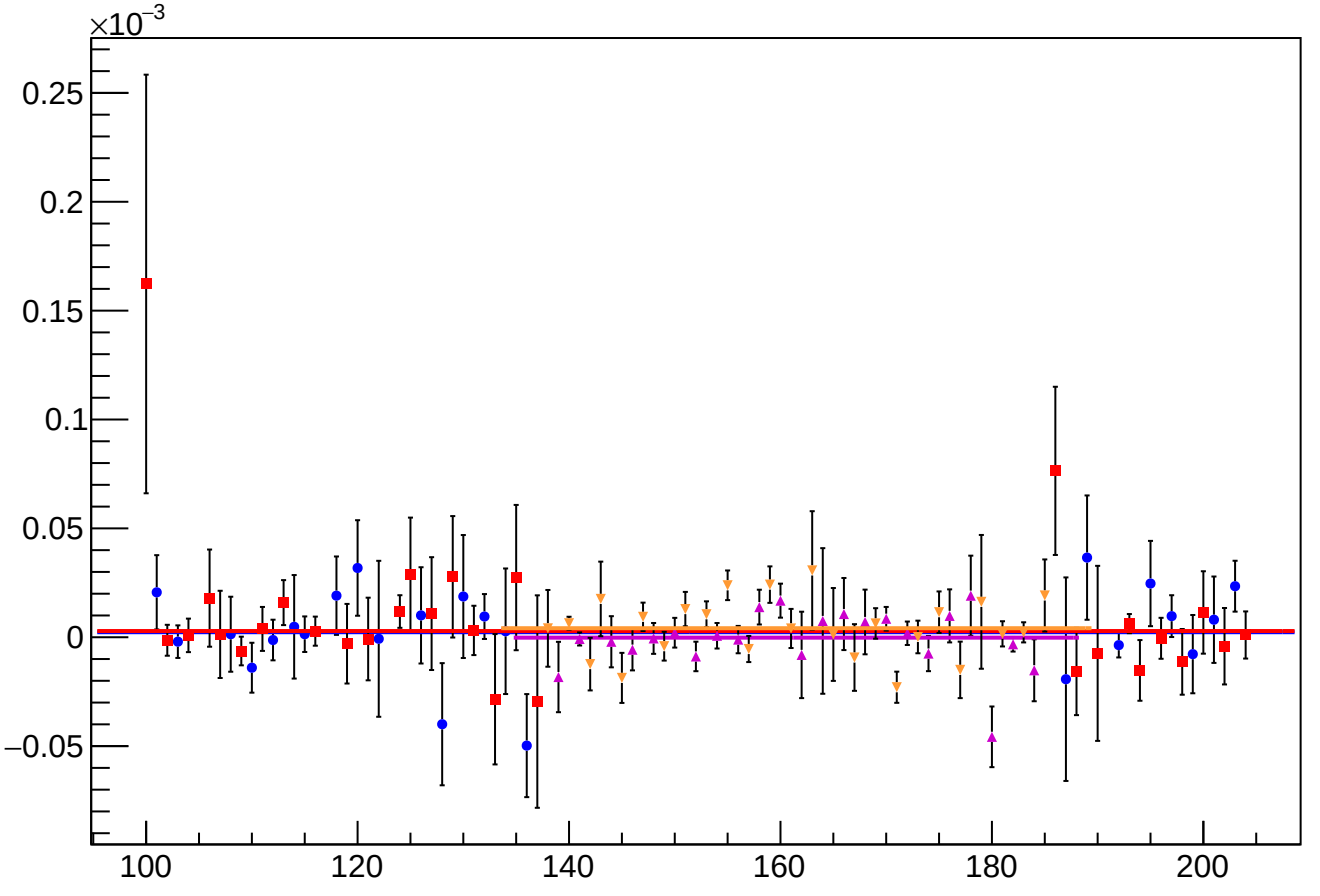
Right Out: 134.099+/-0.028 χ^2/NDF: 5969427.5/28

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 191.108+/-0.026 χ^2/NDF: 7648267.8/48

All: 176.972+/-0.017 χ^2/NDF: 20314927.5/10

- sign 165.611+/-0.023 χ^2/NDF: 12127757.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/28

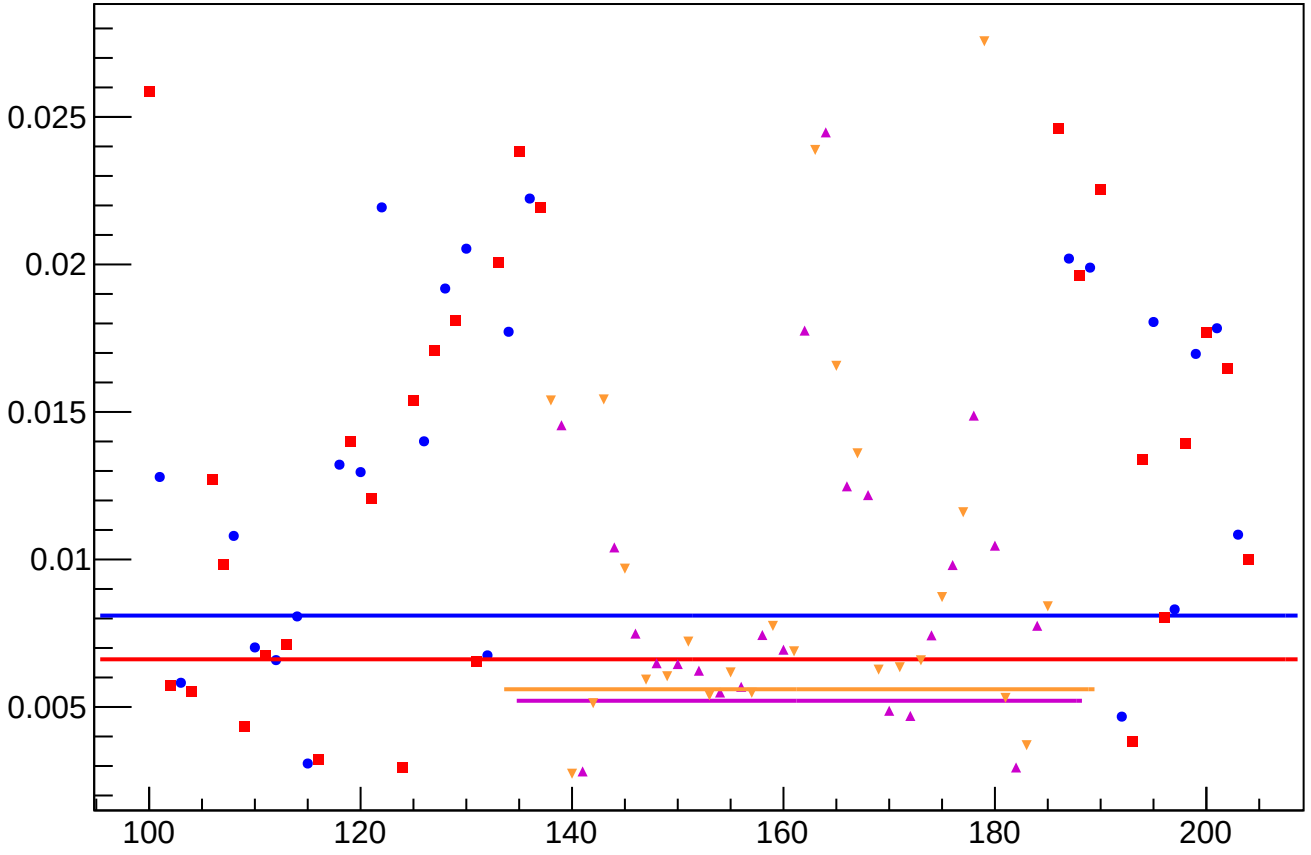
Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.0/48

All: 0.000+/-0.000 χ^2/NDF: 127.2/100

- sign 0.000+/-0.000 χ^2/NDF: 52.5/51

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 6385835.4/23

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8997435.9/28

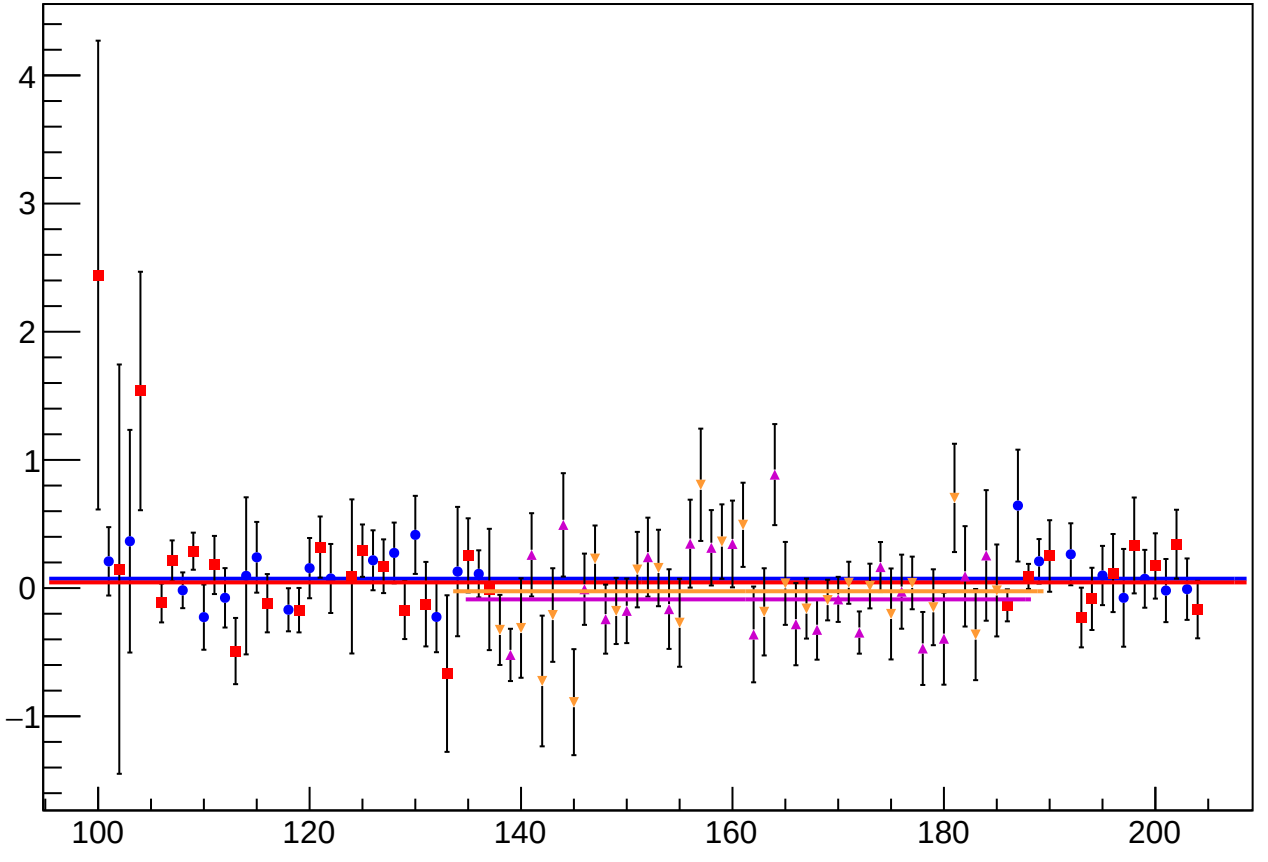
Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

+ sign 0.006+/-0.000 χ^2/NDF: 15516463.9/48

All: 0.006+/-0.000 χ^2/NDF: 32779393.7/100

- sign 0.006+/-0.000 χ^2/NDF: 17083949.0/51

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.073+/-0.049 χ^2/NDF: 12.1/23

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

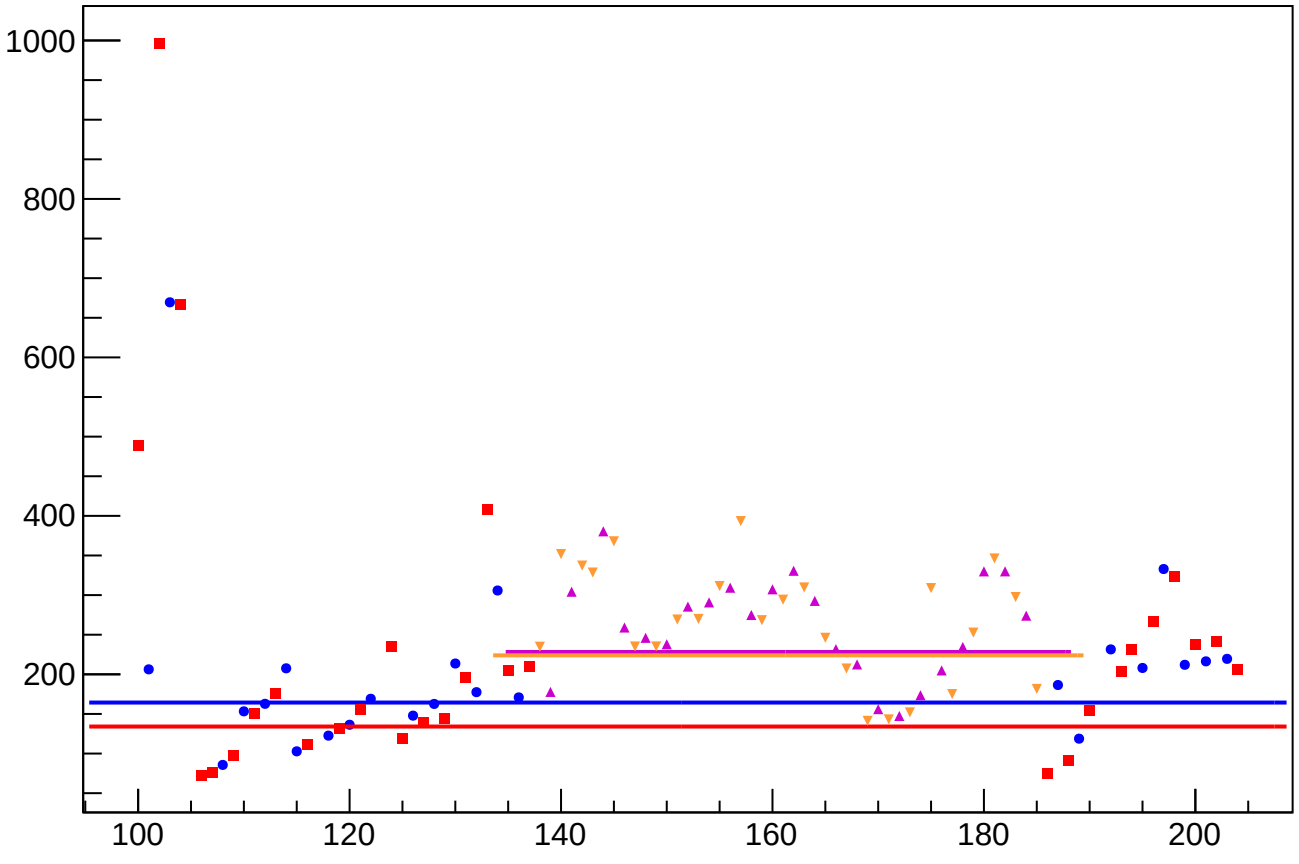
Right Out: 0.044+/-0.040 χ^2/NDF: 29.9/28

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.029+/-0.037 χ^2/NDF: 38.0/48

All: 0.013+/-0.024 χ^2/NDF: 101.8/100

- sign 0.000+/-0.033 χ^2/NDF: 63.5/51



Right In: 164.381+/-0.035 χ^2/NDF: 2897889.2/23

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

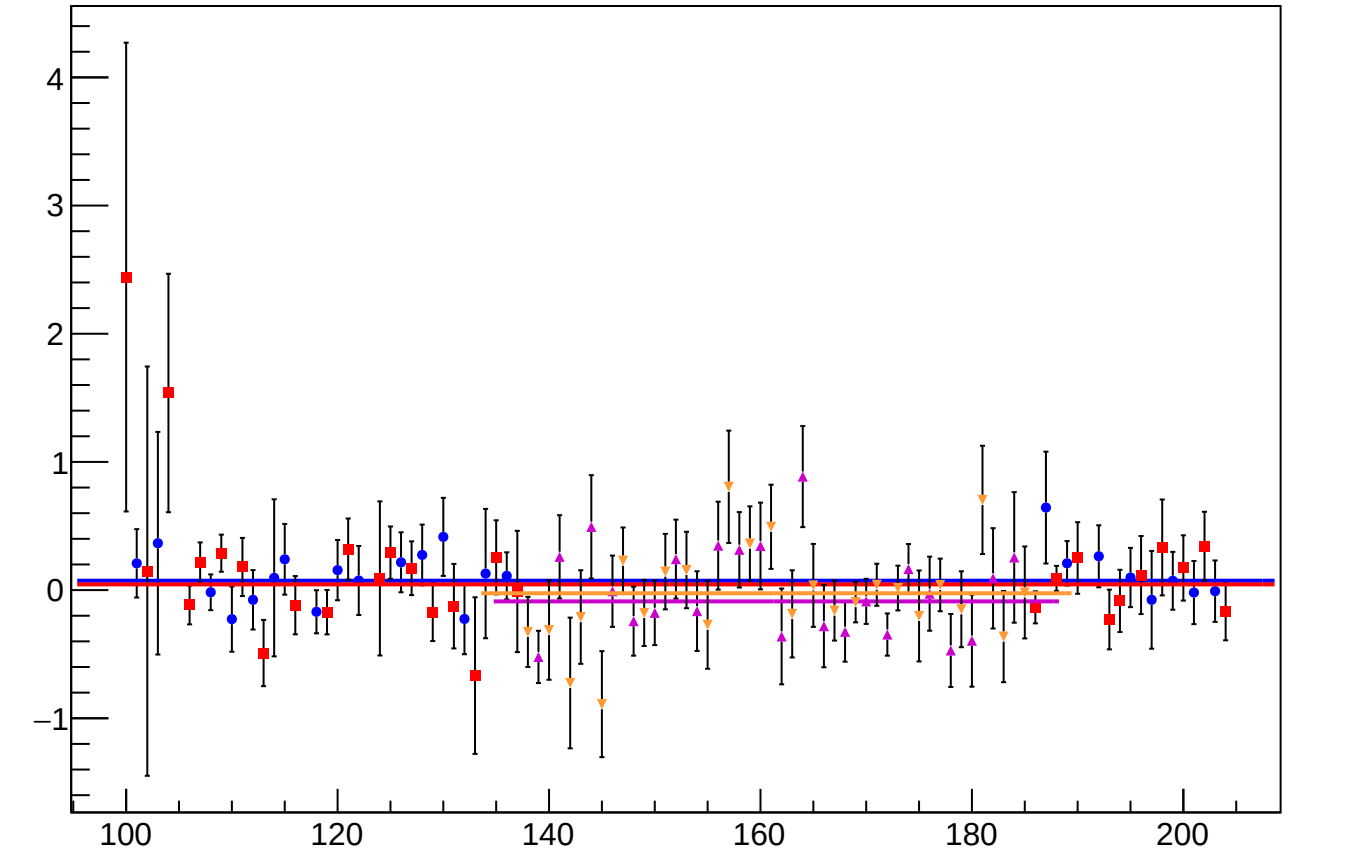
Right Out: 134.104+/-0.028 χ^2/NDF: 5968936.0/28

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 191.106+/-0.026 χ^2/NDF: 7648777.2/48

All: 176.974+/-0.017 χ^2/NDF: 20314352.1/10

- sign 165.616+/-0.023 χ^2/NDF: 12126950.3/51



Right In: 0.073+/-0.049 χ^2/NDF: 12.1/23

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

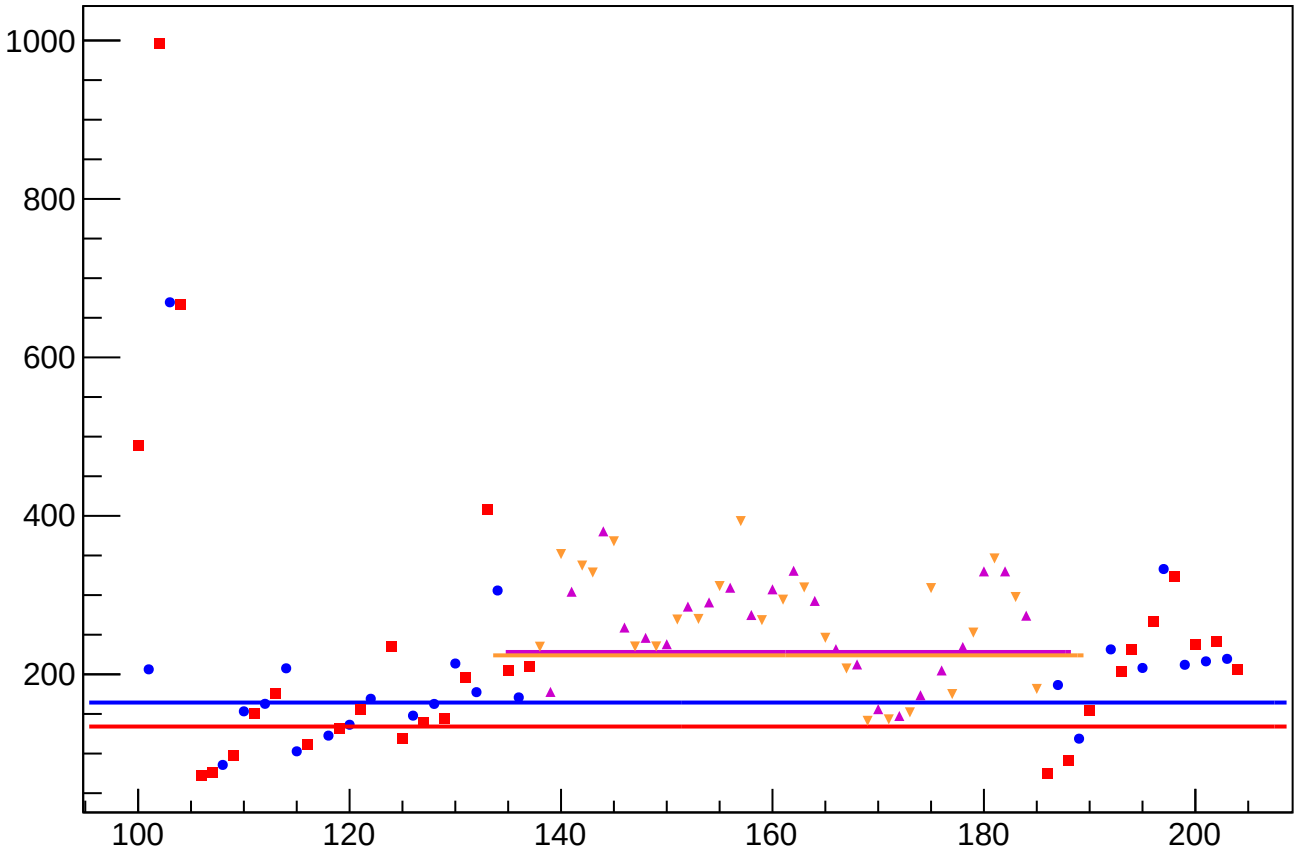
Right Out: 0.044+/-0.040 χ^2/NDF: 29.9/28

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.029+/-0.037 χ^2/NDF: 38.0/48

All: 0.013+/-0.024 χ^2/NDF: 101.8/100

- sign 0.000+/-0.033 χ^2/NDF: 63.5/51



Right In: 164.381+/-0.035 χ^2/NDF: 2897889.2/23

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

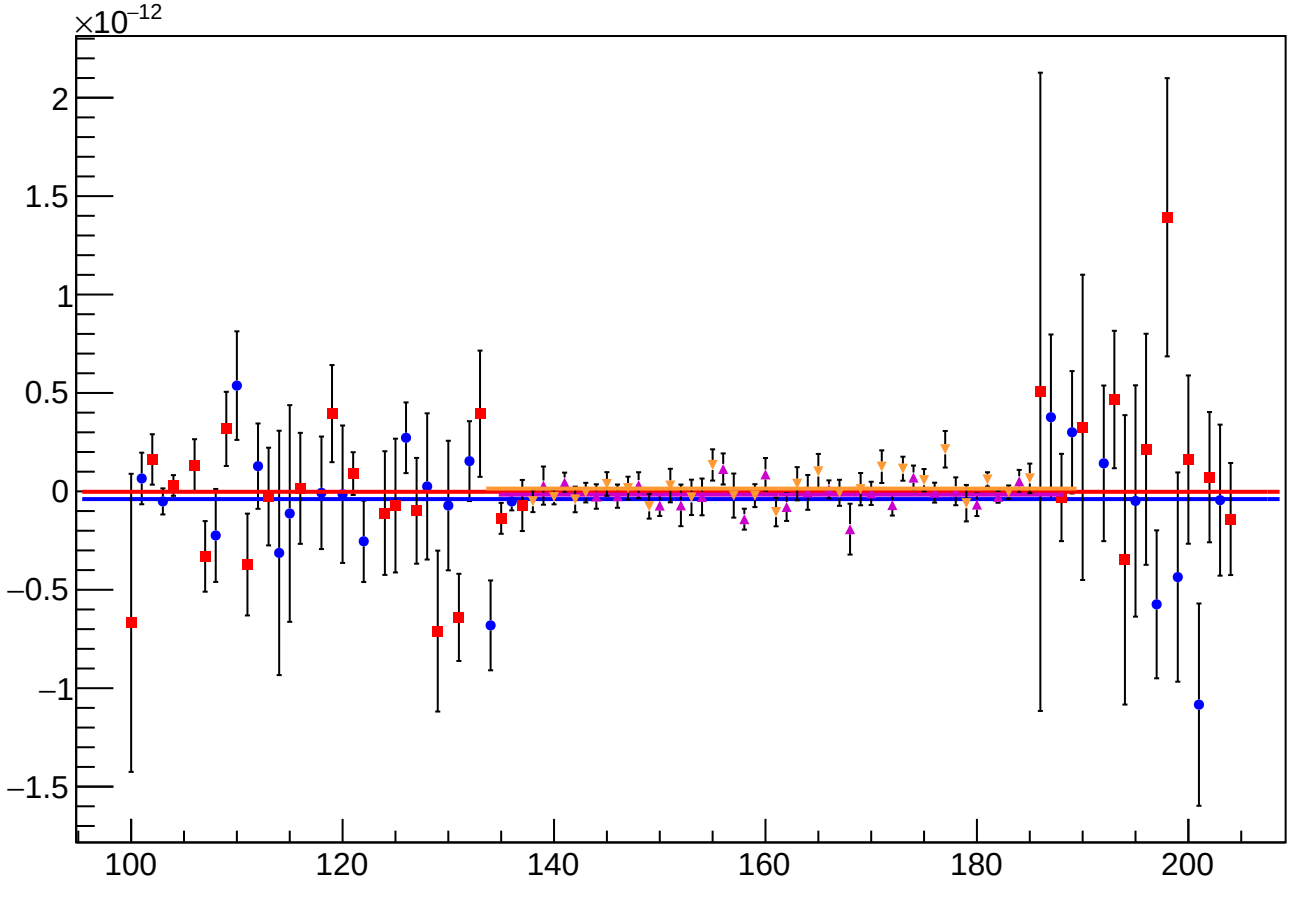
Right Out: 134.104+/-0.028 χ^2/NDF: 5968936.0/28

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 191.106+/-0.026 χ^2/NDF: 7648777.2/48

All: 176.974+/-0.017 χ^2/NDF: 20314352.1/10

- sign 165.616+/-0.023 χ^2/NDF: 12126950.3/51



Right In: -0.000+/-0.000 χ^2/NDF: 28.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

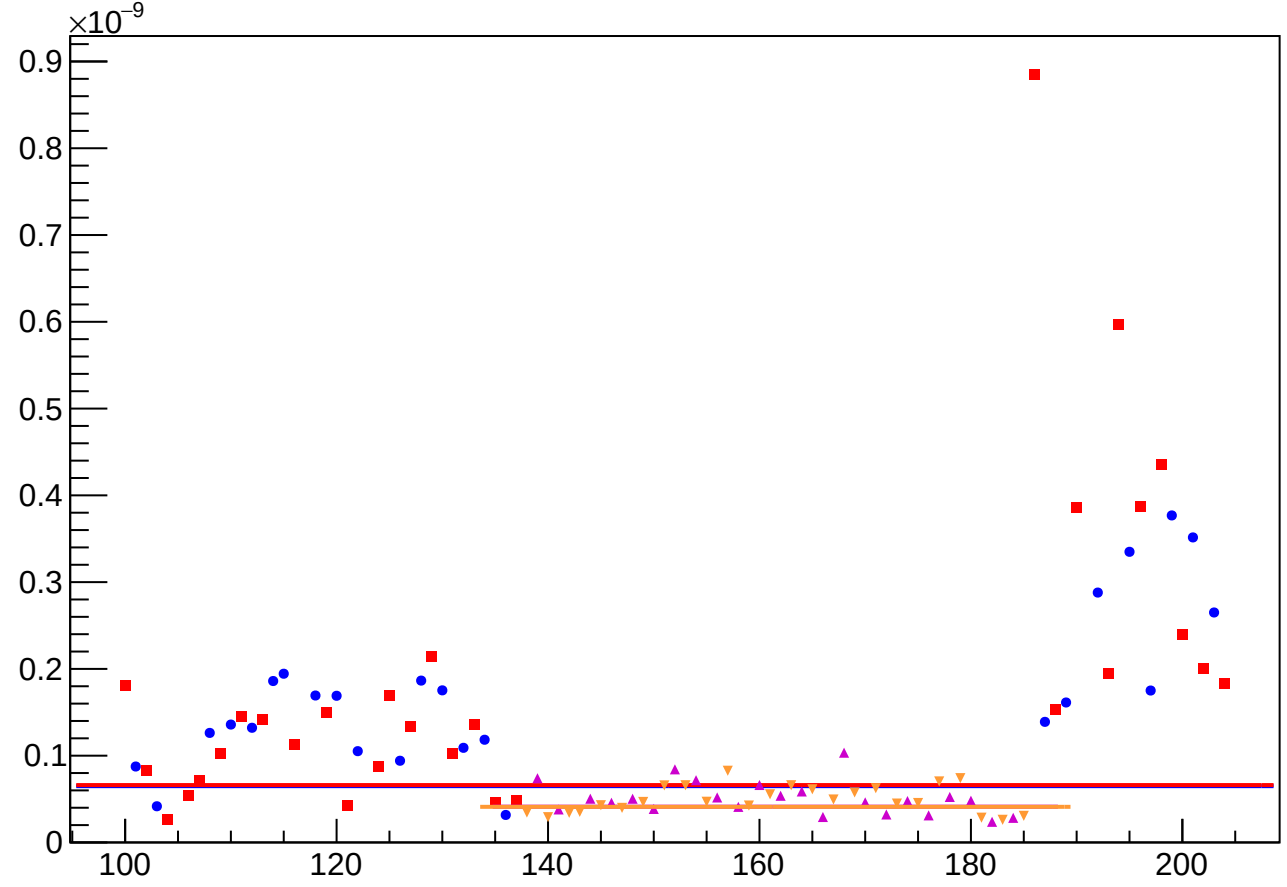
Right Out: -0.000+/-0.000 χ^2/NDF: 38.6/28

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.4/48

All: -0.000+/-0.000 χ^2/NDF: 118.8/100

- sign -0.000+/-0.000 χ^2/NDF: 60.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 6585296.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7554070.8/28

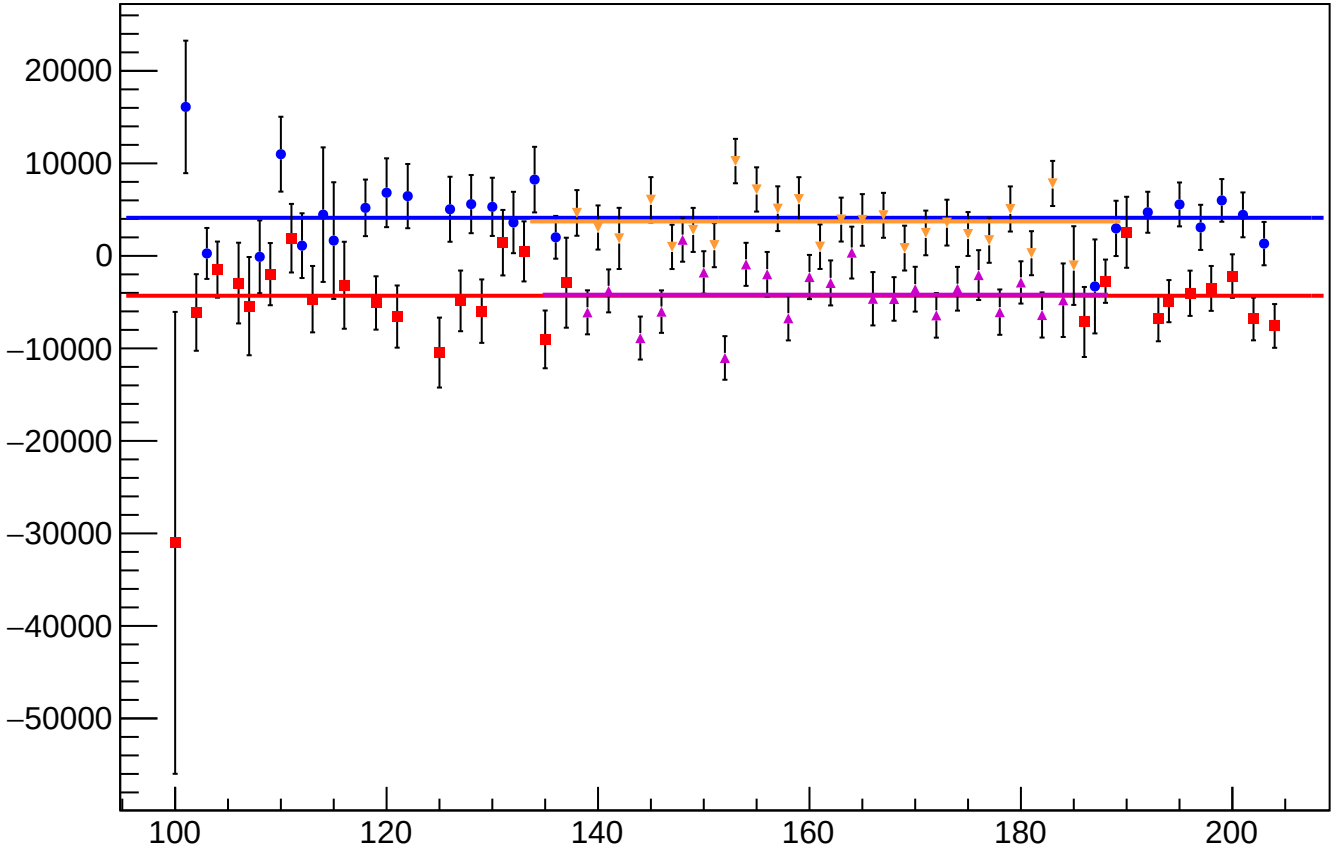
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10231733.8/48

All: 0.000+/-0.000 χ^2/NDF: 21753865.3/100

- sign 0.000+/-0.000 χ^2/NDF: 11520108.6/51

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4116.126+/-626.732 χ^2/NDF: 18.4/23

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -4308.658+/-589.572 χ^2/NDF: 25.6/27

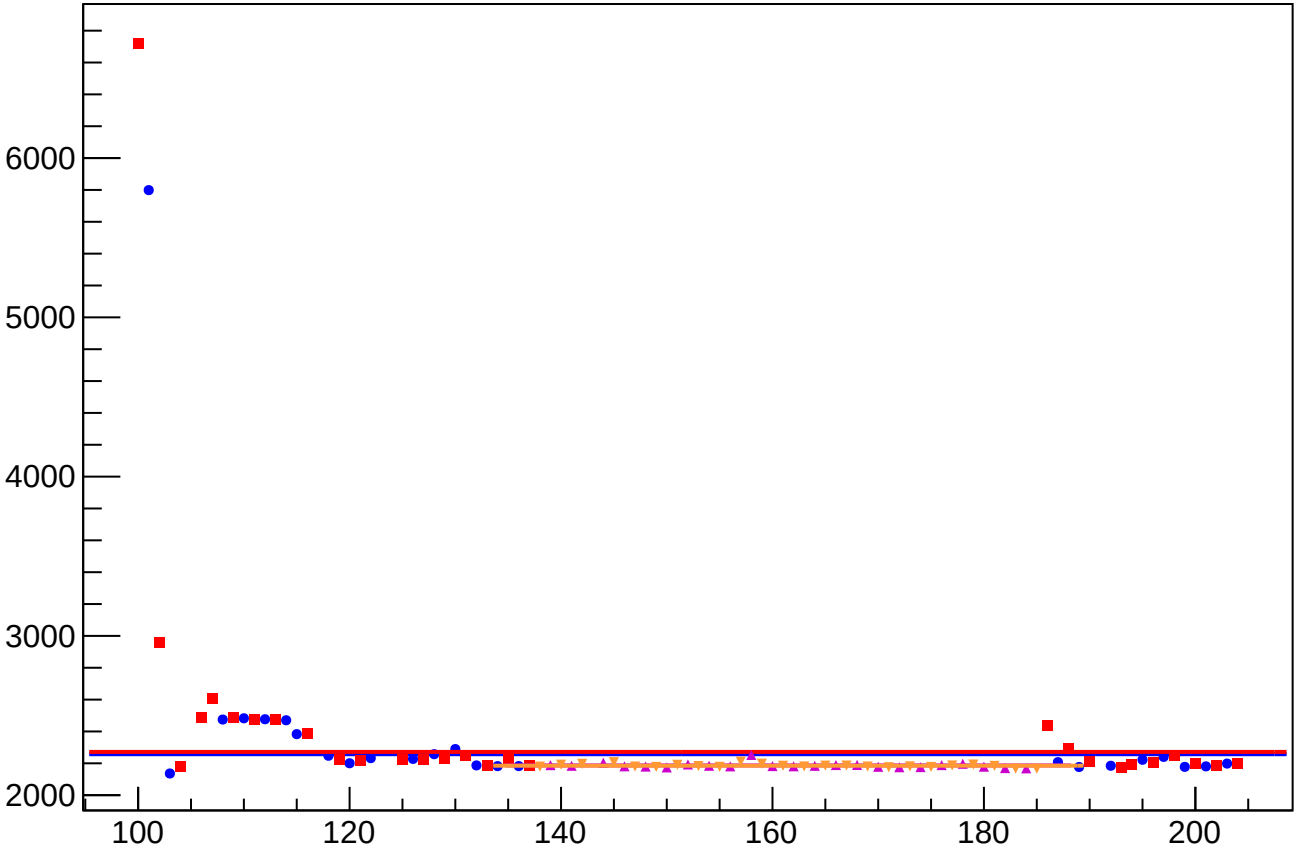
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3878.854+/-394.245 χ^2/NDF: 44.1/47

All: -268.917+/-275.799 χ^2/NDF: 318.6/98

- sign -4244.248+/-385.963 χ^2/NDF: 57.7/50

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2257.206+/-0.443 χ^2/NDF: 530552.4/23

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

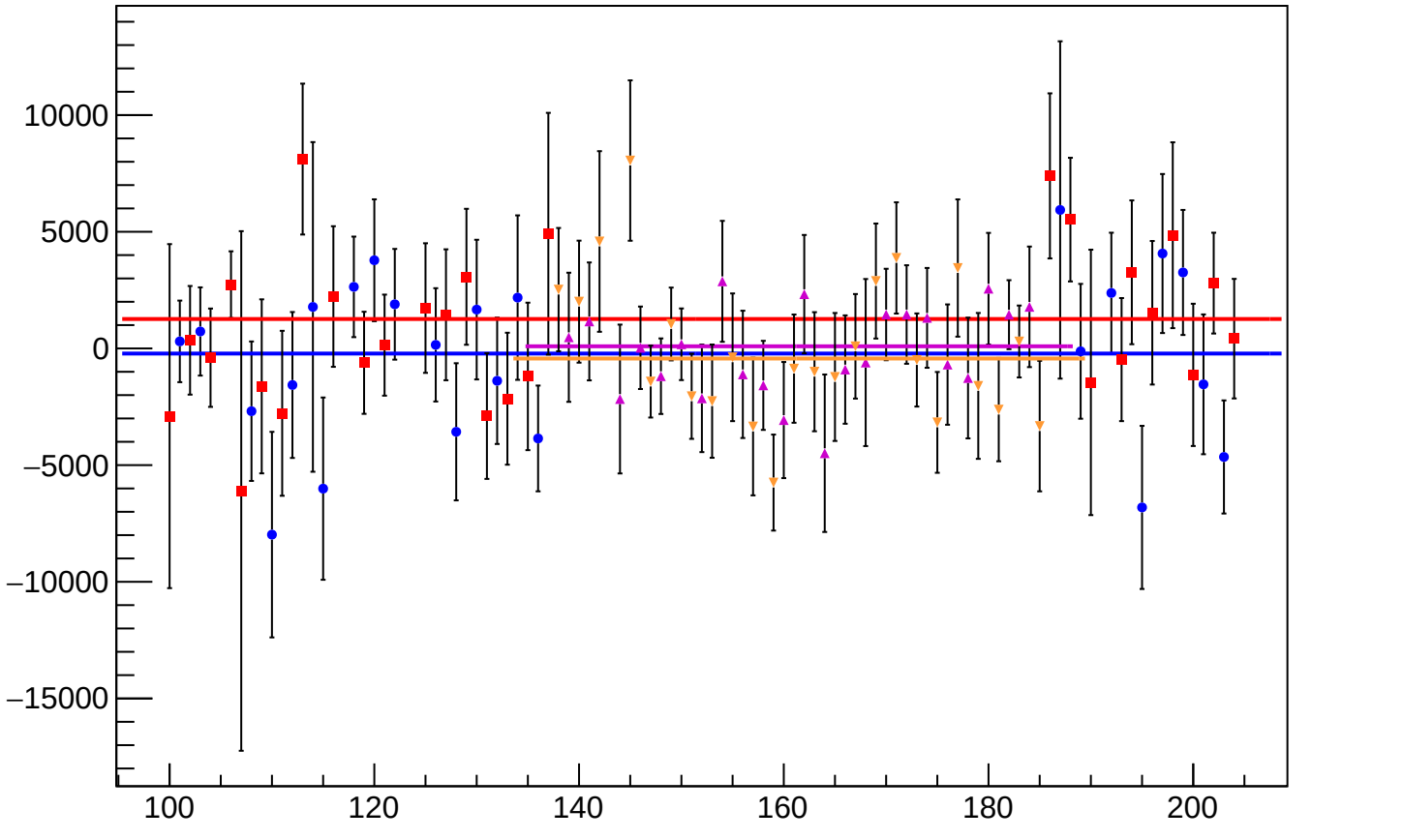
Right Out: 2271.598+/-0.417 χ^2/NDF: 178311.6/27

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2213.652+/-0.279 χ^2/NDF: 547351.0/47

All: 2218.482+/-0.195 χ^2/NDF: 751987.1/98

- sign 2223.110+/-0.273 χ^2/NDF: 204048.4/50



Right In: -218.609+/-560.311 χ^2/NDF: 28.5/23

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

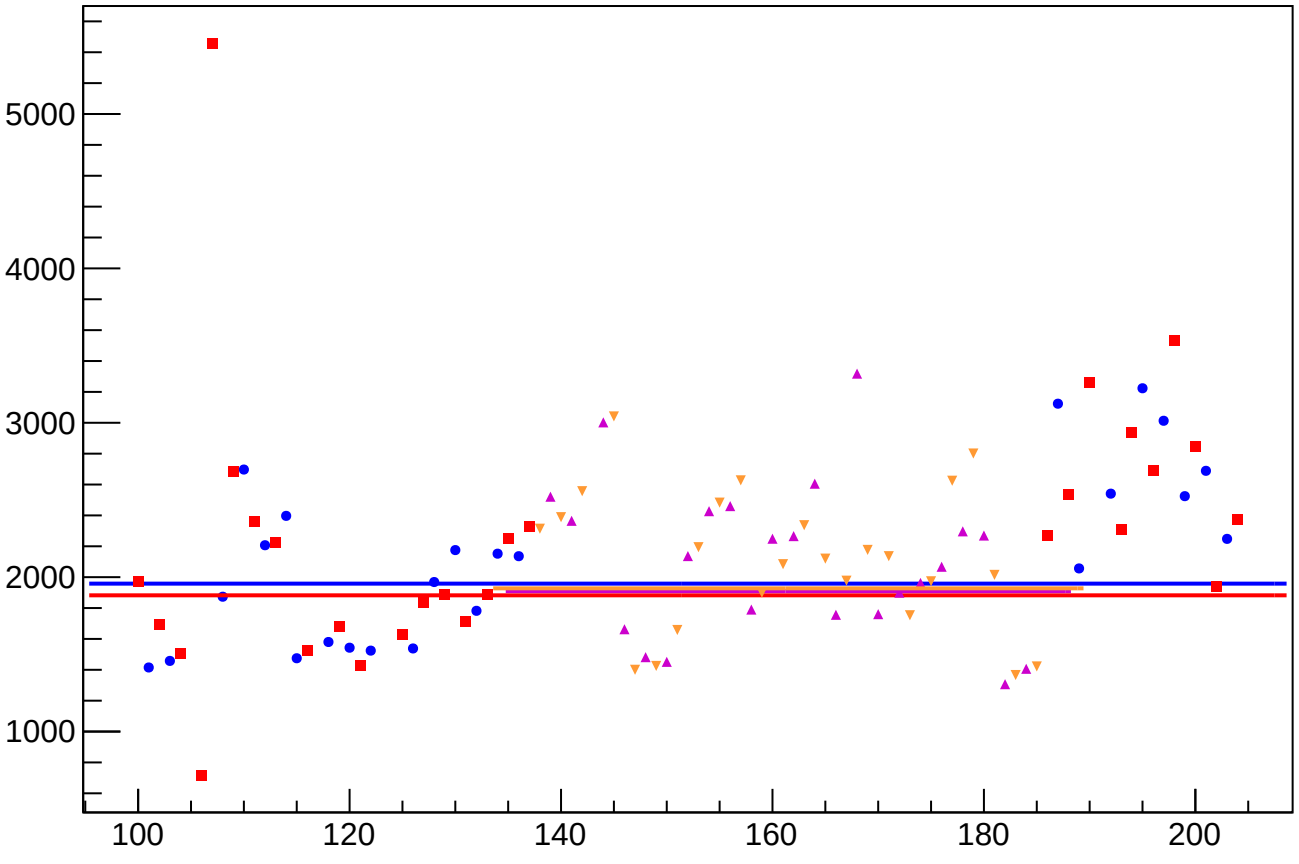
Right Out: 1261.721+/-525.124 χ^2/NDF: 24.2/27

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign -345.722+/-356.630 χ^2/NDF: 59.9/47

All: 141.585+/-248.443 χ^2/NDF: 103.3/98

- sign 601.072+/-346.301 χ^2/NDF: 39.8/50



Right In: 1958.121+/-0.396 χ^2/NDF: 1565616.6/23

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1882.406+/-0.371 χ^2/NDF: 3276856.6/27

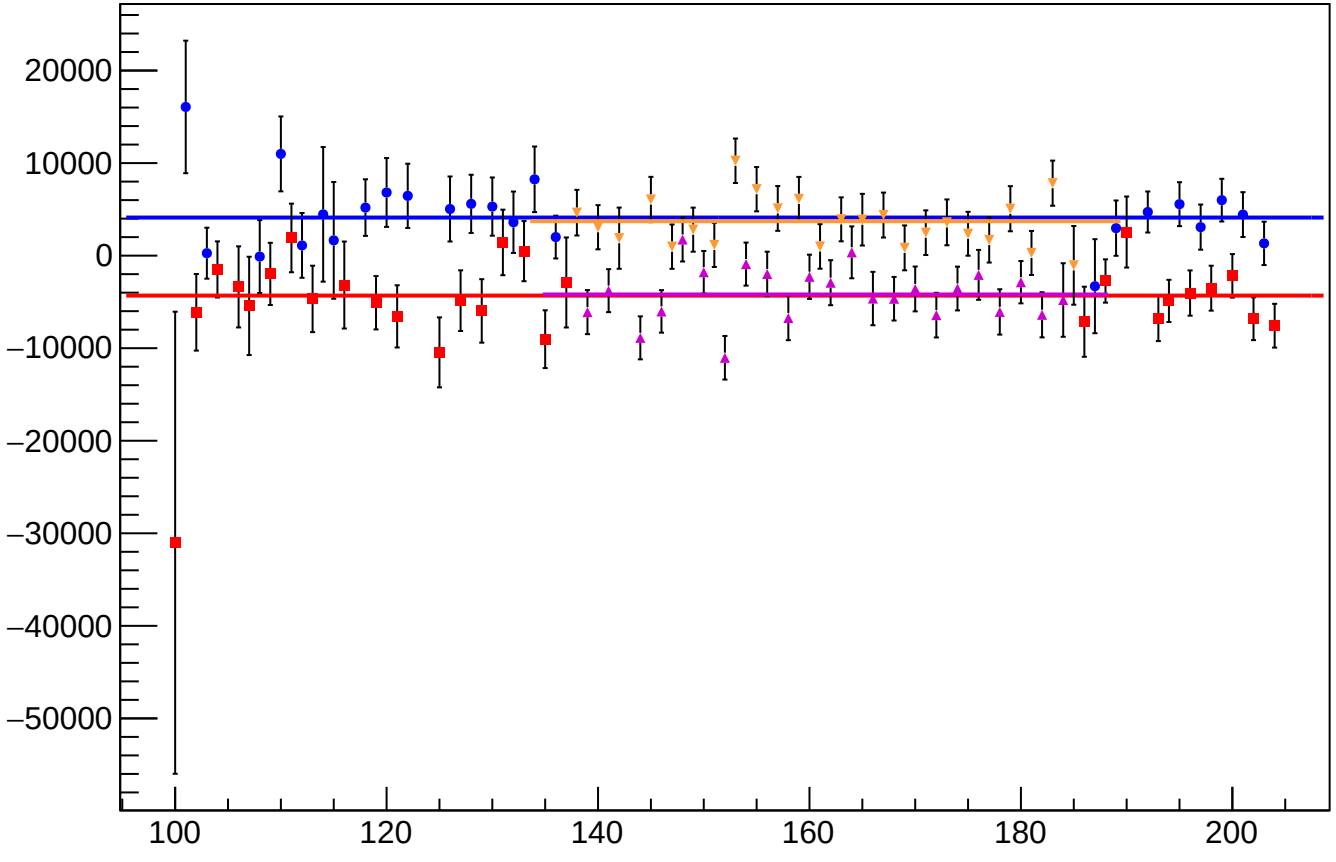
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1940.001+/-0.252 χ^2/NDF: 3367516.0/47

All: 1918.270+/-0.176 χ^2/NDF: 8604098.5/98

- sign 1897.780+/-0.245 χ^2/NDF: 5222155.2/50

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4115.894+/-626.732 χ^2/NDF: 18.4/23

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4316.981+/-589.619 χ^2/NDF: 25.5/27

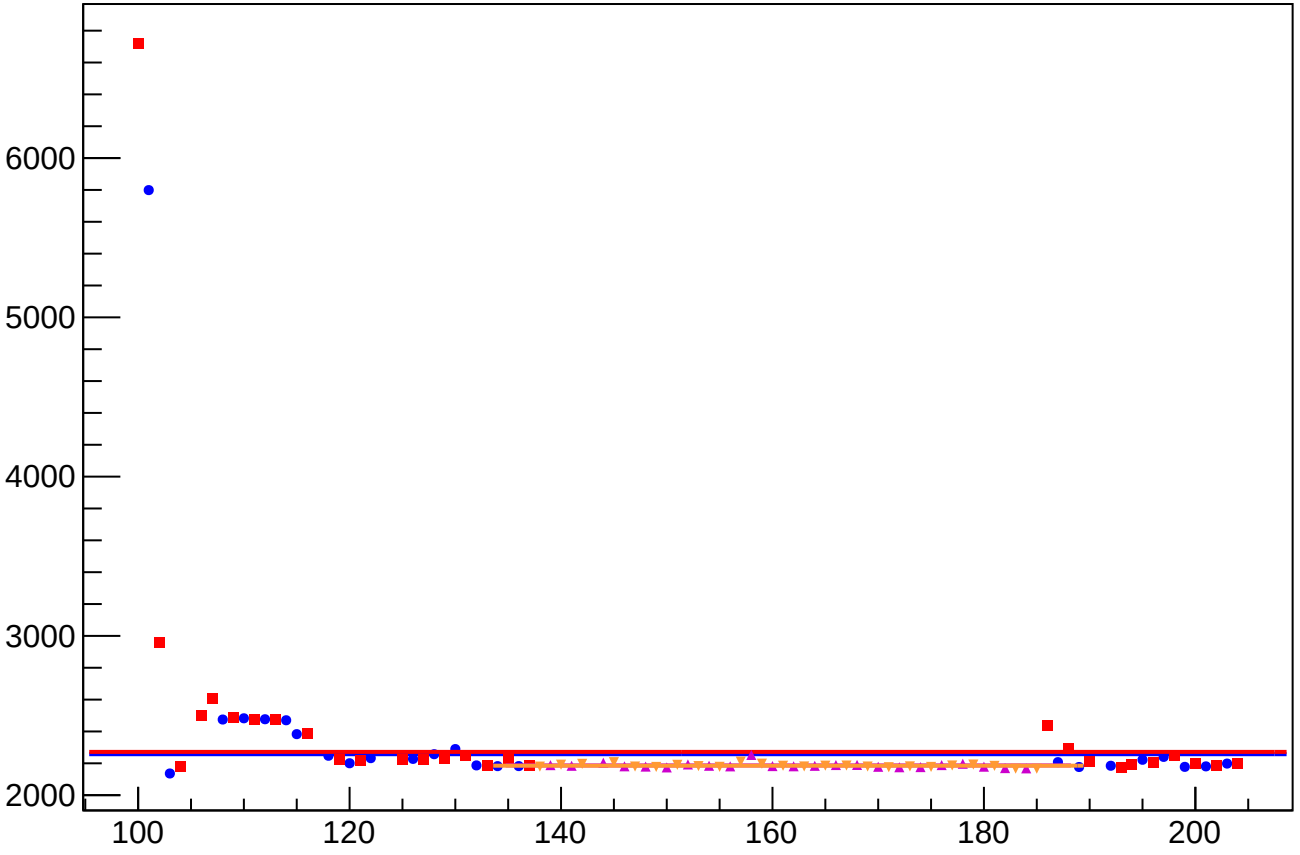
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3878.731+/-394.245 χ^2/NDF: 44.1/47

All: -270.694+/-275.803 χ^2/NDF: 318.7/98

- sign -4247.878+/-385.976 χ^2/NDF: 57.6/50

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2257.206+/-0.443 χ^2/NDF: 530552.9/23

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

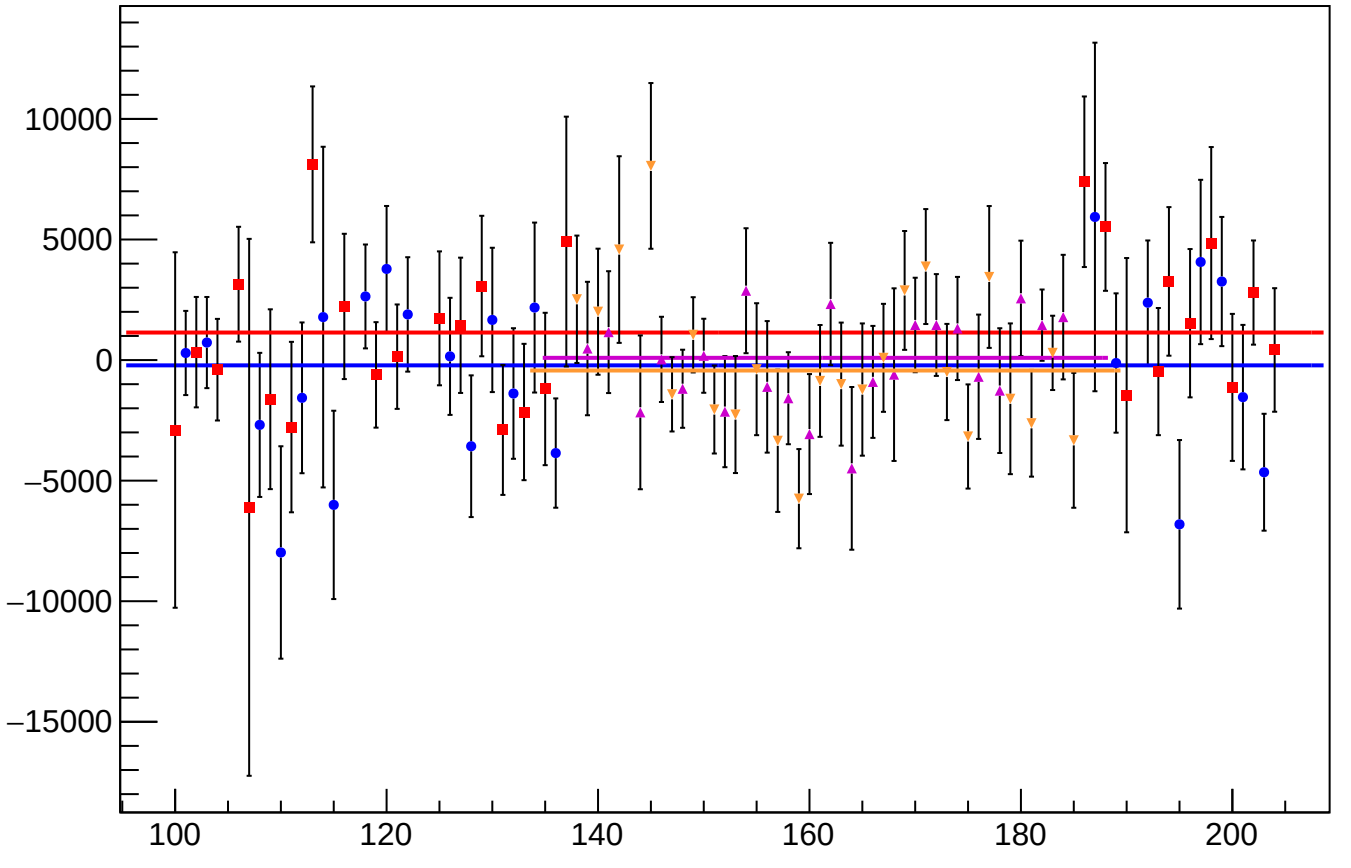
Right Out: 2271.758+/-0.417 χ^2/NDF: 178768.8/27

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2213.652+/-0.279 χ^2/NDF: 547351.3/47

All: 2218.515+/-0.195 χ^2/NDF: 752539.9/98

- sign 2223.175+/-0.273 χ^2/NDF: 204592.8/50



Right In: -219.320+/-560.232 χ^2/NDF: 28.5/23

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

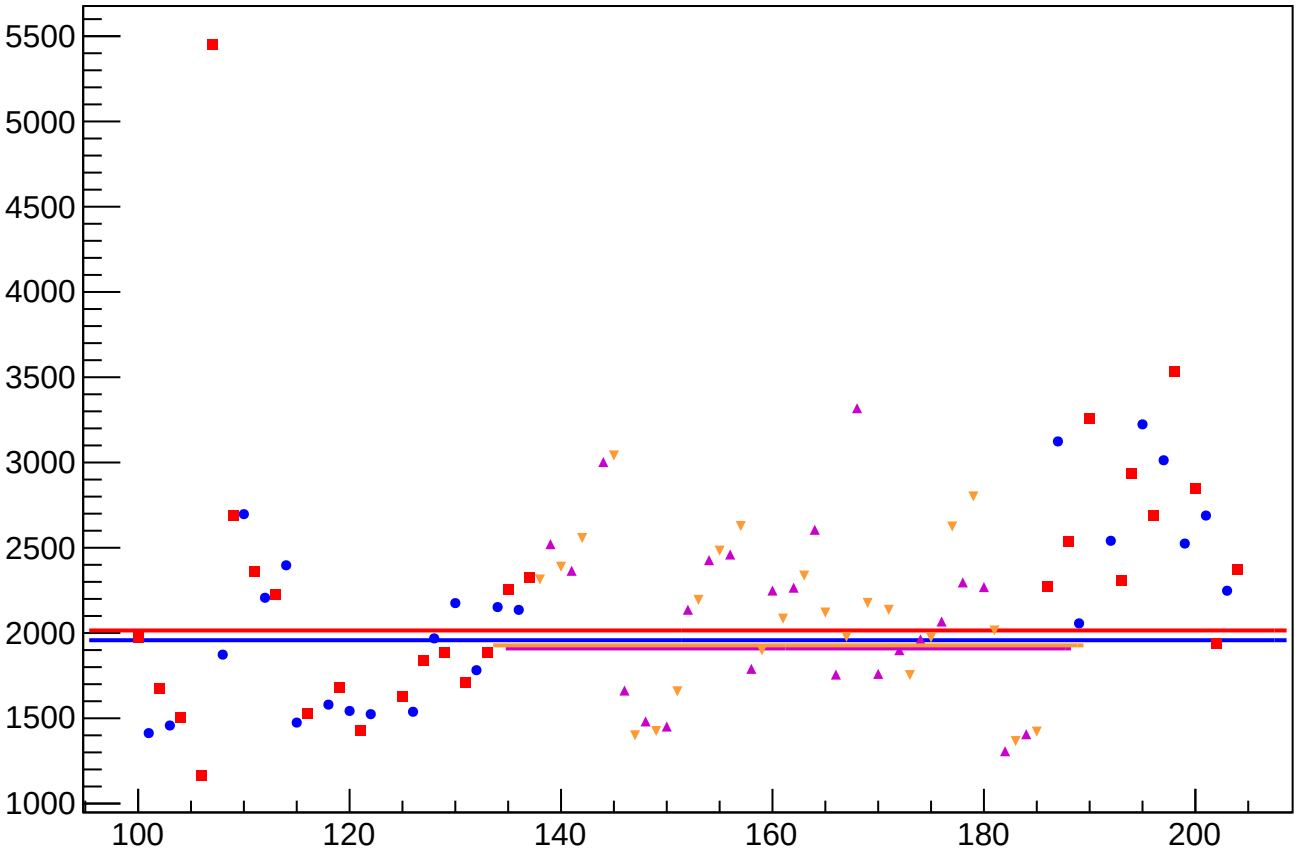
Right Out: 1141.813+/-548.850 χ^2/NDF: 23.7/27

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -346.016+/-356.610 χ^2/NDF: 59.9/47

All: 94.739+/-250.822 χ^2/NDF: 101.6/98

- sign 526.256+/-352.853 χ^2/NDF: 38.6/50



Right In: 1957.775+/-0.396 χ^2/NDF: 1567521.9/23

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 2015.063+/-0.388 χ^2/NDF: 2009889.2/27

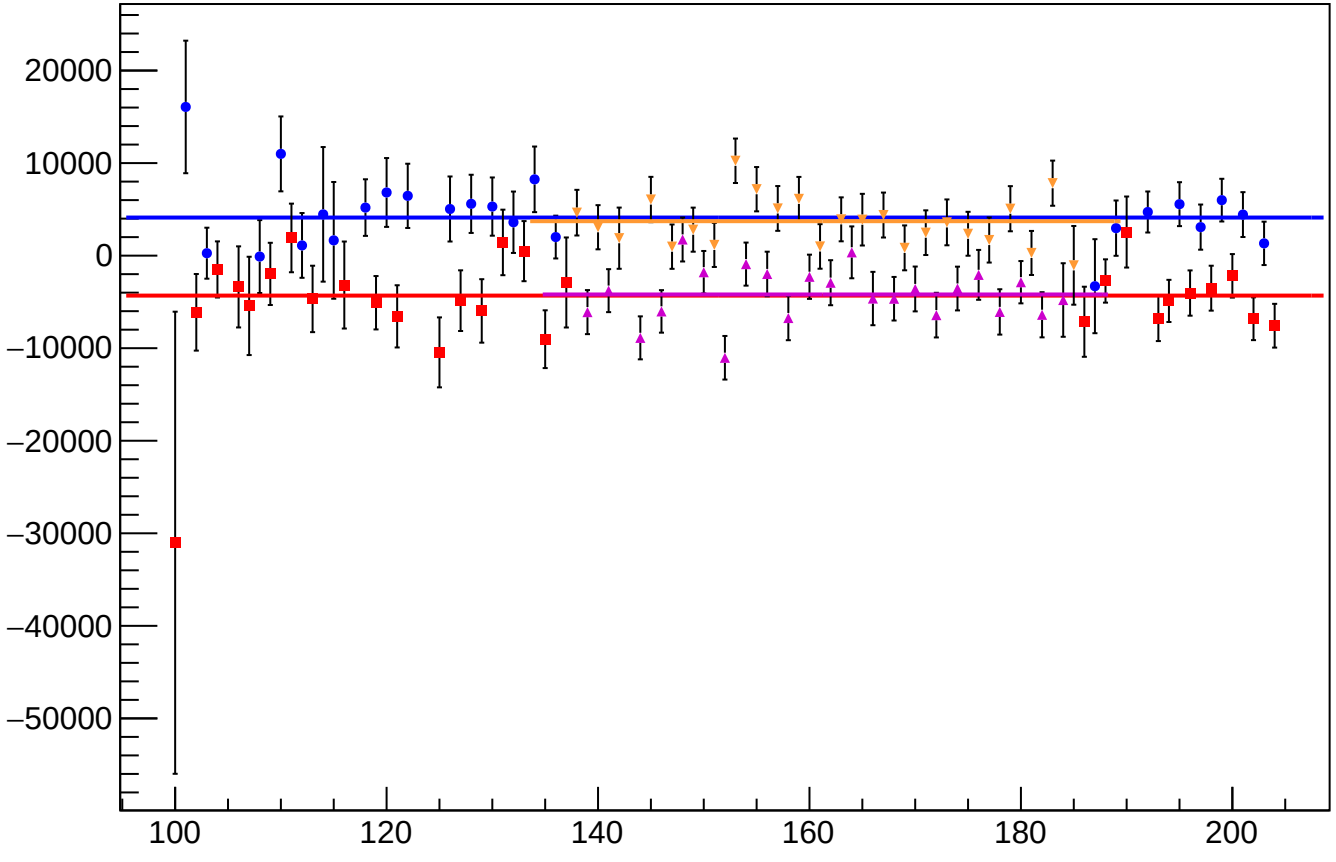
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1939.862+/-0.252 χ^2/NDF: 3369366.9/47

All: 1946.601+/-0.177 χ^2/NDF: 7366265.9/98

- sign 1953.200+/-0.250 χ^2/NDF: 3995485.3/50

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4115.894+/-626.732 χ^2/NDF: 18.4/23

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

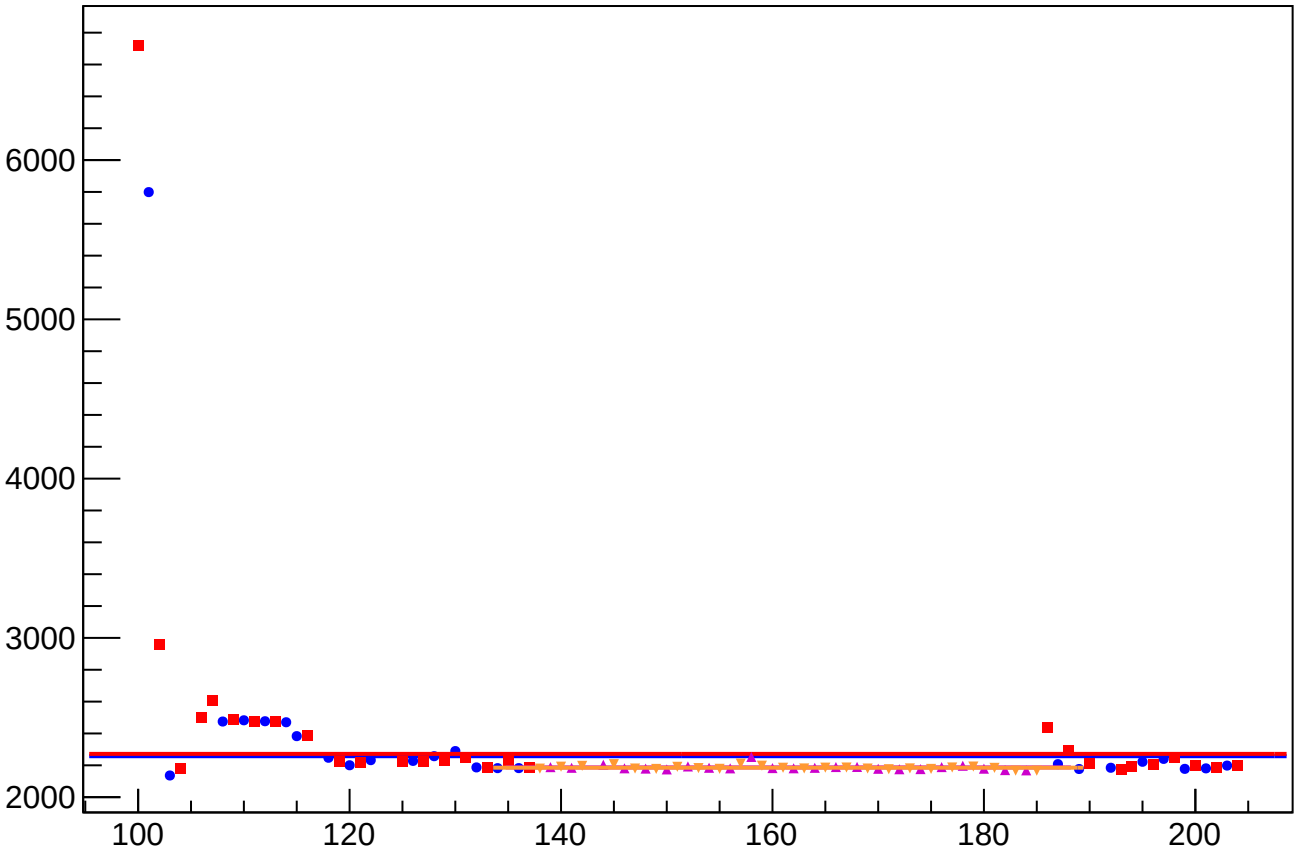
Right Out: -4316.981+/-589.619 χ^2/NDF: 25.5/27

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3878.731+/-394.245 χ^2/NDF: 44.1/47

All: -270.694+/-275.803 χ^2/NDF: 318.7/98

- sign -4247.878+/-385.976 χ^2/NDF: 57.6/50



Right In: 2257.206+/-0.443 χ^2/NDF: 530552.9/23

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

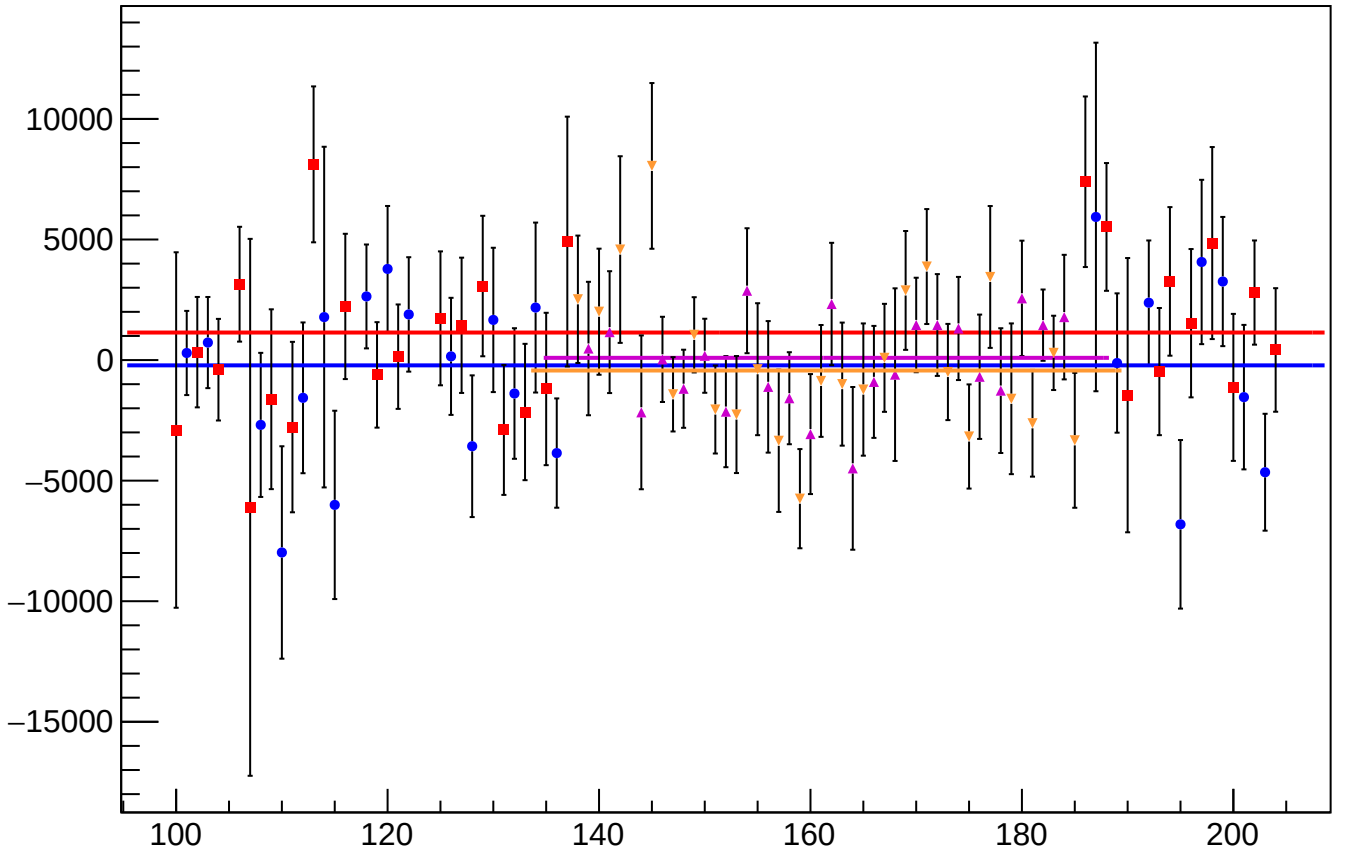
Right Out: 2271.758+/-0.417 χ^2/NDF: 178768.8/27

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2213.652+/-0.279 χ^2/NDF: 547351.3/47

All: 2218.515+/-0.195 χ^2/NDF: 752539.9/98

- sign 2223.175+/-0.273 χ^2/NDF: 204592.8/50



Right In: -219.320+/-560.232 χ^2/NDF: 28.5/23

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

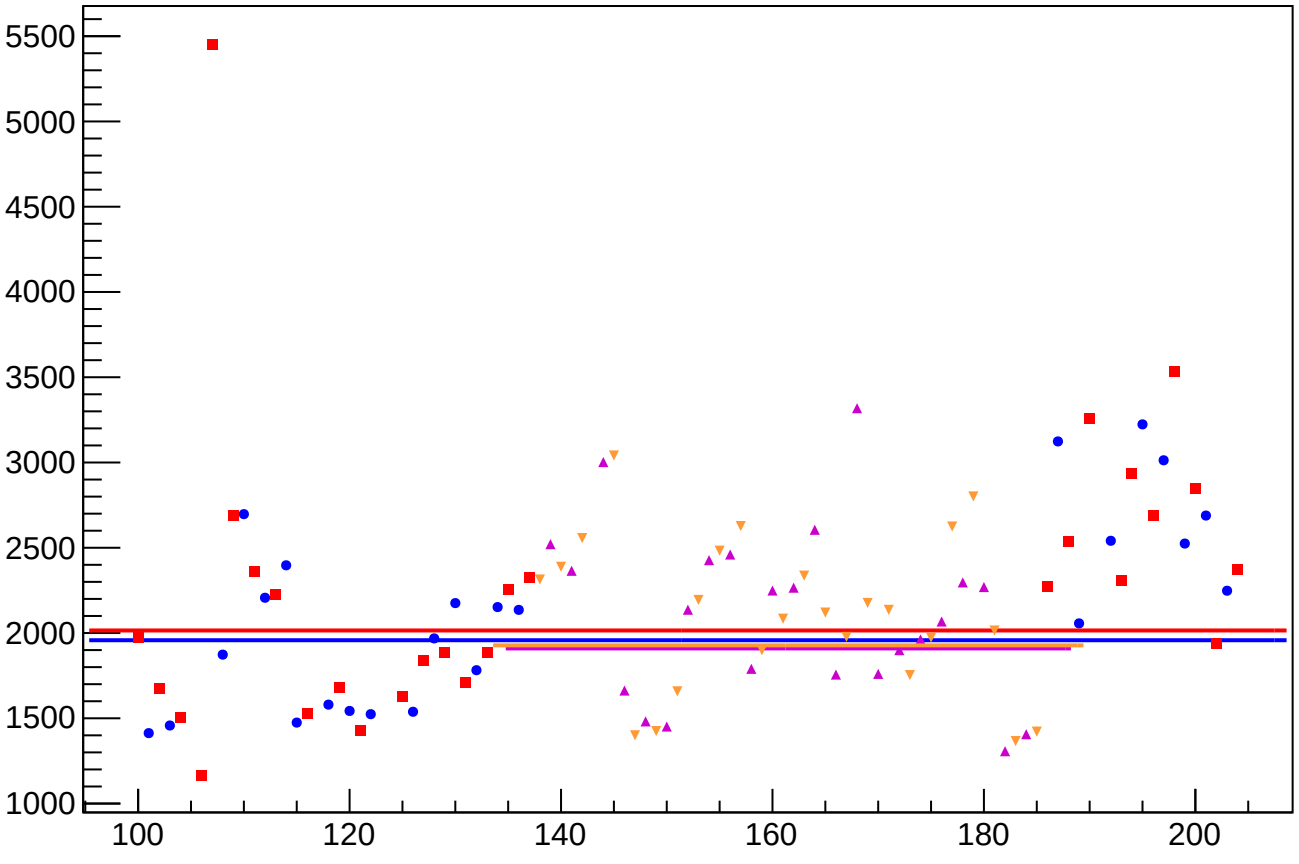
Right Out: 1141.813+/-548.850 χ^2/NDF: 23.7/27

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -346.016+/-356.610 χ^2/NDF: 59.9/47

All: 94.739+/-250.822 χ^2/NDF: 101.6/98

- sign 526.256+/-352.853 χ^2/NDF: 38.6/50



Right In: 1957.775+/-0.396 χ^2/NDF: 1567521.9/23

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 2015.063+/-0.388 χ^2/NDF: 2009889.2/27

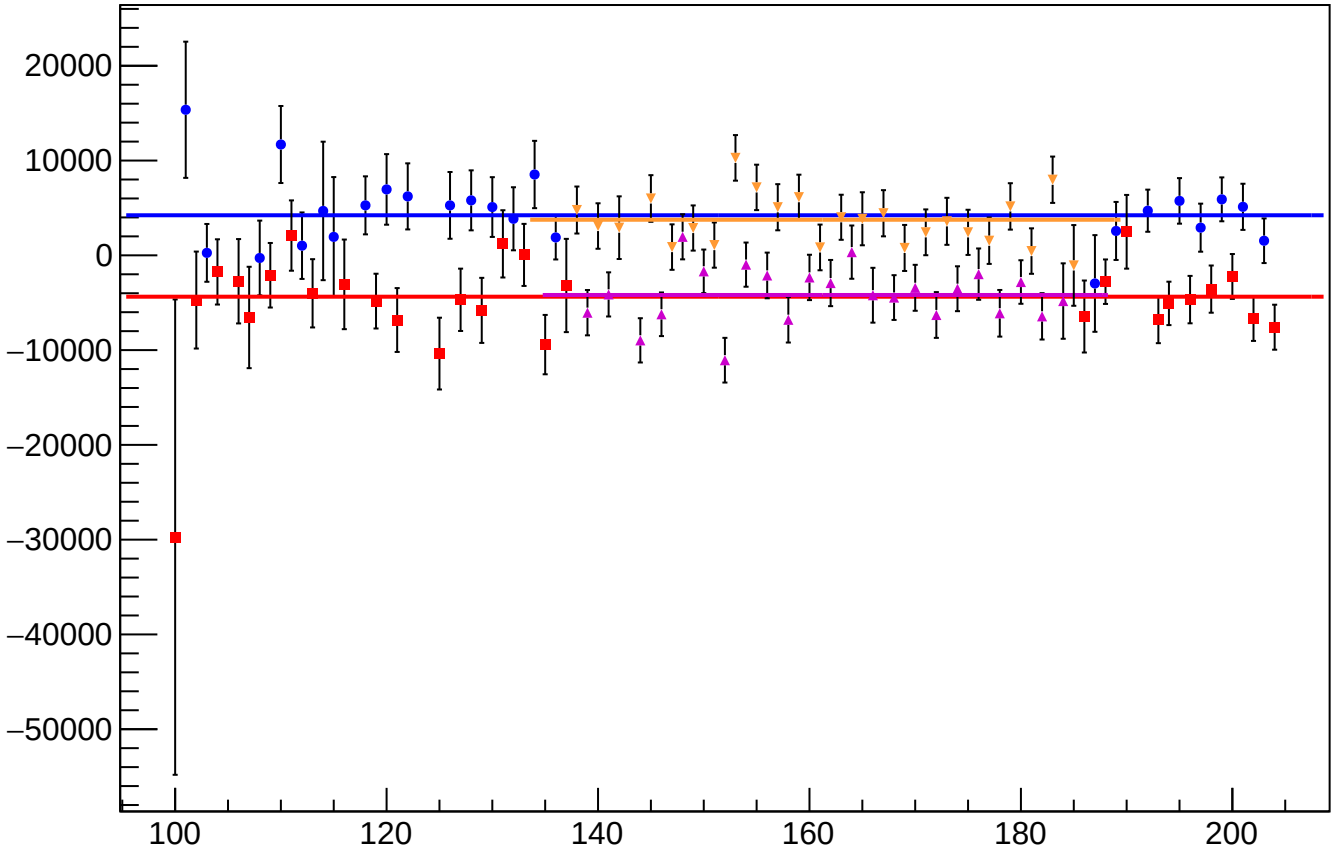
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1939.862+/-0.252 χ^2/NDF: 3369366.9/47

All: 1946.601+/-0.177 χ^2/NDF: 7366265.9/98

- sign 1953.200+/-0.250 χ^2/NDF: 3995485.3/50

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4227.406+/-634.313 χ^2/NDF: 18.6/23

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -4365.116+/-598.634 χ^2/NDF: 24.3/27

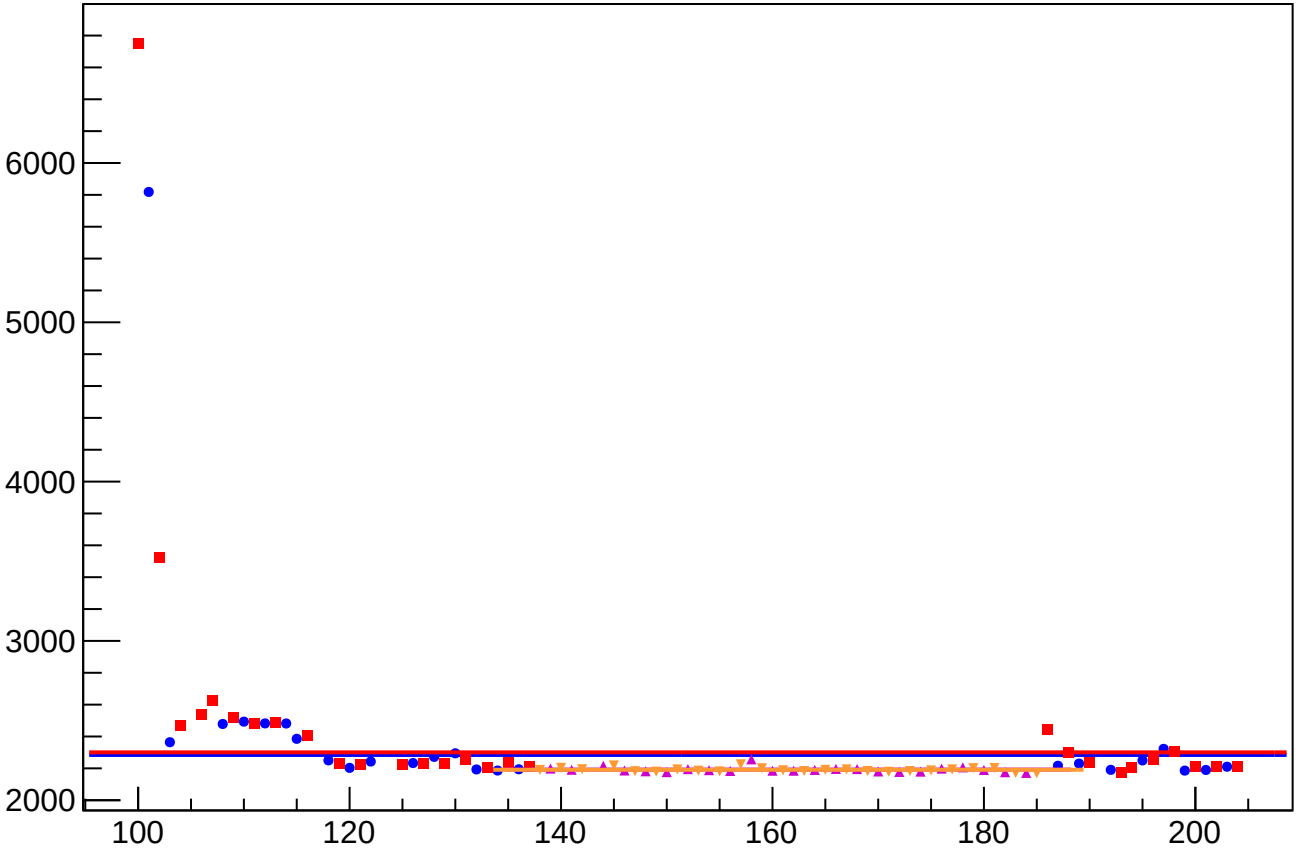
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3939.280+/-396.784 χ^2/NDF: 44.6/47

All: -241.495+/-277.789 χ^2/NDF: 319.4/98

- sign -4260.615+/-389.037 χ^2/NDF: 57.0/50

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2284.179+/-0.449 χ^2/NDF: 525592.8/23

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

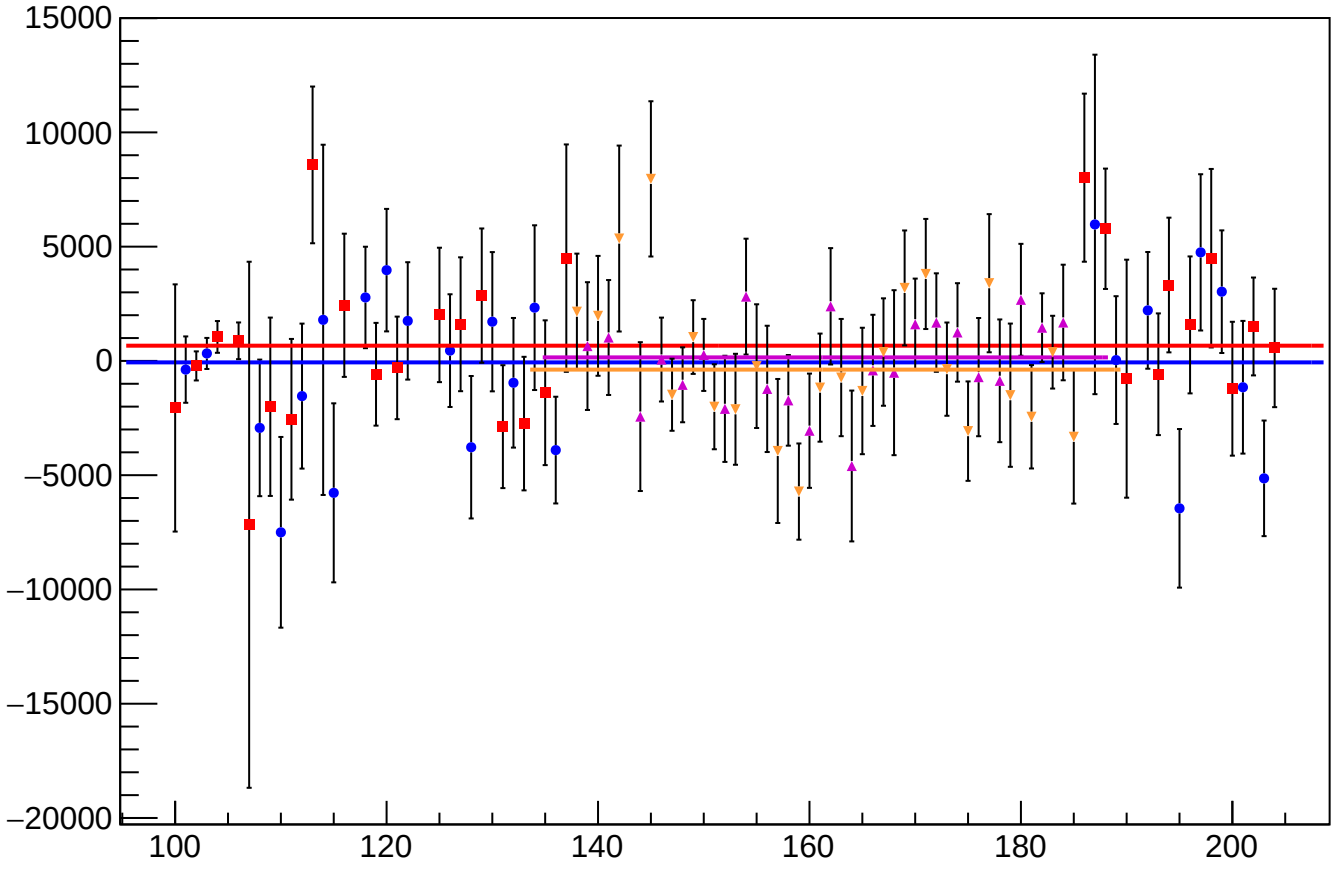
Right Out: 2300.546+/-0.423 χ^2/NDF: 243113.6/27

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2227.549+/-0.281 χ^2/NDF: 553009.6/47

All: 2232.857+/-0.196 χ^2/NDF: 836951.4/98

- sign 2237.959+/-0.275 χ^2/NDF: 283239.9/50



Right In: -64.310+/-441.621 χ^2/NDF: 28.6/23

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: 666.316+/-337.503 χ^2/NDF: 26.0/27

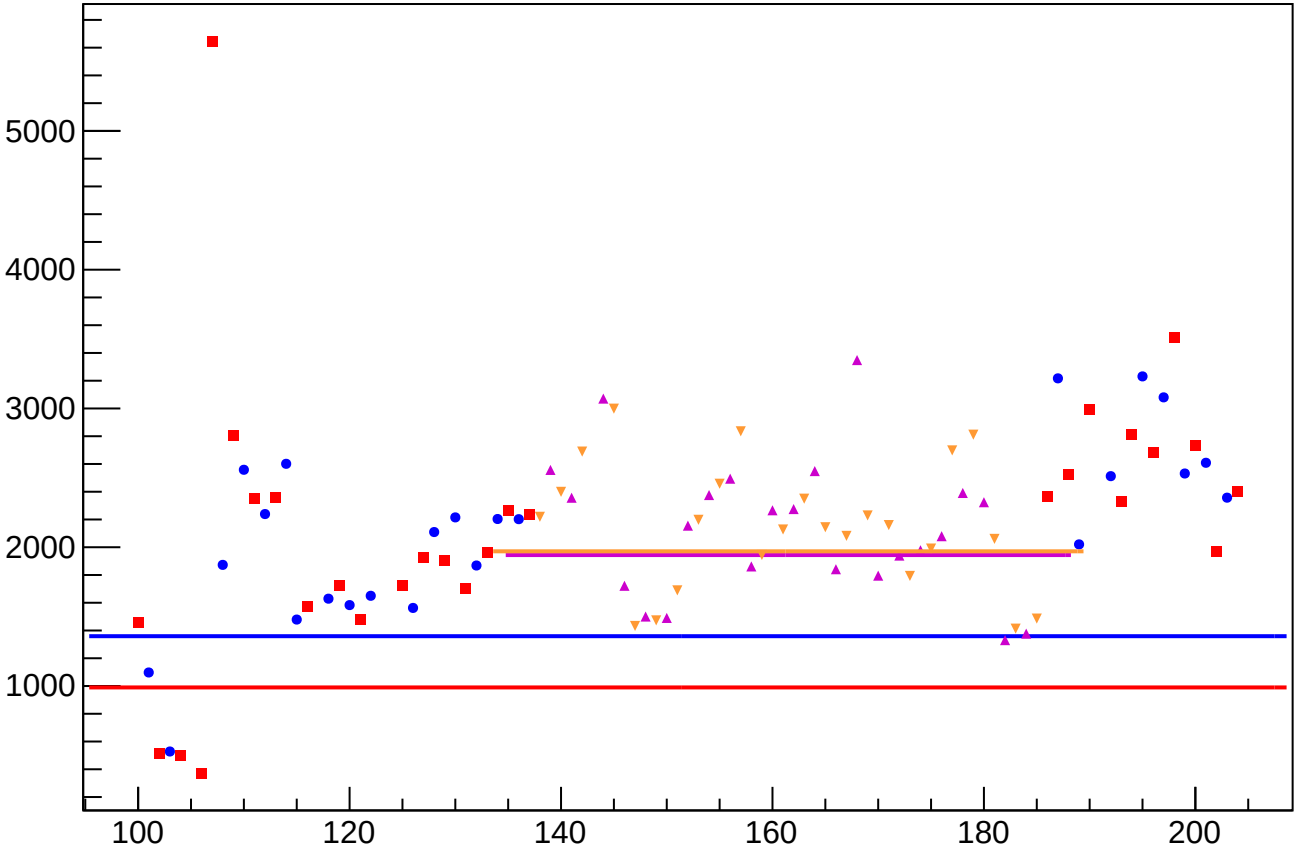
Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -212.071+/-322.313 χ^2/NDF: 59.6/47

All: 196.496+/-208.647 χ^2/NDF: 102.0/98

- sign 491.209+/-273.745 χ^2/NDF: 39.6/50

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 1359.010+/-0.312 χ^2/NDF: 7078782.0/23

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

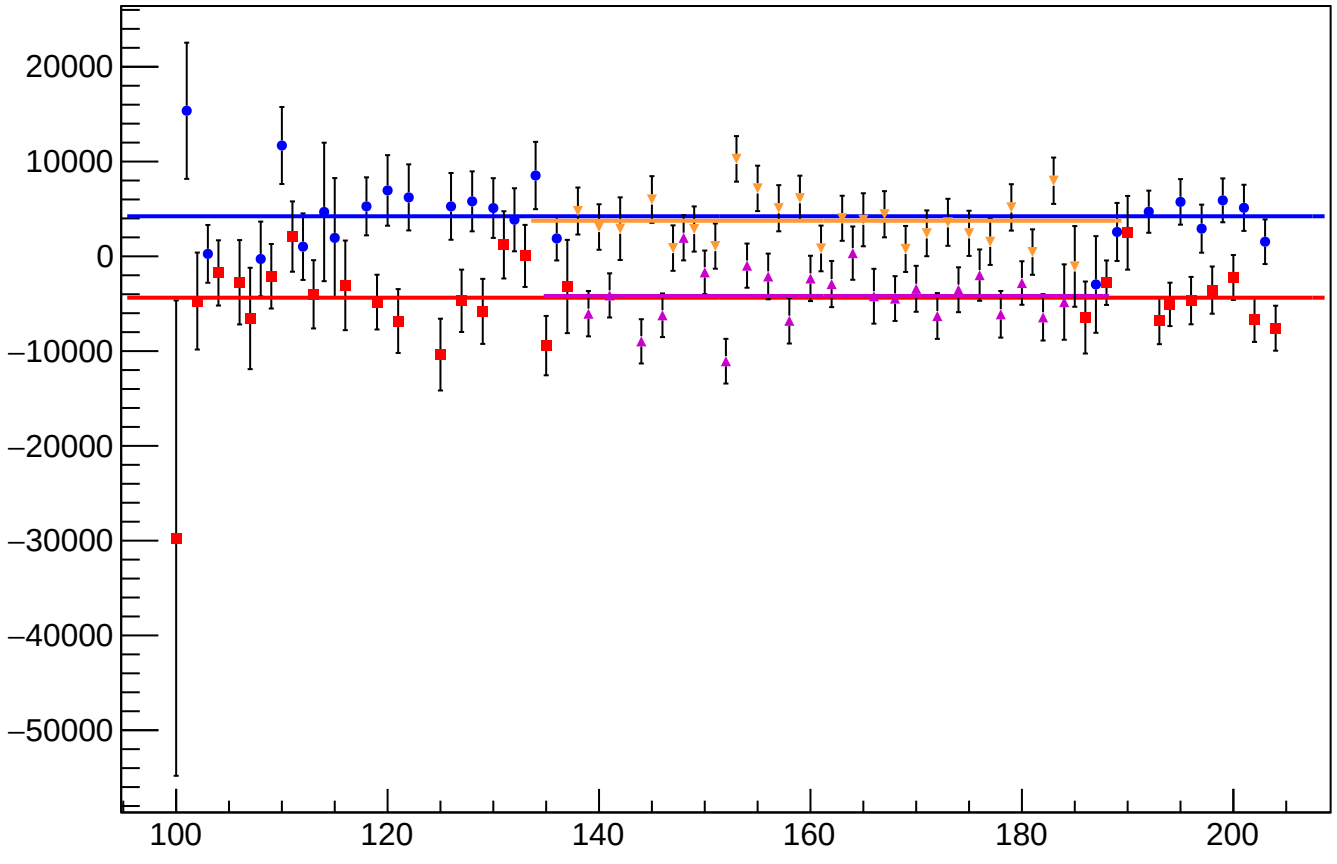
Right Out: 989.762+/-0.239 χ^2/NDF: 12139870.2/27

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1644.852+/-0.228 χ^2/NDF: 10568344.8/47

All: 1453.874+/-0.148 χ^2/NDF: 31265559.4/9

- sign 1316.115+/-0.194 χ^2/NDF: 19488547.0/50



Right In: 4227.403+/-634.313 χ^2/NDF: 18.6/23

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -4365.111+/-598.634 χ^2/NDF: 24.3/27

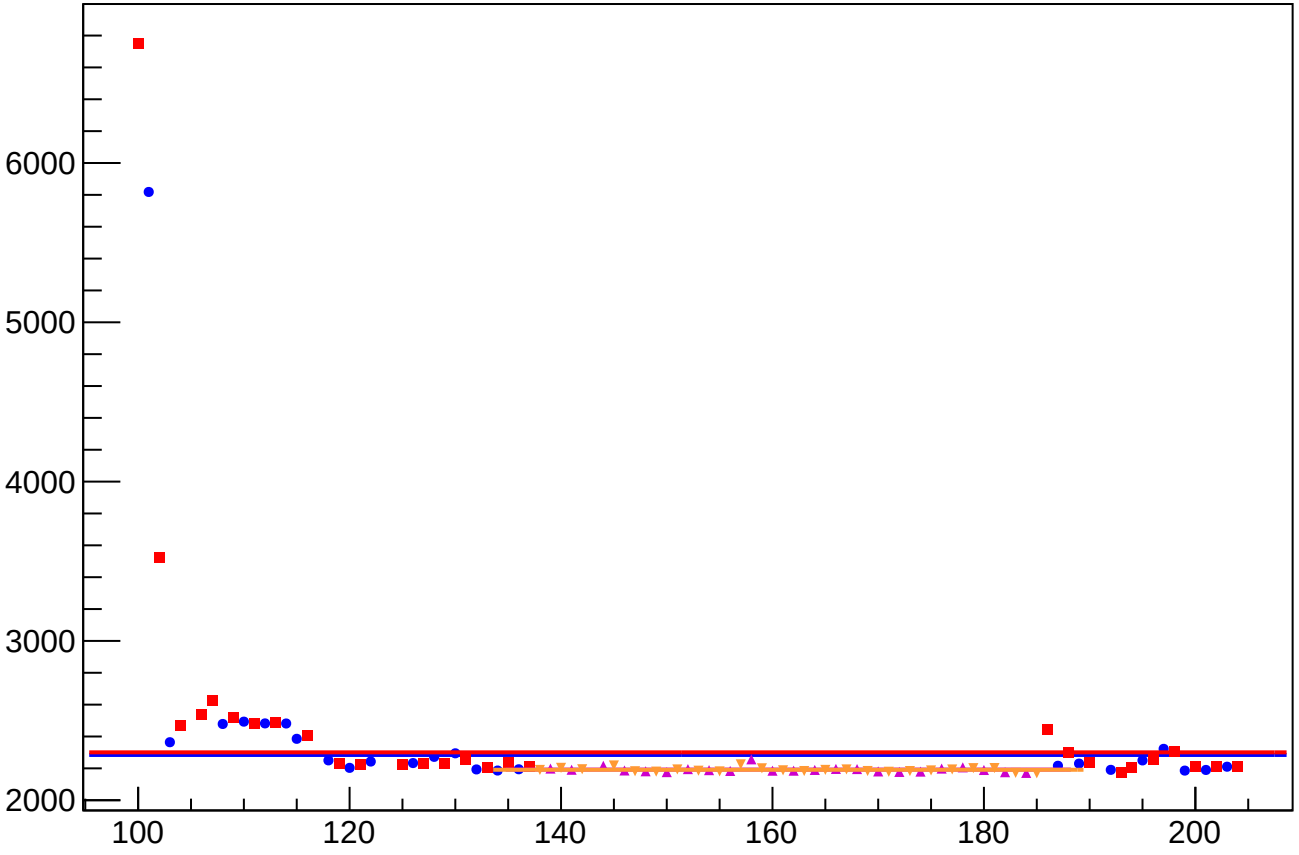
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3939.278+/-396.784 χ^2/NDF: 44.6/47

All: -241.495+/-277.789 χ^2/NDF: 319.4/98

- sign -4260.614+/-389.037 χ^2/NDF: 57.0/50

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2284.179+/-0.449 χ^2/NDF: 525592.7/23

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

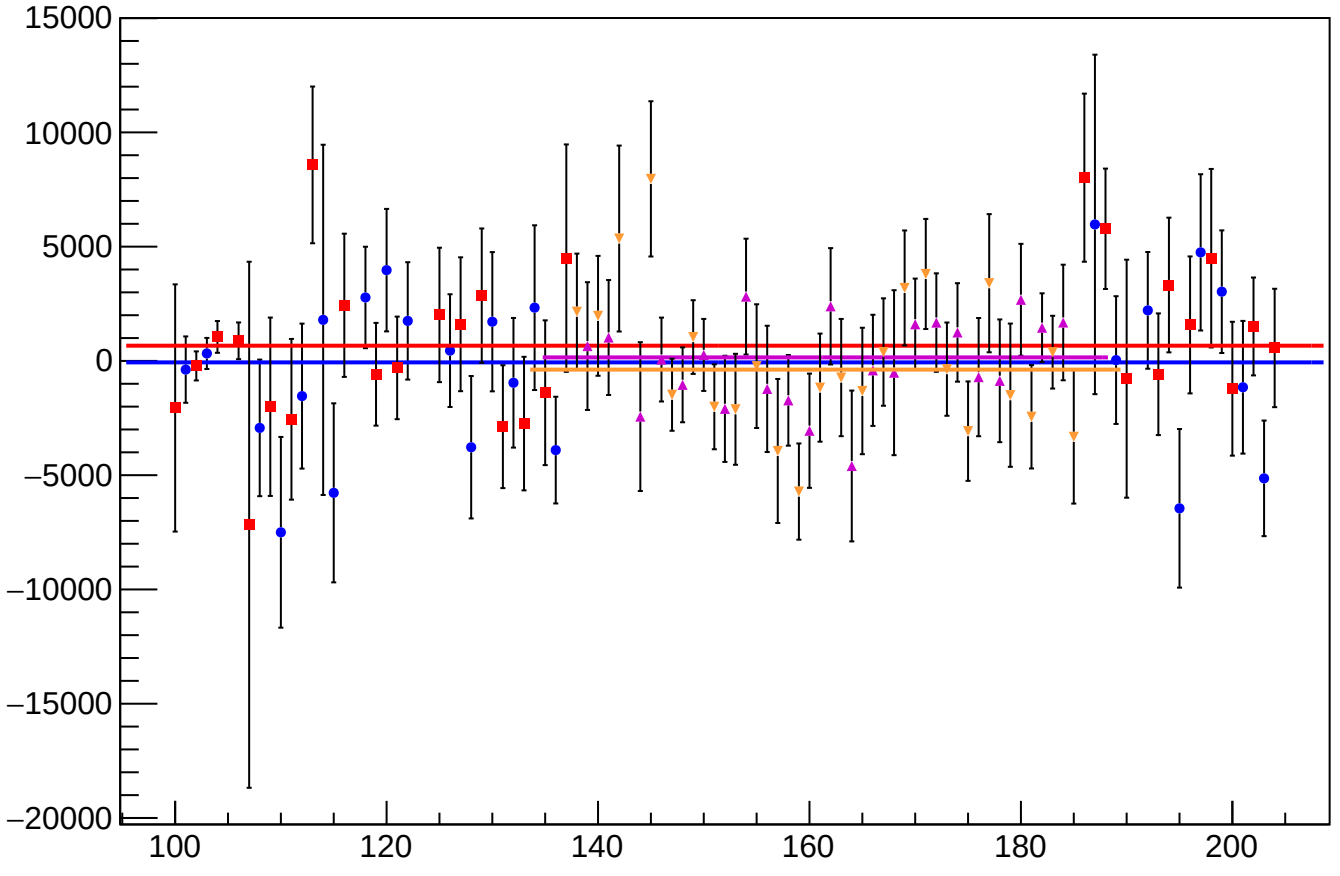
Right Out: 2300.546+/-0.423 χ^2/NDF: 243112.4/27

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2227.549+/-0.281 χ^2/NDF: 553009.4/47

All: 2232.857+/-0.196 χ^2/NDF: 836949.7/98

- sign 2237.959+/-0.275 χ^2/NDF: 283238.5/50



Right In: -64.316+/-441.623 χ^2/NDF: 28.6/23

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

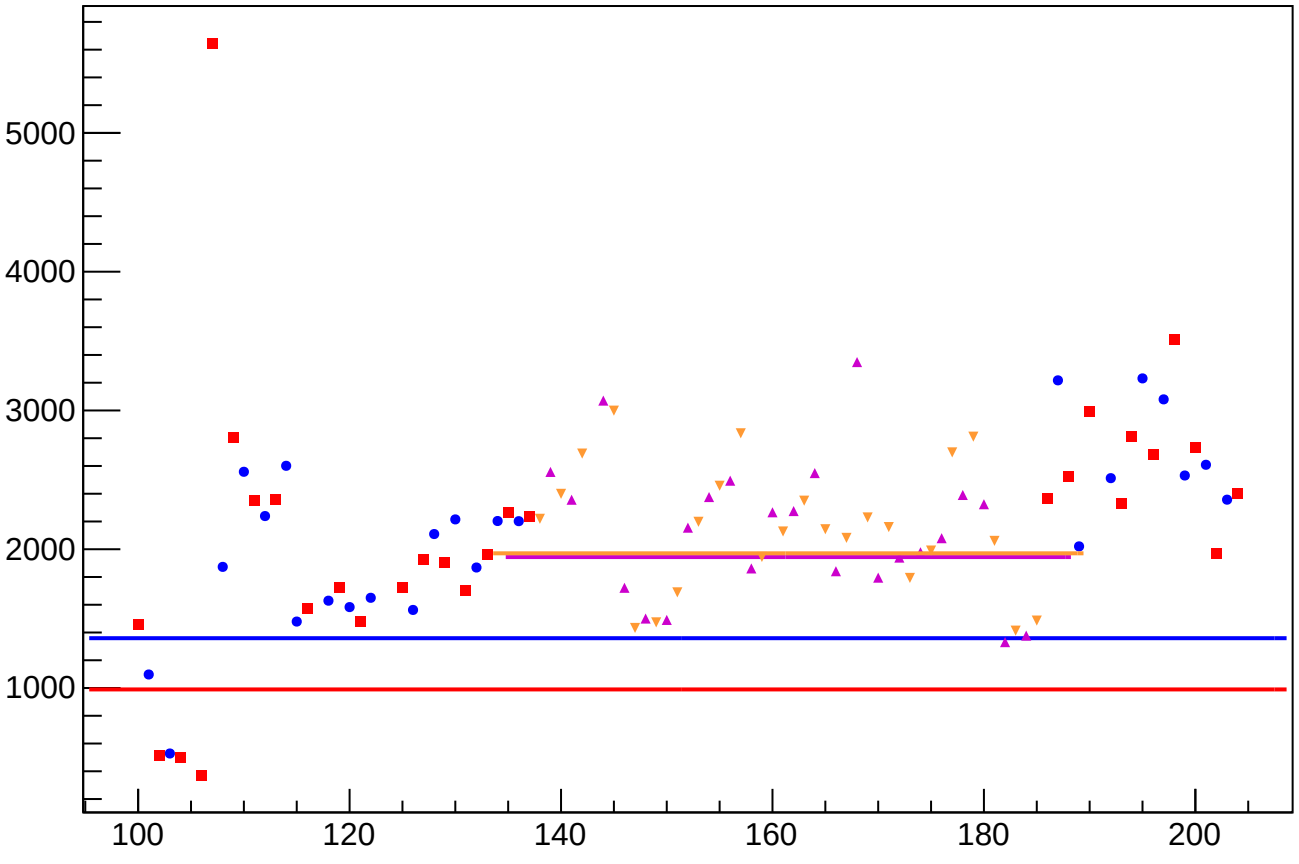
Right Out: 666.324+/-337.507 χ^2/NDF: 26.0/27

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

\+ sign -212.076+/-322.314 χ^2/NDF: 59.6/47

All: 196.494+/-208.649 χ^2/NDF: 102.0/98

\- sign 491.212+/-273.747 χ^2/NDF: 39.6/50



Right In: 1359.020+/-0.312 χ^2/NDF: 7078667.5/23

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 989.780+/-0.239 χ^2/NDF: 12139632.3/27

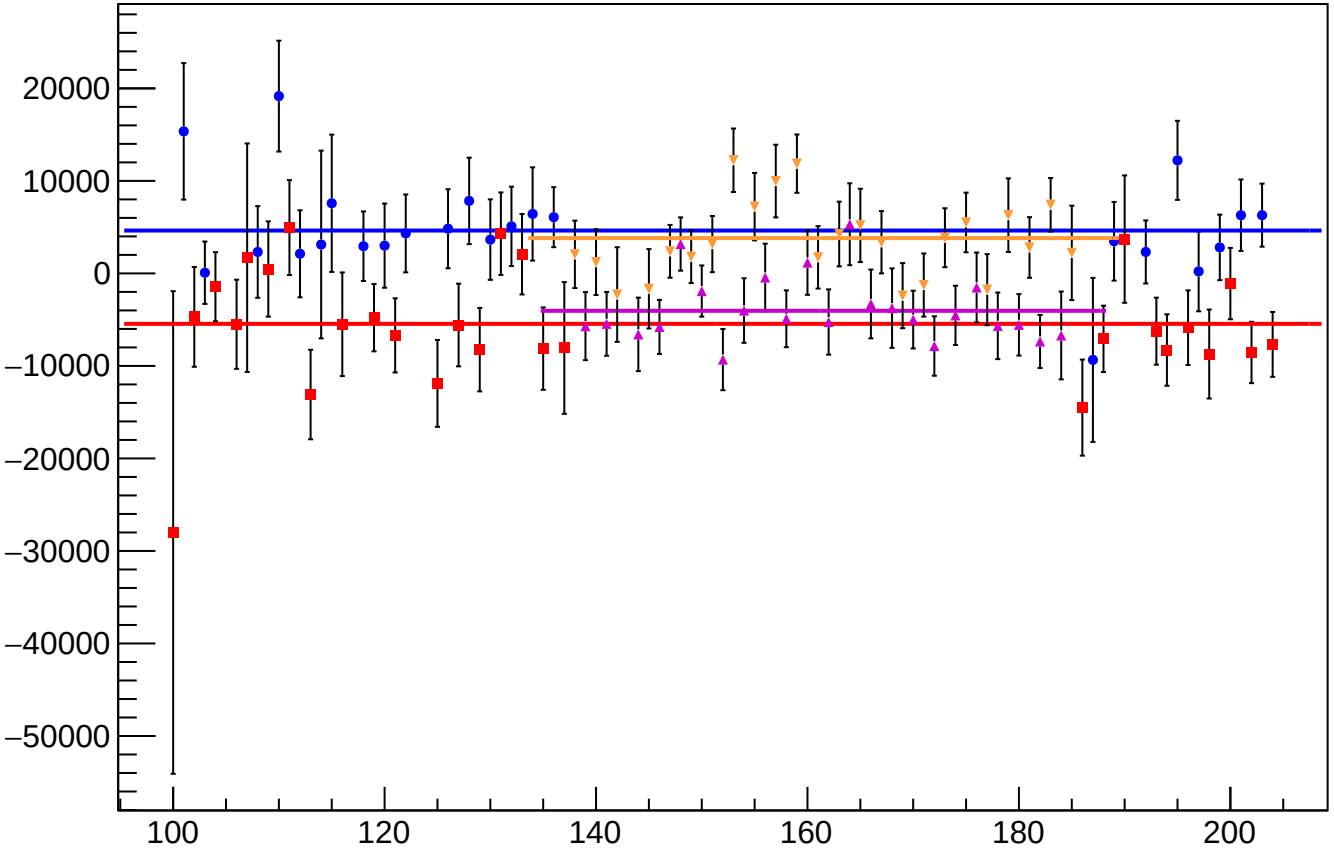
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1644.860+/-0.228 χ^2/NDF: 10568178.9/47

All: 1453.888+/-0.148 χ^2/NDF: 31264848.5/9

- sign 1316.133+/-0.194 χ^2/NDF: 19488083.3/50

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4633.738+/-890.307 χ^2/NDF: 19.6/23

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -5450.264+/-849.132 χ^2/NDF: 29.5/27

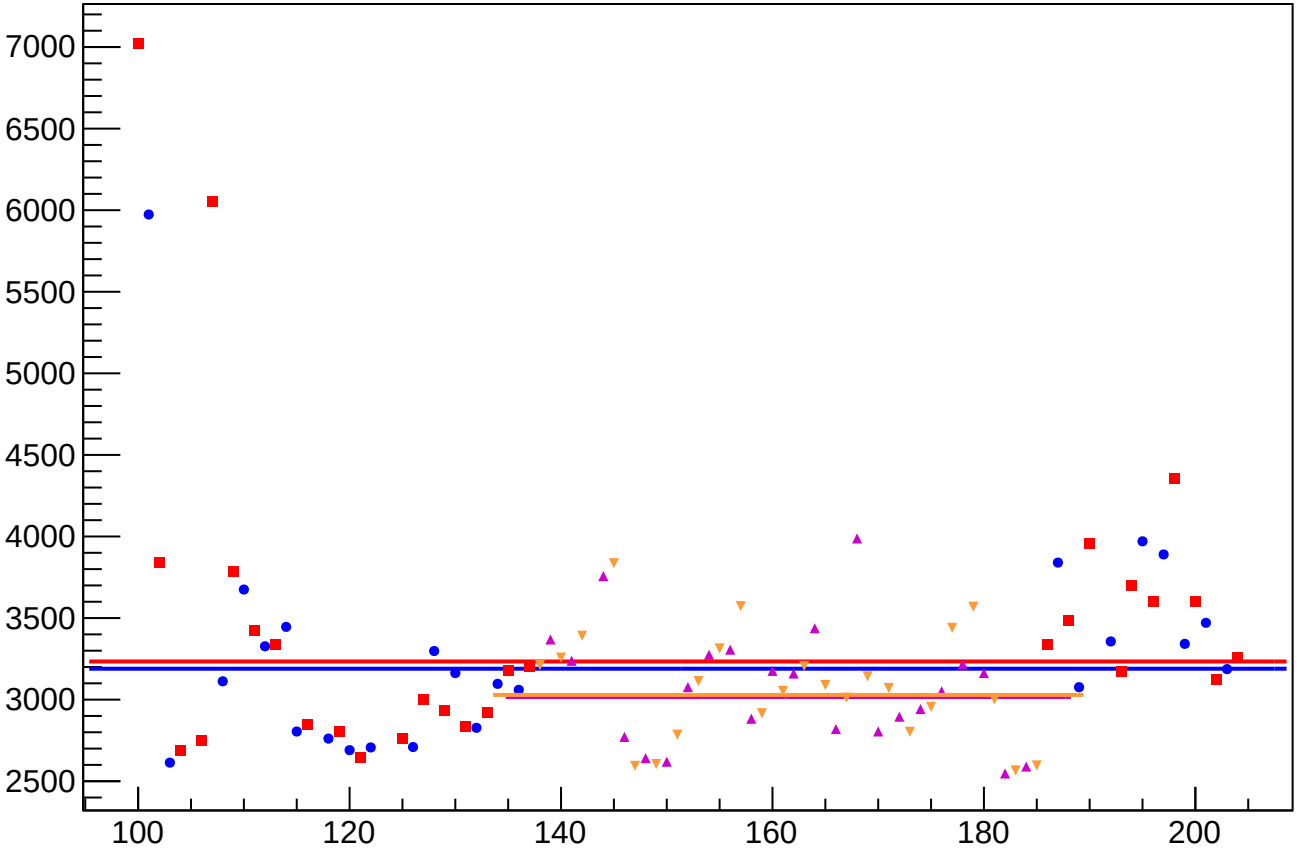
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4134.089+/-554.291 χ^2/NDF: 51.0/47

All: -321.702+/-388.431 χ^2/NDF: 231.6/98

- sign -4621.294+/-544.489 χ^2/NDF: 53.6/50

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3189.595+/-0.630 χ^2/NDF: 636963.0/23

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

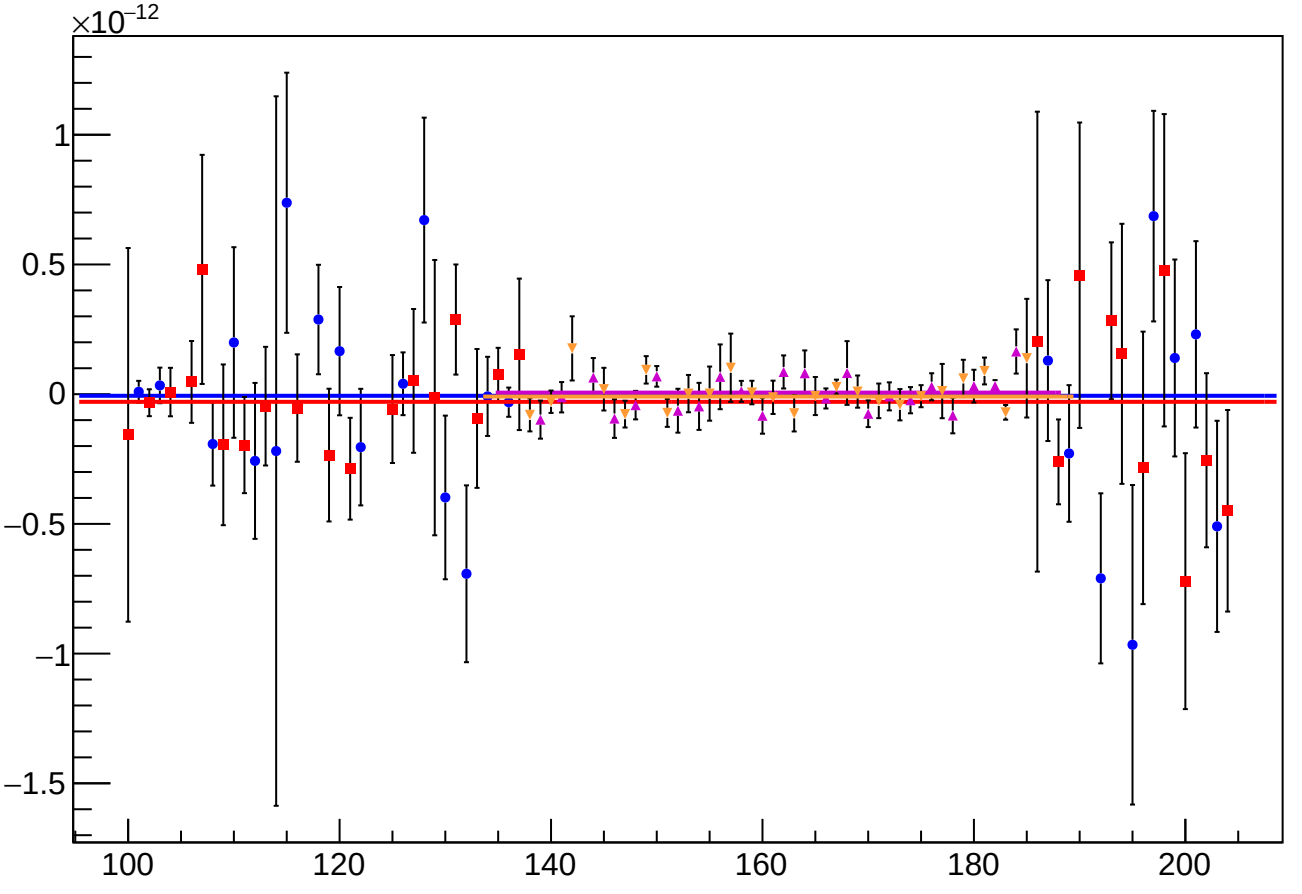
Right Out: 3233.868+/-0.600 χ^2/NDF: 611882.1/27

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3091.238+/-0.392 χ^2/NDF: 1073933.8/47

All: 3098.614+/-0.275 χ^2/NDF: 2203757.8/98

- sign 3105.731+/-0.385 χ^2/NDF: 1129128.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

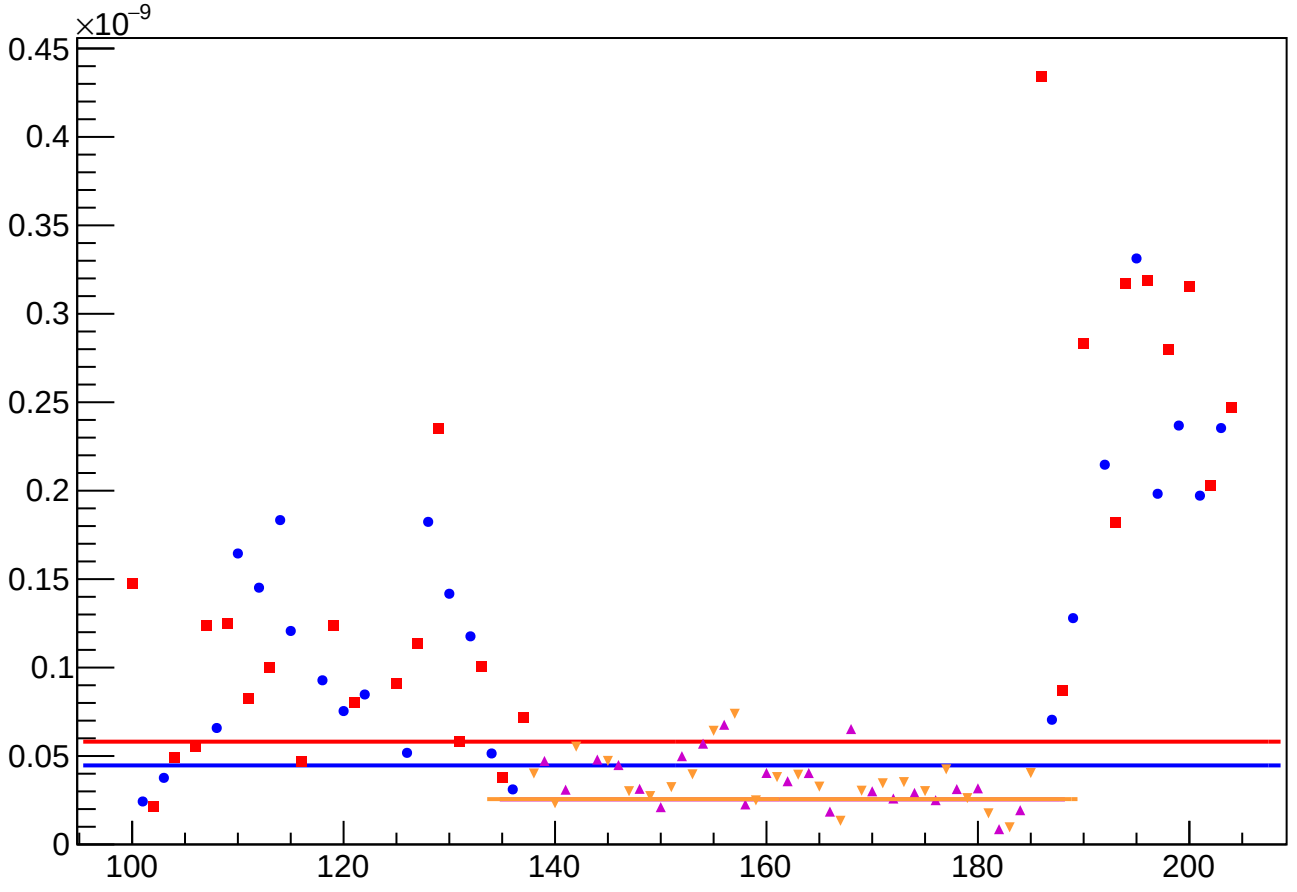
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/27

Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.3/47

All: -0.000+/-0.000 χ^2/NDF: 96.8/98

- sign 0.000+/-0.000 χ^2/NDF: 41.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 4660142.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

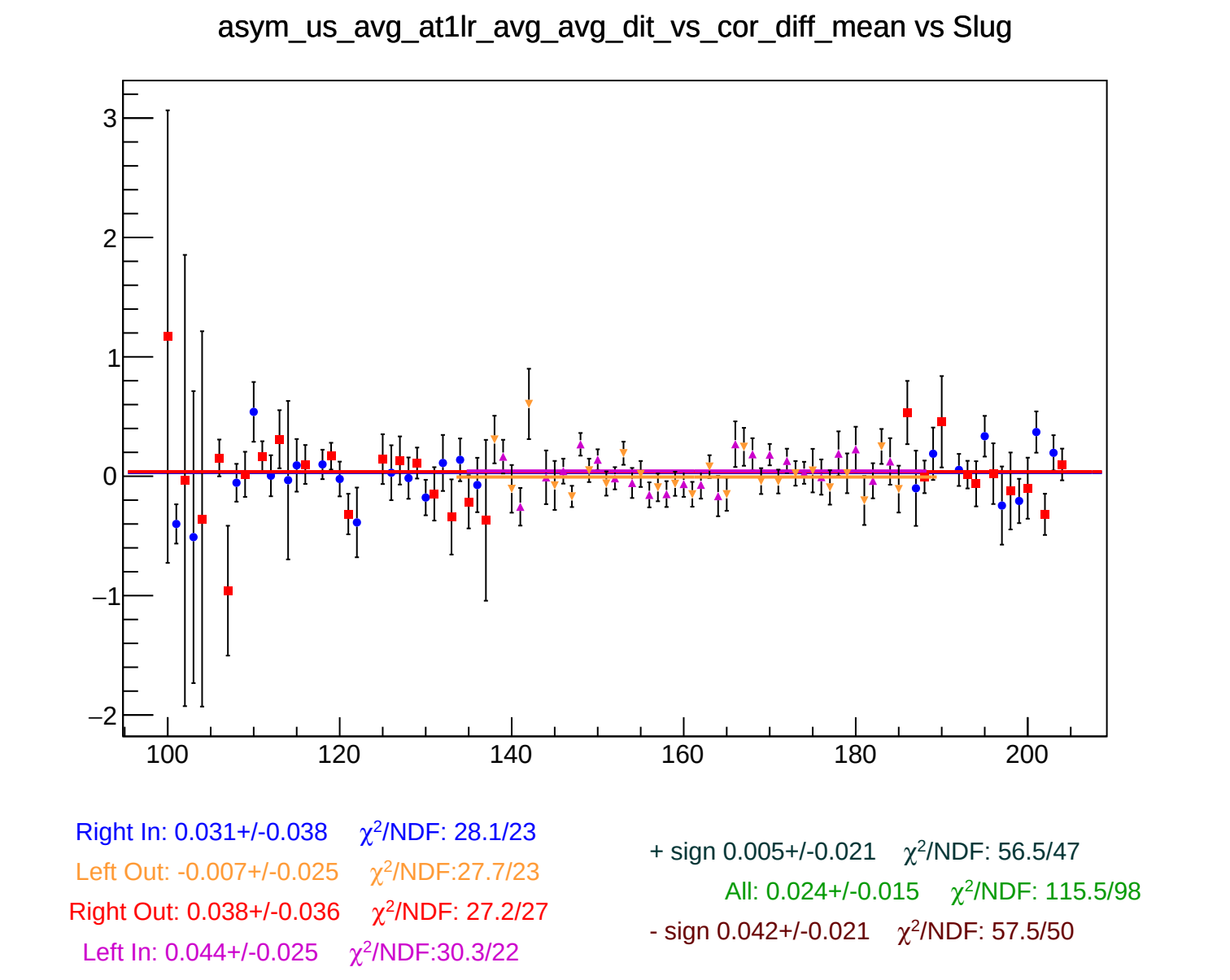
Right Out: 0.000+/-0.000 χ^2/NDF: 5663338.3/27

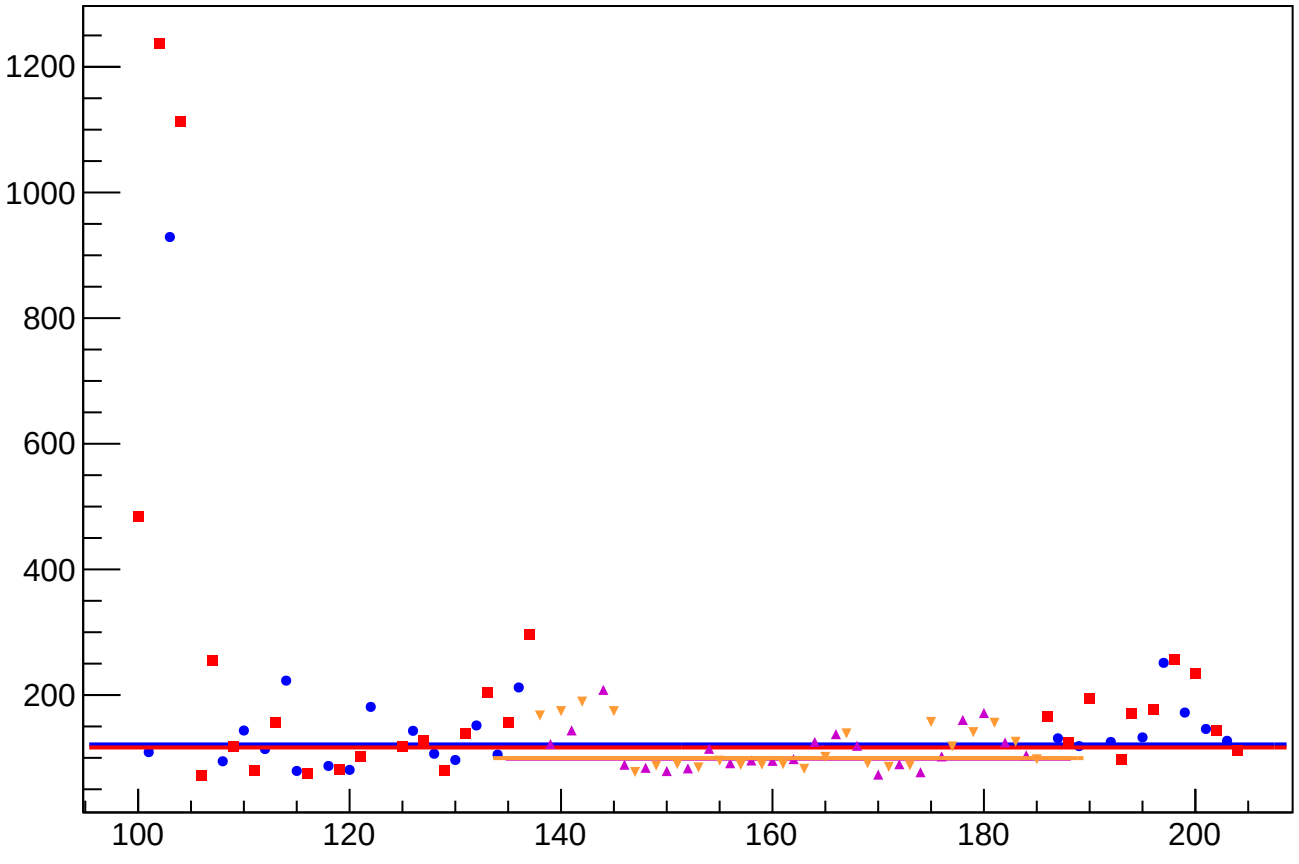
Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7971389.9/47

All: 0.000+/-0.000 χ^2/NDF: 18206163.5/98

- sign 0.000+/-0.000 χ^2/NDF: 10233586.1/50


asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.031+/-0.038 χ²/NDF: 28.1/23
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.038+/-0.036 χ²/NDF: 27.2/27
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign 0.005+/-0.021 χ²/NDF: 56.5/47
All: 0.024+/-0.015 χ²/NDF: 115.5/98
- sign 0.042+/-0.021 χ²/NDF: 57.5/50



Right In: 121.408+/-0.027 χ^2/NDF: 2447182.5/23

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

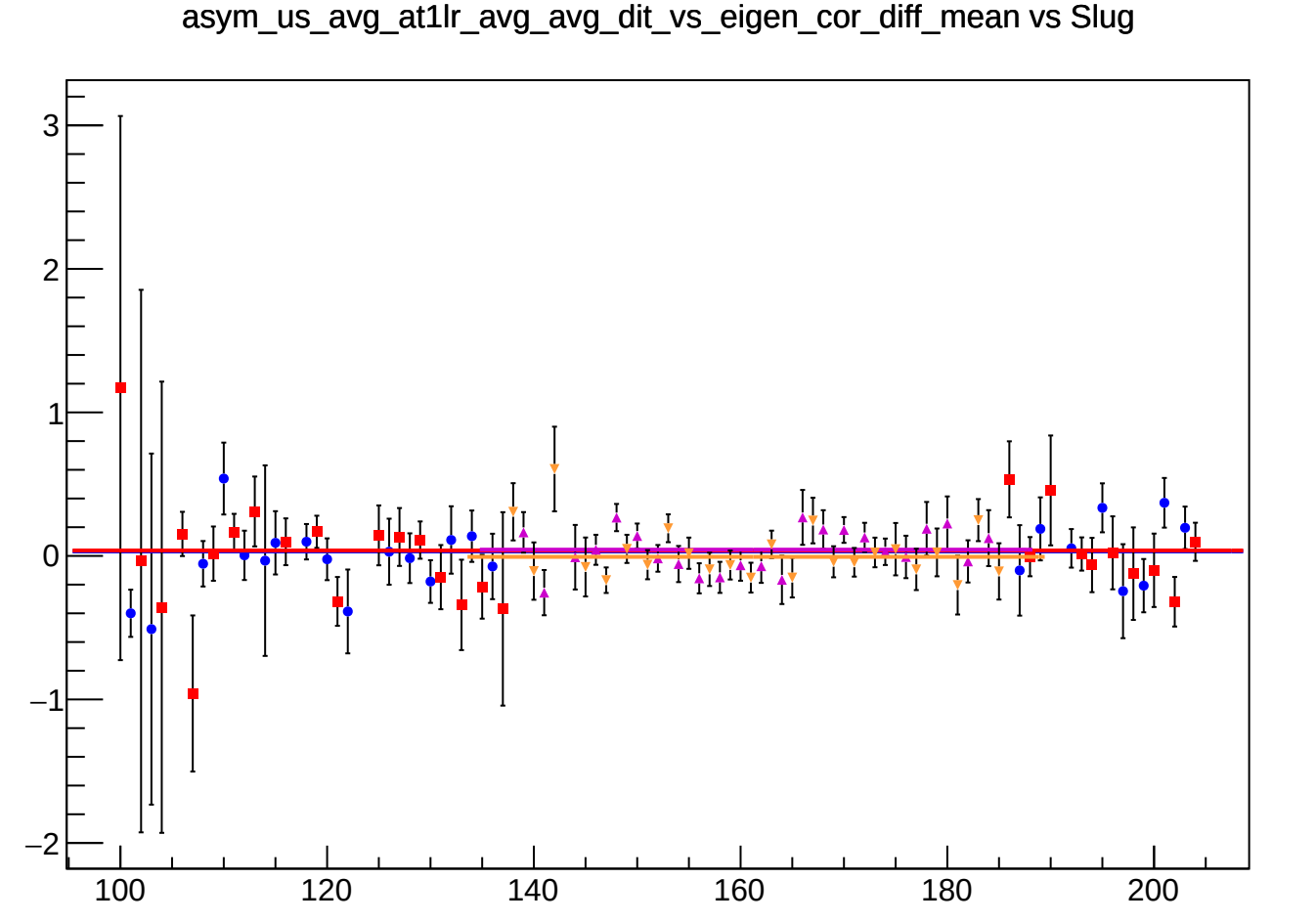
Right Out: 116.541+/-0.025 χ^2/NDF: 4344553.7/27

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 106.207+/-0.015 χ^2/NDF: 4968515.9/47

All: 105.333+/-0.010 χ^2/NDF: 11655287.4/98

- sign 104.506+/-0.015 χ^2/NDF: 6680122.5/50



Right In: 0.031+/-0.038 χ^2/NDF: 28.1/23

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

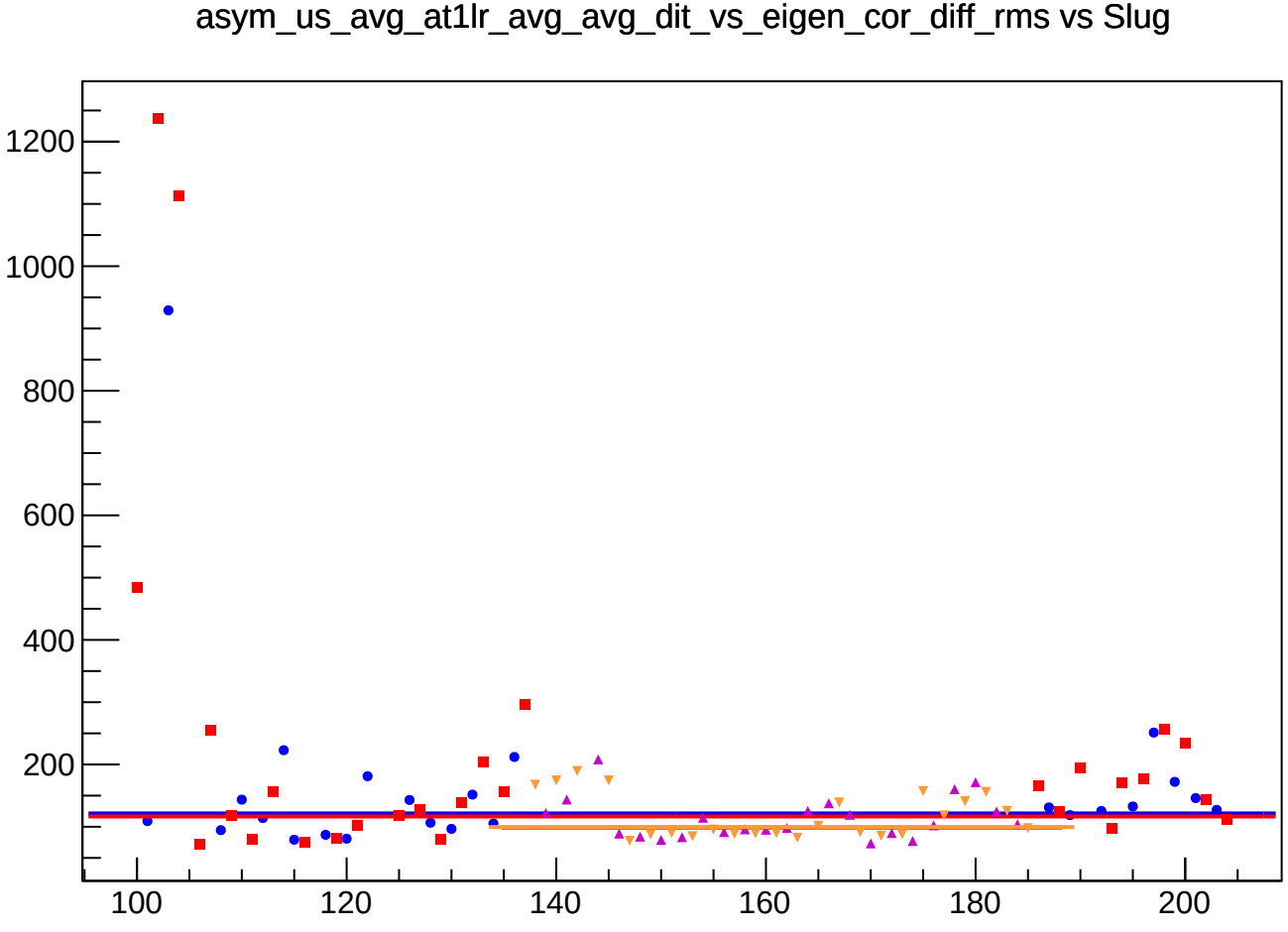
Right Out: 0.038+/-0.036 χ^2/NDF: 27.2/27

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.005+/-0.021 χ^2/NDF: 56.5/47

All: 0.024+/-0.015 χ^2/NDF: 115.5/98

- sign 0.042+/-0.021 χ^2/NDF: 57.5/50



Right In: 121.408+/-0.027 χ^2/NDF: 2447182.5/23

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

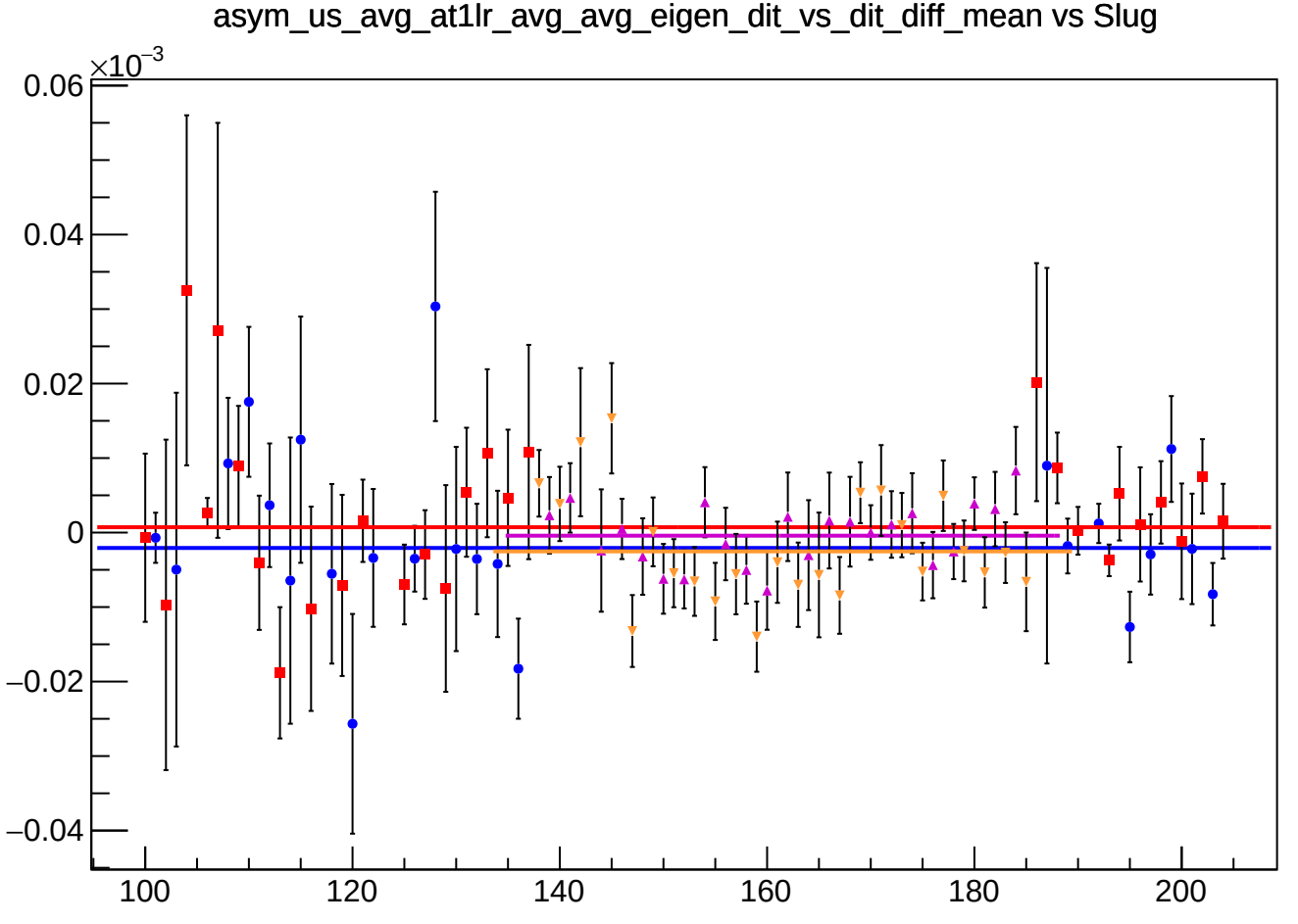
Right Out: 116.541+/-0.025 χ^2/NDF: 4344553.7/27

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 106.207+/-0.015 χ^2/NDF: 4968515.9/47

All: 105.333+/-0.010 χ^2/NDF: 11655287.4/98

- sign 104.506+/-0.015 χ^2/NDF: 6680122.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 32.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

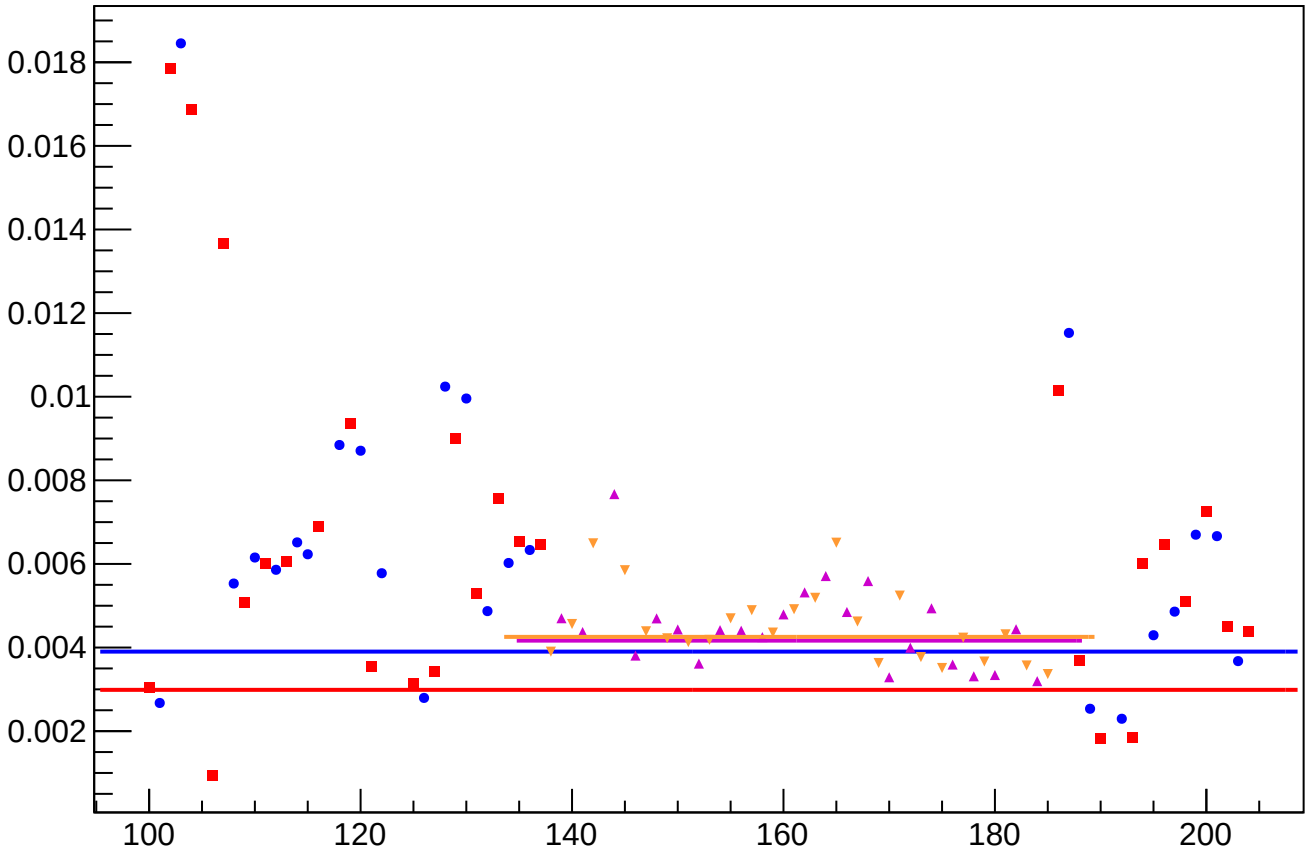
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/27

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.8/47

All: -0.000+/-0.000 χ^2/NDF: 122.2/98

- sign 0.000+/-0.000 χ^2/NDF: 43.9/50



Right In: 0.004+/-0.000 χ^2/NDF: 5102267.3/23

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10022331.5/27

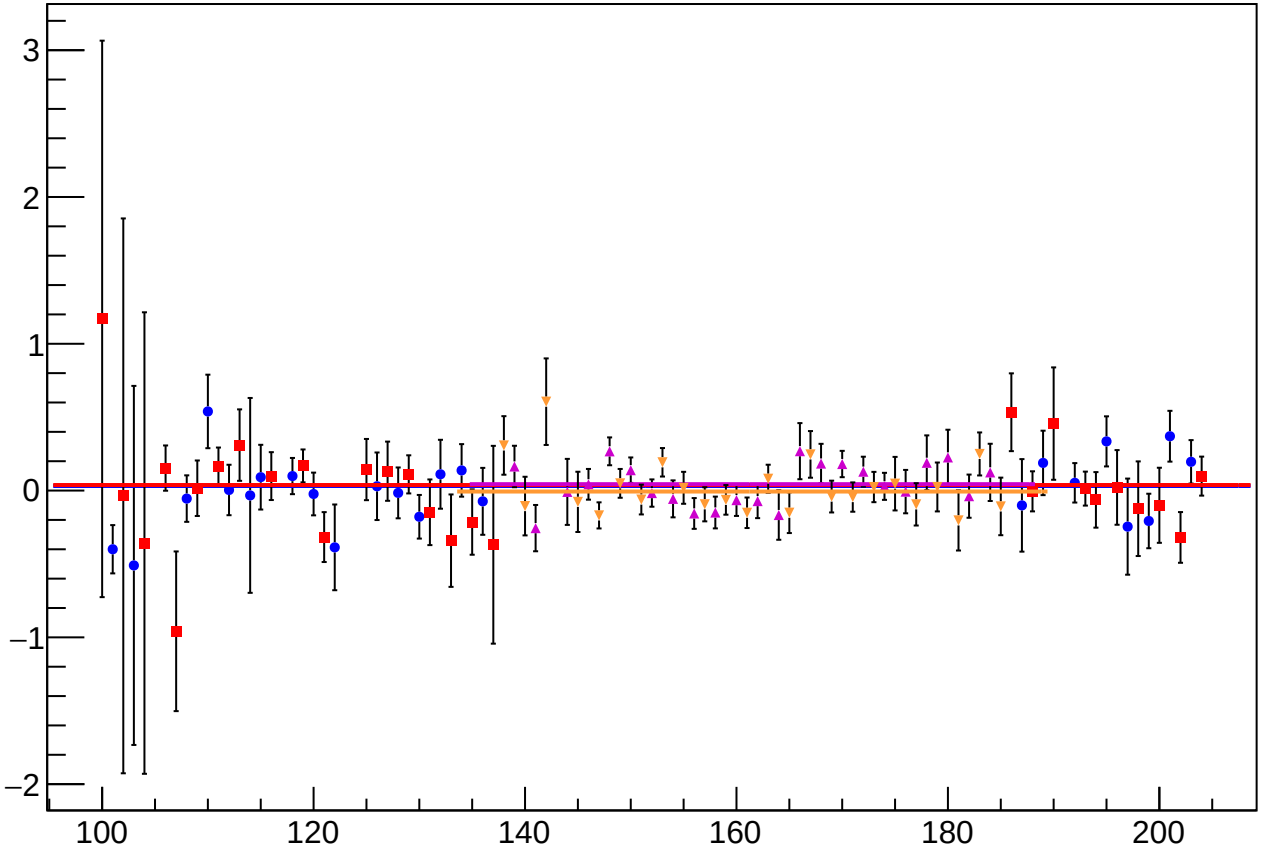
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 6033437.0/47

All: 0.004+/-0.000 χ^2/NDF: 19237228.2/98

- sign 0.004+/-0.000 χ^2/NDF: 12693068.7/50

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.031+/-0.038 χ^2/NDF: 28.1/23

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

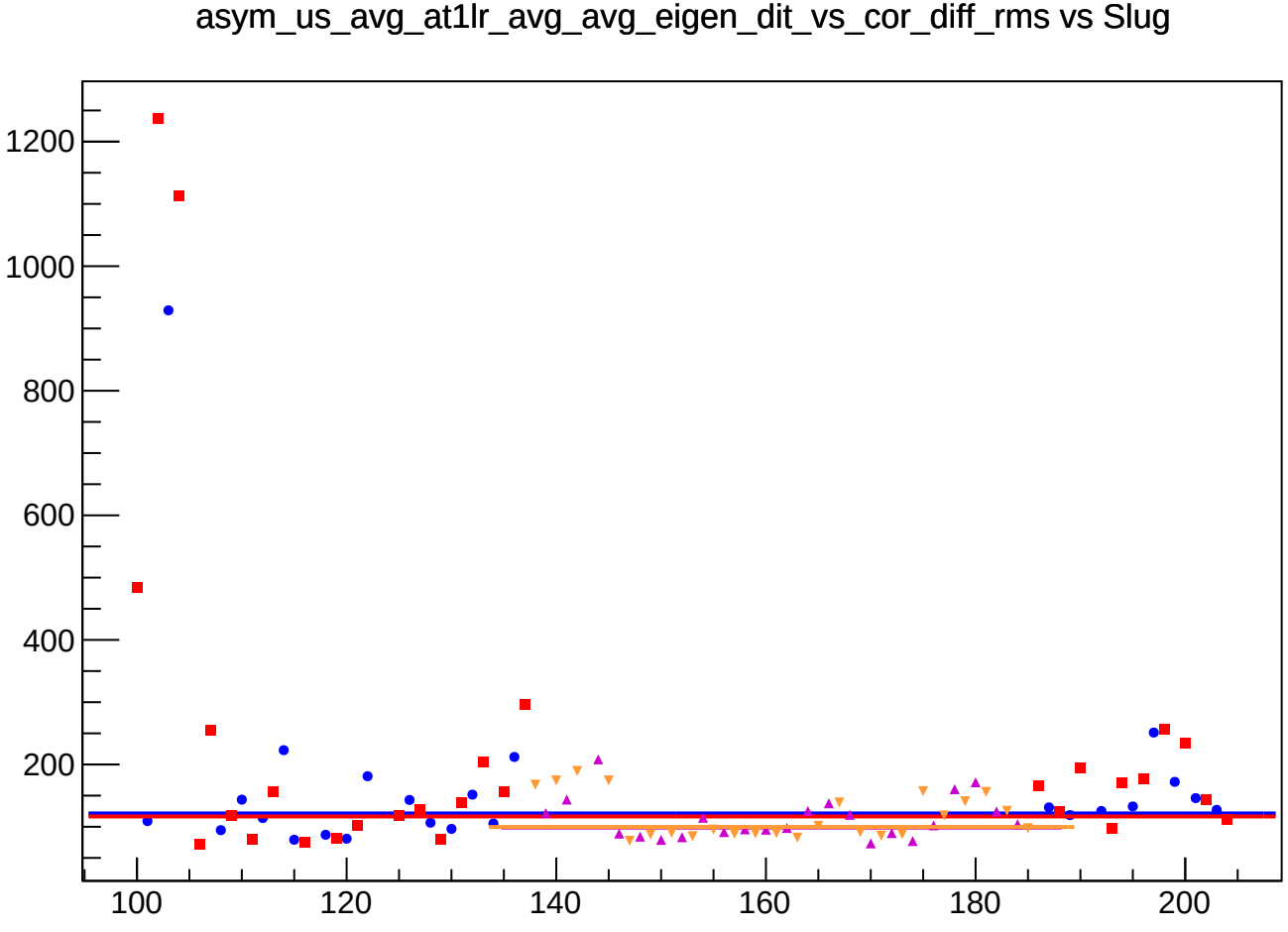
Right Out: 0.038+/-0.036 χ^2/NDF: 27.2/27

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.005+/-0.021 χ^2/NDF: 56.5/47

All: 0.024+/-0.015 χ^2/NDF: 115.5/98

- sign 0.042+/-0.021 χ^2/NDF: 57.5/50



Right In: 121.406+/-0.027 χ^2/NDF: 2447277.1/23

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 116.540+/-0.025 χ^2/NDF: 4344570.4/27

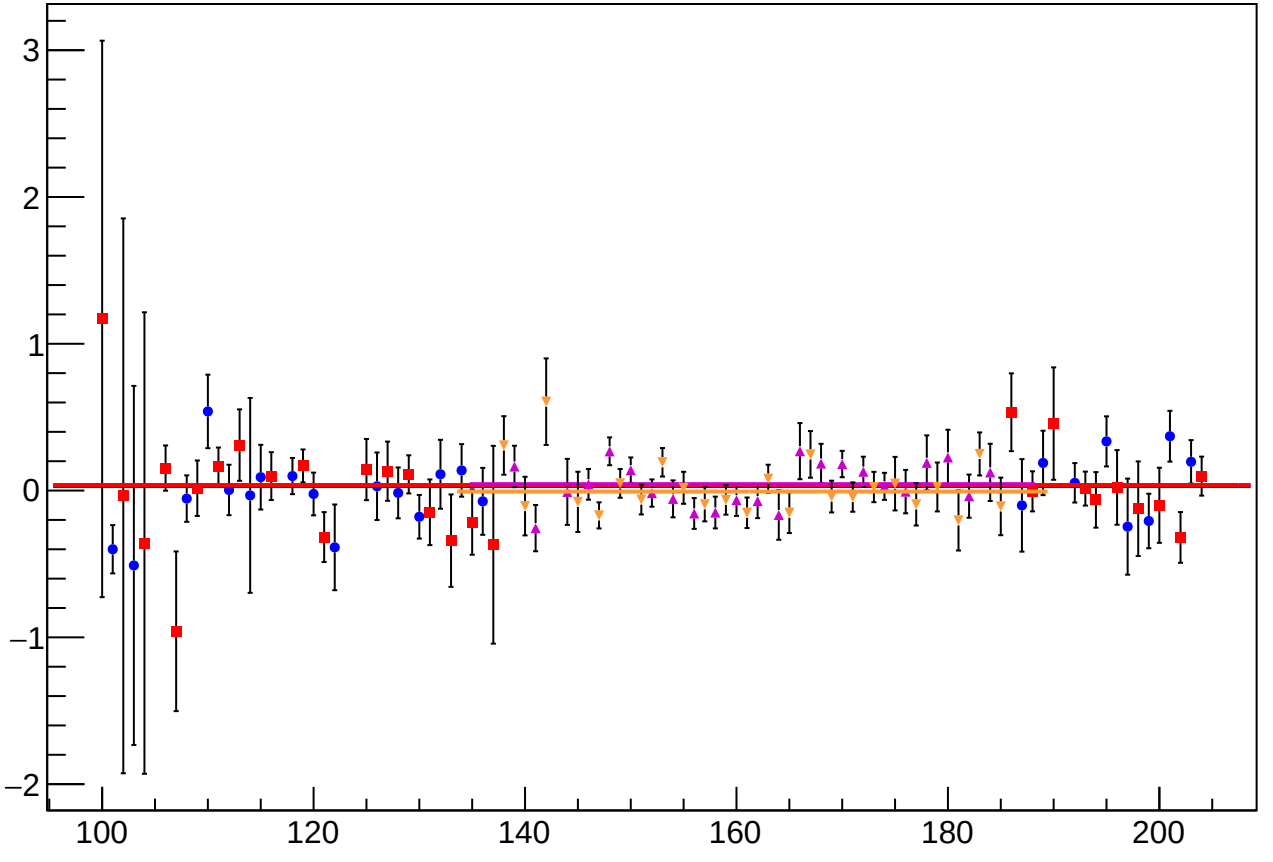
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 106.207+/-0.015 χ^2/NDF: 4968477.0/47

All: 105.333+/-0.010 χ^2/NDF: 11655190.8/98

- sign 104.506+/-0.015 χ^2/NDF: 6680064.7/50

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.031+/-0.038 χ^2/NDF: 28.1/23

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

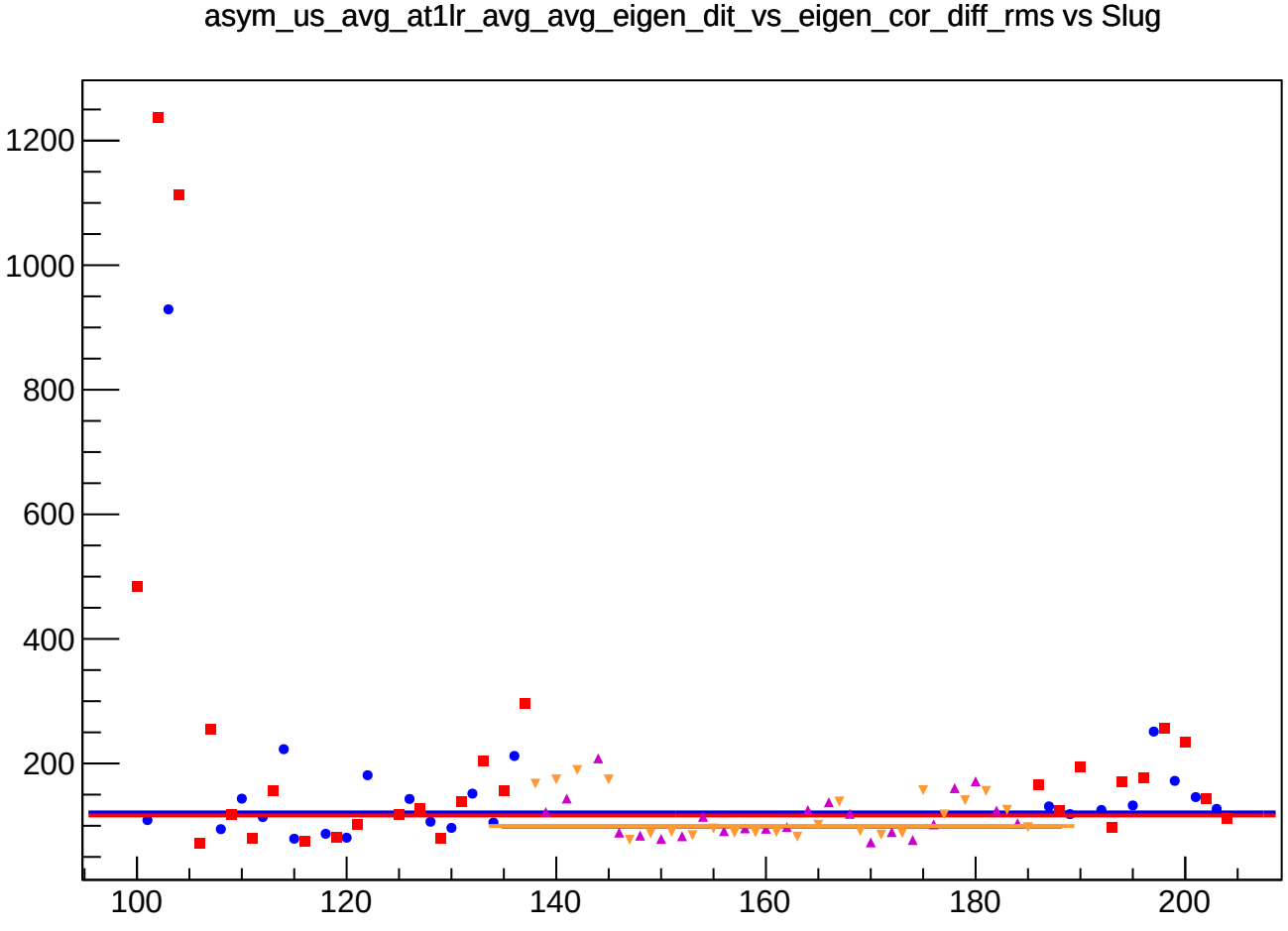
Right Out: 0.038+/-0.036 χ^2/NDF: 27.2/27

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.005+/-0.021 χ^2/NDF: 56.5/47

All: 0.024+/-0.015 χ^2/NDF: 115.5/98

- sign 0.042+/-0.021 χ^2/NDF: 57.5/50



Right In: 121.406+/-0.027 χ^2/NDF: 2447277.1/23

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

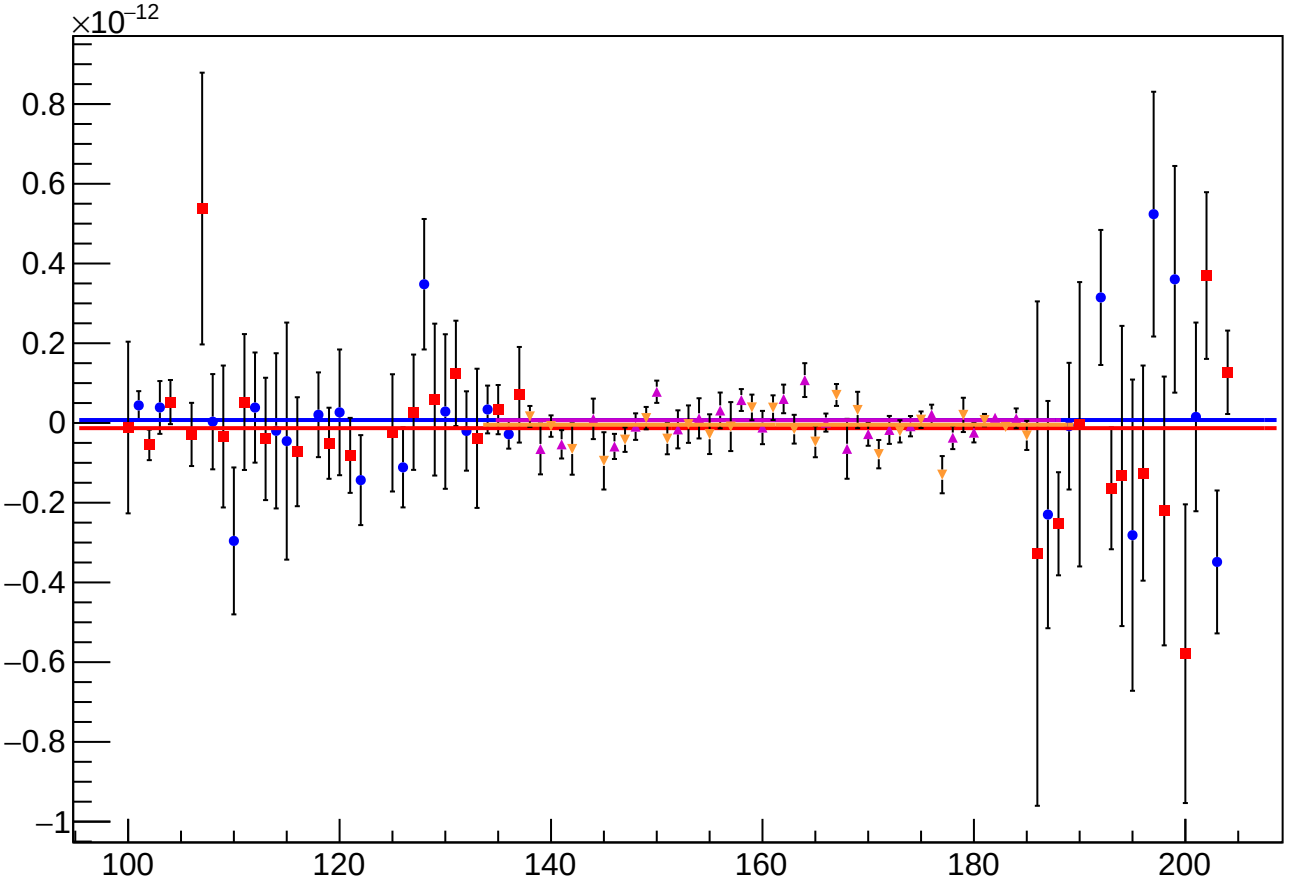
Right Out: 116.540+/-0.025 χ^2/NDF: 4344570.4/27

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 106.207+/-0.015 χ^2/NDF: 4968477.0/47

All: 105.333+/-0.010 χ^2/NDF: 11655190.8/98

- sign 104.506+/-0.015 χ^2/NDF: 6680064.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

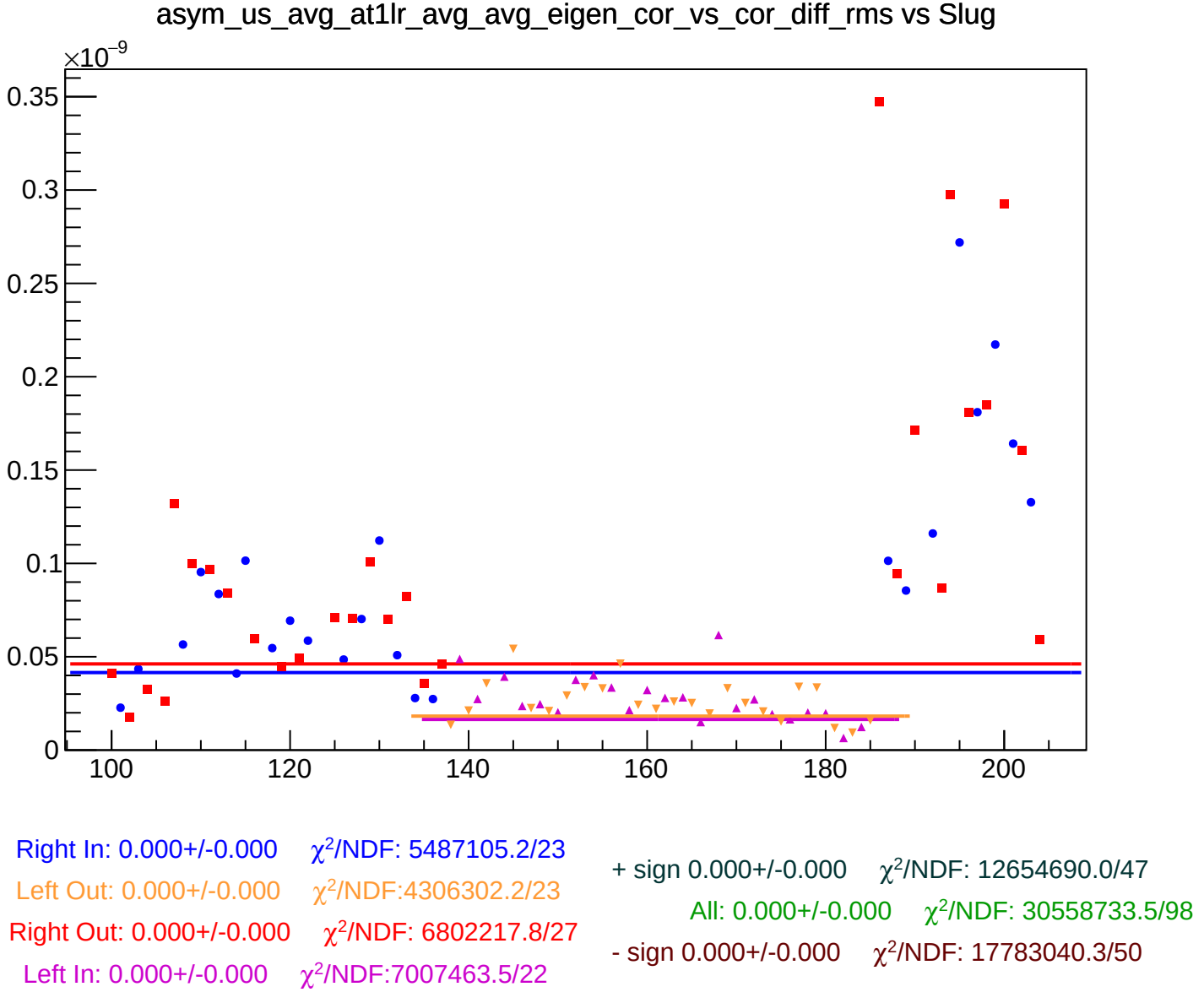
Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/27

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

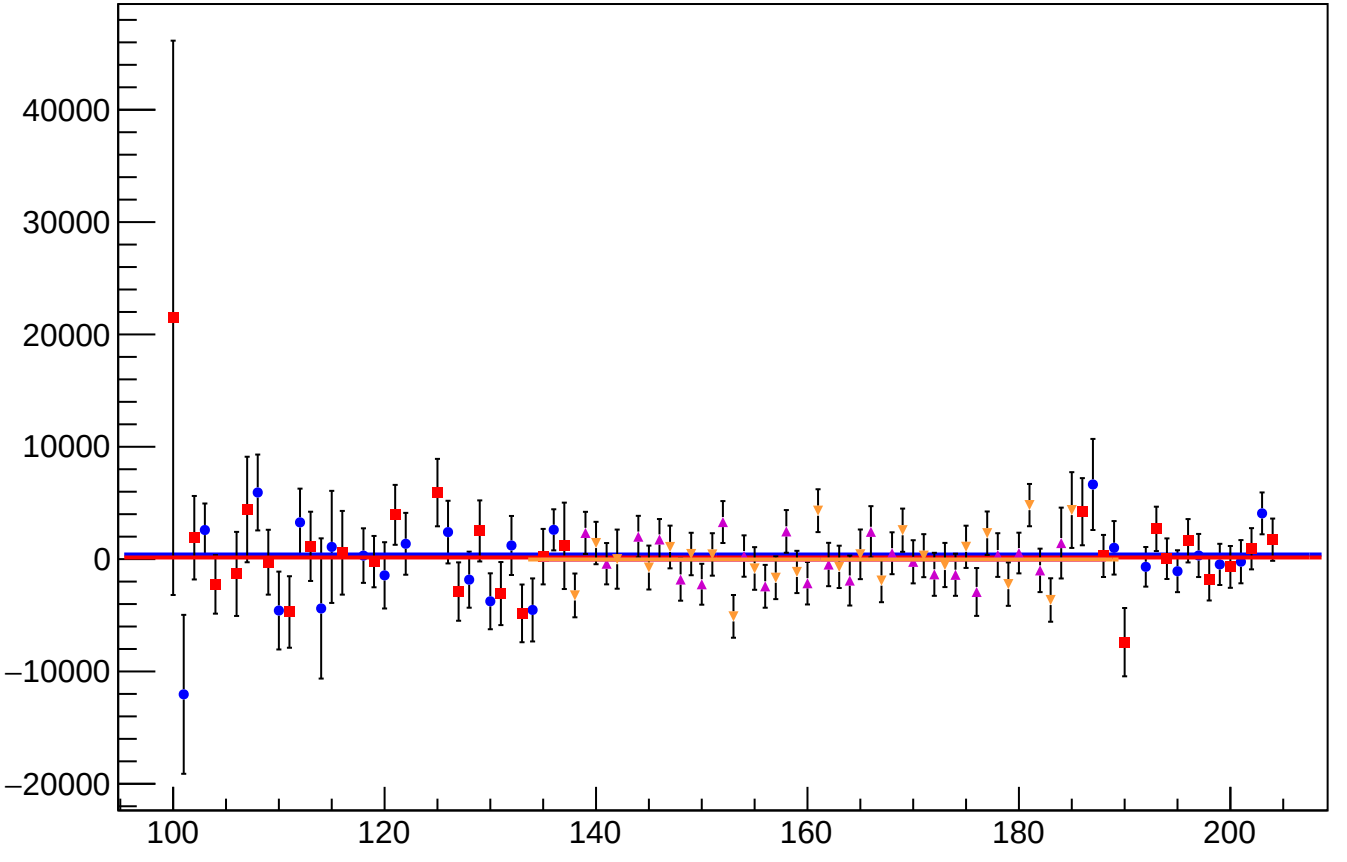
+ sign -0.000+/-0.000 χ^2/NDF: 59.1/47

All: 0.000+/-0.000 χ^2/NDF: 118.1/98

- sign 0.000+/-0.000 χ^2/NDF: 57.6/50


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5487105.2/23
Left Out: 0.000+/-0.000 χ²/NDF:4306302.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 6802217.8/27
Left In: 0.000+/-0.000 χ²/NDF:7007463.5/22
+ sign 0.000+/-0.000 χ²/NDF: 12654690.0/47
All: 0.000+/-0.000 χ²/NDF: 30558733.5/98
- sign 0.000+/-0.000 χ²/NDF: 17783040.3/50

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 410.746+/-502.570 χ^2/NDF: 27.1/23

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 145.500+/-473.907 χ^2/NDF: 30.7/27

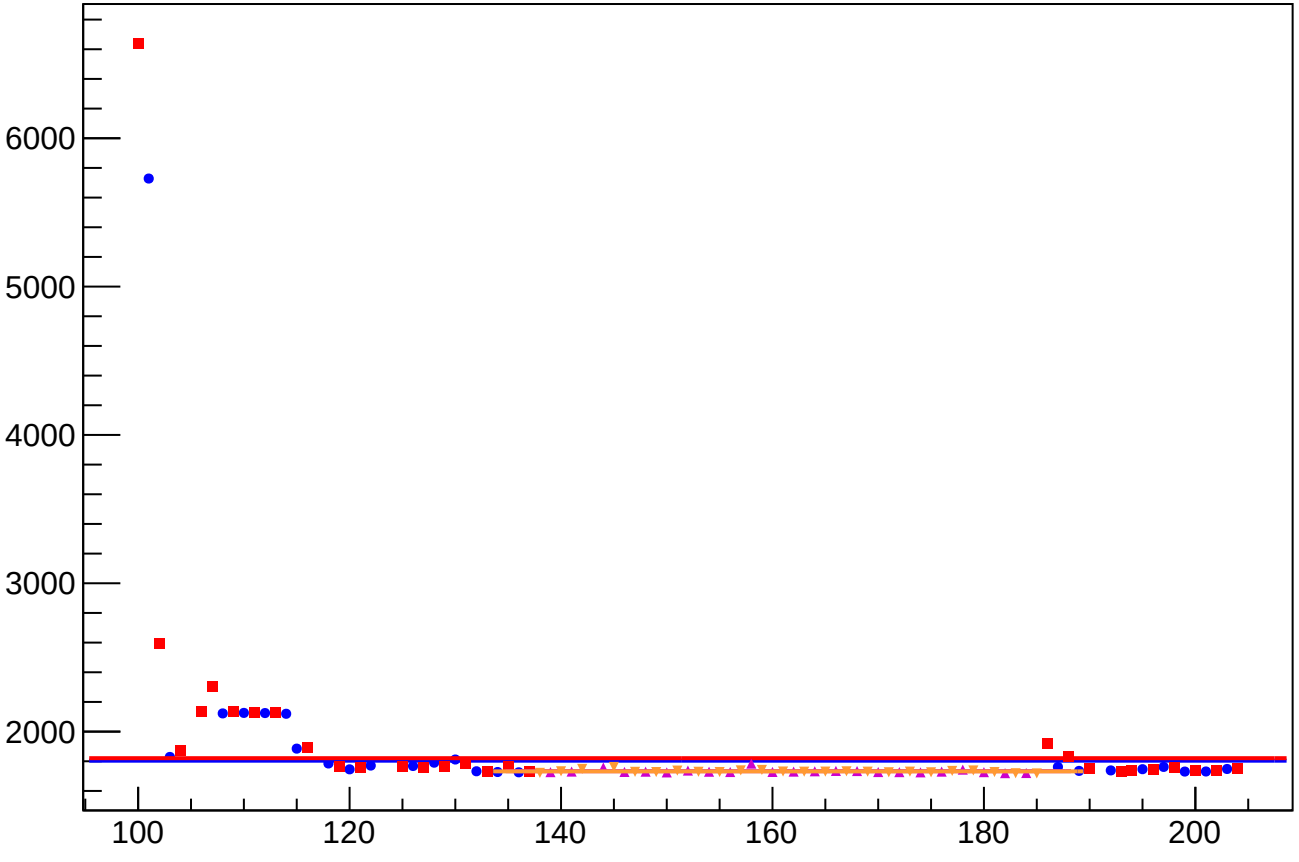
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 139.027+/-313.912 χ^2/NDF: 63.0/47

All: 83.857+/-219.760 χ^2/NDF: 113.2/98

- sign 30.829+/-307.755 χ^2/NDF: 50.2/50

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1804.028+/-0.355 χ^2/NDF: 702962.9/23

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

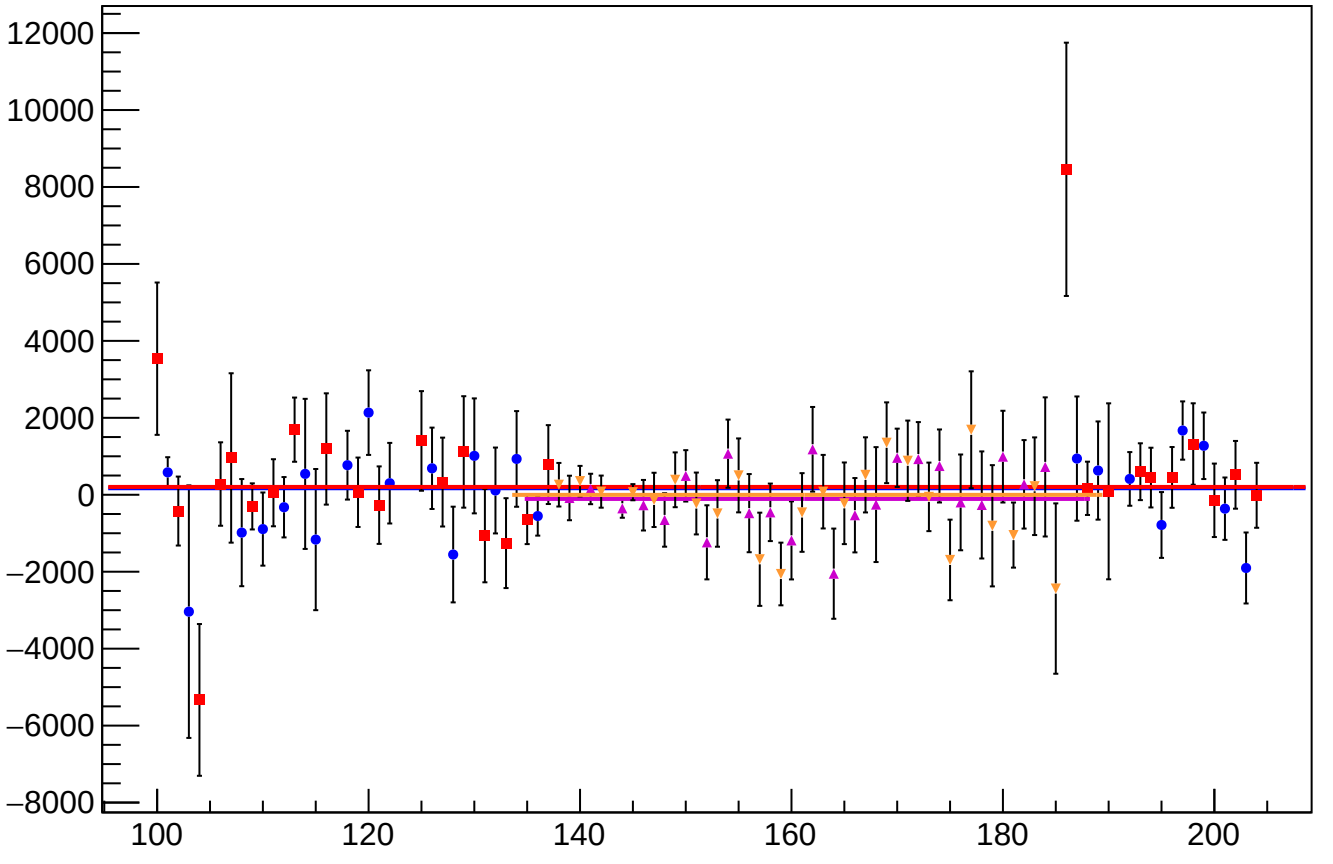
Right Out: 1820.814+/-0.335 χ^2/NDF: 300647.9/27

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1760.092+/-0.222 χ^2/NDF: 728963.9/47

All: 1765.254+/-0.155 χ^2/NDF: 1072329.5/98

- sign 1770.215+/-0.218 χ^2/NDF: 342305.1/50



Right In: 169.666+/-180.069 χ^2/NDF: 26.2/23

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: 203.639+/-183.301 χ^2/NDF: 30.1/27

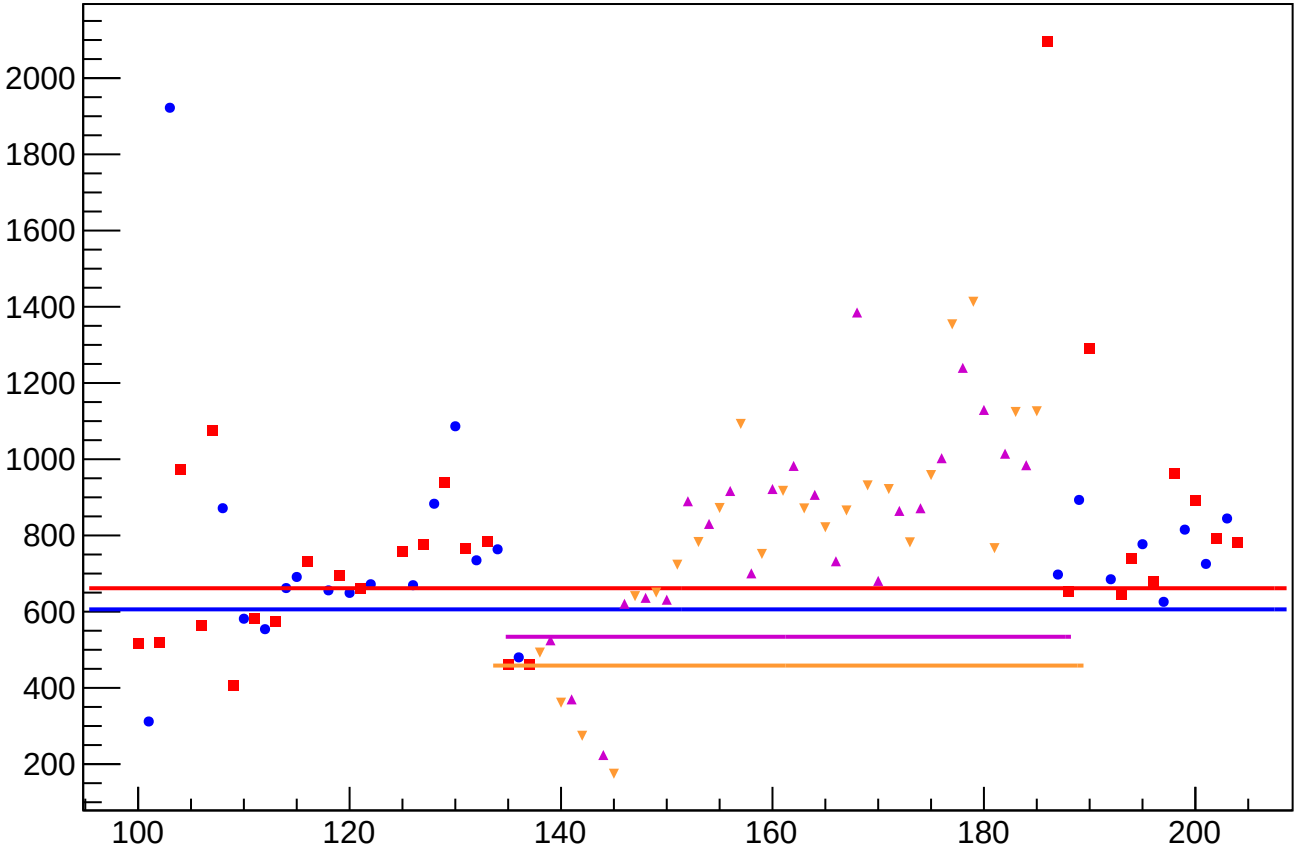
Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 56.581+/-105.430 χ^2/NDF: 47.1/47

All: 34.879+/-77.057 χ^2/NDF: 96.1/98

- sign 9.990+/-112.902 χ^2/NDF: 48.9/50

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 606.050+/-0.127 χ^2/NDF: 2548811.1/23

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 661.507+/-0.130 χ^2/NDF: 1929184.0/27

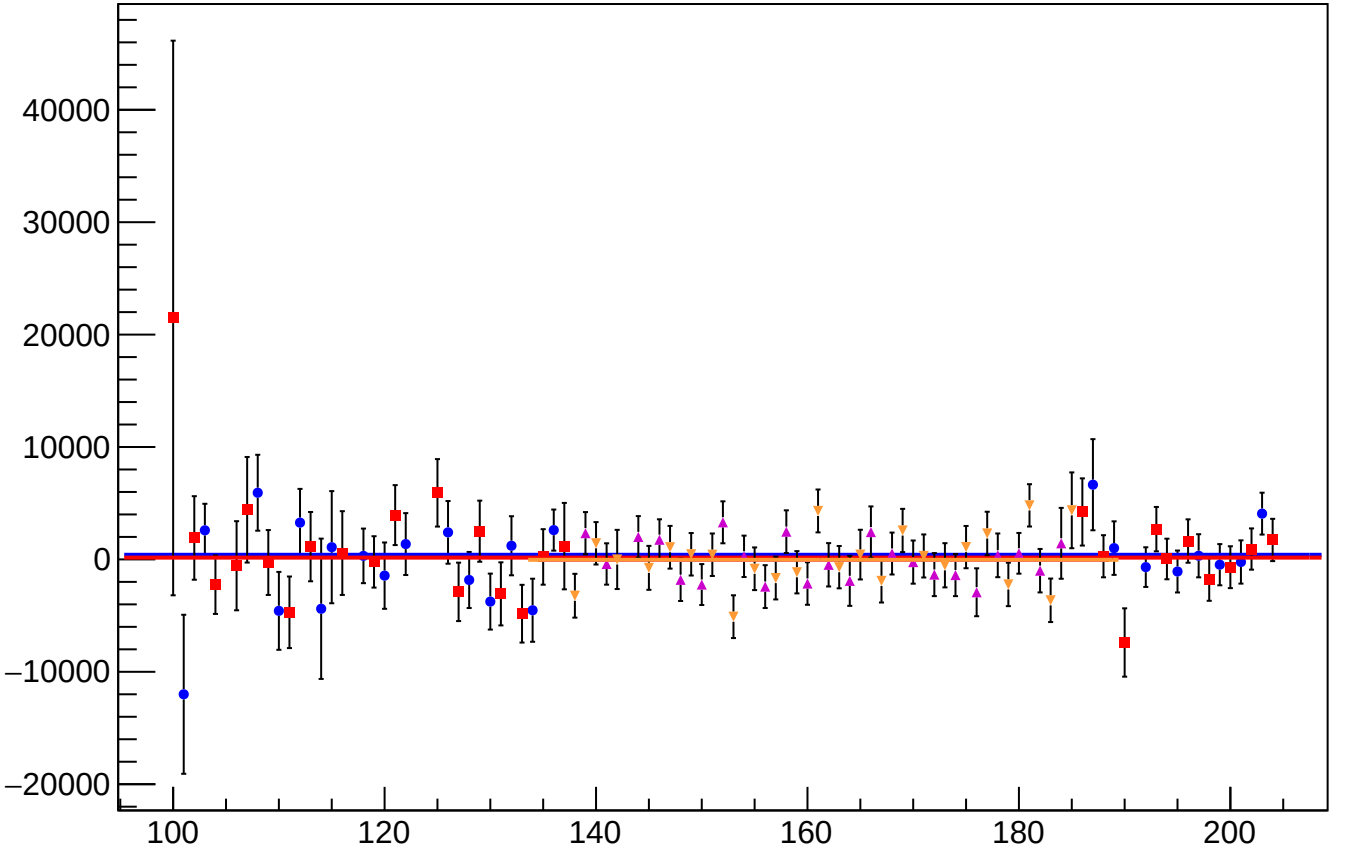
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 509.133+/-0.075 χ^2/NDF: 14857117.9/47

All: 543.296+/-0.054 χ^2/NDF: 26279517.2/98

- sign 582.474+/-0.080 χ^2/NDF: 10971576.3/50

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 410.735+/-502.570 χ^2/NDF: 27.1/23

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 158.959+/-474.321 χ^2/NDF: 30.5/27

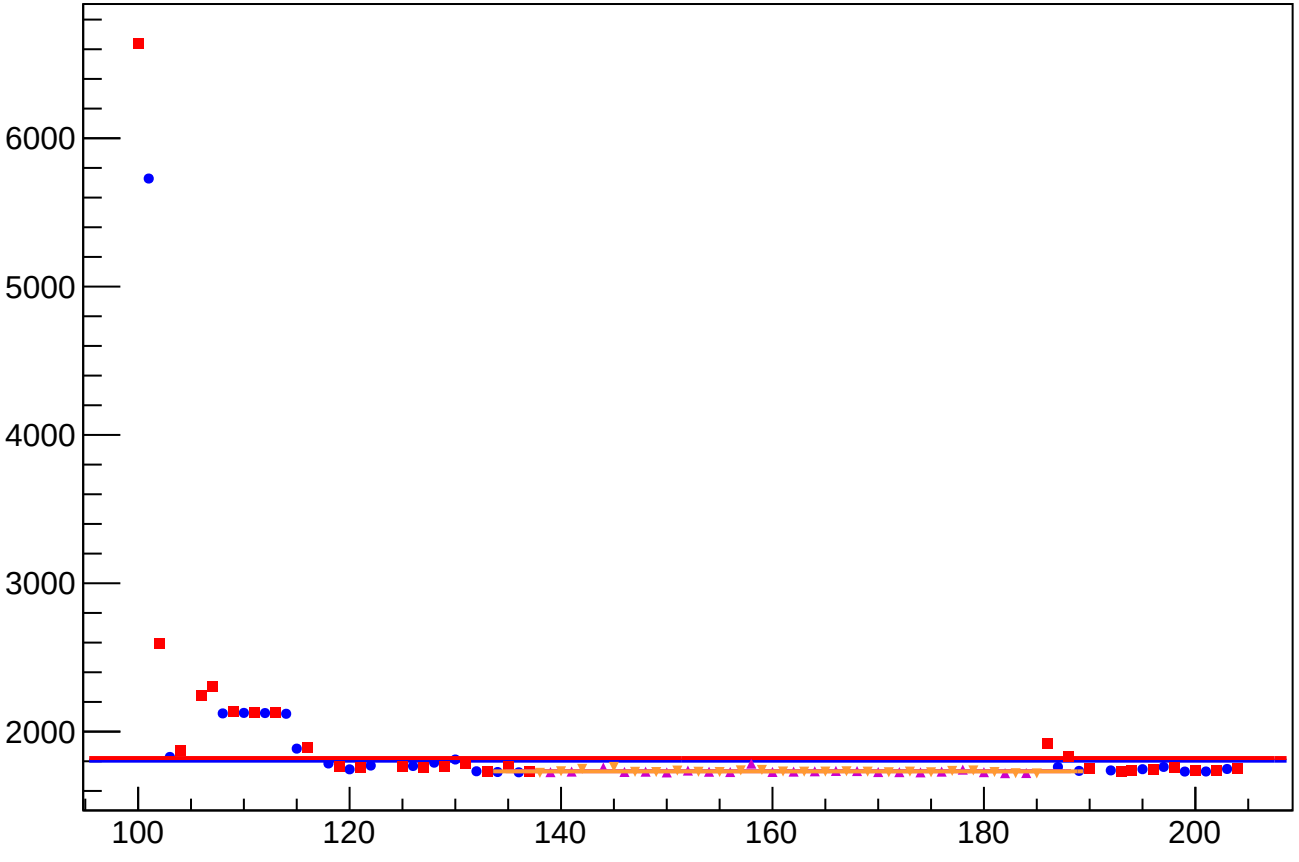
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 139.057+/-313.912 χ^2/NDF: 63.0/47

All: 86.763+/-219.802 χ^2/NDF: 113.1/98

- sign 36.463+/-307.868 χ^2/NDF: 50.1/50

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1804.028+/-0.355 χ^2/NDF: 702962.8/23

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

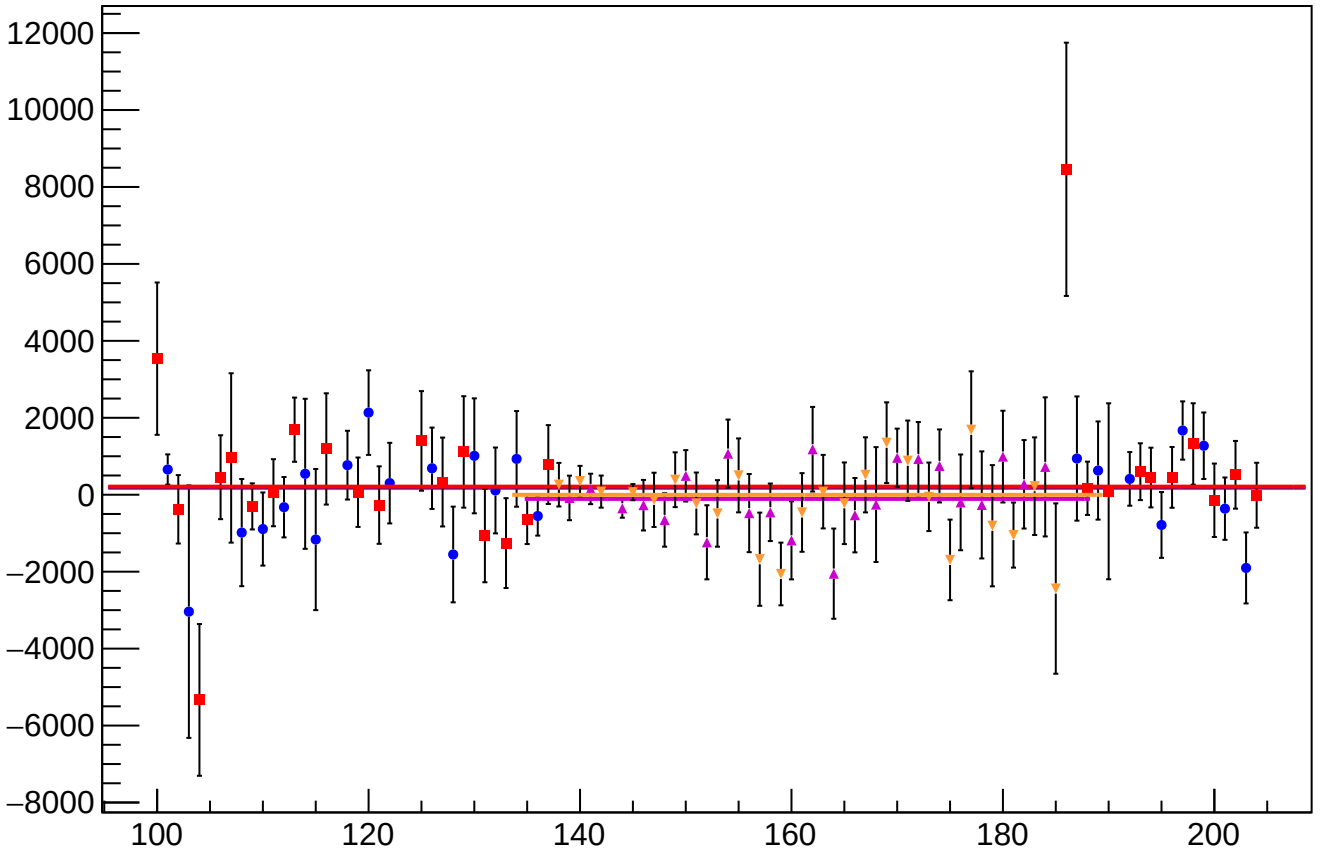
Right Out: 1821.766+/-0.335 χ^2/NDF: 308938.1/27

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1760.092+/-0.222 χ^2/NDF: 728963.7/47

All: 1765.438+/-0.155 χ^2/NDF: 1081518.6/98

- sign 1770.579+/-0.218 χ^2/NDF: 351417.1/50



Right In: 185.271+/-180.027 χ^2/NDF: 26.7/23

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

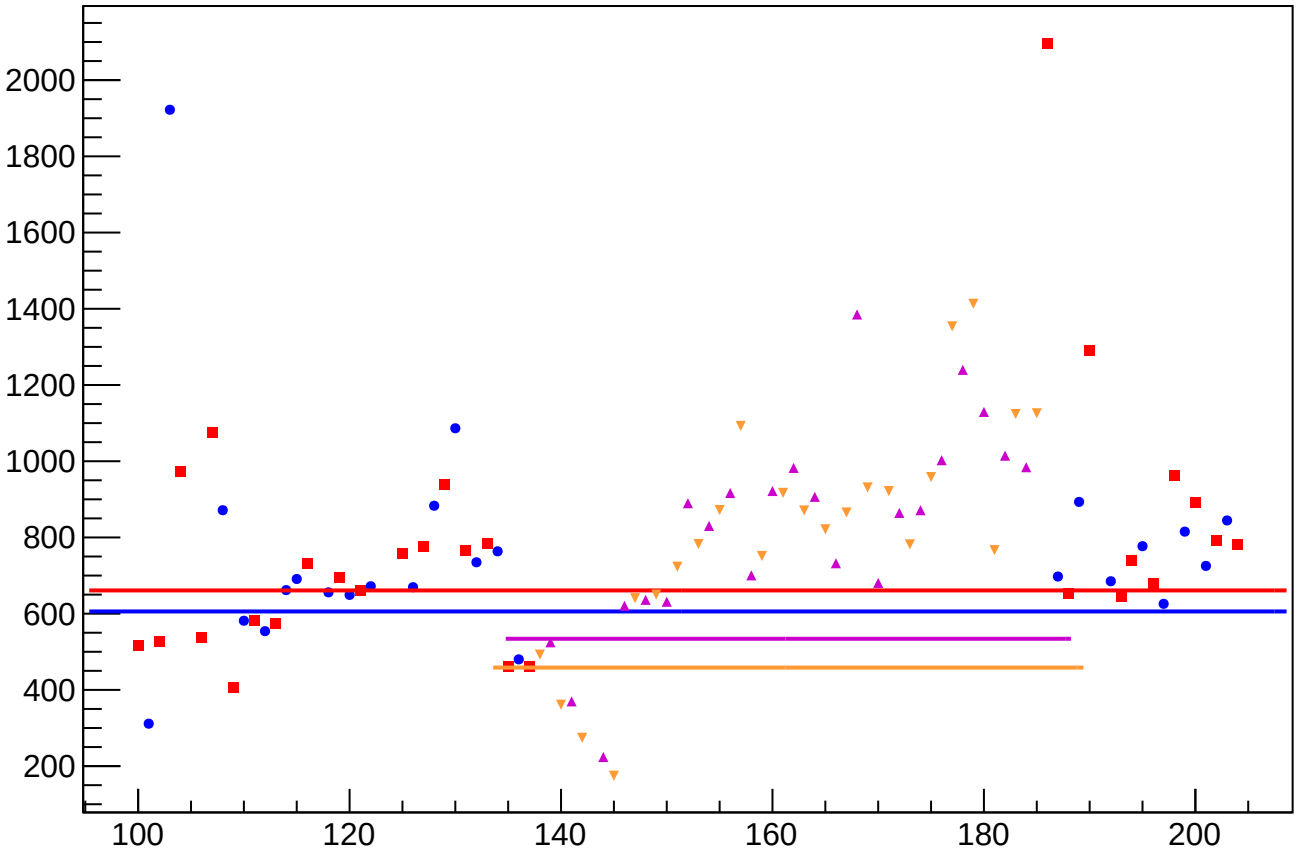
Right Out: 210.095+/-183.276 χ^2/NDF: 30.1/27

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 61.871+/-105.422 χ^2/NDF: 47.6/47

All: 38.864+/-77.052 χ^2/NDF: 96.7/98

- sign 12.478+/-112.897 χ^2/NDF: 48.9/50



Right In: 605.810+/-0.127 χ^2/NDF: 2555045.2/23

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

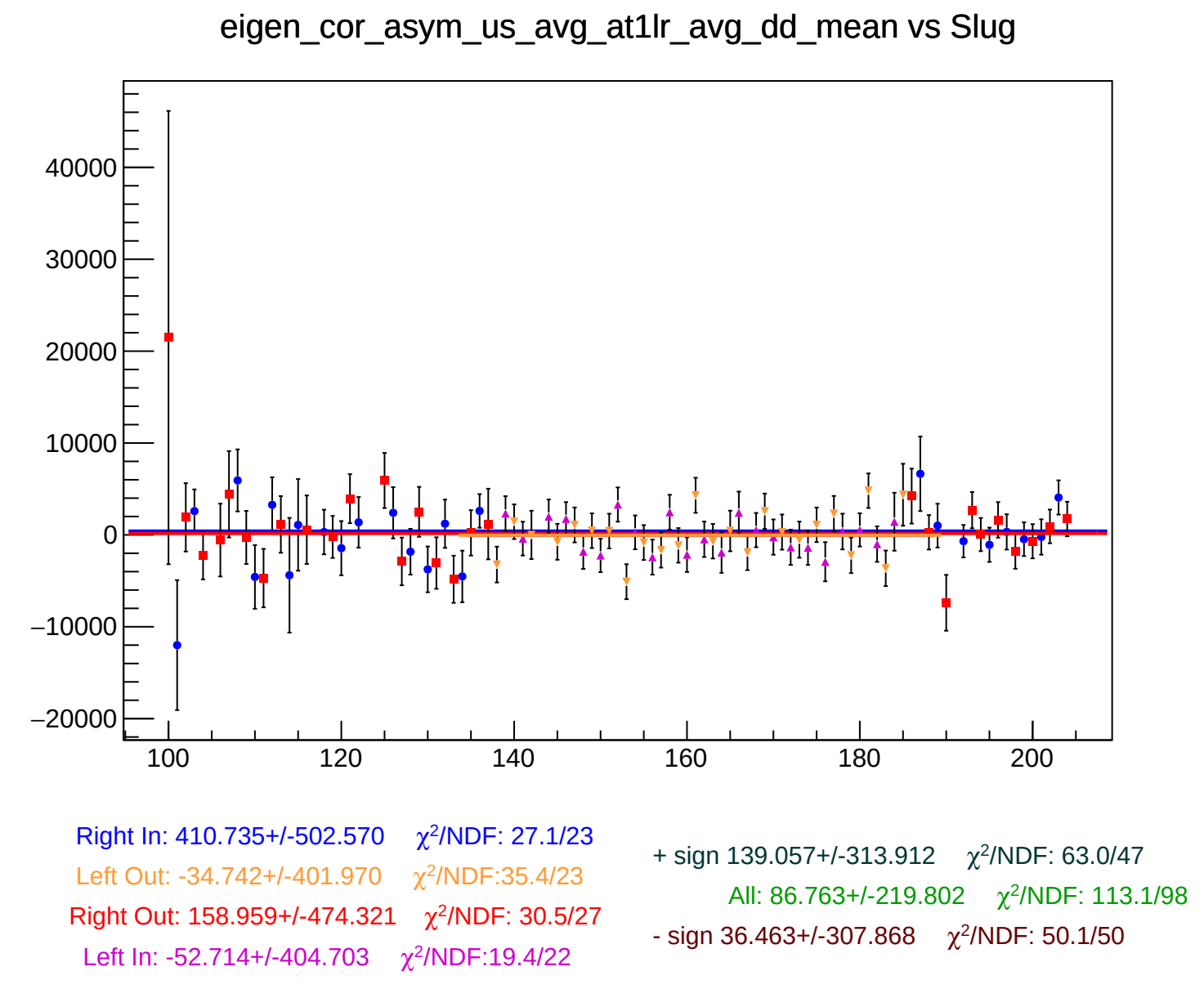
Right Out: 660.979+/-0.130 χ^2/NDF: 1934914.3/27

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

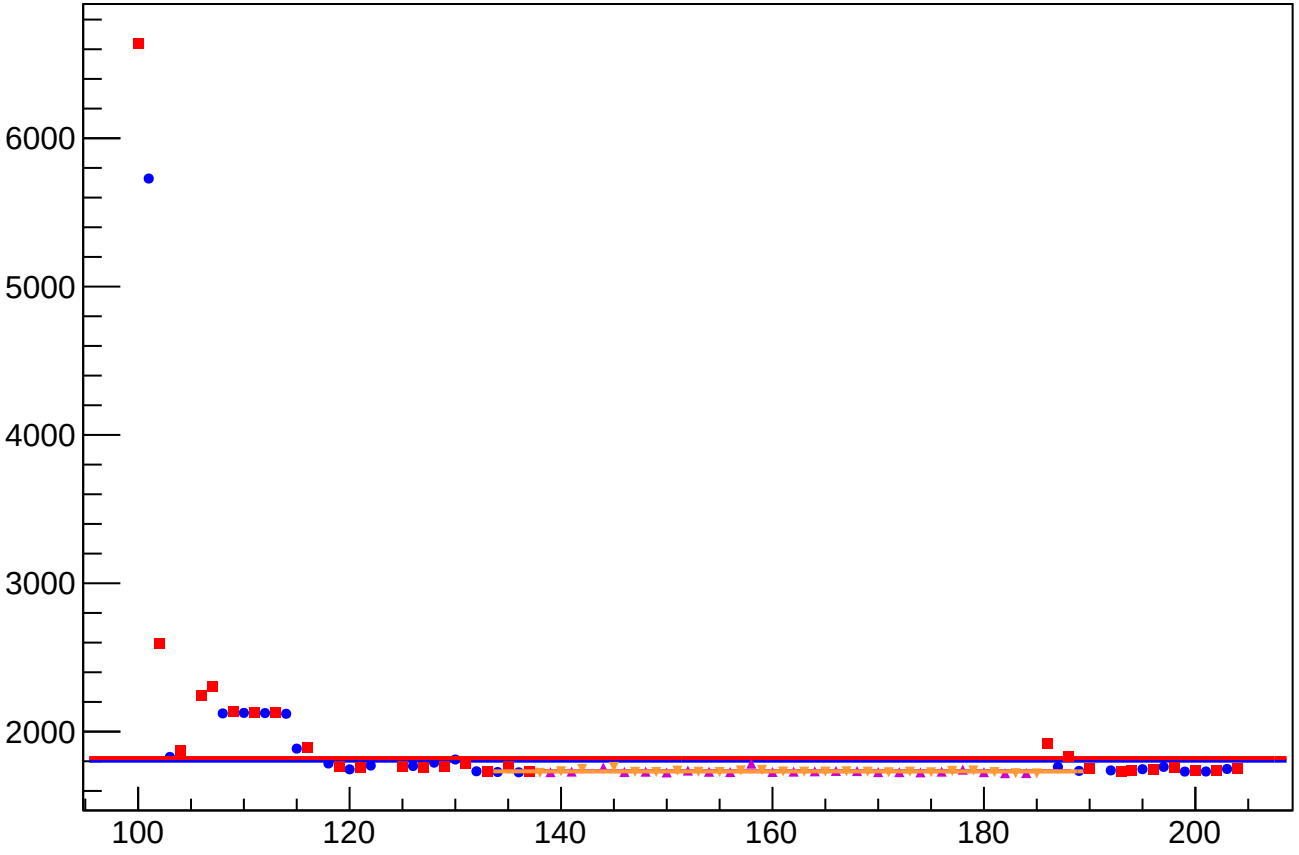
+ sign 509.074+/-0.075 χ^2/NDF: 14860210.3/47

All: 543.177+/-0.054 χ^2/NDF: 26281407.4/98

- sign 582.286+/-0.080 χ^2/NDF: 10971893.6/50


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 410.735+/-502.570 χ²/NDF: 27.1/23
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: 158.959+/-474.321 χ²/NDF: 30.5/27
Left In: -52.714+/-404.703 χ²/NDF:19.4/22
+ sign 139.057+/-313.912 χ²/NDF: 63.0/47
All: 86.763+/-219.802 χ²/NDF: 113.1/98
- sign 36.463+/-307.868 χ²/NDF: 50.1/50

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1804.028+/-0.355 χ^2/NDF: 702962.8/23

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

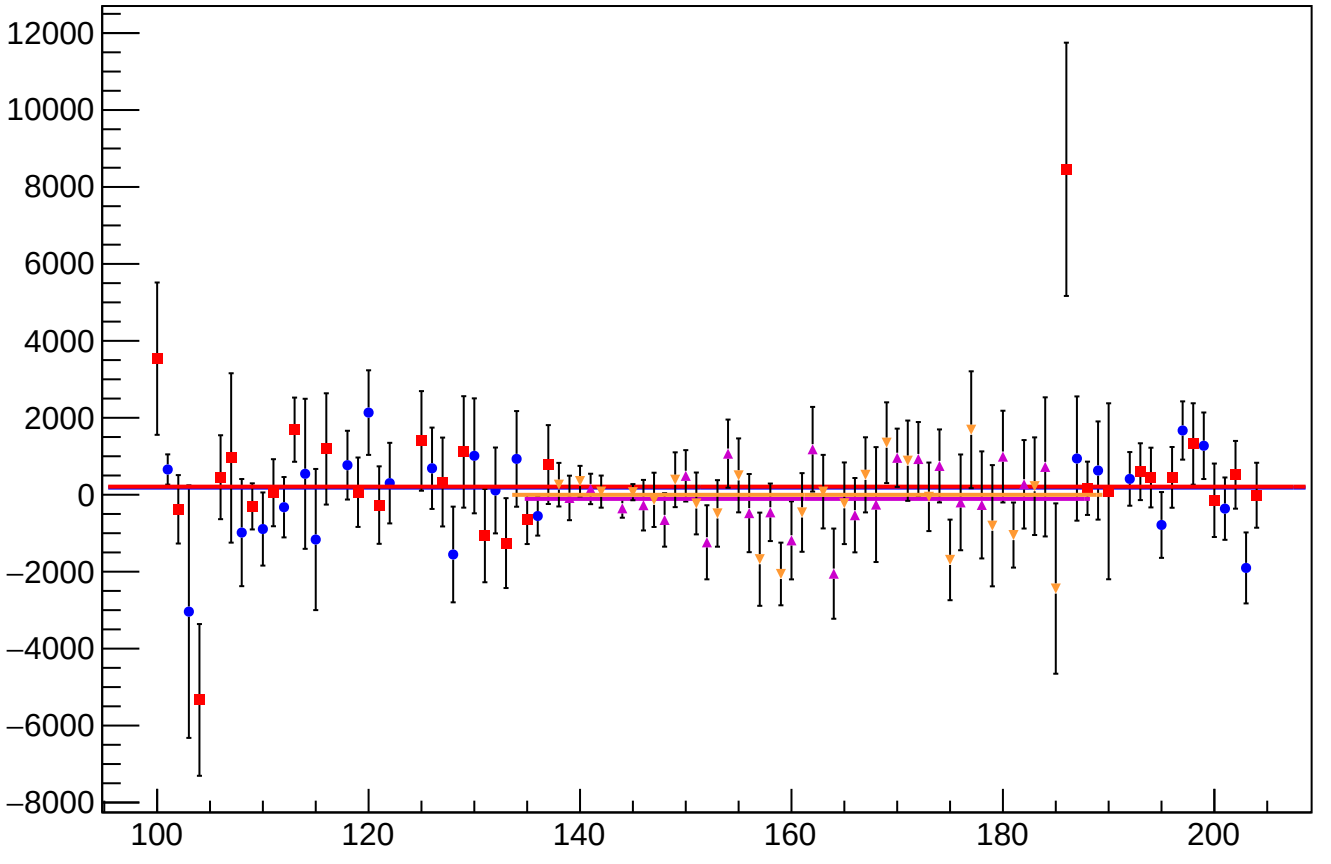
Right Out: 1821.766+/-0.335 χ^2/NDF: 308938.1/27

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1760.092+/-0.222 χ^2/NDF: 728963.7/47

All: 1765.438+/-0.155 χ^2/NDF: 1081518.6/98

- sign 1770.579+/-0.218 χ^2/NDF: 351417.1/50



Right In: 185.271+/-180.027 χ^2/NDF: 26.7/23

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

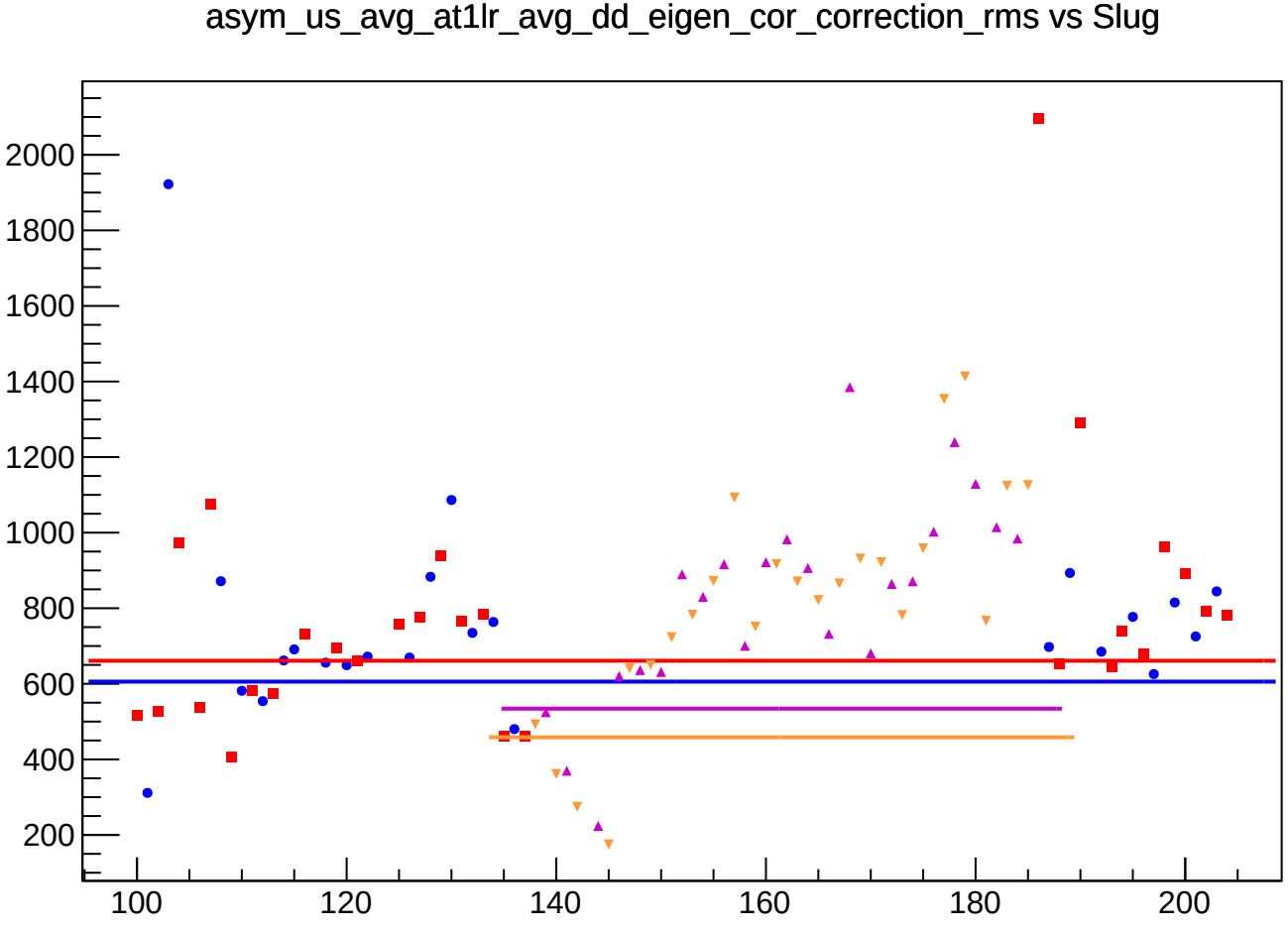
Right Out: 210.095+/-183.276 χ^2/NDF: 30.1/27

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 61.871+/-105.422 χ^2/NDF: 47.6/47

All: 38.864+/-77.052 χ^2/NDF: 96.7/98

- sign 12.478+/-112.897 χ^2/NDF: 48.9/50



Right In: 605.810+/-0.127 χ^2/NDF: 2555045.2/23

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 660.979+/-0.130 χ^2/NDF: 1934914.3/27

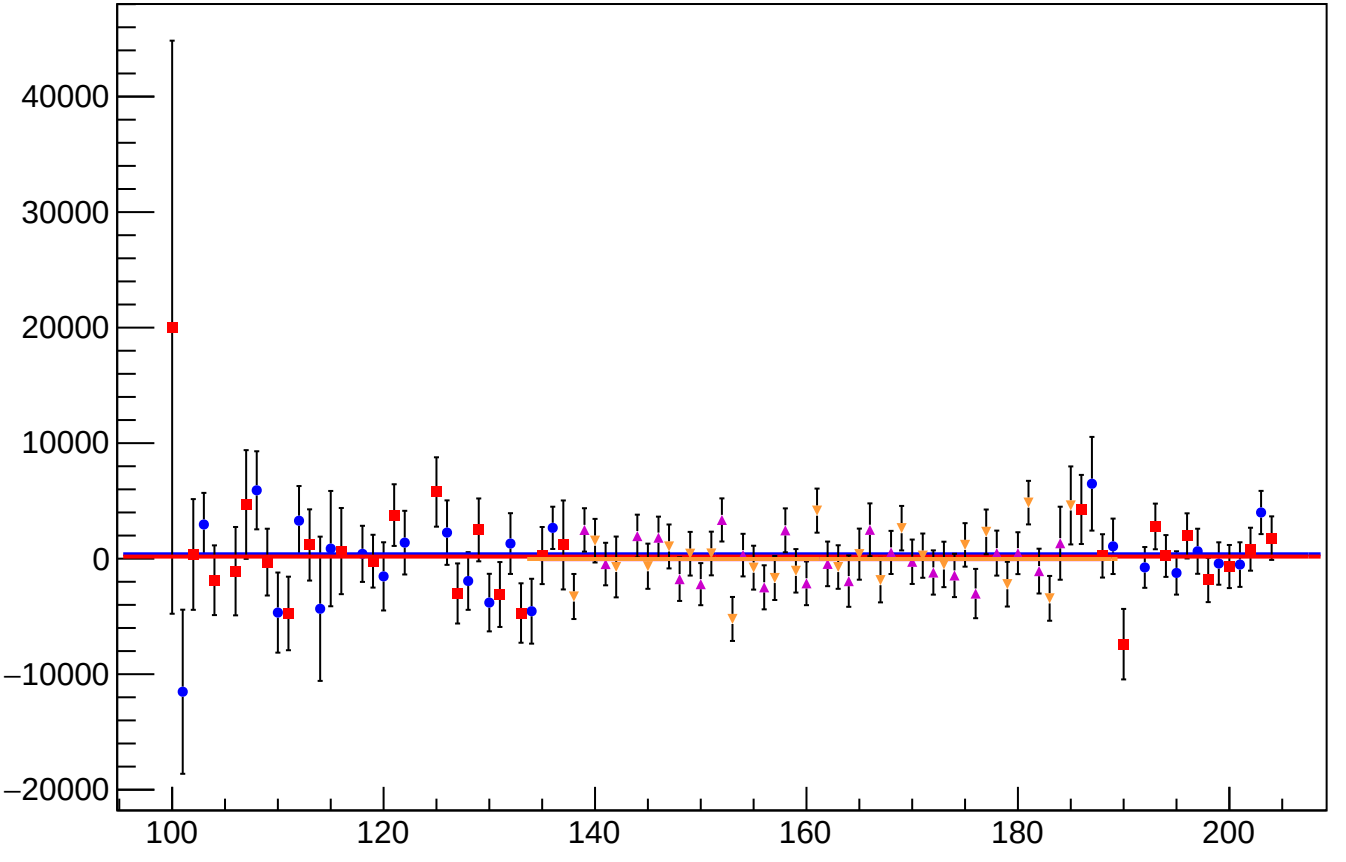
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 509.074+/-0.075 χ^2/NDF: 14860210.3/47

All: 543.177+/-0.054 χ^2/NDF: 26281407.4/98

- sign 582.286+/-0.080 χ^2/NDF: 10971893.6/50

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 378.618+/-507.013 χ^2/NDF: 27.1/23

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 179.480+/-479.194 χ^2/NDF: 30.0/27

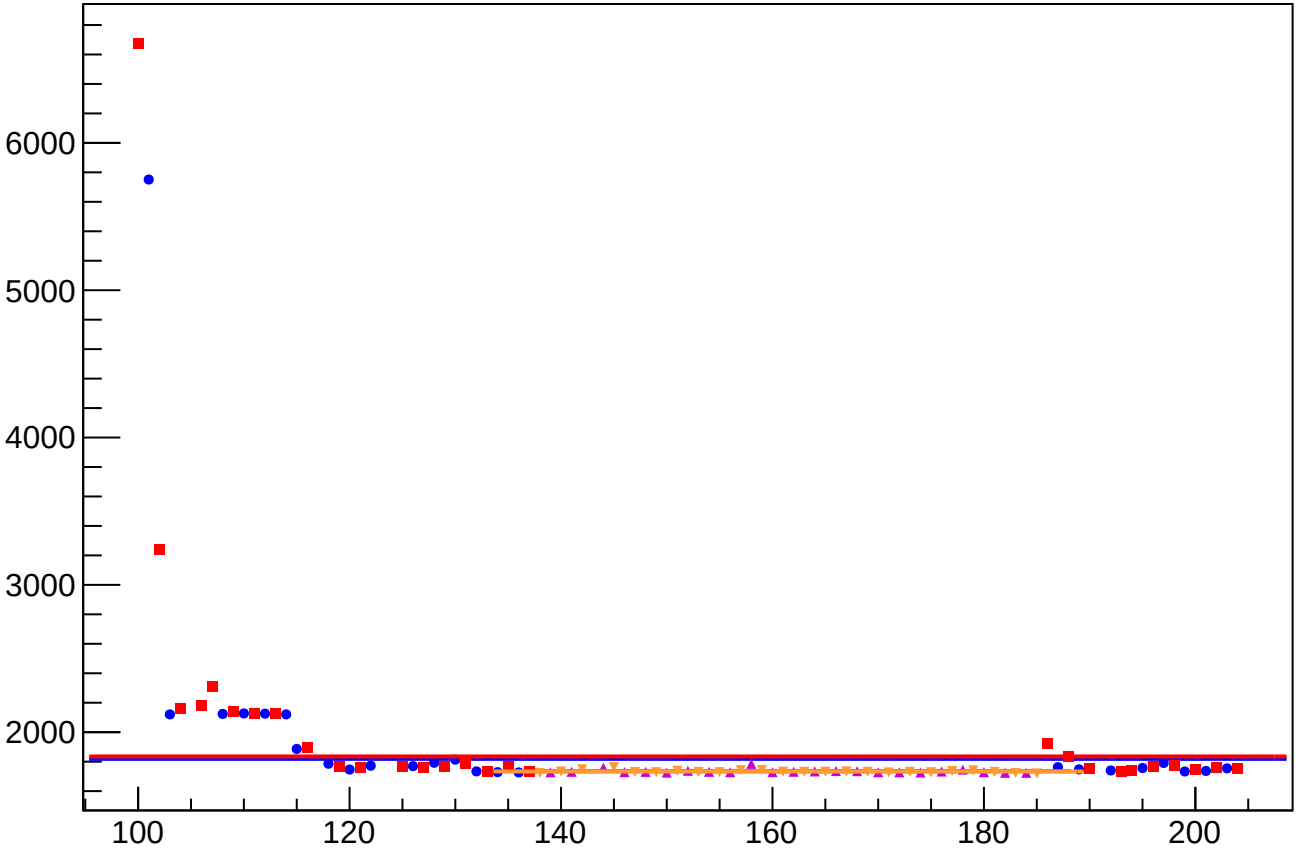
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

\+ sign 128.253+/-315.153 χ^2/NDF: 63.0/47

All: 88.413+/-220.765 χ^2/NDF: 113.0/98

\- sign 50.028+/-309.345 χ^2/NDF: 50.0/50

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1819.083+/-0.359 χ^2/NDF: 726608.0/23

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

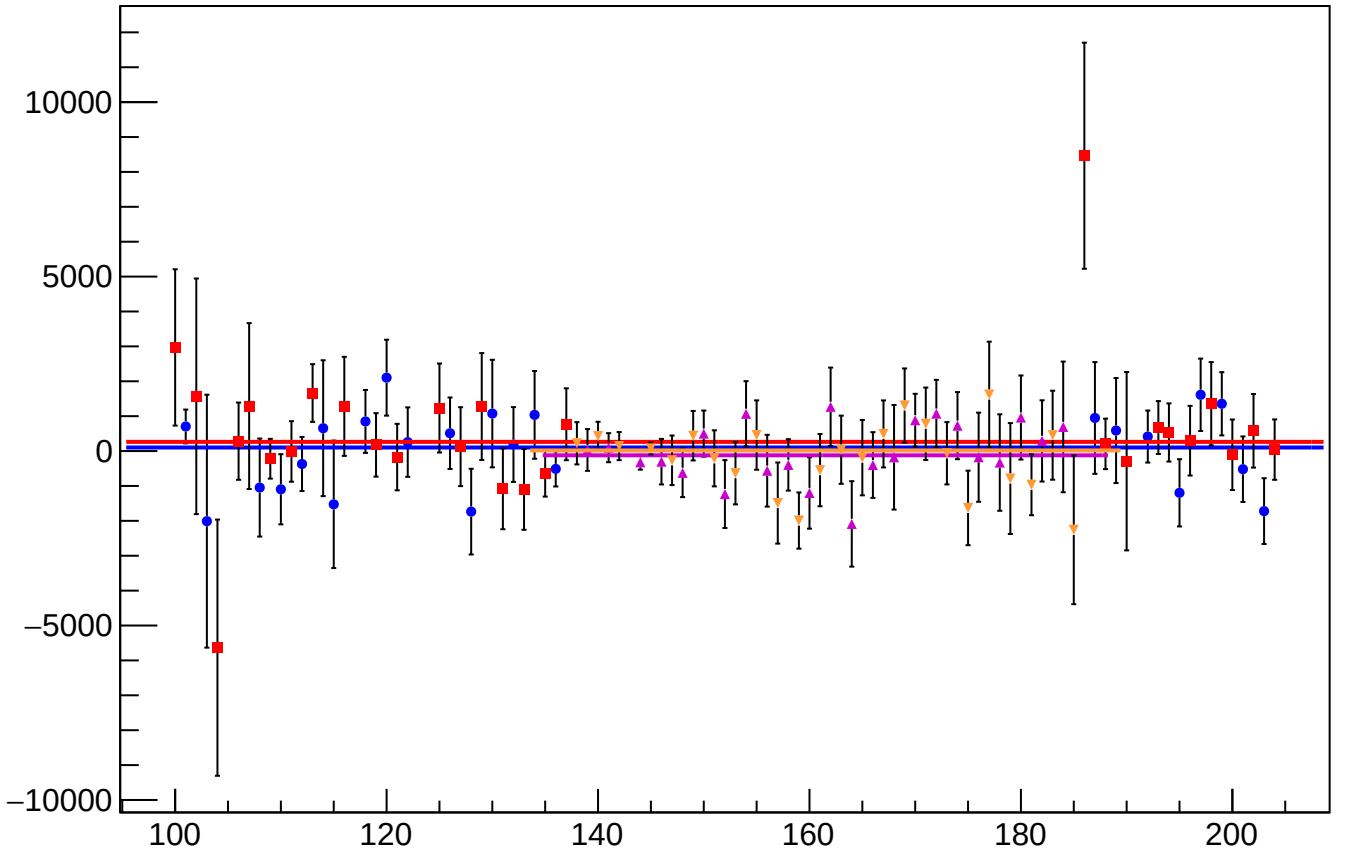
Right Out: 1835.367+/-0.339 χ^2/NDF: 409633.6/27

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1766.554+/-0.223 χ^2/NDF: 762495.1/47

All: 1771.729+/-0.156 χ^2/NDF: 1226732.3/98

- sign 1776.716+/-0.219 χ^2/NDF: 463178.1/50



Right In: 102.076+/-193.389 χ^2/NDF: 24.7/23

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

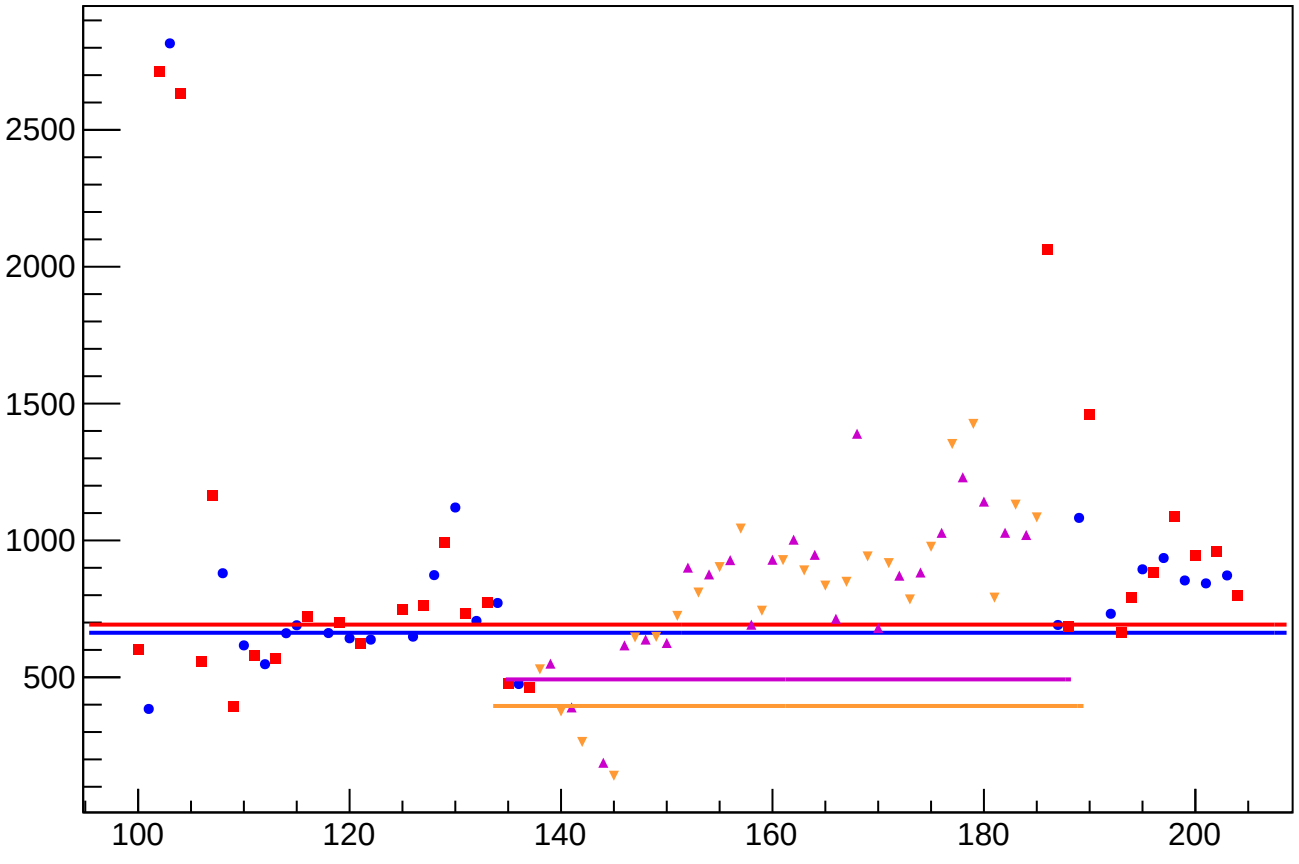
Right Out: 263.470+/-193.182 χ^2/NDF: 22.6/27

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 41.205+/-101.555 χ^2/NDF: 44.3/47

All: 25.915+/-75.182 χ^2/NDF: 86.1/98

- sign 7.374+/-111.832 χ^2/NDF: 41.7/50



Right In: 662.667+/-0.137 χ^2/NDF: 2684261.3/23

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

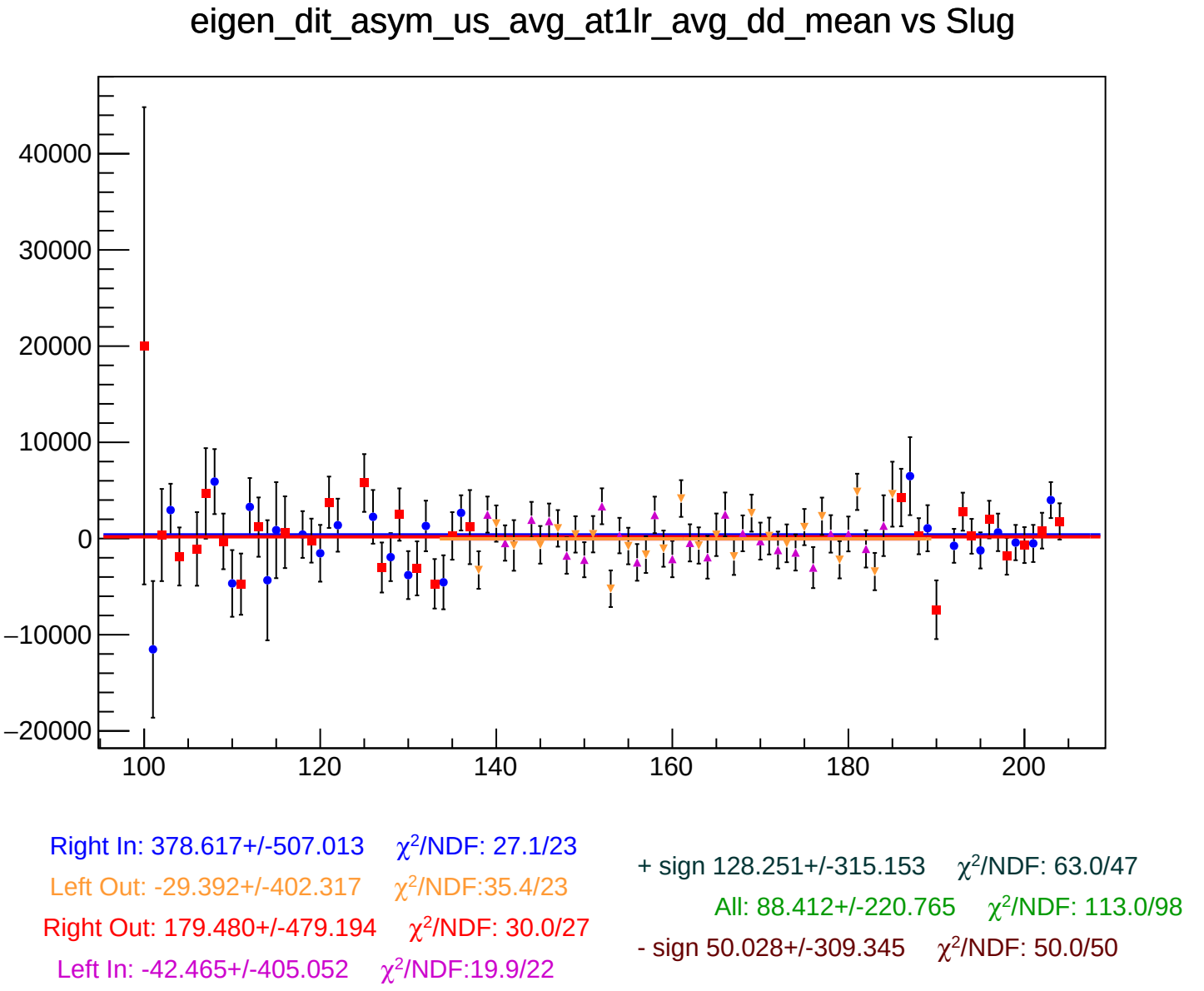
Right Out: 692.476+/-0.137 χ^2/NDF: 3588425.4/27

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

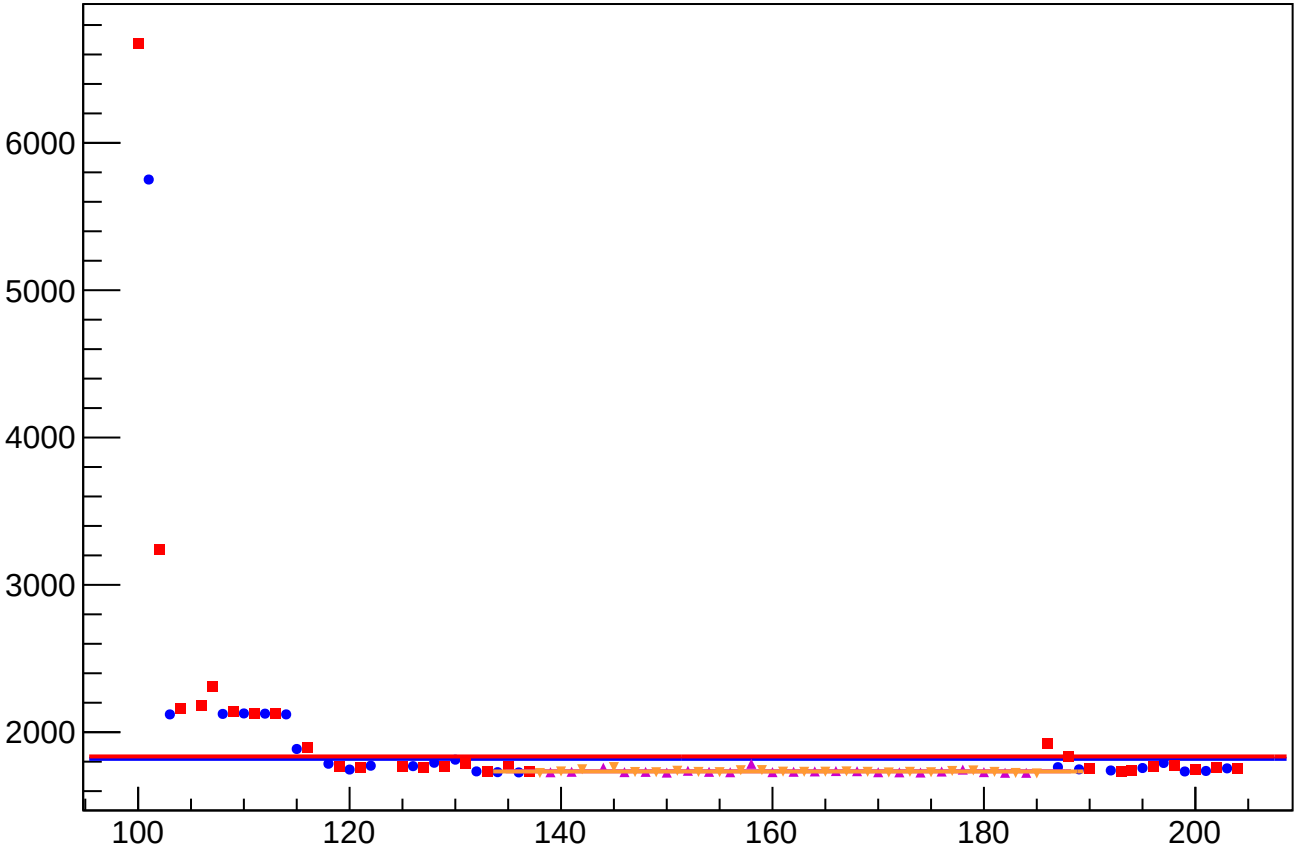
+ sign 468.949+/-0.072 χ^2/NDF: 19789610.6/47

All: 509.819+/-0.053 χ^2/NDF: 35942116.2/98

- sign 559.379+/-0.079 χ^2/NDF: 15435799.2/50


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 378.617+/-507.013 χ²/NDF: 27.1/23
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: 179.480+/-479.194 χ²/NDF: 30.0/27
Left In: -42.465+/-405.052 χ²/NDF:19.9/22
+ sign 128.251+/-315.153 χ²/NDF: 63.0/47
All: 88.412+/-220.765 χ²/NDF: 113.0/98
- sign 50.028+/-309.345 χ²/NDF: 50.0/50

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1819.083+/-0.359 χ^2/NDF: 726607.6/23

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

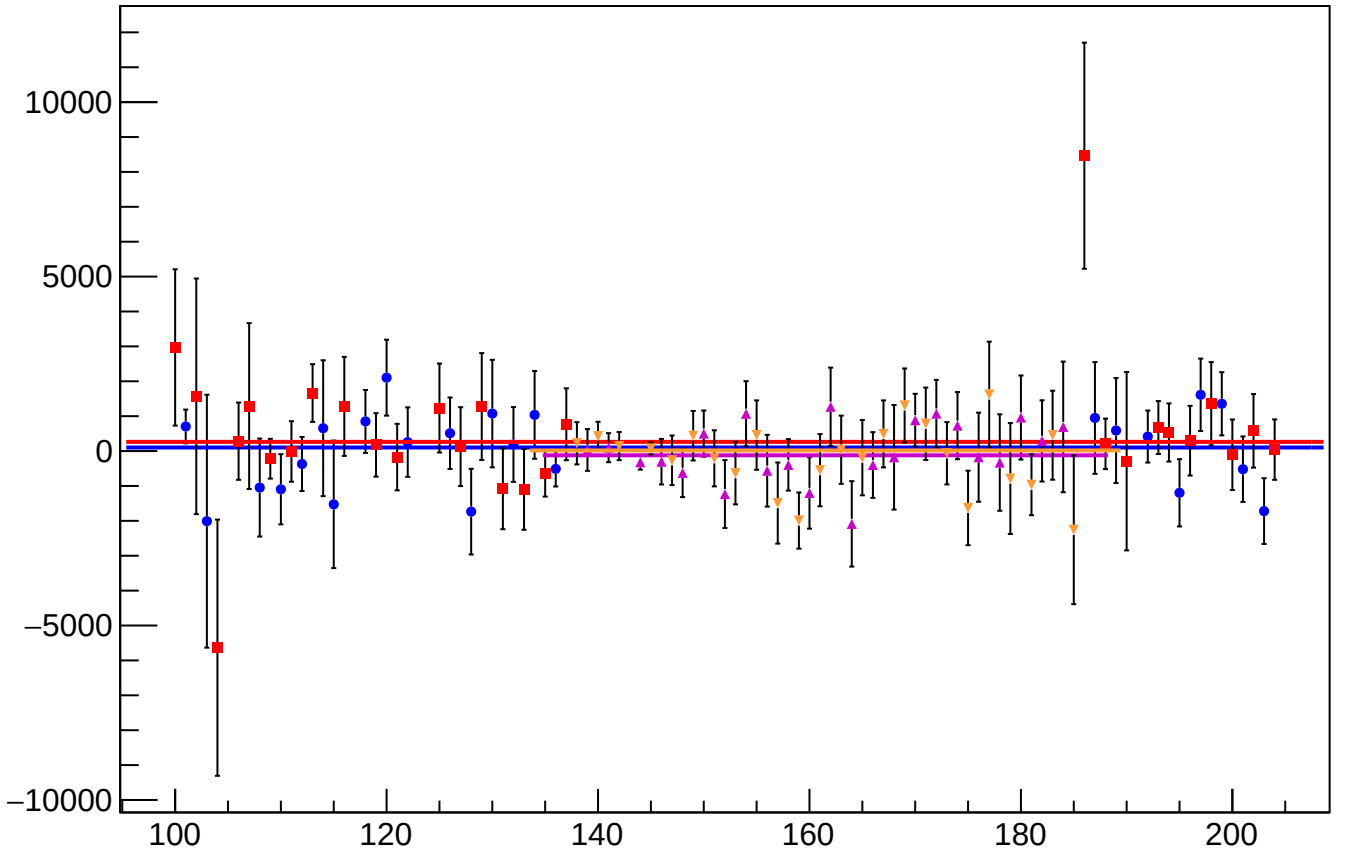
Right Out: 1835.367+/-0.339 χ^2/NDF: 409632.7/27

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1766.554+/-0.223 χ^2/NDF: 762494.7/47

All: 1771.729+/-0.156 χ^2/NDF: 1226731.0/98

- sign 1776.716+/-0.219 χ^2/NDF: 463177.2/50



Right In: 102.075+/-193.389 χ^2/NDF: 24.7/23

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

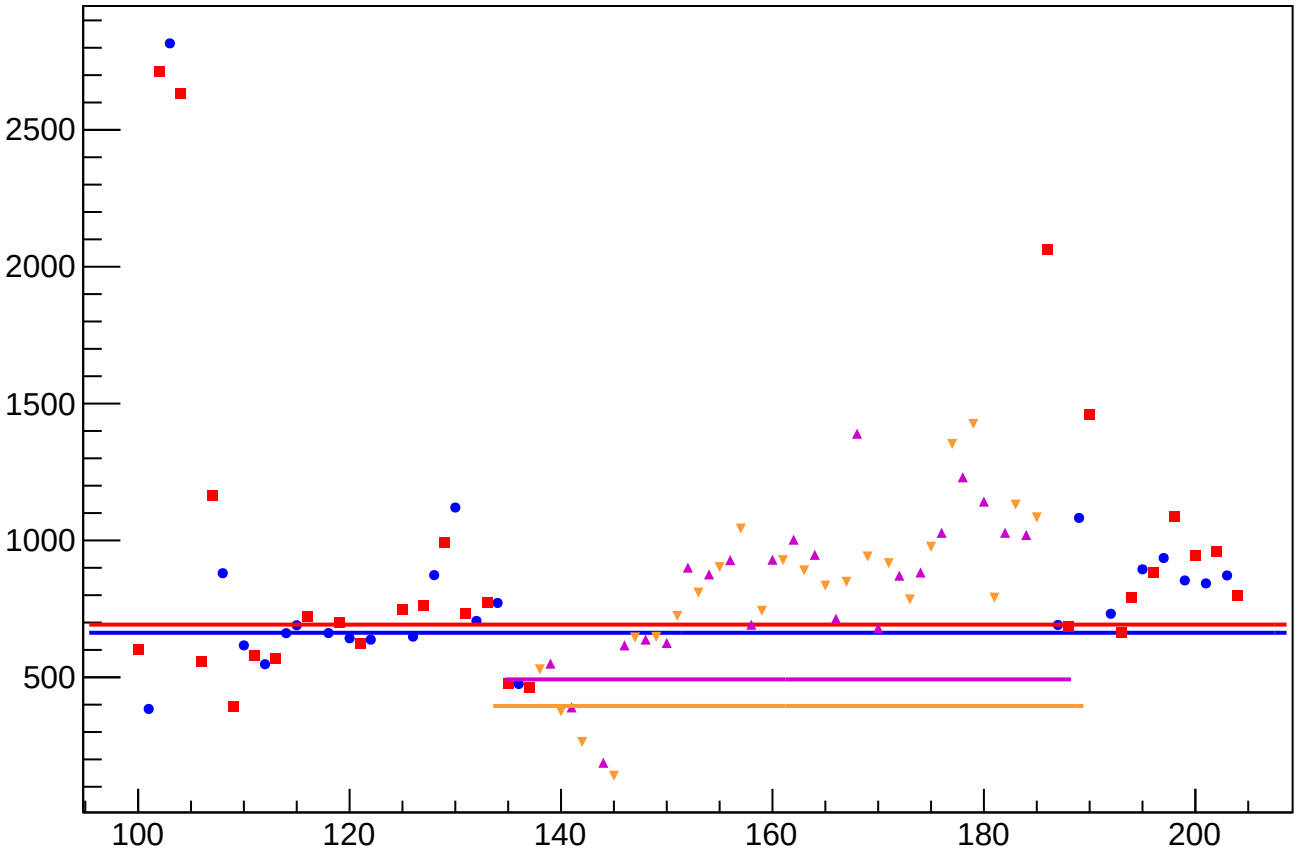
Right Out: 263.468+/-193.181 χ^2/NDF: 22.6/27

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 41.204+/-101.555 χ^2/NDF: 44.3/47

All: 25.914+/-75.182 χ^2/NDF: 86.1/98

- sign 7.374+/-111.832 χ^2/NDF: 41.7/50



Right In: 662.665+/-0.137 χ^2/NDF: 2684269.7/23

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 692.473+/-0.137 χ^2/NDF: 3588471.5/27

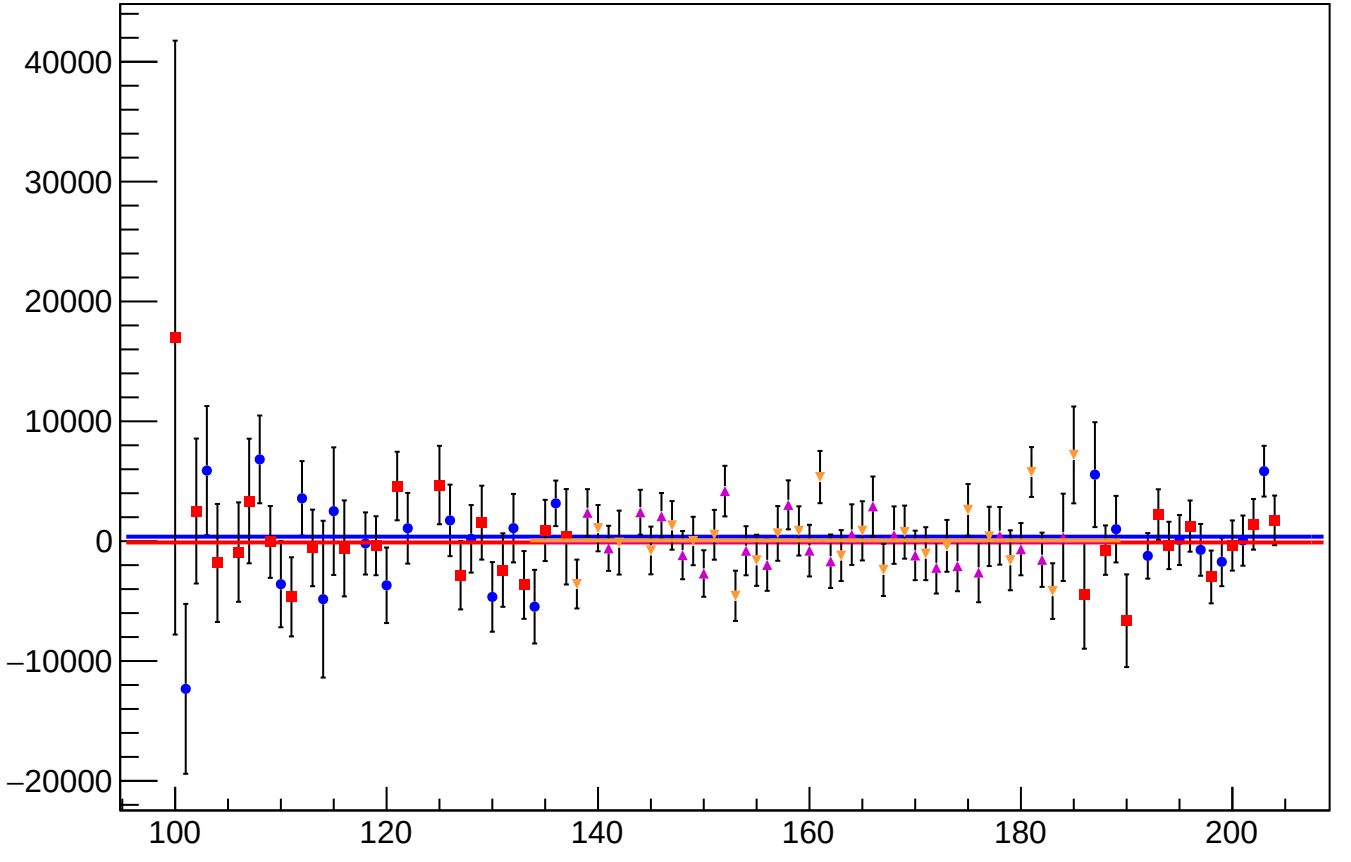
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 468.949+/-0.072 χ^2/NDF: 19789635.3/47

All: 509.819+/-0.053 χ^2/NDF: 35942153.3/98

- sign 559.379+/-0.079 χ^2/NDF: 15435813.7/50

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 375.584+/-559.599 χ^2/NDF: 31.4/23

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -105.687+/-532.372 χ^2/NDF: 20.1/27

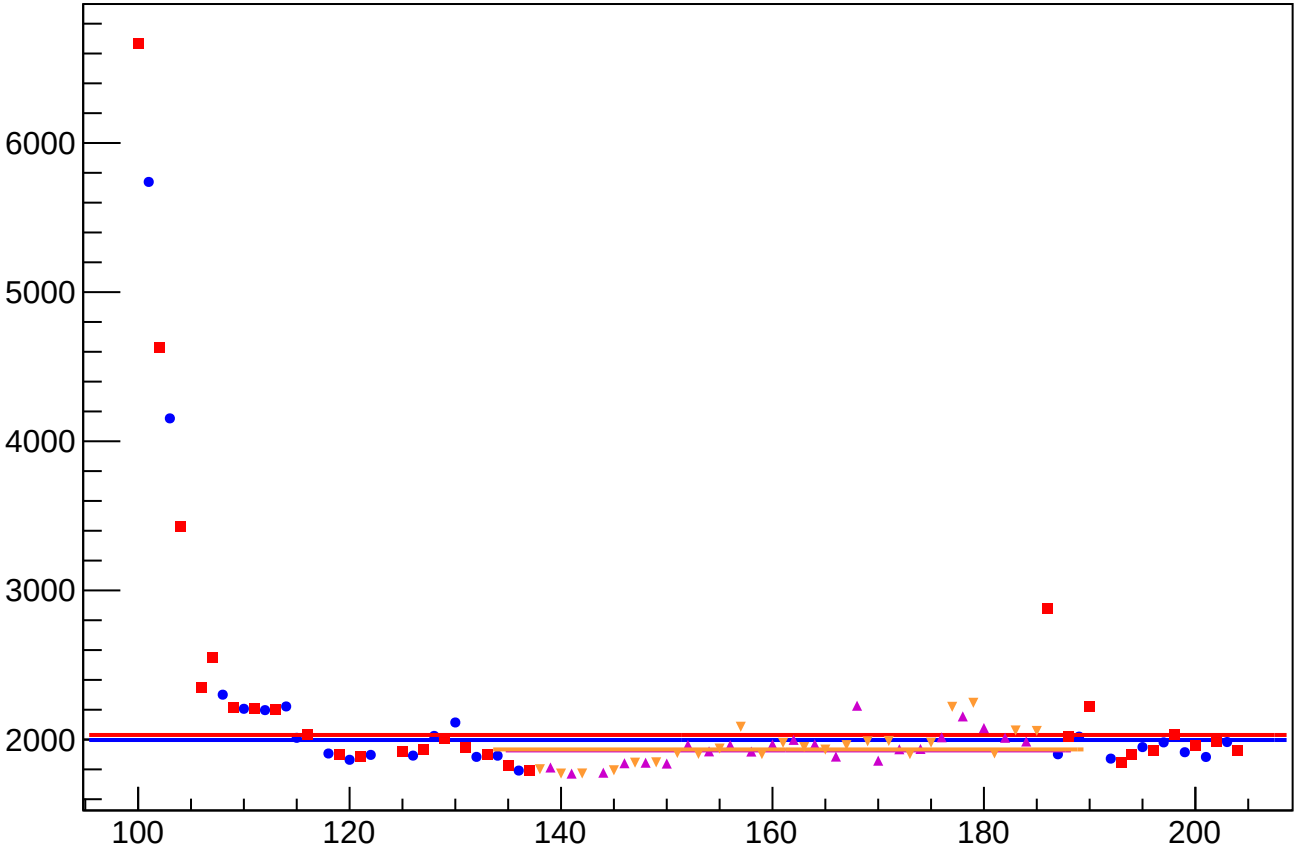
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 187.895+/-350.562 χ^2/NDF: 65.2/47

All: 62.105+/-245.535 χ^2/NDF: 105.6/98

- sign -59.026+/-344.009 χ^2/NDF: 40.1/50

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1996.928+/-0.396 χ^2/NDF: 972461.6/23

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

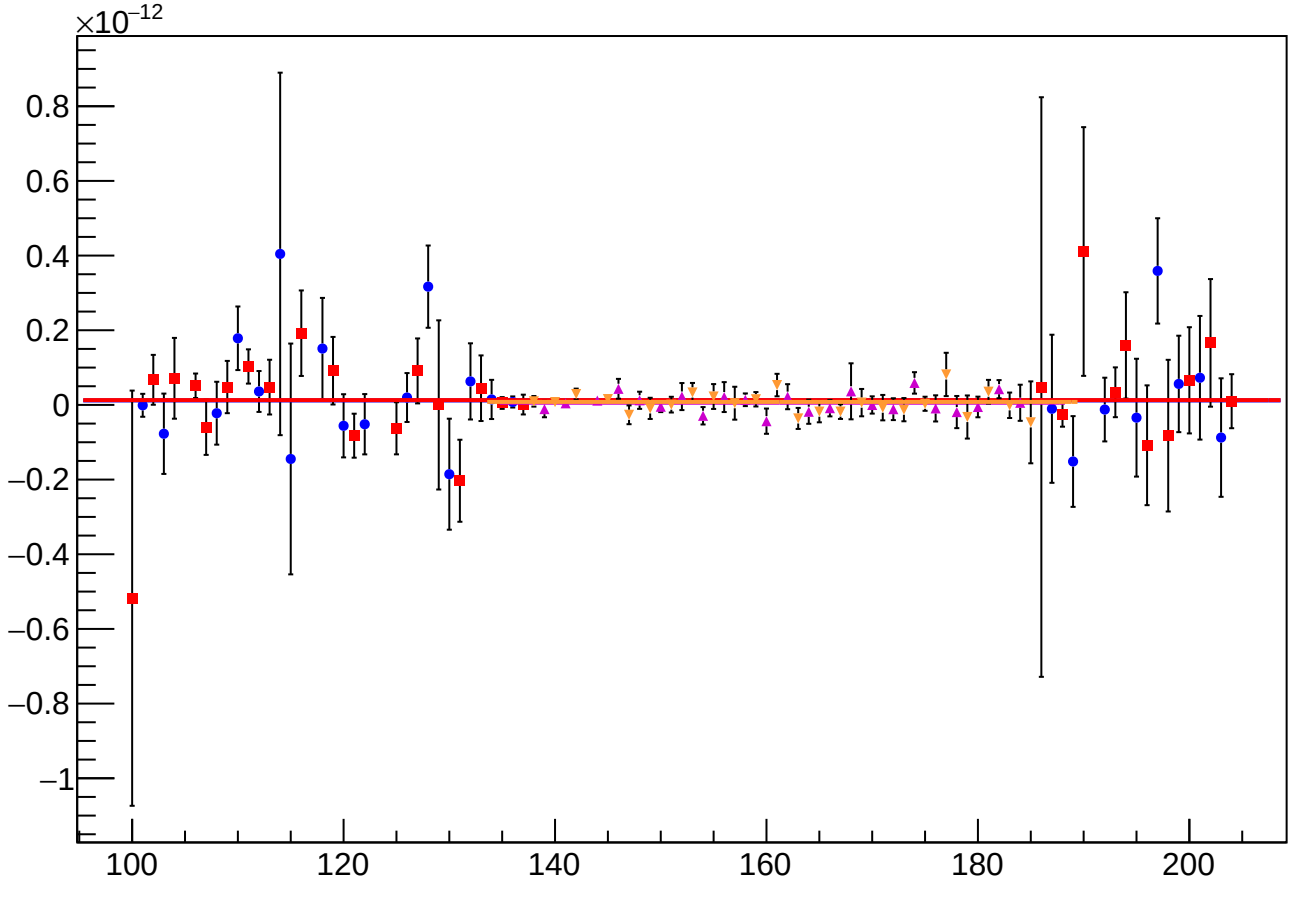
Right Out: 2030.773+/-0.376 χ^2/NDF: 805558.5/27

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1958.577+/-0.248 χ^2/NDF: 1116454.8/47

All: 1964.602+/-0.174 χ^2/NDF: 2083763.9/98

- sign 1970.403+/-0.243 χ^2/NDF: 966149.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

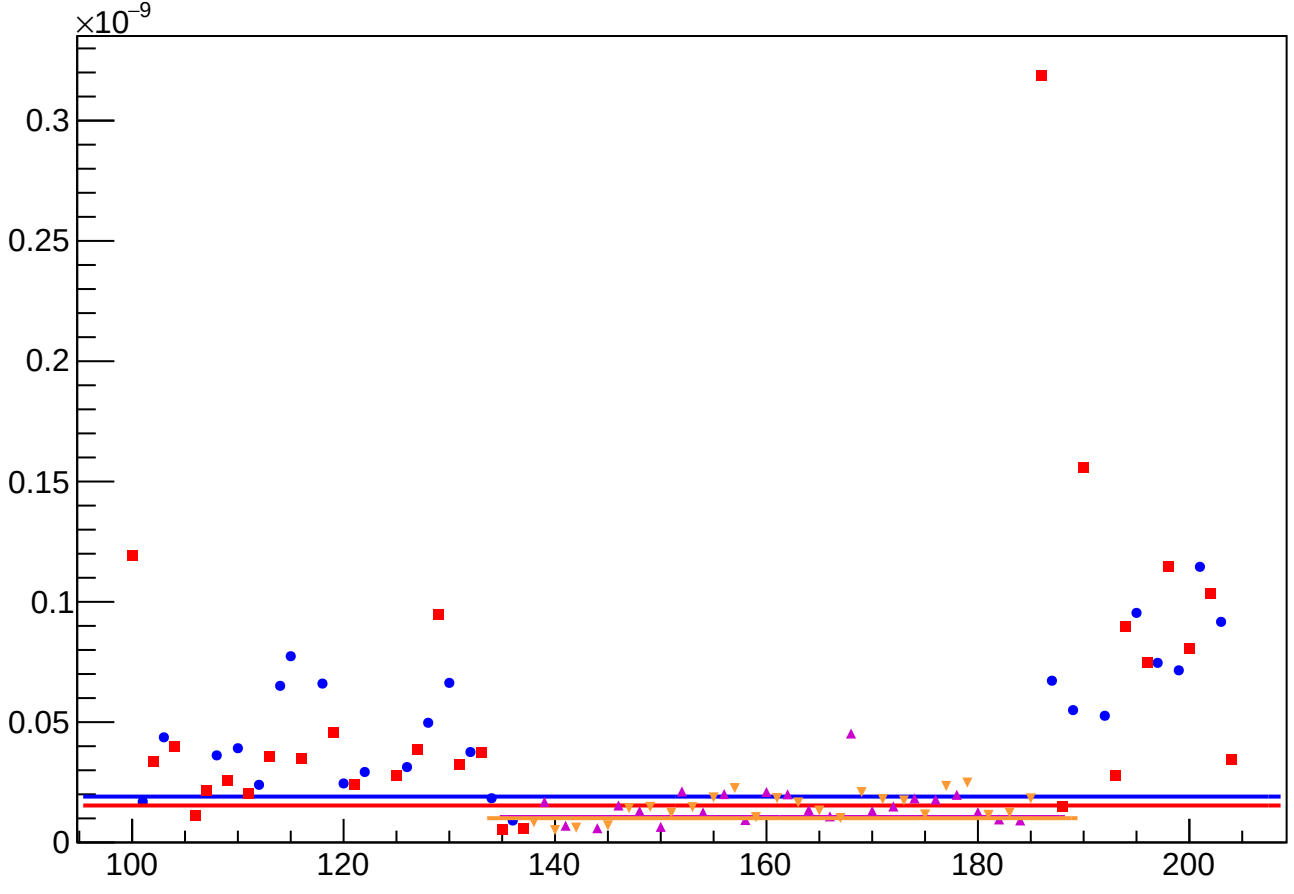
Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/27

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/47

All: 0.000+/-0.000 χ^2/NDF: 88.0/98

- sign 0.000+/-0.000 χ^2/NDF: 43.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 4880215.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5722231.7/27

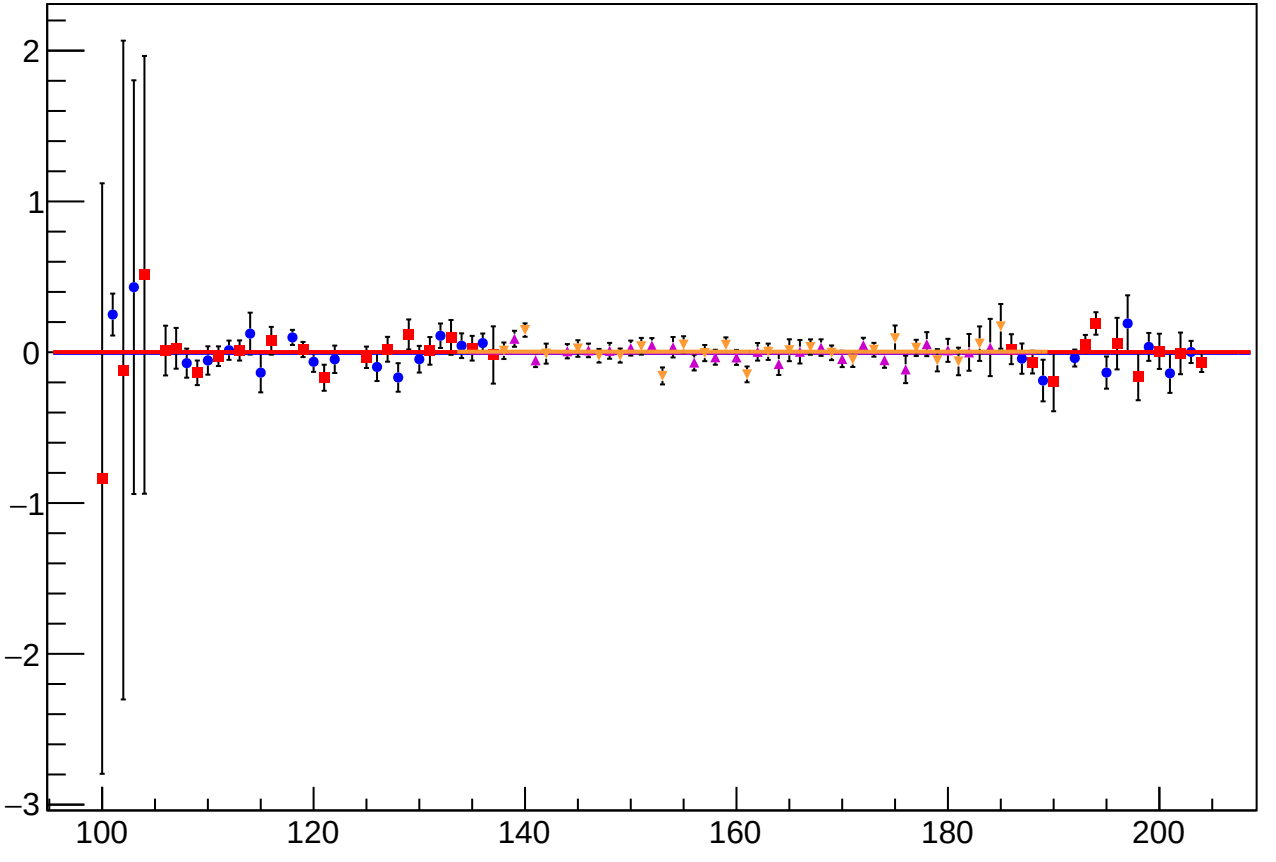
Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8263589.9/47

All: 0.000+/-0.000 χ^2/NDF: 16956215.6/98

- sign 0.000+/-0.000 χ^2/NDF: 8691145.6/50

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.018 χ^2/NDF: 25.1/23

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

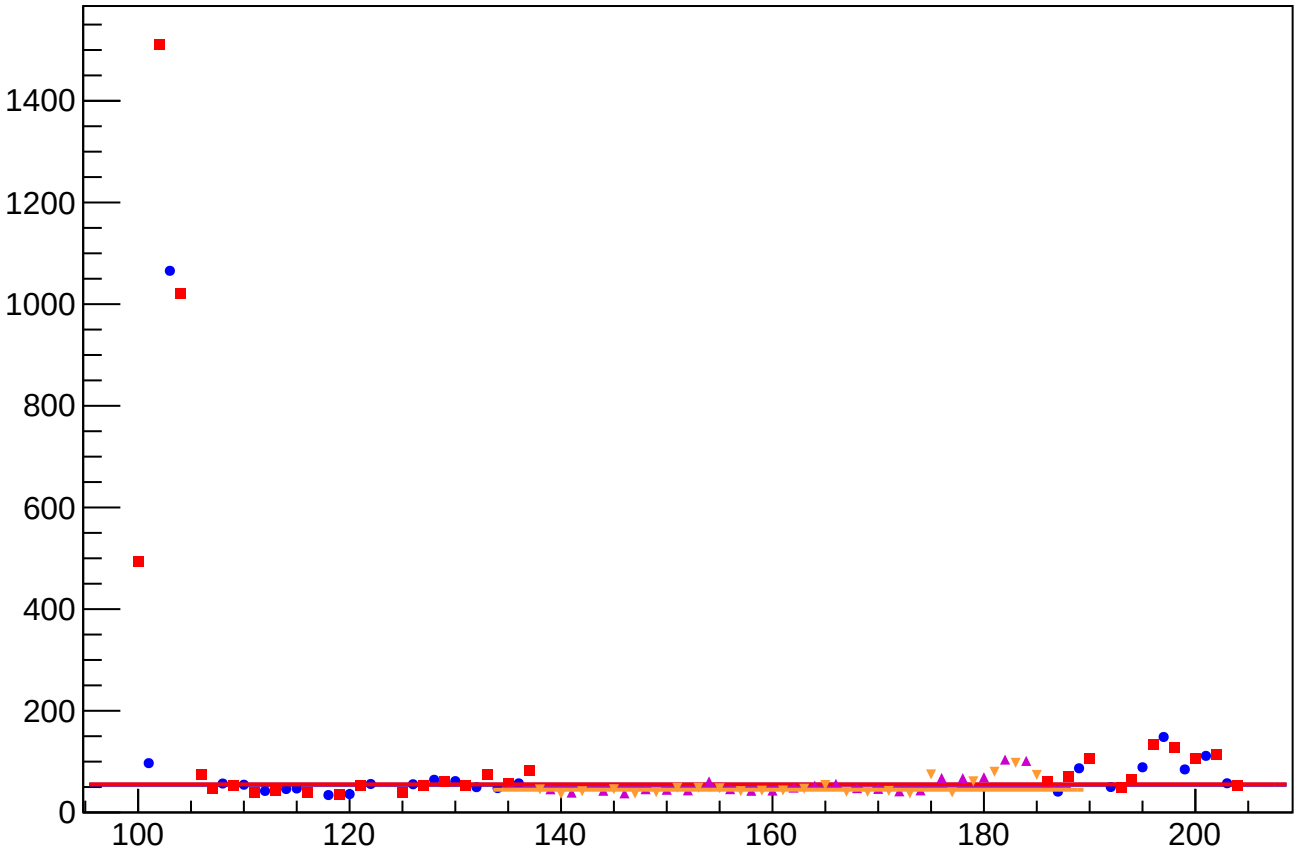
Right Out: 0.001+/-0.017 χ^2/NDF: 21.9/27

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.010 χ^2/NDF: 60.3/47

All: 0.000+/-0.007 χ^2/NDF: 96.7/98

- sign -0.001+/-0.010 χ^2/NDF: 36.4/50



Right In: 54.603+/-0.012 χ^2/NDF: 3371603.7/23

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

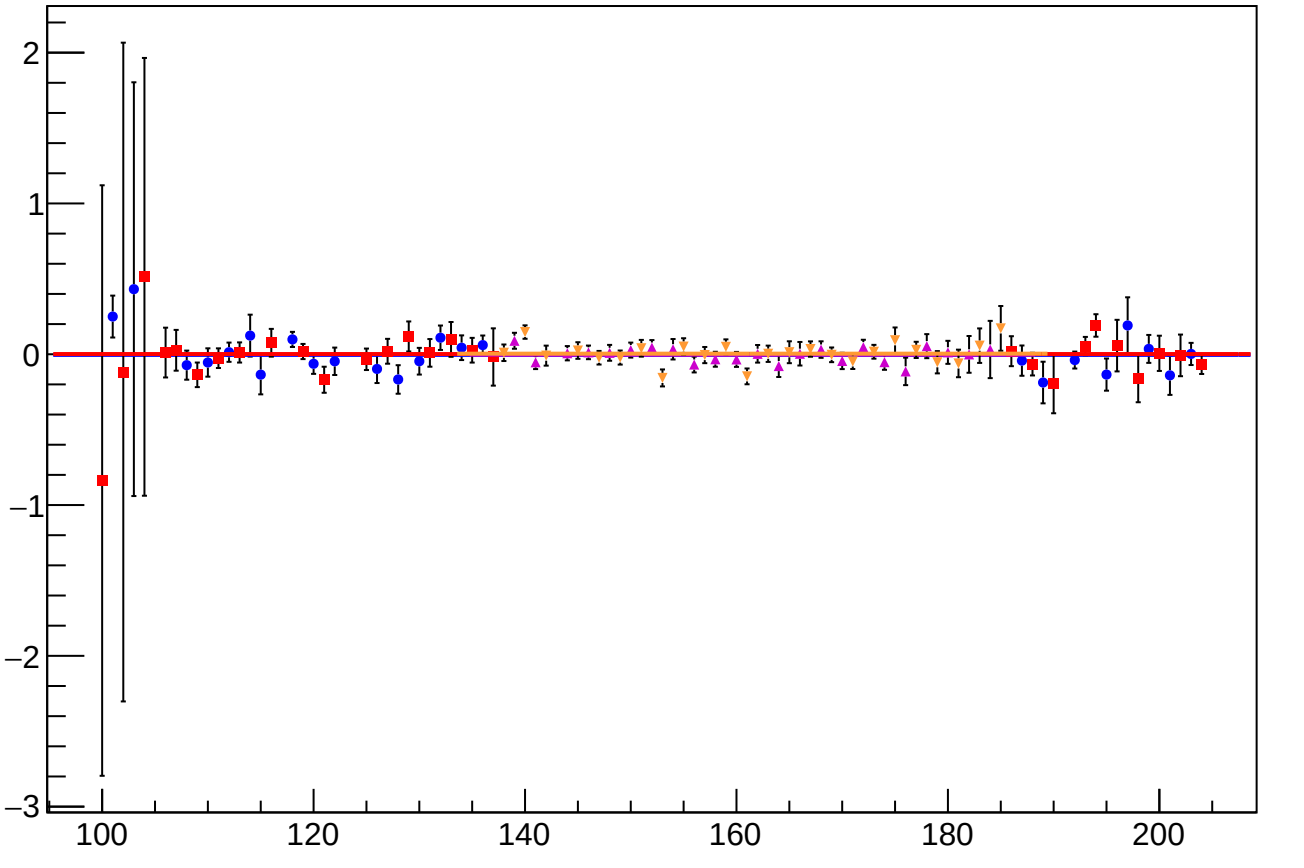
Right Out: 55.243+/-0.012 χ^2/NDF: 4533592.9/27

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 47.686+/-0.007 χ^2/NDF: 5293253.0/47

All: 48.673+/-0.005 χ^2/NDF: 11559777.3/98

- sign 49.699+/-0.007 χ^2/NDF: 6223661.2/50



Right In: -0.004+/-0.018 χ^2/NDF: 25.1/23

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

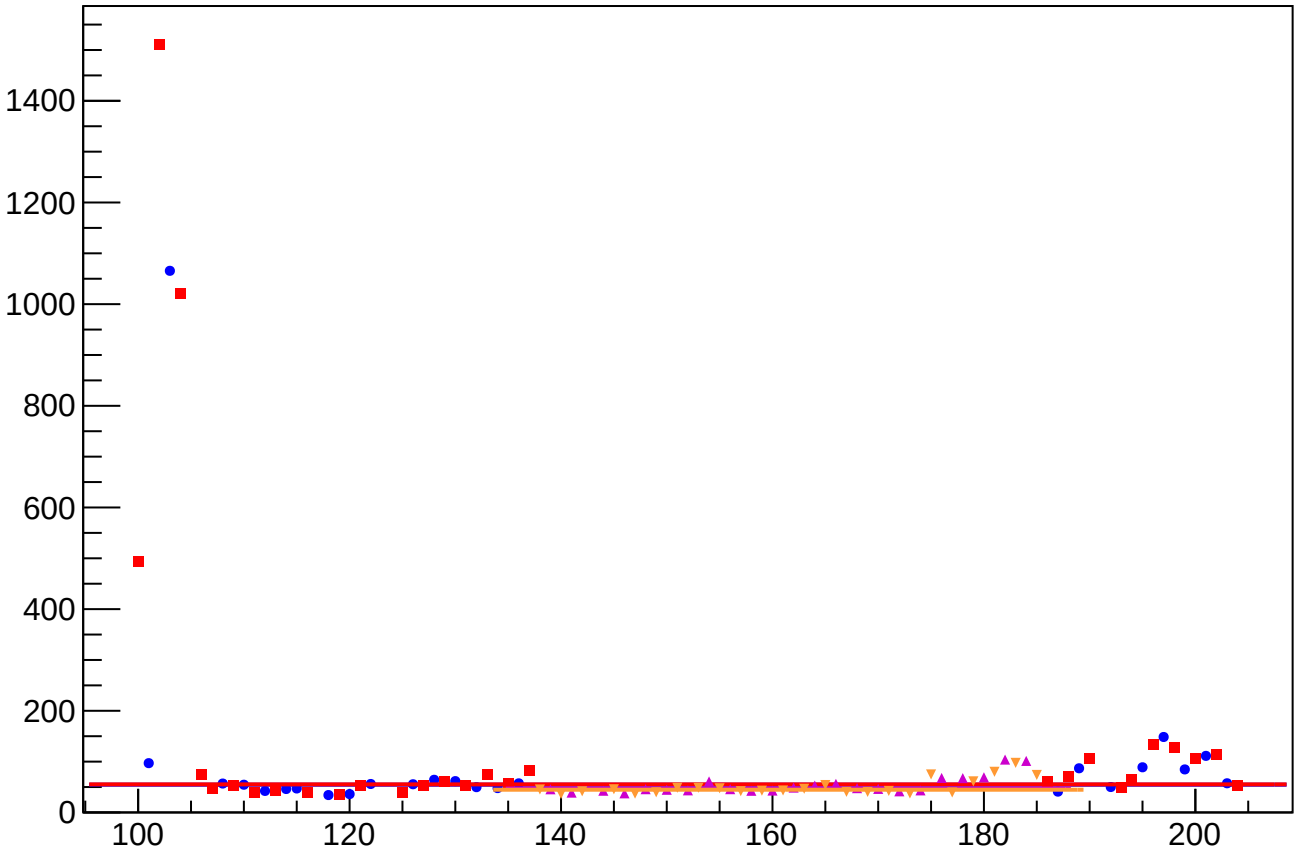
Right Out: 0.001+/-0.017 χ^2/NDF: 21.9/27

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.010 χ^2/NDF: 60.3/47

All: 0.000+/-0.007 χ^2/NDF: 96.7/98

- sign -0.001+/-0.010 χ^2/NDF: 36.4/50



Right In: 54.603+/-0.012 χ^2/NDF: 3371603.7/23

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

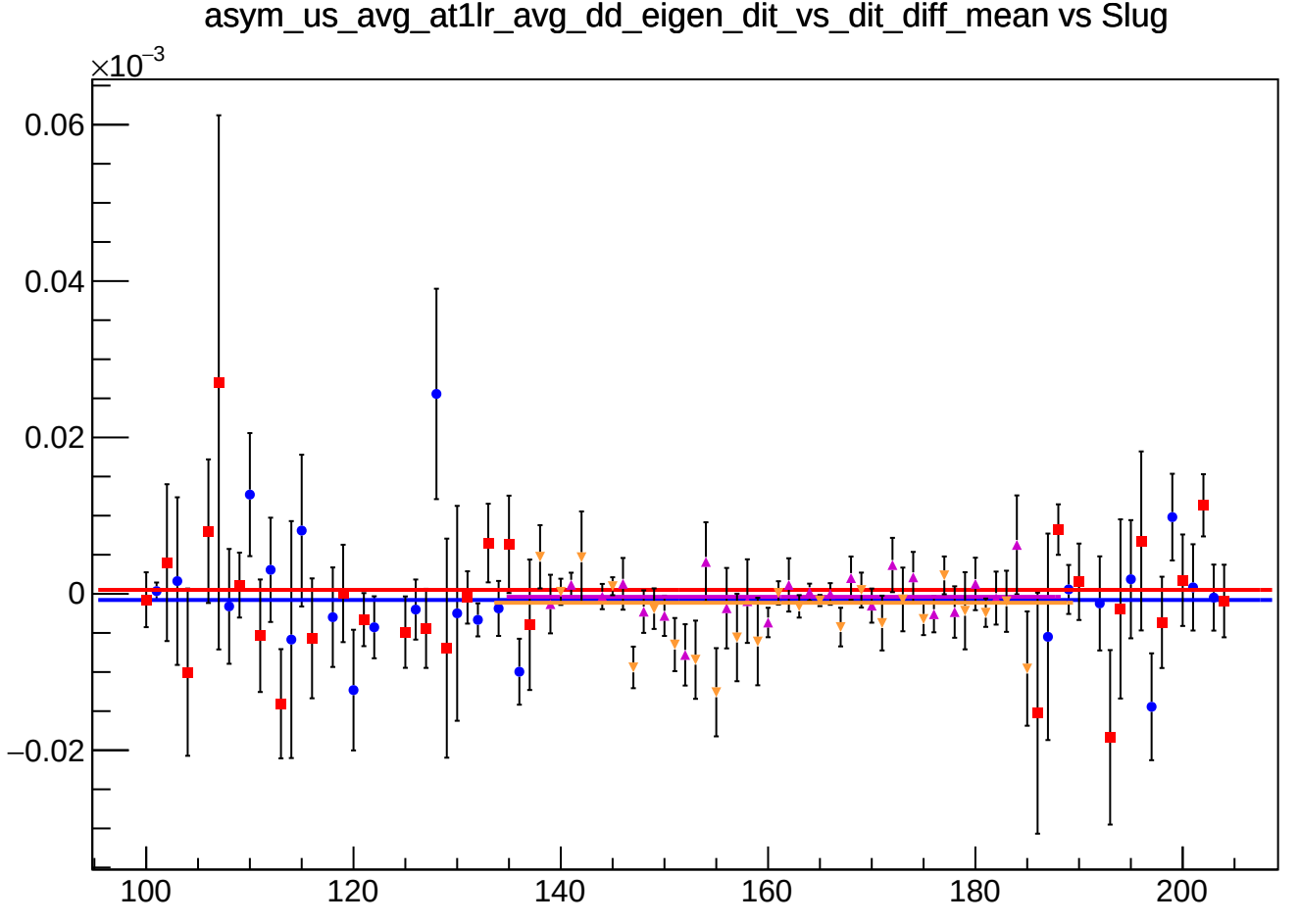
Right Out: 55.243+/-0.012 χ^2/NDF: 4533592.9/27

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 47.686+/-0.007 χ^2/NDF: 5293253.0/47

All: 48.673+/-0.005 χ^2/NDF: 11559777.3/98

- sign 49.699+/-0.007 χ^2/NDF: 6223661.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

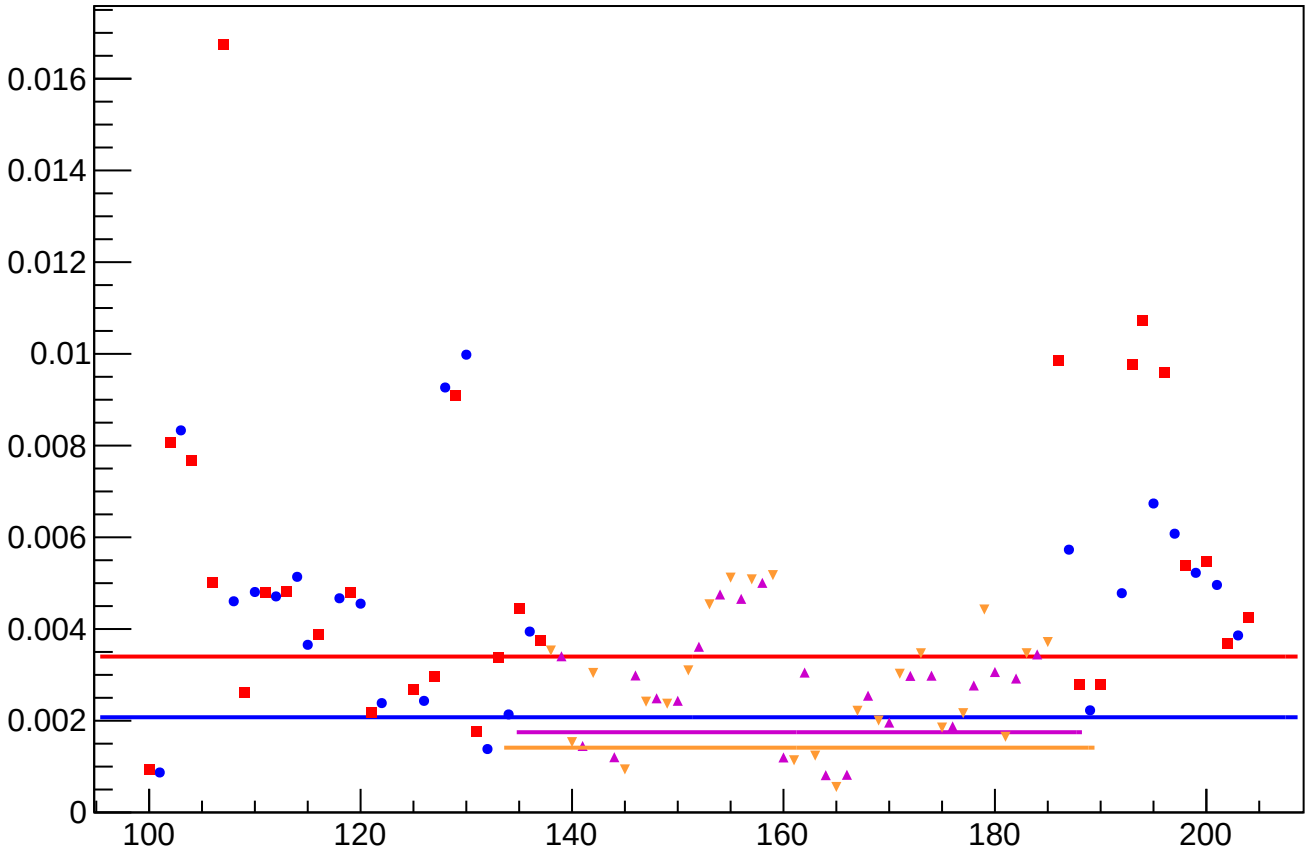
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/27

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.8/47

All: -0.000+/-0.000 χ^2/NDF: 114.6/98

- sign -0.000+/-0.000 χ^2/NDF: 49.7/50



Right In: 0.002+/-0.000 χ^2/NDF: 9975449.0/23

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 6690935.6/27

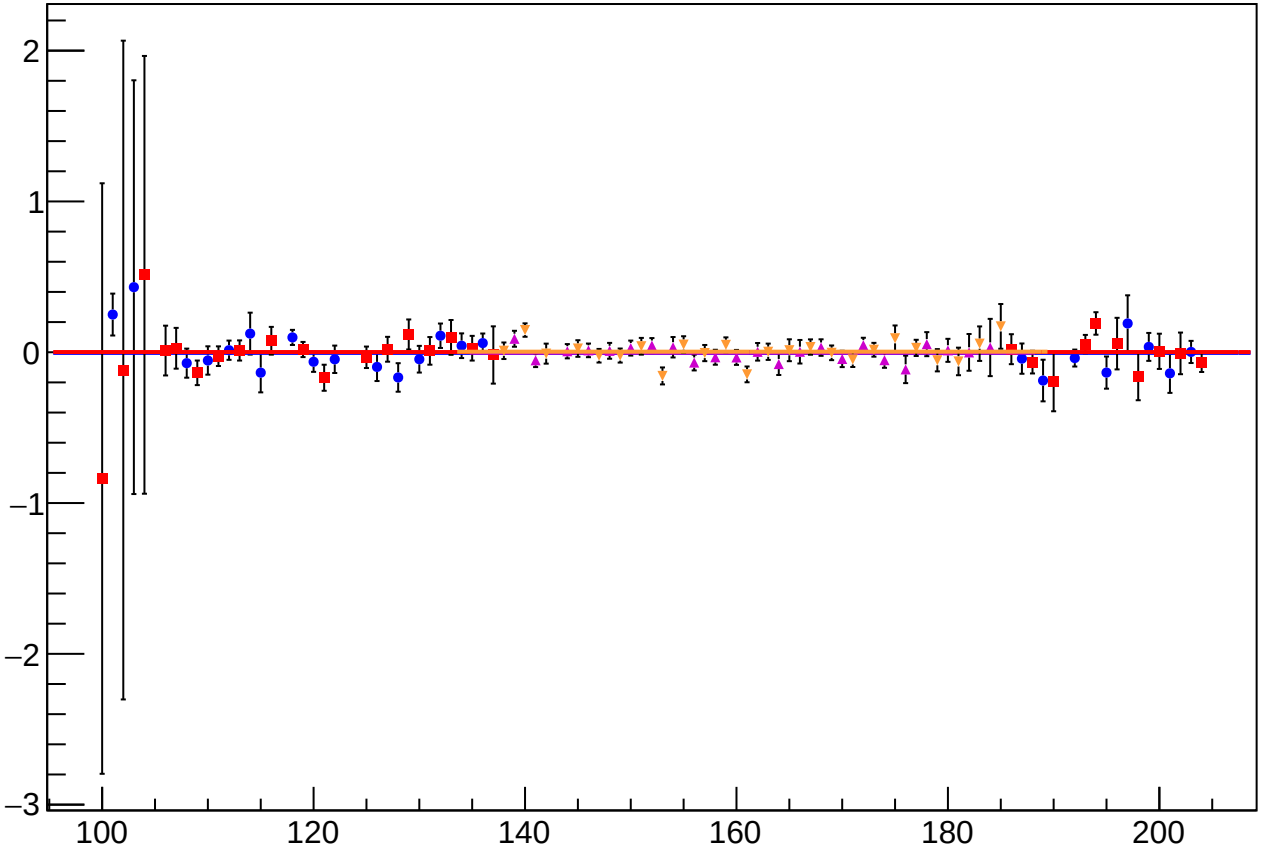
Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 22751839.2/47

All: 0.002+/-0.000 χ^2/NDF: 43302310.6/98

- sign 0.002+/-0.000 χ^2/NDF: 19083016.5/50

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.018 χ^2/NDF: 25.1/23

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

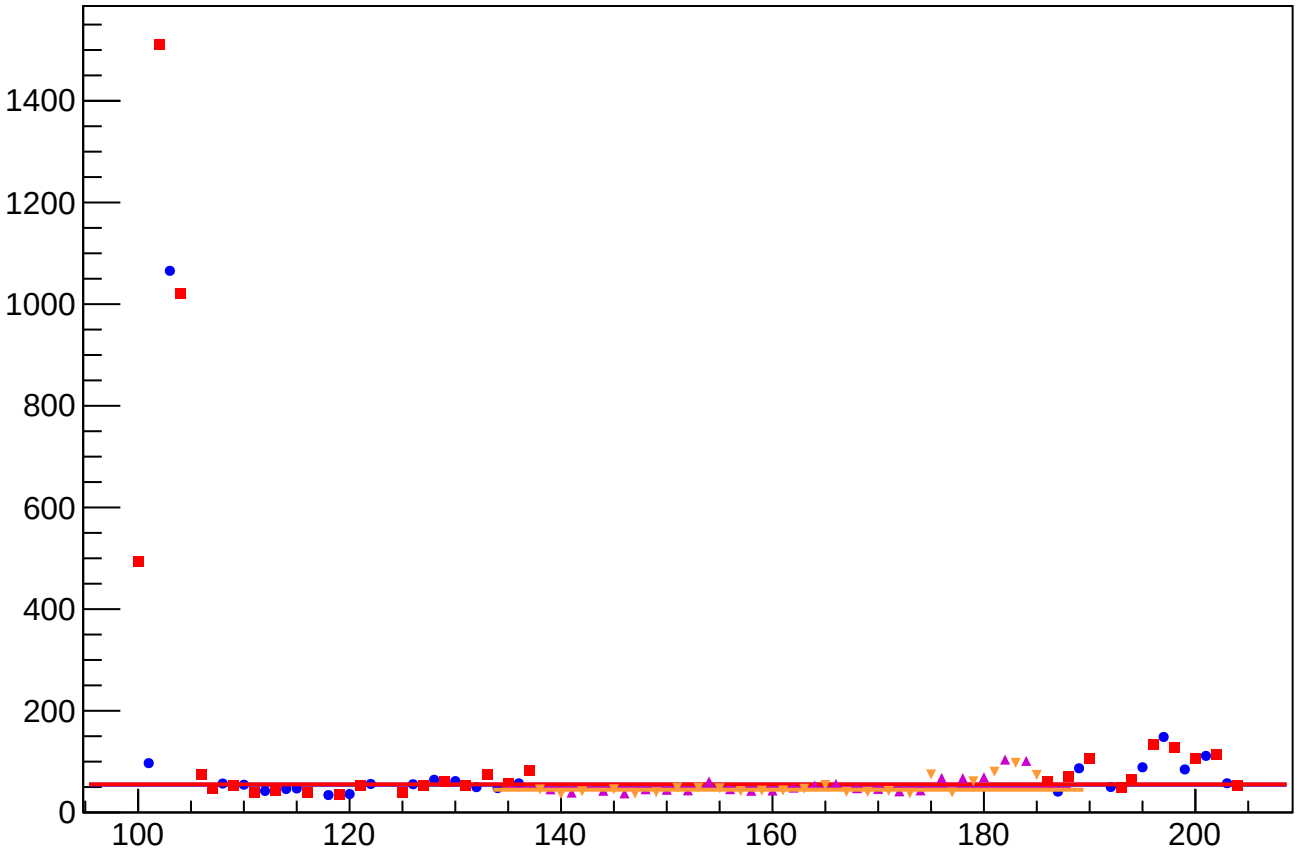
Right Out: 0.001+/-0.017 χ^2/NDF: 21.9/27

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.010 χ^2/NDF: 60.3/47

All: 0.000+/-0.007 χ^2/NDF: 96.7/98

- sign -0.001+/-0.010 χ^2/NDF: 36.4/50



Right In: 54.602+/-0.012 χ^2/NDF: 3371577.0/23

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.242+/-0.012 χ^2/NDF: 4533727.7/27

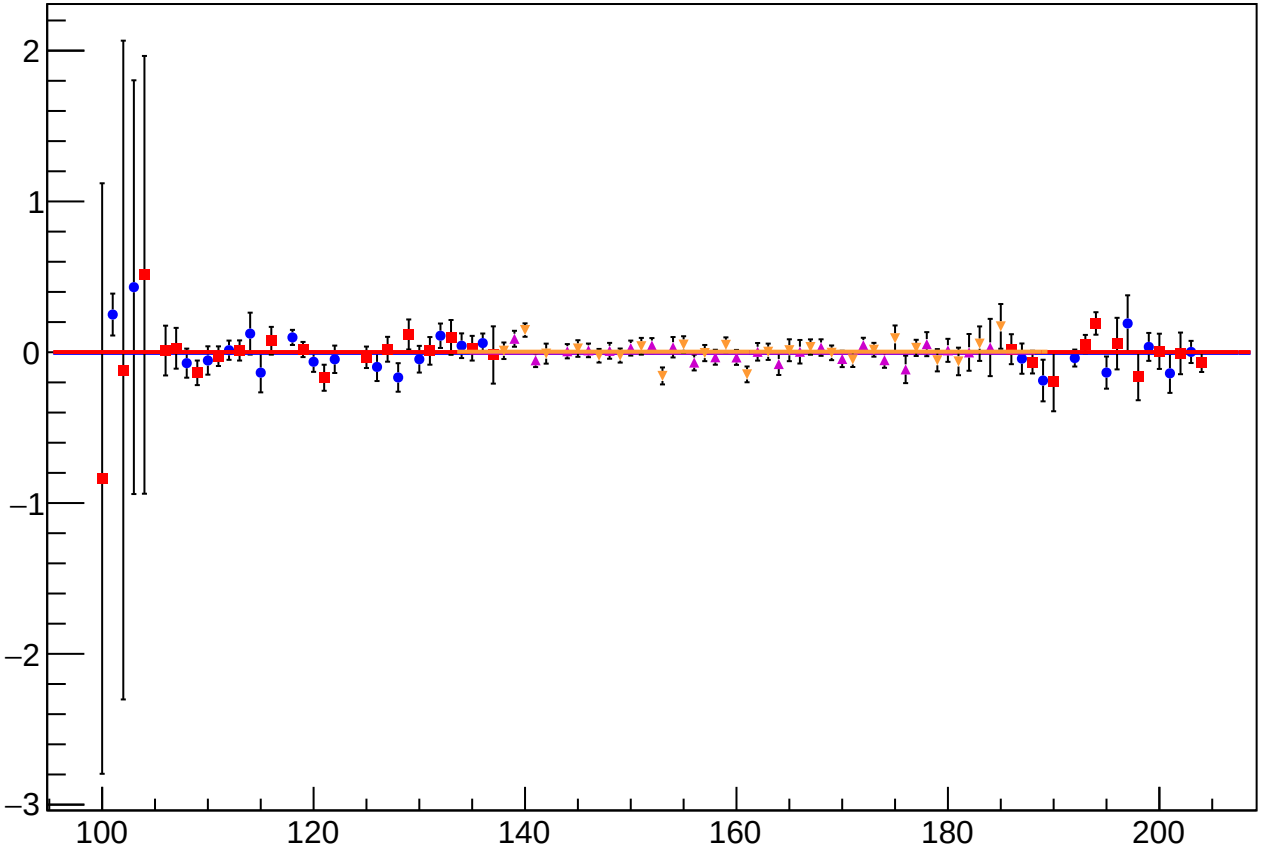
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 47.686+/-0.007 χ^2/NDF: 5293179.2/47

All: 48.673+/-0.005 χ^2/NDF: 11559836.8/98

- sign 49.698+/-0.007 χ^2/NDF: 6223815.0/50

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.018 χ^2/NDF: 25.1/23

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

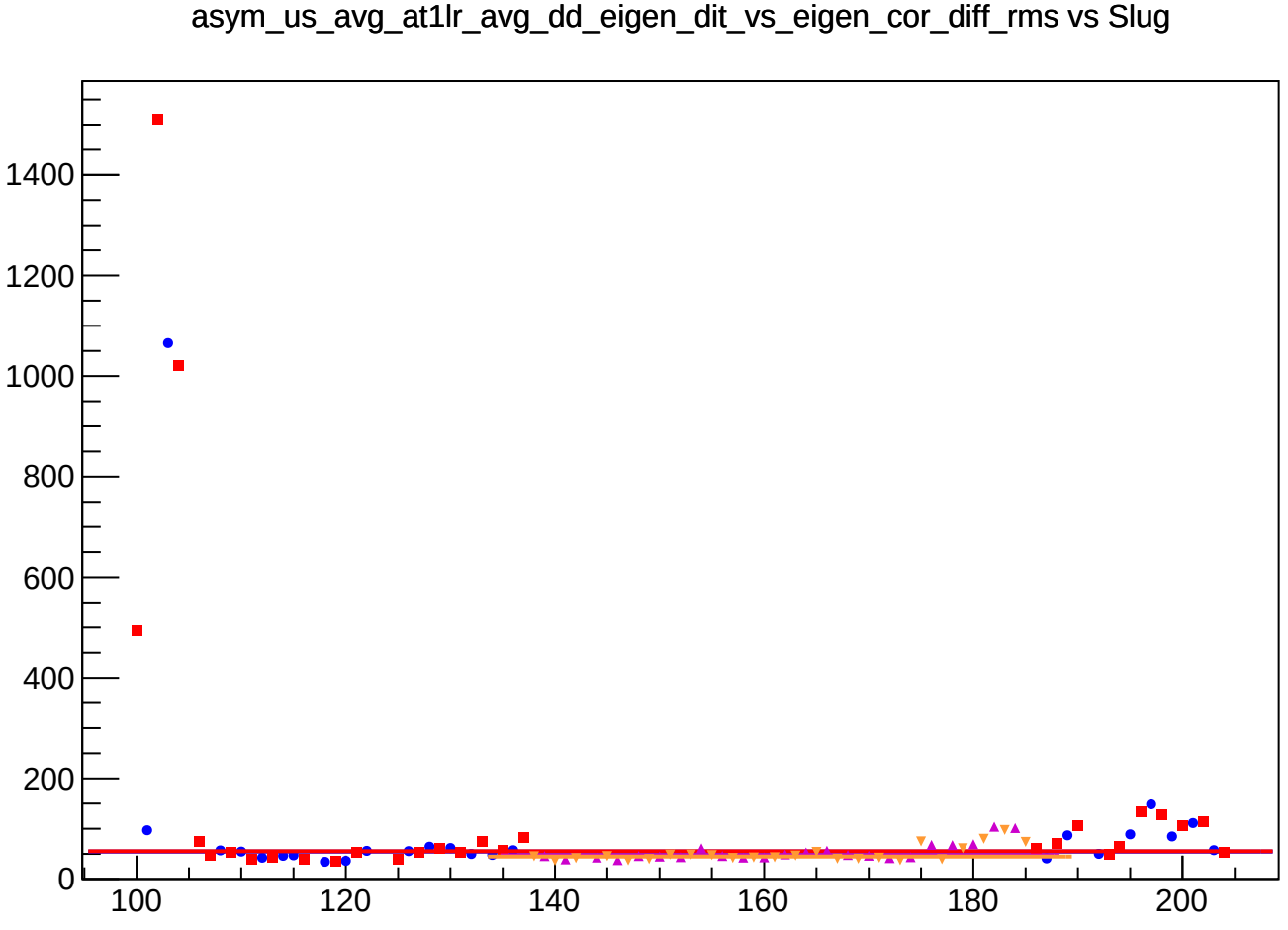
Right Out: 0.001+/-0.017 χ^2/NDF: 21.9/27

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.010 χ^2/NDF: 60.3/47

All: 0.000+/-0.007 χ^2/NDF: 96.7/98

- sign -0.001+/-0.010 χ^2/NDF: 36.4/50



Right In: 54.602+/-0.012 χ^2/NDF: 3371577.0/23

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

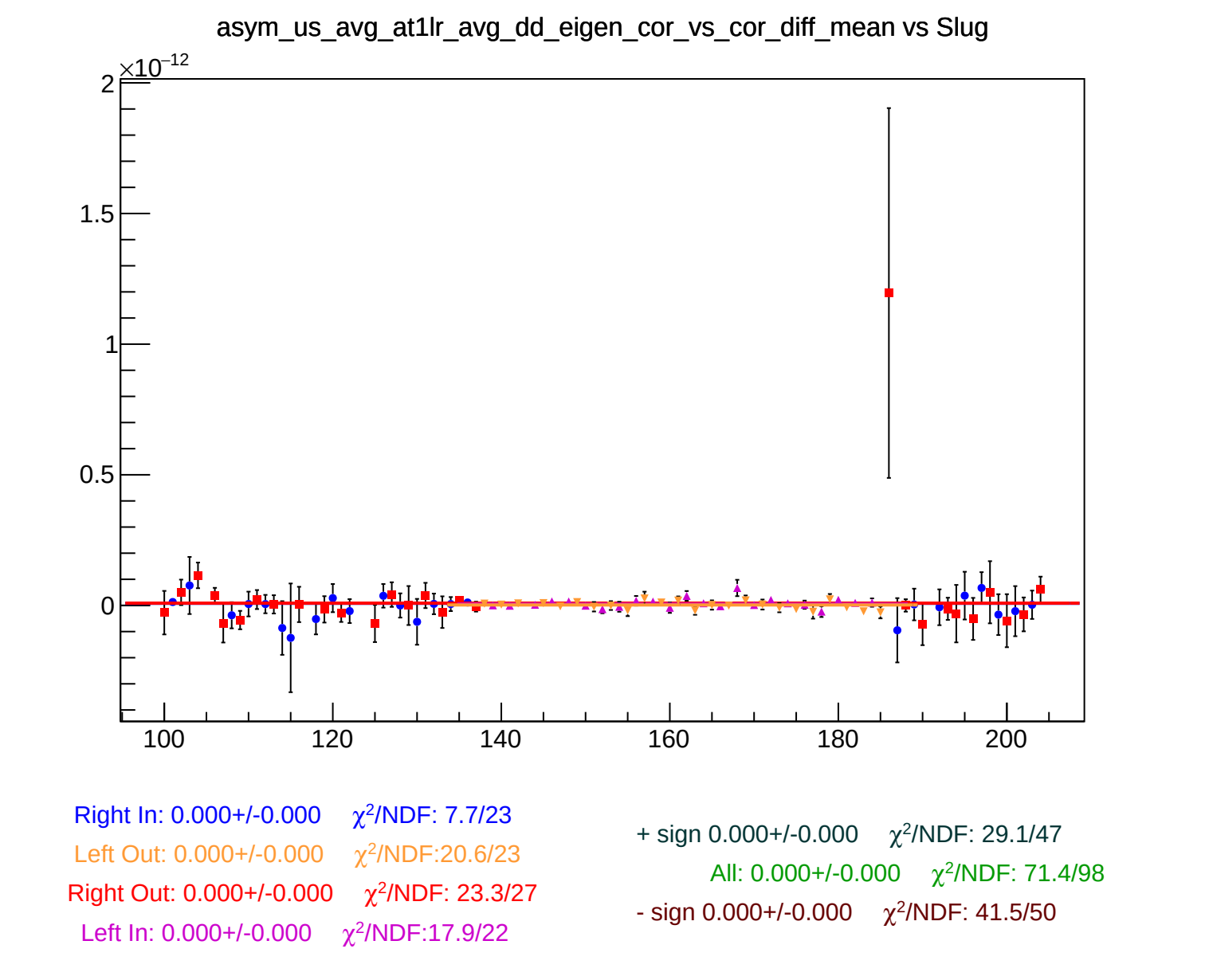
Right Out: 55.242+/-0.012 χ^2/NDF: 4533727.7/27

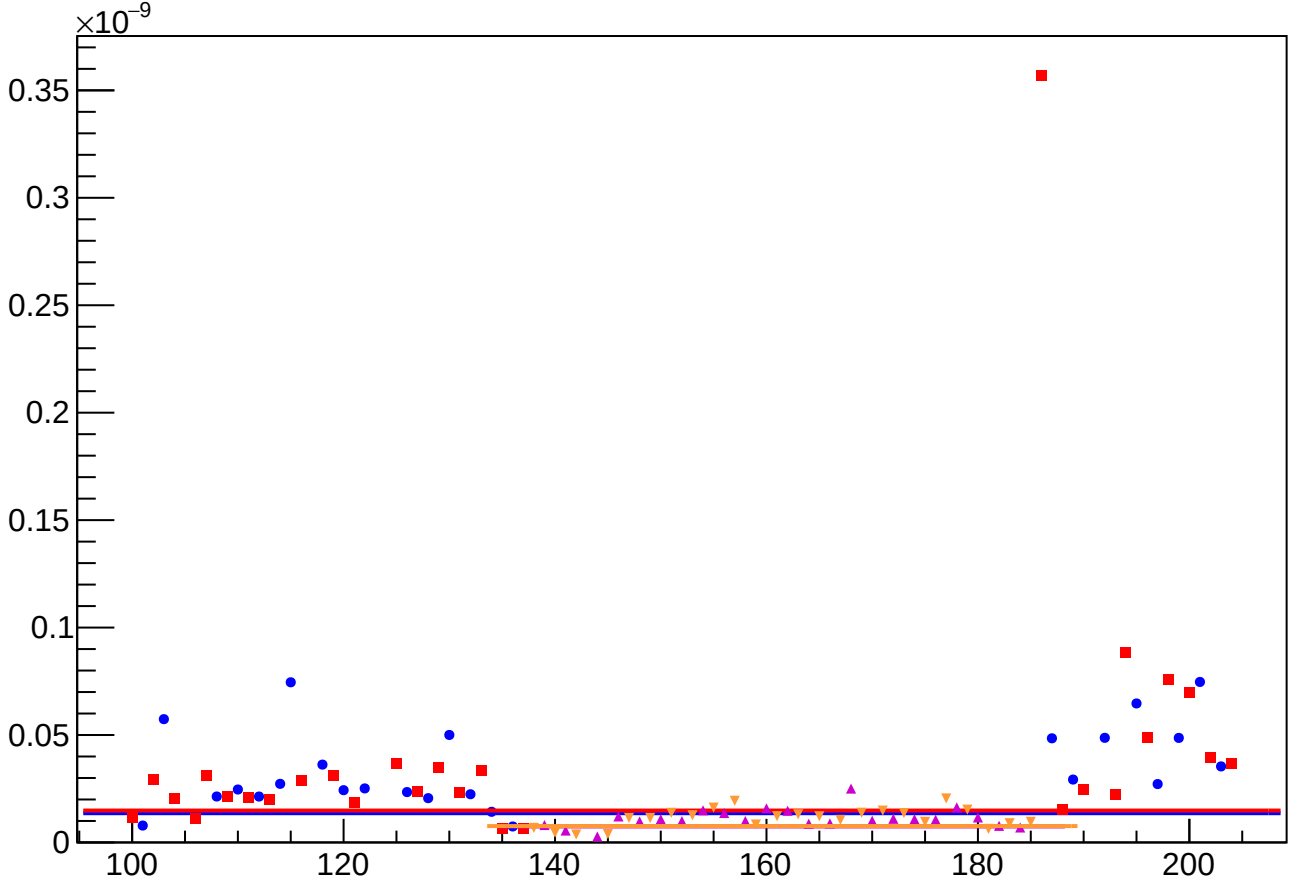
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 47.686+/-0.007 χ^2/NDF: 5293179.2/47

All: 48.673+/-0.005 χ^2/NDF: 11559836.8/98

- sign 49.698+/-0.007 χ^2/NDF: 6223815.0/50


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1.5
1
0.5
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7.7/23
Left Out: 0.000+/-0.000 χ²/NDF:20.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 23.3/27
Left In: 0.000+/-0.000 χ²/NDF:17.9/22
+ sign 0.000+/-0.000 χ²/NDF: 29.1/47
All: 0.000+/-0.000 χ²/NDF: 71.4/98
- sign 0.000+/-0.000 χ²/NDF: 41.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 6154975.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6715966.9/27

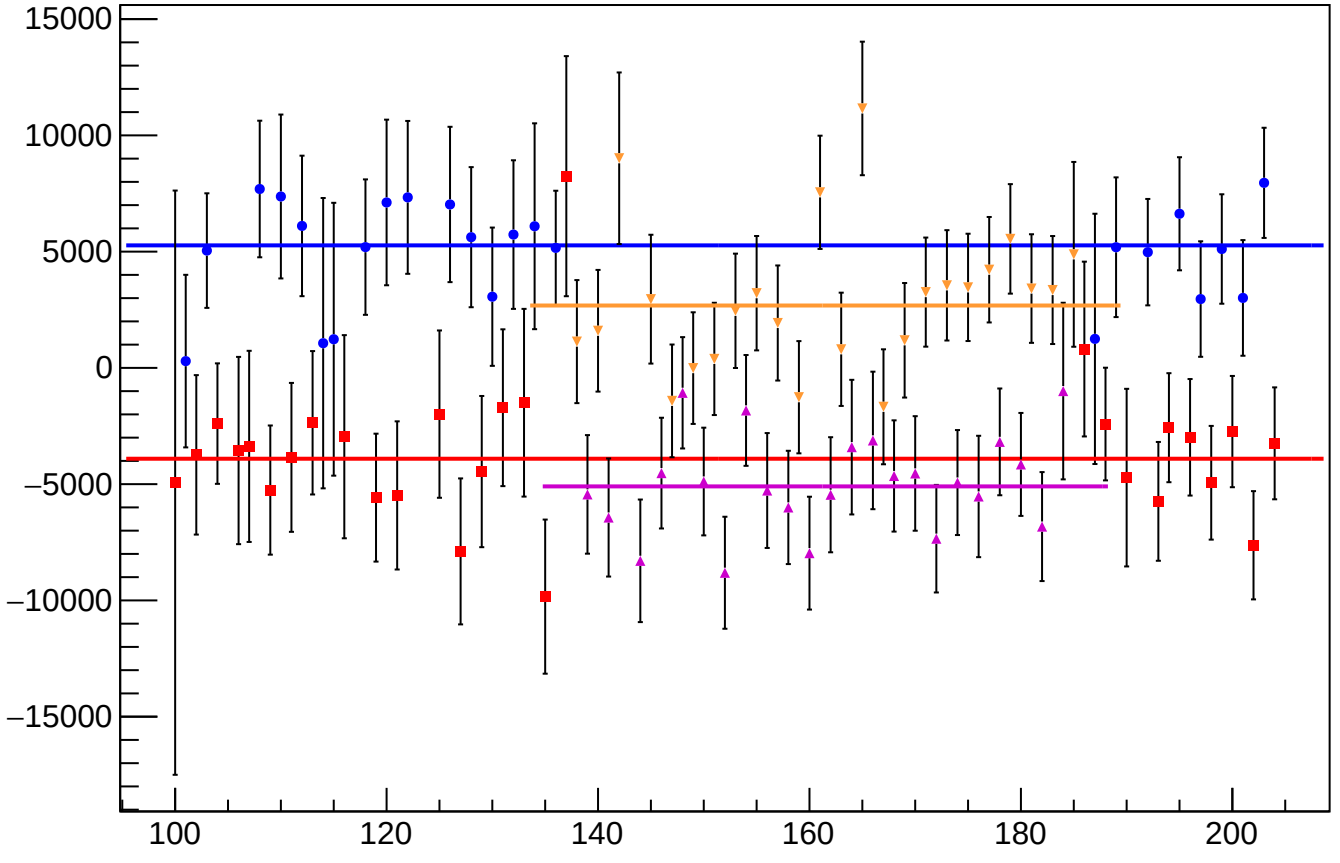
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 13240705.2/47

All: 0.000+/-0.000 χ^2/NDF: 28127981.8/98

- sign 0.000+/-0.000 χ^2/NDF: 14886909.7/50

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5269.183+/-608.278 χ^2/NDF: 9.3/23

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3906.695+/-574.395 χ^2/NDF: 19.0/27

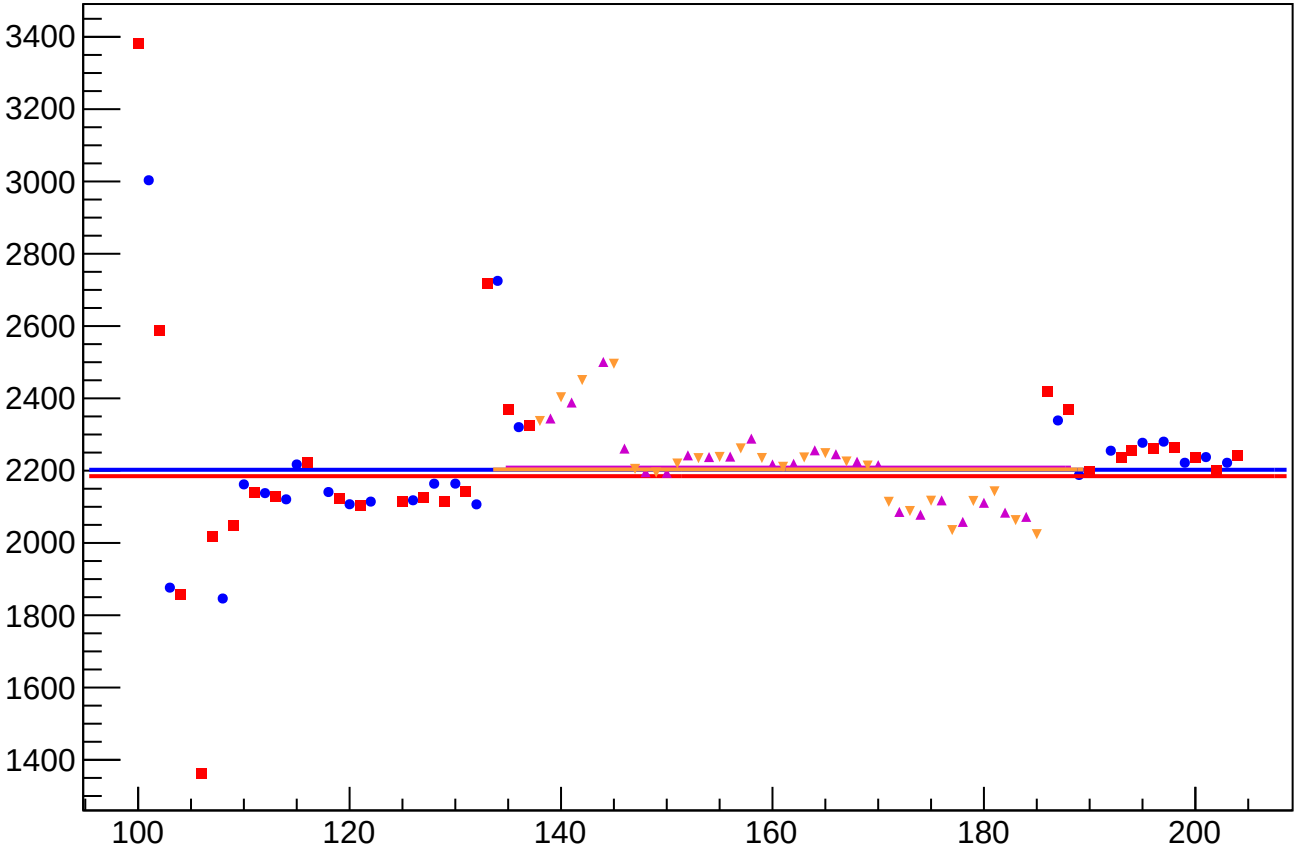
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3755.434+/-391.718 χ^2/NDF: 50.7/47

All: -487.984+/-274.200 χ^2/NDF: 317.1/98

- sign -4564.829+/-383.953 χ^2/NDF: 36.3/50

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2202.434+/-0.430 χ^2/NDF: 206015.9/23

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

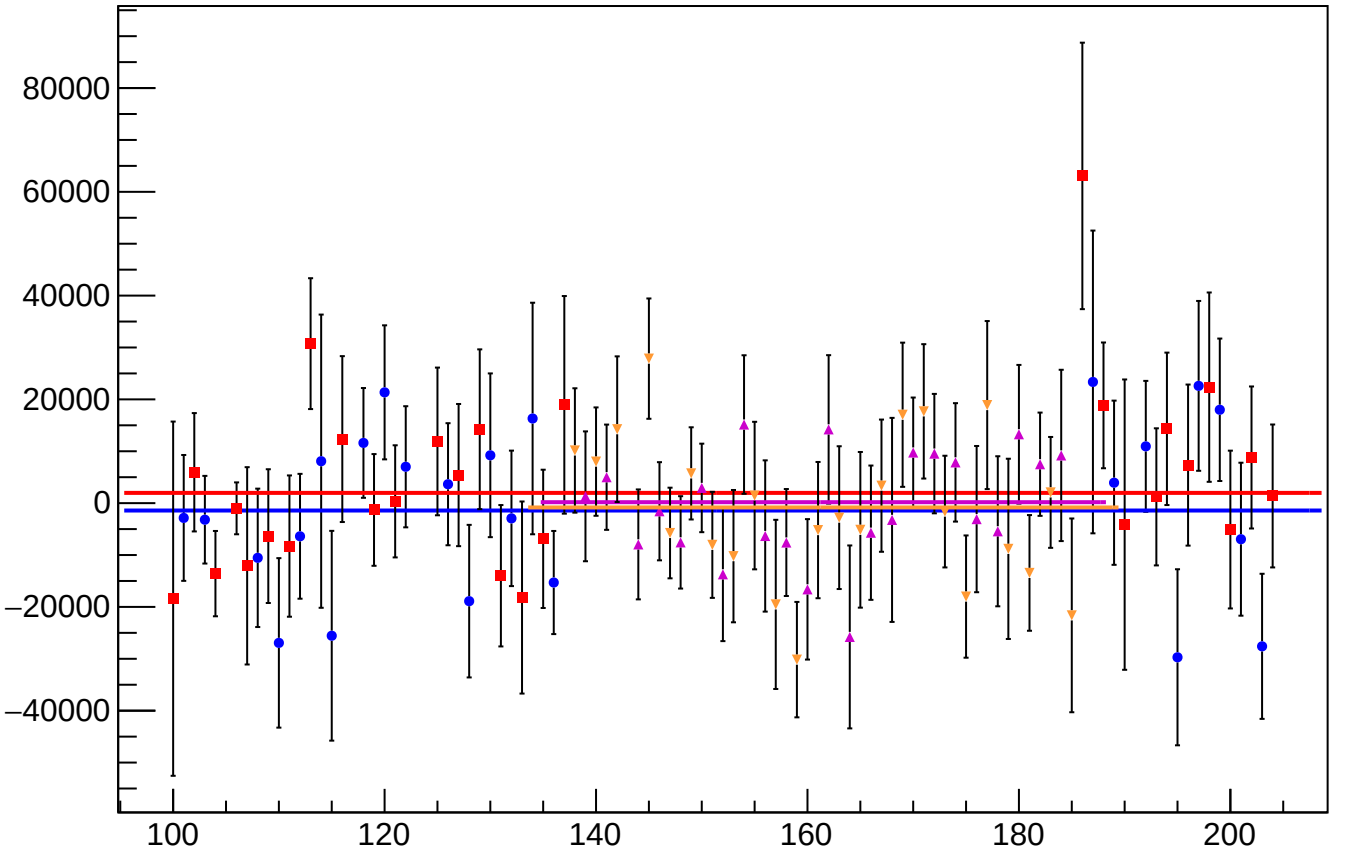
Right Out: 2184.774+/-0.403 χ^2/NDF: 312982.3/27

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2202.939+/-0.277 χ^2/NDF: 294226.6/47

All: 2200.276+/-0.194 χ^2/NDF: 690269.1/98

- sign 2197.737+/-0.271 χ^2/NDF: 395862.0/50



Right In: -1421.752+/-2767.087 χ^2/NDF: 26.8/23

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

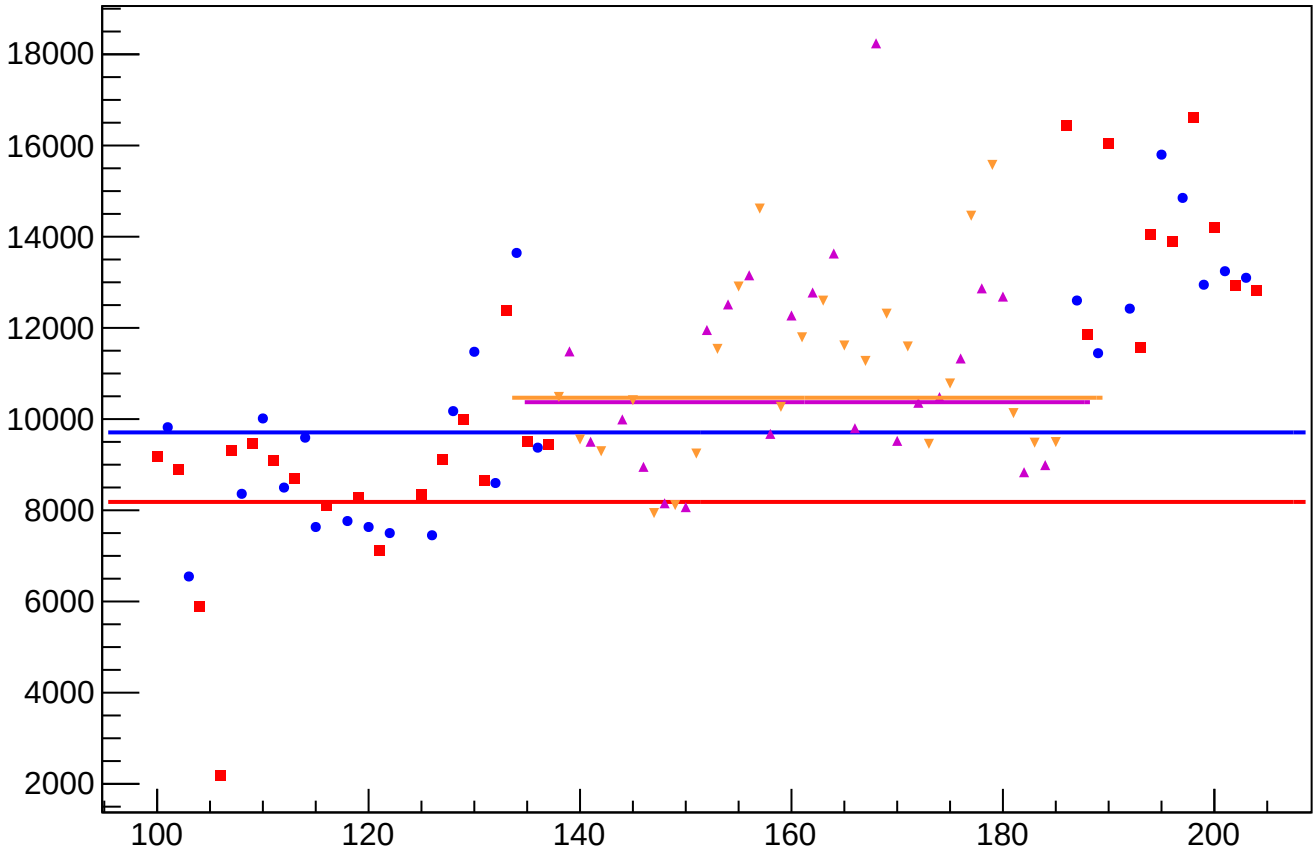
Right Out: 1976.285+/-2372.497 χ^2/NDF: 26.7/27

Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

+ sign -1095.701+/-1847.416 χ^2/NDF: 56.3/47

All: 94.474+/-1255.495 χ^2/NDF: 97.8/98

- sign 1115.903+/-1711.447 χ^2/NDF: 40.7/50



Right In: 9708.080+/-1.957 χ^2/NDF: 1648227.0/23

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8183.301+/-1.678 χ^2/NDF: 5751839.2/27

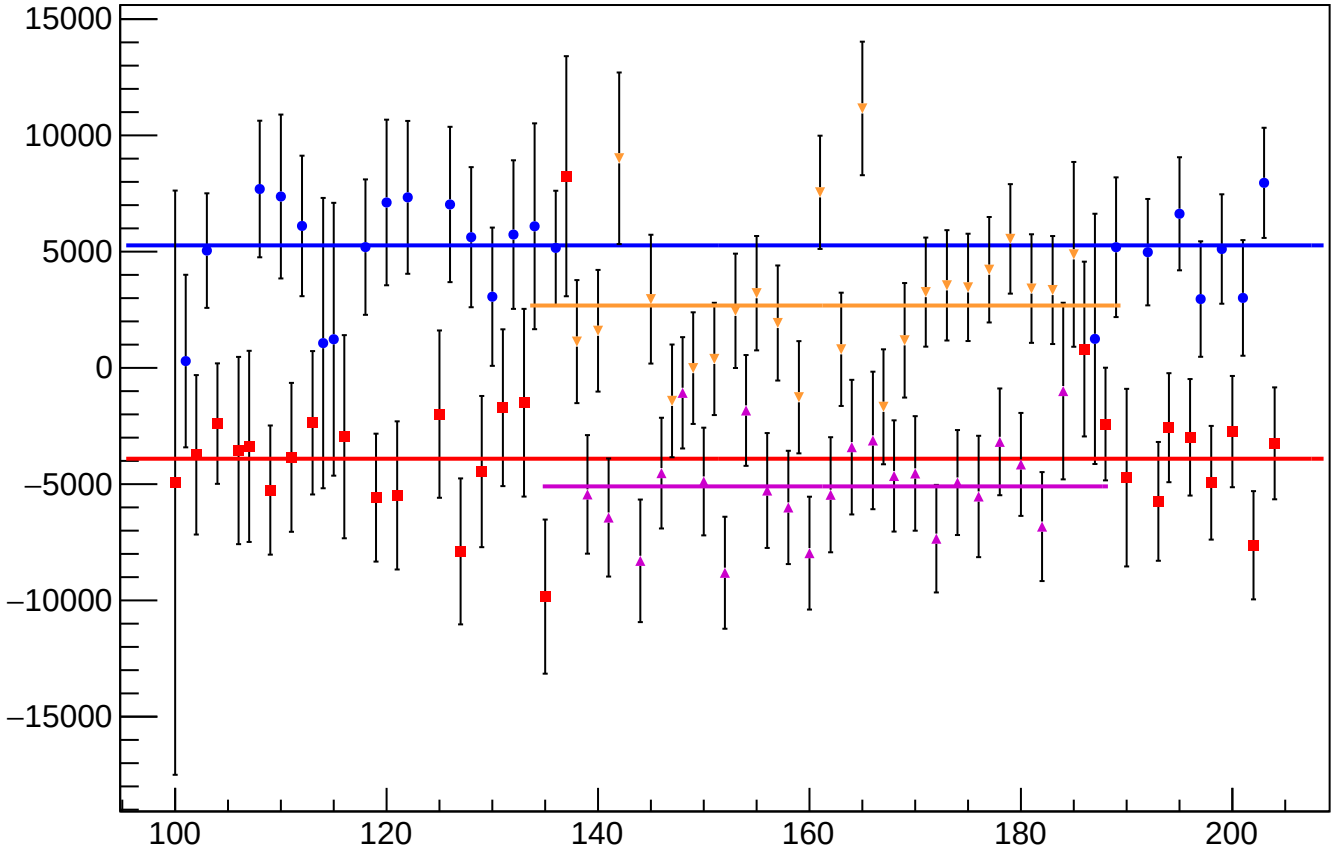
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 10129.647+/-1.306 χ^2/NDF: 2777238.1/47

All: 9646.863+/-0.888 χ^2/NDF: 10802200.6/9

- sign 9232.529+/-1.210 χ^2/NDF: 7771155.6/50

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5269.307+/-608.278 χ^2/NDF: 9.3/23

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3906.547+/-574.395 χ^2/NDF: 19.0/27

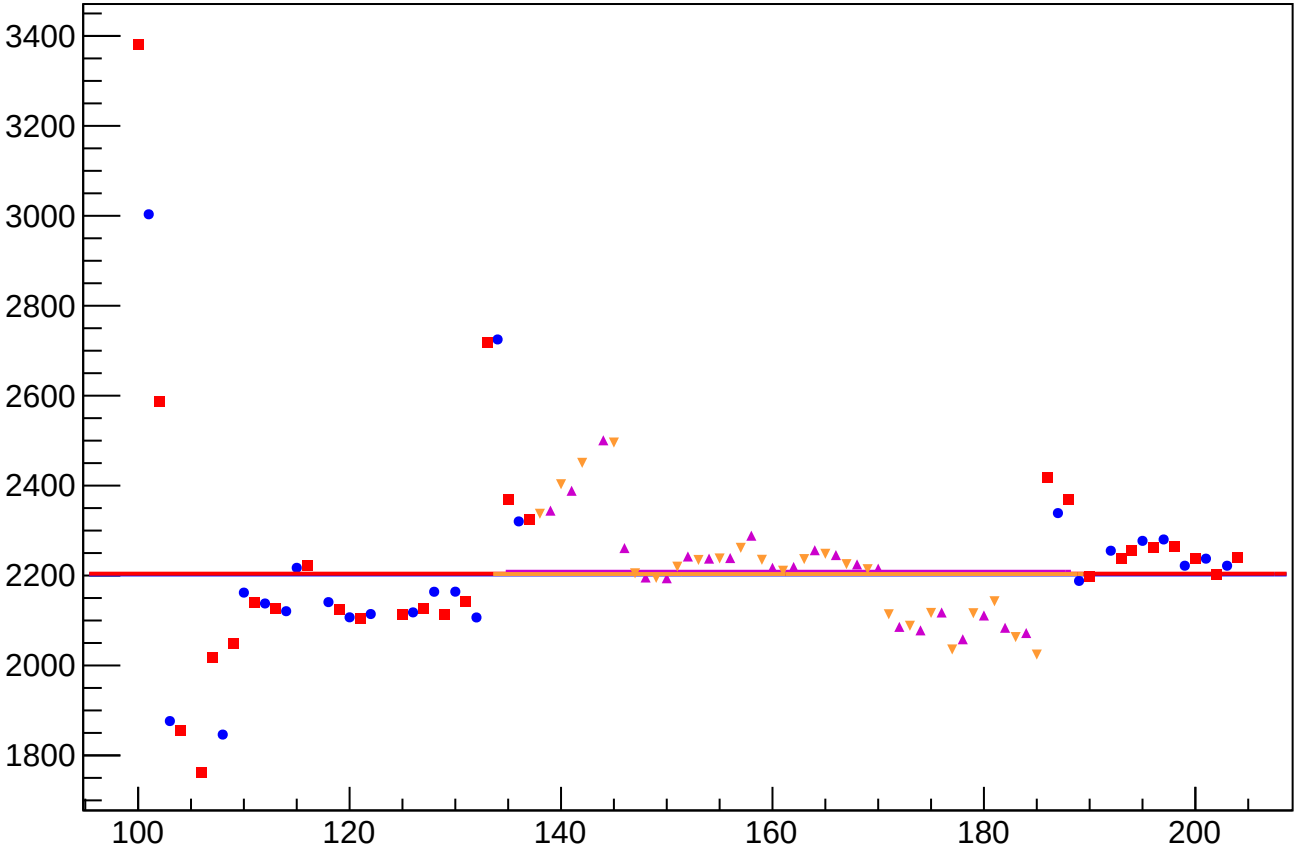
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3755.439+/-391.718 χ^2/NDF: 50.7/47

All: -487.922+/-274.200 χ^2/NDF: 317.1/98

- sign -4564.712+/-383.953 χ^2/NDF: 36.3/50

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2202.434+/-0.430 χ^2/NDF: 206016.3/23

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

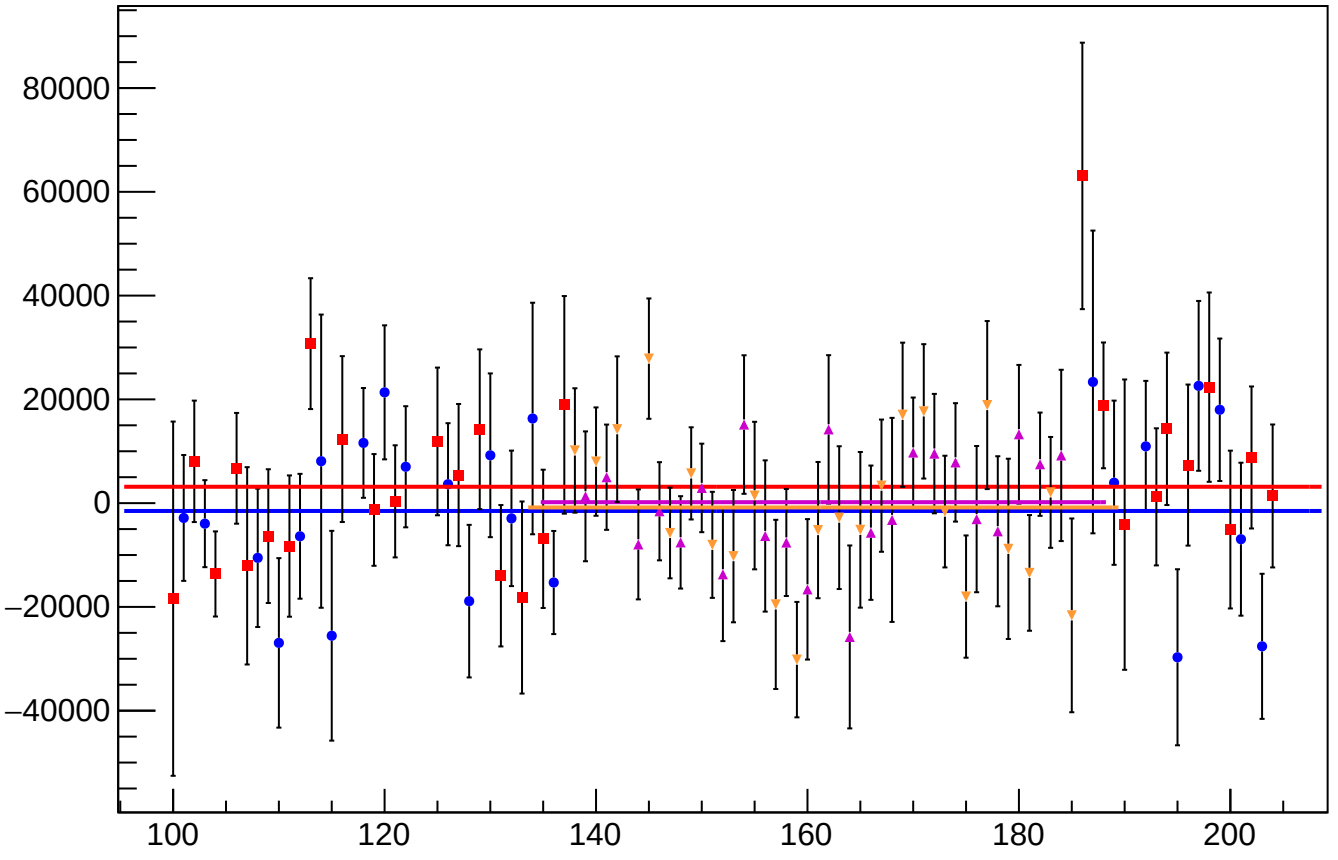
Right Out: 2204.117+/-0.405 χ^2/NDF: 188001.2/27

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2202.939+/-0.277 χ^2/NDF: 294227.0/47

All: 2204.741+/-0.194 χ^2/NDF: 563366.5/98

- sign 2206.469+/-0.271 χ^2/NDF: 269056.6/50



Right In: -1507.720+/-2764.804 χ^2/NDF: 26.9/23

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

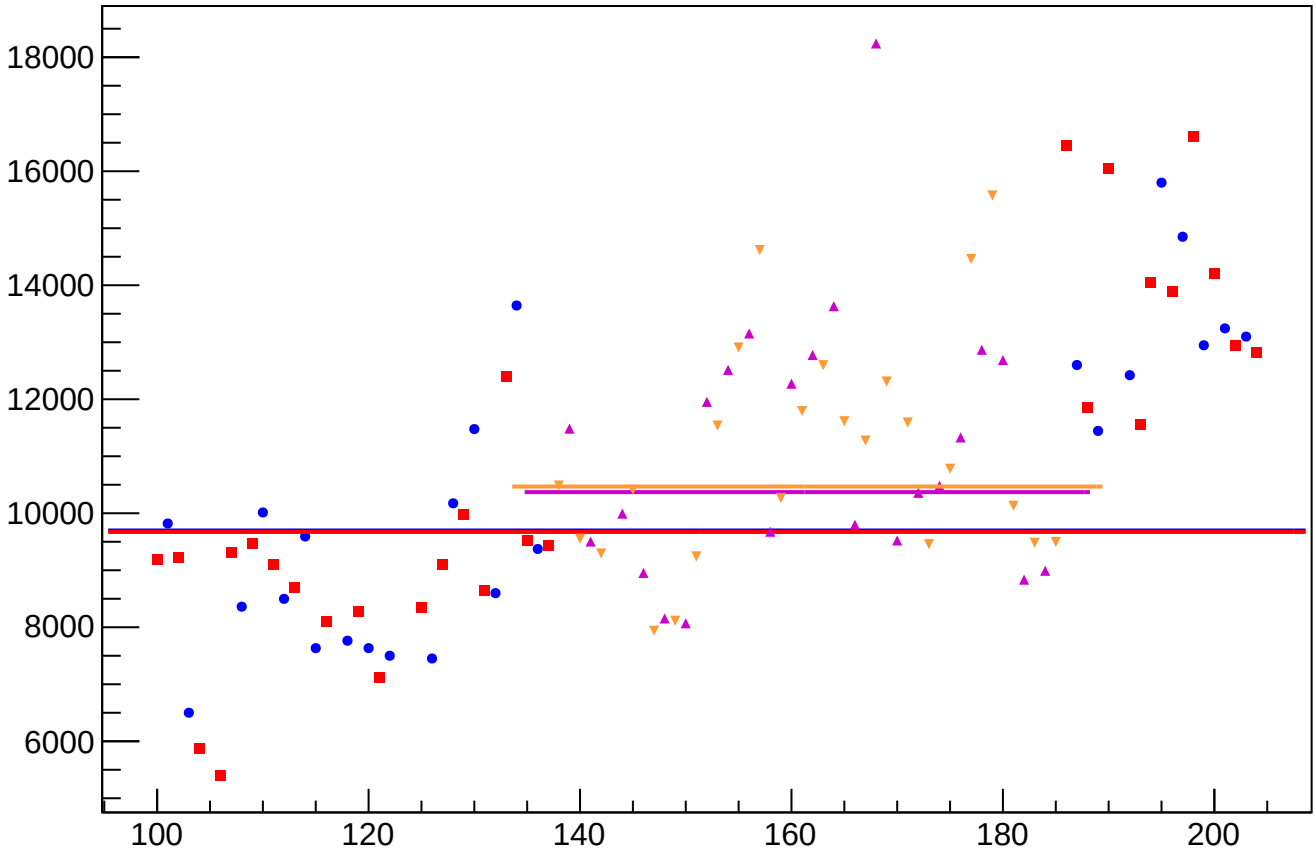
Right Out: 3156.952+/-2616.072 χ^2/NDF: 26.5/27

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -1134.280+/-1846.736 χ^2/NDF: 56.4/47

All: 262.906+/-1287.690 χ^2/NDF: 98.5/98

- sign 1585.029+/-1796.444 χ^2/NDF: 41.0/50



Right In: 9697.704+/-1.955 χ^2/NDF: 1661060.1/23

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

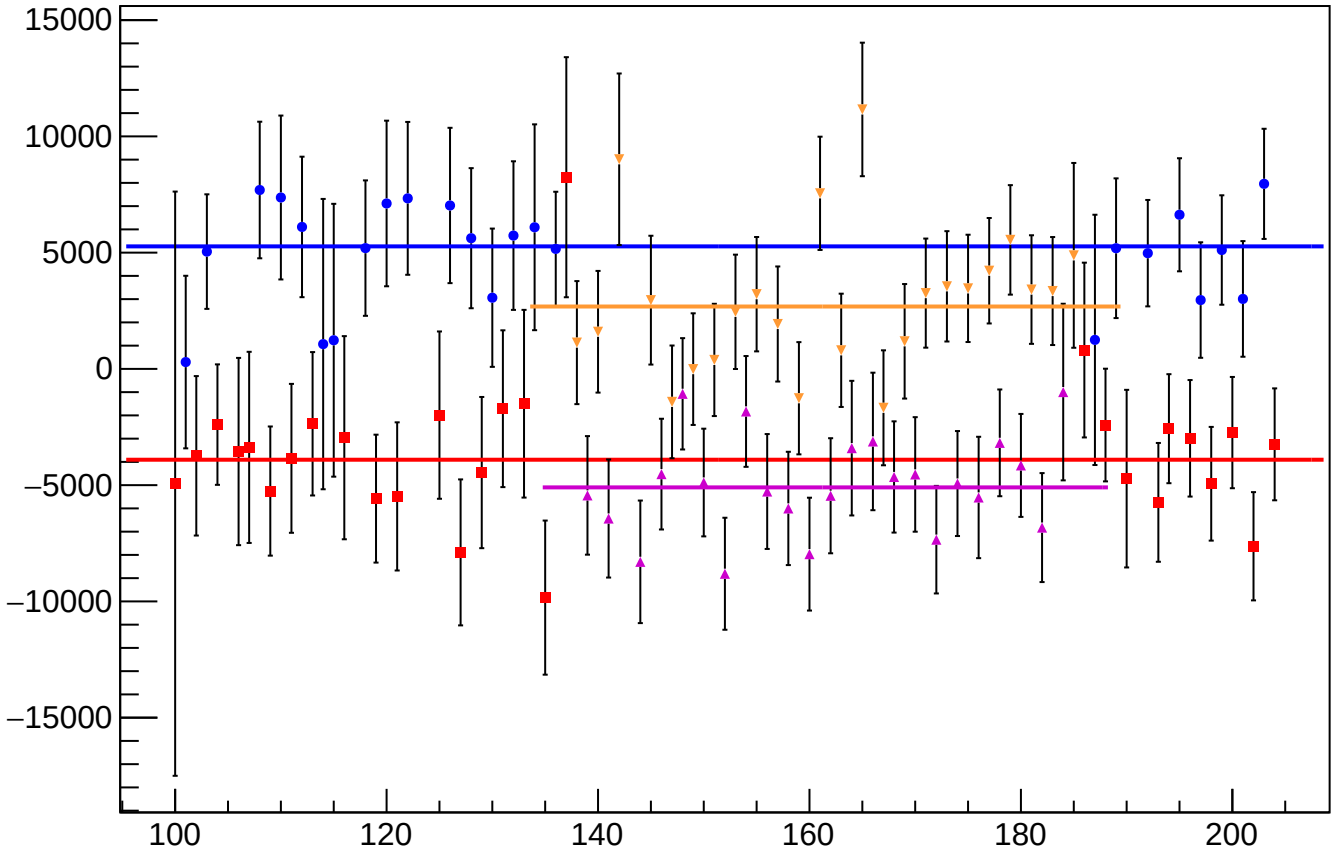
Right Out: 9672.271+/-1.850 χ^2/NDF: 2368016.2/27

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10124.707+/-1.306 χ^2/NDF: 2792451.9/47

All: 10081.932+/-0.911 χ^2/NDF: 6441692.2/9

- sign 10041.454+/-1.270 χ^2/NDF: 3647152.0/50



Right In: 5269.307+/-608.278 χ^2/NDF: 9.3/23

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3906.547+/-574.395 χ^2/NDF: 19.0/27

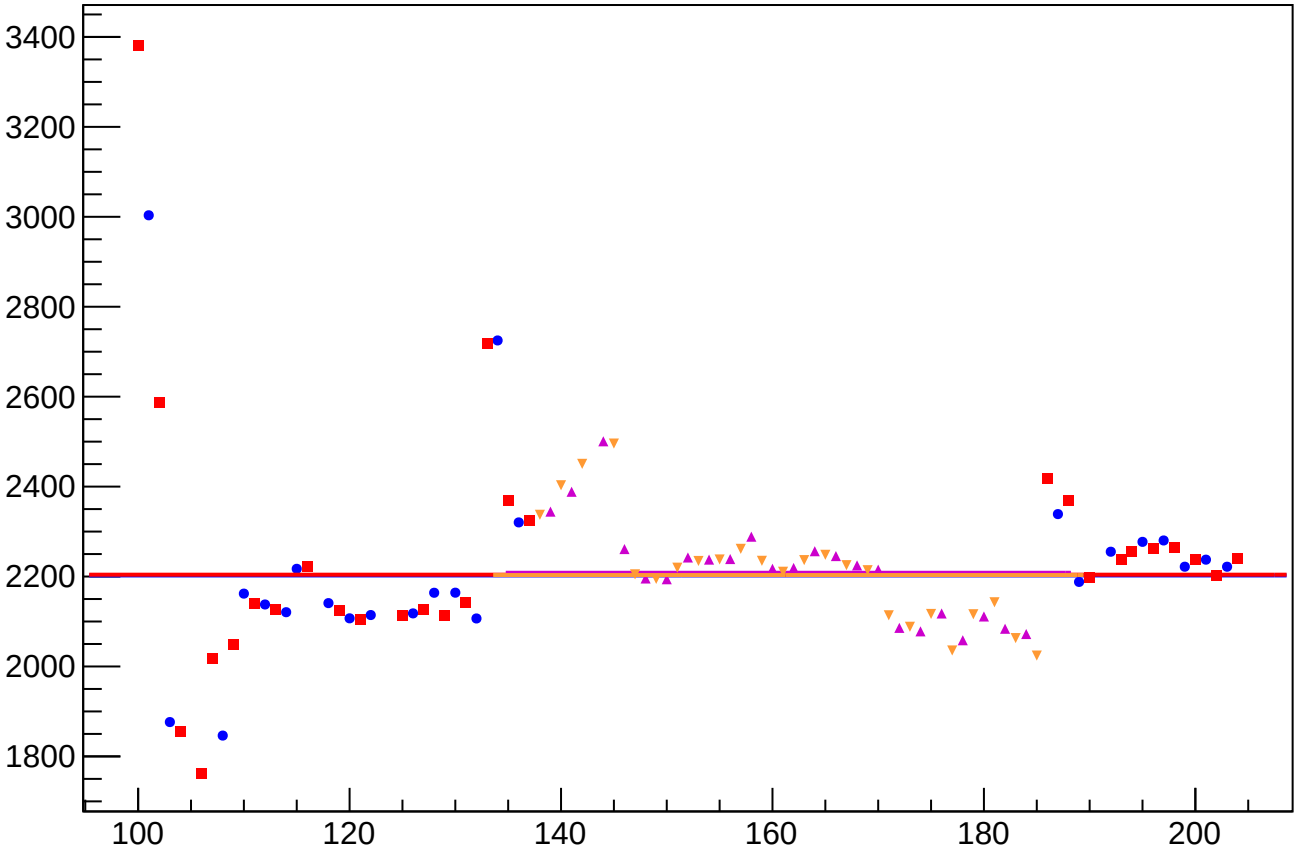
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3755.439+/-391.718 χ^2/NDF: 50.7/47

All: -487.922+/-274.200 χ^2/NDF: 317.1/98

- sign -4564.712+/-383.953 χ^2/NDF: 36.3/50

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2202.434+/-0.430 χ^2/NDF: 206016.3/23

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

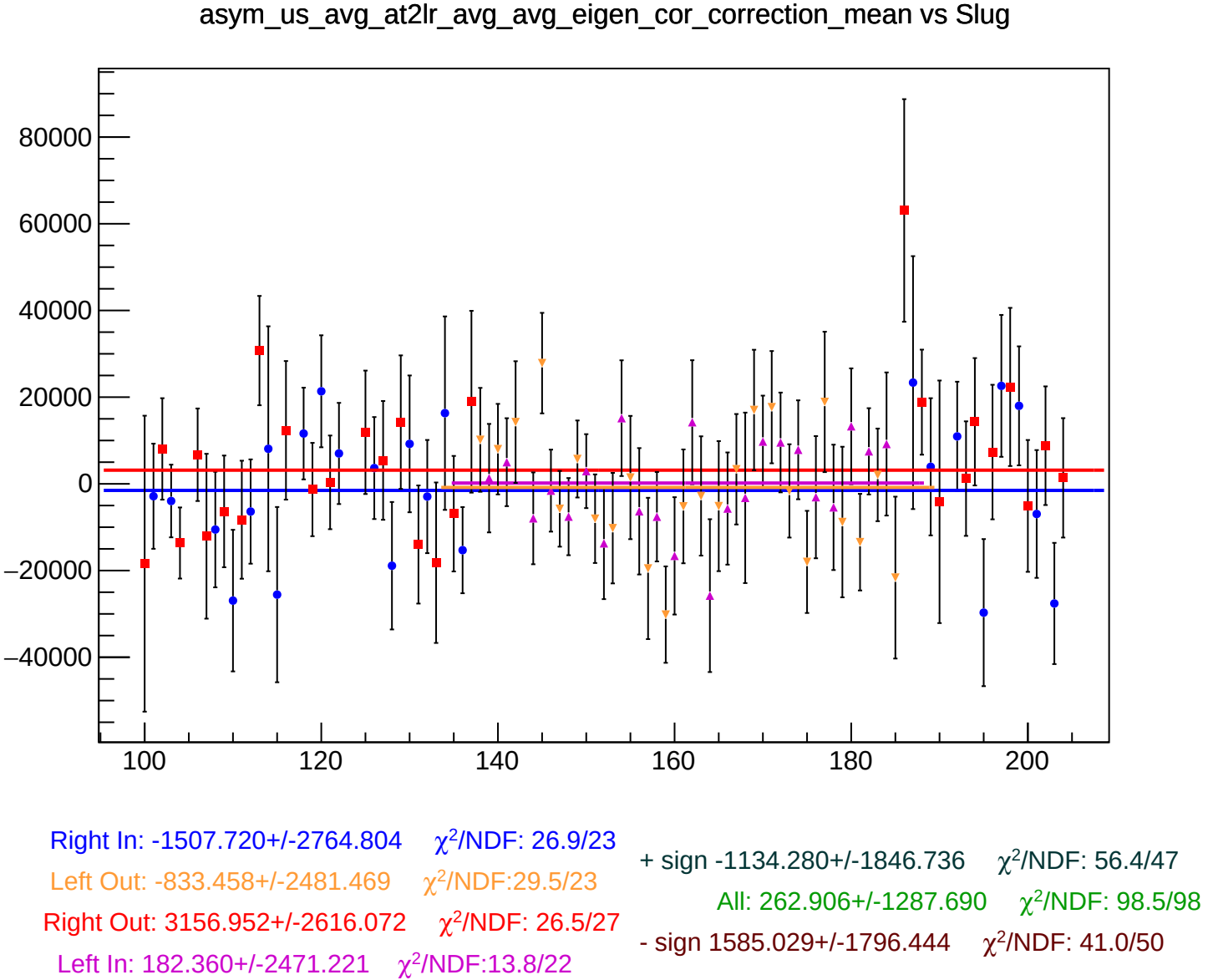
Right Out: 2204.117+/-0.405 χ^2/NDF: 188001.2/27

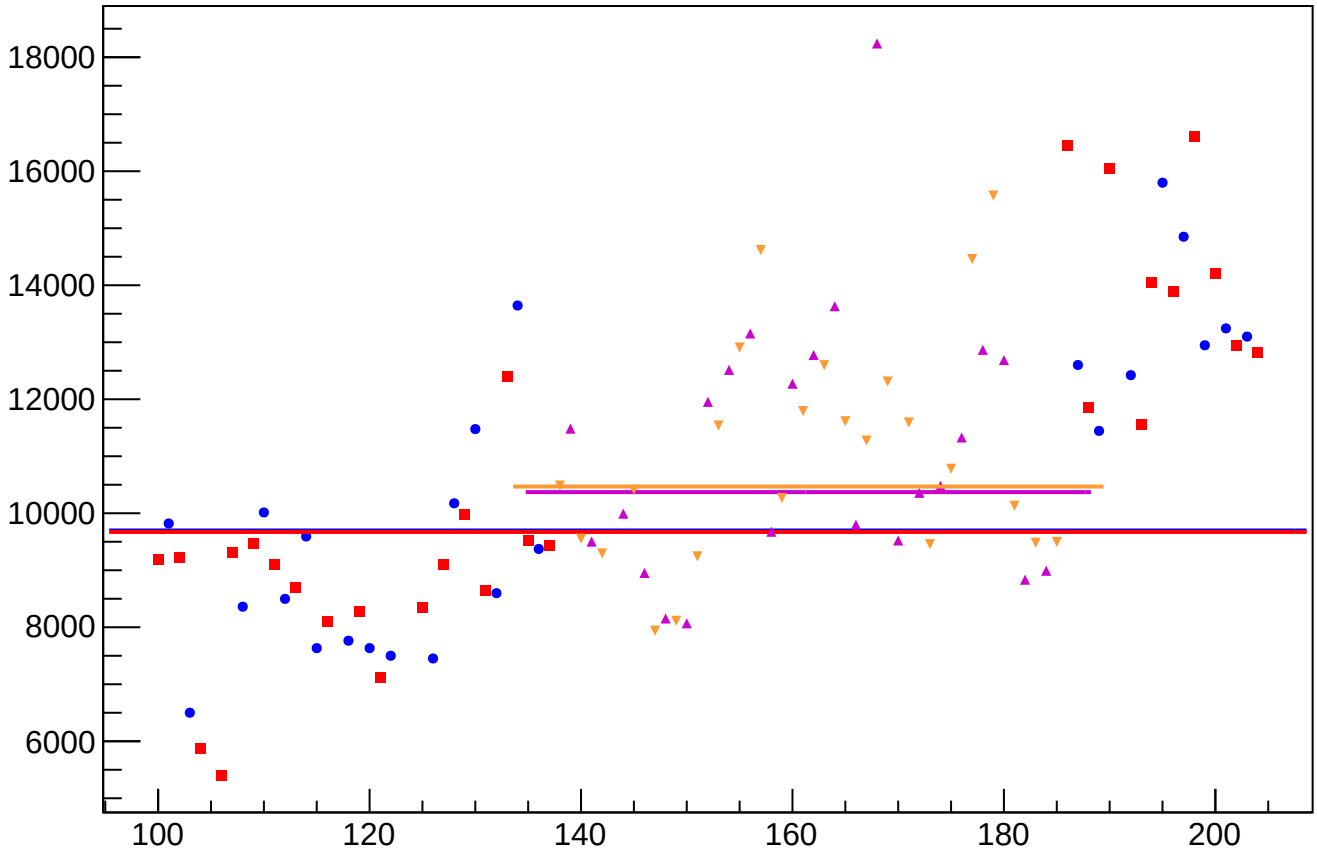
Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2202.939+/-0.277 χ^2/NDF: 294227.0/47

All: 2204.741+/-0.194 χ^2/NDF: 563366.5/98

- sign 2206.469+/-0.271 χ^2/NDF: 269056.6/50


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: -1507.720+/-2764.804 χ²/NDF: 26.9/23
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: 3156.952+/-2616.072 χ²/NDF: 26.5/27
Left In: 182.360+/-2471.221 χ²/NDF:13.8/22
+ sign -1134.280+/-1846.736 χ²/NDF: 56.4/47
All: 262.906+/-1287.690 χ²/NDF: 98.5/98
- sign 1585.029+/-1796.444 χ²/NDF: 41.0/50



Right In: 9697.704+/-1.955 χ^2/NDF: 1661060.1/23

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9672.271+/-1.850 χ^2/NDF: 2368016.2/27

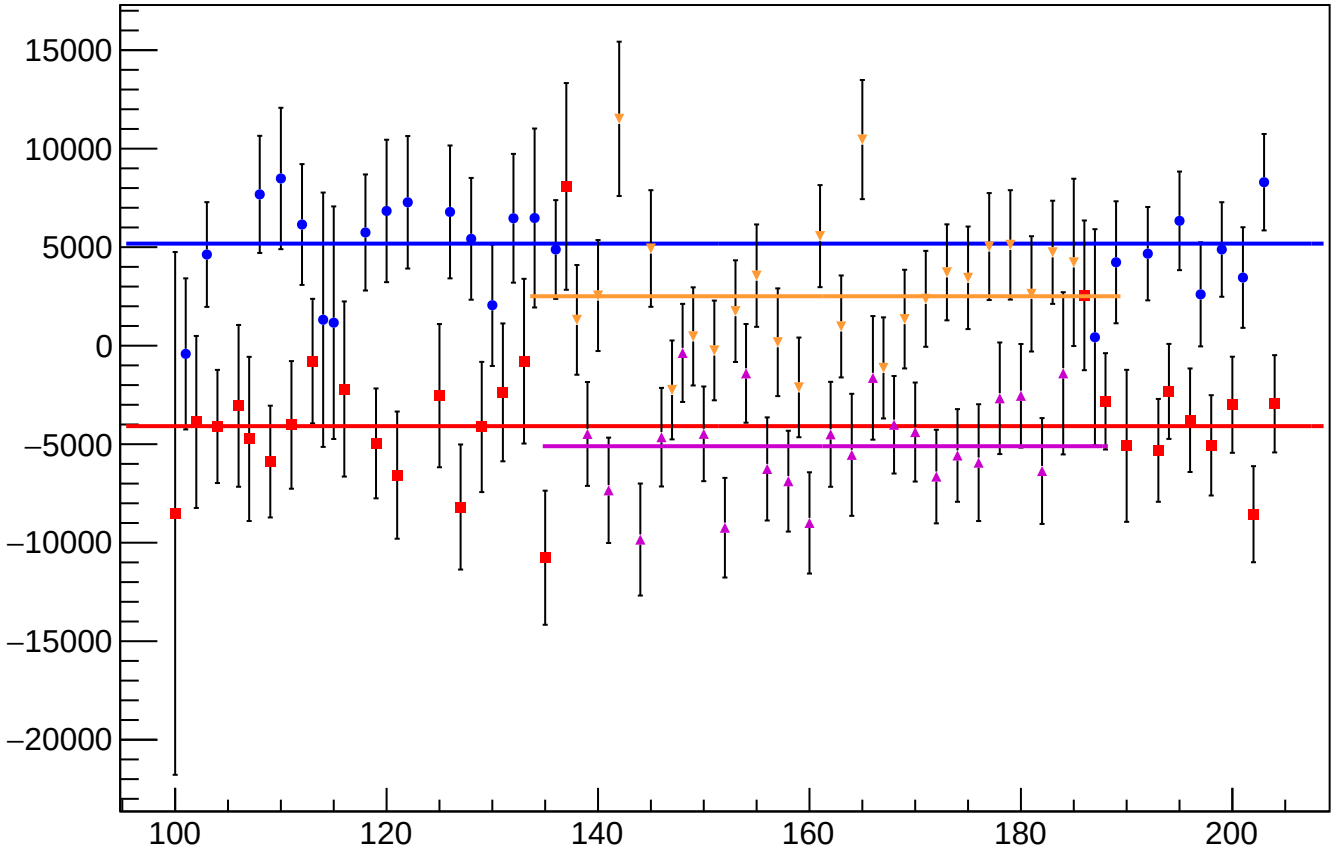
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10124.707+/-1.306 χ^2/NDF: 2792451.9/47

All: 10081.932+/-0.911 χ^2/NDF: 6441692.2/9

- sign 10041.454+/-1.270 χ^2/NDF: 3647152.0/50

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5180.094+/-626.030 χ^2/NDF: 10.9/23

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -4083.675+/-593.221 χ^2/NDF: 22.6/27

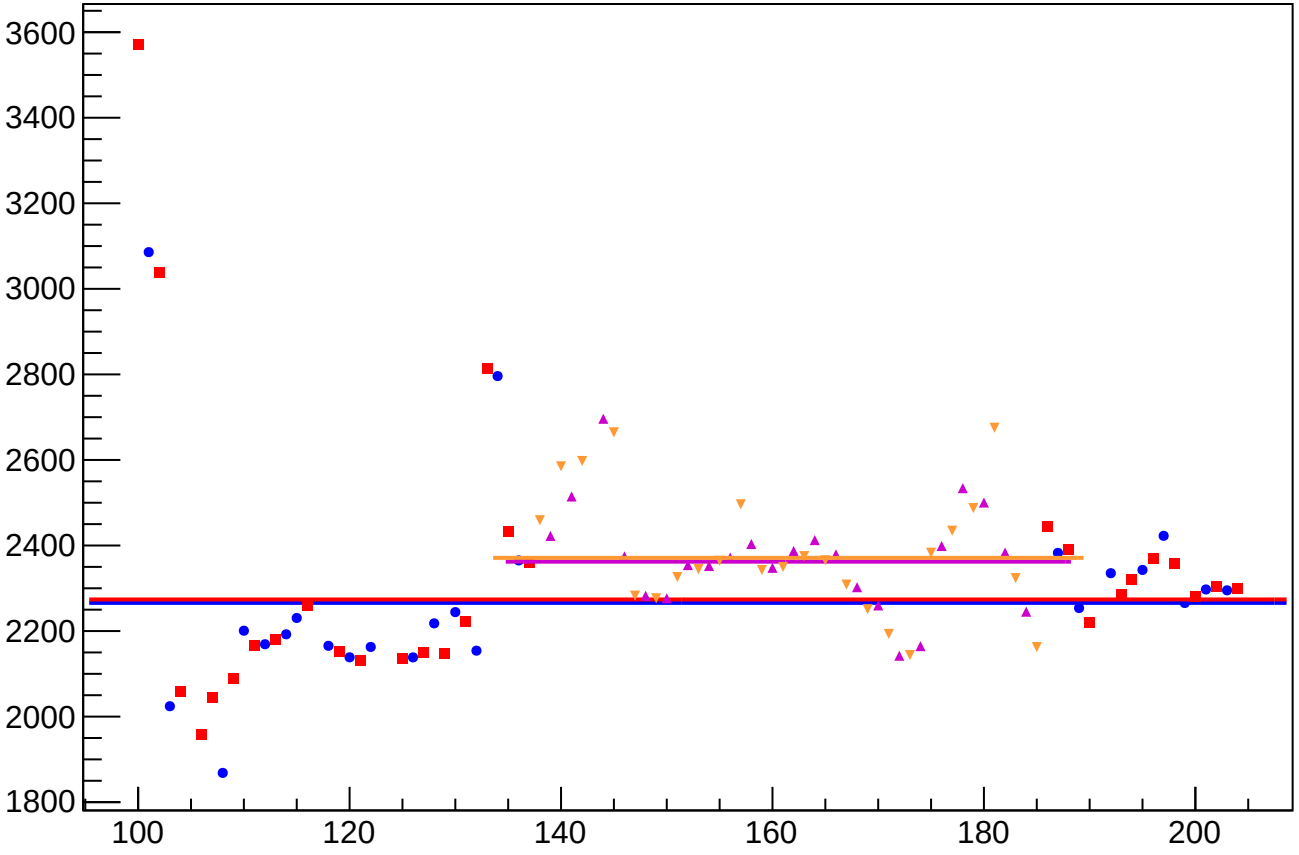
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3676.385+/-413.866 χ^2/NDF: 51.0/47

All: -573.231+/-289.220 χ^2/NDF: 301.1/98

- sign -4629.441+/-404.339 χ^2/NDF: 44.1/50

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2265.910+/-0.443 χ^2/NDF: 201770.9/23

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

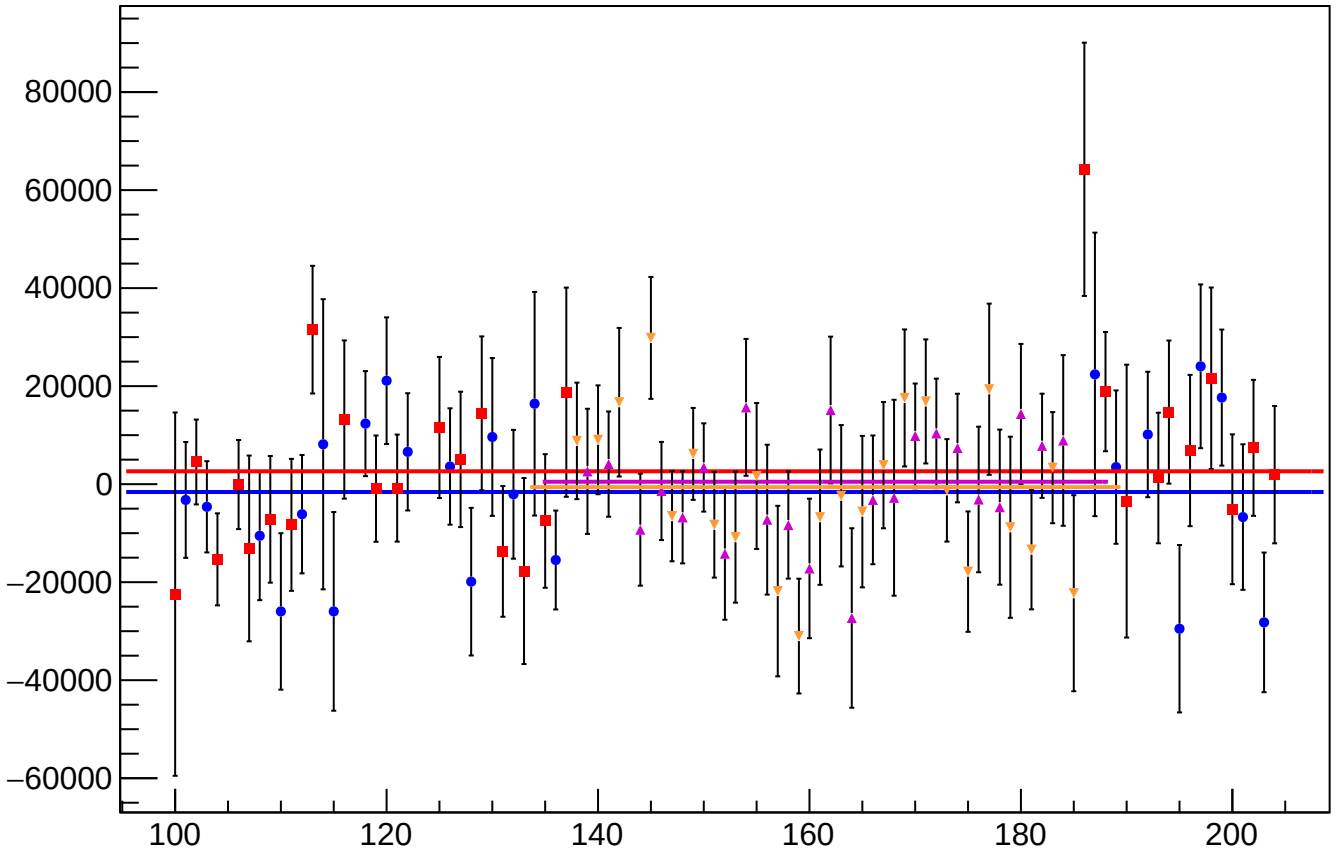
Right Out: 2273.859+/-0.419 χ^2/NDF: 192888.3/27

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2325.147+/-0.293 χ^2/NDF: 349877.5/47

All: 2323.104+/-0.204 χ^2/NDF: 658522.7/98

- sign 2321.155+/-0.286 χ^2/NDF: 308550.0/50



Right In: -1602.575+/-2811.918 χ^2/NDF: 26.7/23

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

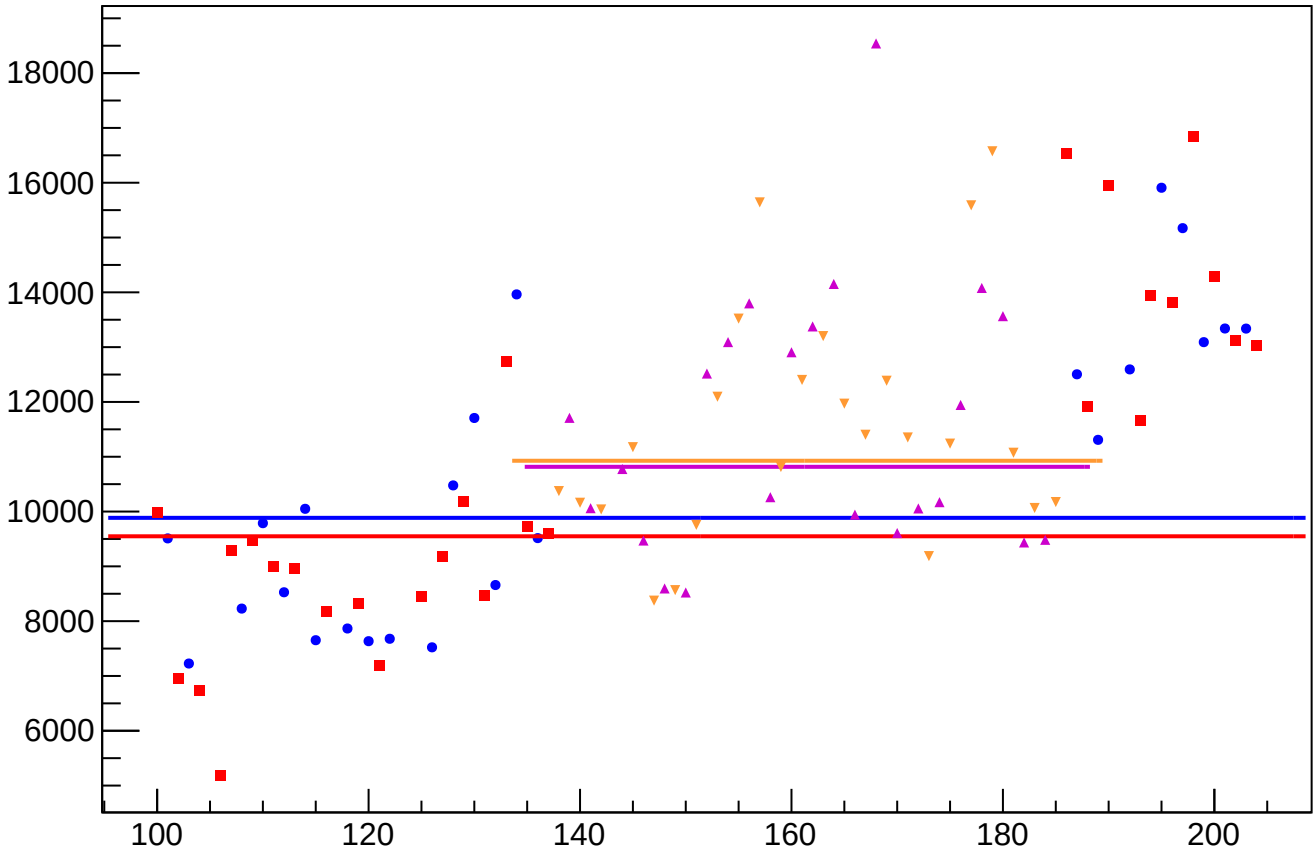
Right Out: 2627.774+/-2581.249 χ^2/NDF: 26.2/27

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -1064.636+/-1905.004 χ^2/NDF: 55.7/47

All: 303.379+/-1317.390 χ^2/NDF: 96.8/98

- sign 1557.237+/-1823.790 χ^2/NDF: 40.1/50



Right In: 9885.287+/-1.988 χ^2/NDF: 1542113.0/23

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

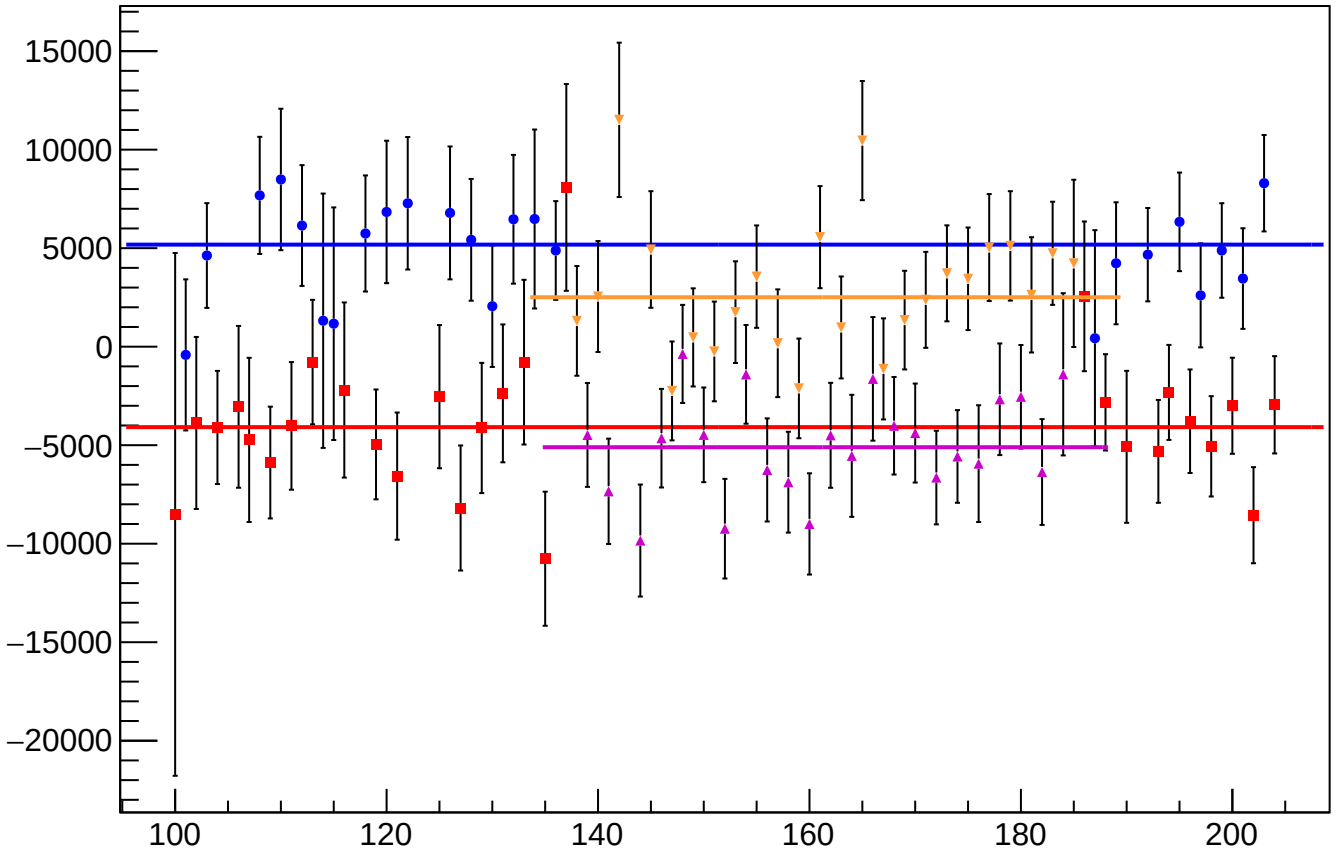
Right Out: 9548.625+/-1.825 χ^2/NDF: 2517548.7/27

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10448.807+/-1.347 χ^2/NDF: 2747909.0/47

All: 10310.359+/-0.932 χ^2/NDF: 6724097.6/9

- sign 10183.464+/-1.290 χ^2/NDF: 3955943.0/50



Right In: 5180.086+/-626.030 χ^2/NDF: 10.9/23

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -4083.674+/-593.221 χ^2/NDF: 22.6/27

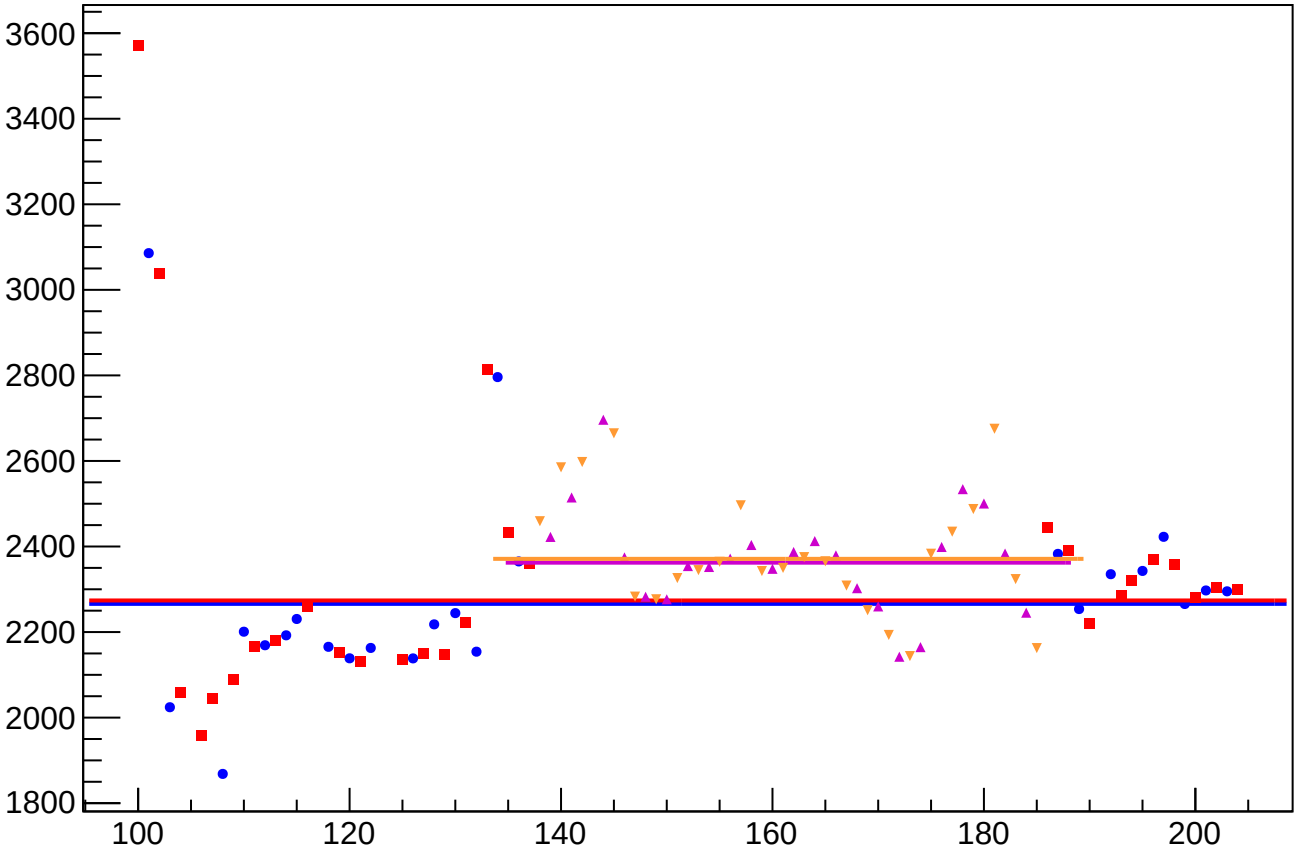
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3676.376+/-413.867 χ^2/NDF: 51.0/47

All: -573.235+/-289.221 χ^2/NDF: 301.1/98

- sign -4629.441+/-404.339 χ^2/NDF: 44.1/50

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2265.909+/-0.443 χ^2/NDF: 201771.3/23

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

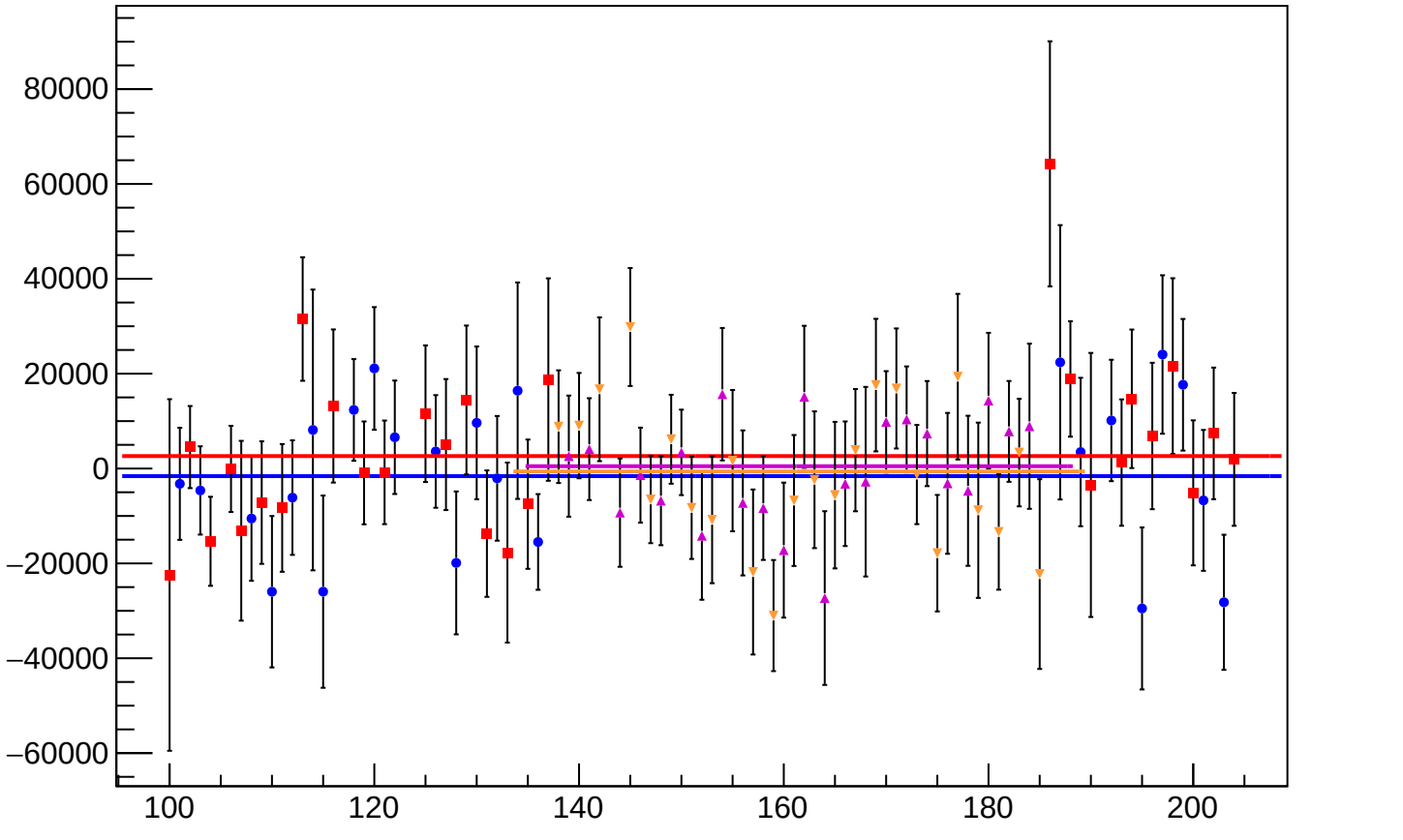
Right Out: 2273.859+/-0.419 χ^2/NDF: 192888.7/27

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2325.149+/-0.293 χ^2/NDF: 349884.4/47

All: 2323.106+/-0.204 χ^2/NDF: 658536.2/98

- sign 2321.157+/-0.286 χ^2/NDF: 308556.6/50



Right In: -1602.560+/-2811.914 χ^2/NDF: 26.7/23

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

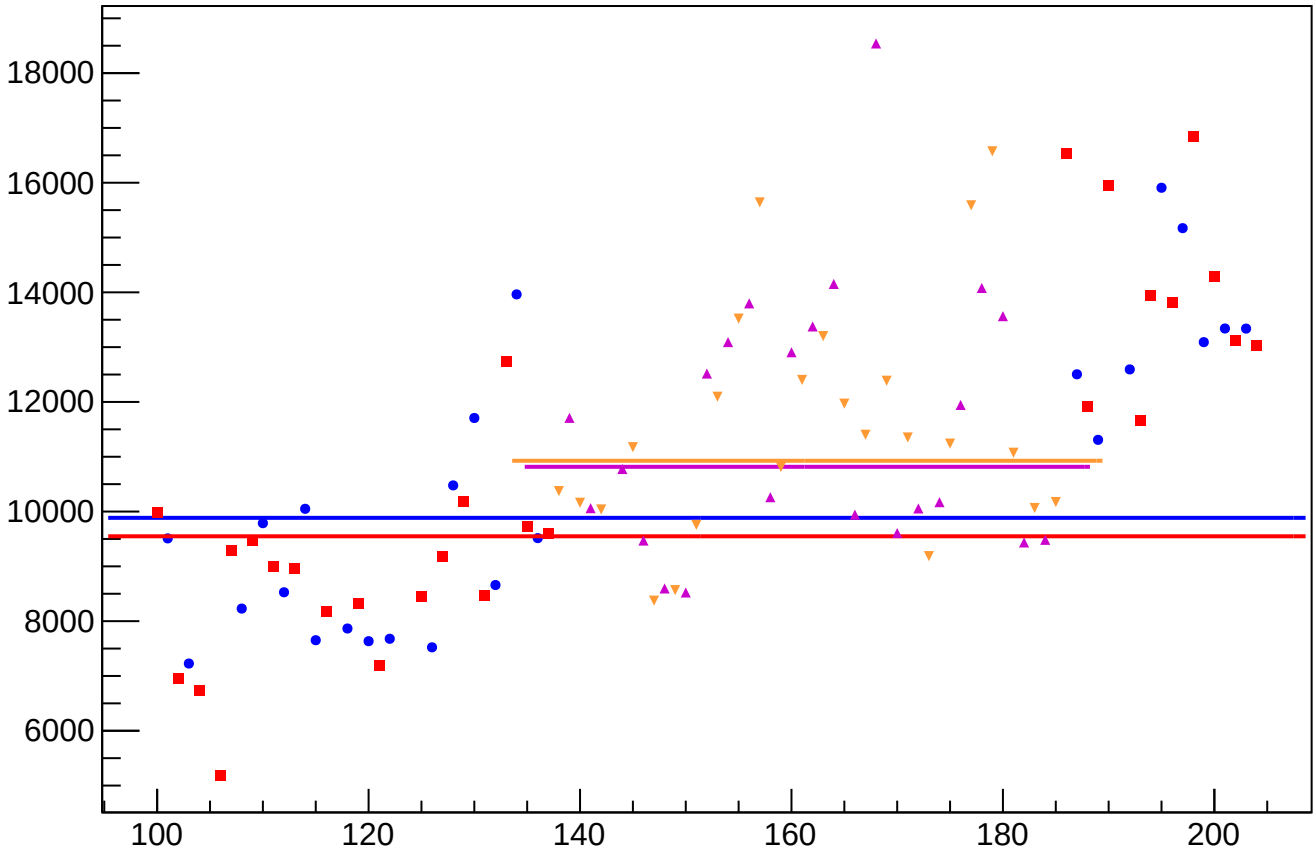
Right Out: 2627.761+/-2581.245 χ^2/NDF: 26.2/27

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign -1064.634+/-1905.005 χ^2/NDF: 55.7/47

All: 303.378+/-1317.390 χ^2/NDF: 96.8/98

- sign 1557.235+/-1823.790 χ^2/NDF: 40.1/50



Right In: 9885.270+/-1.988 χ^2/NDF: 1542133.8/23

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9548.609+/-1.825 χ^2/NDF: 2517567.8/27

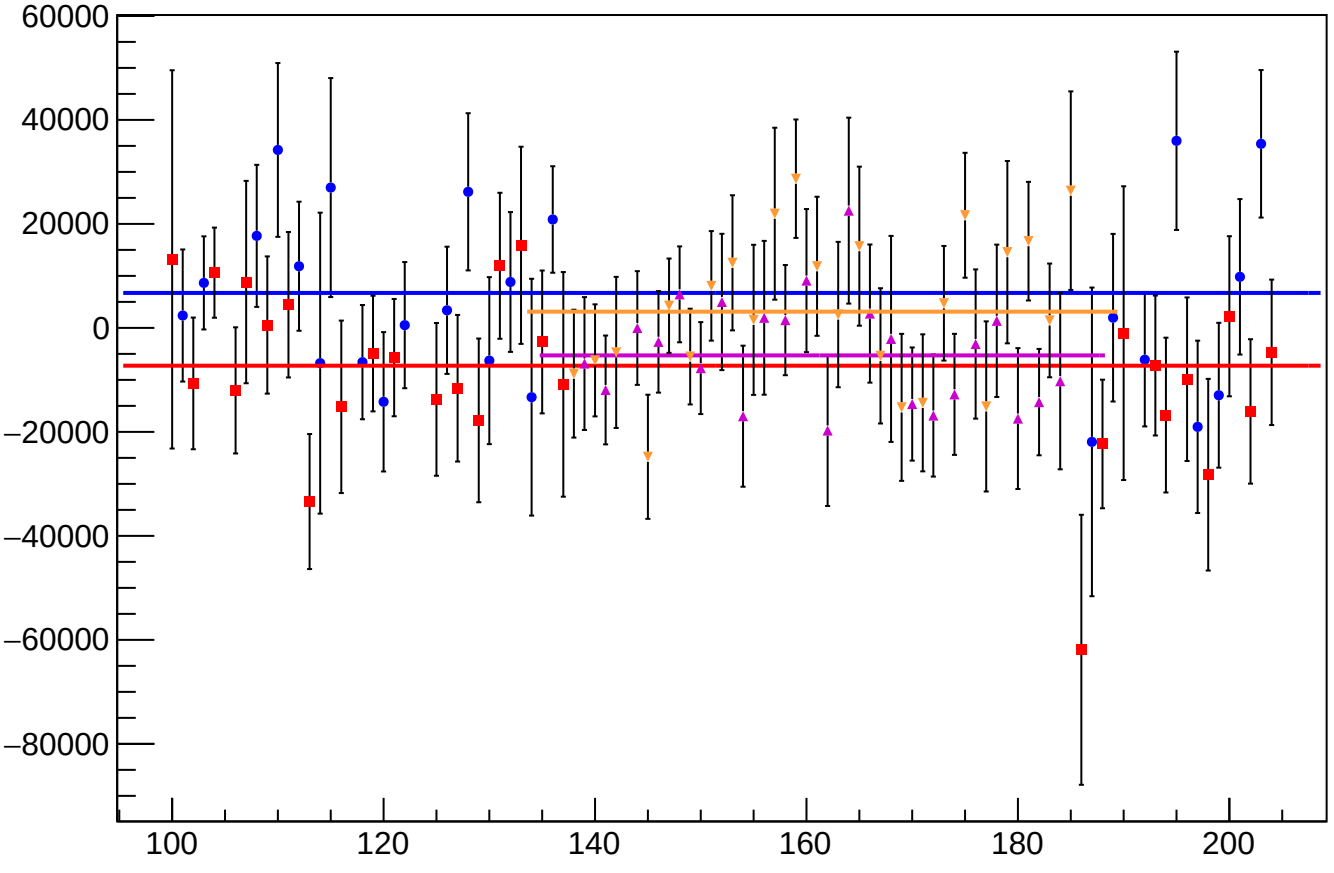
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10448.807+/-1.347 χ^2/NDF: 2747942.2/47

All: 10310.358+/-0.932 χ^2/NDF: 6724166.0/9

- sign 10183.463+/-1.290 χ^2/NDF: 3955978.0/50

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 6724.467+/-2853.244 χ^2/NDF: 27.6/23

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -7270.458+/-2712.407 χ^2/NDF: 23.6/27

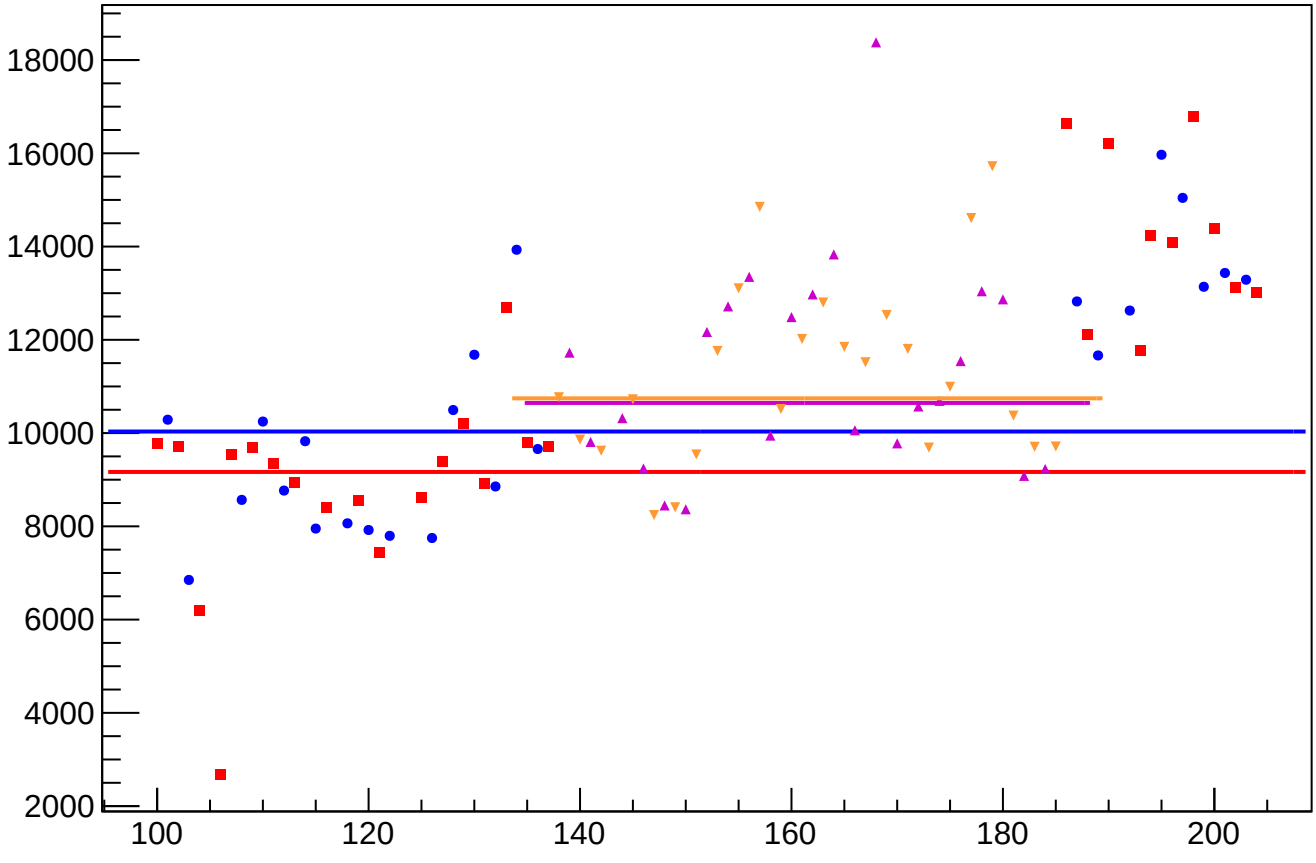
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

\+ sign 4715.117+/-1898.359 χ^2/NDF: 55.9/47

All: -886.113+/-1325.383 χ^2/NDF: 110.1/98

\- sign -6212.953+/-1851.277 χ^2/NDF: 37.2/50

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 10033.147+/-2.018 χ^2/NDF: 1518922.2/23

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

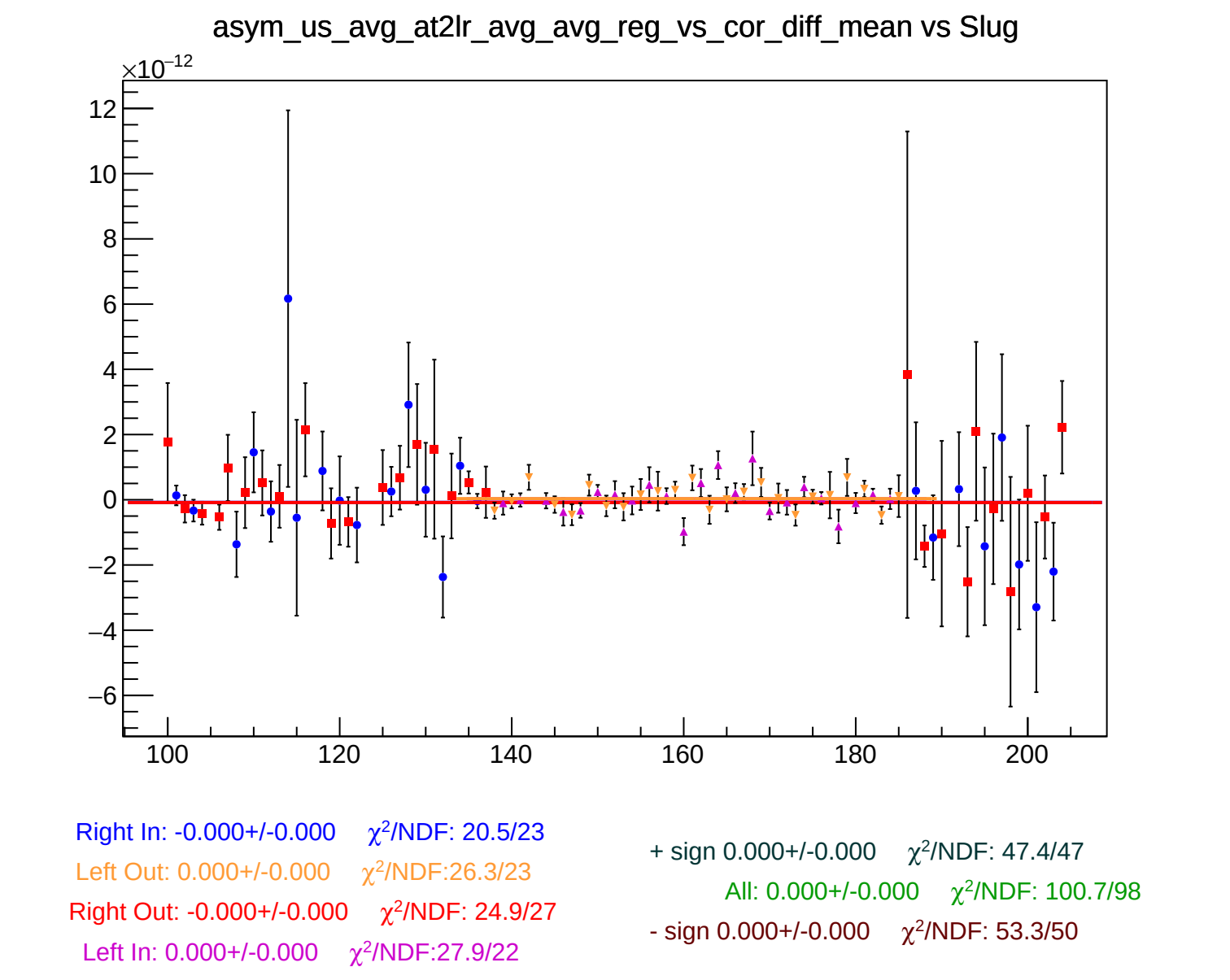
Right Out: 9166.513+/-1.818 χ^2/NDF: 4039923.3/27

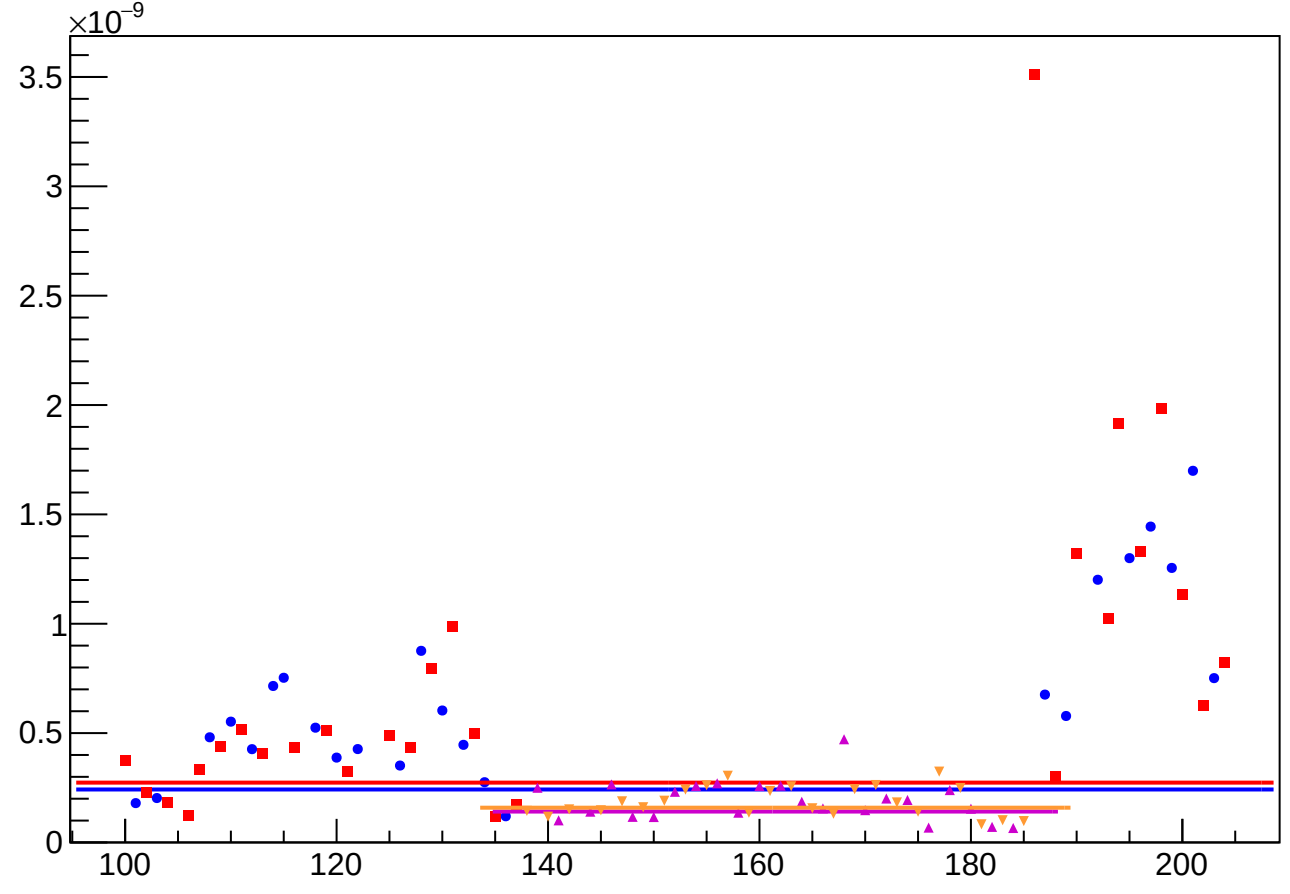
Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10430.066+/-1.342 χ^2/NDF: 2552987.5/47

All: 10160.940+/-0.925 χ^2/NDF: 8119691.2/9

- sign 9917.728+/-1.276 χ^2/NDF: 5490181.2/50


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: 20.5/23
Left Out: 0.000+/-0.000 χ²/NDF:26.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 24.9/27
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
+ sign 0.000+/-0.000 χ²/NDF: 47.4/47
All: 0.000+/-0.000 χ²/NDF: 100.7/98
- sign 0.000+/-0.000 χ²/NDF: 53.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 4767525.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

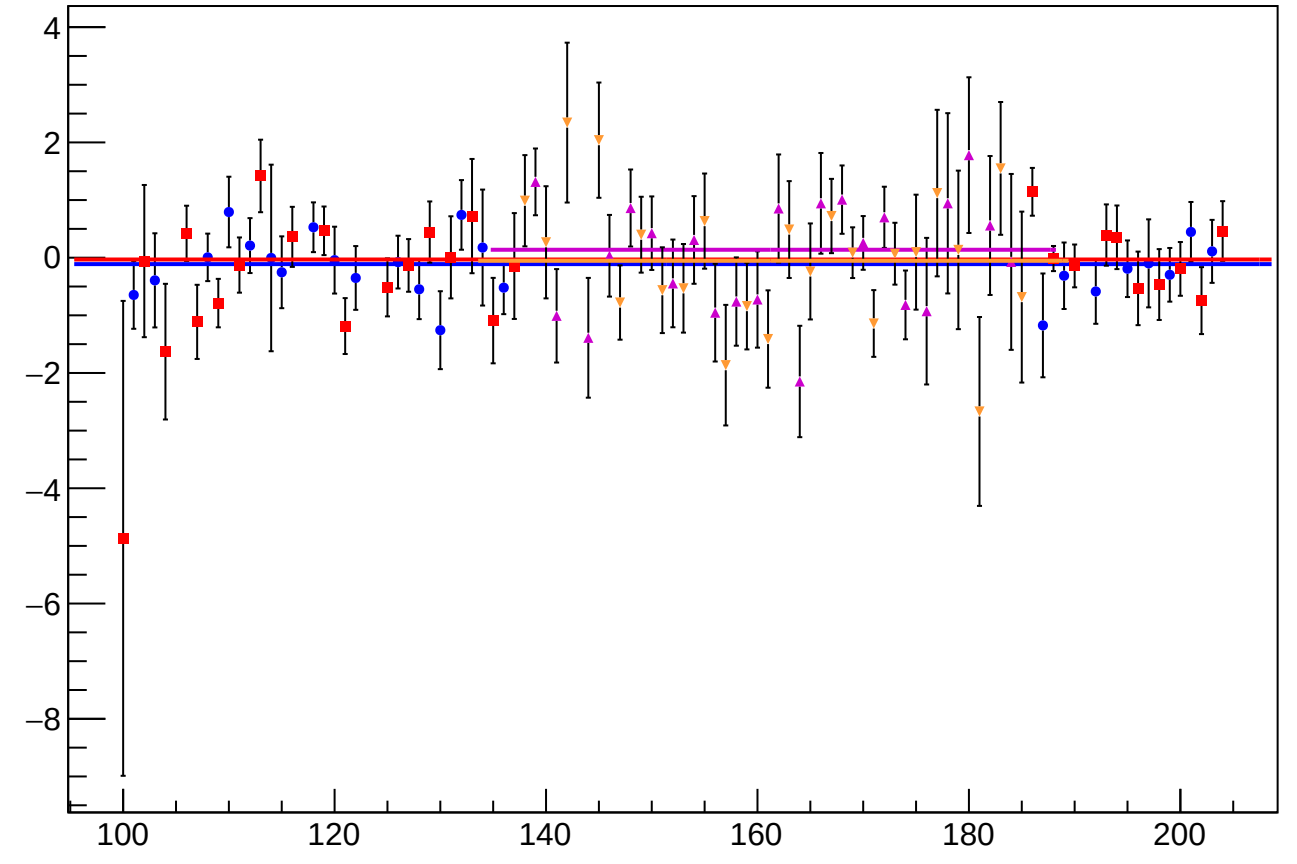
Right Out: 0.000+/-0.000 χ^2/NDF: 5177210.8/27

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6655010.9/47

All: 0.000+/-0.000 χ^2/NDF: 15649963.4/98

- sign 0.000+/-0.000 χ^2/NDF: 8937792.7/50



Right In: -0.111+/-0.115 χ^2/NDF: 16.3/23

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

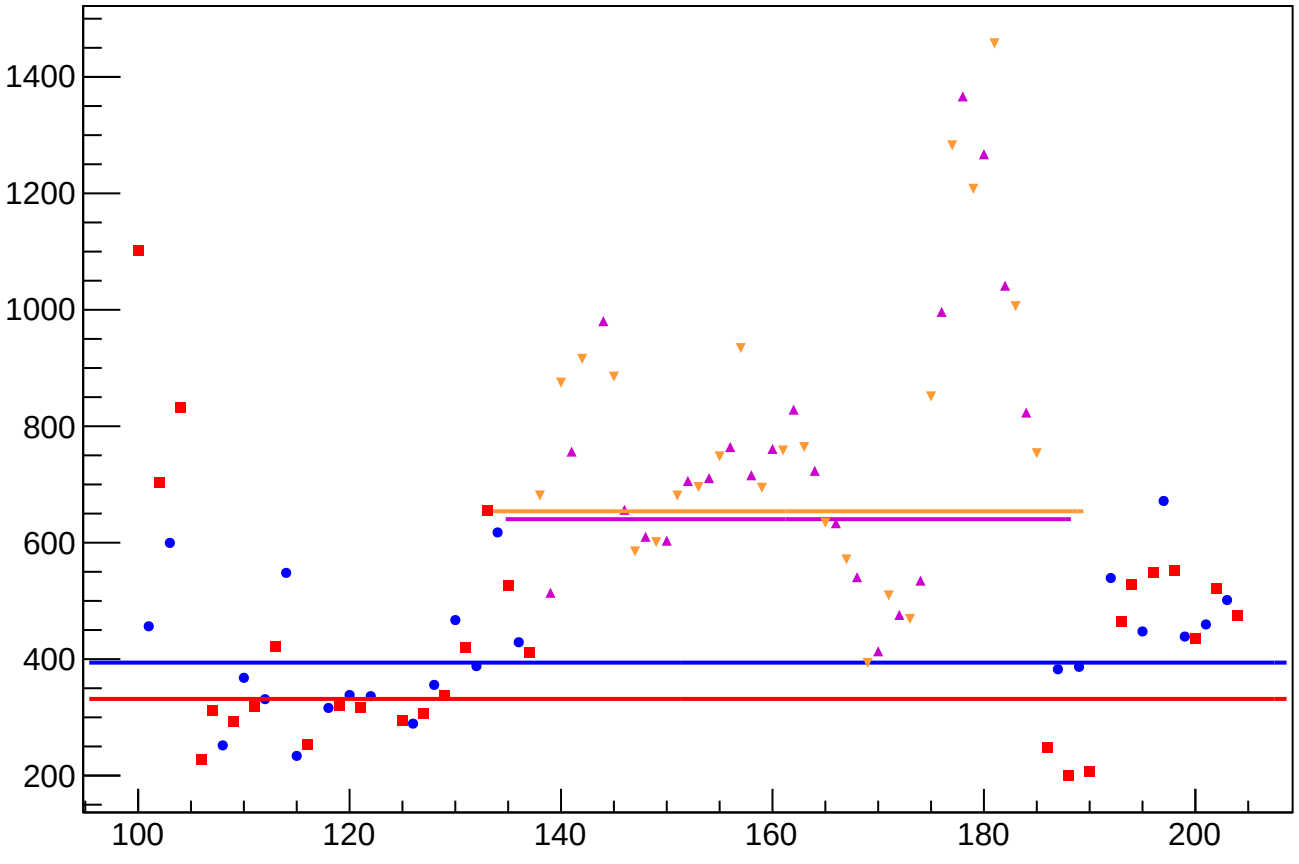
Right Out: -0.031+/-0.095 χ^2/NDF: 40.5/27

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.092+/-0.093 χ^2/NDF: 46.5/47

All: -0.032+/-0.061 χ^2/NDF: 118.6/98

- sign 0.014+/-0.082 χ^2/NDF: 71.3/50



Right In: 394.016+/-0.081 χ^2/NDF: 1481987.1/23

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

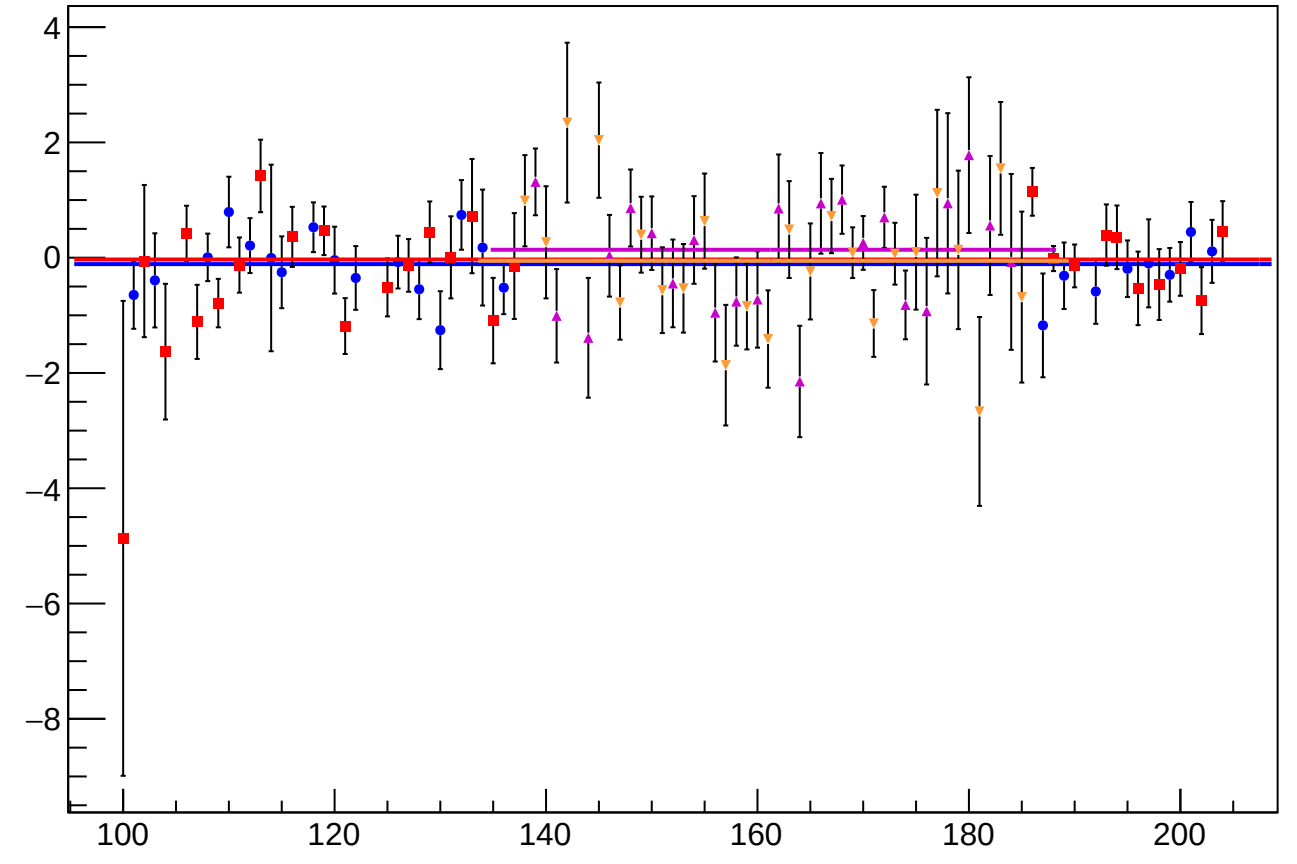
Right Out: 331.657+/-0.067 χ^2/NDF: 3581070.8/27

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 481.271+/-0.066 χ^2/NDF: 8055012.1/47

All: 443.263+/-0.043 χ^2/NDF: 20469928.5/98

- sign 414.258+/-0.058 χ^2/NDF: 11831888.5/50



Right In: -0.111+/-0.115 χ^2/NDF: 16.3/23

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

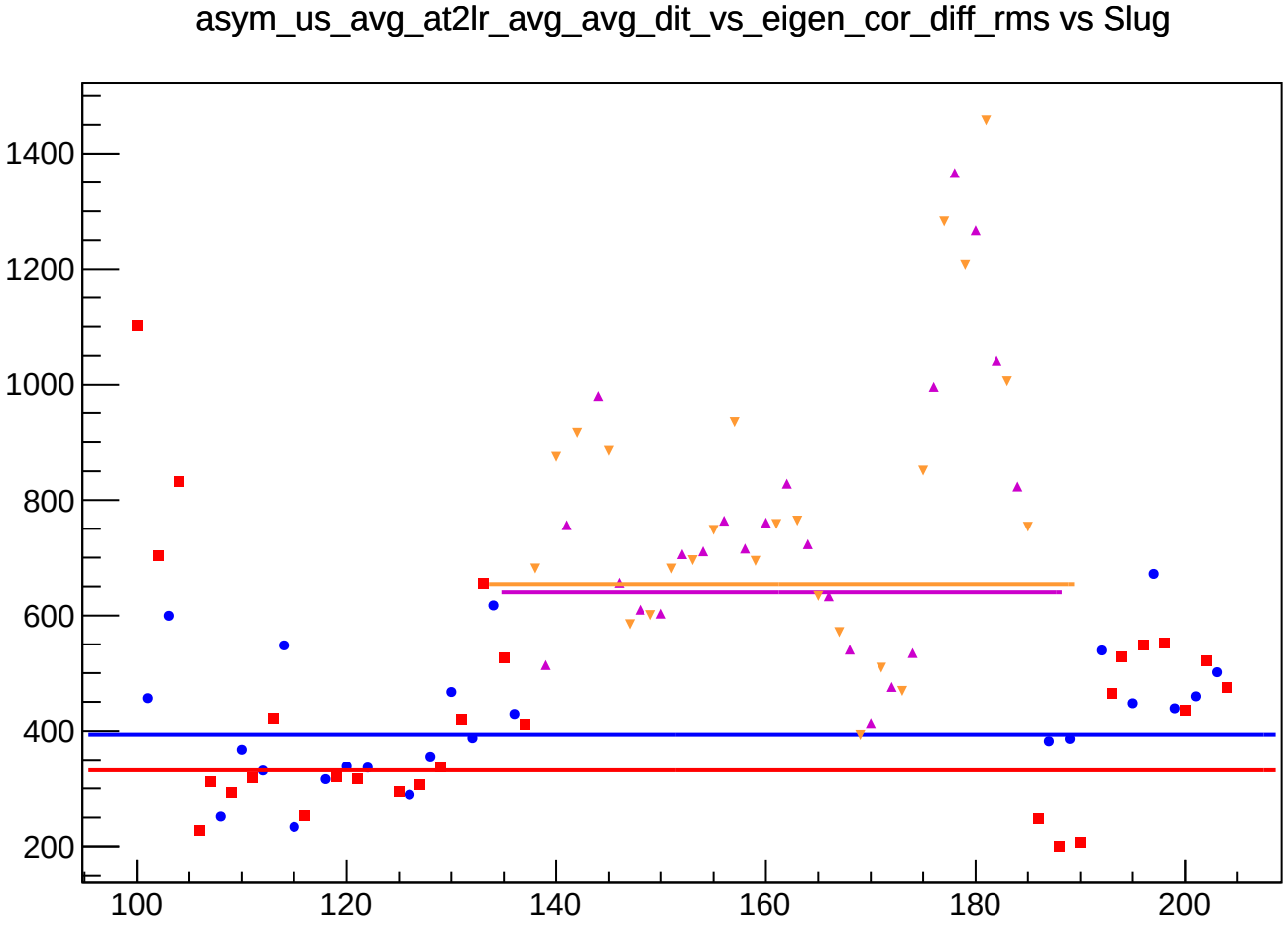
Right Out: -0.031+/-0.095 χ^2/NDF: 40.5/27

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.092+/-0.093 χ^2/NDF: 46.5/47

All: -0.032+/-0.061 χ^2/NDF: 118.6/98

- sign 0.014+/-0.082 χ^2/NDF: 71.3/50



Right In: 394.016+/-0.081 χ^2/NDF: 1481987.1/23

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

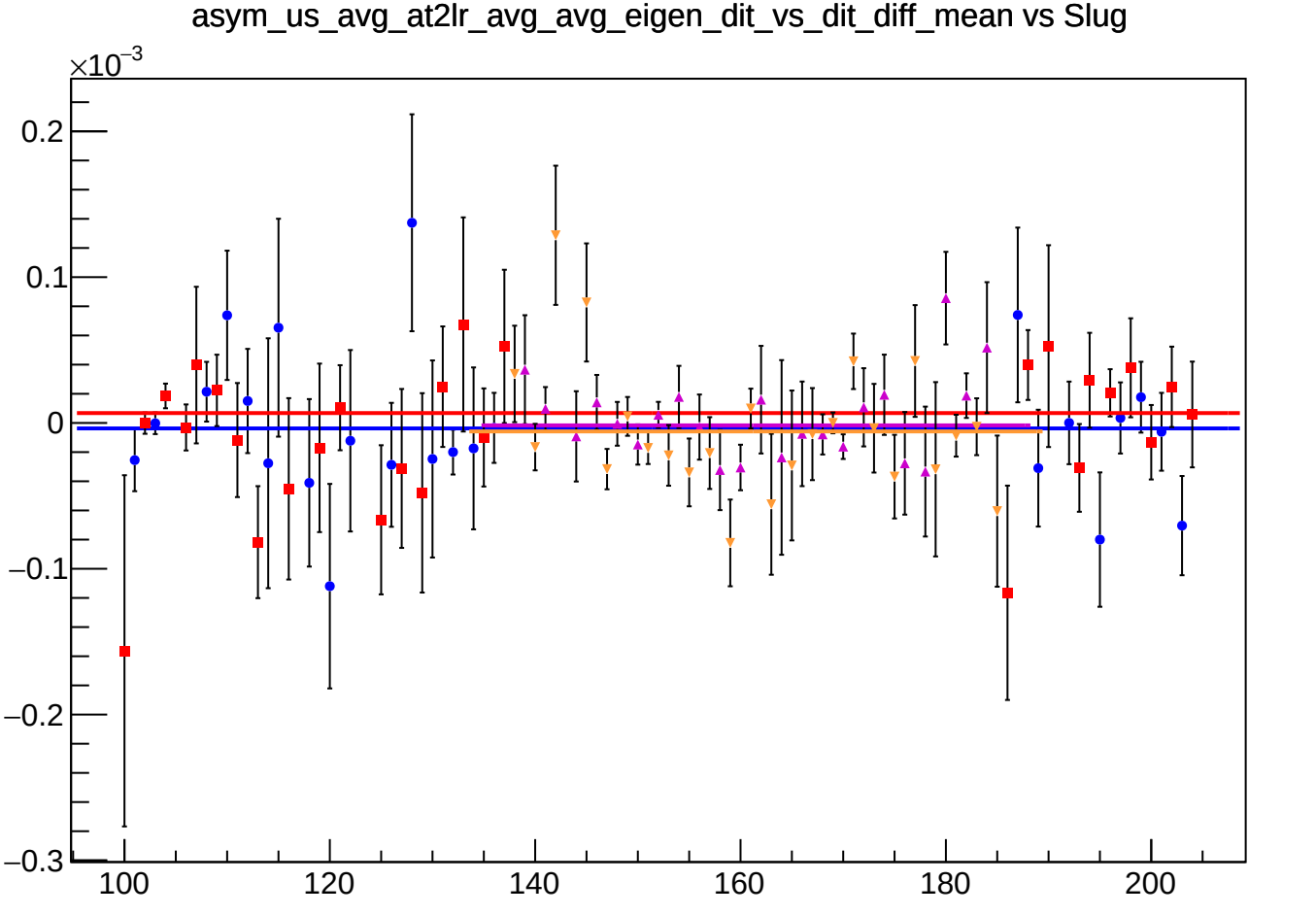
Right Out: 331.657+/-0.067 χ^2/NDF: 3581070.8/27

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 481.271+/-0.066 χ^2/NDF: 8055012.1/47

All: 443.263+/-0.043 χ^2/NDF: 20469928.5/98

- sign 414.258+/-0.058 χ^2/NDF: 11831888.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/23

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

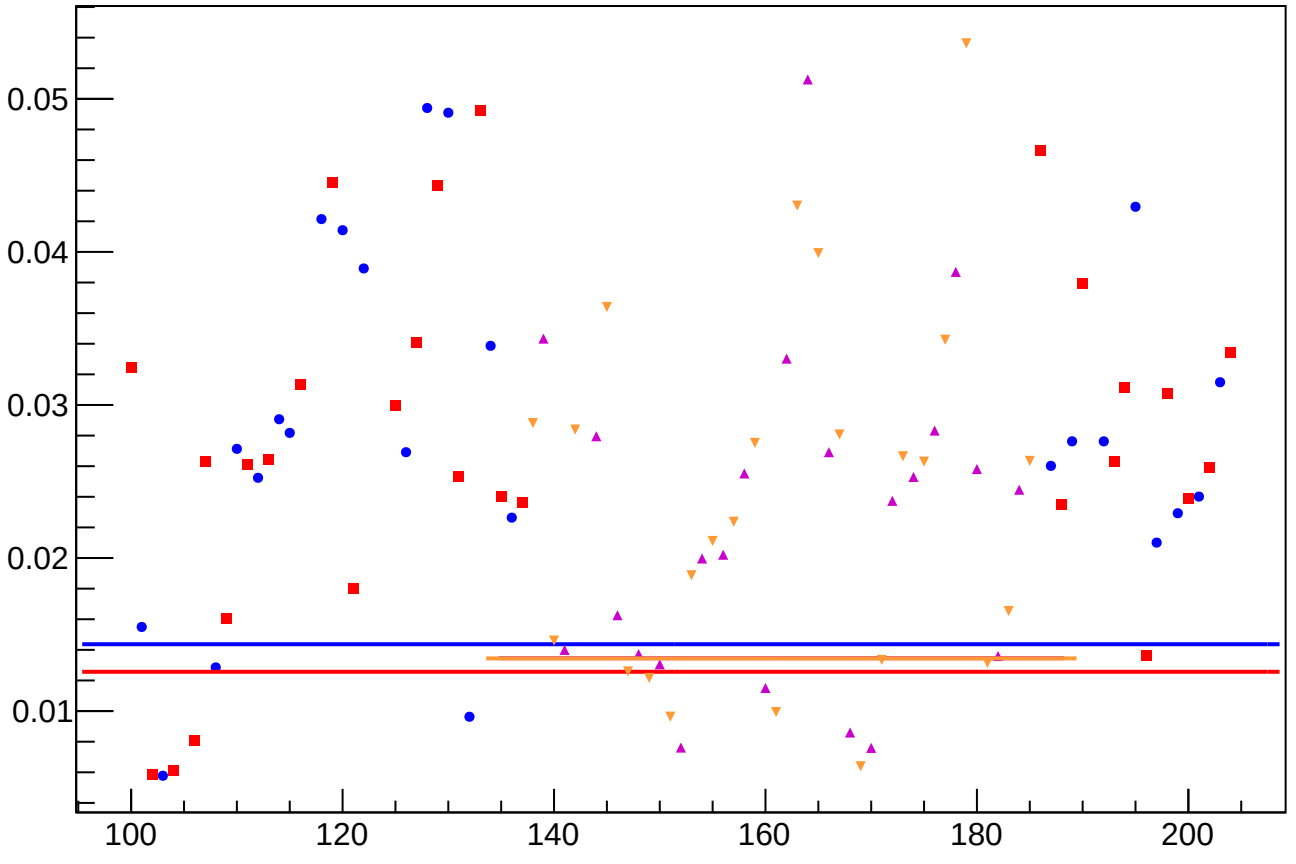
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/27

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.4/47

All: -0.000+/-0.000 χ^2/NDF: 125.4/98

- sign 0.000+/-0.000 χ^2/NDF: 55.0/50



Right In: 0.014+/-0.000 χ^2/NDF: 8730780.5/23

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

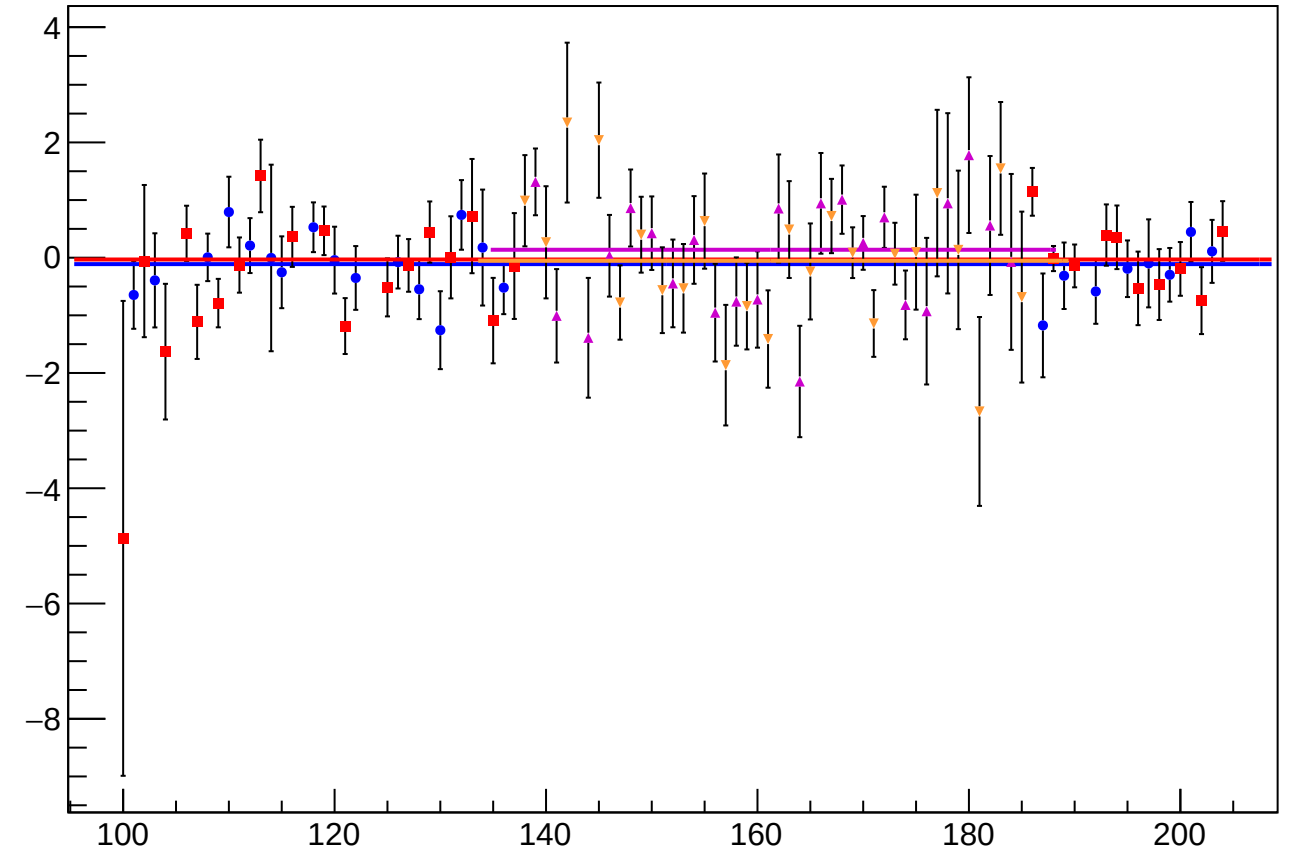
Right Out: 0.013+/-0.000 χ^2/NDF: 10877851.9/27

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.014+/-0.000 χ^2/NDF: 17631580.5/47

All: 0.013+/-0.000 χ^2/NDF: 36169062.7/98

- sign 0.013+/-0.000 χ^2/NDF: 18476389.6/50



Right In: -0.111+/-0.115 χ^2/NDF: 16.3/23

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

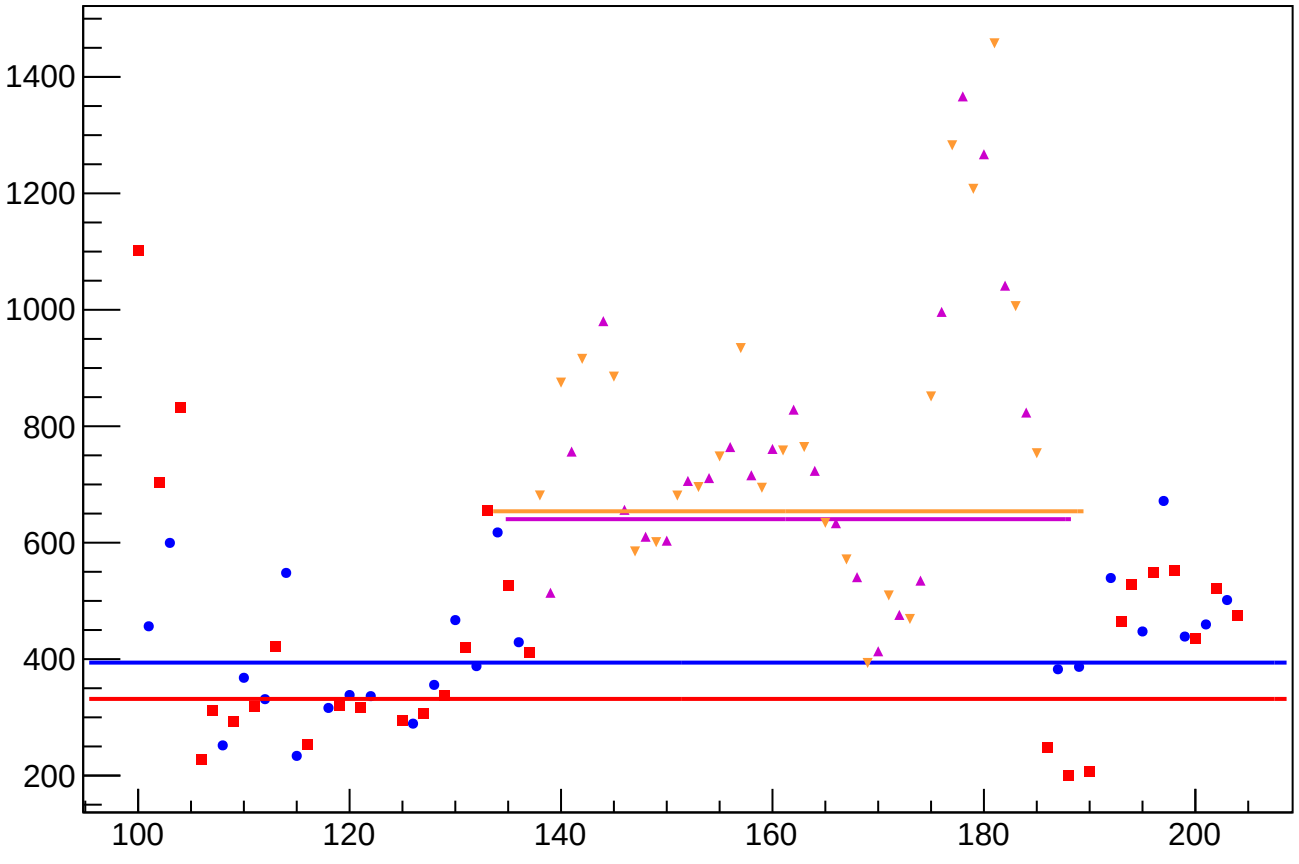
Right Out: -0.031+/-0.095 χ^2/NDF: 40.5/27

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.092+/-0.093 χ^2/NDF: 46.5/47

All: -0.032+/-0.061 χ^2/NDF: 118.6/98

- sign 0.014+/-0.082 χ^2/NDF: 71.3/50



Right In: 394.016+/-0.081 χ^2/NDF: 1481976.7/23

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 331.652+/-0.067 χ^2/NDF: 3581297.6/27

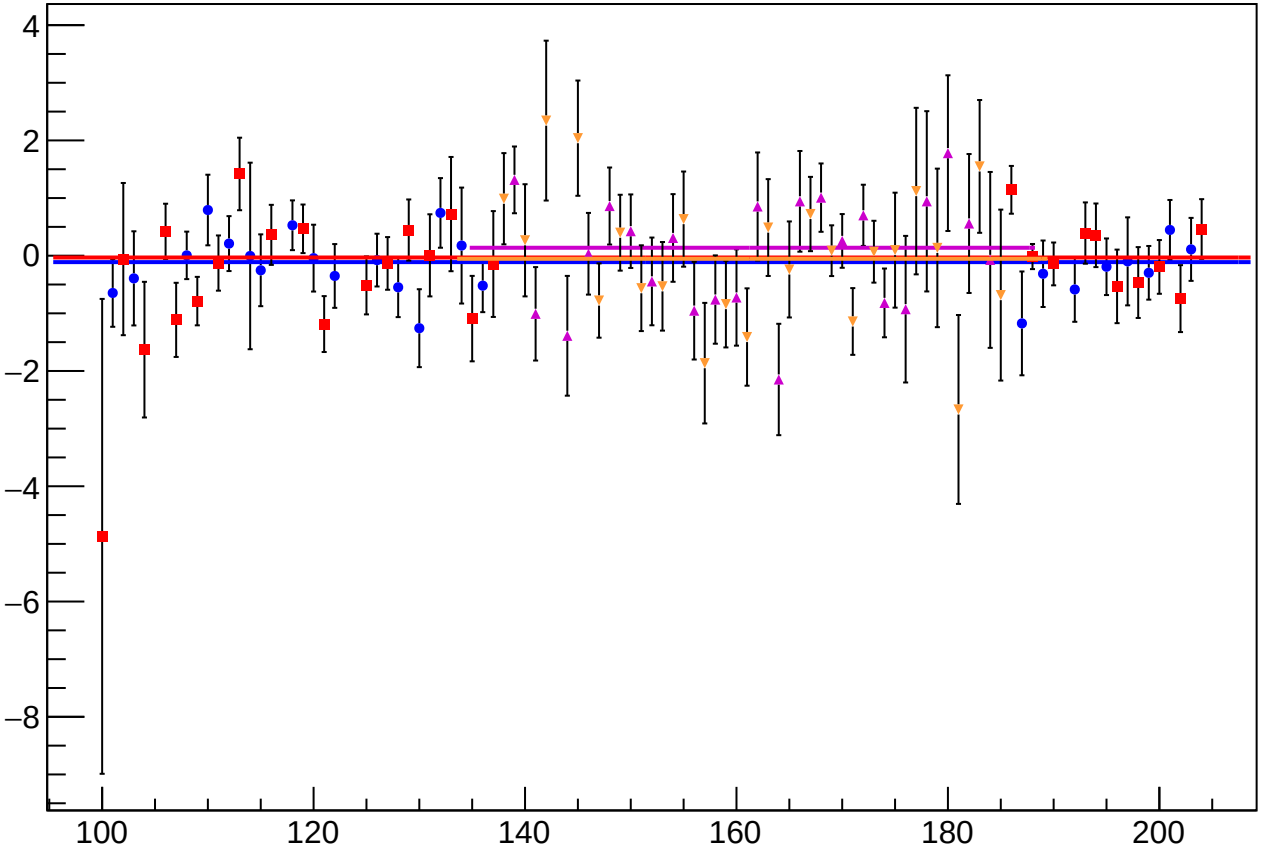
Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 481.270+/-0.066 χ^2/NDF: 8055222.8/47

All: 443.259+/-0.043 χ^2/NDF: 20470907.1/98

- sign 414.252+/-0.058 χ^2/NDF: 11832562.2/50

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.111+/-0.115 χ^2/NDF: 16.3/23

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

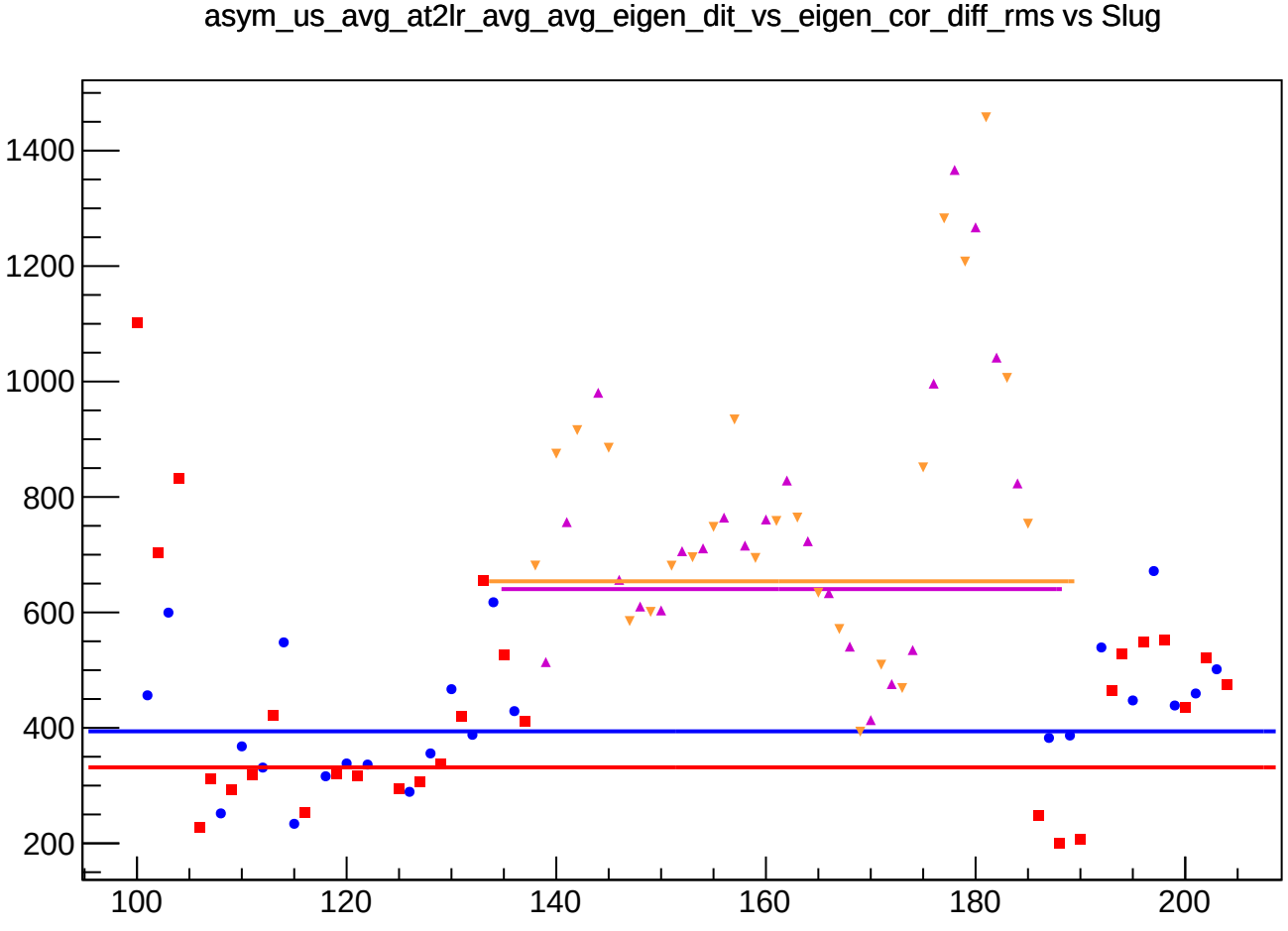
Right Out: -0.031+/-0.095 χ^2/NDF: 40.5/27

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.092+/-0.093 χ^2/NDF: 46.5/47

All: -0.032+/-0.061 χ^2/NDF: 118.6/98

- sign 0.014+/-0.082 χ^2/NDF: 71.3/50



Right In: 394.016+/-0.081 χ^2/NDF: 1481976.7/23

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

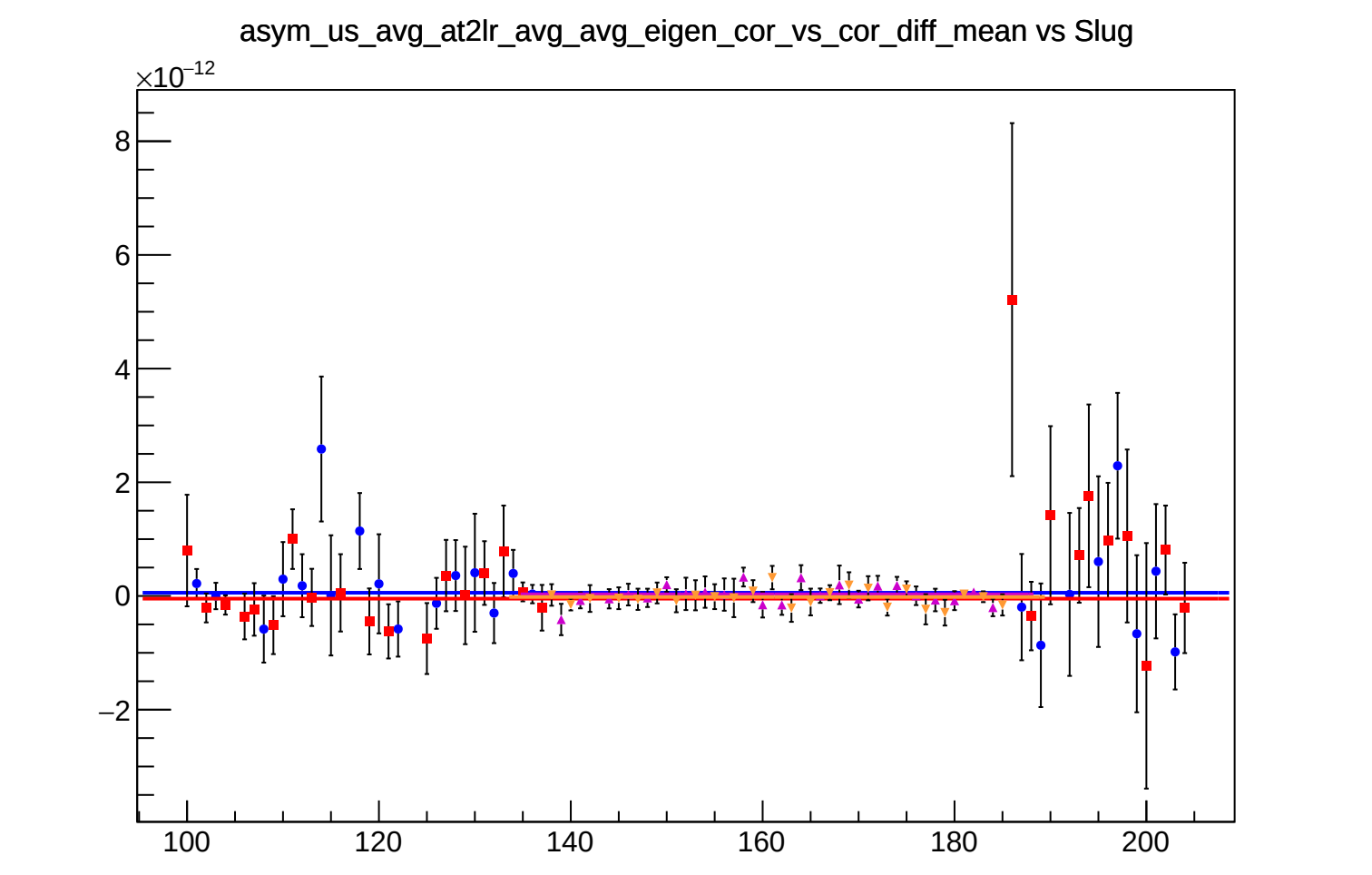
Right Out: 331.652+/-0.067 χ^2/NDF: 3581297.6/27

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 481.270+/-0.066 χ^2/NDF: 8055222.8/47

All: 443.259+/-0.043 χ^2/NDF: 20470907.1/98

- sign 414.252+/-0.058 χ^2/NDF: 11832562.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/23

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

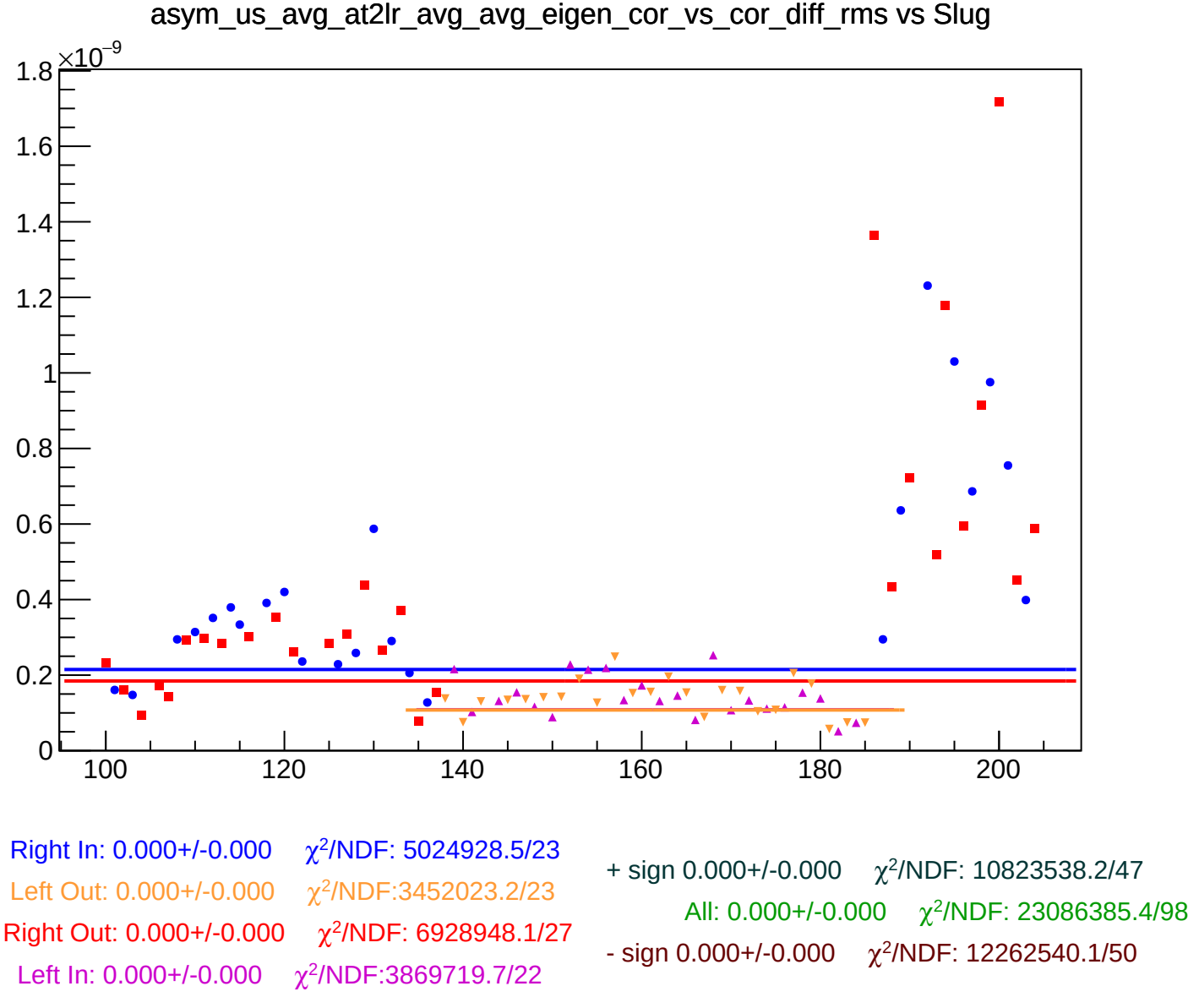
Right Out: -0.000+/-0.000 χ^2/NDF: 22.4/27

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

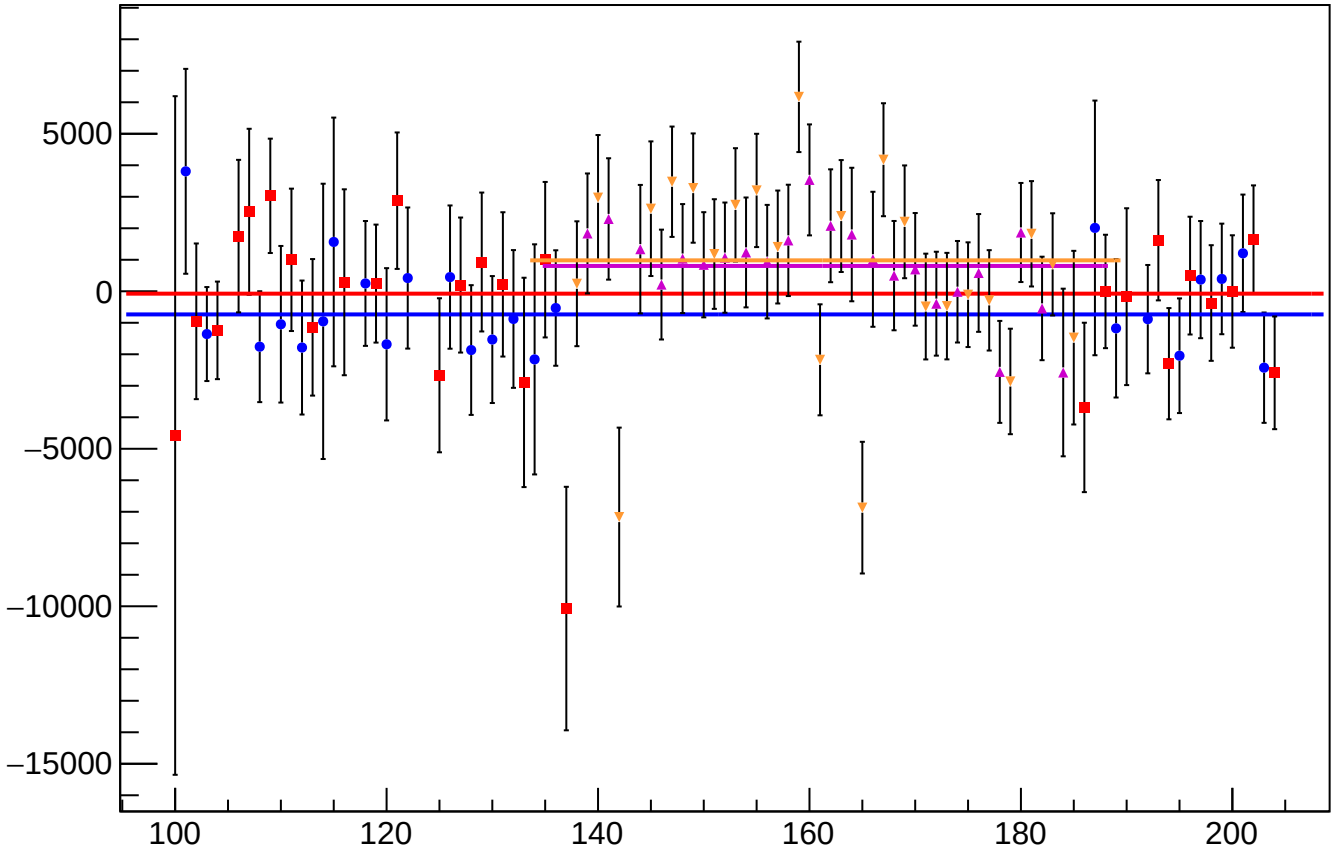
+ sign -0.000+/-0.000 χ^2/NDF: 32.3/47

All: 0.000+/-0.000 χ^2/NDF: 73.7/98

- sign 0.000+/-0.000 χ^2/NDF: 41.0/50


asym_us_avg_at2lr_avg_avg_eigen_cor_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: 5024928.5/23
Left Out: 0.000+/-0.000 χ²/NDF:3452023.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 6928948.1/27
Left In: 0.000+/-0.000 χ²/NDF:3869719.7/22
+ sign 0.000+/-0.000 χ²/NDF: 10823538.2/47
All: 0.000+/-0.000 χ²/NDF: 23086385.4/98
- sign 0.000+/-0.000 χ²/NDF: 12262540.1/50

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -734.530+/-430.965 χ^2/NDF: 8.4/23

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -75.742+/-406.636 χ^2/NDF: 23.9/27

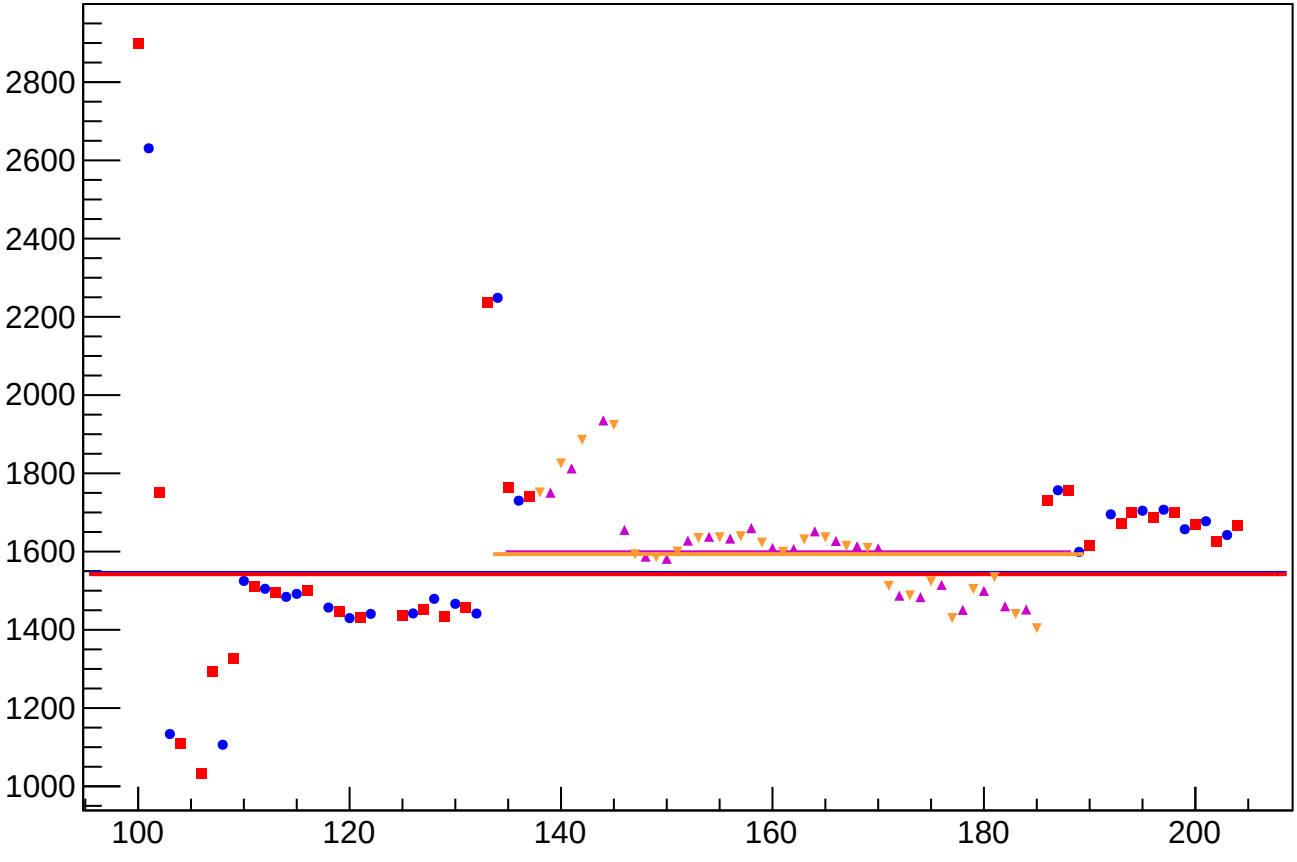
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

+ sign 251.512+/-281.099 χ^2/NDF: 73.1/47

All: 327.669+/-196.685 χ^2/NDF: 112.2/98

- sign 400.717+/-275.300 χ^2/NDF: 38.9/50

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1545.384+/-0.305 χ^2/NDF: 698826.0/23

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

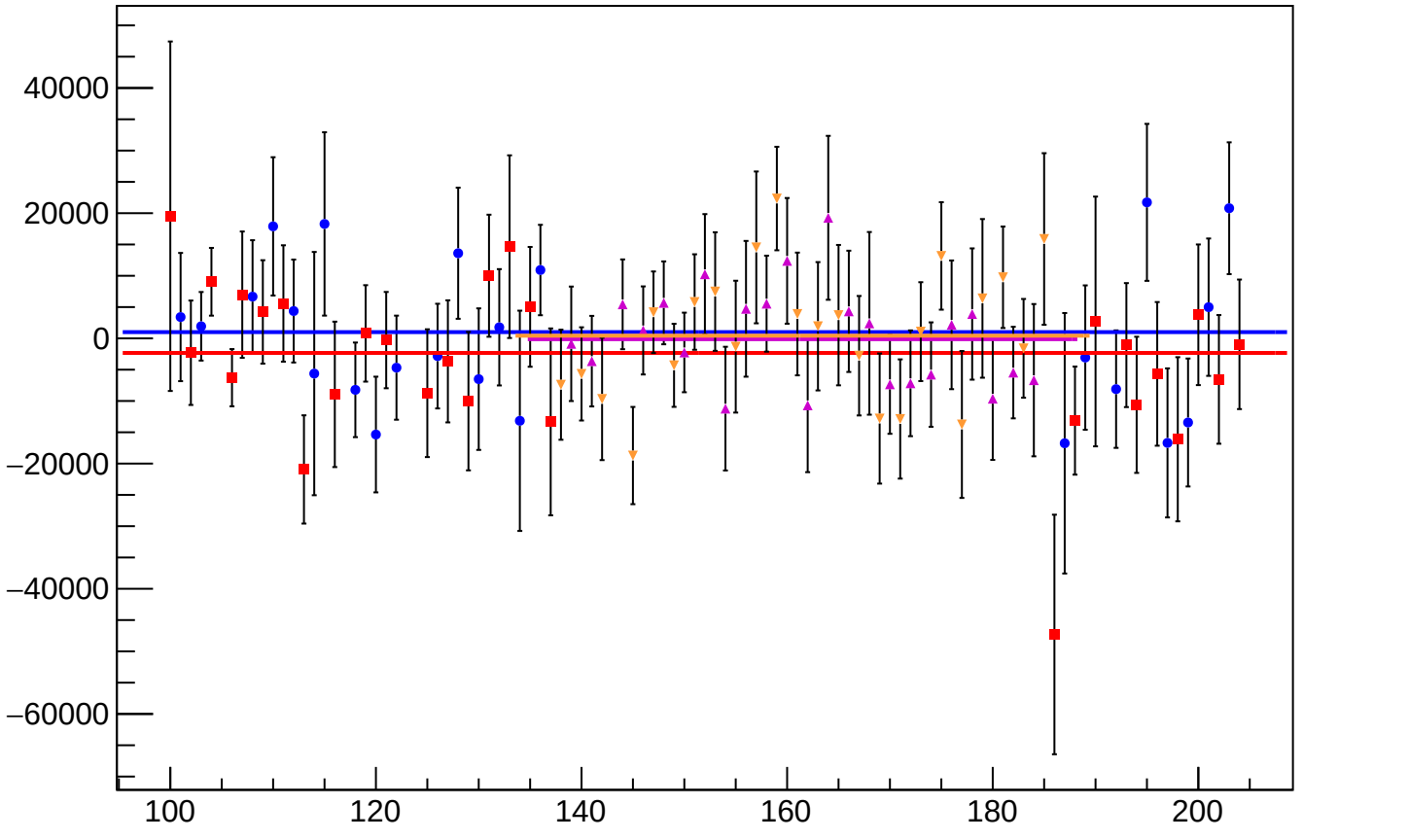
Right Out: 1542.159+/-0.286 χ^2/NDF: 613938.7/27

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1573.019+/-0.199 χ^2/NDF: 900753.0/47

All: 1572.680+/-0.139 χ^2/NDF: 1704461.7/98

- sign 1572.356+/-0.194 χ^2/NDF: 803703.1/50



Right In: 1001.266+/-1976.782 χ^2/NDF: 26.6/23

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: -2326.797+/-1755.217 χ^2/NDF: 27.6/27

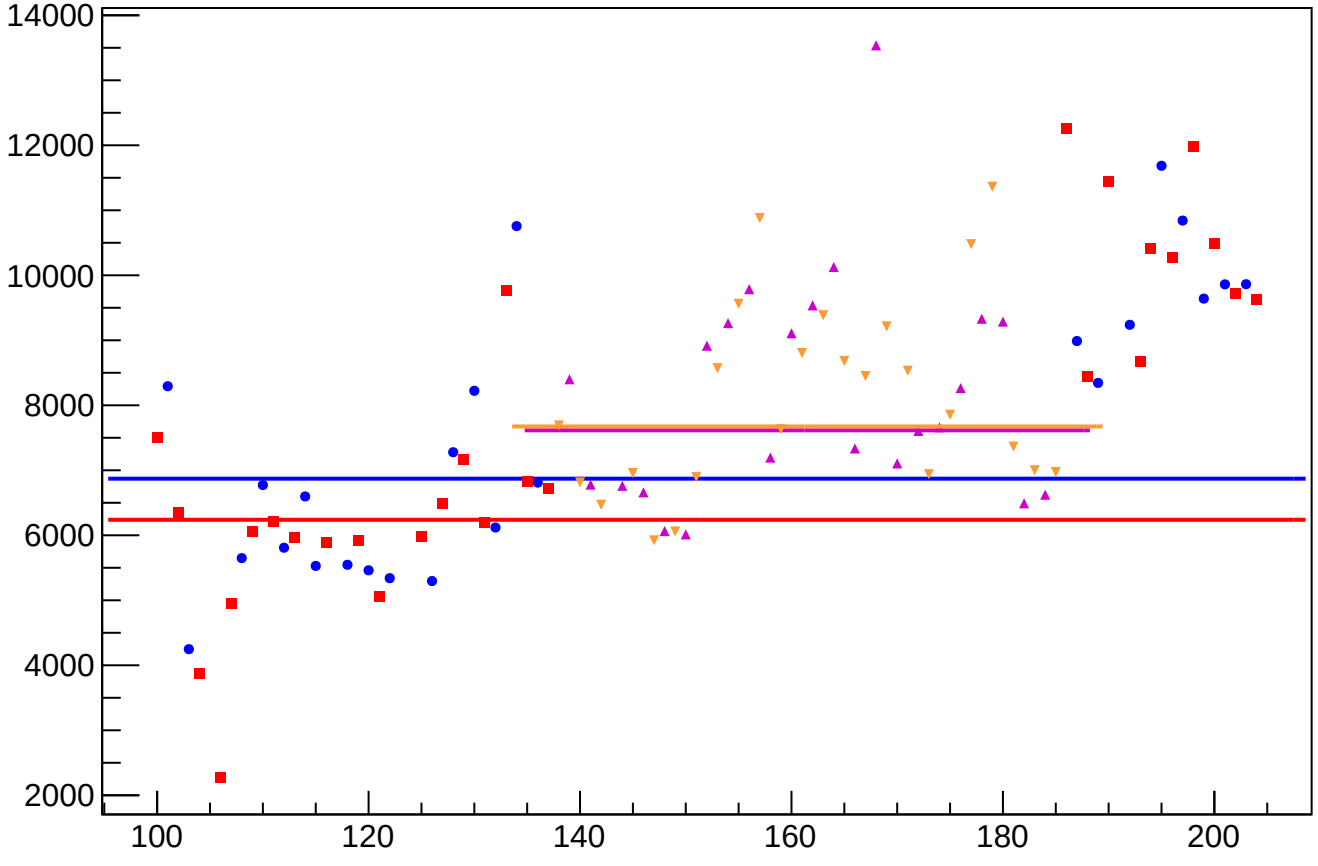
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 690.279+/-1338.887 χ^2/NDF: 56.1/47

All: -344.471+/-918.222 χ^2/NDF: 99.4/98

- sign -1263.316+/-1261.674 χ^2/NDF: 42.2/50

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 6871.080+/-1.398 χ^2/NDF: 2128527.4/23

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6238.682+/-1.241 χ^2/NDF: 4363592.2/27

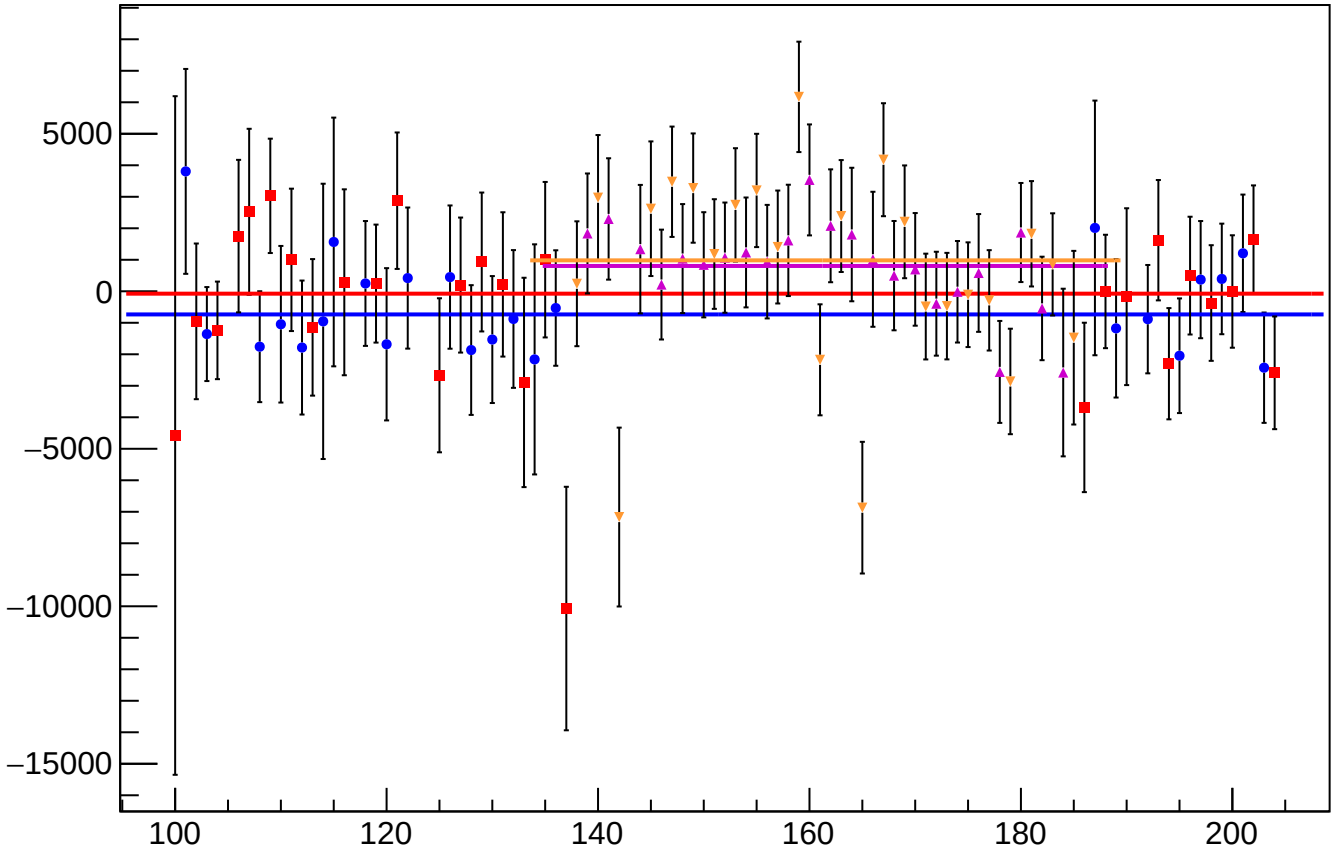
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7305.698+/-0.947 χ^2/NDF: 3383859.0/47

All: 7092.855+/-0.649 χ^2/NDF: 9661704.4/98

- sign 6903.853+/-0.892 χ^2/NDF: 6182420.7/50

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -734.597+/-430.965 χ^2/NDF: 8.4/23

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -75.796+/-406.636 χ^2/NDF: 23.9/27

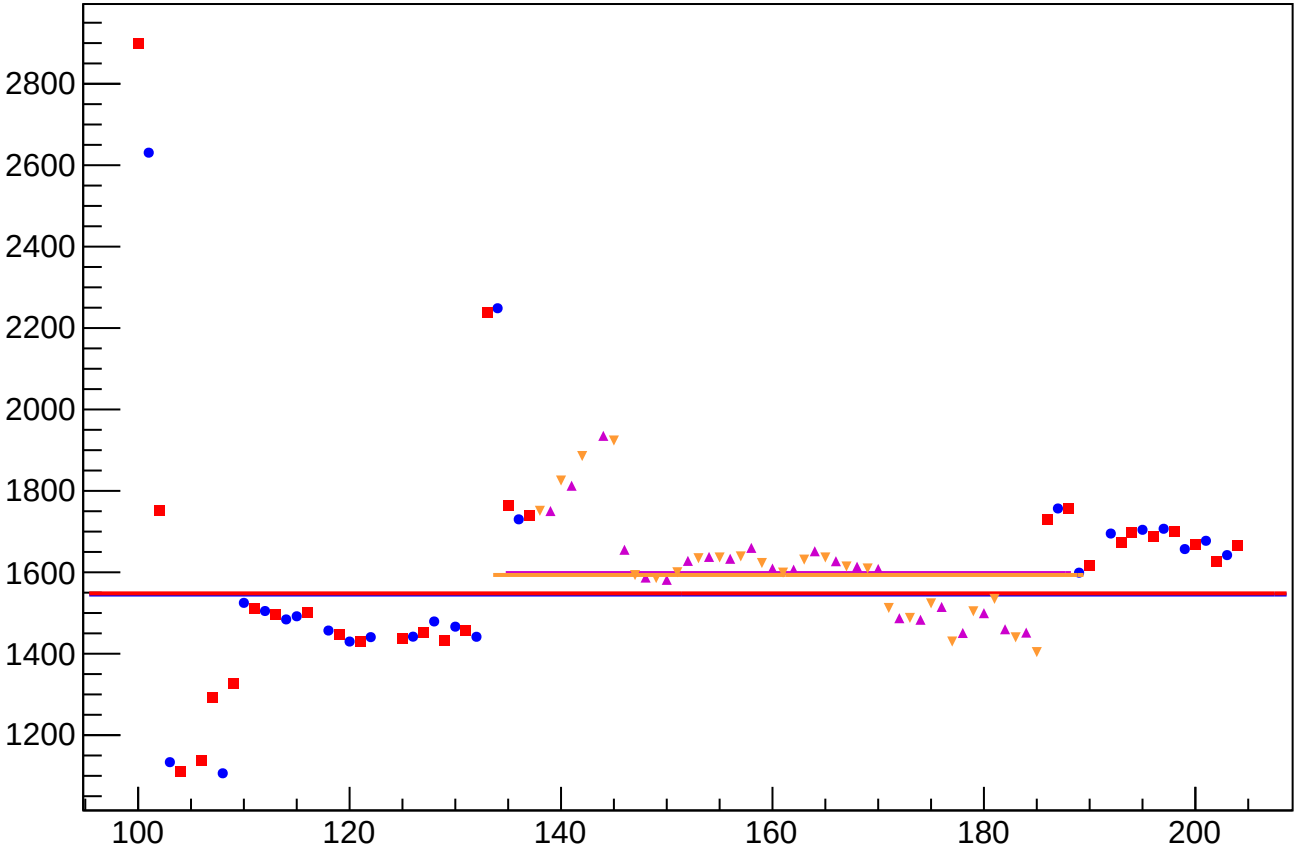
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 251.532+/-281.099 χ^2/NDF: 73.1/47

All: 327.632+/-196.685 χ^2/NDF: 112.2/98

- sign 400.625+/-275.300 χ^2/NDF: 38.9/50

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1545.384+/-0.305 χ^2/NDF: 698826.4/23

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

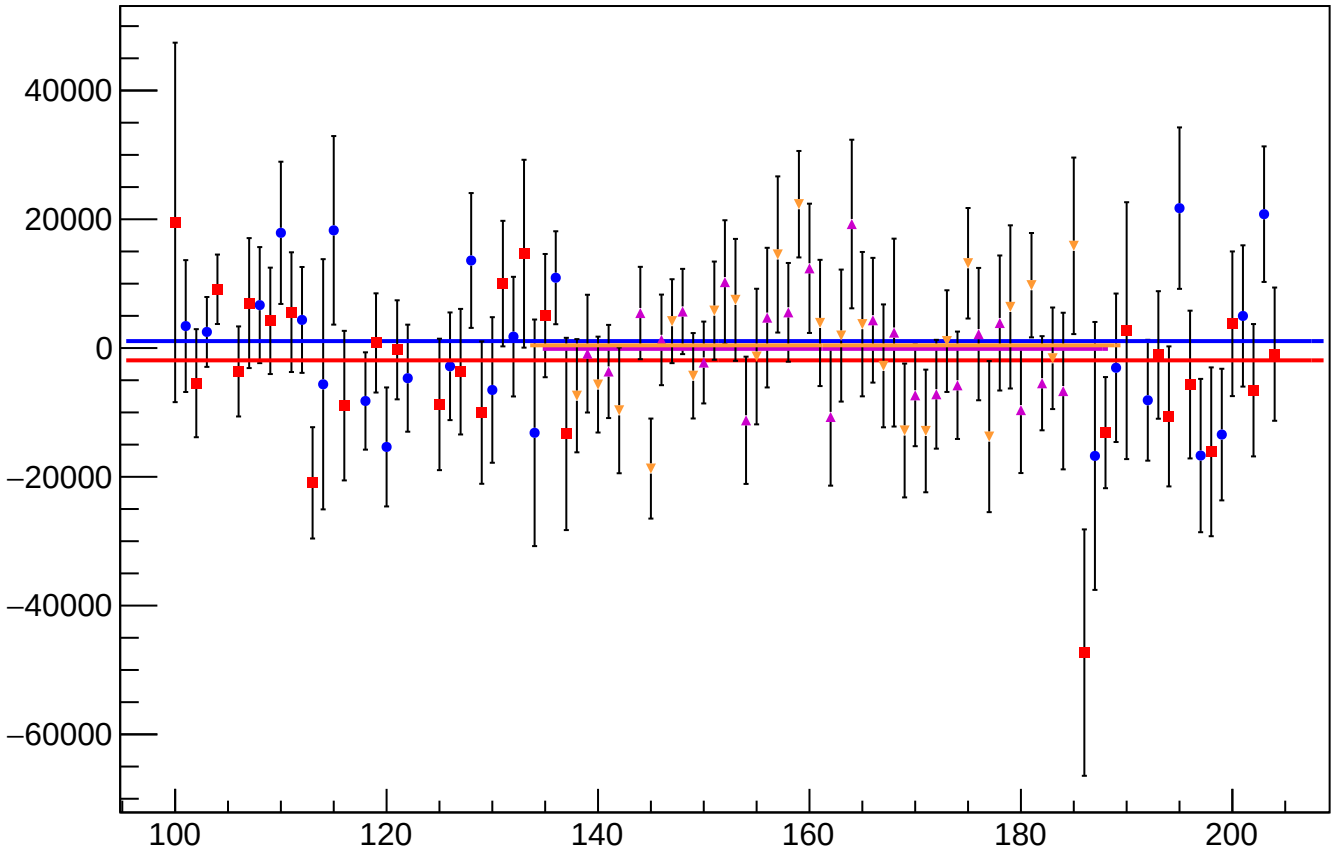
Right Out: 1548.226+/-0.287 χ^2/NDF: 560462.7/27

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1573.019+/-0.199 χ^2/NDF: 900753.4/47

All: 1574.143+/-0.139 χ^2/NDF: 1646766.9/98

- sign 1575.219+/-0.195 χ^2/NDF: 745950.9/50



Right In: 1079.439+/-1974.285 χ^2/NDF: 26.7/23

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

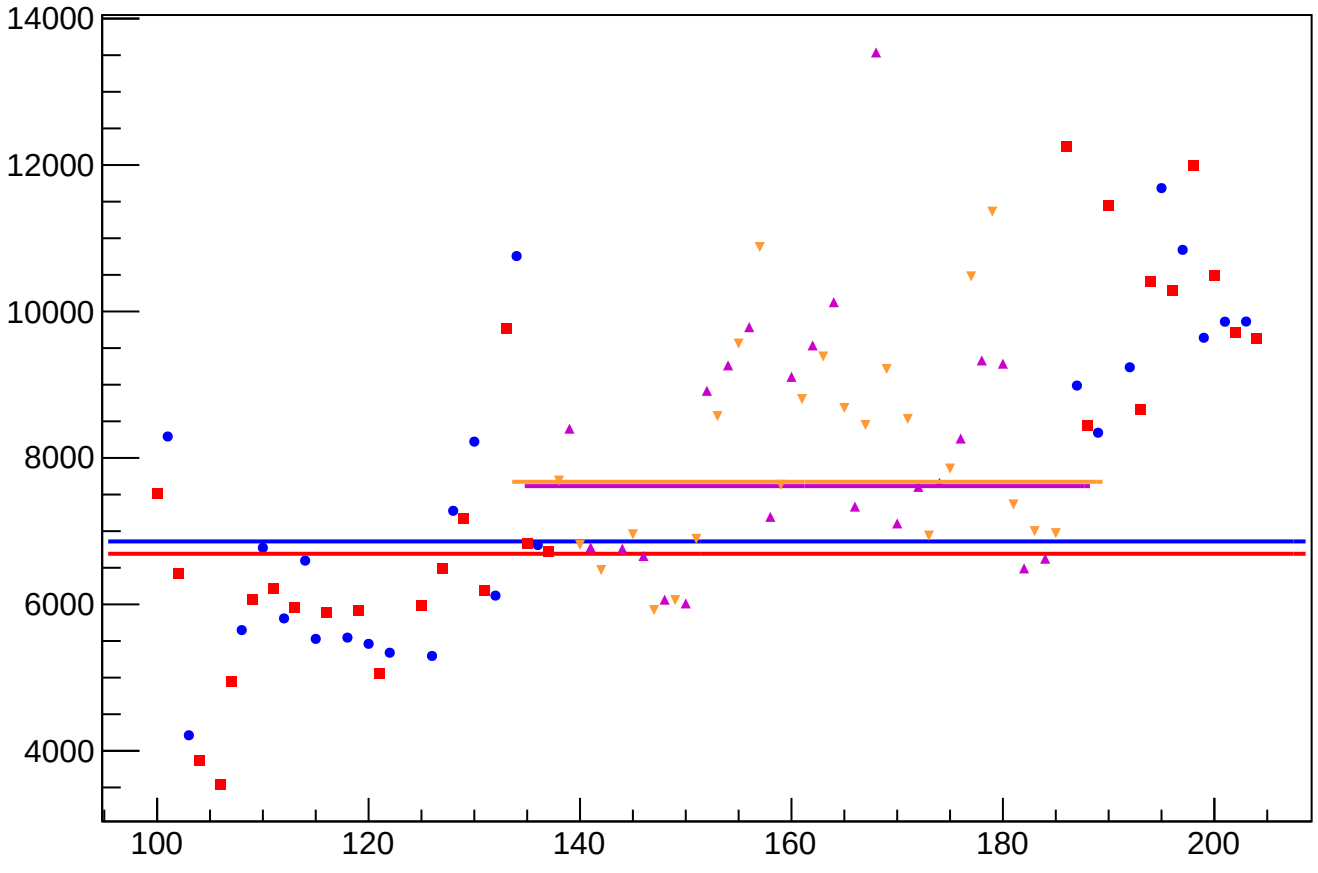
Right Out: -1912.045+/-1834.185 χ^2/NDF: 27.1/27

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 726.551+/-1338.110 χ^2/NDF: 56.1/47

All: -173.323+/-928.735 χ^2/NDF: 98.4/98

- sign -1009.738+/-1290.067 χ^2/NDF: 41.4/50



Right In: 6859.720+/-1.396 χ^2/NDF: 2150141.1/23

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

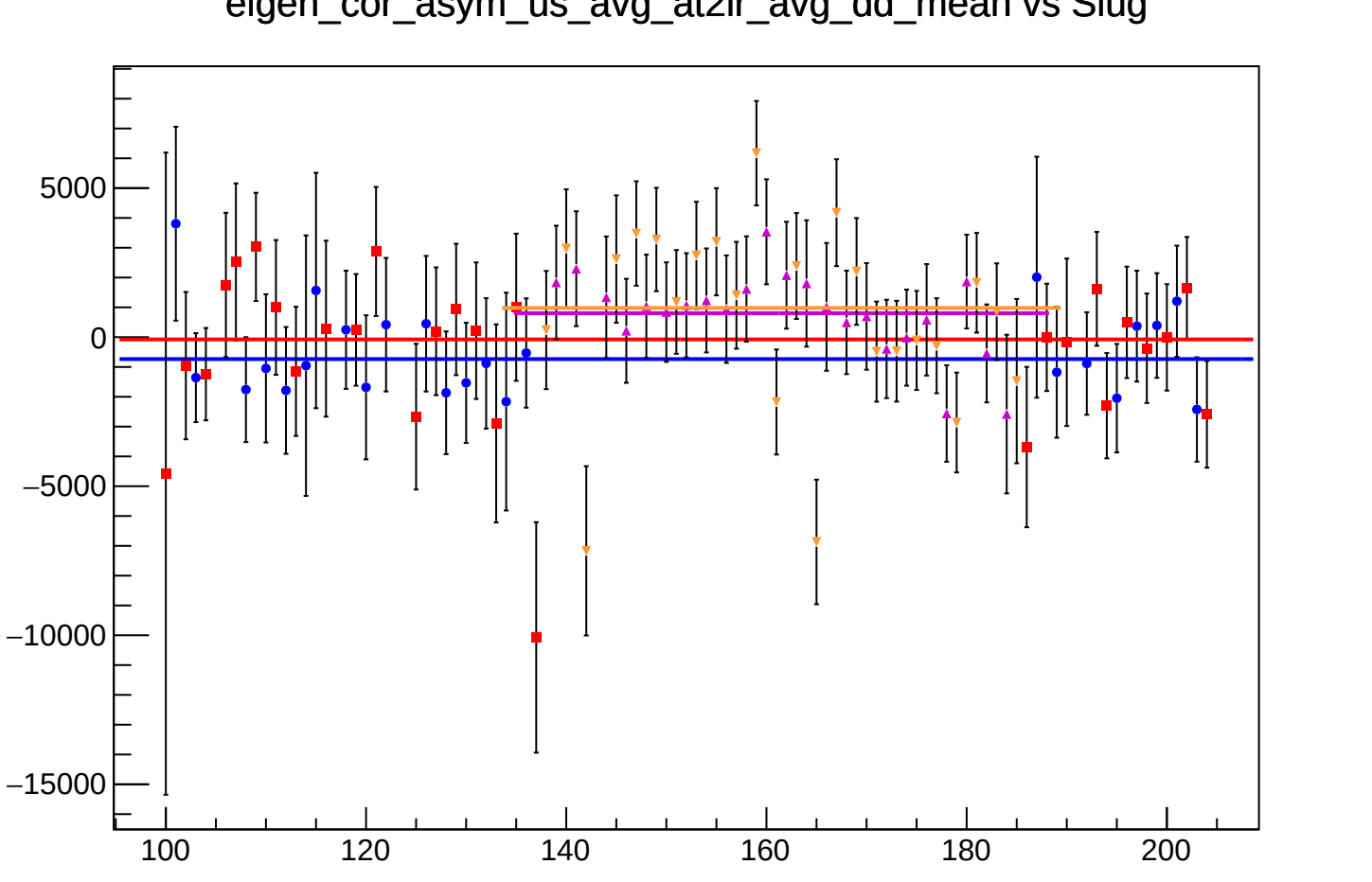
Right Out: 6691.201+/-1.297 χ^2/NDF: 3040748.6/27

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7299.977+/-0.946 χ^2/NDF: 3410813.7/47

All: 7226.385+/-0.657 χ^2/NDF: 7944101.1/98

- sign 7157.983+/-0.912 χ^2/NDF: 4521615.3/50



Right In: -734.597+/-430.965 χ^2/NDF: 8.4/23

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -75.796+/-406.636 χ^2/NDF: 23.9/27

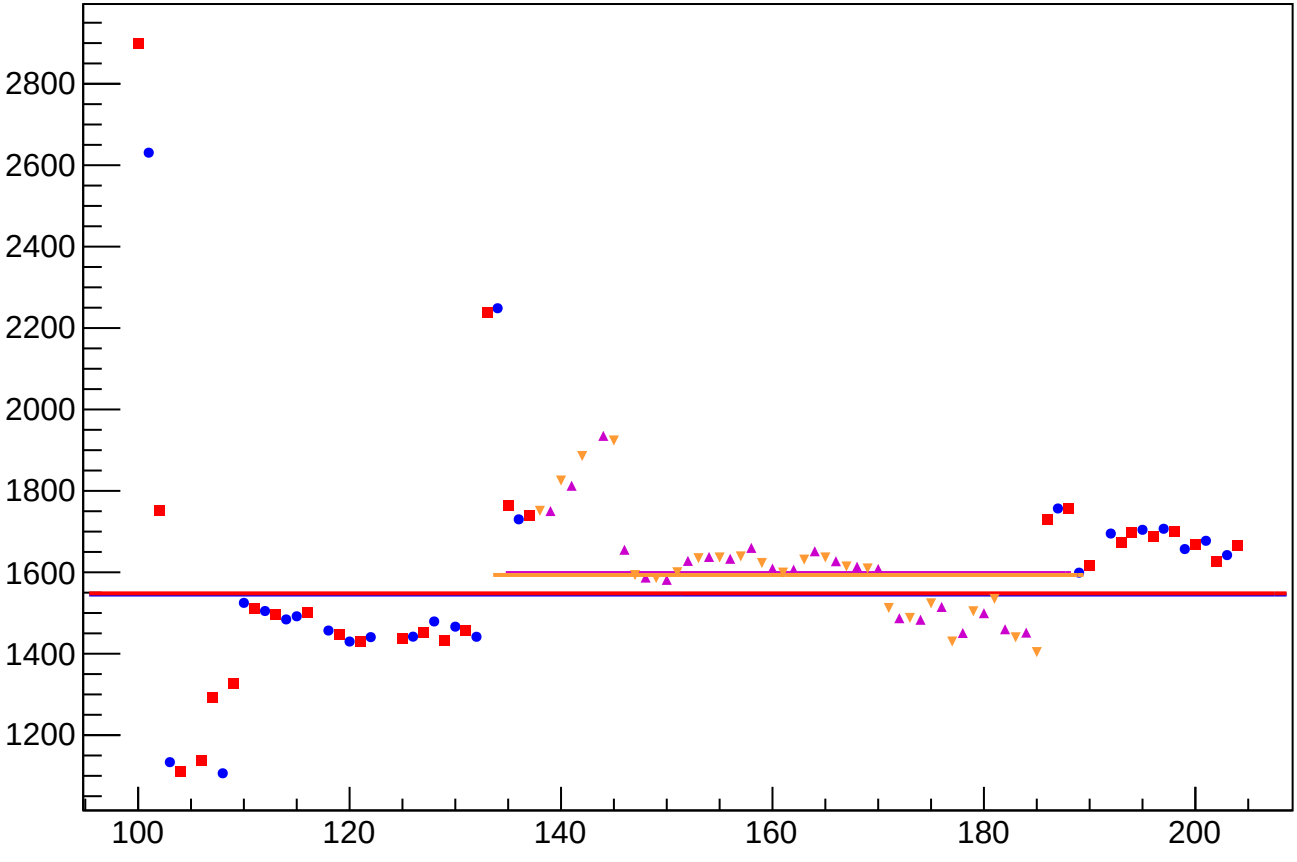
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 251.532+/-281.099 χ^2/NDF: 73.1/47

All: 327.632+/-196.685 χ^2/NDF: 112.2/98

- sign 400.625+/-275.300 χ^2/NDF: 38.9/50

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1545.384+/-0.305 χ^2/NDF: 698826.4/23

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

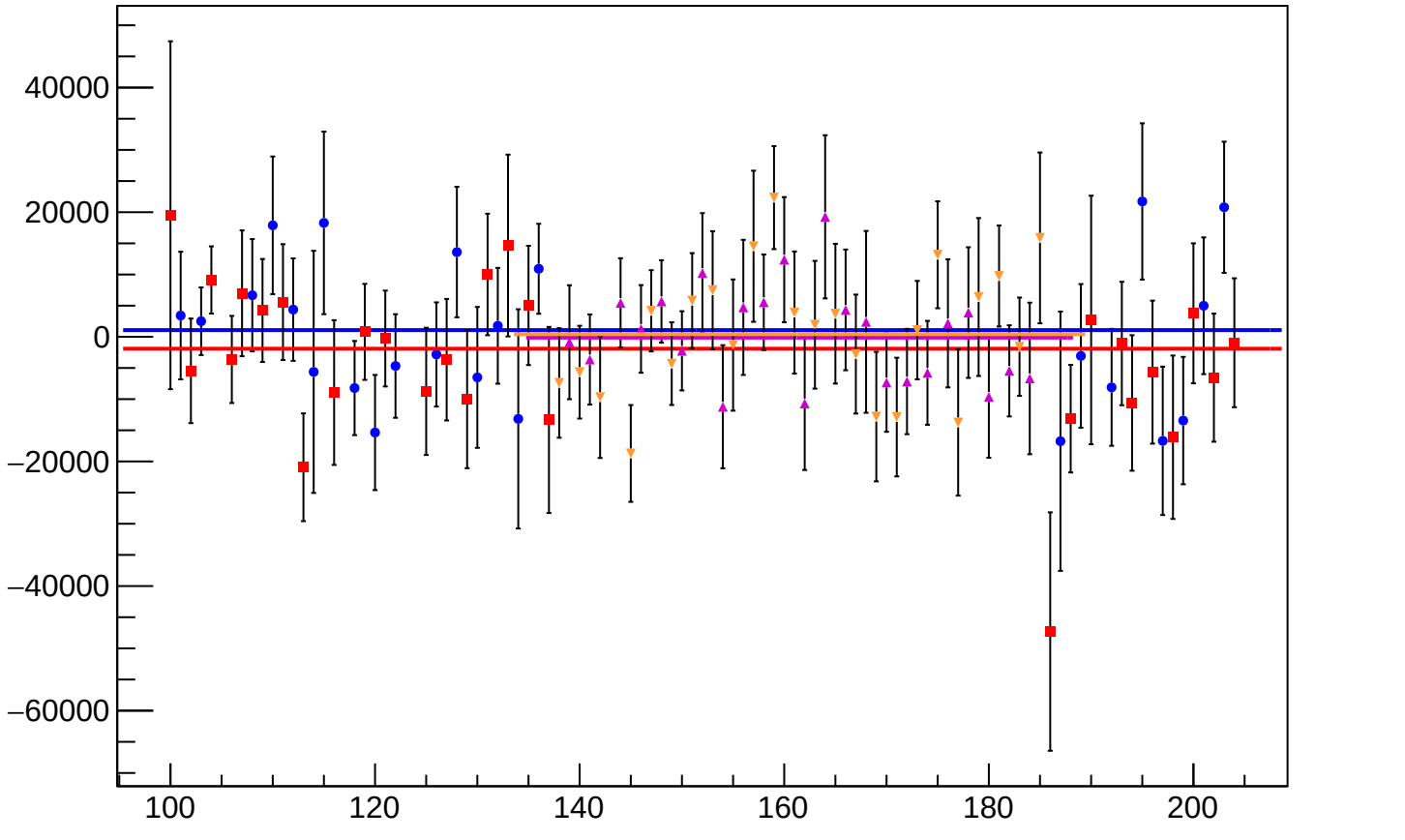
Right Out: 1548.226+/-0.287 χ^2/NDF: 560462.7/27

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1573.019+/-0.199 χ^2/NDF: 900753.4/47

All: 1574.143+/-0.139 χ^2/NDF: 1646766.9/98

- sign 1575.219+/-0.195 χ^2/NDF: 745950.9/50



Right In: 1079.439+/-1974.285 χ^2/NDF: 26.7/23

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

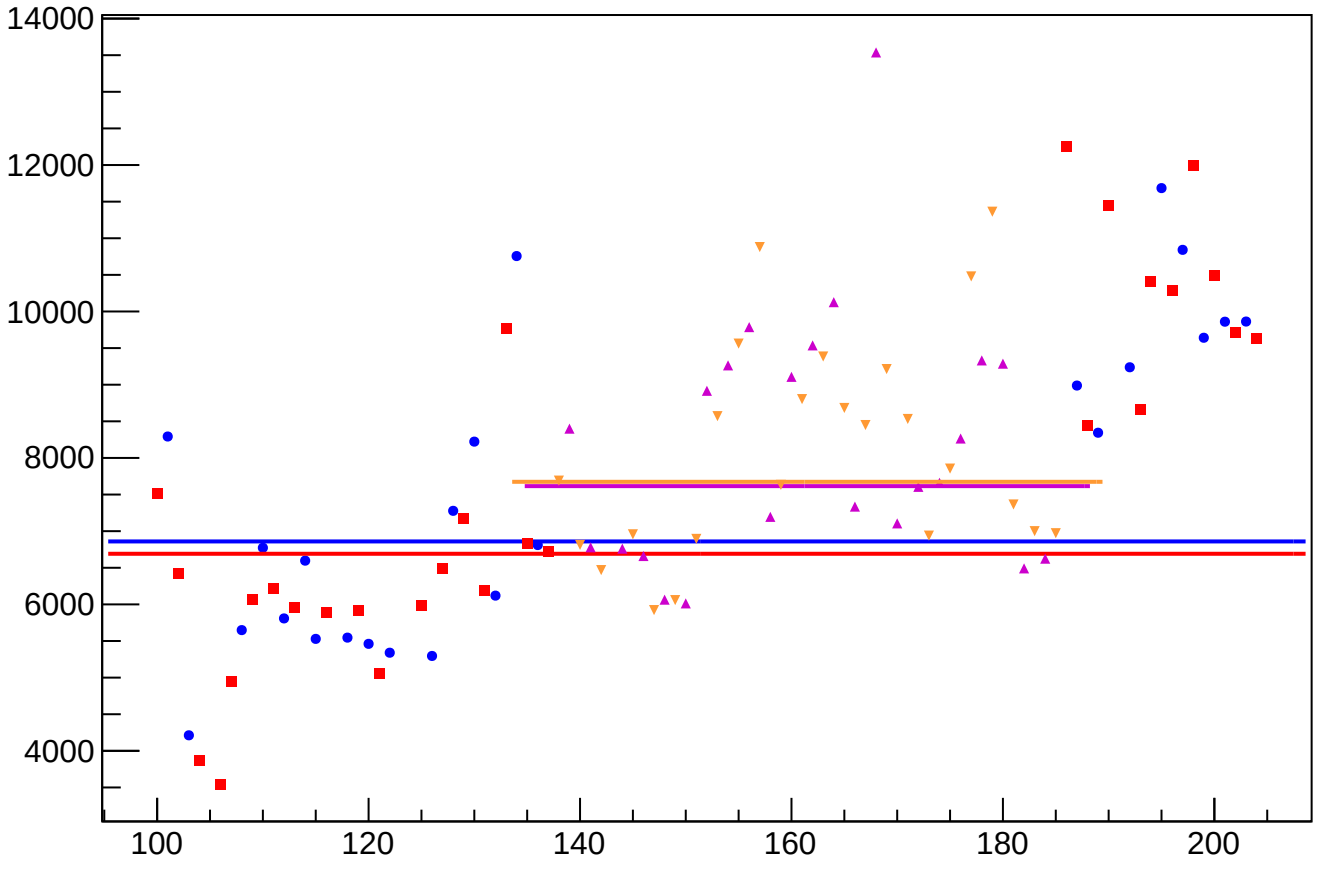
Right Out: -1912.045+/-1834.185 χ^2/NDF: 27.1/27

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 726.551+/-1338.110 χ^2/NDF: 56.1/47

All: -173.323+/-928.735 χ^2/NDF: 98.4/98

- sign -1009.738+/-1290.067 χ^2/NDF: 41.4/50



Right In: 6859.720+/-1.396 χ^2/NDF: 2150141.1/23

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6691.201+/-1.297 χ^2/NDF: 3040748.6/27

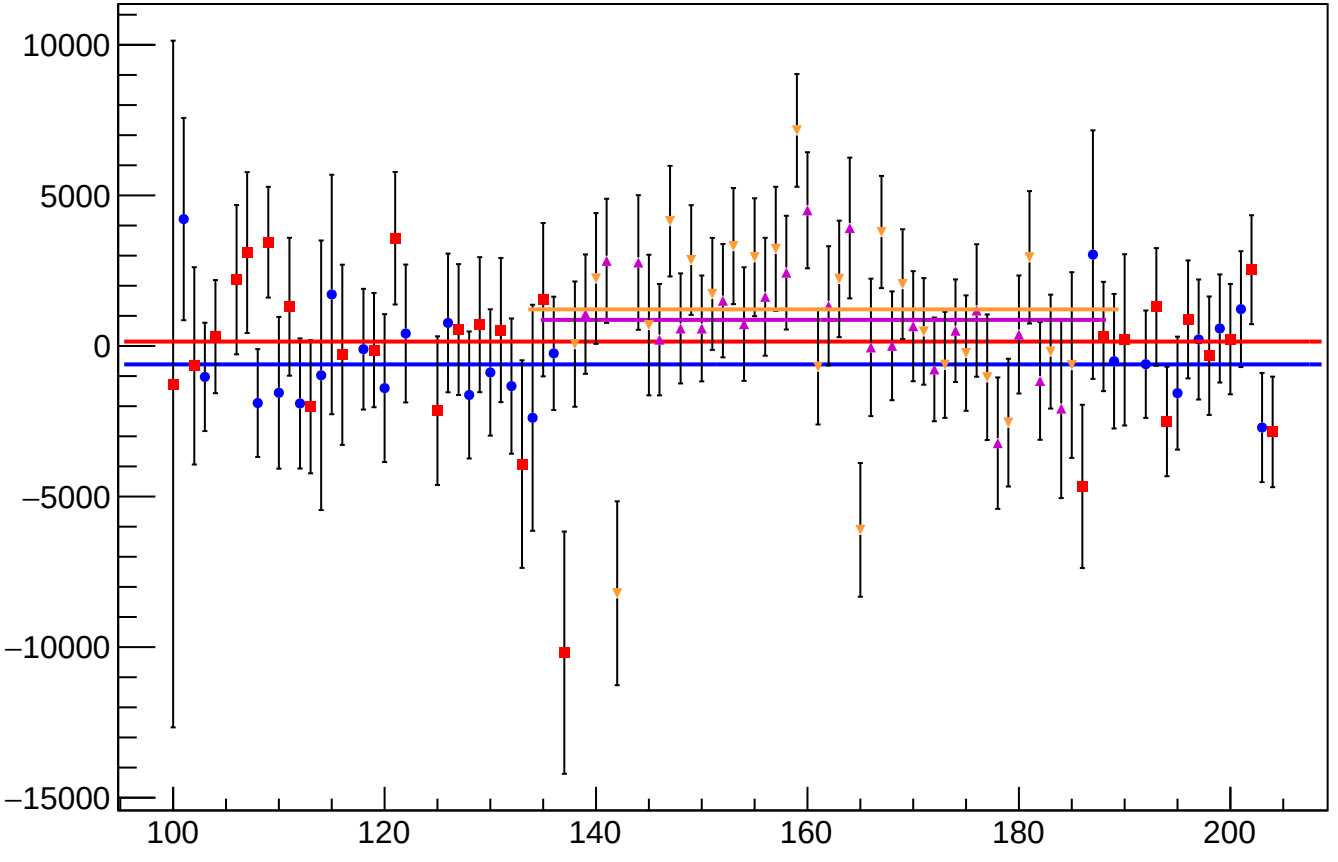
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7299.977+/-0.946 χ^2/NDF: 3410813.7/47

All: 7226.385+/-0.657 χ^2/NDF: 7944101.1/98

- sign 7157.983+/-0.912 χ^2/NDF: 4521615.3/50

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -611.549+/-447.813 χ^2/NDF: 8.7/23

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 146.483+/-423.698 χ^2/NDF: 28.4/27

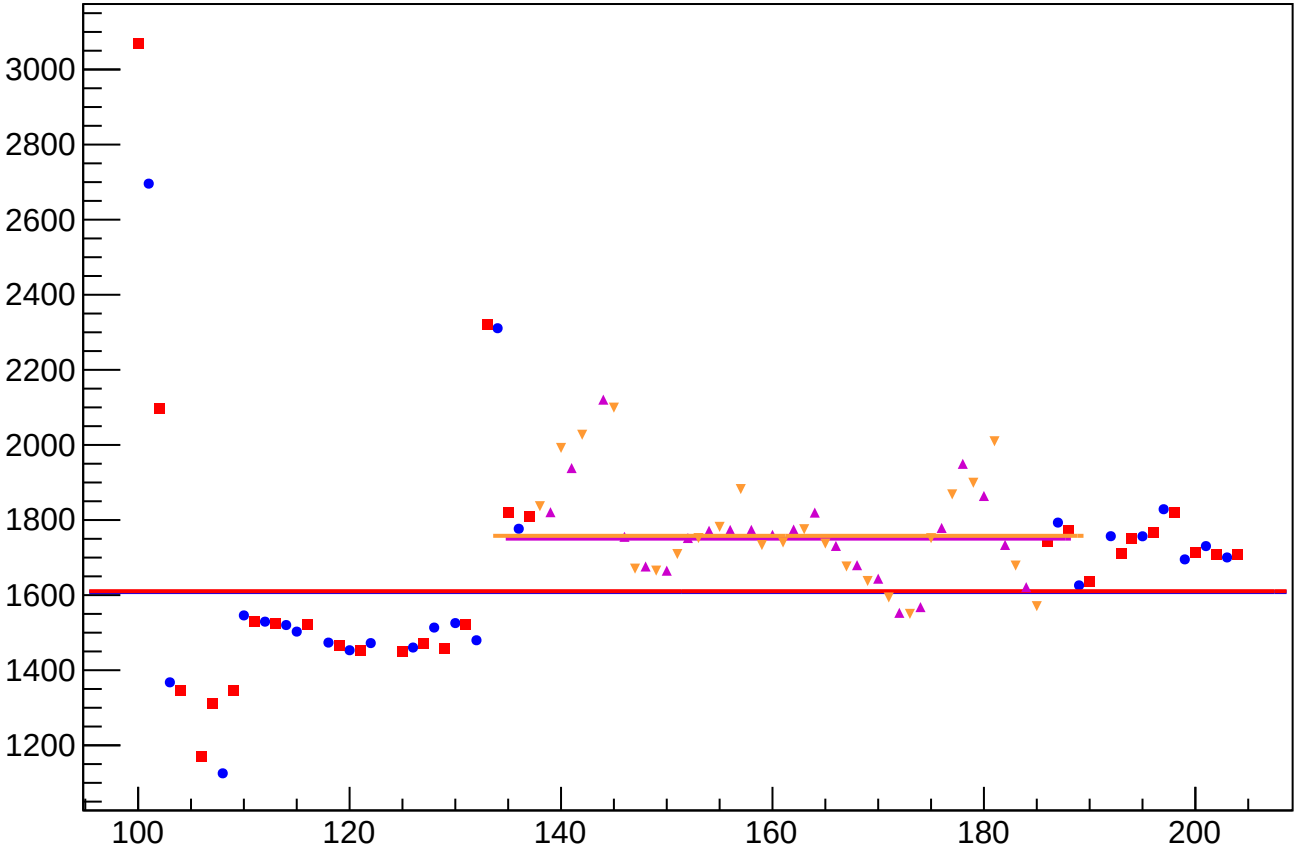
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 383.195+/-302.233 χ^2/NDF: 66.2/47

All: 452.329+/-210.979 χ^2/NDF: 111.4/98

- sign 518.038+/-294.652 χ^2/NDF: 45.0/50

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1608.130+/-0.317 χ^2/NDF: 602281.8/23

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

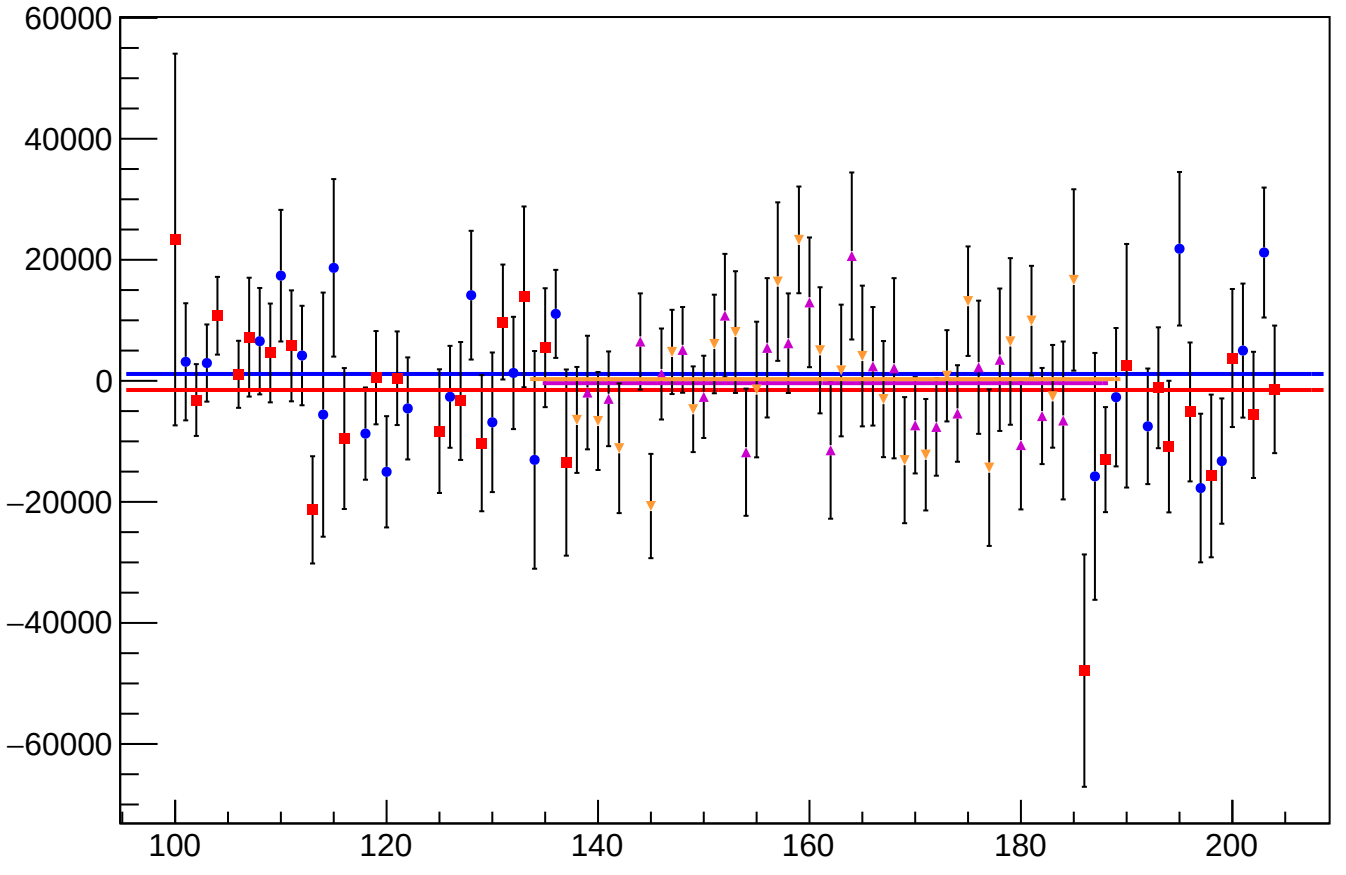
Right Out: 1610.490+/-0.300 χ^2/NDF: 499366.3/27

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1689.715+/-0.214 χ^2/NDF: 937481.8/47

All: 1686.152+/-0.149 χ^2/NDF: 1722033.0/98

- sign 1682.766+/-0.208 χ^2/NDF: 784009.0/50



Right In: 1135.569+/-2016.969 χ^2/NDF: 26.5/23

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

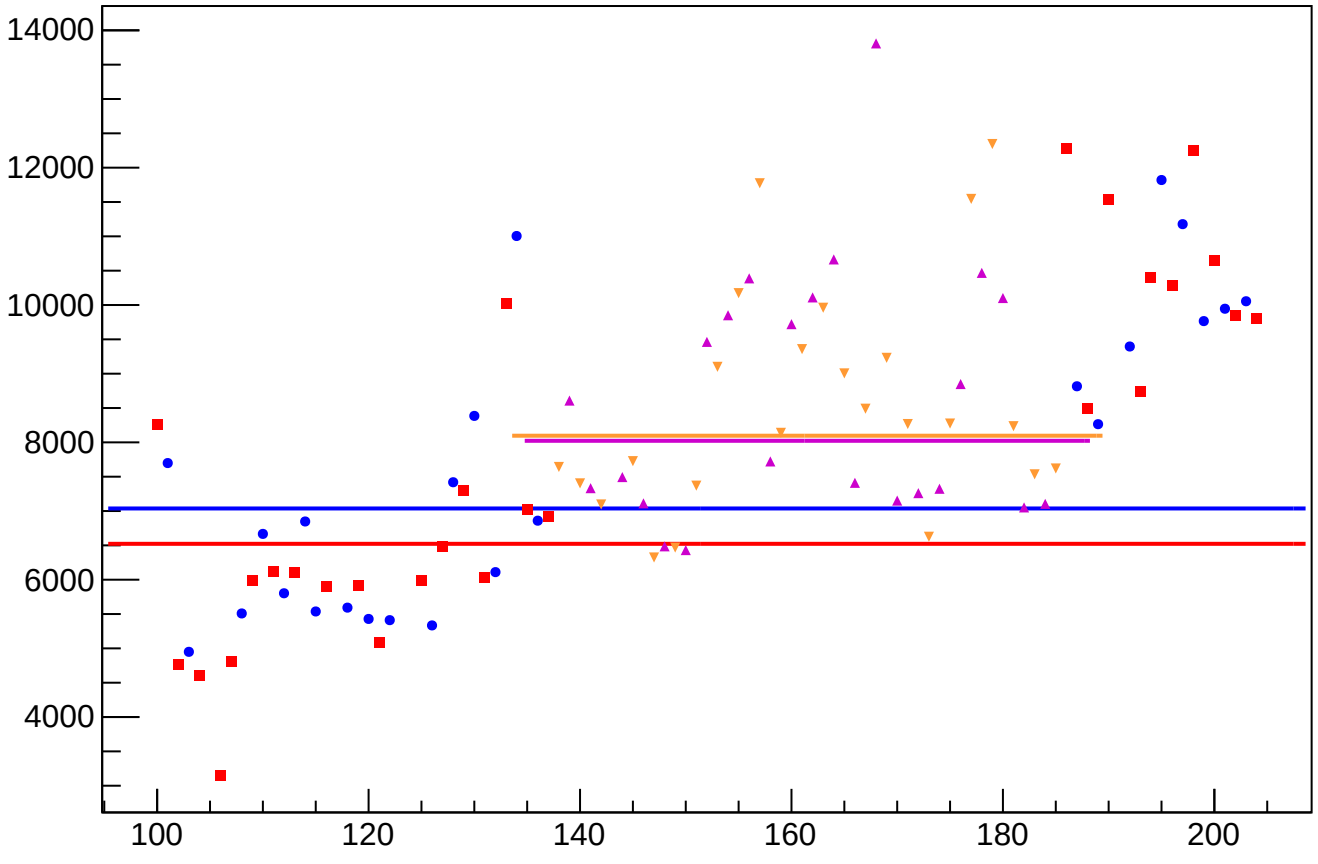
Right Out: -1511.212+/-1791.953 χ^2/NDF: 26.8/27

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 689.338+/-1390.714 χ^2/NDF: 55.2/47

All: -198.602+/-952.643 χ^2/NDF: 96.6/98

- sign -983.588+/-1307.606 χ^2/NDF: 40.6/50



Right In: 7037.203+/-1.426 χ^2/NDF: 1897260.4/23

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

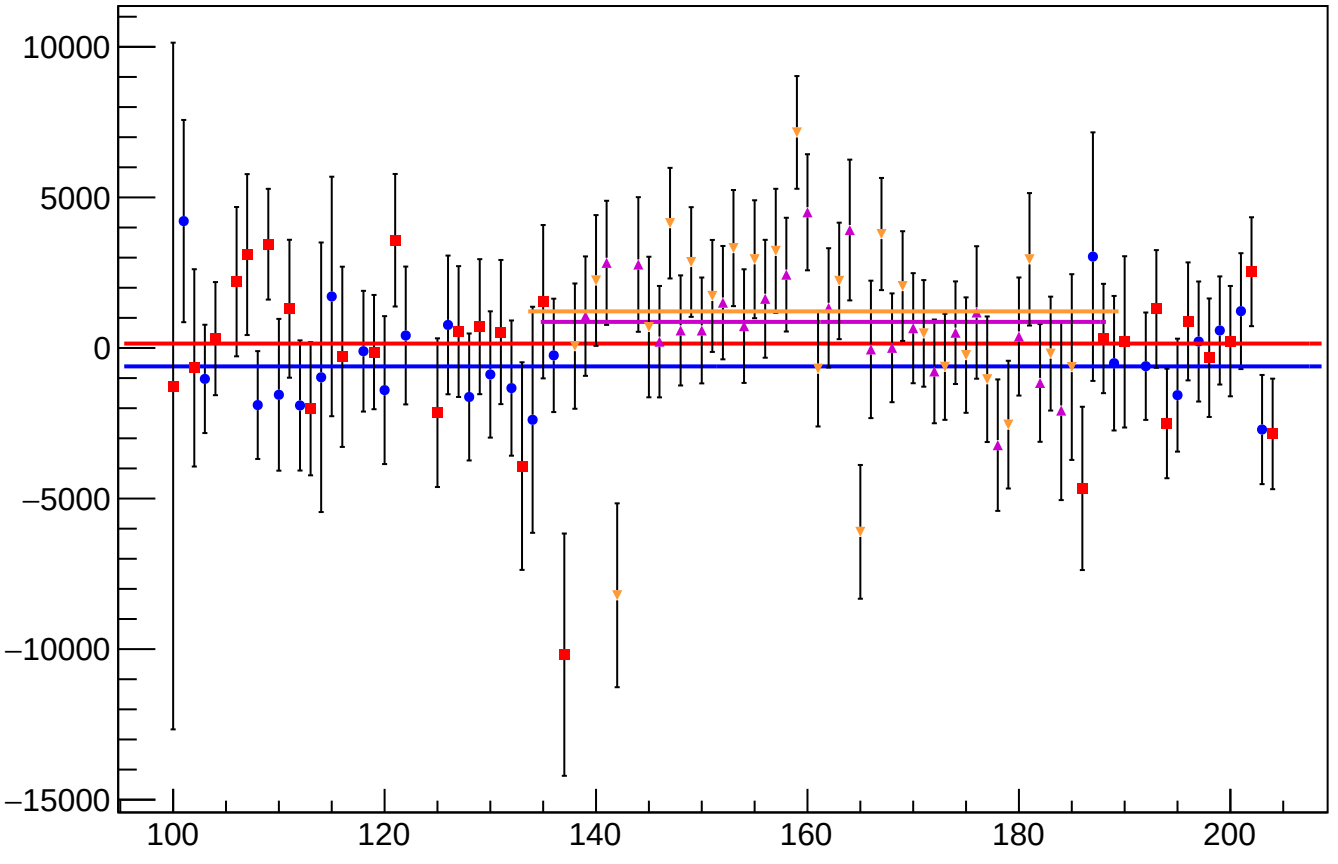
Right Out: 6522.425+/-1.267 χ^2/NDF: 3400027.5/27

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7593.058+/-0.983 χ^2/NDF: 3274613.5/47

All: 7397.094+/-0.674 χ^2/NDF: 8630453.6/98

- sign 7223.851+/-0.925 χ^2/NDF: 5281022.7/50



Right In: -611.546+/-447.813 χ^2/NDF: 8.7/23

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 146.489+/-423.698 χ^2/NDF: 28.4/27

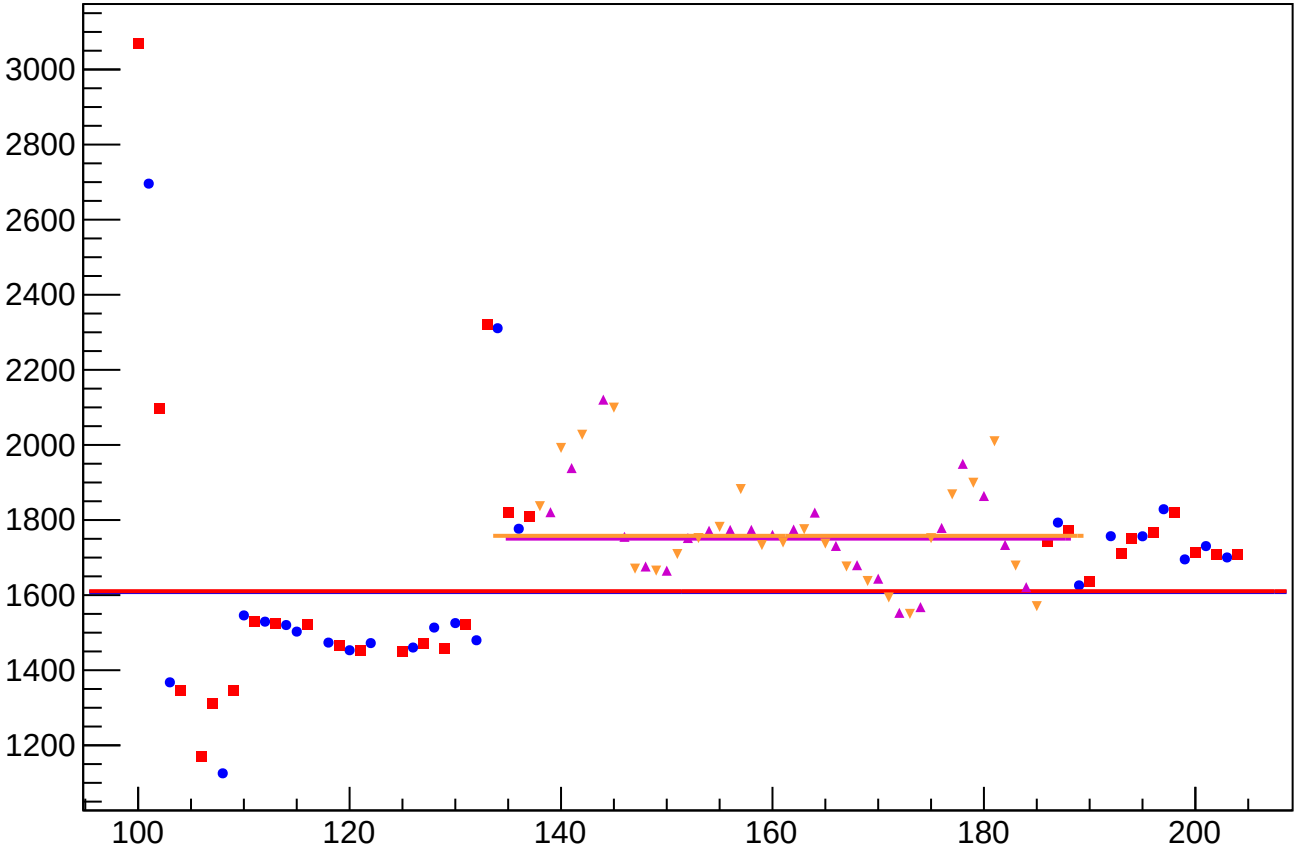
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

+ sign 383.200+/-302.233 χ^2/NDF: 66.2/47

All: 452.332+/-210.980 χ^2/NDF: 111.4/98

- sign 518.040+/-294.652 χ^2/NDF: 45.0/50

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1608.130+/-0.317 χ^2/NDF: 602282.0/23

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

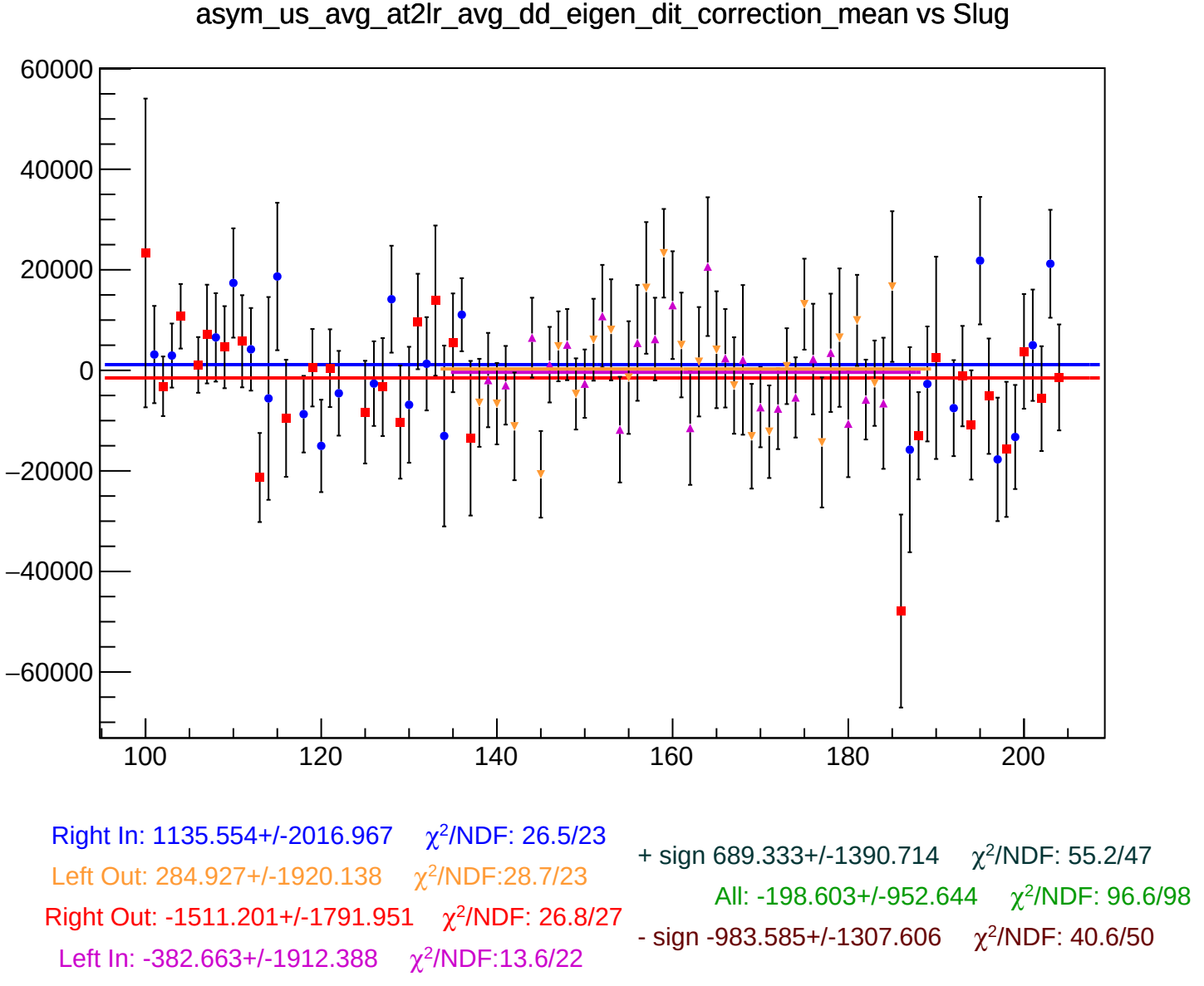
Right Out: 1610.491+/-0.300 χ^2/NDF: 499367.7/27

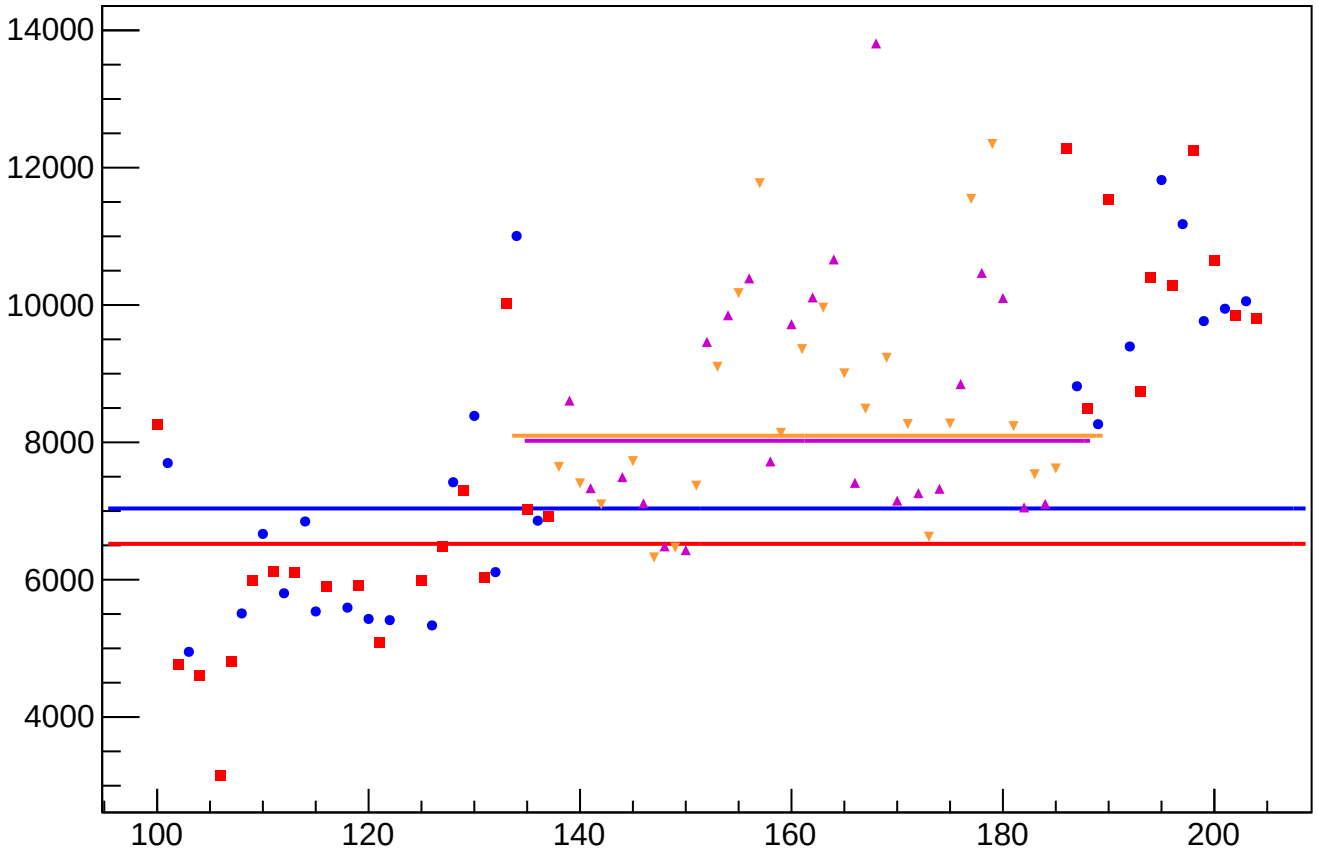
Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1689.716+/-0.214 χ^2/NDF: 937494.3/47

All: 1686.153+/-0.149 χ^2/NDF: 1722058.5/98

- sign 1682.767+/-0.208 χ^2/NDF: 784022.1/50


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug
60000
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
Right In: 1135.554+/-2016.967 χ²/NDF: 26.5/23
Left Out: 284.927+/-1920.138 χ²/NDF:28.7/23
Right Out: -1511.201+/-1791.951 χ²/NDF: 26.8/27
Left In: -382.663+/-1912.388 χ²/NDF:13.6/22
+ sign 689.333+/-1390.714 χ²/NDF: 55.2/47
All: -198.603+/-952.644 χ²/NDF: 96.6/98
- sign -983.585+/-1307.606 χ²/NDF: 40.6/50



Right In: 7037.192+/-1.426 χ^2/NDF: 1897281.7/23

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6522.414+/-1.267 χ^2/NDF: 3400049.7/27

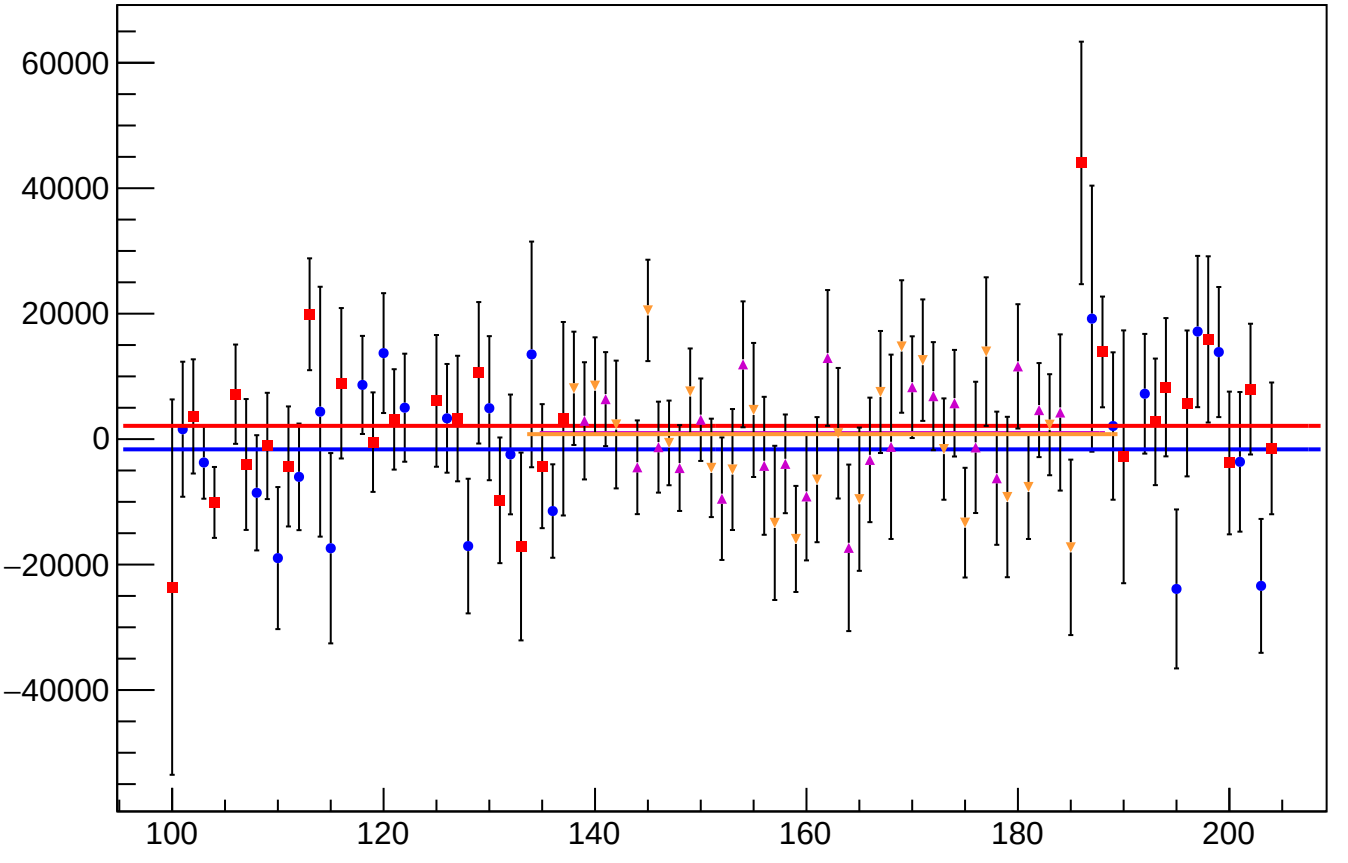
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7593.058+/-0.983 χ^2/NDF: 3274650.4/47

All: 7397.092+/-0.674 χ^2/NDF: 8630537.0/98

- sign 7223.848+/-0.925 χ^2/NDF: 5281068.4/50

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -1632.059+/-2036.437 χ^2/NDF: 28.5/23

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 2115.056+/-1902.085 χ^2/NDF: 24.2/27

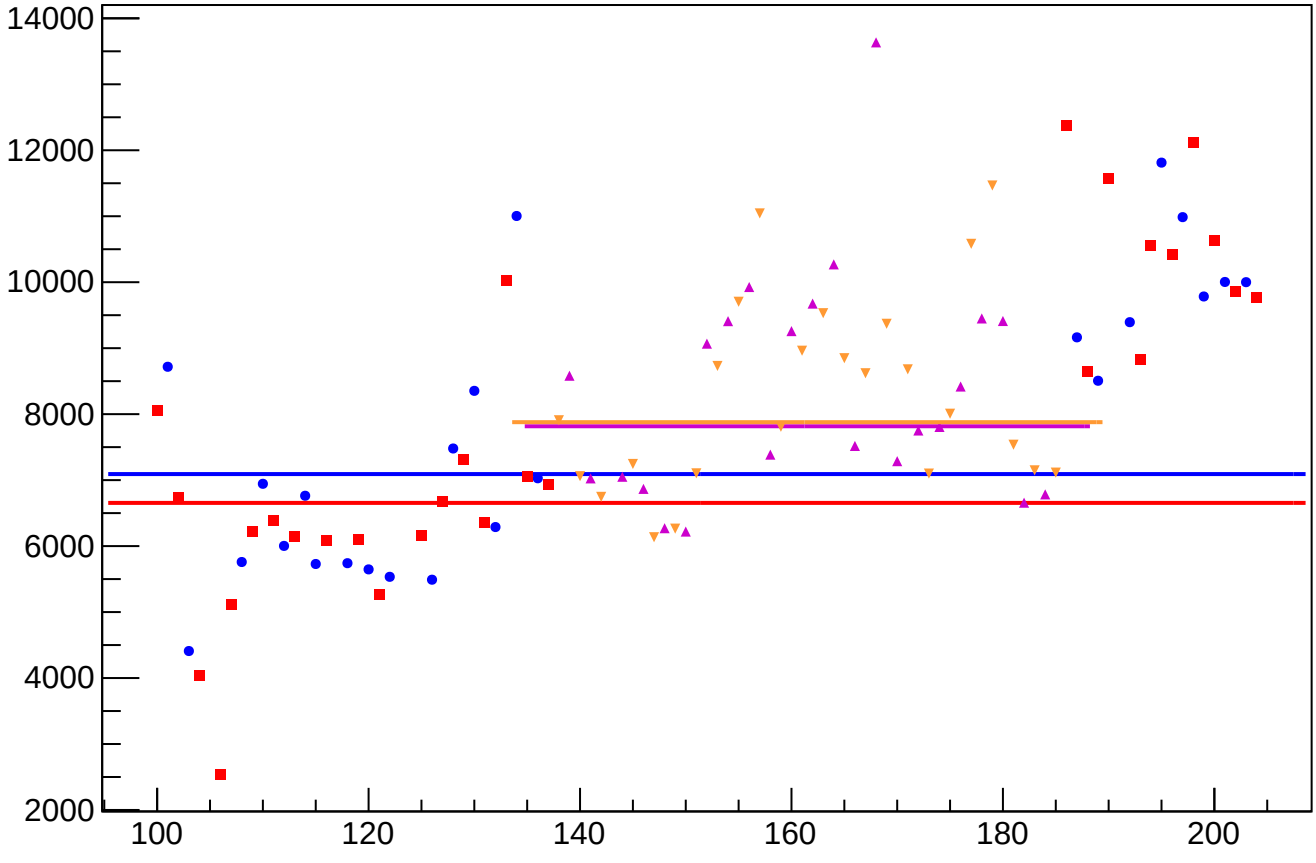
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign -314.189+/-1375.420 χ^2/NDF: 56.5/47

All: 637.232+/-956.040 χ^2/NDF: 94.5/98

- sign 1526.614+/-1329.821 χ^2/NDF: 37.1/50

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 7091.693+/-1.440 χ^2/NDF: 2014773.7/23

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

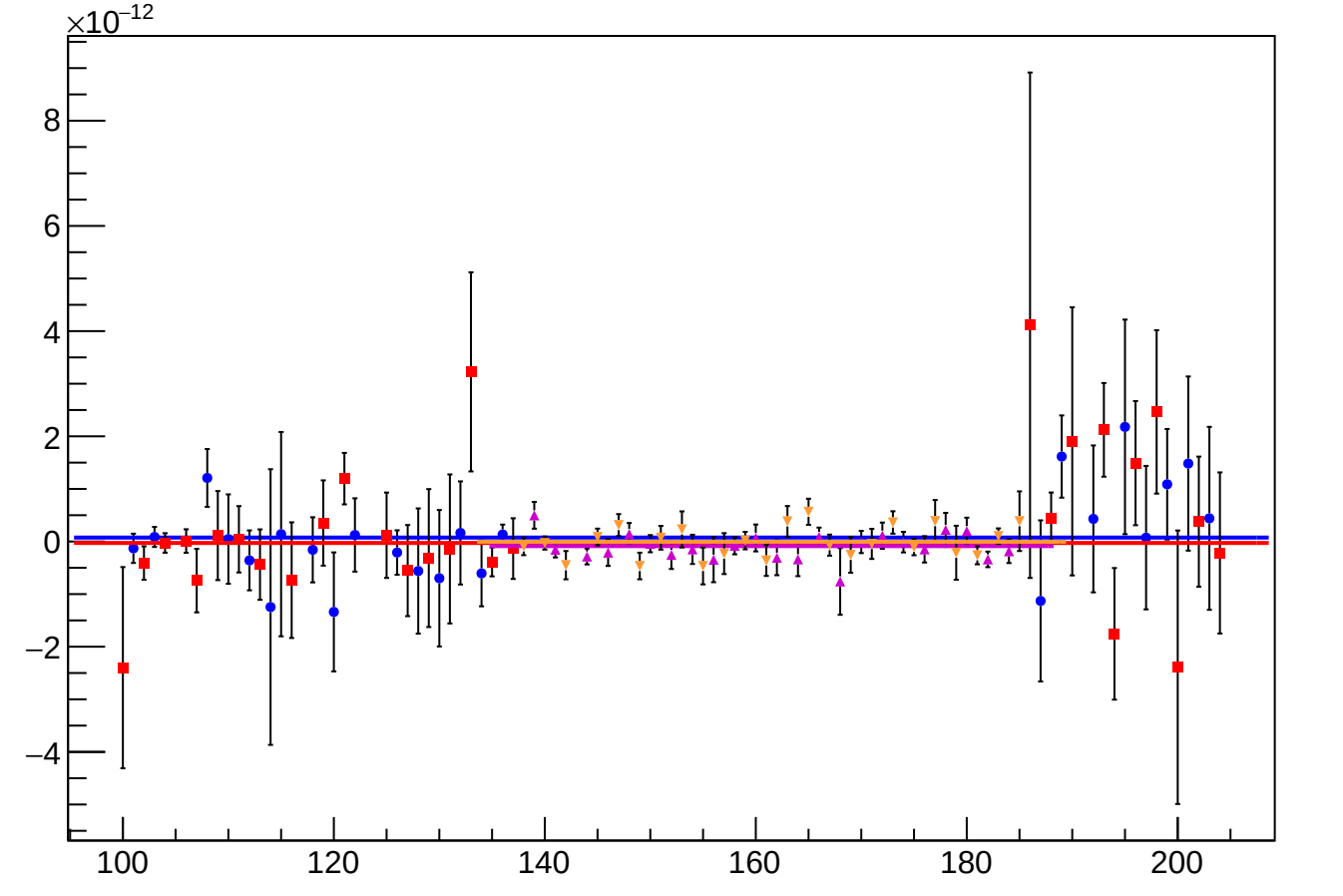
Right Out: 6654.811+/-1.309 χ^2/NDF: 3639938.2/27

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7519.569+/-0.973 χ^2/NDF: 3167188.4/47

All: 7369.563+/-0.671 χ^2/NDF: 8376761.1/98

- sign 7233.026+/-0.928 χ^2/NDF: 5164130.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 17.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

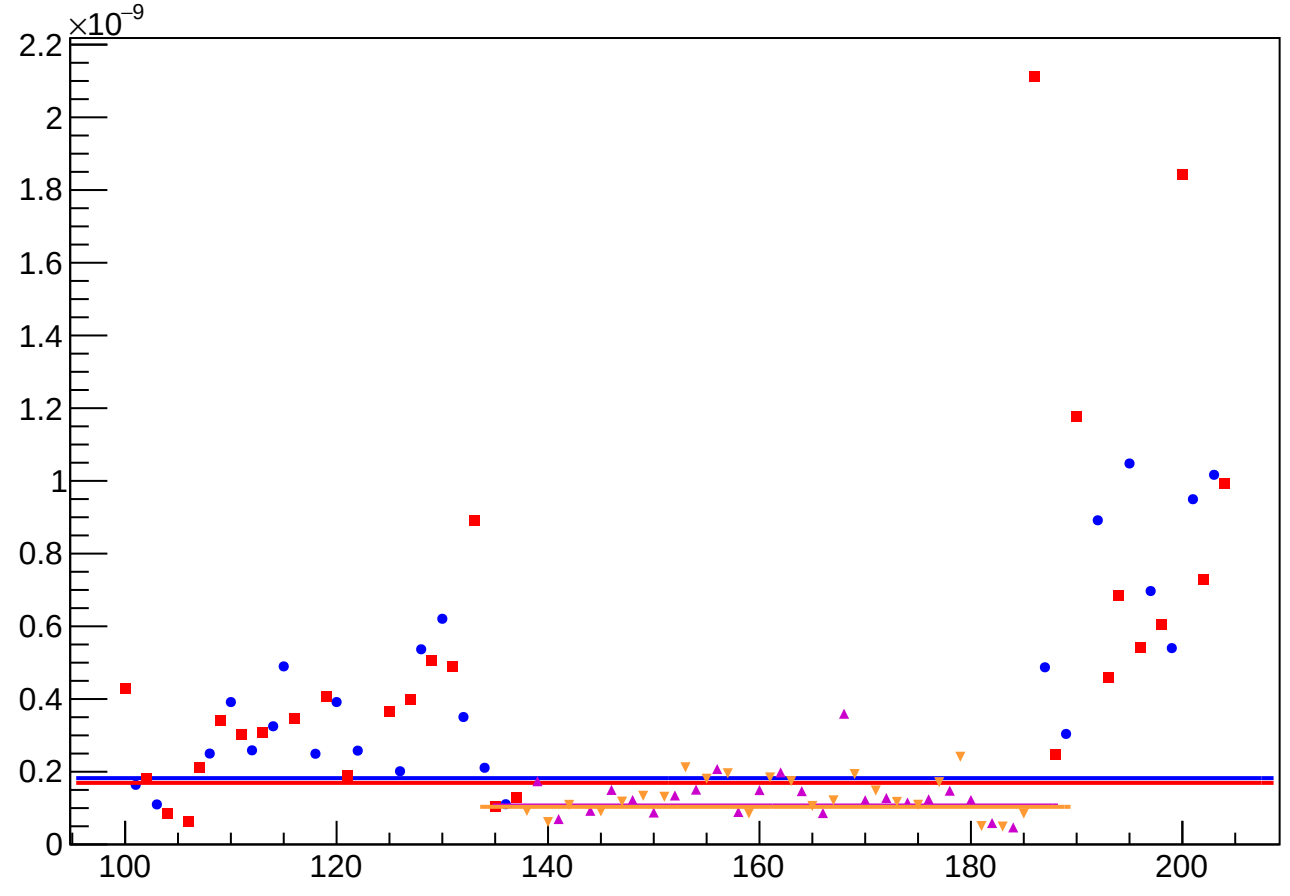
Right Out: -0.000+/-0.000 χ^2/NDF: 31.9/27

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.2/47

All: -0.000+/-0.000 χ^2/NDF: 100.0/98

- sign -0.000+/-0.000 χ^2/NDF: 51.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 3829922.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

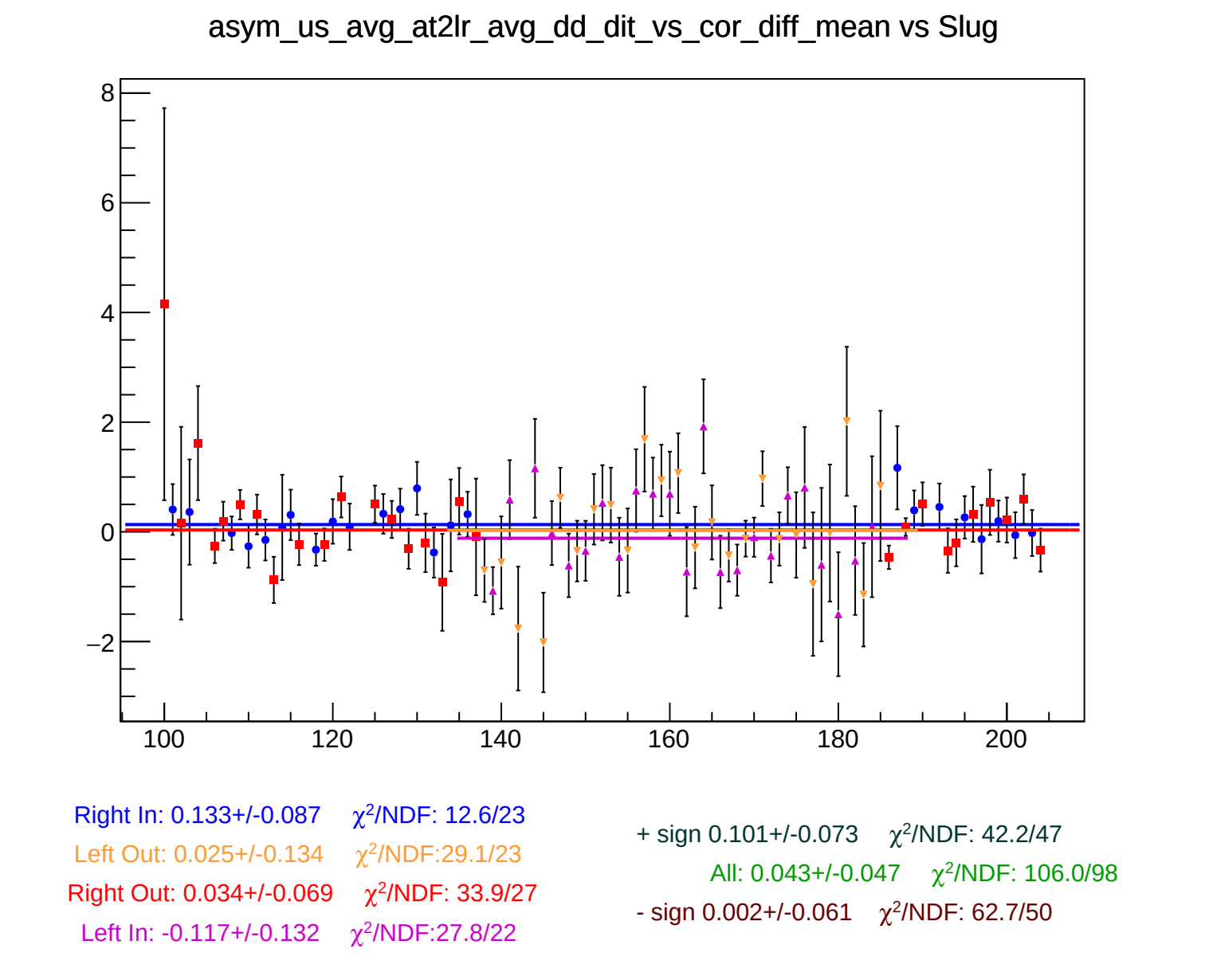
Right Out: 0.000+/-0.000 χ^2/NDF: 5724226.9/27

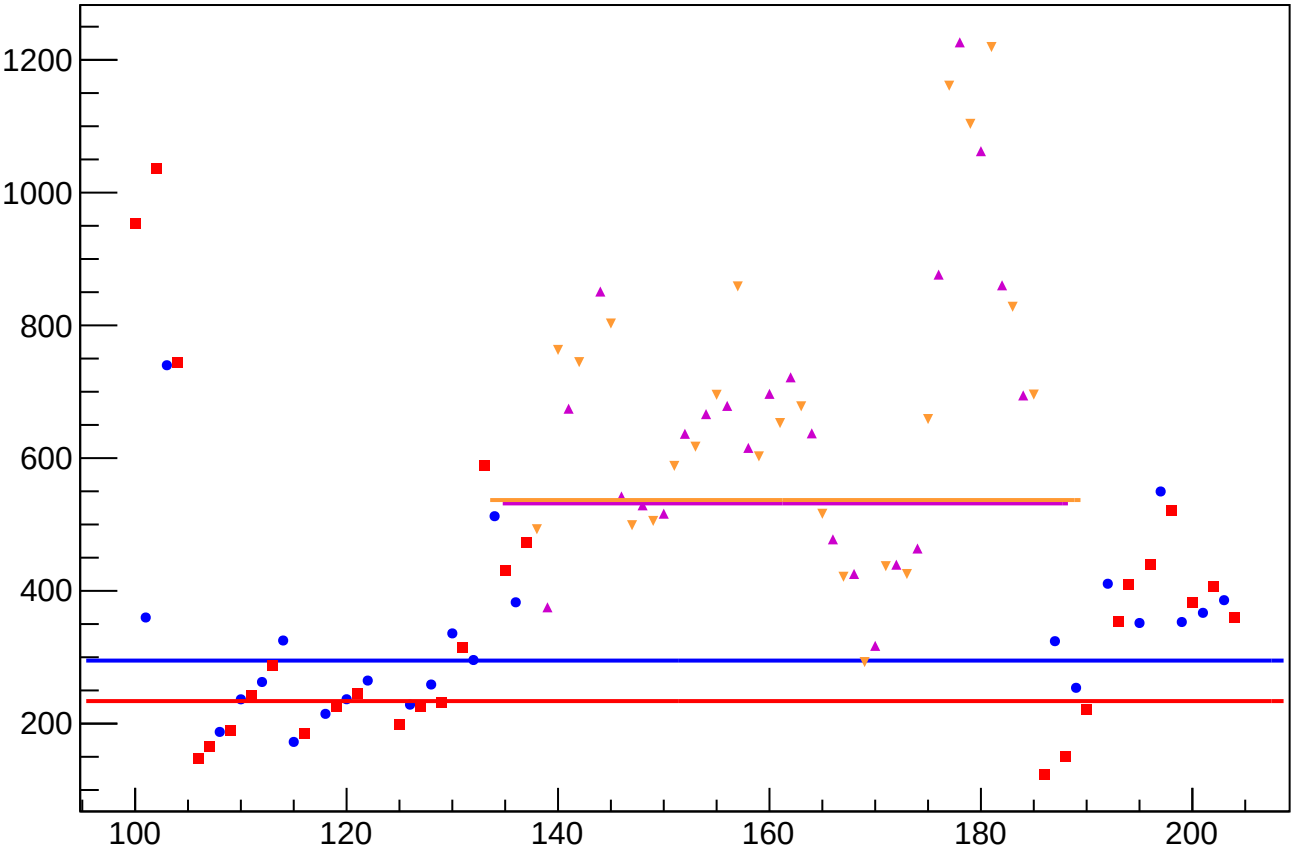
Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6759941.4/47

All: 0.000+/-0.000 χ^2/NDF: 14743538.1/98

- sign 0.000+/-0.000 χ^2/NDF: 7981476.6/50


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.133+/-0.087 χ²/NDF: 12.6/23
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.034+/-0.069 χ²/NDF: 33.9/27
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.101+/-0.073 χ²/NDF: 42.2/47
All: 0.043+/-0.047 χ²/NDF: 106.0/98
- sign 0.002+/-0.061 χ²/NDF: 62.7/50



Right In: 294.973+/-0.061 χ^2/NDF: 2203063.1/23

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 233.944+/-0.049 χ^2/NDF: 5186301.4/27

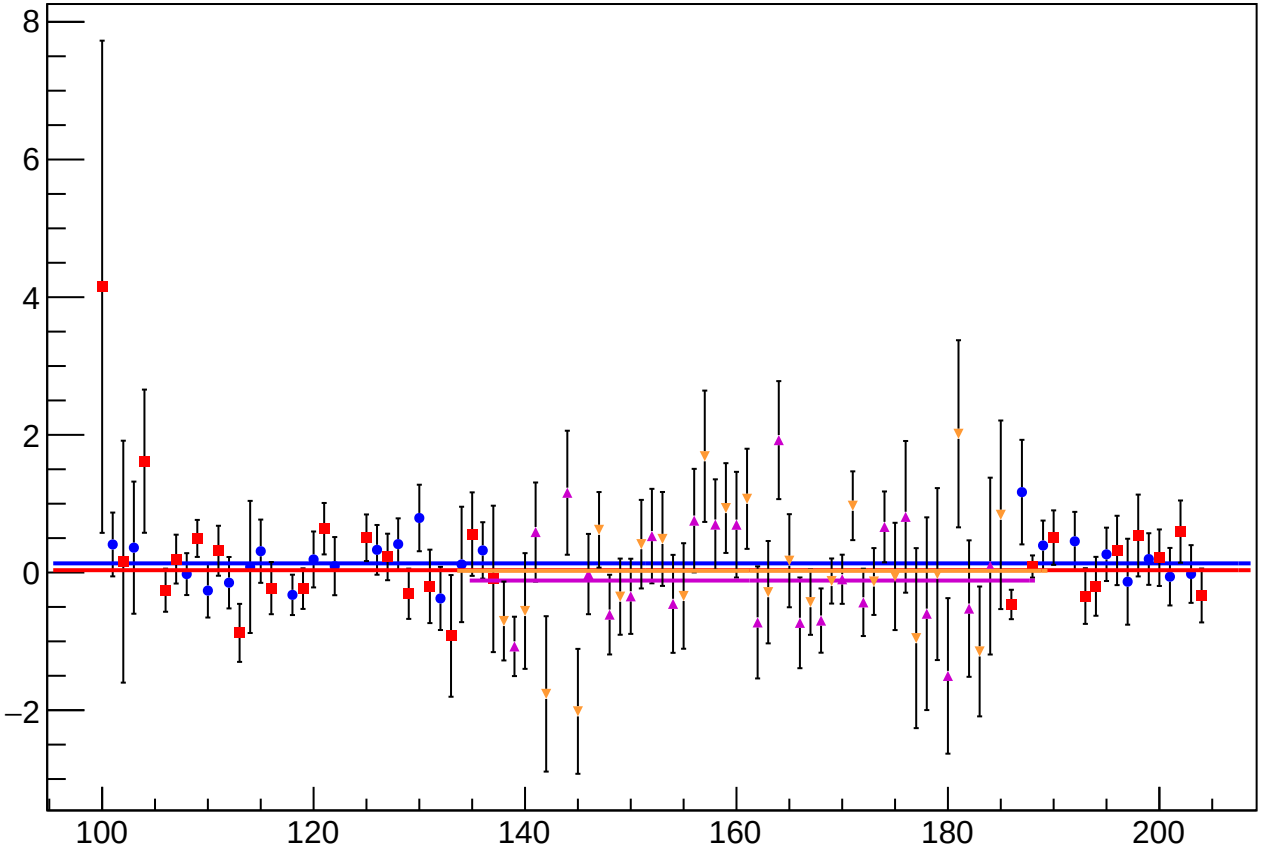
Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 366.316+/-0.051 χ^2/NDF: 10761357.8/47

All: 326.418+/-0.033 χ^2/NDF: 28295031.4/98

- sign 297.985+/-0.043 χ^2/NDF: 16503818.1/50

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.133+/-0.087 χ^2/NDF: 12.6/23

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

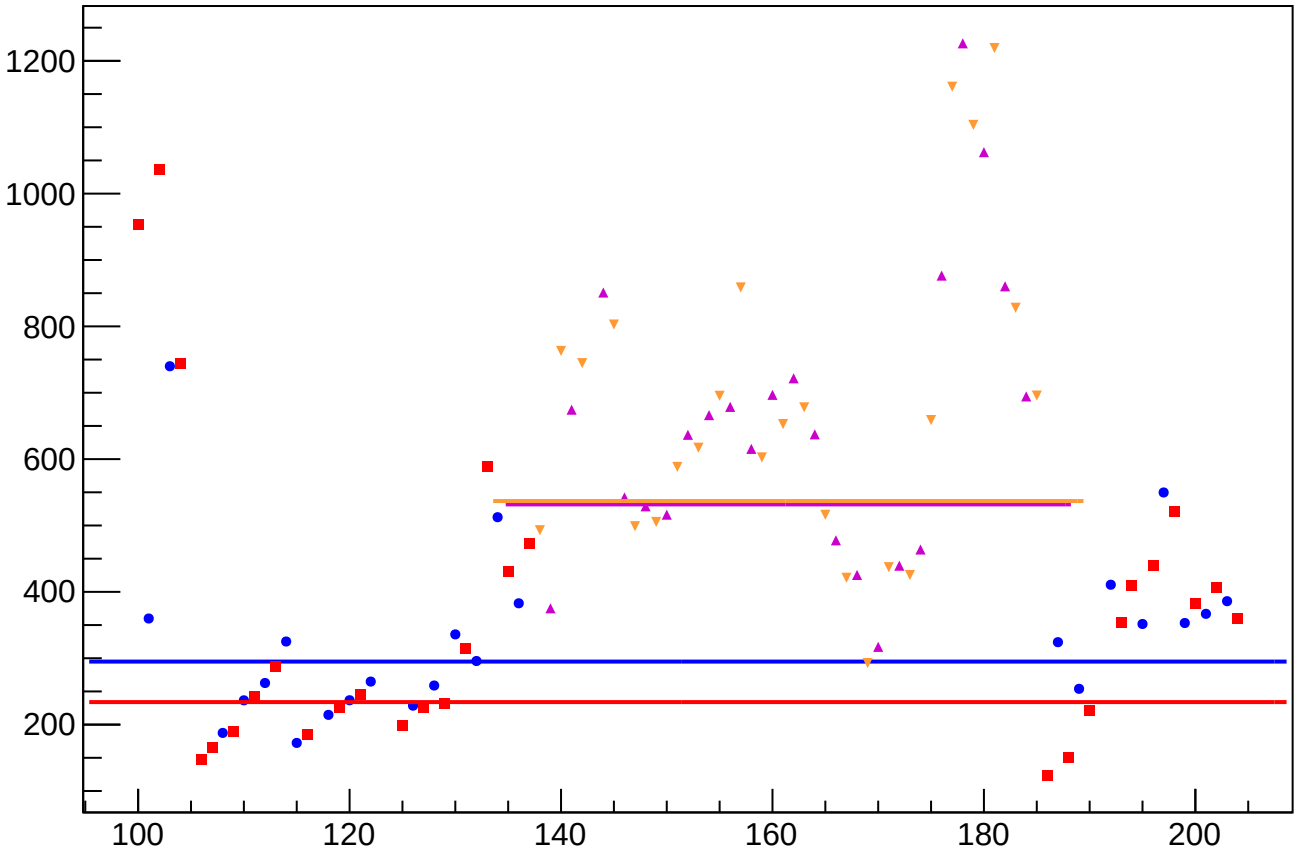
Right Out: 0.034+/-0.069 χ^2/NDF: 33.9/27

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.101+/-0.073 χ^2/NDF: 42.2/47

All: 0.043+/-0.047 χ^2/NDF: 106.0/98

- sign 0.002+/-0.061 χ^2/NDF: 62.7/50



Right In: 294.973+/-0.061 χ^2/NDF: 2203063.1/23

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

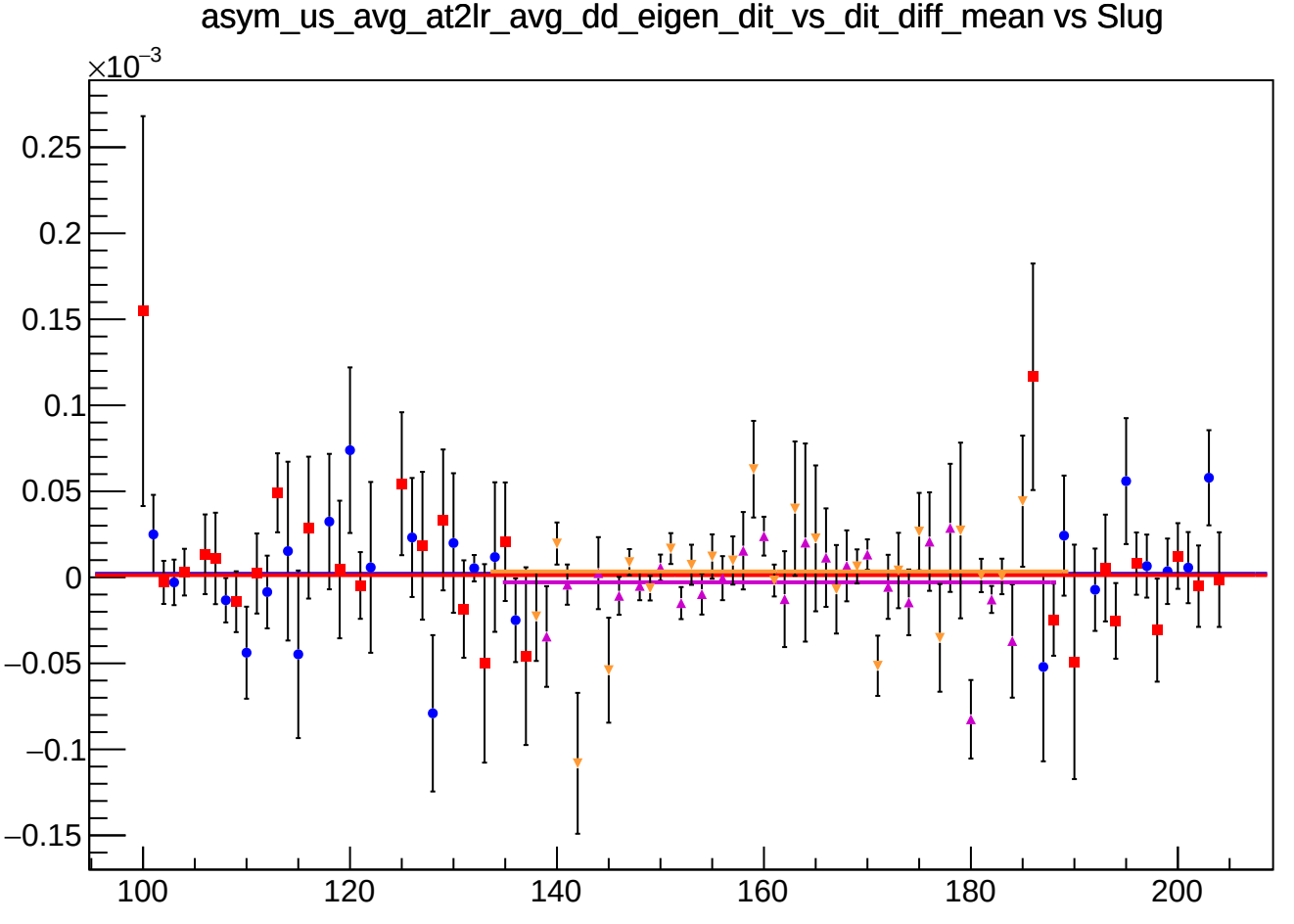
Right Out: 233.944+/-0.049 χ^2/NDF: 5186301.4/27

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 366.316+/-0.051 χ^2/NDF: 10761357.8/47

All: 326.418+/-0.033 χ^2/NDF: 28295031.4/98

- sign 297.985+/-0.043 χ^2/NDF: 16503818.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/27

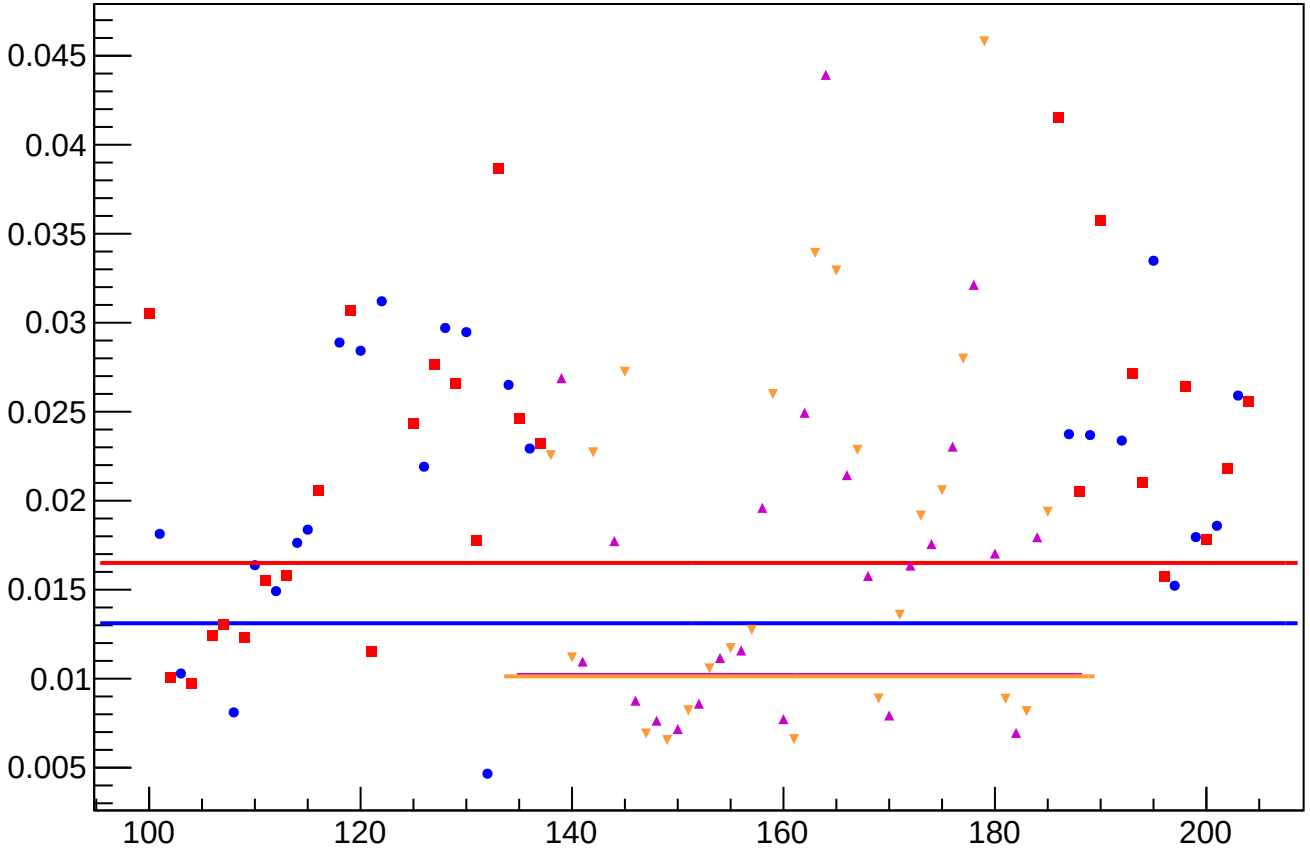
Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.7/47

All: 0.000+/-0.000 χ^2/NDF: 117.8/98

- sign -0.000+/-0.000 χ^2/NDF: 54.0/50

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 6989804.3/23

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

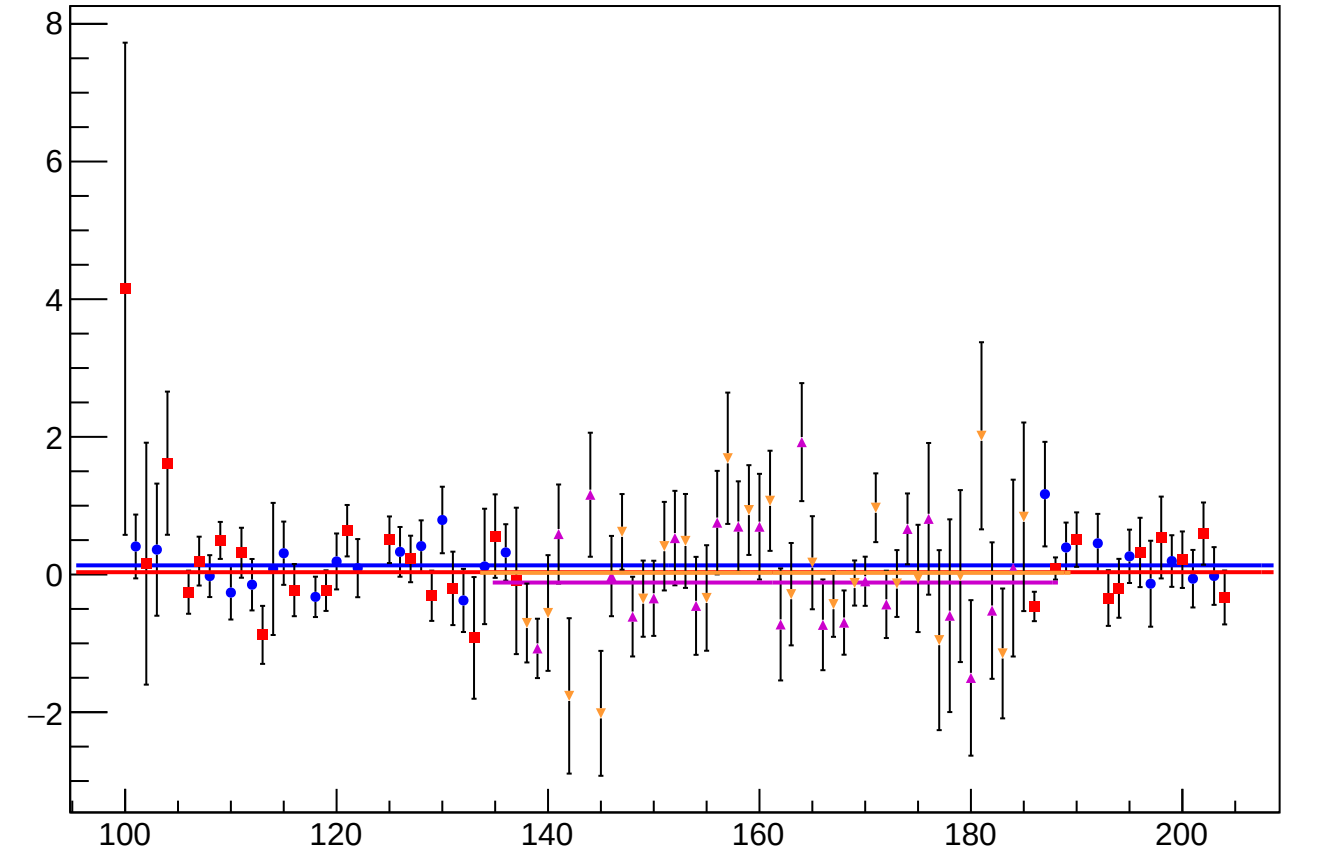
Right Out: 0.017+/-0.000 χ^2/NDF: 3834374.4/27

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 15482240.4/47

All: 0.011+/-0.000 χ^2/NDF: 28236070.0/98

- sign 0.012+/-0.000 χ^2/NDF: 12615570.9/50



Right In: 0.133+/-0.087 χ^2/NDF: 12.6/23

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

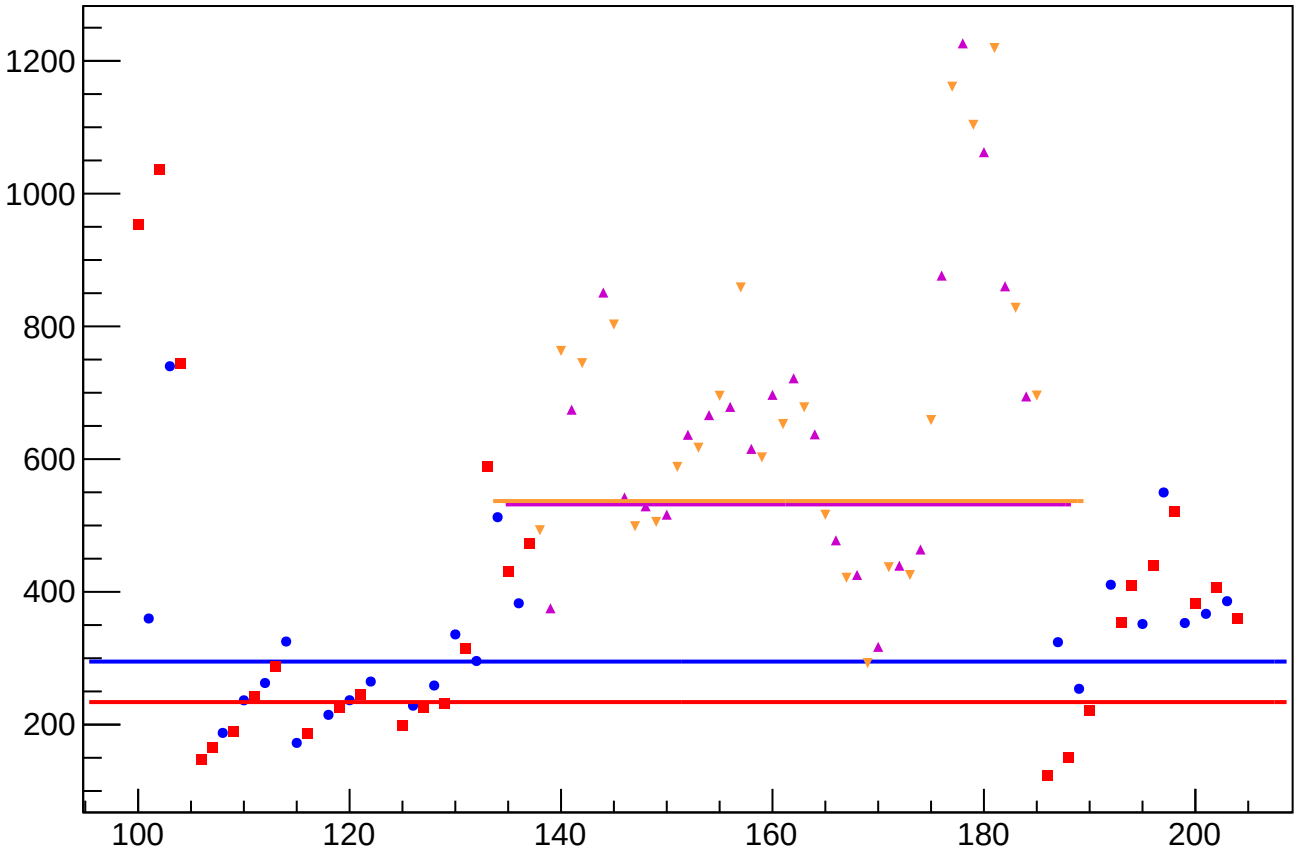
Right Out: 0.034+/-0.069 χ^2/NDF: 33.9/27

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.101+/-0.073 χ^2/NDF: 42.2/47

All: 0.043+/-0.047 χ^2/NDF: 106.0/98

- sign 0.002+/-0.061 χ^2/NDF: 62.7/50



Right In: 294.972+/-0.061 χ^2/NDF: 2203075.4/23

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 233.941+/-0.049 χ^2/NDF: 5186458.5/27

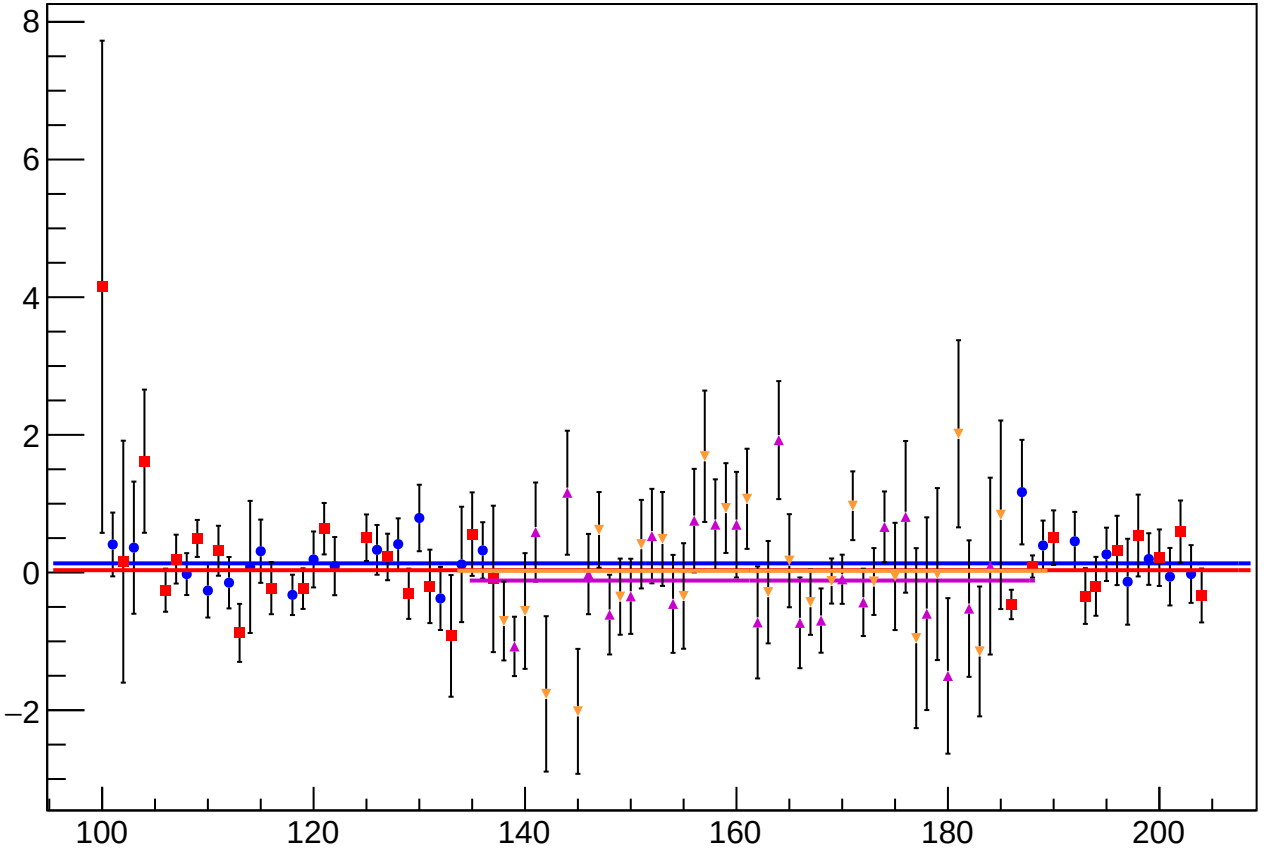
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 366.314+/-0.051 χ^2/NDF: 10761620.9/47

All: 326.415+/-0.033 χ^2/NDF: 28295805.5/98

- sign 297.982+/-0.043 χ^2/NDF: 16504296.3/50

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.133+/-0.087 χ^2/NDF: 12.6/23

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

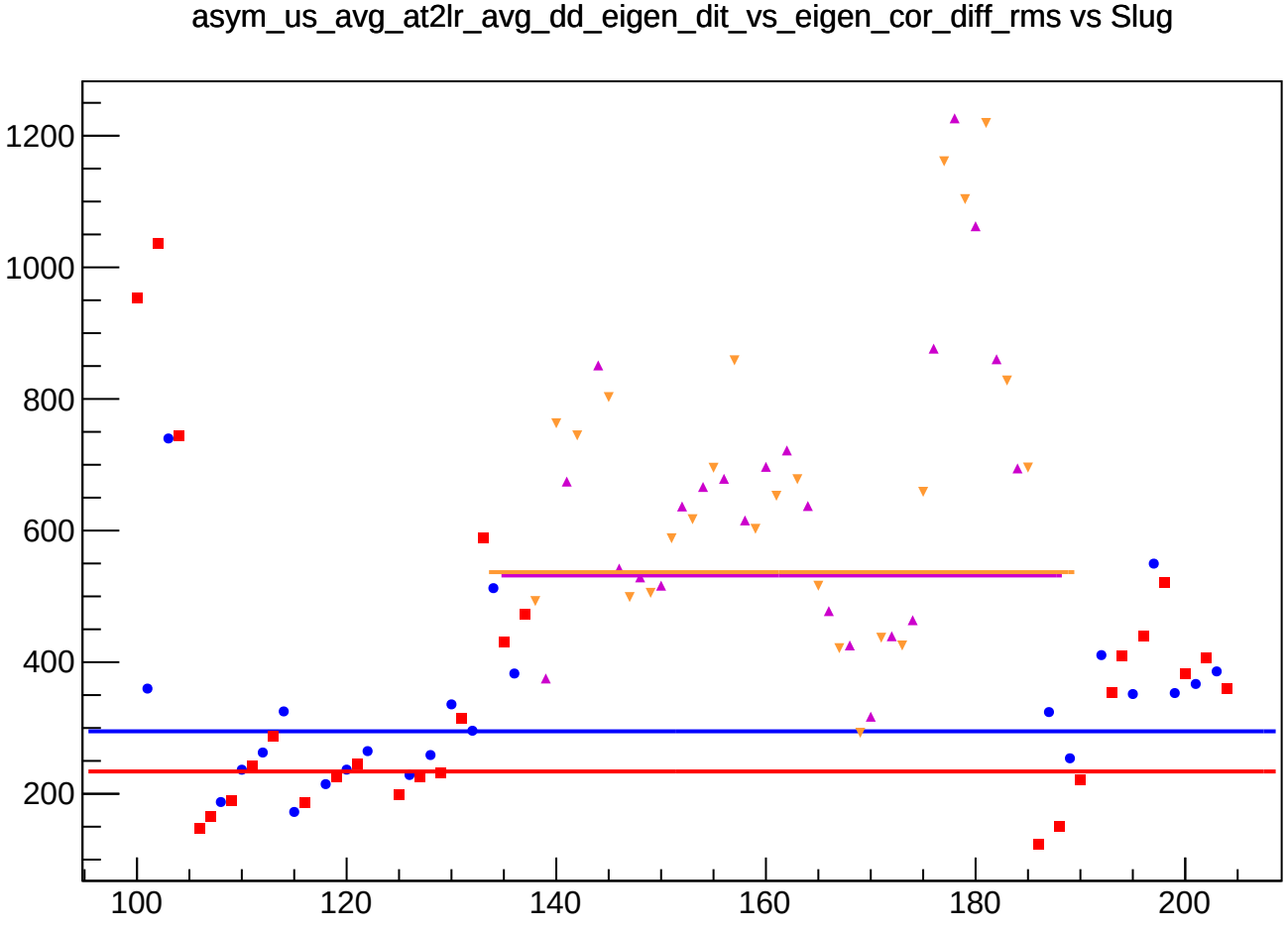
Right Out: 0.034+/-0.069 χ^2/NDF: 33.9/27

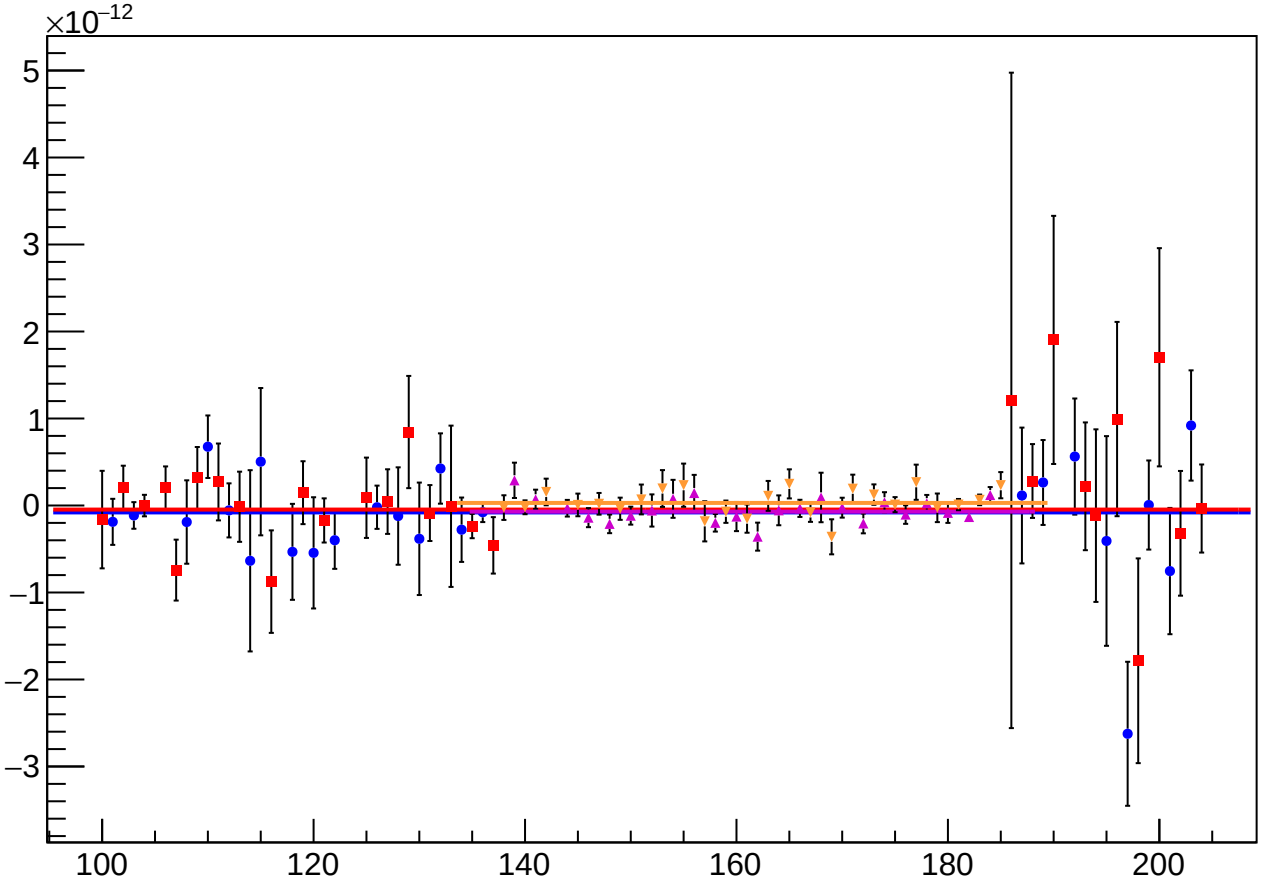
Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.101+/-0.073 χ^2/NDF: 42.2/47

All: 0.043+/-0.047 χ^2/NDF: 106.0/98

- sign 0.002+/-0.061 χ^2/NDF: 62.7/50


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: 294.972+/-0.061 χ²/NDF: 2203075.4/23
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 233.941+/-0.049 χ²/NDF: 5186458.5/27
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 366.314+/-0.051 χ²/NDF: 10761620.9/47
All: 326.415+/-0.033 χ²/NDF: 28295805.5/98
- sign 297.982+/-0.043 χ²/NDF: 16504296.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 24.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

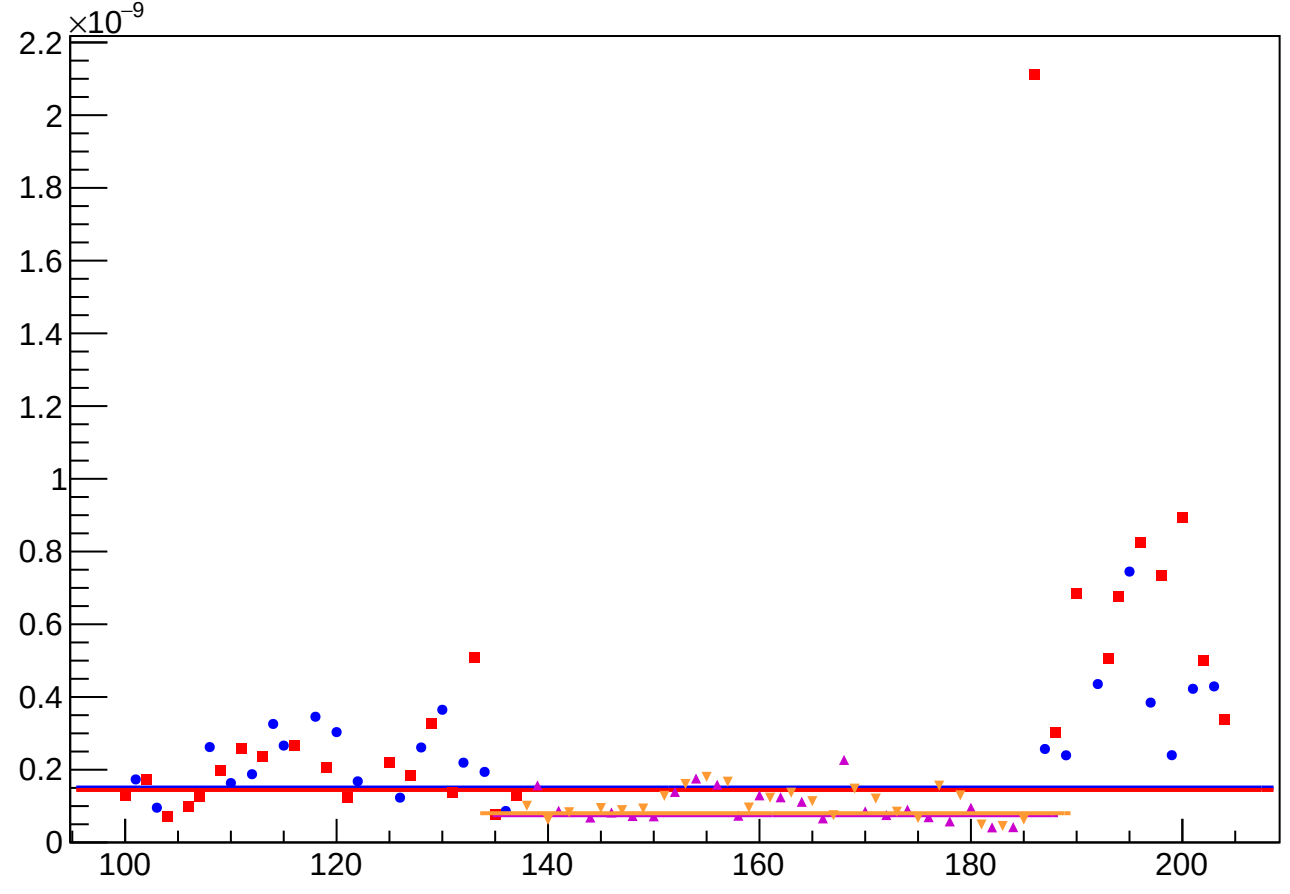
Right Out: -0.000+/-0.000 χ^2/NDF: 23.6/27

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/47

All: -0.000+/-0.000 χ^2/NDF: 98.4/98

- sign -0.000+/-0.000 χ^2/NDF: 47.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 3767056.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7157492.6/27

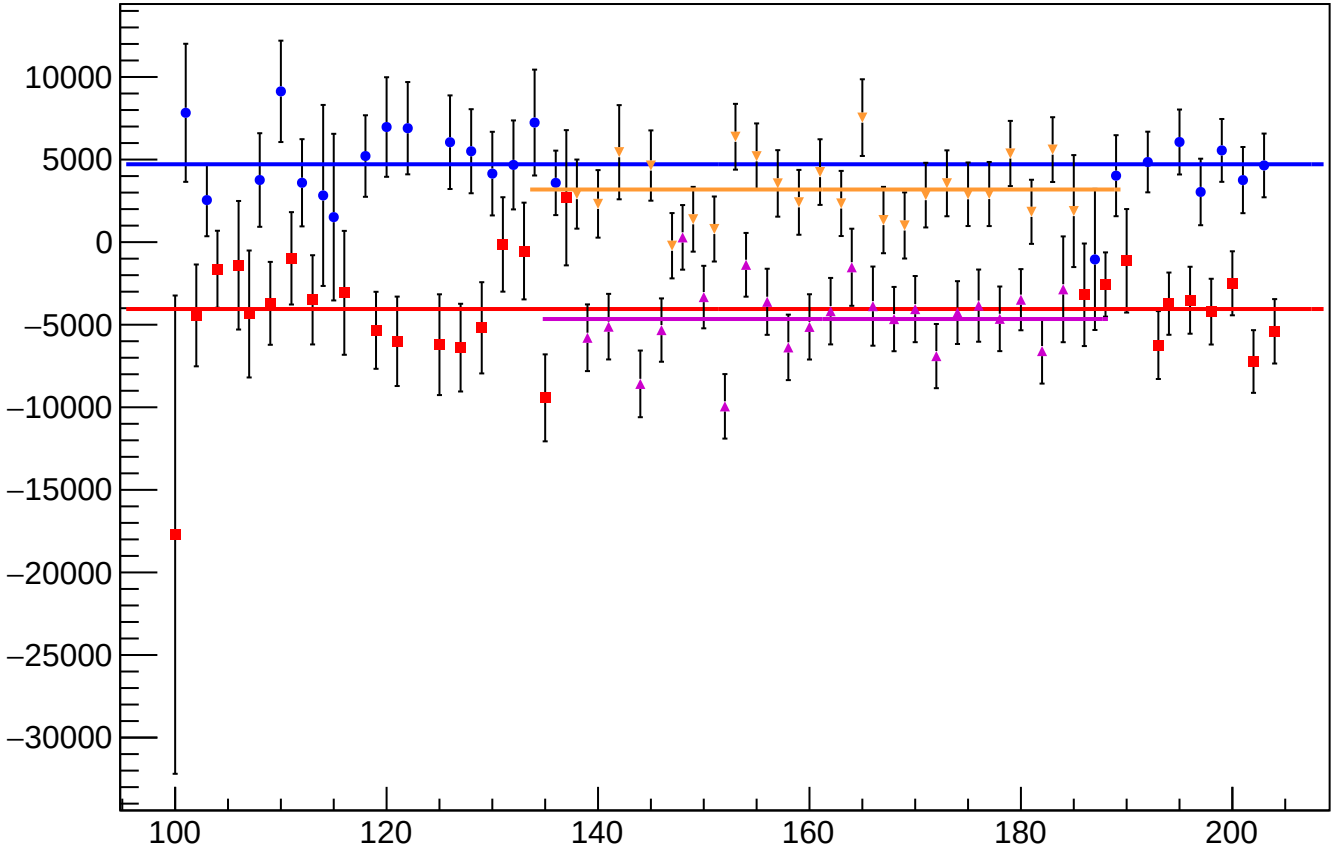
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9504481.5/47

All: 0.000+/-0.000 χ^2/NDF: 22571378.4/98

- sign 0.000+/-0.000 χ^2/NDF: 13006308.5/50

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4715.427+/-508.752 χ^2/NDF: 10.4/23

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -4049.228+/-479.128 χ^2/NDF: 22.9/27

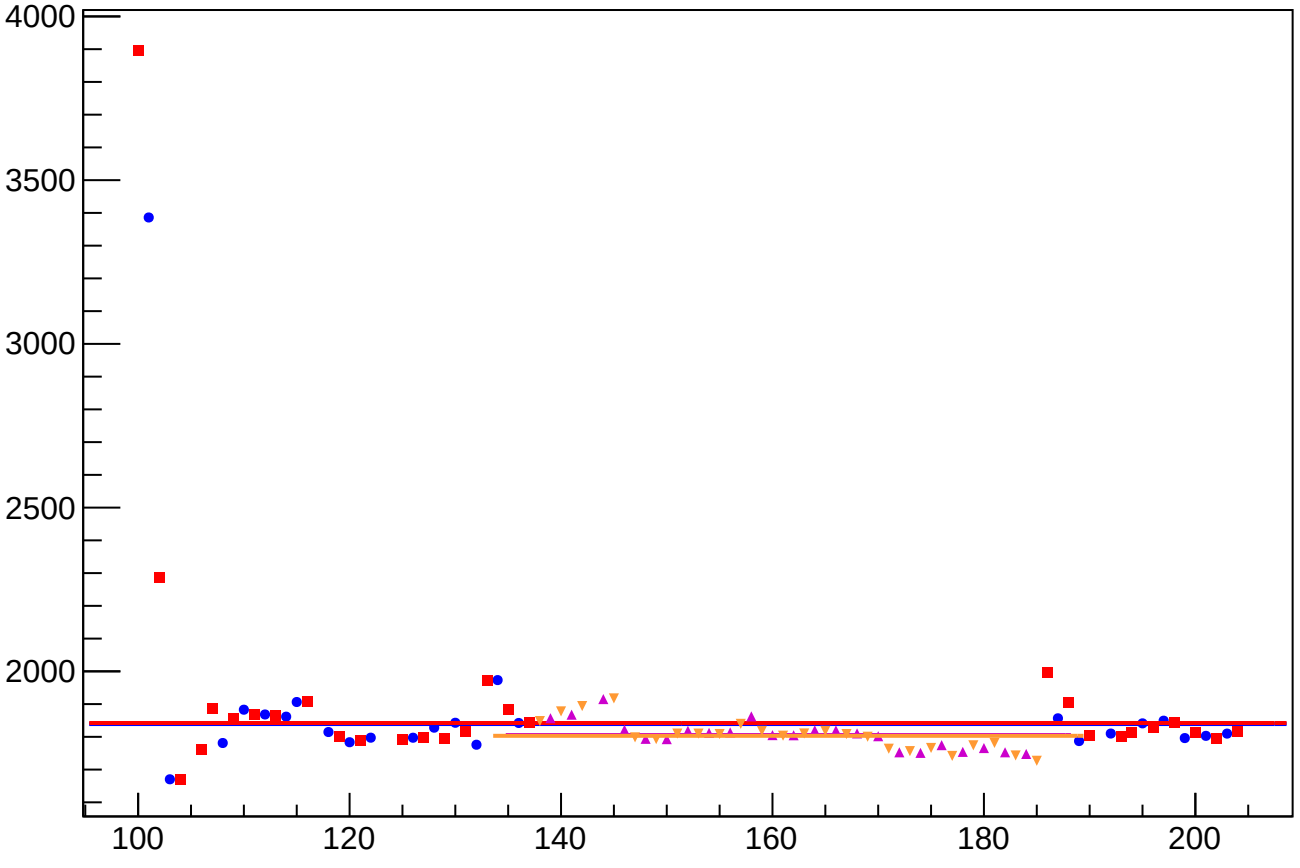
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3804.127+/-323.255 χ^2/NDF: 35.7/47

All: -379.146+/-226.168 χ^2/NDF: 415.3/98

- sign -4390.698+/-316.550 χ^2/NDF: 51.5/50

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1839.058+/-0.360 χ^2/NDF: 297649.8/23

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

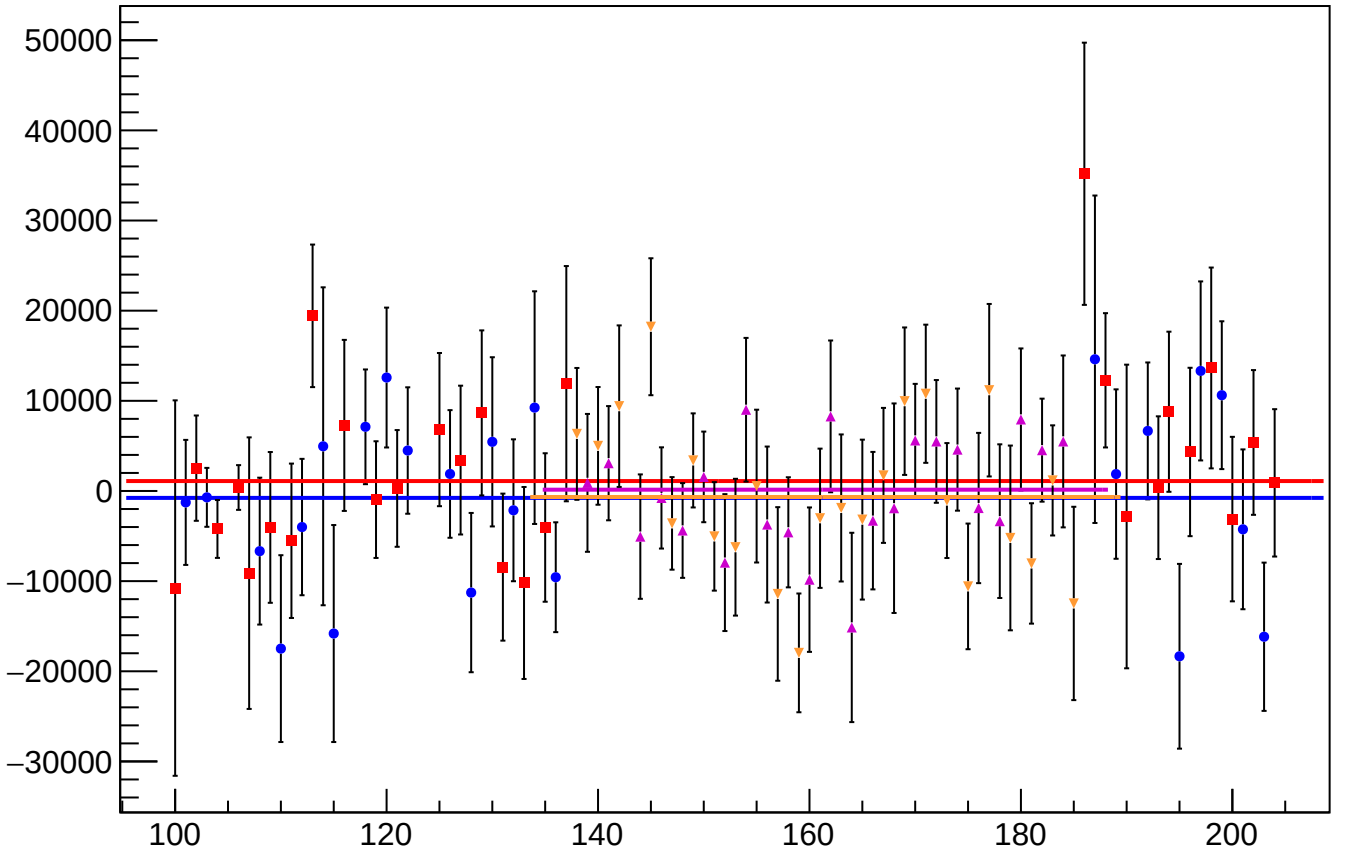
Right Out: 1842.272+/-0.338 χ^2/NDF: 113326.6/27

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1817.626+/-0.229 χ^2/NDF: 324243.6/47

All: 1819.661+/-0.160 χ^2/NDF: 463668.1/98

- sign 1821.610+/-0.224 χ^2/NDF: 139269.3/50



Right In: -766.869+/-1552.189 χ^2/NDF: 27.1/23

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

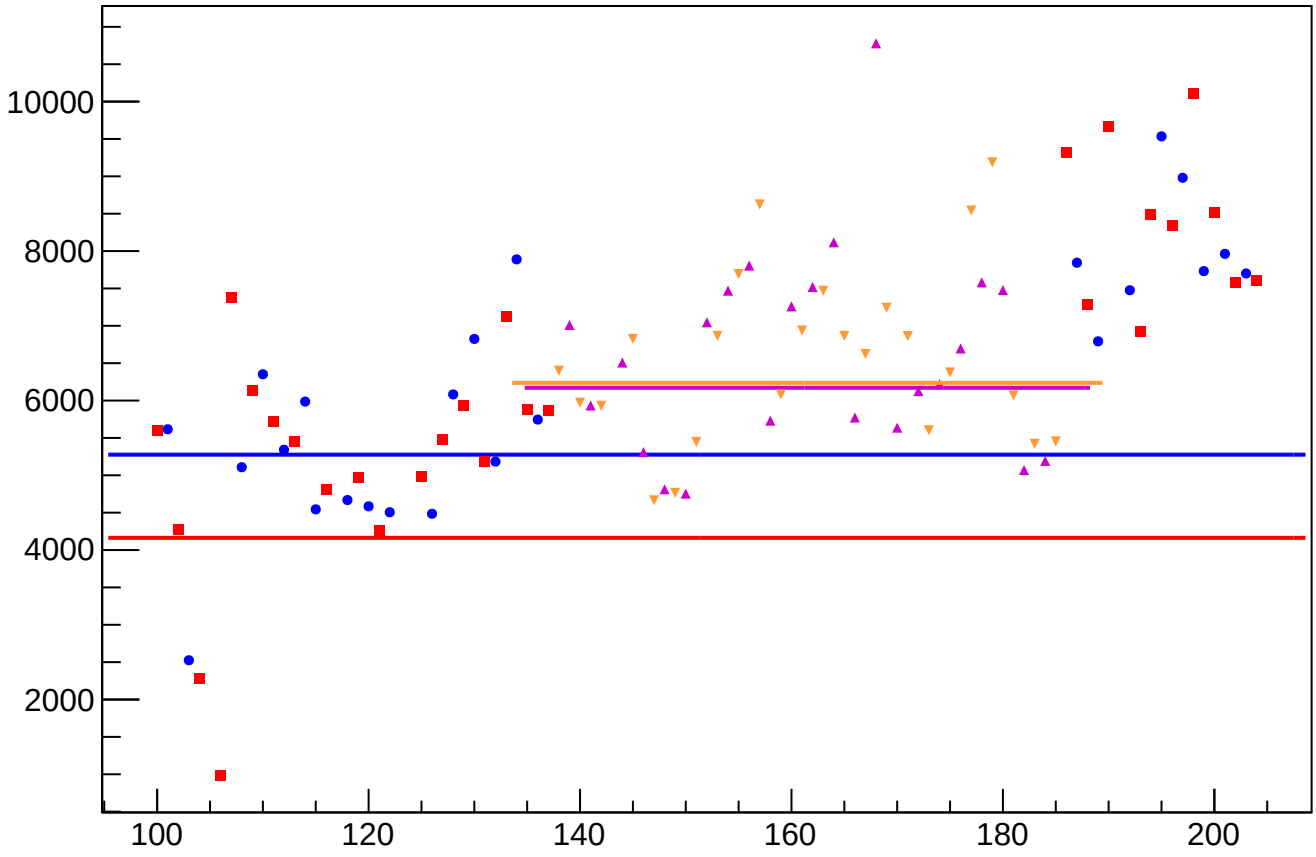
Right Out: 1100.203+/-1290.784 χ^2/NDF: 25.8/27

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -714.645+/-1070.674 χ^2/NDF: 56.8/47

All: 53.337+/-718.989 χ^2/NDF: 97.4/98

- sign 684.105+/-970.323 χ^2/NDF: 39.6/50



Right In: 5276.114+/-1.098 χ^2/NDF: 3124248.5/23

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4163.296+/-0.913 χ^2/NDF: 8477564.3/27

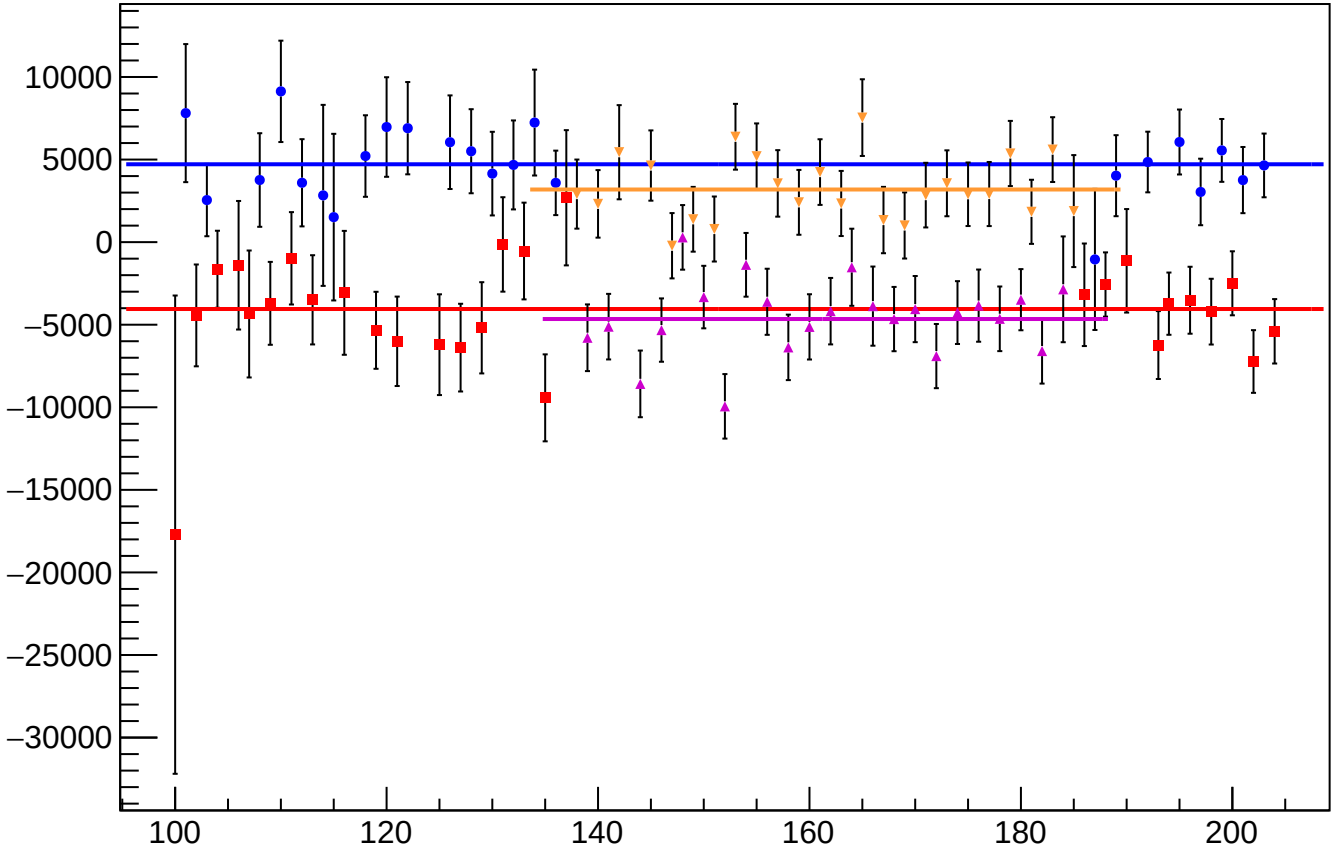
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5779.619+/-0.757 χ^2/NDF: 4593376.8/47

All: 5371.530+/-0.508 χ^2/NDF: 16941566.8/9

- sign 5036.354+/-0.686 χ^2/NDF: 11818997.3/50

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4715.251+/-508.752 χ^2/NDF: 10.4/23

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -4049.085+/-479.128 χ^2/NDF: 22.9/27

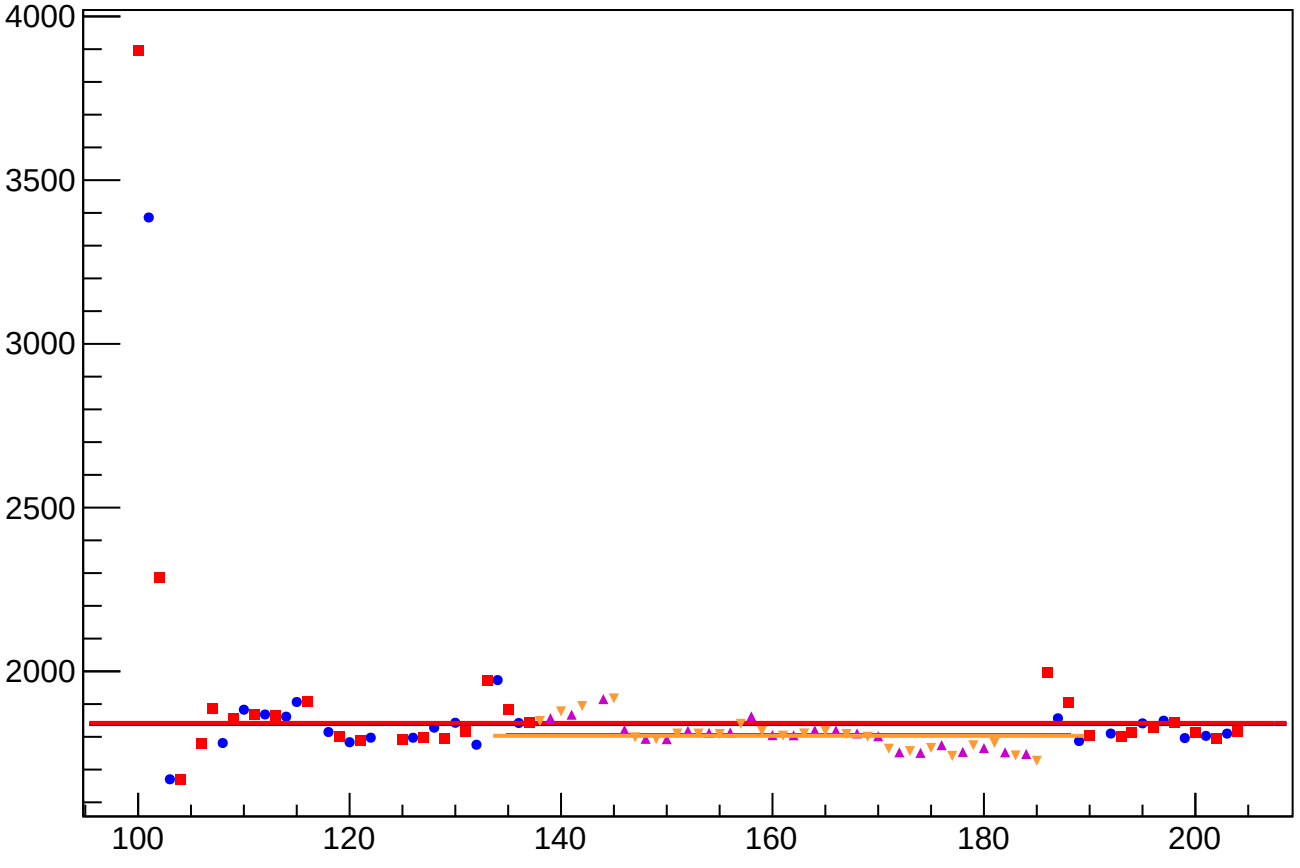
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3804.015+/-323.255 χ^2/NDF: 35.7/47

All: -379.174+/-226.168 χ^2/NDF: 415.3/98

- sign -4390.646+/-316.550 χ^2/NDF: 51.5/50

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1839.058+/-0.360 χ^2/NDF: 297651.7/23

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

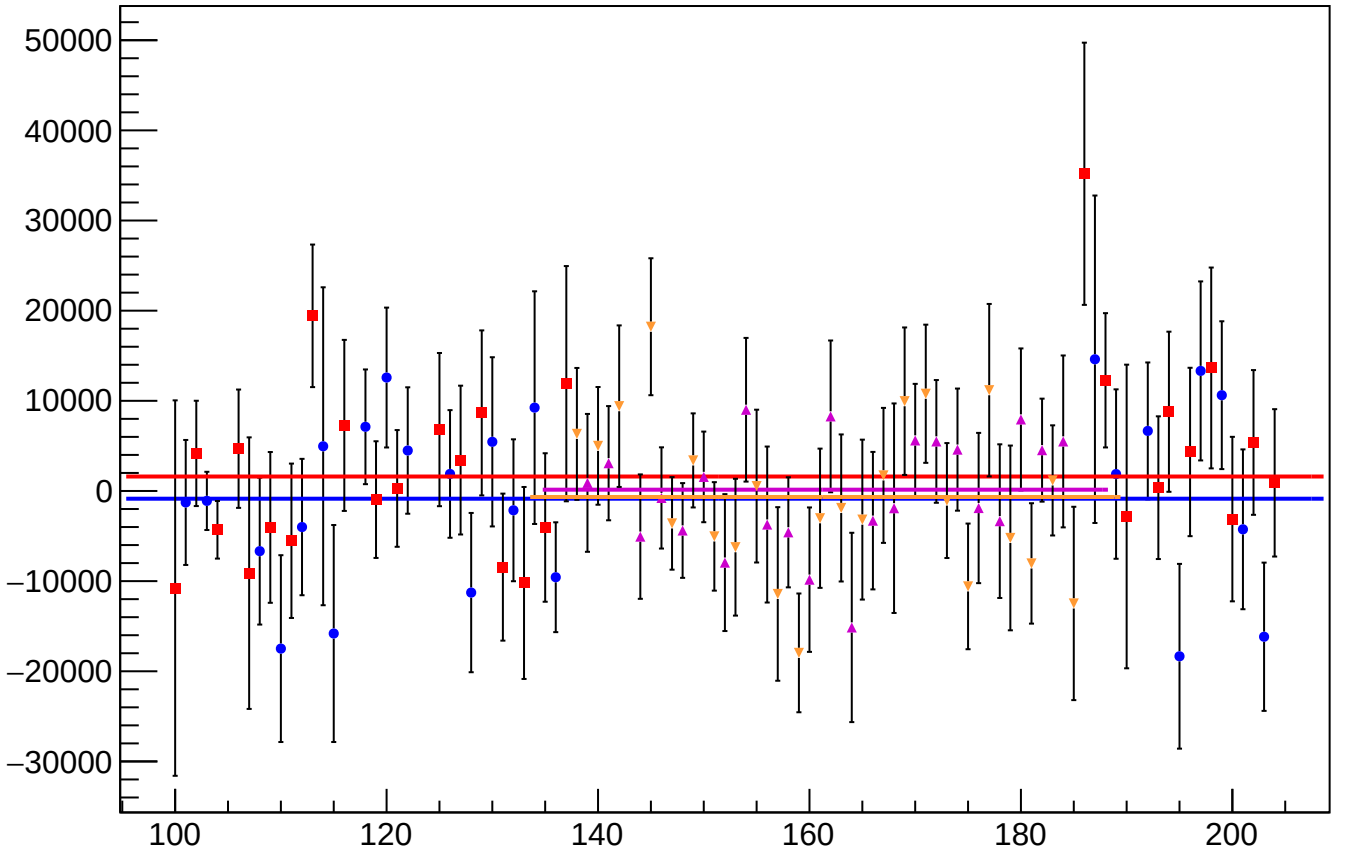
Right Out: 1842.605+/-0.338 χ^2/NDF: 112922.8/27

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1817.626+/-0.229 χ^2/NDF: 324245.5/47

All: 1819.734+/-0.160 χ^2/NDF: 463396.9/98

- sign 1821.753+/-0.224 χ^2/NDF: 138984.9/50



Right In: -857.538+/-1547.891 χ^2/NDF: 27.1/23

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

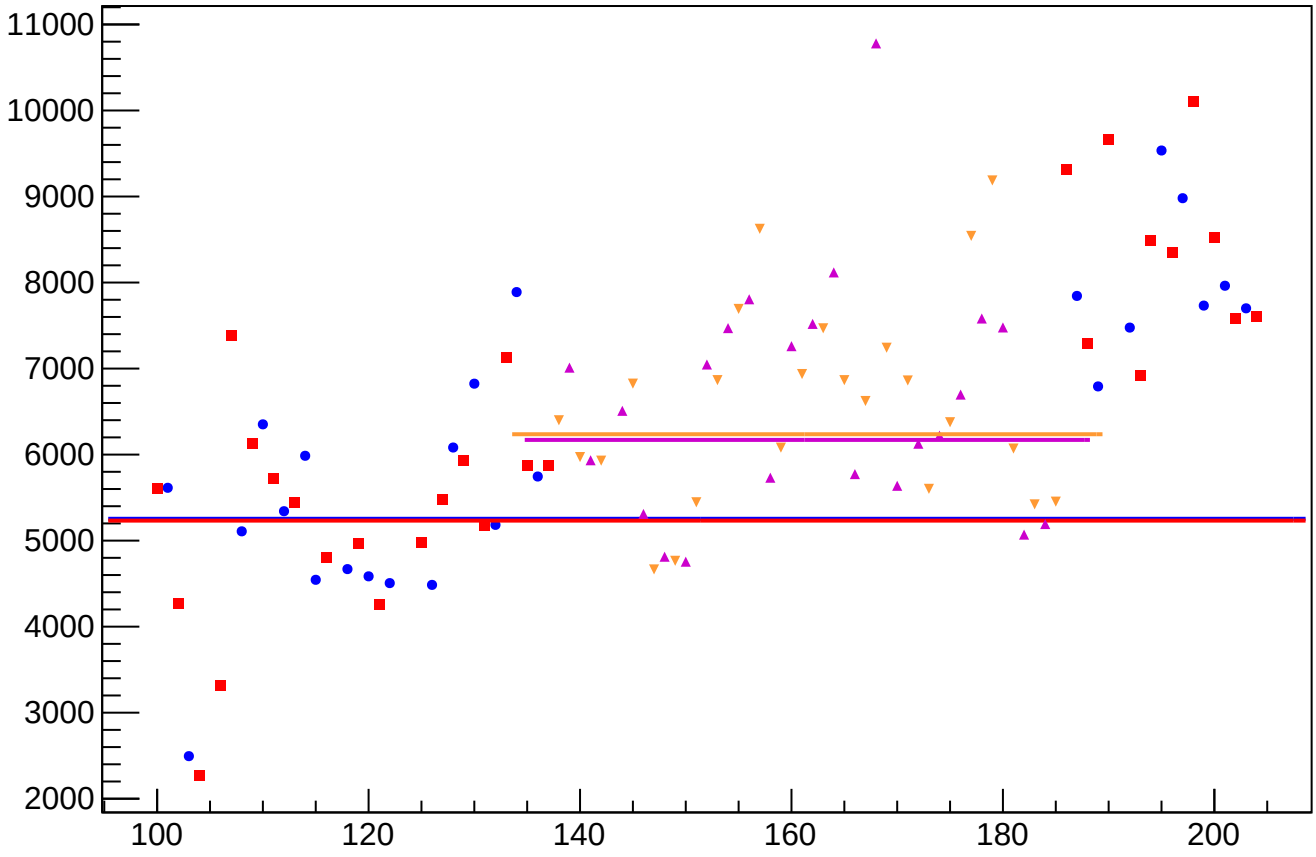
Right Out: 1604.245+/-1471.266 χ^2/NDF: 26.2/27

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -758.050+/-1069.260 χ^2/NDF: 56.8/47

All: 80.241+/-745.660 χ^2/NDF: 98.3/98

- sign 873.859+/-1040.379 χ^2/NDF: 40.3/50



Right In: 5253.804+/-1.095 χ^2/NDF: 3191317.4/23

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

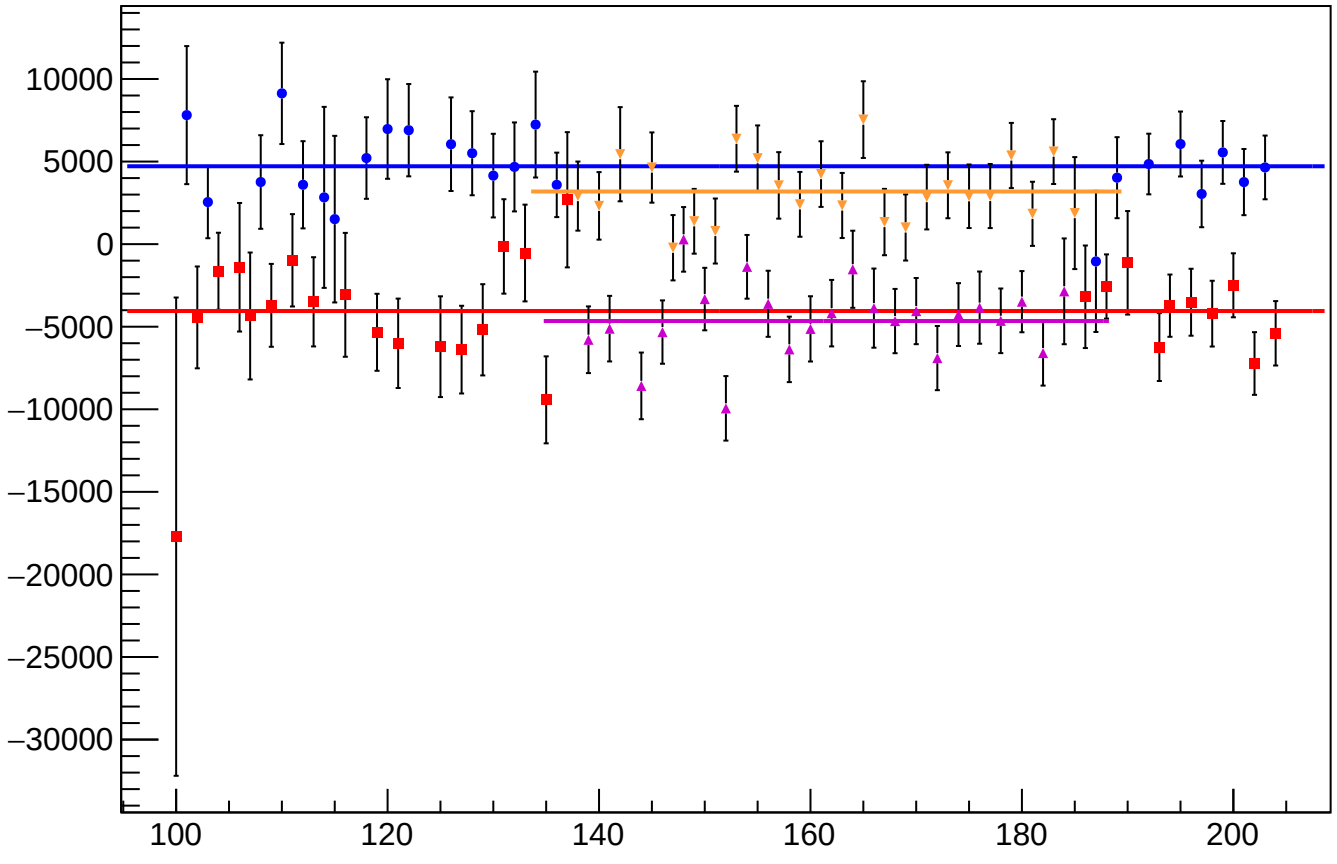
Right Out: 5232.767+/-1.040 χ^2/NDF: 4180278.0/27

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5767.644+/-0.756 χ^2/NDF: 4680539.0/47

All: 5733.792+/-0.527 χ^2/NDF: 10508738.5/9

- sign 5701.745+/-0.736 χ^2/NDF: 5824297.3/50



Right In: 4715.251+/-508.752 χ^2/NDF: 10.4/23

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -4049.085+/-479.128 χ^2/NDF: 22.9/27

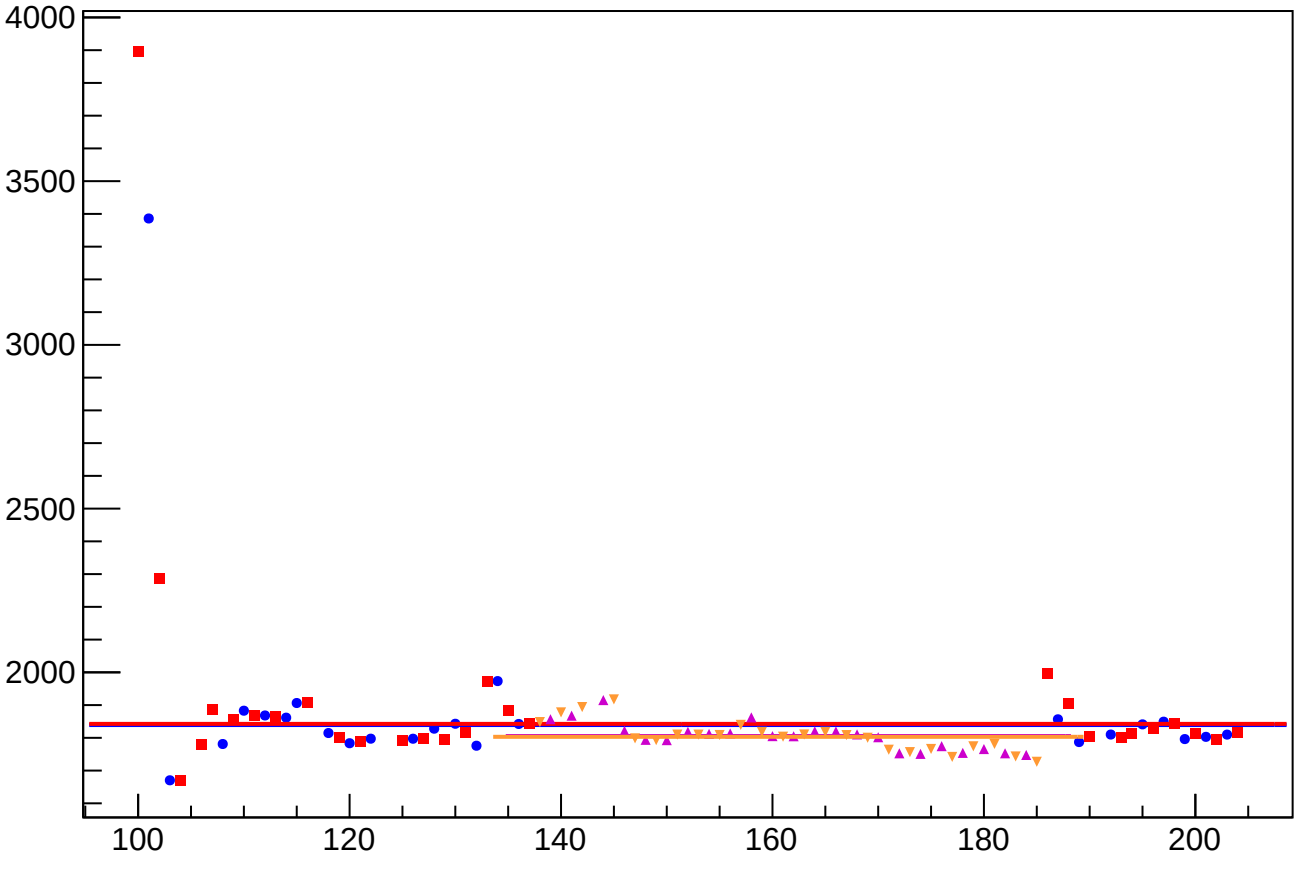
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3804.015+/-323.255 χ^2/NDF: 35.7/47

All: -379.174+/-226.168 χ^2/NDF: 415.3/98

- sign -4390.646+/-316.550 χ^2/NDF: 51.5/50

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1839.058+/-0.360 χ^2/NDF: 297651.7/23

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

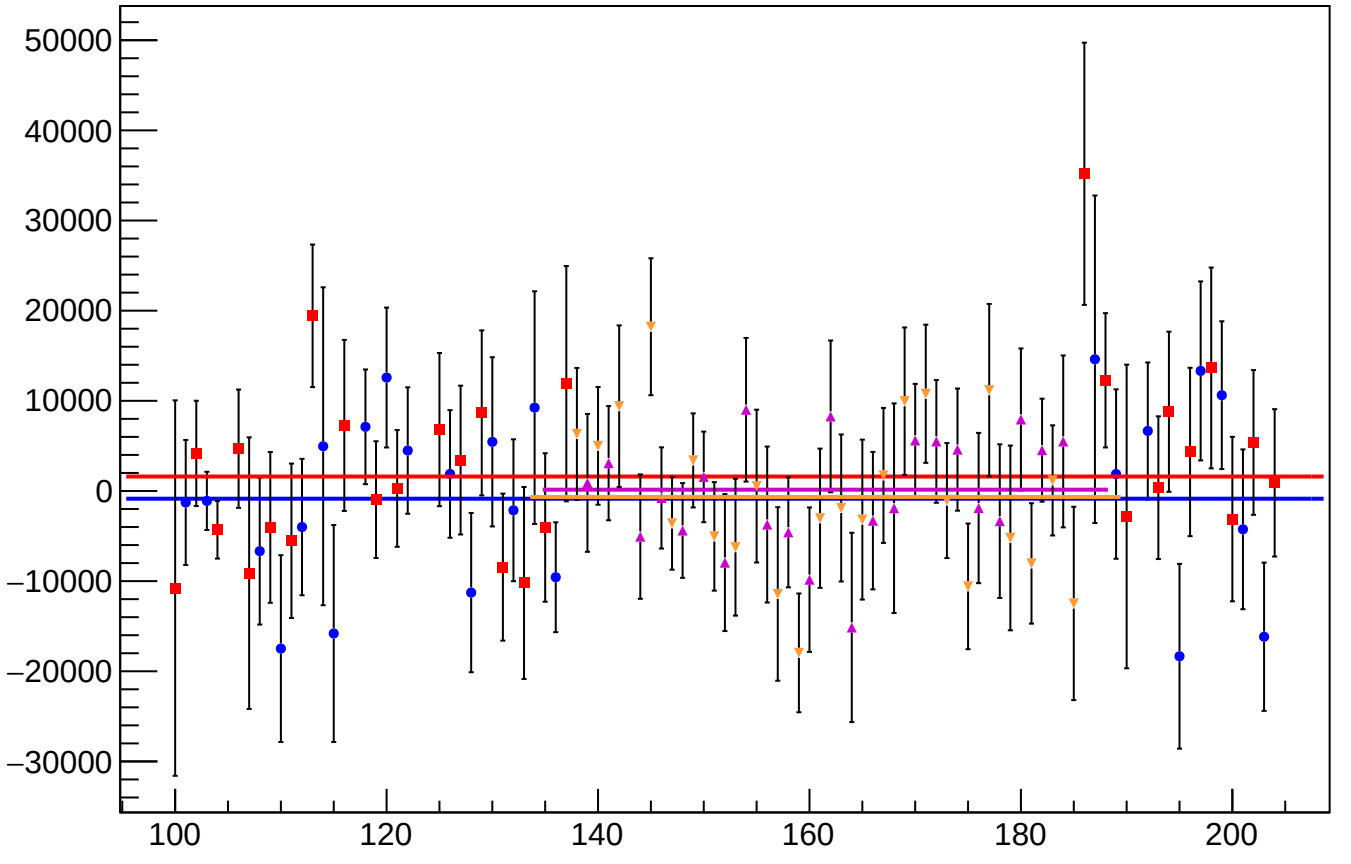
Right Out: 1842.605+/-0.338 χ^2/NDF: 112922.8/27

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1817.626+/-0.229 χ^2/NDF: 324245.5/47

All: 1819.734+/-0.160 χ^2/NDF: 463396.9/98

- sign 1821.753+/-0.224 χ^2/NDF: 138984.9/50



Right In: -857.538+/-1547.891 χ^2/NDF: 27.1/23

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

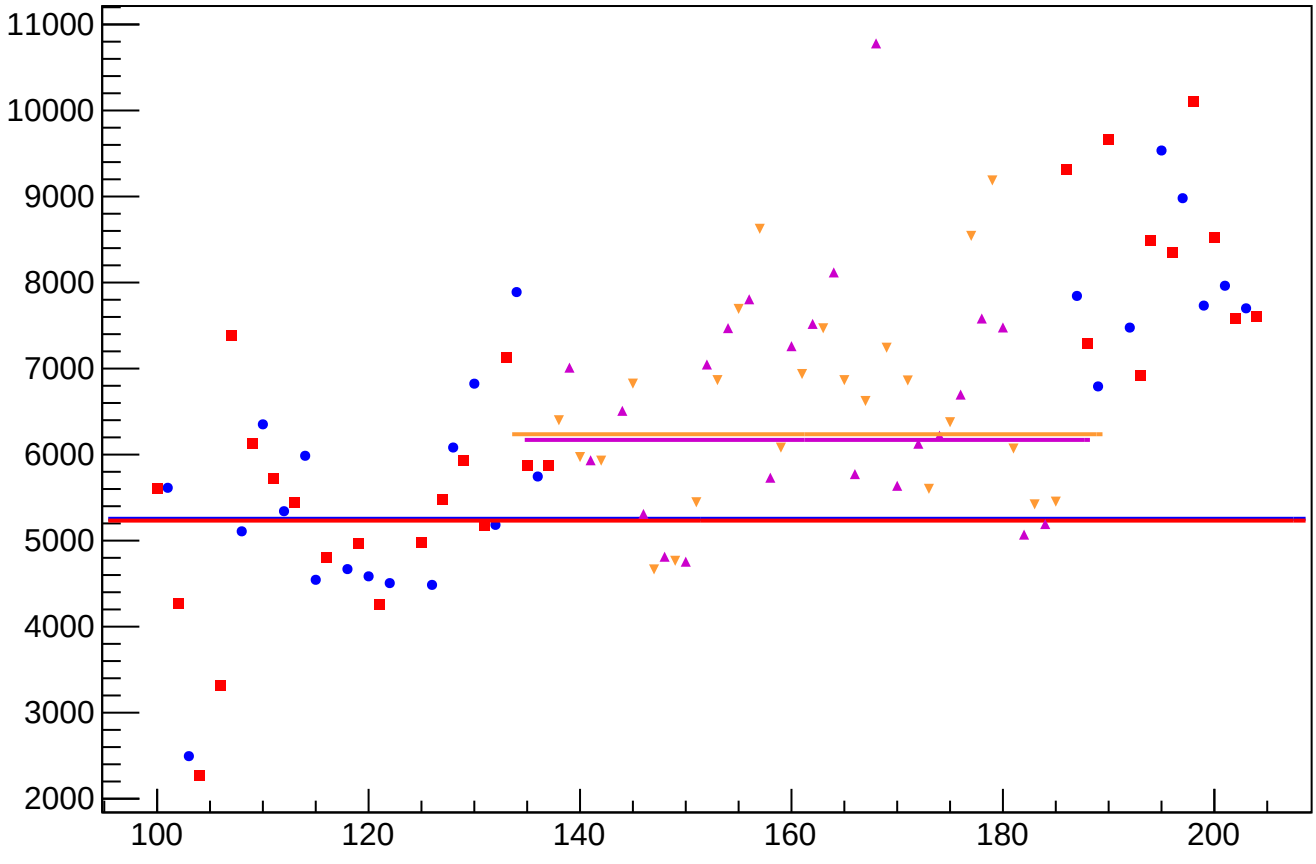
Right Out: 1604.245+/-1471.266 χ^2/NDF: 26.2/27

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -758.050+/-1069.260 χ^2/NDF: 56.8/47

All: 80.241+/-745.660 χ^2/NDF: 98.3/98

- sign 873.859+/-1040.379 χ^2/NDF: 40.3/50



Right In: 5253.804+/-1.095 χ^2/NDF: 3191317.4/23

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5232.767+/-1.040 χ^2/NDF: 4180278.0/27

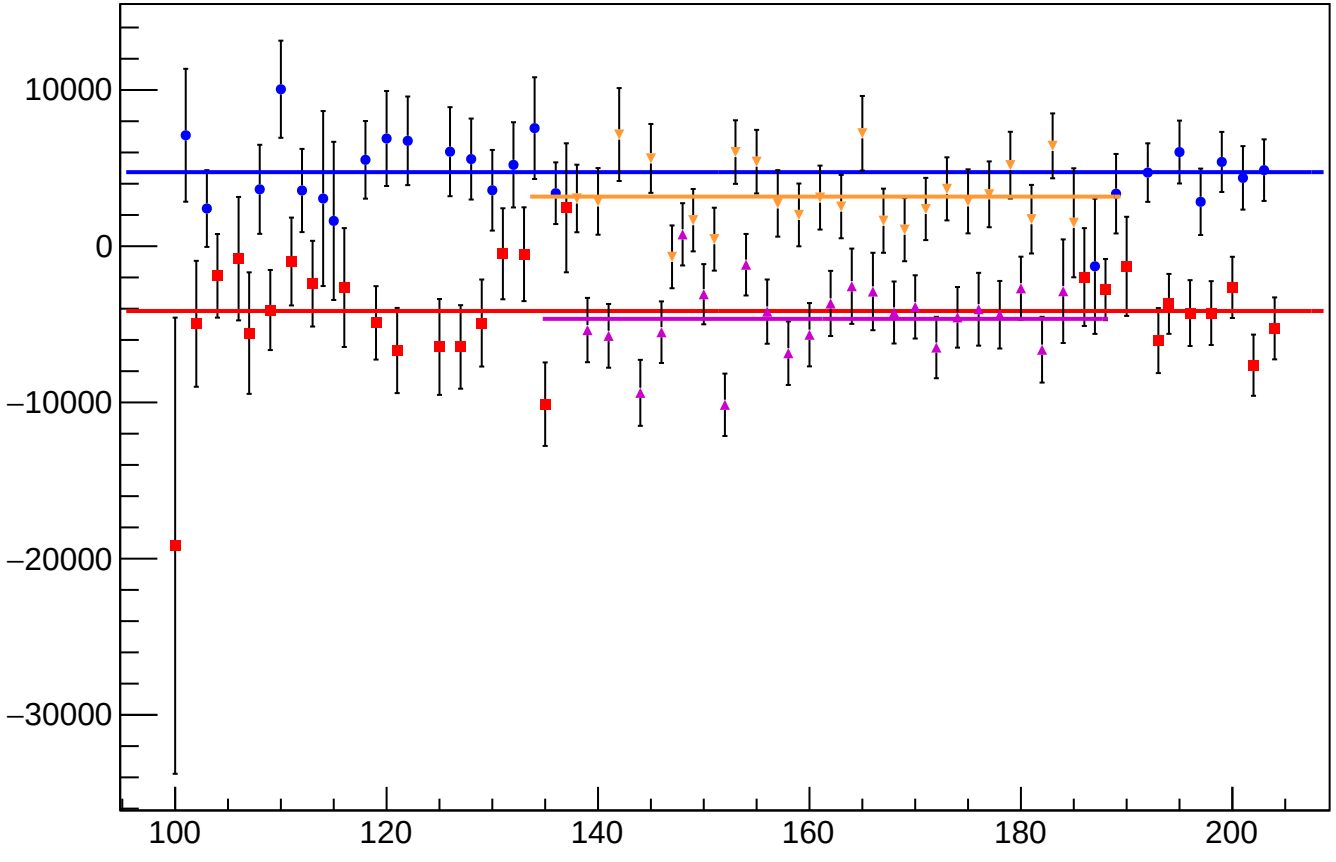
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5767.644+/-0.756 χ^2/NDF: 4680539.0/47

All: 5733.792+/-0.527 χ^2/NDF: 10508738.5/9

- sign 5701.745+/-0.736 χ^2/NDF: 5824297.3/50

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4740.549+/-520.431 χ^2/NDF: 11.4/23

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -4147.267+/-491.522 χ^2/NDF: 24.1/27

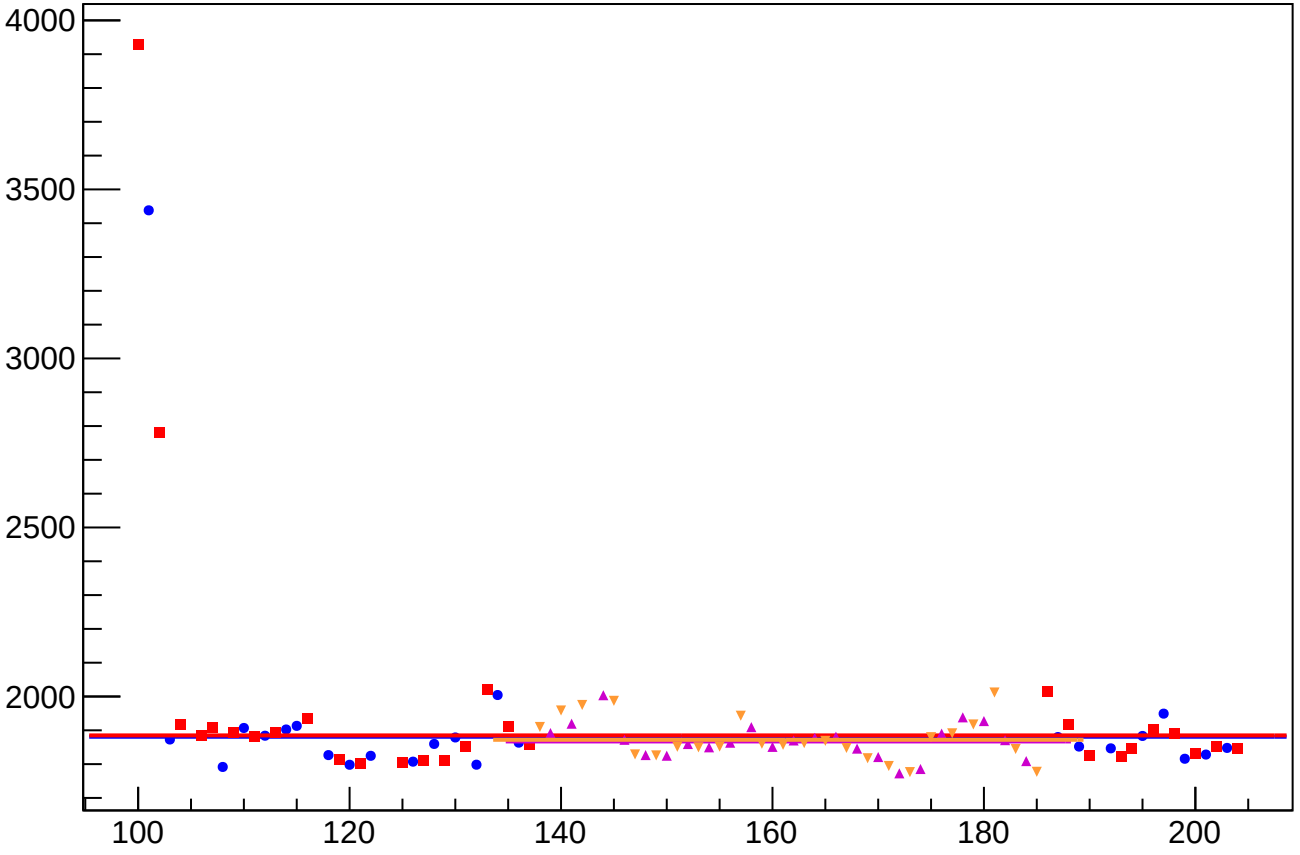
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3818.312+/-333.680 χ^2/NDF: 38.3/47

All: -398.034+/-233.277 χ^2/NDF: 405.9/98

- sign -4428.766+/-326.252 χ^2/NDF: 55.3/50

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1880.994+/-0.368 χ^2/NDF: 287082.1/23

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

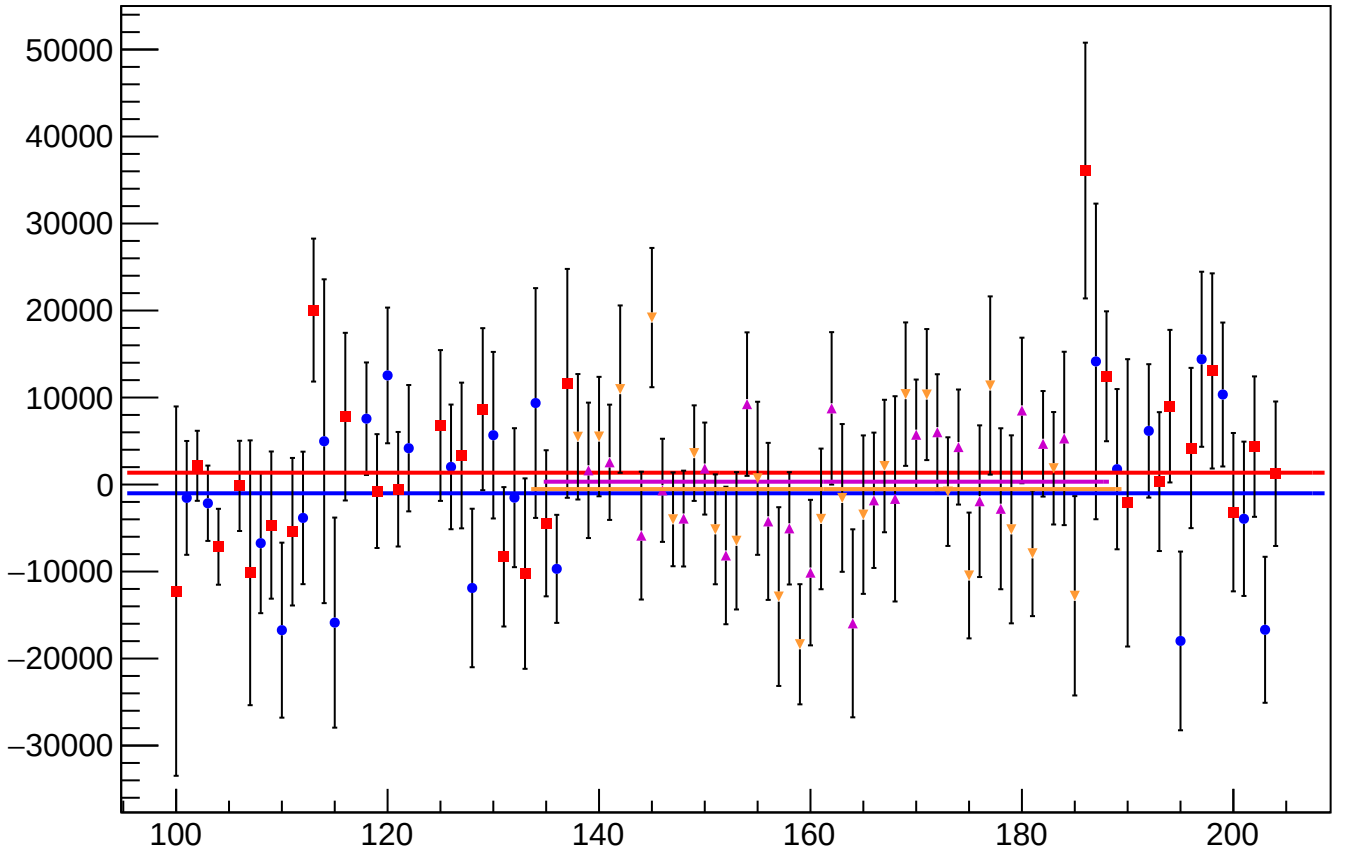
Right Out: 1884.957+/-0.347 χ^2/NDF: 161709.7/27

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1875.685+/-0.236 χ^2/NDF: 324590.3/47

All: 1875.314+/-0.165 χ^2/NDF: 515032.6/98

- sign 1874.960+/-0.231 χ^2/NDF: 190437.5/50



Right In: -1005.090+/-1641.956 χ^2/NDF: 27.0/23

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

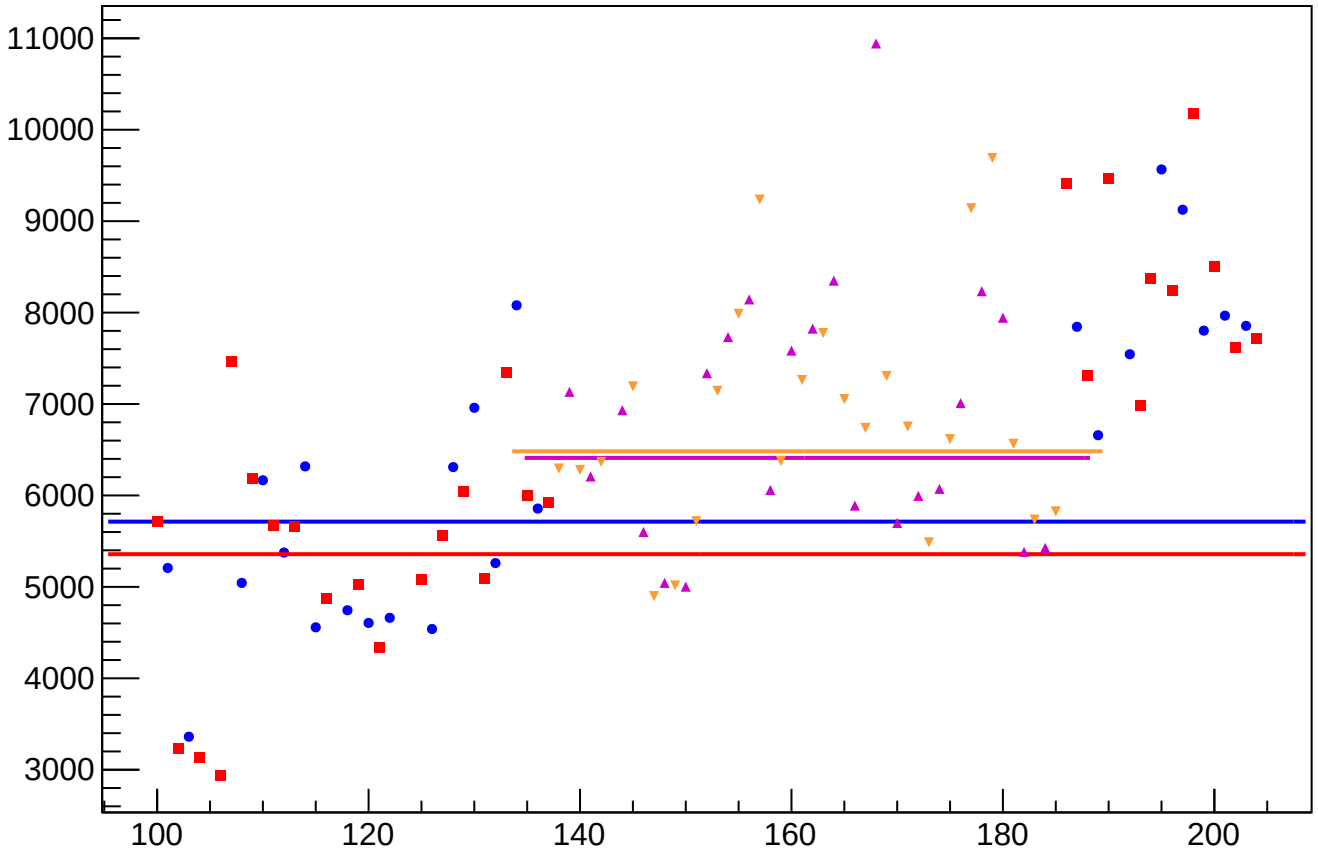
Right Out: 1361.135+/-1478.390 χ^2/NDF: 26.8/27

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

\+ sign -746.653+/-1122.010 χ^2/NDF: 56.2/47

All: 100.410+/-771.475 χ^2/NDF: 97.7/98

\- sign 859.977+/-1062.484 χ^2/NDF: 40.4/50



Right In: 5713.772+/-1.161 χ^2/NDF: 2000985.9/23

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

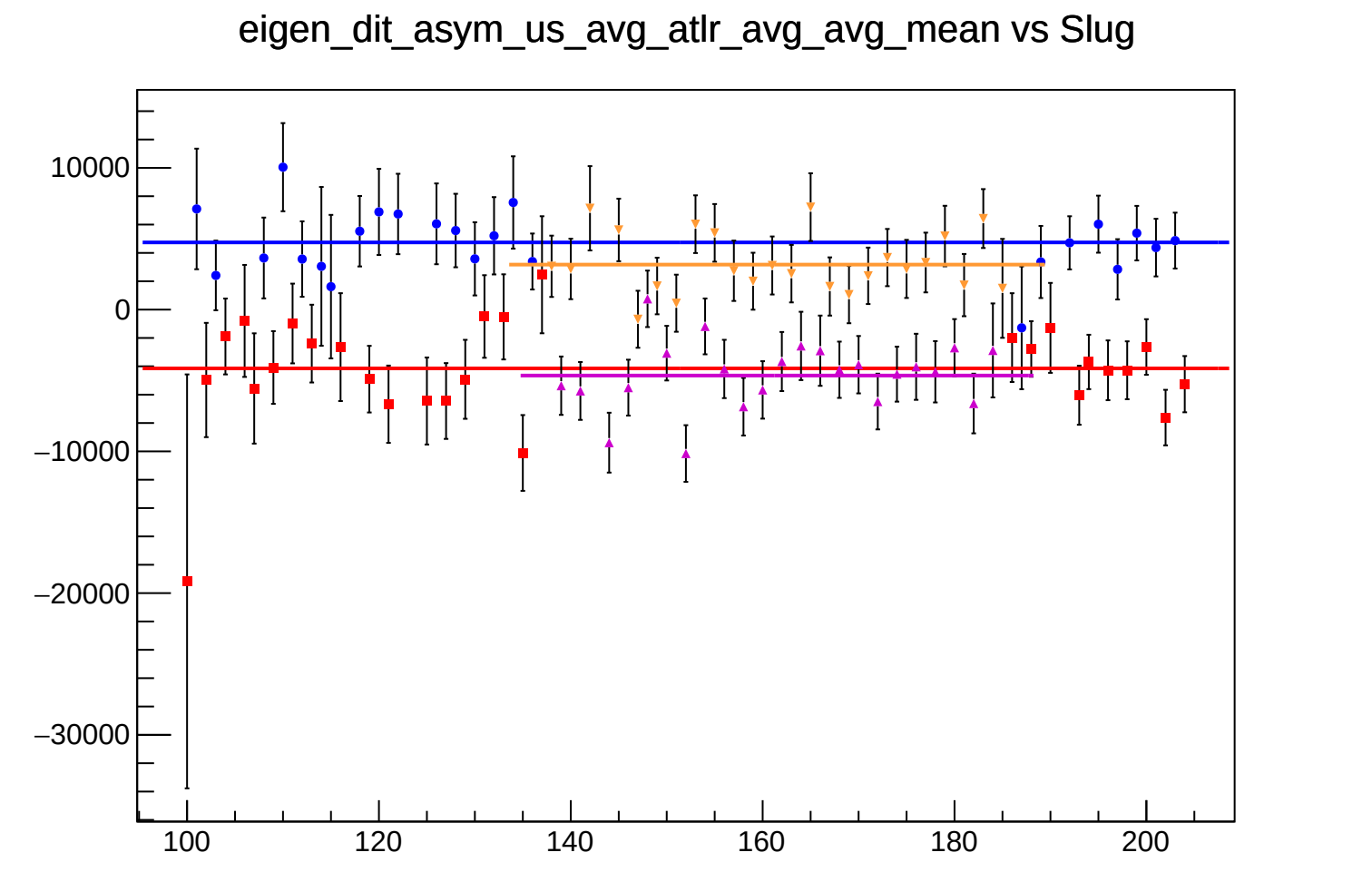
Right Out: 5357.794+/-1.045 χ^2/NDF: 3589918.1/27

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 6123.665+/-0.793 χ^2/NDF: 3309390.0/47

All: 5988.208+/-0.546 χ^2/NDF: 8664656.9/98

- sign 5866.743+/-0.751 χ^2/NDF: 5299978.0/50



Right In: 4740.543+/-520.431 χ^2/NDF: 11.4/23

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -4147.264+/-491.522 χ^2/NDF: 24.1/27

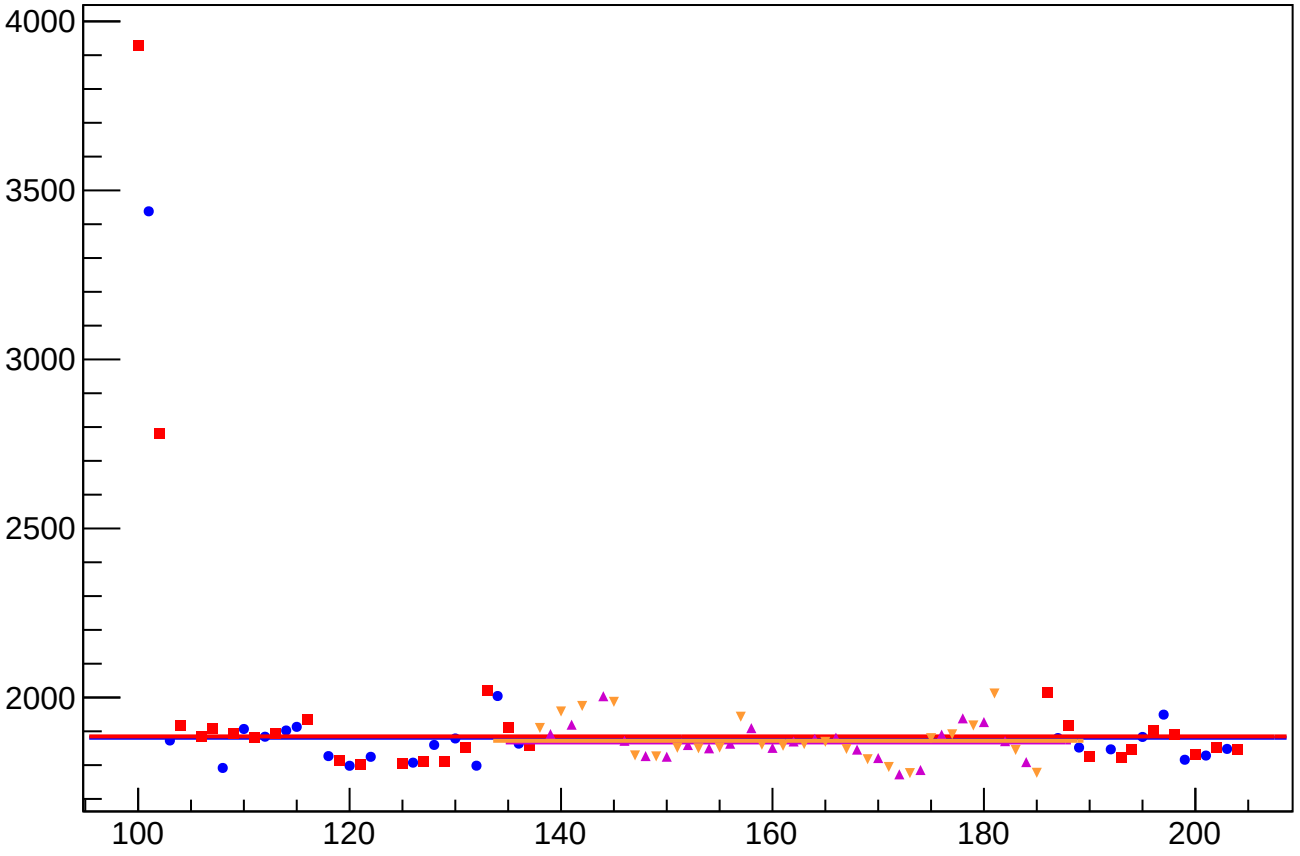
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3818.307+/-333.680 χ^2/NDF: 38.3/47

All: -398.036+/-233.277 χ^2/NDF: 405.9/98

- sign -4428.764+/-326.253 χ^2/NDF: 55.3/50

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1880.993+/-0.368 χ^2/NDF: 287082.2/23

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

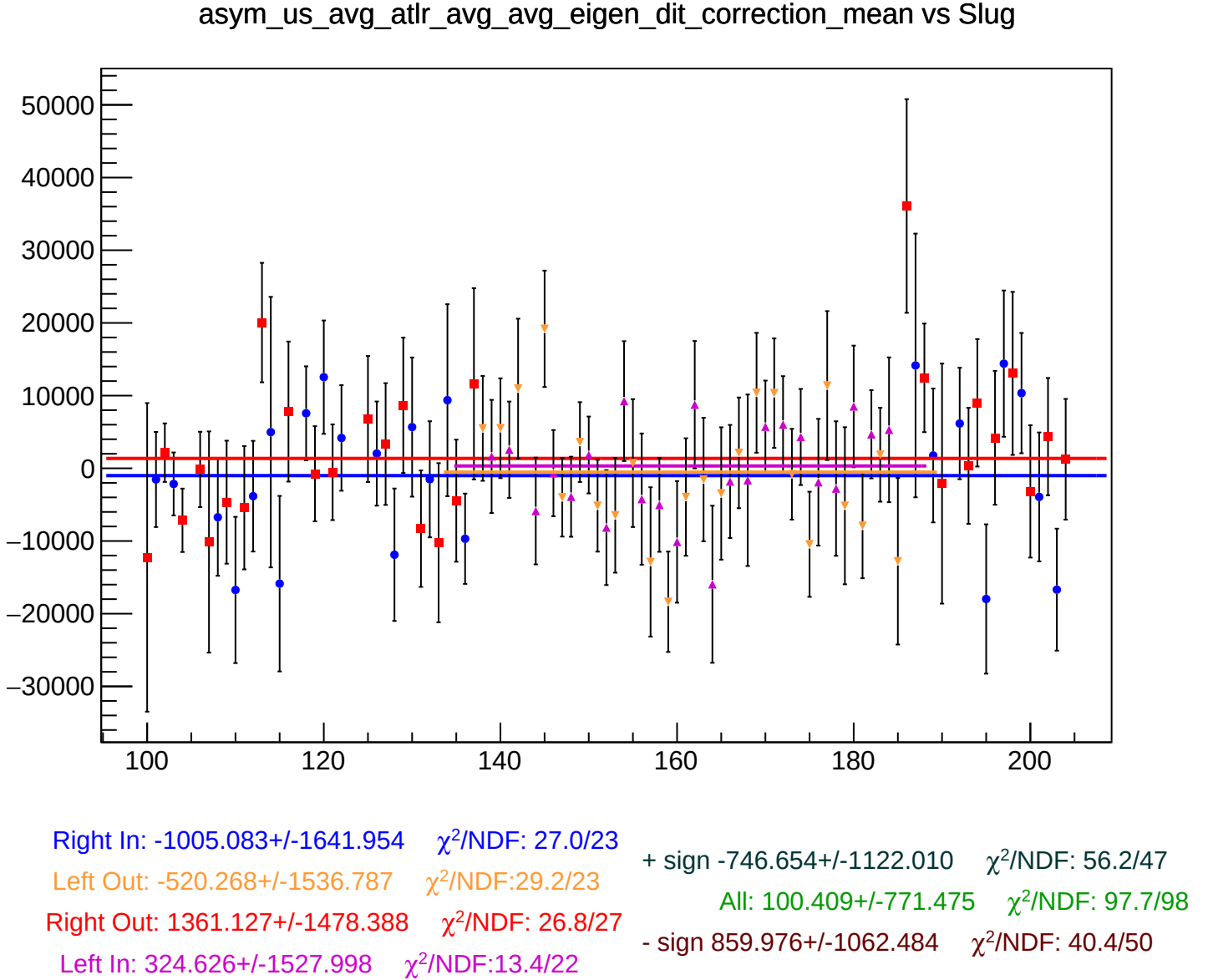
Right Out: 1884.957+/-0.347 χ^2/NDF: 161708.7/27

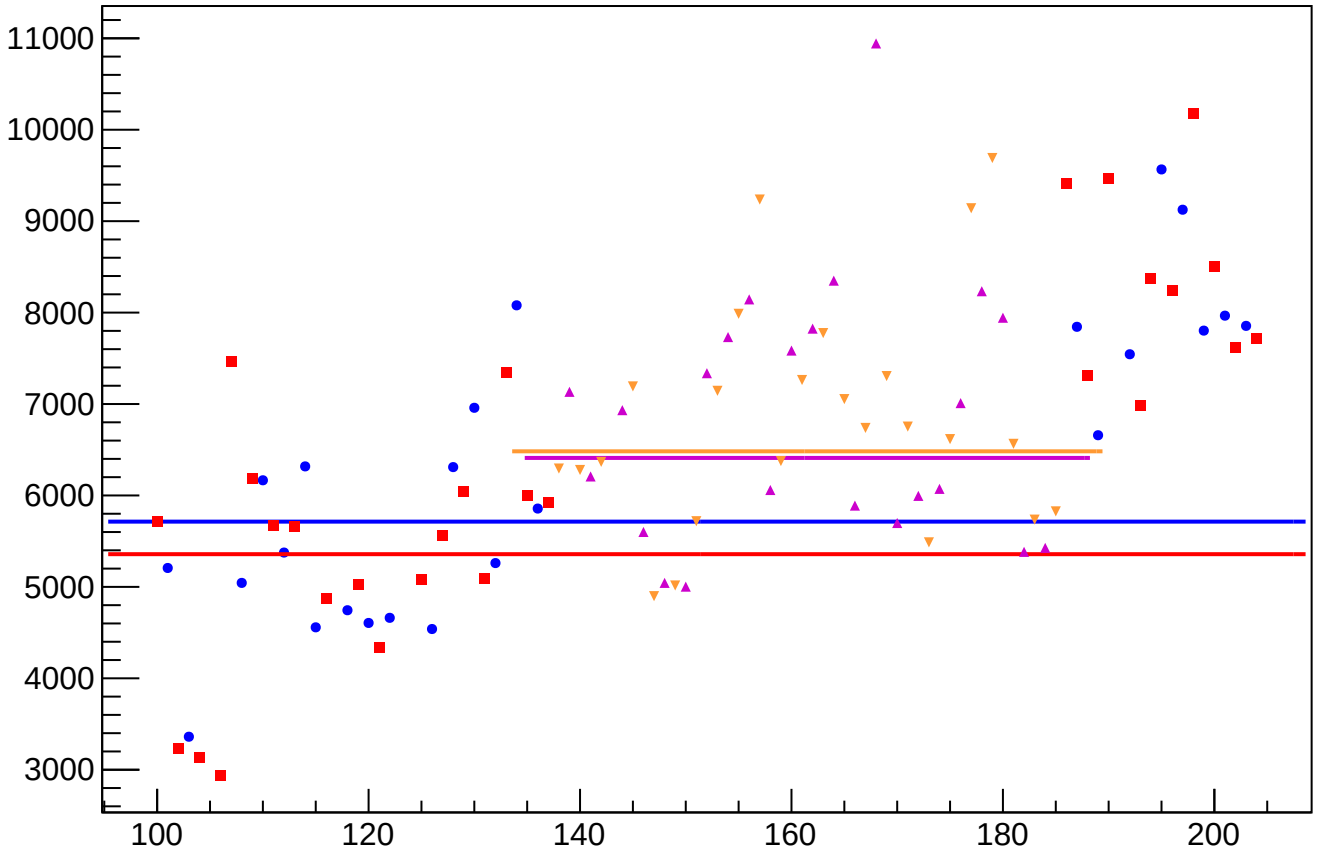
Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1875.686+/-0.236 χ^2/NDF: 324591.3/47

All: 1875.315+/-0.165 χ^2/NDF: 515033.5/98

- sign 1874.961+/-0.231 χ^2/NDF: 190437.4/50


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -1005.083+/-1641.954 χ²/NDF: 27.0/23
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: 1361.127+/-1478.388 χ²/NDF: 26.8/27
Left In: 324.626+/-1527.998 χ²/NDF:13.4/22
+ sign -746.654+/-1122.010 χ²/NDF: 56.2/47
All: 100.409+/-771.475 χ²/NDF: 97.7/98
- sign 859.976+/-1062.484 χ²/NDF: 40.4/50



Right In: 5713.760+/-1.161 χ^2/NDF: 2001008.6/23

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5357.783+/-1.045 χ^2/NDF: 3589943.0/27

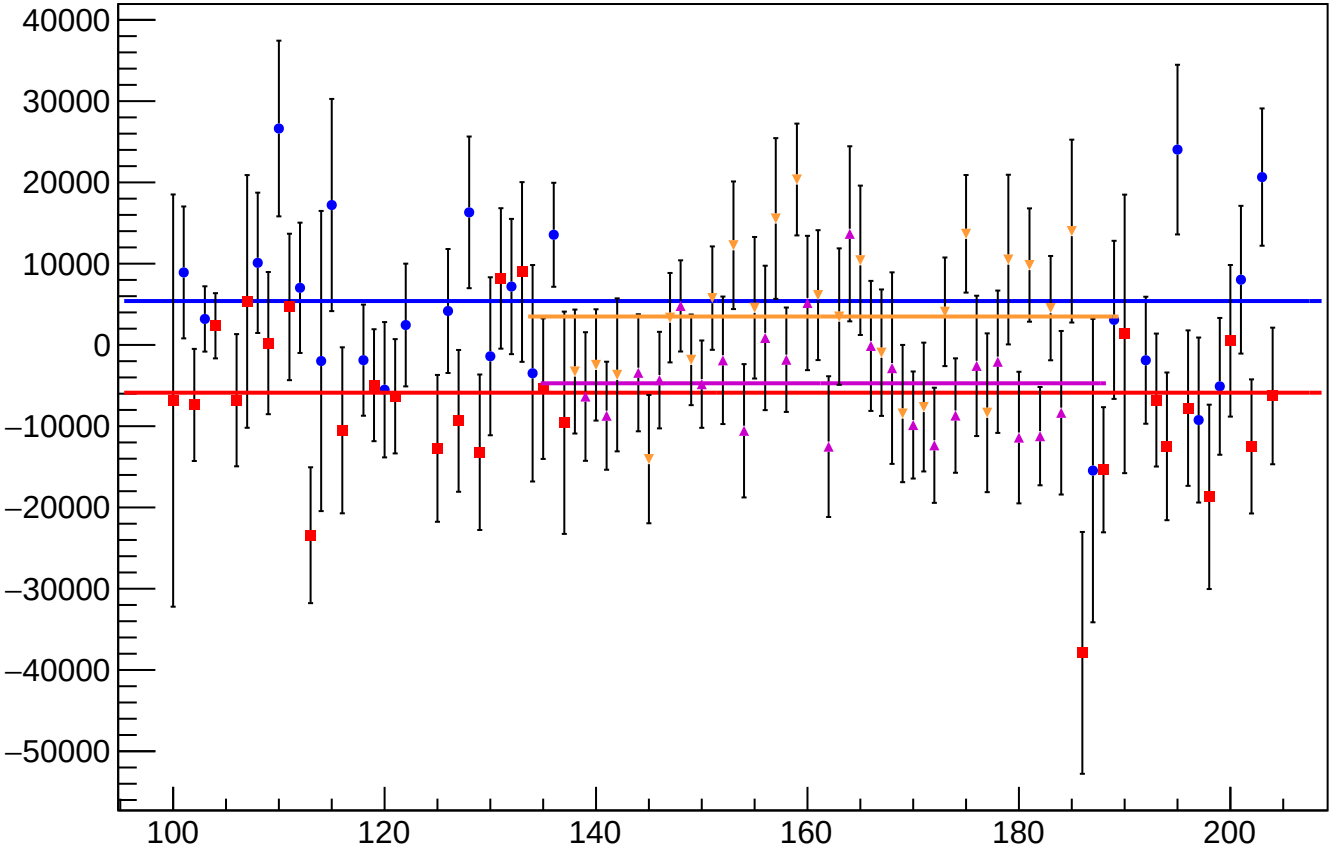
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 6123.664+/-0.793 χ^2/NDF: 3309428.5/47

All: 5988.206+/-0.546 χ^2/NDF: 8664743.6/98

- sign 5866.741+/-0.751 χ^2/NDF: 5300025.6/50

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5400.397+/-1691.693 χ^2/NDF: 25.0/23

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -5878.679+/-1618.016 χ^2/NDF: 26.4/27

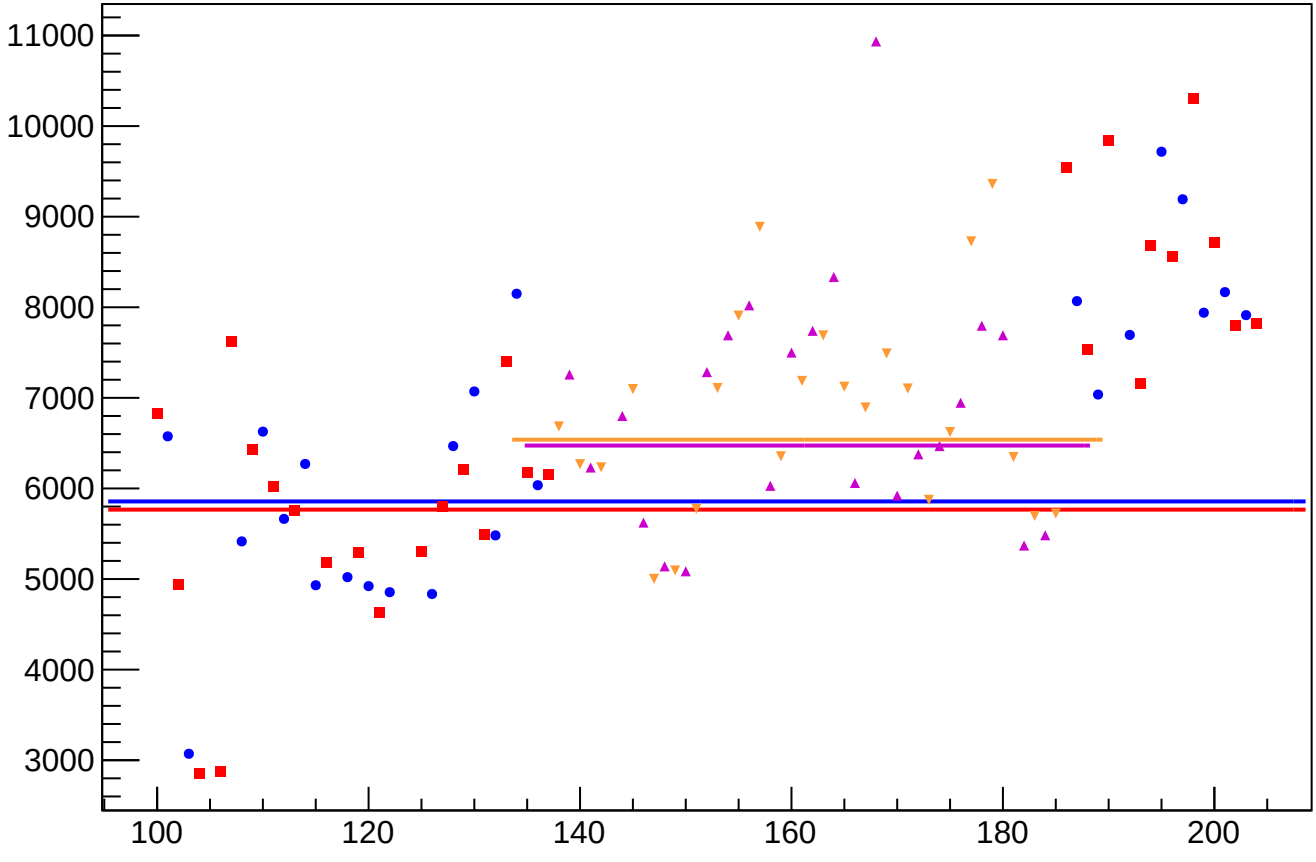
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4363.211+/-1141.160 χ^2/NDF: 53.2/47

All: -564.336+/-797.582 χ^2/NDF: 130.6/98

- sign -5270.180+/-1115.192 χ^2/NDF: 41.0/50

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5856.770+/-1.196 χ^2/NDF: 2262649.5/23

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

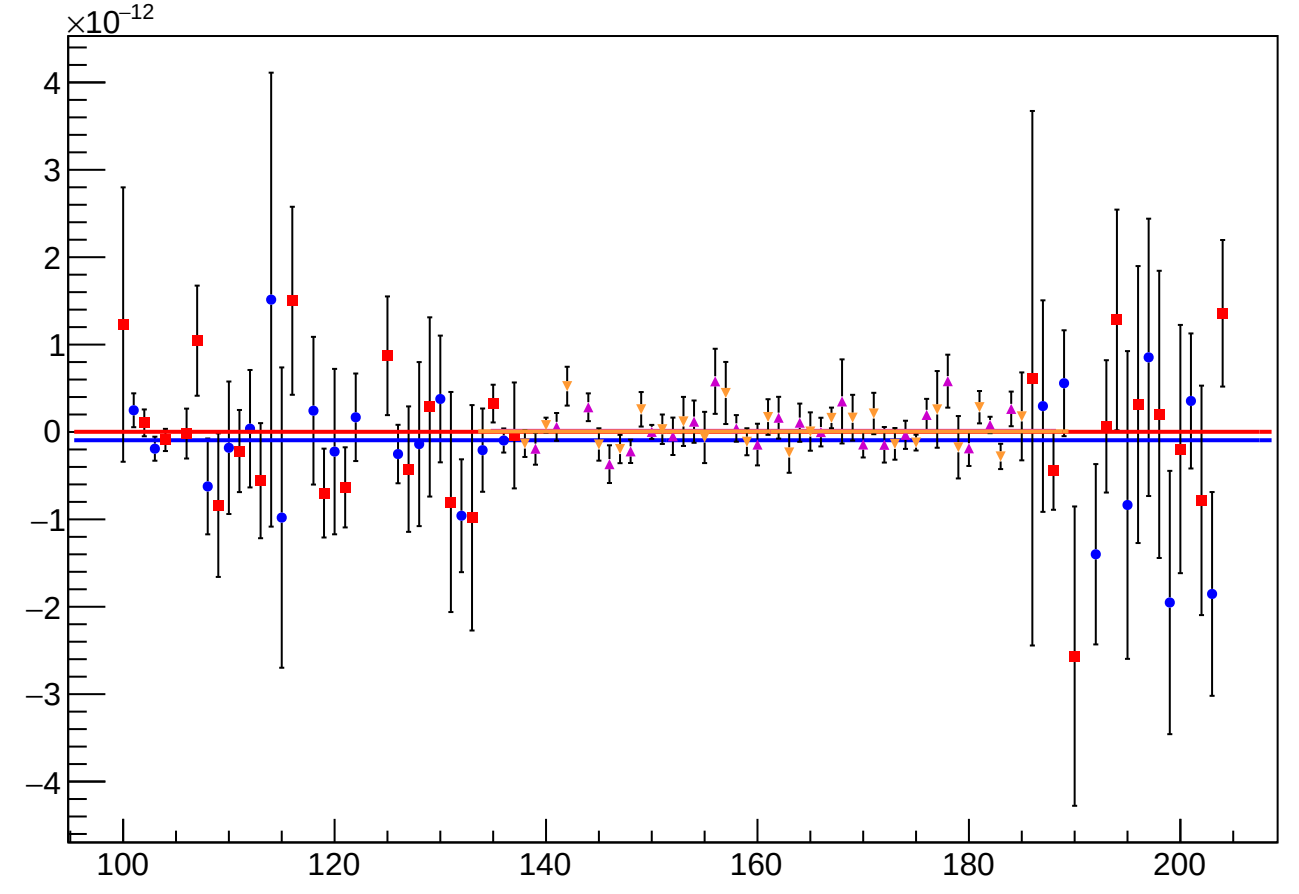
Right Out: 5766.252+/-1.128 χ^2/NDF: 3240280.7/27

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6228.394+/-0.807 χ^2/NDF: 3360372.5/47

All: 6178.953+/-0.562 χ^2/NDF: 7883350.4/98

- sign 6132.389+/-0.783 χ^2/NDF: 4515688.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

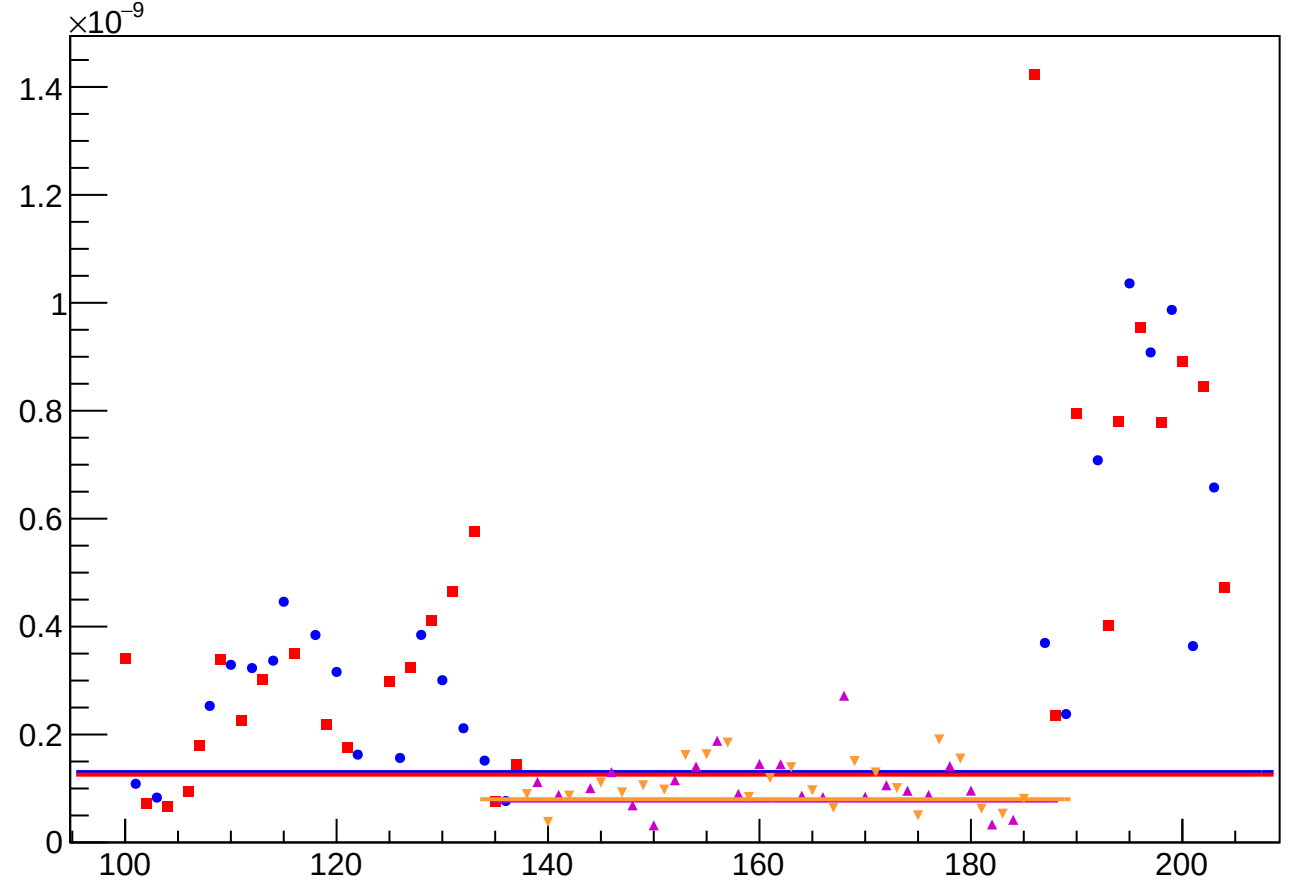
Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/27

Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.4/47

All: 0.000+/-0.000 χ^2/NDF: 93.3/98

- sign 0.000+/-0.000 χ^2/NDF: 48.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 4632320.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

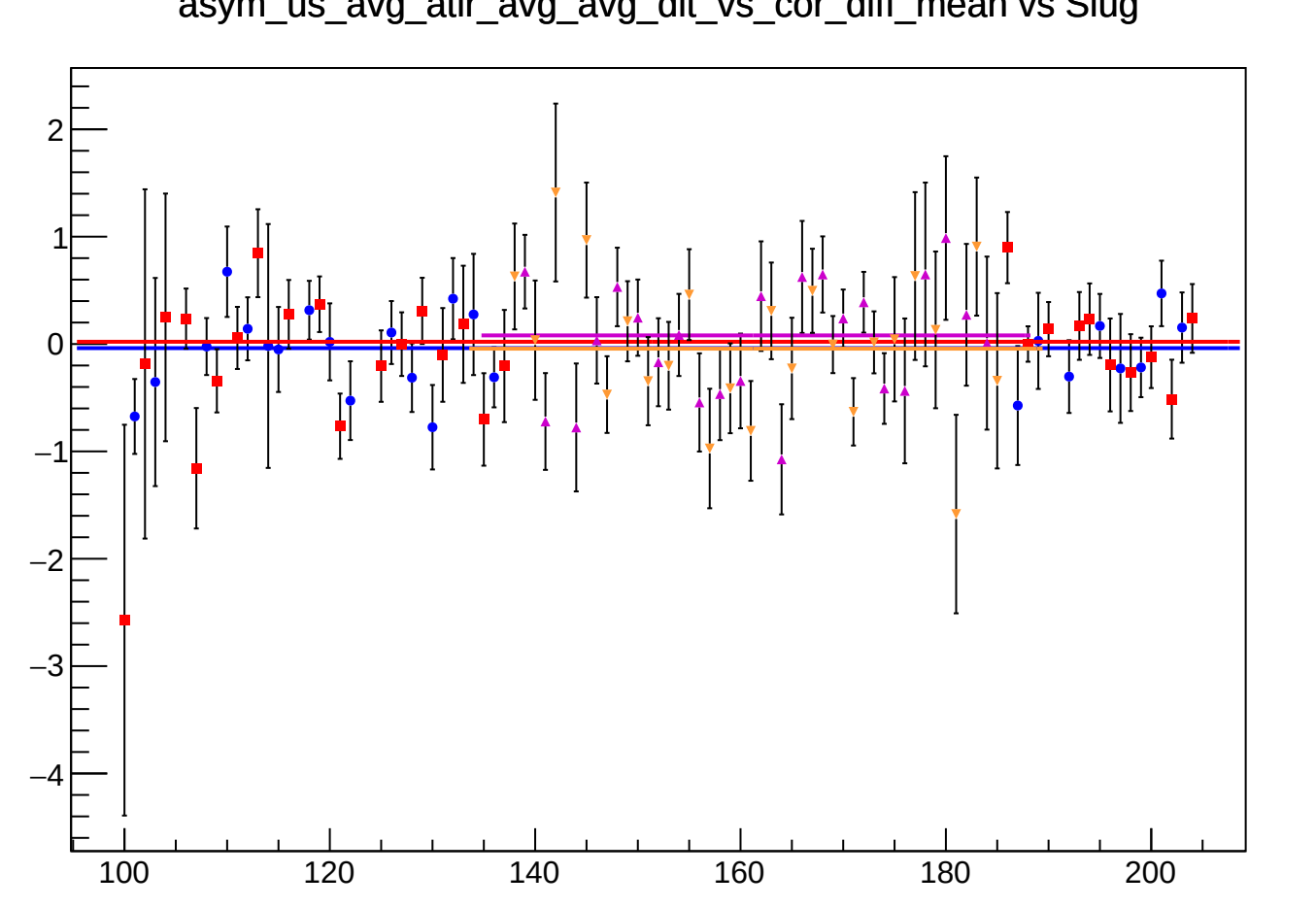
Right Out: 0.000+/-0.000 χ^2/NDF: 6219929.1/27

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7508376.6/47

All: 0.000+/-0.000 χ^2/NDF: 17062530.0/98

- sign 0.000+/-0.000 χ^2/NDF: 9545237.0/50



Right In: -0.038+/-0.072 χ^2/NDF: 23.1/23

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

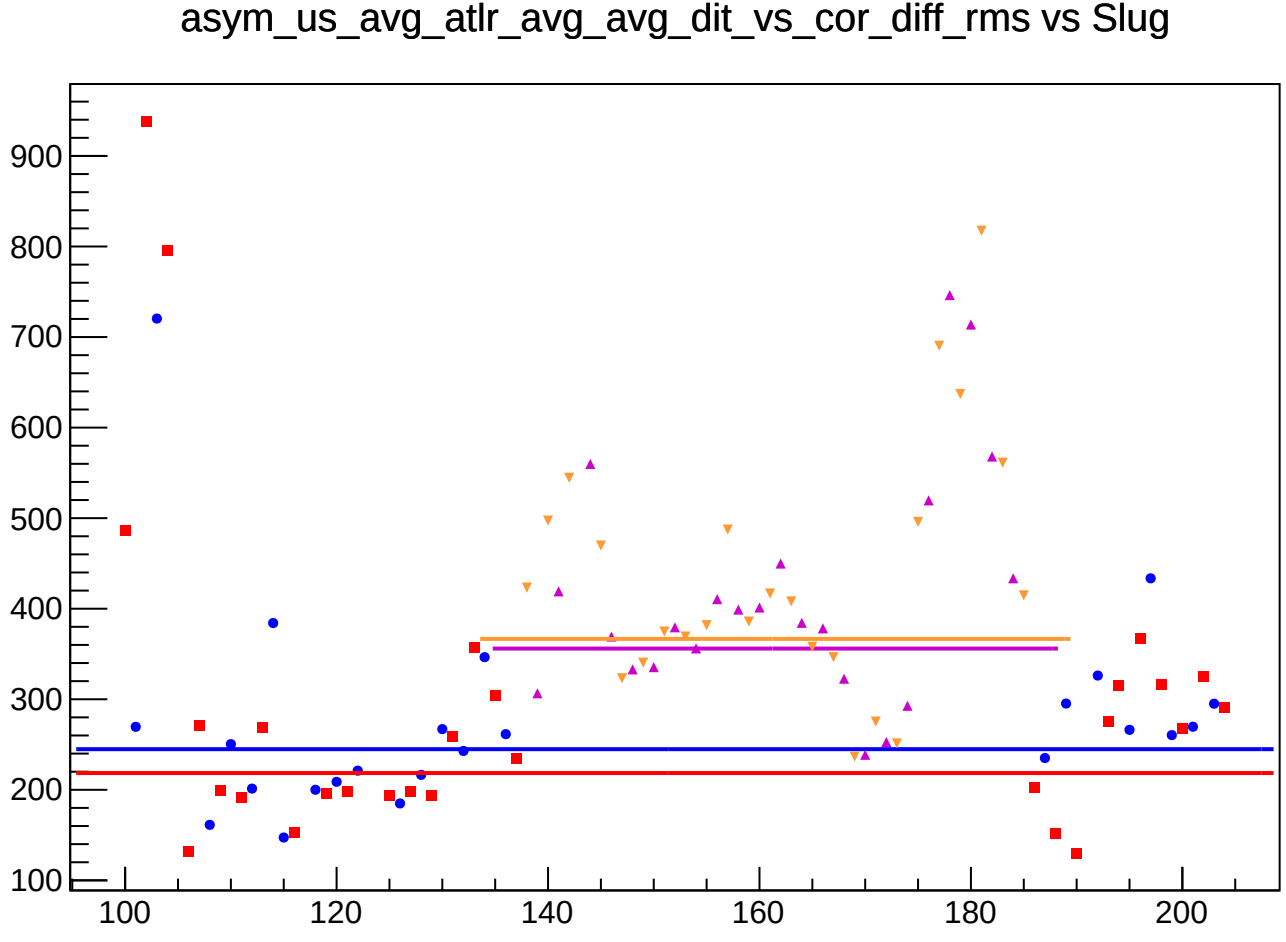
Right Out: 0.021+/-0.063 χ^2/NDF: 37.9/27

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.040+/-0.056 χ^2/NDF: 54.1/47

All: 0.004+/-0.038 χ^2/NDF: 123.8/98

- sign 0.041+/-0.051 χ^2/NDF: 68.5/50



Right In: 244.877+/-0.051 χ^2/NDF: 1639968.0/23

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

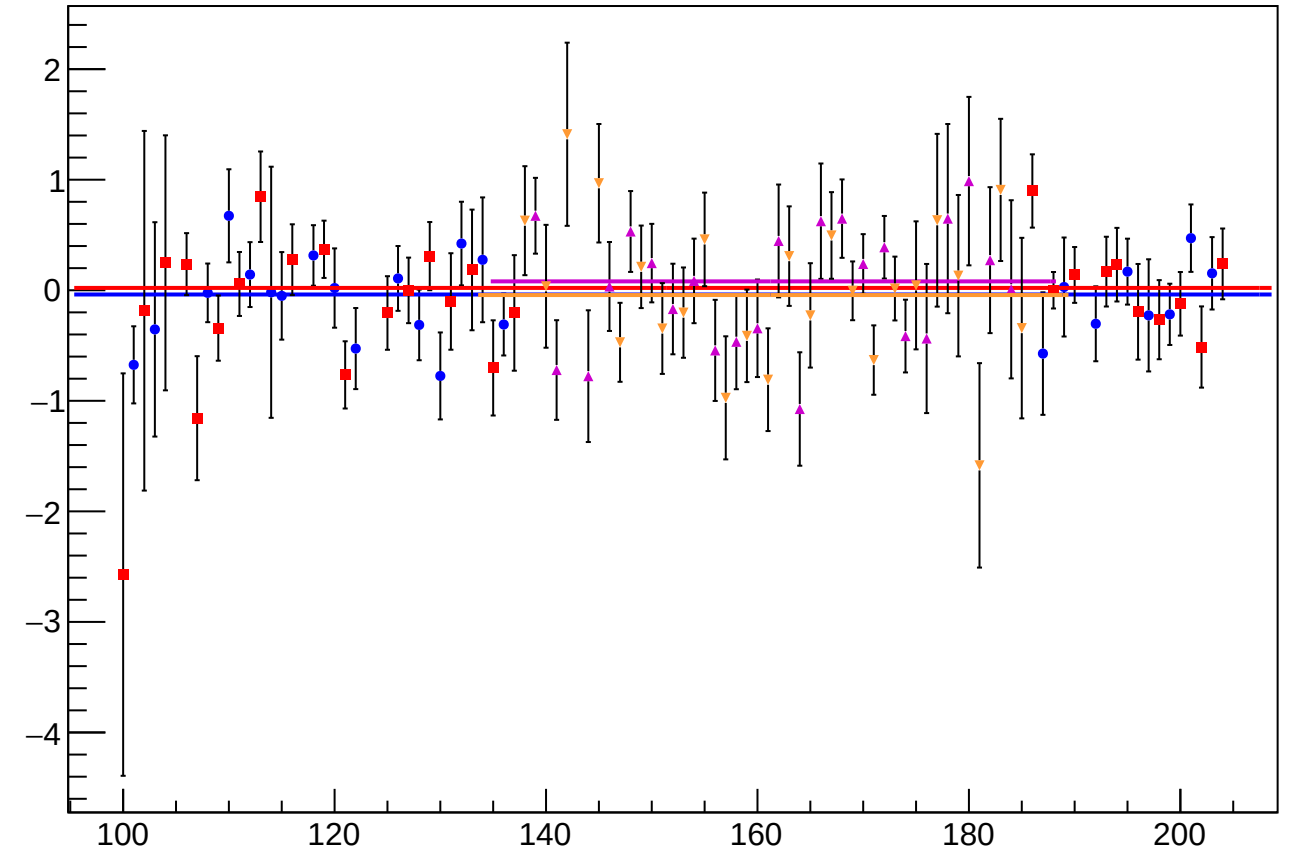
Right Out: 218.512+/-0.044 χ^2/NDF: 3093875.9/27

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.186+/-0.040 χ^2/NDF: 6698430.8/47

All: 277.268+/-0.027 χ^2/NDF: 15714582.2/98

- sign 265.034+/-0.036 χ^2/NDF: 8761268.3/50



Right In: -0.038+/-0.072 χ^2/NDF: 23.1/23

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

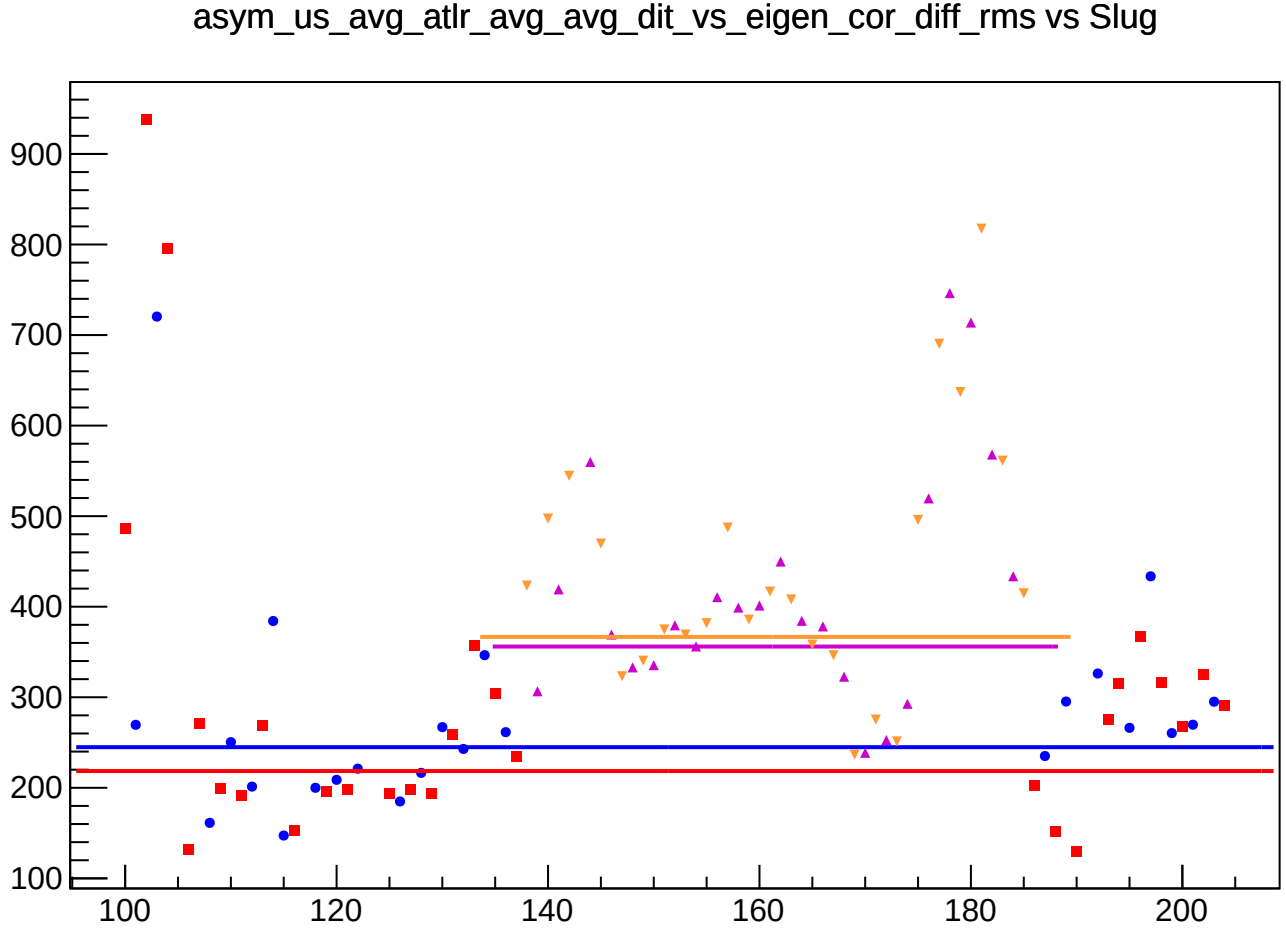
Right Out: 0.021+/-0.063 χ^2/NDF: 37.9/27

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.040+/-0.056 χ^2/NDF: 54.1/47

All: 0.004+/-0.038 χ^2/NDF: 123.8/98

- sign 0.041+/-0.051 χ^2/NDF: 68.5/50



Right In: 244.877+/-0.051 χ^2/NDF: 1639968.0/23

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

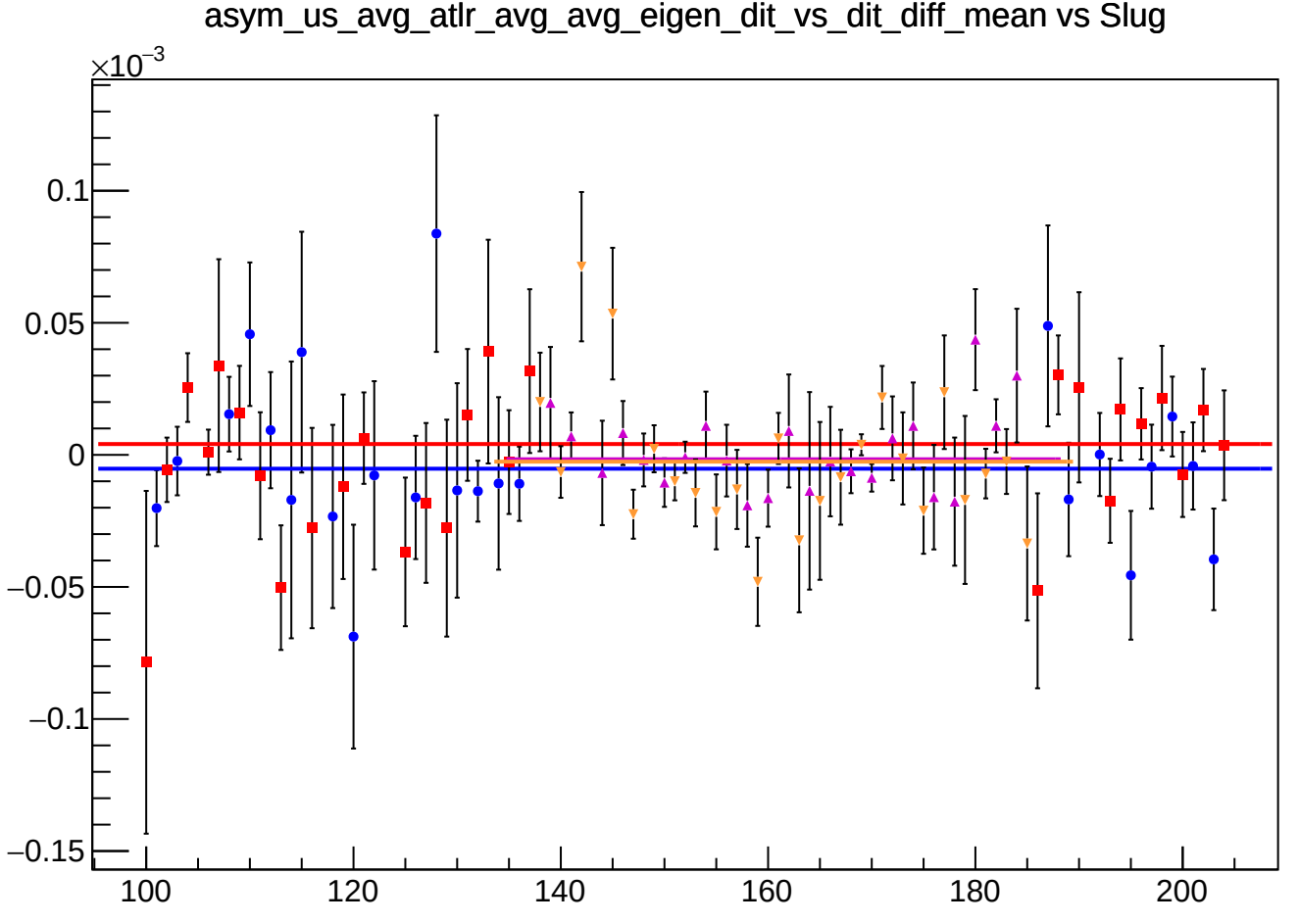
Right Out: 218.512+/-0.044 χ^2/NDF: 3093875.9/27

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.186+/-0.040 χ^2/NDF: 6698430.8/47

All: 277.268+/-0.027 χ^2/NDF: 15714582.2/98

- sign 265.034+/-0.036 χ^2/NDF: 8761268.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/23

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

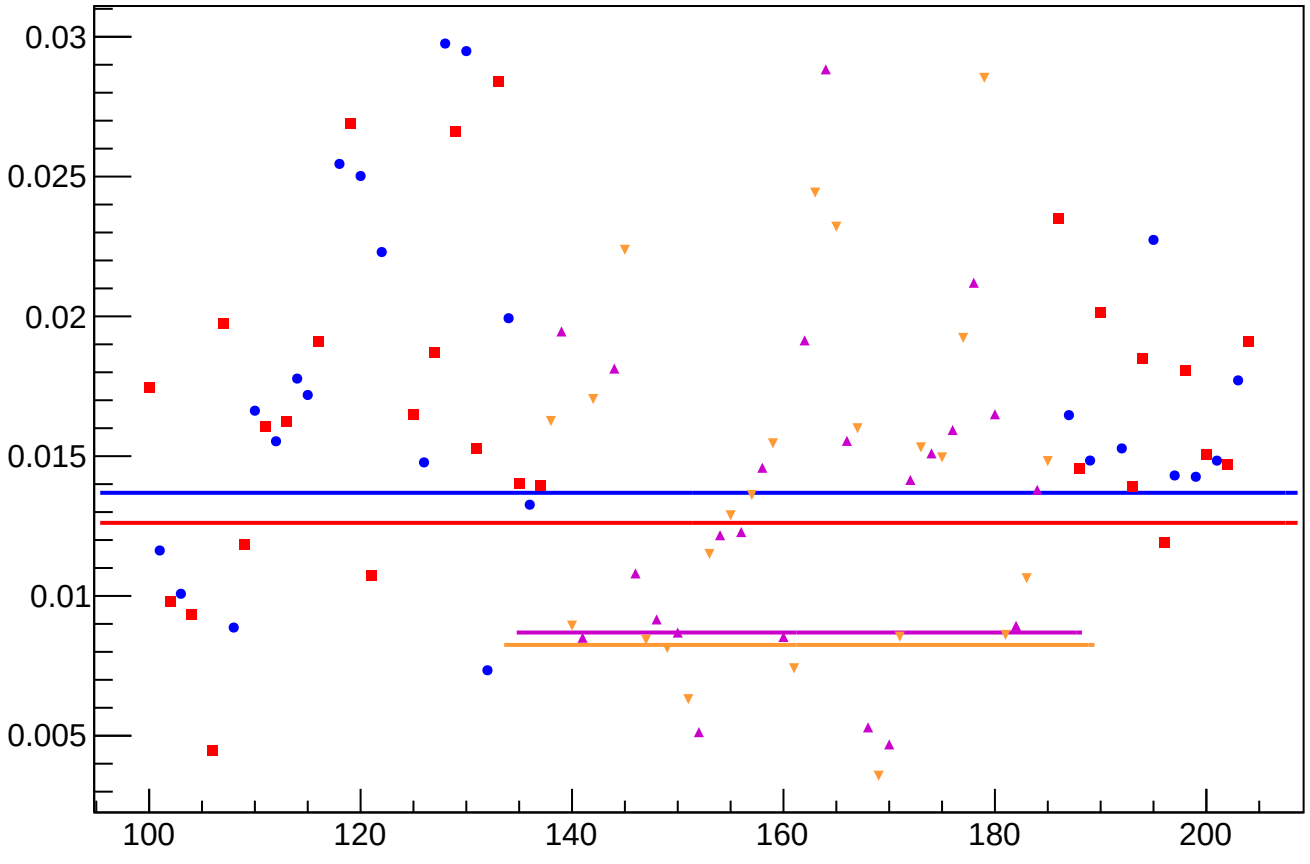
Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/27

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.6/47

All: -0.000+/-0.000 χ^2/NDF: 121.4/98

- sign 0.000+/-0.000 χ^2/NDF: 50.4/50



Right In: 0.014+/-0.000 χ^2/NDF: 2640642.4/23

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

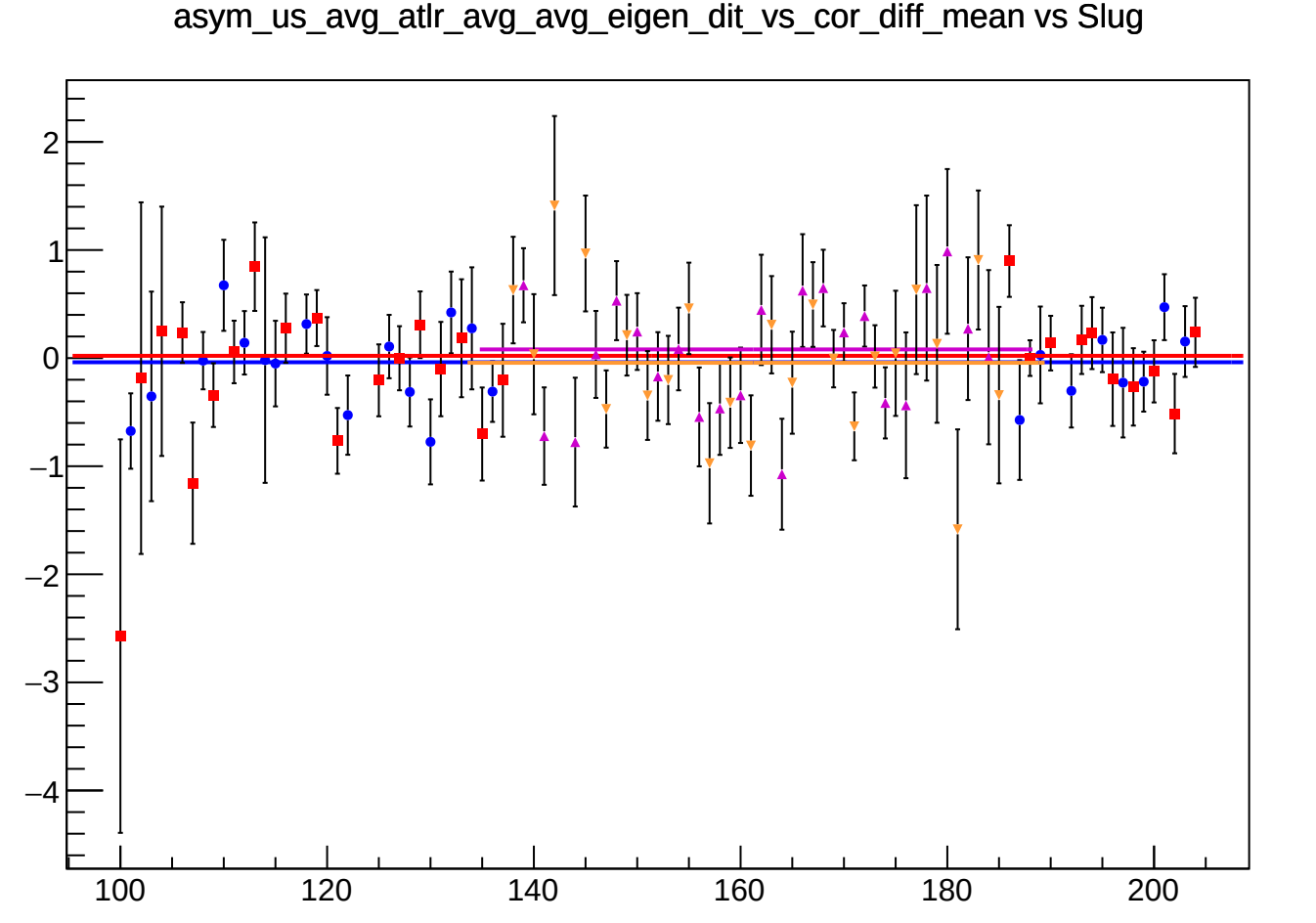
Right Out: 0.013+/-0.000 χ^2/NDF: 4231214.1/27

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 14301989.8/47

All: 0.010+/-0.000 χ^2/NDF: 27118378.2/98

- sign 0.010+/-0.000 χ^2/NDF: 12790394.5/50



Right In: -0.038+/-0.072 χ^2/NDF: 23.1/23

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

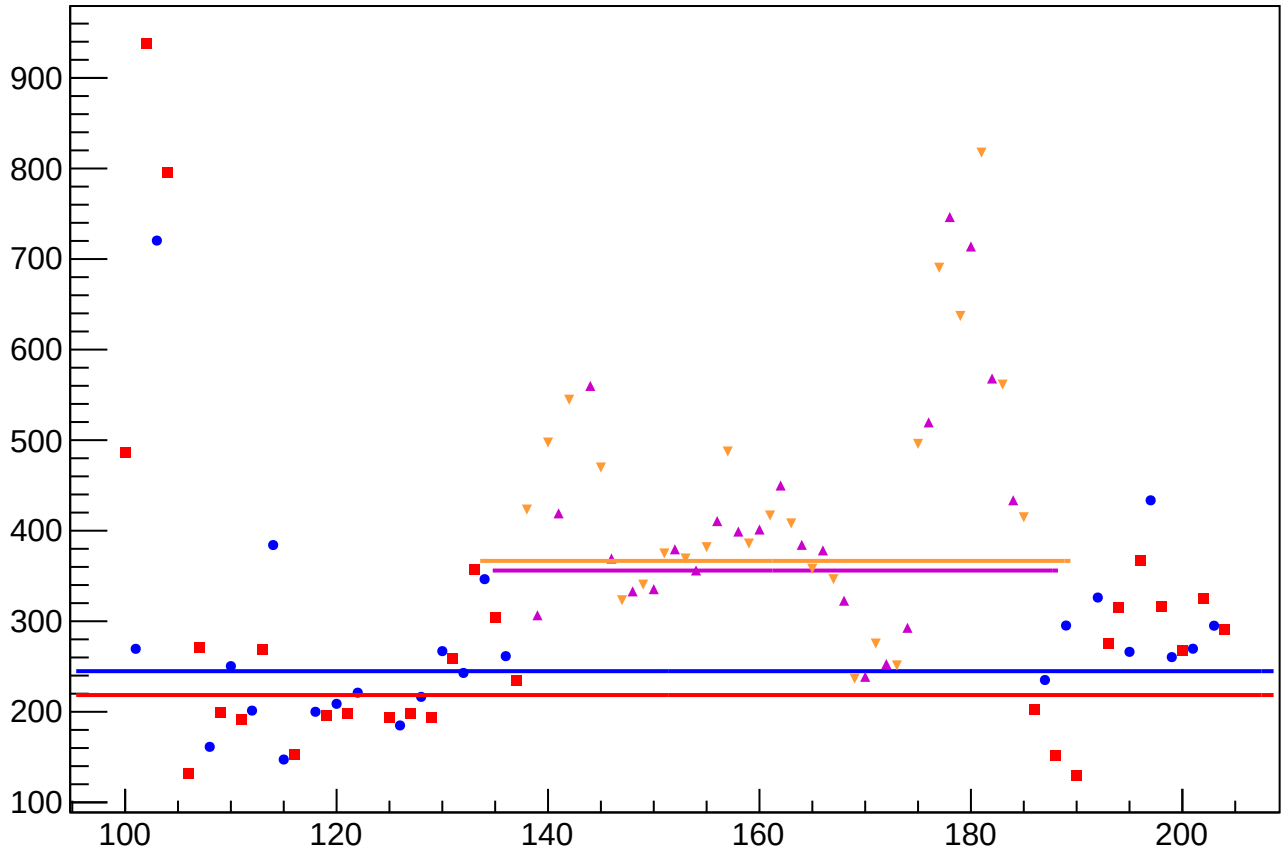
Right Out: 0.021+/-0.063 χ^2/NDF: 37.9/27

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.040+/-0.056 χ^2/NDF: 54.1/47

All: 0.004+/-0.038 χ^2/NDF: 123.8/98

- sign 0.041+/-0.051 χ^2/NDF: 68.5/50



Right In: 244.876+/-0.051 χ^2/NDF: 1639977.8/23

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

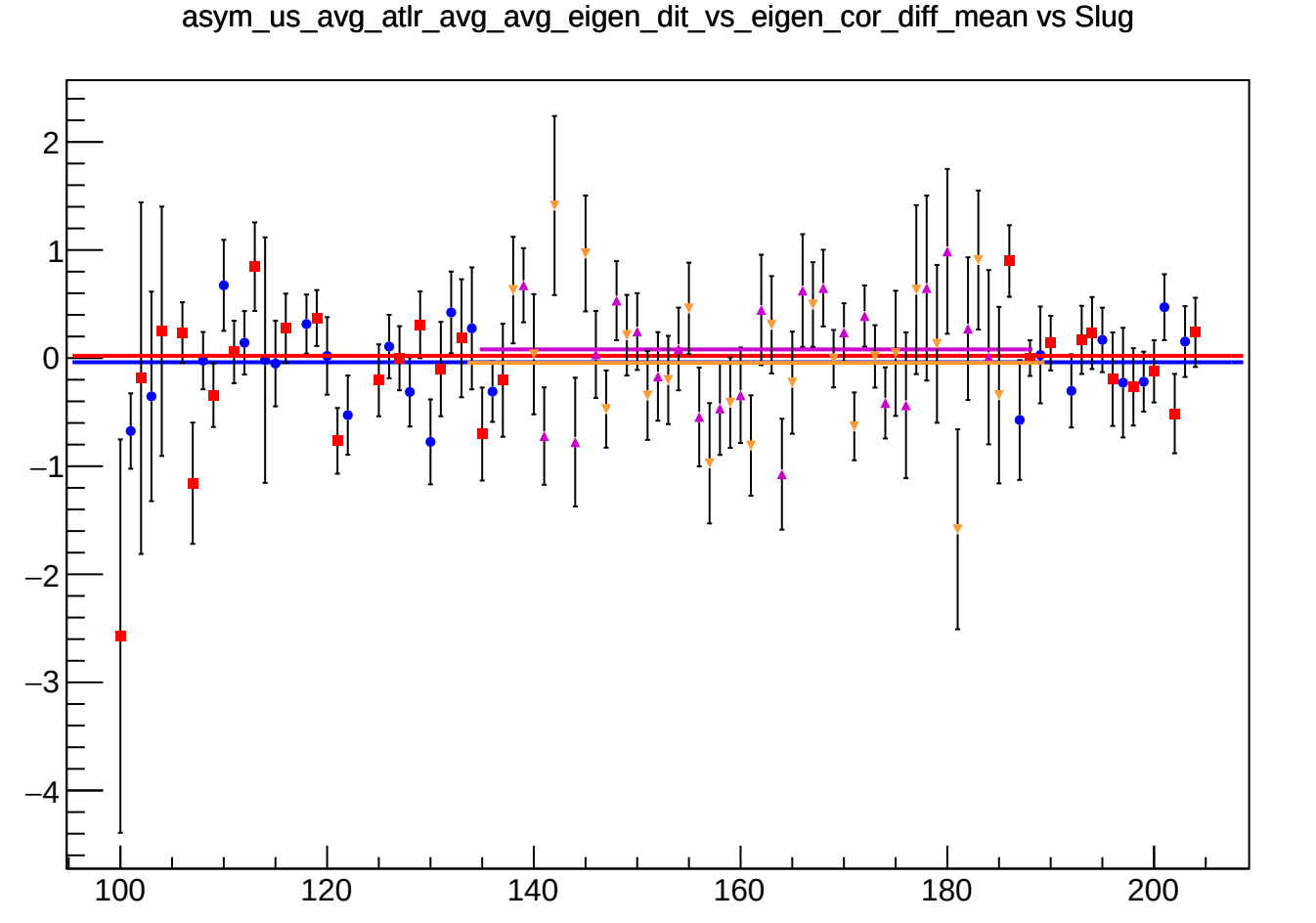
Right Out: 218.509+/-0.044 χ^2/NDF: 3093956.4/27

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.185+/-0.040 χ^2/NDF: 6698708.5/47

All: 277.266+/-0.027 χ^2/NDF: 15715333.3/98

- sign 265.031+/-0.036 χ^2/NDF: 8761713.0/50



Right In: -0.038+/-0.072 χ^2/NDF: 23.1/23

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

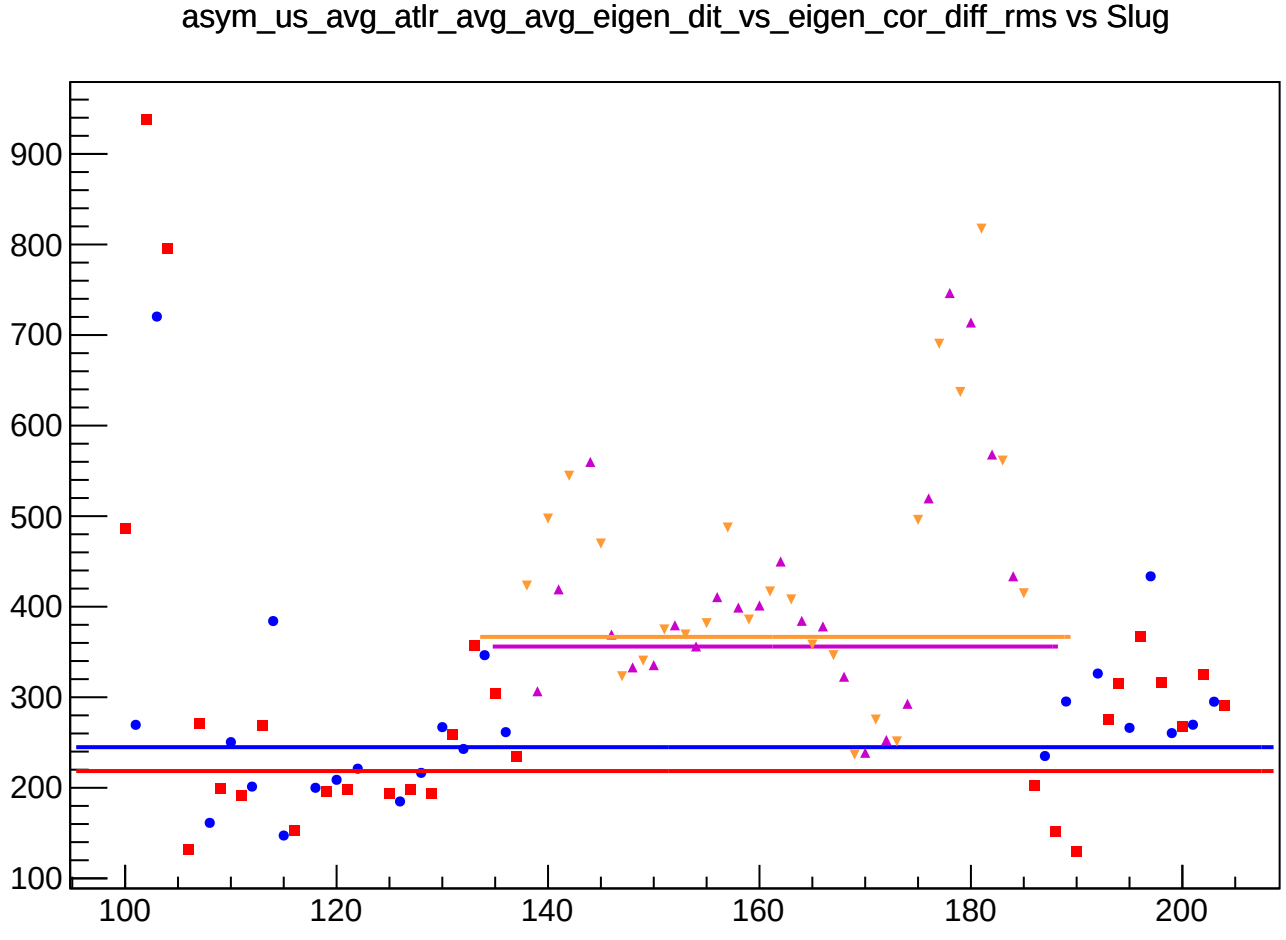
Right Out: 0.021+/-0.063 χ^2/NDF: 37.9/27

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.040+/-0.056 χ^2/NDF: 54.1/47

All: 0.004+/-0.038 χ^2/NDF: 123.8/98

- sign 0.041+/-0.051 χ^2/NDF: 68.5/50



Right In: 244.876+/-0.051 χ^2/NDF: 1639977.8/23

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

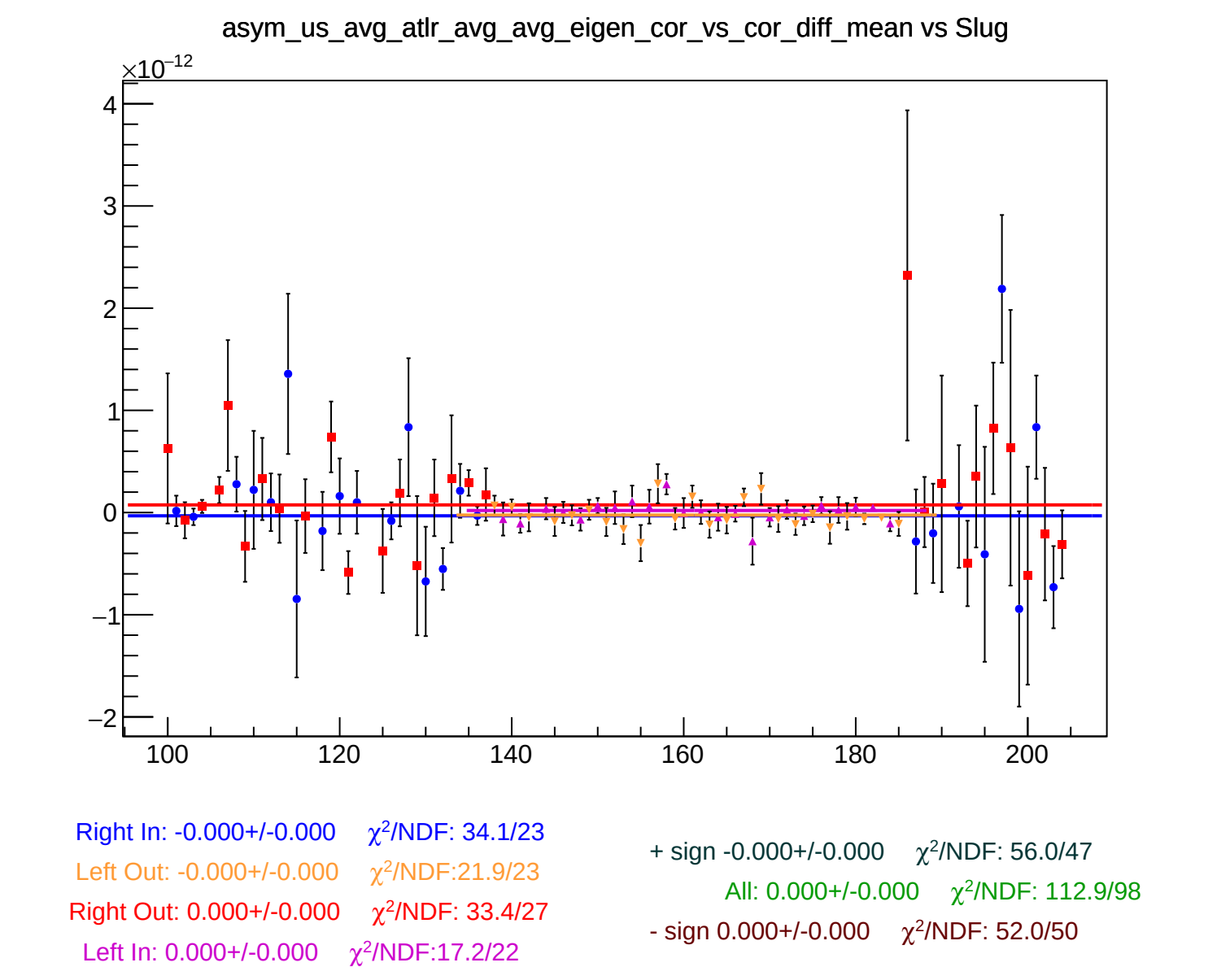
Right Out: 218.509+/-0.044 χ^2/NDF: 3093956.4/27

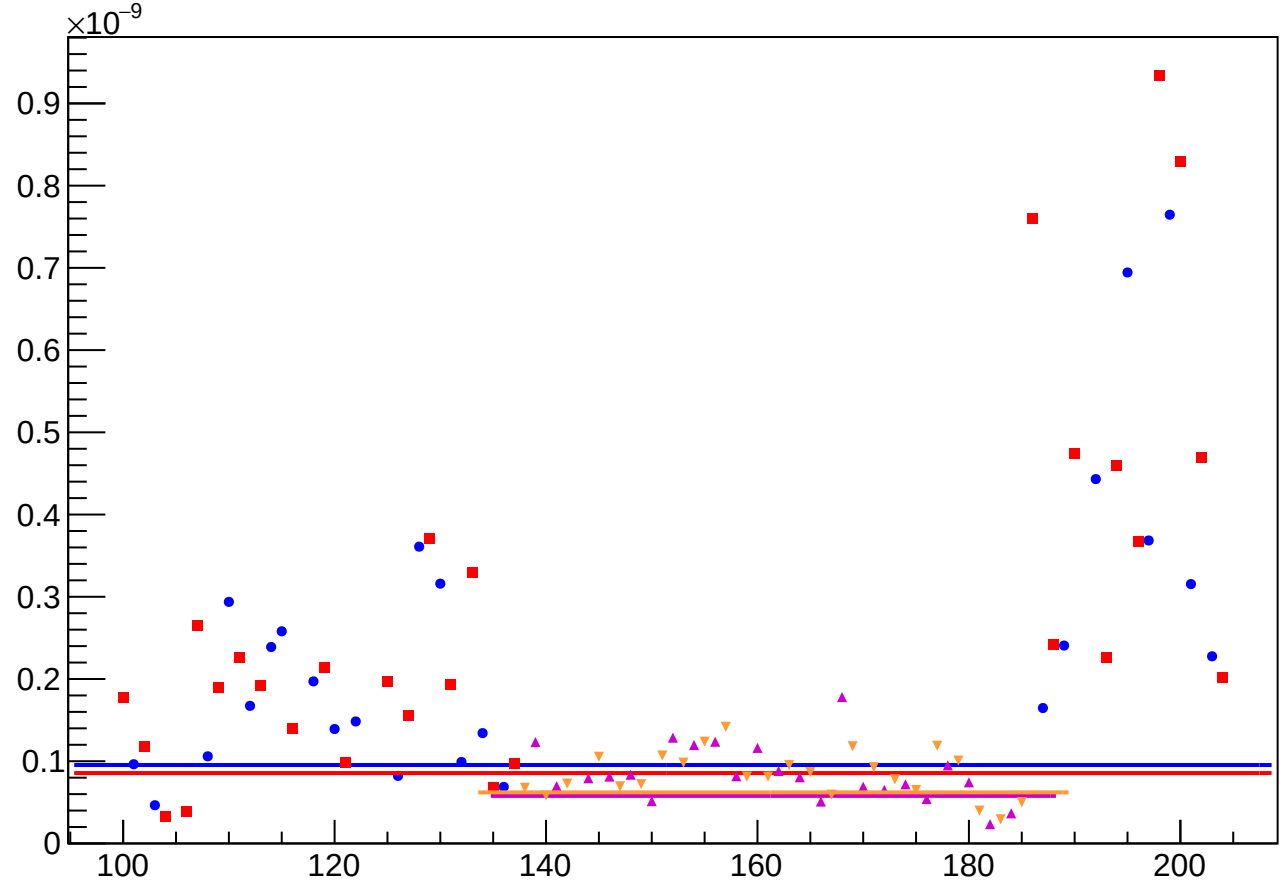
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.185+/-0.040 χ^2/NDF: 6698708.5/47

All: 277.266+/-0.027 χ^2/NDF: 15715333.3/98

- sign 265.031+/-0.036 χ^2/NDF: 8761713.0/50


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 34.1/23
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 33.4/27
Left In: 0.000+/-0.000 χ²/NDF:17.2/22
+ sign -0.000+/-0.000 χ²/NDF: 56.0/47
All: 0.000+/-0.000 χ²/NDF: 112.9/98
- sign 0.000+/-0.000 χ²/NDF: 52.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 5760587.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8875250.8/27

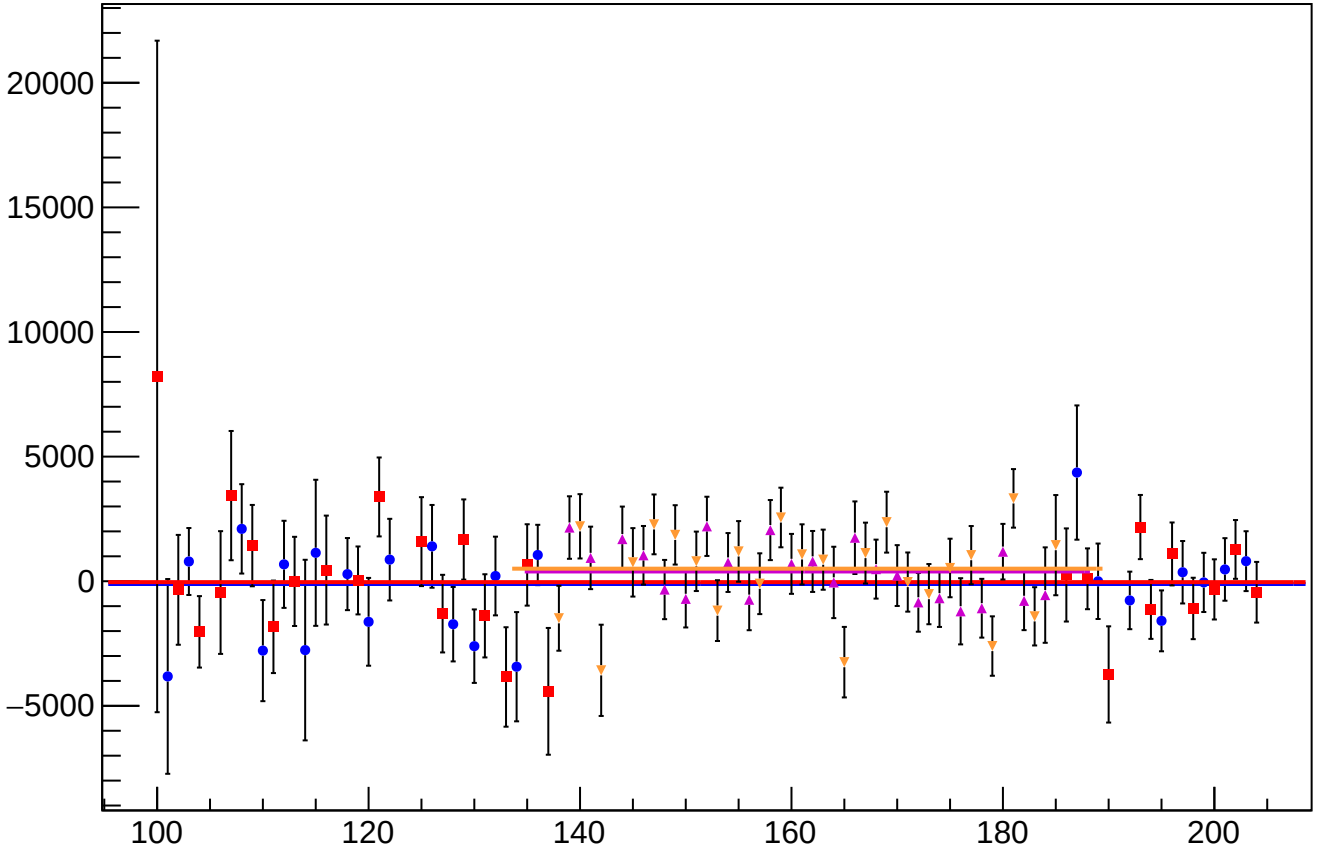
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10756978.0/47

All: 0.000+/-0.000 χ^2/NDF: 25932855.1/98

- sign 0.000+/-0.000 χ^2/NDF: 15094976.7/50

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -110.857+/-314.680 χ^2/NDF: 20.3/23

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -36.330+/-297.488 χ^2/NDF: 31.1/27

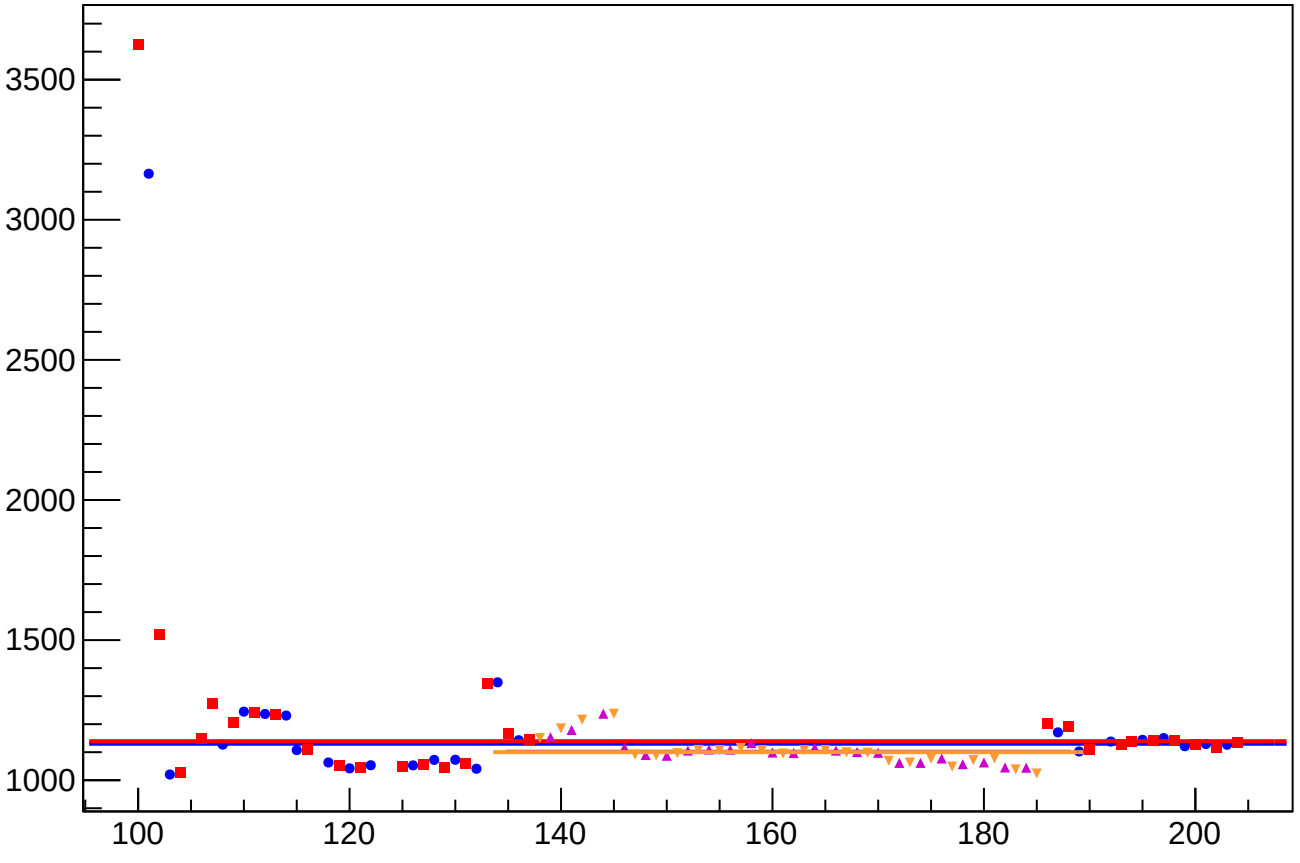
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 259.435+/-198.366 χ^2/NDF: 67.2/47

All: 233.465+/-138.932 χ^2/NDF: 117.3/98

- sign 208.460+/-194.645 χ^2/NDF: 50.1/50

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1130.185+/-0.223 χ^2/NDF: 623558.1/23

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

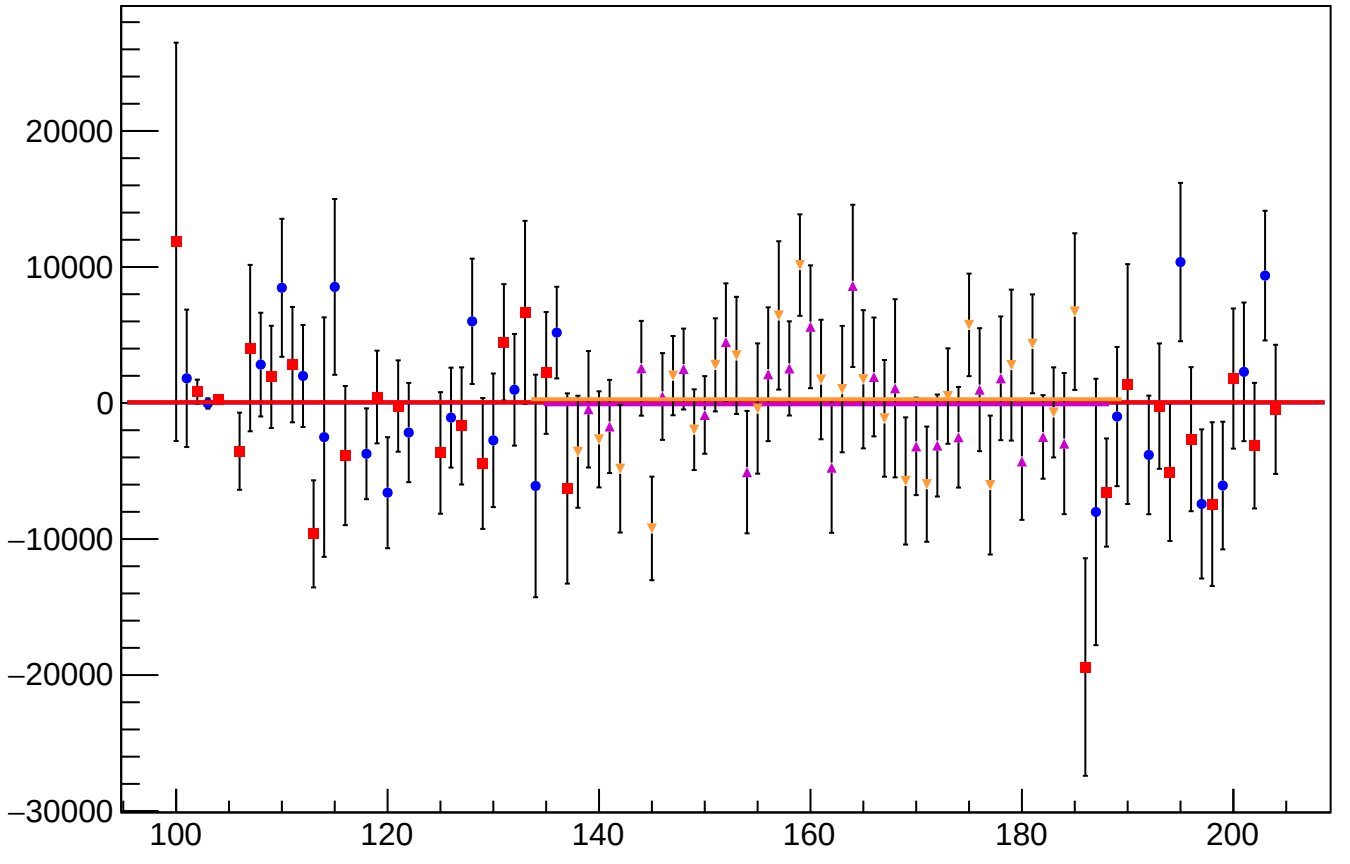
Right Out: 1139.279+/-0.210 χ^2/NDF: 227862.4/27

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1112.033+/-0.140 χ^2/NDF: 693335.7/47

All: 1114.925+/-0.098 χ^2/NDF: 992613.6/98

- sign 1117.706+/-0.138 χ^2/NDF: 298444.1/50



Right In: 32.162+/-351.156 χ^2/NDF: 27.1/23

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

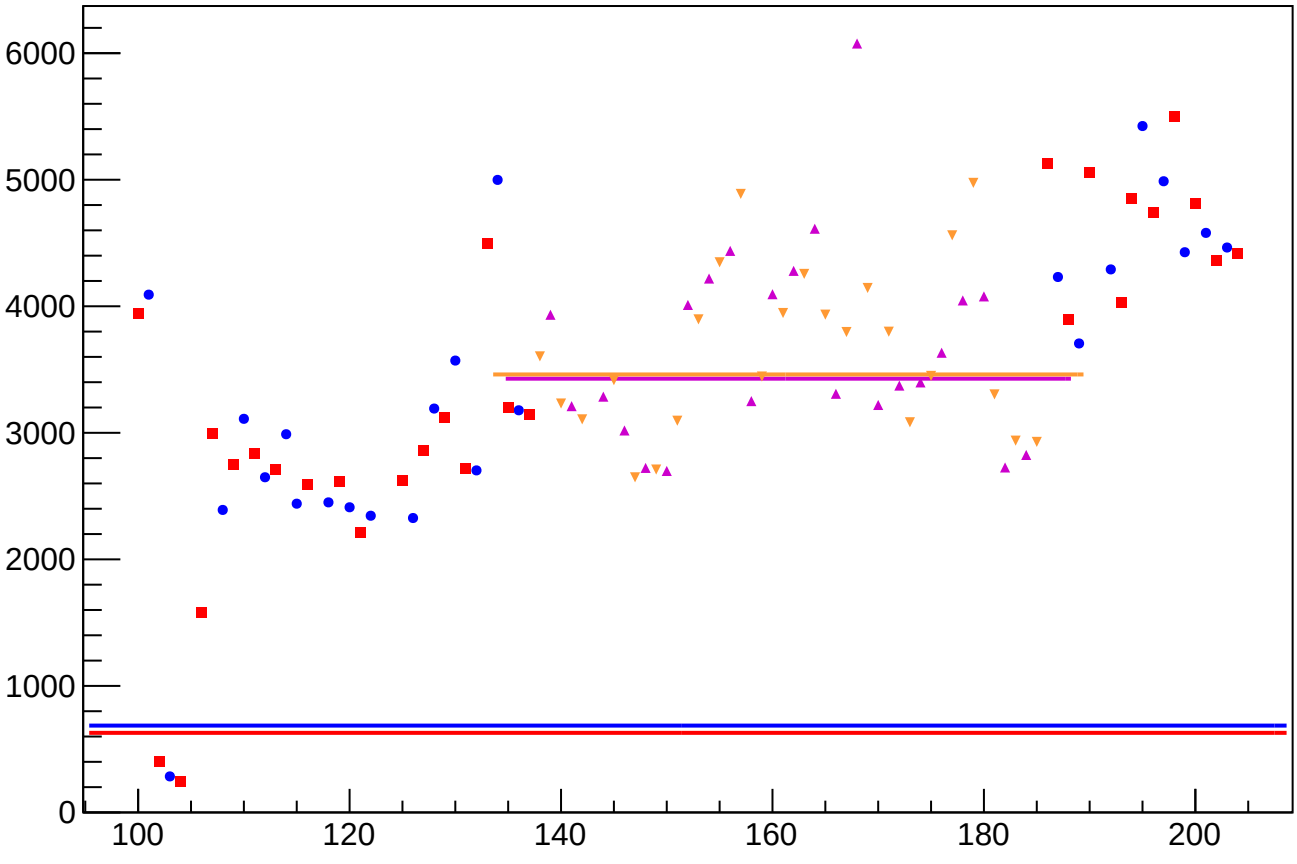
Right Out: 62.929+/-316.511 χ^2/NDF: 28.0/27

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 70.144+/-322.833 χ^2/NDF: 57.0/47

All: 55.012+/-217.832 χ^2/NDF: 98.7/98

- sign 42.364+/-295.148 χ^2/NDF: 41.7/50



Right In: 686.413+/-0.248 χ^2/NDF: 18573673.5/23

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 629.063+/-0.224 χ^2/NDF: 20993889.0/27

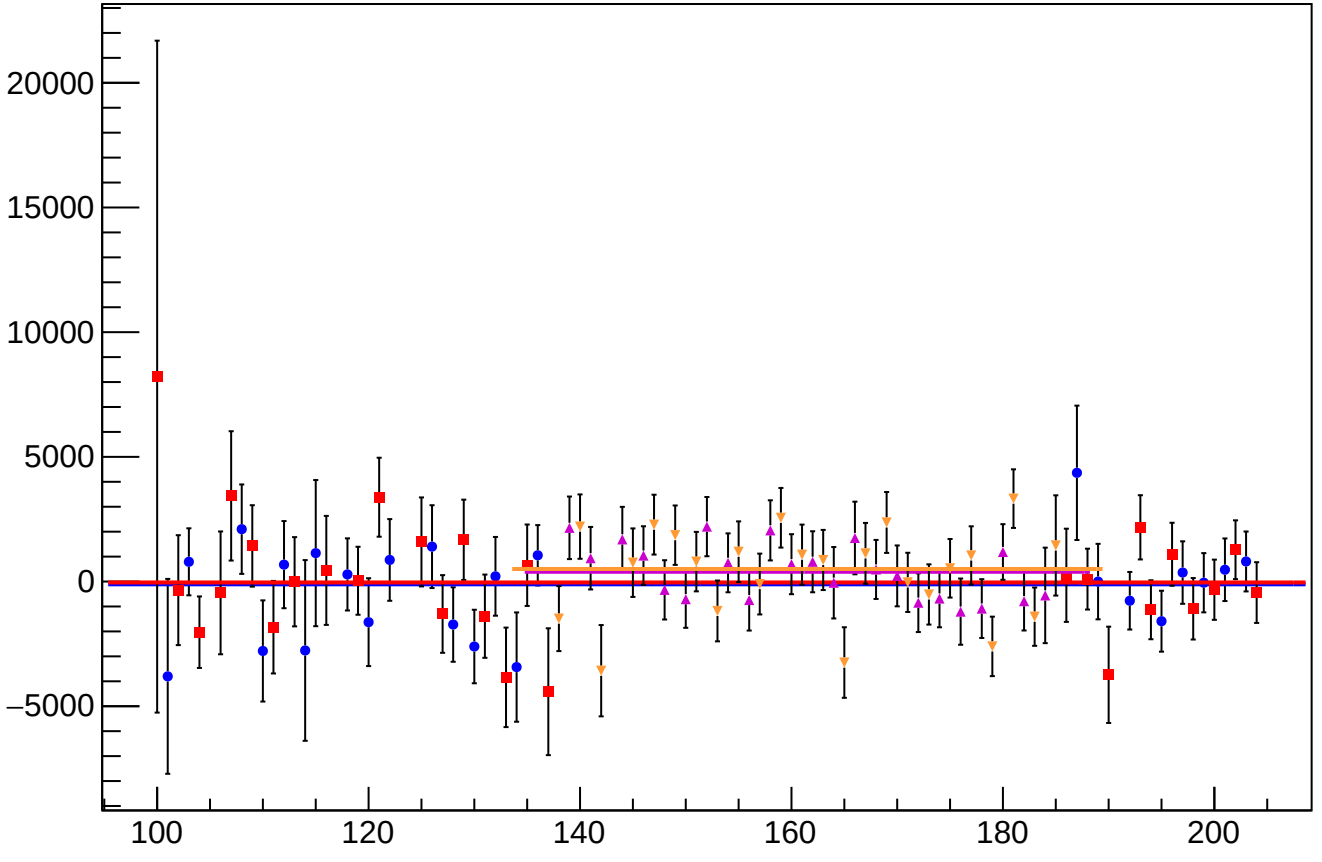
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1115.985+/-0.228 χ^2/NDF: 38965572.8/47

All: 1049.608+/-0.154 χ^2/NDF: 81756085.9/9

- sign 994.127+/-0.209 χ^2/NDF: 42635292.5/50

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -110.799+/-314.680 χ^2/NDF: 20.3/23

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -36.383+/-297.488 χ^2/NDF: 31.1/27

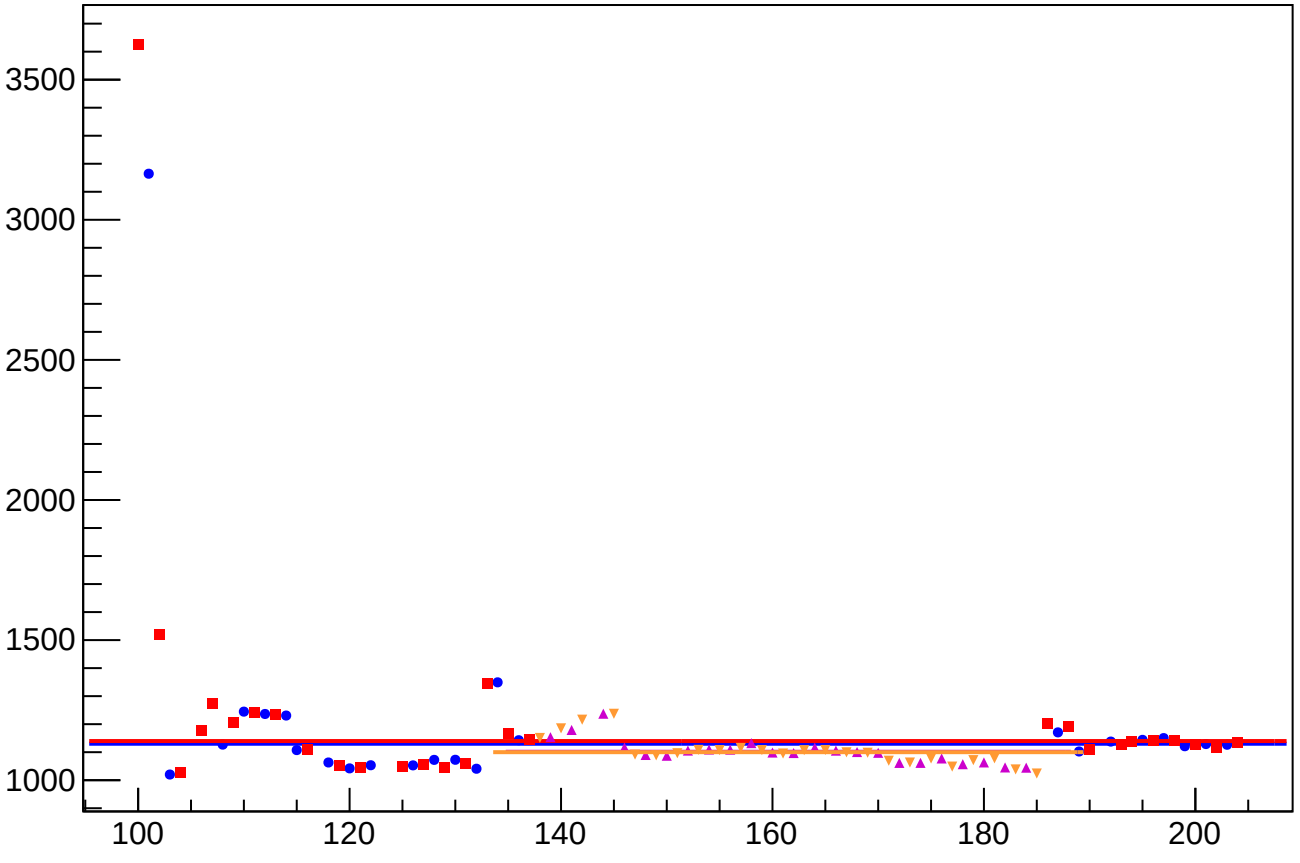
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 259.503+/-198.366 χ^2/NDF: 67.2/47

All: 233.483+/-138.932 χ^2/NDF: 117.3/98

- sign 208.430+/-194.645 χ^2/NDF: 50.1/50

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1130.185+/-0.223 χ^2/NDF: 623559.3/23

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

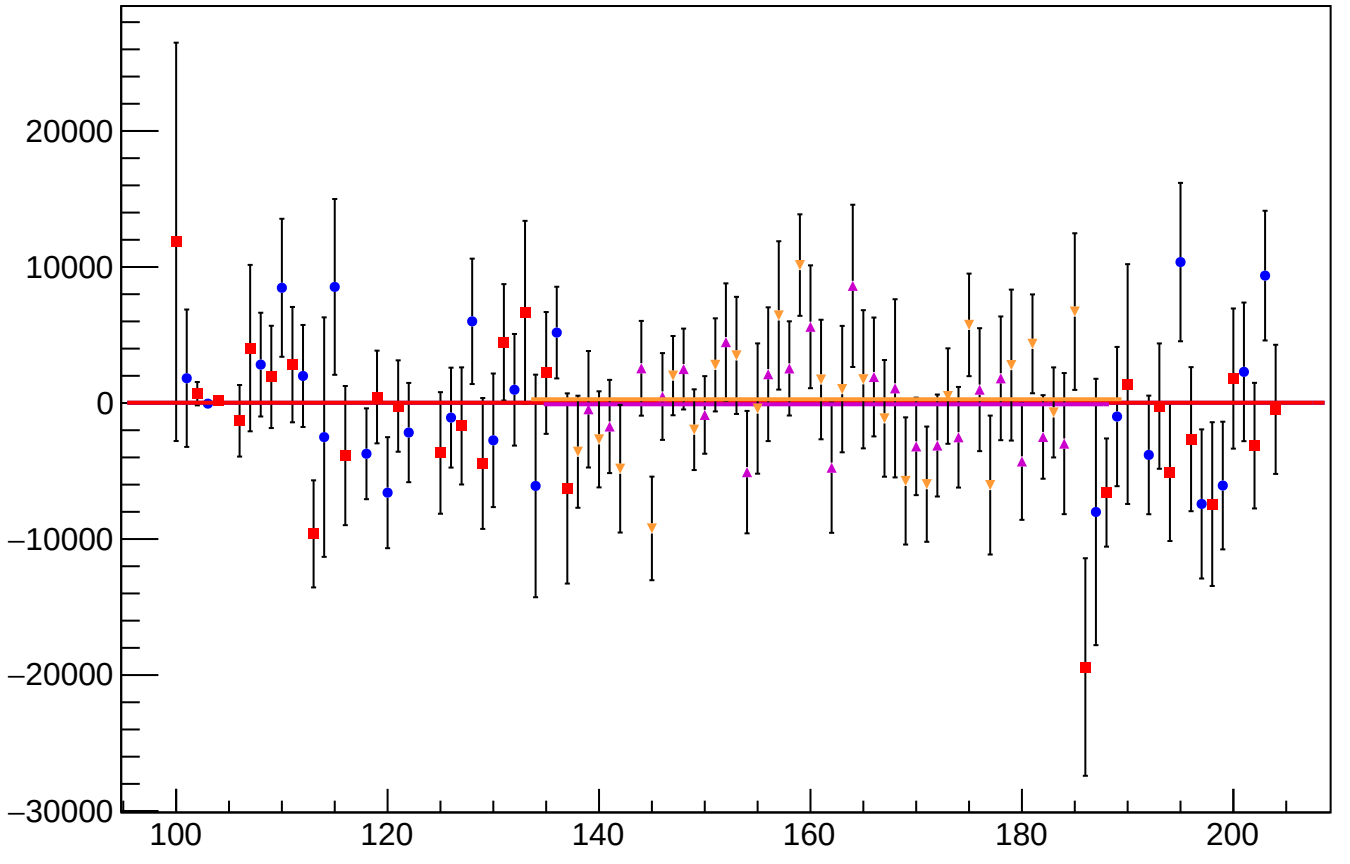
Right Out: 1139.739+/-0.210 χ^2/NDF: 228359.4/27

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1112.033+/-0.140 χ^2/NDF: 693336.7/47

All: 1115.018+/-0.098 χ^2/NDF: 993606.1/98

\- sign 1117.892+/-0.138 χ^2/NDF: 299380.2/50



Right In: 16.491+/-338.708 χ^2/NDF: 27.1/23

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

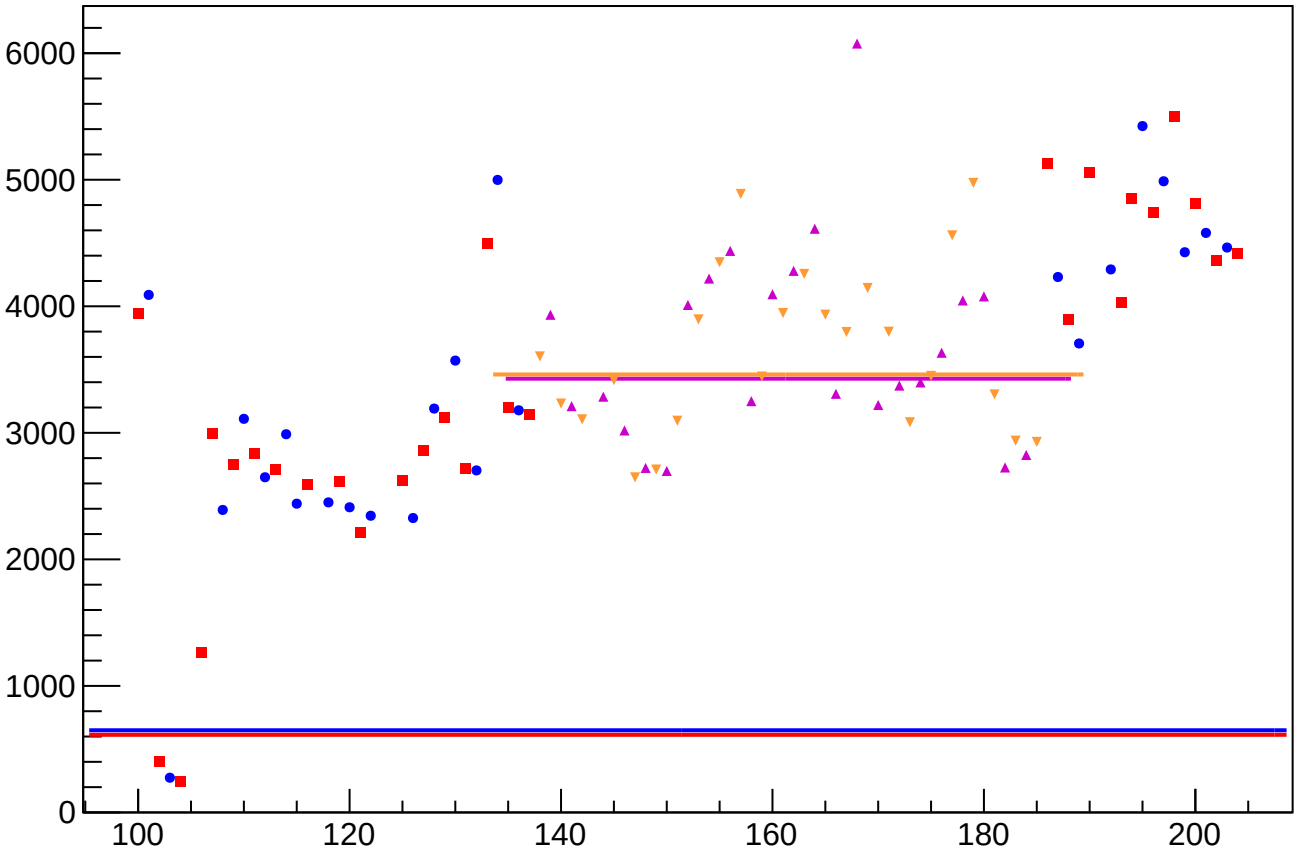
Right Out: 23.410+/-311.614 χ^2/NDF: 26.3/27

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 54.499+/-313.081 χ^2/NDF: 57.0/47

All: 29.786+/-213.212 χ^2/NDF: 97.0/98

- sign 8.411+/-291.165 χ^2/NDF: 39.9/50



Right In: 649.419+/-0.240 χ^2/NDF: 18873517.5/23

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 613.673+/-0.220 χ^2/NDF: 20995522.5/27

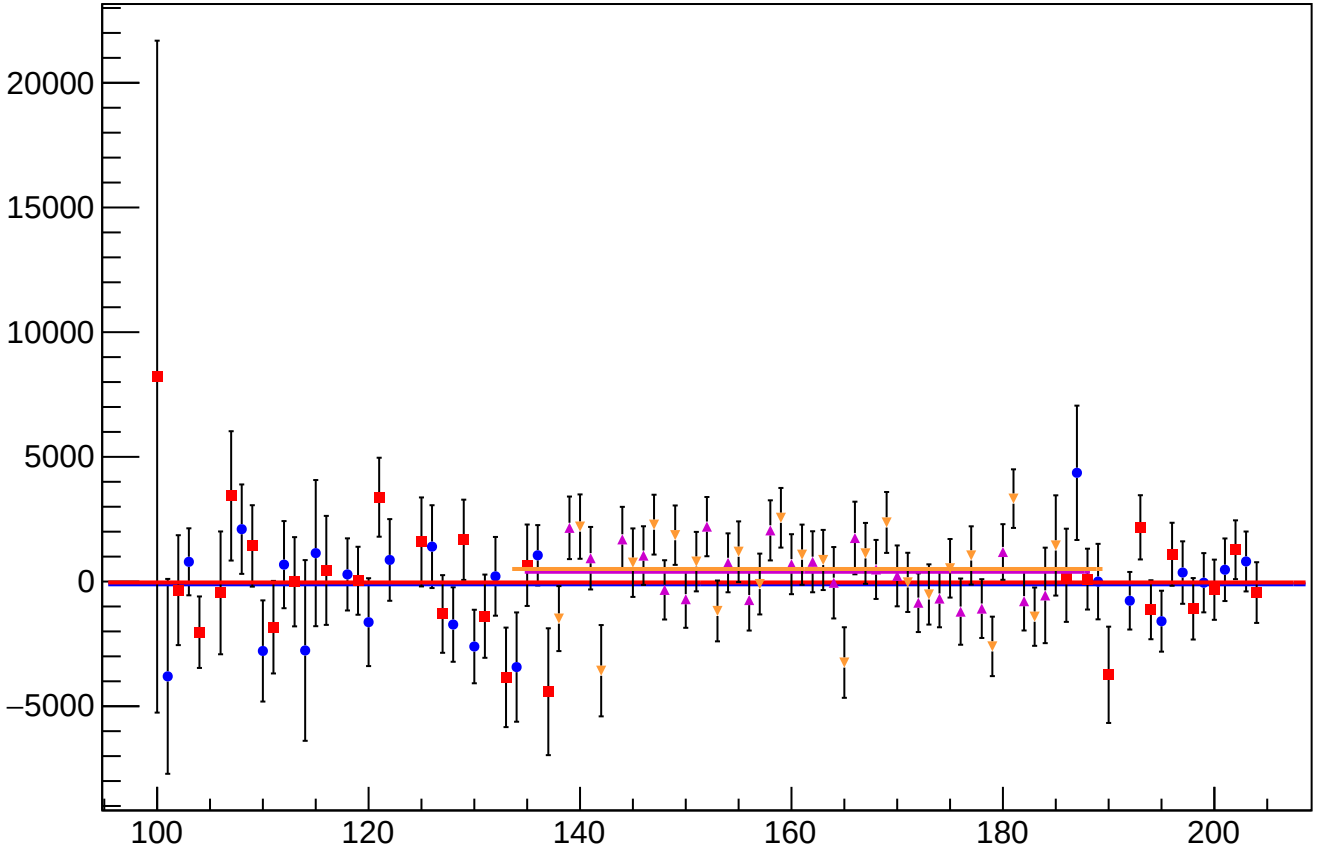
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1058.816+/-0.221 χ^2/NDF: 40000733.7/47

All: 1011.676+/-0.151 χ^2/NDF: 83030092.9/9

- sign 970.904+/-0.206 χ^2/NDF: 42944799.8/50

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -110.799+/-314.680 χ^2/NDF: 20.3/23

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -36.383+/-297.488 χ^2/NDF: 31.1/27

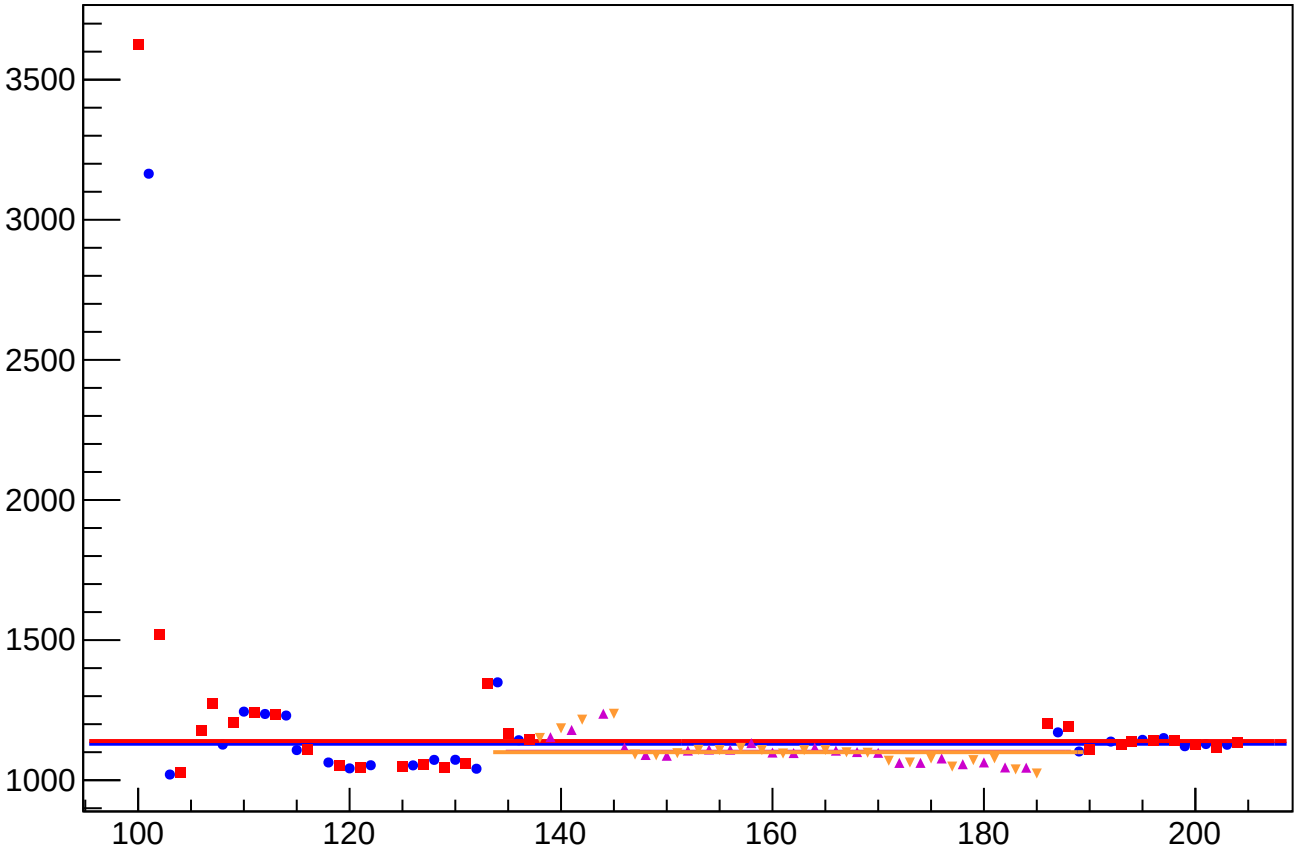
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 259.503+/-198.366 χ^2/NDF: 67.2/47

All: 233.483+/-138.932 χ^2/NDF: 117.3/98

- sign 208.430+/-194.645 χ^2/NDF: 50.1/50

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1130.185+/-0.223 χ^2/NDF: 623559.3/23

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

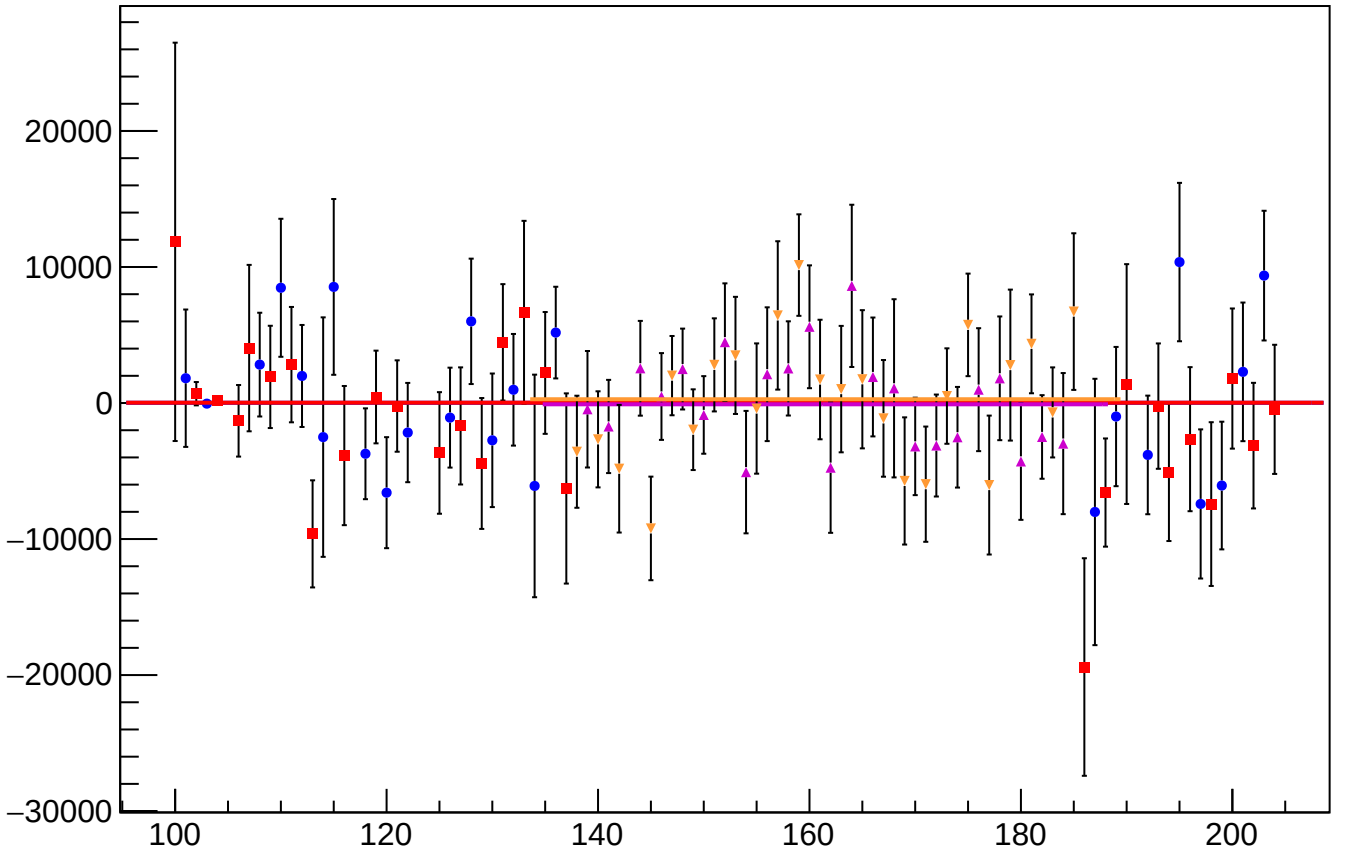
Right Out: 1139.739+/-0.210 χ^2/NDF: 228359.4/27

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1112.033+/-0.140 χ^2/NDF: 693336.7/47

All: 1115.018+/-0.098 χ^2/NDF: 993606.1/98

- sign 1117.892+/-0.138 χ^2/NDF: 299380.2/50



Right In: 16.491+/-338.708 χ^2/NDF: 27.1/23

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

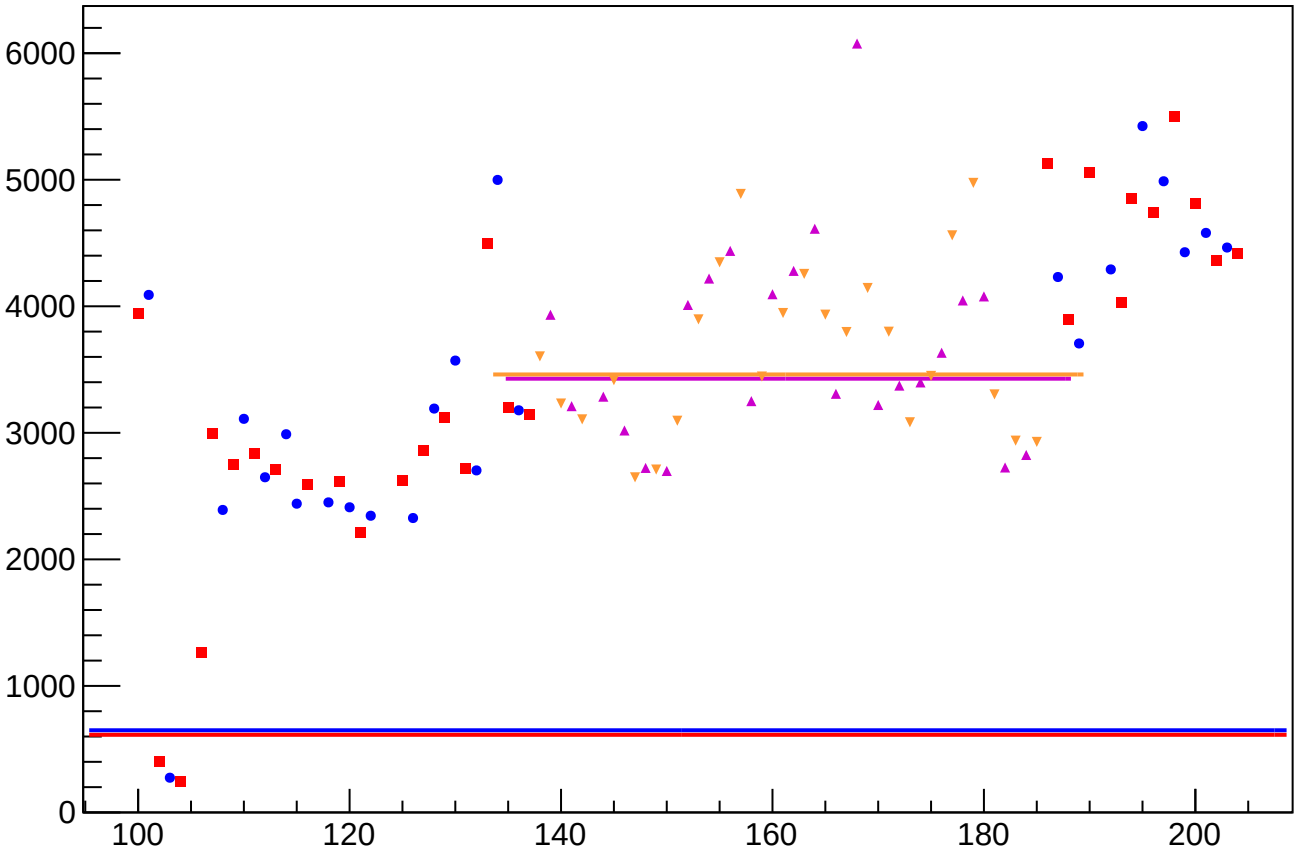
Right Out: 23.410+/-311.614 χ^2/NDF: 26.3/27

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 54.499+/-313.081 χ^2/NDF: 57.0/47

All: 29.786+/-213.212 χ^2/NDF: 97.0/98

- sign 8.411+/-291.165 χ^2/NDF: 39.9/50



Right In: 649.419+/-0.240 χ^2/NDF: 18873517.5/23

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 613.673+/-0.220 χ^2/NDF: 20995522.5/27

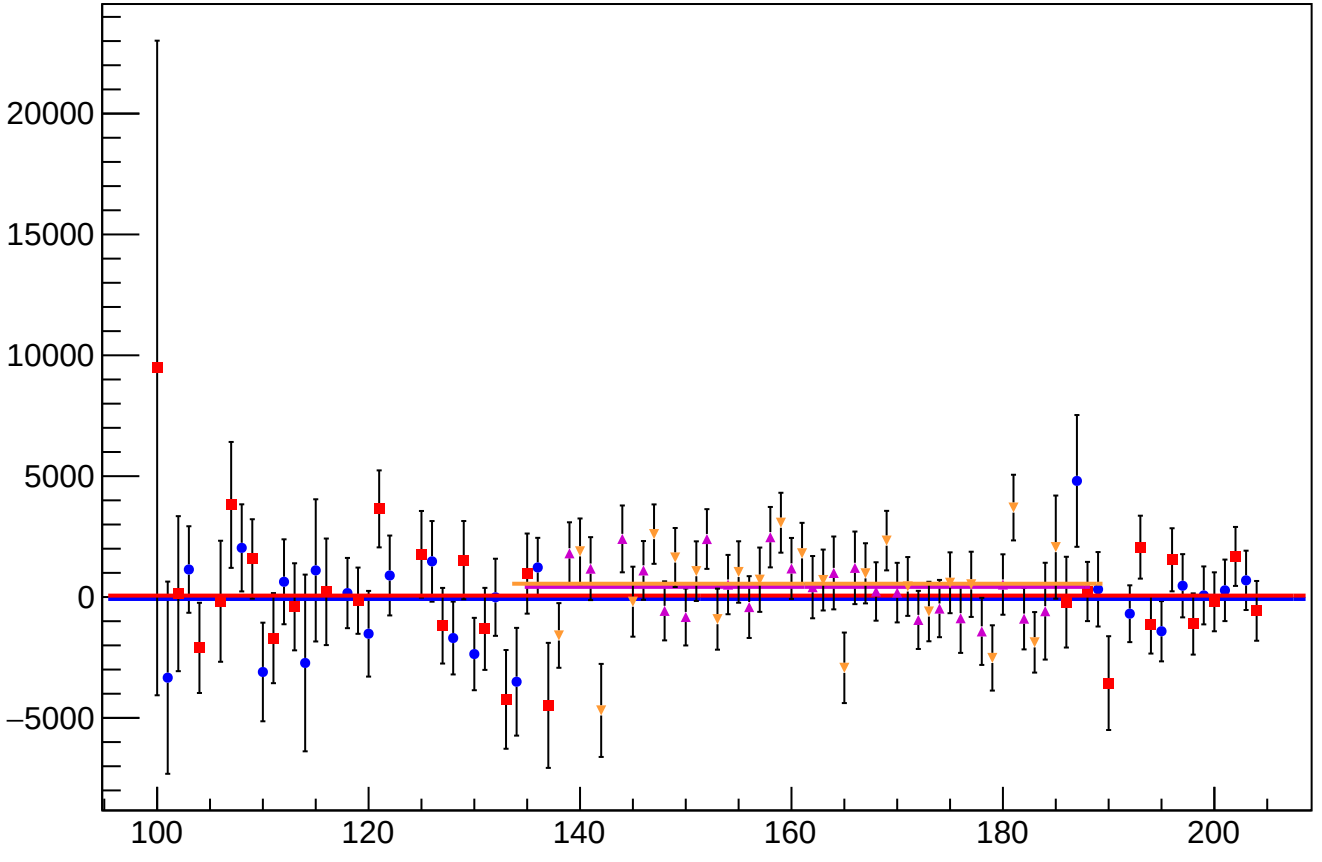
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1058.816+/-0.221 χ^2/NDF: 40000733.7/47

All: 1011.676+/-0.151 χ^2/NDF: 83030092.9/9

- sign 970.904+/-0.206 χ^2/NDF: 42944799.8/50

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -80.032+/-322.931 χ^2/NDF: 19.8/23

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 59.048+/-305.561 χ^2/NDF: 32.8/27

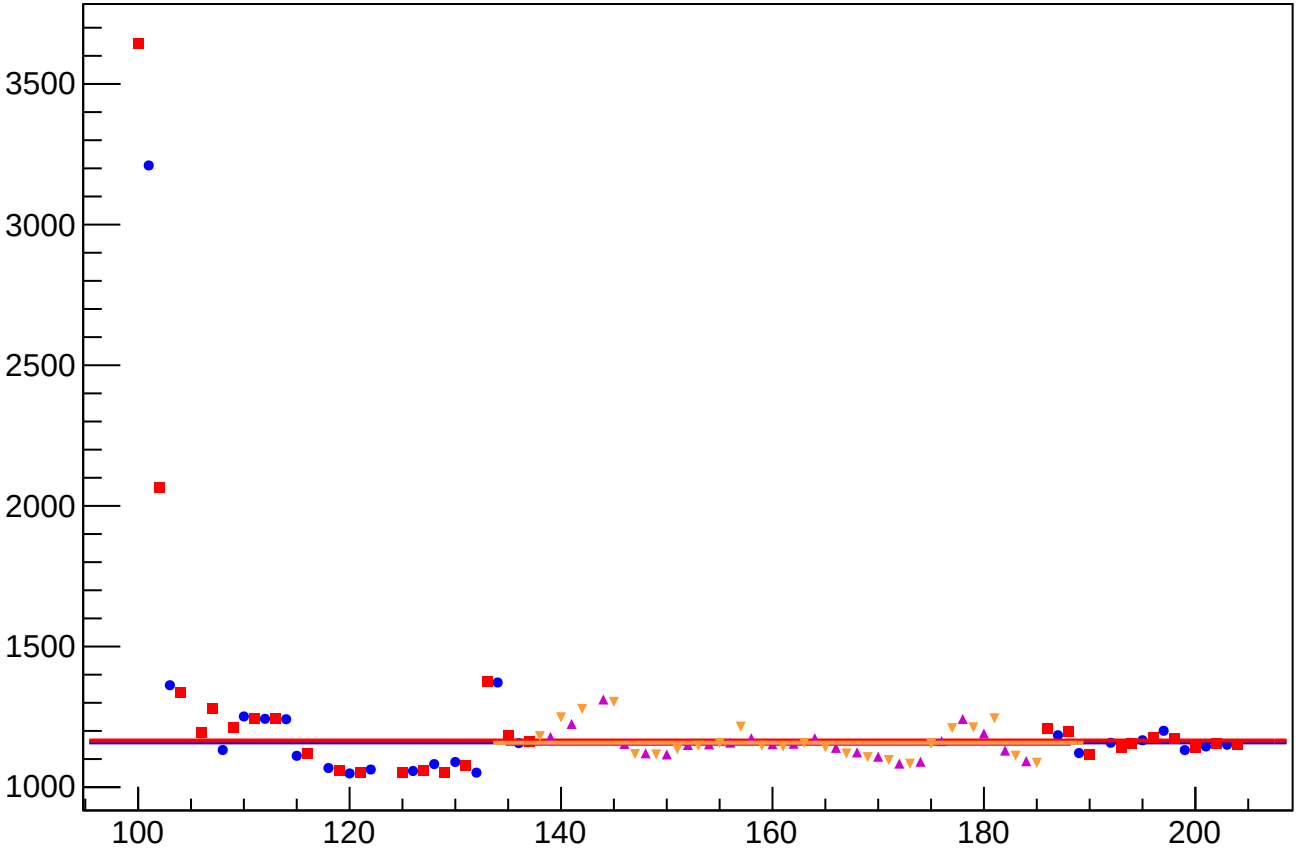
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 292.070+/-206.779 χ^2/NDF: 67.2/47

All: 276.925+/-144.587 χ^2/NDF: 118.8/98

- sign 262.437+/-202.251 χ^2/NDF: 51.5/50

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1159.298+/-0.228 χ^2/NDF: 640330.2/23

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

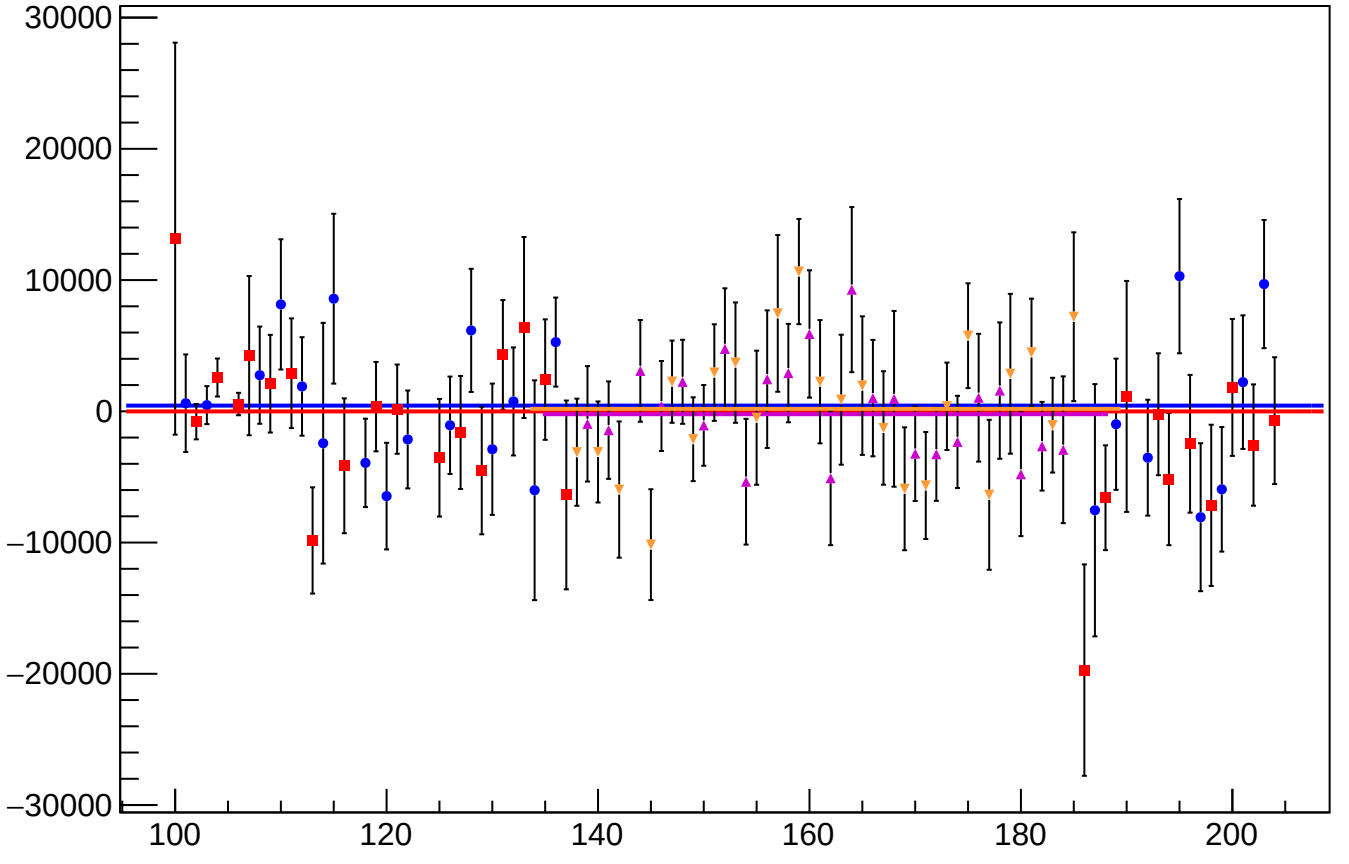
Right Out: 1165.890+/-0.216 χ^2/NDF: 338159.5/27

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1158.636+/-0.146 χ^2/NDF: 724456.1/47

All: 1158.996+/-0.102 χ^2/NDF: 1130741.2/98

- sign 1159.340+/-0.143 χ^2/NDF: 406273.2/50



Right In: 434.548+/-791.502 χ^2/NDF: 26.6/23

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

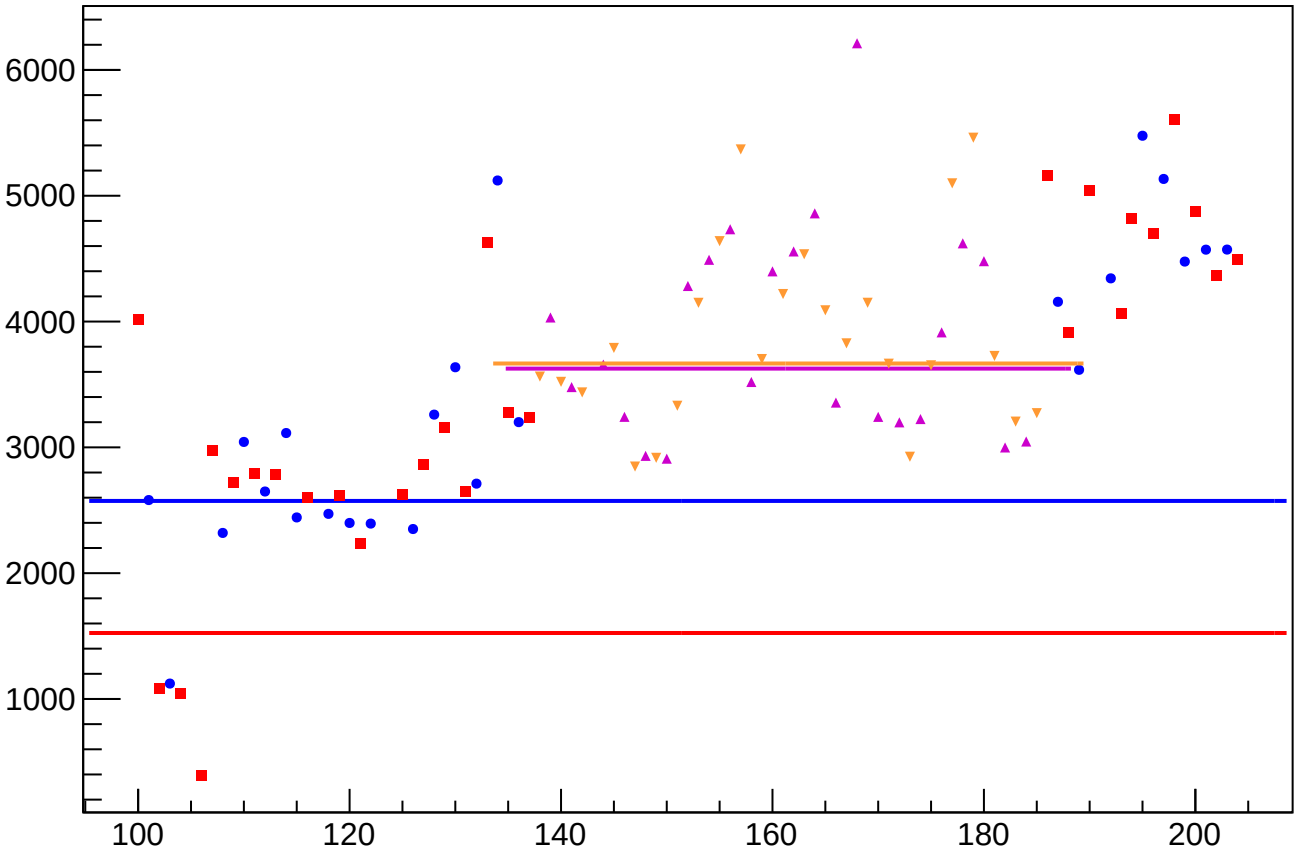
Right Out: -8.426+/-535.367 χ^2/NDF: 29.0/27

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 323.603+/-585.292 χ^2/NDF: 55.9/47

All: 79.951+/-359.320 χ^2/NDF: 98.6/98

- sign -67.424+/-455.197 χ^2/NDF: 42.4/50



Right In: 2574.182+/-0.560 χ^2/NDF: 4780142.8/23

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

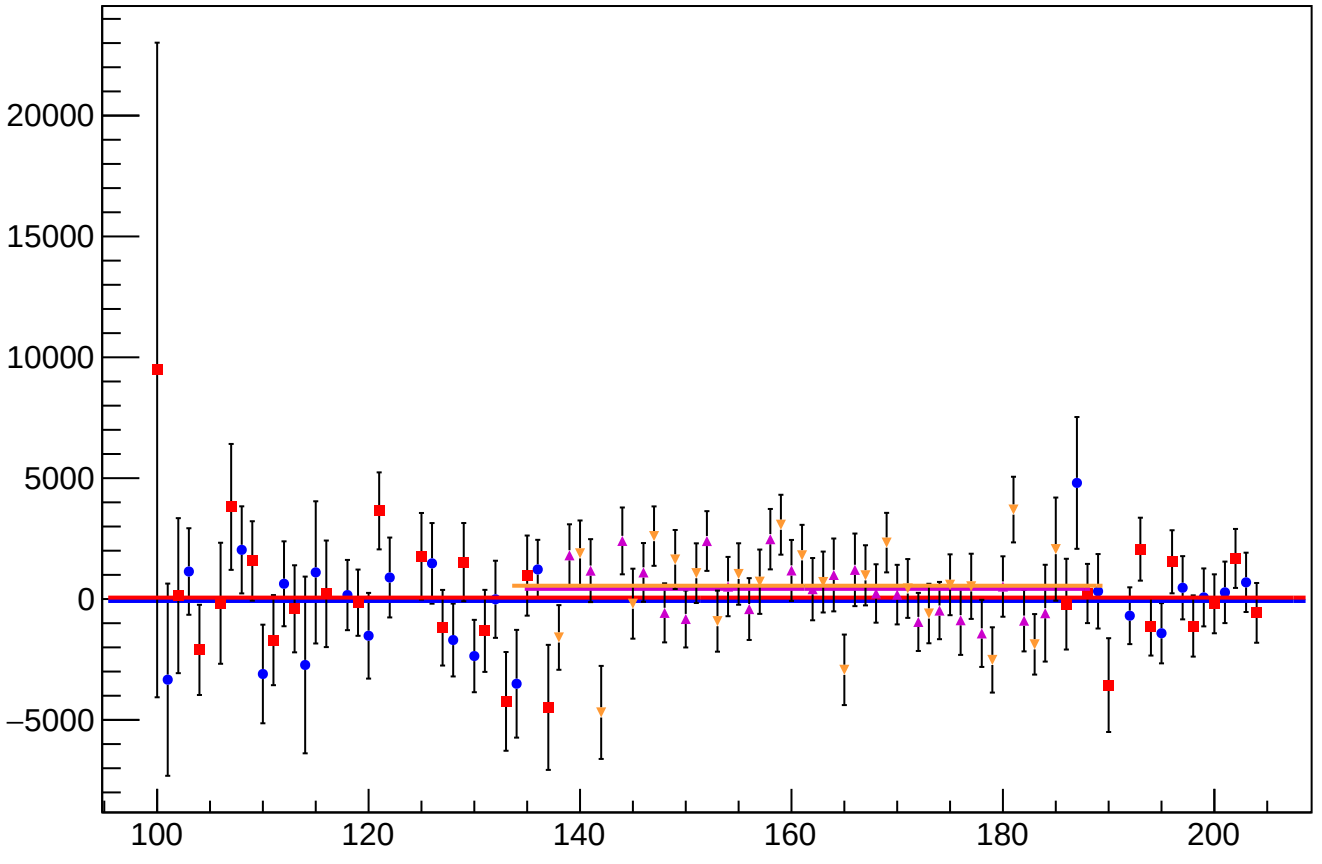
Right Out: 1524.504+/-0.379 χ^2/NDF: 13443685.1/27

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 3069.218+/-0.414 χ^2/NDF: 7602317.4/47

All: 2469.497+/-0.254 χ^2/NDF: 34211762.7/9

- sign 2106.751+/-0.322 χ^2/NDF: 23239522.2/50



Right In: -80.030+/-322.931 χ^2/NDF: 19.8/23

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

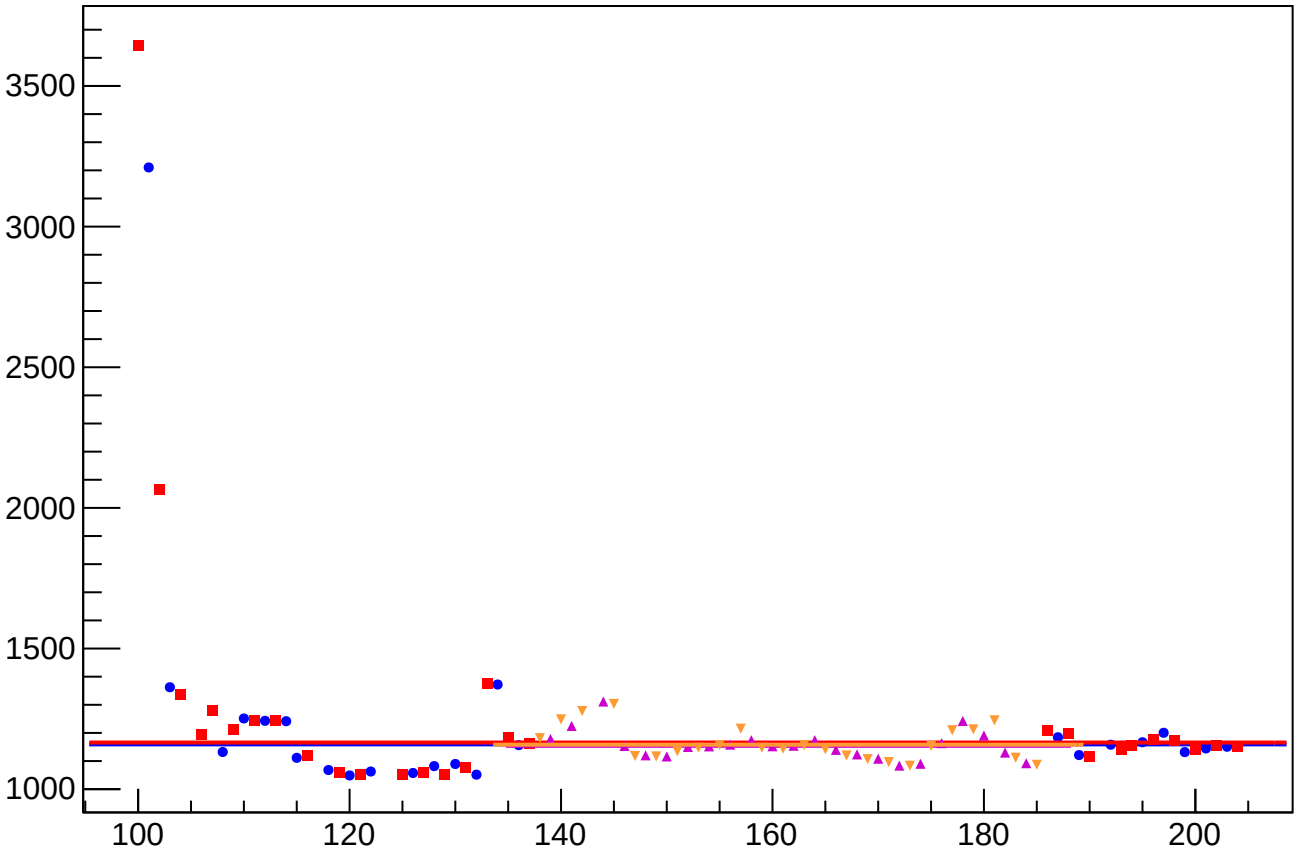
Right Out: 59.050+/-305.561 χ^2/NDF: 32.8/27

Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 292.072+/-206.779 χ^2/NDF: 67.2/47

All: 276.926+/-144.587 χ^2/NDF: 118.8/98

- sign 262.437+/-202.251 χ^2/NDF: 51.5/50



Right In: 1159.298+/-0.228 χ^2/NDF: 640330.4/23

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

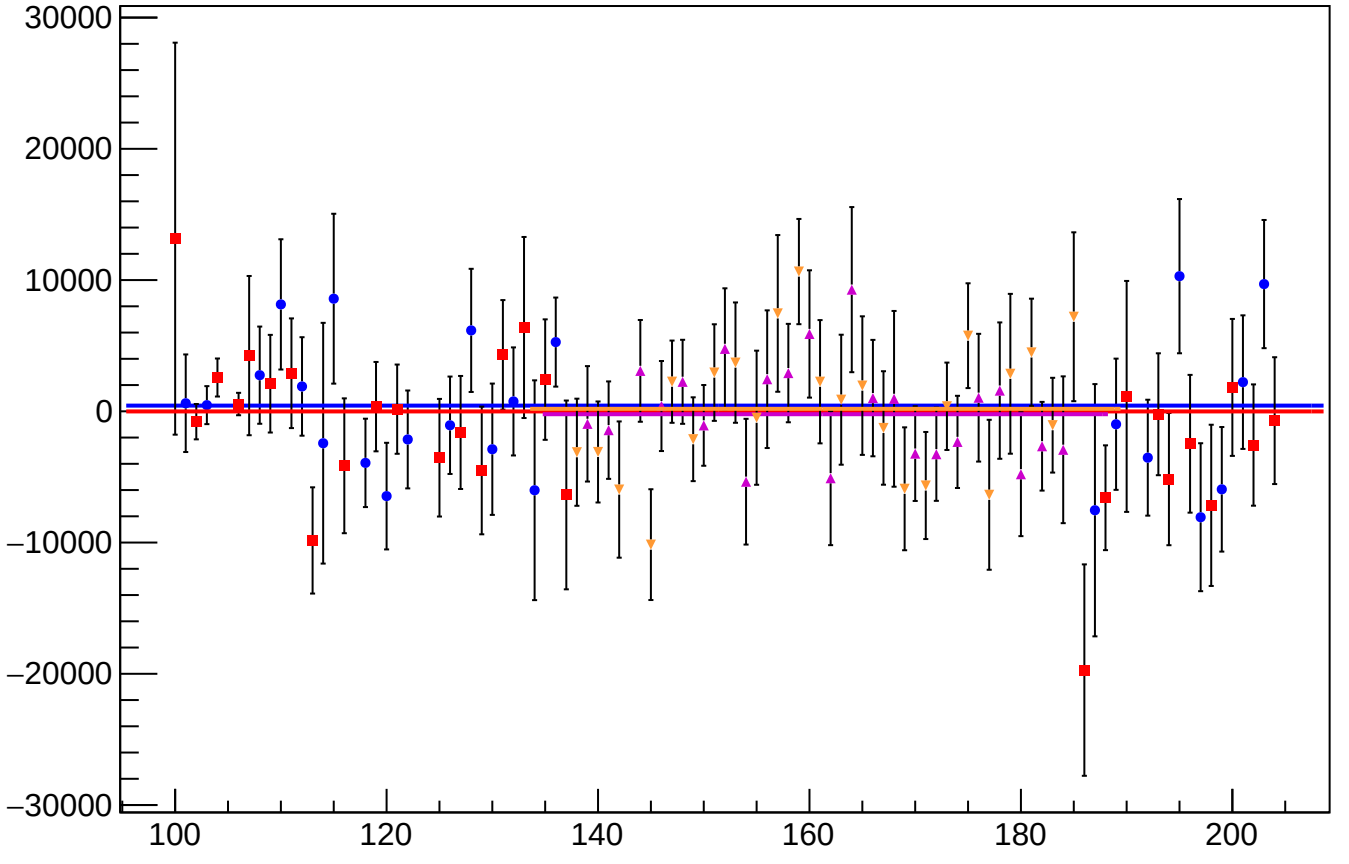
Right Out: 1165.890+/-0.216 χ^2/NDF: 338159.2/27

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1158.637+/-0.146 χ^2/NDF: 724458.9/47

All: 1158.997+/-0.102 χ^2/NDF: 1130745.8/98

- sign 1159.341+/-0.143 χ^2/NDF: 406275.0/50



Right In: 434.543+/-791.501 χ^2/NDF: 26.6/23

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

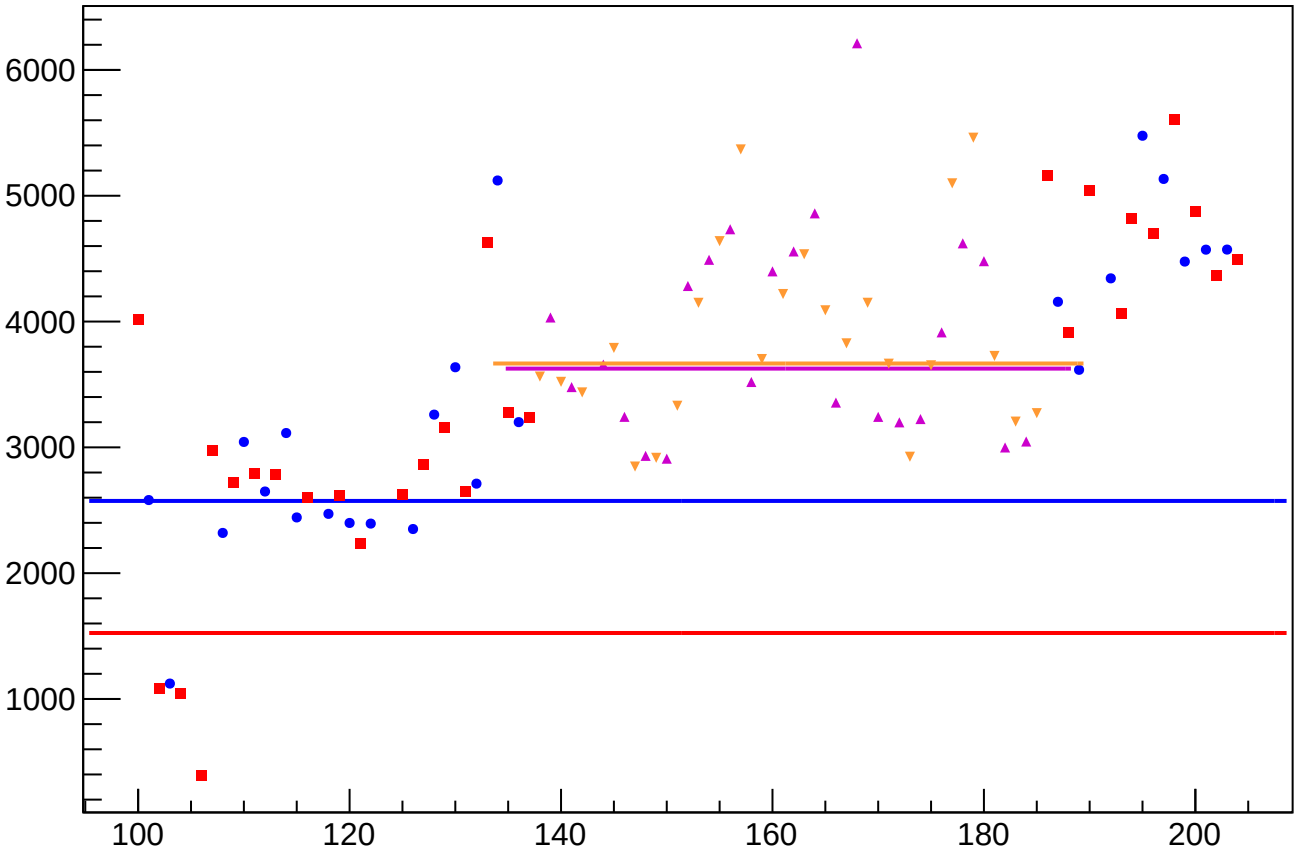
Right Out: -8.416+/-535.361 χ^2/NDF: 29.0/27

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

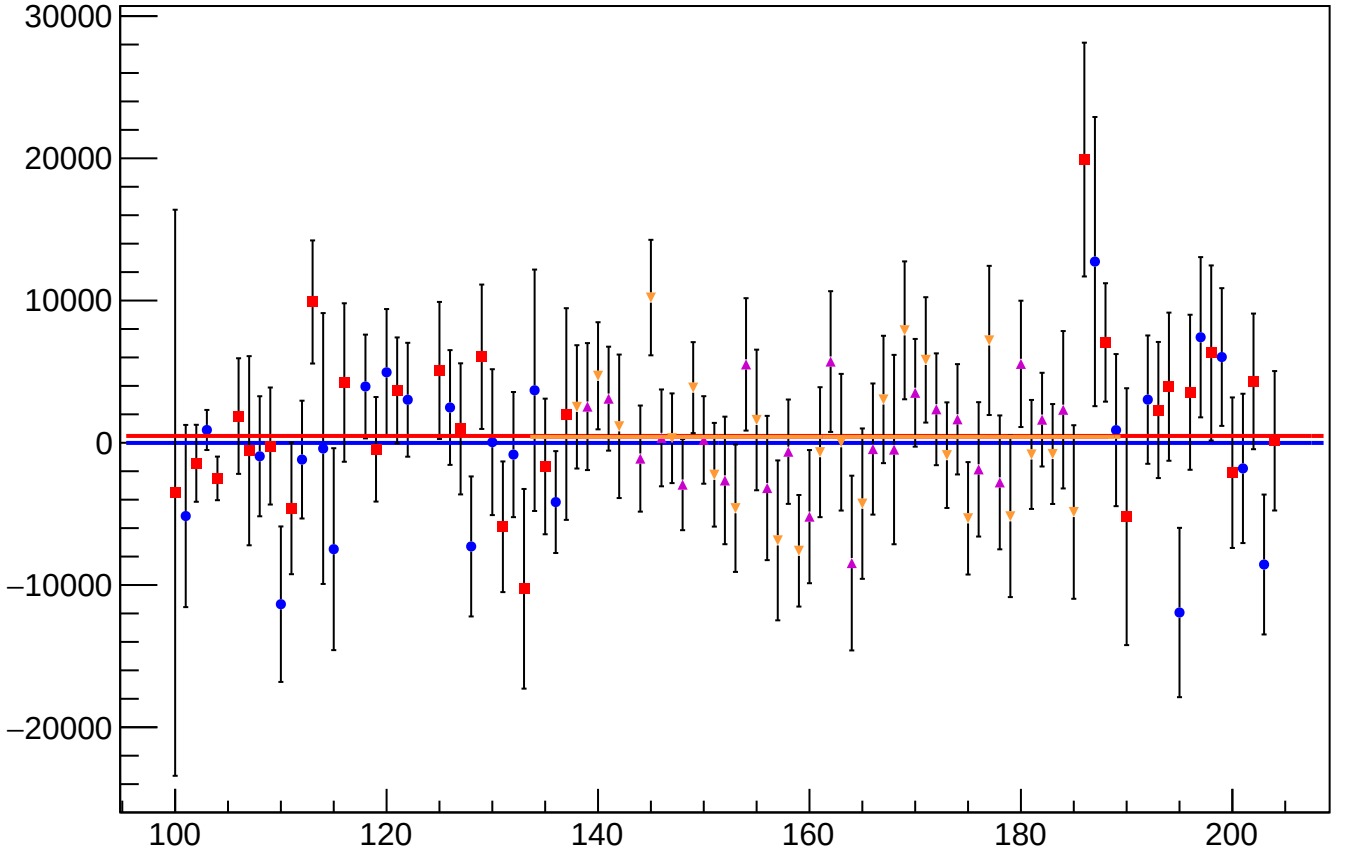
+ sign 323.600+/-585.292 χ^2/NDF: 55.9/47

All: 79.953+/-359.318 χ^2/NDF: 98.6/98

- sign -67.417+/-455.193 χ^2/NDF: 42.4/50


asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2574.178+/-0.560 χ²/NDF: 4780157.1/23
Left Out: 3666.541+/-0.615 χ²/NDF:1095834.2/23
Right Out: 1524.475+/-0.379 χ²/NDF: 13443941.8/27
Left In: 3625.945+/-0.611 χ²/NDF:1257933.0/22
+ sign 3069.217+/-0.414 χ²/NDF: 7602361.2/47
All: 2469.475+/-0.254 χ²/NDF: 34212589.8/9
- sign 2106.722+/-0.322 χ²/NDF: 23240087.5/50

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -9.923+/-829.485 χ^2/NDF: 26.3/23

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

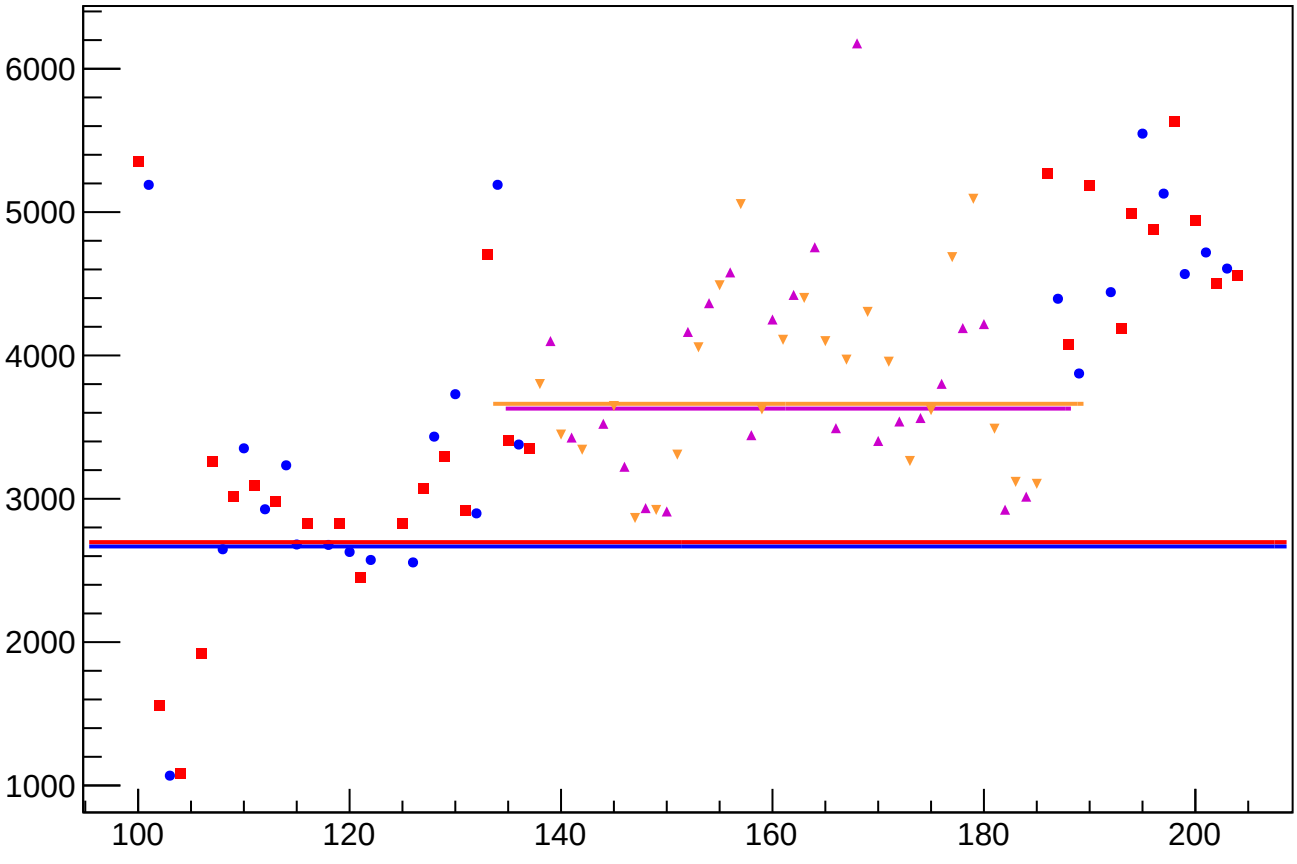
Right Out: 480.610+/-792.995 χ^2/NDF: 29.5/27

Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 192.834+/-598.806 χ^2/NDF: 53.5/47

All: 322.285+/-417.992 χ^2/NDF: 95.5/98

- sign 445.303+/-583.740 χ^2/NDF: 41.8/50



Right In: 2667.600+/-0.587 χ^2/NDF: 5575217.6/23

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

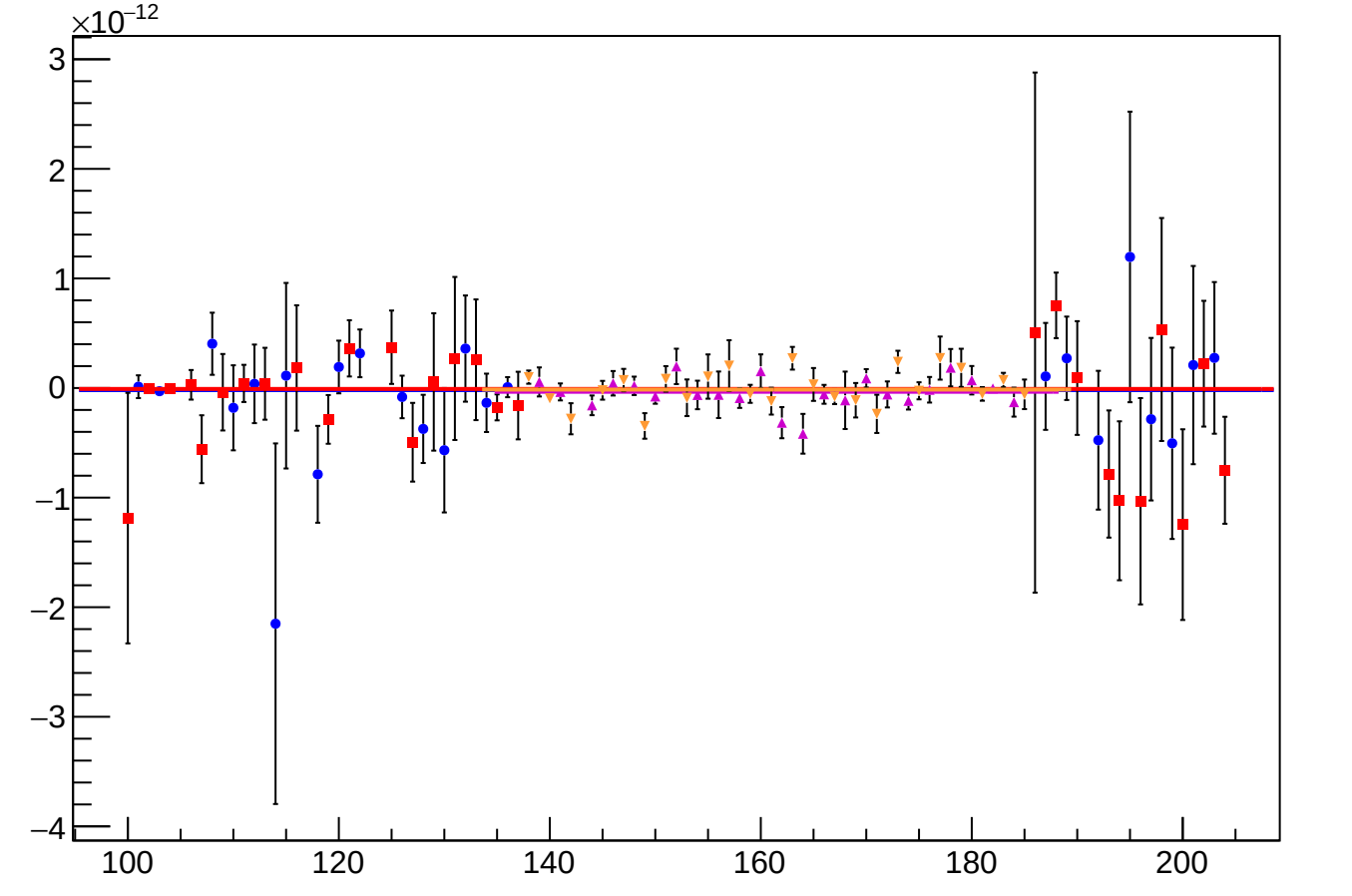
Right Out: 2697.642+/-0.560 χ^2/NDF: 5880365.8/27

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3144.093+/-0.423 χ^2/NDF: 7846915.0/47

All: 3133.543+/-0.295 χ^2/NDF: 16049993.6/9

- sign 3123.538+/-0.412 χ^2/NDF: 8201869.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 16.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

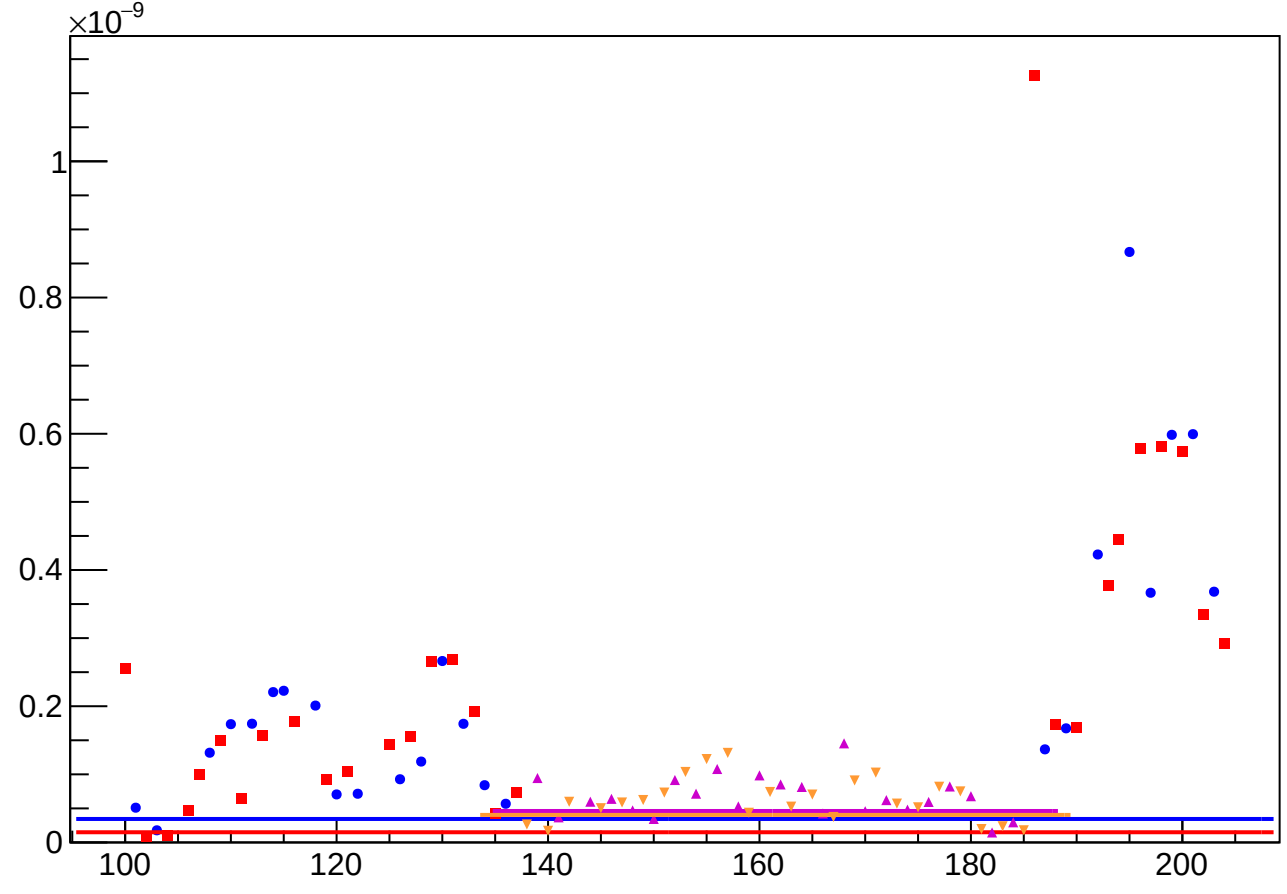
Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/27

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.7/47

All: -0.000+/-0.000 χ^2/NDF: 115.9/98

- sign -0.000+/-0.000 χ^2/NDF: 54.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 7392110.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

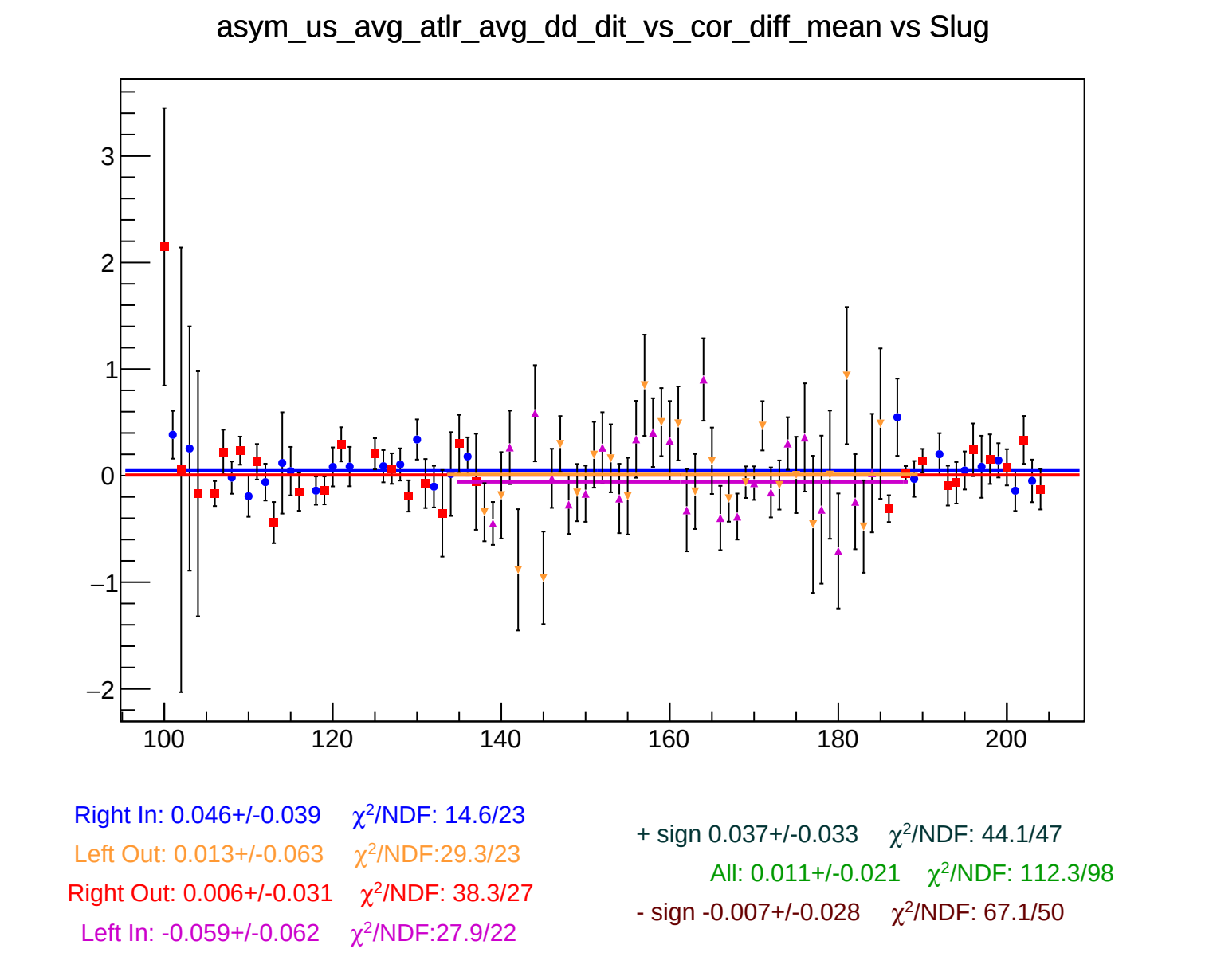
Right Out: 0.000+/-0.000 χ^2/NDF: 9772174.2/27

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

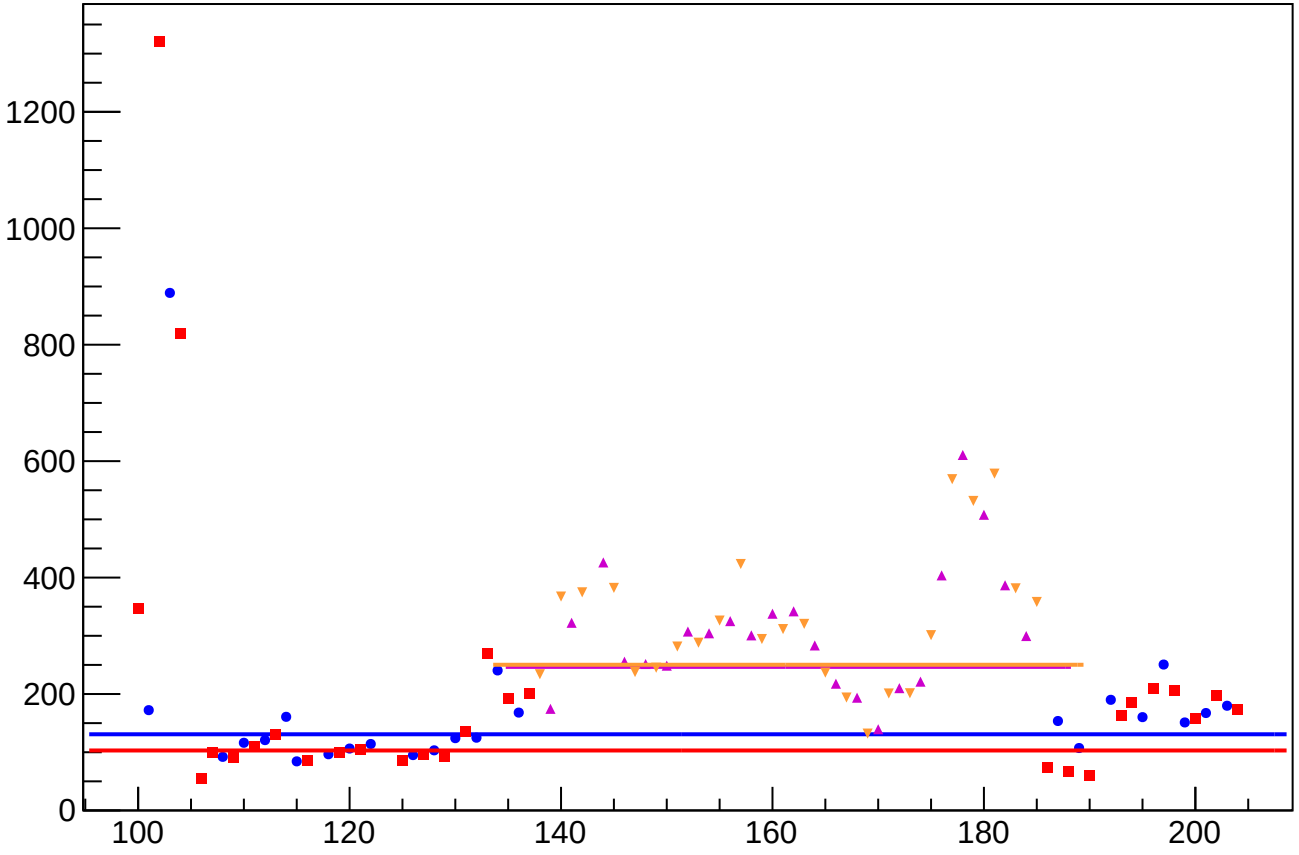
+ sign 0.000+/-0.000 χ^2/NDF: 10895944.1/47

All: 0.000+/-0.000 χ^2/NDF: 27566904.1/98

- sign 0.000+/-0.000 χ^2/NDF: 15832809.8/50


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.046+/-0.039 χ²/NDF: 14.6/23
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.006+/-0.031 χ²/NDF: 38.3/27
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.037+/-0.033 χ²/NDF: 44.1/47
All: 0.011+/-0.021 χ²/NDF: 112.3/98
- sign -0.007+/-0.028 χ²/NDF: 67.1/50

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 130.855+/-0.028 χ^2/NDF: 2641218.2/23

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 103.022+/-0.022 χ^2/NDF: 5712687.4/27

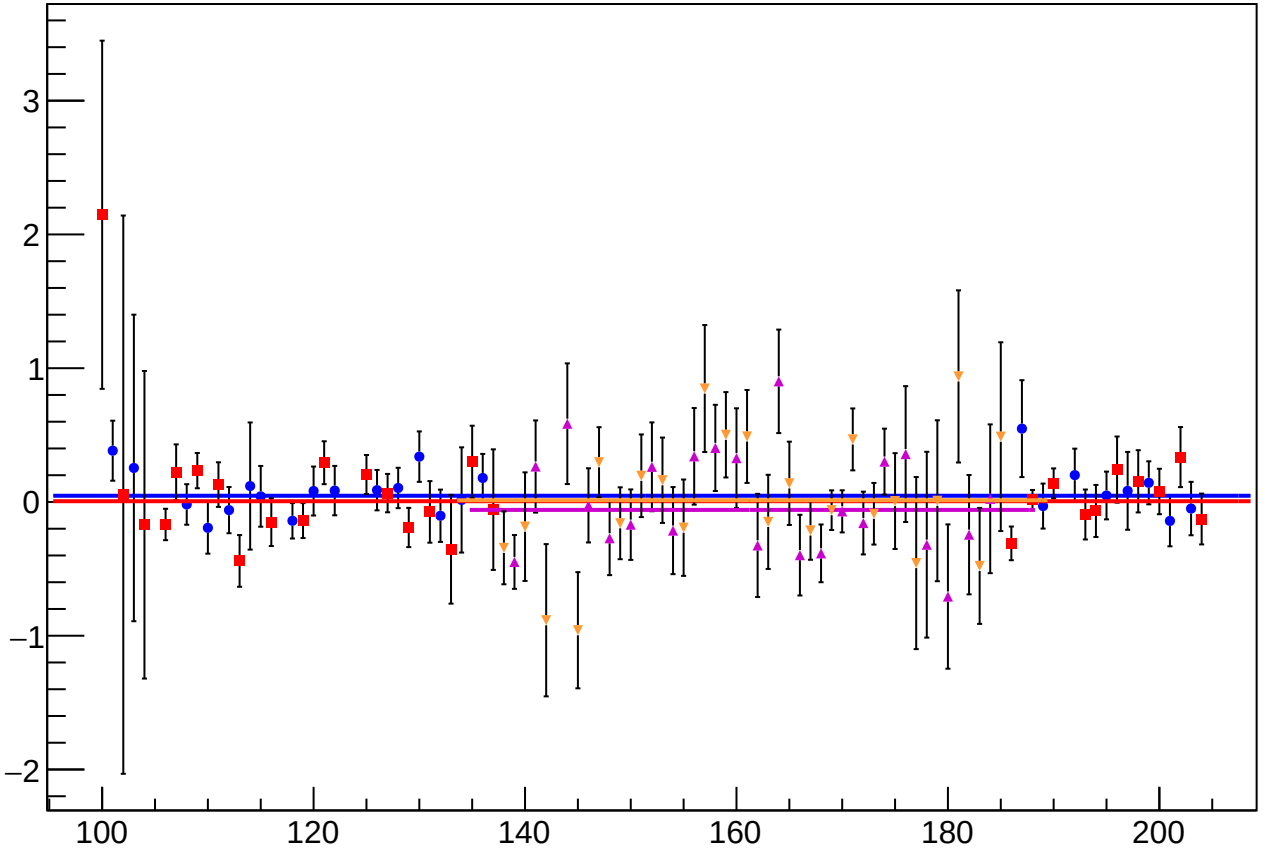
Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 164.307+/-0.024 χ^2/NDF: 12163439.4/47

All: 145.226+/-0.015 χ^2/NDF: 31325868.7/98

- sign 131.942+/-0.020 χ^2/NDF: 18052095.4/50

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.046+/-0.039 χ^2/NDF: 14.6/23

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

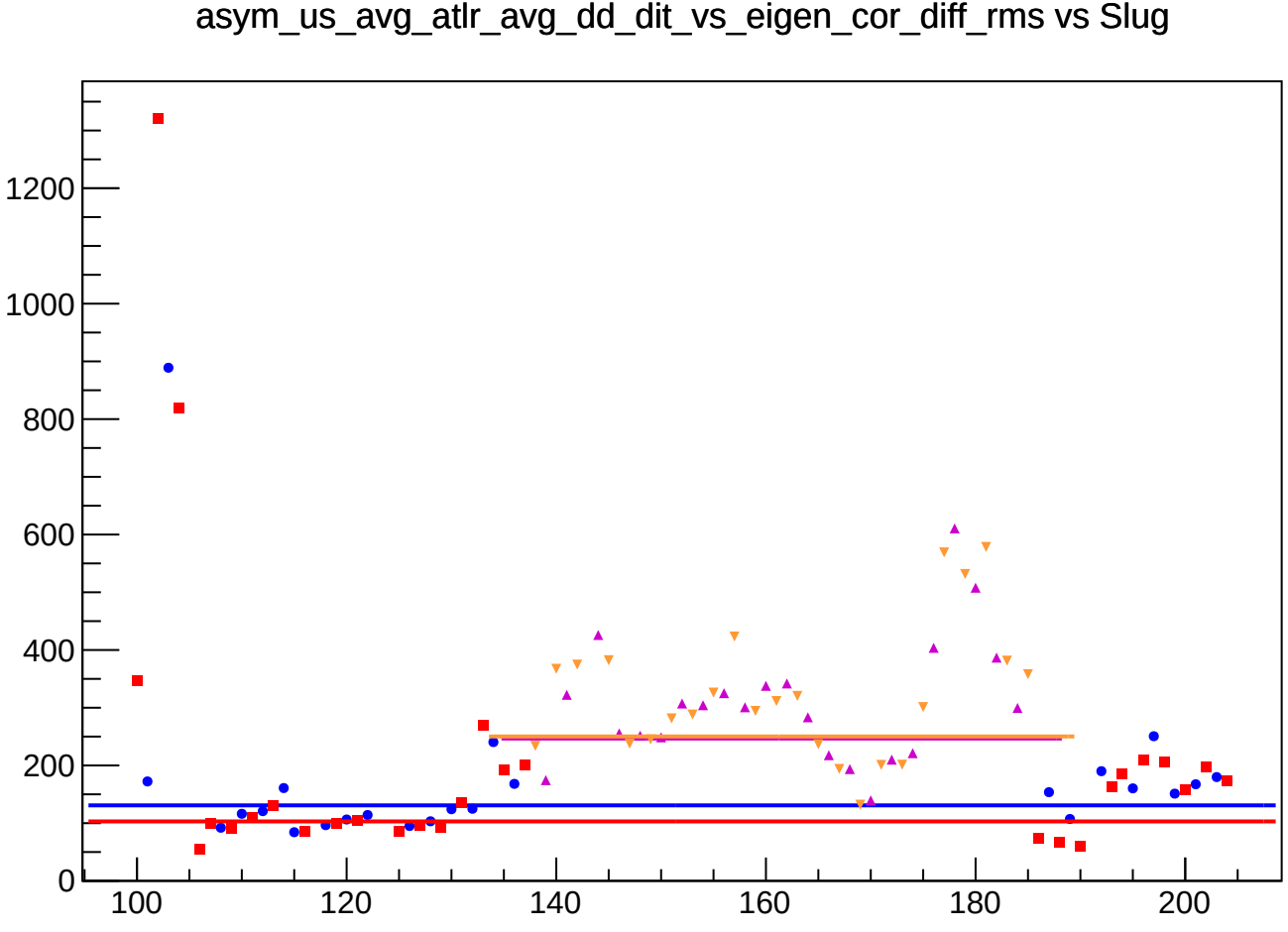
Right Out: 0.006+/-0.031 χ^2/NDF: 38.3/27

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.037+/-0.033 χ^2/NDF: 44.1/47

All: 0.011+/-0.021 χ^2/NDF: 112.3/98

- sign -0.007+/-0.028 χ^2/NDF: 67.1/50



Right In: 130.855+/-0.028 χ^2/NDF: 2641218.2/23

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

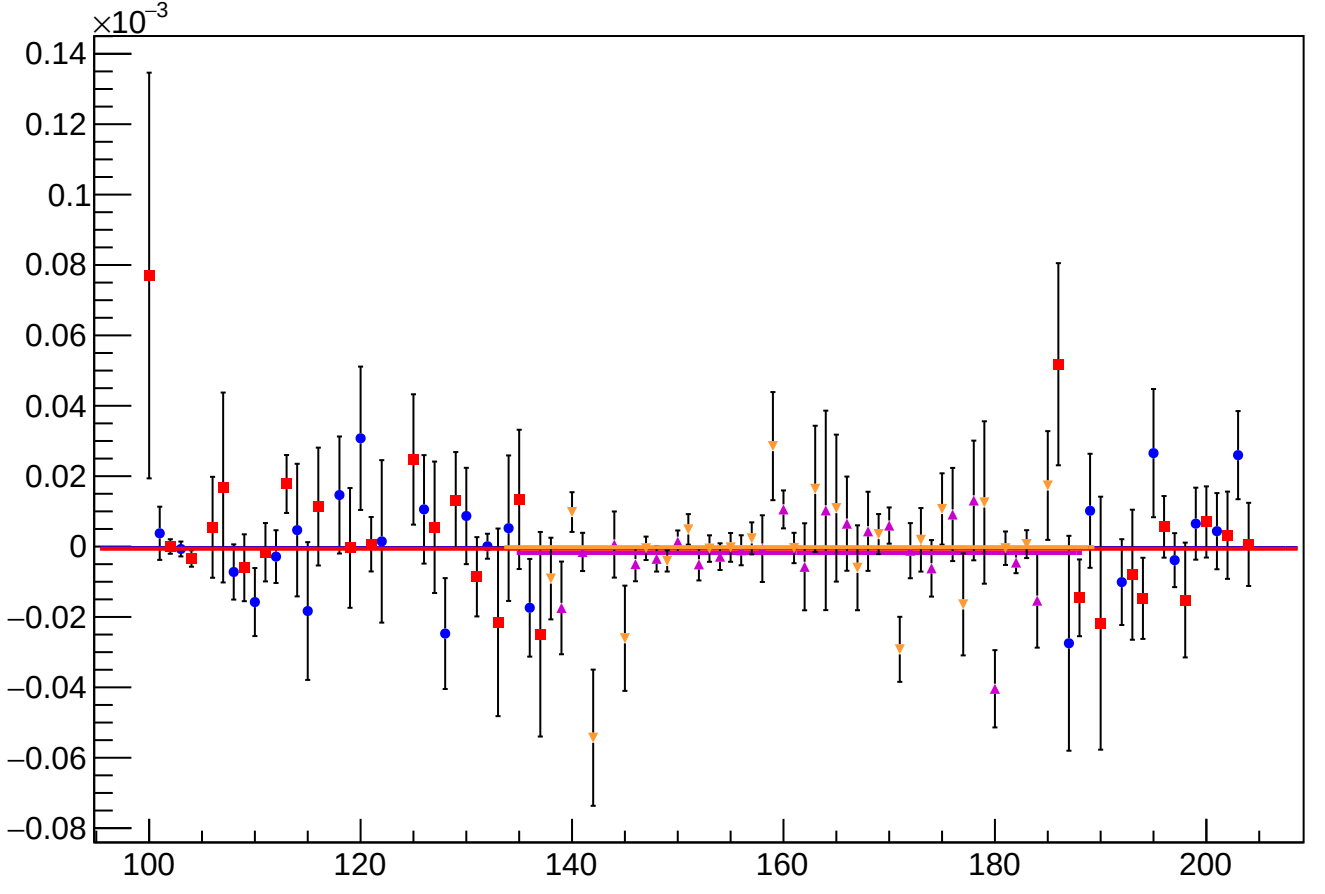
Right Out: 103.022+/-0.022 χ^2/NDF: 5712687.4/27

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 164.307+/-0.024 χ^2/NDF: 12163439.4/47

All: 145.226+/-0.015 χ^2/NDF: 31325868.7/98

- sign 131.942+/-0.020 χ^2/NDF: 18052095.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

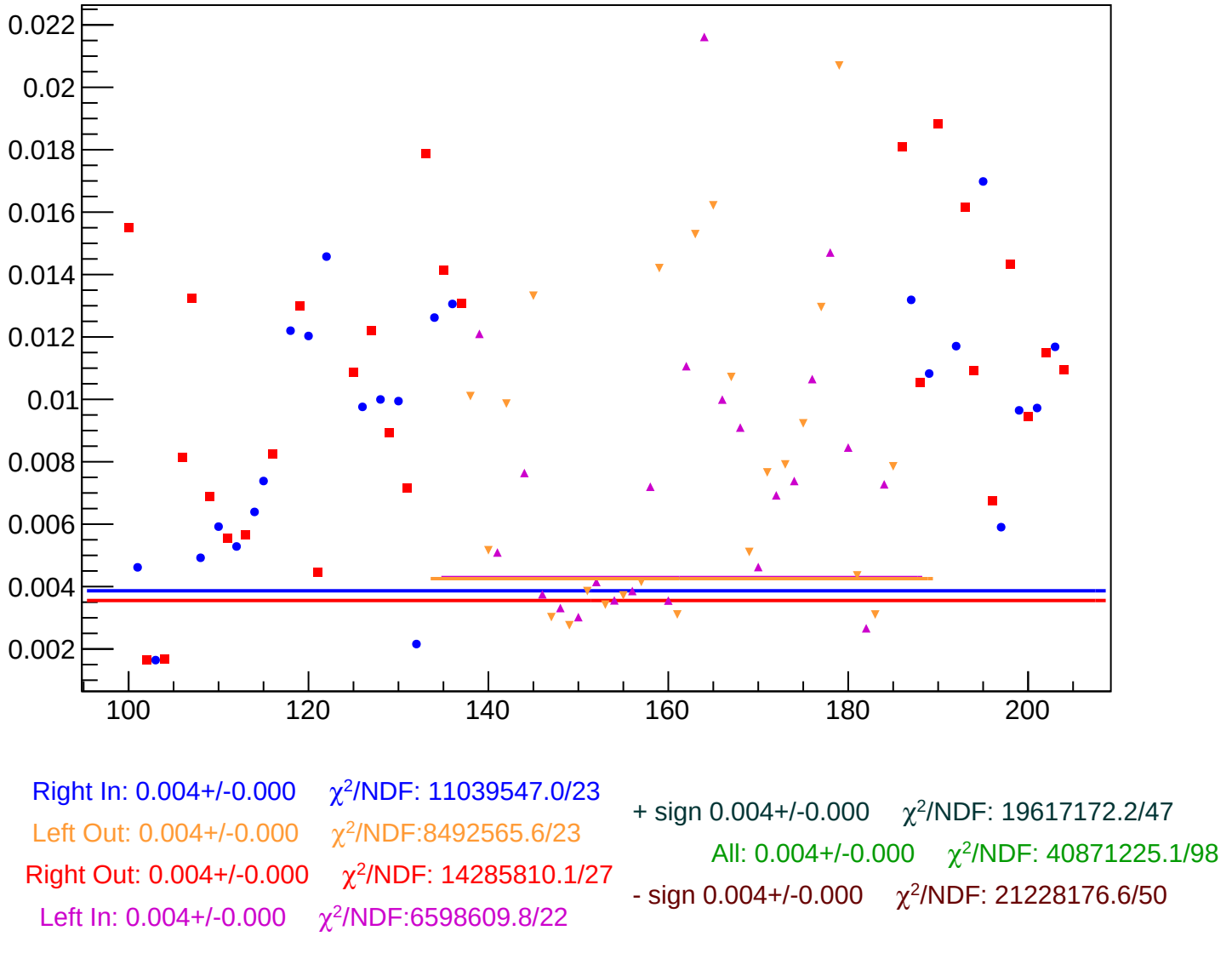
Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/27

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

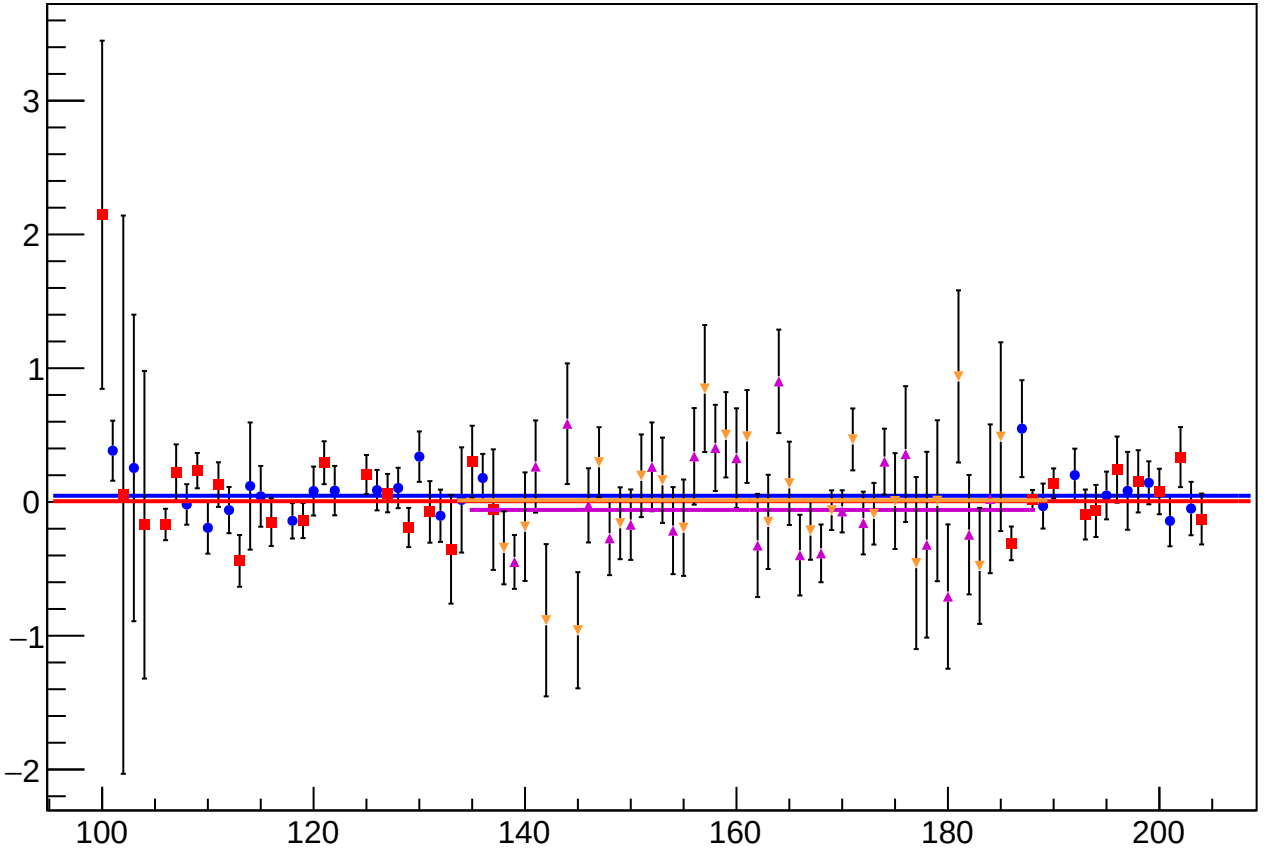
+ sign -0.000+/-0.000 χ^2/NDF: 59.2/47

All: -0.000+/-0.000 χ^2/NDF: 112.5/98

- sign -0.000+/-0.000 χ^2/NDF: 52.7/50


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.004+/-0.000 χ²/NDF: 11039547.0/23
Left Out: 0.004+/-0.000 χ²/NDF:8492565.6/23
Right Out: 0.004+/-0.000 χ²/NDF: 14285810.1/27
Left In: 0.004+/-0.000 χ²/NDF:6598609.8/22
+ sign 0.004+/-0.000 χ²/NDF: 19617172.2/47
All: 0.004+/-0.000 χ²/NDF: 40871225.1/98
- sign 0.004+/-0.000 χ²/NDF: 21228176.6/50

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.046+/-0.039 χ^2/NDF: 14.6/23

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

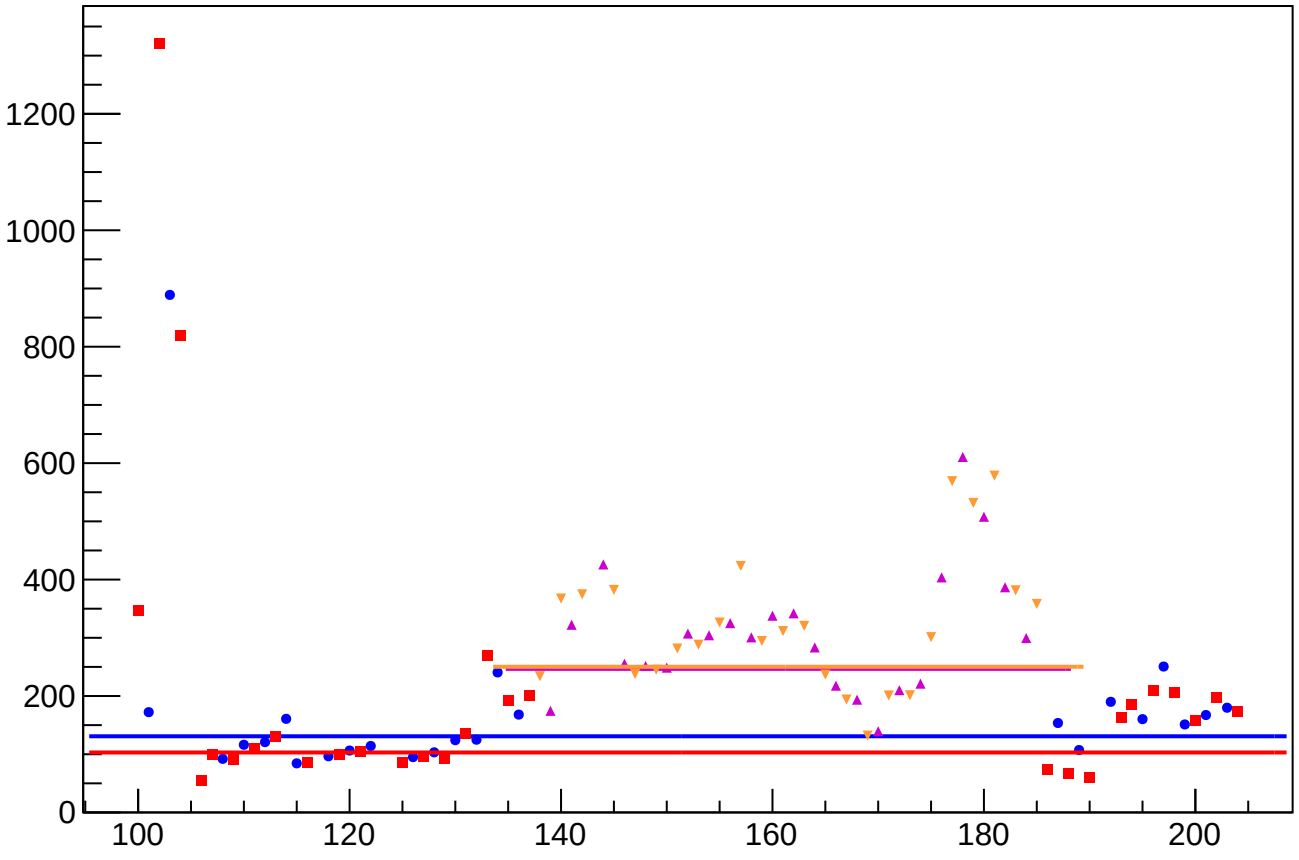
Right Out: 0.006+/-0.031 χ^2/NDF: 38.3/27

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.037+/-0.033 χ^2/NDF: 44.1/47

All: 0.011+/-0.021 χ^2/NDF: 112.3/98

- sign -0.007+/-0.028 χ^2/NDF: 67.1/50



Right In: 130.854+/-0.028 χ^2/NDF: 2641250.9/23

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 103.017+/-0.022 χ^2/NDF: 5713266.2/27

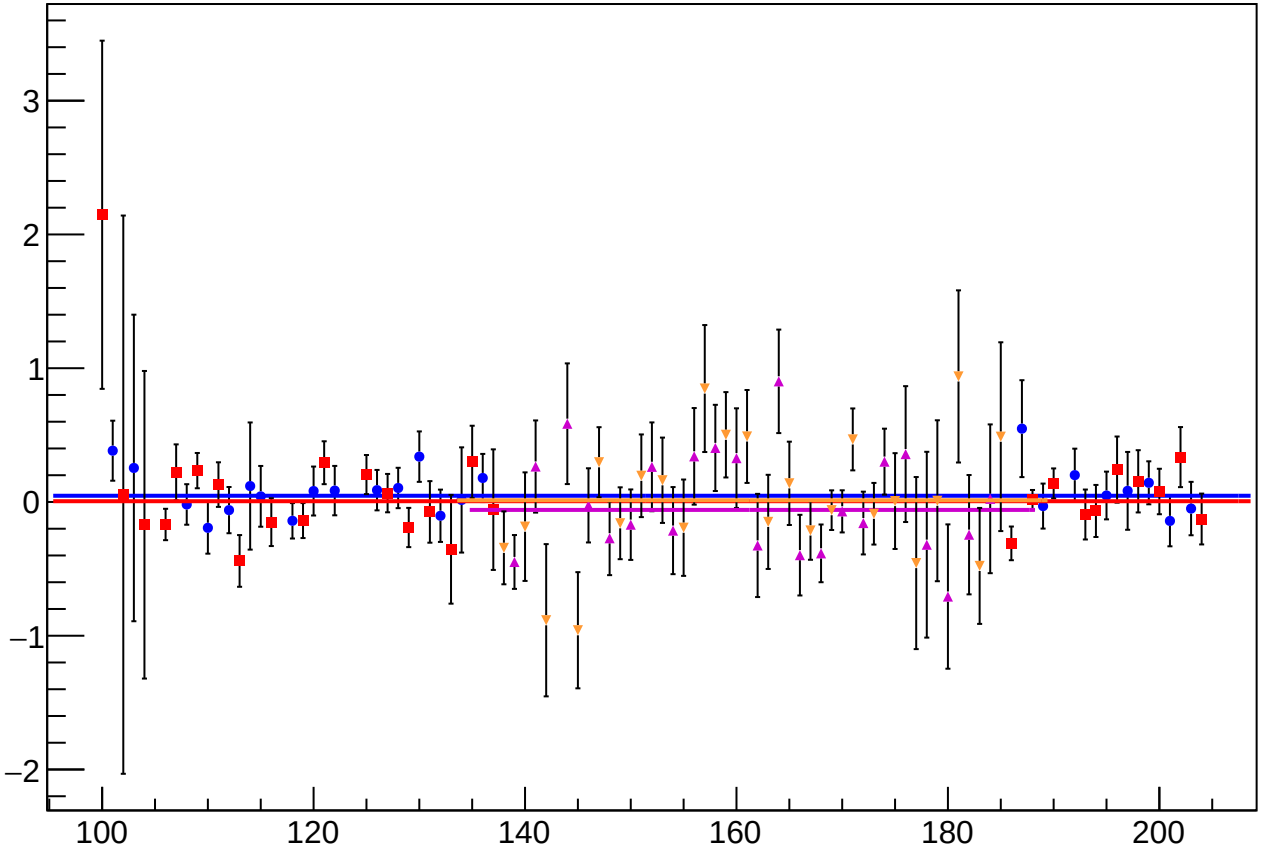
Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 164.306+/-0.024 χ^2/NDF: 12163706.5/47

All: 145.222+/-0.015 χ^2/NDF: 31327846.0/98

- sign 131.937+/-0.020 χ^2/NDF: 18053483.1/50

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.046+/-0.039 χ^2/NDF: 14.6/23

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

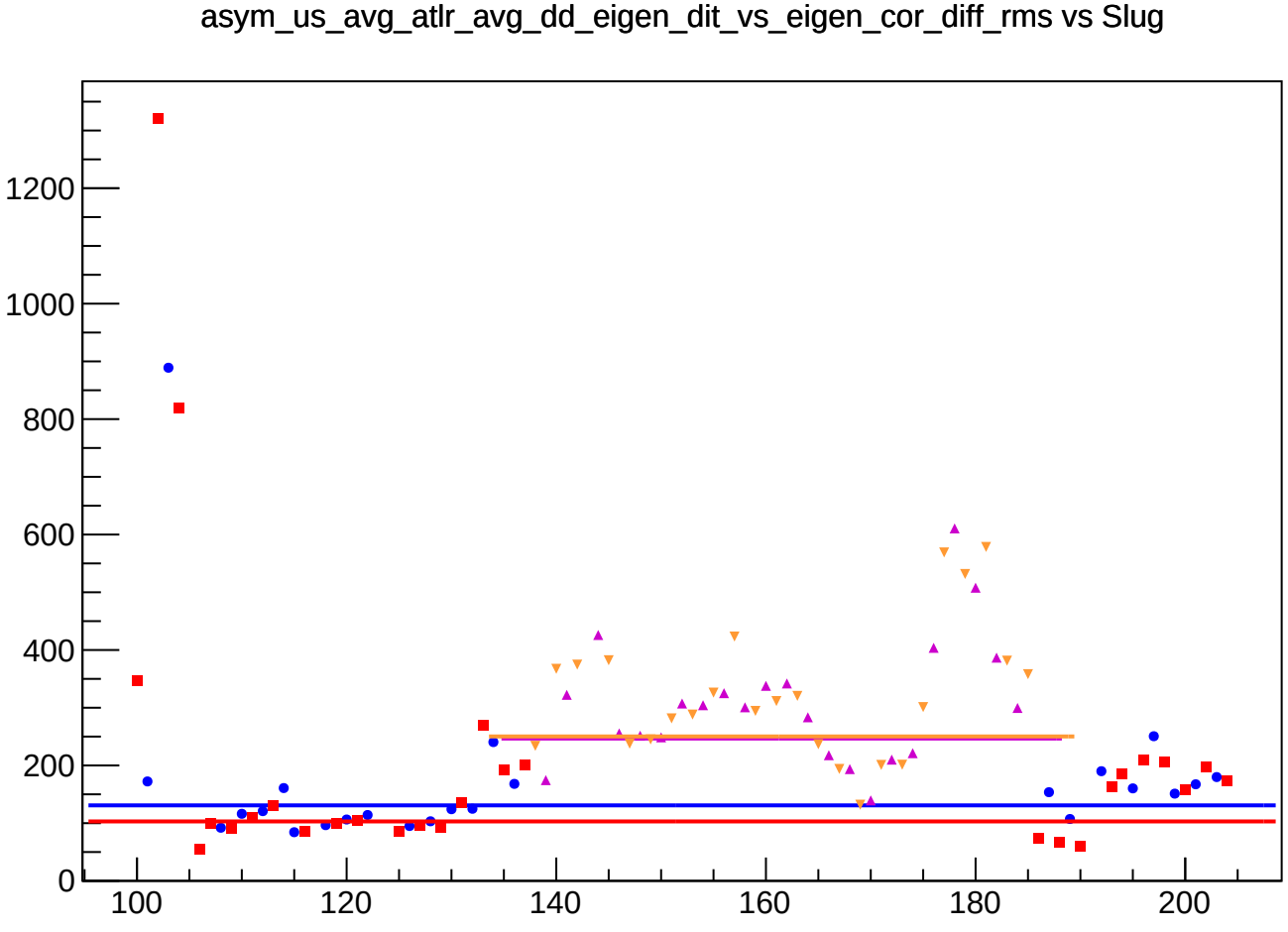
Right Out: 0.006+/-0.031 χ^2/NDF: 38.3/27

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.037+/-0.033 χ^2/NDF: 44.1/47

All: 0.011+/-0.021 χ^2/NDF: 112.3/98

- sign -0.007+/-0.028 χ^2/NDF: 67.1/50



Right In: 130.854+/-0.028 χ^2/NDF: 2641250.9/23

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

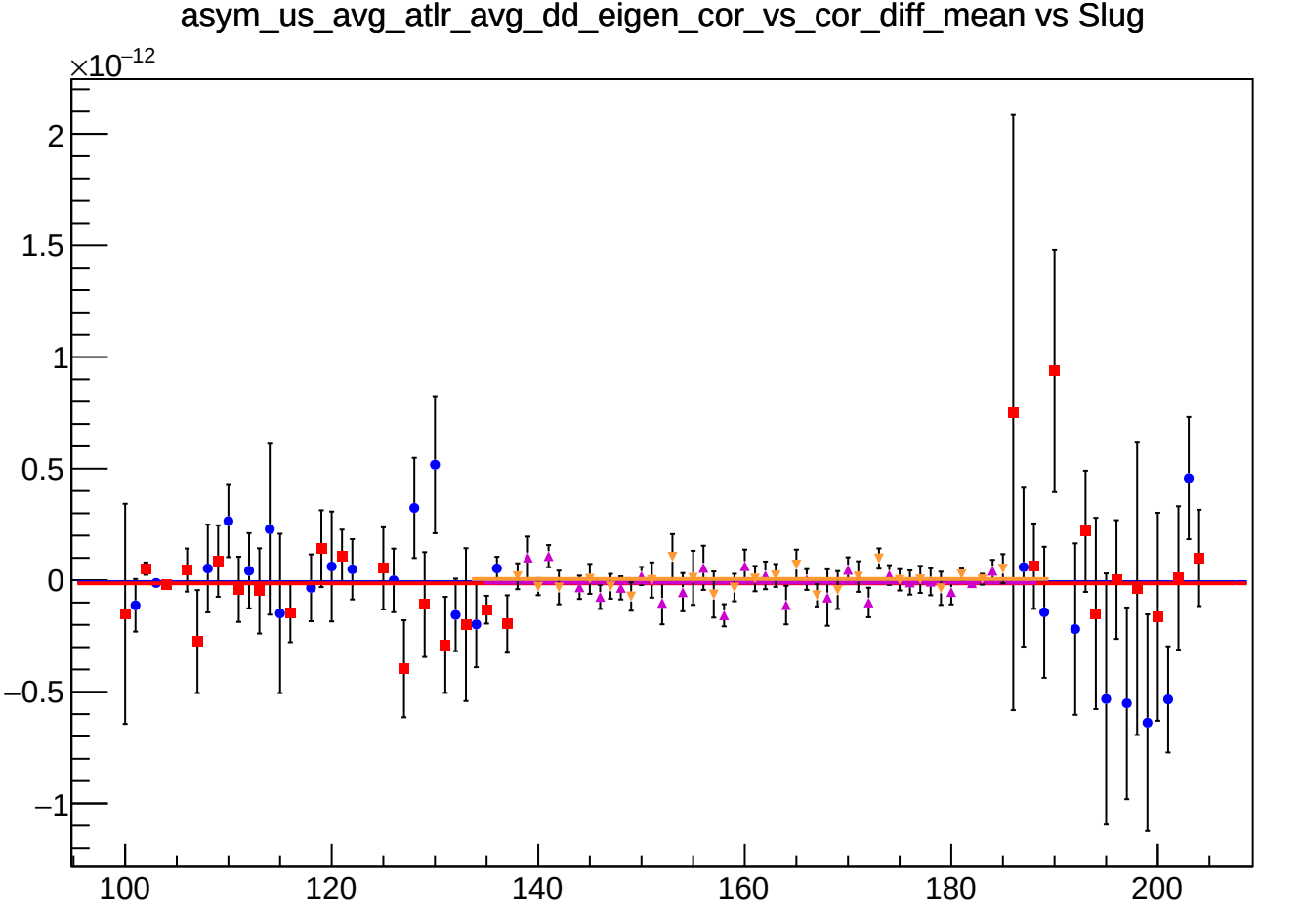
Right Out: 103.017+/-0.022 χ^2/NDF: 5713266.2/27

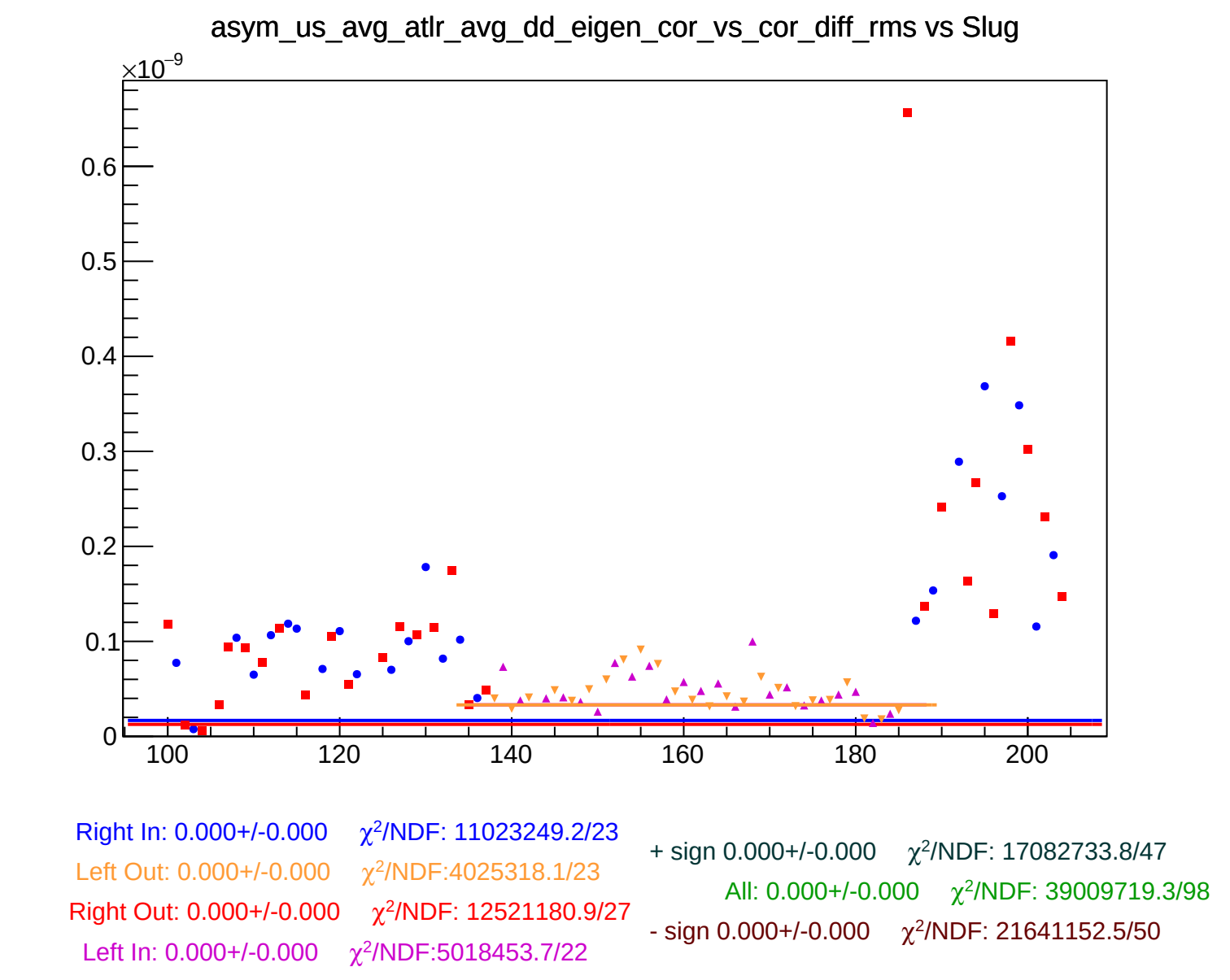
Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 164.306+/-0.024 χ^2/NDF: 12163706.5/47

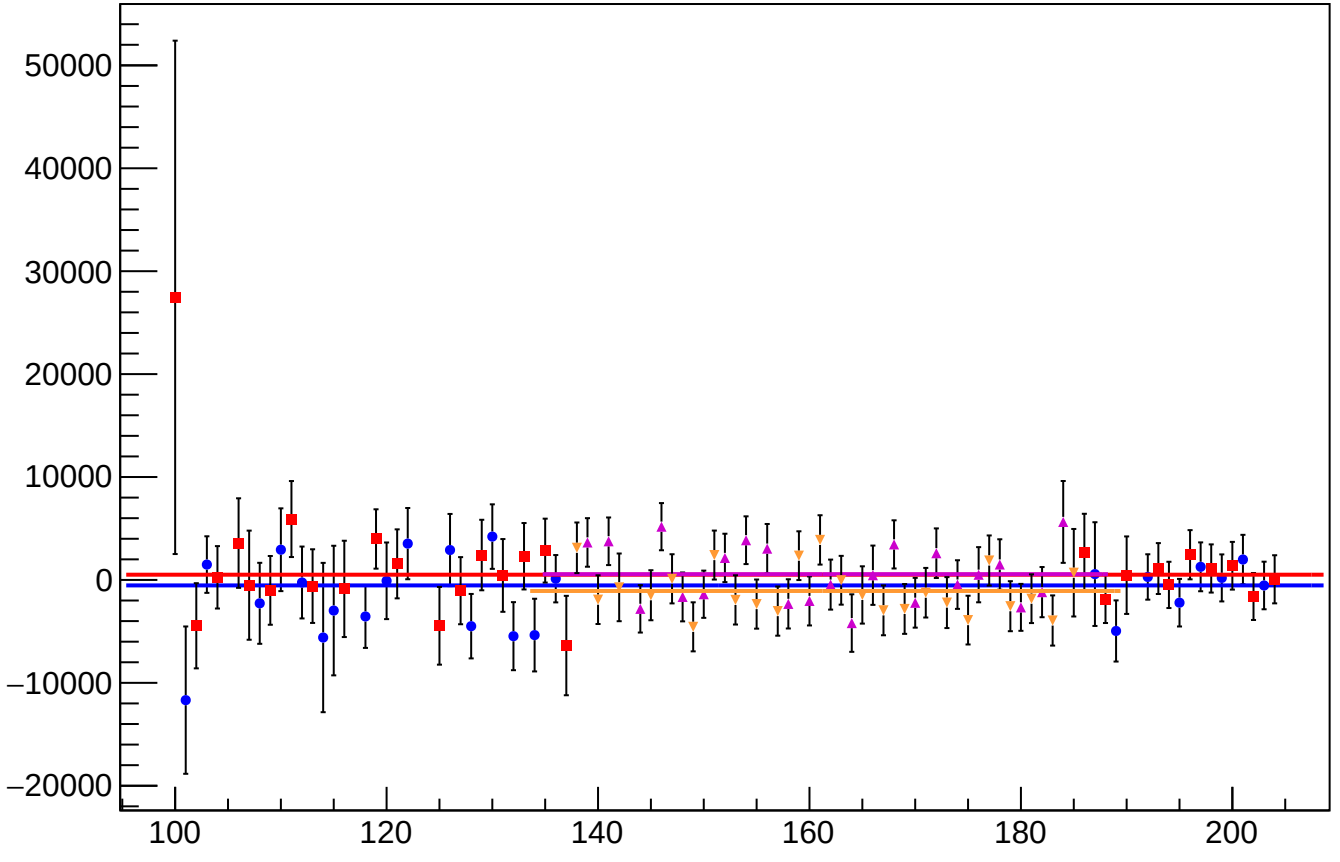
All: 145.222+/-0.015 χ^2/NDF: 31327846.0/98

- sign 131.937+/-0.020 χ^2/NDF: 18053483.1/50


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1.5
1
0.5
0
−0.5
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 25.5/23
Left Out: 0.000+/-0.000 χ²/NDF:13.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 26.7/27
Left In: -0.000+/-0.000 χ²/NDF:27.9/22
+ sign -0.000+/-0.000 χ²/NDF: 40.1/47
All: -0.000+/-0.000 χ²/NDF: 96.0/98
- sign -0.000+/-0.000 χ²/NDF: 54.7/50


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 11023249.2/23
Left Out: 0.000+/-0.000 χ²/NDF:4025318.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 12521180.9/27
Left In: 0.000+/-0.000 χ²/NDF:5018453.7/22
+ sign 0.000+/-0.000 χ²/NDF: 17082733.8/47
All: 0.000+/-0.000 χ²/NDF: 39009719.3/98
- sign 0.000+/-0.000 χ²/NDF: 21641152.5/50

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -532.027+/-621.579 χ^2/NDF: 20.7/23

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 508.309+/-584.074 χ^2/NDF: 15.8/27

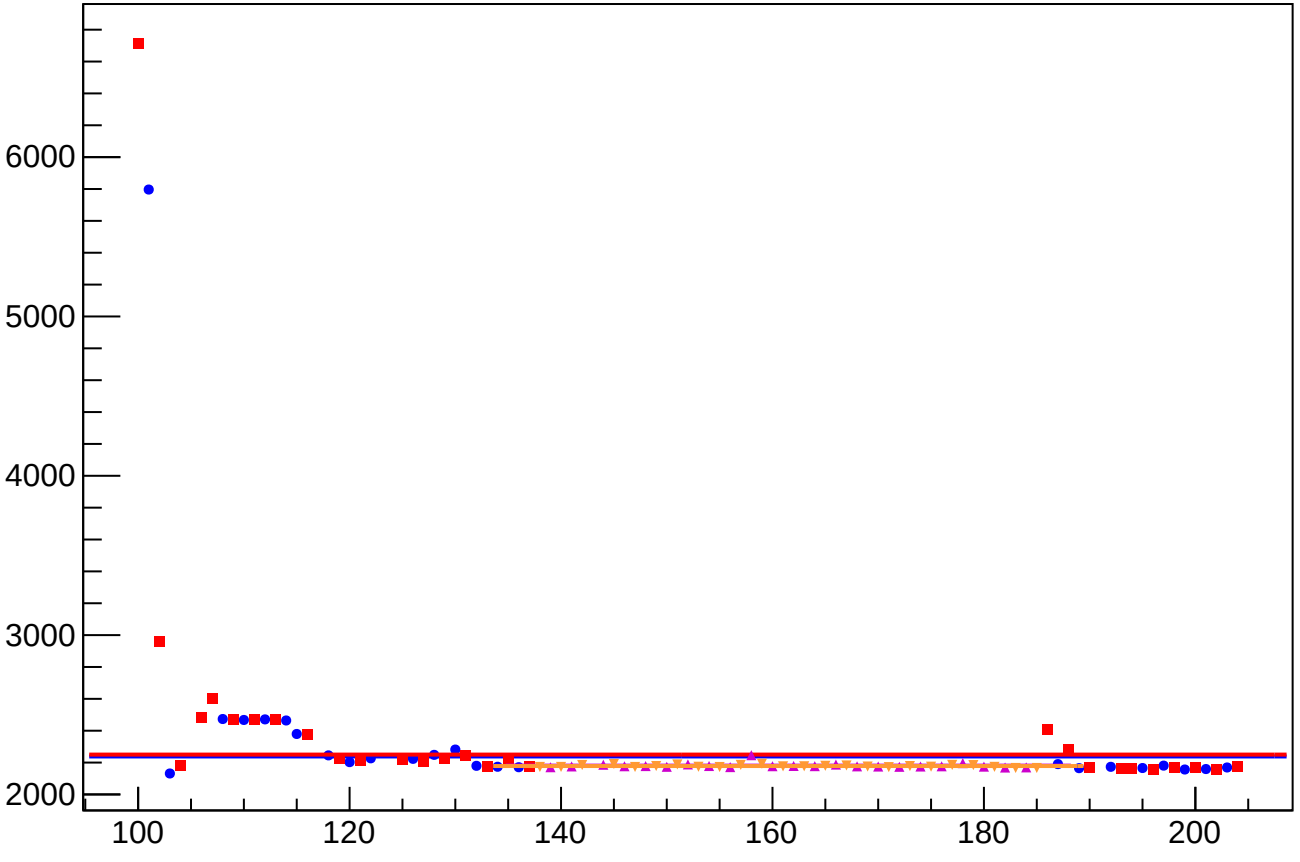
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -857.544+/-392.197 χ^2/NDF: 42.7/47

All: -145.732+/-274.316 χ^2/NDF: 93.6/98

- sign 536.003+/-383.822 χ^2/NDF: 44.5/50

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2238.357+/-0.440 χ^2/NDF: 539199.2/23

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

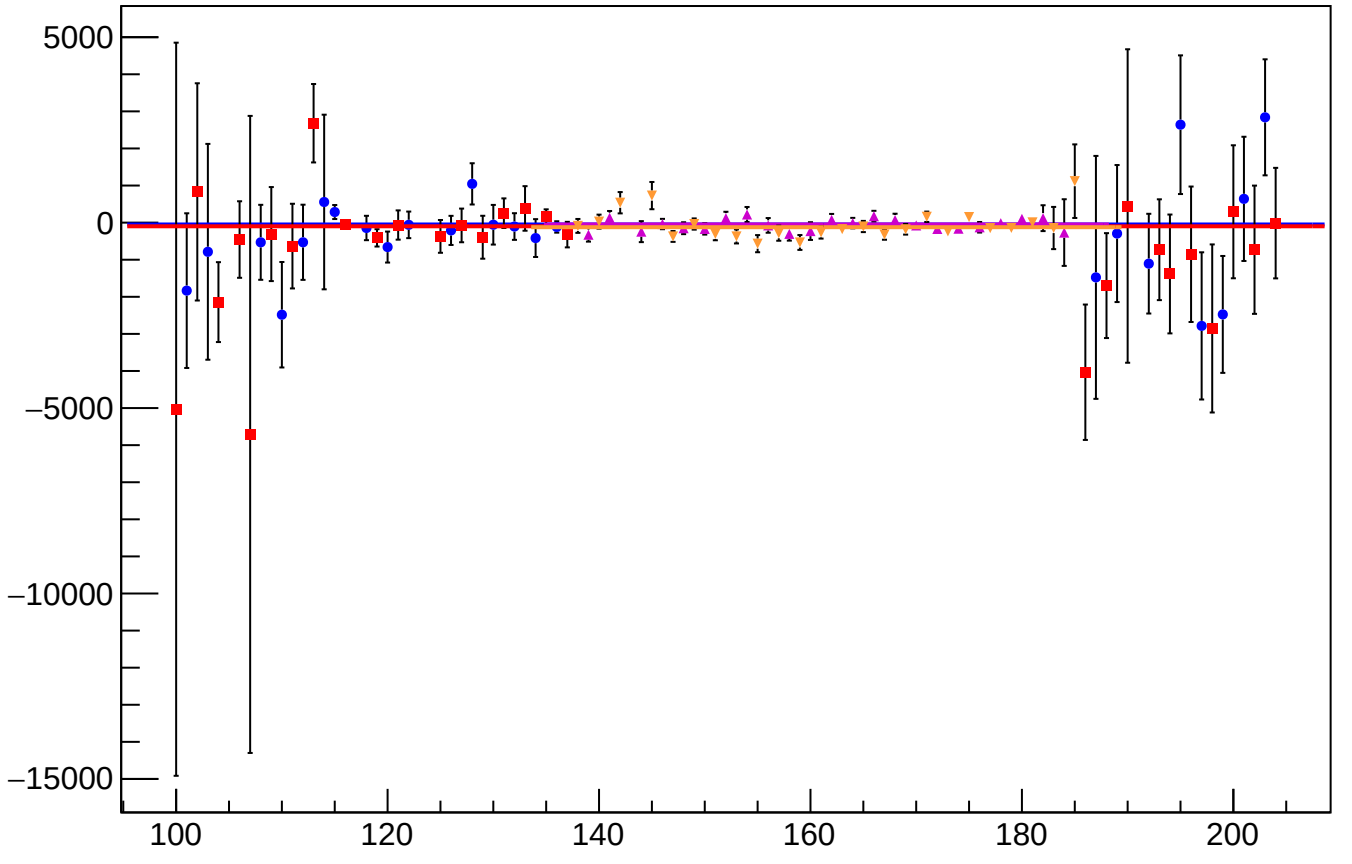
Right Out: 2250.105+/-0.413 χ^2/NDF: 189034.1/27

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2202.177+/-0.277 χ^2/NDF: 550846.9/47

All: 2206.579+/-0.194 χ^2/NDF: 758185.0/98

- sign 2210.796+/-0.271 χ^2/NDF: 206844.6/50



Right In: -50.095+/-89.936 χ^2/NDF: 25.1/23

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

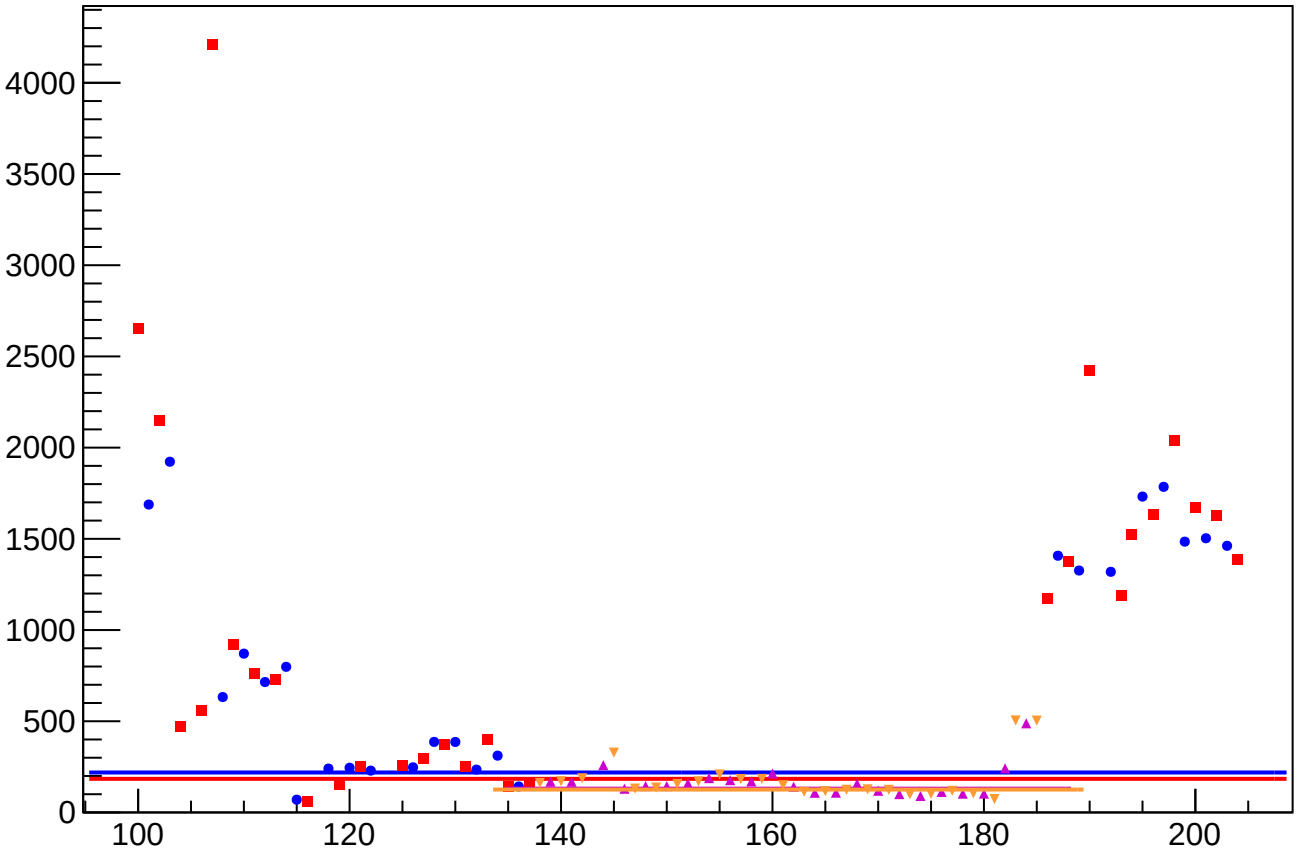
Right Out: -98.680+/-81.455 χ^2/NDF: 26.4/27

Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -115.082+/-29.652 χ^2/NDF: 69.5/47

All: -86.581+/-21.166 χ^2/NDF: 116.3/98

- sign -56.974+/-30.222 χ^2/NDF: 44.9/50



Right In: 219.066+/-0.064 χ^2/NDF: 13853839.6/23

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 184.309+/-0.058 χ^2/NDF: 18143615.2/27

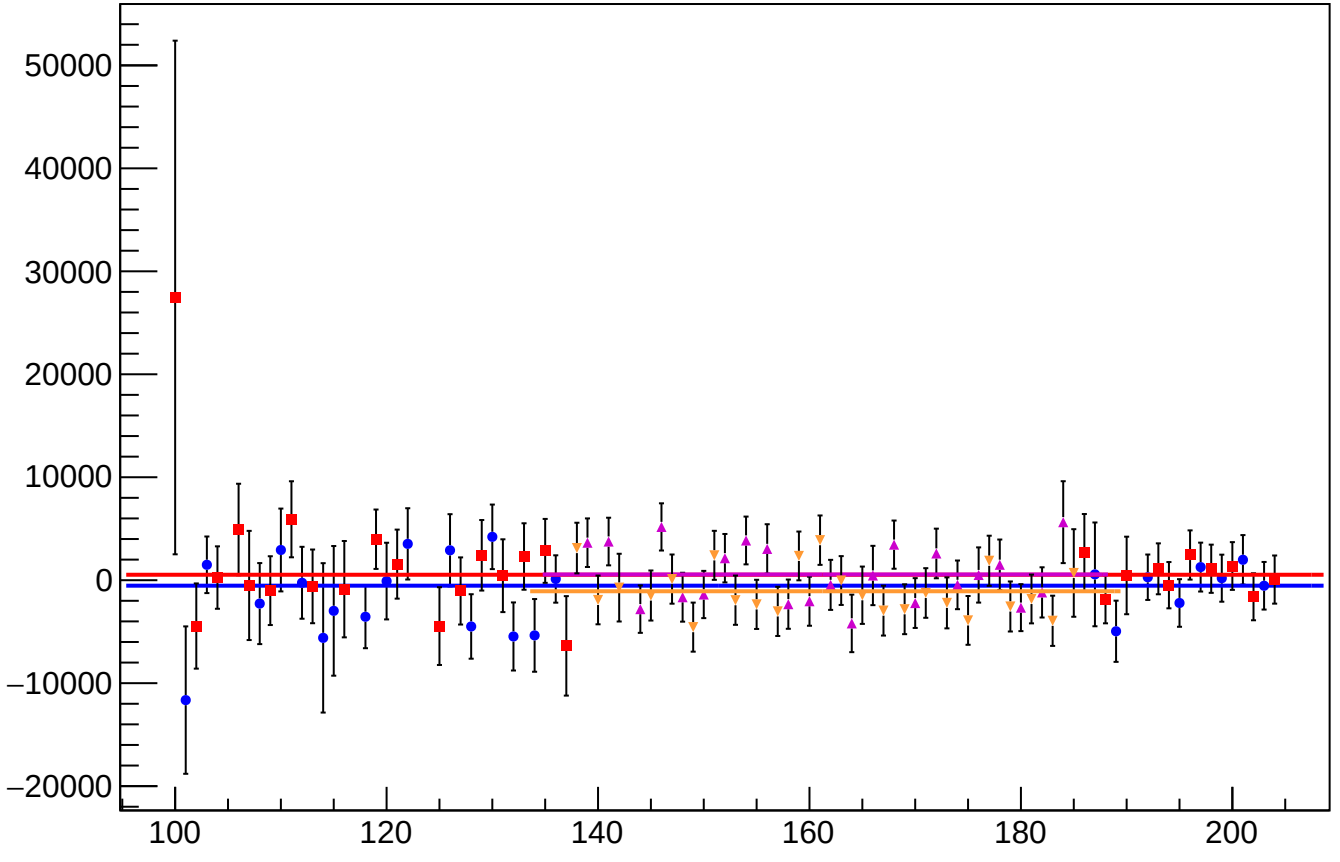
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 135.677+/-0.021 χ^2/NDF: 19725755.2/47

All: 136.744+/-0.015 χ^2/NDF: 41308758.9/98

- sign 137.852+/-0.021 χ^2/NDF: 21577721.8/50

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -531.518+/-621.579 χ^2/NDF: 20.6/23

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 529.378+/-584.292 χ^2/NDF: 16.3/27

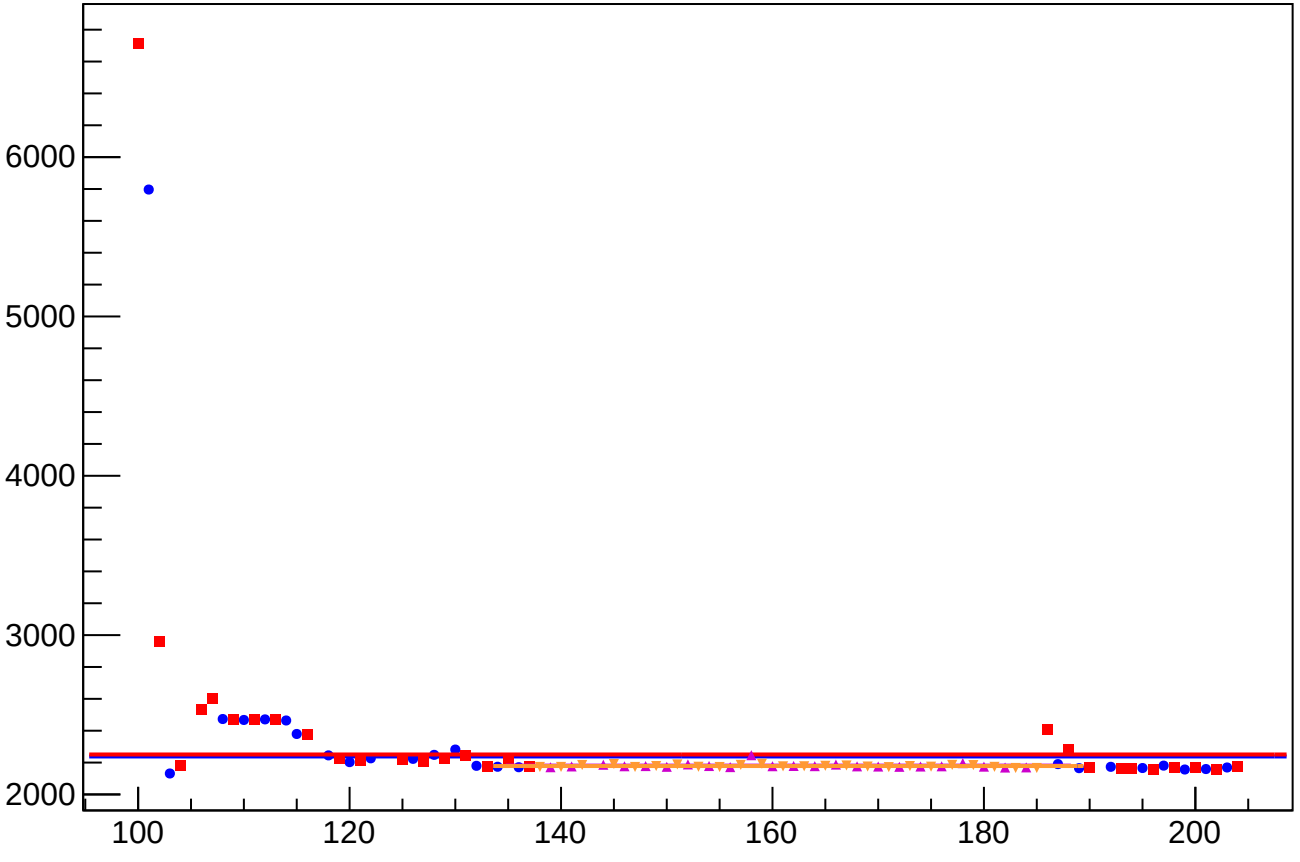
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -857.300+/-392.197 χ^2/NDF: 42.7/47

All: -141.068+/-274.339 χ^2/NDF: 94.2/98

- sign 545.122+/-383.884 χ^2/NDF: 45.0/50

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2238.357+/-0.440 χ^2/NDF: 539199.5/23

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

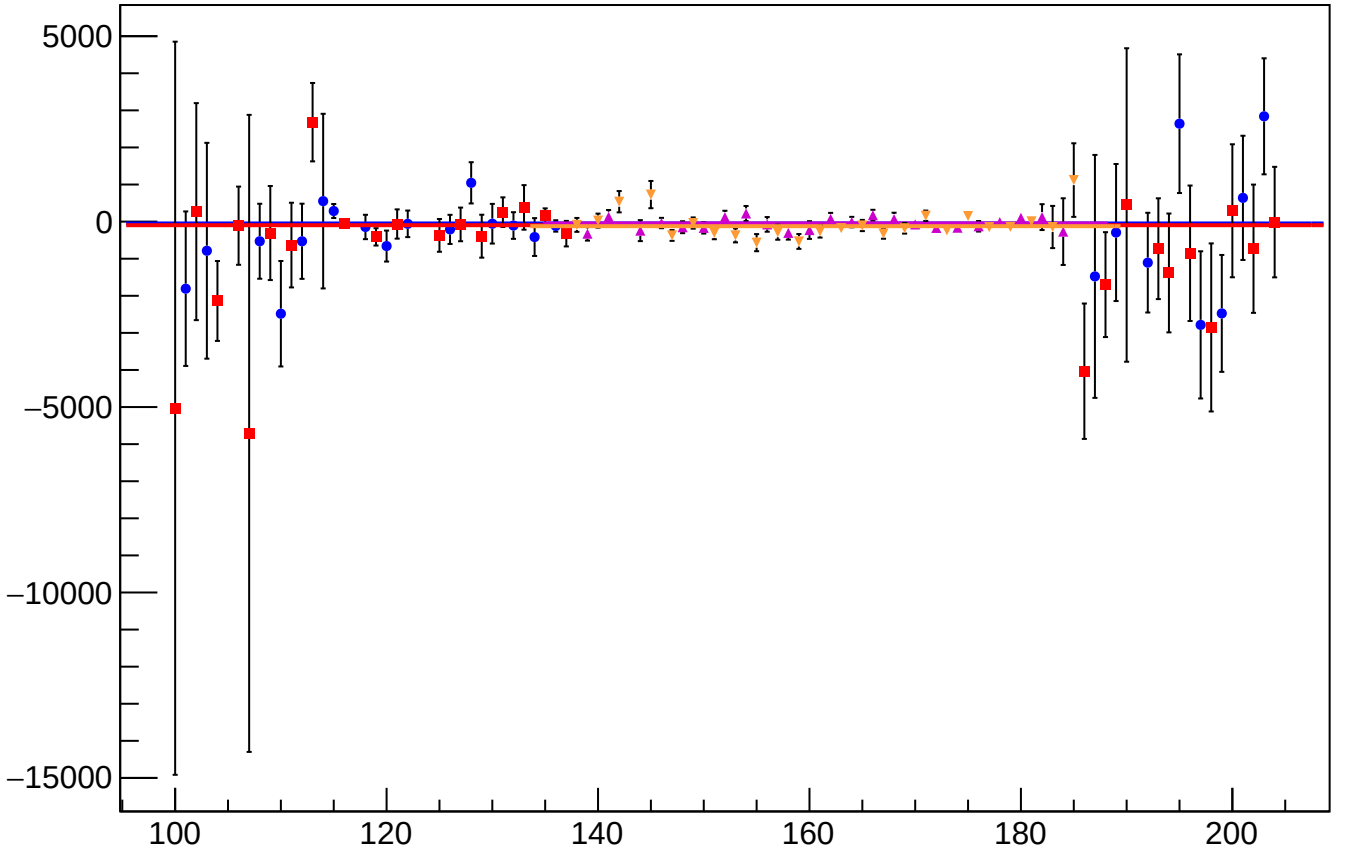
Right Out: 2250.807+/-0.413 χ^2/NDF: 191452.8/27

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2202.177+/-0.277 χ^2/NDF: 550847.2/47

All: 2206.727+/-0.194 χ^2/NDF: 760955.8/98

- sign 2211.087+/-0.271 χ^2/NDF: 209581.5/50



Right In: -50.127+/-89.941 χ^2/NDF: 25.1/23

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: -96.689+/-81.396 χ^2/NDF: 26.2/27

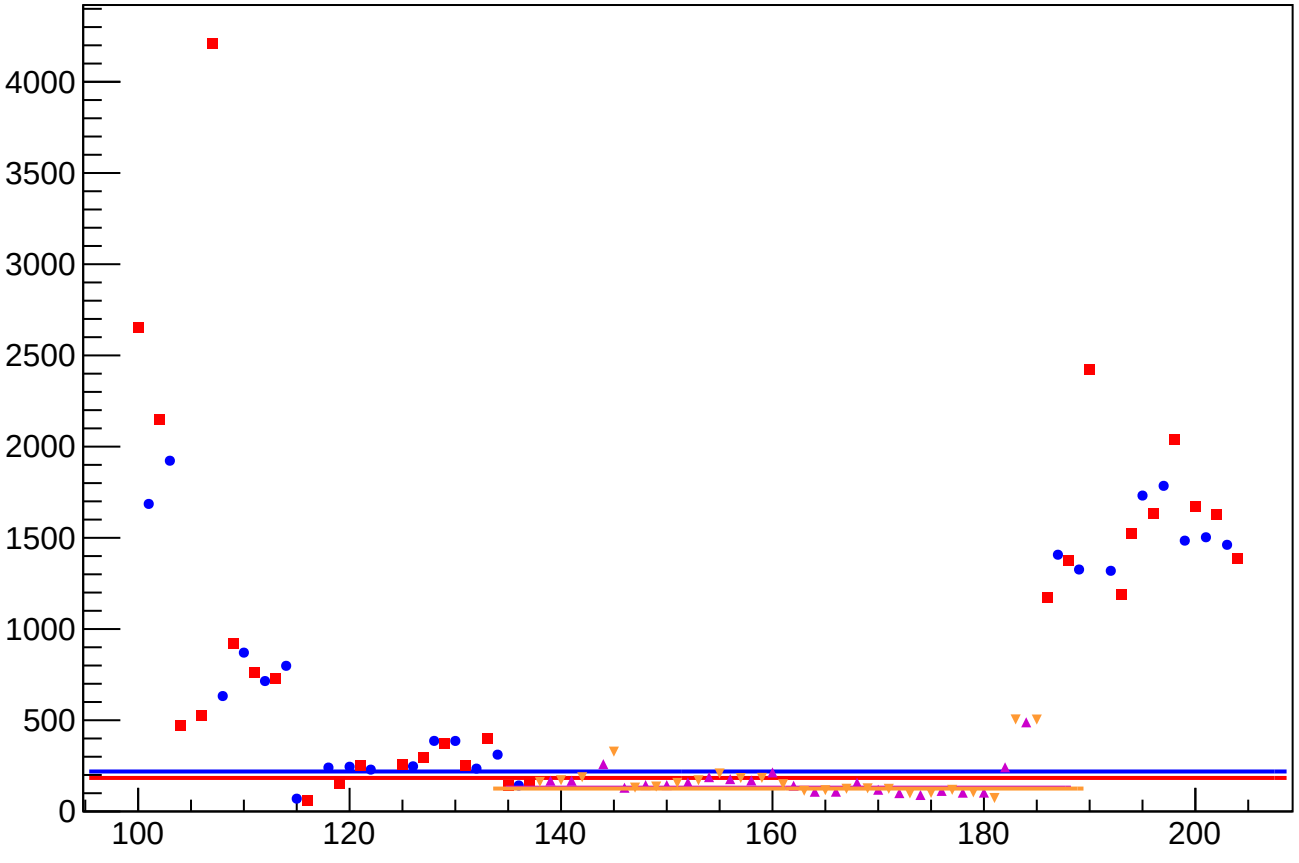
Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.015+/-29.652 χ^2/NDF: 69.5/47

All: -86.371+/-21.166 χ^2/NDF: 116.1/98

- sign -56.617+/-30.221 χ^2/NDF: 44.7/50

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 219.093+/-0.064 χ^2/NDF: 13852368.6/23

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 183.723+/-0.058 χ^2/NDF: 18108040.8/27

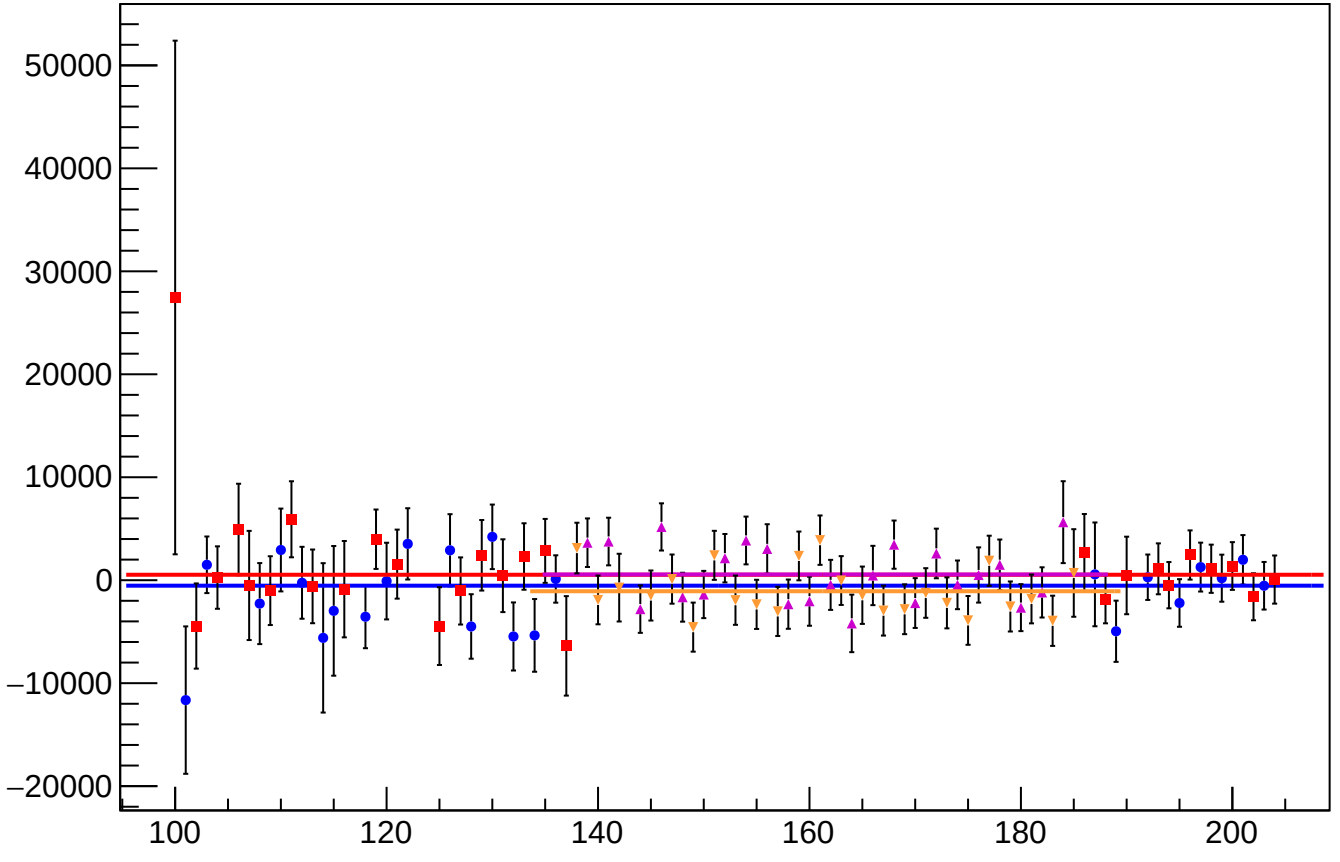
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 135.675+/-0.021 χ^2/NDF: 19726176.8/47

All: 136.715+/-0.015 χ^2/NDF: 41257182.5/98

- sign 137.795+/-0.021 χ^2/NDF: 21525992.0/50

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -531.518+/-621.579 χ^2/NDF: 20.6/23

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 529.378+/-584.292 χ^2/NDF: 16.3/27

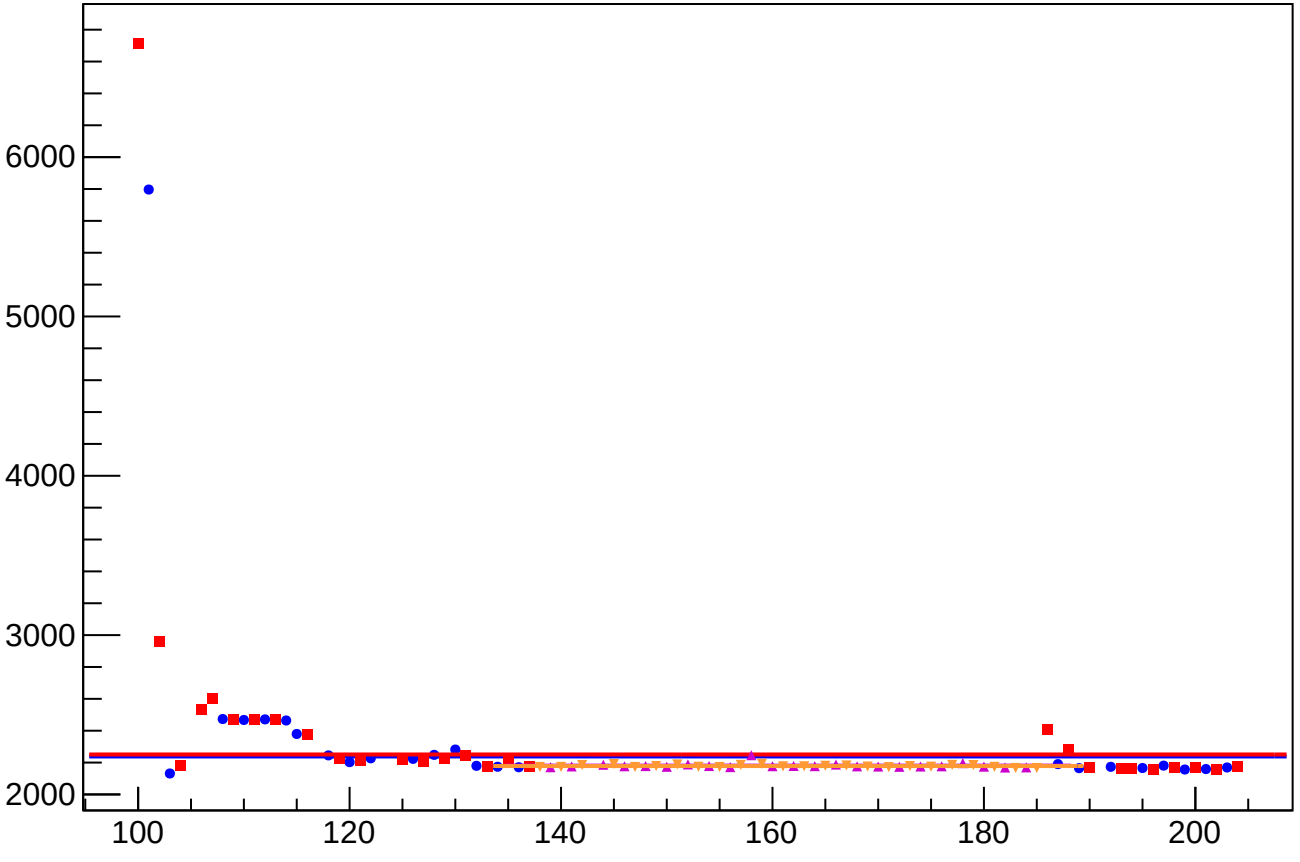
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -857.300+/-392.197 χ^2/NDF: 42.7/47

All: -141.068+/-274.339 χ^2/NDF: 94.2/98

- sign 545.122+/-383.884 χ^2/NDF: 45.0/50

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2238.357+/-0.440 χ^2/NDF: 539199.5/23

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

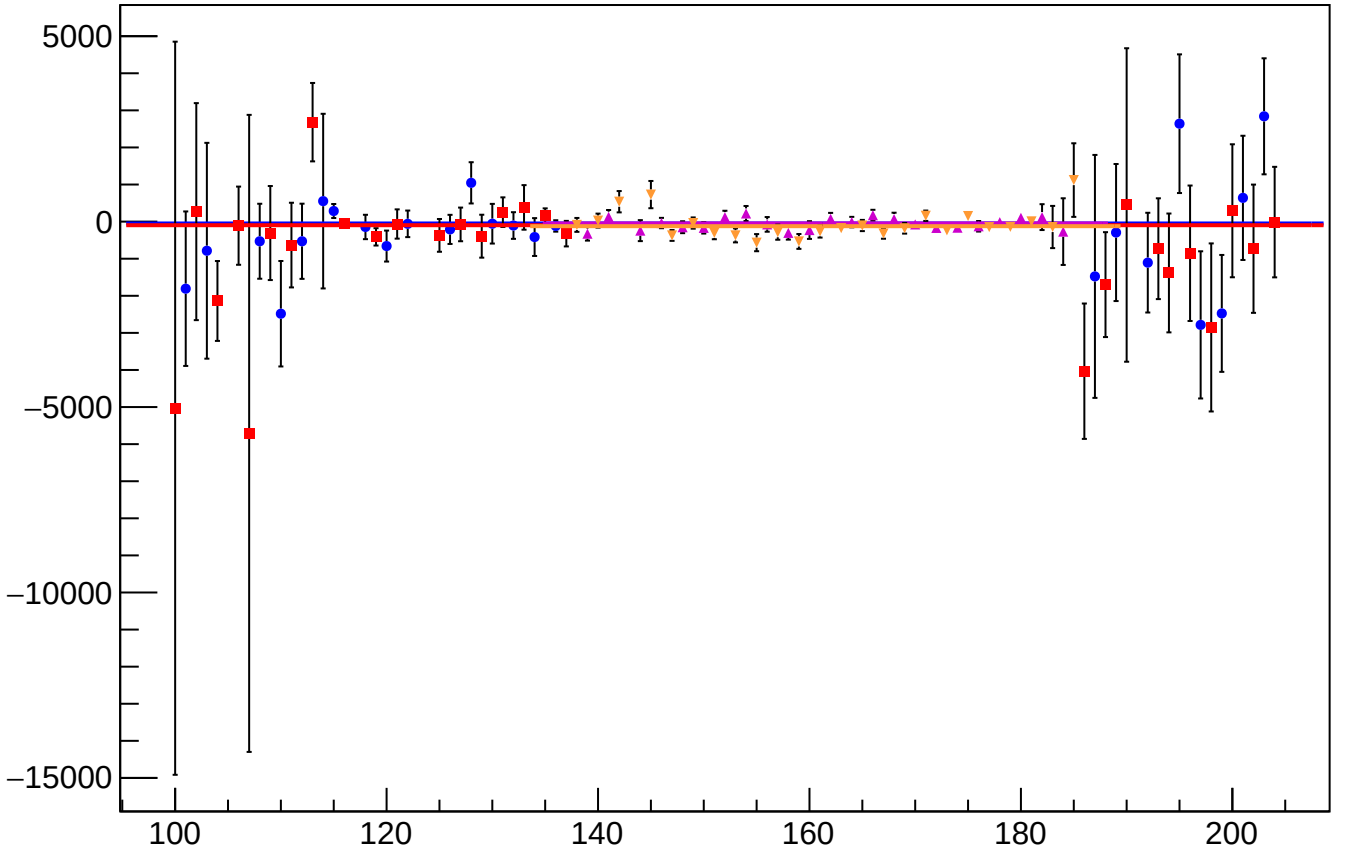
Right Out: 2250.807+/-0.413 χ^2/NDF: 191452.8/27

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2202.177+/-0.277 χ^2/NDF: 550847.2/47

All: 2206.727+/-0.194 χ^2/NDF: 760955.8/98

- sign 2211.087+/-0.271 χ^2/NDF: 209581.5/50



Right In: -50.127+/-89.941 χ^2/NDF: 25.1/23

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

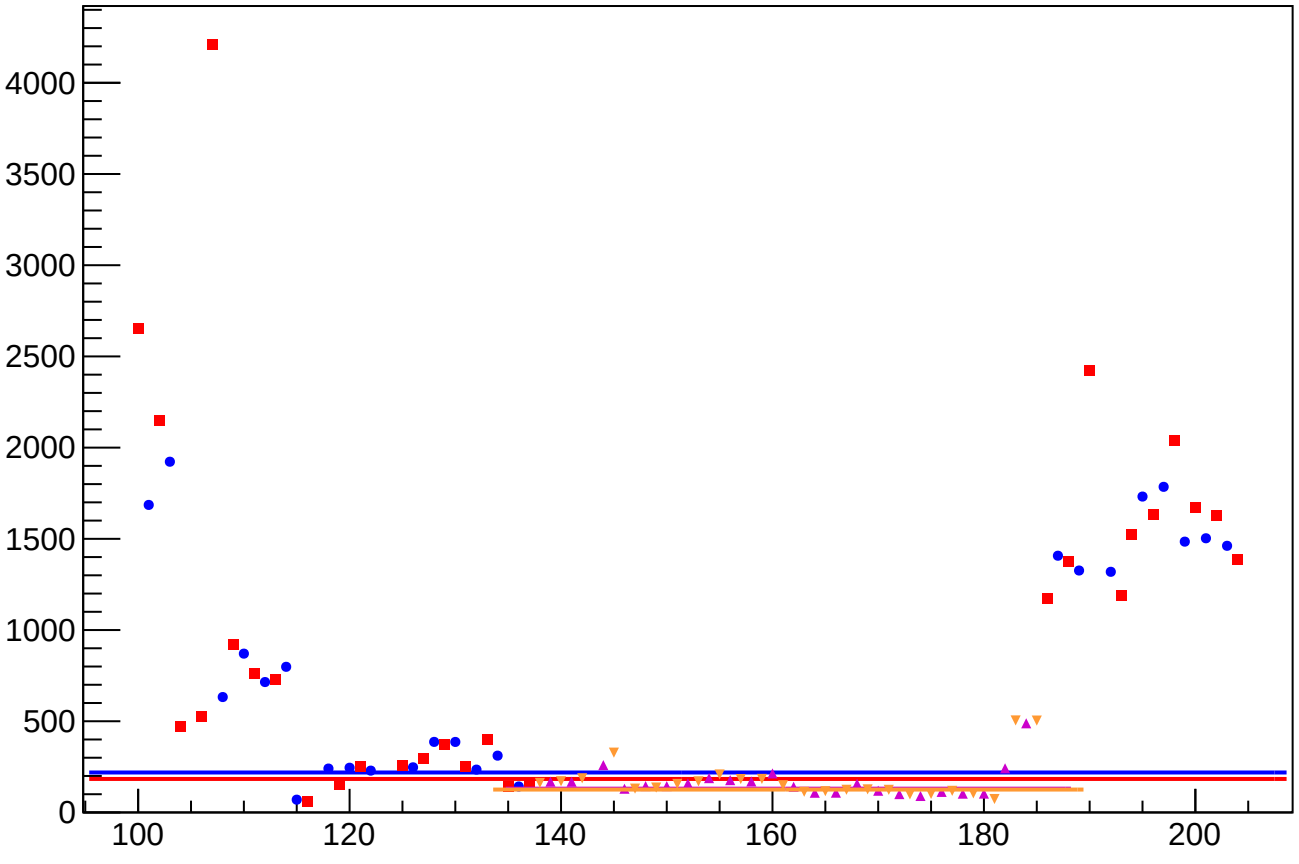
Right Out: -96.689+/-81.396 χ^2/NDF: 26.2/27

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.015+/-29.652 χ^2/NDF: 69.5/47

All: -86.371+/-21.166 χ^2/NDF: 116.1/98

- sign -56.617+/-30.221 χ^2/NDF: 44.7/50



Right In: 219.093+/-0.064 χ^2/NDF: 13852368.6/23

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 183.723+/-0.058 χ^2/NDF: 18108040.8/27

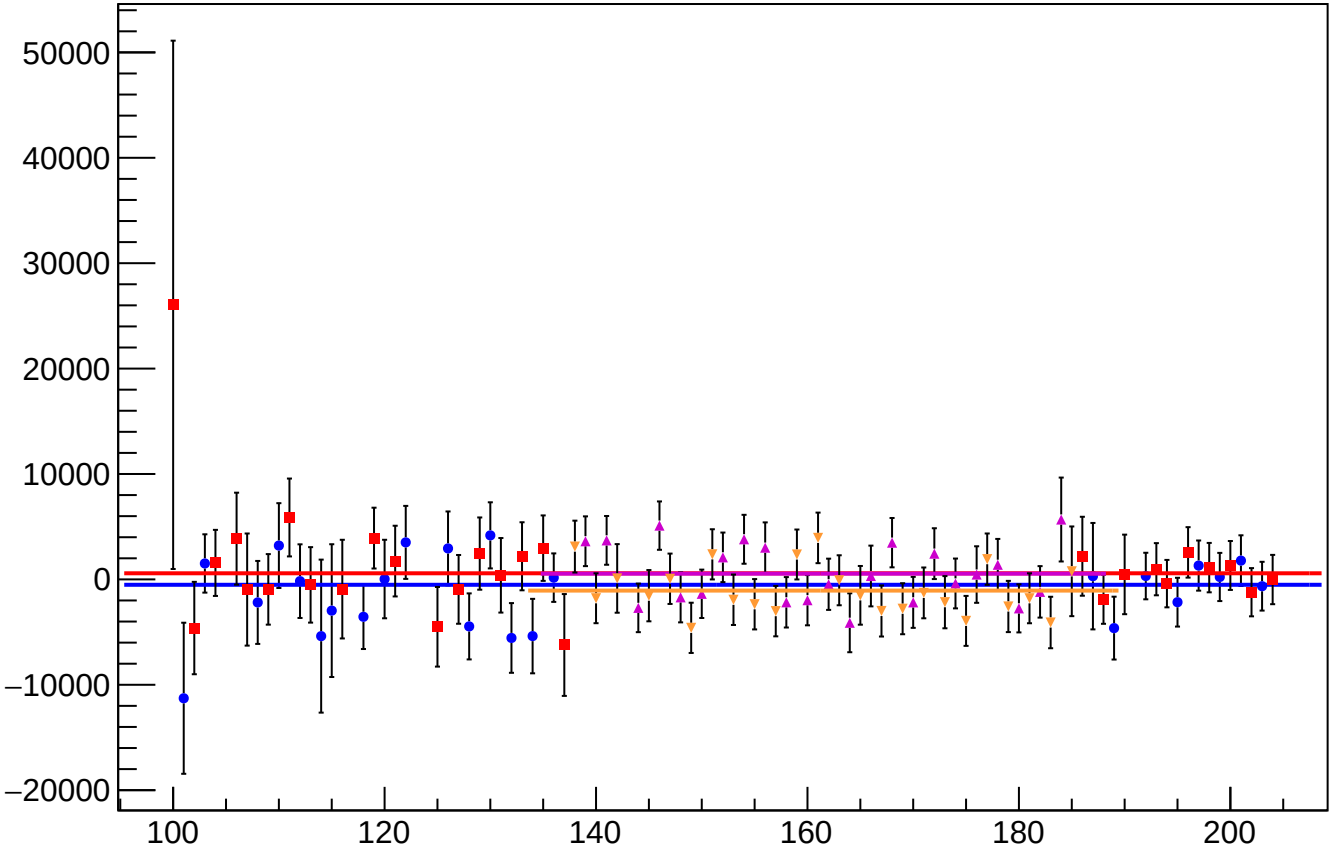
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 135.675+/-0.021 χ^2/NDF: 19726176.8/47

All: 136.715+/-0.015 χ^2/NDF: 41257182.5/98

- sign 137.795+/-0.021 χ^2/NDF: 21525992.0/50

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -512.476+/-622.324 χ^2/NDF: 20.1/23

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 578.974+/-585.965 χ^2/NDF: 15.3/27

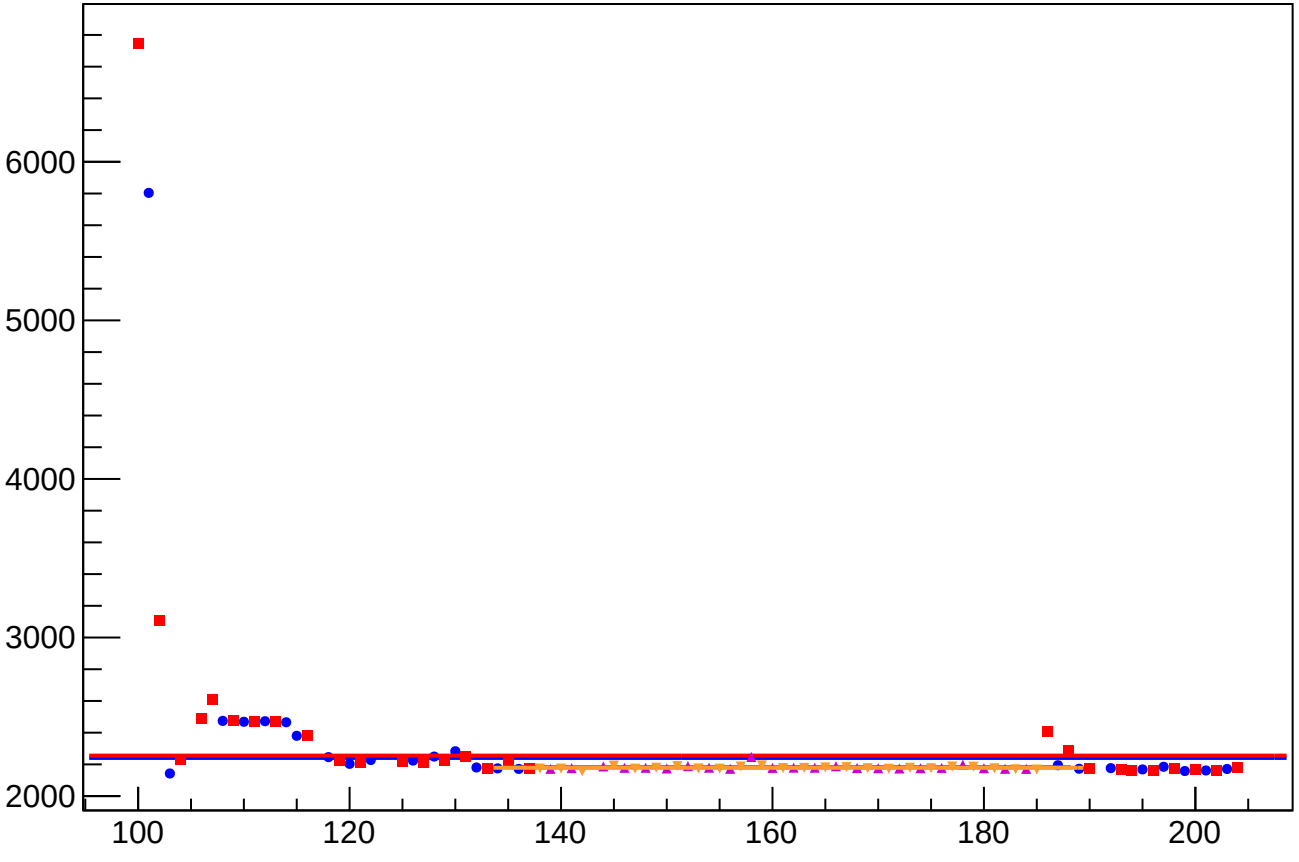
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -843.713+/-392.427 χ^2/NDF: 42.4/47

All: -127.858+/-274.626 χ^2/NDF: 92.2/98

- sign 559.203+/-384.454 χ^2/NDF: 43.2/50

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2240.924+/-0.440 χ^2/NDF: 538438.9/23

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

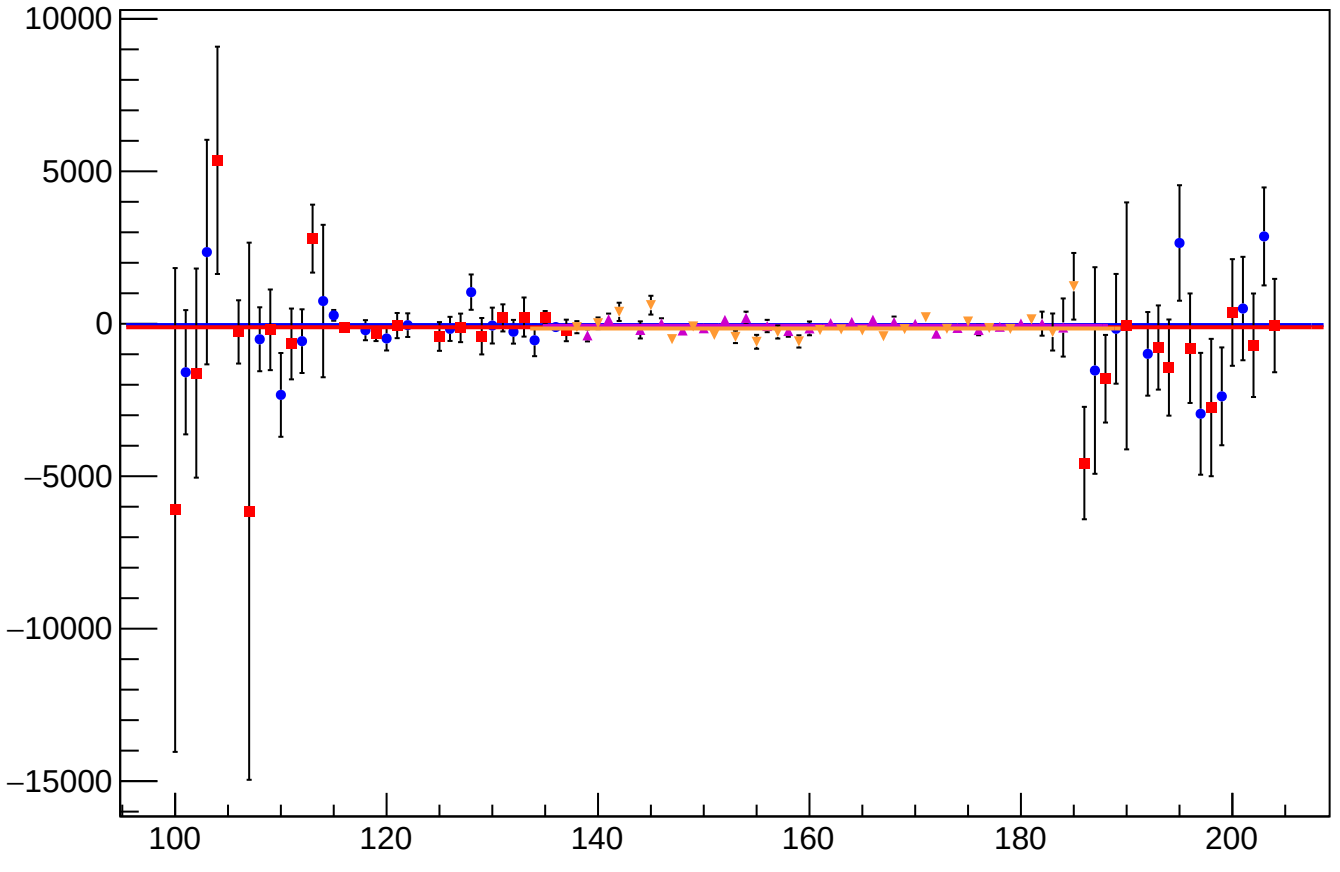
Right Out: 2255.271+/-0.414 χ^2/NDF: 206811.2/27

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2203.324+/-0.277 χ^2/NDF: 551015.2/47

All: 2208.503+/-0.194 χ^2/NDF: 778214.9/98

- sign 2213.474+/-0.272 χ^2/NDF: 226516.9/50



Right In: -42.185+/-91.408 χ^2/NDF: 24.4/23

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

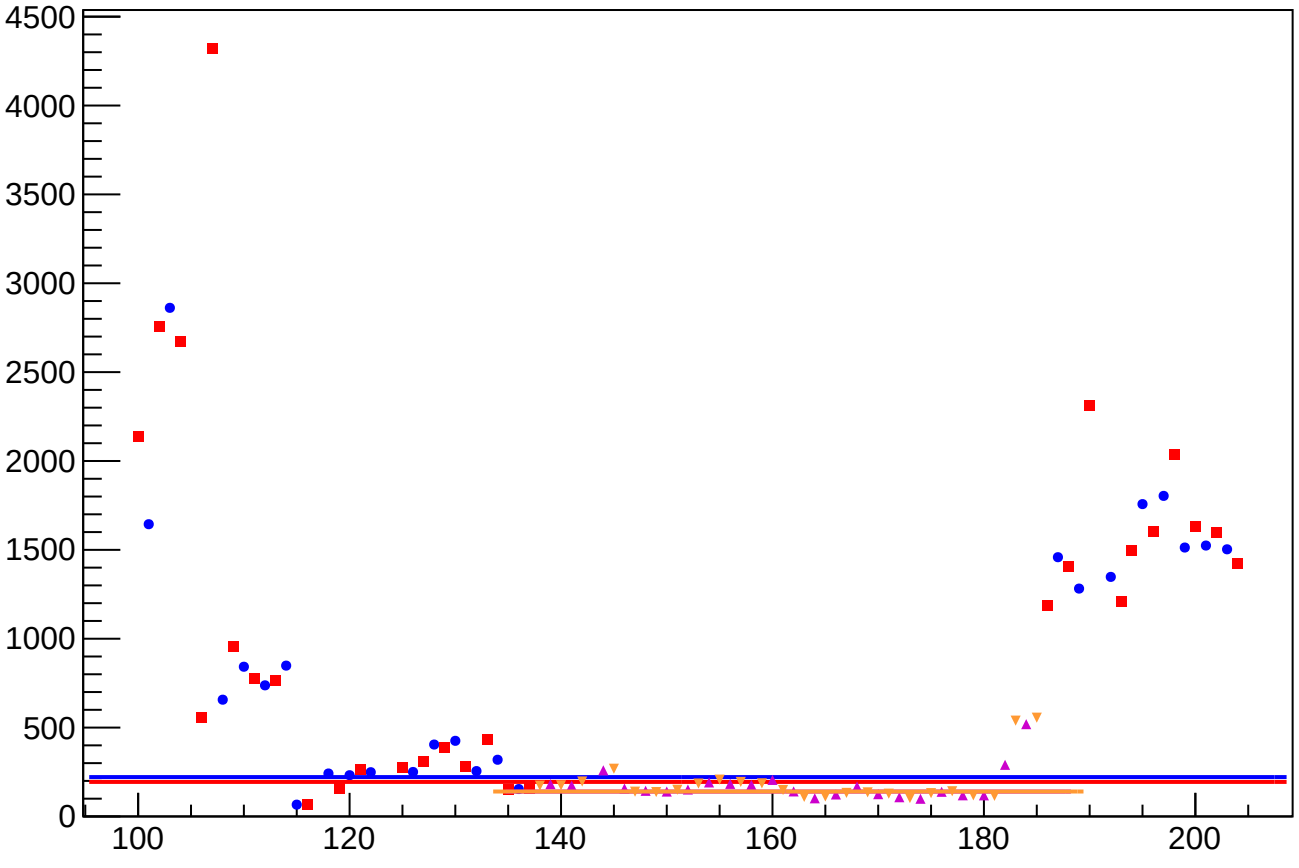
Right Out: -114.252+/-85.031 χ^2/NDF: 24.9/27

Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

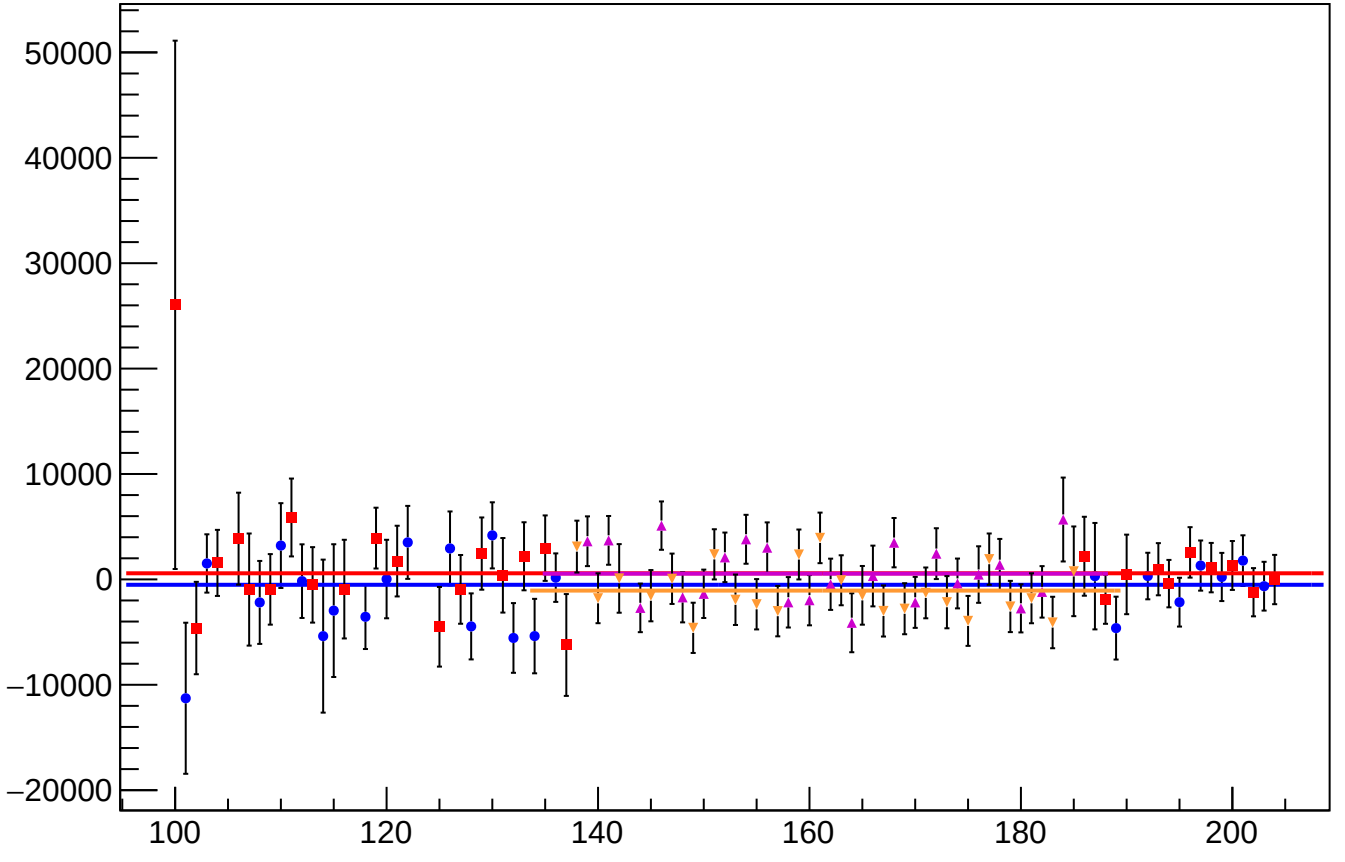
+ sign -141.004+/-31.917 χ^2/NDF: 73.0/47

All: -108.458+/-22.503 χ^2/NDF: 119.2/98

- sign -76.285+/-31.733 χ^2/NDF: 44.1/50


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 221.516+/-0.065 χ²/NDF: 14432525.7/23
Left Out: 140.319+/-0.024 χ²/NDF:2760284.0/23
Right Out: 194.316+/-0.060 χ²/NDF: 18919748.6/27
Left In: 139.979+/-0.024 χ²/NDF:2412455.4/22
+ sign 150.218+/-0.023 χ²/NDF: 18578555.1/47
All: 148.875+/-0.016 χ²/NDF: 40620768.8/98
- sign 147.546+/-0.022 χ²/NDF: 22035165.0/50

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -512.476+/-622.324 χ^2/NDF: 20.1/23

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 578.972+/-585.965 χ^2/NDF: 15.3/27

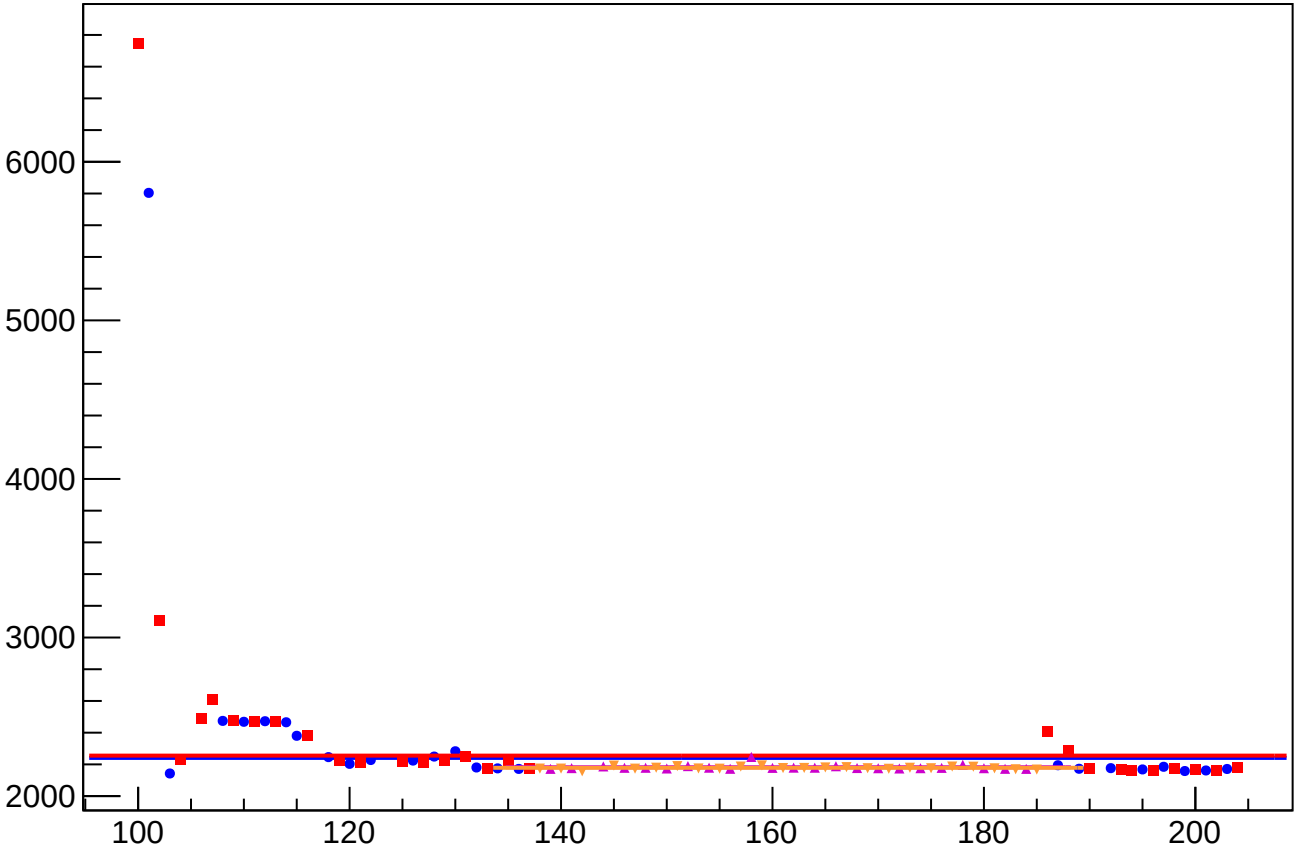
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -843.714+/-392.427 χ^2/NDF: 42.4/47

All: -127.859+/-274.626 χ^2/NDF: 92.2/98

- sign 559.202+/-384.454 χ^2/NDF: 43.2/50

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2240.924+/-0.440 χ^2/NDF: 538439.0/23

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

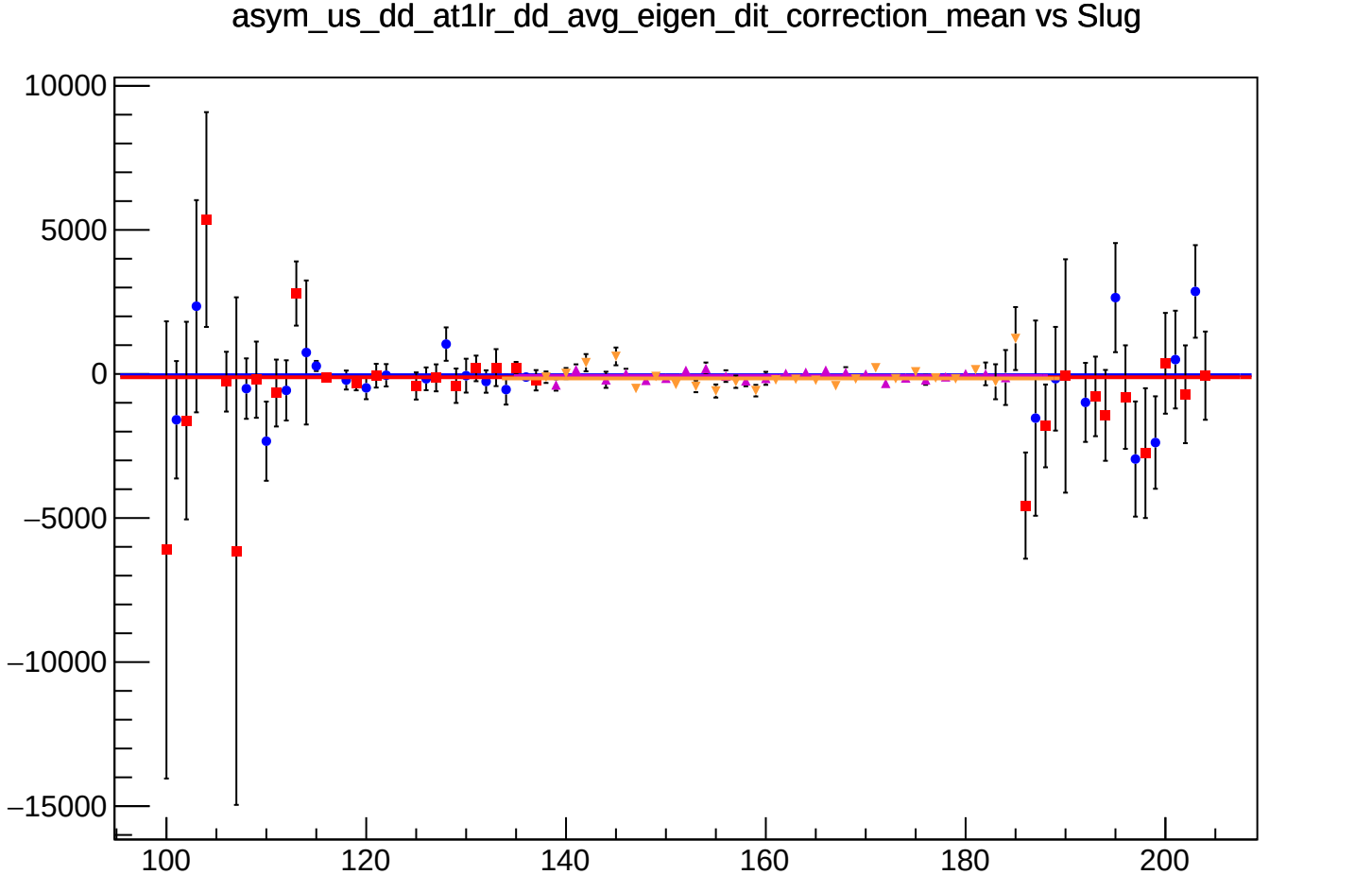
Right Out: 2255.271+/-0.414 χ^2/NDF: 206811.1/27

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2203.324+/-0.277 χ^2/NDF: 551015.3/47

All: 2208.503+/-0.194 χ^2/NDF: 778214.8/98

- sign 2213.474+/-0.272 χ^2/NDF: 226516.8/50



Right In: -42.182+/-91.407 χ^2/NDF: 24.4/23

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

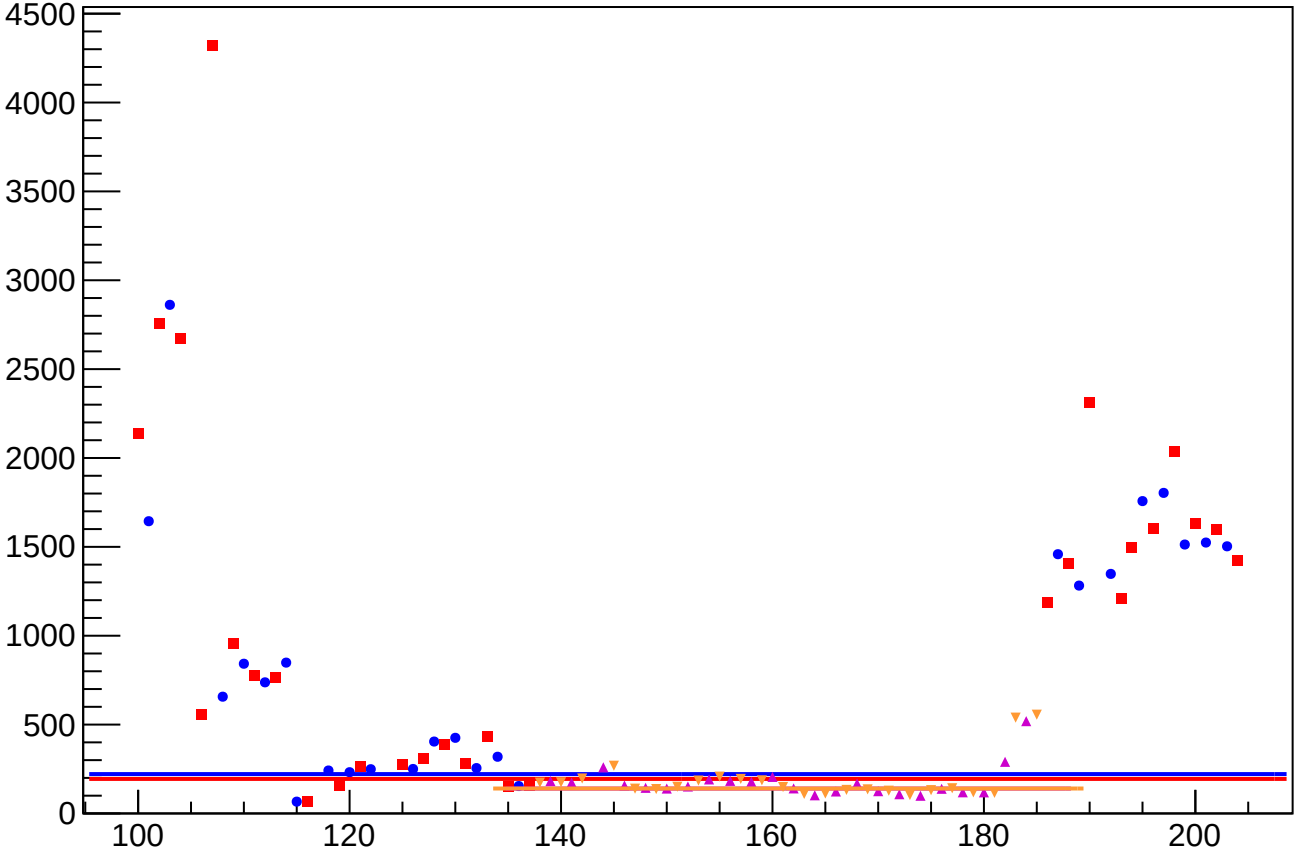
Right Out: -114.252+/-85.031 χ^2/NDF: 24.9/27

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -141.005+/-31.917 χ^2/NDF: 73.0/47

All: -108.458+/-22.503 χ^2/NDF: 119.2/98

- sign -76.284+/-31.733 χ^2/NDF: 44.1/50



Right In: 221.513+/-0.065 χ^2/NDF: 14432600.3/23

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 194.313+/-0.060 χ^2/NDF: 18919855.6/27

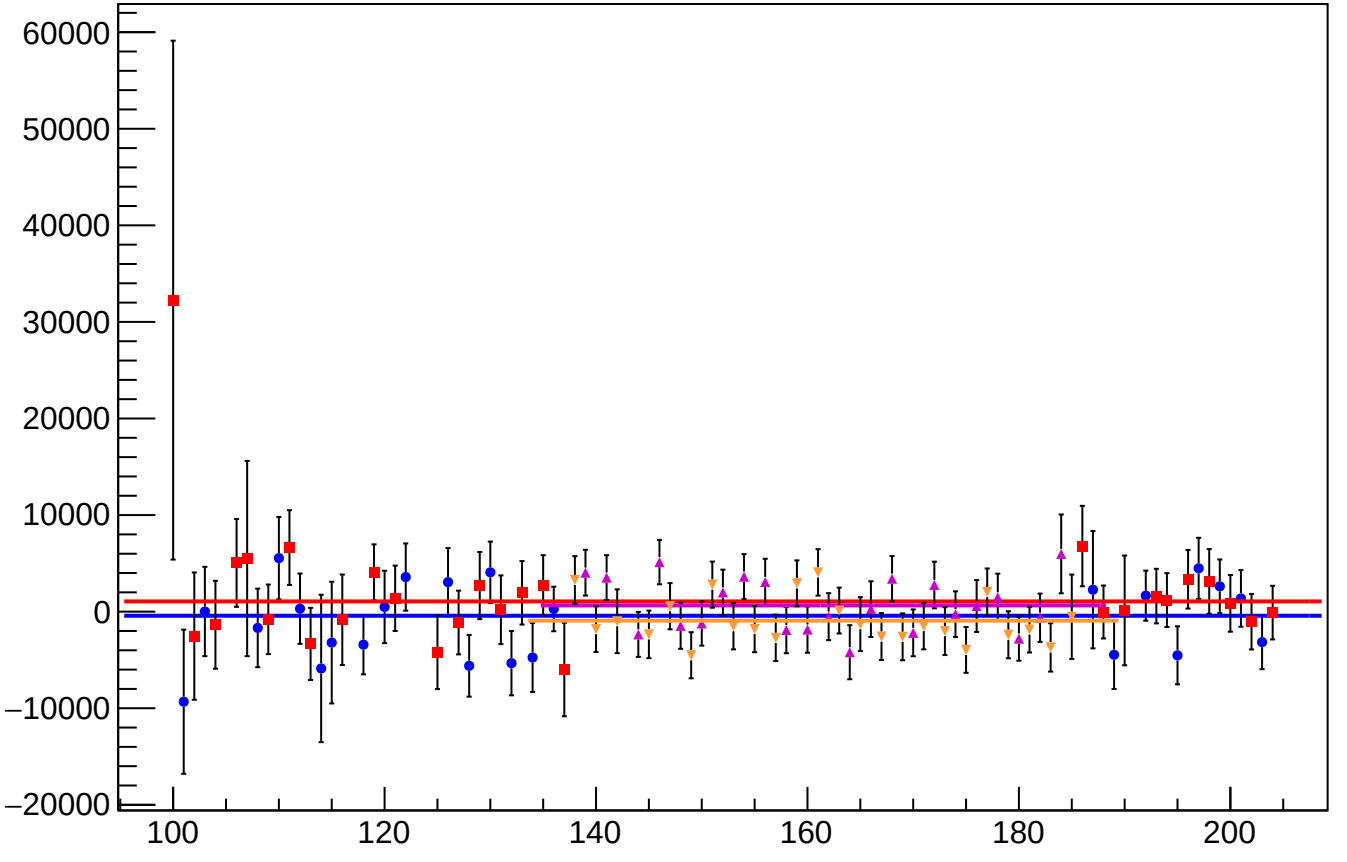
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

\+ sign 150.218+/-0.023 χ^2/NDF: 18578539.7/47

All: 148.875+/-0.016 χ^2/NDF: 40620849.1/98

\- sign 147.546+/-0.022 χ^2/NDF: 22035259.2/50

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -422.718+/-701.802 χ^2/NDF: 24.8/23

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 1059.198+/-674.275 χ^2/NDF: 16.8/27

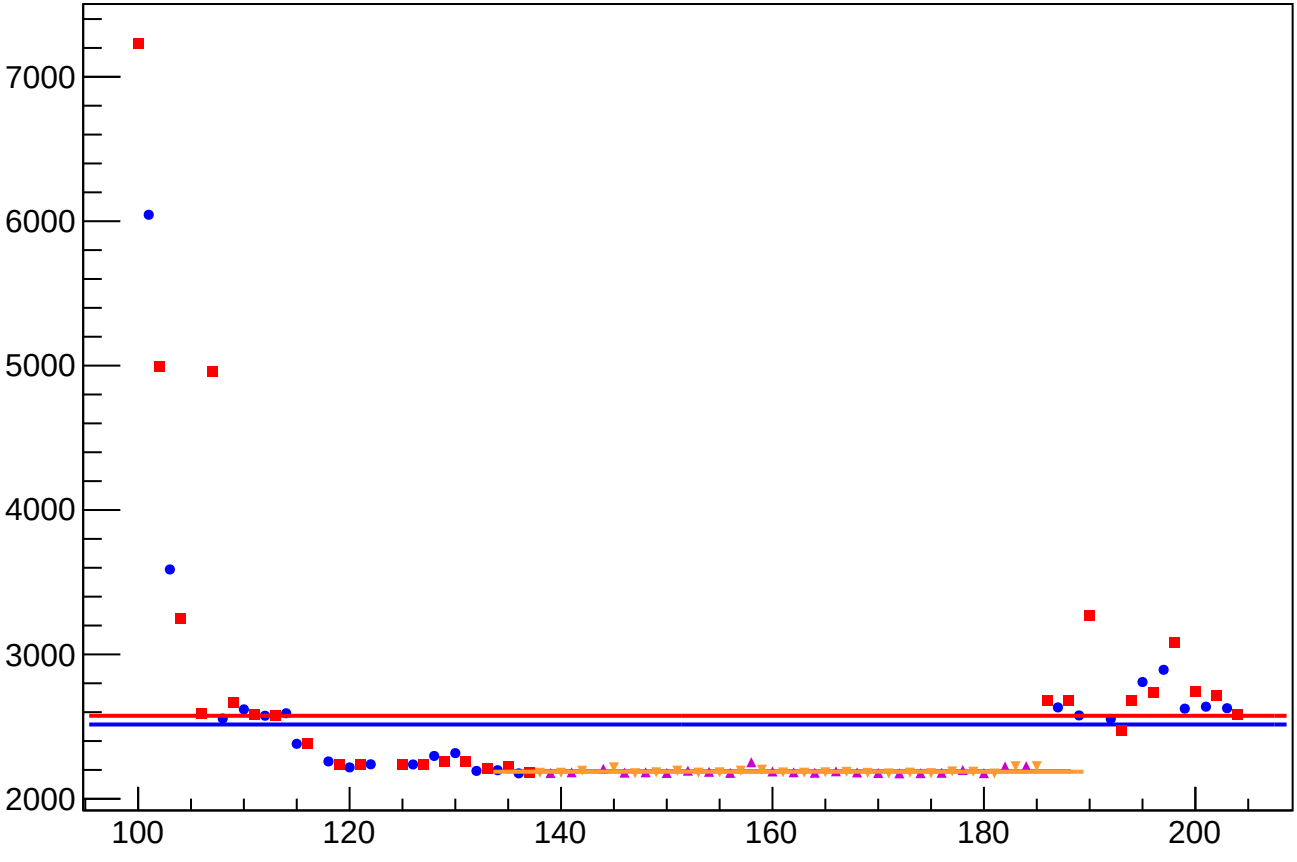
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -757.030+/-411.356 χ^2/NDF: 47.6/47

All: 26.306+/-289.481 χ^2/NDF: 98.8/98

- sign 794.831+/-407.448 χ^2/NDF: 44.0/50

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2514.661+/-0.496 χ^2/NDF: 763668.3/23

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

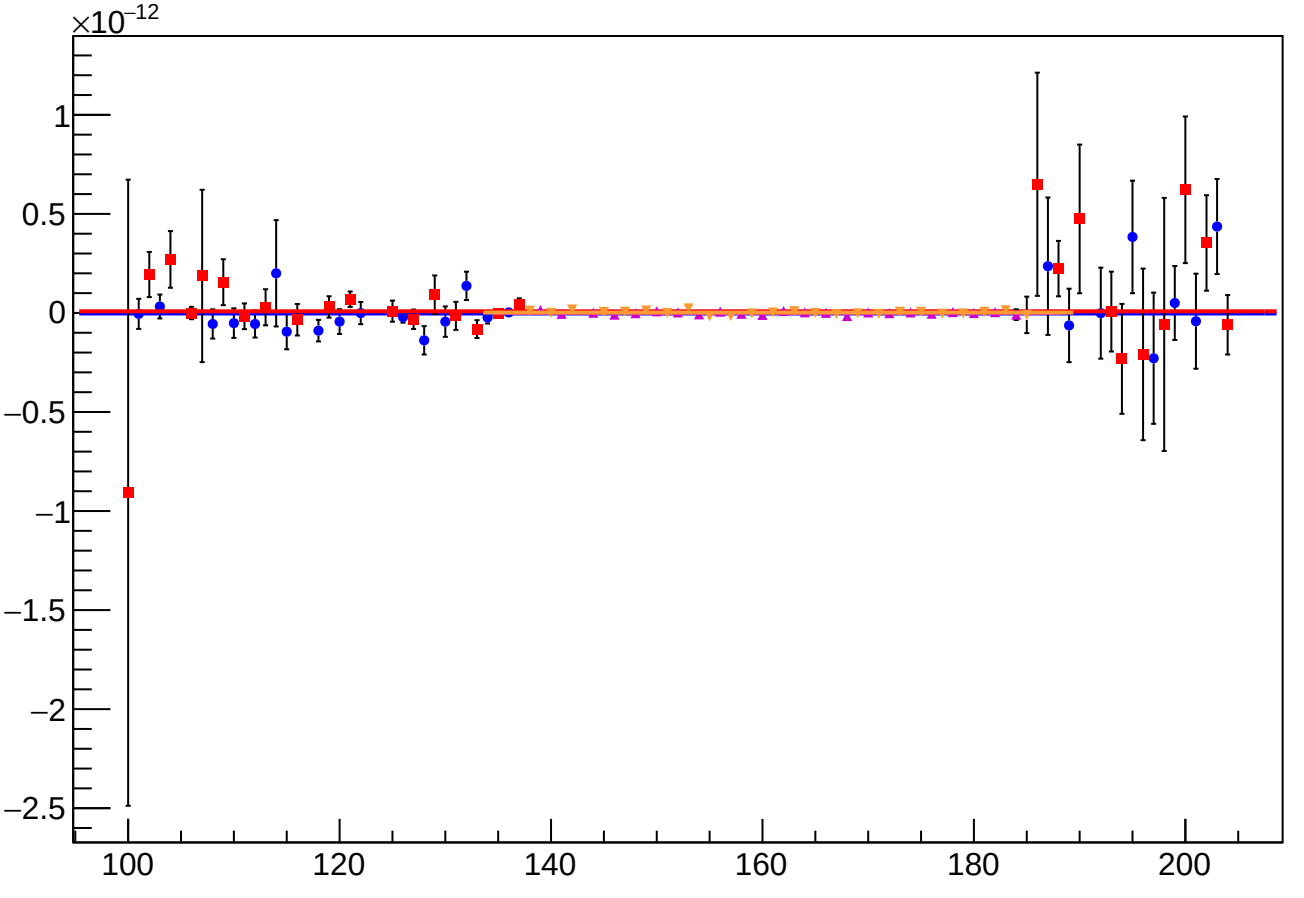
Right Out: 2574.972+/-0.477 χ^2/NDF: 771846.1/27

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2299.979+/-0.291 χ^2/NDF: 1050111.5/47

All: 2315.474+/-0.205 χ^2/NDF: 2243662.8/98

- sign 2330.676+/-0.288 χ^2/NDF: 1187929.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

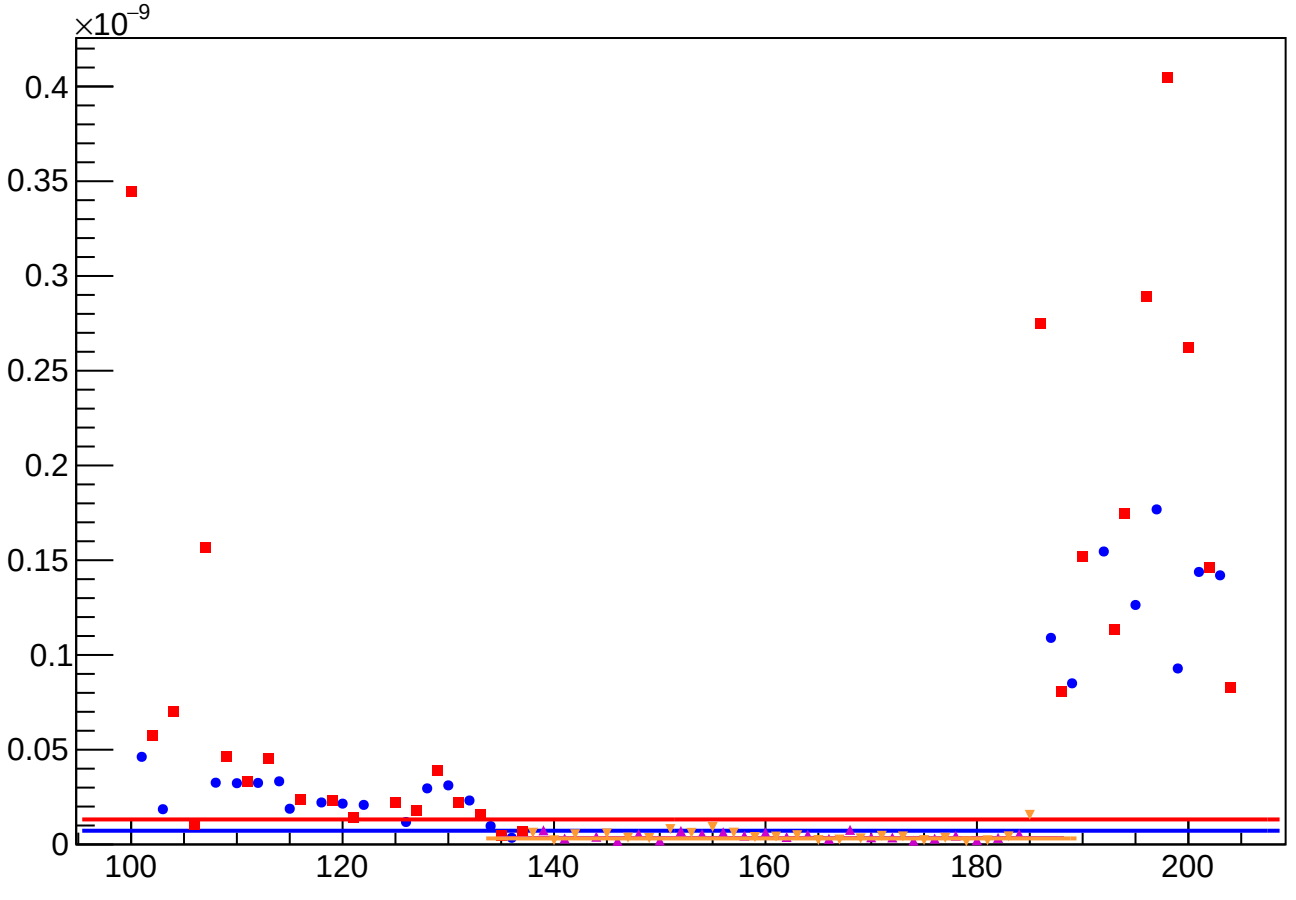
Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/27

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.9/47

All: 0.000+/-0.000 χ^2/NDF: 86.3/98

- sign 0.000+/-0.000 χ^2/NDF: 44.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 6801850.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

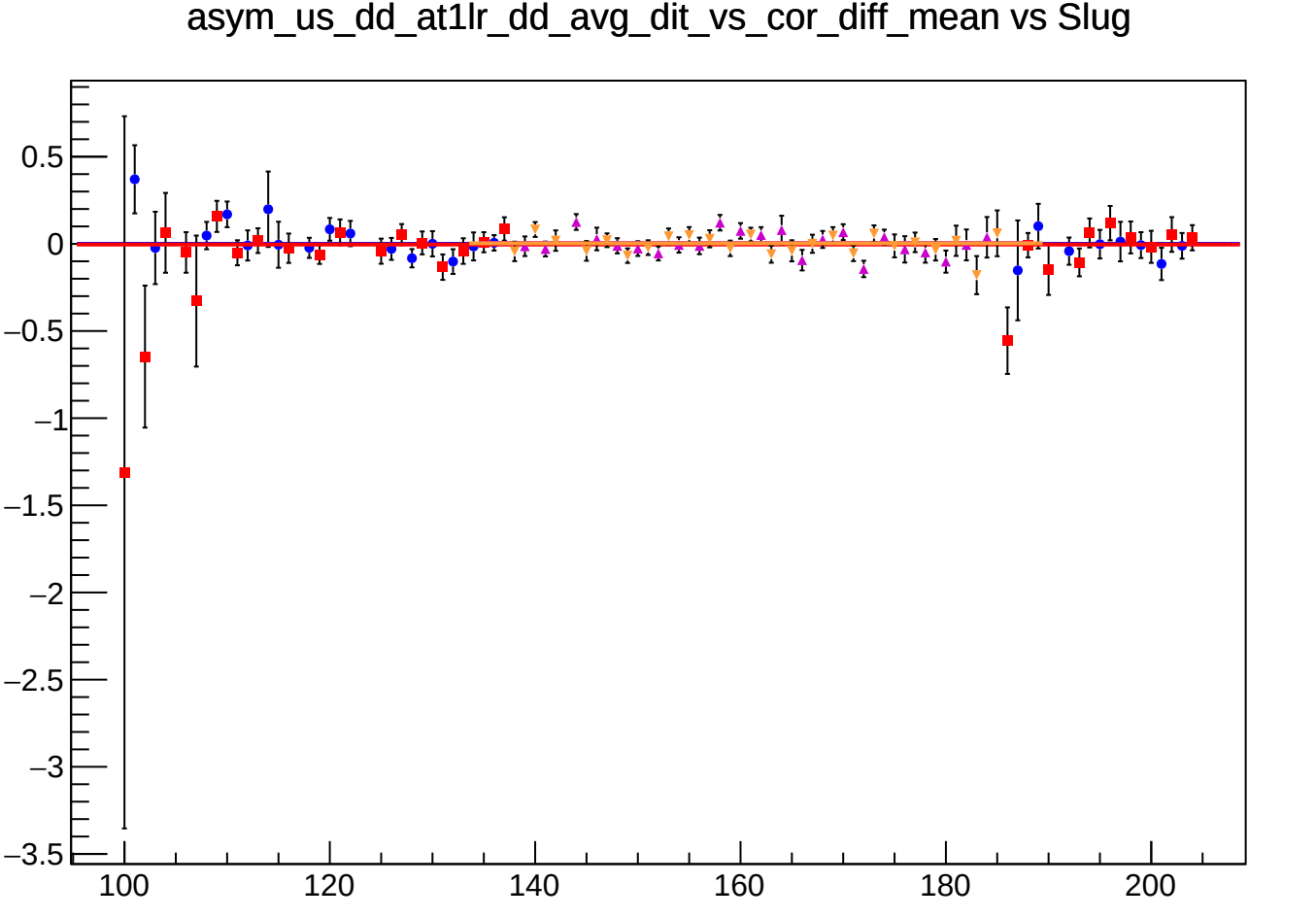
Right Out: 0.000+/-0.000 χ^2/NDF: 8620090.9/27

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9658379.0/47

All: 0.000+/-0.000 χ^2/NDF: 22008205.9/98

- sign 0.000+/-0.000 χ^2/NDF: 12319850.8/50



Right In: -0.000+/-0.016 χ^2/NDF: 20.1/23

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.004+/-0.016 χ^2/NDF: 30.3/27

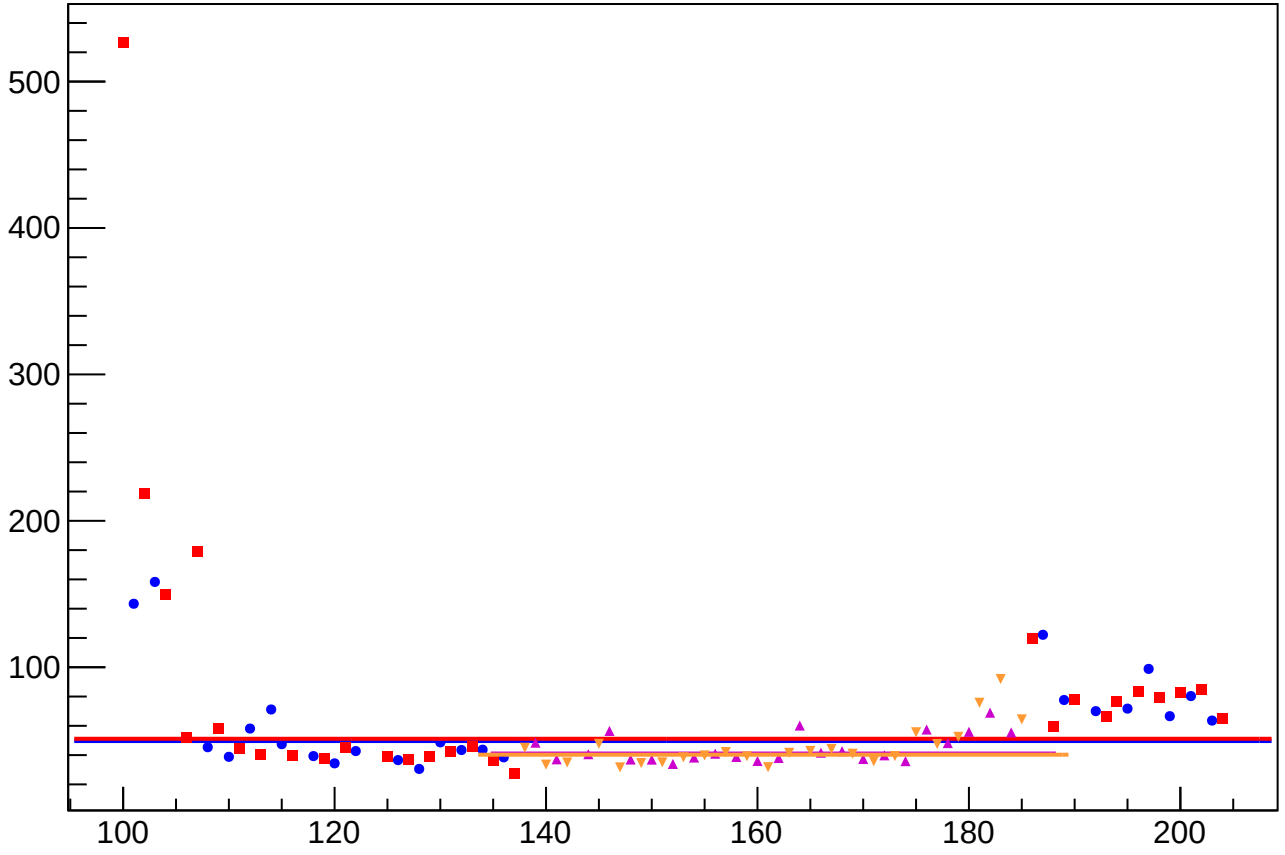
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.0/47

All: 0.002+/-0.006 χ^2/NDF: 113.9/98

- sign 0.002+/-0.009 χ^2/NDF: 71.9/50

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 49.602+/-0.011 χ^2/NDF: 3066807.6/23

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

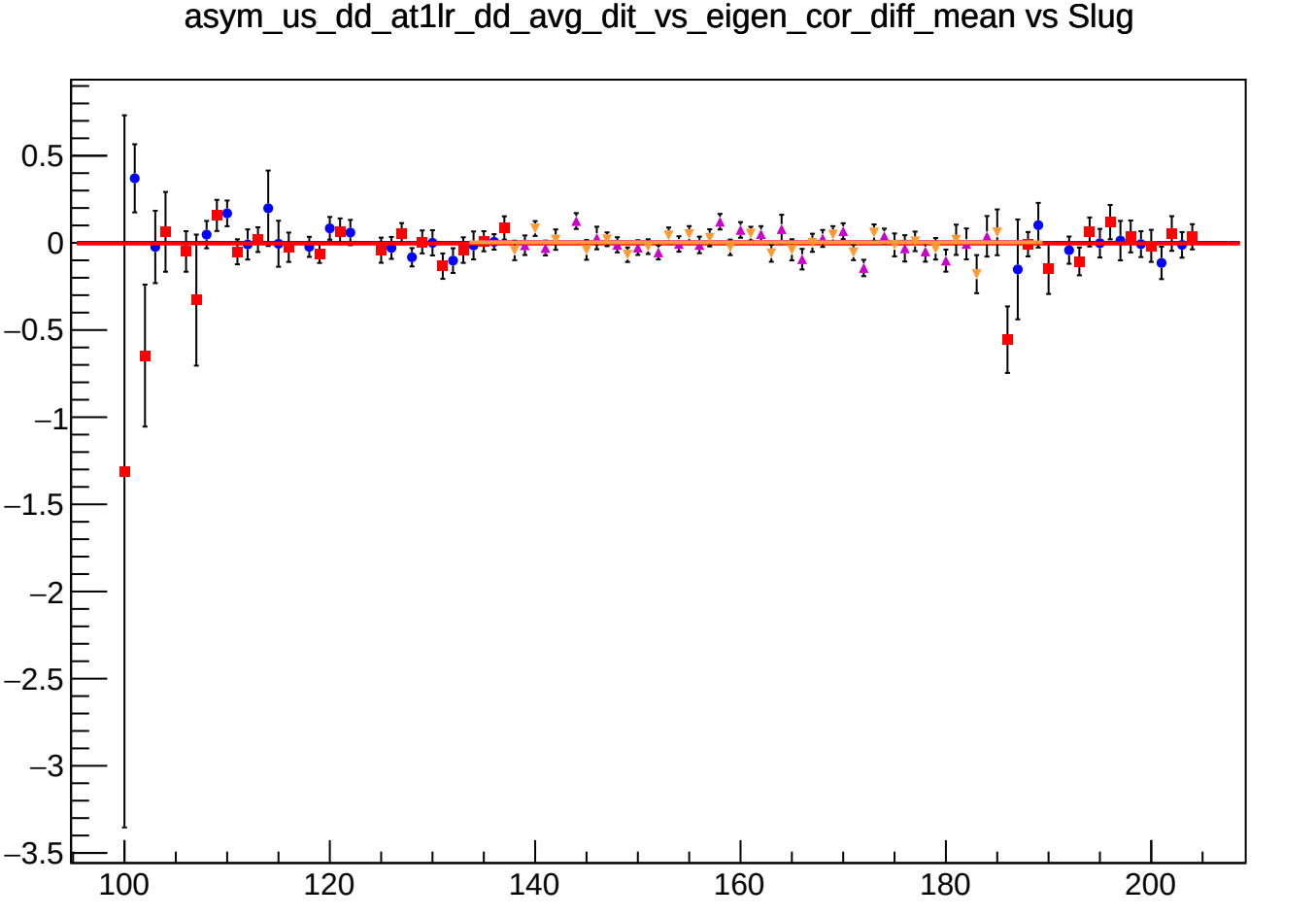
Right Out: 51.151+/-0.011 χ^2/NDF: 3519135.4/27

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 43.055+/-0.006 χ^2/NDF: 5037649.5/47

All: 43.647+/-0.004 χ^2/NDF: 10073490.1/98

- sign 44.246+/-0.006 χ^2/NDF: 5017153.4/50



Right In: -0.000+/-0.016 χ^2/NDF: 20.1/23

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

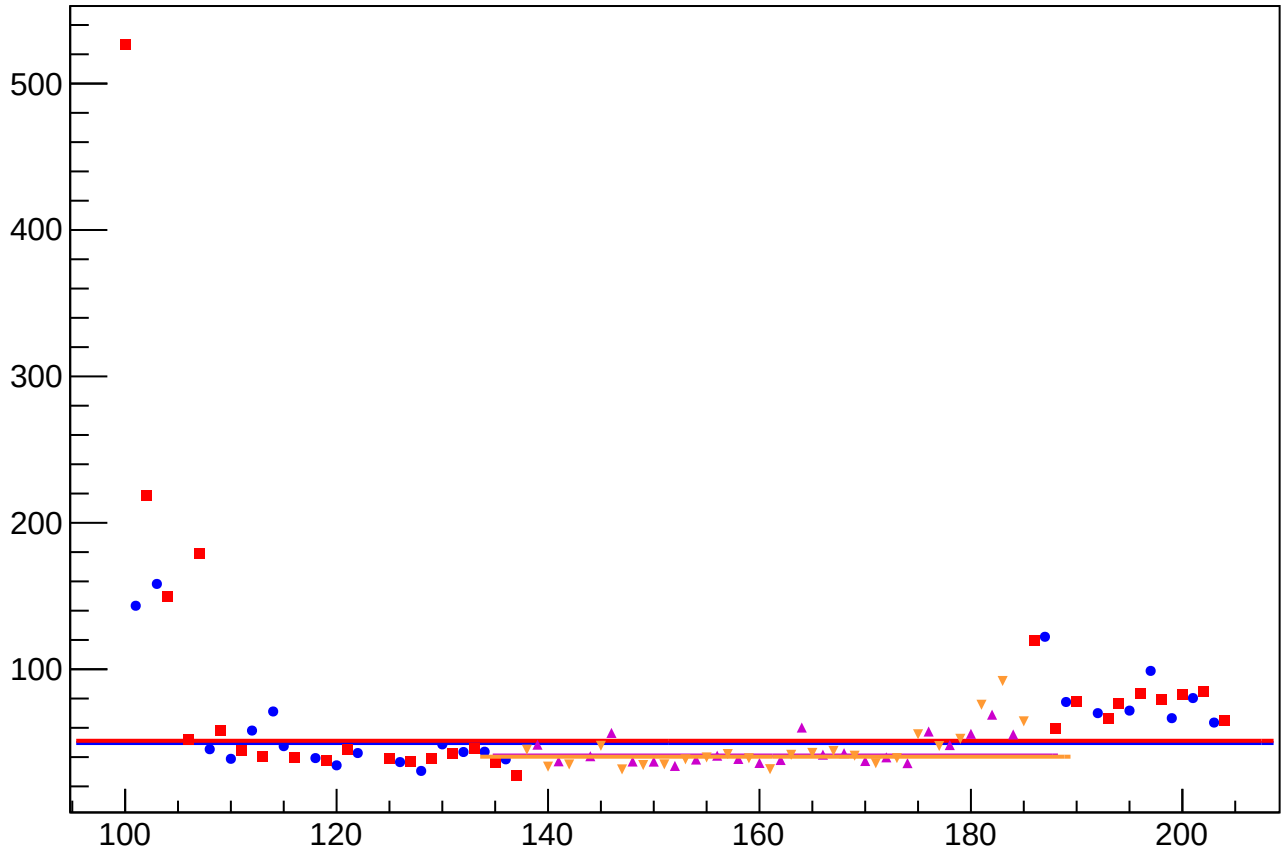
Right Out: -0.004+/-0.016 χ^2/NDF: 30.3/27

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.0/47

All: 0.002+/-0.006 χ^2/NDF: 113.9/98

- sign 0.002+/-0.009 χ^2/NDF: 71.9/50



Right In: 49.602+/-0.011 χ^2/NDF: 3066807.6/23

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

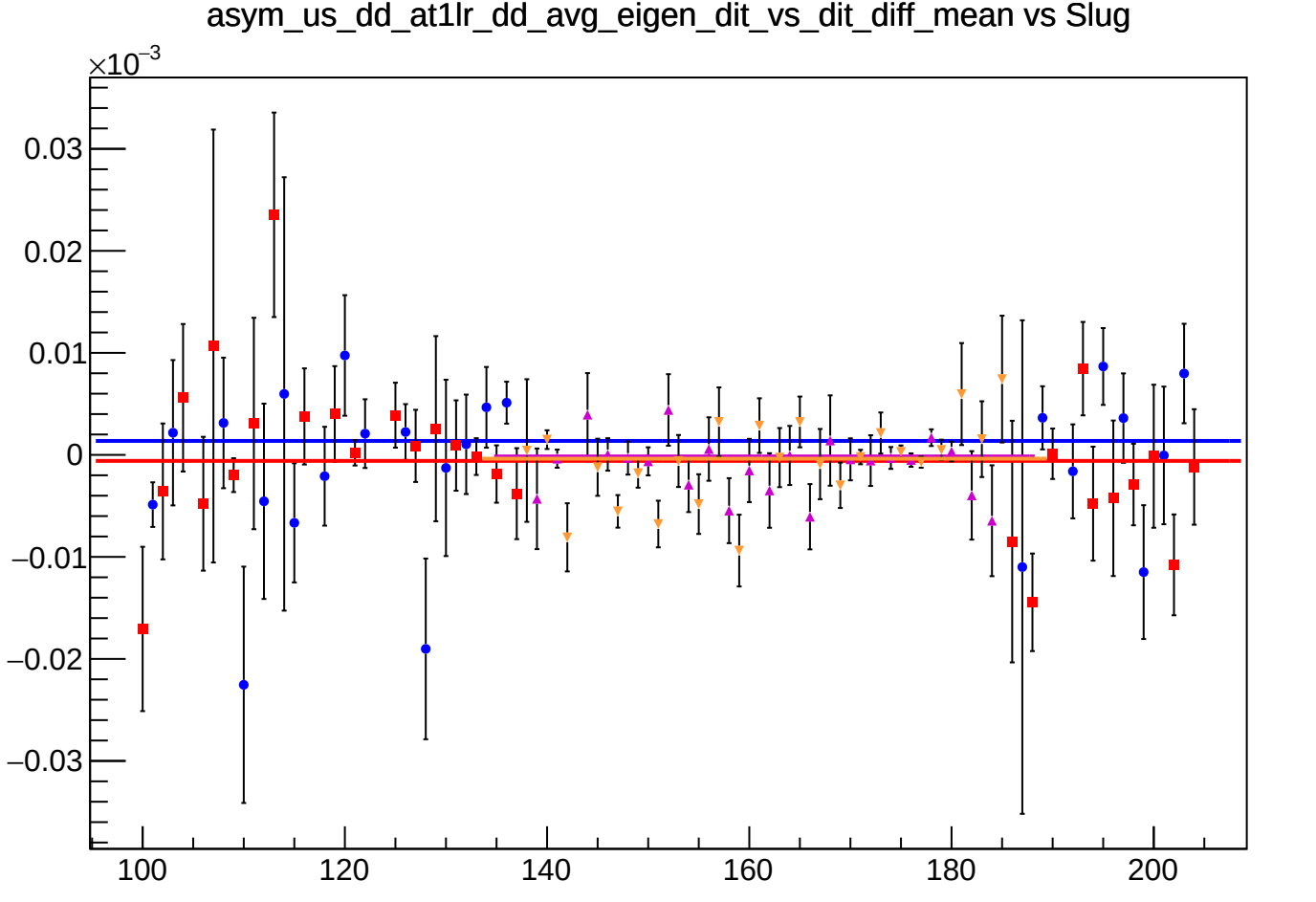
Right Out: 51.151+/-0.011 χ^2/NDF: 3519135.4/27

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 43.055+/-0.006 χ^2/NDF: 5037649.5/47

All: 43.647+/-0.004 χ^2/NDF: 10073490.1/98

- sign 44.246+/-0.006 χ^2/NDF: 5017153.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 37.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

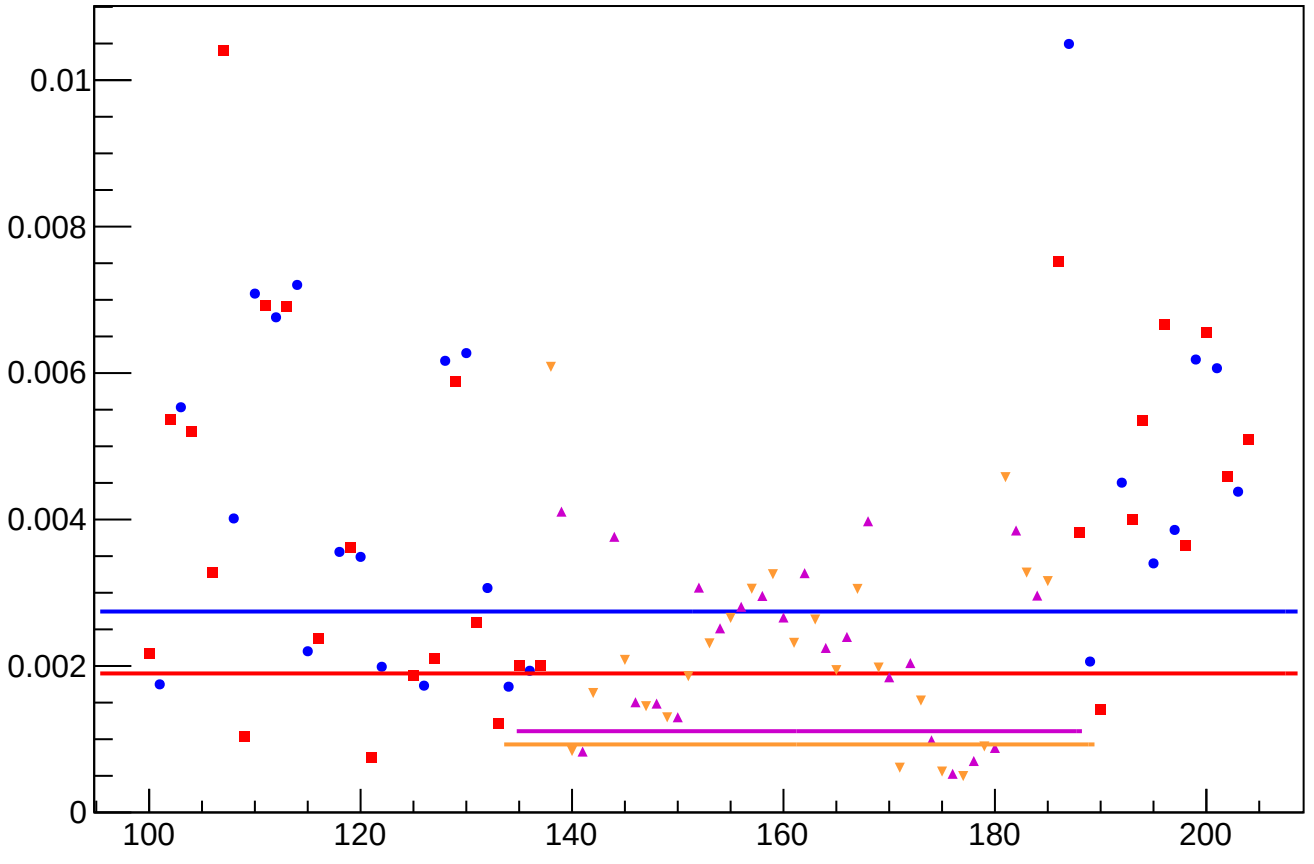
Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/27

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 92.7/47

All: -0.000+/-0.000 χ^2/NDF: 149.0/98

- sign -0.000+/-0.000 χ^2/NDF: 56.3/50



Right In: 0.003+/-0.000 χ^2/NDF: 5133258.2/23

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

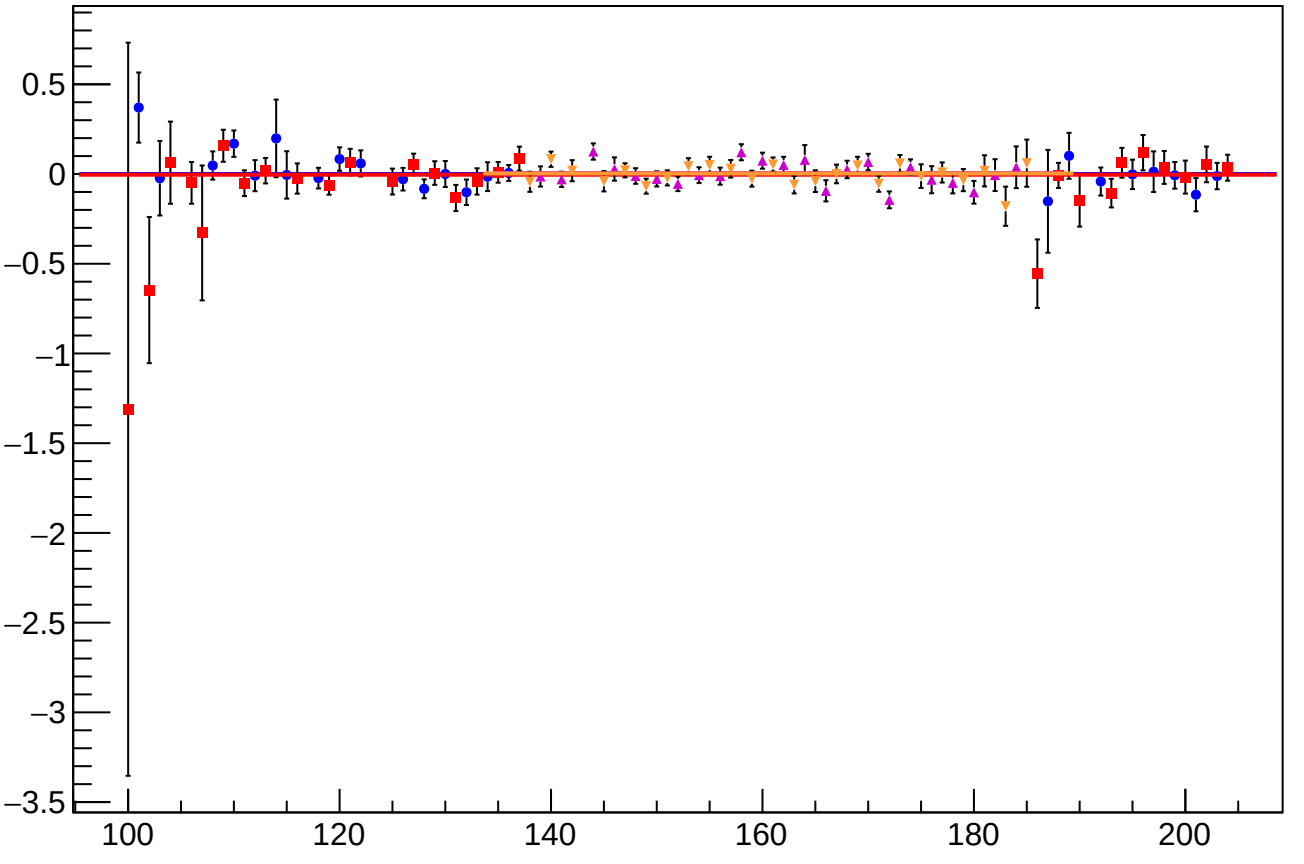
Right Out: 0.002+/-0.000 χ^2/NDF: 10900976.6/27

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 25639105.9/47

All: 0.001+/-0.000 χ^2/NDF: 50220419.8/98

- sign 0.001+/-0.000 χ^2/NDF: 24220349.1/50



Right In: -0.000+/-0.016 χ^2/NDF: 20.1/23

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

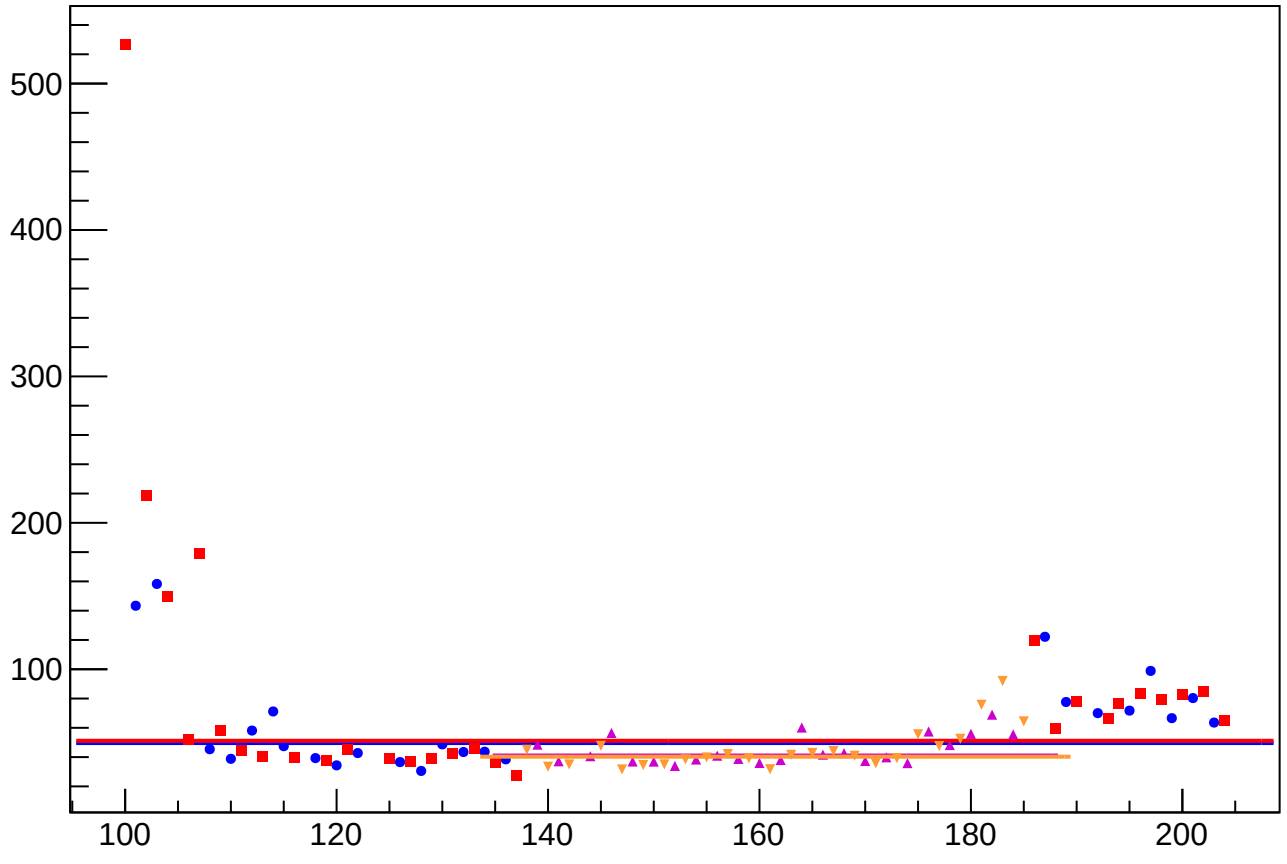
Right Out: -0.004+/-0.016 χ^2/NDF: 30.3/27

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.0/47

All: 0.002+/-0.006 χ^2/NDF: 113.9/98

- sign 0.002+/-0.009 χ^2/NDF: 71.9/50



Right In: 49.600+/-0.011 χ^2/NDF: 3067279.9/23

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

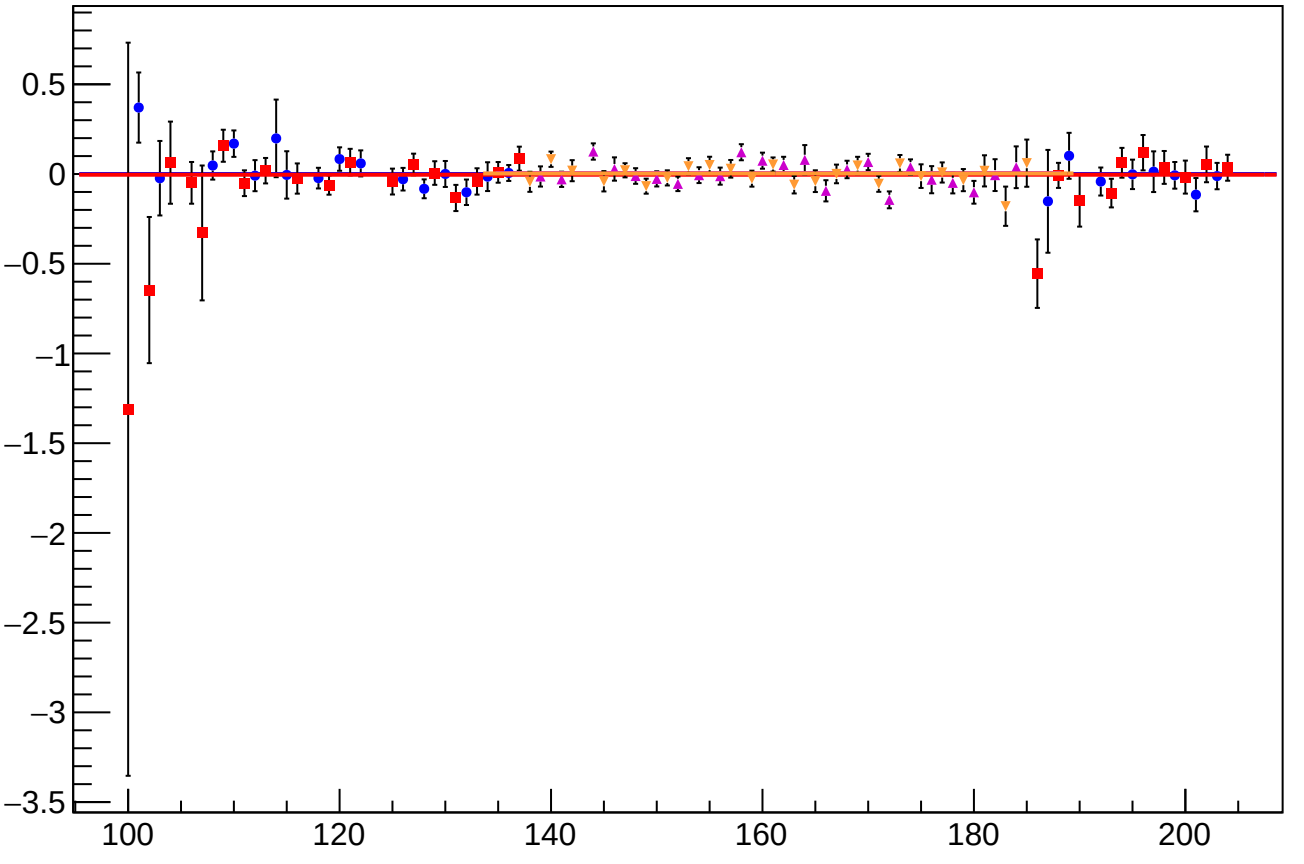
Right Out: 51.151+/-0.011 χ^2/NDF: 3519104.9/27

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

\+ sign 43.054+/-0.006 χ^2/NDF: 5037877.0/47

All: 43.647+/-0.004 χ^2/NDF: 10073806.2/98

\- sign 44.247+/-0.006 χ^2/NDF: 5017221.3/50



Right In: -0.000+/-0.016 χ^2/NDF: 20.1/23

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

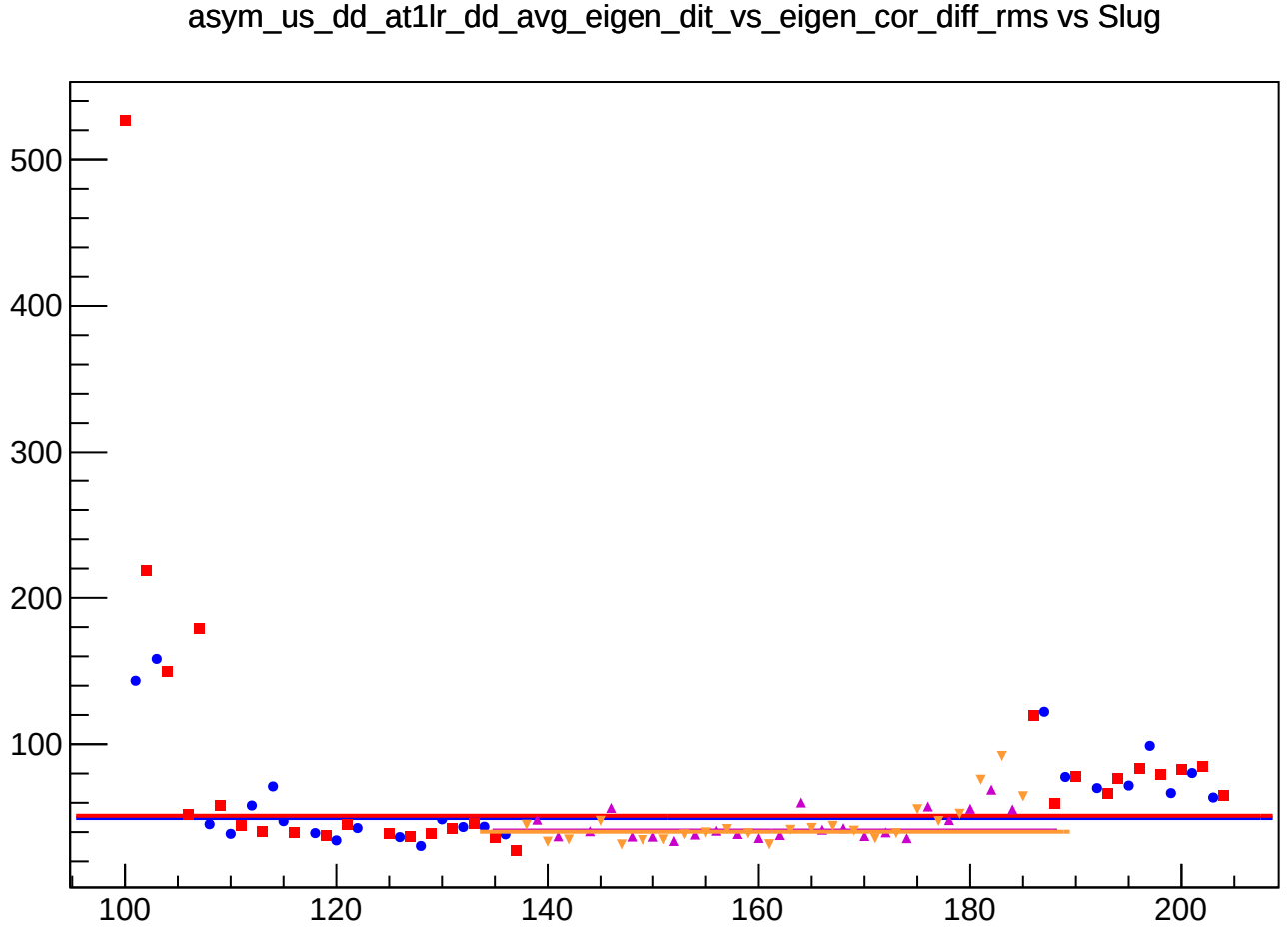
Right Out: -0.004+/-0.016 χ^2/NDF: 30.3/27

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.0/47

All: 0.002+/-0.006 χ^2/NDF: 113.9/98

- sign 0.002+/-0.009 χ^2/NDF: 71.9/50



Right In: 49.600+/-0.011 χ^2/NDF: 3067279.9/23

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

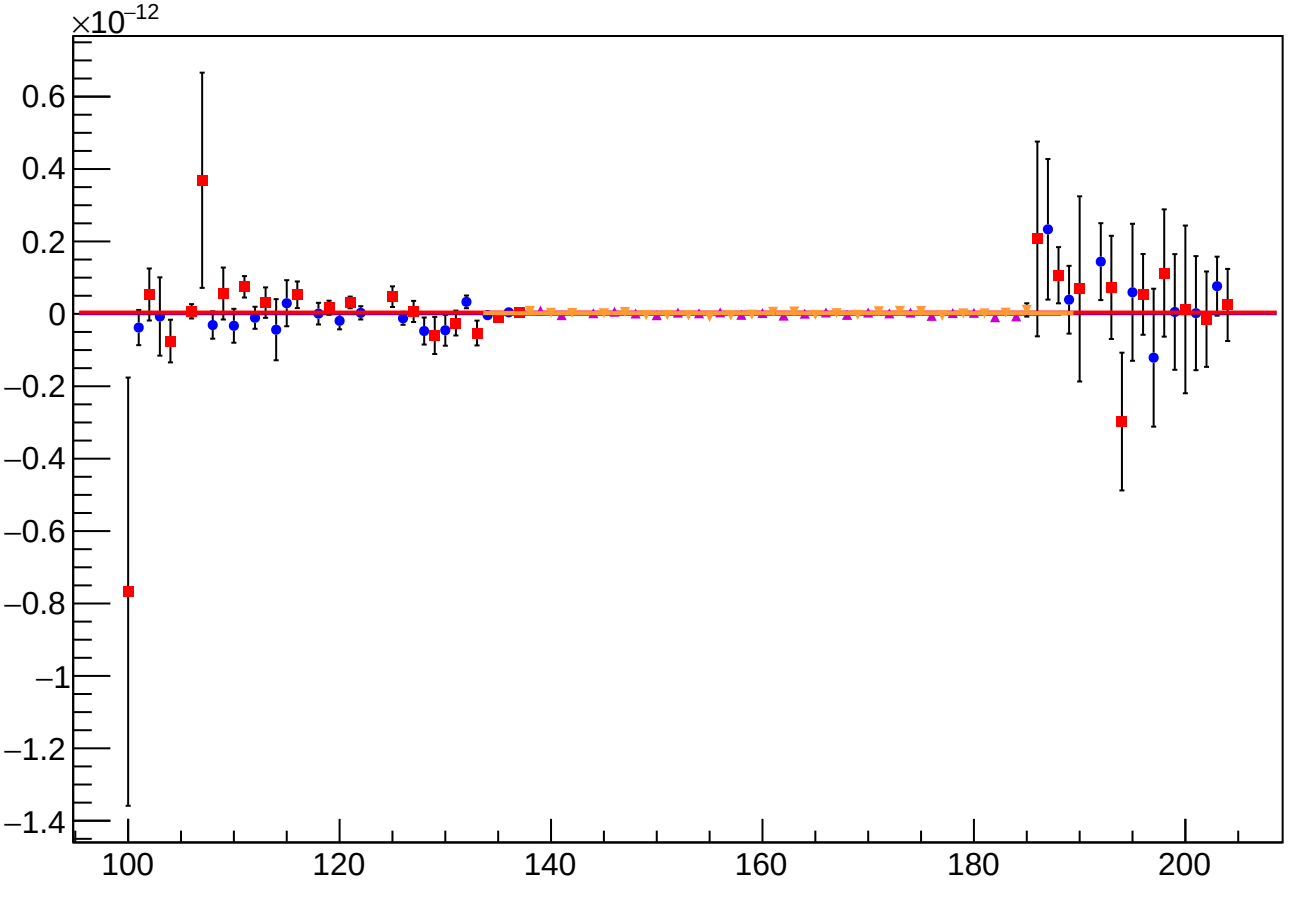
Right Out: 51.151+/-0.011 χ^2/NDF: 3519104.9/27

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 43.054+/-0.006 χ^2/NDF: 5037877.0/47

All: 43.647+/-0.004 χ^2/NDF: 10073806.2/98

- sign 44.247+/-0.006 χ^2/NDF: 5017221.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

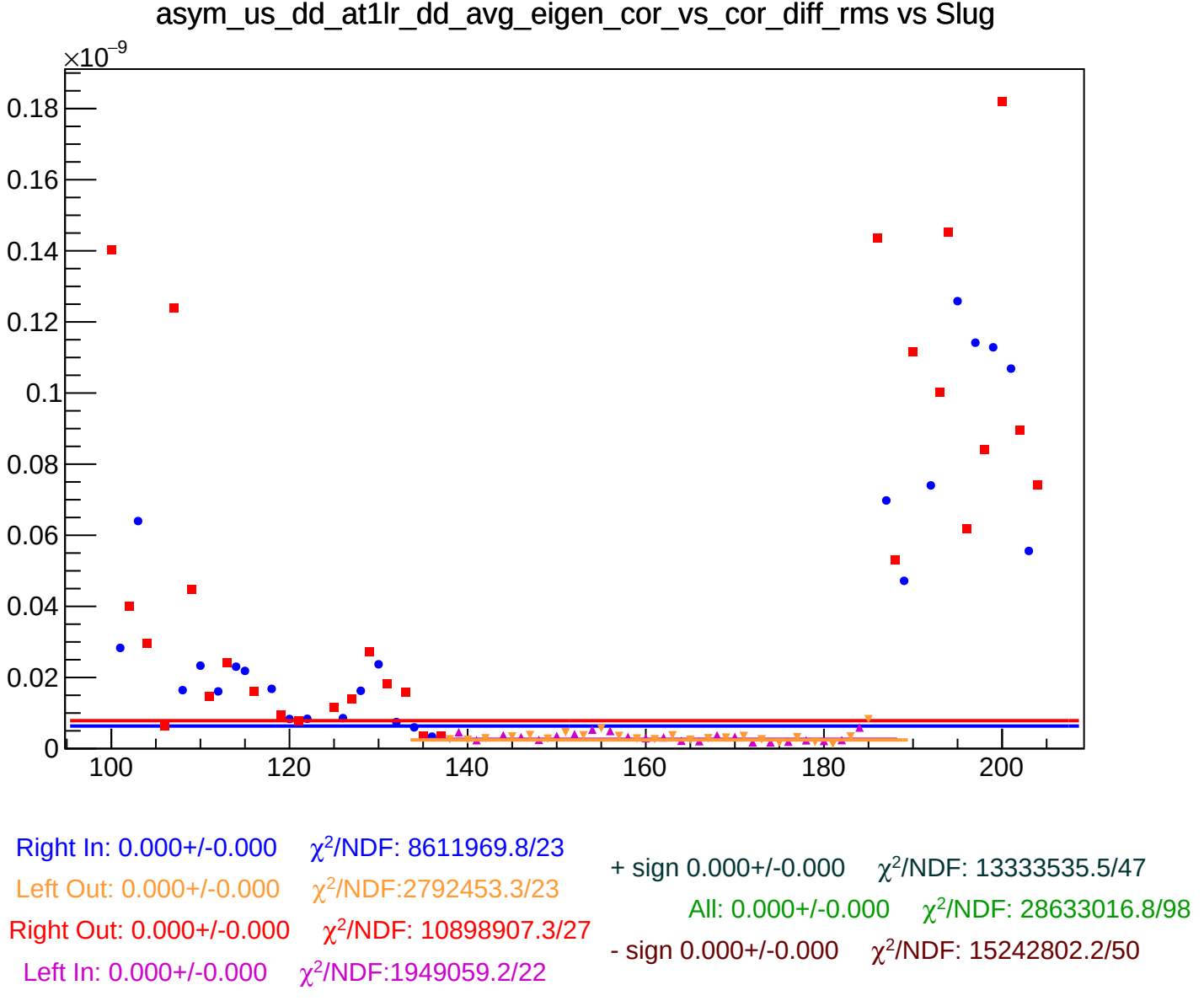
Right Out: 0.000+/-0.000 χ^2/NDF: 34.6/27

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

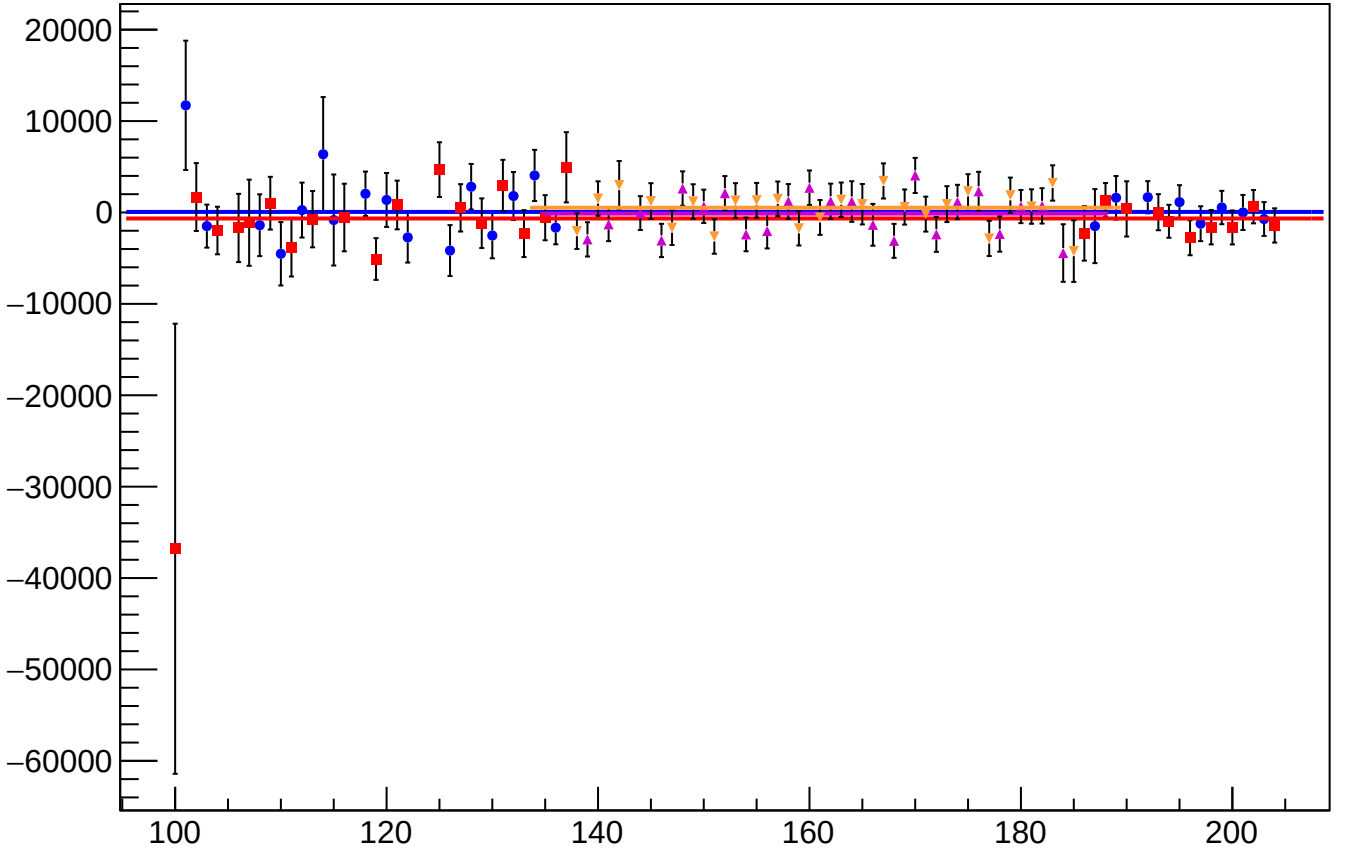
+ sign 0.000+/-0.000 χ^2/NDF: 40.5/47

All: 0.000+/-0.000 χ^2/NDF: 100.6/98

- sign 0.000+/-0.000 χ^2/NDF: 58.2/50


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 8611969.8/23
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 10898907.3/27
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
+ sign 0.000+/-0.000 χ²/NDF: 13333535.5/47
All: 0.000+/-0.000 χ²/NDF: 28633016.8/98
- sign 0.000+/-0.000 χ²/NDF: 15242802.2/50

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 58.691+/-501.326 χ^2/NDF: 18.4/23

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -659.381+/-472.417 χ^2/NDF: 20.1/27

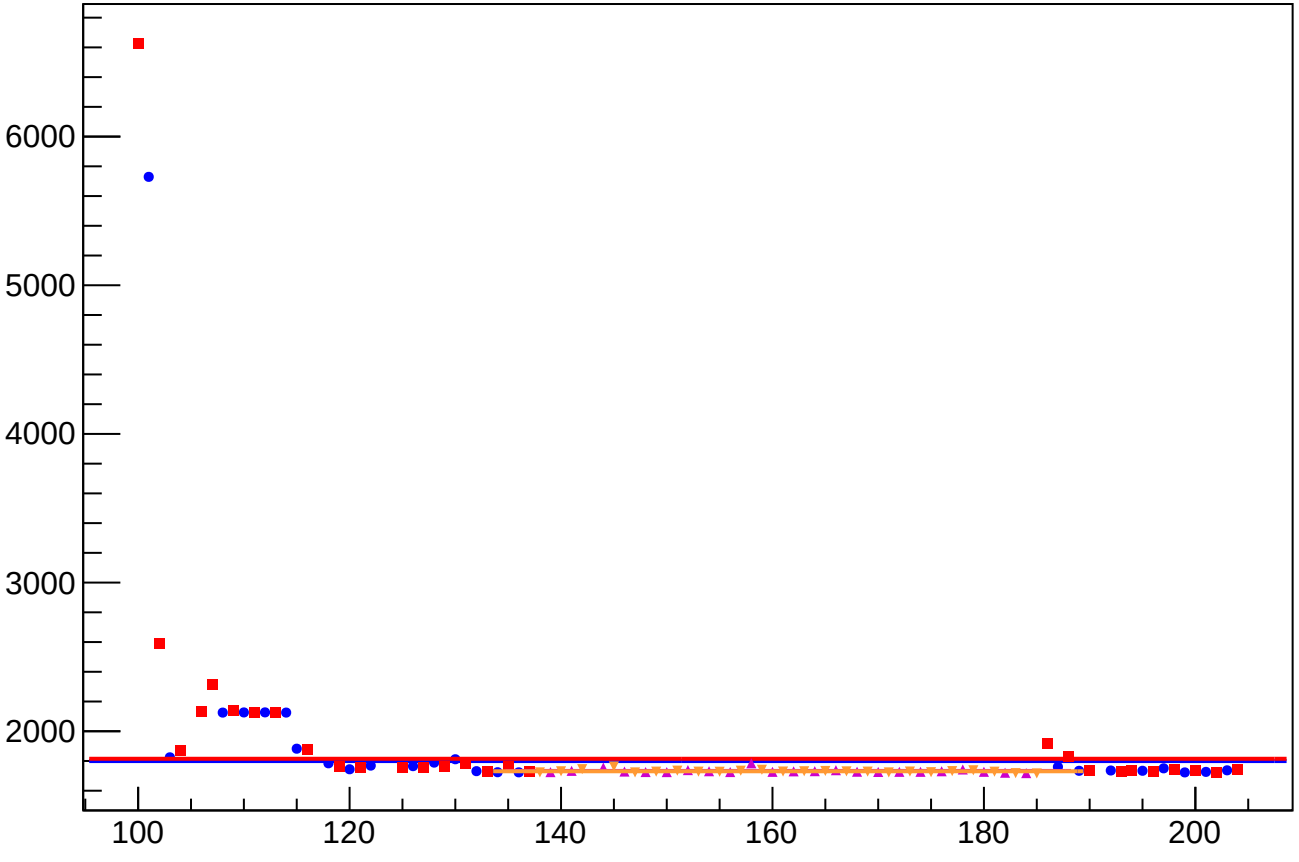
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 339.581+/-313.482 χ^2/NDF: 39.7/47

All: -12.942+/-219.452 χ^2/NDF: 92.5/98

- sign -351.728+/-307.314 χ^2/NDF: 50.3/50

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1799.392+/-0.354 χ^2/NDF: 707759.0/23

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

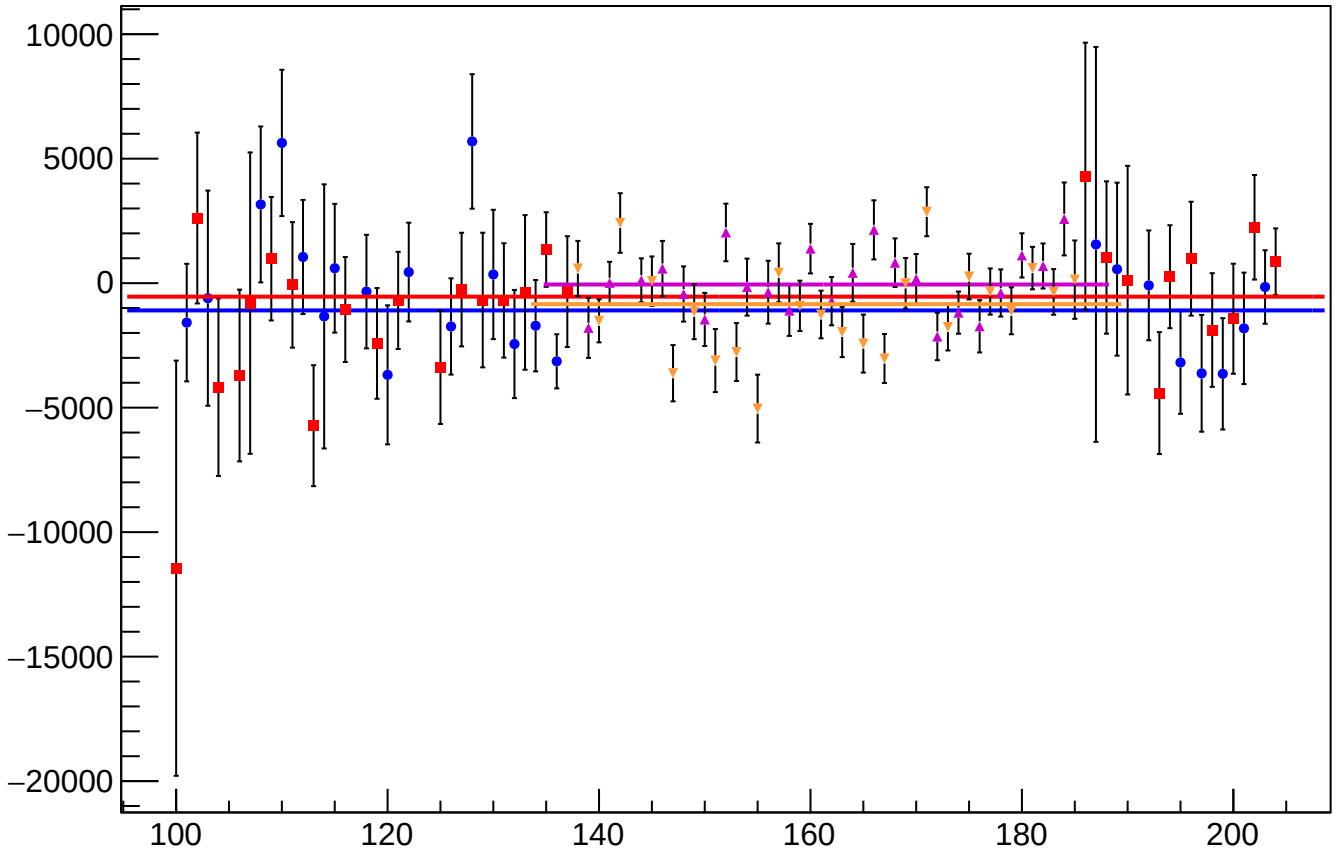
Right Out: 1814.894+/-0.334 χ^2/NDF: 305869.9/27

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1757.649+/-0.222 χ^2/NDF: 731498.3/47

All: 1762.753+/-0.155 χ^2/NDF: 1075307.6/98

- sign 1767.659+/-0.217 χ^2/NDF: 342769.4/50



Right In: -1094.985+/-452.275 χ^2/NDF: 25.3/23

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

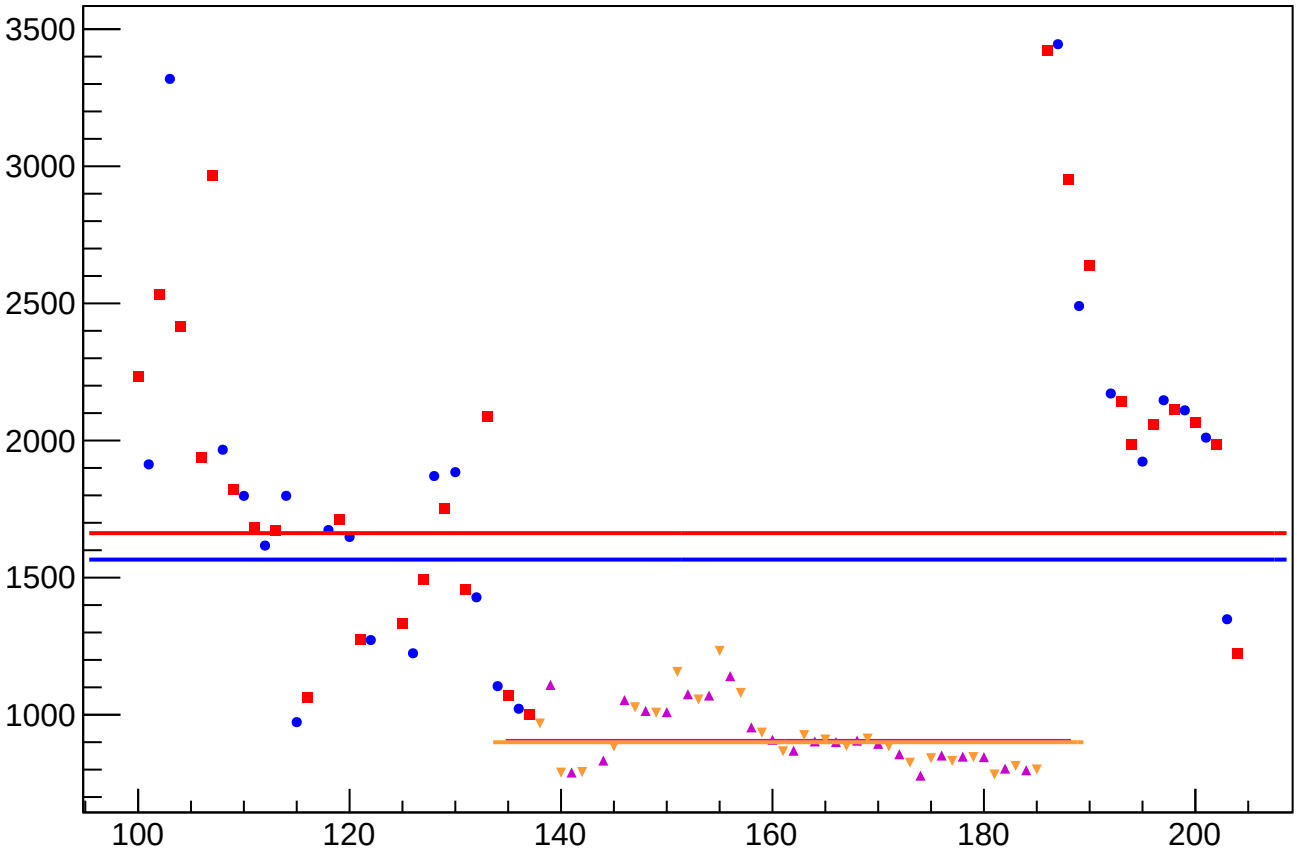
Right Out: -542.344+/-451.939 χ^2/NDF: 21.0/27

Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -887.527+/-191.105 χ^2/NDF: 88.3/47

All: -518.088+/-135.674 χ^2/NDF: 148.4/98

- sign -142.657+/-192.648 χ^2/NDF: 52.5/50



Right In: 1565.794+/-0.320 χ^2/NDF: 2158660.5/23

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1662.253+/-0.320 χ^2/NDF: 2435227.0/27

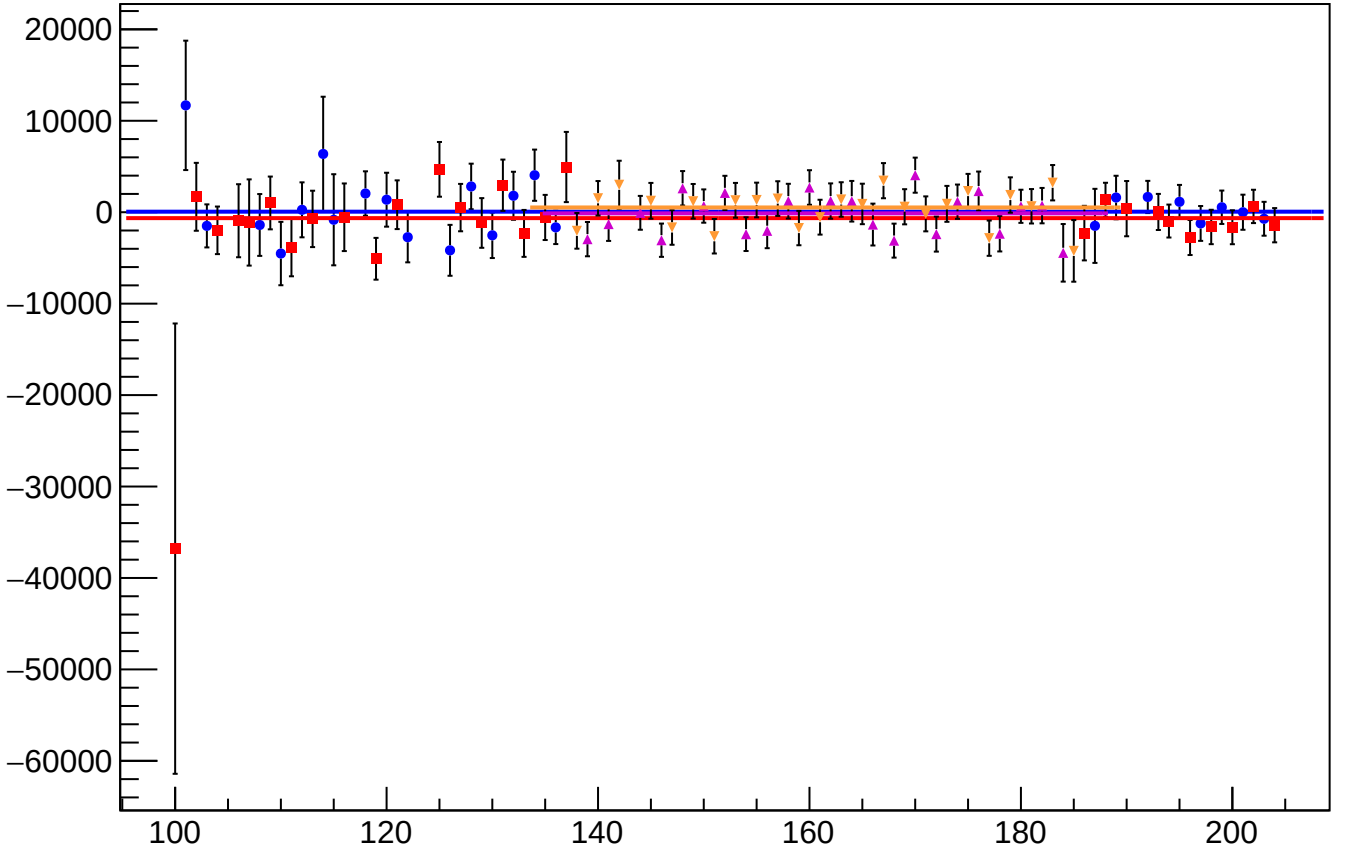
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 1018.716+/-0.135 χ^2/NDF: 6216334.3/47

All: 1030.421+/-0.096 χ^2/NDF: 13717873.0/9

- sign 1042.316+/-0.136 χ^2/NDF: 7486410.8/50

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 58.316+/-501.326 χ^2/NDF: 18.4/23

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -646.759+/-472.891 χ^2/NDF: 20.0/27

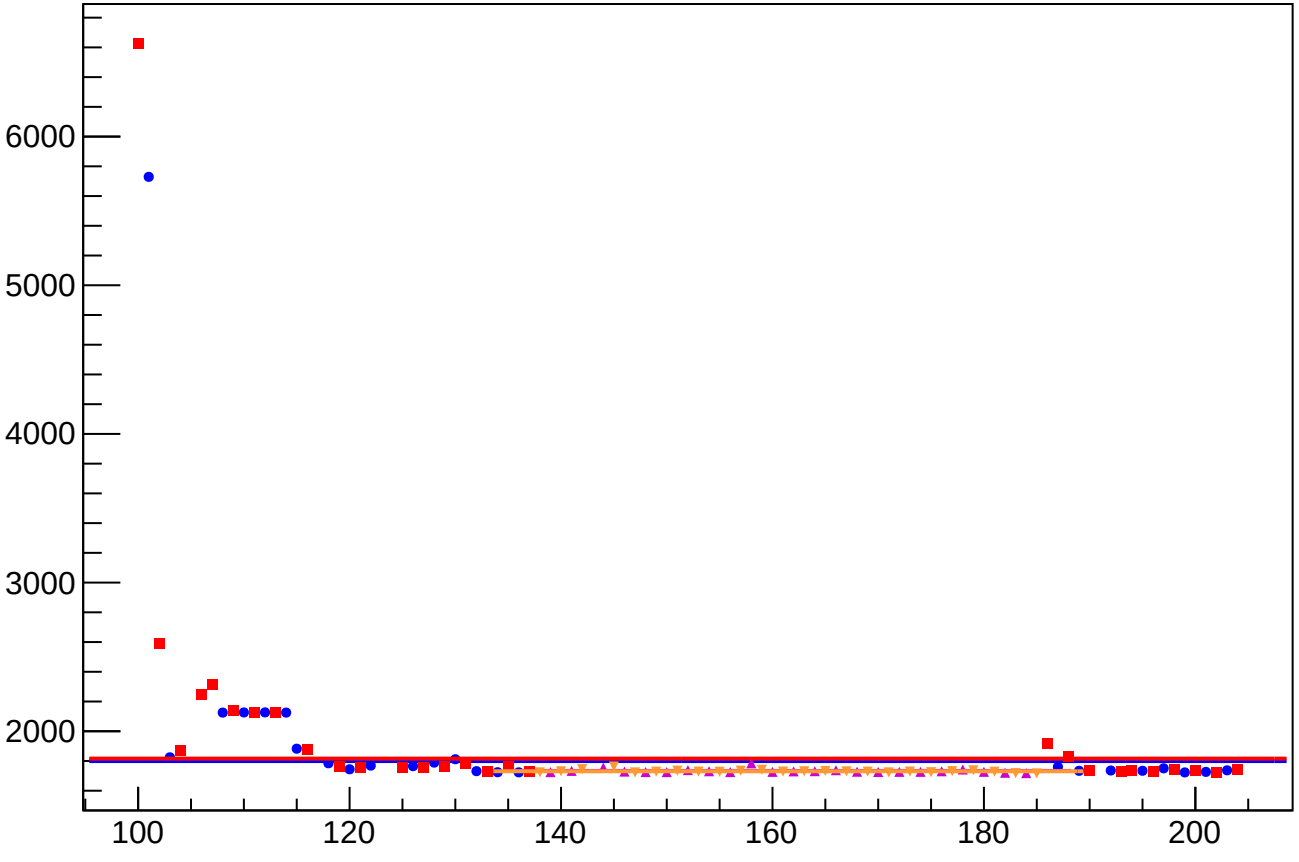
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 339.451+/-313.482 χ^2/NDF: 39.7/47

All: -10.024+/-219.500 χ^2/NDF: 92.3/98

- sign -346.167+/-307.444 χ^2/NDF: 50.2/50

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1799.392+/-0.354 χ^2/NDF: 707758.9/23

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

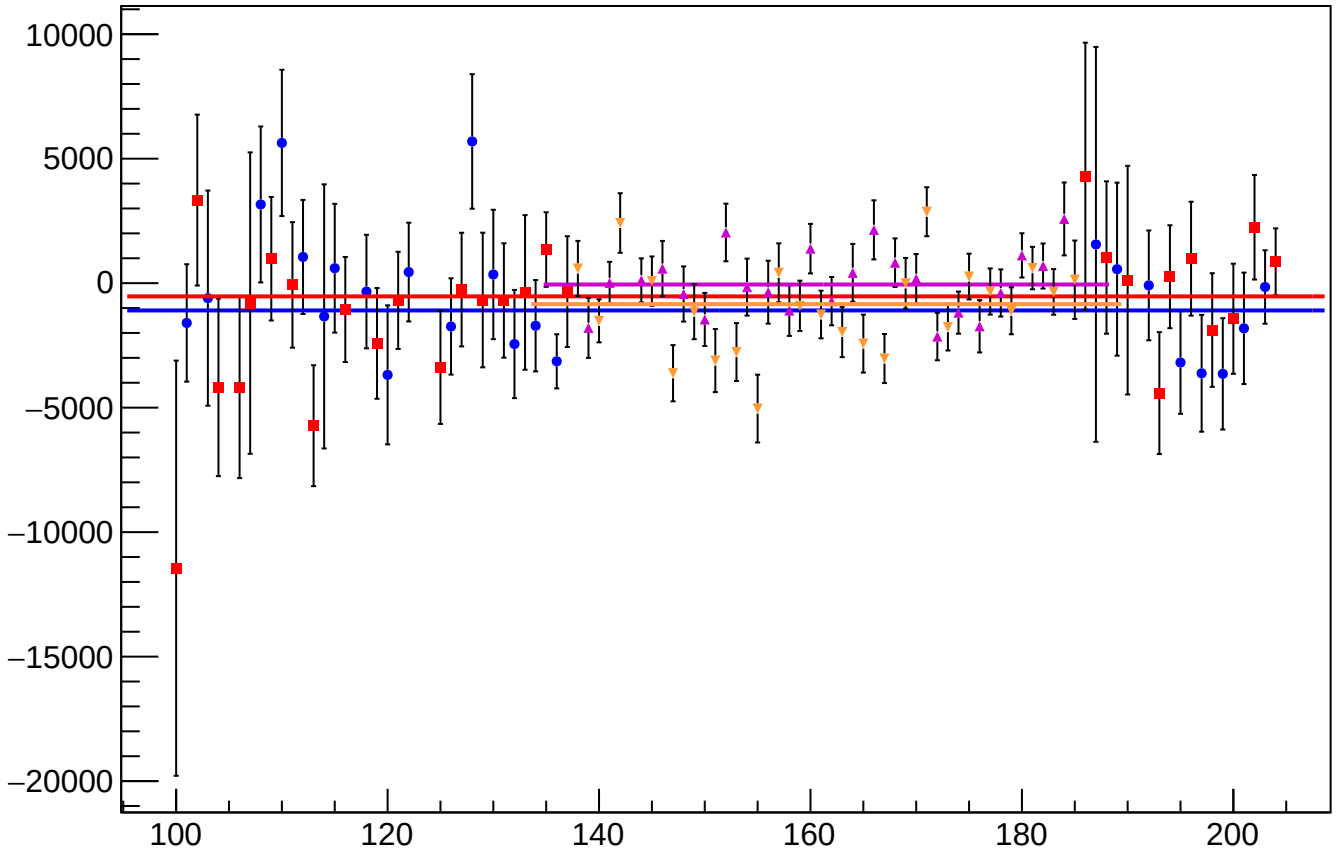
Right Out: 1815.892+/-0.334 χ^2/NDF: 315048.1/27

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1757.649+/-0.222 χ^2/NDF: 731498.2/47

All: 1762.946+/-0.155 χ^2/NDF: 1085375.0/98

- sign 1768.041+/-0.217 χ^2/NDF: 352756.5/50



Right In: -1095.507+/-452.252 χ^2/NDF: 25.3/23

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

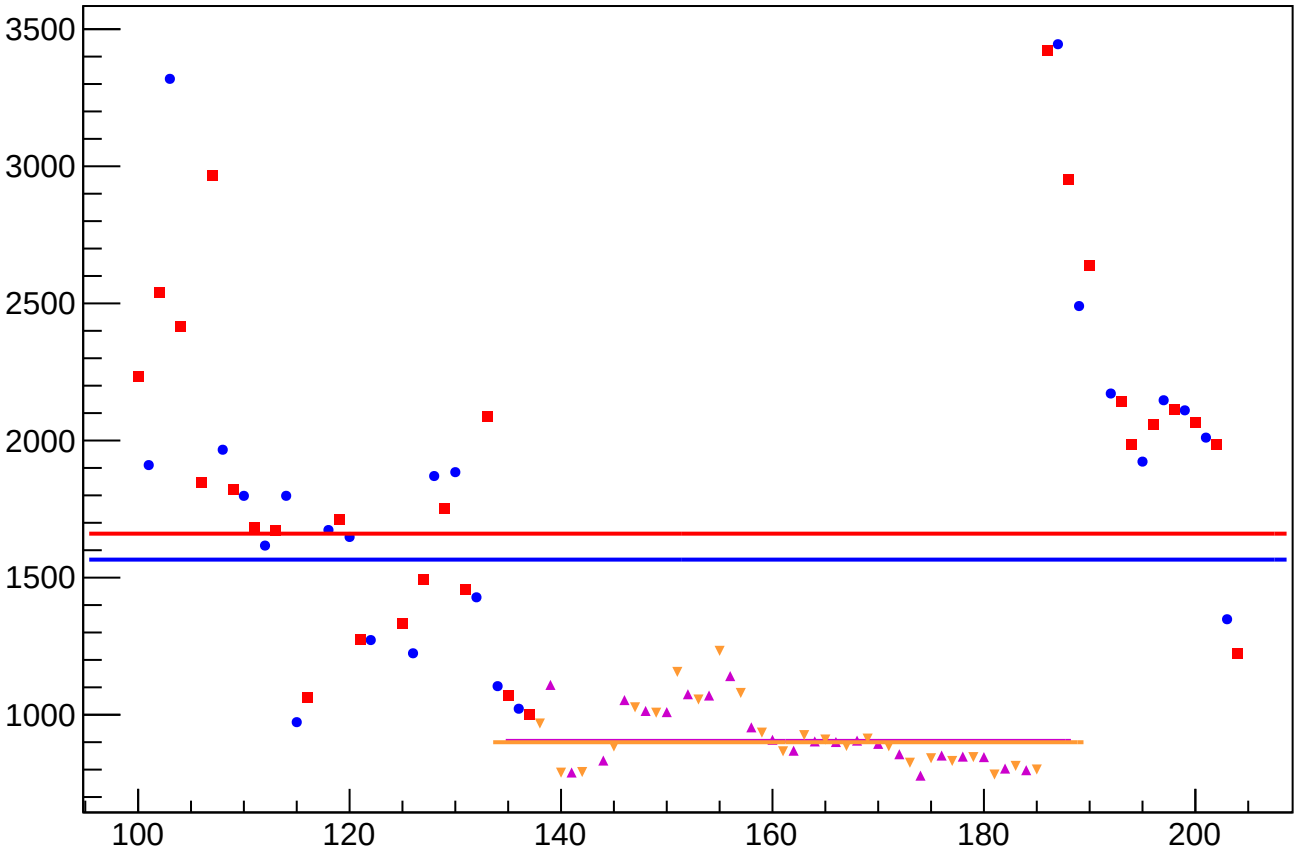
Right Out: -531.037+/-452.363 χ^2/NDF: 21.5/27

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -887.654+/-191.103 χ^2/NDF: 88.3/47

All: -517.141+/-135.685 χ^2/NDF: 148.9/98

- sign -140.488+/-192.681 χ^2/NDF: 53.1/50



Right In: 1565.728+/-0.320 χ^2/NDF: 2158192.3/23

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1660.368+/-0.320 χ^2/NDF: 2429084.8/27

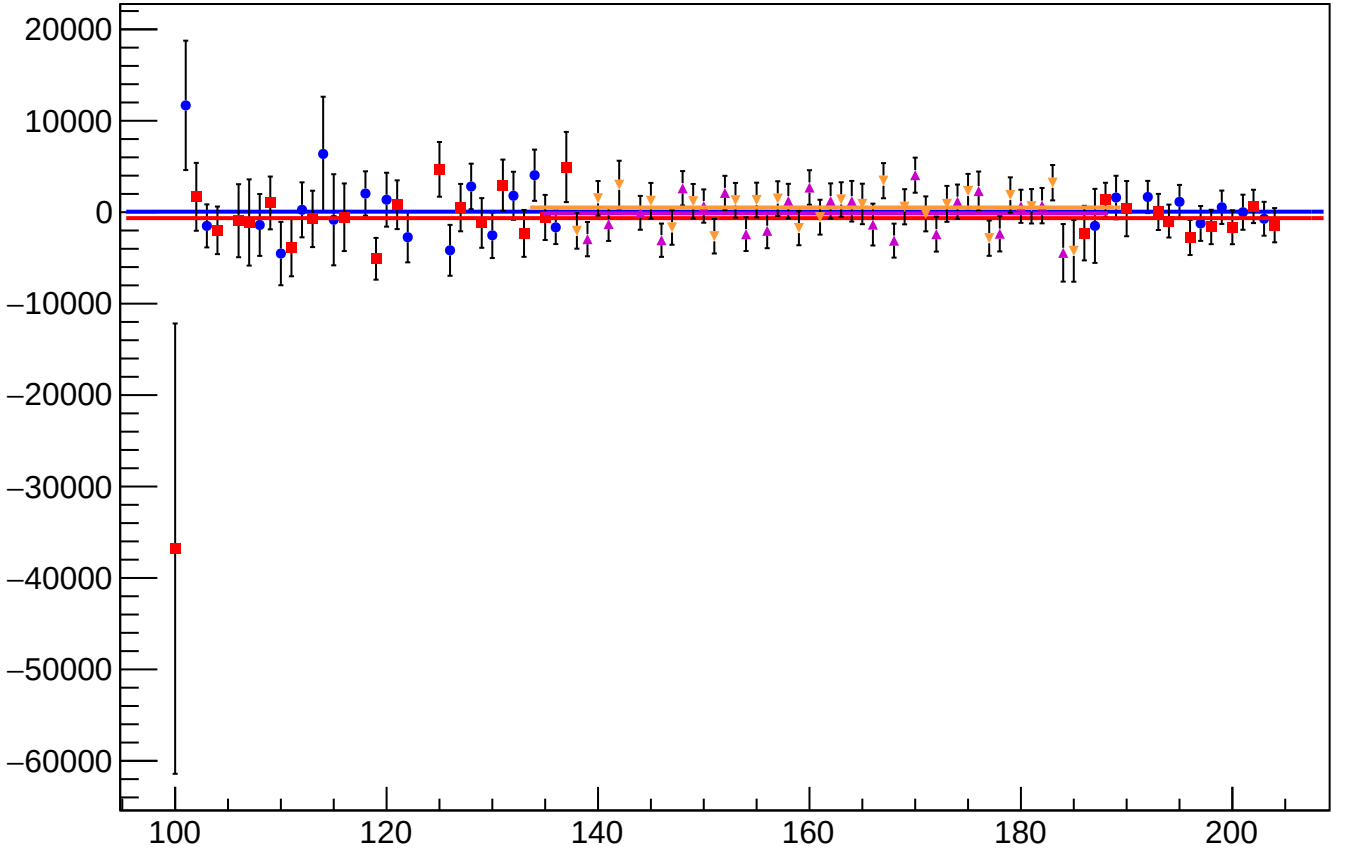
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1018.717+/-0.135 χ^2/NDF: 6215377.9/47

All: 1030.144+/-0.096 χ^2/NDF: 13680222.9/9

- sign 1041.760+/-0.136 χ^2/NDF: 7450426.3/50

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 58.316+/-501.326 χ^2/NDF: 18.4/23

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -646.759+/-472.891 χ^2/NDF: 20.0/27

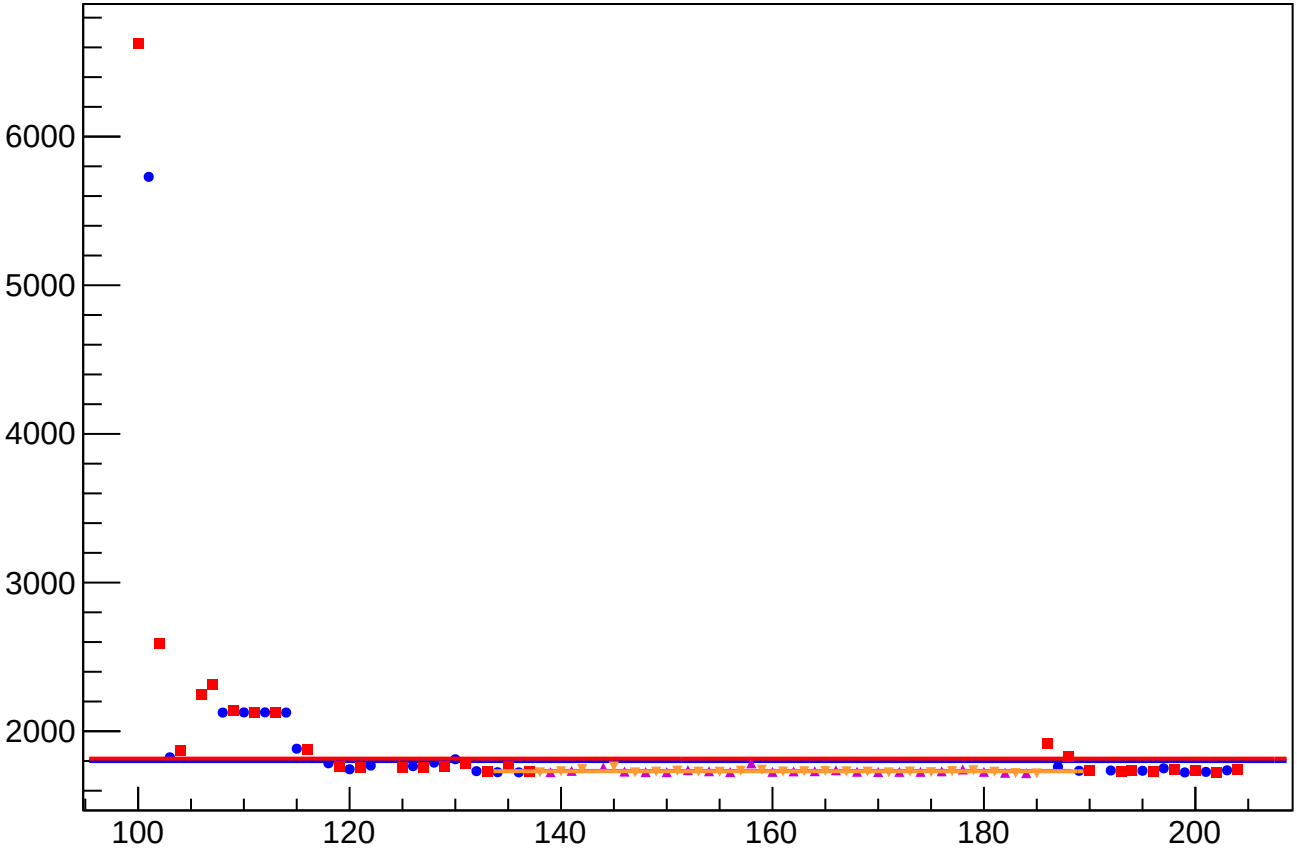
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 339.451+/-313.482 χ^2/NDF: 39.7/47

All: -10.024+/-219.500 χ^2/NDF: 92.3/98

- sign -346.167+/-307.444 χ^2/NDF: 50.2/50

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1799.392+/-0.354 χ^2/NDF: 707758.9/23

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

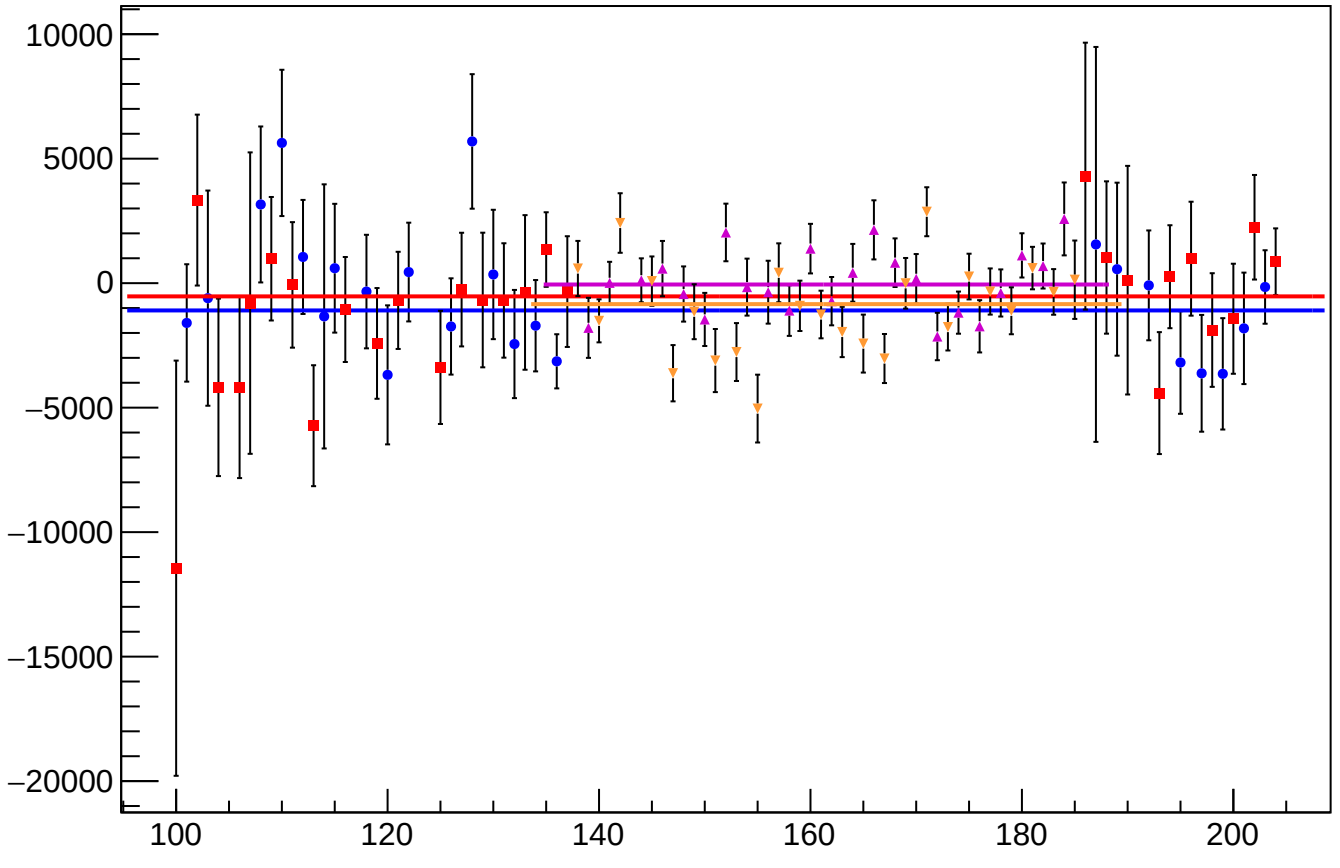
Right Out: 1815.892+/-0.334 χ^2/NDF: 315048.1/27

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1757.649+/-0.222 χ^2/NDF: 731498.2/47

All: 1762.946+/-0.155 χ^2/NDF: 1085375.0/98

- sign 1768.041+/-0.217 χ^2/NDF: 352756.5/50



Right In: -1095.507+/-452.252 χ^2/NDF: 25.3/23

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

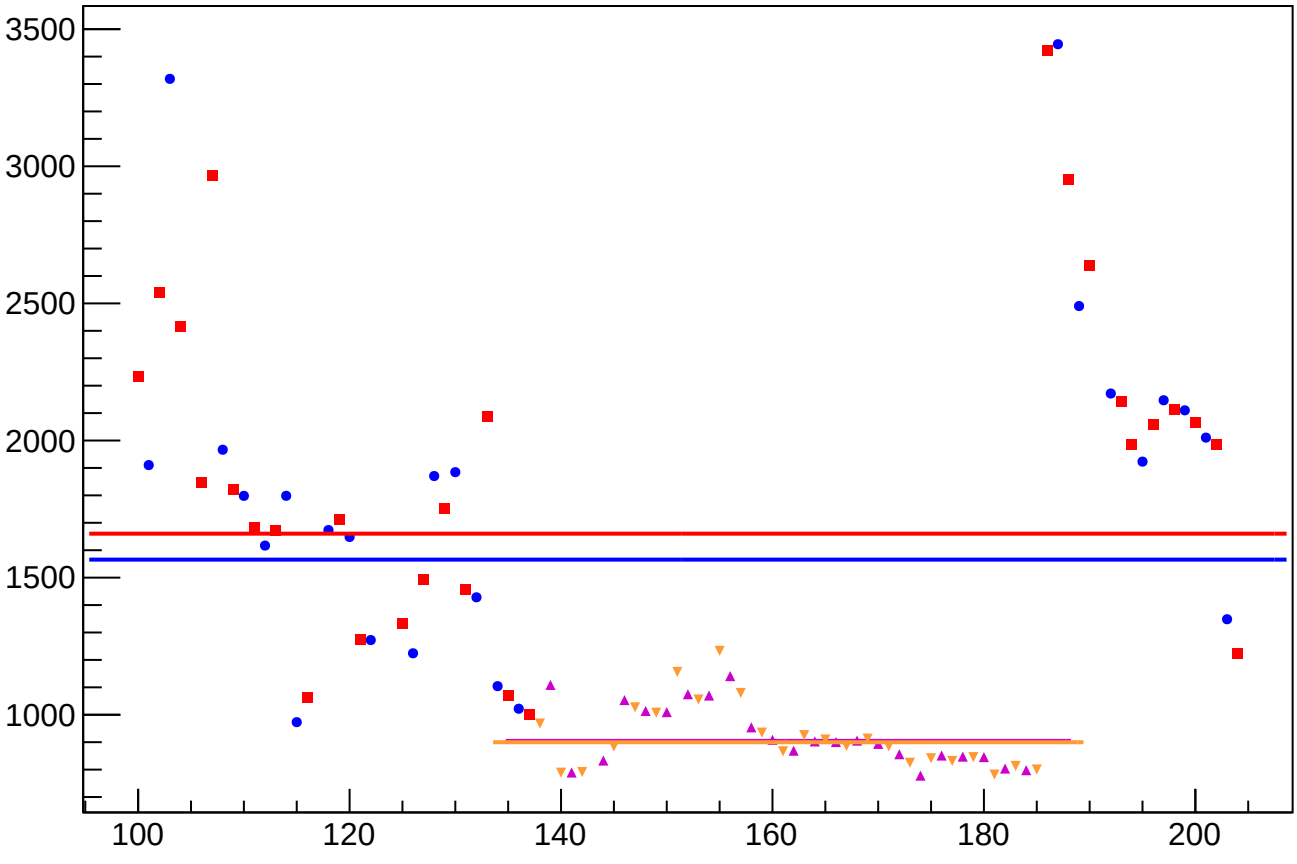
Right Out: -531.037+/-452.363 χ^2/NDF: 21.5/27

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -887.654+/-191.103 χ^2/NDF: 88.3/47

All: -517.141+/-135.685 χ^2/NDF: 148.9/98

- sign -140.488+/-192.681 χ^2/NDF: 53.1/50



Right In: 1565.728+/-0.320 χ^2/NDF: 2158192.3/23

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1660.368+/-0.320 χ^2/NDF: 2429084.8/27

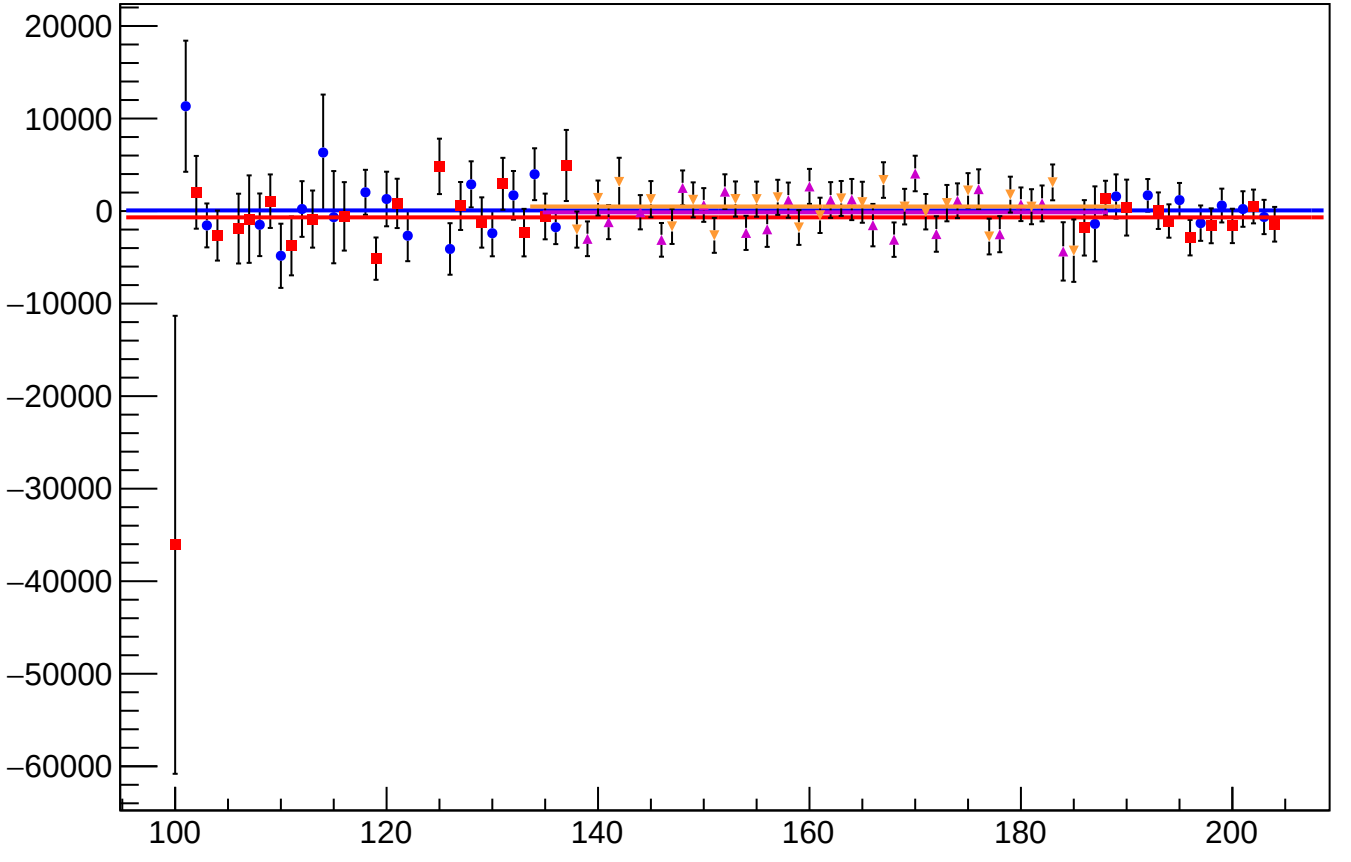
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1018.717+/-0.135 χ^2/NDF: 6215377.9/47

All: 1030.144+/-0.096 χ^2/NDF: 13680222.9/9

- sign 1041.760+/-0.136 χ^2/NDF: 7450426.3/50

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 70.894+/-501.903 χ^2/NDF: 18.4/23

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -680.127+/-473.898 χ^2/NDF: 20.5/27

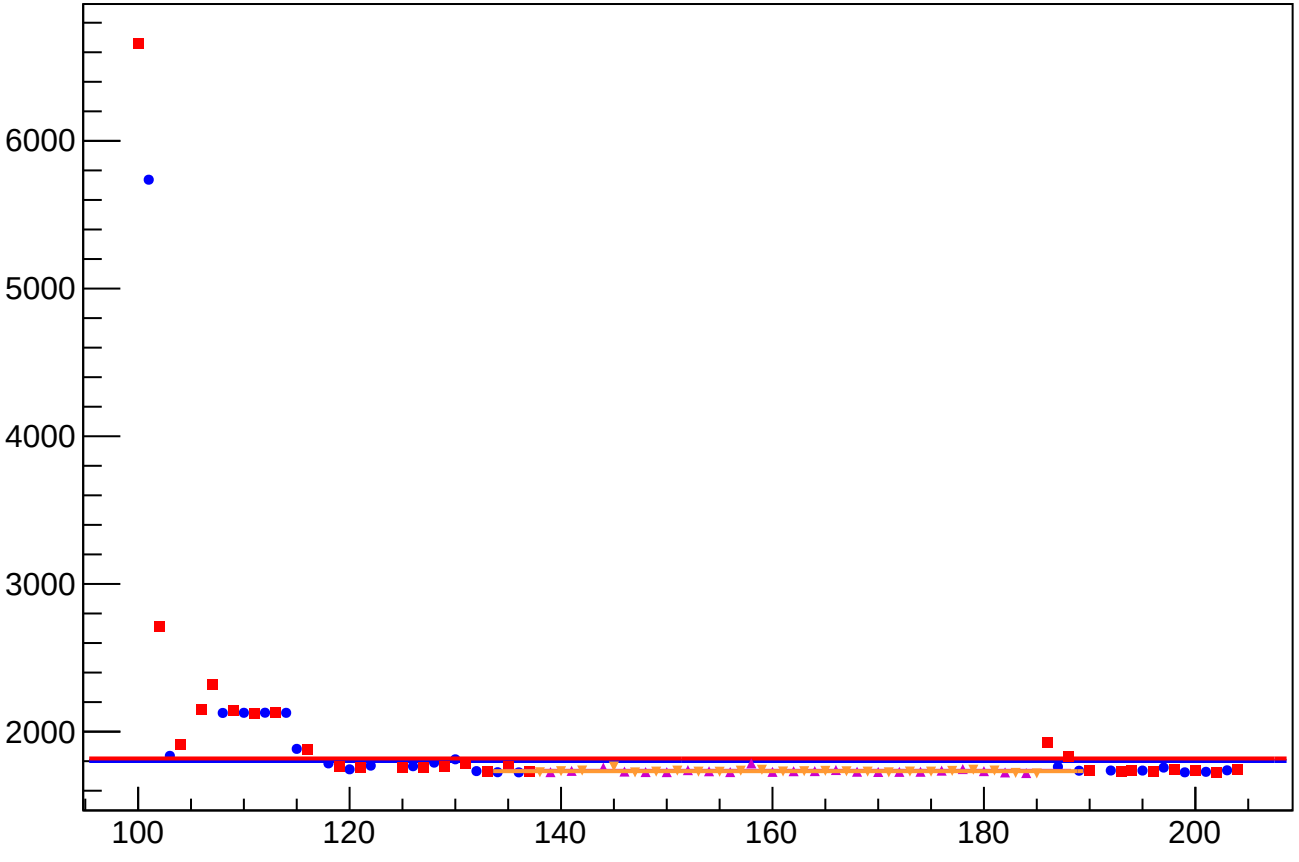
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 329.158+/-313.796 χ^2/NDF: 38.8/47

All: -25.207+/-219.766 χ^2/NDF: 92.2/98

- sign -366.337+/-307.881 χ^2/NDF: 50.8/50

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1801.305+/-0.355 χ^2/NDF: 708039.8/23

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

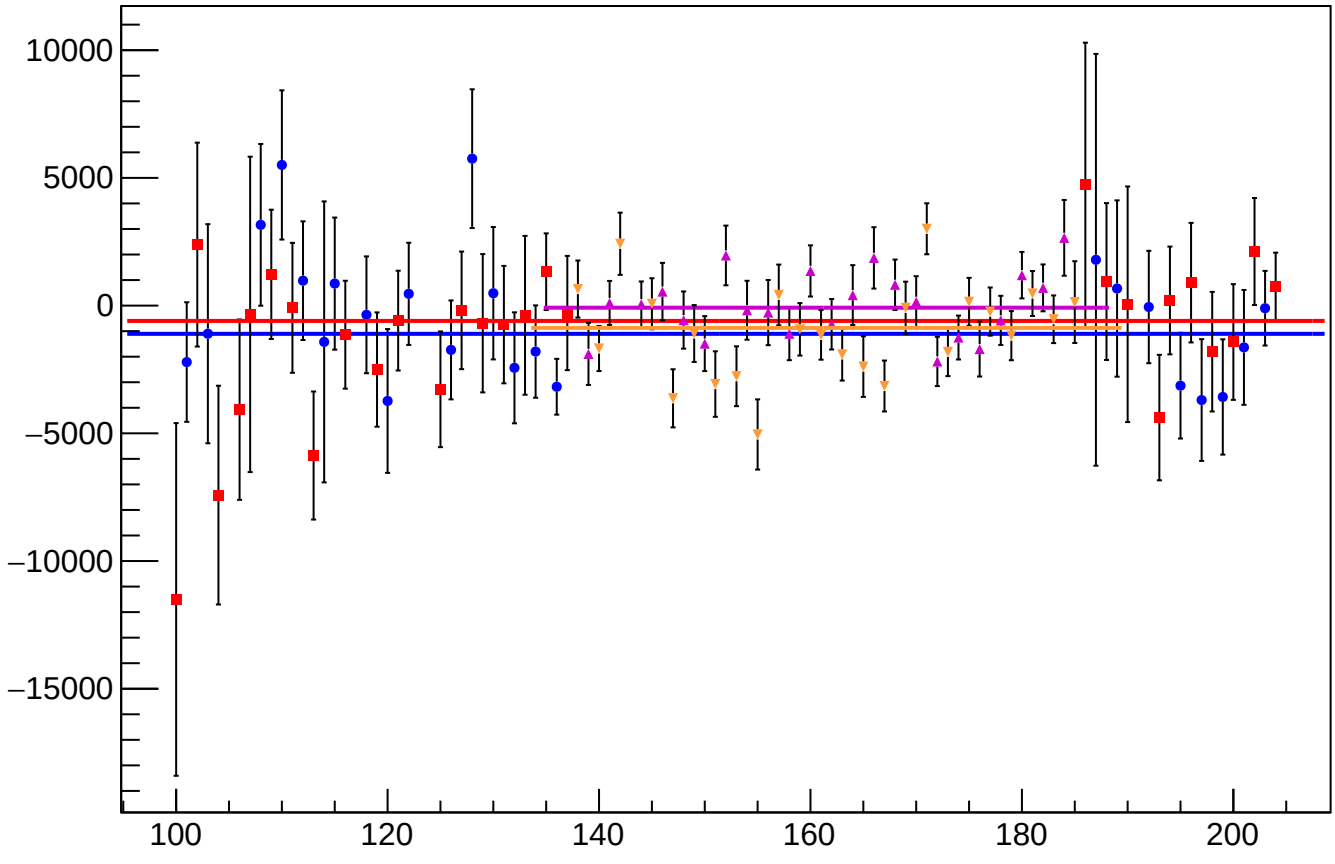
Right Out: 1818.307+/-0.335 χ^2/NDF: 325639.8/27

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1759.327+/-0.222 χ^2/NDF: 731918.7/47

All: 1764.721+/-0.155 χ^2/NDF: 1097023.7/98

- sign 1769.913+/-0.218 χ^2/NDF: 363945.4/50



Right In: -1105.040+/-452.990 χ^2/NDF: 25.6/23

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

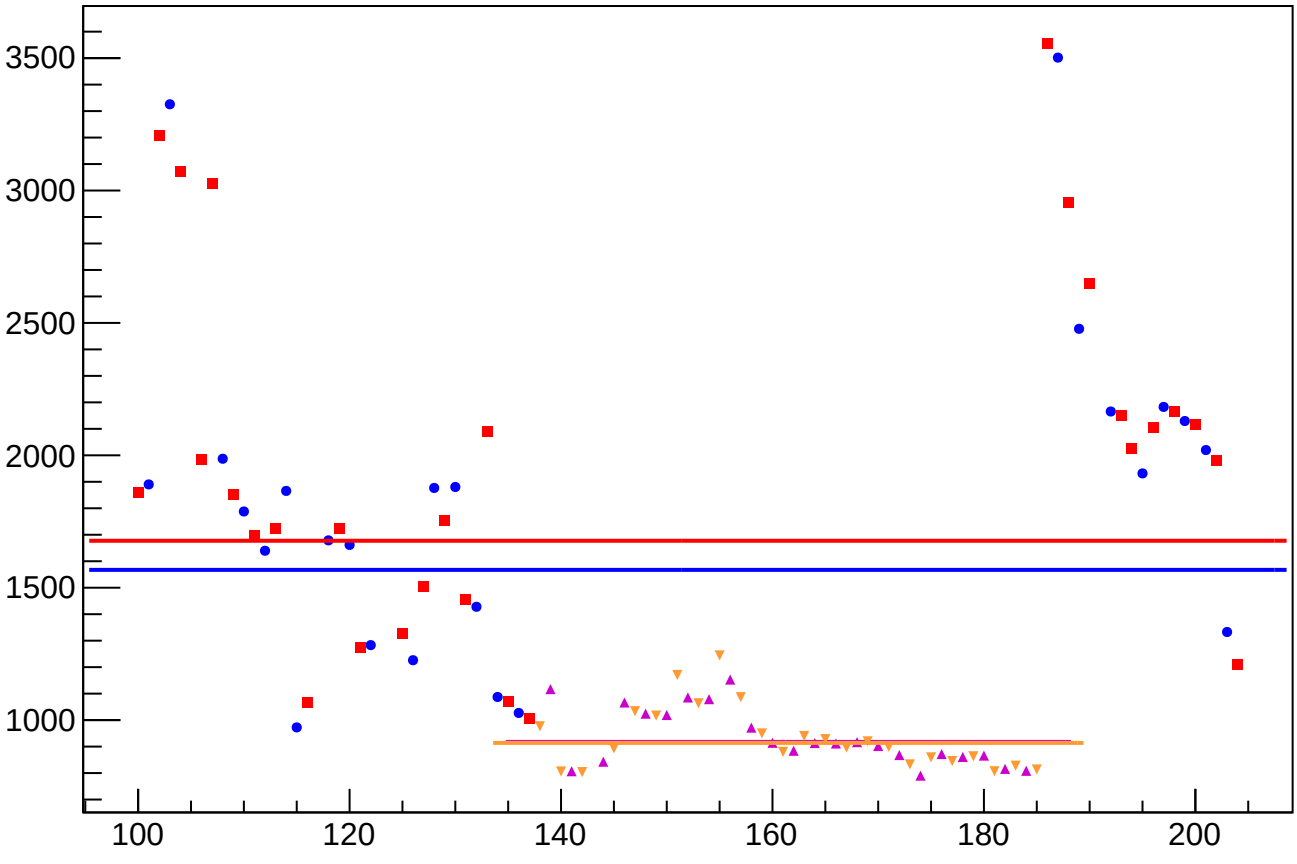
Right Out: -598.911+/-456.754 χ^2/NDF: 22.7/27

Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -915.199+/-193.500 χ^2/NDF: 87.8/47

All: -548.845+/-137.423 χ^2/NDF: 148.7/98

- sign -176.018+/-195.202 χ^2/NDF: 53.7/50



Right In: 1567.404+/-0.320 χ^2/NDF: 2191399.5/23

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1677.365+/-0.323 χ^2/NDF: 2816184.6/27

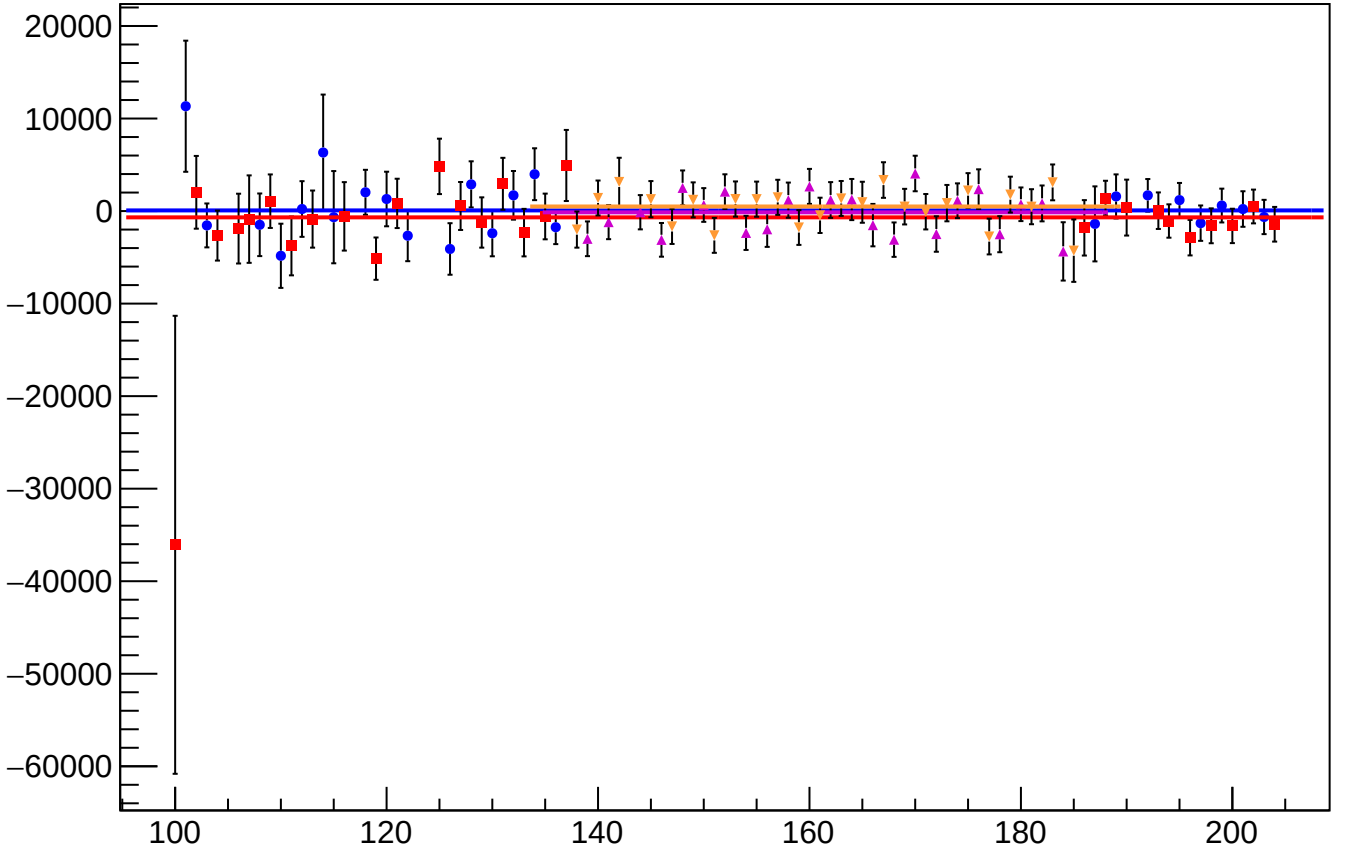
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1033.142+/-0.137 χ^2/NDF: 6057202.4/47

All: 1044.683+/-0.097 χ^2/NDF: 13840457.0/9

- sign 1056.427+/-0.138 χ^2/NDF: 7768900.8/50

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 70.895+/-501.903 χ^2/NDF: 18.4/23

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -680.127+/-473.898 χ^2/NDF: 20.5/27

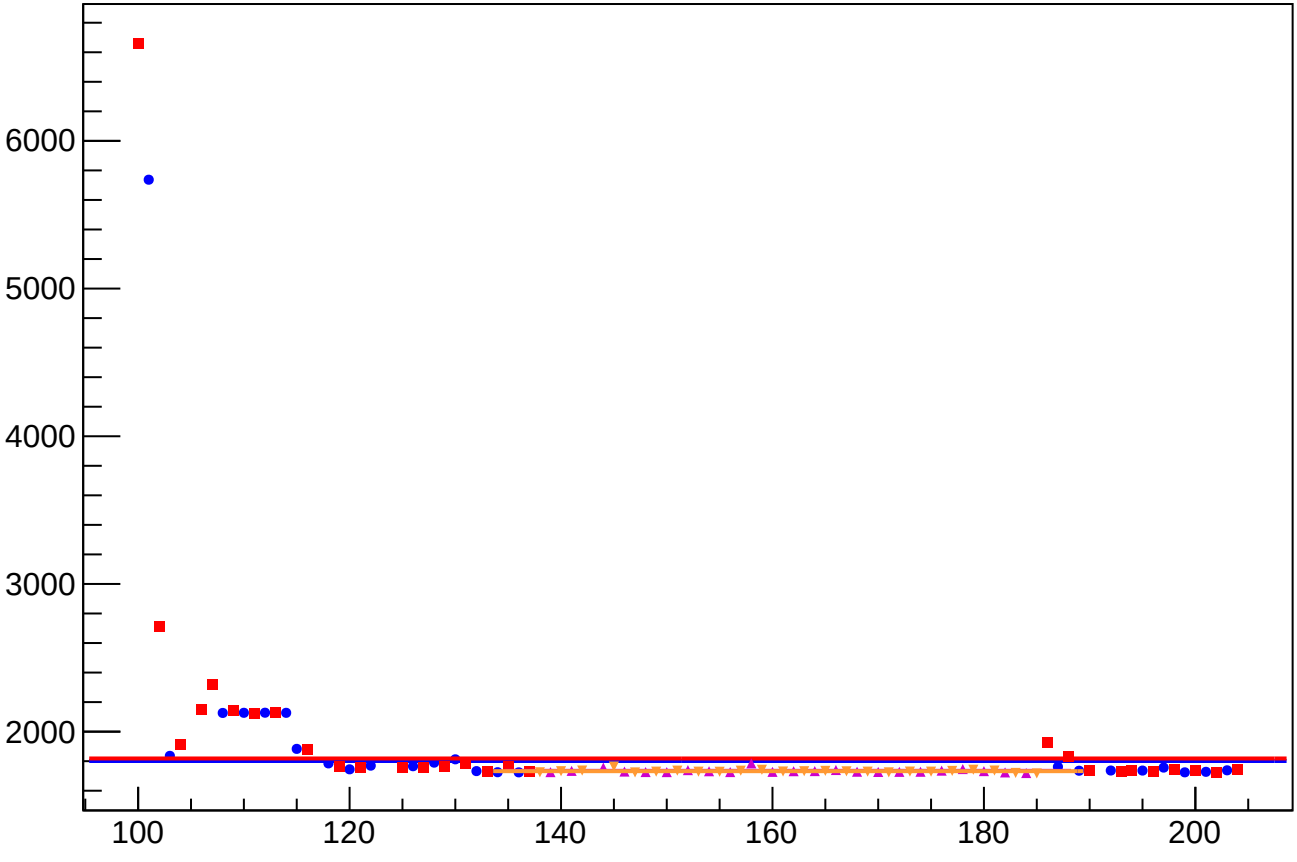
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 329.158+/-313.796 χ^2/NDF: 38.8/47

All: -25.207+/-219.766 χ^2/NDF: 92.2/98

- sign -366.337+/-307.881 χ^2/NDF: 50.8/50

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1801.305+/-0.355 χ^2/NDF: 708039.8/23

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

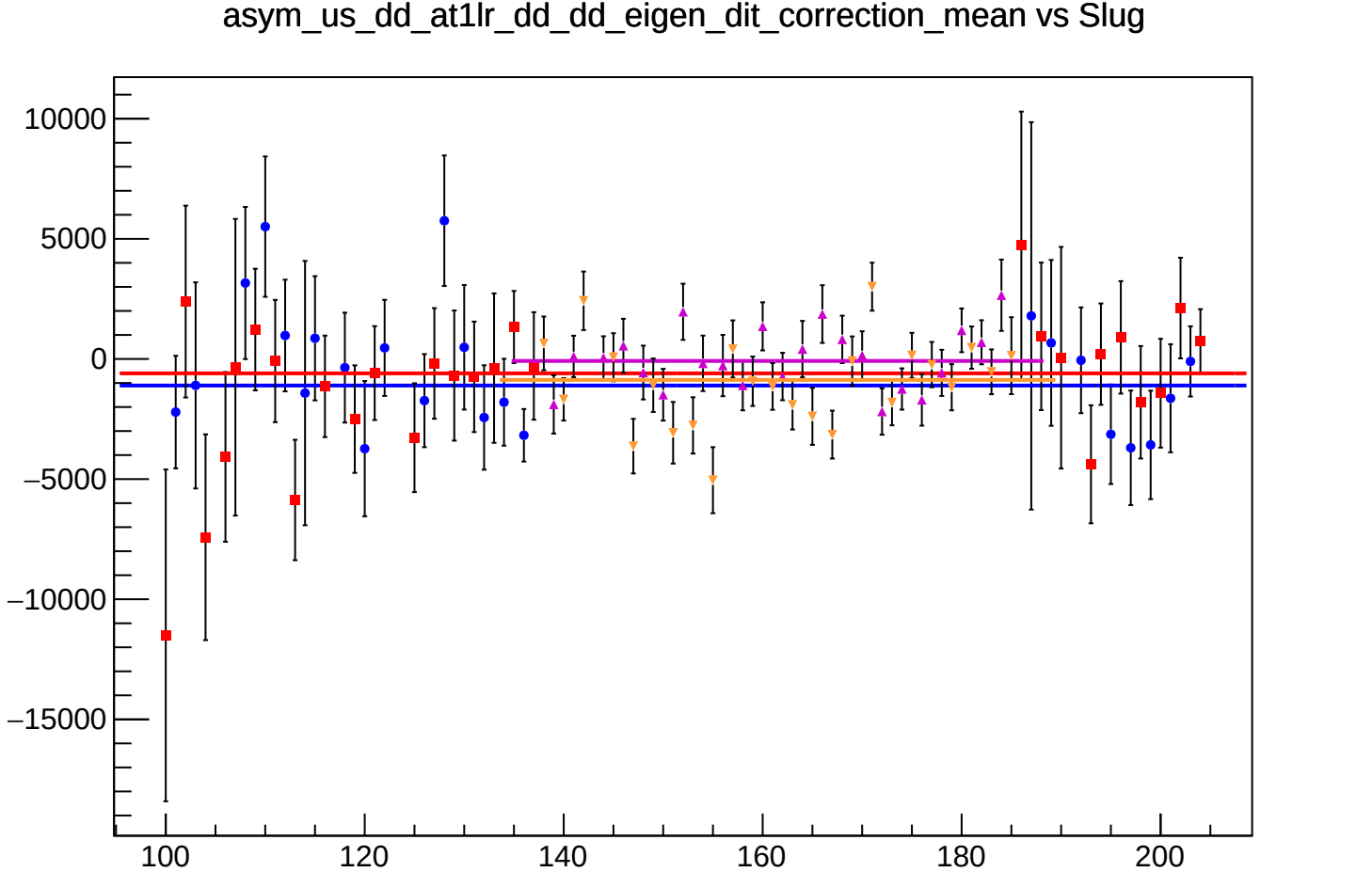
Right Out: 1818.307+/-0.335 χ^2/NDF: 325639.5/27

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1759.327+/-0.222 χ^2/NDF: 731918.7/47

All: 1764.721+/-0.155 χ^2/NDF: 1097023.3/98

- sign 1769.913+/-0.218 χ^2/NDF: 363945.0/50



Right In: -1105.036+/-452.989 χ^2/NDF: 25.6/23

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

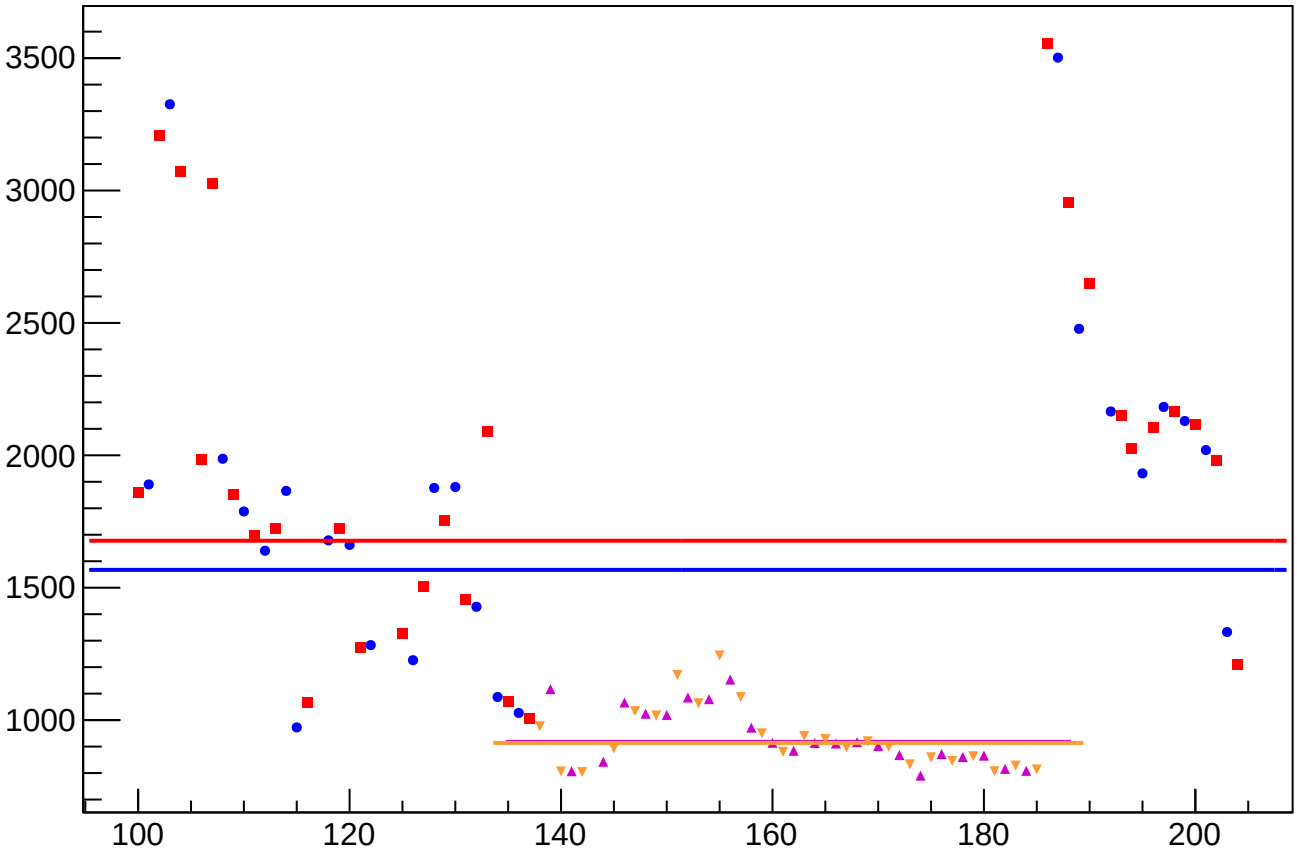
Right Out: -598.912+/-456.753 χ^2/NDF: 22.7/27

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -915.197+/-193.500 χ^2/NDF: 87.8/47

All: -548.844+/-137.423 χ^2/NDF: 148.7/98

- sign -176.017+/-195.202 χ^2/NDF: 53.7/50



Right In: 1567.401+/-0.320 χ^2/NDF: 2191404.8/23

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1677.364+/-0.323 χ^2/NDF: 2816189.7/27

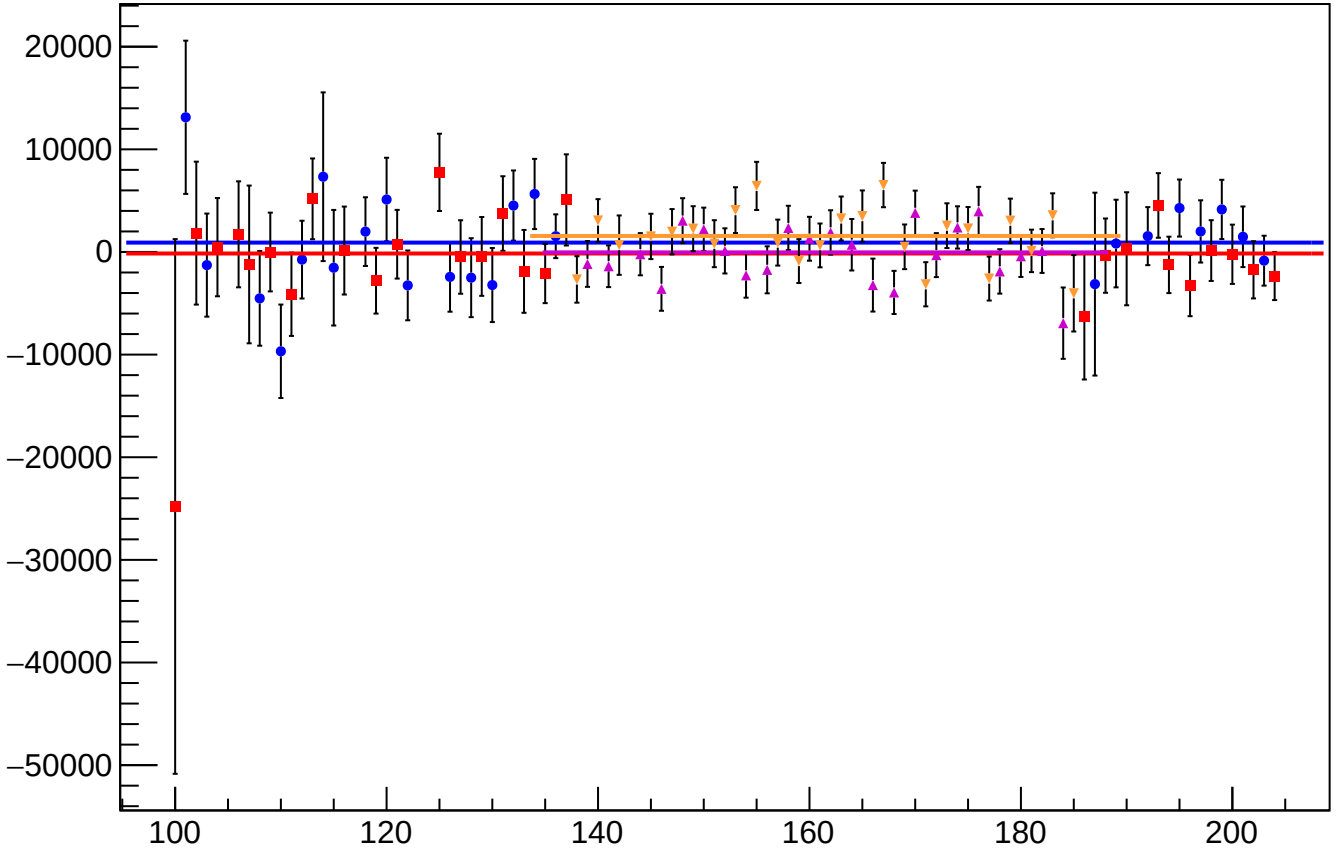
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1033.142+/-0.137 χ^2/NDF: 6057201.7/47

All: 1044.682+/-0.097 χ^2/NDF: 13840464.8/9

- sign 1056.427+/-0.138 χ^2/NDF: 7768909.4/50

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 913.119+/-714.006 χ^2/NDF: 23.2/23

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -149.472+/-689.303 χ^2/NDF: 18.0/27

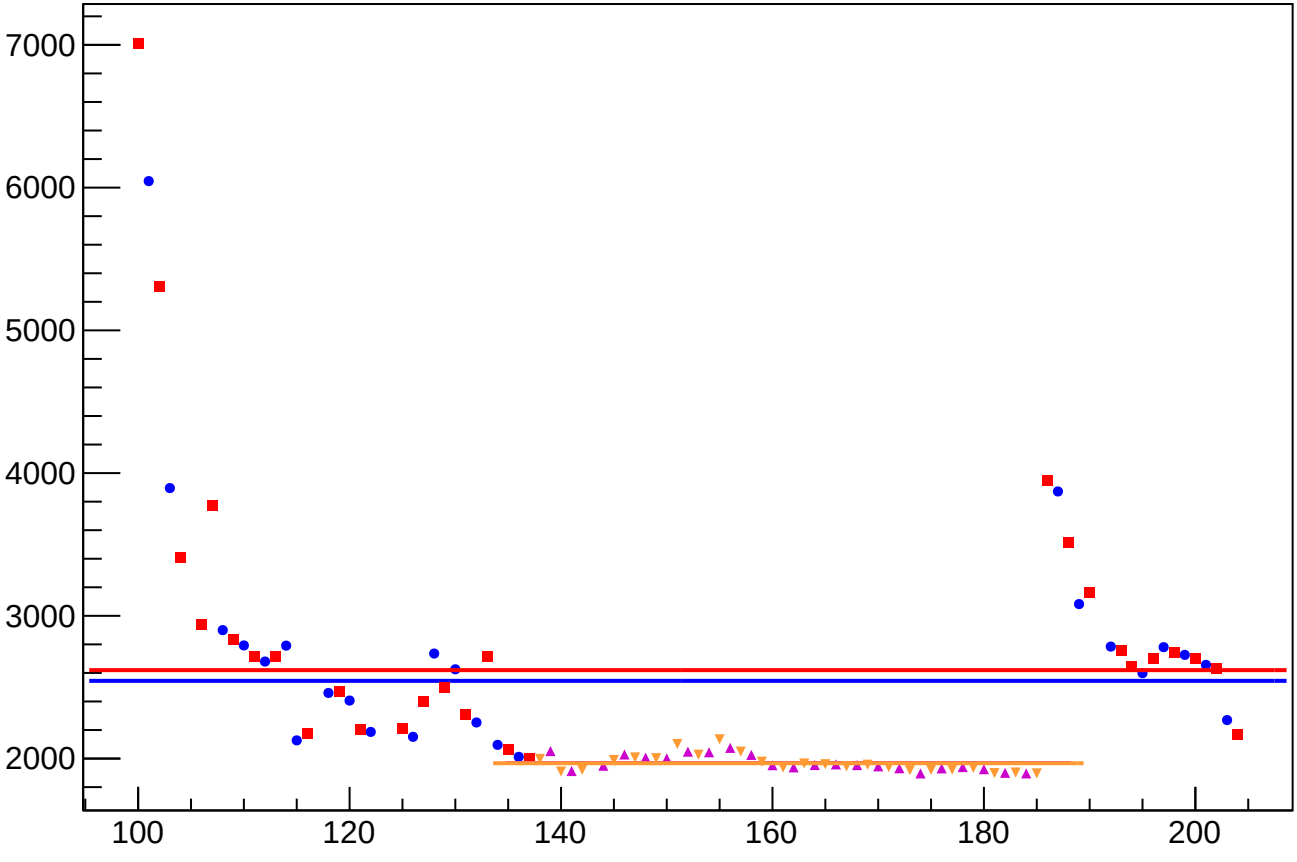
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1373.040+/-384.839 χ^2/NDF: 55.0/47

All: 645.454+/-271.323 χ^2/NDF: 107.9/98

- sign -73.645+/-382.588 χ^2/NDF: 45.8/50

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2544.482+/-0.505 χ^2/NDF: 989354.6/23

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

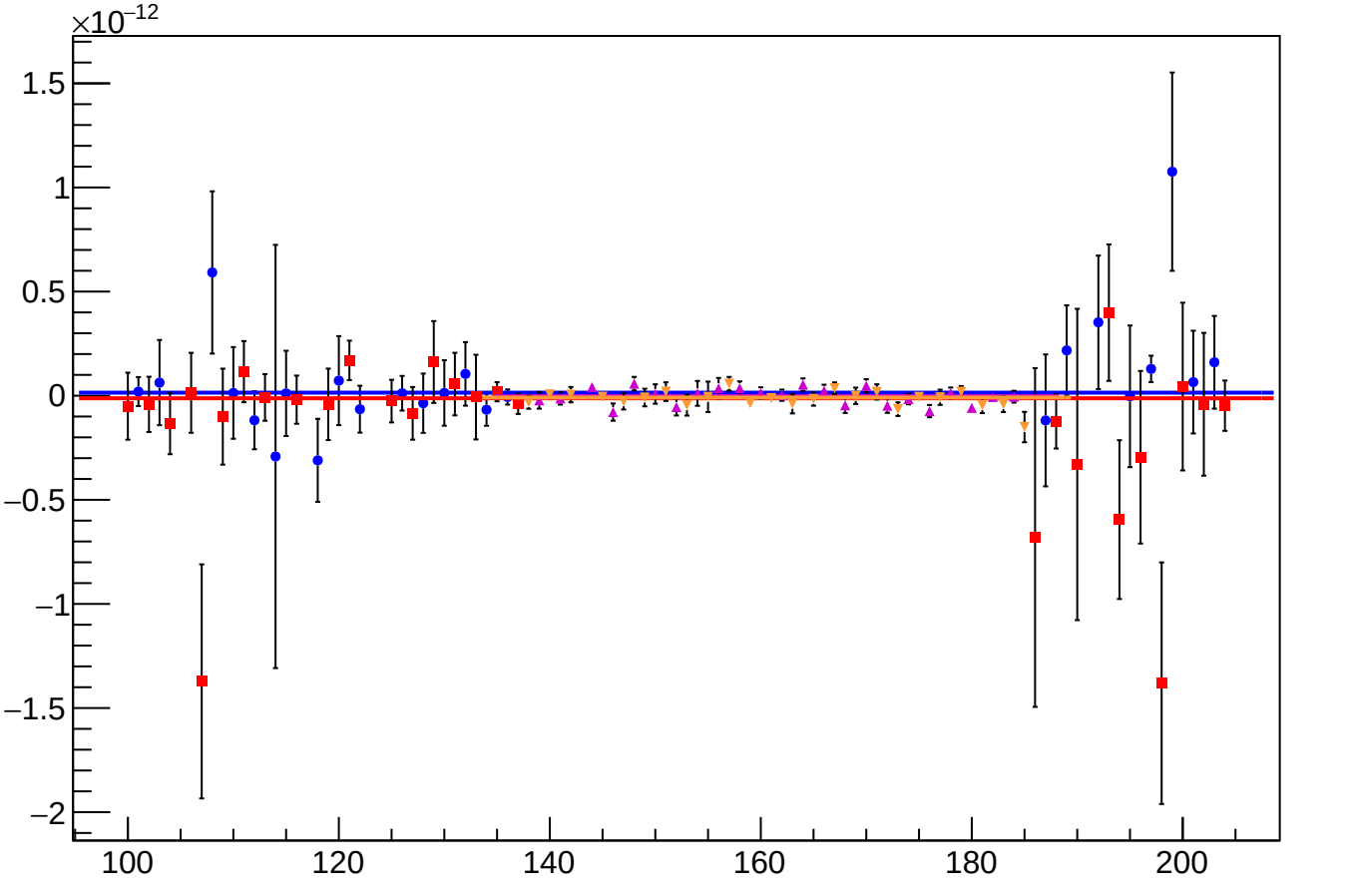
Right Out: 2619.574+/-0.487 χ^2/NDF: 1007162.4/27

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2135.057+/-0.272 χ^2/NDF: 1950460.3/47

All: 2152.347+/-0.192 χ^2/NDF: 4224822.2/98

- sign 2169.435+/-0.271 χ^2/NDF: 2266334.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

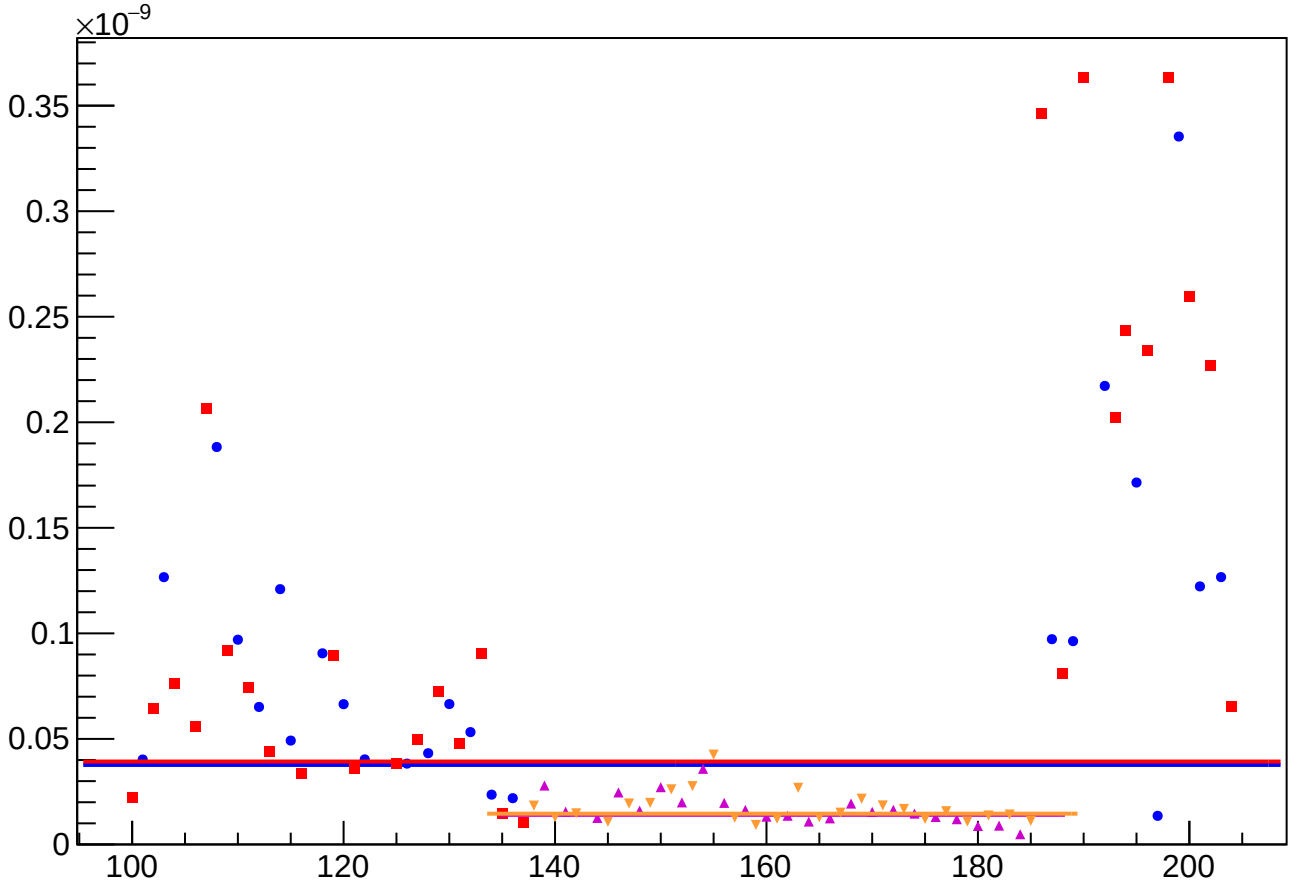
Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/27

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.0/47

All: -0.000+/-0.000 χ^2/NDF: 105.3/98

- sign -0.000+/-0.000 χ^2/NDF: 64.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 4413115.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6570451.8/27

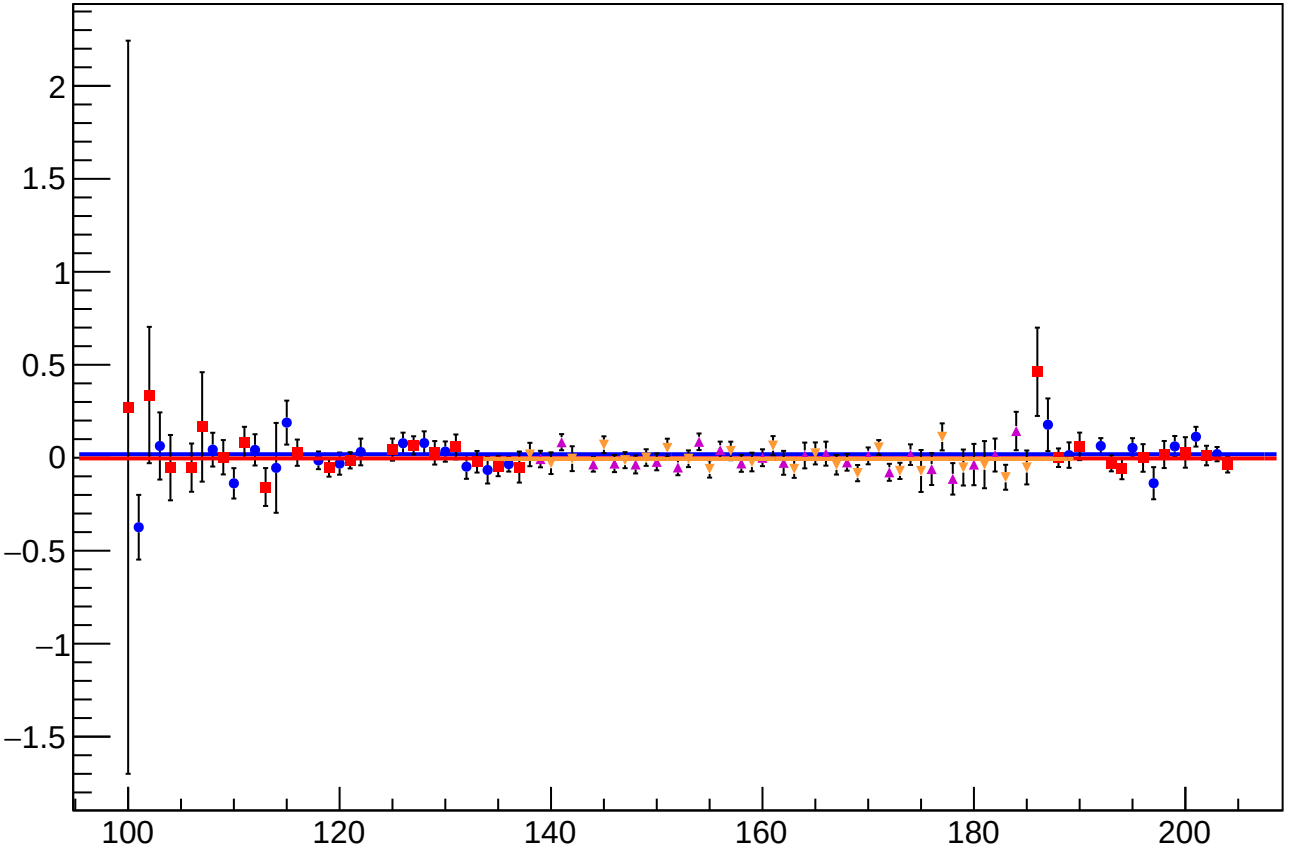
Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7561478.4/47

All: 0.000+/-0.000 χ^2/NDF: 17773707.0/98

- sign 0.000+/-0.000 χ^2/NDF: 10202967.6/50

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.013 χ^2/NDF: 28.3/23

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.004+/-0.012 χ^2/NDF: 17.9/27

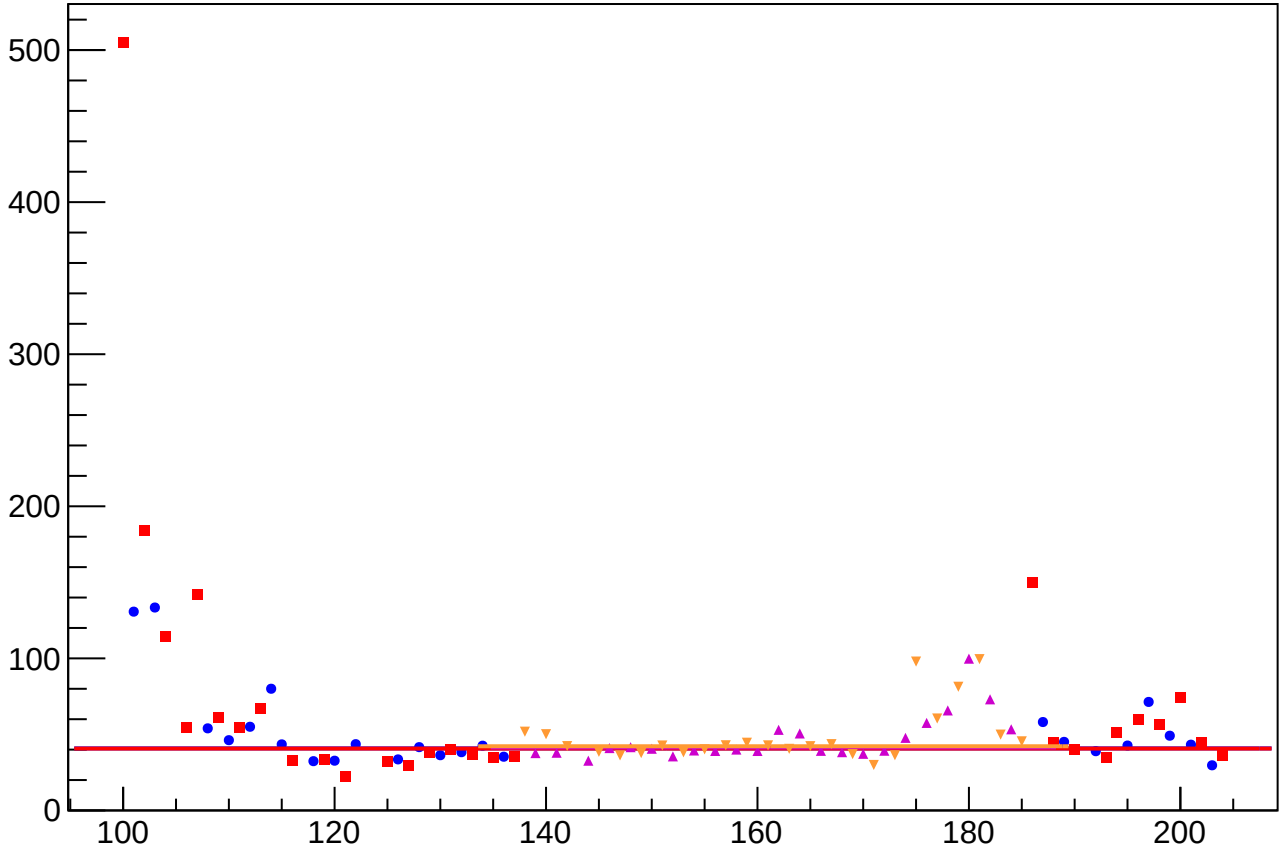
Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.004+/-0.008 χ^2/NDF: 54.6/47

All: -0.001+/-0.006 χ^2/NDF: 93.2/98

- sign -0.005+/-0.008 χ^2/NDF: 38.0/50

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.802+/-0.009 χ^2/NDF: 1921788.0/23

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

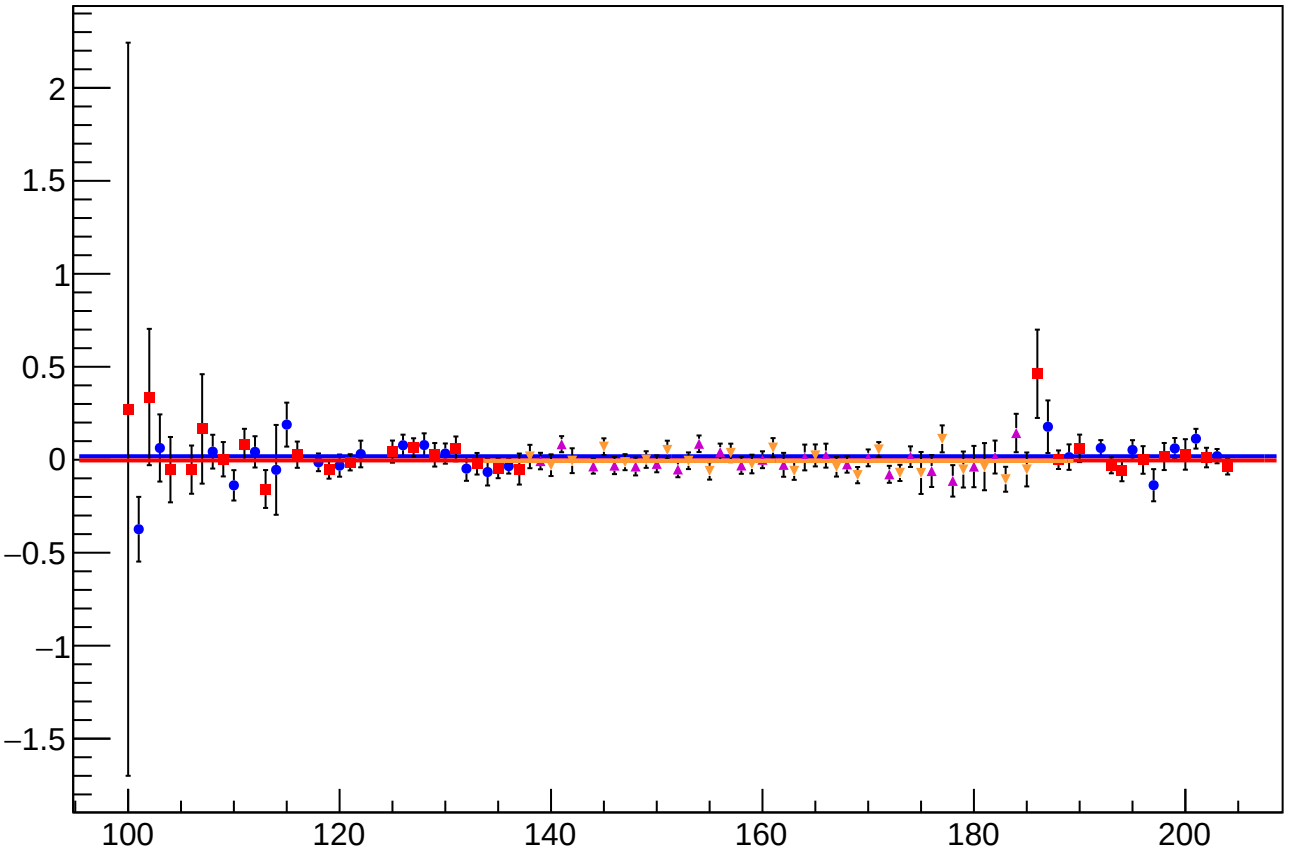
Right Out: 40.692+/-0.009 χ^2/NDF: 3078051.5/27

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.616+/-0.006 χ^2/NDF: 3755124.2/47

All: 41.356+/-0.004 χ^2/NDF: 8253110.9/98

- sign 41.109+/-0.006 χ^2/NDF: 4494172.1/50



Right In: 0.019+/-0.013 χ^2/NDF: 28.3/23

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

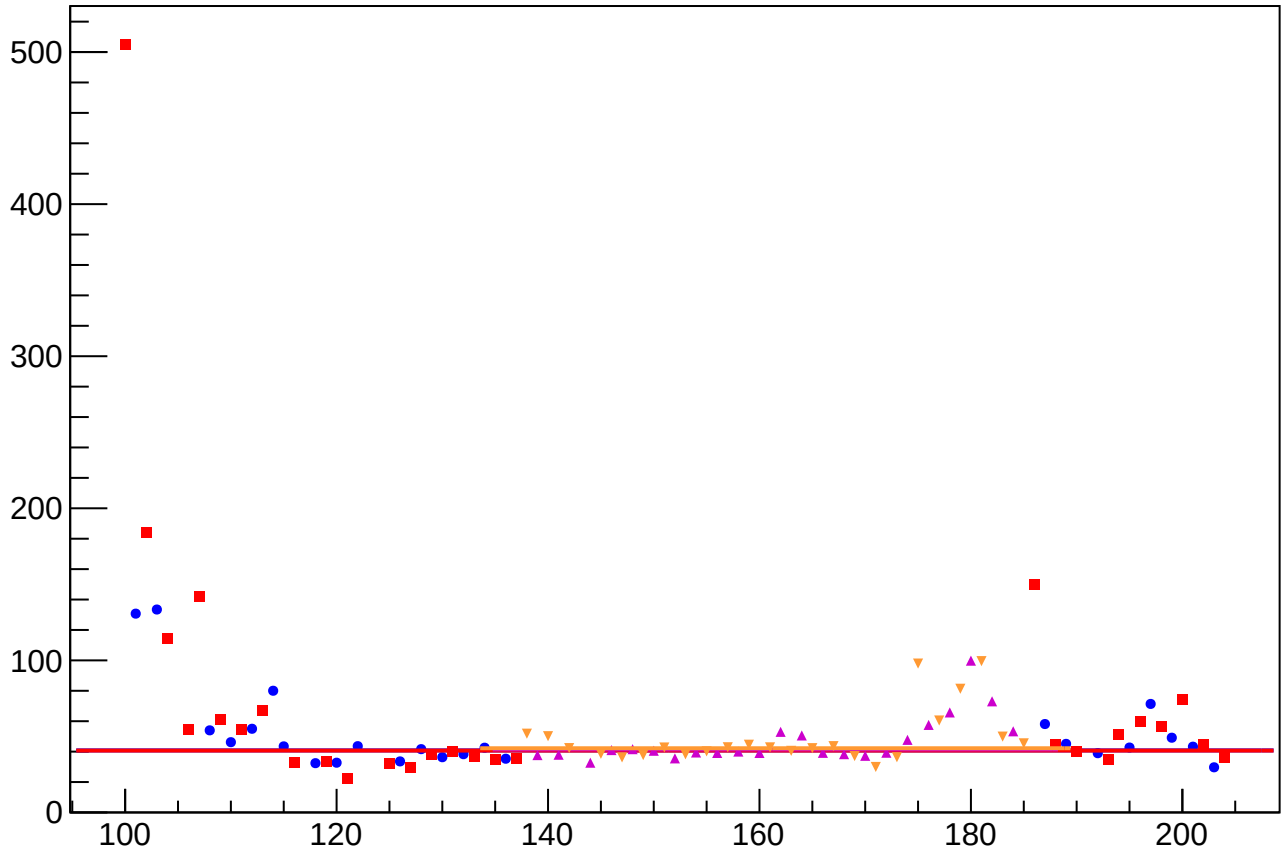
Right Out: -0.004+/-0.012 χ^2/NDF: 17.9/27

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.004+/-0.008 χ^2/NDF: 54.6/47

All: -0.001+/-0.006 χ^2/NDF: 93.2/98

- sign -0.005+/-0.008 χ^2/NDF: 38.0/50



Right In: 40.802+/-0.009 χ^2/NDF: 1921788.0/23

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

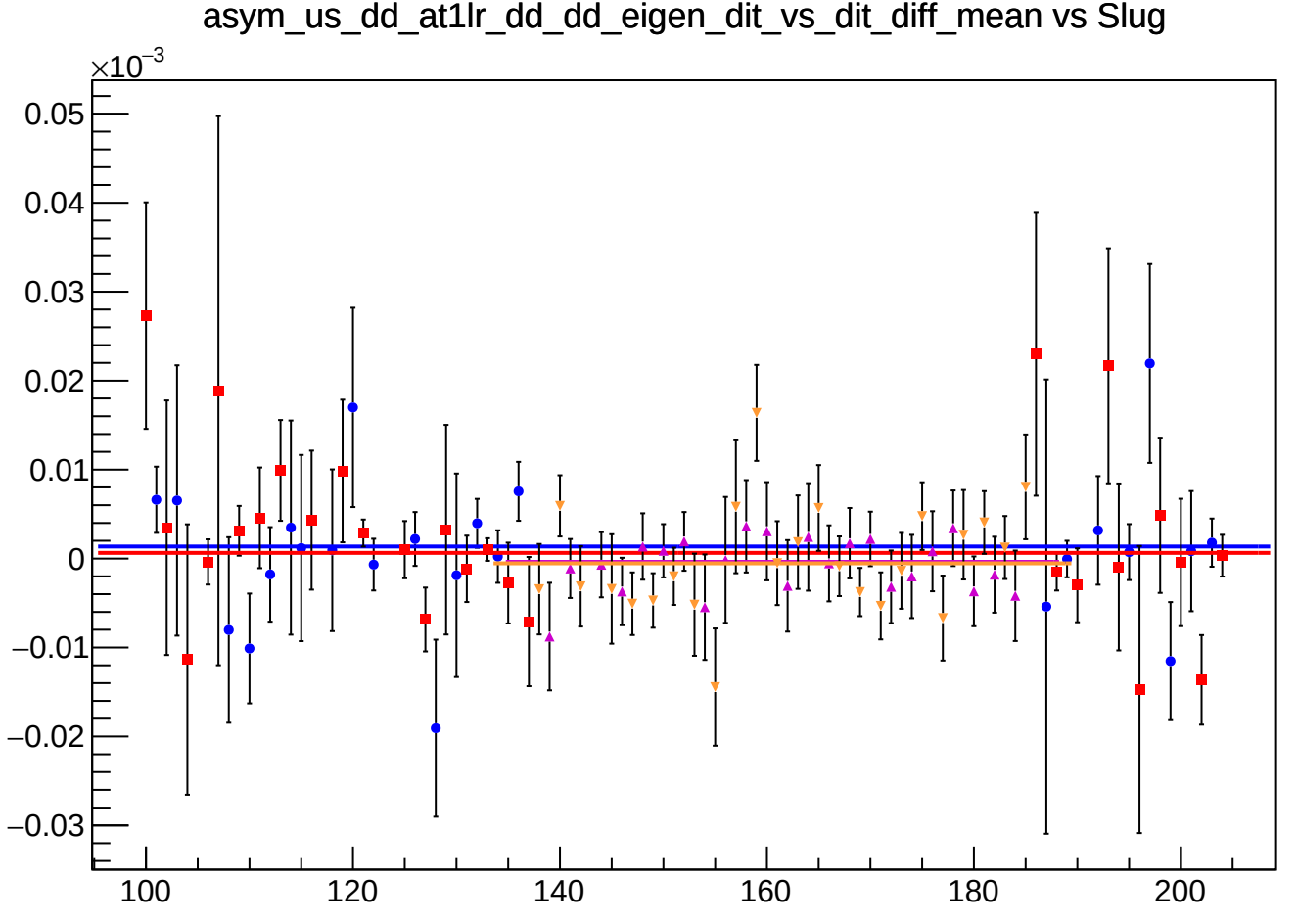
Right Out: 40.692+/-0.009 χ^2/NDF: 3078051.5/27

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.616+/-0.006 χ^2/NDF: 3755124.2/47

All: 41.356+/-0.004 χ^2/NDF: 8253110.9/98

- sign 41.109+/-0.006 χ^2/NDF: 4494172.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

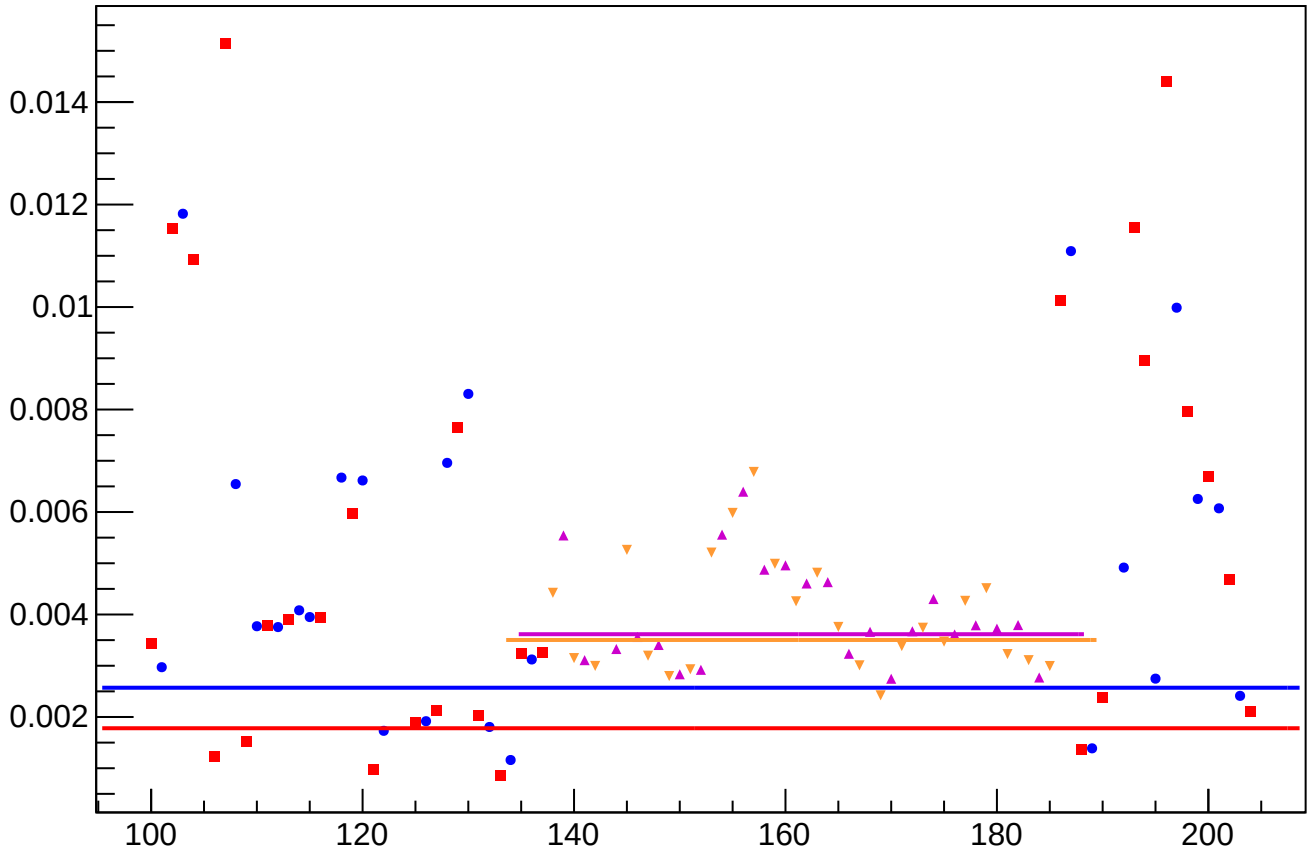
Right Out: 0.000+/-0.000 χ^2/NDF: 35.2/27

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.3/47

All: 0.000+/-0.000 χ^2/NDF: 111.0/98

- sign 0.000+/-0.000 χ^2/NDF: 45.7/50



Right In: 0.003+/-0.000 χ^2/NDF: 7009987.9/23

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

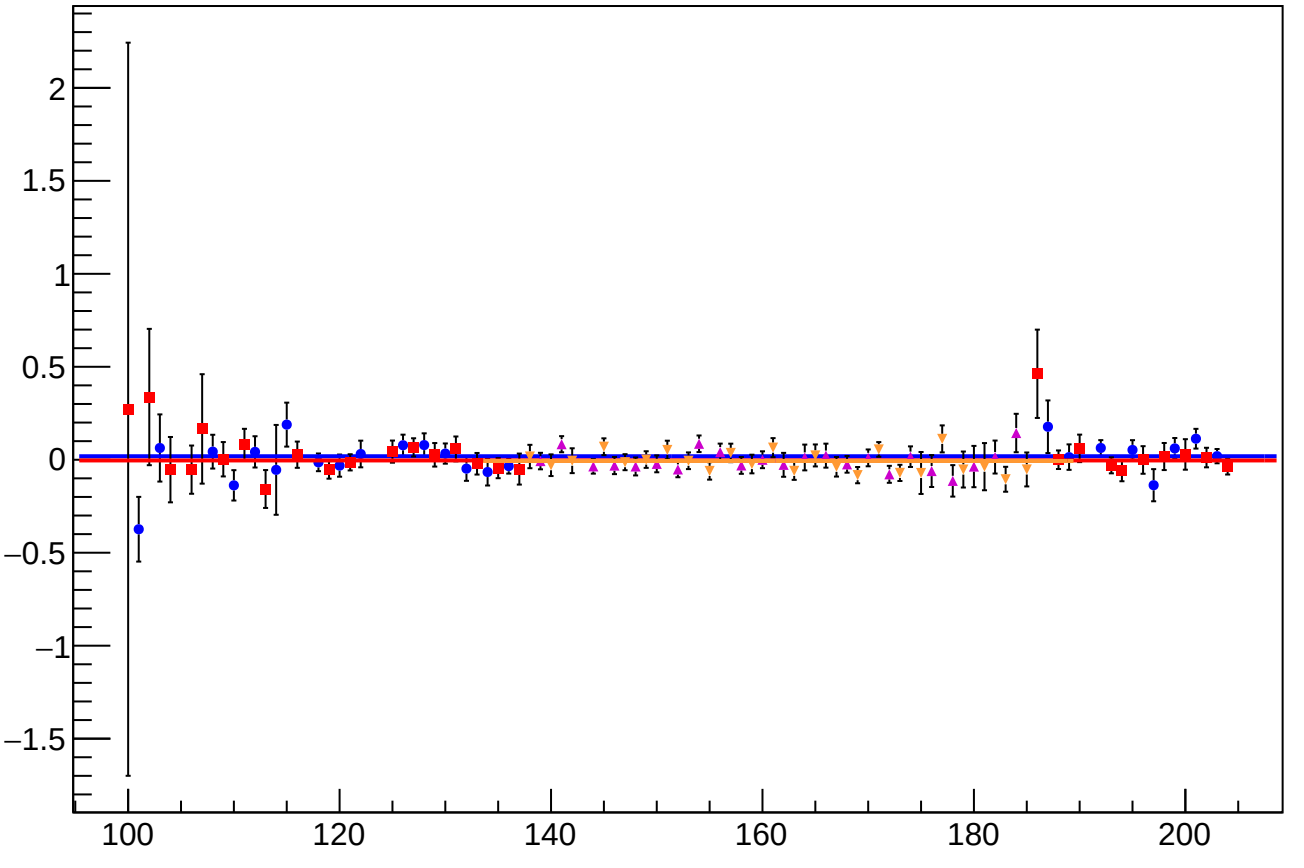
Right Out: 0.002+/-0.000 χ^2/NDF: 12672589.2/27

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 10383031.7/47

All: 0.003+/-0.000 χ^2/NDF: 31548251.9/98

- sign 0.002+/-0.000 χ^2/NDF: 20007264.4/50



Right In: 0.019+/-0.013 χ^2/NDF: 28.3/23

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

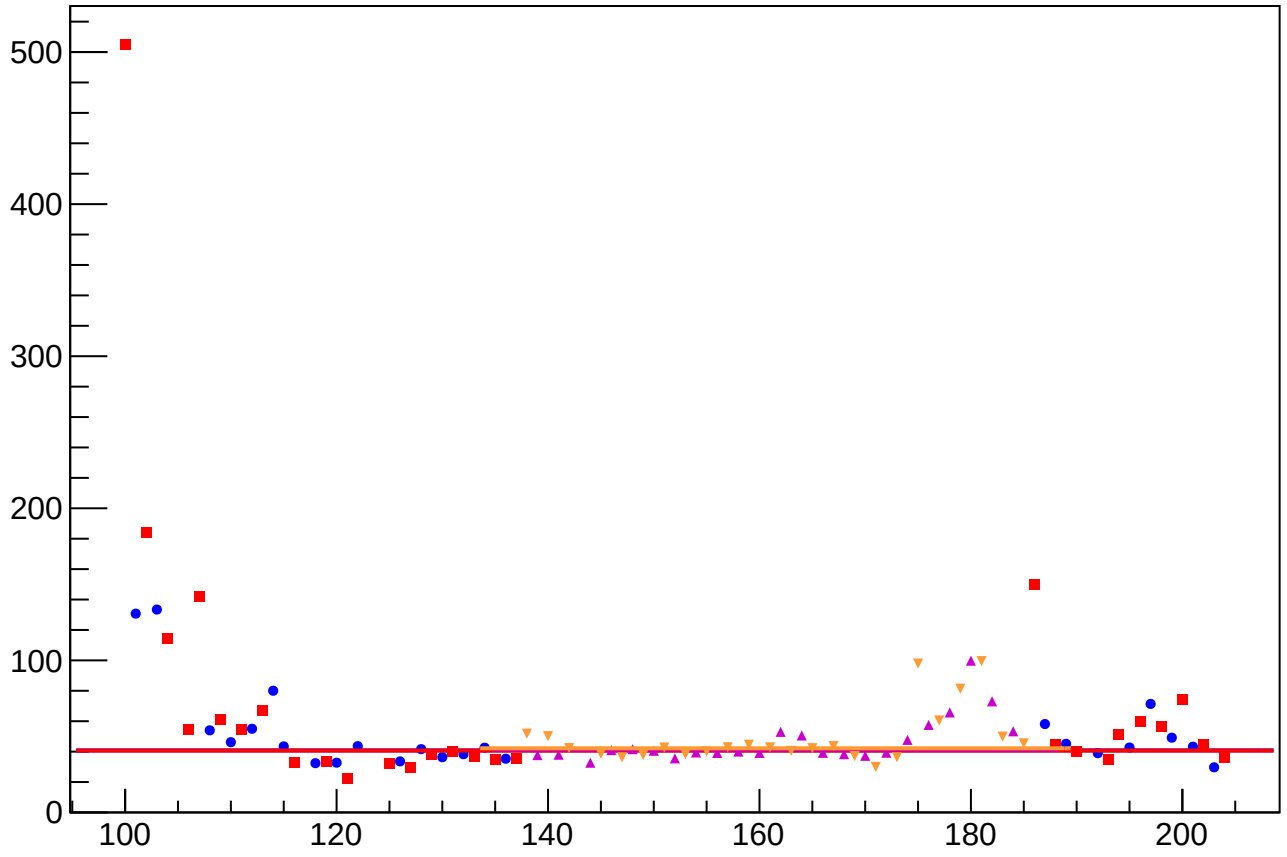
Right Out: -0.004+/-0.012 χ^2/NDF: 17.9/27

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.004+/-0.008 χ^2/NDF: 54.6/47

All: -0.001+/-0.006 χ^2/NDF: 93.2/98

- sign -0.005+/-0.008 χ^2/NDF: 38.0/50



Right In: 40.802+/-0.009 χ^2/NDF: 1921726.7/23

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 40.691+/-0.009 χ^2/NDF: 3078237.8/27

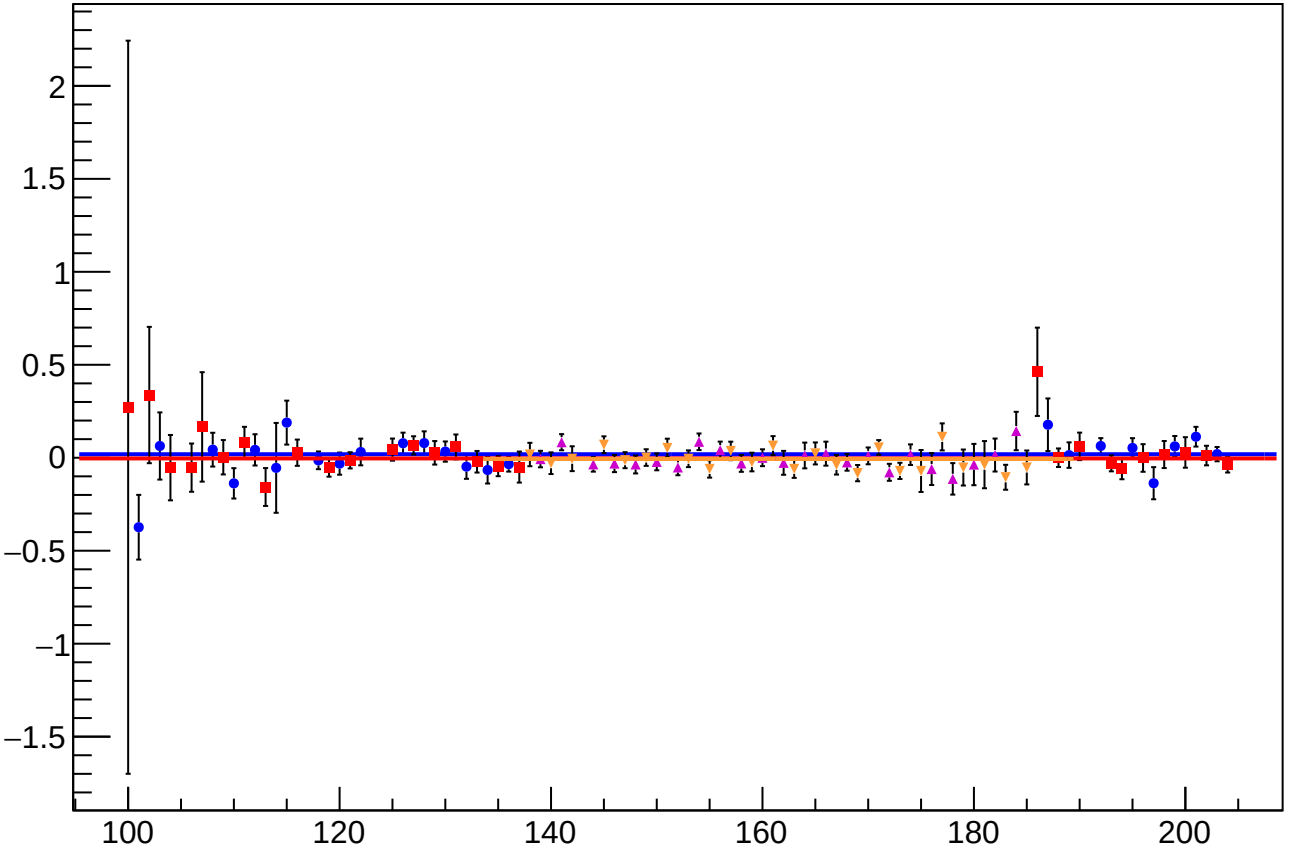
Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.616+/-0.006 χ^2/NDF: 3755055.7/47

All: 41.356+/-0.004 χ^2/NDF: 8253178.1/98

- sign 41.108+/-0.006 χ^2/NDF: 4494300.6/50

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019+/-0.013 χ^2/NDF: 28.3/23

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

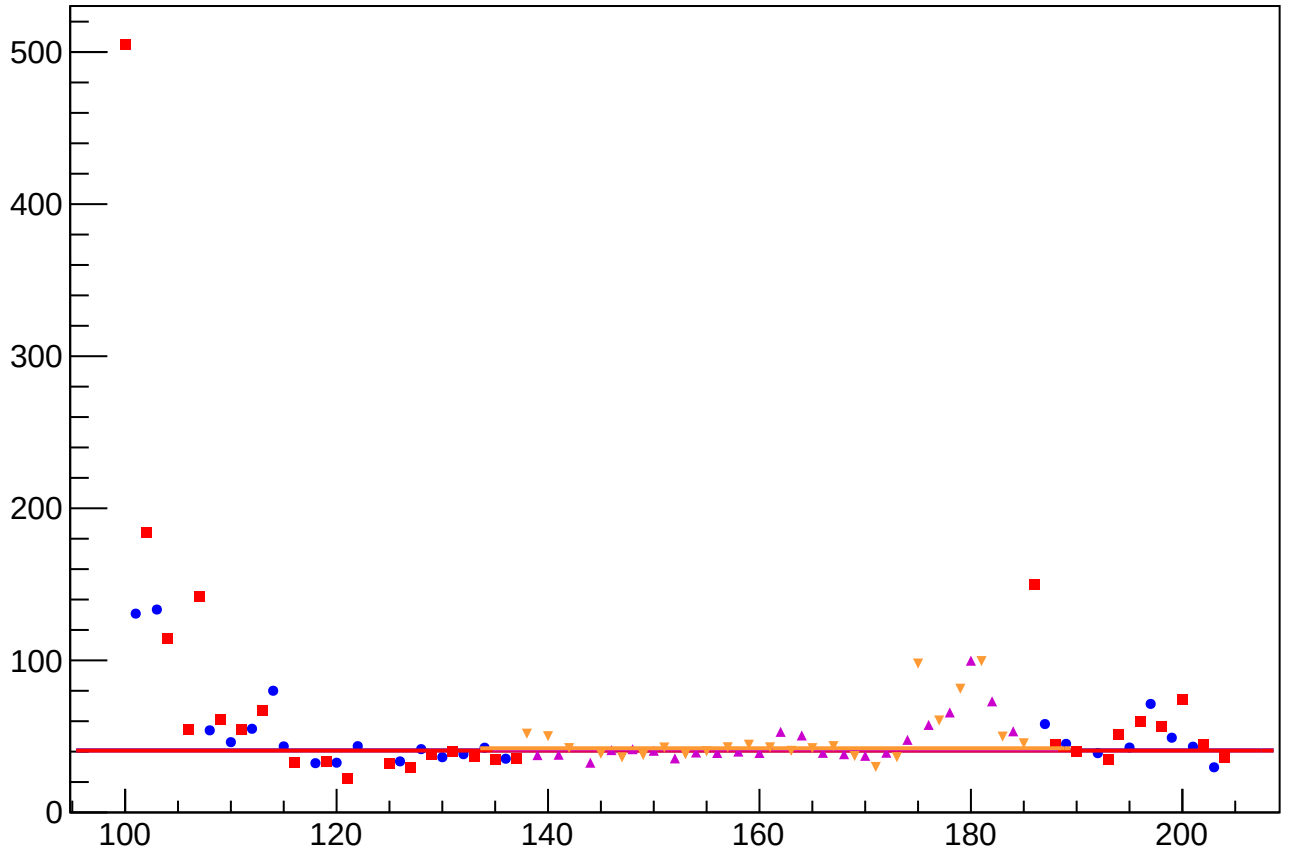
Right Out: -0.004+/-0.012 χ^2/NDF: 17.9/27

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.004+/-0.008 χ^2/NDF: 54.6/47

All: -0.001+/-0.006 χ^2/NDF: 93.2/98

- sign -0.005+/-0.008 χ^2/NDF: 38.0/50



Right In: 40.802+/-0.009 χ^2/NDF: 1921726.7/23

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

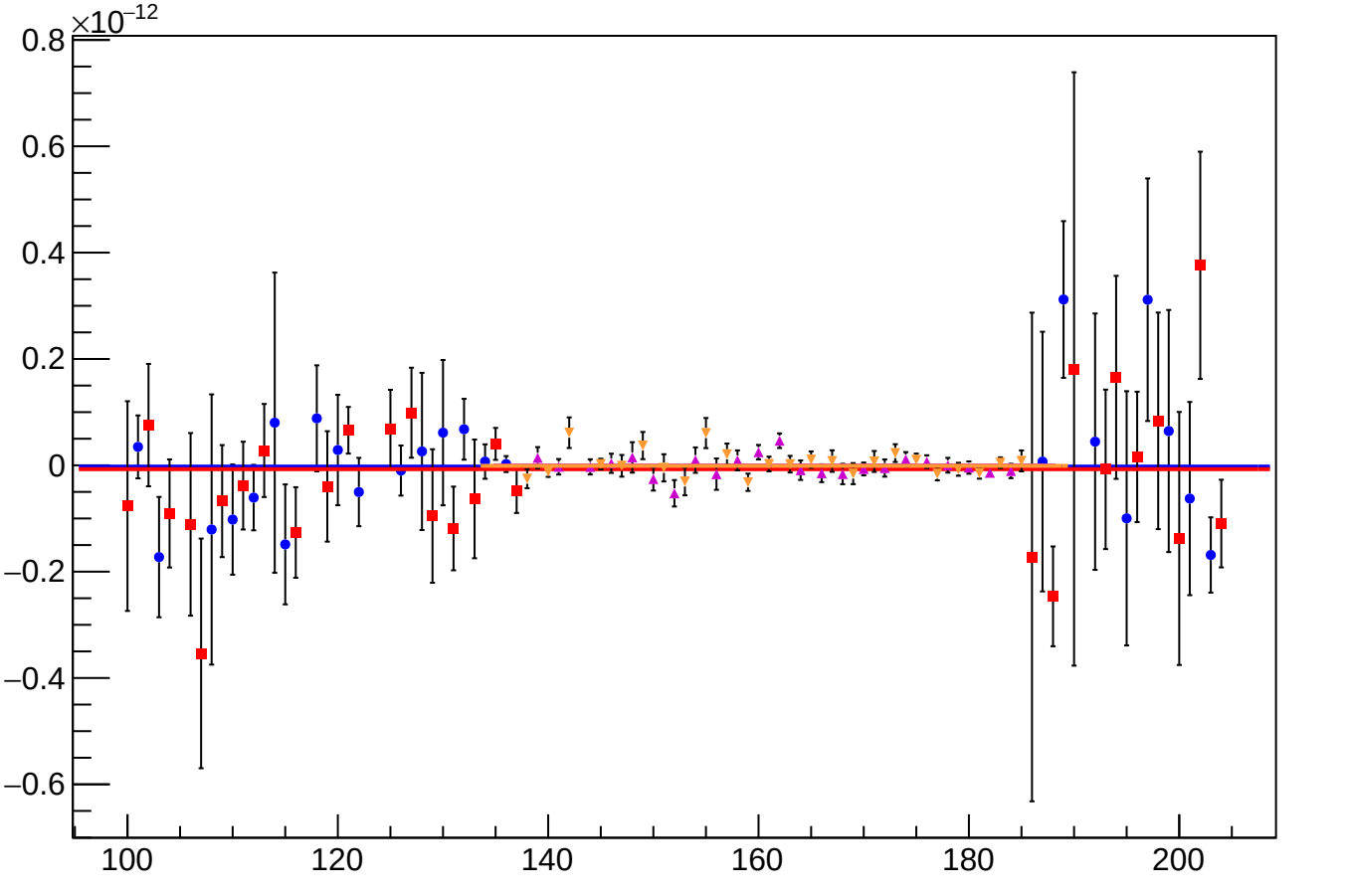
Right Out: 40.691+/-0.009 χ^2/NDF: 3078237.8/27

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.616+/-0.006 χ^2/NDF: 3755055.7/47

All: 41.356+/-0.004 χ^2/NDF: 8253178.1/98

- sign 41.108+/-0.006 χ^2/NDF: 4494300.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

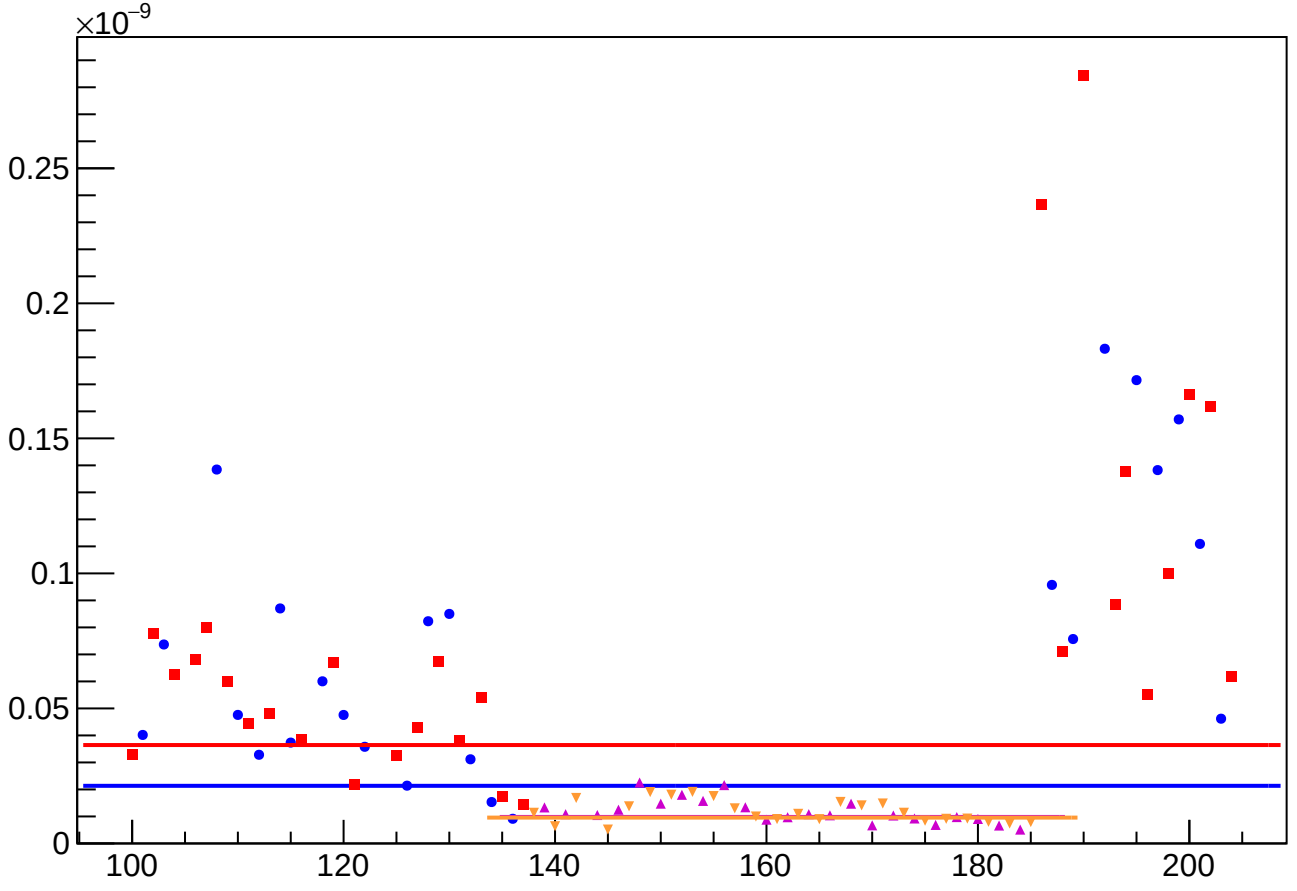
Right Out: -0.000+/-0.000 χ^2/NDF: 31.4/27

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.8/47

All: -0.000+/-0.000 χ^2/NDF: 111.7/98

- sign -0.000+/-0.000 χ^2/NDF: 59.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 8265607.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6219396.4/27

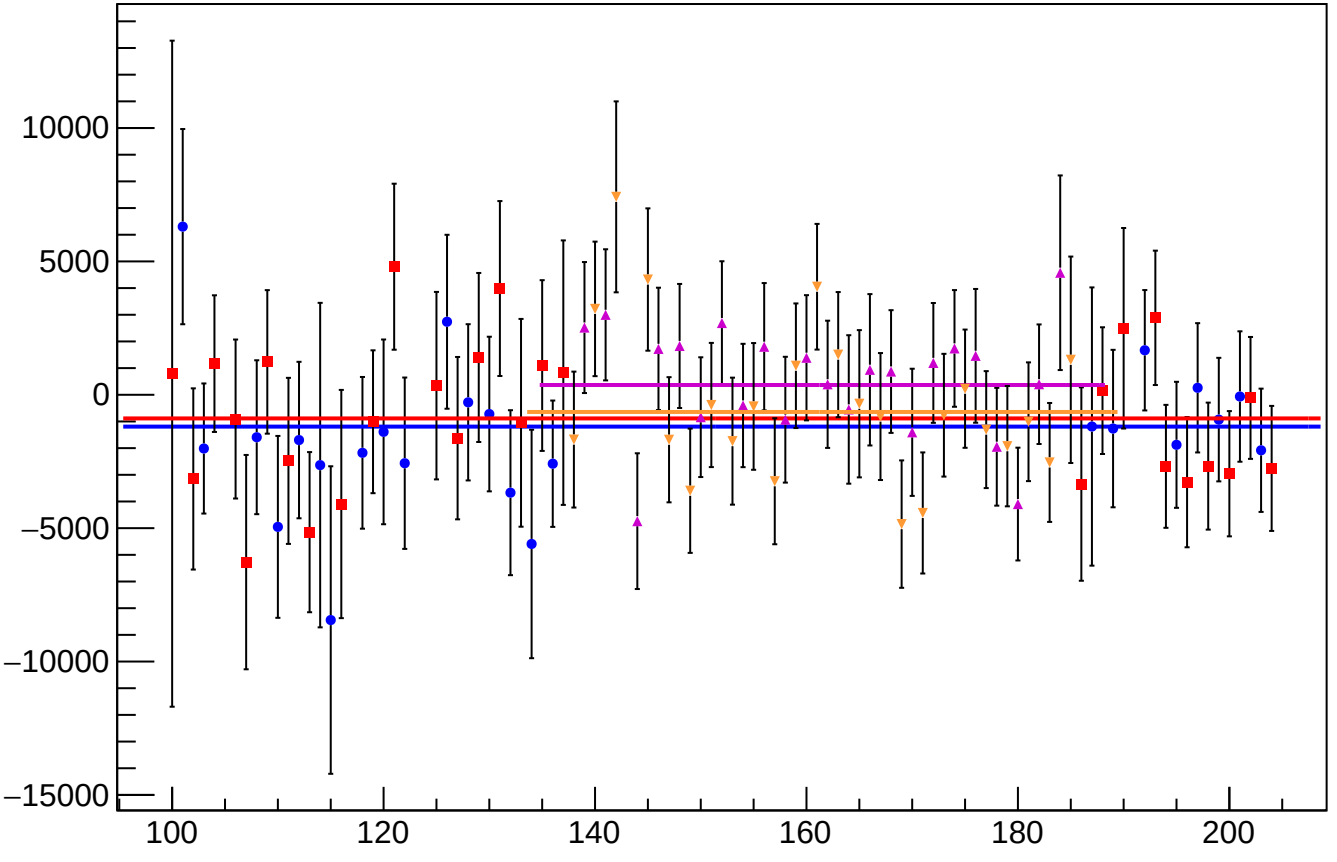
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12735656.2/47

All: 0.000+/-0.000 χ^2/NDF: 26892366.8/98

- sign 0.000+/-0.000 χ^2/NDF: 14128704.3/50

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1193.024+/-594.204 χ^2/NDF: 13.6/23

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -886.049+/-556.854 χ^2/NDF: 20.5/27

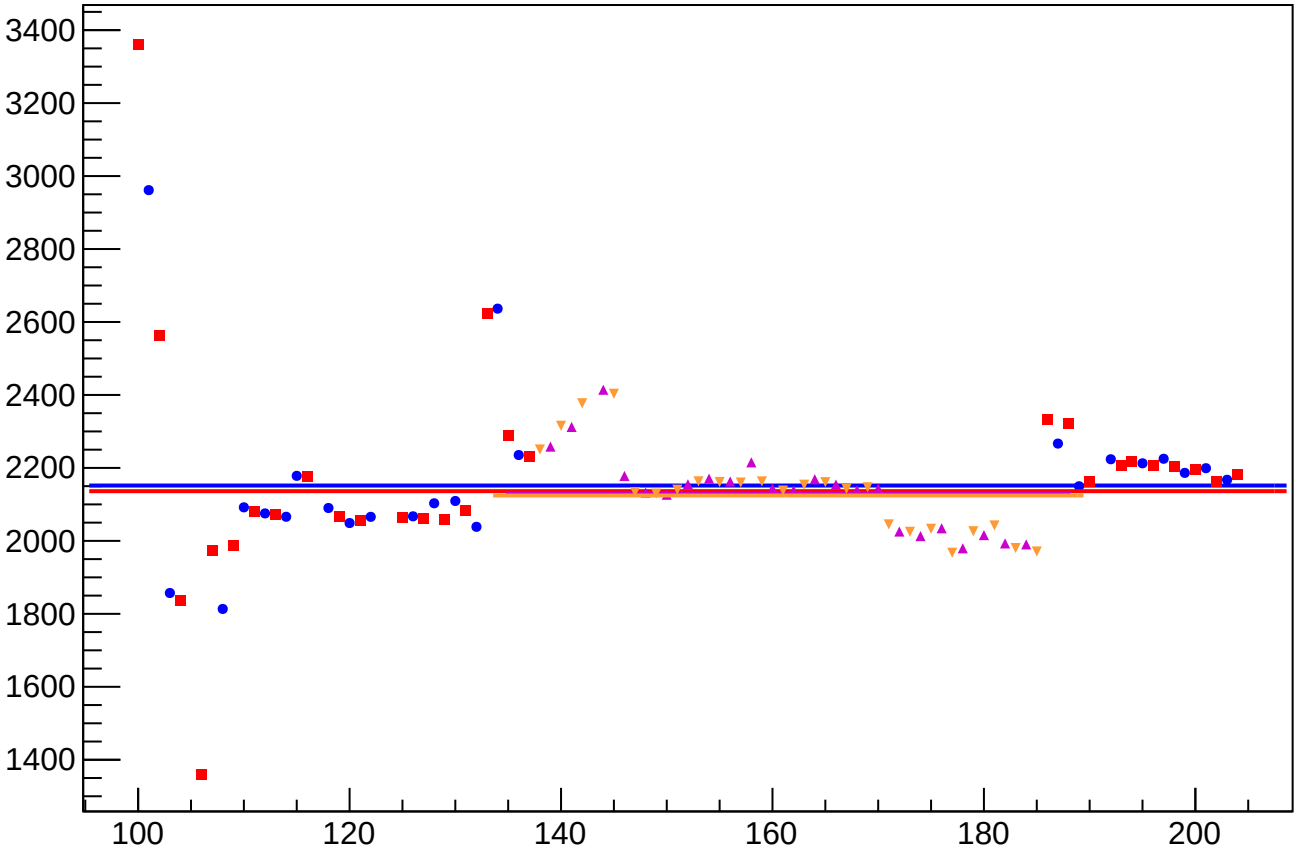
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -868.099+/-379.724 χ^2/NDF: 41.2/47

All: -521.237+/-265.428 χ^2/NDF: 83.4/98

- sign -189.834+/-371.166 χ^2/NDF: 40.6/50

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2151.733+/-0.420 χ^2/NDF: 201749.1/23

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

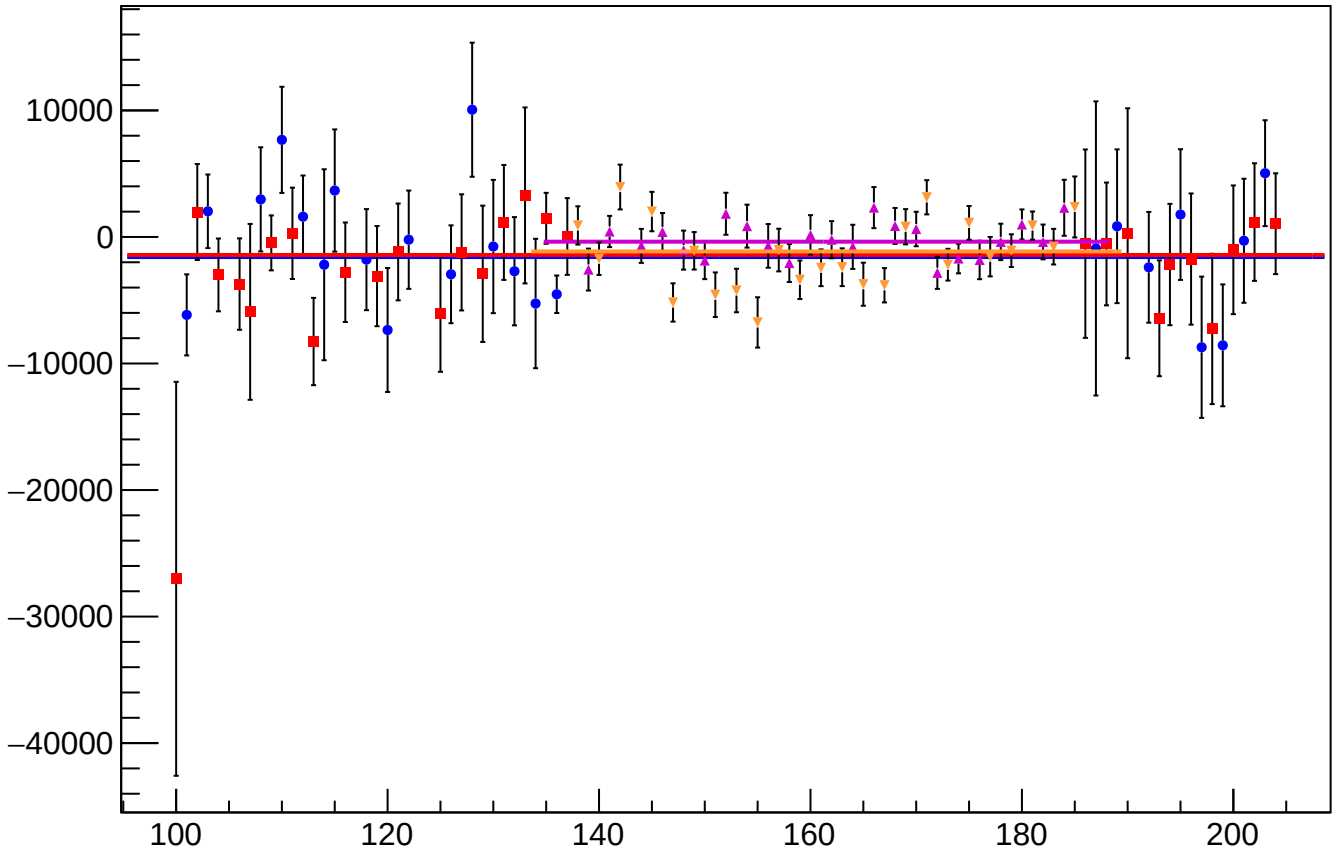
Right Out: 2136.277+/-0.394 χ^2/NDF: 295464.0/27

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2135.584+/-0.269 χ^2/NDF: 293430.0/47

All: 2134.125+/-0.188 χ^2/NDF: 674452.1/98

- sign 2132.731+/-0.262 χ^2/NDF: 380964.4/50



Right In: -1587.962+/-780.244 χ^2/NDF: 29.8/23

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: -1423.147+/-747.154 χ^2/NDF: 16.4/27

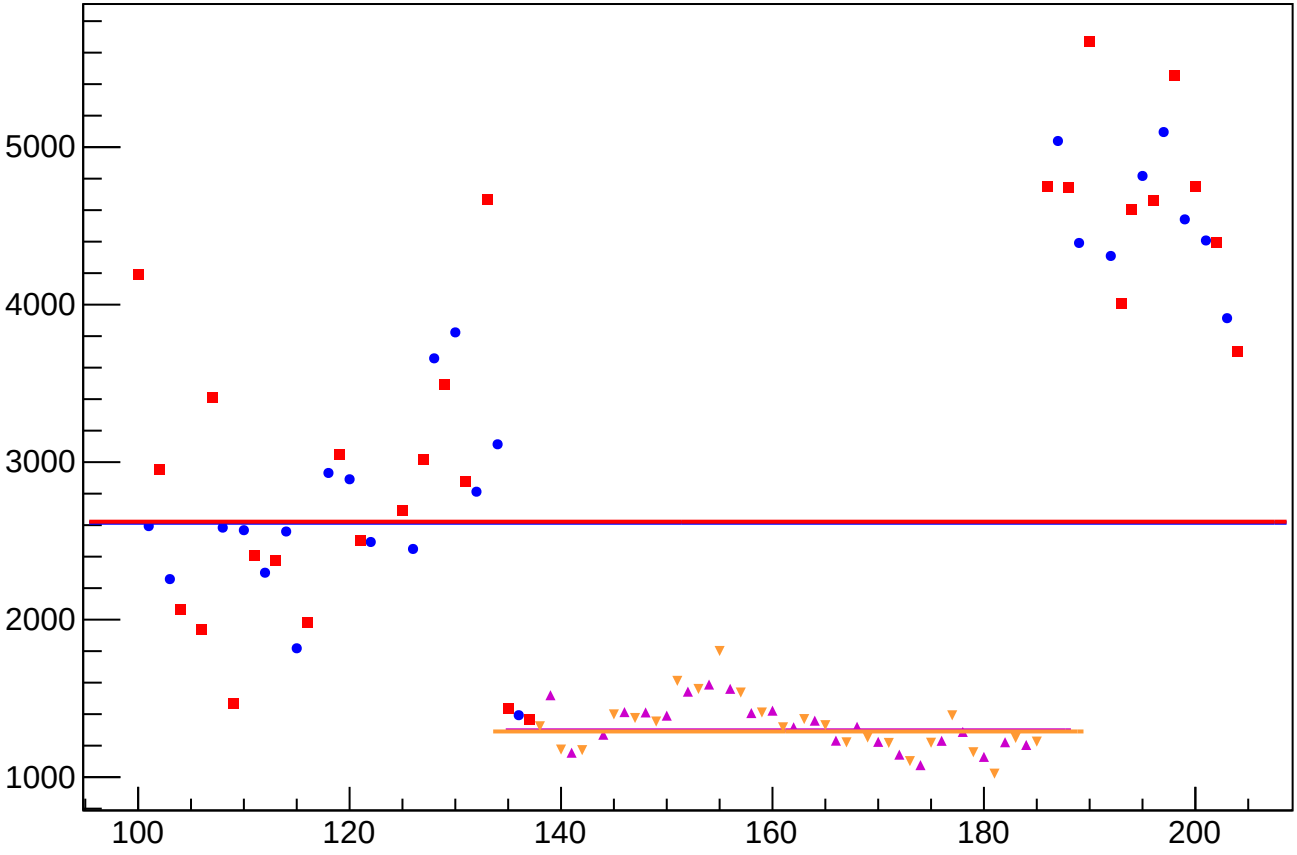
Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1202.718+/-282.035 χ^2/NDF: 97.6/47

All: -863.922+/-199.656 χ^2/NDF: 138.9/98

- sign -523.578+/-282.678 χ^2/NDF: 38.4/50

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2615.191+/-0.552 χ^2/NDF: 3792893.1/23

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2621.989+/-0.528 χ^2/NDF: 4963717.7/27

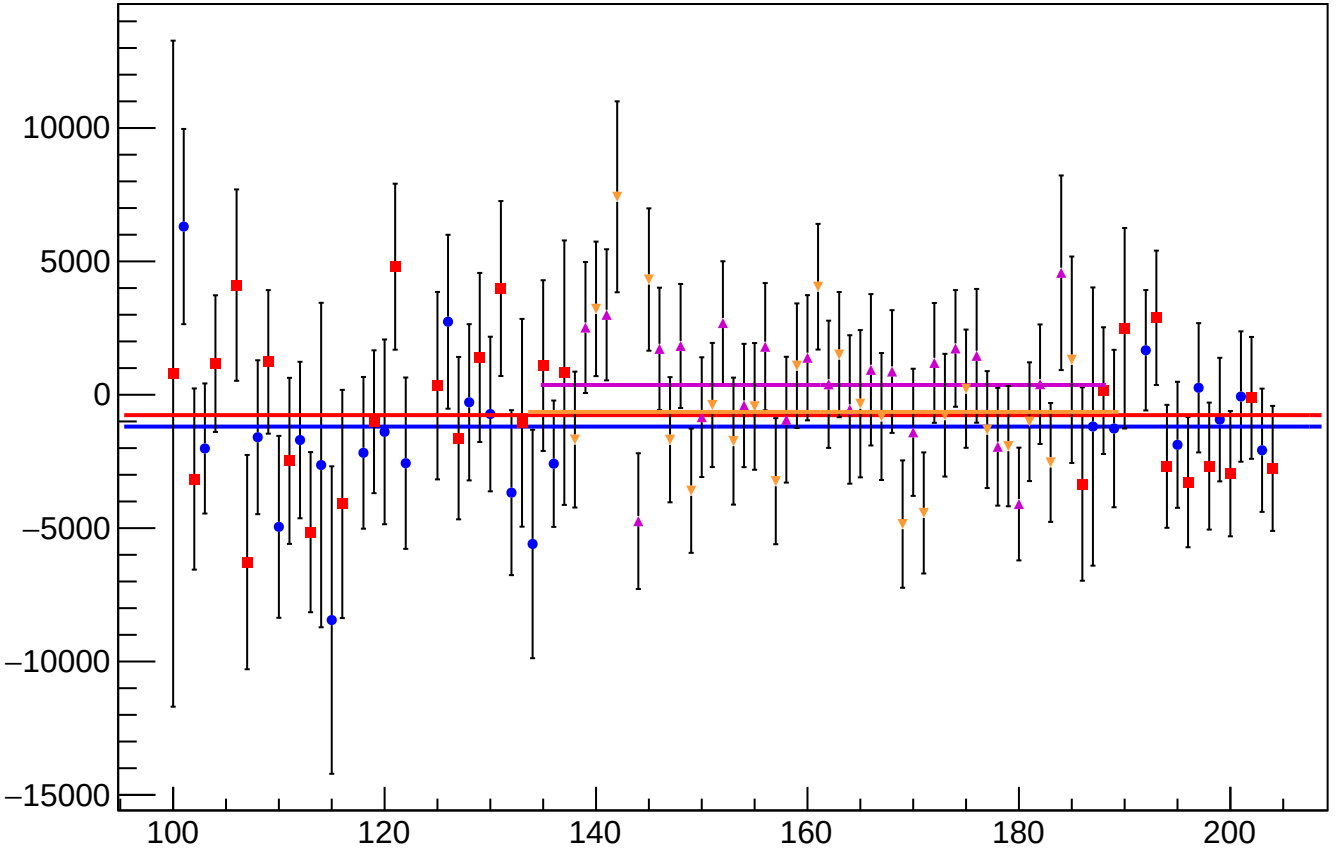
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1463.176+/-0.199 χ^2/NDF: 9376135.4/47

All: 1475.085+/-0.141 χ^2/NDF: 20166739.4/9

- sign 1487.050+/-0.200 χ^2/NDF: 10783455.0/50

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1193.057+/-594.204 χ^2/NDF: 13.6/23

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -763.727+/-559.892 χ^2/NDF: 22.4/27

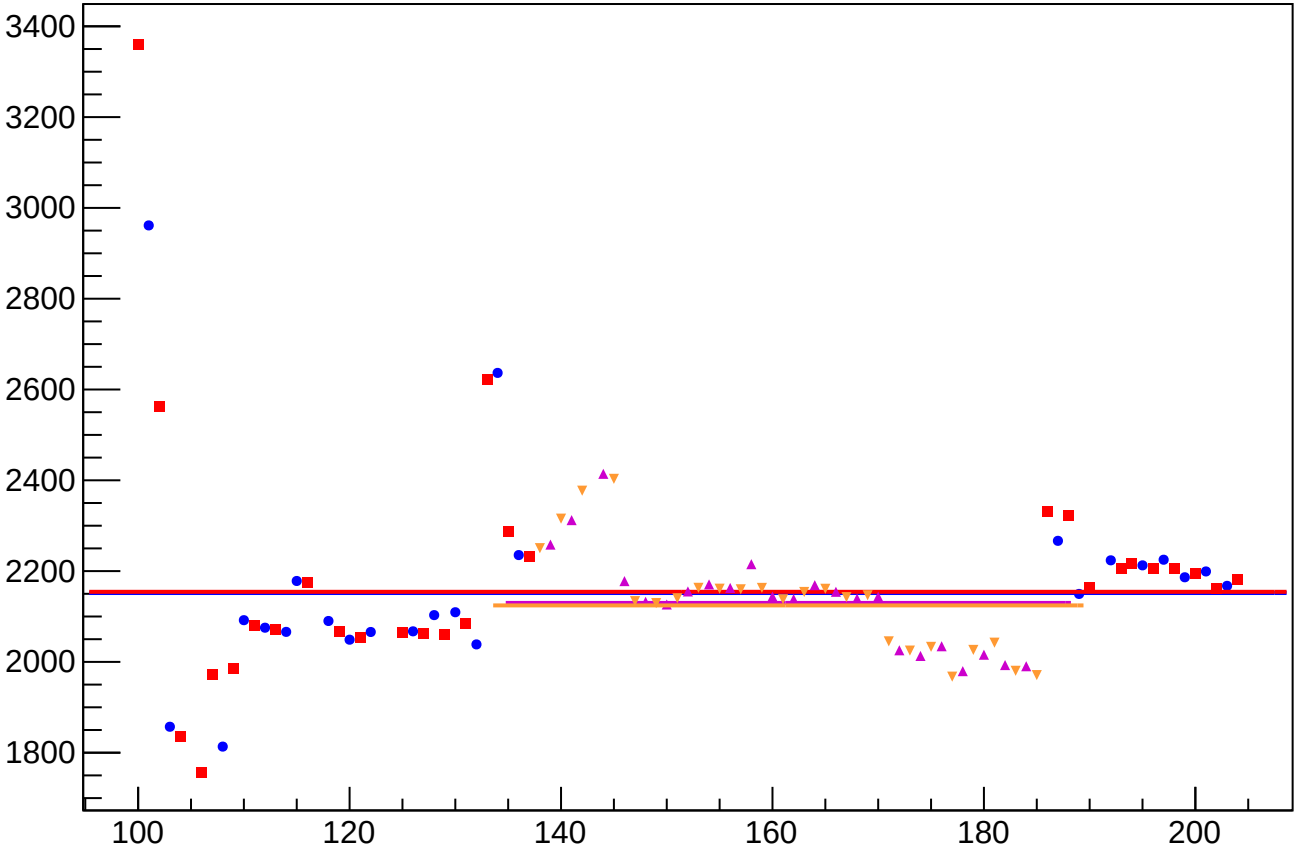
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -868.031+/-379.724 χ^2/NDF: 41.2/47

All: -492.777+/-265.755 χ^2/NDF: 85.1/98

- sign -132.515+/-372.062 χ^2/NDF: 42.0/50

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2151.732+/-0.420 χ^2/NDF: 201749.5/23

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

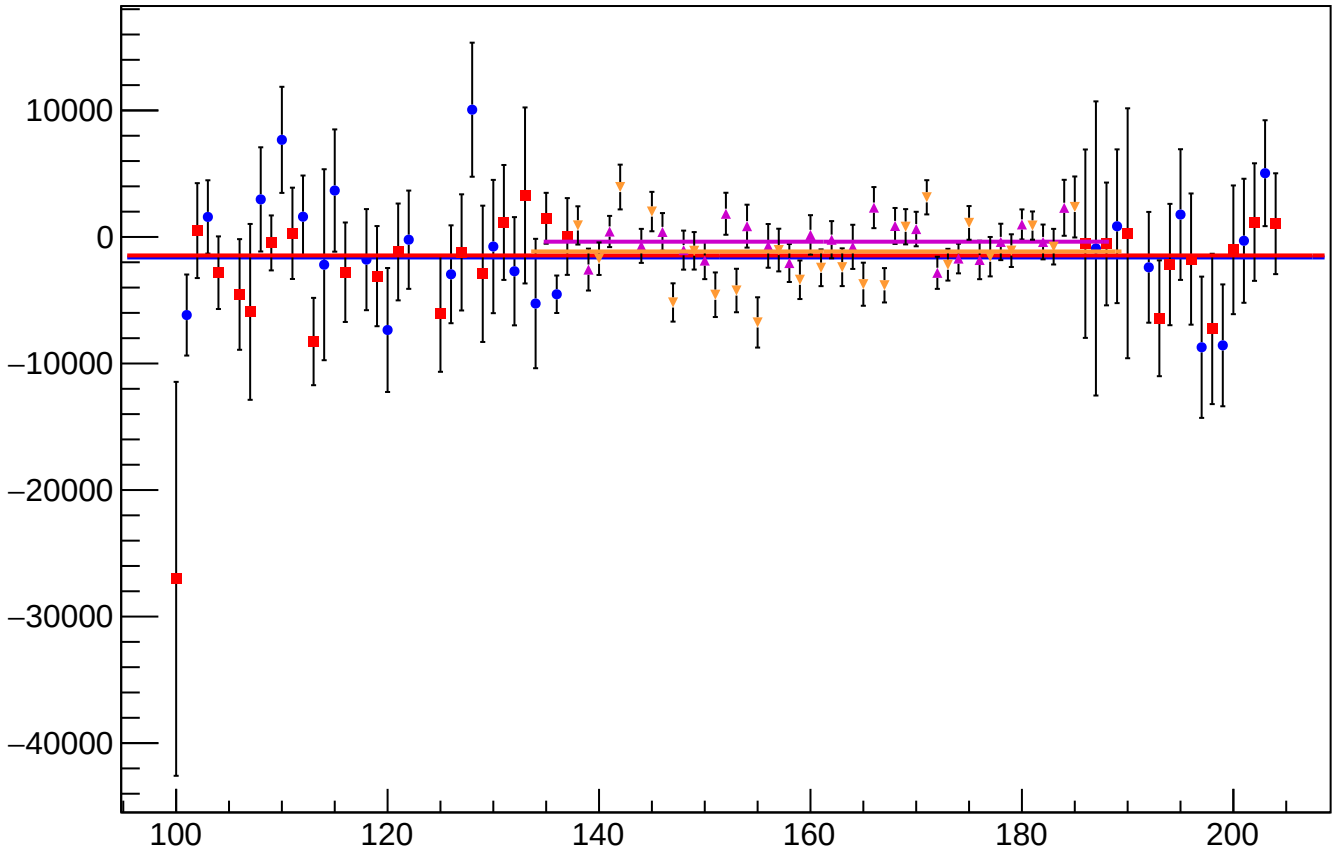
Right Out: 2154.388+/-0.396 χ^2/NDF: 180423.1/27

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

\+ sign 2135.584+/-0.269 χ^2/NDF: 293430.3/47

All: 2138.200+/-0.188 χ^2/NDF: 561530.9/98

\- sign 2140.712+/-0.263 χ^2/NDF: 267914.5/50



Right In: -1619.152+/-780.028 χ^2/NDF: 29.4/23

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

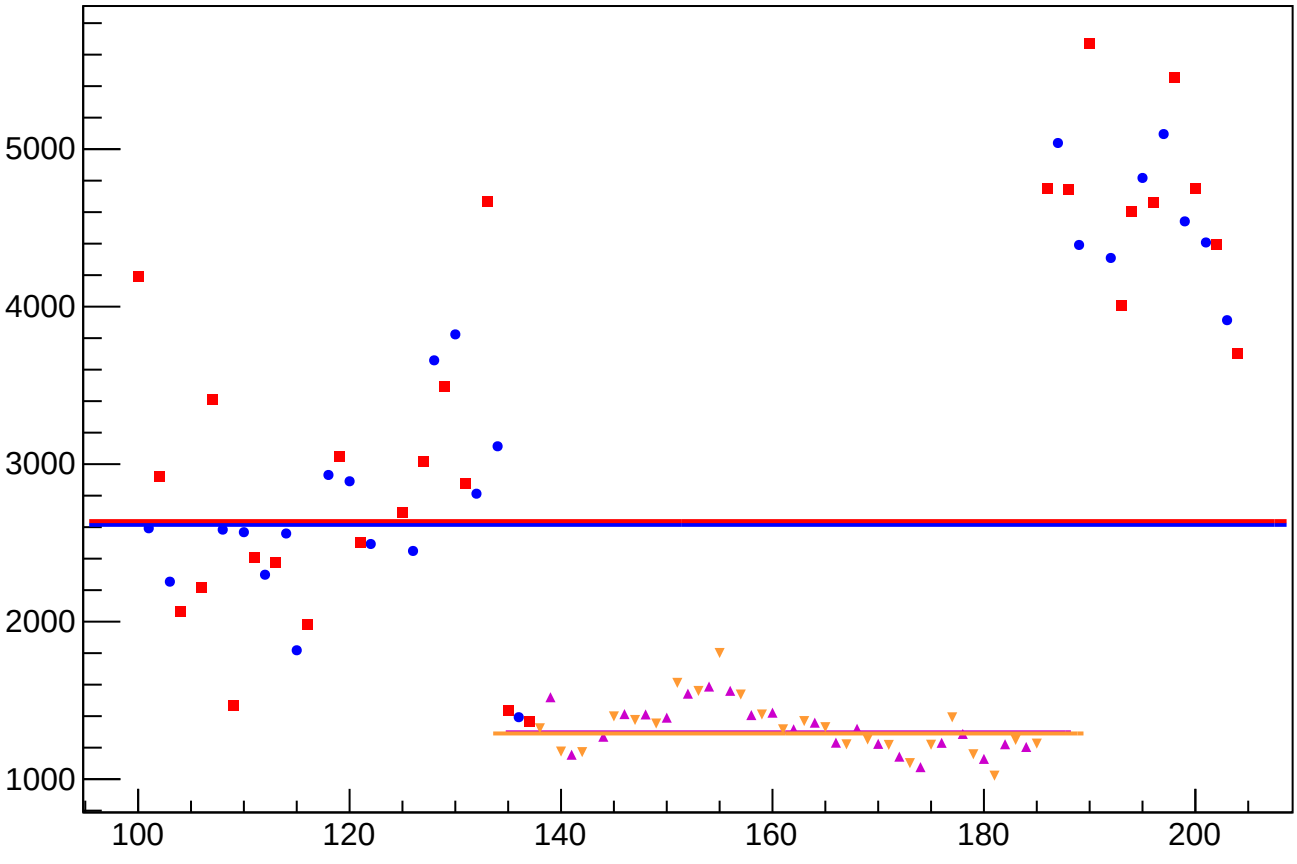
Right Out: -1460.255+/-751.816 χ^2/NDF: 15.9/27

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1206.792+/-282.027 χ^2/NDF: 97.3/47

All: -868.052+/-199.741 χ^2/NDF: 138.2/98

- sign -527.140+/-282.929 χ^2/NDF: 38.0/50



Right In: 2614.690+/-0.552 χ^2/NDF: 3793686.6/23

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

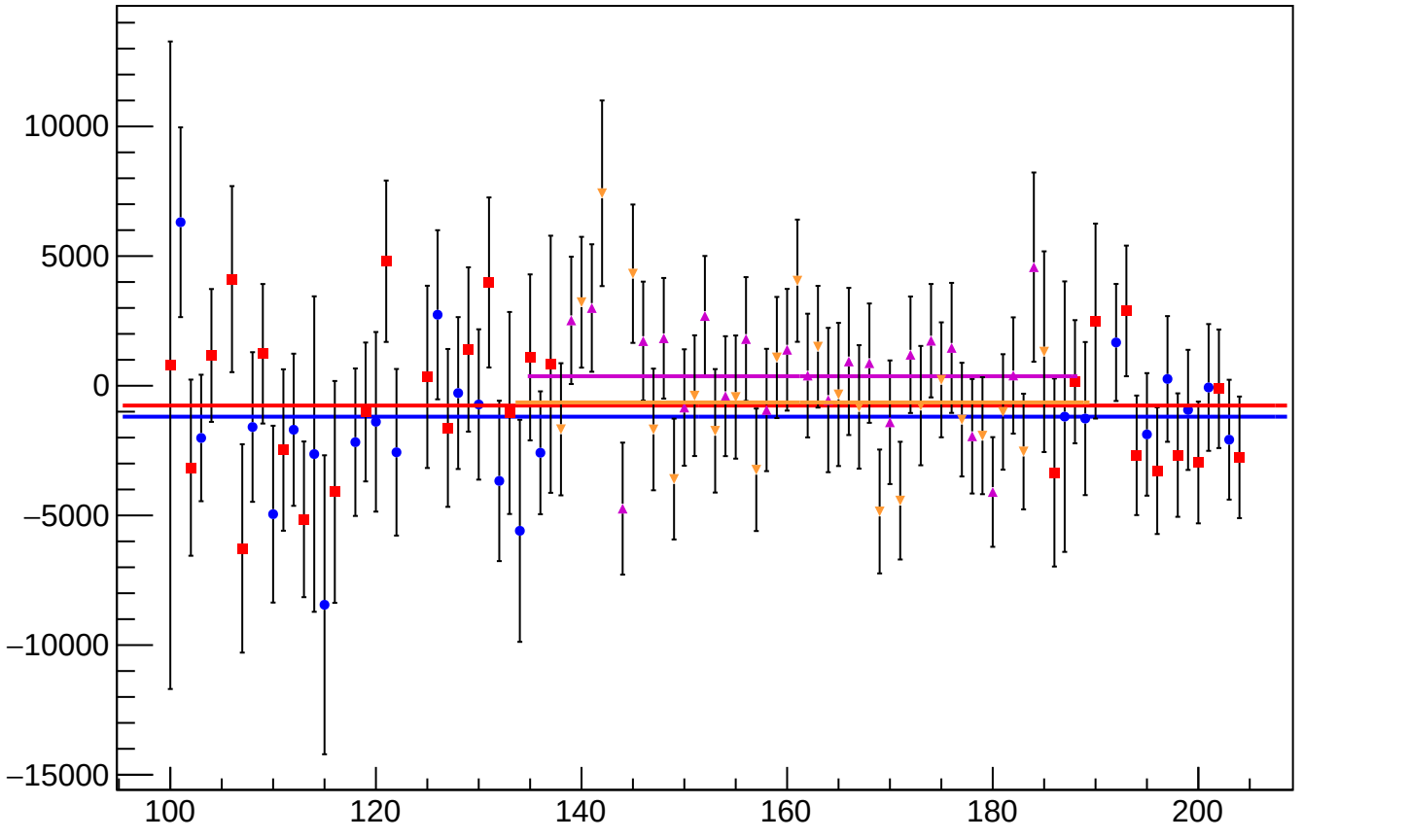
Right Out: 2638.294+/-0.532 χ^2/NDF: 4907301.1/27

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1463.206+/-0.199 χ^2/NDF: 9375388.1/47

All: 1475.239+/-0.141 χ^2/NDF: 20184554.8/9

- sign 1487.350+/-0.200 χ^2/NDF: 10801860.8/50



Right In: -1193.057+/-594.204 χ^2/NDF: 13.6/23

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -763.727+/-559.892 χ^2/NDF: 22.4/27

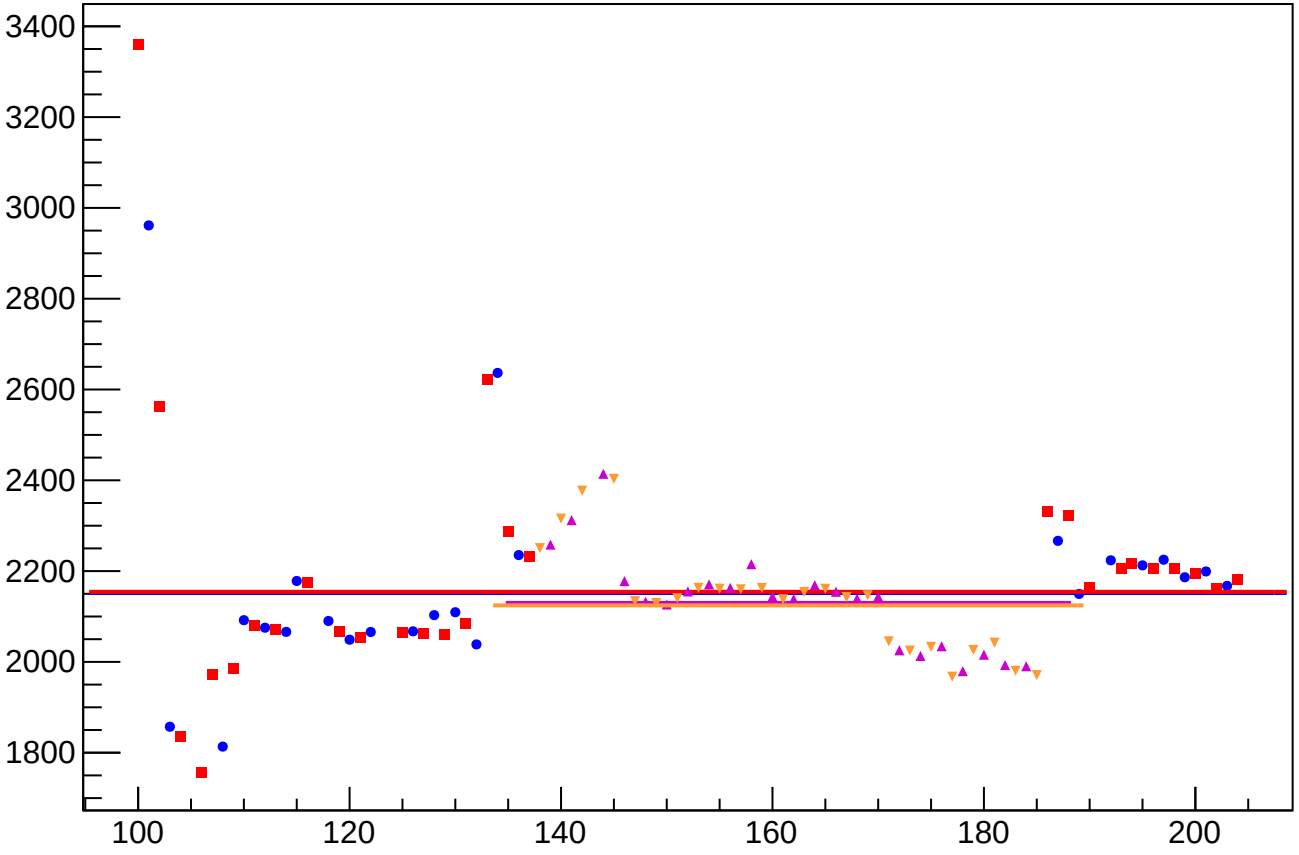
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -868.031+/-379.724 χ^2/NDF: 41.2/47

All: -492.777+/-265.755 χ^2/NDF: 85.1/98

- sign -132.515+/-372.062 χ^2/NDF: 42.0/50

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2151.732+/-0.420 χ^2/NDF: 201749.5/23

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

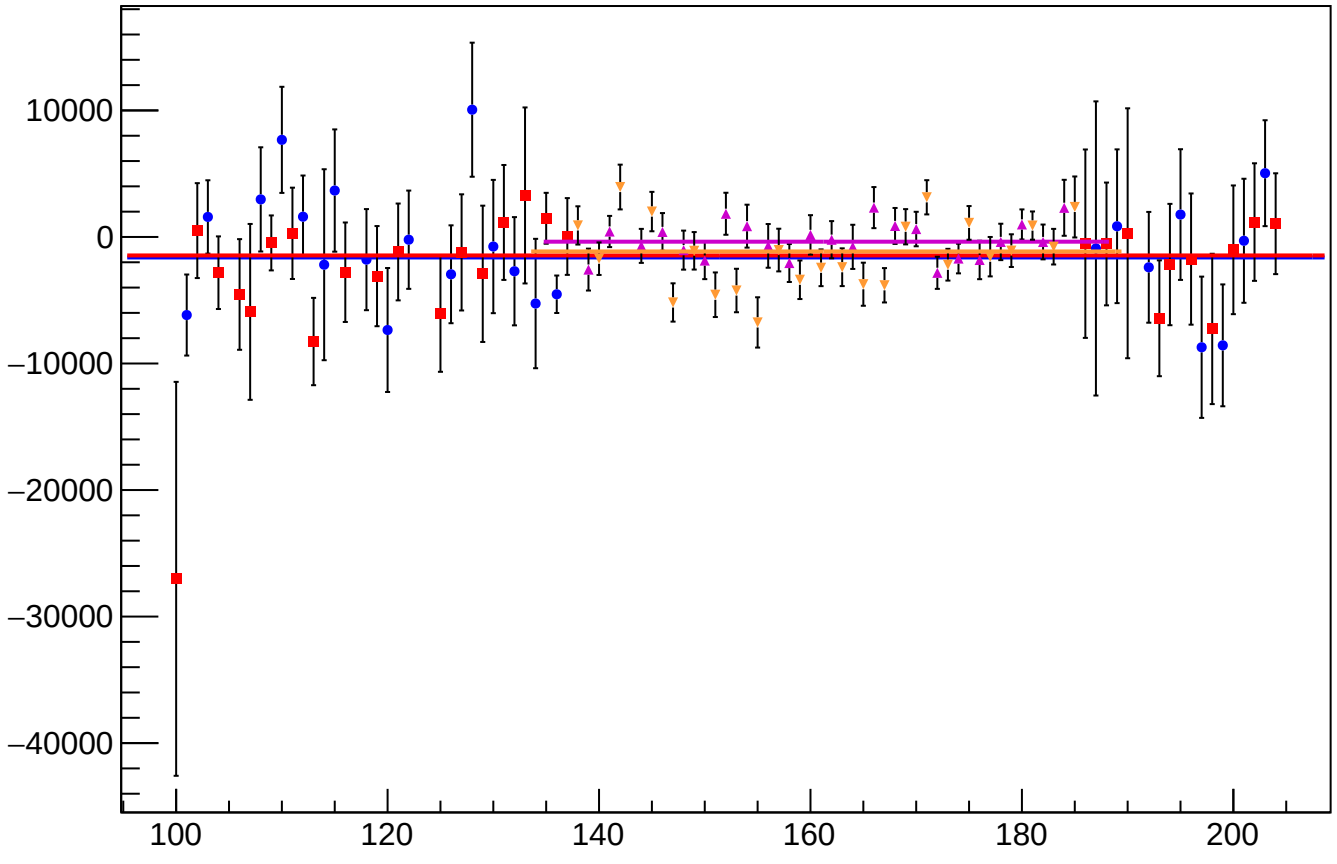
Right Out: 2154.388+/-0.396 χ^2/NDF: 180423.1/27

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

\+ sign 2135.584+/-0.269 χ^2/NDF: 293430.3/47

All: 2138.200+/-0.188 χ^2/NDF: 561530.9/98

\- sign 2140.712+/-0.263 χ^2/NDF: 267914.5/50



Right In: -1619.152+/-780.028 χ^2/NDF: 29.4/23

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

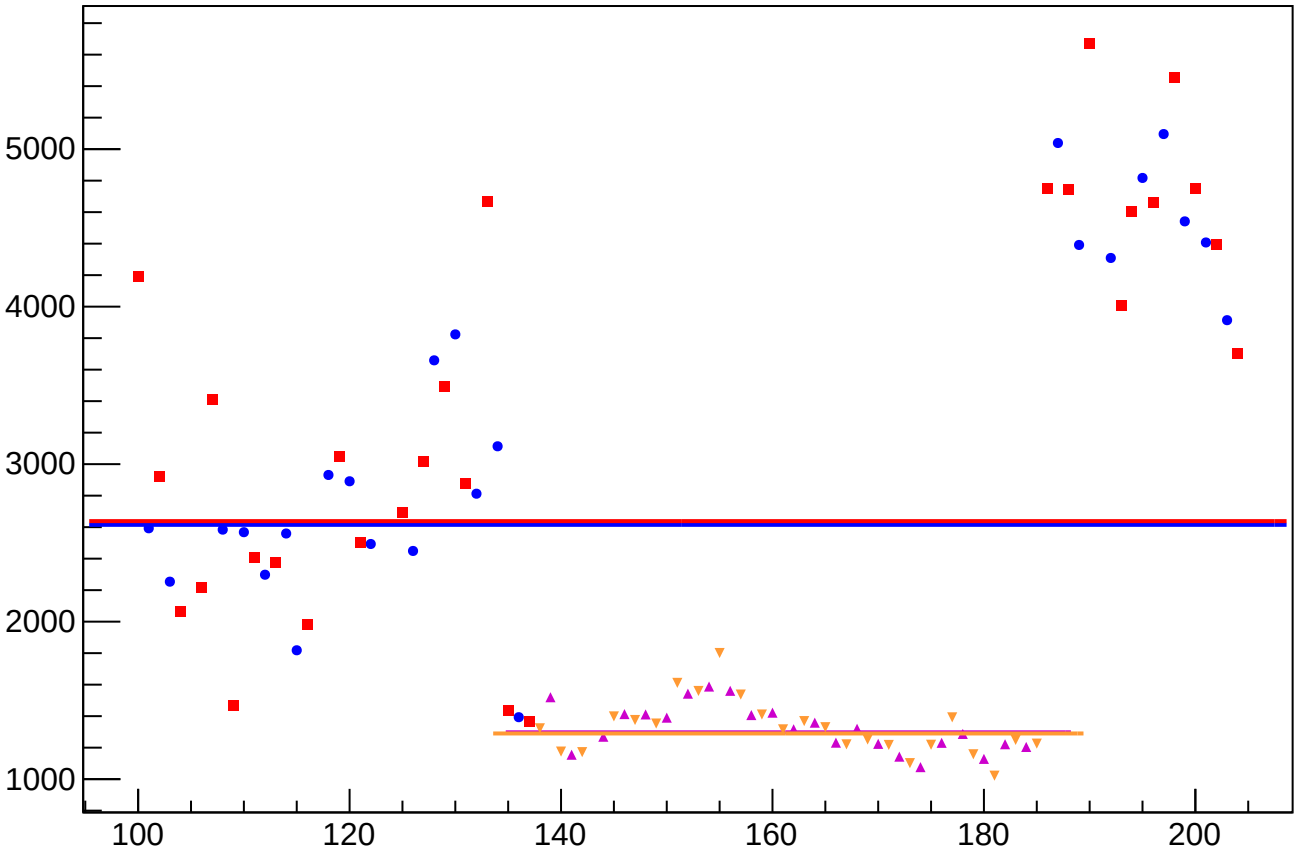
Right Out: -1460.255+/-751.816 χ^2/NDF: 15.9/27

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1206.792+/-282.027 χ^2/NDF: 97.3/47

All: -868.052+/-199.741 χ^2/NDF: 138.2/98

- sign -527.140+/-282.929 χ^2/NDF: 38.0/50



Right In: 2614.690+/-0.552 χ^2/NDF: 3793686.6/23

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

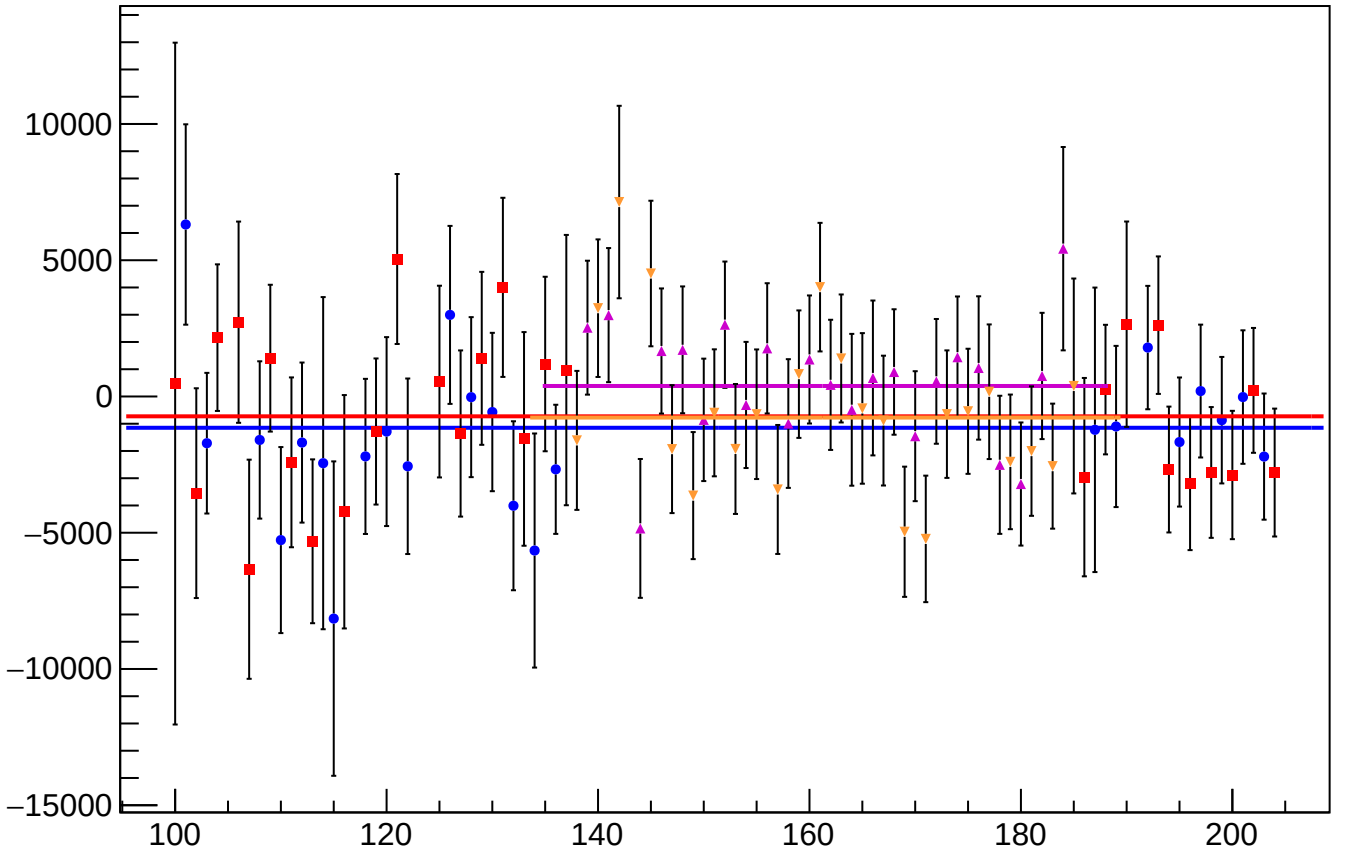
Right Out: 2638.294+/-0.532 χ^2/NDF: 4907301.1/27

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1463.206+/-0.199 χ^2/NDF: 9375388.1/47

All: 1475.239+/-0.141 χ^2/NDF: 20184554.8/9

- sign 1487.350+/-0.200 χ^2/NDF: 10801860.8/50



Right In: -1148.394+/-597.407 χ^2/NDF: 14.2/23

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -728.059+/-564.435 χ^2/NDF: 22.5/27

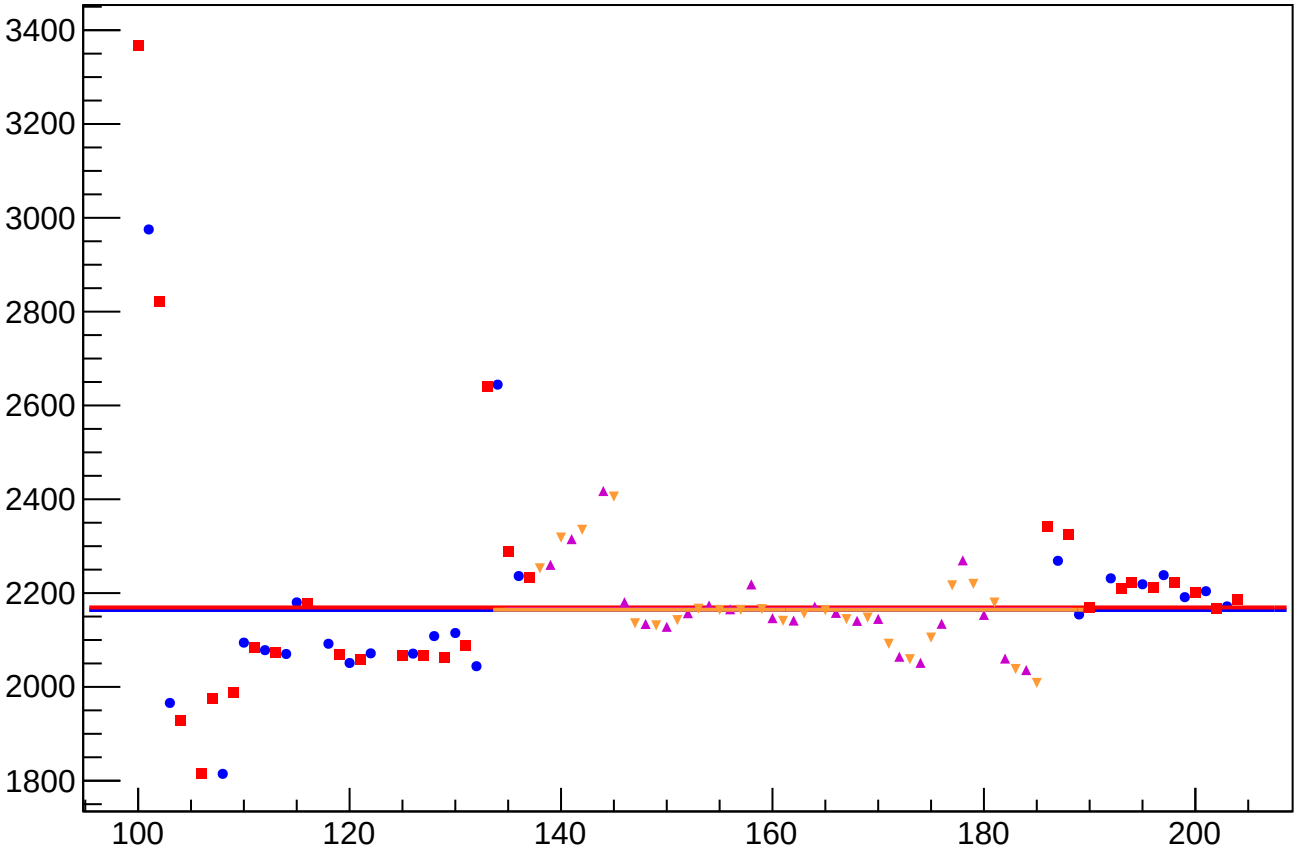
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

\+ sign -928.999+/-384.693 χ^2/NDF: 43.0/47

All: -511.435+/-269.181 χ^2/NDF: 85.6/98

\- sign -110.856+/-376.789 χ^2/NDF: 40.3/50

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2163.998+/-0.422 χ^2/NDF: 185664.4/23

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

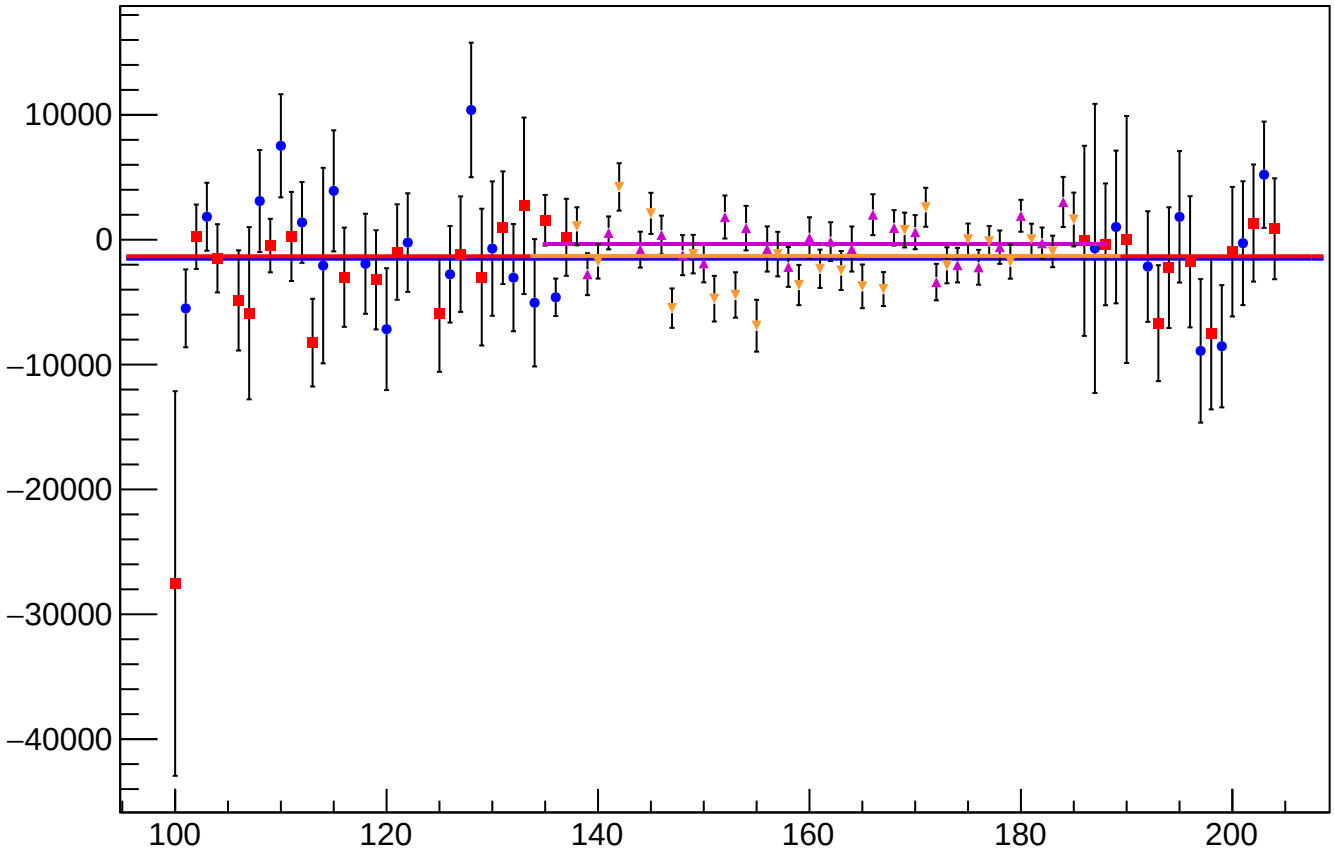
Right Out: 2169.374+/-0.399 χ^2/NDF: 188625.9/27

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2164.311+/-0.272 χ^2/NDF: 236341.6/47

All: 2165.839+/-0.190 χ^2/NDF: 477202.2/98

- sign 2167.306+/-0.266 χ^2/NDF: 240798.8/50



Right In: -1520.066+/-780.430 χ^2/NDF: 29.5/23

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

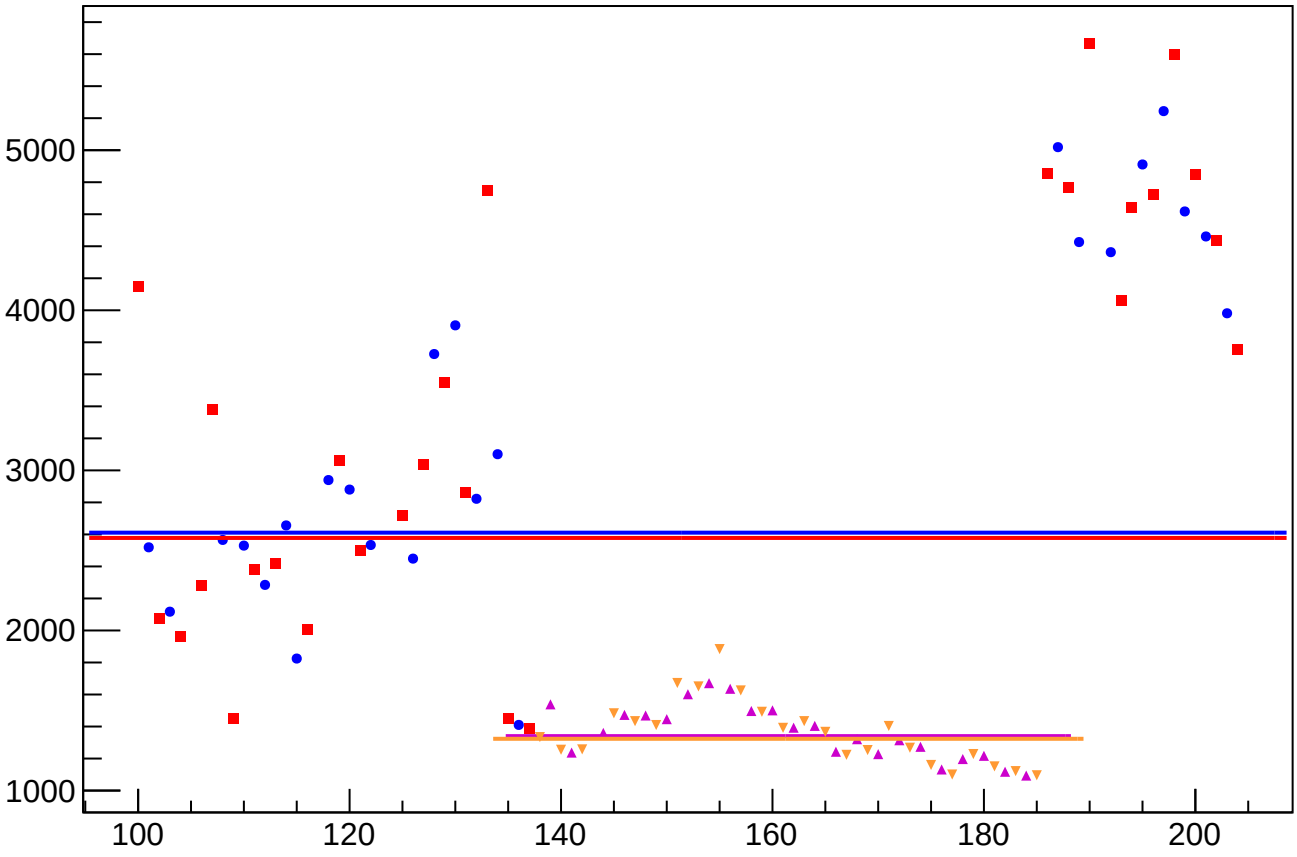
Right Out: -1324.456+/-734.501 χ^2/NDF: 16.2/27

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1324.670+/-288.602 χ^2/NDF: 88.2/47

All: -911.485+/-204.544 χ^2/NDF: 134.8/98

- sign -494.463+/-289.939 χ^2/NDF: 42.4/50



Right In: 2611.038+/-0.552 χ^2/NDF: 3872696.4/23

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2578.018+/-0.519 χ^2/NDF: 5104139.0/27

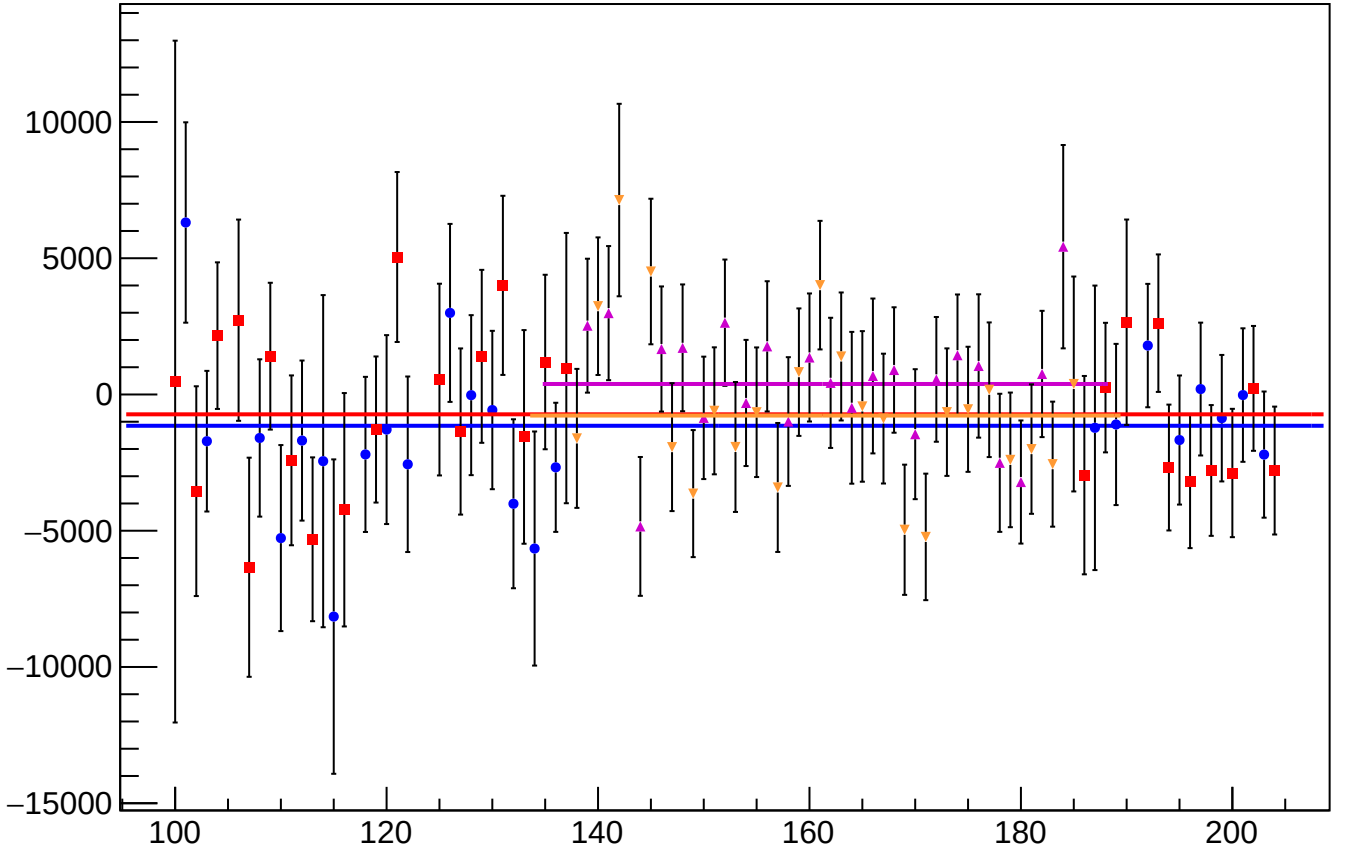
Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1499.488+/-0.204 χ^2/NDF: 9236402.9/47

All: 1516.158+/-0.145 χ^2/NDF: 19644158.2/9

- sign 1532.982+/-0.205 χ^2/NDF: 10394348.8/50

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1148.395+/-597.407 χ^2/NDF: 14.2/23

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -728.059+/-564.434 χ^2/NDF: 22.5/27

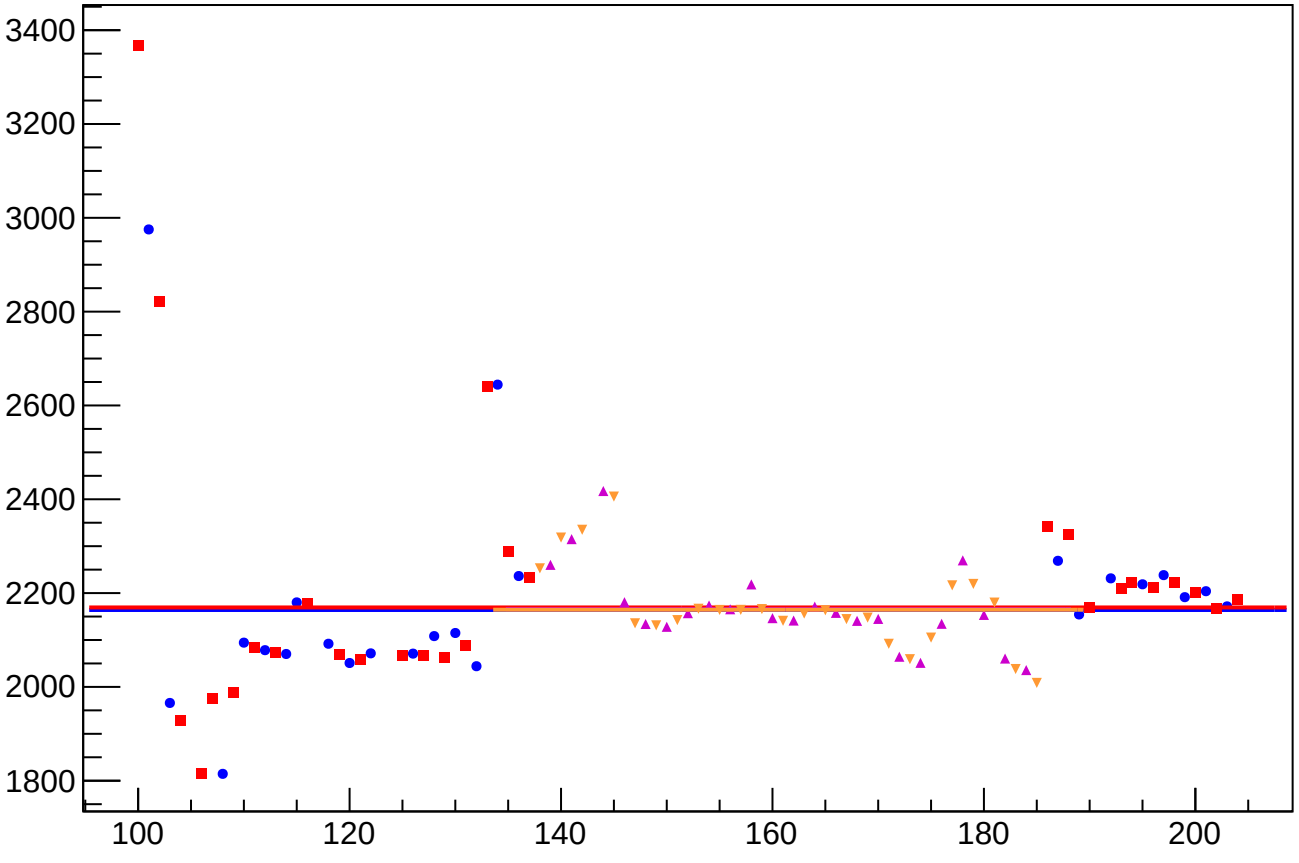
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -928.997+/-384.693 χ^2/NDF: 43.0/47

All: -511.435+/-269.181 χ^2/NDF: 85.6/98

- sign -110.856+/-376.788 χ^2/NDF: 40.3/50

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2163.998+/-0.422 χ^2/NDF: 185664.3/23

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

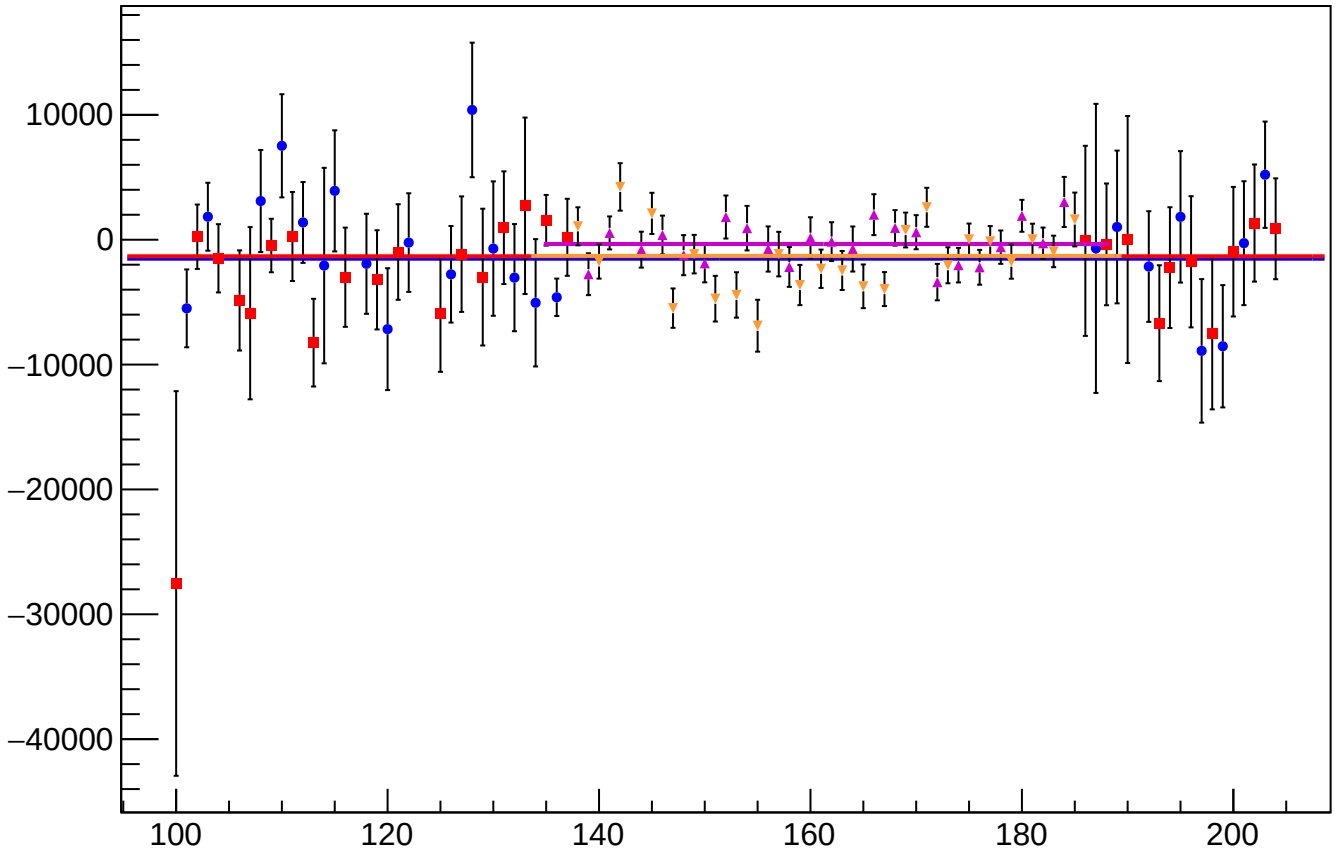
Right Out: 2169.373+/-0.399 χ^2/NDF: 188625.8/27

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2164.310+/-0.272 χ^2/NDF: 236341.5/47

All: 2165.839+/-0.190 χ^2/NDF: 477202.1/98

- sign 2167.305+/-0.266 χ^2/NDF: 240798.7/50



Right In: -1520.054+/-780.432 χ^2/NDF: 29.5/23

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

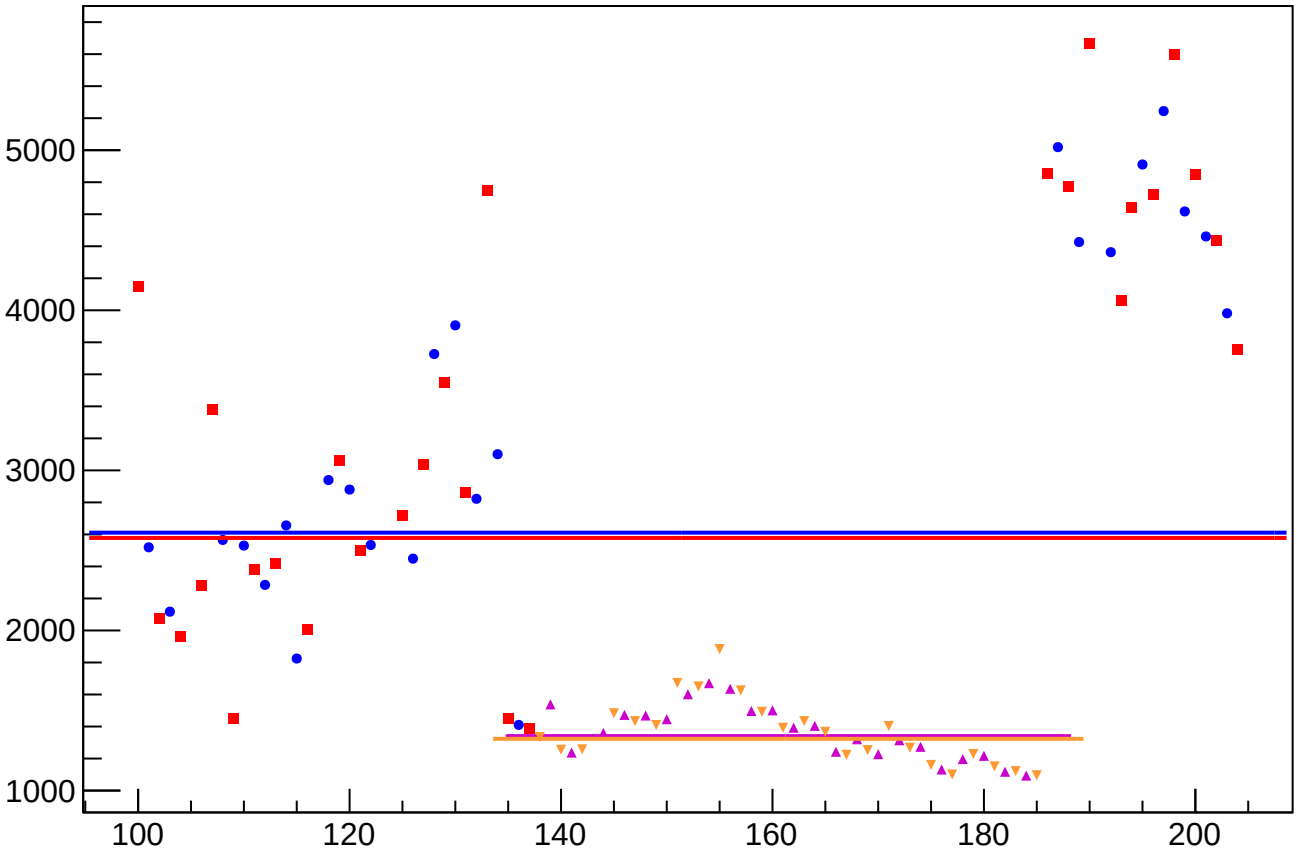
Right Out: -1324.470+/-734.503 χ^2/NDF: 16.2/27

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1324.669+/-288.602 χ^2/NDF: 88.2/47

All: -911.483+/-204.544 χ^2/NDF: 134.8/98

- sign -494.462+/-289.939 χ^2/NDF: 42.4/50



Right In: 2611.050+/-0.552 χ^2/NDF: 3872610.9/23

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2578.030+/-0.519 χ^2/NDF: 5104055.5/27

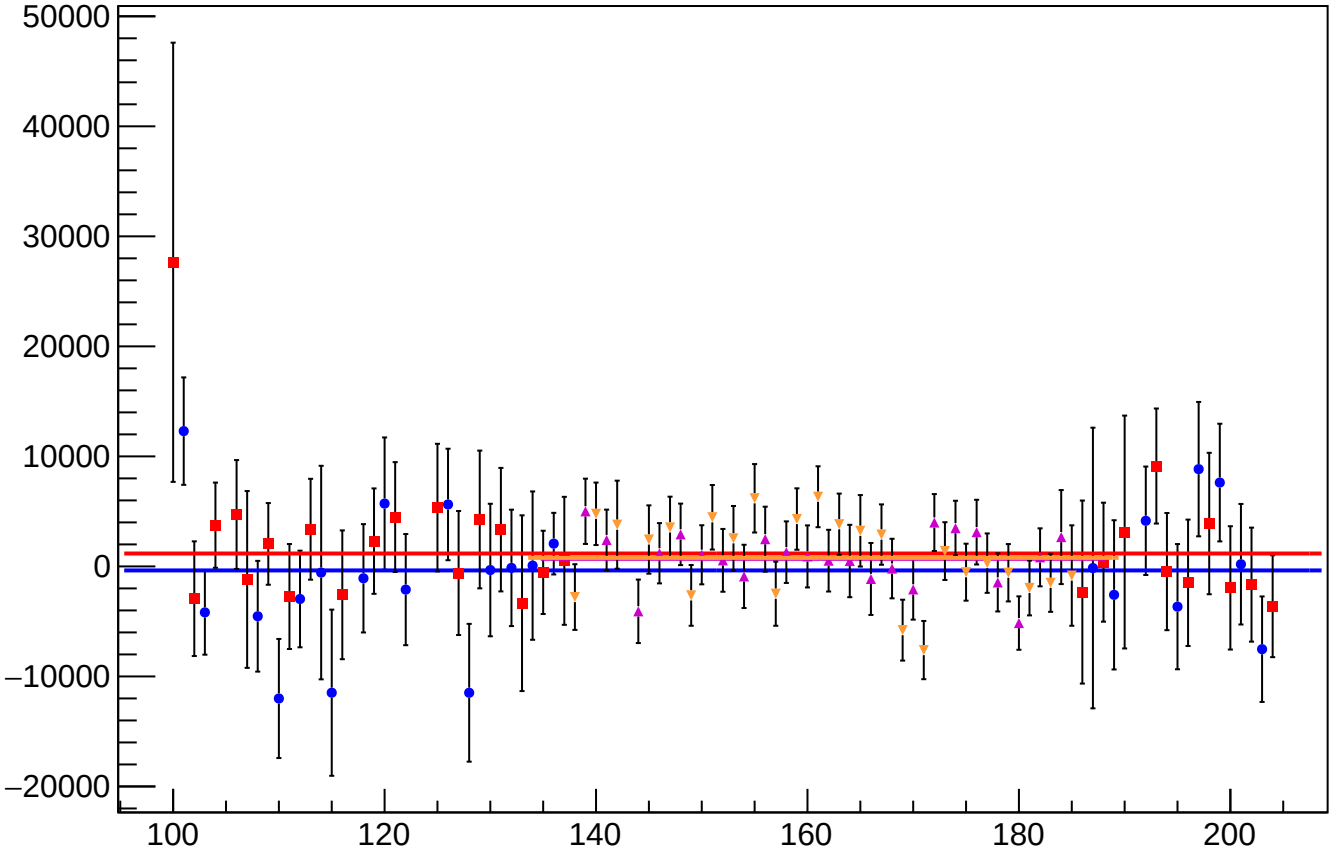
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1499.489+/-0.204 χ^2/NDF: 9236385.1/47

All: 1516.158+/-0.145 χ^2/NDF: 19644150.8/9

- sign 1532.982+/-0.205 χ^2/NDF: 10394360.2/50

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -364.637+/-1061.729 χ^2/NDF: 30.0/23

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 1173.129+/-1013.956 χ^2/NDF: 11.6/27

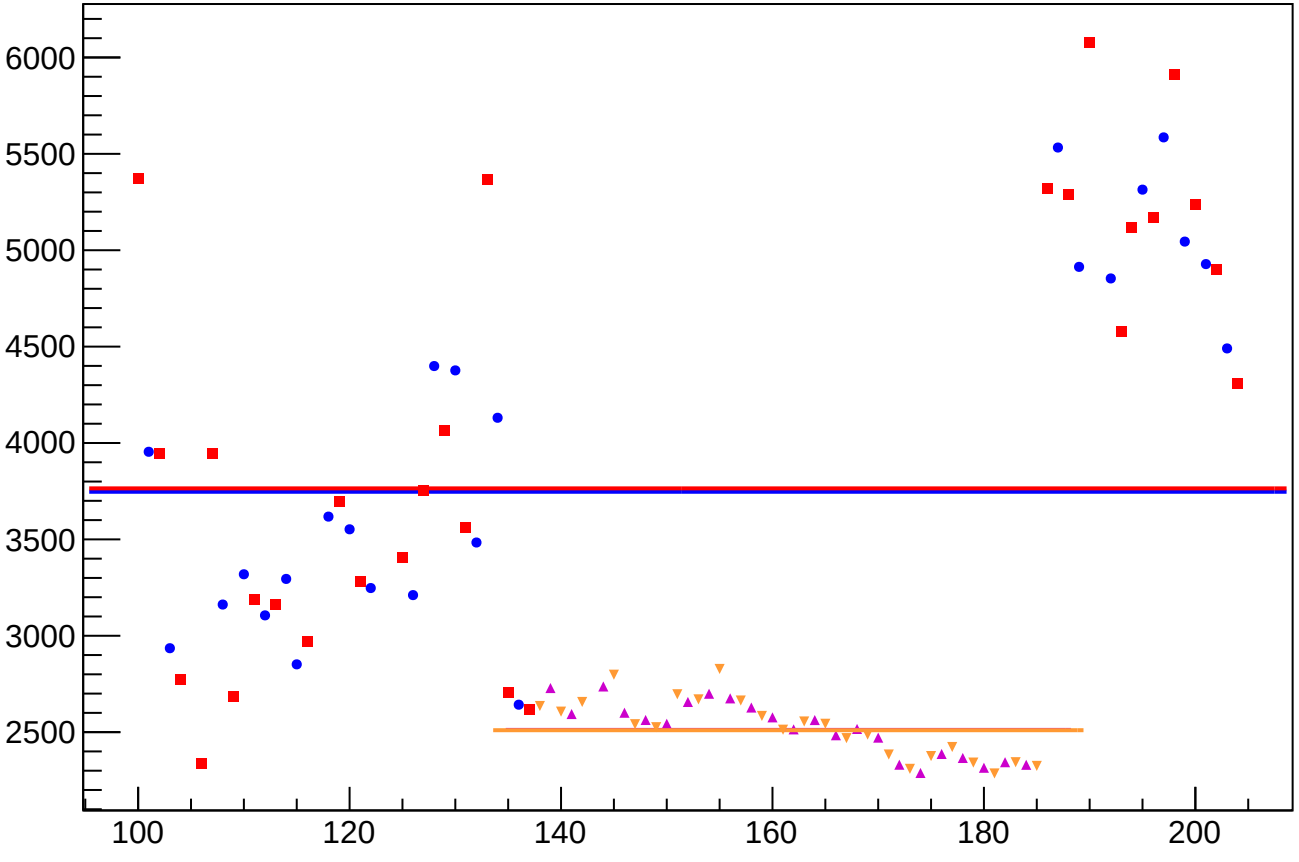
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

\+ sign 510.341+/-511.493 χ^2/NDF: 70.3/47

All: 661.813+/-360.543 χ^2/NDF: 100.5/98

\- sign 811.394+/-508.290 χ^2/NDF: 30.1/50

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3747.074+/-0.751 χ^2/NDF: 1409887.7/23

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

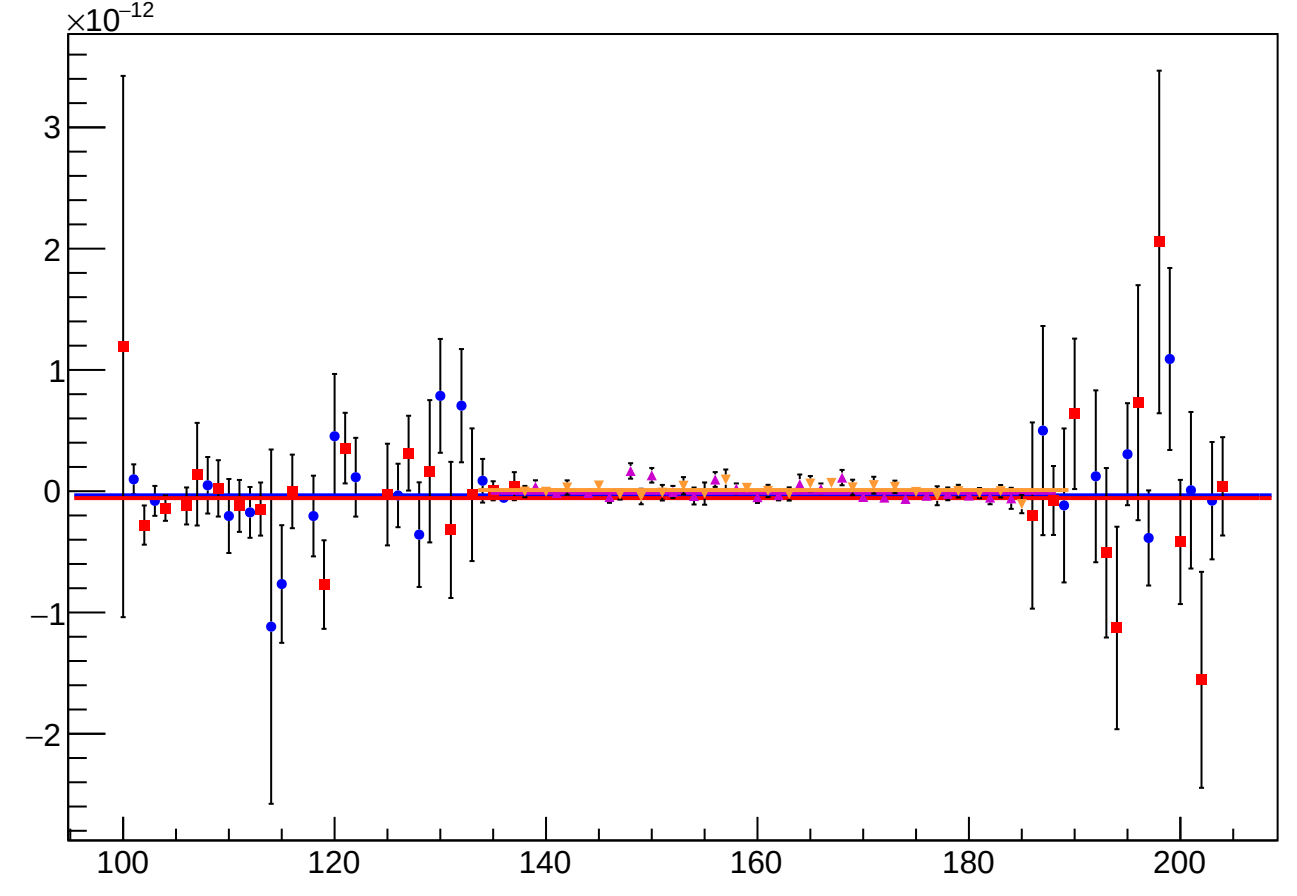
Right Out: 3764.601+/-0.717 χ^2/NDF: 2039456.4/27

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2797.163+/-0.362 χ^2/NDF: 3623288.3/47

All: 2811.918+/-0.255 χ^2/NDF: 8066204.7/98

- sign 2826.488+/-0.359 χ^2/NDF: 4439608.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

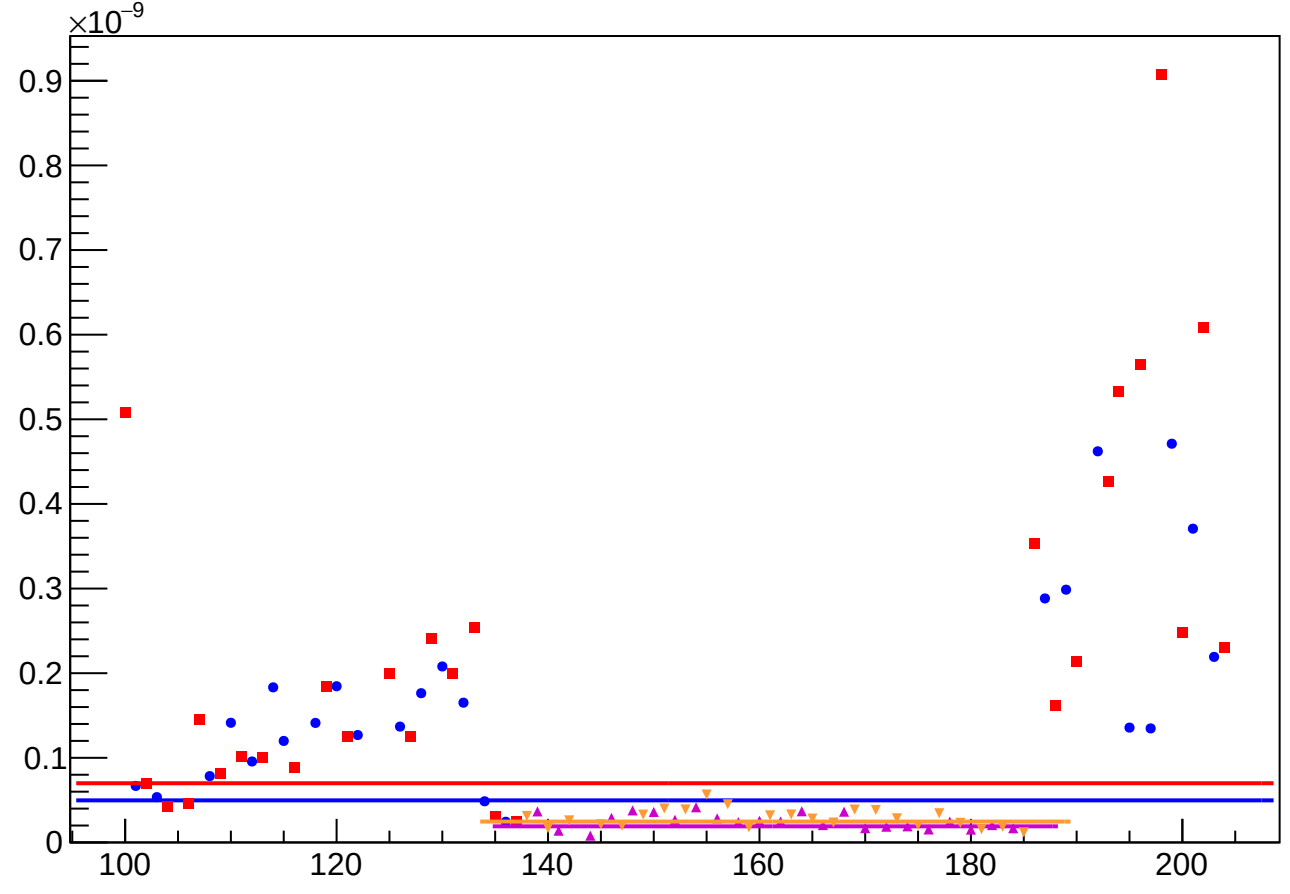
Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/27

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.0/47

All: -0.000+/-0.000 χ^2/NDF: 87.9/98

- sign -0.000+/-0.000 χ^2/NDF: 54.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 4974293.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

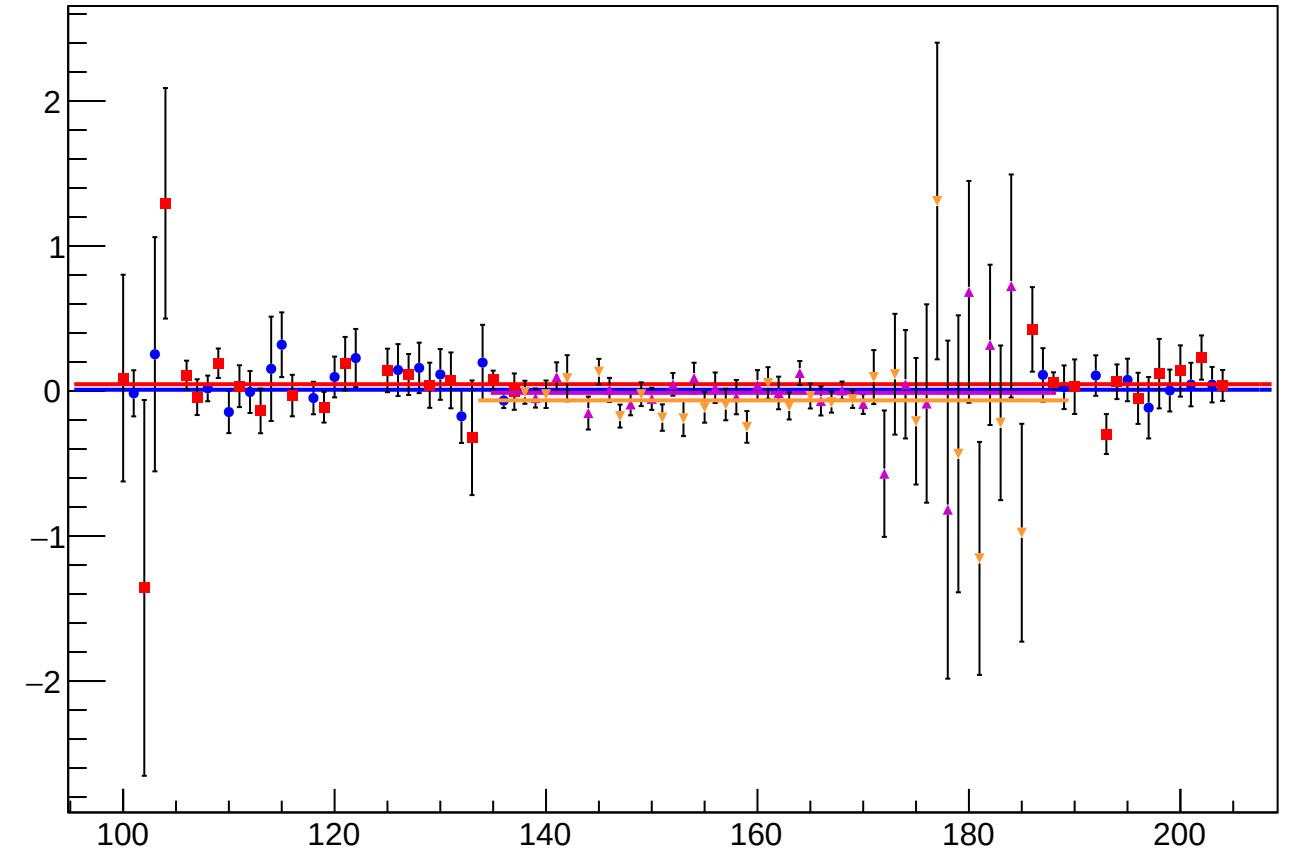
Right Out: 0.000+/-0.000 χ^2/NDF: 6487613.3/27

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7396449.2/47

All: 0.000+/-0.000 χ^2/NDF: 19282095.8/98

- sign 0.000+/-0.000 χ^2/NDF: 11492307.4/50



Right In: 0.009+/-0.028 χ^2/NDF: 12.0/23

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

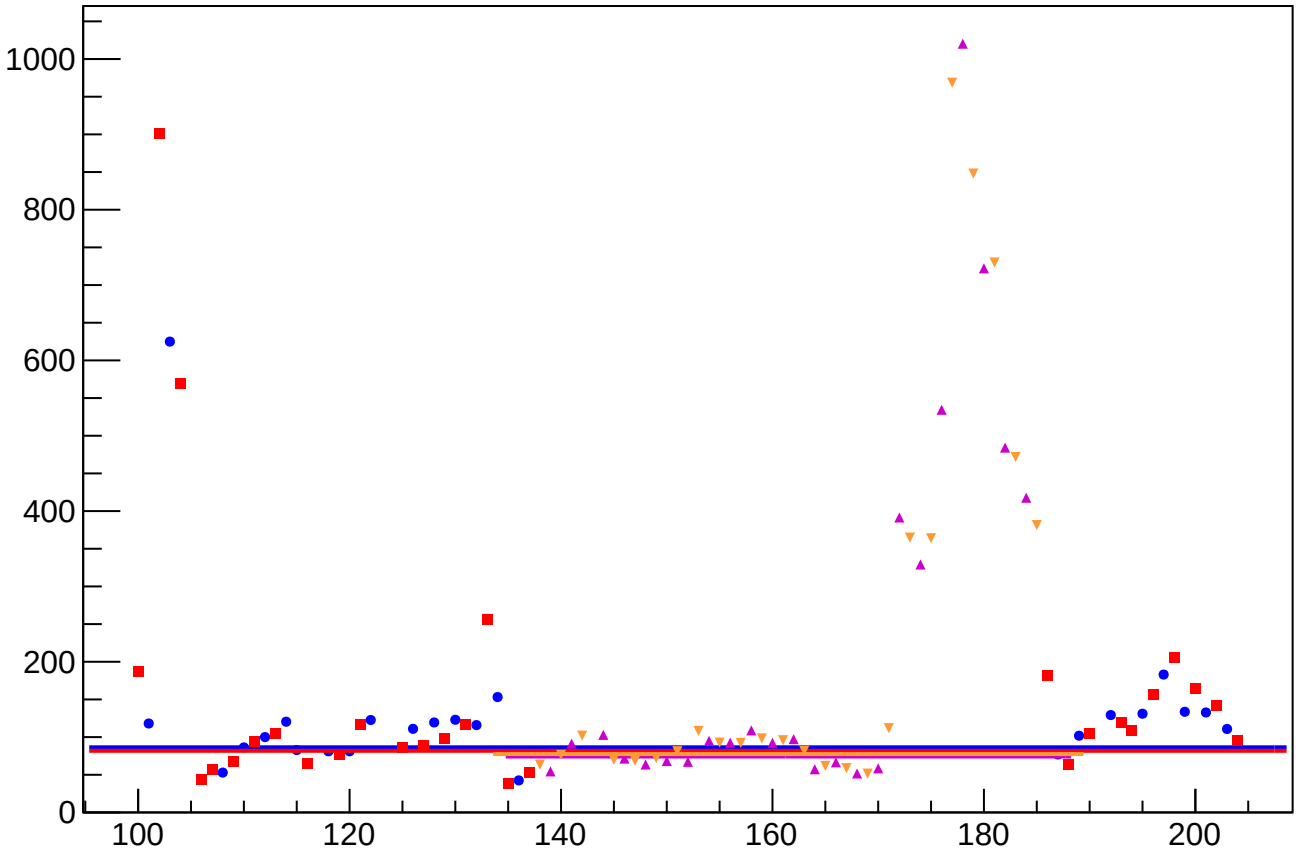
Right Out: 0.047+/-0.025 χ^2/NDF: 23.1/27

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.036+/-0.017 χ^2/NDF: 38.6/47

All: -0.010+/-0.012 χ^2/NDF: 84.1/98

- sign 0.012+/-0.016 χ^2/NDF: 41.4/50



Right In: 86.476+/-0.019 χ^2/NDF: 4487657.9/23

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

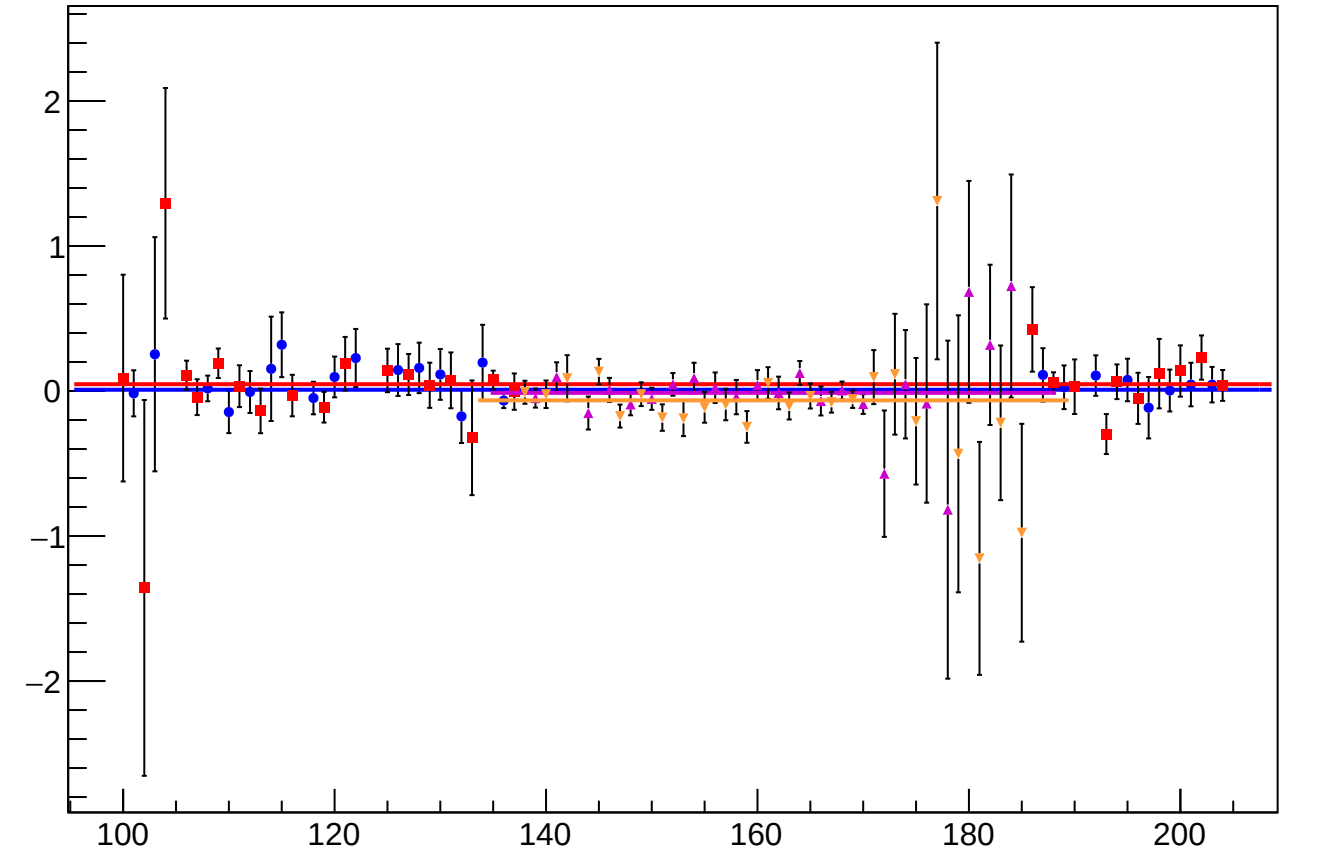
Right Out: 81.833+/-0.018 χ^2/NDF: 5989783.2/27

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 81.033+/-0.012 χ^2/NDF: 12946943.2/47

All: 79.078+/-0.008 χ^2/NDF: 27606273.6/98

- sign 77.354+/-0.011 χ^2/NDF: 14610994.6/50



Right In: 0.009+/-0.028 χ^2/NDF: 12.0/23

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

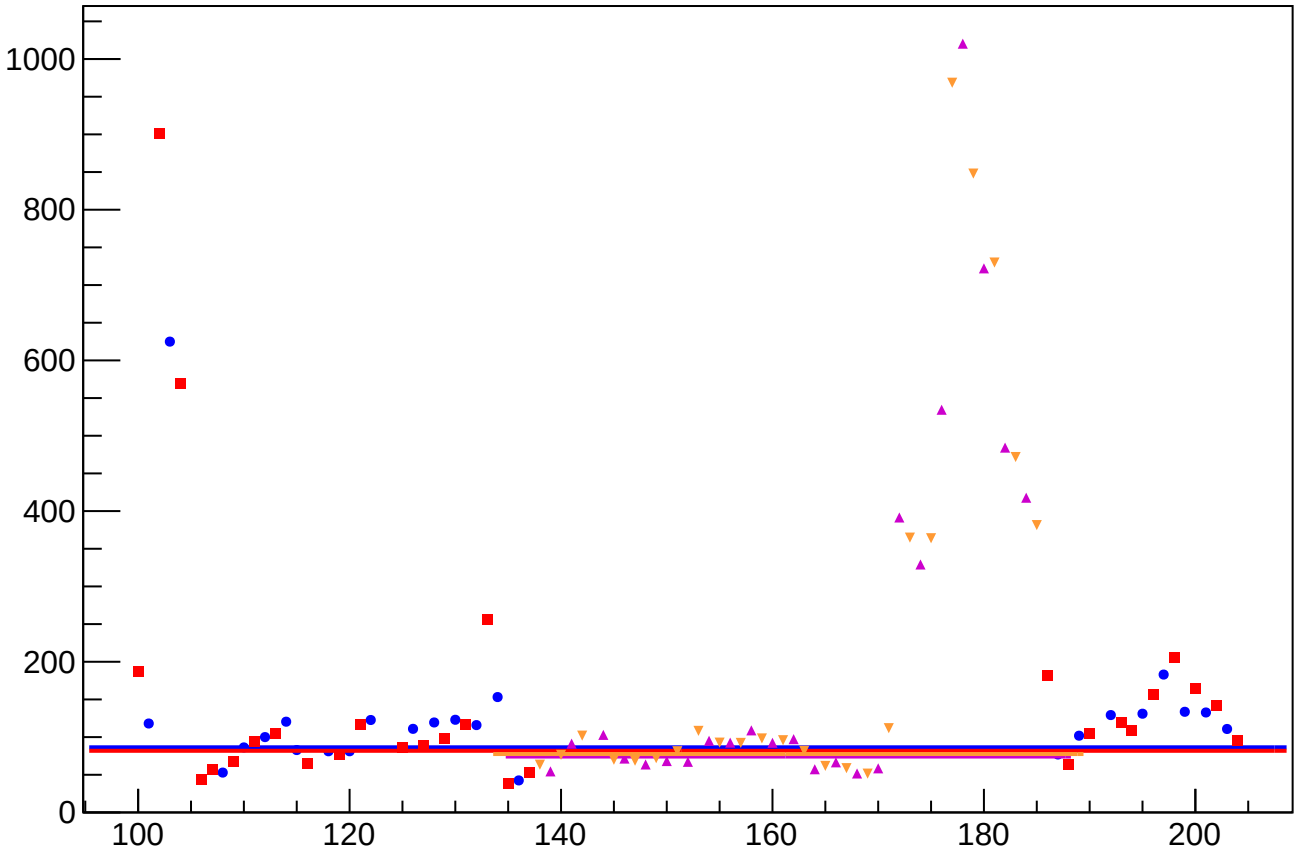
Right Out: 0.047+/-0.025 χ^2/NDF: 23.1/27

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.036+/-0.017 χ^2/NDF: 38.6/47

All: -0.010+/-0.012 χ^2/NDF: 84.1/98

- sign 0.012+/-0.016 χ^2/NDF: 41.4/50



Right In: 86.476+/-0.019 χ^2/NDF: 4487657.9/23

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

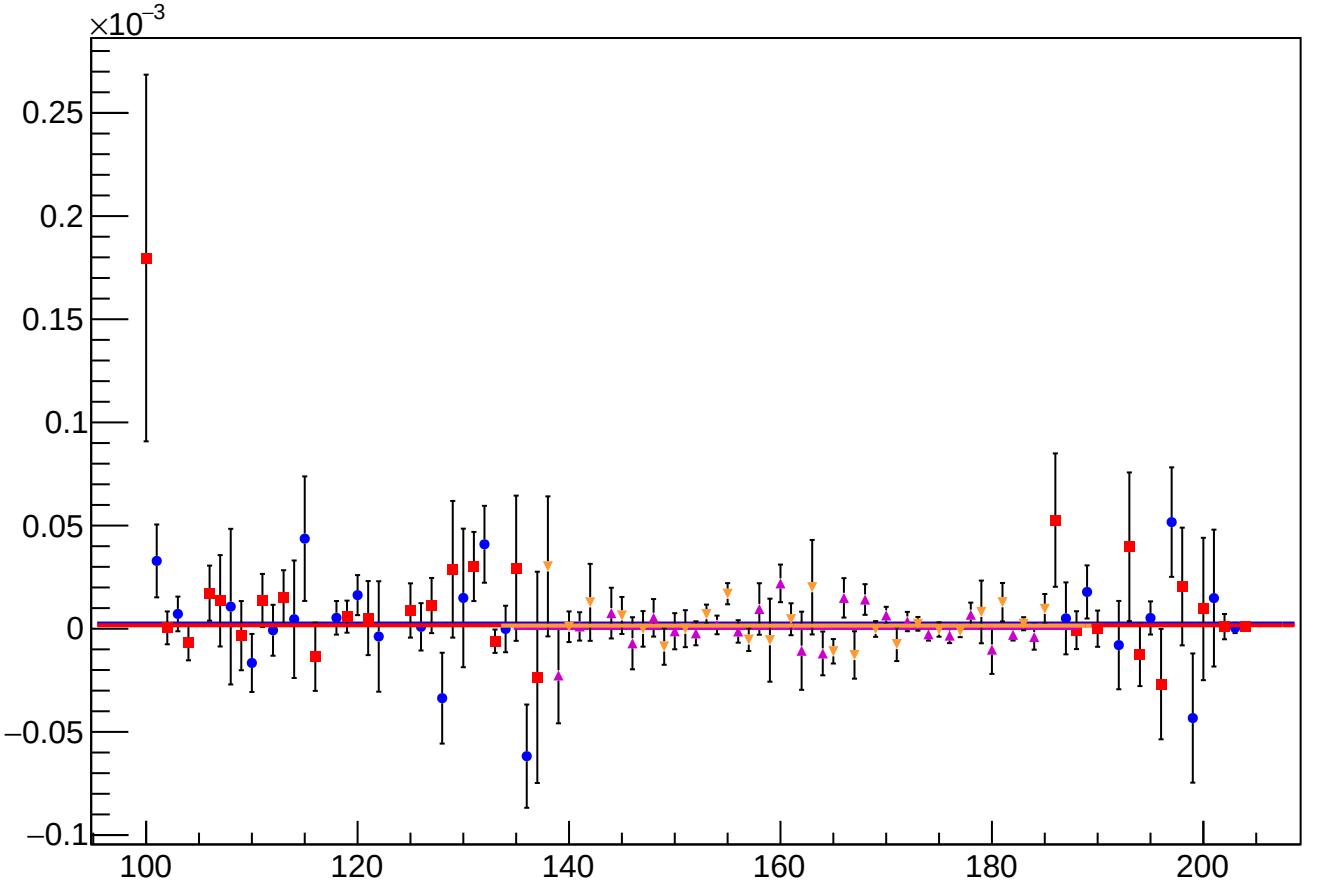
Right Out: 81.833+/-0.018 χ^2/NDF: 5989783.2/27

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 81.033+/-0.012 χ^2/NDF: 12946943.2/47

All: 79.078+/-0.008 χ^2/NDF: 27606273.6/98

- sign 77.354+/-0.011 χ^2/NDF: 14610994.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 31.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

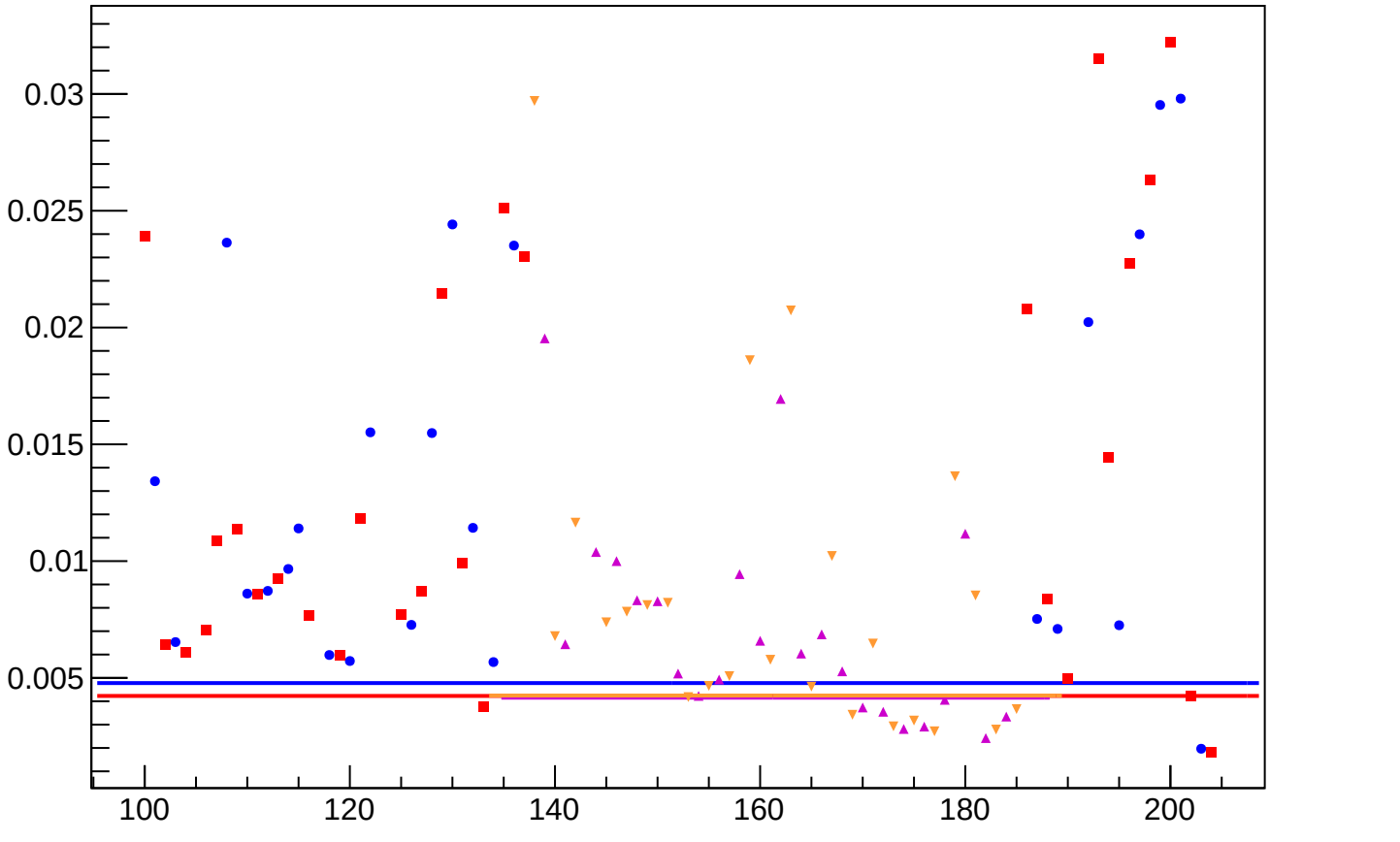
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/27

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.6/47

All: 0.000+/-0.000 χ^2/NDF: 107.3/98

- sign 0.000+/-0.000 χ^2/NDF: 48.2/50



Right In: 0.005+/-0.000 χ^2/NDF: 11922473.9/23

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.004+/-0.000 χ^2/NDF: 13284242.6/27

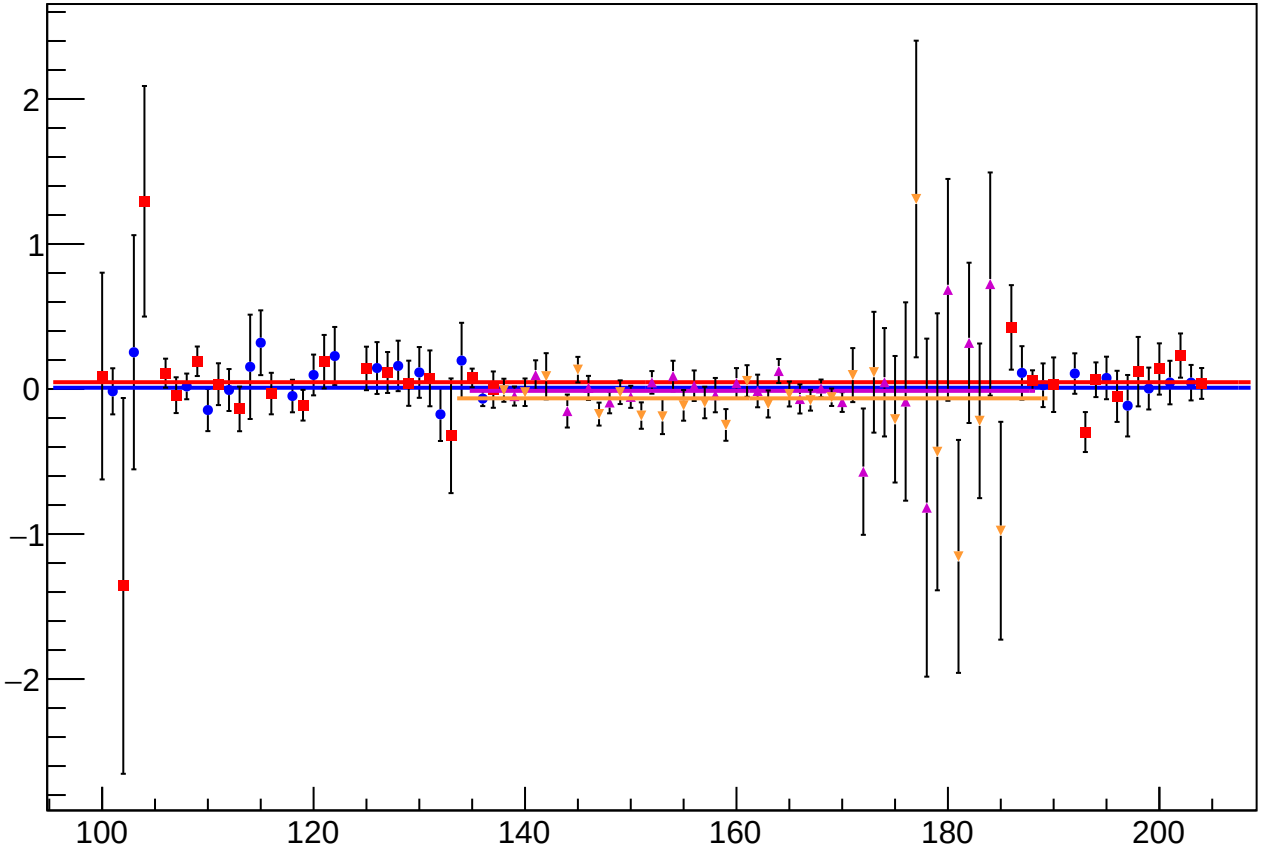
Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 20687542.6/47

All: 0.004+/-0.000 χ^2/NDF: 40907112.1/98

- sign 0.004+/-0.000 χ^2/NDF: 20173588.8/50

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.028 χ^2/NDF: 12.0/23

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

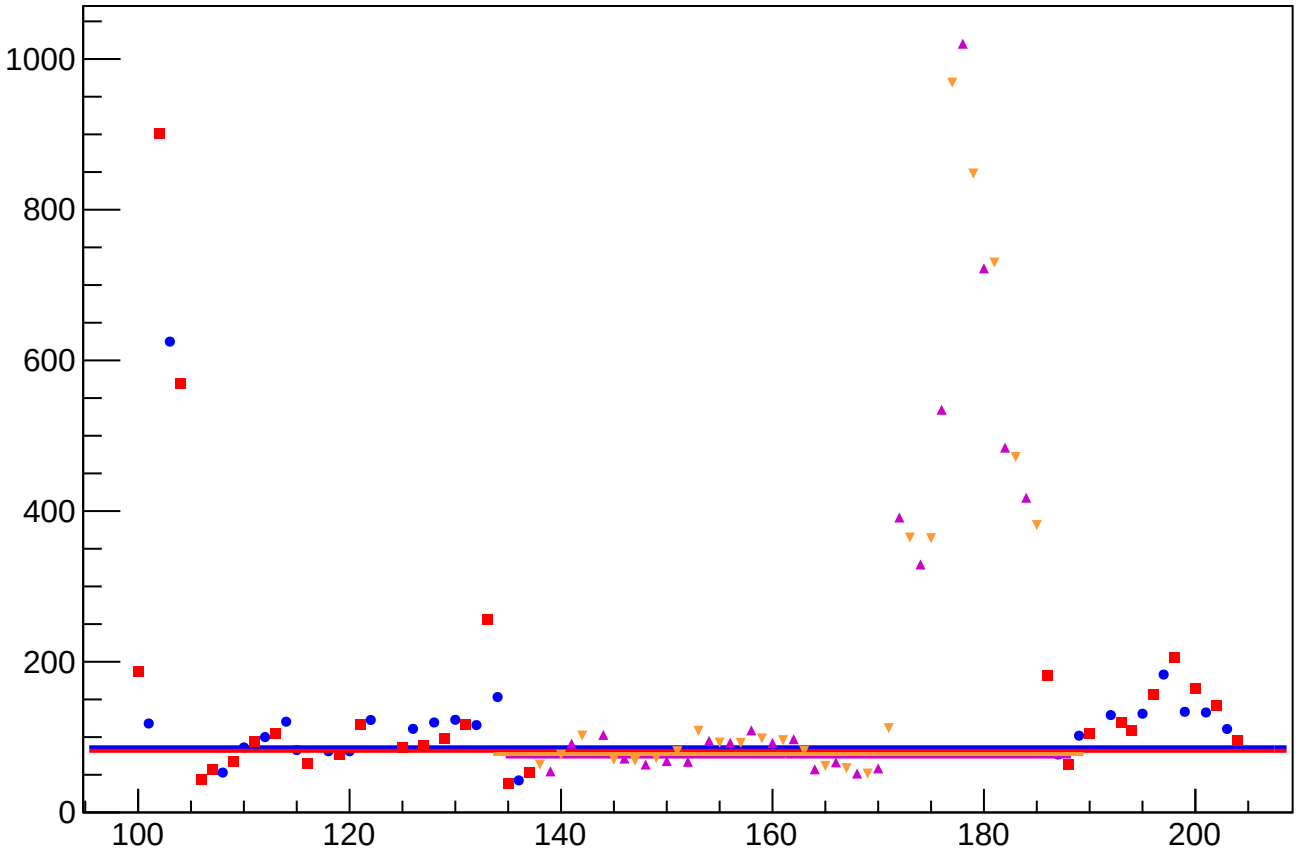
Right Out: 0.047+/-0.025 χ^2/NDF: 23.1/27

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.036+/-0.017 χ^2/NDF: 38.6/47

All: -0.010+/-0.012 χ^2/NDF: 84.1/98

- sign 0.012+/-0.016 χ^2/NDF: 41.4/50



Right In: 86.498+/-0.019 χ^2/NDF: 4483965.9/23

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

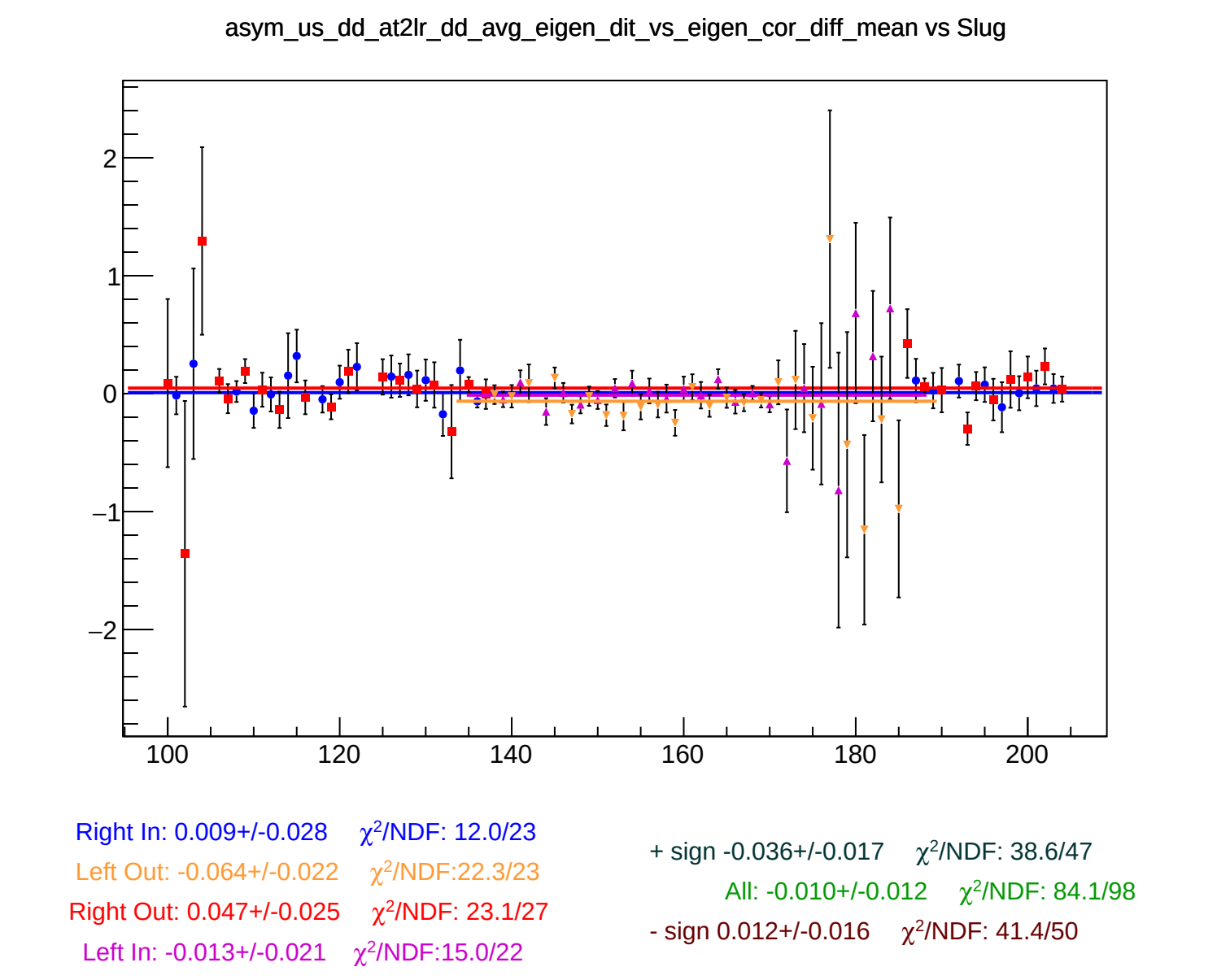
Right Out: 81.825+/-0.018 χ^2/NDF: 5991427.6/27

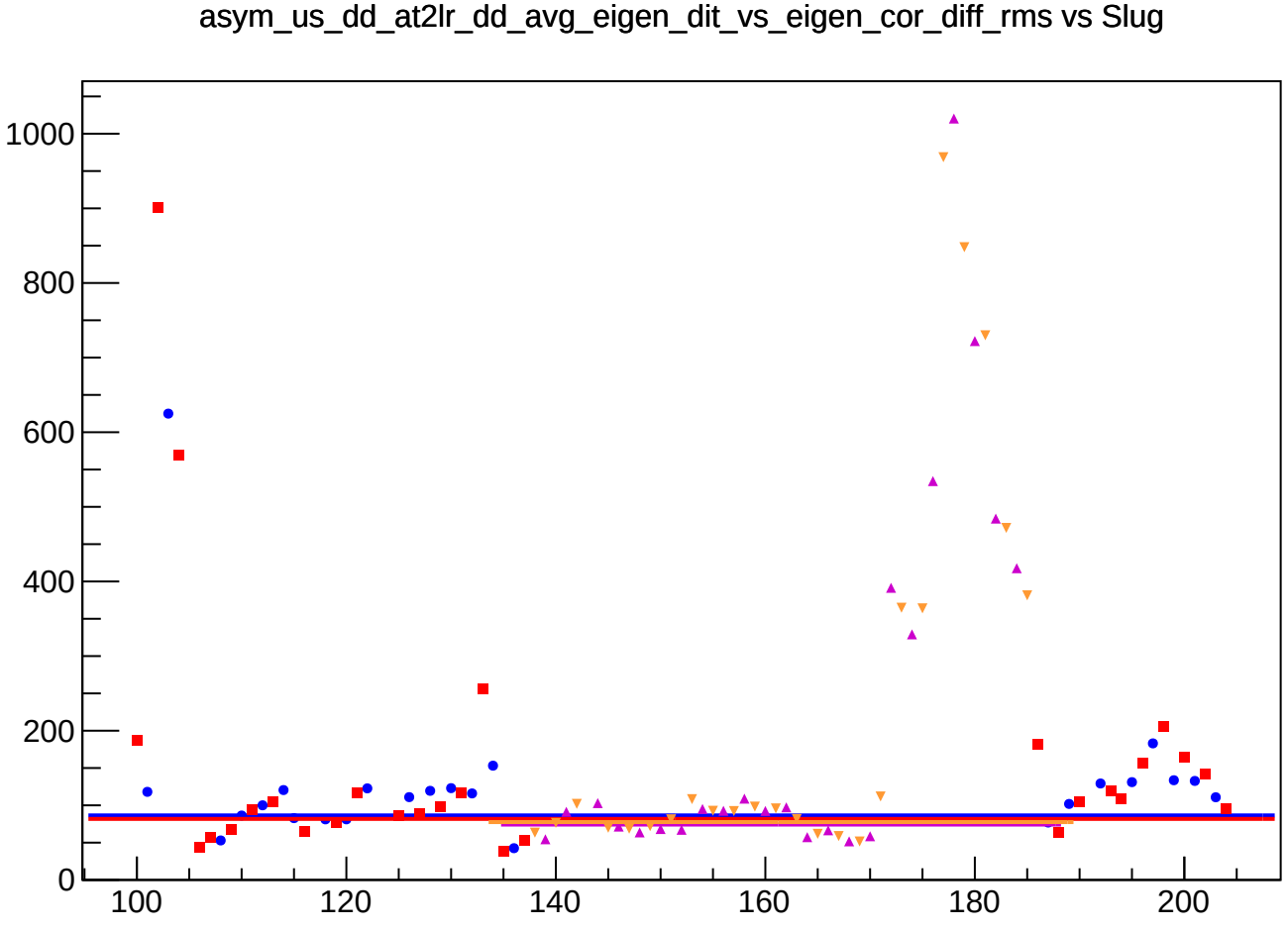
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 81.040+/-0.012 χ^2/NDF: 12943788.1/47

All: 79.081+/-0.008 χ^2/NDF: 27604483.0/98

- sign 77.352+/-0.011 χ^2/NDF: 14612090.9/50


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.009+/-0.028 χ²/NDF: 12.0/23
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.047+/-0.025 χ²/NDF: 23.1/27
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.036+/-0.017 χ²/NDF: 38.6/47
All: -0.010+/-0.012 χ²/NDF: 84.1/98
- sign 0.012+/-0.016 χ²/NDF: 41.4/50



Right In: 86.498+/-0.019 χ^2/NDF: 4483965.9/23

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

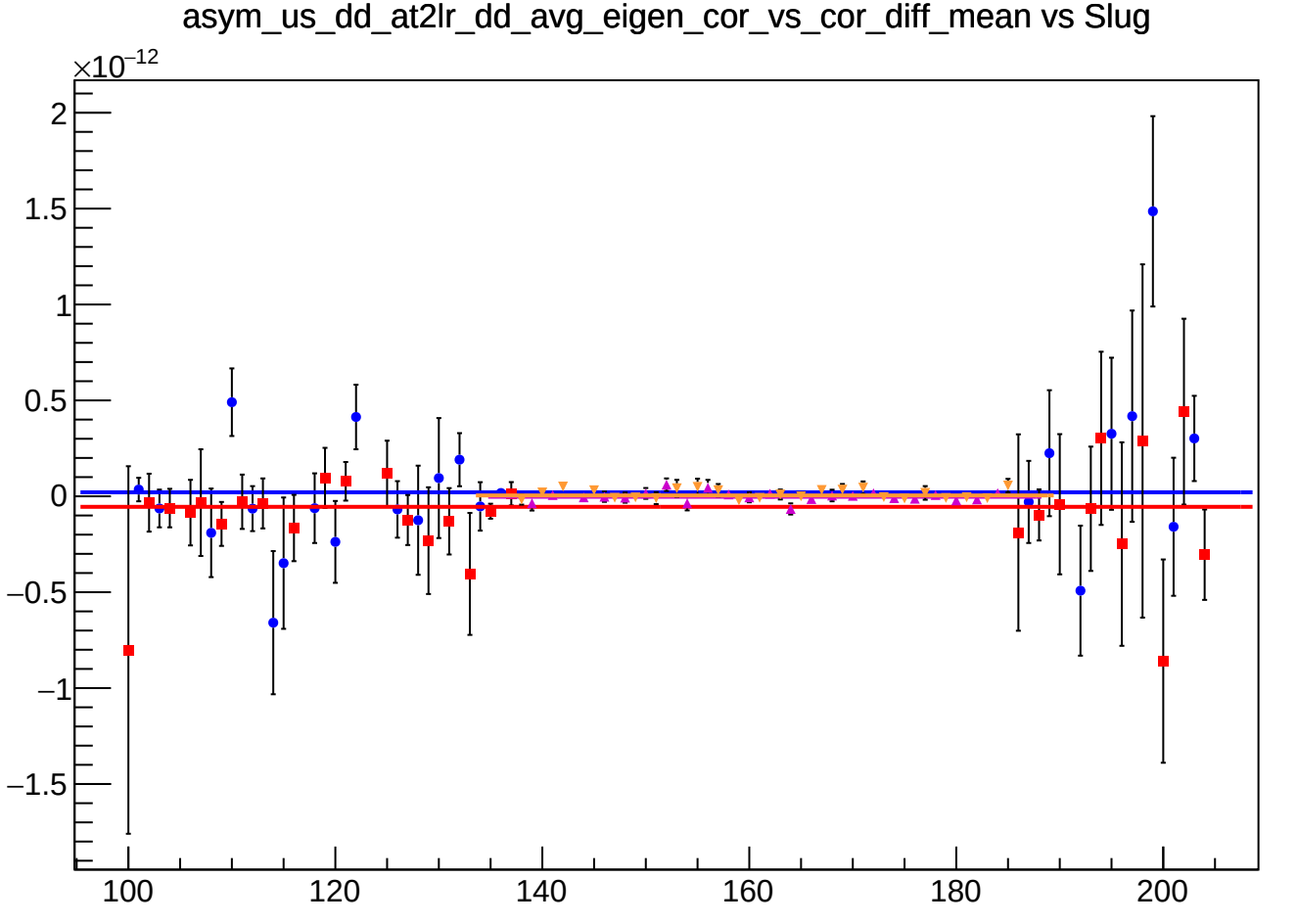
Right Out: 81.825+/-0.018 χ^2/NDF: 5991427.6/27

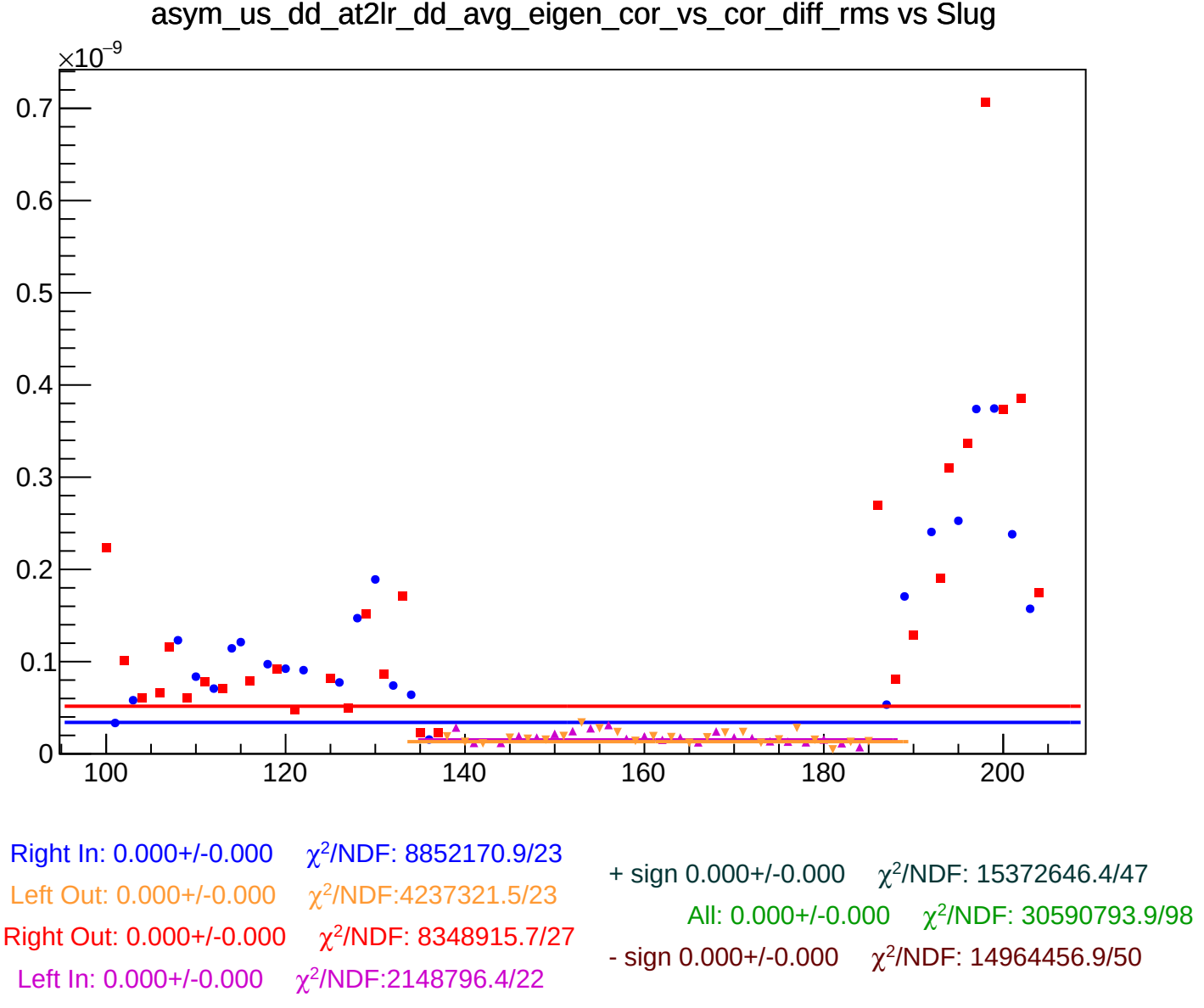
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 81.040+/-0.012 χ^2/NDF: 12943788.1/47

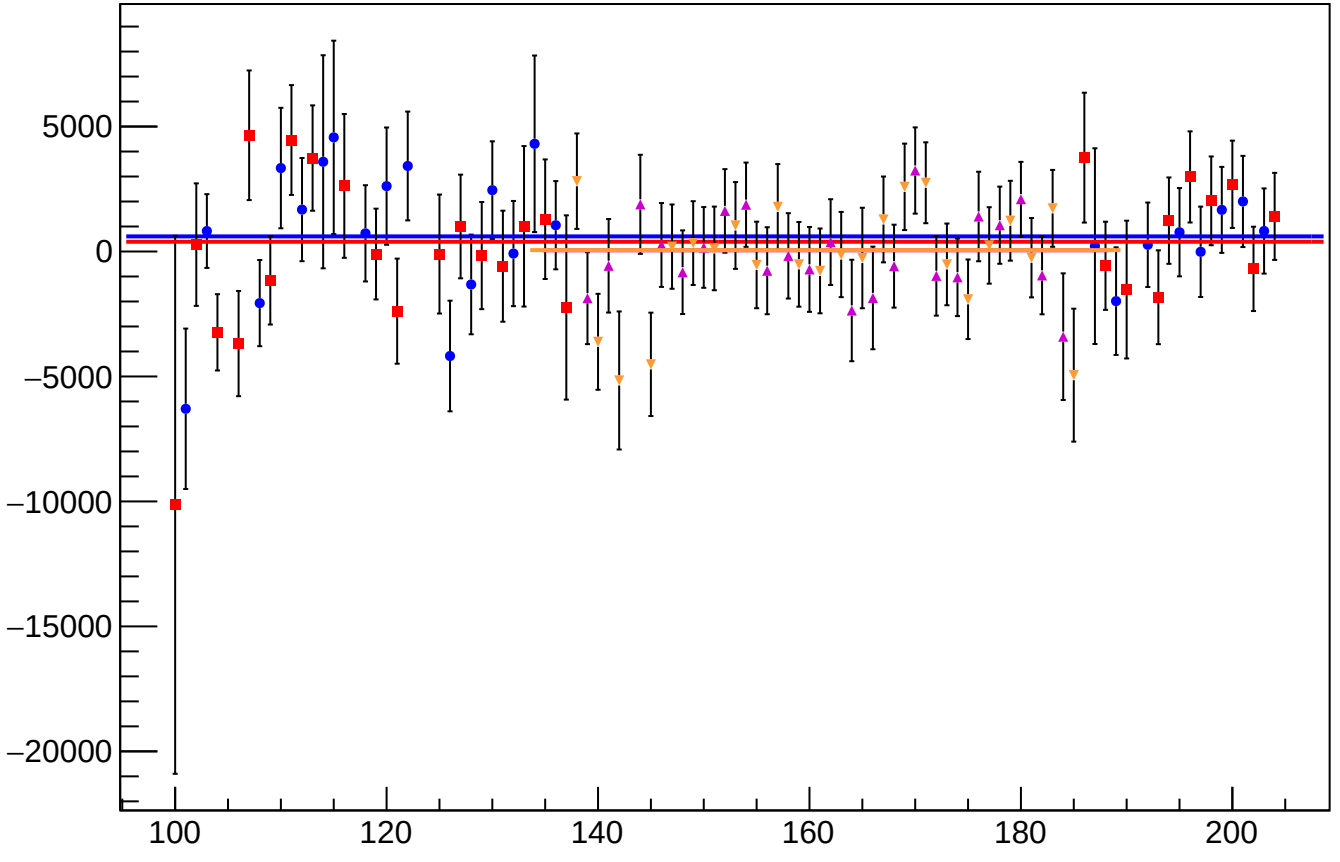
All: 79.081+/-0.008 χ^2/NDF: 27604483.0/98

- sign 77.352+/-0.011 χ^2/NDF: 14612090.9/50


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 37.8/23
Left Out: 0.000+/-0.000 χ²/NDF:21.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 14.6/27
Left In: -0.000+/-0.000 χ²/NDF:17.5/22
+ sign 0.000+/-0.000 χ²/NDF: 60.2/47
All: 0.000+/-0.000 χ²/NDF: 99.3/98
- sign -0.000+/-0.000 χ²/NDF: 36.8/50


asym_us_dd_at2lr_dd_avg_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: 8852170.9/23
Left Out: 0.000+/-0.000 χ²/NDF:4237321.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 8348915.7/27
Left In: 0.000+/-0.000 χ²/NDF:2148796.4/22
+ sign 0.000+/-0.000 χ²/NDF: 15372646.4/47
All: 0.000+/-0.000 χ²/NDF: 30590793.9/98
- sign 0.000+/-0.000 χ²/NDF: 14964456.9/50

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 604.673+/-420.008 χ^2/NDF: 22.9/23

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 389.889+/-395.164 χ^2/NDF: 32.7/27

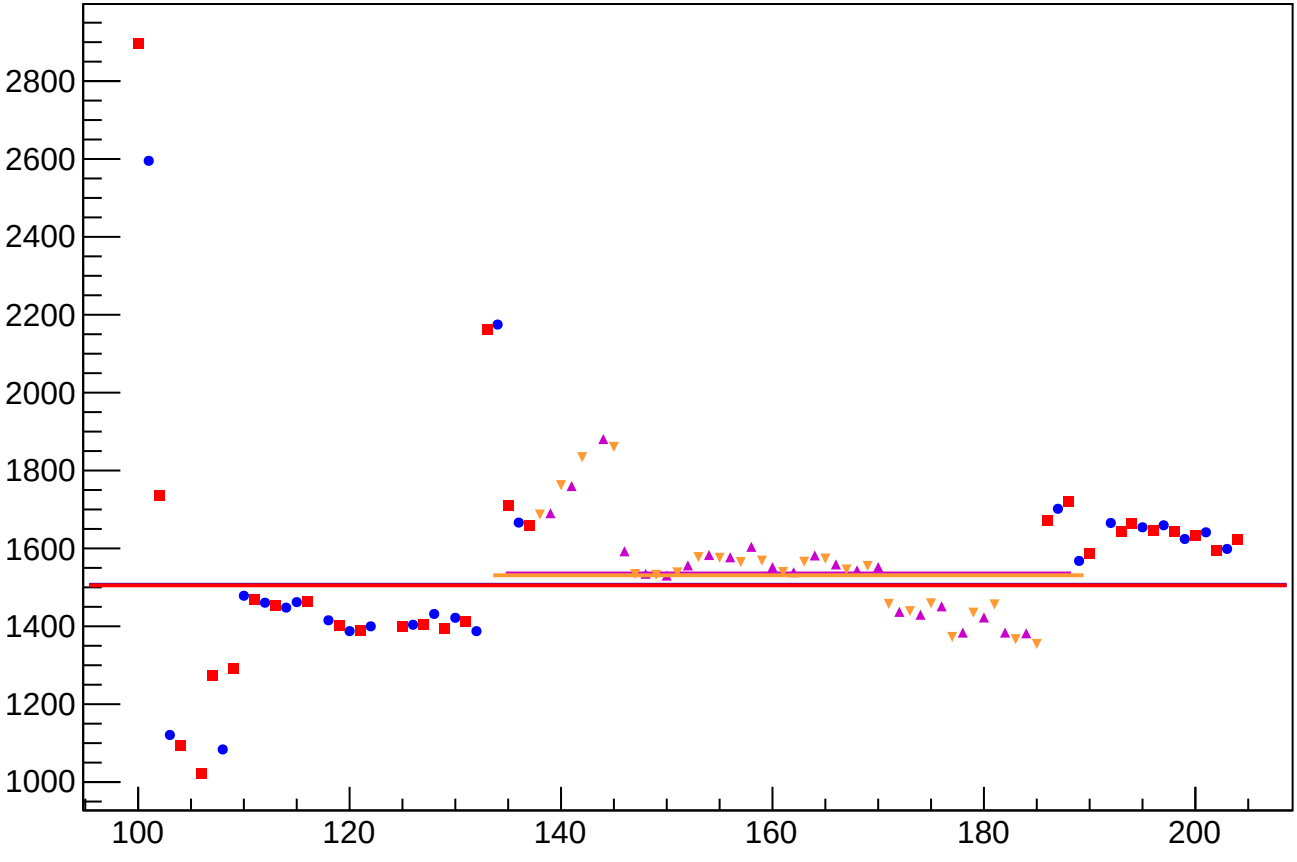
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 284.952+/-271.738 χ^2/NDF: 52.4/47

All: 243.058+/-190.062 χ^2/NDF: 102.3/98

- sign 202.935+/-265.934 χ^2/NDF: 49.9/50

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1506.470+/-0.297 χ^2/NDF: 687357.9/23

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

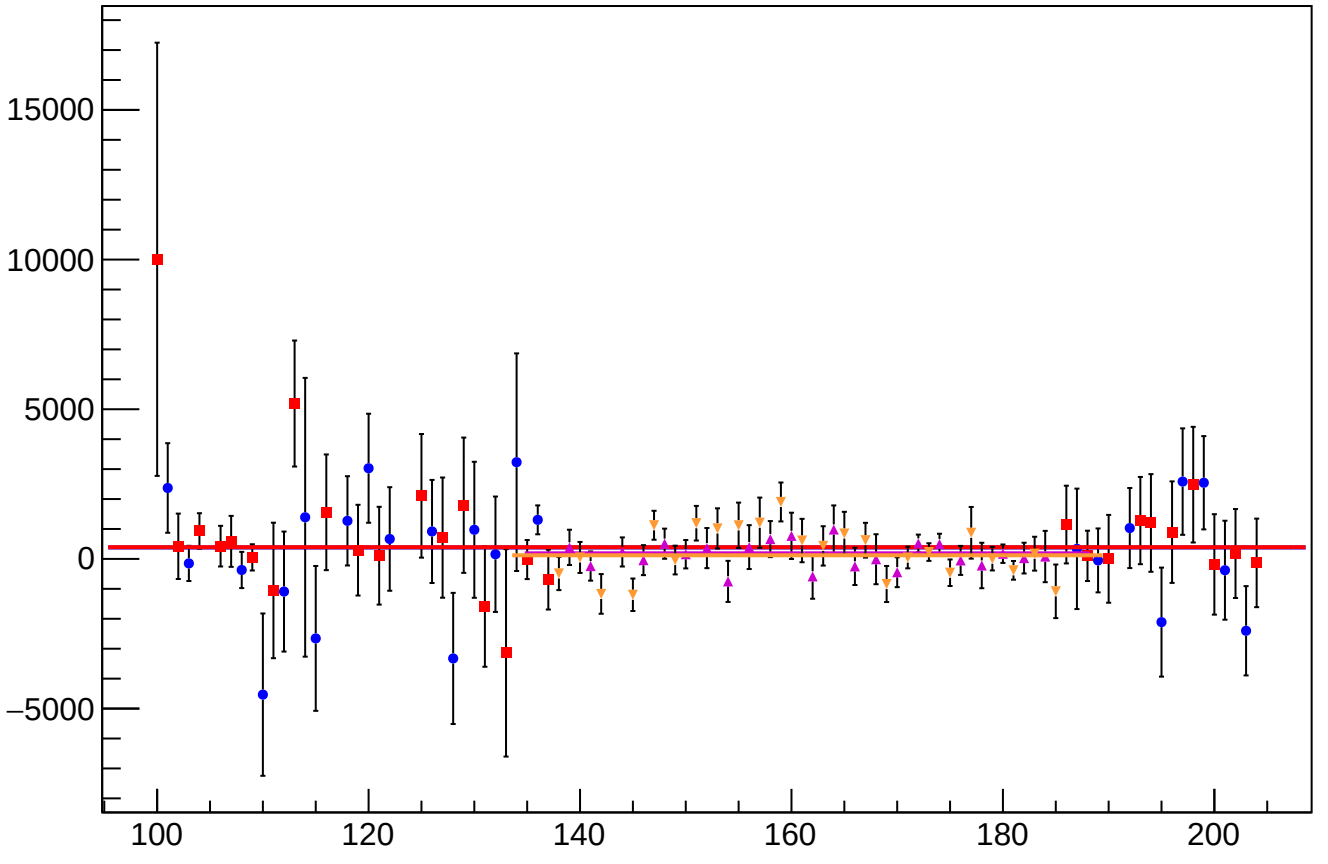
Right Out: 1505.277+/-0.279 χ^2/NDF: 598528.3/27

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1520.718+/-0.192 χ^2/NDF: 894856.3/47

All: 1521.291+/-0.134 χ^2/NDF: 1692257.1/98

- sign 1521.840+/-0.188 χ^2/NDF: 797383.3/50



Right In: 381.652+/-244.974 χ^2/NDF: 28.8/23

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: 391.077+/-206.271 χ^2/NDF: 16.6/27

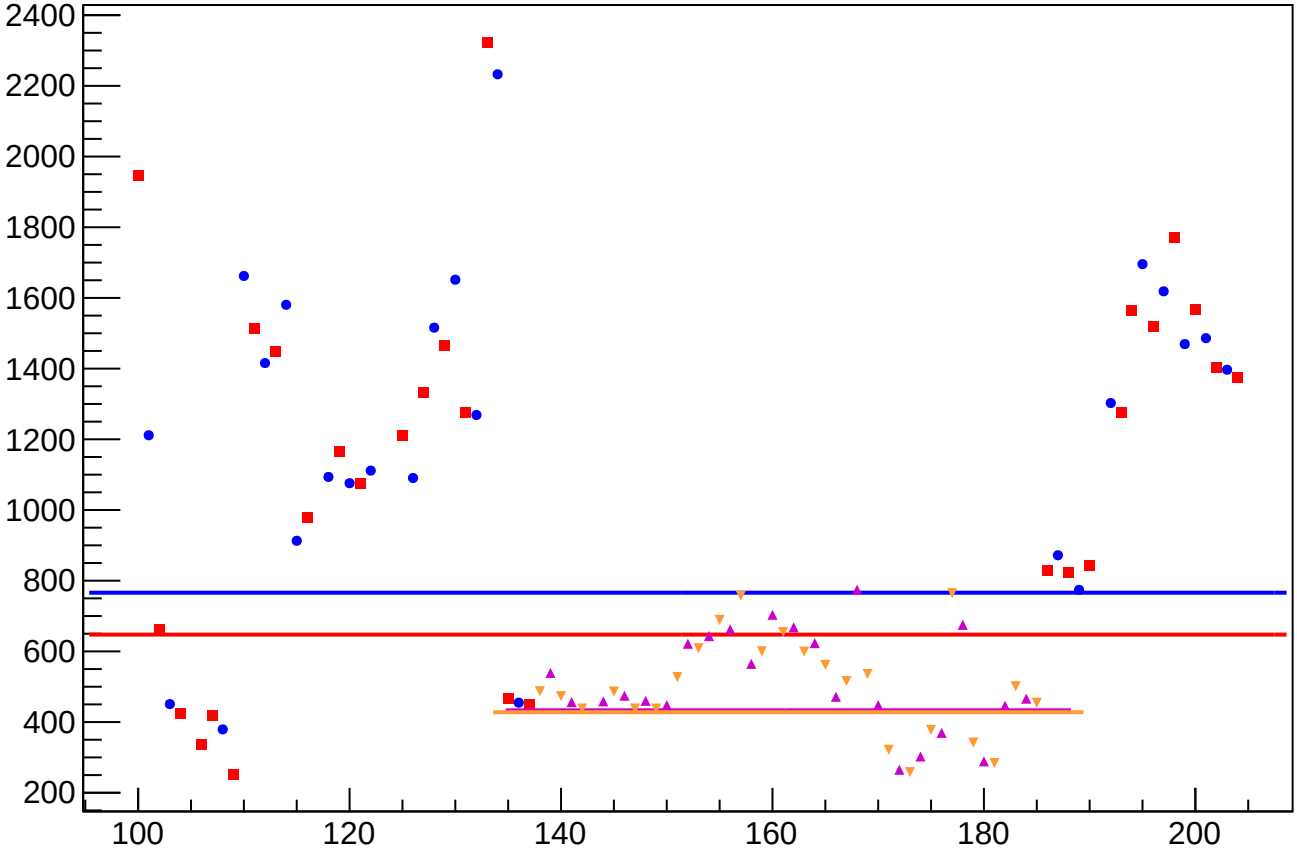
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 161.769+/-96.555 χ^2/NDF: 73.4/47

All: 196.512+/-67.705 χ^2/NDF: 102.7/98

- sign 230.119+/-94.964 χ^2/NDF: 29.0/50

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 766.049+/-0.173 χ^2/NDF: 6655886.8/23

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 647.492+/-0.146 χ^2/NDF: 9077611.8/27

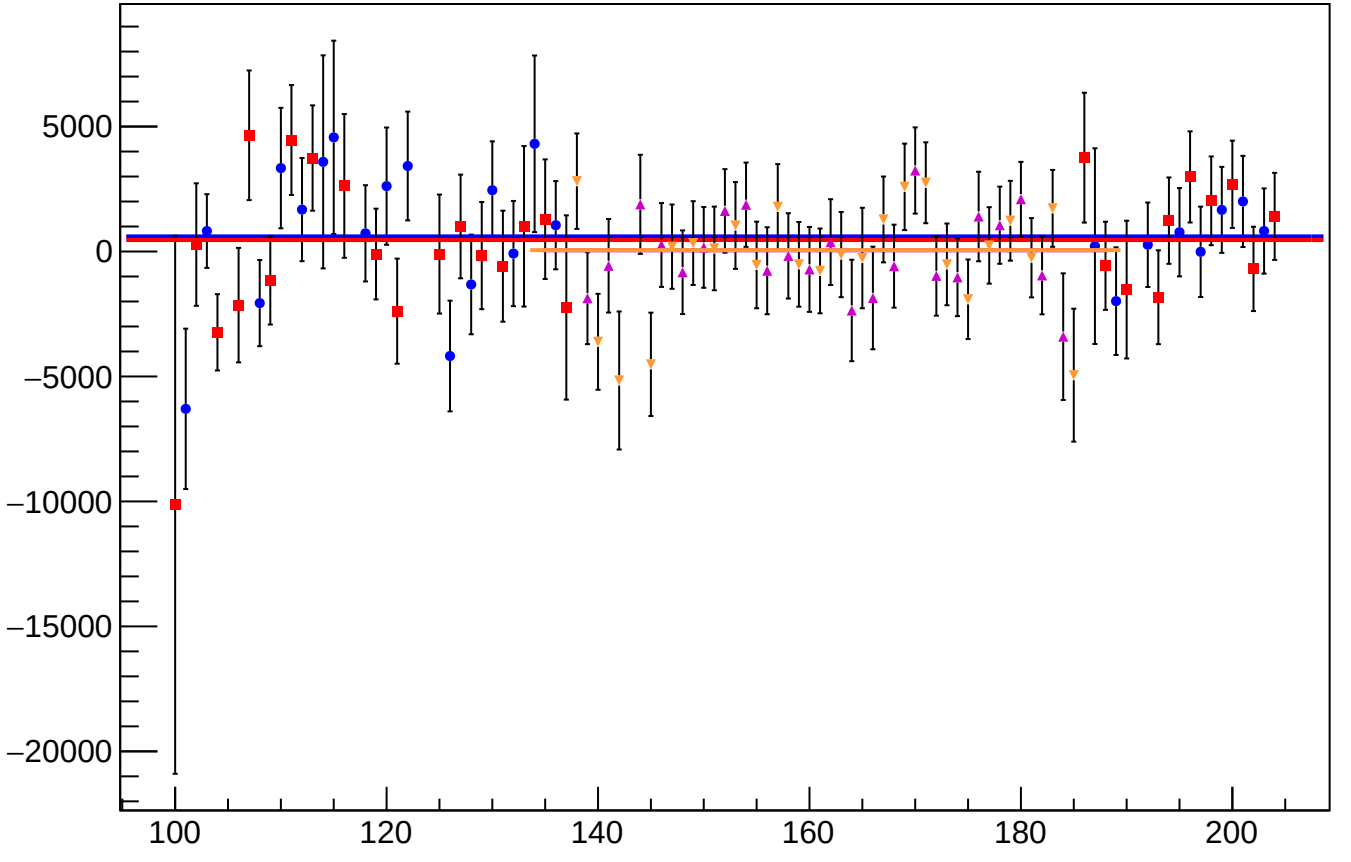
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 480.359+/-0.068 χ^2/NDF: 13064405.5/47

All: 479.509+/-0.048 χ^2/NDF: 27090045.2/98

- sign 478.686+/-0.067 χ^2/NDF: 14025334.4/50

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 604.685+/-420.008 χ^2/NDF: 22.9/23

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 458.414+/-396.245 χ^2/NDF: 30.2/27

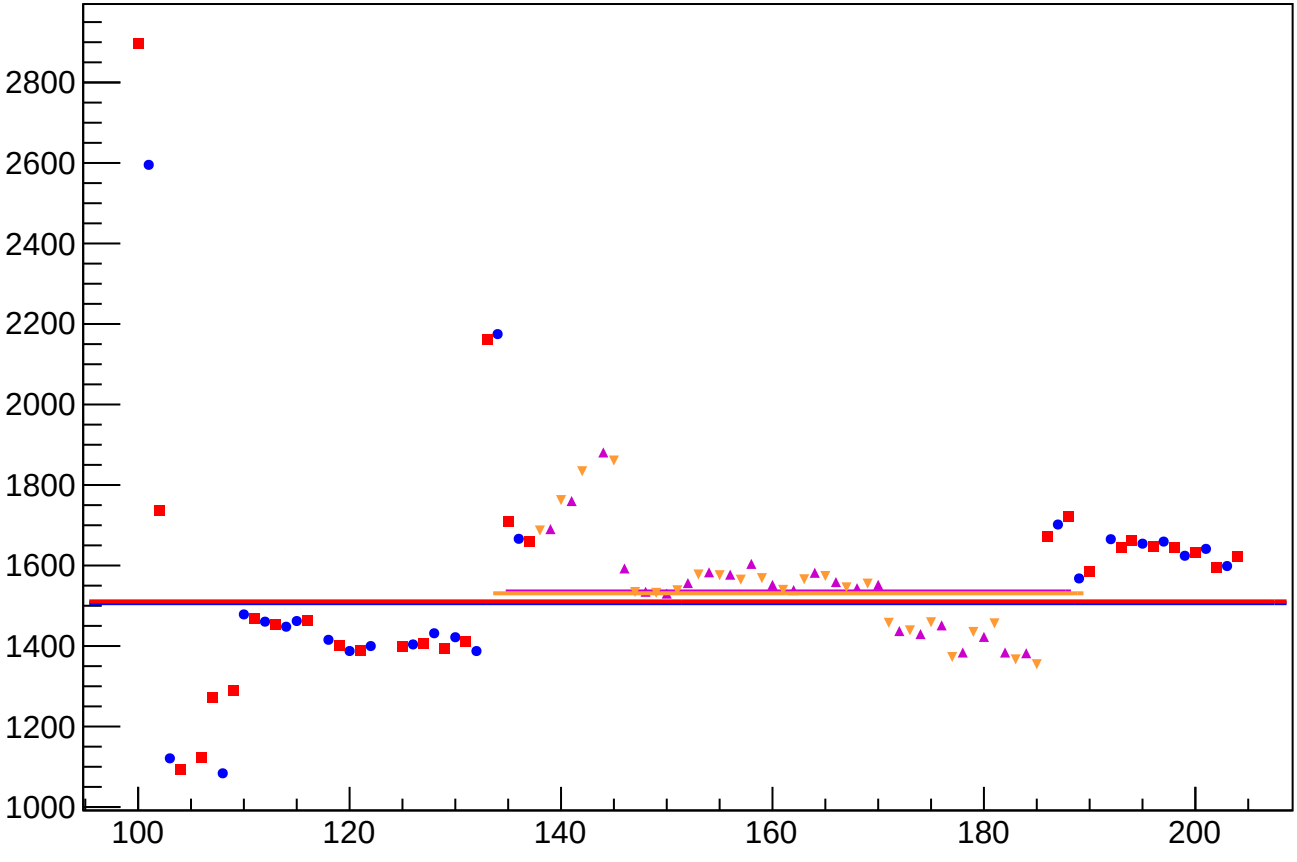
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 284.936+/-271.738 χ^2/NDF: 52.4/47

All: 258.672+/-190.182 χ^2/NDF: 99.9/98

- sign 233.457+/-266.262 χ^2/NDF: 47.5/50

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1506.470+/-0.297 χ^2/NDF: 687358.2/23

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

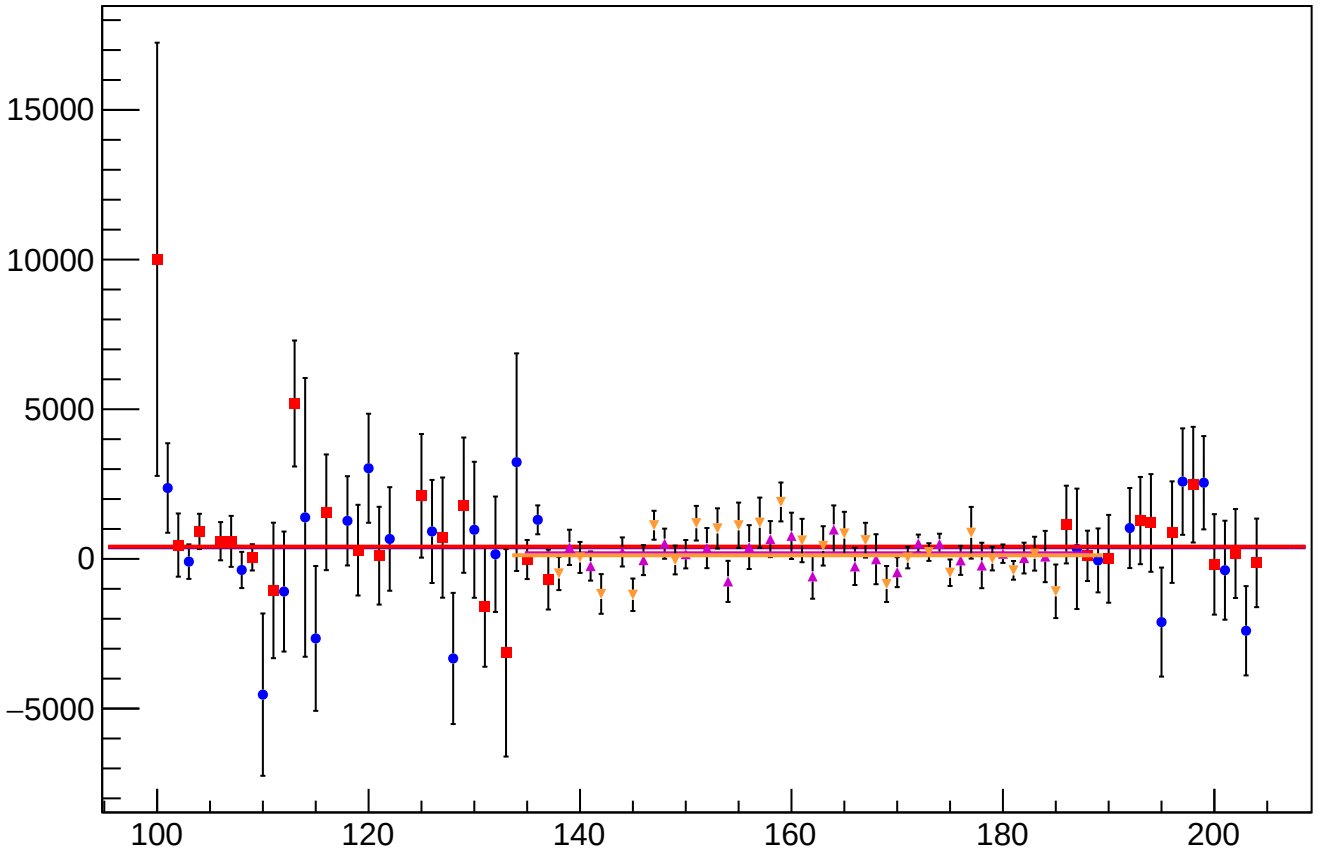
Right Out: 1510.890+/-0.280 χ^2/NDF: 549124.2/27

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1520.718+/-0.192 χ^2/NDF: 894856.7/47

All: 1522.604+/-0.134 χ^2/NDF: 1640851.2/98

- sign 1524.416+/-0.188 χ^2/NDF: 745805.6/50



Right In: 388.851+/-244.147 χ^2/NDF: 28.7/23

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

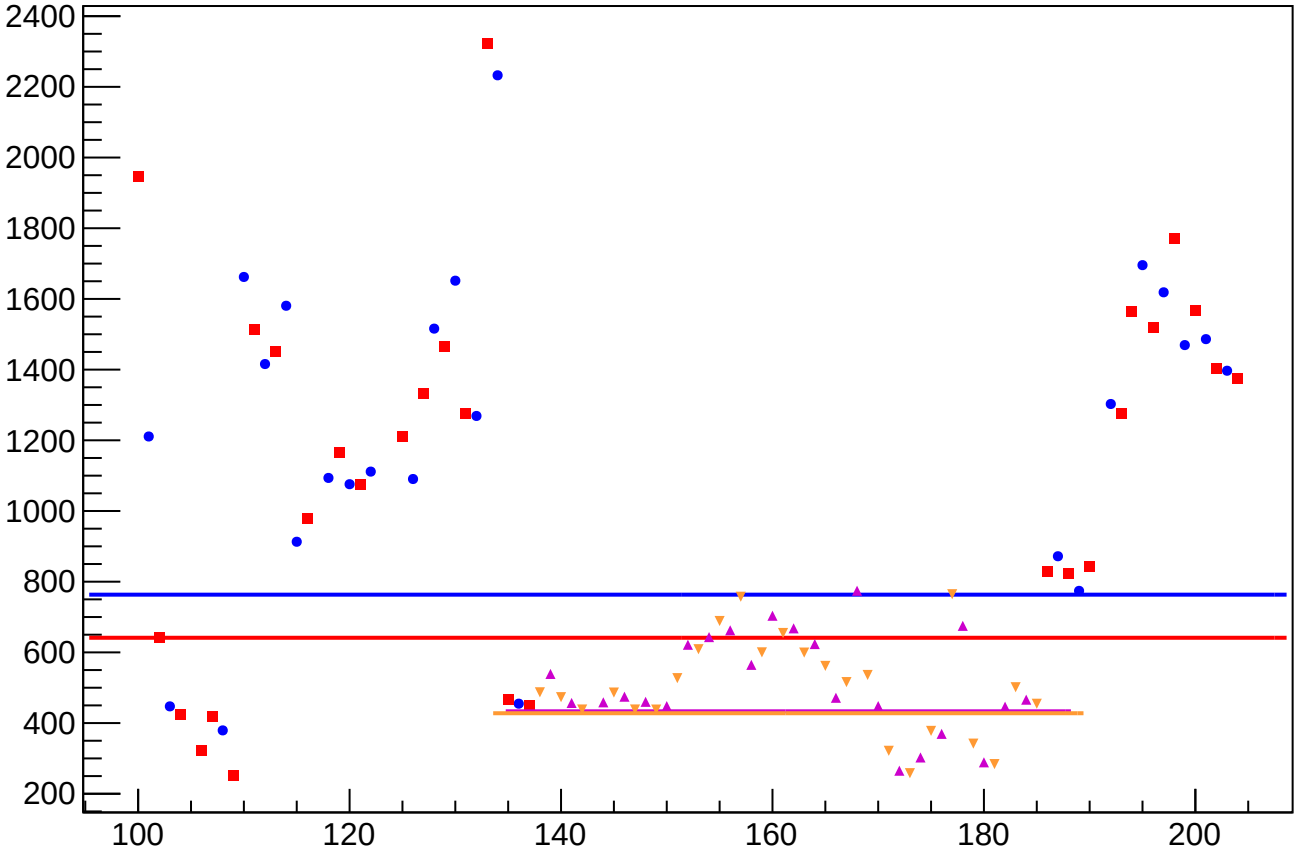
Right Out: 409.148+/-204.622 χ^2/NDF: 16.7/27

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 163.123+/-96.504 χ^2/NDF: 73.3/47

All: 199.555+/-67.629 χ^2/NDF: 102.8/98

- sign 234.713+/-94.802 χ^2/NDF: 29.2/50



Right In: 763.286+/-0.173 χ^2/NDF: 6691329.7/23

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

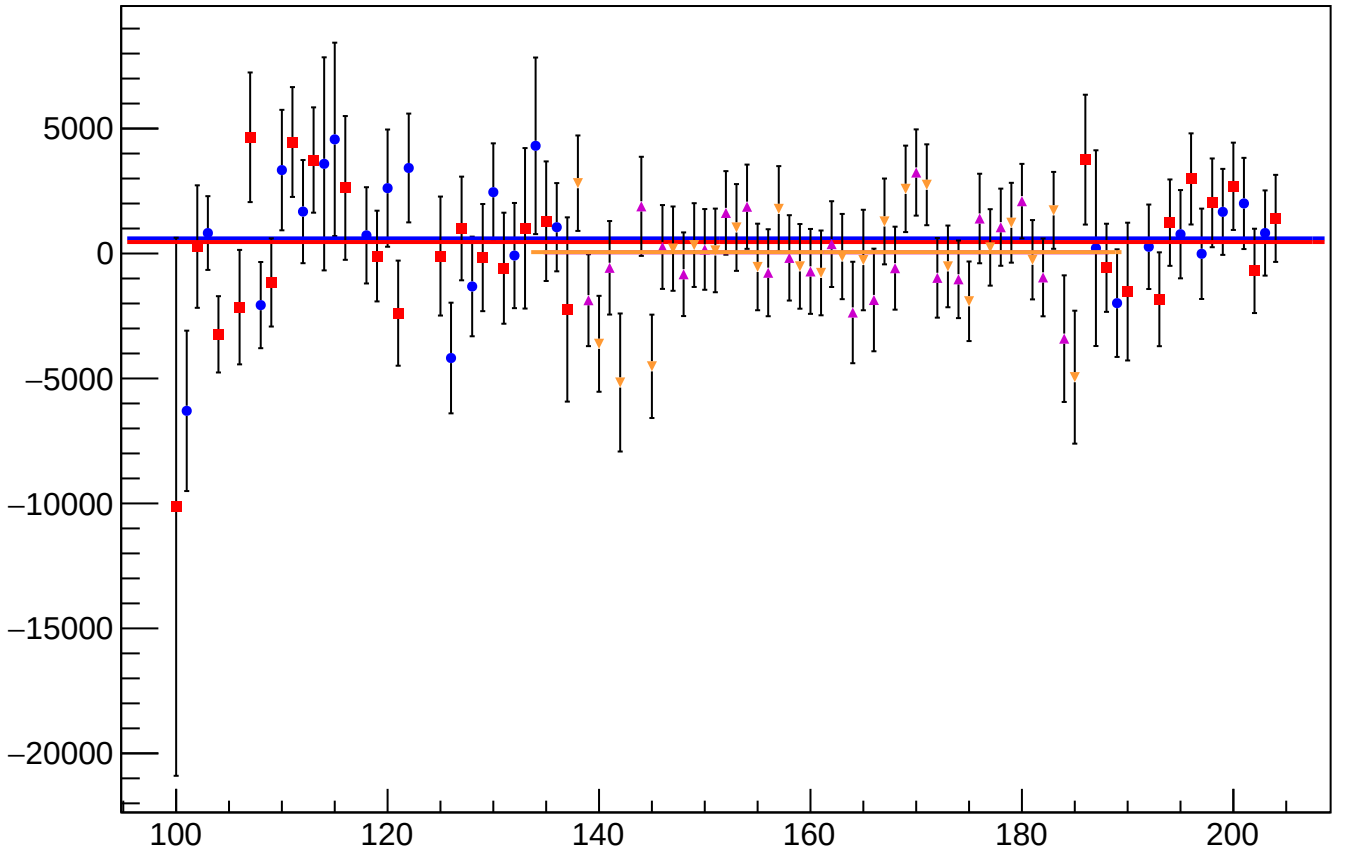
Right Out: 641.352+/-0.145 χ^2/NDF: 9174960.7/27

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 480.228+/-0.068 χ^2/NDF: 13065817.7/47

All: 479.067+/-0.048 χ^2/NDF: 27113255.0/98

- sign 477.946+/-0.067 χ^2/NDF: 14046868.2/50



Right In: 604.685+/-420.008 χ^2/NDF: 22.9/23

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 458.414+/-396.245 χ^2/NDF: 30.2/27

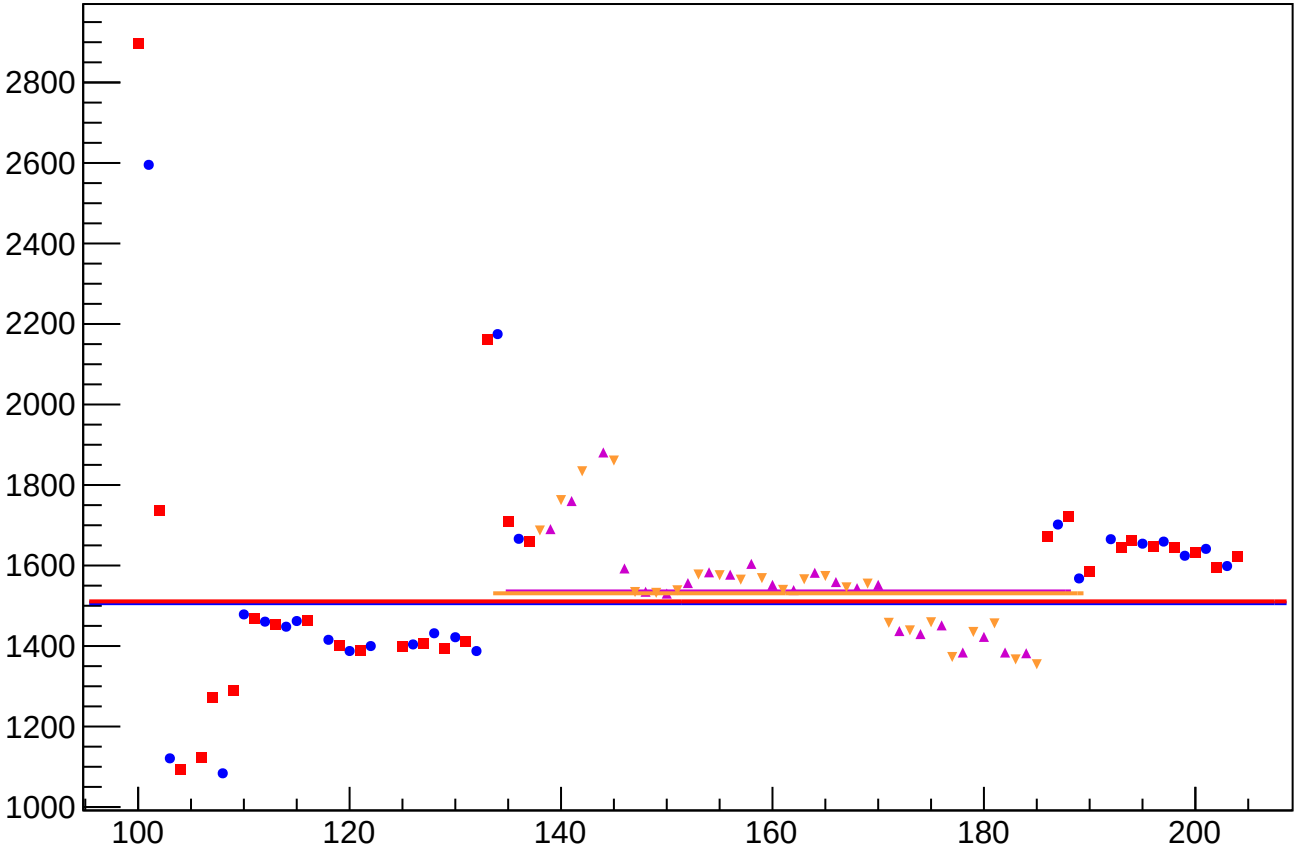
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 284.936+/-271.738 χ^2/NDF: 52.4/47

All: 258.672+/-190.182 χ^2/NDF: 99.9/98

- sign 233.457+/-266.262 χ^2/NDF: 47.5/50

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1506.470+/-0.297 χ^2/NDF: 687358.2/23

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

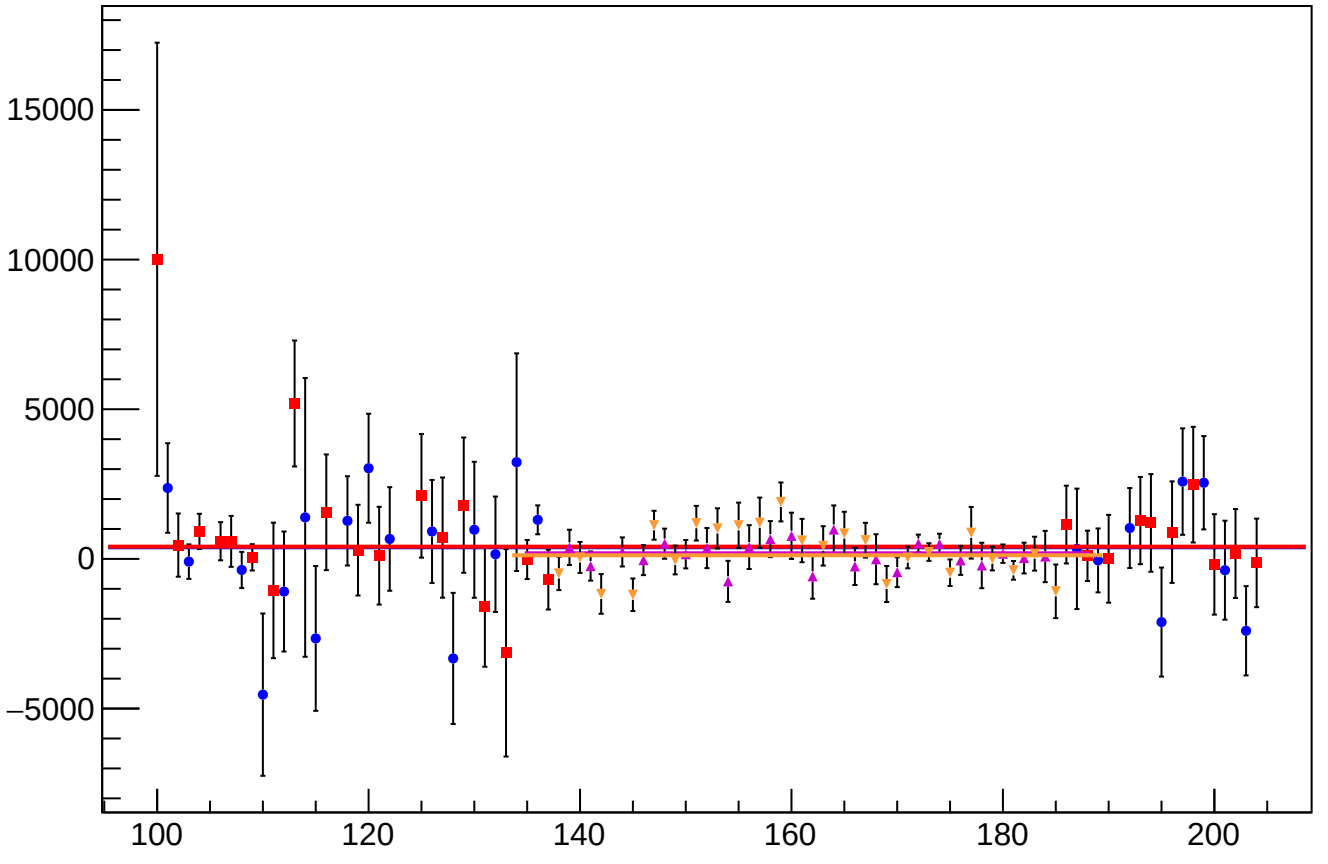
Right Out: 1510.890+/-0.280 χ^2/NDF: 549124.2/27

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1520.718+/-0.192 χ^2/NDF: 894856.7/47

All: 1522.604+/-0.134 χ^2/NDF: 1640851.2/98

- sign 1524.416+/-0.188 χ^2/NDF: 745805.6/50



Right In: 388.851+/-244.147 χ^2/NDF: 28.7/23

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

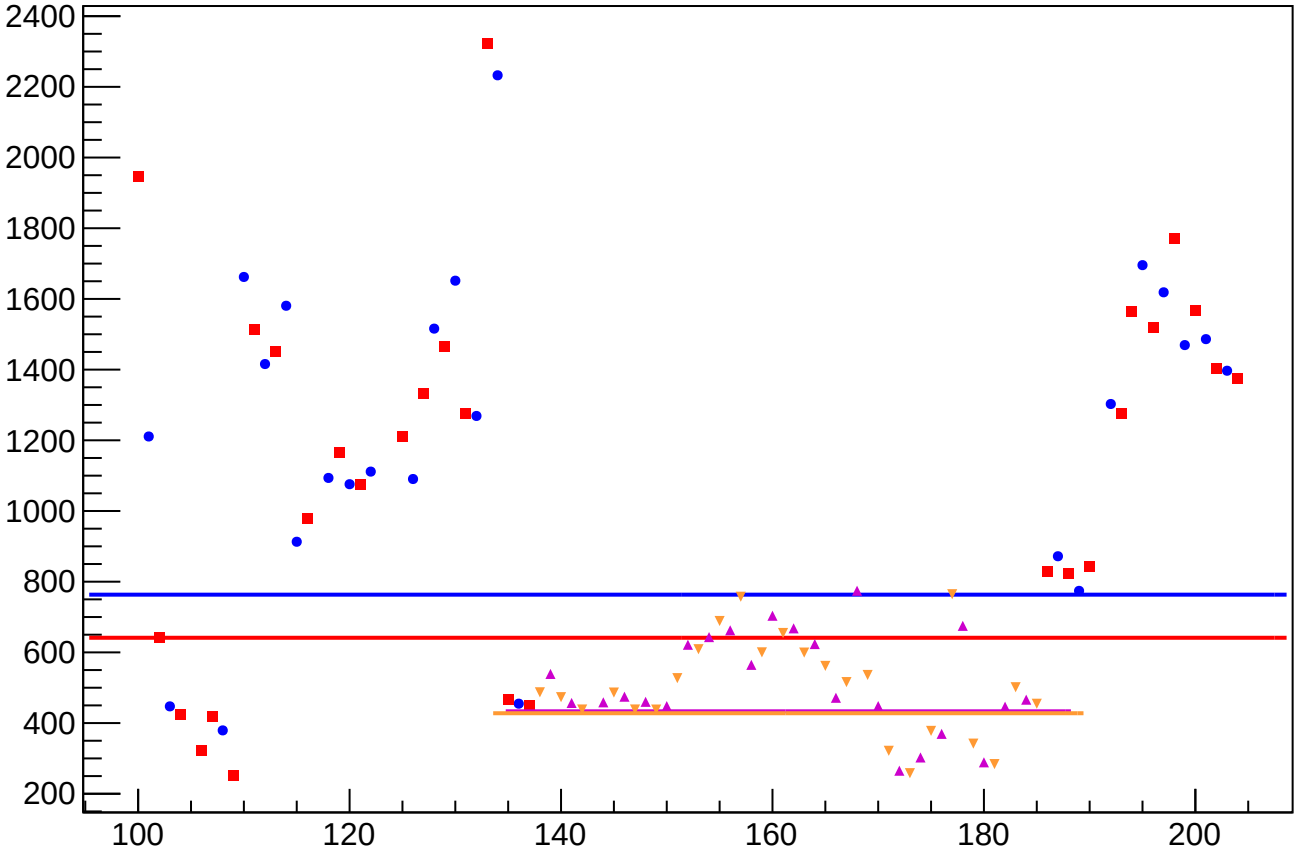
Right Out: 409.148+/-204.622 χ^2/NDF: 16.7/27

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 163.123+/-96.504 χ^2/NDF: 73.3/47

All: 199.555+/-67.629 χ^2/NDF: 102.8/98

- sign 234.713+/-94.802 χ^2/NDF: 29.2/50



Right In: 763.286+/-0.173 χ^2/NDF: 6691329.7/23

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 641.352+/-0.145 χ^2/NDF: 9174960.7/27

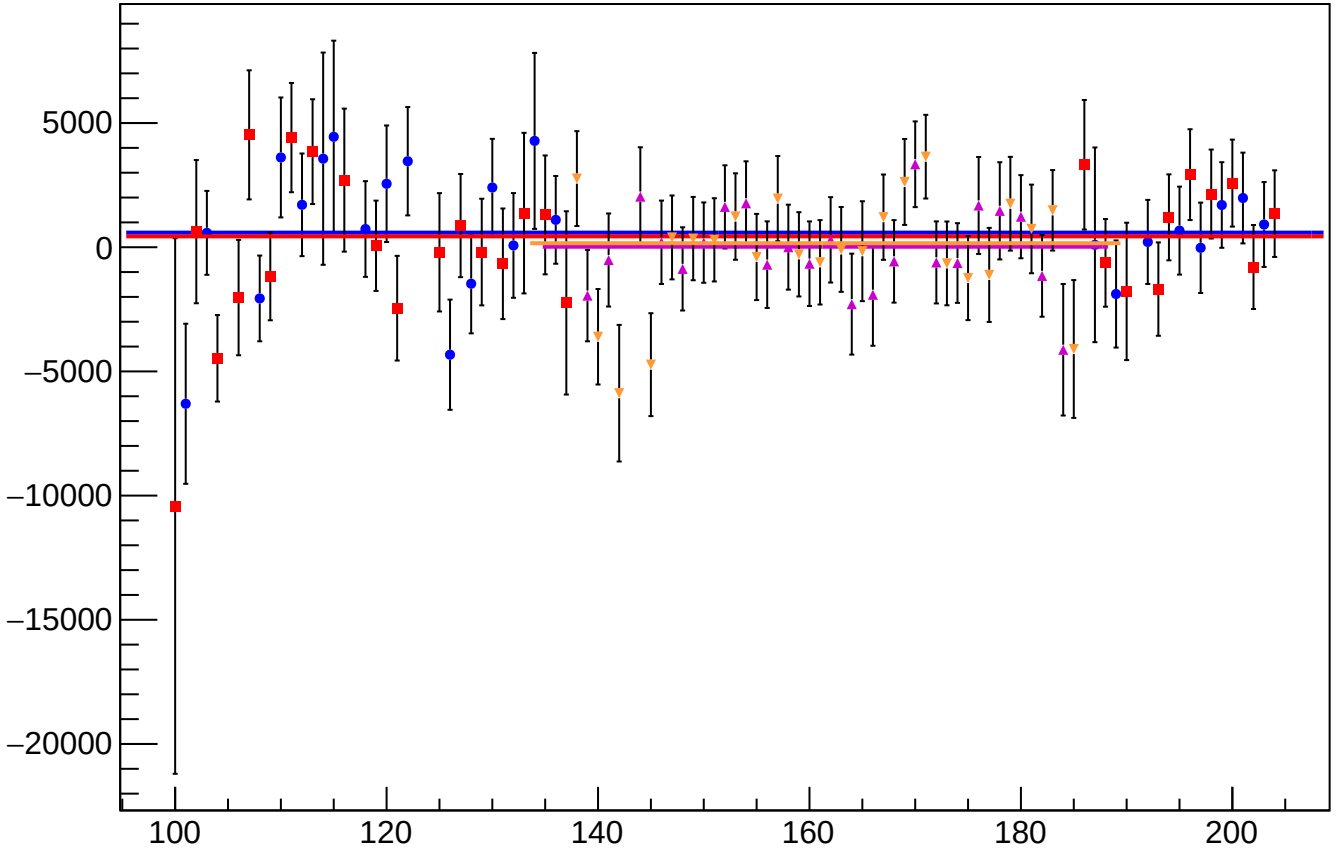
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 480.228+/-0.068 χ^2/NDF: 13065817.7/47

All: 479.067+/-0.048 χ^2/NDF: 27113255.0/98

- sign 477.946+/-0.067 χ^2/NDF: 14046868.2/50

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 587.915+/-424.881 χ^2/NDF: 23.3/23

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 437.309+/-401.806 χ^2/NDF: 31.8/27

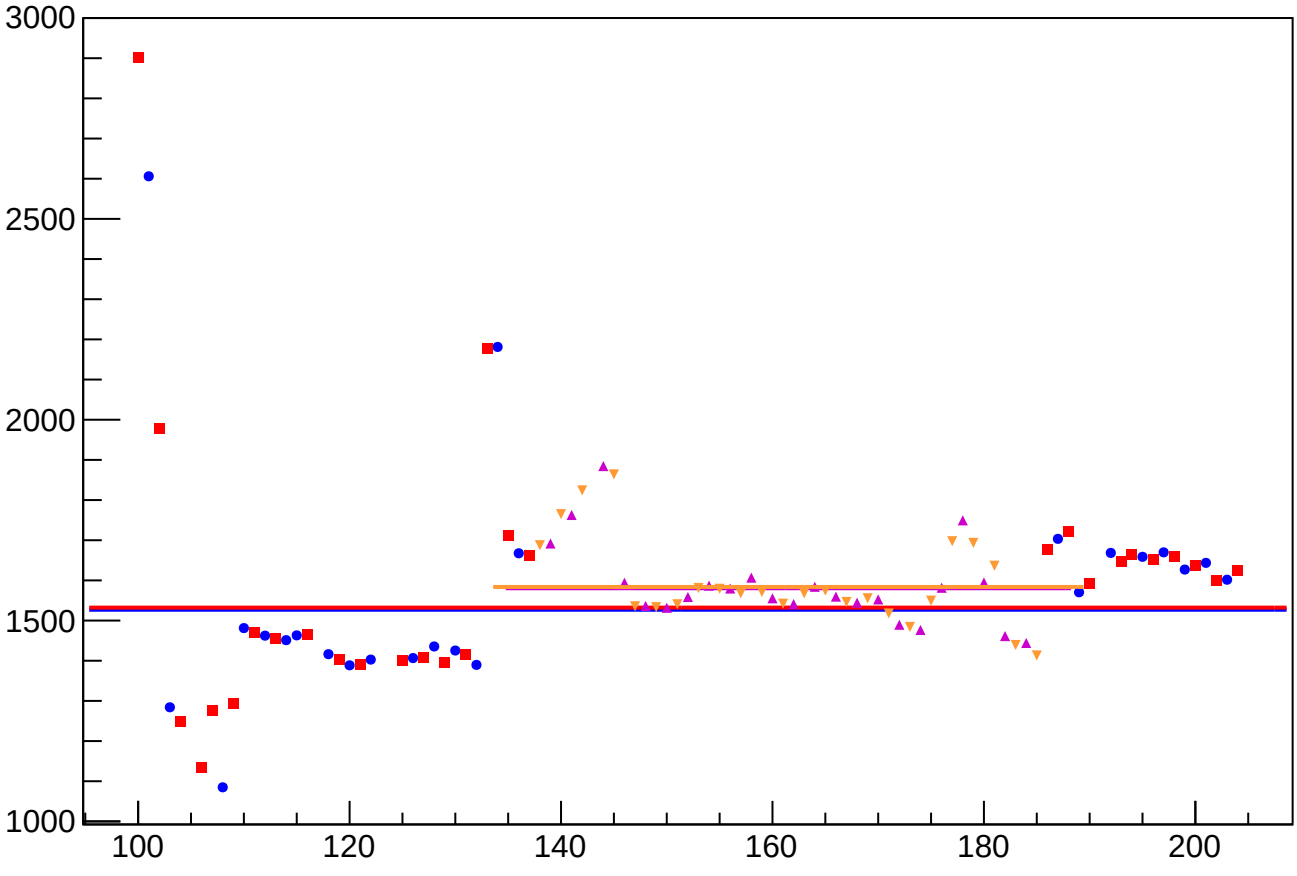
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

\+ sign 344.533+/-278.326 χ^2/NDF: 53.8/47

All: 276.510+/-194.565 χ^2/NDF: 102.3/98

\- sign 211.500+/-272.093 χ^2/NDF: 48.3/50

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1526.977+/-0.300 χ^2/NDF: 586409.4/23

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

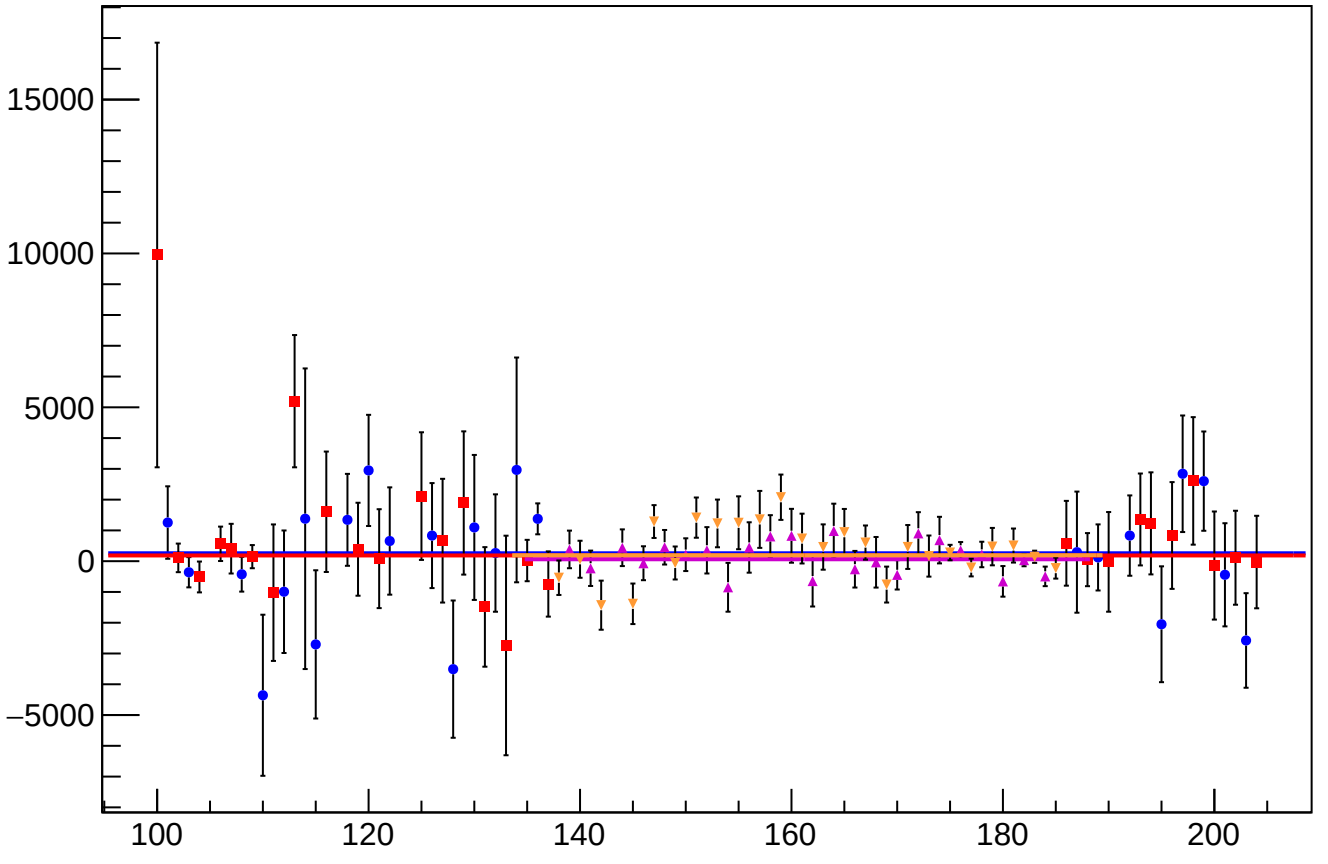
Right Out: 1532.242+/-0.284 χ^2/NDF: 476766.1/27

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1559.344+/-0.197 χ^2/NDF: 740323.2/47

All: 1558.836+/-0.138 χ^2/NDF: 1358445.2/98

- sign 1558.351+/-0.192 χ^2/NDF: 618108.9/50



Right In: 256.604+/-234.603 χ^2/NDF: 29.5/23

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

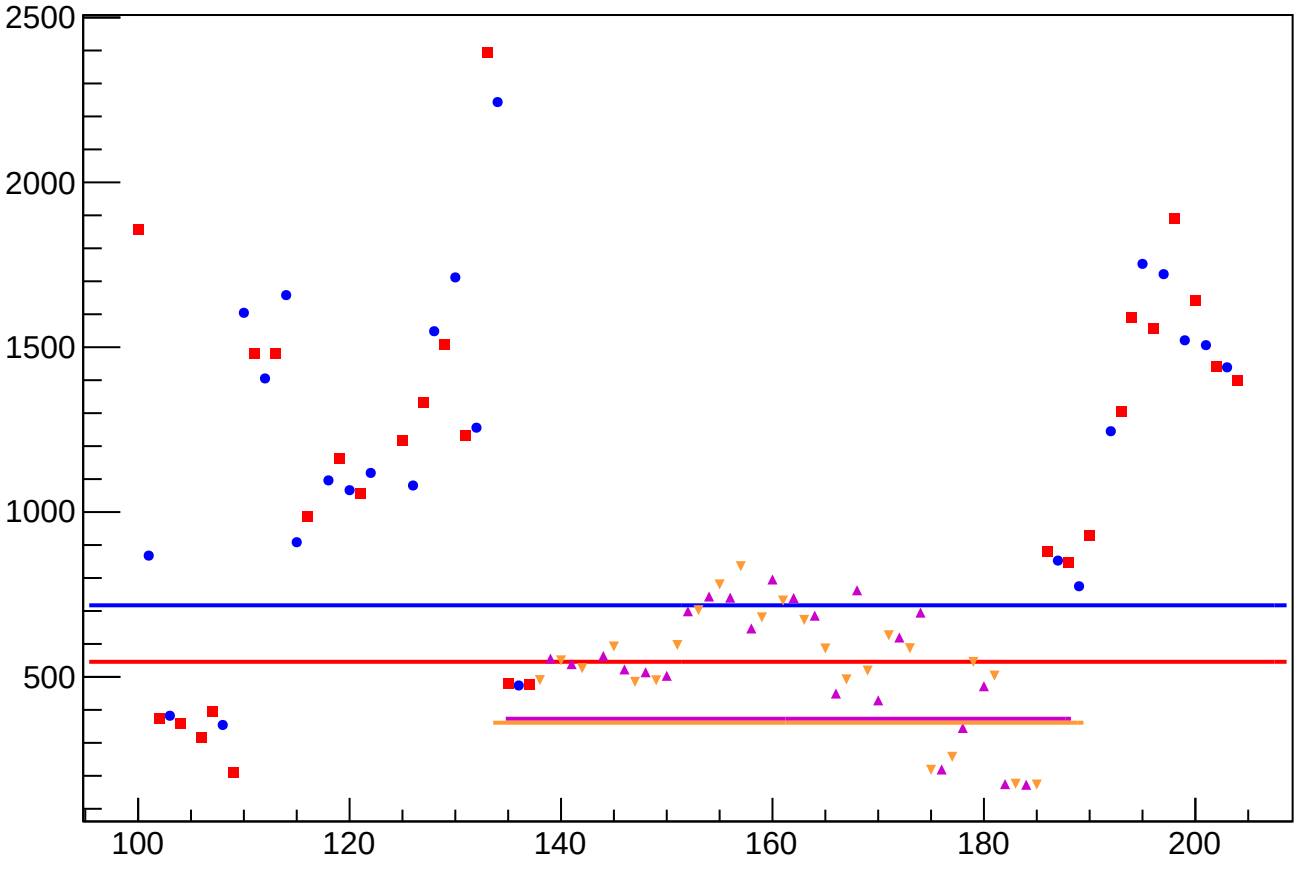
Right Out: 186.159+/-179.974 χ^2/NDF: 17.2/27

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 202.369+/-88.765 χ^2/NDF: 69.6/47

All: 145.863+/-62.214 χ^2/NDF: 105.0/98

- sign 91.303+/-87.224 χ^2/NDF: 34.6/50



Right In: 717.195+/-0.166 χ^2/NDF: 7248269.3/23

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

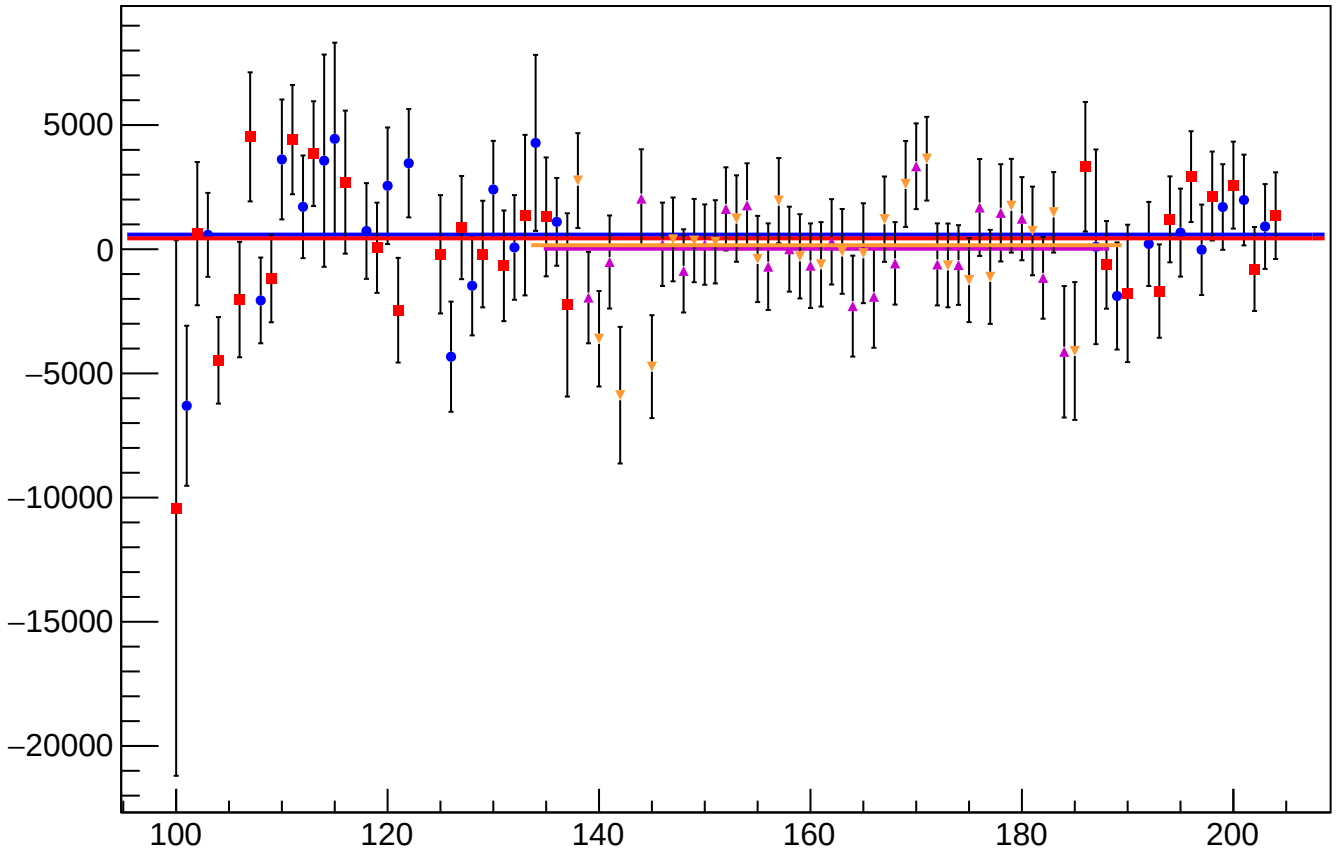
Right Out: 545.894+/-0.127 χ^2/NDF: 11061588.3/27

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 412.077+/-0.063 χ^2/NDF: 19379578.5/47

All: 412.911+/-0.044 χ^2/NDF: 40058789.9/98

- sign 413.717+/-0.062 χ^2/NDF: 20678864.3/50



Right In: 587.917+/-424.881 χ^2/NDF: 23.3/23

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: 437.309+/-401.806 χ^2/NDF: 31.8/27

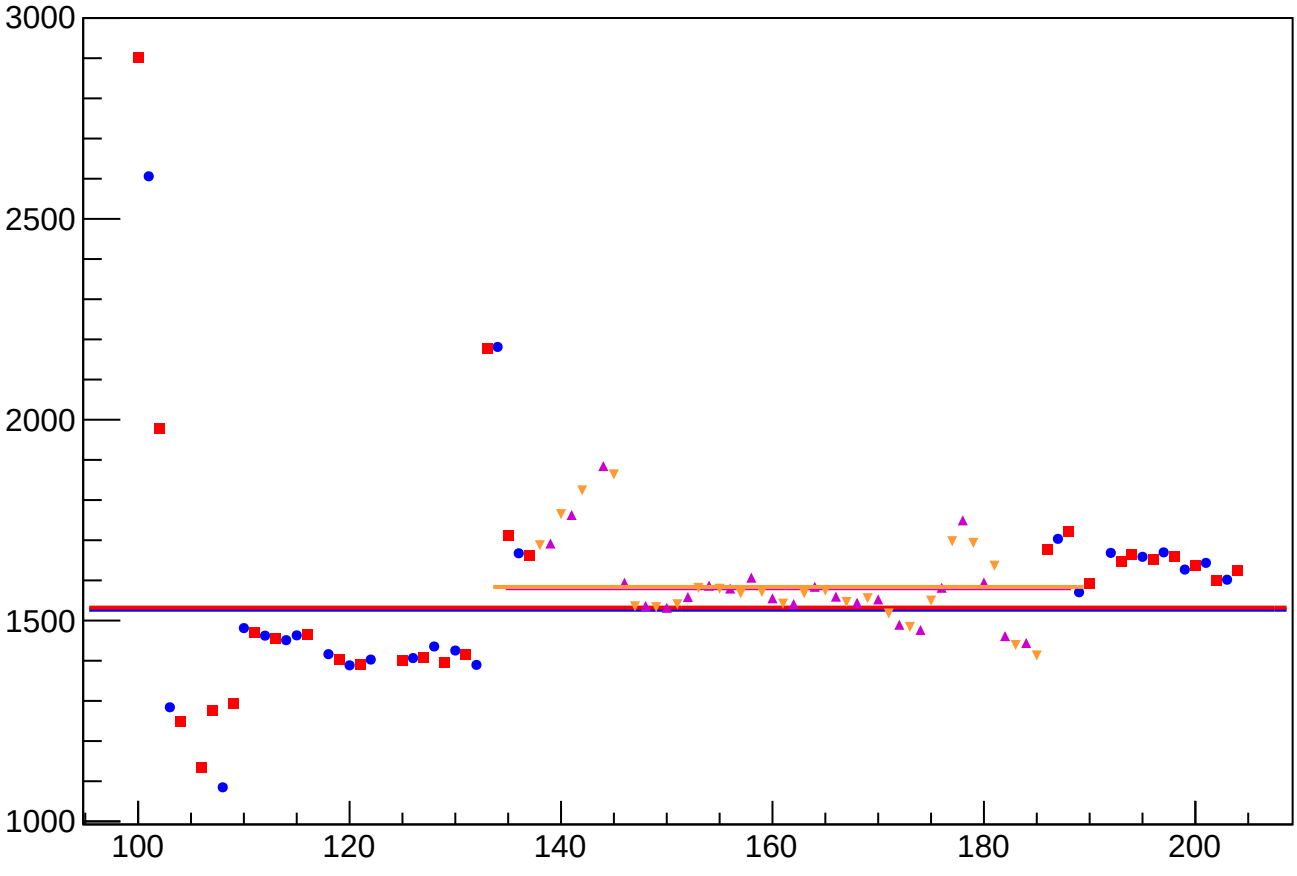
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 344.531+/-278.326 χ^2/NDF: 53.8/47

All: 276.509+/-194.565 χ^2/NDF: 102.3/98

- sign 211.499+/-272.093 χ^2/NDF: 48.3/50

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1526.977+/-0.300 χ^2/NDF: 586408.9/23

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

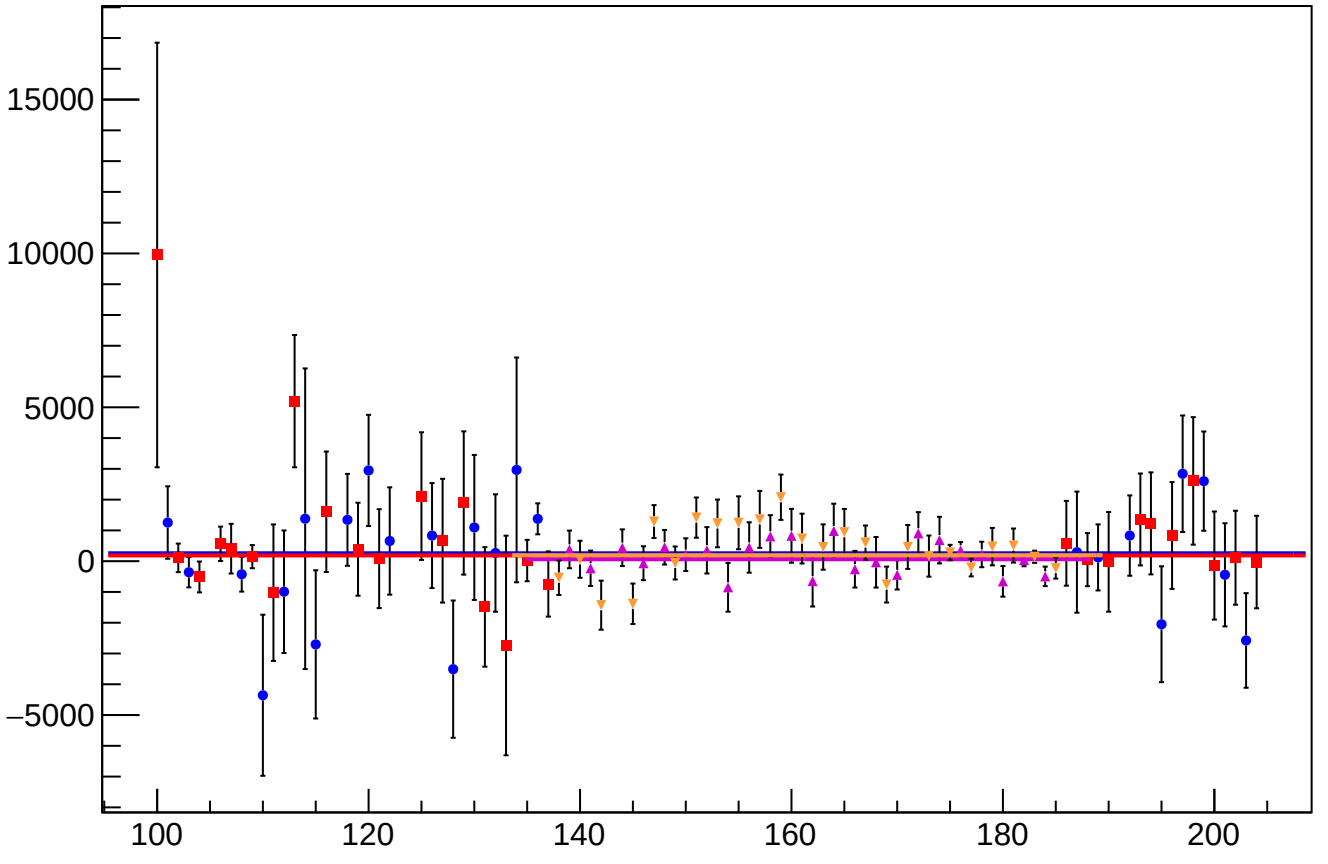
Right Out: 1532.241+/-0.284 χ^2/NDF: 476766.1/27

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1559.344+/-0.197 χ^2/NDF: 740322.7/47

All: 1558.836+/-0.138 χ^2/NDF: 1358444.6/98

- sign 1558.351+/-0.192 χ^2/NDF: 618108.9/50



Right In: 256.598+/-234.603 χ^2/NDF: 29.5/23

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

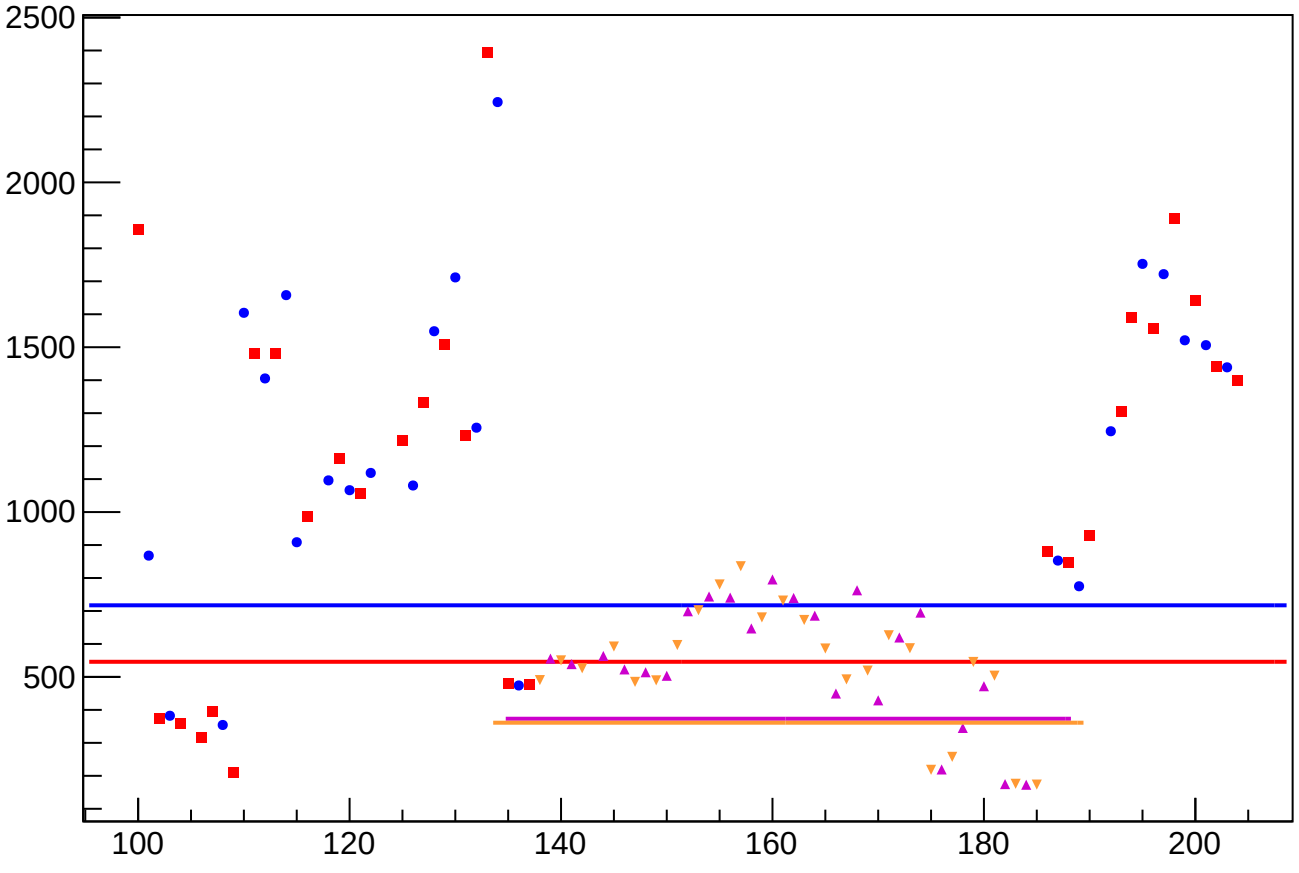
Right Out: 186.156+/-179.975 χ^2/NDF: 17.2/27

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

\+ sign 202.372+/-88.765 χ^2/NDF: 69.6/47

All: 145.864+/-62.214 χ^2/NDF: 105.0/98

\- sign 91.300+/-87.224 χ^2/NDF: 34.6/50



Right In: 717.194+/-0.166 χ^2/NDF: 7248318.6/23

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 545.900+/-0.127 χ^2/NDF: 11061447.7/27

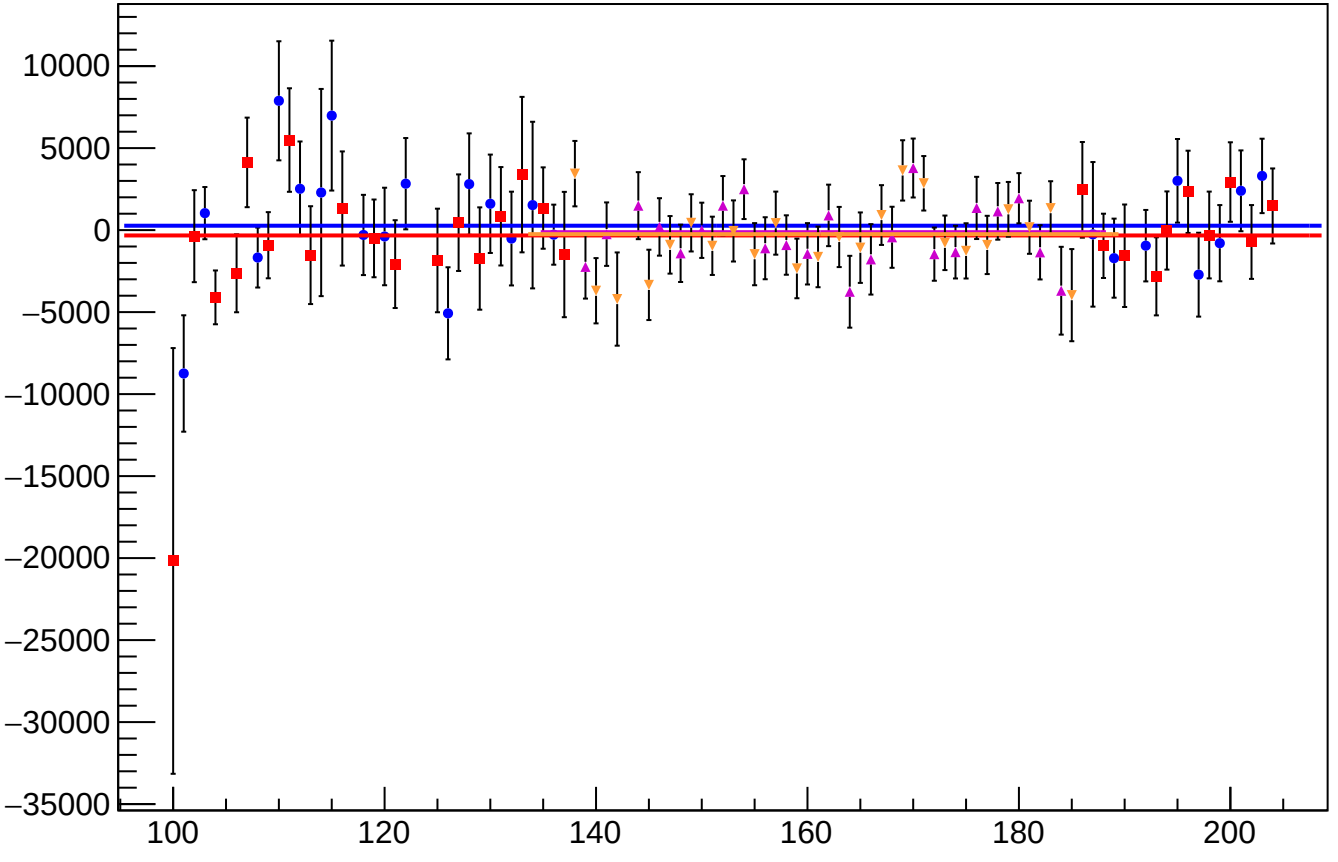
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 412.081+/-0.063 χ^2/NDF: 19379354.9/47

All: 412.916+/-0.044 χ^2/NDF: 40058190.7/98

- sign 413.722+/-0.062 χ^2/NDF: 20678488.0/50

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 267.841+/-531.650 χ^2/NDF: 27.0/23

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -326.166+/-495.549 χ^2/NDF: 23.2/27

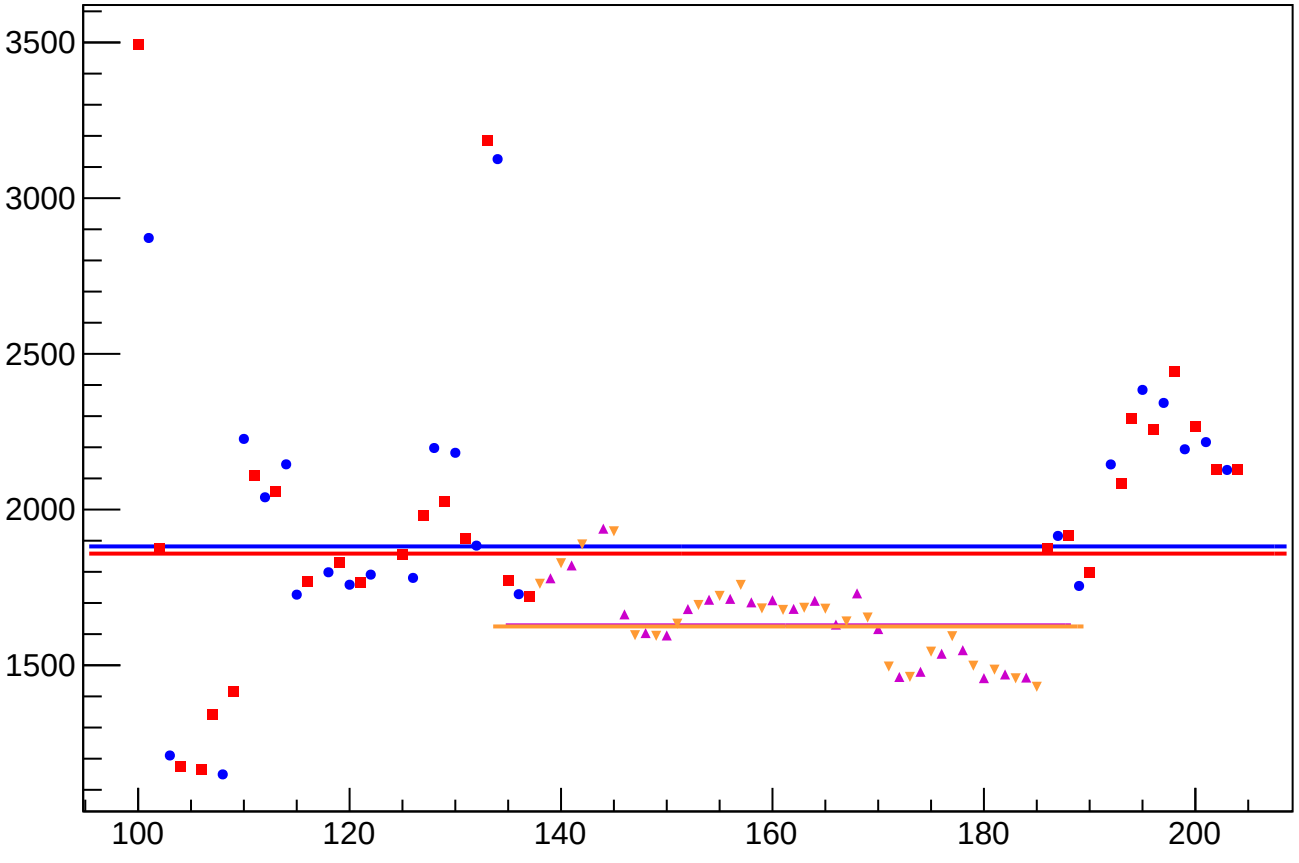
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -74.066+/-308.191 χ^2/NDF: 53.7/47

All: -138.530+/-215.774 χ^2/NDF: 98.3/98

- sign -200.511+/-302.198 χ^2/NDF: 44.5/50

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1881.630+/-0.376 χ^2/NDF: 1320926.8/23

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

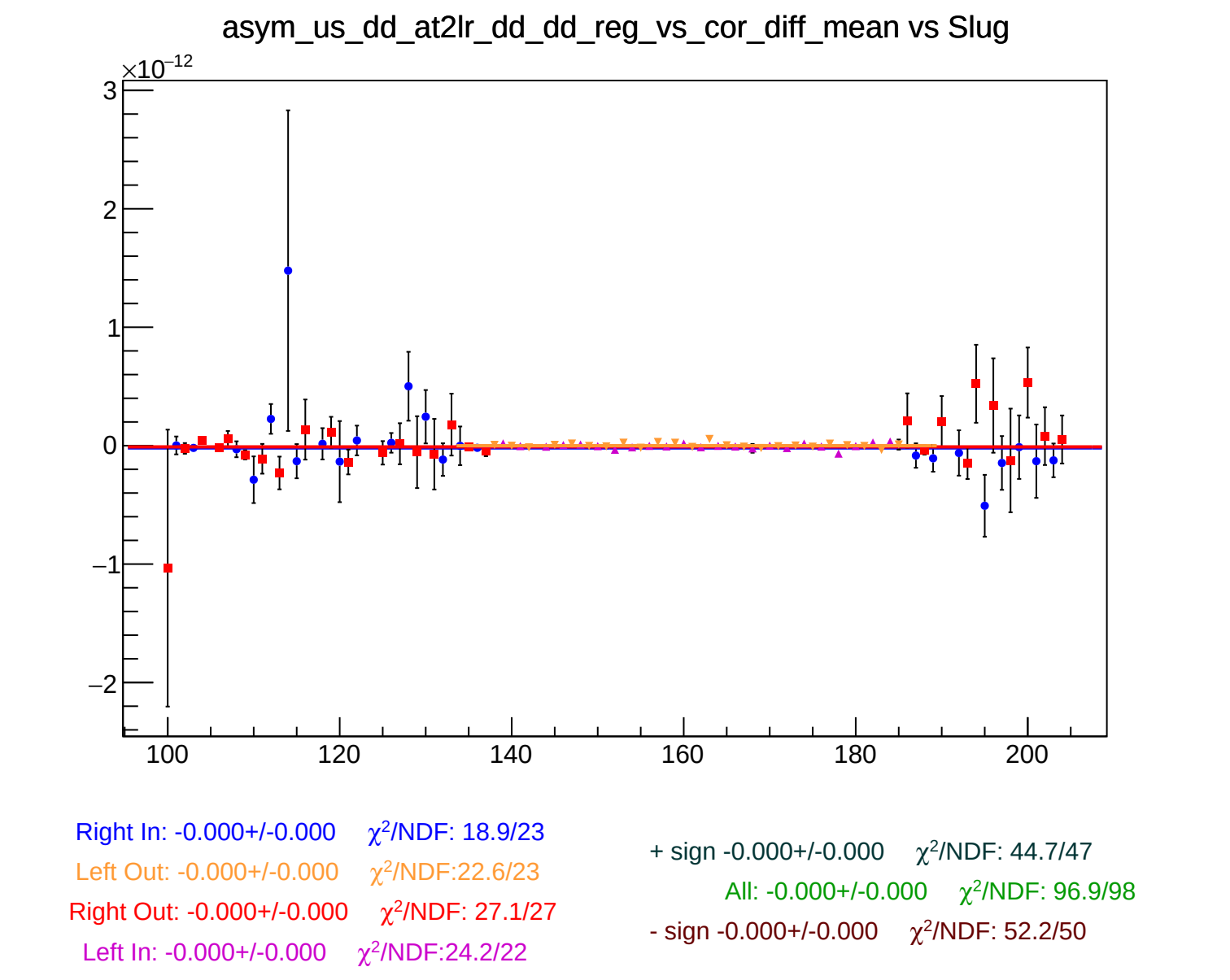
Right Out: 1858.542+/-0.350 χ^2/NDF: 1261950.5/27

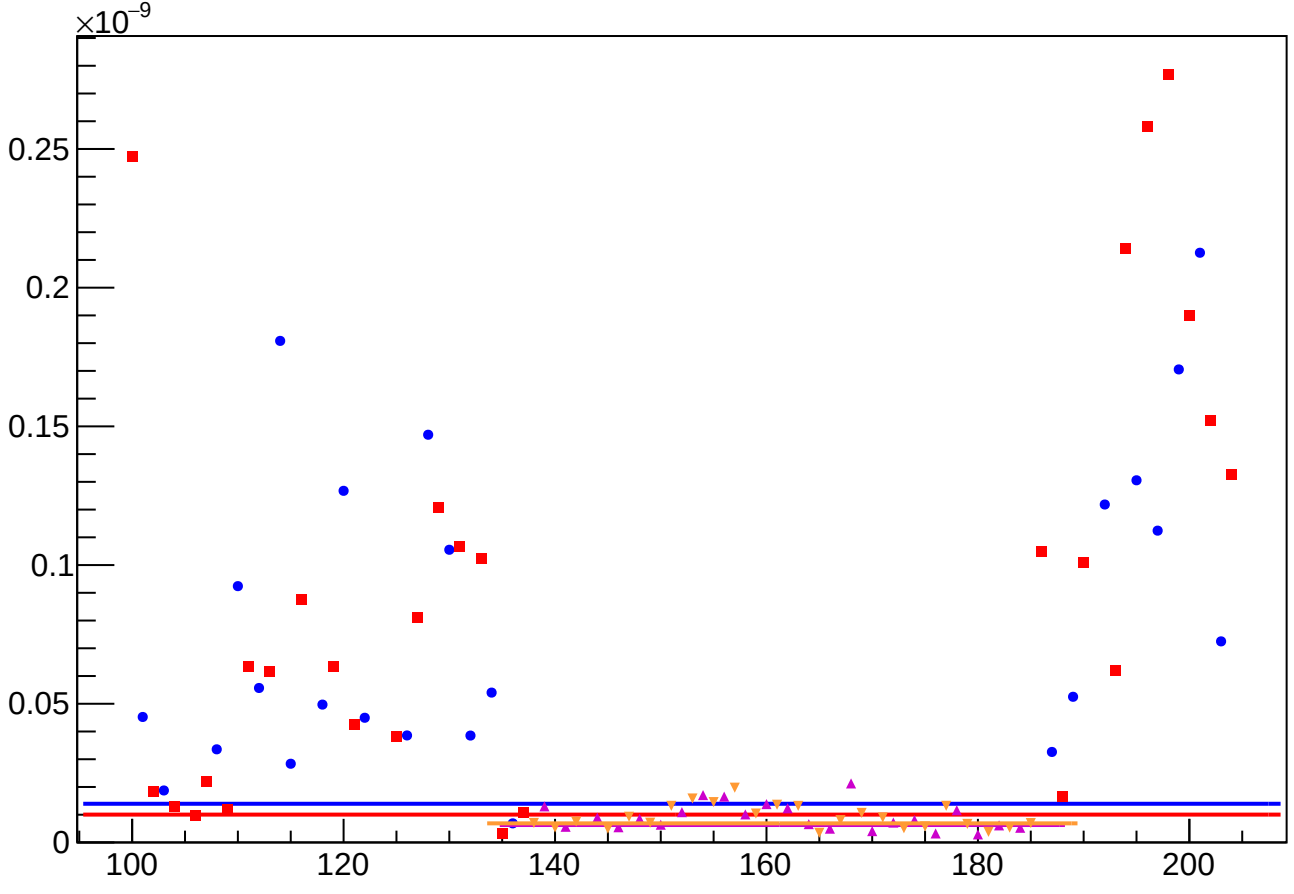
Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

\+ sign 1710.982+/-0.218 χ^2/NDF: 1838526.6/47

All: 1712.457+/-0.153 χ^2/NDF: 3576819.8/98

\- sign 1713.875+/-0.214 χ^2/NDF: 1738203.3/50


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: 18.9/23
Left Out: -0.000+/-0.000 χ²/NDF:22.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.1/27
Left In: -0.000+/-0.000 χ²/NDF:24.2/22
+ sign -0.000+/-0.000 χ²/NDF: 44.7/47
All: -0.000+/-0.000 χ²/NDF: 96.9/98
- sign -0.000+/-0.000 χ²/NDF: 52.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 7047637.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

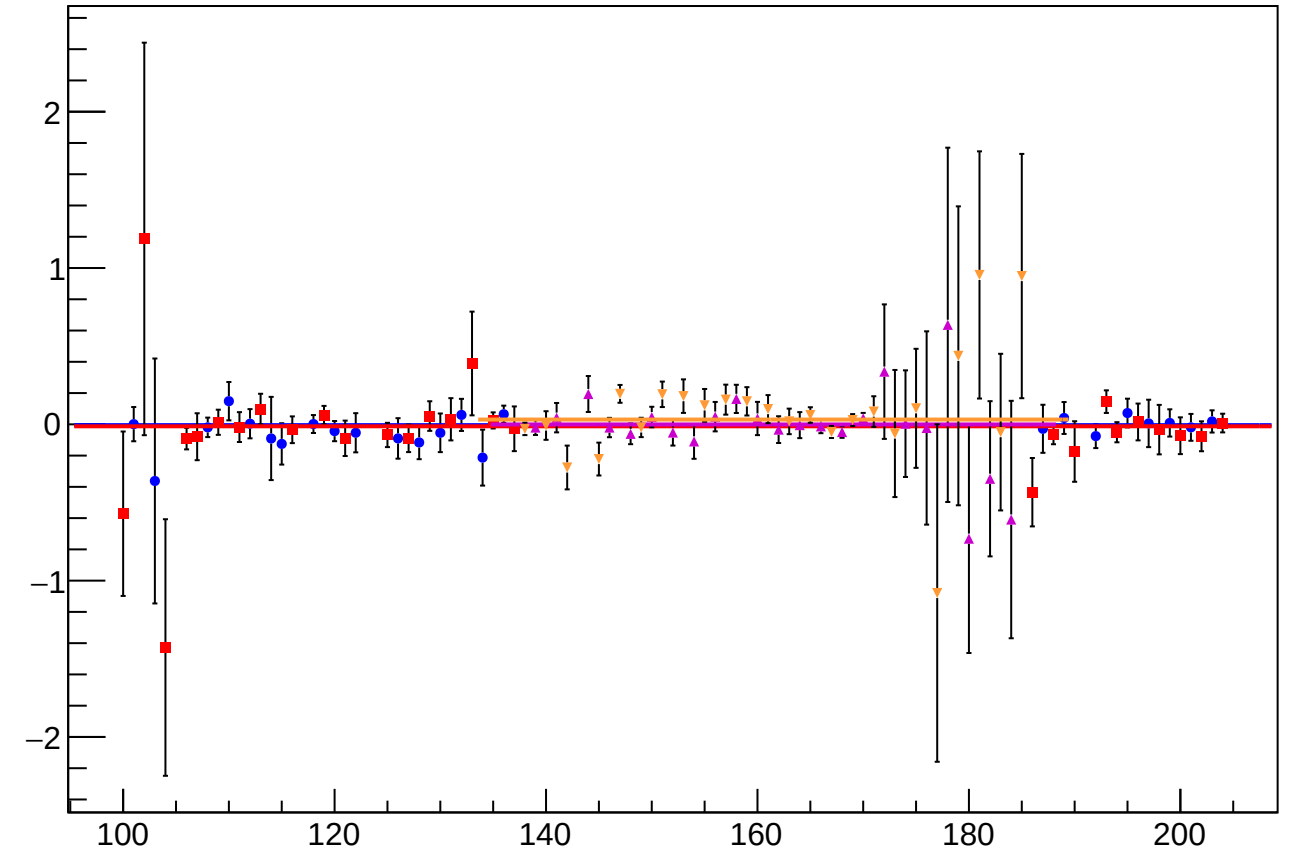
Right Out: 0.000+/-0.000 χ^2/NDF: 9093766.0/27

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10207285.7/47

All: 0.000+/-0.000 χ^2/NDF: 22631714.3/98

- sign 0.000+/-0.000 χ^2/NDF: 12341731.5/50



Right In: -0.005+/-0.019 χ^2/NDF: 10.3/23

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

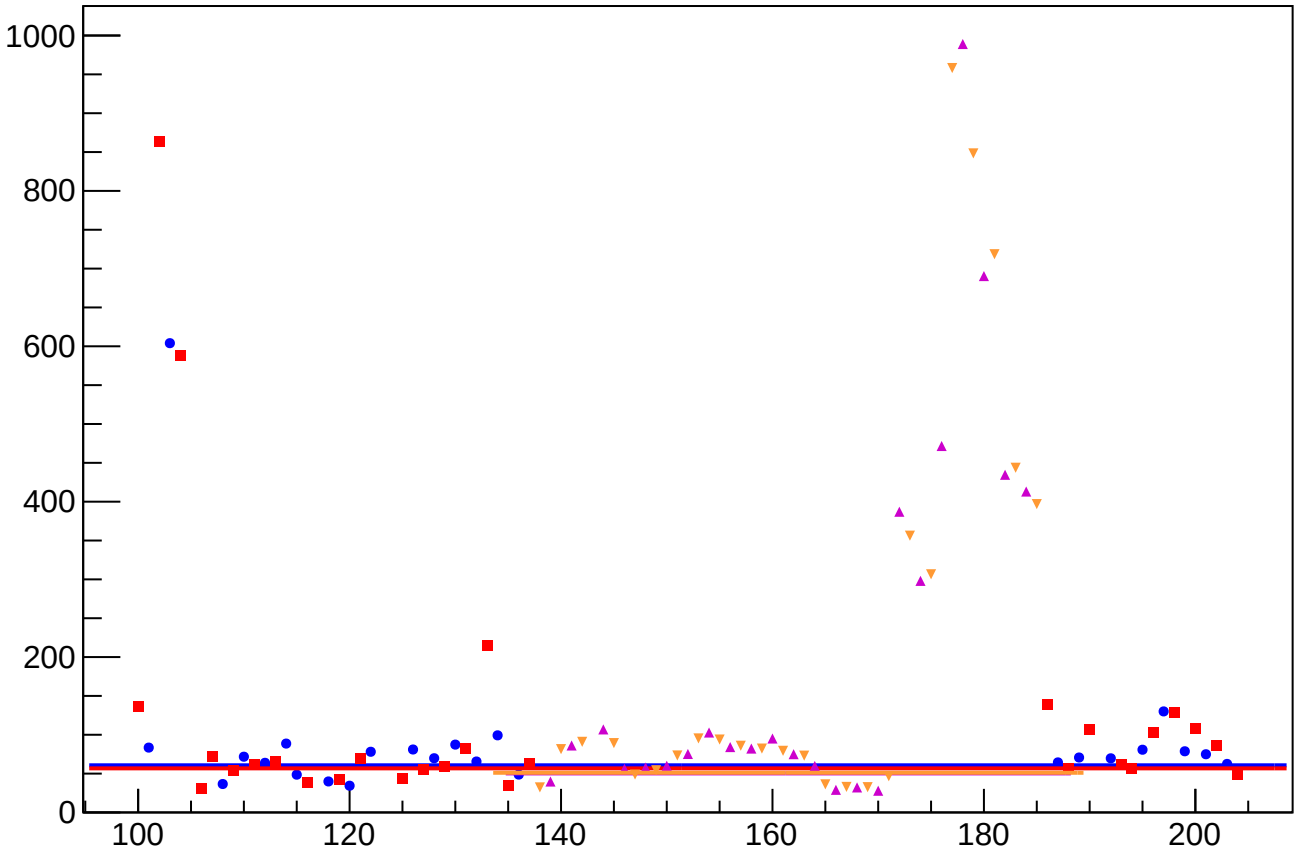
Right Out: -0.013+/-0.017 χ^2/NDF: 25.0/27

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.012 χ^2/NDF: 54.0/47

All: 0.005+/-0.008 χ^2/NDF: 97.0/98

- sign -0.006+/-0.011 χ^2/NDF: 41.2/50



Right In: 60.701+/-0.013 χ^2/NDF: 3089224.2/23

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

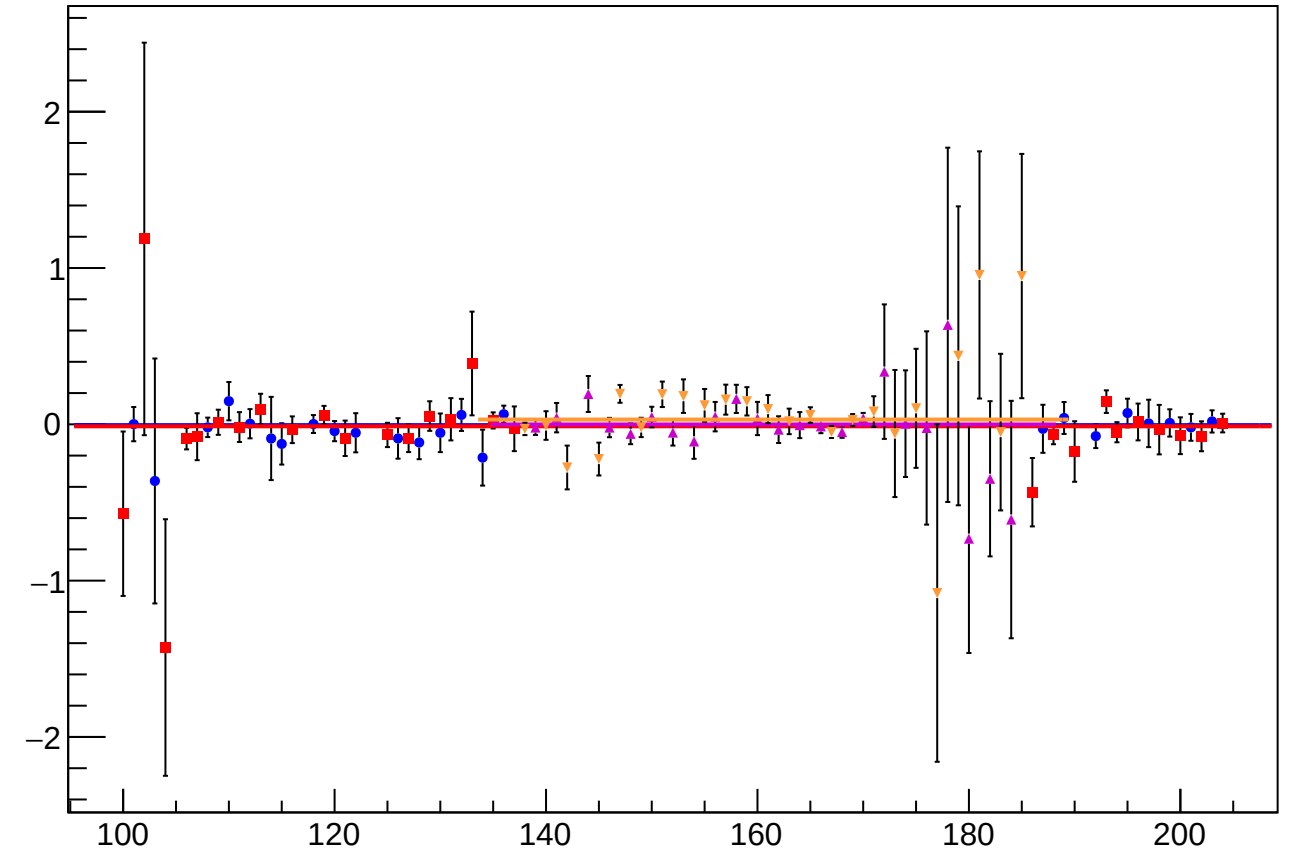
Right Out: 56.751+/-0.012 χ^2/NDF: 4985200.7/27

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 54.948+/-0.008 χ^2/NDF: 15136671.7/47

All: 53.982+/-0.006 χ^2/NDF: 32501648.4/98

- sign 53.100+/-0.008 χ^2/NDF: 17340033.9/50



Right In: -0.005+/-0.019 χ^2/NDF: 10.3/23

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

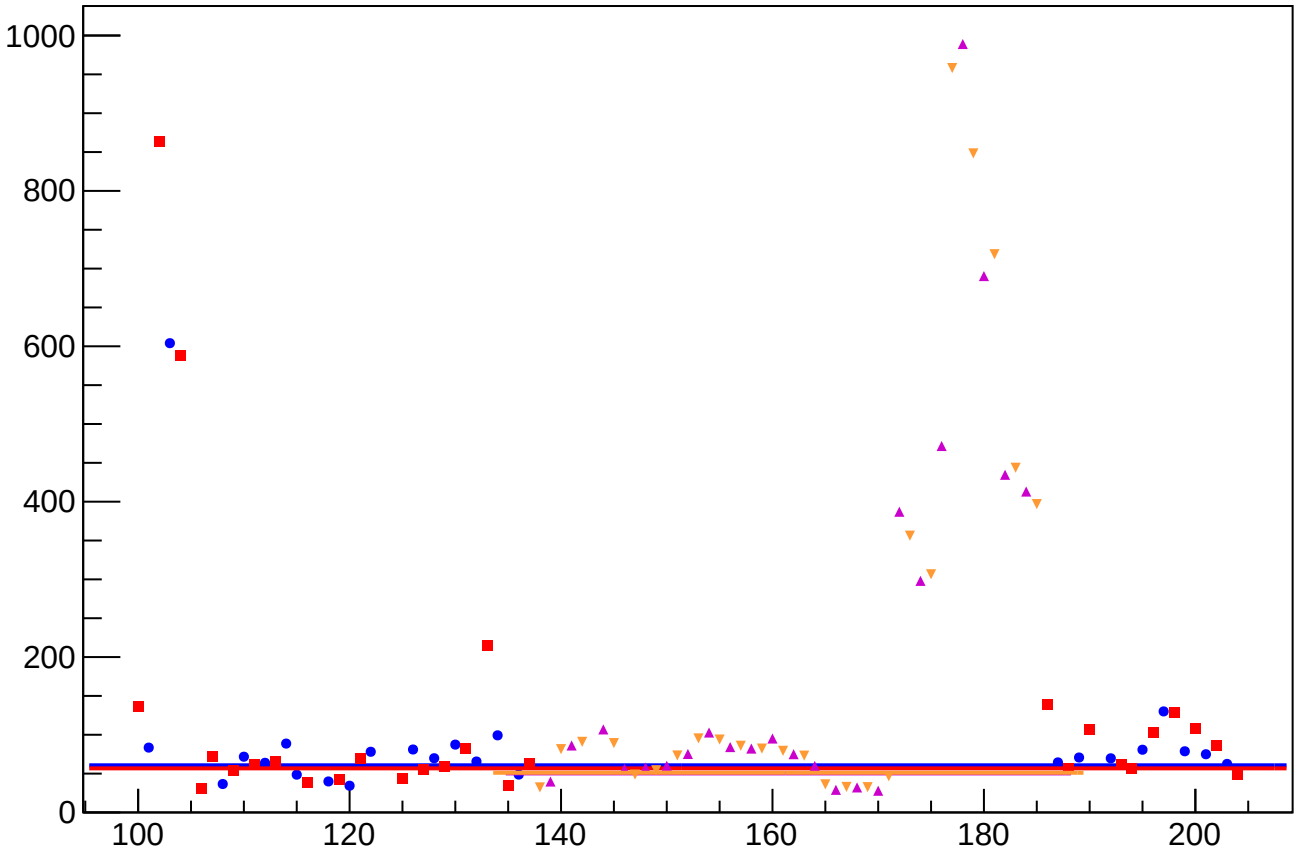
Right Out: -0.013+/-0.017 χ^2/NDF: 25.0/27

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.012 χ^2/NDF: 54.0/47

All: 0.005+/-0.008 χ^2/NDF: 97.0/98

- sign -0.006+/-0.011 χ^2/NDF: 41.2/50



Right In: 60.701+/-0.013 χ^2/NDF: 3089224.2/23

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

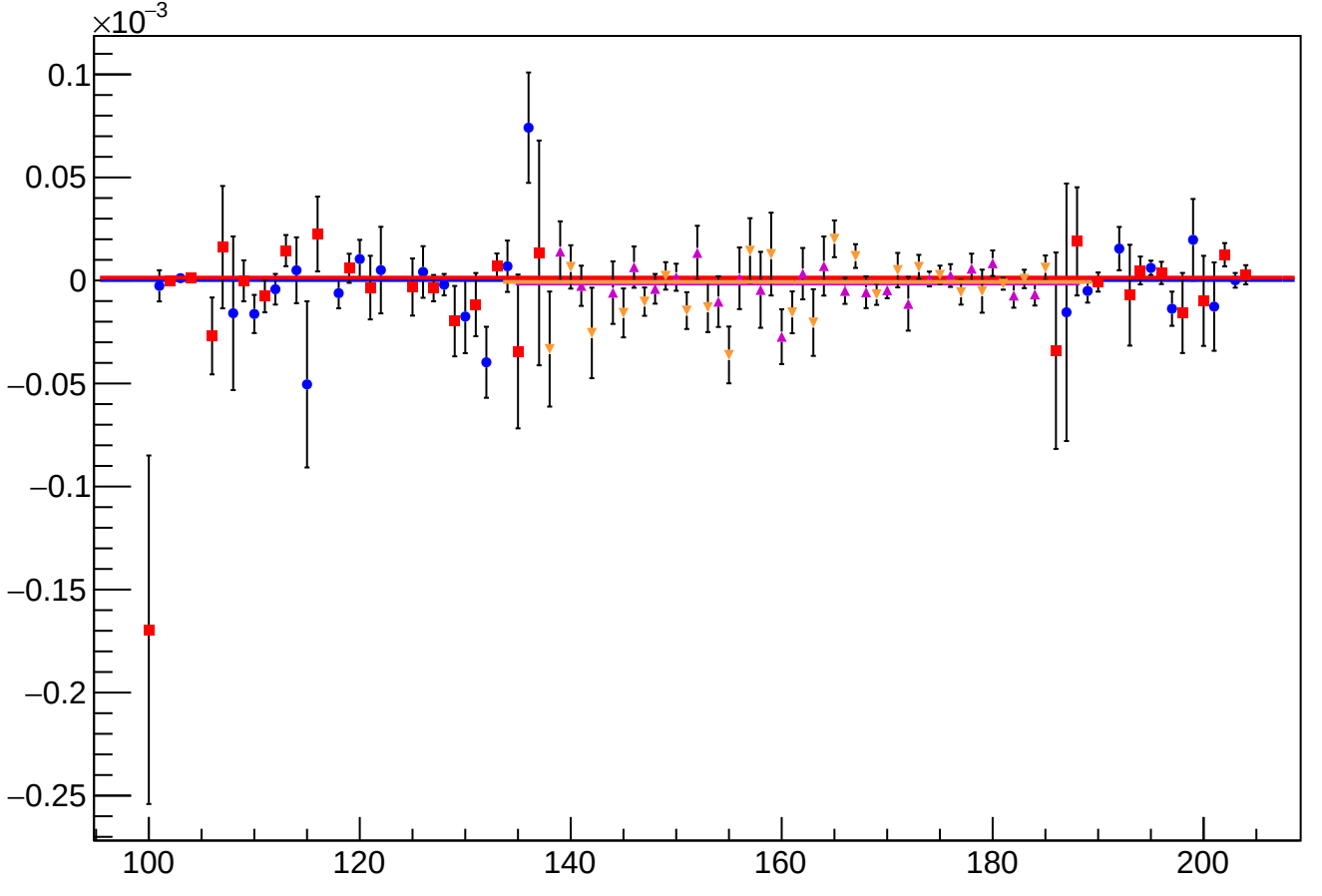
Right Out: 56.751+/-0.012 χ^2/NDF: 4985200.7/27

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 54.948+/-0.008 χ^2/NDF: 15136671.7/47

All: 53.982+/-0.006 χ^2/NDF: 32501648.4/98

- sign 53.100+/-0.008 χ^2/NDF: 17340033.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 32.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

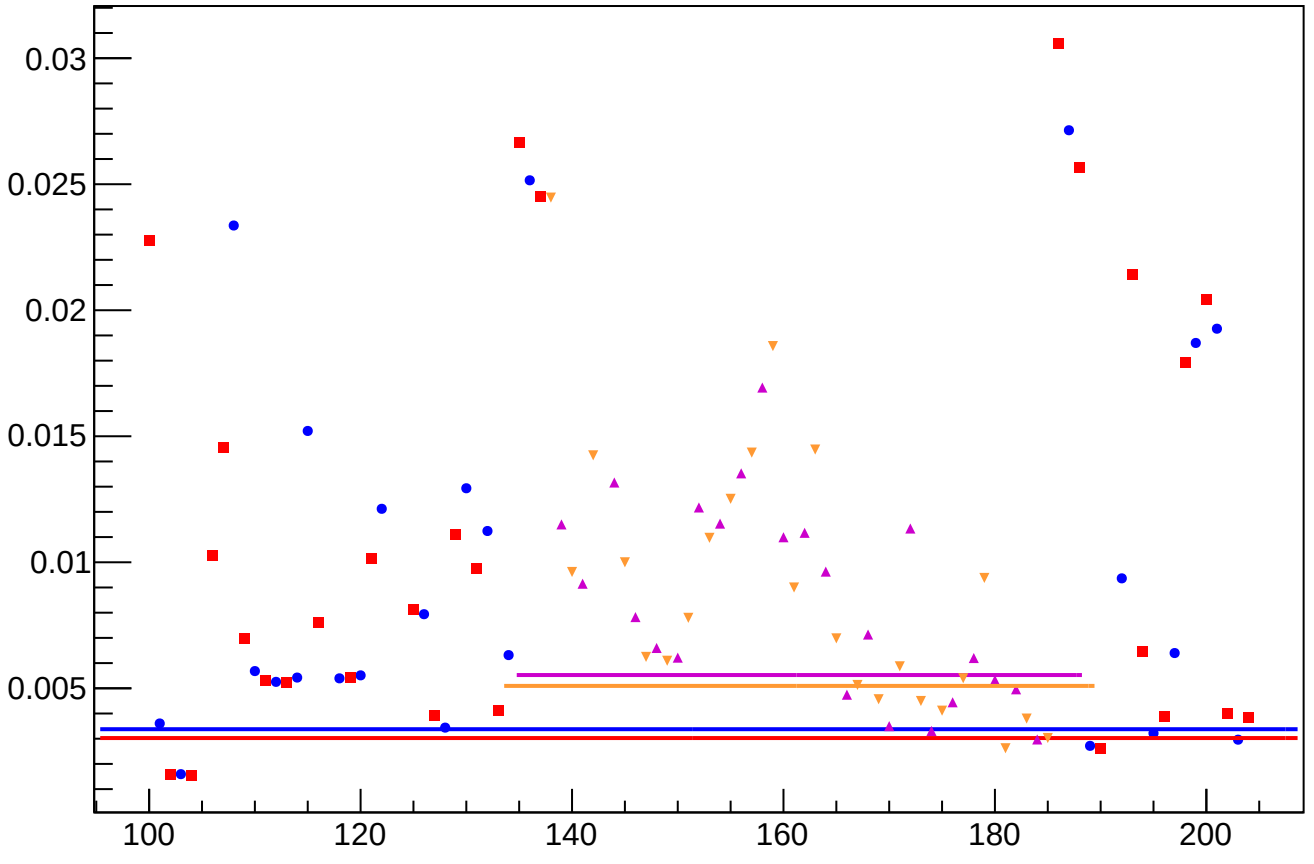
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/27

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.9/47

All: 0.000+/-0.000 χ^2/NDF: 114.7/98

- sign 0.000+/-0.000 χ^2/NDF: 43.6/50



Right In: 0.003+/-0.000 χ^2/NDF: 9398116.0/23

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

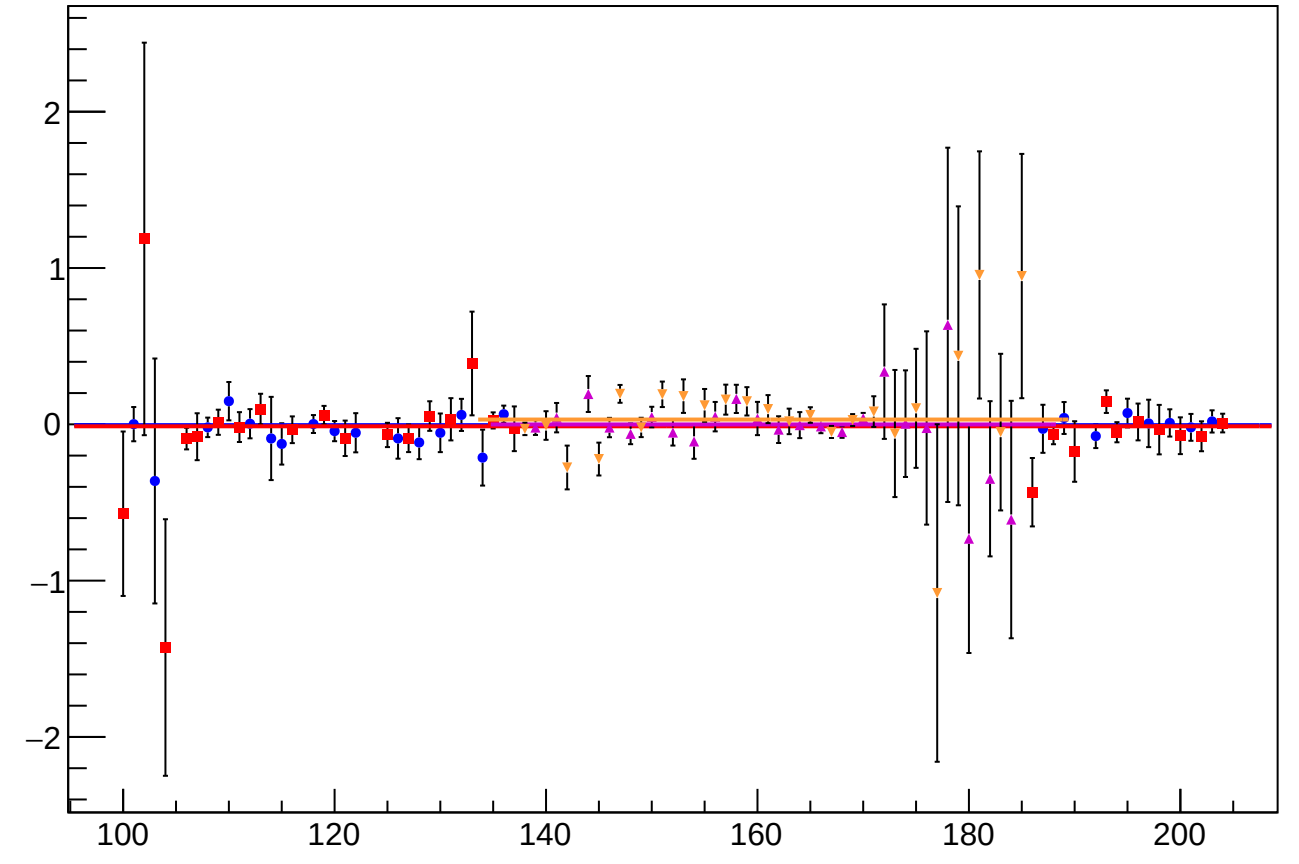
Right Out: 0.003+/-0.000 χ^2/NDF: 12963728.6/27

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 19415917.6/47

All: 0.004+/-0.000 χ^2/NDF: 42914171.8/98

- sign 0.004+/-0.000 χ^2/NDF: 23414412.9/50



Right In: -0.005+/-0.019 χ^2/NDF: 10.3/23

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

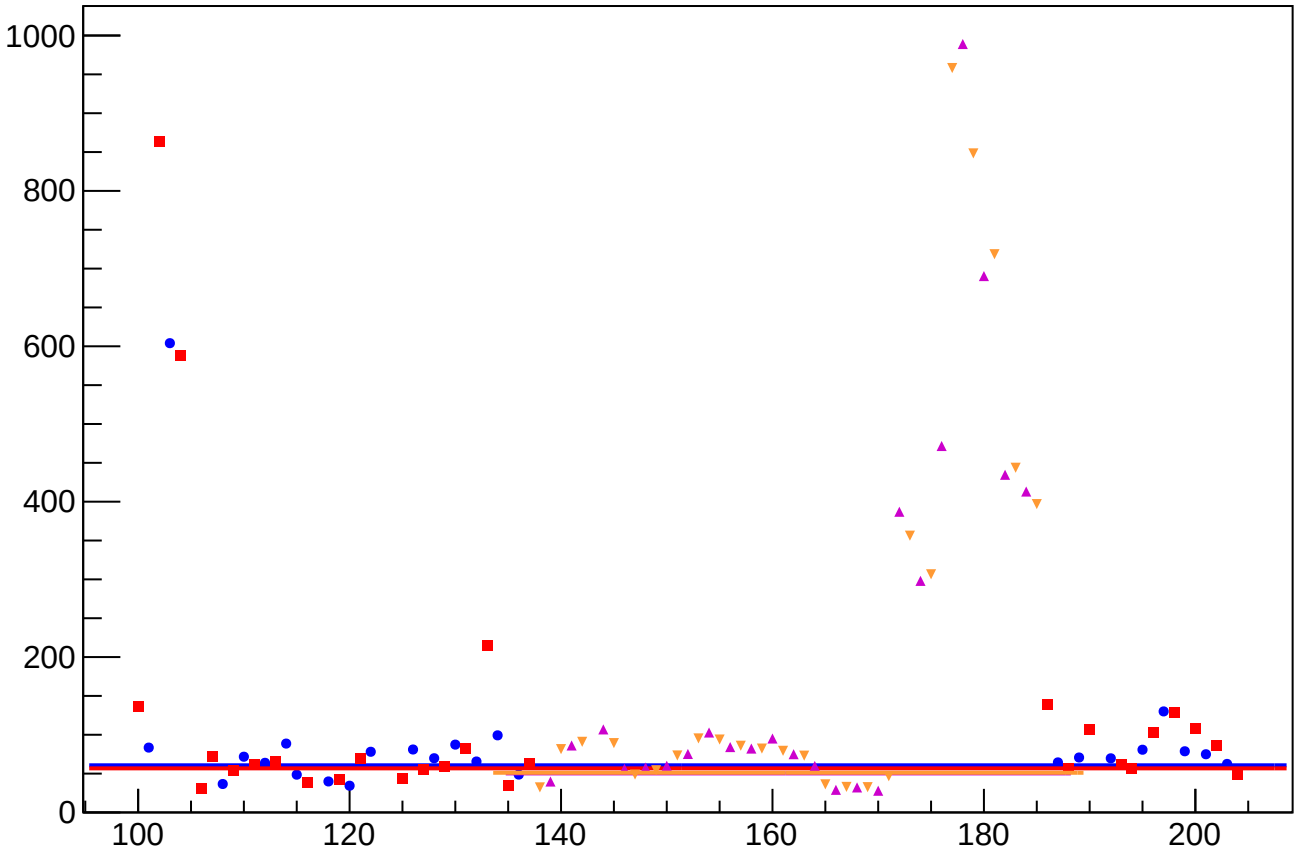
Right Out: -0.013+/-0.017 χ^2/NDF: 25.0/27

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.012 χ^2/NDF: 54.0/47

All: 0.005+/-0.008 χ^2/NDF: 97.0/98

- sign -0.006+/-0.011 χ^2/NDF: 41.2/50



Right In: 60.703+/-0.013 χ^2/NDF: 3088631.2/23

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

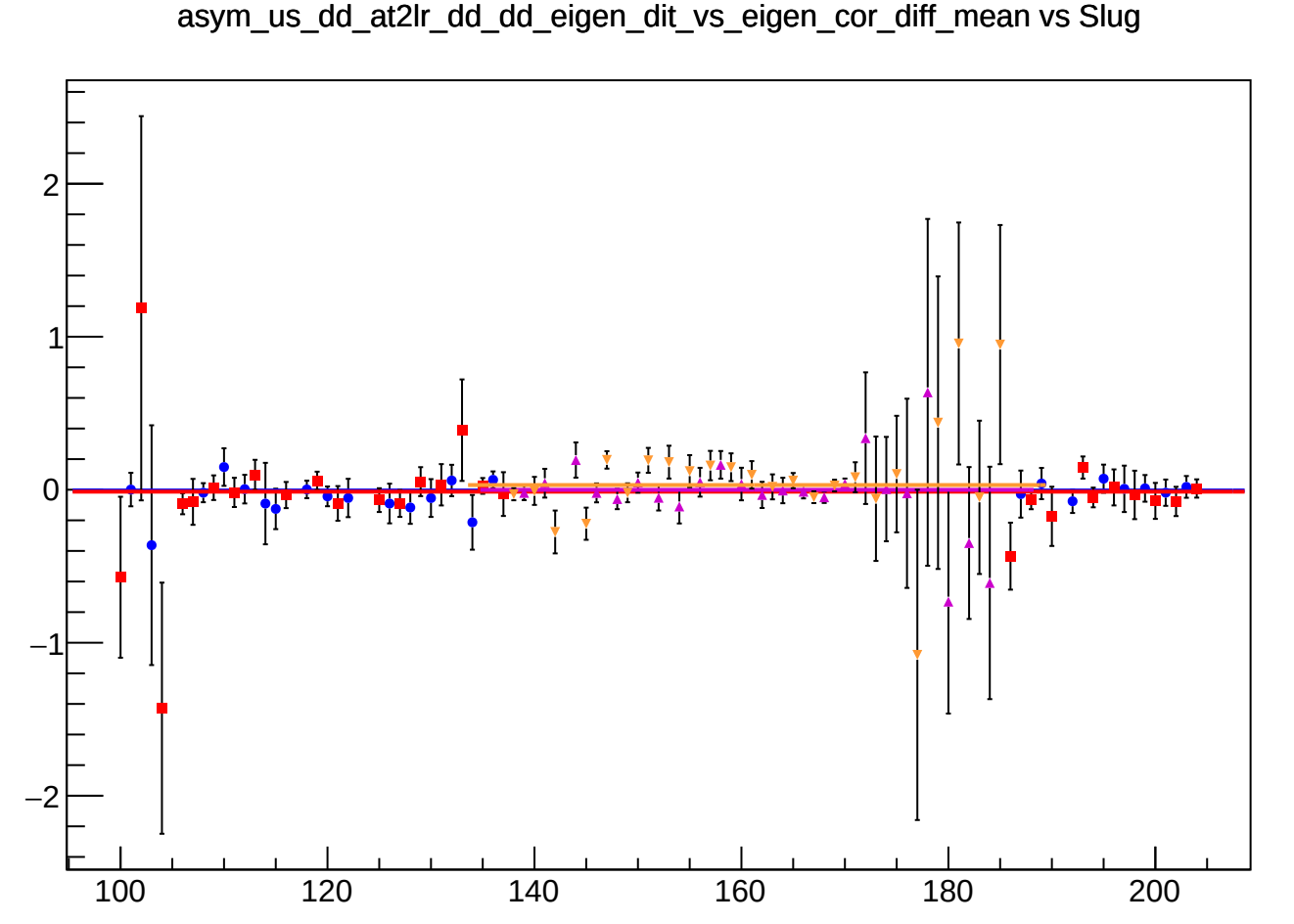
Right Out: 56.752+/-0.012 χ^2/NDF: 4984953.2/27

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 54.951+/-0.008 χ^2/NDF: 15135235.7/47

All: 53.984+/-0.006 χ^2/NDF: 32500014.0/98

- sign 53.101+/-0.008 χ^2/NDF: 17339784.1/50



Right In: -0.005+/-0.019 χ^2/NDF: 10.3/23

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

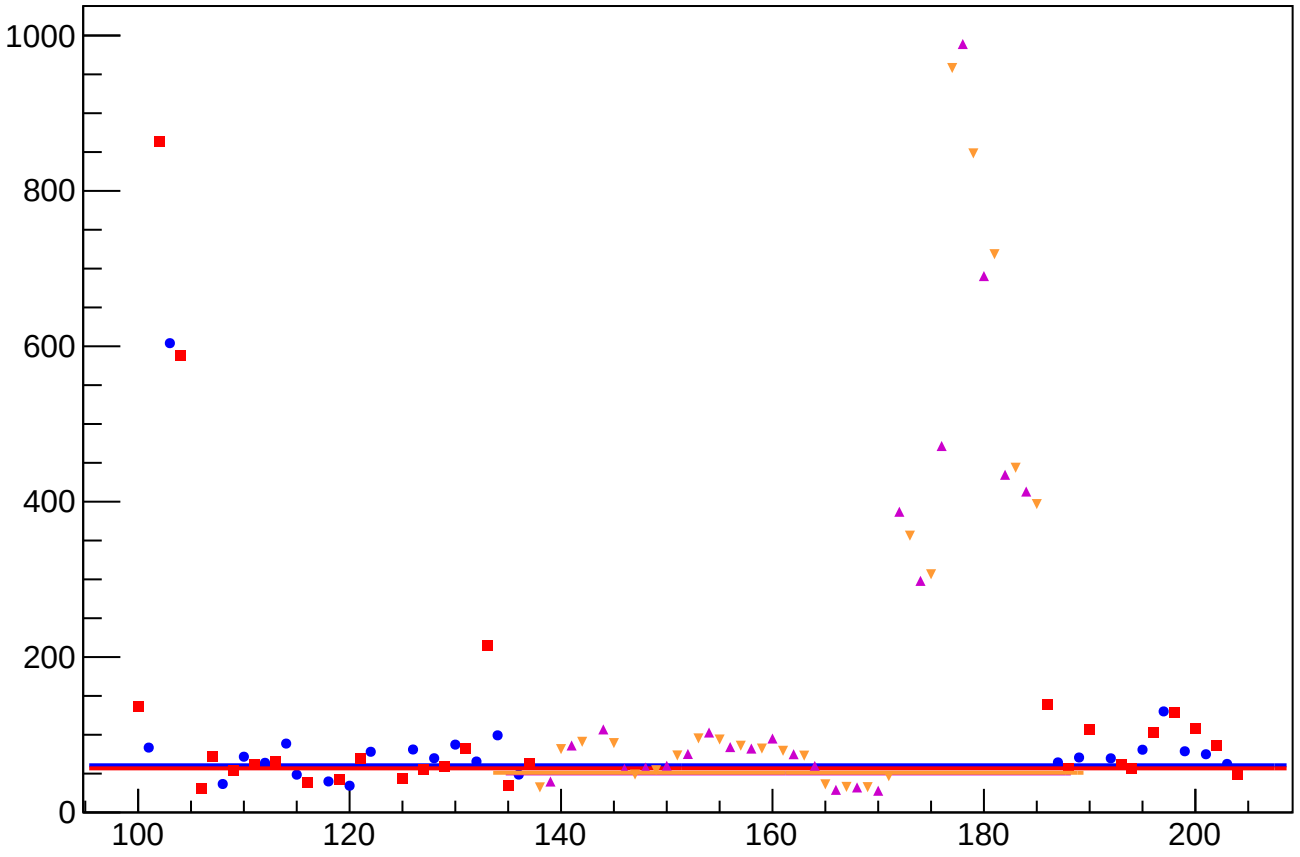
Right Out: -0.013+/-0.017 χ^2/NDF: 25.0/27

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.012 χ^2/NDF: 54.0/47

All: 0.005+/-0.008 χ^2/NDF: 97.0/98

- sign -0.006+/-0.011 χ^2/NDF: 41.2/50



Right In: 60.703+/-0.013 χ^2/NDF: 3088631.2/23

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

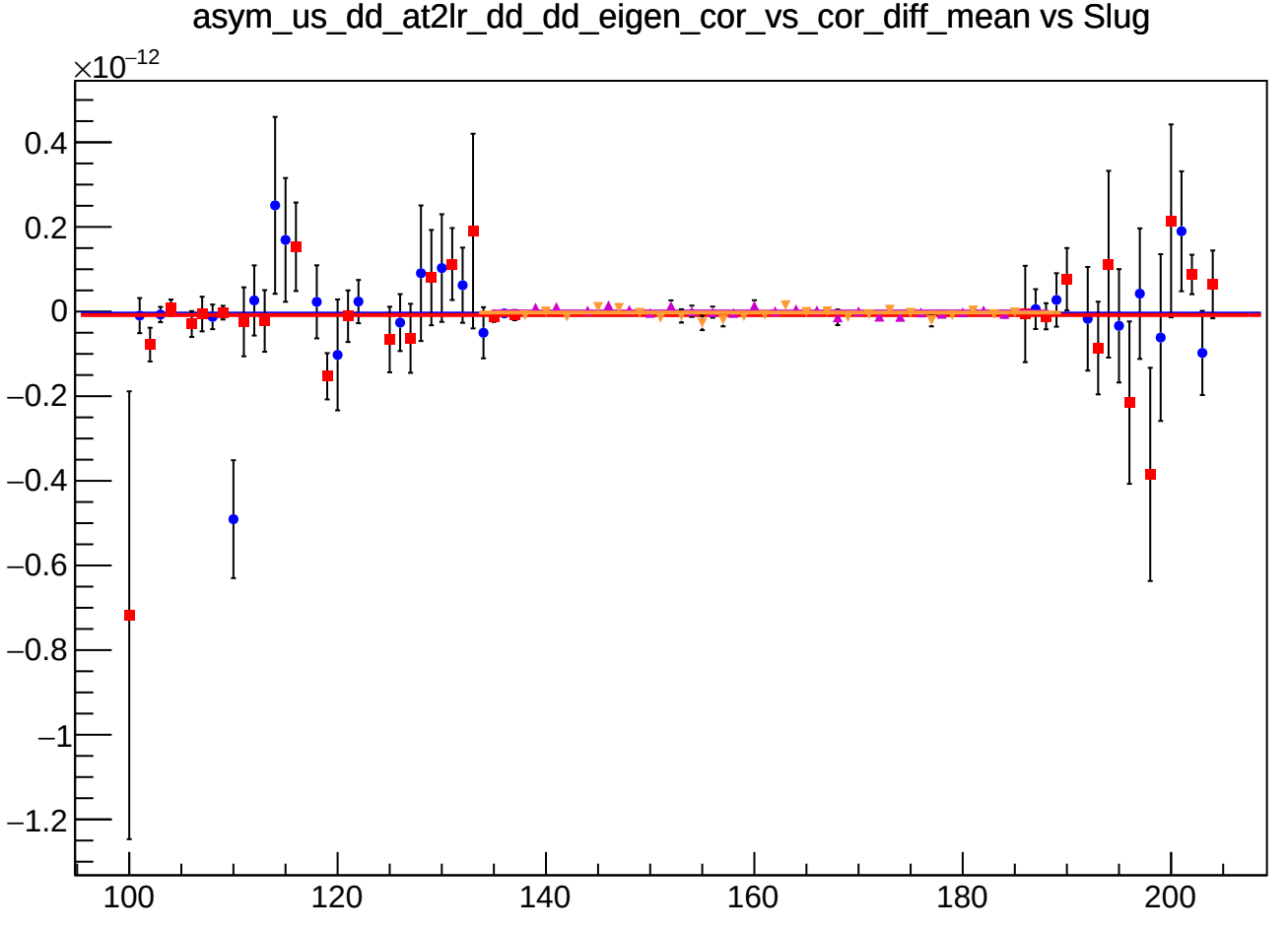
Right Out: 56.752+/-0.012 χ^2/NDF: 4984953.2/27

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 54.951+/-0.008 χ^2/NDF: 15135235.7/47

All: 53.984+/-0.006 χ^2/NDF: 32500014.0/98

- sign 53.101+/-0.008 χ^2/NDF: 17339784.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

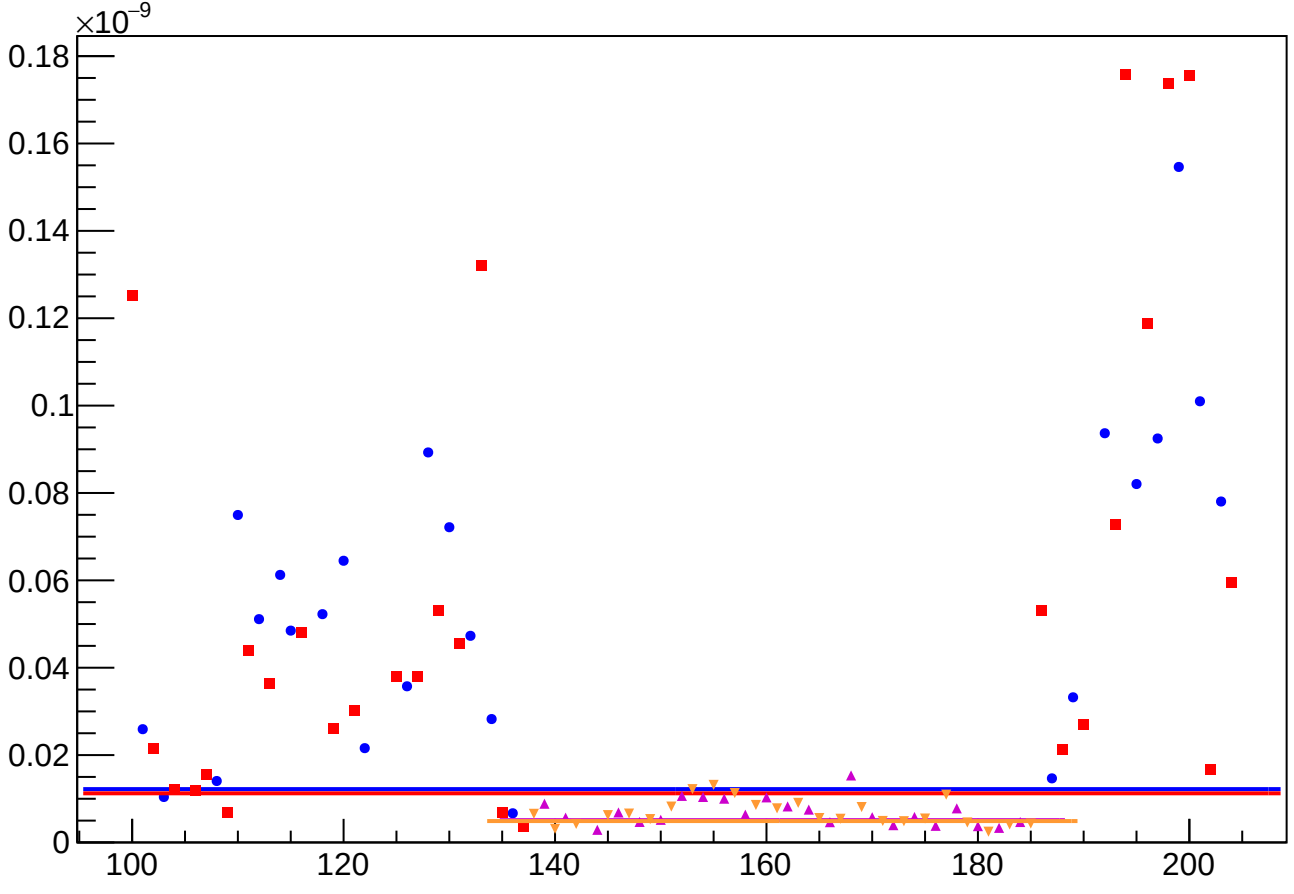
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/27

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.2/47

All: -0.000+/-0.000 χ^2/NDF: 97.0/98

- sign -0.000+/-0.000 χ^2/NDF: 51.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 9567998.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9754300.4/27

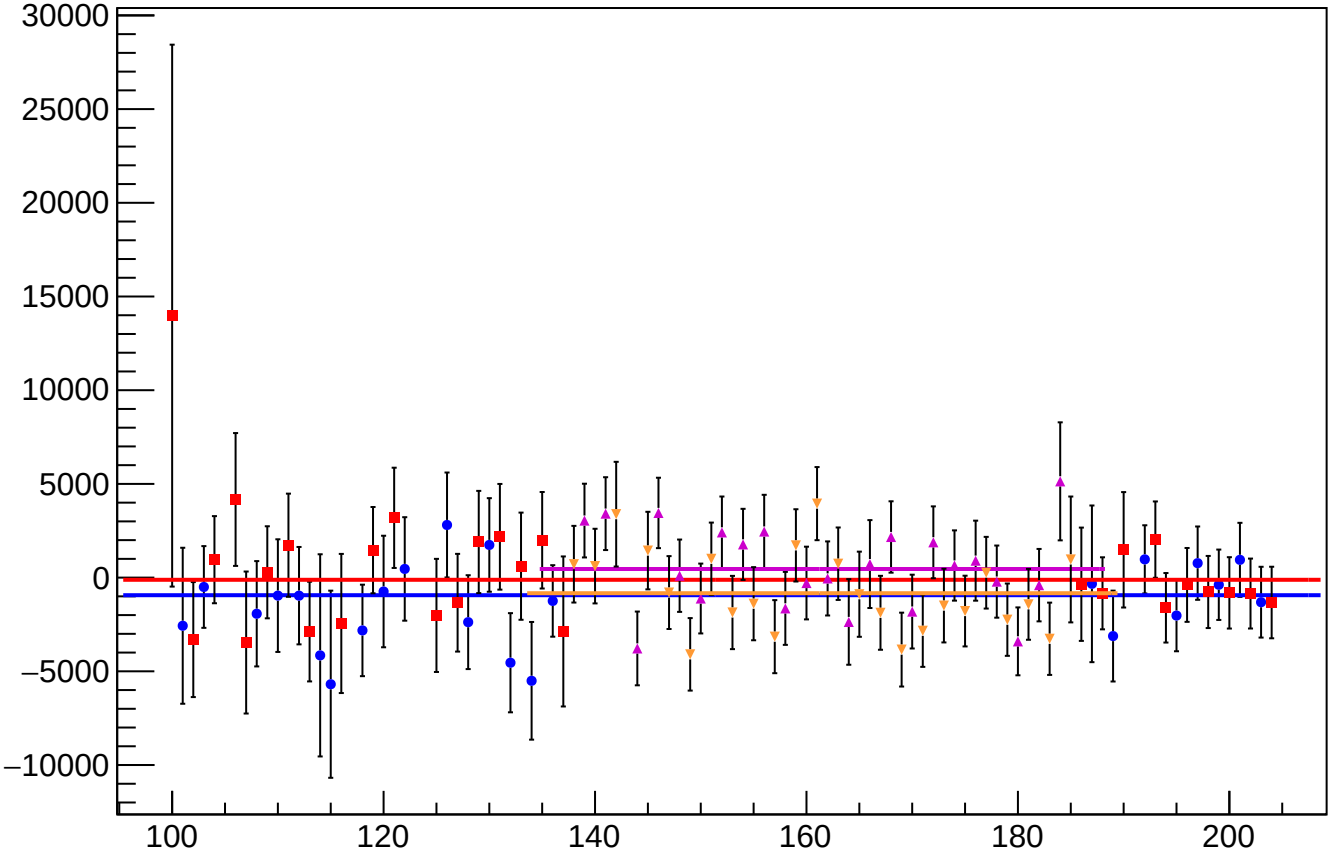
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 16163680.1/47

All: 0.000+/-0.000 χ^2/NDF: 31567707.0/98

- sign 0.000+/-0.000 χ^2/NDF: 15382277.5/50

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -938.829+/-500.438 χ^2/NDF: 13.8/23

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -116.569+/-470.345 χ^2/NDF: 14.5/27

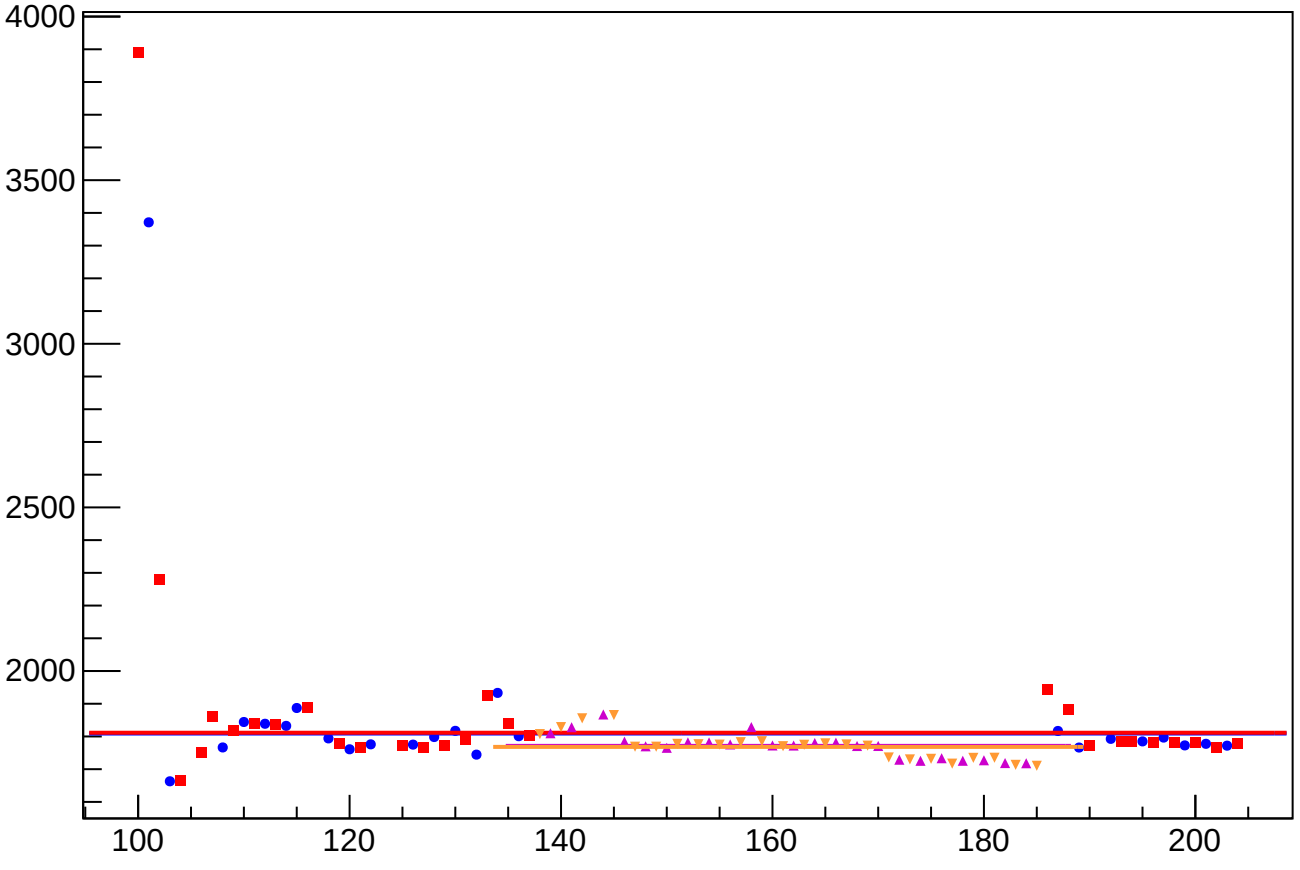
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -875.311+/-317.359 χ^2/NDF: 39.2/47

All: -321.851+/-221.982 χ^2/NDF: 87.8/98

- sign 208.322+/-310.610 χ^2/NDF: 42.6/50

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1809.000+/-0.354 χ^2/NDF: 301077.7/23

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

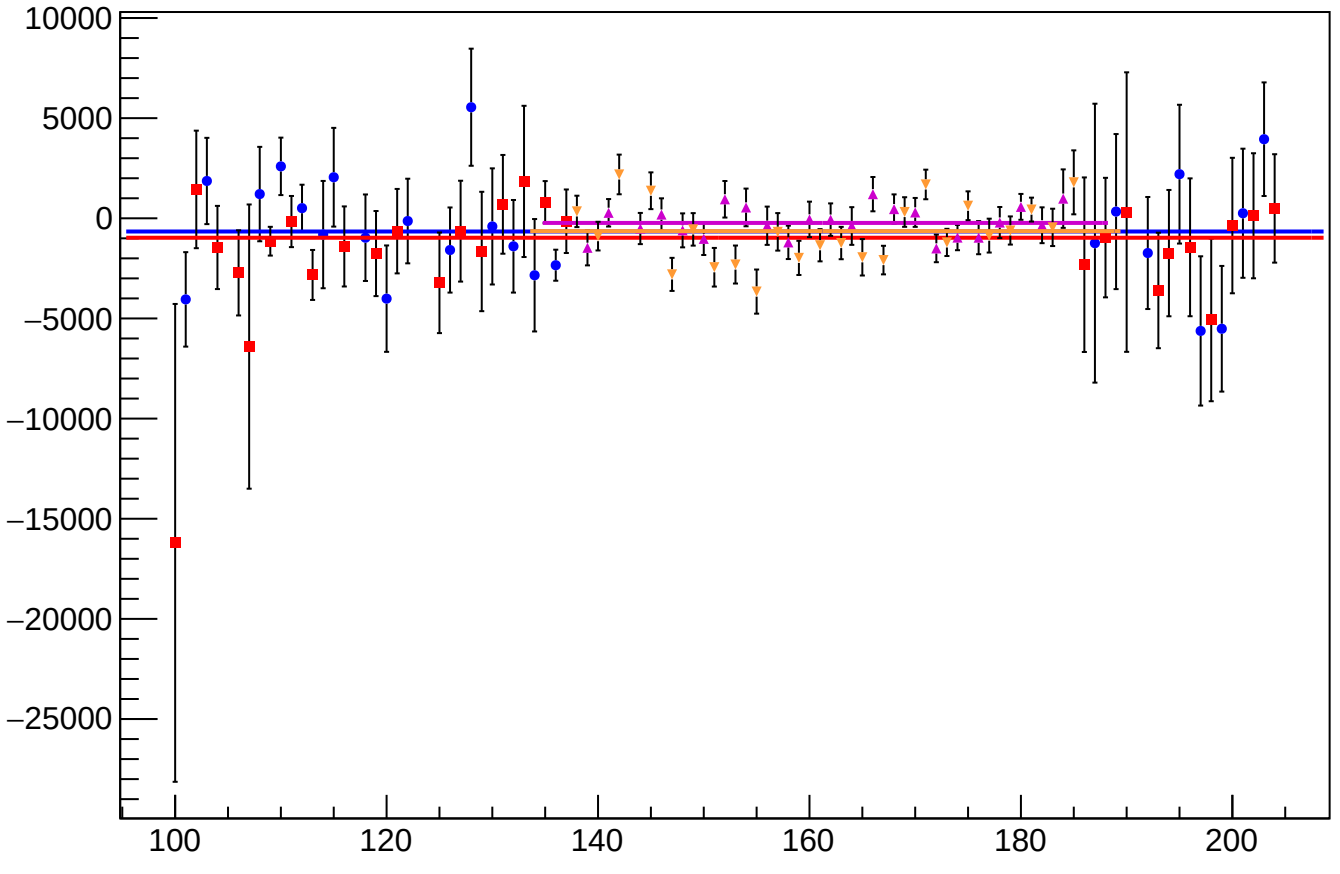
Right Out: 1811.376+/-0.333 χ^2/NDF: 114930.7/27

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.564+/-0.224 χ^2/NDF: 325412.7/47

All: 1786.692+/-0.157 χ^2/NDF: 465166.5/98

- sign 1788.731+/-0.220 χ^2/NDF: 139577.6/50



Right In: -658.747+/-414.935 χ^2/NDF: 31.0/23

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: -970.612+/-369.136 χ^2/NDF: 14.1/27

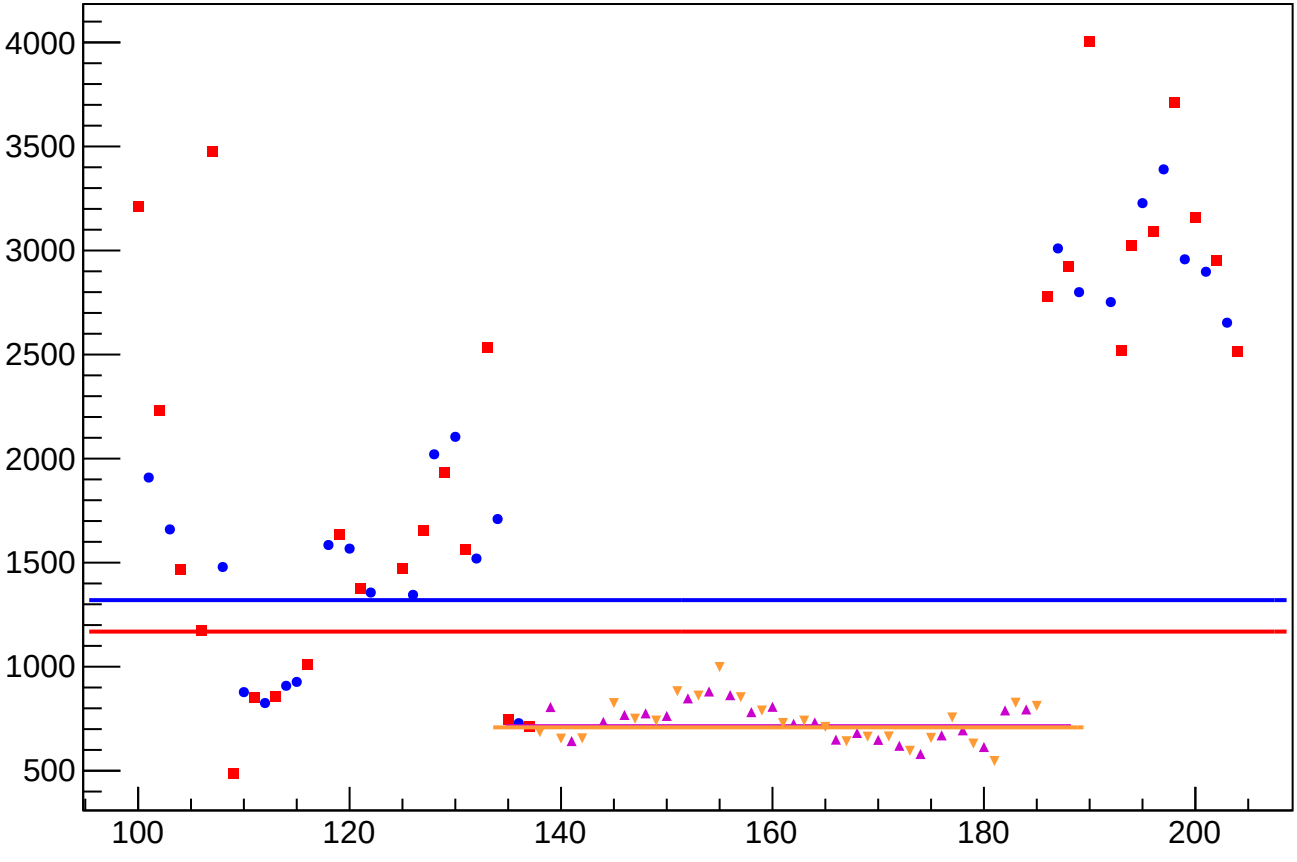
Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -643.485+/-154.483 χ^2/NDF: 97.7/47

All: -499.516+/-108.761 χ^2/NDF: 136.8/98

- sign -358.022+/-153.149 χ^2/NDF: 37.3/50

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1319.913+/-0.293 χ^2/NDF: 5983139.3/23

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1168.716+/-0.261 χ^2/NDF: 9467265.8/27

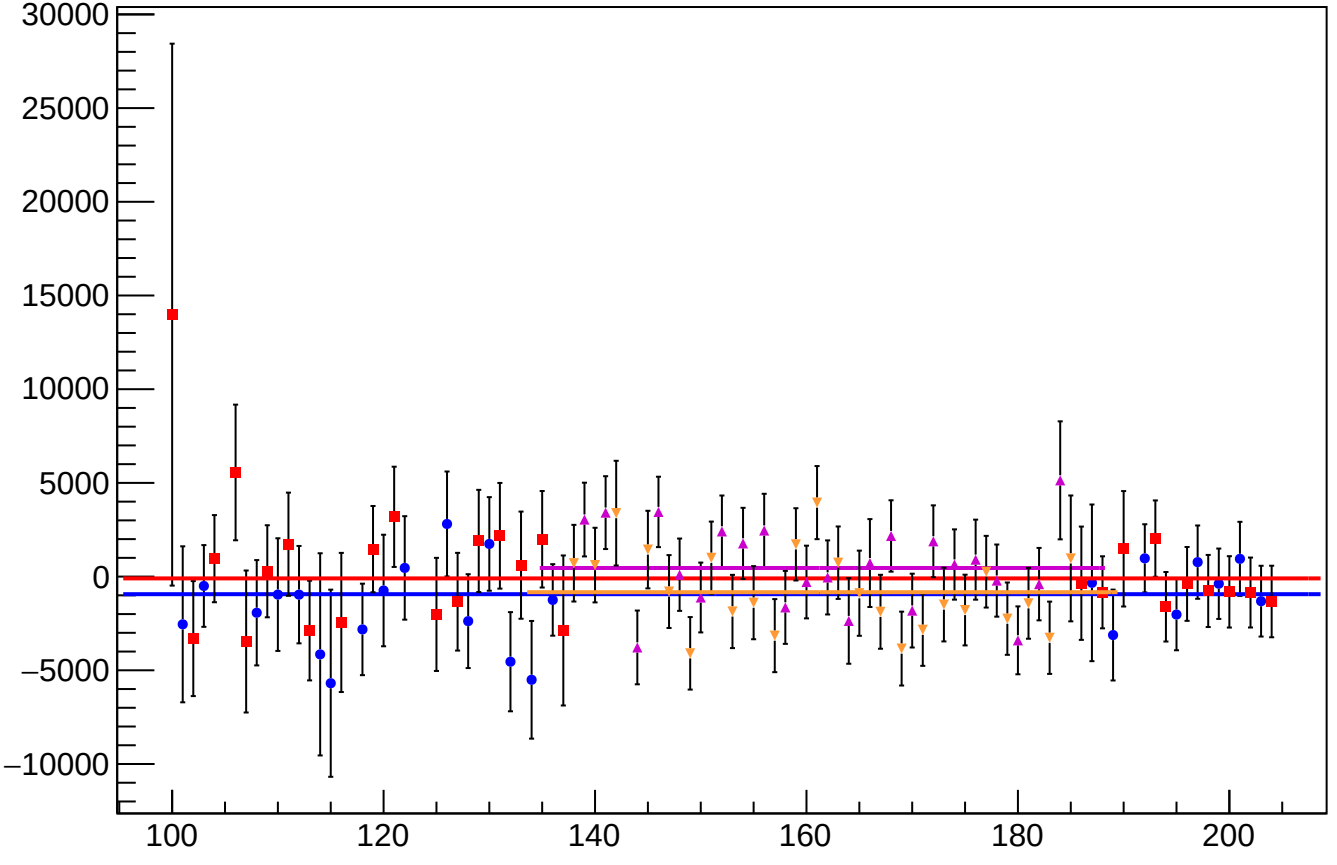
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 793.252+/-0.109 χ^2/NDF: 10424148.9/47

All: 792.824+/-0.077 χ^2/NDF: 22899366.1/98

- sign 792.404+/-0.108 χ^2/NDF: 12475186.8/50

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -938.531+/-500.438 χ^2/NDF: 13.8/23

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -96.238+/-470.514 χ^2/NDF: 15.5/27

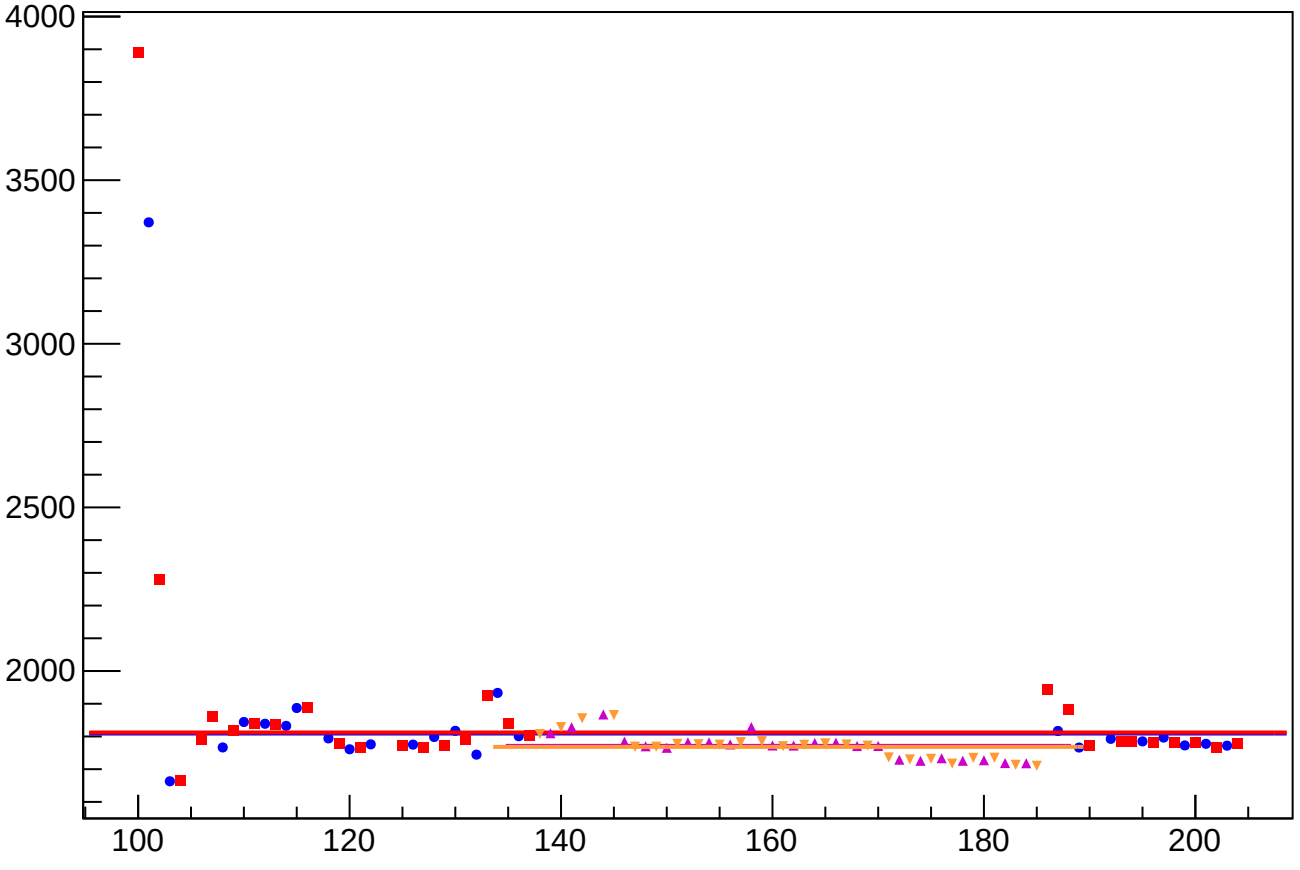
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -875.127+/-317.359 χ^2/NDF: 39.2/47

All: -317.280+/-222.000 χ^2/NDF: 88.8/98

- sign 217.264+/-310.659 χ^2/NDF: 43.5/50

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1809.000+/-0.354 χ^2/NDF: 301079.6/23

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

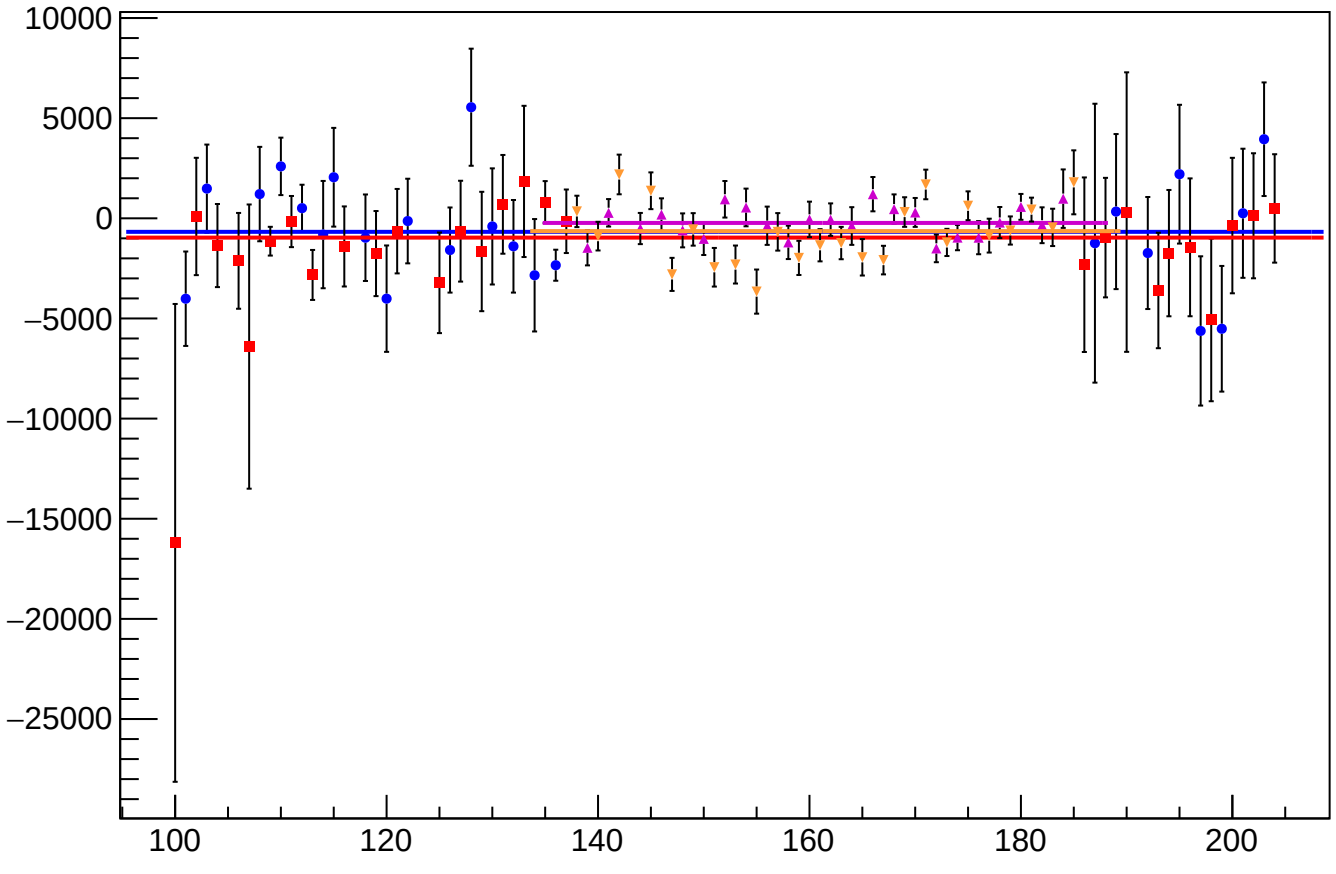
Right Out: 1812.110+/-0.333 χ^2/NDF: 114398.4/27

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.564+/-0.224 χ^2/NDF: 325414.6/47

All: 1786.852+/-0.157 χ^2/NDF: 464963.6/98

- sign 1789.044+/-0.220 χ^2/NDF: 139345.5/50



Right In: -675.149+/-415.241 χ^2/NDF: 30.6/23

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: -963.188+/-370.286 χ^2/NDF: 13.1/27

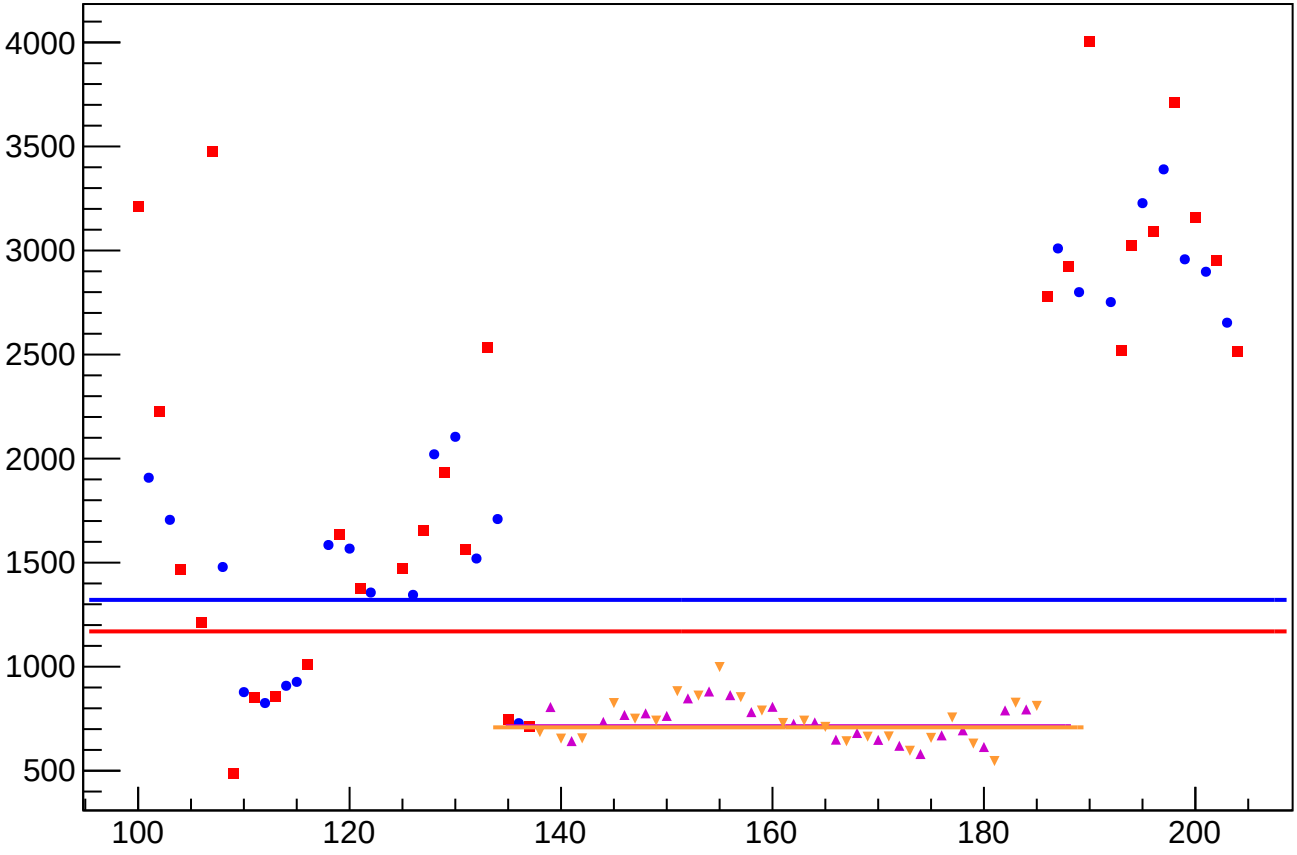
Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -645.731+/-154.500 χ^2/NDF: 97.2/47

All: -499.687+/-108.797 χ^2/NDF: 135.2/98

- sign -356.031+/-153.232 χ^2/NDF: 36.2/50

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1321.043+/-0.294 χ^2/NDF: 5994561.4/23

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1169.570+/-0.262 χ^2/NDF: 9466796.6/27

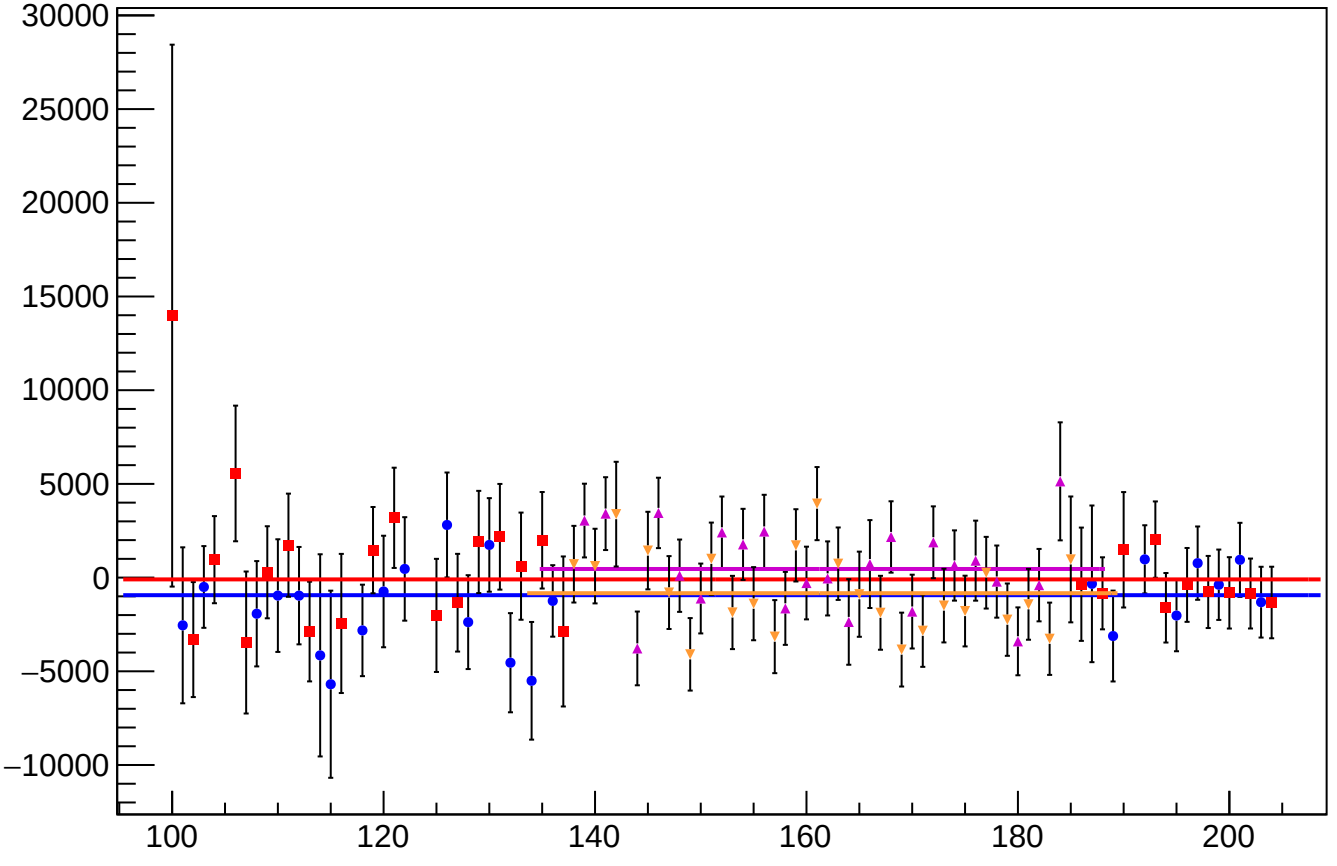
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 793.306+/-0.109 χ^2/NDF: 10444533.9/47

All: 792.726+/-0.077 χ^2/NDF: 22915728.7/98

- sign 792.154+/-0.108 χ^2/NDF: 12471138.7/50

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -938.531+/-500.438 χ^2/NDF: 13.8/23

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -96.238+/-470.514 χ^2/NDF: 15.5/27

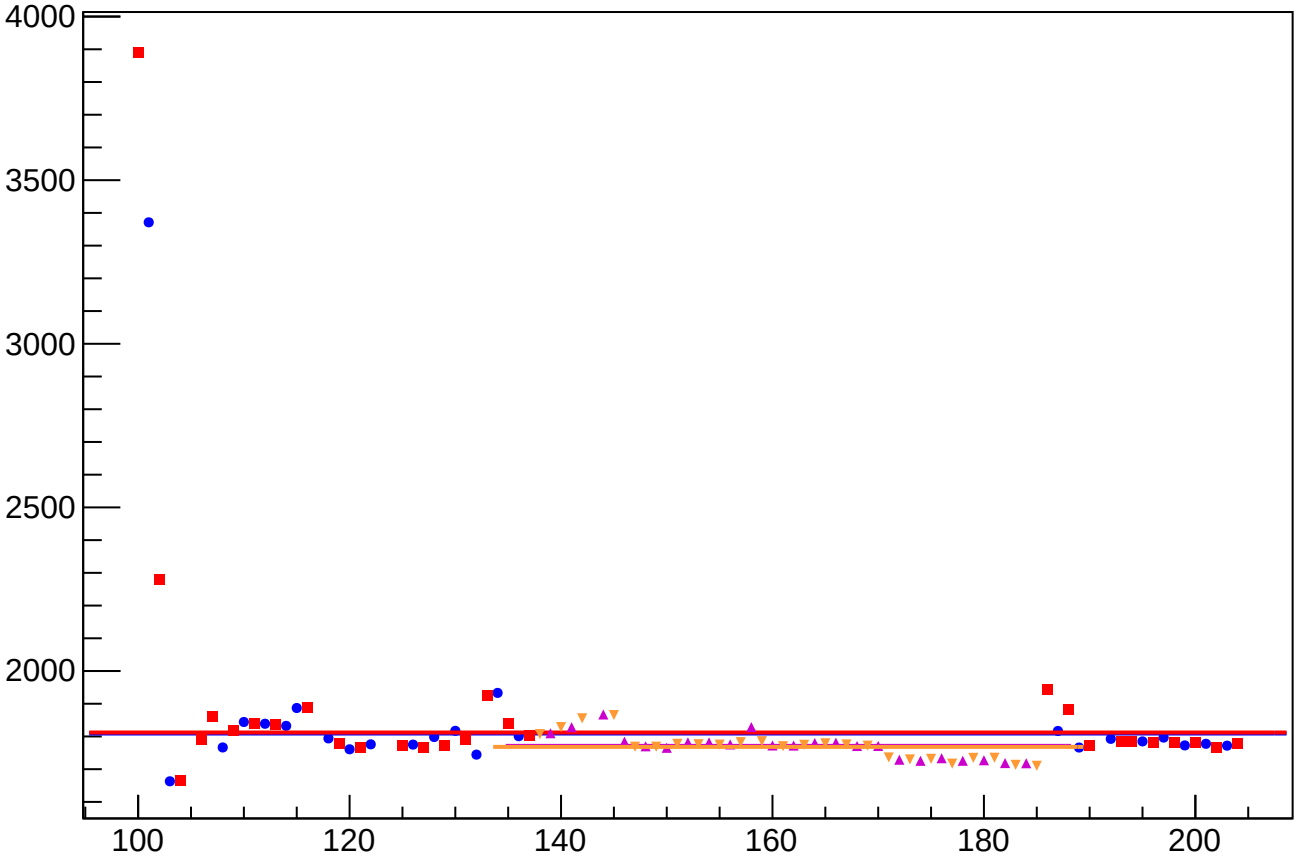
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -875.127+/-317.359 χ^2/NDF: 39.2/47

All: -317.280+/-222.000 χ^2/NDF: 88.8/98

- sign 217.264+/-310.659 χ^2/NDF: 43.5/50

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1809.000+/-0.354 χ^2/NDF: 301079.6/23

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

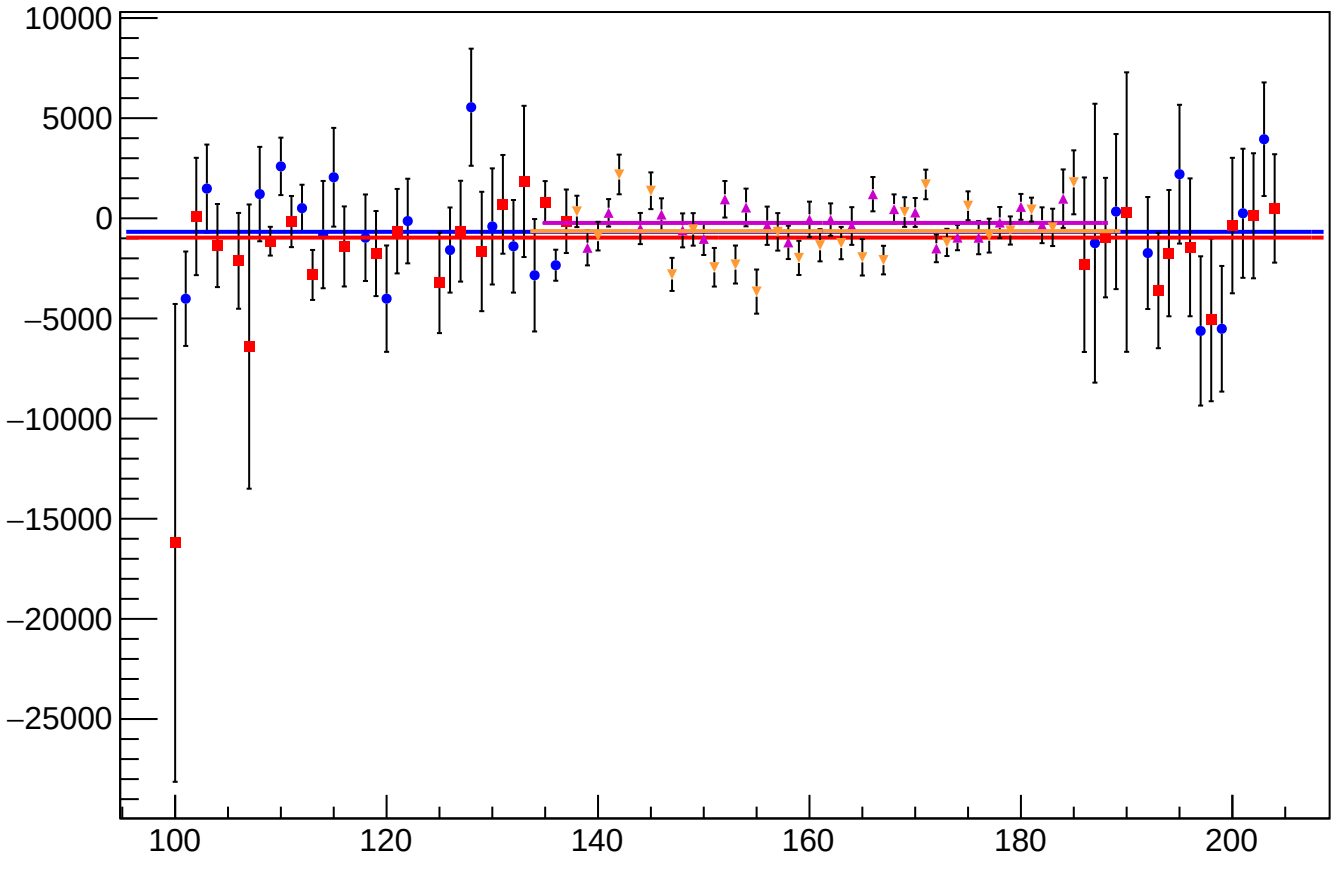
Right Out: 1812.110+/-0.333 χ^2/NDF: 114398.4/27

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.564+/-0.224 χ^2/NDF: 325414.6/47

All: 1786.852+/-0.157 χ^2/NDF: 464963.6/98

- sign 1789.044+/-0.220 χ^2/NDF: 139345.5/50



Right In: -675.149+/-415.241 χ^2/NDF: 30.6/23

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: -963.188+/-370.286 χ^2/NDF: 13.1/27

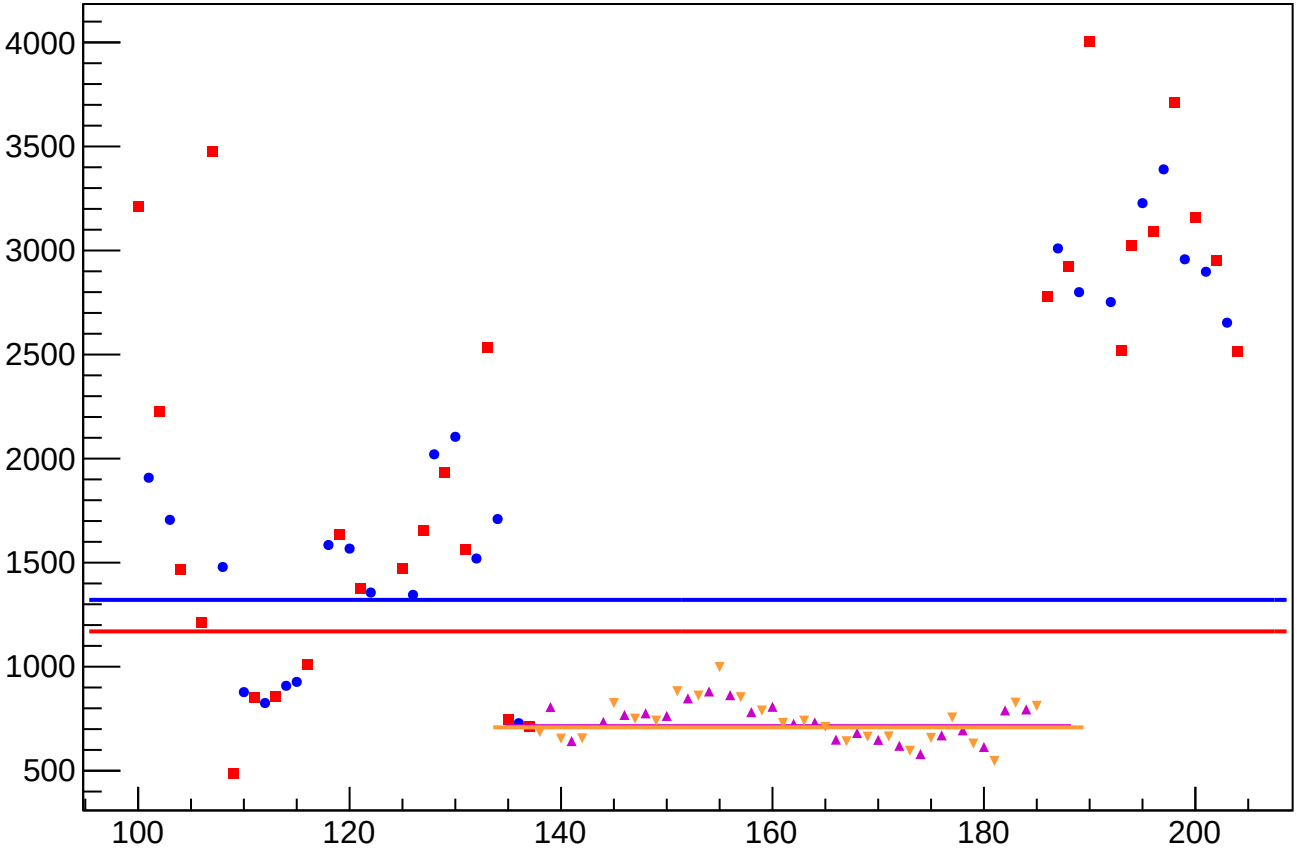
Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -645.731+/-154.500 χ^2/NDF: 97.2/47

All: -499.687+/-108.797 χ^2/NDF: 135.2/98

- sign -356.031+/-153.232 χ^2/NDF: 36.2/50

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 1321.043+/-0.294 χ^2/NDF: 5994561.4/23

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1169.570+/-0.262 χ^2/NDF: 9466796.6/27

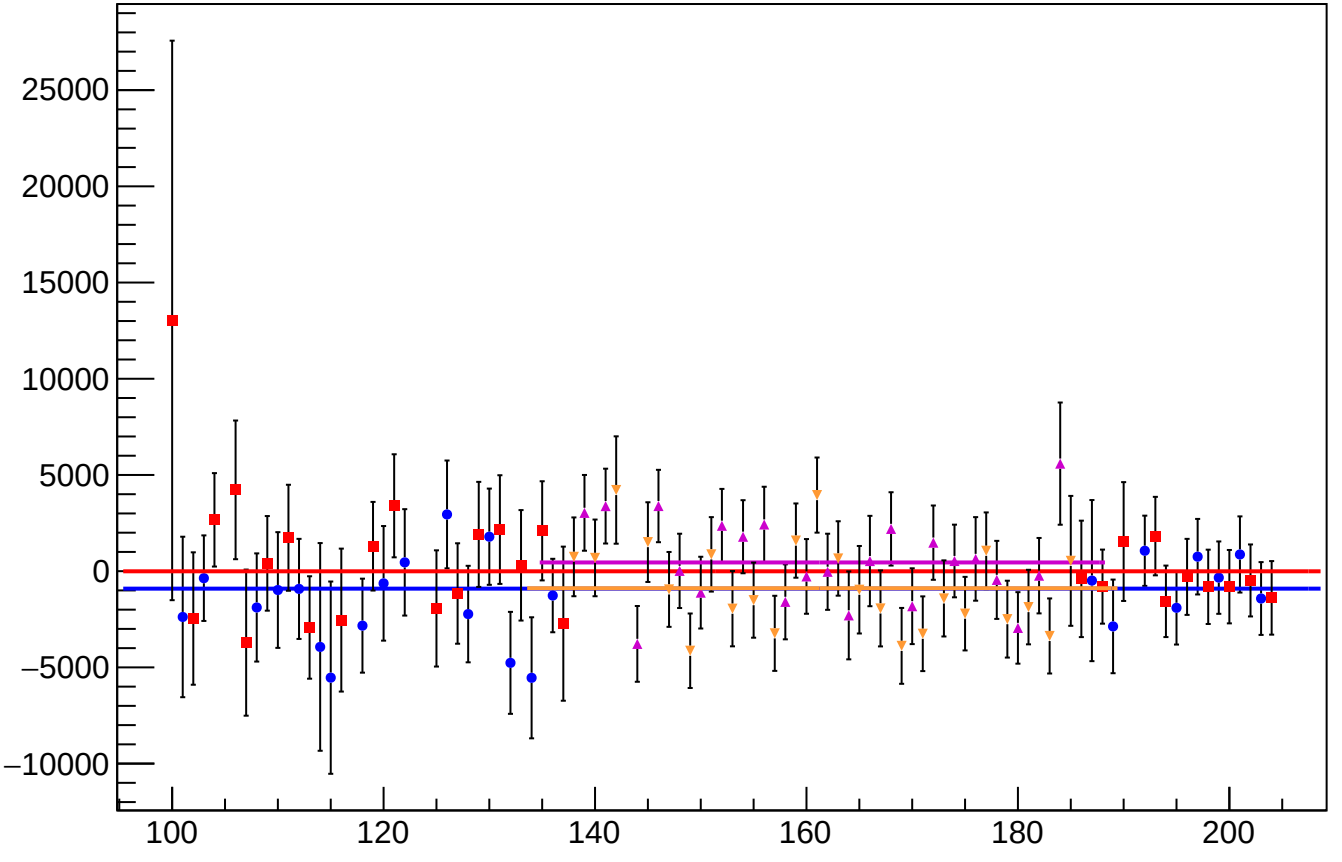
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 793.306+/-0.109 χ^2/NDF: 10444533.9/47

All: 792.726+/-0.077 χ^2/NDF: 22915728.7/98

- sign 792.154+/-0.108 χ^2/NDF: 12471138.7/50

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -907.949+/-501.745 χ^2/NDF: 13.8/23

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: -6.503+/-473.117 χ^2/NDF: 14.6/27

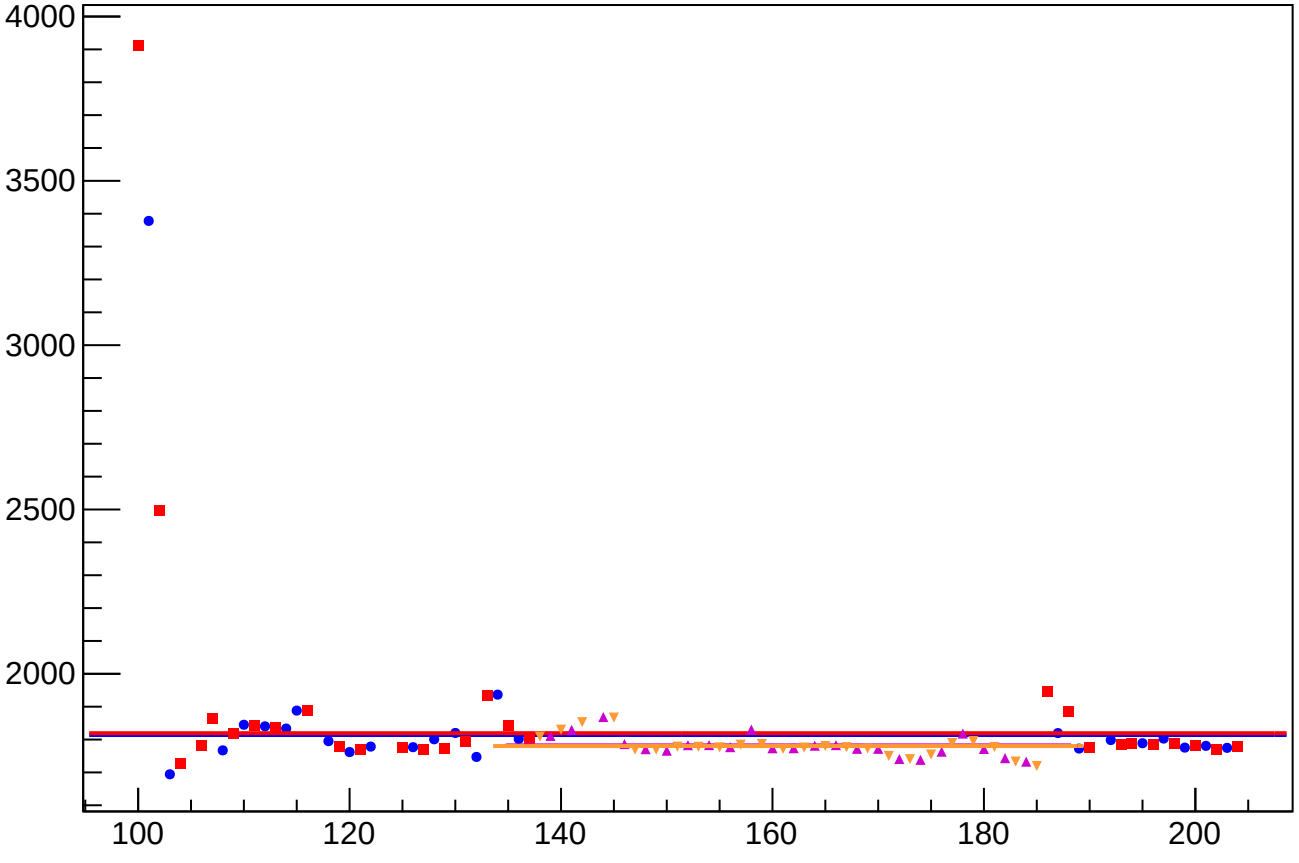
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -895.081+/-318.975 χ^2/NDF: 41.9/47

All: -309.427+/-223.223 χ^2/NDF: 89.5/98

- sign 252.671+/-312.494 χ^2/NDF: 41.0/50

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1813.785+/-0.355 χ^2/NDF: 297833.3/23

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

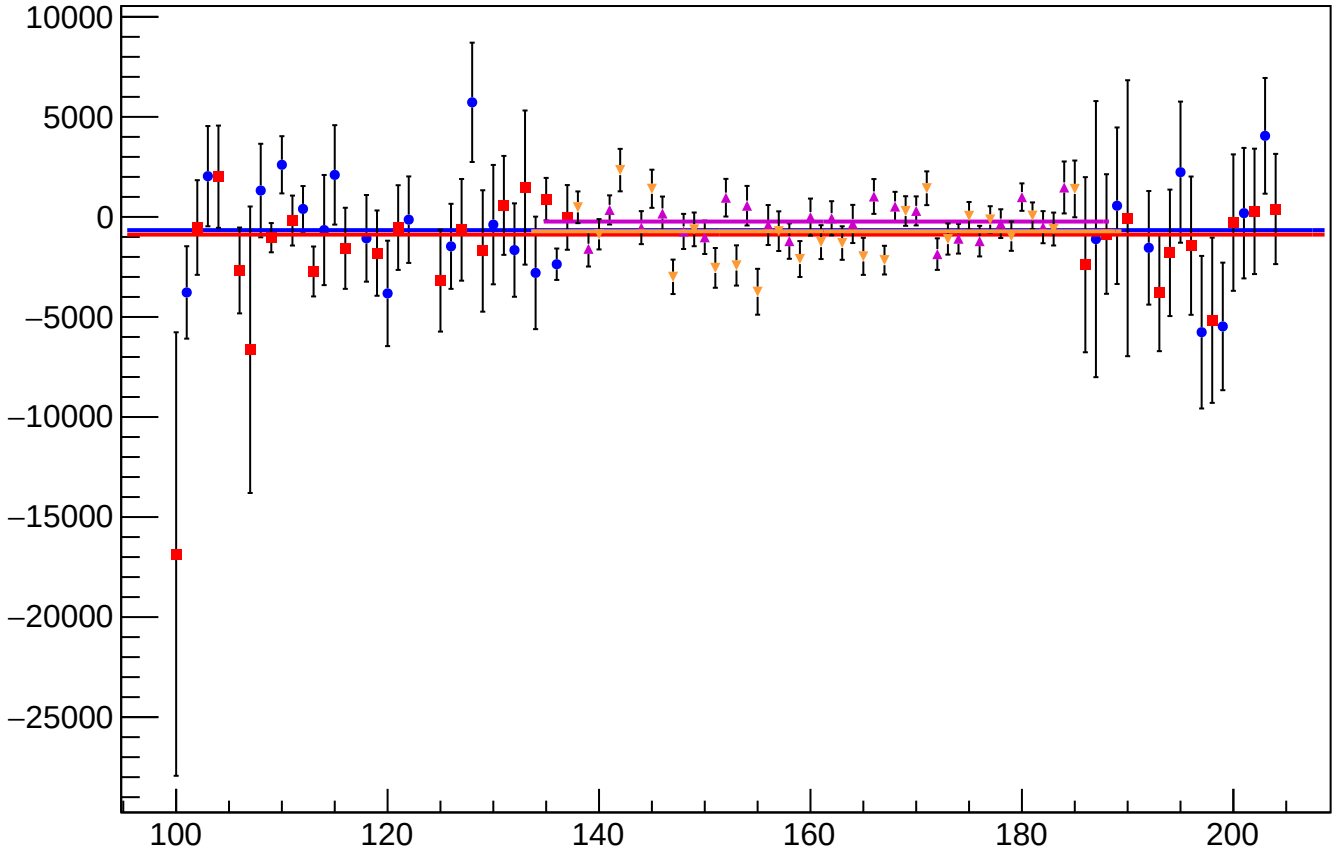
Right Out: 1819.357+/-0.335 χ^2/NDF: 141316.6/27

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1793.786+/-0.226 χ^2/NDF: 313546.3/47

All: 1796.174+/-0.158 χ^2/NDF: 473232.3/98

- sign 1798.465+/-0.221 χ^2/NDF: 159466.3/50



Right In: -660.904+/-418.814 χ^2/NDF: 30.4/23

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

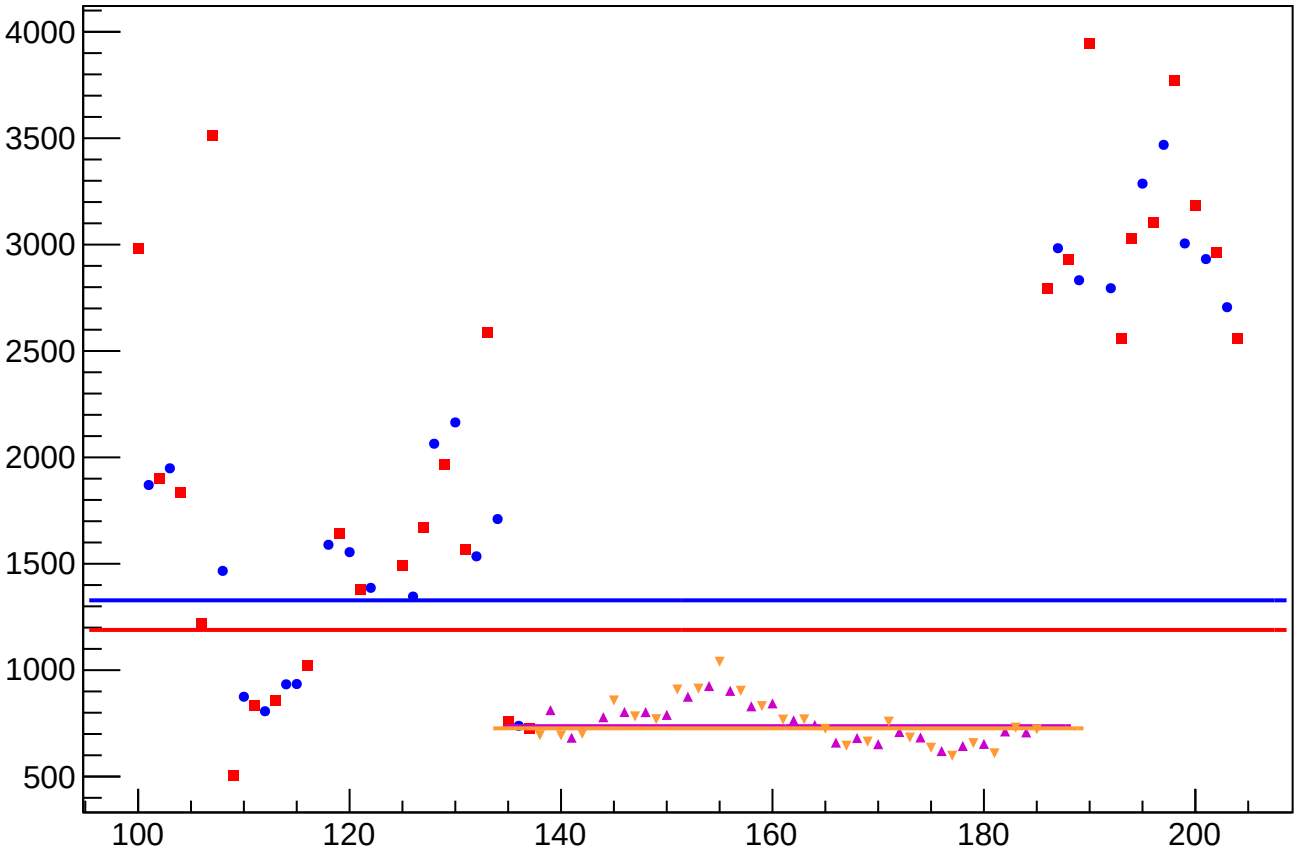
Right Out: -882.750+/-372.600 χ^2/NDF: 15.0/27

Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -708.673+/-157.997 χ^2/NDF: 89.8/47

All: -527.129+/-111.451 χ^2/NDF: 134.0/98

- sign -347.328+/-157.236 χ^2/NDF: 41.6/50



Right In: 1328.165+/-0.296 χ^2/NDF: 6138481.4/23

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1189.056+/-0.263 χ^2/NDF: 9384780.8/27

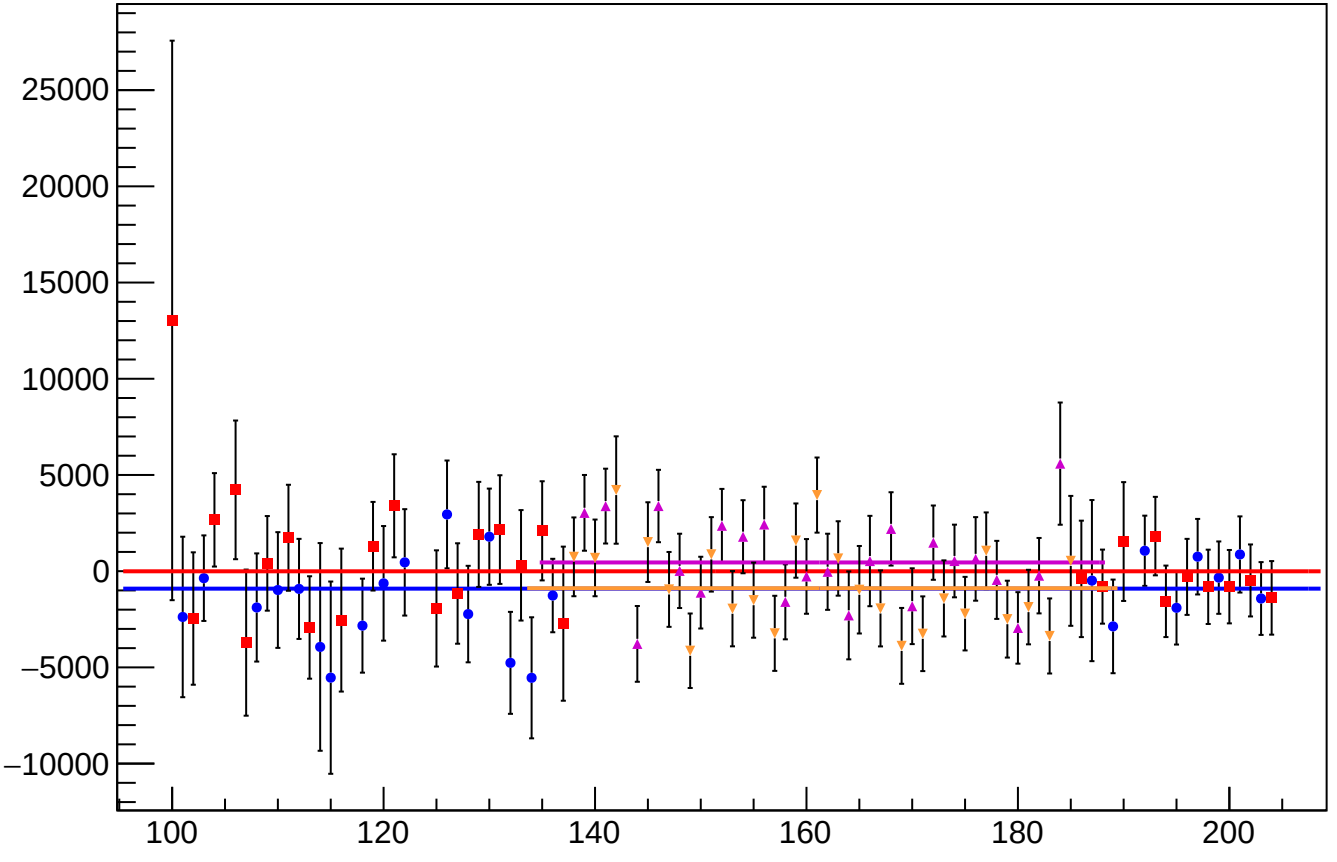
Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 812.216+/-0.112 χ^2/NDF: 10362210.4/47

All: 814.752+/-0.079 χ^2/NDF: 22635846.0/98

- sign 817.264+/-0.111 χ^2/NDF: 12272610.1/50

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -907.950+/-501.745 χ^2/NDF: 13.8/23

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: -6.504+/-473.117 χ^2/NDF: 14.6/27

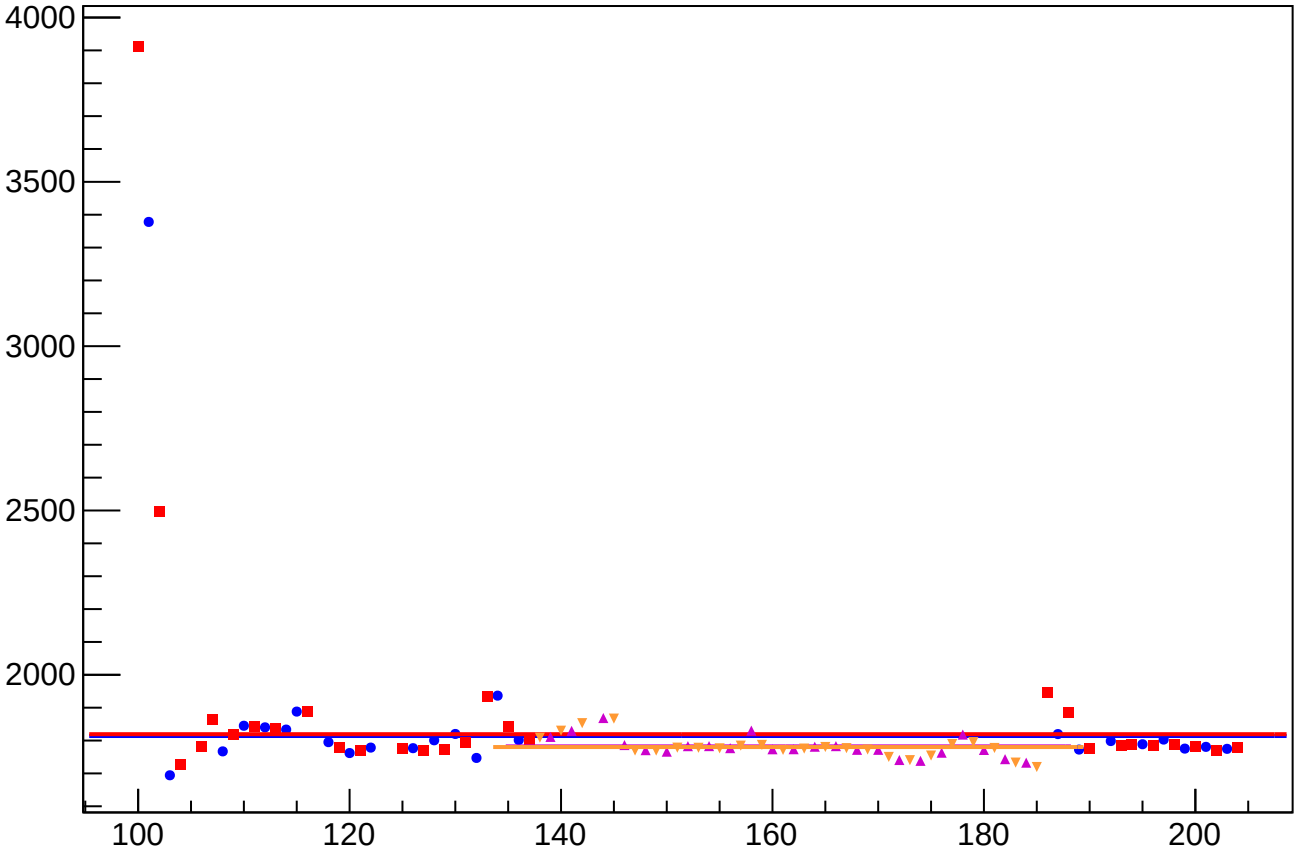
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -895.081+/-318.975 χ^2/NDF: 41.9/47

All: -309.427+/-223.223 χ^2/NDF: 89.5/98

- sign 252.670+/-312.494 χ^2/NDF: 41.0/50

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1813.785+/-0.355 χ^2/NDF: 297833.3/23

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

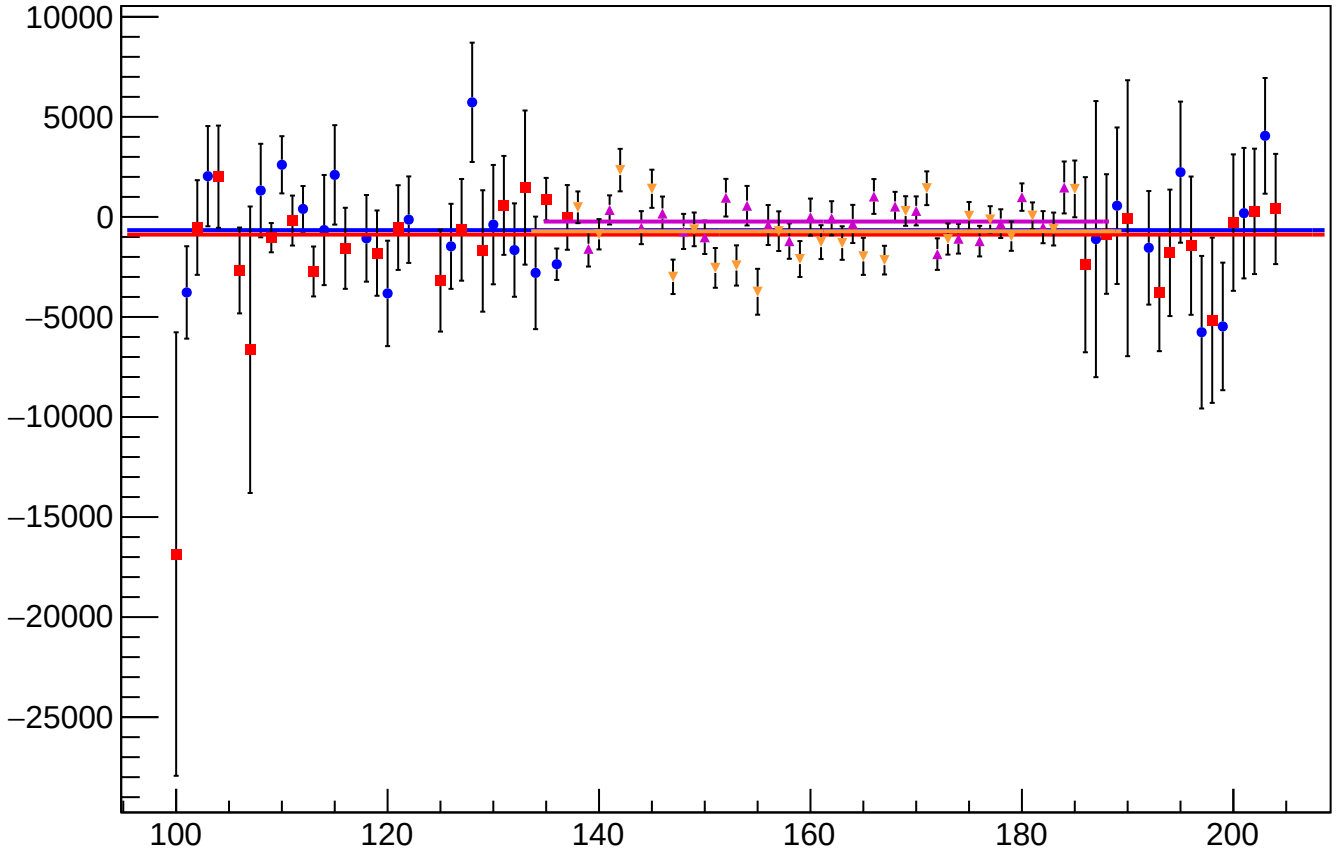
Right Out: 1819.357+/-0.335 χ^2/NDF: 141316.7/27

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1793.785+/-0.226 χ^2/NDF: 313546.3/47

All: 1796.173+/-0.158 χ^2/NDF: 473232.4/98

- sign 1798.465+/-0.221 χ^2/NDF: 159466.4/50



Right In: -660.892+/-418.814 χ^2/NDF: 30.4/23

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

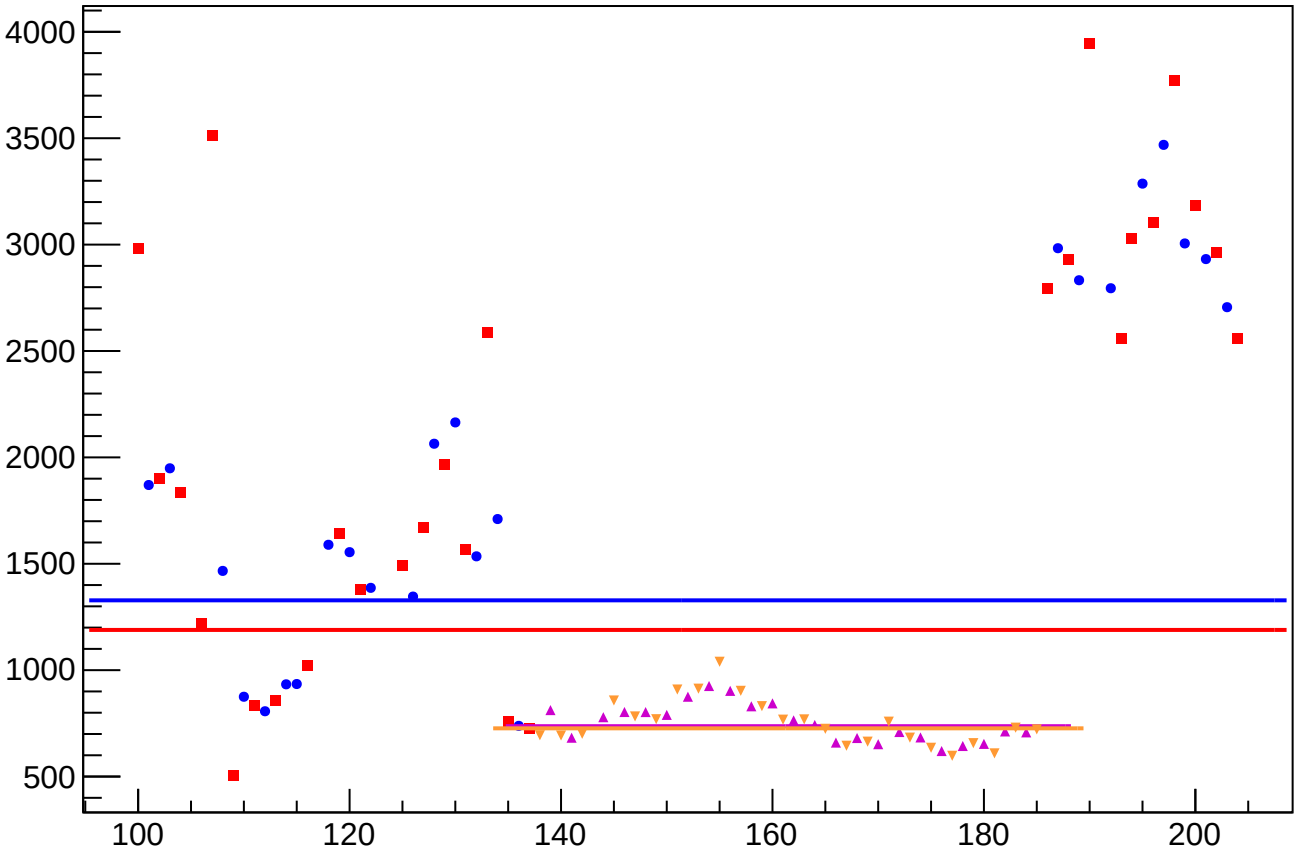
Right Out: -882.756+/-372.600 χ^2/NDF: 15.0/27

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -708.672+/-157.997 χ^2/NDF: 89.8/47

All: -527.128+/-111.451 χ^2/NDF: 134.0/98

- sign -347.327+/-157.236 χ^2/NDF: 41.6/50



Right In: 1328.168+/-0.296 χ^2/NDF: 6138434.6/23

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1189.058+/-0.263 χ^2/NDF: 9384743.7/27

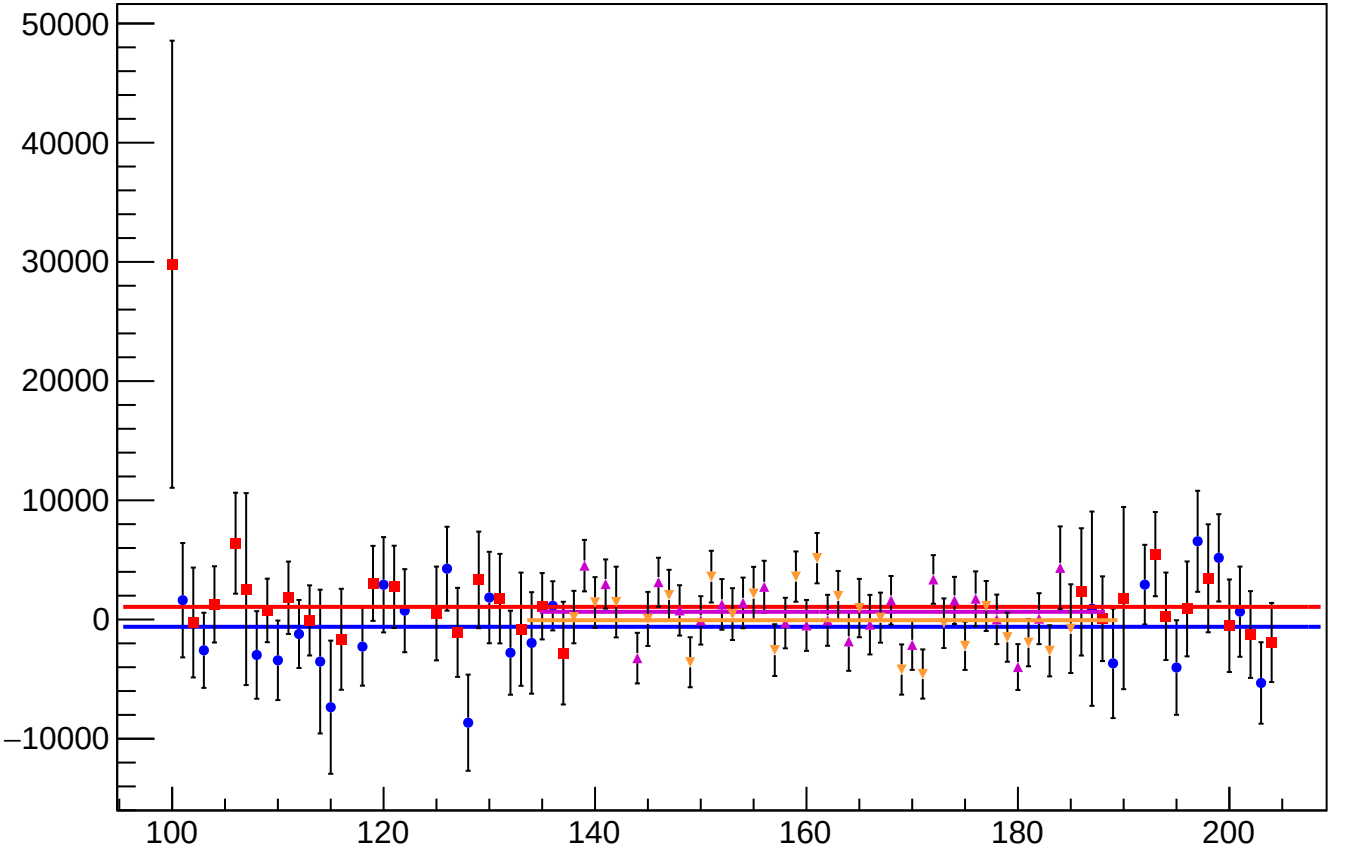
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 812.217+/-0.112 χ^2/NDF: 10362184.6/47

All: 814.753+/-0.079 χ^2/NDF: 22635824.0/98

- sign 817.264+/-0.111 χ^2/NDF: 12272614.1/50

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -610.428+/-743.091 χ^2/NDF: 21.9/23

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1062.021+/-716.098 χ^2/NDF: 10.4/27

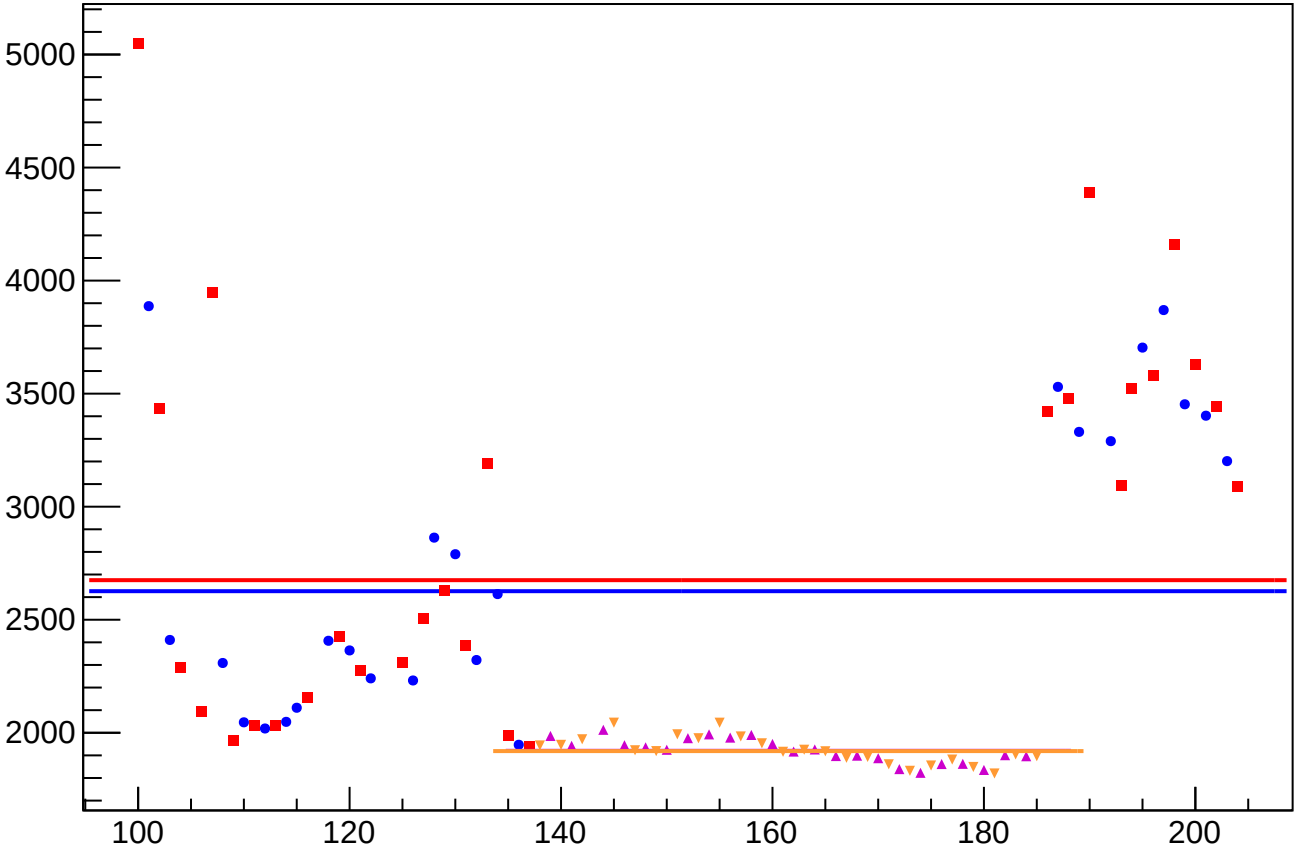
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -205.277+/-382.157 χ^2/NDF: 55.3/47

All: 281.884+/-269.505 χ^2/NDF: 92.8/98

- sign 763.880+/-380.126 χ^2/NDF: 34.3/50

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2626.293+/-0.525 χ^2/NDF: 1371668.6/23

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

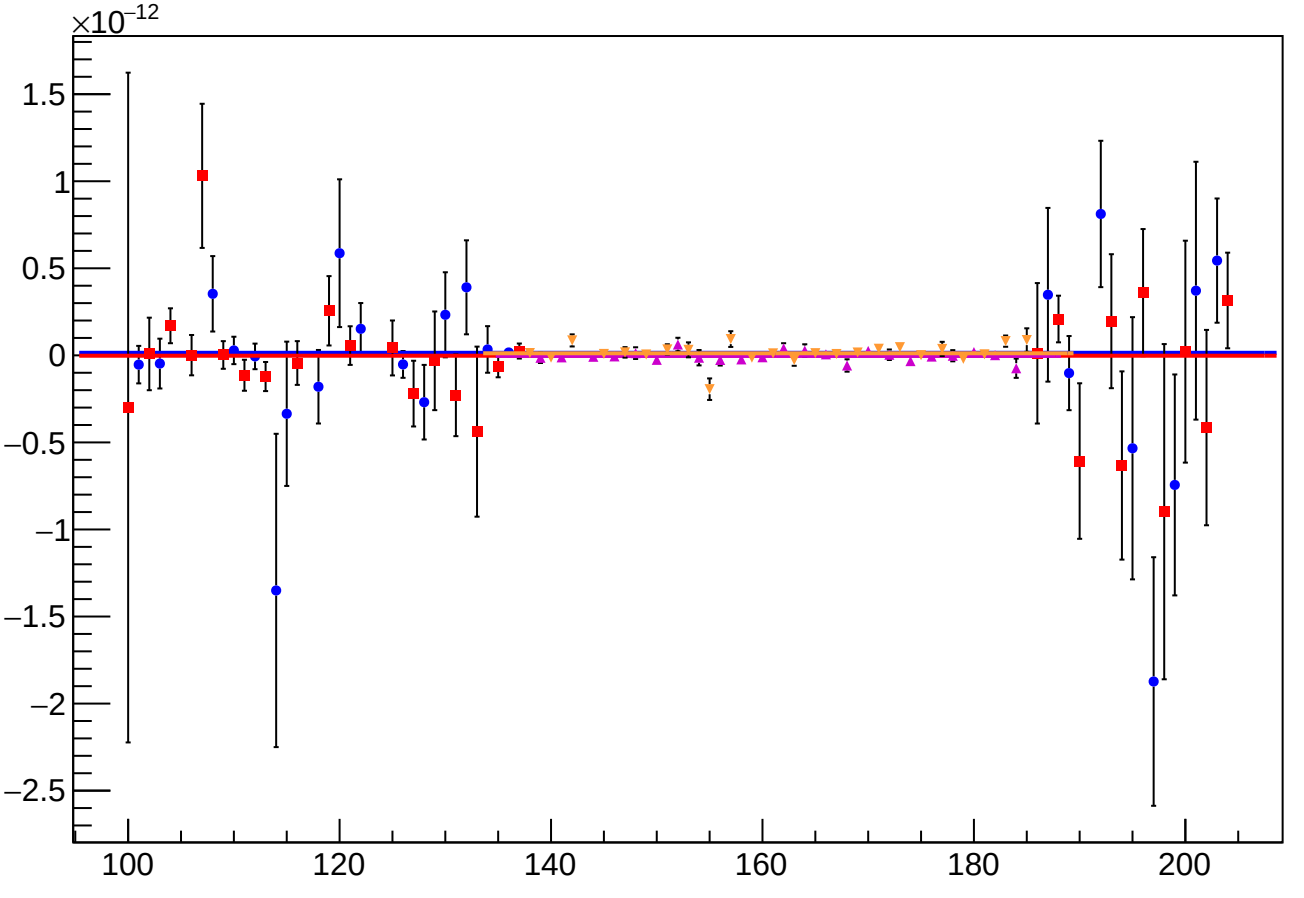
Right Out: 2675.001+/-0.506 χ^2/NDF: 1773617.0/27

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2106.051+/-0.270 χ^2/NDF: 2740052.1/47

All: 2119.547+/-0.191 χ^2/NDF: 6144402.2/98

- sign 2132.901+/-0.269 χ^2/NDF: 3399387.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 30.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

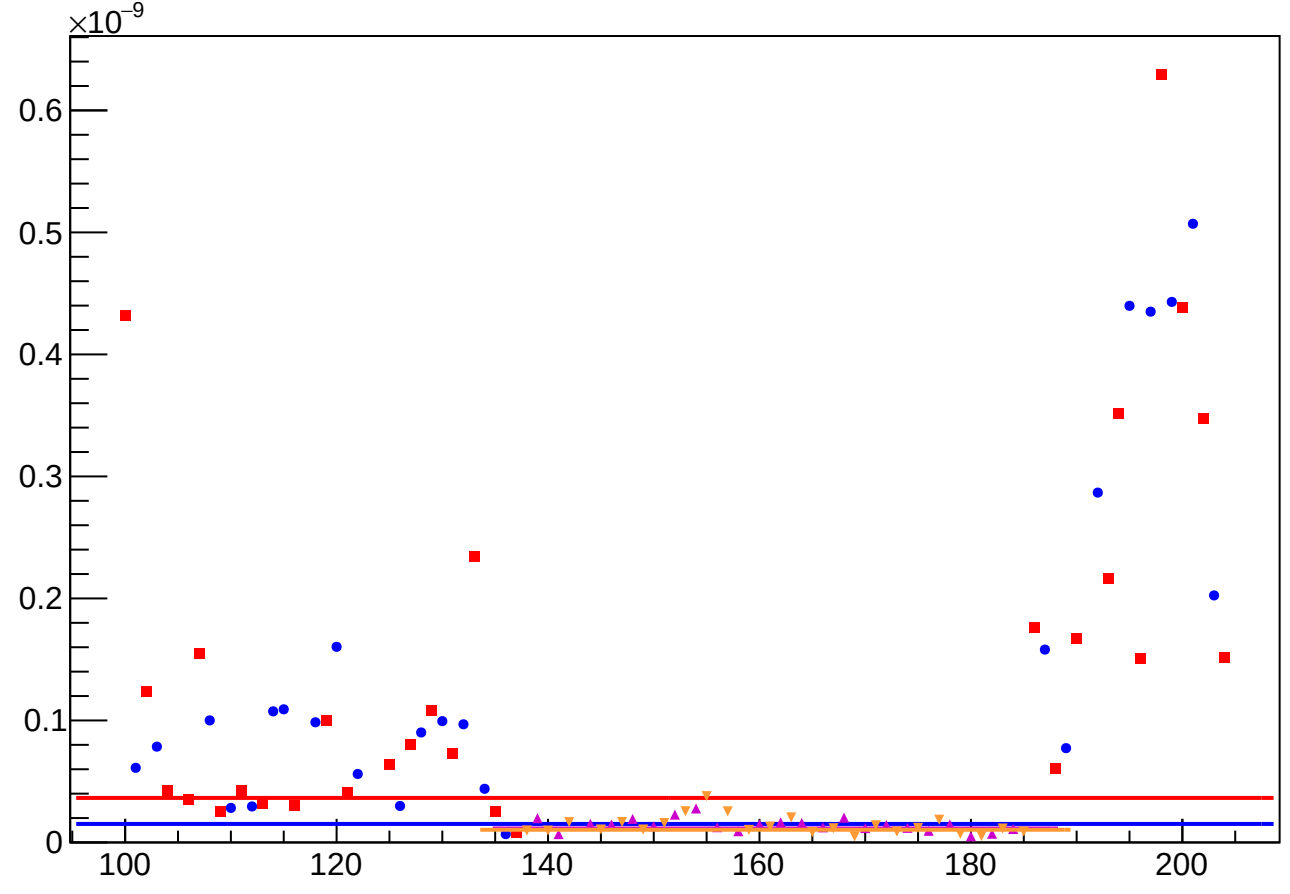
Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/27

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.8/47

All: 0.000+/-0.000 χ^2/NDF: 122.9/98

- sign -0.000+/-0.000 χ^2/NDF: 48.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 8284542.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

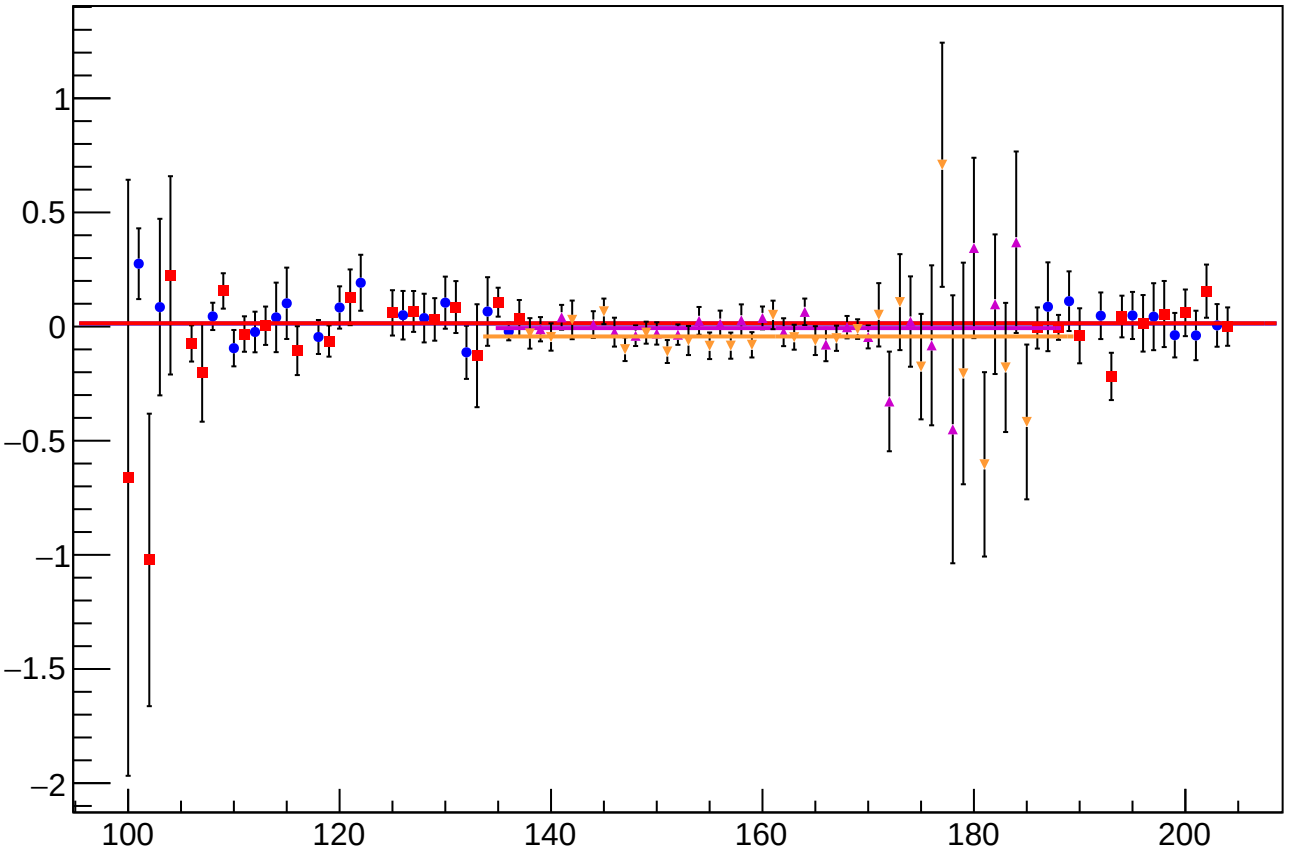
Right Out: 0.000+/-0.000 χ^2/NDF: 6779364.6/27

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10570437.4/47

All: 0.000+/-0.000 χ^2/NDF: 21559843.9/98

- sign 0.000+/-0.000 χ^2/NDF: 10863748.5/50



Right In: 0.013+/-0.019 χ^2/NDF: 13.2/23

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

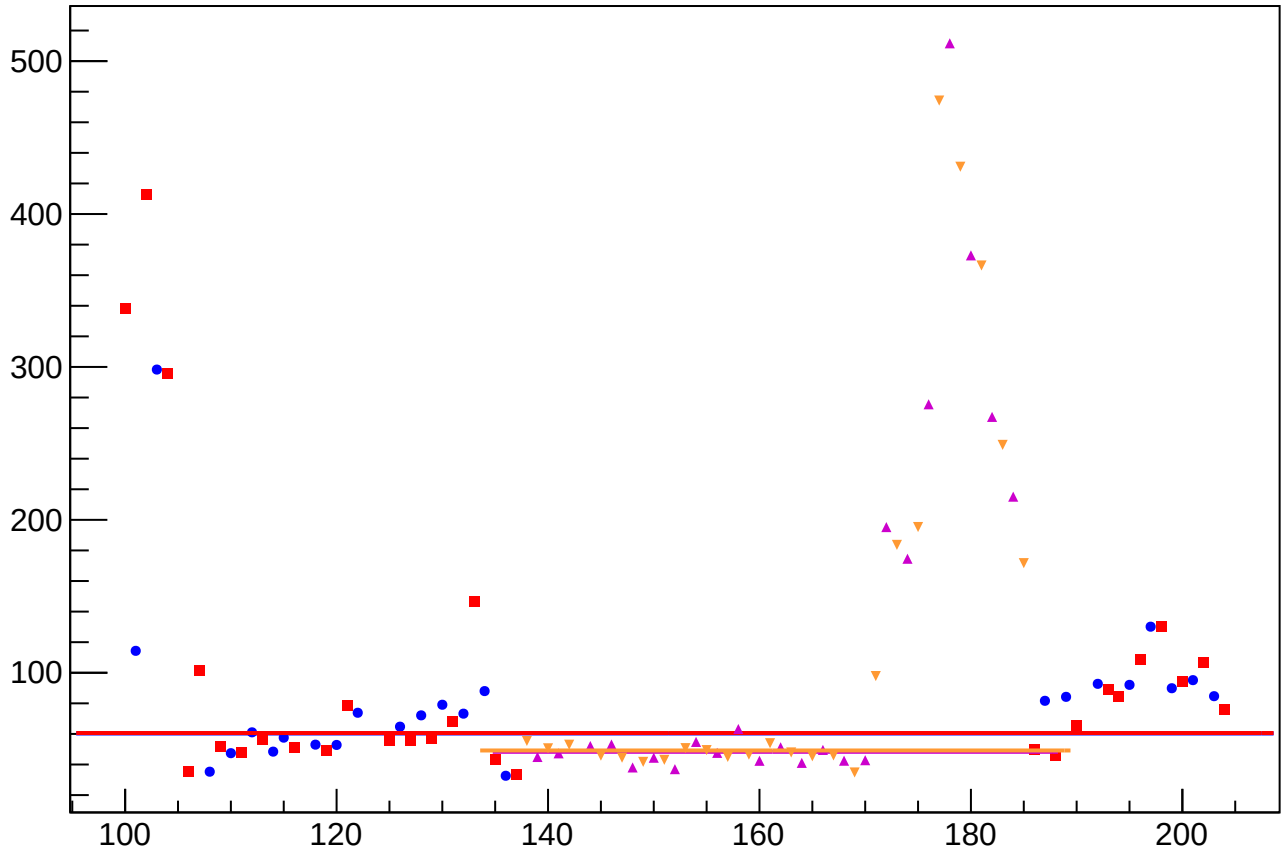
Right Out: 0.015+/-0.018 χ^2/NDF: 23.4/27

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.8/47

All: -0.011+/-0.008 χ^2/NDF: 75.8/98

- sign 0.001+/-0.011 χ^2/NDF: 35.5/50



Right In: 60.304+/-0.014 χ^2/NDF: 4120634.1/23

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

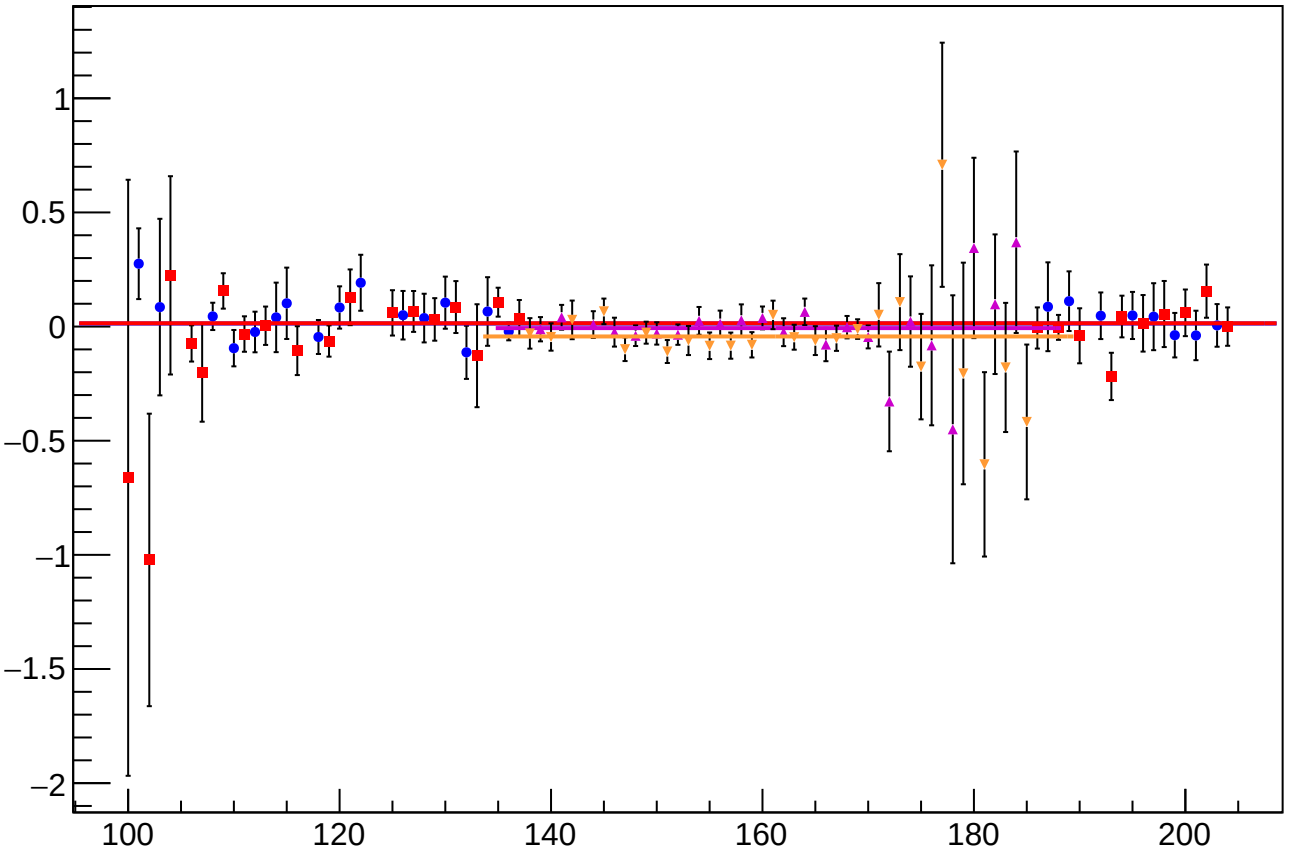
Right Out: 60.595+/-0.013 χ^2/NDF: 4270234.7/27

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 53.011+/-0.008 χ^2/NDF: 11811465.2/47

All: 52.846+/-0.006 χ^2/NDF: 23712732.9/98

\- sign 52.693+/-0.008 χ^2/NDF: 11900442.9/50



Right In: 0.013+/-0.019 χ^2/NDF: 13.2/23

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

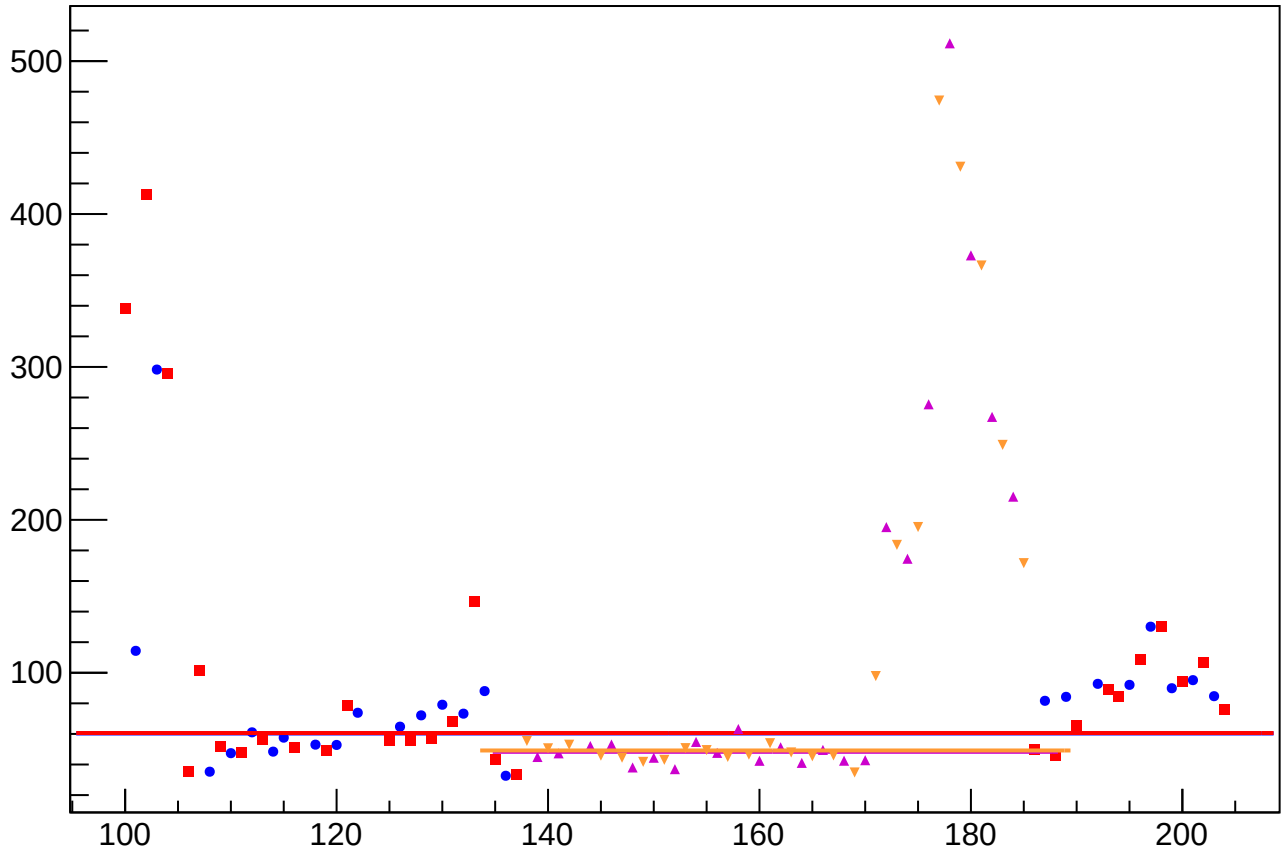
Right Out: 0.015+/-0.018 χ^2/NDF: 23.4/27

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.8/47

All: -0.011+/-0.008 χ^2/NDF: 75.8/98

- sign 0.001+/-0.011 χ^2/NDF: 35.5/50



Right In: 60.304+/-0.014 χ^2/NDF: 4120634.1/23

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

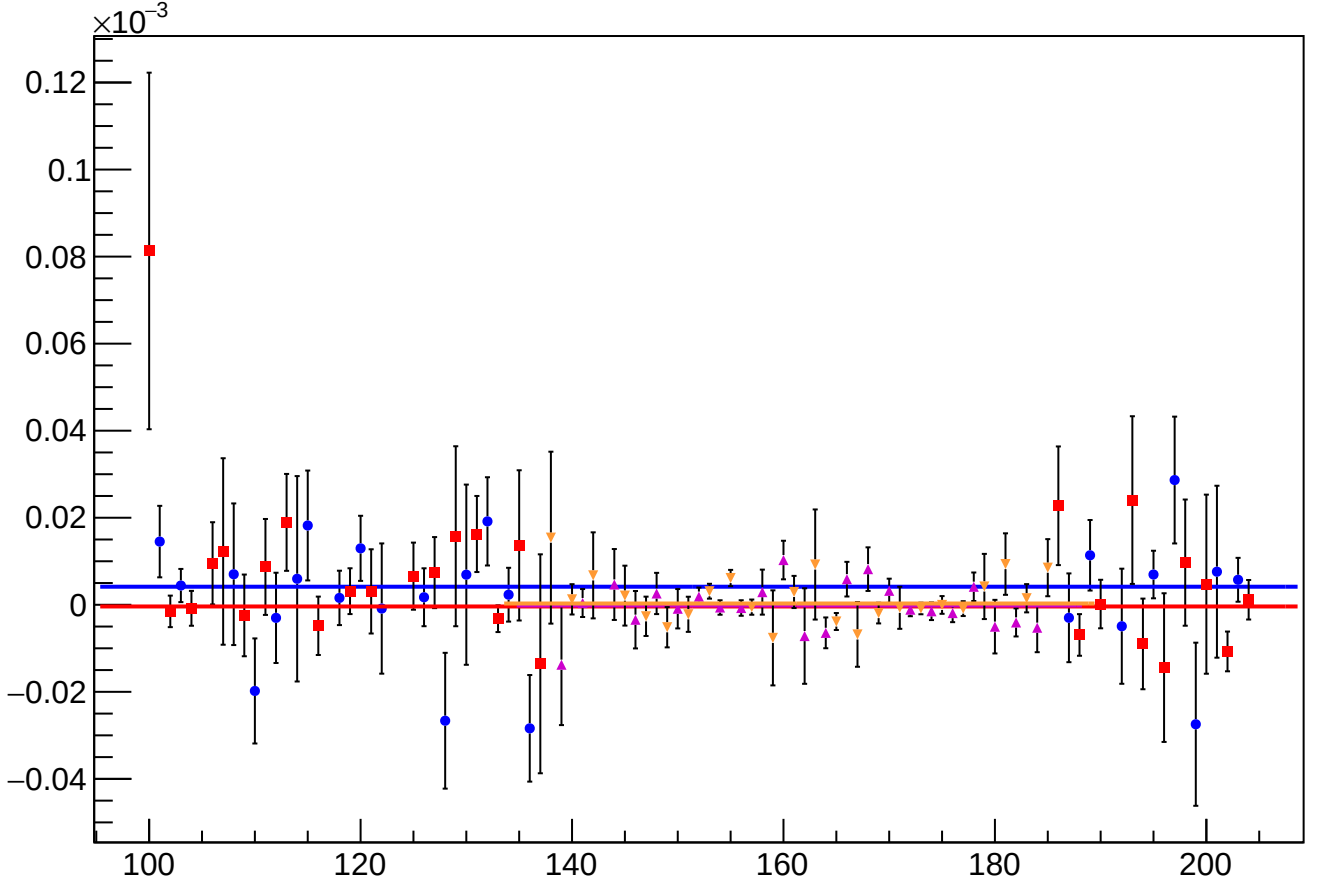
Right Out: 60.595+/-0.013 χ^2/NDF: 4270234.7/27

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 53.011+/-0.008 χ^2/NDF: 11811465.2/47

All: 52.846+/-0.006 χ^2/NDF: 23712732.9/98

- sign 52.693+/-0.008 χ^2/NDF: 11900442.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 30.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

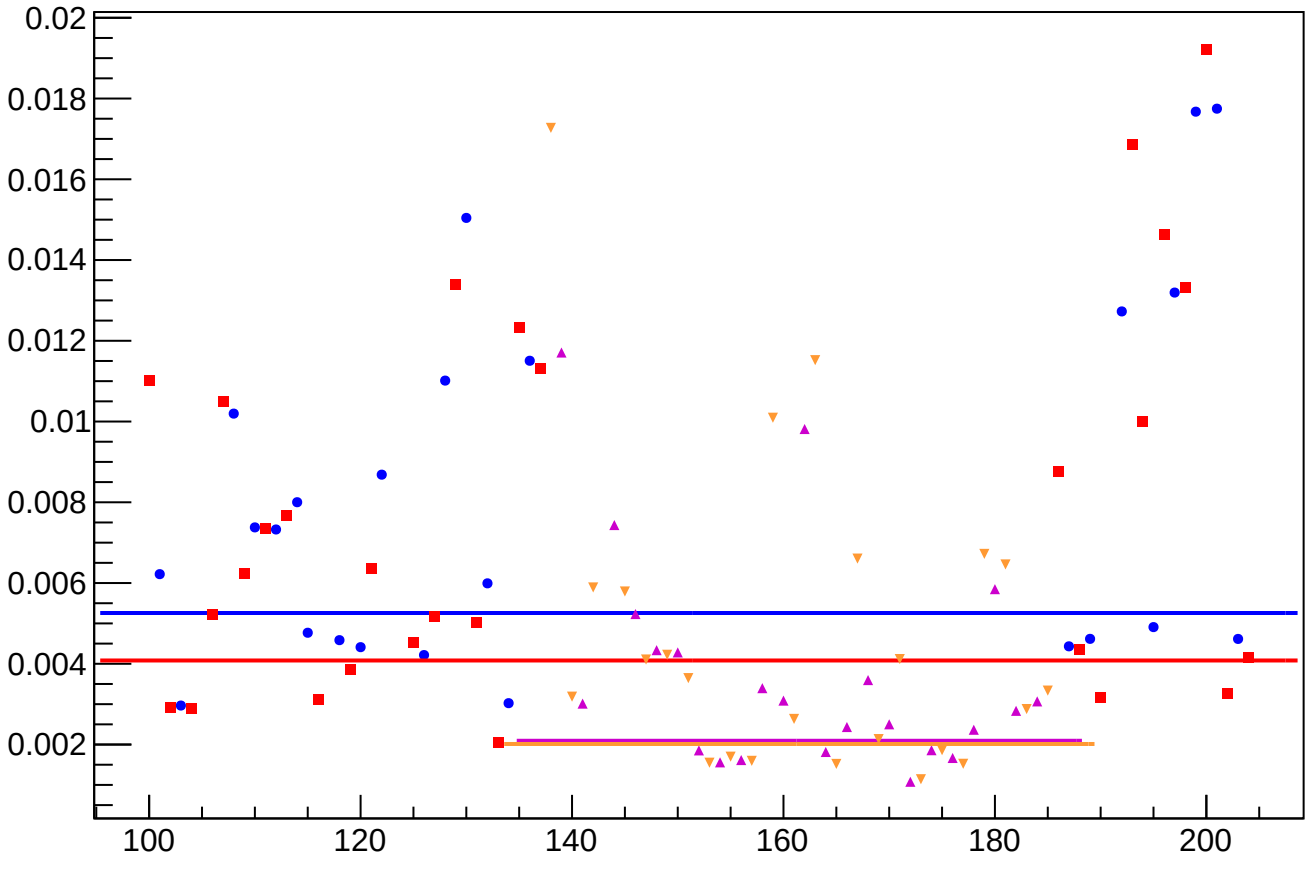
Right Out: -0.000+/-0.000 χ^2/NDF: 31.5/27

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.6/47

All: 0.000+/-0.000 χ^2/NDF: 121.7/98

- sign -0.000+/-0.000 χ^2/NDF: 56.8/50



Right In: 0.005+/-0.000 χ^2/NDF: 5795186.6/23

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

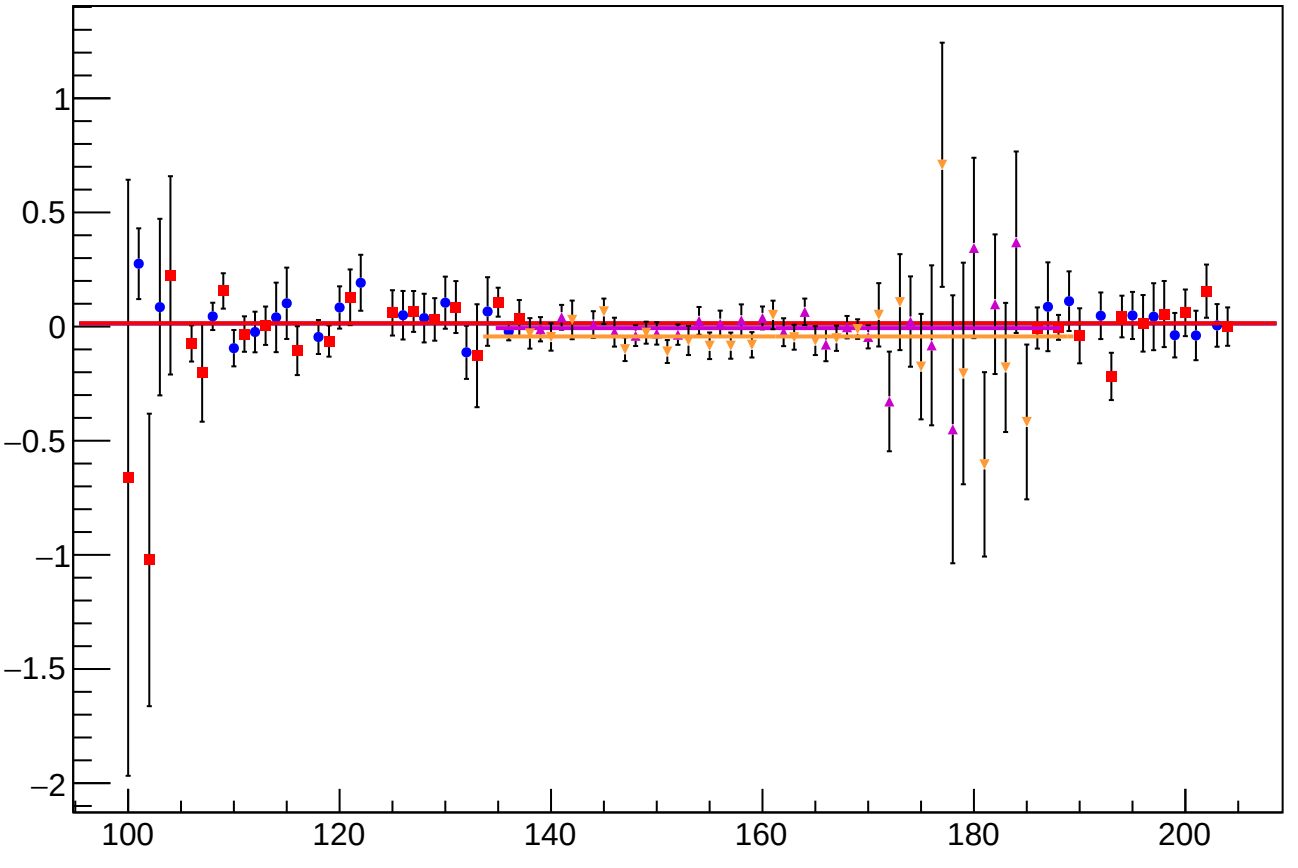
Right Out: 0.004+/-0.000 χ^2/NDF: 7805048.6/27

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 22591731.4/47

All: 0.002+/-0.000 χ^2/NDF: 41514058.7/98

- sign 0.002+/-0.000 χ^2/NDF: 18872566.1/50



Right In: 0.013+/-0.019 χ^2/NDF: 13.2/23

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

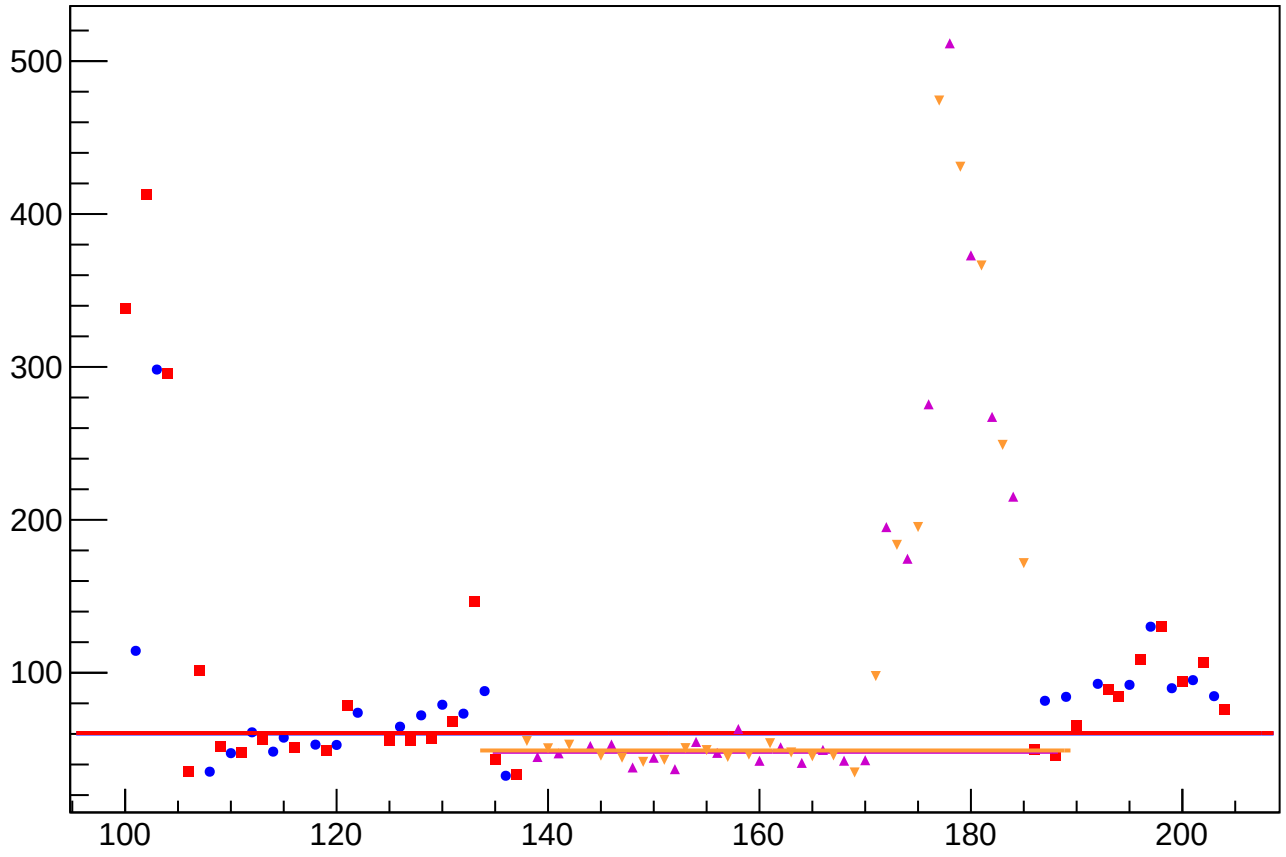
Right Out: 0.015+/-0.018 χ^2/NDF: 23.4/27

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.8/47

All: -0.011+/-0.008 χ^2/NDF: 75.8/98

- sign 0.001+/-0.011 χ^2/NDF: 35.5/50



Right In: 60.304+/-0.014 χ^2/NDF: 4120486.2/23

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

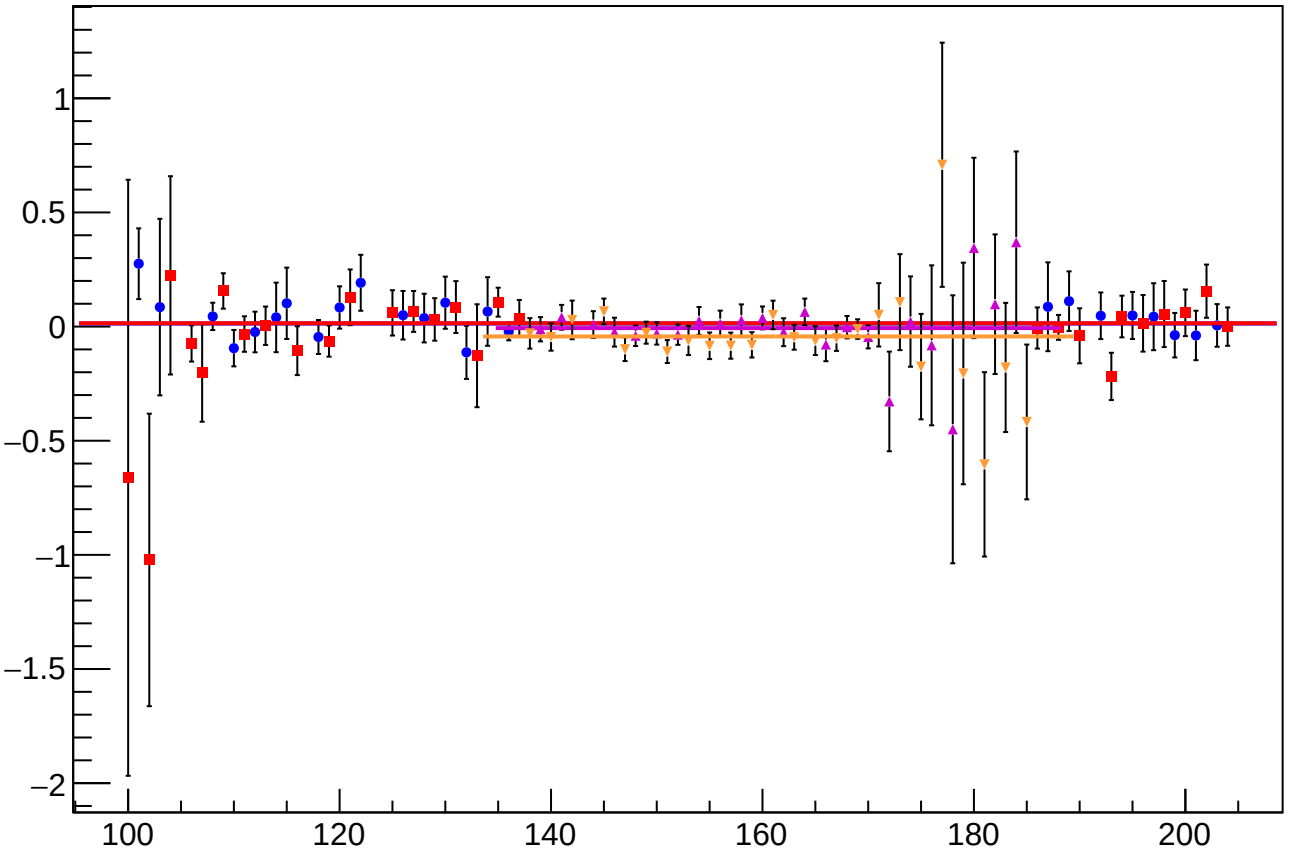
Right Out: 60.595+/-0.013 χ^2/NDF: 4270097.0/27

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 53.011+/-0.008 χ^2/NDF: 11811390.5/47

All: 52.846+/-0.006 χ^2/NDF: 23712476.3/98

\- sign 52.694+/-0.008 χ^2/NDF: 11900263.7/50



Right In: 0.013+/-0.019 χ^2/NDF: 13.2/23

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

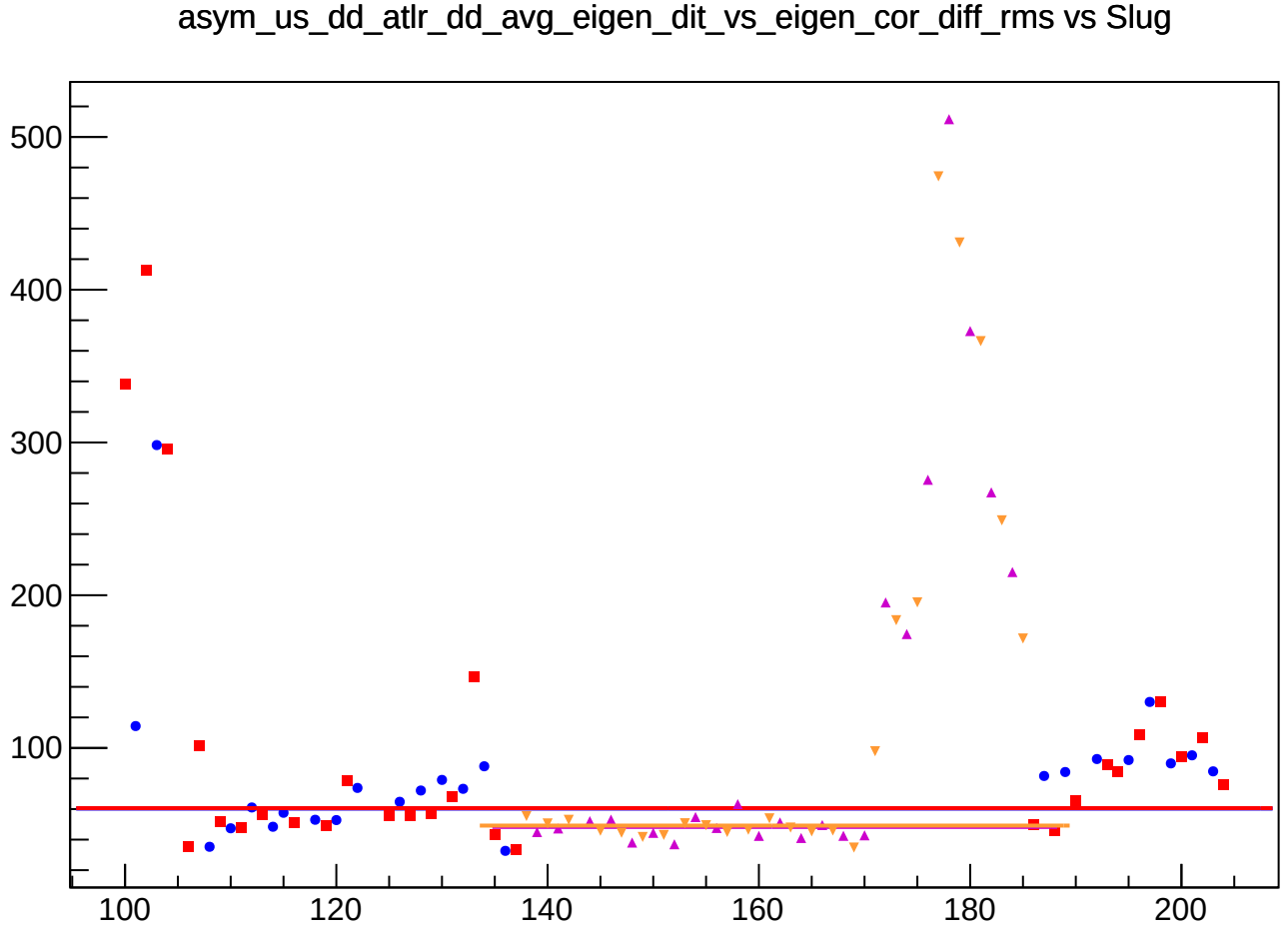
Right Out: 0.015+/-0.018 χ^2/NDF: 23.4/27

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.8/47

All: -0.011+/-0.008 χ^2/NDF: 75.8/98

- sign 0.001+/-0.011 χ^2/NDF: 35.5/50



Right In: 60.304+/-0.014 χ^2/NDF: 4120486.2/23

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

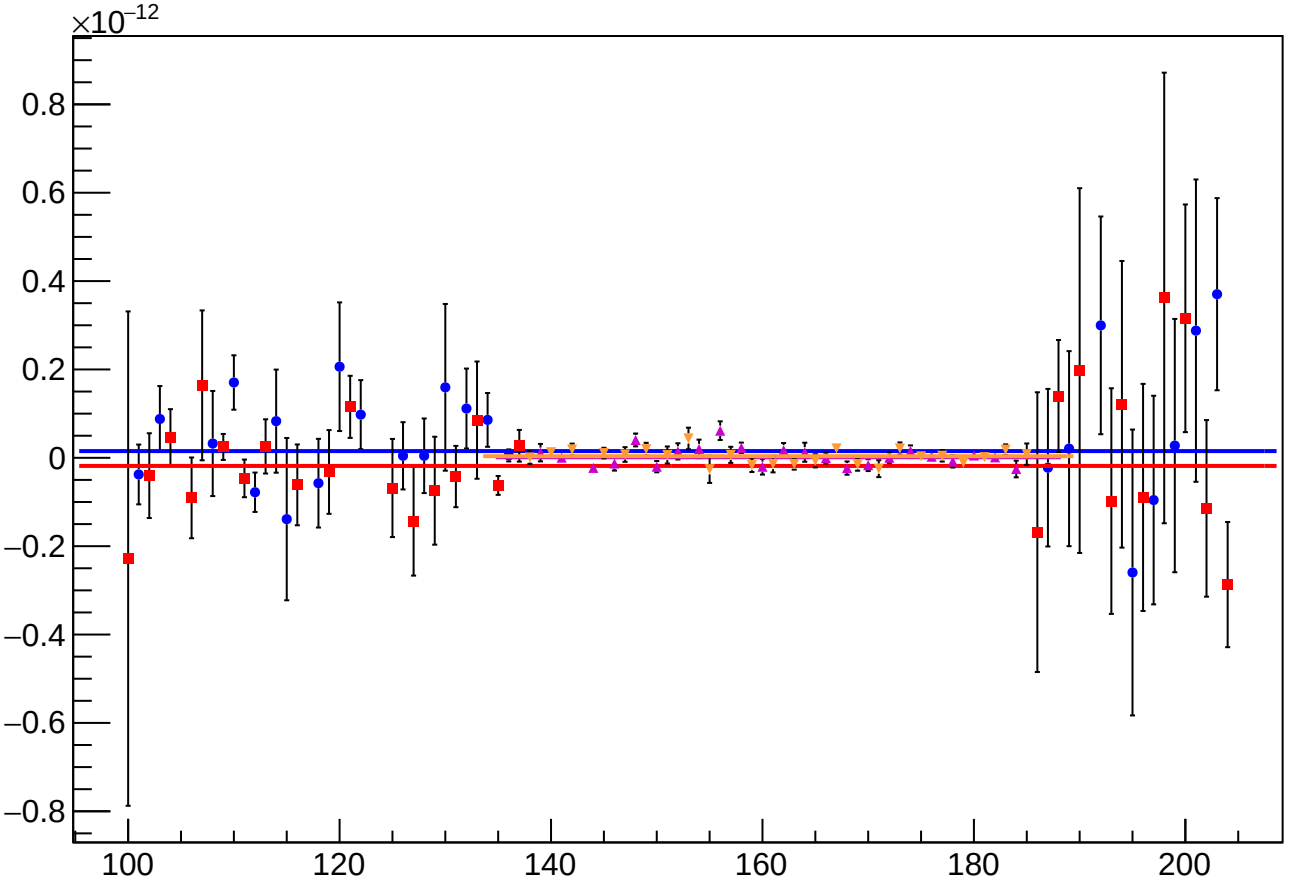
Right Out: 60.595+/-0.013 χ^2/NDF: 4270097.0/27

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 53.011+/-0.008 χ^2/NDF: 11811390.5/47

All: 52.846+/-0.006 χ^2/NDF: 23712476.3/98

\- sign 52.694+/-0.008 χ^2/NDF: 11900263.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

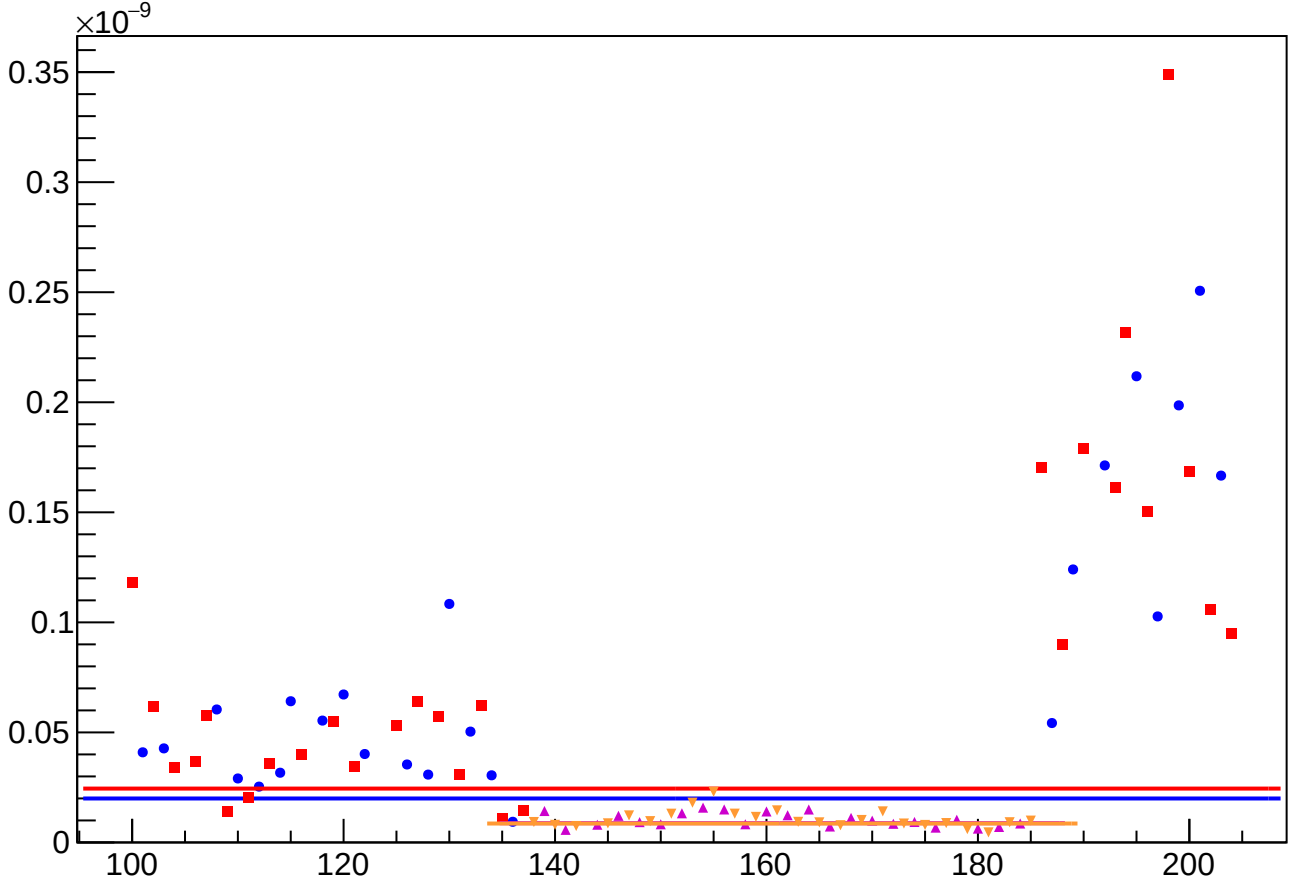
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/27

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.5/47

All: 0.000+/-0.000 χ^2/NDF: 121.6/98

- sign 0.000+/-0.000 χ^2/NDF: 69.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 8283740.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8132303.6/27

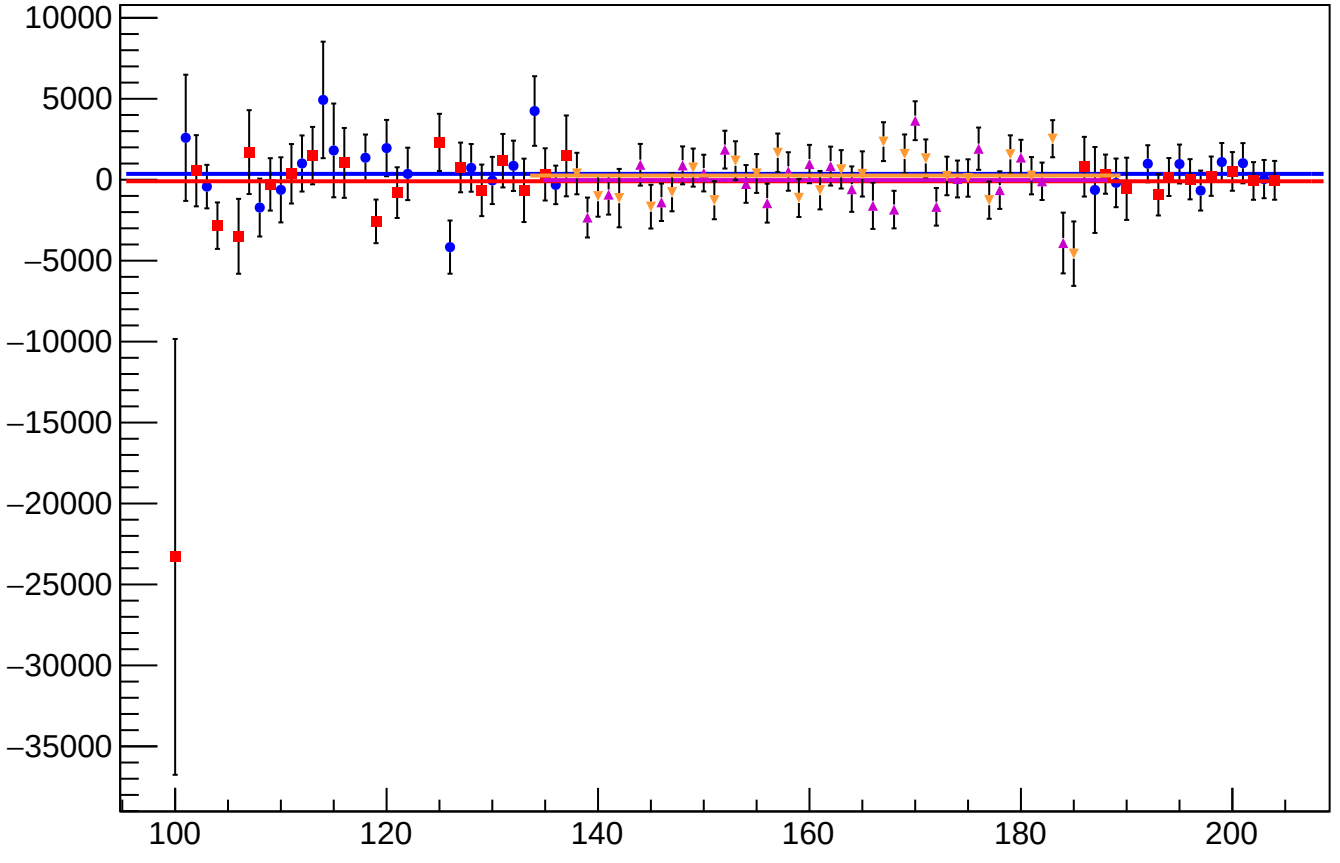
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 12728682.3/47

All: 0.000+/-0.000 χ^2/NDF: 25926732.9/98

- sign 0.000+/-0.000 χ^2/NDF: 13187165.9/50

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 361.868+/-311.068 χ^2/NDF: 19.3/23

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -94.751+/-294.015 χ^2/NDF: 18.8/27

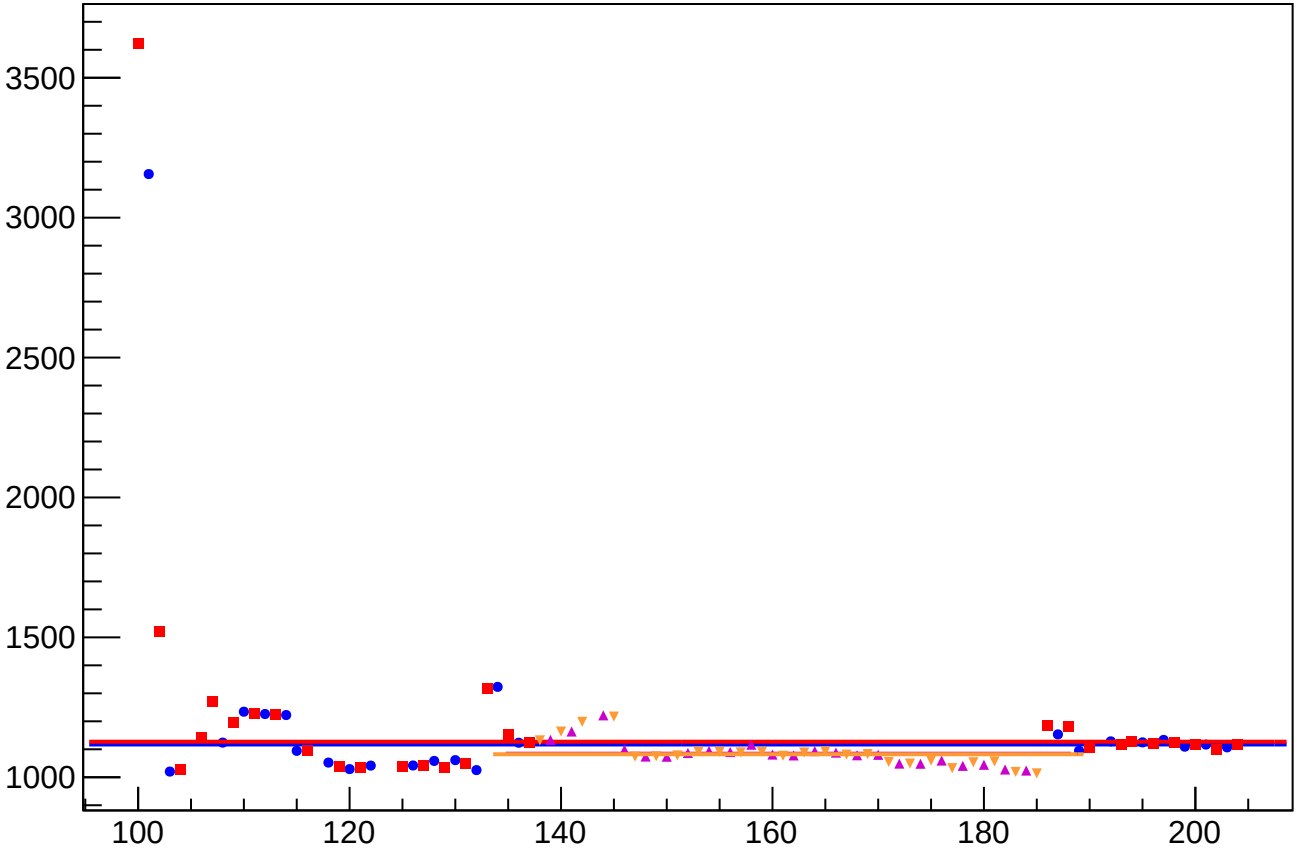
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 300.641+/-195.528 χ^2/NDF: 47.6/47

All: 120.419+/-136.965 χ^2/NDF: 103.8/98

- sign -53.209+/-191.918 χ^2/NDF: 54.6/50

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1117.203+/-0.220 χ^2/NDF: 625079.8/23

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

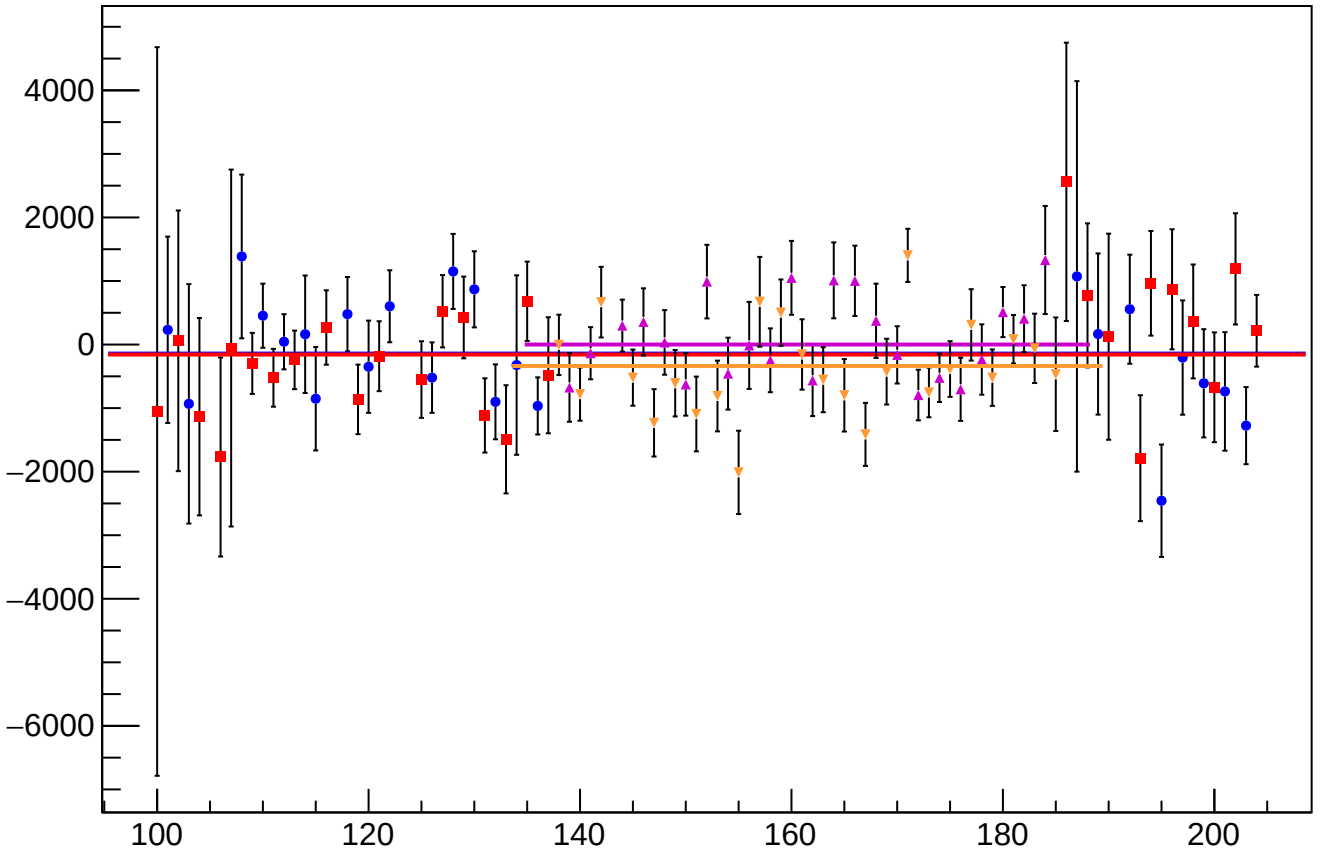
Right Out: 1127.029+/-0.208 χ^2/NDF: 230111.1/27

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1096.095+/-0.138 χ^2/NDF: 698176.8/47

All: 1099.321+/-0.097 χ^2/NDF: 1007191.0/98

- sign 1102.429+/-0.136 χ^2/NDF: 307945.0/50



Right In: -142.151+/-143.868 χ^2/NDF: 32.1/23

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: -157.298+/-137.353 χ^2/NDF: 25.7/27

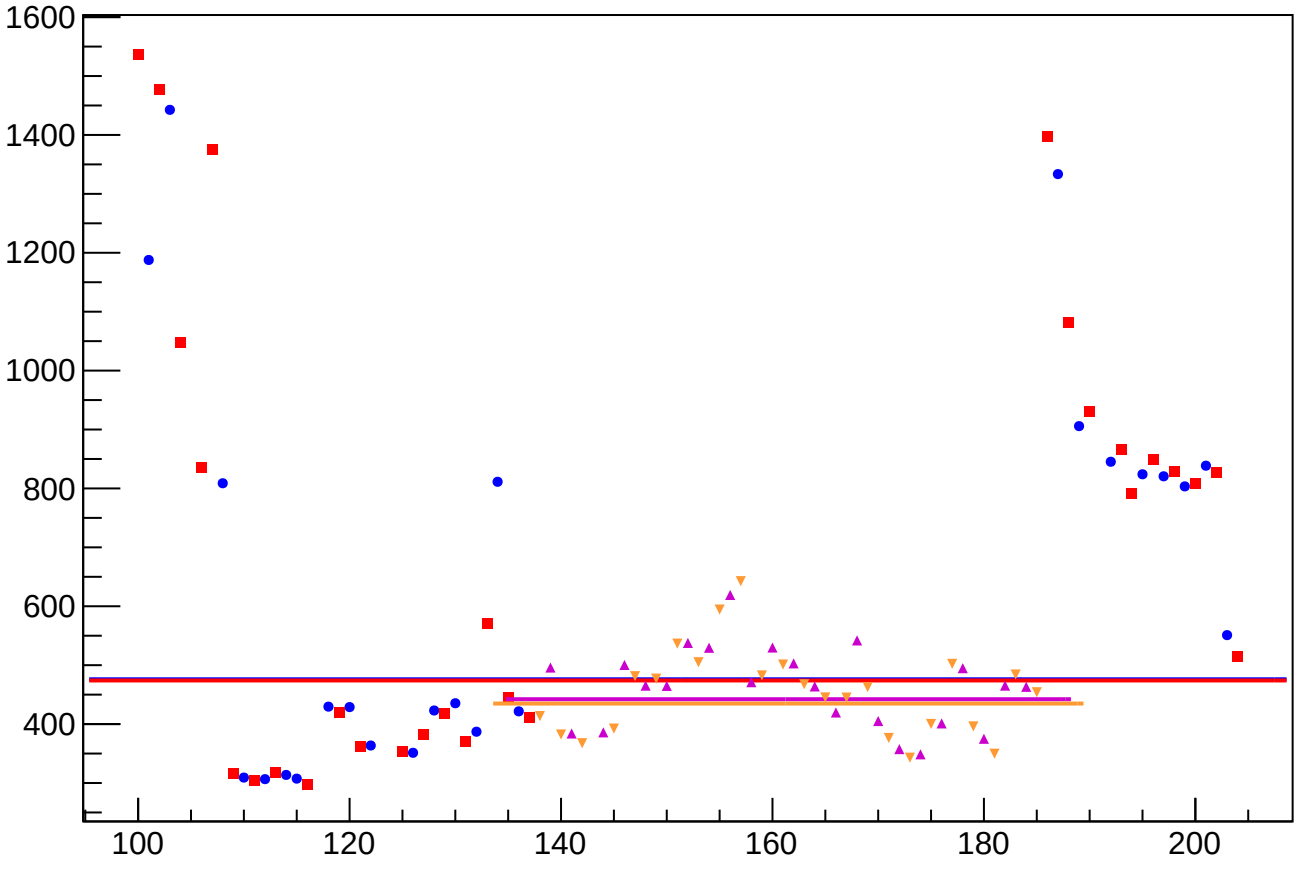
Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -271.792+/-83.534 χ^2/NDF: 82.1/47

All: -164.317+/-58.979 χ^2/NDF: 143.8/98

- sign -57.486+/-83.284 χ^2/NDF: 58.4/50

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 476.061+/-0.102 χ^2/NDF: 4204482.4/23

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 474.048+/-0.097 χ^2/NDF: 5354410.3/27

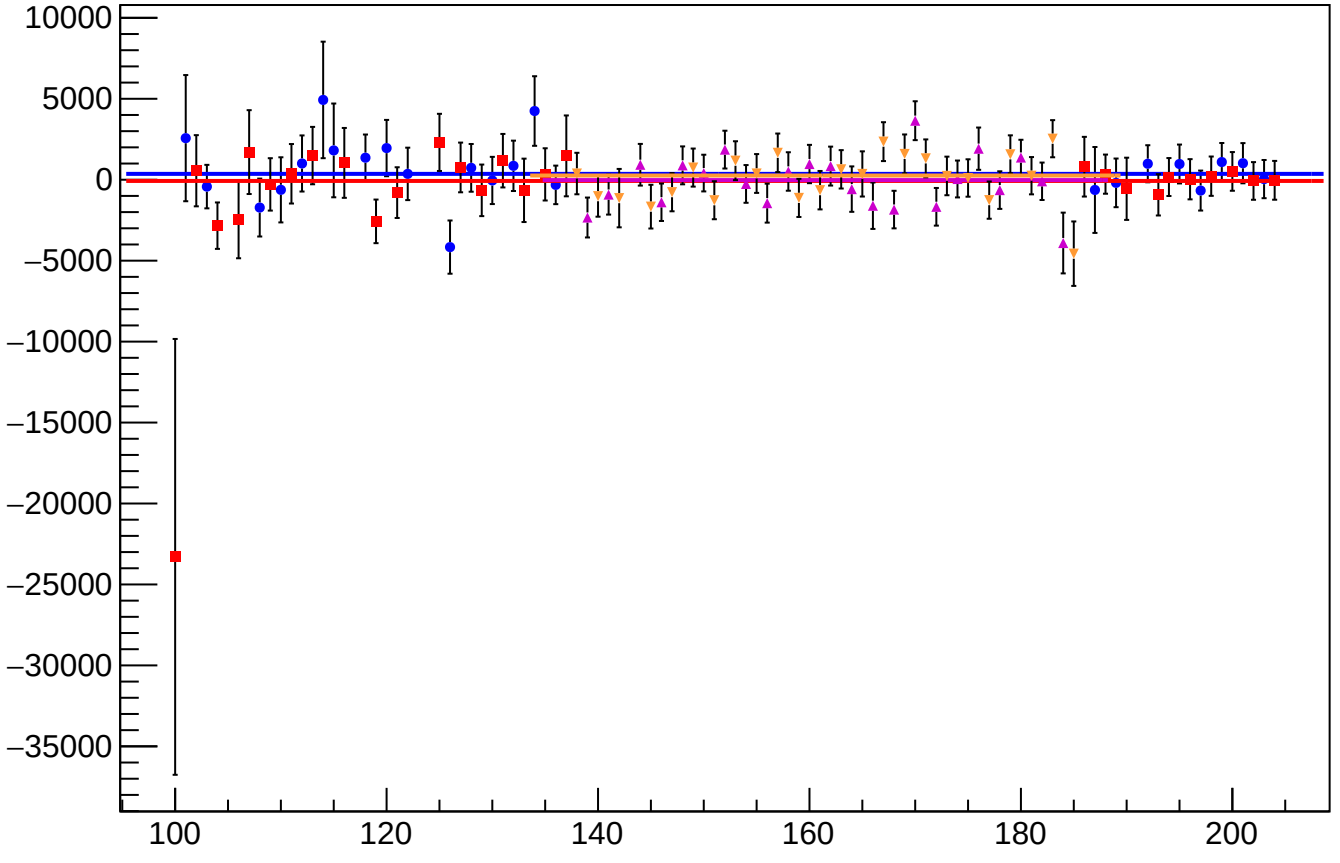
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 448.749+/-0.059 χ^2/NDF: 5191633.3/47

All: 451.340+/-0.042 χ^2/NDF: 11443808.6/98

- sign 453.915+/-0.059 χ^2/NDF: 6248340.0/50

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 361.720+/-311.068 χ^2/NDF: 19.3/23

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -74.785+/-294.198 χ^2/NDF: 17.6/27

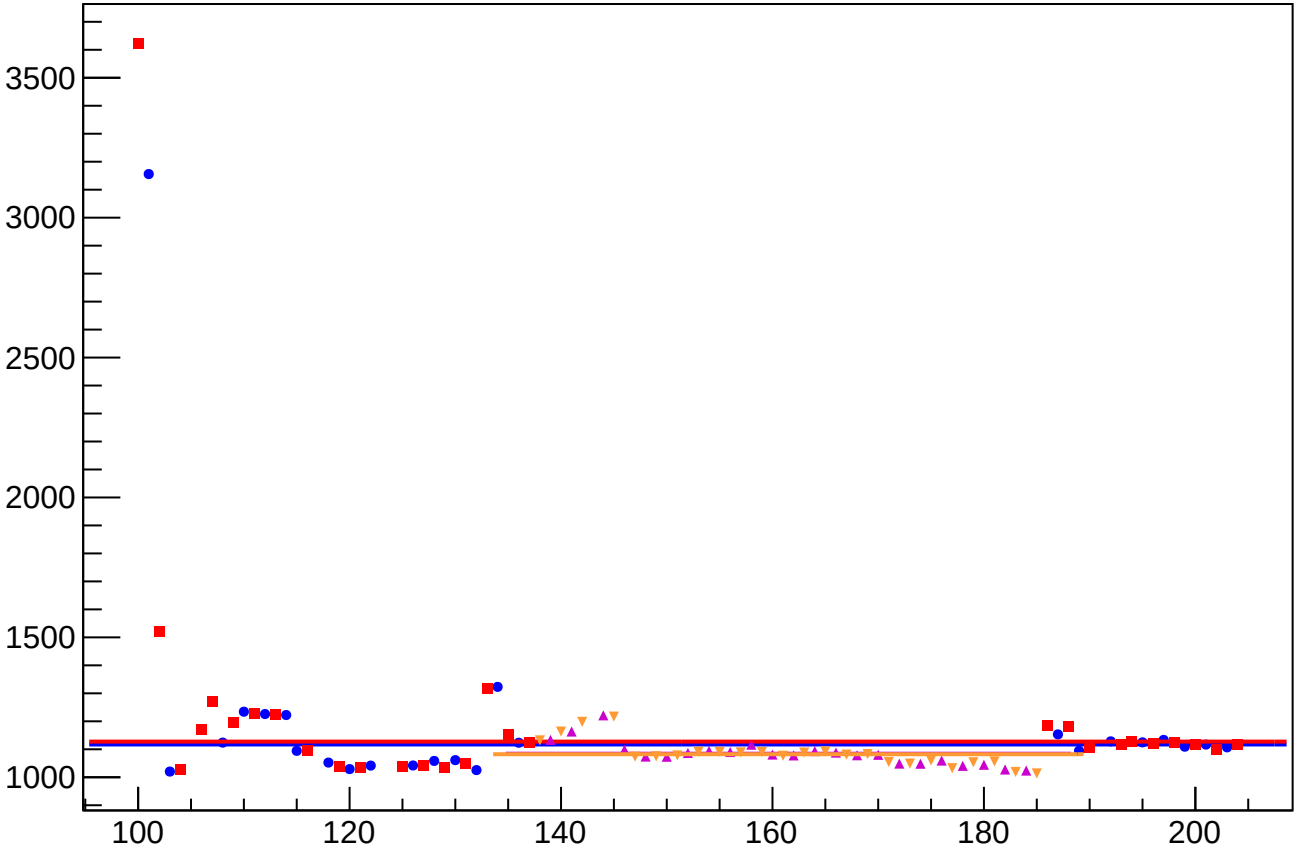
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 300.576+/-195.528 χ^2/NDF: 47.6/47

All: 124.776+/-136.983 χ^2/NDF: 102.5/98

- sign -44.682+/-191.969 χ^2/NDF: 53.4/50

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1117.202+/-0.220 χ^2/NDF: 625080.8/23

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

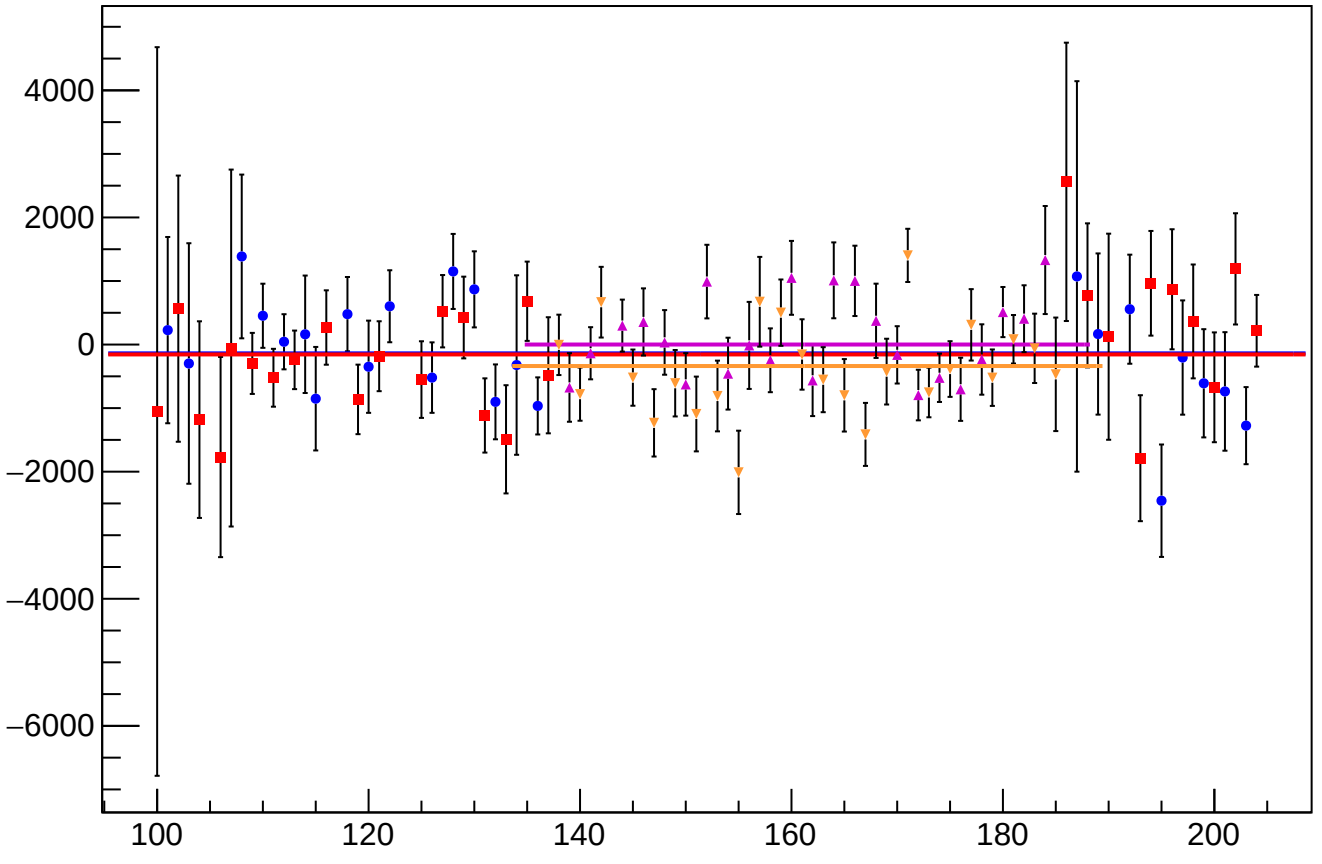
Right Out: 1127.480+/-0.208 χ^2/NDF: 230729.3/27

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1096.095+/-0.138 χ^2/NDF: 698177.7/47

All: 1099.411+/-0.097 χ^2/NDF: 1008369.4/98

- sign 1102.608+/-0.136 χ^2/NDF: 309061.6/50



Right In: -138.584+/-143.869 χ^2/NDF: 31.9/23

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: -155.470+/-137.369 χ^2/NDF: 25.8/27

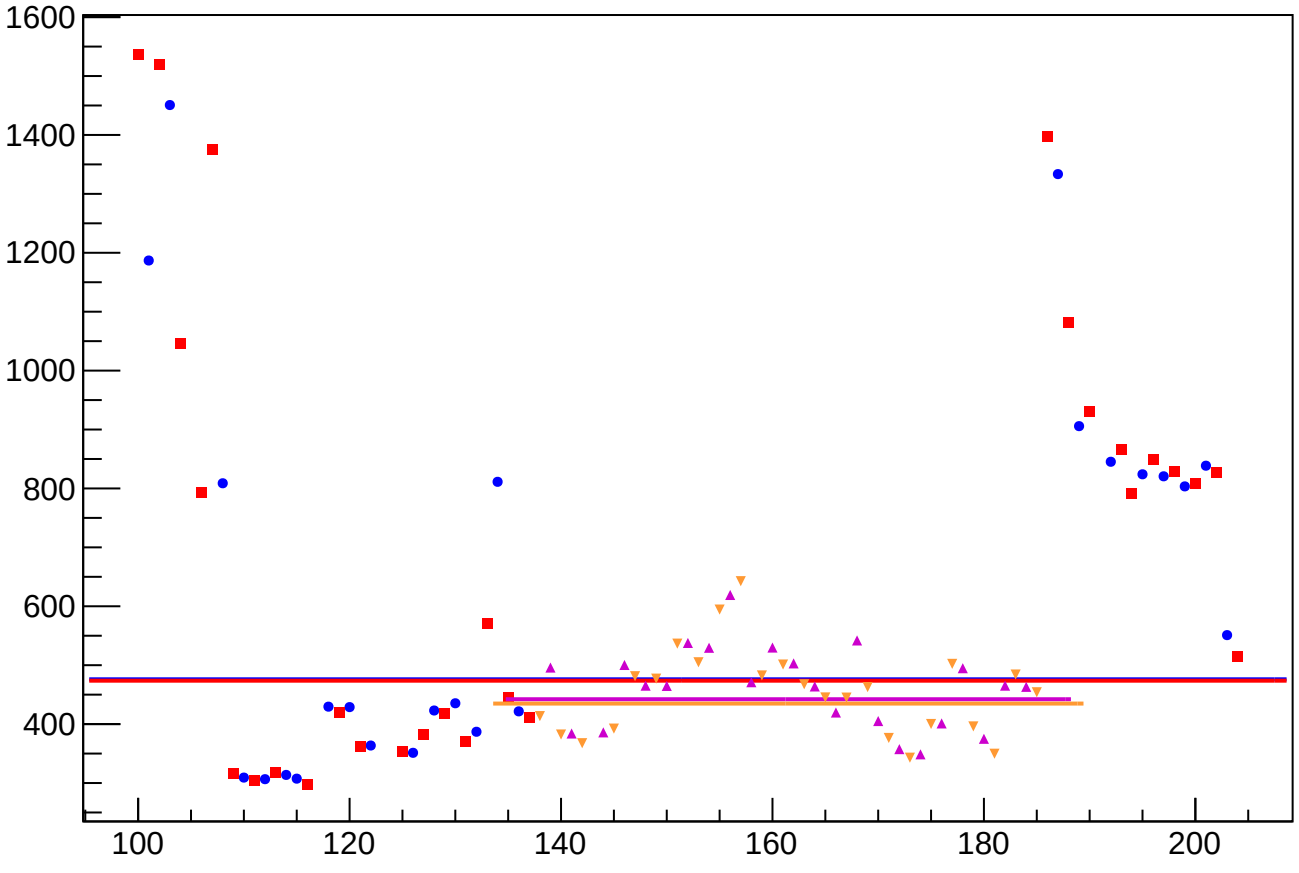
Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -270.649+/-83.534 χ^2/NDF: 82.0/47

All: -163.404+/-58.980 χ^2/NDF: 143.8/98

- sign -56.793+/-83.287 χ^2/NDF: 58.5/50

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 476.053+/-0.102 χ^2/NDF: 4208300.0/23

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 473.709+/-0.097 χ^2/NDF: 5348999.4/27

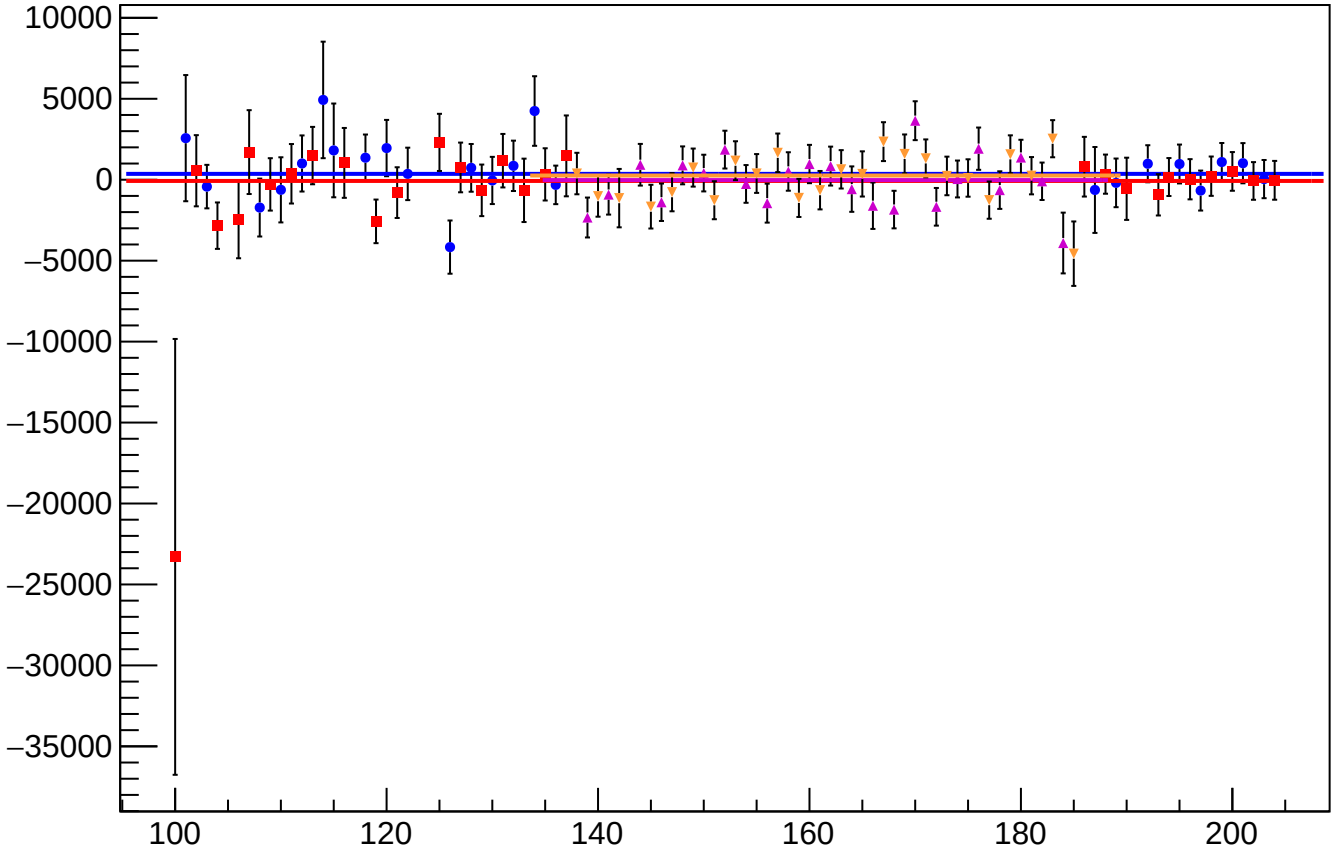
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 448.745+/-0.059 χ^2/NDF: 5195513.5/47

All: 451.274+/-0.042 χ^2/NDF: 11440519.8/98

- sign 453.789+/-0.059 χ^2/NDF: 6241348.7/50

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 361.720+/-311.068 χ^2/NDF: 19.3/23

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -74.785+/-294.198 χ^2/NDF: 17.6/27

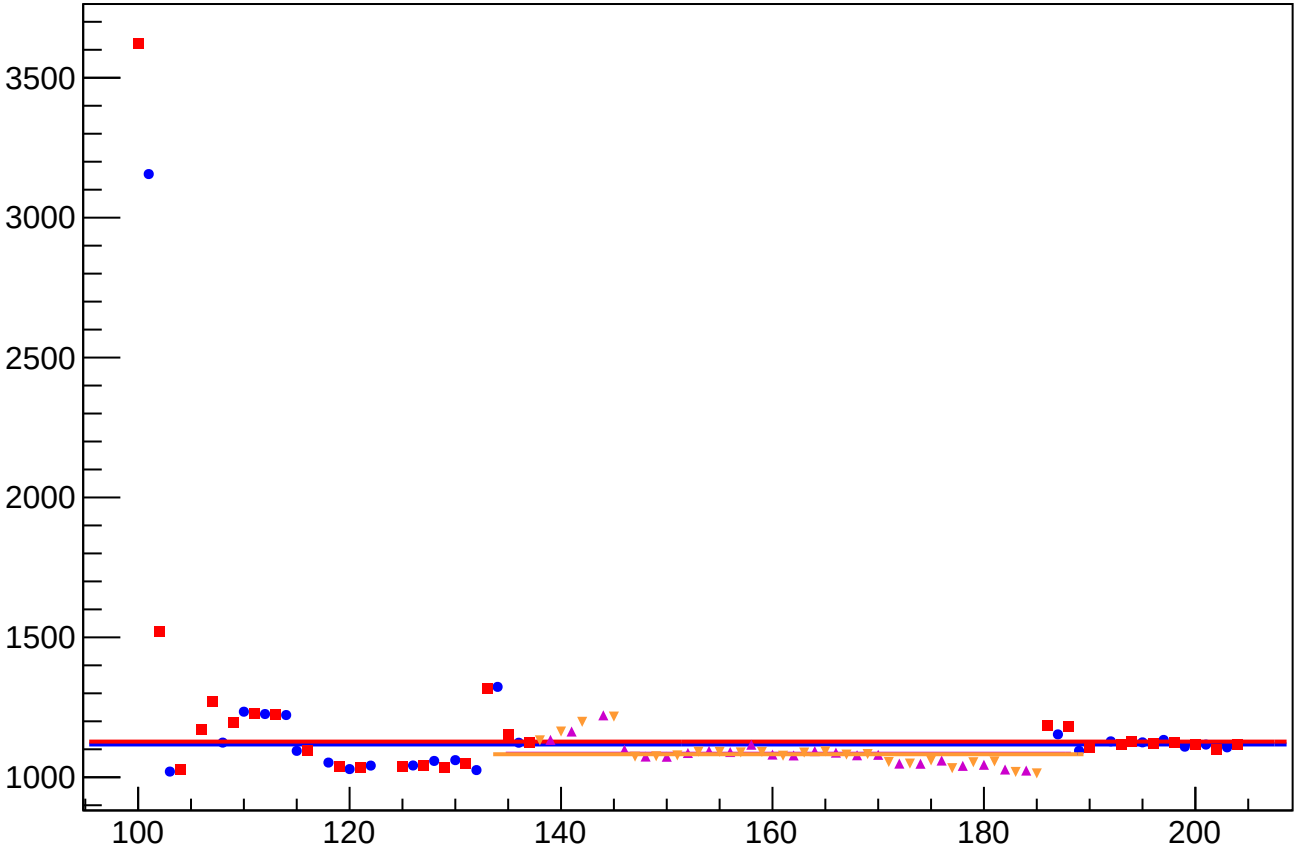
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 300.576+/-195.528 χ^2/NDF: 47.6/47

All: 124.776+/-136.983 χ^2/NDF: 102.5/98

- sign -44.682+/-191.969 χ^2/NDF: 53.4/50

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1117.202+/-0.220 χ^2/NDF: 625080.8/23

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

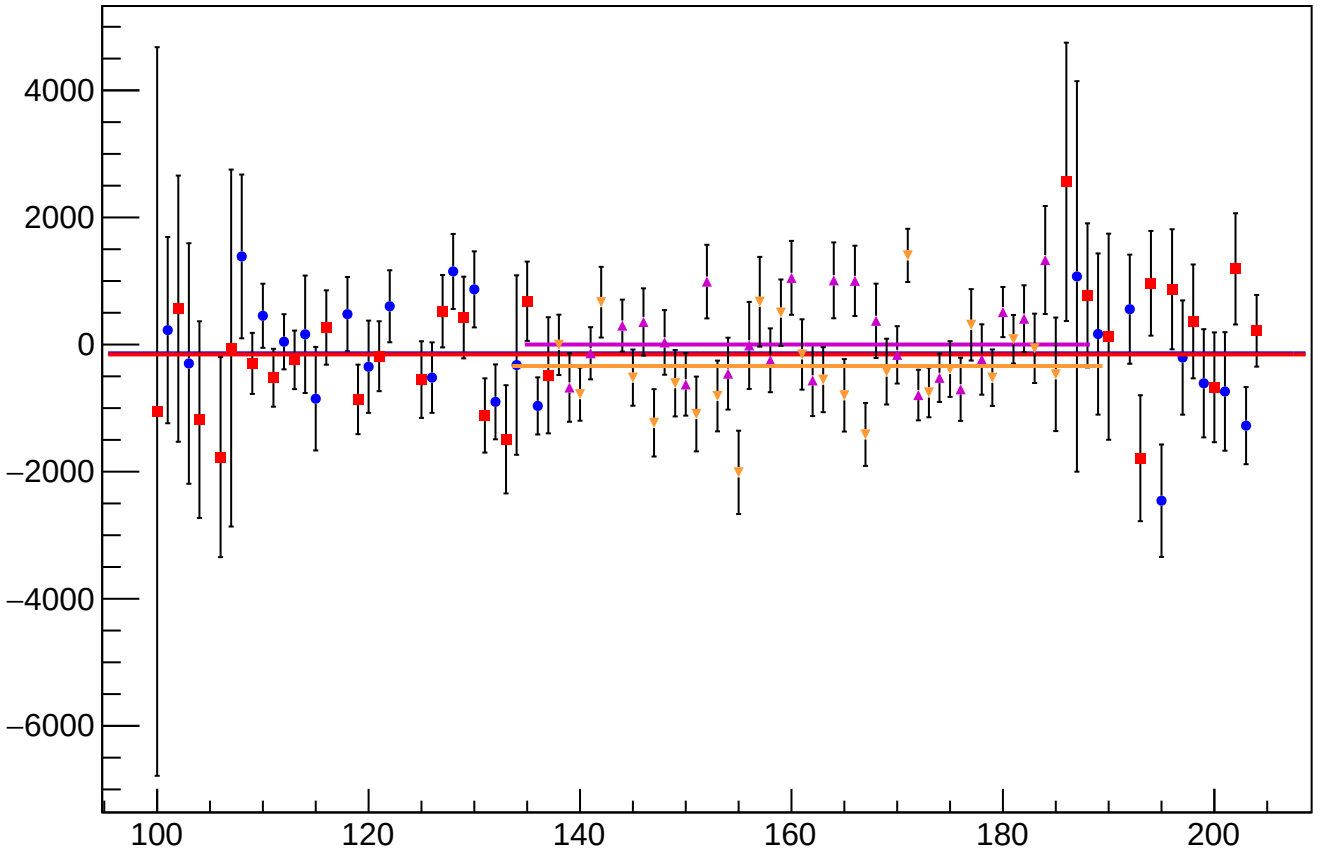
Right Out: 1127.480+/-0.208 χ^2/NDF: 230729.3/27

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1096.095+/-0.138 χ^2/NDF: 698177.7/47

All: 1099.411+/-0.097 χ^2/NDF: 1008369.4/98

- sign 1102.608+/-0.136 χ^2/NDF: 309061.6/50



Right In: -138.584+/-143.869 χ^2/NDF: 31.9/23

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

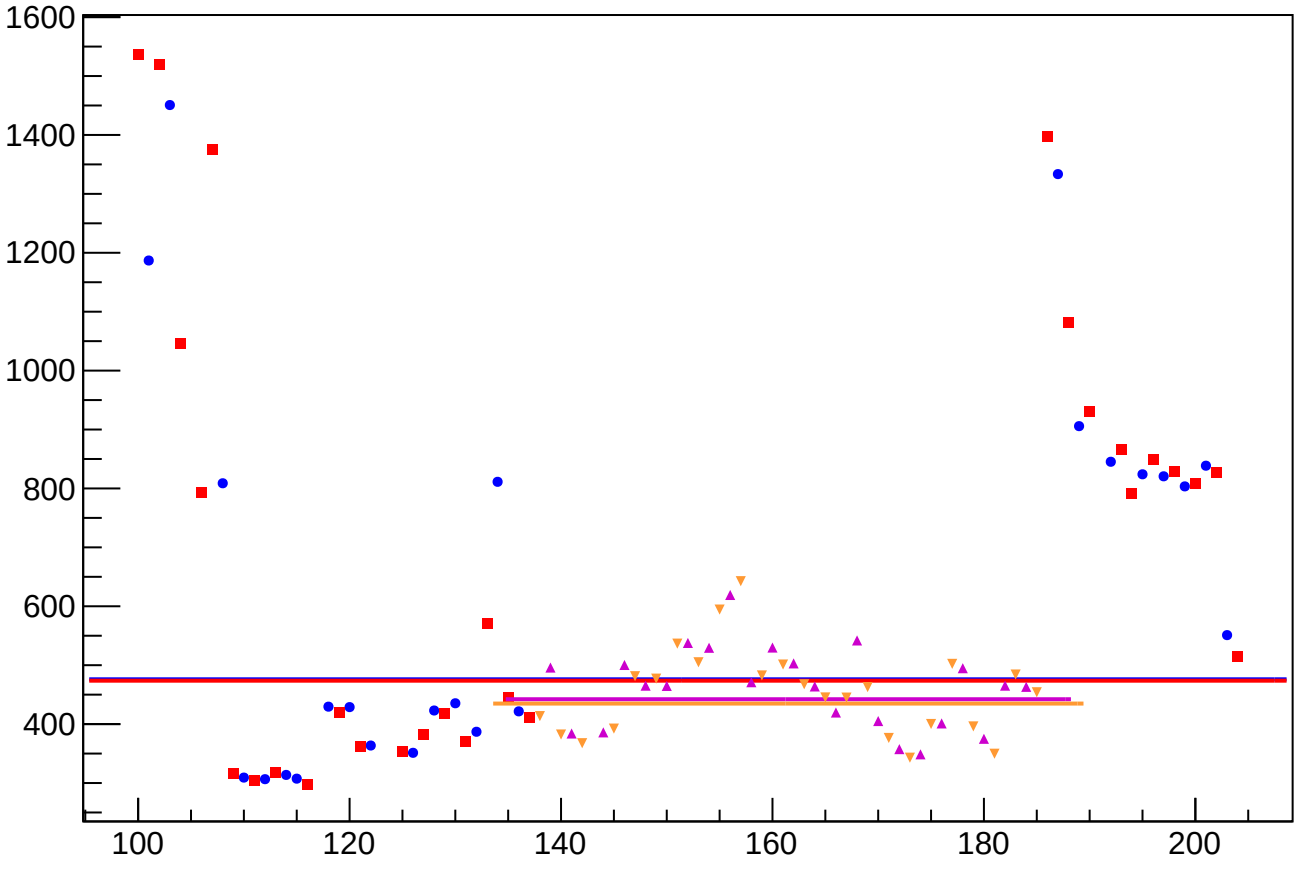
Right Out: -155.470+/-137.369 χ^2/NDF: 25.8/27

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -270.649+/-83.534 χ^2/NDF: 82.0/47

All: -163.404+/-58.980 χ^2/NDF: 143.8/98

- sign -56.793+/-83.287 χ^2/NDF: 58.5/50



Right In: 476.053+/-0.102 χ^2/NDF: 4208300.0/23

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 473.709+/-0.097 χ^2/NDF: 5348999.4/27

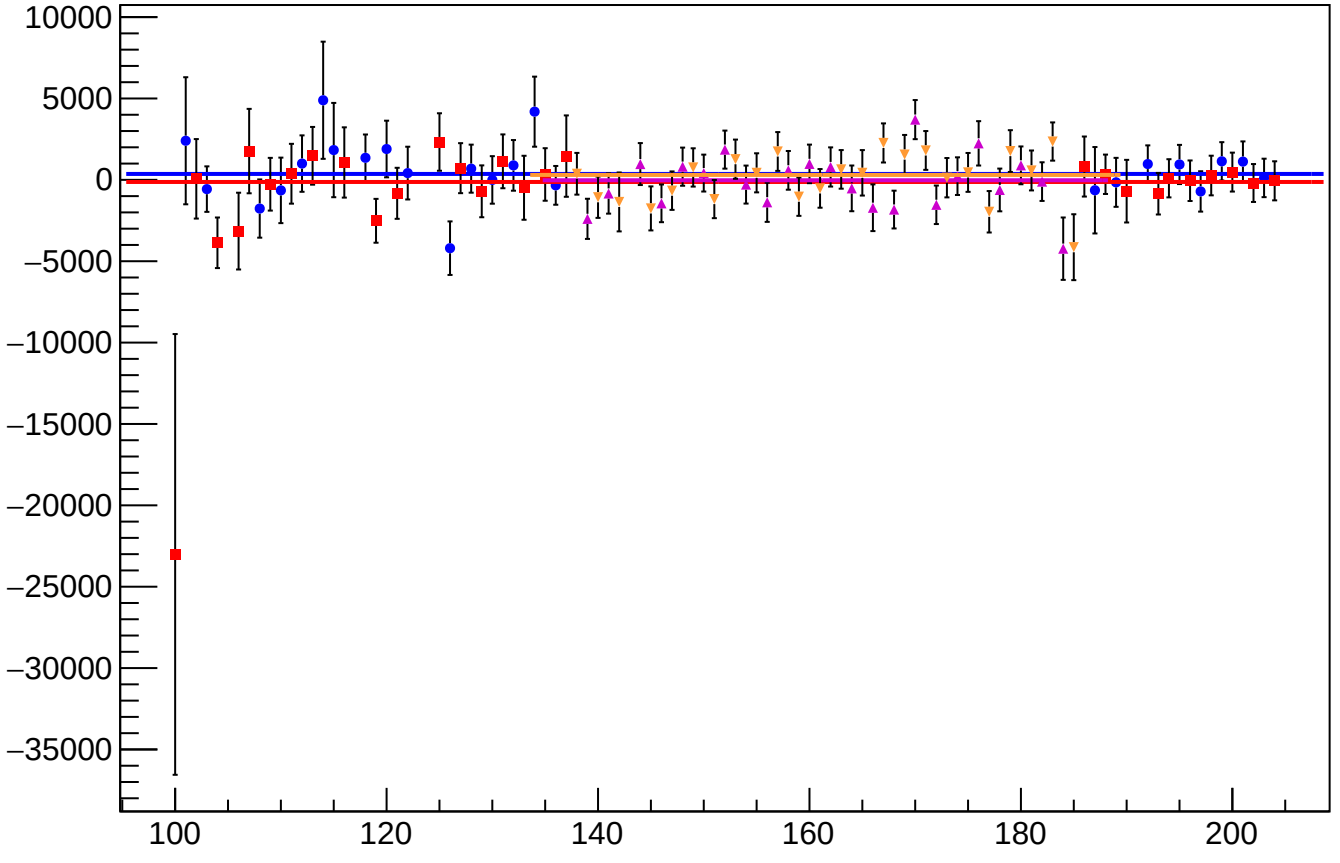
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 448.745+/-0.059 χ^2/NDF: 5195513.5/47

All: 451.274+/-0.042 χ^2/NDF: 11440519.8/98

- sign 453.789+/-0.059 χ^2/NDF: 6241348.7/50

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 363.198+/-312.090 χ^2/NDF: 19.4/23

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -129.829+/-295.848 χ^2/NDF: 20.1/27

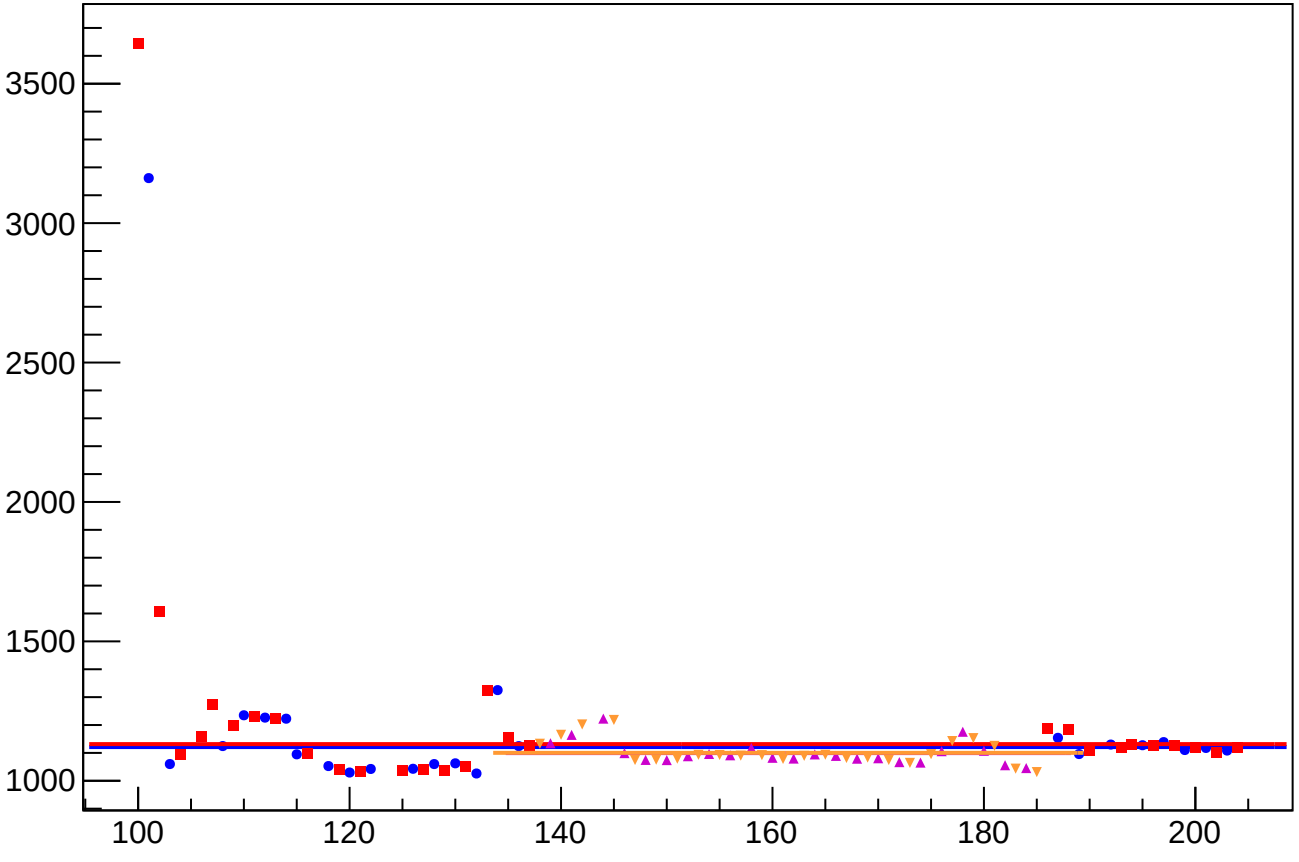
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 327.404+/-197.725 χ^2/NDF: 47.9/47

All: 124.761+/-138.462 χ^2/NDF: 106.0/98

- sign -70.239+/-193.960 χ^2/NDF: 56.0/50

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1120.936+/-0.221 χ^2/NDF: 618885.7/23

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

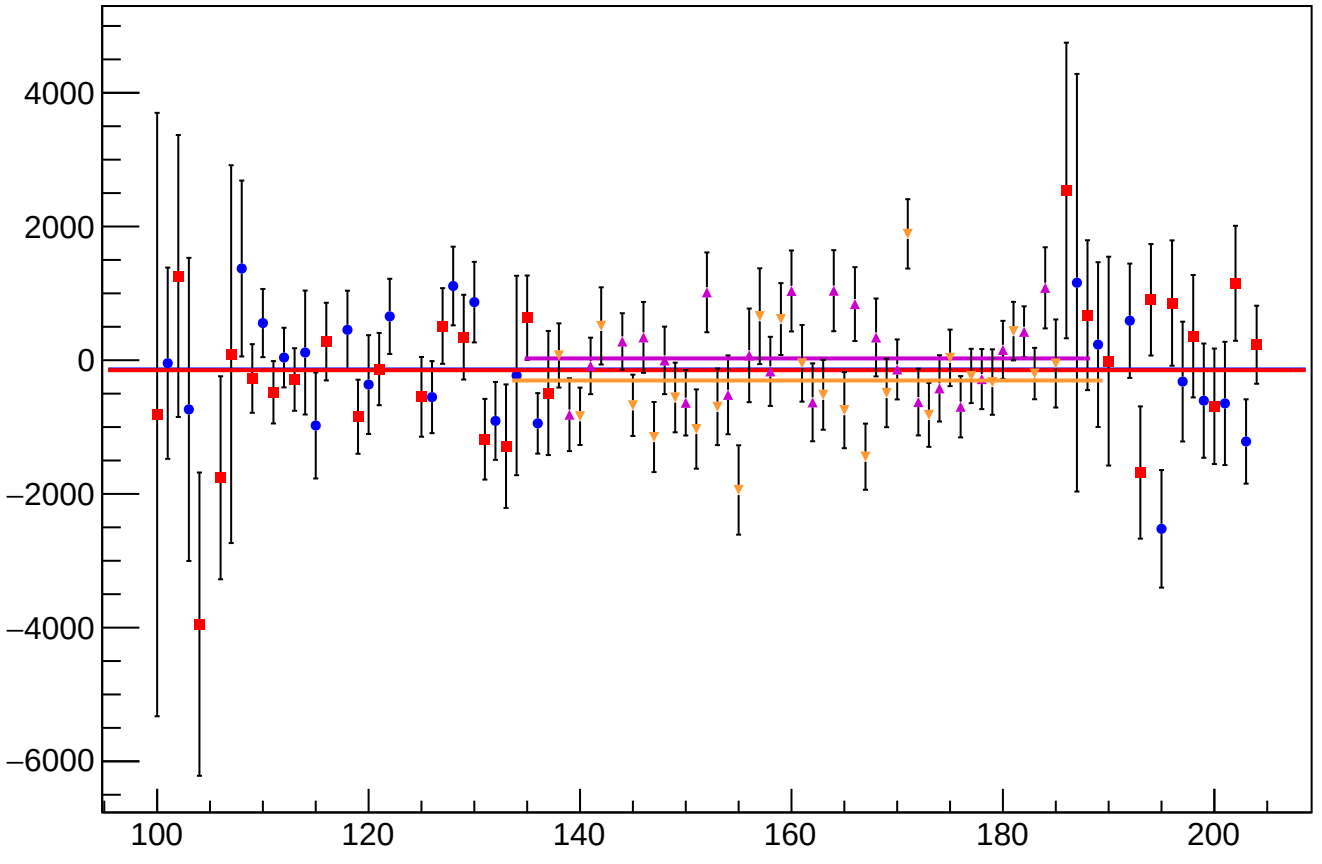
Right Out: 1131.569+/-0.209 χ^2/NDF: 235378.5/27

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1108.558+/-0.140 χ^2/NDF: 672915.7/47

All: 1110.920+/-0.098 χ^2/NDF: 967171.7/98

- sign 1113.194+/-0.137 χ^2/NDF: 293695.7/50



Right In: -138.641+/-144.483 χ^2/NDF: 32.4/23

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: -149.301+/-139.387 χ^2/NDF: 26.3/27

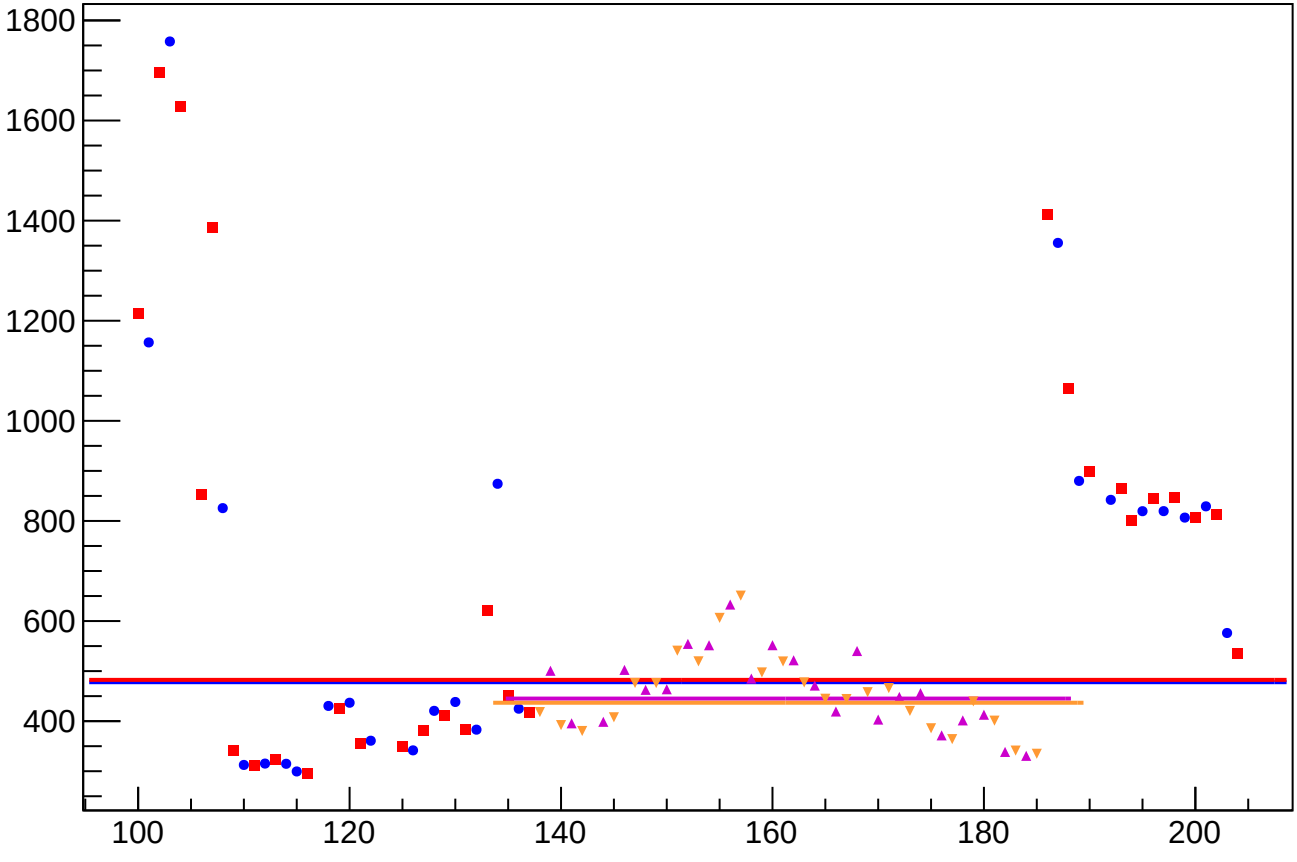
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -247.775+/-83.859 χ^2/NDF: 82.8/47

All: -142.824+/-59.375 χ^2/NDF: 141.1/98

- sign -37.317+/-84.081 χ^2/NDF: 55.2/50

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 477.832+/-0.102 χ^2/NDF: 4312241.6/23

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 482.480+/-0.099 χ^2/NDF: 5674671.3/27

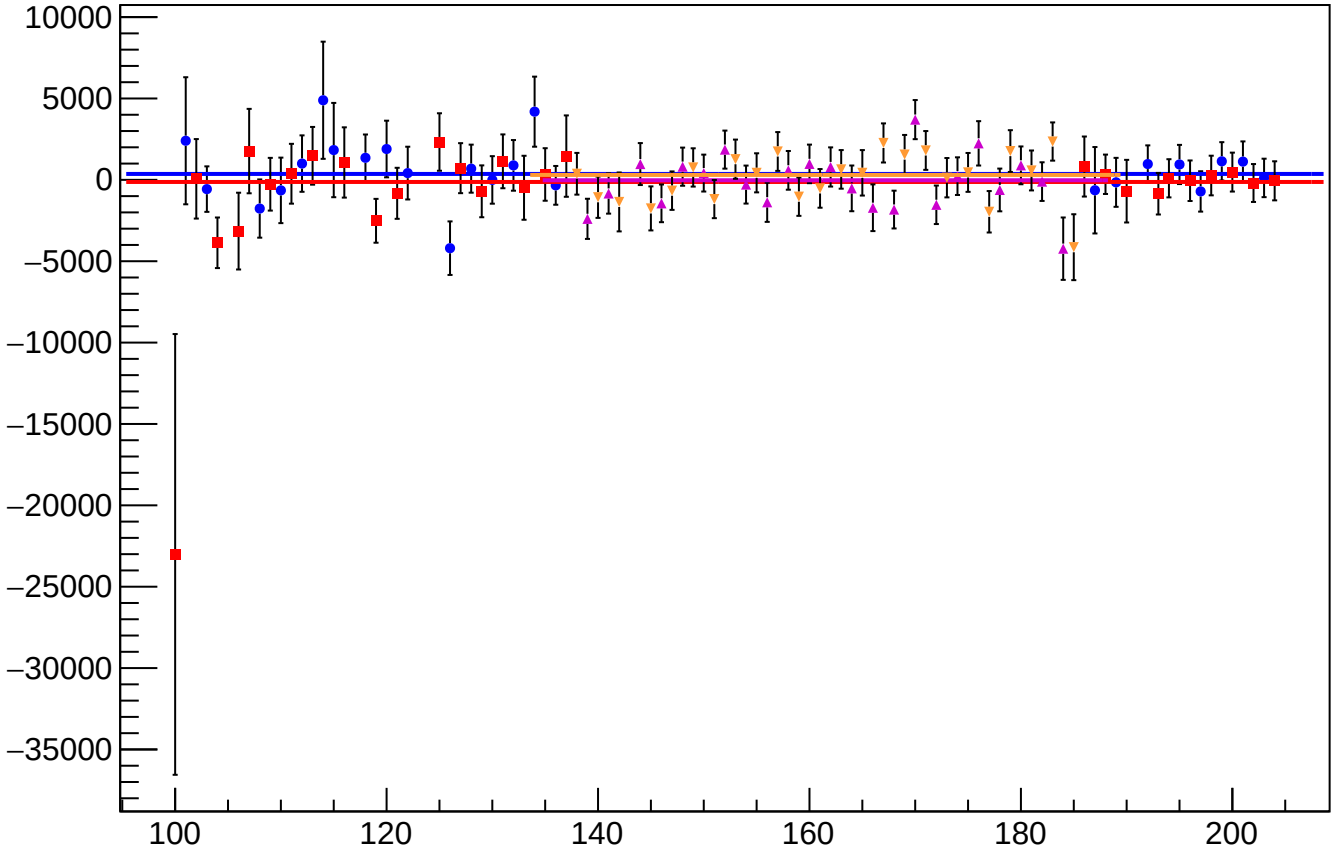
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 450.614+/-0.059 χ^2/NDF: 5274481.6/47

All: 454.650+/-0.042 χ^2/NDF: 11924430.8/98

- sign 458.707+/-0.059 χ^2/NDF: 6640659.9/50

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 363.201+/-312.090 χ^2/NDF: 19.4/23

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -129.828+/-295.848 χ^2/NDF: 20.1/27

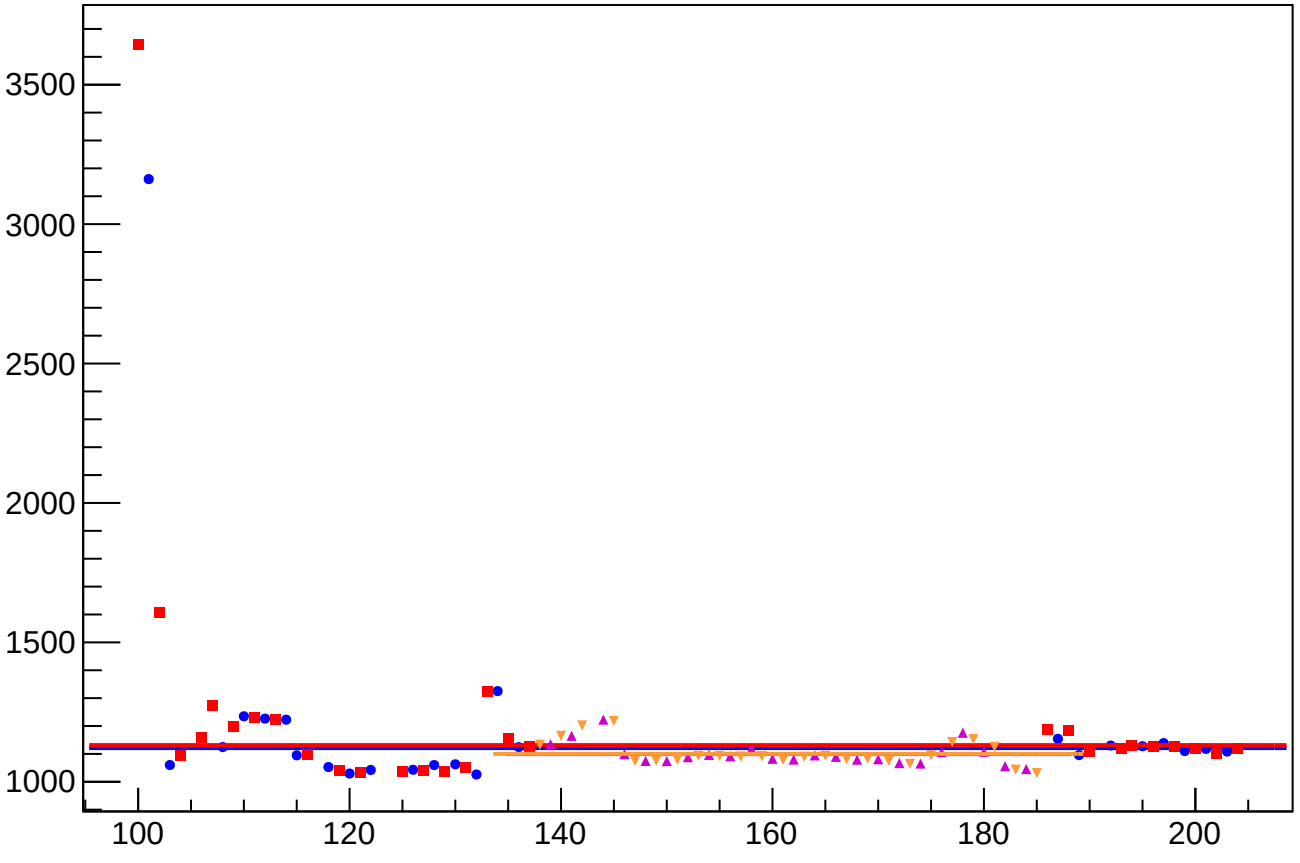
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 327.404+/-197.725 χ^2/NDF: 47.9/47

All: 124.761+/-138.462 χ^2/NDF: 106.0/98

- sign -70.240+/-193.960 χ^2/NDF: 56.0/50

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1120.936+/-0.221 χ^2/NDF: 618885.7/23

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

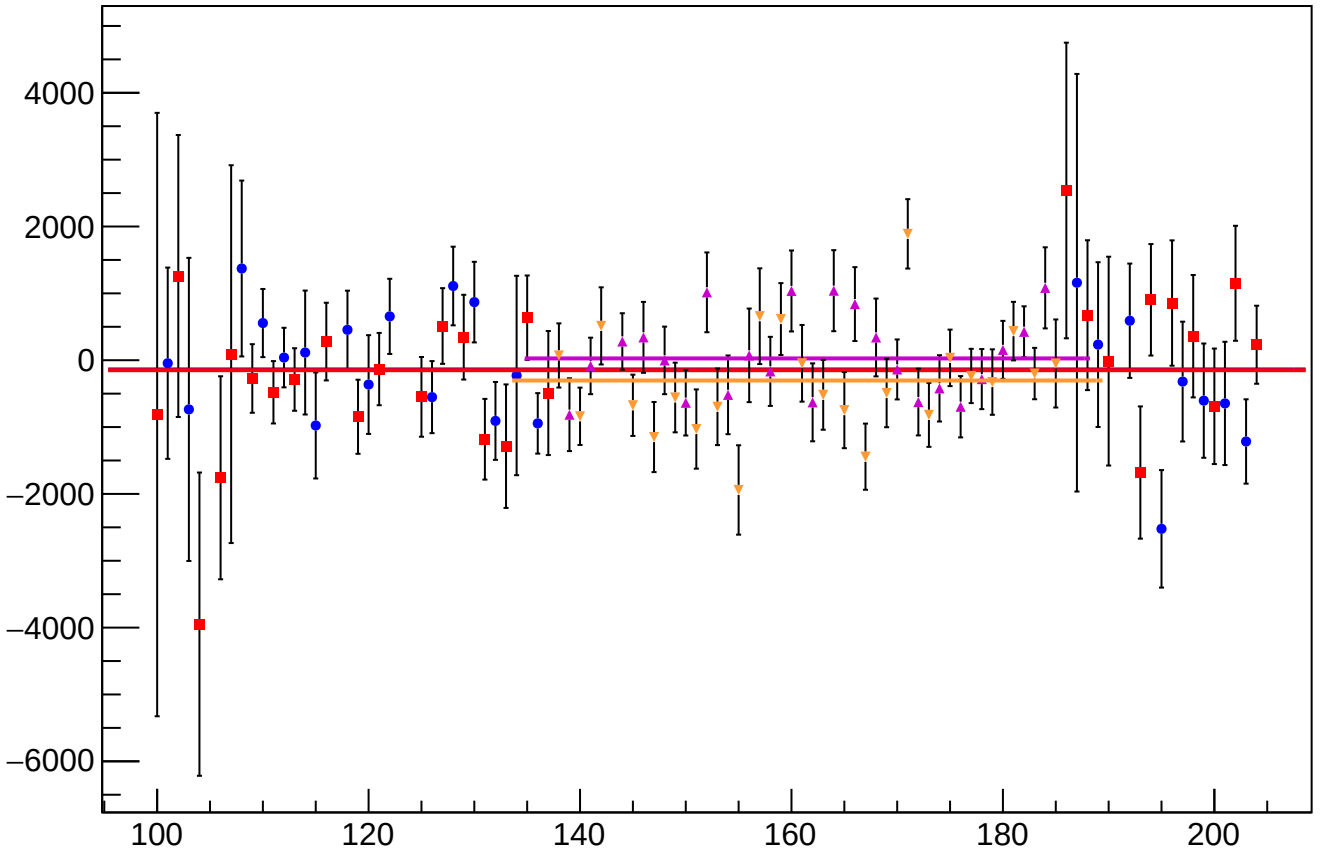
Right Out: 1131.569+/-0.209 χ^2/NDF: 235378.6/27

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1108.558+/-0.140 χ^2/NDF: 672915.9/47

All: 1110.920+/-0.098 χ^2/NDF: 967172.1/98

- sign 1113.194+/-0.137 χ^2/NDF: 293695.9/50



Right In: -138.641+/-144.482 χ^2/NDF: 32.4/23

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

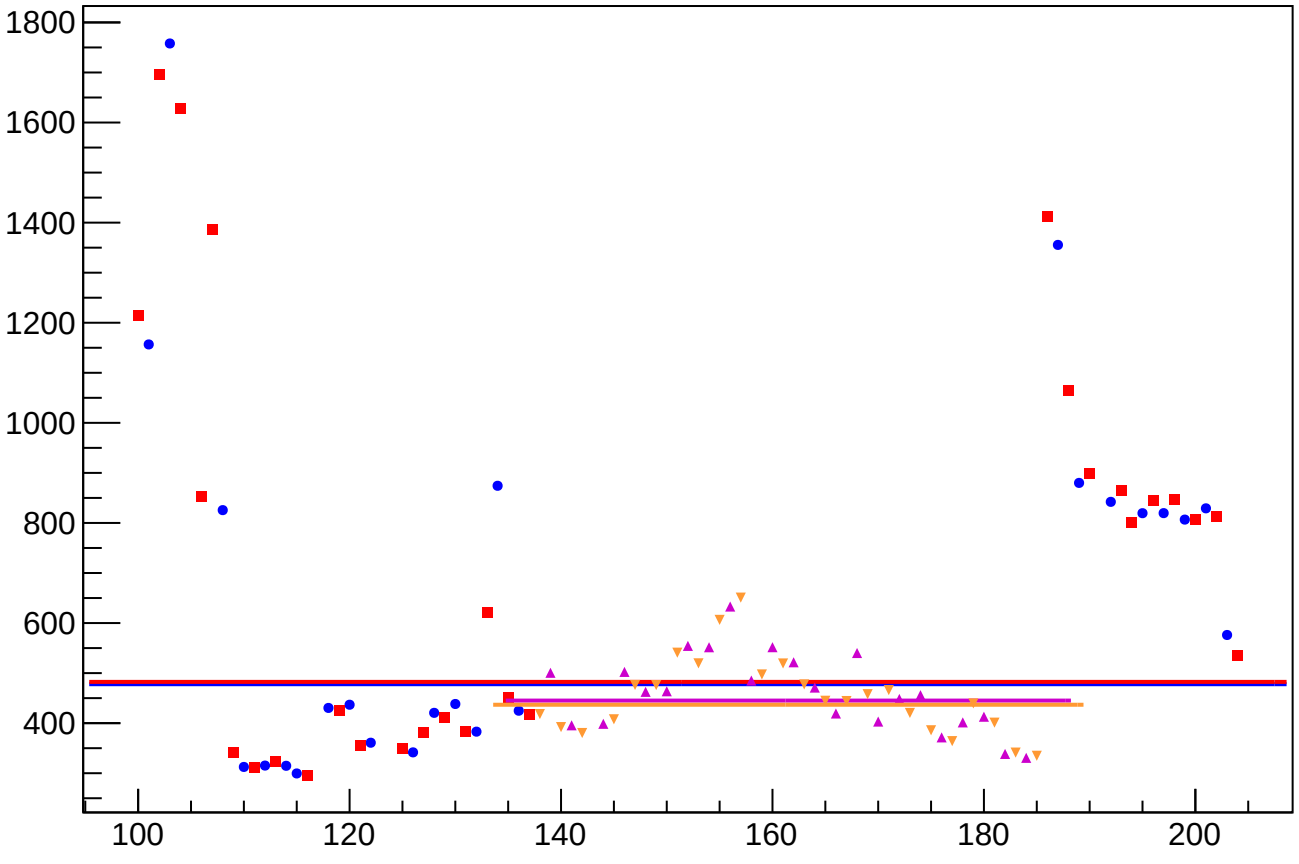
Right Out: -149.301+/-139.386 χ^2/NDF: 26.3/27

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -247.776+/-83.859 χ^2/NDF: 82.8/47

All: -142.825+/-59.375 χ^2/NDF: 141.1/98

- sign -37.317+/-84.081 χ^2/NDF: 55.2/50



Right In: 477.829+/-0.102 χ^2/NDF: 4312282.5/23

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 482.476+/-0.099 χ^2/NDF: 5674732.2/27

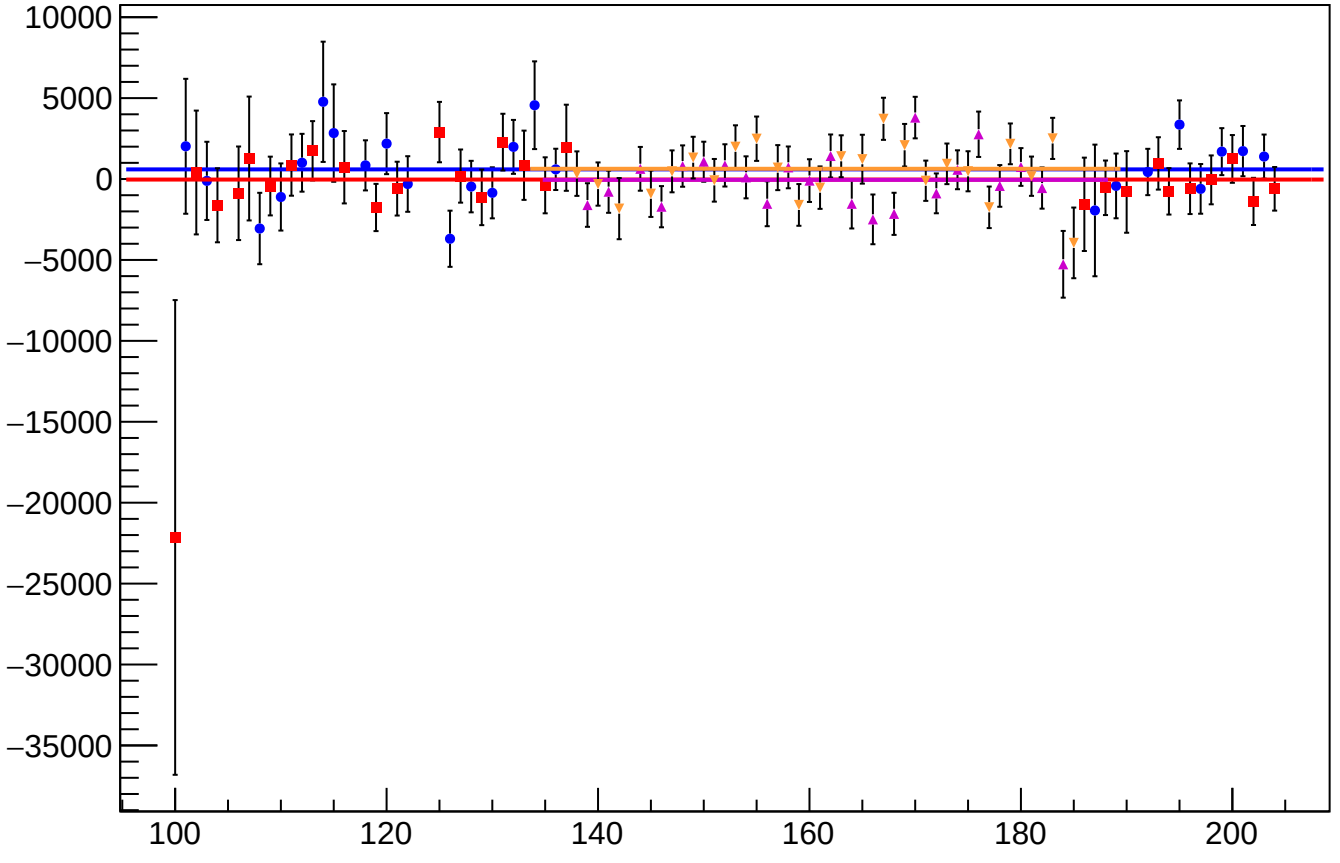
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 450.613+/-0.059 χ^2/NDF: 5274538.0/47

All: 454.648+/-0.042 χ^2/NDF: 11924566.9/98

- sign 458.706+/-0.059 χ^2/NDF: 6640740.0/50

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 596.032+/-364.255 χ^2/NDF: 22.9/23

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -32.633+/-349.096 χ^2/NDF: 14.2/27

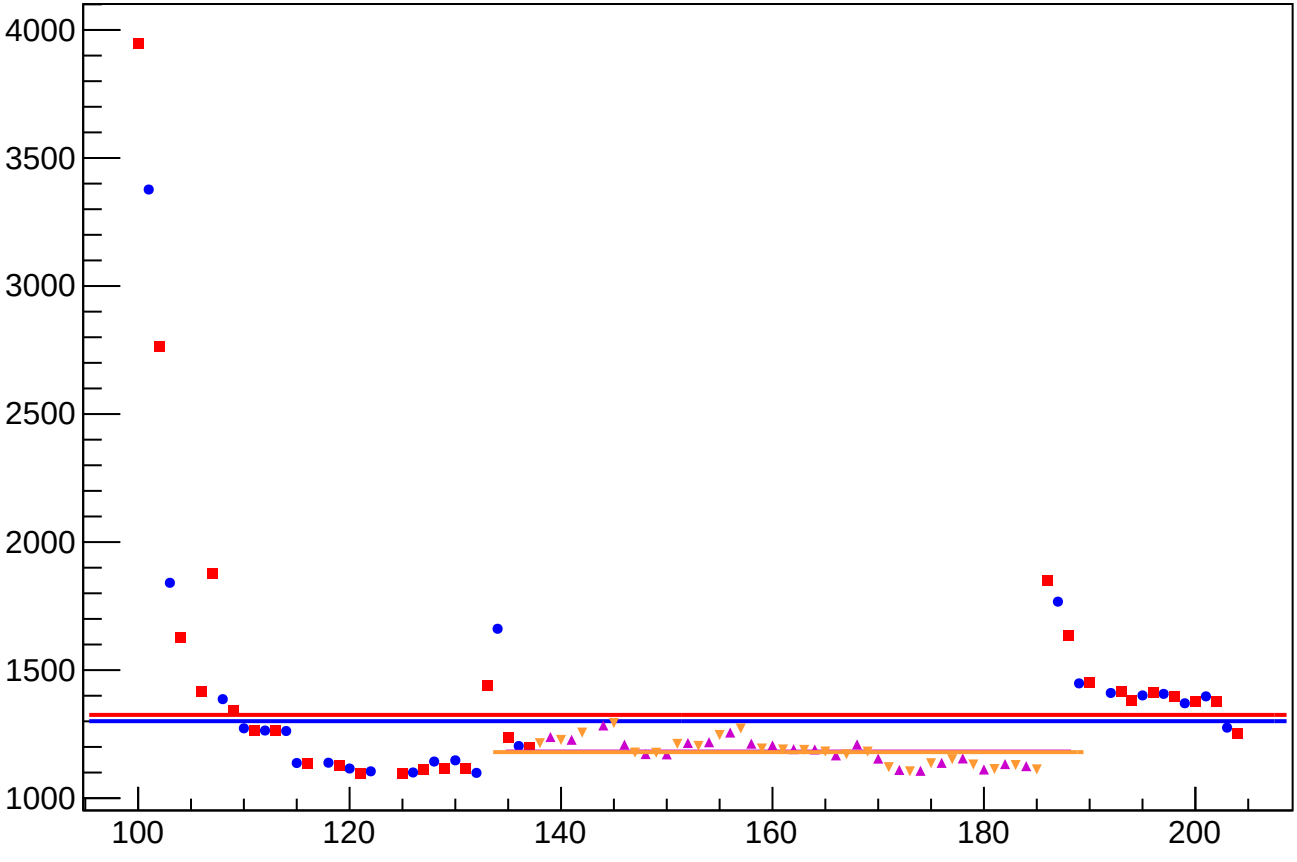
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 619.557+/-218.997 χ^2/NDF: 53.0/47

All: 284.230+/-154.003 χ^2/NDF: 106.9/98

- sign -43.827+/-216.610 χ^2/NDF: 49.2/50

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1300.628+/-0.258 χ^2/NDF: 896007.8/23

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

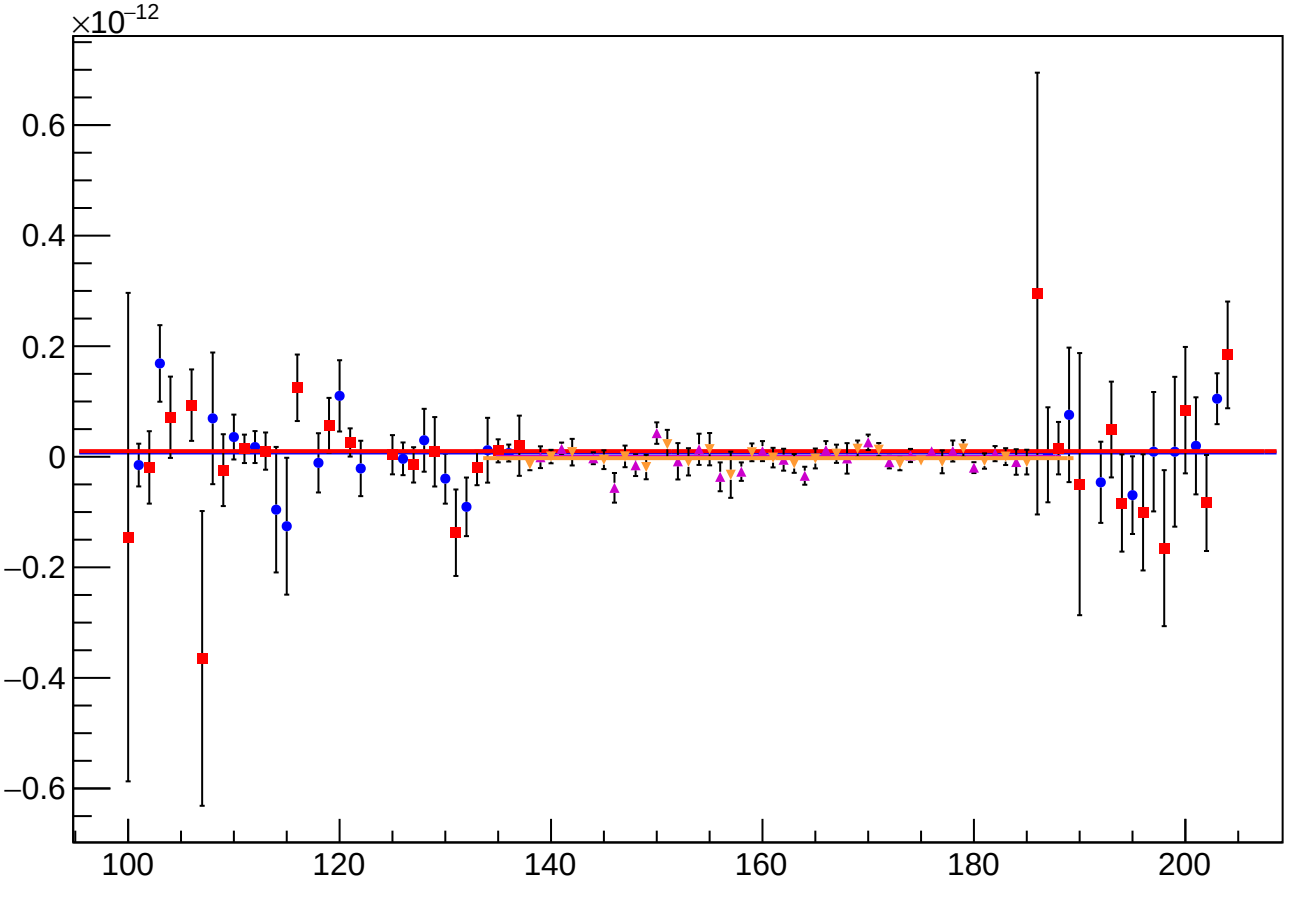
Right Out: 1325.137+/-0.247 χ^2/NDF: 826991.6/27

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

\+ sign 1223.420+/-0.155 χ^2/NDF: 1101397.4/47

All: 1230.317+/-0.109 χ^2/NDF: 2199658.1/98

\- sign 1237.065+/-0.153 χ^2/NDF: 1094335.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

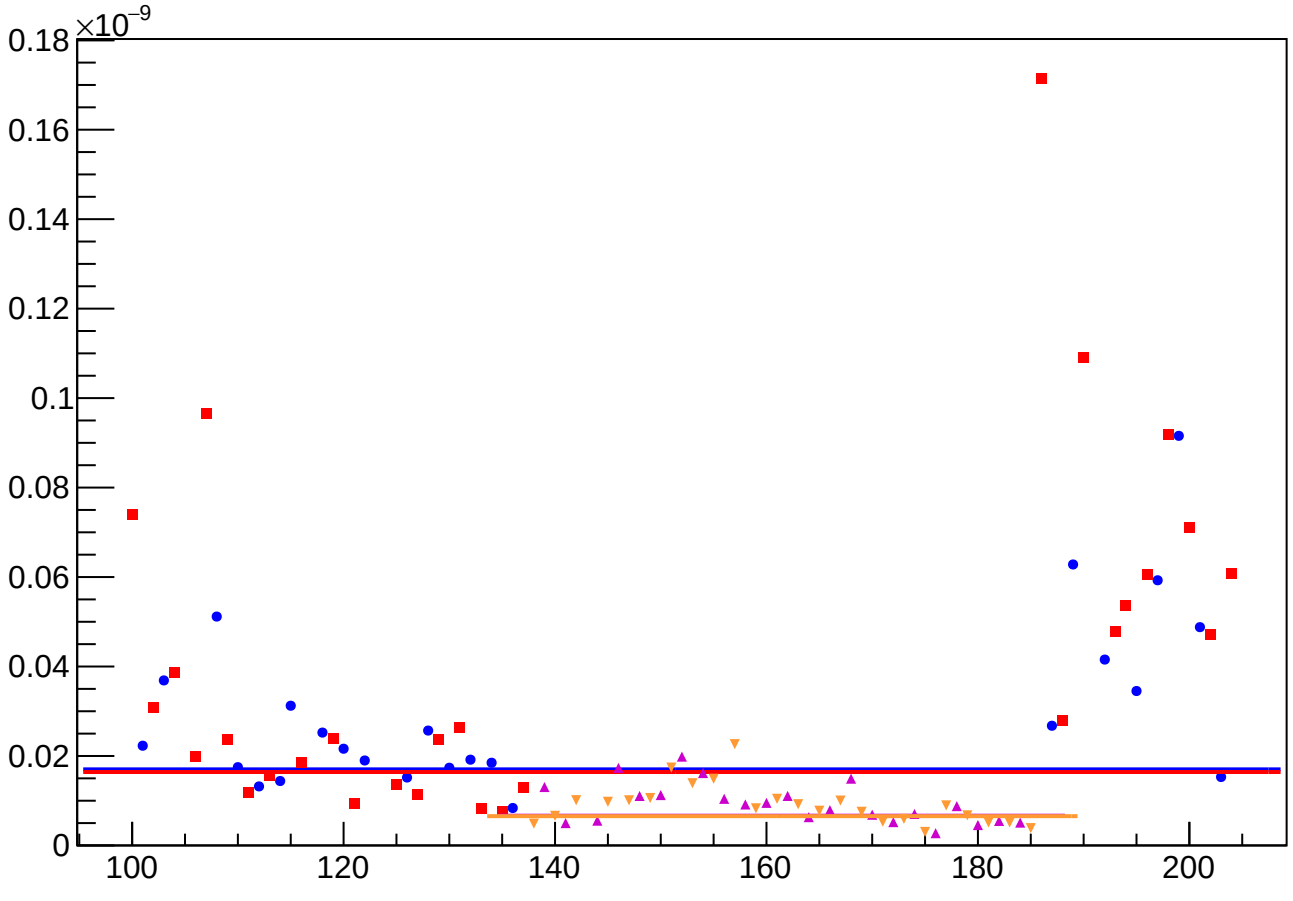
Right Out: 0.000+/-0.000 χ^2/NDF: 24.5/27

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.6/47

All: -0.000+/-0.000 χ^2/NDF: 93.1/98

- sign 0.000+/-0.000 χ^2/NDF: 58.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 3018129.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

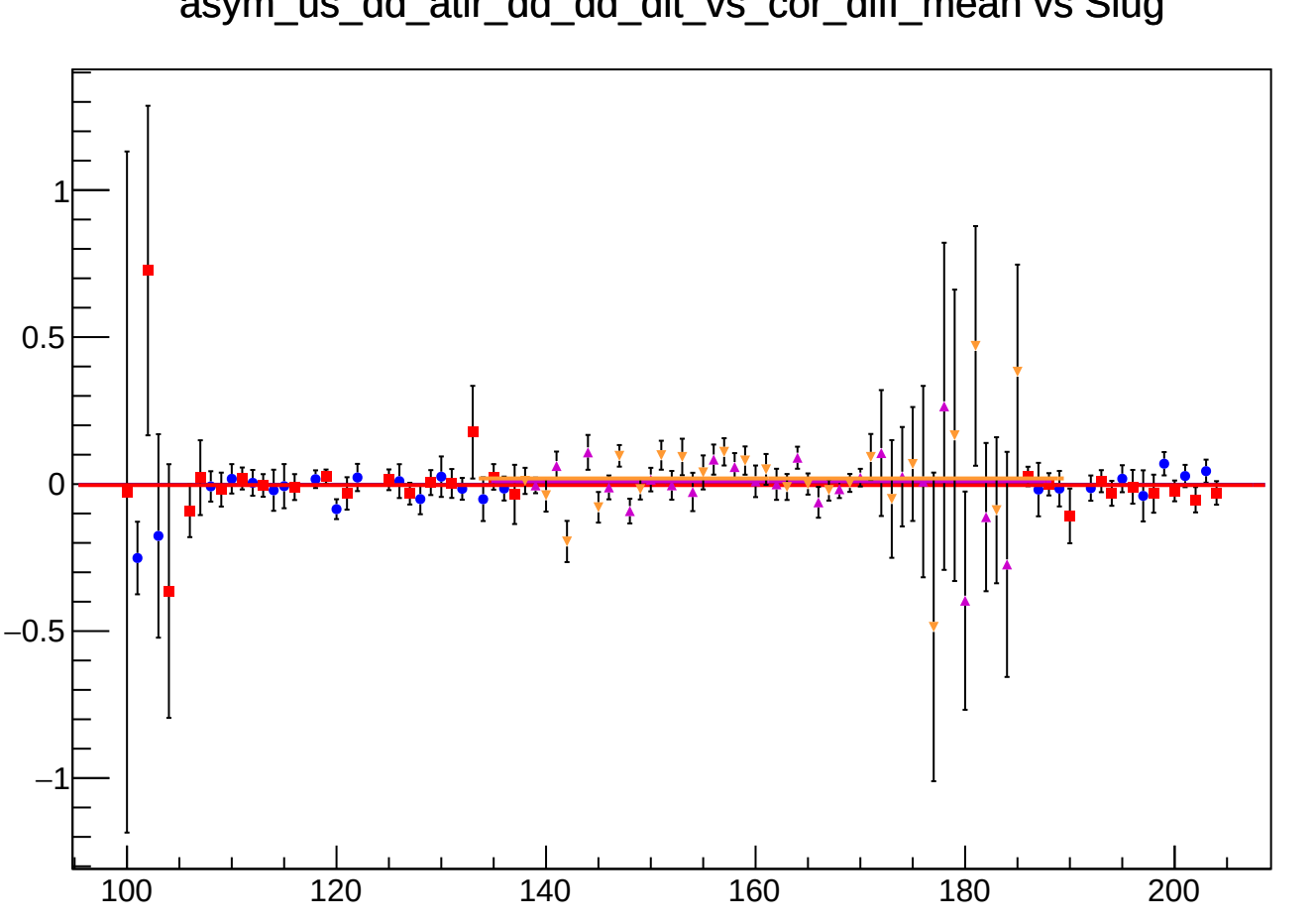
Right Out: 0.000+/-0.000 χ^2/NDF: 4832622.0/27

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7730831.8/47

All: 0.000+/-0.000 χ^2/NDF: 17253842.7/98

- sign 0.000+/-0.000 χ^2/NDF: 9521809.8/50



Right In: -0.002+/-0.010 χ^2/NDF: 18.9/23

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

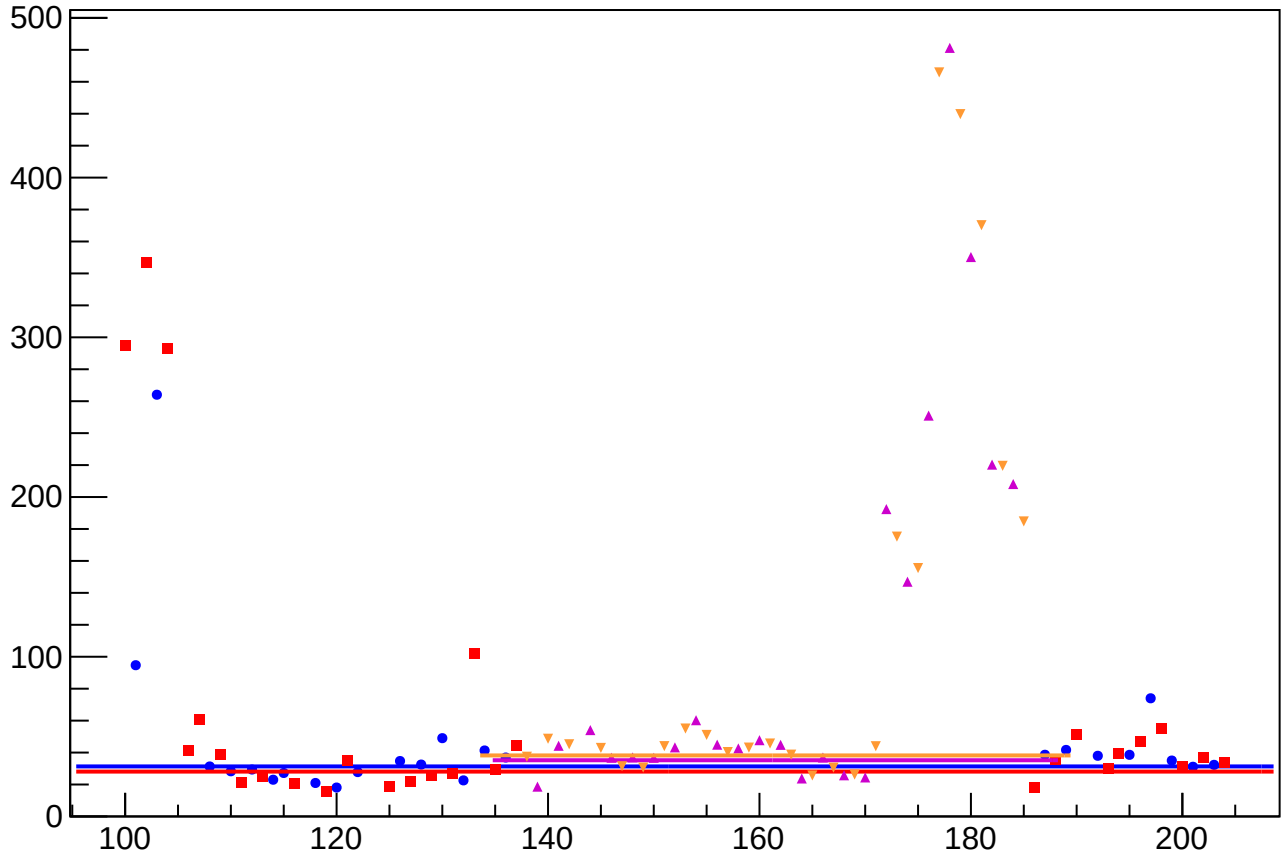
Right Out: -0.003+/-0.009 χ^2/NDF: 13.2/27

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.008+/-0.007 χ^2/NDF: 57.0/47

All: 0.005+/-0.005 χ^2/NDF: 95.1/98

- sign 0.002+/-0.007 χ^2/NDF: 37.8/50



Right In: 31.326+/-0.007 χ^2/NDF: 3027561.2/23

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

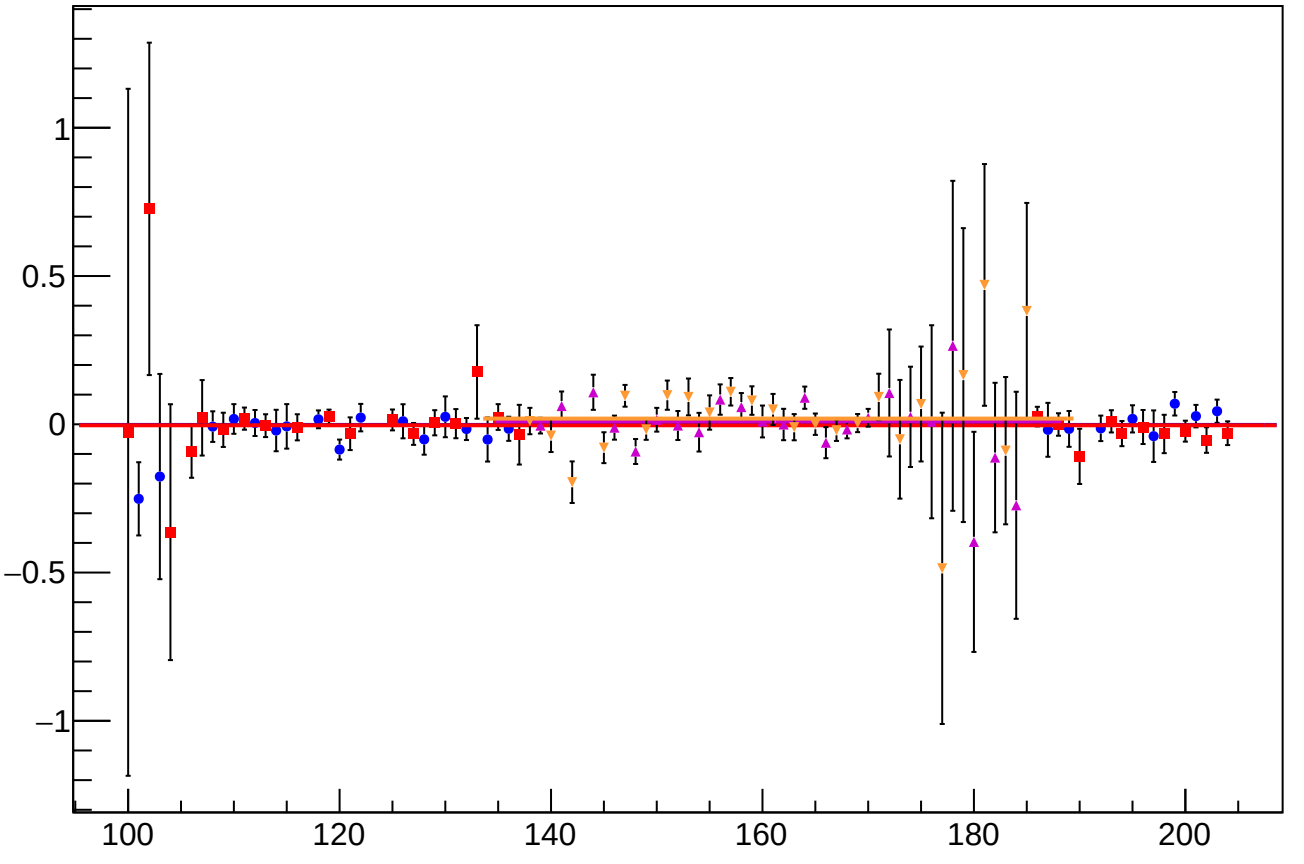
Right Out: 28.094+/-0.006 χ^2/NDF: 4380986.1/27

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

\+ sign 34.480+/-0.005 χ^2/NDF: 11752405.5/47

All: 32.614+/-0.003 χ^2/NDF: 26317844.7/98

\- sign 31.073+/-0.005 χ^2/NDF: 14327756.4/50



Right In: -0.002+/-0.010 χ^2/NDF: 18.9/23

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

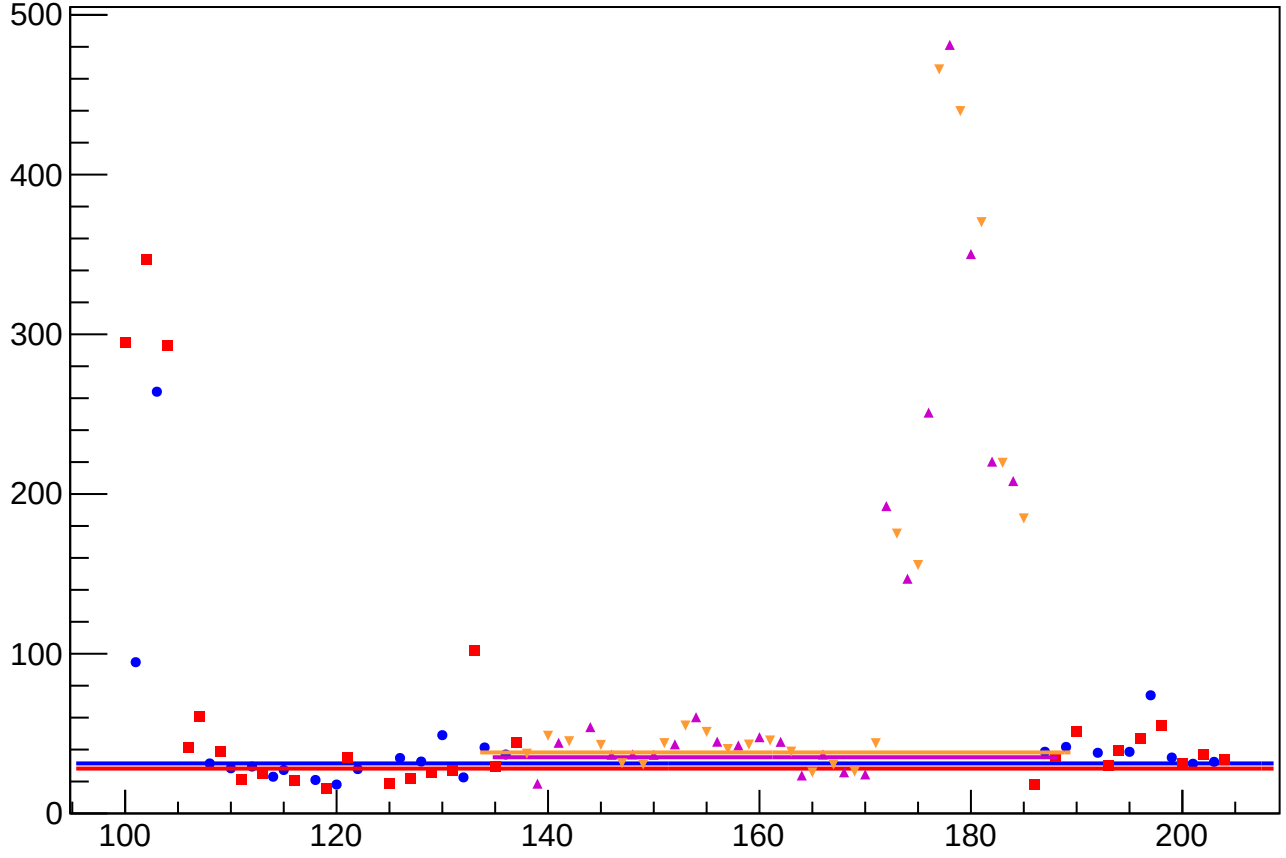
Right Out: -0.003+/-0.009 χ^2/NDF: 13.2/27

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.008+/-0.007 χ^2/NDF: 57.0/47

All: 0.005+/-0.005 χ^2/NDF: 95.1/98

- sign 0.002+/-0.007 χ^2/NDF: 37.8/50



Right In: 31.326+/-0.007 χ^2/NDF: 3027561.2/23

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

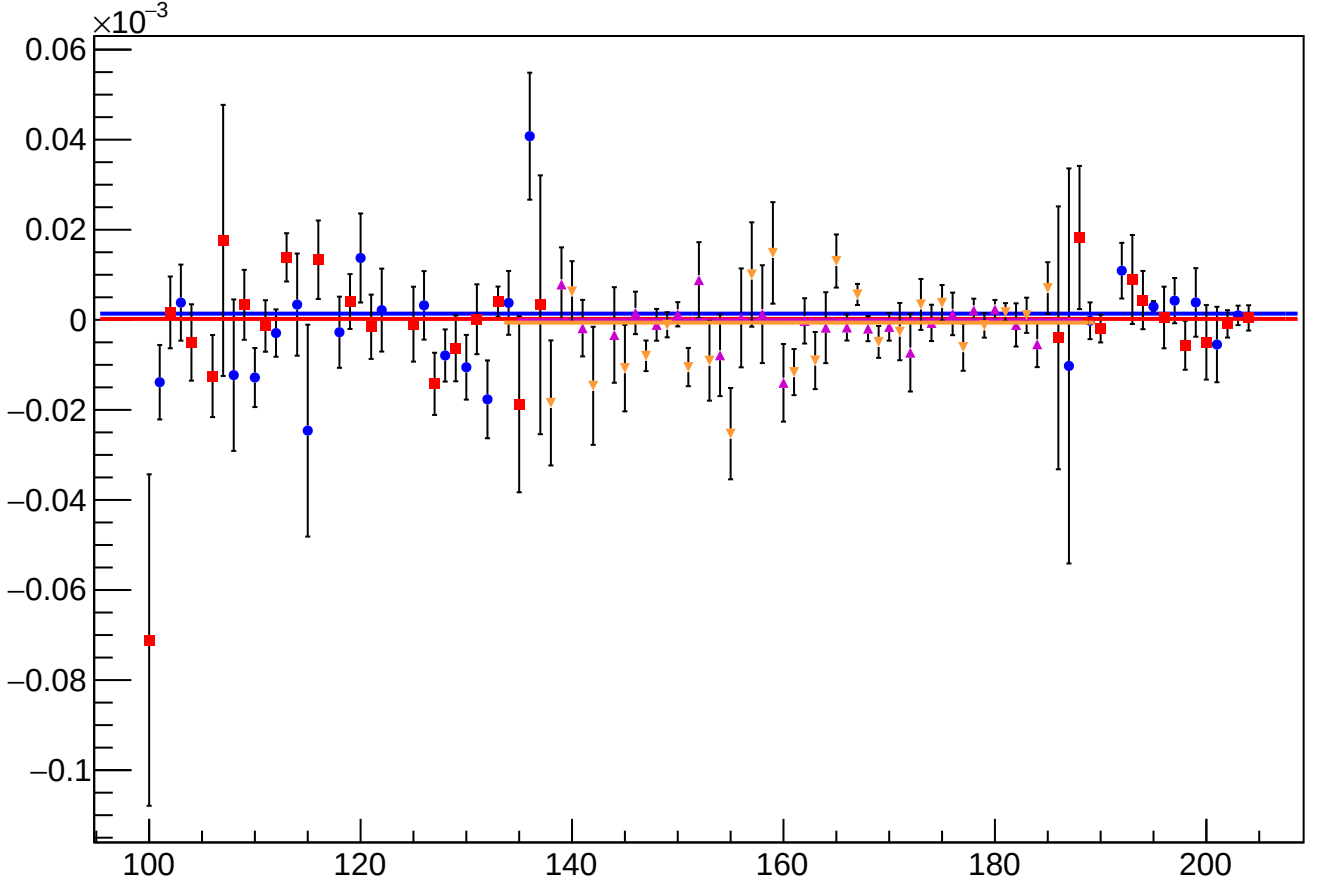
Right Out: 28.094+/-0.006 χ^2/NDF: 4380986.1/27

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.480+/-0.005 χ^2/NDF: 11752405.5/47

All: 32.614+/-0.003 χ^2/NDF: 26317844.7/98

- sign 31.073+/-0.005 χ^2/NDF: 14327756.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 36.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

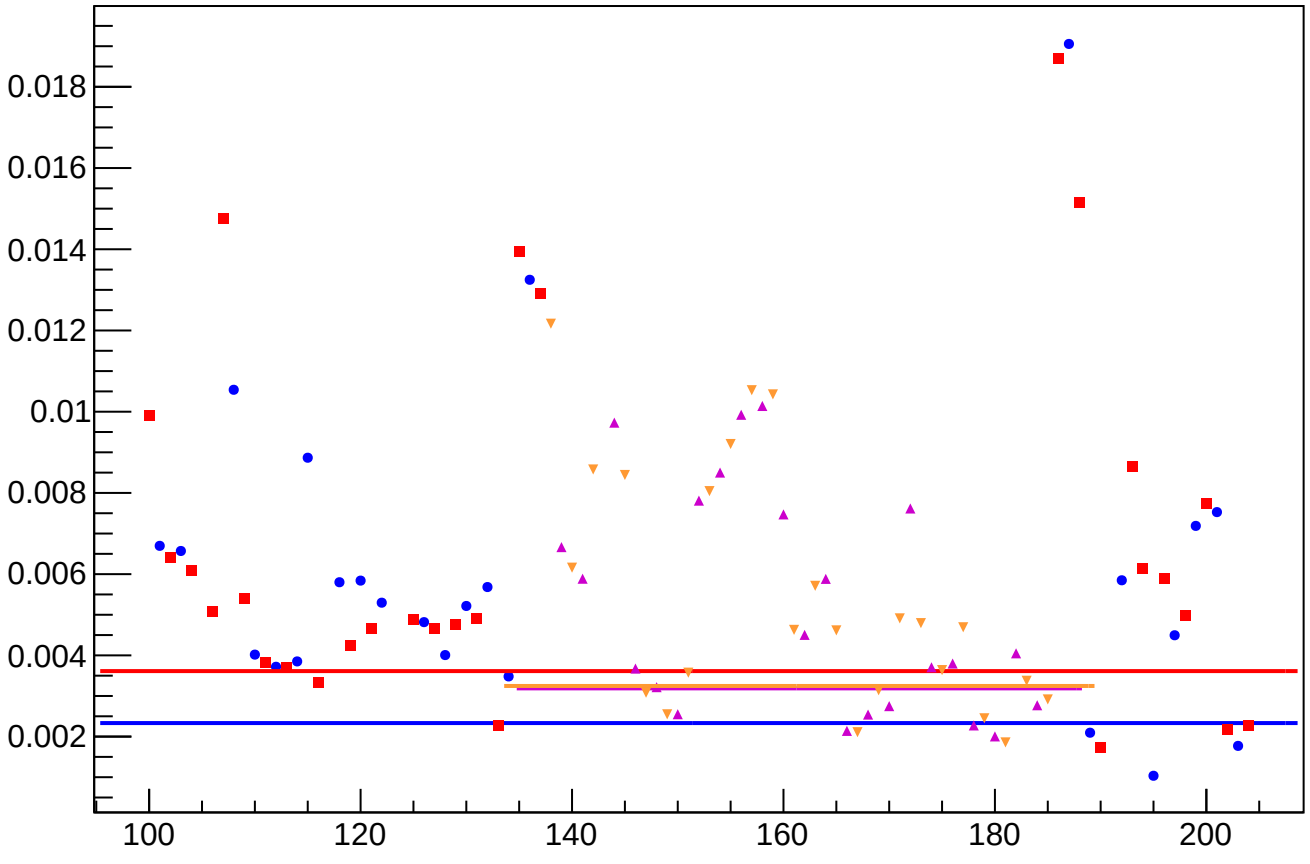
Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/27

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.9/47

All: 0.000+/-0.000 χ^2/NDF: 129.0/98

- sign 0.000+/-0.000 χ^2/NDF: 39.0/50



Right In: 0.002+/-0.000 χ^2/NDF: 10392944.2/23

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 7157309.2/27

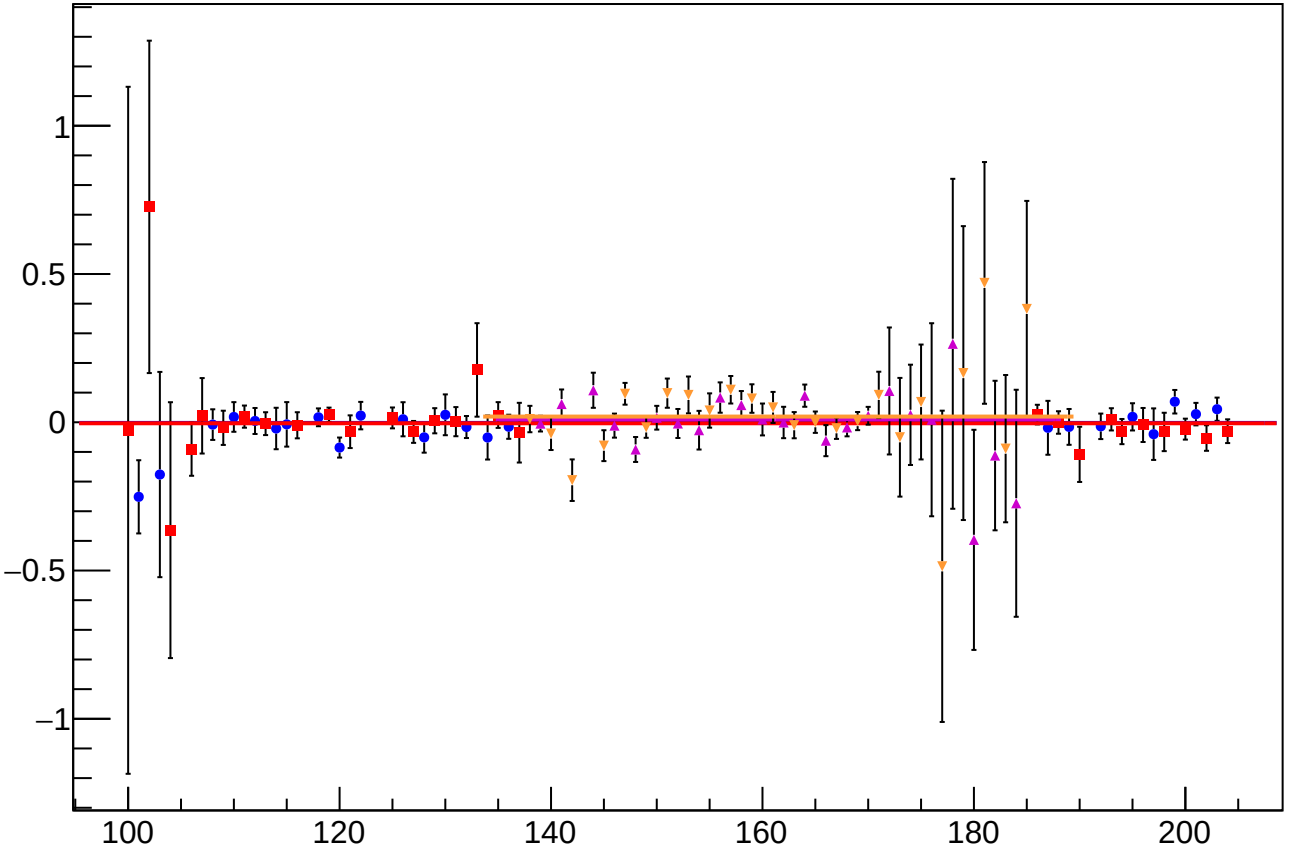
Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 19224183.3/47

All: 0.003+/-0.000 χ^2/NDF: 34571935.2/98

- sign 0.003+/-0.000 χ^2/NDF: 14640465.7/50

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.010 χ^2/NDF: 18.9/23

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.003+/-0.009 χ^2/NDF: 13.2/27

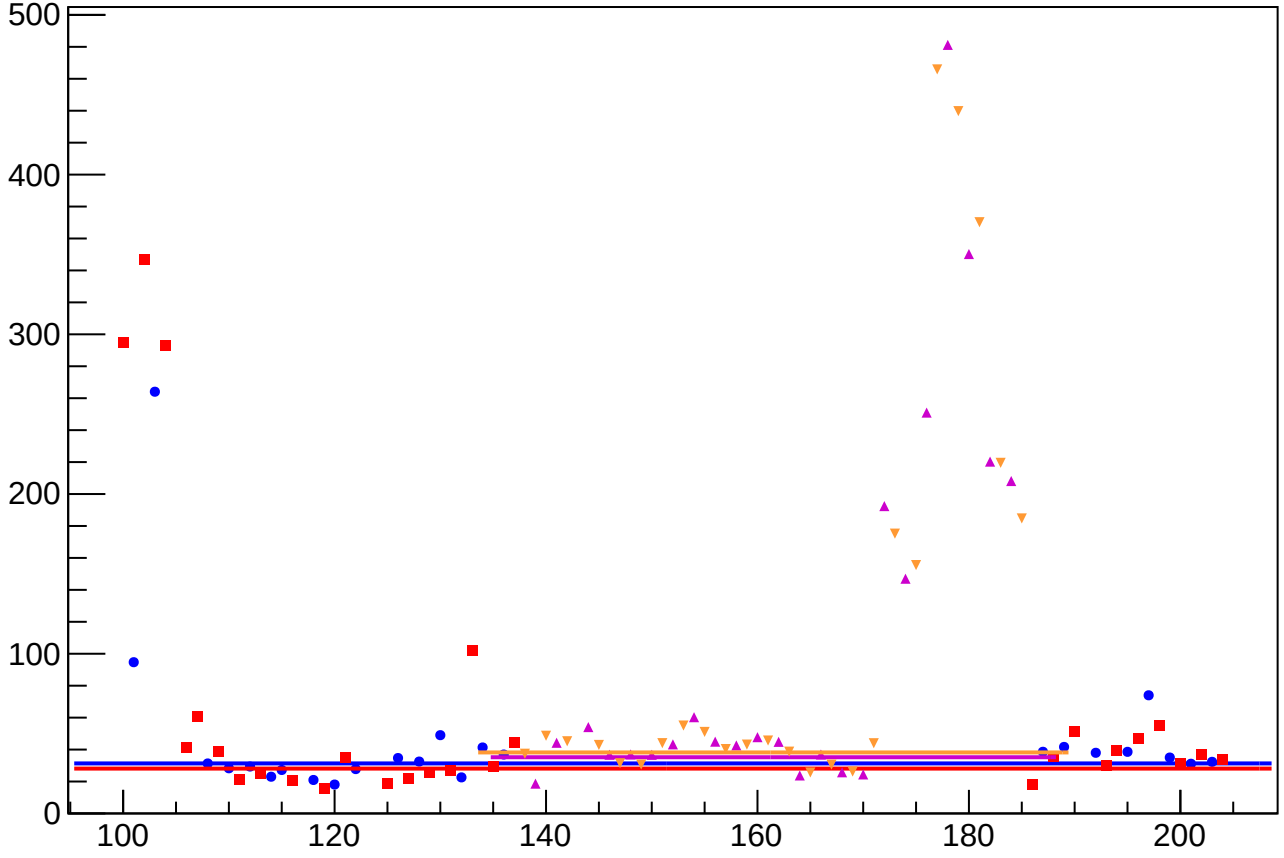
Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.008+/-0.007 χ^2/NDF: 57.0/47

All: 0.005+/-0.005 χ^2/NDF: 95.1/98

- sign 0.002+/-0.007 χ^2/NDF: 37.9/50

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 31.326+/-0.007 χ^2/NDF: 3027592.9/23

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 28.092+/-0.006 χ^2/NDF: 4381407.0/27

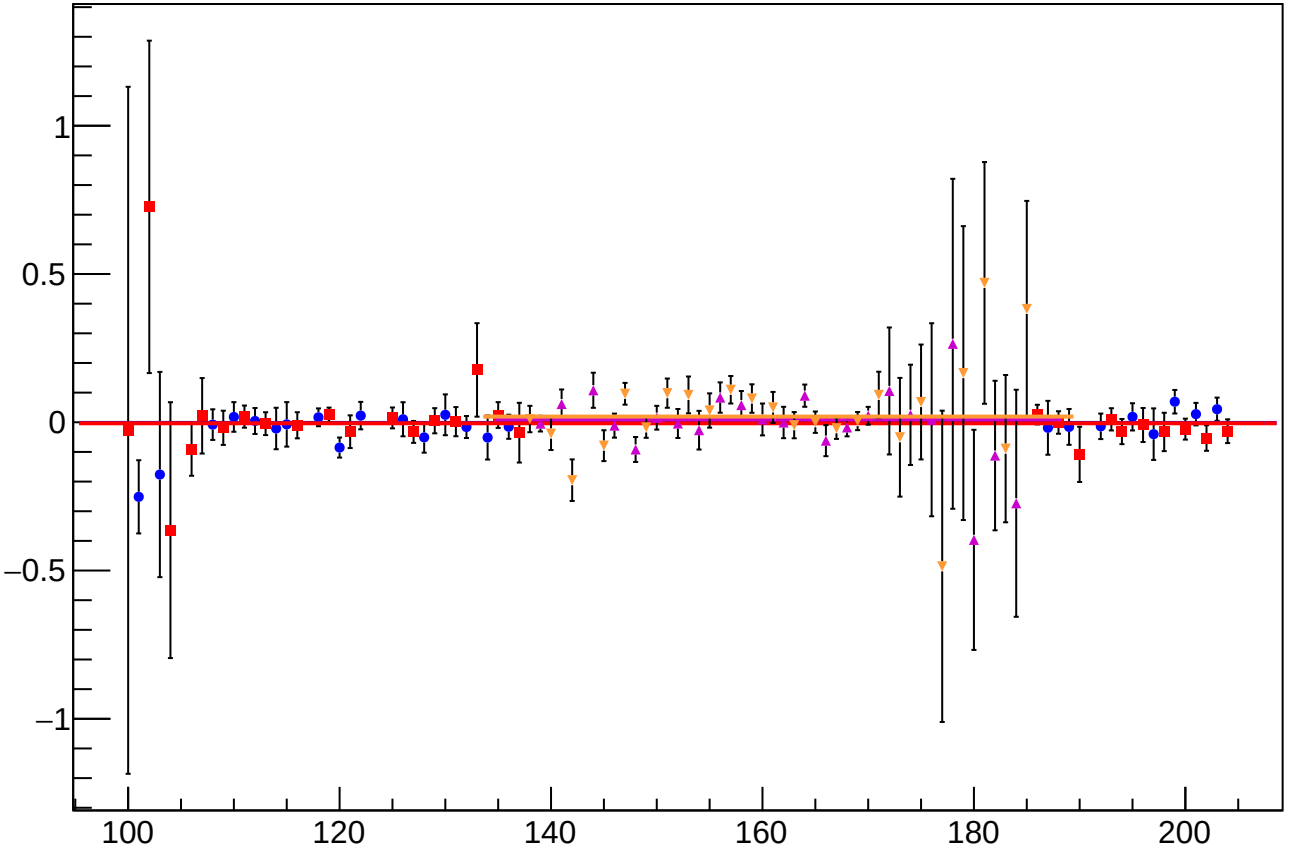
Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.480+/-0.005 χ^2/NDF: 11752579.1/47

All: 32.613+/-0.003 χ^2/NDF: 26319344.4/98

- sign 31.071+/-0.005 χ^2/NDF: 14328898.3/50

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.010 χ^2/NDF: 18.9/23

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

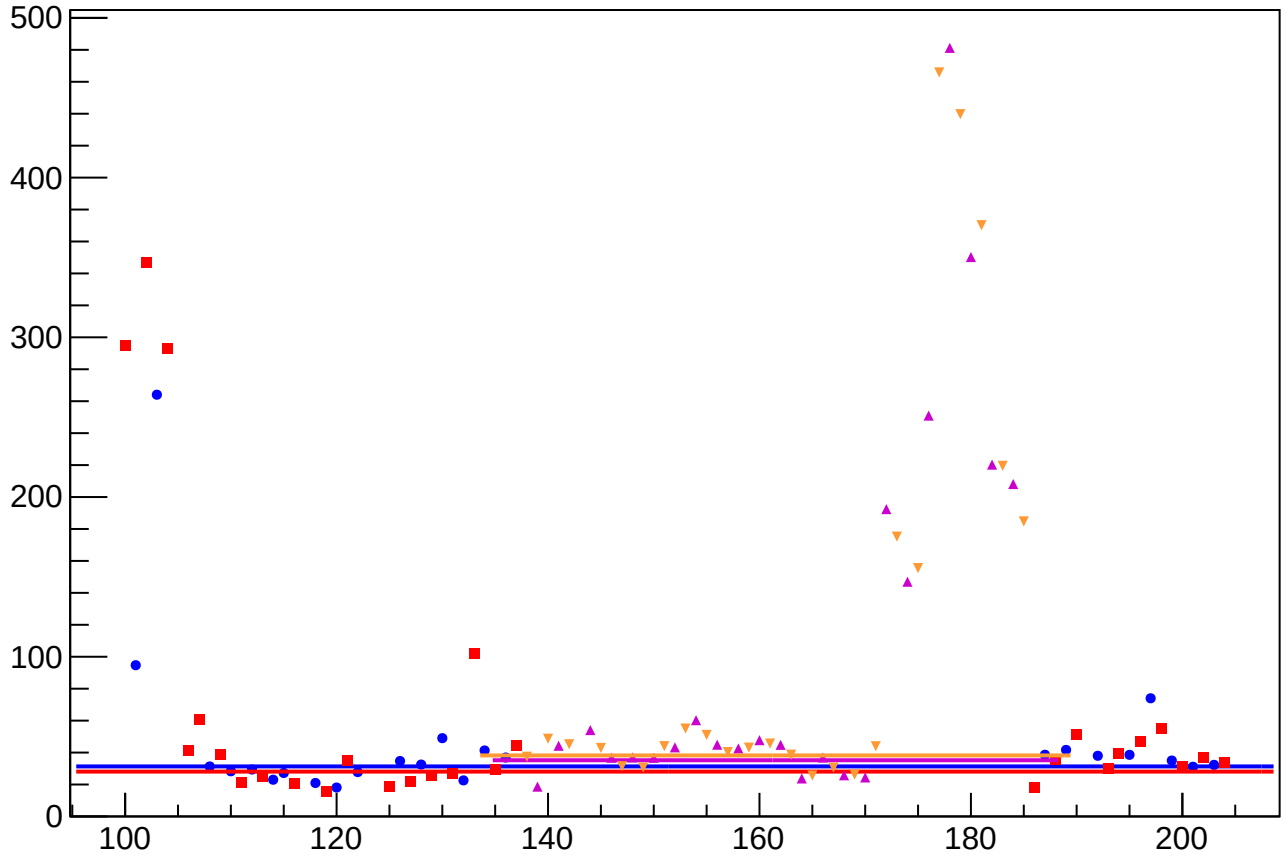
Right Out: -0.003+/-0.009 χ^2/NDF: 13.2/27

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.008+/-0.007 χ^2/NDF: 57.0/47

All: 0.005+/-0.005 χ^2/NDF: 95.1/98

- sign 0.002+/-0.007 χ^2/NDF: 37.9/50



Right In: 31.326+/-0.007 χ^2/NDF: 3027592.9/23

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

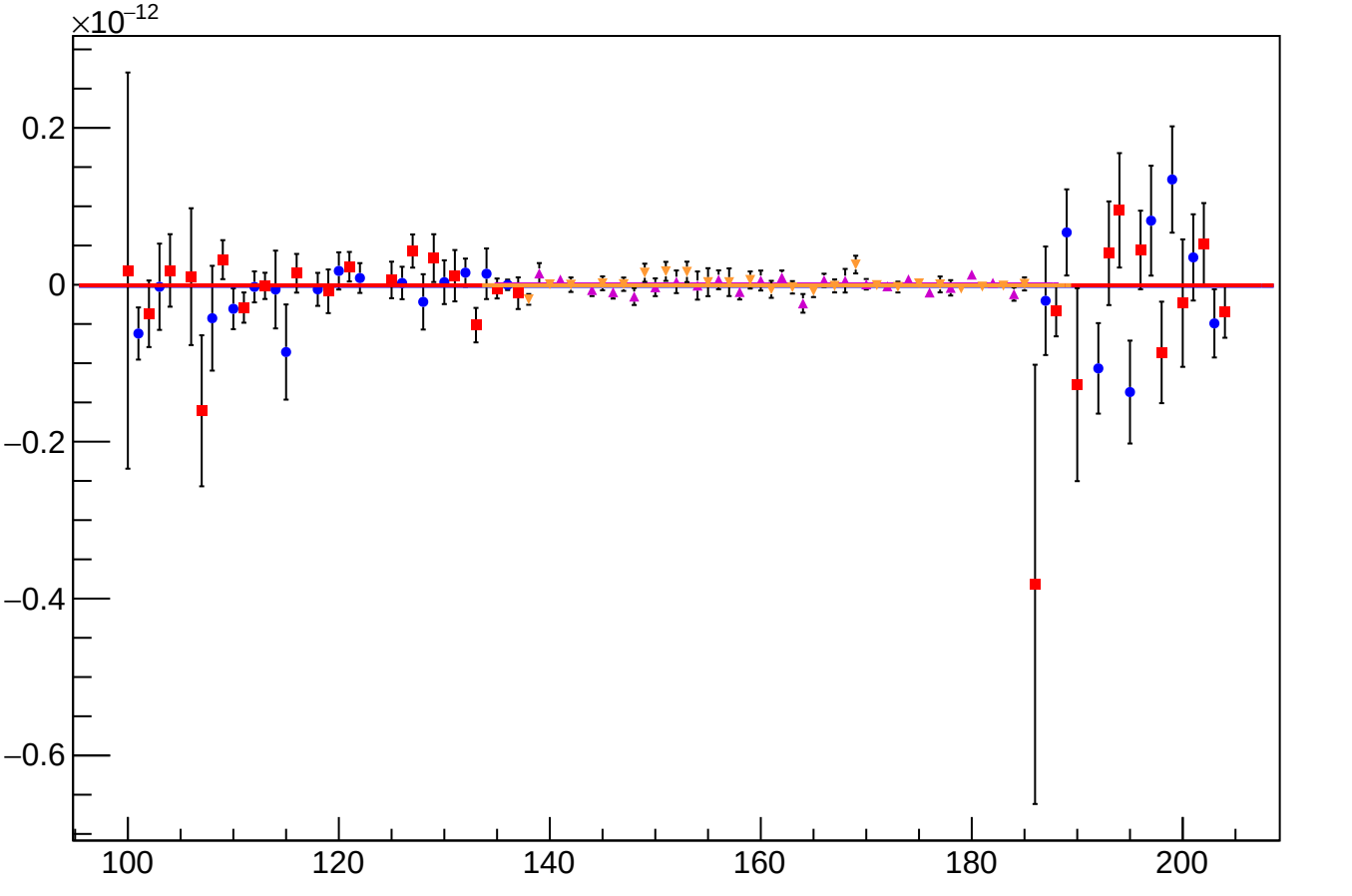
Right Out: 28.092+/-0.006 χ^2/NDF: 4381407.0/27

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

\+ sign 34.480+/-0.005 χ^2/NDF: 11752579.1/47

All: 32.613+/-0.003 χ^2/NDF: 26319344.4/98

\- sign 31.071+/-0.005 χ^2/NDF: 14328898.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/23

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

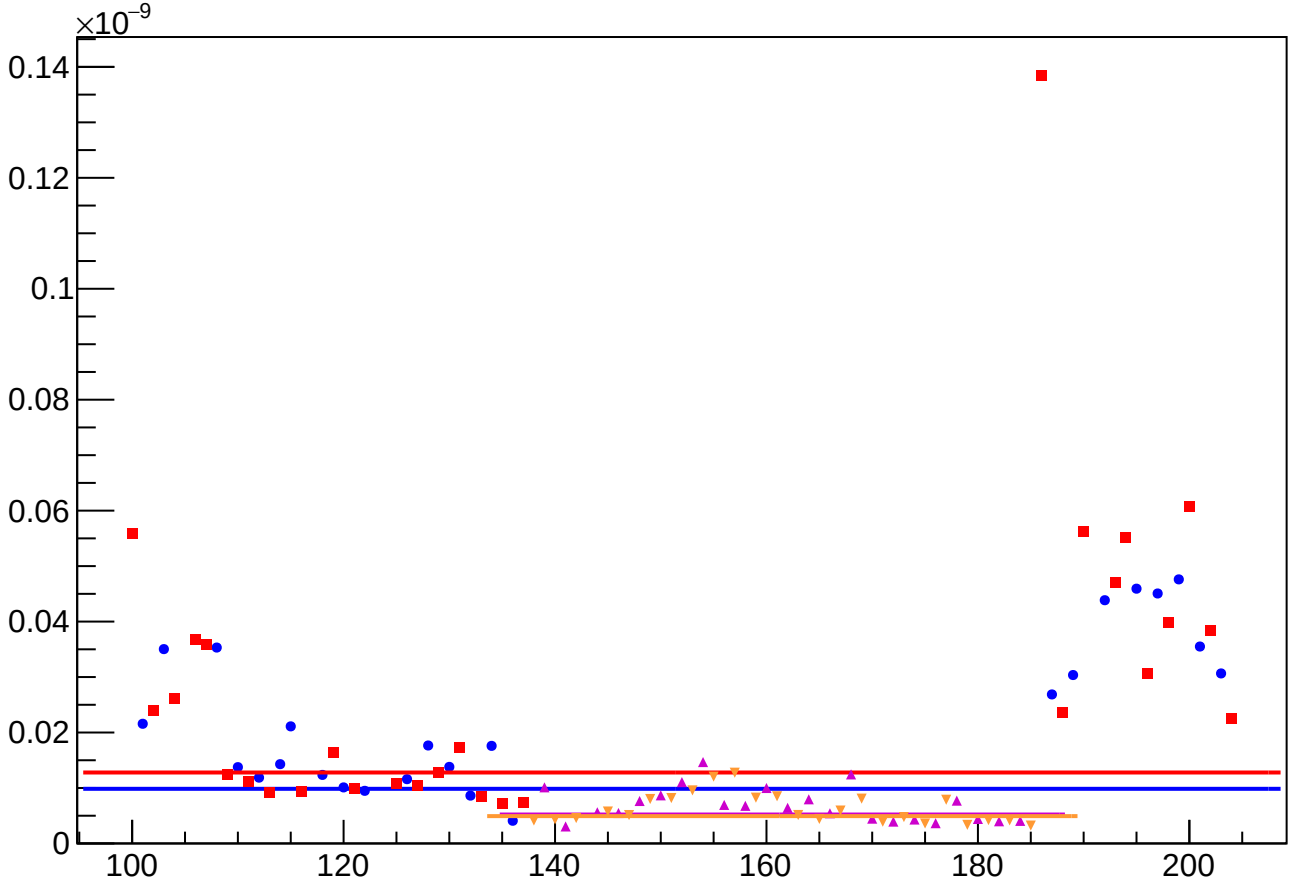
Right Out: -0.000+/-0.000 χ^2/NDF: 31.7/27

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.8/47

All: -0.000+/-0.000 χ^2/NDF: 105.2/98

- sign 0.000+/-0.000 χ^2/NDF: 58.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 6617005.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5567485.6/27

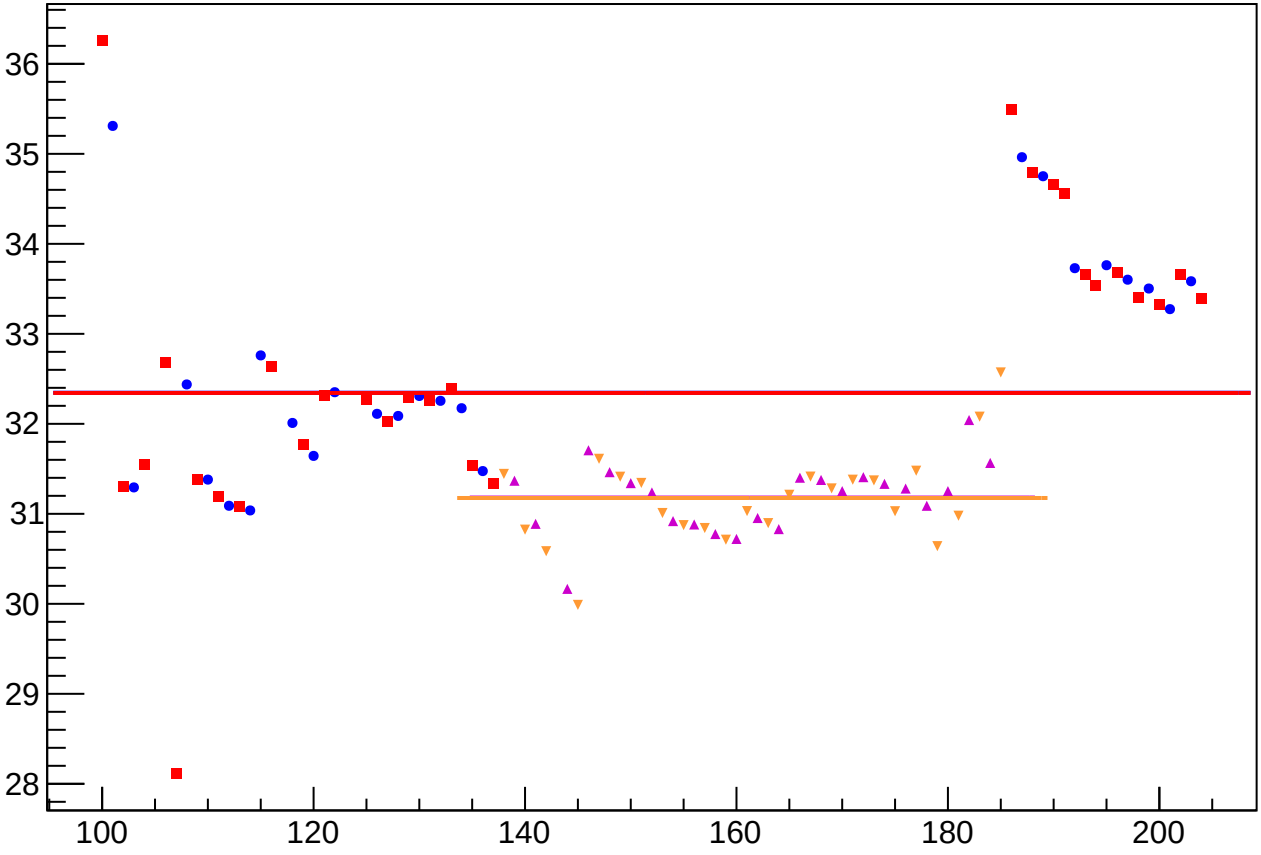
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11256329.0/47

All: 0.000+/-0.000 χ^2/NDF: 24043568.7/98

- sign 0.000+/-0.000 χ^2/NDF: 12704048.7/50

yield_usl_mean vs Slug



Right In: 32.346+/-0.000 χ^2/NDF: 1622378787.0/23

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.343+/-0.000 χ^2/NDF: 1786084091.2/28

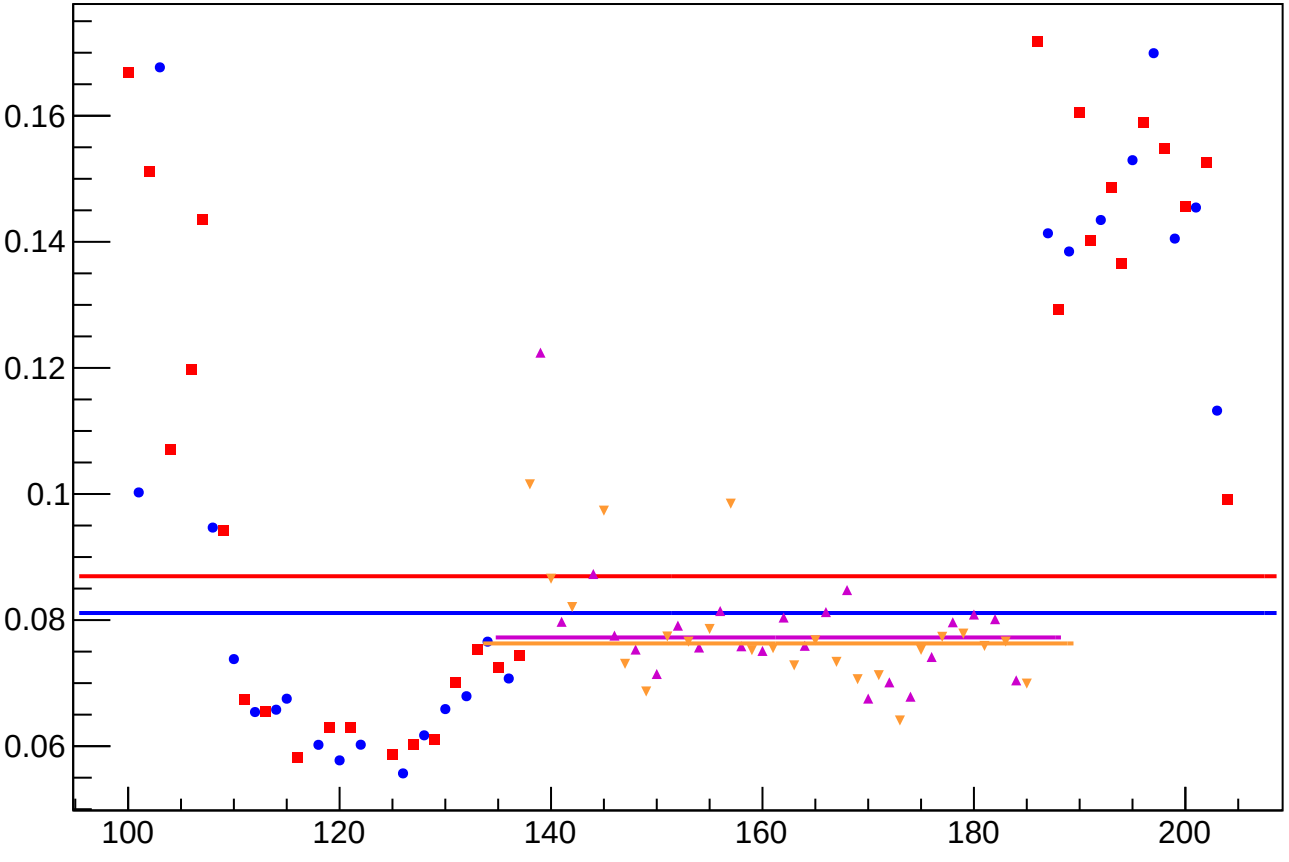
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.598+/-0.000 χ^2/NDF: 3574394766.1/47

All: 31.606+/-0.000 χ^2/NDF: 7130345414.1/9

- sign 31.613+/-0.000 χ^2/NDF: 3555431765.2/51

yield_usl_rms vs Slug



Right In: 0.081+/-0.000 χ^2/NDF: 3294039.6/23

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.087+/-0.000 χ^2/NDF: 3879054.5/28

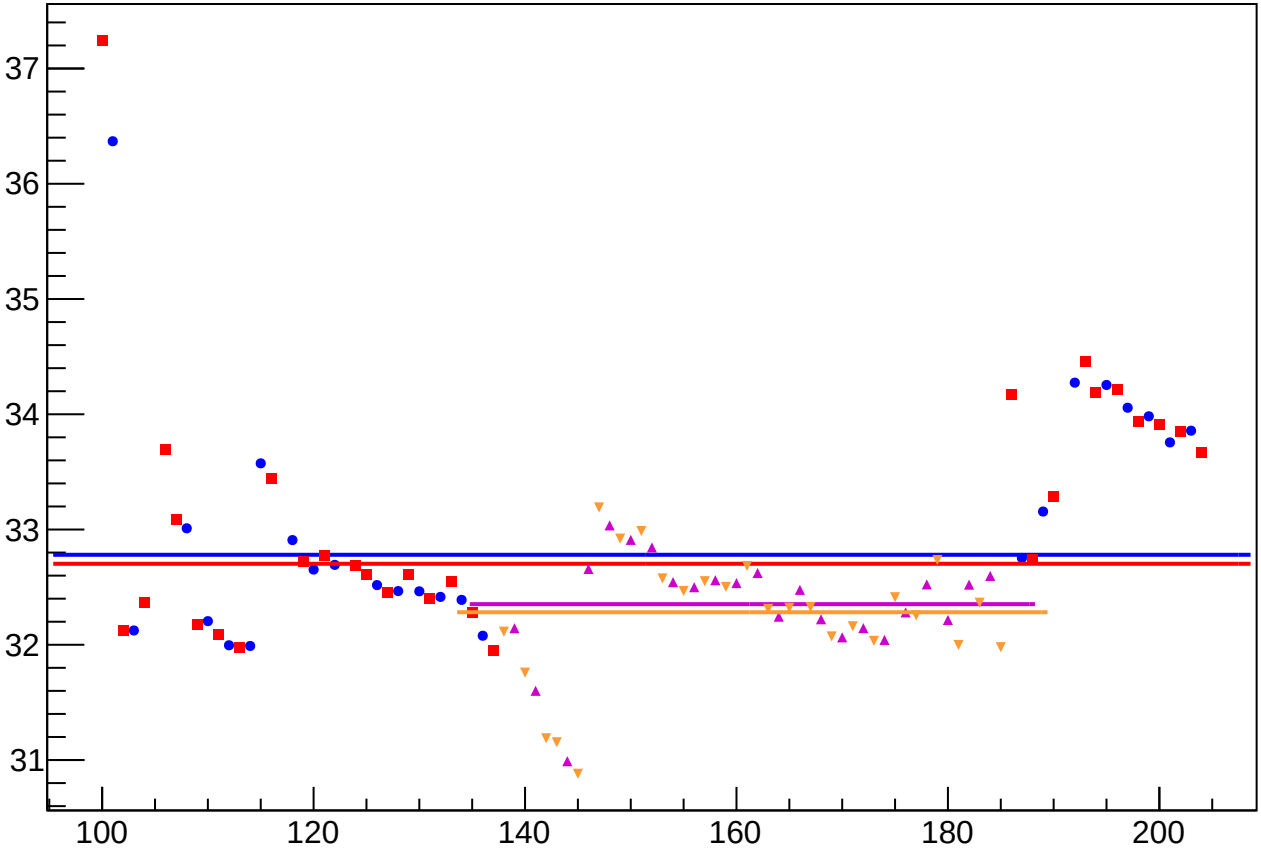
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.078+/-0.000 χ^2/NDF: 3699177.4/47

All: 0.079+/-0.000 χ^2/NDF: 8173451.5/99

- sign 0.081+/-0.000 χ^2/NDF: 4438753.3/51

yield_usr_mean vs Slug



Right In: 32.781+/-0.000 χ^2/NDF: 924065803.6/23

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.703+/-0.000 χ^2/NDF: 451113452.5/28

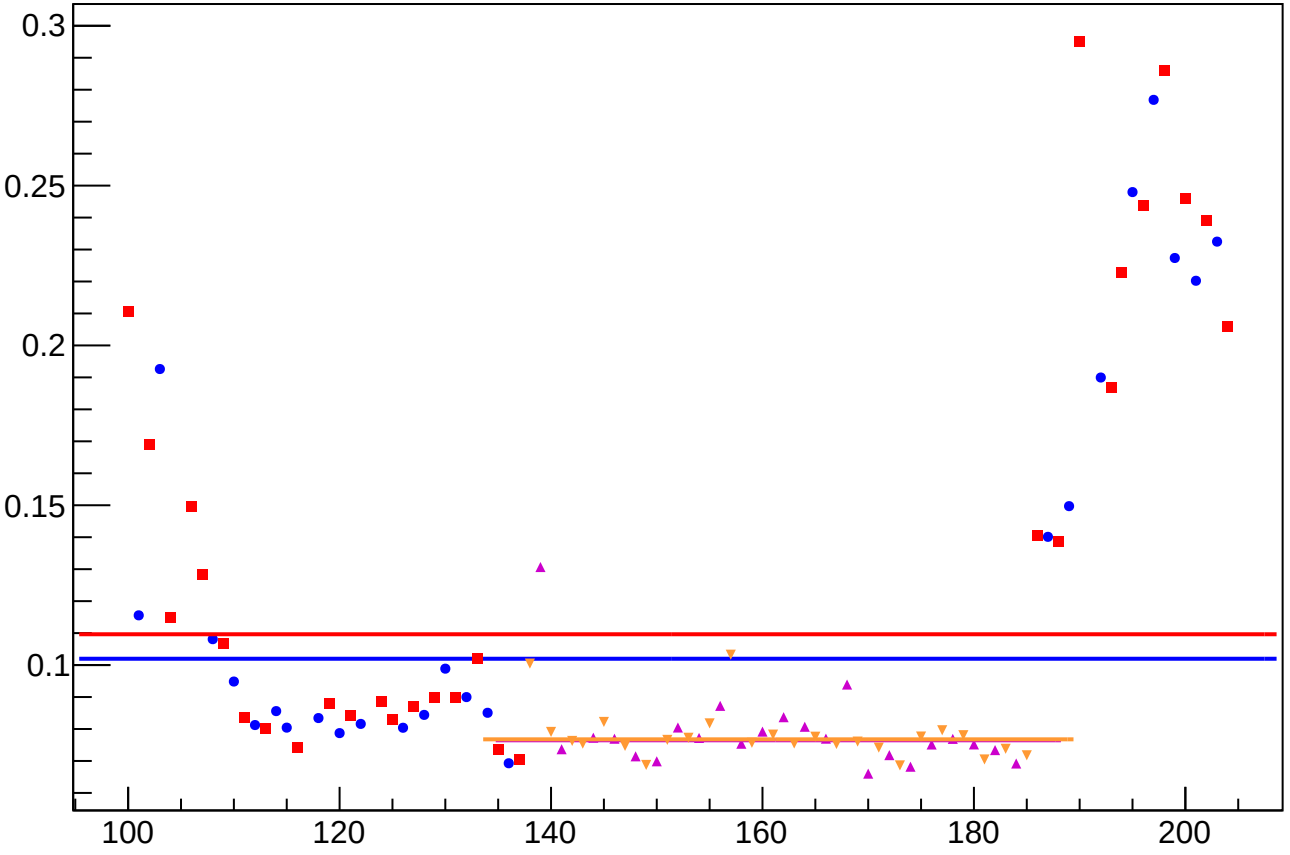
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.404+/-0.000 χ^2/NDF: 1945304632.1/48

All: 32.422+/-0.000 χ^2/NDF: 3078251692.2/1

- sign 32.441+/-0.000 χ^2/NDF: 1130302982.6/51

yield_usr_rms vs Slug



Right In: 0.102+/-0.000 χ^2/NDF: 4229617.2/23

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.110+/-0.000 χ^2/NDF: 4788640.1/28

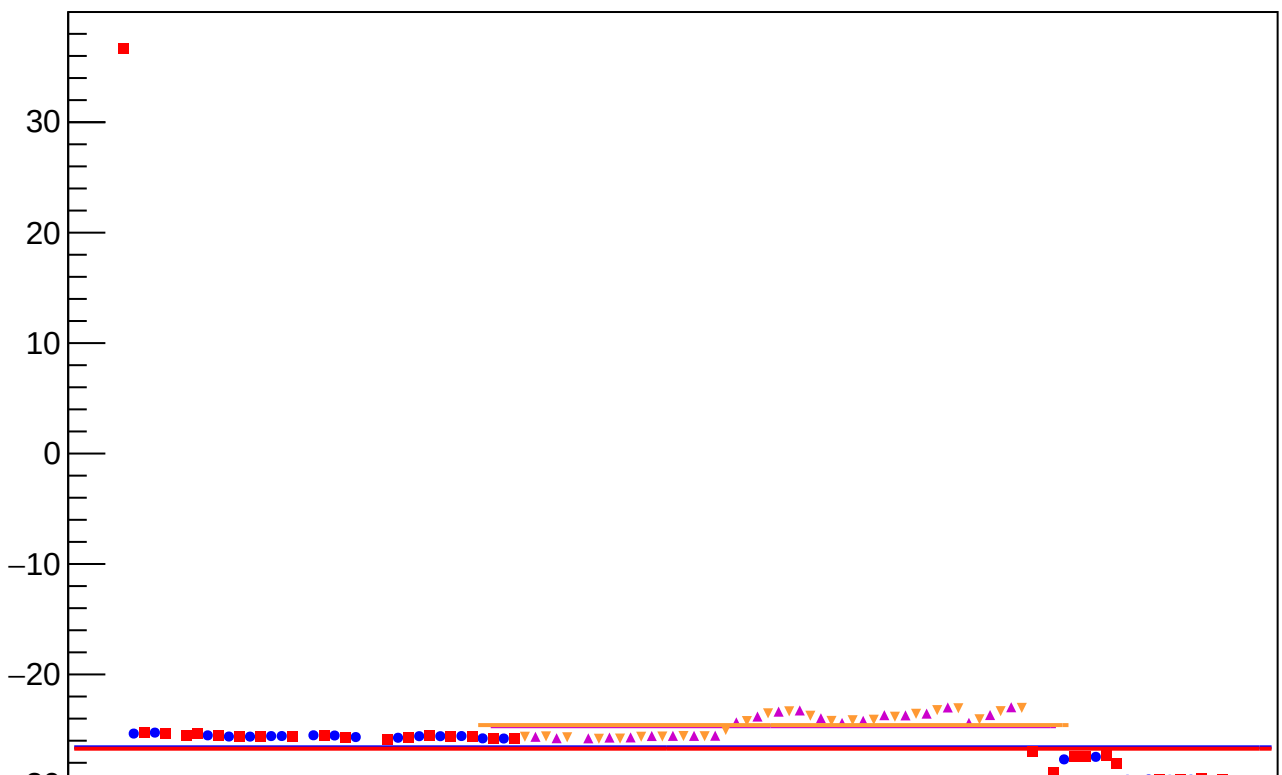
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.083+/-0.000 χ^2/NDF: 5412955.0/48

All: 0.084+/-0.000 χ^2/NDF: 12299556.0/100

- sign 0.085+/-0.000 χ^2/NDF: 6872207.7/51

yield_dsl_mean vs Slug



Right In: -26.599+/-0.000 χ^2/NDF: 15660335694.6/23

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.723+/-0.000 χ^2/NDF: 26130407599.0/28

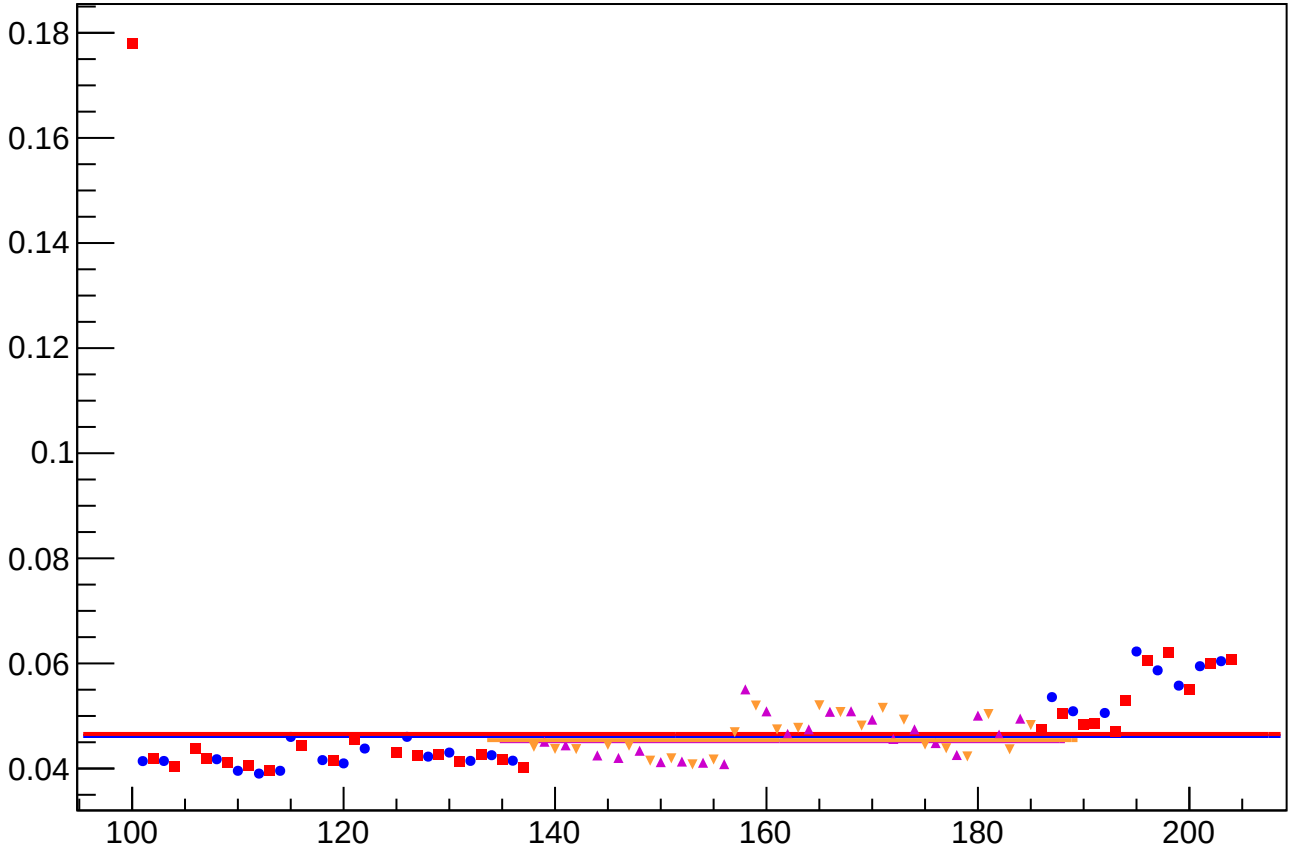
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.400+/-0.000 χ^2/NDF: 39127326796.5/47

All: -25.490+/-0.000 χ^2/NDF: 90031056804.9

- sign -25.576+/-0.000 χ^2/NDF: 50672885734.7/51

yield_dsl_rms vs Slug



Right In: 0.046+/-0.000 χ^2/NDF: 618653.5/23

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.047+/-0.000 χ^2/NDF: 716172.2/28

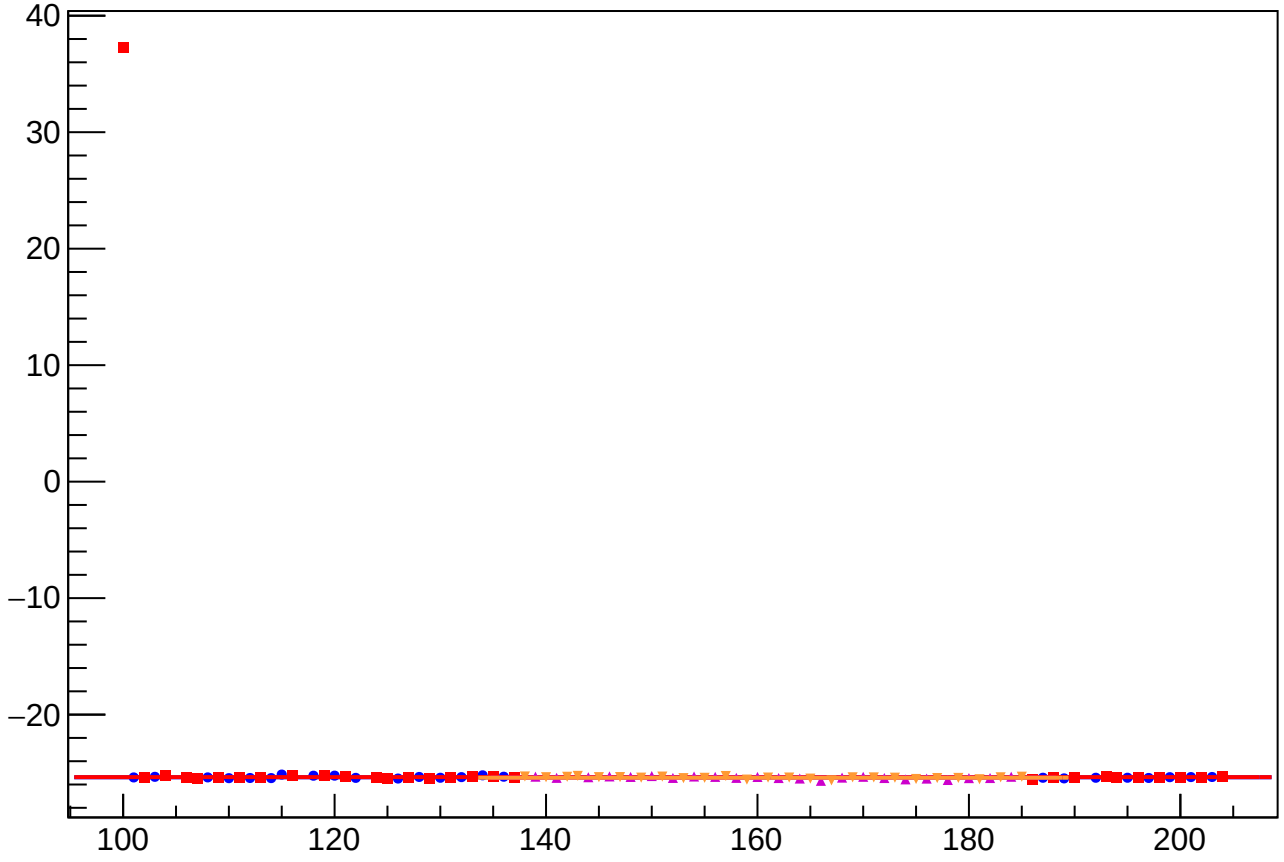
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.046+/-0.000 χ^2/NDF: 828559.5/47

All: 0.046+/-0.000 χ^2/NDF: 1803881.6/99

- sign 0.046+/-0.000 χ^2/NDF: 975222.6/51

yield_dsr_mean vs Slug



Right In: -25.382+/-0.000 χ^2/NDF: 18790361.1/23

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.366+/-0.000 χ^2/NDF: 6331681156.5/28

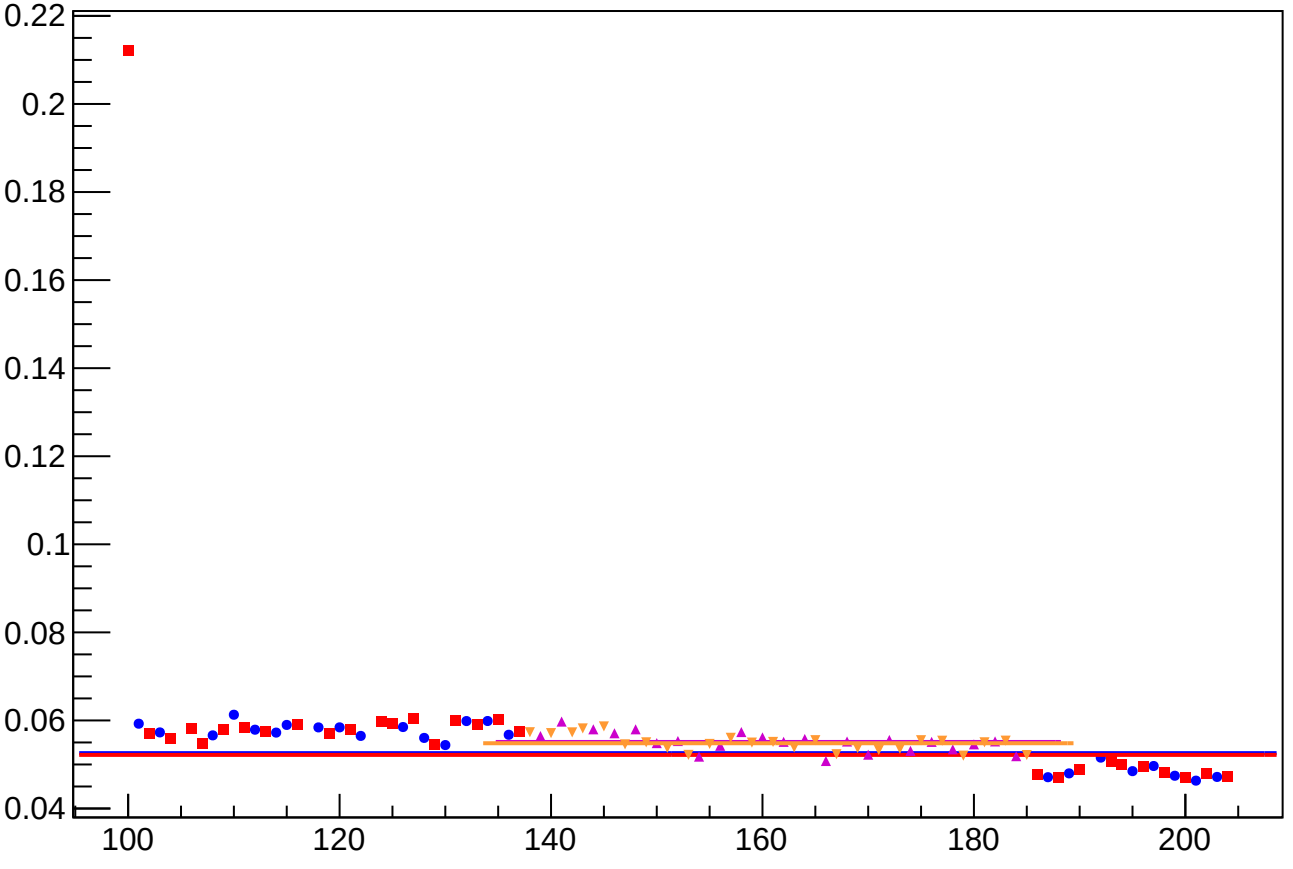
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.402+/-0.000 χ^2/NDF: 74192357.6/48

All: -25.396+/-0.000 χ^2/NDF: 6468982941.0/

- sign -25.391+/-0.000 χ^2/NDF: 6394112773.9/51

yield_dsr_rms vs Slug



Right In: 0.053+/-0.000 χ^2/NDF: 227561.8/23

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

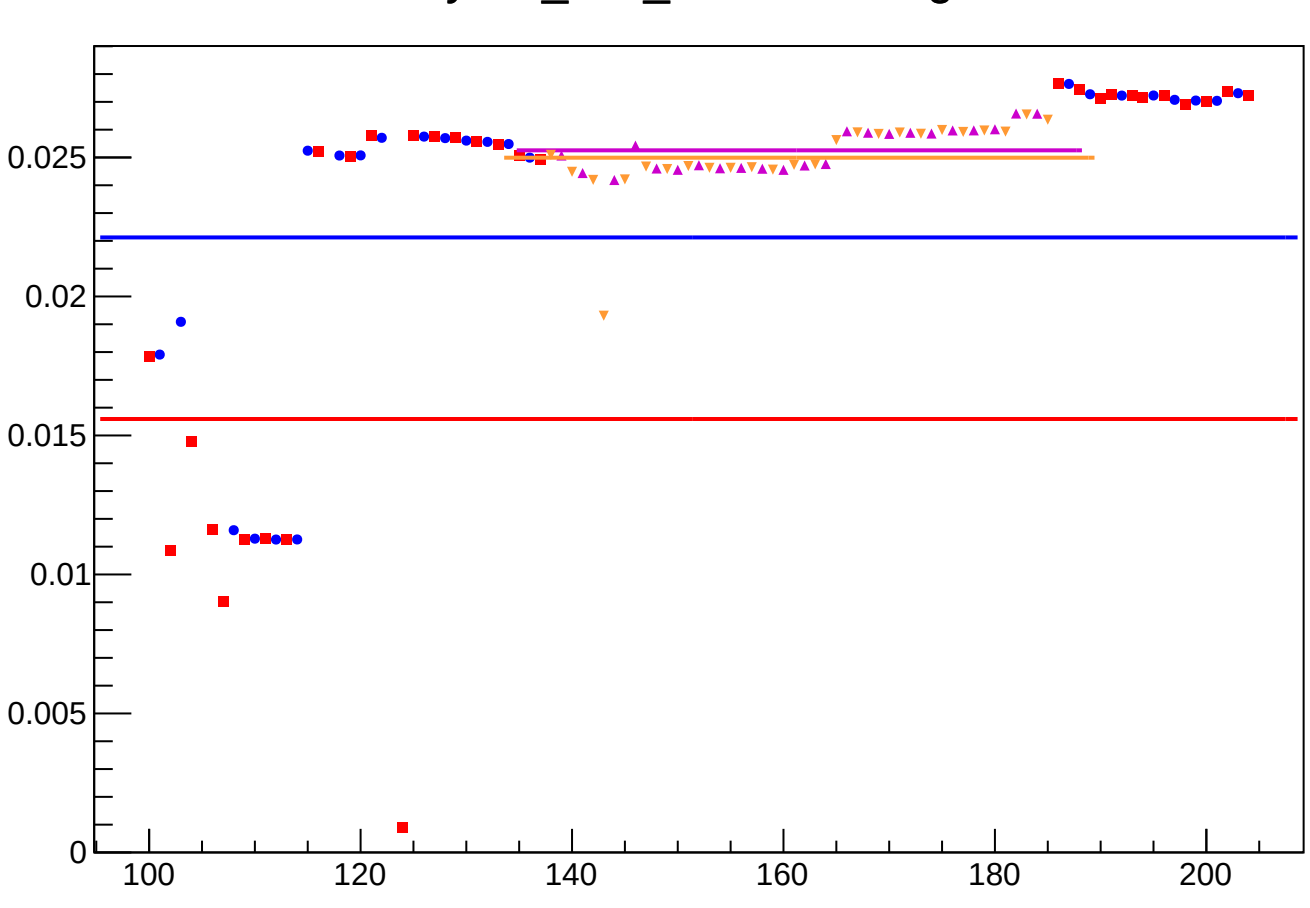
Right Out: 0.052+/-0.000 χ^2/NDF: 341118.7/28

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.054+/-0.000 χ^2/NDF: 292474.1/48

All: 0.054+/-0.000 χ^2/NDF: 733546.3/100

- sign 0.054+/-0.000 χ^2/NDF: 440786.2/51



Right In: 0.022+/-0.000 χ^2/NDF: 87227462772.6/23

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.016+/-0.000 χ^2/NDF: 419156453370.4/29

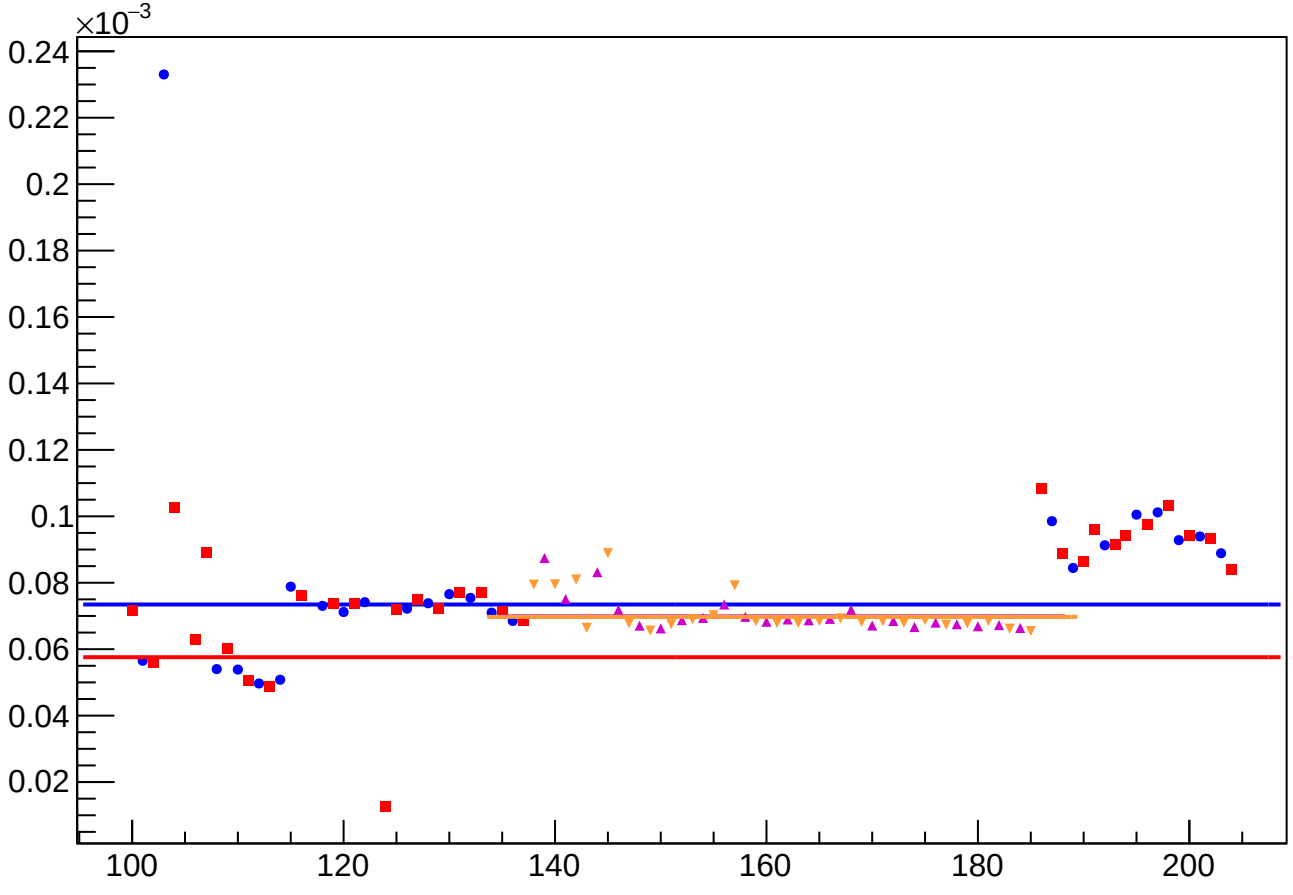
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 106775099553.0/48

All: 0.022+/-0.000 χ^2/NDF: 730273098643.1

- sign 0.021+/-0.000 χ^2/NDF: 586692477715.5/52

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1612337.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6916873.6/29

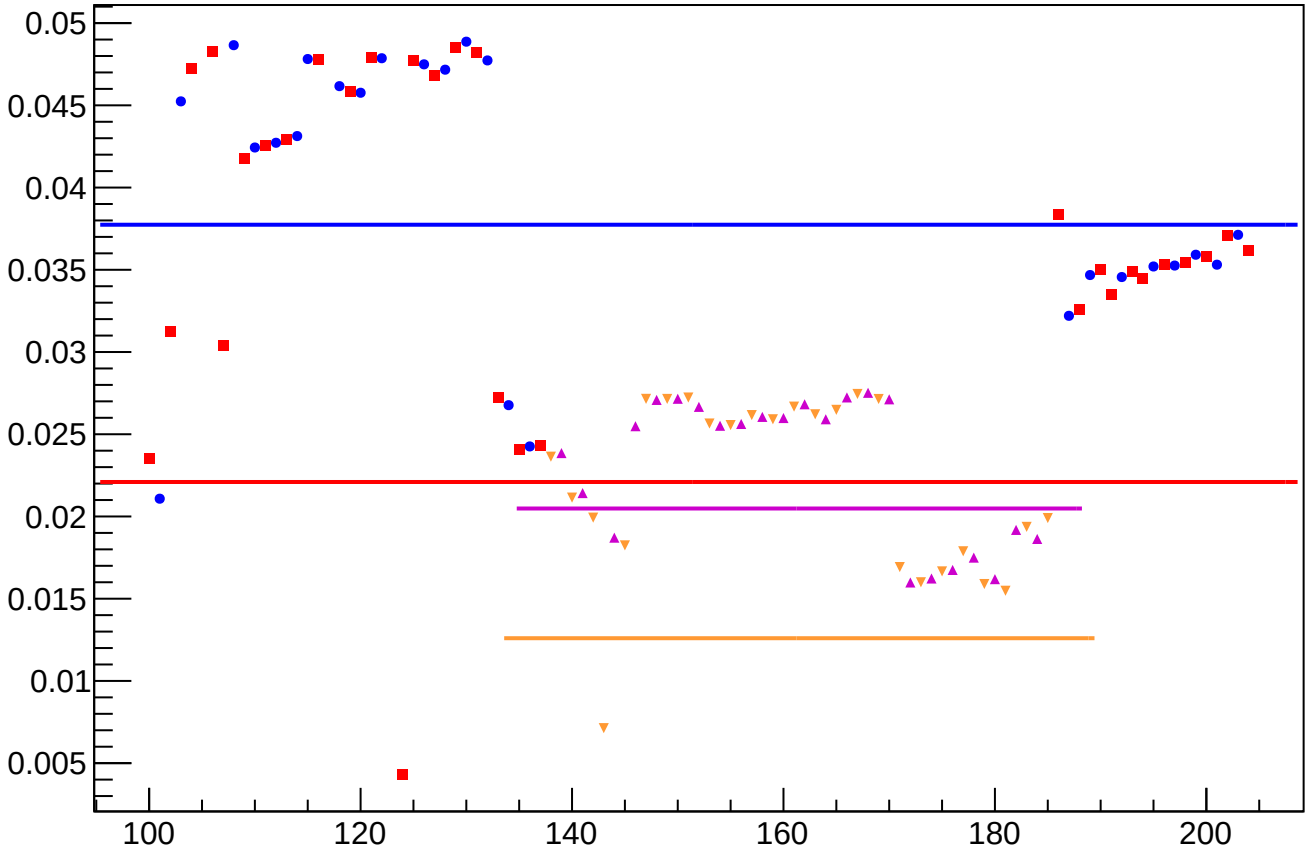
Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 1839914.6/48

All: 0.000+/-0.000 χ^2/NDF: 9779249.4/101

- sign 0.000+/-0.000 χ^2/NDF: 7604682.9/52

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 7220140056.4/23

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 45914234655.1/29

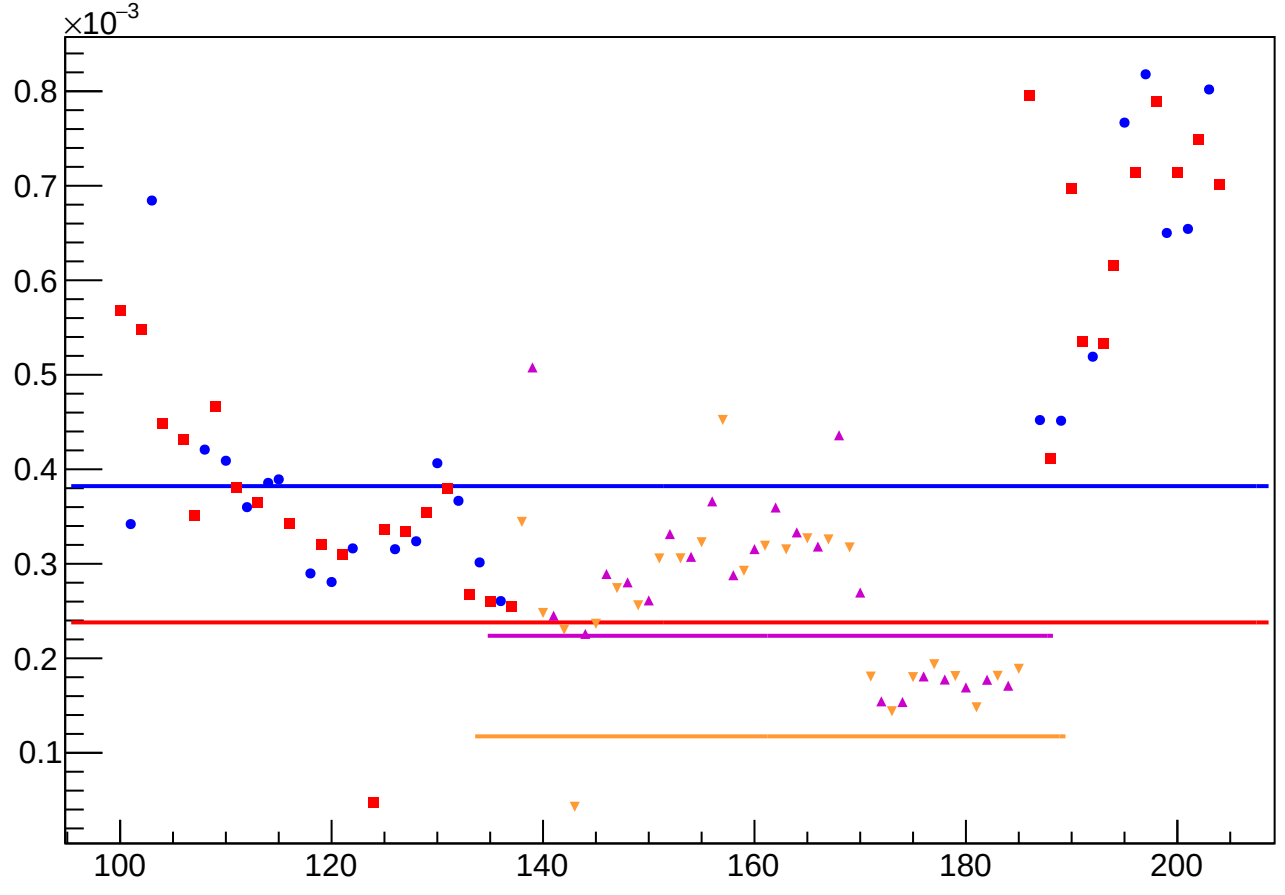
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 86898113068.7/48

All: 0.017+/-0.000 χ^2/NDF: 150144817220.1

- sign 0.021+/-0.000 χ^2/NDF: 52265151441.1/52

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2950292.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12442198.1/29

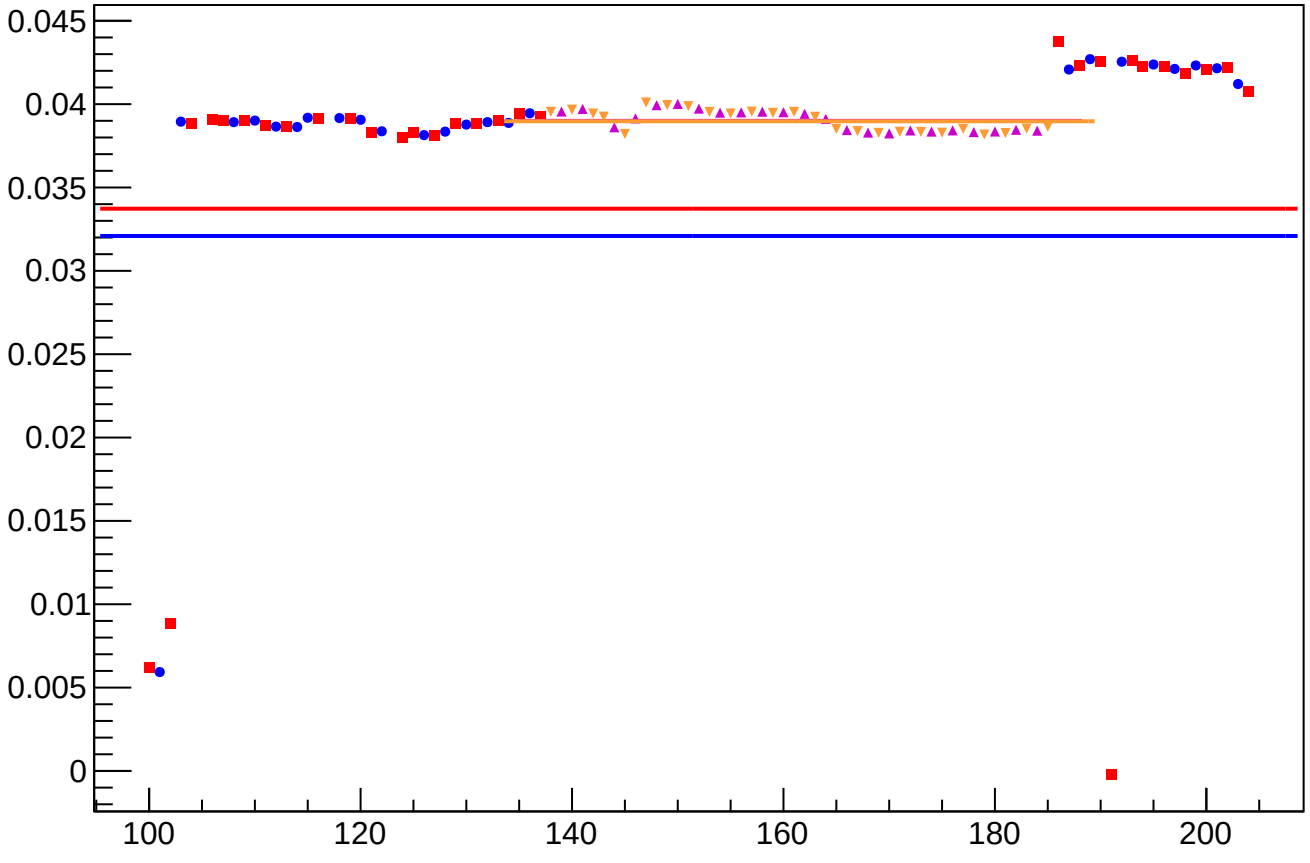
Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 26731220.3/48

All: 0.000+/-0.000 χ^2/NDF: 47009288.6/101

- sign 0.000+/-0.000 χ^2/NDF: 15869061.2/52

yield_atr1_mean vs Slug



Right In: 0.032+/-0.000 χ^2/NDF: 121418694408.1/23

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

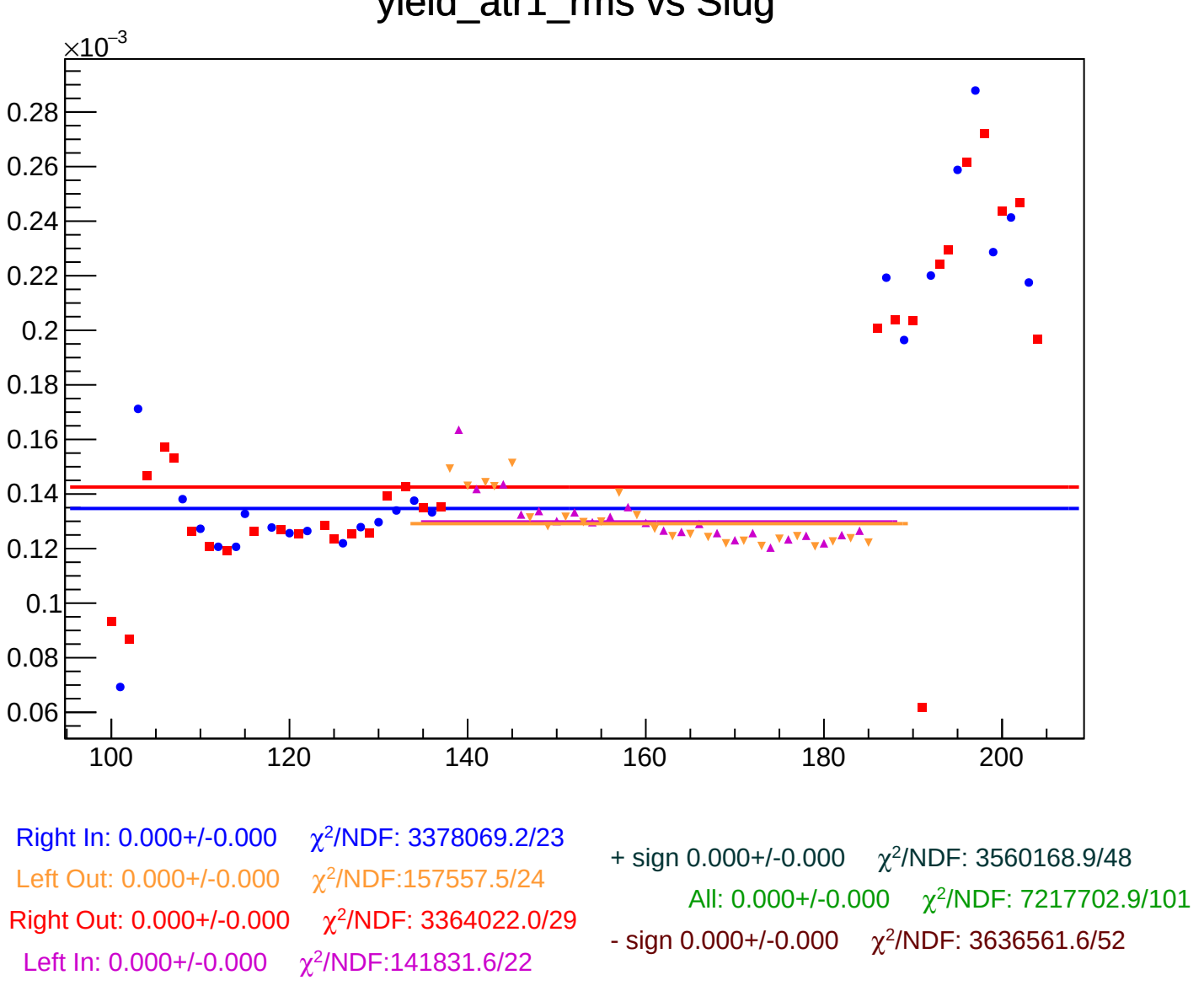
Right Out: 0.034+/-0.000 χ^2/NDF: 115439480539.5/29

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

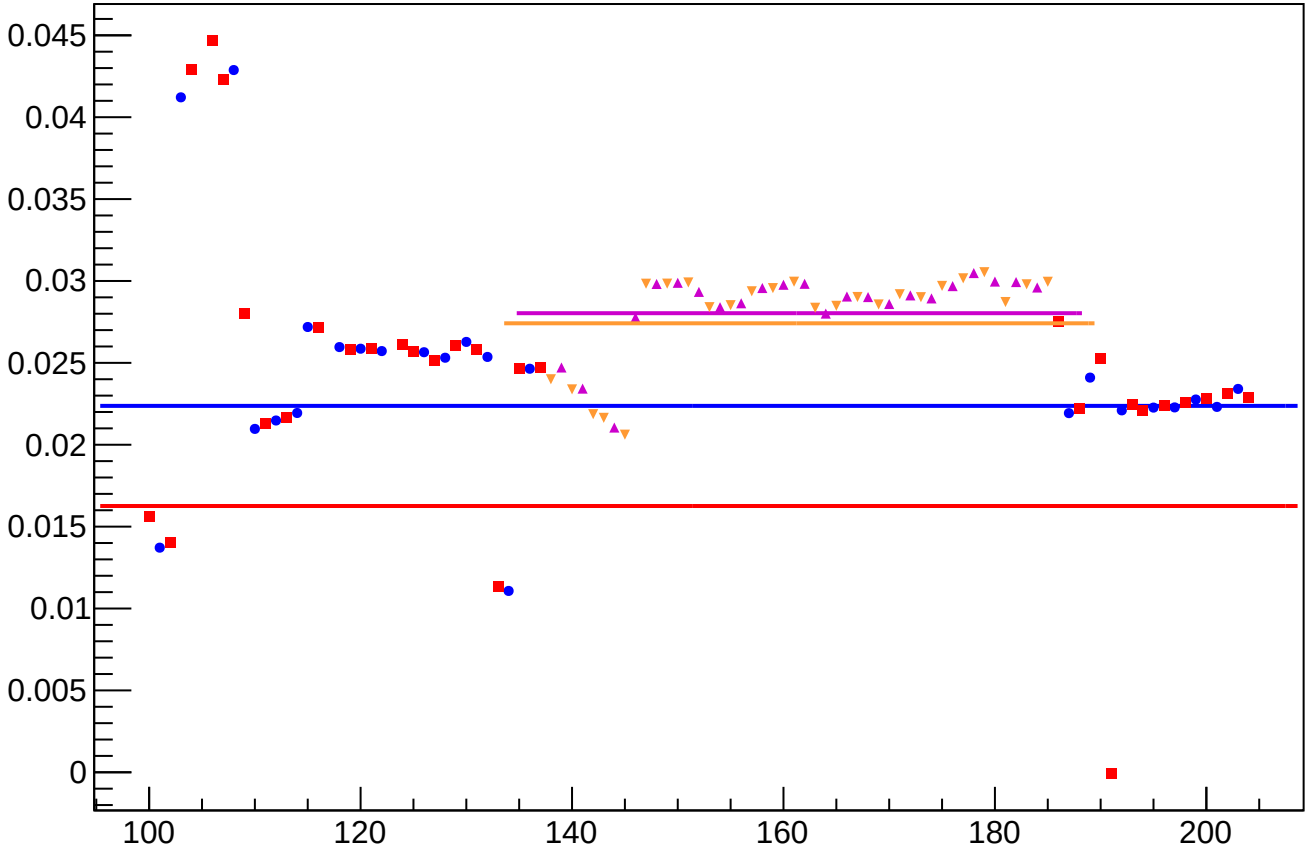
+ sign 0.037+/-0.000 χ^2/NDF: 140735664613.1/48

All: 0.037+/-0.000 χ^2/NDF: 267846842438.7

- sign 0.037+/-0.000 χ^2/NDF: 126928149991.8/52


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: 3378069.2/23
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3364022.0/29
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
+ sign 0.000+/-0.000 χ²/NDF: 3560168.9/48
All: 0.000+/-0.000 χ²/NDF: 7217702.9/101
- sign 0.000+/-0.000 χ²/NDF: 3636561.6/52

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5026469269.0/23

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF: 25242483341.2/29

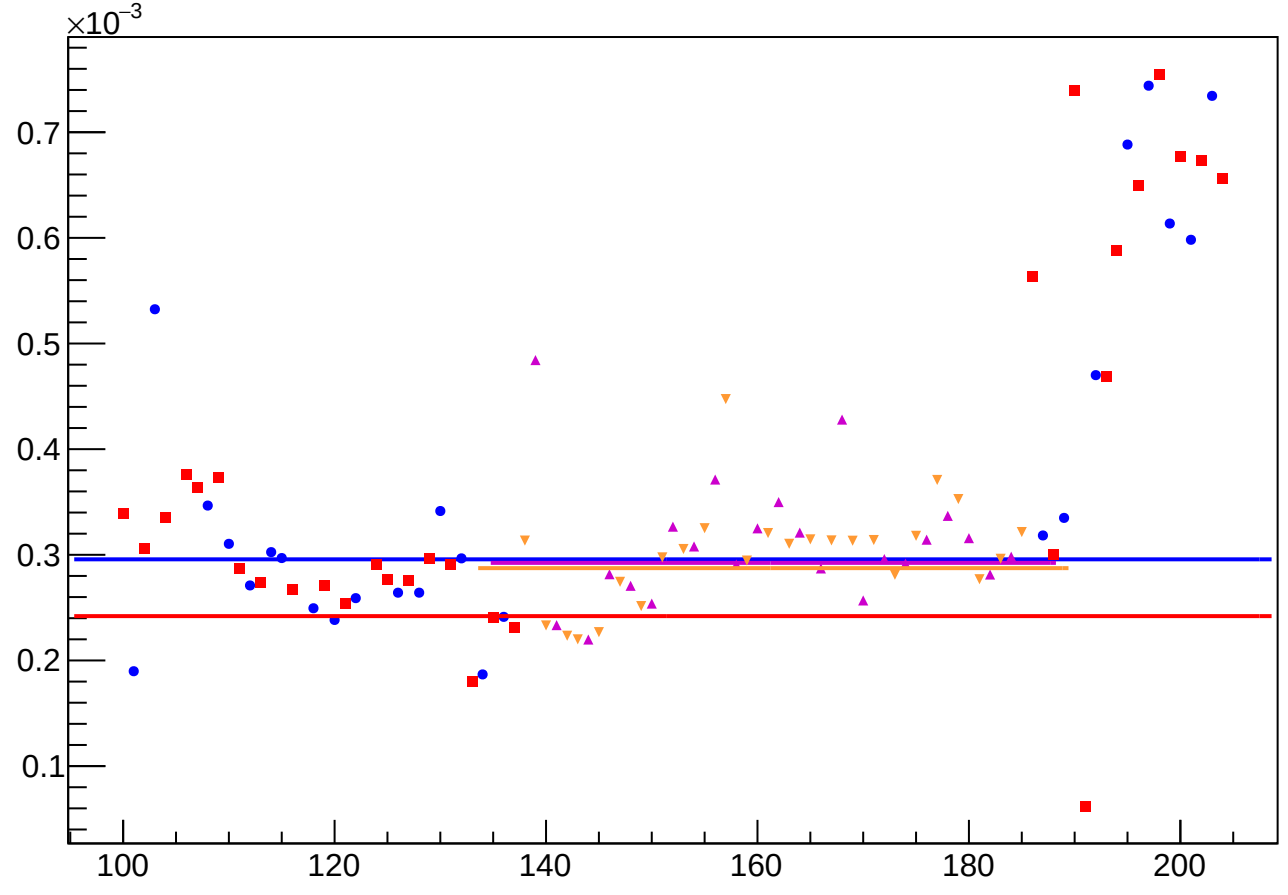
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9166226015.4/48

All: 0.024+/-0.000 χ^2/NDF: 49798145667.8/1

- sign 0.023+/-0.000 χ^2/NDF: 39089358432.4/52

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3860221.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

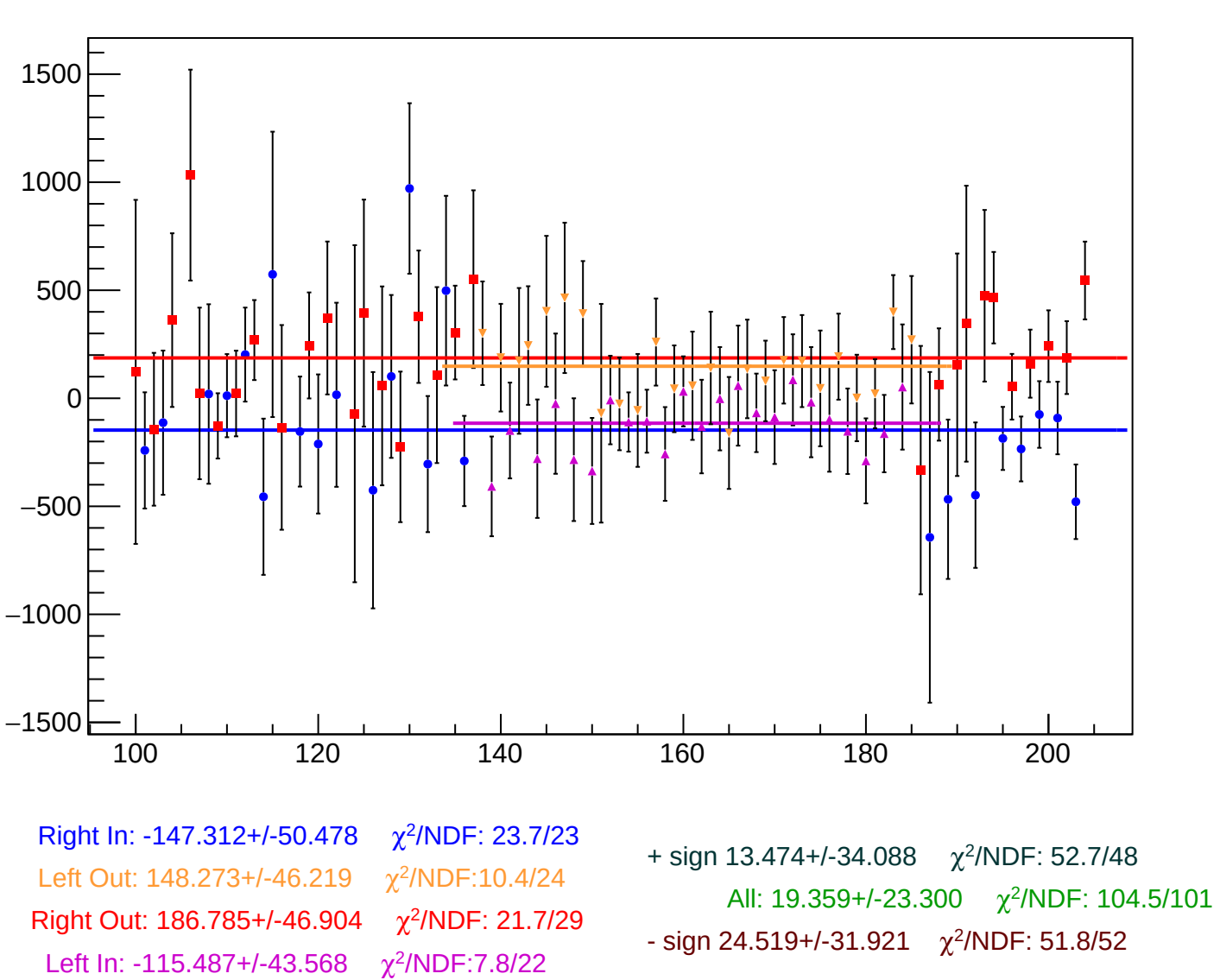
Right Out: 0.000+/-0.000 χ^2/NDF: 8840129.4/29

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

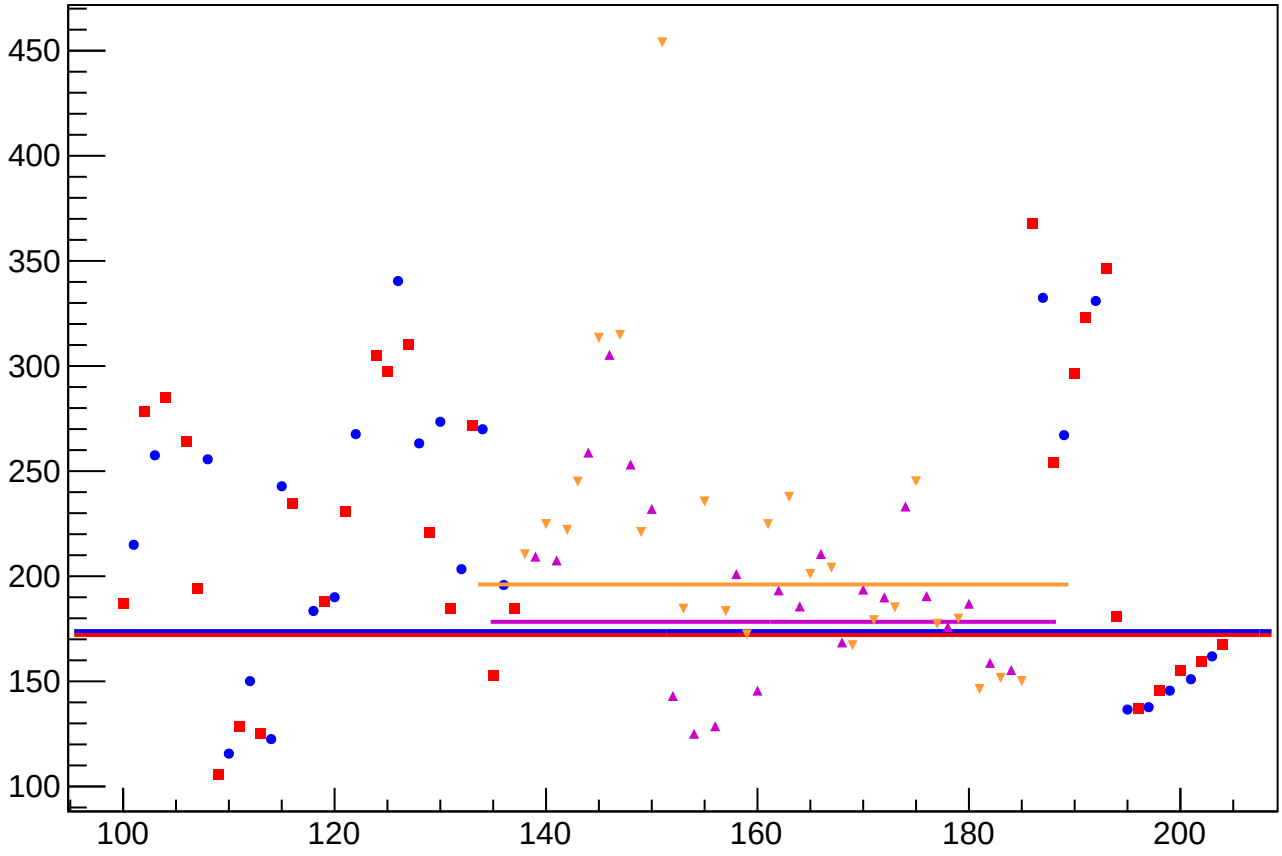
+ sign 0.000+/-0.000 χ^2/NDF: 4692124.9/48

All: 0.000+/-0.000 χ^2/NDF: 15110494.5/101

- sign 0.000+/-0.000 χ^2/NDF: 10263559.9/52


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: -147.312+/-50.478 χ²/NDF: 23.7/23
Left Out: 148.273+/-46.219 χ²/NDF:10.4/24
Right Out: 186.785+/-46.904 χ²/NDF: 21.7/29
Left In: -115.487+/-43.568 χ²/NDF:7.8/22
+ sign 13.474+/-34.088 χ²/NDF: 52.7/48
All: 19.359+/-23.300 χ²/NDF: 104.5/101
- sign 24.519+/-31.921 χ²/NDF: 51.8/52

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.906+/-0.036 χ^2/NDF: 2194188.9/23

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

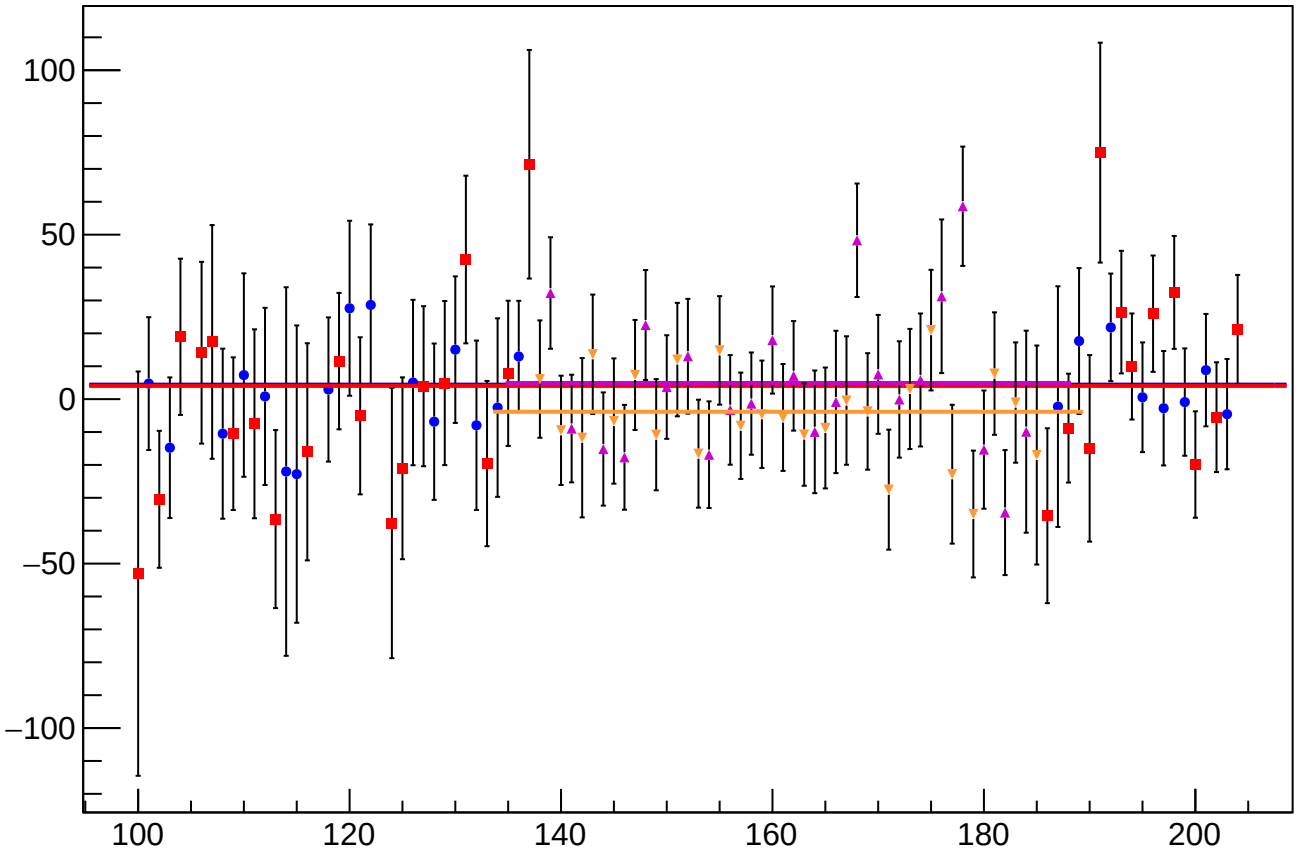
Right Out: 172.071+/-0.033 χ^2/NDF: 2902084.9/29

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 185.971+/-0.024 χ^2/NDF: 4222741.6/48

All: 180.352+/-0.016 χ^2/NDF: 8924209.8/101

- sign 175.425+/-0.023 χ^2/NDF: 4599465.1/52



Right In: 4.408+/-4.454 χ^2/NDF: 6.7/23

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

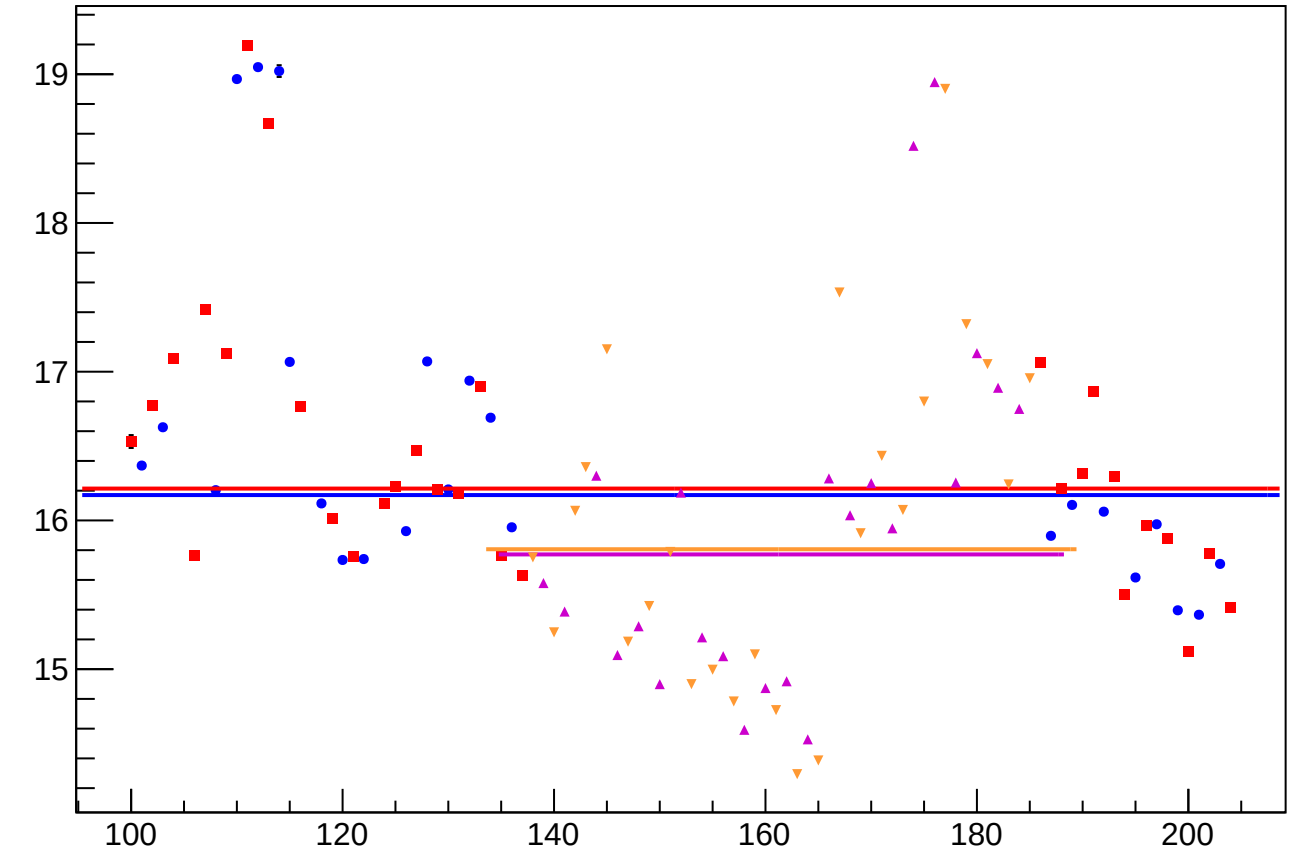
Right Out: 4.022+/-4.129 χ^2/NDF: 33.7/29

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

\+ sign -0.574+/-2.801 χ^2/NDF: 21.6/48

All: 2.012+/-1.964 χ^2/NDF: 90.9/101

\- sign 4.512+/-2.754 χ^2/NDF: 67.6/52



Right In: 16.171+/-0.003 χ^2/NDF: 66477.3/23

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

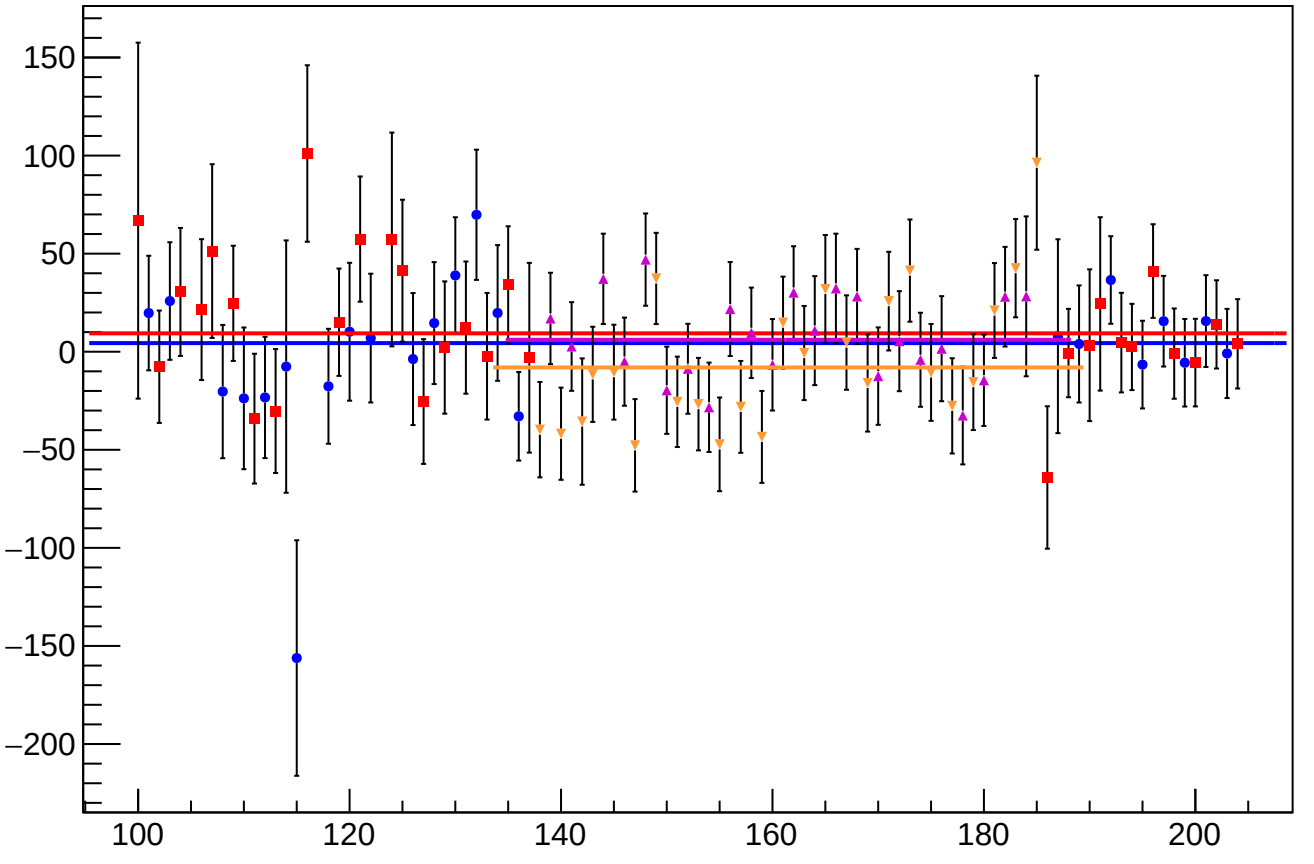
Right Out: 16.214+/-0.003 χ^2/NDF: 75773.7/29

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

+ sign 15.950+/-0.002 χ^2/NDF: 247214.8/48

All: 15.960+/-0.001 χ^2/NDF: 487936.2/101

- sign 15.968+/-0.002 χ^2/NDF: 240679.5/52



Right In: 4.396+/-5.941 χ^2/NDF: 21.9/23

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: 9.372+/-5.514 χ^2/NDF: 23.0/29

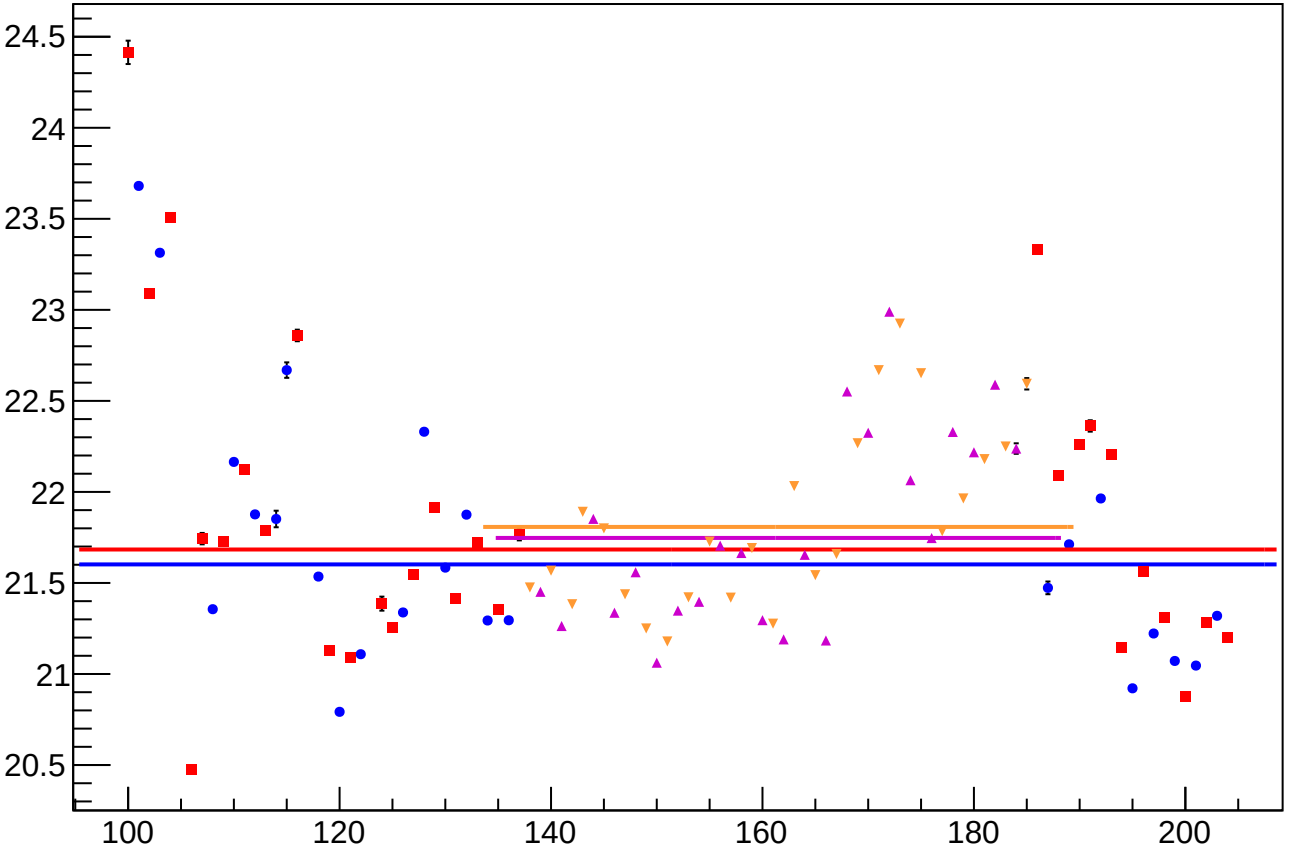
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

+ sign -2.922+/-3.806 χ^2/NDF: 63.3/48

All: 2.433+/-2.666 χ^2/NDF: 108.3/101

- sign 7.595+/-3.736 χ^2/NDF: 41.1/52

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.602+/-0.004 χ^2/NDF: 27008.5/23

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

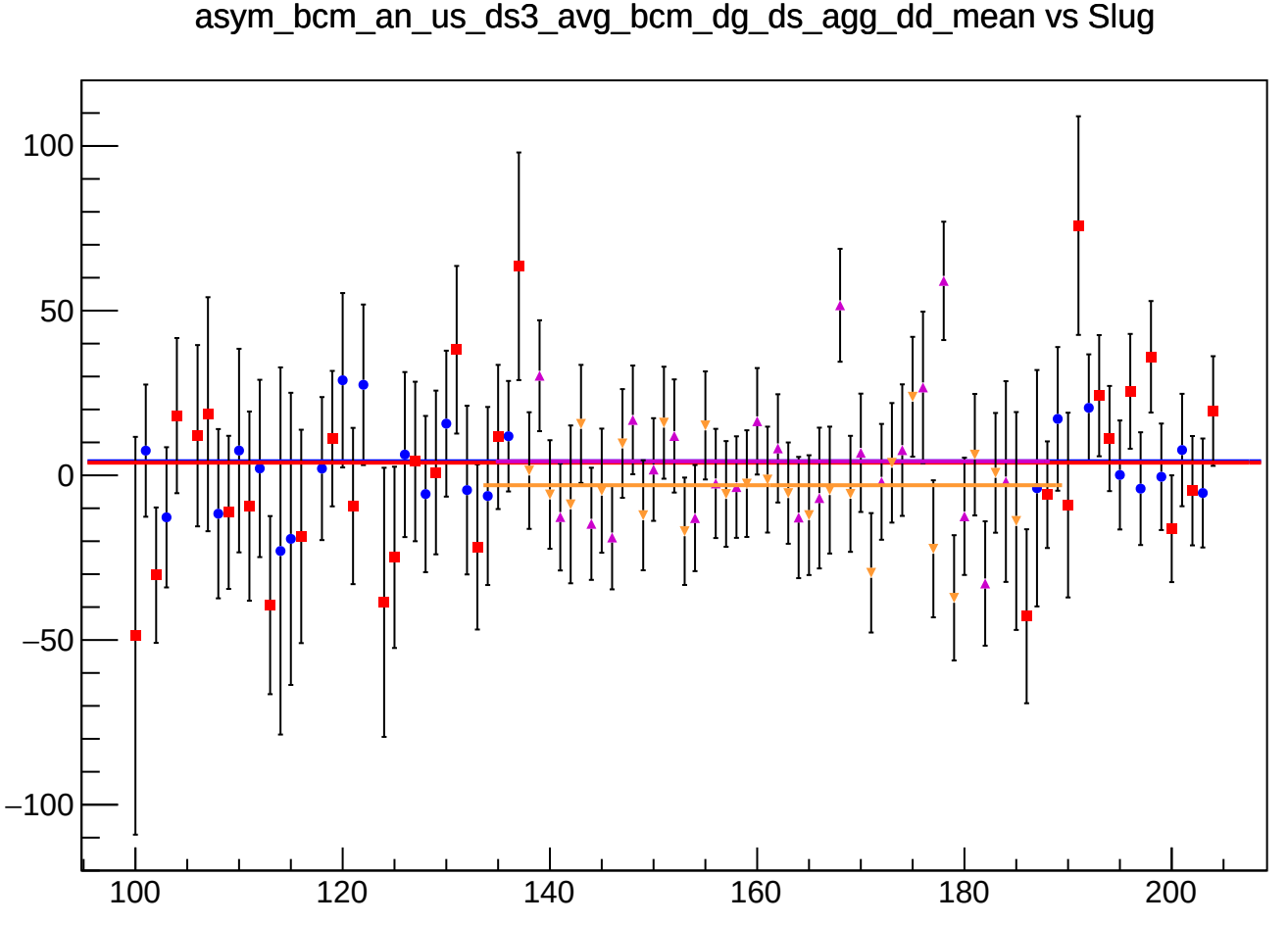
Right Out: 21.684+/-0.004 χ^2/NDF: 31715.4/29

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.723+/-0.003 χ^2/NDF: 45985.2/48

All: 21.721+/-0.002 χ^2/NDF: 98407.0/101

- sign 21.718+/-0.003 χ^2/NDF: 52419.9/52



Right In: 4.283+/-4.419 χ^2/NDF: 6.5/23

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

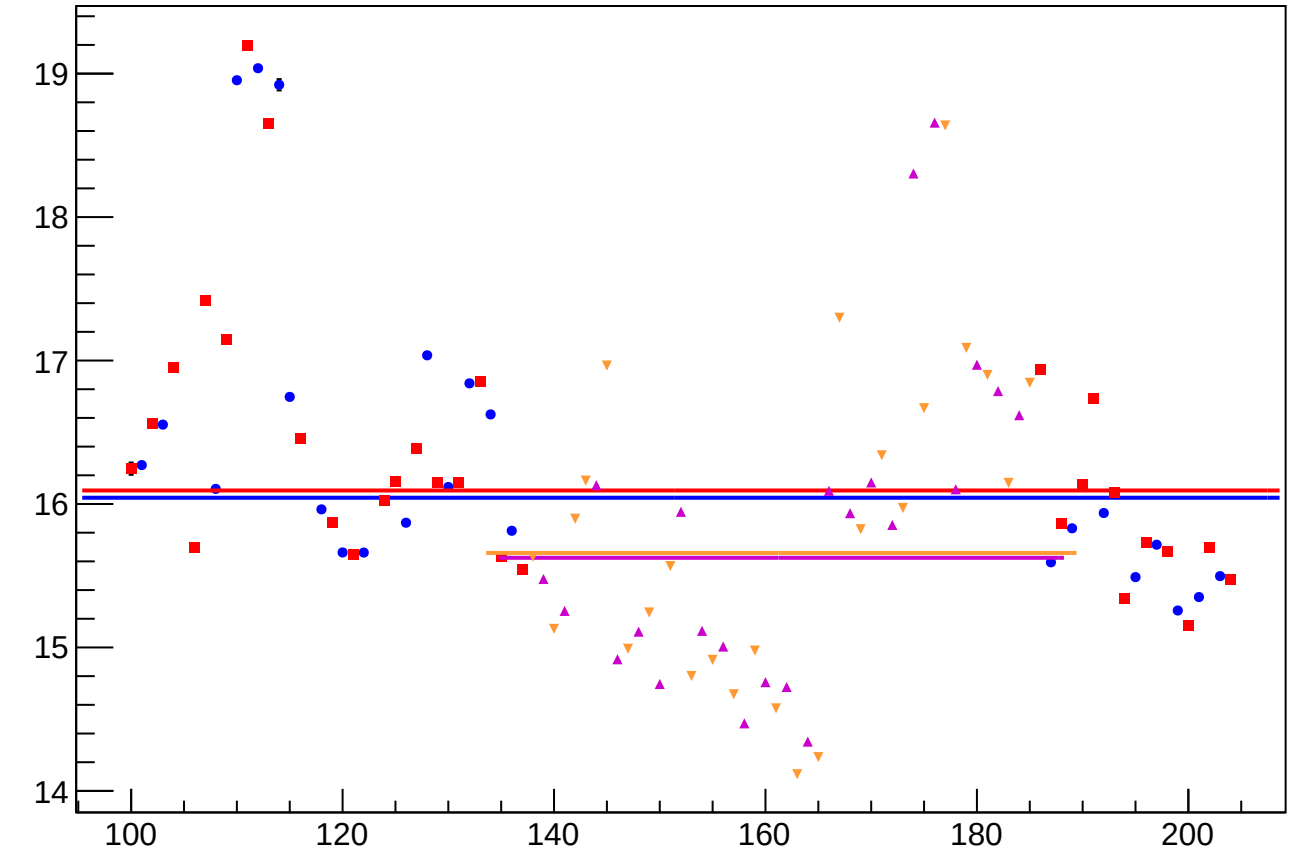
Right Out: 3.845+/-4.099 χ^2/NDF: 34.1/29

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign -0.127+/-2.776 χ^2/NDF: 22.7/48

All: 2.007+/-1.947 χ^2/NDF: 91.8/101

- sign 4.070+/-2.730 χ^2/NDF: 67.9/52



Right In: 16.044+/-0.003 χ^2/NDF: 71296.8/23

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

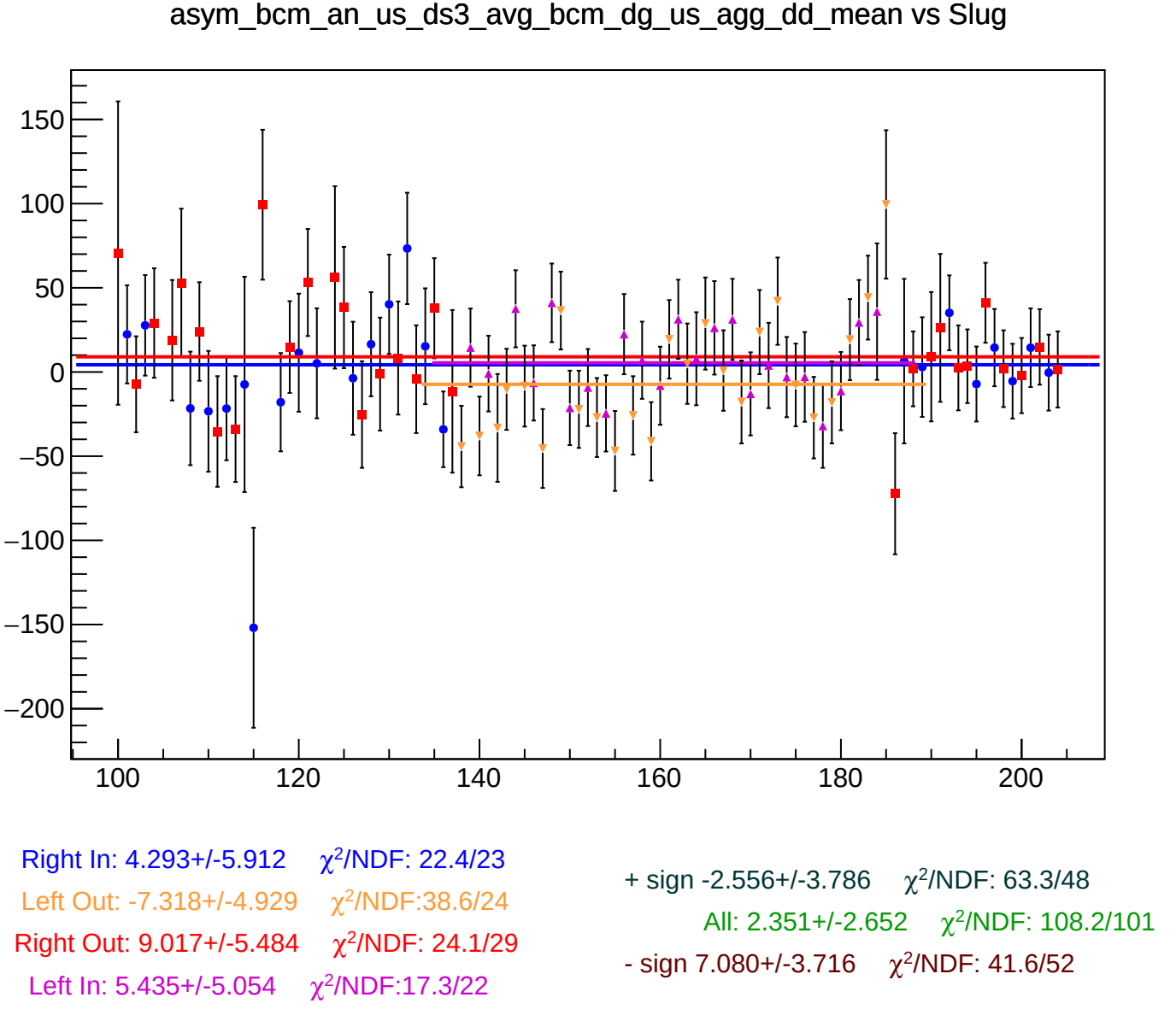
Right Out: 16.094+/-0.003 χ^2/NDF: 77376.1/29

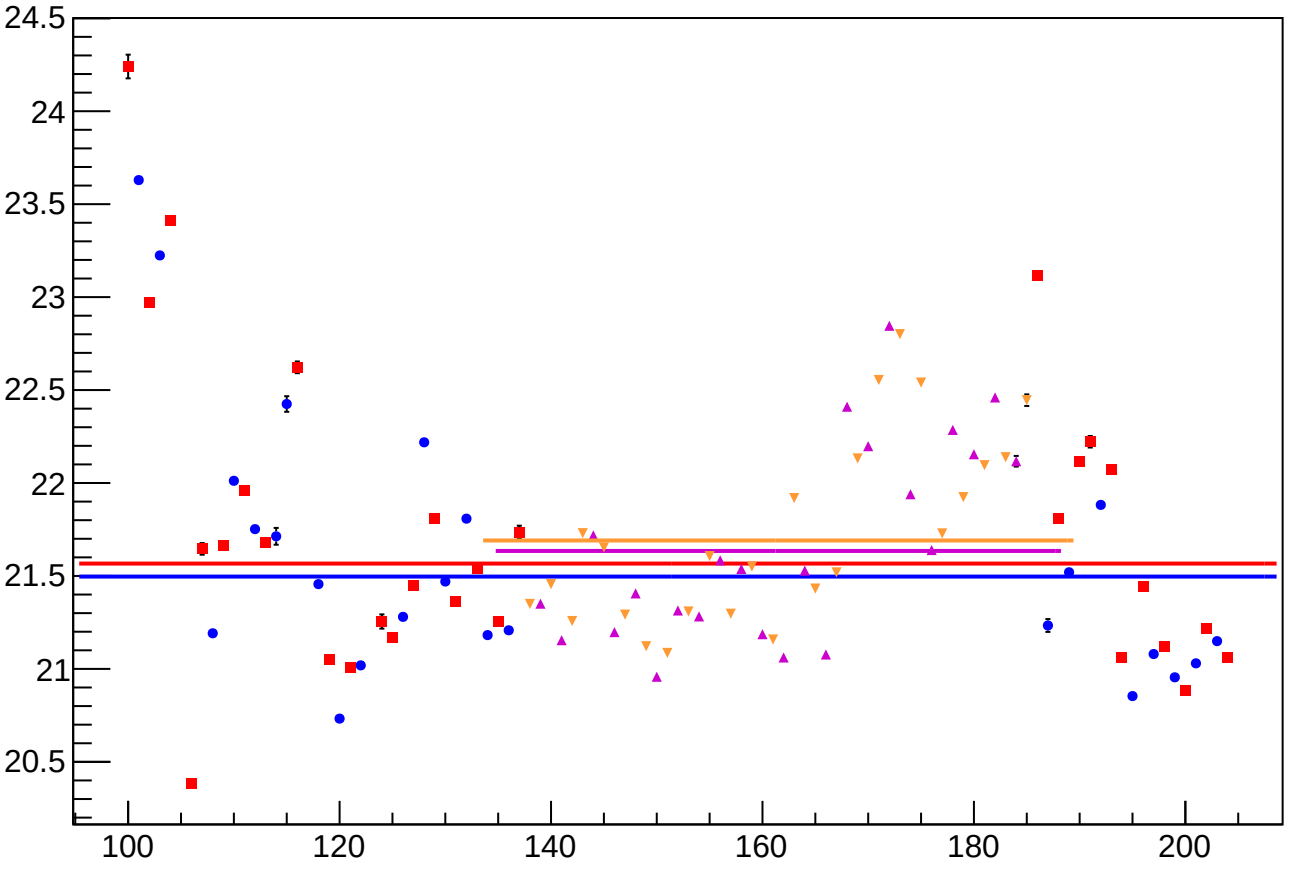
Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

+ sign 15.811+/-0.002 χ^2/NDF: 250309.2/48

All: 15.822+/-0.001 χ^2/NDF: 492764.3/101

- sign 15.833+/-0.002 χ^2/NDF: 242388.6/52


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug
150
100
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: 4.293+/-5.912 χ²/NDF: 22.4/23
Left Out: -7.318+/-4.929 χ²/NDF:38.6/24
Right Out: 9.017+/-5.484 χ²/NDF: 24.1/29
Left In: 5.435+/-5.054 χ²/NDF:17.3/22
+ sign -2.556+/-3.786 χ²/NDF: 63.3/48
All: 2.351+/-2.652 χ²/NDF: 108.2/101
- sign 7.080+/-3.716 χ²/NDF: 41.6/52



Right In: 21.497+/-0.004 χ^2/NDF: 27320.0/23

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.567+/-0.004 χ^2/NDF: 29660.5/29

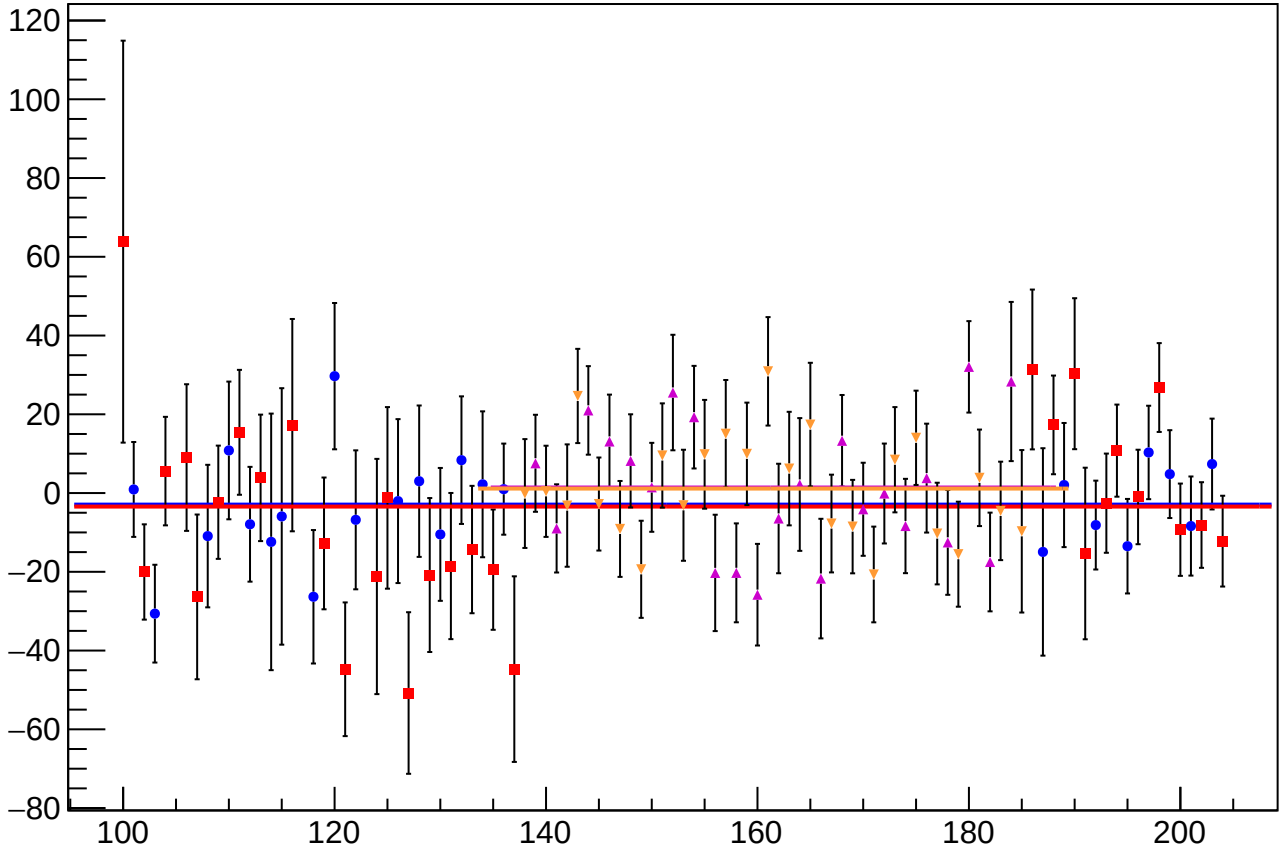
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.611+/-0.003 χ^2/NDF: 46527.8/48

All: 21.607+/-0.002 χ^2/NDF: 96919.9/101

- sign 21.603+/-0.003 χ^2/NDF: 50387.6/52

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.937+/-3.045 χ^2/NDF: 16.1/23

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: -3.435+/-2.830 χ^2/NDF: 44.7/29

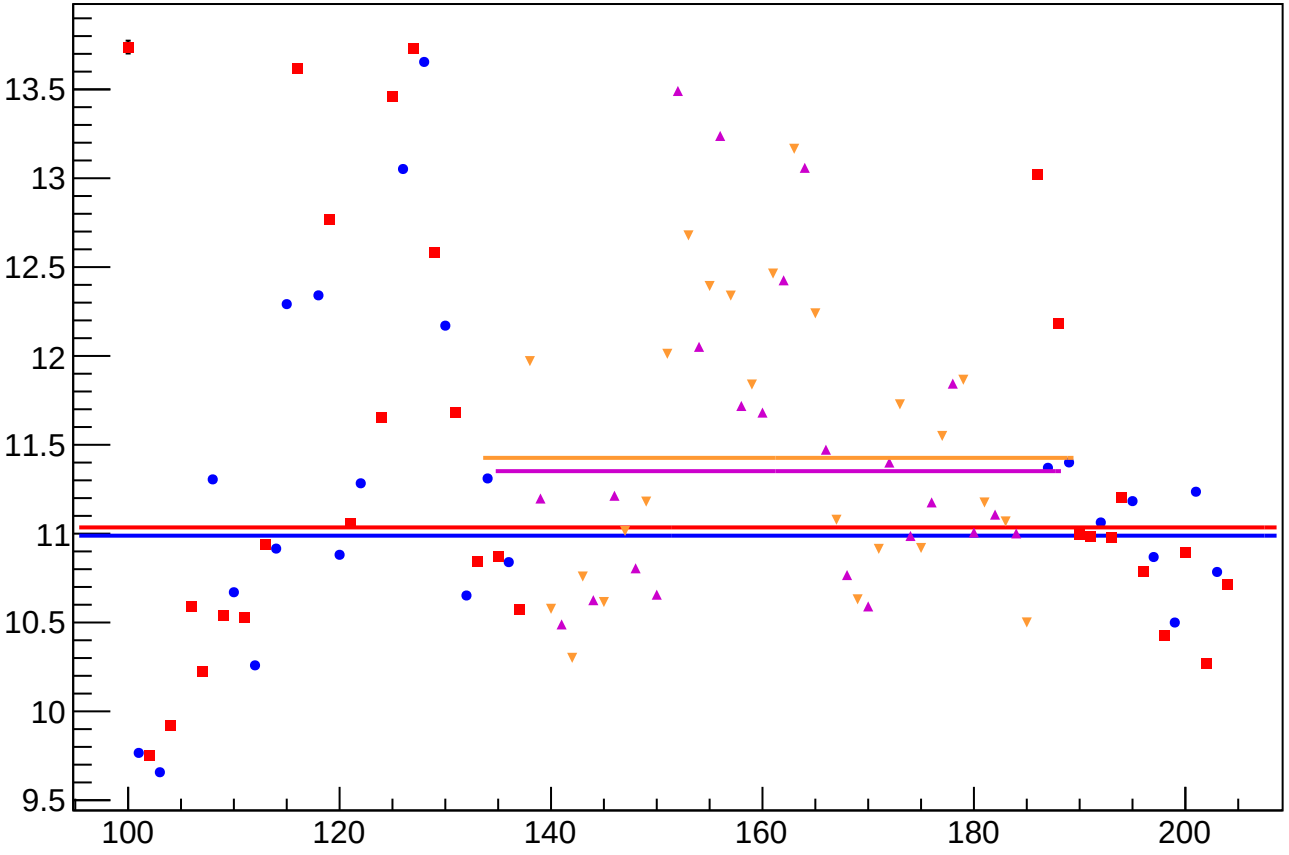
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.596+/-1.986 χ^2/NDF: 41.7/48

All: -0.739+/-1.389 χ^2/NDF: 124.3/101

- sign -0.877+/-1.944 χ^2/NDF: 82.6/52

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.989+/-0.002 χ^2/NDF: 144014.2/23

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

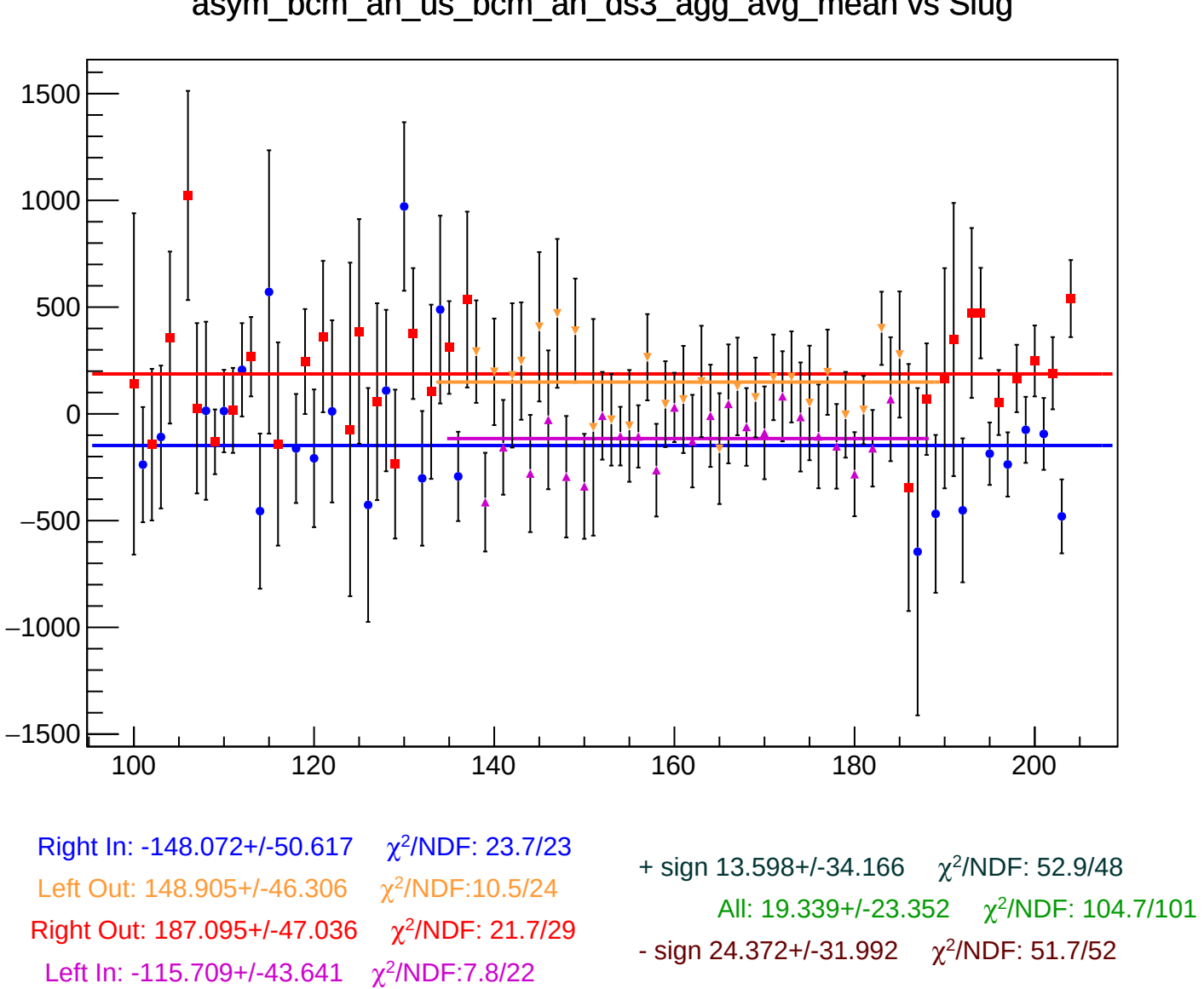
Right Out: 11.035+/-0.002 χ^2/NDF: 218319.9/29

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

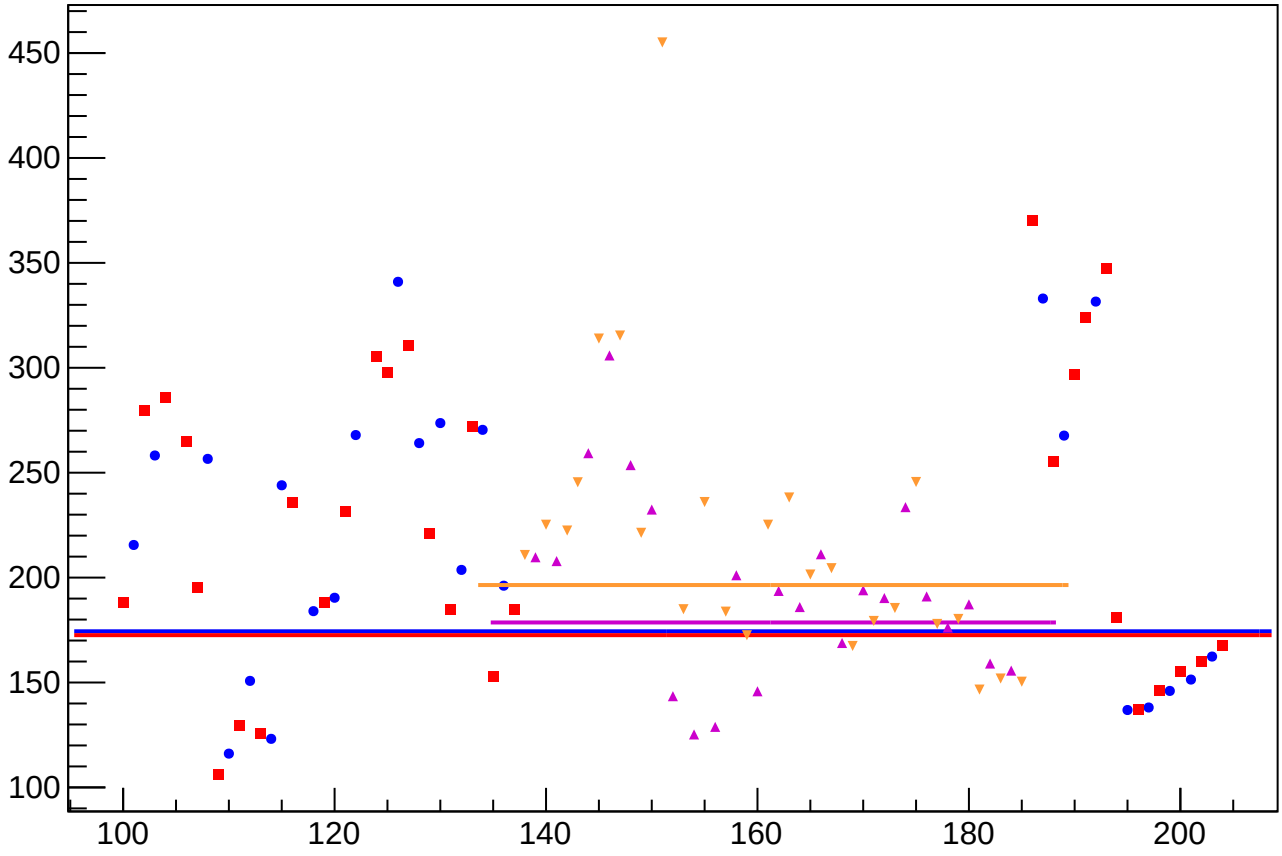
+ sign 11.240+/-0.001 χ^2/NDF: 324751.4/48

All: 11.221+/-0.001 χ^2/NDF: 727231.9/101

- sign 11.202+/-0.001 χ^2/NDF: 402109.5/52


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: -148.072+/-50.617 χ²/NDF: 23.7/23
Left Out: 148.905+/-46.306 χ²/NDF:10.5/24
Right Out: 187.095+/-47.036 χ²/NDF: 21.7/29
Left In: -115.709+/-43.641 χ²/NDF:7.8/22
+ sign 13.598+/-34.166 χ²/NDF: 52.9/48
All: 19.339+/-23.352 χ²/NDF: 104.7/101
- sign 24.372+/-31.992 χ²/NDF: 51.7/52

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 174.404+/-0.036 χ^2/NDF: 2188481.3/23

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

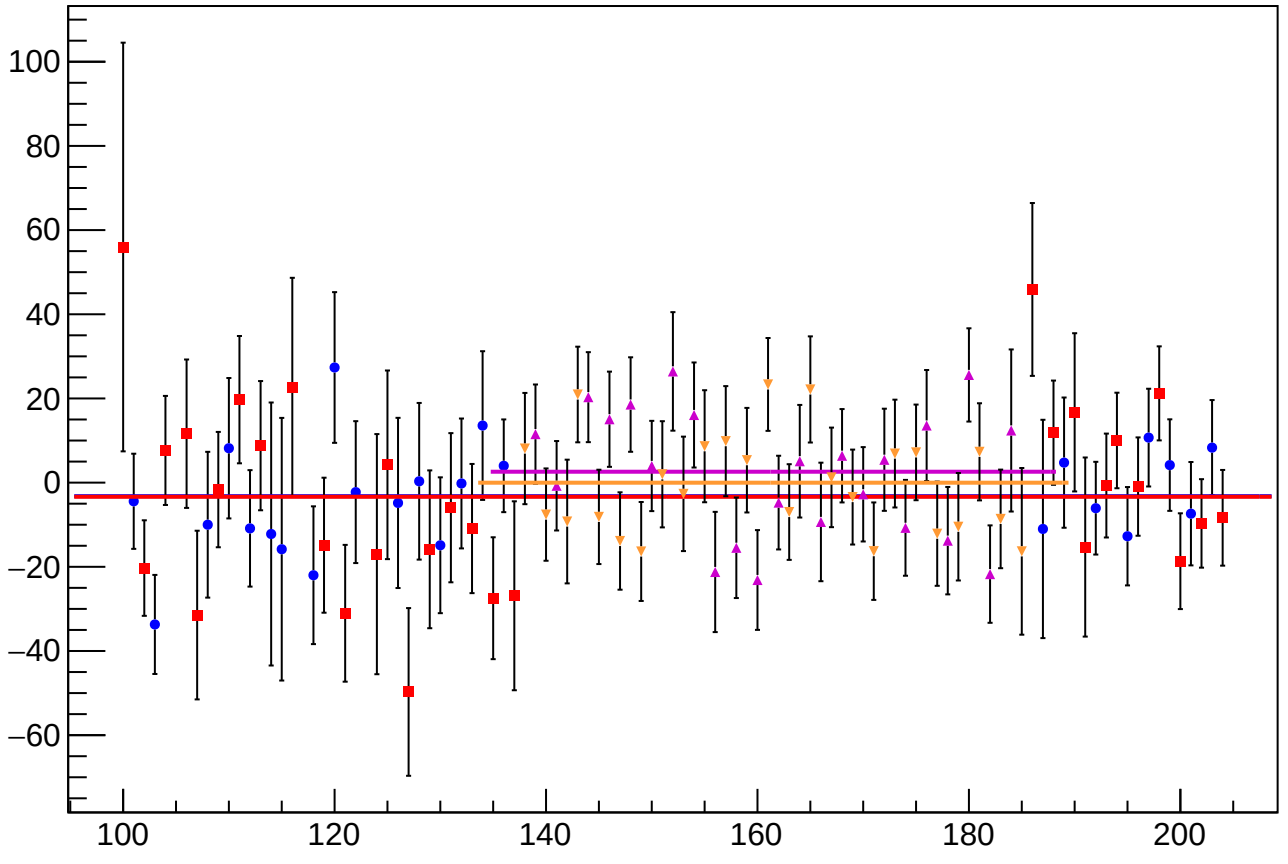
Right Out: 172.566+/-0.033 χ^2/NDF: 2898741.0/29

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 186.408+/-0.024 χ^2/NDF: 4213843.2/48

All: 180.764+/-0.017 χ^2/NDF: 8911637.7/101

- sign 175.816+/-0.023 χ^2/NDF: 4595372.2/52



Right In: -3.222+/-2.936 χ^2/NDF: 18.2/23

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.357+/-2.733 χ^2/NDF: 42.3/29

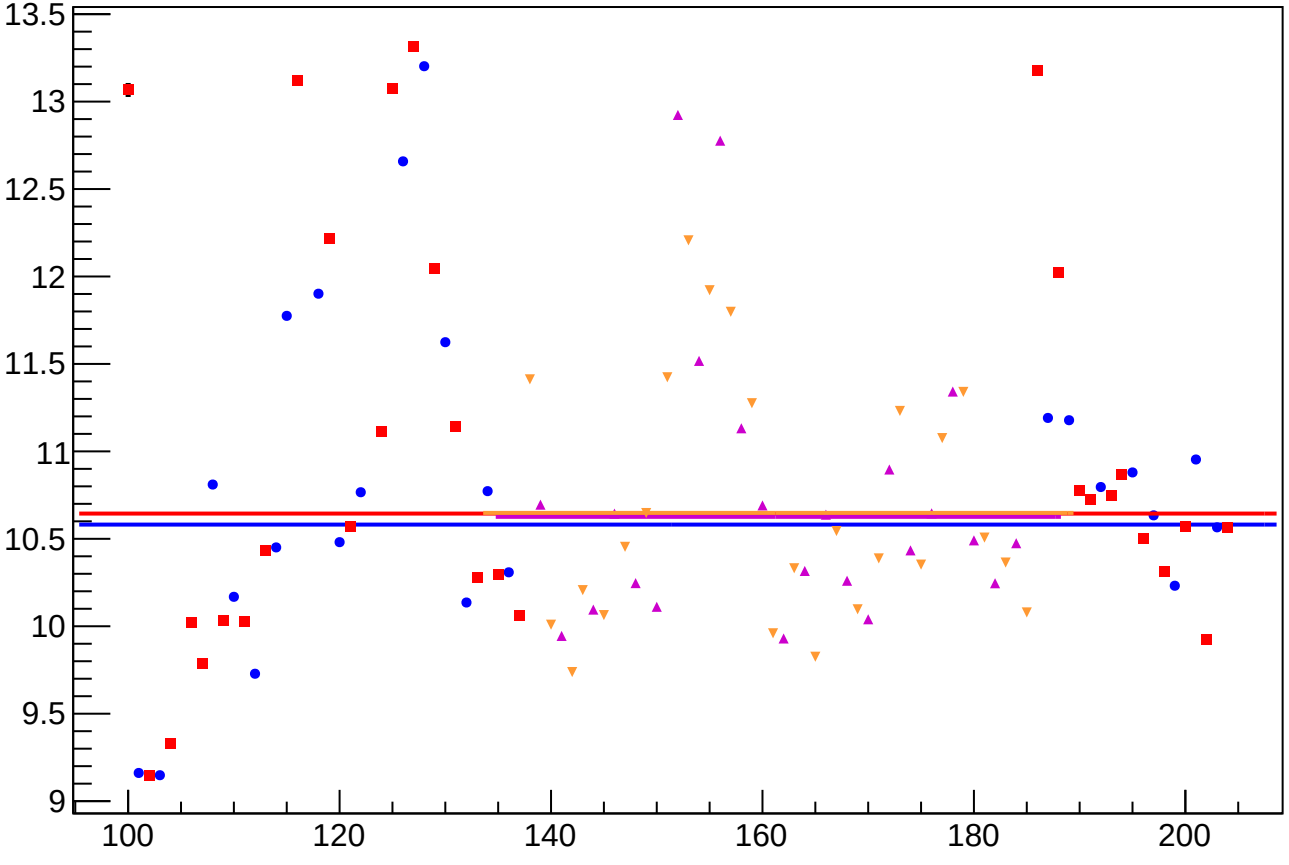
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.329+/-1.879 χ^2/NDF: 42.7/48

All: -0.717+/-1.317 χ^2/NDF: 122.5/101

- sign -0.125+/-1.847 χ^2/NDF: 79.6/52

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.581+/-0.002 χ^2/NDF: 169042.9/23

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

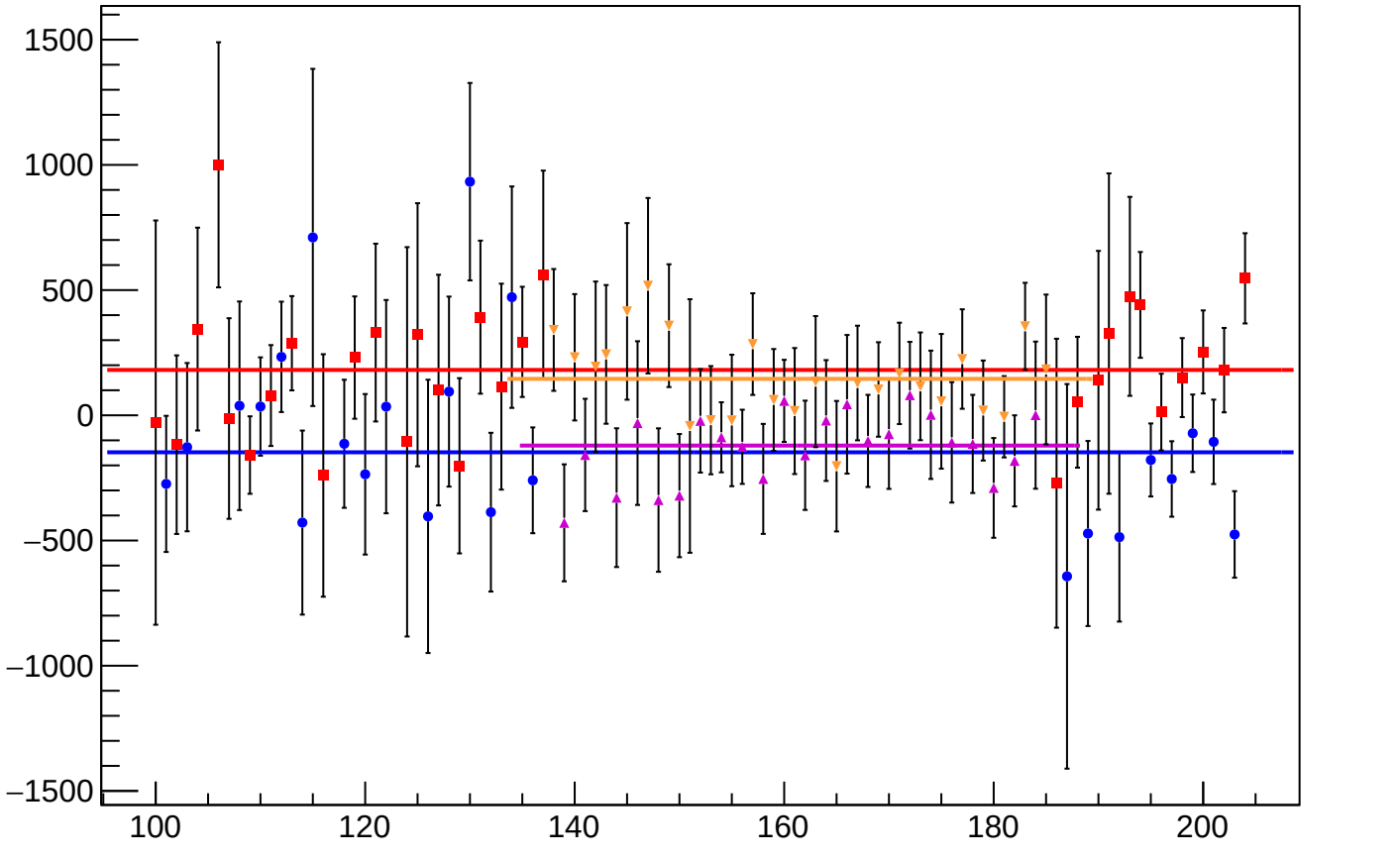
Right Out: 10.644+/-0.002 χ^2/NDF: 256106.6/29

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.621+/-0.001 χ^2/NDF: 313192.4/48

All: 10.628+/-0.001 χ^2/NDF: 728944.2/101

- sign 10.634+/-0.001 χ^2/NDF: 415700.5/52



Right In: -147.686+/-50.738 χ^2/NDF: 24.4/23

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: 181.192+/-47.212 χ^2/NDF: 21.9/29

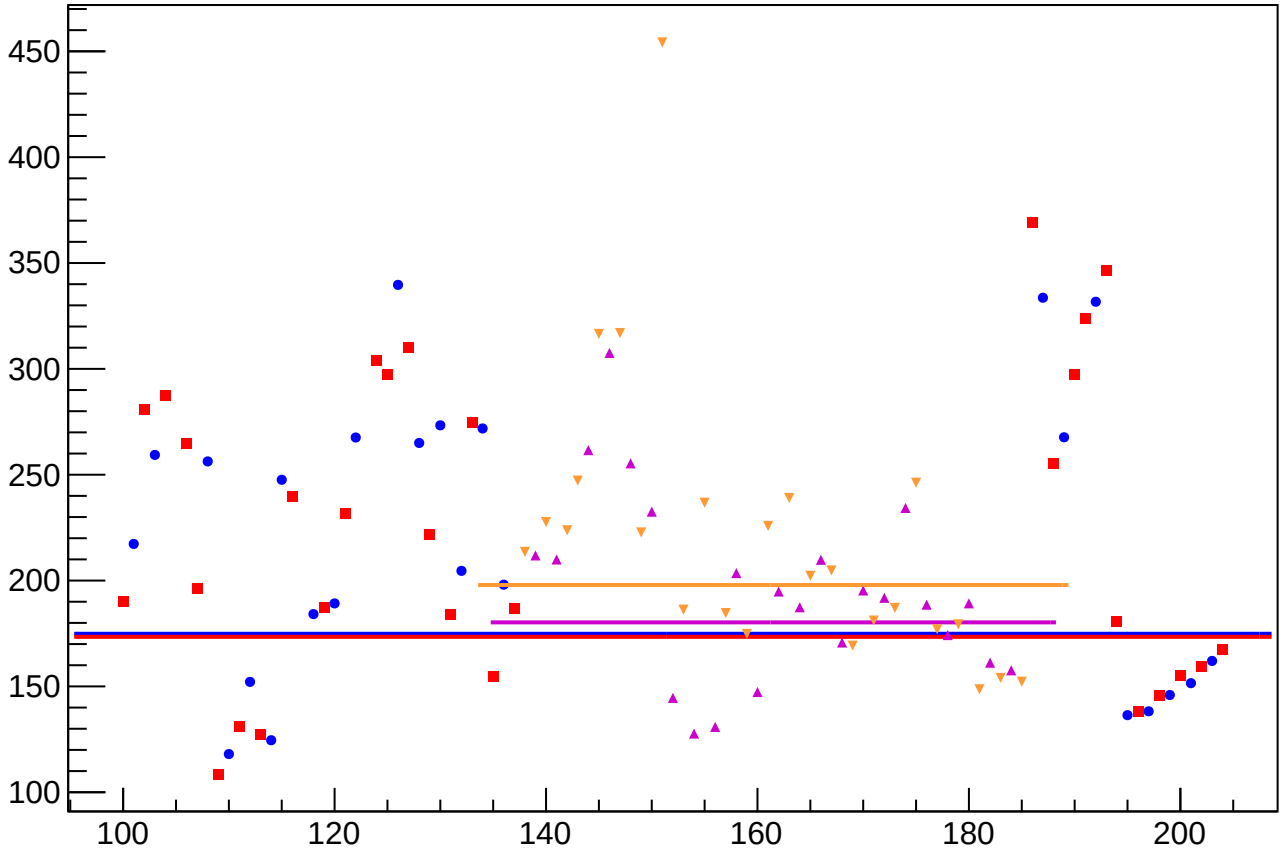
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

\+ sign 11.330+/-34.326 χ^2/NDF: 52.8/48

All: 15.683+/-23.479 χ^2/NDF: 104.8/101

\- sign 19.509+/-32.186 χ^2/NDF: 52.1/52

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.864+/-0.036 χ^2/NDF: 2181103.3/23

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

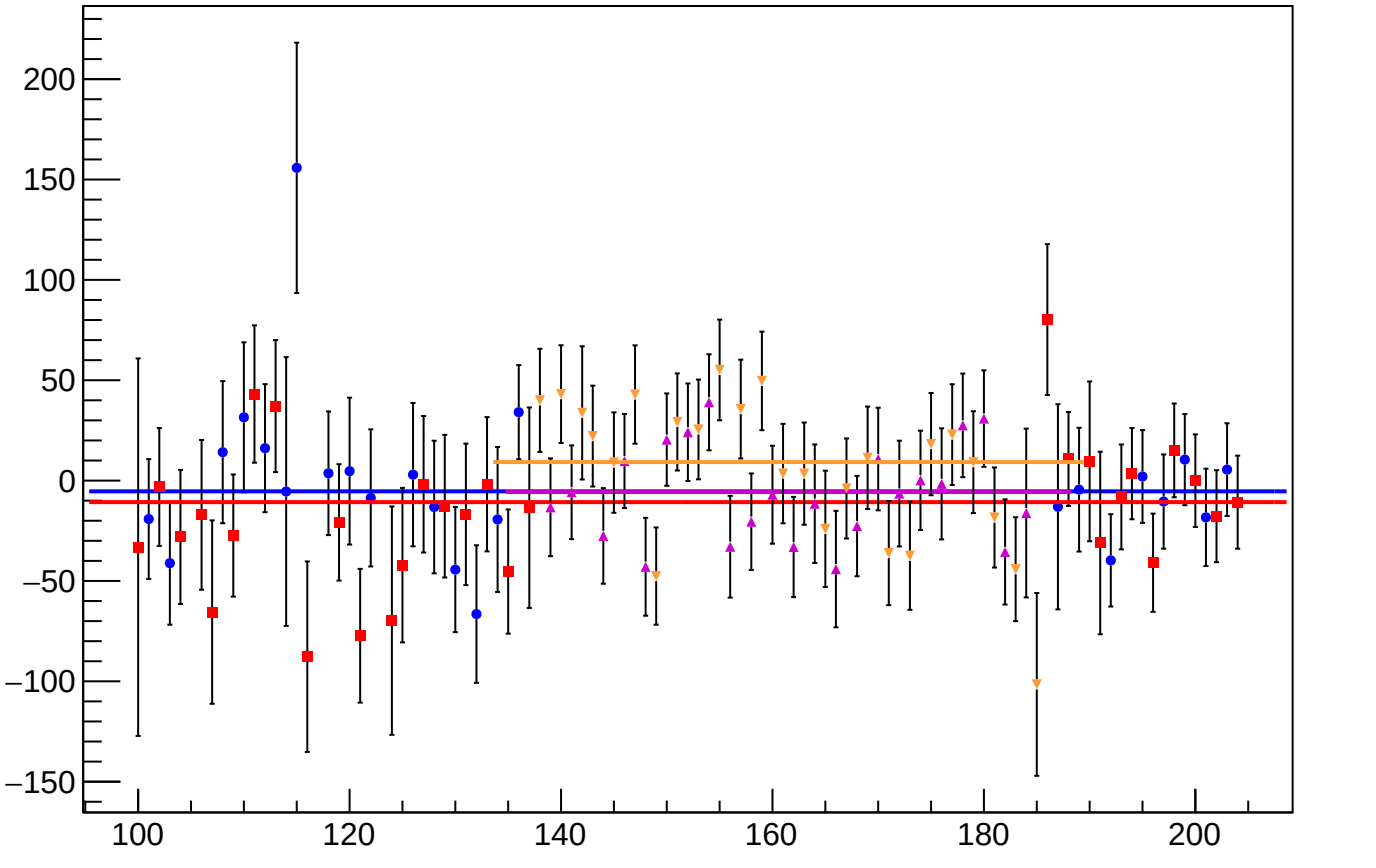
Right Out: 173.416+/-0.033 χ^2/NDF: 2842915.5/29

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

\+ sign 187.351+/-0.024 χ^2/NDF: 4193335.7/48

All: 181.881+/-0.017 χ^2/NDF: 8781868.9/101

\- sign 177.073+/-0.023 χ^2/NDF: 4493109.5/52



Right In: -5.359+/-6.141 χ^2/NDF: 21.4/23

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

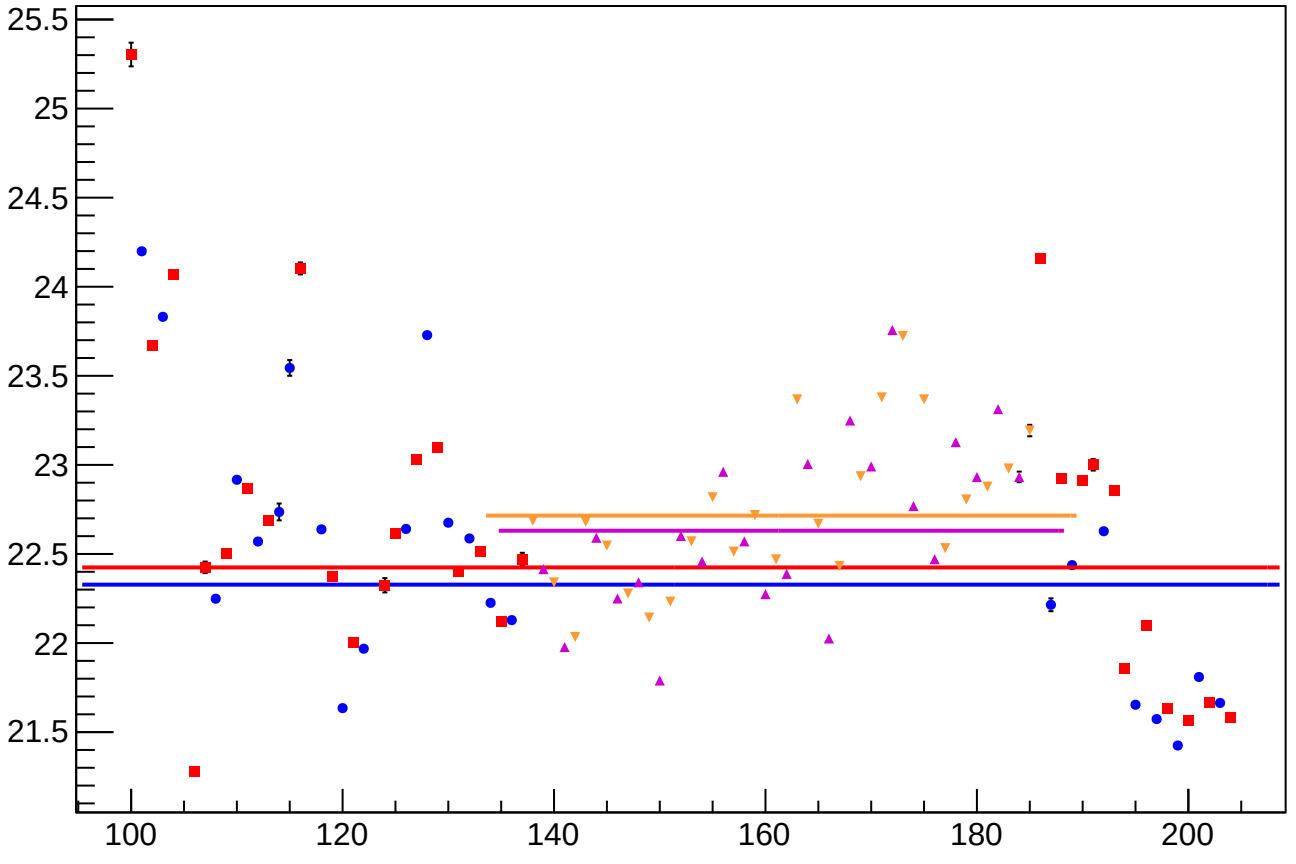
Right Out: -10.728+/-5.703 χ^2/NDF: 27.3/29

Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 3.192+/-3.952 χ^2/NDF: 64.2/48

All: -2.514+/-2.767 χ^2/NDF: 116.7/101

- sign -8.006+/-3.877 χ^2/NDF: 48.5/52



Right In: 22.328+/-0.004 χ^2/NDF: 29423.1/23

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

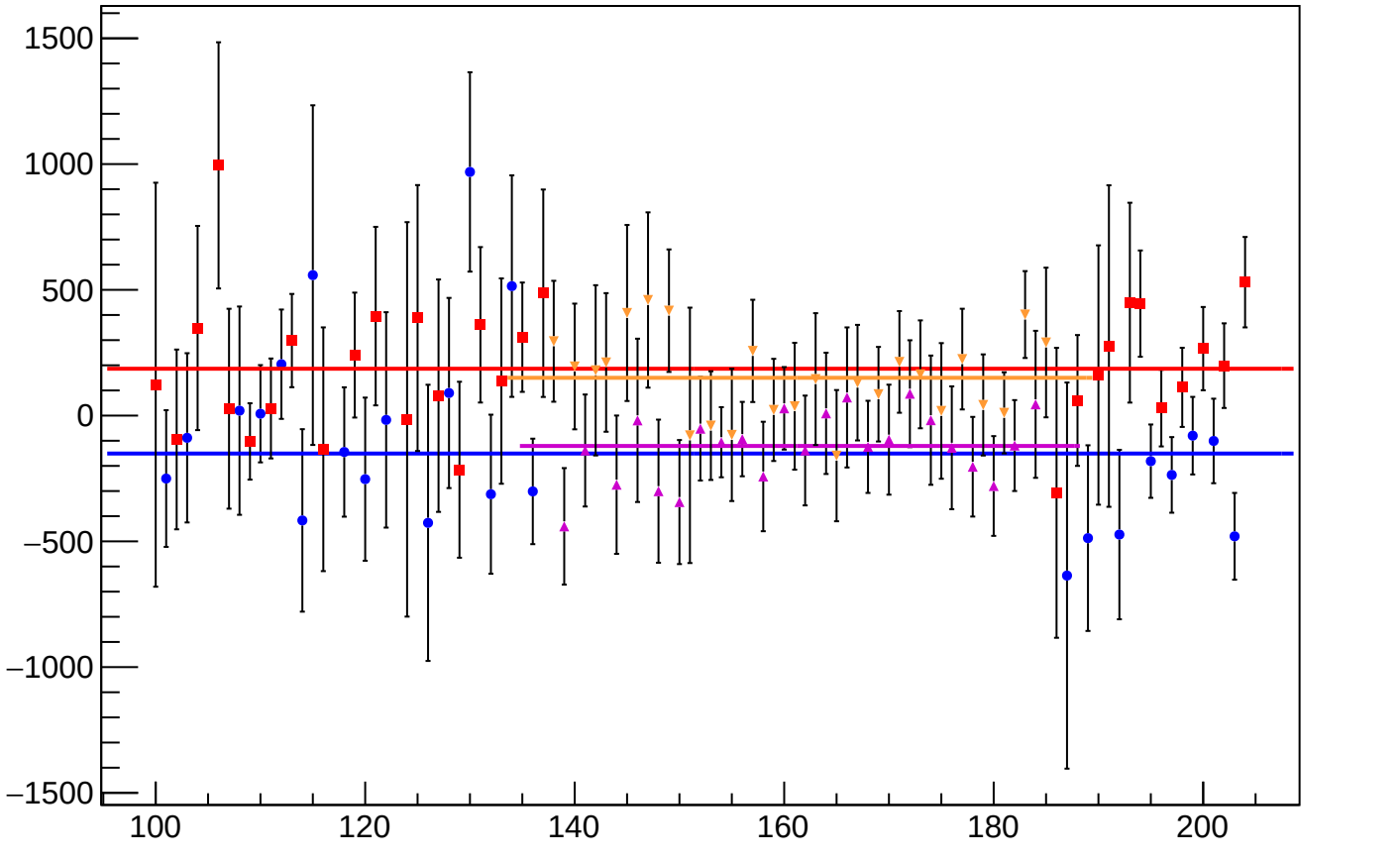
Right Out: 22.424+/-0.004 χ^2/NDF: 34965.1/29

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.555+/-0.003 χ^2/NDF: 46271.7/48

All: 22.545+/-0.002 χ^2/NDF: 98058.5/101

- sign 22.535+/-0.003 χ^2/NDF: 51761.5/52



Right In: -150.855+/-50.587 χ^2/NDF: 23.7/23

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: 186.300+/-46.995 χ^2/NDF: 20.0/29

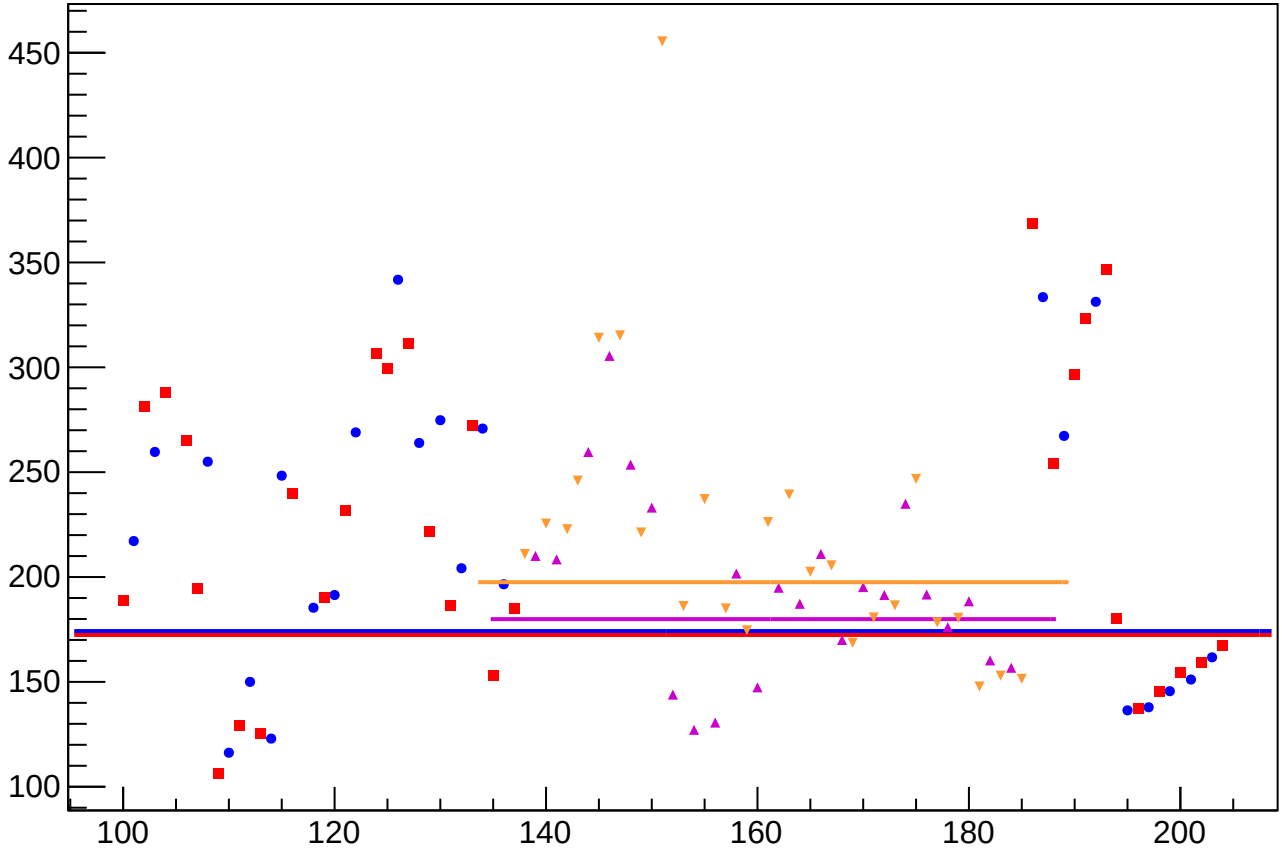
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 12.222+/-34.248 χ^2/NDF: 53.8/48

All: 17.640+/-23.416 χ^2/NDF: 104.6/101

- sign 22.397+/-32.088 χ^2/NDF: 50.7/52

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.230+/-0.036 χ^2/NDF: 2211716.9/23

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

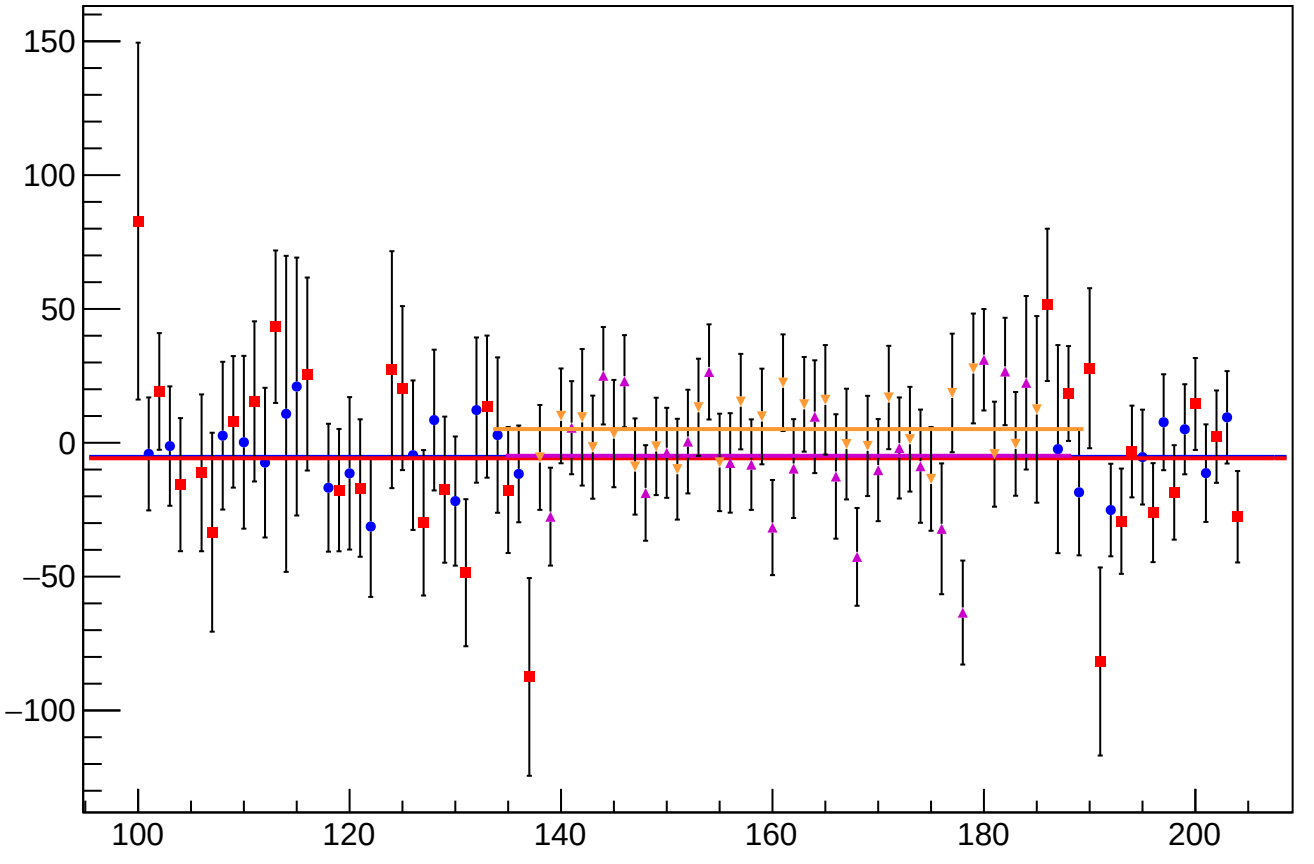
Right Out: 172.374+/-0.033 χ^2/NDF: 2918180.1/29

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 186.853+/-0.024 χ^2/NDF: 4231506.9/48

All: 181.288+/-0.017 χ^2/NDF: 8900514.9/101

- sign 176.404+/-0.023 χ^2/NDF: 4569872.9/52



Right In: -5.269+/-4.713 χ^2/NDF: 6.5/23

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

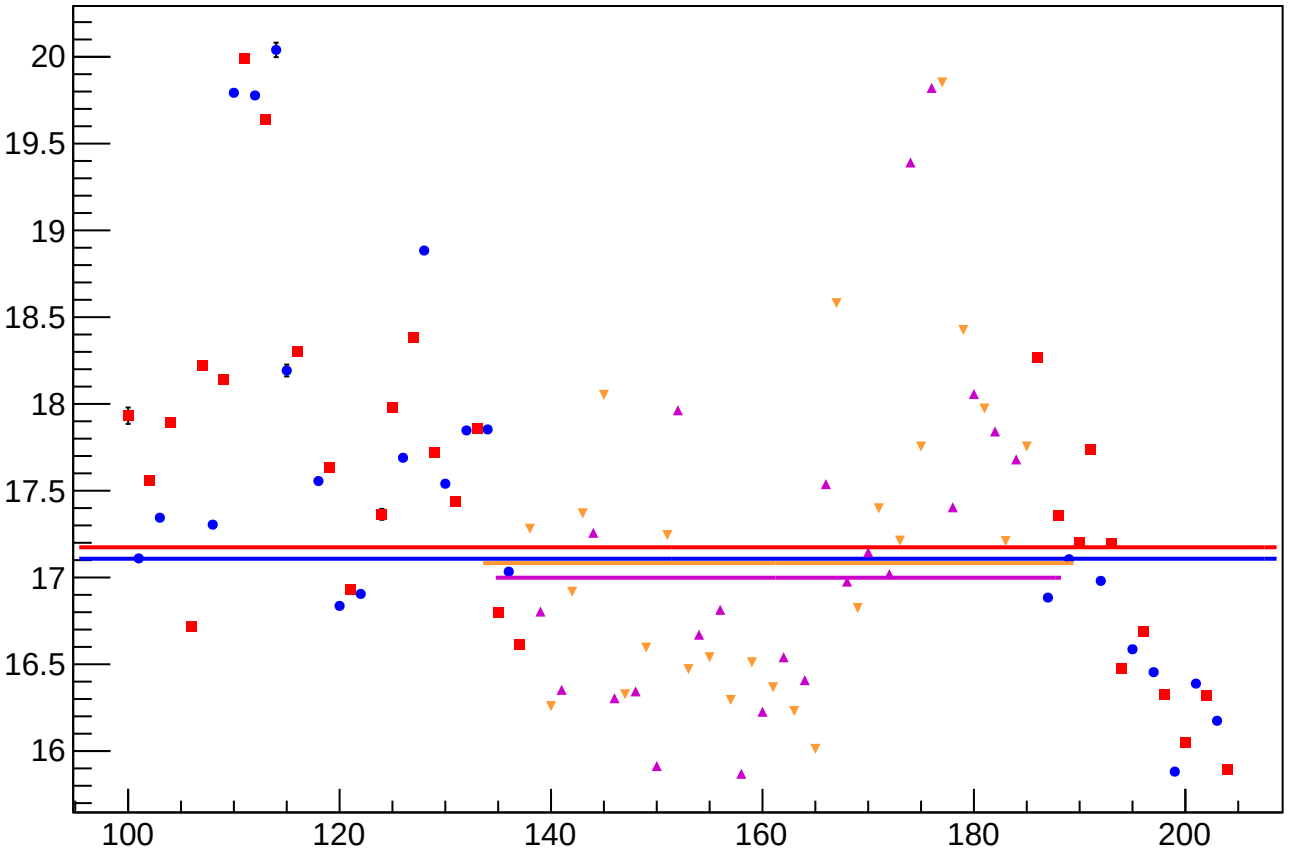
Right Out: -5.787+/-4.375 χ^2/NDF: 37.5/29

Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.910+/-3.000 χ^2/NDF: 17.3/48

All: -2.243+/-2.101 χ^2/NDF: 92.5/101

- sign -5.279+/-2.944 χ^2/NDF: 73.0/52



Right In: 17.108+/-0.003 χ^2/NDF: 76971.1/23

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

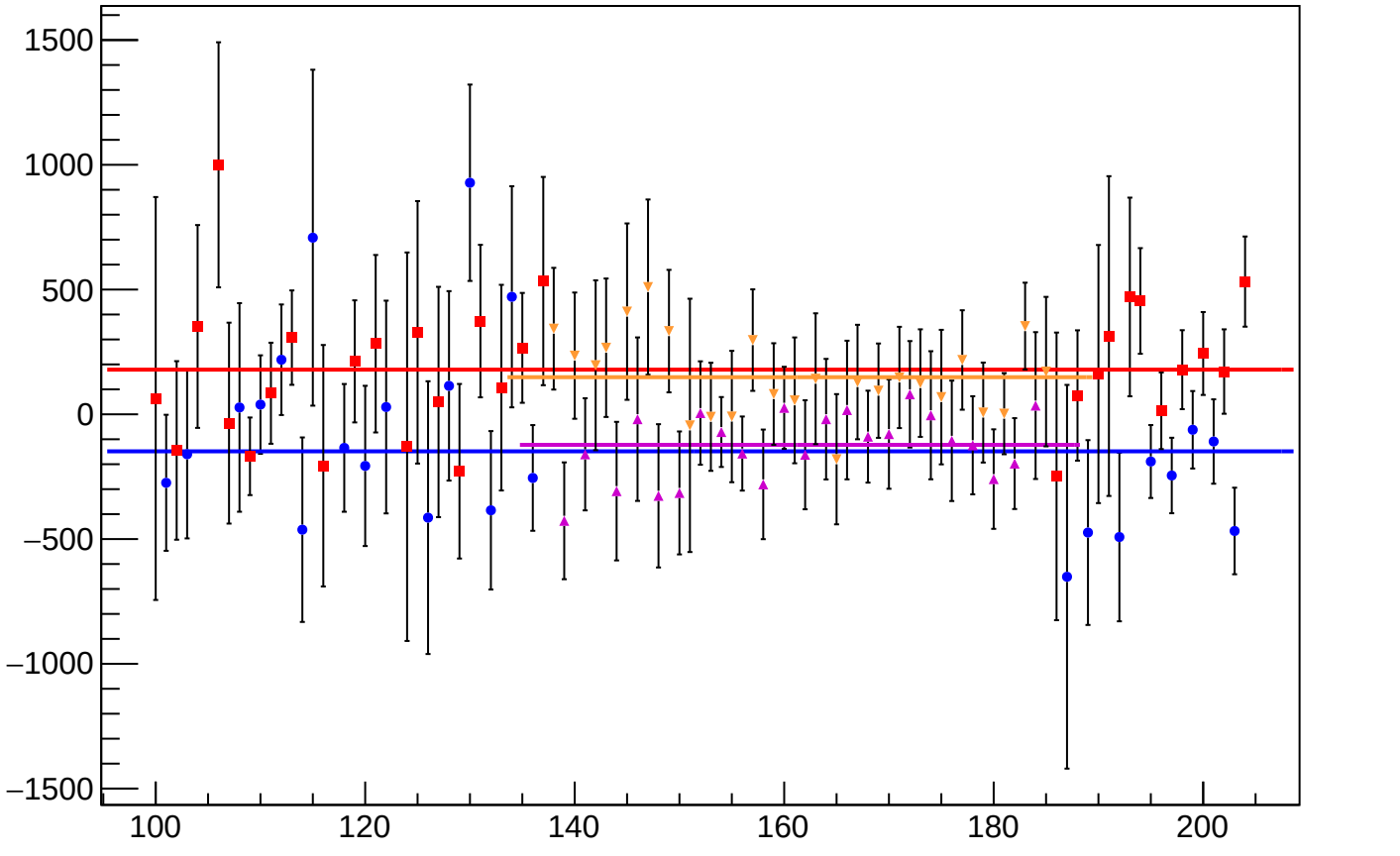
Right Out: 17.174+/-0.003 χ^2/NDF: 89687.5/29

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.093+/-0.002 χ^2/NDF: 173780.1/48

All: 17.085+/-0.001 χ^2/NDF: 369271.9/101

\- sign 17.078+/-0.002 χ^2/NDF: 195466.4/52



Right In: -148.374+/-50.899 χ^2/NDF: 24.0/23

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 178.992+/-47.351 χ^2/NDF: 21.6/29

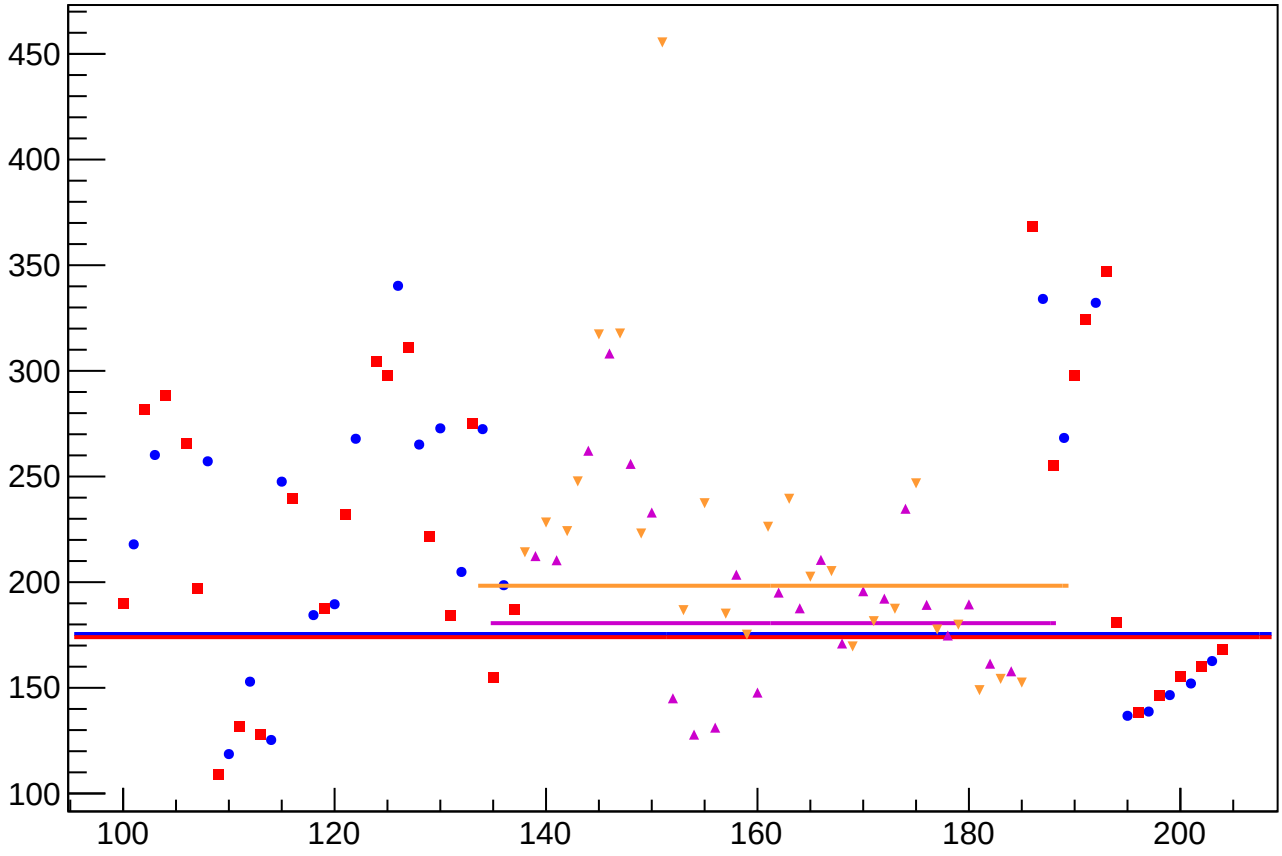
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 12.907+/-34.416 χ^2/NDF: 52.1/48

All: 15.375+/-23.538 χ^2/NDF: 103.2/101

- sign 17.545+/-32.264 χ^2/NDF: 51.2/52

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.467+/-0.036 χ^2/NDF: 2167687.6/23

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

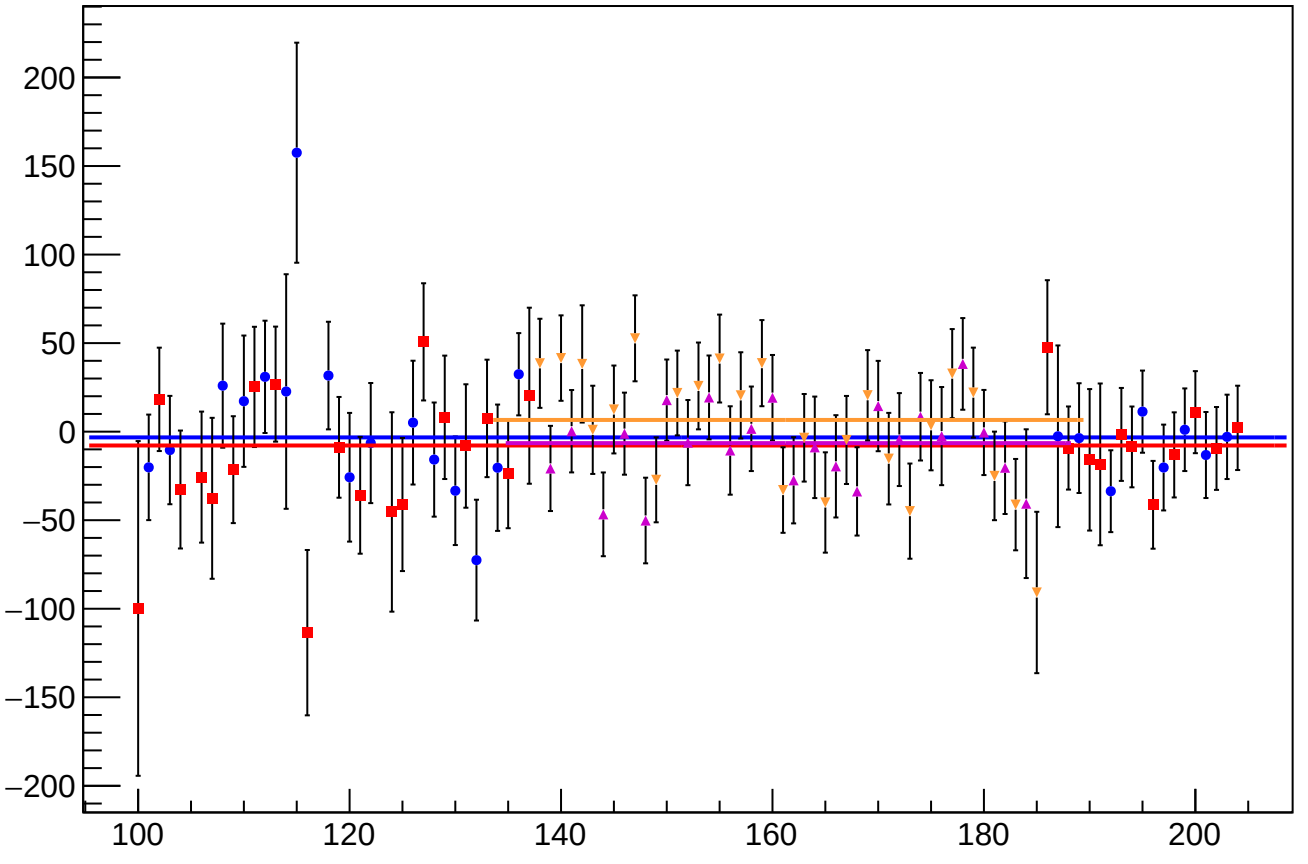
Right Out: 173.980+/-0.033 χ^2/NDF: 2825354.1/29

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

\+ sign 187.868+/-0.024 χ^2/NDF: 4176683.2/48

All: 182.364+/-0.017 χ^2/NDF: 8747151.9/101

\- sign 177.527+/-0.023 χ^2/NDF: 4474375.9/52



Right In: -3.245+/-6.152 χ^2/NDF: 21.8/23

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: -7.815+/-5.709 χ^2/NDF: 21.5/29

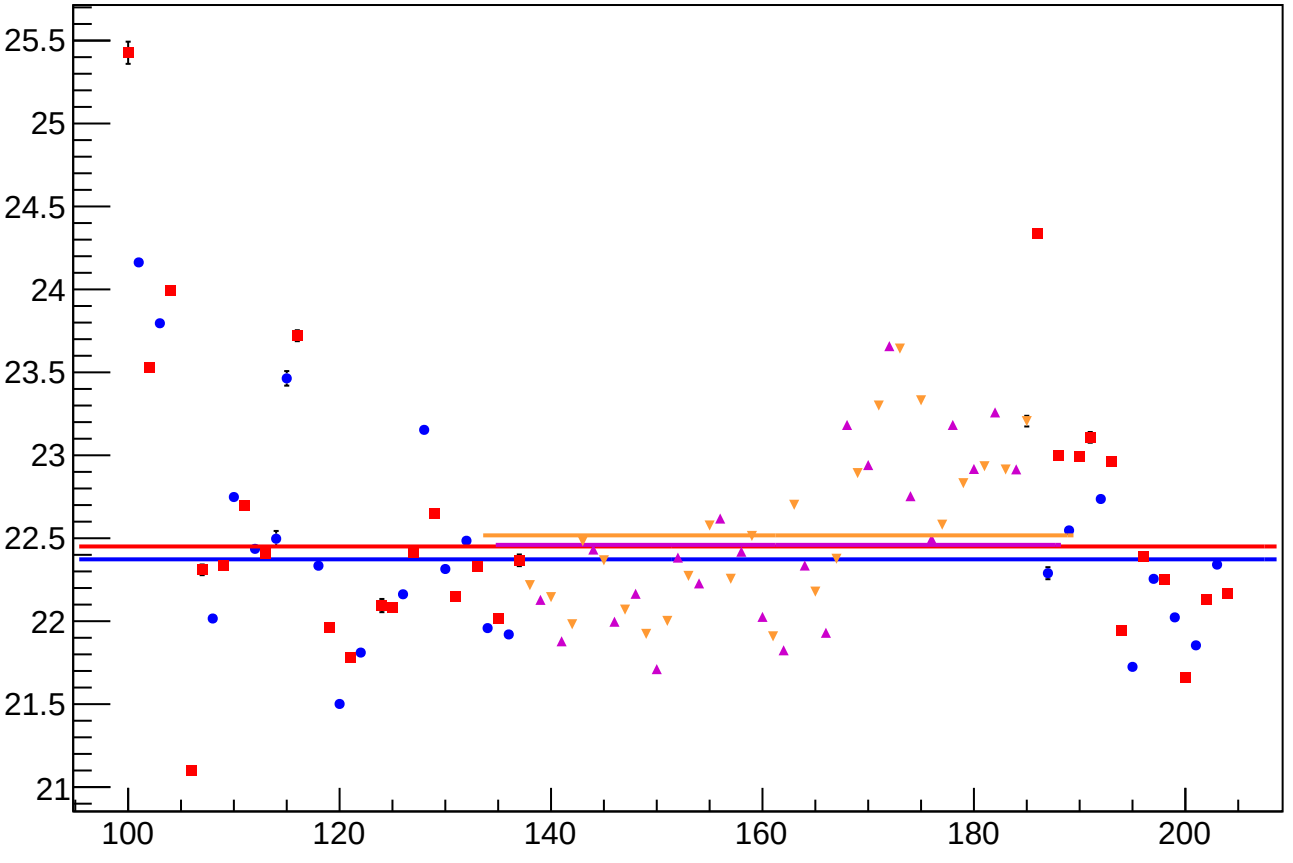
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 2.581+/-3.934 χ^2/NDF: 60.2/48

All: -2.344+/-2.756 χ^2/NDF: 102.3/101

- sign -7.092+/-3.863 χ^2/NDF: 39.0/52

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.373+/-0.004 χ^2/NDF: 20132.5/23

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.450+/-0.004 χ^2/NDF: 27369.7/29

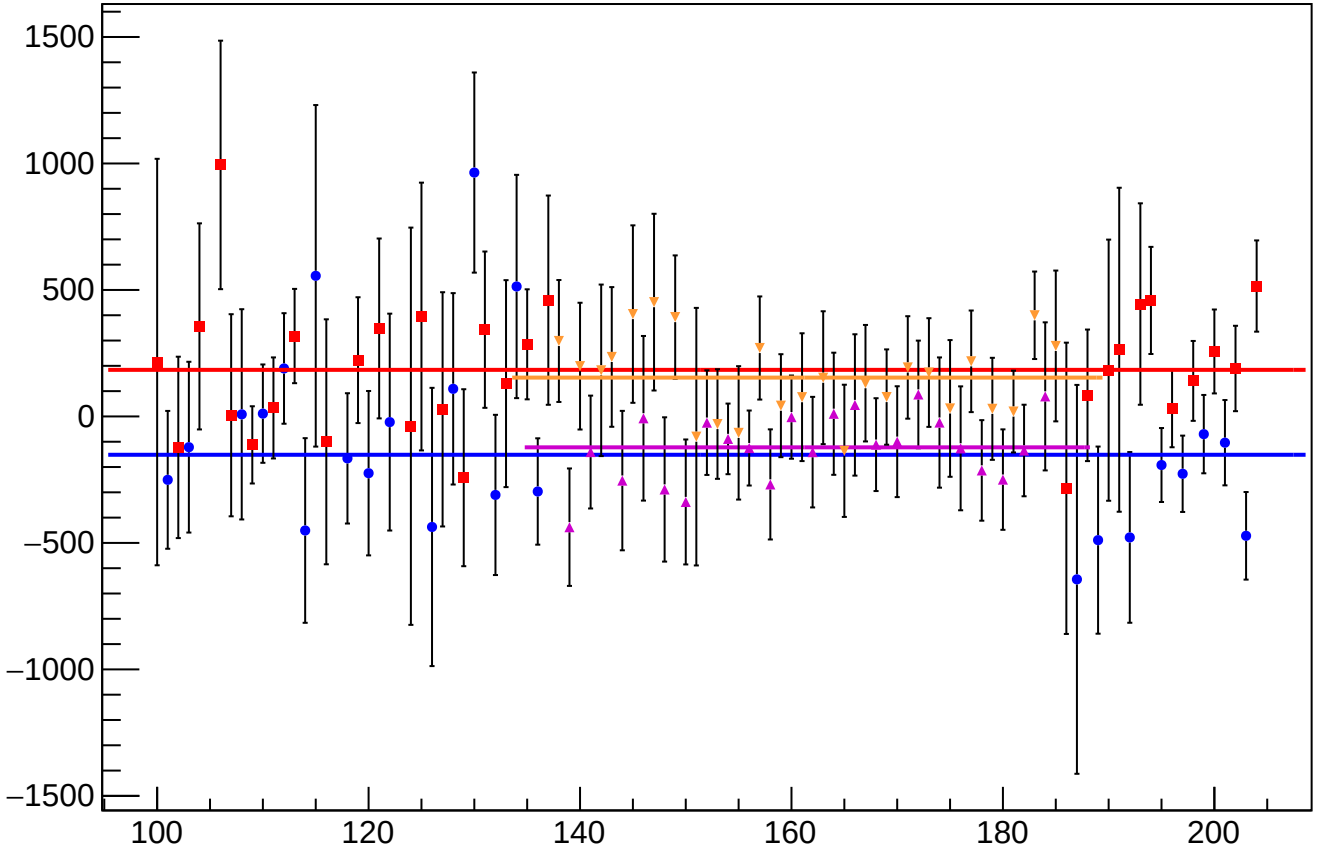
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.458+/-0.003 χ^2/NDF: 36787.3/48

All: 22.457+/-0.002 χ^2/NDF: 83277.8/101

- sign 22.456+/-0.003 χ^2/NDF: 46490.0/52

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -151.570+/-50.750 χ^2/NDF: 23.3/23

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

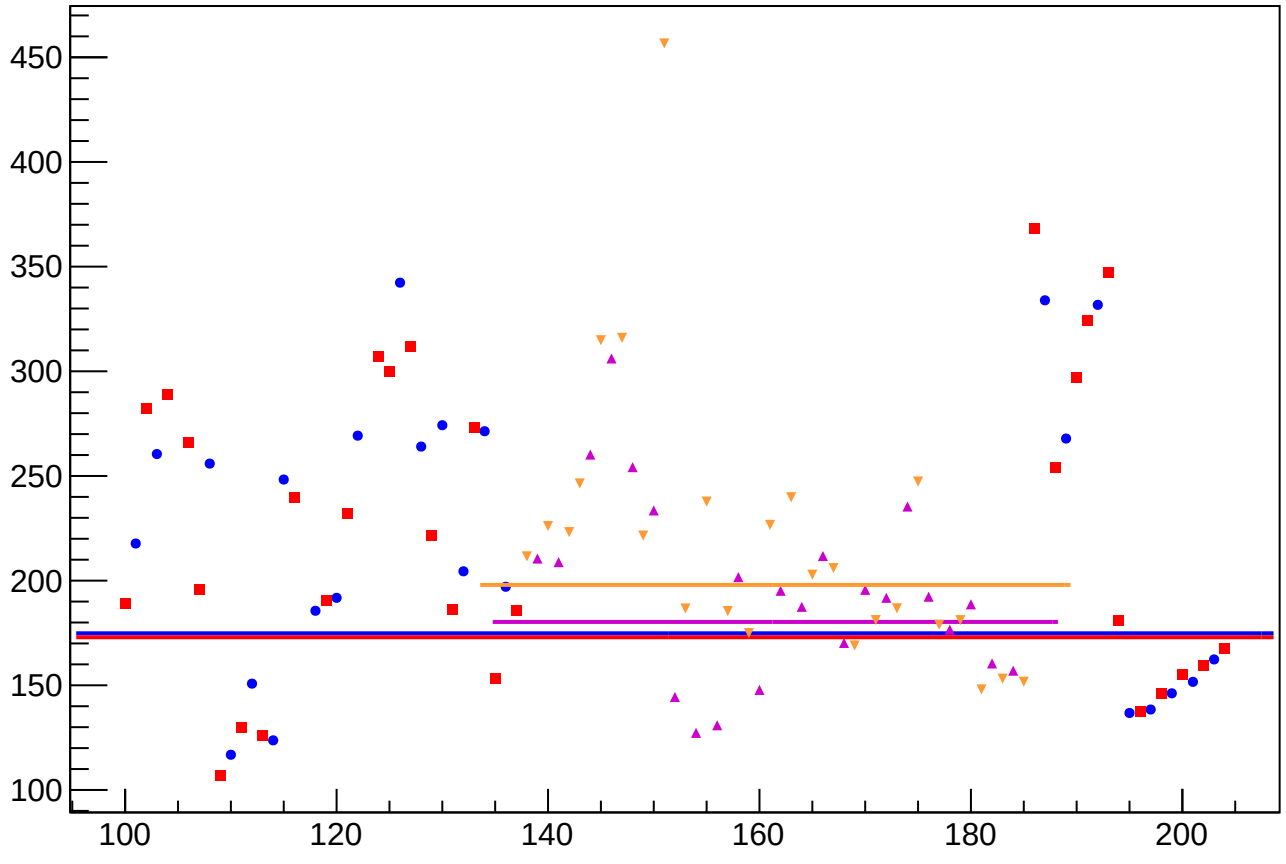
Right Out: 184.131+/-47.135 χ^2/NDF: 19.6/29

Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 13.833+/-34.339 χ^2/NDF: 53.0/48

All: 17.373+/-23.476 χ^2/NDF: 102.7/101

- sign 20.479+/-32.166 χ^2/NDF: 49.7/52



Right In: 174.839+/-0.036 χ^2/NDF: 2197765.7/23

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

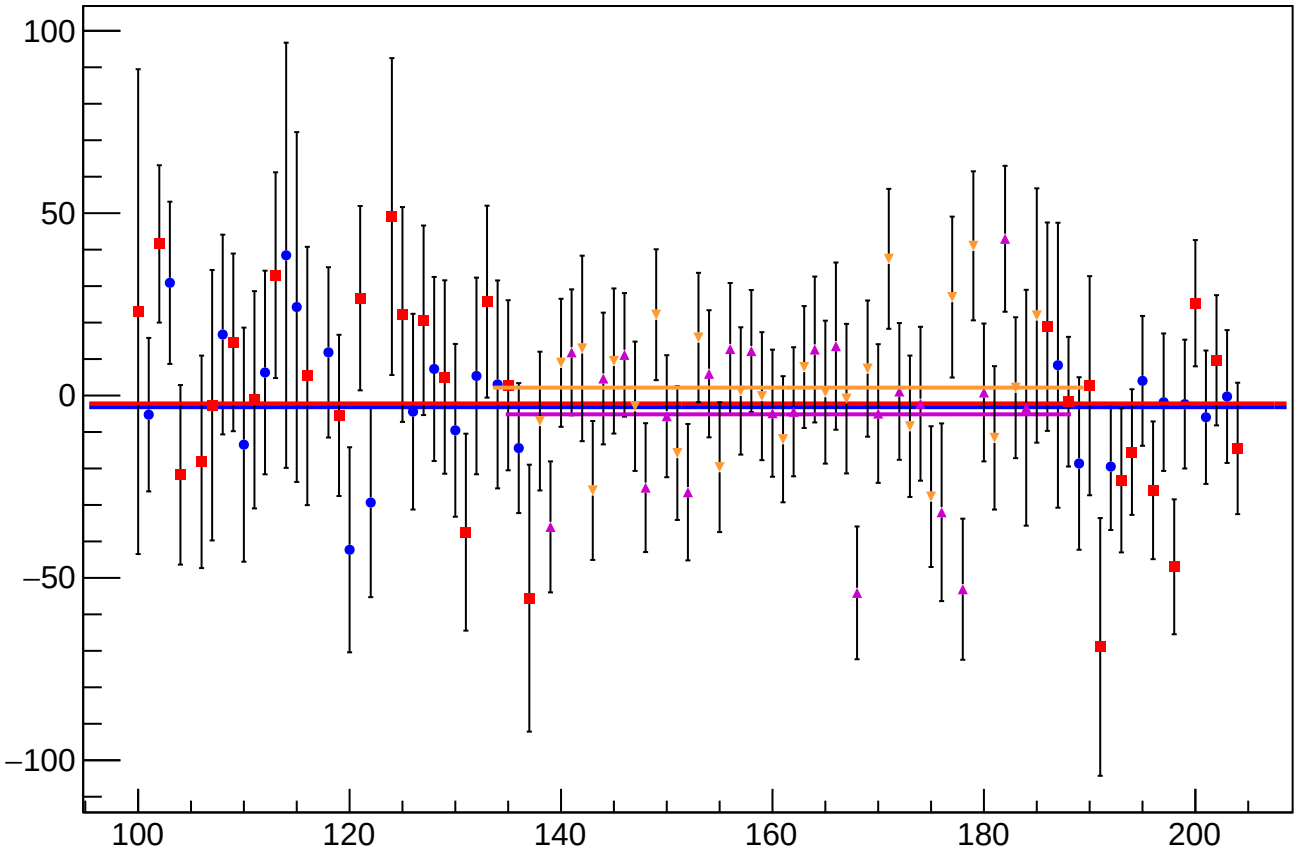
Right Out: 172.947+/-0.033 χ^2/NDF: 2899707.4/29

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 187.373+/-0.024 χ^2/NDF: 4214130.4/48

All: 181.774+/-0.017 χ^2/NDF: 8864159.0/101

- sign 176.862+/-0.023 χ^2/NDF: 4550215.7/52



Right In: -3.191+/-4.735 χ^2/NDF: 9.7/23

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

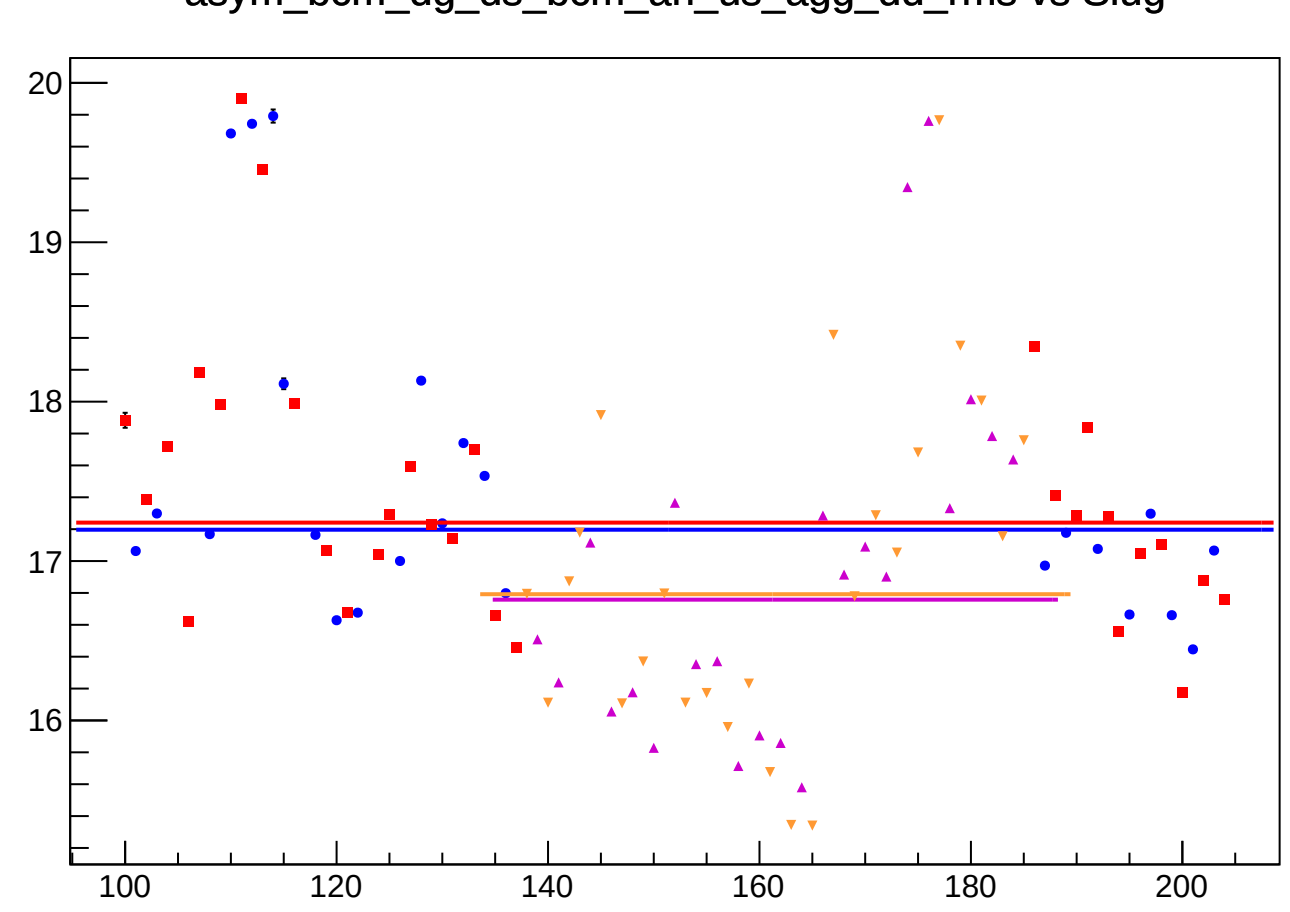
Right Out: -2.164+/-4.389 χ^2/NDF: 33.3/29

Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.055+/-2.975 χ^2/NDF: 30.5/48

All: -1.917+/-2.086 χ^2/NDF: 97.1/101

- sign -3.824+/-2.925 χ^2/NDF: 65.8/52



Right In: 17.197+/-0.003 χ^2/NDF: 47363.8/23

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

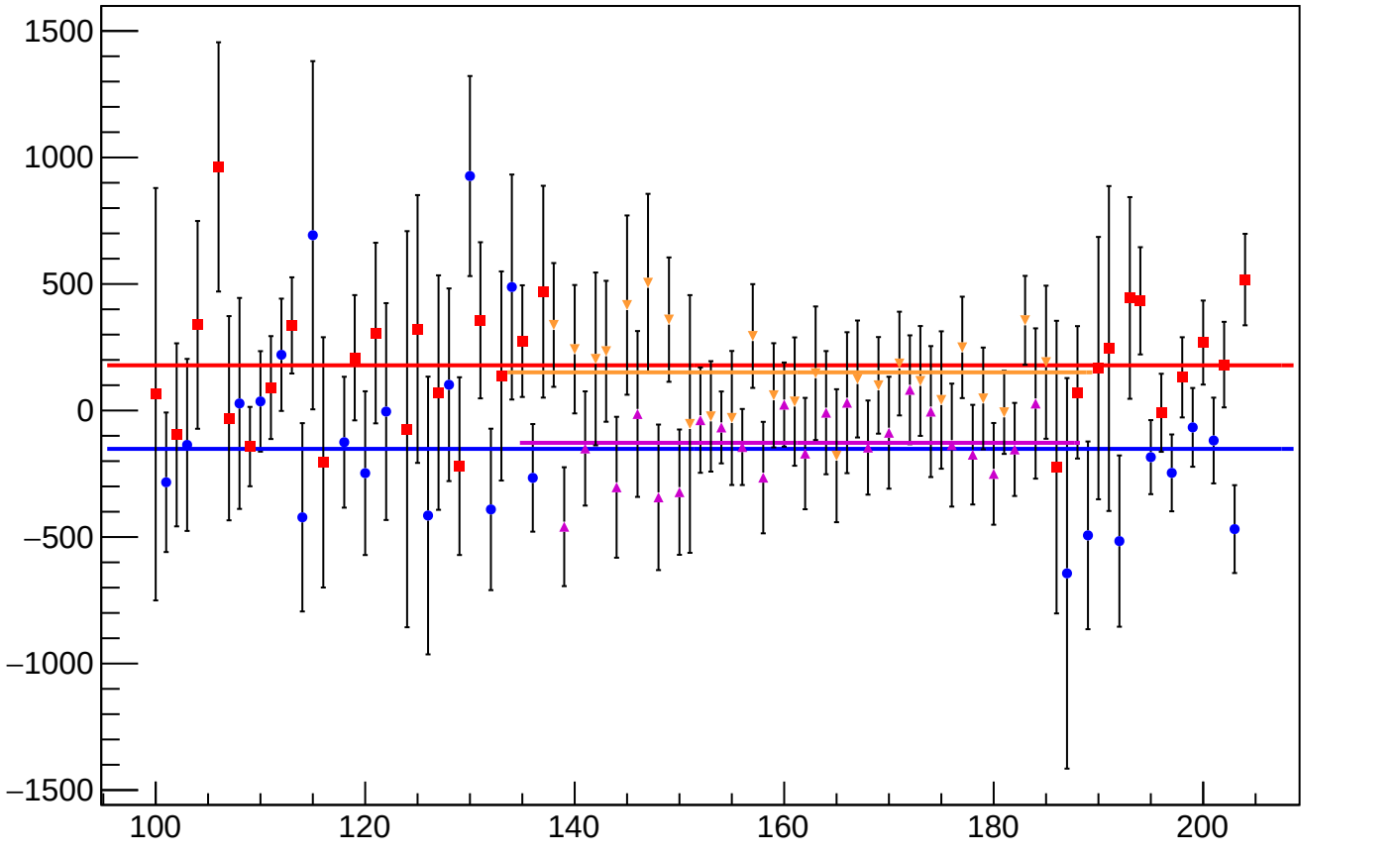
Right Out: 17.241+/-0.003 χ^2/NDF: 55721.1/29

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.952+/-0.002 χ^2/NDF: 193204.7/48

All: 16.962+/-0.001 χ^2/NDF: 385763.8/101

- sign 16.973+/-0.002 χ^2/NDF: 192509.6/52



Right In: -151.619+/-51.085 χ^2/NDF: 23.9/23

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

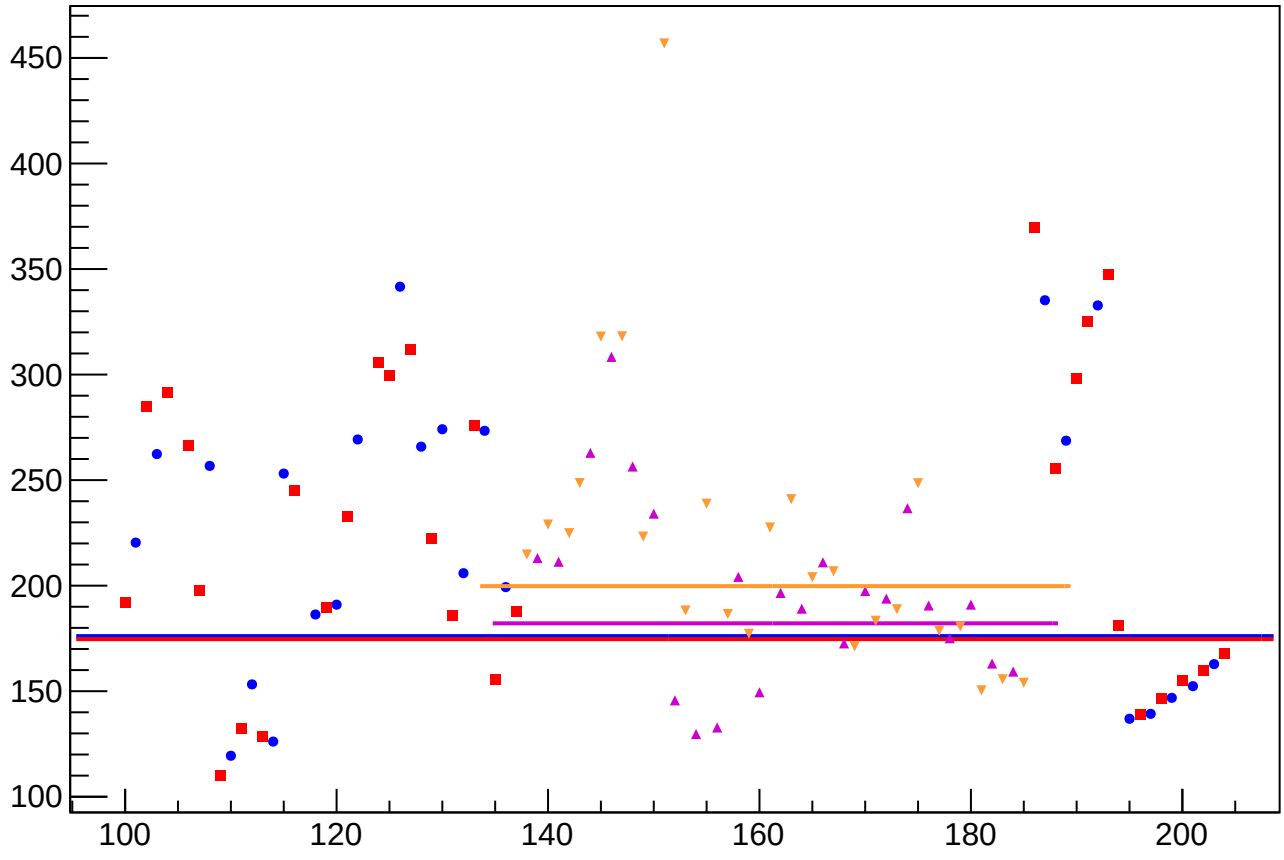
Right Out: 178.655+/-47.527 χ^2/NDF: 19.8/29

Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

\+ sign 12.097+/-34.602 χ^2/NDF: 52.9/48

All: 13.723+/-23.672 χ^2/NDF: 102.7/101

\- sign 15.154+/-32.455 χ^2/NDF: 49.8/52



Right In: 176.092+/-0.036 χ^2/NDF: 2176141.6/23

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

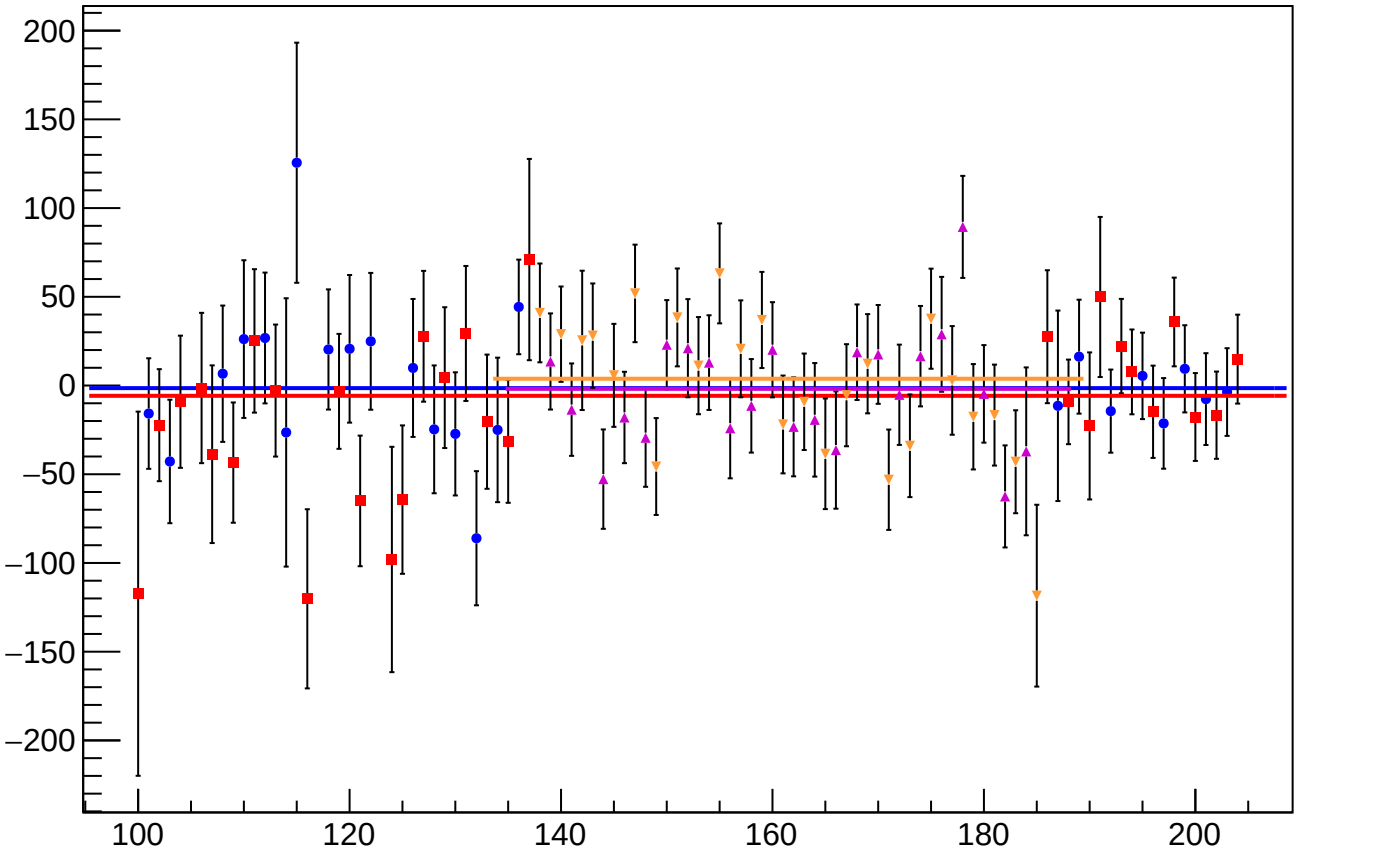
Right Out: 174.653+/-0.034 χ^2/NDF: 2827521.3/29

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 188.915+/-0.024 χ^2/NDF: 4169298.5/48

All: 183.456+/-0.017 χ^2/NDF: 8701285.3/101

- sign 178.654+/-0.023 χ^2/NDF: 4438436.0/52



Right In: -1.469+/-6.680 χ^2/NDF: 18.4/23

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

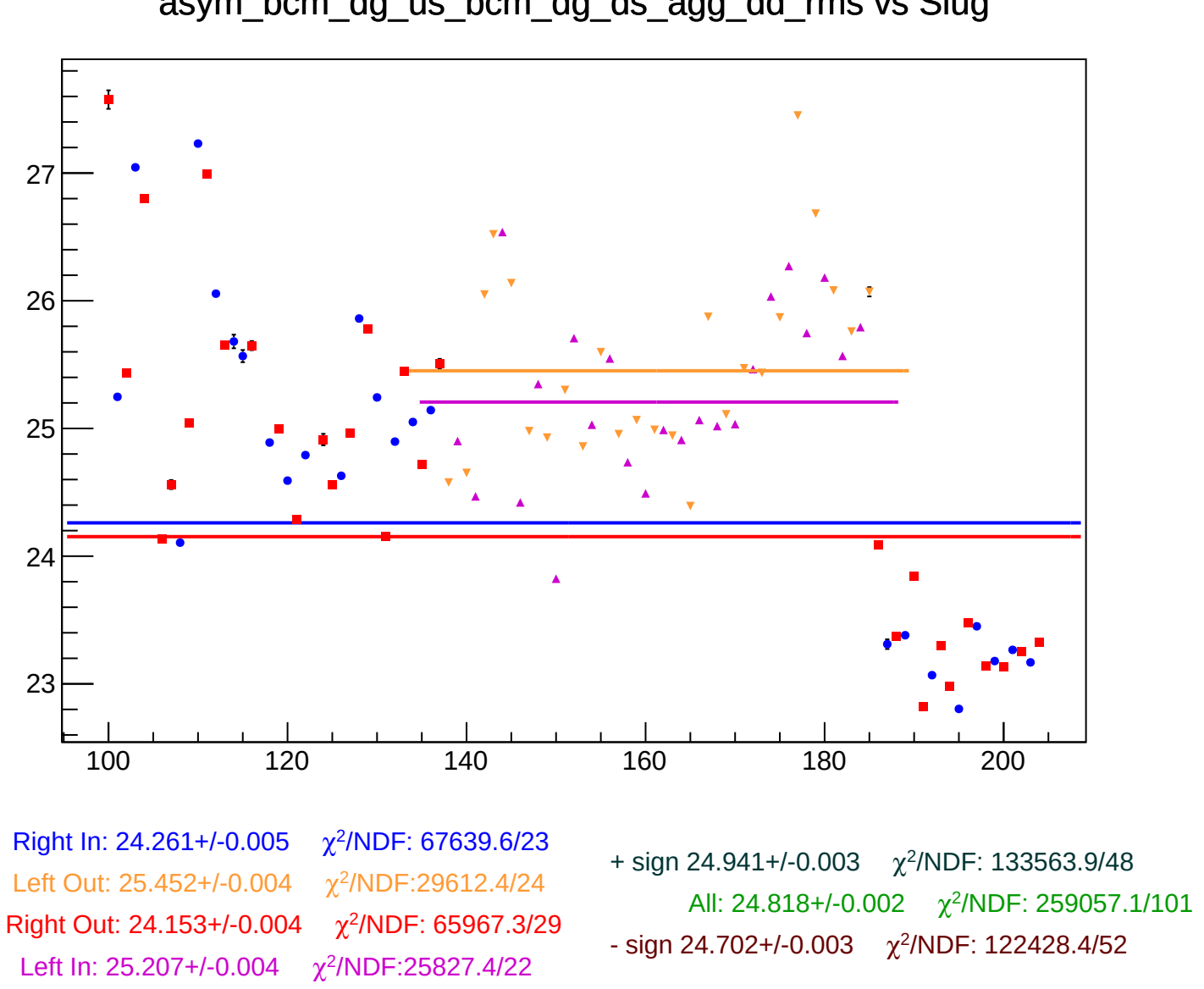
Right Out: -5.791+/-6.148 χ^2/NDF: 27.7/29

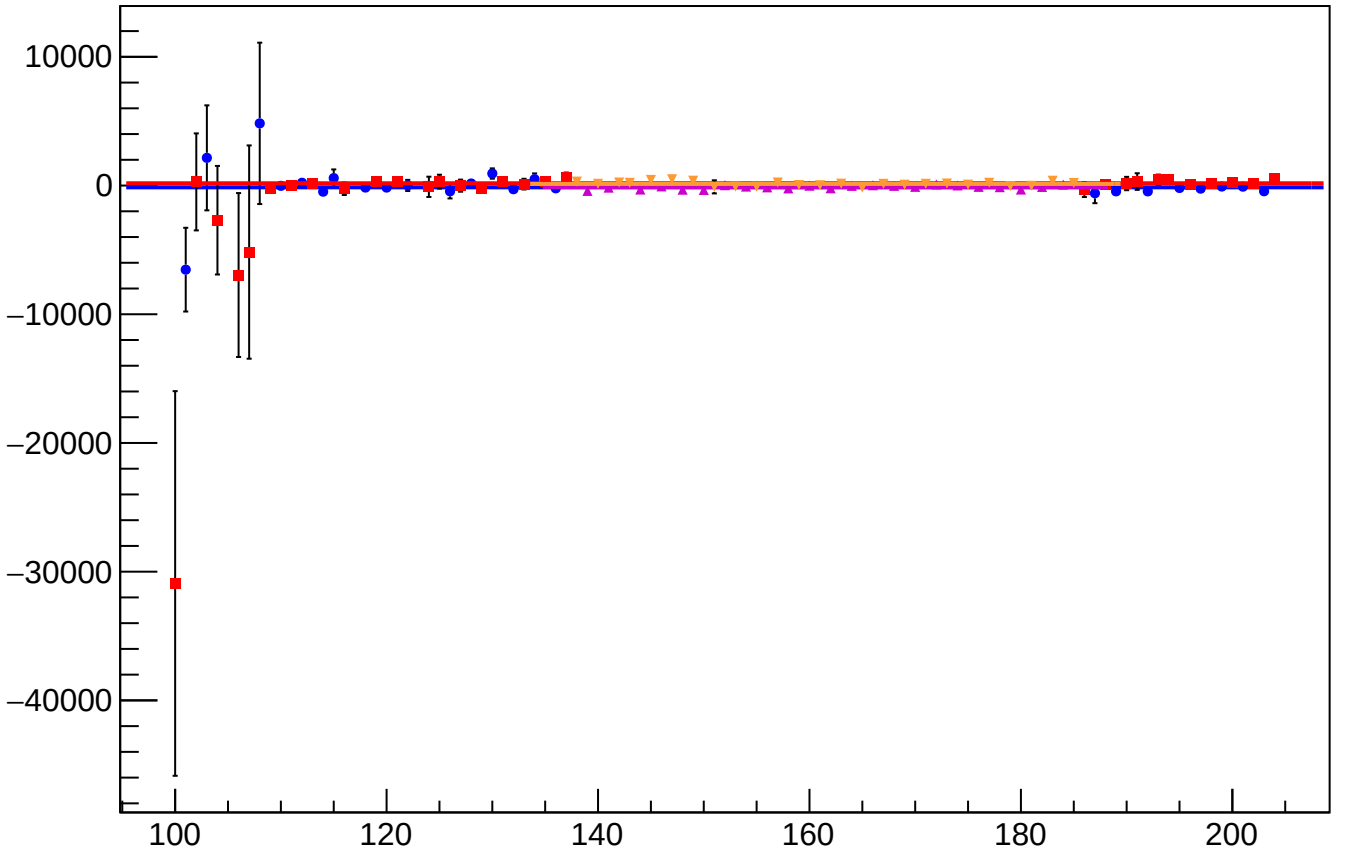
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.558+/-4.375 χ^2/NDF: 56.4/48

All: -1.164+/-3.050 χ^2/NDF: 113.1/101

- sign -3.737+/-4.254 χ^2/NDF: 56.0/52


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug
27
26
25
24
23
100
120
140
160
180
200
Right In: 24.261+/-0.005 χ²/NDF: 67639.6/23
Left Out: 25.452+/-0.004 χ²/NDF:29612.4/24
Right Out: 24.153+/-0.004 χ²/NDF: 65967.3/29
Left In: 25.207+/-0.004 χ²/NDF:25827.4/22
+ sign 24.941+/-0.003 χ²/NDF: 133563.9/48
All: 24.818+/-0.002 χ²/NDF: 259057.1/101
- sign 24.702+/-0.003 χ²/NDF: 122428.4/52



Right In: -139.585+/-53.924 χ^2/NDF: 26.0/23

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: 177.037+/-50.725 χ^2/NDF: 21.6/29

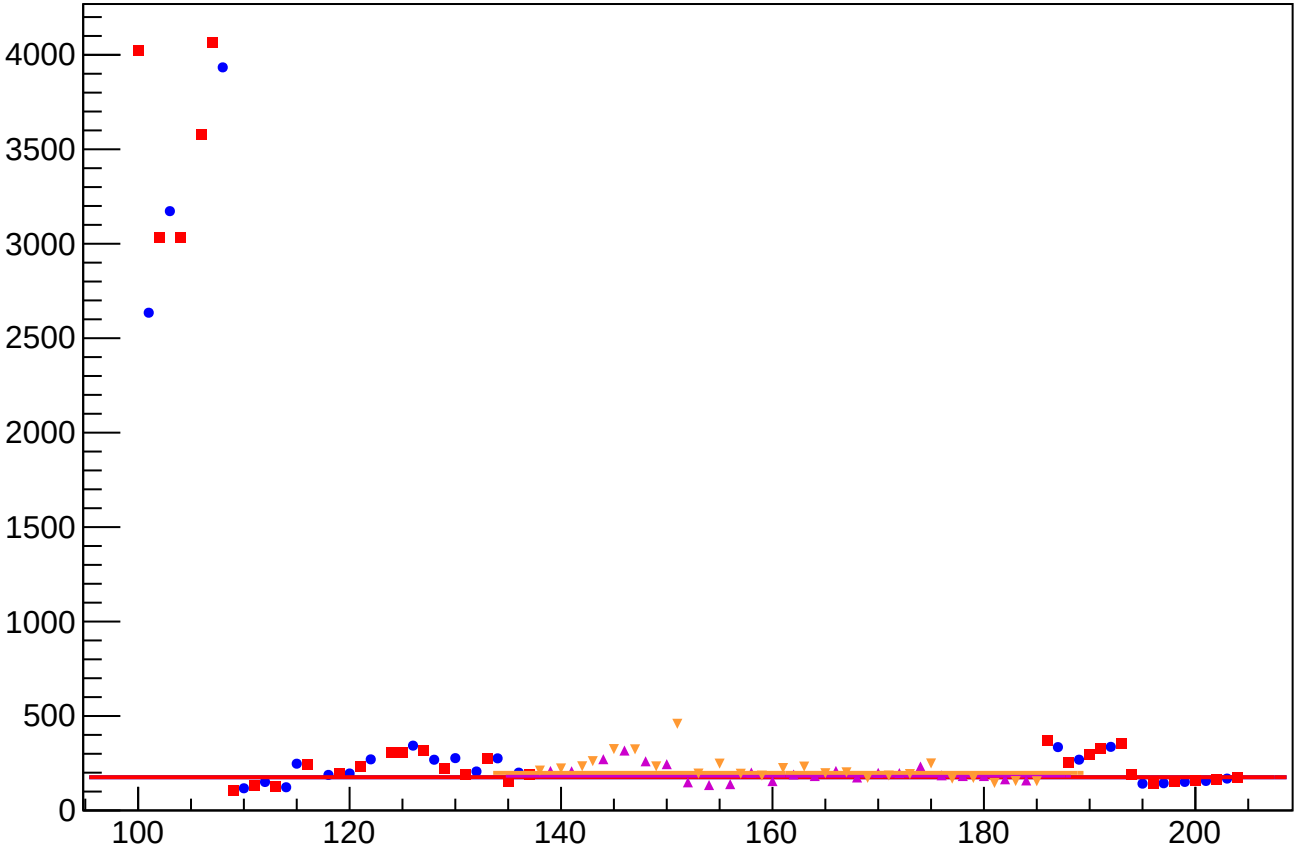
Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign 11.073+/-35.399 χ^2/NDF: 50.8/48

All: 11.517+/-24.373 χ^2/NDF: 99.3/101

- sign 11.917+/-33.609 χ^2/NDF: 48.5/52

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.650+/-0.038 χ^2/NDF: 4802403.8/23

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

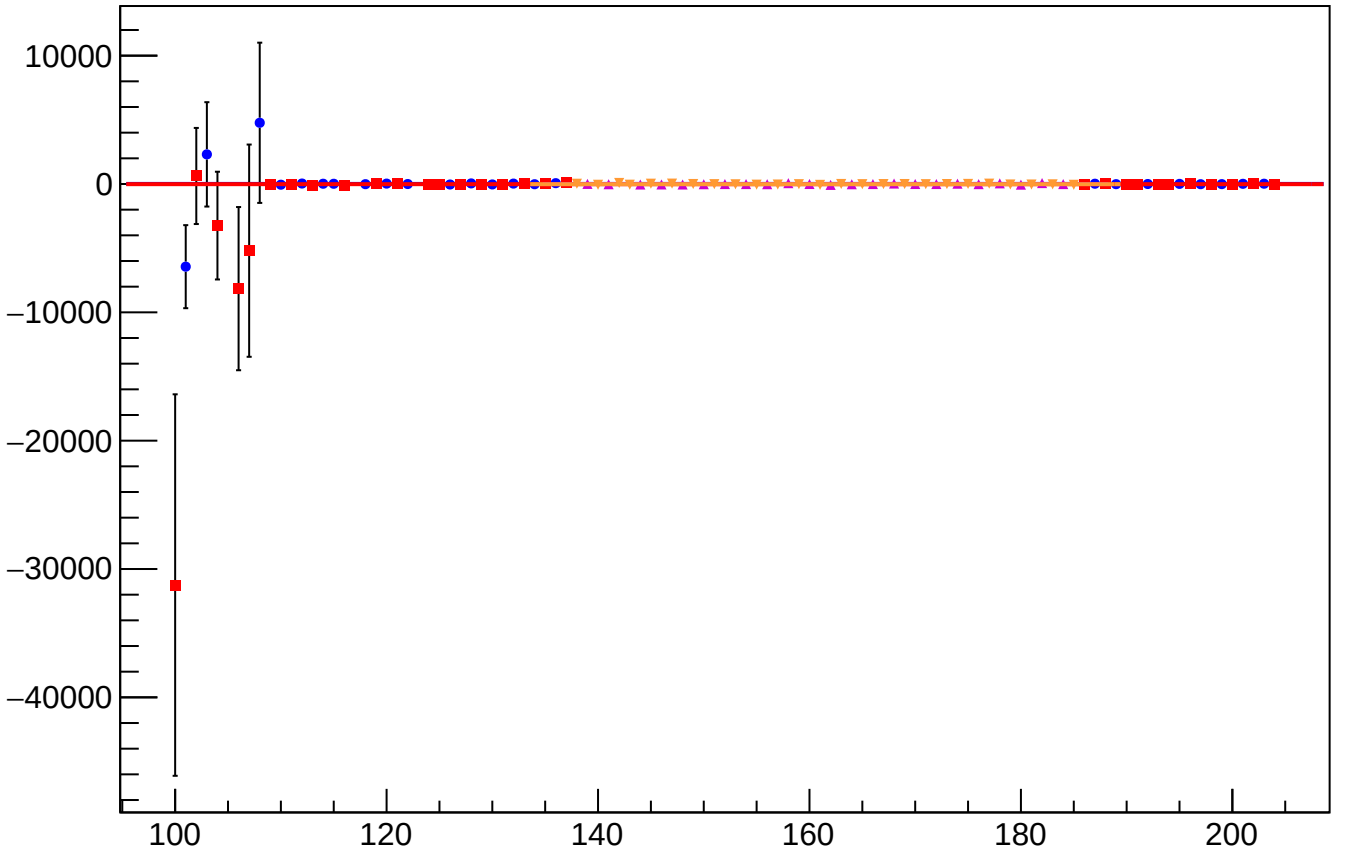
Right Out: 175.976+/-0.036 χ^2/NDF: 5482377.7/29

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 188.934+/-0.025 χ^2/NDF: 6917848.2/48

All: 184.604+/-0.017 χ^2/NDF: 13934358.4/10

- sign 180.701+/-0.024 χ^2/NDF: 6959616.0/52



Right In: 5.749+/-8.097 χ^2/NDF: 17.7/23

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -12.572+/-7.531 χ^2/NDF: 29.4/29

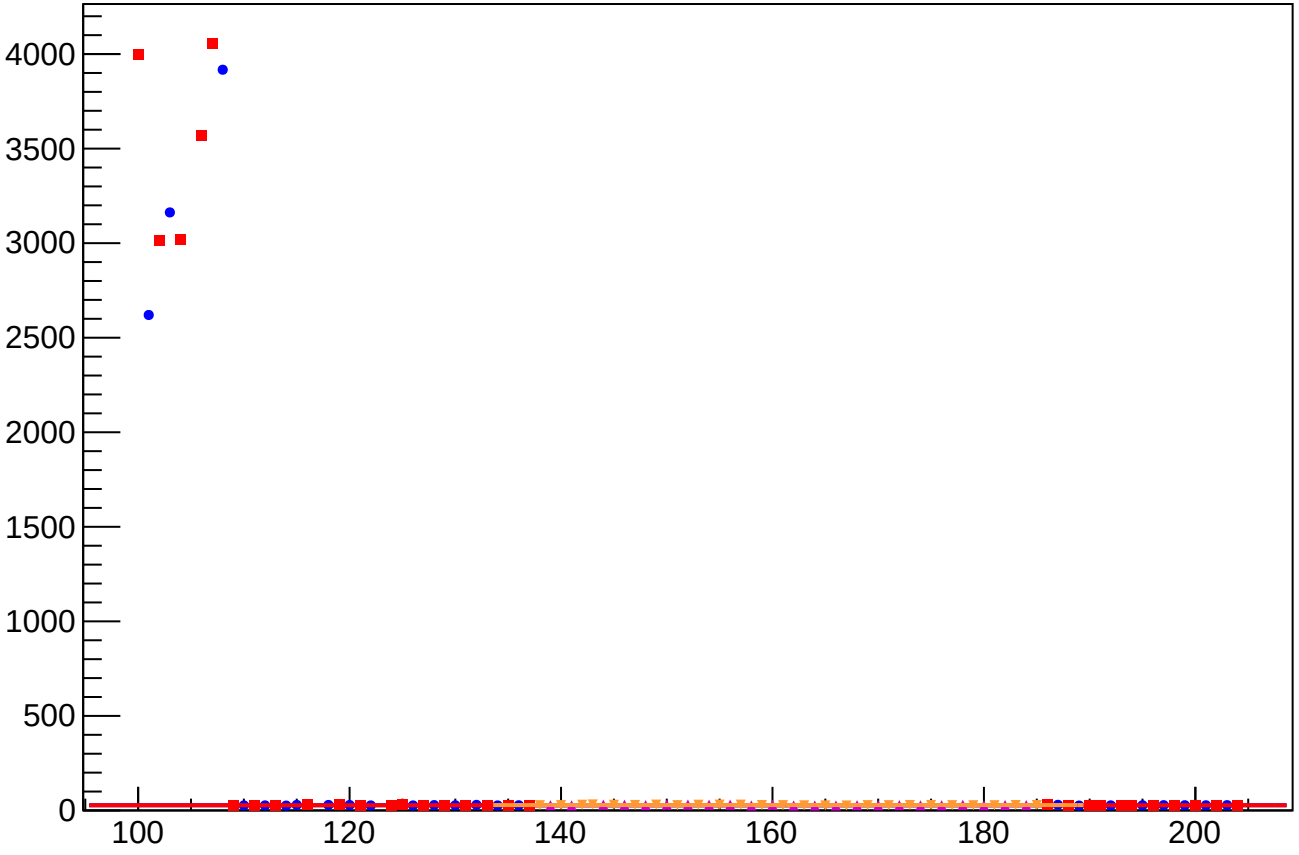
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

\+ sign -6.746+/-5.074 χ^2/NDF: 43.8/48

All: -6.758+/-3.564 χ^2/NDF: 102.6/101

\- sign -6.769+/-5.007 χ^2/NDF: 58.8/52

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.546+/-0.006 χ^2/NDF: 3274427.7/23

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.521+/-0.005 χ^2/NDF: 3583579.3/29

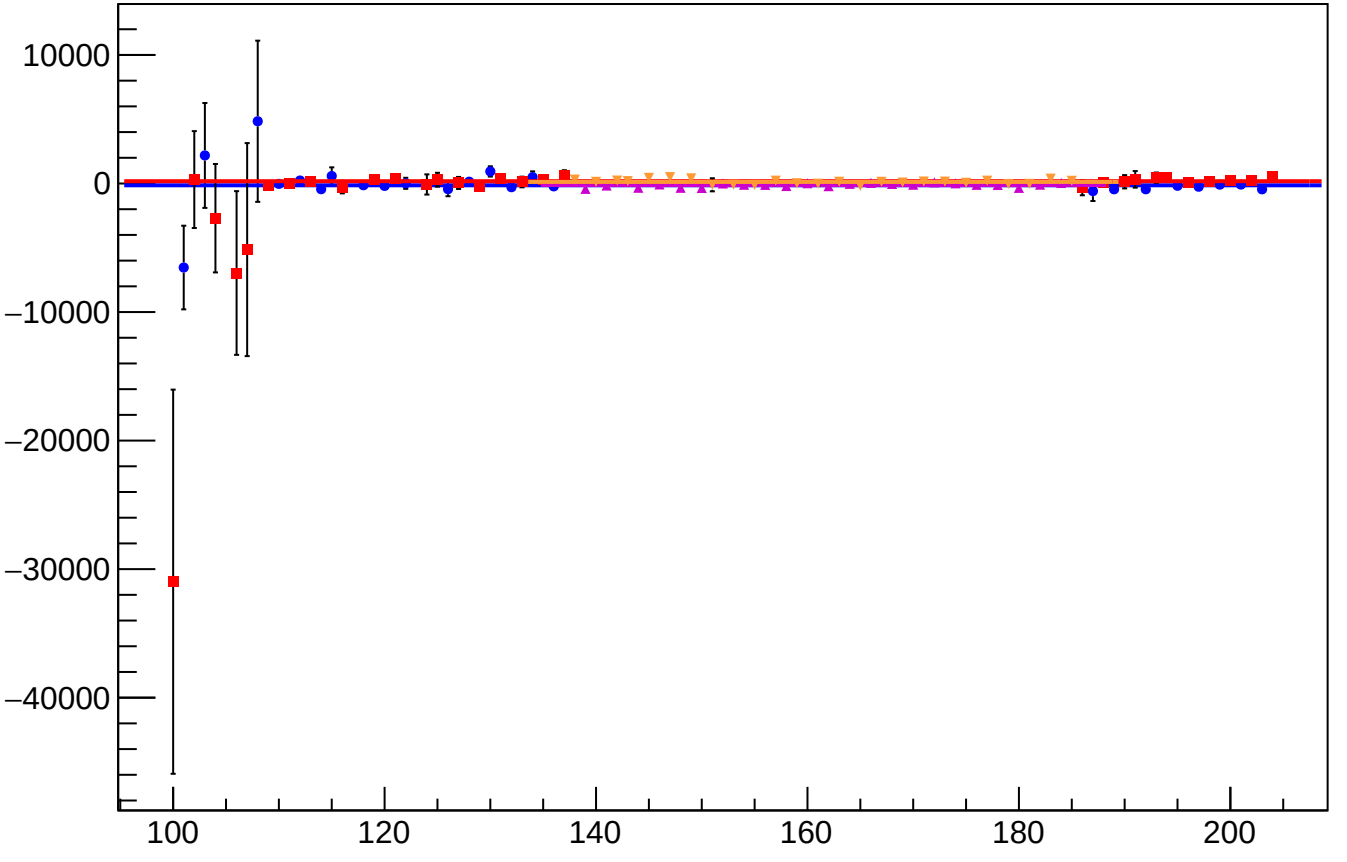
Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.177+/-0.004 χ^2/NDF: 3382575.8/48

All: 28.151+/-0.003 χ^2/NDF: 7112363.1/101

- sign 28.126+/-0.004 χ^2/NDF: 3729683.4/52

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -139.632+/-53.758 χ^2/NDF: 26.2/23

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: 178.956+/-50.586 χ^2/NDF: 22.3/29

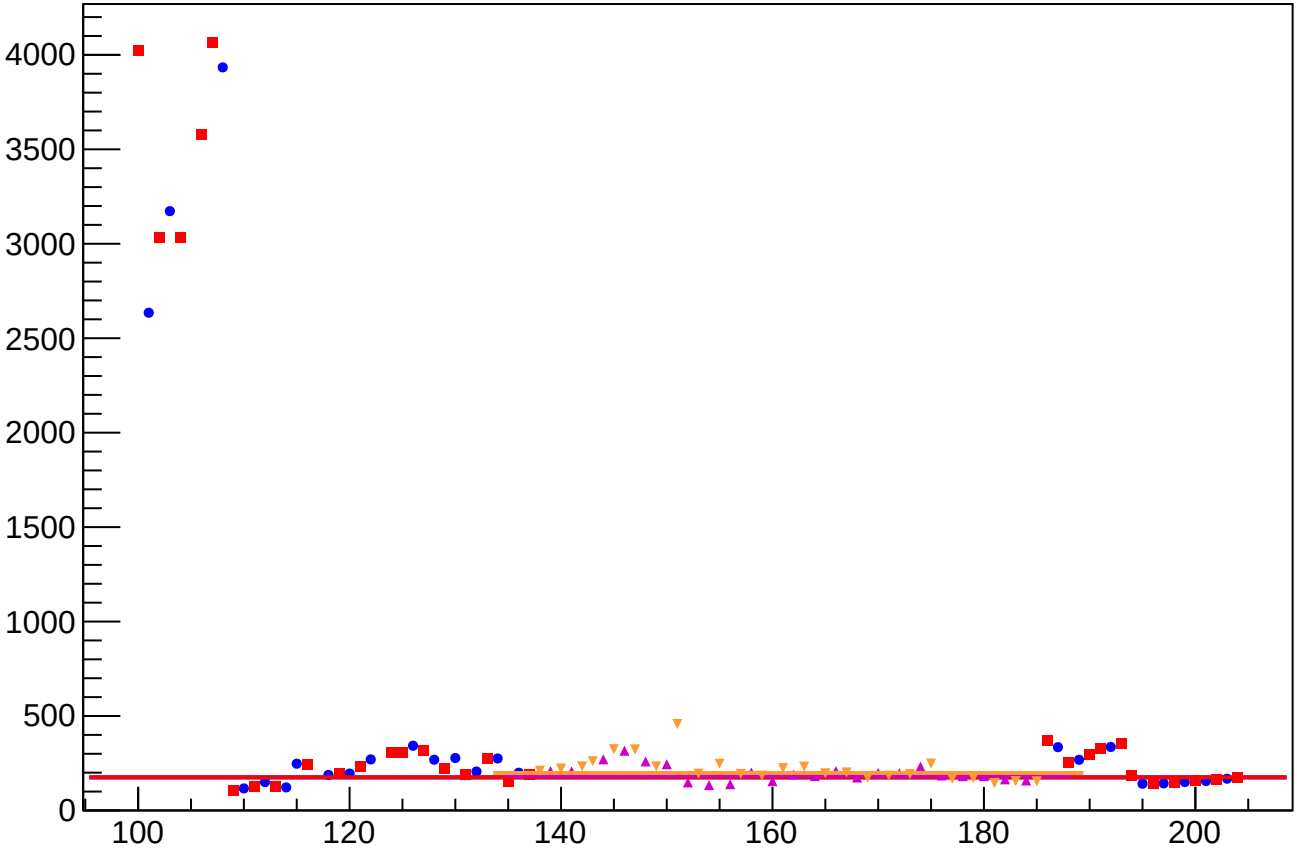
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

\+ sign 9.085+/-35.309 χ^2/NDF: 51.7/48

All: 11.391+/-24.315 χ^2/NDF: 101.5/101

\- sign 13.470+/-33.533 χ^2/NDF: 49.8/52

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 175.052+/-0.038 χ^2/NDF: 4816696.4/23

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

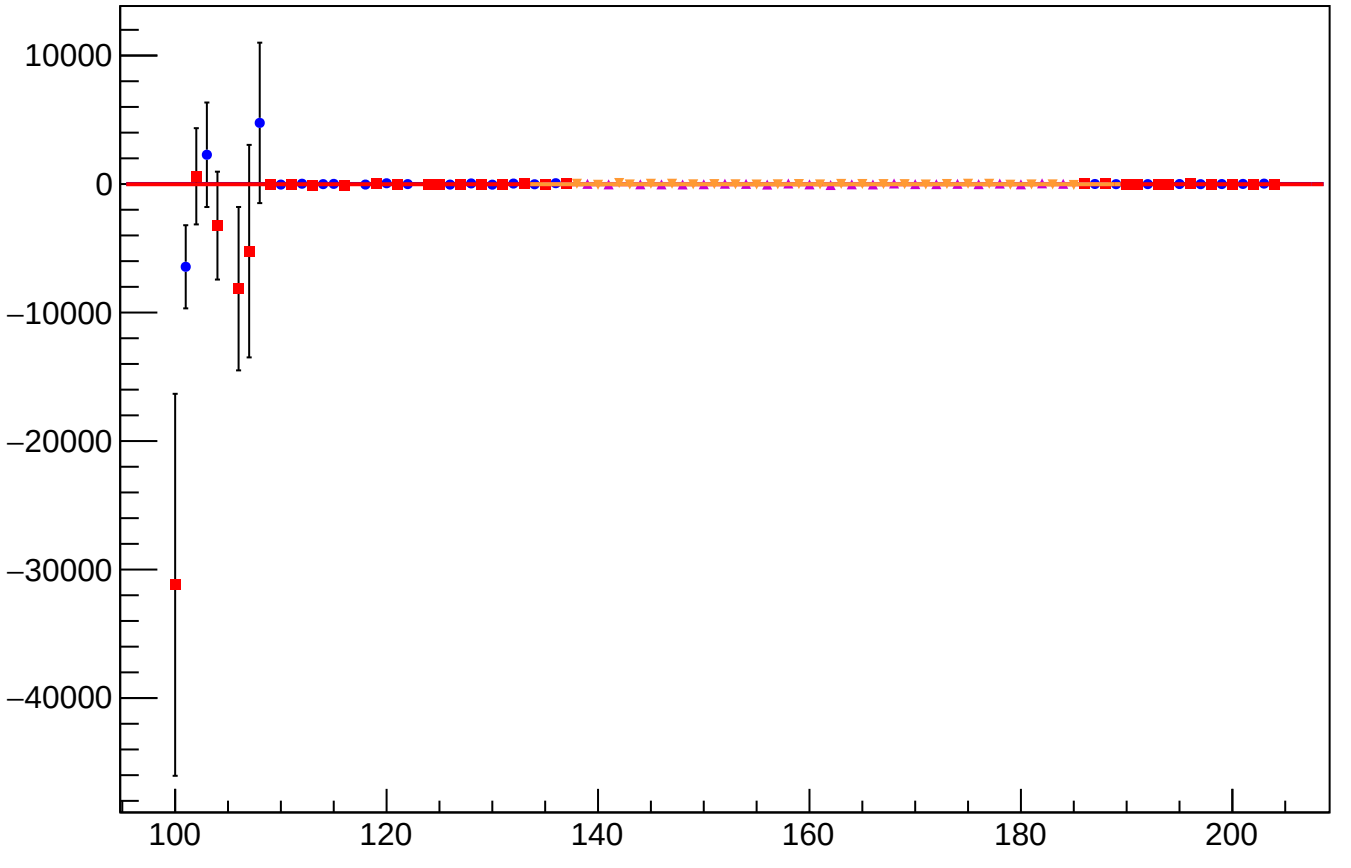
Right Out: 175.430+/-0.036 χ^2/NDF: 5500672.8/29

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 188.425+/-0.025 χ^2/NDF: 6935864.2/48

All: 184.133+/-0.017 χ^2/NDF: 13970719.2/10

- sign 180.263+/-0.024 χ^2/NDF: 6978664.1/52



Right In: 4.475+/-8.091 χ^2/NDF: 19.9/23

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -15.249+/-7.523 χ^2/NDF: 28.7/29

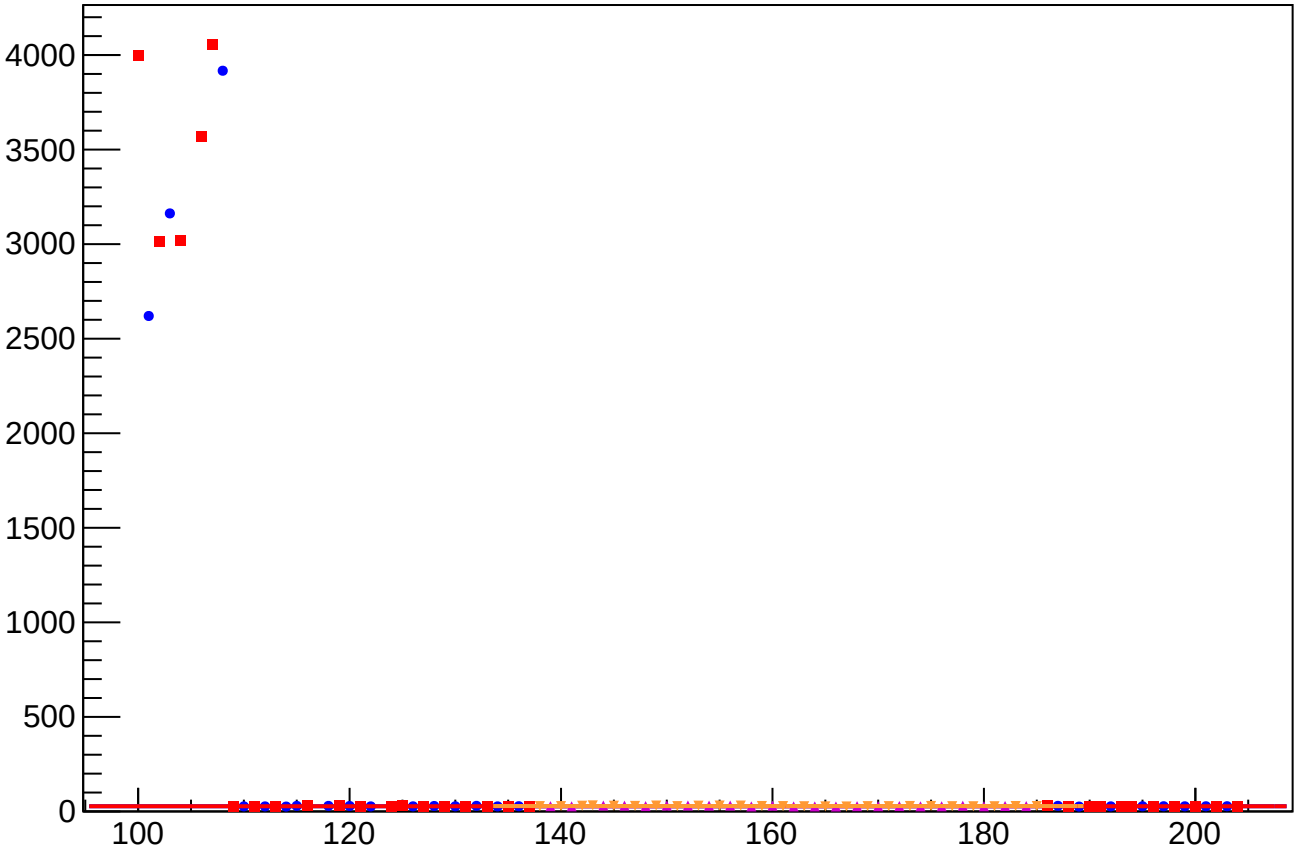
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -5.406+/-5.086 χ^2/NDF: 40.2/48

All: -6.828+/-3.572 χ^2/NDF: 92.8/101

- sign -8.212+/-5.017 χ^2/NDF: 52.5/52

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.522+/-0.006 χ^2/NDF: 3275079.6/23

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

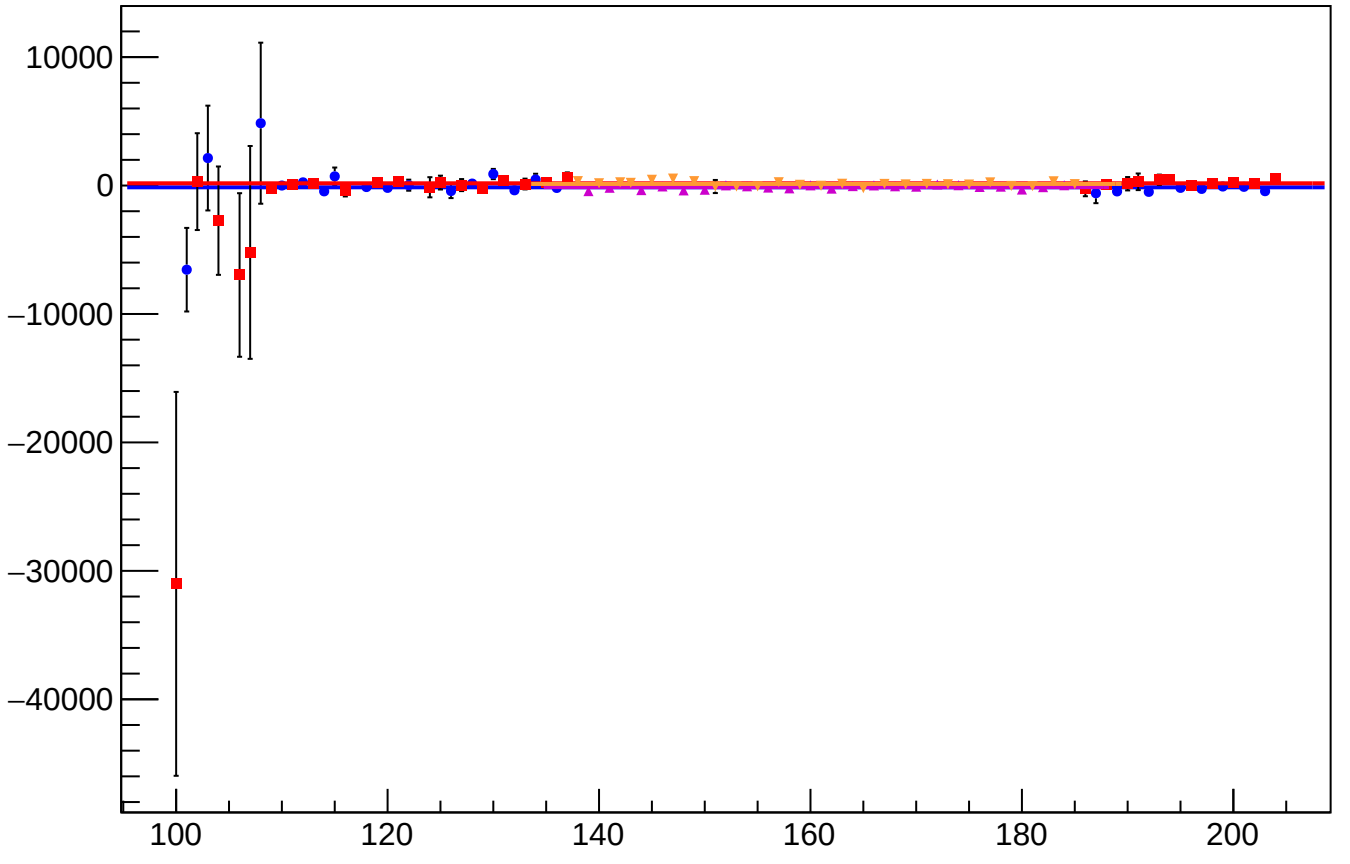
Right Out: 27.490+/-0.005 χ^2/NDF: 3583052.0/29

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.239+/-0.004 χ^2/NDF: 3399891.0/48

All: 28.208+/-0.003 χ^2/NDF: 7140559.5/101

- sign 28.177+/-0.004 χ^2/NDF: 3740517.9/52



Right In: -138.070+/-54.185 χ^2/NDF: 26.6/23

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: 174.837+/-51.002 χ^2/NDF: 21.2/29

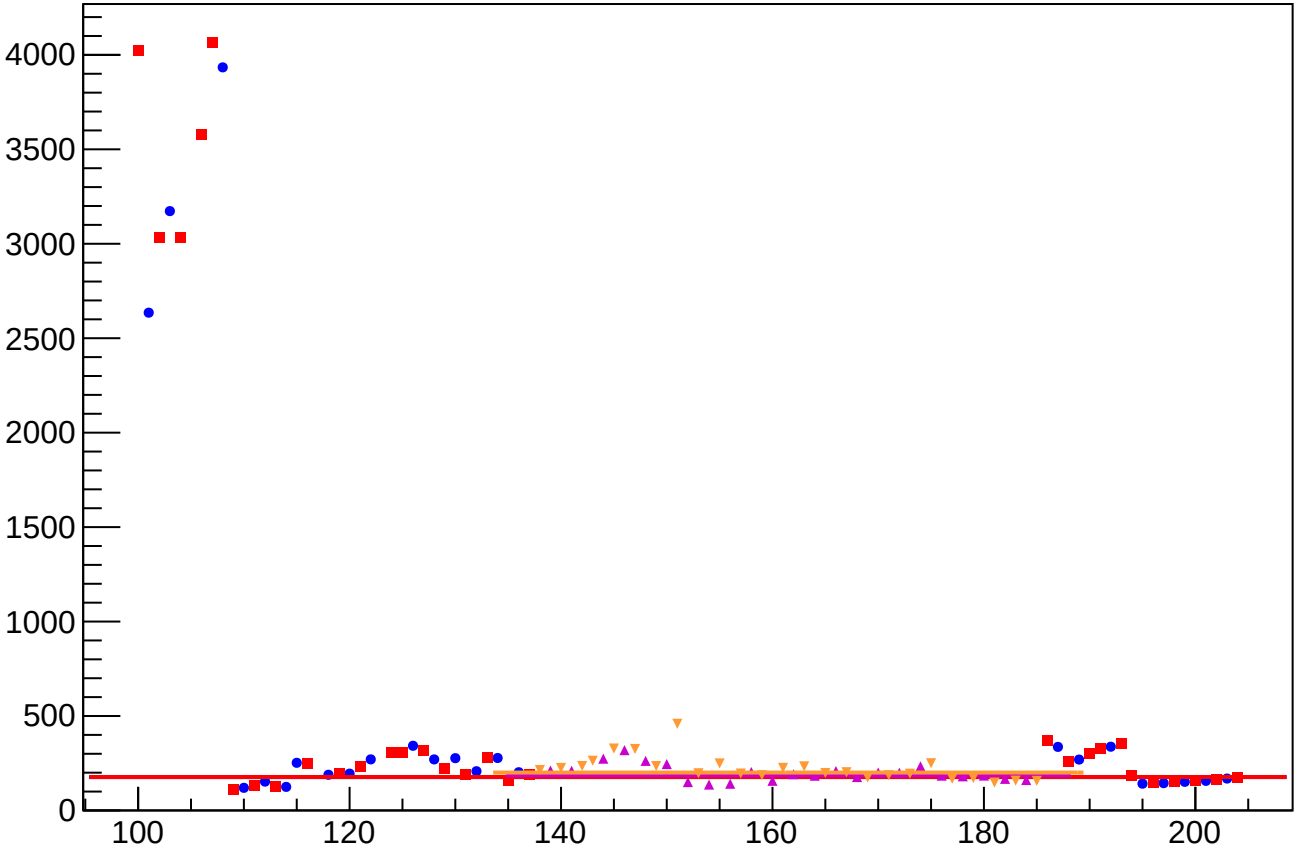
Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 10.018+/-35.633 χ^2/NDF: 51.1/48

All: 9.073+/-24.544 χ^2/NDF: 99.8/101

- sign 8.219+/-33.856 χ^2/NDF: 48.8/52

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 176.594+/-0.038 χ^2/NDF: 4783062.5/23

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

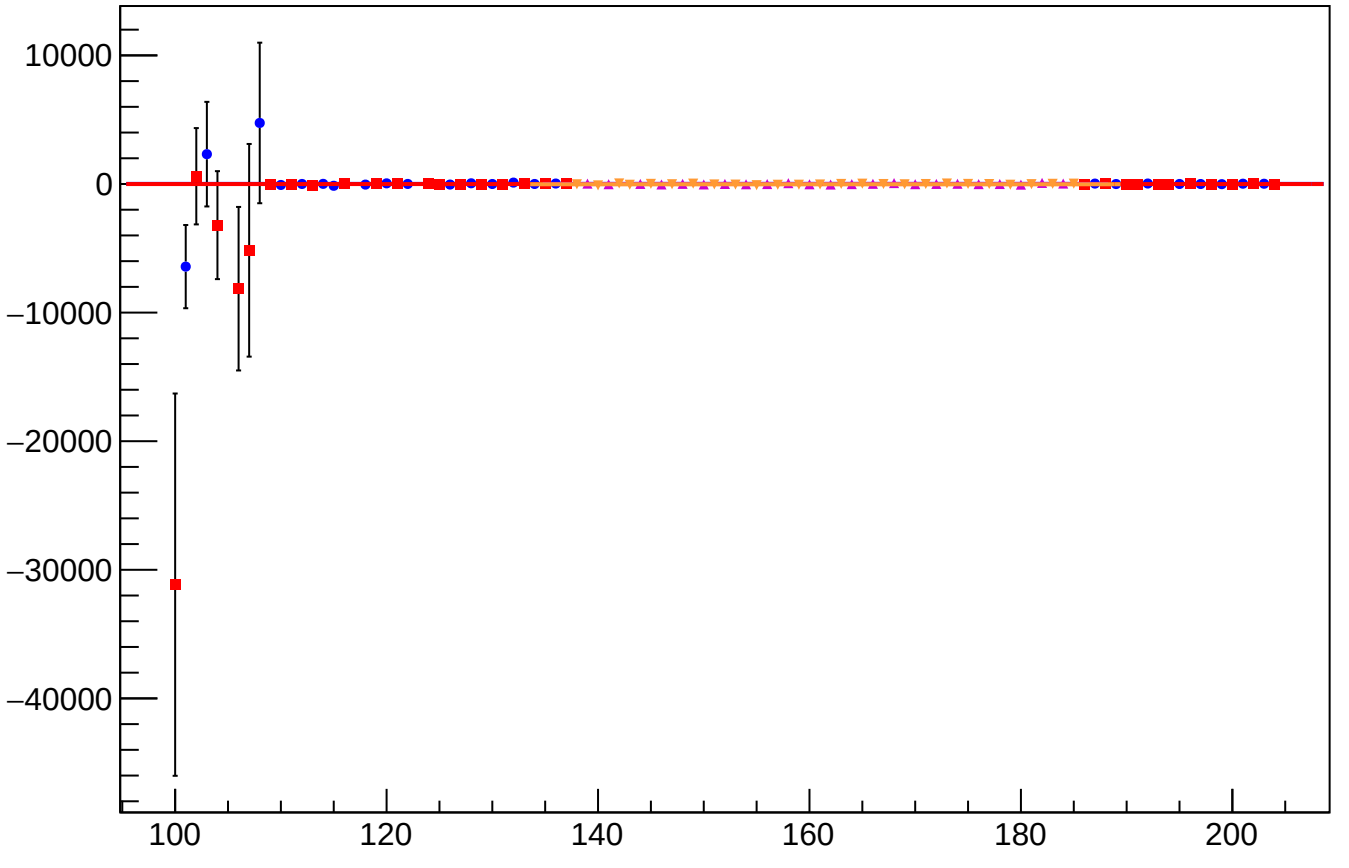
Right Out: 177.127+/-0.036 χ^2/NDF: 5435578.8/29

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 190.267+/-0.025 χ^2/NDF: 6887527.6/48

All: 186.019+/-0.017 χ^2/NDF: 13825731.8/10

- sign 182.185+/-0.024 χ^2/NDF: 6884126.6/52



Right In: 8.345+/-9.859 χ^2/NDF: 19.1/23

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -5.008+/-9.171 χ^2/NDF: 30.8/29

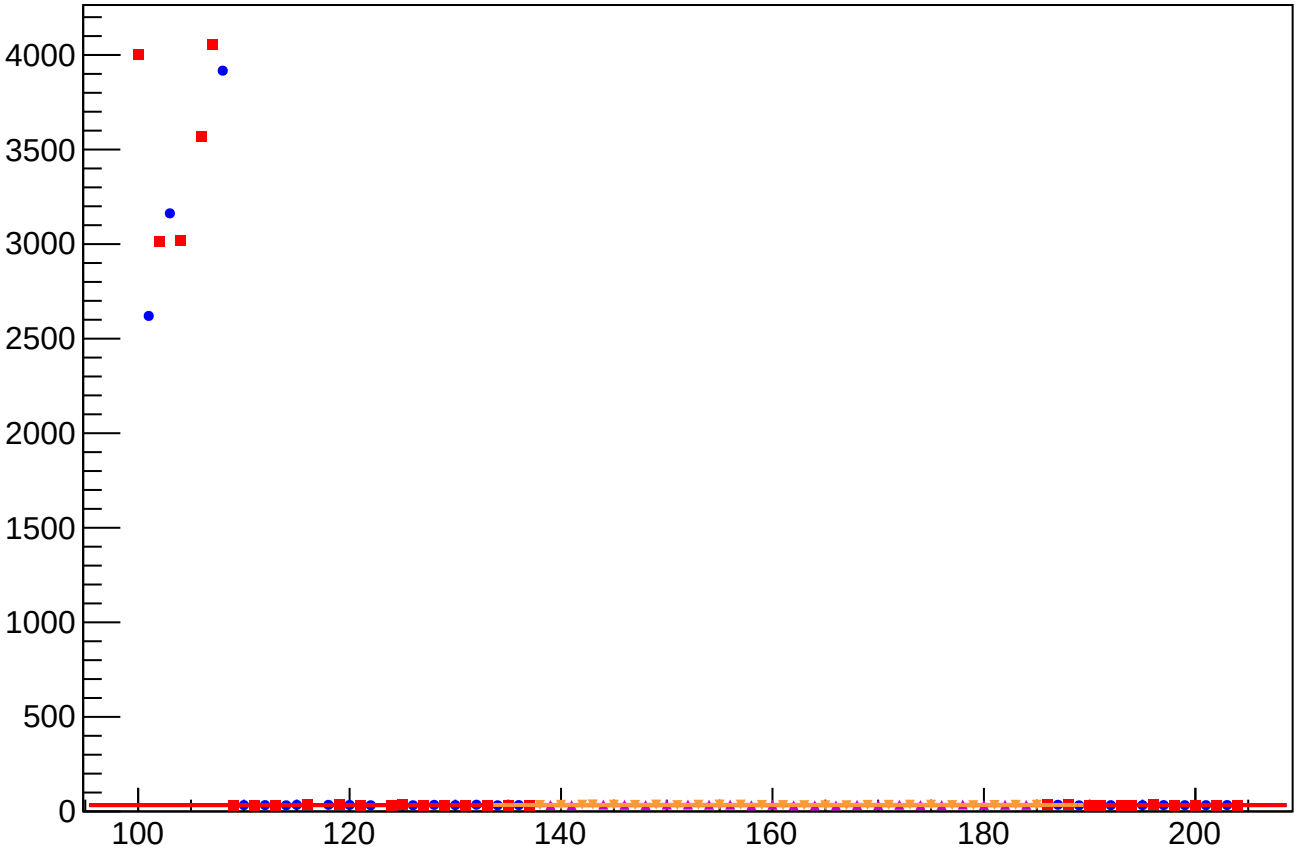
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

\+ sign -9.781+/-6.134 χ^2/NDF: 47.5/48

All: -4.795+/-4.312 χ^2/NDF: 99.1/101

\- sign 0.078+/-6.064 χ^2/NDF: 50.3/52

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.576+/-0.007 χ^2/NDF: 3249279.1/23

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

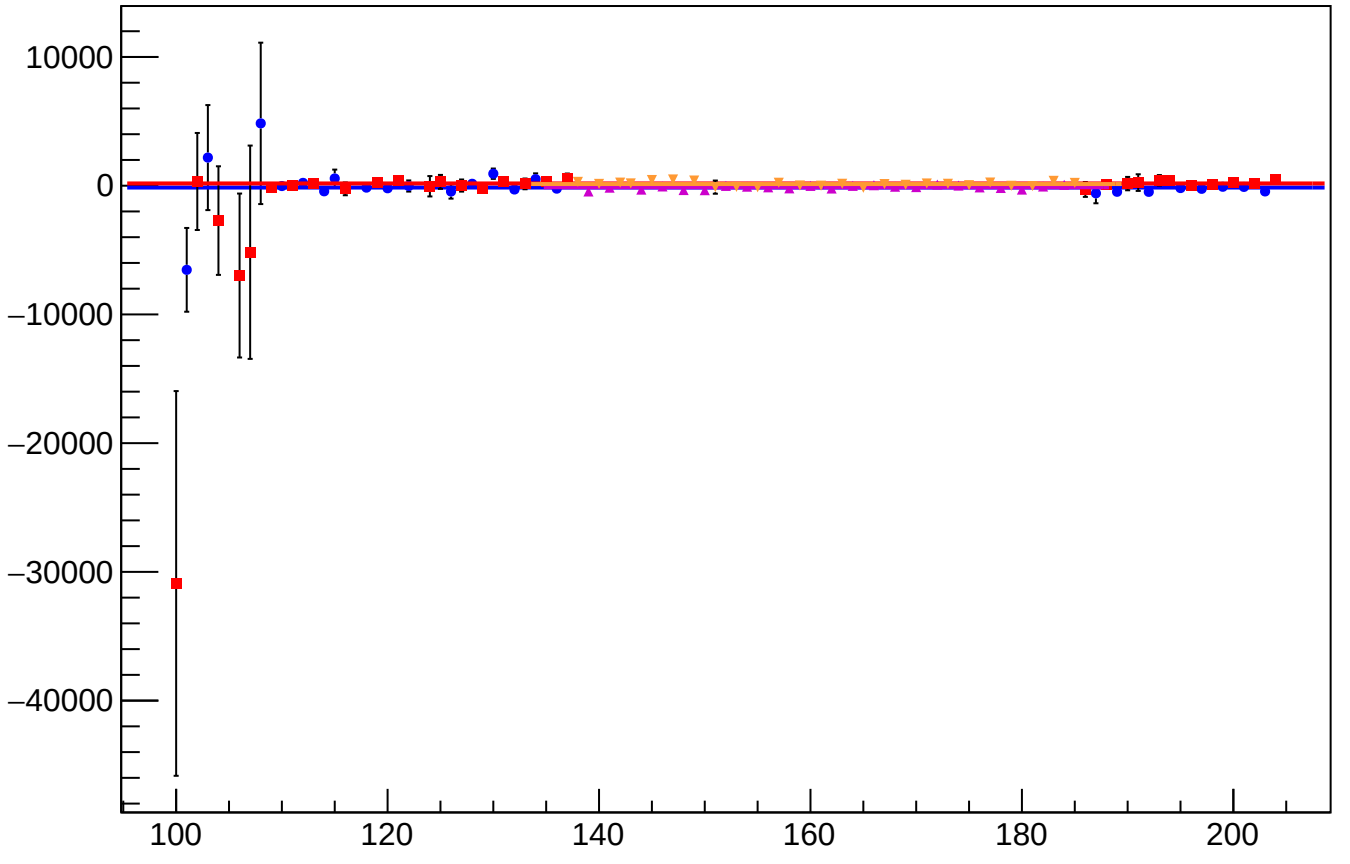
Right Out: 33.562+/-0.006 χ^2/NDF: 3541843.5/29

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.105+/-0.004 χ^2/NDF: 3303346.6/48

All: 34.112+/-0.003 χ^2/NDF: 6917600.8/101

- sign 34.119+/-0.004 χ^2/NDF: 3614248.8/52



Right In: -143.552+/-54.017 χ^2/NDF: 25.9/23

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: 175.343+/-50.802 χ^2/NDF: 20.4/29

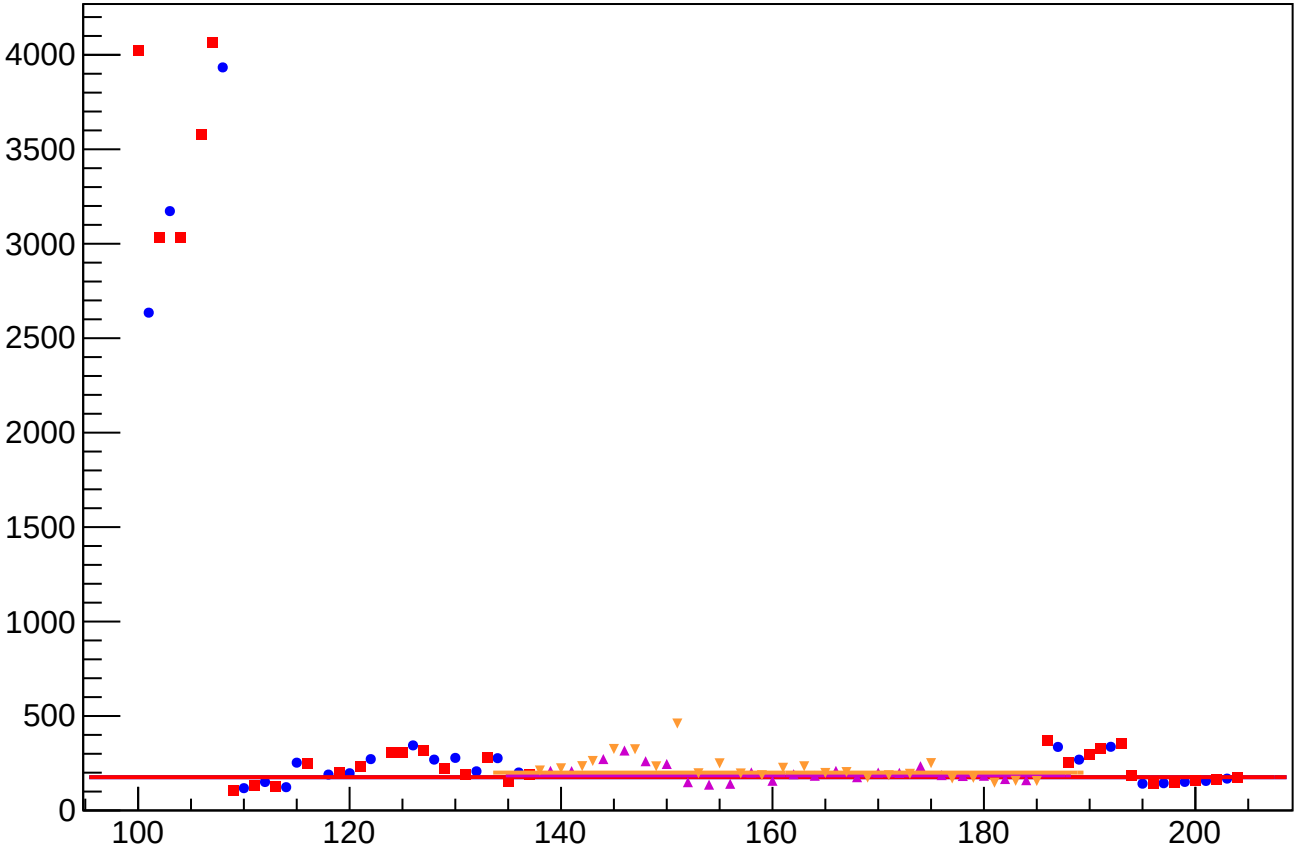
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 10.174+/-35.555 χ^2/NDF: 51.8/48

All: 9.517+/-24.485 χ^2/NDF: 99.4/101

- sign 8.924+/-33.768 χ^2/NDF: 47.6/52

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.916+/-0.038 χ^2/NDF: 4812377.5/23

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

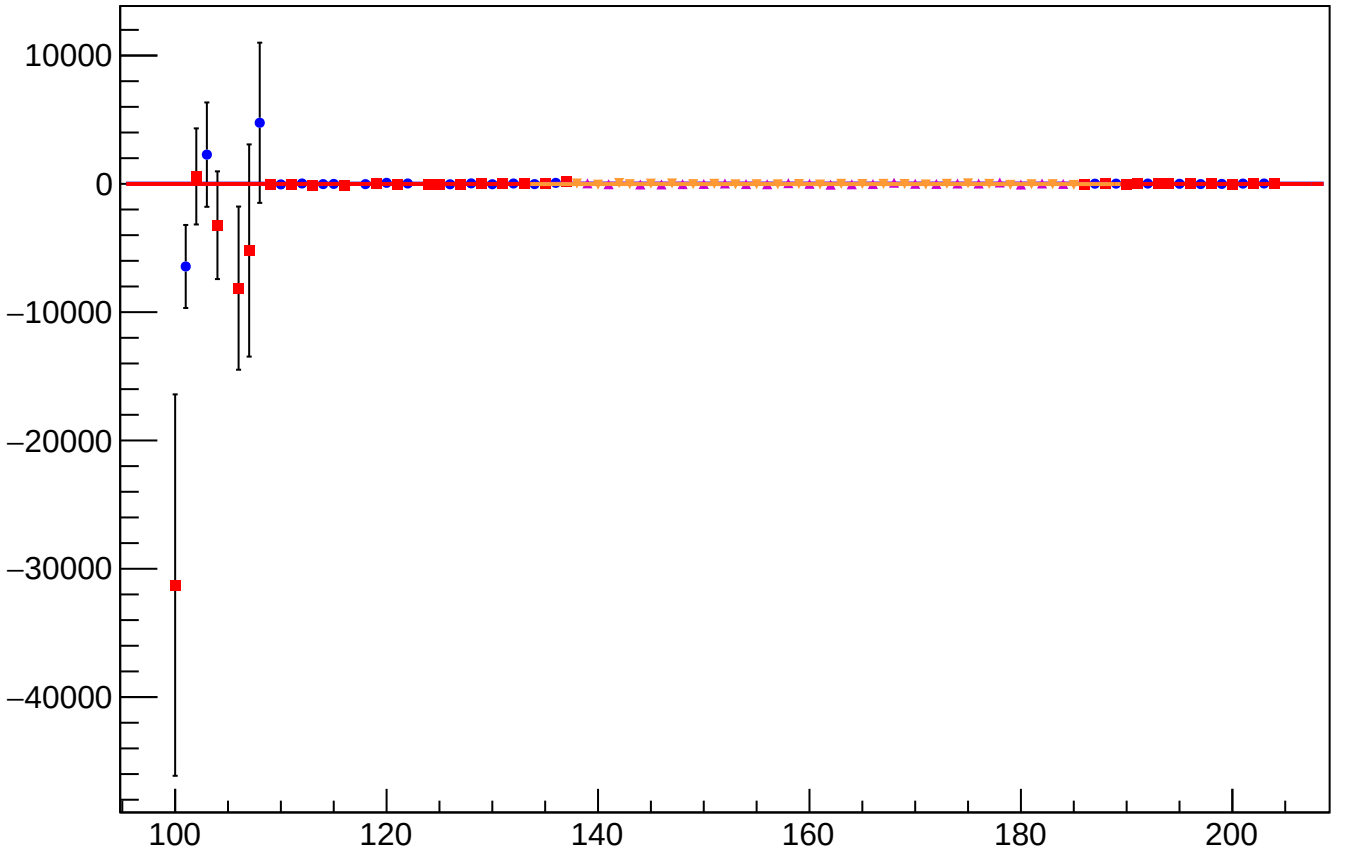
Right Out: 176.233+/-0.036 χ^2/NDF: 5488608.3/29

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 189.777+/-0.025 χ^2/NDF: 6921253.2/48

All: 185.484+/-0.017 χ^2/NDF: 13911011.6/10

- sign 181.613+/-0.024 χ^2/NDF: 6934319.2/52



Right In: 11.263+/-8.944 χ^2/NDF: 17.0/23

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -7.571+/-8.308 χ^2/NDF: 38.5/29

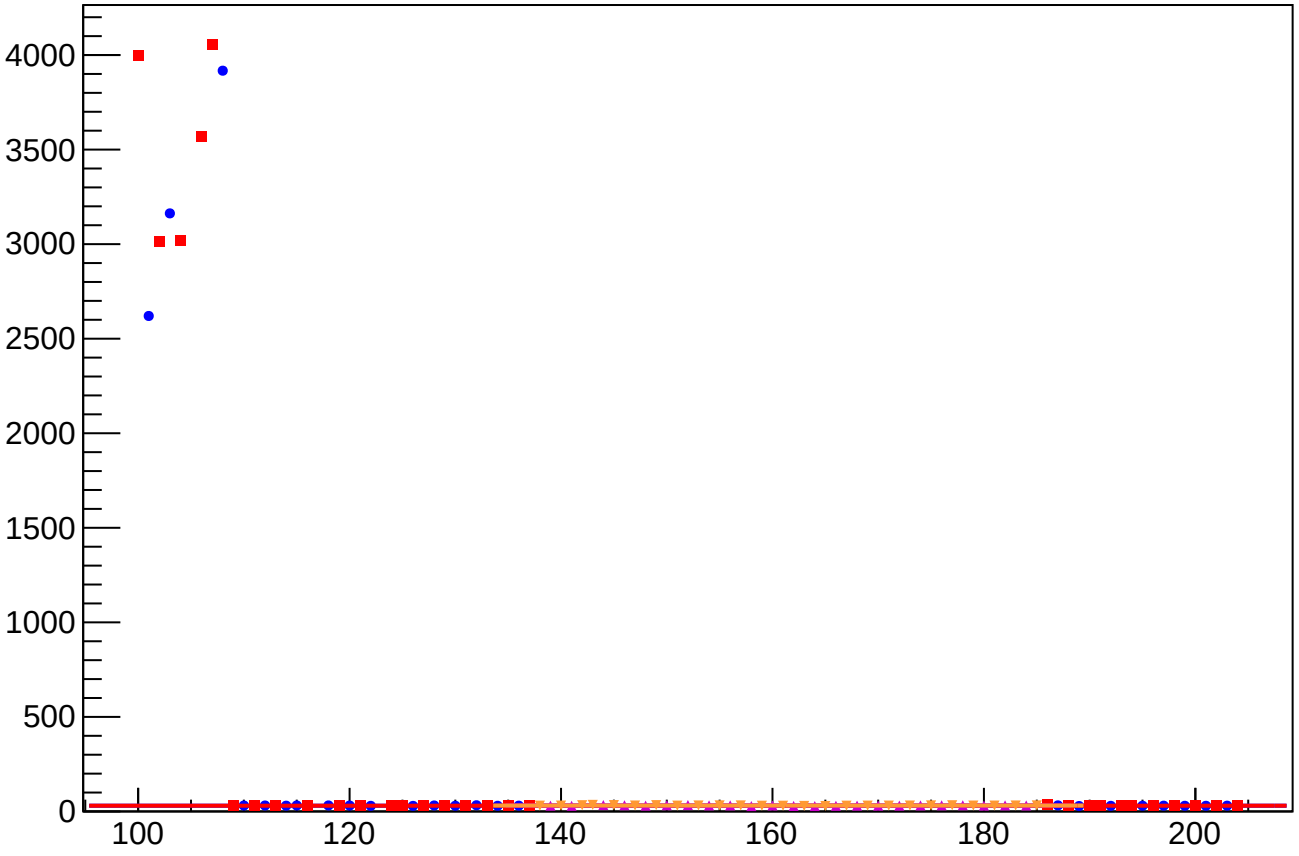
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

\+ sign -6.974+/-5.577 χ^2/NDF: 44.2/48

All: -4.354+/-3.918 χ^2/NDF: 119.5/101

\- sign -1.803+/-5.504 χ^2/NDF: 74.8/52

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.437+/-0.006 χ^2/NDF: 3263263.6/23

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

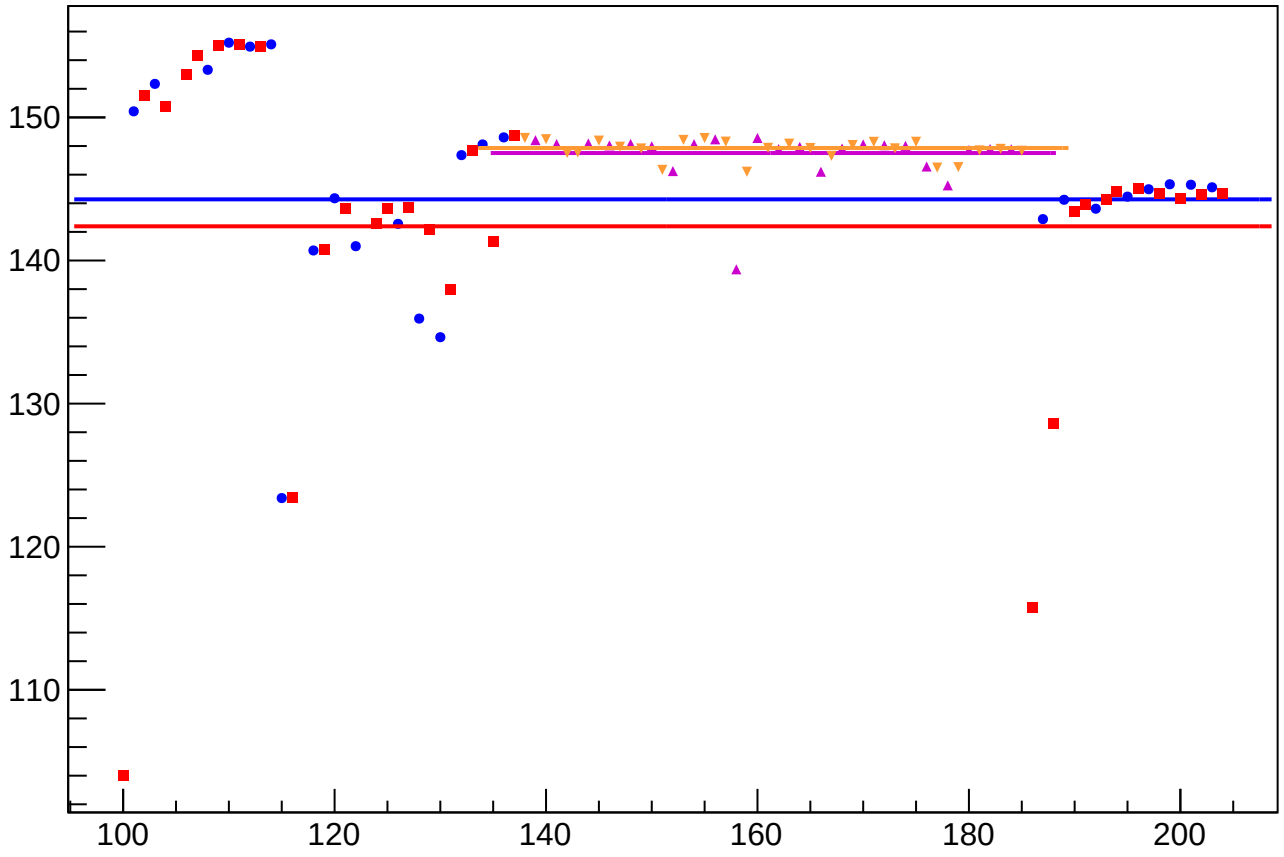
Right Out: 30.377+/-0.006 χ^2/NDF: 3560052.3/29

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.989+/-0.004 χ^2/NDF: 3338748.3/48

All: 30.964+/-0.003 χ^2/NDF: 7000436.6/101

- sign 30.940+/-0.004 χ^2/NDF: 3661610.2/52



Right In: 144.274+/-0.000 χ^2/NDF: 3738017721.3/23

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.391+/-0.000 χ^2/NDF: 7536156499.4/29

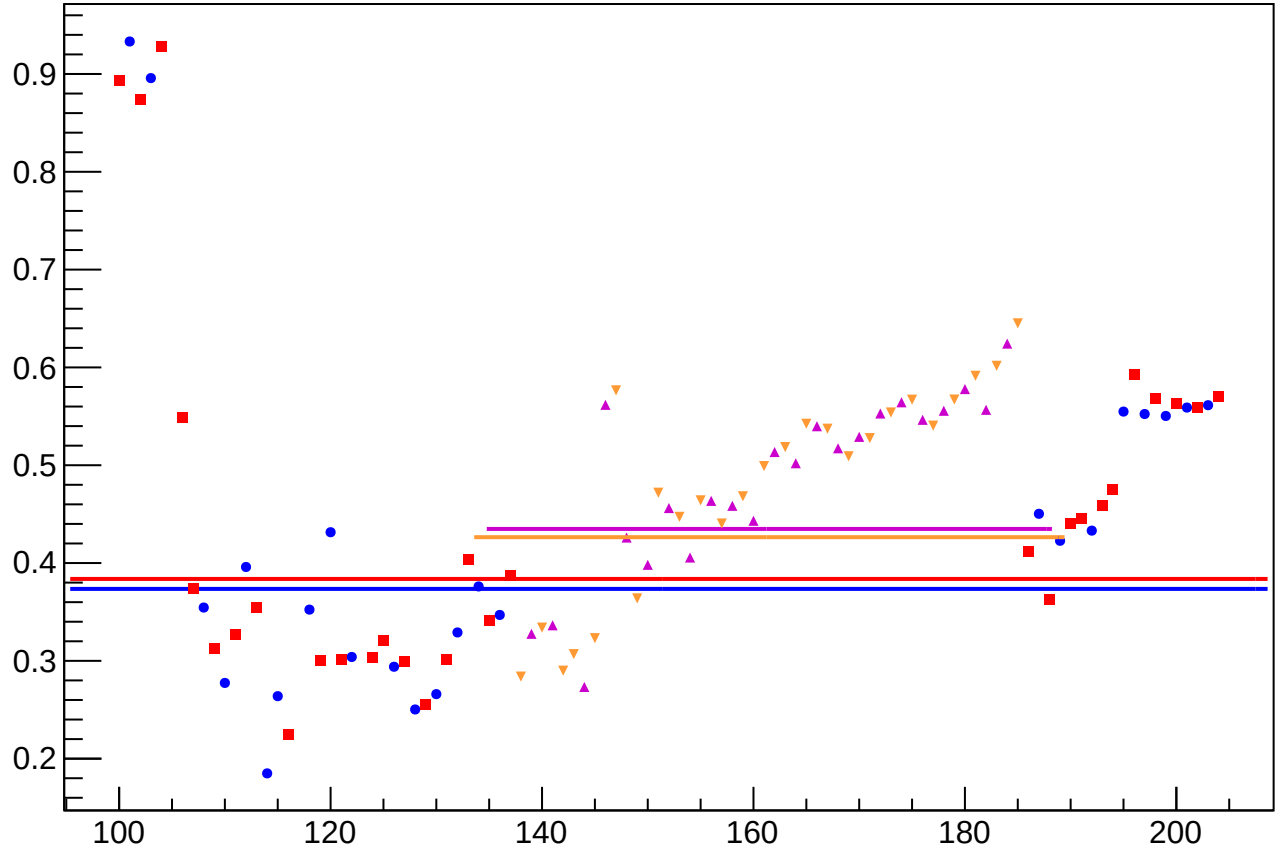
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.256+/-0.000 χ^2/NDF: 4343121251.6/48

All: 145.600+/-0.000 χ^2/NDF: 13503935016.

- sign 144.953+/-0.000 χ^2/NDF: 9010688590.9/52

yield_bcm_target_rms vs Slug



Right In: 0.374+/-0.000 χ^2/NDF: 2621606.2/23

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

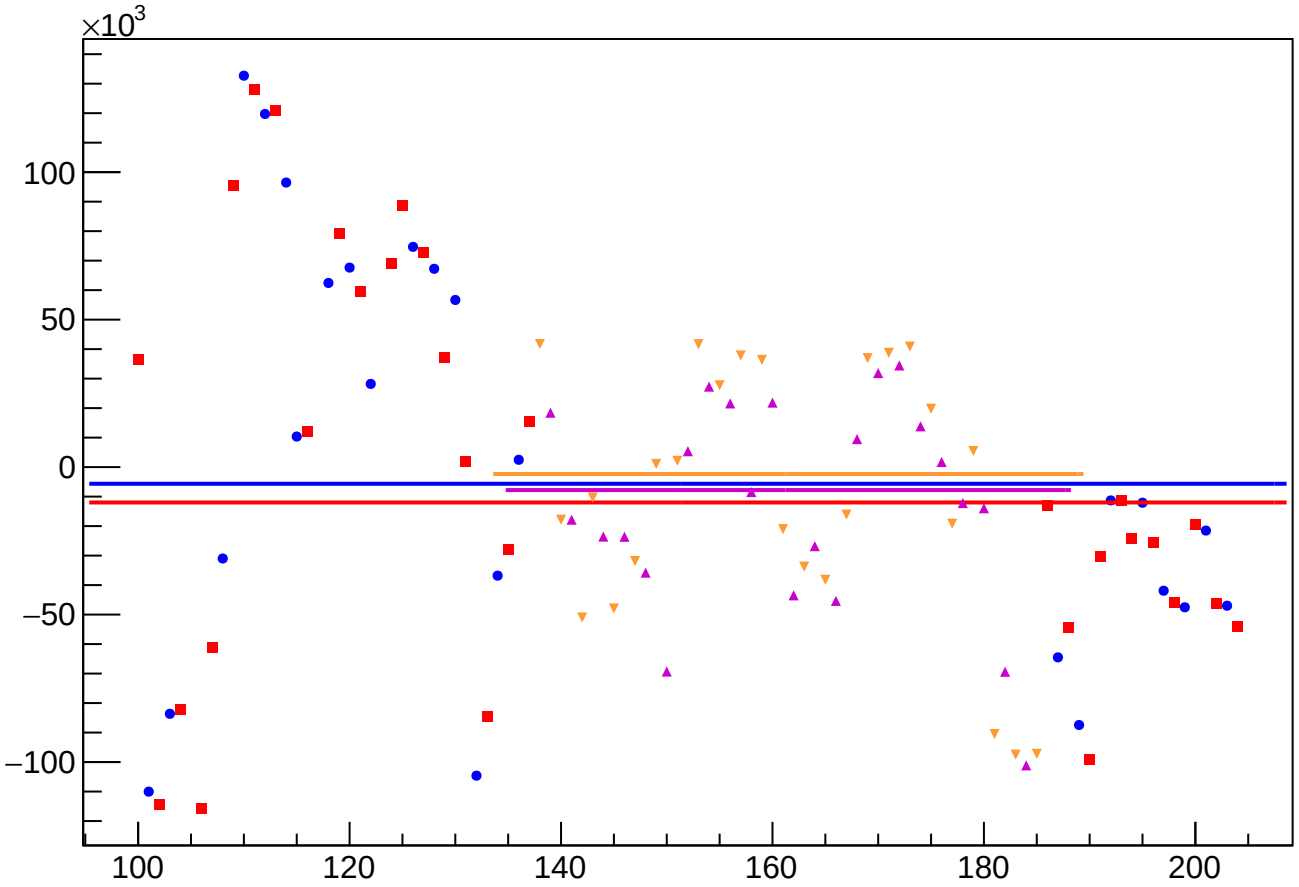
Right Out: 0.384+/-0.000 χ^2/NDF: 2678125.3/29

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.403+/-0.000 χ^2/NDF: 5123685.5/48

All: 0.406+/-0.000 χ^2/NDF: 9817320.4/101

- sign 0.409+/-0.000 χ^2/NDF: 4685937.6/52



Right In: -5645.550+/-1.506 χ^2/NDF: 1808410655.2/23

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -11987.372+/-1.355 χ^2/NDF: 2324571370.9/29

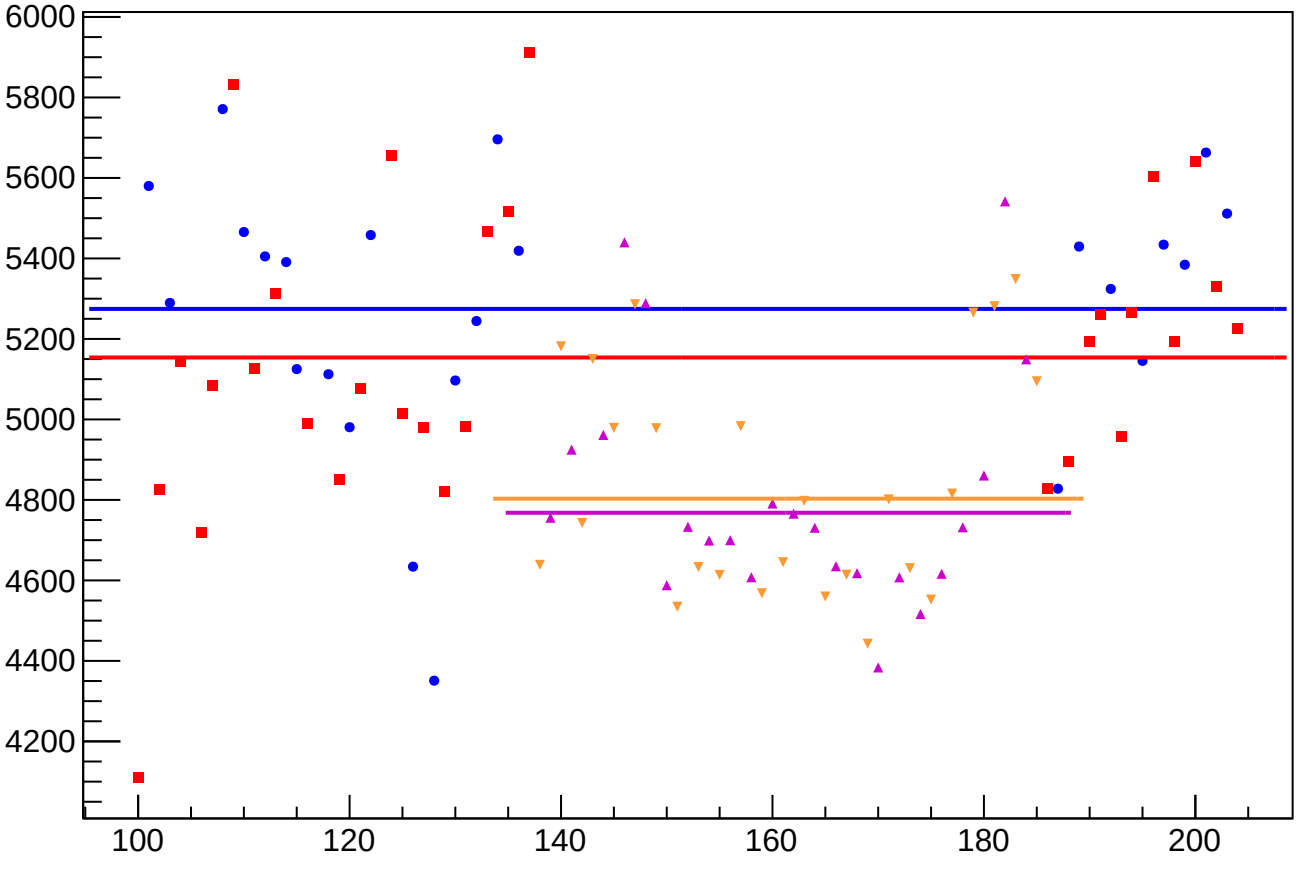
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -3525.039+/-0.900 χ^2/NDF: 3041527403.7/4

All: -6617.940+/-0.627 χ^2/NDF: 615713441

- sign -9535.834+/-0.874 χ^2/NDF: 3092671847.2/52

yield_bcm_an_diff_rms vs Slug



Right In: 5274.596+/-1.065 χ^2/NDF: 97366.3/23

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

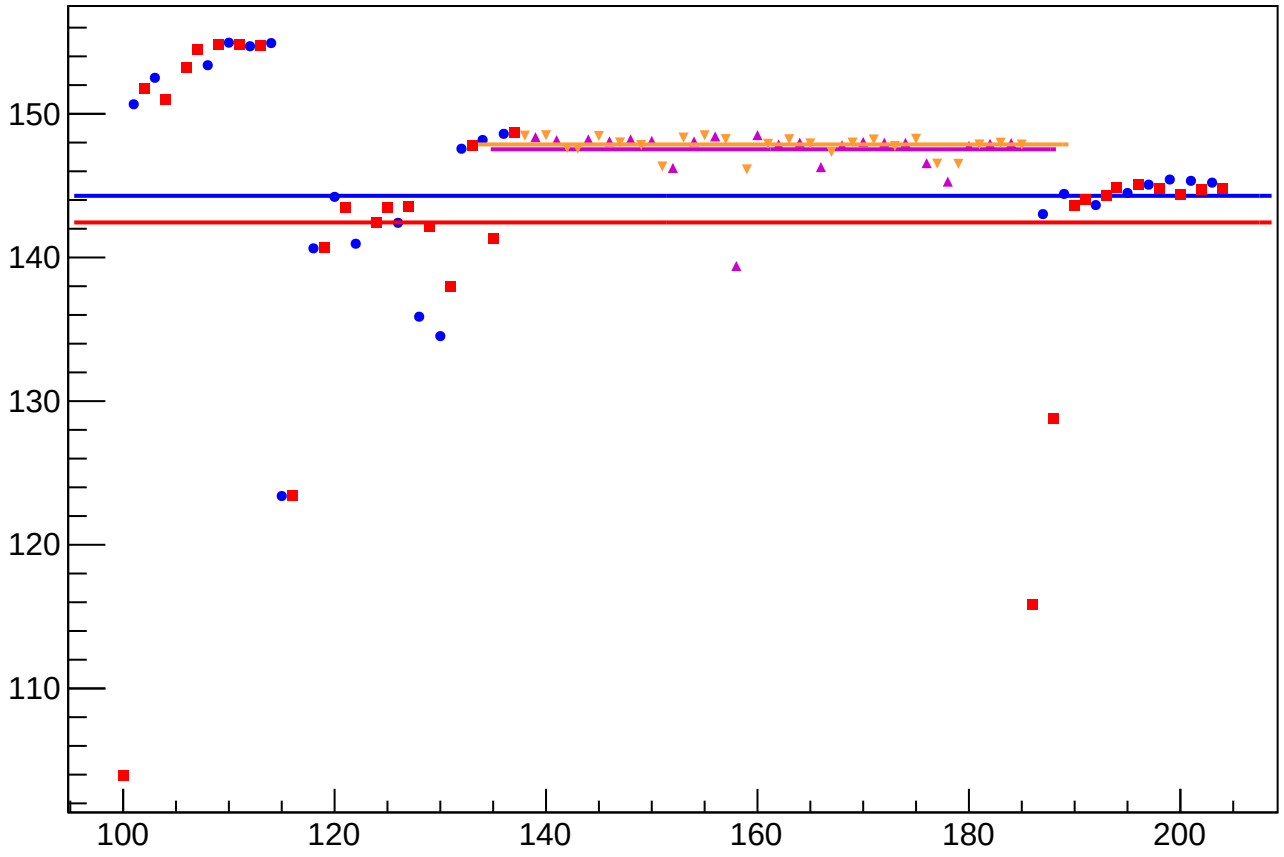
Right Out: 5153.890+/-0.958 χ^2/NDF: 97409.4/29

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

\+ sign 4971.710+/-0.637 χ^2/NDF: 338028.2/48

All: 4949.556+/-0.444 χ^2/NDF: 634751.0/101

\- sign 4928.655+/-0.618 χ^2/NDF: 294369.4/52



Right In: 144.292+/-0.000 χ^2/NDF: 3779500927.3/23

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.440+/-0.000 χ^2/NDF: 7511186736.6/29

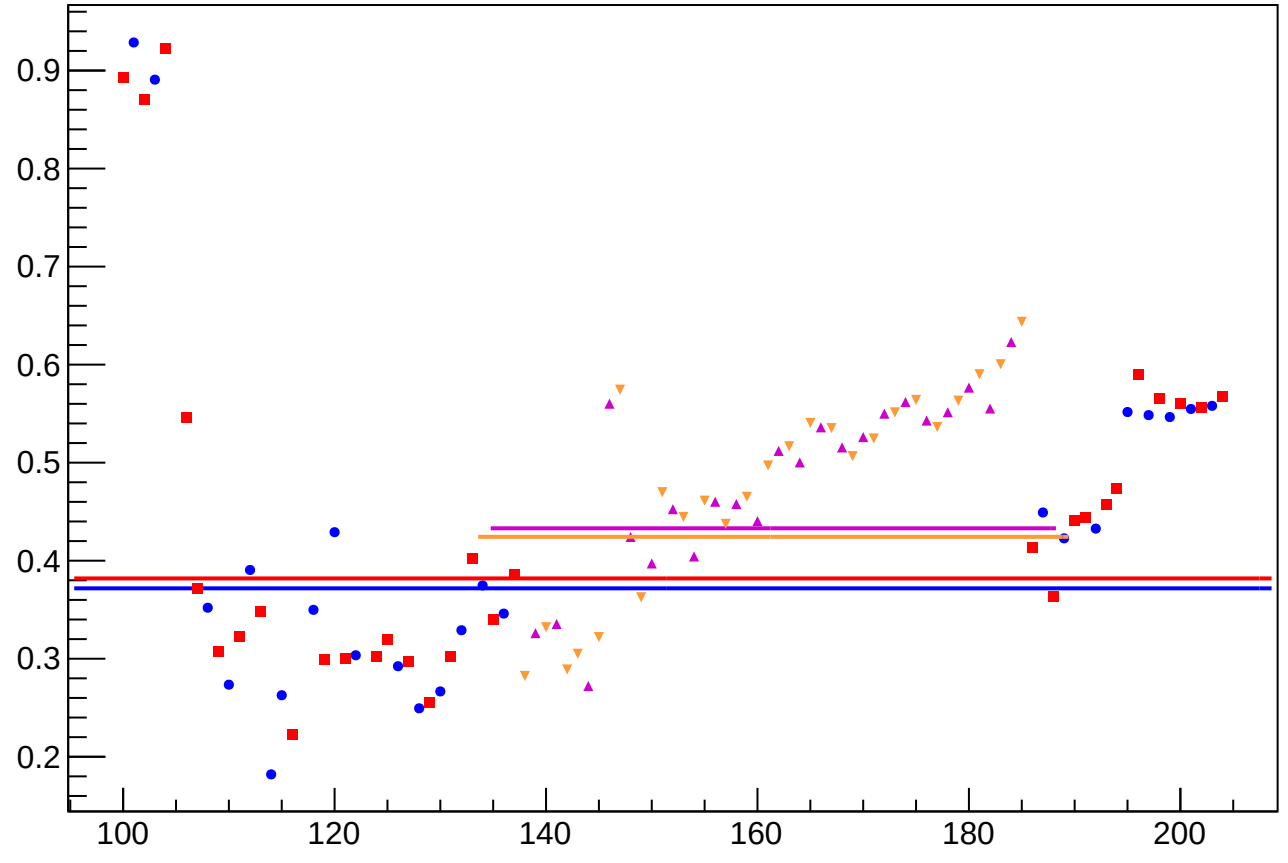
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.267+/-0.000 χ^2/NDF: 4385576378.6/48

All: 145.623+/-0.000 χ^2/NDF: 13515437053.

- sign 144.988+/-0.000 χ^2/NDF: 8983579313.2/52

yield_bcm_an_ds_rms vs Slug



Right In: 0.372+/-0.000 χ^2/NDF: 2618715.8/23

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

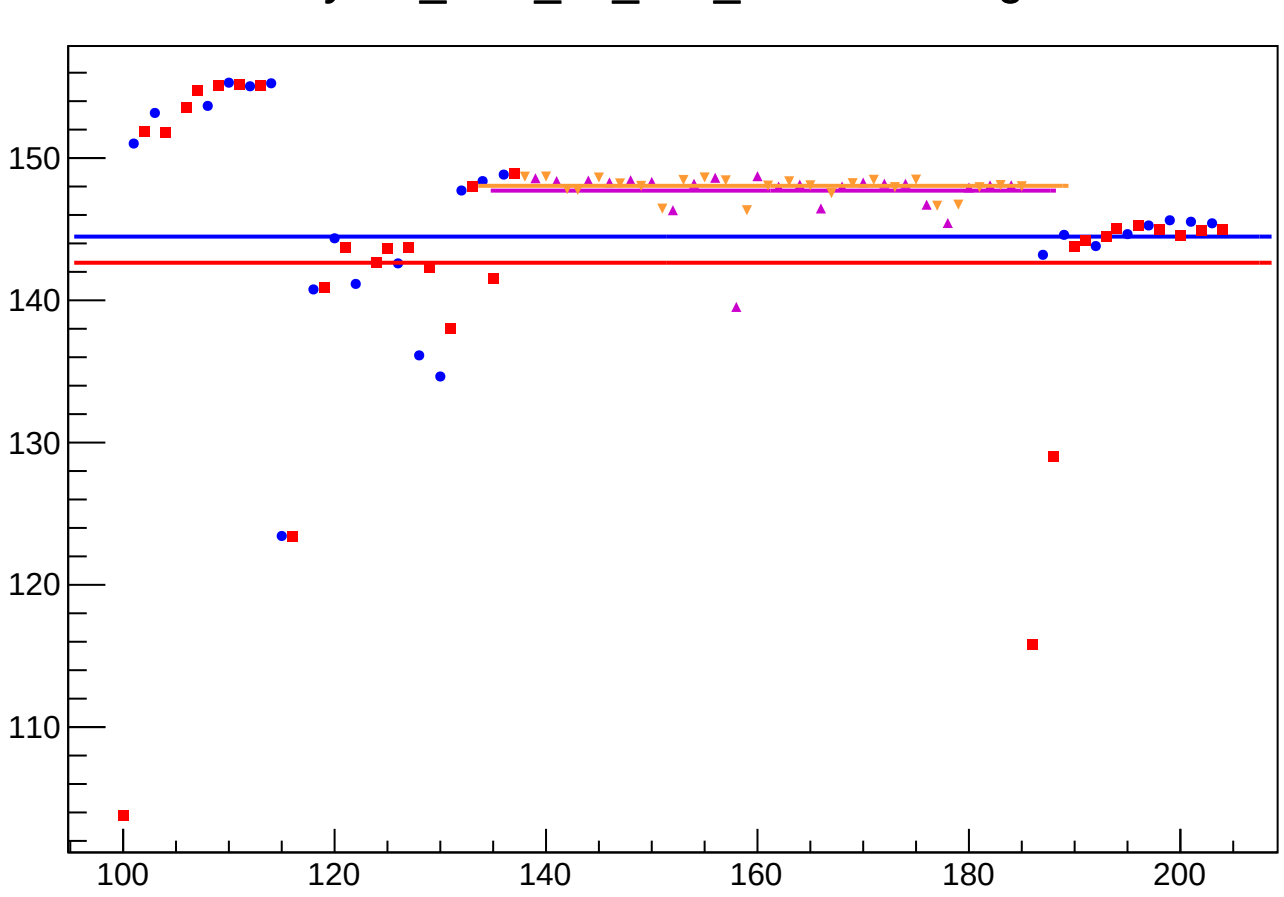
Right Out: 0.382+/-0.000 χ^2/NDF: 2685058.8/29

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.401+/-0.000 χ^2/NDF: 5121923.7/48

All: 0.404+/-0.000 χ^2/NDF: 9821107.6/101

- sign 0.408+/-0.000 χ^2/NDF: 4691198.1/52



Right In: 144.480+/-0.000 χ^2/NDF: 3773423963.5/23

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.642+/-0.000 χ^2/NDF: 7446300905.4/29

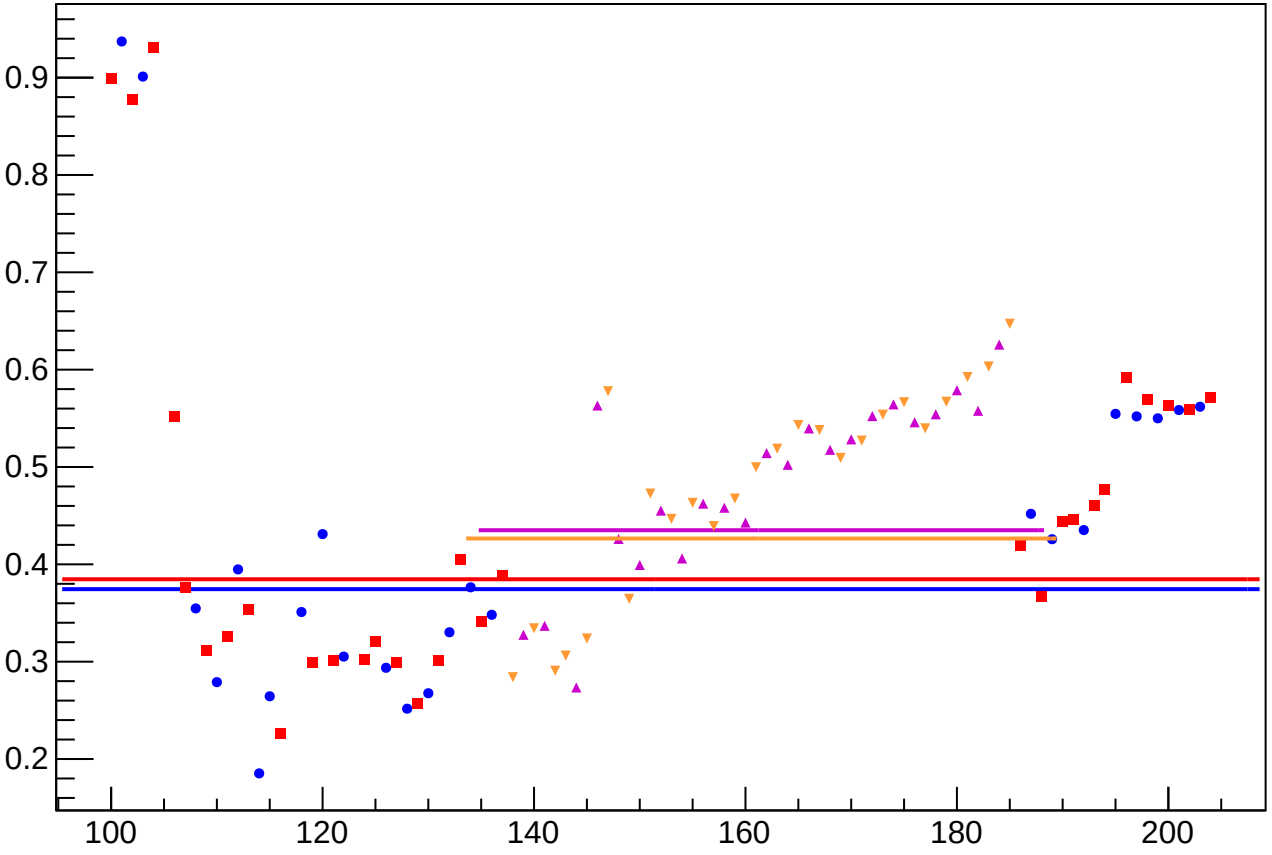
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.454+/-0.000 χ^2/NDF: 4370725010.2/48

All: 145.815+/-0.000 χ^2/NDF: 13412556052.

- sign 145.184+/-0.000 χ^2/NDF: 8899517373.7/52

yield_bcm_an_ds3_rms vs Slug



Right In: 0.375+/-0.000 χ^2/NDF: 2609852.1/23

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

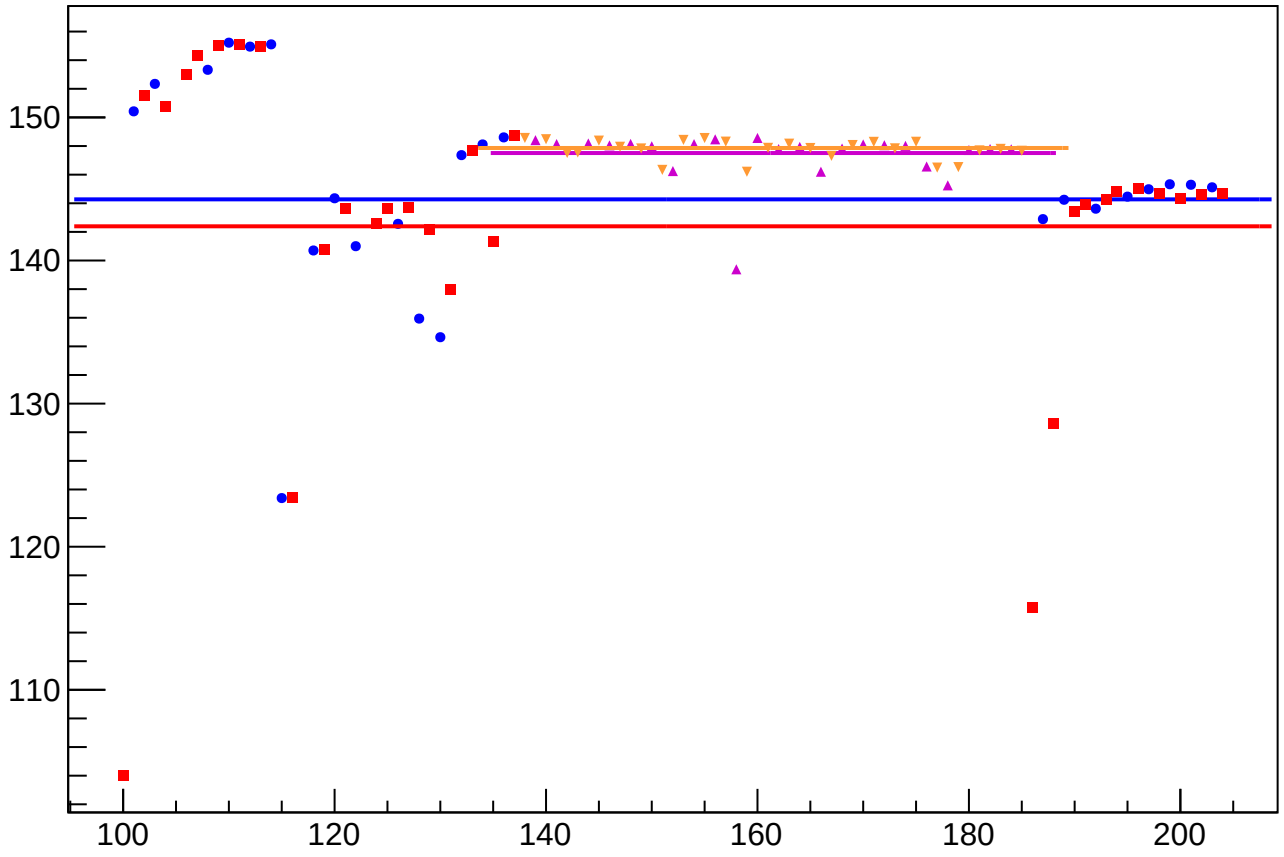
Right Out: 0.385+/-0.000 χ^2/NDF: 2680502.1/29

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.403+/-0.000 χ^2/NDF: 5102235.9/48

All: 0.407+/-0.000 χ^2/NDF: 9785834.7/101

- sign 0.410+/-0.000 χ^2/NDF: 4675787.1/52



Right In: 144.274+/-0.000 χ^2/NDF: 3738017721.3/23

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.391+/-0.000 χ^2/NDF: 7536156499.4/29

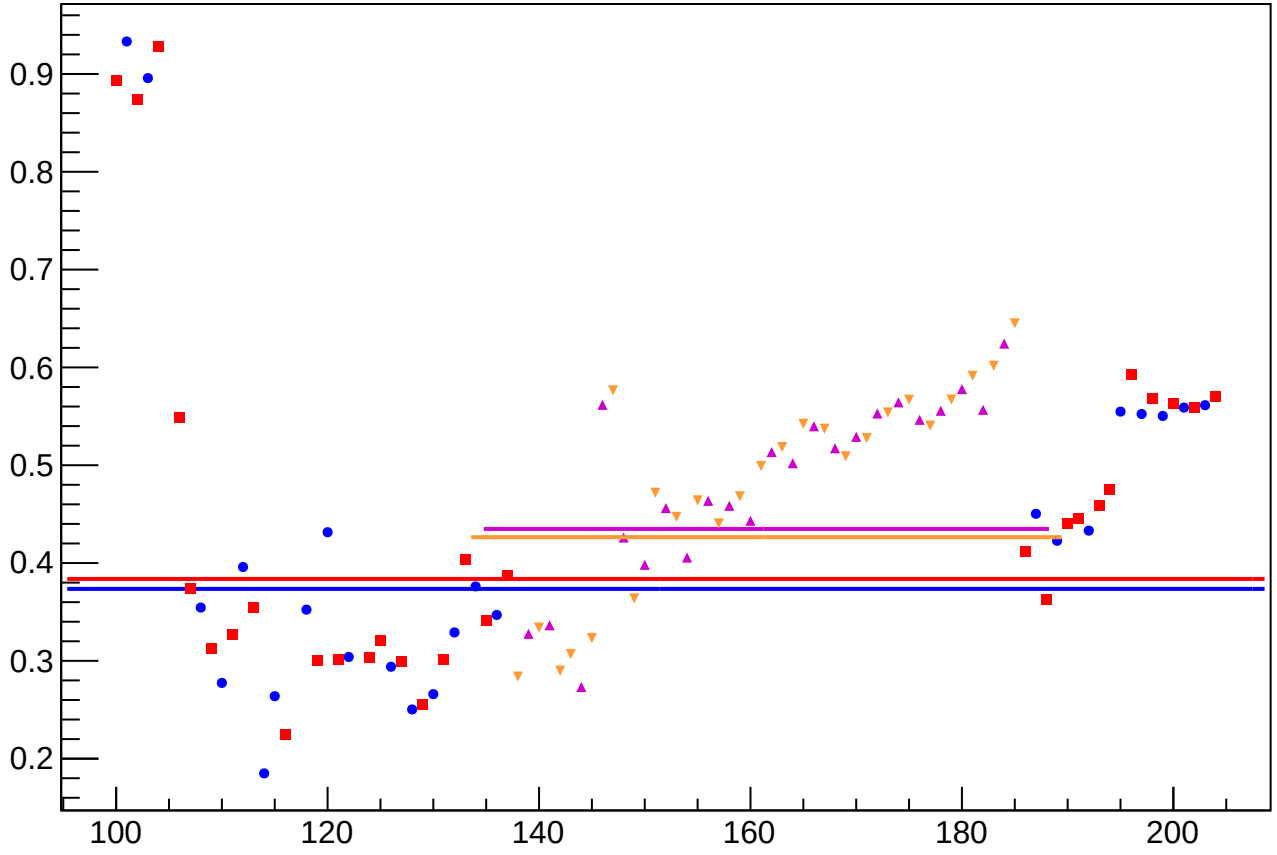
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.256+/-0.000 χ^2/NDF: 4343121251.6/48

All: 145.600+/-0.000 χ^2/NDF: 13503935016.

- sign 144.953+/-0.000 χ^2/NDF: 9010688590.9/52

yield_bcm_an_us_rms vs Slug



Right In: 0.374+/-0.000 χ^2/NDF: 2621606.2/23

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

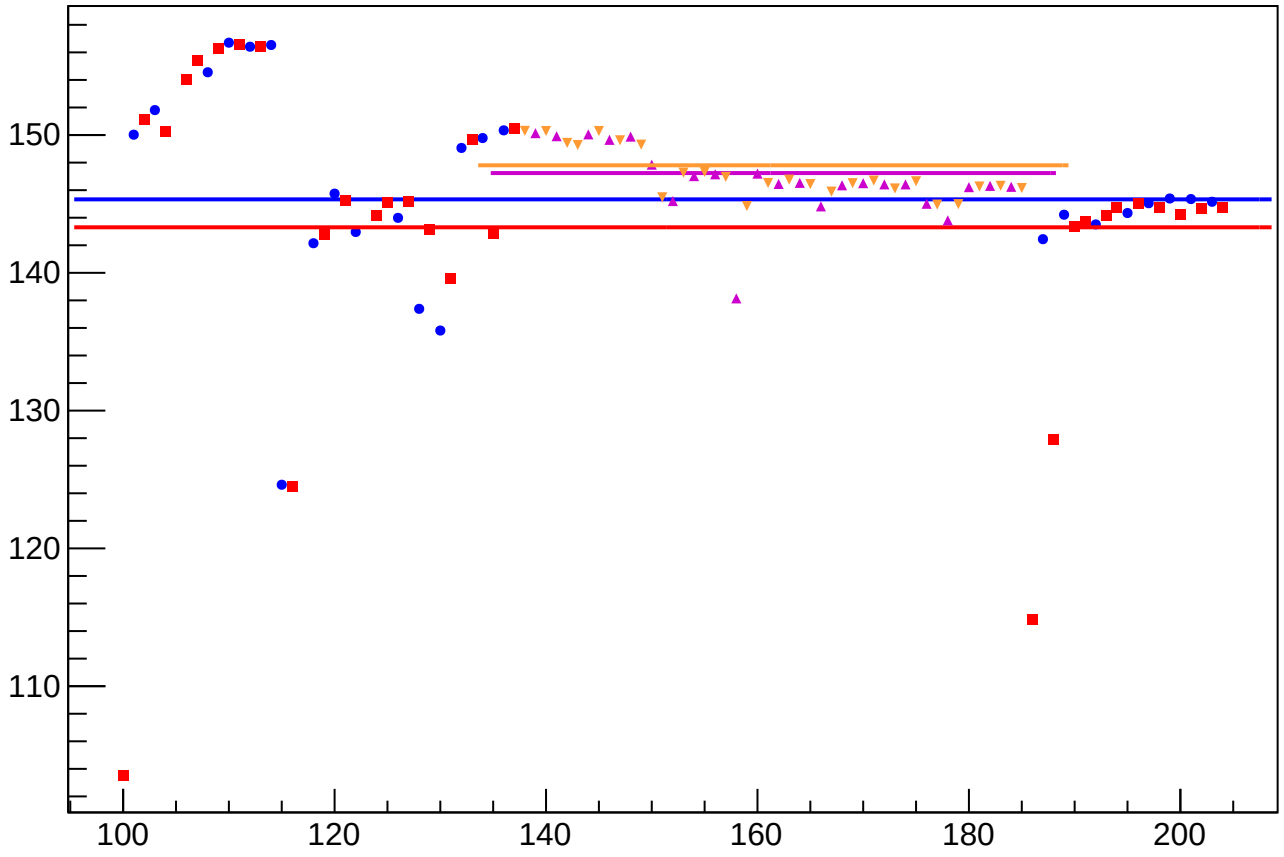
Right Out: 0.384+/-0.000 χ^2/NDF: 2678125.3/29

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.403+/-0.000 χ^2/NDF: 5123685.5/48

All: 0.406+/-0.000 χ^2/NDF: 9817320.4/101

- sign 0.409+/-0.000 χ^2/NDF: 4685937.6/52



Right In: 145.332+/-0.000 χ^2/NDF: 3515066958.2/23

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.304+/-0.000 χ^2/NDF: 7610856763.2/29

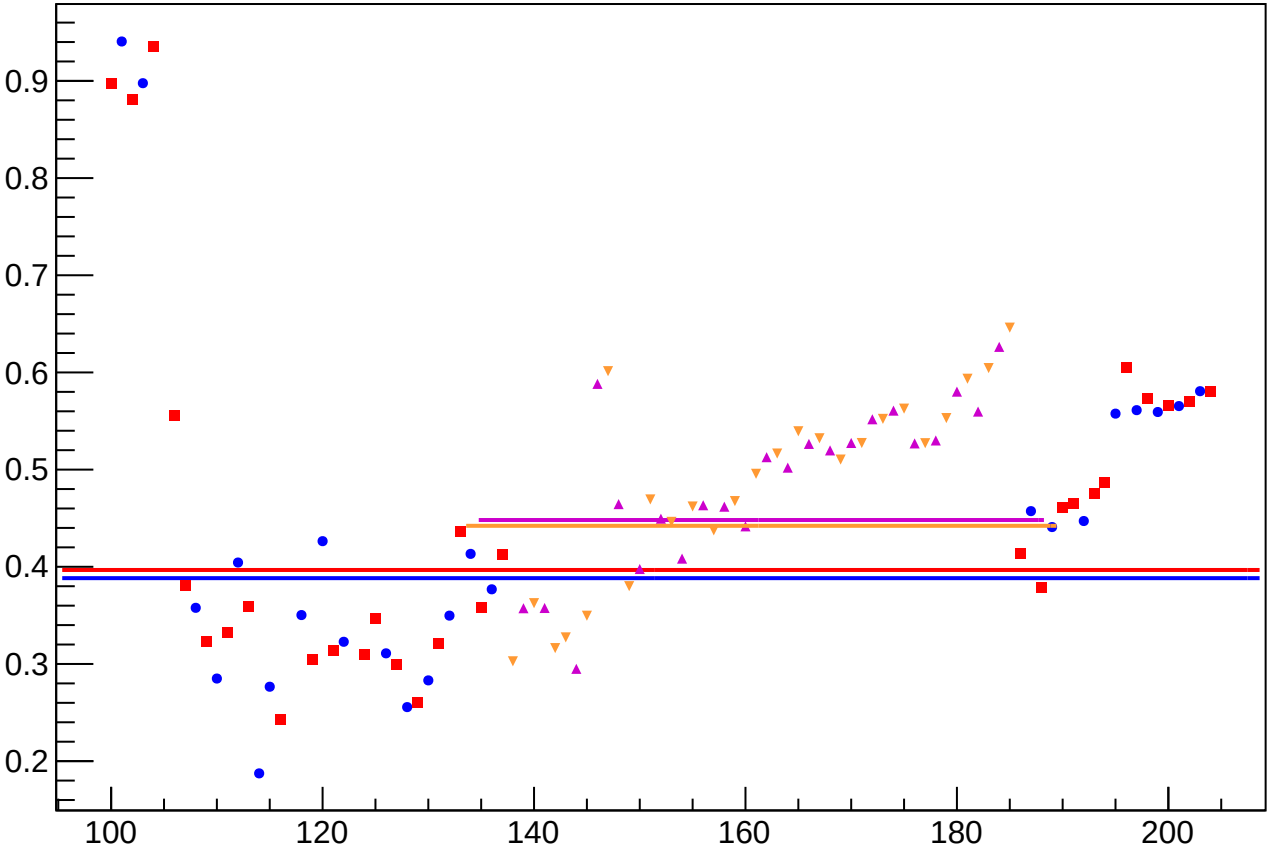
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.706+/-0.000 χ^2/NDF: 4090327747.8/48

All: 145.990+/-0.000 χ^2/NDF: 13139102464.

- sign 145.291+/-0.000 χ^2/NDF: 8882109971.2/52

yield_bcm_dg_us_rms vs Slug



Right In: 0.388+/-0.000 χ^2/NDF: 2497456.8/23

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.397+/-0.000 χ^2/NDF: 2559366.9/29

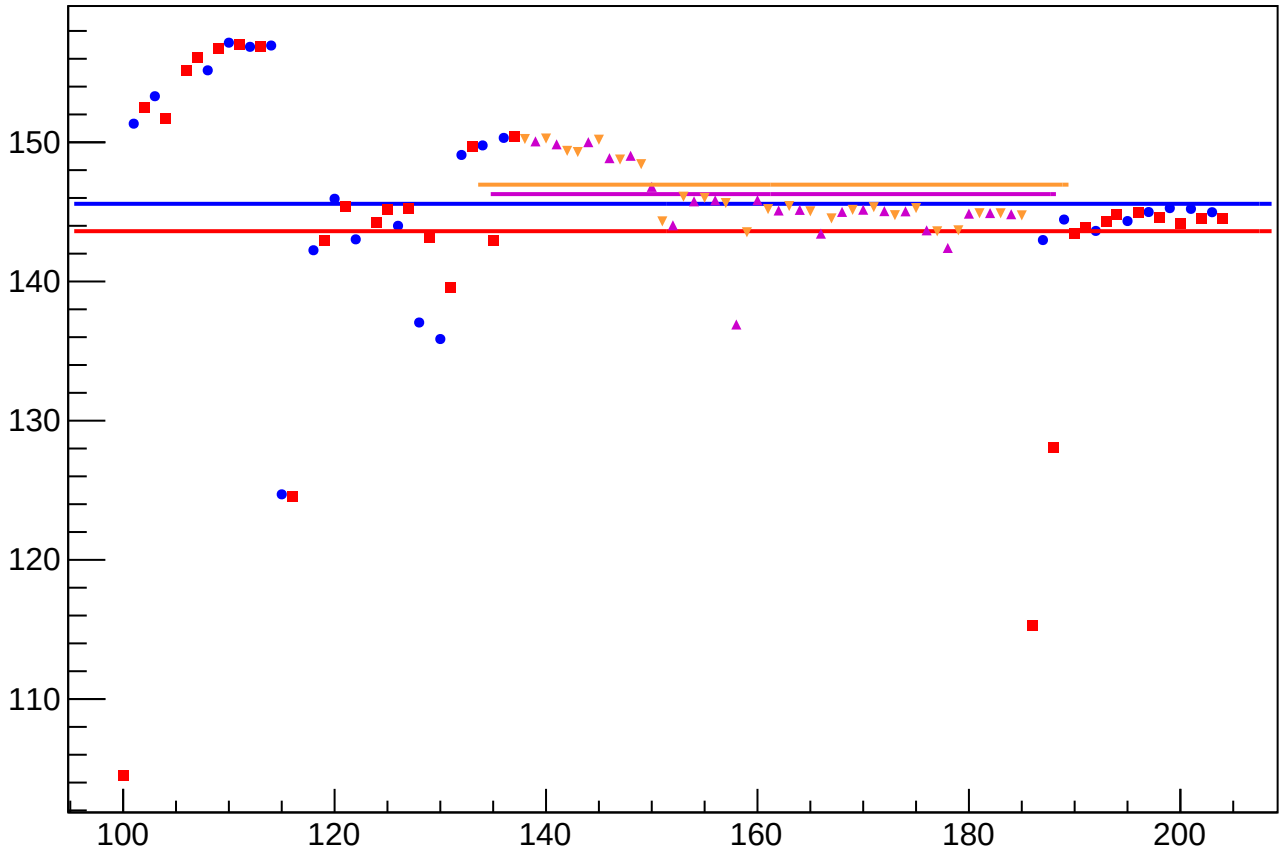
Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.418+/-0.000 χ^2/NDF: 4437354.2/48

All: 0.420+/-0.000 χ^2/NDF: 8570459.0/101

- sign 0.423+/-0.000 χ^2/NDF: 4129844.3/52

yield_bcm_dg_ds_mean vs Slug



Right In: 145.580+/-0.000 χ^2/NDF: 3661897598.5/23

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.614+/-0.000 χ^2/NDF: 7672643324.2/29

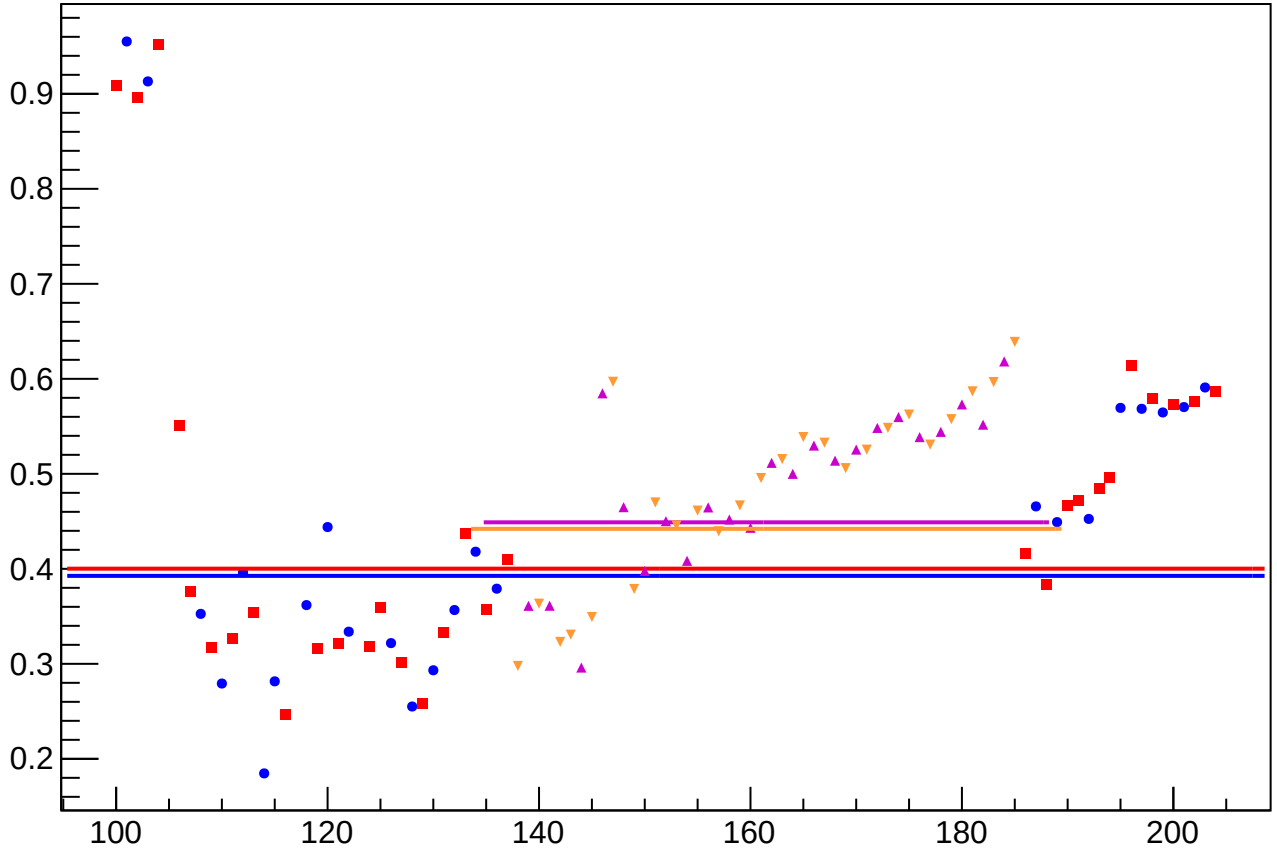
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.354+/-0.000 χ^2/NDF: 4280480540.8/48

All: 145.654+/-0.000 χ^2/NDF: 13231129533.

- sign 144.970+/-0.000 χ^2/NDF: 8793160758.2/52

yield_bcm_dg_ds_rms vs Slug



Right In: 0.393+/-0.000 χ^2/NDF: 2535081.6/23

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.400+/-0.000 χ^2/NDF: 2583625.7/29

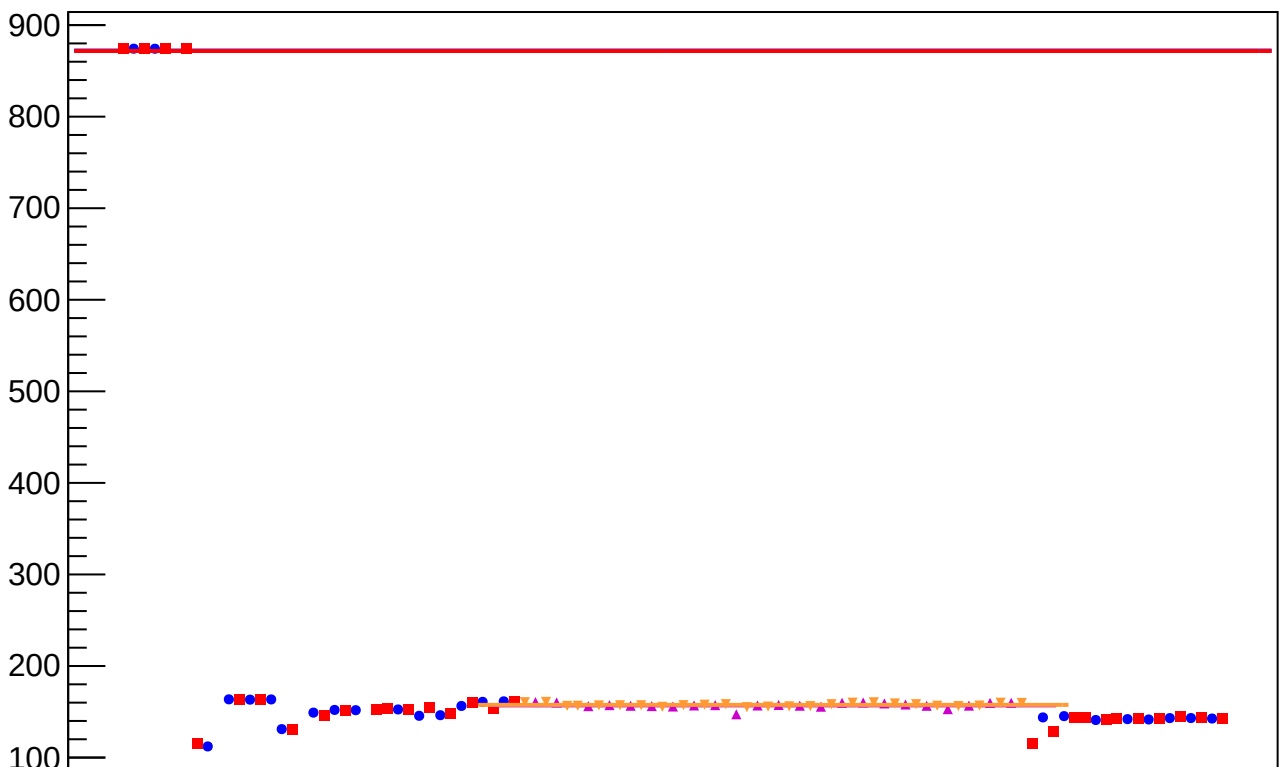
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.420+/-0.000 χ^2/NDF: 4408164.1/48

All: 0.423+/-0.000 χ^2/NDF: 8493935.4/101

- sign 0.425+/-0.000 χ^2/NDF: 4082326.8/52

yield_cav4bQ_mean vs Slug



Right In: 872.149+/-0.000 χ^2/NDF: 10691126424386.2/23

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.777+/-0.000 χ^2/NDF: 14588226899165.8/29

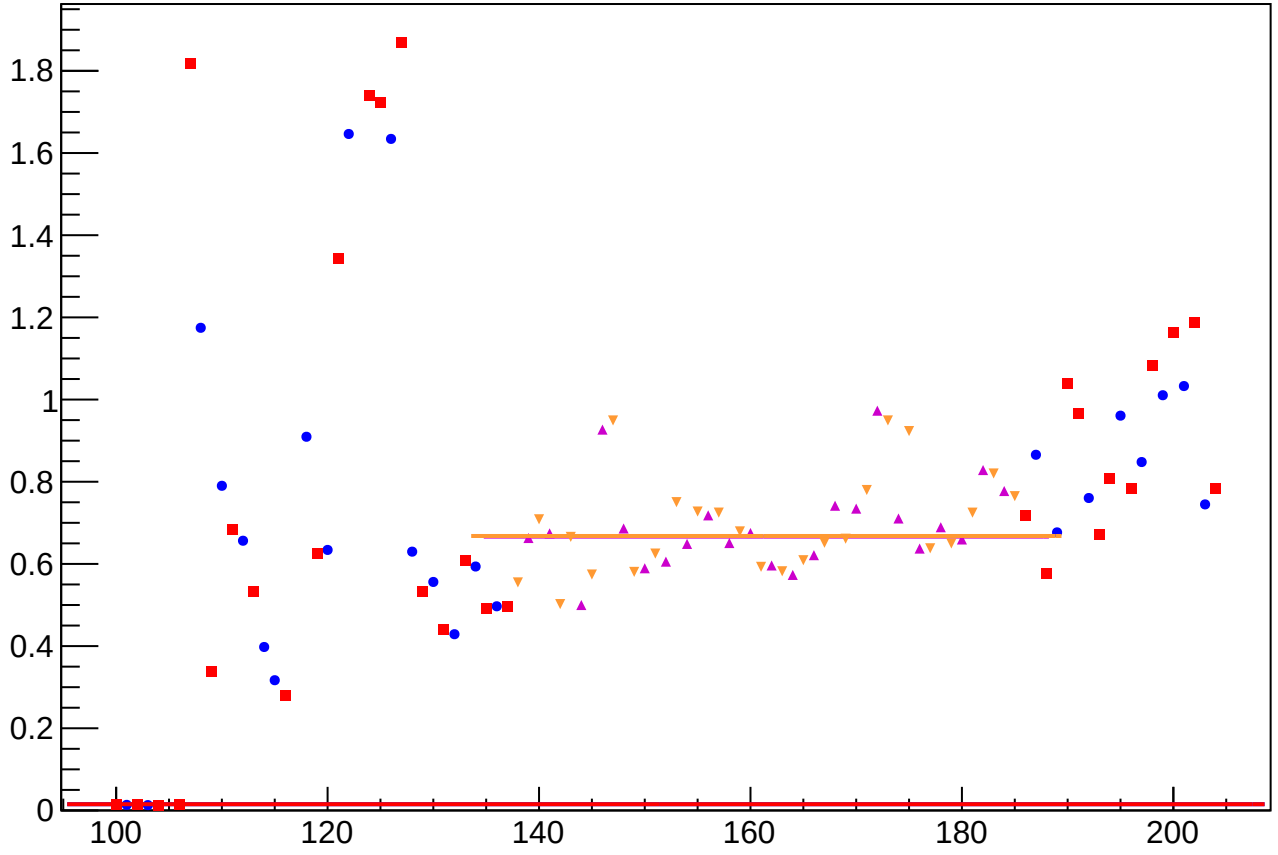
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 868.770+/-0.000 χ^2/NDF: 27909890064709.

All: 868.877+/-0.000 χ^2/NDF: 58990723466

- sign 868.970+/-0.000 χ^2/NDF: 31080680385056.6

yield_cav4bQ_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 18649854.4/23

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 22026435.4/29

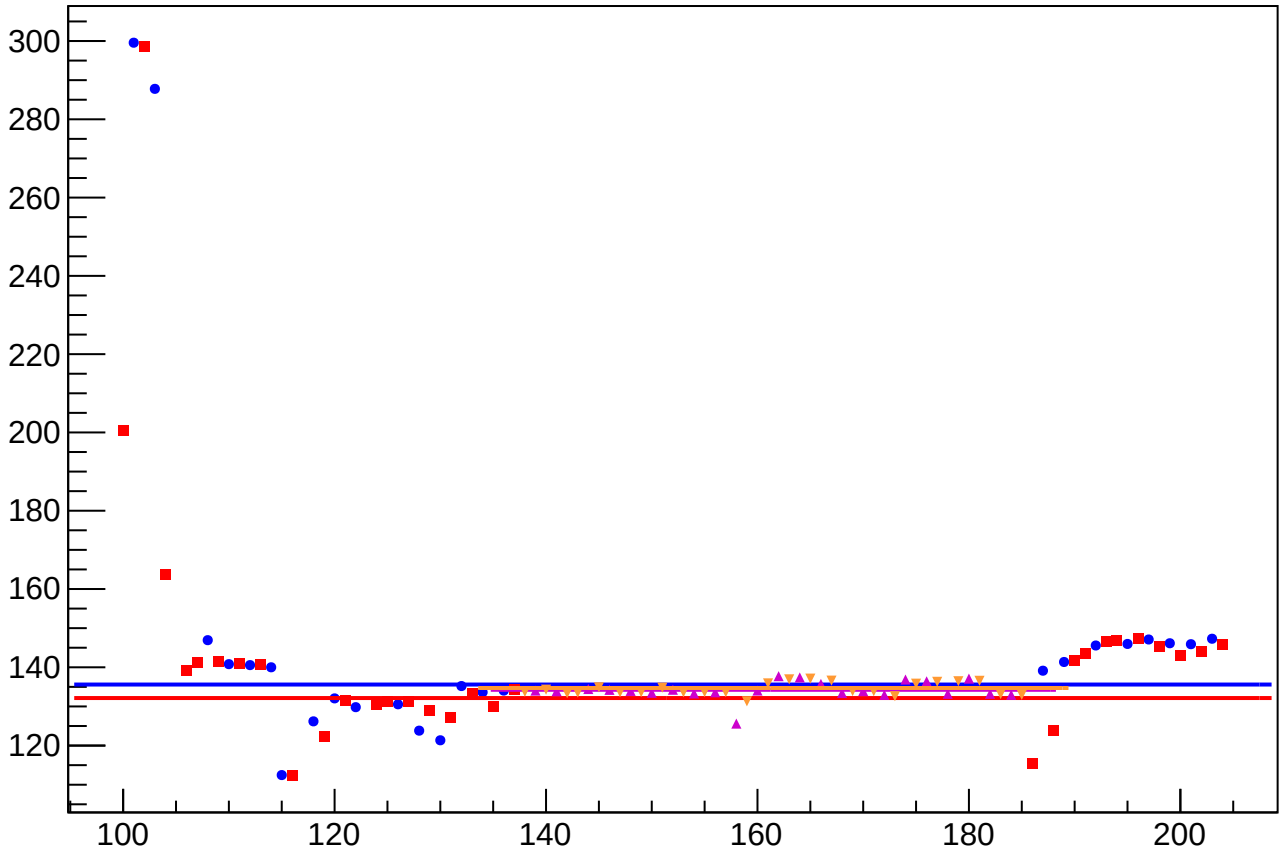
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 48074693.9/48

All: 0.018+/-0.000 χ^2/NDF: 98024558.5/101

- sign 0.018+/-0.000 χ^2/NDF: 49948059.9/52

yield_cav4cQ_mean vs Slug



Right In: 135.595+/-0.000 χ^2/NDF: 3235568054.7/23

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 132.146+/-0.000 χ^2/NDF: 4689544671.5/29

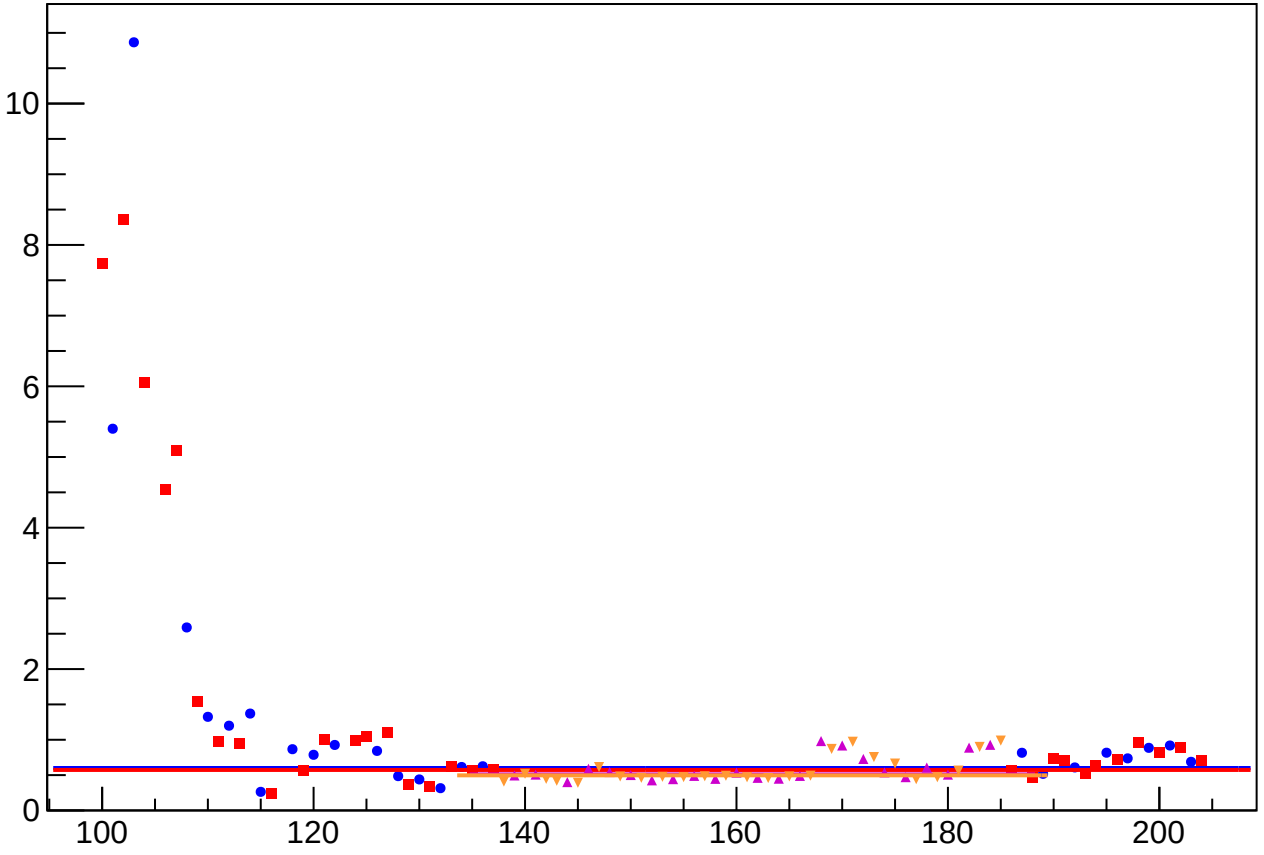
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 134.938+/-0.000 χ^2/NDF: 3408671654.9/48

All: 134.246+/-0.000 χ^2/NDF: 8713513304.1

- sign 133.557+/-0.000 χ^2/NDF: 5219158051.1/52

yield_cav4cQ_rms vs Slug



Right In: 0.601+/-0.000 χ^2/NDF: 4832771.7/23

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.573+/-0.000 χ^2/NDF: 5866224.4/29

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.523+/-0.000 χ^2/NDF: 6770352.1/48

All: 0.527+/-0.000 χ^2/NDF: 14287265.9/101

- sign 0.530+/-0.000 χ^2/NDF: 7512181.4/52

yield_cav4dQ_mean vs Slug

Right In: 1784.922+/-0.000 χ^2/NDF: 198961522269534.5/23

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1797.069+/-0.000 χ^2/NDF: 221990796463824.0/29

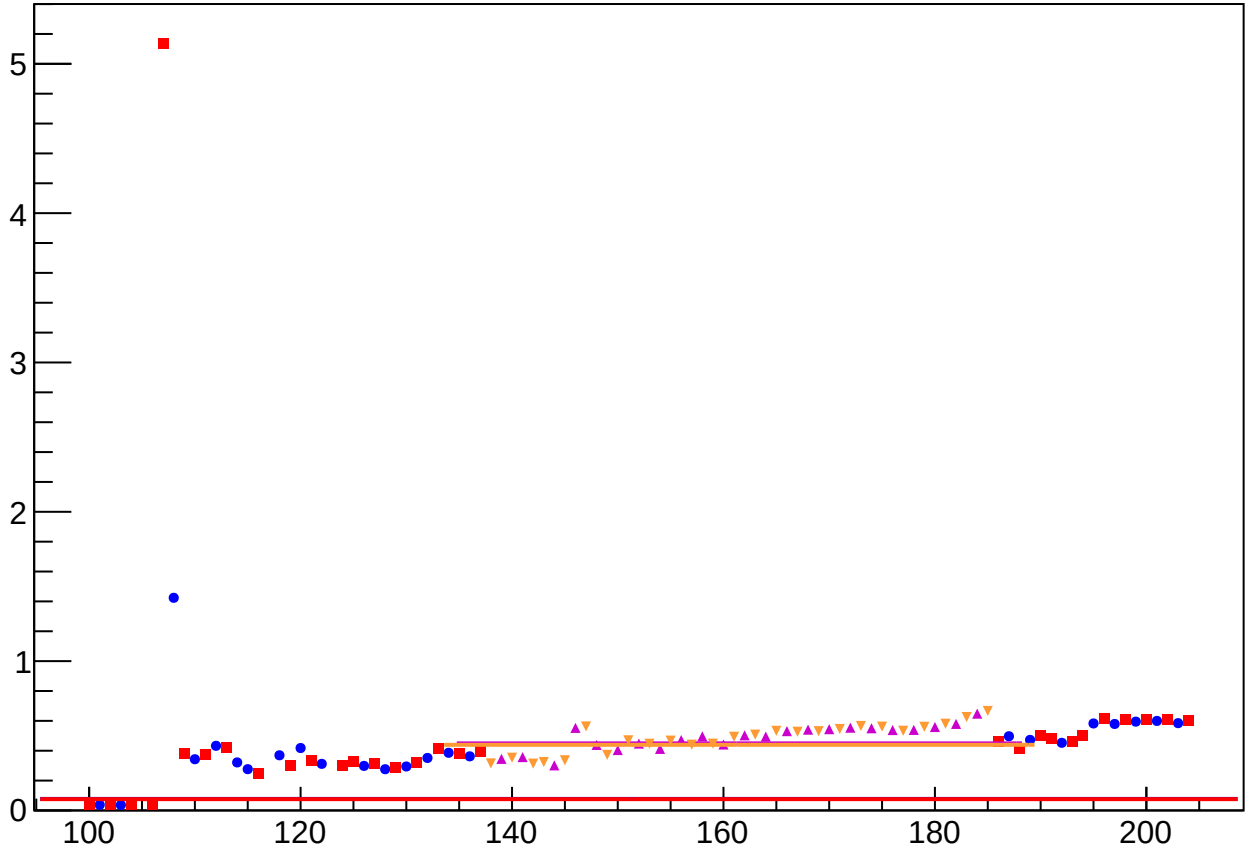
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1560.738+/-0.000 χ^2/NDF: 41663149246894

All: 1590.244+/-0.000 χ^2/NDF: 8480630461

- sign 1616.103+/-0.000 χ^2/NDF: 43031701317632

yield_cav4dQ_rms vs Slug



Right In: 0.077+/-0.000 χ^2/NDF: 16763548.3/23

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

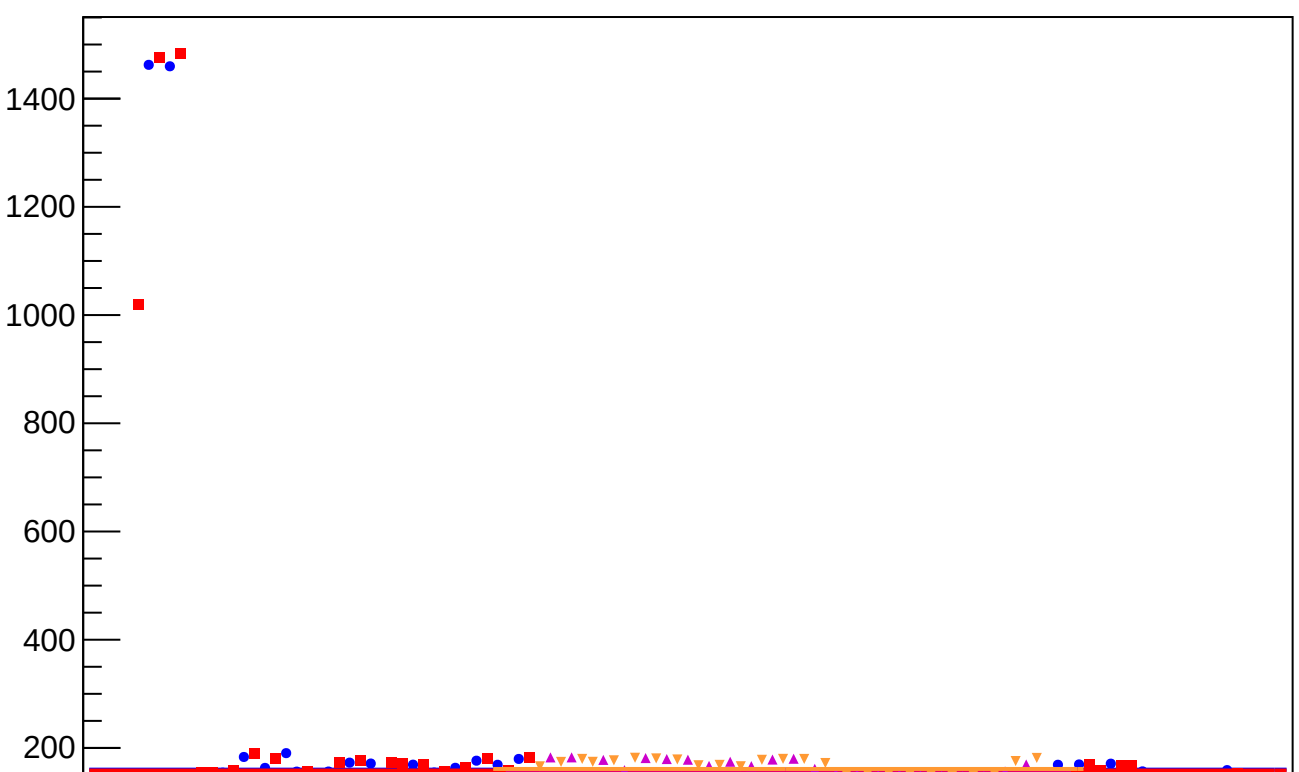
Right Out: 0.076+/-0.000 χ^2/NDF: 19495127.0/29

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.127+/-0.000 χ^2/NDF: 39587005.2/48

All: 0.121+/-0.000 χ^2/NDF: 81594429.9/101

- sign 0.117+/-0.000 χ^2/NDF: 41933984.4/52



Right In: 159.899+/-0.000 χ^2/NDF: 15735390759.2/23

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 158.285+/-0.000 χ^2/NDF: 18162557705.1/29

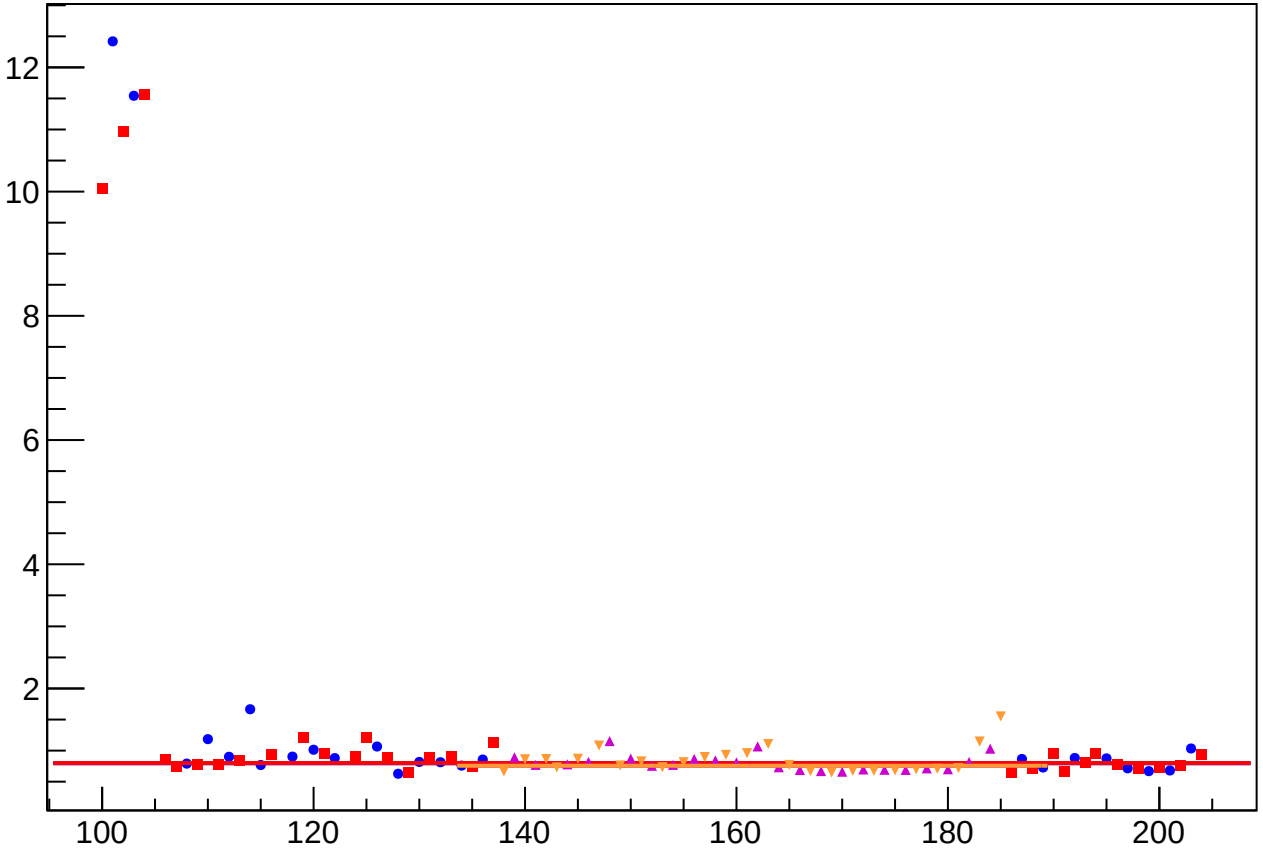
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 160.699+/-0.000 χ^2/NDF: 19488185842.3/48

All: 160.024+/-0.000 χ^2/NDF: 41456568900.

- sign 159.378+/-0.000 χ^2/NDF: 21934264220.0/52

yield_bcm0l02_rms vs Slug



Right In: 0.796+/-0.000 χ^2/NDF: 2558808.4/23

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

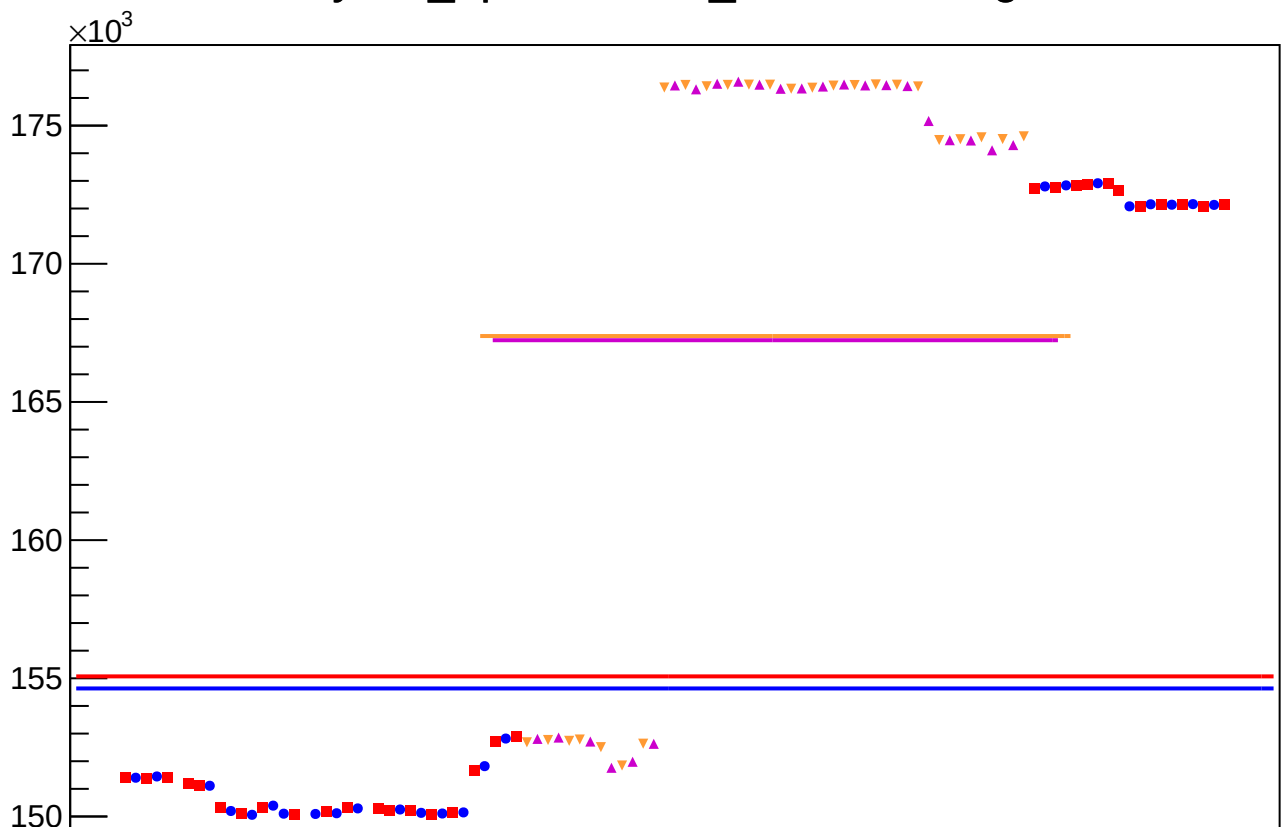
Right Out: 0.800+/-0.000 χ^2/NDF: 2453017.4/29

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.771+/-0.000 χ^2/NDF: 3337049.3/48

All: 0.772+/-0.000 χ^2/NDF: 6301080.7/101

- sign 0.774+/-0.000 χ^2/NDF: 2963687.6/52



Right In: 154633.107+/-0.049 χ^2/NDF: 29933703709.2/23

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 155069.740+/-0.045 χ^2/NDF: 38151226546.1/29

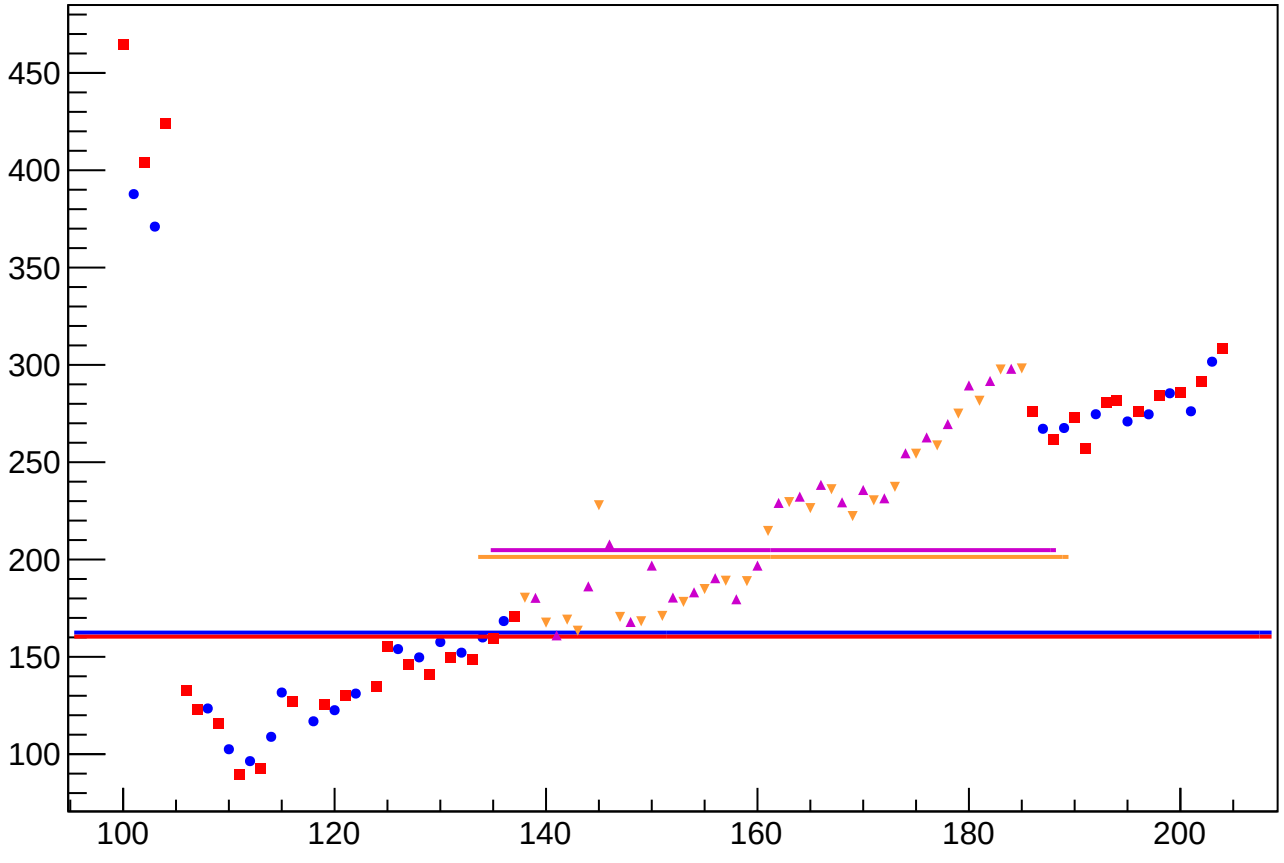
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161343.934+/-0.034 χ^2/NDF: 12481412184

All: 161020.145+/-0.024 χ^2/NDF: 2514827

- sign 160708.256+/-0.033 χ^2/NDF: 126489500999

yield_bpm2i01WS_rms vs Slug



Right In: 162.461+/-0.035 χ^2/NDF: 3968729.1/23

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

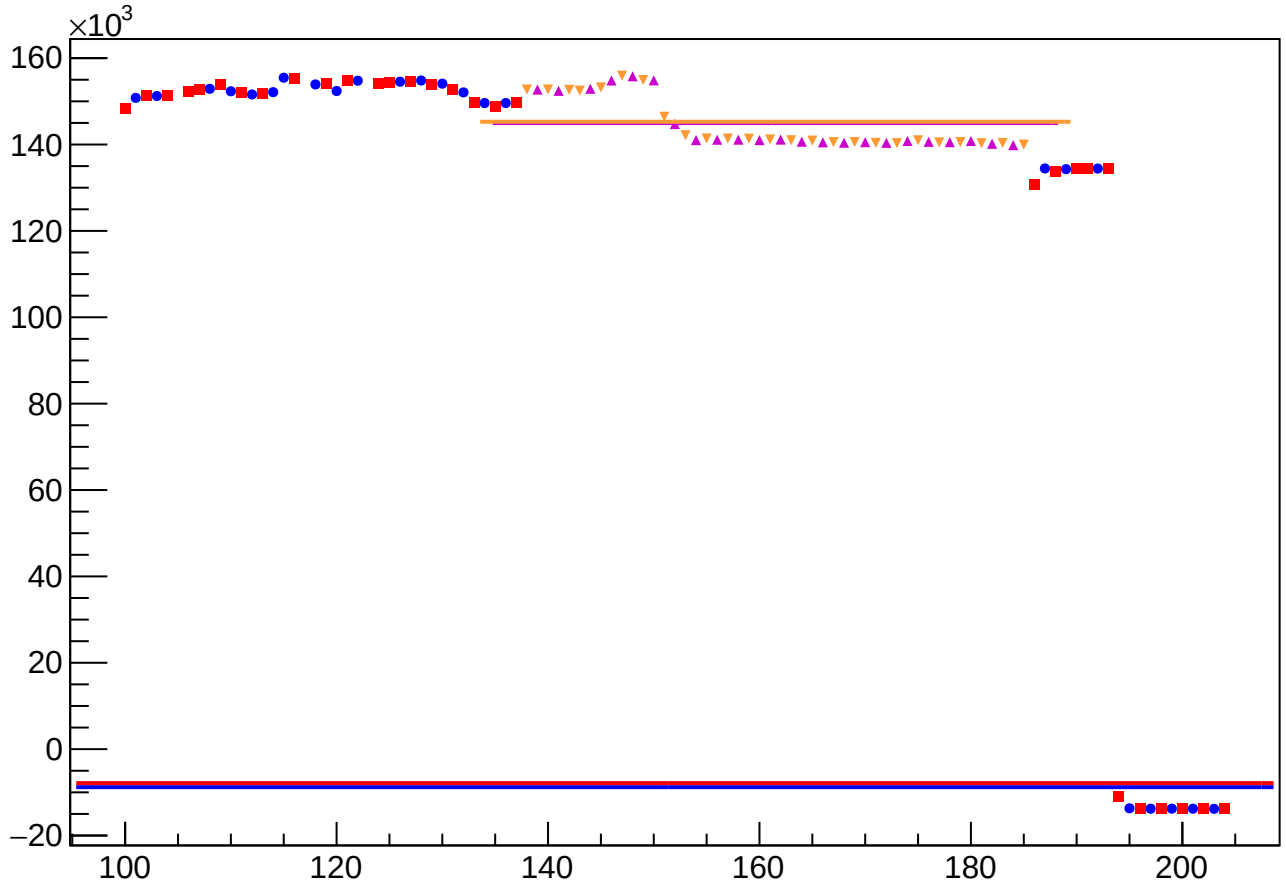
Right Out: 160.376+/-0.032 χ^2/NDF: 5292504.7/29

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 182.915+/-0.024 χ^2/NDF: 5854802.4/48

All: 181.929+/-0.017 χ^2/NDF: 13091376.9/10

- sign 180.980+/-0.024 χ^2/NDF: 7233255.2/52



Right In: -8797.904+/-0.012 χ^2/NDF: 5802443748044.1/23

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -7865.801+/-0.011 χ^2/NDF: 7054488327091.9/29

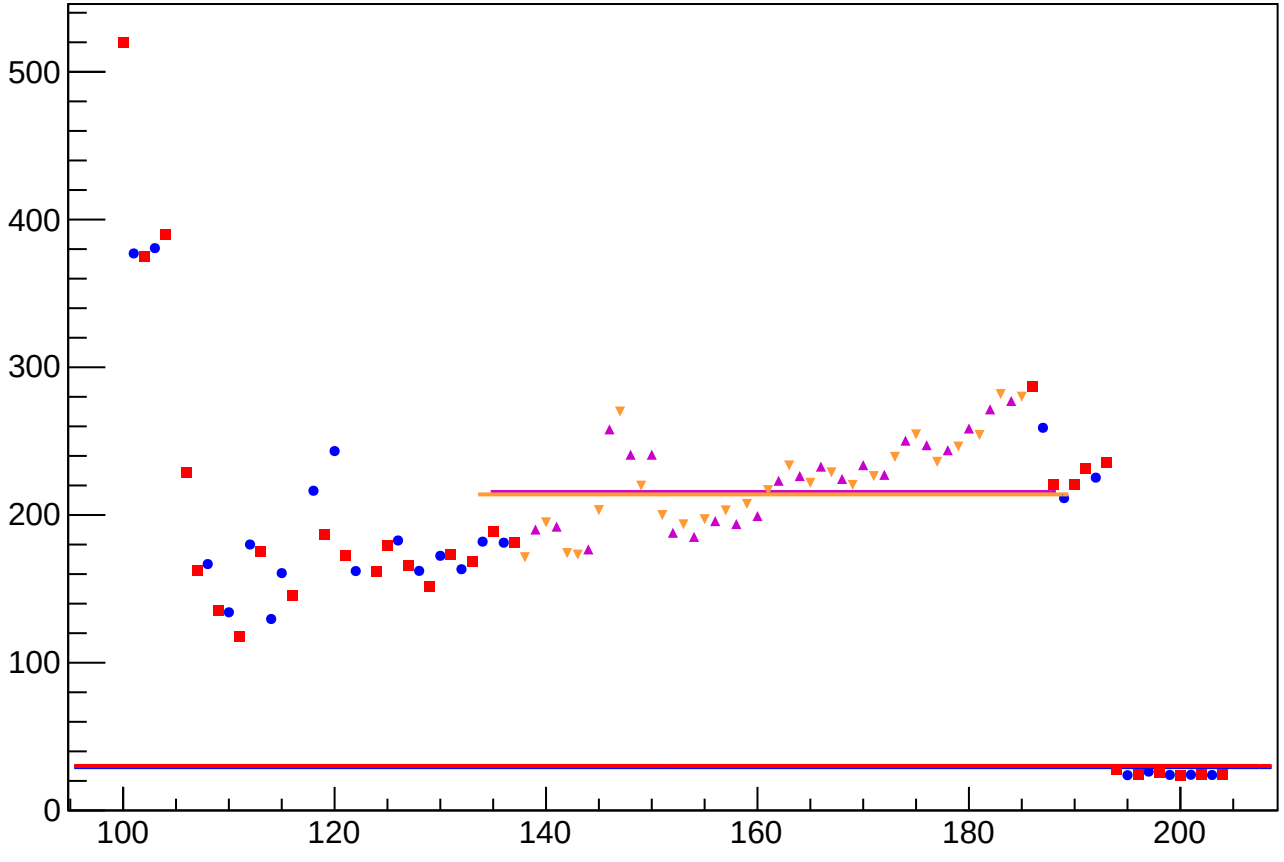
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -650.469+/-0.011 χ^2/NDF: 15033214282985.

All: -740.973+/-0.008 χ^2/NDF: 3059937524

- sign -825.714+/-0.011 χ^2/NDF: 15566037998189.

yield_bpm0i07WS_rms vs Slug



Right In: 29.347+/-0.008 χ^2/NDF: 12516762.1/23

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

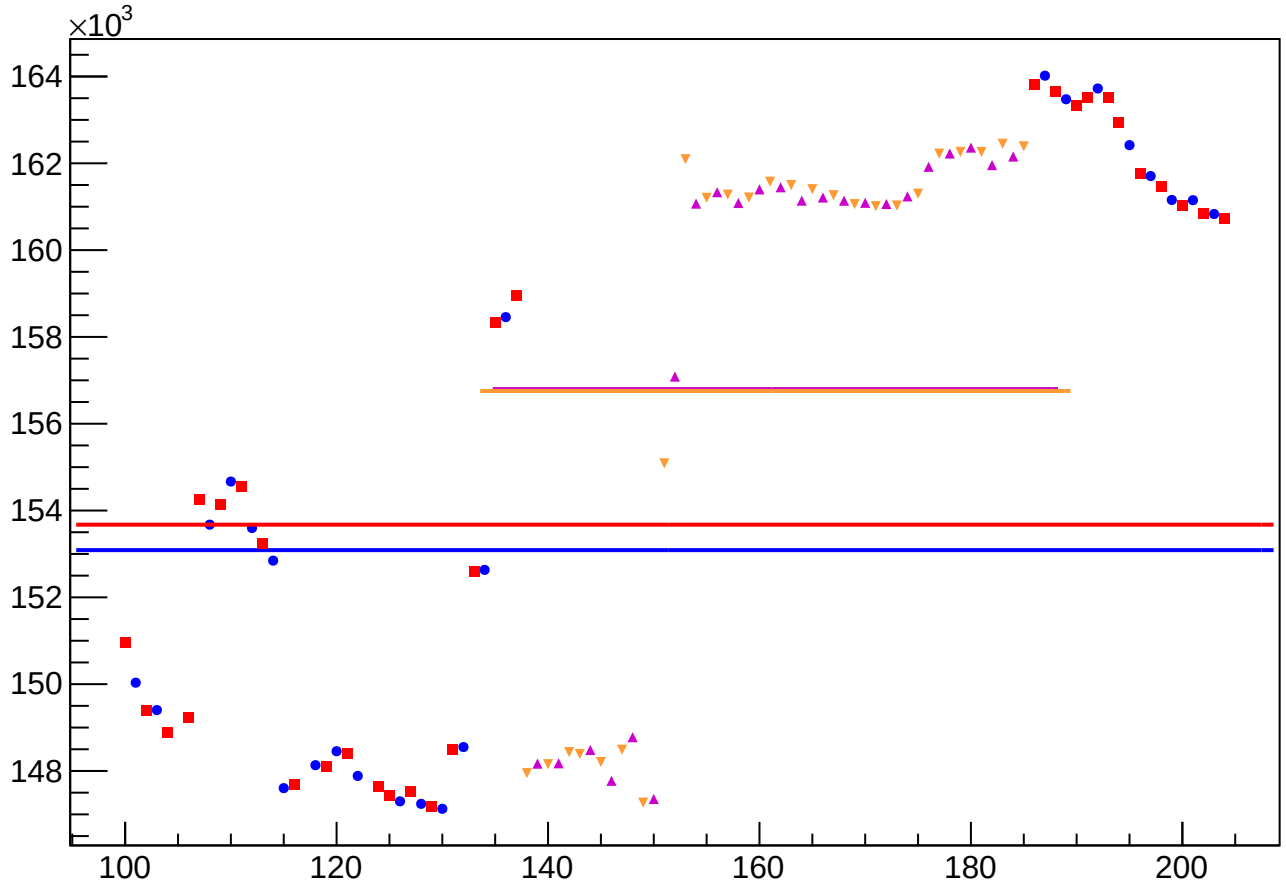
Right Out: 30.125+/-0.008 χ^2/NDF: 14235932.6/29

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 39.109+/-0.008 χ^2/NDF: 39633105.3/48

All: 38.880+/-0.006 χ^2/NDF: 79487200.4/101

- sign 38.666+/-0.008 χ^2/NDF: 39852527.1/52



Right In: 153087.879+/-0.056 χ^2/NDF: 10140353586.7/23

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 153673.961+/-0.052 χ^2/NDF: 11688165115.9/29

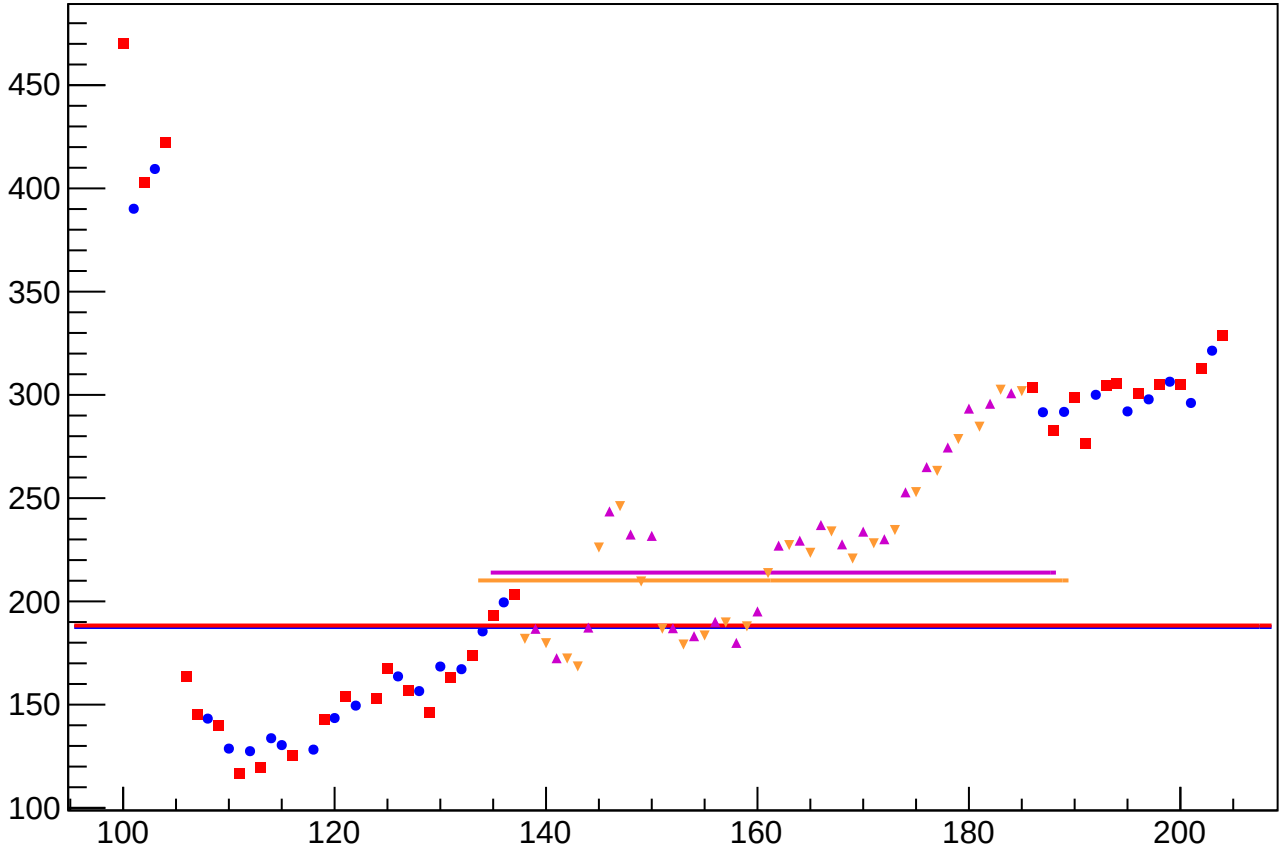
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 155178.267+/-0.037 χ^2/NDF: 28963517051.

All: 155230.594+/-0.026 χ^2/NDF: 5682363

- sign 155282.446+/-0.037 χ^2/NDF: 27856072227.

yield_bpm0i01WS_rms vs Slug



Right In: 187.592+/-0.040 χ^2/NDF: 3327596.0/23

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

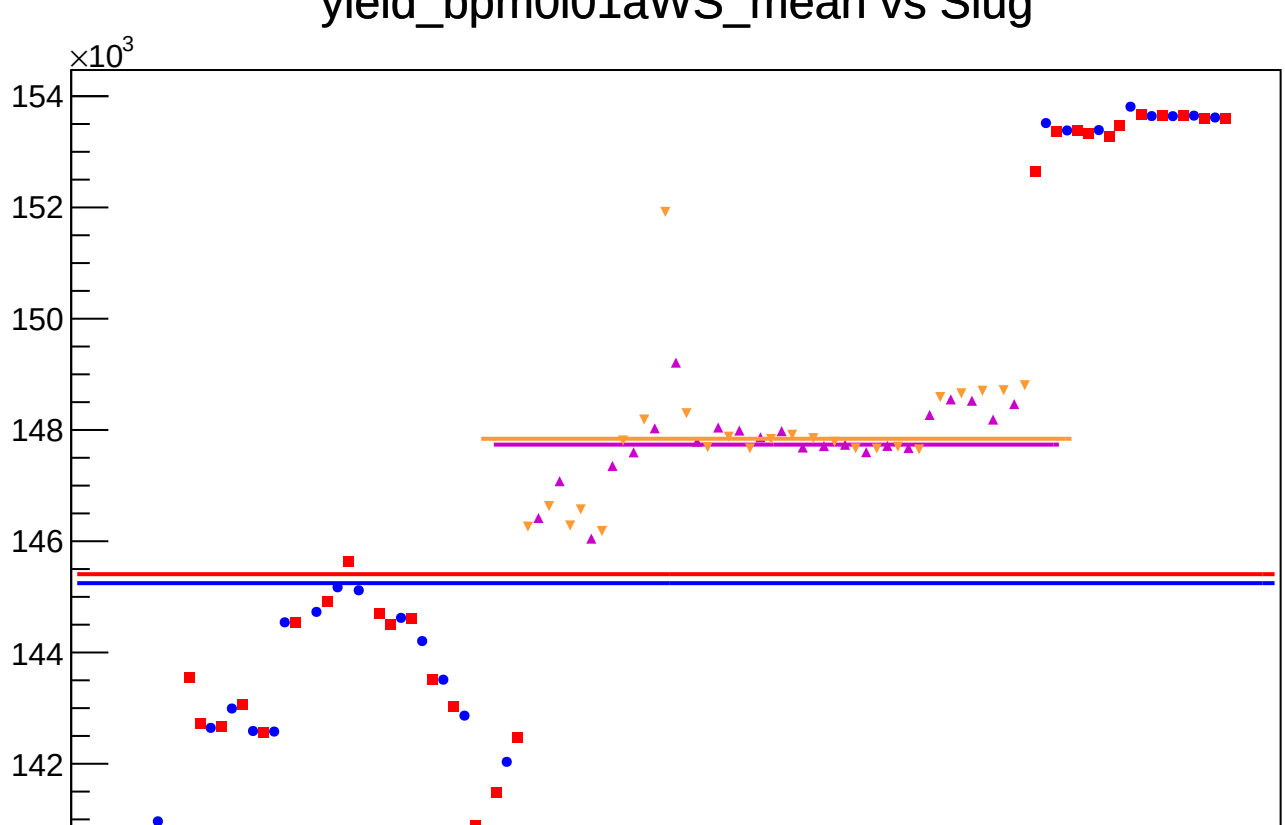
Right Out: 188.310+/-0.037 χ^2/NDF: 4246913.1/29

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 200.449+/-0.026 χ^2/NDF: 4510178.1/48

All: 200.982+/-0.018 χ^2/NDF: 9917995.8/101

- sign 201.509+/-0.026 χ^2/NDF: 5406981.0/52



Right In: 145246.539+/-0.048 χ^2/NDF: 7575787452.0/23

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 145407.714+/-0.044 χ^2/NDF: 9364844022.5/29

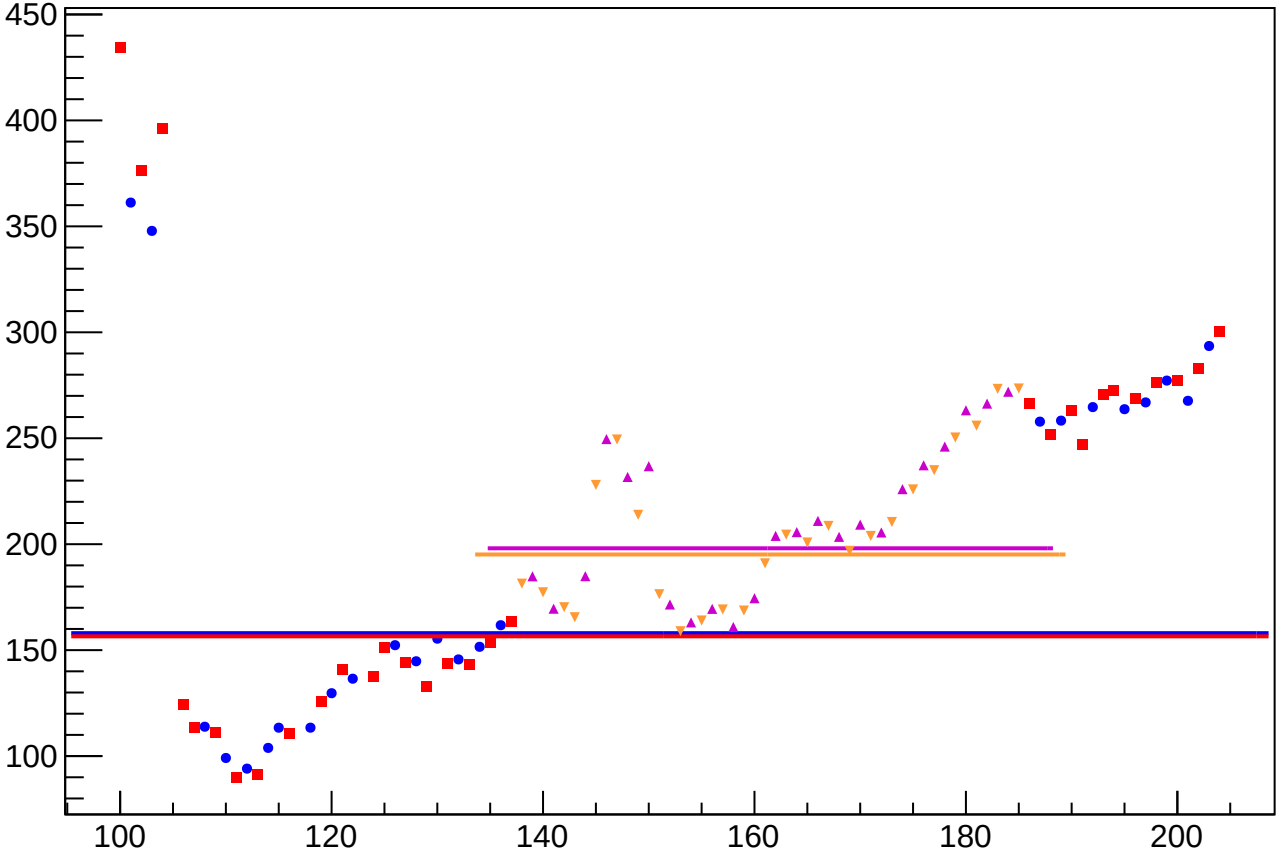
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 146621.120+/-0.033 χ^2/NDF: 9844911992.2

All: 146557.956+/-0.023 χ^2/NDF: 20741055

- sign 146496.984+/-0.032 χ^2/NDF: 10888874043.9

yield_bpm0i01aWS_rms vs Slug



Right In: 158.008+/-0.034 χ^2/NDF: 3912736.0/23

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

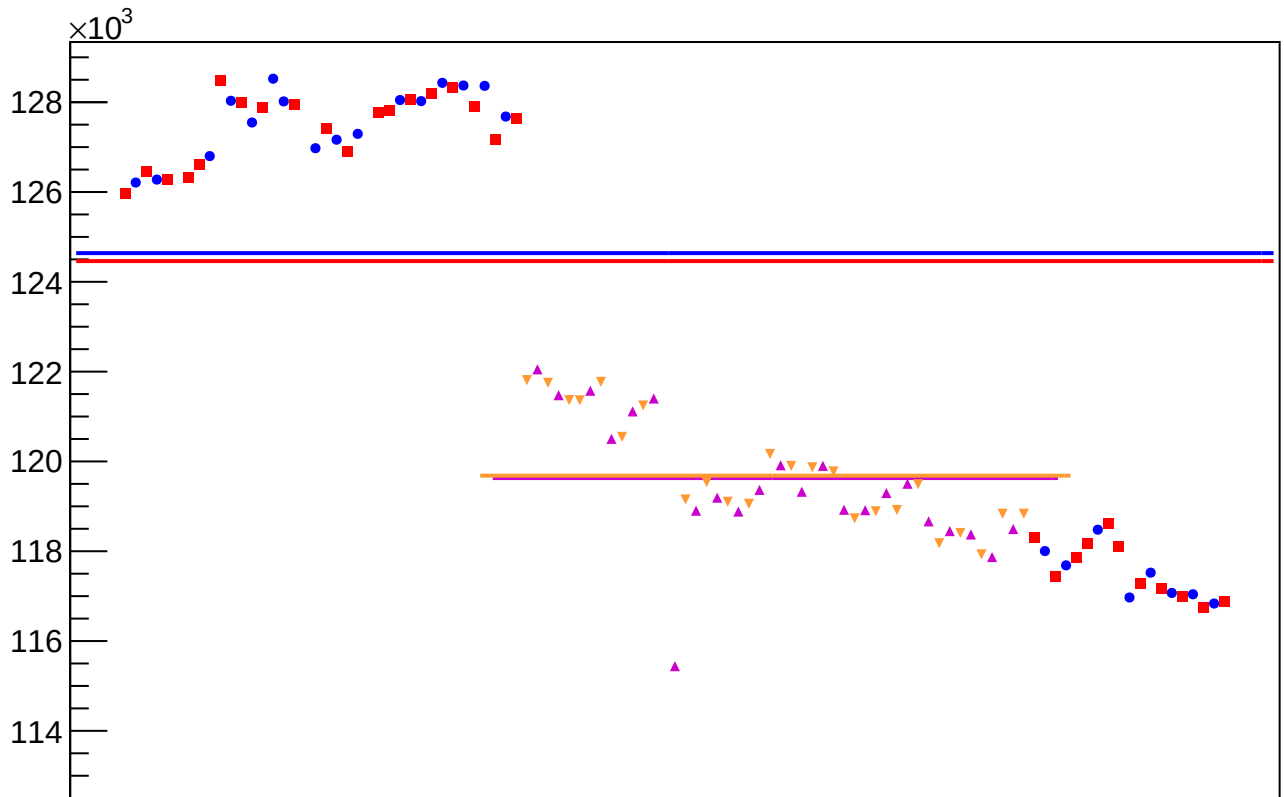
Right Out: 156.512+/-0.031 χ^2/NDF: 5155502.5/29

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 177.675+/-0.023 χ^2/NDF: 5453813.8/48

All: 176.793+/-0.016 χ^2/NDF: 12337889.4/10

- sign 175.942+/-0.023 χ^2/NDF: 6881241.7/52



Right In: 124639.302+/-0.049 χ^2/NDF: 9402995484.1/23

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 124461.672+/-0.045 χ^2/NDF: 11301195549.6/29

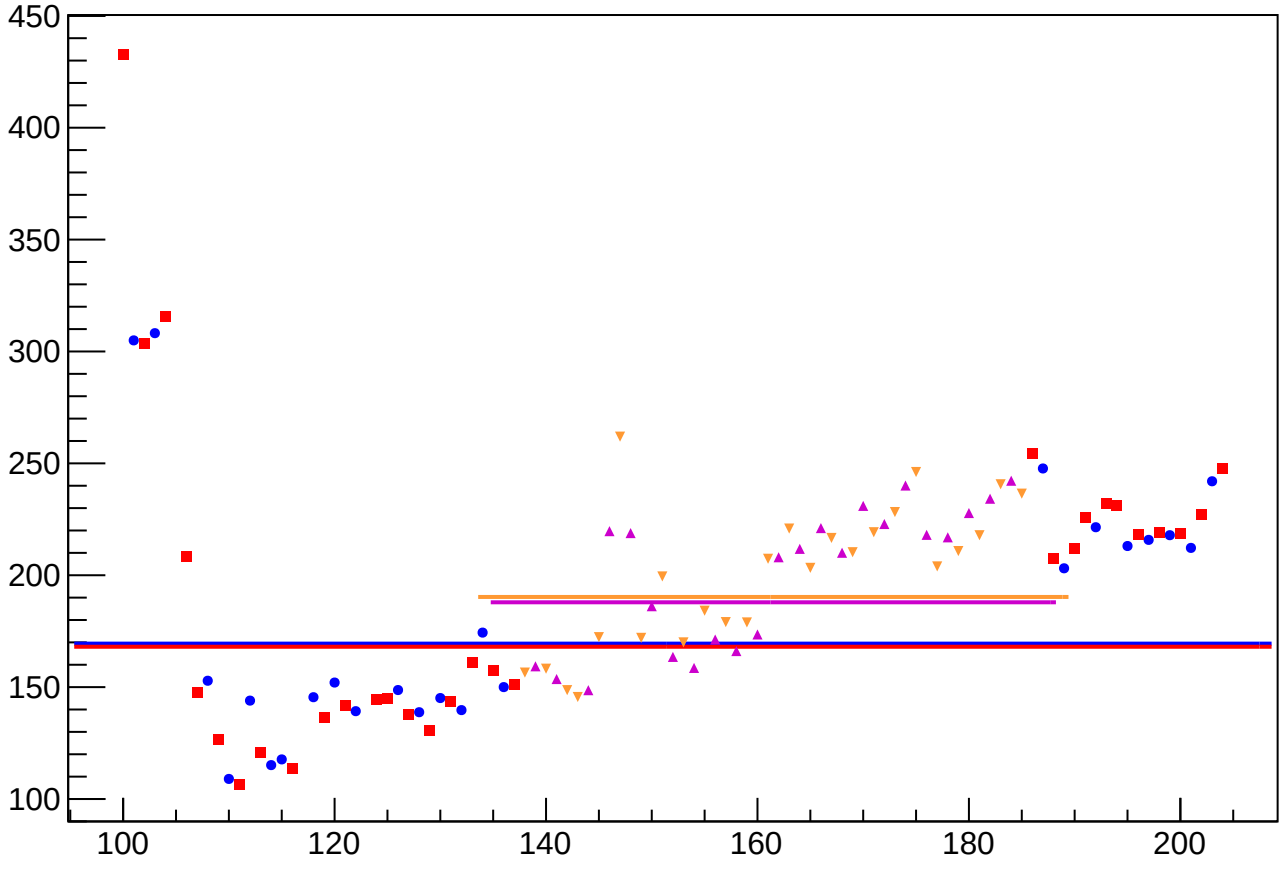
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 121912.253+/-0.033 χ^2/NDF: 1702617911

All: 121971.672+/-0.023 χ^2/NDF: 3537716

- sign 122027.849+/-0.032 χ^2/NDF: 18344618333.

yield_bpm0l01WS_rms vs Slug



Right In: 169.440+/-0.035 χ^2/NDF: 1714718.8/23

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

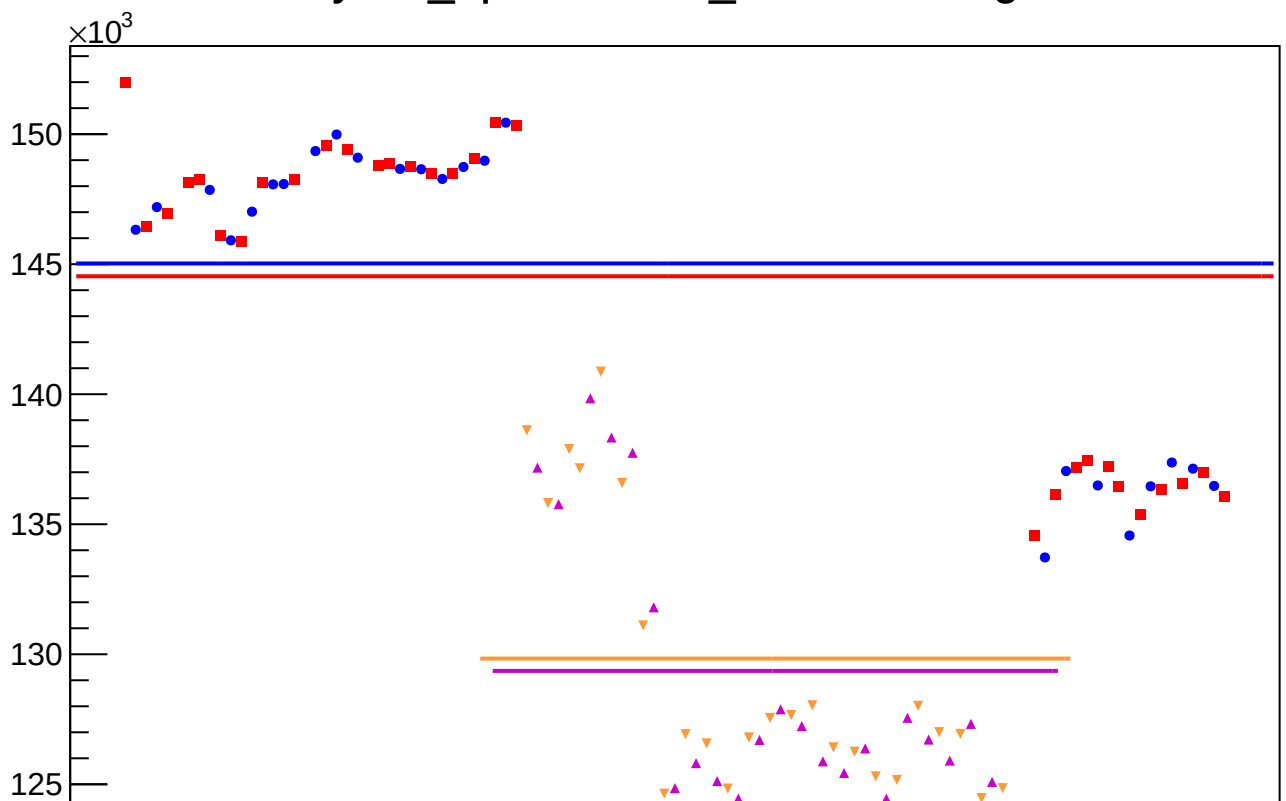
Right Out: 168.046+/-0.032 χ^2/NDF: 2507699.4/29

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 180.917+/-0.023 χ^2/NDF: 2838971.2/48

All: 179.444+/-0.016 χ^2/NDF: 6474056.3/101

- sign 178.051+/-0.023 χ^2/NDF: 3627248.6/52



Right In: 145027.436+/-0.069 χ^2/NDF: 6598850380.7/23

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 144536.015+/-0.063 χ^2/NDF: 7949225474.7/29

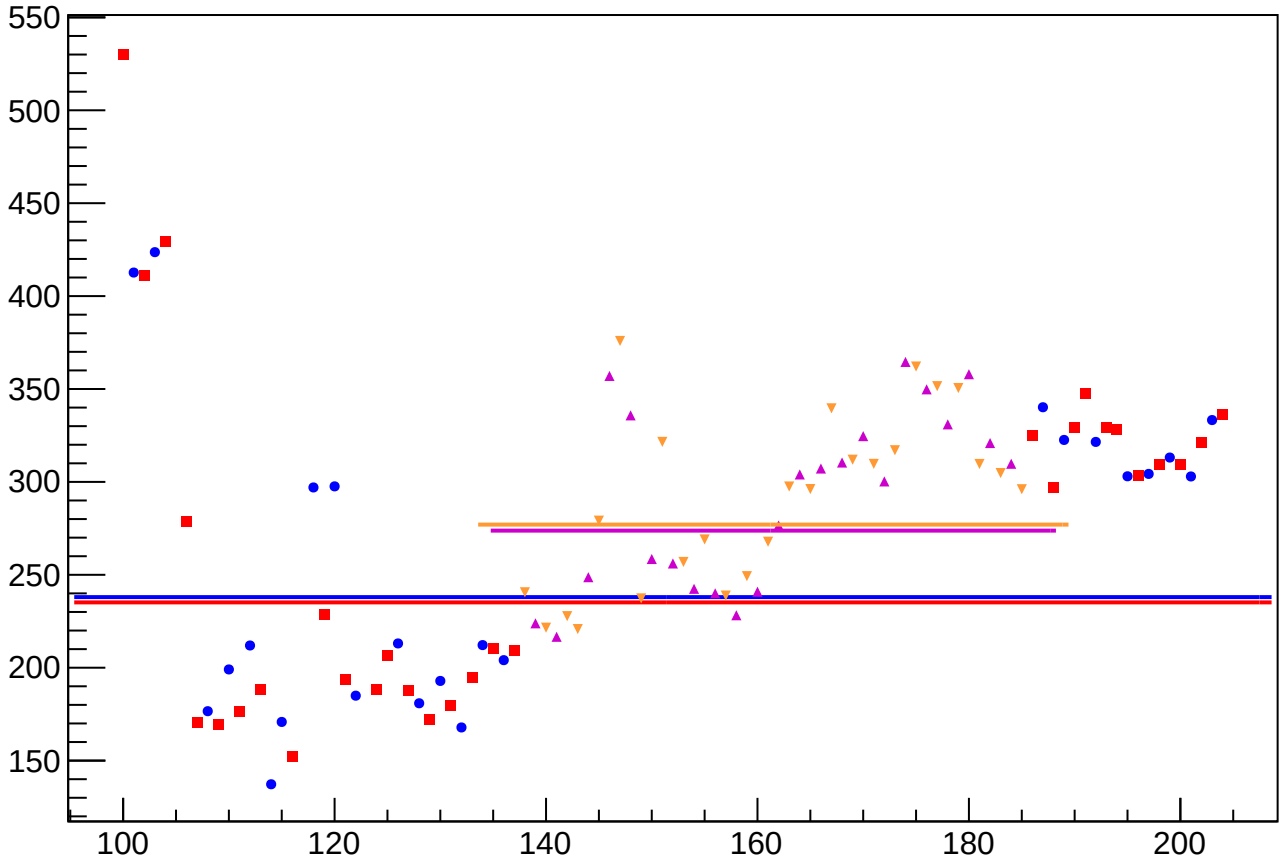
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136869.771+/-0.047 χ^2/NDF: 39326761103.

All: 137025.672+/-0.033 χ^2/NDF: 8167756

- sign 137171.687+/-0.046 χ^2/NDF: 42329532228.

yield_bpm0l02WS_rms vs Slug



Right In: 237.991+/-0.049 χ^2/NDF: 1972218.6/23

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

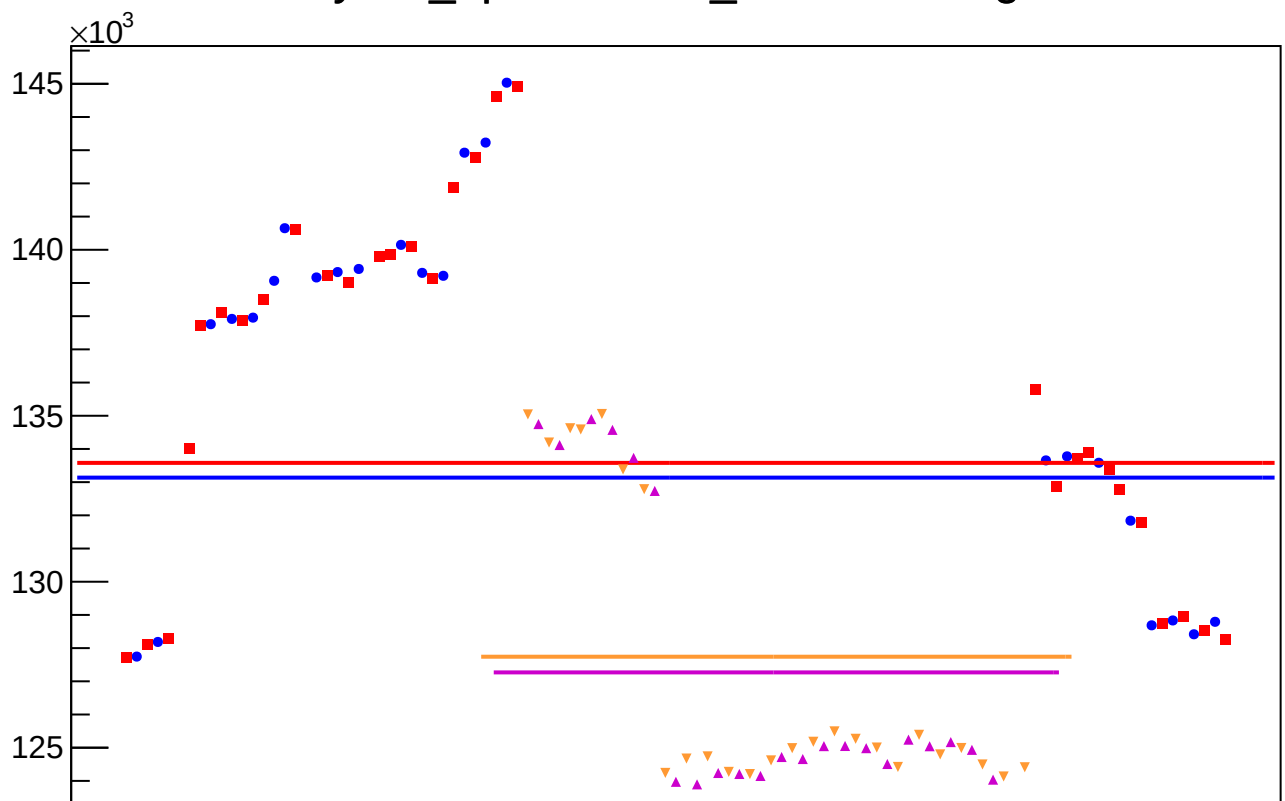
Right Out: 235.160+/-0.045 χ^2/NDF: 2467627.4/29

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 258.948+/-0.033 χ^2/NDF: 3261123.4/48

All: 256.343+/-0.023 χ^2/NDF: 7104117.4/101

- sign 253.904+/-0.032 χ^2/NDF: 3831120.3/52



Right In: 133136.400+/-0.113 χ^2/NDF: 2465679931.4/23

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 133580.428+/-0.115 χ^2/NDF: 1633300386.7/29

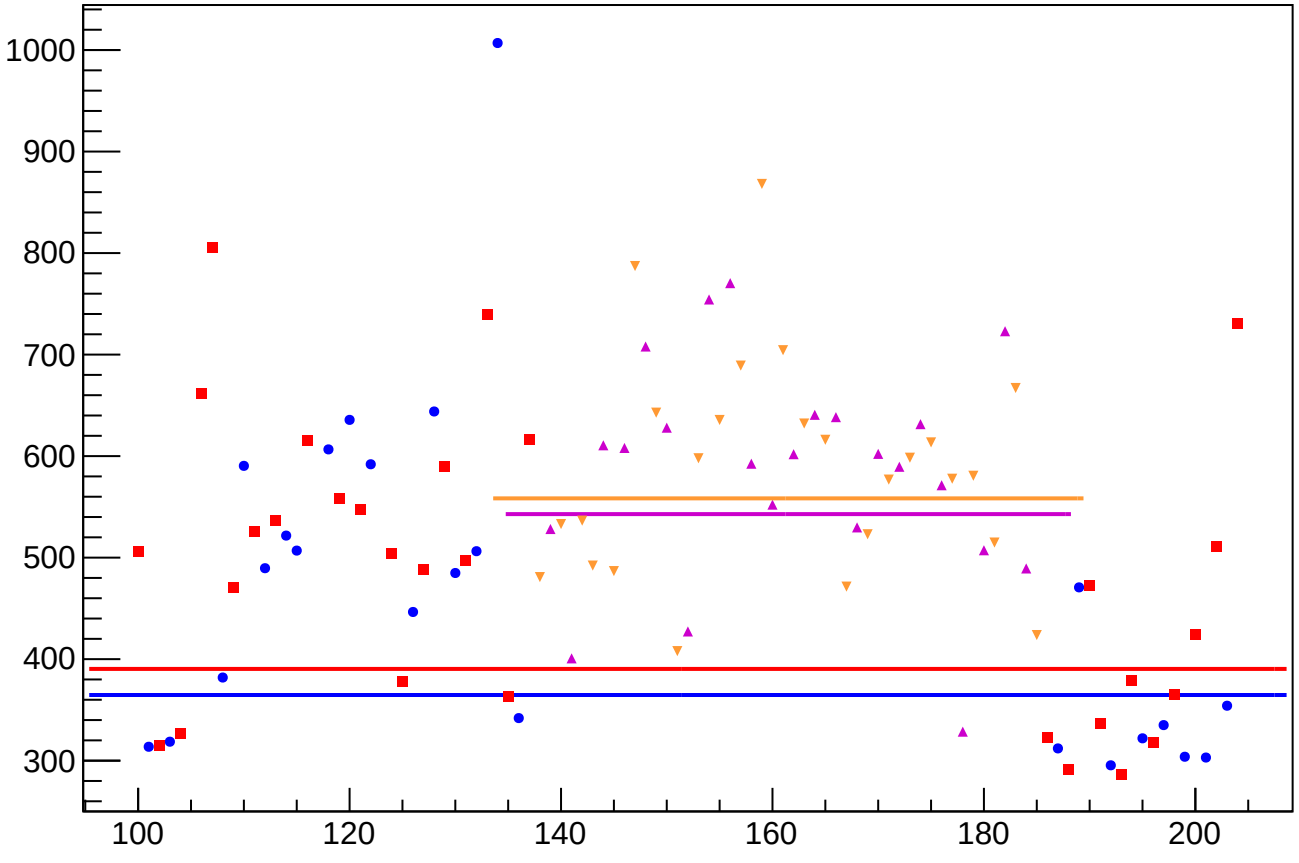
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 130917.621+/-0.087 χ^2/NDF: 4490590204.8

All: 130963.109+/-0.062 χ^2/NDF: 83252563

- sign 131010.182+/-0.088 χ^2/NDF: 3834109156.8/

yield_bpm0l03WS_rms vs Slug



Right In: 364.683+/-0.080 χ^2/NDF: 1480892.6/23

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

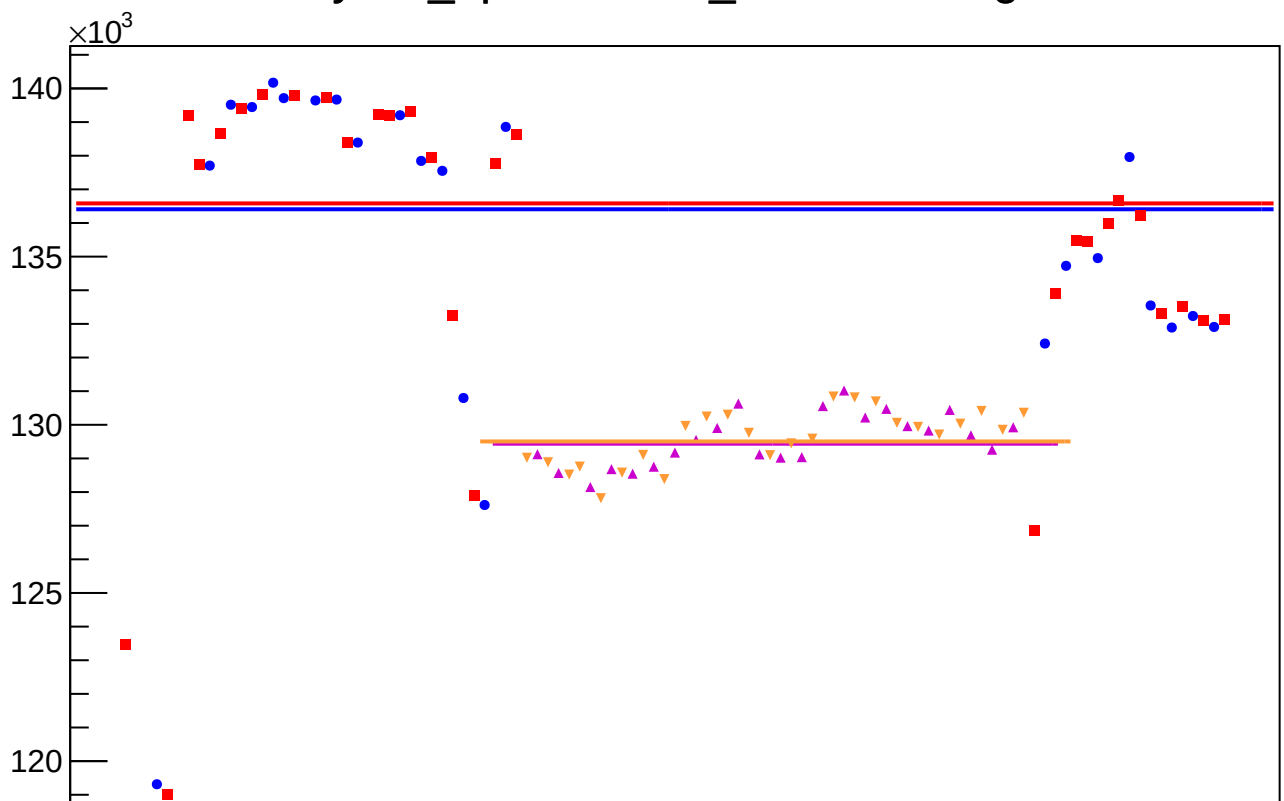
Right Out: 390.381+/-0.081 χ^2/NDF: 1878741.8/29

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 444.337+/-0.061 χ^2/NDF: 4852517.6/48

All: 448.337+/-0.044 χ^2/NDF: 9591704.3/101

- sign 452.476+/-0.063 χ^2/NDF: 4730573.3/52



Right In: 136407.802+/-0.062 χ^2/NDF: 6261293186.8/23

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136582.282+/-0.057 χ^2/NDF: 6631863319.9/29

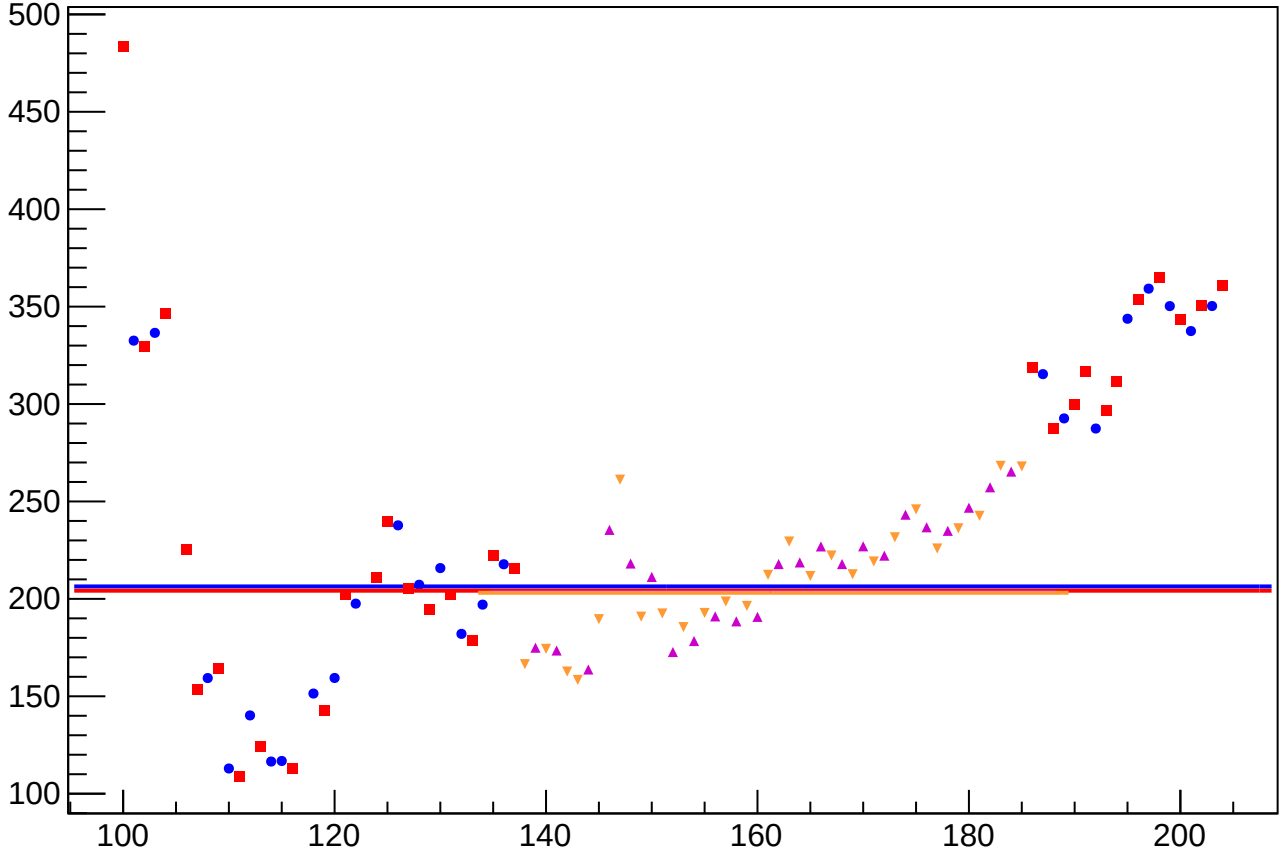
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 132026.246+/-0.037 χ^2/NDF: 14440445402.

All: 132225.745+/-0.026 χ^2/NDF: 30482674

- sign 132420.176+/-0.037 χ^2/NDF: 1598617476

yield_bpm0l04WS_rms vs Slug



Right In: 206.377+/-0.044 χ^2/NDF: 3325424.5/23

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

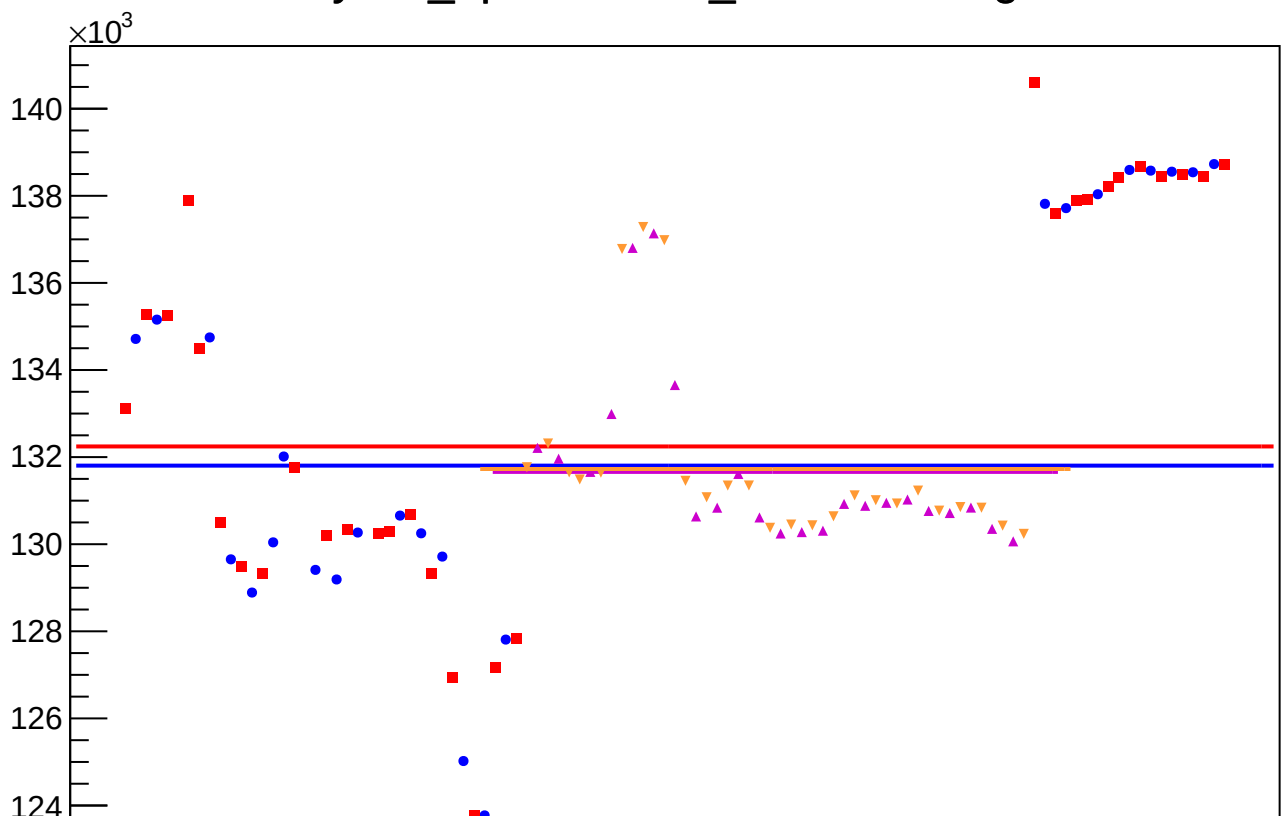
Right Out: 204.201+/-0.040 χ^2/NDF: 4405670.4/29

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 204.315+/-0.026 χ^2/NDF: 4087362.3/48

All: 204.064+/-0.019 χ^2/NDF: 9159406.4/101

- sign 203.820+/-0.026 χ^2/NDF: 5071866.7/52



Right In: 131804.258+/-0.056 χ^2/NDF: 6842877982.2/23

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 132244.774+/-0.052 χ^2/NDF: 7644197055.0/29

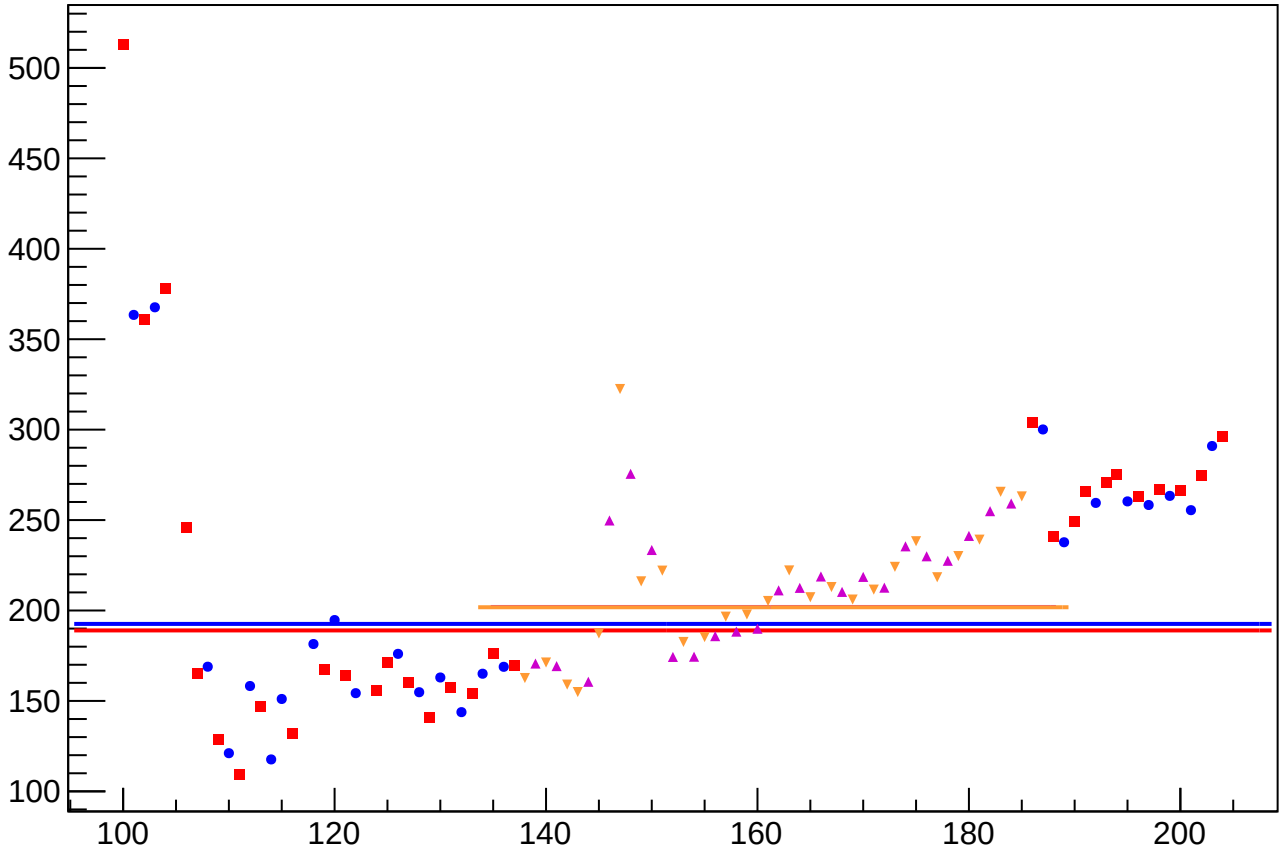
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 131758.618+/-0.036 χ^2/NDF: 8269032541.9

All: 131847.014+/-0.025 χ^2/NDF: 17157678

- sign 131931.715+/-0.035 χ^2/NDF: 887685870.0/

yield_bpm0l05WS_rms vs Slug



Right In: 192.585+/-0.040 χ^2/NDF: 2119256.9/23

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

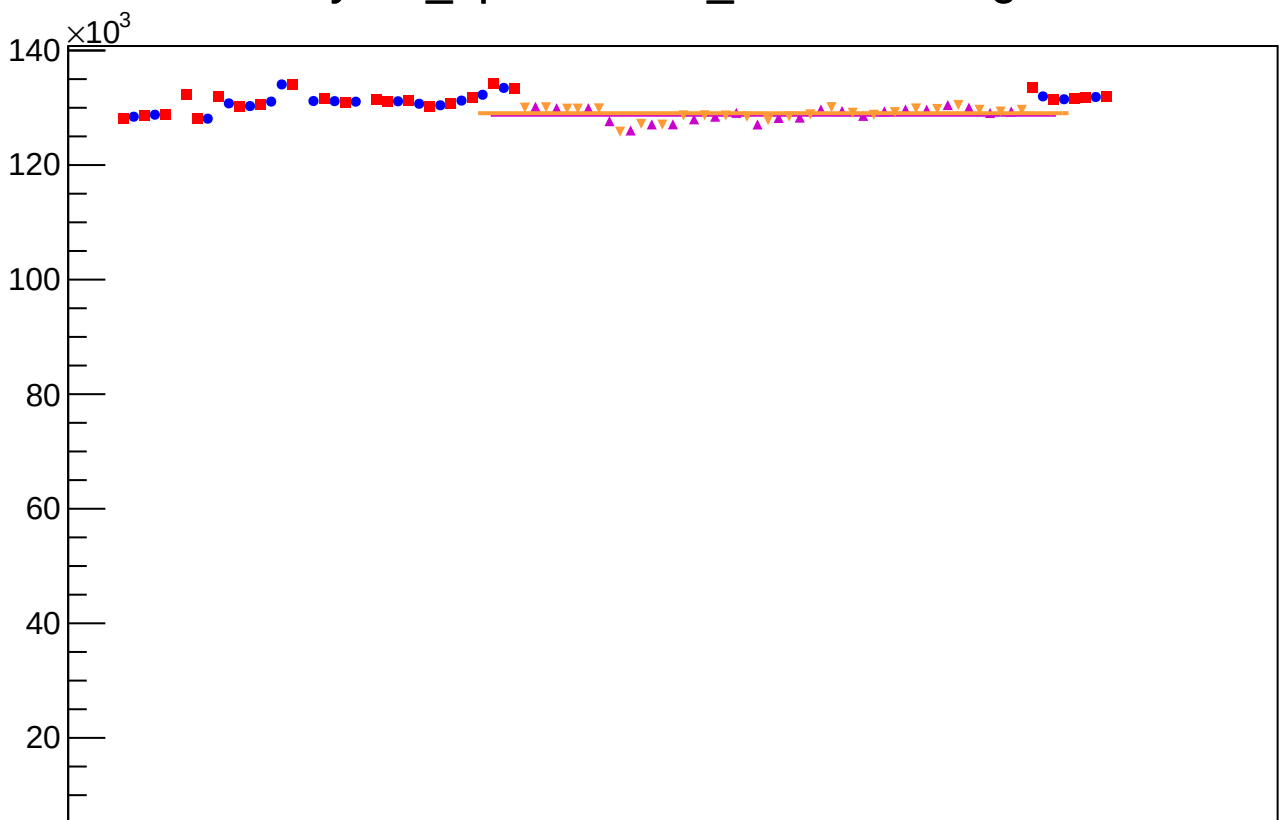
Right Out: 188.982+/-0.037 χ^2/NDF: 3154276.1/29

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 198.034+/-0.025 χ^2/NDF: 3056215.7/48

All: 196.959+/-0.018 χ^2/NDF: 7083915.5/101

- sign 195.929+/-0.025 χ^2/NDF: 4024212.5/52



Right In: 4162.554+/-0.007 χ^2/NDF: 4965950243223.9/23

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 4393.316+/-0.006 χ^2/NDF: 5874960828318.1/29

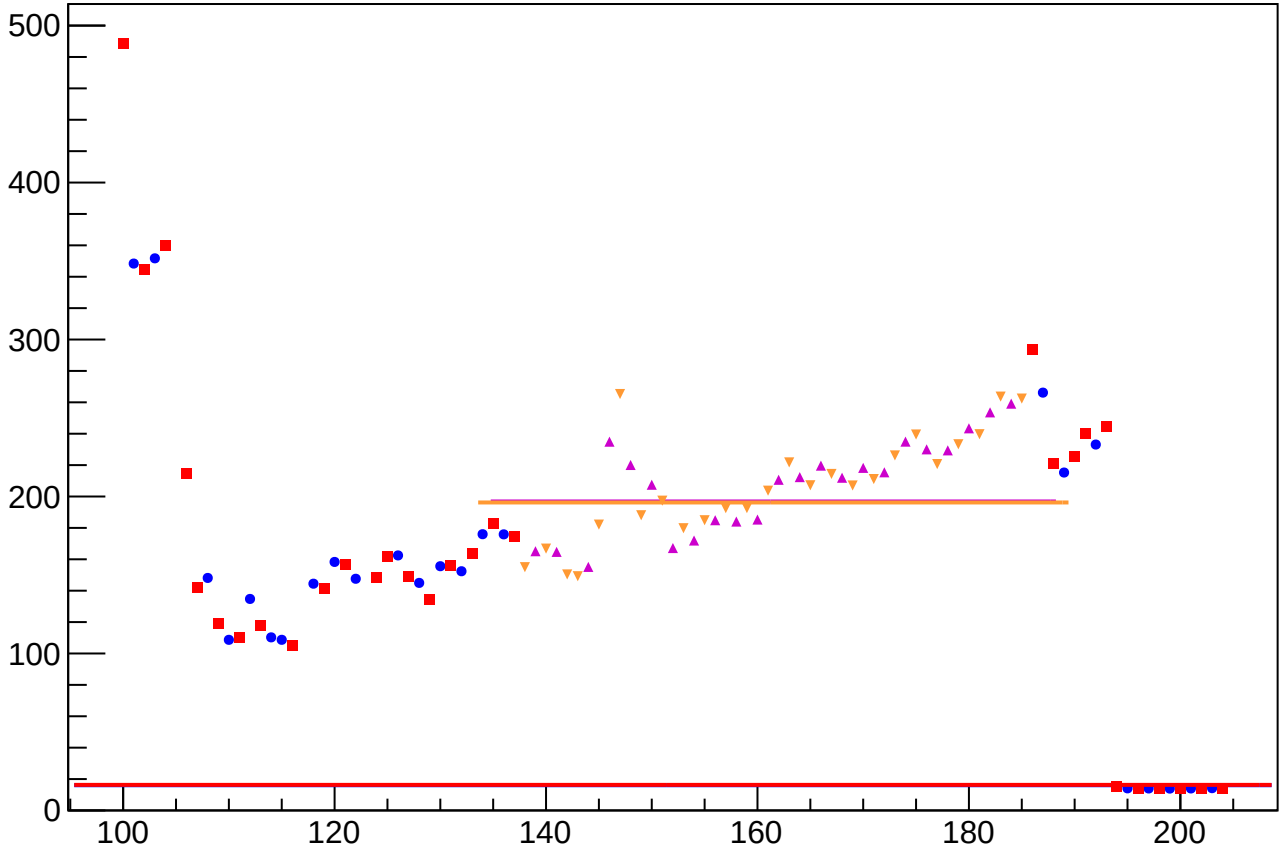
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 6838.715+/-0.007 χ^2/NDF: 12341723406977

All: 6783.134+/-0.005 χ^2/NDF: 2512061555

- sign 6731.322+/-0.006 χ^2/NDF: 12778757542280

yield_bpm0l06WS_rms vs Slug



Right In: 16.070+/-0.005 χ^2/NDF: 14354585.8/23

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

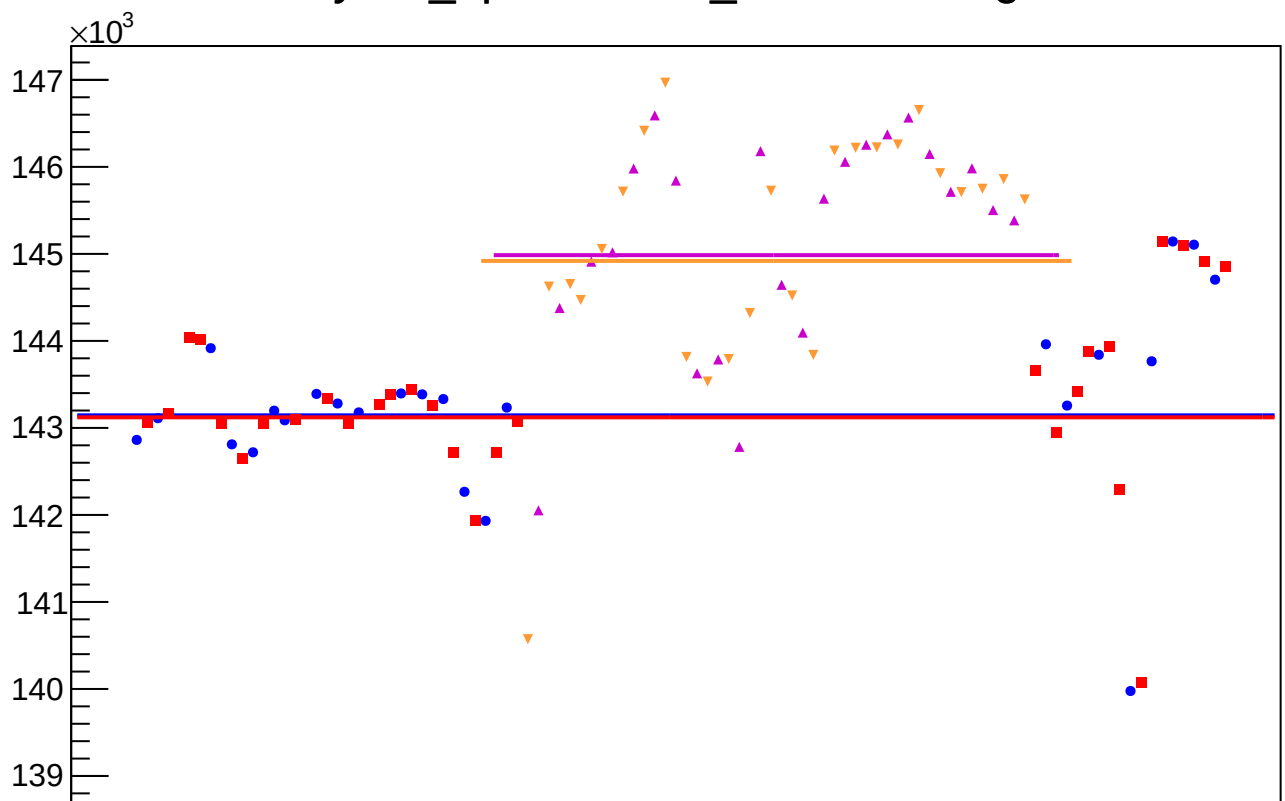
Right Out: 16.294+/-0.005 χ^2/NDF: 16439939.2/29

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 19.930+/-0.005 χ^2/NDF: 45964158.8/48

All: 19.804+/-0.003 χ^2/NDF: 92264223.4/101

- sign 19.687+/-0.005 χ^2/NDF: 46298686.0/52



Right In: 143144.726+/-0.059 χ^2/NDF: 203363100.8/23

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143121.737+/-0.054 χ^2/NDF: 208568191.9/29

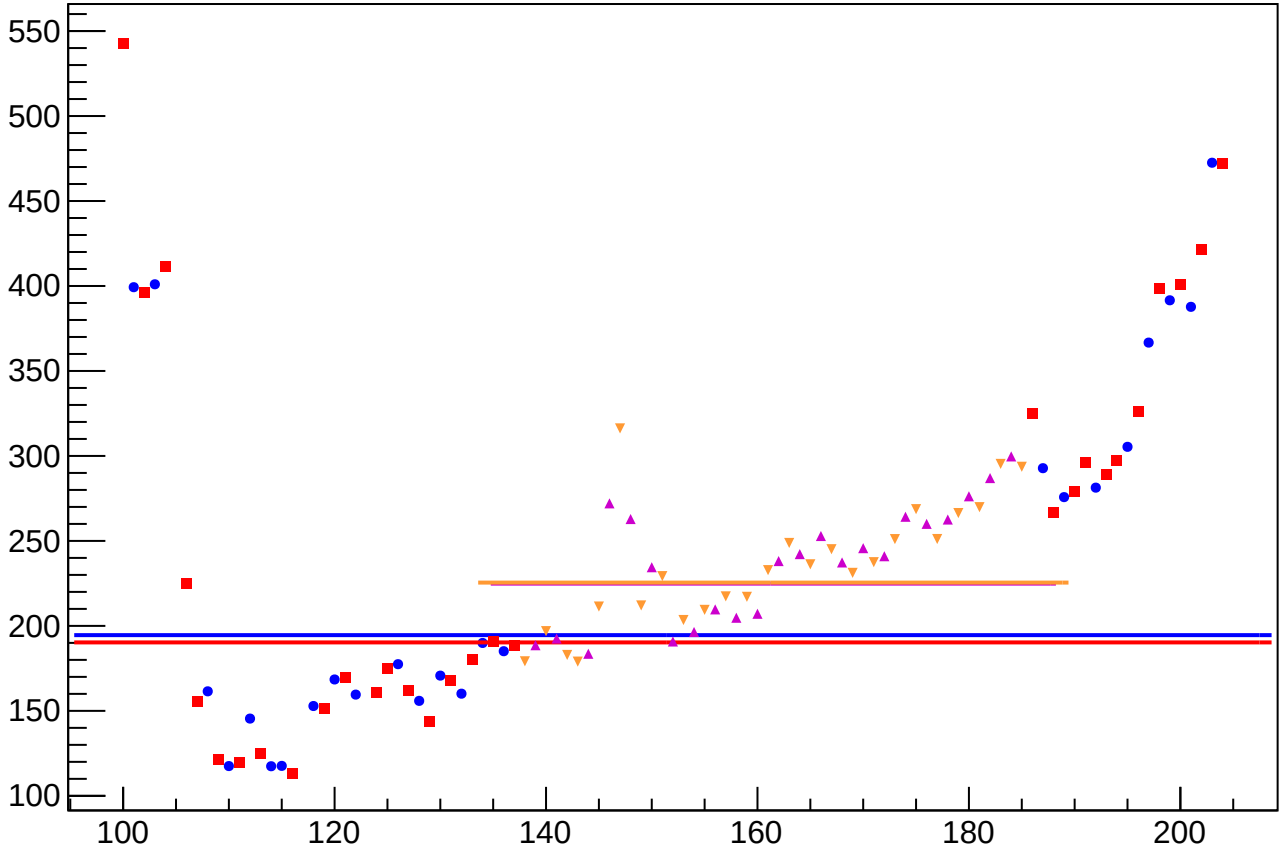
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144138.867+/-0.039 χ^2/NDF: 1546678946.3

All: 144099.273+/-0.027 χ^2/NDF: 29759274

- sign 144061.766+/-0.038 χ^2/NDF: 1427250835.9/

yield_bpm0l07WS_rms vs Slug



Right In: 194.561+/-0.042 χ^2/NDF: 3924670.8/23

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

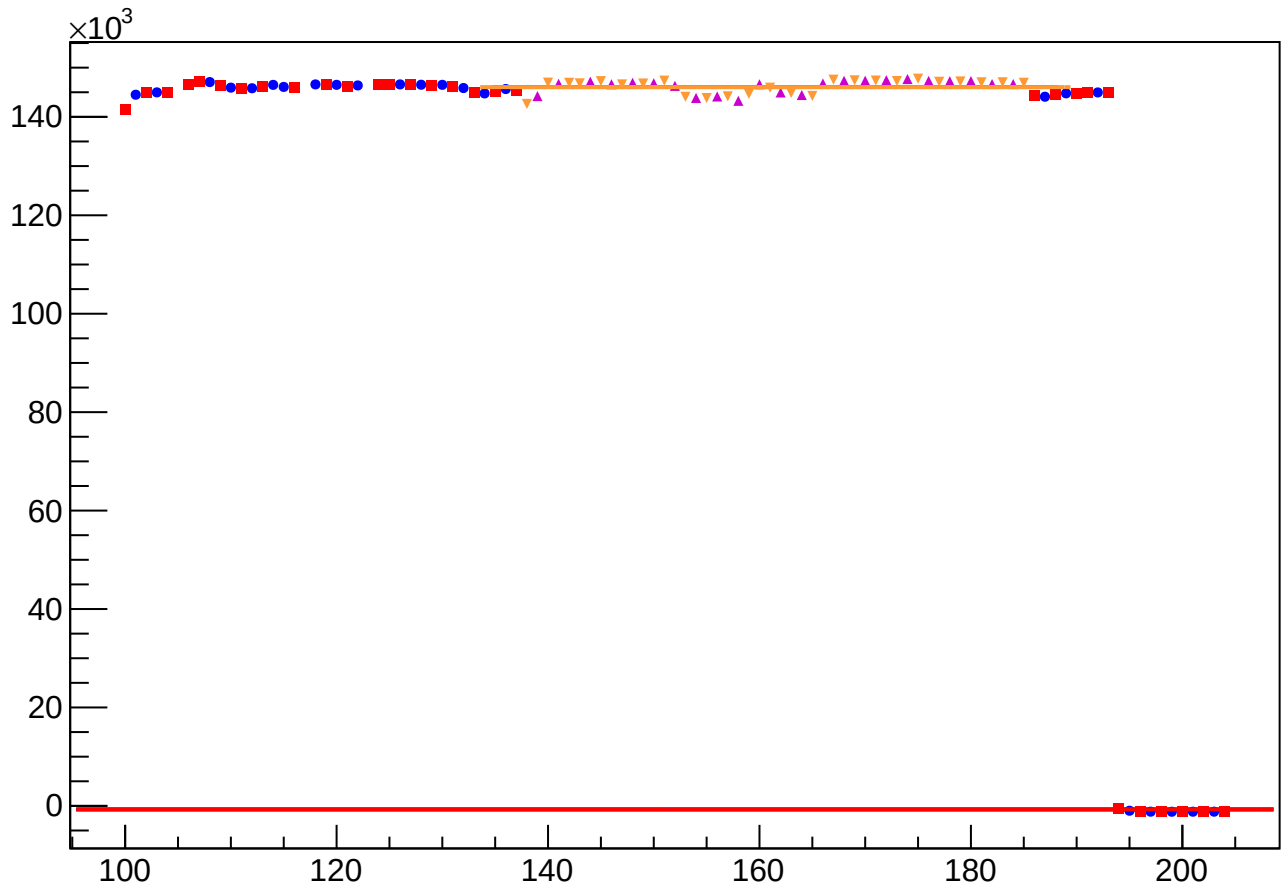
Right Out: 190.278+/-0.038 χ^2/NDF: 5259899.0/29

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 211.880+/-0.028 χ^2/NDF: 5008263.1/48

All: 209.746+/-0.019 χ^2/NDF: 11416821.7/10

- sign 207.724+/-0.027 χ^2/NDF: 6396949.6/52



Right In: -726.906+/-0.003 χ^2/NDF: 5366181312382.4/23

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -696.538+/-0.003 χ^2/NDF: 6455822331939.0/29

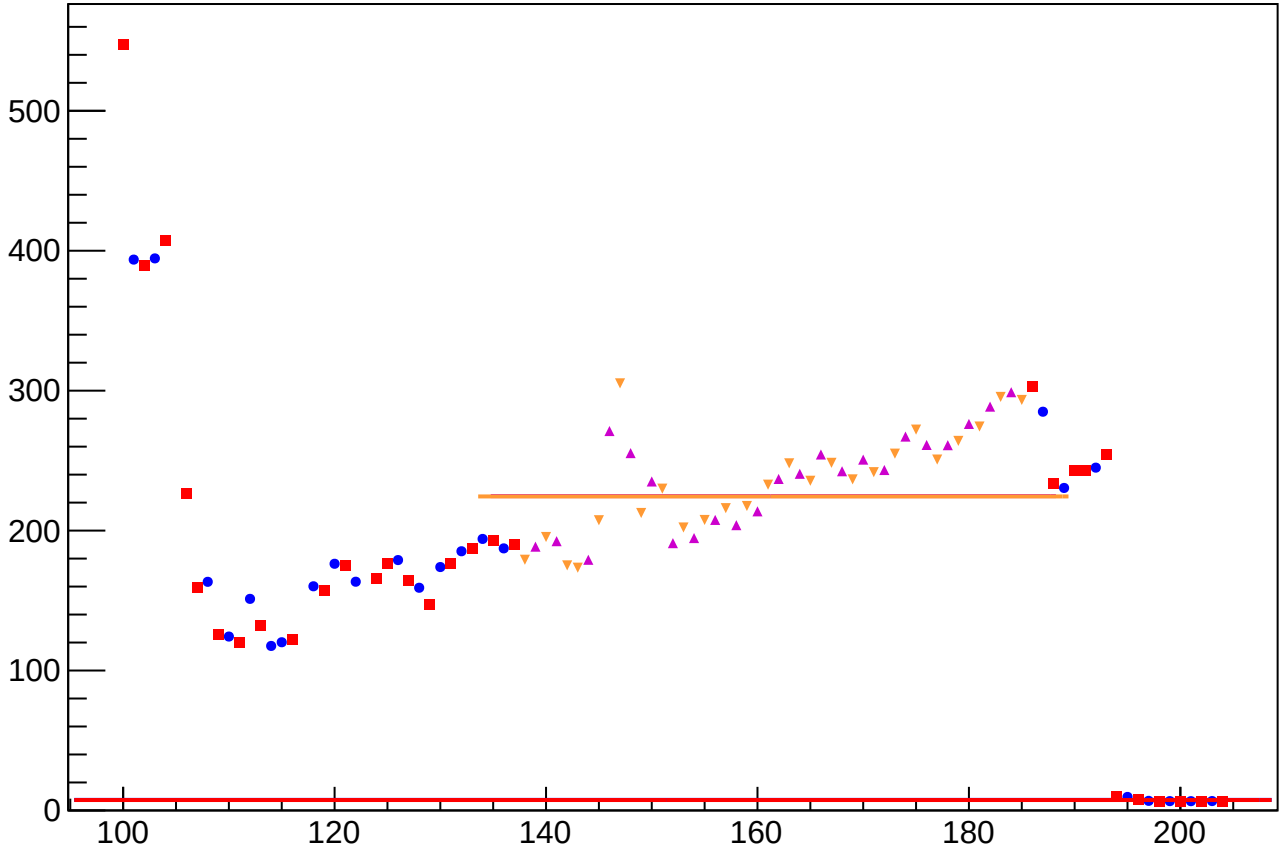
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign -90.677+/-0.003 χ^2/NDF: 13295950981648.0

All: -128.405+/-0.002 χ^2/NDF: 2723235121

- sign -162.024+/-0.003 χ^2/NDF: 13936170677033.

yield_bpm0l08WS_rms vs Slug



Right In: 7.549+/-0.002 χ^2/NDF: 16065107.7/23

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

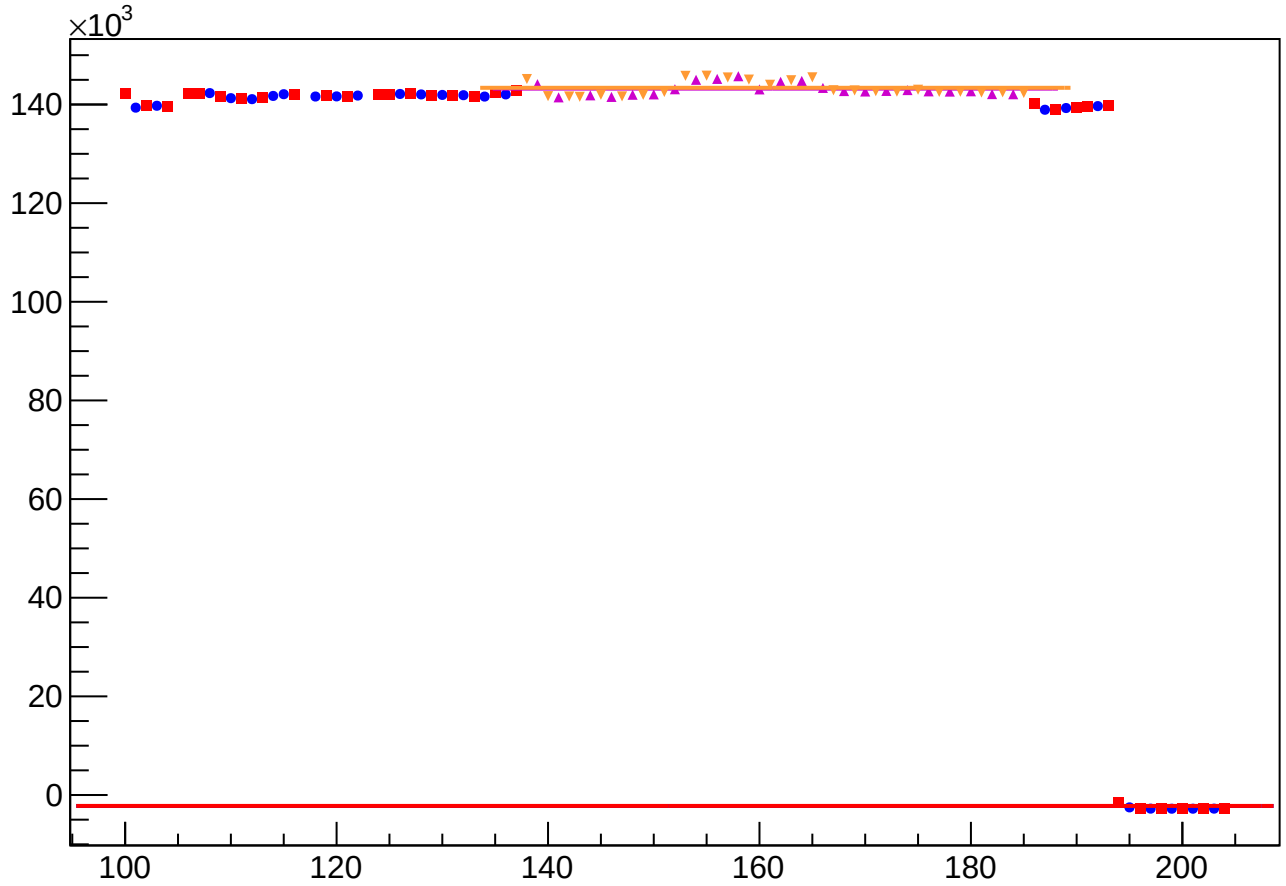
Right Out: 7.452+/-0.002 χ^2/NDF: 18396038.5/29

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 8.489+/-0.002 χ^2/NDF: 51534423.3/48

All: 8.359+/-0.002 χ^2/NDF: 103462117.1/101

- sign 8.243+/-0.002 χ^2/NDF: 51922228.5/52



Right In: -2229.743+/-0.004 χ^2/NDF: 4953974755395.5/23

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2213.316+/-0.004 χ^2/NDF: 5824226906036.4/29

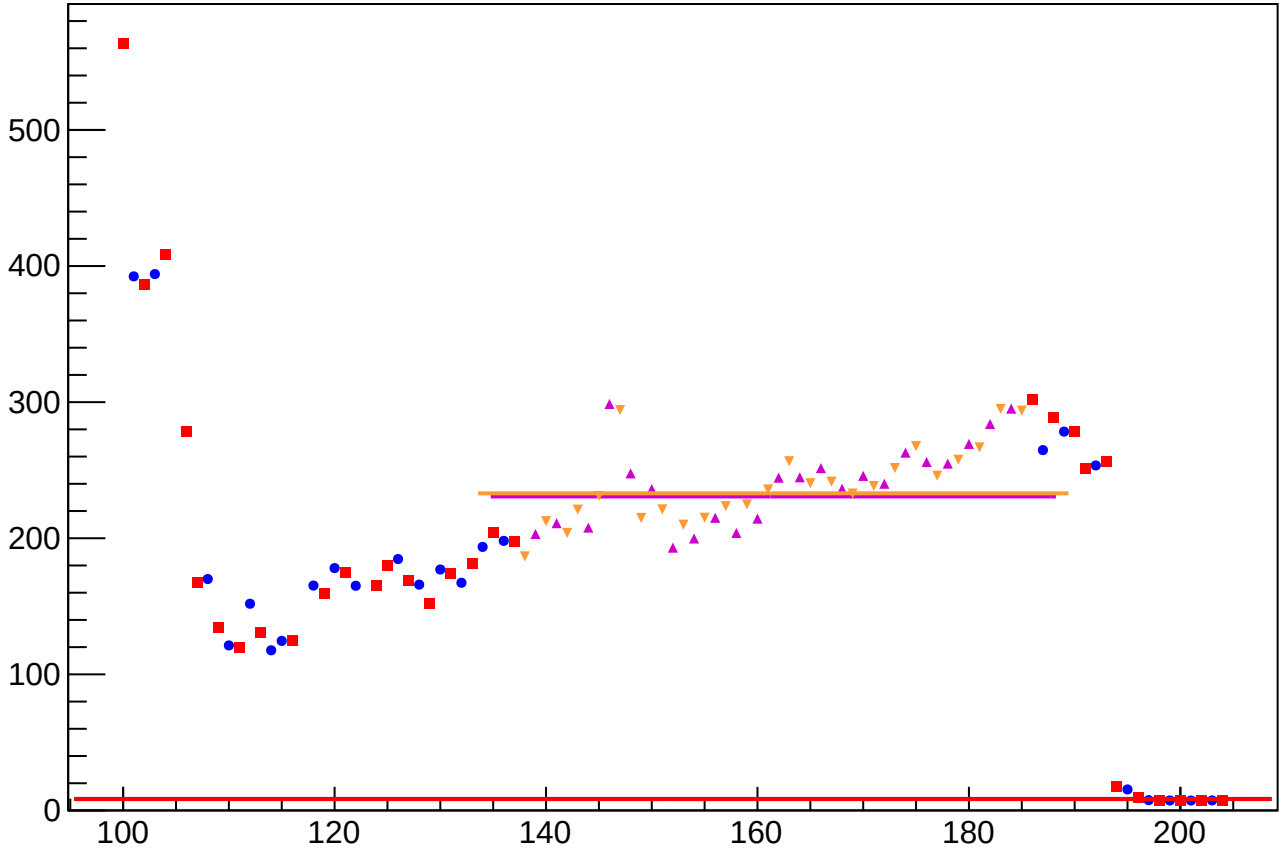
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign -1464.990+/-0.004 χ^2/NDF: 1227365664351

All: -1521.865+/-0.003 χ^2/NDF: 2510348011

- sign -1571.702+/-0.004 χ^2/NDF: 1282942248335

yield_bpm0l09WS_rms vs Slug



Right In: 8.476+/-0.003 χ^2/NDF: 16210237.4/23

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

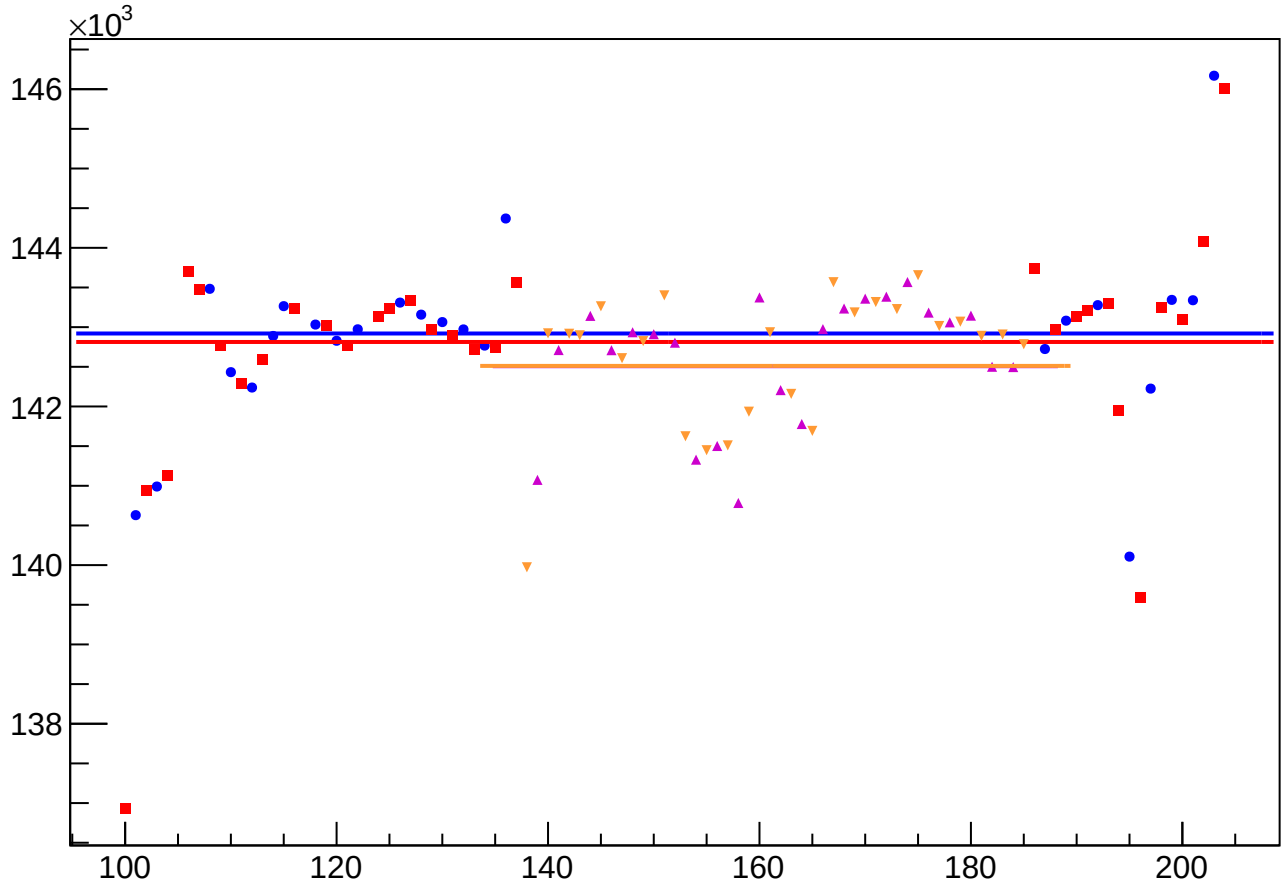
Right Out: 8.333+/-0.003 χ^2/NDF: 18429363.4/29

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 9.655+/-0.003 χ^2/NDF: 51458627.0/48

All: 9.473+/-0.002 χ^2/NDF: 103156788.2/101

- sign 9.314+/-0.003 χ^2/NDF: 51689966.0/52



Right In: 142920.068+/-0.062 χ^2/NDF: 237589402.1/23

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142813.135+/-0.056 χ^2/NDF: 201454113.7/29

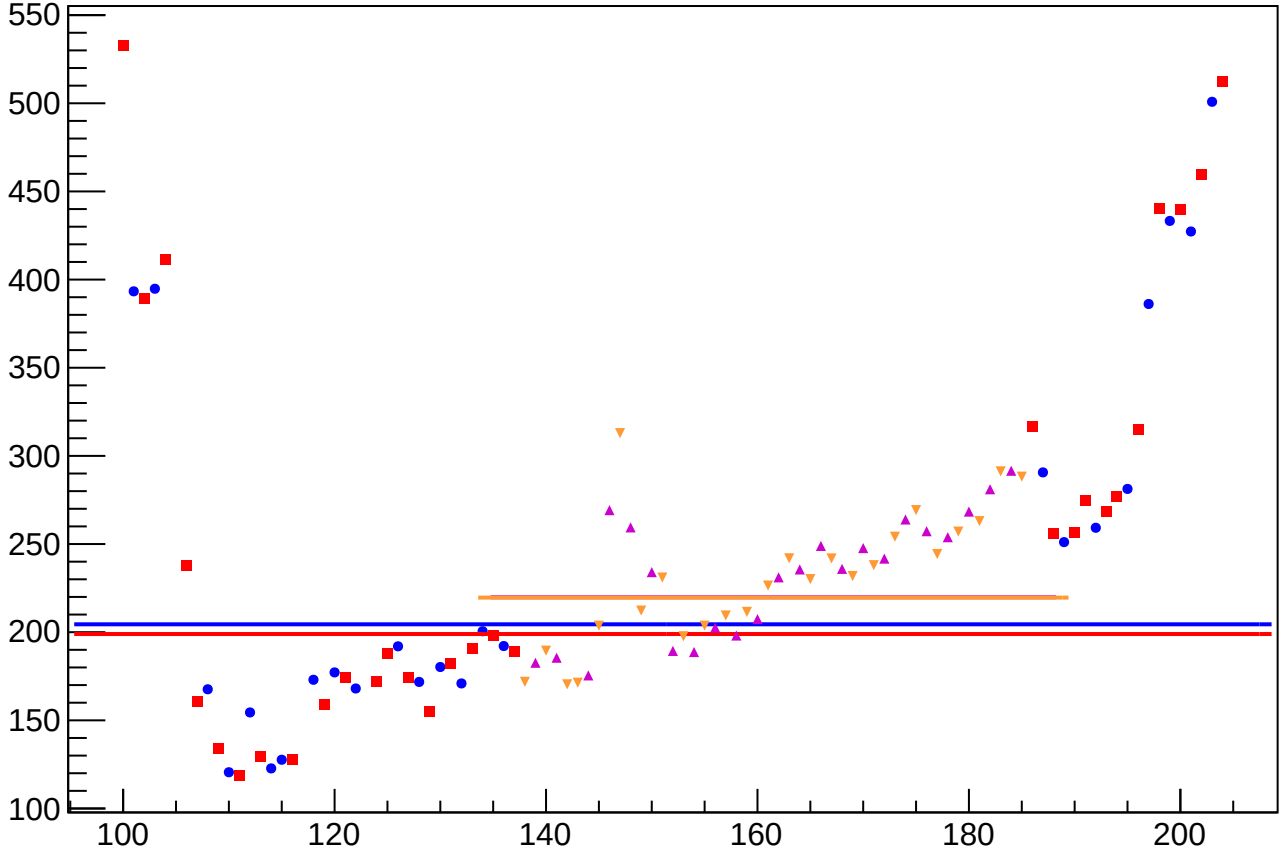
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142677.090+/-0.039 χ^2/NDF: 601816531.9/4

All: 142663.129+/-0.027 χ^2/NDF: 10886218

- sign 142649.828+/-0.038 χ^2/NDF: 486558178.6/5

yield_bpm0l10WS_rms vs Slug



Right In: 204.479+/-0.044 χ^2/NDF: 3611838.9/23

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

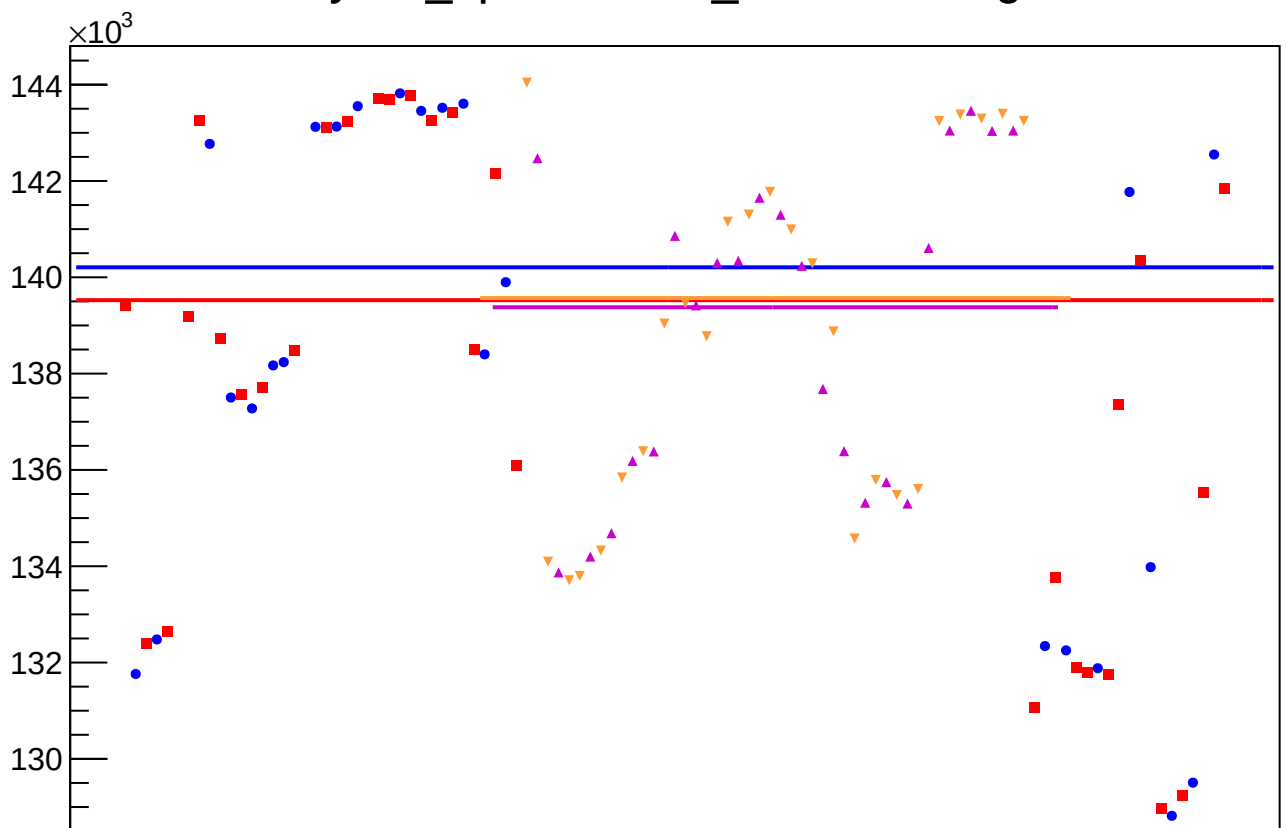
Right Out: 198.959+/-0.040 χ^2/NDF: 4874241.2/29

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 213.480+/-0.028 χ^2/NDF: 4585603.2/48

All: 211.751+/-0.019 χ^2/NDF: 10420394.9/10

- sign 210.104+/-0.027 χ^2/NDF: 5827216.6/52



Right In: 140207.153+/-0.087 χ^2/NDF: 2575092570.0/23

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139525.119+/-0.085 χ^2/NDF: 2727872086.4/29

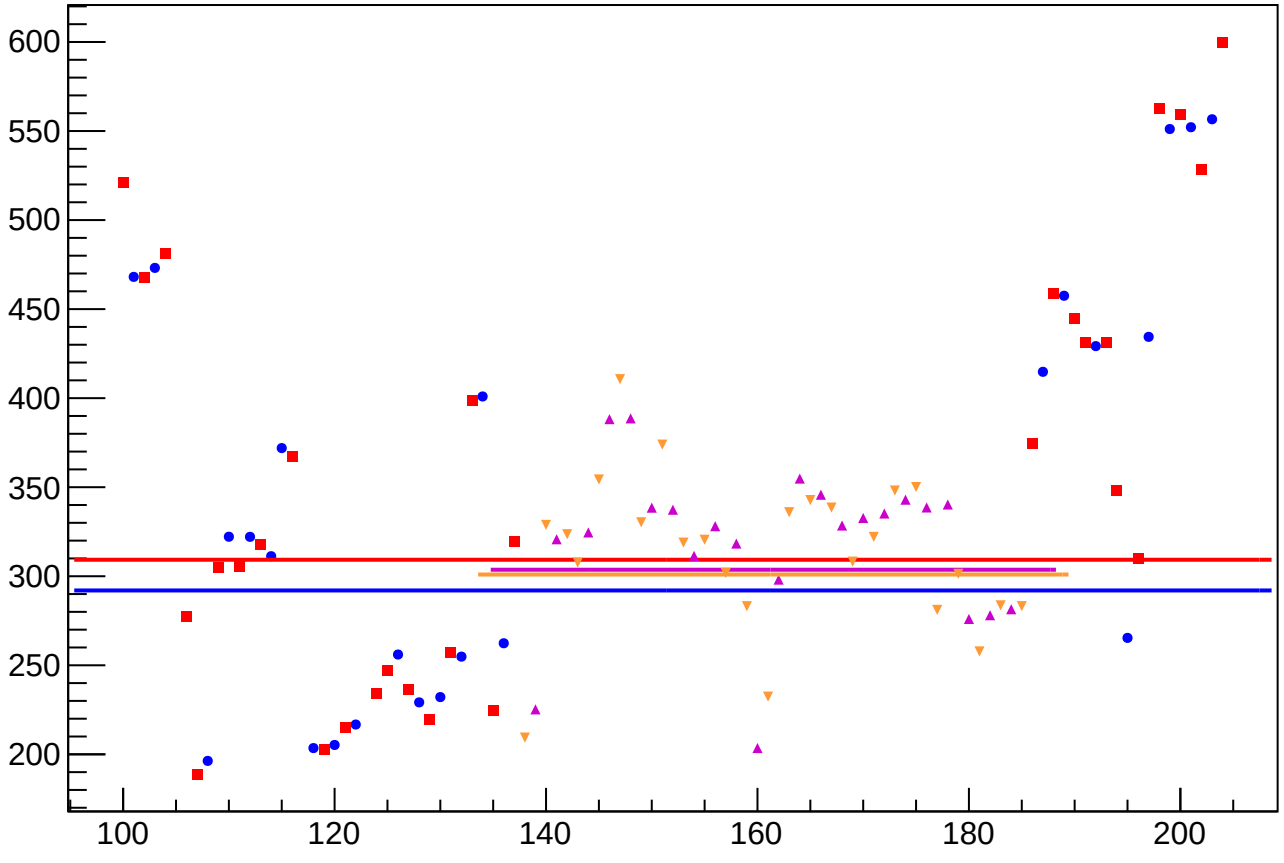
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139819.051+/-0.055 χ^2/NDF: 5194318253.1

All: 139632.277+/-0.039 χ^2/NDF: 9869102

- sign 139440.078+/-0.055 χ^2/NDF: 4651039506.5/

yield_bpm0r03WS_rms vs Slug



Right In: 292.016+/-0.062 χ^2/NDF: 2888081.3/23

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

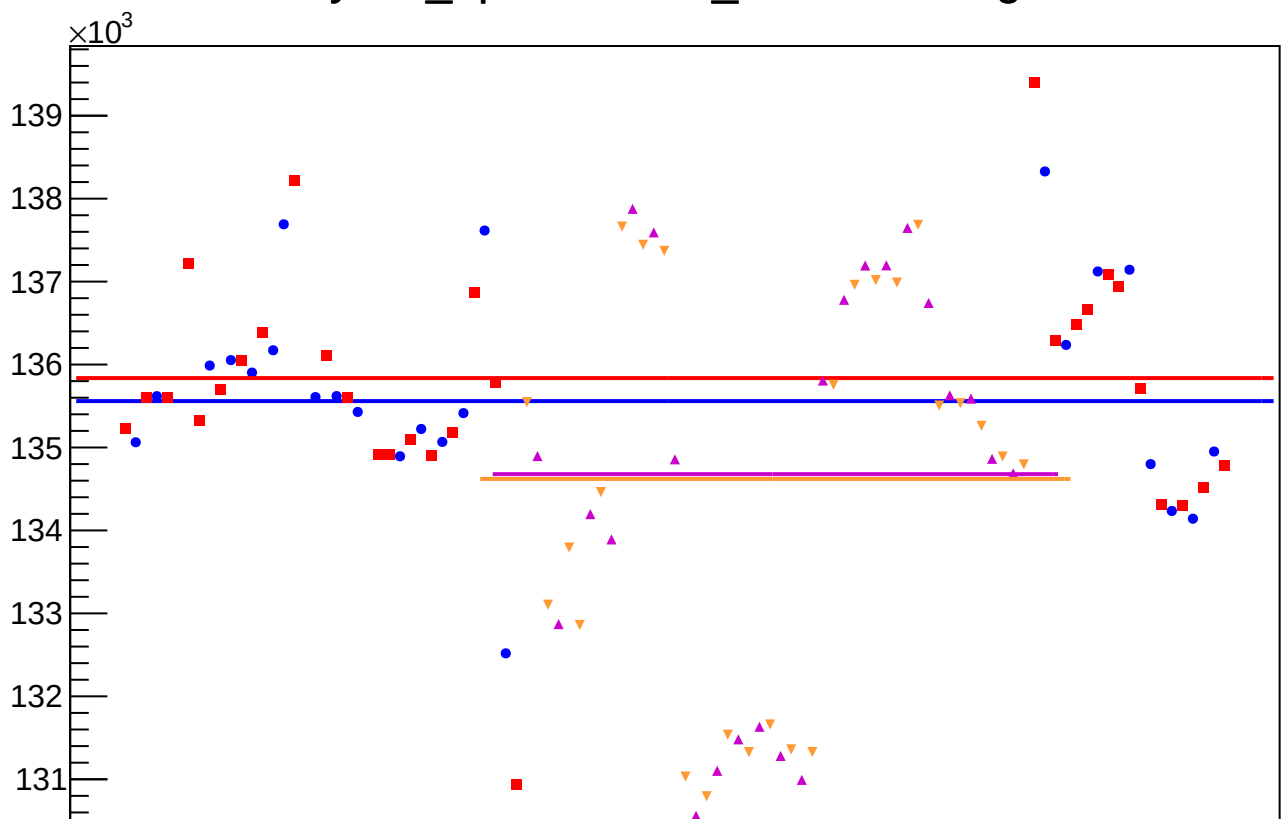
Right Out: 309.260+/-0.060 χ^2/NDF: 3327243.2/29

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 297.456+/-0.039 χ^2/NDF: 3777773.8/48

All: 301.682+/-0.027 χ^2/NDF: 8110580.9/101

- sign 306.031+/-0.039 χ^2/NDF: 4308491.6/52



Right In: 135559.303+/-0.083 χ^2/NDF: 219939283.6/23

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135836.790+/-0.074 χ^2/NDF: 256953050.7/29

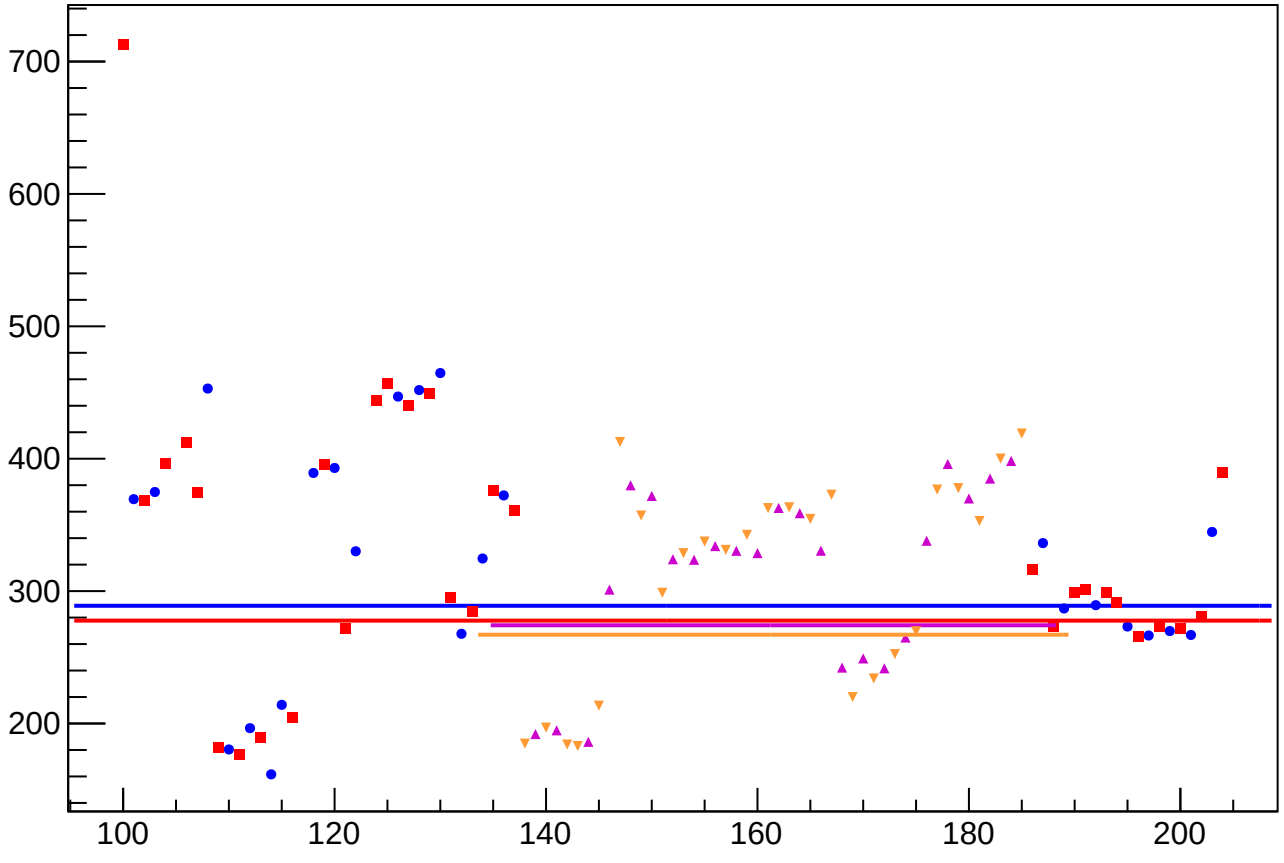
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134968.560+/-0.051 χ^2/NDF: 1501715761.1/

All: 135085.390+/-0.035 χ^2/NDF: 29999421

- sign 135198.113+/-0.050 χ^2/NDF: 1487740003.4/

yield_bpm0r05WS_rms vs Slug



Right In: 288.922+/-0.059 χ^2/NDF: 1537037.6/23

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

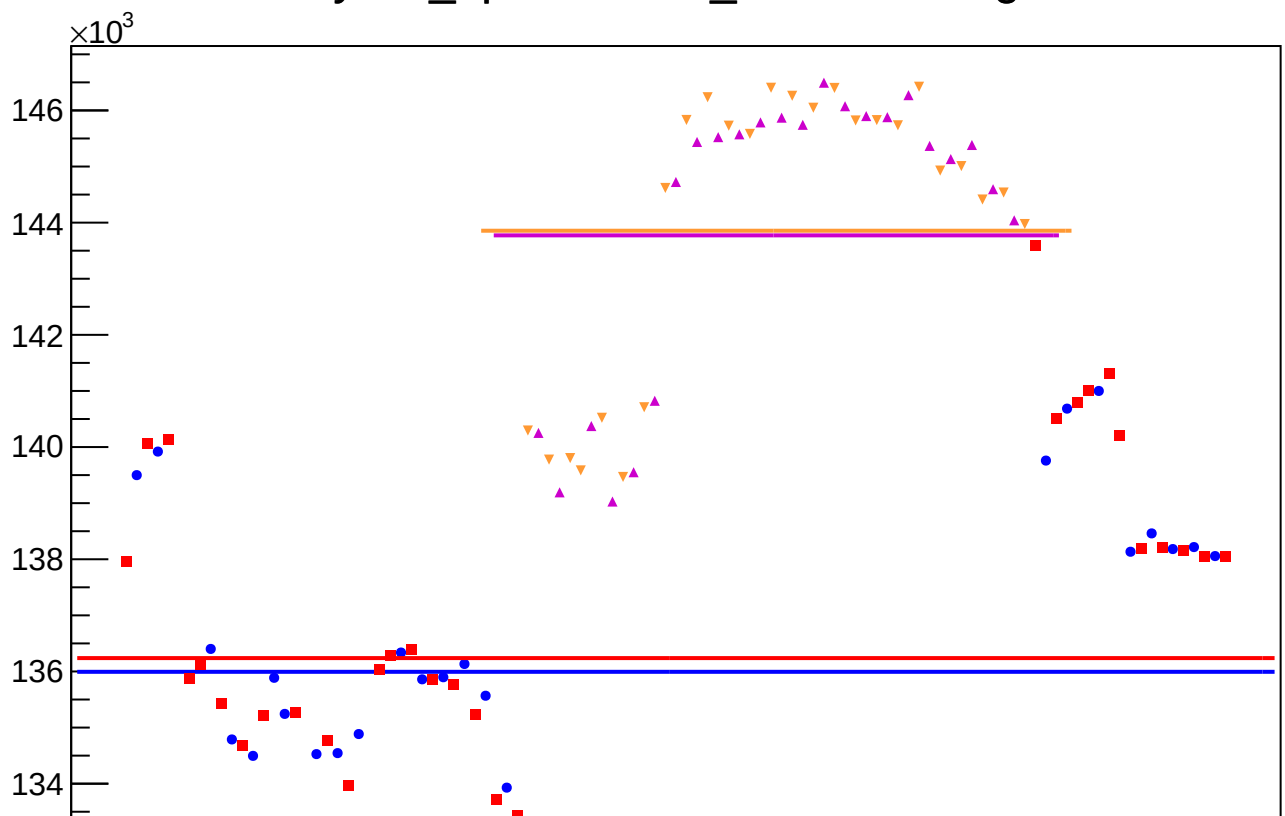
Right Out: 277.715+/-0.052 χ^2/NDF: 1871077.0/29

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 275.154+/-0.036 χ^2/NDF: 4467564.7/48

All: 275.465+/-0.025 χ^2/NDF: 8578054.9/101

- sign 275.764+/-0.035 χ^2/NDF: 4110341.9/52



Right In: 135993.924+/-0.049 χ^2/NDF: 1426184048.1/23

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136238.422+/-0.046 χ^2/NDF: 2135769524.0/29

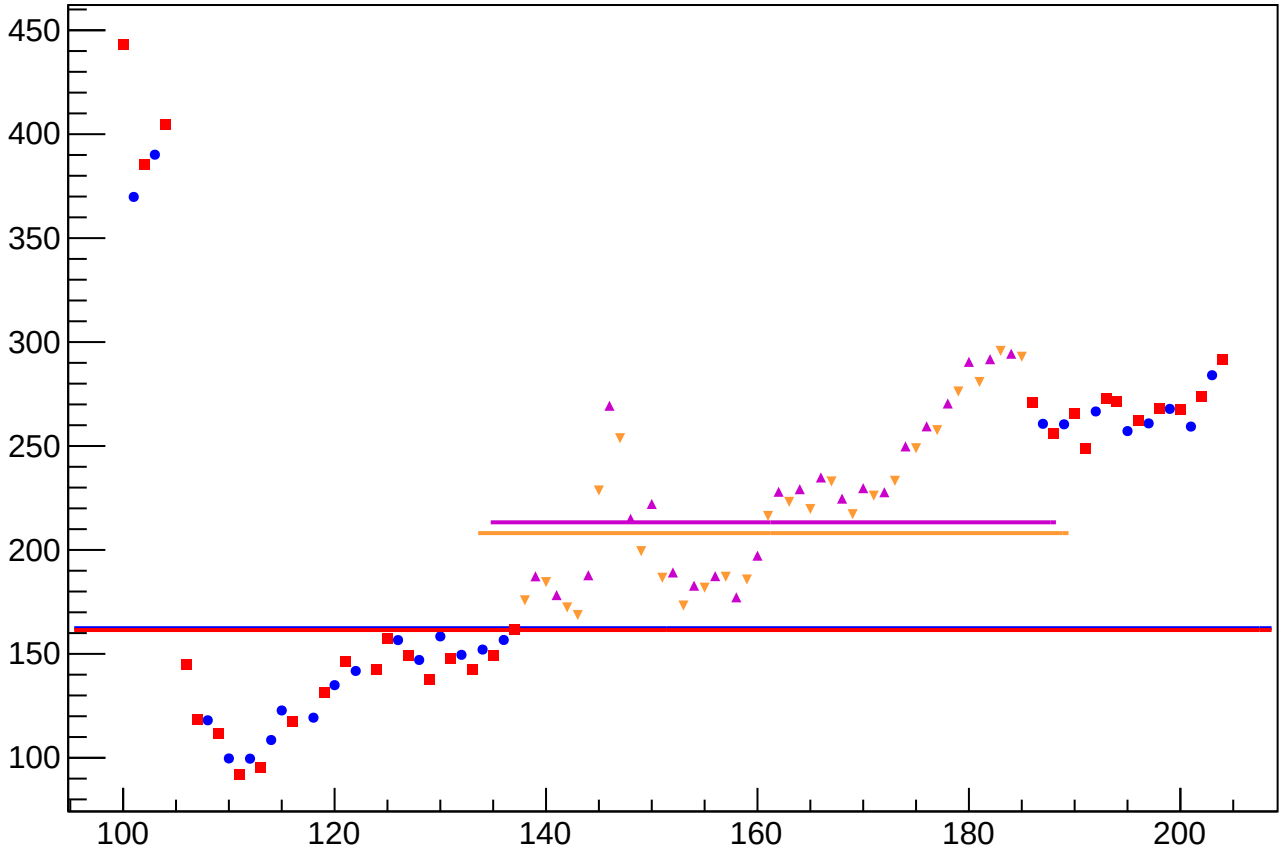
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 139967.842+/-0.034 χ^2/NDF: 17640767327.

All: 139774.855+/-0.024 χ^2/NDF: 34807881

- sign 139586.553+/-0.034 χ^2/NDF: 17104800157.3

yield_bpm0i02WS_rms vs Slug



Right In: 162.355+/-0.035 χ^2/NDF: 3635893.2/23

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

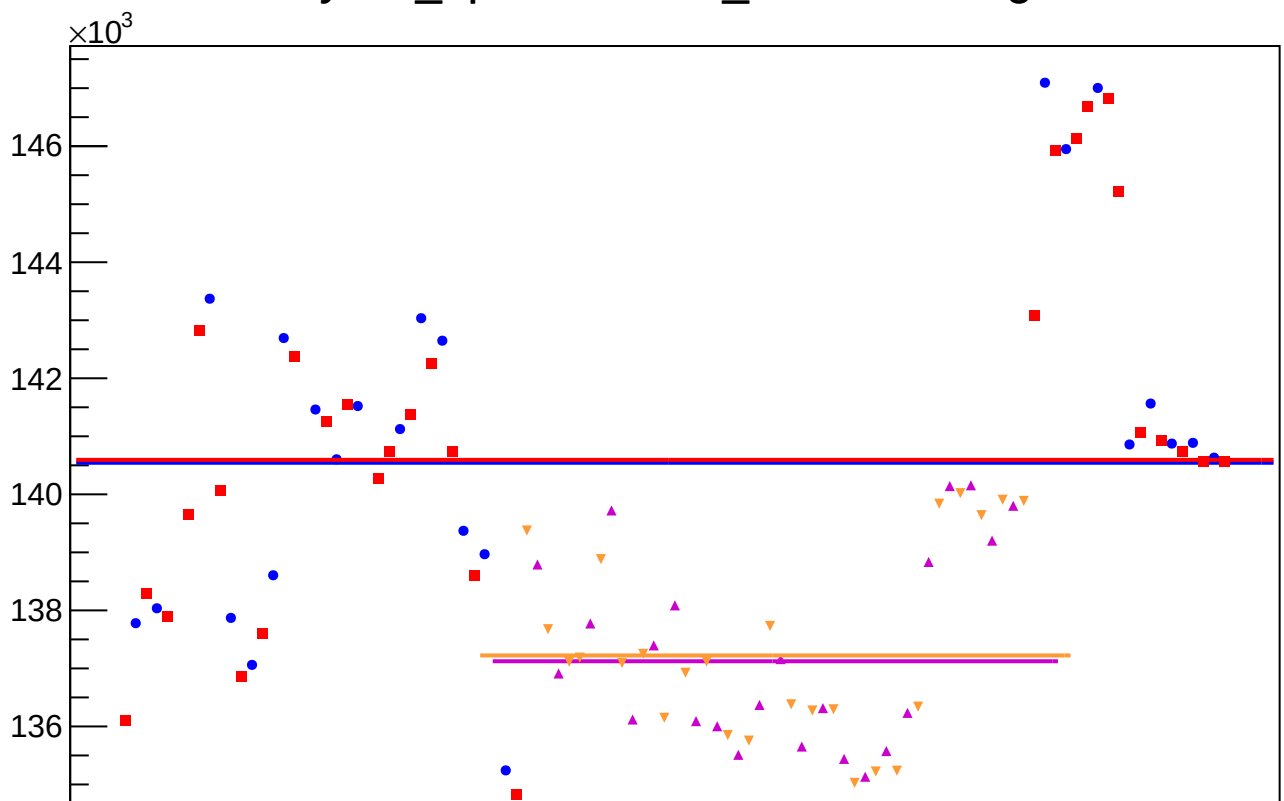
Right Out: 161.471+/-0.032 χ^2/NDF: 4775965.8/29

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 185.477+/-0.024 χ^2/NDF: 5514881.3/48

All: 184.981+/-0.017 χ^2/NDF: 12307914.7/10

- sign 184.497+/-0.024 χ^2/NDF: 6792209.0/52



Right In: 140544.244+/-0.055 χ^2/NDF: 2807462107.8/23

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140594.251+/-0.051 χ^2/NDF: 3239185758.8/29

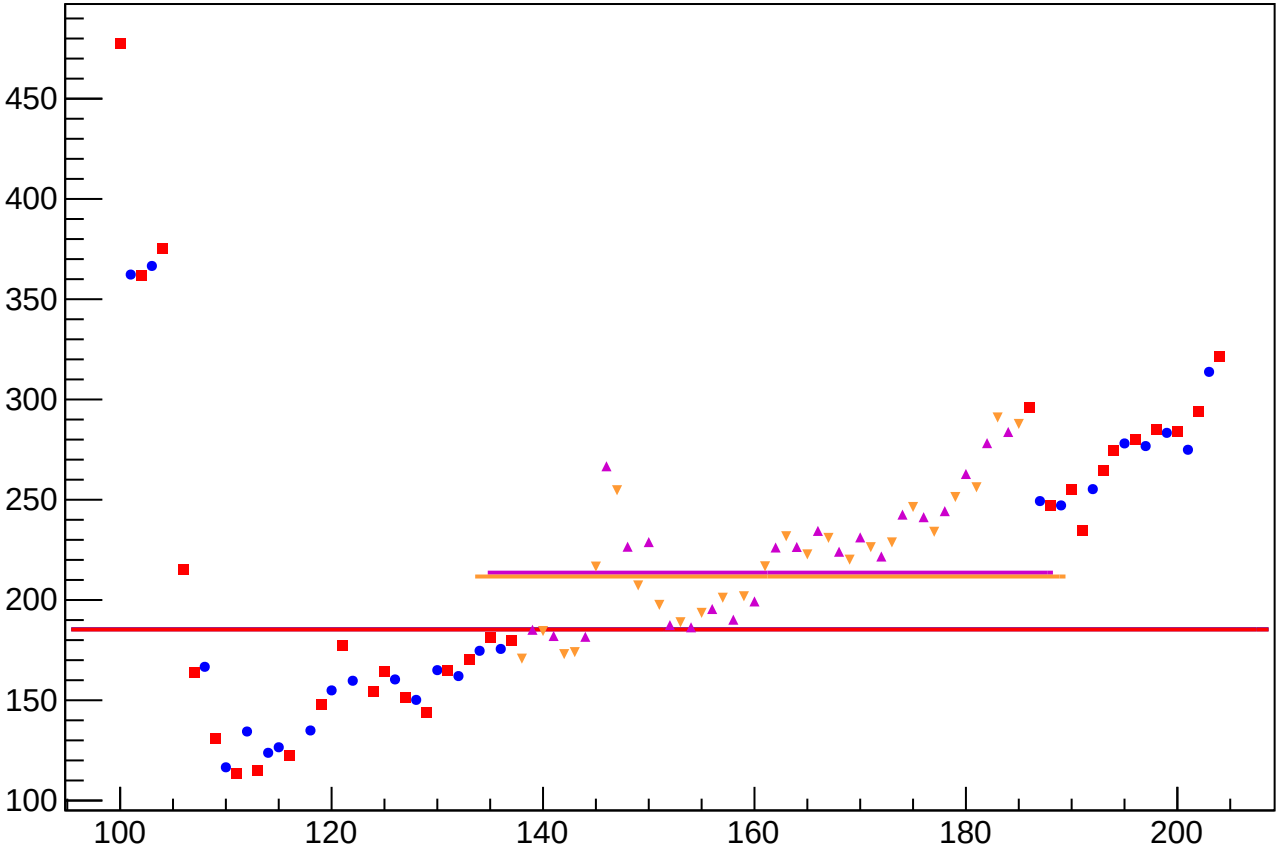
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138703.974+/-0.037 χ^2/NDF: 5745395539.0

All: 138778.801+/-0.026 χ^2/NDF: 12168094

- sign 138851.823+/-0.036 χ^2/NDF: 6414400863.9/

yield_bpm0i02aWS_rms vs Slug



Right In: 185.401+/-0.039 χ^2/NDF: 2685085.1/23

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

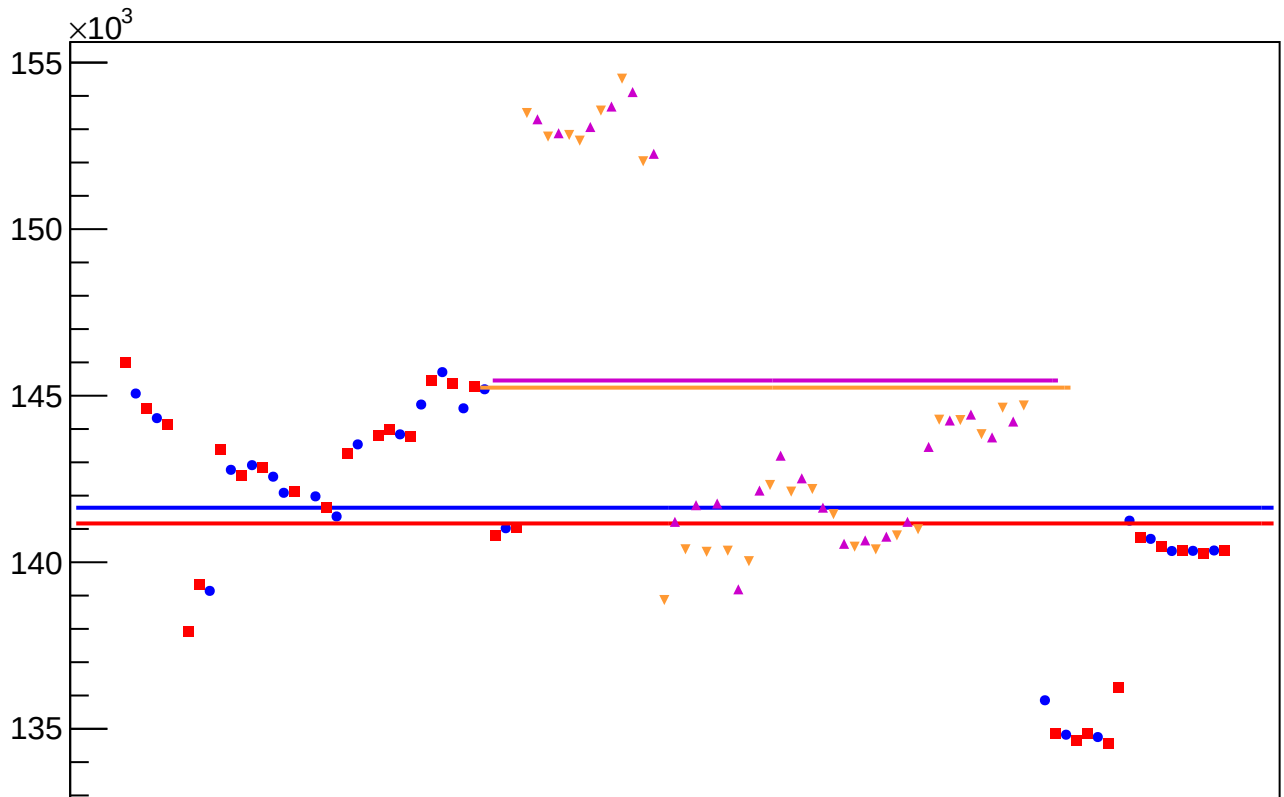
Right Out: 185.290+/-0.036 χ^2/NDF: 3628107.3/29

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 199.984+/-0.026 χ^2/NDF: 3617280.8/48

All: 199.750+/-0.018 χ^2/NDF: 8175776.6/101

- sign 199.523+/-0.026 χ^2/NDF: 4558334.7/52



Right In: 141637.042+/-0.055 χ^2/NDF: 2749261147.1/23

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141165.048+/-0.051 χ^2/NDF: 4395319887.1/29

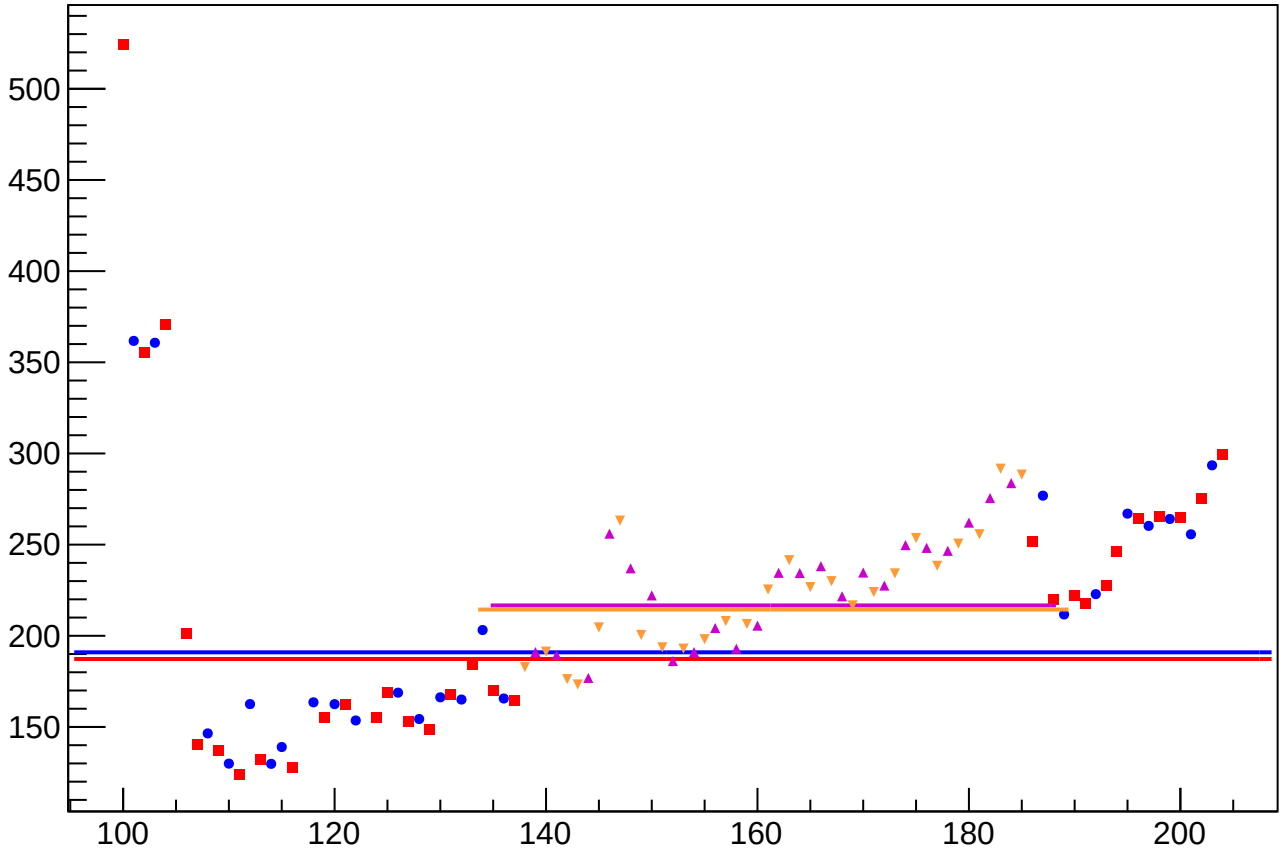
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143639.070+/-0.037 χ^2/NDF: 18129810619.

All: 143453.221+/-0.026 χ^2/NDF: 37166344

- sign 143275.401+/-0.036 χ^2/NDF: 18987101923.

yield_bpm0i05WS_rms vs Slug



Right In: 190.943+/-0.039 χ^2/NDF: 1935535.6/23

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

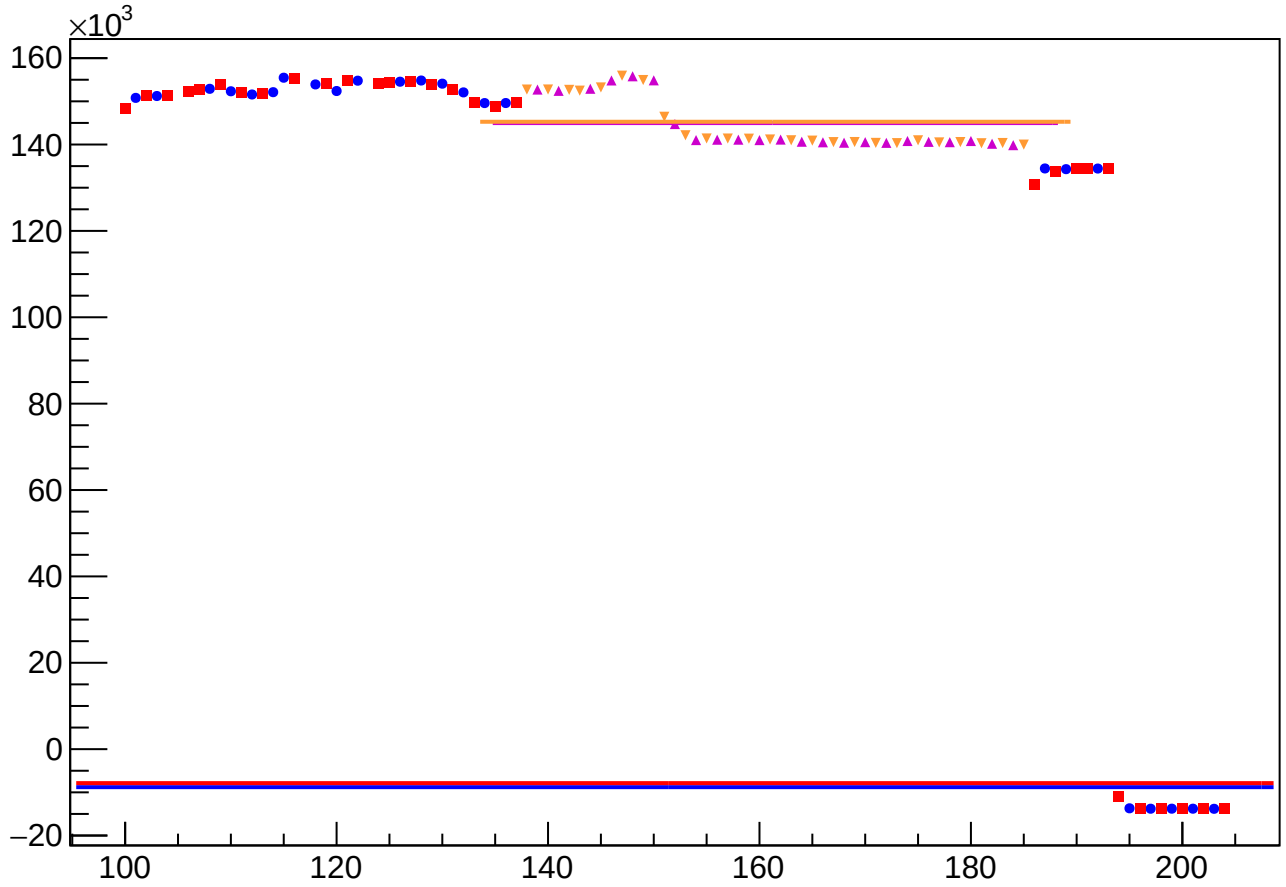
Right Out: 187.289+/-0.036 χ^2/NDF: 2605613.2/29

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 203.964+/-0.026 χ^2/NDF: 2777515.6/48

All: 202.822+/-0.018 χ^2/NDF: 6303518.9/101

- sign 201.729+/-0.026 χ^2/NDF: 3522268.6/52



Right In: -8797.904+/-0.012 χ^2/NDF: 5802443748044.1/23

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -7865.801+/-0.011 χ^2/NDF: 7054488327091.9/29

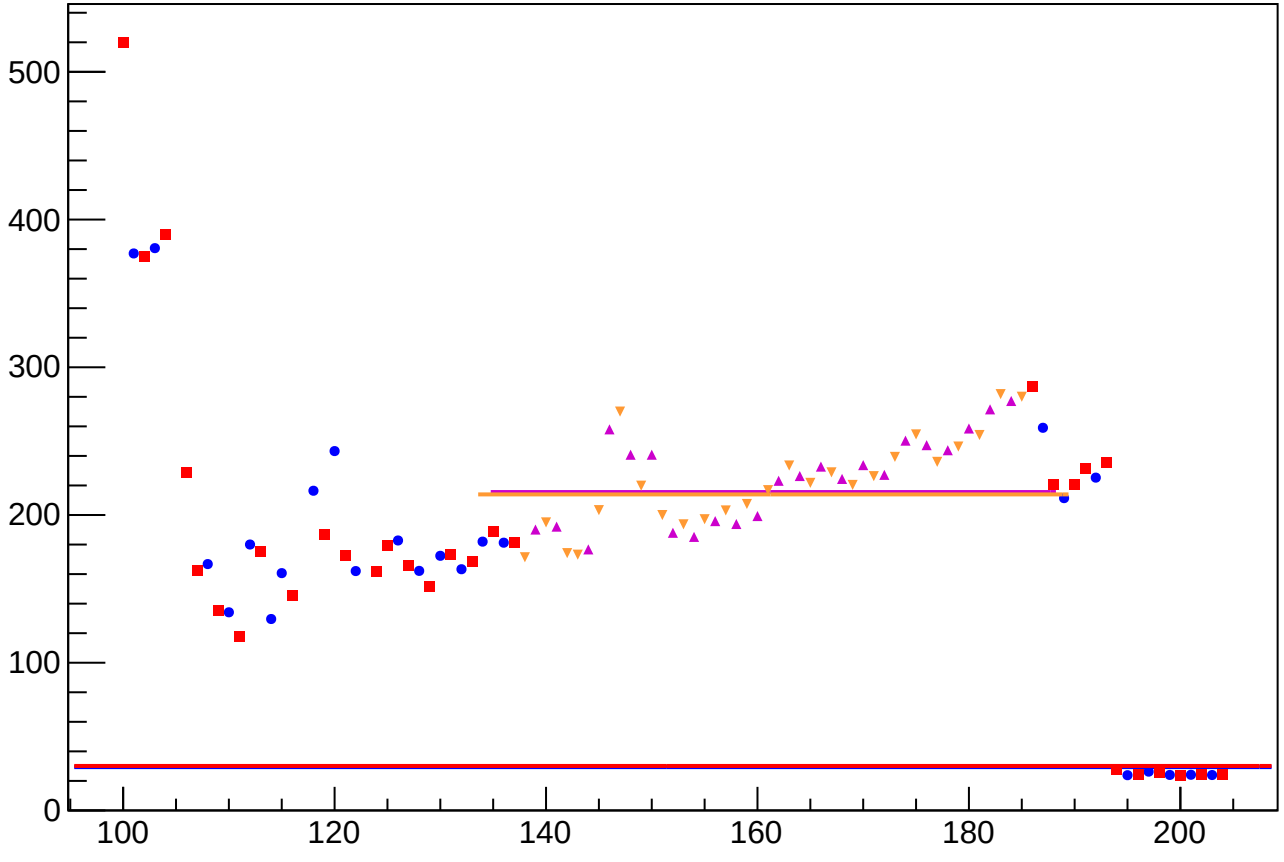
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -650.469+/-0.011 χ^2/NDF: 15033214282985.

All: -740.973+/-0.008 χ^2/NDF: 3059937524

- sign -825.714+/-0.011 χ^2/NDF: 15566037998189.

yield_bpm0i07WS_rms vs Slug



Right In: 29.347+/-0.008 χ^2/NDF: 12516762.1/23

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

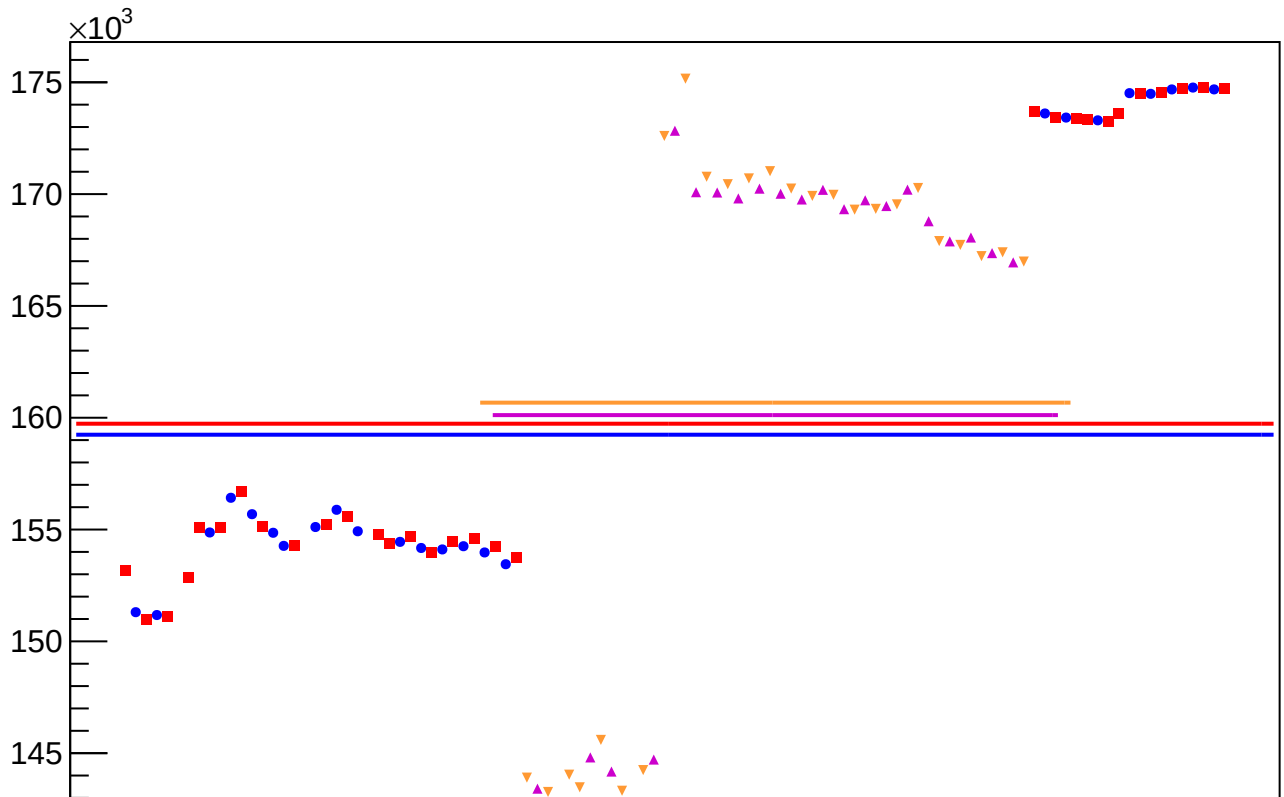
Right Out: 30.125+/-0.008 χ^2/NDF: 14235932.6/29

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 39.109+/-0.008 χ^2/NDF: 39633105.3/48

All: 38.880+/-0.006 χ^2/NDF: 79487200.4/101

- sign 38.666+/-0.008 χ^2/NDF: 39852527.1/52



Right In: 159240.731+/-0.057 χ^2/NDF: 20989777428.2/23

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 159732.527+/-0.053 χ^2/NDF: 25830448212.2/29

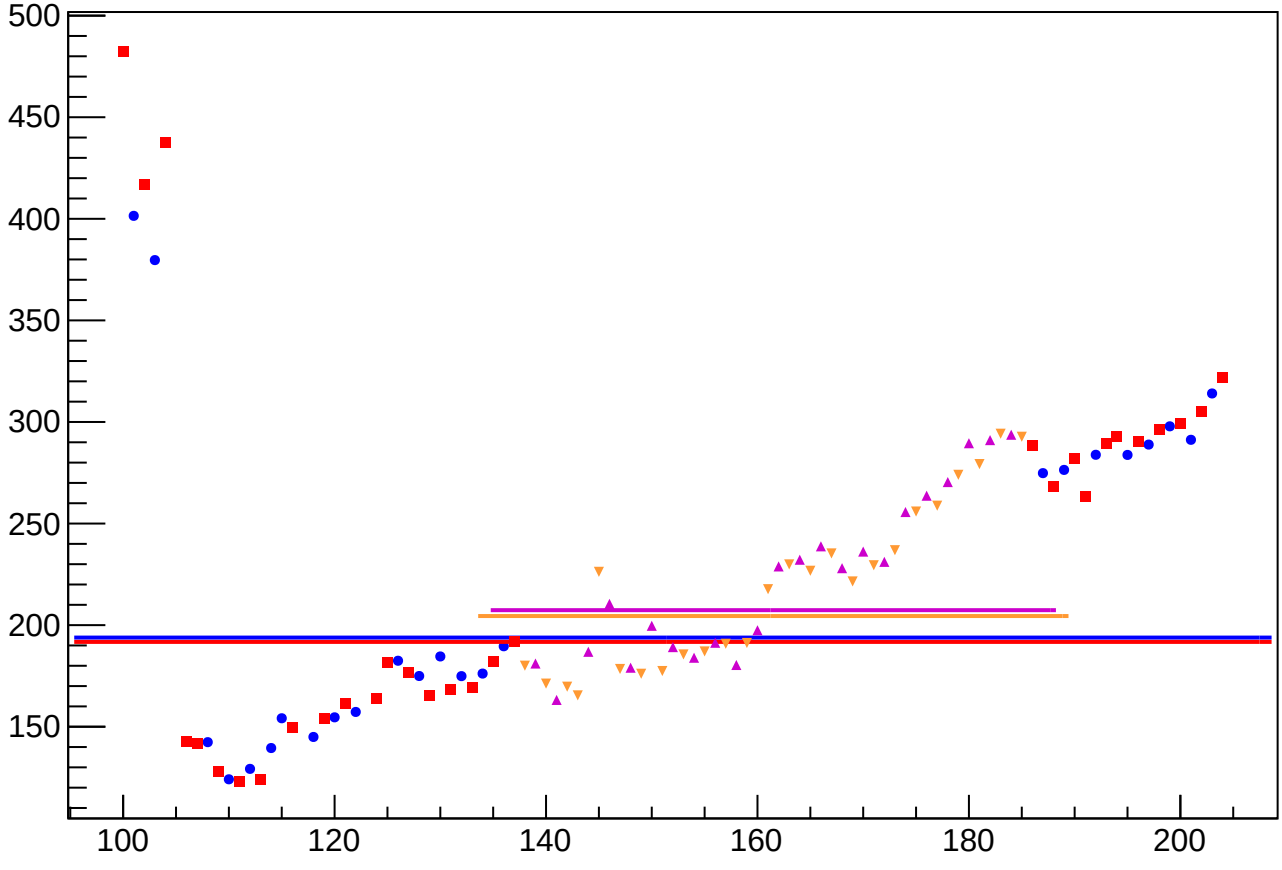
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 160090.732+/-0.036 χ^2/NDF: 95517862154.

All: 160013.035+/-0.026 χ^2/NDF: 18793881

- sign 159937.279+/-0.036 χ^2/NDF: 92412063312.2

yield_bpm1i02WS_rms vs Slug



Right In: 193.877+/-0.040 χ^2/NDF: 2799095.9/23

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

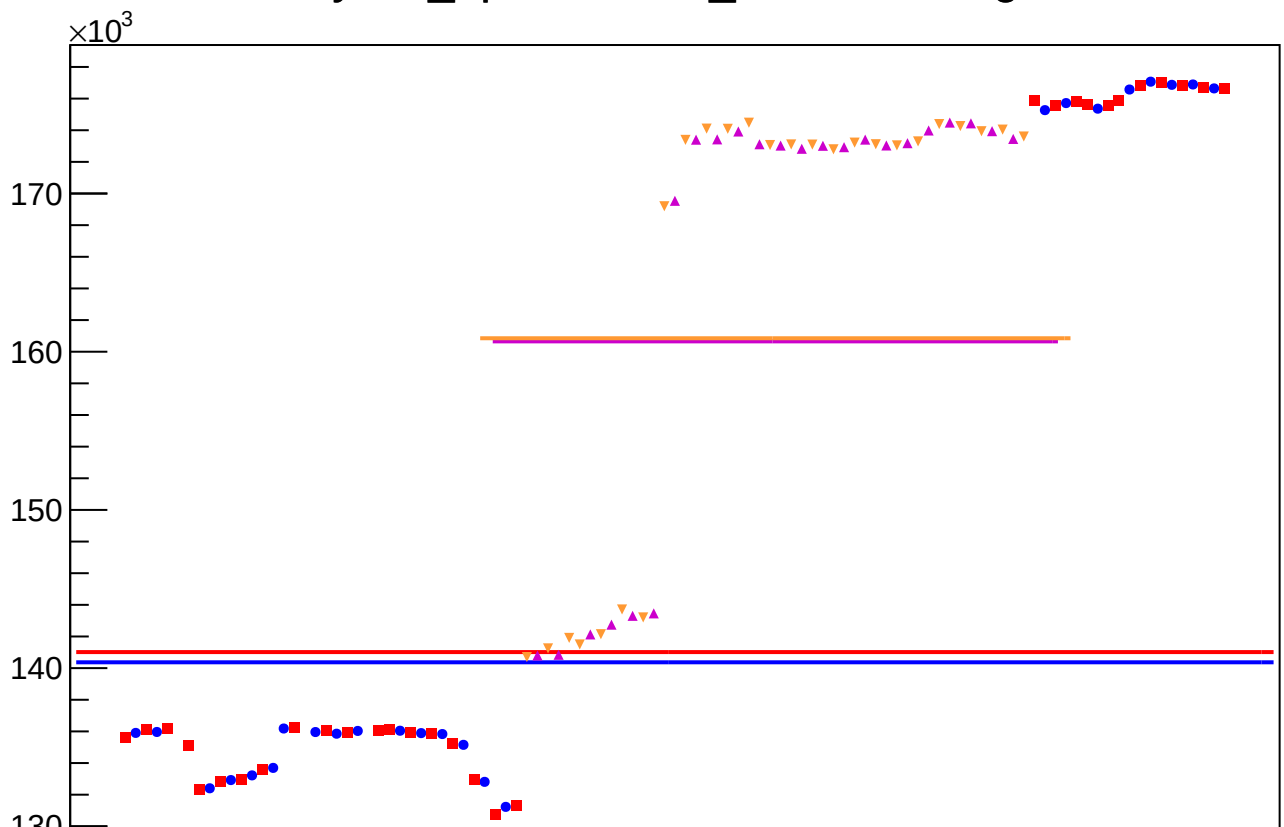
Right Out: 191.749+/-0.037 χ^2/NDF: 3782089.5/29

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 200.159+/-0.026 χ^2/NDF: 3913043.1/48

All: 200.107+/-0.018 χ^2/NDF: 8745377.9/101

- sign 200.057+/-0.025 χ^2/NDF: 4832326.9/52



Right In: 140367.918+/-0.047 χ^2/NDF: 100558569823.1/23

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 141013.999+/-0.044 χ^2/NDF: 125916725390.9/29

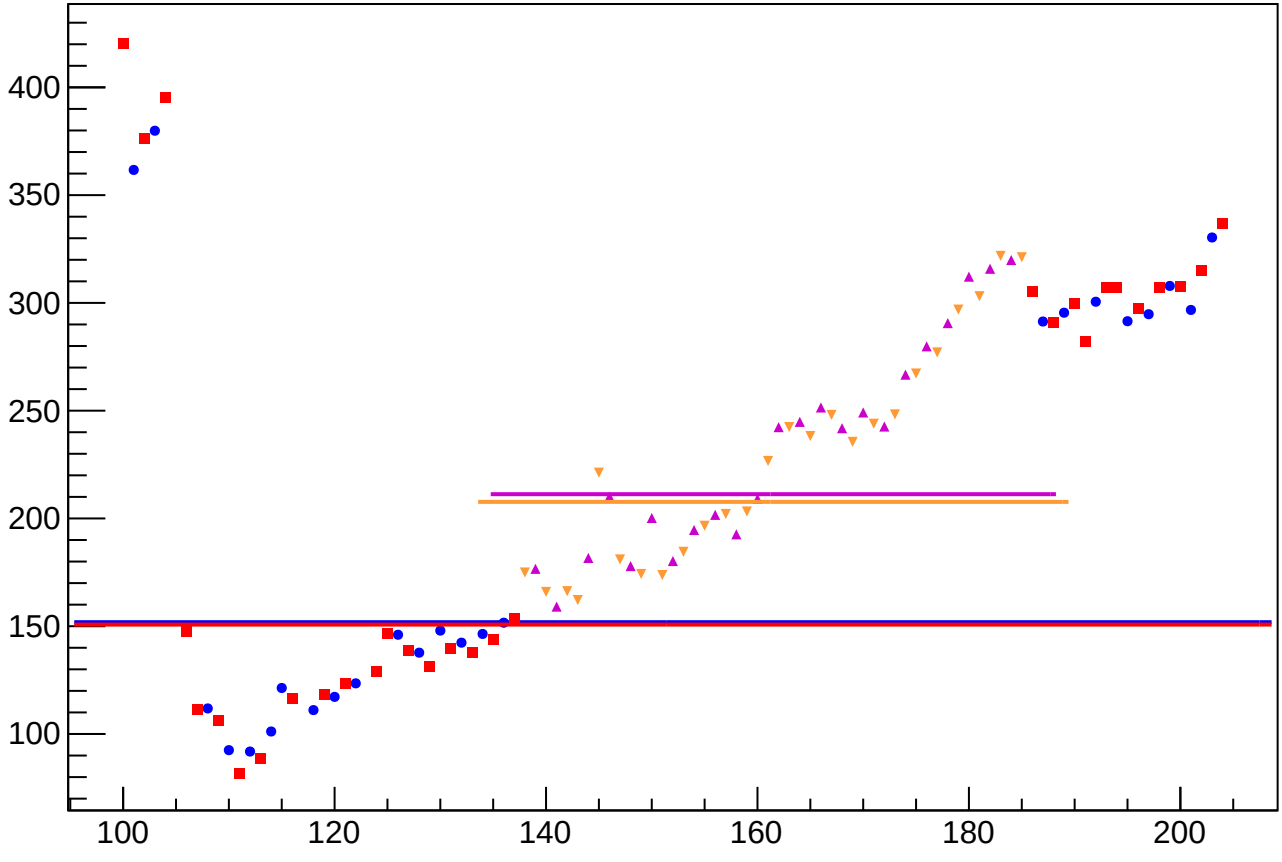
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 150304.671+/-0.034 χ^2/NDF: 291866253487

All: 149870.568+/-0.024 χ^2/NDF: 594175105

- sign 149450.832+/-0.033 χ^2/NDF: 301983088321

yield_bpm1i04WS_rms vs Slug



Right In: 151.866+/-0.033 χ^2/NDF: 4928482.3/23

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

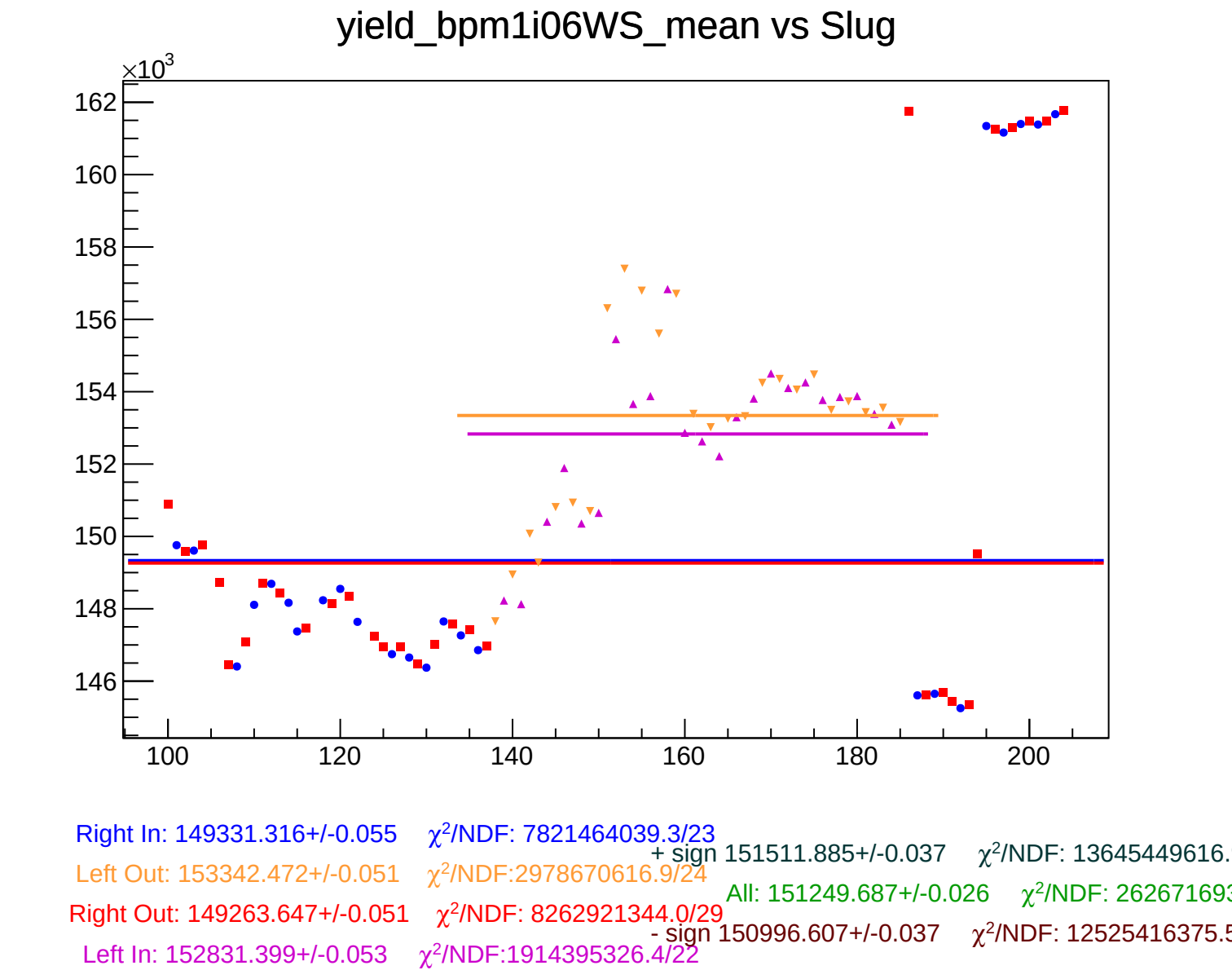
Right Out: 150.765+/-0.031 χ^2/NDF: 6499503.1/29

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

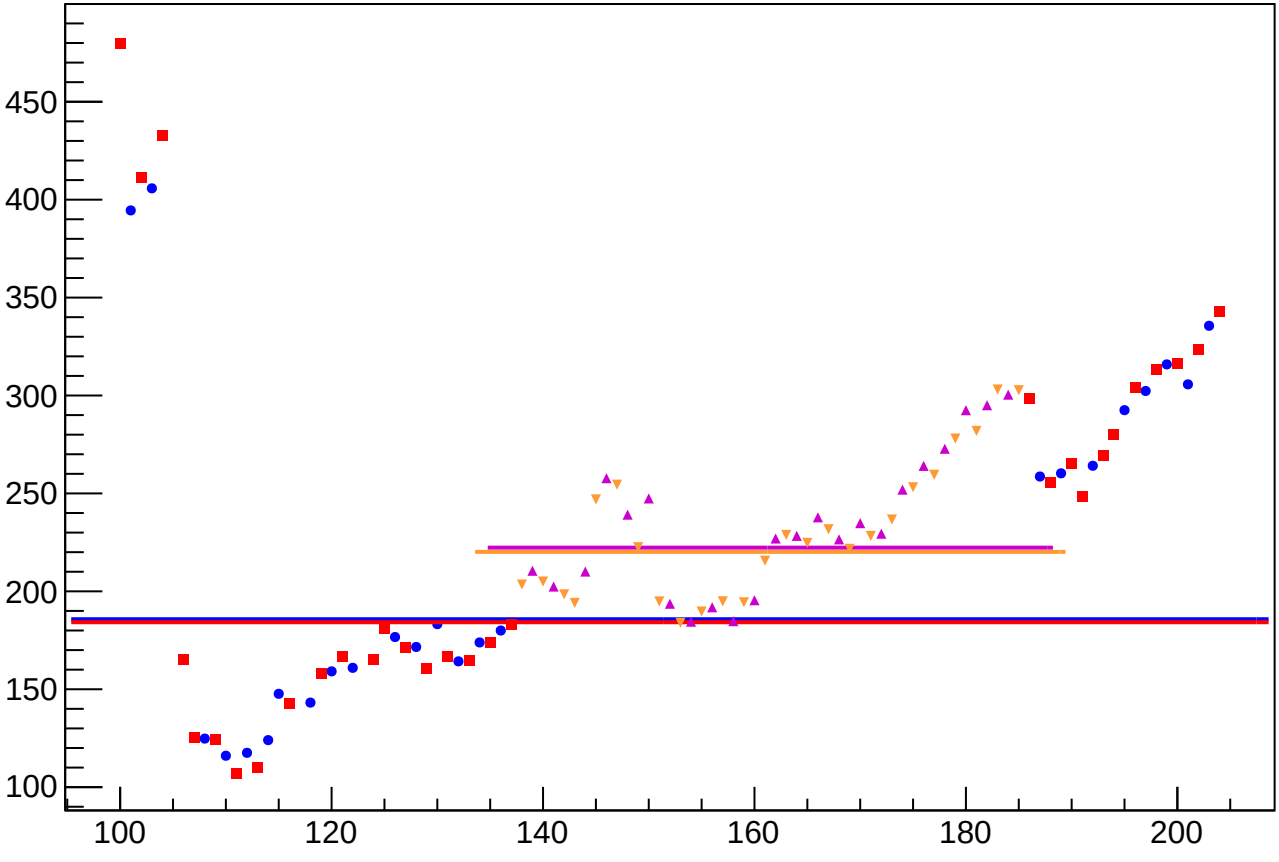
+ sign 178.947+/-0.024 χ^2/NDF: 7797387.1/48

All: 177.830+/-0.017 χ^2/NDF: 17236880.5/10

- sign 176.750+/-0.023 χ^2/NDF: 9435178.7/52


yield_bpm1i06WS_mean vs Slug
×10^3
162
160
158
156
154
152
150
148
146
100
120
140
160
180
200
Right In: 149331.316+/-0.055 χ²/NDF: 7821464039.3/23
Left Out: 153342.472+/-0.051 χ²/NDF:2978670616.9/24
Right Out: 149263.647+/-0.051 χ²/NDF: 8262921344.0/29
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
+ sign 151511.885+/-0.037 χ²/NDF: 13645449616.
All: 151249.687+/-0.026 χ²/NDF: 26267169
- sign 150996.607+/-0.037 χ²/NDF: 12525416375.5

yield_bpm1i06WS_rms vs Slug



Right In: 185.753+/-0.039 χ^2/NDF: 3358978.5/23

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

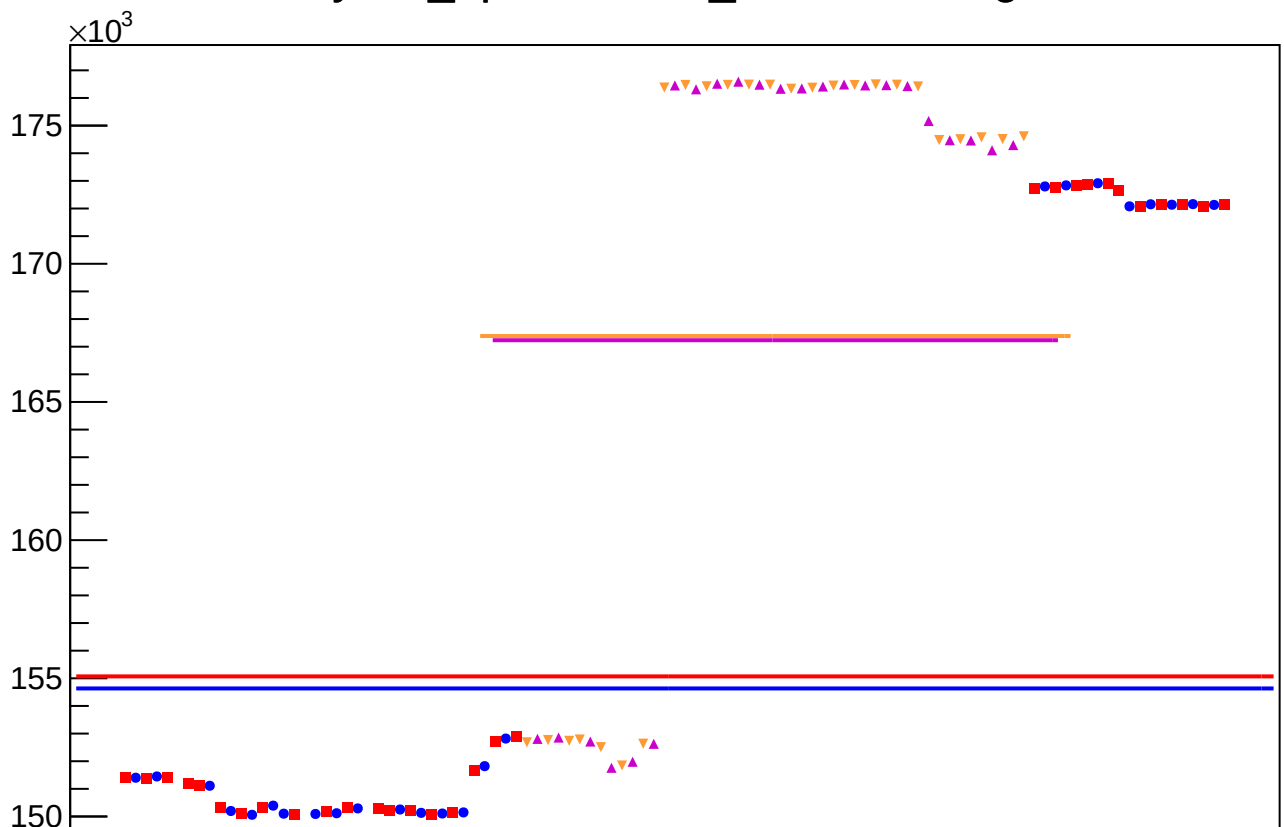
Right Out: 184.224+/-0.036 χ^2/NDF: 4394595.6/29

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 204.455+/-0.026 χ^2/NDF: 4463174.8/48

All: 203.573+/-0.019 χ^2/NDF: 10092549.2/10

- sign 202.721+/-0.026 χ^2/NDF: 5627192.3/52



Right In: 154633.107+/-0.049 χ^2/NDF: 29933703709.2/23

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 155069.740+/-0.045 χ^2/NDF: 38151226546.1/29

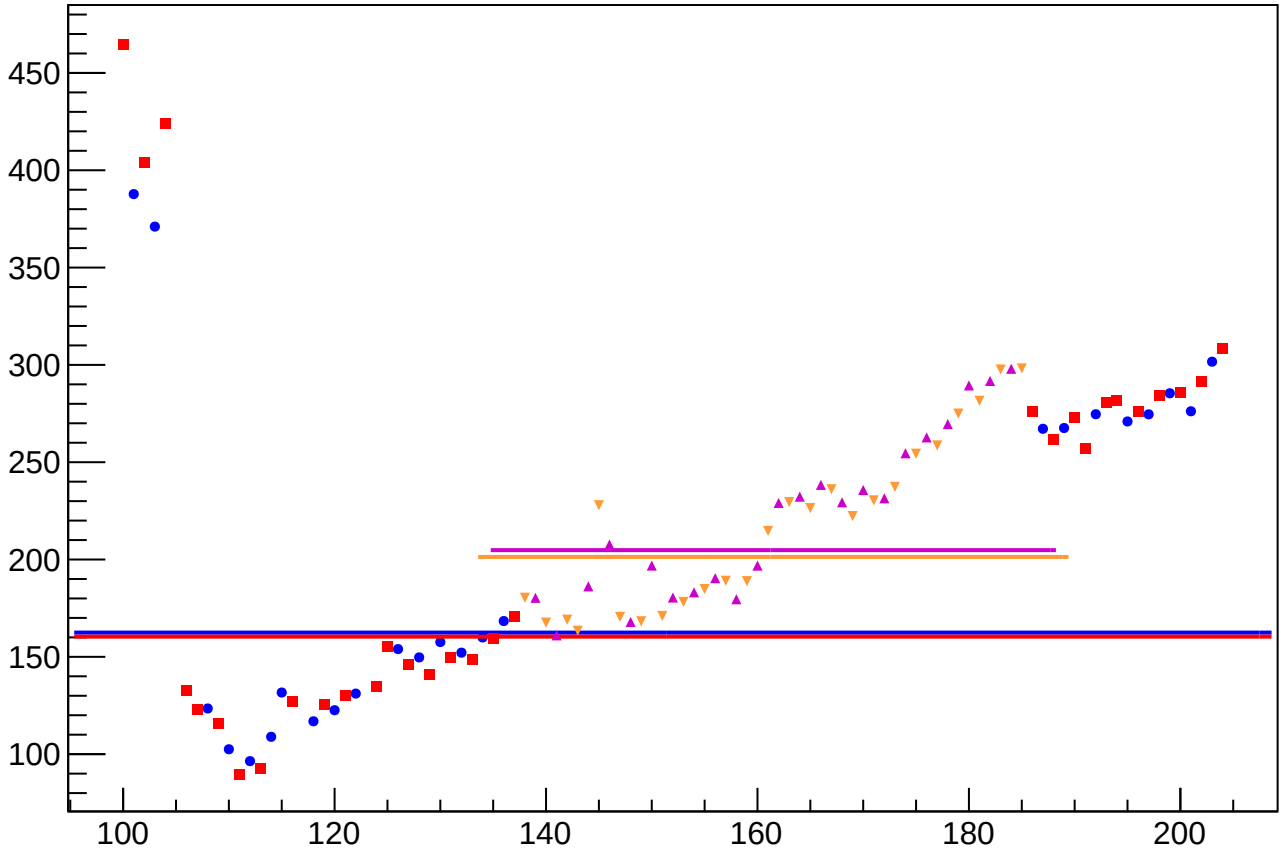
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161343.934+/-0.034 χ^2/NDF: 12481412184

All: 161020.145+/-0.024 χ^2/NDF: 2514827

- sign 160708.256+/-0.033 χ^2/NDF: 126489500999

yield_bpm2i01WS_rms vs Slug



Right In: 162.461+/-0.035 χ^2/NDF: 3968729.1/23

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

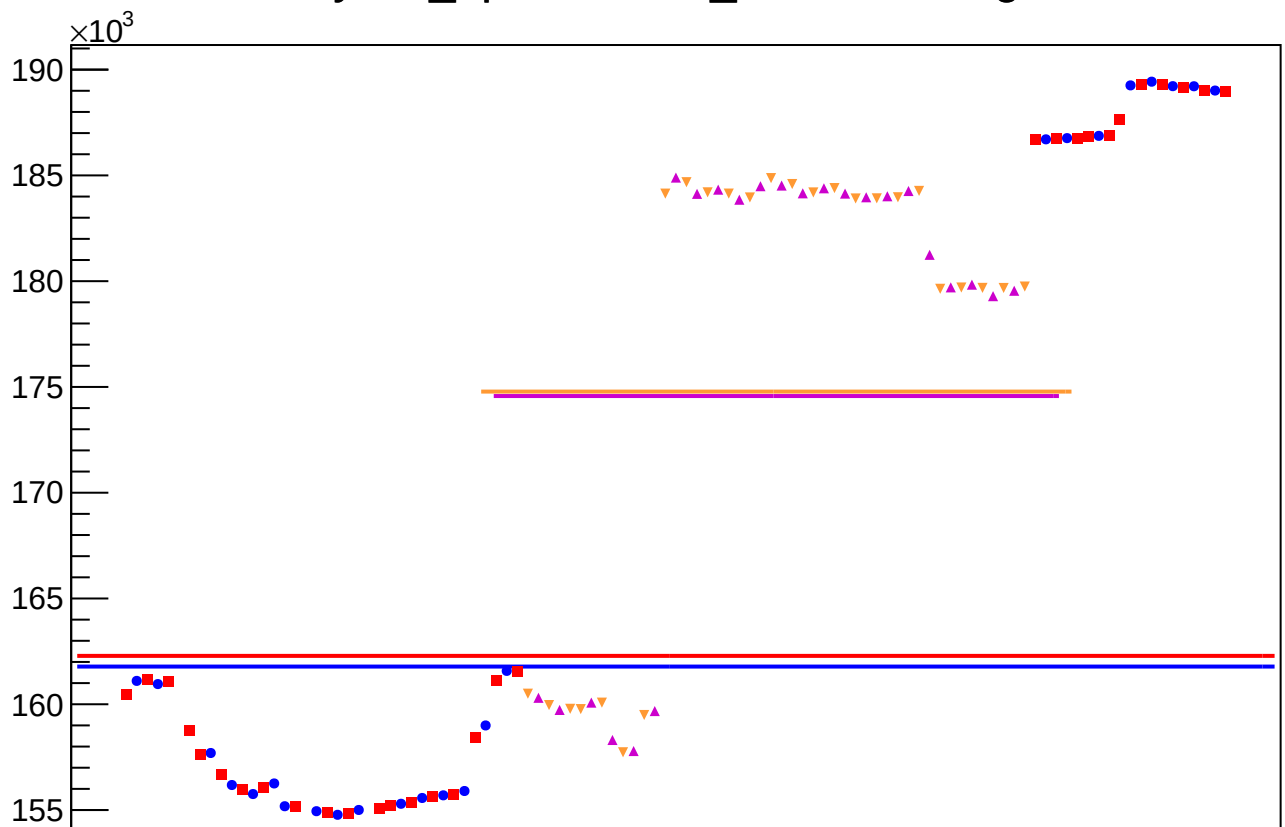
Right Out: 160.376+/-0.032 χ^2/NDF: 5292504.7/29

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 182.915+/-0.024 χ^2/NDF: 5854802.4/48

All: 181.929+/-0.017 χ^2/NDF: 13091376.9/10

- sign 180.980+/-0.024 χ^2/NDF: 7233255.2/52



Right In: 161782.017+/-0.052 χ^2/NDF: 54009326066.7/23

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 162286.829+/-0.048 χ^2/NDF: 66508917144.5/29

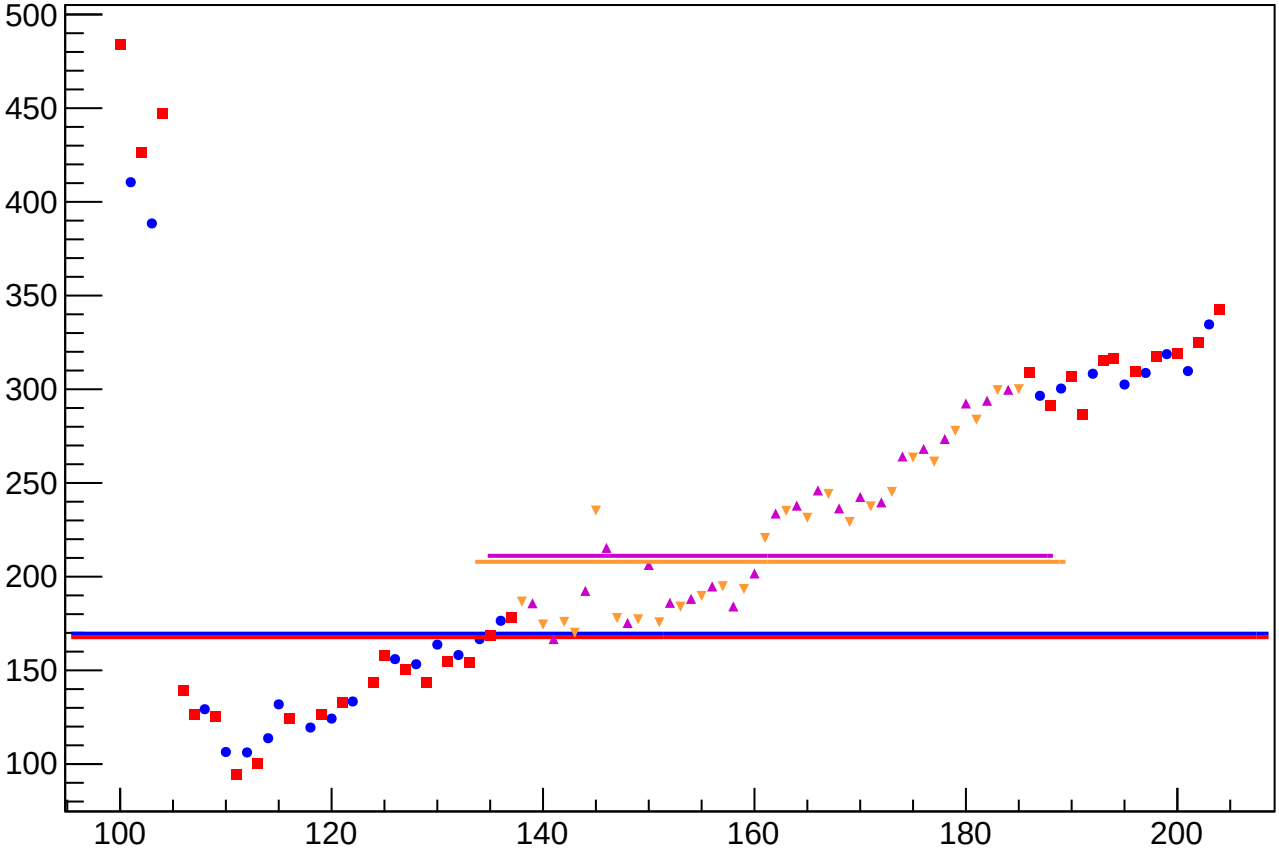
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 168760.239+/-0.035 χ^2/NDF: 145818362742

All: 168442.398+/-0.025 χ^2/NDF: 2984412

- sign 168135.057+/-0.035 χ^2/NDF: 152463585730

yield_bpm2i02WS_rms vs Slug



Right In: 169.592+/-0.037 χ^2/NDF: 4365682.1/23

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 167.713+/-0.034 χ^2/NDF: 5792808.0/29

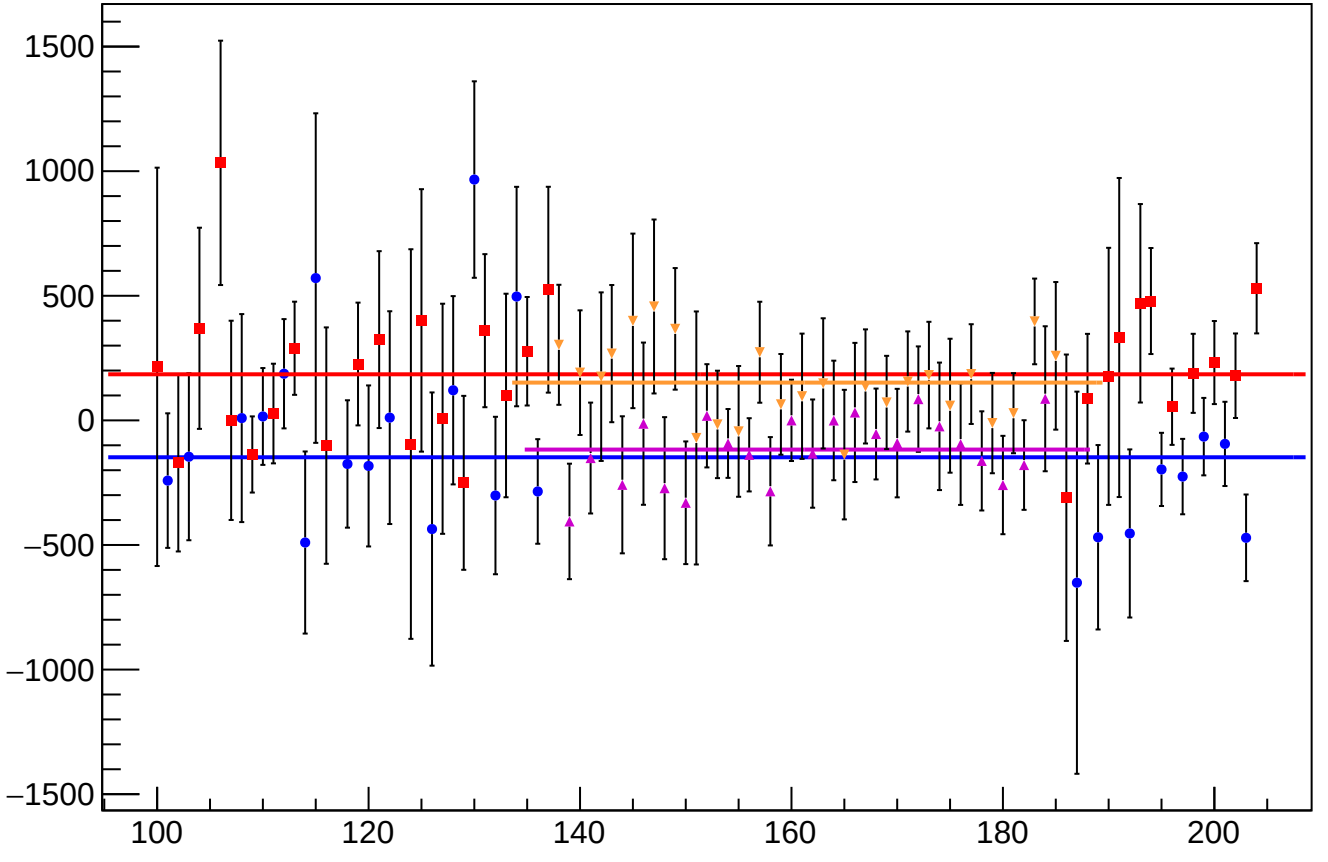
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 190.179+/-0.025 χ^2/NDF: 6083997.5/48

All: 189.267+/-0.018 χ^2/NDF: 13652805.9/10

- sign 188.386+/-0.025 χ^2/NDF: 7566189.7/52

asym_bcm_target_mean vs Slug



Right In: -148.035+/-50.779 χ^2/NDF: 23.3/23

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 184.940+/-47.183 χ^2/NDF: 21.4/29

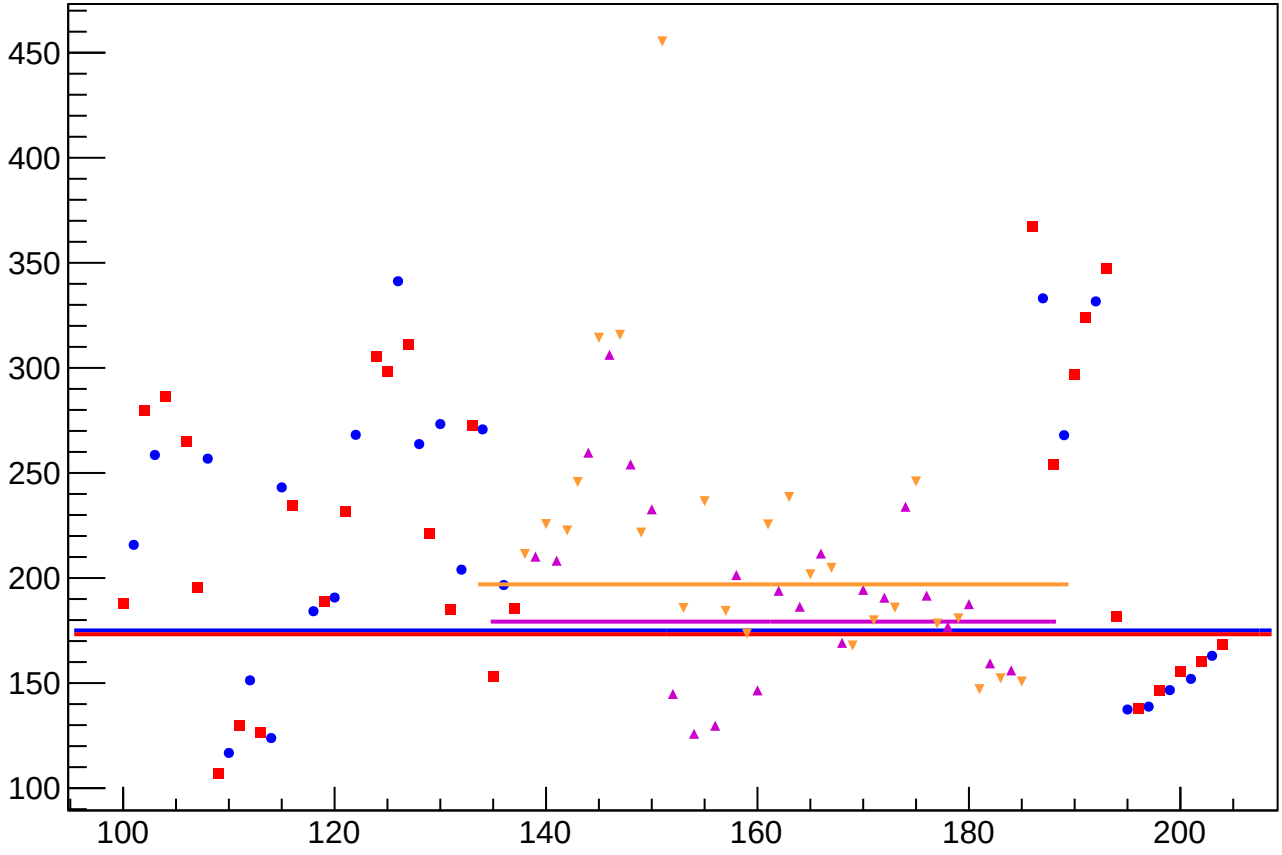
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

\+ sign 15.196+/-34.261 χ^2/NDF: 51.9/48

All: 19.137+/-23.422 χ^2/NDF: 102.8/101

\- sign 22.595+/-32.092 χ^2/NDF: 50.9/52

asym_bcm_target_rms vs Slug



Right In: 175.055+/-0.036 χ^2/NDF: 2165403.0/23

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 173.239+/-0.033 χ^2/NDF: 2862576.2/29

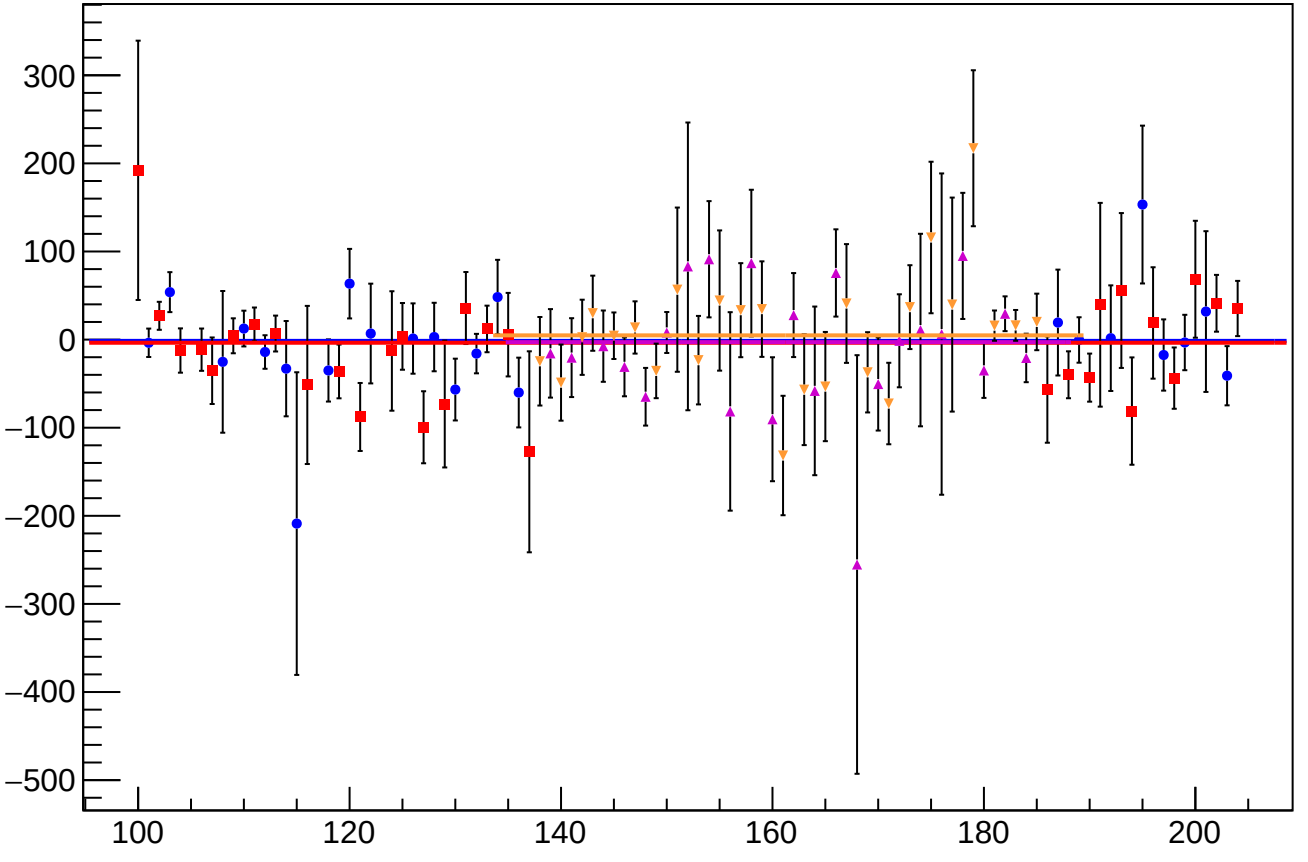
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 186.997+/-0.024 χ^2/NDF: 4177734.6/48

All: 181.391+/-0.017 χ^2/NDF: 8814335.5/101

- sign 176.472+/-0.023 χ^2/NDF: 4536078.7/52

asym_bcm_an_diff_mean vs Slug



Right In: -1.449+/-6.541 χ^2/NDF: 23.7/23

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -3.574+/-5.911 χ^2/NDF: 36.3/29

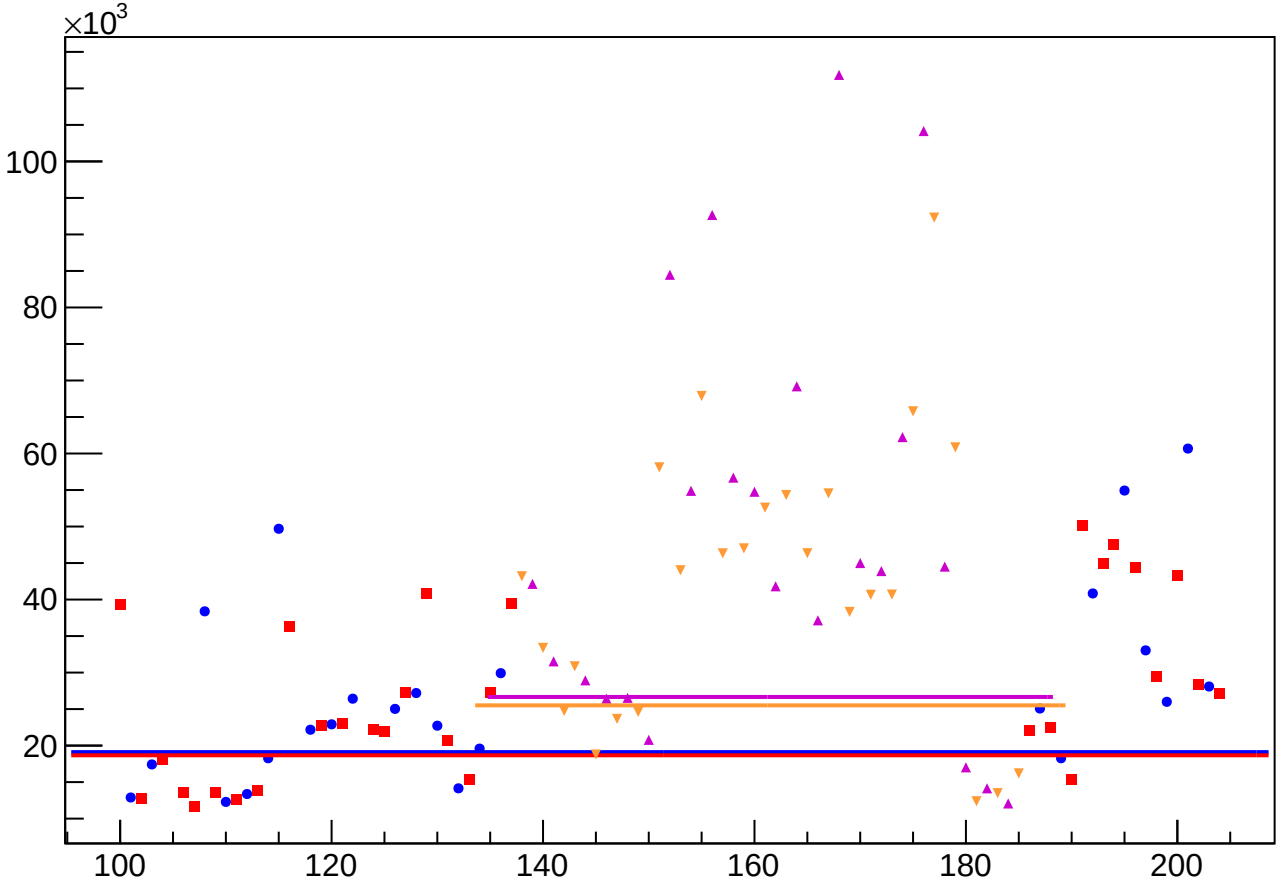
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 1.211+/-4.958 χ^2/NDF: 48.4/48

All: -1.101+/-3.490 χ^2/NDF: 106.6/101

- sign -3.372+/-4.914 χ^2/NDF: 57.8/52

asym_bcm_an_diff_rms vs Slug



Right In: 19106.577+/-4.625 χ^2/NDF: 2857233.6/23

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 18669.711+/-4.180 χ^2/NDF: 3505319.5/29

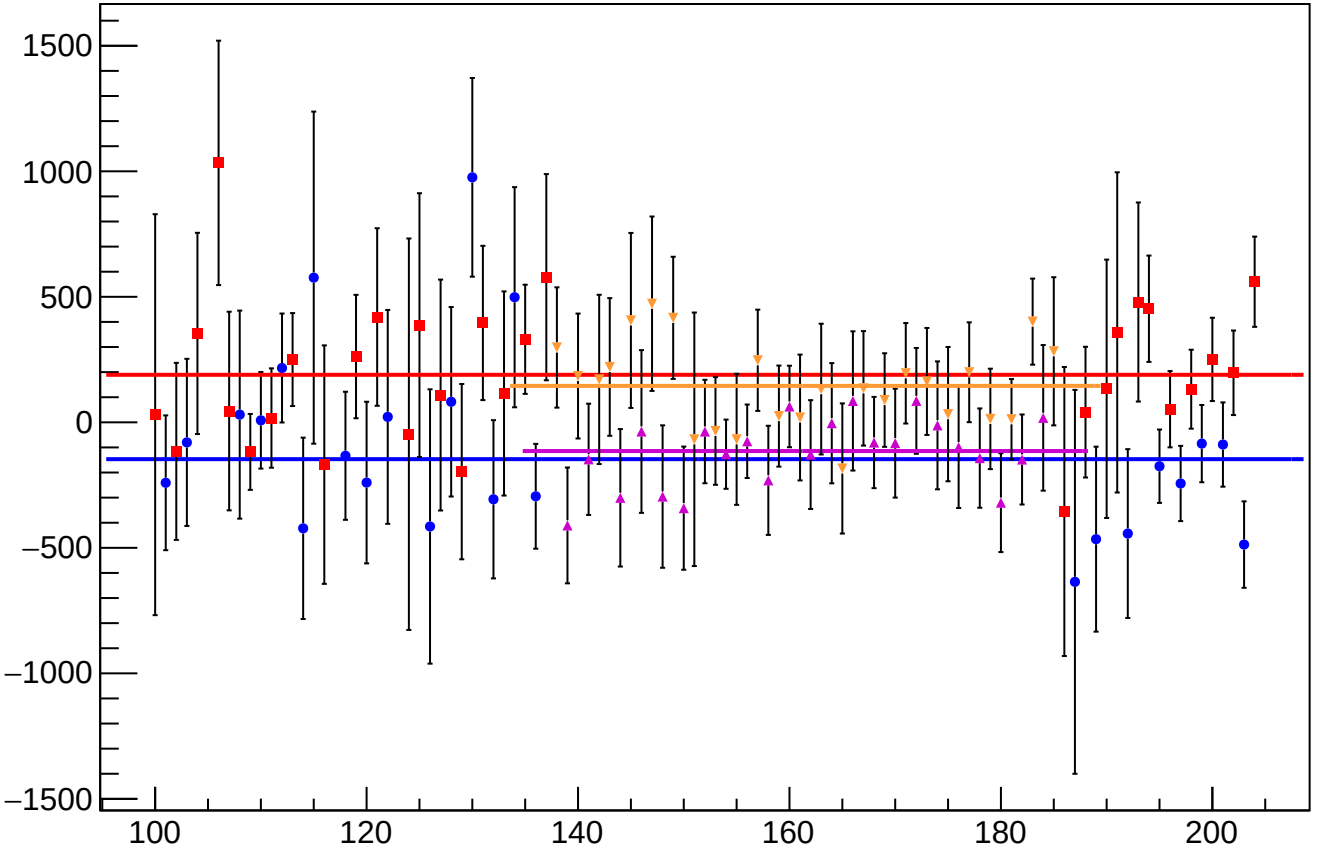
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21832.069+/-3.506 χ^2/NDF: 11416008.1/48

All: 21482.163+/-2.468 χ^2/NDF: 21953637.3

- sign 21138.485+/-3.474 χ^2/NDF: 10517883.2/52

asym_bcm_an_ds_mean vs Slug



Right In: -146.726+/-50.438 χ^2/NDF: 24.0/23

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 189.306+/-46.896 χ^2/NDF: 22.2/29

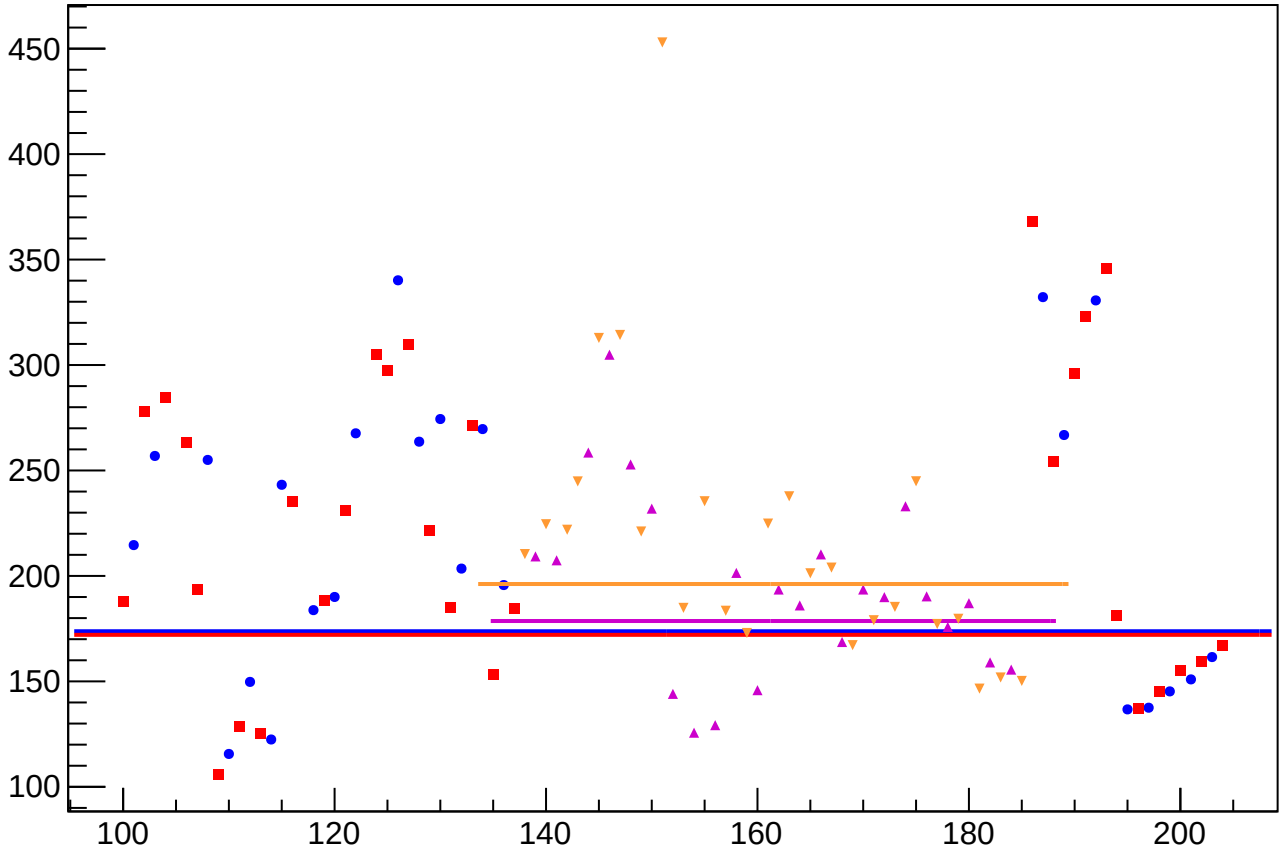
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 11.920+/-34.078 χ^2/NDF: 53.4/48

All: 19.667+/-23.304 χ^2/NDF: 106.5/101

- sign 26.472+/-31.939 χ^2/NDF: 53.0/52

asym_bcm_an_ds_rms vs Slug



Right In: 173.770+/-0.036 χ^2/NDF: 2196270.9/23

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 172.072+/-0.033 χ^2/NDF: 2899677.2/29

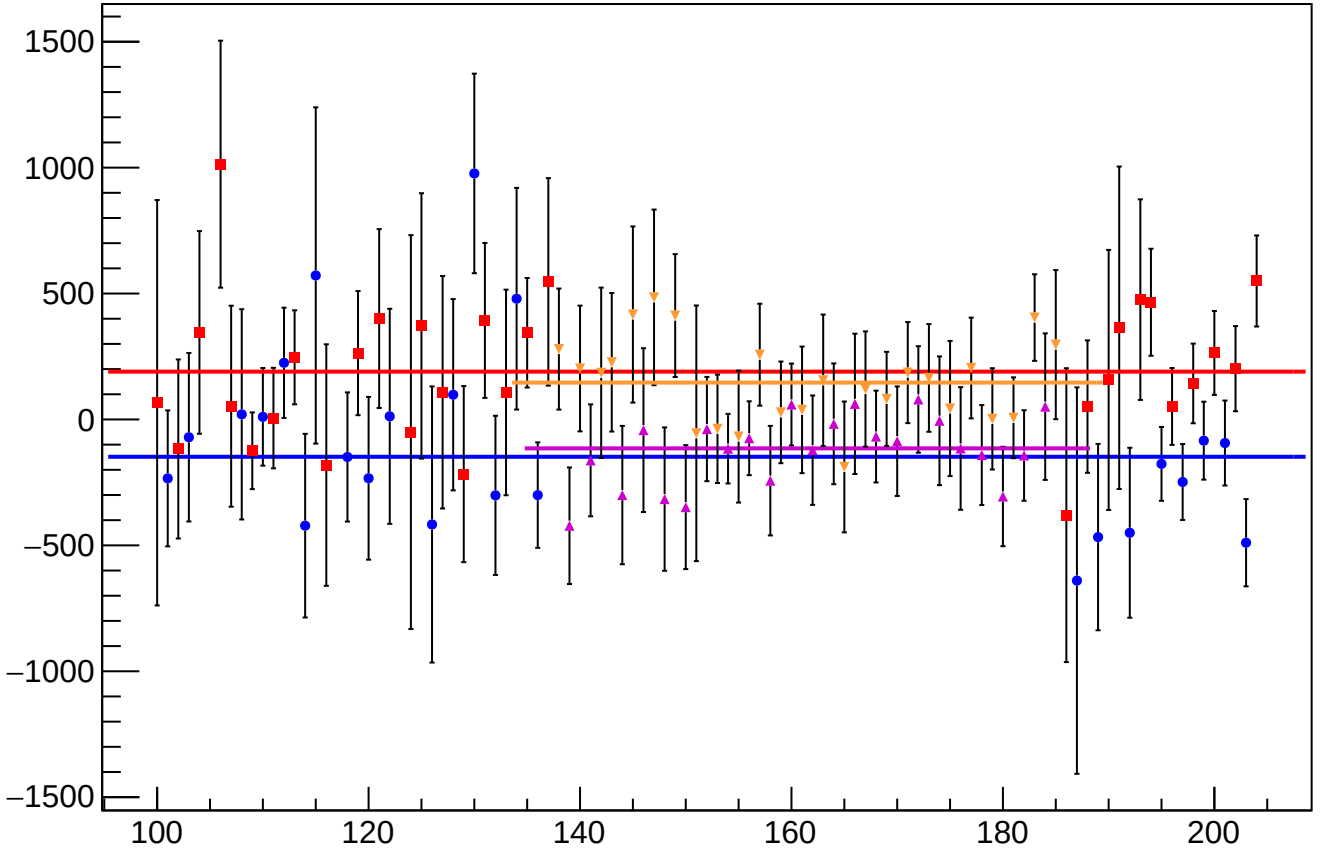
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 185.942+/-0.024 χ^2/NDF: 4217449.3/48

All: 180.427+/-0.016 χ^2/NDF: 8888285.4/101

- sign 175.583+/-0.023 χ^2/NDF: 4572459.8/52

asym_bcm_an_ds3_mean vs Slug



Right In: -148.215+/-50.700 χ^2/NDF: 23.9/23

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 189.918+/-47.143 χ^2/NDF: 22.0/29

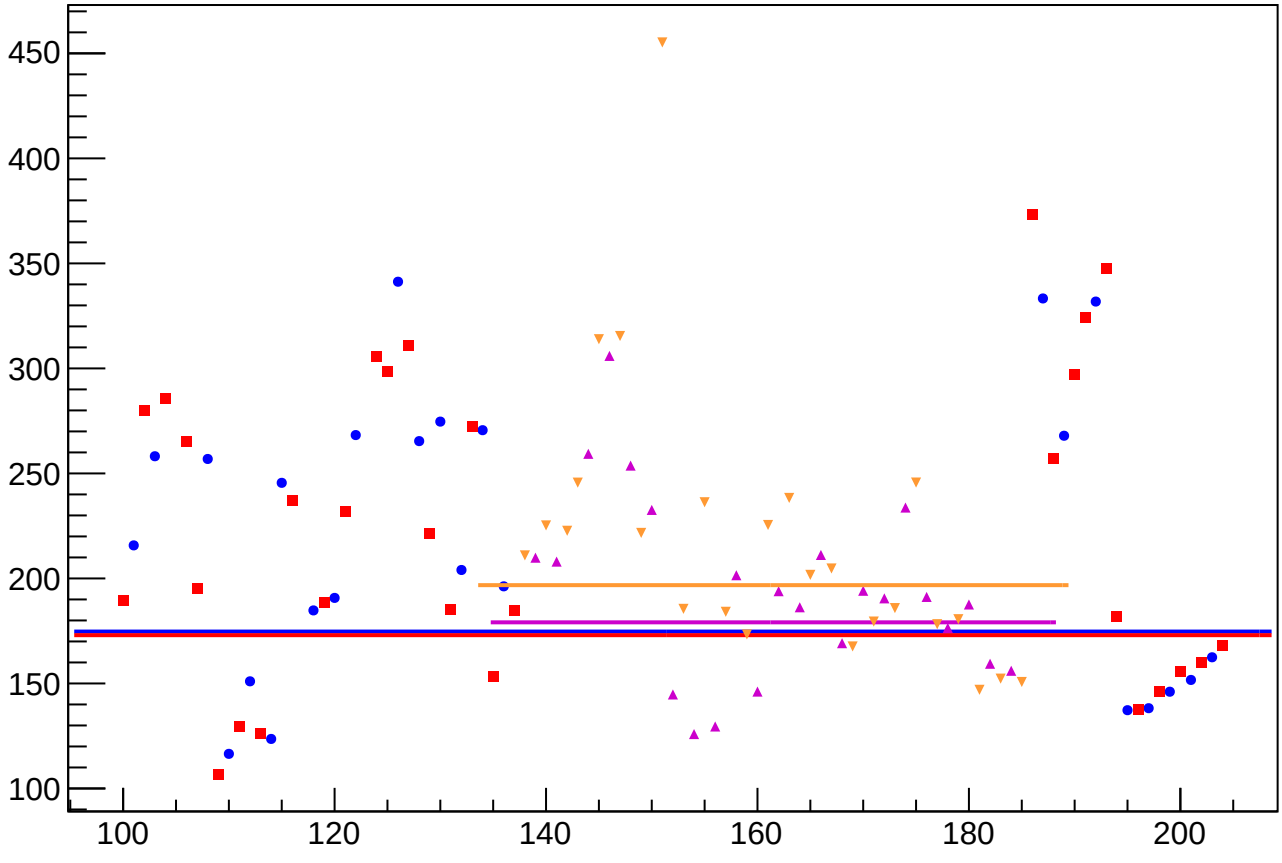
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 12.192+/-34.221 χ^2/NDF: 53.8/48

All: 19.631+/-23.398 χ^2/NDF: 106.7/101

- sign 26.163+/-32.065 χ^2/NDF: 52.9/52

asym_bcm_an_ds3_rms vs Slug



Right In: 174.709+/-0.036 χ^2/NDF: 2186252.6/23

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

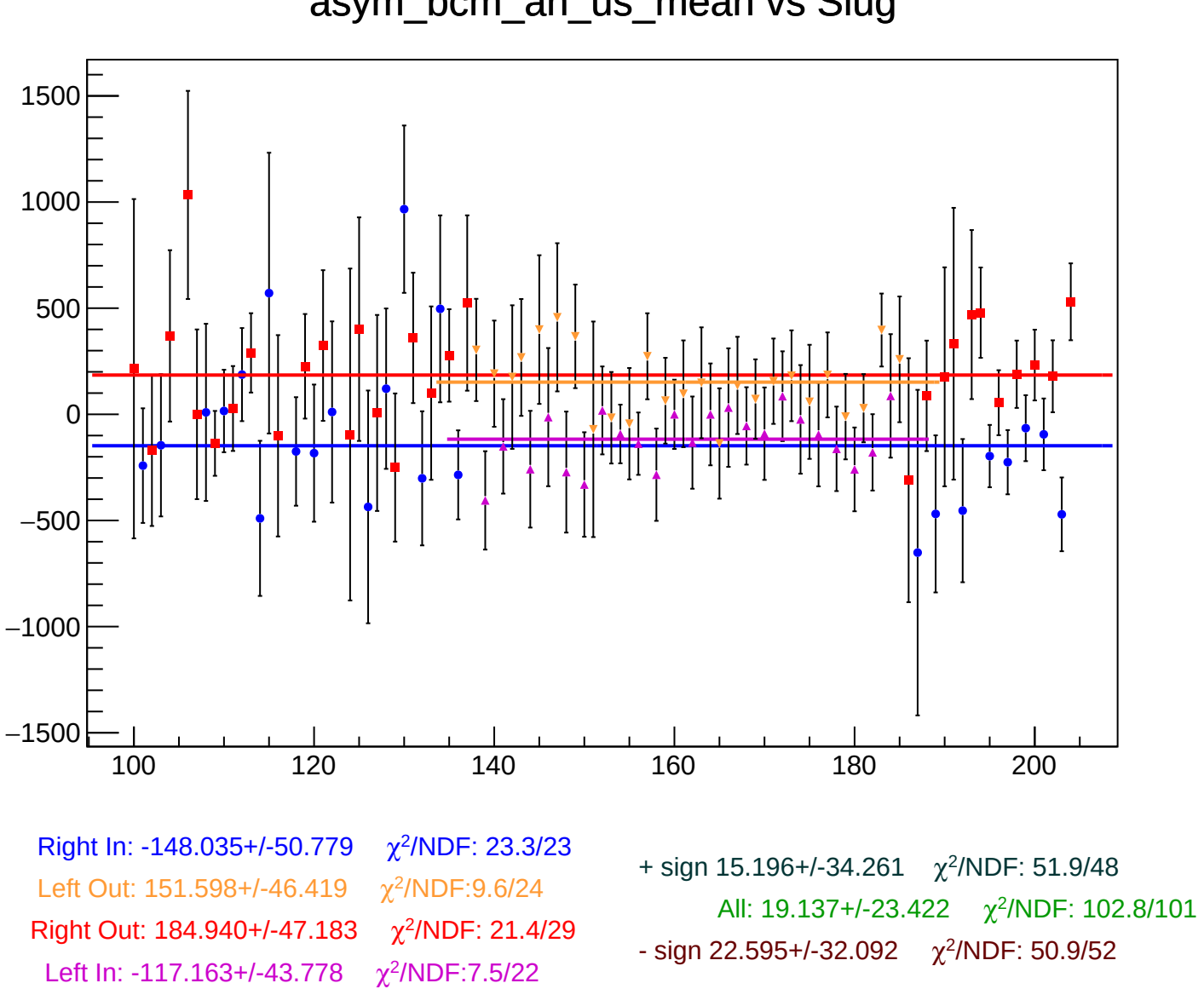
Right Out: 172.986+/-0.033 χ^2/NDF: 2895929.3/29

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

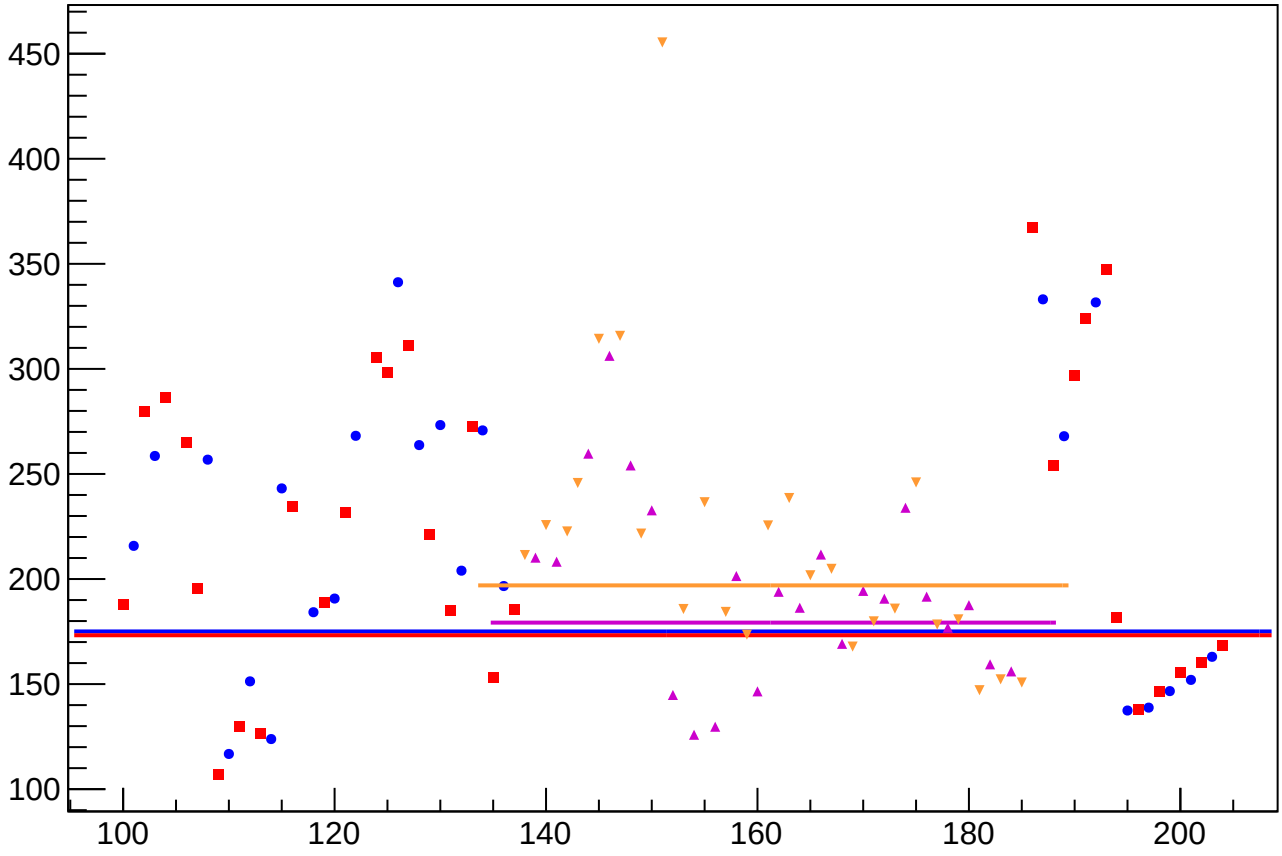
+ sign 186.739+/-0.024 χ^2/NDF: 4201687.8/48

All: 181.165+/-0.017 χ^2/NDF: 8871193.7/101

- sign 176.272+/-0.023 χ^2/NDF: 4569877.5/52


asym_bcm_an_us_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -148.035+/-50.779 χ²/NDF: 23.3/23
Left Out: 151.598+/-46.419 χ²/NDF:9.6/24
Right Out: 184.940+/-47.183 χ²/NDF: 21.4/29
Left In: -117.163+/-43.778 χ²/NDF:7.5/22
+ sign 15.196+/-34.261 χ²/NDF: 51.9/48
All: 19.137+/-23.422 χ²/NDF: 102.8/101
- sign 22.595+/-32.092 χ²/NDF: 50.9/52

asym_bcm_an_us_rms vs Slug



Right In: 175.055+/-0.036 χ^2/NDF: 2165403.0/23

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 173.239+/-0.033 χ^2/NDF: 2862576.2/29

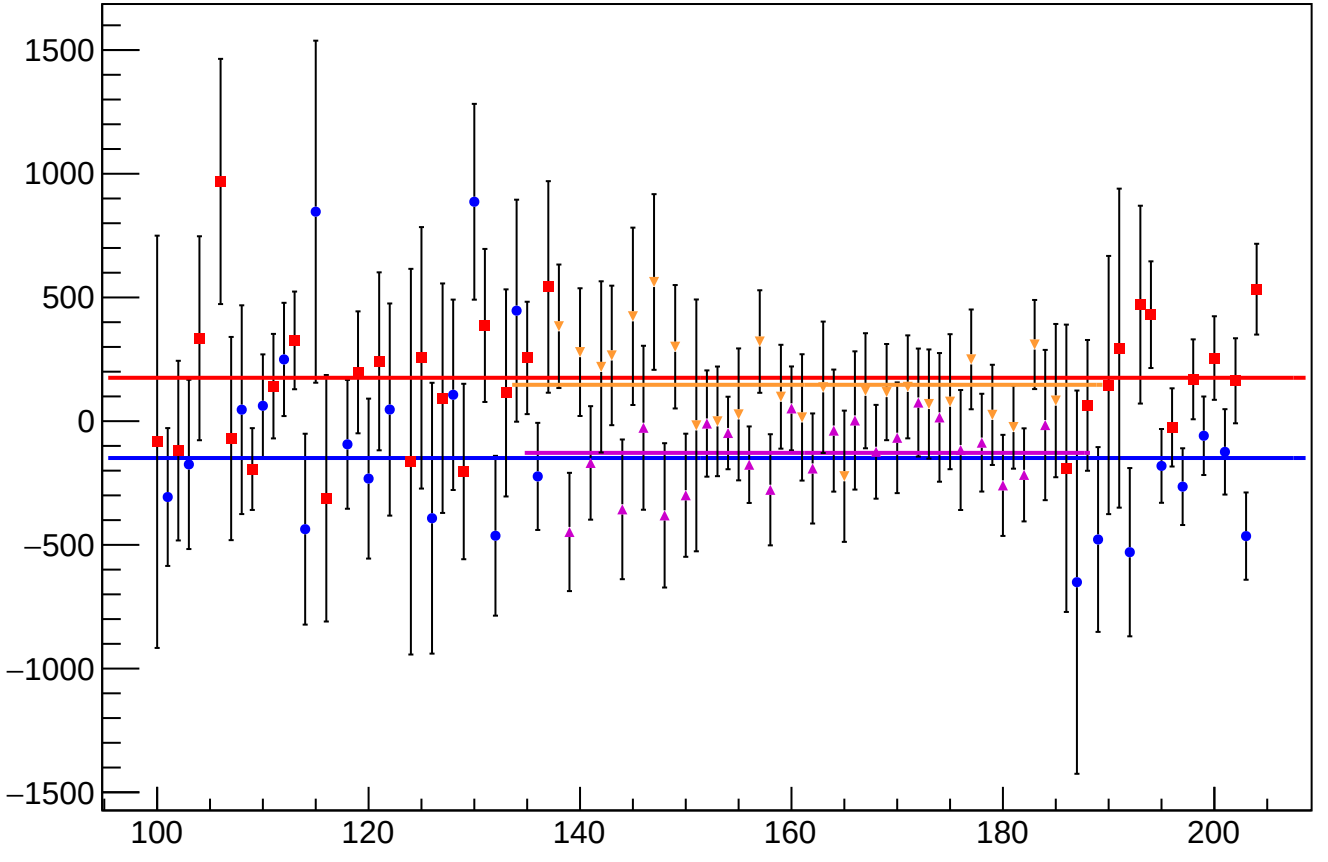
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 186.997+/-0.024 χ^2/NDF: 4177734.6/48

All: 181.391+/-0.017 χ^2/NDF: 8814335.5/101

- sign 176.472+/-0.023 χ^2/NDF: 4536078.7/52

asym_bcm_dg_us_mean vs Slug



Right In: -148.969+/-52.008 χ^2/NDF: 24.5/23

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 175.328+/-48.521 χ^2/NDF: 21.4/29

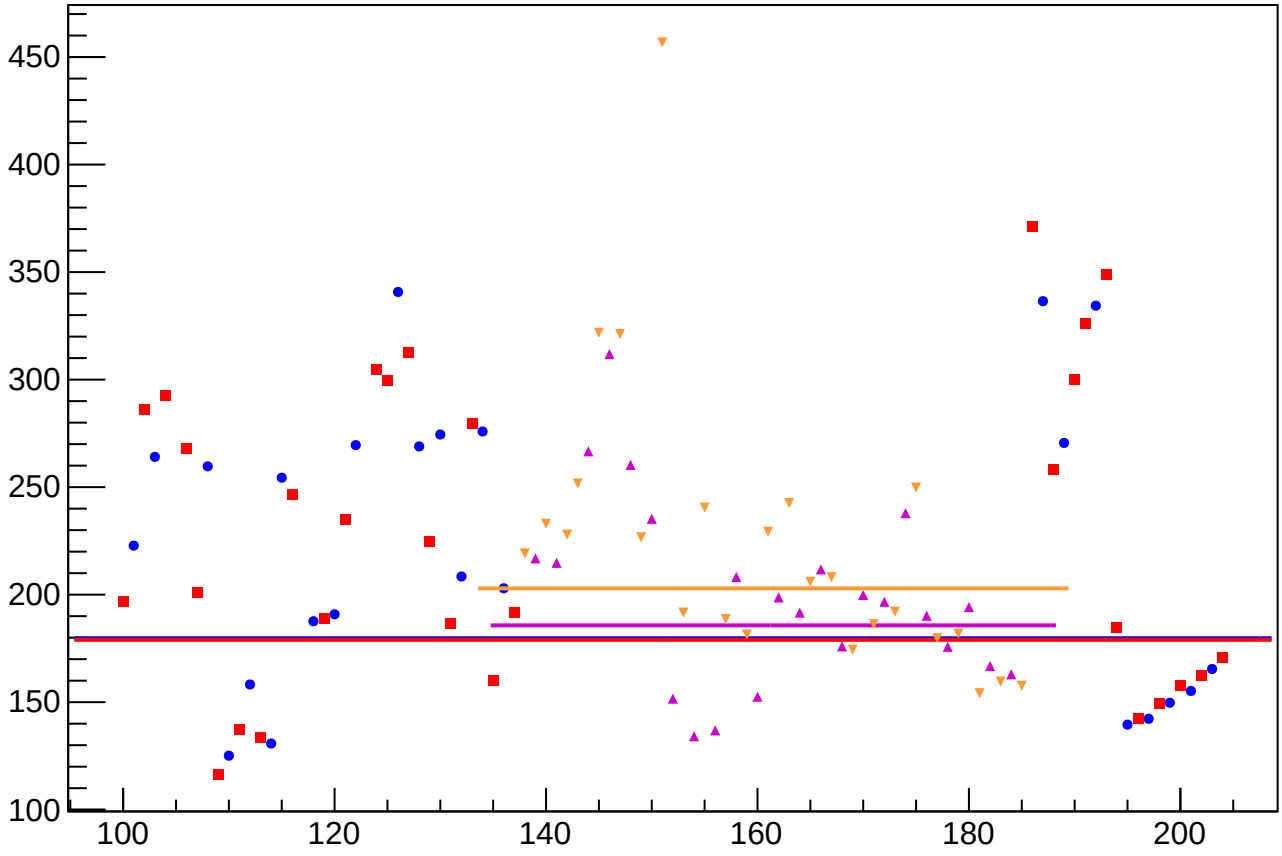
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 11.738+/-35.157 χ^2/NDF: 52.2/48

All: 12.325+/-24.089 χ^2/NDF: 103.1/101

- sign 12.844+/-33.073 χ^2/NDF: 50.9/52

asym_bcm_dg_us_rms vs Slug



Right In: 179.721+/-0.037 χ^2/NDF: 2071058.0/23

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 179.013+/-0.034 χ^2/NDF: 2645141.5/29

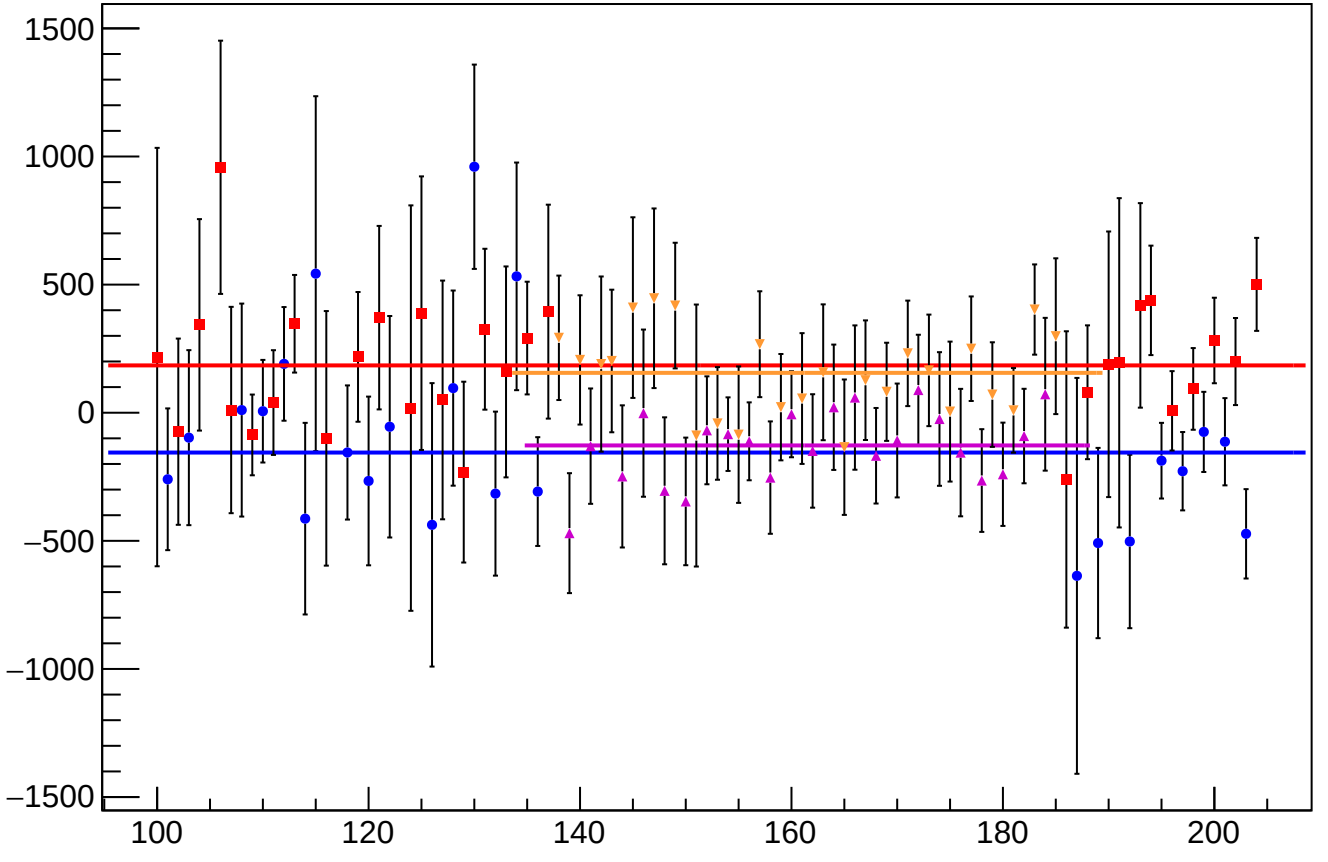
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 192.319+/-0.025 χ^2/NDF: 3987273.4/48

All: 187.164+/-0.017 χ^2/NDF: 8223399.9/101

- sign 182.602+/-0.023 χ^2/NDF: 4155064.4/52

asym_bcm_dg_ds_mean vs Slug



Right In: -155.417+/-51.354 χ^2/NDF: 23.0/23

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 184.685+/-47.749 χ^2/NDF: 18.0/29

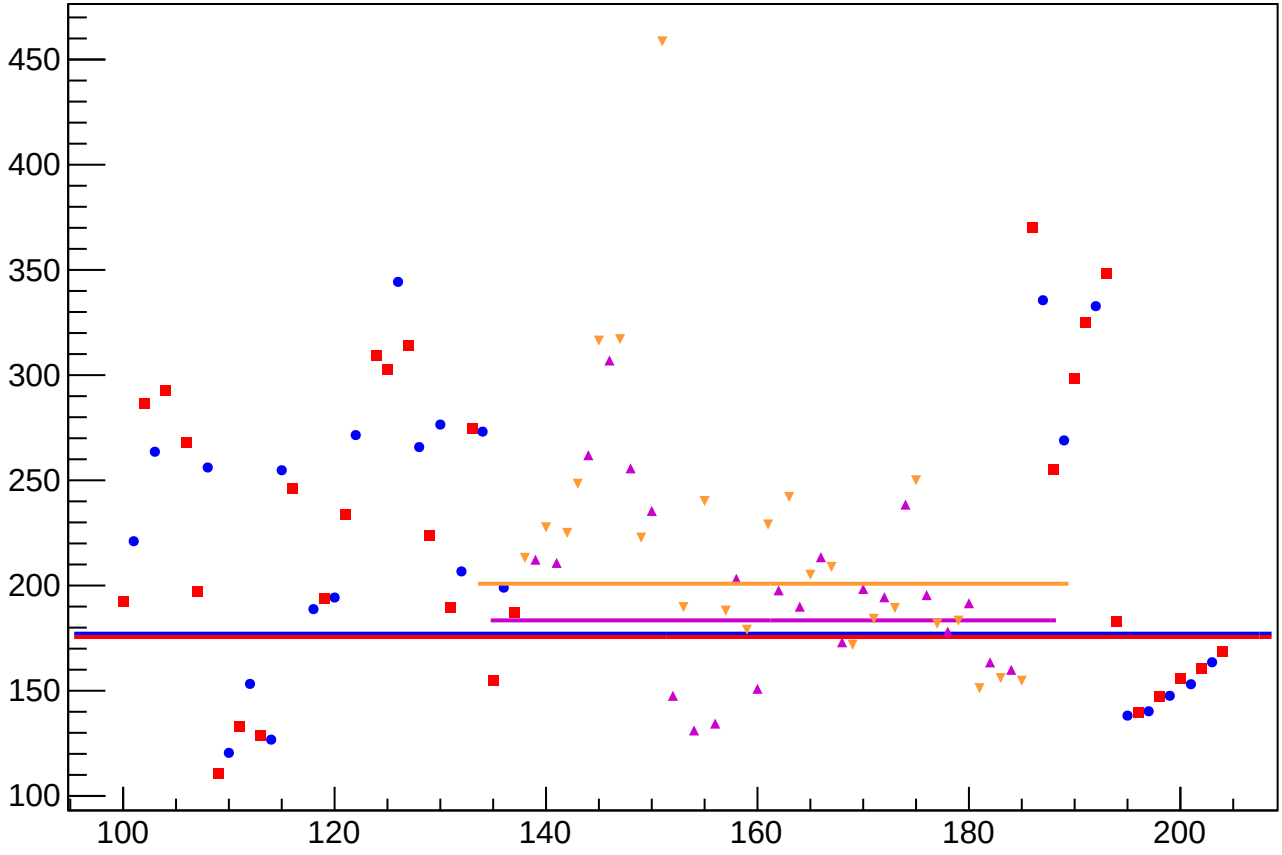
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 12.997+/-34.777 χ^2/NDF: 53.5/48

All: 15.773+/-23.796 χ^2/NDF: 102.3/101

- sign 18.217+/-32.631 χ^2/NDF: 48.8/52

asym_bcm_dg_ds_rms vs Slug



Right In: 177.117+/-0.036 χ^2/NDF: 2156047.4/23

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 175.538+/-0.034 χ^2/NDF: 2820921.3/29

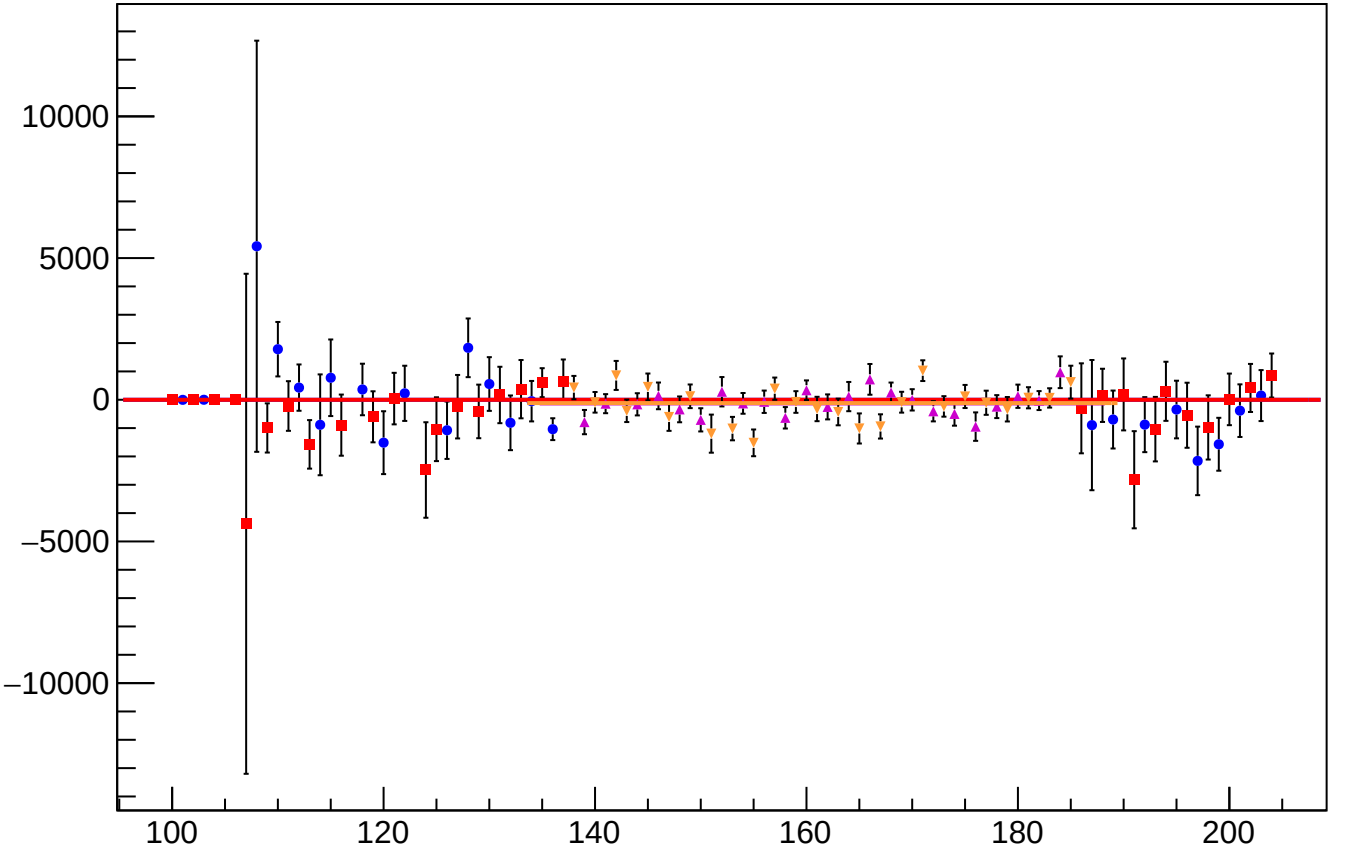
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 189.974+/-0.025 χ^2/NDF: 4115005.8/48

All: 184.535+/-0.017 χ^2/NDF: 8587753.2/101

- sign 179.746+/-0.023 χ^2/NDF: 4380744.0/52

asym_cav4bQ_mean vs Slug



Right In: -1.265+/-2.171 χ^2/NDF: 27.7/23

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.379+/-2.022 χ^2/NDF: 23.0/29

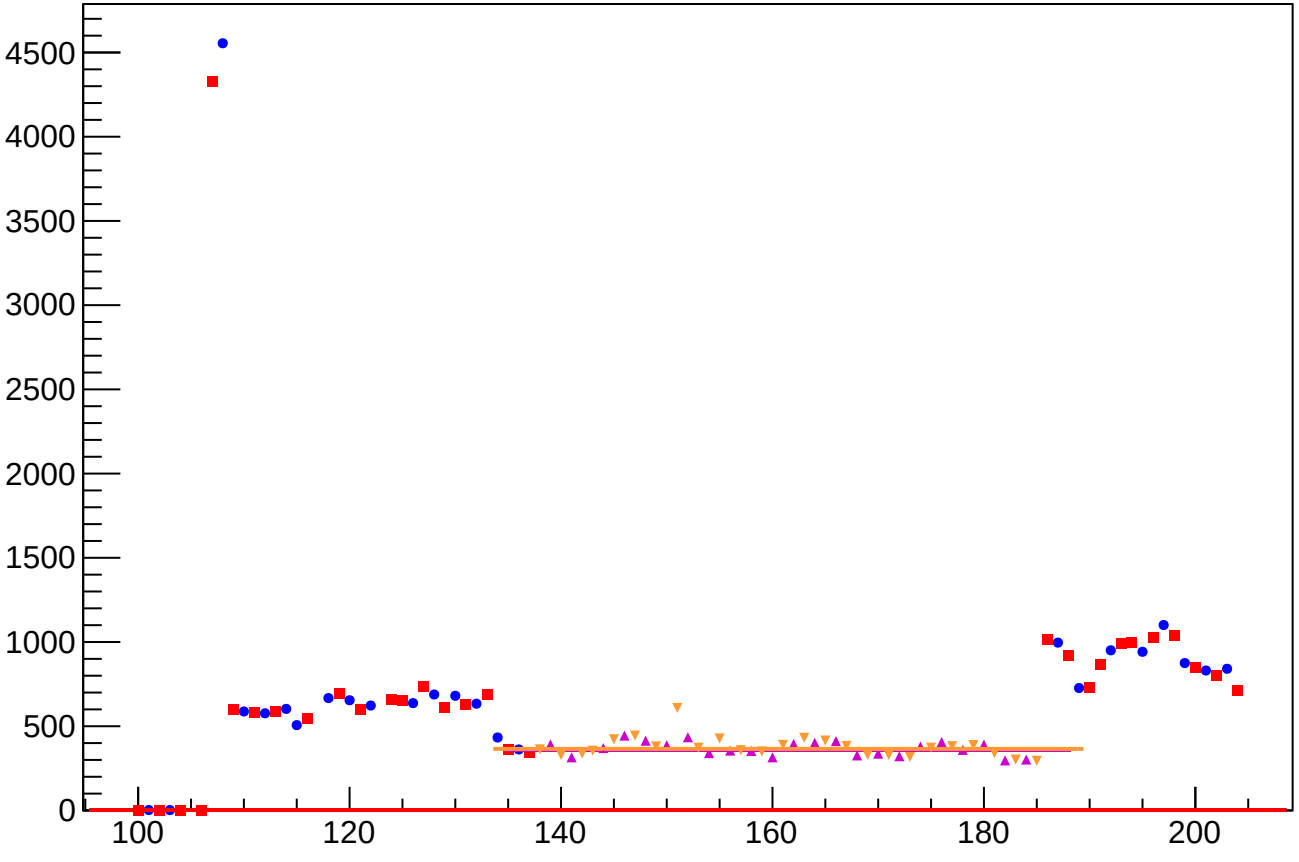
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.343+/-2.170 χ^2/NDF: 75.9/48

All: -1.401+/-1.479 χ^2/NDF: 122.9/101

- sign -1.452+/-2.022 χ^2/NDF: 46.9/52

asym_cav4bQ_rms vs Slug



Right In: 2.508+/-0.002 χ^2/NDF: 23346188.0/23

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.498+/-0.001 χ^2/NDF: 27178020.6/29

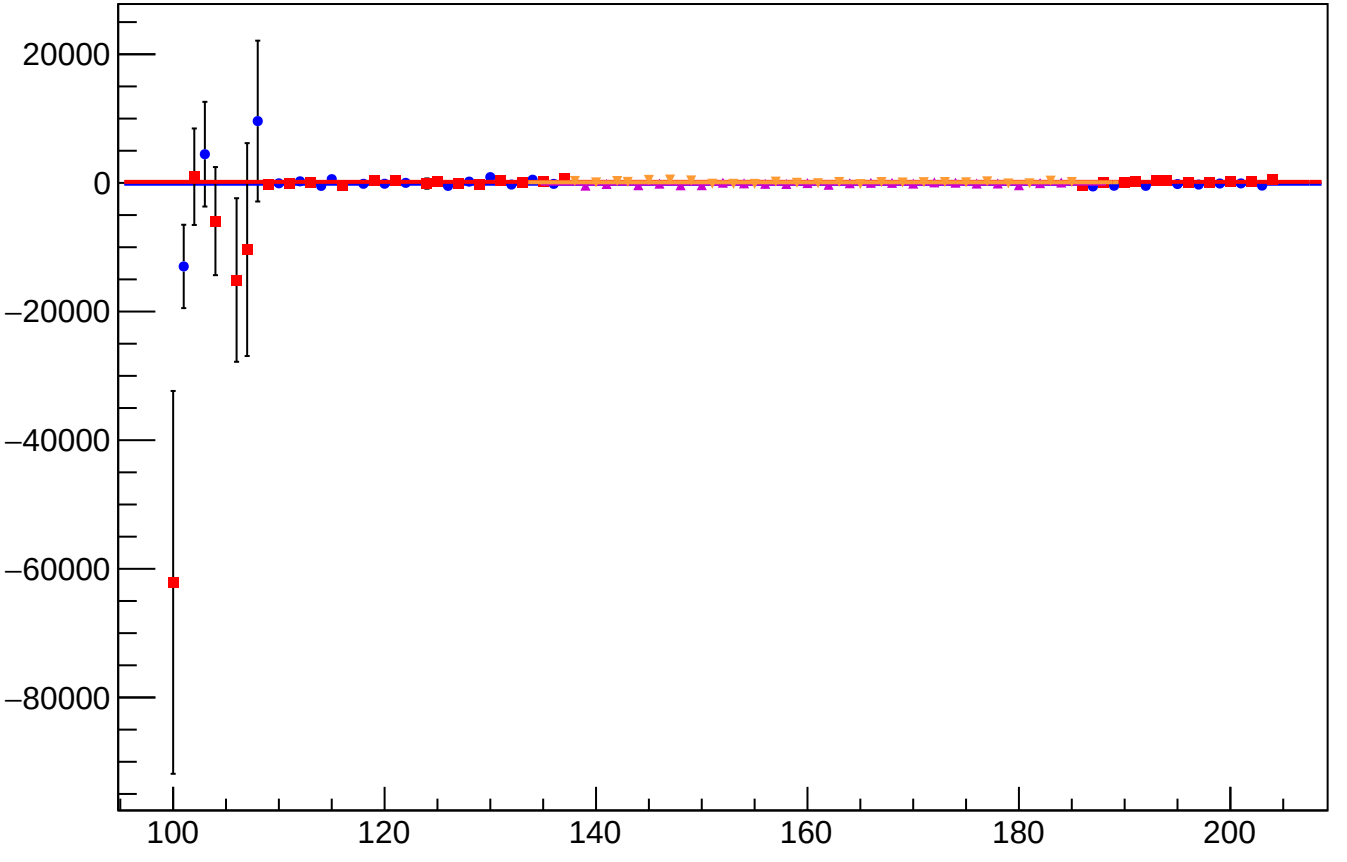
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.749+/-0.002 χ^2/NDF: 61174810.7/48

All: 2.722+/-0.001 χ^2/NDF: 123904444.9/101

- sign 2.699+/-0.001 χ^2/NDF: 62729080.3/52

asym_cav4cQ_mean vs Slug



Right In: -130.088+/-56.602 χ^2/NDF: 23.9/23

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 162.259+/-53.163 χ^2/NDF: 21.7/29

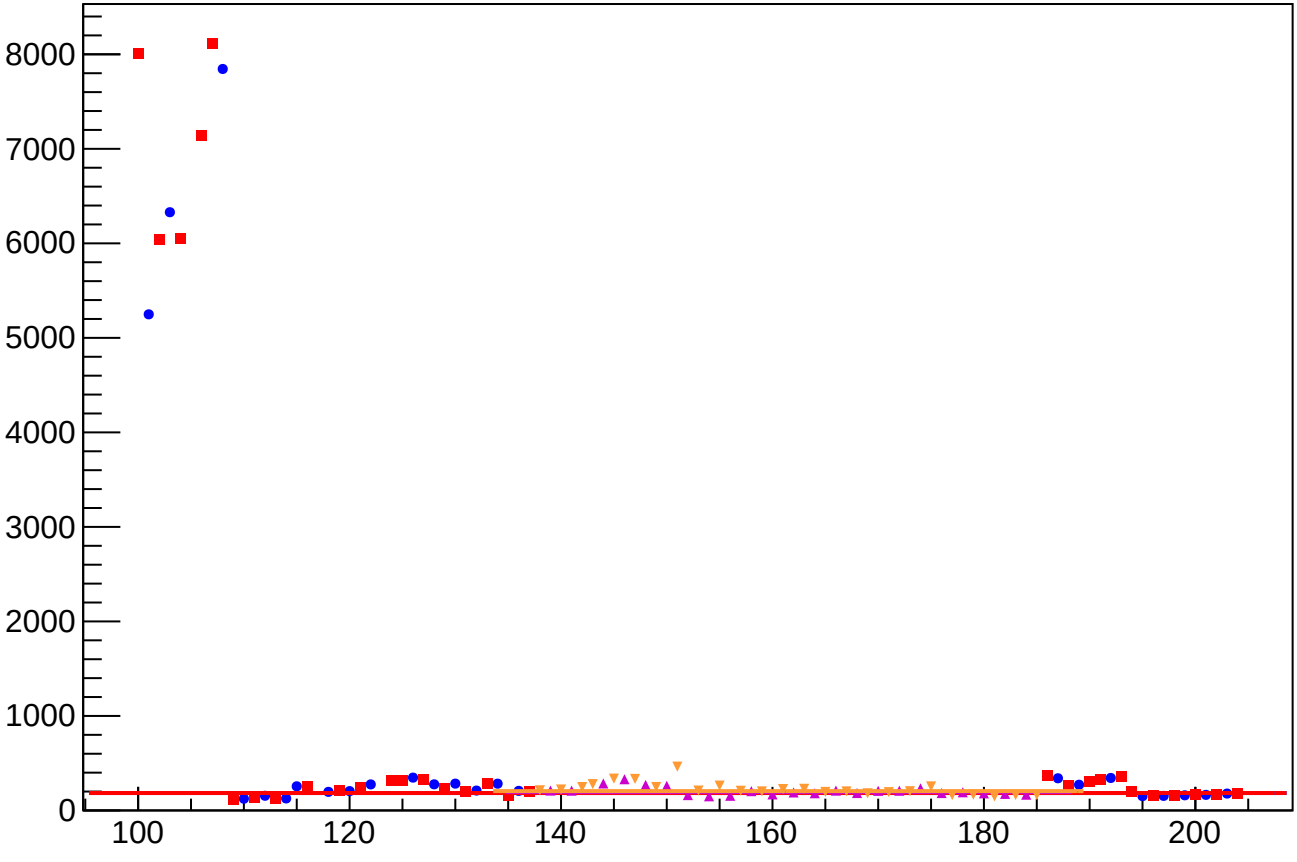
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign 2.937+/-36.719 χ^2/NDF: 46.2/48

All: 3.526+/-25.408 χ^2/NDF: 92.9/101

- sign 4.067+/-35.194 χ^2/NDF: 46.7/52

asym_cav4cQ_rms vs Slug



Right In: 184.354+/-0.040 χ^2/NDF: 4819869.8/23

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 184.528+/-0.038 χ^2/NDF: 5502333.9/29

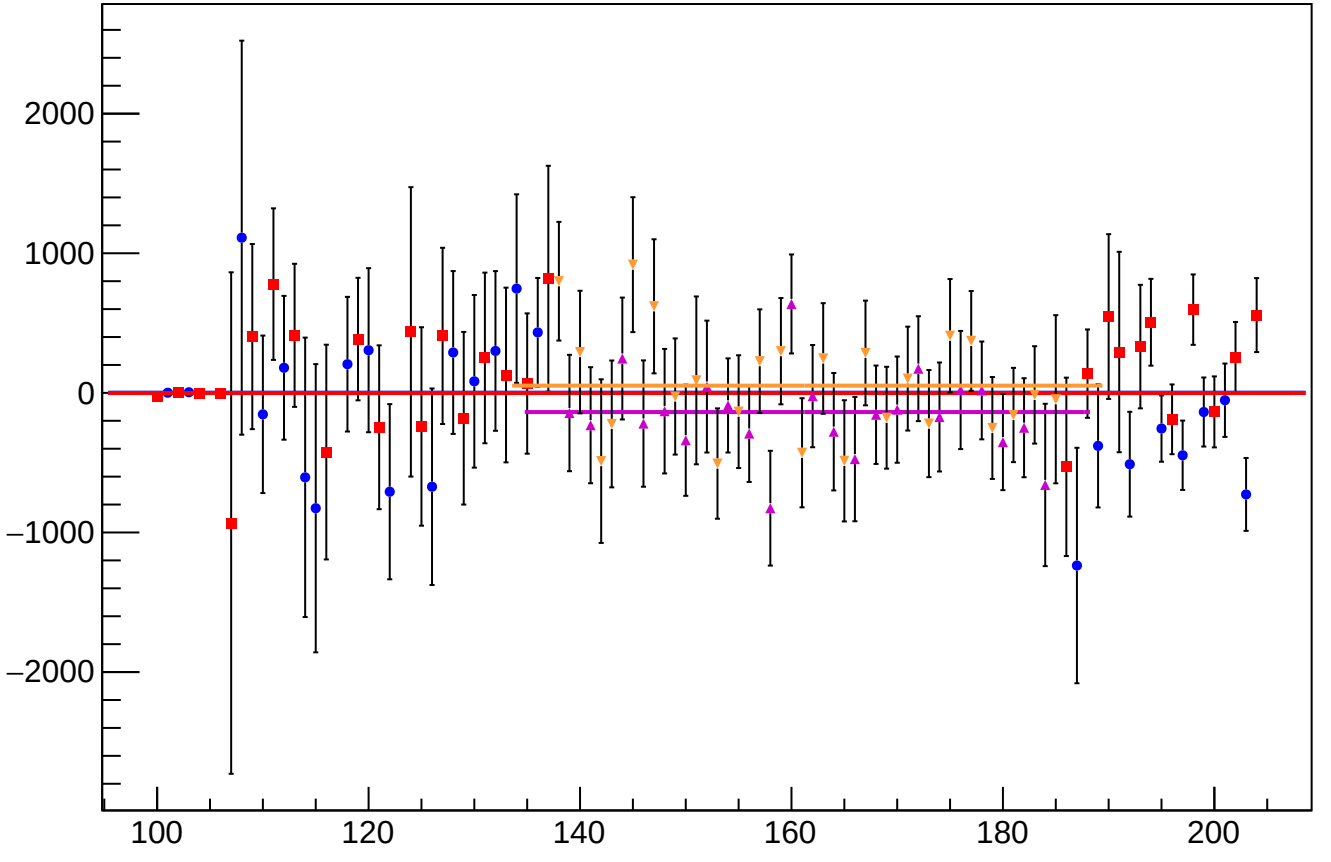
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 196.069+/-0.026 χ^2/NDF: 6942898.6/48

All: 192.796+/-0.018 χ^2/NDF: 13702176.4/10

- sign 189.790+/-0.025 χ^2/NDF: 6728801.1/52

asym_cav4dQ_mean vs Slug



Right In: 1.365+/-1.660 χ^2/NDF: 25.2/23

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -1.034+/-1.528 χ^2/NDF: 26.2/29

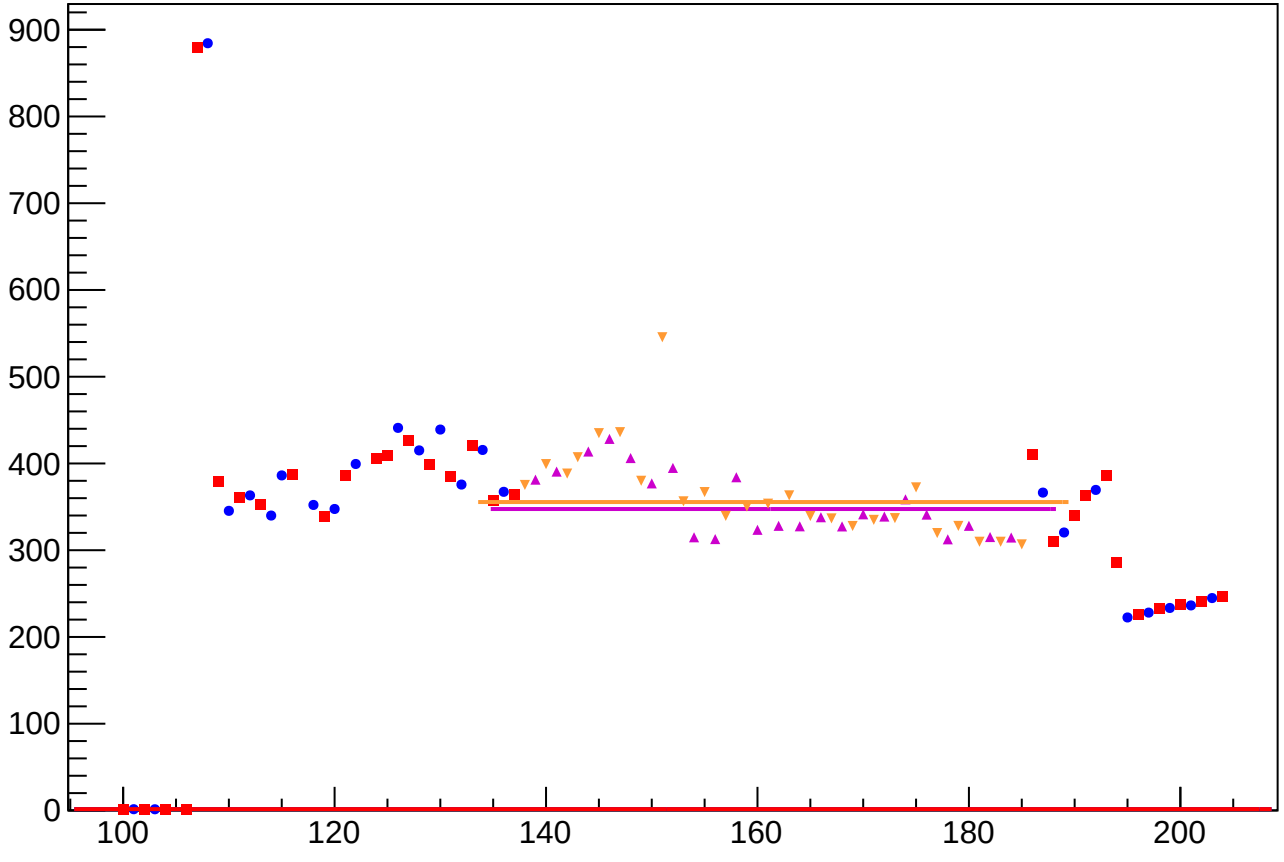
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.386+/-1.660 χ^2/NDF: 45.1/48

All: 0.050+/-1.124 χ^2/NDF: 87.4/101

- sign -1.082+/-1.527 χ^2/NDF: 41.1/52

asym_cav4dQ_rms vs Slug



Right In: 1.534+/-0.001 χ^2/NDF: 23569013.7/23

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.534+/-0.001 χ^2/NDF: 26847645.4/29

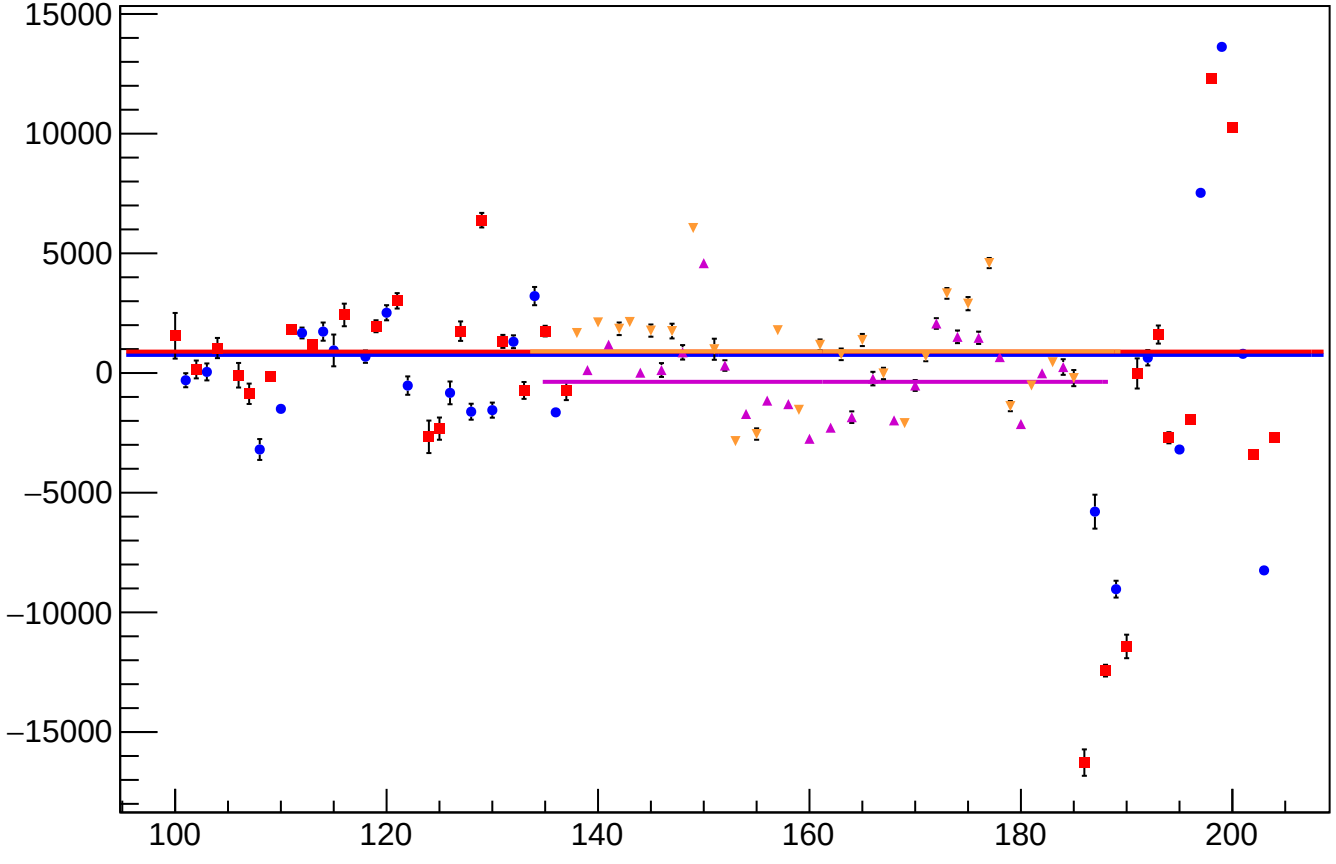
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.680+/-0.001 χ^2/NDF: 61764716.5/48

All: 1.666+/-0.001 χ^2/NDF: 124446998.9/101

- sign 1.654+/-0.001 χ^2/NDF: 62682004.4/52

asym_bcm0l02_mean vs Slug



Right In: 757.218+/-53.076 χ^2/NDF: 11262.6/23

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 894.774+/-49.268 χ^2/NDF: 13318.5/29

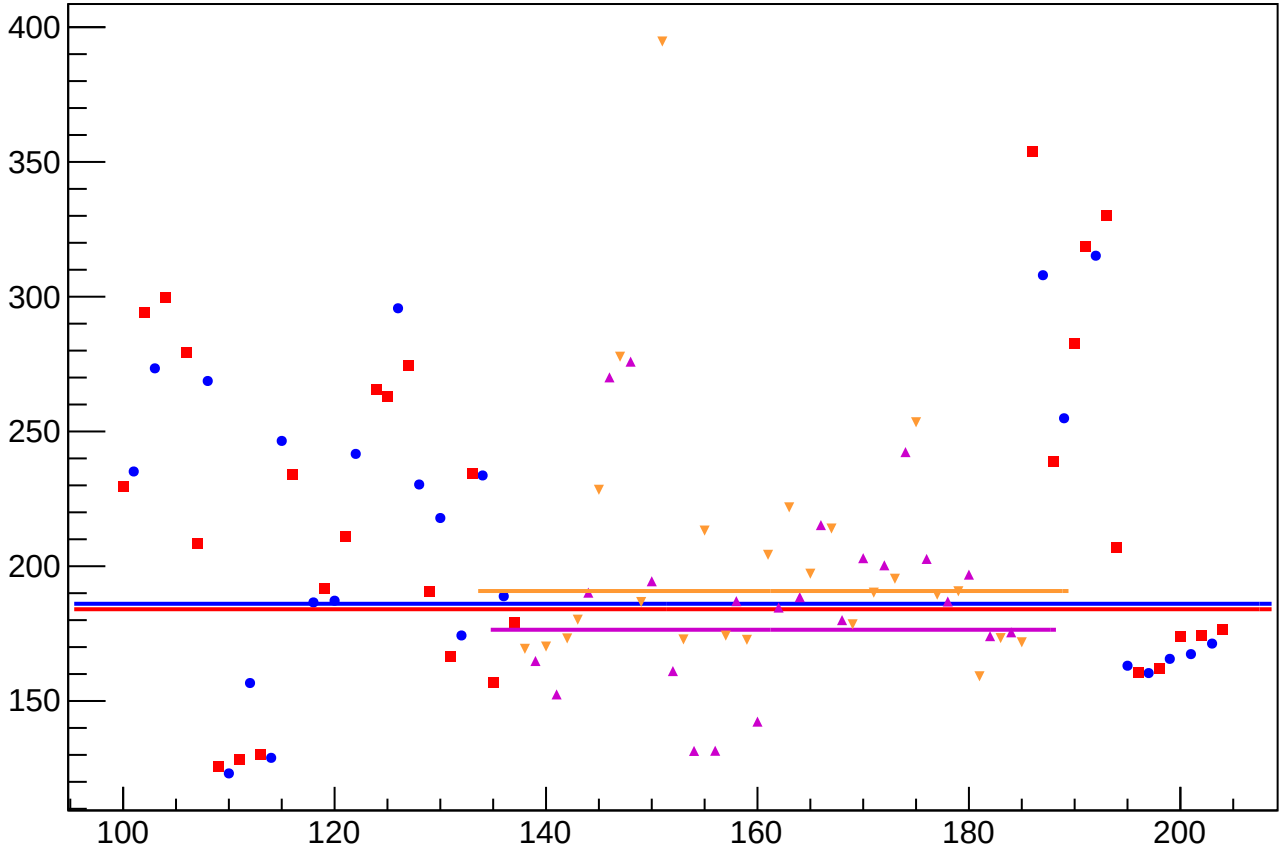
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 841.959+/-34.092 χ^2/NDF: 13677.9/48

All: 489.370+/-23.435 χ^2/NDF: 29167.5/101

- sign 173.511+/-32.267 χ^2/NDF: 15286.8/52

asym_bcm0l02_rms vs Slug



Right In: 186.068+/-0.038 χ^2/NDF: 1373561.2/23

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 184.043+/-0.035 χ^2/NDF: 2105518.8/29

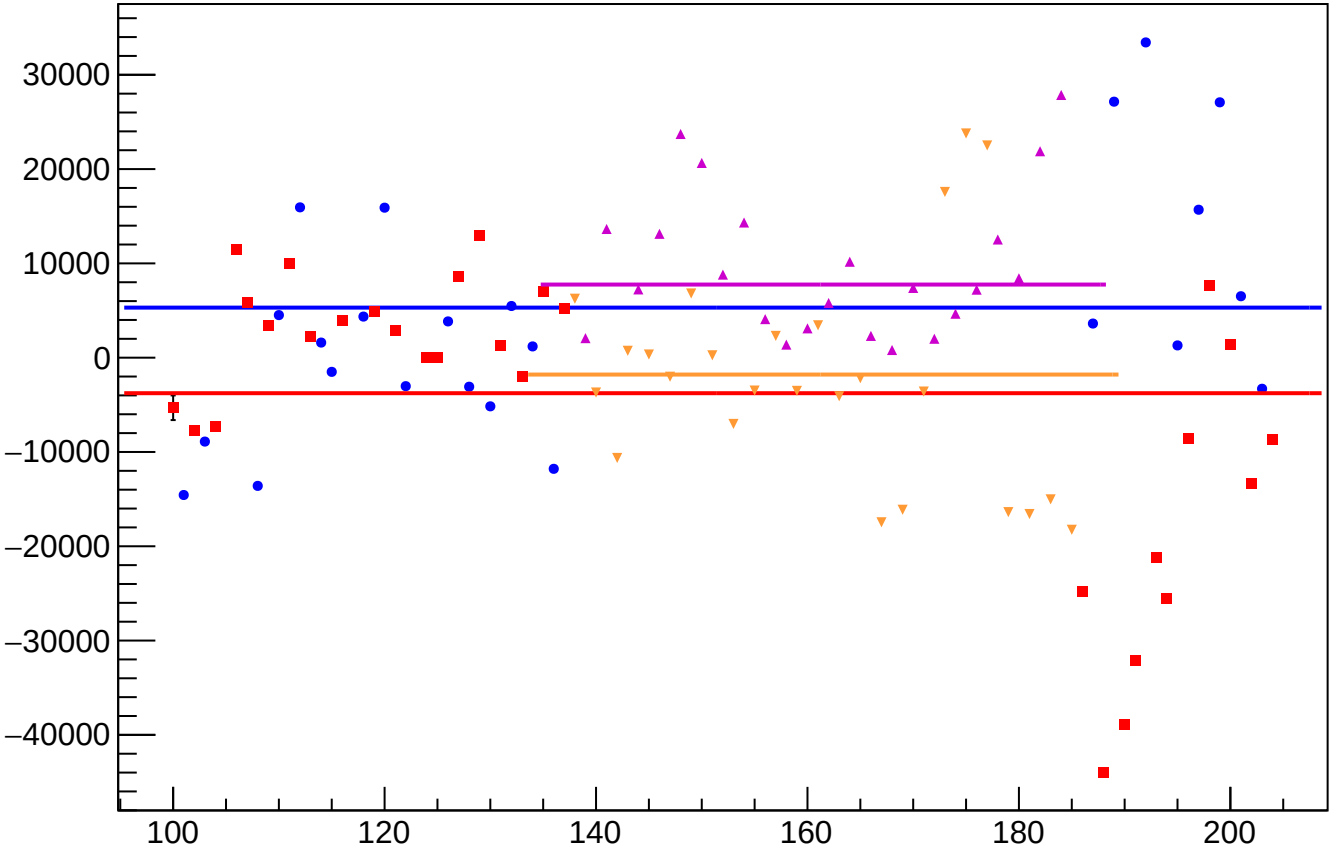
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 188.848+/-0.024 χ^2/NDF: 2402499.8/48

All: 184.021+/-0.017 χ^2/NDF: 5868969.4/101

- sign 179.696+/-0.023 χ^2/NDF: 3390437.6/52

asym_bpm0i02WS_mean vs Slug



Right In: 5309.244+/-43.458 χ^2/NDF: 90036.9/23

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -3766.635+/-40.412 χ^2/NDF: 136201.2/29

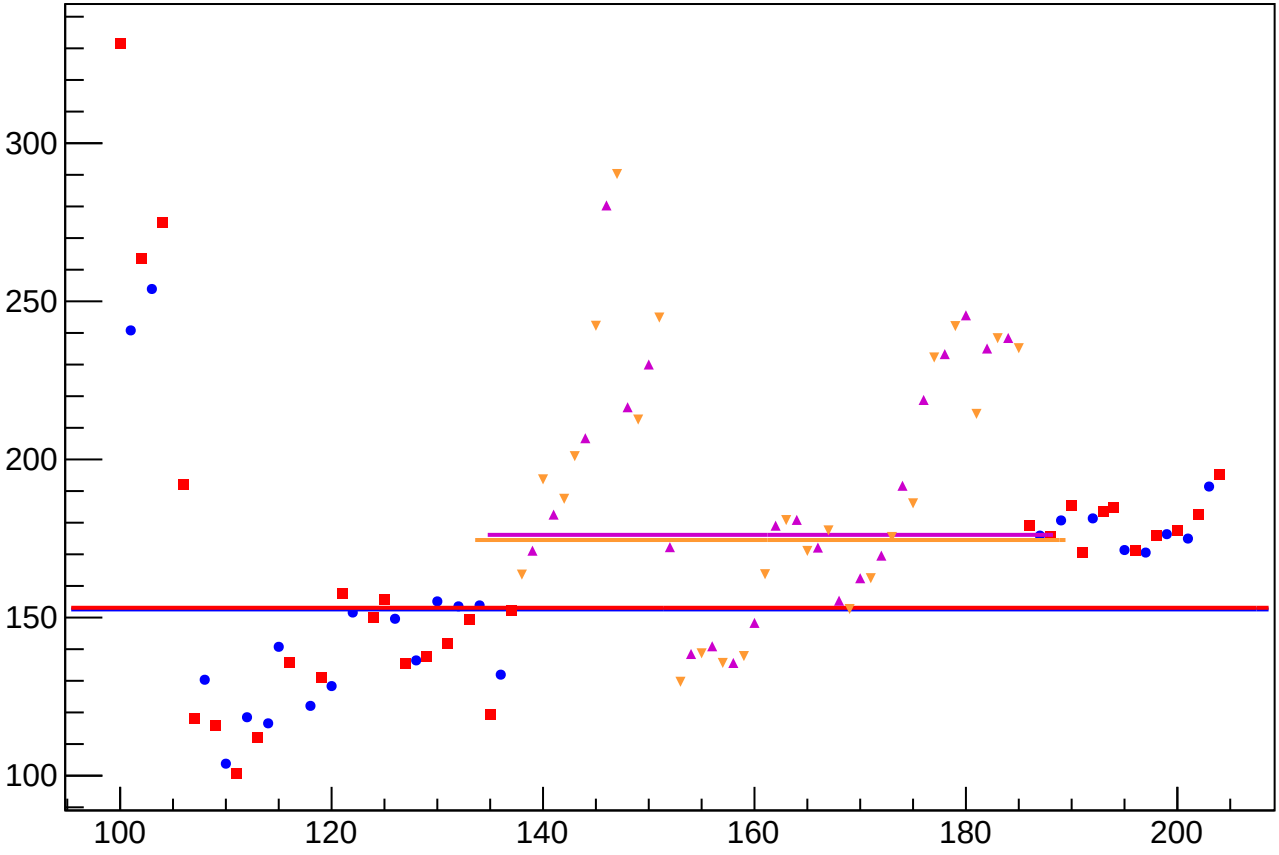
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 1545.234+/-29.788 χ^2/NDF: 169932.1/48

All: 1620.976+/-20.892 χ^2/NDF: 367949.5/10

- sign 1694.303+/-29.309 χ^2/NDF: 198004.7/52

asym_bpm0i02WS_rms vs Slug



Right In: 152.572+/-0.031 χ^2/NDF: 1040087.1/23

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 153.095+/-0.029 χ^2/NDF: 1500984.3/29

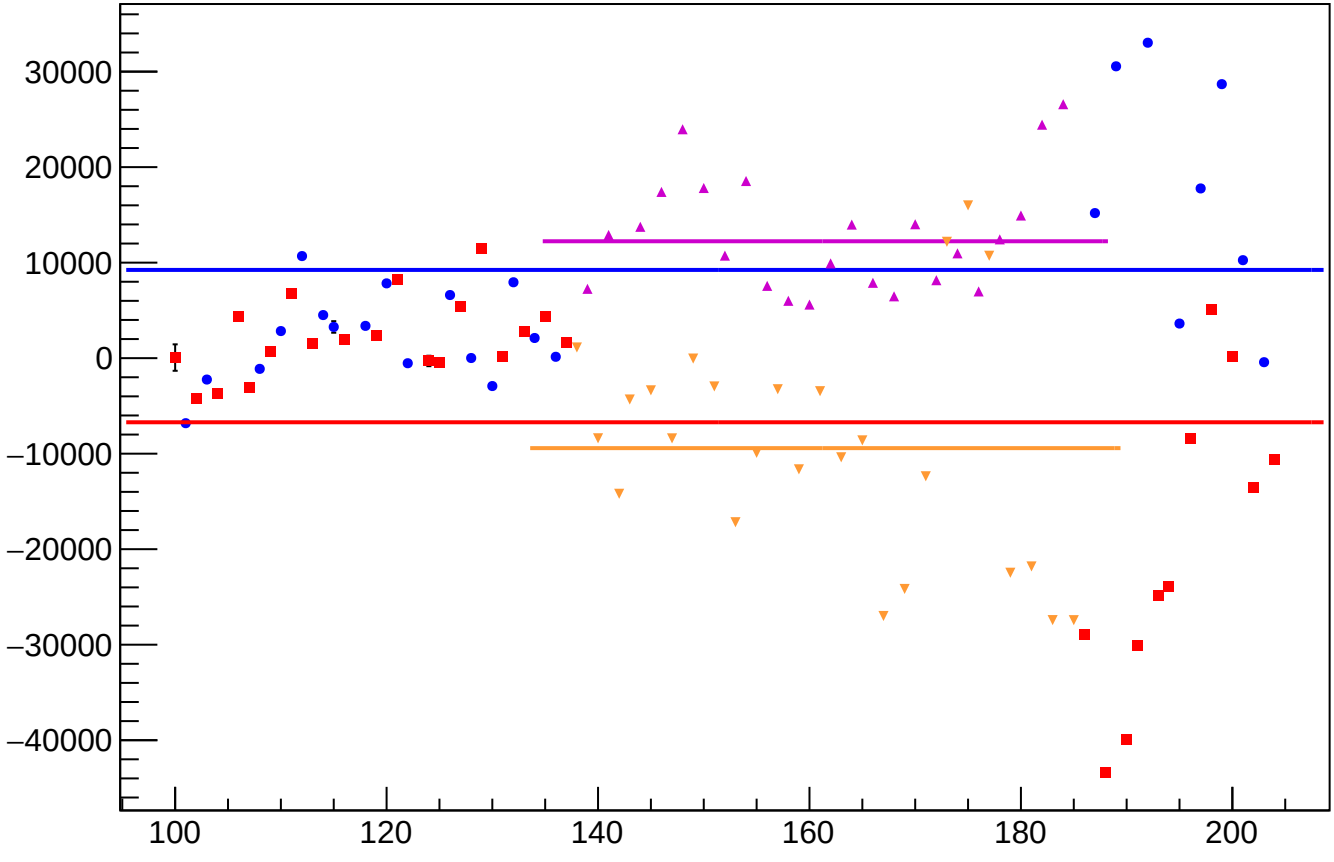
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 164.209+/-0.021 χ^2/NDF: 2970016.1/48

All: 164.116+/-0.015 χ^2/NDF: 6146754.2/101

- sign 164.025+/-0.021 χ^2/NDF: 3176699.5/52

asym_bpm0i02aWS_mean vs Slug



Right In: 9238.247+/-49.805 χ^2/NDF: 50909.6/23

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -6712.746+/-45.630 χ^2/NDF: 105331.2/29

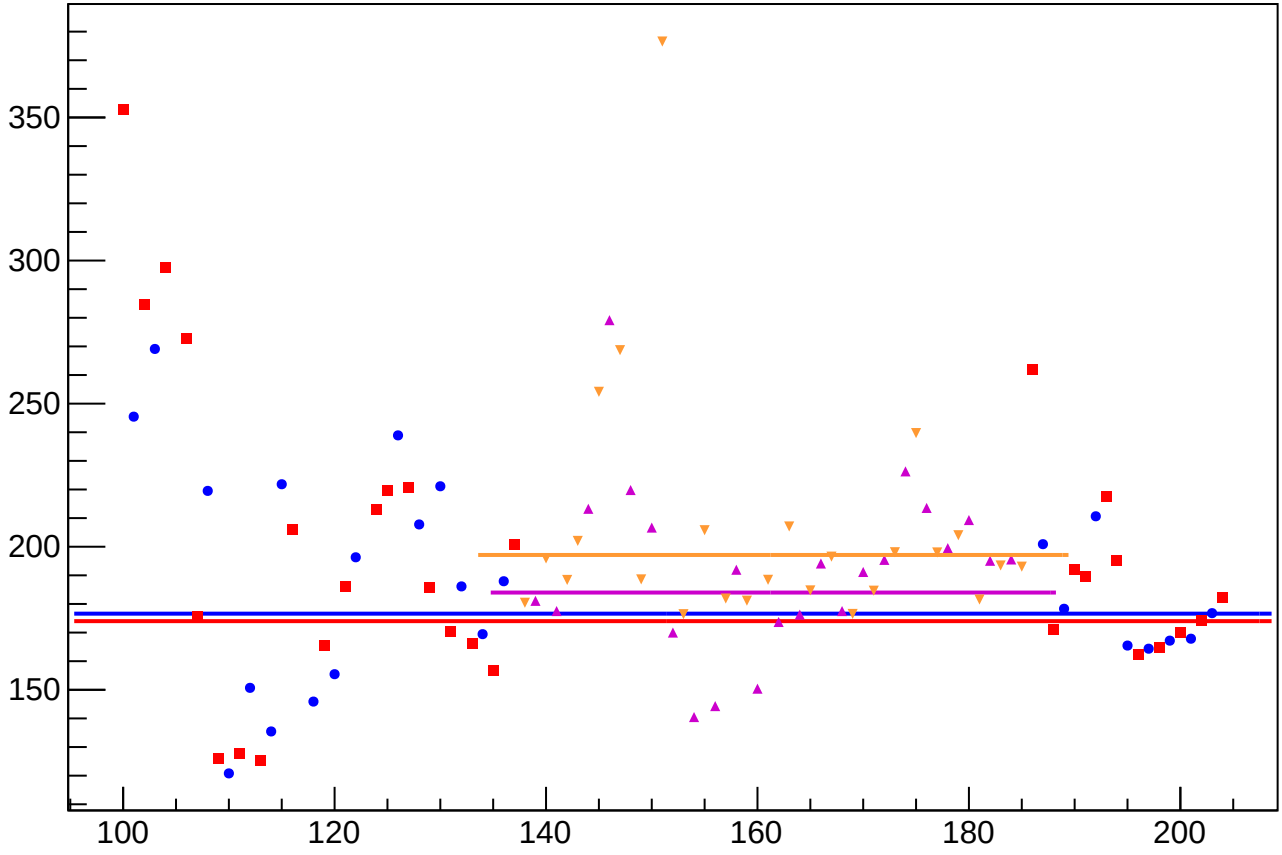
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -891.938+/-33.672 χ^2/NDF: 191826.3/48

All: 1203.309+/-23.099 χ^2/NDF: 409490.0/10

- sign 3065.723+/-31.746 χ^2/NDF: 210349.9/52

asym_bpm0i02aWS_rms vs Slug



Right In: 176.611+/-0.035 χ^2/NDF: 759490.5/23

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.993+/-0.032 χ^2/NDF: 1197146.7/29

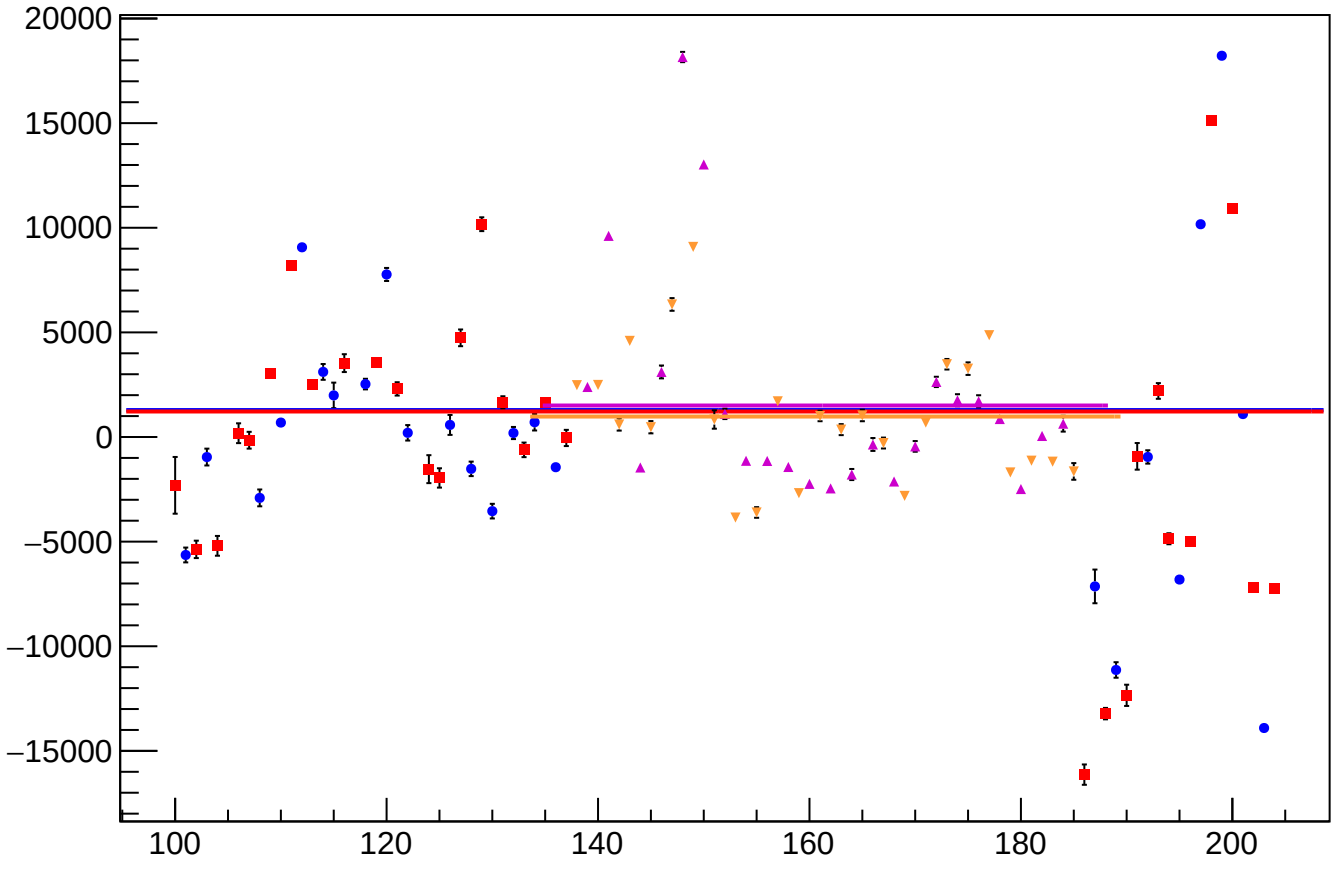
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 187.747+/-0.024 χ^2/NDF: 1676182.0/48

All: 183.195+/-0.016 χ^2/NDF: 3821634.3/101

- sign 179.149+/-0.022 χ^2/NDF: 2076409.3/52

asym_bpm0i05WS_mean vs Slug



Right In: 1288.463+/-56.136 χ^2/NDF: 20335.8/23

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1219.489+/-51.665 χ^2/NDF: 19713.1/29

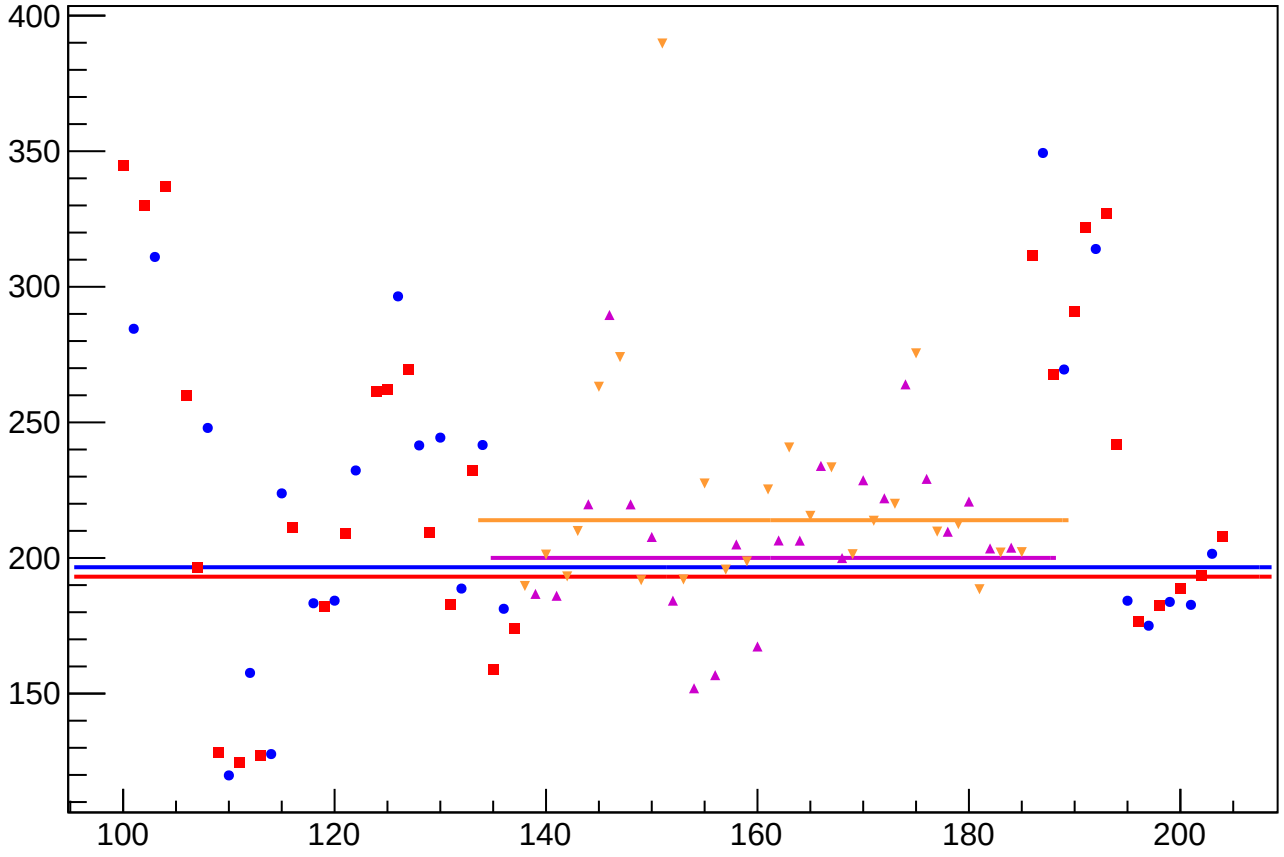
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 1114.375+/-37.172 χ^2/NDF: 24675.8/48

All: 1250.589+/-25.553 χ^2/NDF: 55911.4/101

- sign 1372.631+/-35.186 χ^2/NDF: 31210.1/52

asym_bpm0i05WS_rms vs Slug



Right In: 196.592+/-0.040 χ^2/NDF: 1440137.9/23

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.106+/-0.037 χ^2/NDF: 2243149.1/29

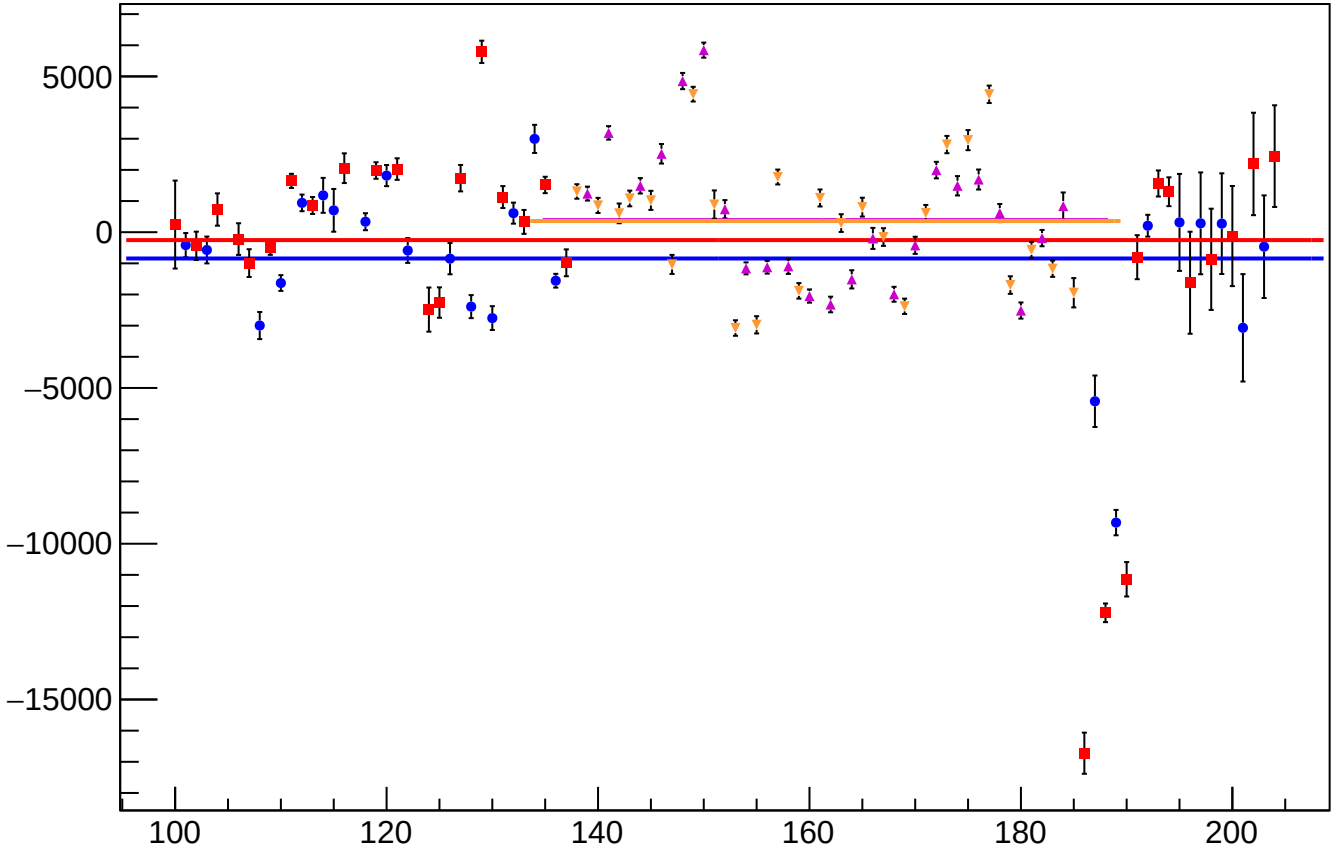
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.328+/-0.026 χ^2/NDF: 2280917.5/48

All: 201.313+/-0.018 χ^2/NDF: 5397891.2/101

- sign 196.819+/-0.025 χ^2/NDF: 3047940.2/52

asym_bpm0i07WS_mean vs Slug



Right In: -843.965+/-81.486 χ^2/NDF: 799.5/23

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -253.715+/-73.797 χ^2/NDF: 3273.9/29

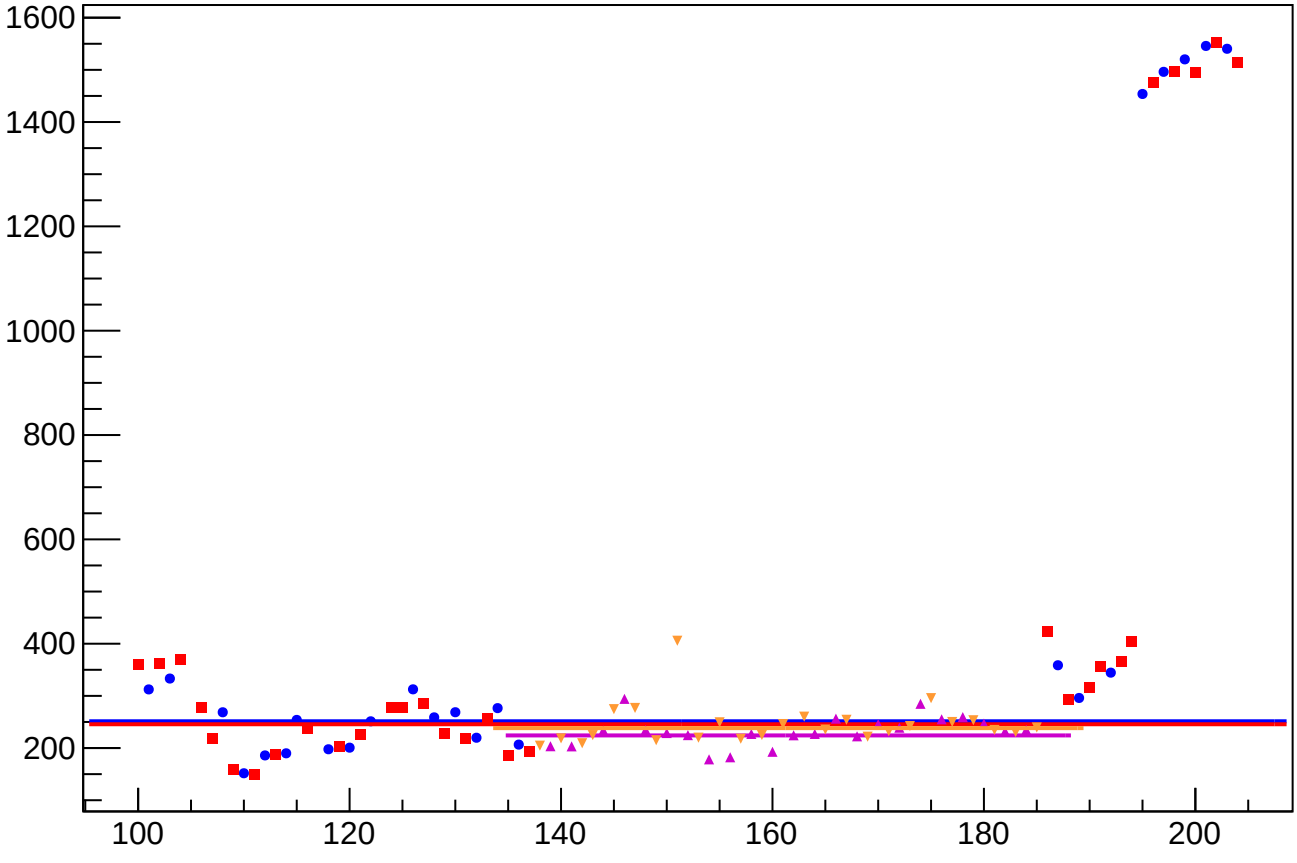
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

\+ sign -17.652+/-45.583 χ^2/NDF: 2368.0/48

All: 78.866+/-31.405 χ^2/NDF: 7504.0/101

\- sign 166.079+/-43.330 χ^2/NDF: 5127.4/52

asym_bpm0i07WS_rms vs Slug



Right In: 251.328+/-0.058 χ^2/NDF: 6981863.3/23

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 245.632+/-0.052 χ^2/NDF: 7960482.4/29

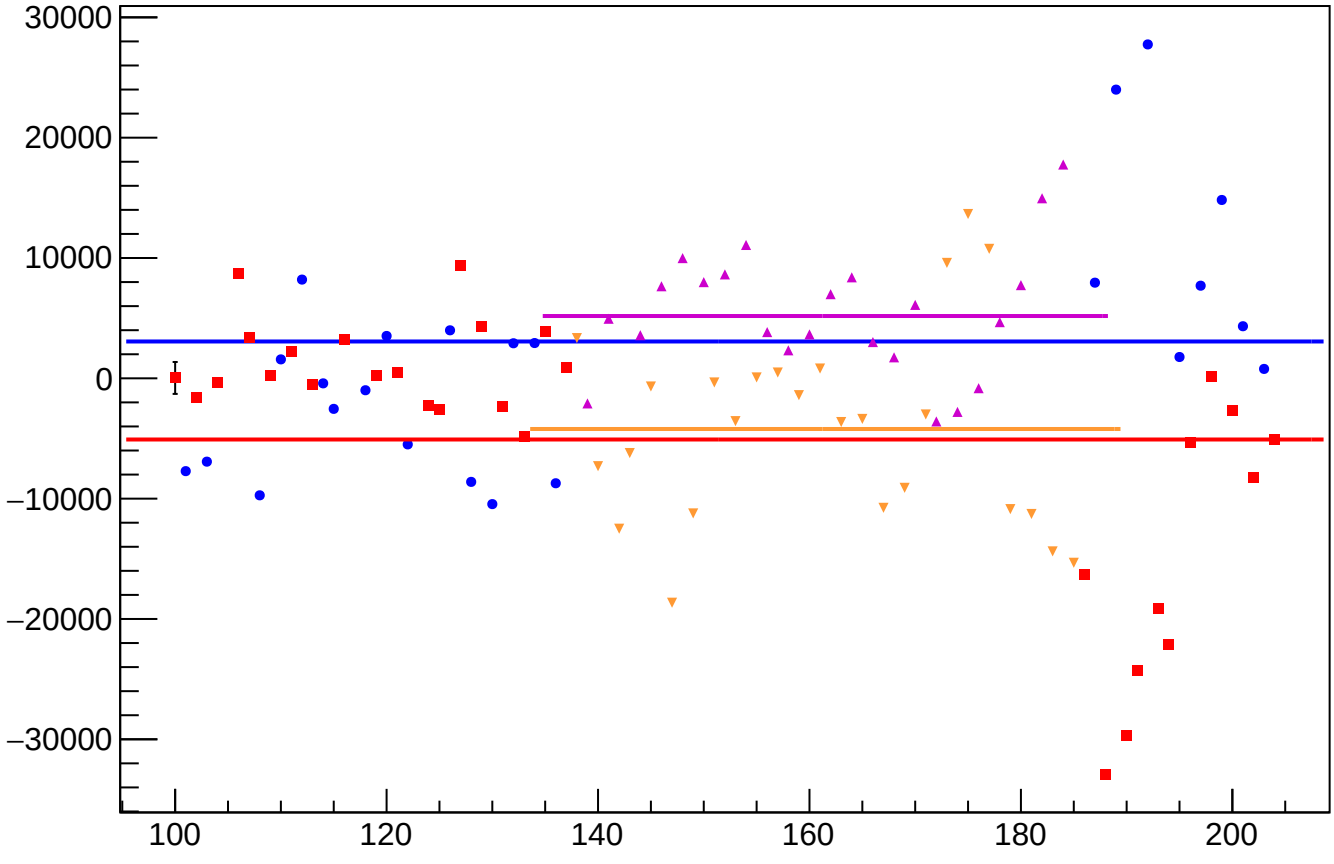
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 242.308+/-0.032 χ^2/NDF: 7585472.3/48

All: 236.681+/-0.022 χ^2/NDF: 16277610.4/10

- sign 231.596+/-0.031 χ^2/NDF: 8634125.2/52

asym_bpm1i02WS_mean vs Slug



Right In: 3062.327+/-36.883 χ^2/NDF: 75849.4/23

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5083.887+/-34.063 χ^2/NDF: 102886.4/29

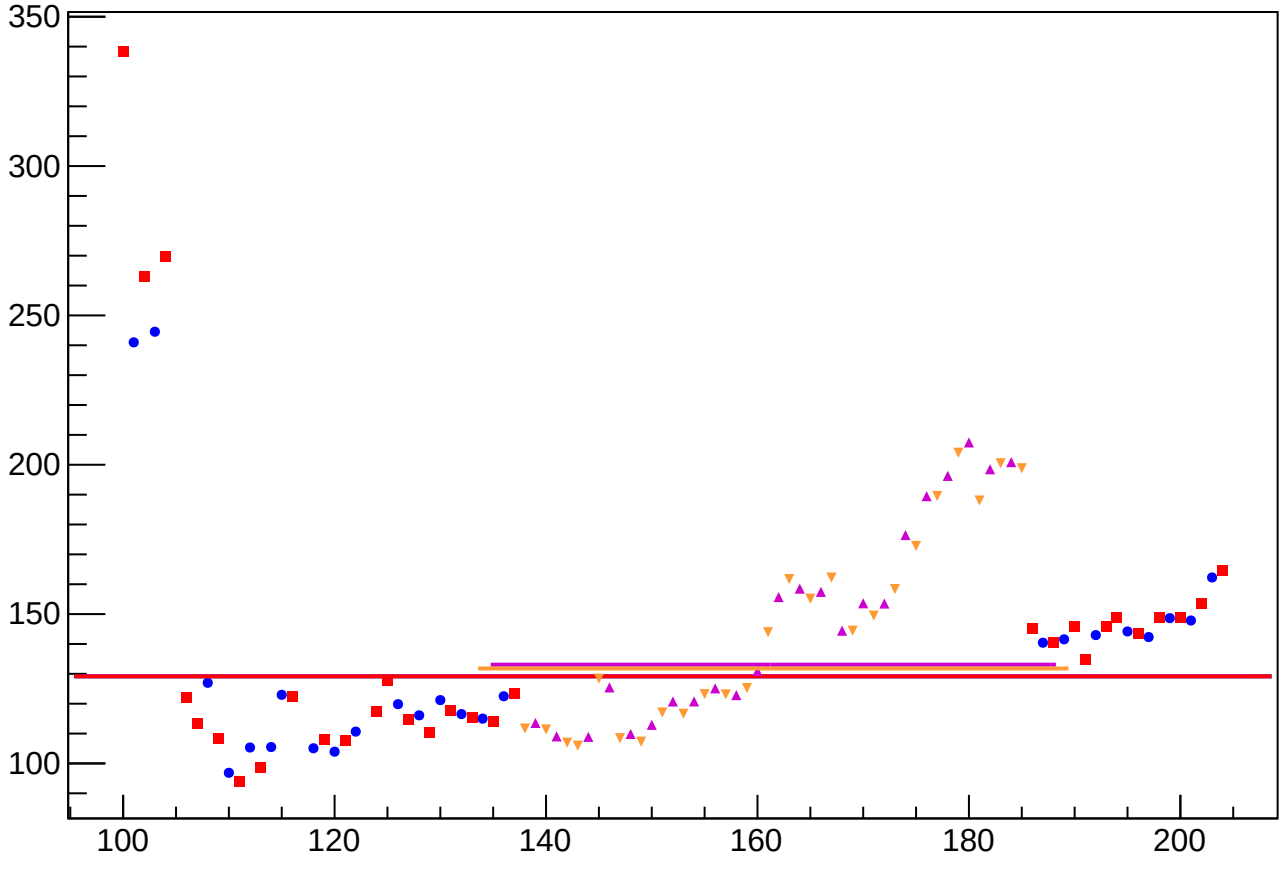
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1219.346+/-23.654 χ^2/NDF: 155543.0/48

All: -411.952+/-16.603 χ^2/NDF: 327523.8/10

- sign 372.188+/-23.311 χ^2/NDF: 169684.1/52

asym_bpm1i02WS_rms vs Slug



Right In: 129.161+/-0.026 χ^2/NDF: 1027670.8/23

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 129.166+/-0.024 χ^2/NDF: 1330943.5/29

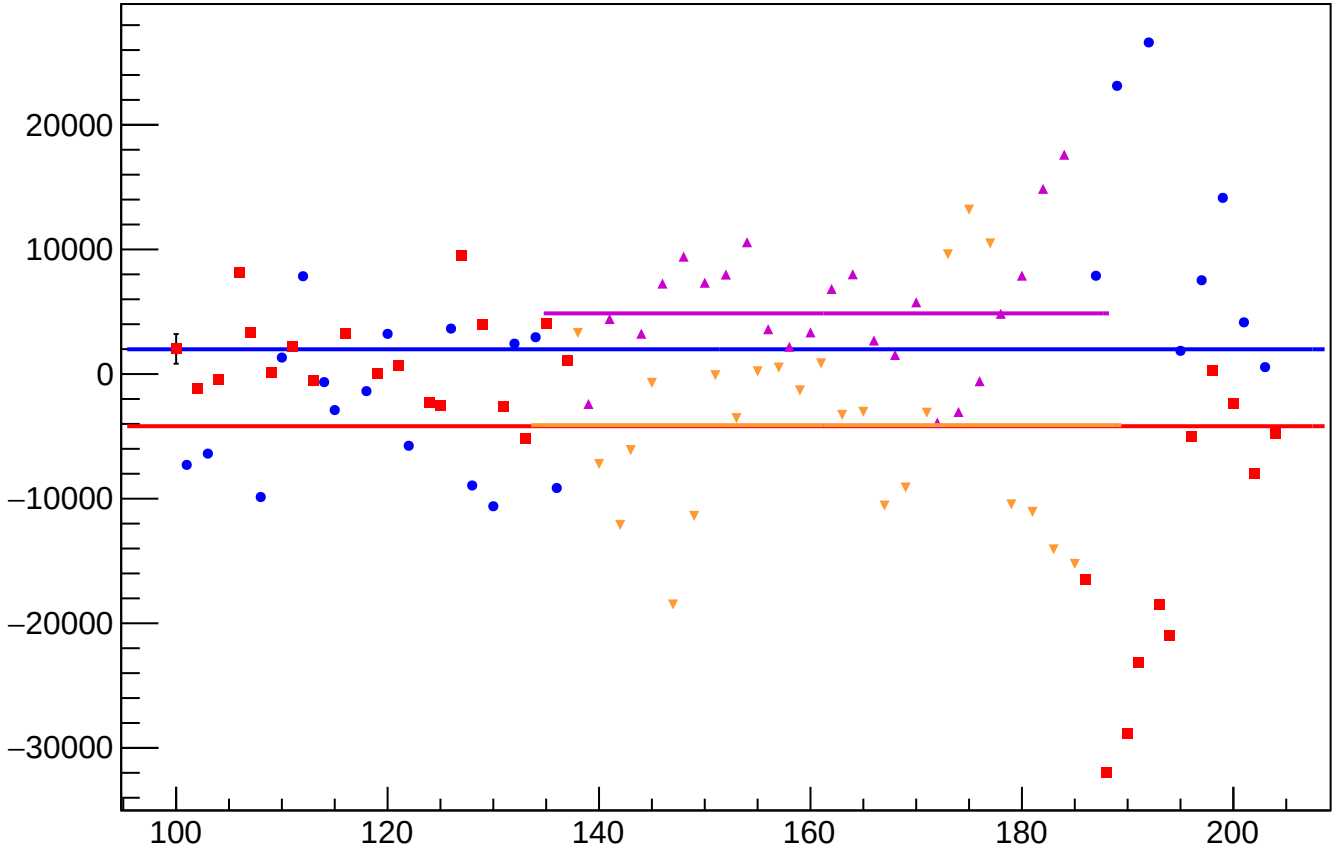
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 130.713+/-0.017 χ^2/NDF: 2578028.9/48

All: 130.979+/-0.012 χ^2/NDF: 5341625.7/101

- sign 131.237+/-0.016 χ^2/NDF: 2763098.7/52

asym_bpm2i01WS_mean vs Slug



Right In: 1988.216+/-33.556 χ^2/NDF: 82560.3/23

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4185.803+/-31.261 χ^2/NDF: 108597.7/29

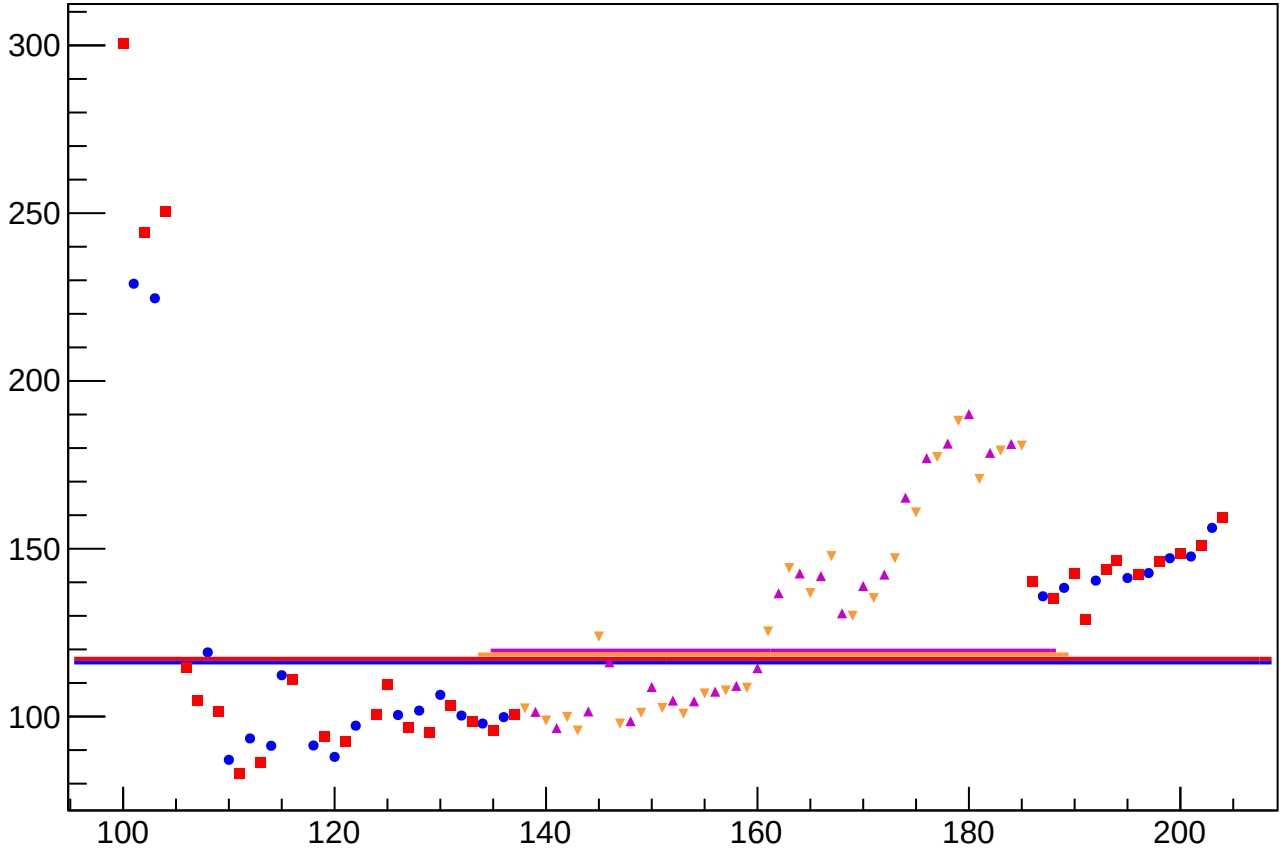
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -1624.404+/-21.395 χ^2/NDF: 168361.6/48

All: -445.205+/-15.054 χ^2/NDF: 350265.5/10

- sign 710.976+/-21.185 χ^2/NDF: 175887.5/52

asym_bpm2i01WS_rms vs Slug



Right In: 116.113+/-0.024 χ^2/NDF: 1518685.9/23

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 117.192+/-0.022 χ^2/NDF: 1879775.9/29

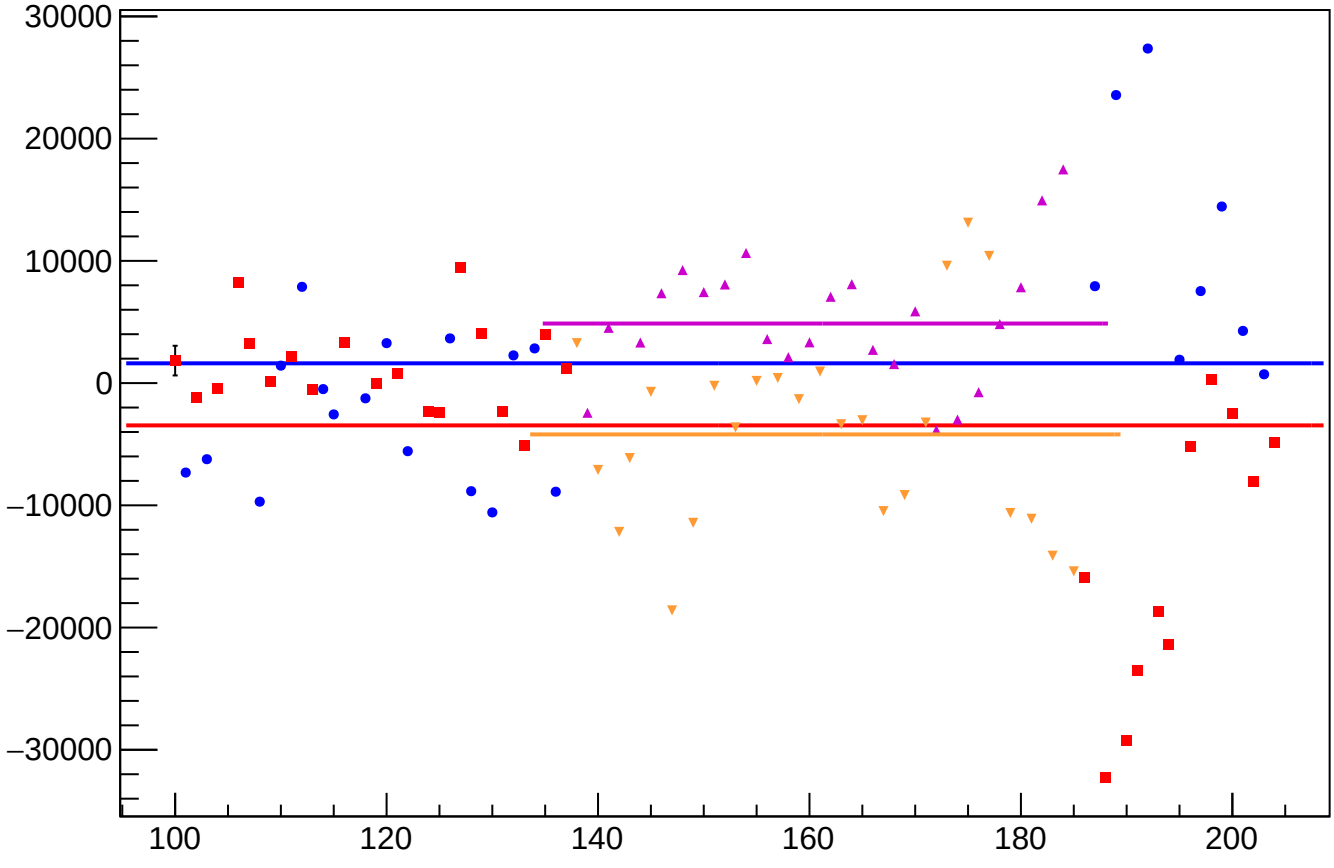
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 117.531+/-0.015 χ^2/NDF: 3151838.5/48

All: 118.029+/-0.011 χ^2/NDF: 6552806.7/101

- sign 118.518+/-0.015 χ^2/NDF: 3398816.9/52

asym_bpm2i02WS_mean vs Slug



Right In: 1618.423+/-32.911 χ^2/NDF: 81382.5/23

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -3459.797+/-30.789 χ^2/NDF: 101914.8/29

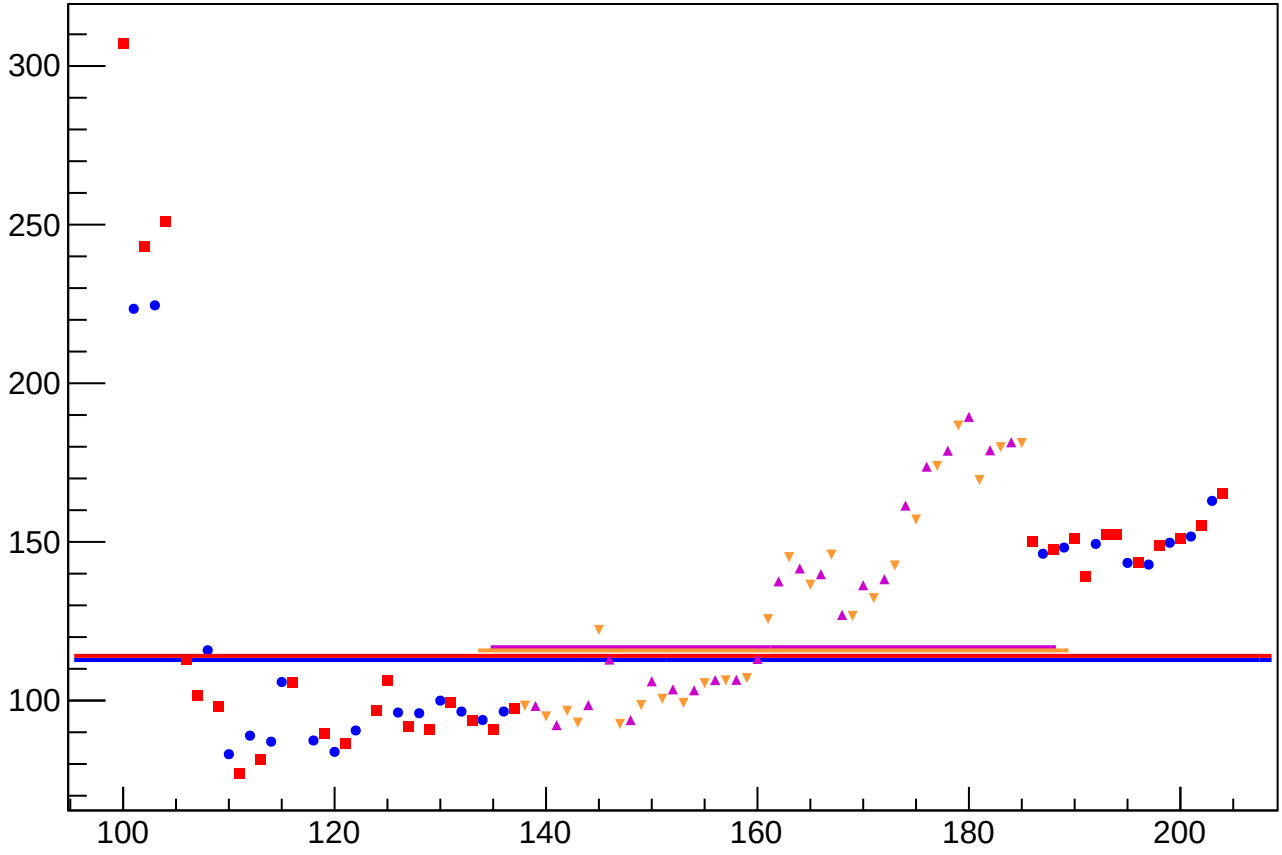
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -1836.036+/-20.971 χ^2/NDF: 170346.0/48

All: -369.993+/-14.766 χ^2/NDF: 344710.6/10

- sign 1071.598+/-20.796 χ^2/NDF: 164672.0/52

asym_bpm2i02WS_rms vs Slug



Right In: 112.783+/-0.023 χ^2/NDF: 1886493.5/23

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 114.083+/-0.022 χ^2/NDF: 2443882.8/29

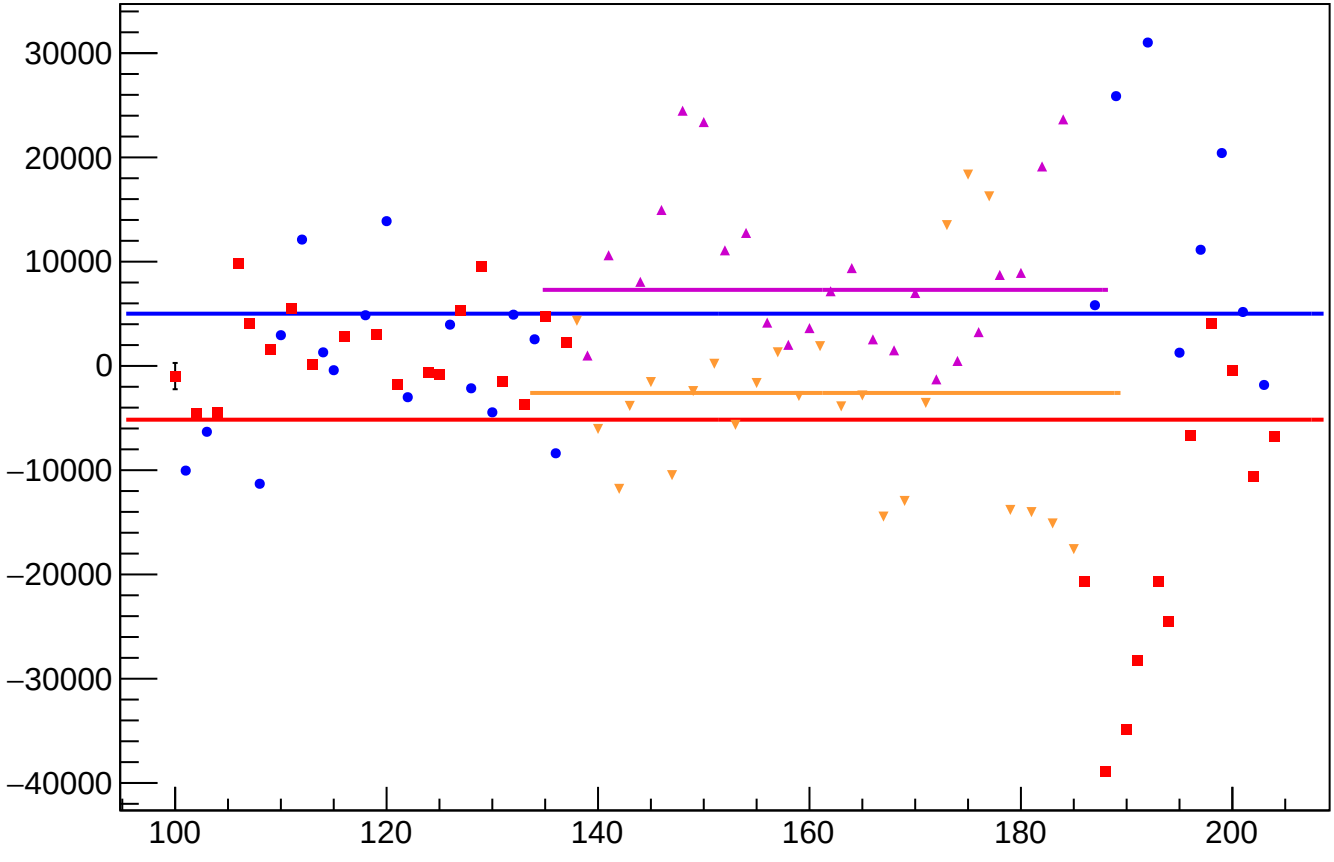
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 114.574+/-0.015 χ^2/NDF: 3645480.8/48

All: 115.074+/-0.010 χ^2/NDF: 7717786.1/101

- sign 115.565+/-0.015 χ^2/NDF: 4070053.8/52

asym_bpm0i01WS_mean vs Slug



Right In: 5011.693+/-44.101 χ^2/NDF: 62455.9/23

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -5156.230+/-41.219 χ^2/NDF: 96981.6/29

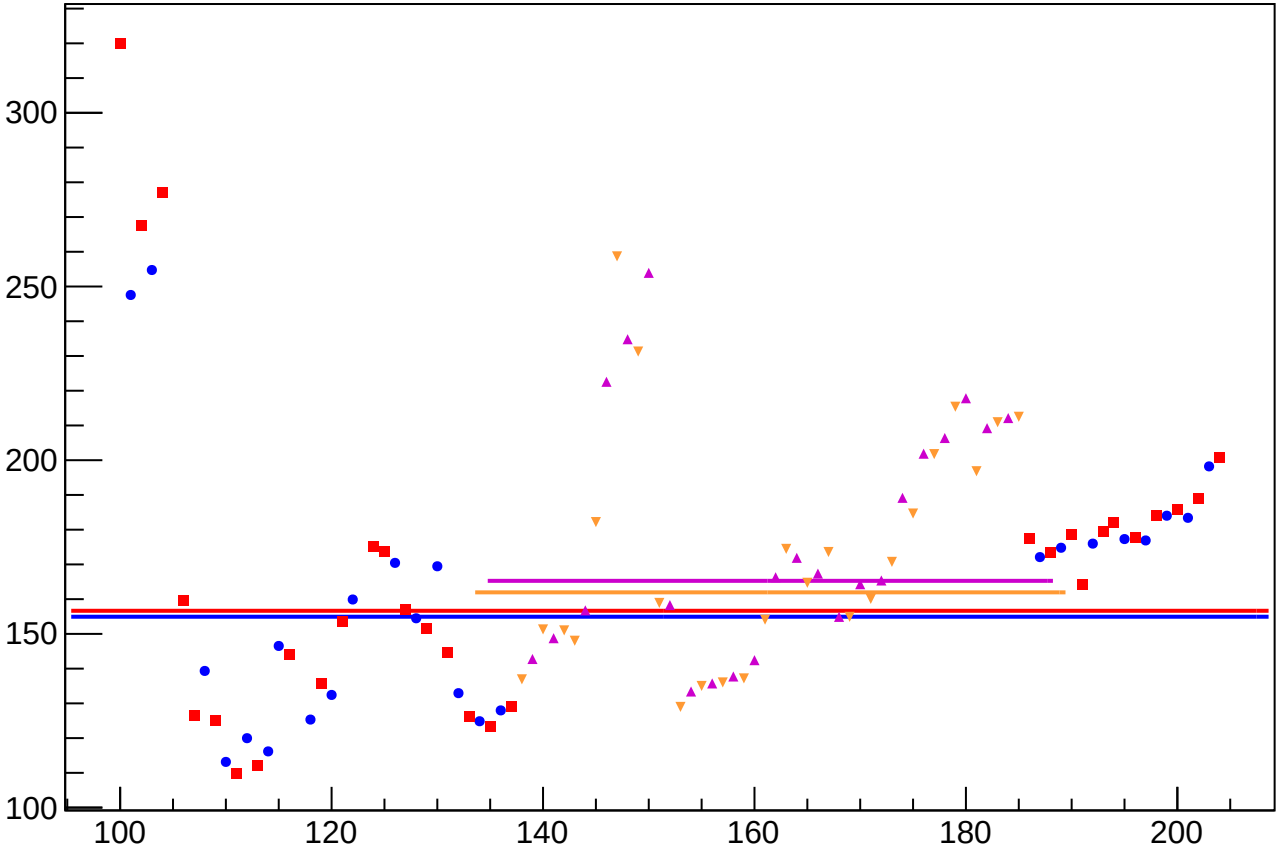
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign 613.262+/-28.631 χ^2/NDF: 127645.3/48

All: 969.230+/-20.216 χ^2/NDF: 297167.8/101

- sign 1323.113+/-28.547 χ^2/NDF: 169214.3/52

asym_bpm0i01WS_rms vs Slug



Right In: 154.942+/-0.031 χ^2/NDF: 1075554.8/23

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 156.653+/-0.029 χ^2/NDF: 1352169.6/29

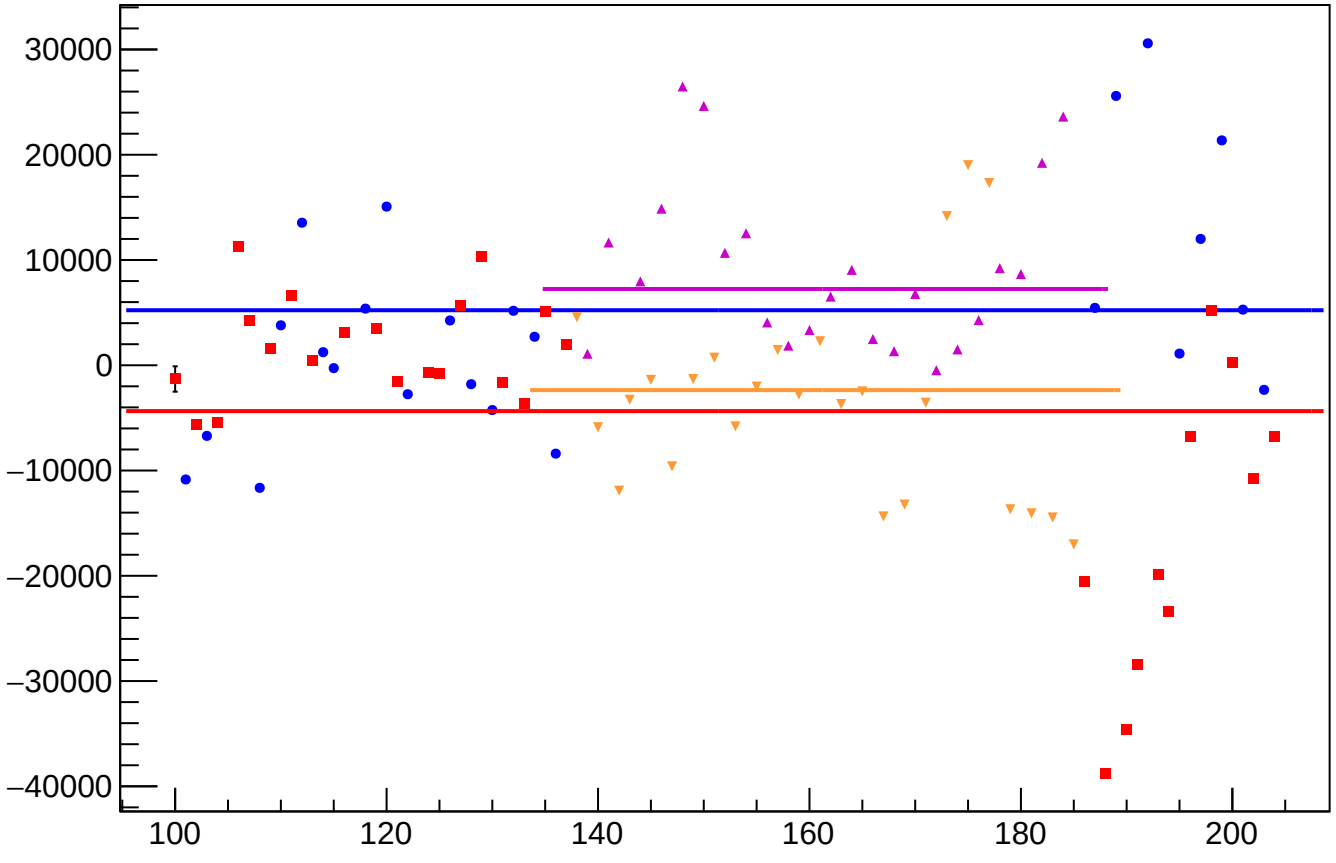
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 159.000+/-0.020 χ^2/NDF: 2249638.5/48

All: 160.072+/-0.014 χ^2/NDF: 4831998.1/101

- sign 161.138+/-0.020 χ^2/NDF: 2576768.2/52

asym_bpm0i01aWS_mean vs Slug



Right In: 5228.243+/-37.366 χ^2/NDF: 87361.6/23

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -4355.290+/-34.738 χ^2/NDF: 134612.9/29

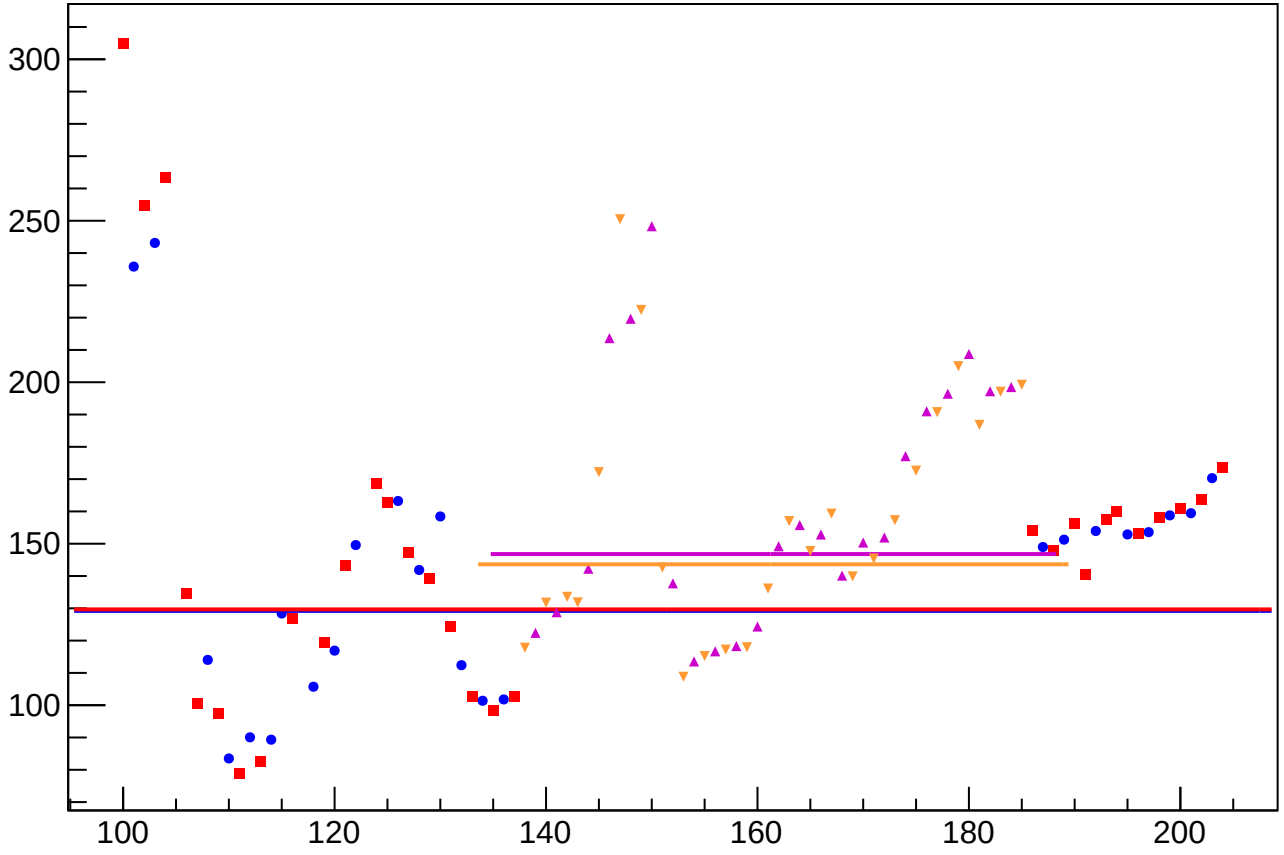
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign 1041.074+/-25.017 χ^2/NDF: 168686.7/48

All: 1180.447+/-17.624 χ^2/NDF: 388342.6/10

- sign 1317.750+/-24.831 χ^2/NDF: 219594.3/52

asym_bpm0i01aWS_rms vs Slug



Right In: 129.206+/-0.026 χ^2/NDF: 1685564.1/23

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 129.663+/-0.025 χ^2/NDF: 2171379.4/29

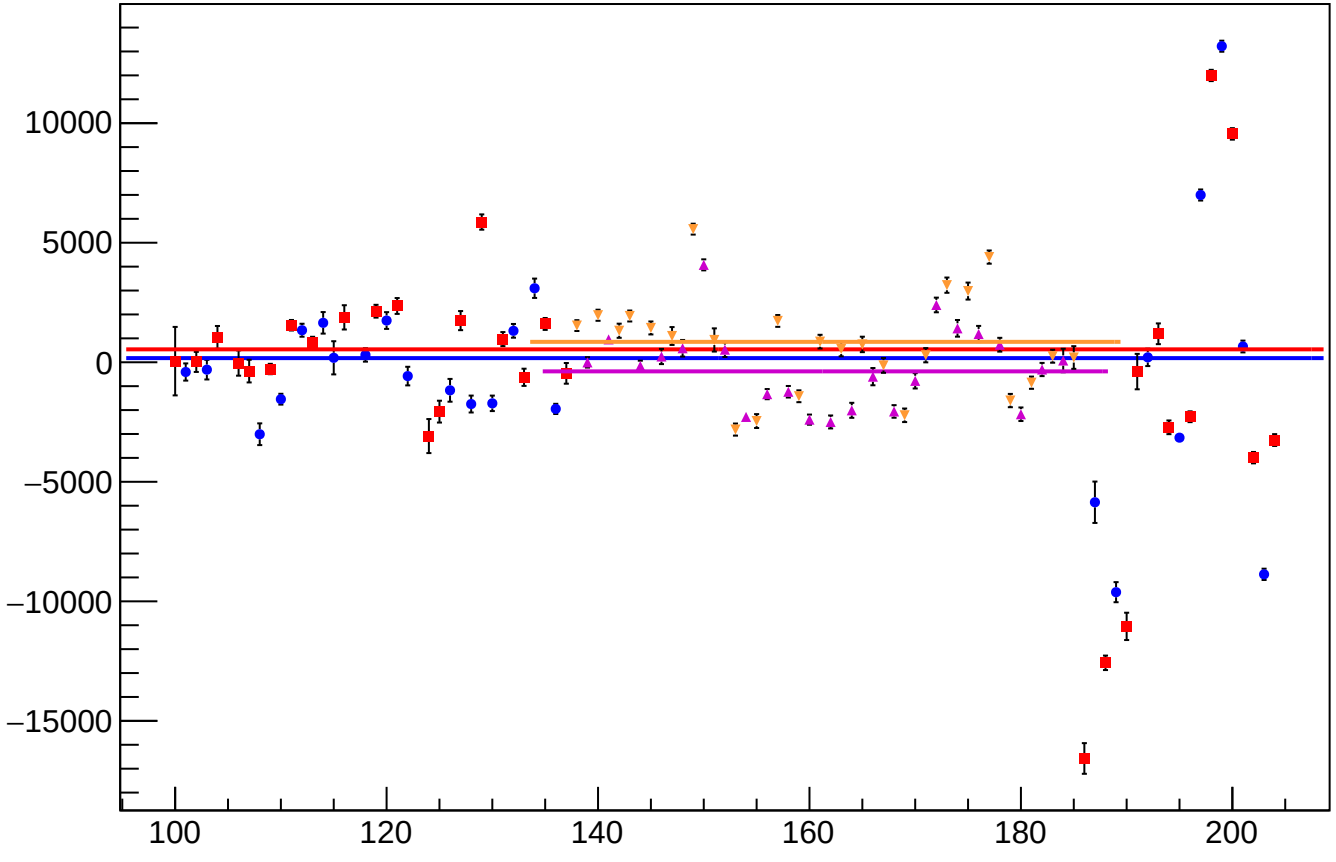
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 137.160+/-0.018 χ^2/NDF: 3512645.3/48

All: 137.604+/-0.012 χ^2/NDF: 7617635.5/101

- sign 138.041+/-0.018 χ^2/NDF: 4103741.1/52

asym_bpm0l01WS_mean vs Slug



Right In: 173.345+/-62.365 χ^2/NDF: 6763.5/23

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 540.316+/-58.154 χ^2/NDF: 8148.4/29

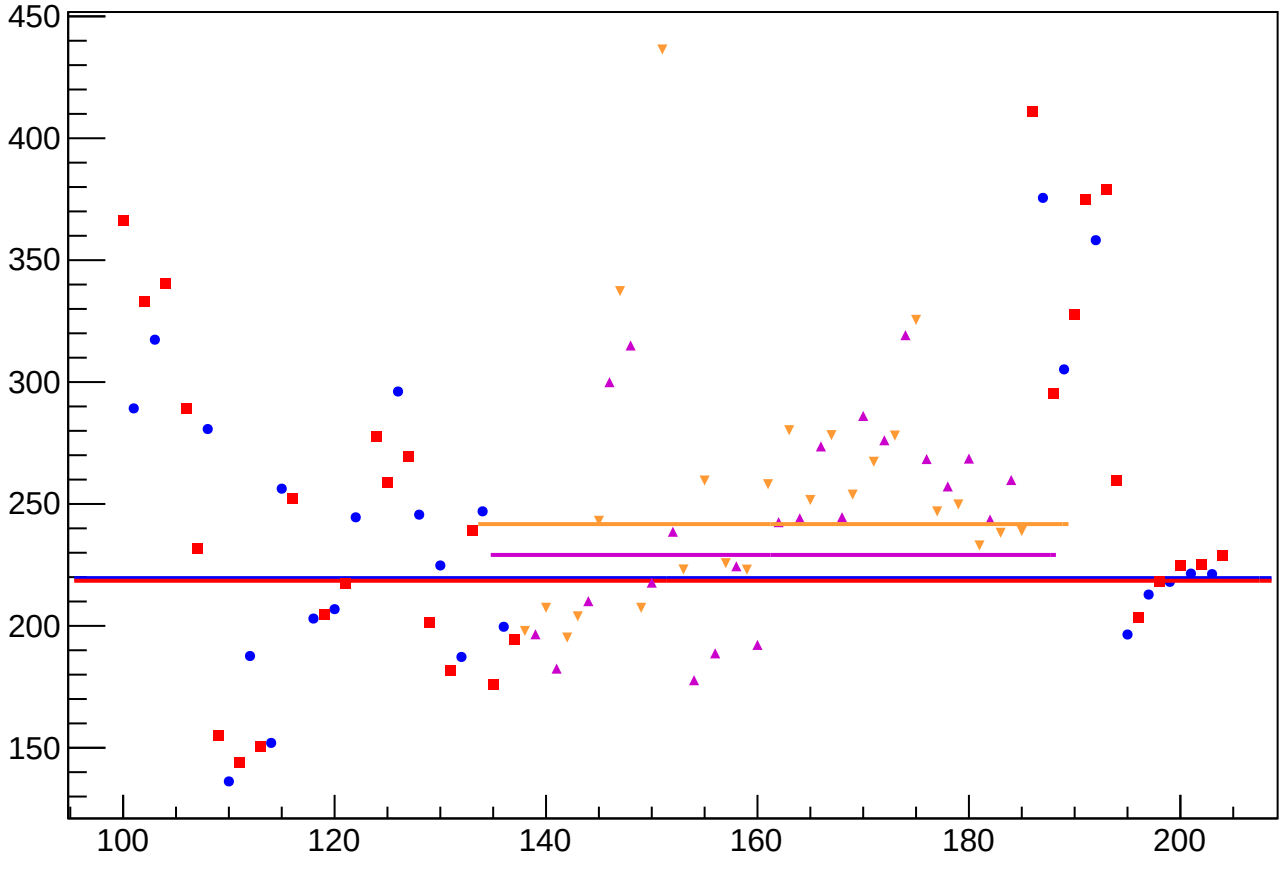
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 548.706+/-41.764 χ^2/NDF: 8273.0/48

All: 291.376+/-28.892 χ^2/NDF: 17608.8/101

- sign 55.198+/-40.011 χ^2/NDF: 9263.0/52

asym_bpm0l01WS_rms vs Slug



Right In: 219.585+/-0.044 χ^2/NDF: 1171352.8/23

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 218.509+/-0.041 χ^2/NDF: 1908850.2/29

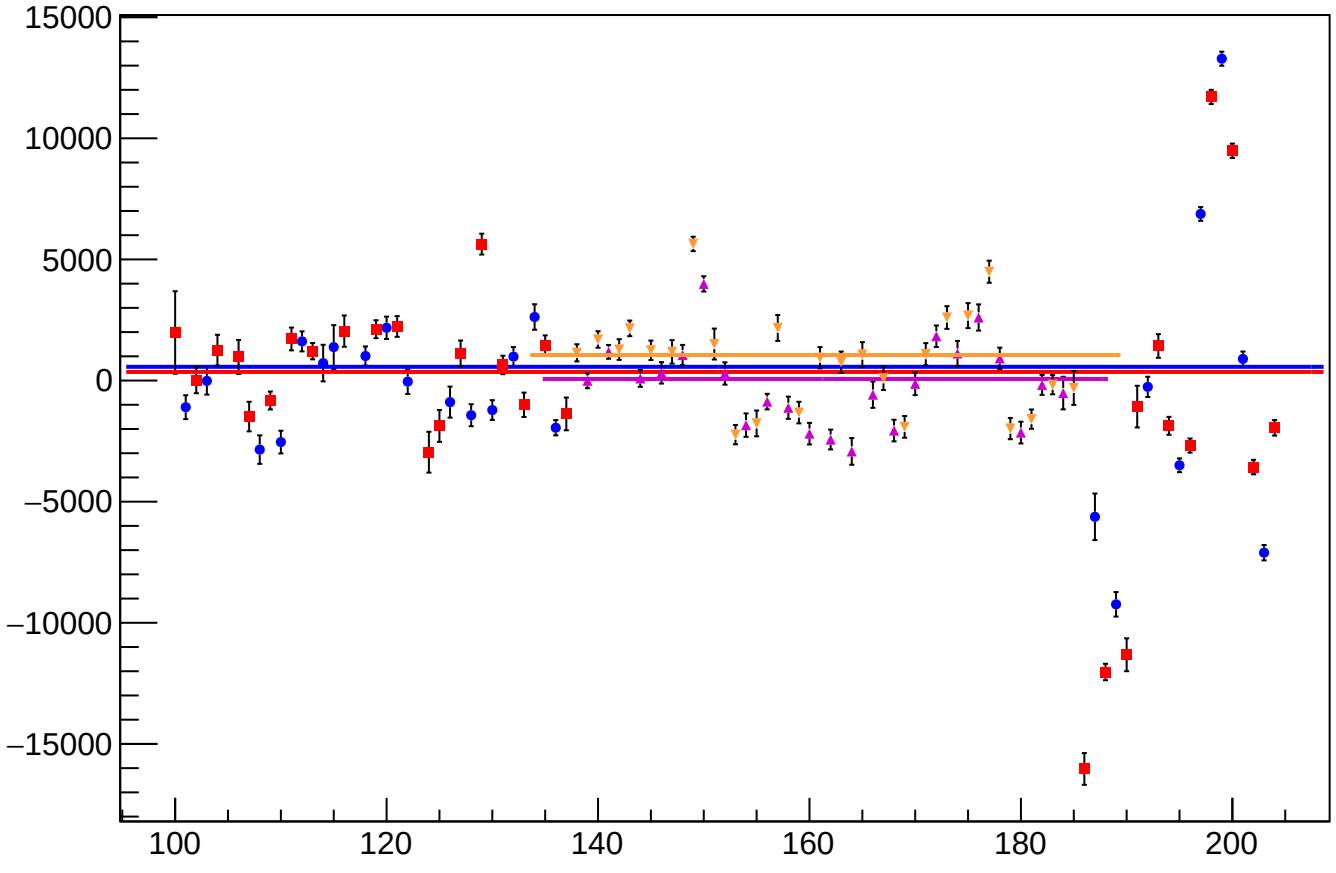
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 231.808+/-0.030 χ^2/NDF: 2297025.8/48

All: 227.782+/-0.020 χ^2/NDF: 5345418.0/101

- sign 224.088+/-0.028 χ^2/NDF: 3012766.4/52

asym_bpm0l02WS_mean vs Slug



Right In: 567.133+/-84.523 χ^2/NDF: 3856.7/23

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 355.650+/-79.094 χ^2/NDF: 5371.2/29

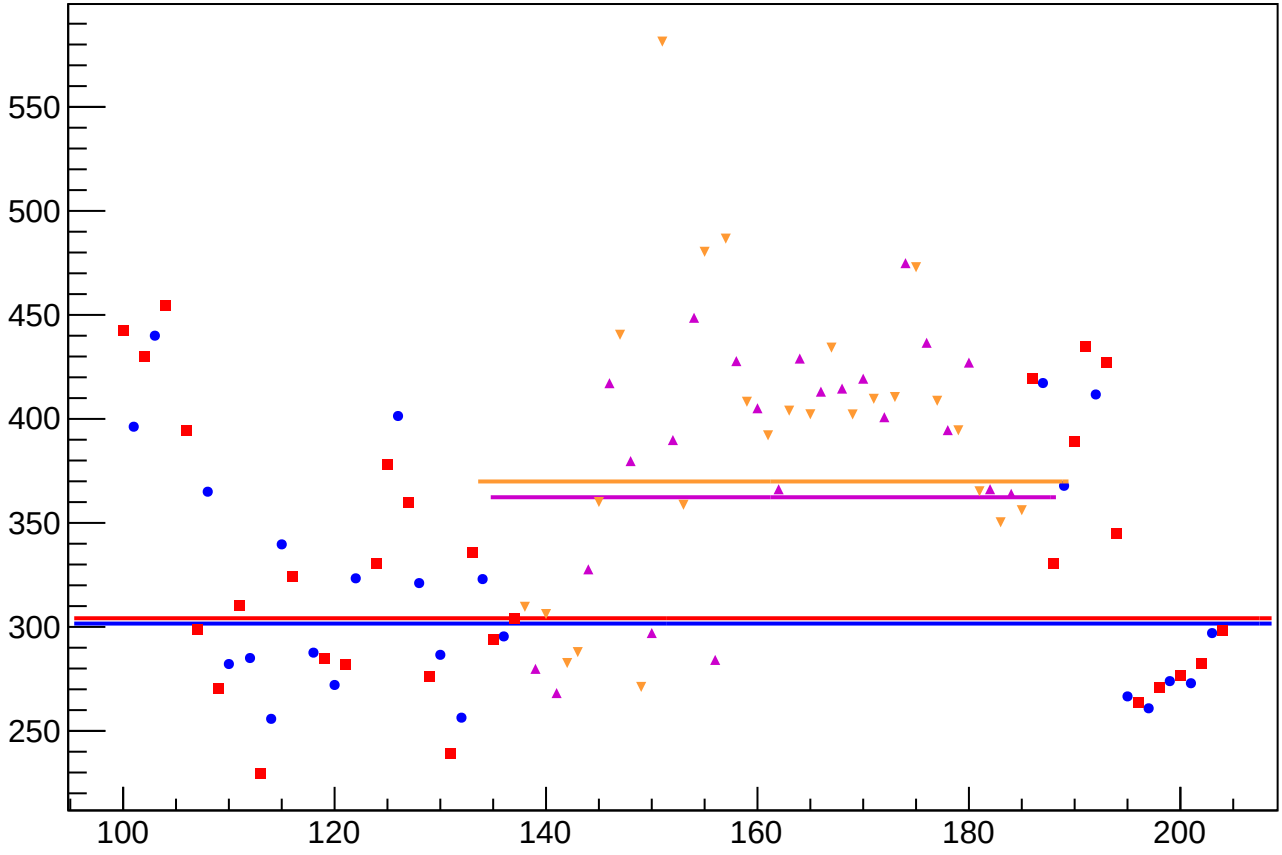
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

\+ sign 806.328+/-60.246 χ^2/NDF: 4487.6/48

All: 505.896+/-41.940 χ^2/NDF: 10307.6/101

\- sign 223.403+/-58.420 χ^2/NDF: 5771.7/52

asym_bpm0l02WS_rms vs Slug



Right In: 301.612+/-0.060 χ^2/NDF: 642904.2/23

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 304.166+/-0.056 χ^2/NDF: 916620.0/29

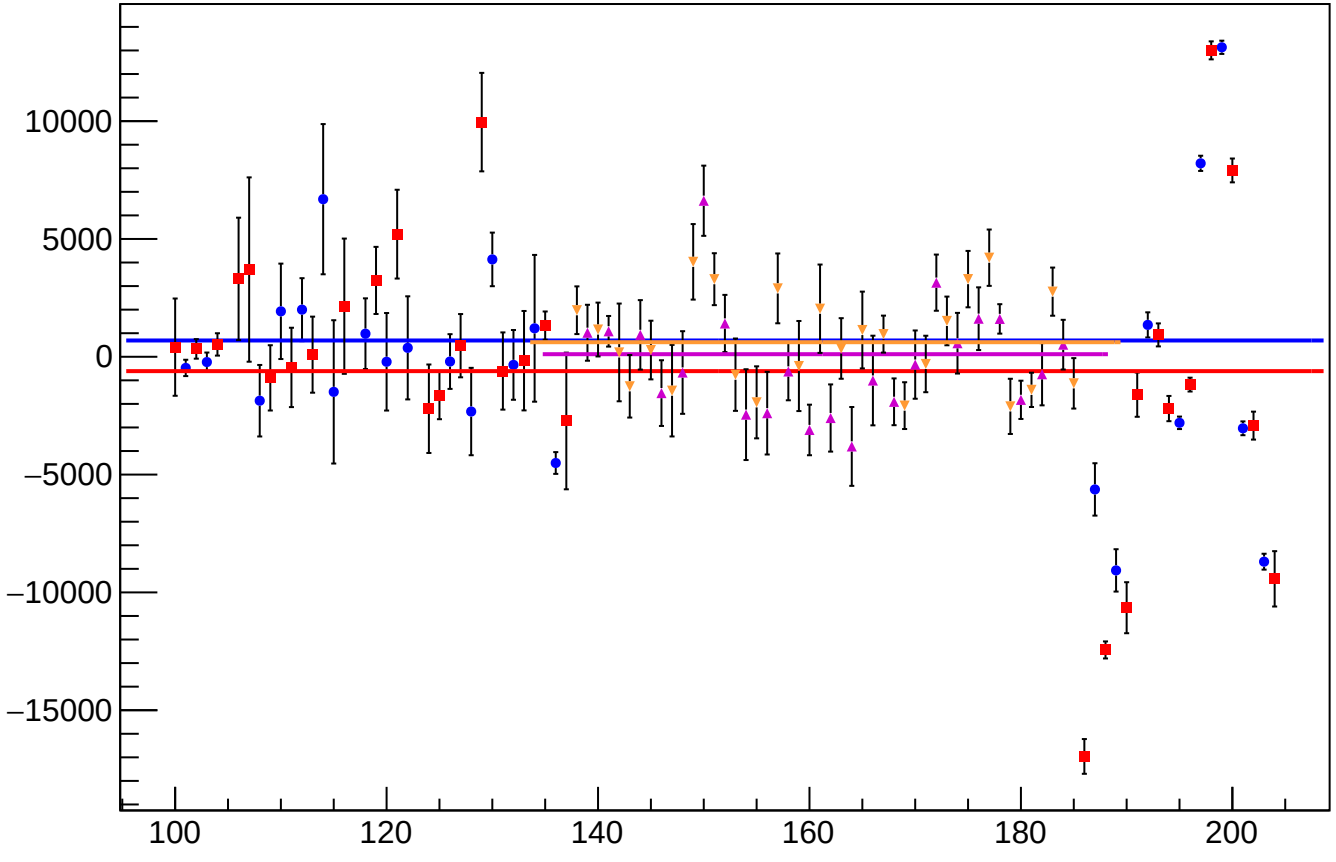
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 335.218+/-0.043 χ^2/NDF: 2515875.5/48

All: 332.840+/-0.030 χ^2/NDF: 4983647.2/101

- sign 330.603+/-0.041 χ^2/NDF: 2461725.5/52

asym_bpm0l03WS_mean vs Slug



Right In: 691.419+/-107.626 χ^2/NDF: 3928.5/23

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -609.304+/-125.491 χ^2/NDF: 3369.2/29

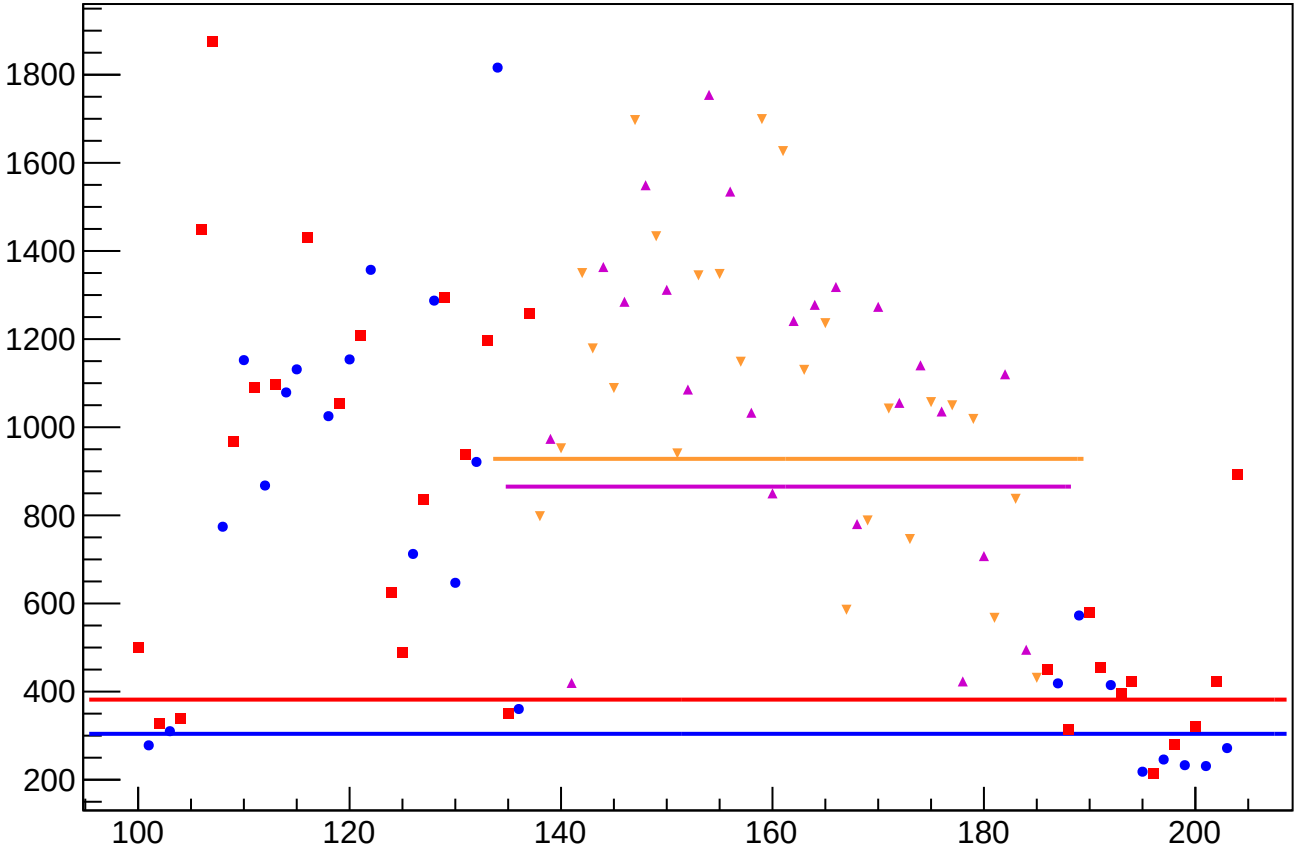
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign 679.059+/-98.076 χ^2/NDF: 3994.3/48

All: 182.785+/-73.493 χ^2/NDF: 7500.7/101

- sign -452.756+/-110.988 χ^2/NDF: 3448.0/52

asym_bpm0l03WS_rms vs Slug



Right In: 304.183+/-0.076 χ^2/NDF: 5111026.5/23

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 381.820+/-0.089 χ^2/NDF: 5665289.6/29

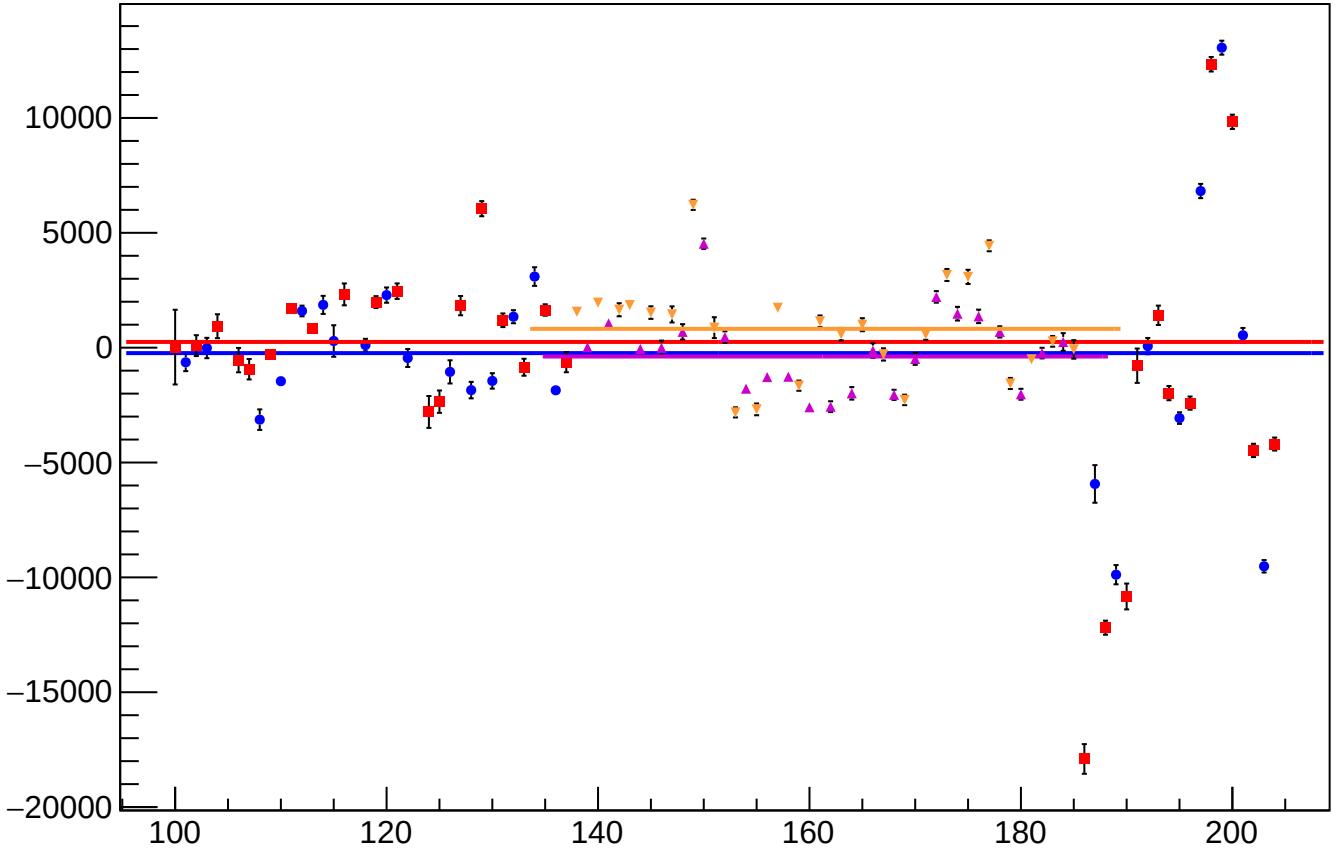
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 410.023+/-0.069 χ^2/NDF: 19809936.5/48

All: 443.818+/-0.052 χ^2/NDF: 37272758.5/10

- sign 487.098+/-0.078 χ^2/NDF: 16921225.6/52

asym_bpm0l04WS_mean vs Slug



Right In: -236.962+/-65.605 χ^2/NDF: 4726.7/23

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 249.840+/-59.962 χ^2/NDF: 6513.3/29

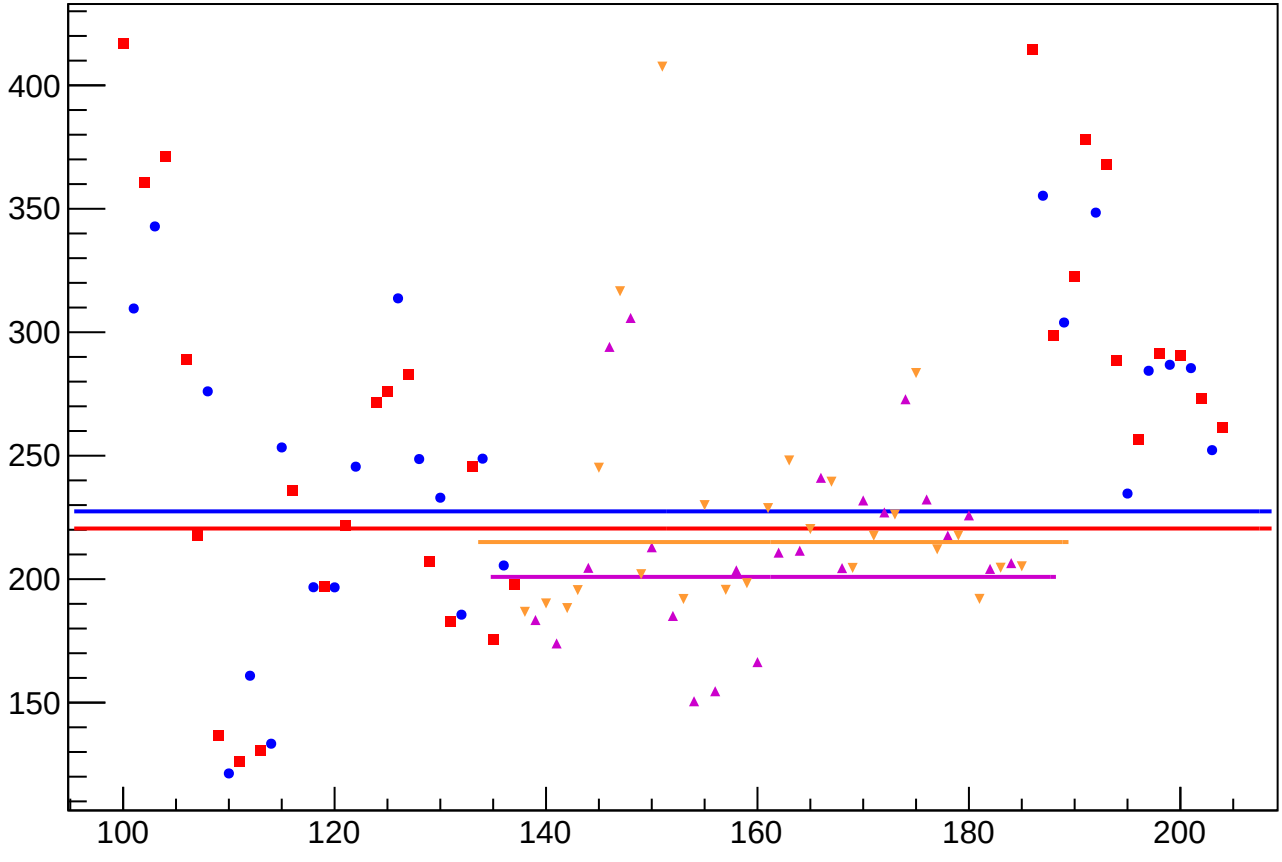
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 432.200+/-39.765 χ^2/NDF: 6881.9/48

All: 133.811+/-27.354 χ^2/NDF: 14823.2/101

- sign -134.211+/-37.687 χ^2/NDF: 7834.4/52

asym_bpm0l04WS_rms vs Slug



Right In: 227.454+/-0.046 χ^2/NDF: 1836704.2/23

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 220.510+/-0.042 χ^2/NDF: 3071197.0/29

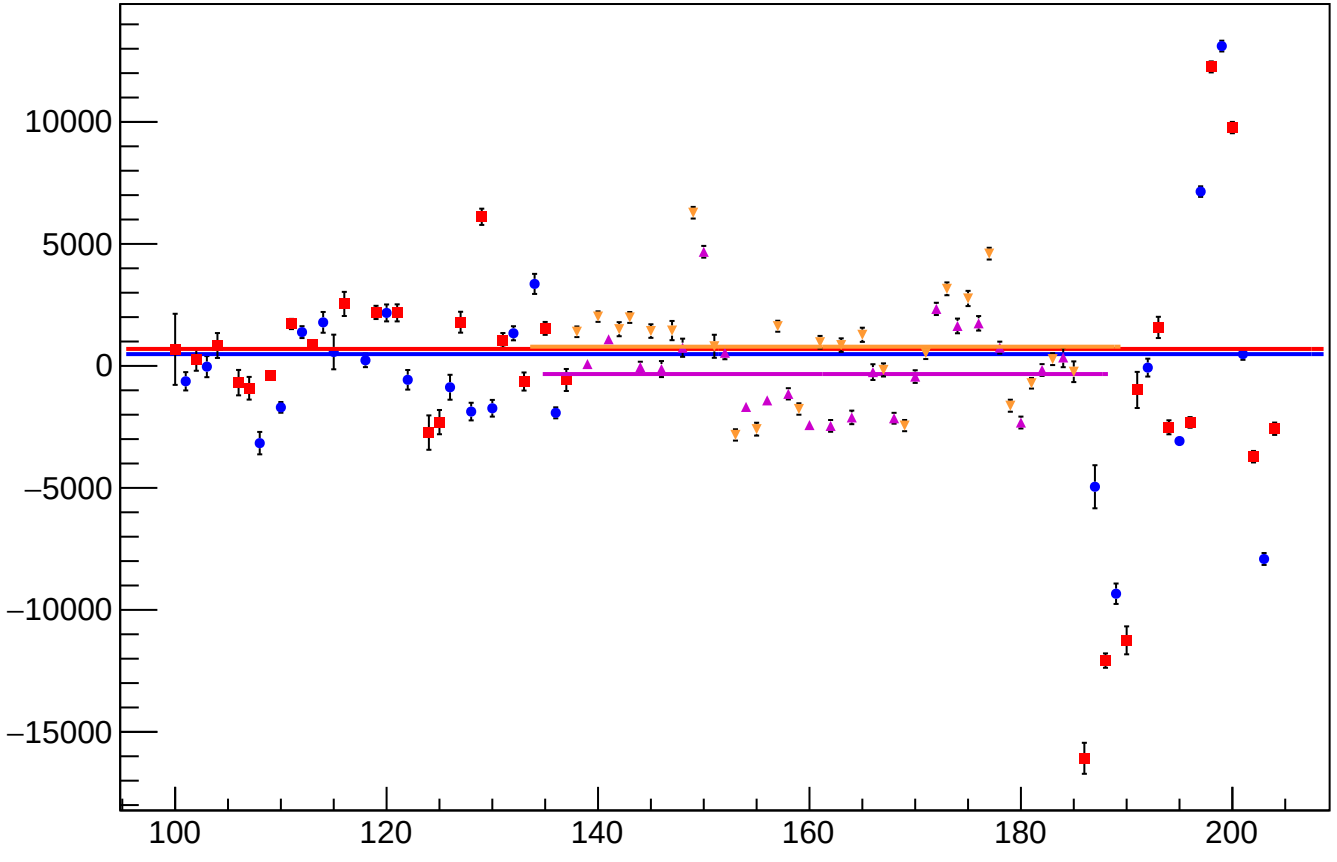
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 219.593+/-0.028 χ^2/NDF: 2779896.0/48

All: 213.832+/-0.019 χ^2/NDF: 7165797.3/101

- sign 208.657+/-0.027 χ^2/NDF: 4306218.7/52

asym_bpm0l05WS_mean vs Slug



Right In: 483.321+/-61.846 χ^2/NDF: 6749.4/23

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 696.014+/-57.511 χ^2/NDF: 8495.8/29

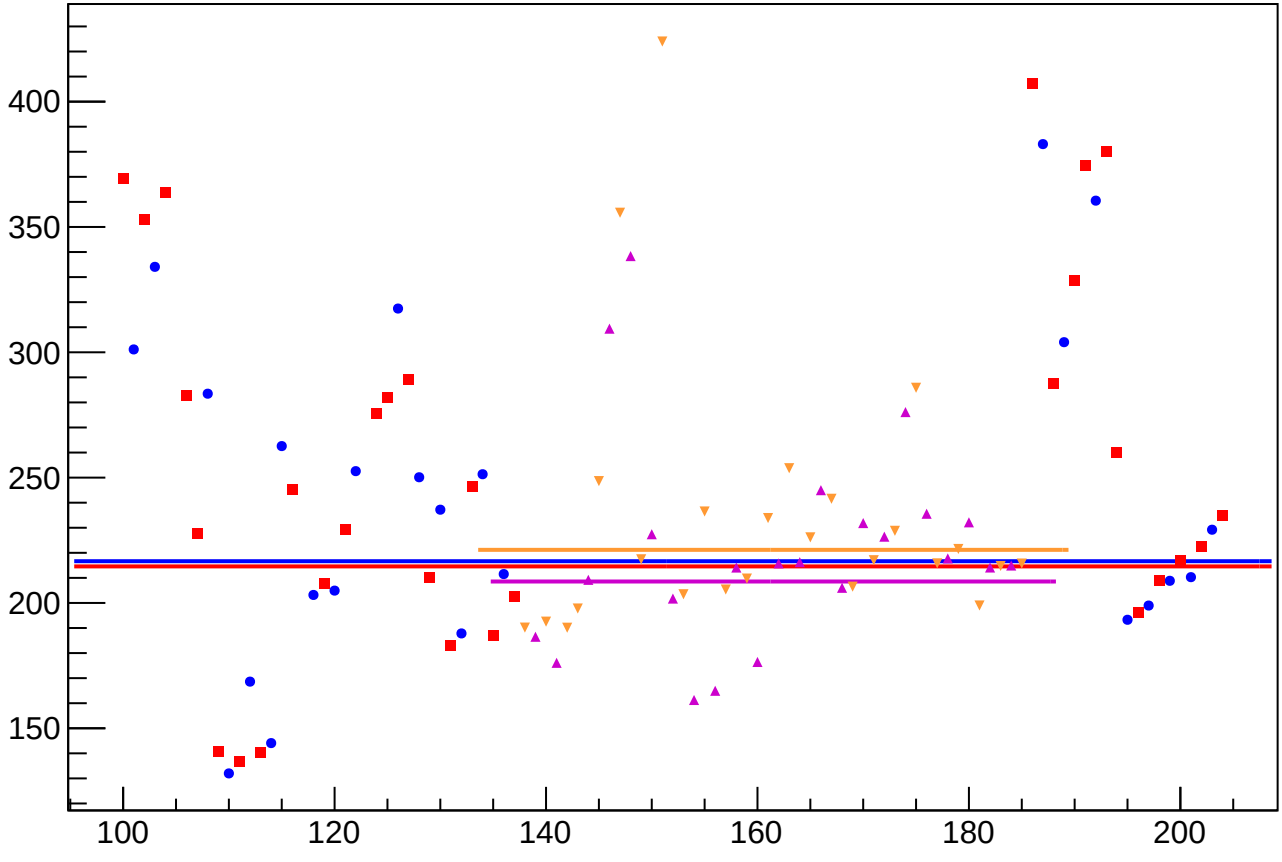
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 663.522+/-39.541 χ^2/NDF: 8654.0/48

All: 375.345+/-27.330 χ^2/NDF: 18648.5/101

- sign 111.753+/-37.817 χ^2/NDF: 9892.9/52

asym_bpm0l05WS_rms vs Slug



Right In: 216.652+/-0.044 χ^2/NDF: 1407342.1/23

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 214.580+/-0.041 χ^2/NDF: 2264936.8/29

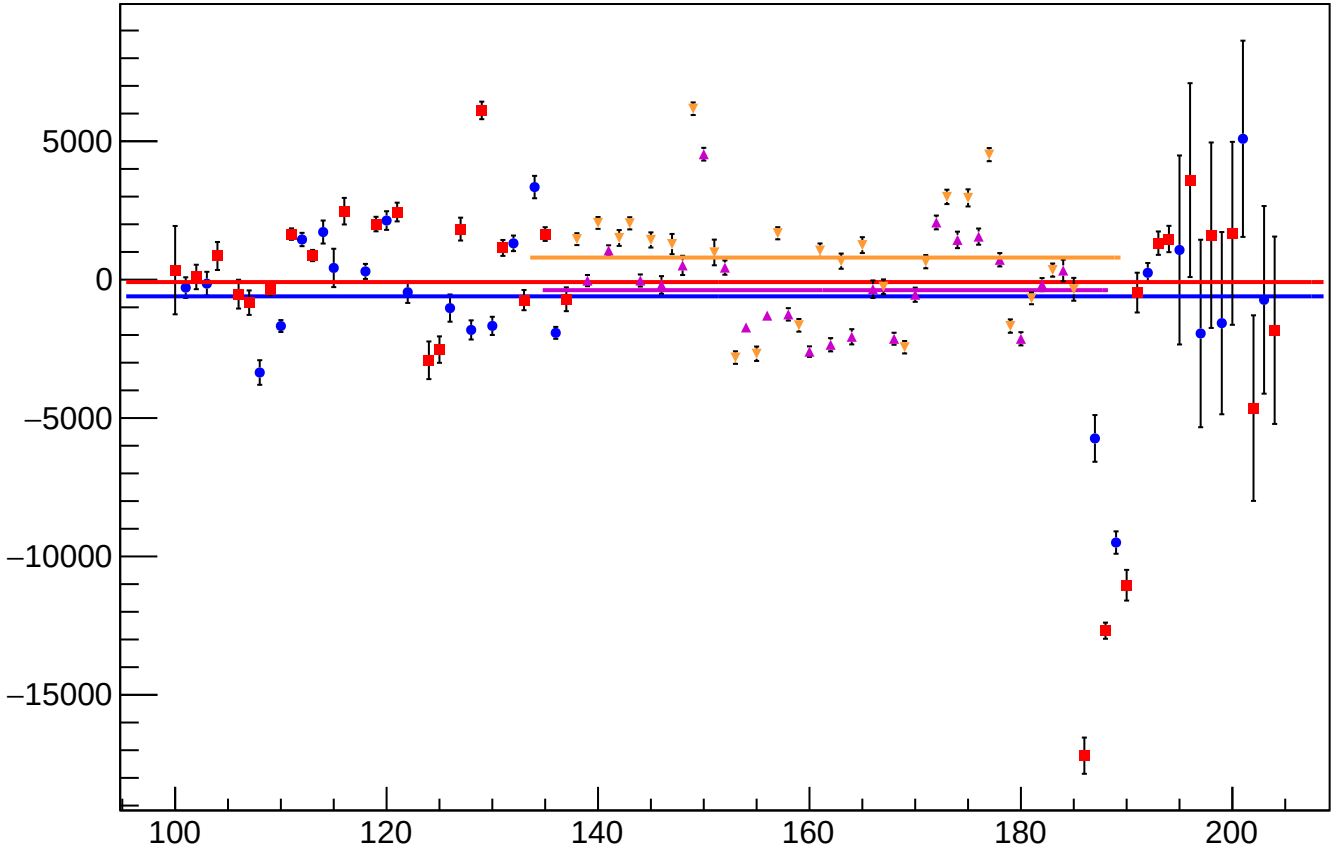
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 219.332+/-0.028 χ^2/NDF: 2353214.9/48

All: 215.064+/-0.019 χ^2/NDF: 5710855.6/101

- sign 211.161+/-0.027 χ^2/NDF: 3313028.9/52

asym_bpm0l06WS_mean vs Slug



Right In: -603.385+/-76.398 χ^2/NDF: 979.6/23

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -87.534+/-68.115 χ^2/NDF: 3733.9/29

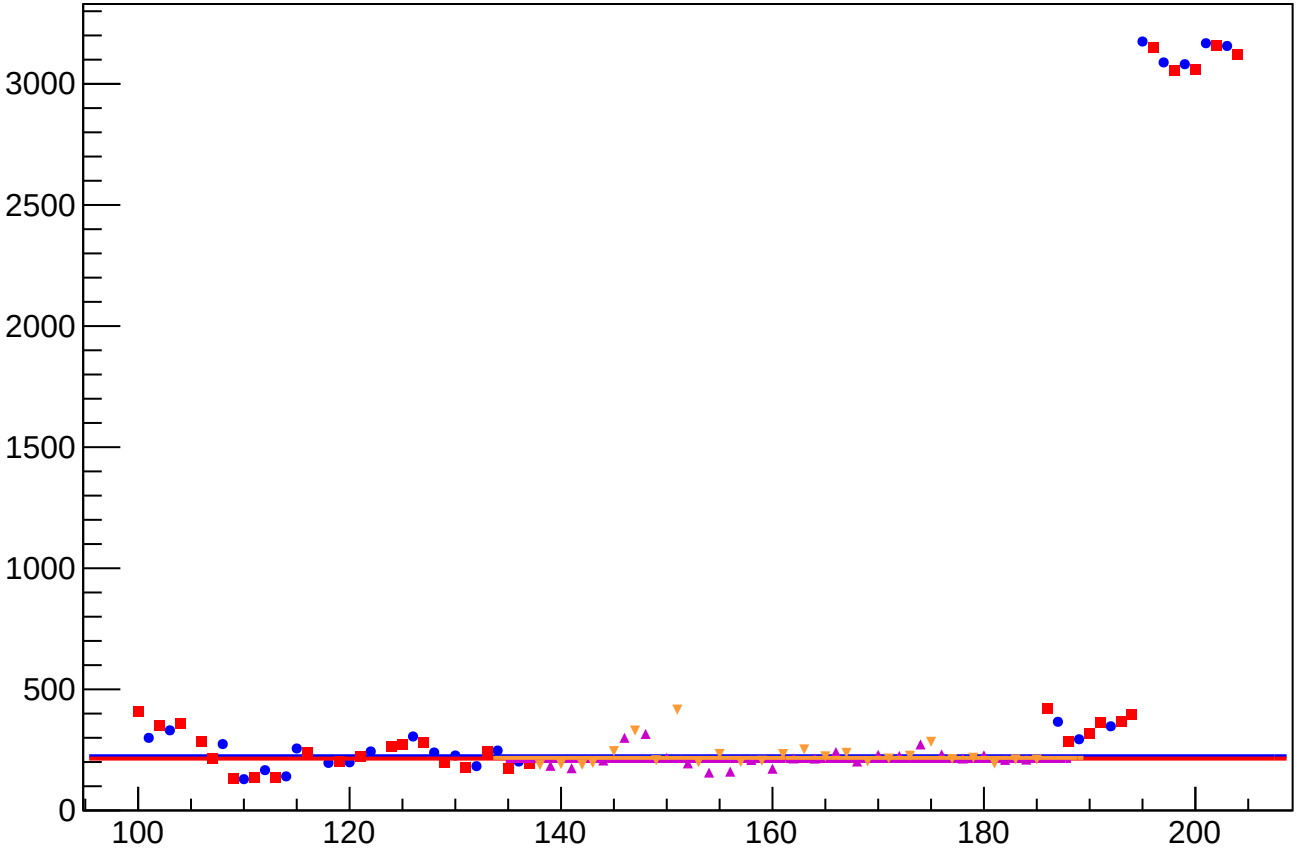
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 371.563+/-42.125 χ^2/NDF: 3174.4/48

All: 28.181+/-28.959 χ^2/NDF: 8247.6/101

- sign -279.495+/-39.875 χ^2/NDF: 4947.2/52

asym_bpm0l06WS_rms vs Slug



Right In: 223.844+/-0.054 χ^2/NDF: 8655921.9/23

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 214.104+/-0.048 χ^2/NDF: 9972695.3/29

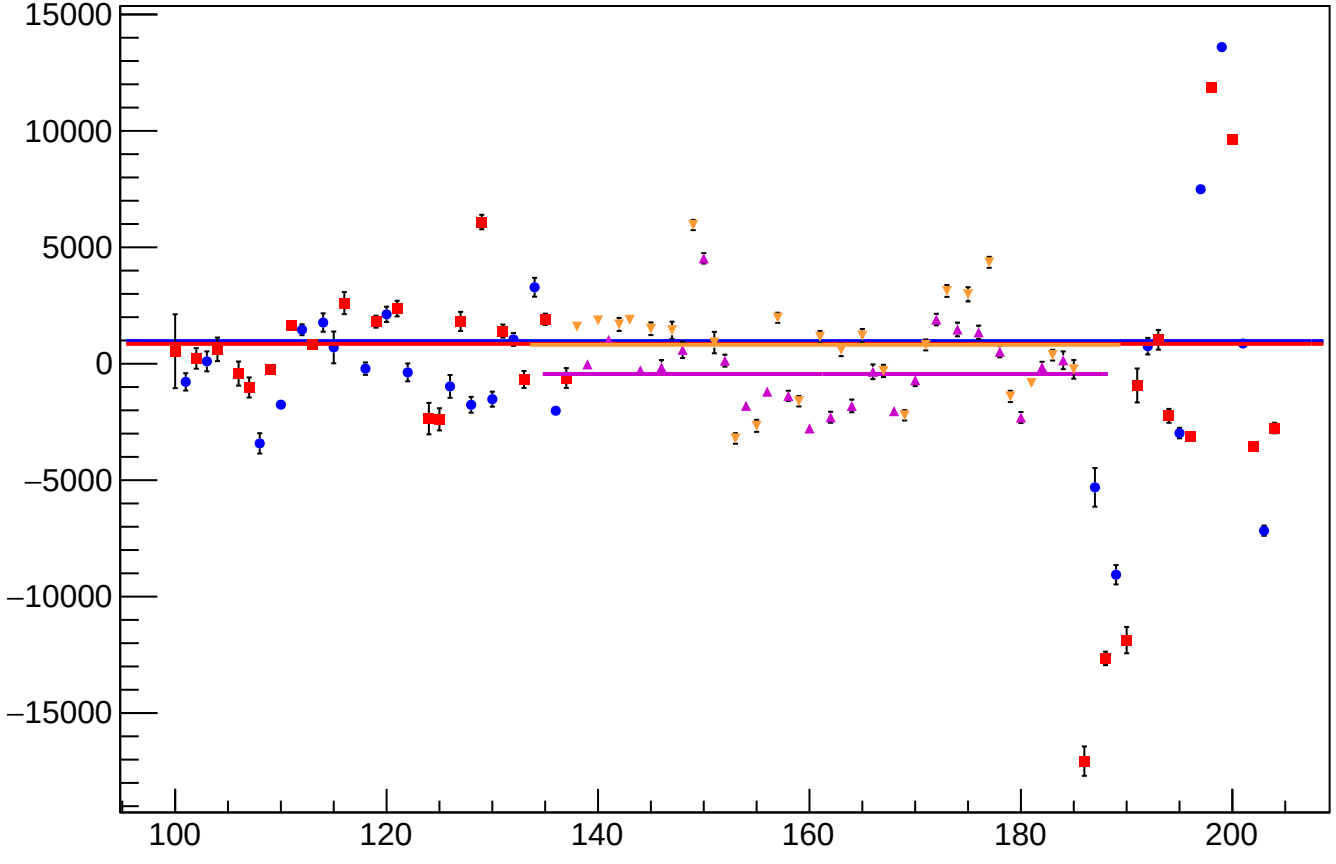
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 219.237+/-0.030 χ^2/NDF: 9576817.5/48

All: 213.134+/-0.020 χ^2/NDF: 20671352.4/10

- sign 207.665+/-0.028 χ^2/NDF: 11014934.3/52

asym_bpm0l07WS_mean vs Slug



Right In: 971.779+/-58.039 χ^2/NDF: 8679.4/23

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 855.542+/-53.596 χ^2/NDF: 10244.0/29

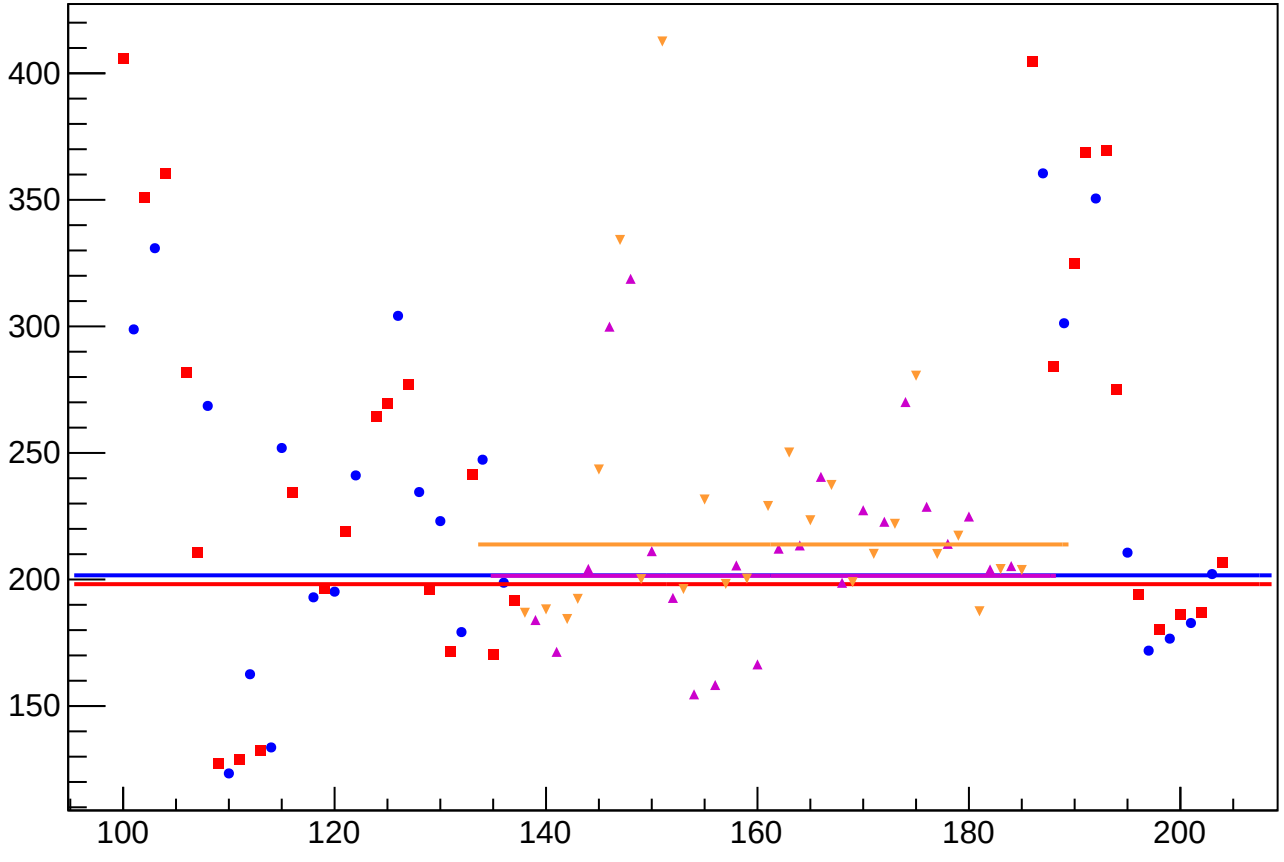
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 881.000+/-37.777 χ^2/NDF: 10684.0/48

All: 494.473+/-26.052 χ^2/NDF: 22683.5/101

- sign 143.915+/-35.976 χ^2/NDF: 11799.8/52

asym_bpm0l07WS_rms vs Slug



Right In: 201.646+/-0.041 χ^2/NDF: 1600694.4/23

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 198.156+/-0.038 χ^2/NDF: 2637118.8/29

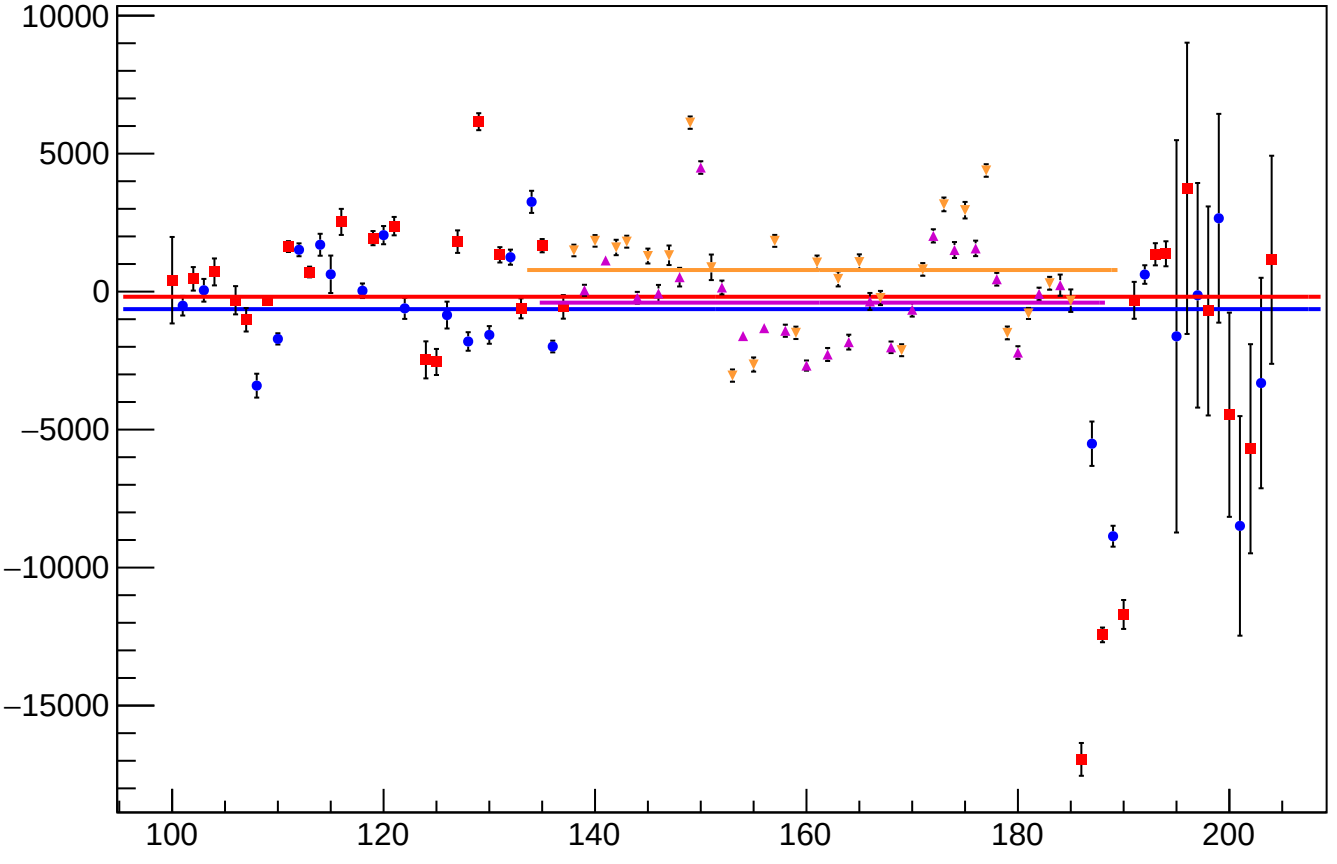
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 208.679+/-0.027 χ^2/NDF: 2615229.2/48

All: 204.108+/-0.018 χ^2/NDF: 6374282.6/101

- sign 199.963+/-0.025 χ^2/NDF: 3703230.8/52

asym_bpm0l08WS_mean vs Slug



Right In: -634.611+/-74.008 χ^2/NDF: 997.6/23

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -186.230+/-65.436 χ^2/NDF: 4276.1/29

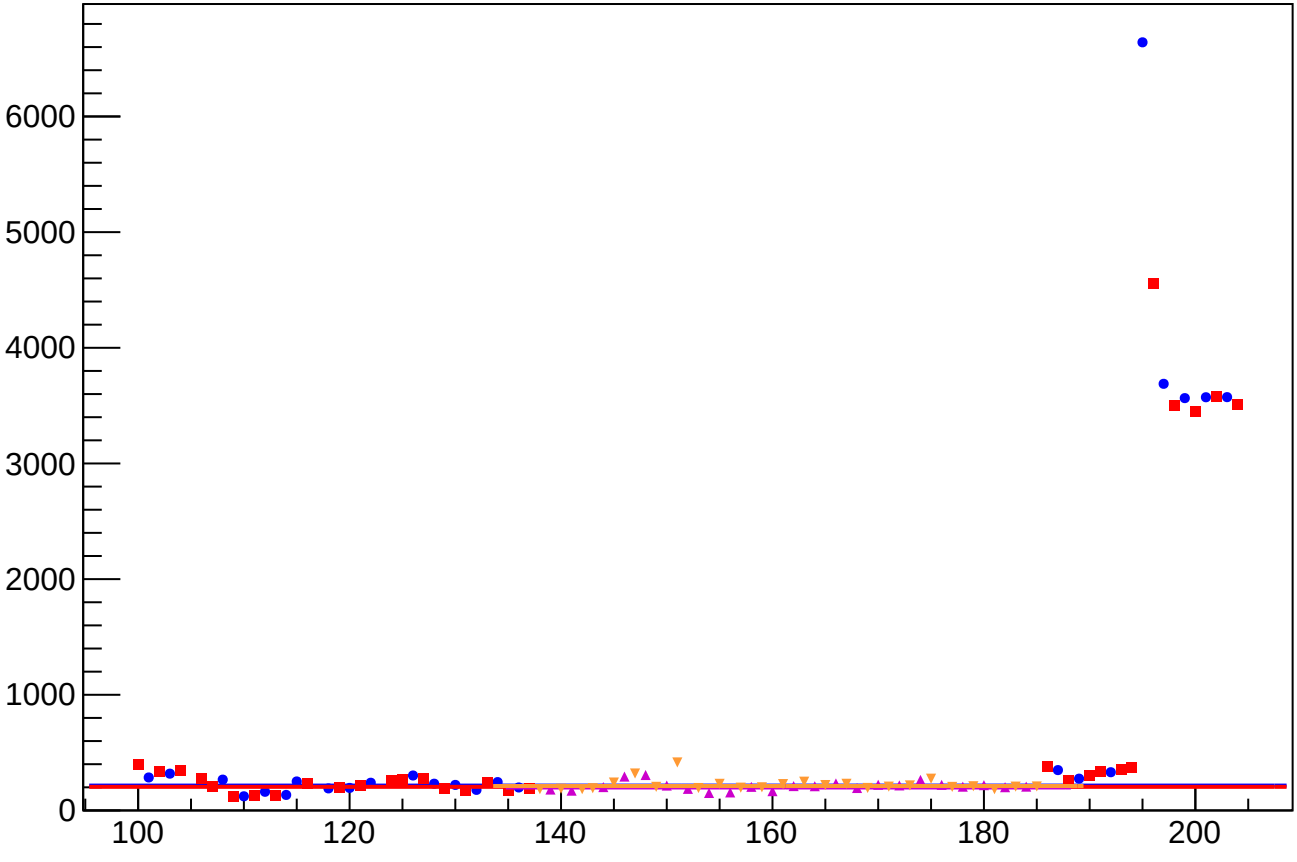
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 348.100+/-40.972 χ^2/NDF: 3253.1/48

All: -8.661+/-28.099 χ^2/NDF: 8911.3/101

- sign -325.451+/-38.608 χ^2/NDF: 5515.0/52

asym_bpm0l08WS_rms vs Slug



Right In: 215.040+/-0.052 χ^2/NDF: 8976579.8/23

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 204.201+/-0.046 χ^2/NDF: 10136460.5/29

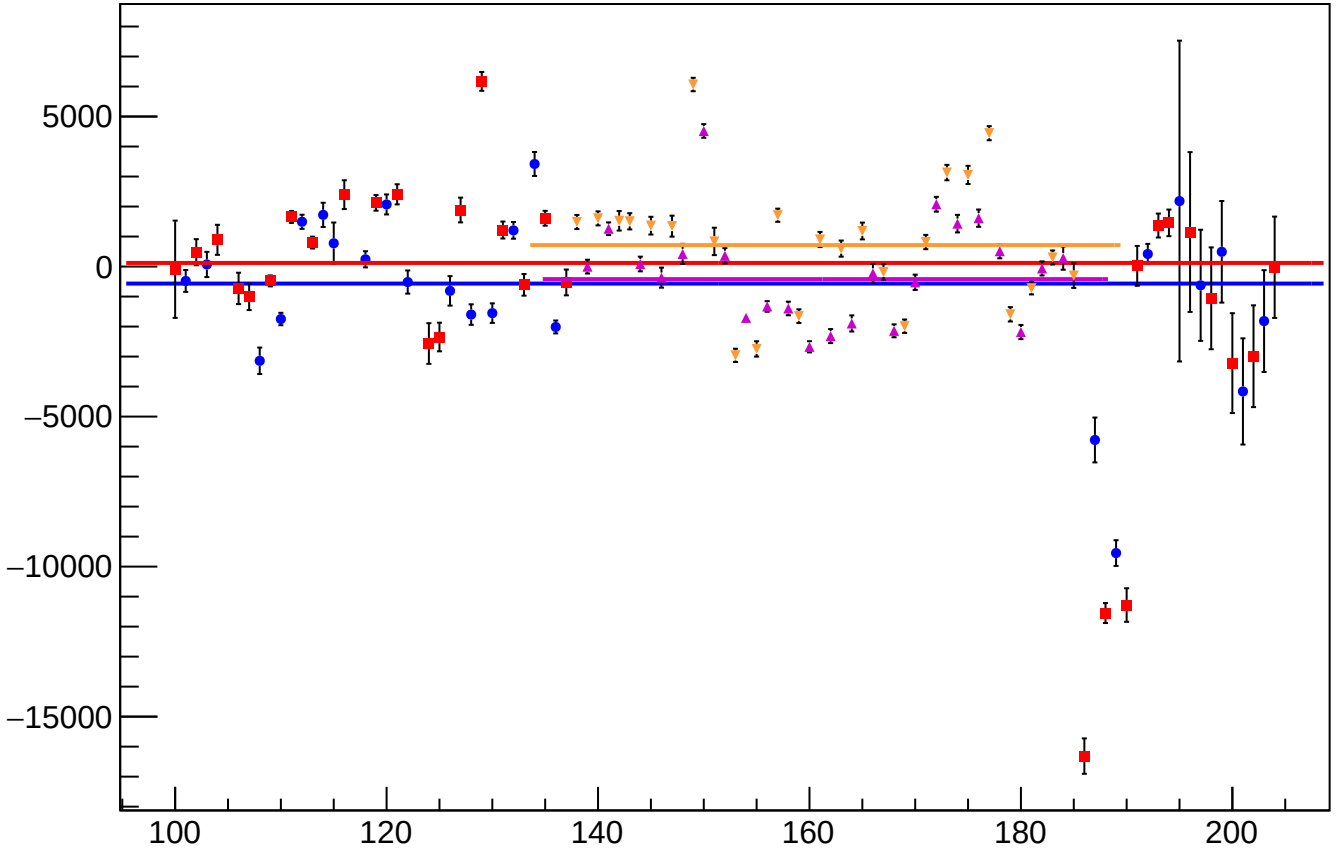
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 212.582+/-0.029 χ^2/NDF: 9914740.1/48

All: 206.183+/-0.020 χ^2/NDF: 21159580.6/10

- sign 200.501+/-0.027 χ^2/NDF: 11152730.5/52

asym_bpm0l09WS_mean vs Slug



Right In: -567.318+/-75.009 χ^2/NDF: 958.4/23

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 120.476+/-67.080 χ^2/NDF: 3166.5/29

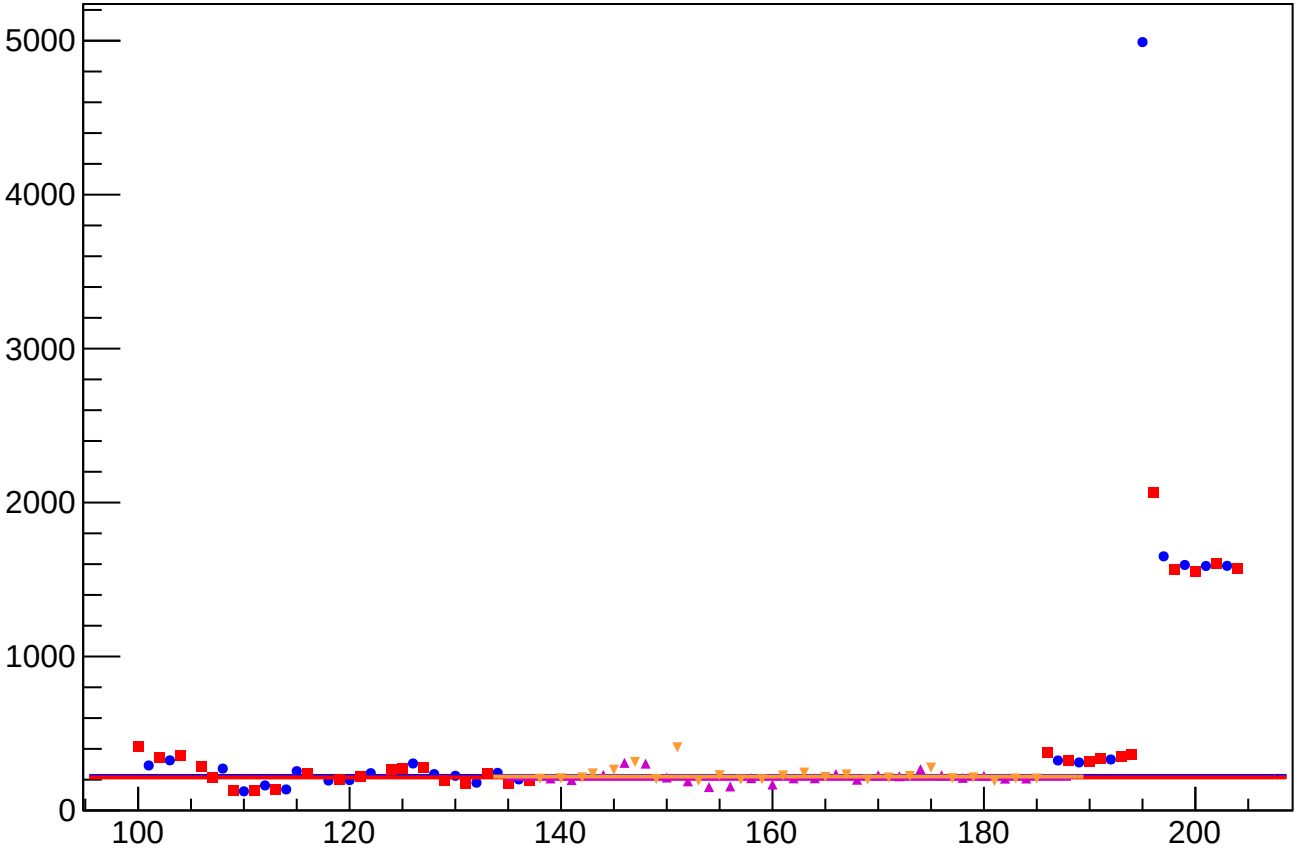
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 308.855+/-42.237 χ^2/NDF: 3076.1/48

All: 24.556+/-28.982 χ^2/NDF: 7611.0/101

- sign -228.413+/-39.842 χ^2/NDF: 4449.3/52

asym_bpm0l09WS_rms vs Slug



Right In: 224.002+/-0.053 χ^2/NDF: 7978264.1/23

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 214.708+/-0.047 χ^2/NDF: 8878063.3/29

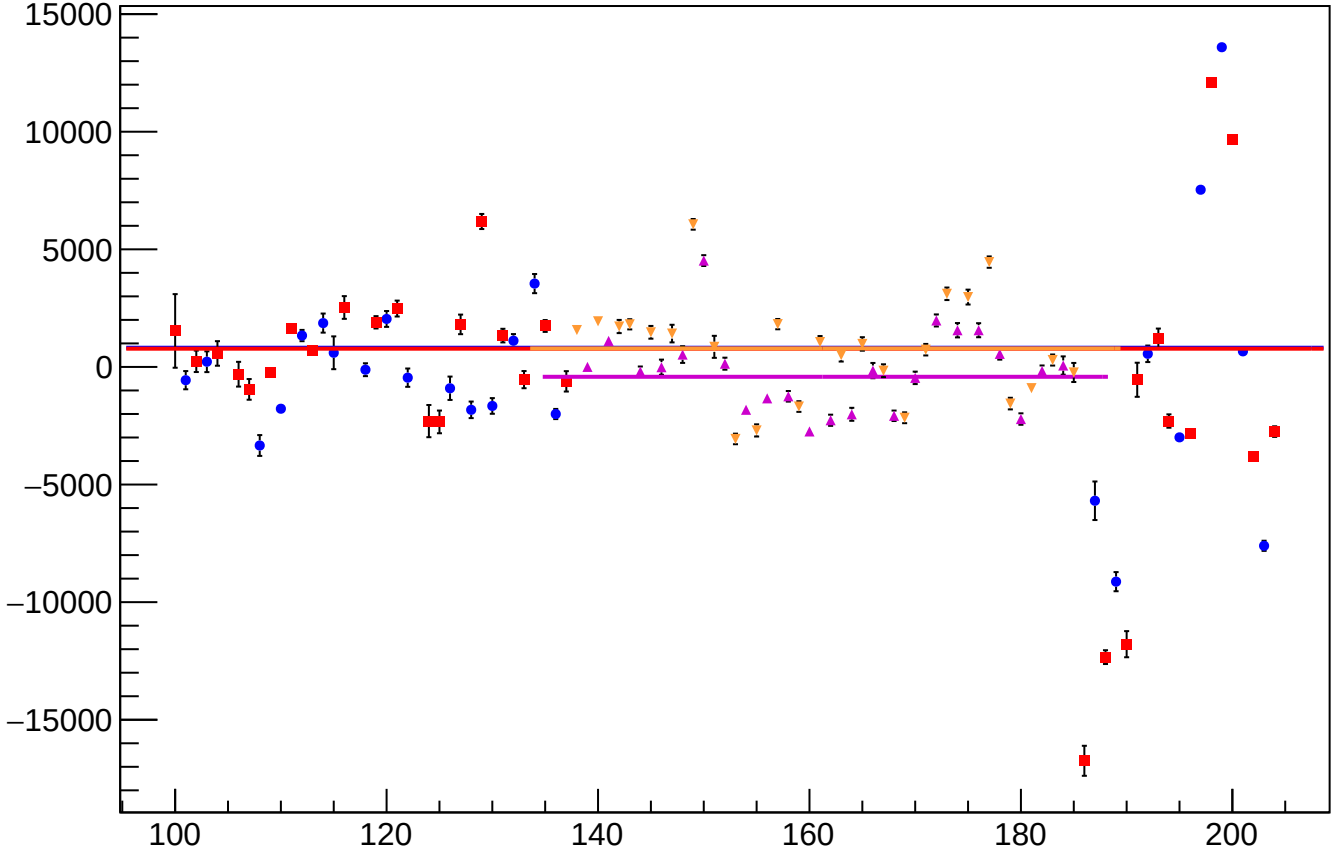
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 221.368+/-0.030 χ^2/NDF: 8781575.7/48

All: 214.684+/-0.020 χ^2/NDF: 18792750.5/10

- sign 208.736+/-0.028 χ^2/NDF: 9916519.1/52

asym_bpm0l10WS_mean vs Slug



Right In: 816.441+/-58.752 χ^2/NDF: 8683.5/23

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 775.749+/-54.498 χ^2/NDF: 9896.7/29

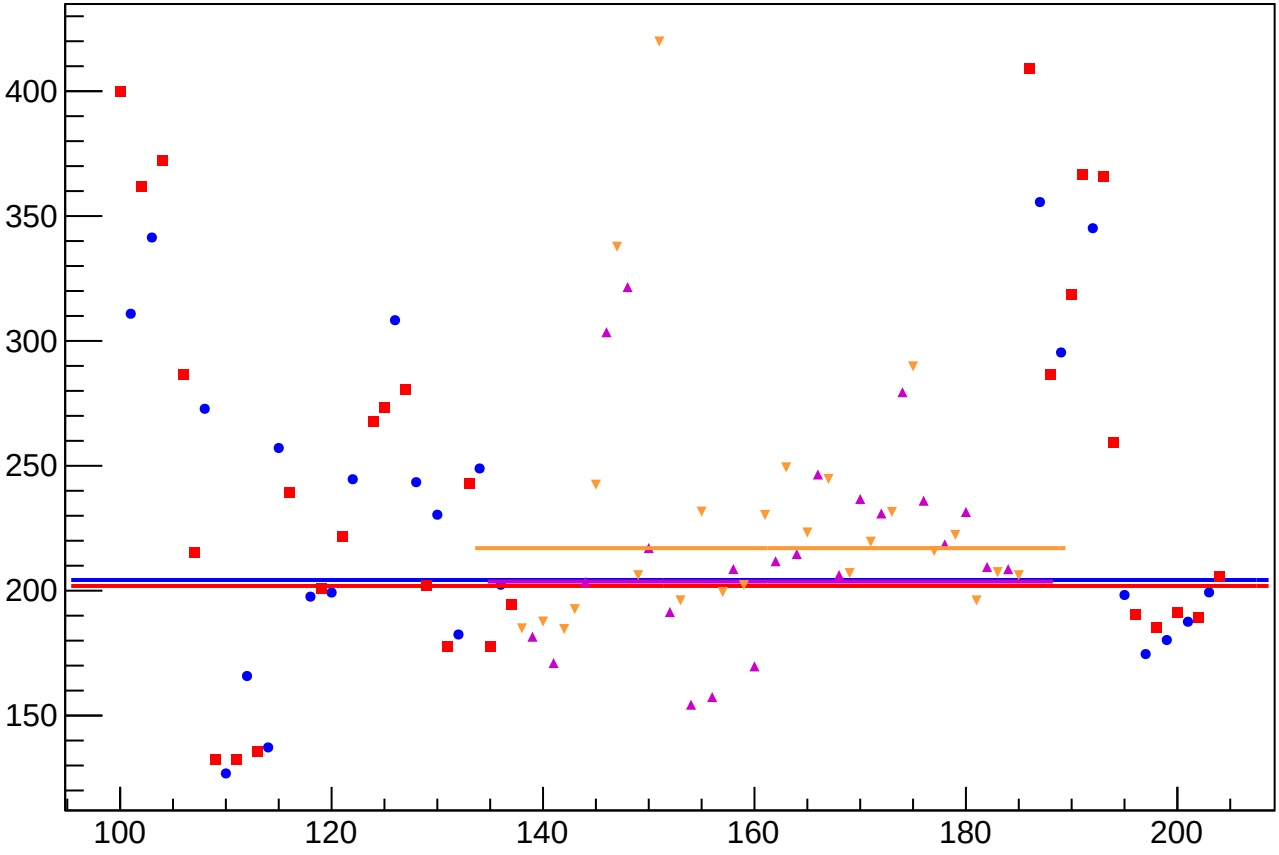
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 799.471+/-38.307 χ^2/NDF: 10621.2/48

All: 441.760+/-26.425 χ^2/NDF: 22160.2/101

- sign 117.012+/-36.500 χ^2/NDF: 11372.6/52

asym_bpm0l10WS_rms vs Slug



Right In: 204.274+/-0.042 χ^2/NDF: 1546493.9/23

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 201.896+/-0.039 χ^2/NDF: 2476762.9/29

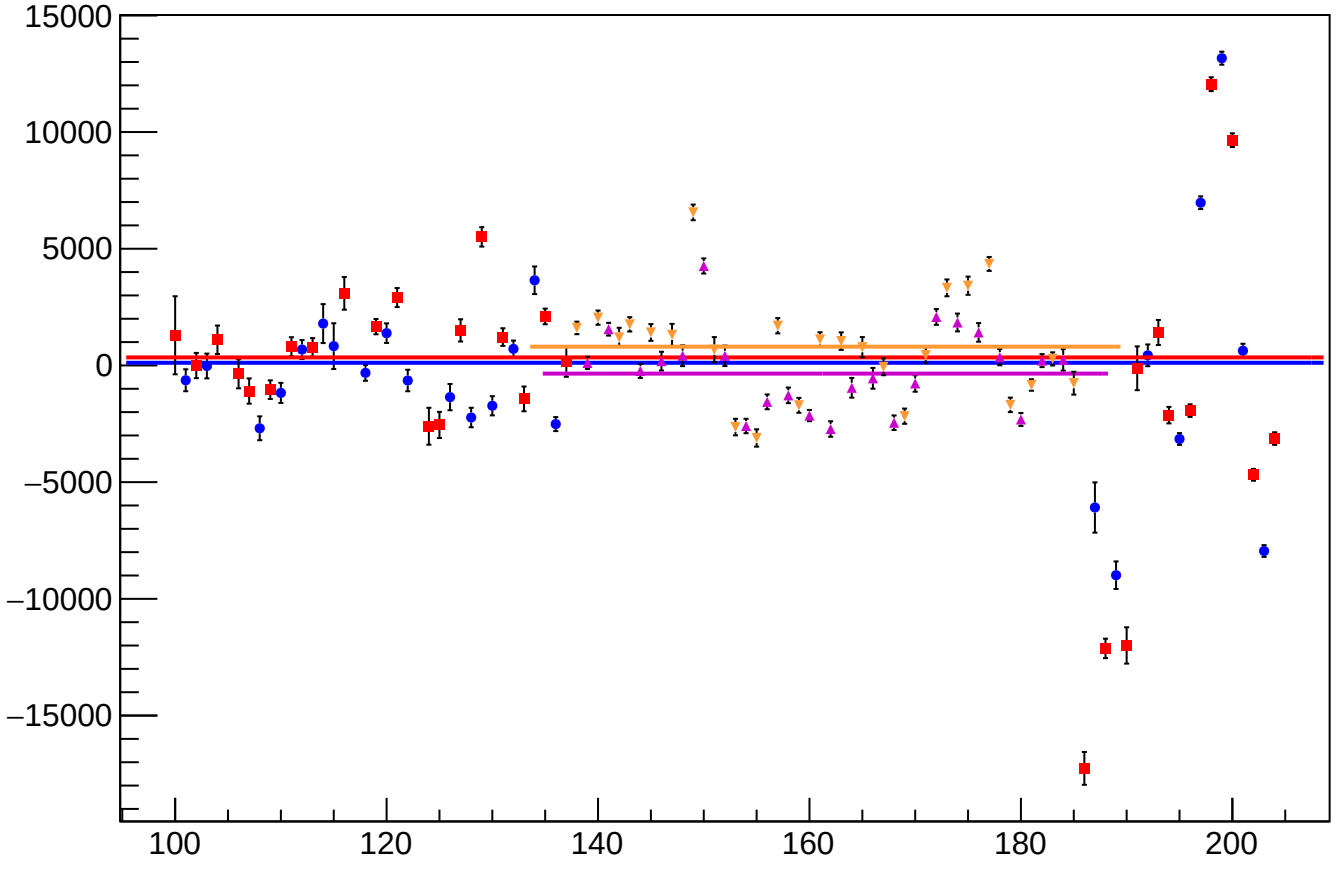
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

\+ sign 211.613+/-0.027 χ^2/NDF: 2583945.3/48

All: 207.030+/-0.019 χ^2/NDF: 6281821.9/101

\- sign 202.869+/-0.026 χ^2/NDF: 3643253.9/52

asym_bpm0r03WS_mean vs Slug



Right In: 114.071+/-79.330 χ^2/NDF: 4514.7/23

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 343.526+/-75.928 χ^2/NDF: 5367.9/29

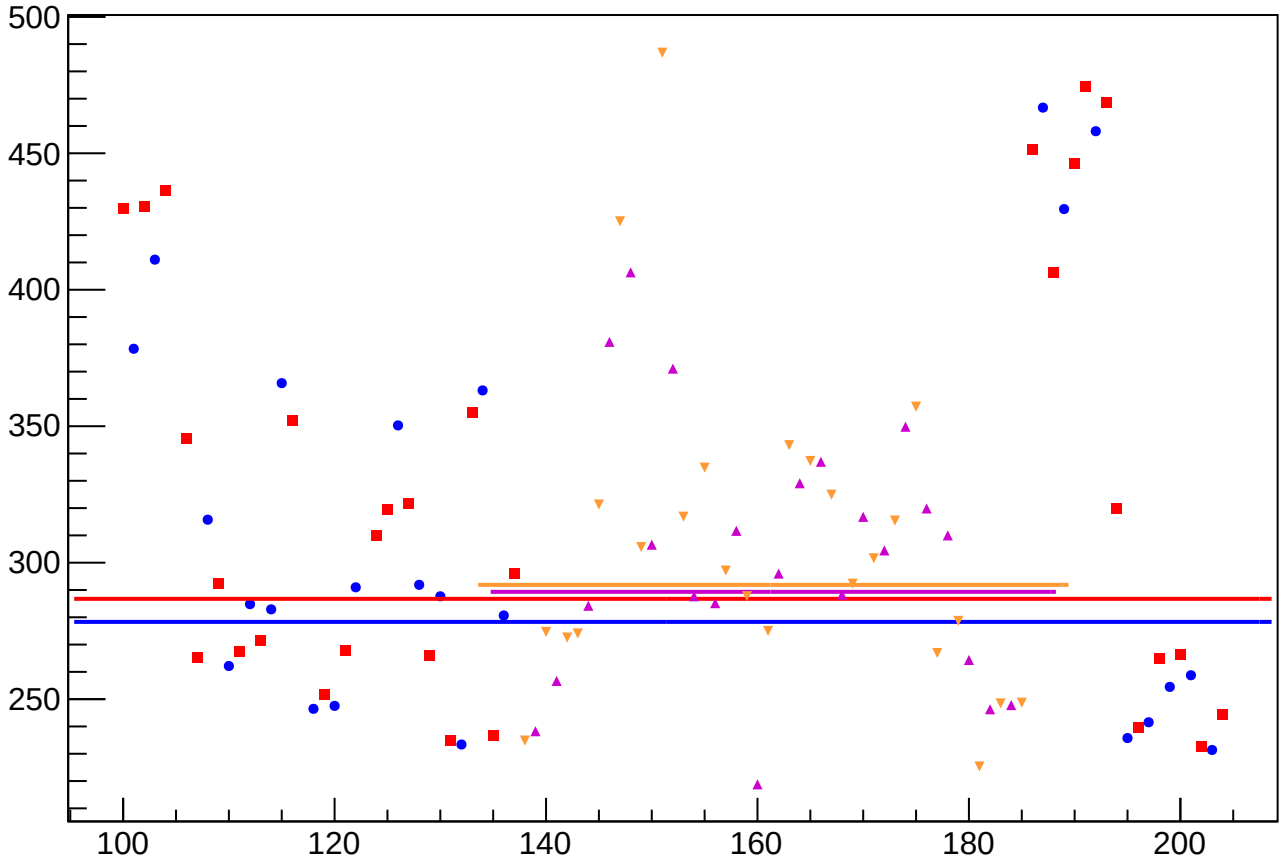
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 513.159+/-51.494 χ^2/NDF: 5616.1/48

All: 236.024+/-36.257 χ^2/NDF: 11743.2/101

- sign -36.444+/-51.058 χ^2/NDF: 6069.7/52

asym_bpm0r03WS_rms vs Slug



Right In: 278.310+/-0.056 χ^2/NDF: 1059992.9/23

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 286.758+/-0.054 χ^2/NDF: 1398110.2/29

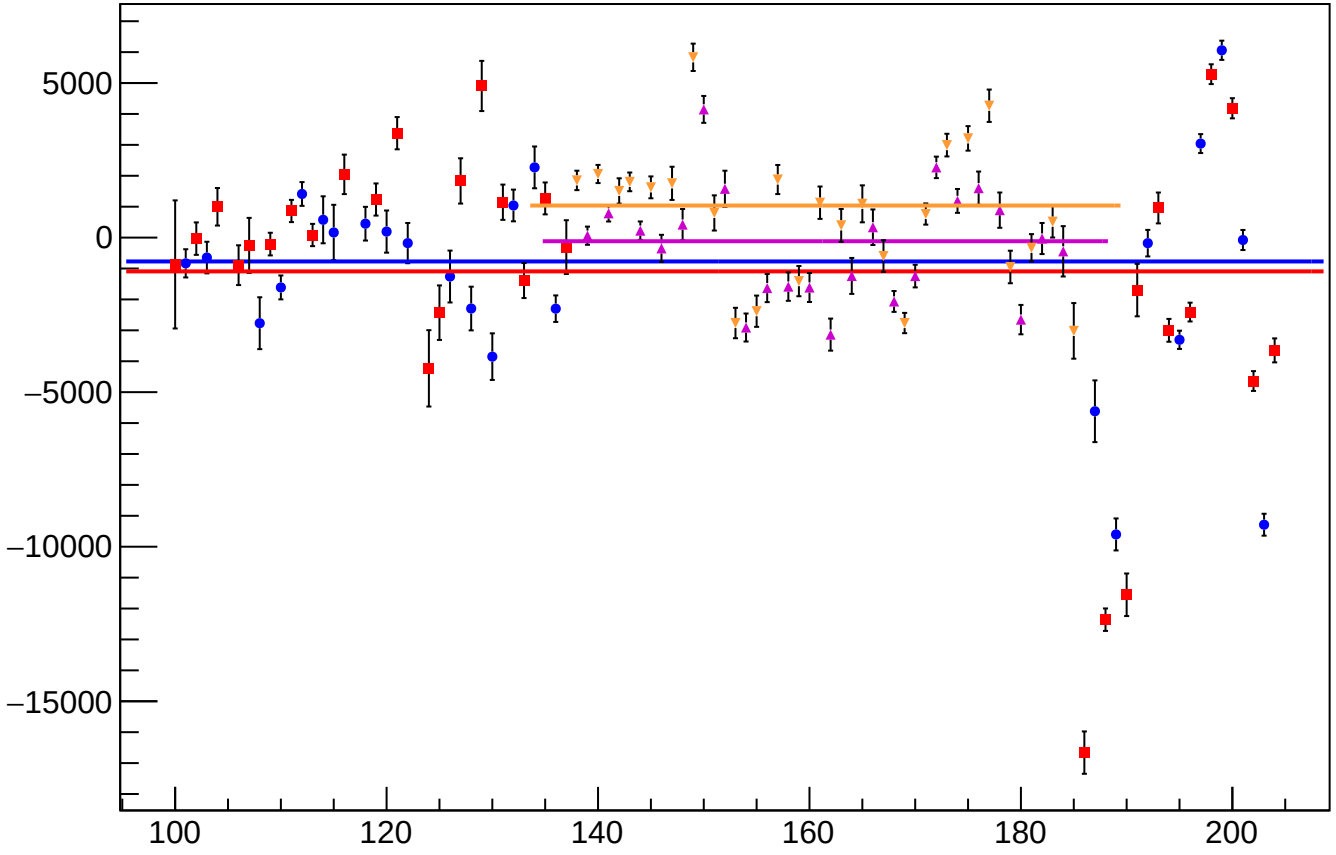
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 286.164+/-0.036 χ^2/NDF: 2053788.4/48

All: 287.171+/-0.026 χ^2/NDF: 4263271.0/101

- sign 288.162+/-0.036 χ^2/NDF: 2207964.2/52

asym_bpm0r05WS_mean vs Slug



Right In: -771.458+/-94.869 χ^2/NDF: 1733.5/23

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -1092.968+/-87.564 χ^2/NDF: 2892.6/29

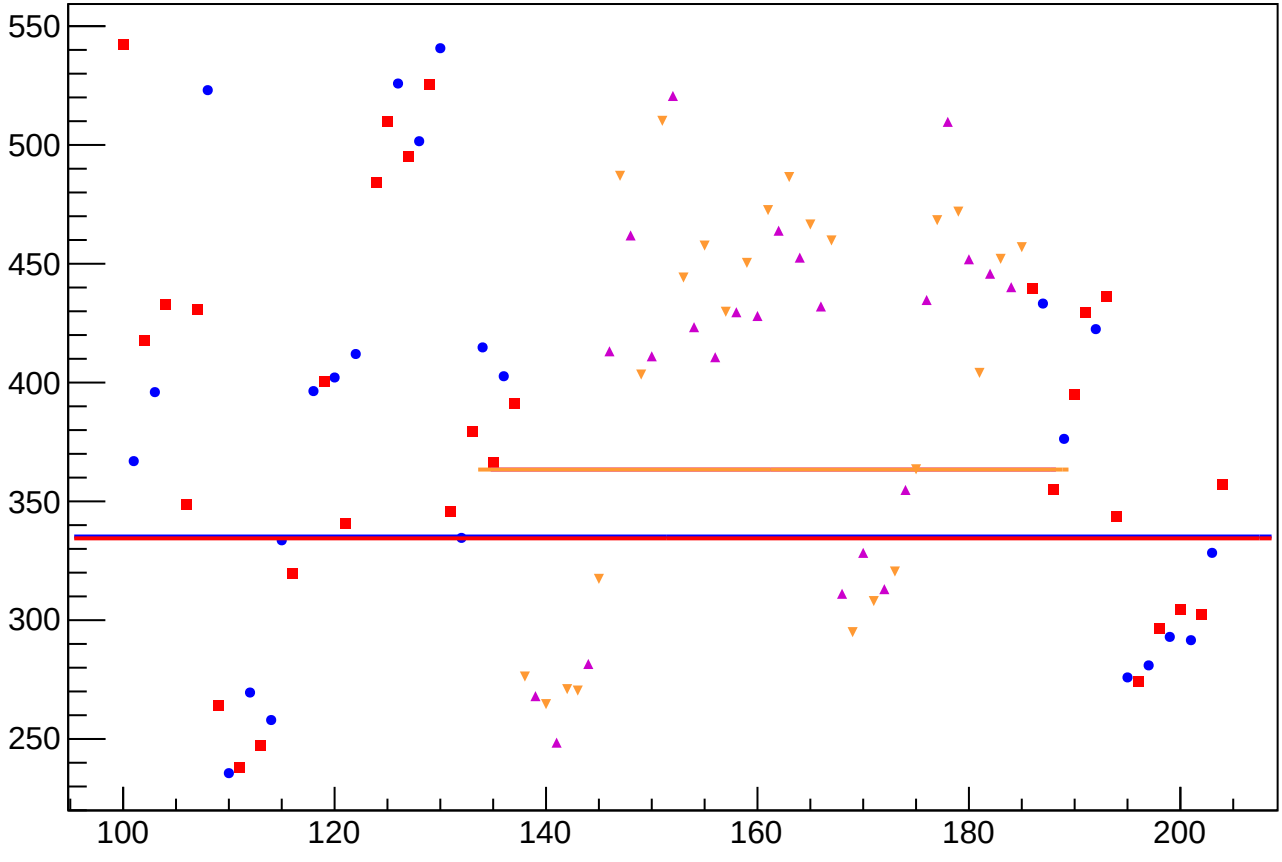
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 229.779+/-63.389 χ^2/NDF: 2504.9/48

All: -197.411+/-44.280 χ^2/NDF: 5918.7/101

- sign -604.514+/-61.881 χ^2/NDF: 3325.1/52

asym_bpm0r05WS_rms vs Slug



Right In: 335.207+/-0.067 χ^2/NDF: 1194259.4/23

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 334.434+/-0.062 χ^2/NDF: 1189054.6/29

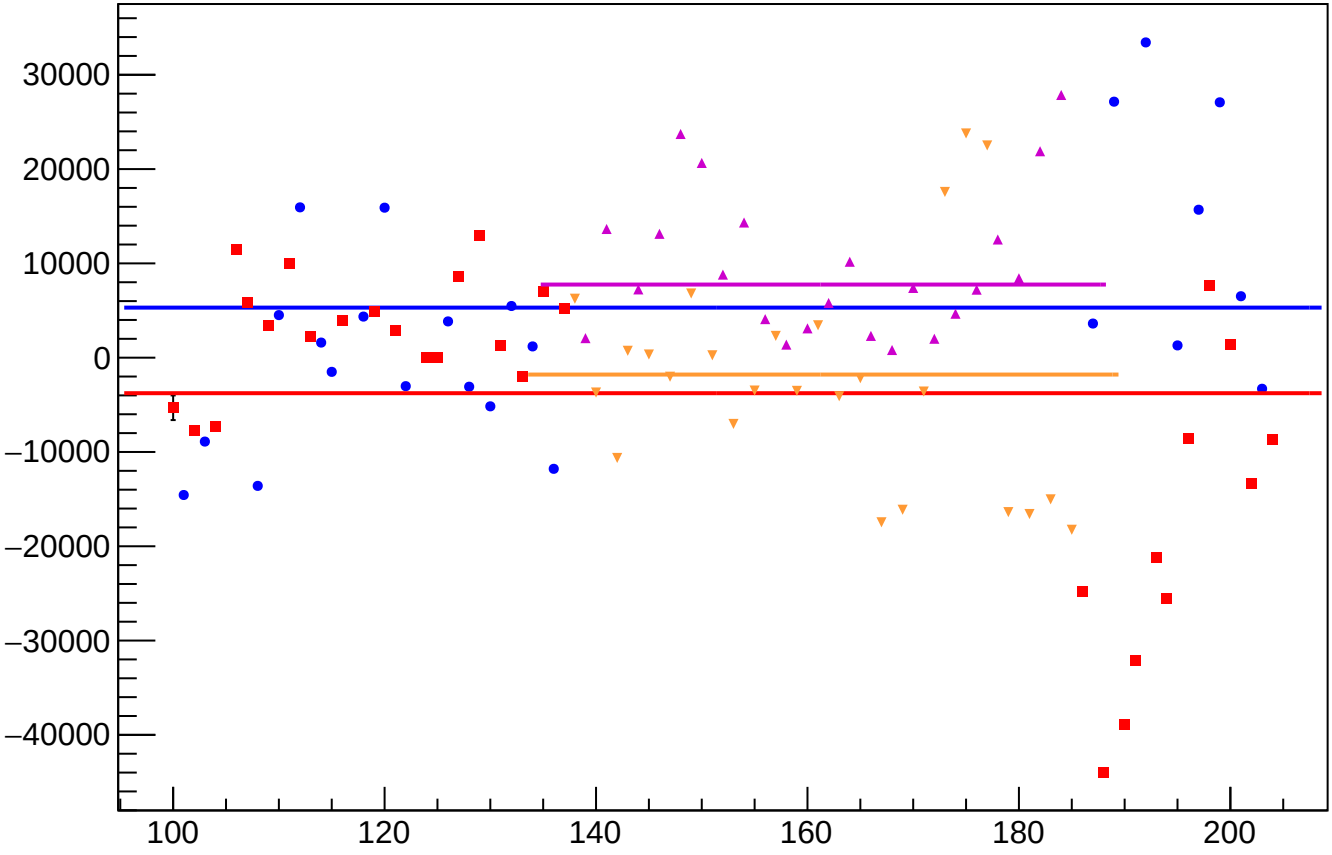
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 350.806+/-0.045 χ^2/NDF: 3232439.9/48

All: 349.844+/-0.031 χ^2/NDF: 6243447.4/101

- sign 348.927+/-0.044 χ^2/NDF: 3010108.1/52

asym_bpm0i02WS_mean vs Slug



Right In: 5309.244+/-43.458 χ^2/NDF: 90036.9/23

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -3766.635+/-40.412 χ^2/NDF: 136201.2/29

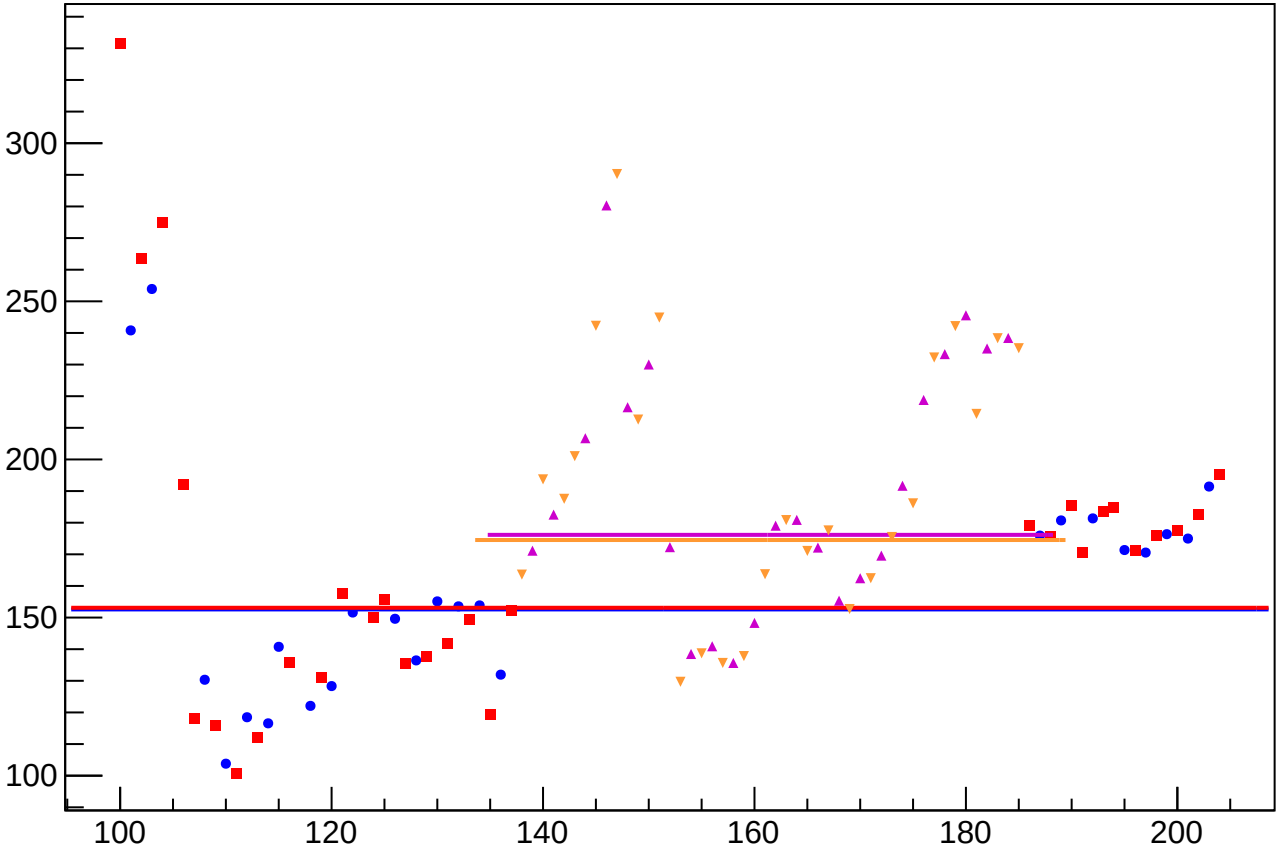
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 1545.234+/-29.788 χ^2/NDF: 169932.1/48

All: 1620.976+/-20.892 χ^2/NDF: 367949.5/10

- sign 1694.303+/-29.309 χ^2/NDF: 198004.7/52

asym_bpm0i02WS_rms vs Slug



Right In: 152.572+/-0.031 χ^2/NDF: 1040087.1/23

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 153.095+/-0.029 χ^2/NDF: 1500984.3/29

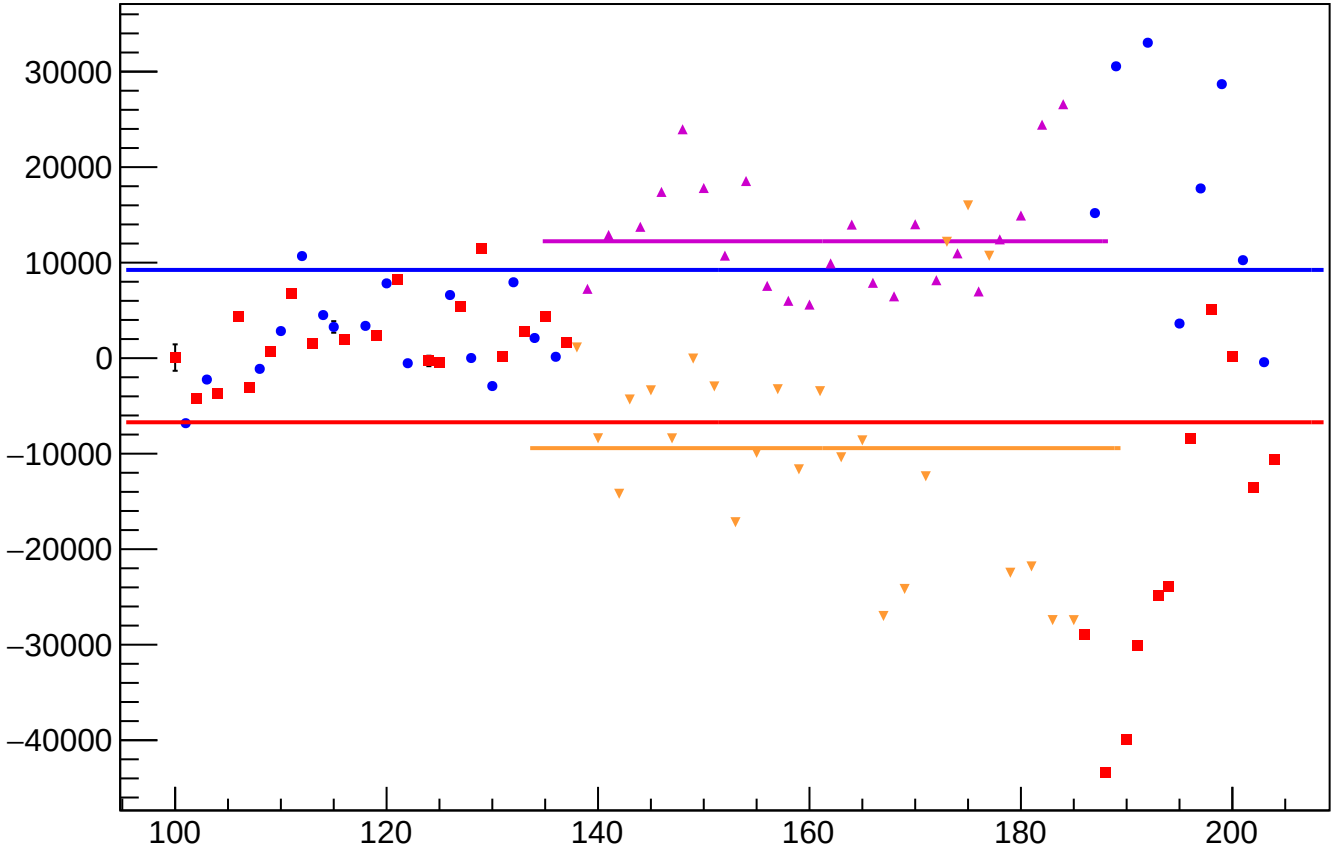
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 164.209+/-0.021 χ^2/NDF: 2970016.1/48

All: 164.116+/-0.015 χ^2/NDF: 6146754.2/101

- sign 164.025+/-0.021 χ^2/NDF: 3176699.5/52

asym_bpm0i02aWS_mean vs Slug



Right In: 9238.247+/-49.805 χ^2/NDF: 50909.6/23

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -6712.746+/-45.630 χ^2/NDF: 105331.2/29

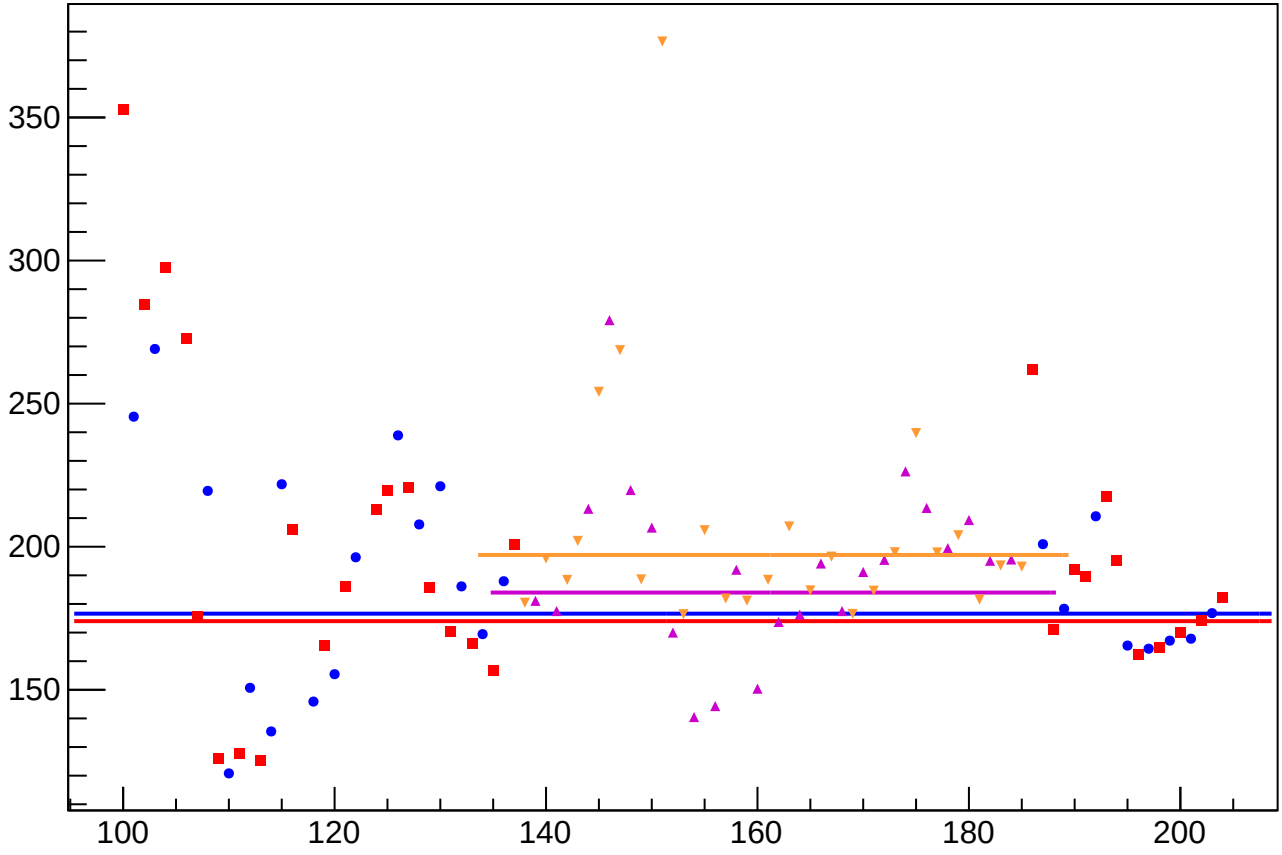
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -891.938+/-33.672 χ^2/NDF: 191826.3/48

All: 1203.309+/-23.099 χ^2/NDF: 409490.0/10

- sign 3065.723+/-31.746 χ^2/NDF: 210349.9/52

asym_bpm0i02aWS_rms vs Slug



Right In: 176.611+/-0.035 χ^2/NDF: 759490.5/23

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.993+/-0.032 χ^2/NDF: 1197146.7/29

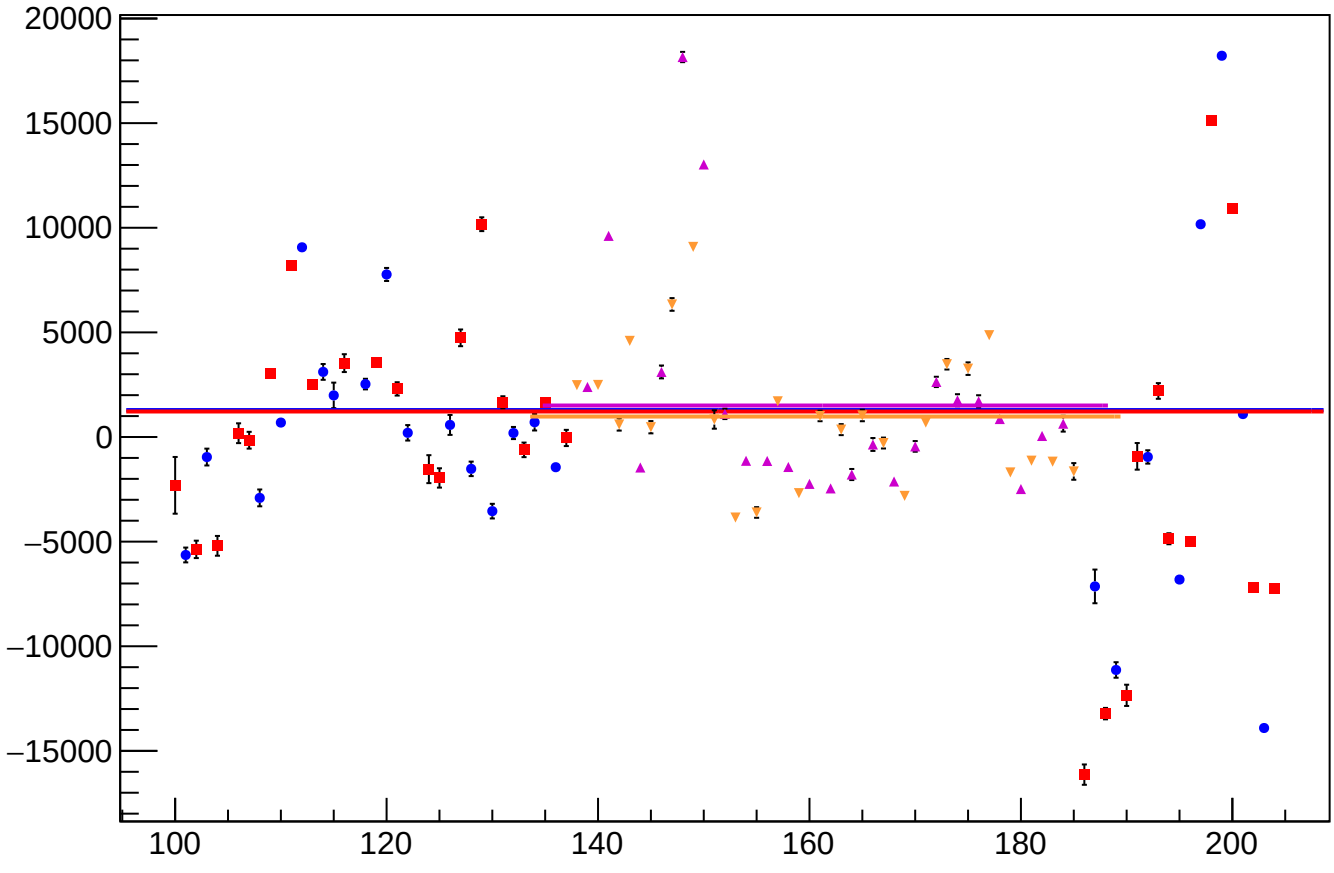
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 187.747+/-0.024 χ^2/NDF: 1676182.0/48

All: 183.195+/-0.016 χ^2/NDF: 3821634.3/101

- sign 179.149+/-0.022 χ^2/NDF: 2076409.3/52

asym_bpm0i05WS_mean vs Slug



Right In: 1288.463+/-56.136 χ^2/NDF: 20335.8/23

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1219.489+/-51.665 χ^2/NDF: 19713.1/29

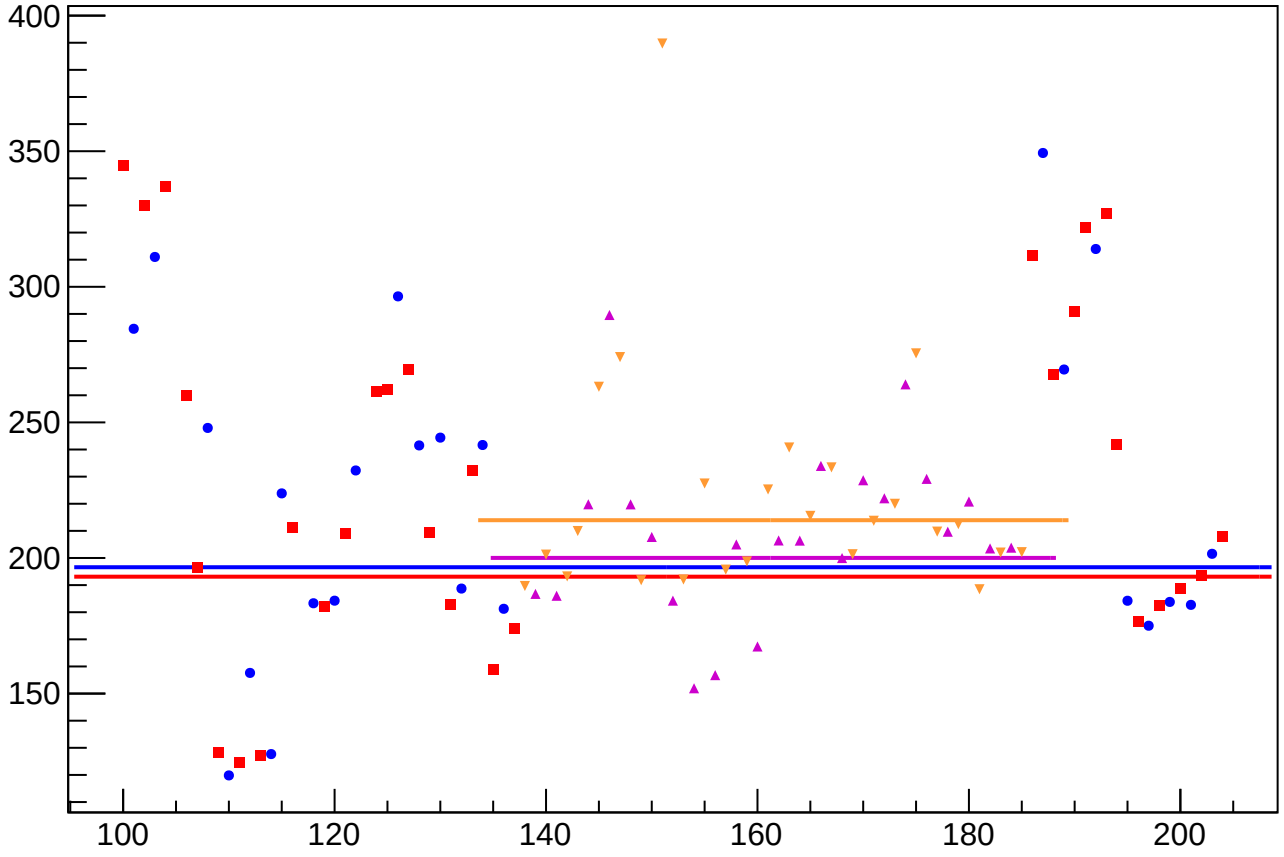
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 1114.375+/-37.172 χ^2/NDF: 24675.8/48

All: 1250.589+/-25.553 χ^2/NDF: 55911.4/101

- sign 1372.631+/-35.186 χ^2/NDF: 31210.1/52

asym_bpm0i05WS_rms vs Slug



Right In: 196.592+/-0.040 χ^2/NDF: 1440137.9/23

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.106+/-0.037 χ^2/NDF: 2243149.1/29

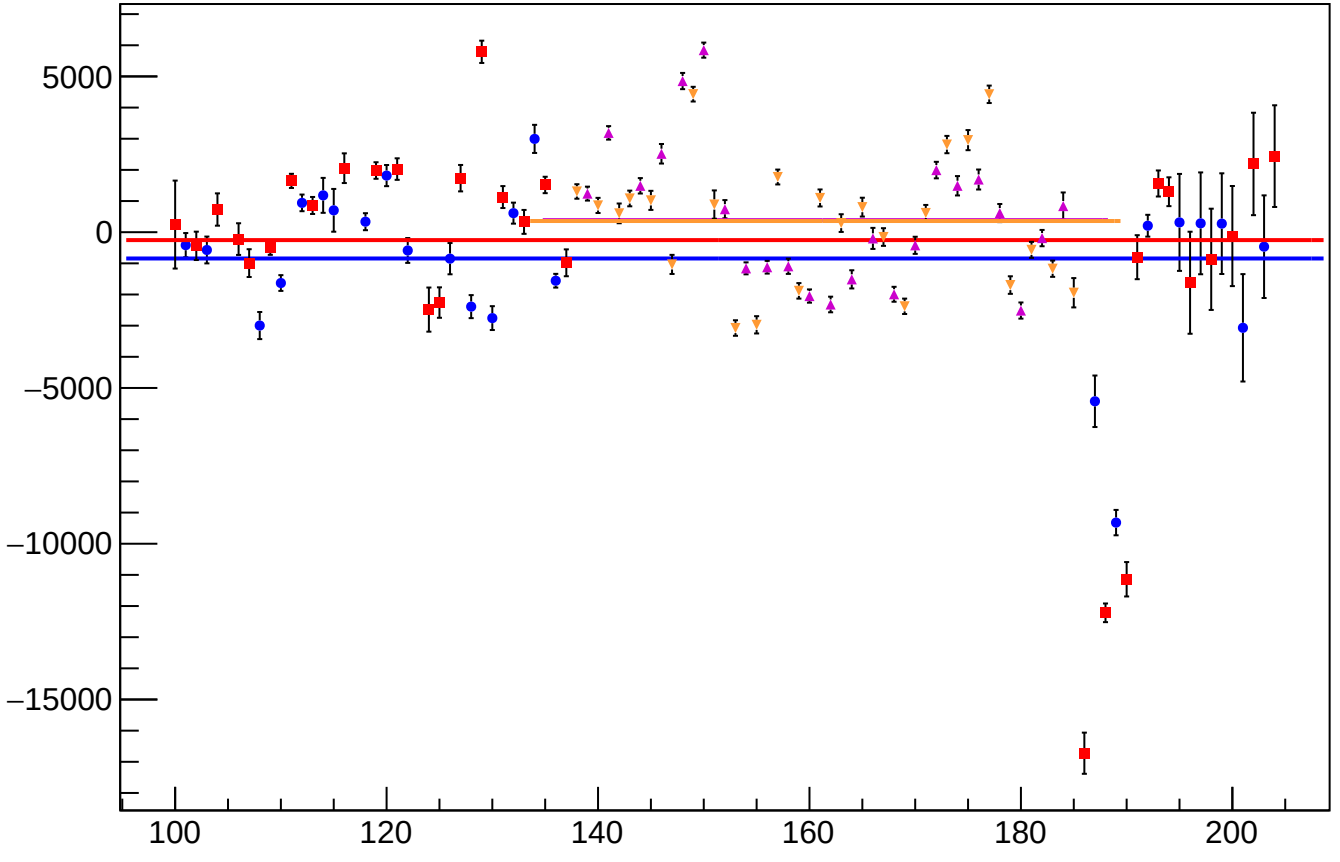
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.328+/-0.026 χ^2/NDF: 2280917.5/48

All: 201.313+/-0.018 χ^2/NDF: 5397891.2/101

- sign 196.819+/-0.025 χ^2/NDF: 3047940.2/52

asym_bpm0i07WS_mean vs Slug



Right In: -843.965+/-81.486 χ^2/NDF: 799.5/23

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -253.715+/-73.797 χ^2/NDF: 3273.9/29

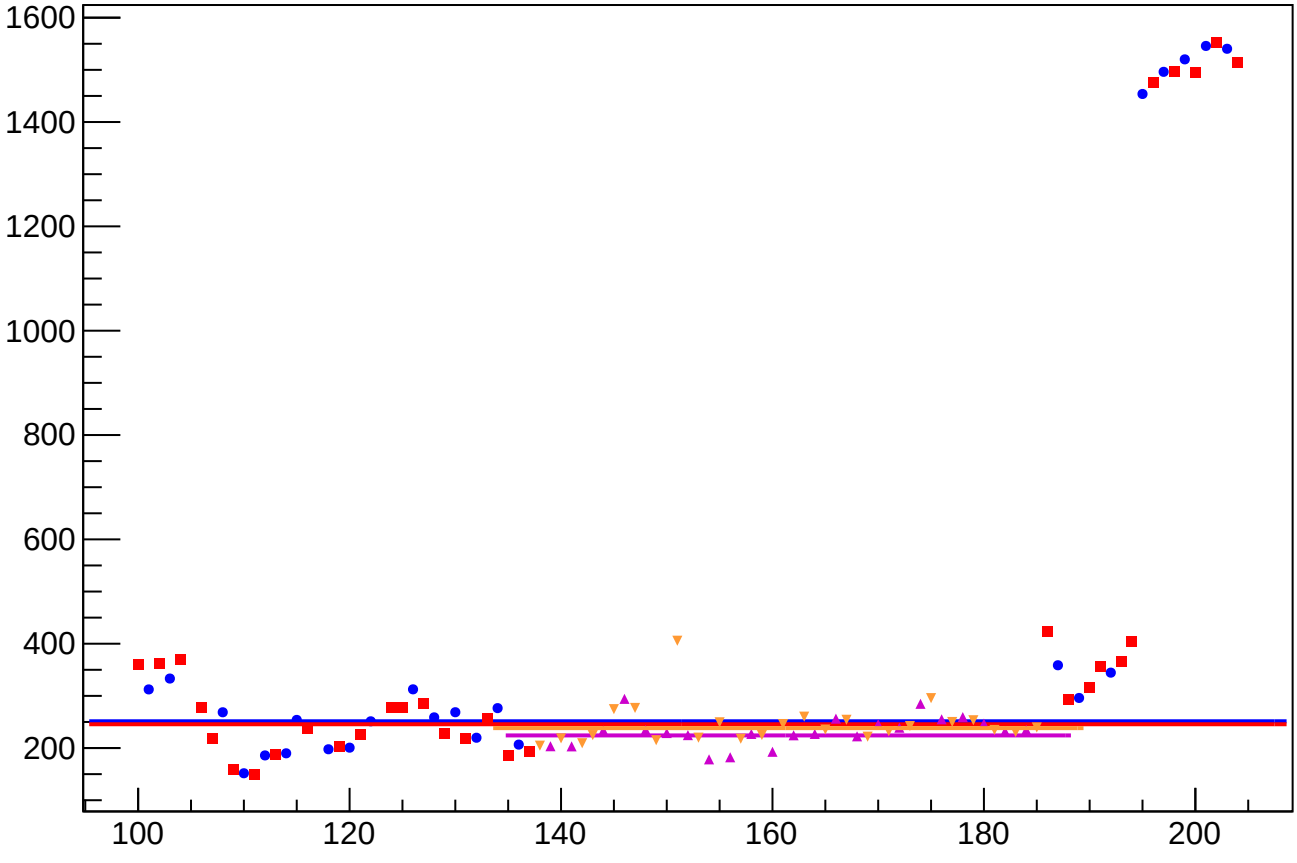
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

\+ sign -17.652+/-45.583 χ^2/NDF: 2368.0/48

All: 78.866+/-31.405 χ^2/NDF: 7504.0/101

\- sign 166.079+/-43.330 χ^2/NDF: 5127.4/52

asym_bpm0i07WS_rms vs Slug



Right In: 251.328+/-0.058 χ^2/NDF: 6981863.3/23

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 245.632+/-0.052 χ^2/NDF: 7960482.4/29

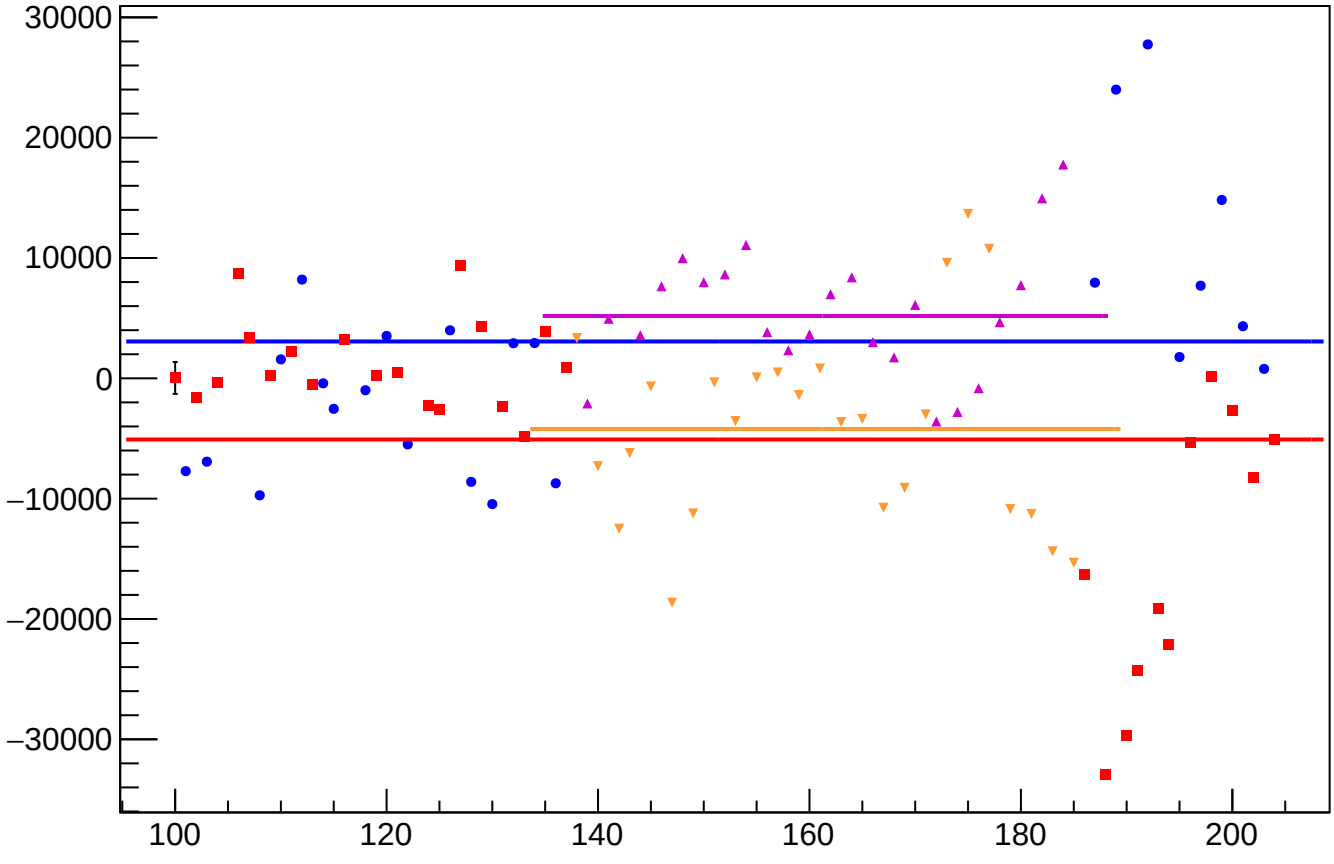
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 242.308+/-0.032 χ^2/NDF: 7585472.3/48

All: 236.681+/-0.022 χ^2/NDF: 16277610.4/10

- sign 231.596+/-0.031 χ^2/NDF: 8634125.2/52

asym_bpm1i02WS_mean vs Slug



Right In: 3062.327+/-36.883 χ^2/NDF: 75849.4/23

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5083.887+/-34.063 χ^2/NDF: 102886.4/29

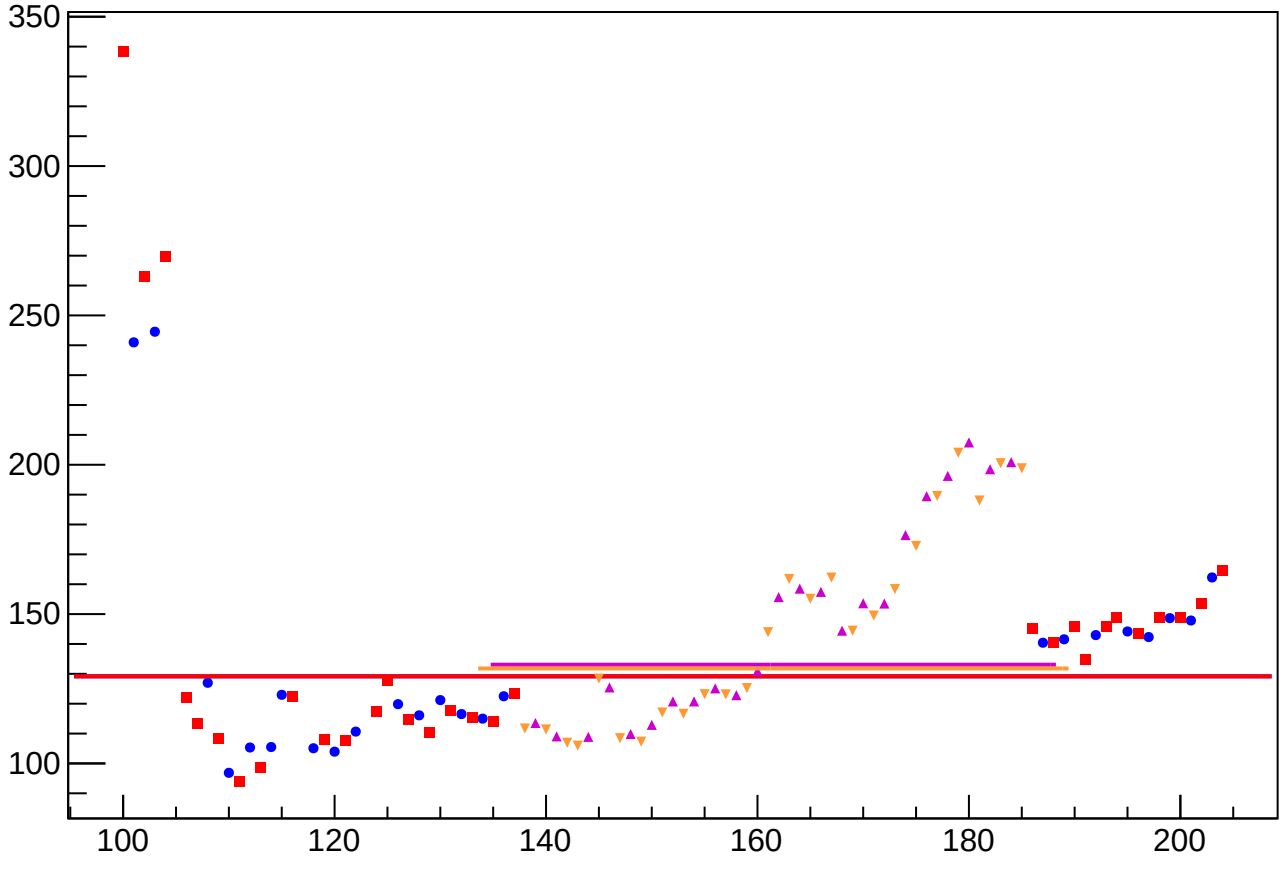
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1219.346+/-23.654 χ^2/NDF: 155543.0/48

All: -411.952+/-16.603 χ^2/NDF: 327523.8/10

- sign 372.188+/-23.311 χ^2/NDF: 169684.1/52

asym_bpm1i02WS_rms vs Slug



Right In: 129.161+/-0.026 χ^2/NDF: 1027670.8/23

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 129.166+/-0.024 χ^2/NDF: 1330943.5/29

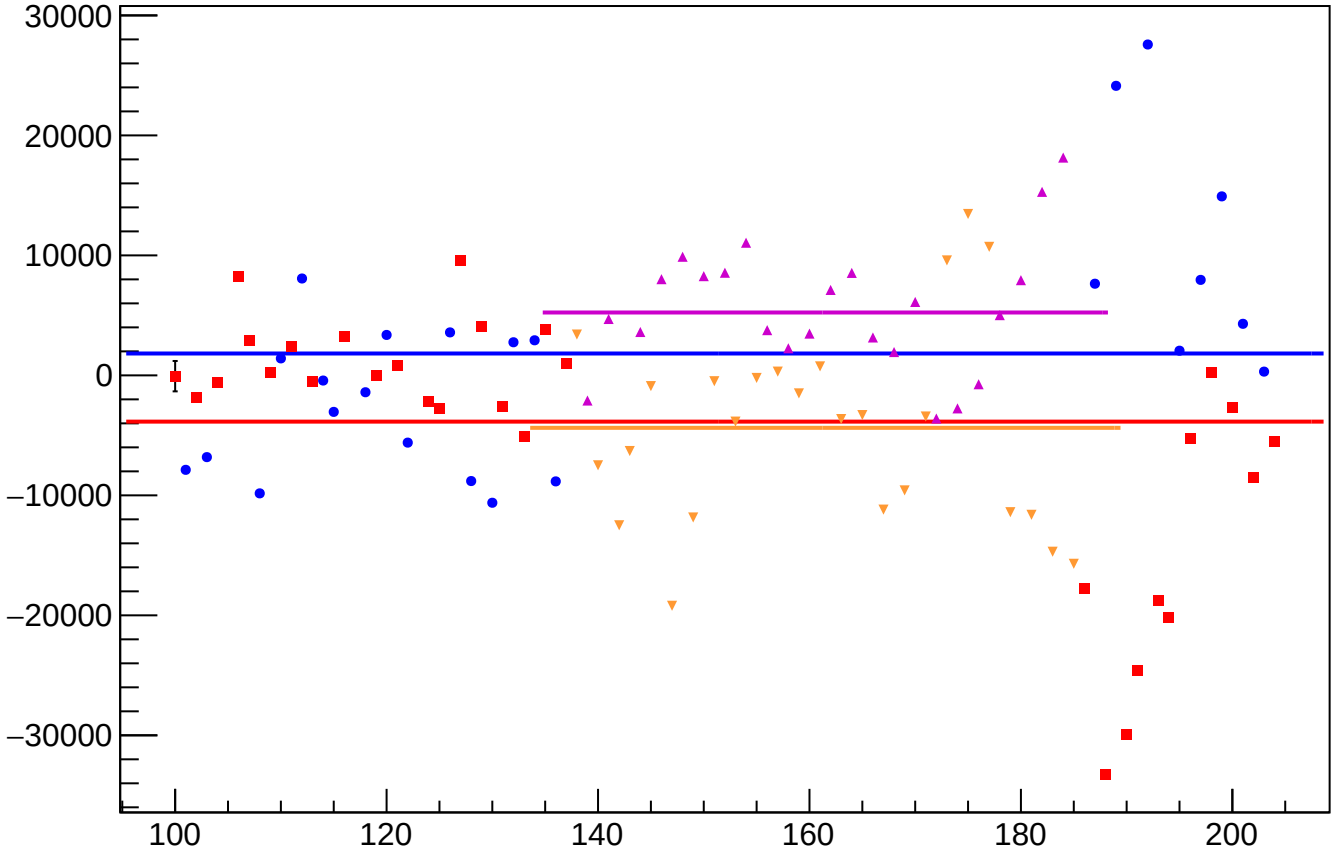
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 130.713+/-0.017 χ^2/NDF: 2578028.9/48

All: 130.979+/-0.012 χ^2/NDF: 5341625.7/101

- sign 131.237+/-0.016 χ^2/NDF: 2763098.7/52

asym_bpm1i04WS_mean vs Slug



Right In: 1823.067+/-33.004 χ^2/NDF: 82842.5/23

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -3855.078+/-30.713 χ^2/NDF: 110718.9/29

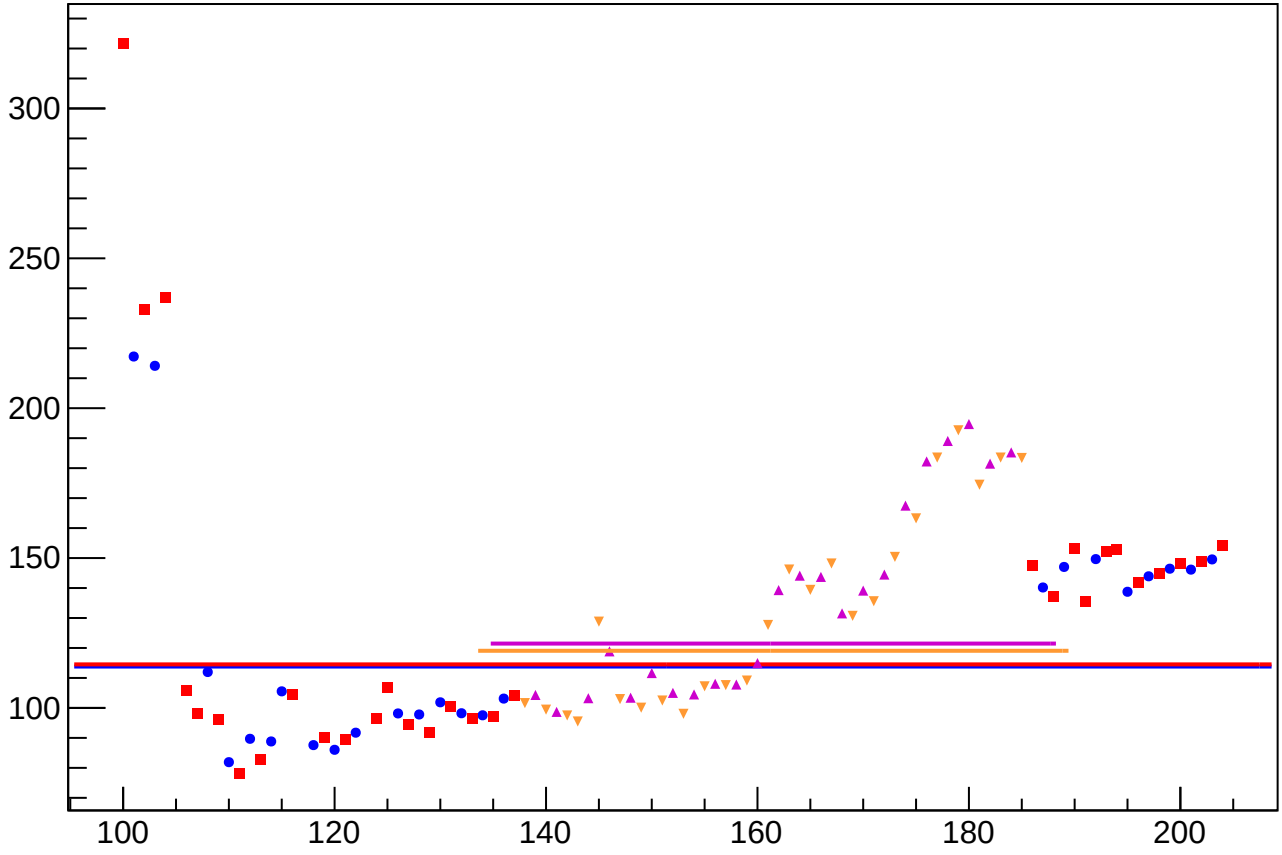
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -1784.525+/-21.332 χ^2/NDF: 170580.8/48

All: -425.833+/-15.030 χ^2/NDF: 357610.8/10

- sign 913.837+/-21.182 χ^2/NDF: 178973.0/52

asym_bpm1i04WS_rms vs Slug



Right In: 113.806+/-0.023 χ^2/NDF: 1634998.0/23

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 114.527+/-0.022 χ^2/NDF: 2123991.4/29

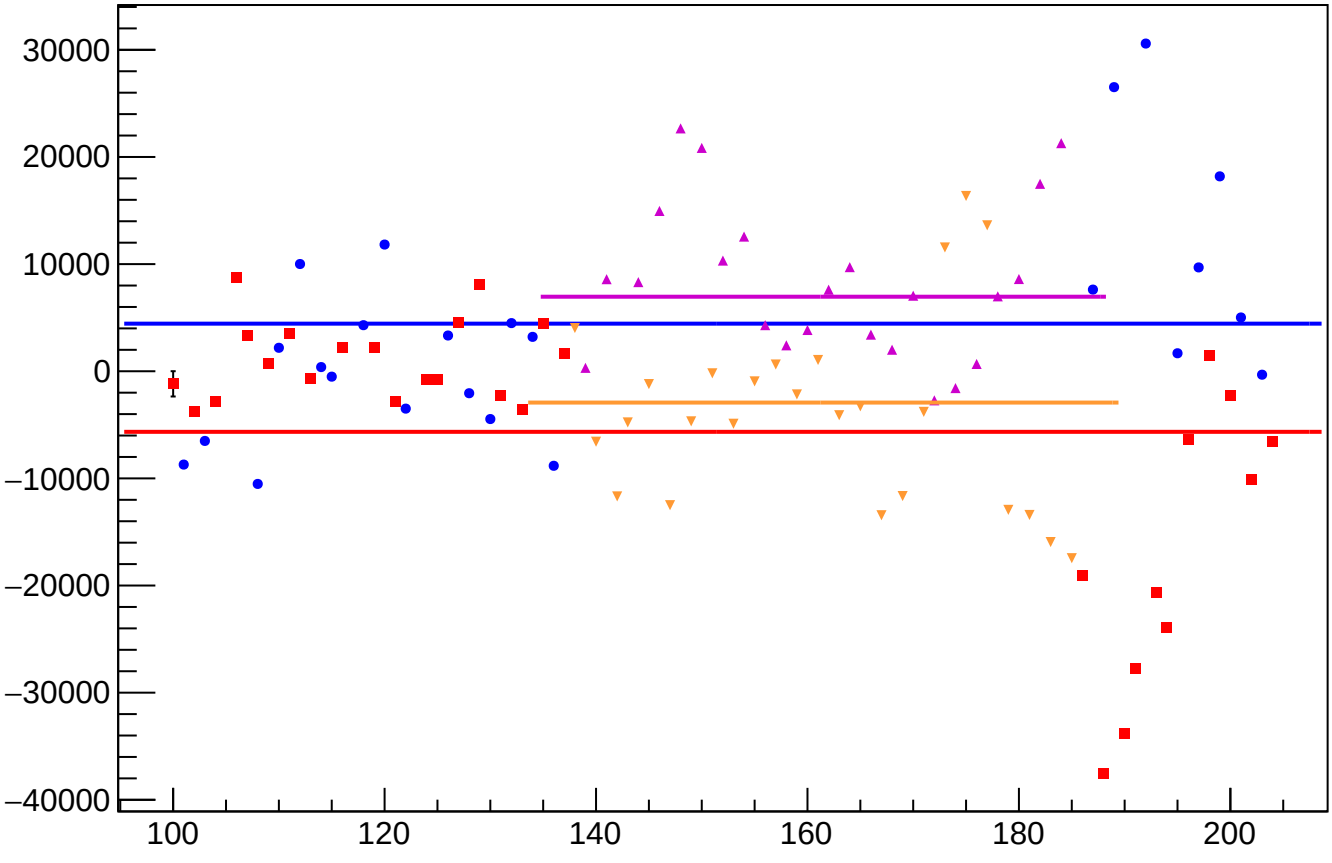
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 116.868+/-0.015 χ^2/NDF: 3419983.8/48

All: 117.522+/-0.011 χ^2/NDF: 7130647.3/101

- sign 118.167+/-0.015 χ^2/NDF: 3706930.3/52

asym_bpm1i06WS_mean vs Slug



Right In: 4442.442+/-43.389 χ^2/NDF: 60916.8/23

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -5654.318+/-40.416 χ^2/NDF: 92459.6/29

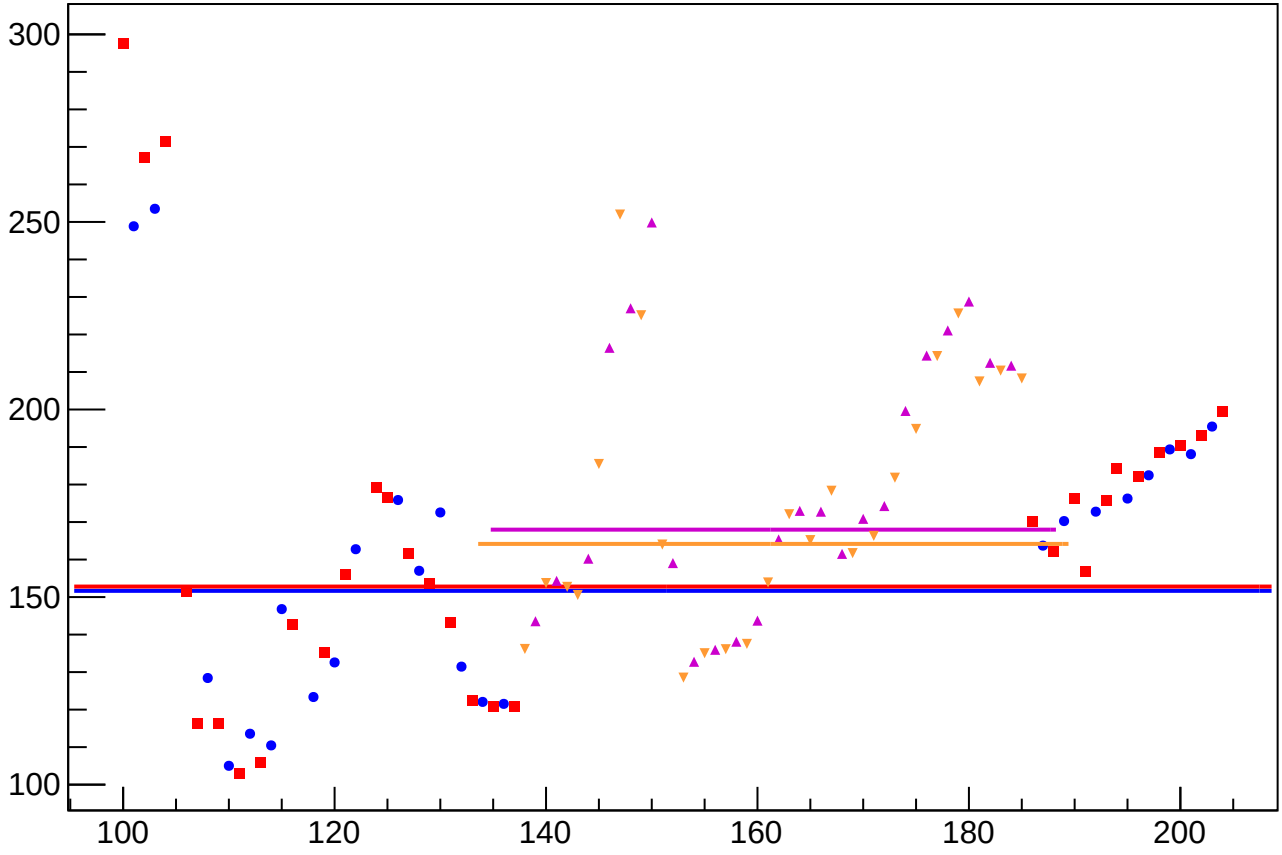
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign 291.742+/-28.665 χ^2/NDF: 115208.7/48

All: 485.895+/-20.217 χ^2/NDF: 278987.6/101

- sign 678.061+/-28.518 χ^2/NDF: 163687.6/52

asym_bpm1i06WS_rms vs Slug



Right In: 151.661+/-0.031 χ^2/NDF: 1304624.7/23

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 152.804+/-0.029 χ^2/NDF: 1614577.2/29

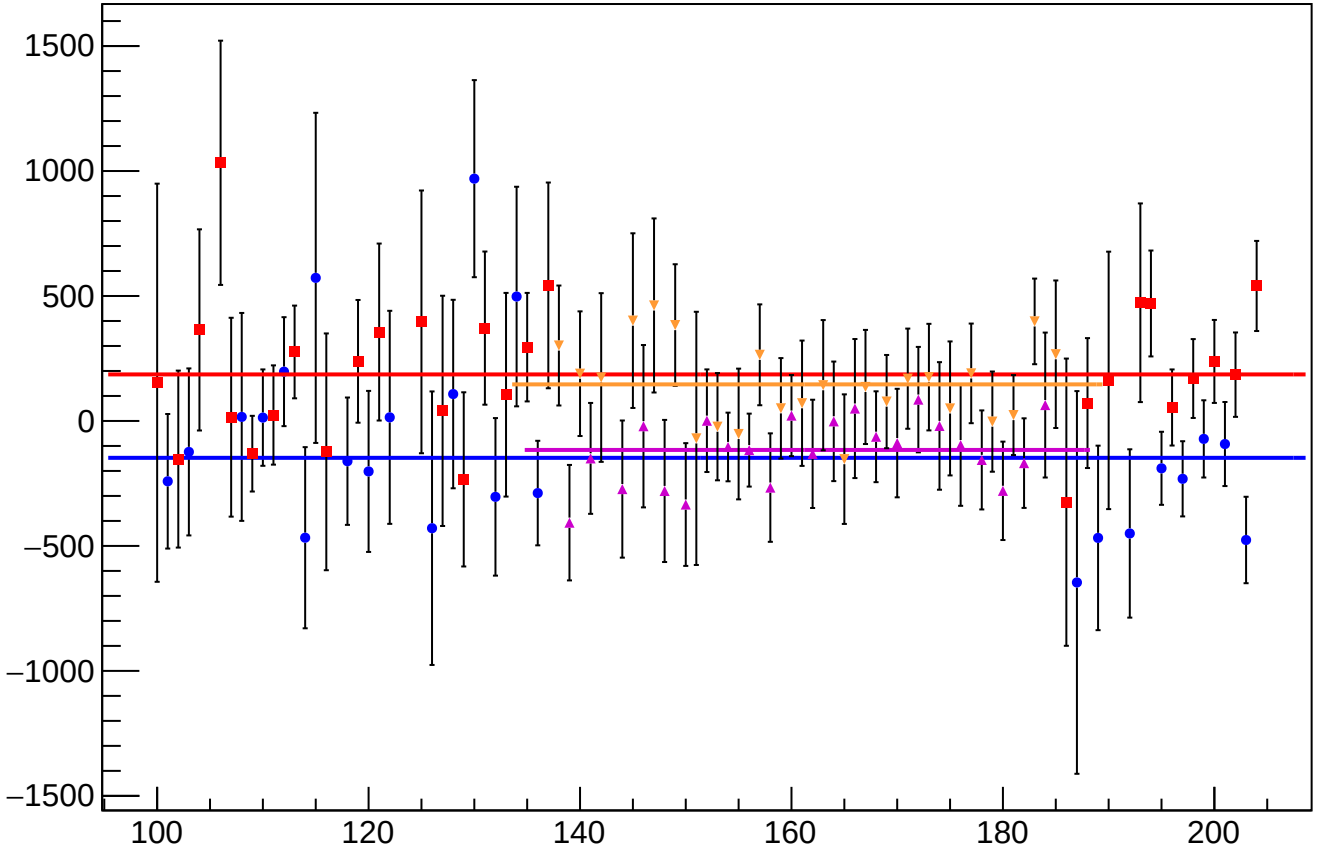
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 158.711+/-0.020 χ^2/NDF: 2622747.0/48

All: 159.571+/-0.014 χ^2/NDF: 5605156.3/101

- sign 160.422+/-0.020 χ^2/NDF: 2978831.7/52

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -147.523+/-50.545 χ^2/NDF: 23.6/23

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 186.204+/-47.176 χ^2/NDF: 21.4/27

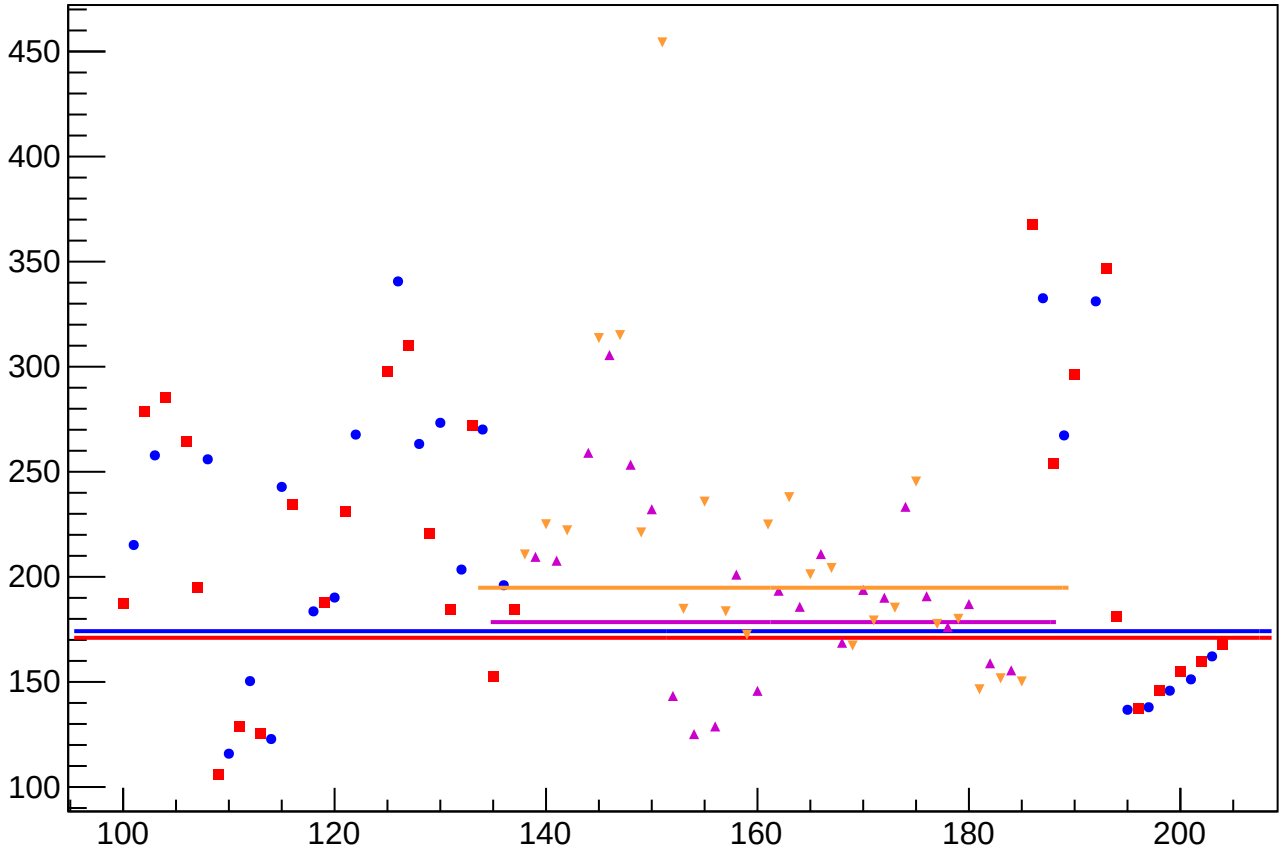
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign 10.301+/-34.391 χ^2/NDF: 51.7/47

All: 17.235+/-23.435 χ^2/NDF: 102.9/98

- sign 23.246+/-32.021 χ^2/NDF: 51.2/50

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 174.160+/-0.036 χ^2/NDF: 2187496.3/23

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 171.006+/-0.033 χ^2/NDF: 2722285.2/27

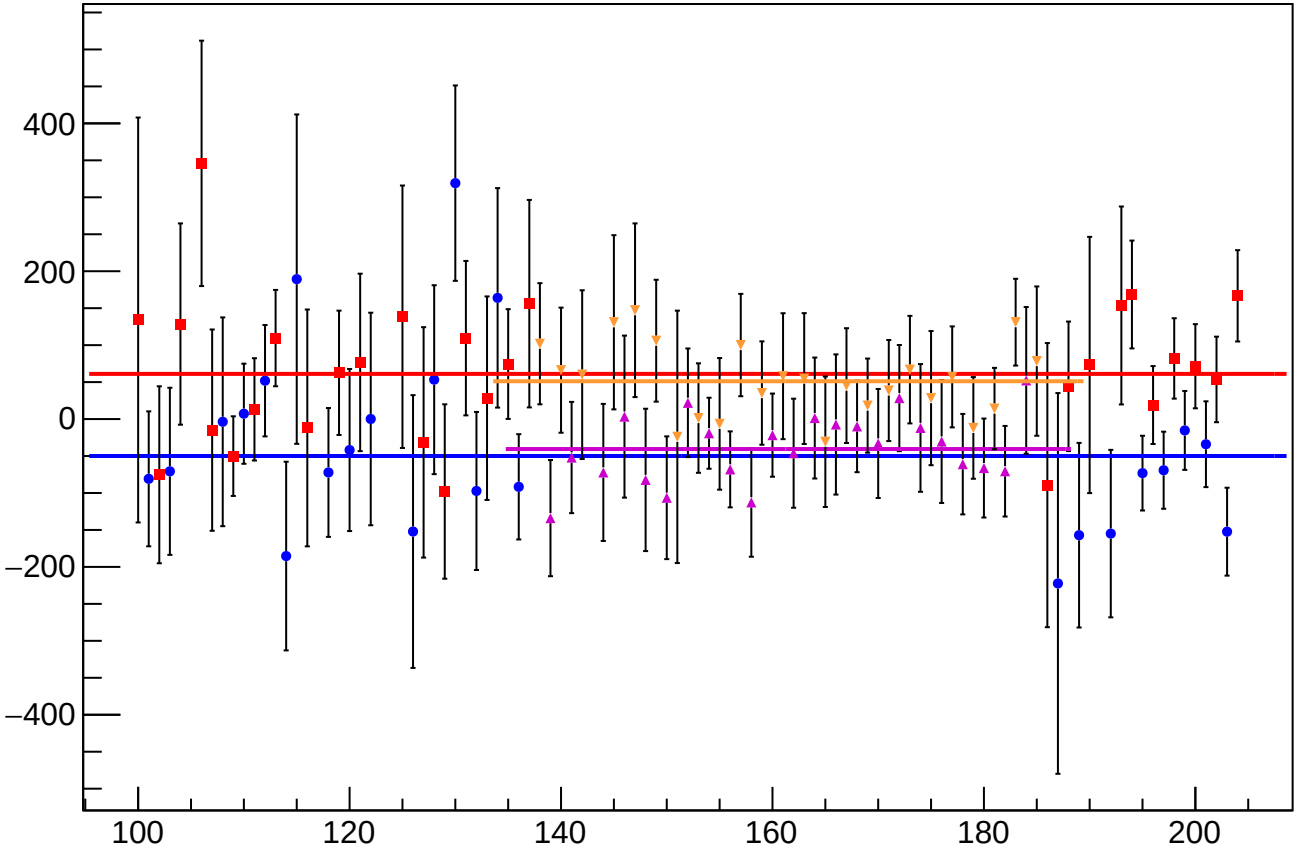
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 185.260+/-0.024 χ^2/NDF: 4119572.6/47

All: 179.782+/-0.017 χ^2/NDF: 8639874.7/98

- sign 175.034+/-0.023 χ^2/NDF: 4425590.4/50

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -49.952+/-17.374 χ^2/NDF: 22.5/23

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 61.109+/-16.245 χ^2/NDF: 20.6/27

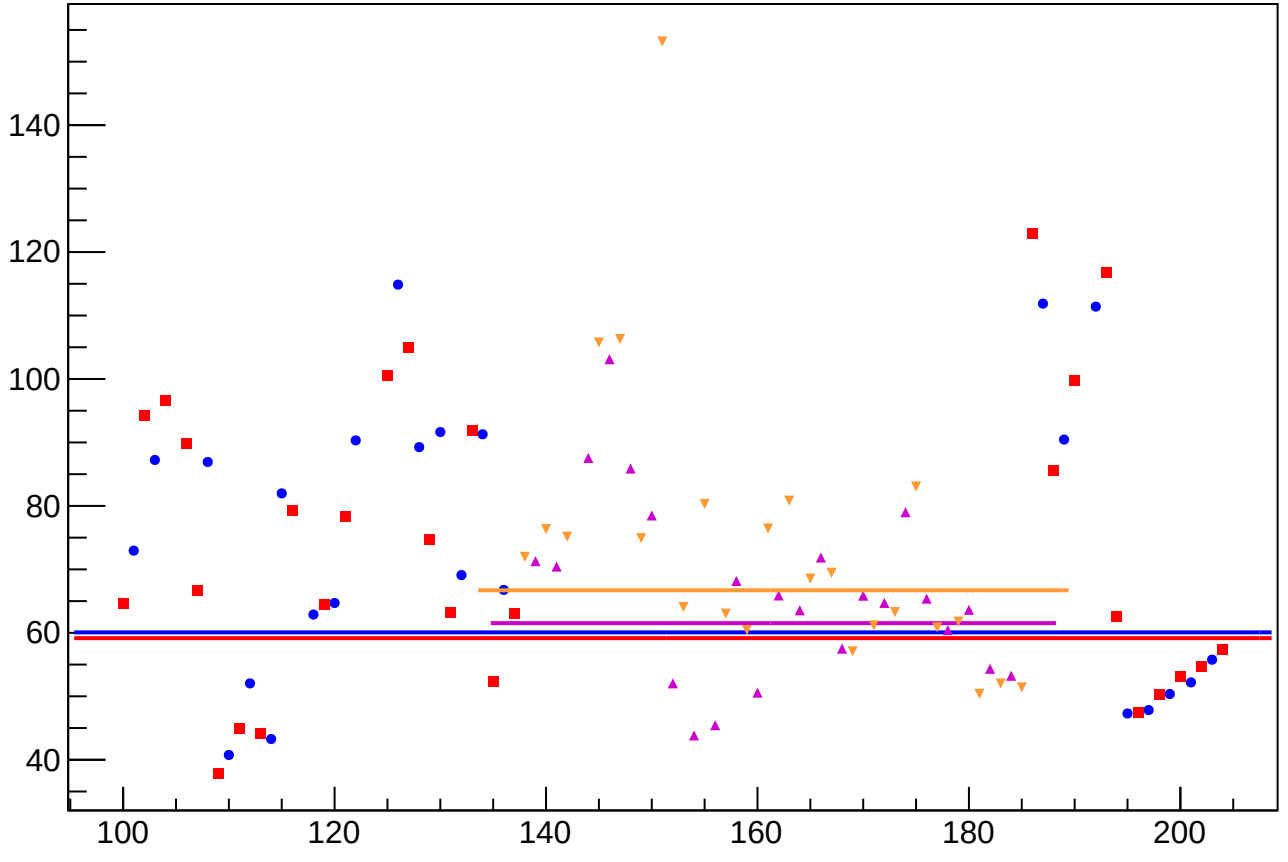
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign 4.644+/-11.784 χ^2/NDF: 48.9/47

All: 5.457+/-8.046 χ^2/NDF: 98.5/98

- sign 6.166+/-11.012 χ^2/NDF: 49.6/50

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 60.074+/-0.012 χ^2/NDF: 2038178.0/23

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 59.164+/-0.011 χ^2/NDF: 2518413.1/27

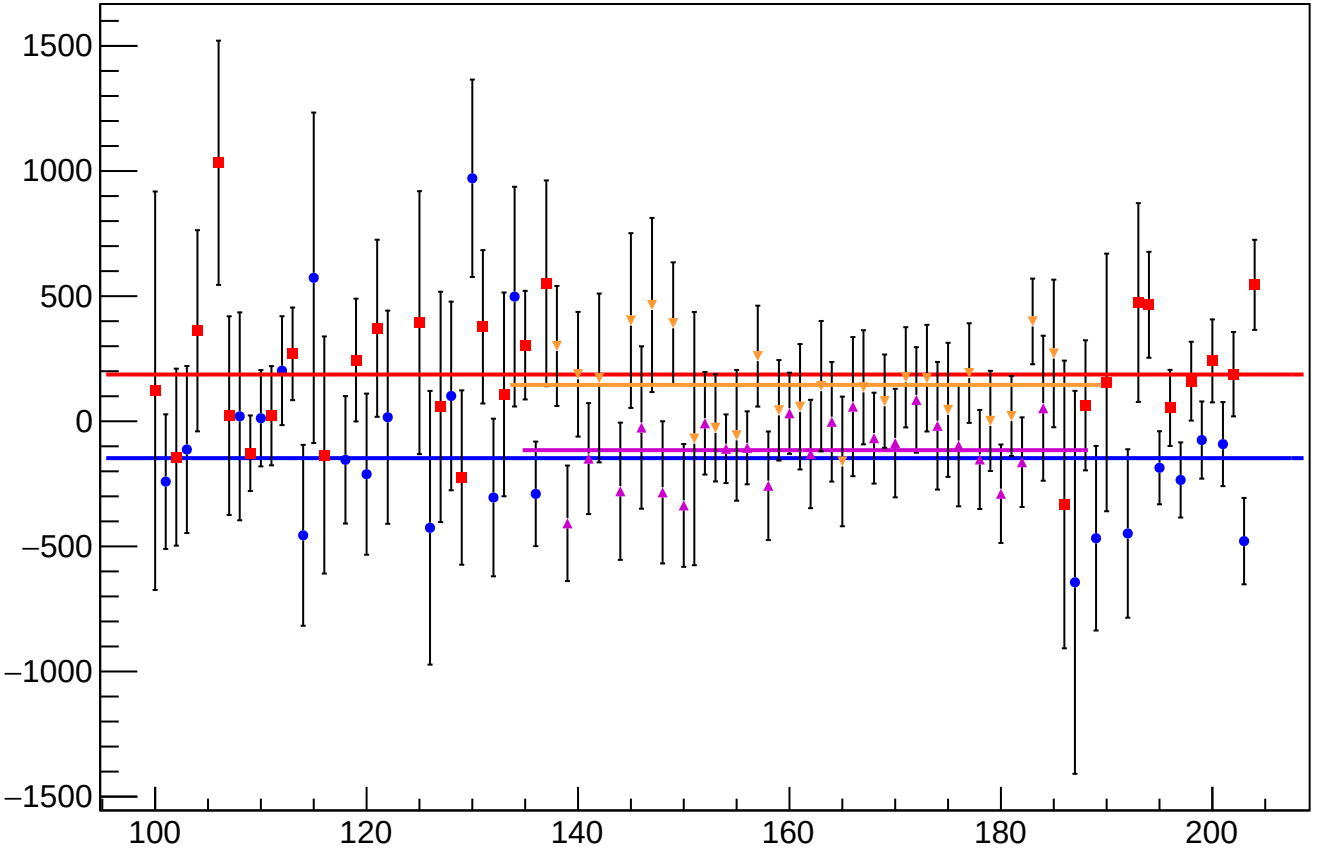
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 63.653+/-0.008 χ^2/NDF: 3871734.5/47

All: 61.939+/-0.006 χ^2/NDF: 7982199.3/98

- sign 60.442+/-0.008 χ^2/NDF: 4031180.1/50

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -147.312+/-50.478 χ^2/NDF: 23.7/23

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 186.864+/-47.117 χ^2/NDF: 21.6/27

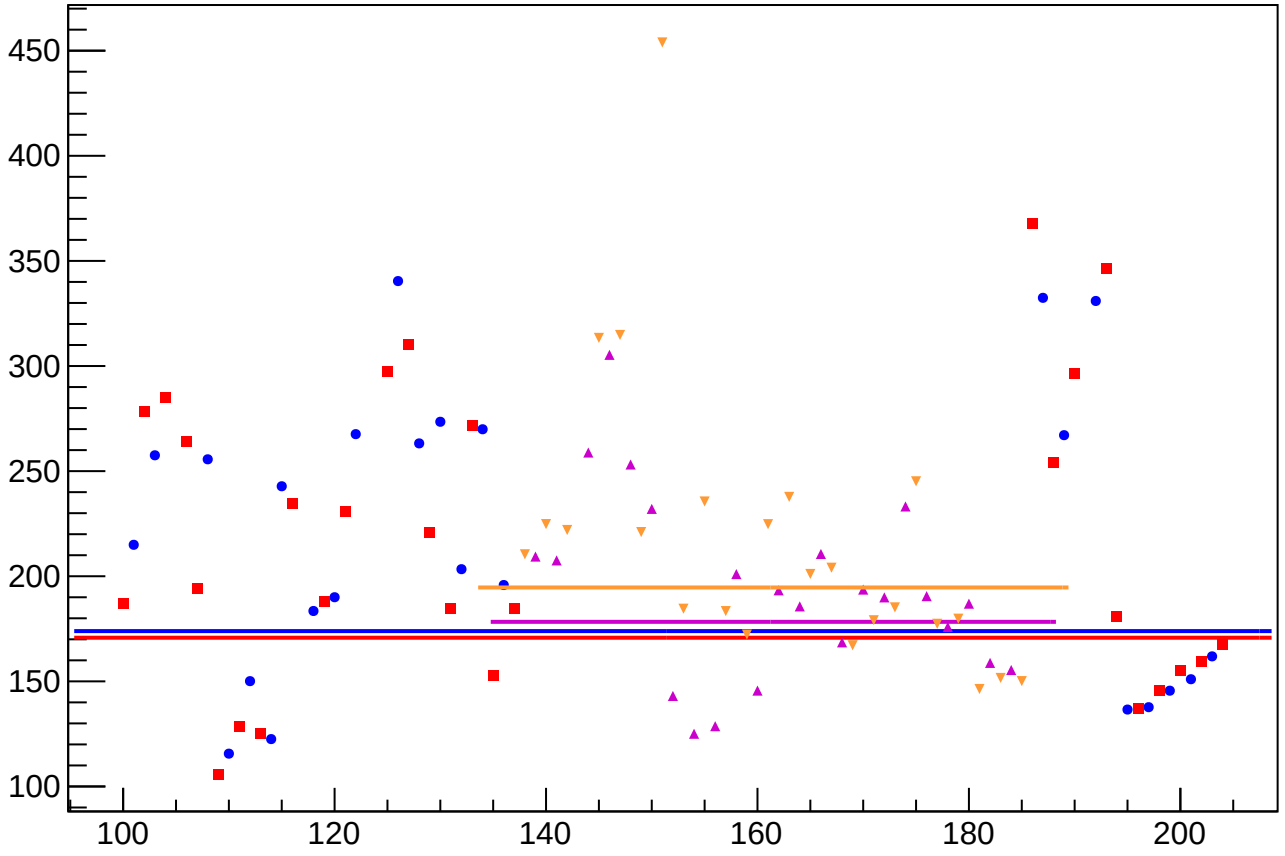
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 9.860+/-34.354 χ^2/NDF: 52.0/47

All: 17.367+/-23.411 χ^2/NDF: 103.6/98

- sign 23.875+/-31.988 χ^2/NDF: 51.5/50

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 173.906+/-0.036 χ^2/NDF: 2194188.9/23

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 170.764+/-0.033 χ^2/NDF: 2730548.5/27

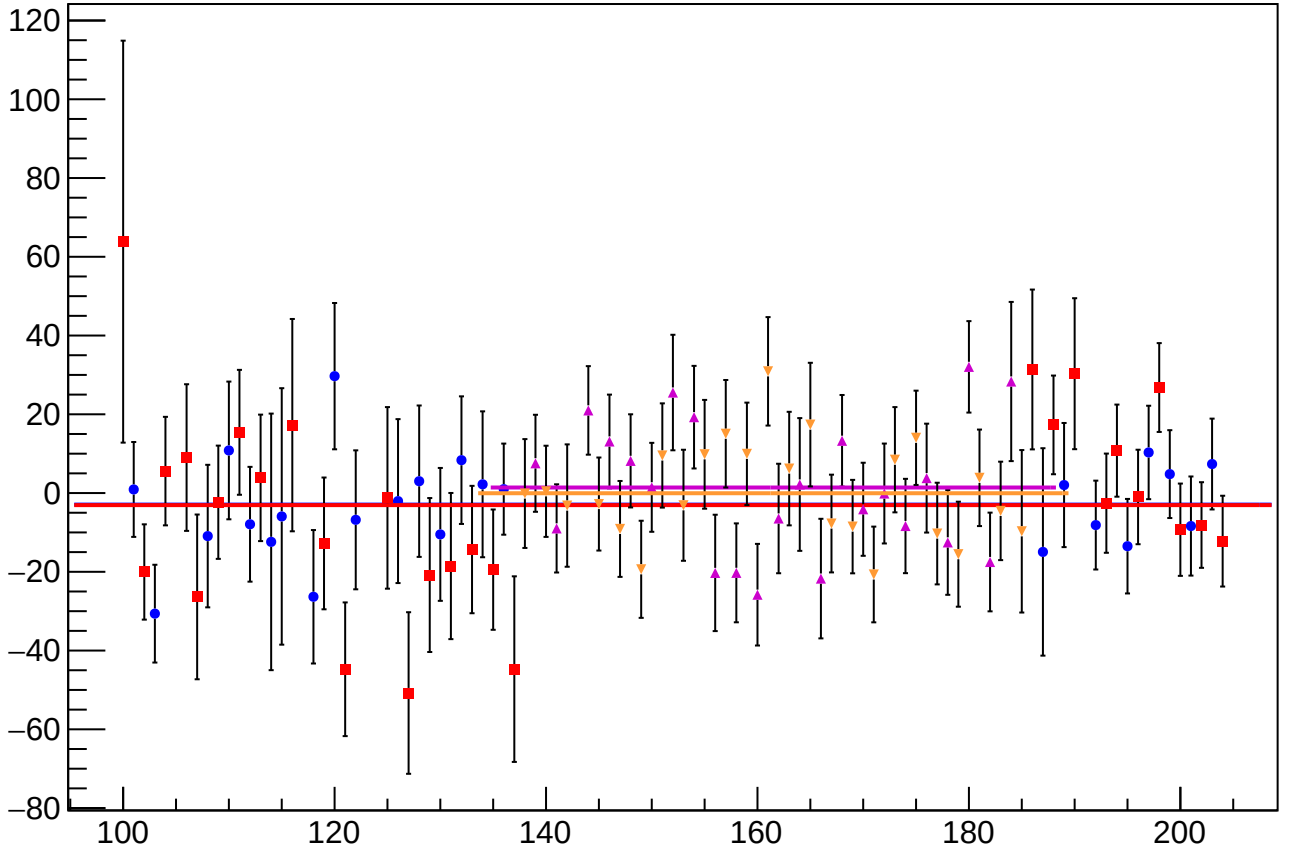
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 185.046+/-0.024 χ^2/NDF: 4128785.1/47

All: 179.578+/-0.017 χ^2/NDF: 8660009.9/98

- sign 174.836+/-0.023 χ^2/NDF: 4436598.0/50

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -2.937+/-3.045 χ^2/NDF: 16.1/23

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -3.065+/-2.867 χ^2/NDF: 44.0/27

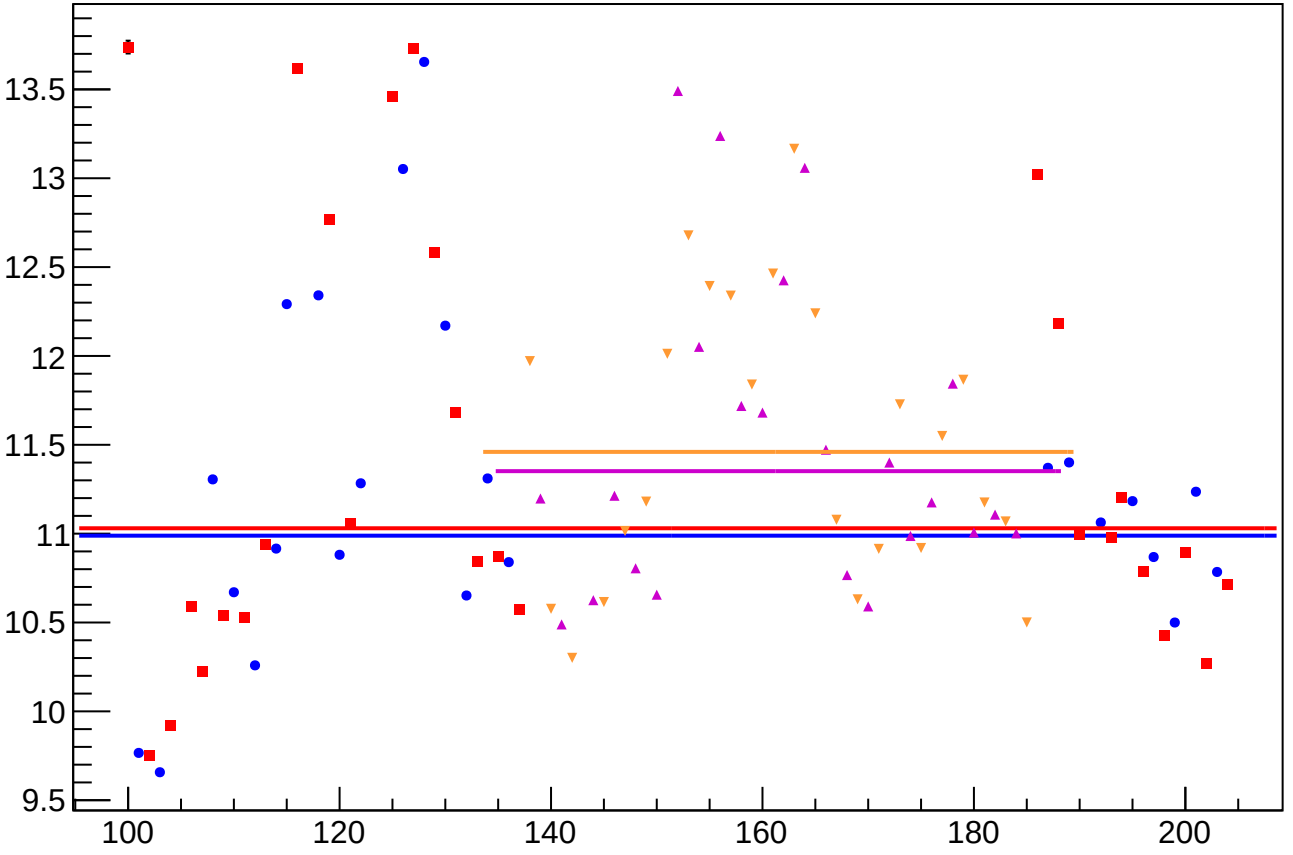
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.311+/-2.014 χ^2/NDF: 37.1/47

All: -0.983+/-1.403 χ^2/NDF: 118.8/98

- sign -0.673+/-1.956 χ^2/NDF: 81.7/50

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.989+/-0.002 χ^2/NDF: 144014.2/23

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.030+/-0.002 χ^2/NDF: 217452.9/27

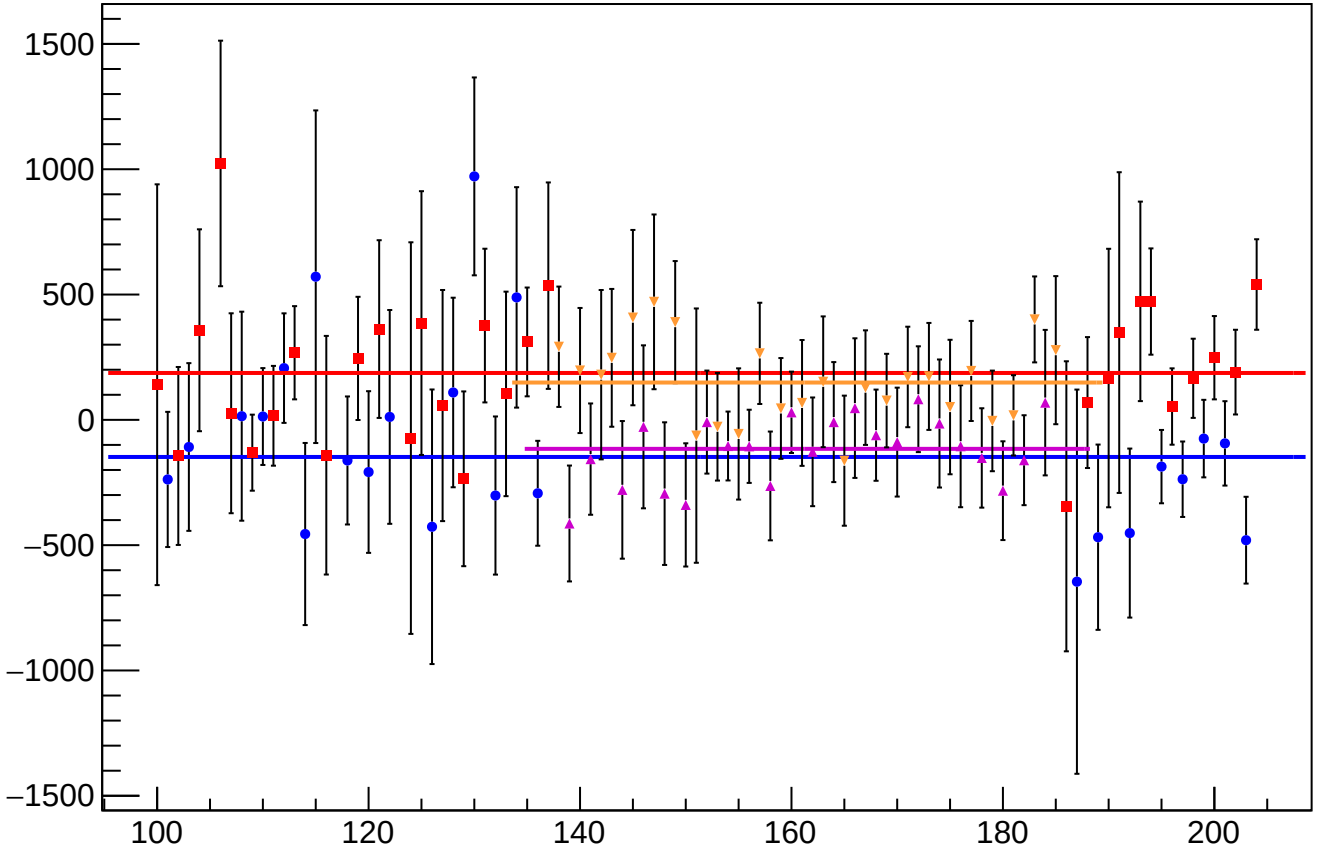
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.254+/-0.001 χ^2/NDF: 321420.4/47

All: 11.227+/-0.001 χ^2/NDF: 723557.6/98

- sign 11.202+/-0.001 χ^2/NDF: 401459.7/50

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -148.072+/-50.617 χ^2/NDF: 23.7/23

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 187.095+/-47.036 χ^2/NDF: 21.7/29

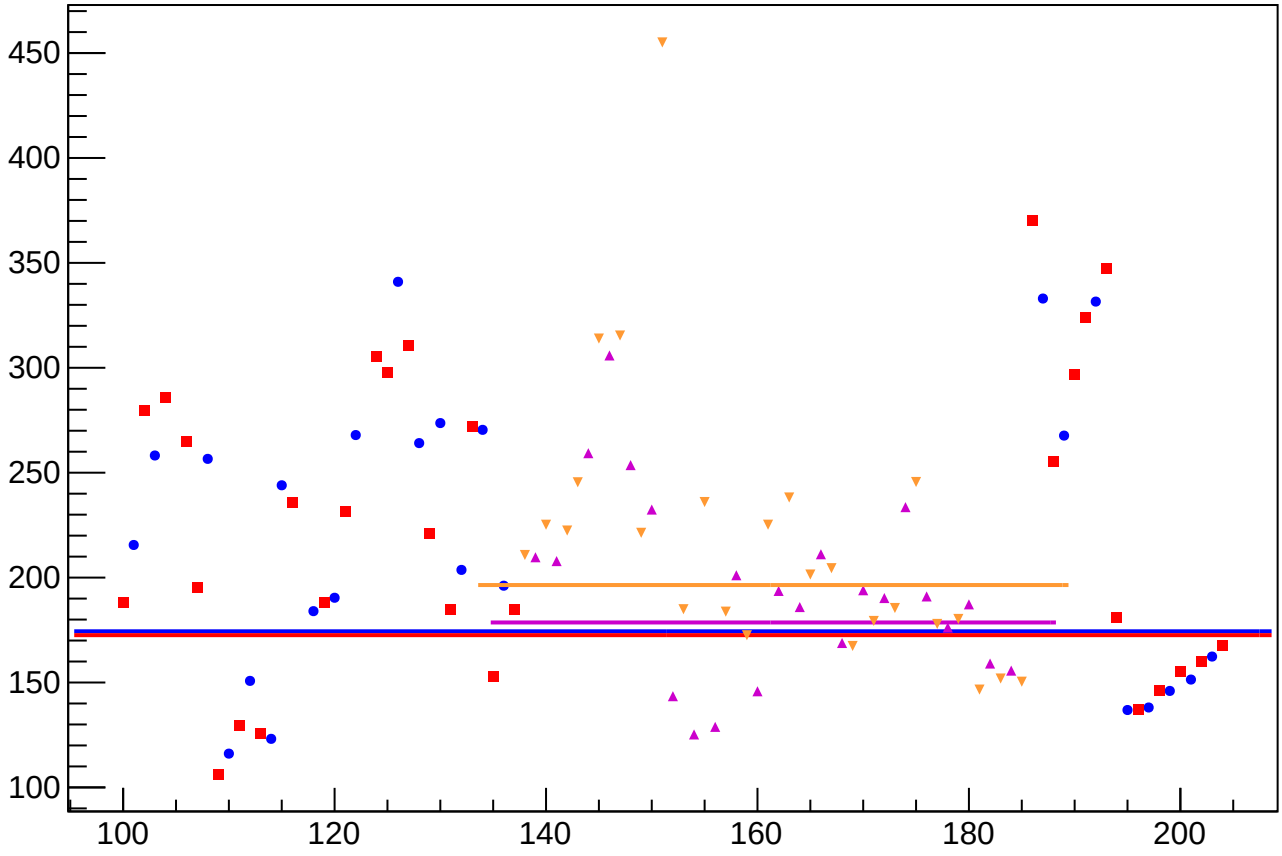
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 13.598+/-34.166 χ^2/NDF: 52.9/48

All: 19.339+/-23.352 χ^2/NDF: 104.7/101

- sign 24.372+/-31.992 χ^2/NDF: 51.7/52

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 174.404+/-0.036 χ^2/NDF: 2188481.3/23

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 172.566+/-0.033 χ^2/NDF: 2898741.0/29

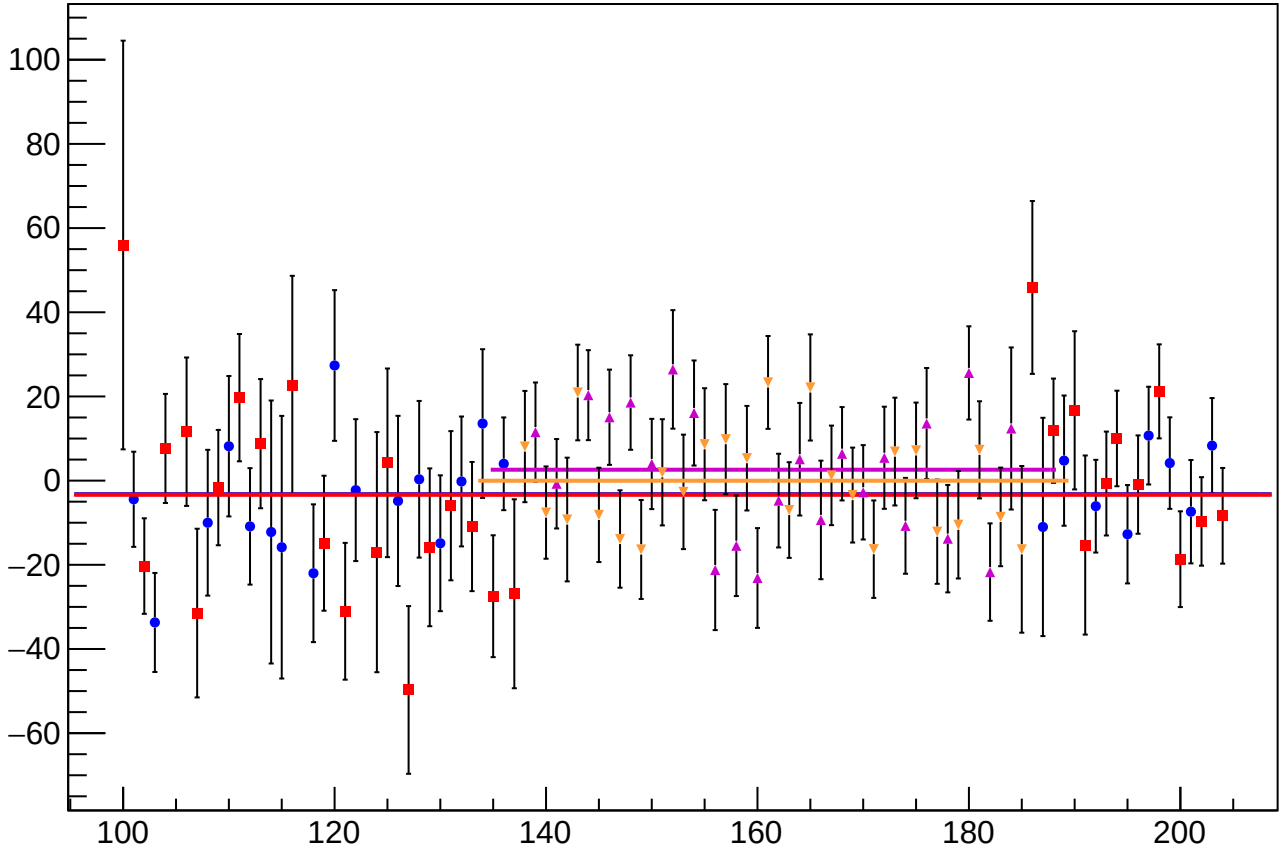
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 186.408+/-0.024 χ^2/NDF: 4213843.2/48

All: 180.764+/-0.017 χ^2/NDF: 8911637.7/101

- sign 175.816+/-0.023 χ^2/NDF: 4595372.2/52

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -3.222+/-2.936 χ^2/NDF: 18.2/23

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.357+/-2.733 χ^2/NDF: 42.3/29

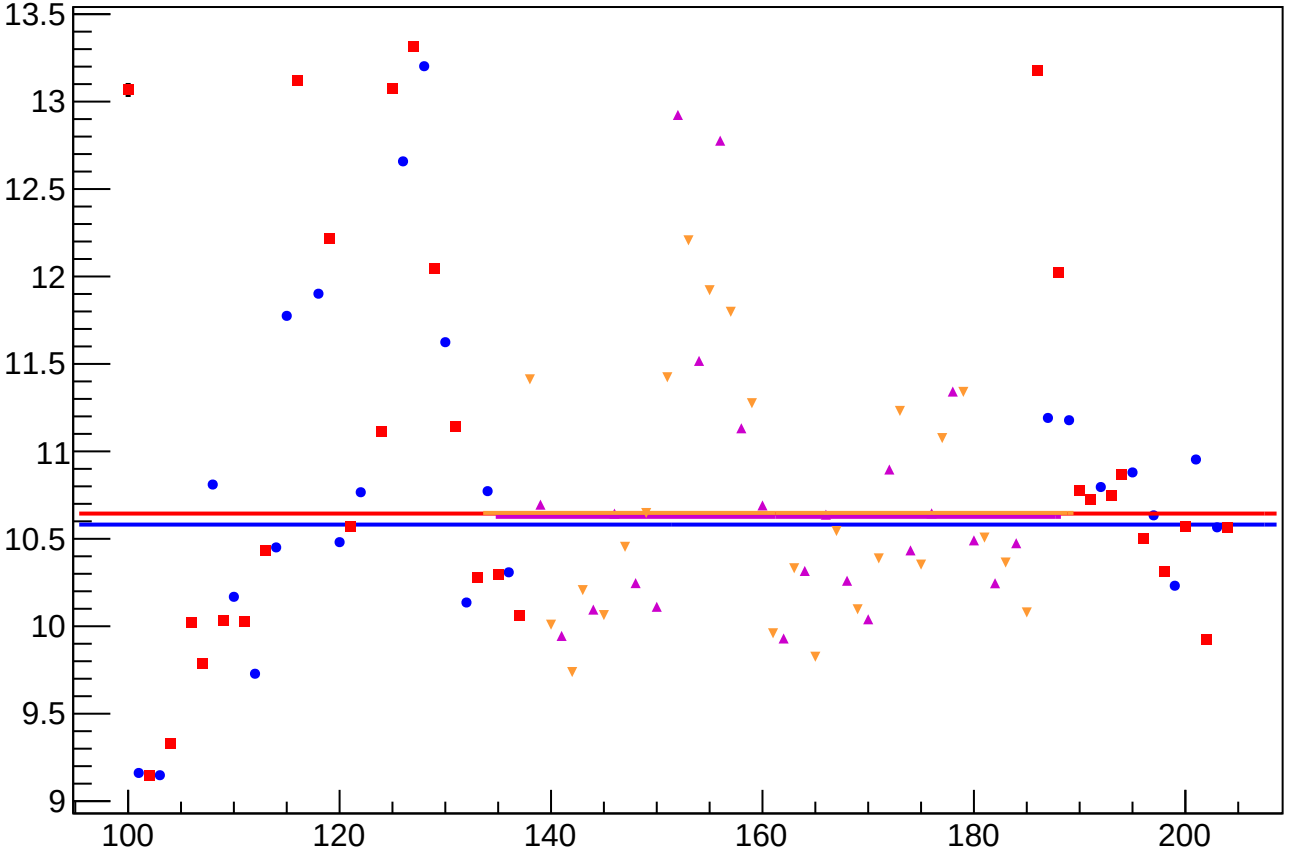
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

\+ sign -1.329+/-1.879 χ^2/NDF: 42.7/48

All: -0.717+/-1.317 χ^2/NDF: 122.5/101

\- sign -0.125+/-1.847 χ^2/NDF: 79.6/52

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.581+/-0.002 χ^2/NDF: 169042.9/23

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.644+/-0.002 χ^2/NDF: 256106.6/29

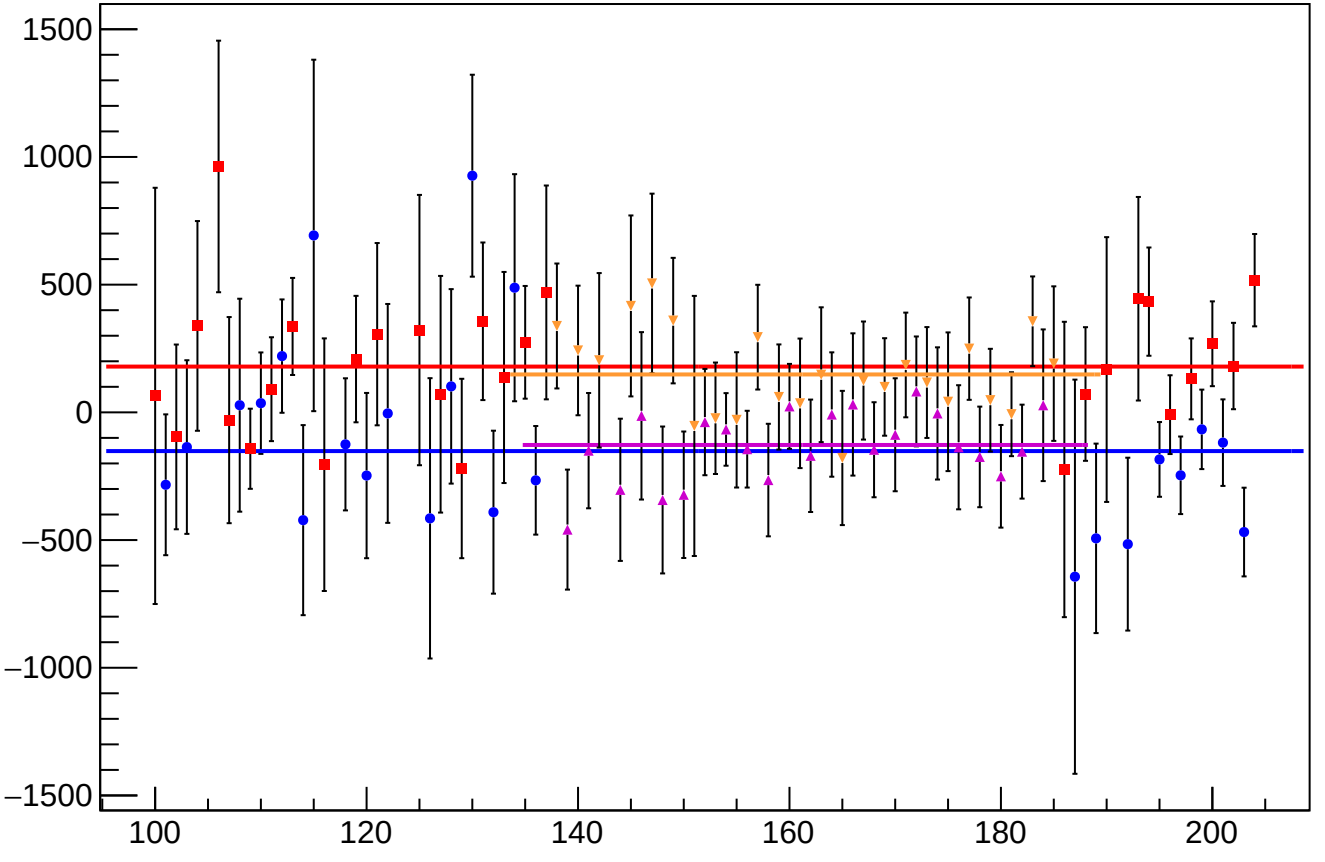
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.621+/-0.001 χ^2/NDF: 313192.4/48

All: 10.628+/-0.001 χ^2/NDF: 728944.2/101

- sign 10.634+/-0.001 χ^2/NDF: 415700.5/52

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -151.619+/-51.085 χ^2/NDF: 23.9/23

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 179.228+/-47.746 χ^2/NDF: 19.7/27

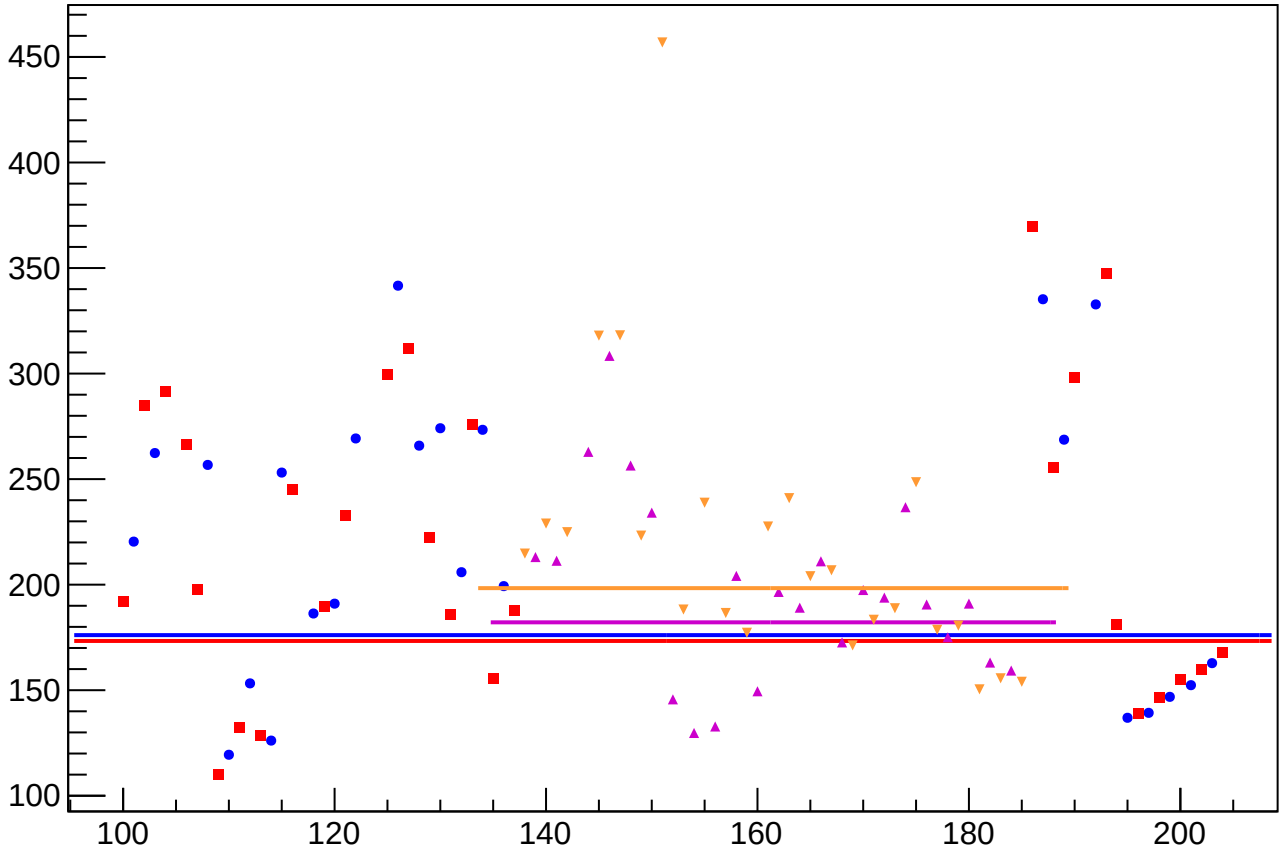
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 8.616+/-34.872 χ^2/NDF: 52.2/47

All: 11.879+/-23.785 χ^2/NDF: 101.9/98

- sign 14.718+/-32.525 χ^2/NDF: 49.7/50

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 176.092+/-0.036 χ^2/NDF: 2176141.6/23

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 173.334+/-0.034 χ^2/NDF: 2660147.4/27

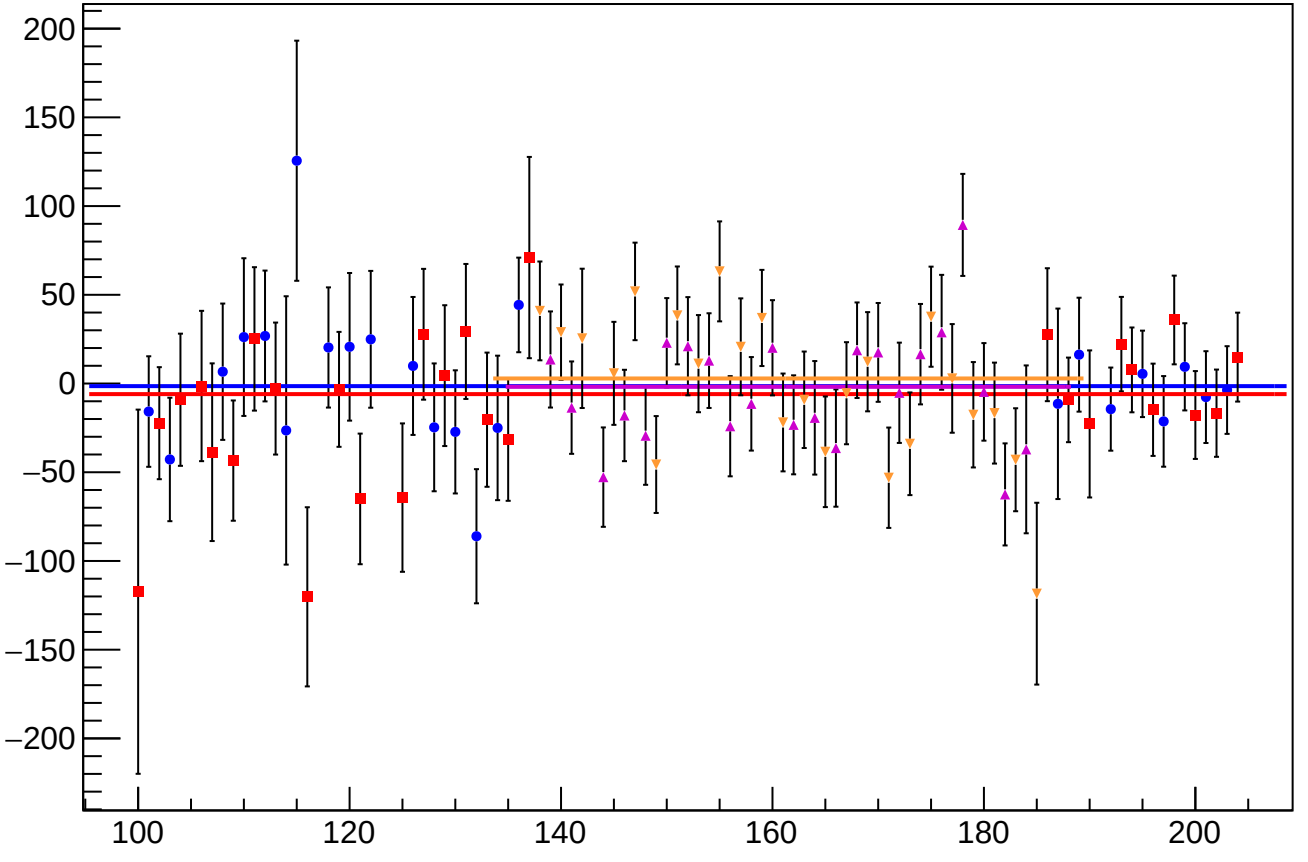
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 187.979+/-0.025 χ^2/NDF: 4075978.7/47

All: 182.674+/-0.017 χ^2/NDF: 8443578.0/98

- sign 178.059+/-0.023 χ^2/NDF: 4281054.2/50

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -1.469+/-6.680 χ^2/NDF: 18.4/23

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -5.966+/-6.235 χ^2/NDF: 24.1/27

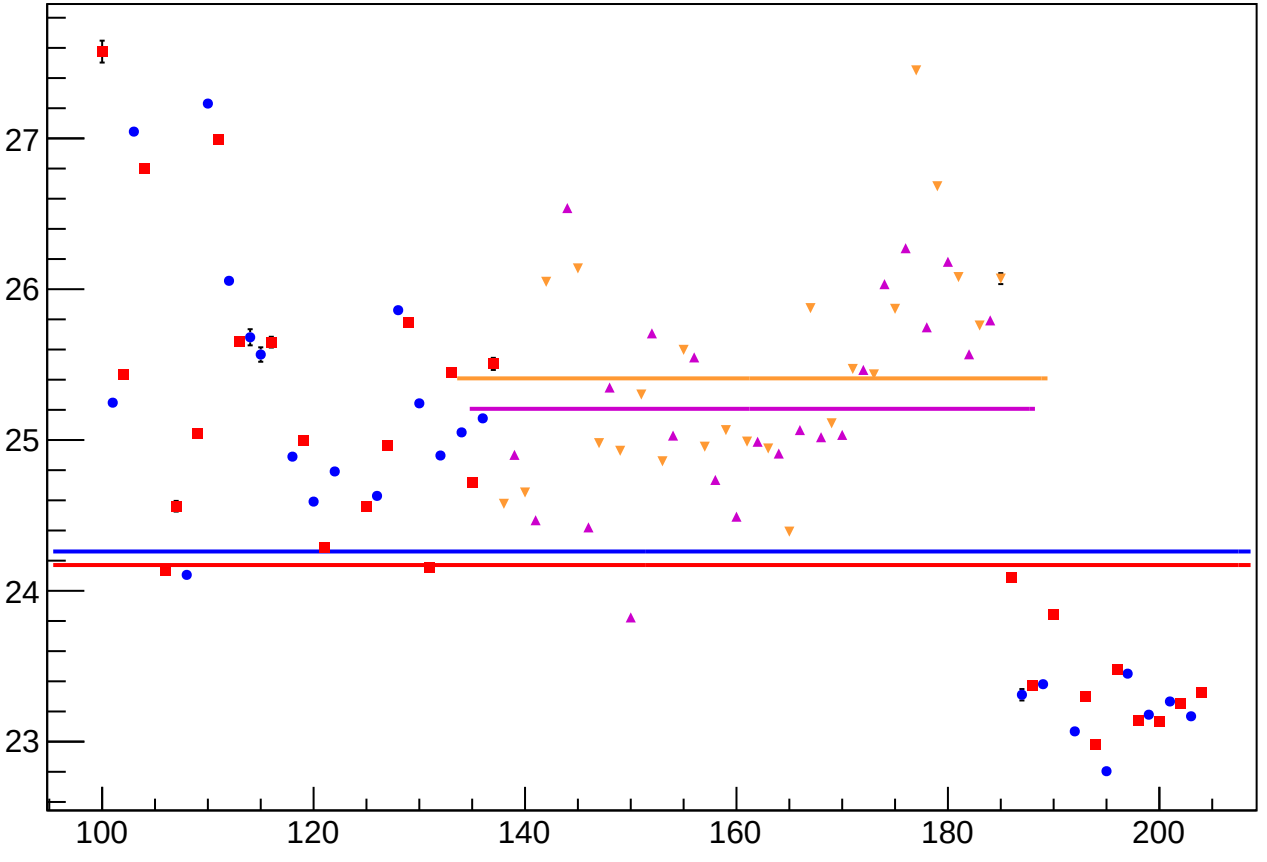
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 0.956+/-4.424 χ^2/NDF: 55.5/47

All: -1.495+/-3.077 χ^2/NDF: 108.5/98

- sign -3.792+/-4.283 χ^2/NDF: 52.4/50

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 24.261+/-0.005 χ^2/NDF: 67639.6/23

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.171+/-0.004 χ^2/NDF: 63922.2/27

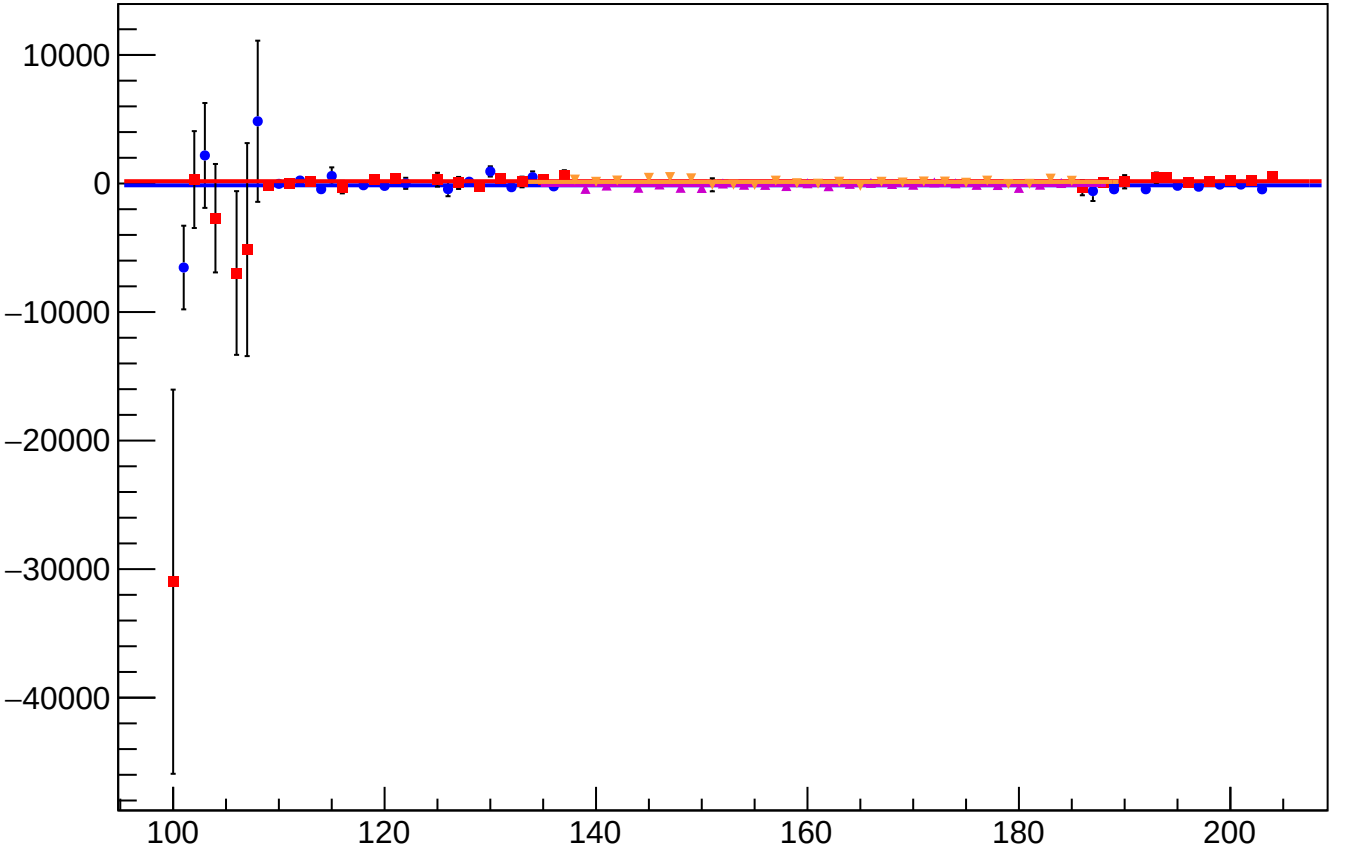
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.905+/-0.003 χ^2/NDF: 127660.5/47

All: 24.809+/-0.002 χ^2/NDF: 248410.8/98

- sign 24.718+/-0.003 χ^2/NDF: 118903.4/50

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -139.632+/-53.758 χ^2/NDF: 26.2/23

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 179.126+/-50.849 χ^2/NDF: 22.1/27

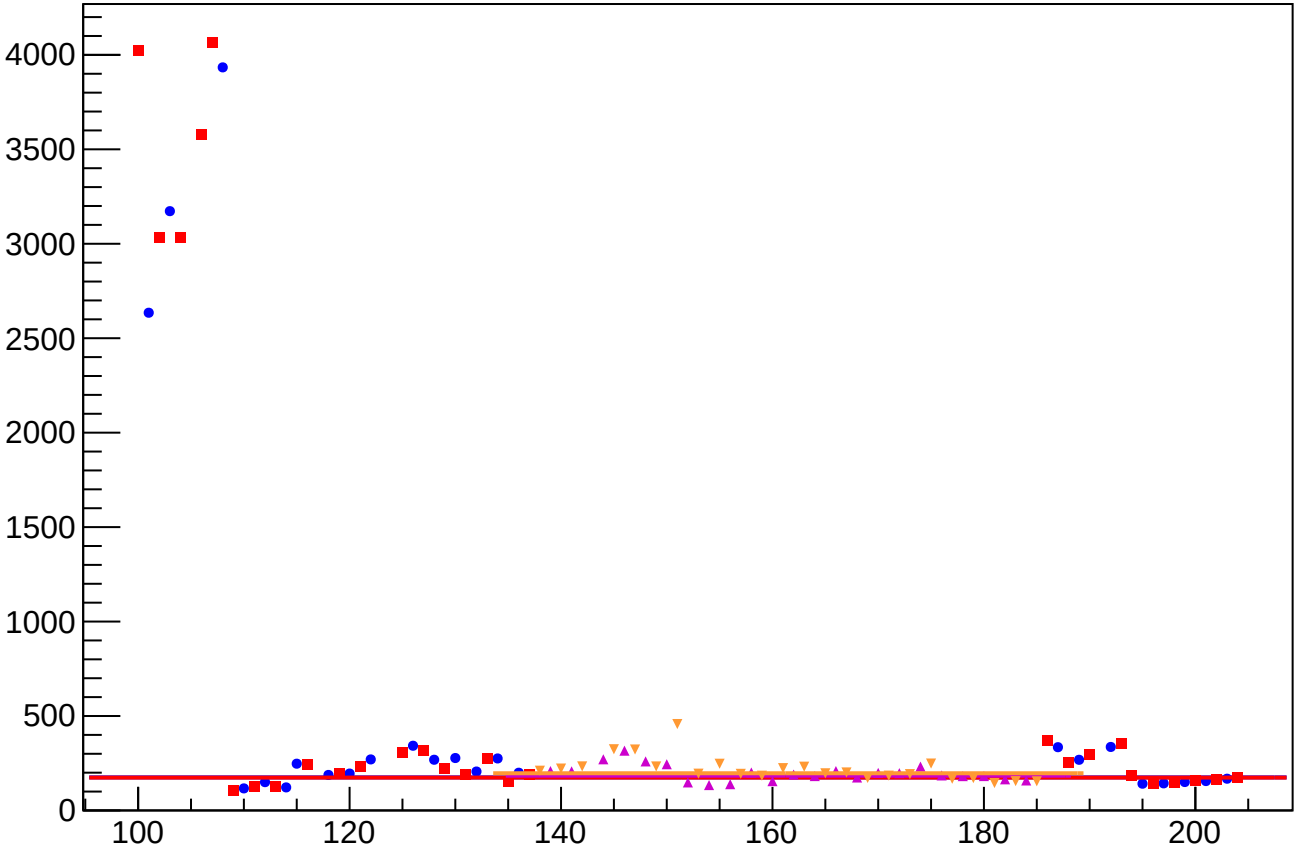
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 6.455+/-35.570 χ^2/NDF: 51.3/47

All: 9.803+/-24.429 χ^2/NDF: 100.9/98

- sign 12.792+/-33.609 χ^2/NDF: 49.5/50

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 175.052+/-0.038 χ^2/NDF: 4816696.4/23

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 173.940+/-0.036 χ^2/NDF: 5333302.5/27

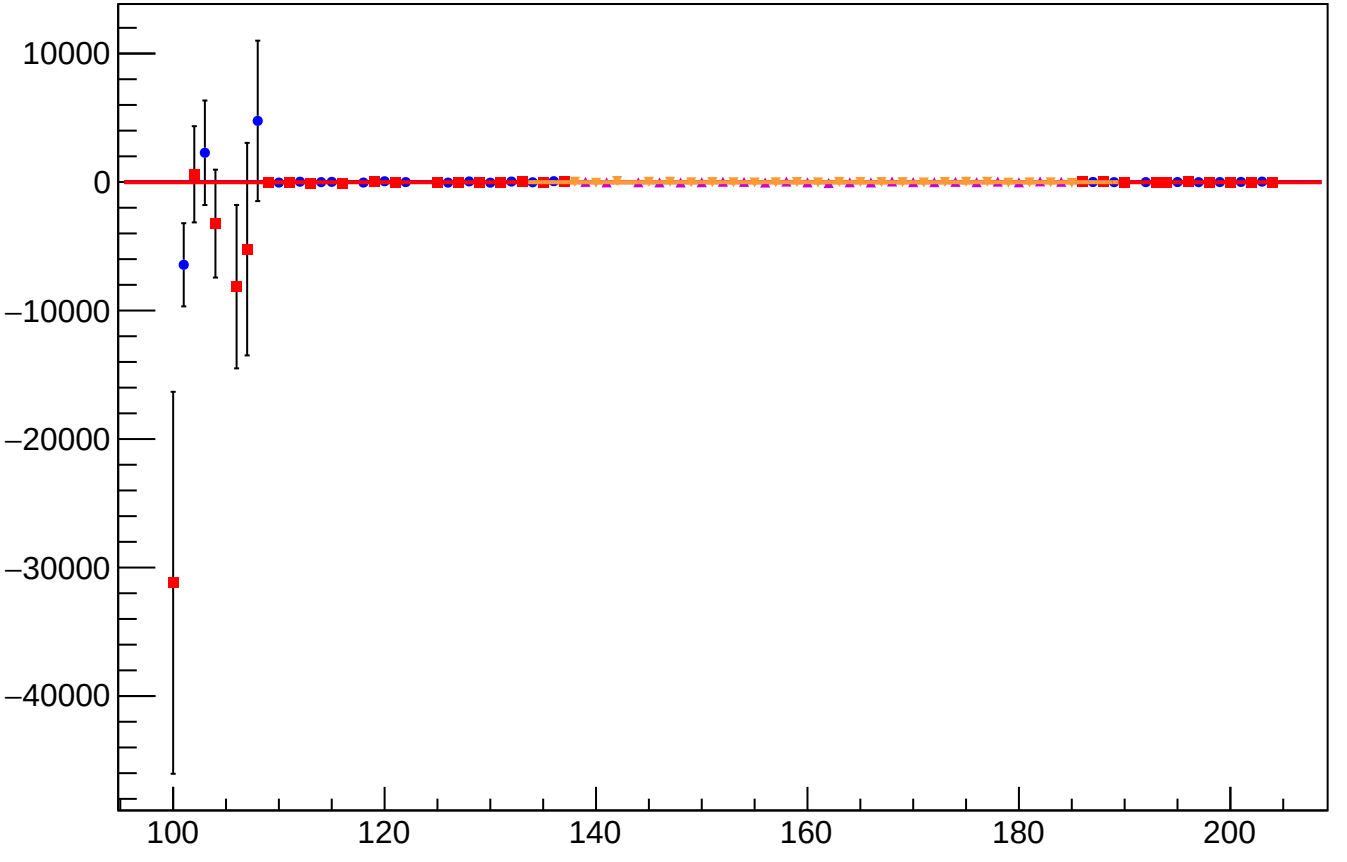
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 187.354+/-0.025 χ^2/NDF: 6812282.1/47

All: 183.275+/-0.017 χ^2/NDF: 13685323.6/98

- sign 179.634+/-0.024 χ^2/NDF: 6823261.0/50

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 4.475+/-8.091 χ^2/NDF: 19.9/23

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -14.670+/-7.651 χ^2/NDF: 28.5/27

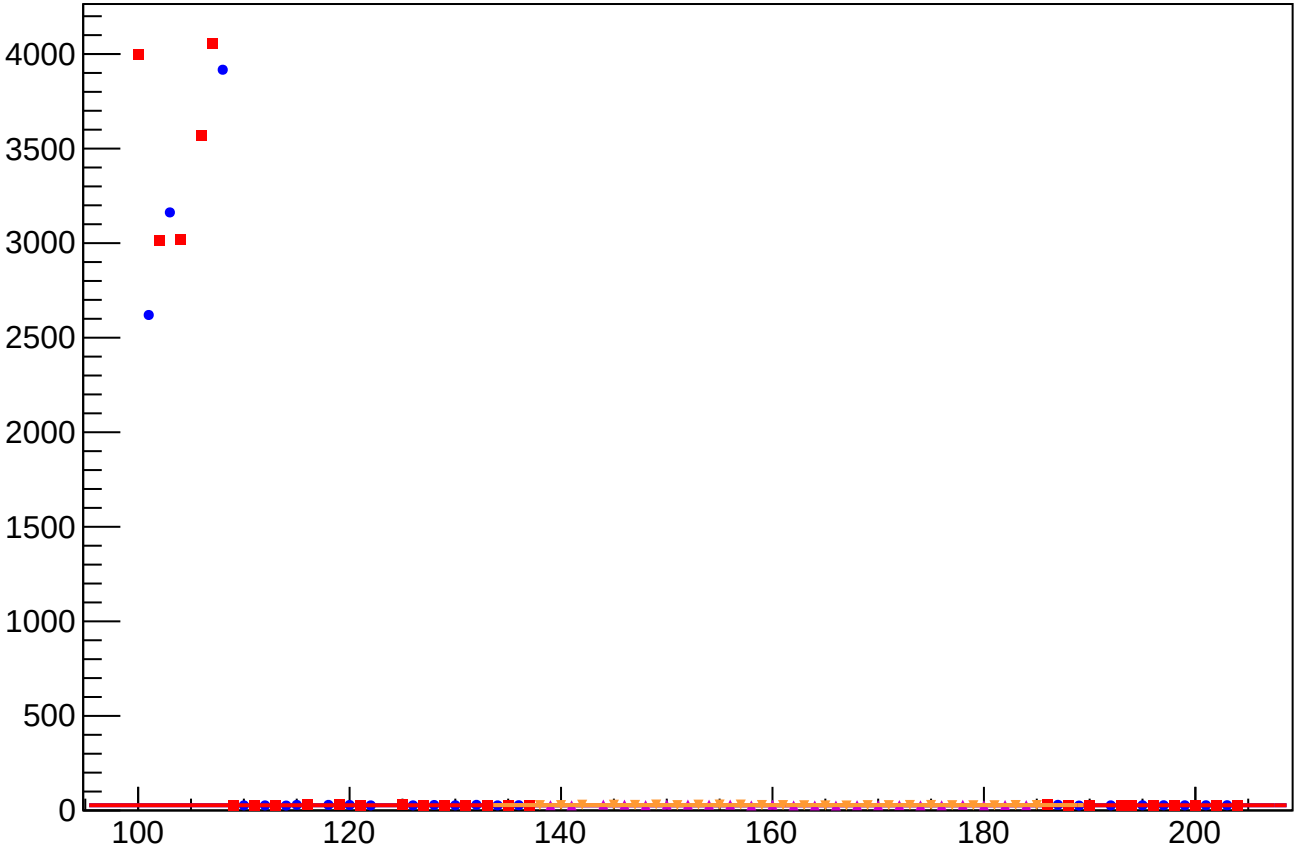
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -4.824+/-5.139 χ^2/NDF: 39.6/47

All: -6.364+/-3.603 χ^2/NDF: 91.9/98

- sign -7.854+/-5.054 χ^2/NDF: 52.1/50

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.522+/-0.006 χ^2/NDF: 3275079.6/23

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.526+/-0.005 χ^2/NDF: 3581517.0/27

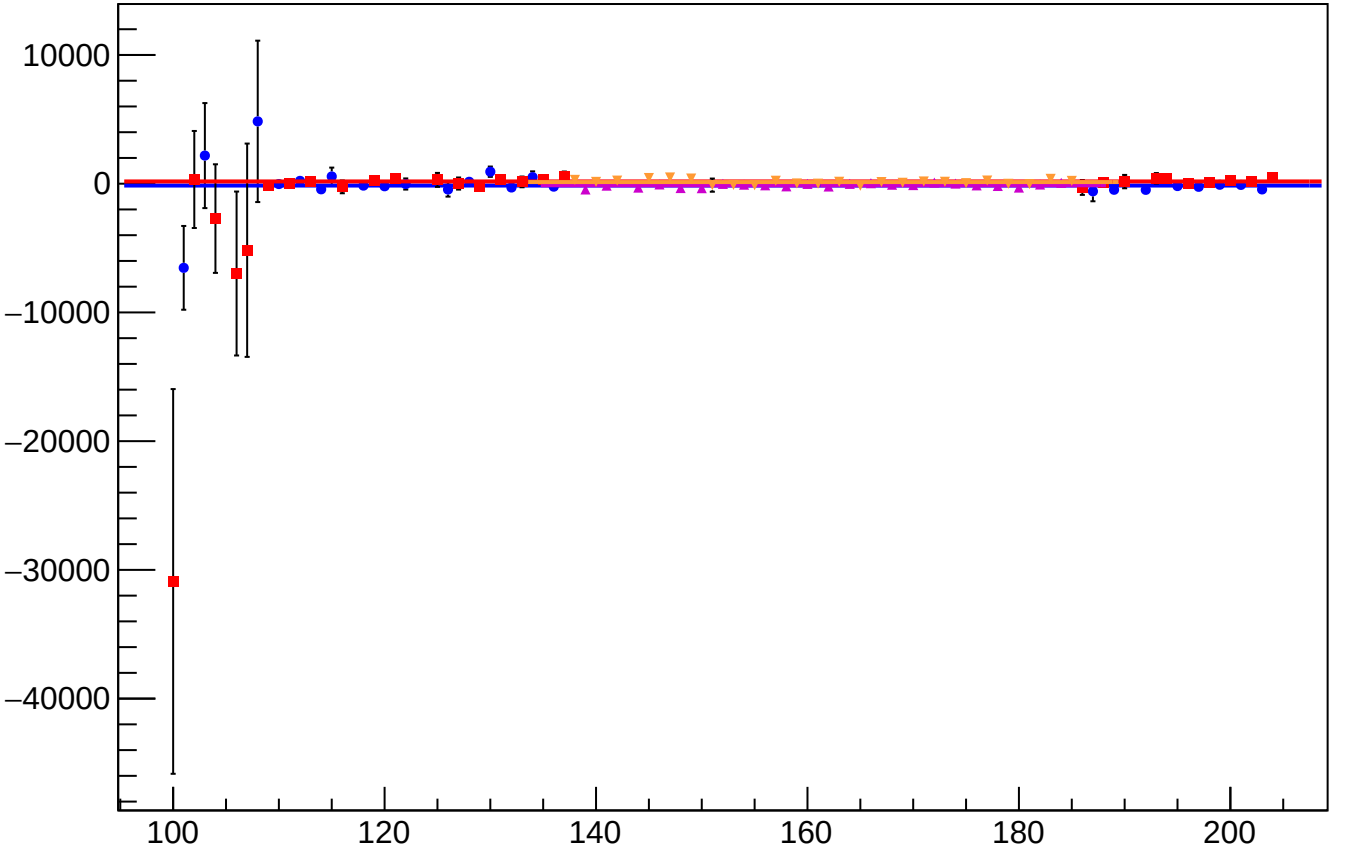
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.161+/-0.004 χ^2/NDF: 3376940.8/47

All: 28.182+/-0.003 χ^2/NDF: 7113725.8/98

- sign 28.203+/-0.004 χ^2/NDF: 3736715.5/50

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -143.552+/-54.017 χ^2/NDF: 25.9/23

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 175.843+/-51.065 χ^2/NDF: 20.3/27

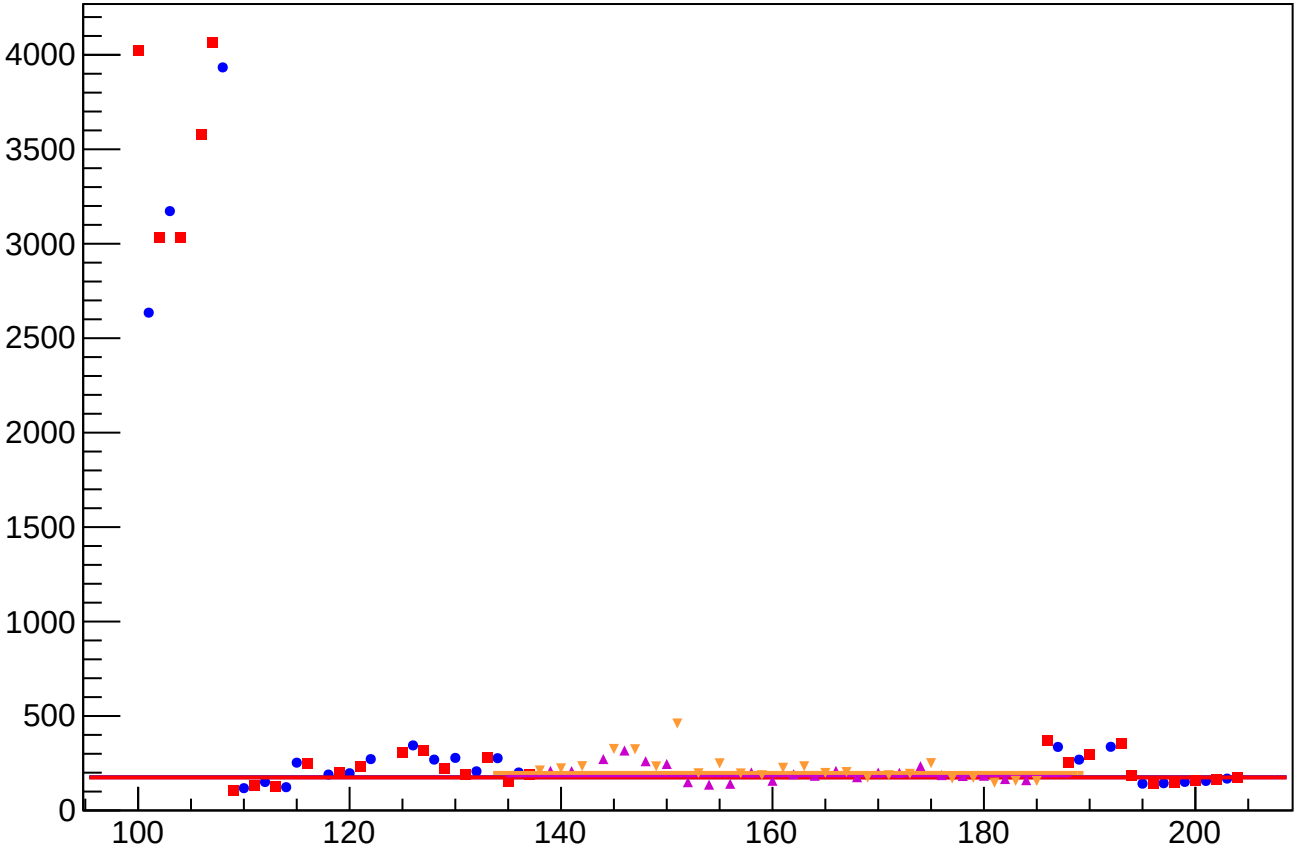
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 7.684+/-35.819 χ^2/NDF: 51.5/47

All: 8.054+/-24.600 χ^2/NDF: 99.0/98

- sign 8.383+/-33.845 χ^2/NDF: 47.5/50

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 175.916+/-0.038 χ^2/NDF: 4812377.5/23

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 174.737+/-0.036 χ^2/NDF: 5321416.1/27

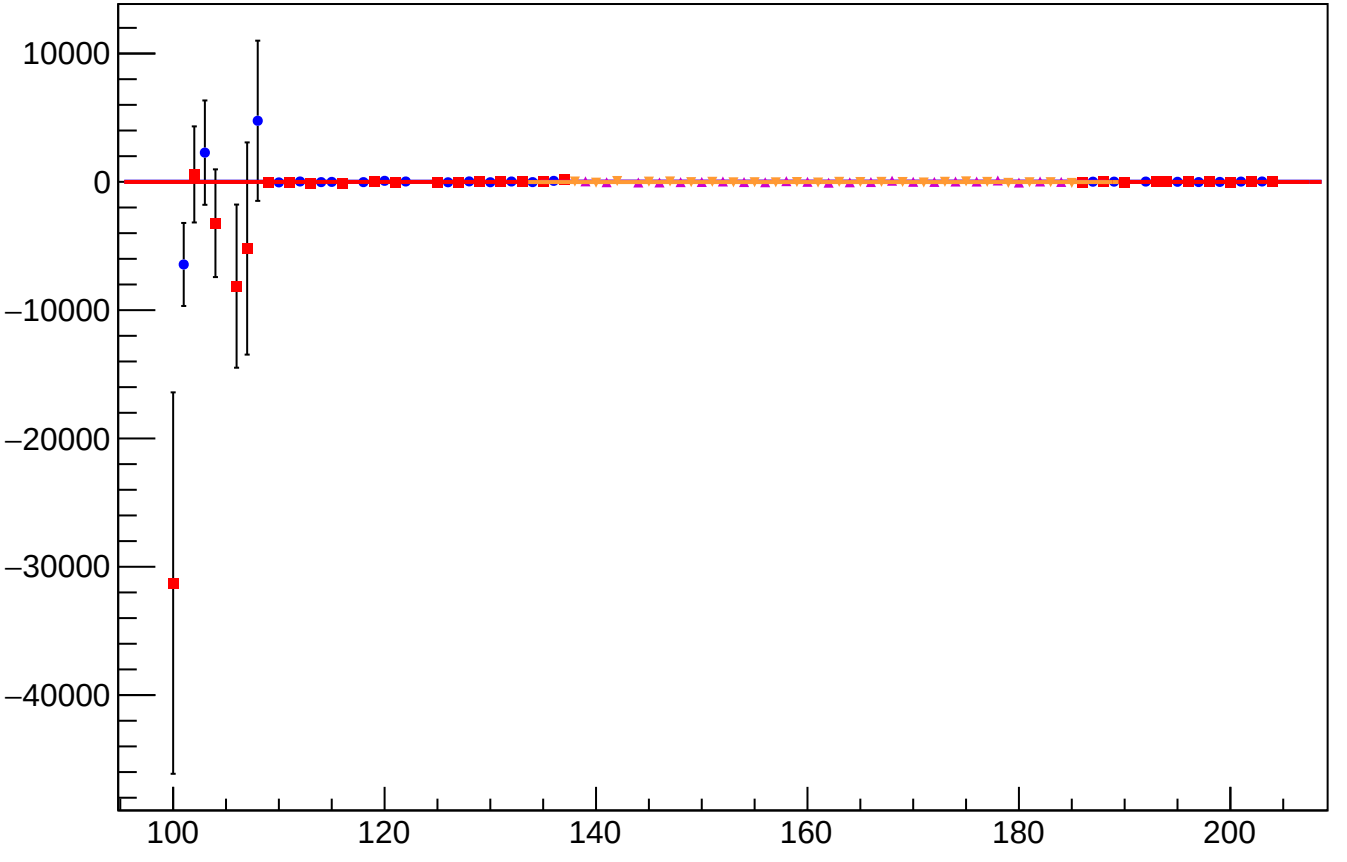
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 188.702+/-0.025 χ^2/NDF: 6798775.7/47

All: 184.623+/-0.017 χ^2/NDF: 13628137.0/98

- sign 180.980+/-0.024 χ^2/NDF: 6780256.6/50

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 11.263+/-8.944 χ^2/NDF: 17.0/23

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -8.110+/-8.446 χ^2/NDF: 36.8/27

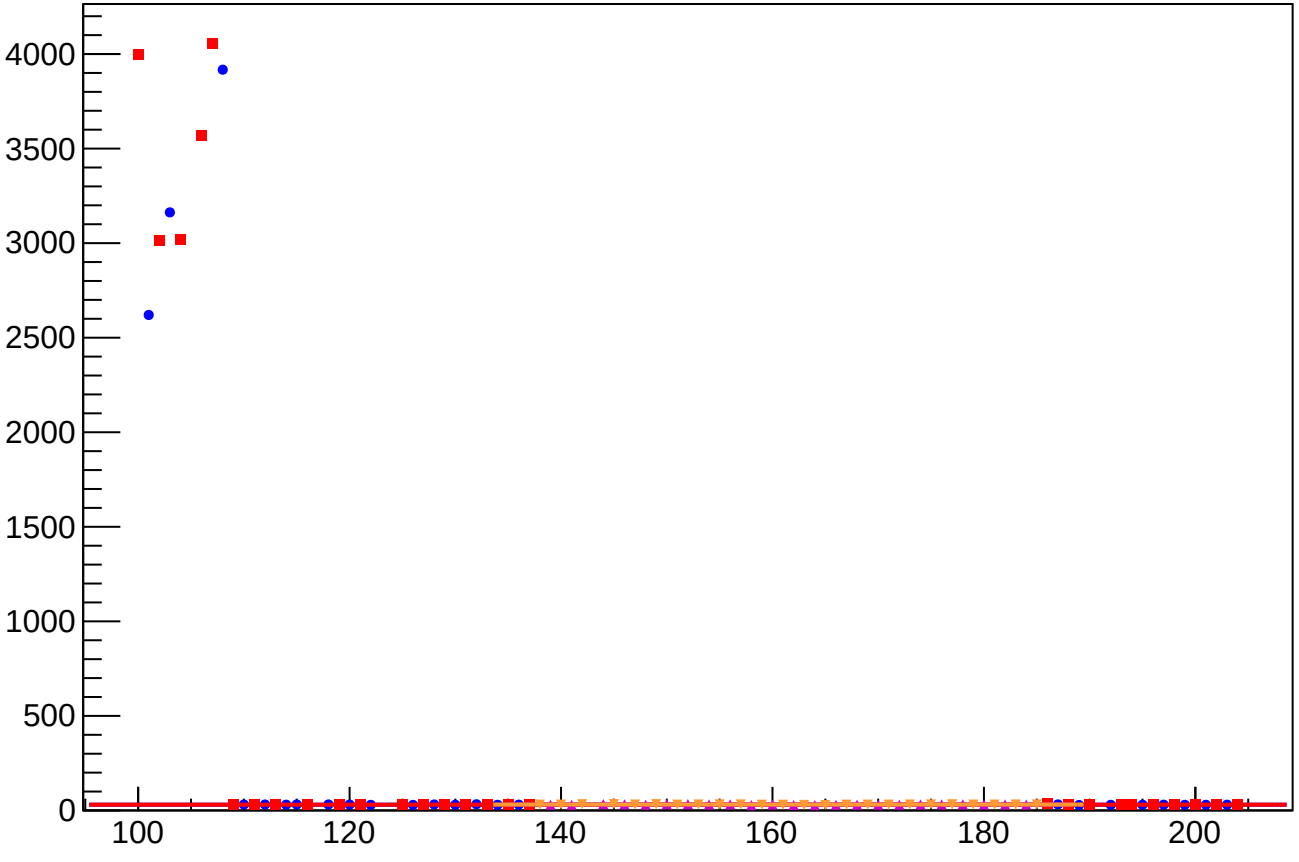
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -6.490+/-5.636 χ^2/NDF: 43.8/47

All: -4.183+/-3.952 χ^2/NDF: 117.4/98

- sign -1.951+/-5.544 χ^2/NDF: 73.3/50

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.437+/-0.006 χ^2/NDF: 3263263.6/23

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.407+/-0.006 χ^2/NDF: 3559222.3/27

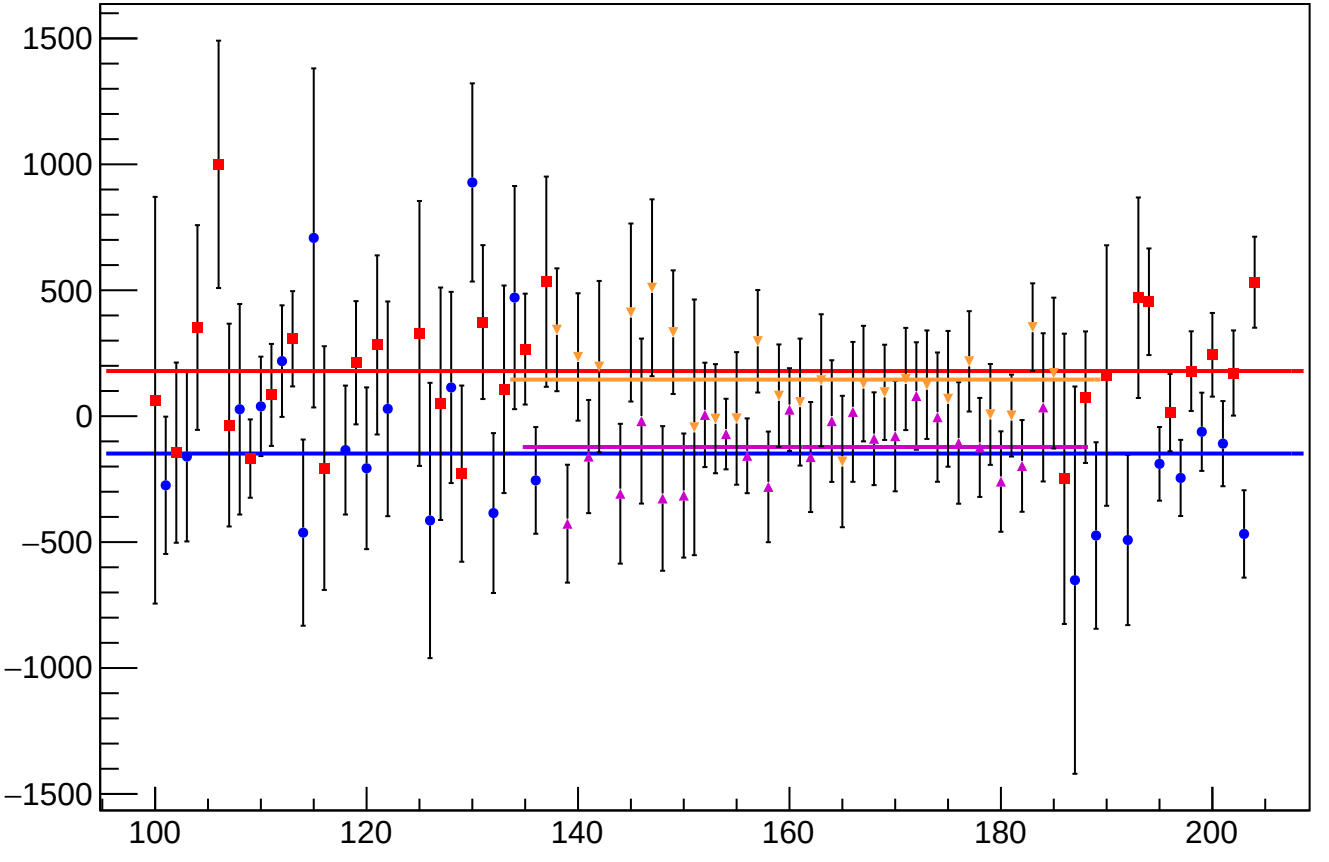
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 30.910+/-0.004 χ^2/NDF: 3319973.0/47

All: 30.935+/-0.003 χ^2/NDF: 6979607.5/98

\- sign 30.960+/-0.004 χ^2/NDF: 3659552.4/50

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -148.374+/-50.899 χ^2/NDF: 24.0/23

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 179.404+/-47.569 χ^2/NDF: 21.4/27

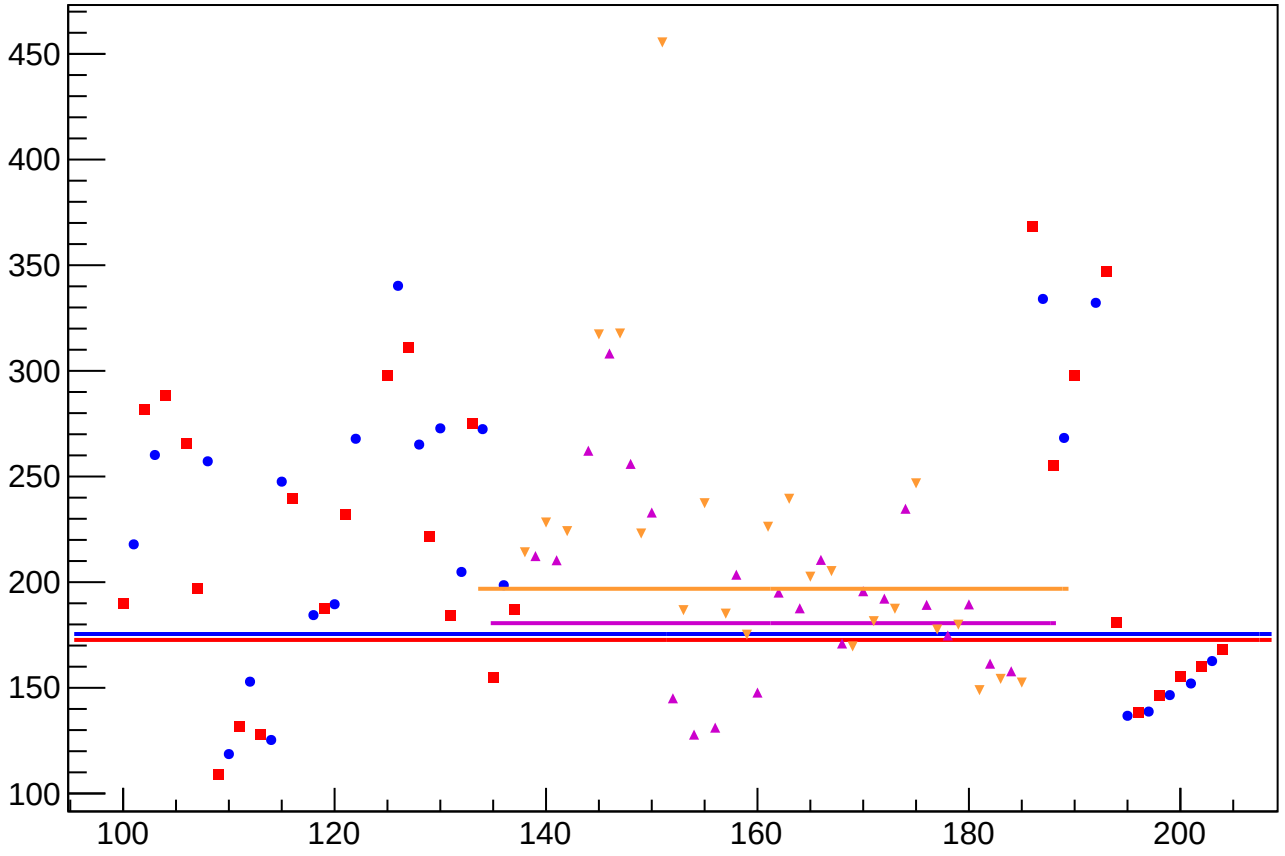
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

\+ sign 8.939+/-34.684 χ^2/NDF: 51.2/47

All: 13.276+/-23.650 χ^2/NDF: 102.2/98

\- sign 17.045+/-32.333 χ^2/NDF: 50.9/50

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 175.467+/-0.036 χ^2/NDF: 2167687.6/23

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 172.665+/-0.034 χ^2/NDF: 2657717.8/27

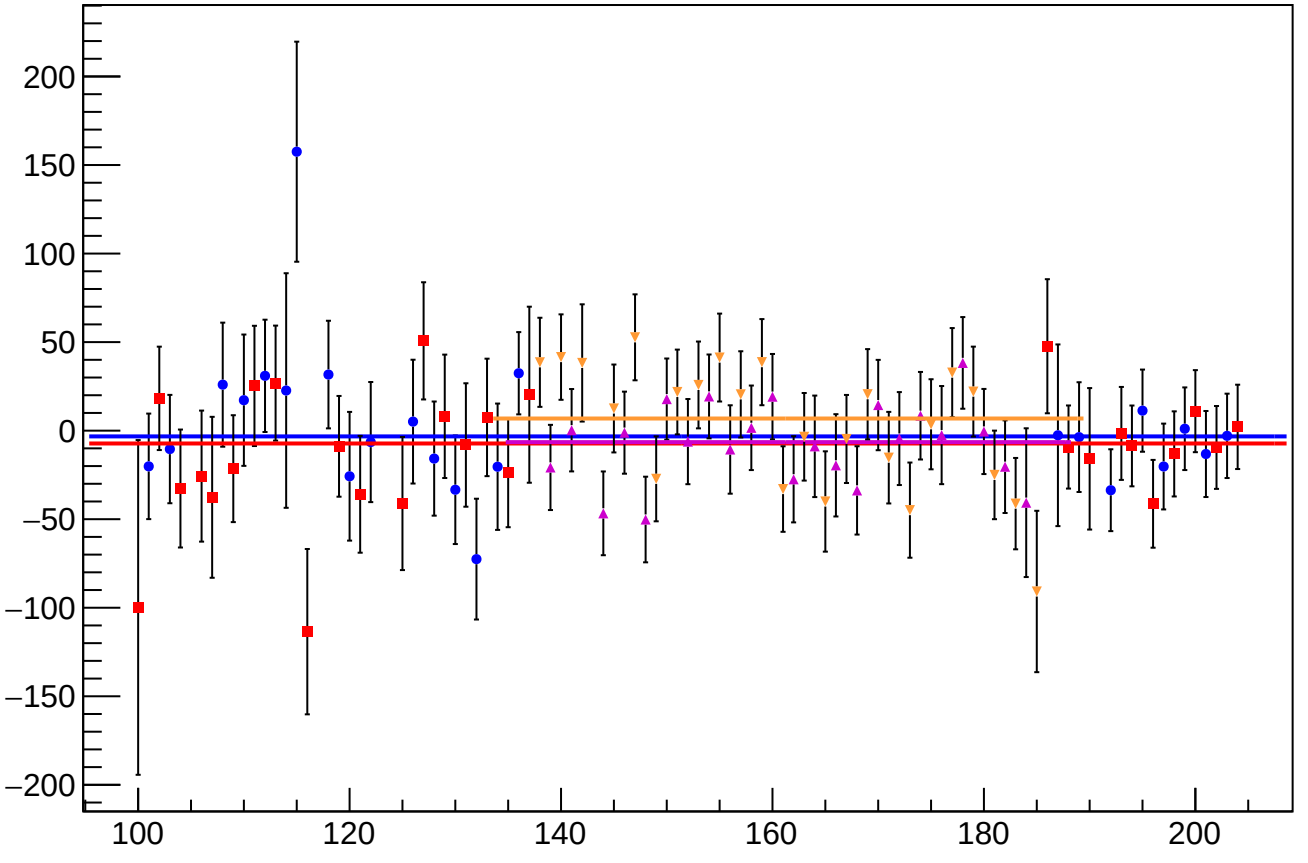
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 186.933+/-0.025 χ^2/NDF: 4082276.5/47

All: 181.584+/-0.017 χ^2/NDF: 8486933.8/98

- sign 176.935+/-0.023 χ^2/NDF: 4315738.8/50

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -3.245+/-6.152 χ^2/NDF: 21.8/23

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -7.248+/-5.784 χ^2/NDF: 21.0/27

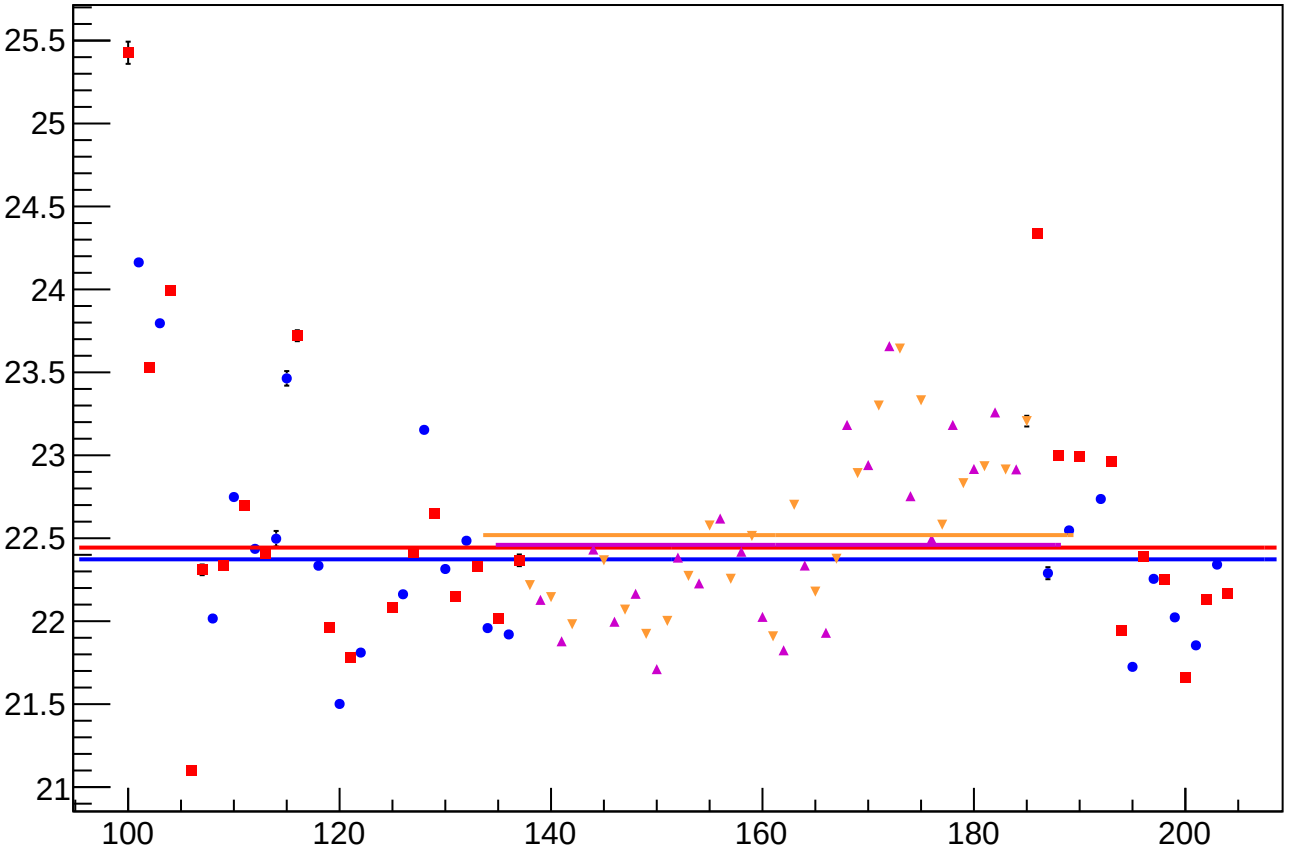
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 2.620+/-3.984 χ^2/NDF: 60.2/47

All: -2.221+/-2.782 χ^2/NDF: 101.5/98

- sign -6.828+/-3.886 χ^2/NDF: 38.4/50

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.373+/-0.004 χ^2/NDF: 20132.5/23

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.444+/-0.004 χ^2/NDF: 26872.1/27

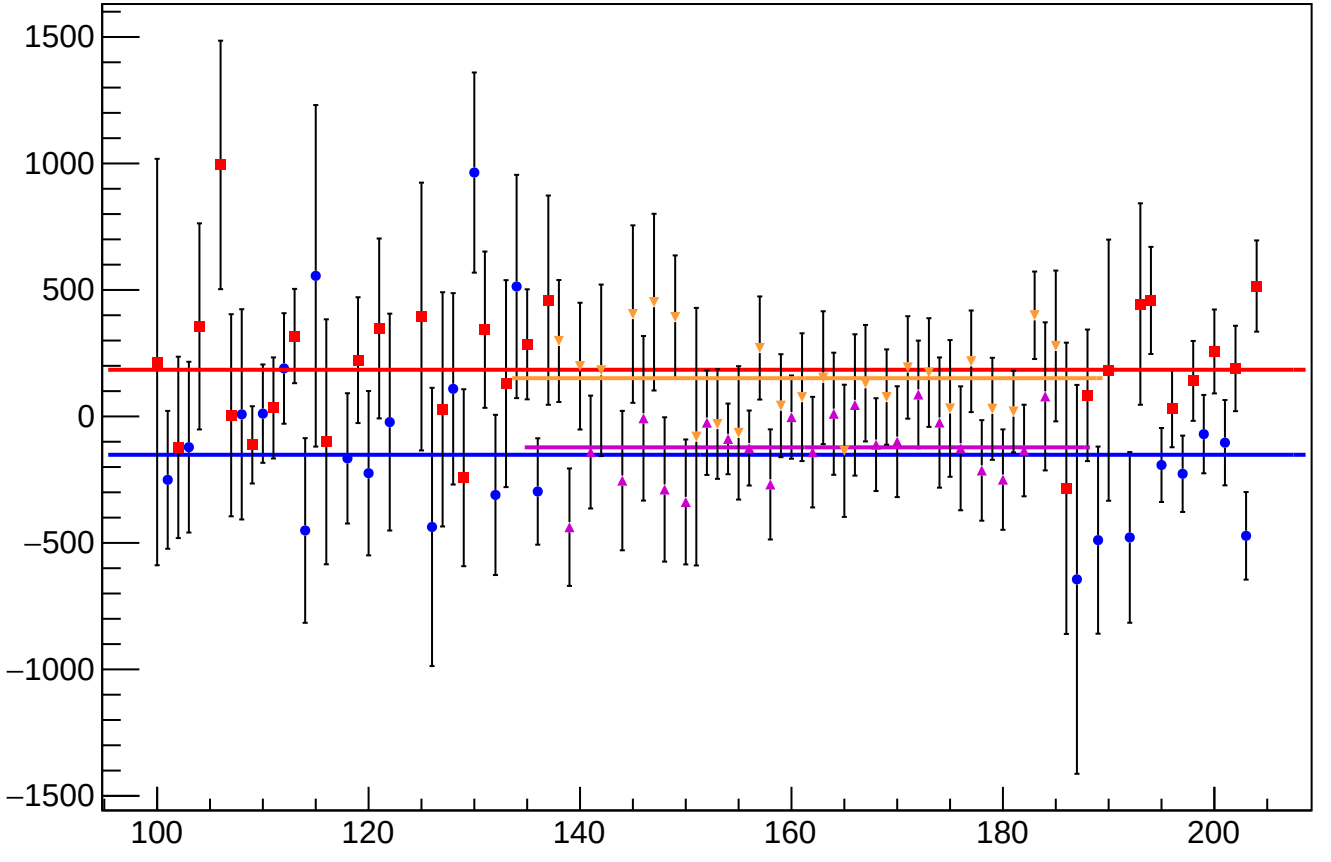
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.458+/-0.003 χ^2/NDF: 36785.5/47

All: 22.455+/-0.002 χ^2/NDF: 82785.3/98

- sign 22.453+/-0.003 χ^2/NDF: 45998.2/50

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -151.570+/-50.750 χ^2/NDF: 23.3/23

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 184.507+/-47.350 χ^2/NDF: 19.5/27

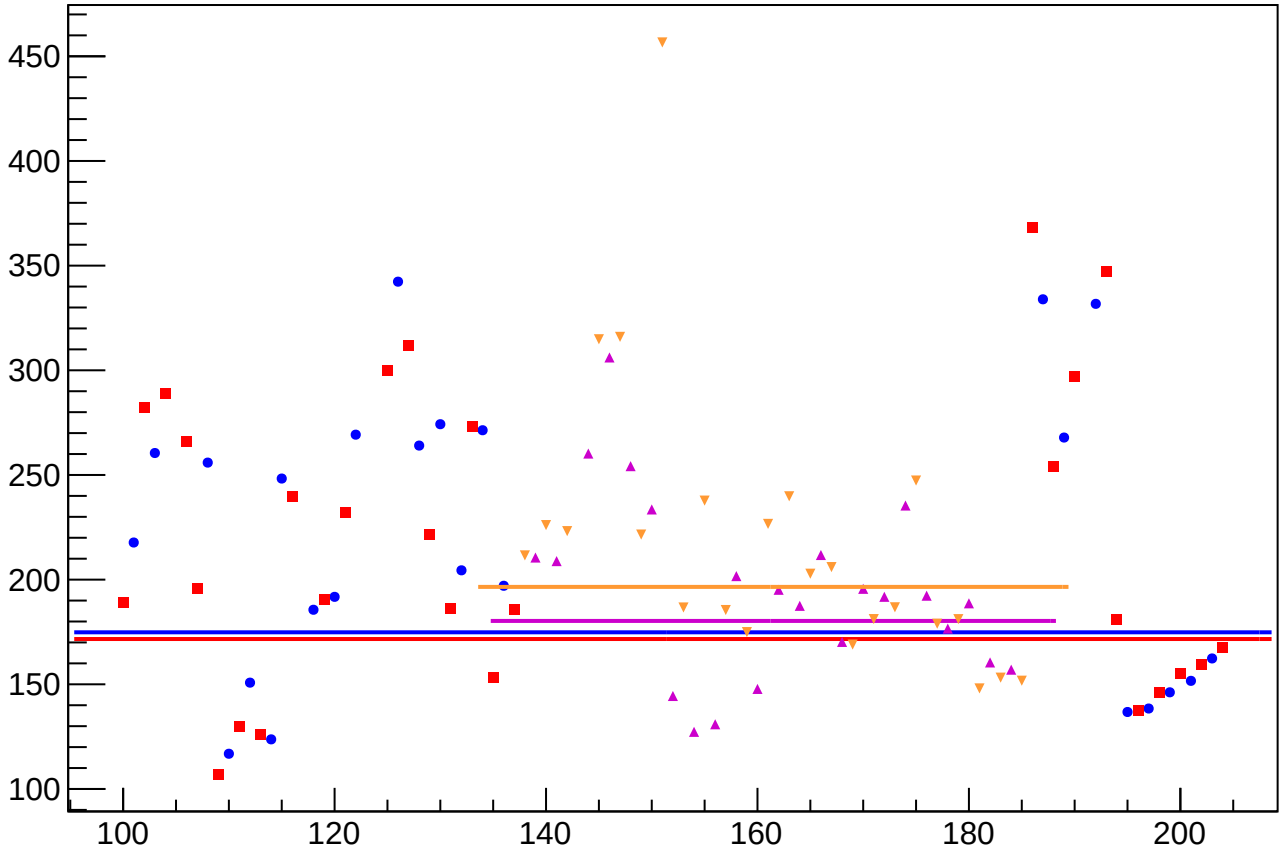
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 10.355+/-34.608 χ^2/NDF: 52.3/47

All: 15.500+/-23.588 χ^2/NDF: 101.9/98

- sign 19.963+/-32.234 χ^2/NDF: 49.5/50

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 174.839+/-0.036 χ^2/NDF: 2197765.7/23

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 171.633+/-0.033 χ^2/NDF: 2728530.7/27

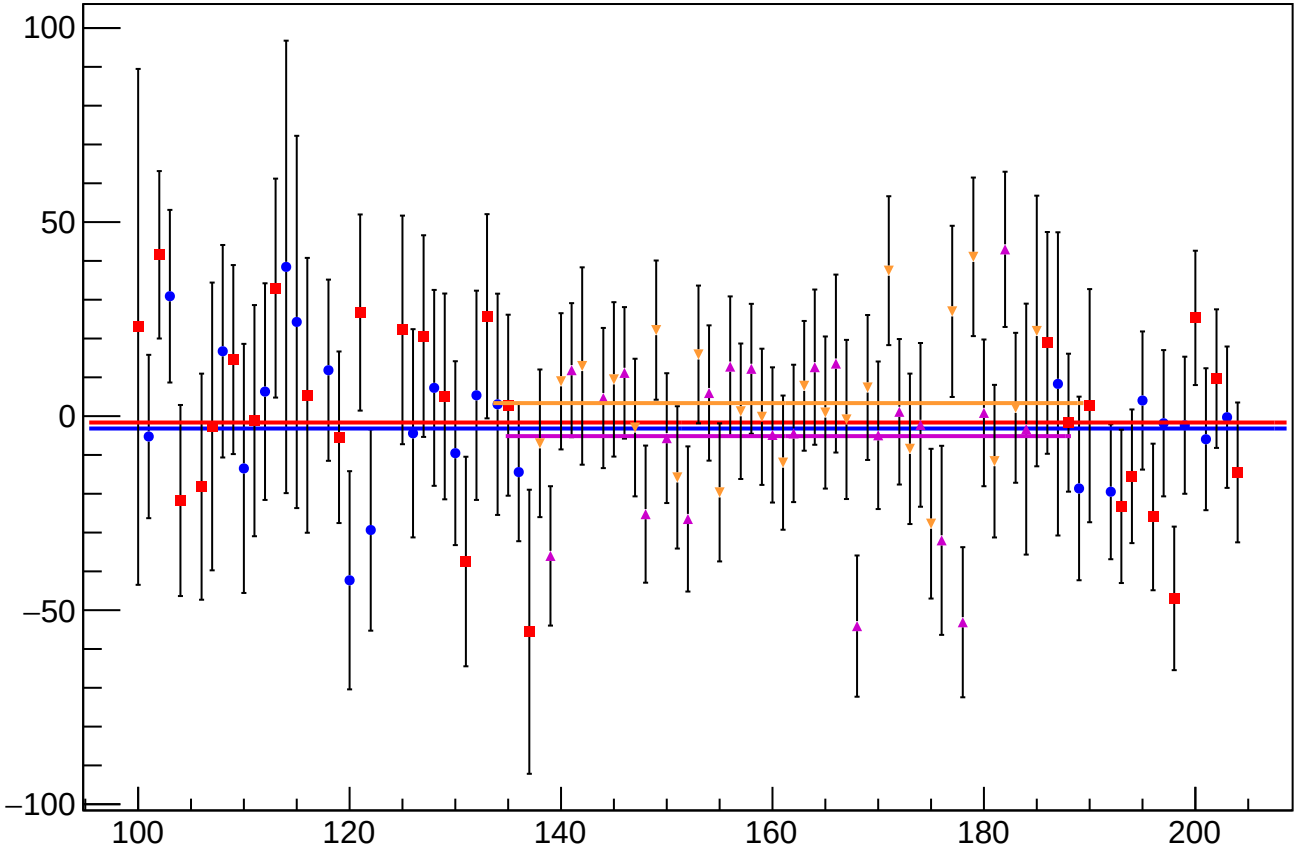
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

\+ sign 186.445+/-0.024 χ^2/NDF: 4121171.7/47

All: 180.996+/-0.017 χ^2/NDF: 8602704.1/98

\- sign 176.270+/-0.023 χ^2/NDF: 4388953.1/50

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -3.191+/-4.735 χ^2/NDF: 9.7/23

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -1.644+/-4.446 χ^2/NDF: 28.3/27

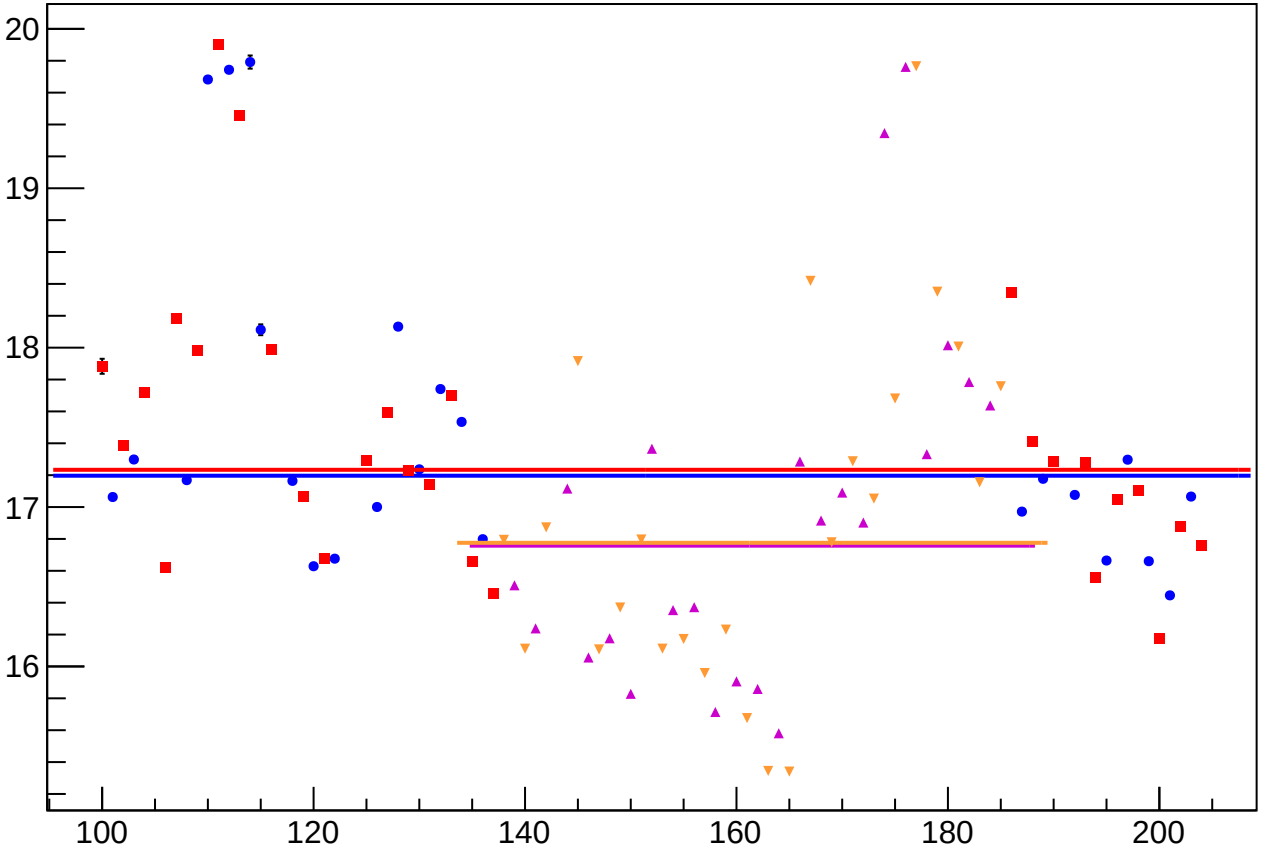
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.707+/-3.012 χ^2/NDF: 28.5/47

All: -1.505+/-2.105 χ^2/NDF: 90.5/98

- sign -3.615+/-2.942 χ^2/NDF: 60.9/50

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.197+/-0.003 χ^2/NDF: 47363.8/23

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.234+/-0.003 χ^2/NDF: 55098.0/27

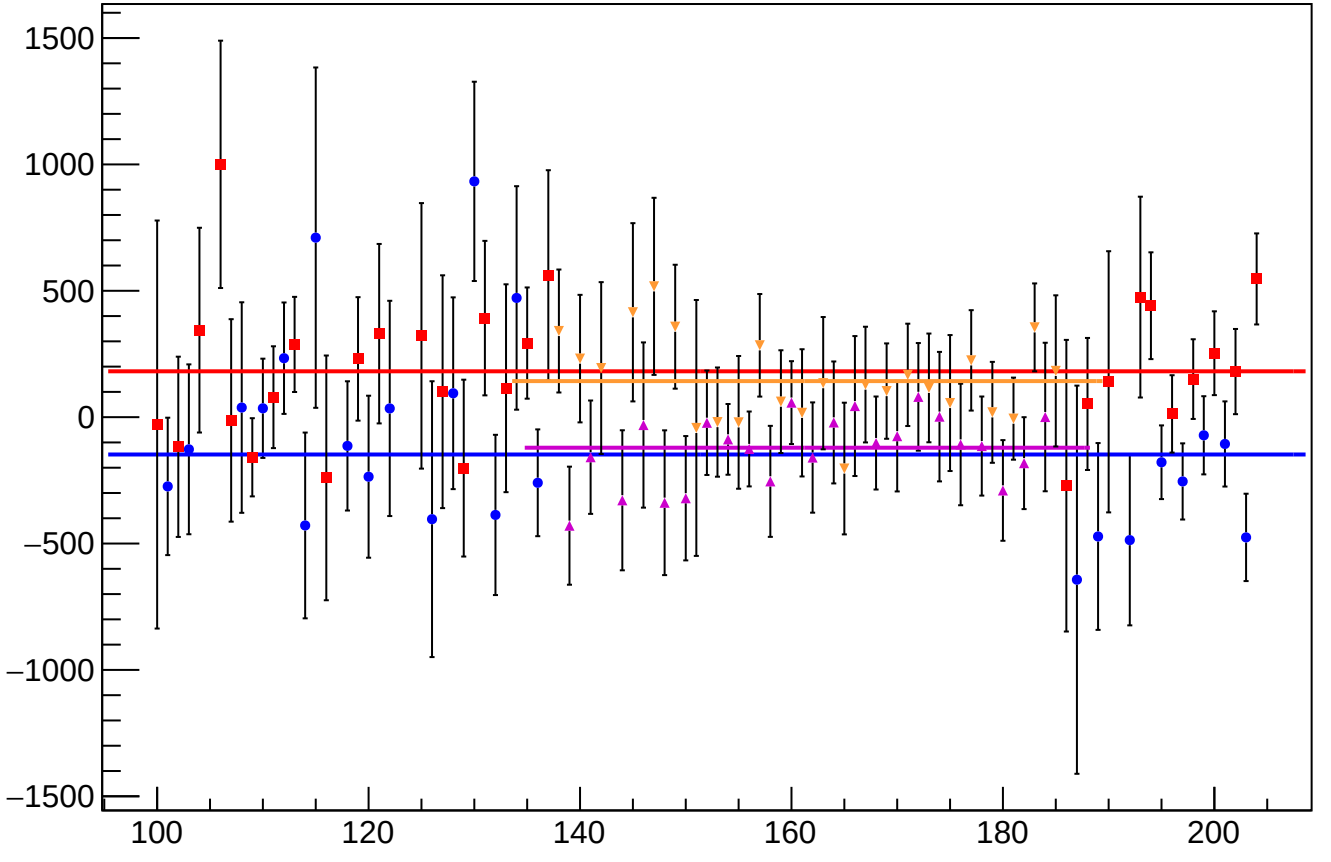
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.946+/-0.002 χ^2/NDF: 192914.5/47

All: 16.956+/-0.001 χ^2/NDF: 384247.6/98

\- sign 16.966+/-0.002 χ^2/NDF: 191287.6/50

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -147.686+/-50.738 χ^2/NDF: 24.4/23

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 181.462+/-47.429 χ^2/NDF: 21.7/27

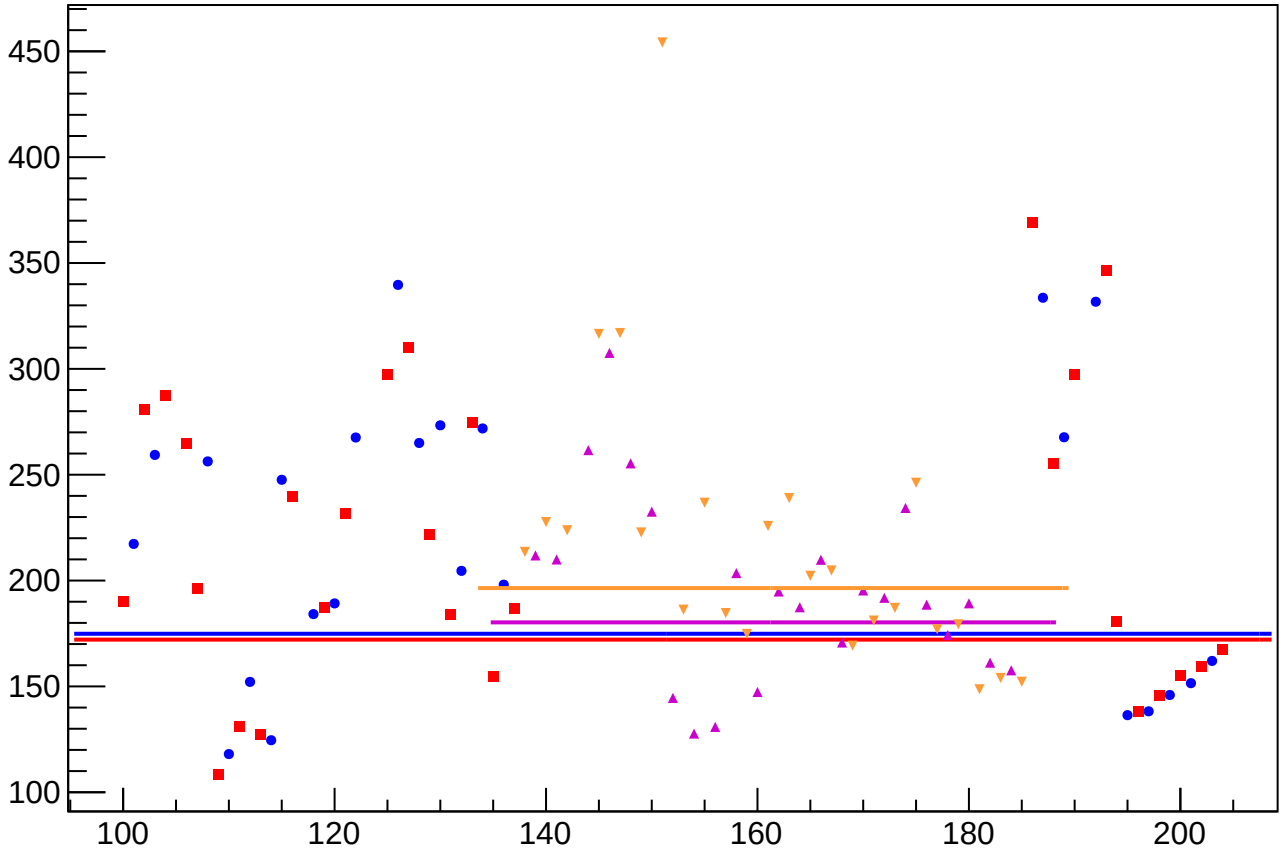
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 7.712+/-34.593 χ^2/NDF: 52.0/47

All: 13.721+/-23.591 χ^2/NDF: 103.9/98

- sign 18.945+/-32.255 χ^2/NDF: 51.8/50

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 174.864+/-0.036 χ^2/NDF: 2181103.3/23

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 172.104+/-0.034 χ^2/NDF: 2674638.1/27

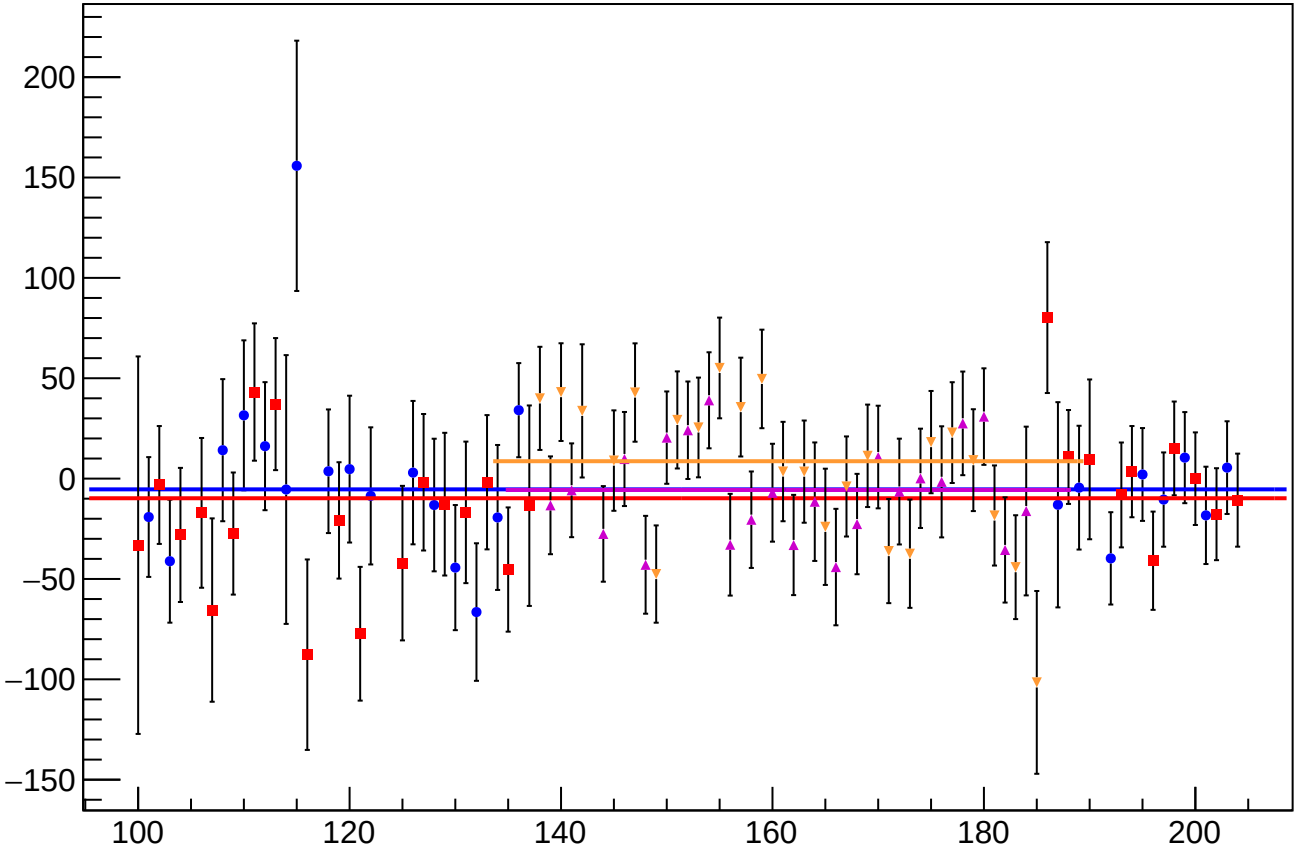
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

\+ sign 186.417+/-0.024 χ^2/NDF: 4098394.8/47

All: 181.102+/-0.017 χ^2/NDF: 8520759.4/98

\- sign 176.481+/-0.023 χ^2/NDF: 4334111.6/50

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -5.359+/-6.141 χ^2/NDF: 21.4/23

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -9.790+/-5.778 χ^2/NDF: 26.0/27

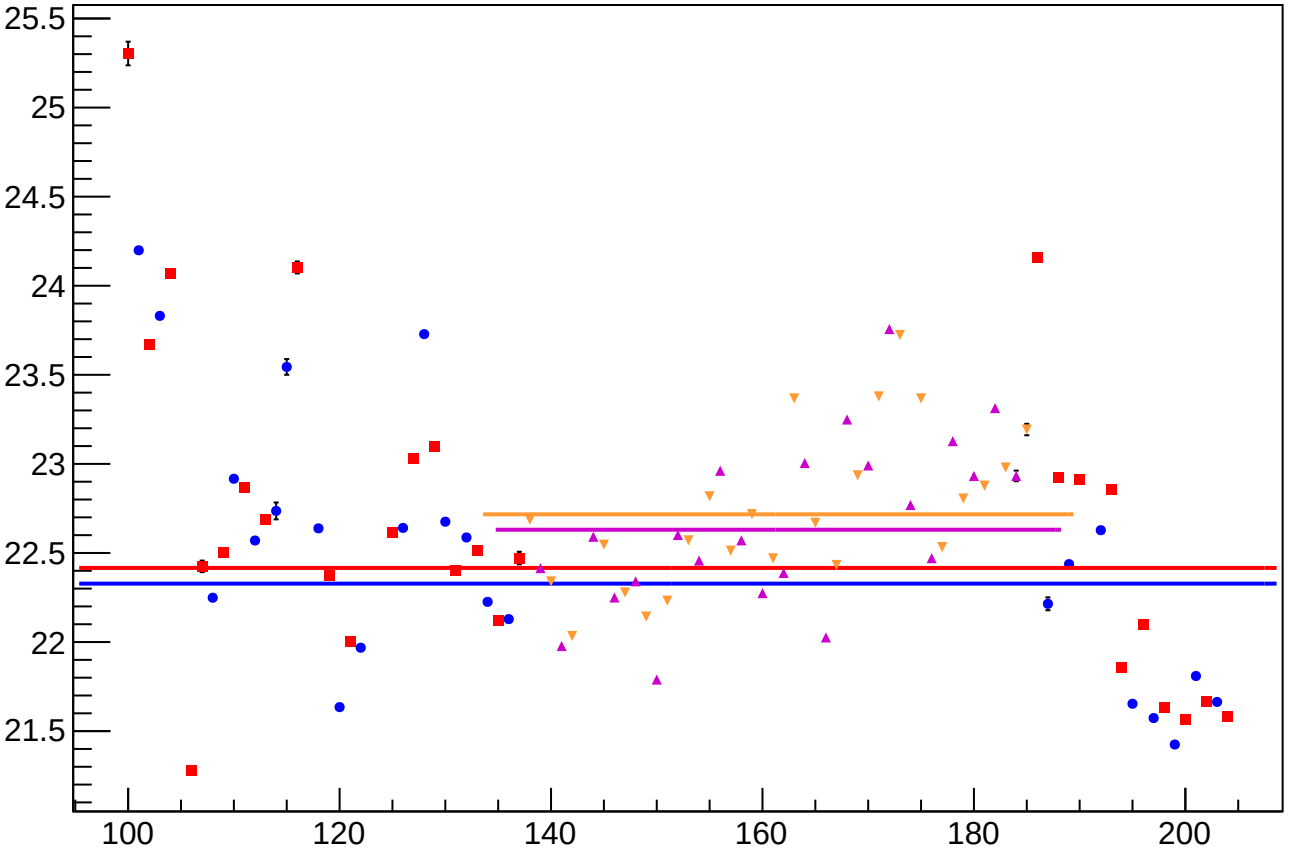
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 2.711+/-4.001 χ^2/NDF: 63.6/47

All: -2.549+/-2.793 χ^2/NDF: 114.0/98

- sign -7.546+/-3.900 χ^2/NDF: 47.0/50

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.328+/-0.004 χ^2/NDF: 29423.1/23

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.416+/-0.004 χ^2/NDF: 34633.8/27

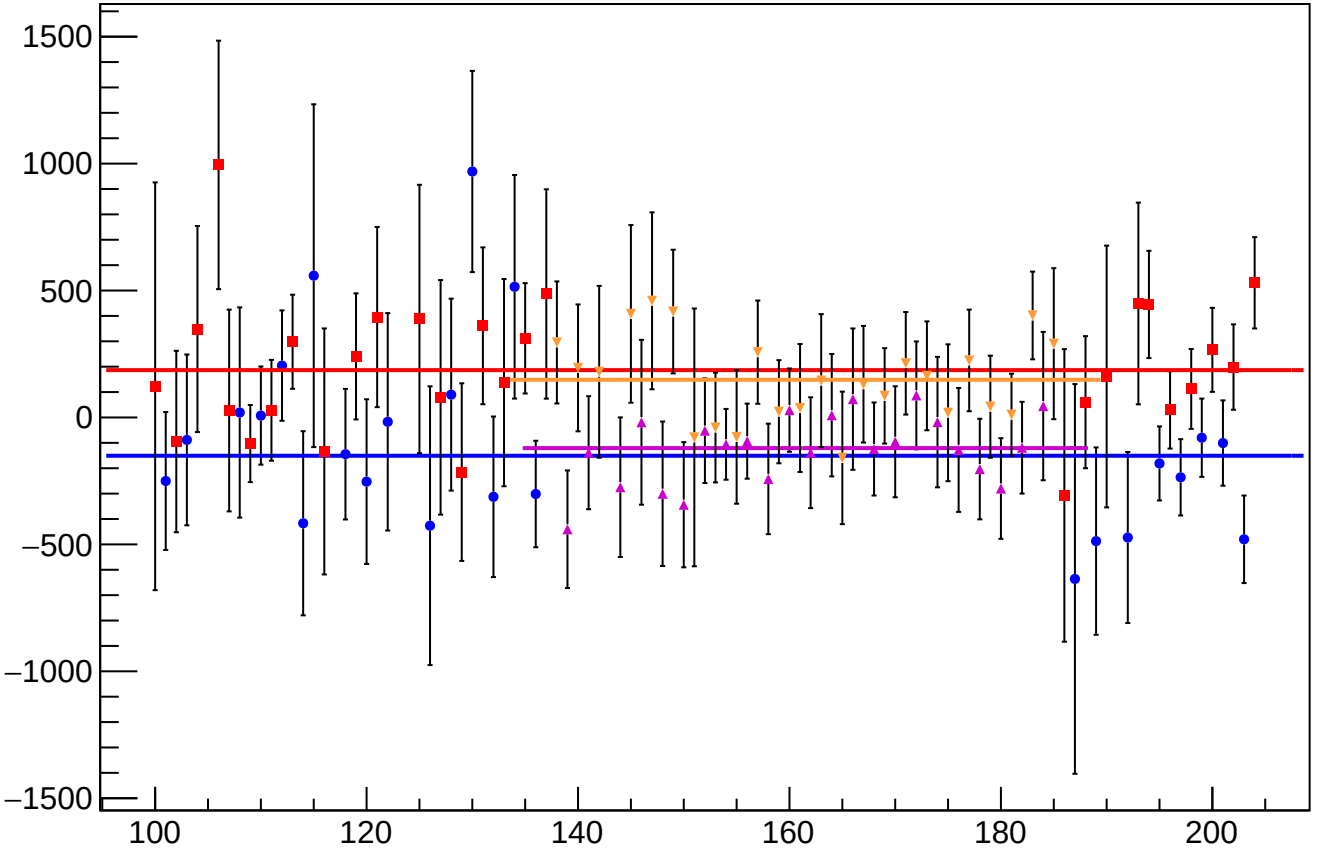
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.552+/-0.003 χ^2/NDF: 46220.2/47

All: 22.542+/-0.002 χ^2/NDF: 97767.0/98

- sign 22.533+/-0.003 χ^2/NDF: 51523.8/50

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -150.855+/-50.587 χ^2/NDF: 23.7/23

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 186.538+/-47.208 χ^2/NDF: 19.9/27

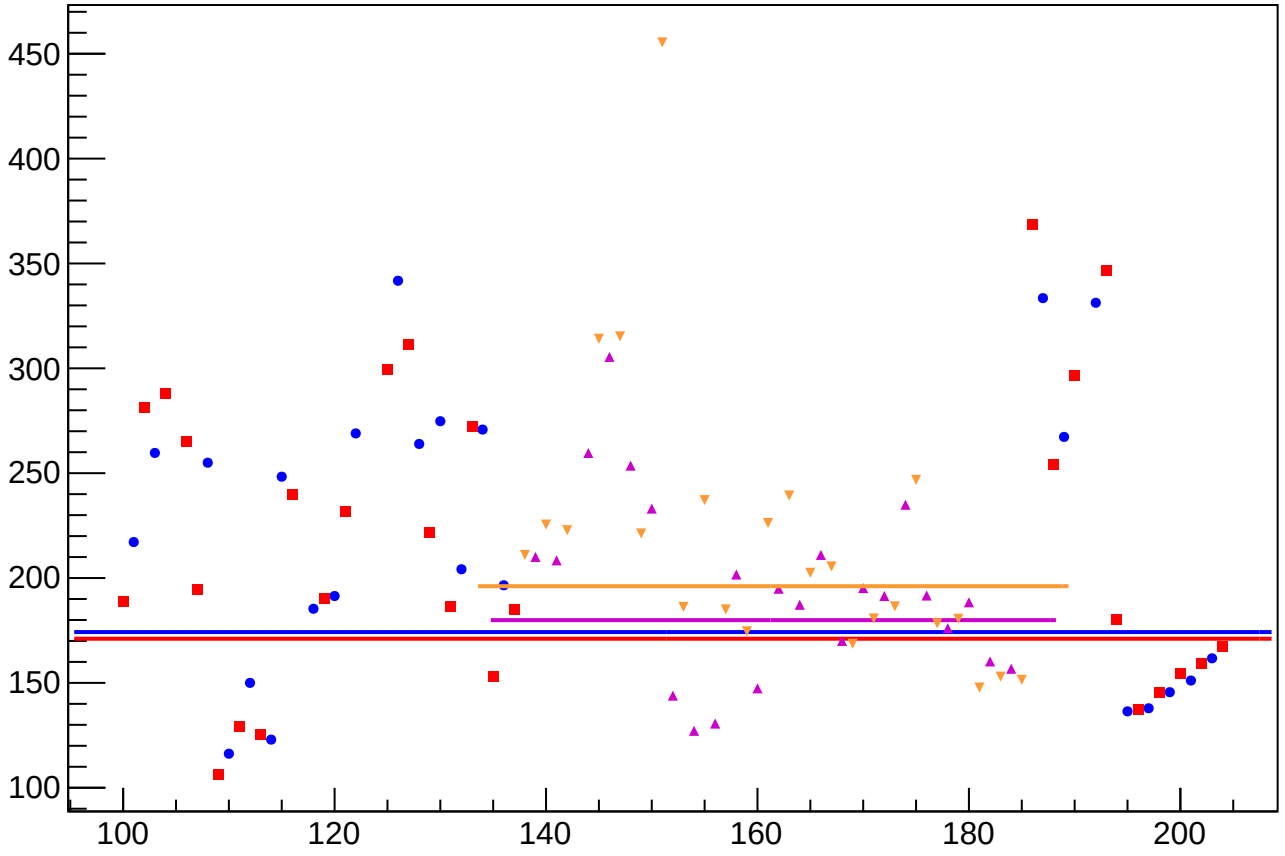
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 9.098+/-34.516 χ^2/NDF: 53.3/47

All: 15.907+/-23.528 χ^2/NDF: 103.9/98

- sign 21.817+/-32.156 χ^2/NDF: 50.5/50

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 174.230+/-0.036 χ^2/NDF: 2211716.9/23

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 171.064+/-0.033 χ^2/NDF: 2746332.8/27

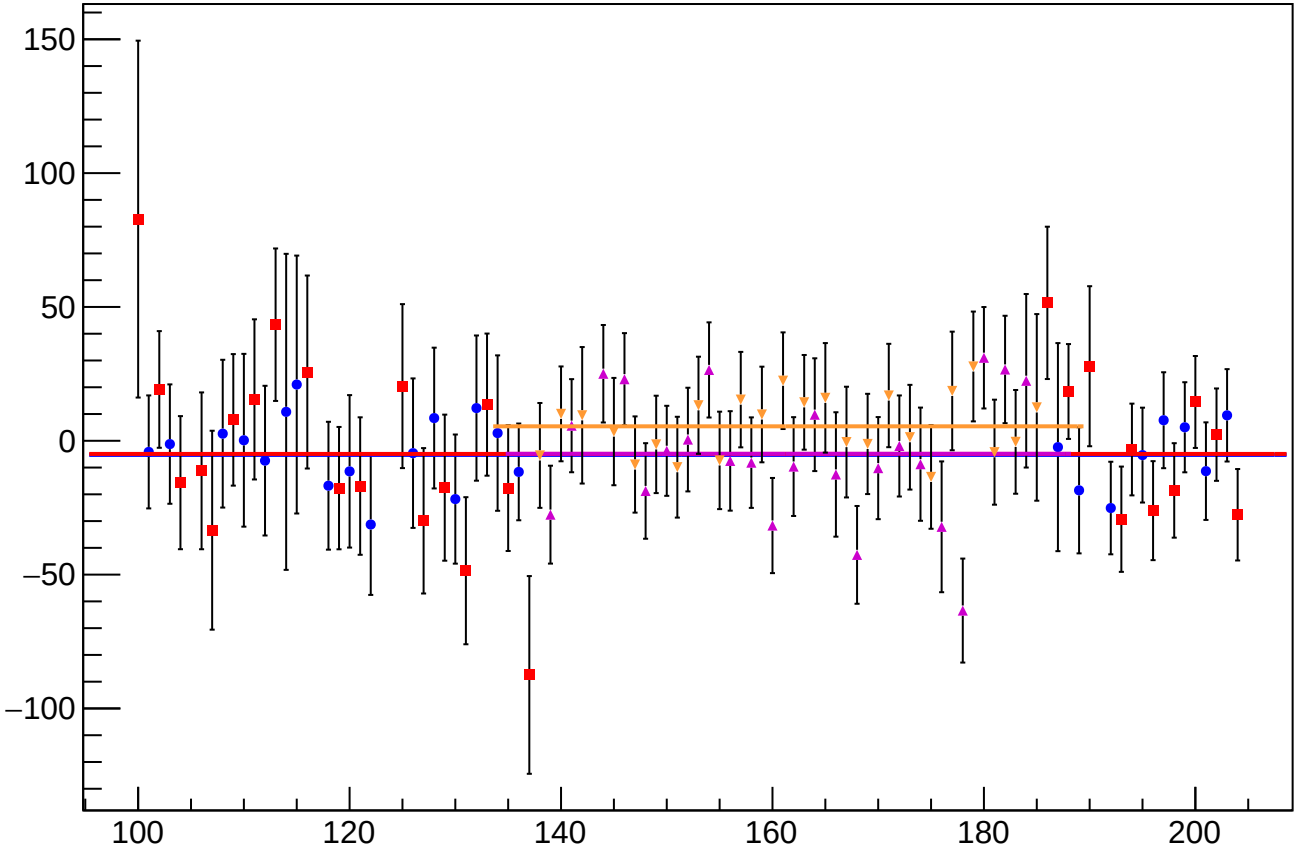
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 185.925+/-0.024 χ^2/NDF: 4138011.5/47

All: 180.511+/-0.017 χ^2/NDF: 8638151.1/98

- sign 175.813+/-0.023 χ^2/NDF: 4408236.3/50

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -5.269+/-4.713 χ^2/NDF: 6.5/23

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -4.912+/-4.431 χ^2/NDF: 32.2/27

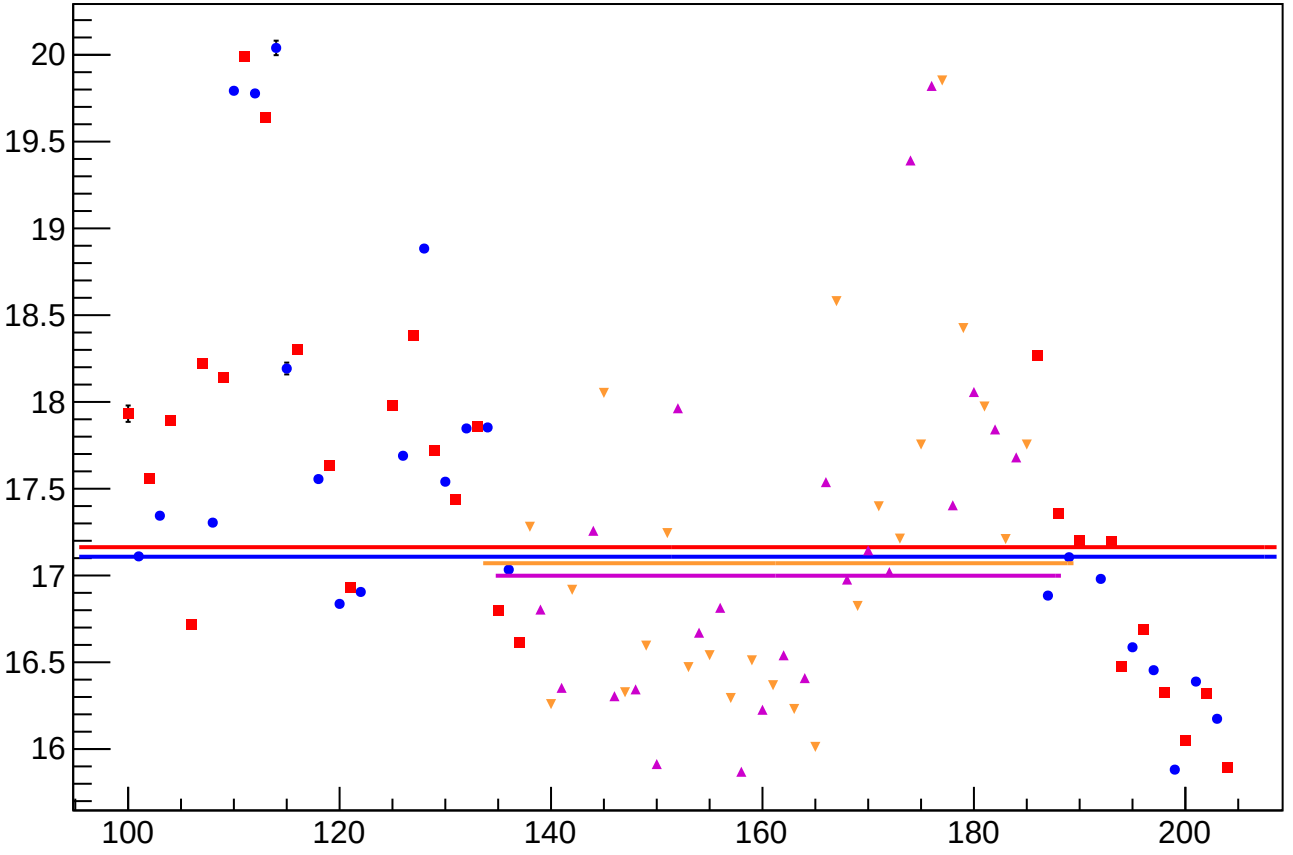
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.973+/-3.037 χ^2/NDF: 17.3/47

All: -2.029+/-2.120 χ^2/NDF: 86.9/98

- sign -4.882+/-2.961 χ^2/NDF: 67.7/50

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.108+/-0.003 χ^2/NDF: 76971.1/23

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.163+/-0.003 χ^2/NDF: 89123.7/27

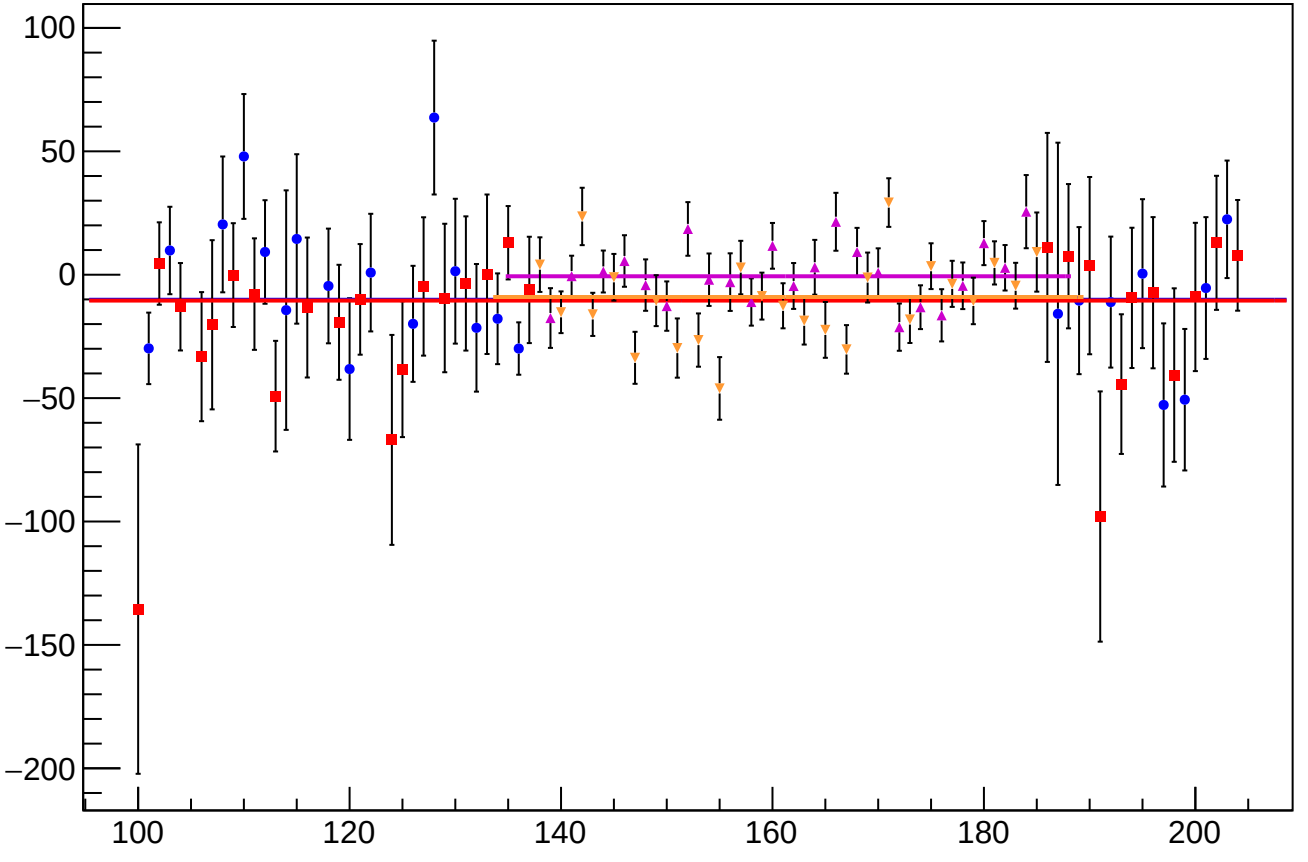
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.086+/-0.002 χ^2/NDF: 173357.4/47

All: 17.079+/-0.001 χ^2/NDF: 368049.3/98

- sign 17.072+/-0.002 χ^2/NDF: 194669.8/50

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -10.148+/-4.688 χ^2/NDF: 27.7/23

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -10.472+/-4.691 χ^2/NDF: 21.4/29

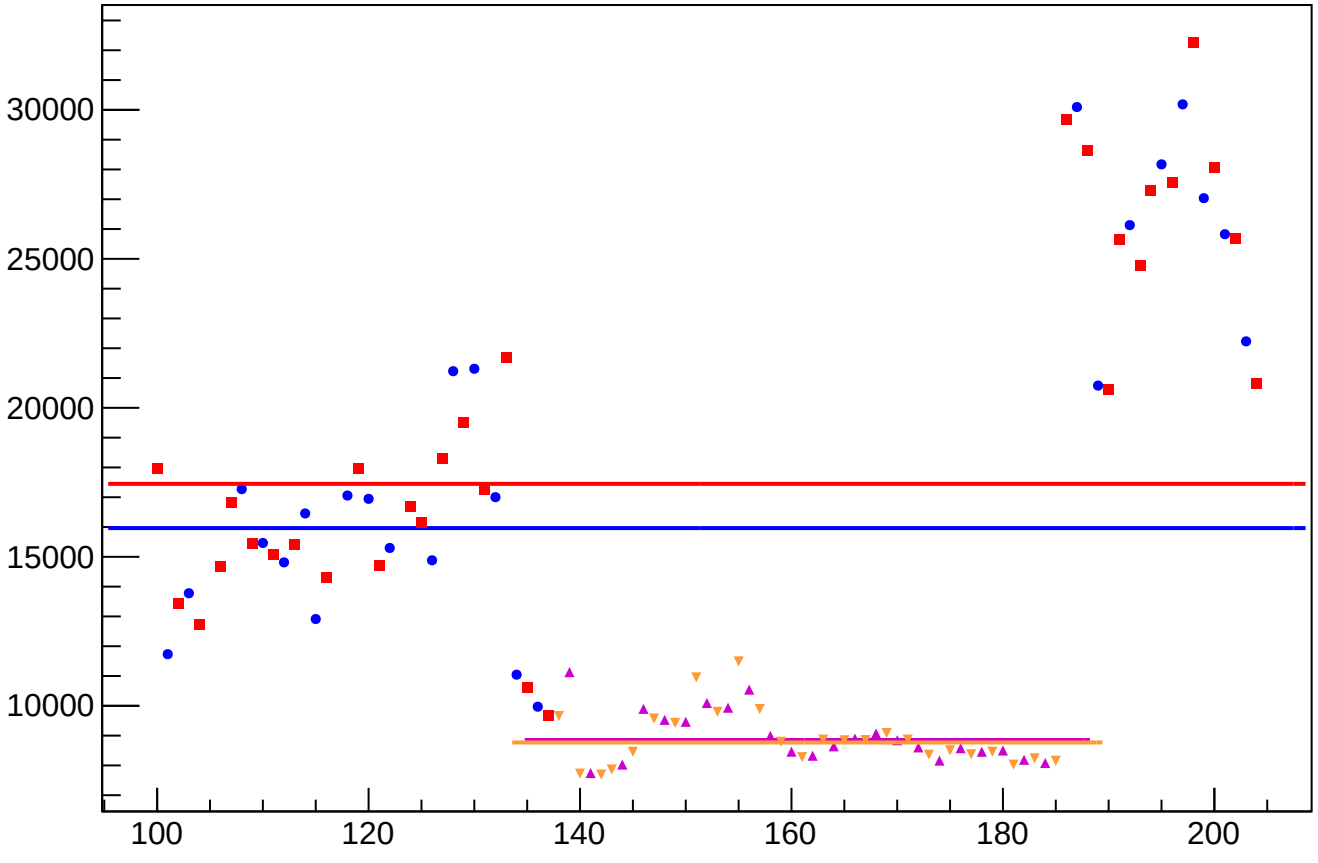
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.201+/-1.845 χ^2/NDF: 89.7/48

All: -5.827+/-1.324 χ^2/NDF: 151.2/101

- sign -2.245+/-1.901 χ^2/NDF: 54.6/52

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 15964.169+/-3.315 χ^2/NDF: 2946793.9/23

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17449.172+/-3.317 χ^2/NDF: 3049853.6/29

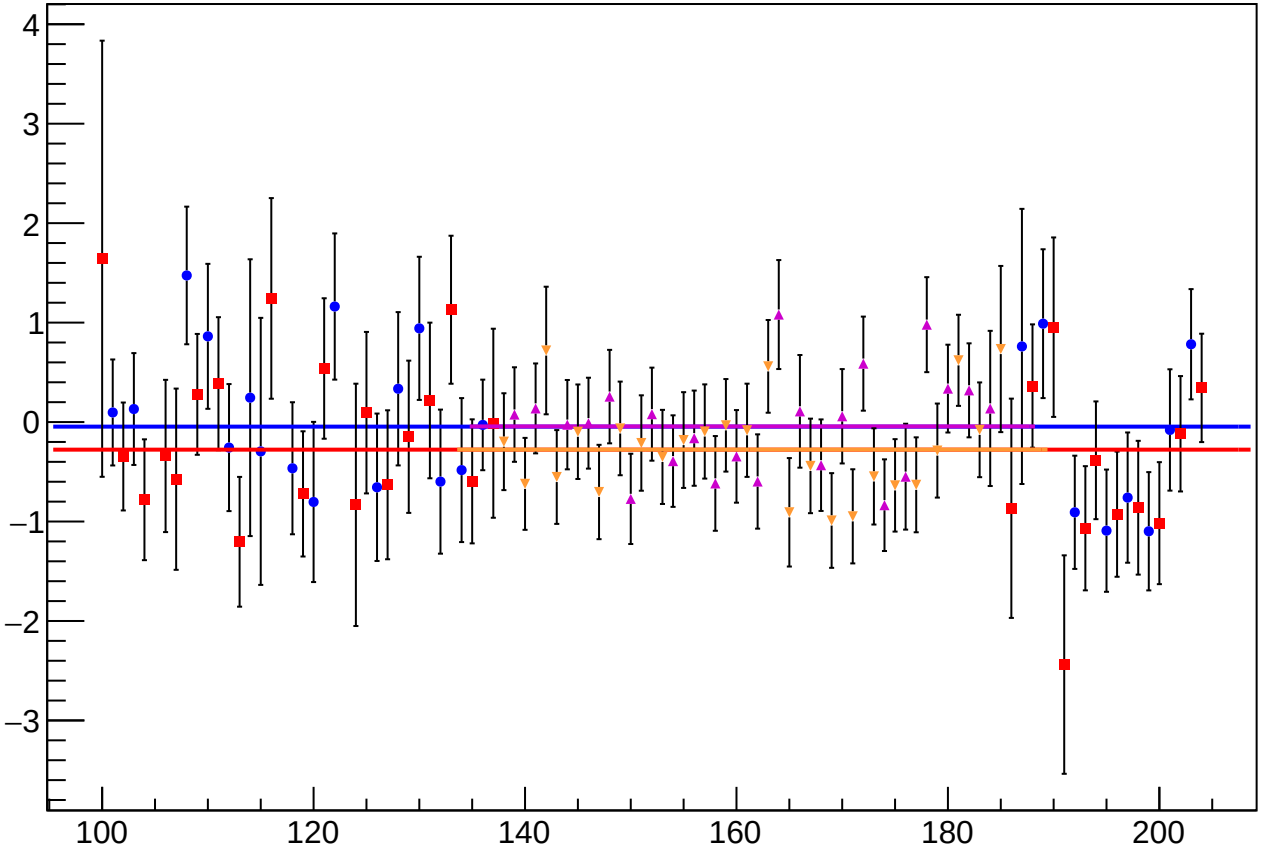
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9884.047+/-1.304 χ^2/NDF: 7272259.0/48

All: 10068.596+/-0.936 χ^2/NDF: 16277393.3

- sign 10264.579+/-1.344 χ^2/NDF: 8963855.3/52

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.046+/-0.137 χ^2/NDF: 28.5/23

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.277+/-0.130 χ^2/NDF: 27.9/29

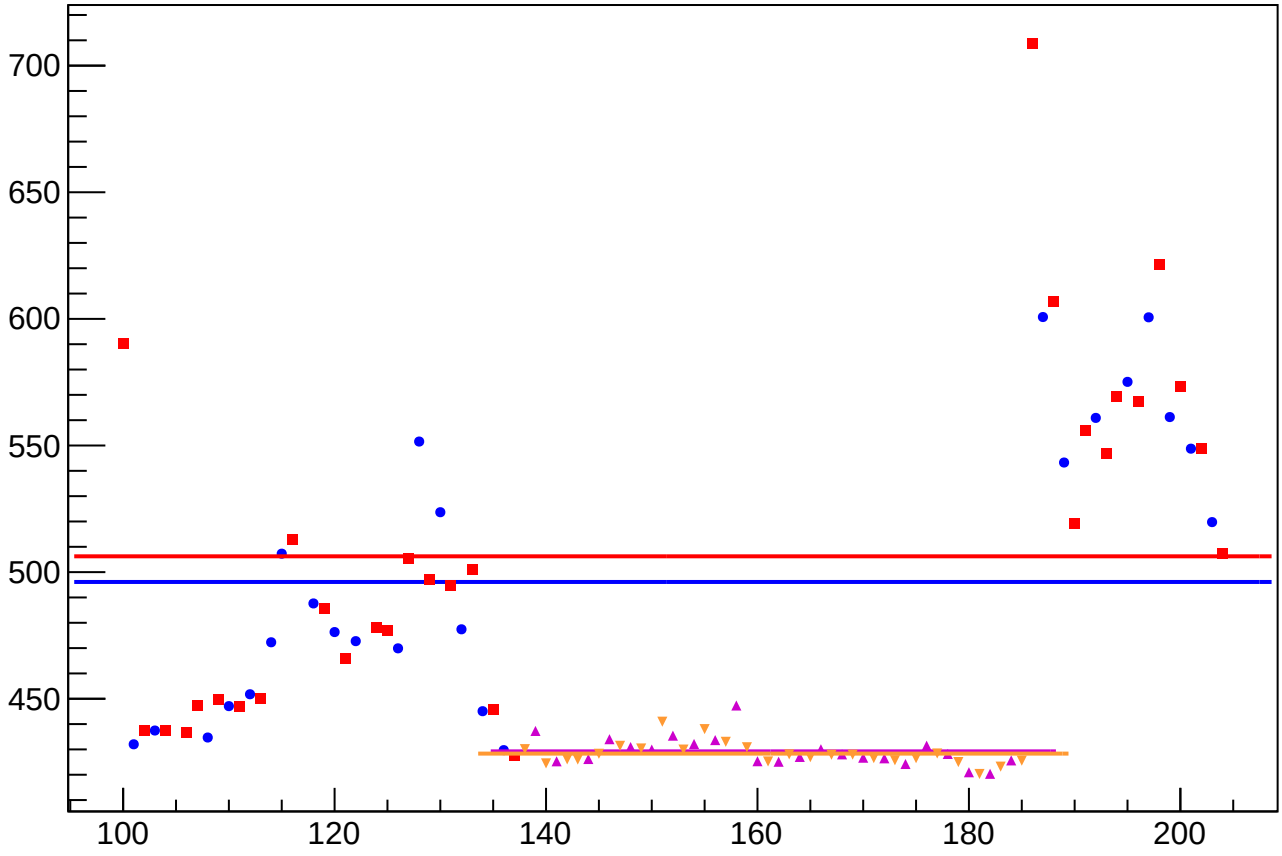
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.199+/-0.079 χ^2/NDF: 51.4/48

All: -0.165+/-0.056 χ^2/NDF: 105.5/101

- sign -0.131+/-0.079 χ^2/NDF: 53.7/52

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 496.119+/-0.097 χ^2/NDF: 330840.3/23

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 506.247+/-0.092 χ^2/NDF: 447024.9/29

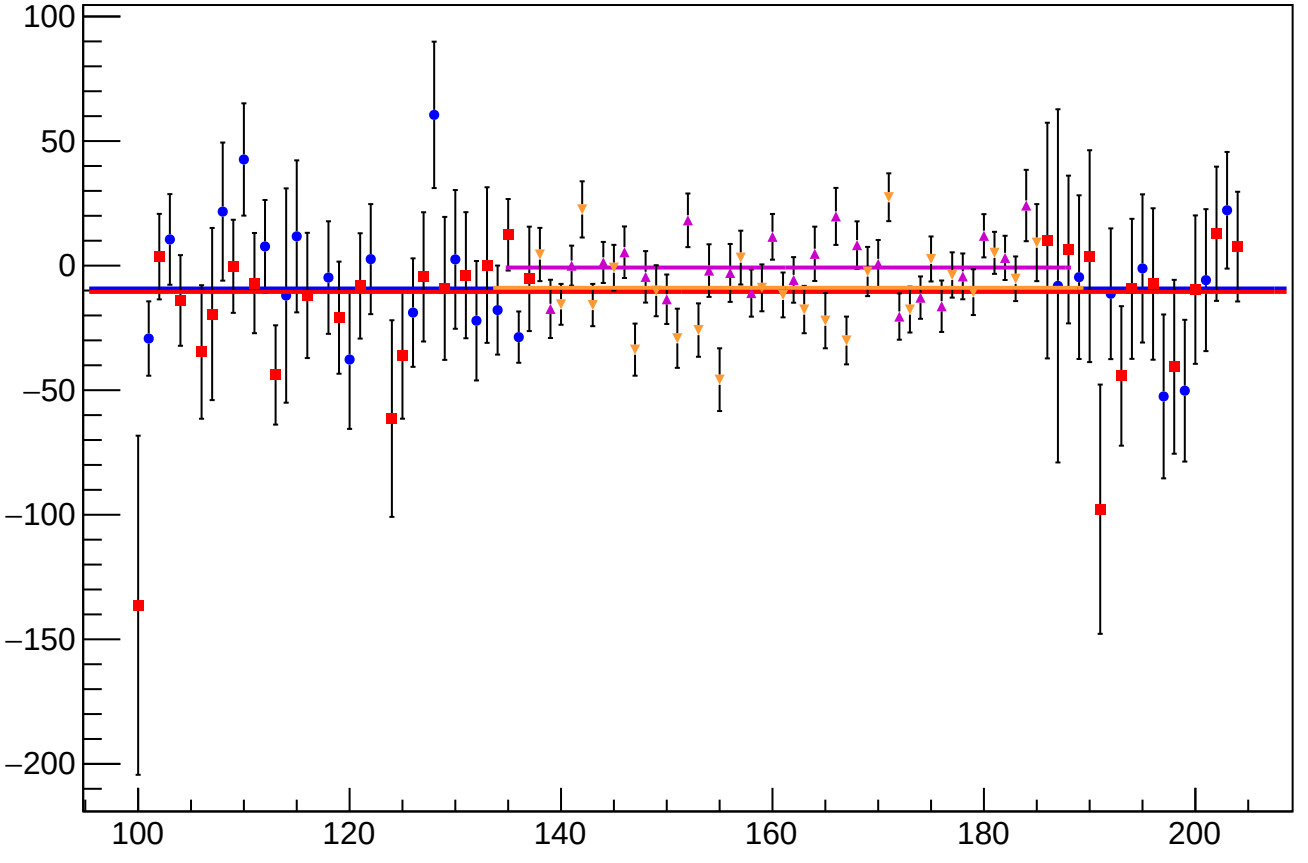
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 451.008+/-0.056 χ^2/NDF: 659335.4/48

All: 454.524+/-0.040 χ^2/NDF: 1562611.8/101

- sign 458.034+/-0.056 χ^2/NDF: 895435.0/52

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -9.184+/-4.547 χ^2/NDF: 28.0/23

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: -10.548+/-4.534 χ^2/NDF: 21.2/29

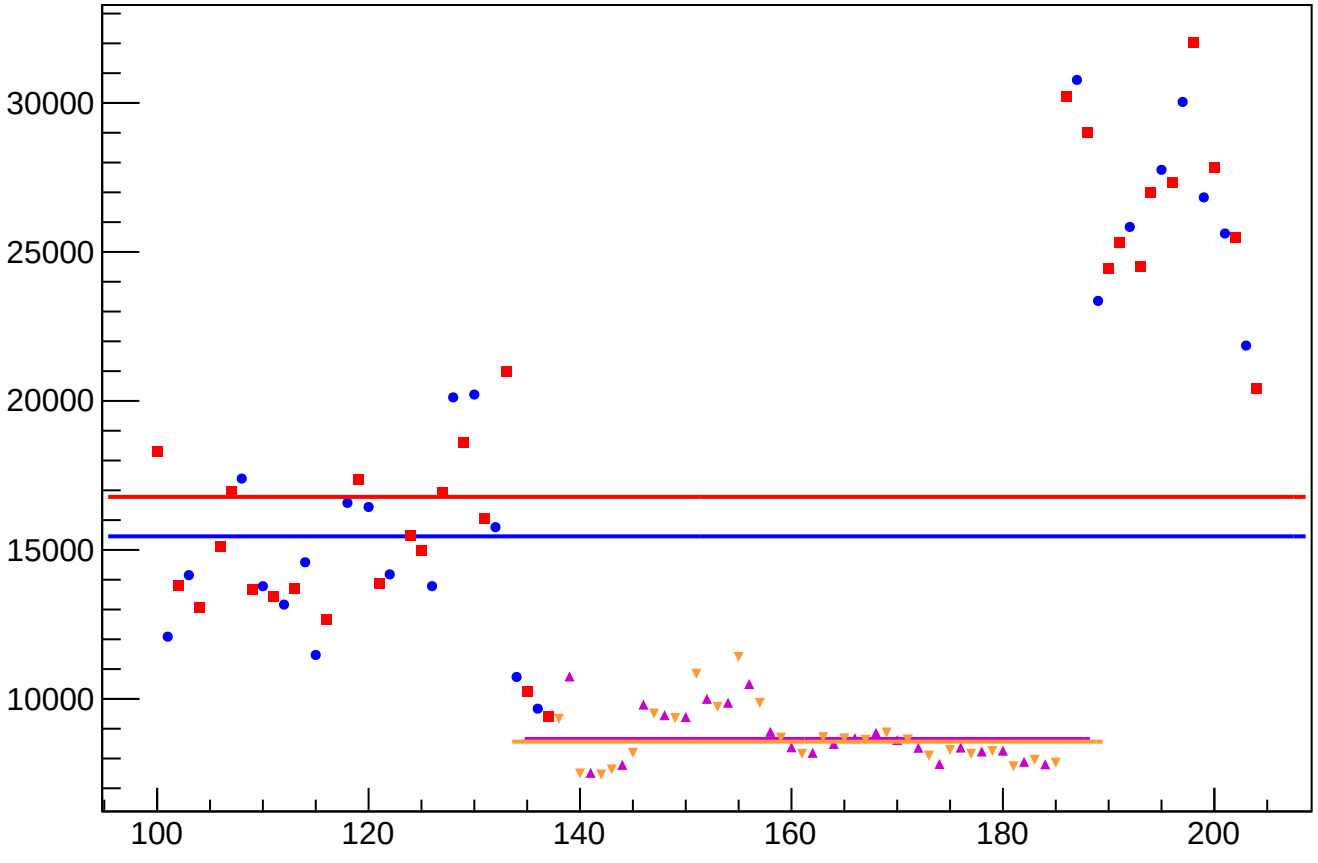
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -8.948+/-1.801 χ^2/NDF: 89.6/48

All: -5.778+/-1.292 χ^2/NDF: 150.3/101

- sign -2.410+/-1.856 χ^2/NDF: 54.4/52

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 15455.568+/-3.216 χ^2/NDF: 3084346.1/23

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 16779.334+/-3.206 χ^2/NDF: 3324058.8/29

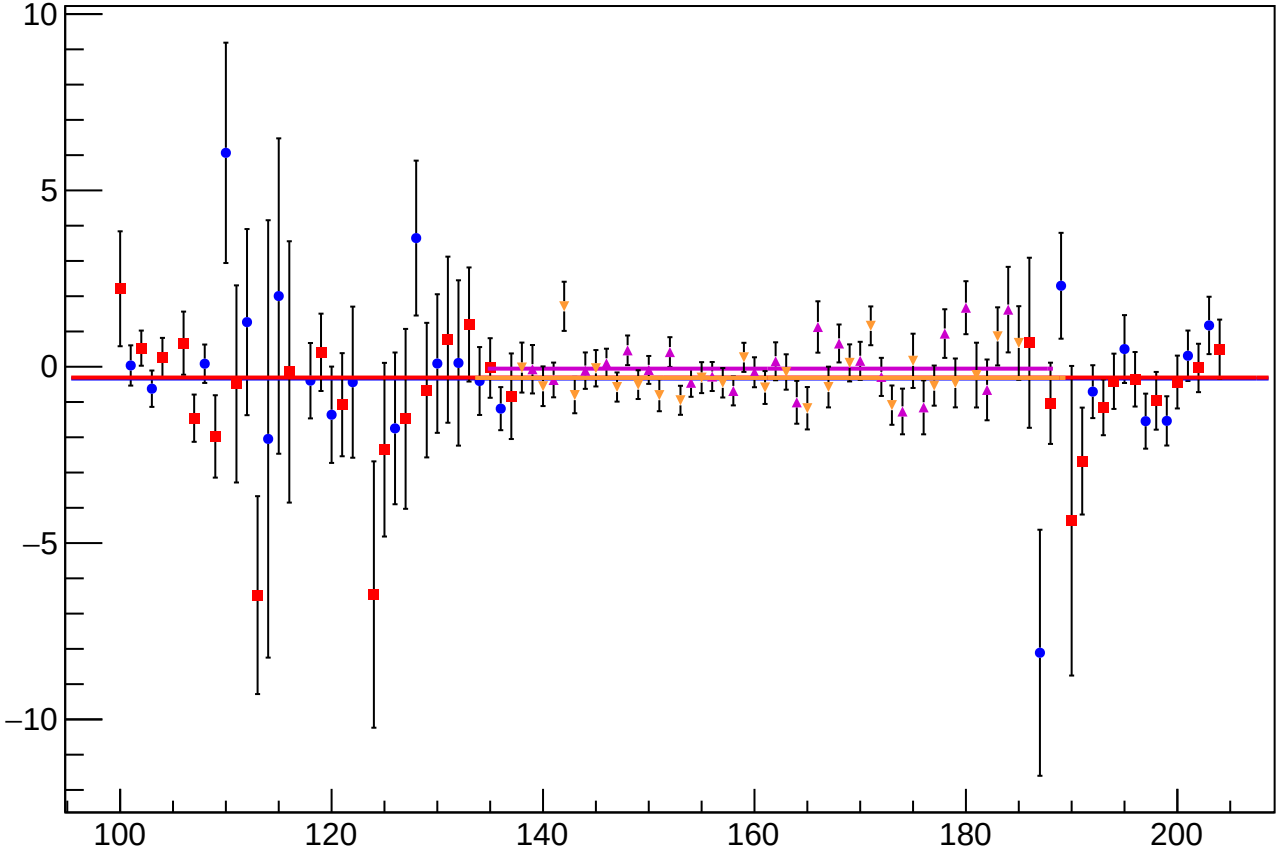
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9644.828+/-1.273 χ^2/NDF: 7357774.9/48

All: 9824.621+/-0.914 χ^2/NDF: 16415908.9/1

- sign 10015.592+/-1.312 χ^2/NDF: 9017012.4/52

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.334+/-0.191 χ^2/NDF: 31.2/23

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

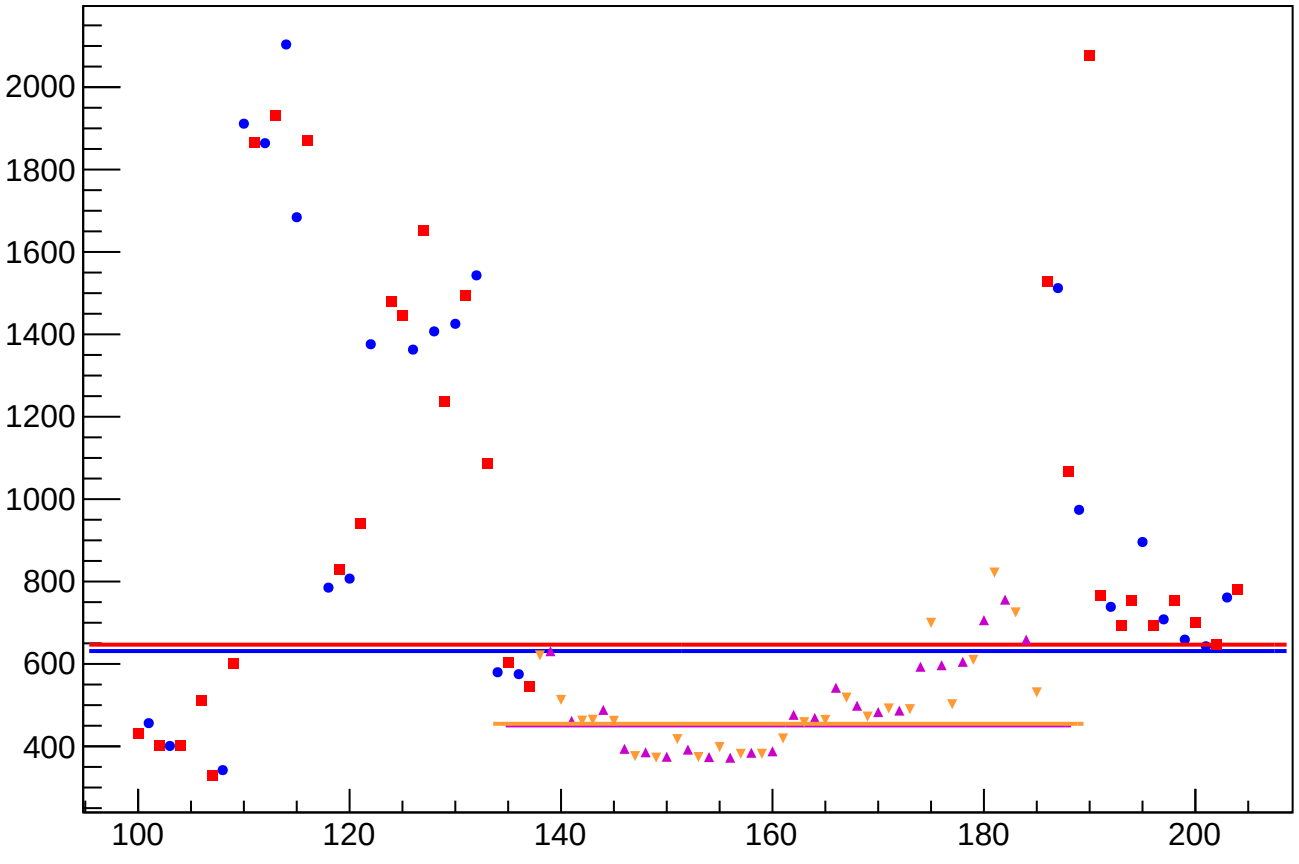
Right Out: -0.306+/-0.183 χ^2/NDF: 29.7/29

Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.321+/-0.093 χ^2/NDF: 63.5/48

All: -0.221+/-0.066 χ^2/NDF: 126.7/101

- sign -0.119+/-0.093 χ^2/NDF: 60.9/52



Right In: 631.282+/-0.135 χ^2/NDF: 4093825.2/23

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 646.794+/-0.129 χ^2/NDF: 4698200.7/29

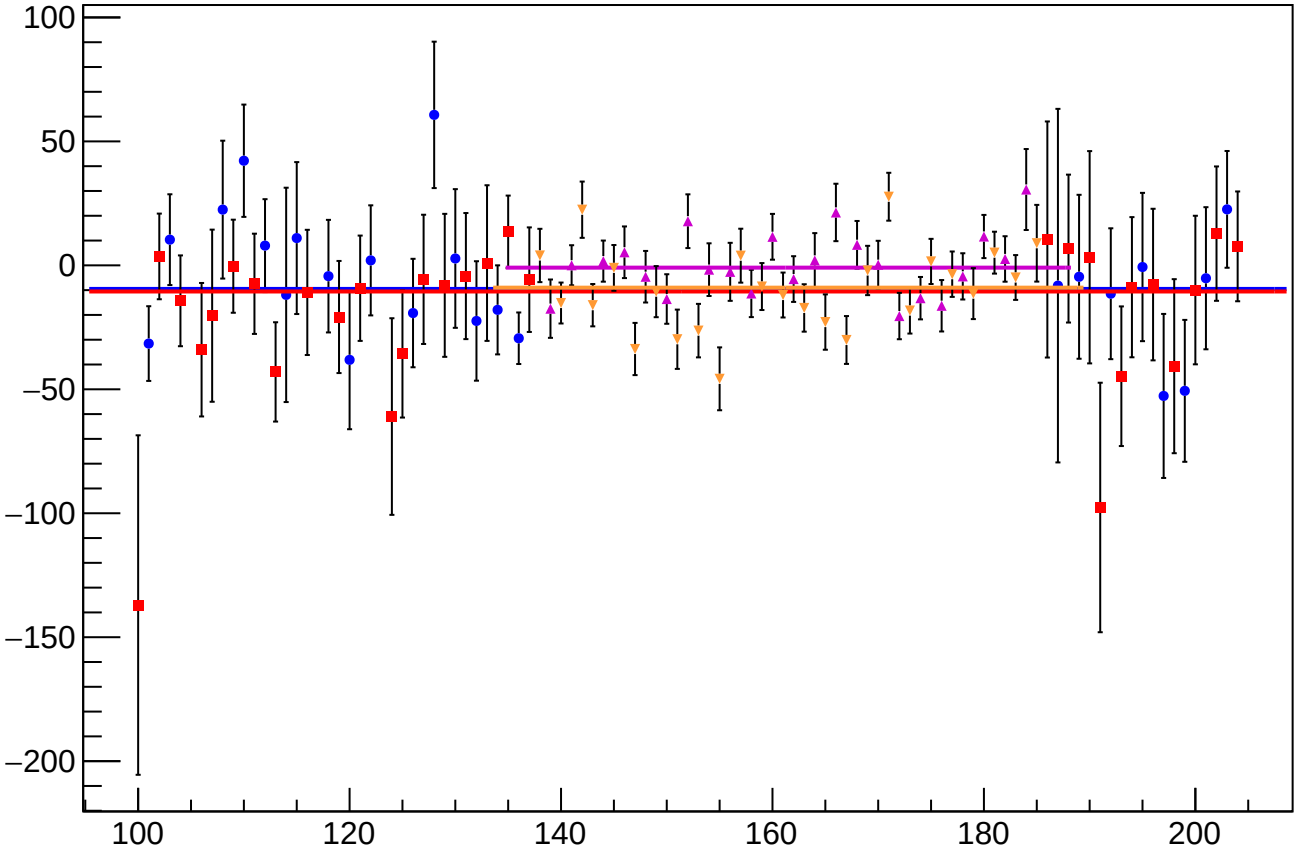
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 496.161+/-0.066 χ^2/NDF: 6849064.1/48

All: 498.823+/-0.046 χ^2/NDF: 14723298.0/10

- sign 501.509+/-0.066 χ^2/NDF: 7870920.0/52

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.508+/-4.577 χ^2/NDF: 28.5/23

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

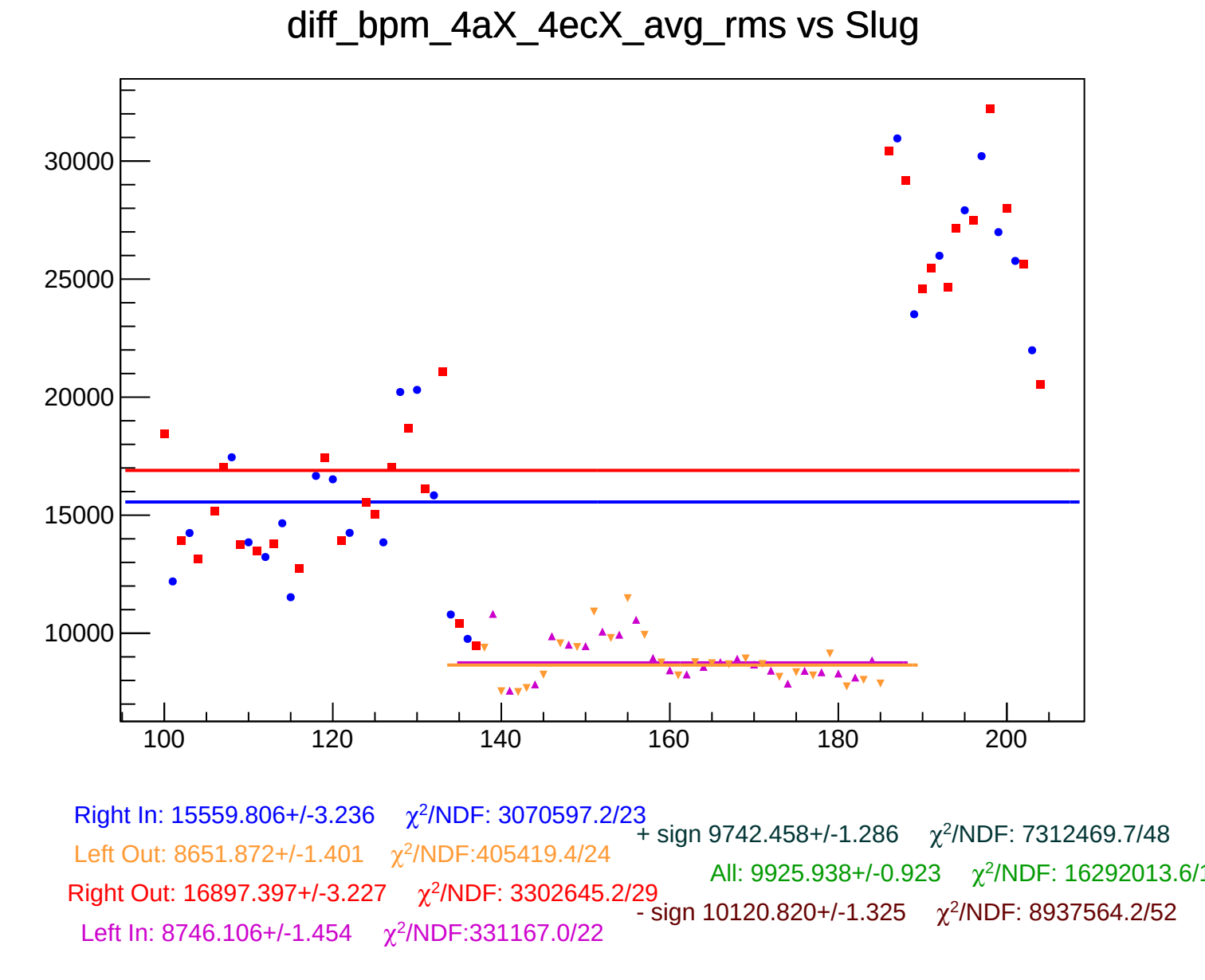
Right Out: -10.543+/-4.564 χ^2/NDF: 21.0/29

Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

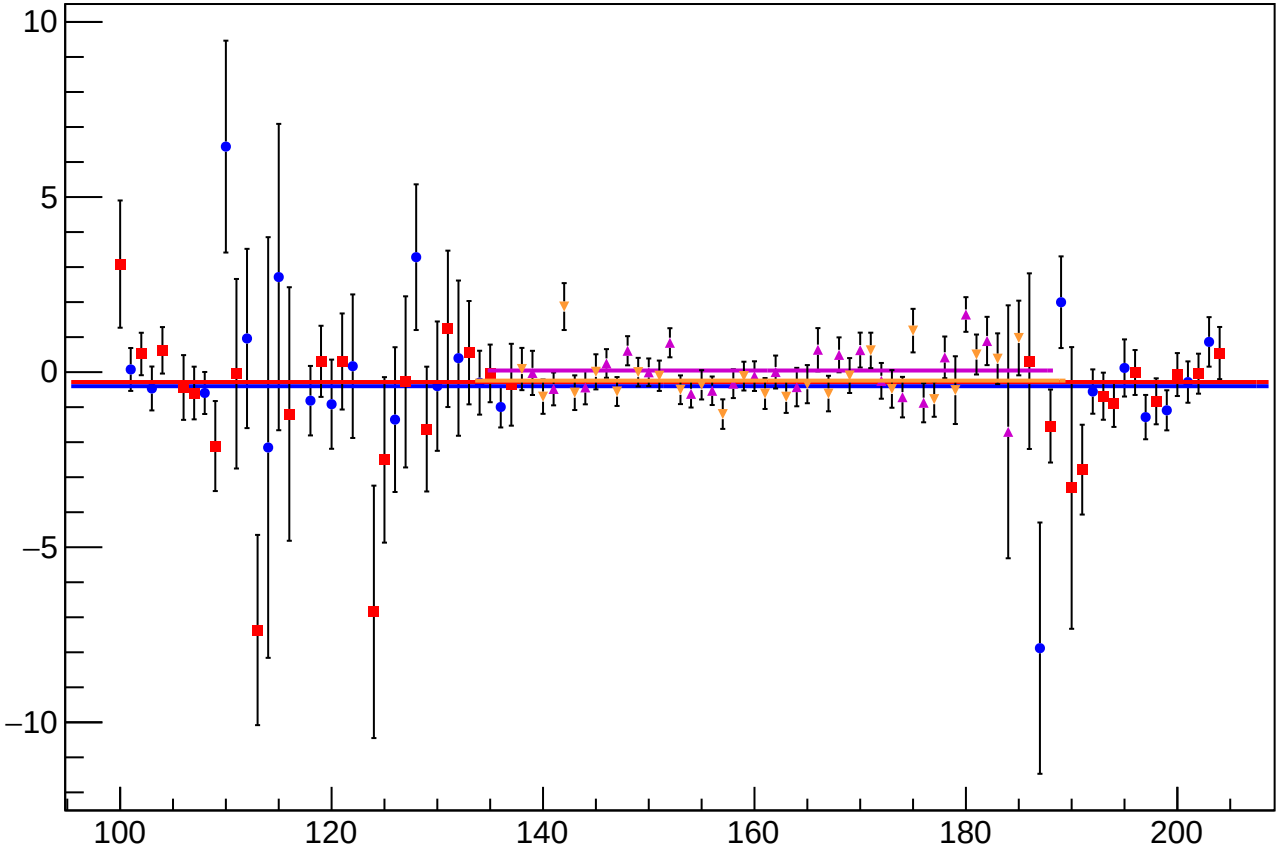
+ sign -9.081+/-1.819 χ^2/NDF: 89.8/48

All: -5.912+/-1.305 χ^2/NDF: 150.6/101

- sign -2.547+/-1.874 χ^2/NDF: 54.5/52


diff_bpm_4aX_4ecX_avg_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15559.806+/-3.236 χ²/NDF: 3070597.2/23
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 16897.397+/-3.227 χ²/NDF: 3302645.2/29
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
+ sign 9742.458+/-1.286 χ²/NDF: 7312469.7/48
All: 9925.938+/-0.923 χ²/NDF: 16292013.6/1
- sign 10120.820+/-1.325 χ²/NDF: 8937564.2/52

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.402+/-0.181 χ^2/NDF: 26.5/23

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.282+/-0.174 χ^2/NDF: 31.9/29

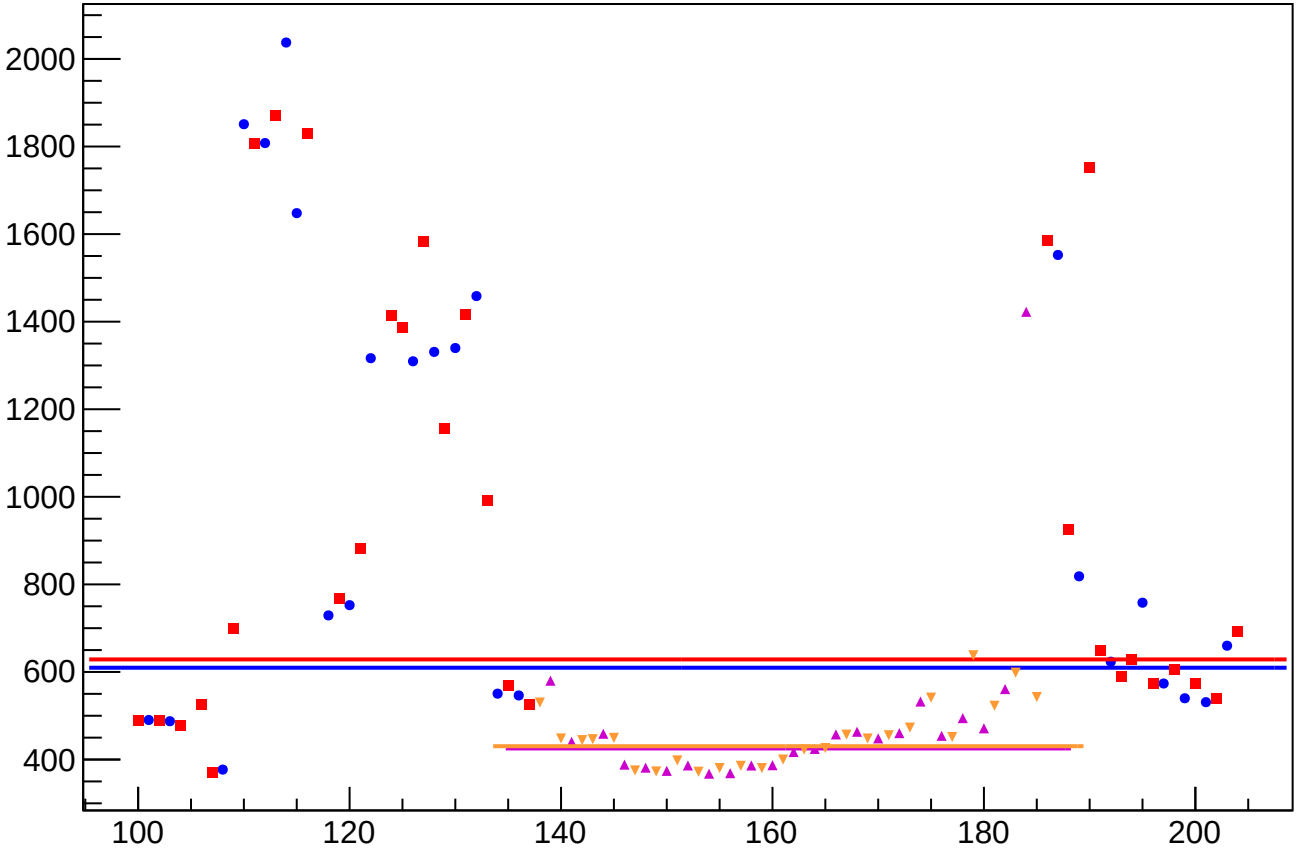
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.279+/-0.088 χ^2/NDF: 61.4/48

All: -0.158+/-0.062 χ^2/NDF: 134.8/101

- sign -0.037+/-0.088 χ^2/NDF: 69.6/52

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 609.672+/-0.128 χ^2/NDF: 3190743.9/23

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

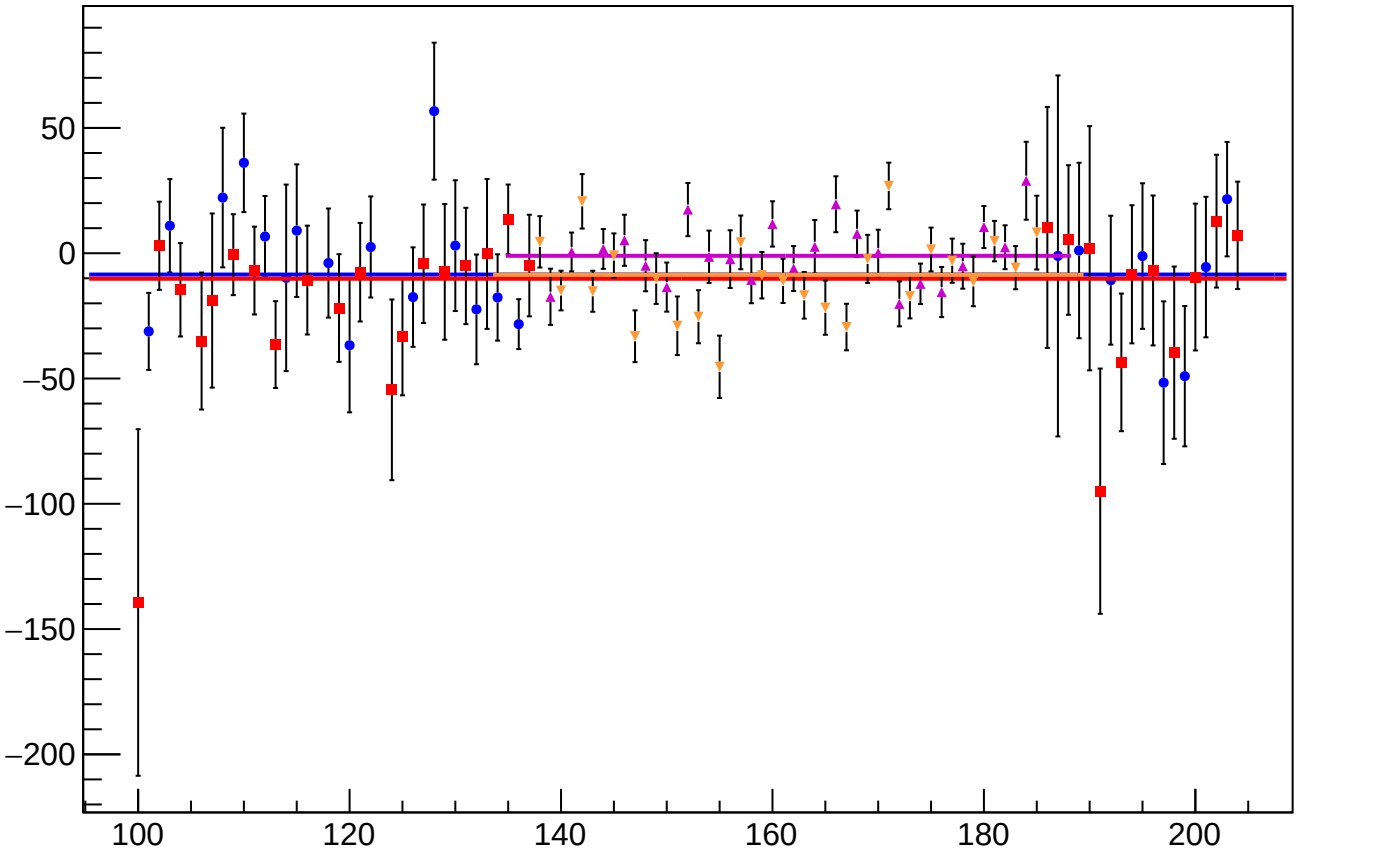
Right Out: 628.649+/-0.123 χ^2/NDF: 3503814.8/29

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 472.330+/-0.062 χ^2/NDF: 5334316.2/48

All: 474.570+/-0.044 χ^2/NDF: 11587262.8/10

- sign 476.812+/-0.062 χ^2/NDF: 6250337.5/52



Right In: -8.510+/-4.348 χ^2/NDF: 28.9/23

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: -10.192+/-4.309 χ^2/NDF: 20.8/29

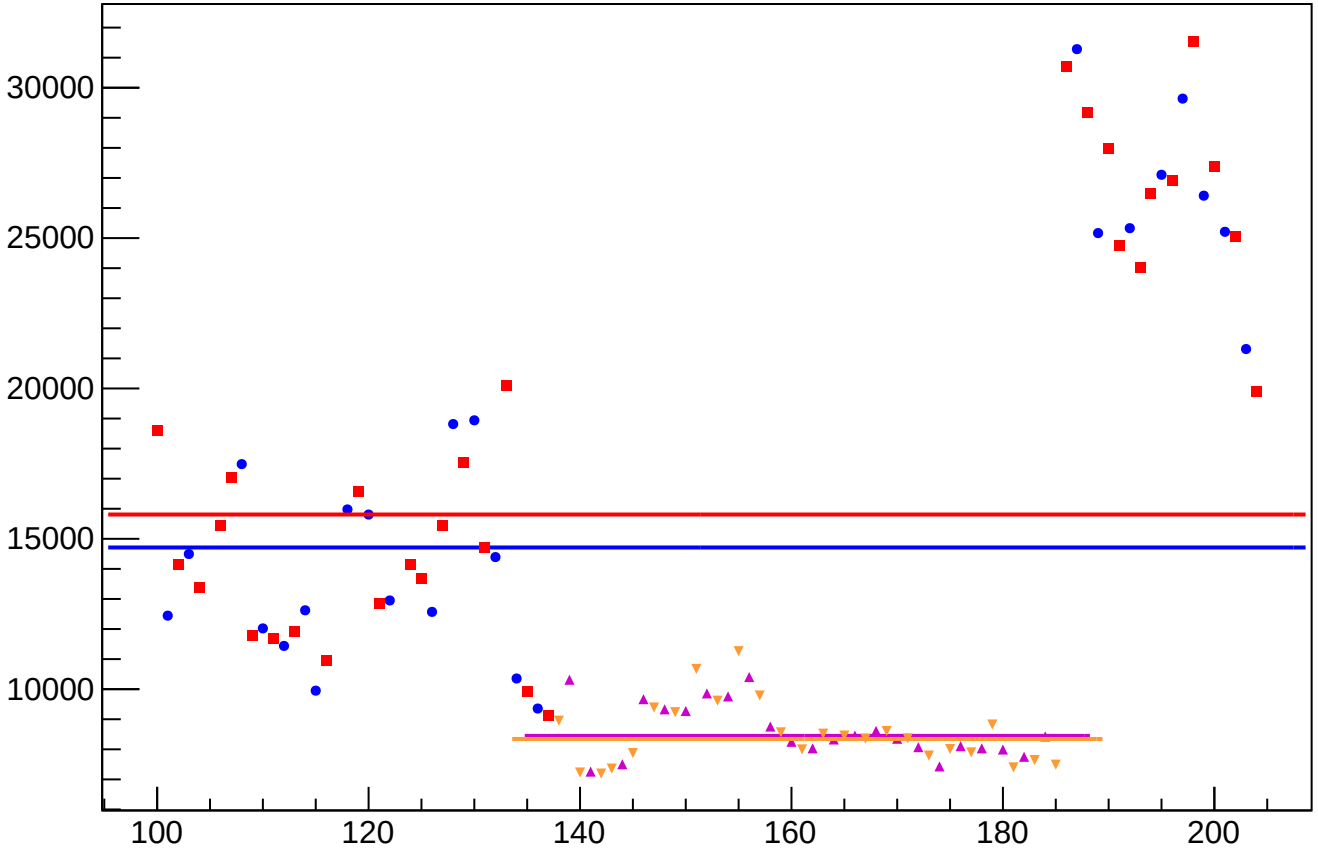
Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -8.604+/-1.751 χ^2/NDF: 90.5/48

All: -5.708+/-1.257 χ^2/NDF: 150.5/101

- sign -2.634+/-1.804 χ^2/NDF: 54.4/52

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 14711.850+/-3.074 χ^2/NDF: 3314524.8/23

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 15808.309+/-3.047 χ^2/NDF: 3775149.0/29

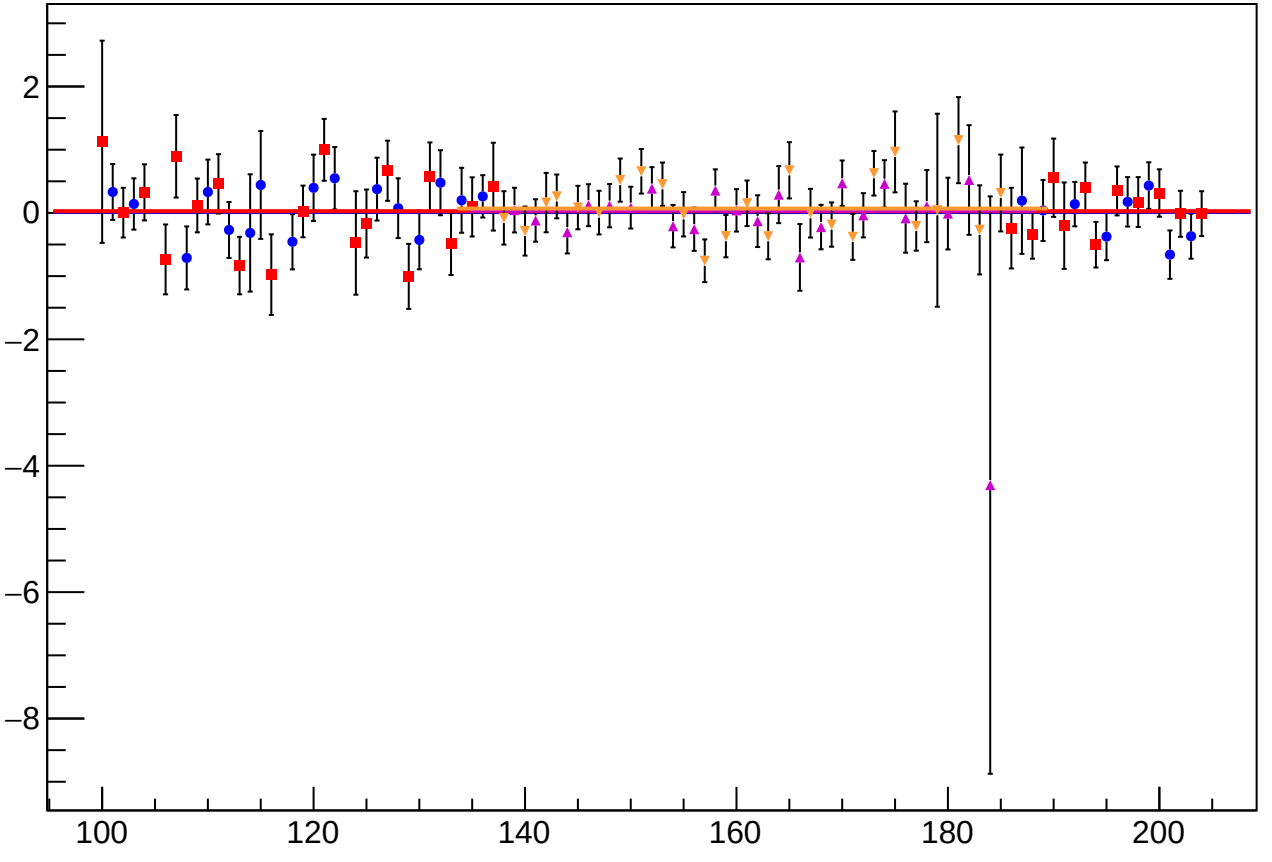
Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 9377.134+/-1.238 χ^2/NDF: 7377795.6/48

All: 9551.898+/-0.888 χ^2/NDF: 16390976.9/1

- sign 9737.415+/-1.276 χ^2/NDF: 8972109.9/52

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.014+/-0.092 χ^2/NDF: 16.7/23

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.027+/-0.086 χ^2/NDF: 30.8/29

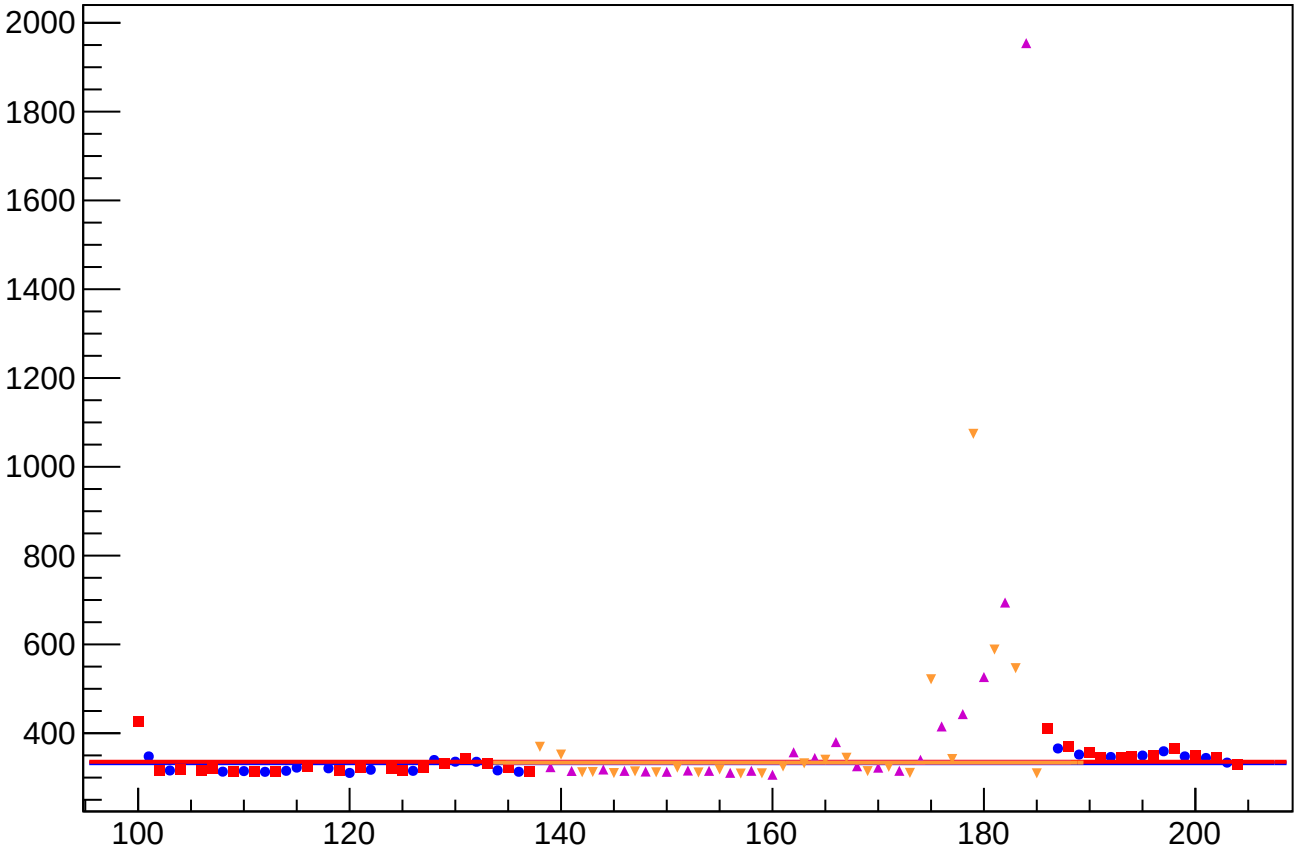
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.046+/-0.060 χ^2/NDF: 45.1/48

All: 0.039+/-0.042 χ^2/NDF: 87.6/101

- sign 0.033+/-0.059 χ^2/NDF: 42.5/52

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 332.476+/-0.065 χ^2/NDF: 62700.8/23

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 335.681+/-0.061 χ^2/NDF: 115734.9/29

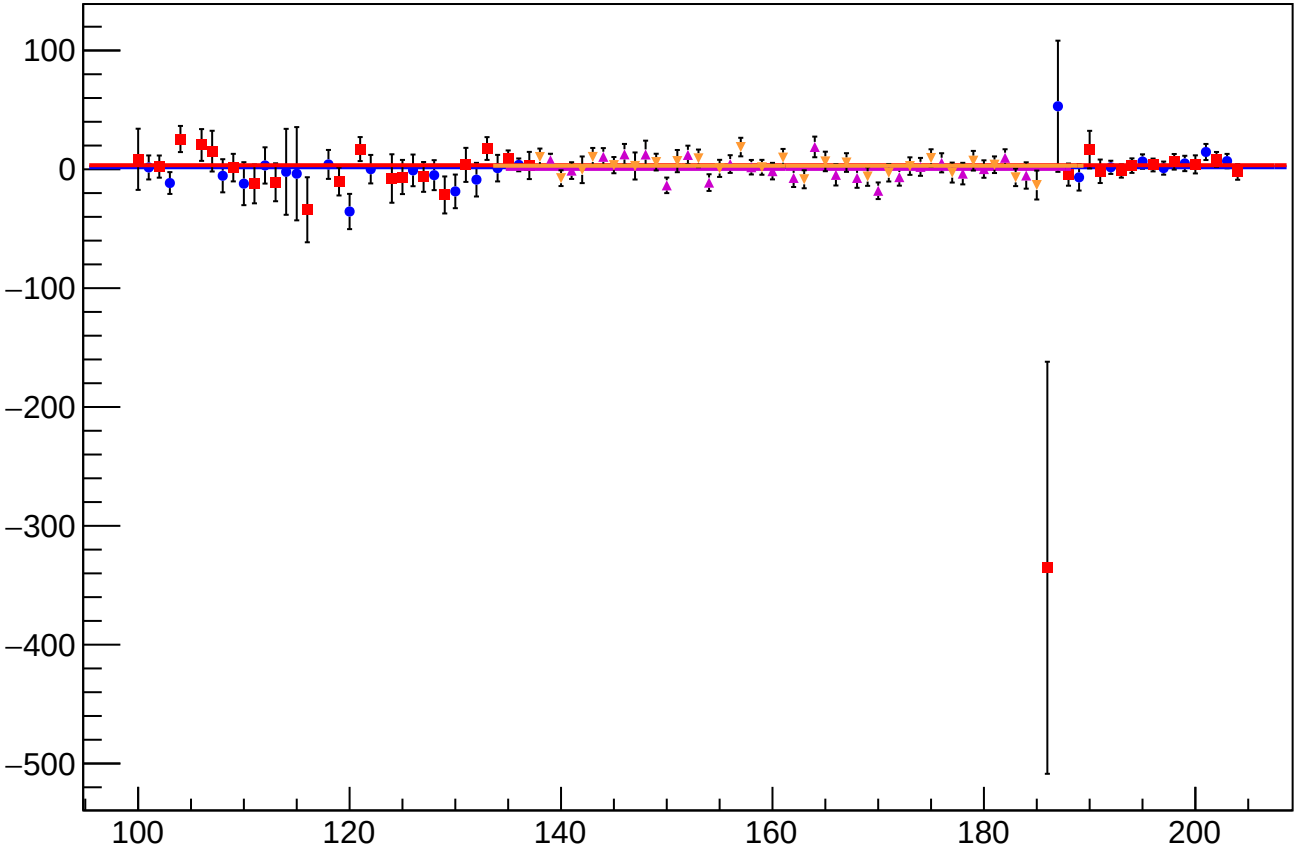
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 333.226+/-0.042 χ^2/NDF: 1280191.0/48

All: 334.018+/-0.030 χ^2/NDF: 2448014.9/101

- sign 334.782+/-0.042 χ^2/NDF: 1167136.6/52

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: 1.739+/-1.851 χ^2/NDF: 19.1/23

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

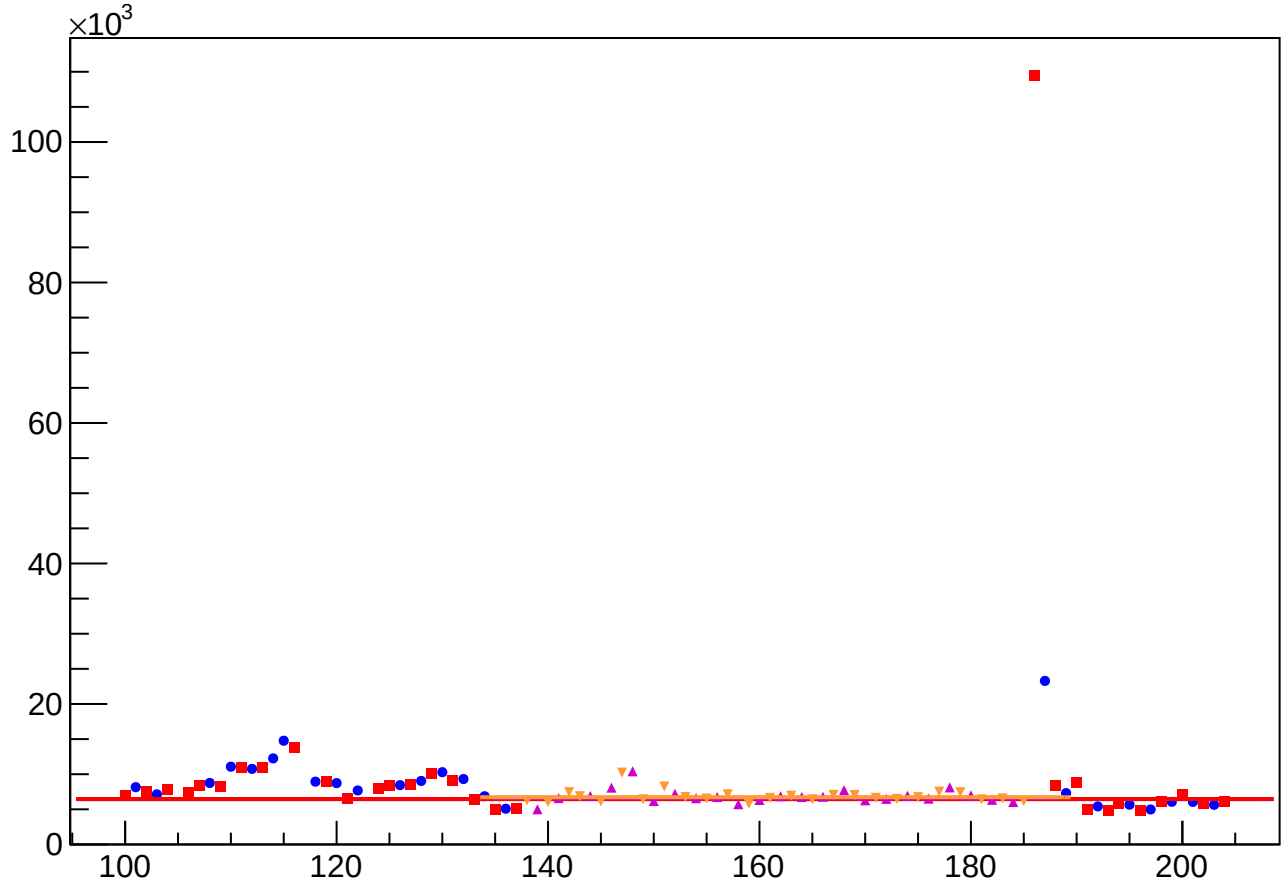
Right Out: 3.461+/-1.732 χ^2/NDF: 27.5/29

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 2.497+/-1.185 χ^2/NDF: 39.7/48

All: 2.118+/-0.830 χ^2/NDF: 102.9/101

- sign 1.753+/-1.162 χ^2/NDF: 63.1/52



Right In: 6458.124+/-1.309 χ^2/NDF: 1687049.8/23

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6466.132+/-1.224 χ^2/NDF: 2370051.3/29

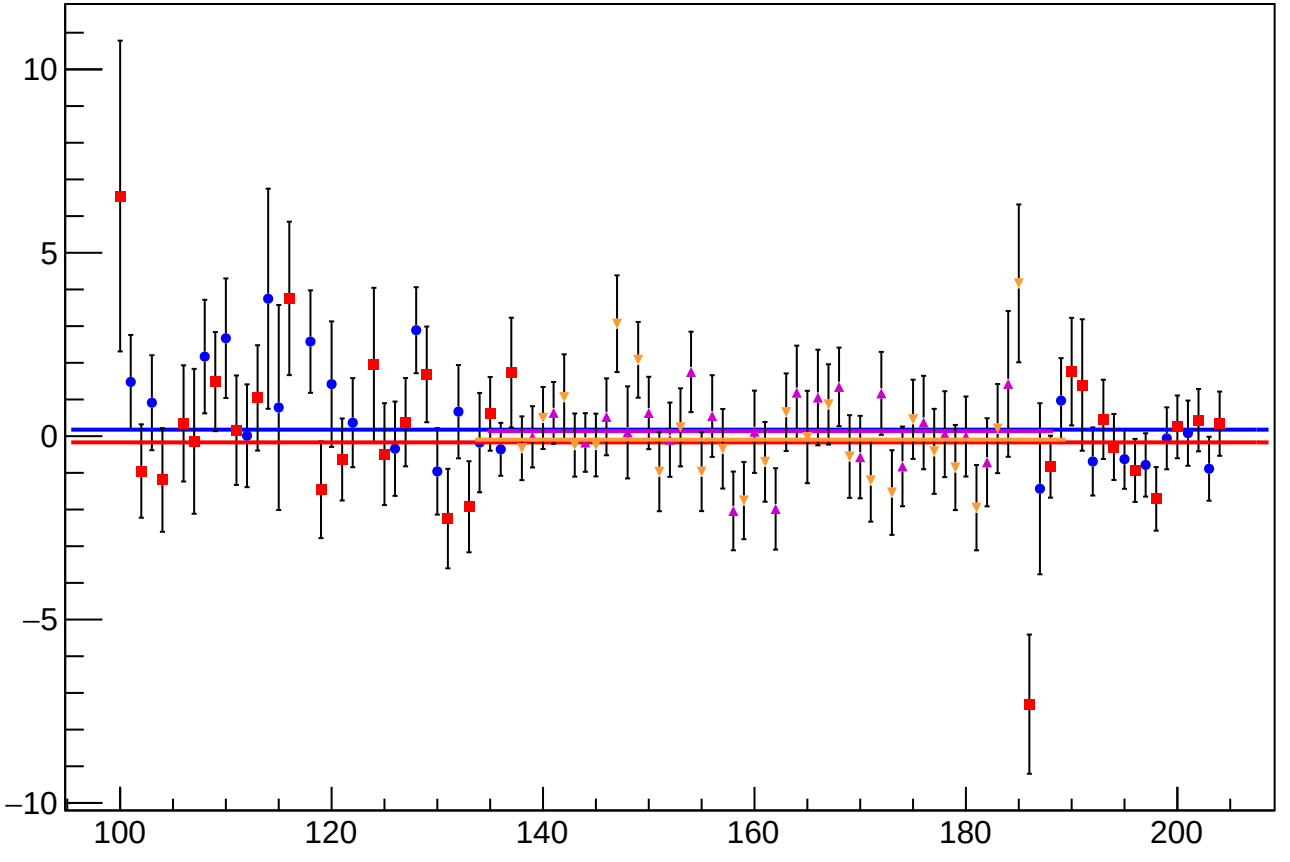
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6614.525+/-0.838 χ^2/NDF: 2114541.5/48

All: 6585.552+/-0.587 χ^2/NDF: 5126600.7/10

- sign 6557.654+/-0.822 χ^2/NDF: 3009711.0/52

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.178+/-0.233 χ^2/NDF: 23.2/23

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.169+/-0.219 χ^2/NDF: 42.9/29

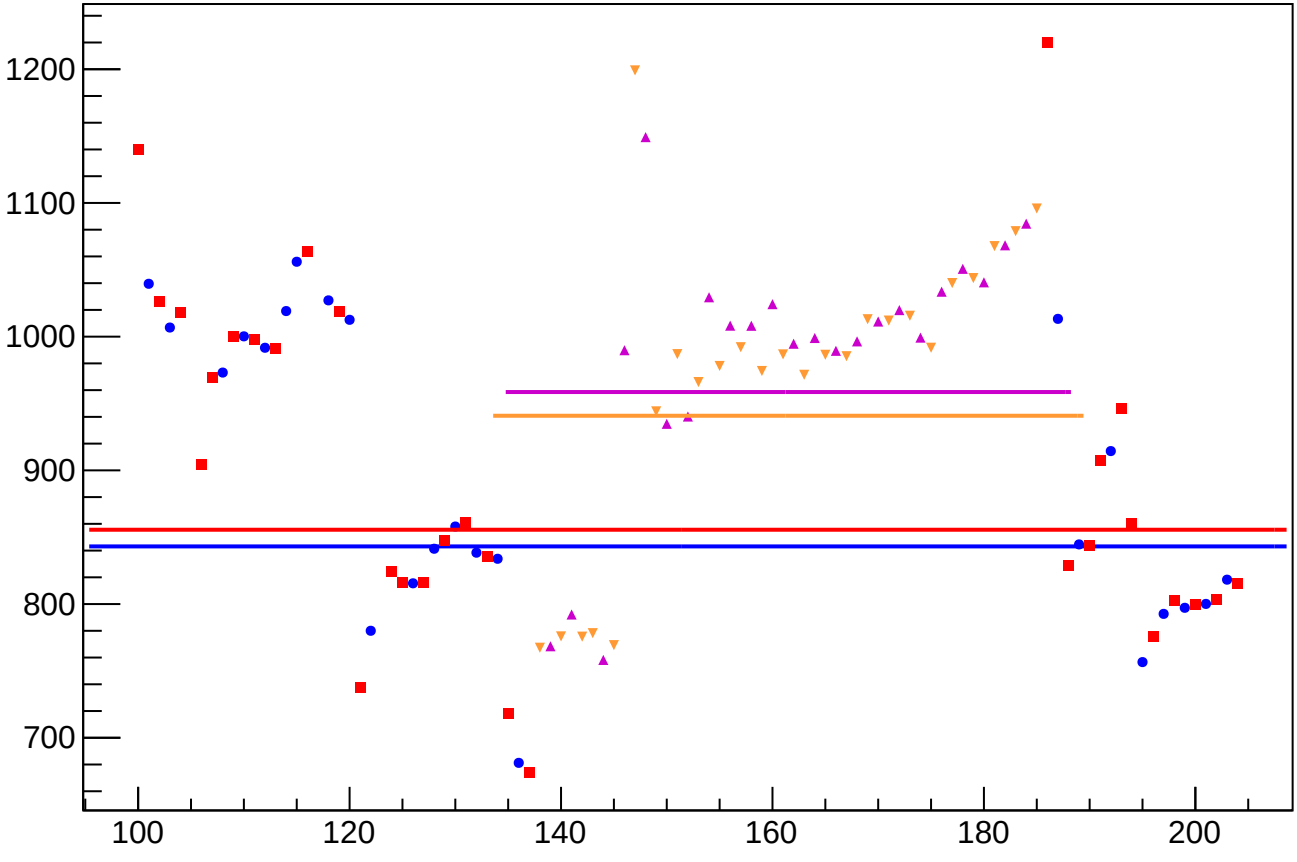
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.031+/-0.158 χ^2/NDF: 51.2/48

All: 0.005+/-0.111 χ^2/NDF: 111.7/101

- sign -0.020+/-0.157 χ^2/NDF: 60.4/52

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 843.120+/-0.165 χ^2/NDF: 378769.5/23

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 855.588+/-0.155 χ^2/NDF: 419327.3/29

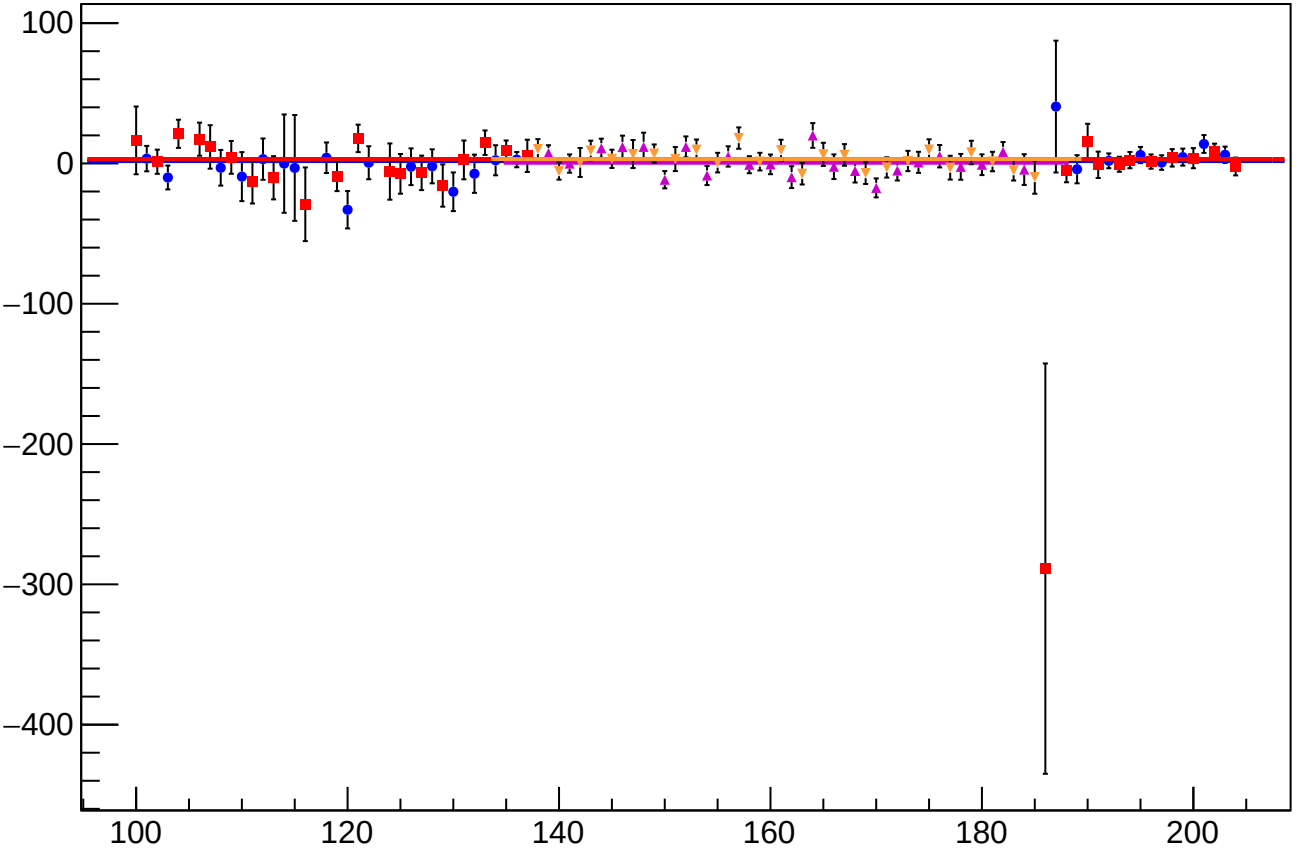
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 895.897+/-0.112 χ^2/NDF: 1136928.5/48

All: 900.792+/-0.079 χ^2/NDF: 2231729.5/101

- sign 905.612+/-0.111 χ^2/NDF: 1091004.1/52

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: 1.702+/-1.760 χ^2/NDF: 18.6/23

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 3.156+/-1.640 χ^2/NDF: 26.0/29

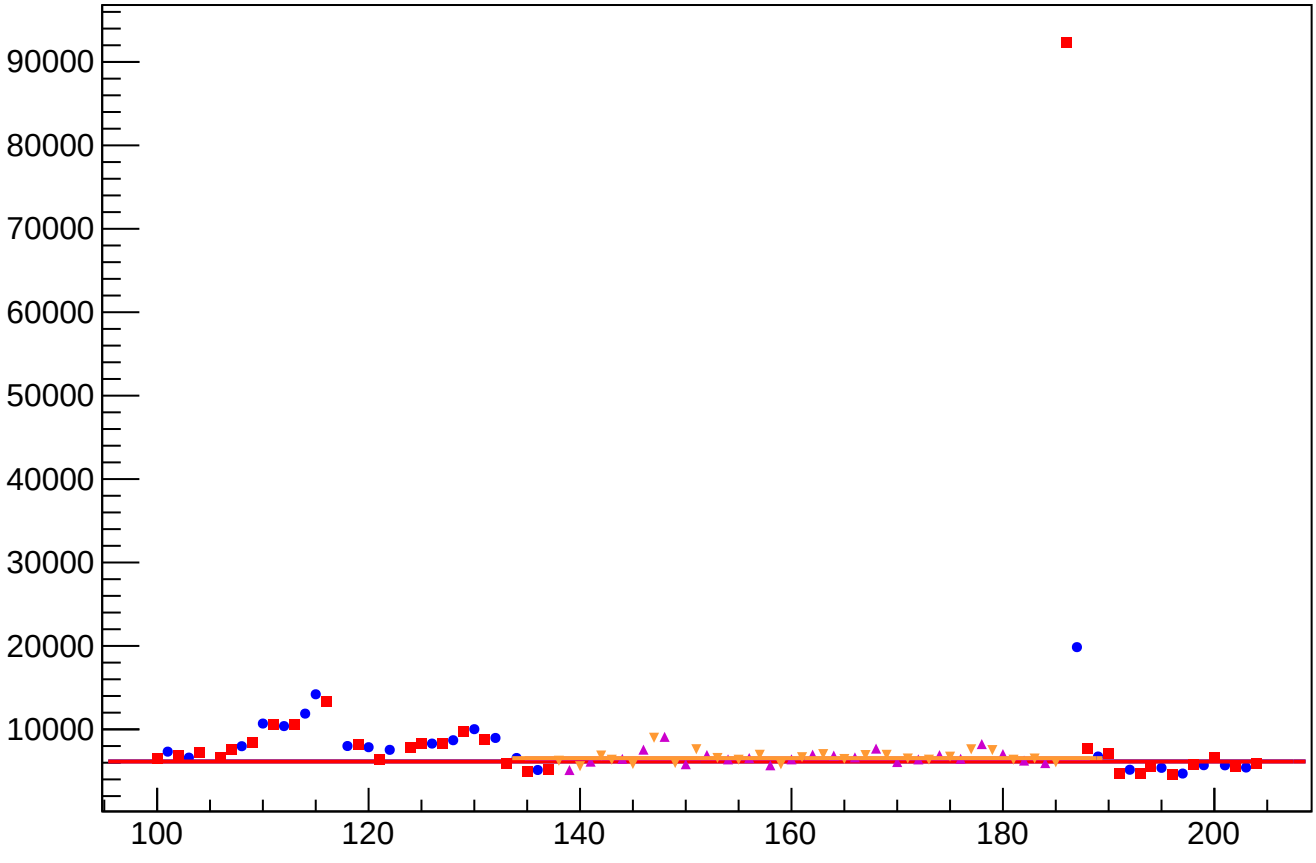
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 2.511+/-1.142 χ^2/NDF: 37.6/48

All: 2.124+/-0.800 χ^2/NDF: 97.2/101

- sign 1.750+/-1.120 χ^2/NDF: 59.4/52

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6156.111+/-1.244 χ^2/NDF: 1594866.6/23

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6142.515+/-1.159 χ^2/NDF: 2297149.8/29

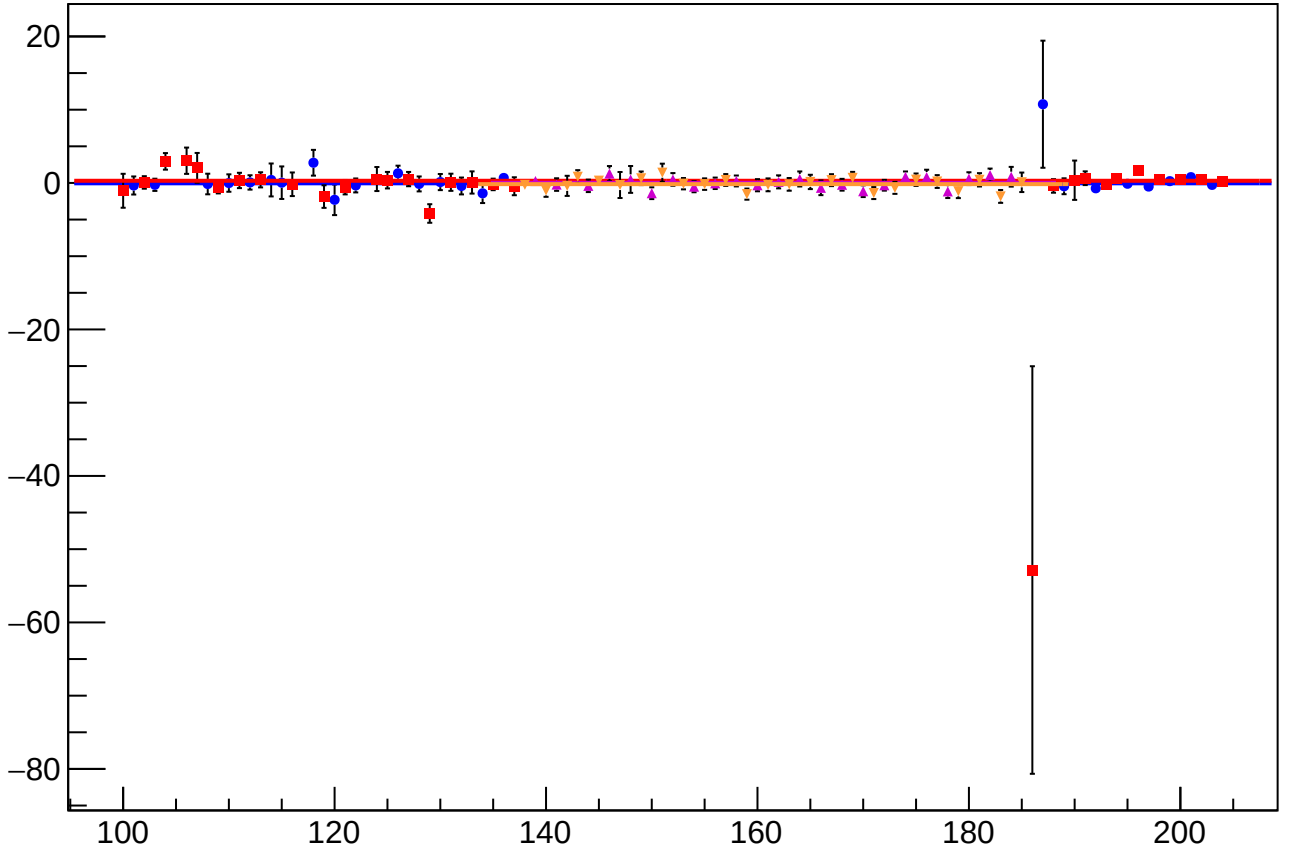
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6383.555+/-0.807 χ^2/NDF: 2018649.6/48

All: 6359.197+/-0.565 χ^2/NDF: 4885201.0/10

- sign 6335.731+/-0.792 χ^2/NDF: 2864763.6/52

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.051+/-0.171 χ^2/NDF: 14.7/23

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.297+/-0.159 χ^2/NDF: 37.9/29

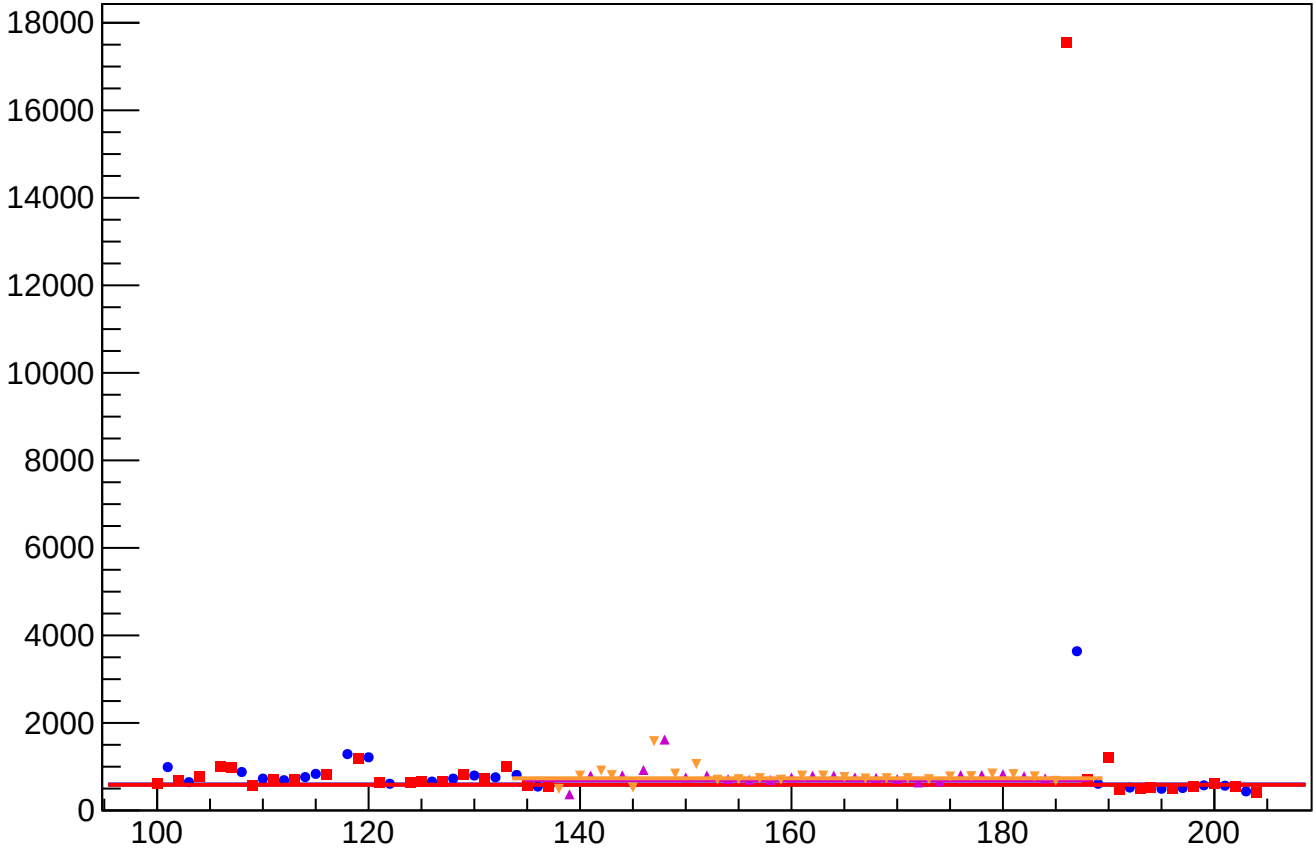
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

\+ sign -0.106+/-0.121 χ^2/NDF: 33.9/48

All: 0.036+/-0.084 χ^2/NDF: 91.1/101

\- sign 0.166+/-0.116 χ^2/NDF: 54.6/52

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 592.763+/-0.121 χ^2/NDF: 1710193.2/23

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 586.631+/-0.112 χ^2/NDF: 2267956.0/29

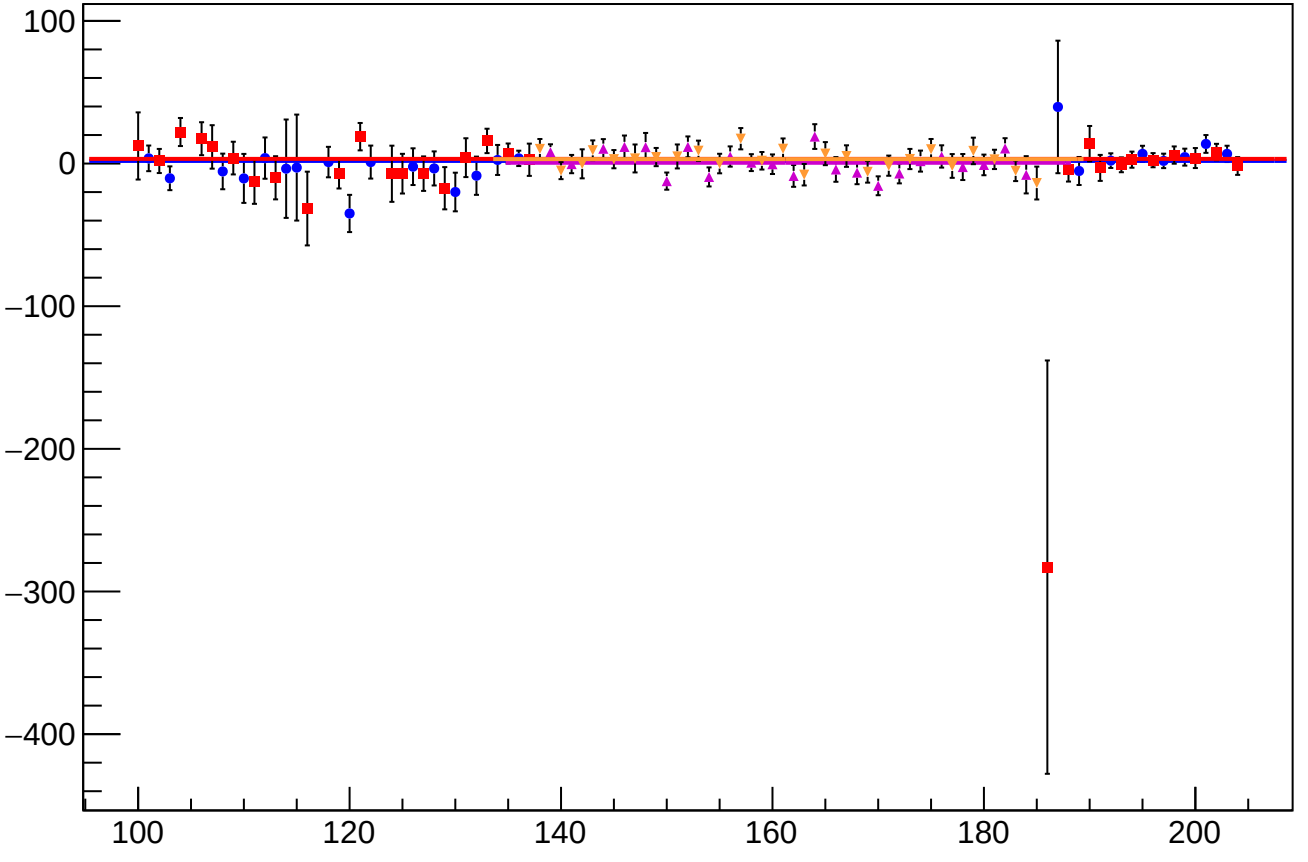
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 663.384+/-0.086 χ^2/NDF: 3737414.1/48

All: 649.595+/-0.059 χ^2/NDF: 8709531.2/101

- sign 637.035+/-0.082 χ^2/NDF: 4922721.8/52

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: 1.847+/-1.725 χ^2/NDF: 21.2/23

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 3.278+/-1.606 χ^2/NDF: 27.1/29

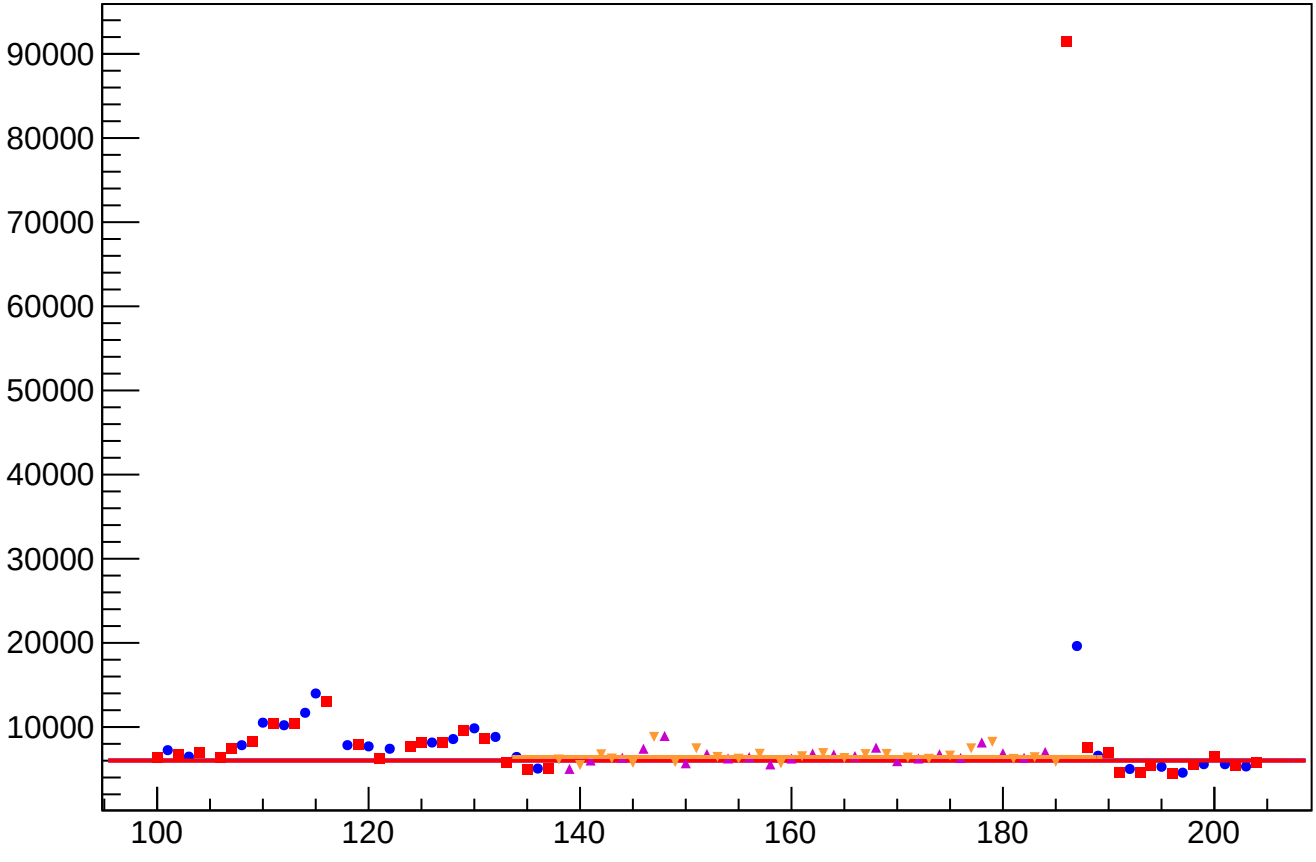
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 2.577+/-1.122 χ^2/NDF: 40.2/48

All: 2.197+/-0.786 χ^2/NDF: 102.6/101

- sign 1.832+/-1.101 χ^2/NDF: 62.2/52

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6028.815+/-1.220 χ^2/NDF: 1622089.8/23

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

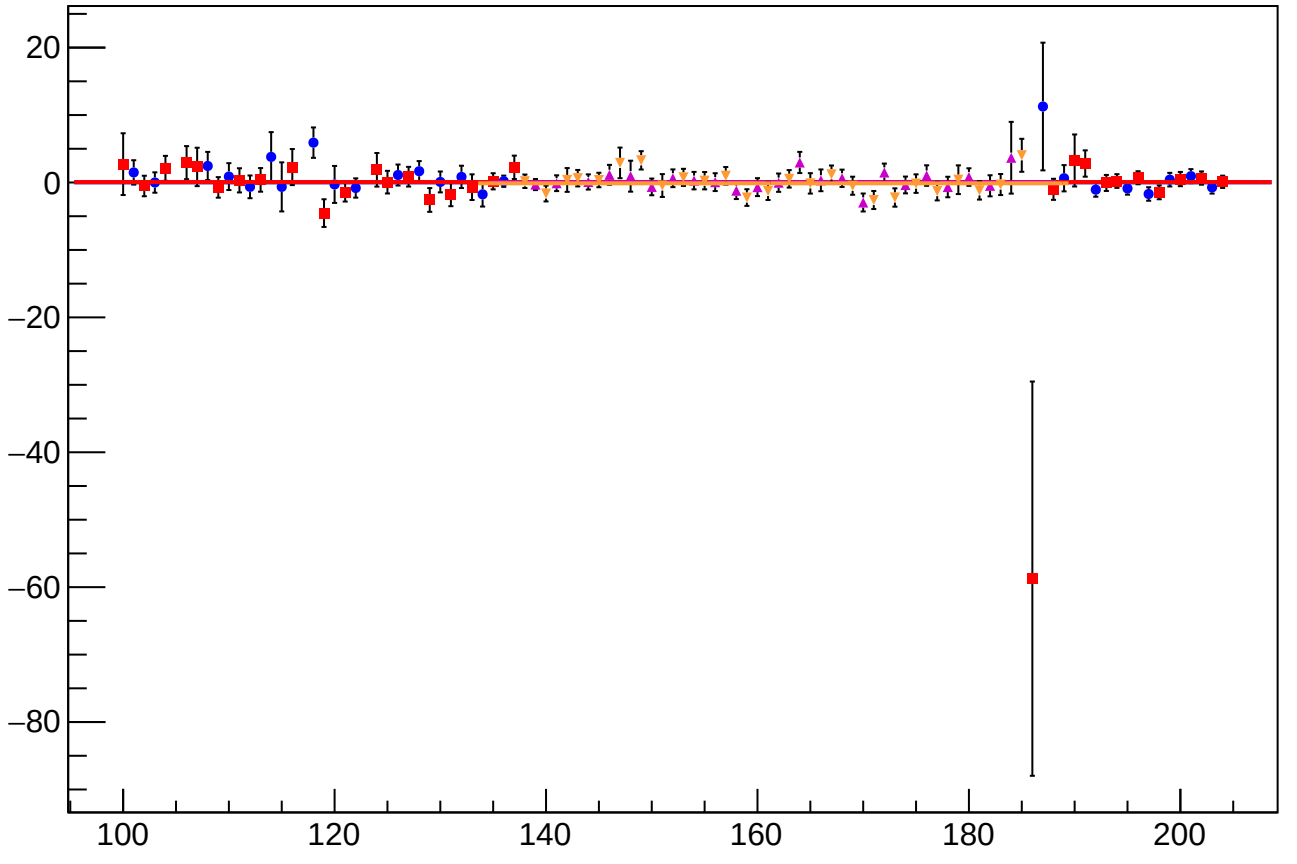
Right Out: 6011.863+/-1.136 χ^2/NDF: 2318344.2/29

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6263.472+/-0.793 χ^2/NDF: 2103542.7/48

All: 6241.517+/-0.556 χ^2/NDF: 5012055.3/10

- sign 6220.356+/-0.779 χ^2/NDF: 2907007.5/52



Right In: 0.019+/-0.284 χ^2/NDF: 21.7/23

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.066+/-0.272 χ^2/NDF: 27.4/29

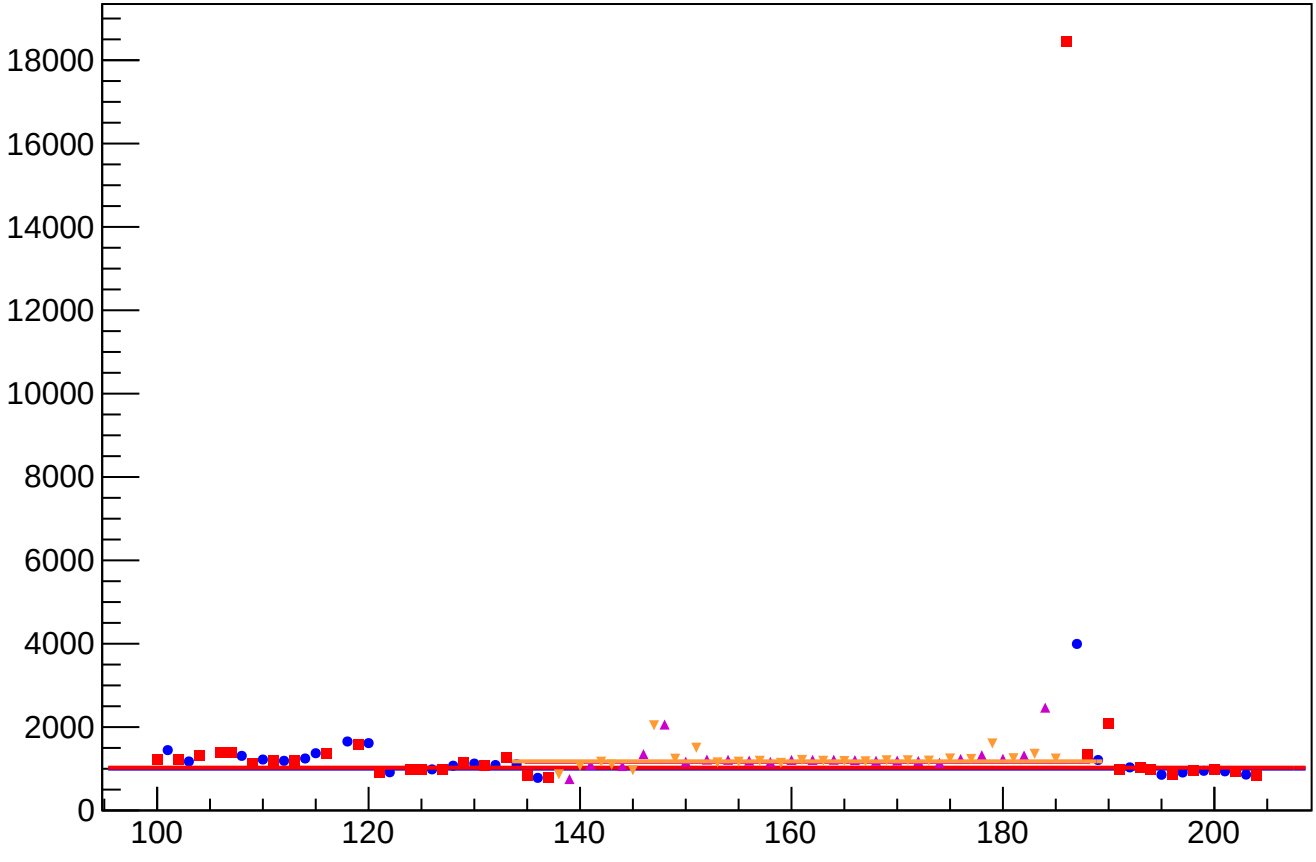
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.055+/-0.197 χ^2/NDF: 48.8/48

All: -0.003+/-0.138 χ^2/NDF: 90.8/101

- sign 0.048+/-0.194 χ^2/NDF: 41.8/52

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1003.844+/-0.201 χ^2/NDF: 1065302.4/23

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

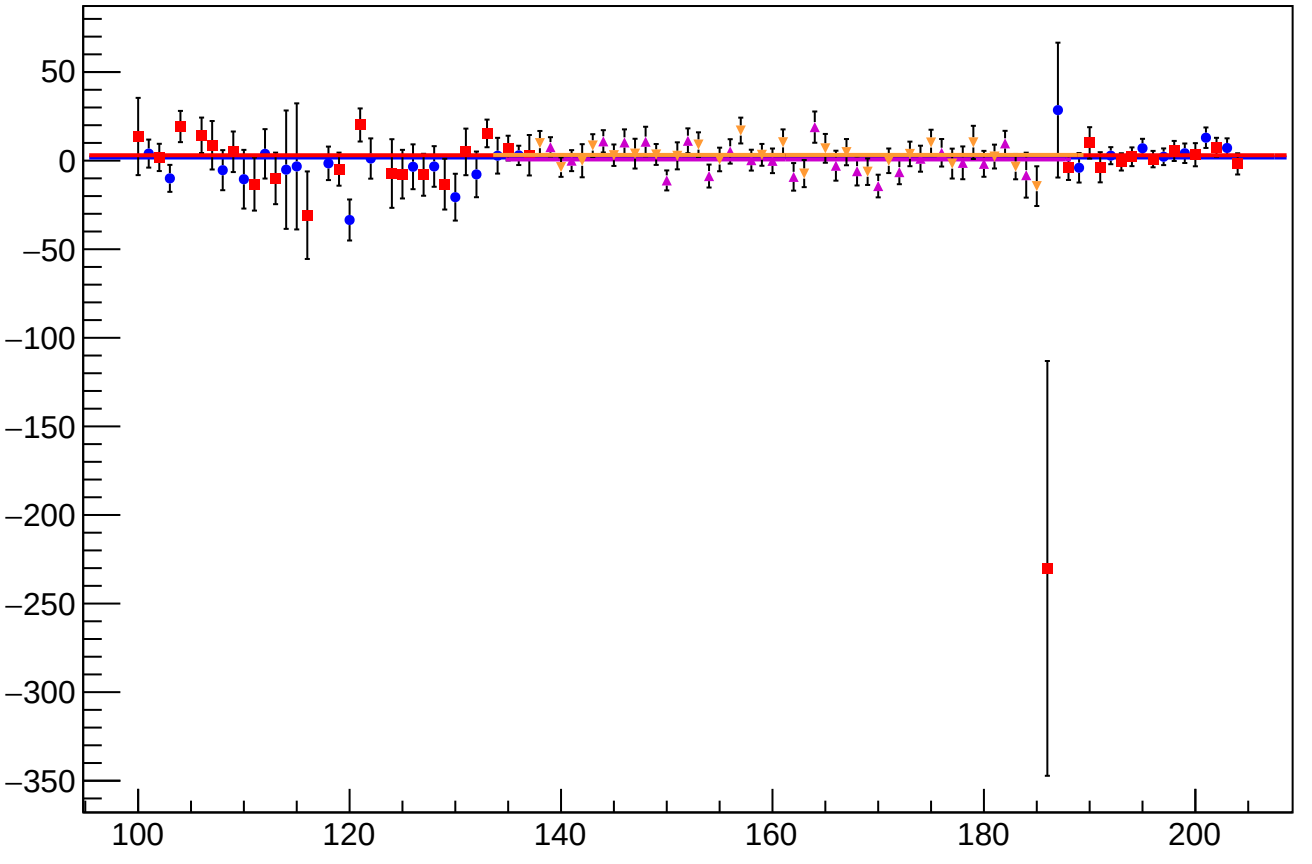
Right Out: 1026.611+/-0.192 χ^2/NDF: 1658526.4/29

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1094.172+/-0.139 χ^2/NDF: 2255119.7/48

All: 1093.812+/-0.098 χ^2/NDF: 5214694.9/10

- sign 1093.462+/-0.137 χ^2/NDF: 2959562.1/52



Right In: 1.767+/-1.617 χ^2/NDF: 23.6/23

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 3.048+/-1.496 χ^2/NDF: 27.4/29

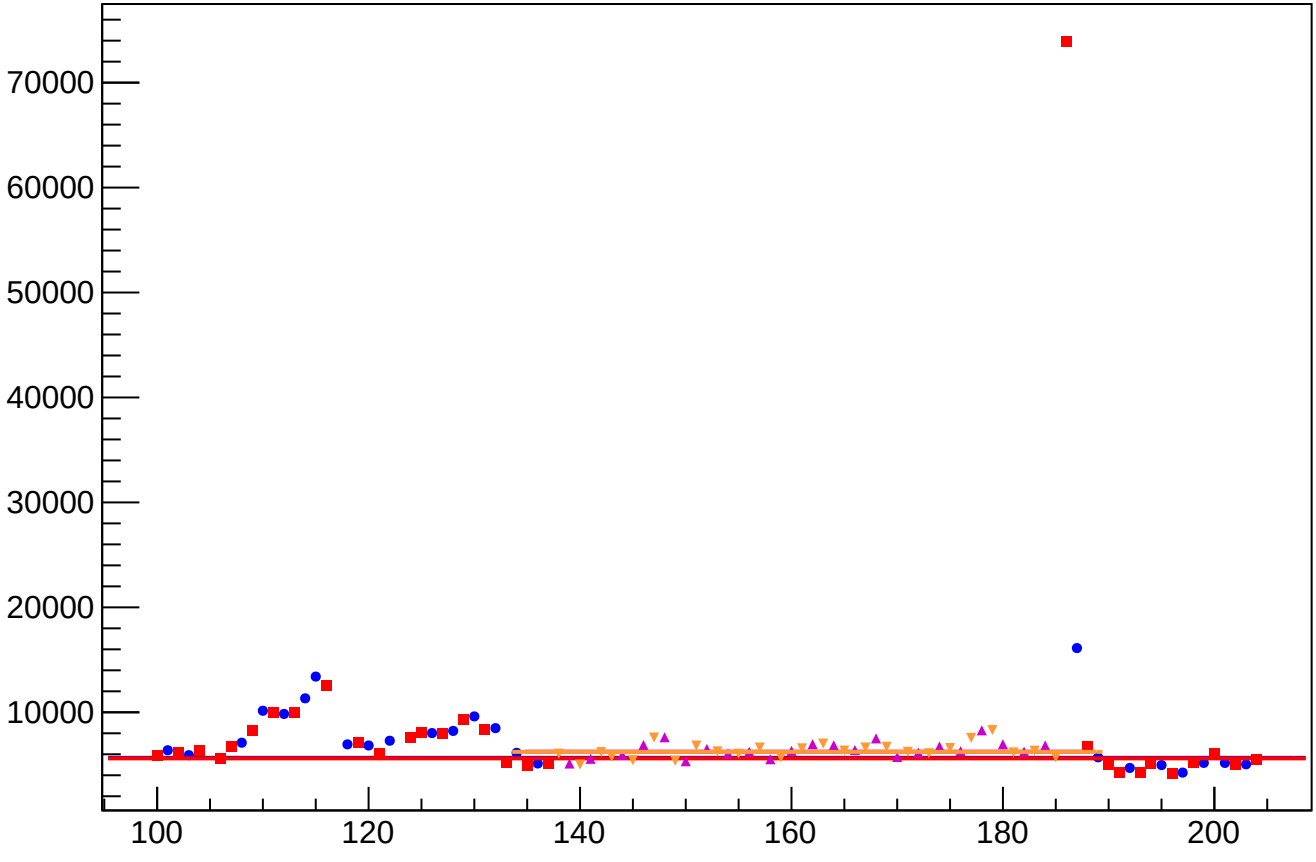
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 2.591+/-1.071 χ^2/NDF: 42.0/48

All: 2.207+/-0.750 χ^2/NDF: 103.3/101

- sign 1.839+/-1.050 χ^2/NDF: 61.1/52

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 5660.209+/-1.144 χ^2/NDF: 1596230.8/23

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5608.475+/-1.058 χ^2/NDF: 2333505.2/29

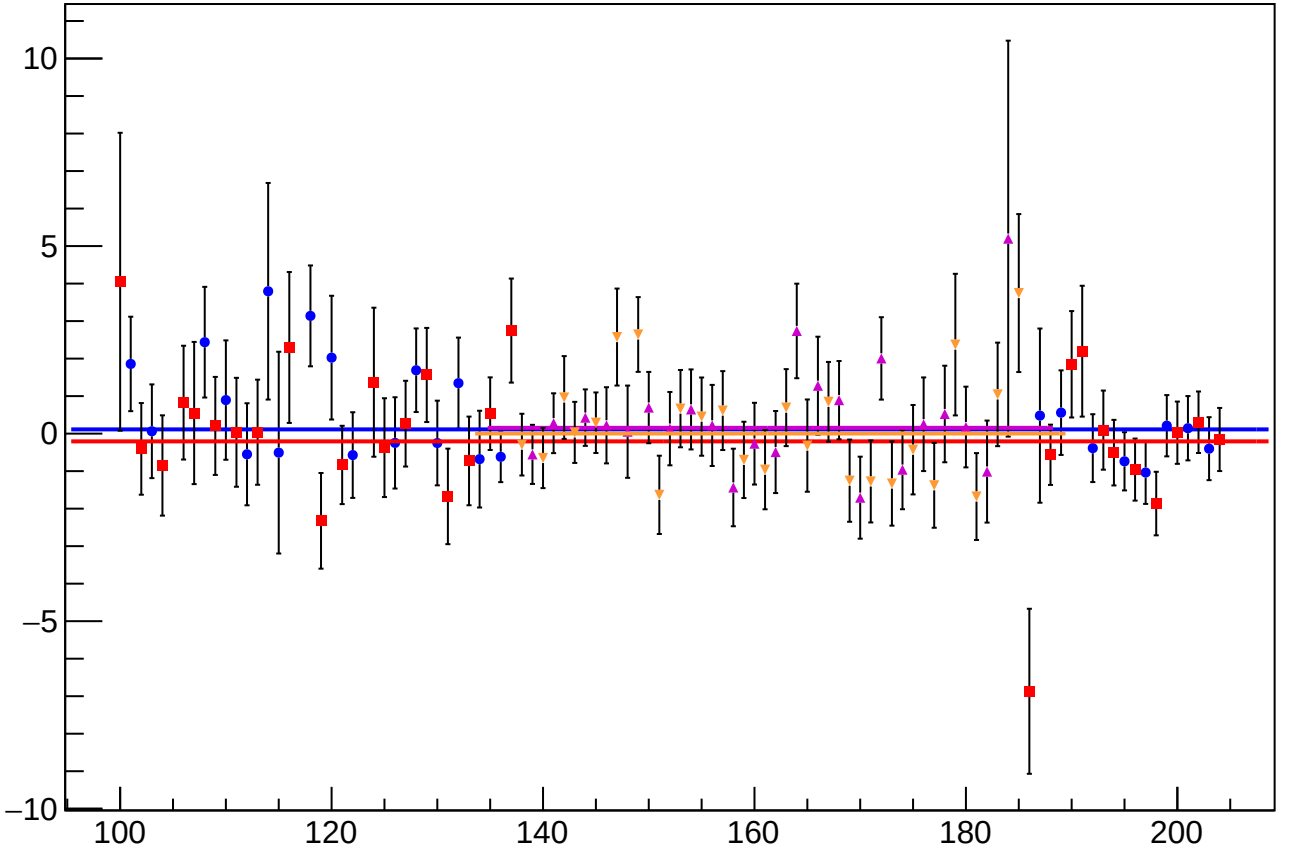
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 5979.331+/-0.757 χ^2/NDF: 2205776.5/48

All: 5955.431+/-0.530 χ^2/NDF: 5210994.1/10

- sign 5932.469+/-0.742 χ^2/NDF: 3003265.2/52

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.113+/-0.224 χ^2/NDF: 22.1/23

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.206+/-0.211 χ^2/NDF: 35.0/29

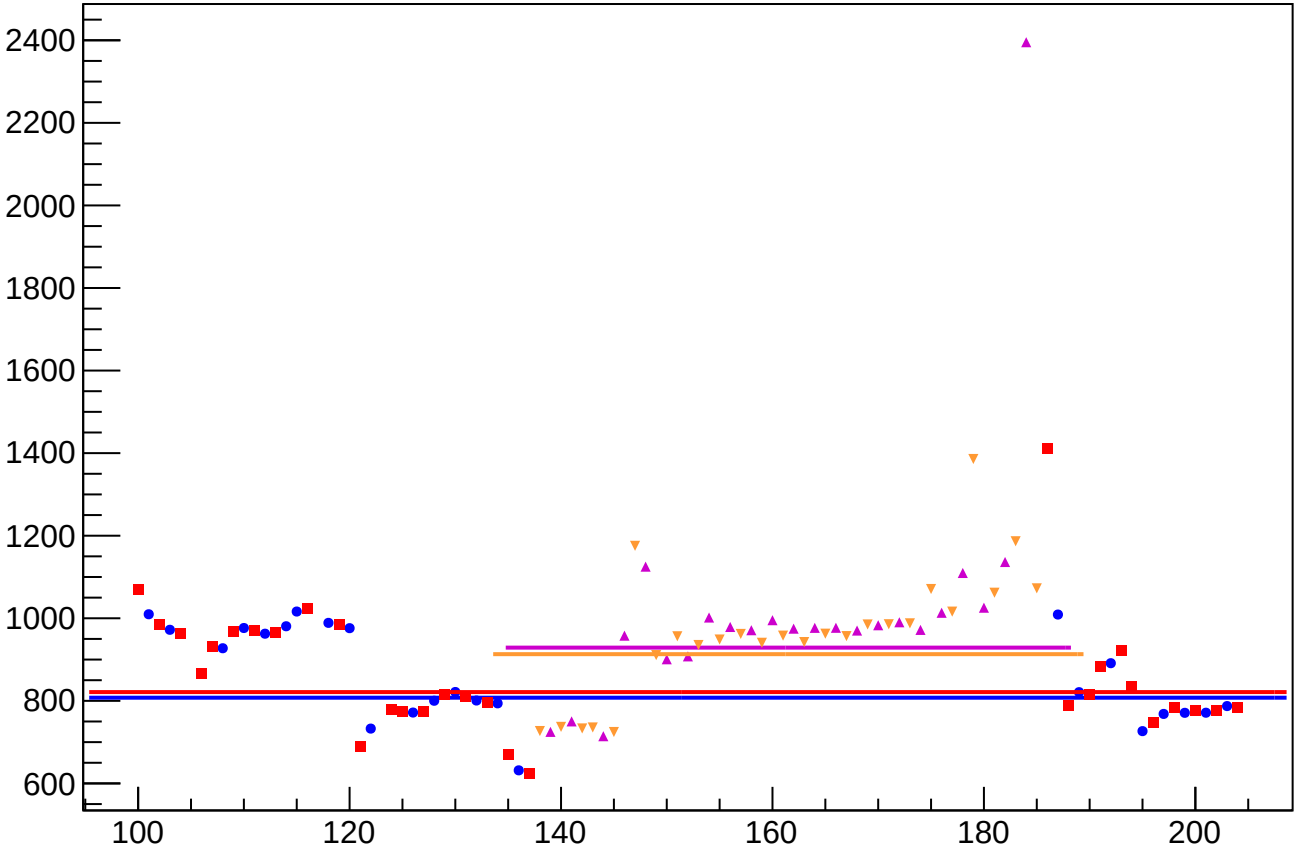
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.055+/-0.154 χ^2/NDF: 53.8/48

All: 0.010+/-0.108 χ^2/NDF: 108.8/101

- sign -0.035+/-0.153 χ^2/NDF: 54.8/52

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 807.636+/-0.158 χ^2/NDF: 438710.8/23

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

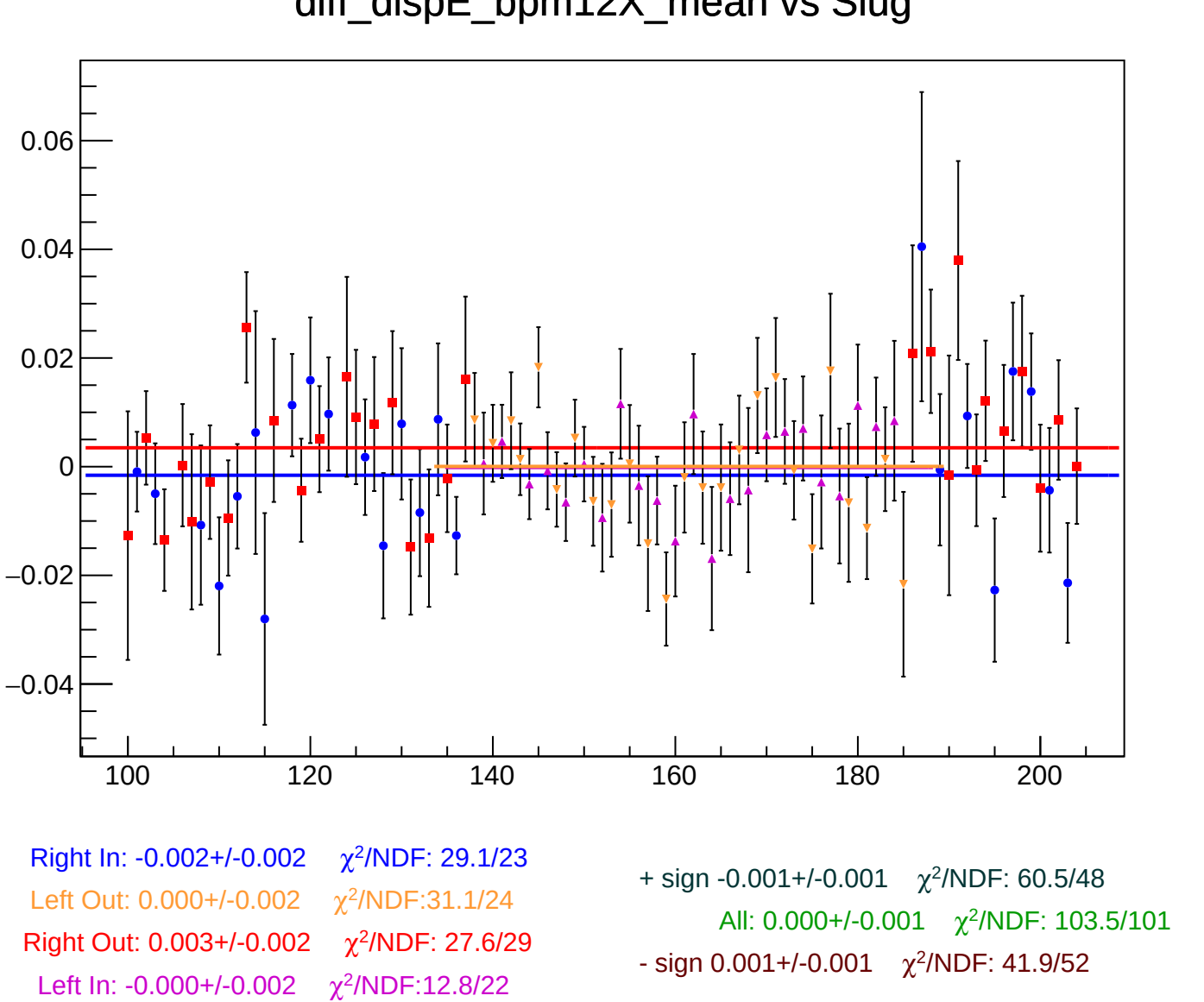
Right Out: 821.216+/-0.149 χ^2/NDF: 528968.3/29

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

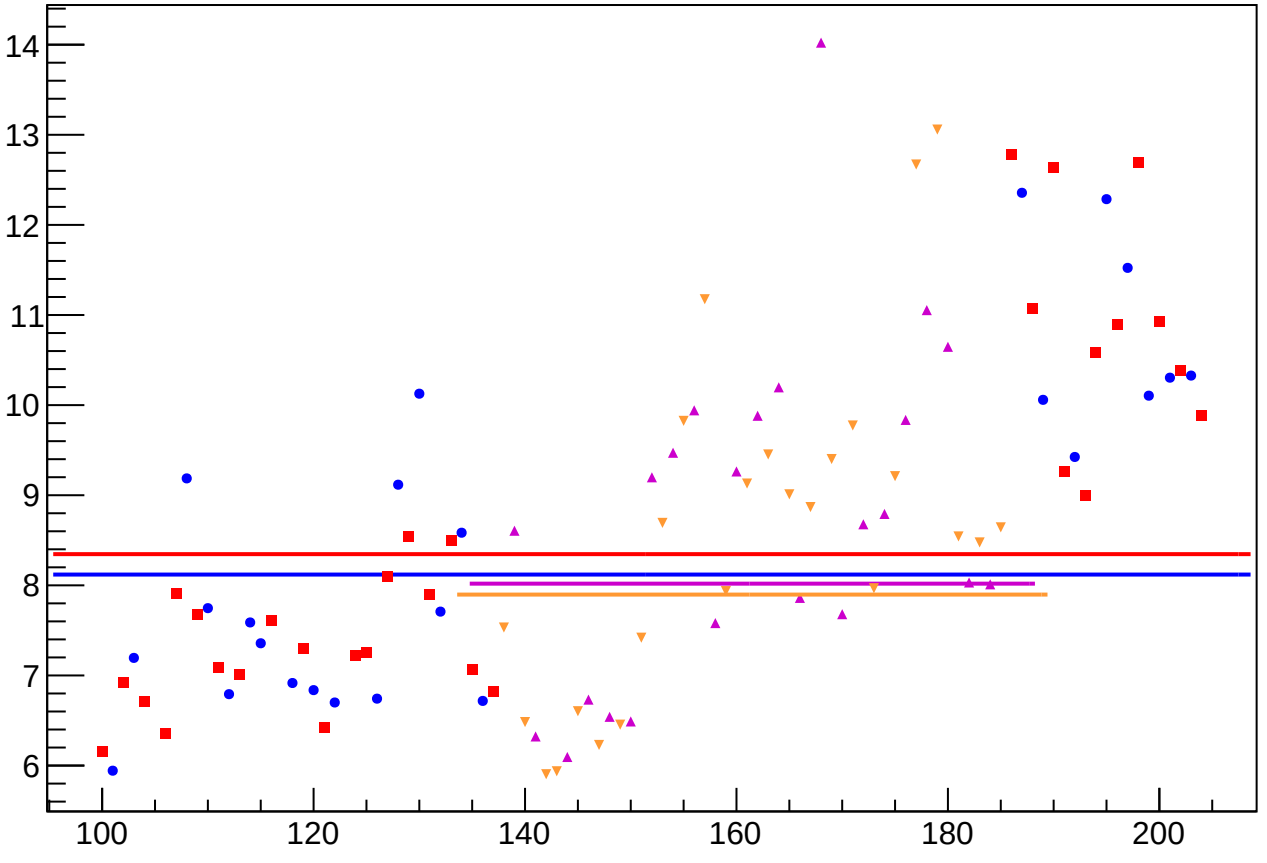
+ sign 863.288+/-0.109 χ^2/NDF: 1561653.4/48

All: 867.940+/-0.077 χ^2/NDF: 3111905.1/101

- sign 872.507+/-0.108 χ^2/NDF: 1546633.1/52


diff_dispE_bpm12X_mean vs Slug
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
Right In: -0.002+/-0.002 χ²/NDF: 29.1/23
Left Out: 0.000+/-0.002 χ²/NDF:31.1/24
Right Out: 0.003+/-0.002 χ²/NDF: 27.6/29
Left In: -0.000+/-0.002 χ²/NDF:12.8/22
+ sign -0.001+/-0.001 χ²/NDF: 60.5/48
All: 0.000+/-0.001 χ²/NDF: 103.5/101
- sign 0.001+/-0.001 χ²/NDF: 41.9/52

diff_dispE_bpm12X_rms vs Slug



Right In: 8.120+/-0.002 χ^2/NDF: 1198975.2/23

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

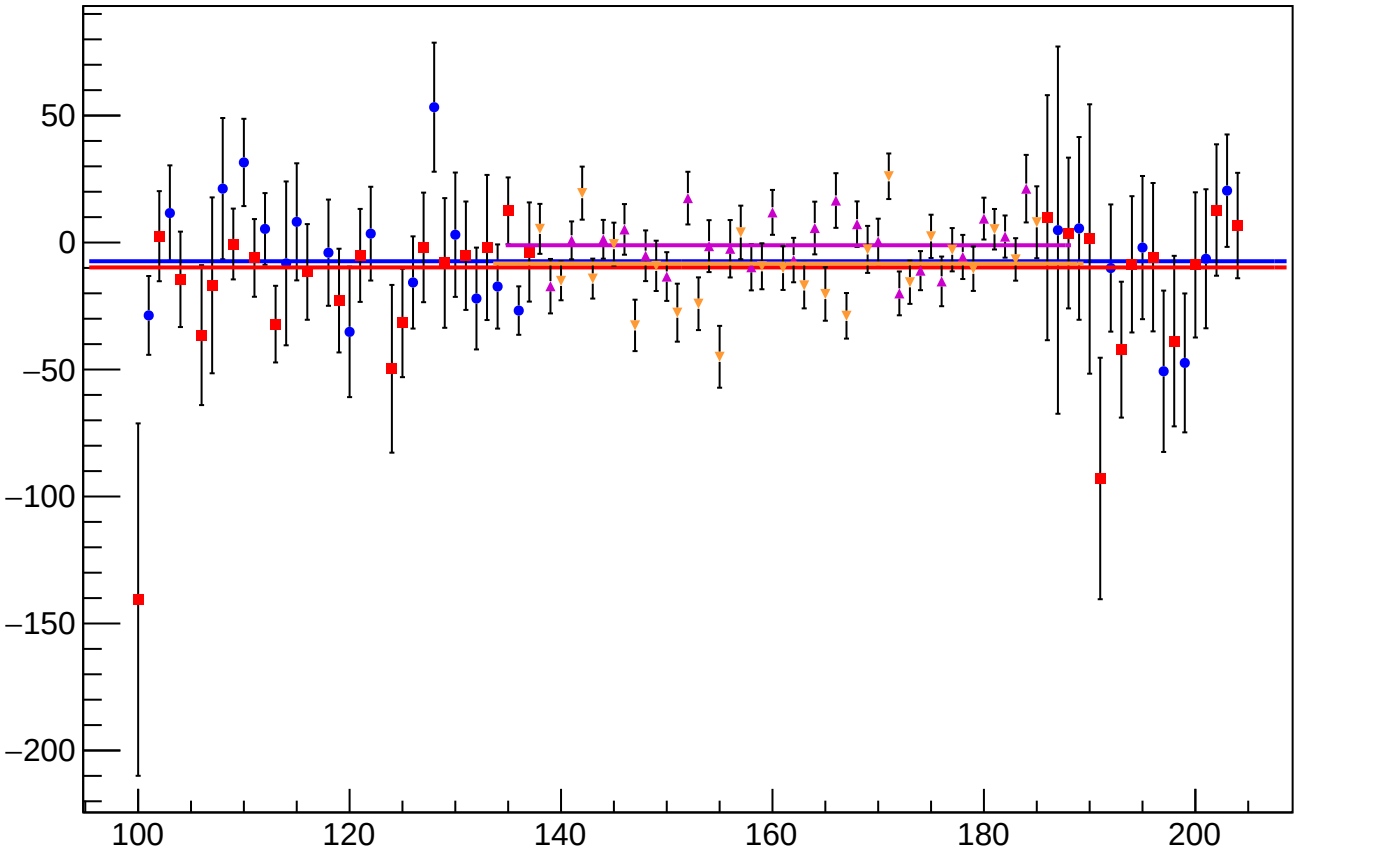
Right Out: 8.346+/-0.002 χ^2/NDF: 1331142.4/29

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 7.985+/-0.001 χ^2/NDF: 2801245.4/48

All: 8.073+/-0.001 χ^2/NDF: 5628737.3/101

- sign 8.162+/-0.001 χ^2/NDF: 2812339.3/52



Right In: -7.366+/-4.111 χ^2/NDF: 28.8/23

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

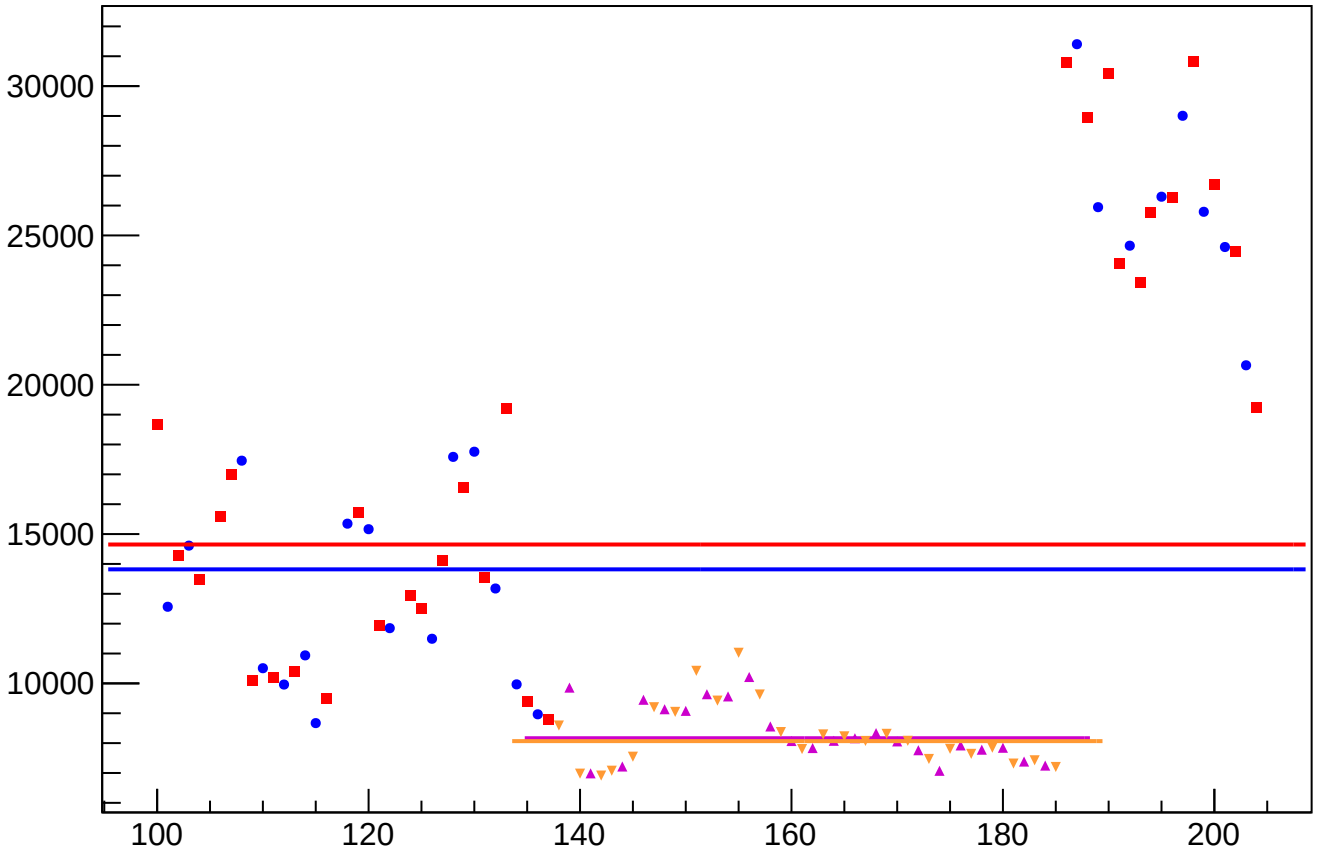
Right Out: -9.797+/-4.041 χ^2/NDF: 21.1/29

Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.107+/-1.687 χ^2/NDF: 91.0/48

All: -5.470+/-1.209 χ^2/NDF: 149.8/101

- sign -2.680+/-1.735 χ^2/NDF: 53.7/52



Right In: 13818.478+/-2.907 χ^2/NDF: 3639607.7/23

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

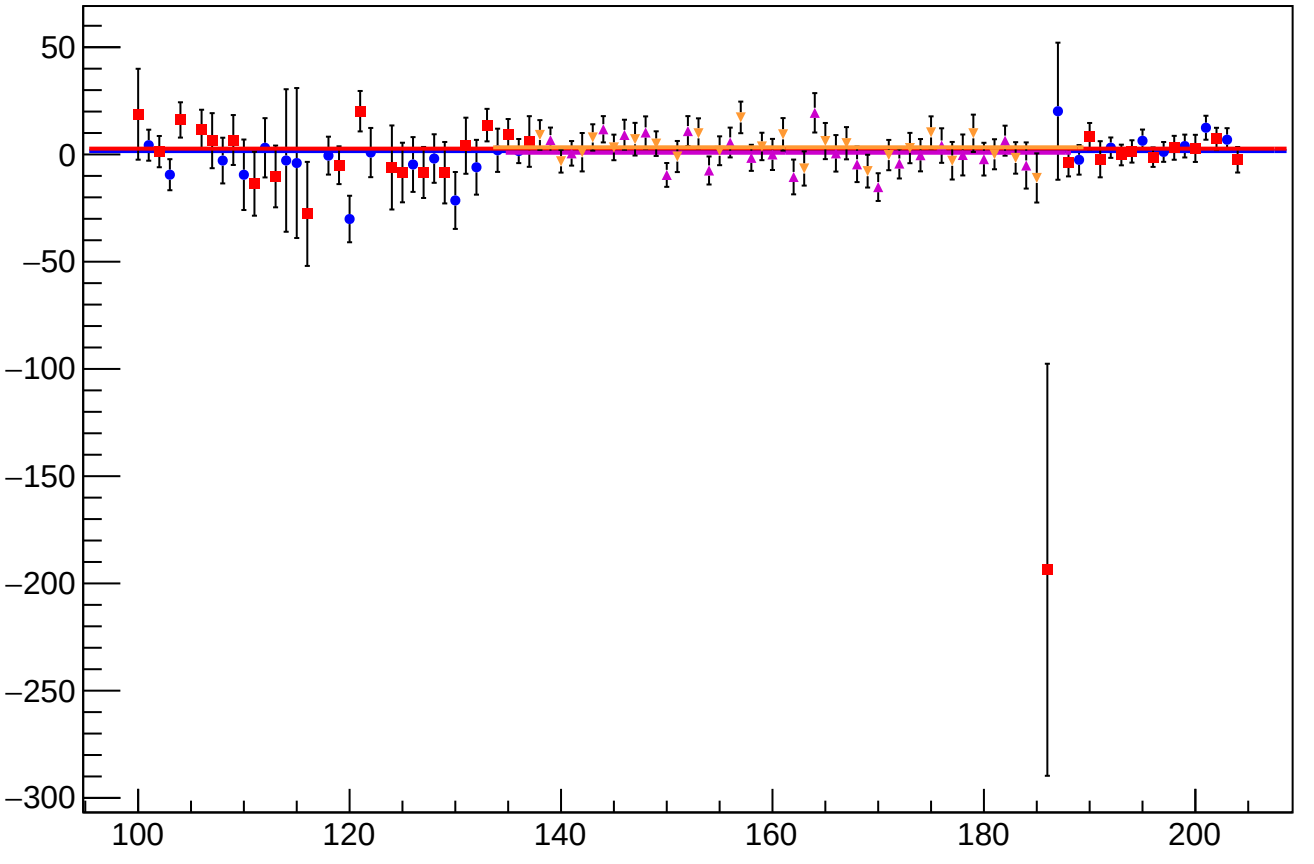
Right Out: 14650.532+/-2.857 χ^2/NDF: 4384860.5/29

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 9034.705+/-1.193 χ^2/NDF: 7393354.5/48

All: 9192.415+/-0.855 χ^2/NDF: 16451431.5/1

- sign 9359.257+/-1.227 χ^2/NDF: 9022091.5/52



Right In: 1.567+/-1.571 χ^2/NDF: 22.0/23

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

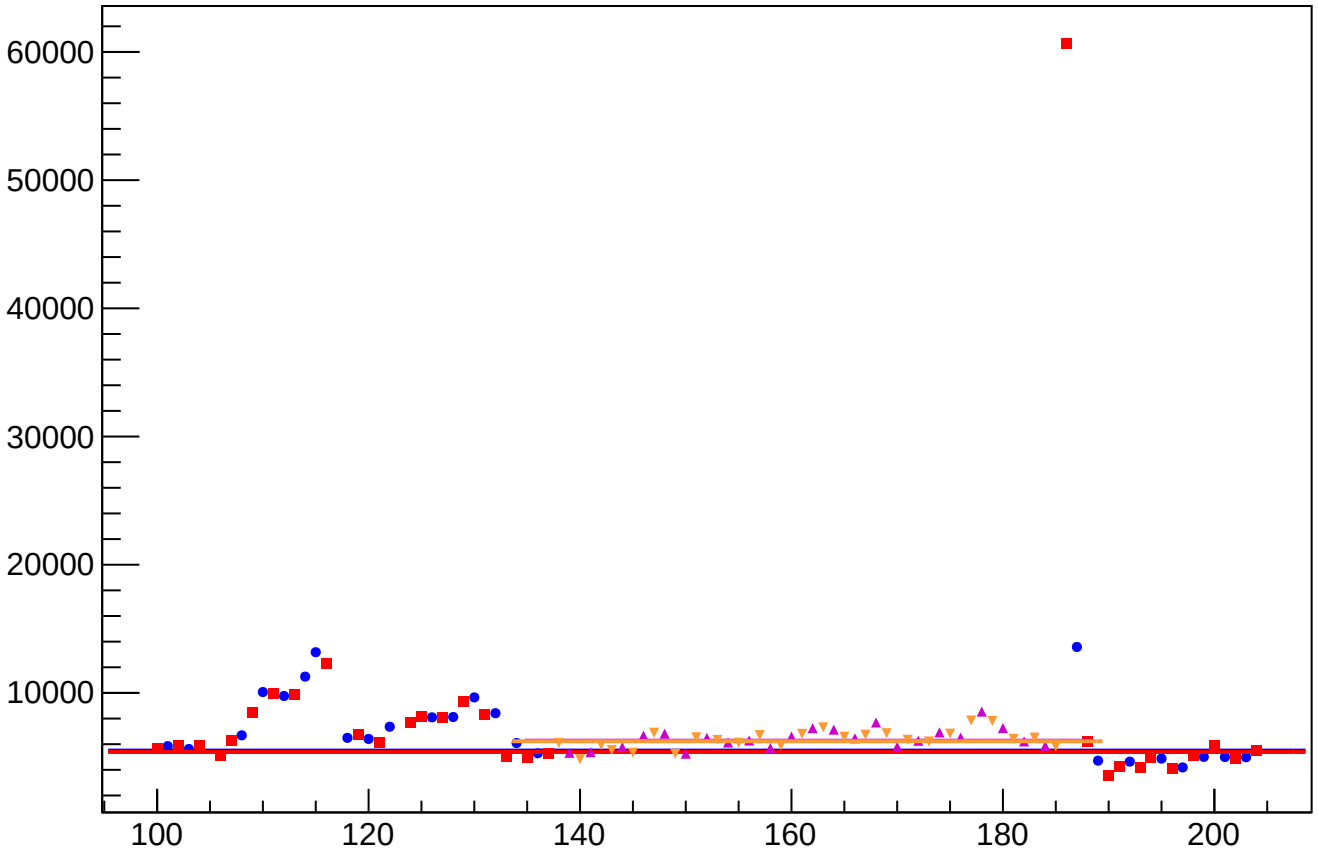
Right Out: 2.710+/-1.440 χ^2/NDF: 26.8/29

Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 2.530+/-1.058 χ^2/NDF: 39.7/48

All: 2.145+/-0.738 χ^2/NDF: 97.0/101

- sign 1.779+/-1.032 χ^2/NDF: 57.1/52



Right In: 5499.713+/-1.111 χ^2/NDF: 1583382.6/23

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5393.274+/-1.018 χ^2/NDF: 2477421.2/29

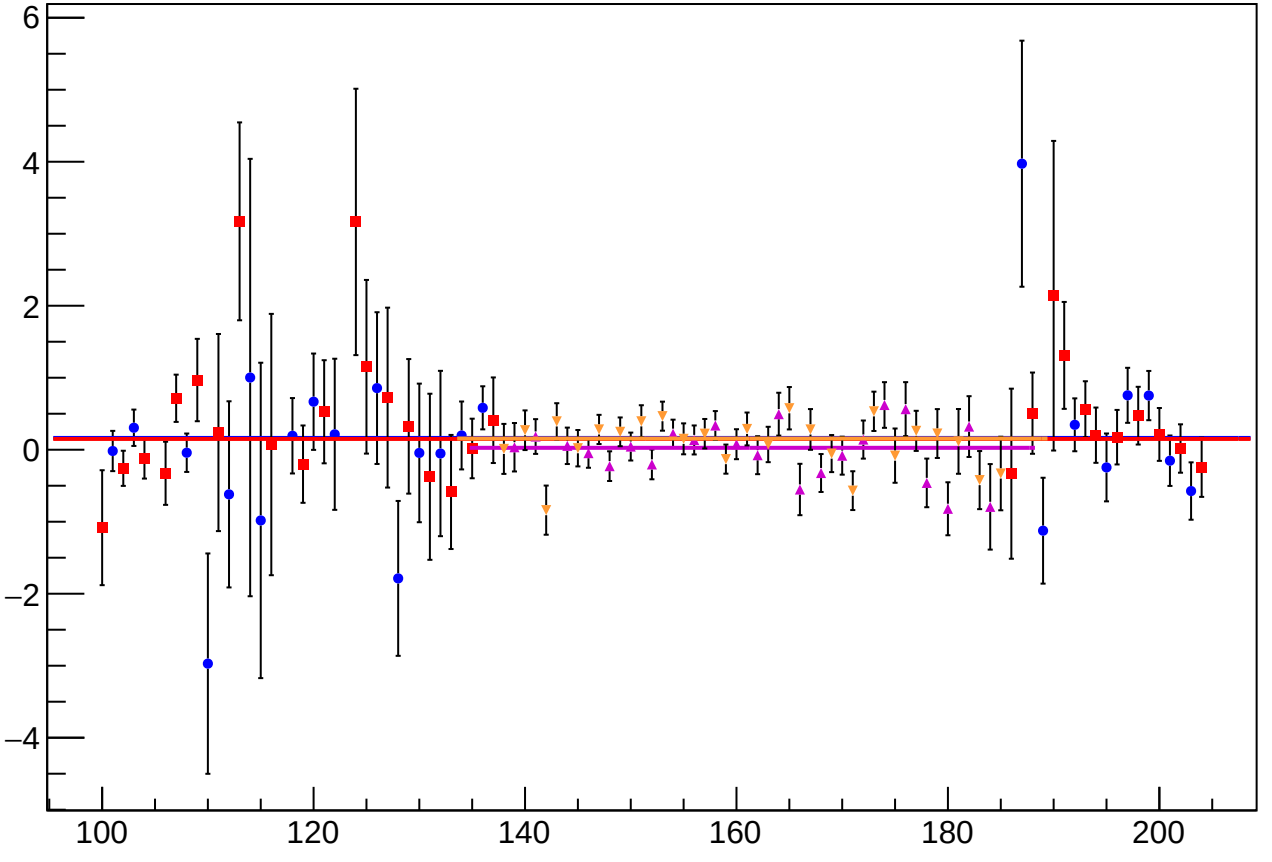
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 5899.372+/-0.748 χ^2/NDF: 2352903.7/48

All: 5858.930+/-0.522 χ^2/NDF: 5702305.0/10

- sign 5820.449+/-0.729 χ^2/NDF: 3343693.9/52

diff_targ_thetaX_mean vs Slug



Right In: 0.164+/-0.094 χ^2/NDF: 31.2/23

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.150+/-0.090 χ^2/NDF: 29.7/29

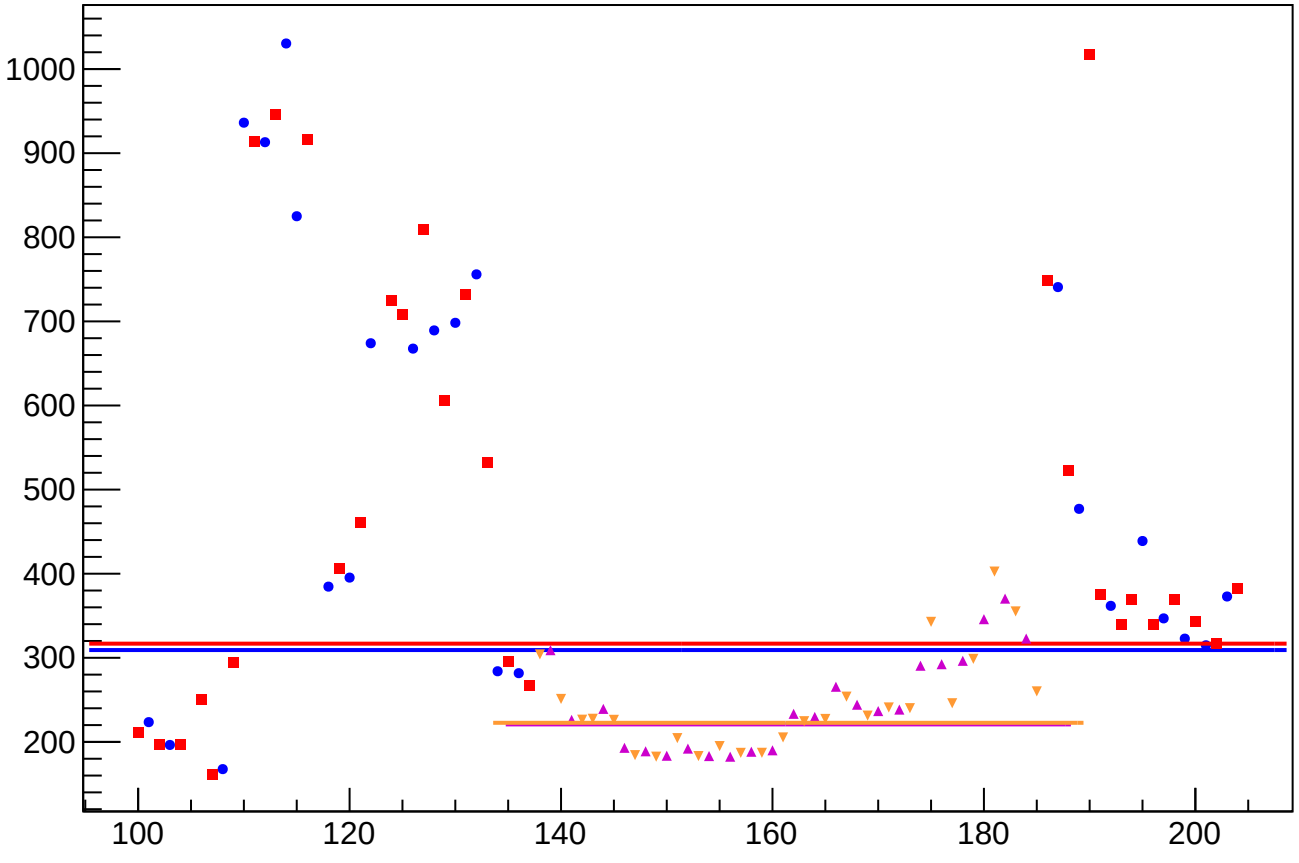
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.157+/-0.045 χ^2/NDF: 63.5/48

All: 0.108+/-0.032 χ^2/NDF: 126.7/101

- sign 0.058+/-0.046 χ^2/NDF: 60.9/52

diff_targ_thetaX_rms vs Slug



Right In: 309.225+/-0.066 χ^2/NDF: 4093825.2/23

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 316.823+/-0.063 χ^2/NDF: 4698200.7/29

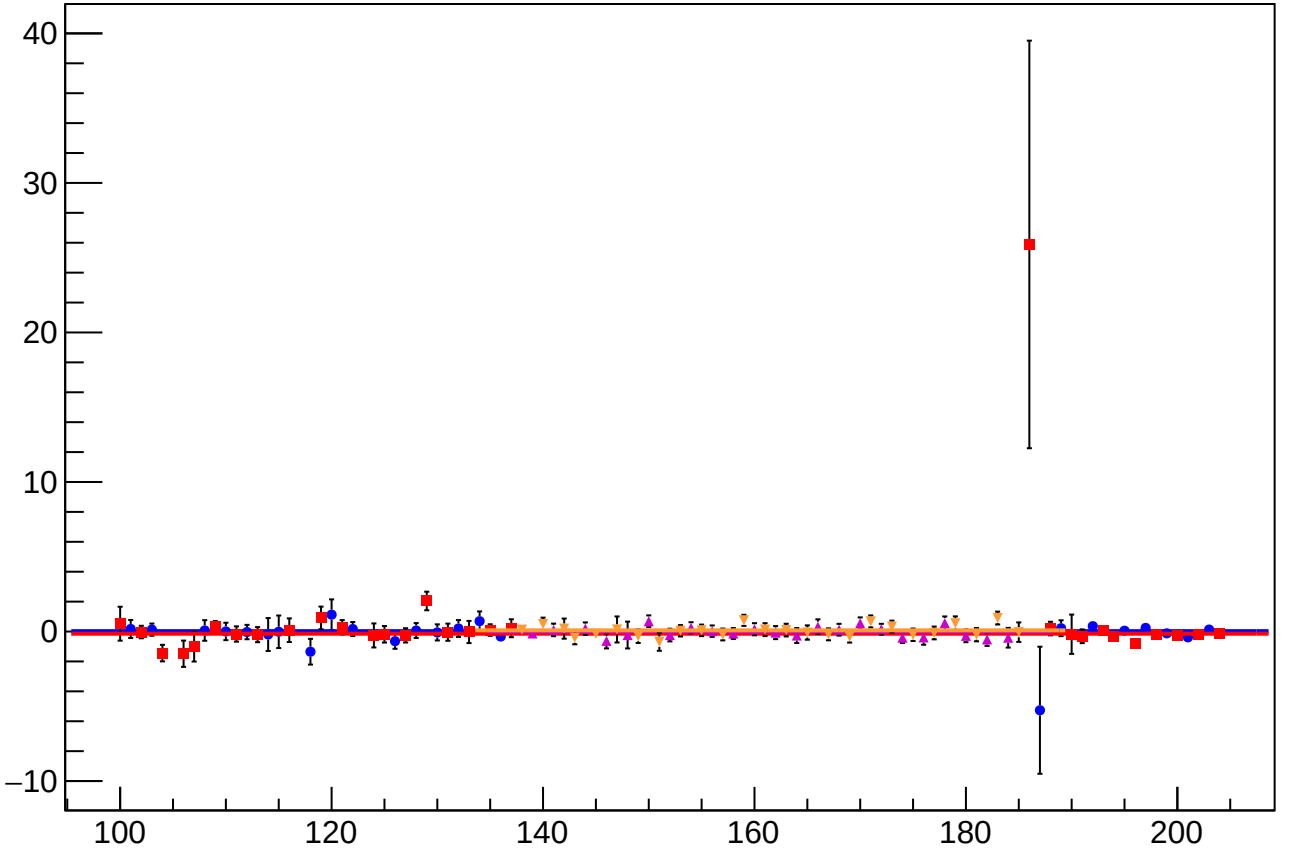
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 243.037+/-0.032 χ^2/NDF: 6849064.1/48

All: 244.342+/-0.023 χ^2/NDF: 14723298.0/10

- sign 245.657+/-0.032 χ^2/NDF: 7870920.0/52

diff_targ_thetaY_mean vs Slug



Right In: 0.025+/-0.084 χ^2/NDF: 14.7/23

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.146+/-0.078 χ^2/NDF: 37.9/29

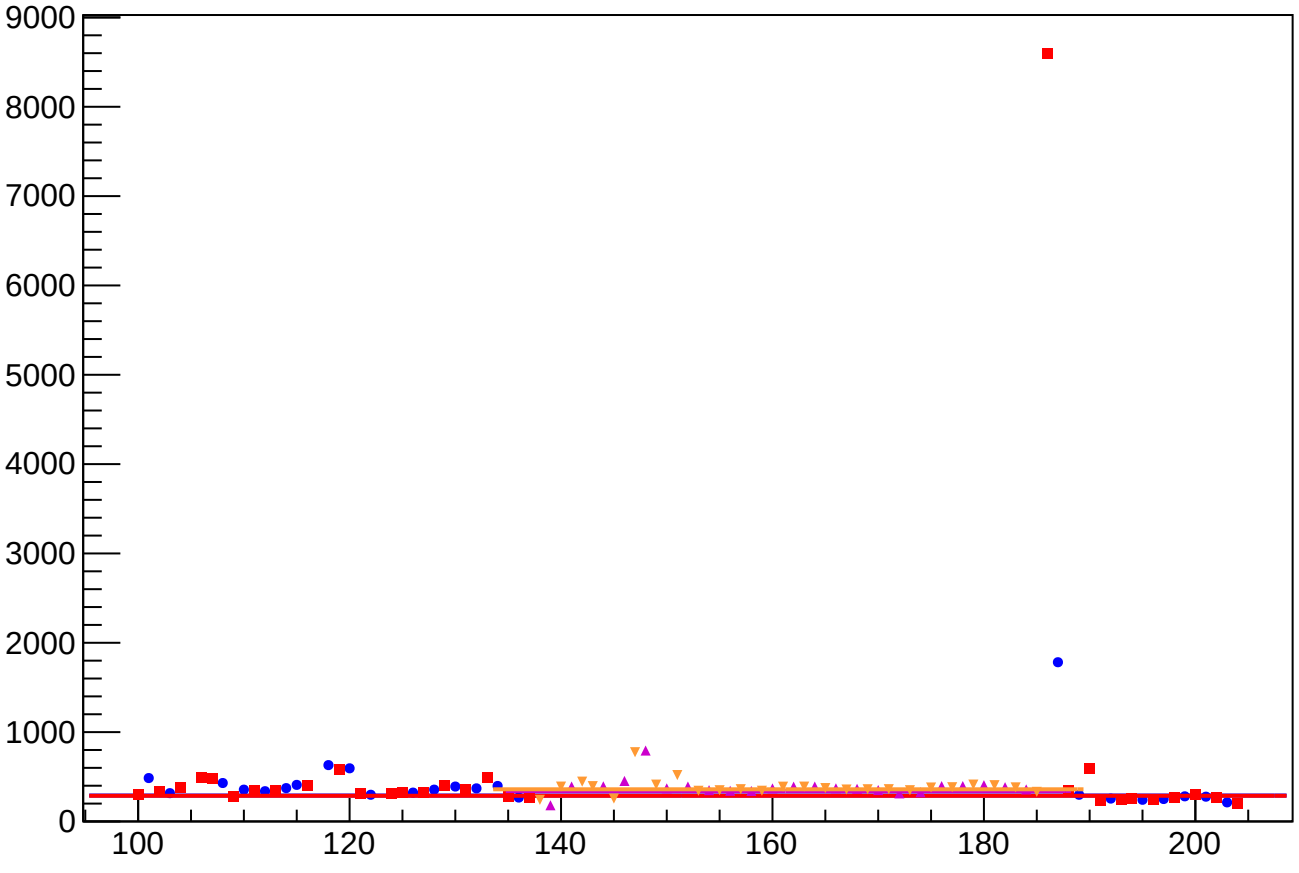
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.052+/-0.059 χ^2/NDF: 33.9/48

All: -0.018+/-0.041 χ^2/NDF: 91.1/101

- sign -0.081+/-0.057 χ^2/NDF: 54.6/52

diff_targ_thetaY_rms vs Slug



Right In: 290.357+/-0.059 χ^2/NDF: 1710193.2/23

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

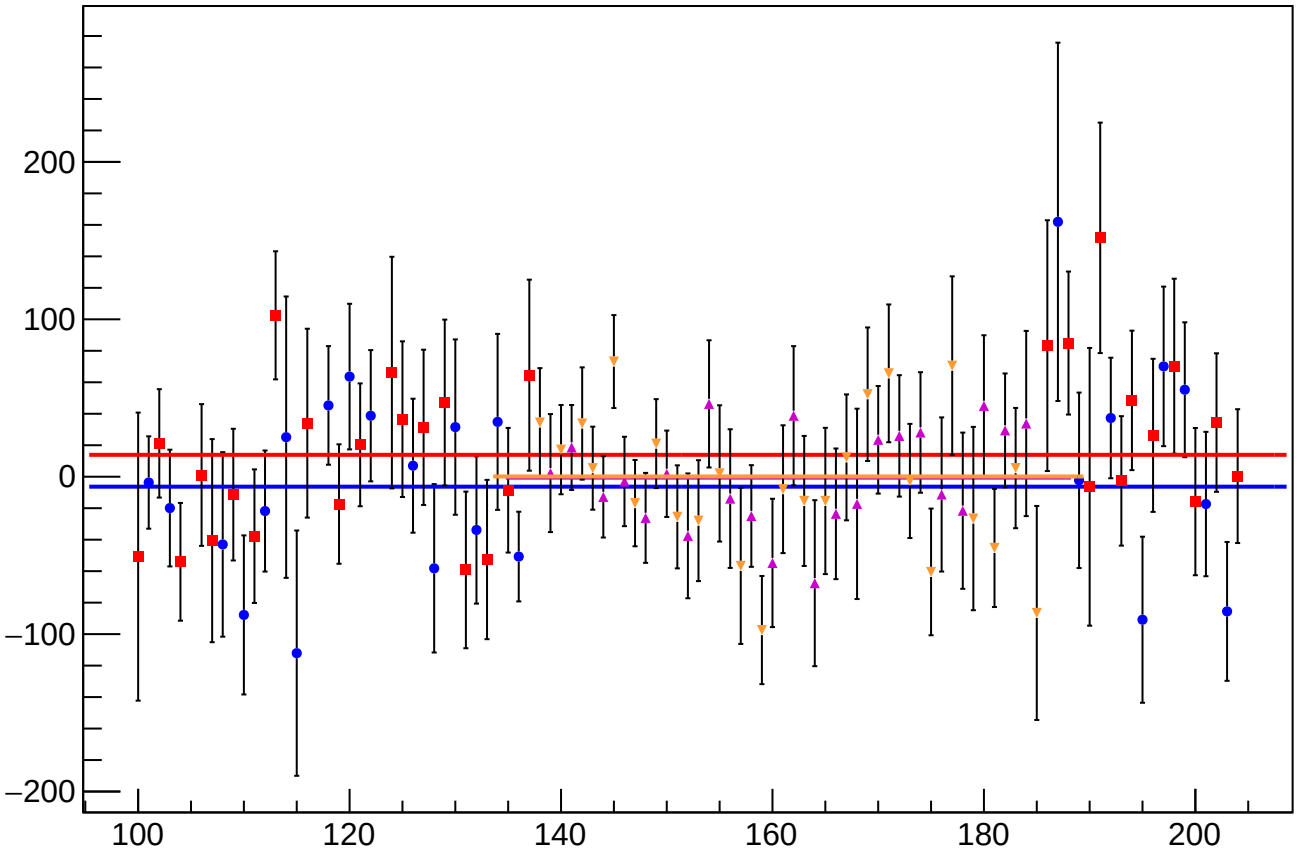
Right Out: 287.353+/-0.055 χ^2/NDF: 2267956.0/29

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 324.949+/-0.042 χ^2/NDF: 3737414.1/48

All: 318.195+/-0.029 χ^2/NDF: 8709531.2/101

- sign 312.043+/-0.040 χ^2/NDF: 4922721.8/52



Right In: -6.326+/-9.175 χ^2/NDF: 29.1/23

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

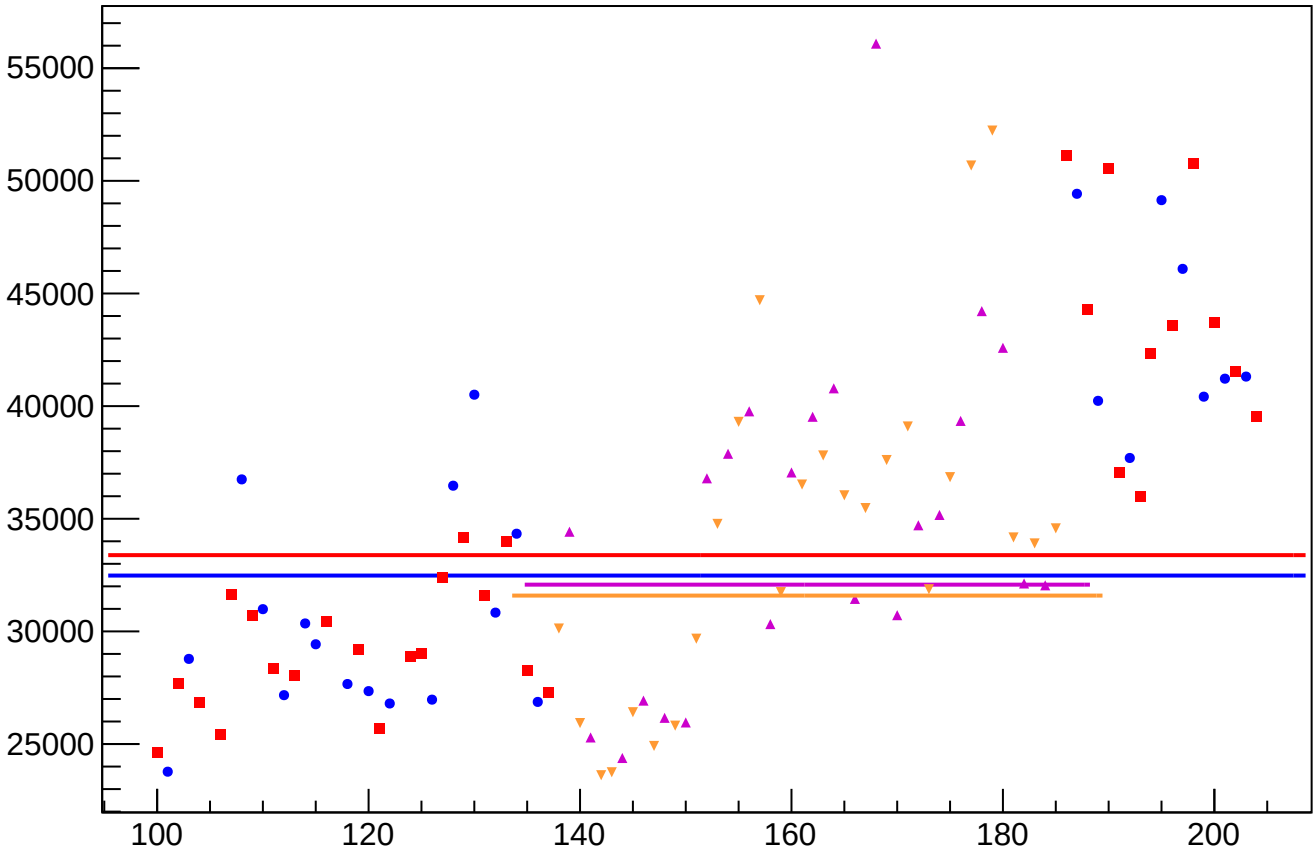
Right Out: 13.909+/-8.713 χ^2/NDF: 27.6/29

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -2.381+/-5.748 χ^2/NDF: 60.5/48

All: 1.673+/-4.067 χ^2/NDF: 103.5/101

- sign 5.739+/-5.756 χ^2/NDF: 41.9/52



Right In: 32478.639+/-6.487 χ^2/NDF: 1198975.2/23

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 33385.159+/-6.161 χ^2/NDF: 1331142.4/29

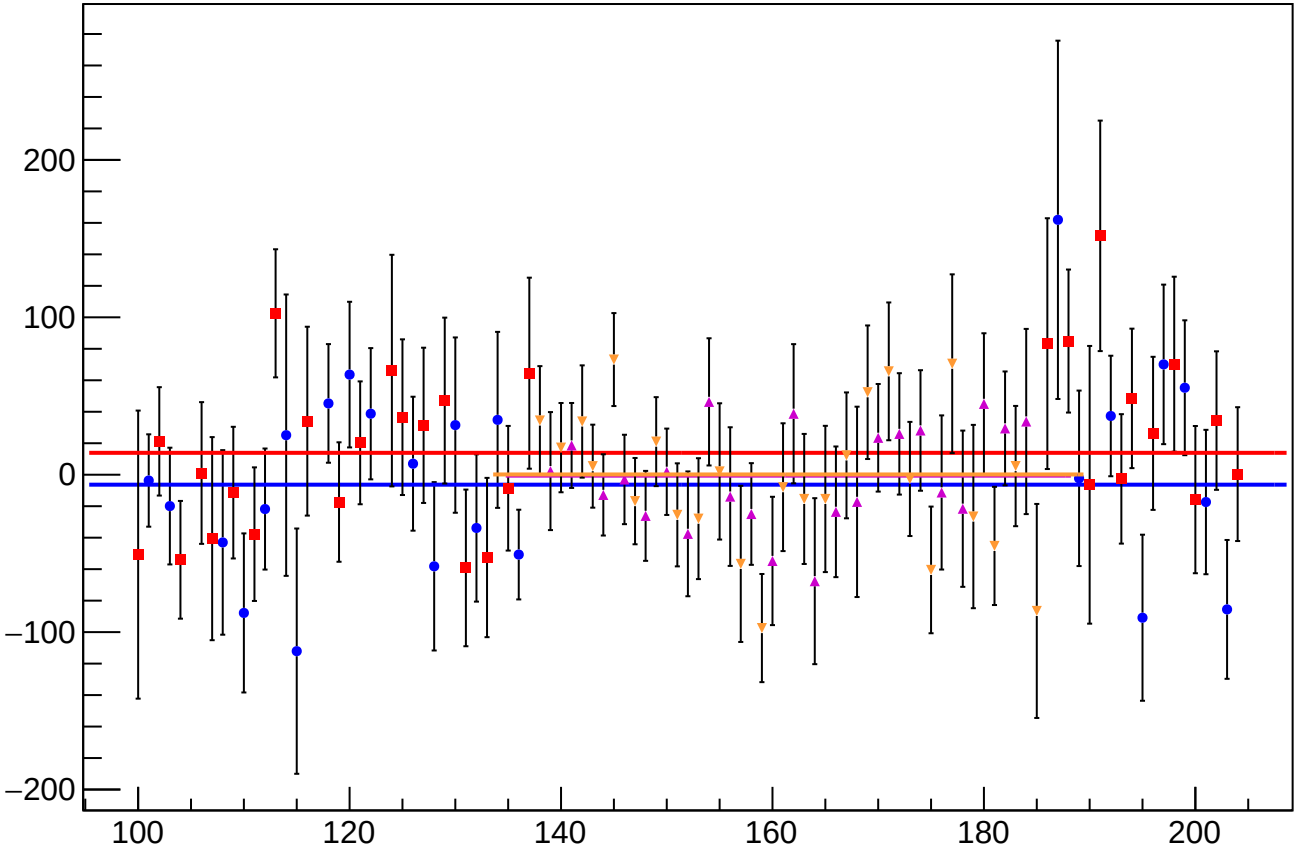
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 31938.710+/-4.064 χ^2/NDF: 2801245.4/48

All: 32292.243+/-2.876 χ^2/NDF: 5628737.3/1

- sign 32646.758+/-4.070 χ^2/NDF: 2812339.3/52

diff_bpmEX_mean vs Slug



Right In: -6.326+/-9.175 χ^2/NDF: 29.1/23

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

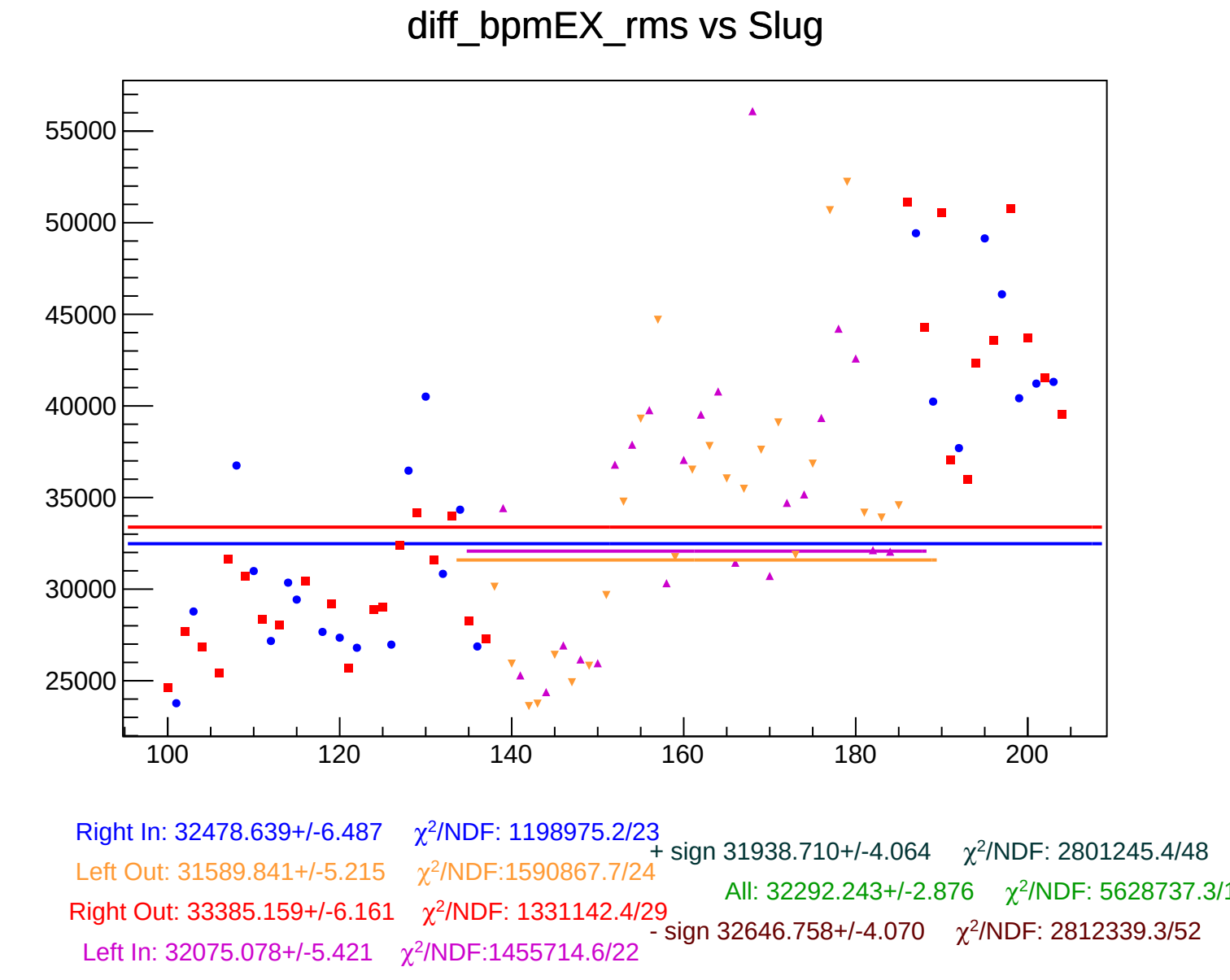
Right Out: 13.909+/-8.713 χ^2/NDF: 27.6/29

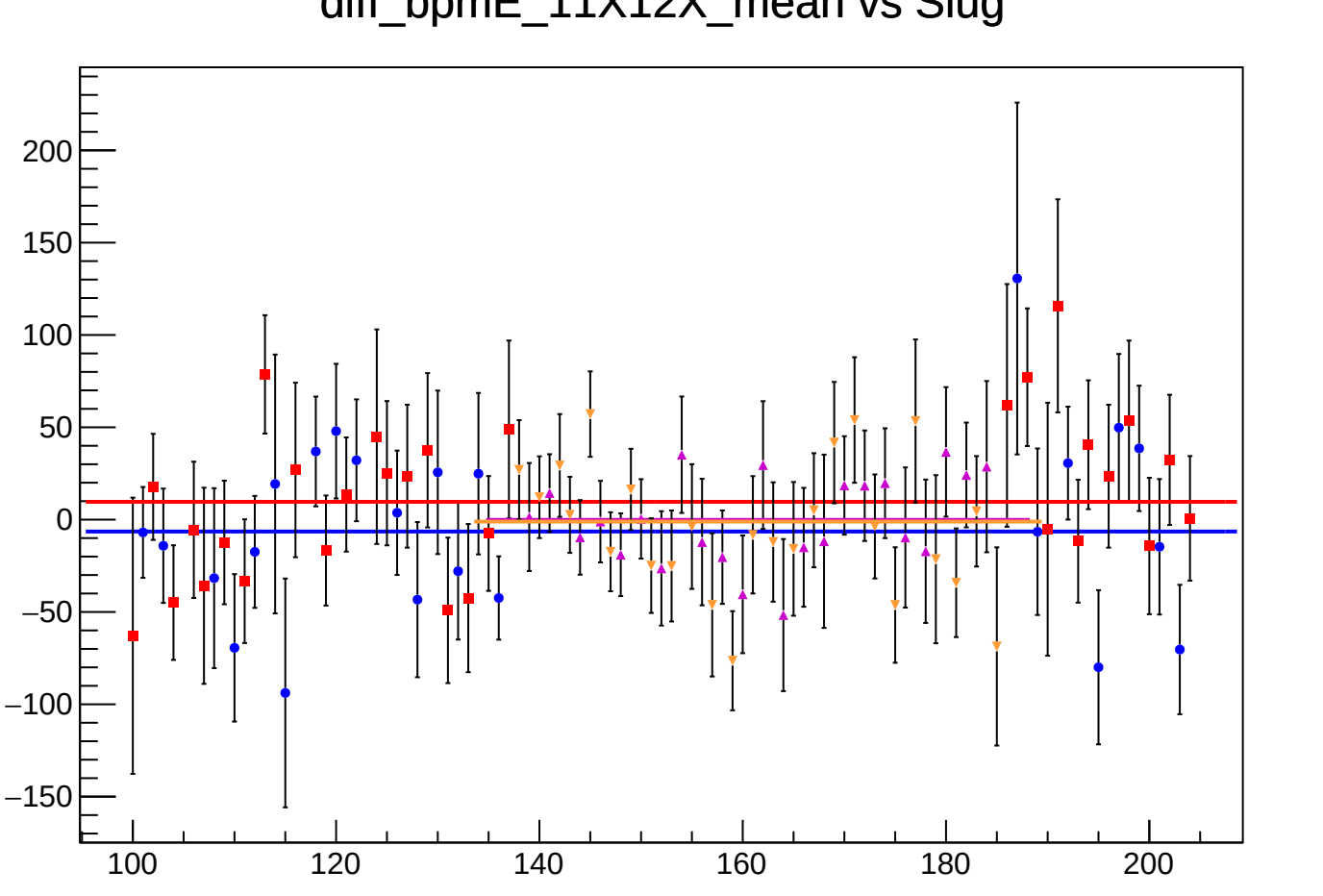
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -2.381+/-5.748 χ^2/NDF: 60.5/48

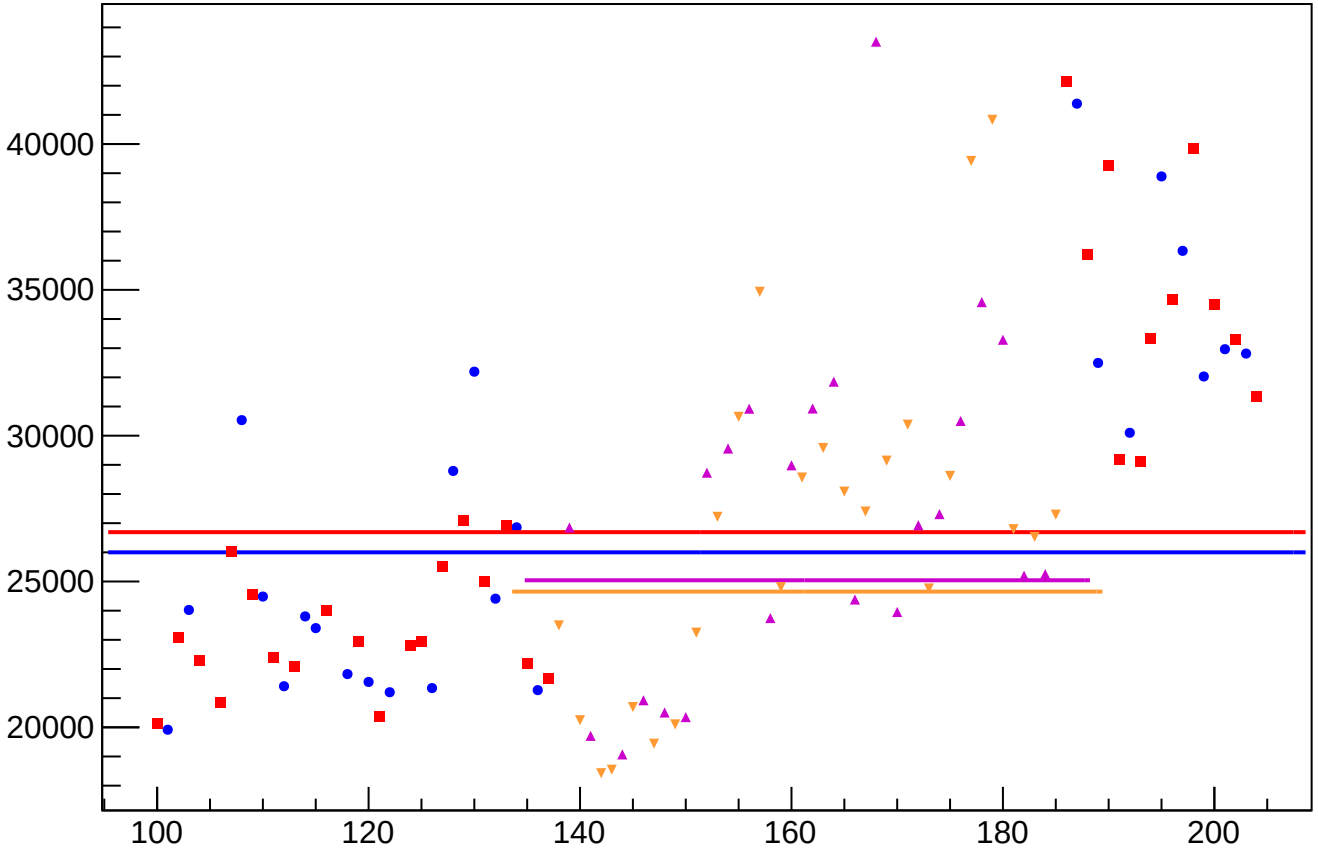
All: 1.673+/-4.067 χ^2/NDF: 103.5/101

- sign 5.739+/-5.756 χ^2/NDF: 41.9/52


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 32478.639+/-6.487 χ²/NDF: 1198975.2/23
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33385.159+/-6.161 χ²/NDF: 1331142.4/29
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 31938.710+/-4.064 χ²/NDF: 2801245.4/48
All: 32292.243+/-2.876 χ²/NDF: 5628737.3/1
- sign 32646.758+/-4.070 χ²/NDF: 2812339.3/52


diff_bpmE_11X12X_mean vs Slug
200
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
Right In: -6.437+/-7.337 χ²/NDF: 29.3/23
Left Out: -1.042+/-5.755 χ²/NDF:32.3/24
Right Out: 9.642+/-6.963 χ²/NDF: 29.2/29
Left In: -0.147+/-5.985 χ²/NDF:12.1/22
+ sign -3.097+/-4.528 χ²/NDF: 62.0/48
All: 0.449+/-3.206 χ²/NDF: 105.7/101
- sign 4.012+/-4.539 χ²/NDF: 42.5/52

diff_bpmE_11X12X_rms vs Slug



Right In: 26000.265+/-5.188 χ^2/NDF: 1157220.6/23

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

Right Out: 26692.203+/-4.924 χ^2/NDF: 1299473.6/29

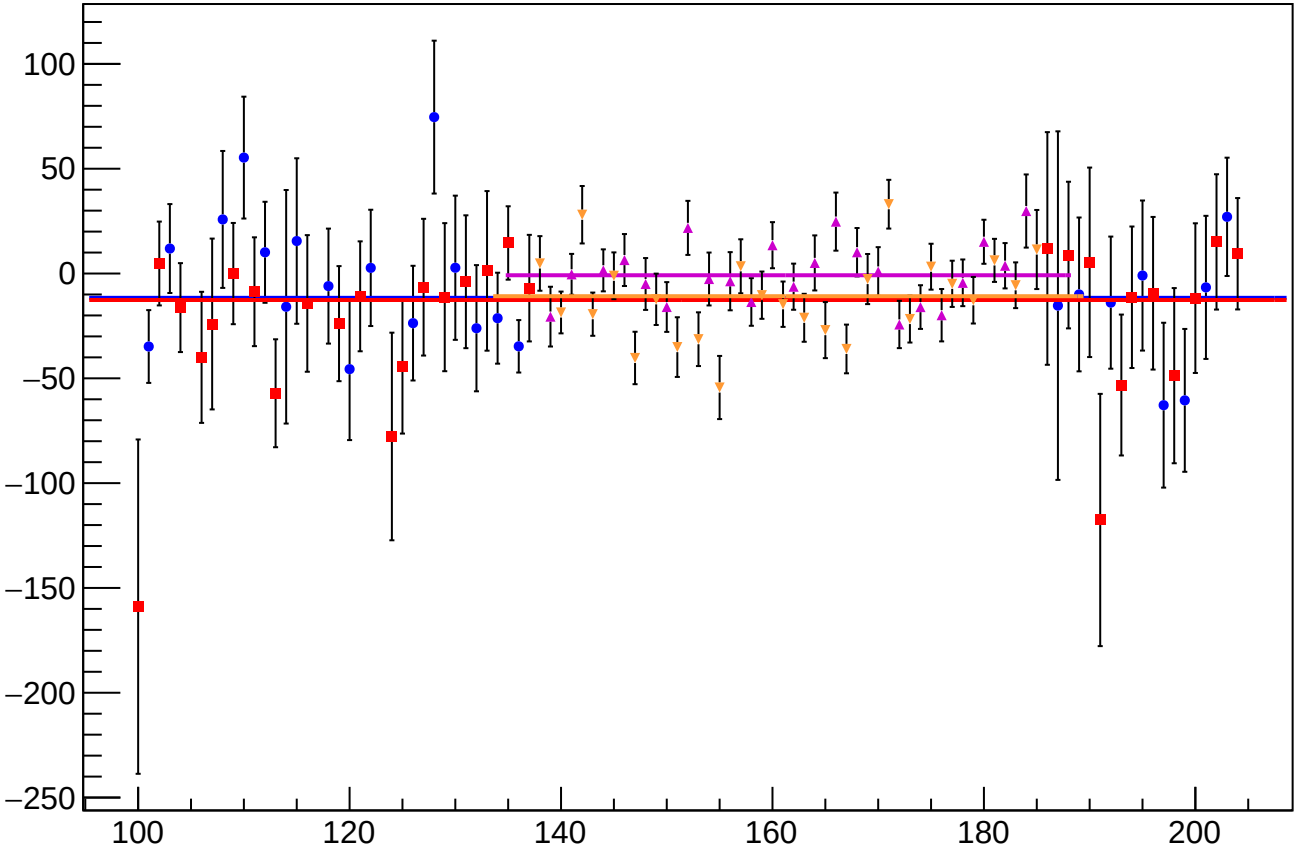
Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

+ sign 25166.754+/-3.202 χ^2/NDF: 2781622.3/48

All: 25454.235+/-2.267 χ^2/NDF: 5603504.0/

- sign 25743.085+/-3.209 χ^2/NDF: 2805719.2/52

diff_bpm4aesumX_mean vs Slug



Right In: -11.599+/-5.531 χ^2/NDF: 27.8/23

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -12.629+/-5.529 χ^2/NDF: 21.3/29

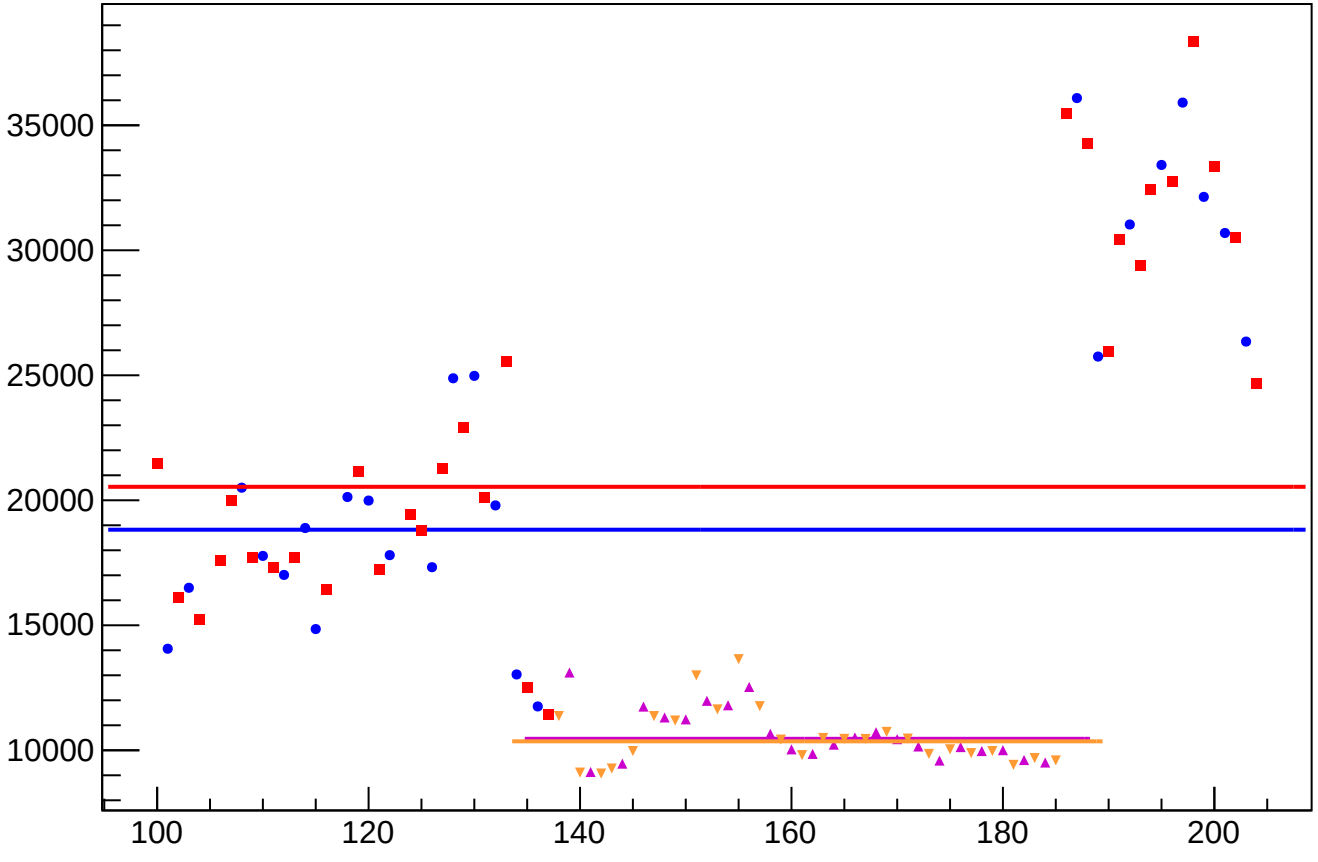
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -10.943+/-2.179 χ^2/NDF: 89.1/48

All: -6.981+/-1.564 χ^2/NDF: 150.4/101

- sign -2.773+/-2.245 χ^2/NDF: 54.5/52

diff_bpm4aesumX_rms vs Slug



Right In: 18823.198+/-3.911 χ^2/NDF: 2988219.9/23

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 20538.963+/-3.910 χ^2/NDF: 3126938.4/29

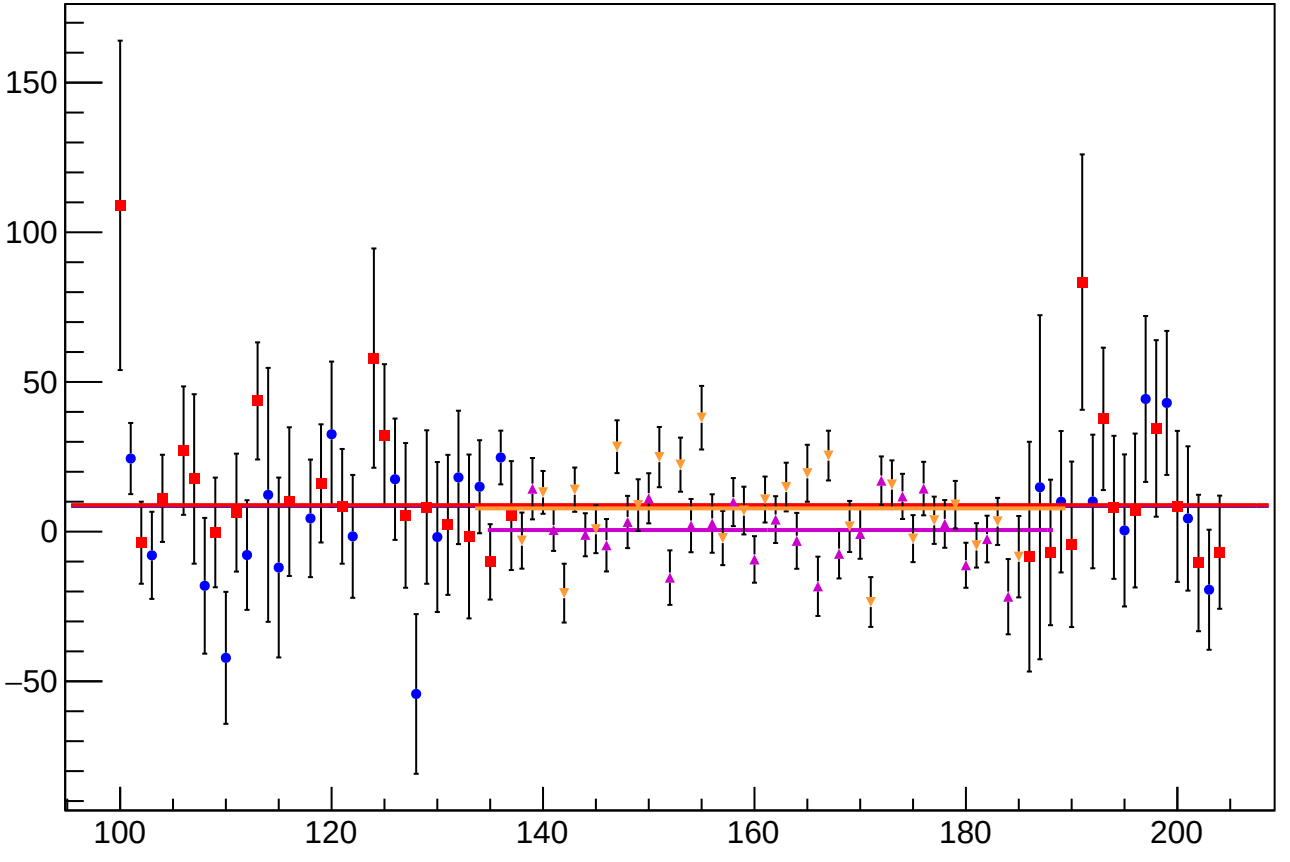
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11671.971+/-1.541 χ^2/NDF: 7309430.3/48

All: 11889.900+/-1.106 χ^2/NDF: 16343320.3

- sign 12121.362+/-1.588 χ^2/NDF: 8992624.9/52

diff_bpm4aediffX_mean vs Slug



Right In: 8.611+/-3.952 χ^2/NDF: 27.6/23

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 8.846+/-3.958 χ^2/NDF: 21.4/29

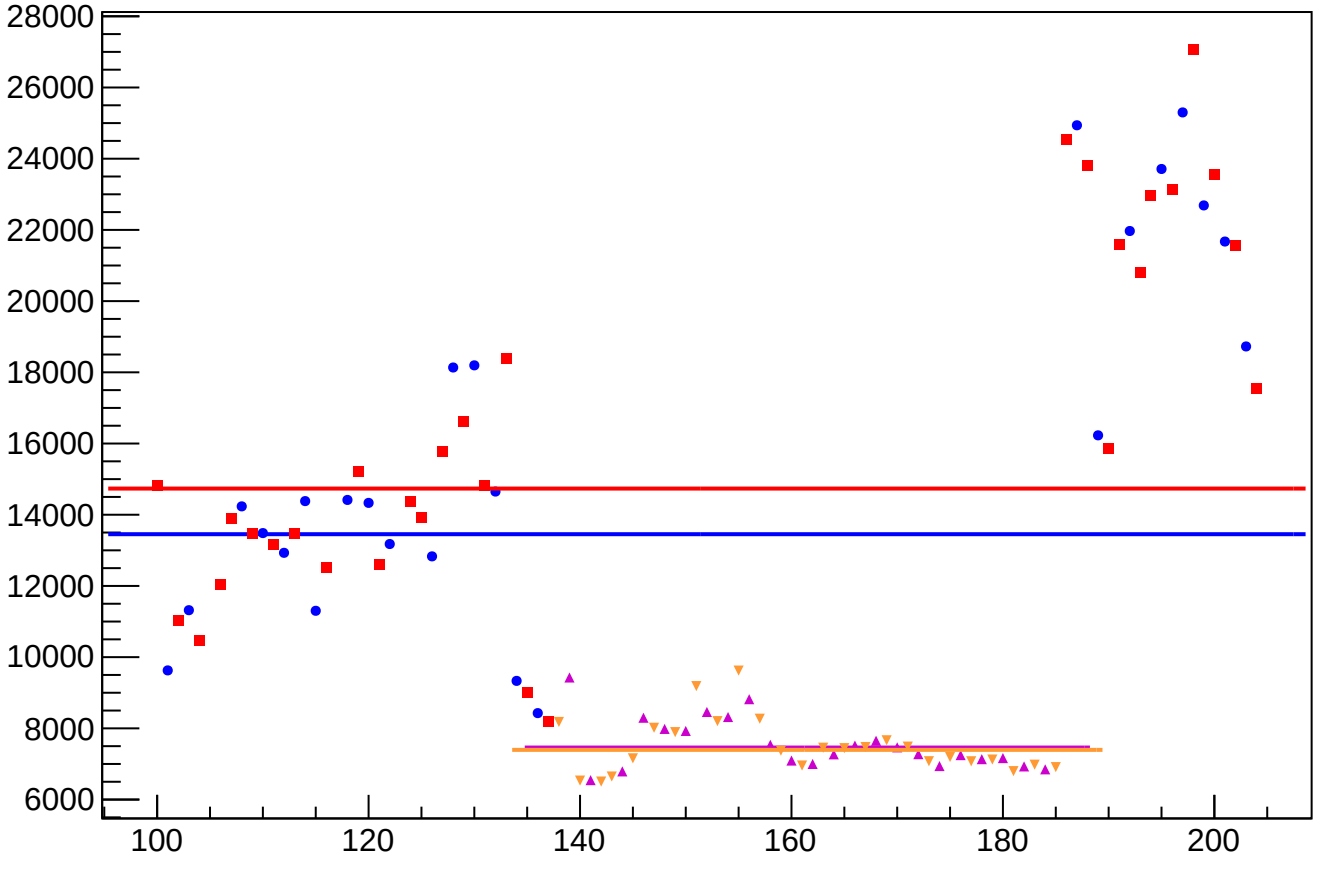
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 7.894+/-1.555 χ^2/NDF: 88.6/48

All: 4.983+/-1.116 χ^2/NDF: 150.4/101

- sign 1.894+/-1.602 χ^2/NDF: 54.5/52

diff_bpm4aediffX_rms vs Slug



Right In: 13453.240+/-2.795 χ^2/NDF: 2938321.9/23

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

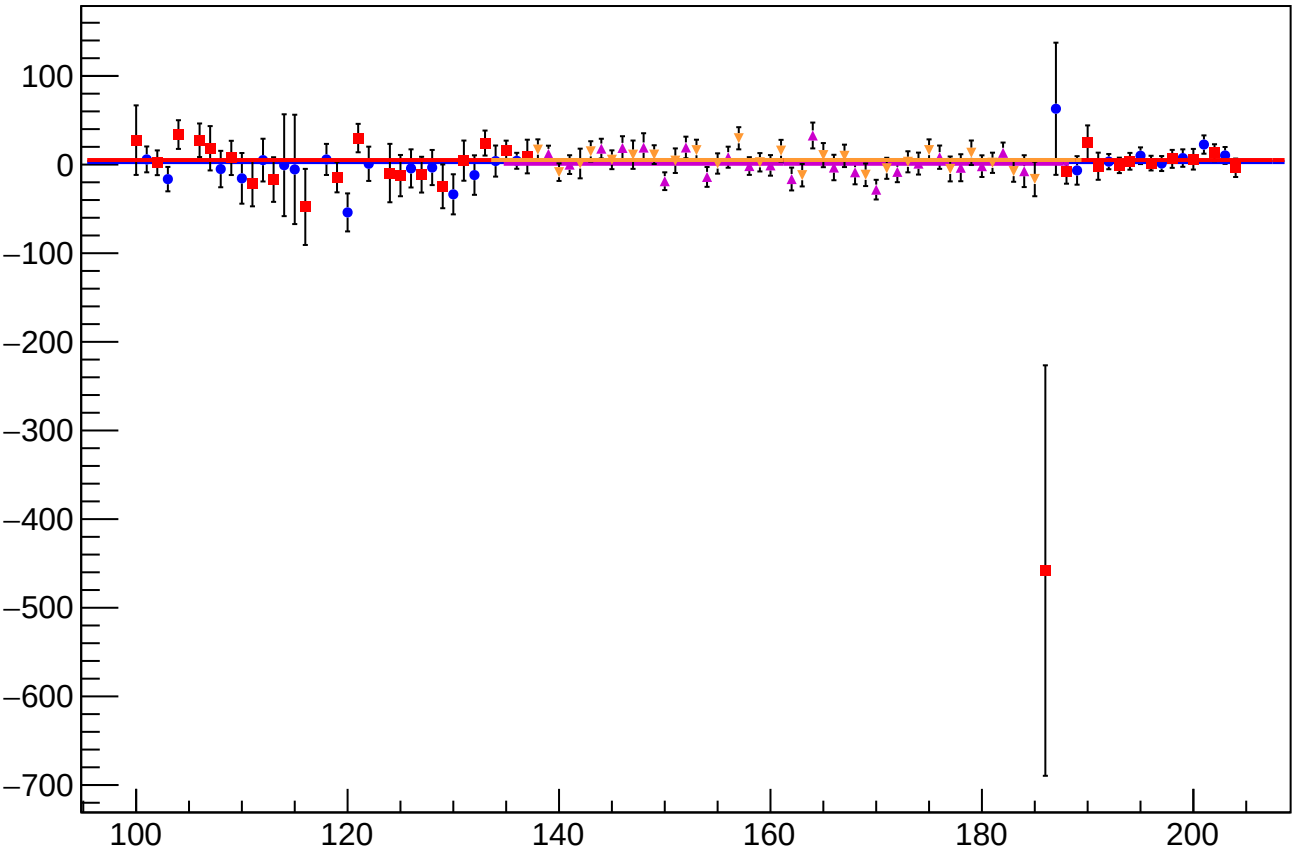
Right Out: 14735.047+/-2.799 χ^2/NDF: 3014262.7/29

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8333.353+/-1.100 χ^2/NDF: 7233411.2/48

All: 8488.095+/-0.789 χ^2/NDF: 16220167.7/1

- sign 8652.335+/-1.133 χ^2/NDF: 8945932.4/52



Right In: 2.794+/-2.867 χ^2/NDF: 19.0/23

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 5.126+/-2.668 χ^2/NDF: 26.1/29

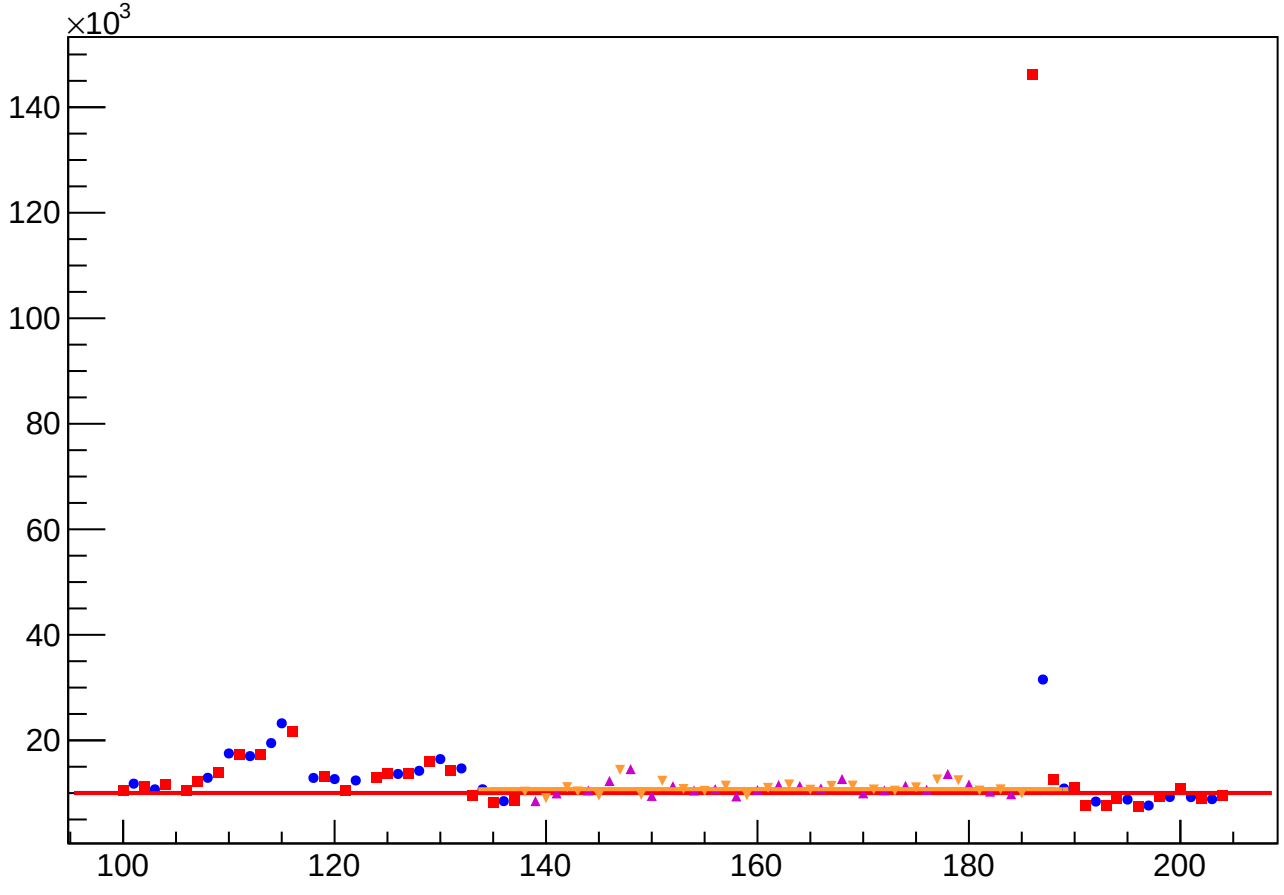
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 4.167+/-1.866 χ^2/NDF: 37.8/48

All: 3.515+/-1.307 χ^2/NDF: 97.2/101

- sign 2.886+/-1.832 χ^2/NDF: 59.2/52

diff_bpm4aesumY_rms vs Slug



Right In: 10034.083+/-2.027 χ^2/NDF: 1584137.8/23

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10001.743+/-1.887 χ^2/NDF: 2290958.4/29

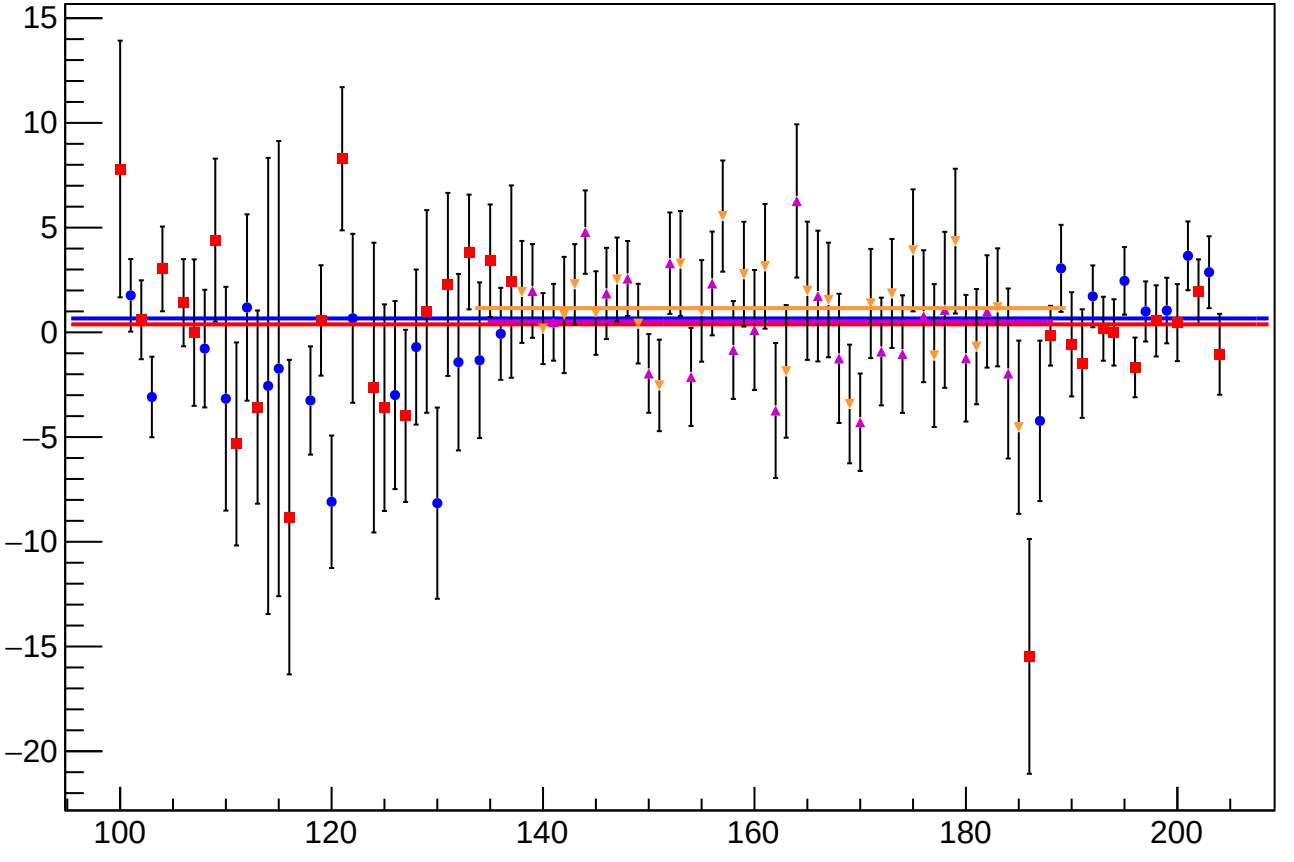
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10437.192+/-1.320 χ^2/NDF: 2021051.0/48

All: 10397.330+/-0.924 χ^2/NDF: 4882142.6/1

- sign 10358.943+/-1.295 χ^2/NDF: 2859300.8/52

diff_bpm4aediffY_mean vs Slug



Right In: 0.664+/-0.477 χ^2/NDF: 30.1/23

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 0.382+/-0.435 χ^2/NDF: 31.3/29

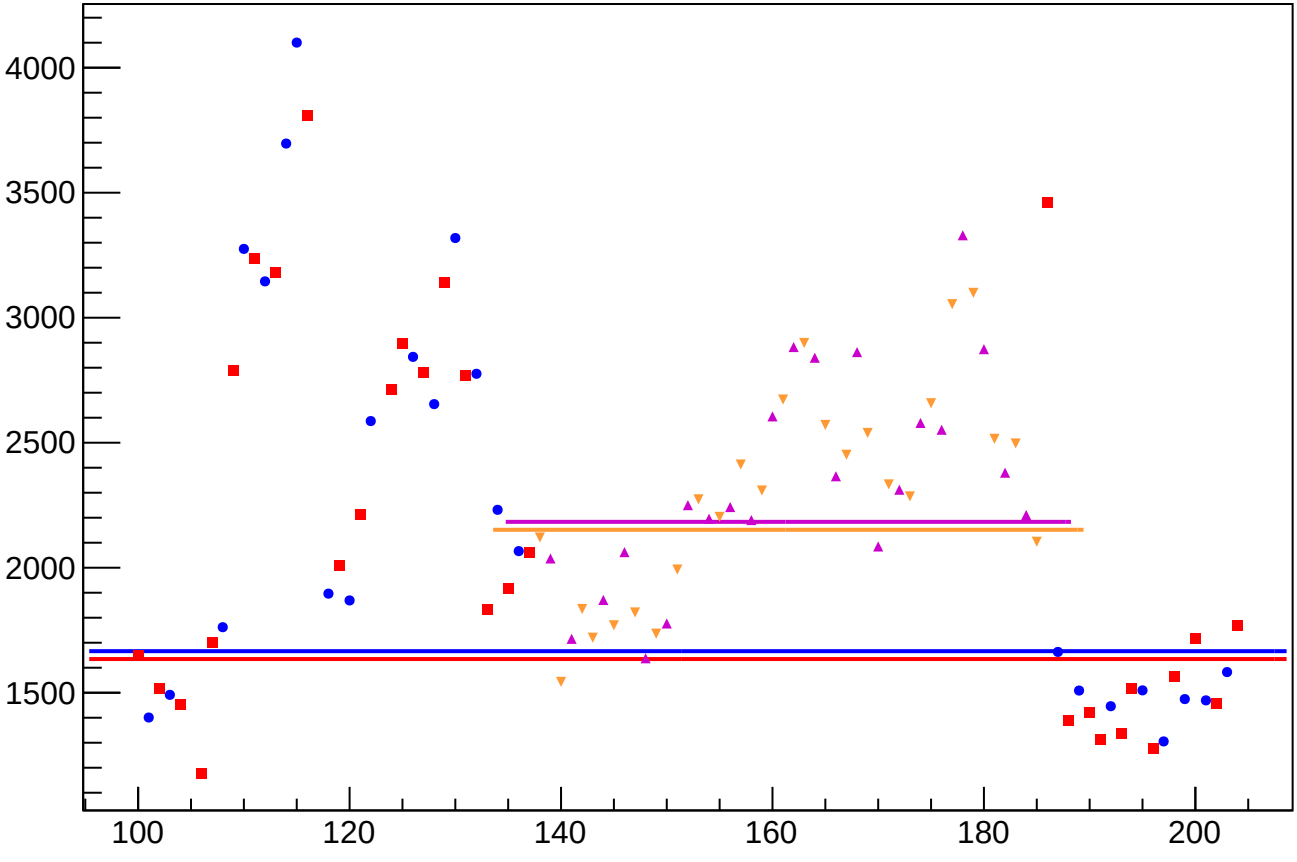
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.899+/-0.345 χ^2/NDF: 47.4/48

All: 0.661+/-0.240 χ^2/NDF: 102.0/101

- sign 0.439+/-0.334 χ^2/NDF: 53.6/52

diff_bpm4aediffY_rms vs Slug



Right In: 1666.231+/-0.337 χ^2/NDF: 1824705.6/23

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1634.748+/-0.307 χ^2/NDF: 2291849.5/29

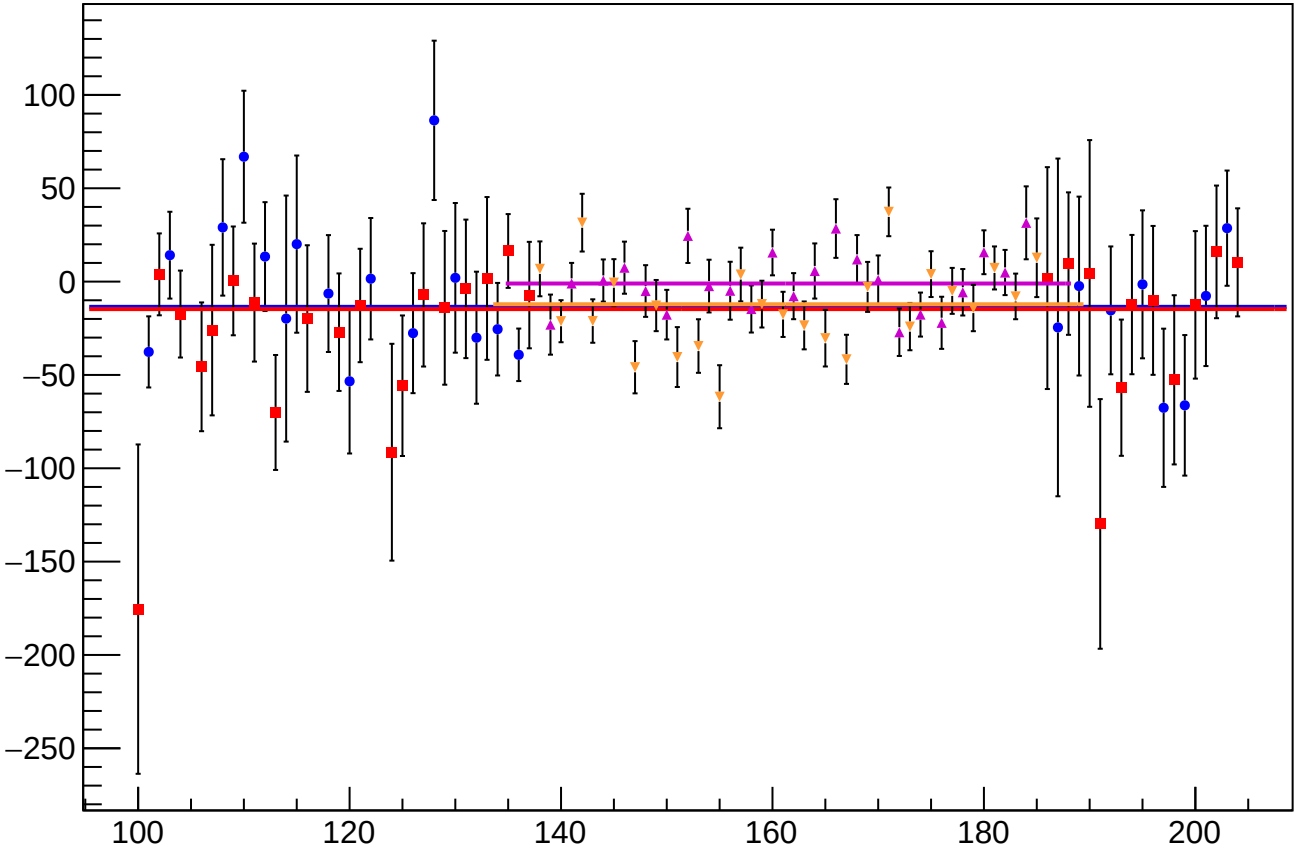
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 1897.444+/-0.244 χ^2/NDF: 4161513.8/48

All: 1878.410+/-0.170 χ^2/NDF: 8938420.1/10

- sign 1860.632+/-0.236 χ^2/NDF: 4765141.6/52

diff_bpmtargetsumX_mean vs Slug



Right In: -13.526+/-6.284 χ^2/NDF: 27.5/23

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

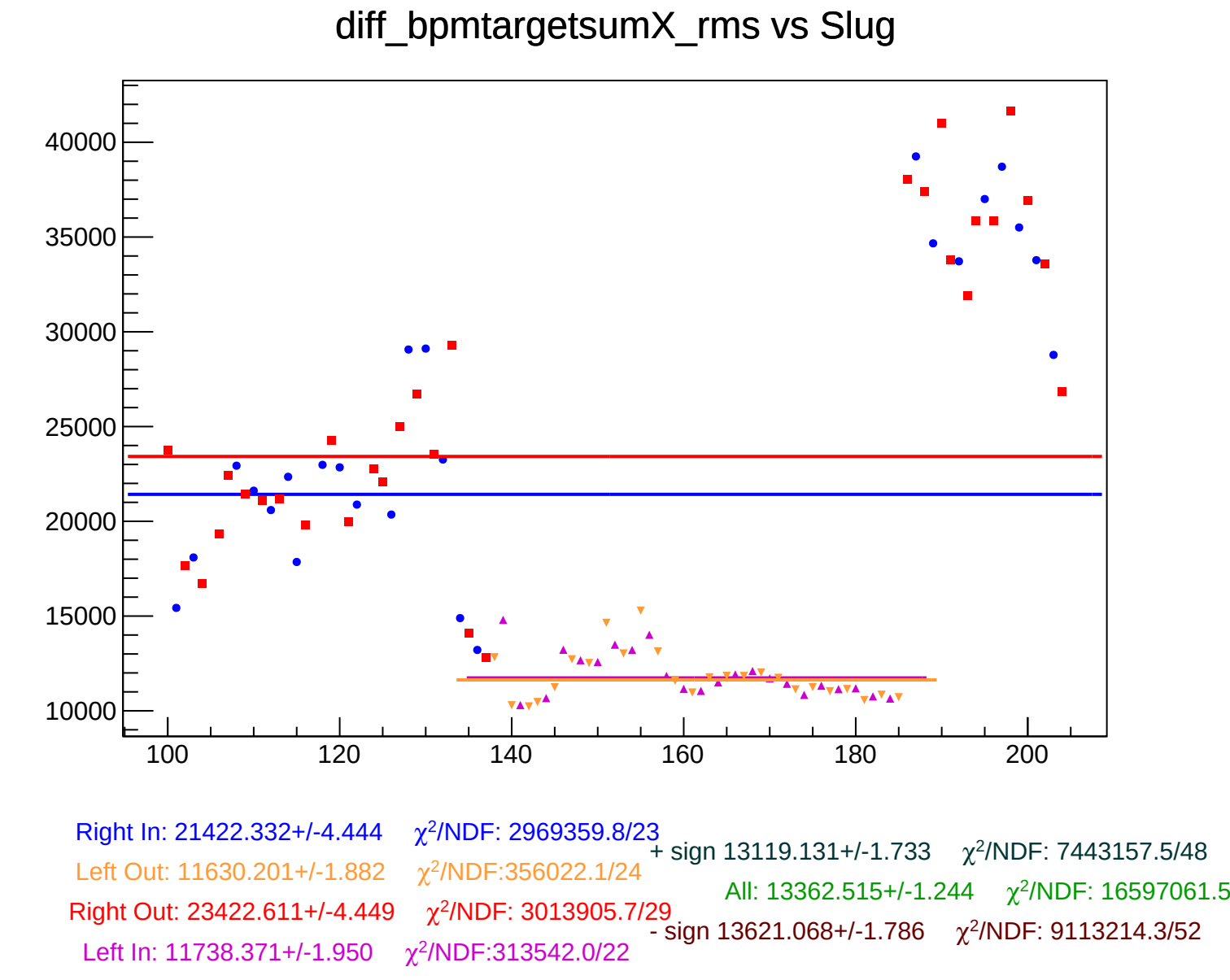
Right Out: -14.733+/-6.292 χ^2/NDF: 21.4/29

Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

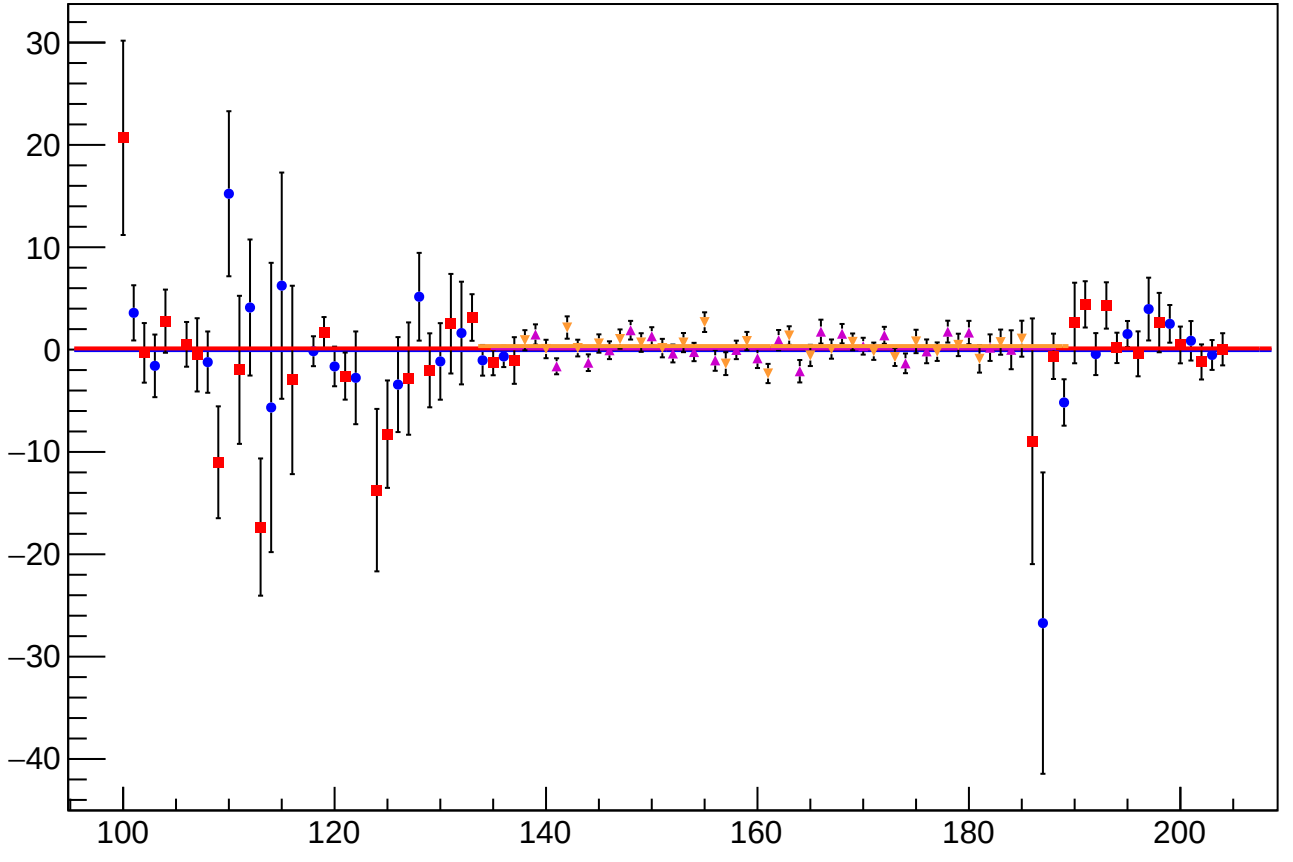
+ sign -12.346+/-2.450 χ^2/NDF: 90.2/48

All: -7.927+/-1.759 χ^2/NDF: 151.1/101

- sign -3.233+/-2.526 χ^2/NDF: 54.2/52


diff_bpmtargetsumX_rms vs Slug
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 21422.332+/-4.444 χ²/NDF: 2969359.8/23
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 23422.611+/-4.449 χ²/NDF: 3013905.7/29
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
+ sign 13119.131+/-1.733 χ²/NDF: 7443157.5/48
All: 13362.515+/-1.244 χ²/NDF: 16597061.5
- sign 13621.068+/-1.786 χ²/NDF: 9113214.3/52

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.049+/-0.449 χ^2/NDF: 24.7/23

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 0.114+/-0.448 χ^2/NDF: 38.5/29

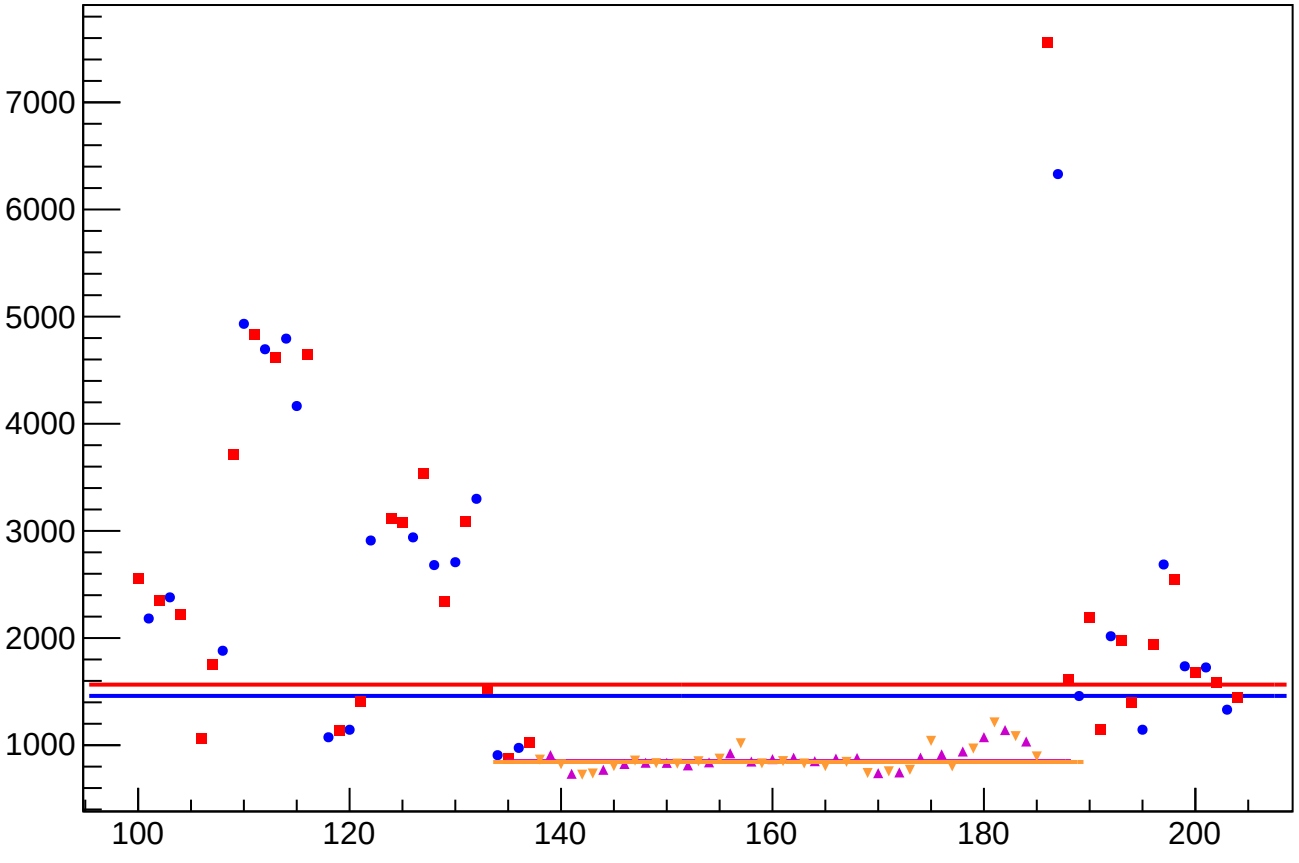
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.281+/-0.178 χ^2/NDF: 52.1/48

All: 0.221+/-0.128 χ^2/NDF: 127.1/101

- sign 0.156+/-0.183 χ^2/NDF: 74.8/52

diff_bpmtargetdiffX_rms vs Slug



Right In: 1459.957+/-0.317 χ^2/NDF: 4312792.9/23

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1565.288+/-0.317 χ^2/NDF: 4451295.9/29

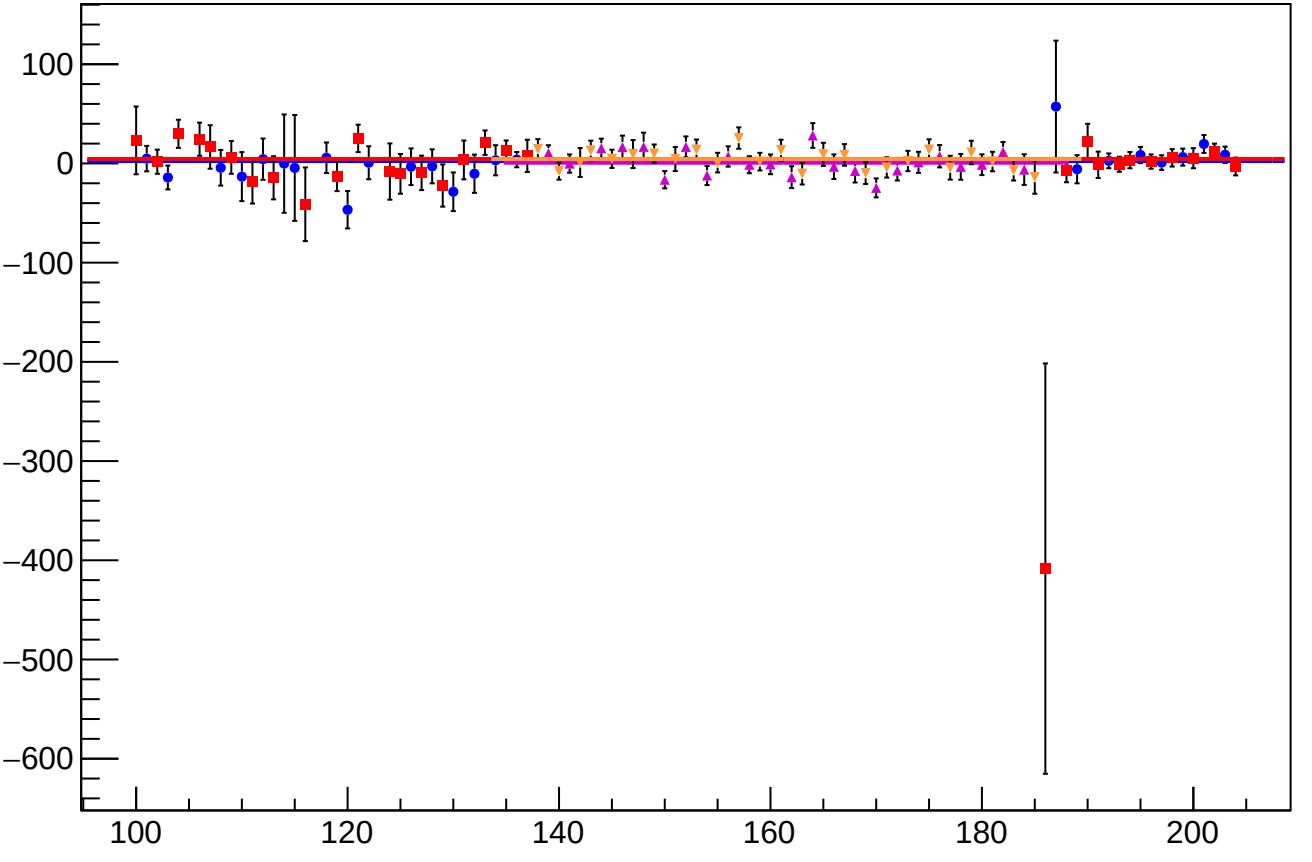
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 940.237+/-0.126 χ^2/NDF: 8003695.3/48

All: 955.273+/-0.090 χ^2/NDF: 17098521.7/10

- sign 971.235+/-0.130 χ^2/NDF: 9065363.1/52

diff_bpmtargetsumY_mean vs Slug



Right In: 2.407+/-2.488 χ^2/NDF: 18.6/23

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 4.463+/-2.319 χ^2/NDF: 26.0/29

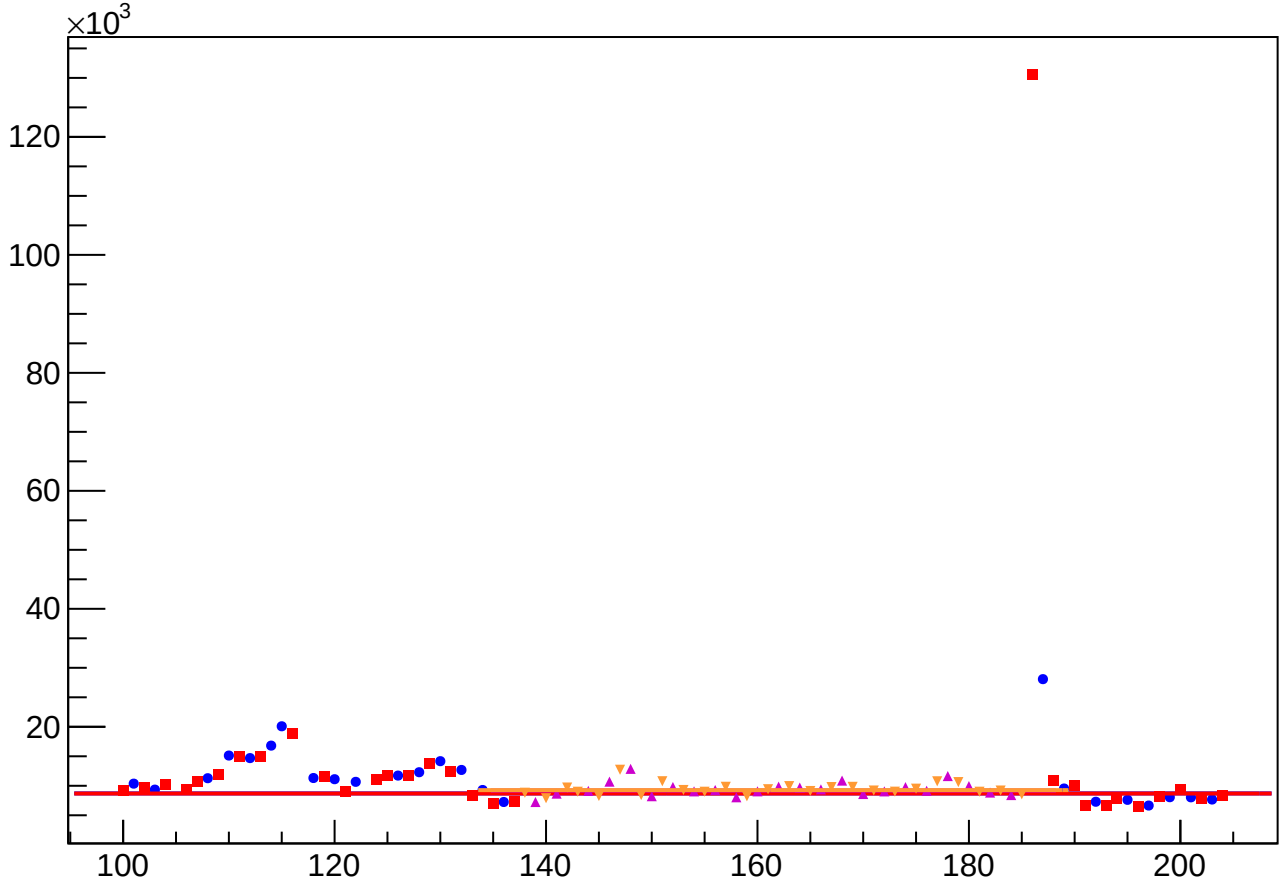
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 3.551+/-1.614 χ^2/NDF: 37.6/48

All: 3.003+/-1.131 χ^2/NDF: 97.2/101

- sign 2.475+/-1.585 χ^2/NDF: 59.4/52

diff_bpmtargetsumY_rms vs Slug



Right In: 8706.058+/-1.760 χ^2/NDF: 1594866.6/23

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8686.831+/-1.640 χ^2/NDF: 2297149.8/29

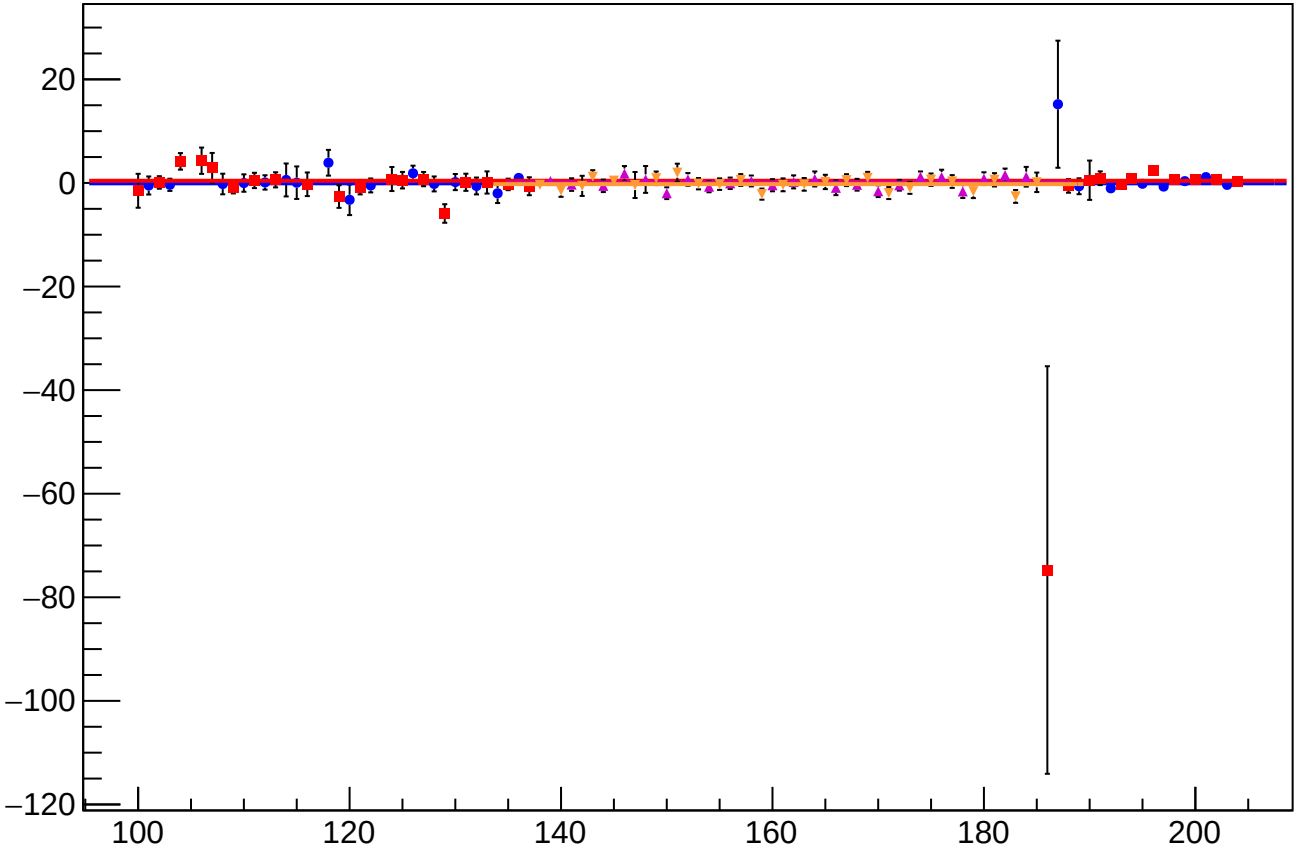
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9027.713+/-1.142 χ^2/NDF: 2018649.6/48

All: 8993.265+/-0.800 χ^2/NDF: 4885201.0/10

- sign 8960.080+/-1.120 χ^2/NDF: 2864763.6/52

diff_bpmtargetdiffY_mean vs Slug



Right In: -0.072+/-0.242 χ^2/NDF: 14.7/23

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.420+/-0.225 χ^2/NDF: 37.9/29

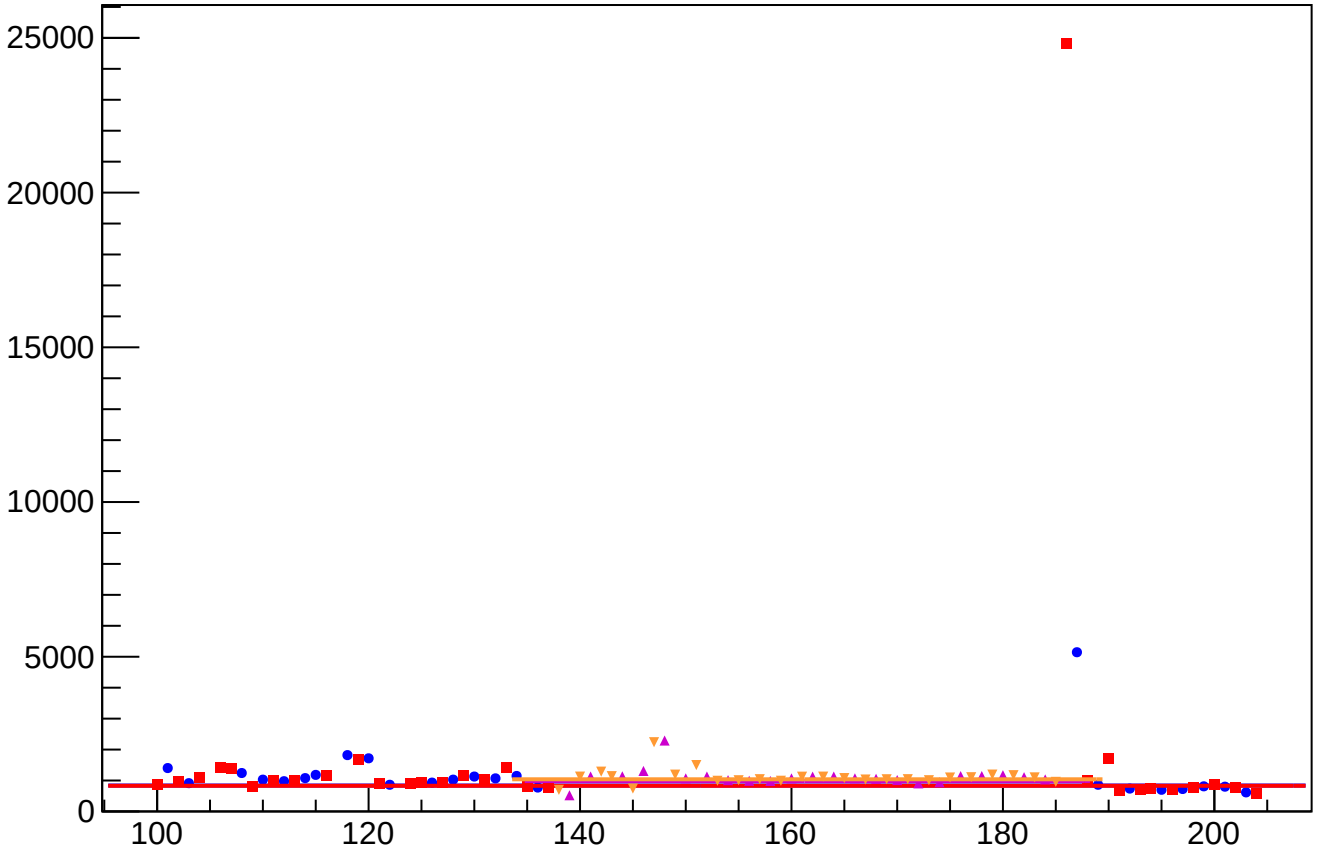
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.150+/-0.172 χ^2/NDF: 33.9/48

All: 0.051+/-0.118 χ^2/NDF: 91.1/101

- sign 0.235+/-0.164 χ^2/NDF: 54.6/52

diff_bpmtargetdiffY_rms vs Slug



Right In: 838.294+/-0.171 χ^2/NDF: 1710193.2/23

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

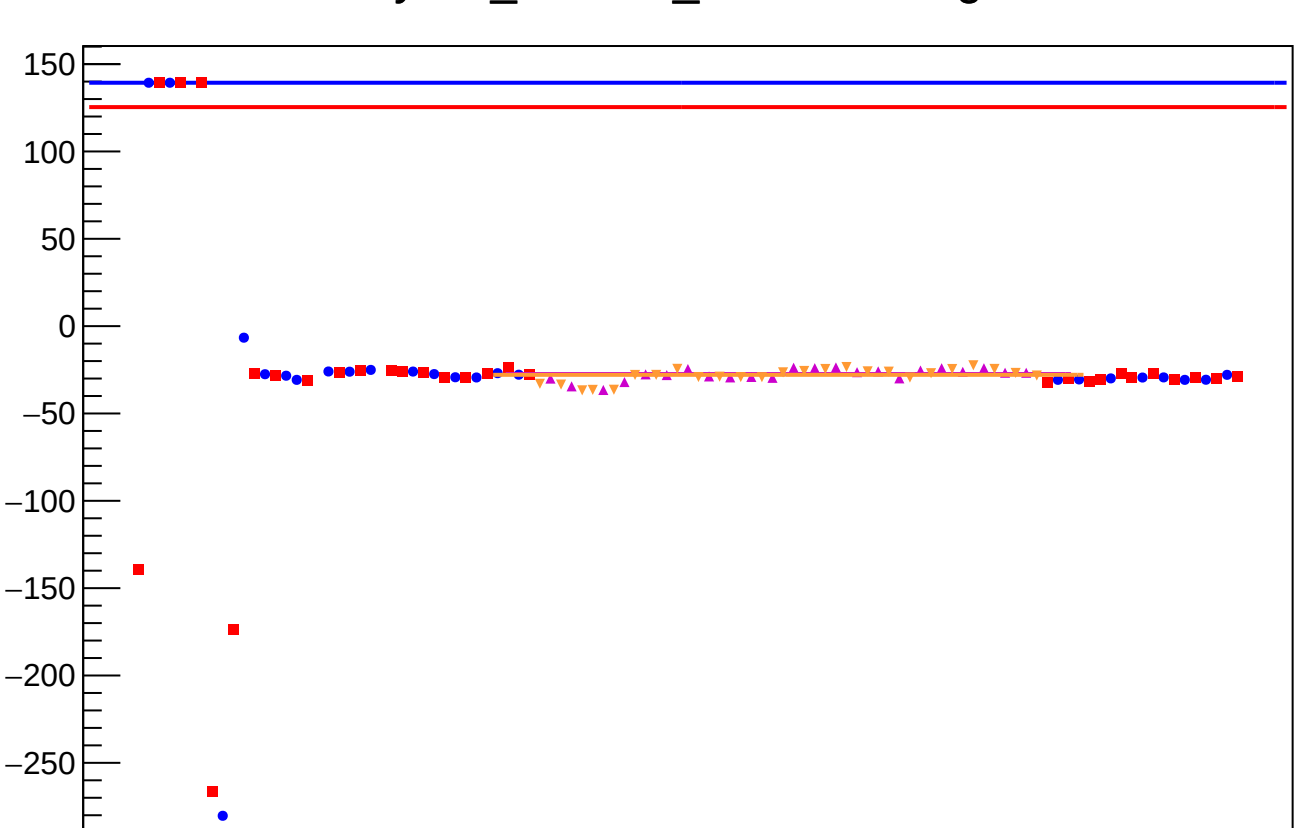
Right Out: 829.622+/-0.159 χ^2/NDF: 2267956.0/29

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

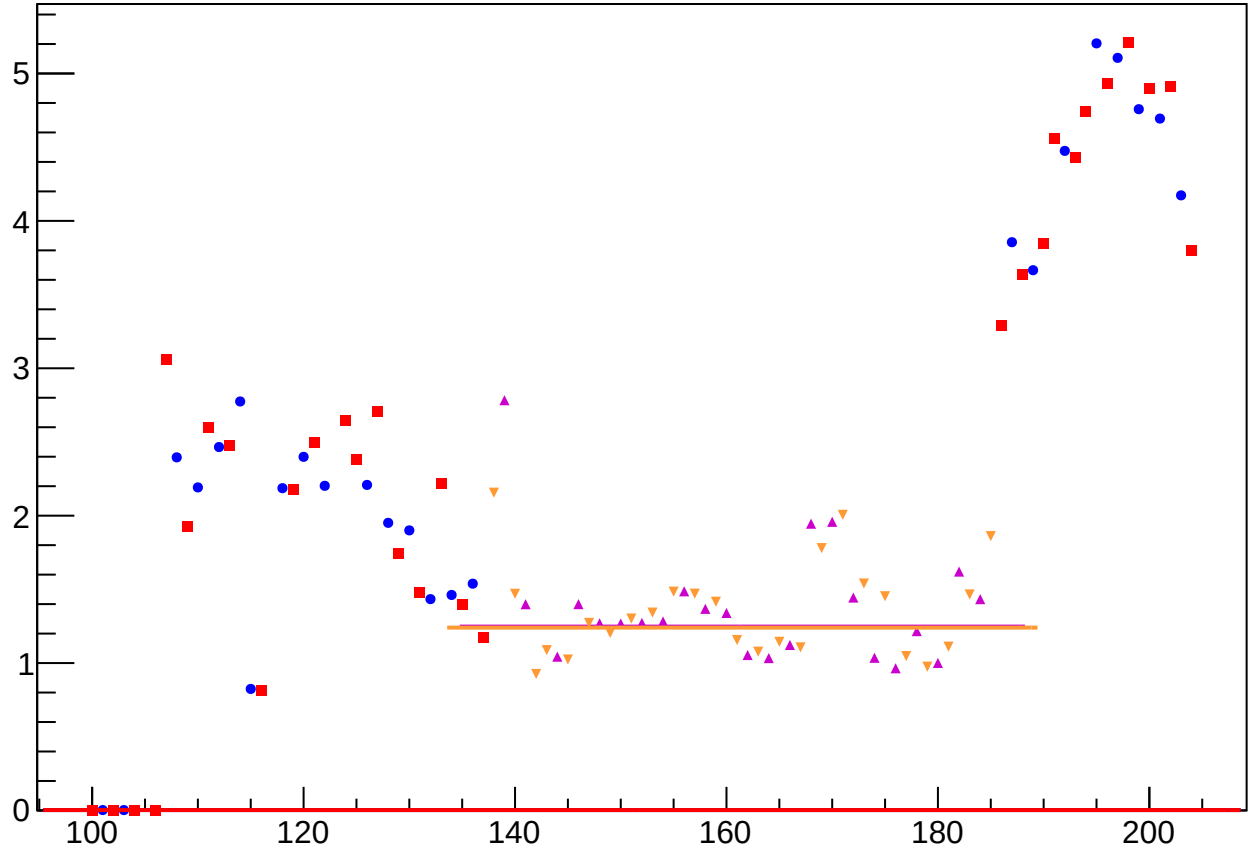
+ sign 938.166+/-0.121 χ^2/NDF: 3737414.1/48

All: 918.667+/-0.084 χ^2/NDF: 8709531.2/101

- sign 900.904+/-0.116 χ^2/NDF: 4922721.8/52


yield_cav4bX_mean vs Slug
150
100
50
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
200
Right In: 139.337+/-0.000 χ²/NDF: 55153534262.7/23
Left Out: -27.865+/-0.000 χ²/NDF:181586557.6/24
Right Out: 125.391+/-0.000 χ²/NDF: 774182980135348.1/29
Left In: -27.427+/-0.000 χ²/NDF:123181562.3/22
+ sign 139.327+/-0.000 χ²/NDF: 329696501252.5/4
All: 131.810+/-0.000 χ²/NDF: 79350547115
- sign 125.385+/-0.000 χ²/NDF: 774396632949125

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 21158374.7/23

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

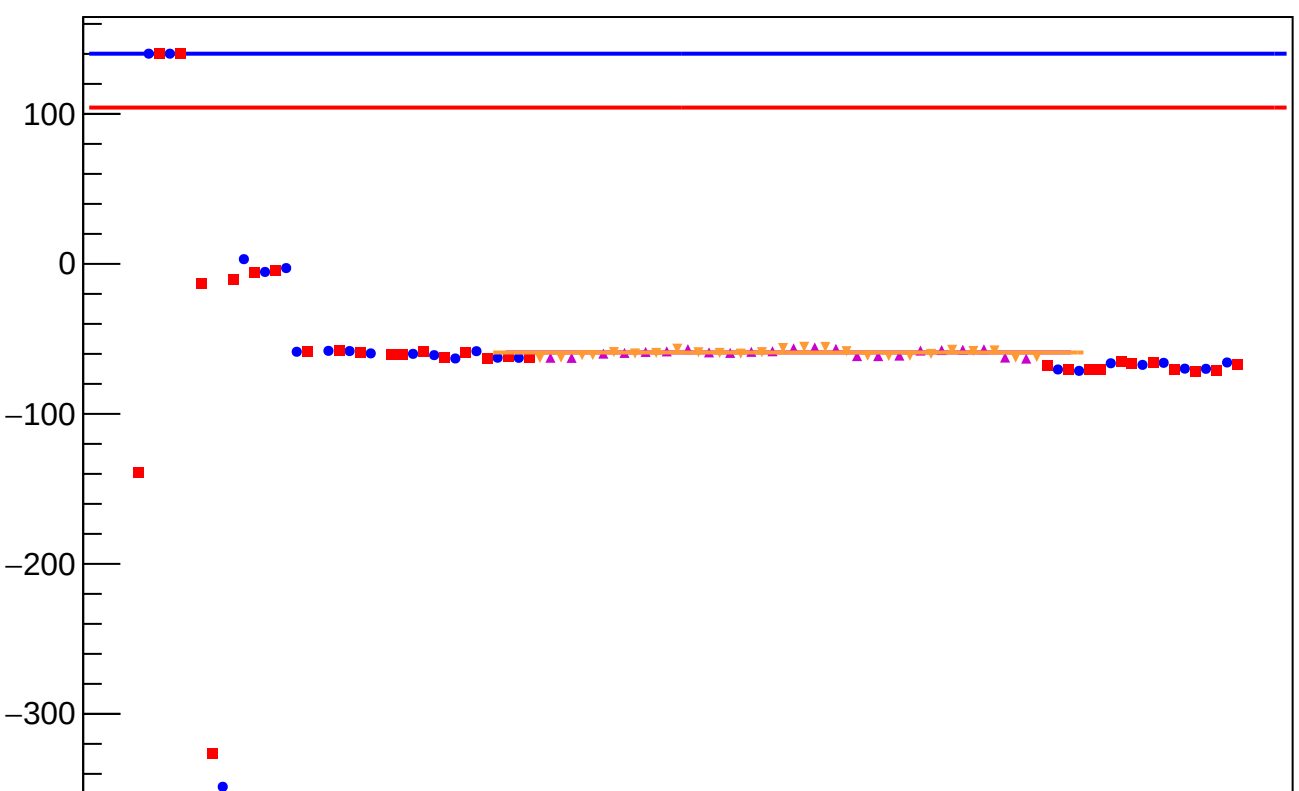
Right Out: 0.003+/-0.000 χ^2/NDF: 25172795.3/29

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 52456685.4/48

All: 0.003+/-0.000 χ^2/NDF: 107396833.4/101

- sign 0.003+/-0.000 χ^2/NDF: 54939790.4/52



Right In: 140.138+/-0.000 χ^2/NDF: 382300762332.4/23

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.219+/-0.000 χ^2/NDF: 1257573472964045.5/29

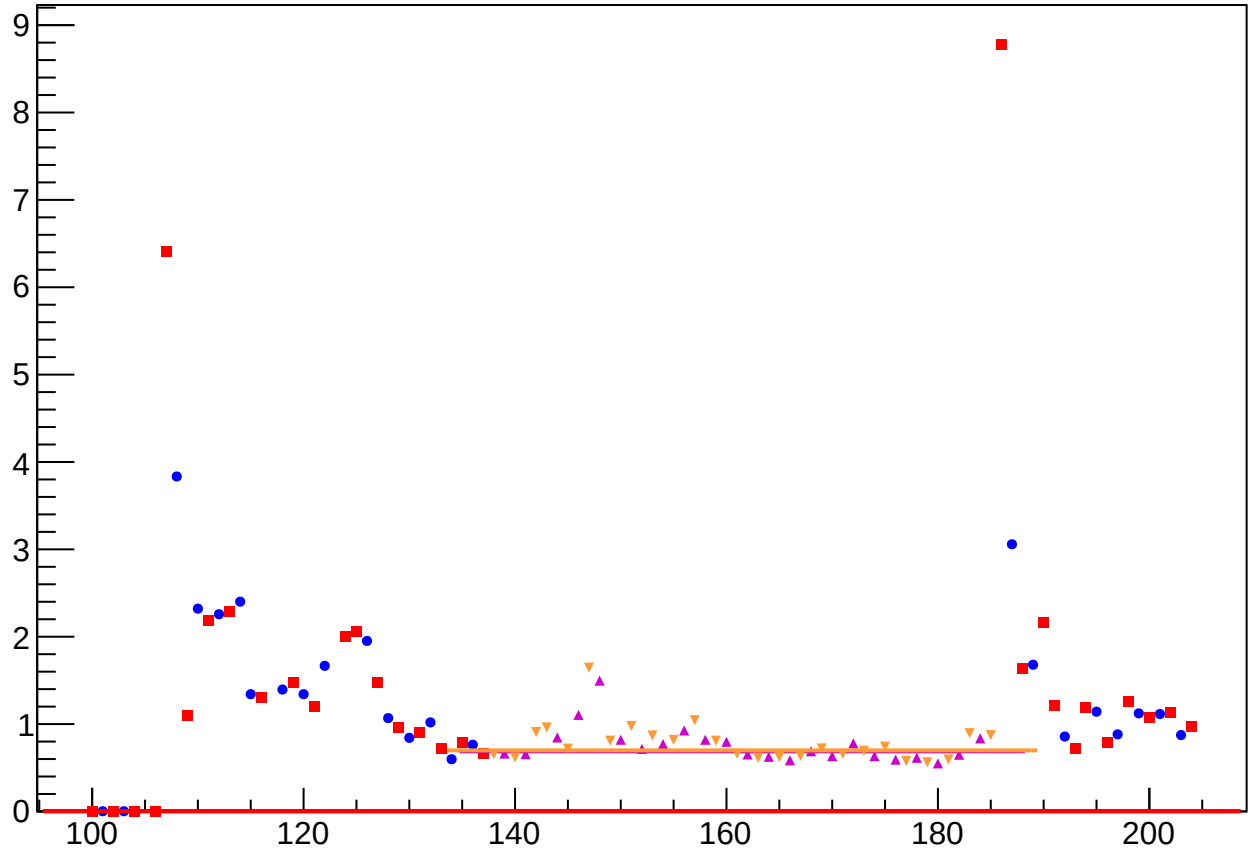
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.102+/-0.000 χ^2/NDF: 1679423216717.6

All: 120.796+/-0.000 χ^2/NDF: 13833603449

- sign 104.194+/-0.000 χ^2/NDF: 125843048729869

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 20012093.0/23

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

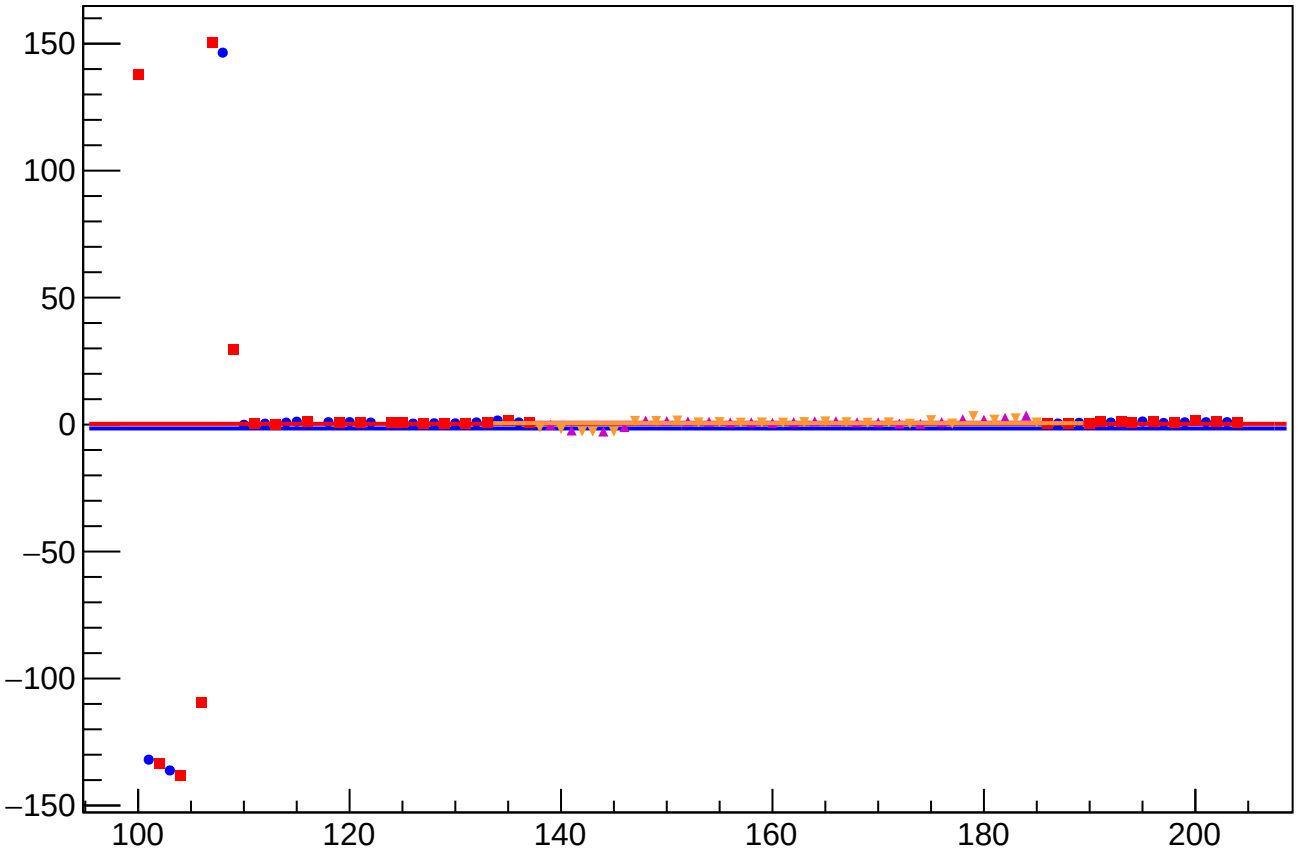
Right Out: 0.003+/-0.000 χ^2/NDF: 23574110.7/29

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

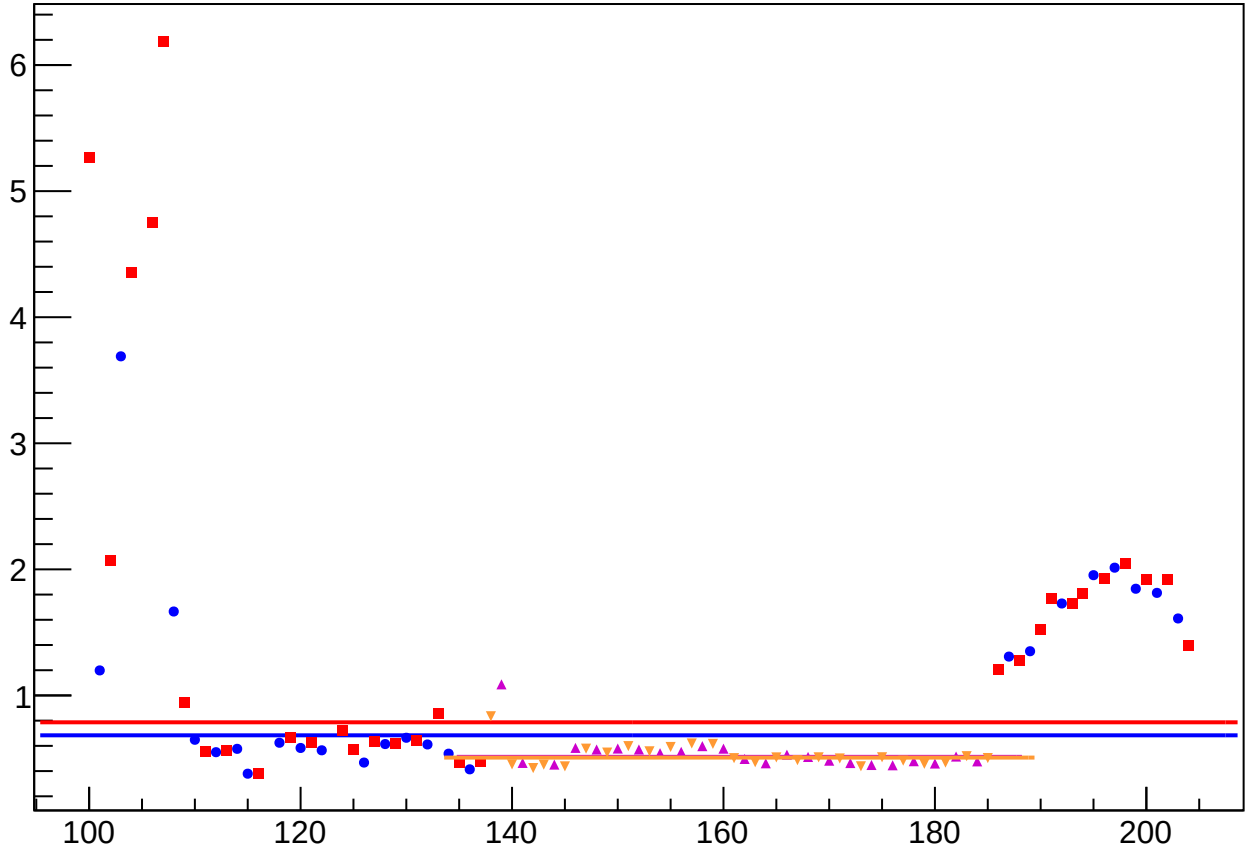
+ sign 0.003+/-0.000 χ^2/NDF: 53064158.2/48

All: 0.003+/-0.000 χ^2/NDF: 107946840.4/101

- sign 0.003+/-0.000 χ^2/NDF: 54882178.1/52


yield_cav4cX_mean vs Slug
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
Right In: -1.531+/-0.000 χ²/NDF: 9899615589.2/23
Left Out: 0.575+/-0.000 χ²/NDF:154364809.1/24
Right Out: 0.290+/-0.000 χ²/NDF: 3612899480.7/29
Left In: 0.732+/-0.000 χ²/NDF:105135095.8/22
+ sign 0.093+/-0.000 χ²/NDF: 10115769419.2/48
All: 0.351+/-0.000 χ²/NDF: 13847272821.5/1
- sign 0.633+/-0.000 χ²/NDF: 3720498532.2/52

yield_cav4cX_rms vs Slug



Right In: 0.684+/-0.000 χ^2/NDF: 6406199.1/23

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.787+/-0.000 χ^2/NDF: 7733199.0/29

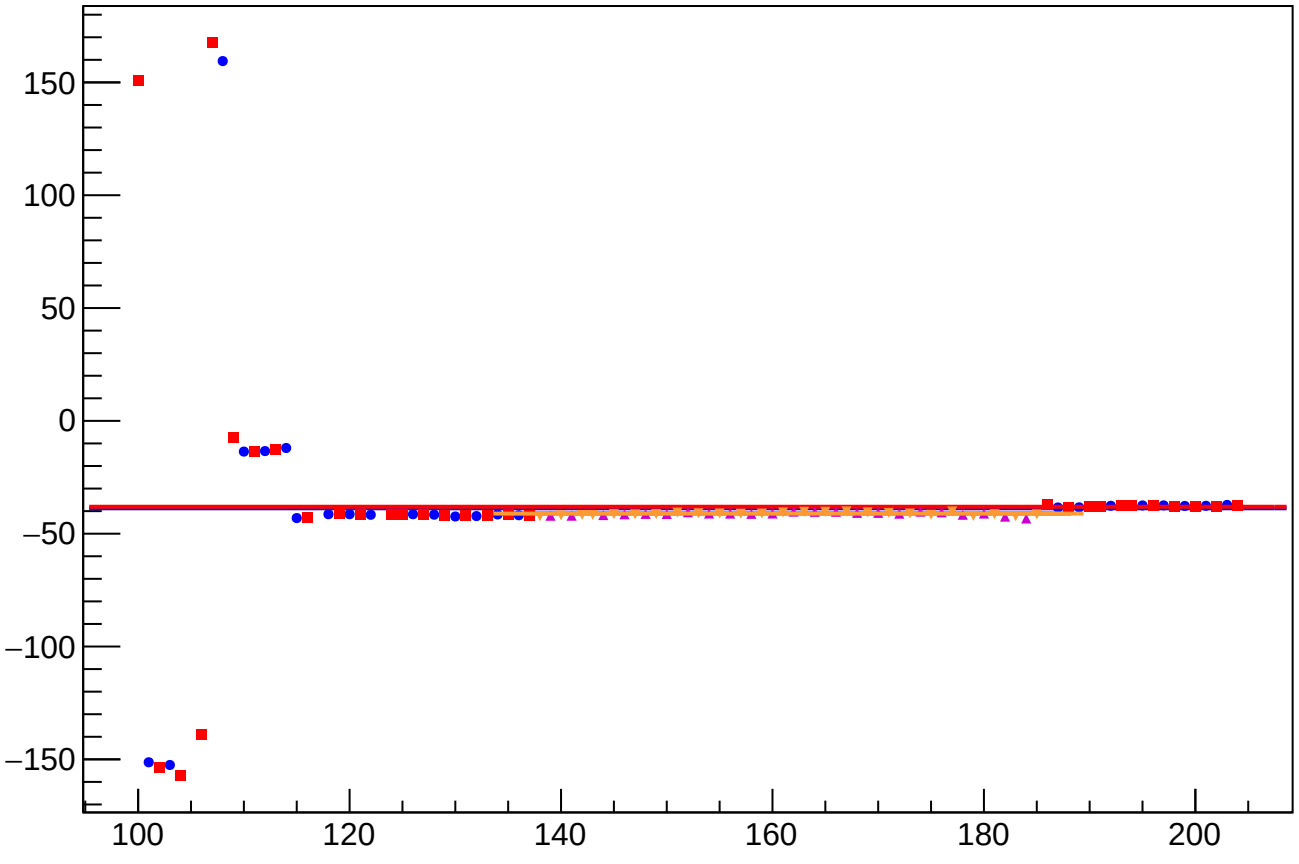
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.547+/-0.000 χ^2/NDF: 7830516.7/48

All: 0.560+/-0.000 χ^2/NDF: 18265445.7/101

- sign 0.574+/-0.000 χ^2/NDF: 10379957.9/52

yield_cav4cY_mean vs Slug



Right In: -38.739+/-0.000 χ^2/NDF: 3593543674.5/23

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.060+/-0.000 χ^2/NDF: 2510916983.4/29

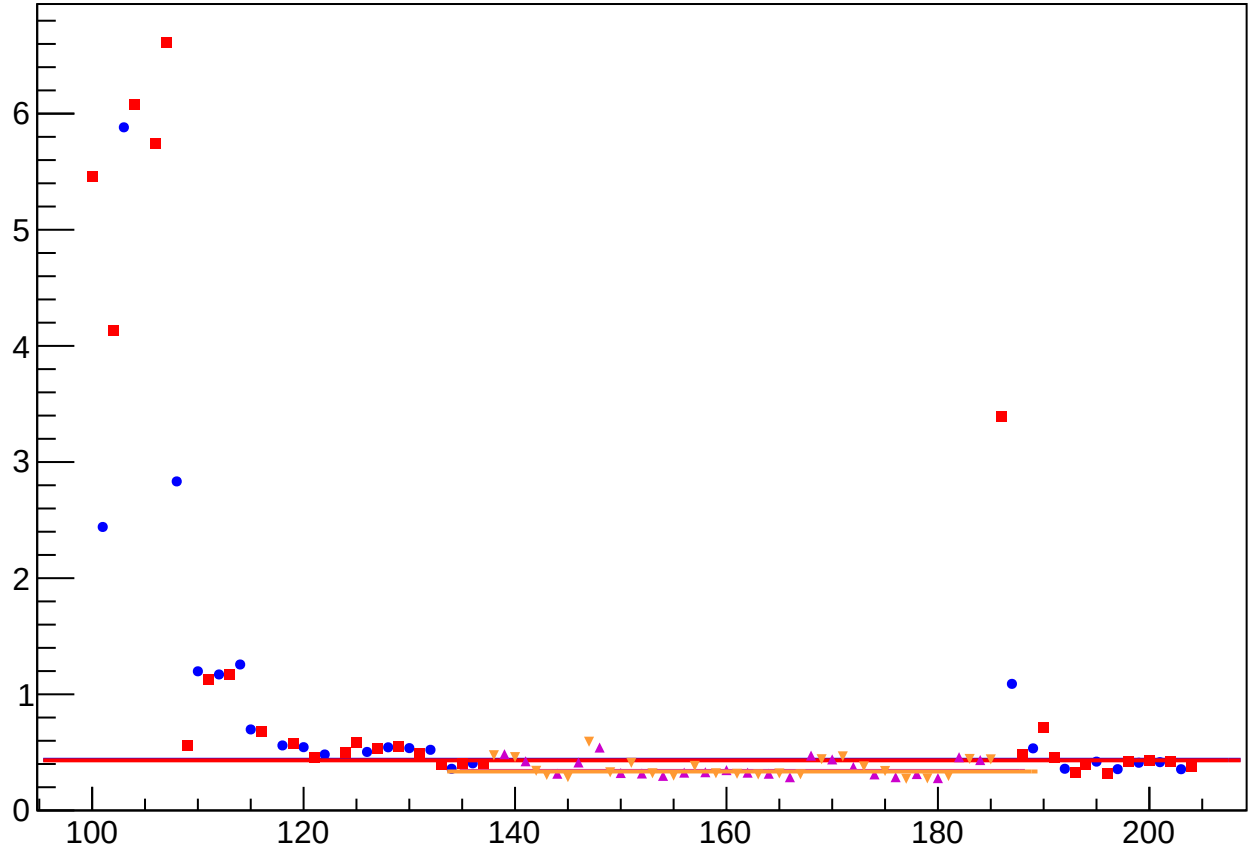
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.494+/-0.000 χ^2/NDF: 3875411154.6/48

All: -40.314+/-0.000 χ^2/NDF: 6838616420.0/

- sign -40.131+/-0.000 χ^2/NDF: 2949387336.8/52

yield_cav4cY_rms vs Slug



Right In: 0.436+/-0.000 χ^2/NDF: 3641399.5/23

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

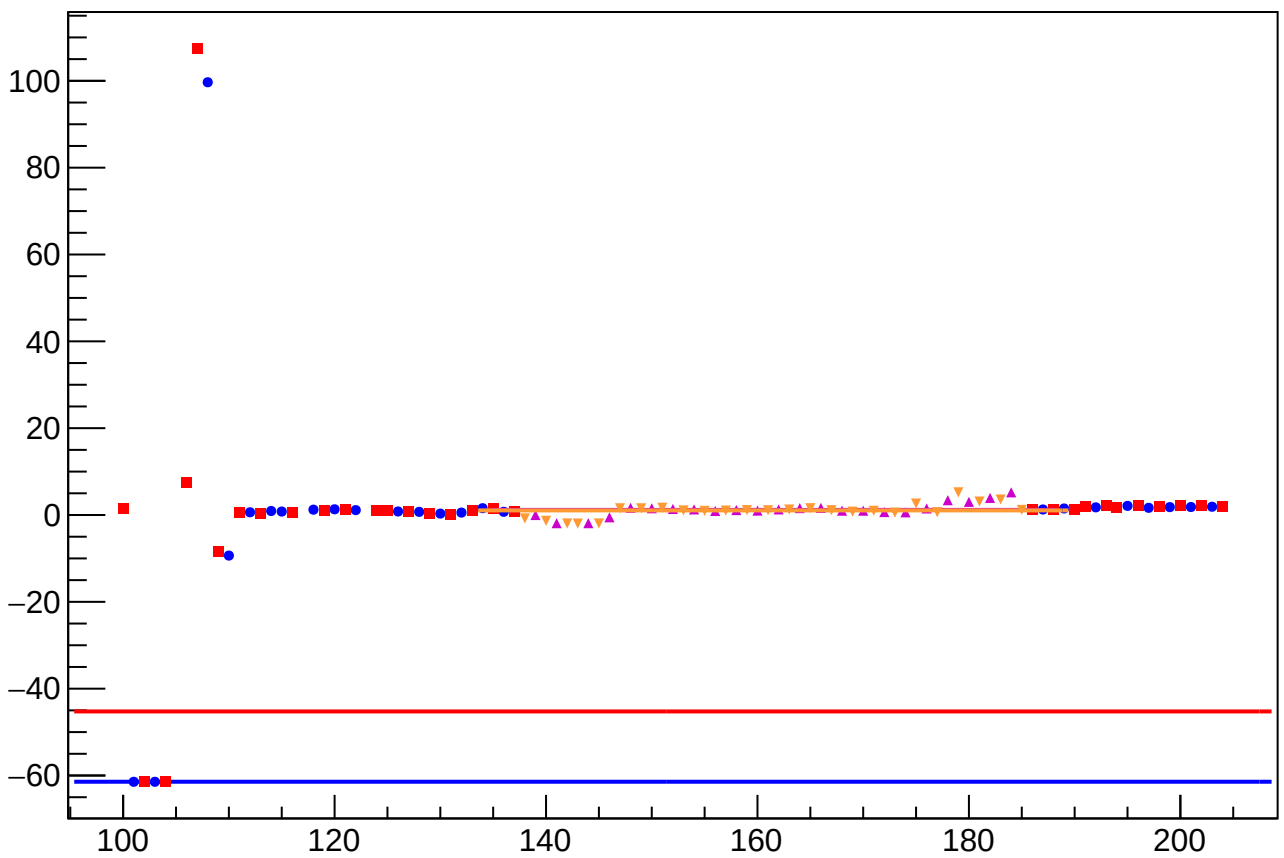
Right Out: 0.432+/-0.000 χ^2/NDF: 4650623.3/29

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.361+/-0.000 χ^2/NDF: 5691054.8/48

All: 0.365+/-0.000 χ^2/NDF: 12149894.6/101

- sign 0.368+/-0.000 χ^2/NDF: 6449571.0/52



Right In: -61.436+/-0.000 χ^2/NDF: 283699201896.9/23

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357878727024461.8/29

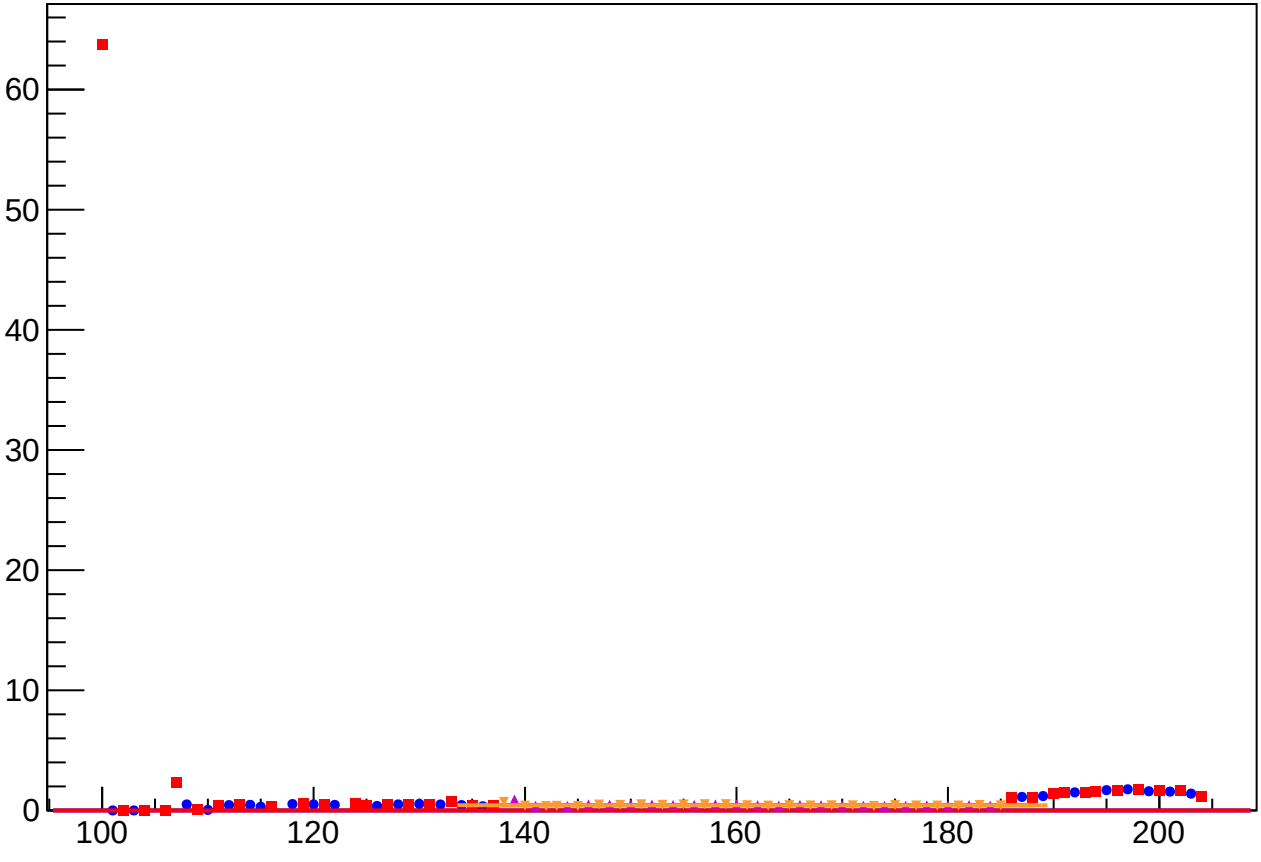
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 613703152696.1/4

All: -52.738+/-0.000 χ^2/NDF: 409610213264

- sign -45.236+/-0.000 χ^2/NDF: 358045290892801.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 20723902.7/23

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 24774112.8/29

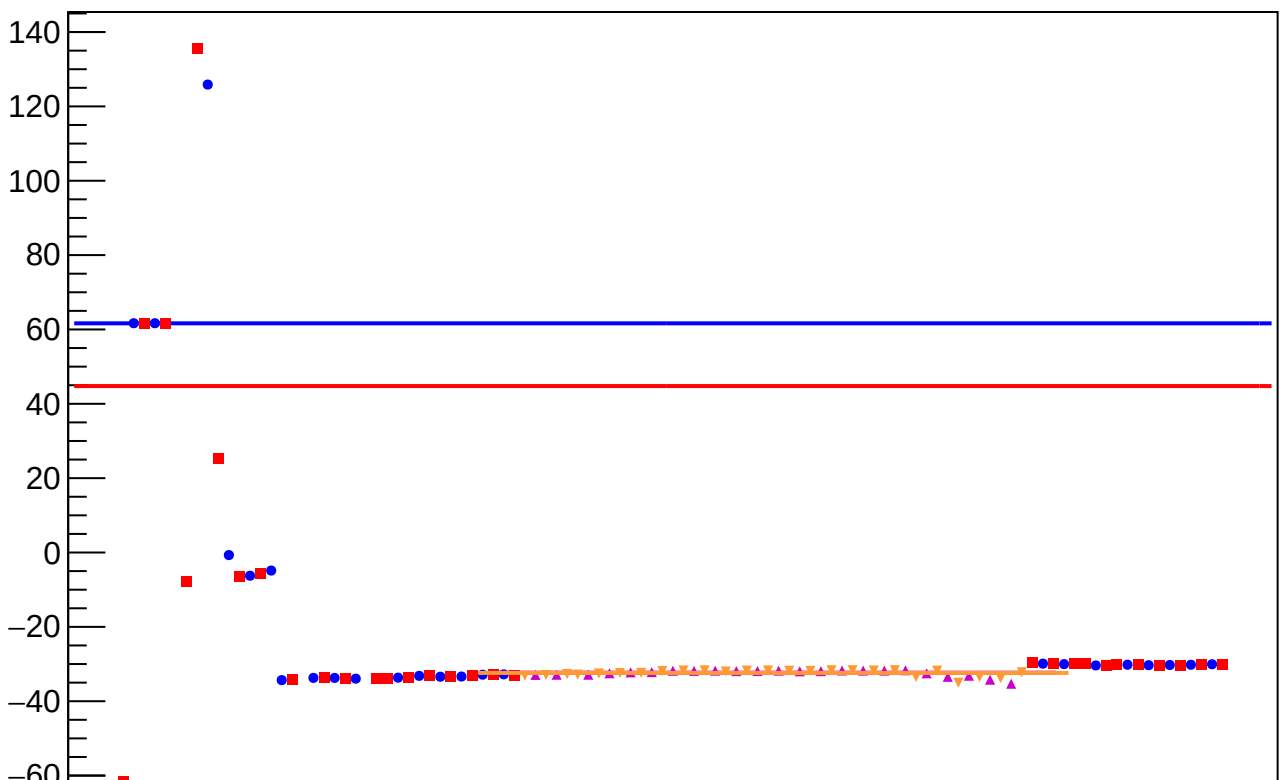
Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 52488133.7/48

All: 0.002+/-0.000 χ^2/NDF: 107404027.6/101

- sign 0.002+/-0.000 χ^2/NDF: 54915737.5/52

yield_cav4dY_mean vs Slug



Right In: 61.648+/-0.000 χ^2/NDF: 812166712329.2/23

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.773+/-0.000 χ^2/NDF: 366459591472418.4/29

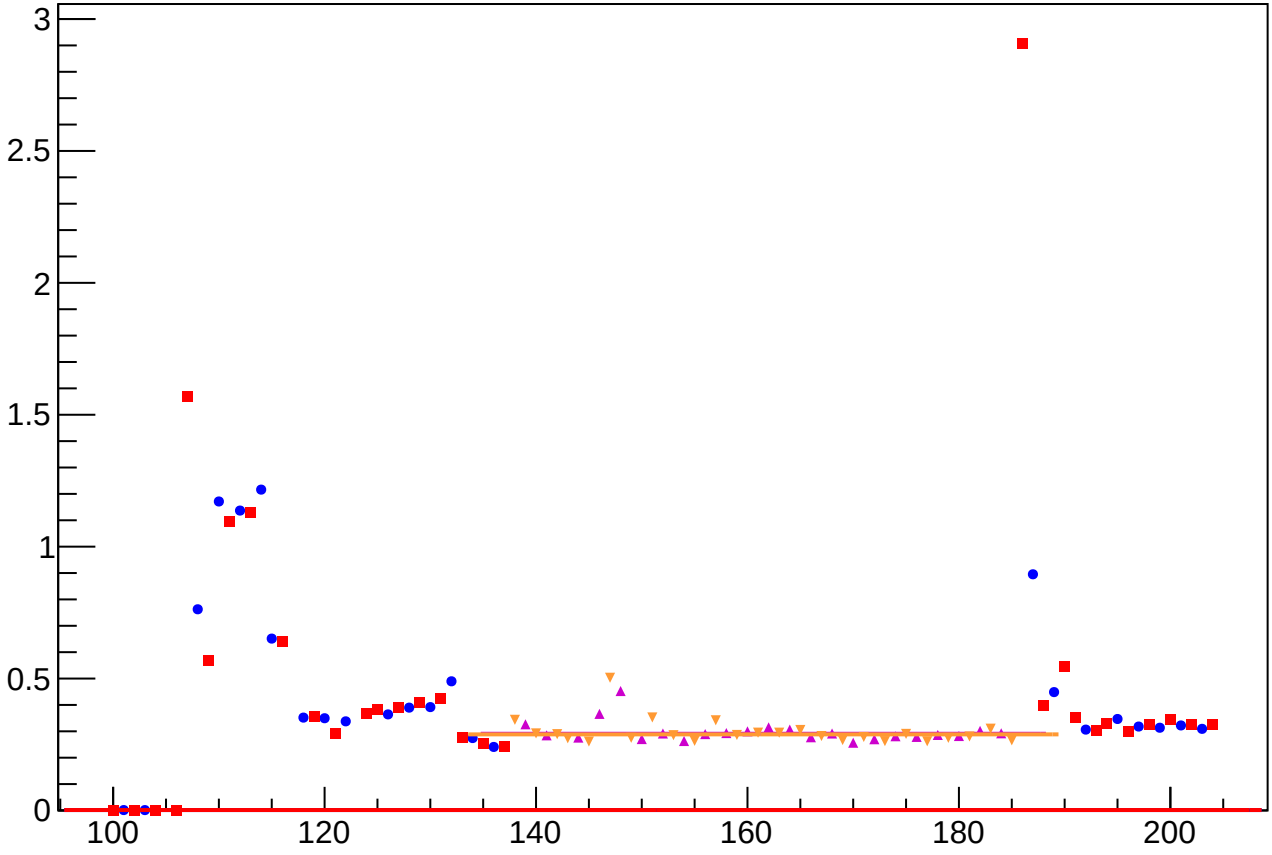
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.586+/-0.000 χ^2/NDF: 2769705688746.5/4

All: 52.625+/-0.000 χ^2/NDF: 4214680776022

- sign 44.731+/-0.000 χ^2/NDF: 367687003415359.1

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 22340458.7/23

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 25723195.5/29

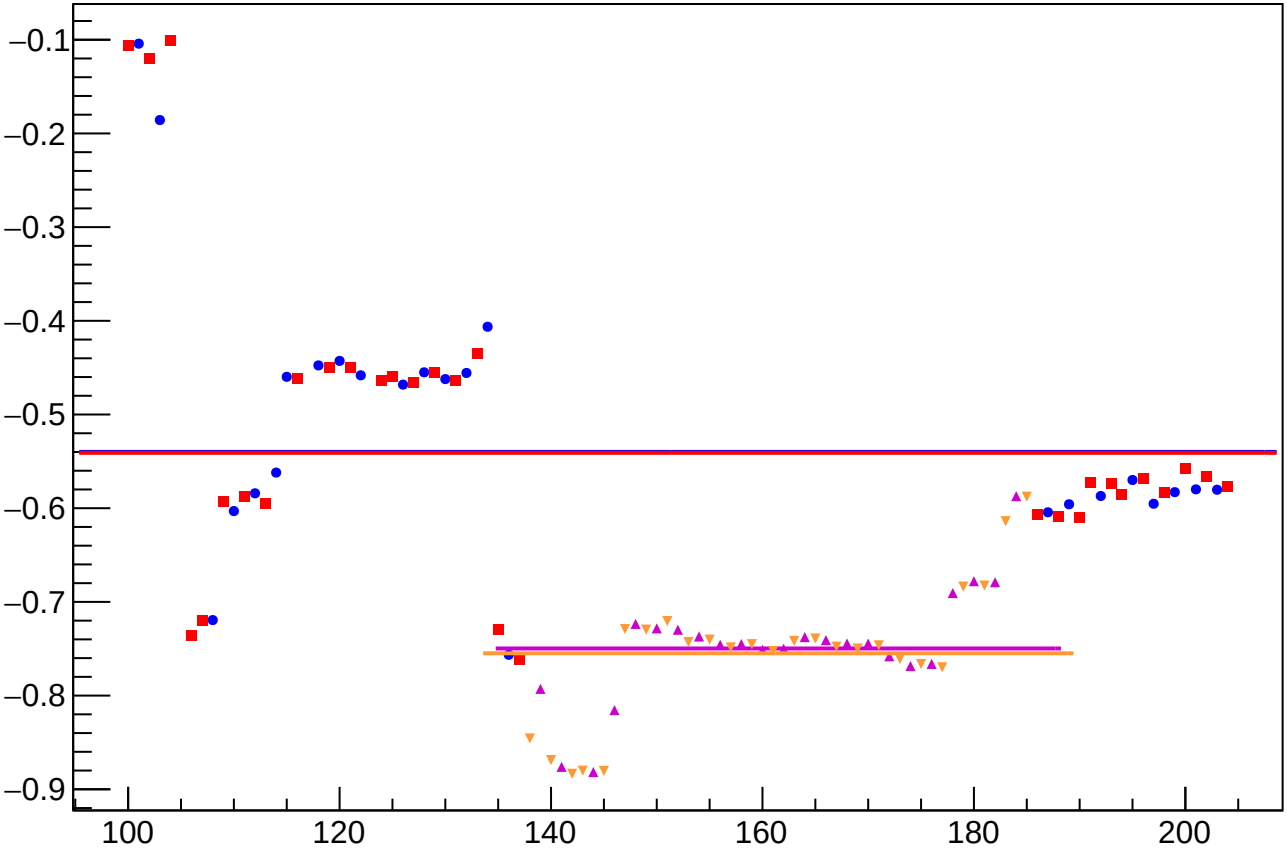
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 59290991.9/48

All: 0.002+/-0.000 χ^2/NDF: 119909128.6/101

- sign 0.002+/-0.000 χ^2/NDF: 60618115.9/52

yield_bpm4aX_mean vs Slug



Right In: -0.540+/-0.000 χ^2/NDF: 303863169.3/23

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.541+/-0.000 χ^2/NDF: 219327635.8/29

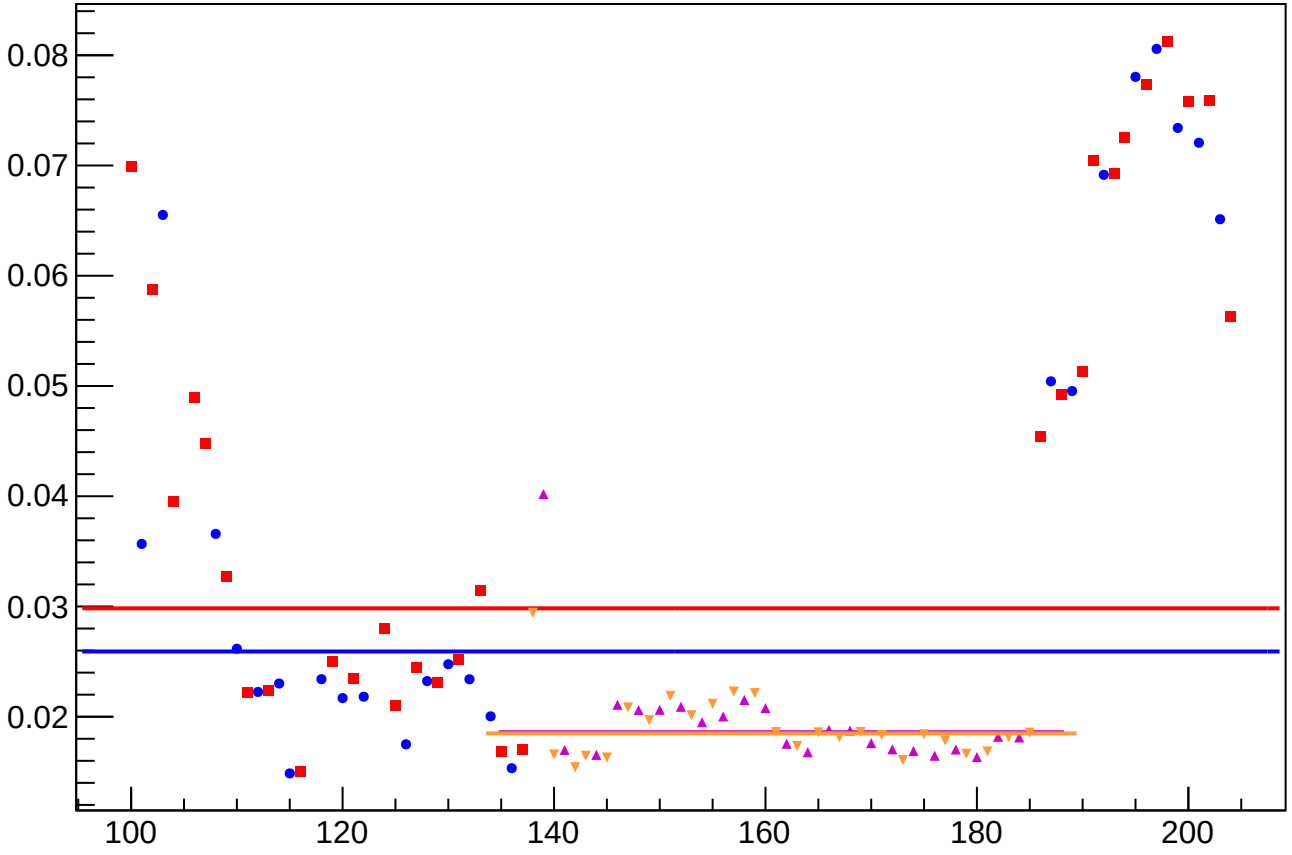
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.708+/-0.000 χ^2/NDF: 980600942.8/48

All: -0.706+/-0.000 χ^2/NDF: 1745975384.1/1

- sign -0.704+/-0.000 χ^2/NDF: 765014900.5/52

yield_bpm4aX_rms vs Slug



Right In: 0.026+/-0.000 χ^2/NDF: 6164963.4/23

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.030+/-0.000 χ^2/NDF: 6737103.5/29

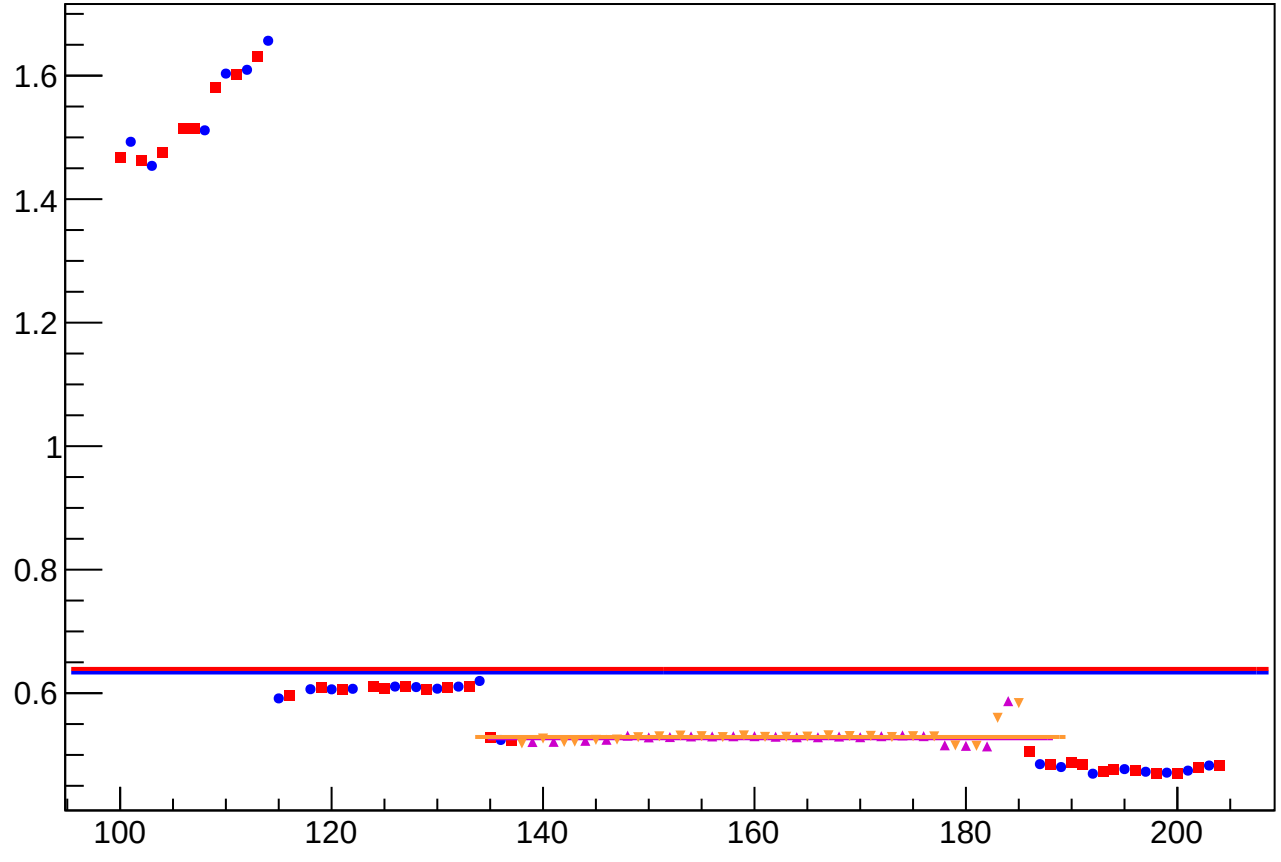
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 7766113.7/48

All: 0.021+/-0.000 χ^2/NDF: 17635541.2/101

- sign 0.021+/-0.000 χ^2/NDF: 9820400.5/52

yield_bpm4aY_mean vs Slug



Right In: 0.633+/-0.000 χ^2/NDF: 5425735470.6/23

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.639+/-0.000 χ^2/NDF: 6449901752.8/29

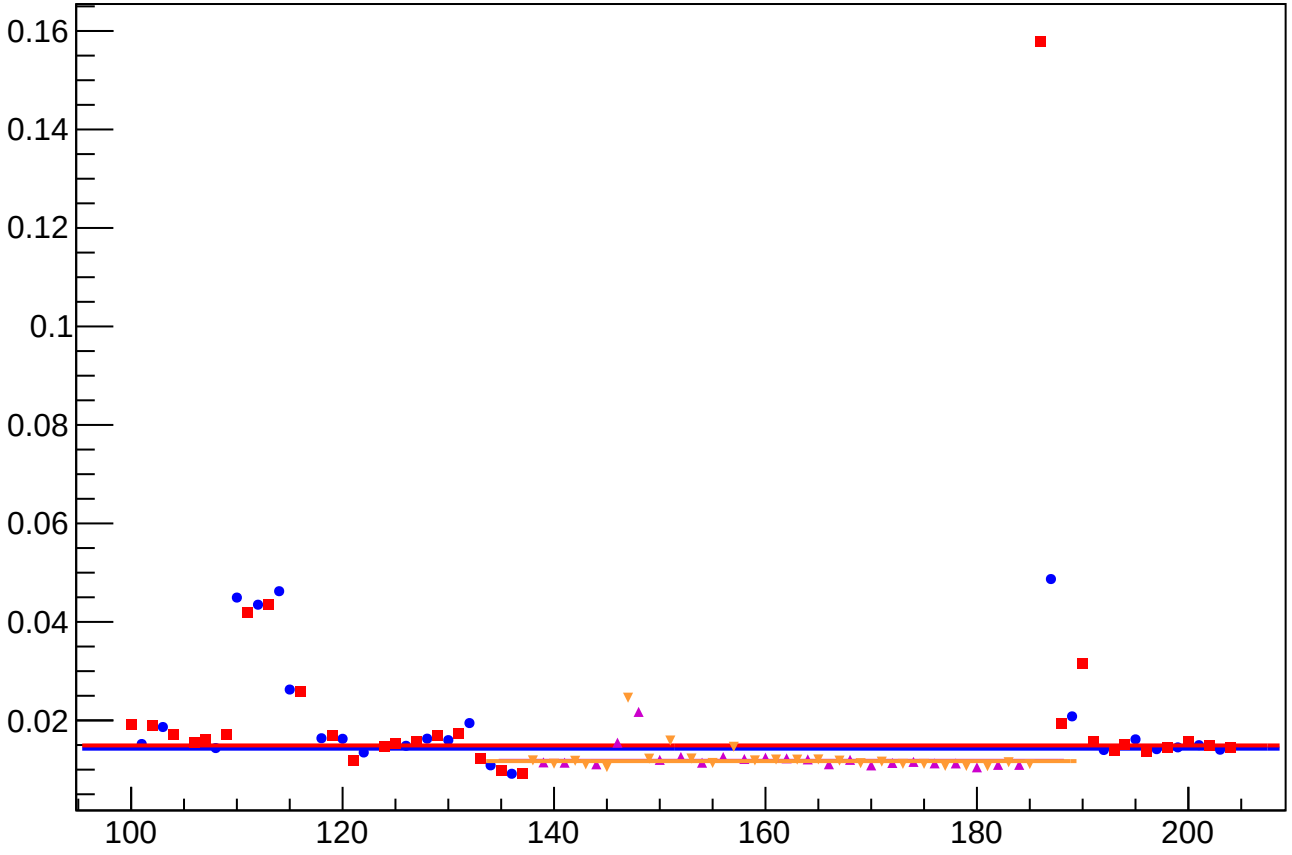
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.560+/-0.000 χ^2/NDF: 5875245684.3/48

All: 0.562+/-0.000 χ^2/NDF: 12853791100.4/1

- sign 0.563+/-0.000 χ^2/NDF: 6977495693.7/52

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1963150.9/23

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2383944.8/29

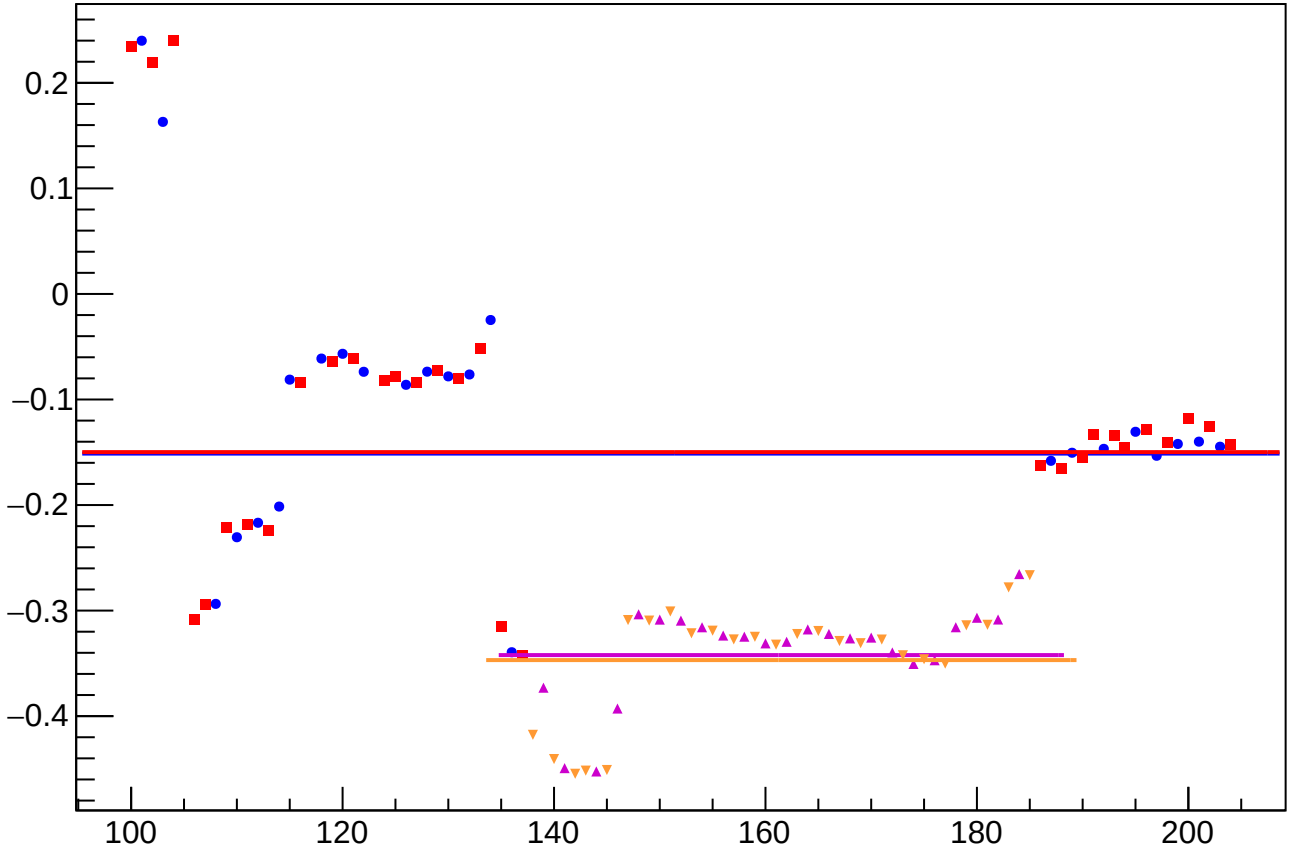
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 3170624.0/48

All: 0.013+/-0.000 χ^2/NDF: 6890125.6/101

- sign 0.013+/-0.000 χ^2/NDF: 3700345.3/52

yield_bpm4eX_mean vs Slug



Right In: -0.151+/-0.000 χ^2/NDF: 276912247.2/23

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.150+/-0.000 χ^2/NDF: 199946052.3/29

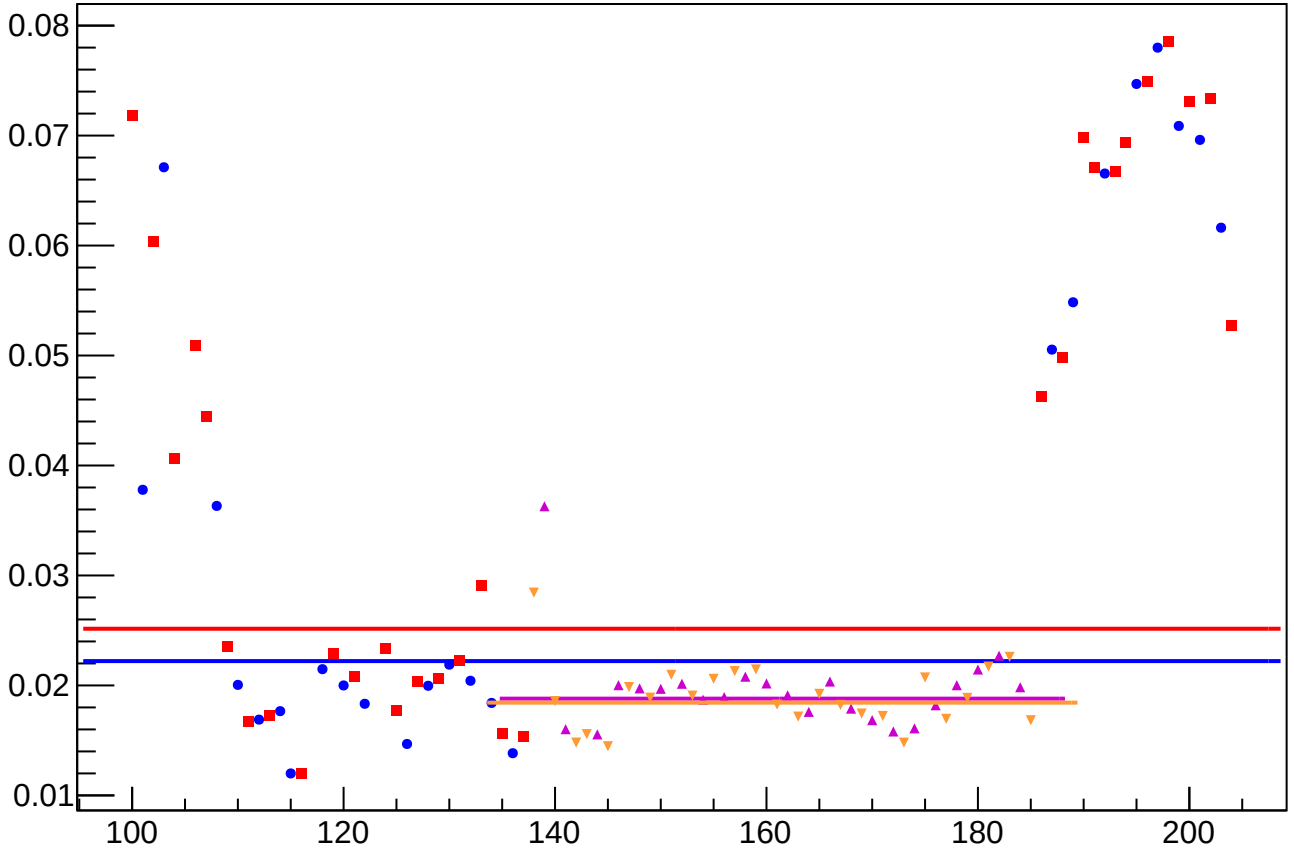
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.295+/-0.000 χ^2/NDF: 873716180.1/48

All: -0.293+/-0.000 χ^2/NDF: 1585239547.7/1

- sign -0.290+/-0.000 χ^2/NDF: 710793198.3/52

yield_bpm4eX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 7022950.4/23

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.025+/-0.000 χ^2/NDF: 8117455.6/29

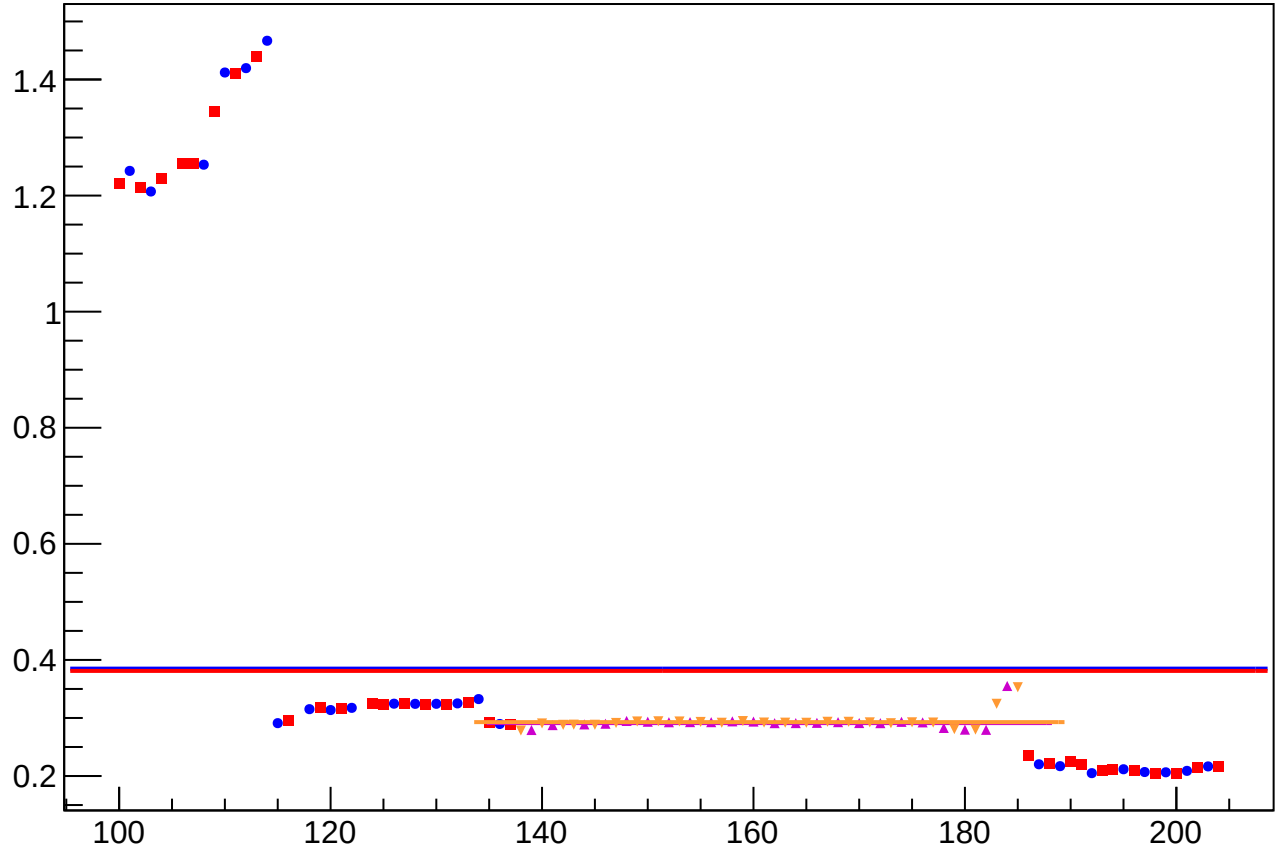
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.019+/-0.000 χ^2/NDF: 8013953.4/48

All: 0.020+/-0.000 χ^2/NDF: 17844218.9/101

- sign 0.021+/-0.000 χ^2/NDF: 9759937.7/52

yield_bpm4eY_mean vs Slug



Right In: 0.385+/-0.000 χ^2/NDF: 8044756785.8/23

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.381+/-0.000 χ^2/NDF: 9125586996.4/29

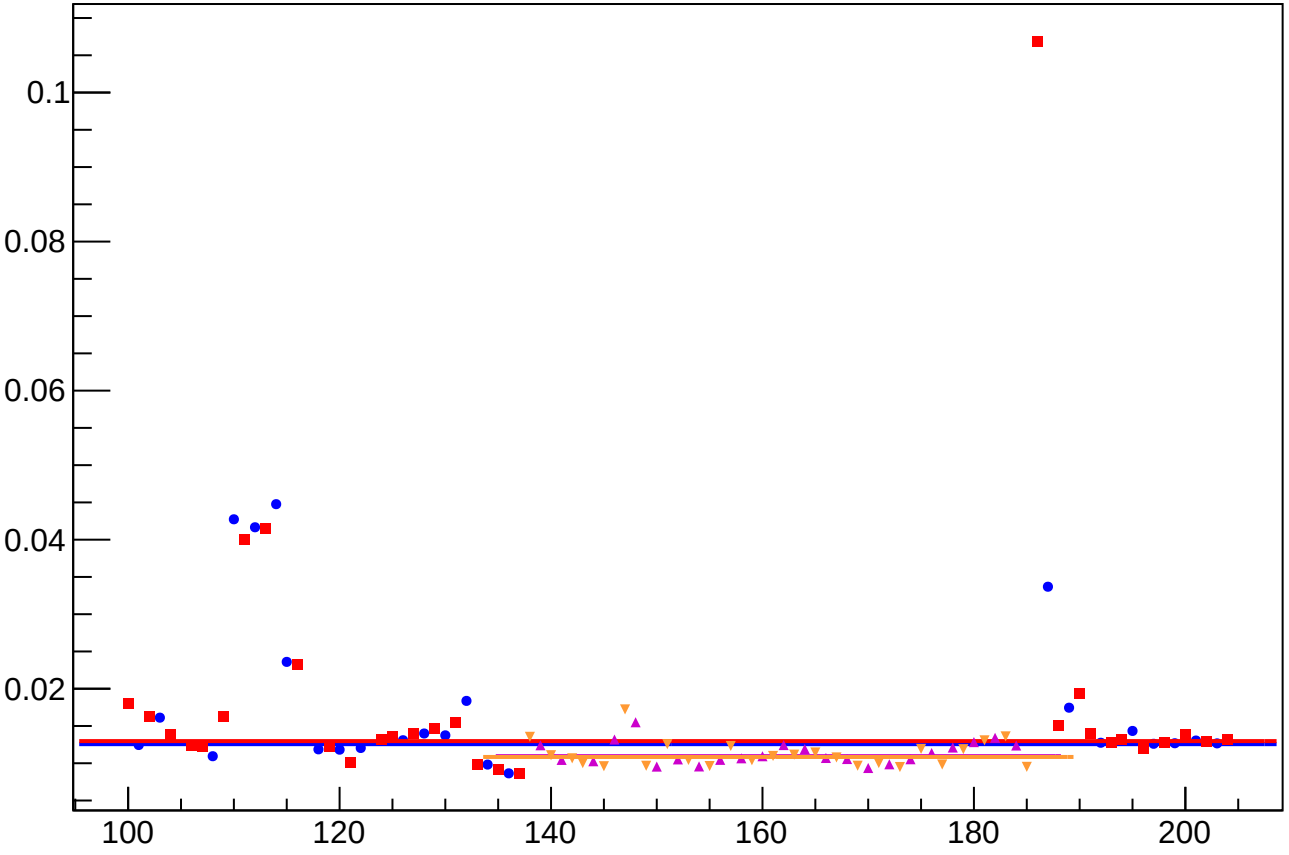
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.322+/-0.000 χ^2/NDF: 8484817773.8/48

All: 0.323+/-0.000 χ^2/NDF: 18035950219.0/1

- sign 0.323+/-0.000 χ^2/NDF: 9551059191.0/52

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1765581.8/23

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2165446.2/29

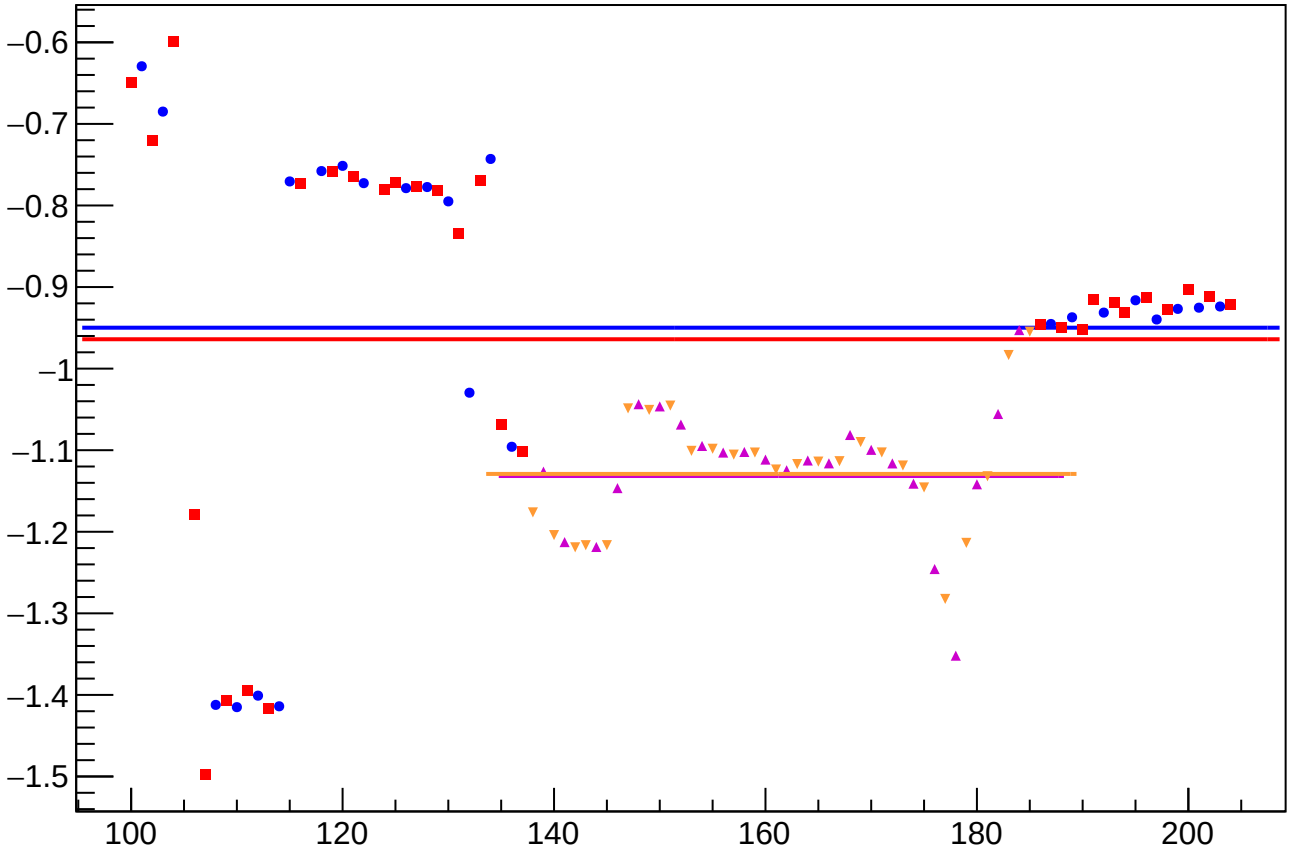
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2713391.1/48

All: 0.012+/-0.000 χ^2/NDF: 5826287.3/101

- sign 0.012+/-0.000 χ^2/NDF: 3095278.7/52

yield_bpm4acX_mean vs Slug



Right In: -0.950+/-0.000 χ^2/NDF: 700137899.1/23

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.964+/-0.000 χ^2/NDF: 717851072.1/29

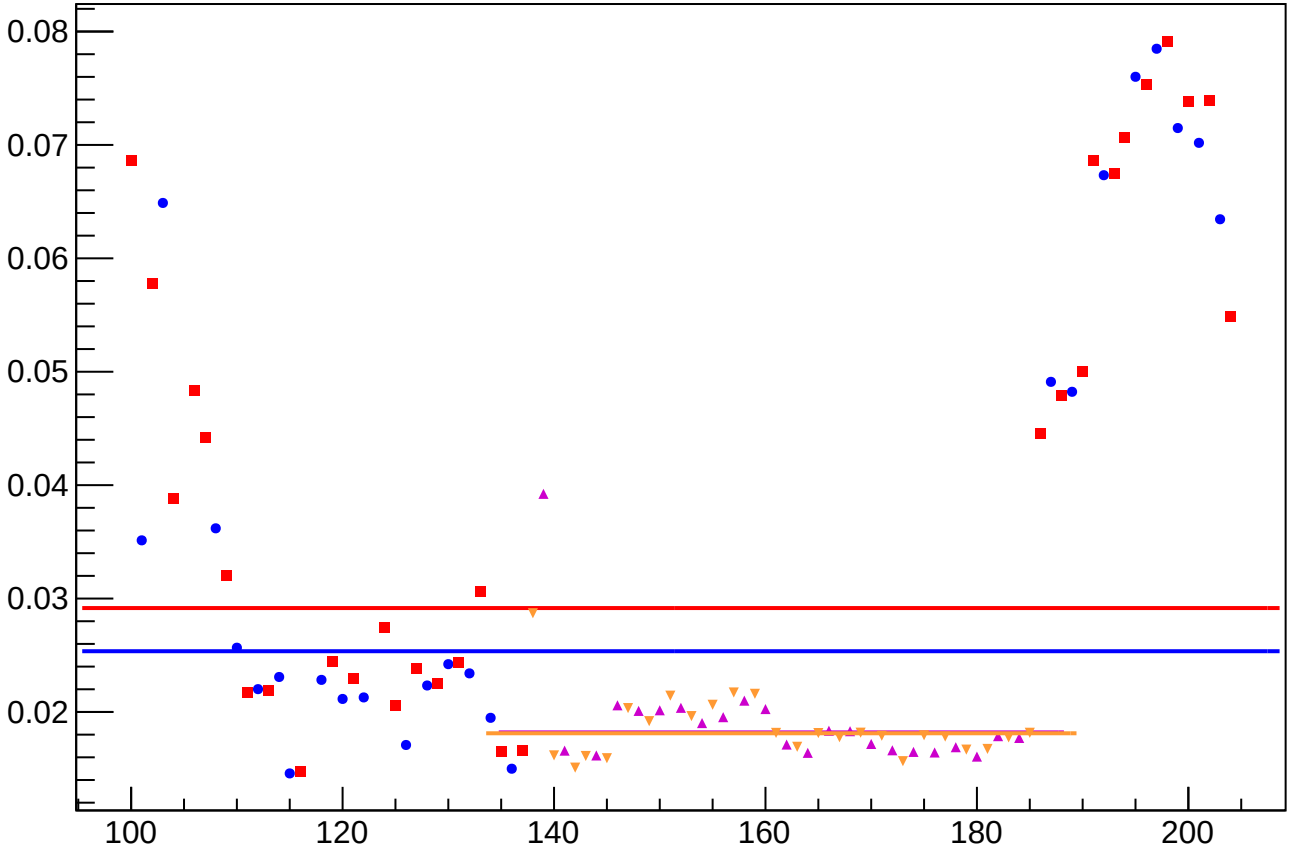
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.090+/-0.000 χ^2/NDF: 1275327420.5/48

All: -1.092+/-0.000 χ^2/NDF: 2526862619.0/1

- sign -1.095+/-0.000 χ^2/NDF: 1250676218.8/52

yield_bpm4acX_rms vs Slug



Right In: 0.025+/-0.000 χ^2/NDF: 6154919.9/23

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.029+/-0.000 χ^2/NDF: 6718004.9/29

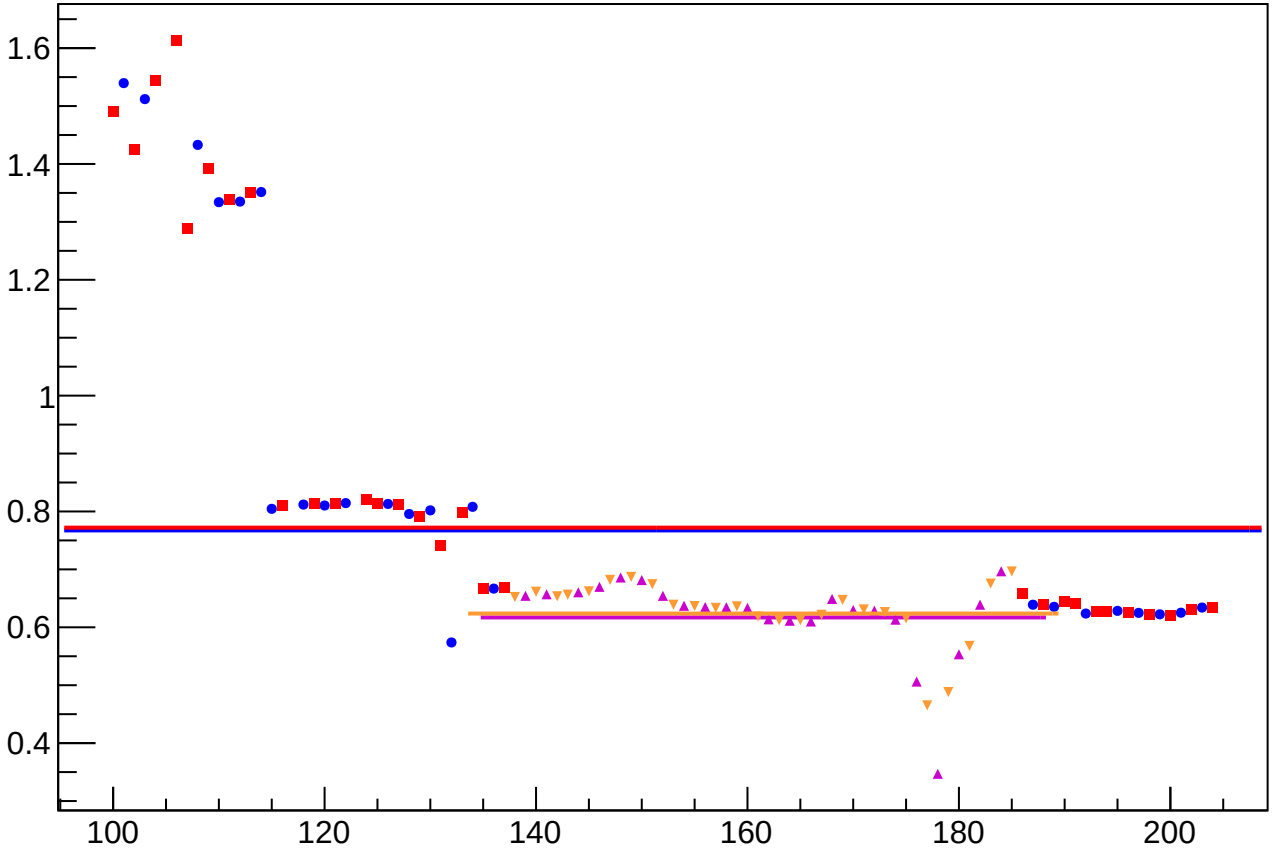
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 7727337.7/48

All: 0.020+/-0.000 χ^2/NDF: 17546908.5/101

- sign 0.021+/-0.000 χ^2/NDF: 9773692.1/52

yield_bpm4acY_mean vs Slug



Right In: 0.767+/-0.000 χ^2/NDF: 3689064617.3/23

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.772+/-0.000 χ^2/NDF: 4100827660.3/29

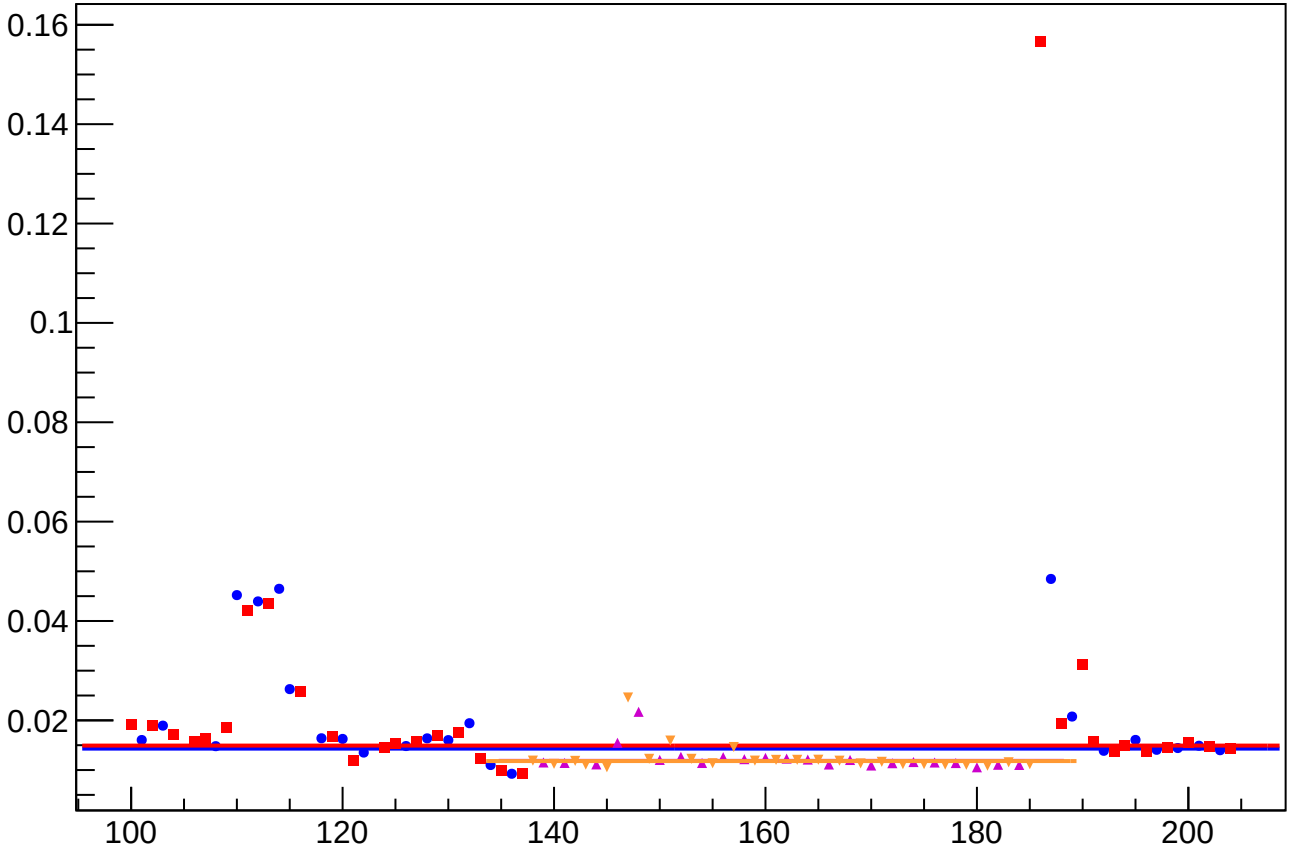
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.666+/-0.000 χ^2/NDF: 4900047414.9/48

All: 0.667+/-0.000 χ^2/NDF: 10622477059.0/1

- sign 0.667+/-0.000 χ^2/NDF: 5722326905.5/52

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1947693.1/23

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2389000.3/29

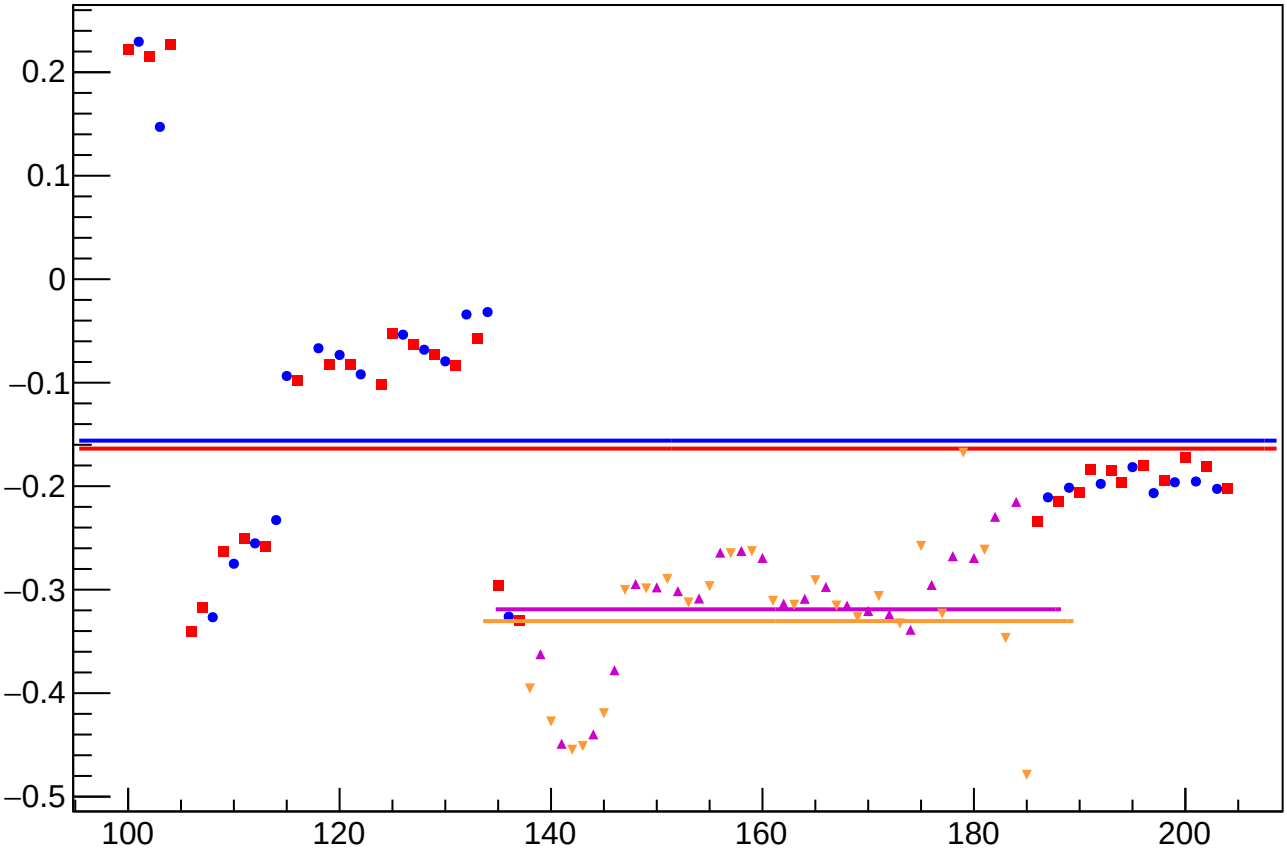
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.013+/-0.000 χ^2/NDF: 3115975.1/48

All: 0.013+/-0.000 χ^2/NDF: 6797929.3/101

- sign 0.013+/-0.000 χ^2/NDF: 3665959.4/52

yield_bpm4ecX_mean vs Slug



Right In: -0.156+/-0.000 χ^2/NDF: 276780668.0/23

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.164+/-0.000 χ^2/NDF: 198817859.2/29

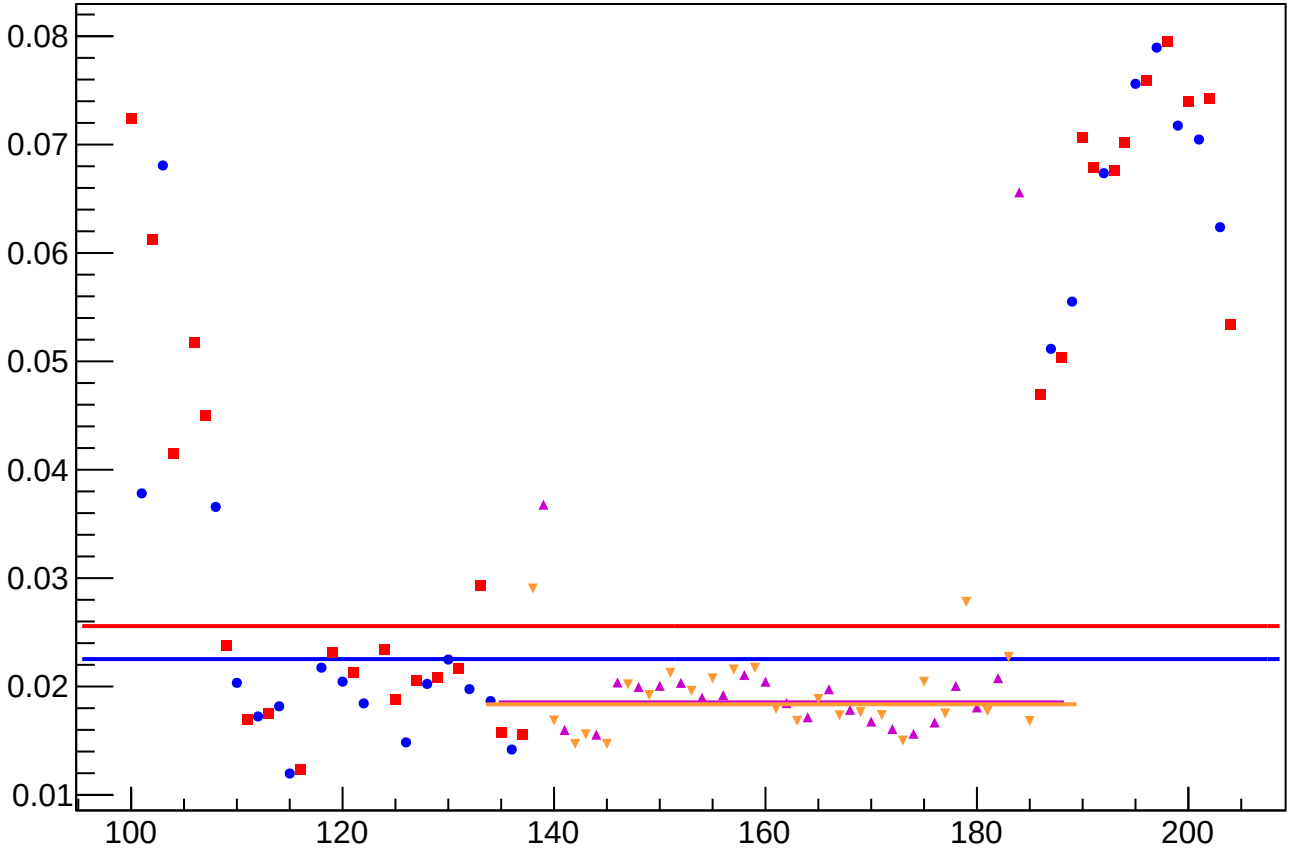
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.285+/-0.000 χ^2/NDF: 824006881.6/48

All: -0.281+/-0.000 χ^2/NDF: 1423767369.2/1

- sign -0.278+/-0.000 χ^2/NDF: 598508774.2/52

yield_bpm4ecX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF: 6989728.7/23

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.026+/-0.000 χ^2/NDF: 8070810.8/29

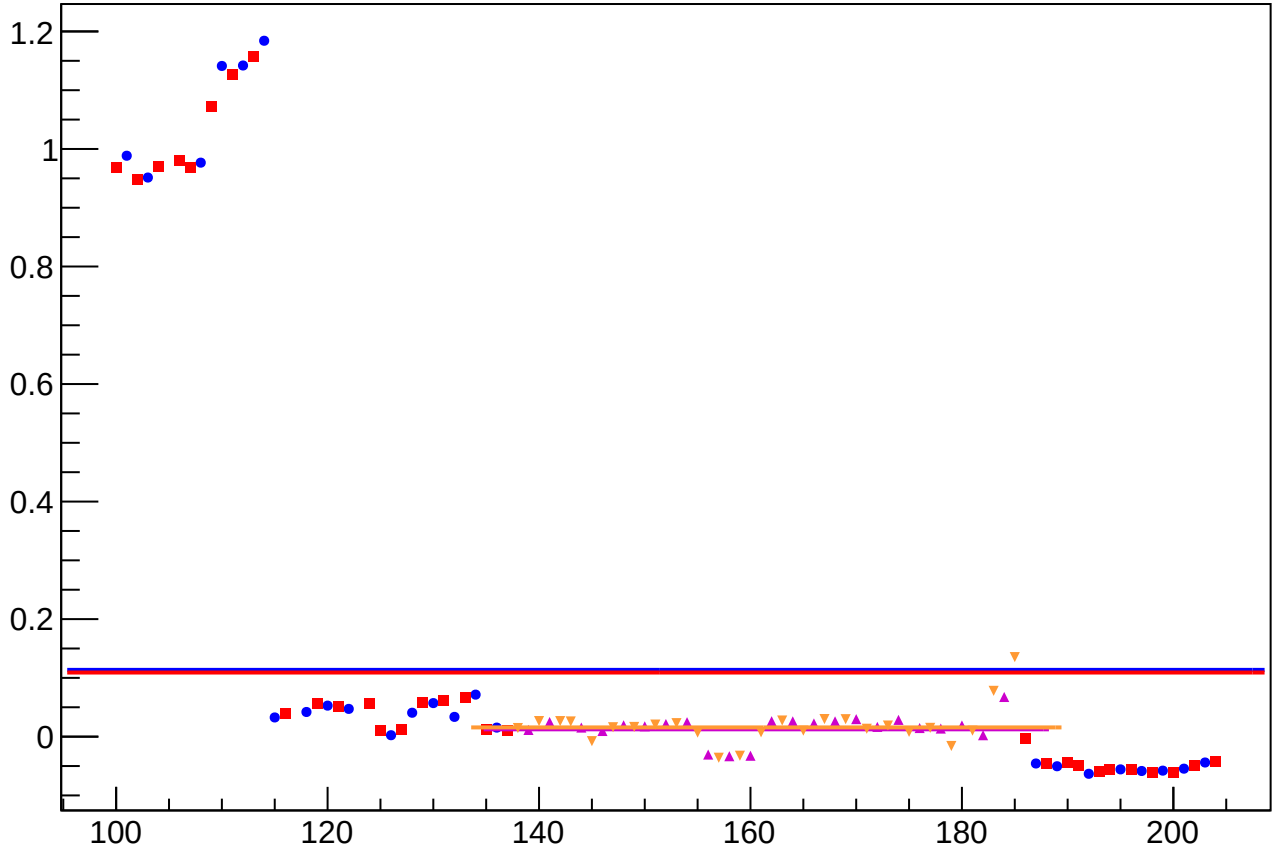
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 8144662.2/48

All: 0.020+/-0.000 χ^2/NDF: 18306509.0/101

- sign 0.020+/-0.000 χ^2/NDF: 10109714.5/52

yield_bpm4ecY_mean vs Slug



Right In: 0.114+/-0.000 χ^2/NDF: 8120713804.8/23

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.109+/-0.000 χ^2/NDF: 9007742423.3/29

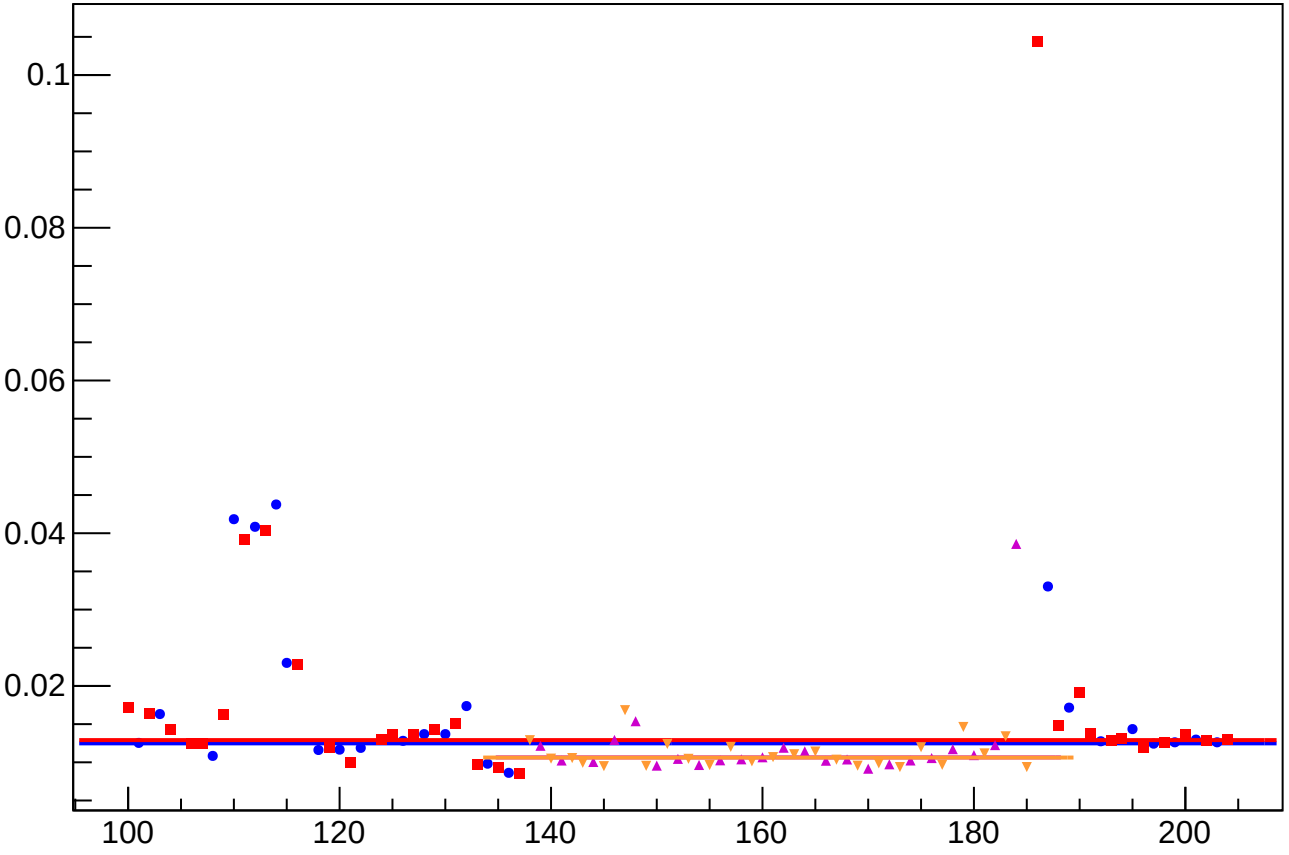
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.047+/-0.000 χ^2/NDF: 8709066726.7/48

All: 0.047+/-0.000 χ^2/NDF: 18264993361.5/1

- sign 0.046+/-0.000 χ^2/NDF: 9555859428.6/52

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1731423.4/23

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2109616.5/29

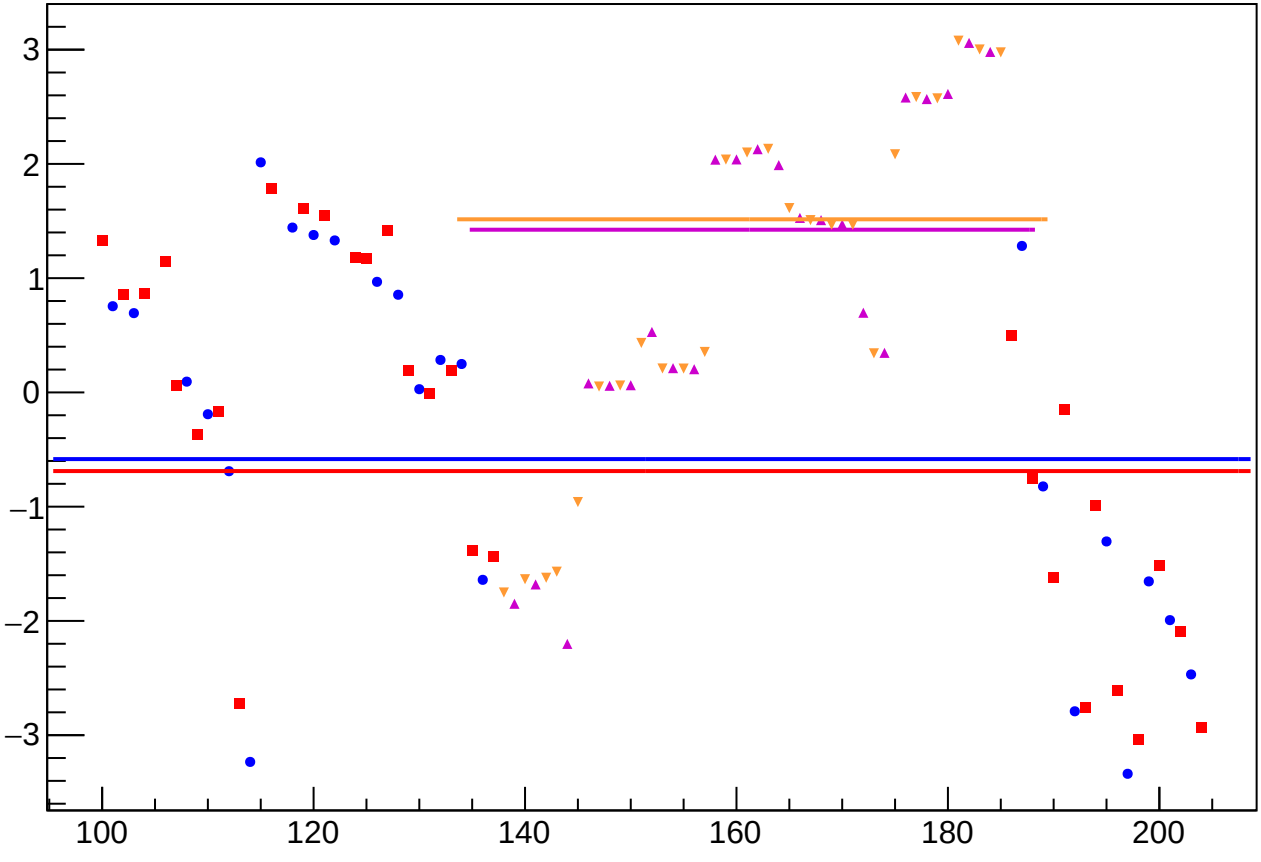
Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 2702274.0/48

All: 0.011+/-0.000 χ^2/NDF: 5932853.3/101

- sign 0.011+/-0.000 χ^2/NDF: 3219650.4/52

yield_bpm1X_mean vs Slug



Right In: -0.584+/-0.000 χ^2/NDF: 7207792005.0/23

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.688+/-0.000 χ^2/NDF: 8400191388.2/29

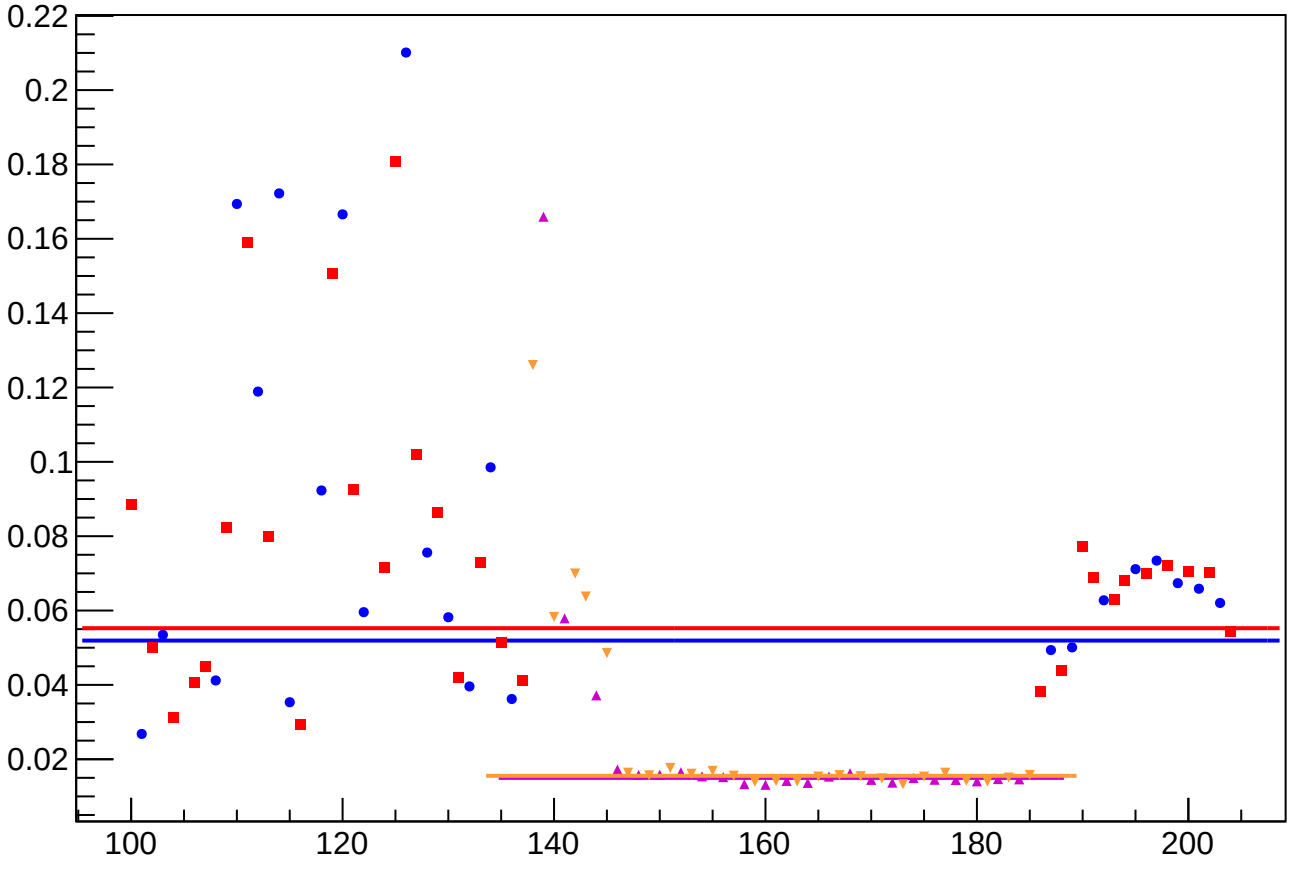
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.405+/-0.000 χ^2/NDF: 88970264218.0/48

All: 1.354+/-0.000 χ^2/NDF: 181591283489.1

- sign 1.303+/-0.000 χ^2/NDF: 92283816141.7/52

yield_bpm1X_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 3550755.3/23

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

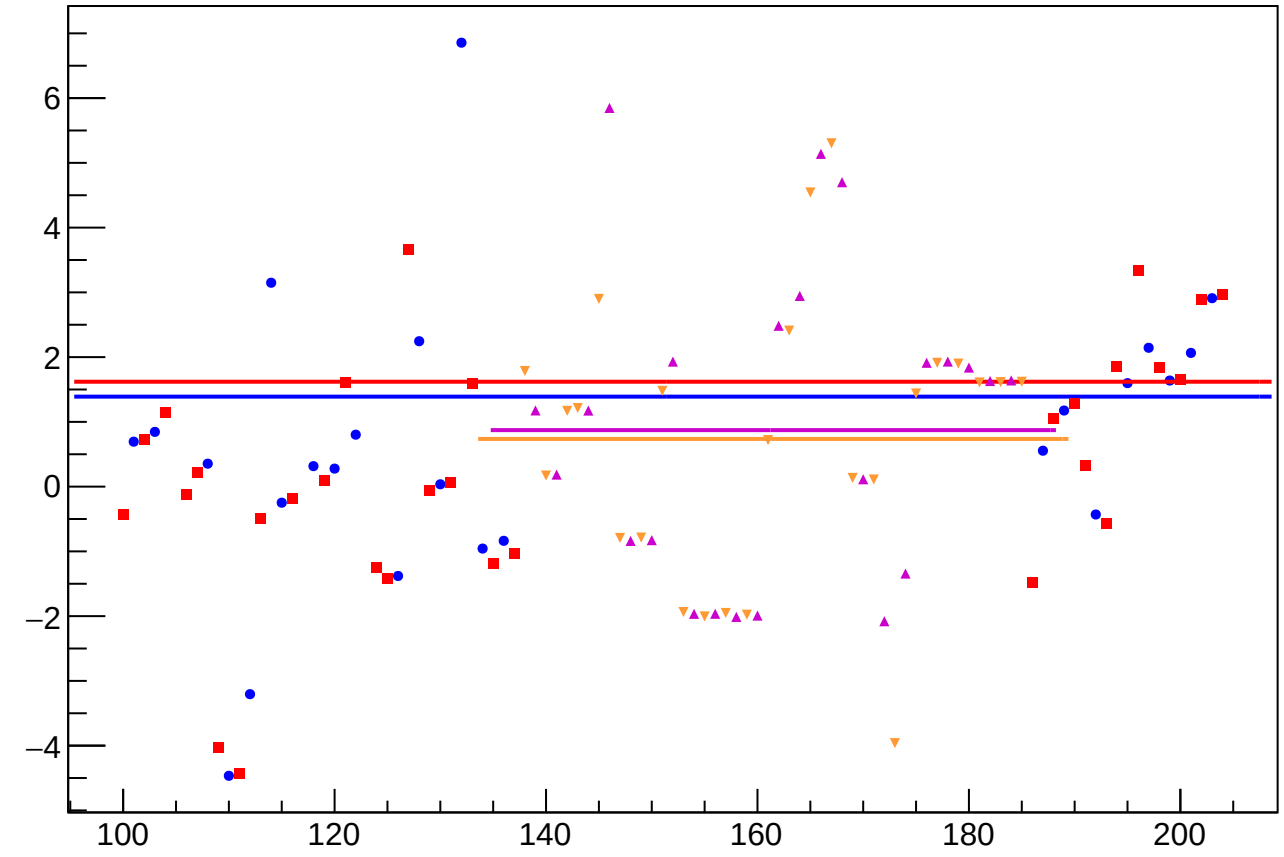
Right Out: 0.055+/-0.000 χ^2/NDF: 3141374.5/29

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

+ sign 0.017+/-0.000 χ^2/NDF: 14929933.5/48

All: 0.017+/-0.000 χ^2/NDF: 31767836.9/101

- sign 0.017+/-0.000 χ^2/NDF: 16835965.2/52



Right In: 1.390+/-0.000 χ^2/NDF: 27940677060.4/23

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.620+/-0.000 χ^2/NDF: 35819622376.1/29

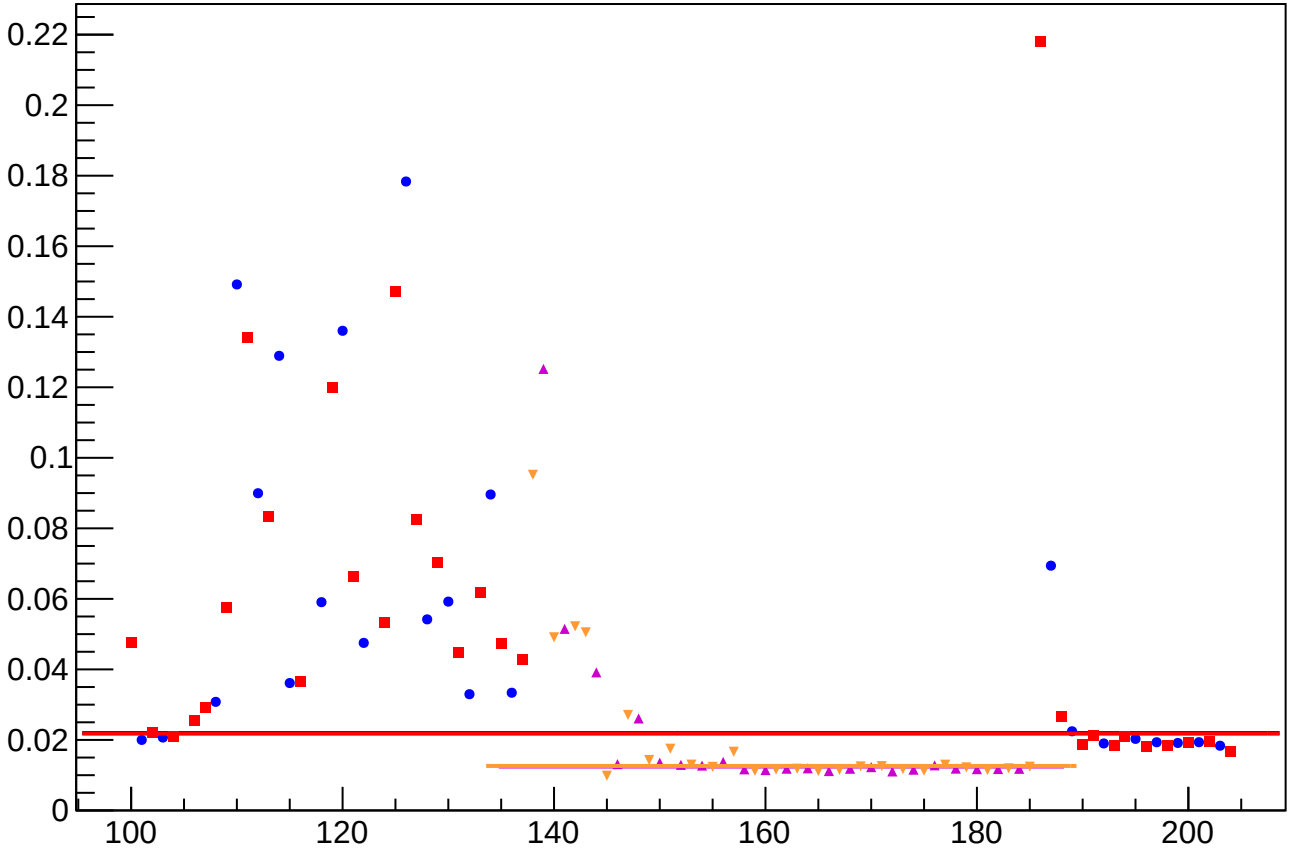
Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

+ sign 0.834+/-0.000 χ^2/NDF: 570219482847.5/48

All: 0.921+/-0.000 χ^2/NDF: 1237712223657.

- sign 1.005+/-0.000 χ^2/NDF: 665768707551.1/52

yield_bpm1Y_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 4025091.4/23

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.022+/-0.000 χ^2/NDF: 5223186.1/29

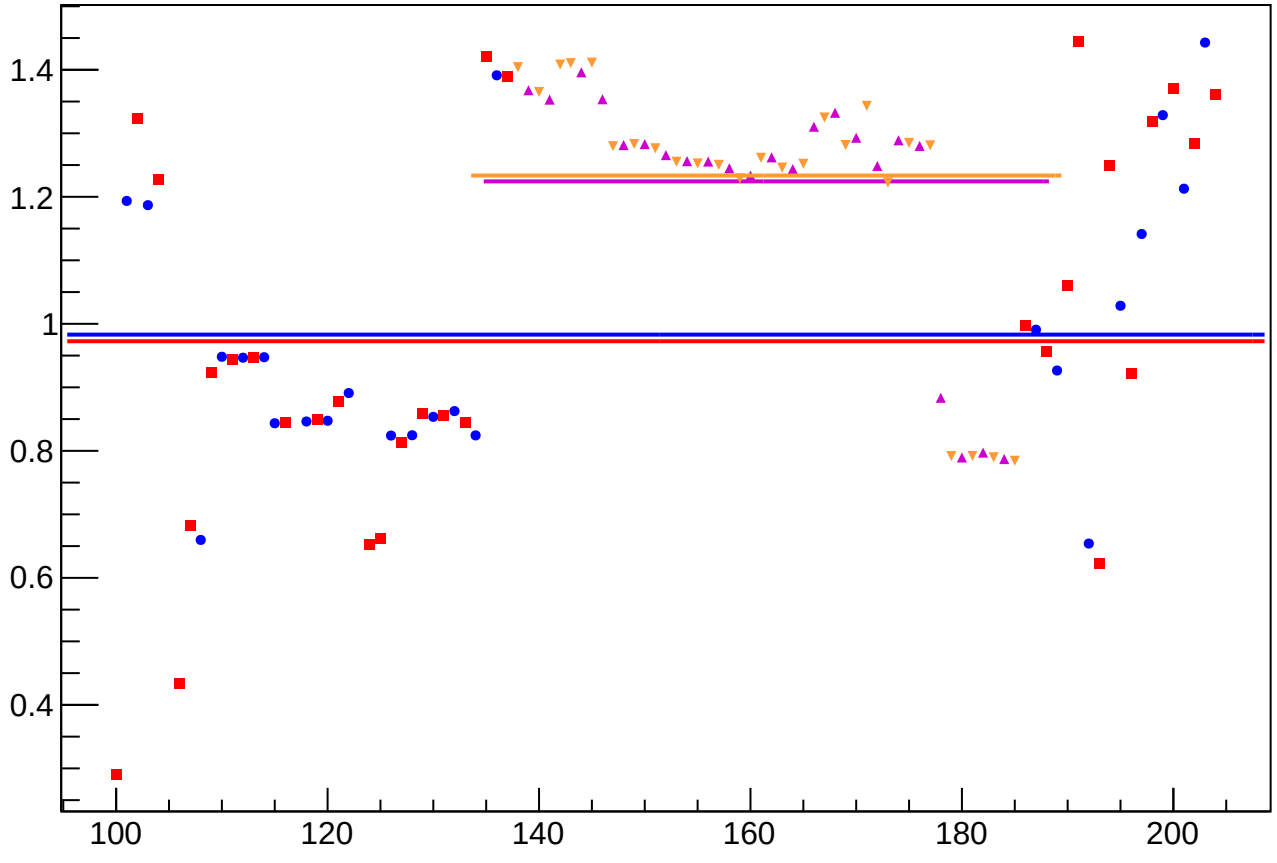
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 9800813.1/48

All: 0.014+/-0.000 χ^2/NDF: 20829971.1/101

- sign 0.014+/-0.000 χ^2/NDF: 11028207.2/52

yield_bpm11X_mean vs Slug



Right In: 0.983+/-0.000 χ^2/NDF: 1848504615.2/23

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.973+/-0.000 χ^2/NDF: 2269802028.2/29

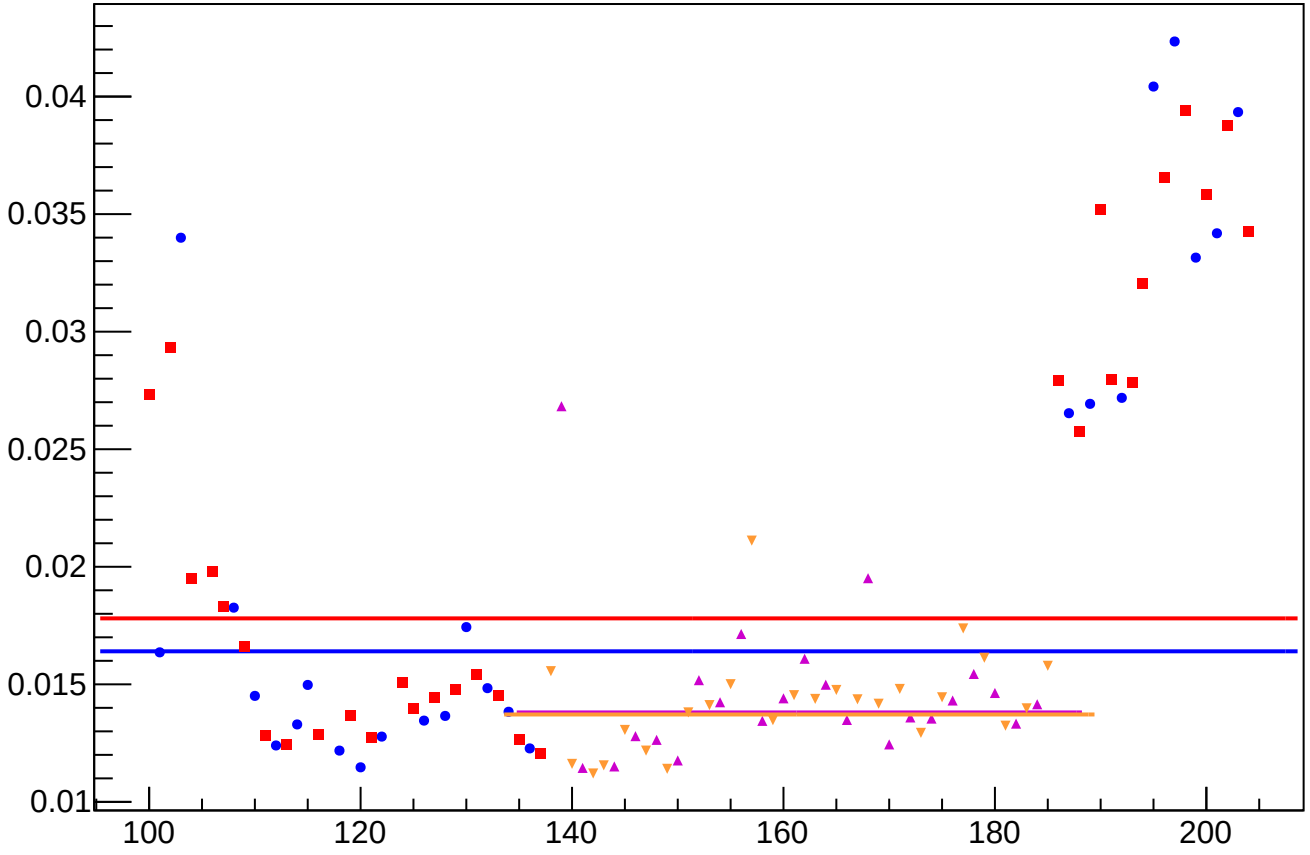
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.160+/-0.000 χ^2/NDF: 6552113432.4/48

All: 1.154+/-0.000 χ^2/NDF: 13143451630.0/1

- sign 1.147+/-0.000 χ^2/NDF: 6580771315.1/52

yield_bpm11X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 4027182.7/23

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.018+/-0.000 χ^2/NDF: 4375826.4/29

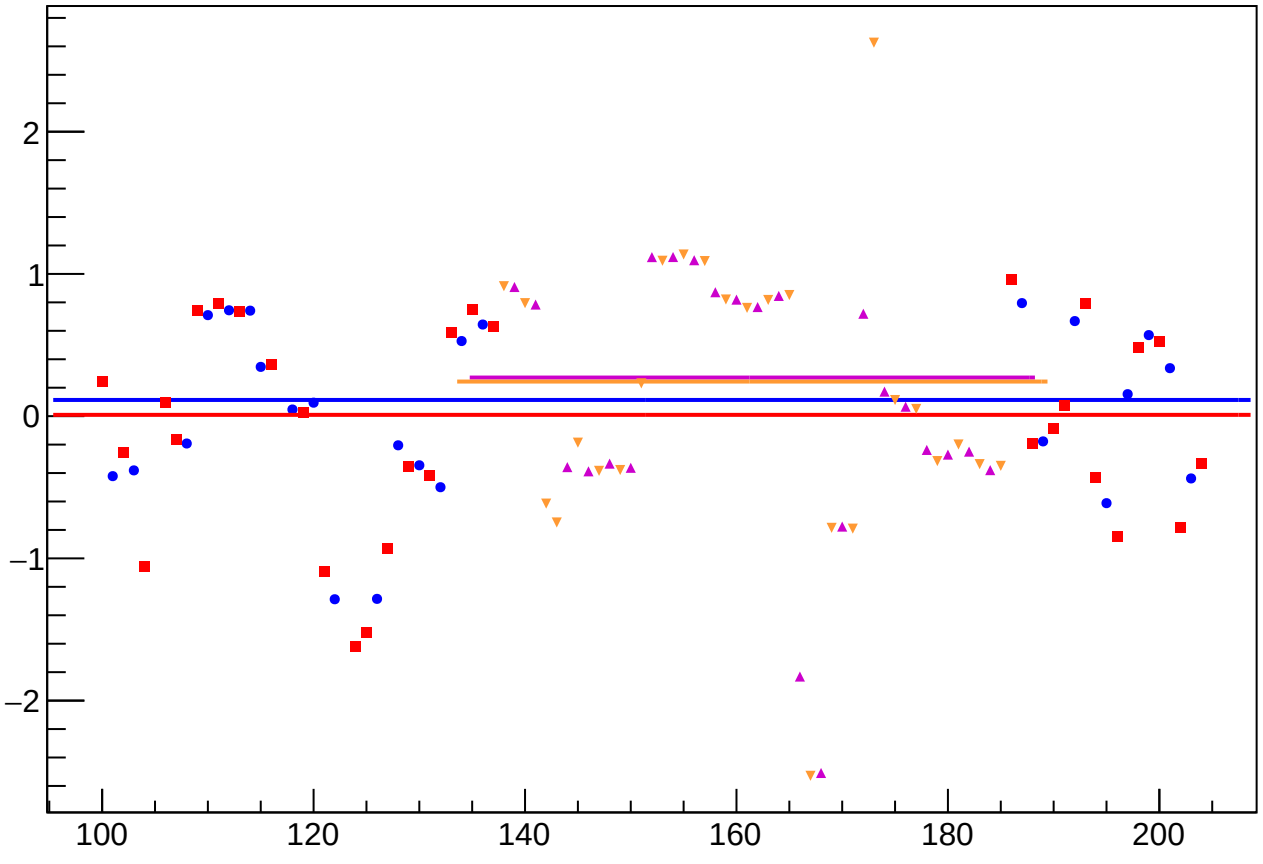
Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.015+/-0.000 χ^2/NDF: 4959775.8/48

All: 0.015+/-0.000 χ^2/NDF: 11077628.2/101

- sign 0.015+/-0.000 χ^2/NDF: 6083144.0/52

yield_bpm11Y_mean vs Slug



Right In: 0.114+/-0.000 χ^2/NDF: 20443922315.7/23

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.009+/-0.000 χ^2/NDF: 34063518107.2/29

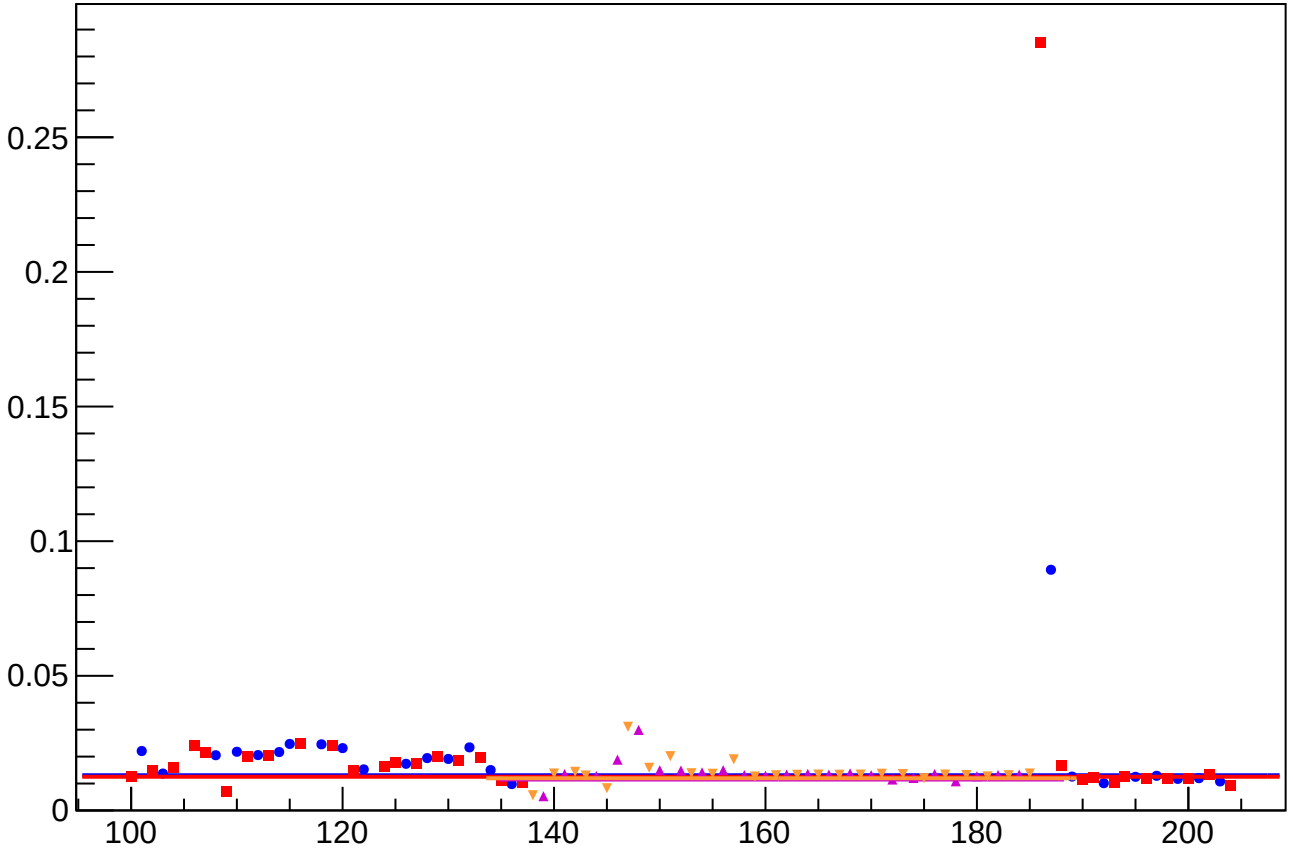
Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

+ sign 0.198+/-0.000 χ^2/NDF: 126728703242.6/48

All: 0.181+/-0.000 χ^2/NDF: 254650301172.6

- sign 0.166+/-0.000 χ^2/NDF: 127825976571.0/52

yield_bpm11Y_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2107045.6/23

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

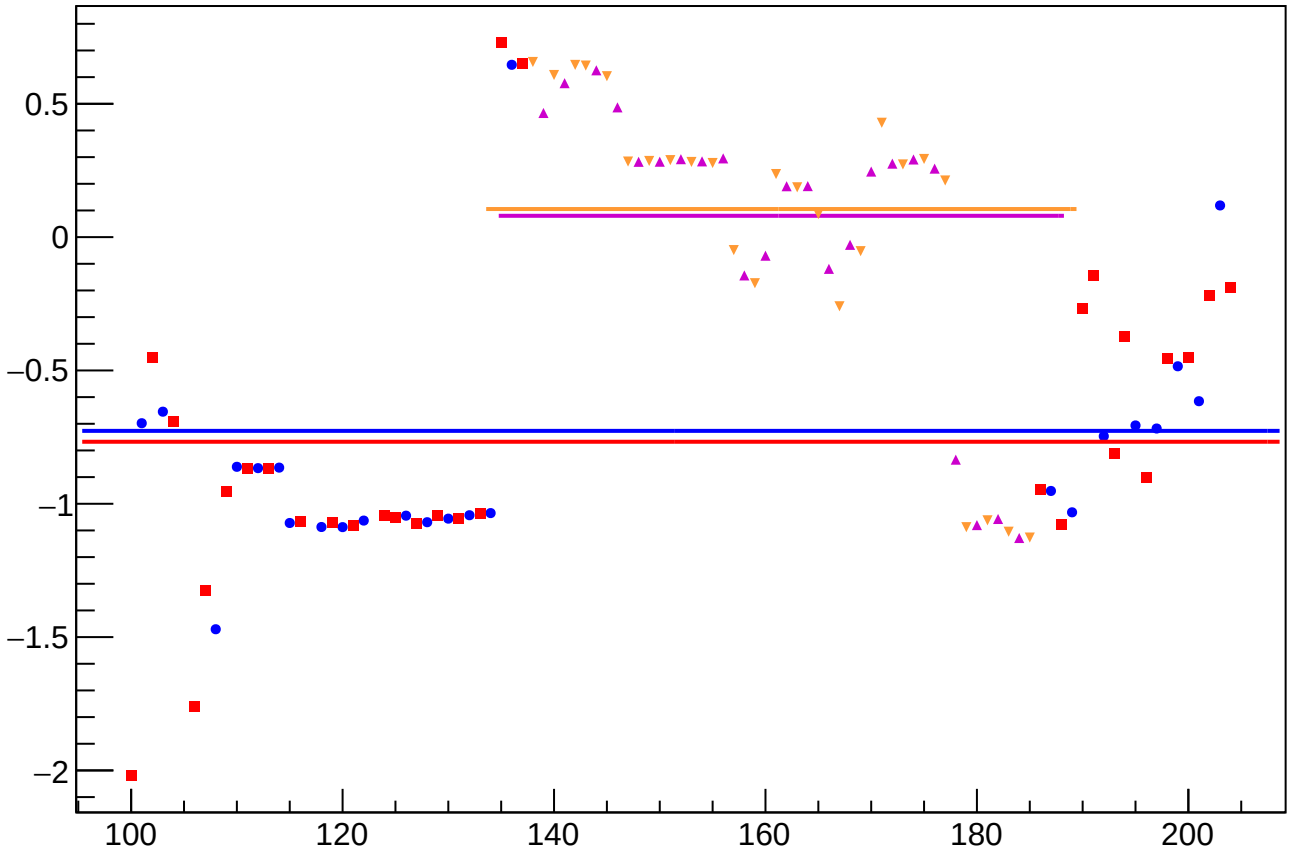
Right Out: 0.013+/-0.000 χ^2/NDF: 2862027.4/29

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 5478124.7/48

All: 0.012+/-0.000 χ^2/NDF: 12149594.0/101

- sign 0.012+/-0.000 χ^2/NDF: 6634627.0/52



Right In: -0.727+/-0.000 χ^2/NDF: 2162116014.8/23

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.767+/-0.000 χ^2/NDF: 2069092521.3/29

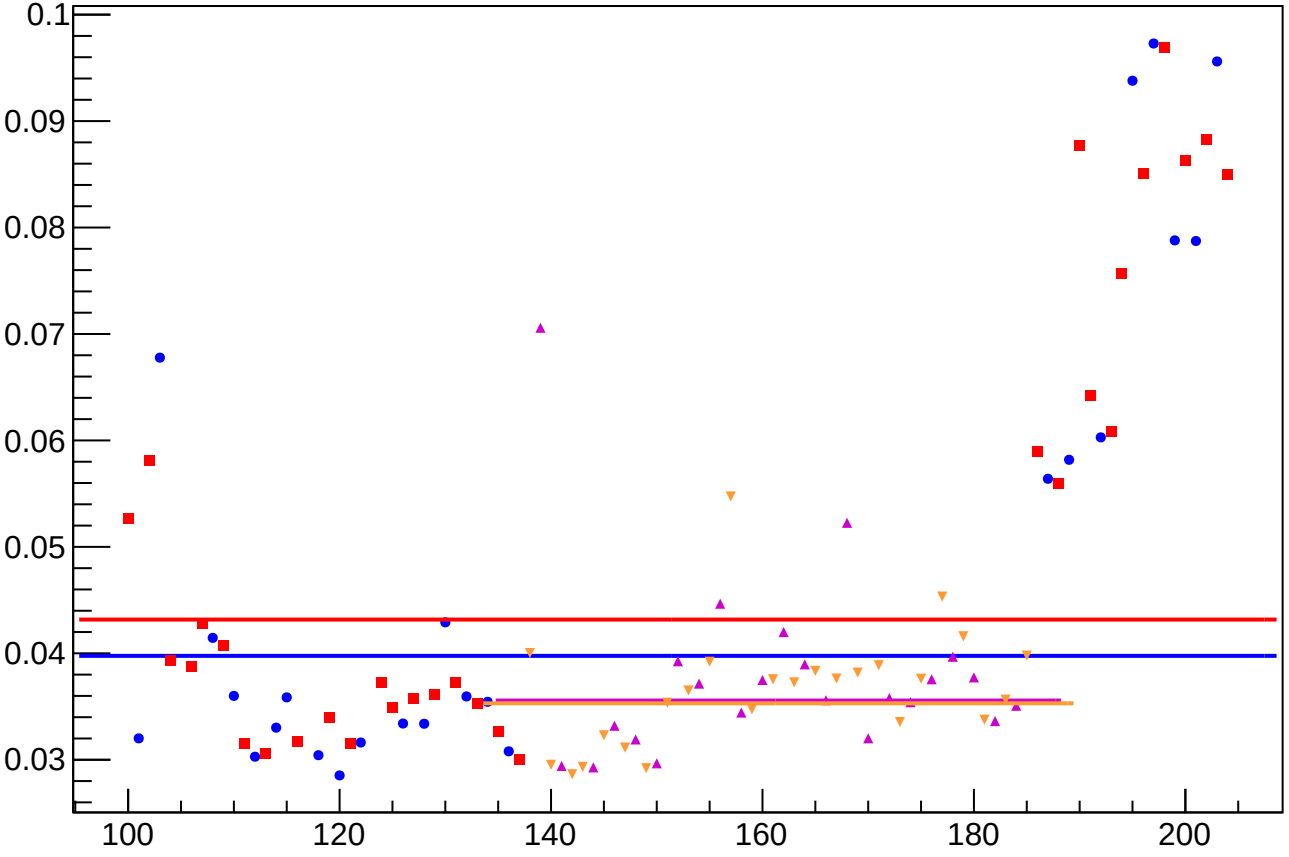
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.166+/-0.000 χ^2/NDF: 8998394551.8/48

All: -0.187+/-0.000 χ^2/NDF: 17459678966.5/

- sign -0.208+/-0.000 χ^2/NDF: 8444112689.7/52

yield_bpm12X_rms vs Slug



Right In: 0.040+/-0.000 χ^2/NDF: 3600944.1/23

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

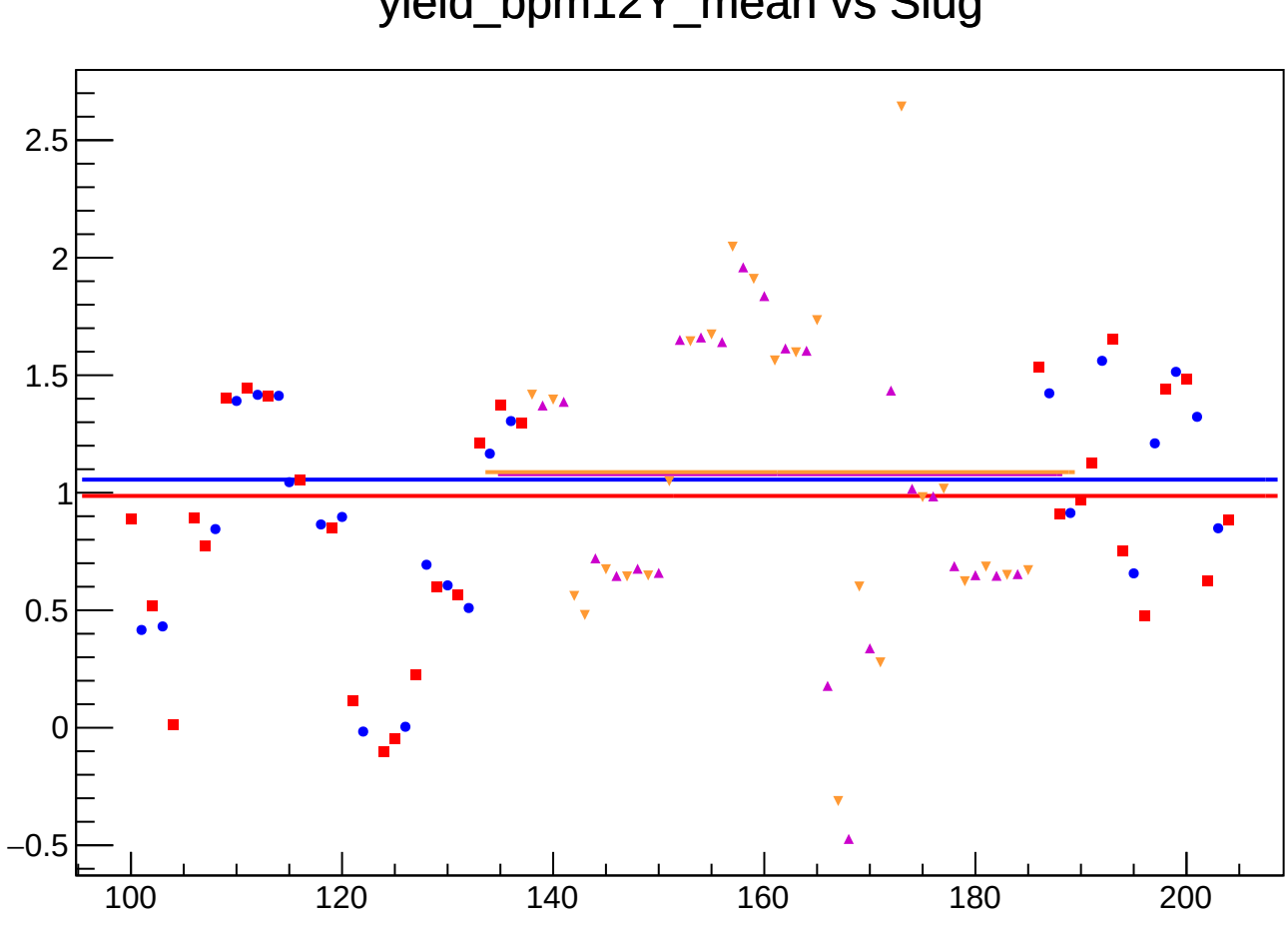
Right Out: 0.043+/-0.000 χ^2/NDF: 3842419.4/29

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.037+/-0.000 χ^2/NDF: 4388704.0/48

All: 0.037+/-0.000 χ^2/NDF: 9730282.0/101

- sign 0.038+/-0.000 χ^2/NDF: 5303590.7/52



Right In: 1.056+/-0.000 χ^2/NDF: 25264565130.6/23

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.986+/-0.000 χ^2/NDF: 34946887366.8/29

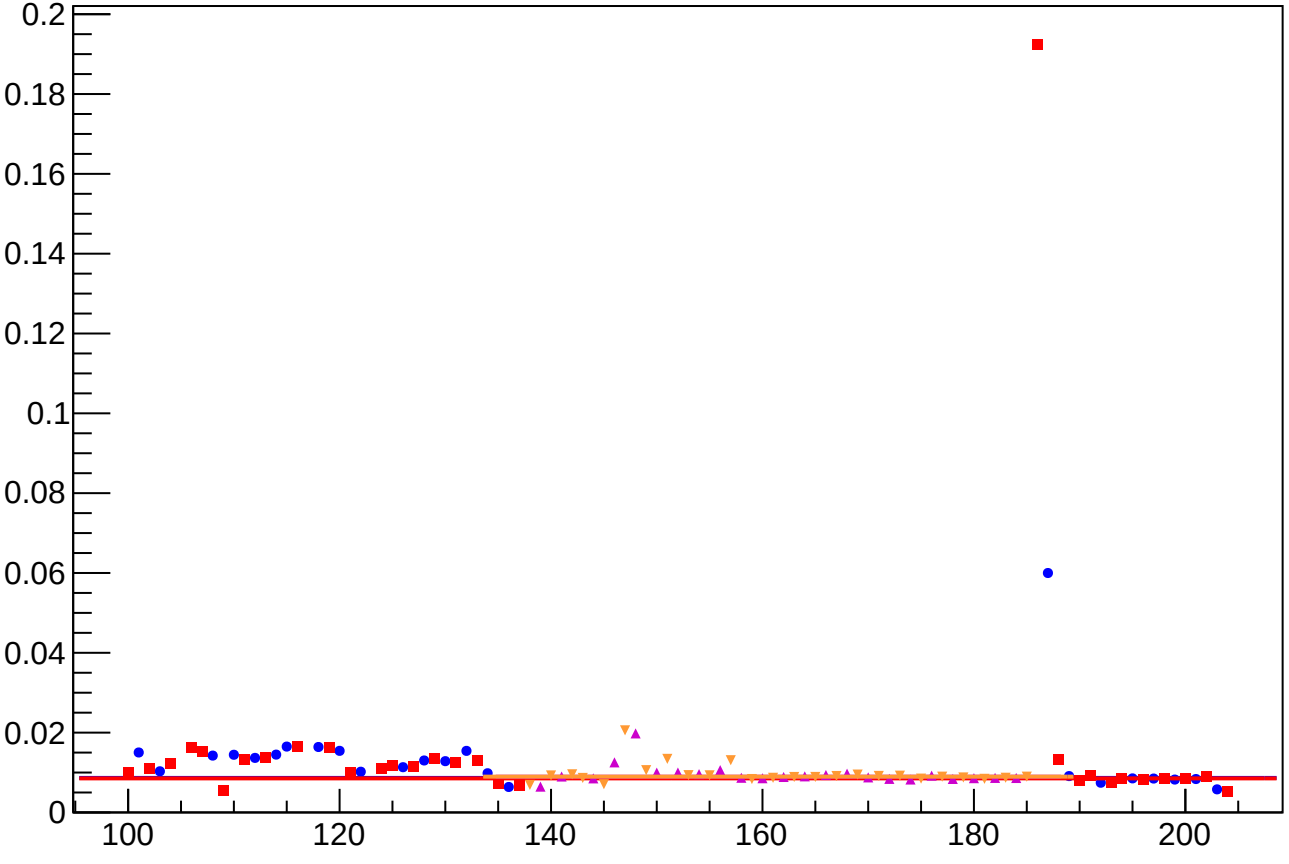
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.075+/-0.000 χ^2/NDF: 119206178952.1/48

All: 1.056+/-0.000 χ^2/NDF: 229311506196.3

- sign 1.037+/-0.000 χ^2/NDF: 109837023163.9/52

yield_bpm12Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 2371795.0/23

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 3156268.0/29

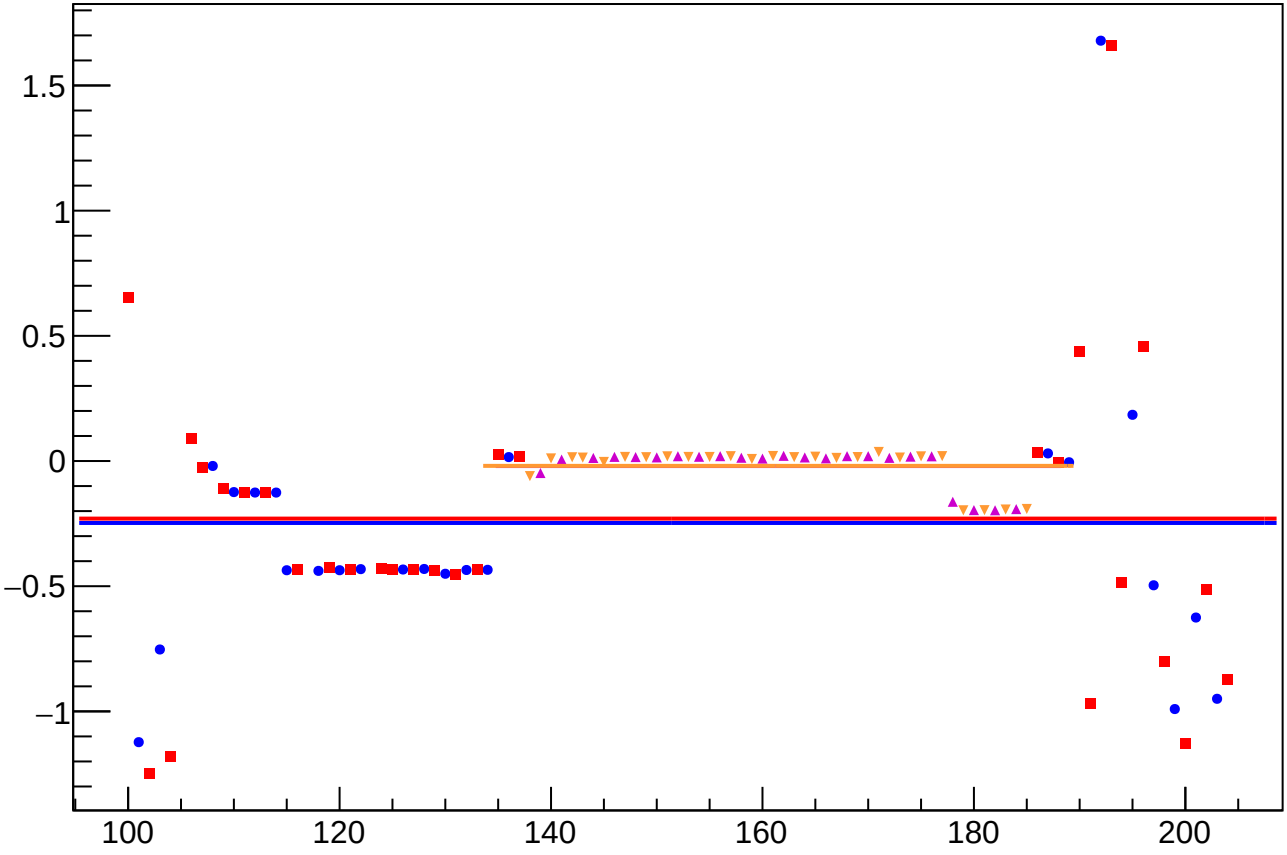
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 3536657.8/48

All: 0.009+/-0.000 χ^2/NDF: 7694349.1/101

- sign 0.009+/-0.000 χ^2/NDF: 4155133.6/52

yield_bpm16X_mean vs Slug



Right In: -0.247+/-0.000 χ^2/NDF: 3297349533.0/23

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.230+/-0.000 χ^2/NDF: 3051486290.1/29

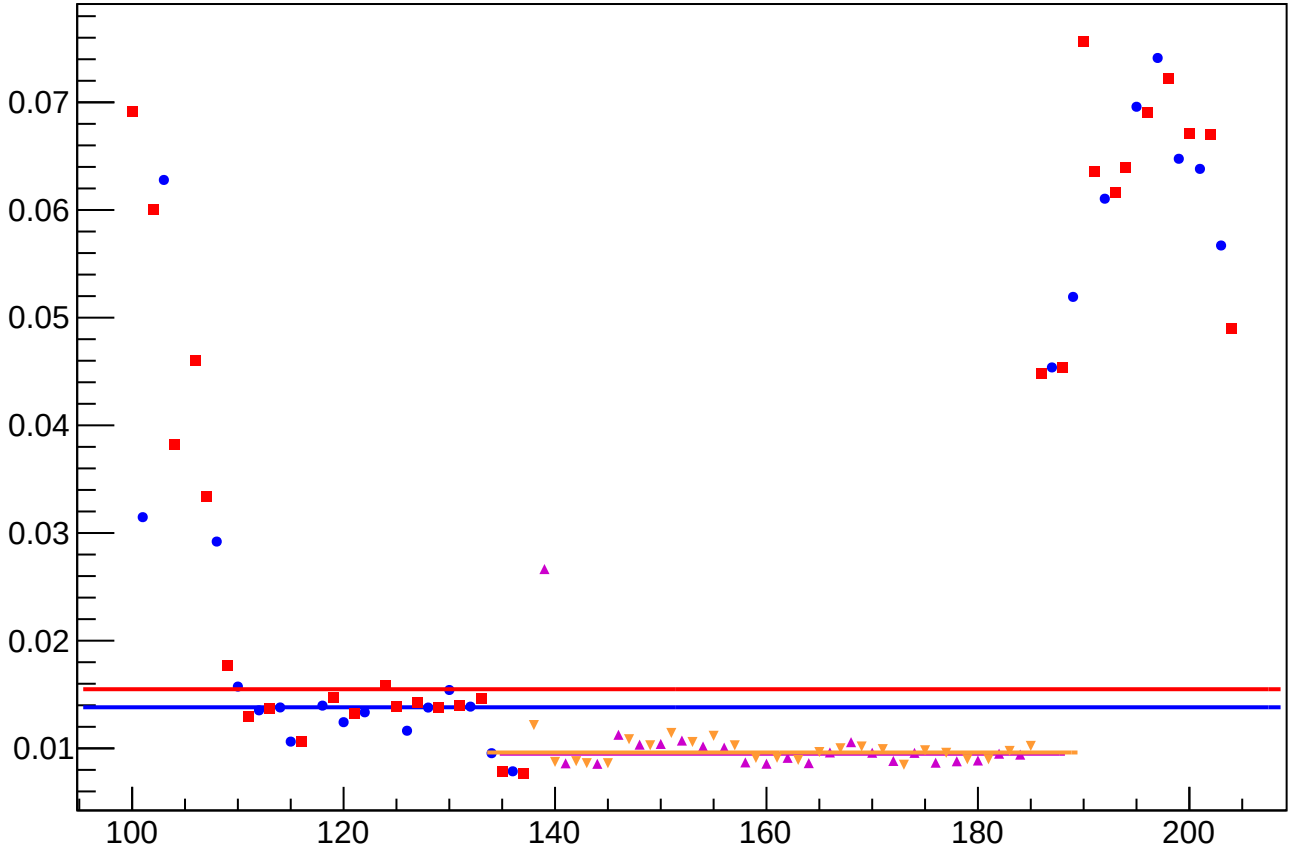
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.059+/-0.000 χ^2/NDF: 5948035873.0/48

All: -0.057+/-0.000 χ^2/NDF: 11230463244.7/

- sign -0.055+/-0.000 χ^2/NDF: 5281191866.5/52

yield_bpm16X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9088447.9/23

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 11136439.6/29

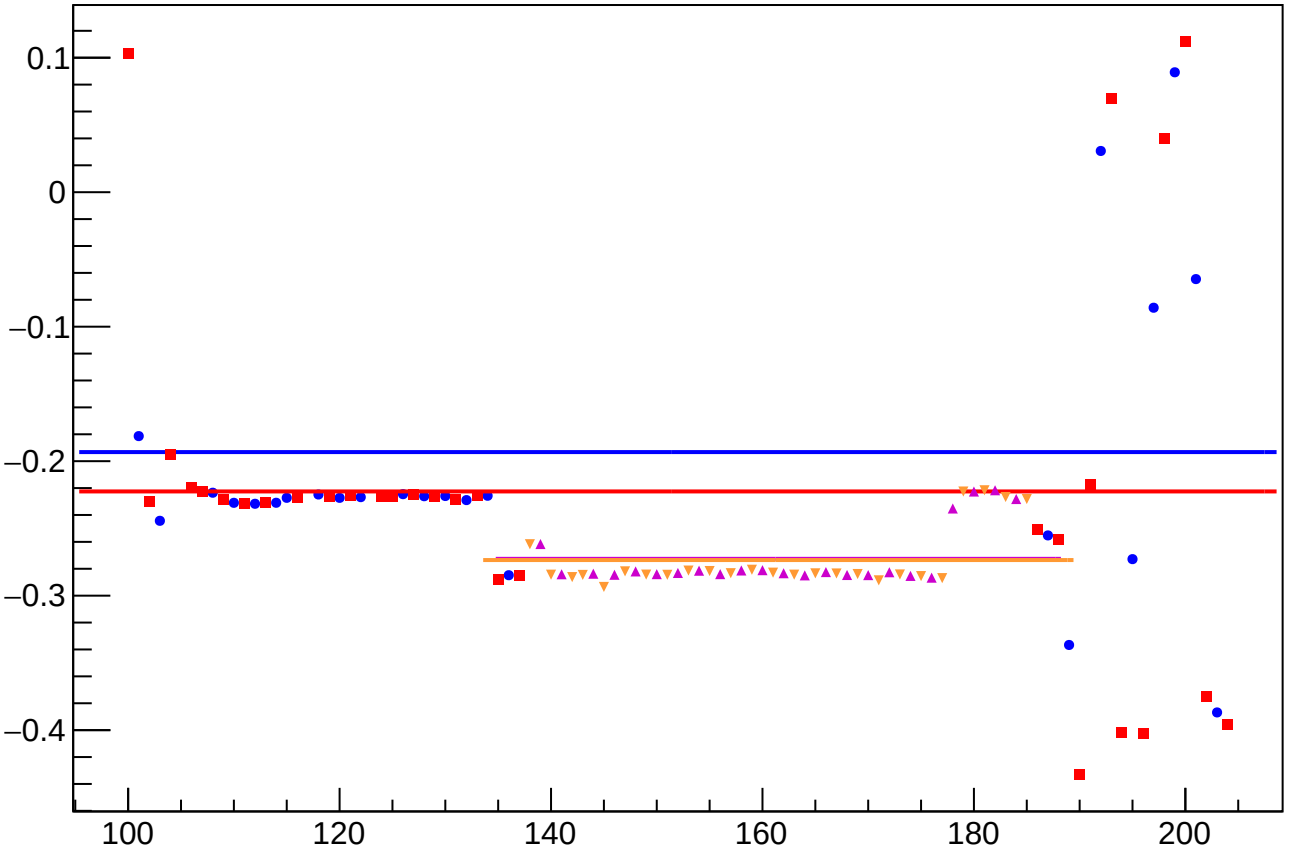
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 10439461.1/48

All: 0.010+/-0.000 χ^2/NDF: 24512705.4/101

- sign 0.011+/-0.000 χ^2/NDF: 14067829.8/52

yield_bpm16Y_mean vs Slug



Right In: -0.193+/-0.000 χ^2/NDF: 5792314443.3/23

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.222+/-0.000 χ^2/NDF: 9254651959.2/29

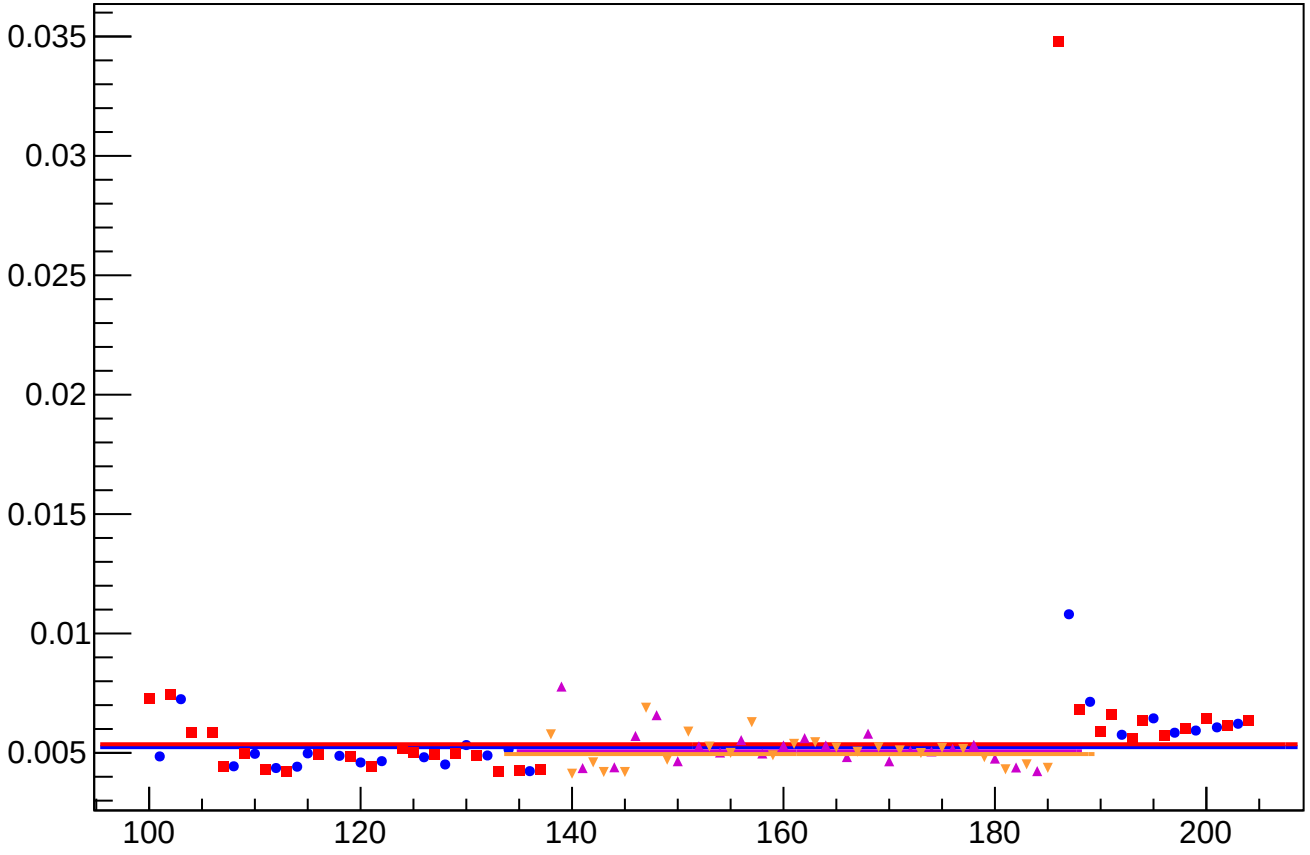
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.244+/-0.000 χ^2/NDF: 7943700072.1/48

All: -0.248+/-0.000 χ^2/NDF: 18269594096.7/

- sign -0.252+/-0.000 χ^2/NDF: 10290473903.5/52

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 664585.7/23

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

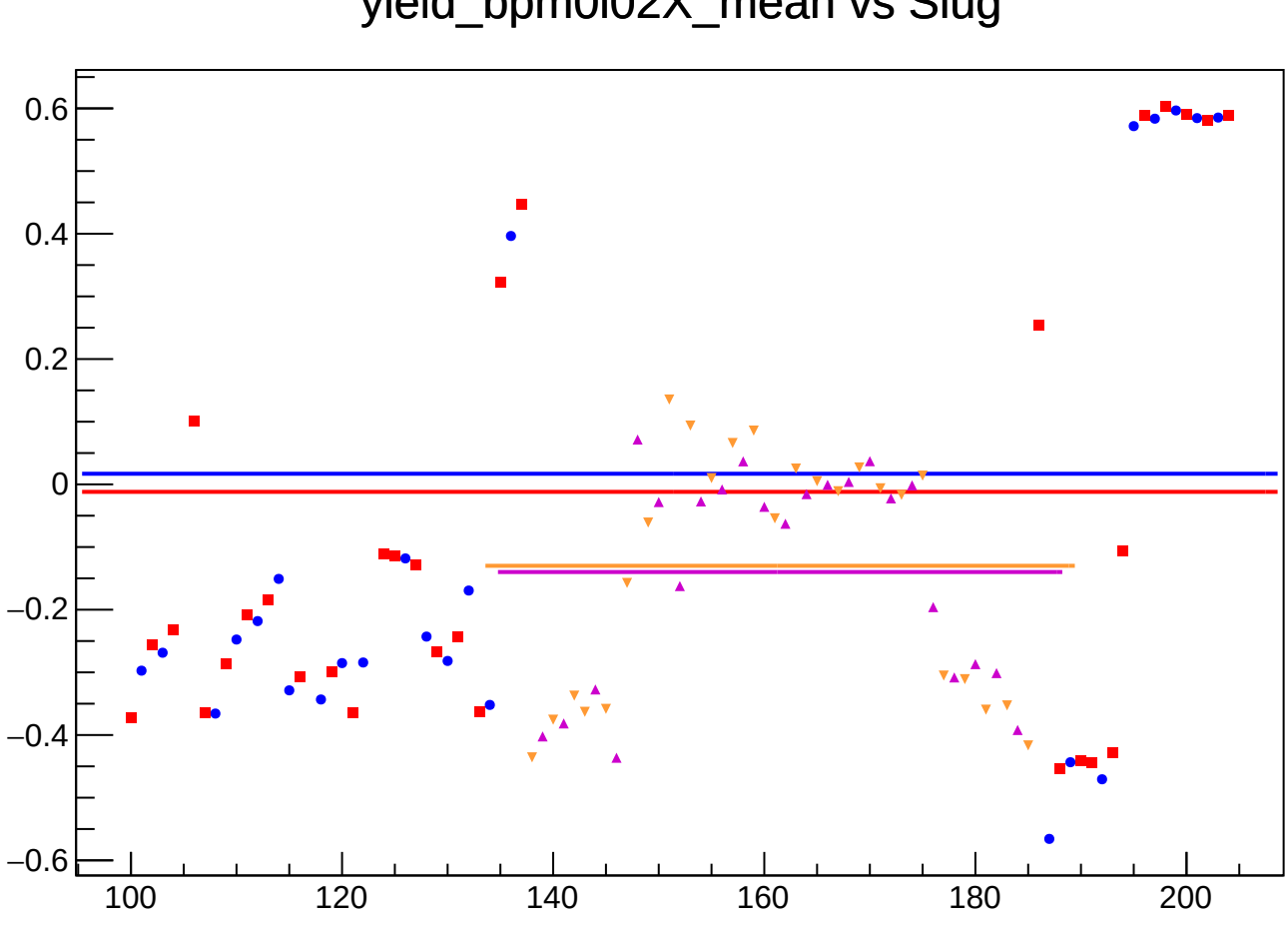
Right Out: 0.005+/-0.000 χ^2/NDF: 1314196.7/29

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 1239162.9/48

All: 0.005+/-0.000 χ^2/NDF: 3161565.0/101

- sign 0.005+/-0.000 χ^2/NDF: 1902074.8/52



Right In: 0.017+/-0.000 χ^2/NDF: 50677484000.6/23

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.012+/-0.000 χ^2/NDF: 52236834769.5/29

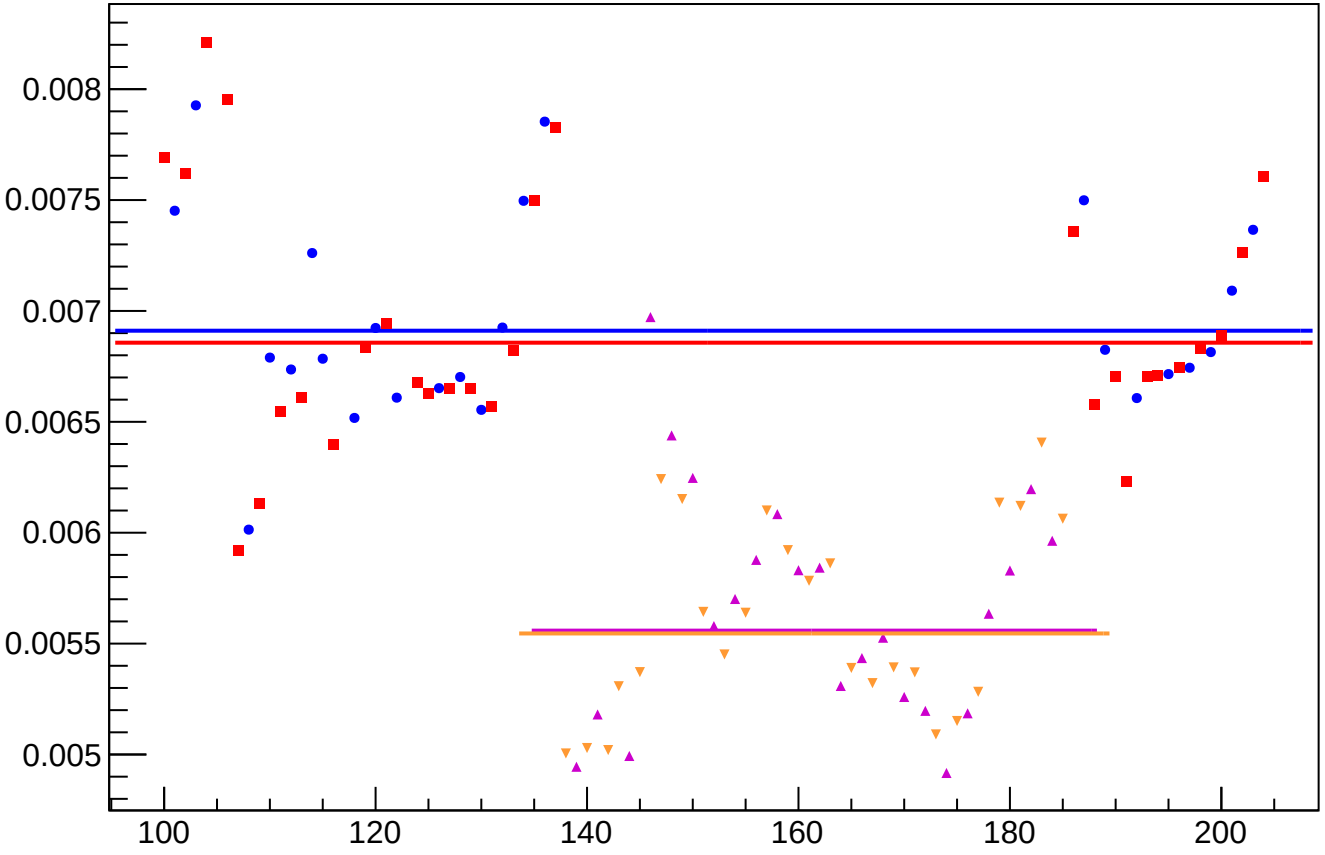
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.084+/-0.000 χ^2/NDF: 76197941346.5/48

All: -0.089+/-0.000 χ^2/NDF: 146952862475.4

- sign -0.093+/-0.000 χ^2/NDF: 70717281784.0/52

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 102378.0/23

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

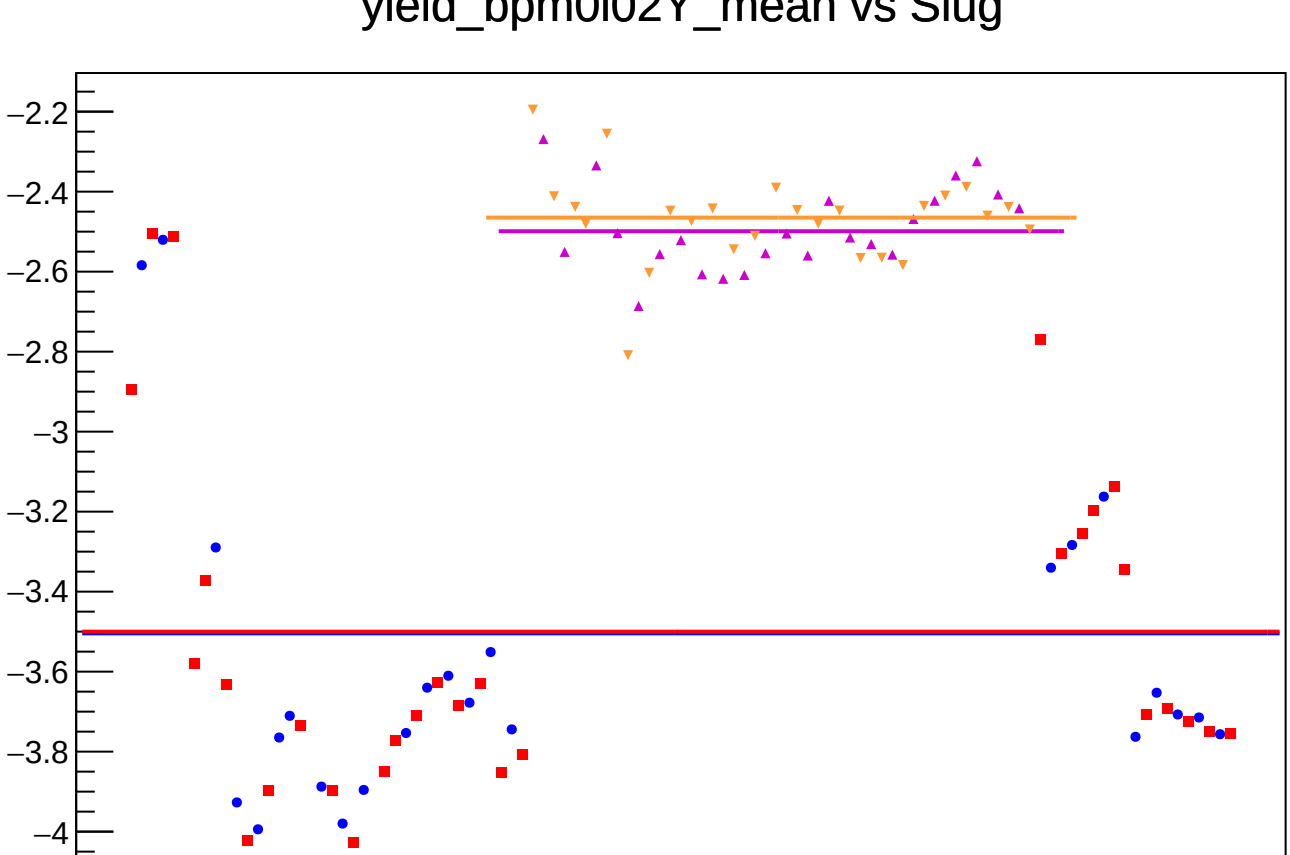
Right Out: 0.007+/-0.000 χ^2/NDF: 136163.7/29

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 999352.3/48

All: 0.006+/-0.000 χ^2/NDF: 2085813.6/101

- sign 0.006+/-0.000 χ^2/NDF: 1083448.0/52



Right In: -3.504+/-0.000 χ^2/NDF: 32184205094.7/23

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.500+/-0.000 χ^2/NDF: 34368372222.9/29

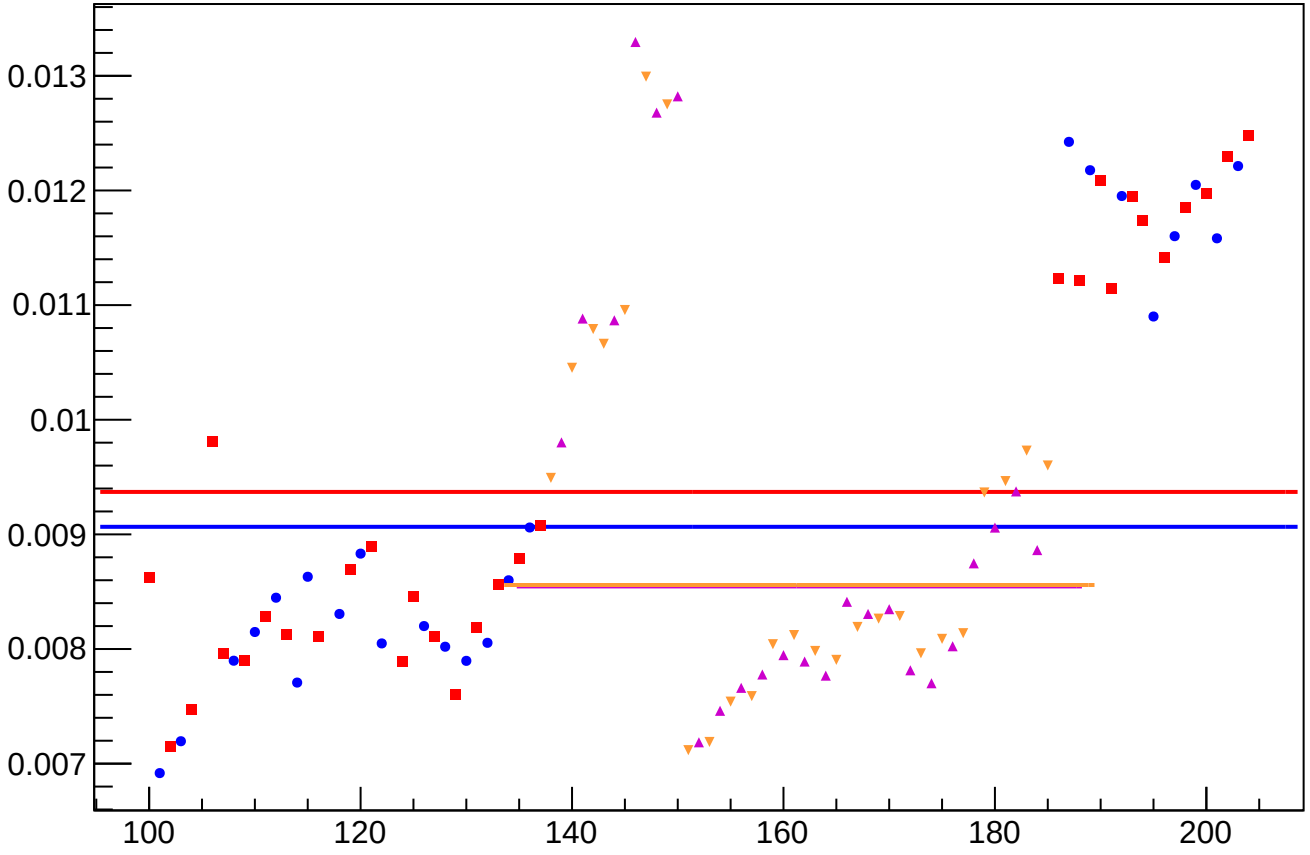
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.860+/-0.000 χ^2/NDF: 135634510554.2/48

All: -2.886+/-0.000 χ^2/NDF: 269528573139.5

- sign -2.912+/-0.000 χ^2/NDF: 133352857509.9/52

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 956895.1/23

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 1086220.6/29

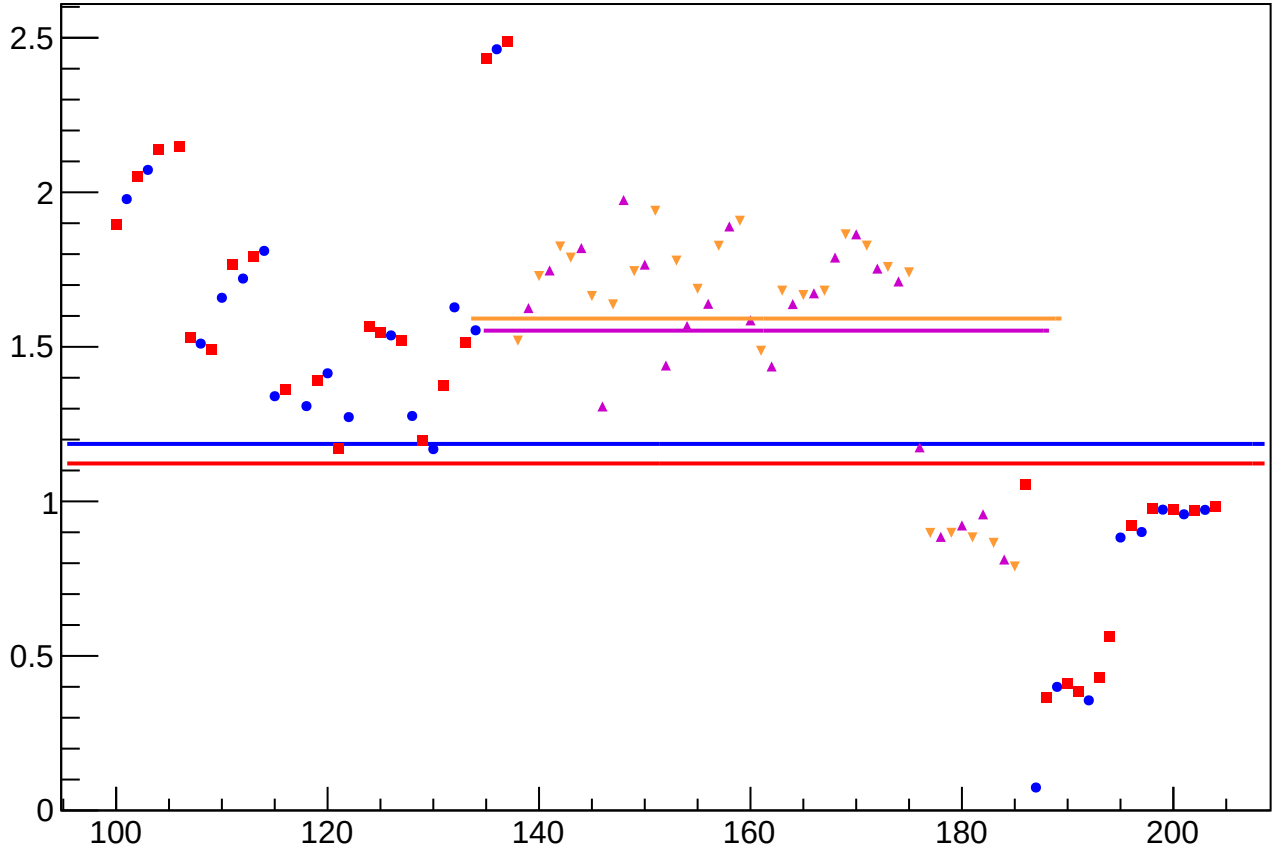
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 1829258.3/48

All: 0.009+/-0.000 χ^2/NDF: 3964671.7/101

- sign 0.009+/-0.000 χ^2/NDF: 2128181.4/52

yield_bpm0i02aX_mean vs Slug



Right In: 1.186+/-0.000 χ^2/NDF: 28961840671.1/23

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.123+/-0.000 χ^2/NDF: 34317633615.7/29

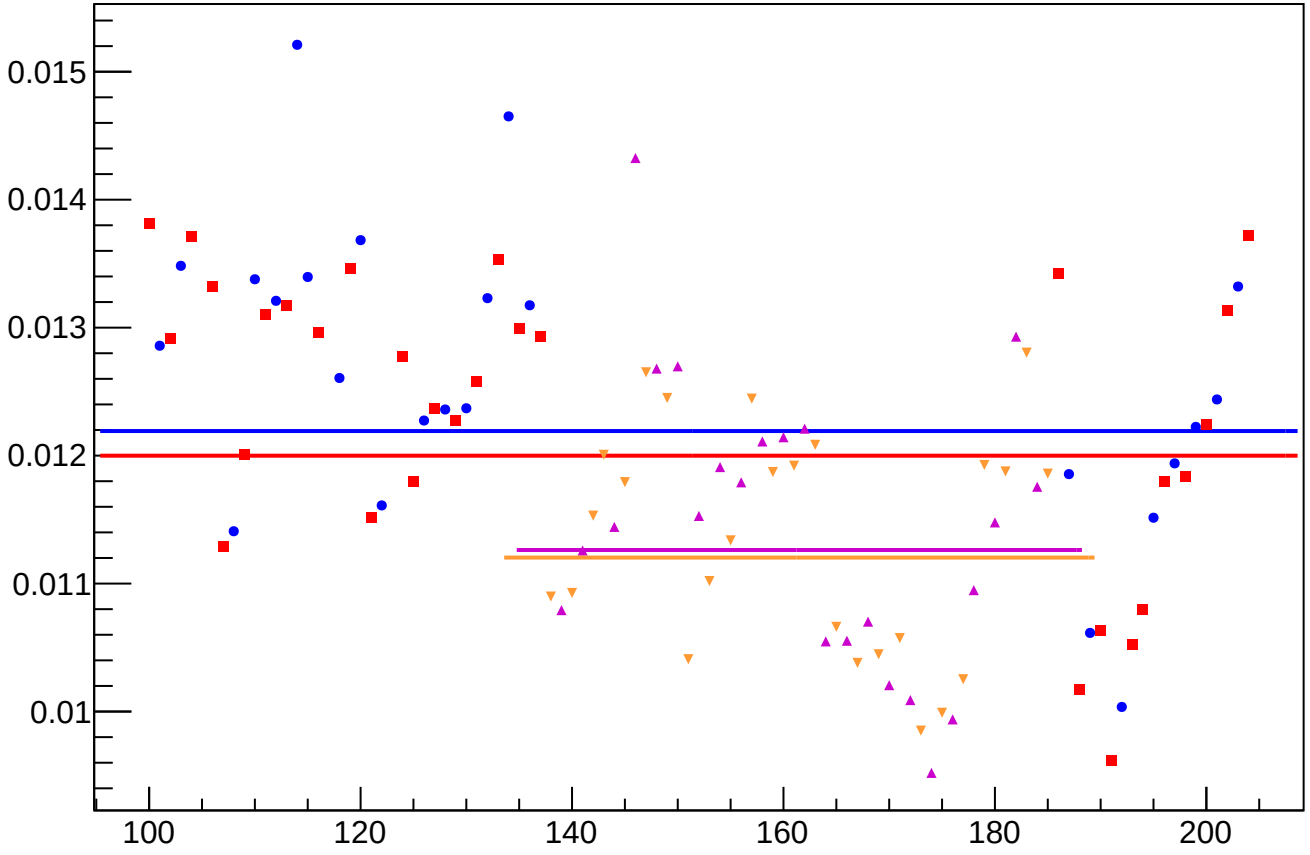
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.442+/-0.000 χ^2/NDF: 54992826388.4/48

All: 1.404+/-0.000 χ^2/NDF: 114894967782.6

- sign 1.367+/-0.000 χ^2/NDF: 59248531914.3/52

yield_bpm0i02aX_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 219206.8/23

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 290029.0/29

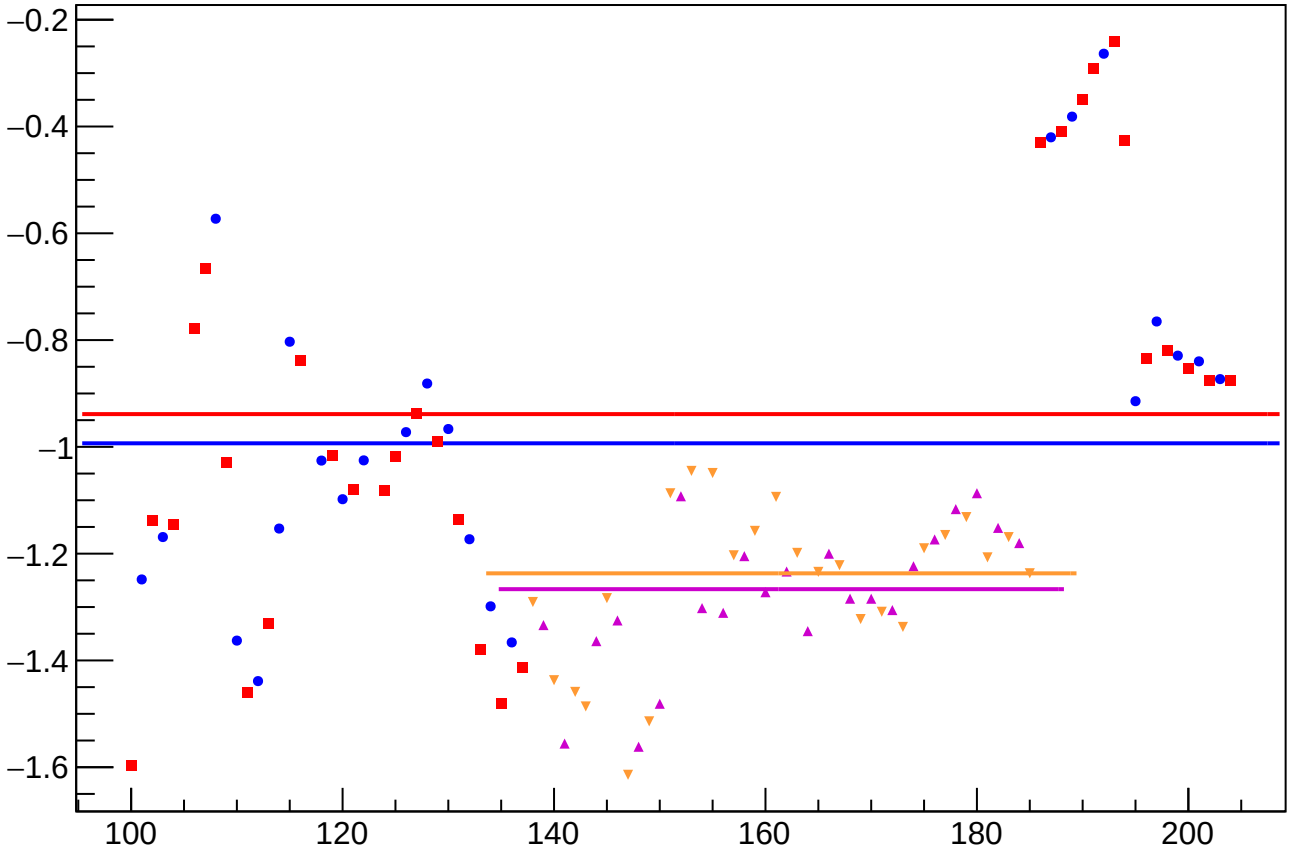
Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 549210.7/48

All: 0.012+/-0.000 χ^2/NDF: 1214912.0/101

- sign 0.012+/-0.000 χ^2/NDF: 665672.6/52

yield_bpm0i02aY_mean vs Slug



Right In: -0.993+/-0.000 χ^2/NDF: 11706291042.5/23

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.939+/-0.000 χ^2/NDF: 16598180050.9/29

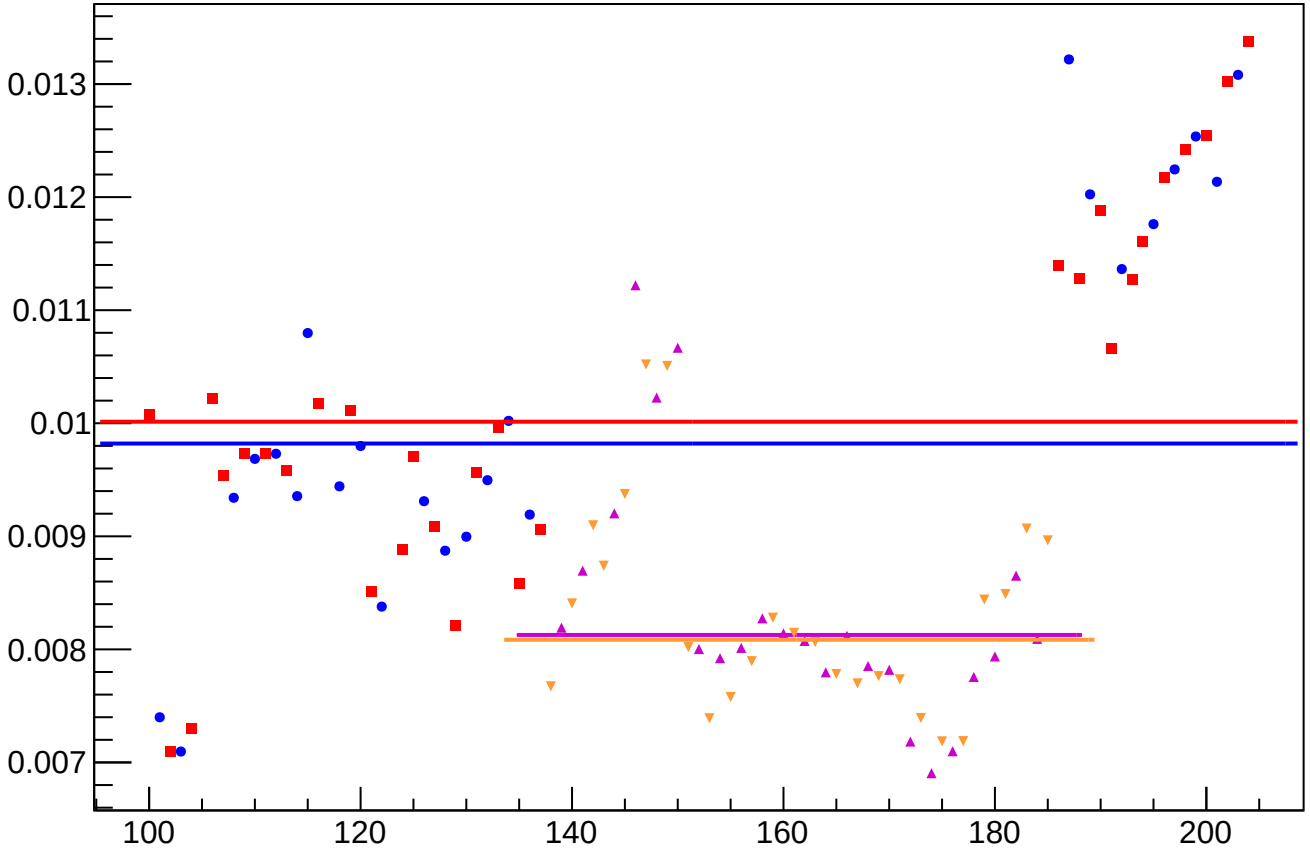
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.160+/-0.000 χ^2/NDF: 21873232687.0/48

All: -1.155+/-0.000 χ^2/NDF: 52072086147.8/

- sign -1.150+/-0.000 χ^2/NDF: 30179612713.4/52

yield_bpm0i02aY_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 814023.6/23

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

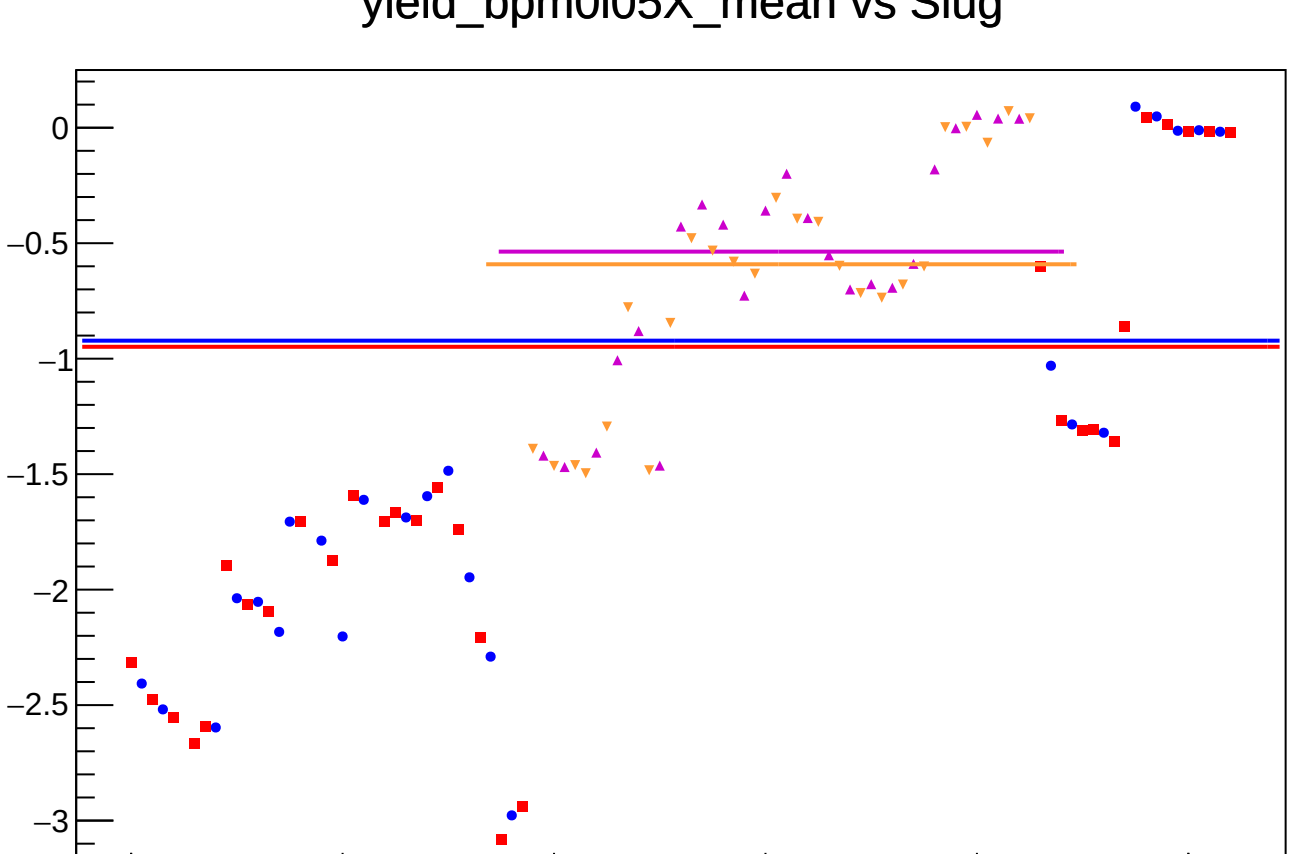
Right Out: 0.010+/-0.000 χ^2/NDF: 950705.5/29

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.009+/-0.000 χ^2/NDF: 1668303.5/48

All: 0.009+/-0.000 χ^2/NDF: 3694251.2/101

- sign 0.009+/-0.000 χ^2/NDF: 2015224.4/52



Right In: -0.922+/-0.000 χ^2/NDF: 317536319457.8/23

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.949+/-0.000 χ^2/NDF: 340531107915.8/29

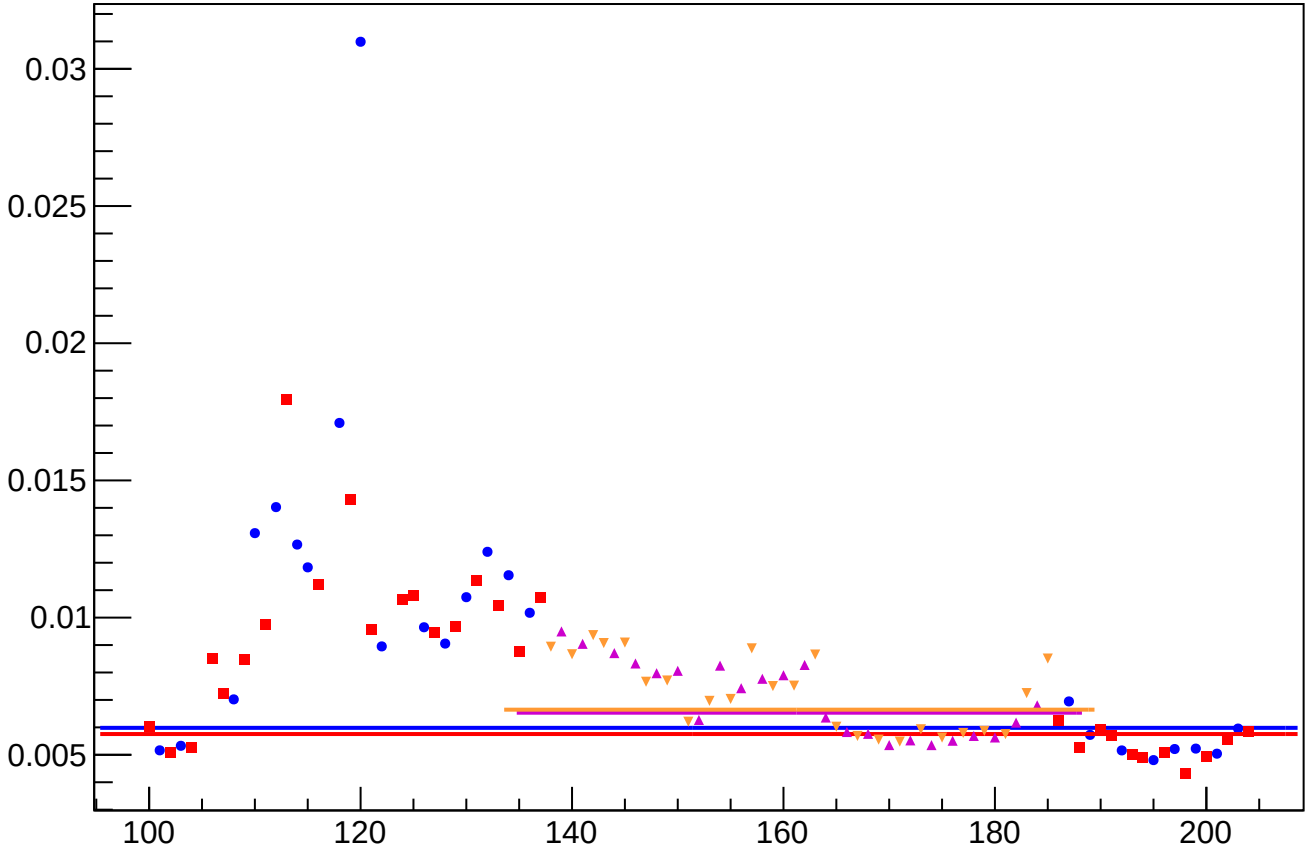
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.734+/-0.000 χ^2/NDF: 408081971236.2/48

All: -0.739+/-0.000 χ^2/NDF: 850512863487.0

- sign -0.744+/-0.000 χ^2/NDF: 442395579881.6/52

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2459353.9/23

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

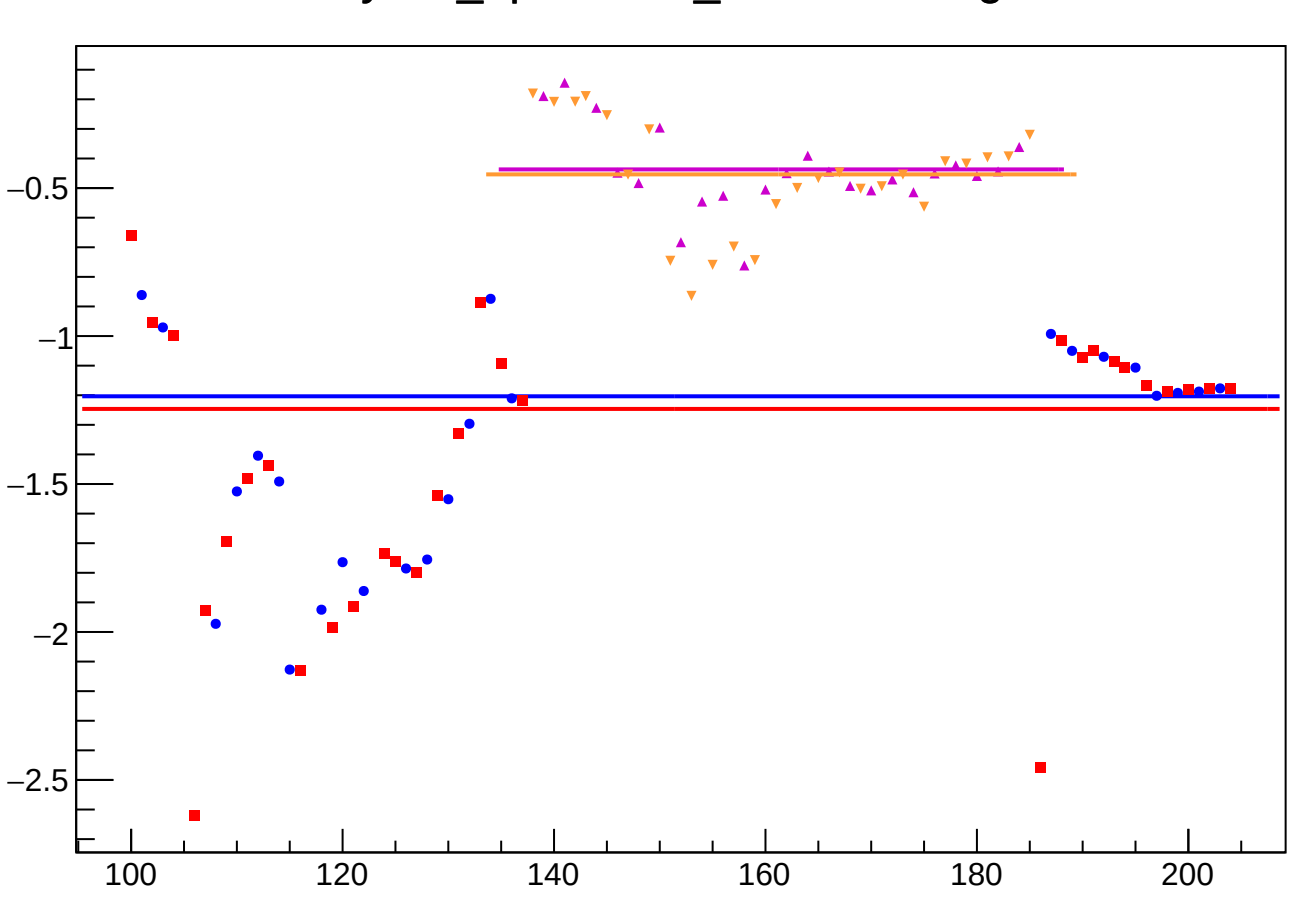
Right Out: 0.006+/-0.000 χ^2/NDF: 2346930.4/29

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 3694547.8/48

All: 0.006+/-0.000 χ^2/NDF: 7451441.4/101

- sign 0.006+/-0.000 χ^2/NDF: 3723953.8/52



Right In: -1.204+/-0.000 χ^2/NDF: 27102409735.0/23

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.246+/-0.000 χ^2/NDF: 72164446124.3/29

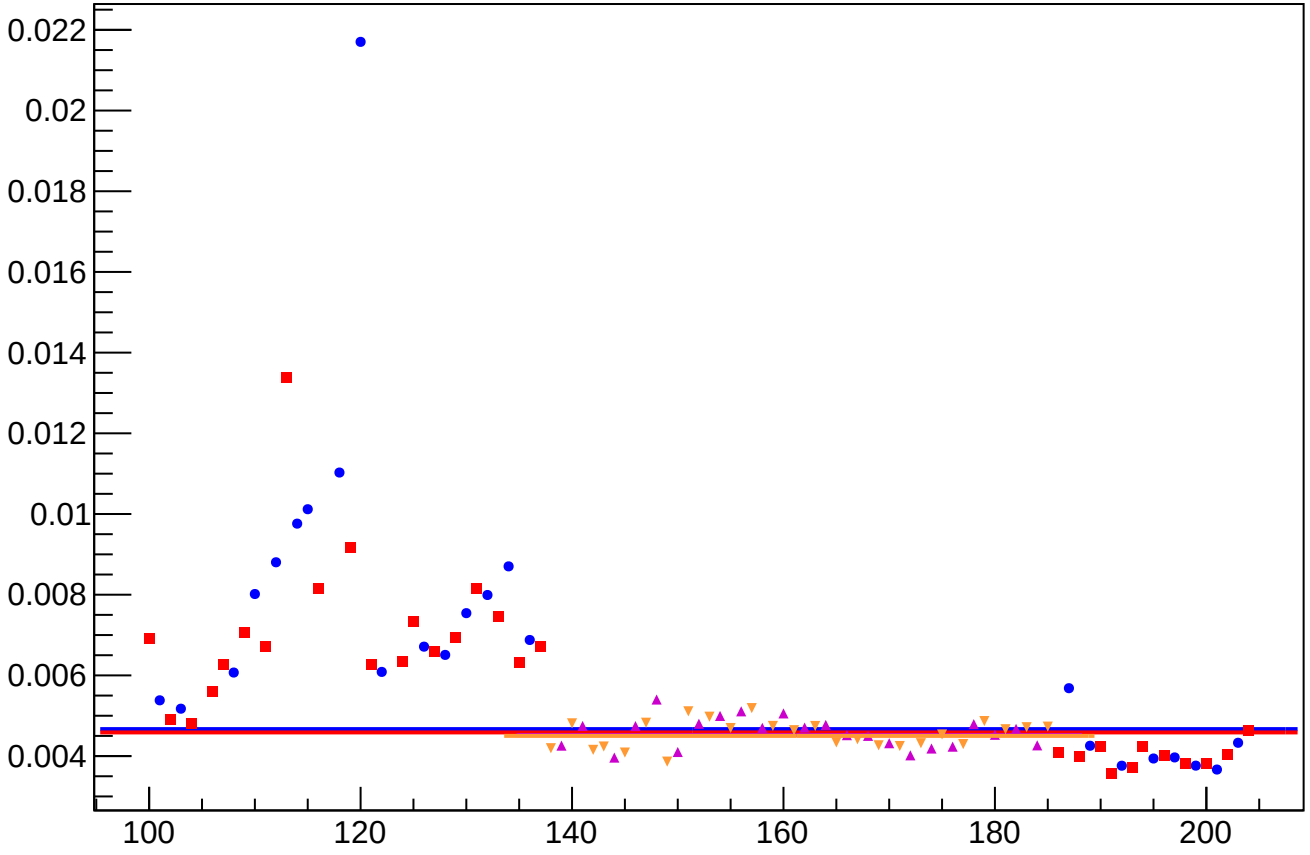
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.721+/-0.000 χ^2/NDF: 230373007794.3/48

All: -0.752+/-0.000 χ^2/NDF: 548847040802.9

- sign -0.781+/-0.000 χ^2/NDF: 315929718262.6/52

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2143345.8/23

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

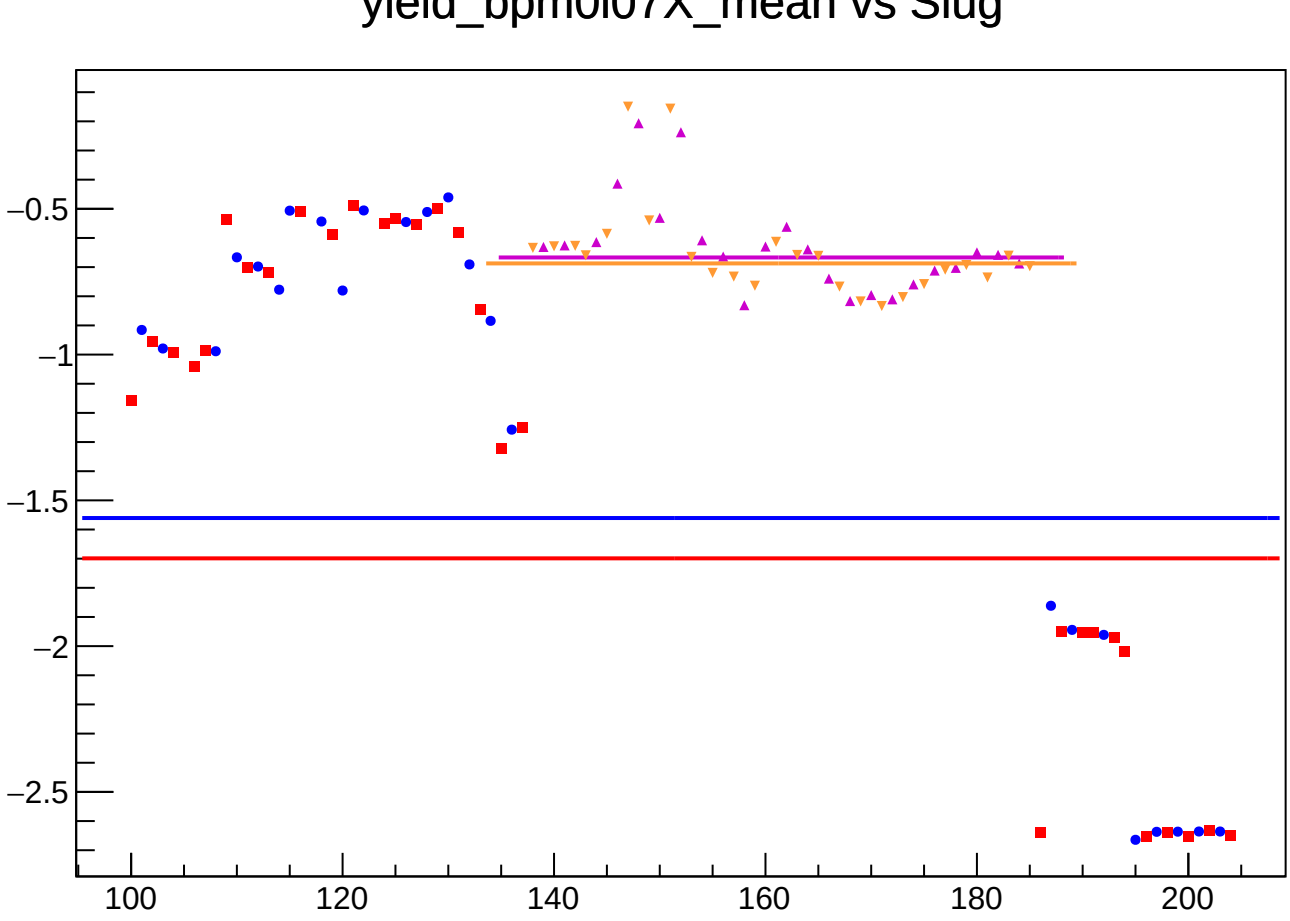
Right Out: 0.005+/-0.000 χ^2/NDF: 1844364.1/29

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2350039.5/48

All: 0.005+/-0.000 χ^2/NDF: 4409688.8/101

- sign 0.005+/-0.000 χ^2/NDF: 2059445.1/52



Right In: -1.561+/-0.000 χ^2/NDF: 214127183228.7/23

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.699+/-0.000 χ^2/NDF: 284970415798.2/29

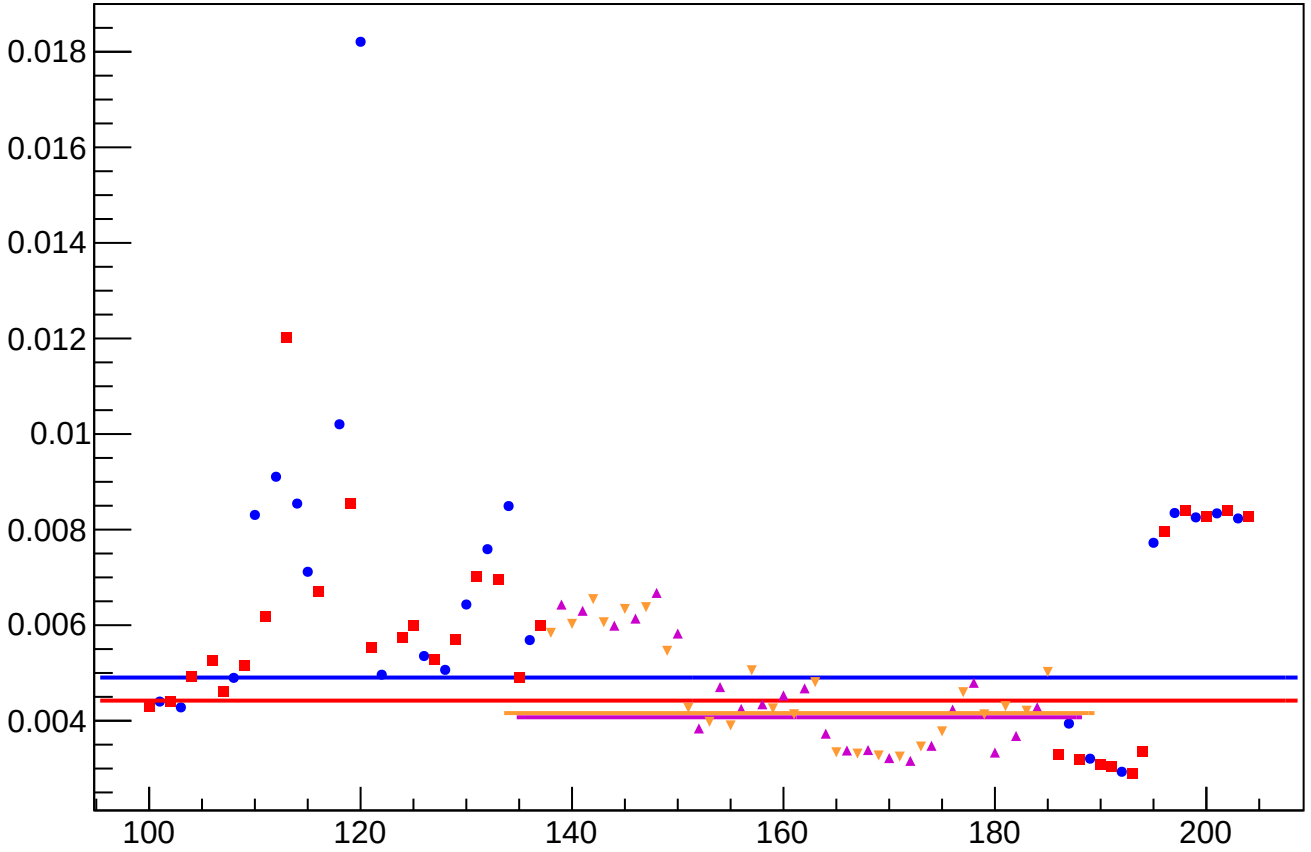
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.952+/-0.000 χ^2/NDF: 459866074251.3/48

All: -1.016+/-0.000 χ^2/NDF: 1175835479019

- sign -1.072+/-0.000 χ^2/NDF: 705438592704.7/52

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 3615109.3/23

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3973857.7/29

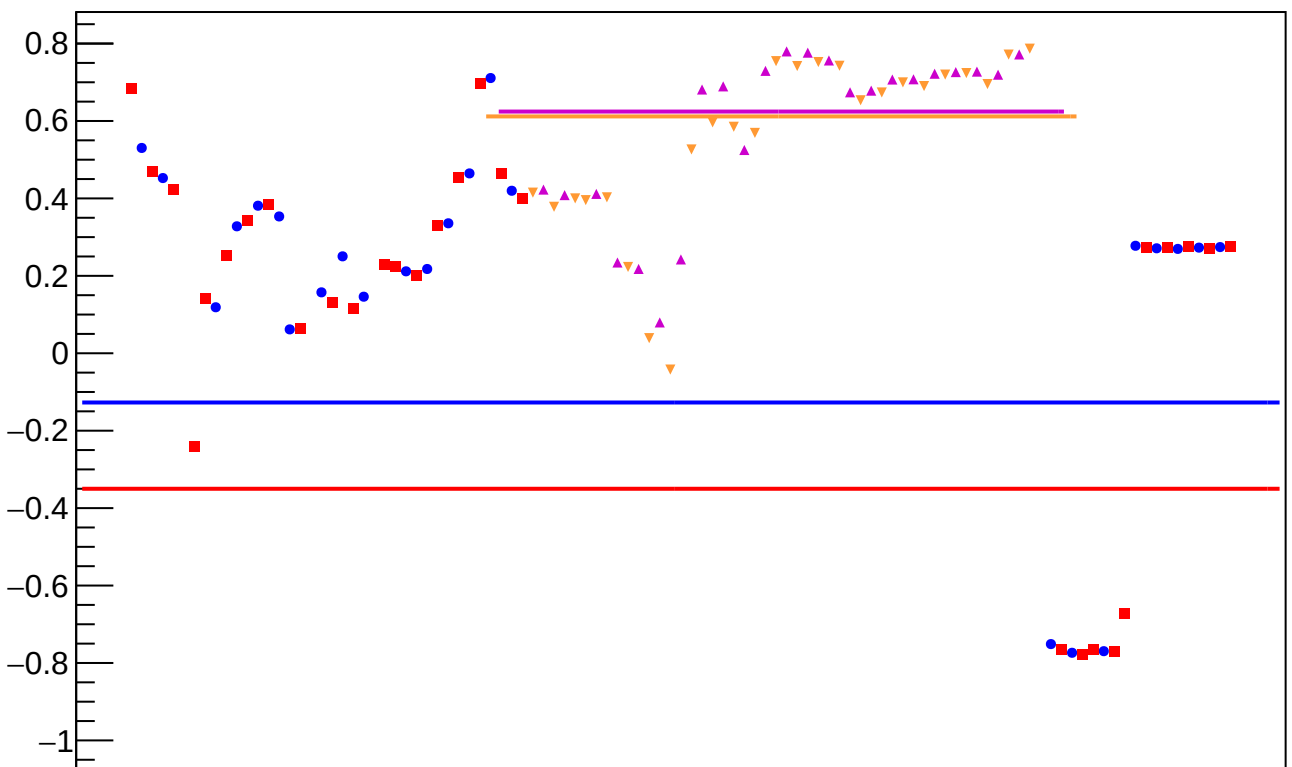
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 5459141.8/48

All: 0.004+/-0.000 χ^2/NDF: 11320035.9/101

- sign 0.004+/-0.000 χ^2/NDF: 5815082.5/52

yield_bpm0i07Y_mean vs Slug



Right In: -0.127+/-0.000 χ^2/NDF: 297641775074.0/23

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.350+/-0.000 χ^2/NDF: 472271381436.9/29

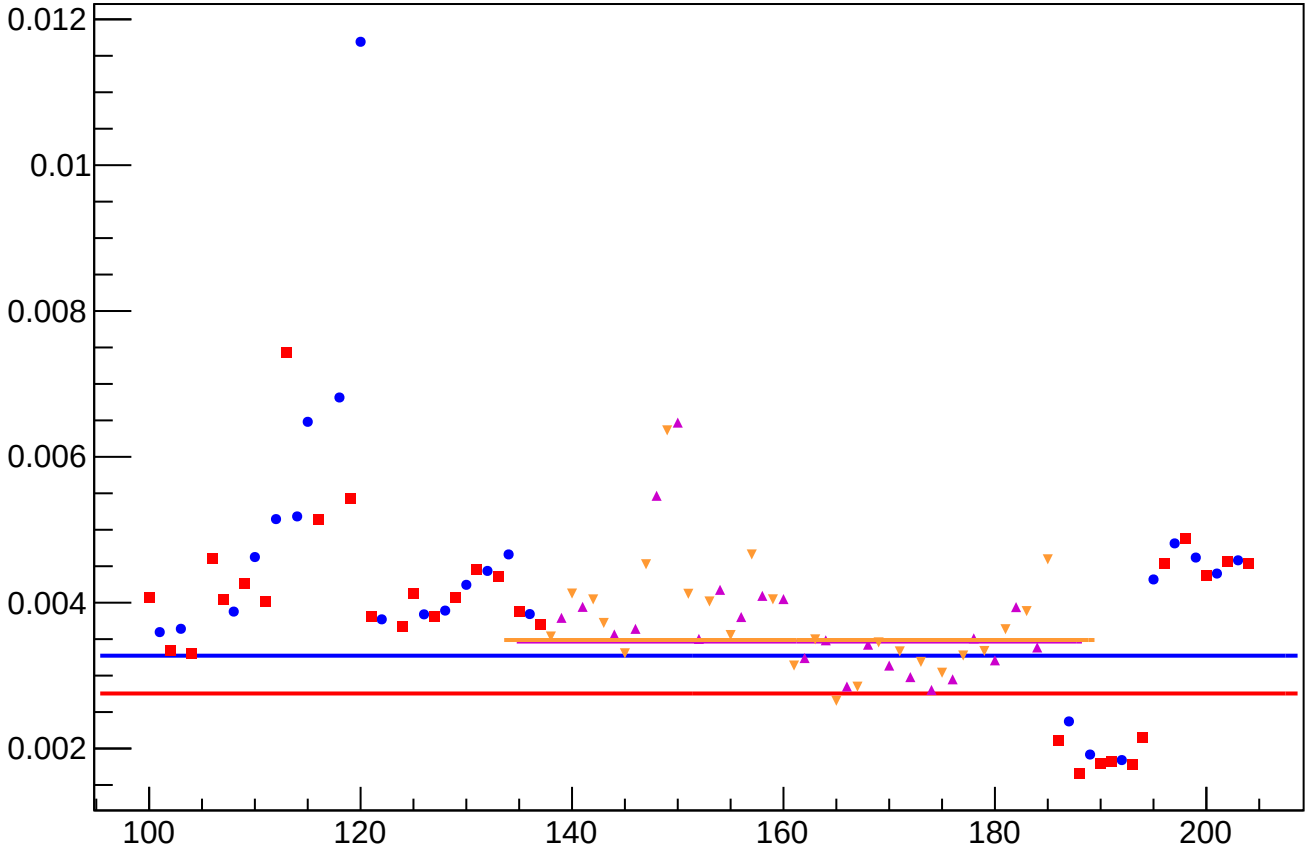
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.297+/-0.000 χ^2/NDF: 650472797933.8/48

All: 0.181+/-0.000 χ^2/NDF: 1882463851505.

- sign 0.087+/-0.000 χ^2/NDF: 1176165954230.8/52

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3208847.4/23

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

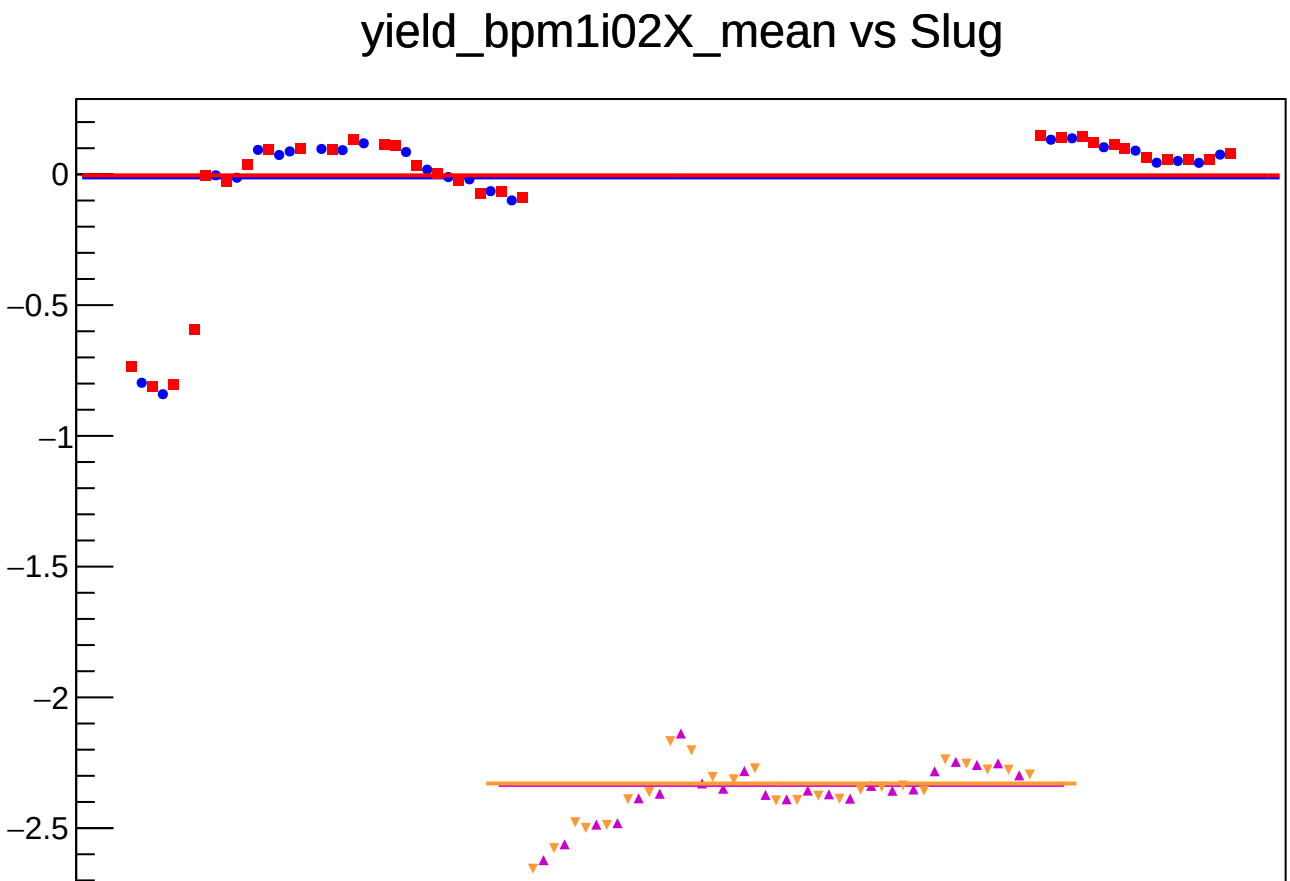
Right Out: 0.003+/-0.000 χ^2/NDF: 4522906.2/29

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 4111565.5/48

All: 0.003+/-0.000 χ^2/NDF: 10501068.0/101

- sign 0.003+/-0.000 χ^2/NDF: 6125983.6/52



Right In: -0.012+/-0.000 χ^2/NDF: 6406033227.5/23

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.004+/-0.000 χ^2/NDF: 7742687623.4/29

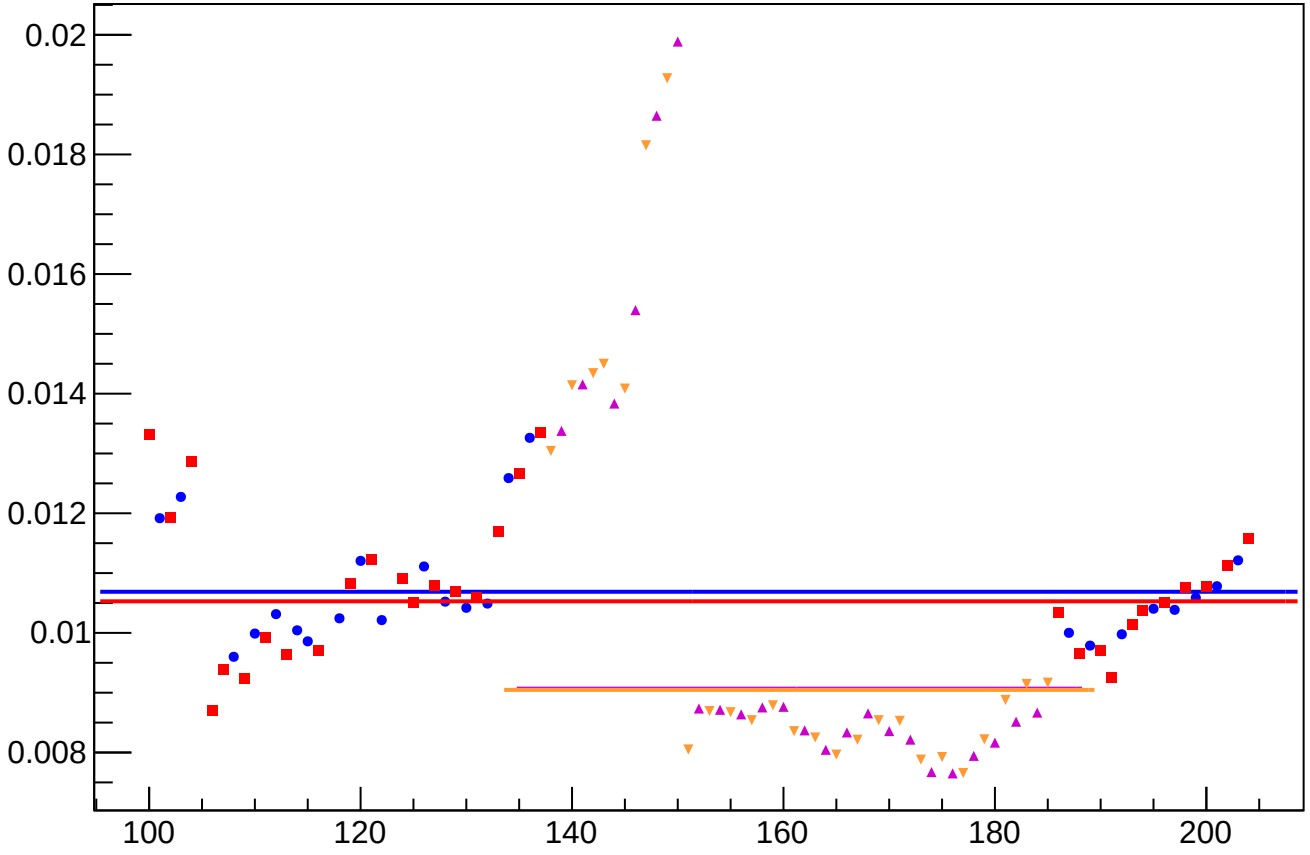
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.542+/-0.000 χ^2/NDF: 413855848410.1/48

All: -1.474+/-0.000 χ^2/NDF: 876874969429.3

- sign -1.408+/-0.000 χ^2/NDF: 459965730903.1/52

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 170685.4/23

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

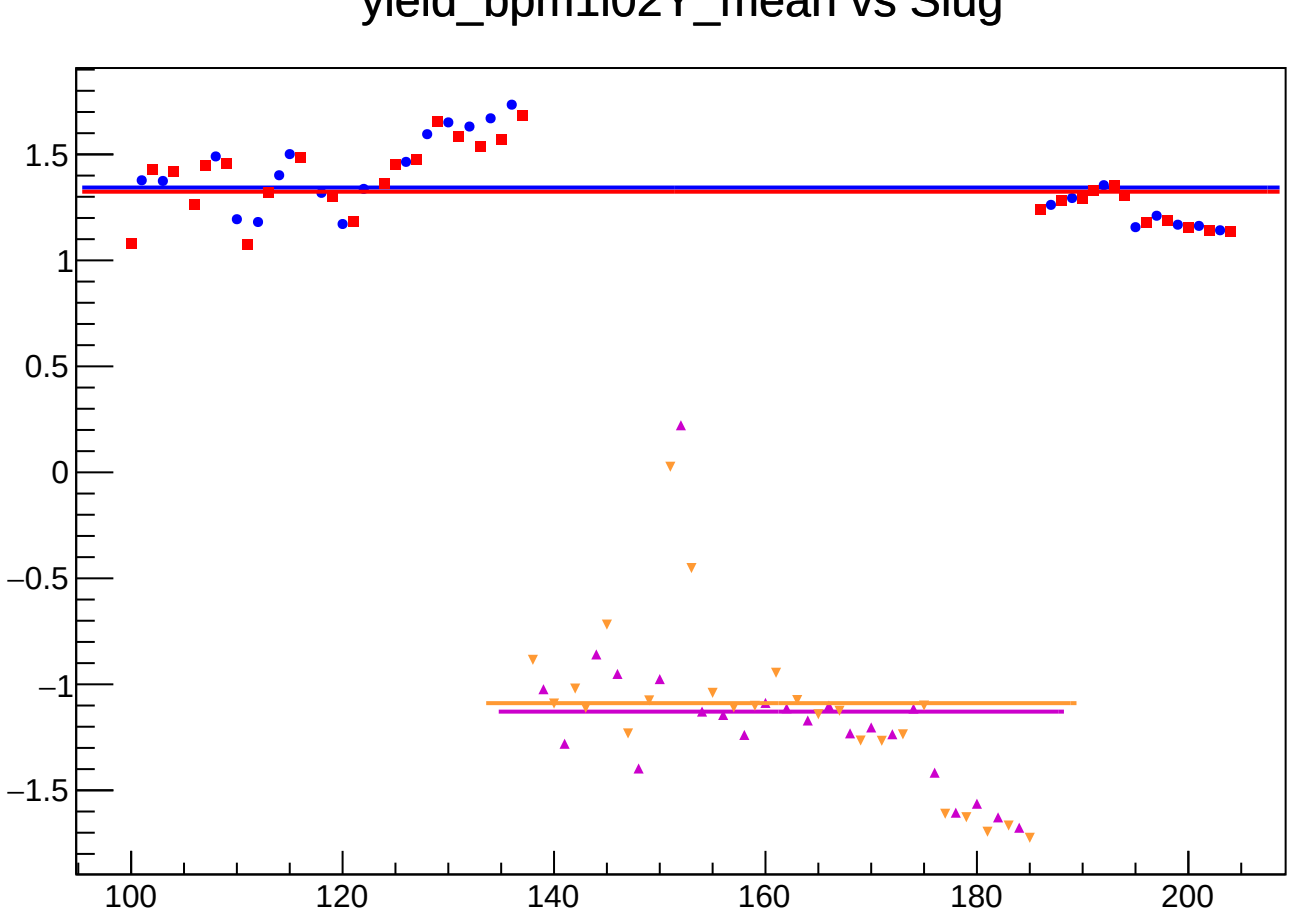
Right Out: 0.011+/-0.000 χ^2/NDF: 245839.7/29

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF: 2625790.6/48

All: 0.010+/-0.000 χ^2/NDF: 5359997.1/101

- sign 0.010+/-0.000 χ^2/NDF: 2733545.4/52



Right In: 1.344+/-0.000 χ^2/NDF: 7289796790.0/23

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.324+/-0.000 χ^2/NDF: 5908993588.2/29

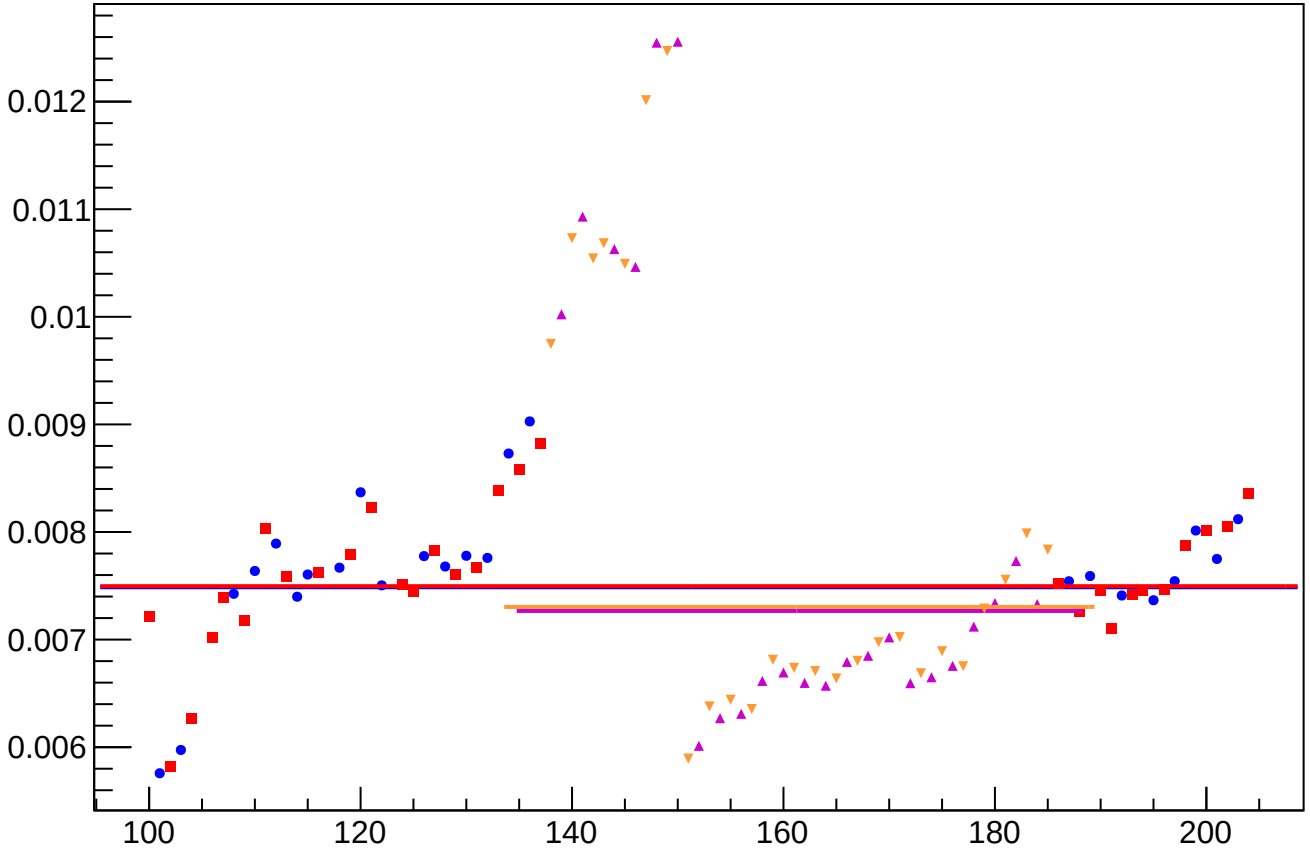
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.114+/-0.000 χ^2/NDF: 889974466066.1/48

All: -0.068+/-0.000 χ^2/NDF: 1854022638718

- sign -0.024+/-0.000 χ^2/NDF: 961647784548.1/52

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 296965.3/23

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

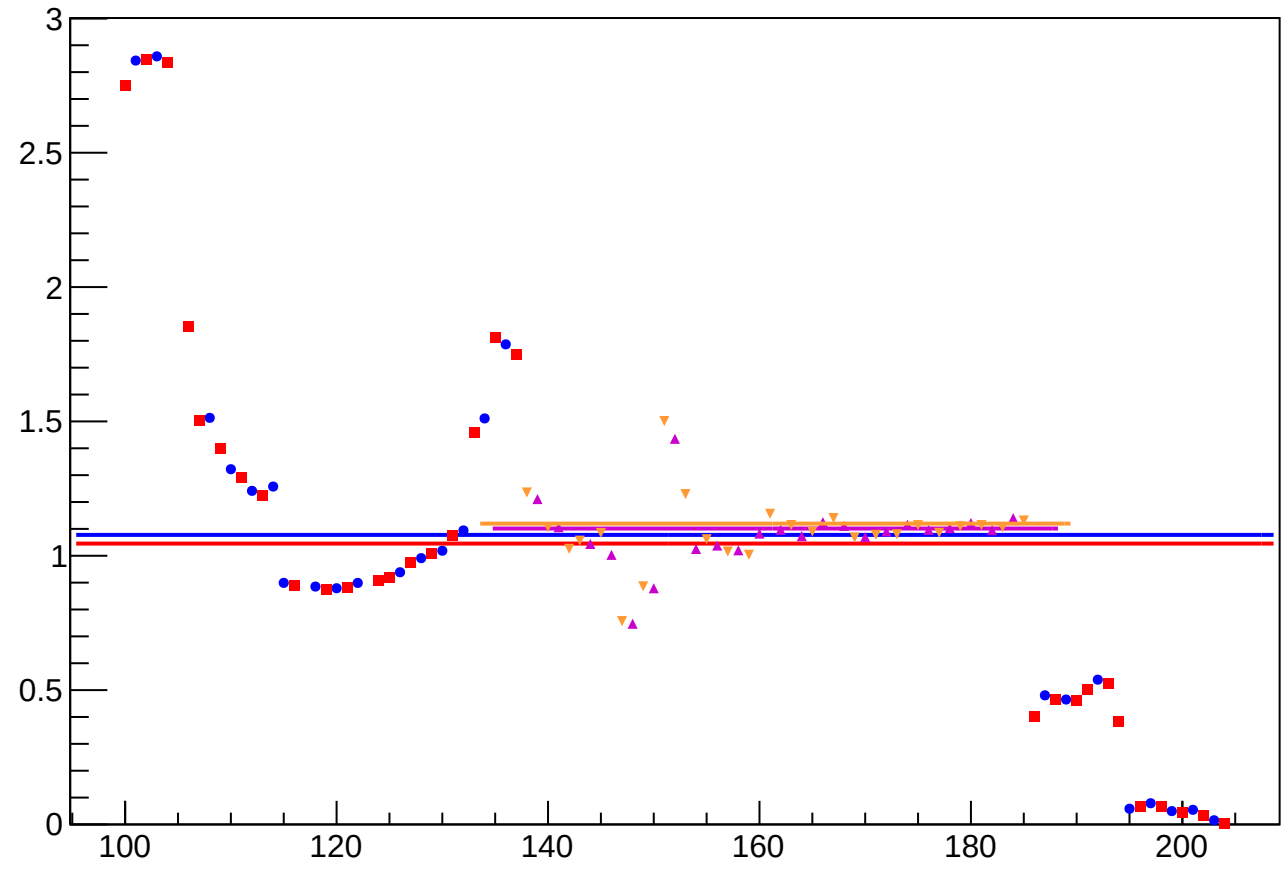
Right Out: 0.007+/-0.000 χ^2/NDF: 243927.8/29

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1810358.3/48

All: 0.007+/-0.000 χ^2/NDF: 3630216.6/101

- sign 0.007+/-0.000 χ^2/NDF: 1819830.9/52



Right In: 1.078+/-0.000 χ^2/NDF: 117978694549.6/23

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.045+/-0.000 χ^2/NDF: 122735321207.5/29

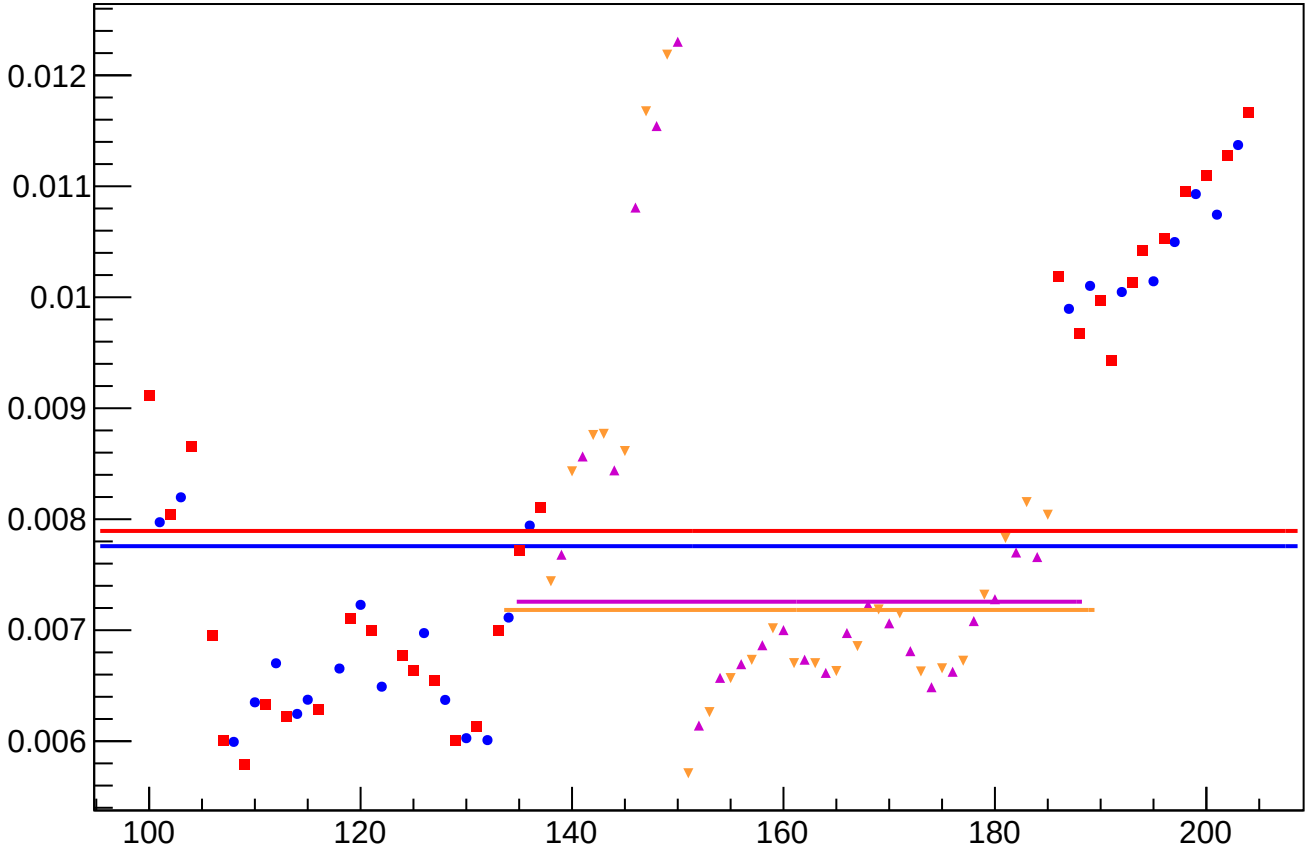
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.104+/-0.000 χ^2/NDF: 123725355707.9/48

All: 1.091+/-0.000 χ^2/NDF: 251283057747.2

- sign 1.078+/-0.000 χ^2/NDF: 127366958975.9/52

yield_bpm1i04X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1286249.1/23

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1685026.2/29

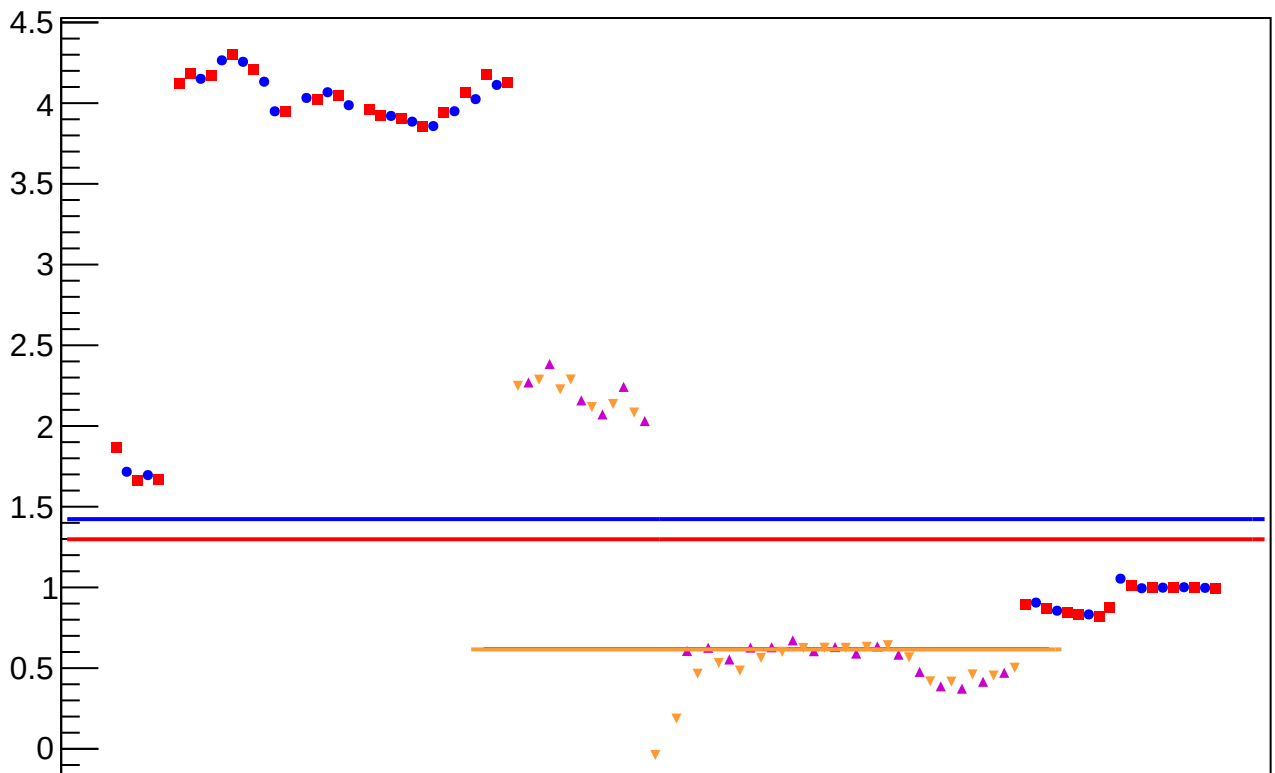
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 2266869.6/48

All: 0.007+/-0.000 χ^2/NDF: 4989054.1/101

- sign 0.008+/-0.000 χ^2/NDF: 2713214.9/52

yield_bpm1i04Y_mean vs Slug



Right In: 1.423+/-0.000 χ^2/NDF: 1524457424706.5/23

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.298+/-0.000 χ^2/NDF: 1739358583949.7/29

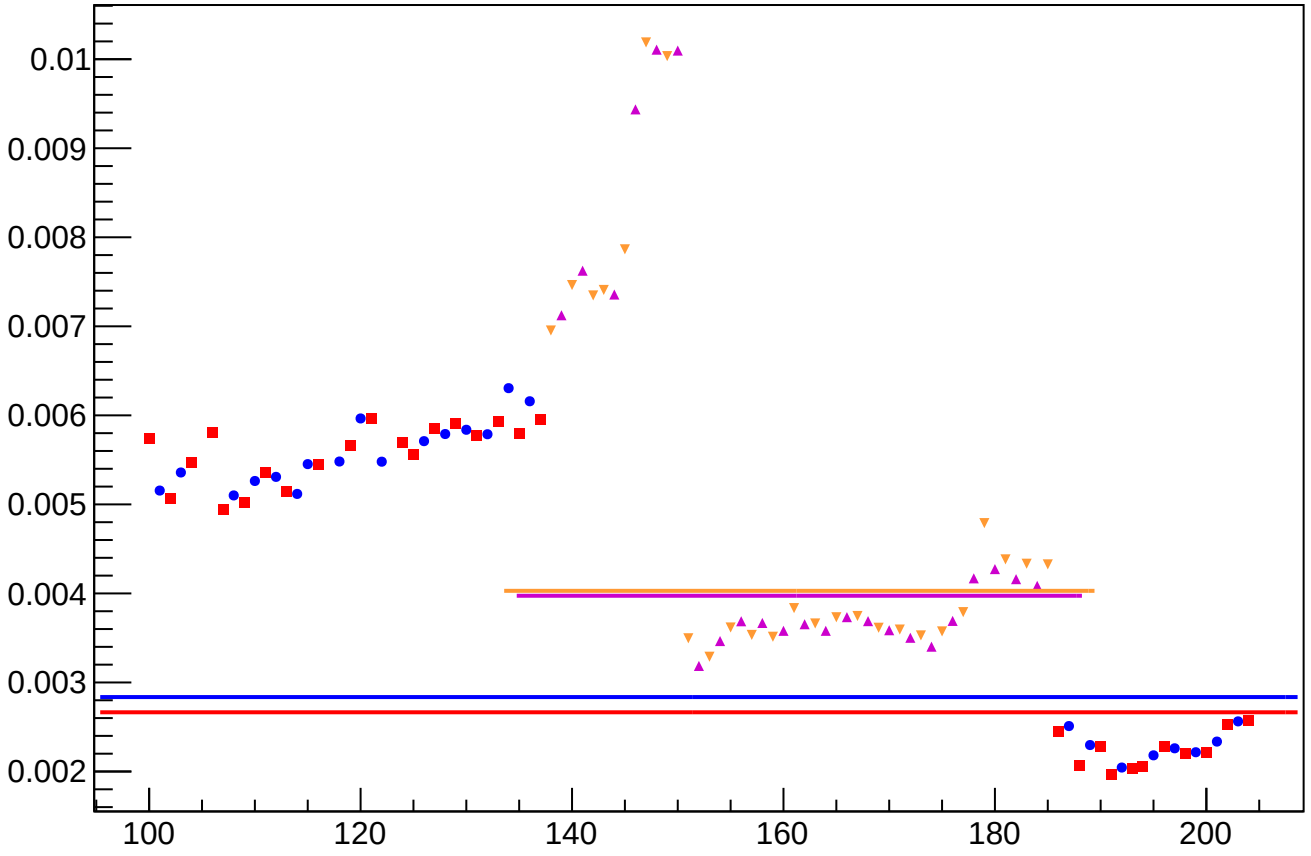
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.063+/-0.000 χ^2/NDF: 2157510779610.5/48

All: 1.054+/-0.000 χ^2/NDF: 4450754998877.

- sign 1.047+/-0.000 χ^2/NDF: 2292906680385.4/52

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4305857.4/23

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4671129.7/29

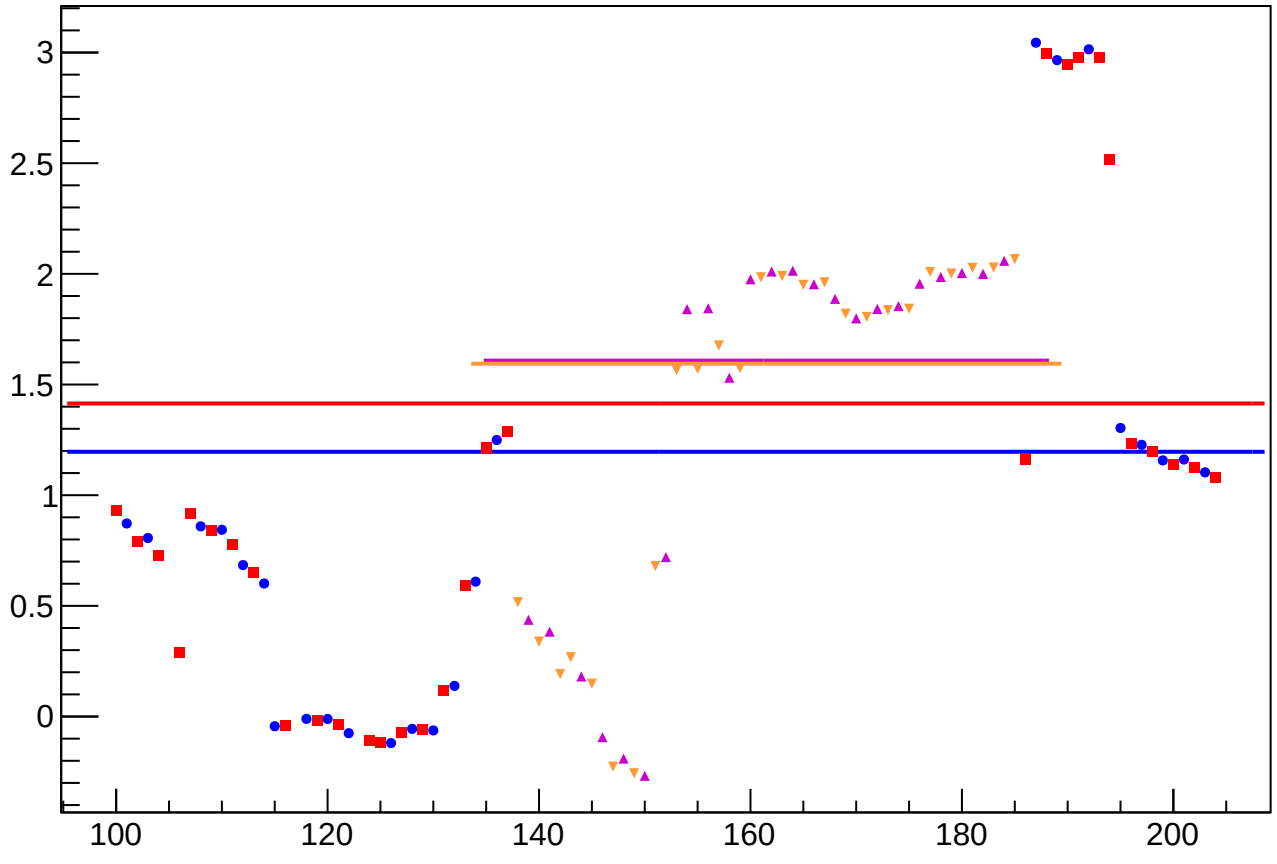
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 8936928.7/48

All: 0.003+/-0.000 χ^2/NDF: 19070395.0/101

- sign 0.003+/-0.000 χ^2/NDF: 10010583.2/52

yield_bpm1i06X_mean vs Slug



Right In: 1.196+/-0.000 χ^2/NDF: 77527052546.0/23

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.414+/-0.000 χ^2/NDF: 104902343913.1/29

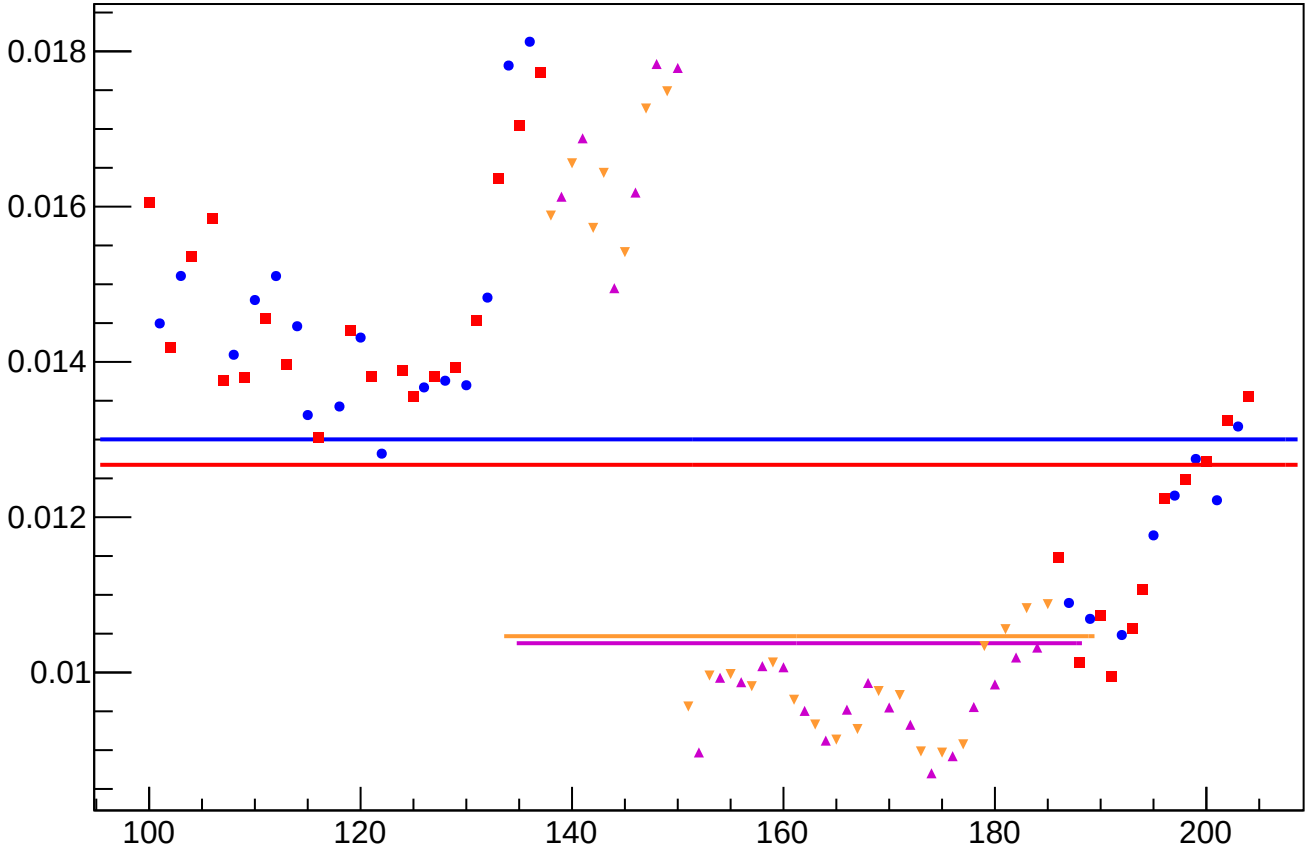
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.470+/-0.000 χ^2/NDF: 148419213339.8/48

All: 1.504+/-0.000 χ^2/NDF: 322491039075.9

- sign 1.537+/-0.000 χ^2/NDF: 173510194492.7/52

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 501944.0/23

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

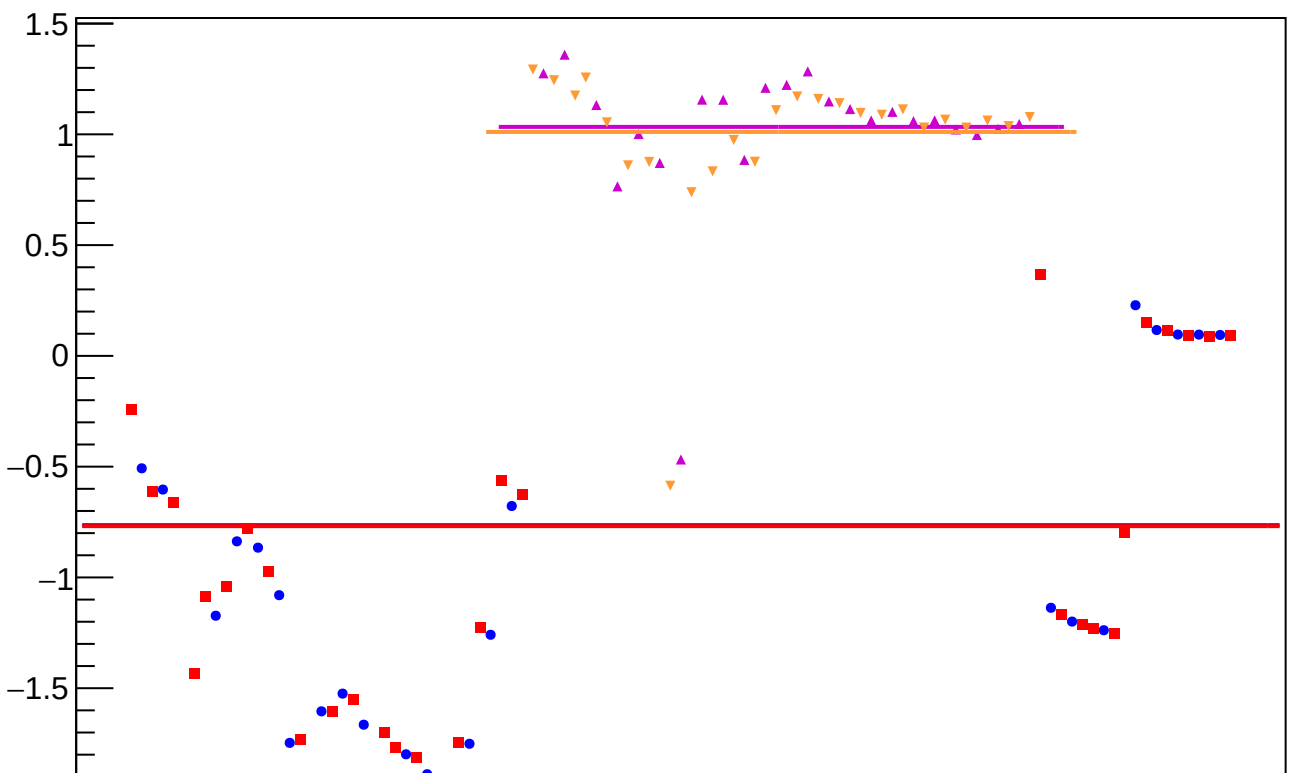
Right Out: 0.013+/-0.000 χ^2/NDF: 600957.0/29

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2832884.1/48

All: 0.011+/-0.000 χ^2/NDF: 5765156.7/101

- sign 0.011+/-0.000 χ^2/NDF: 2931837.3/52



Right In: -0.764+/-0.000 χ^2/NDF: 160201955858.0/23

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.769+/-0.000 χ^2/NDF: 156638357846.6/29

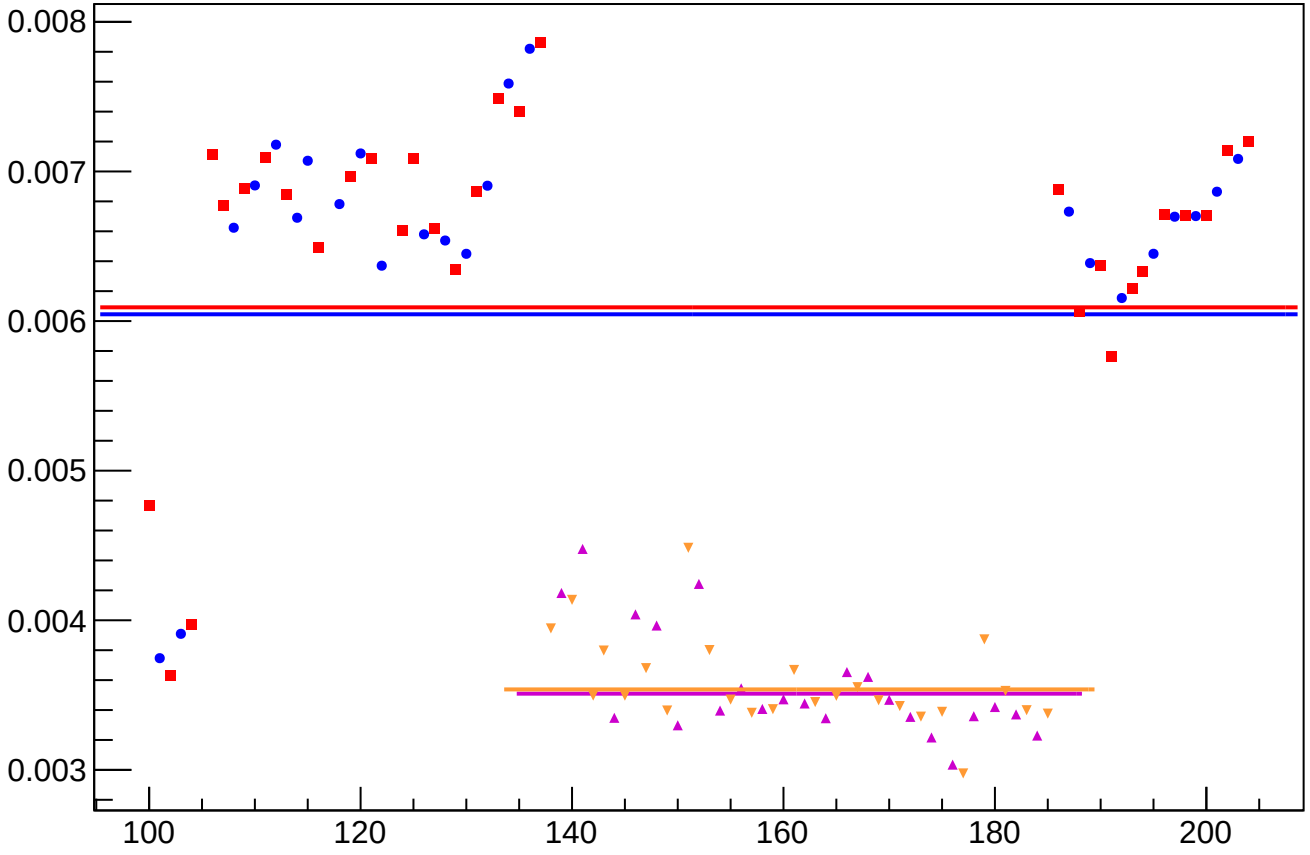
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.674+/-0.000 χ^2/NDF: 1111273230414.8/48

All: 0.656+/-0.000 χ^2/NDF: 2352747037024.

- sign 0.638+/-0.000 χ^2/NDF: 1240367124465.5/52

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1102835.6/23

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1182100.0/29

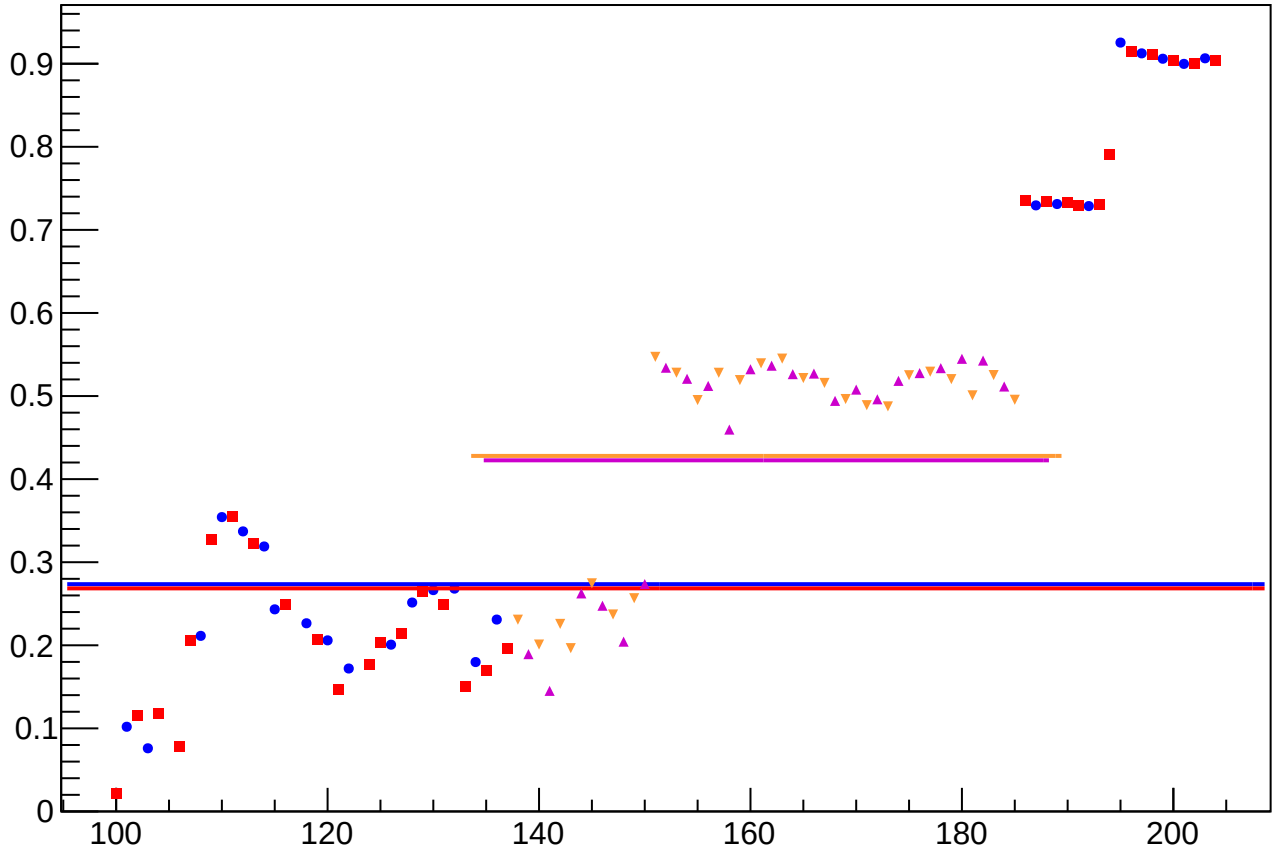
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 4669725.4/48

All: 0.004+/-0.000 χ^2/NDF: 10078815.0/101

- sign 0.004+/-0.000 χ^2/NDF: 5402350.0/52

yield_bpm2i01X_mean vs Slug



Right In: 0.274+/-0.000 χ^2/NDF: 139342637539.4/23

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.269+/-0.000 χ^2/NDF: 175991344307.0/29

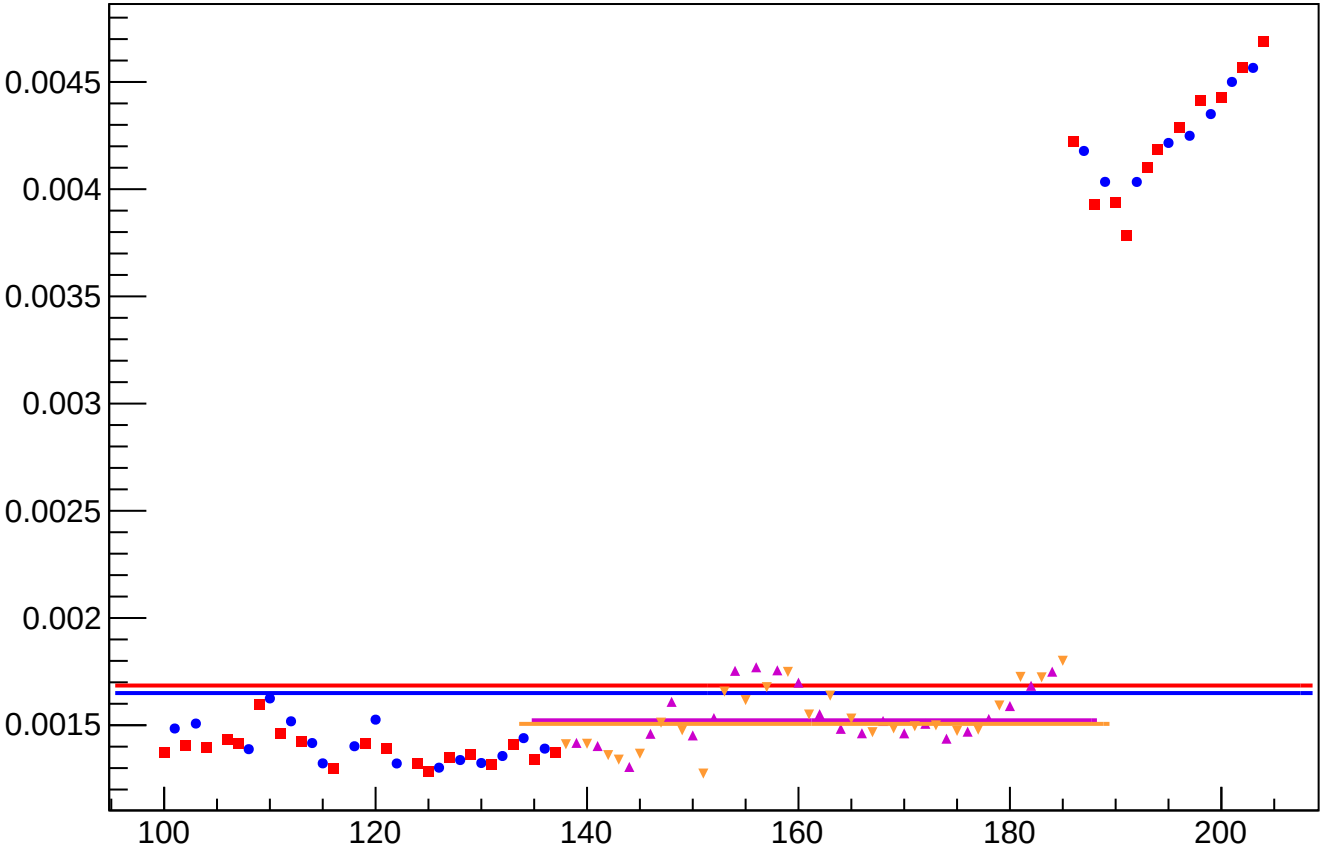
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.380+/-0.000 χ^2/NDF: 355911704175.0/48

All: 0.374+/-0.000 χ^2/NDF: 755804221217.1

- sign 0.368+/-0.000 χ^2/NDF: 399117383402.9/52

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4964236.2/23

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

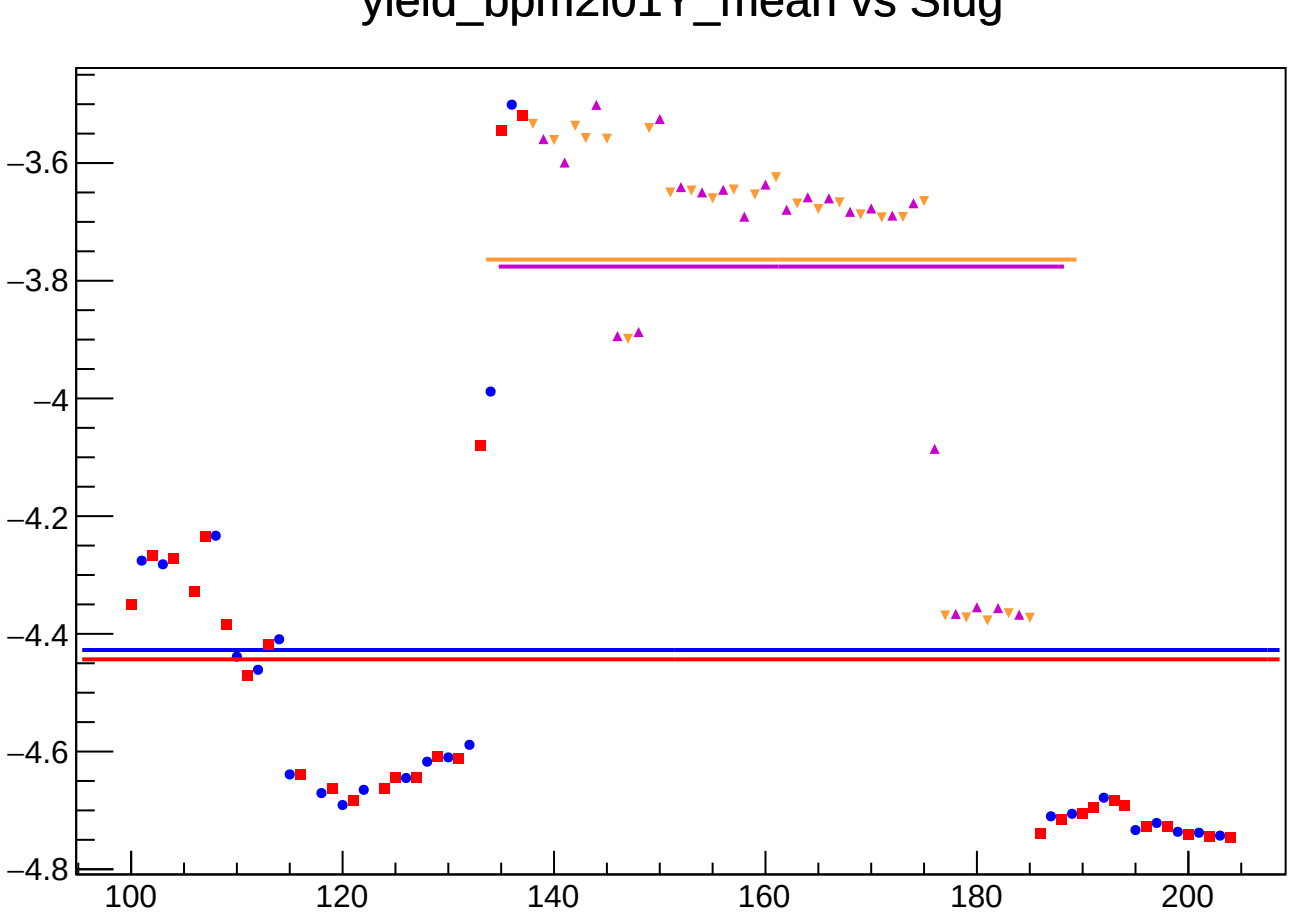
Right Out: 0.002+/-0.000 χ^2/NDF: 6504214.5/29

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 5351839.1/48

All: 0.002+/-0.000 χ^2/NDF: 12244793.6/101

- sign 0.002+/-0.000 χ^2/NDF: 6882855.2/52



Right In: -4.427+/-0.000 χ^2/NDF: 410079497713.7/23

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.443+/-0.000 χ^2/NDF: 367200980957.5/29

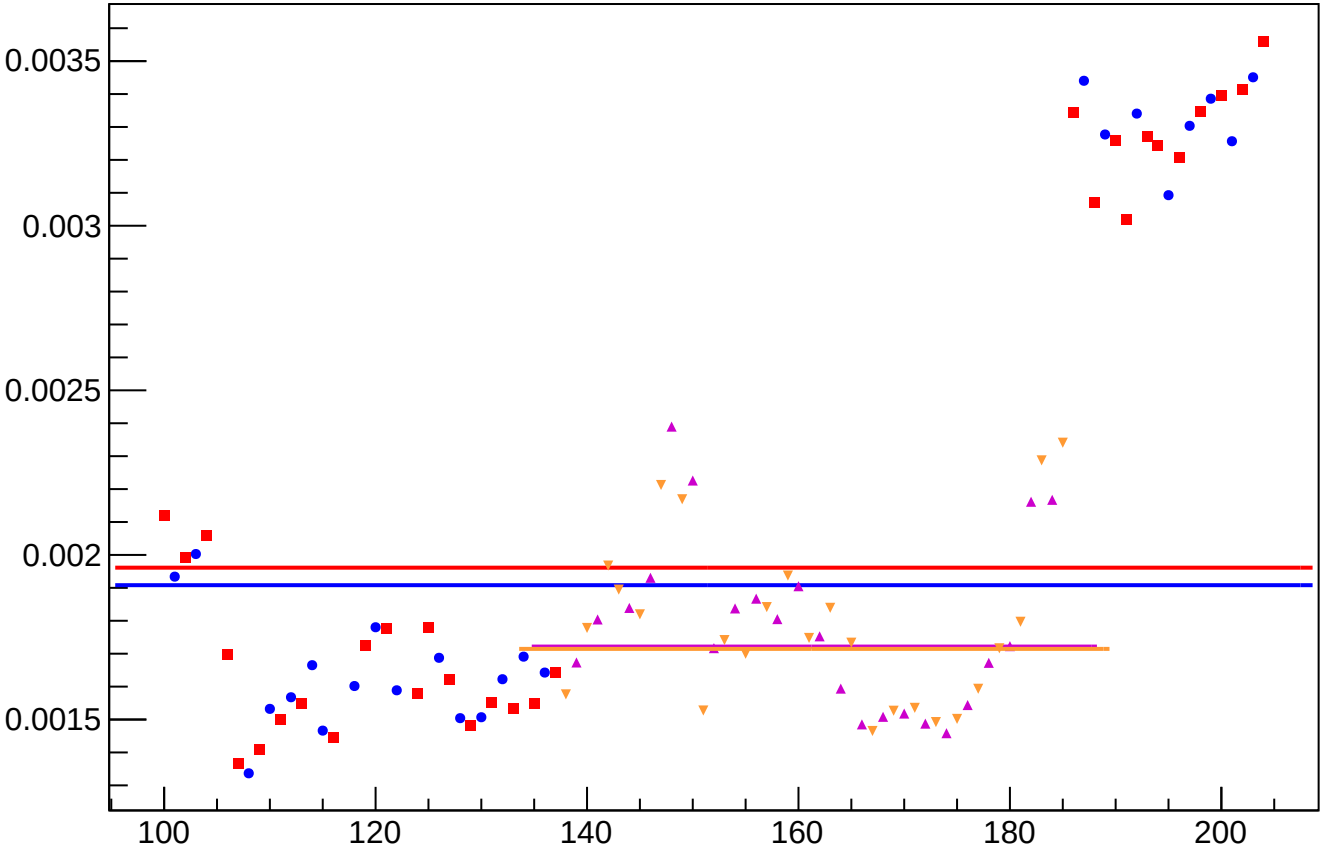
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.985+/-0.000 χ^2/NDF: 1820179280945.4/4

All: -4.004+/-0.000 χ^2/NDF: 3572437851839

- sign -4.023+/-0.000 χ^2/NDF: 1745736234347.4/52

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2686972.2/23

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3461359.6/29

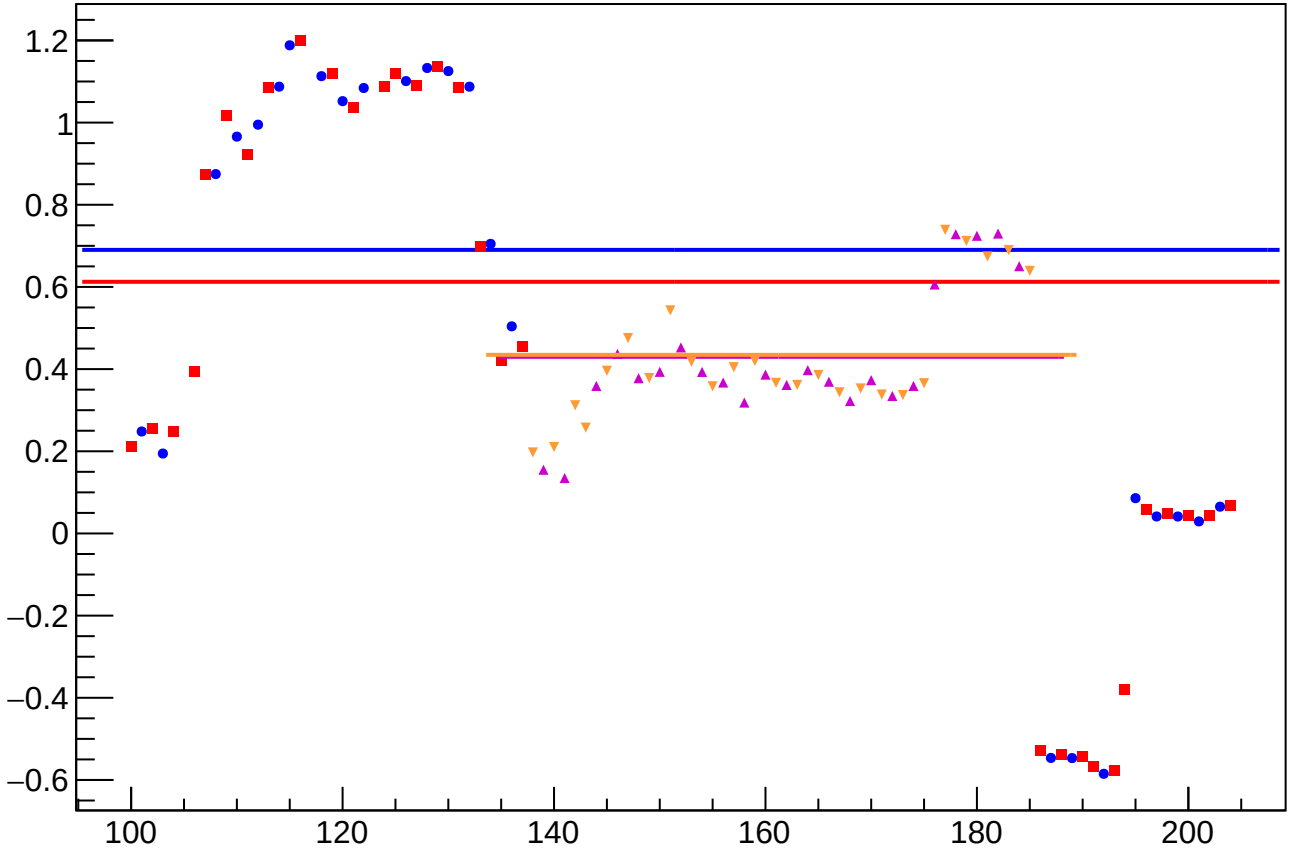
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 3406998.0/48

All: 0.002+/-0.000 χ^2/NDF: 7711002.7/101

- sign 0.002+/-0.000 χ^2/NDF: 4294917.2/52

yield_bpm2i02X_mean vs Slug



Right In: 0.690+/-0.000 χ^2/NDF: 61781434721.7/23

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.613+/-0.000 χ^2/NDF: 84973669292.5/29

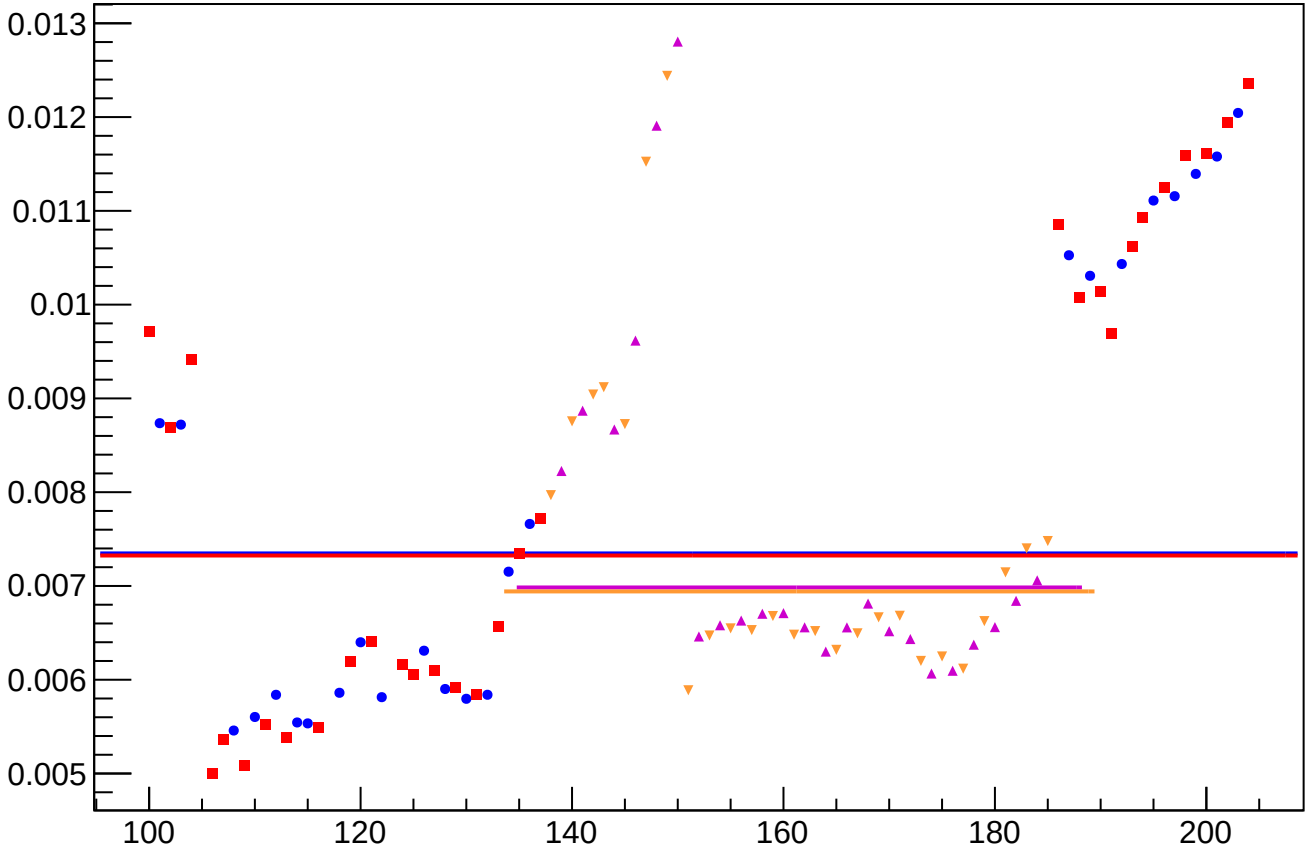
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.528+/-0.000 χ^2/NDF: 79562119517.4/48

All: 0.517+/-0.000 χ^2/NDF: 178771661390.4

- sign 0.506+/-0.000 χ^2/NDF: 99058911999.3/52

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 2100529.6/23

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

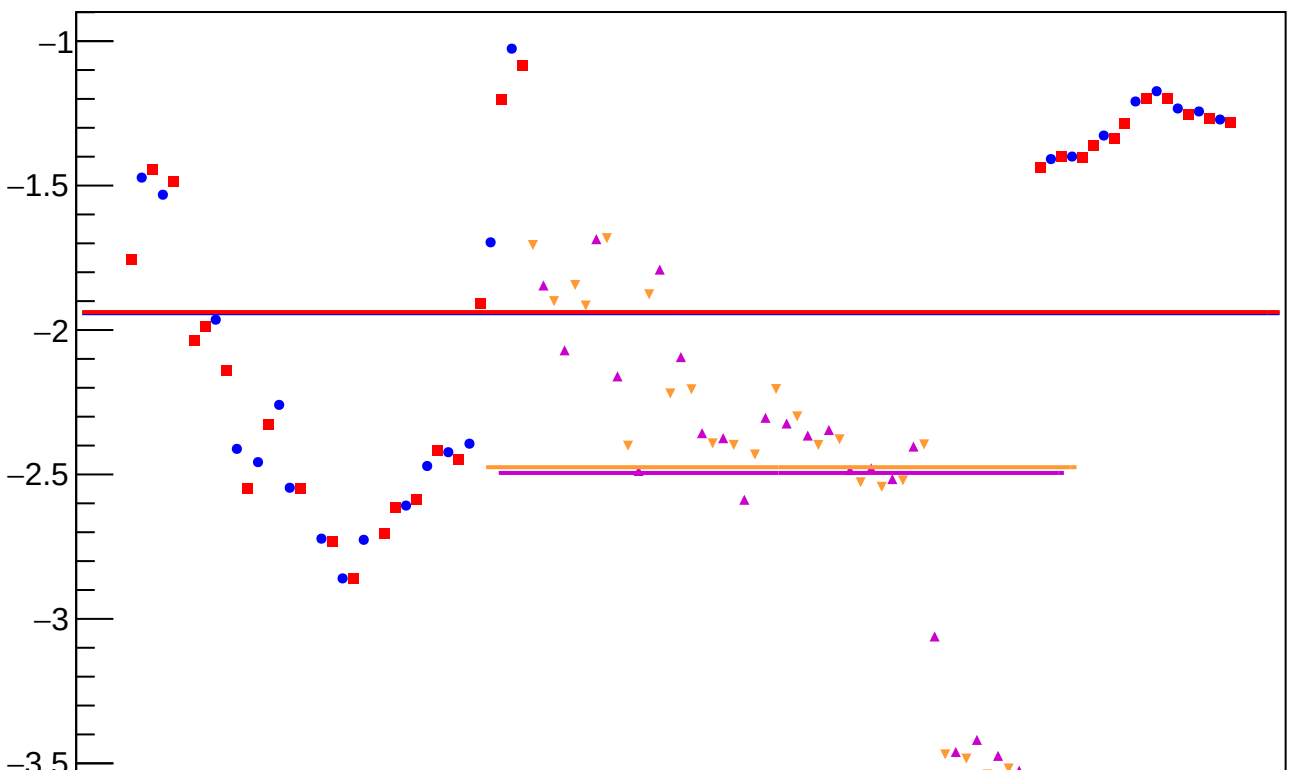
Right Out: 0.007+/-0.000 χ^2/NDF: 2902168.7/29

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 3238055.9/48

All: 0.007+/-0.000 χ^2/NDF: 7312728.3/101

- sign 0.007+/-0.000 χ^2/NDF: 4073867.9/52



Right In: -1.942+/-0.000 χ^2/NDF: 101888605730.9/23

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.938+/-0.000 χ^2/NDF: 102568625186.0/29

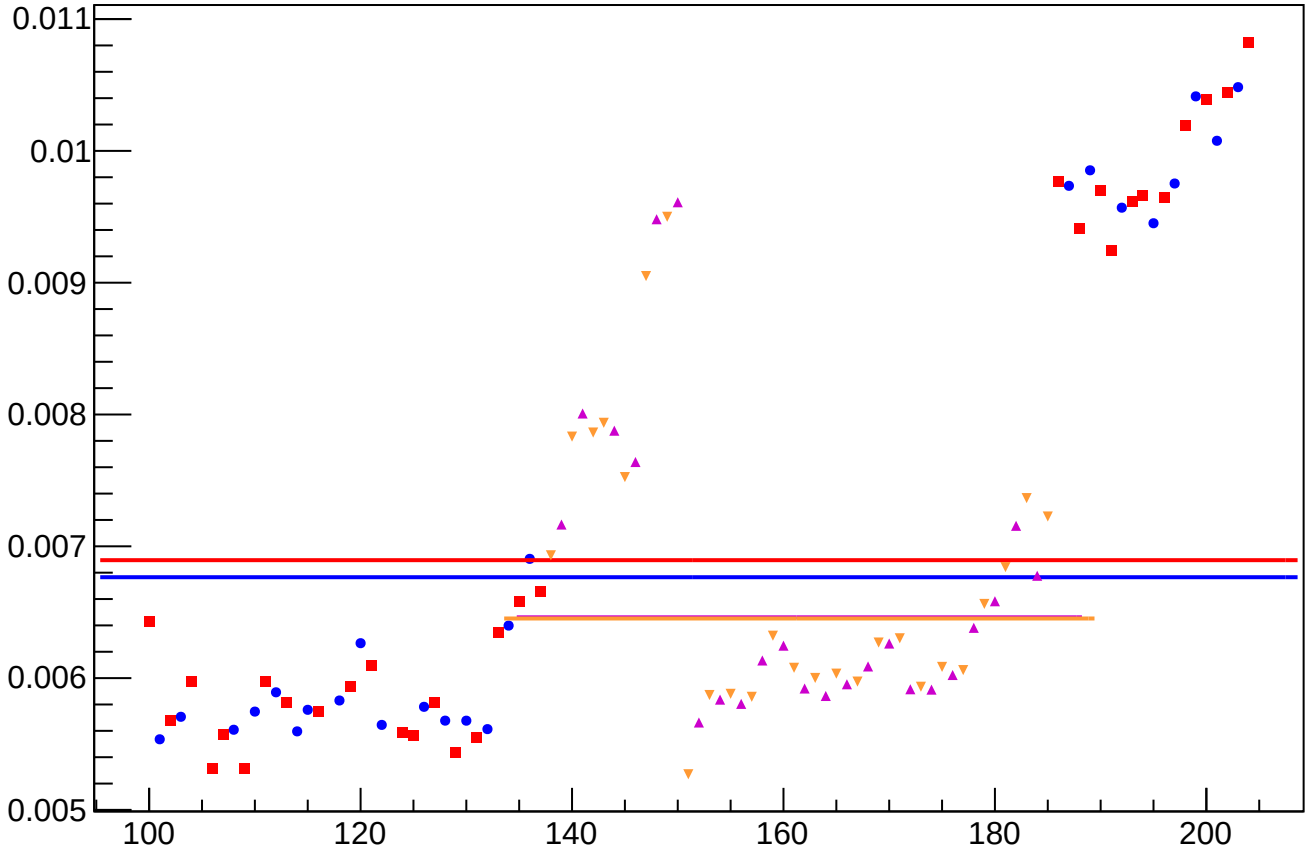
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.276+/-0.000 χ^2/NDF: 273006538714.8/48

All: -2.270+/-0.000 χ^2/NDF: 527393369133.9

- sign -2.265+/-0.000 χ^2/NDF: 254338921053.6/52

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 1621807.5/23

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2102328.1/29

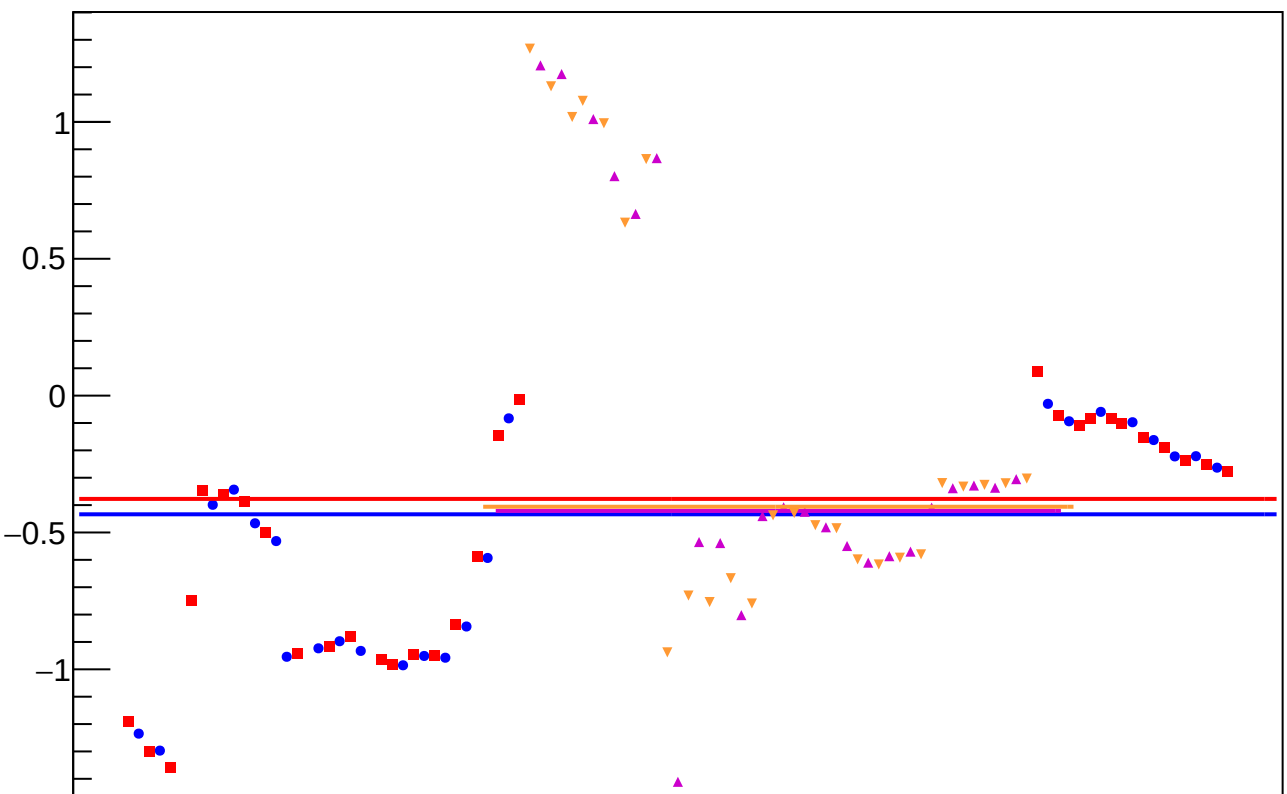
Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 2368288.4/48

All: 0.007+/-0.000 χ^2/NDF: 5261583.4/101

- sign 0.007+/-0.000 χ^2/NDF: 2889591.7/52

yield_bpm0i01X_mean vs Slug



Right In: -0.434+/-0.000 χ^2/NDF: 23682325569.1/23

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.377+/-0.000 χ^2/NDF: 26976115238.7/29

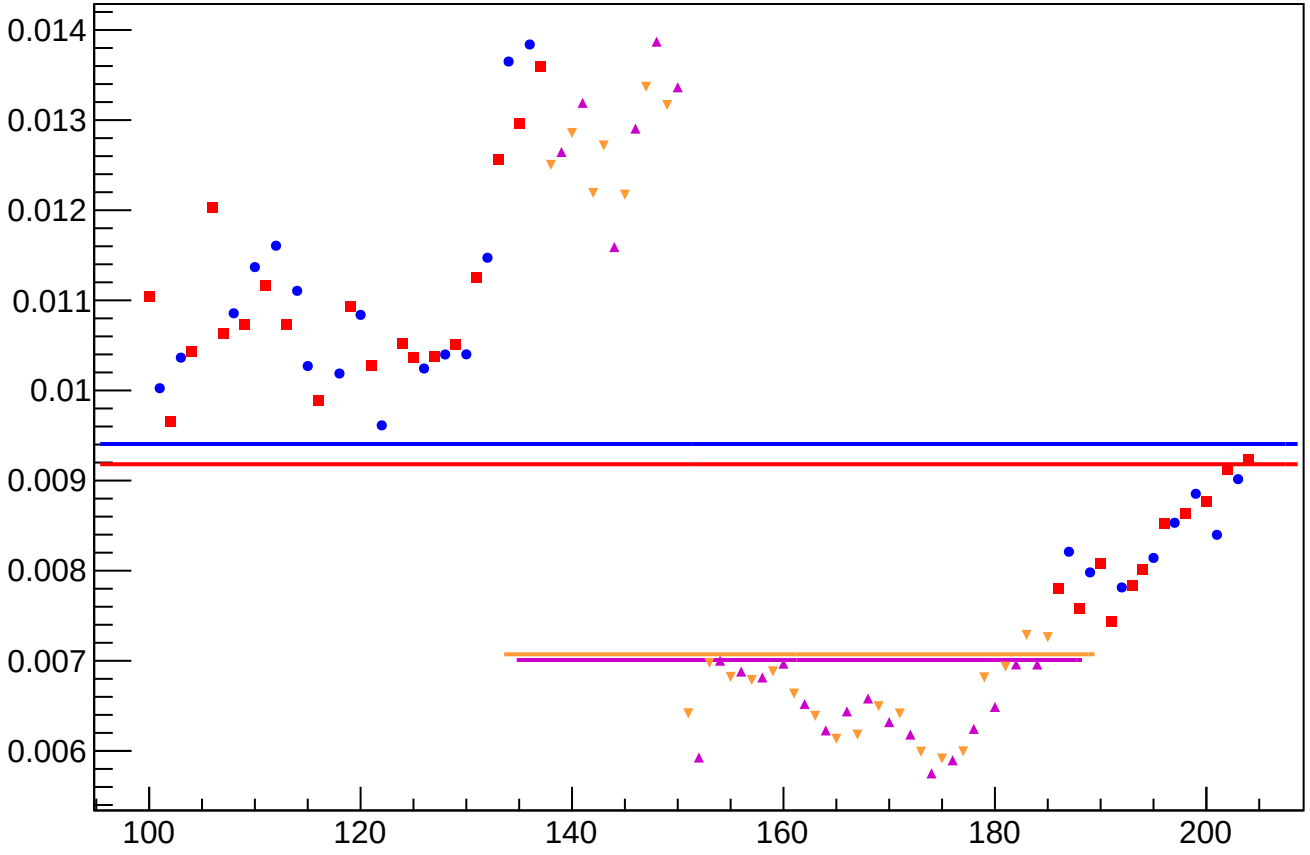
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.414+/-0.000 χ^2/NDF: 105393916626.6/48

All: -0.410+/-0.000 χ^2/NDF: 222848478078.

- sign -0.406+/-0.000 χ^2/NDF: 117439973009.5/52

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 625235.2/23

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

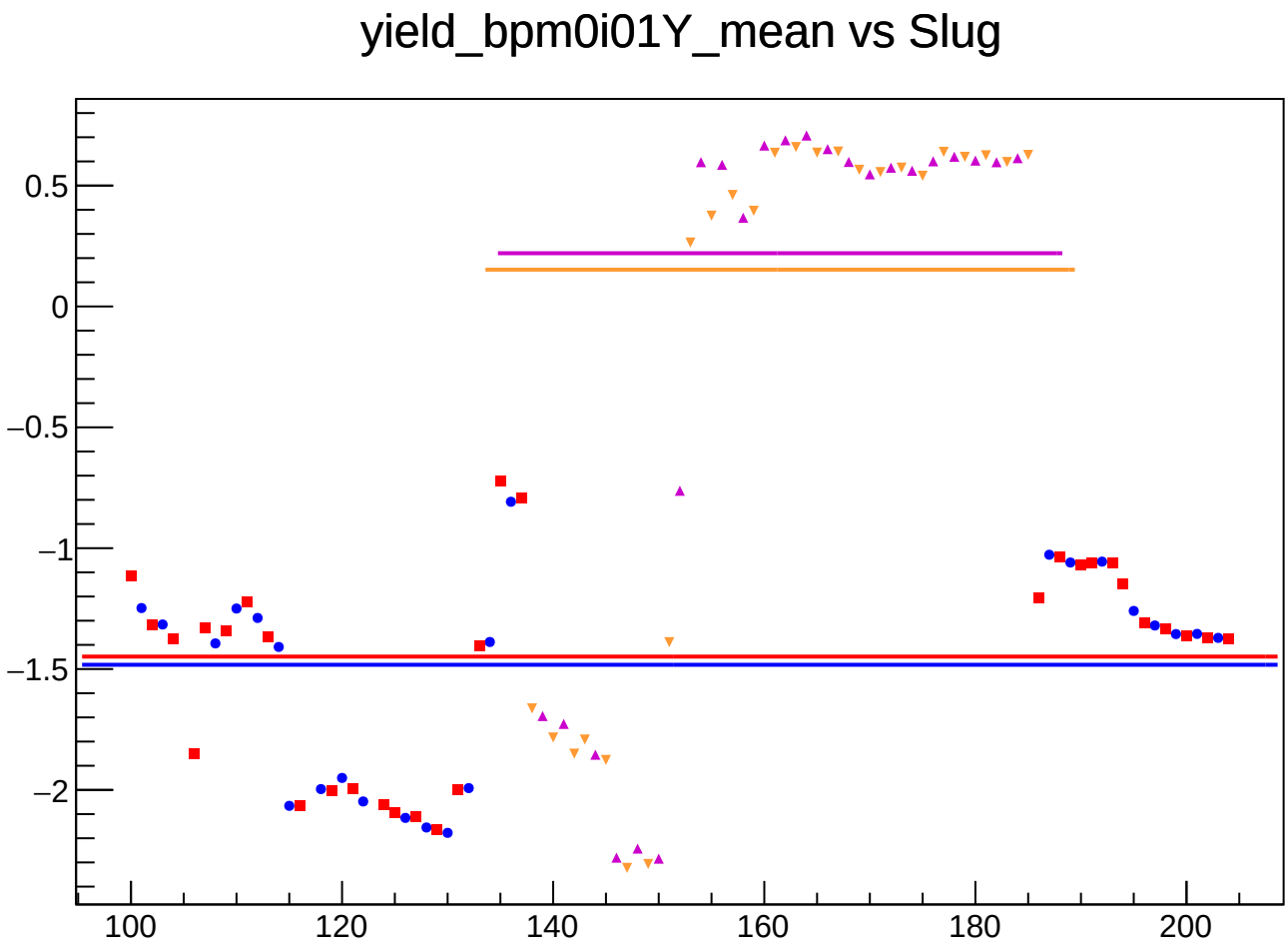
Right Out: 0.009+/-0.000 χ^2/NDF: 675256.8/29

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4120763.1/48

All: 0.008+/-0.000 χ^2/NDF: 8345316.7/101

- sign 0.008+/-0.000 χ^2/NDF: 4224546.7/52



Right In: -1.482+/-0.000 χ^2/NDF: 182327972049.3/23

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.449+/-0.000 χ^2/NDF: 172023048373.1/29

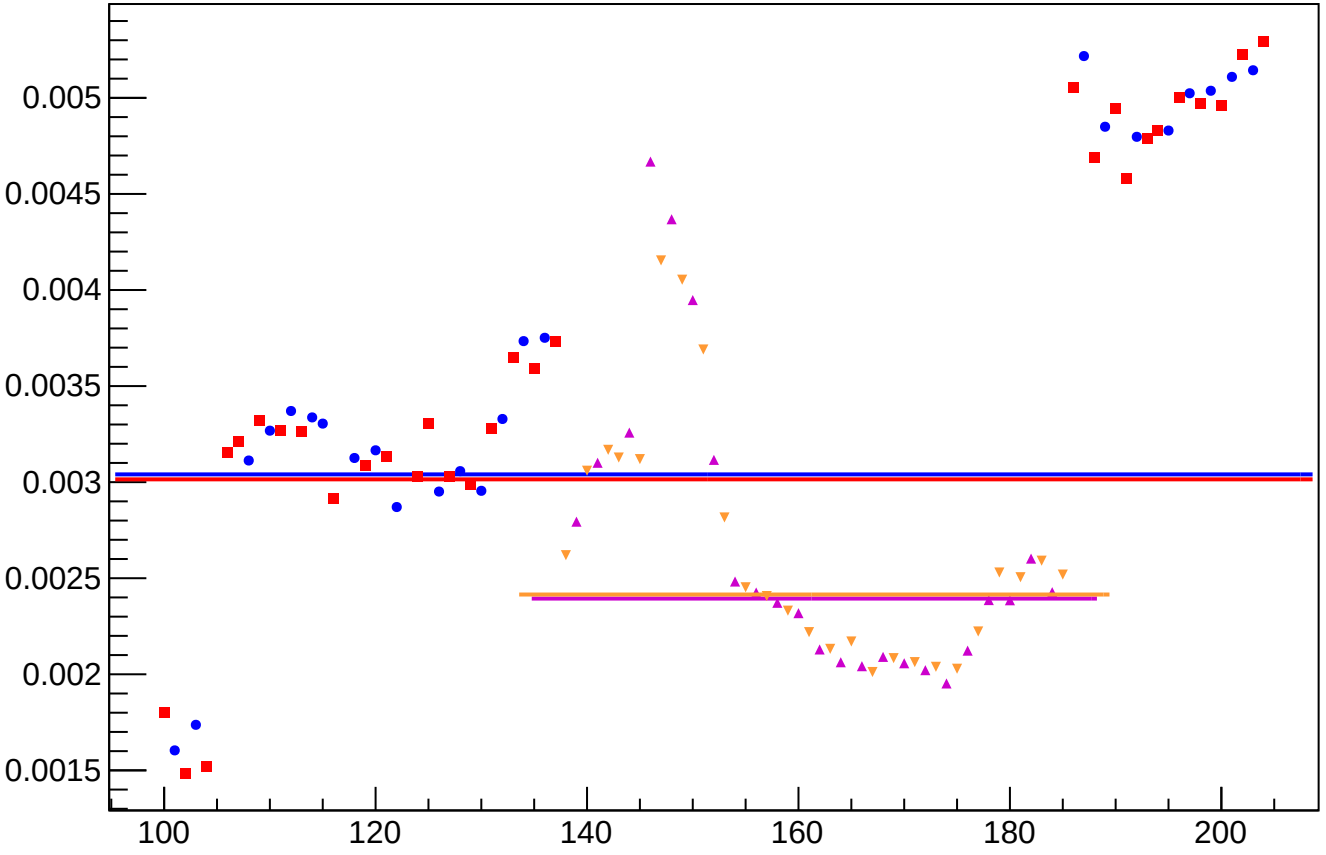
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.312+/-0.000 χ^2/NDF: 4803676578737.8/4

All: -0.316+/-0.000 χ^2/NDF: 9610386129493

- sign -0.320+/-0.000 χ^2/NDF: 4806596138020.4/52

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3365967.6/23

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4662164.5/29

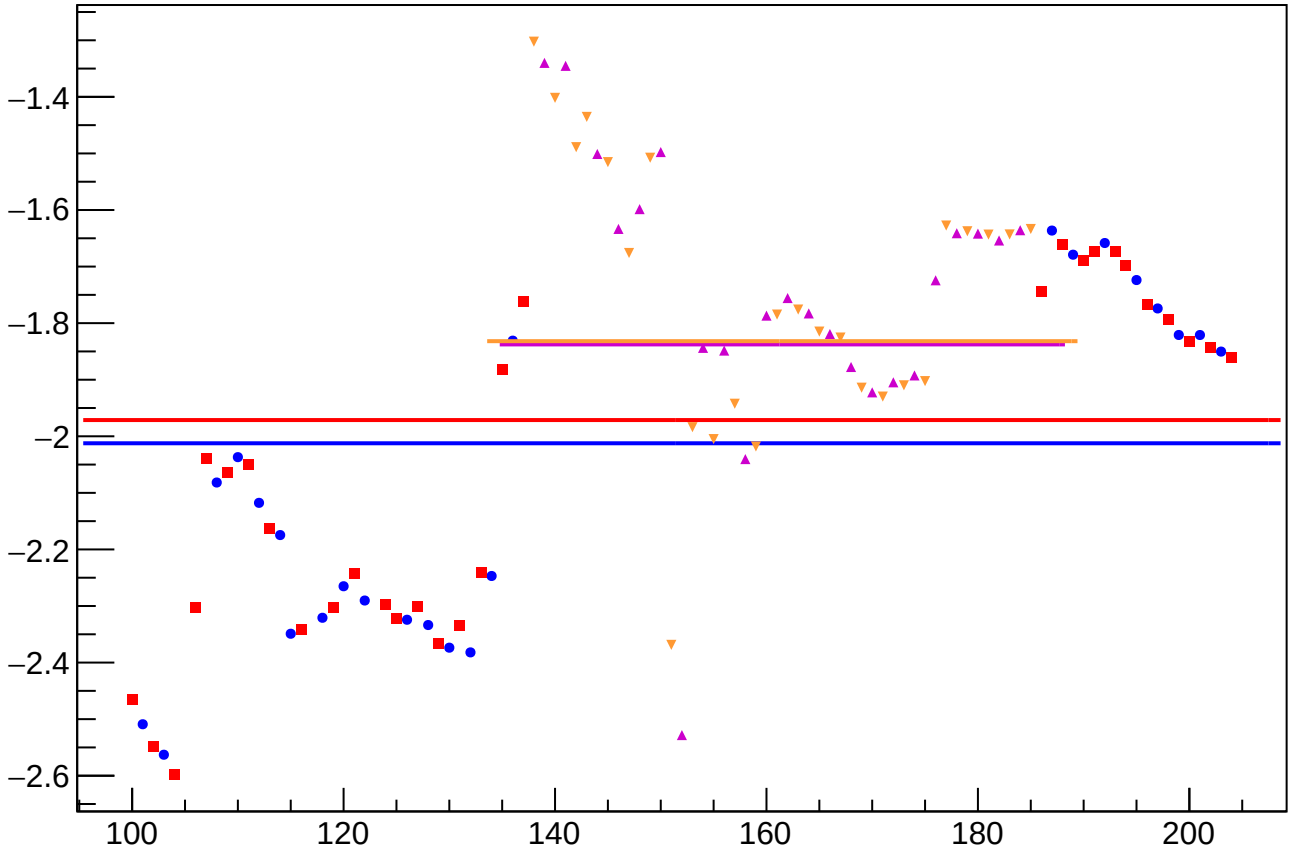
Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 5236763.3/48

All: 0.003+/-0.000 χ^2/NDF: 12003373.5/101

- sign 0.003+/-0.000 χ^2/NDF: 6766593.9/52

yield_bpm0i01aX_mean vs Slug



Right In: -2.012+/-0.000 χ^2/NDF: 32111267054.9/23

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

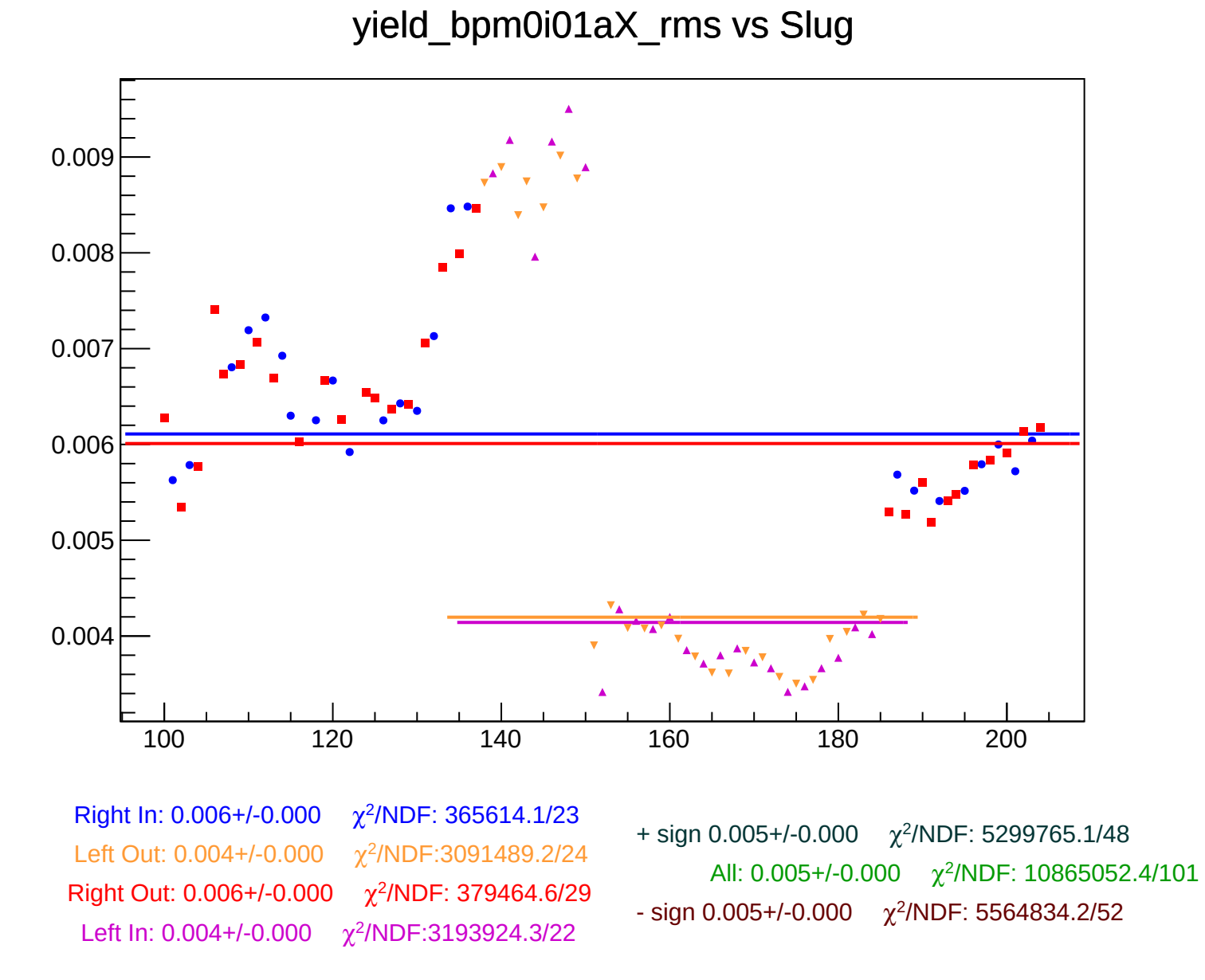
Right Out: -1.971+/-0.000 χ^2/NDF: 37106113024.3/29

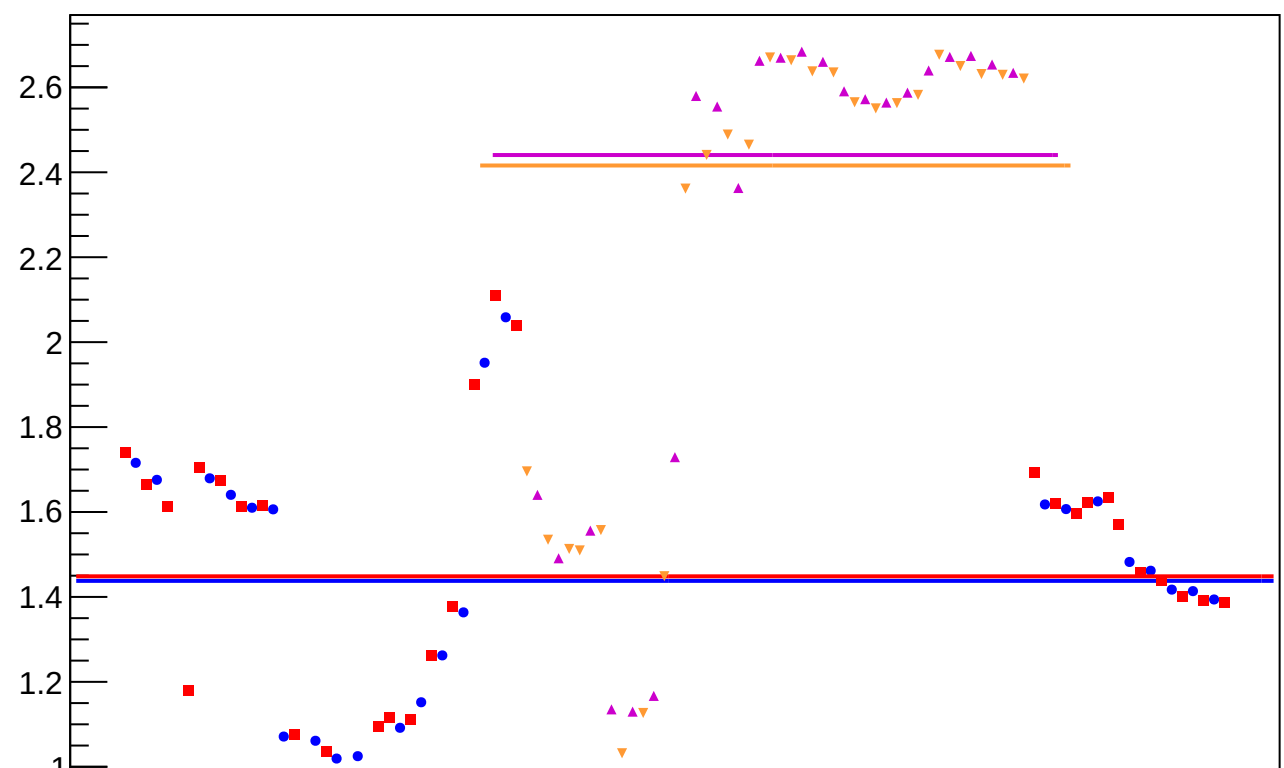
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.878+/-0.000 χ^2/NDF: 78680833865.0/48

All: -1.878+/-0.000 χ^2/NDF: 174329647072.8

- sign -1.878+/-0.000 χ^2/NDF: 95648761550.4/52


yield_bpm0i01aX_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
100
120
140
160
180
200
Right In: 0.006+/-0.000 χ²/NDF: 365614.1/23
Left Out: 0.004+/-0.000 χ²/NDF:3091489.2/24
Right Out: 0.006+/-0.000 χ²/NDF: 379464.6/29
Left In: 0.004+/-0.000 χ²/NDF:3193924.3/22
+ sign 0.005+/-0.000 χ²/NDF: 5299765.1/48
All: 0.005+/-0.000 χ²/NDF: 10865052.4/101
- sign 0.005+/-0.000 χ²/NDF: 5564834.2/52



Right In: 1.438+/-0.000 χ^2/NDF: 191365447156.6/23

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.449+/-0.000 χ^2/NDF: 186557943934.4/29

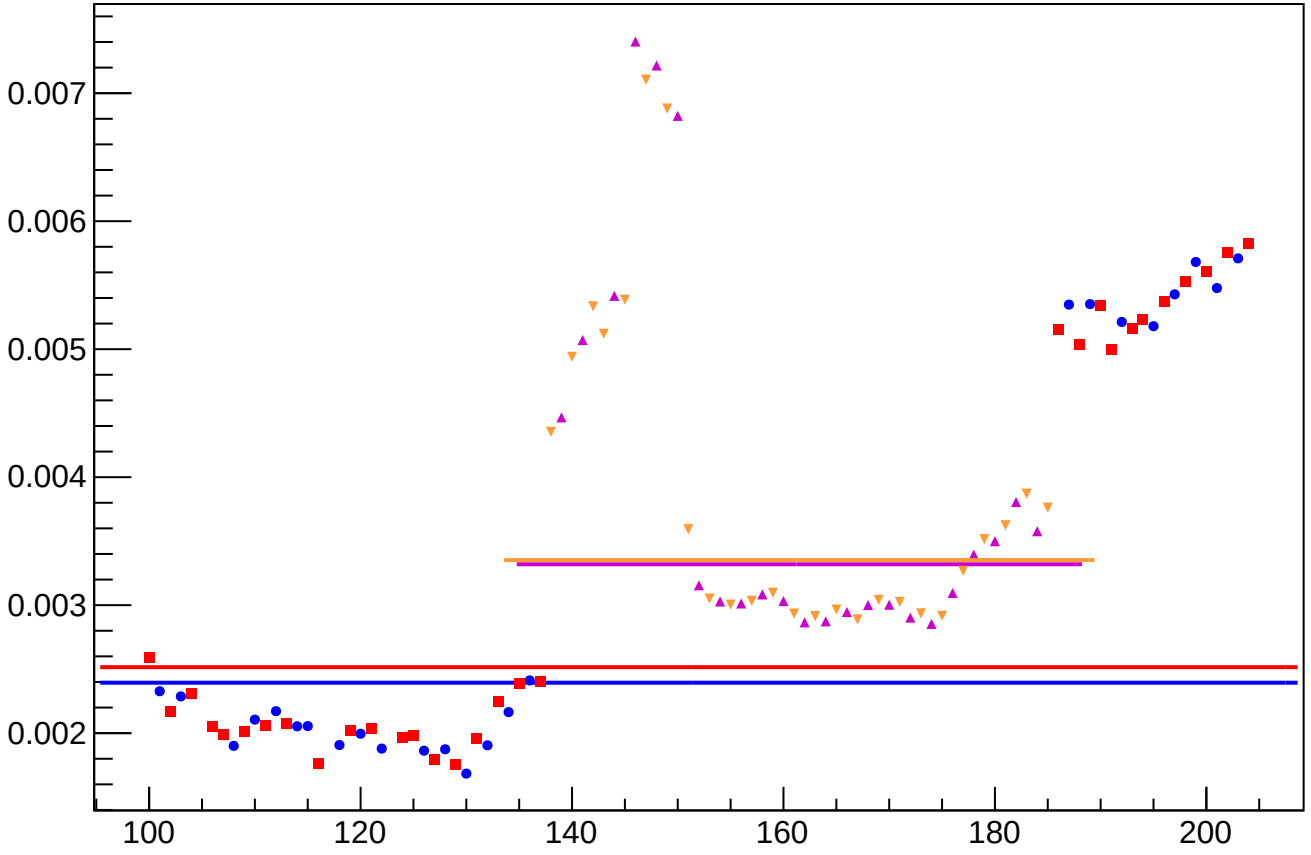
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.887+/-0.000 χ^2/NDF: 1237275226162.9/48

All: 1.885+/-0.000 χ^2/NDF: 2475795058853.

- sign 1.883+/-0.000 χ^2/NDF: 1238486512152.9/52

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4300170.5/23

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

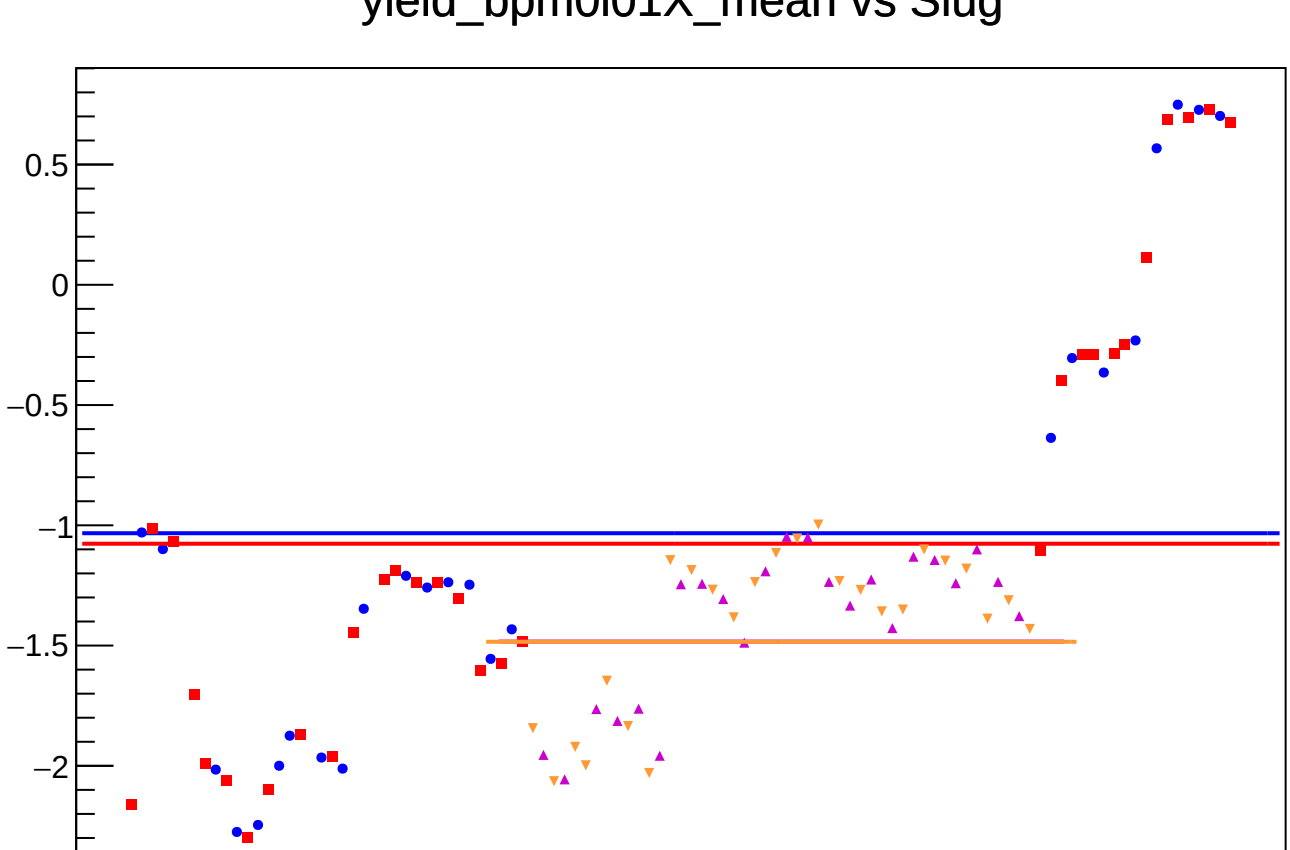
Right Out: 0.003+/-0.000 χ^2/NDF: 5365294.5/29

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 7660820.1/48

All: 0.003+/-0.000 χ^2/NDF: 16163051.5/101

- sign 0.003+/-0.000 χ^2/NDF: 8498540.5/52



Right In: -1.033+/-0.000 χ^2/NDF: 150352709631.6/23

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.077+/-0.000 χ^2/NDF: 193564648075.2/29

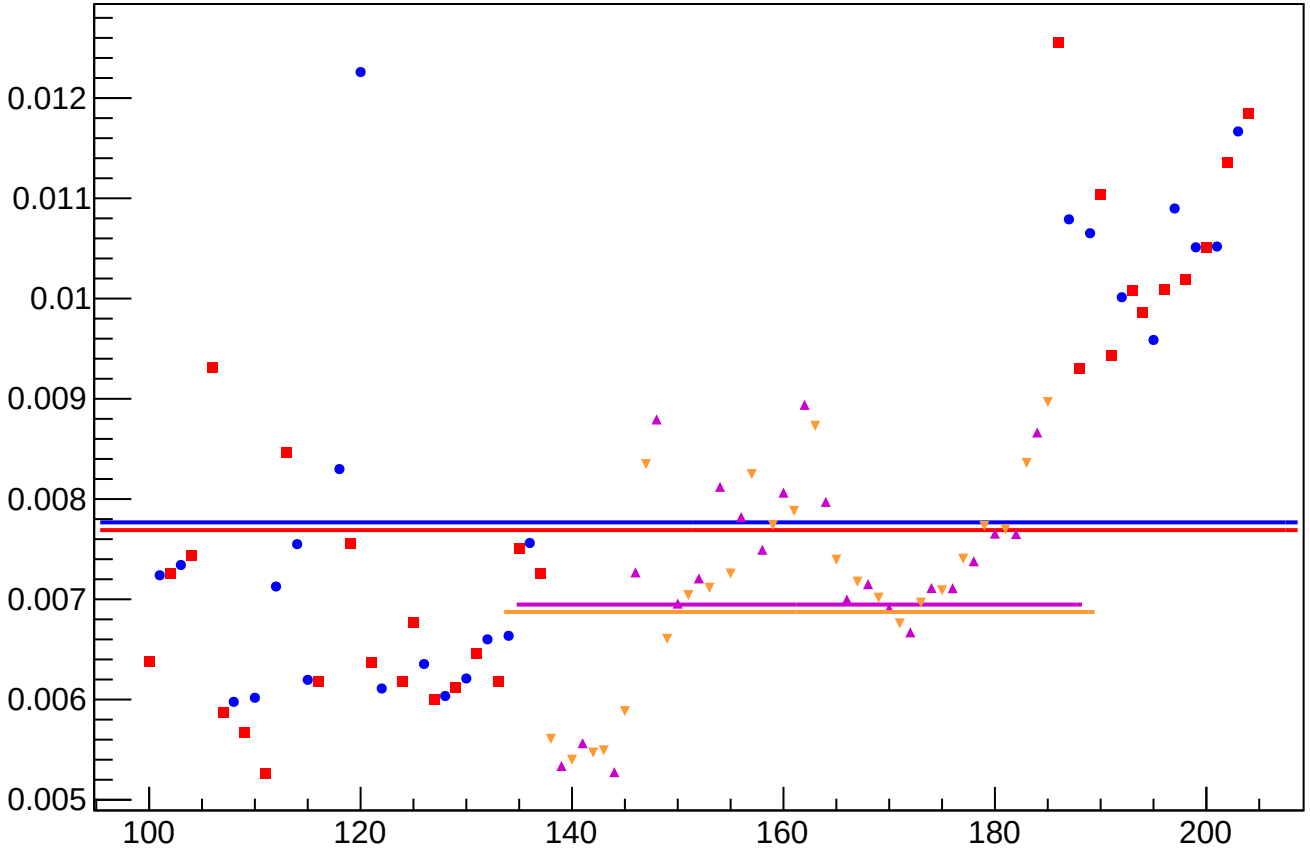
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.332+/-0.000 χ^2/NDF: 225066209029.2/48

All: -1.327+/-0.000 χ^2/NDF: 482276988736.2

- sign -1.321+/-0.000 χ^2/NDF: 257175068350.0/52

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1330573.3/23

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

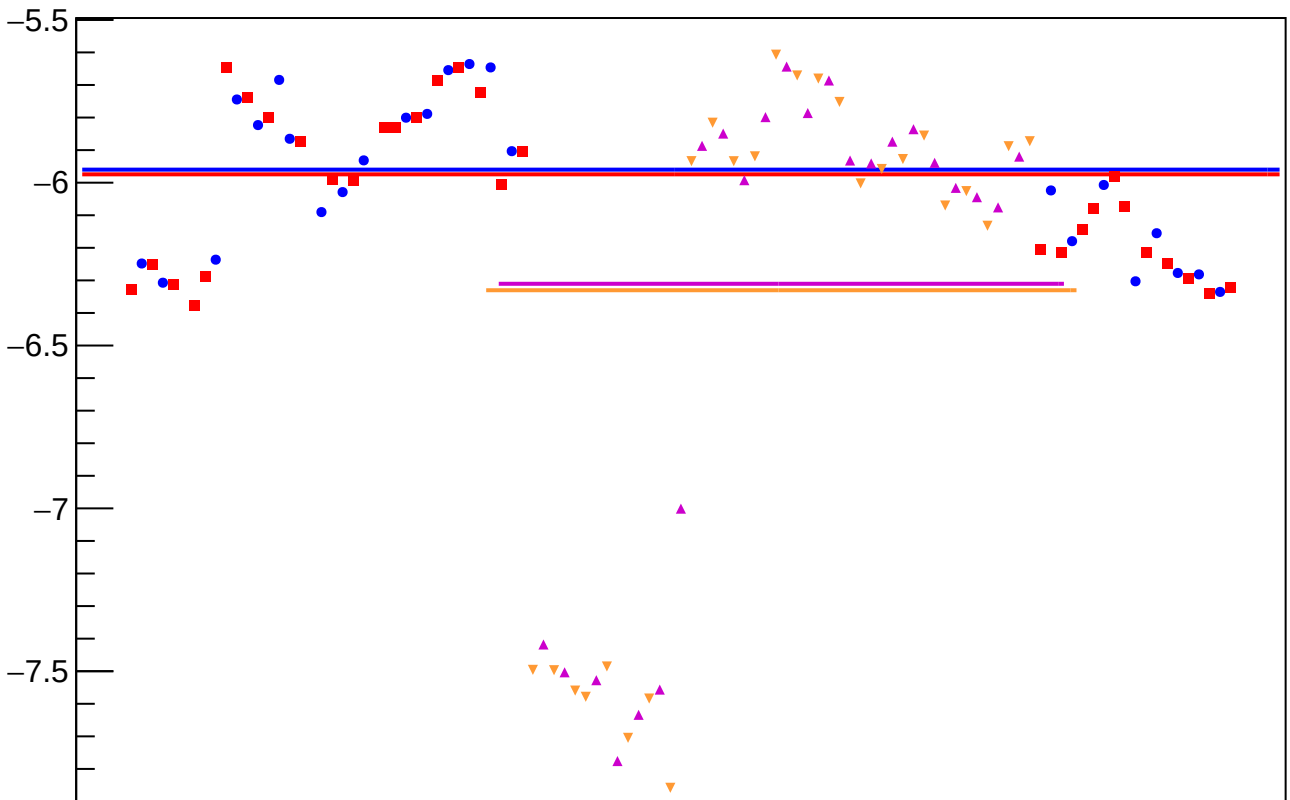
Right Out: 0.008+/-0.000 χ^2/NDF: 1799302.9/29

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 2282146.5/48

All: 0.007+/-0.000 χ^2/NDF: 4985953.9/101

- sign 0.007+/-0.000 χ^2/NDF: 2701050.1/52



Right In: -5.960+/-0.000 χ^2/NDF: 14493478932.6/23

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.974+/-0.000 χ^2/NDF: 15791109620.9/29

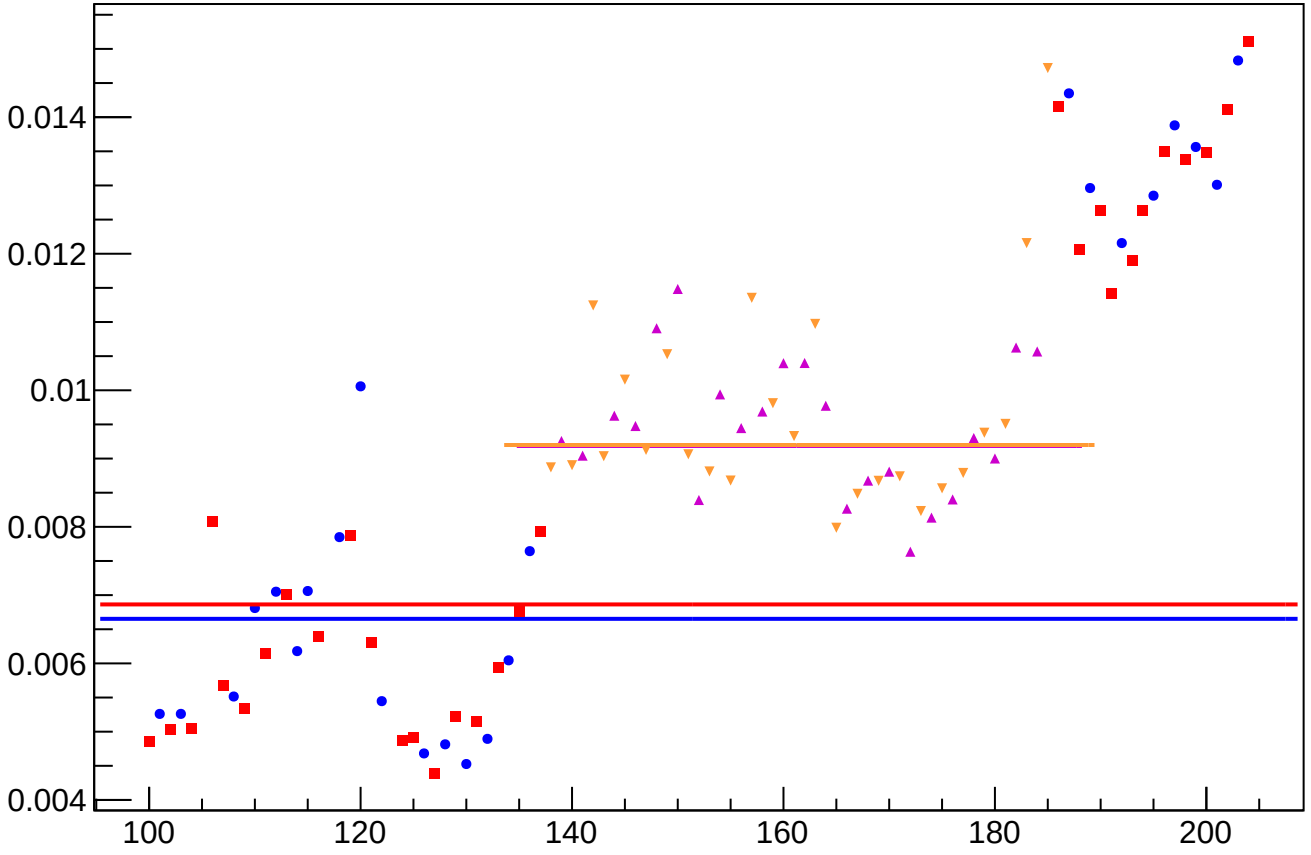
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.127+/-0.000 χ^2/NDF: 139143773844.3/48

All: -6.121+/-0.000 χ^2/NDF: 258678642399.9

- sign -6.115+/-0.000 χ^2/NDF: 119499230605.2/52

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3855491.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 4606659.0/29

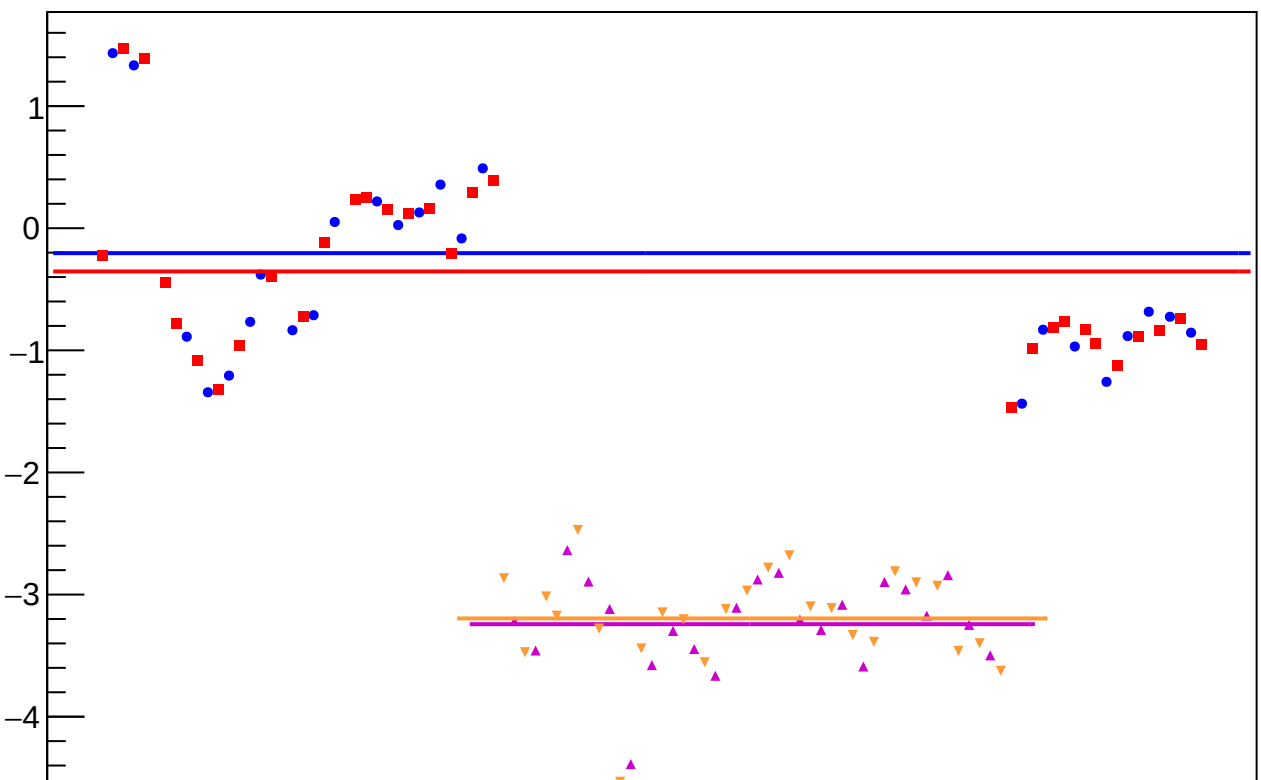
Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 5576435.6/48

All: 0.008+/-0.000 χ^2/NDF: 11648765.2/101

- sign 0.008+/-0.000 χ^2/NDF: 6072008.4/52

yield_bpm0l02X_mean vs Slug



Right In: -0.204+/-0.000 χ^2/NDF: 31471875379.8/23

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.354+/-0.000 χ^2/NDF: 34639810677.6/29

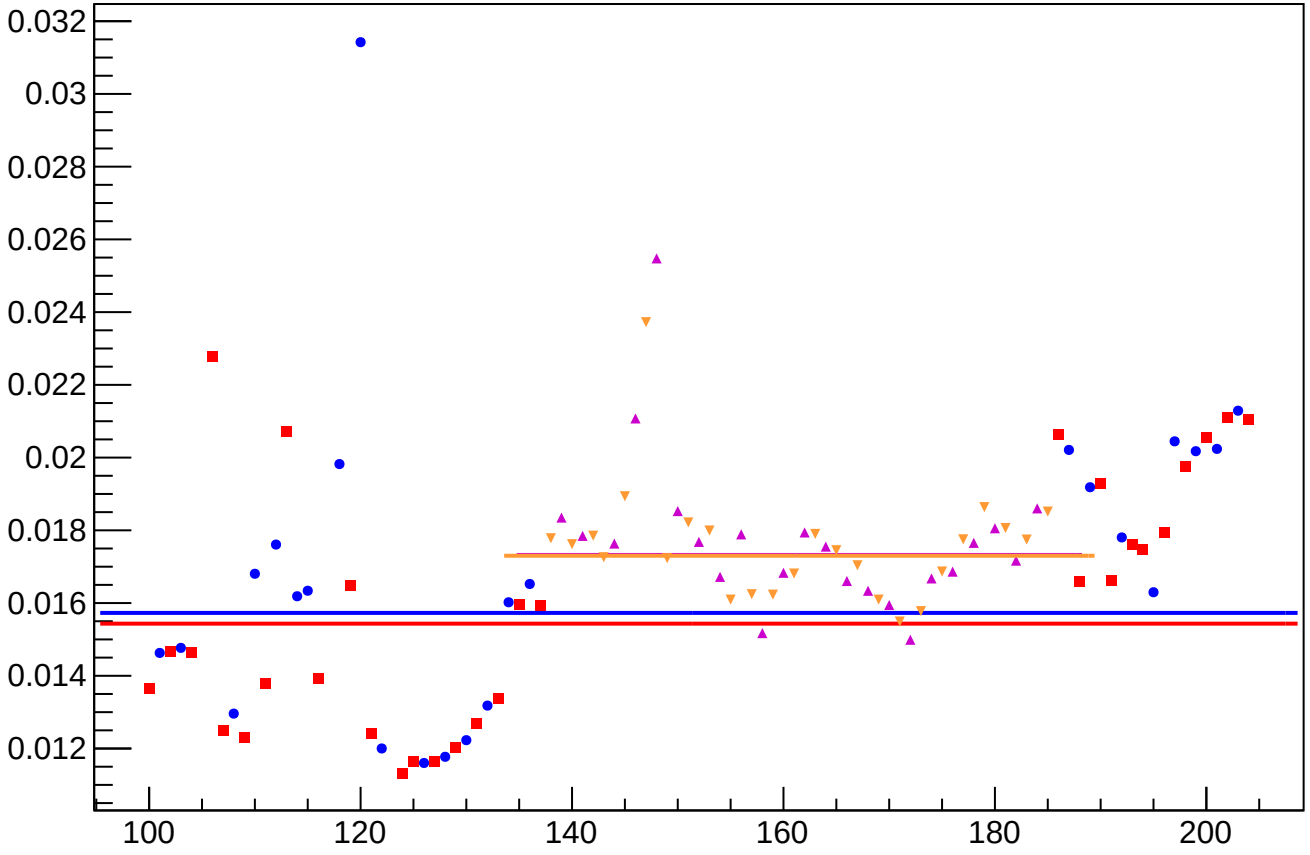
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.894+/-0.000 χ^2/NDF: 282597775468.4/48

All: -1.840+/-0.000 χ^2/NDF: 570926932346.5

- sign -1.789+/-0.000 χ^2/NDF: 287705951568.9/52

yield_bpm0l02X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 1085448.1/23

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.015+/-0.000 χ^2/NDF: 1190545.7/29

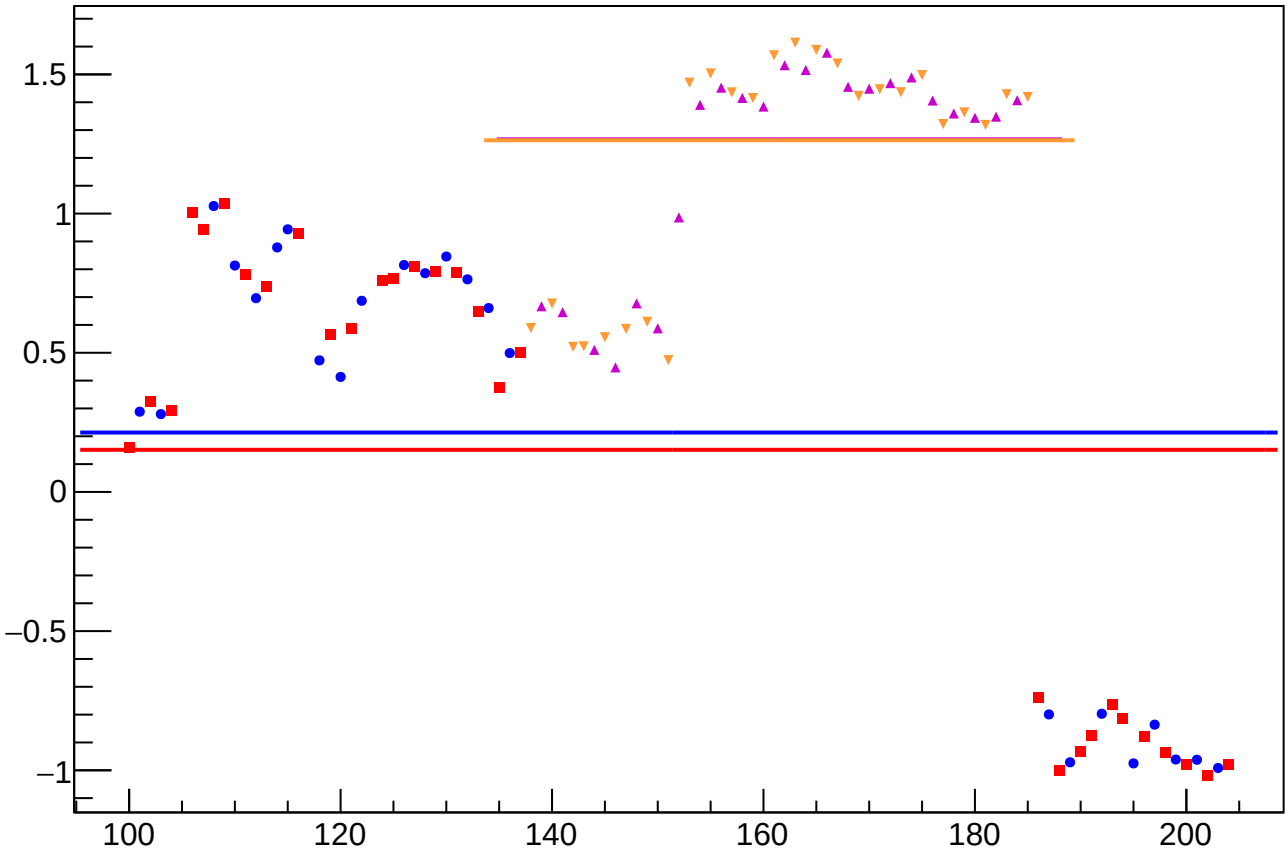
Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.017+/-0.000 χ^2/NDF: 1436900.0/48

All: 0.016+/-0.000 χ^2/NDF: 3173720.5/101

- sign 0.016+/-0.000 χ^2/NDF: 1730020.0/52

yield_bpm0l02Y_mean vs Slug



Right In: 0.213+/-0.000 χ^2/NDF: 63302560221.6/23

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.151+/-0.000 χ^2/NDF: 81232947043.4/29

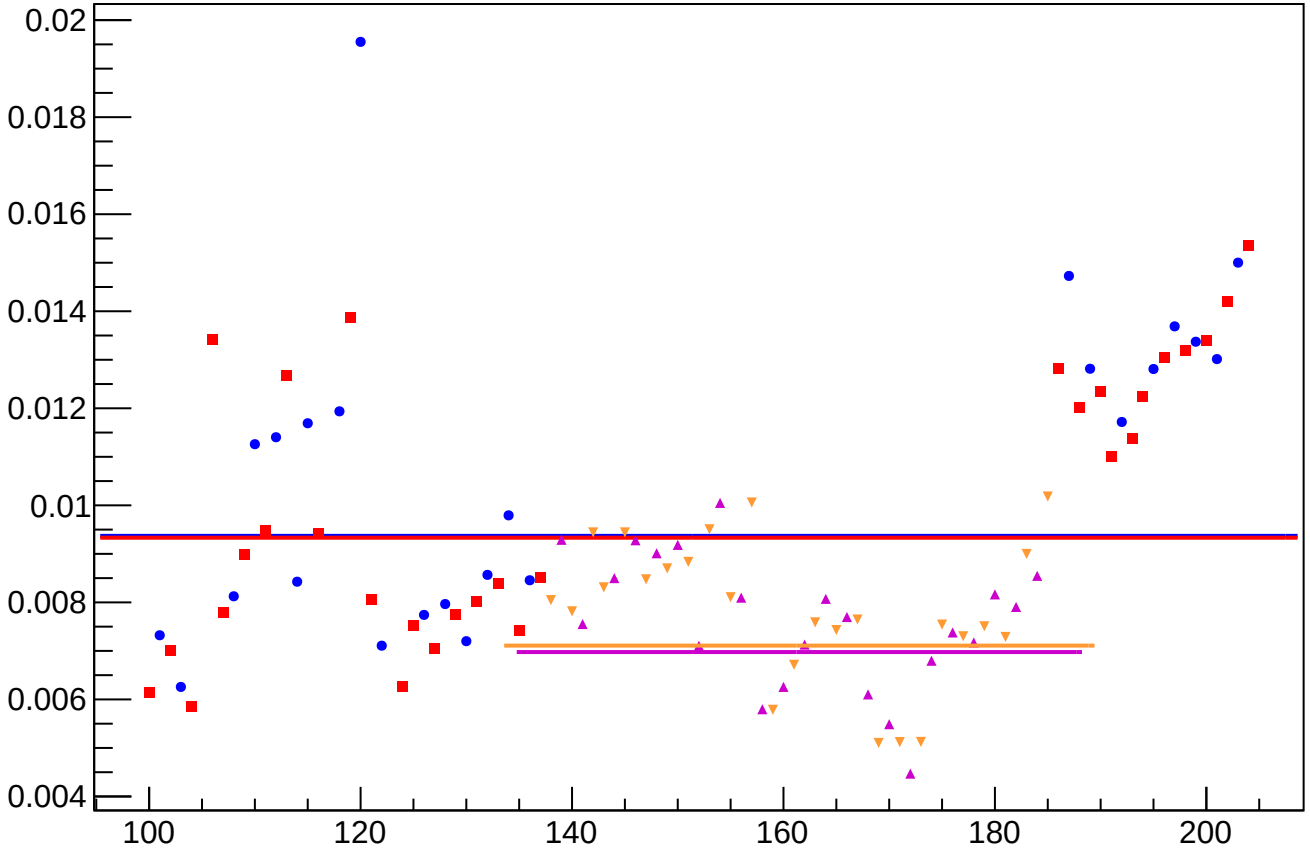
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 0.974+/-0.000 χ^2/NDF: 211052558615.3/48

All: 0.946+/-0.000 χ^2/NDF: 460296924905.6

- sign 0.919+/-0.000 χ^2/NDF: 248507386456.4/52

yield_bpm0l02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1918687.4/23

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

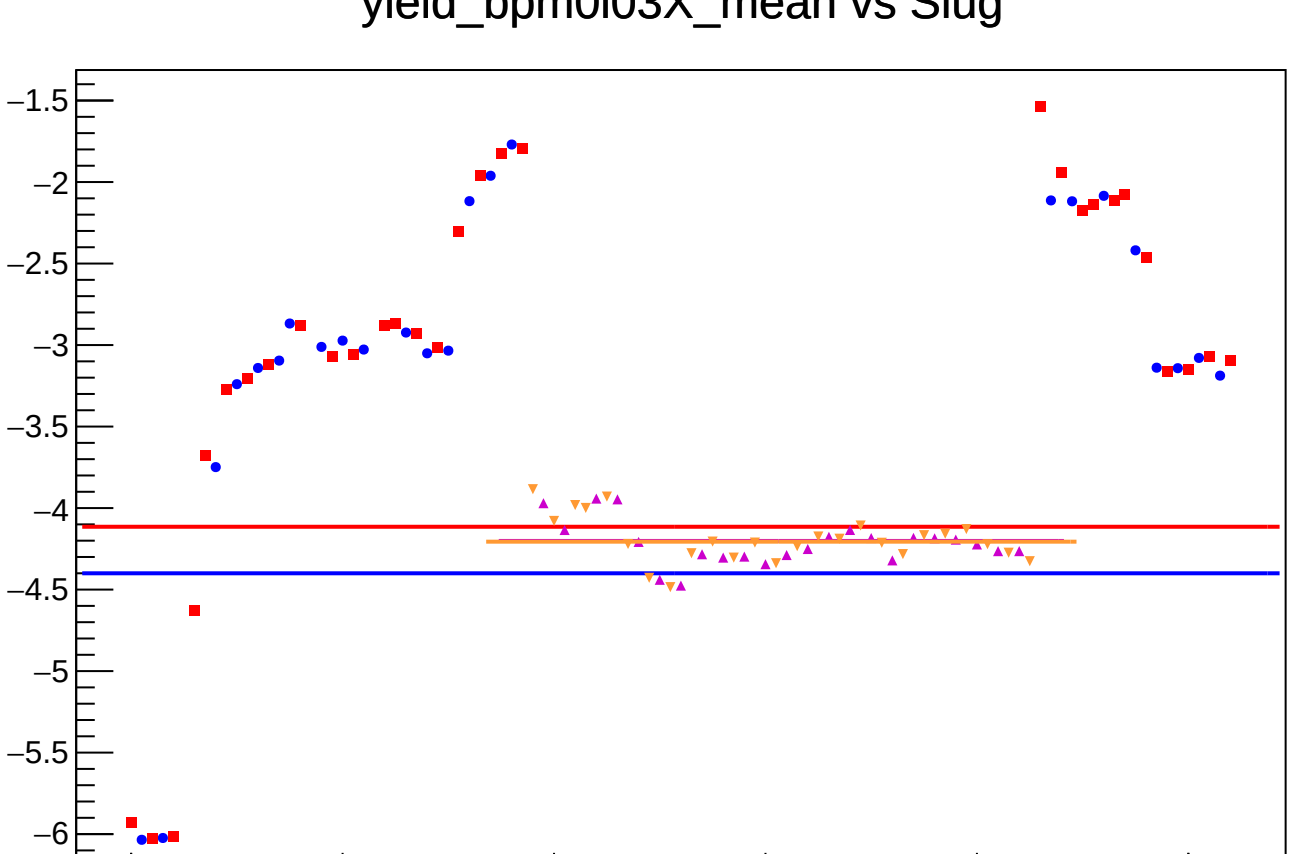
Right Out: 0.009+/-0.000 χ^2/NDF: 2305934.4/29

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 4385851.5/48

All: 0.008+/-0.000 χ^2/NDF: 9306461.4/101

- sign 0.008+/-0.000 χ^2/NDF: 4920419.9/52



Right In: -4.400+/-0.000 χ^2/NDF: 276035443860.0/23

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.115+/-0.000 χ^2/NDF: 297643782537.2/29

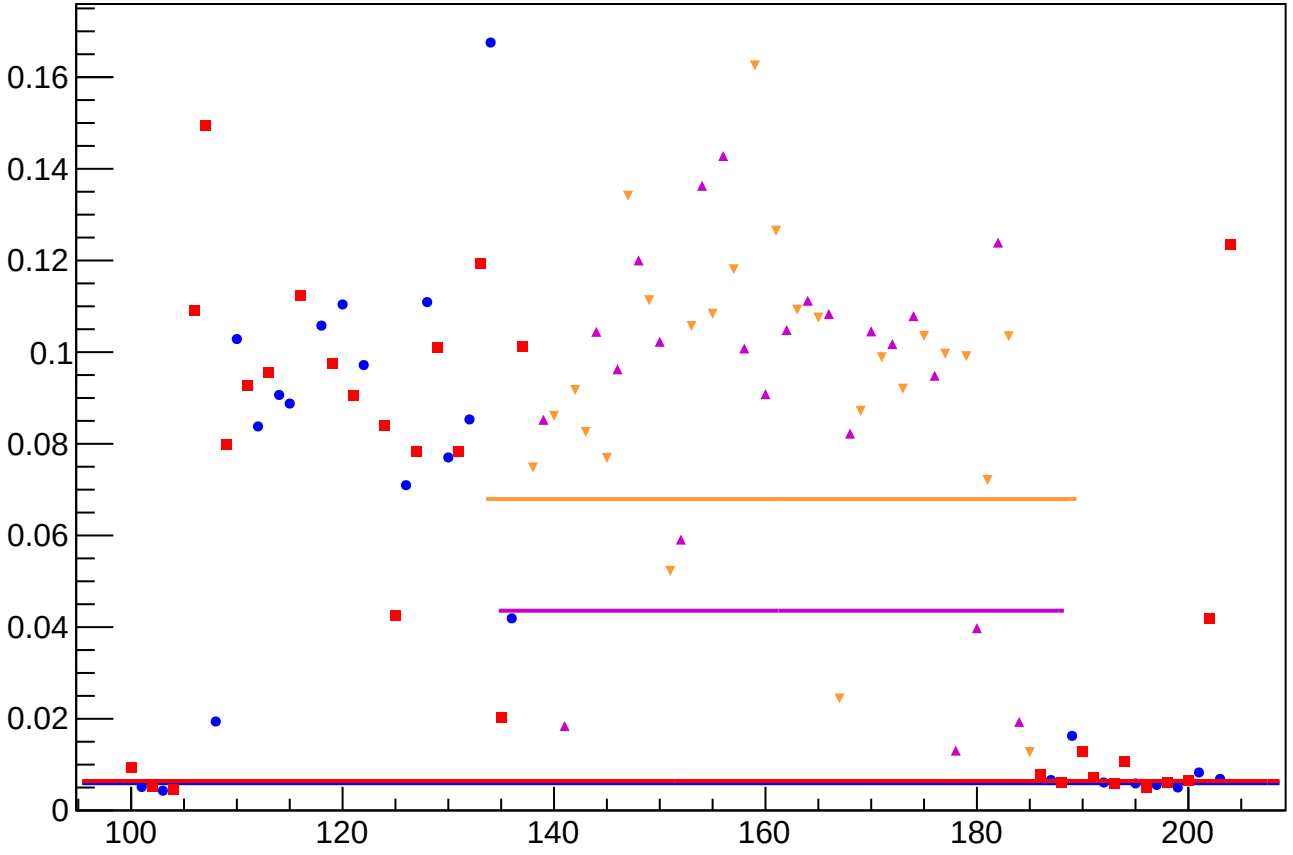
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.395+/-0.000 χ^2/NDF: 276194573462.6/48

All: -4.267+/-0.000 χ^2/NDF: 577605636726.

- sign -4.119+/-0.000 χ^2/NDF: 297716158270.8/52

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8874508.8/23

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

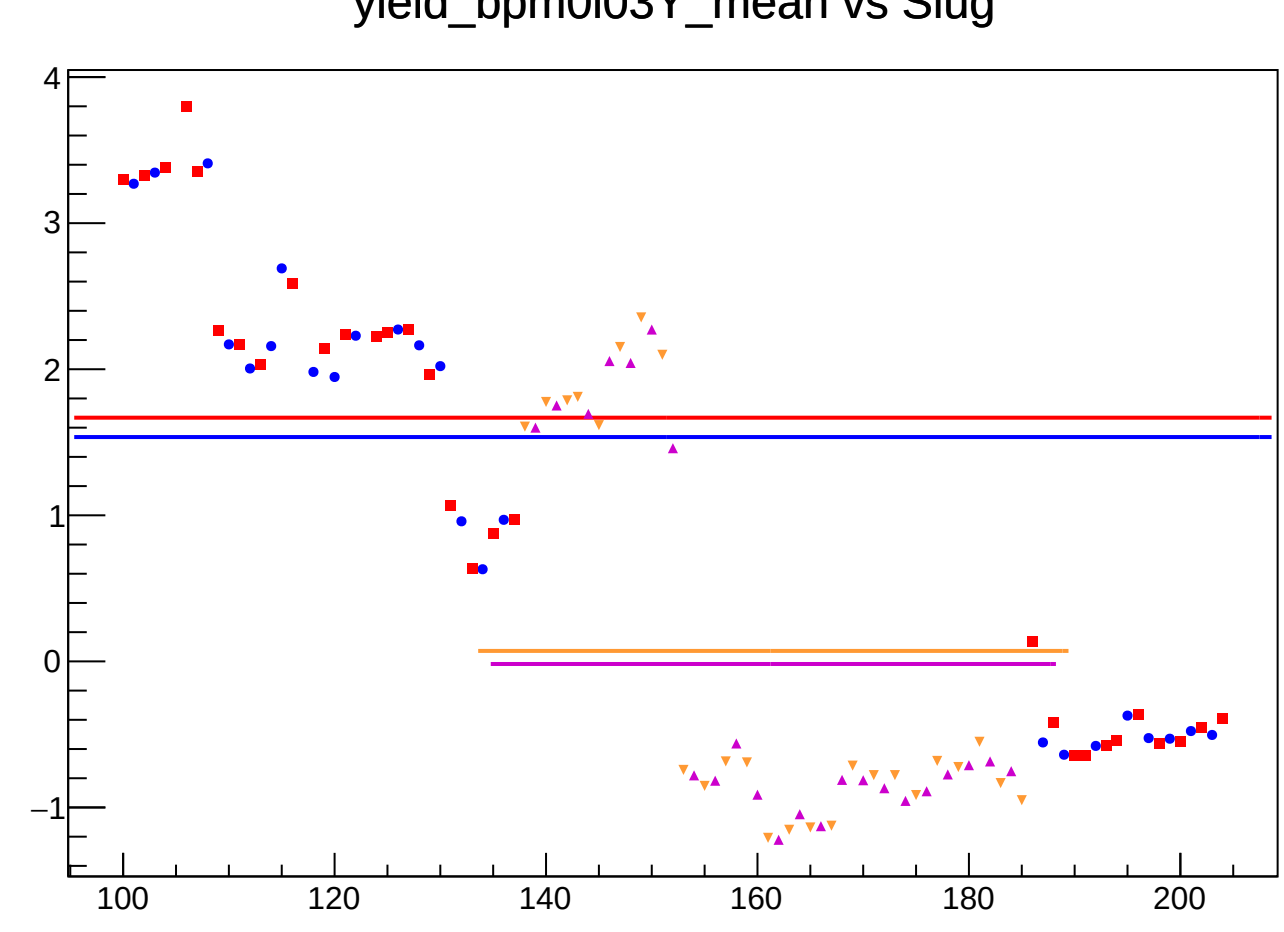
Right Out: 0.006+/-0.000 χ^2/NDF: 10452262.4/29

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 36444056.2/48

All: 0.008+/-0.000 χ^2/NDF: 70475301.6/101

- sign 0.008+/-0.000 χ^2/NDF: 33997953.2/52



Right In: 1.536+/-0.000 χ^2/NDF: 204582846097.3/23

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.668+/-0.000 χ^2/NDF: 182351727603.8/29

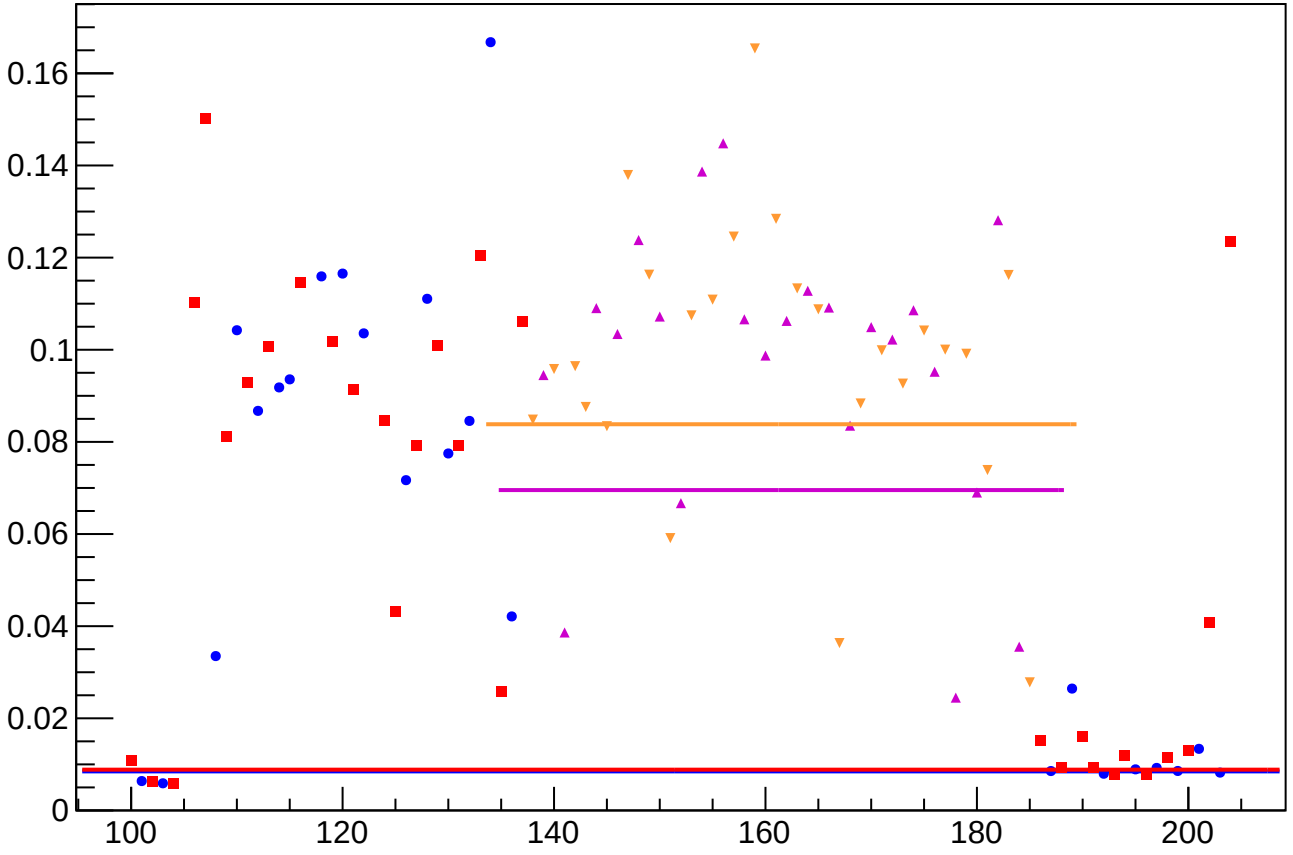
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 1.485+/-0.000 χ^2/NDF: 212475020594.5/48

All: 1.537+/-0.000 χ^2/NDF: 405081302970.5

- sign 1.594+/-0.000 χ^2/NDF: 192270540949.2/52

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8681444.2/23

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

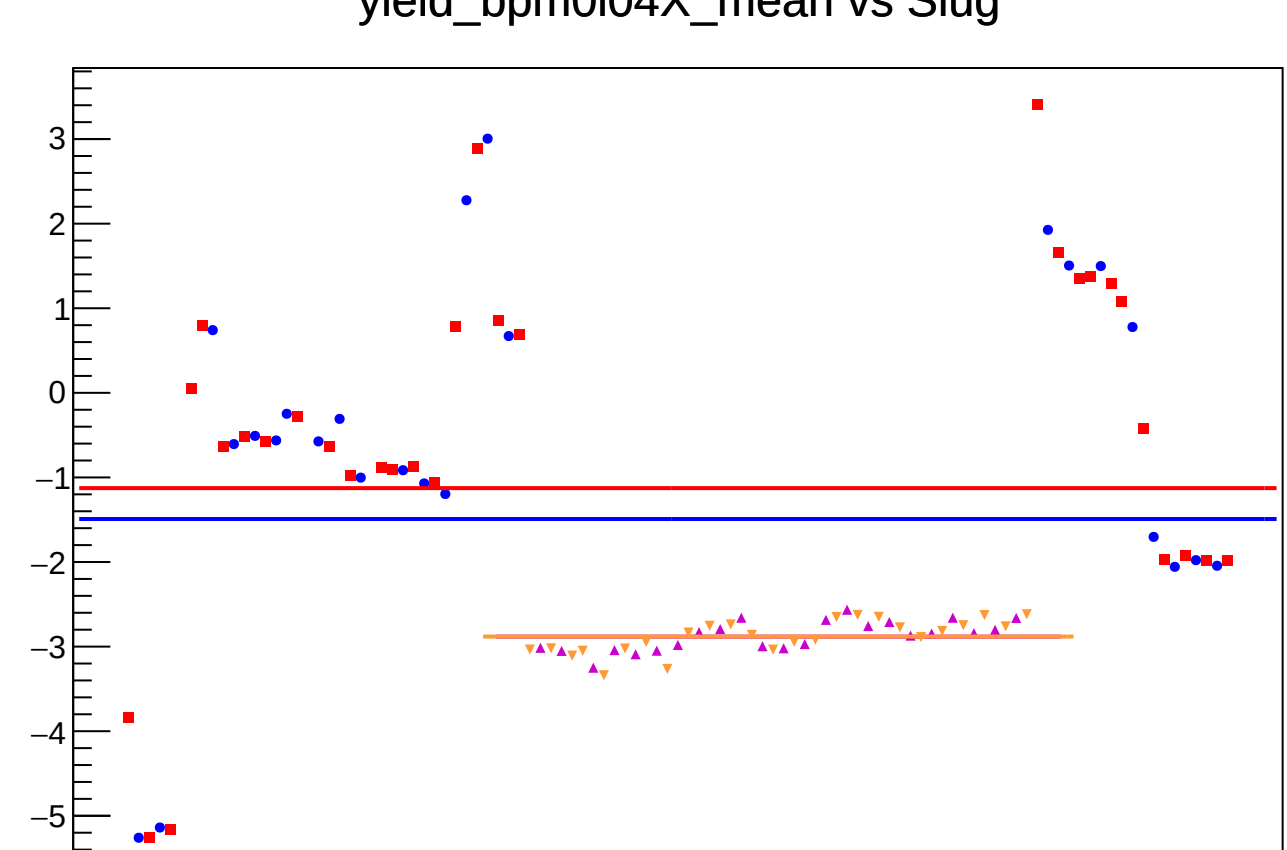
Right Out: 0.009+/-0.000 χ^2/NDF: 10218938.7/29

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 35063452.6/48

All: 0.011+/-0.000 χ^2/NDF: 68733431.5/101

- sign 0.012+/-0.000 χ^2/NDF: 33659248.9/52



Right In: -1.491+/-0.000 χ^2/NDF: 207707145446.9/23

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.126+/-0.000 χ^2/NDF: 234978799953.6/29

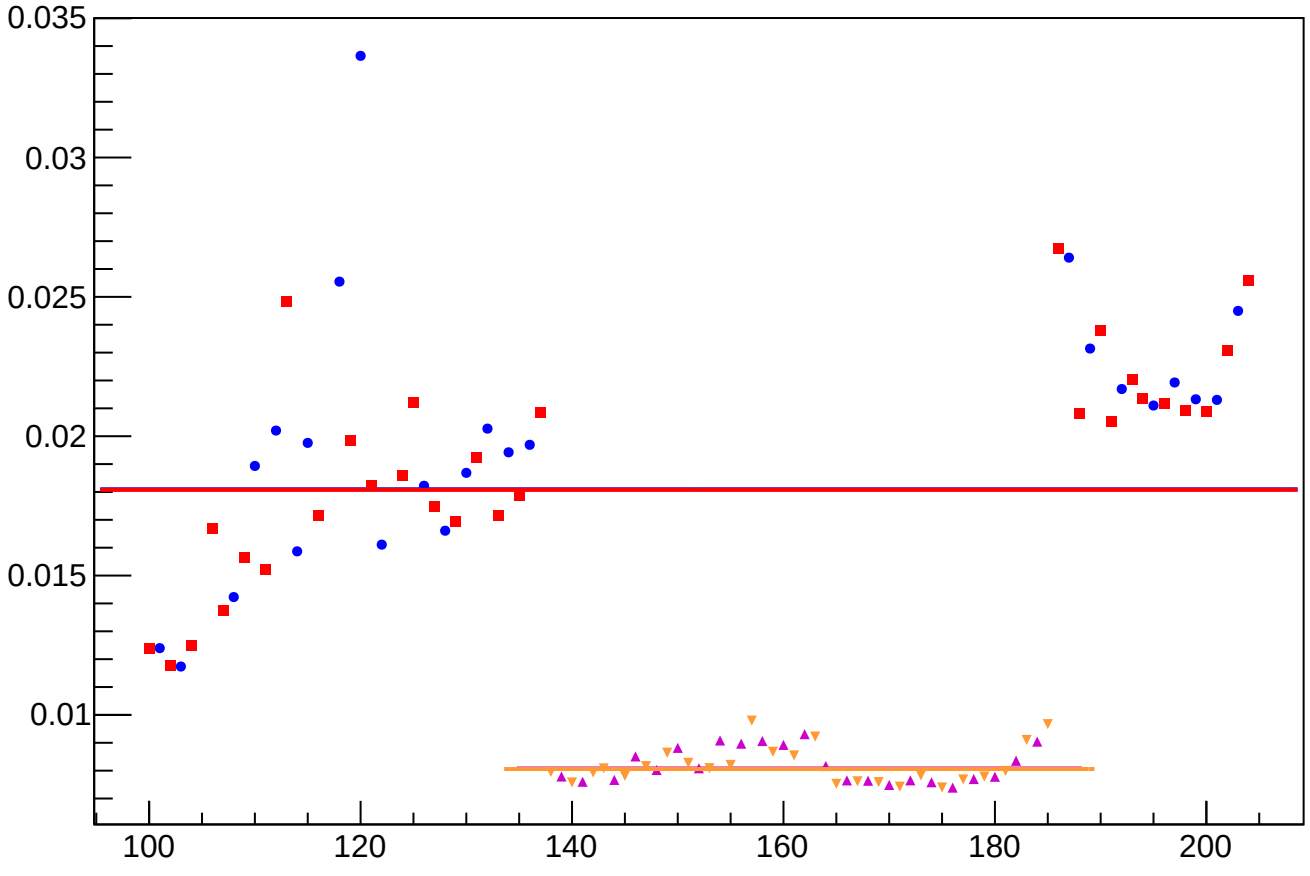
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.731+/-0.000 χ^2/NDF: 277673374022.6/48

All: -2.689+/-0.000 χ^2/NDF: 633339932779.4

- sign -2.646+/-0.000 χ^2/NDF: 354532095114.5/52

yield_bpm0l04X_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1334161.5/23

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.018+/-0.000 χ^2/NDF: 1353006.6/29

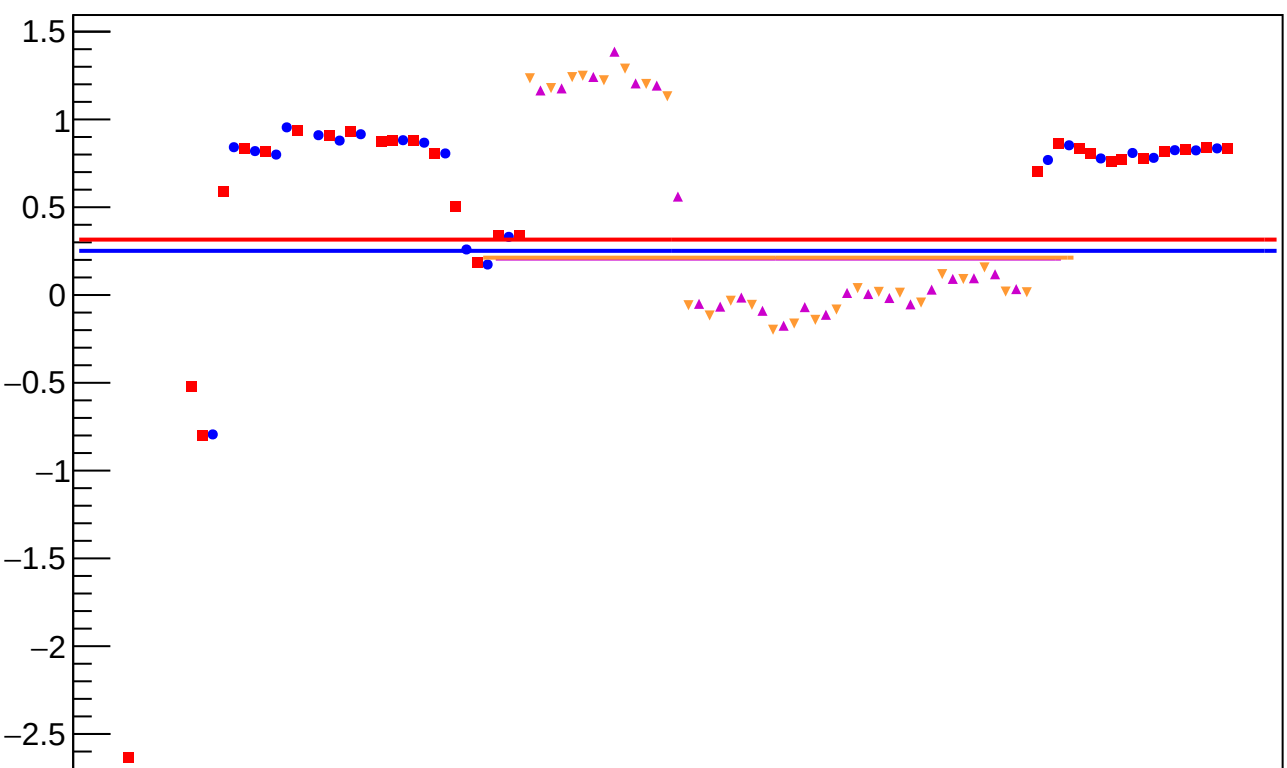
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 7717546.2/48

All: 0.009+/-0.000 χ^2/NDF: 16489556.8/101

- sign 0.009+/-0.000 χ^2/NDF: 8747346.5/52

yield_bpm0l04Y_mean vs Slug



Right In: 0.252+/-0.000 χ^2/NDF: 941596844725.0/23

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.316+/-0.000 χ^2/NDF: 1039492775775.2/29

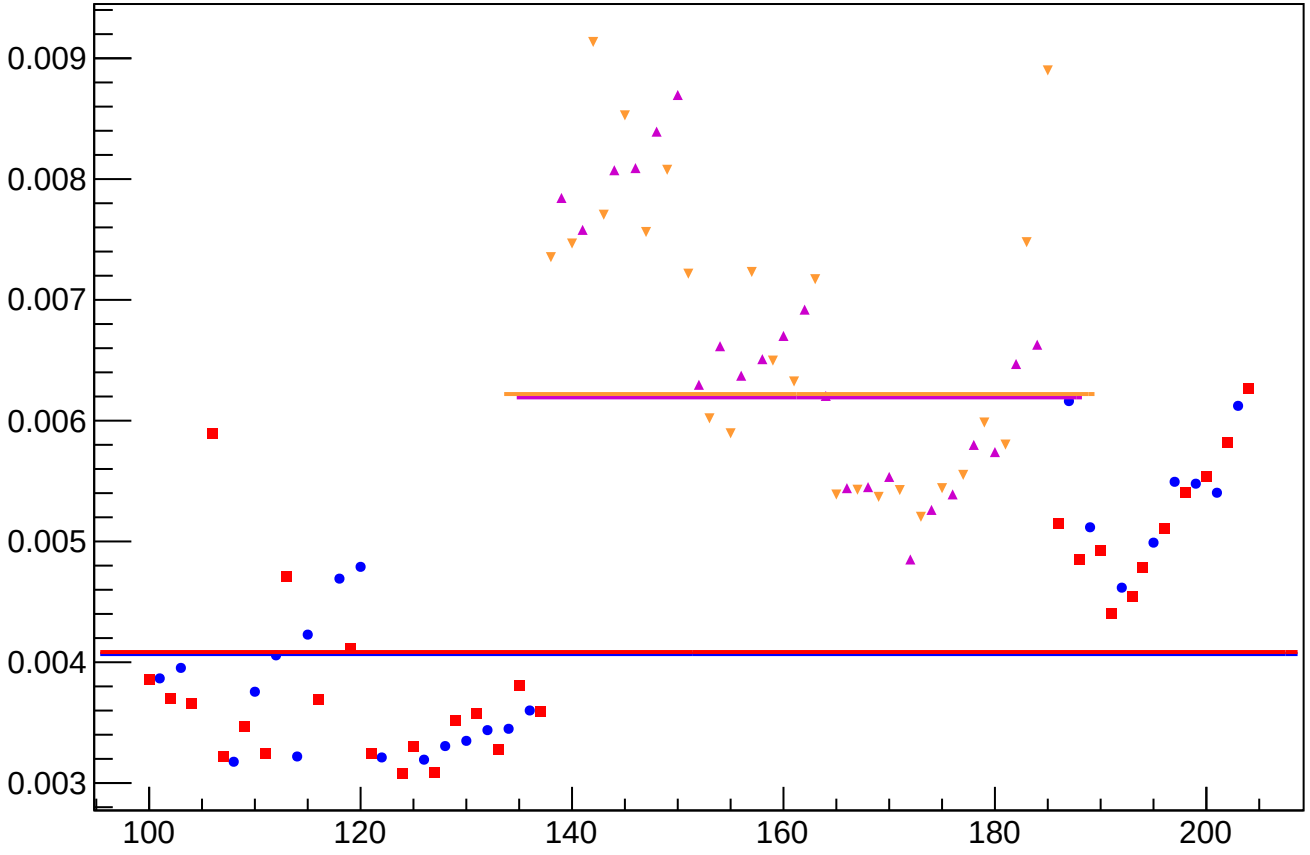
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.237+/-0.000 χ^2/NDF: 1044824010172.3/48

All: 0.260+/-0.000 χ^2/NDF: 2175789034249.

- sign 0.280+/-0.000 χ^2/NDF: 1129851028217.7/52

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 1091976.0/23

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

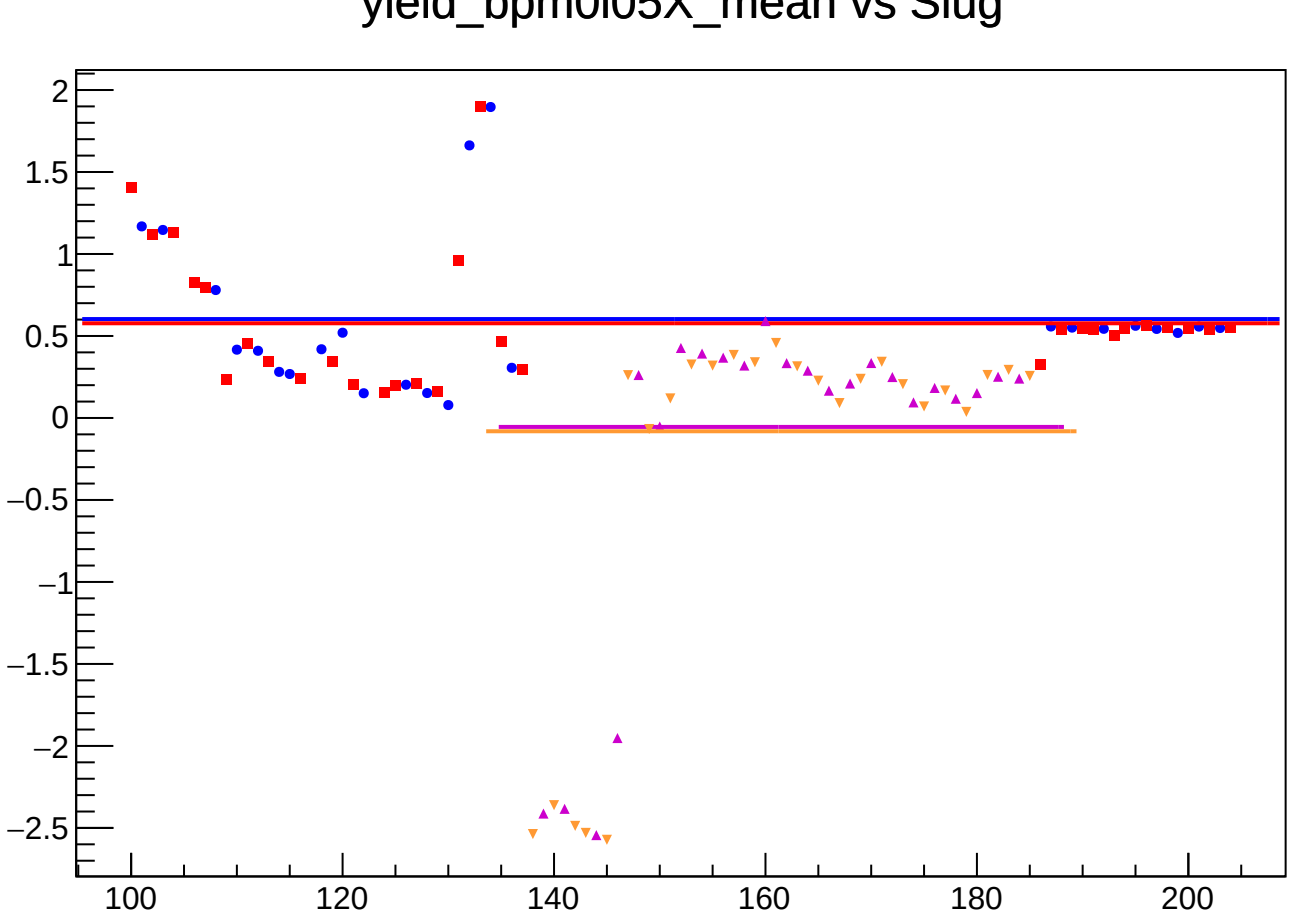
Right Out: 0.004+/-0.000 χ^2/NDF: 1338353.8/29

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4412442.0/48

All: 0.005+/-0.000 χ^2/NDF: 9044525.7/101

- sign 0.005+/-0.000 χ^2/NDF: 4622039.1/52



Right In: 0.603+/-0.000 χ^2/NDF: 43672362097.6/23

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.577+/-0.000 χ^2/NDF: 43713004634.3/29

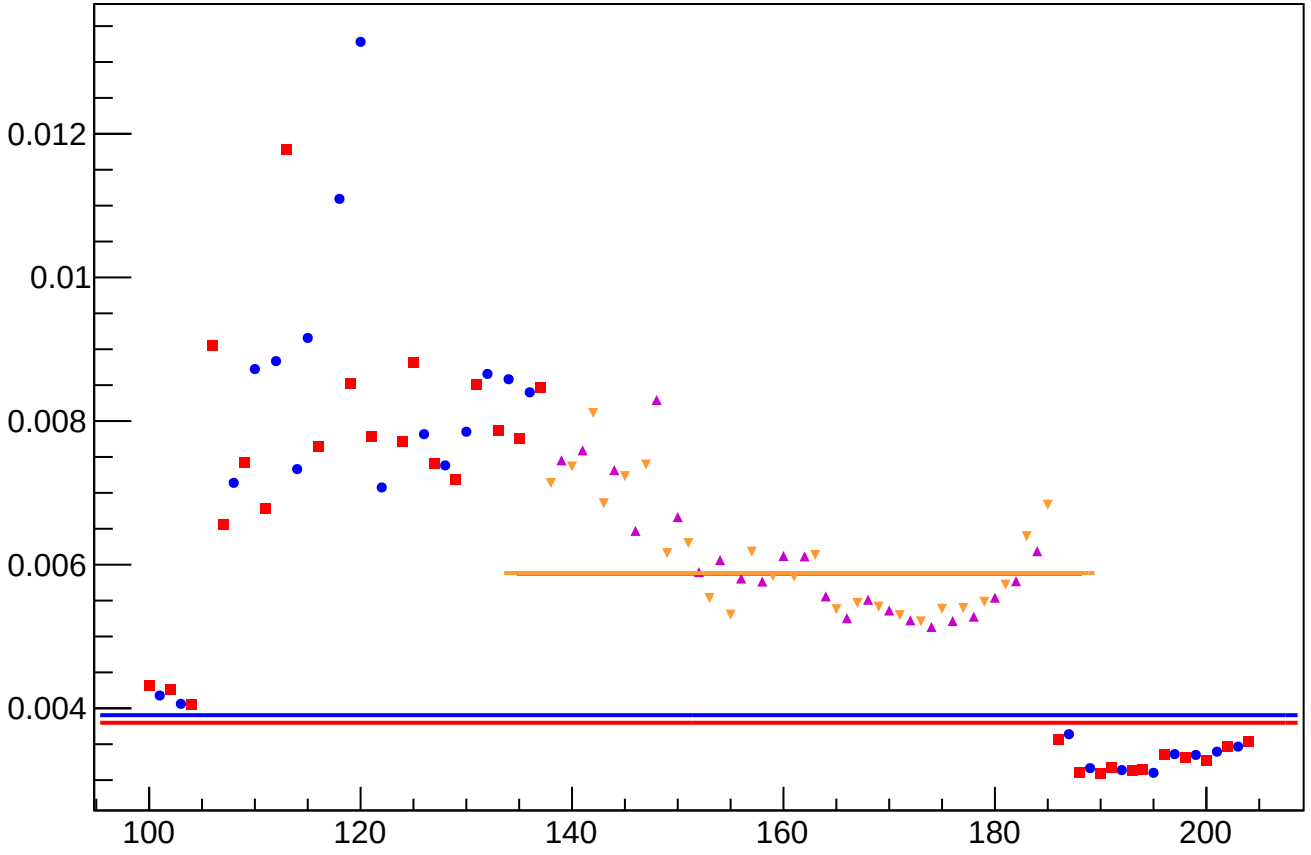
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.311+/-0.000 χ^2/NDF: 567987927308.9/48

All: 0.333+/-0.000 χ^2/NDF: 1084470006820.

- sign 0.352+/-0.000 χ^2/NDF: 515407951069.4/52

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3387356.7/23

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3406180.6/29

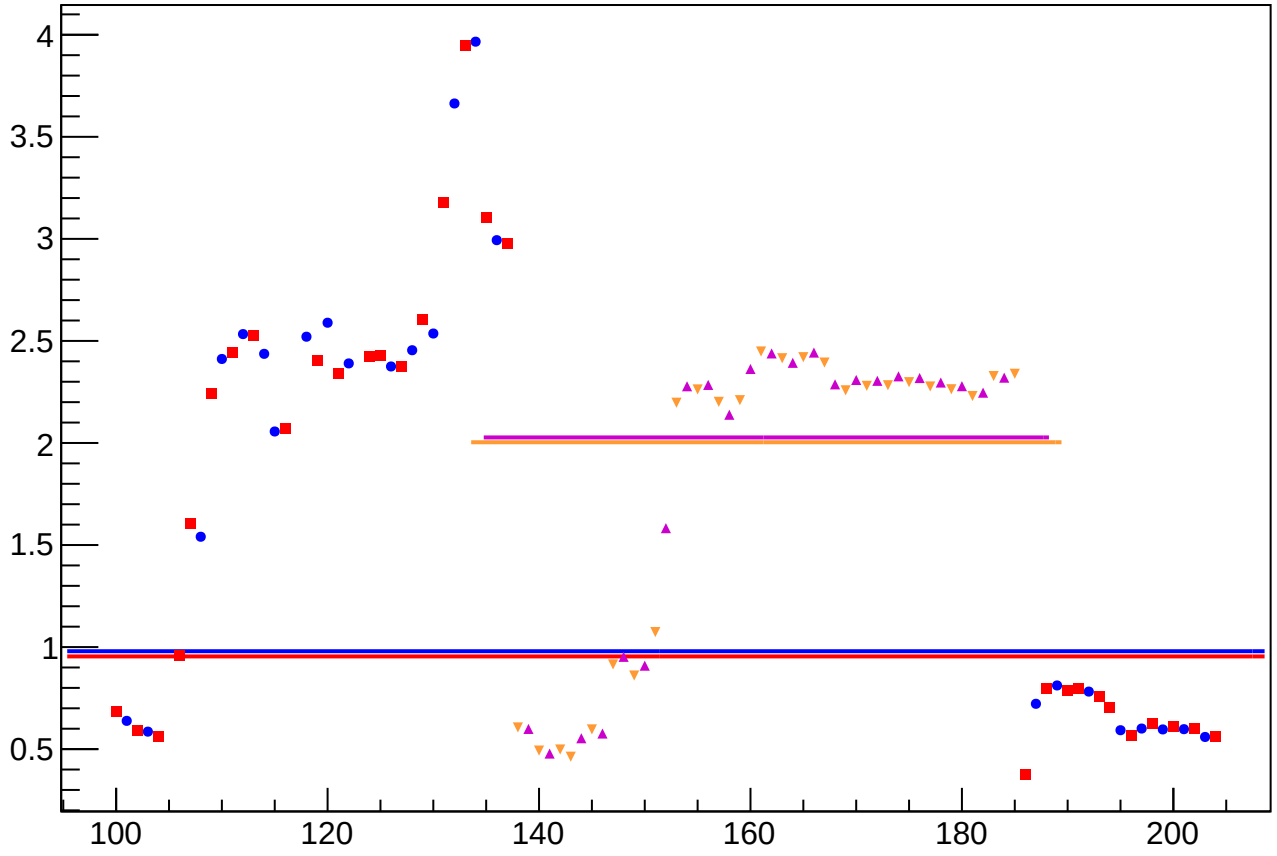
Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 6120135.0/48

All: 0.005+/-0.000 χ^2/NDF: 12794157.8/101

- sign 0.005+/-0.000 χ^2/NDF: 6617739.9/52

yield_bpm0l05Y_mean vs Slug



Right In: 0.980+/-0.000 χ^2/NDF: 227917600849.4/23

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.954+/-0.000 χ^2/NDF: 262297240402.1/29

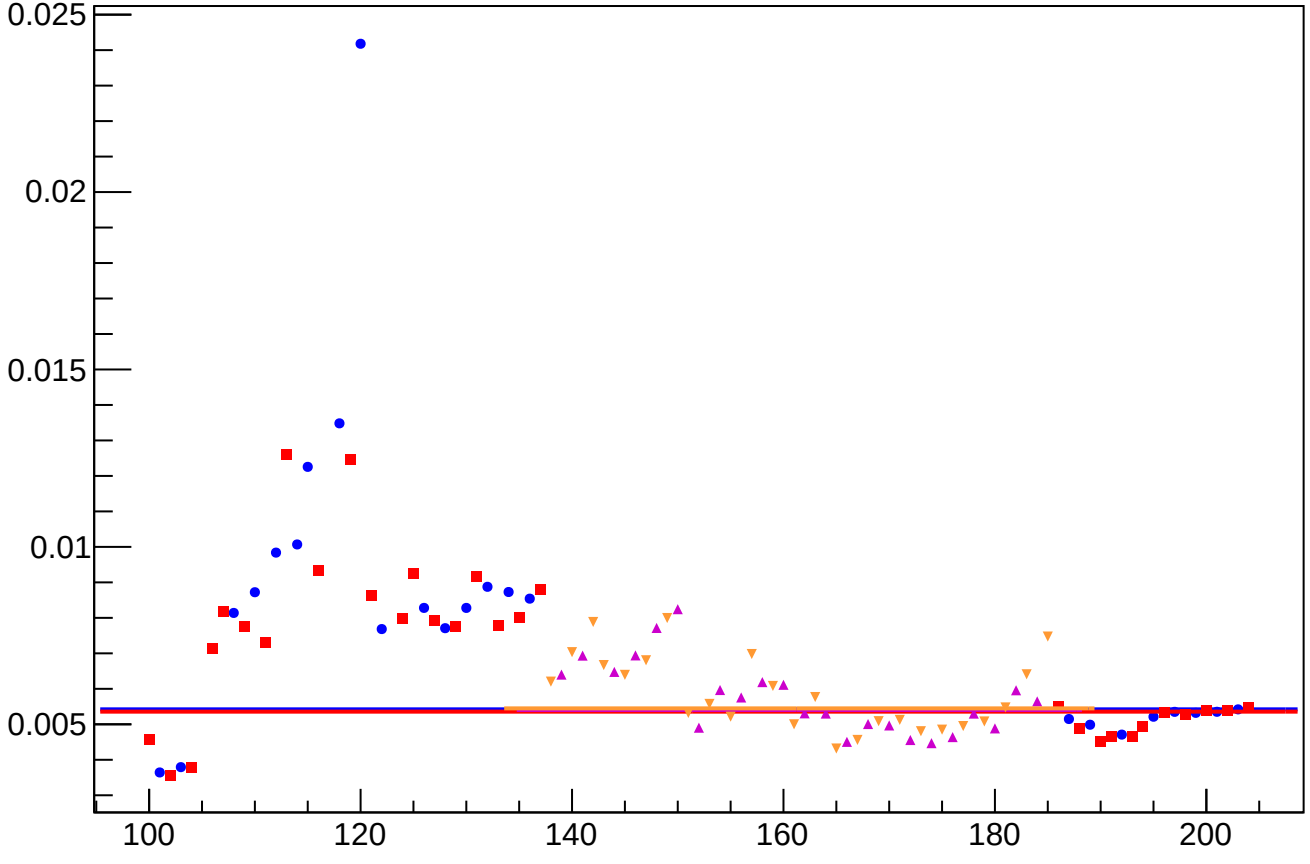
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.596+/-0.000 χ^2/NDF: 677327995285.2/48

All: 1.563+/-0.000 χ^2/NDF: 1418511630132.

- sign 1.532+/-0.000 χ^2/NDF: 739231505522.1/52

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2307210.9/23

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2125461.5/29

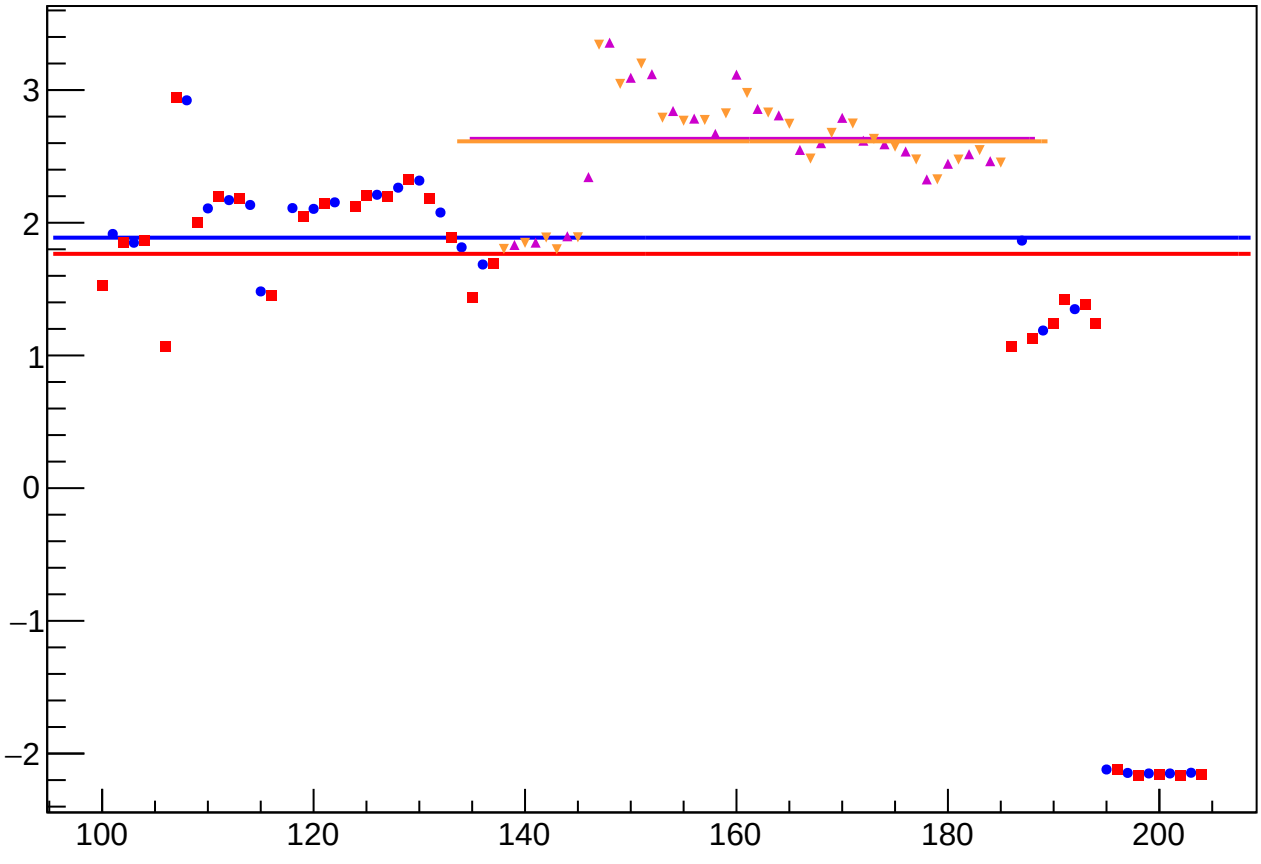
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3078954.0/48

All: 0.005+/-0.000 χ^2/NDF: 6023604.1/101

- sign 0.005+/-0.000 χ^2/NDF: 2941730.8/52

yield_bpm0l06X_mean vs Slug



Right In: 1.888+/-0.000 χ^2/NDF: 115836437845.6/23

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.766+/-0.000 χ^2/NDF: 123250017137.3/29

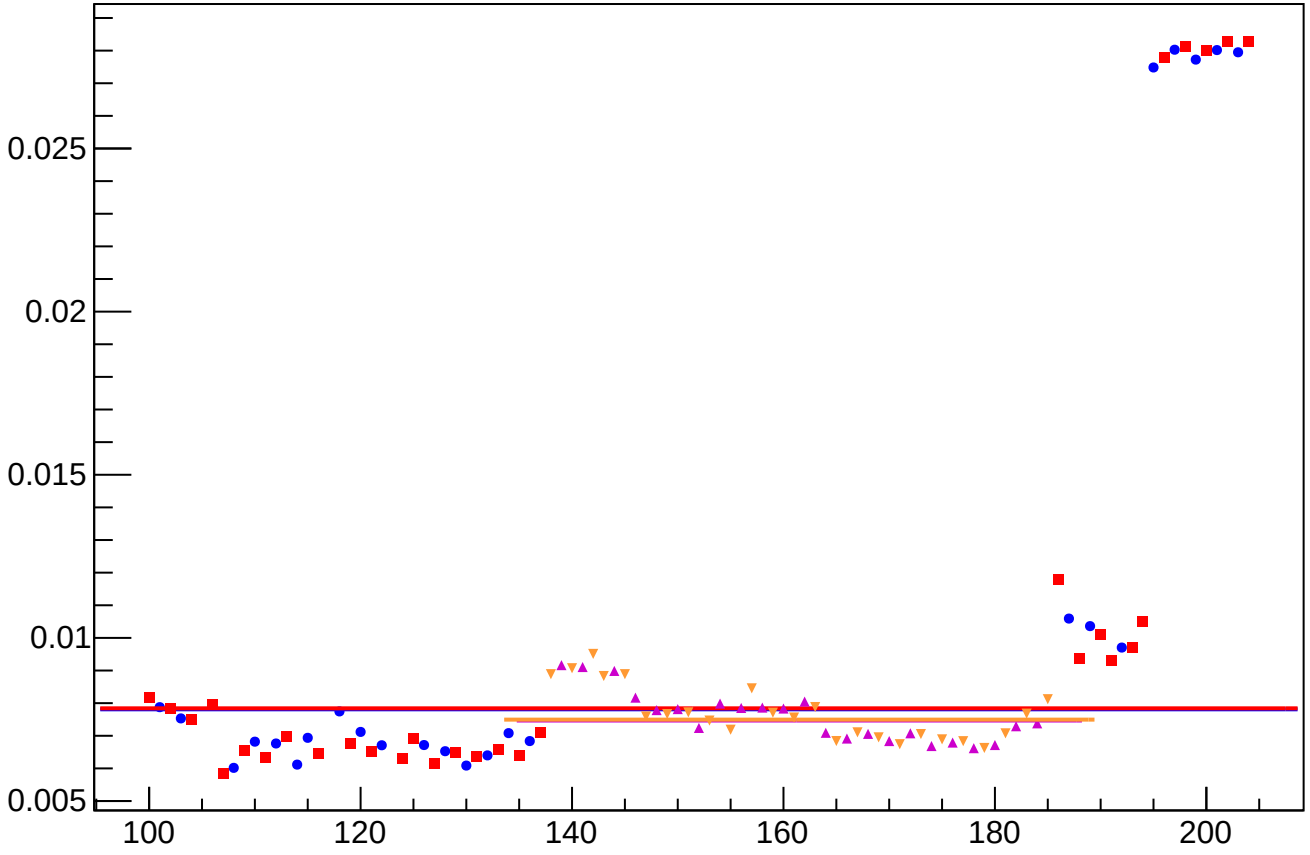
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.364+/-0.000 χ^2/NDF: 220675811109.1/48

All: 2.328+/-0.000 χ^2/NDF: 476970585575.8

- sign 2.293+/-0.000 χ^2/NDF: 255020826387.6/52

yield_bpm0l06X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 4982764.8/23

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5320564.8/29

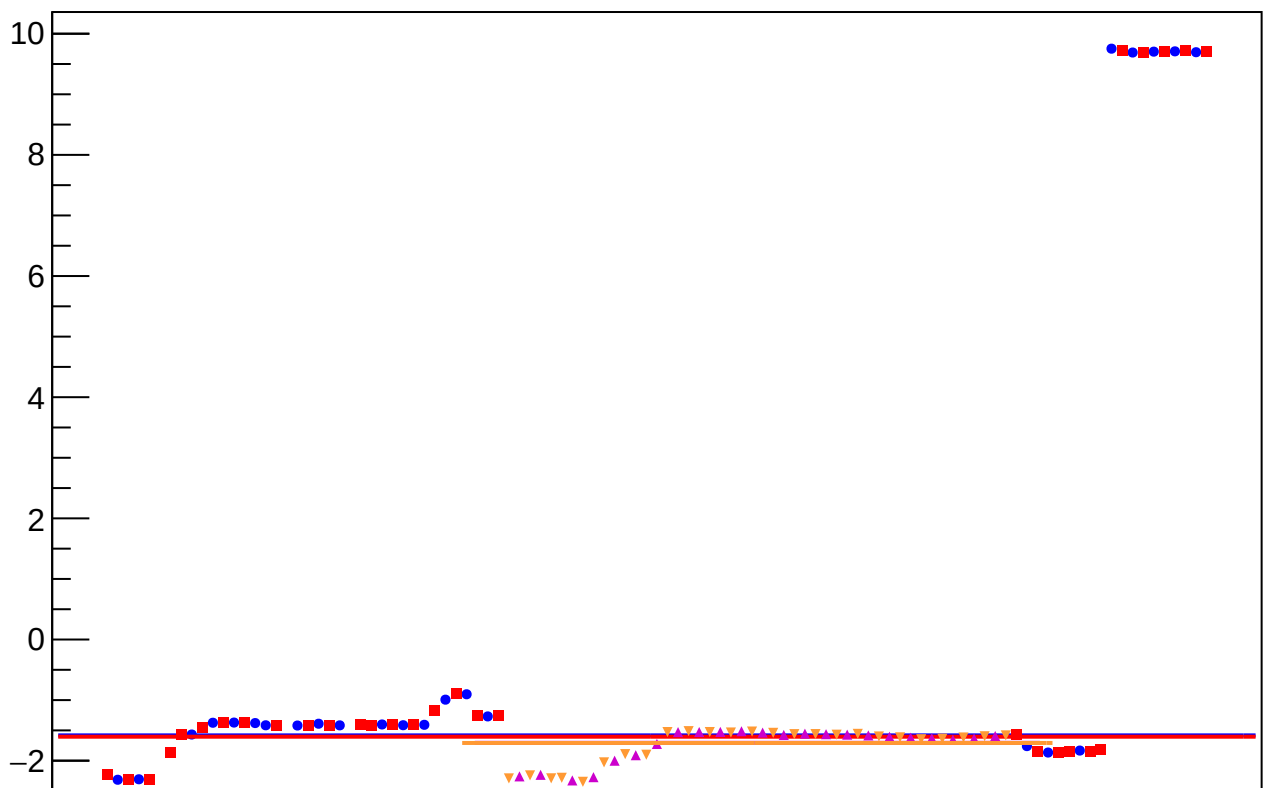
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF: 5337602.9/48

All: 0.008+/-0.000 χ^2/NDF: 11014091.6/101

- sign 0.008+/-0.000 χ^2/NDF: 5676434.8/52

yield_bpm0l06Y_mean vs Slug



Right In: -1.582+/-0.000 χ^2/NDF: 331744848132.5/23

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.604+/-0.000 χ^2/NDF: 340710755637.3/29

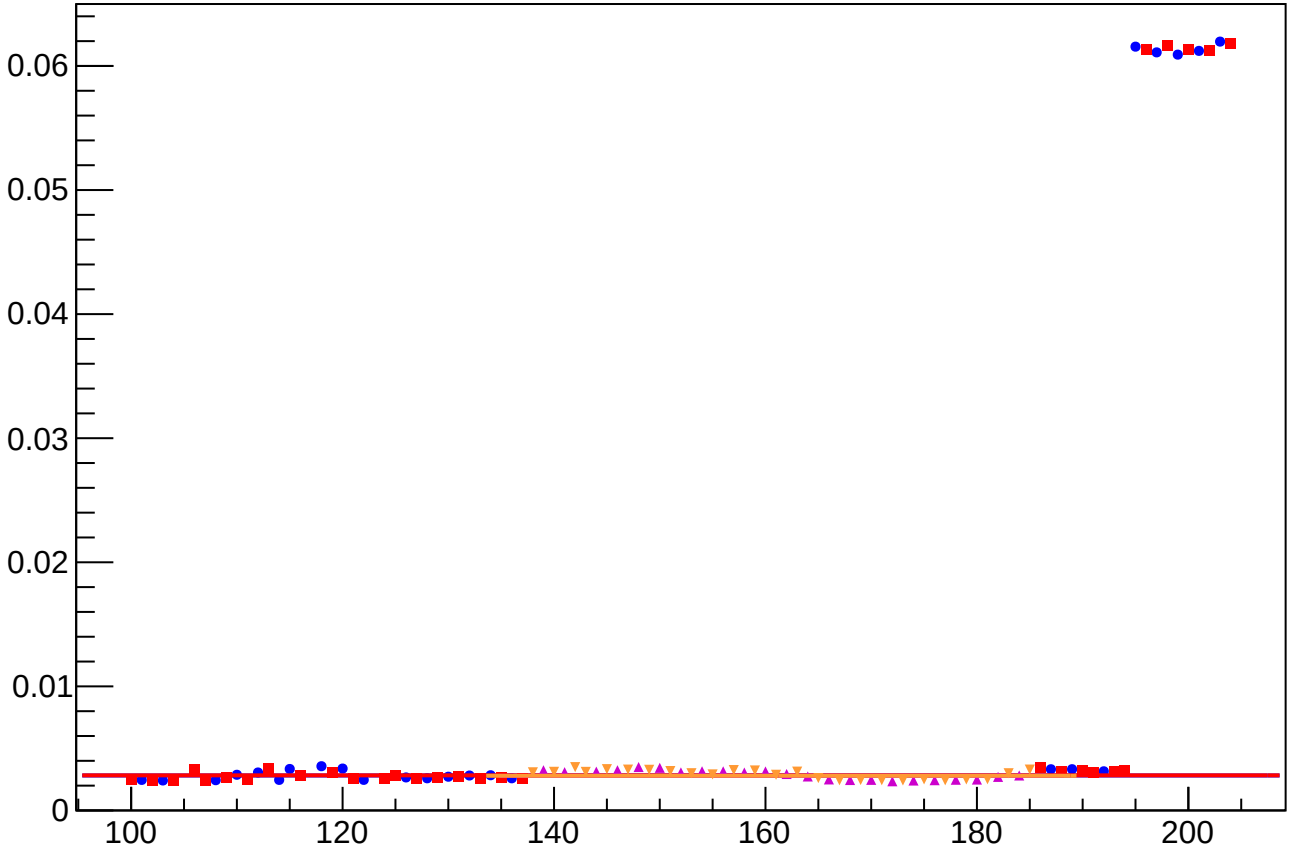
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.667+/-0.000 χ^2/NDF: 495207308340.2/48

All: -1.667+/-0.000 χ^2/NDF: 980961103390.2

- sign -1.667+/-0.000 χ^2/NDF: 485753742588.8/52

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 8070900.9/23

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

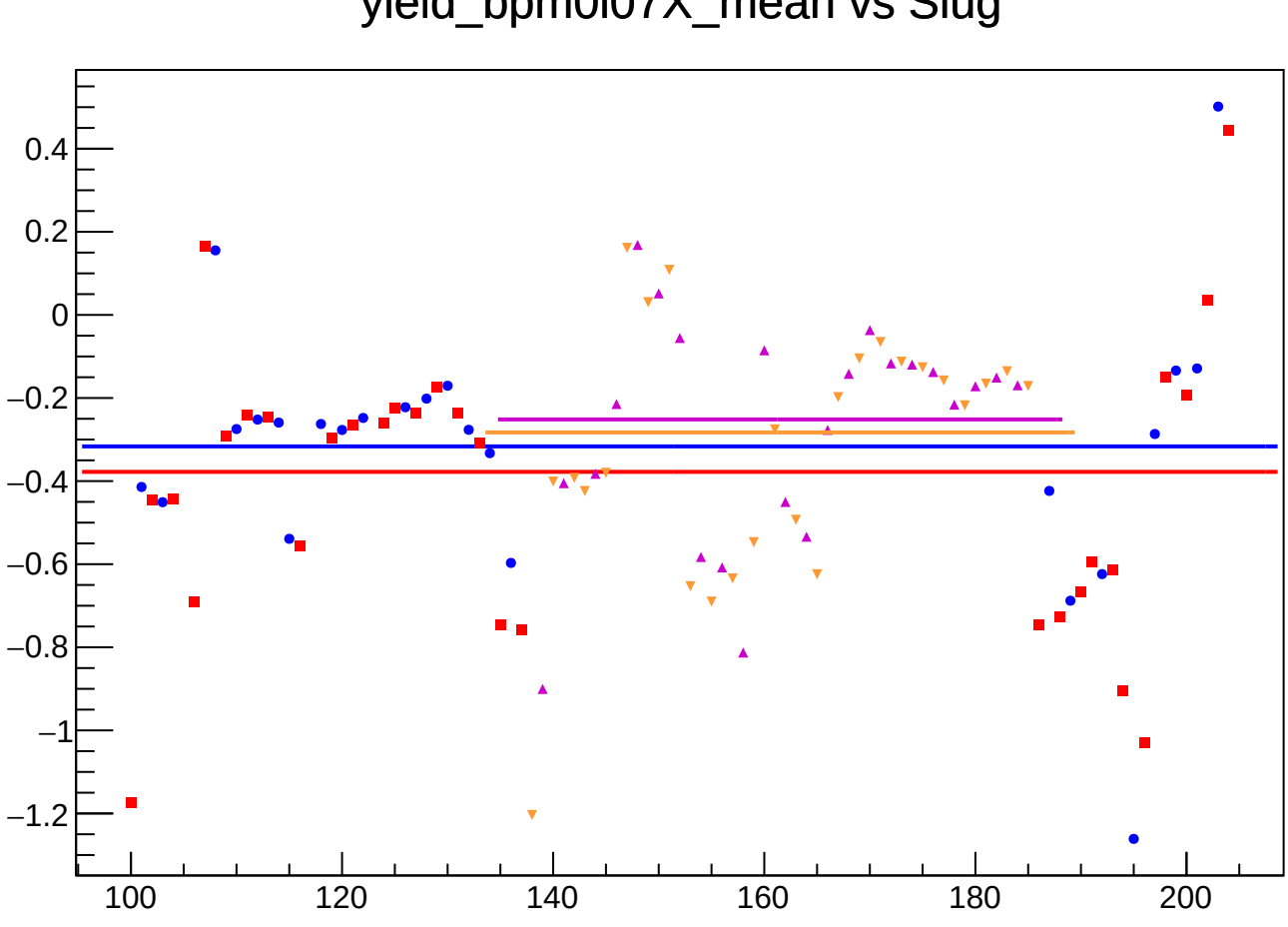
Right Out: 0.003+/-0.000 χ^2/NDF: 8107172.4/29

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 8619308.2/48

All: 0.003+/-0.000 χ^2/NDF: 17287014.3/101

- sign 0.003+/-0.000 χ^2/NDF: 8667691.9/52



Right In: -0.316+/-0.000 χ^2/NDF: 6375690112.1/23

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.378+/-0.000 χ^2/NDF: 7556293828.9/29

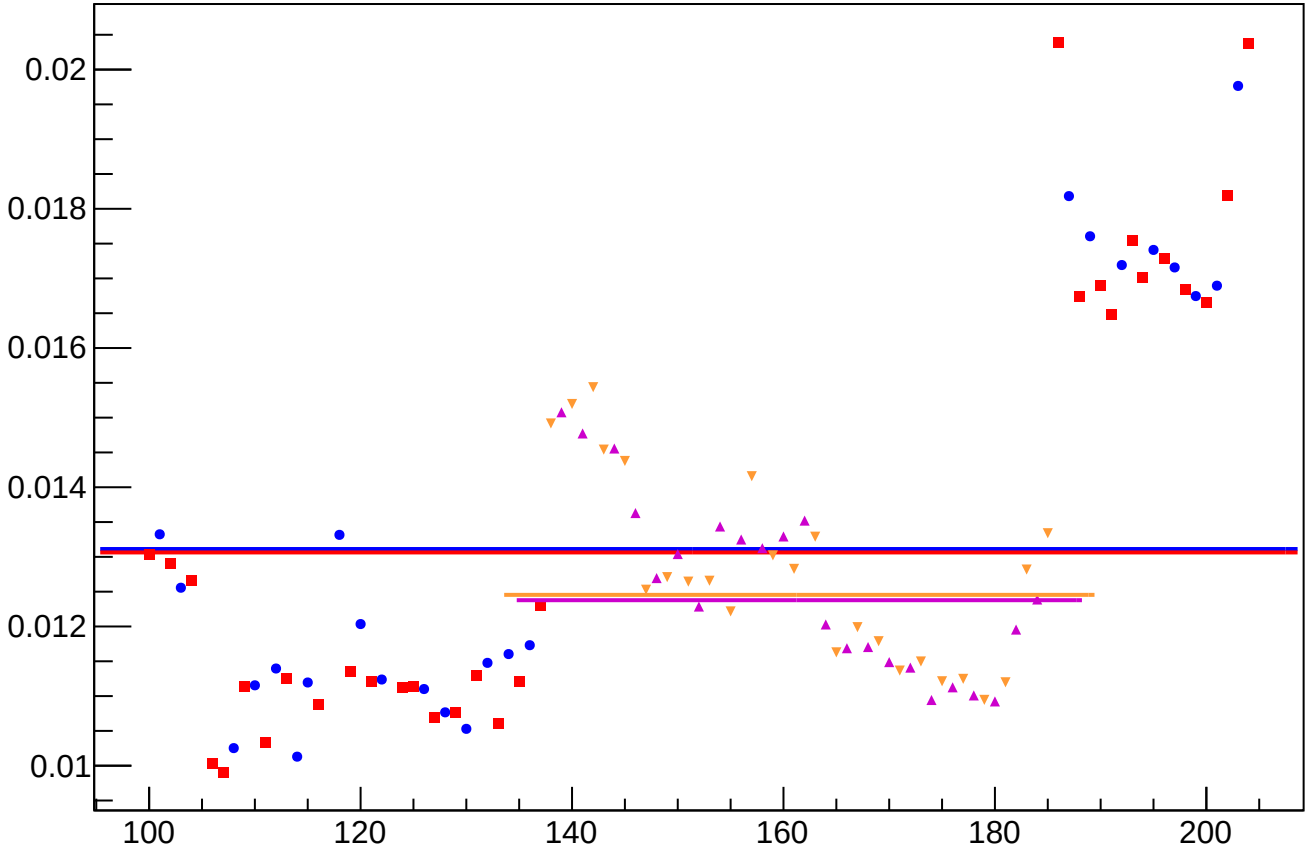
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.296+/-0.000 χ^2/NDF: 15769460151.8/48

All: -0.300+/-0.000 χ^2/NDF: 31267744750.2/

- sign -0.305+/-0.000 χ^2/NDF: 15489130416.1/52

yield_bpm0l07X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1101353.3/23

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1545438.5/29

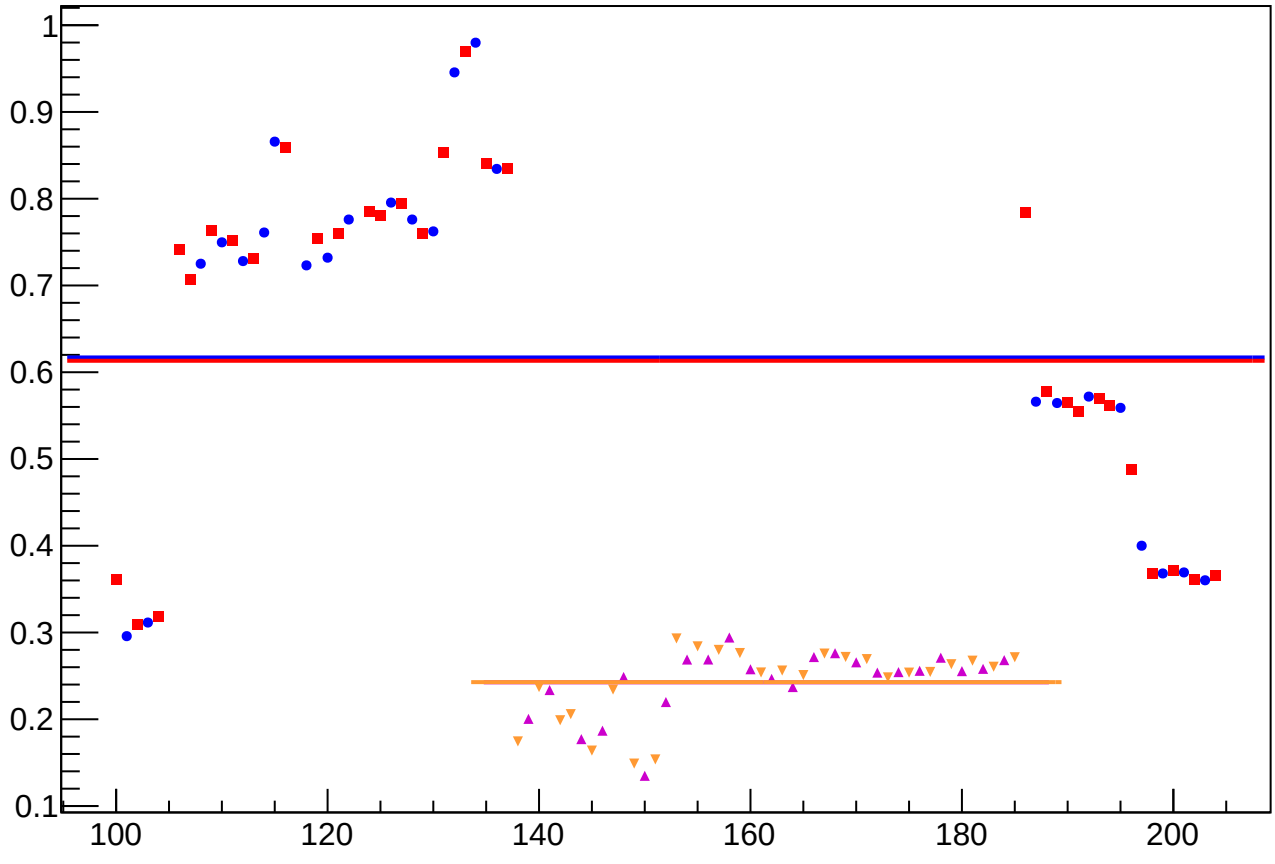
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 1481272.2/48

All: 0.013+/-0.000 χ^2/NDF: 3399108.9/101

- sign 0.013+/-0.000 χ^2/NDF: 1917624.6/52

yield_bpm0l07Y_mean vs Slug



Right In: 0.617+/-0.000 χ^2/NDF: 80520907480.5/23

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.613+/-0.000 χ^2/NDF: 80210709038.3/29

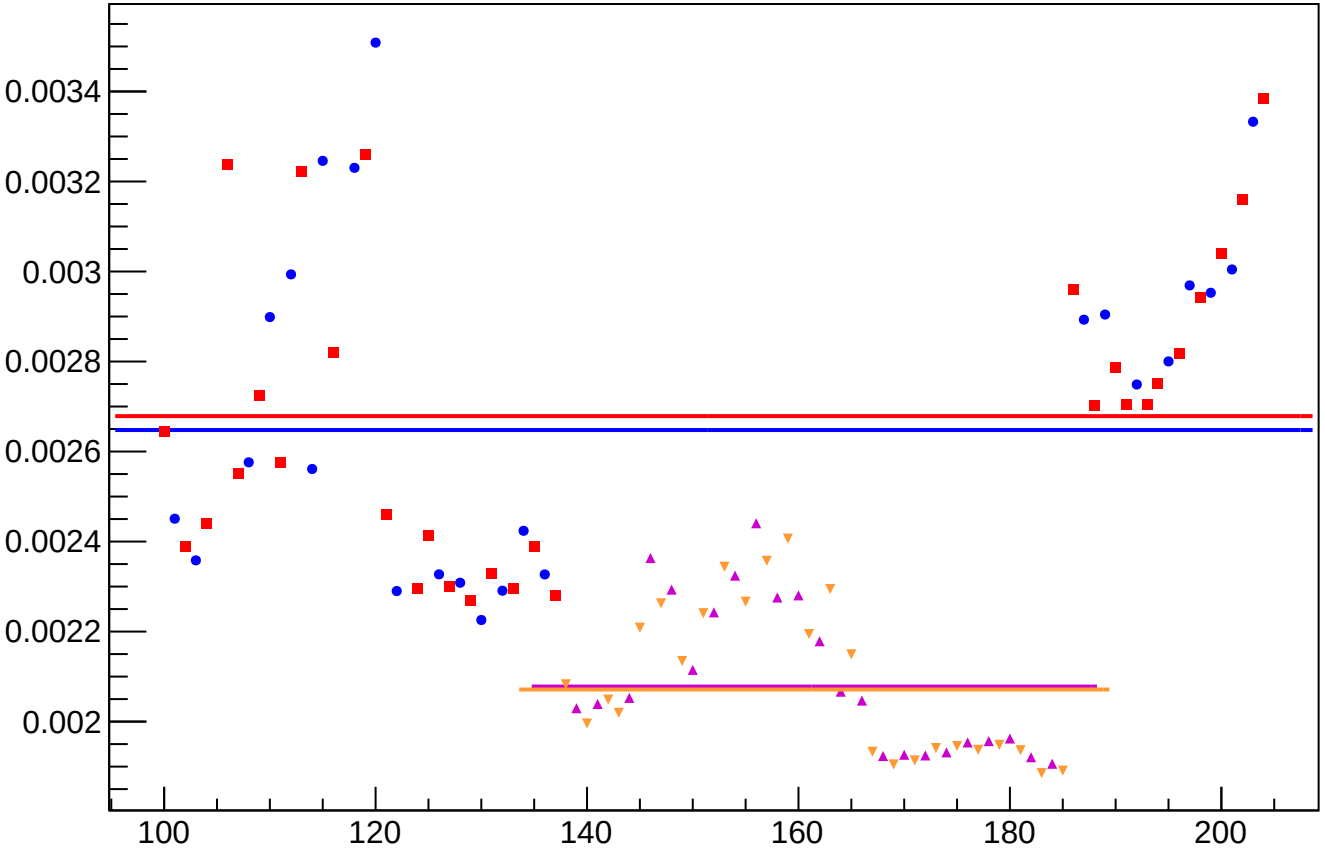
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.350+/-0.000 χ^2/NDF: 266555969727.0/48

All: 0.357+/-0.000 χ^2/NDF: 542112512242.3

- sign 0.364+/-0.000 χ^2/NDF: 274935050208.1/52

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 426529.5/23

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 412410.5/29

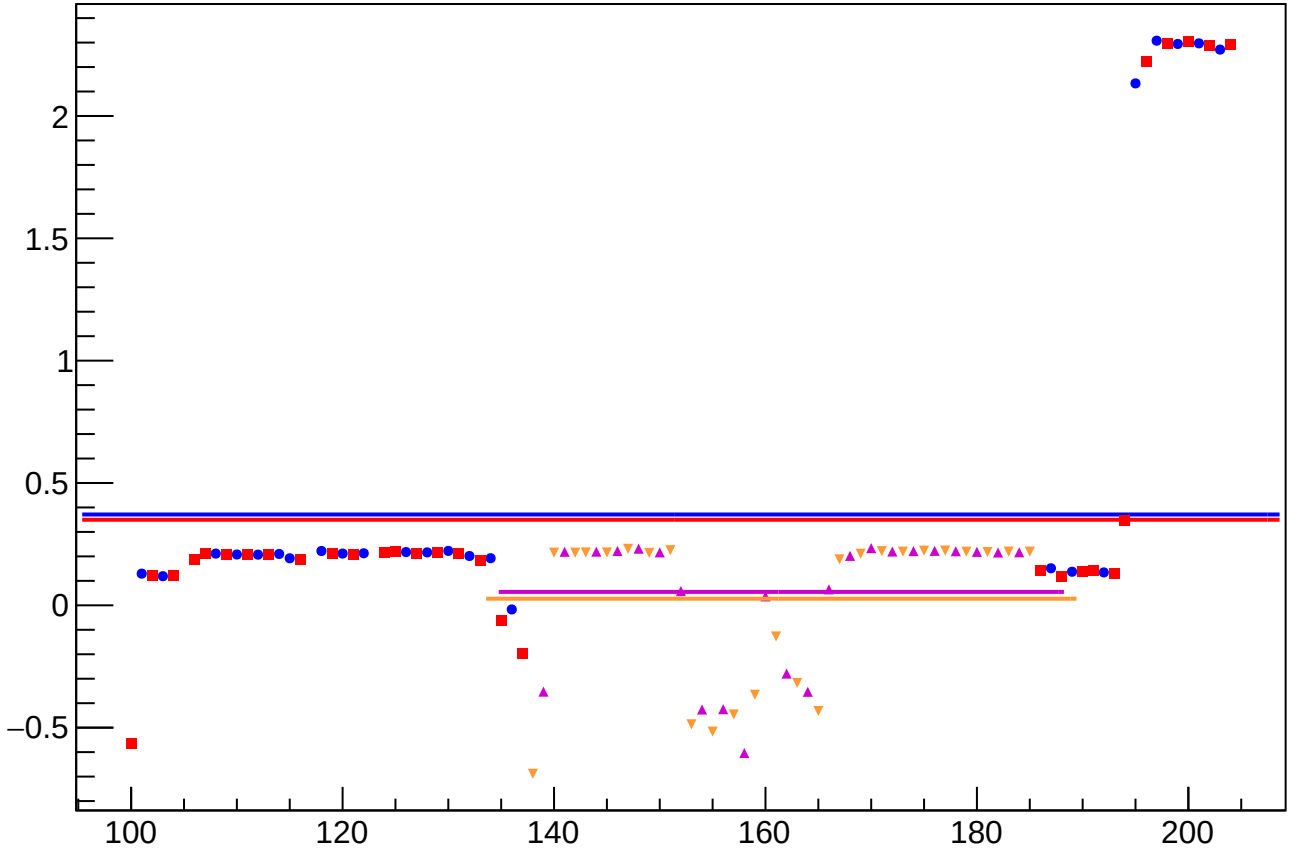
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 1508925.3/48

All: 0.002+/-0.000 χ^2/NDF: 3135081.5/101

- sign 0.002+/-0.000 χ^2/NDF: 1616902.2/52

yield_bpm0l08X_mean vs Slug



Right In: 0.371+/-0.000 χ^2/NDF: 32812929325.6/23

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.350+/-0.000 χ^2/NDF: 36593747024.1/29

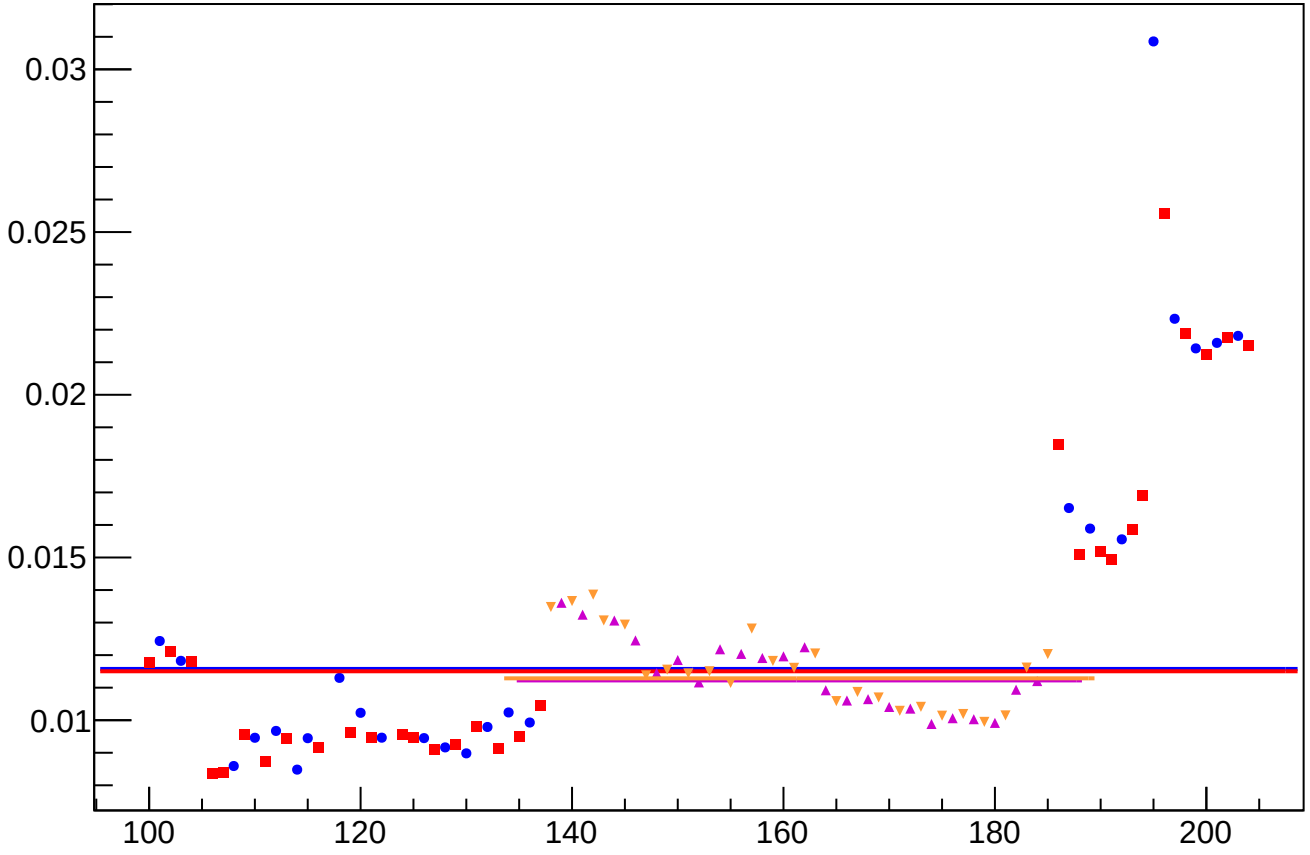
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.155+/-0.000 χ^2/NDF: 52110049530.0/48

All: 0.168+/-0.000 χ^2/NDF: 103556188949.2

- sign 0.180+/-0.000 χ^2/NDF: 51373487953.7/52

yield_bpm0l08X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2960117.4/23

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

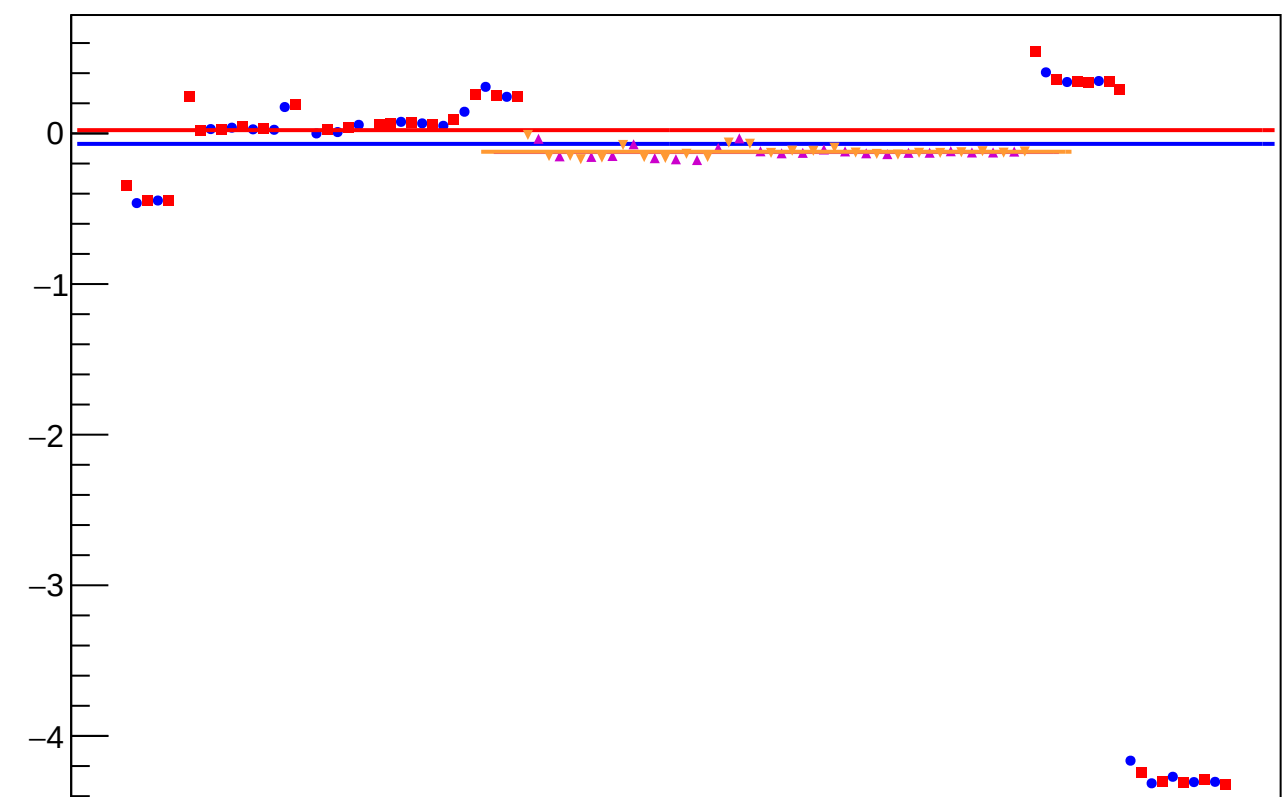
Right Out: 0.012+/-0.000 χ^2/NDF: 3298151.5/29

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 3297271.8/48

All: 0.011+/-0.000 χ^2/NDF: 6920505.0/101

- sign 0.011+/-0.000 χ^2/NDF: 3622594.0/52



Right In: -0.069+/-0.000 χ^2/NDF: 252324628534.5/23

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 286149153956.7/29

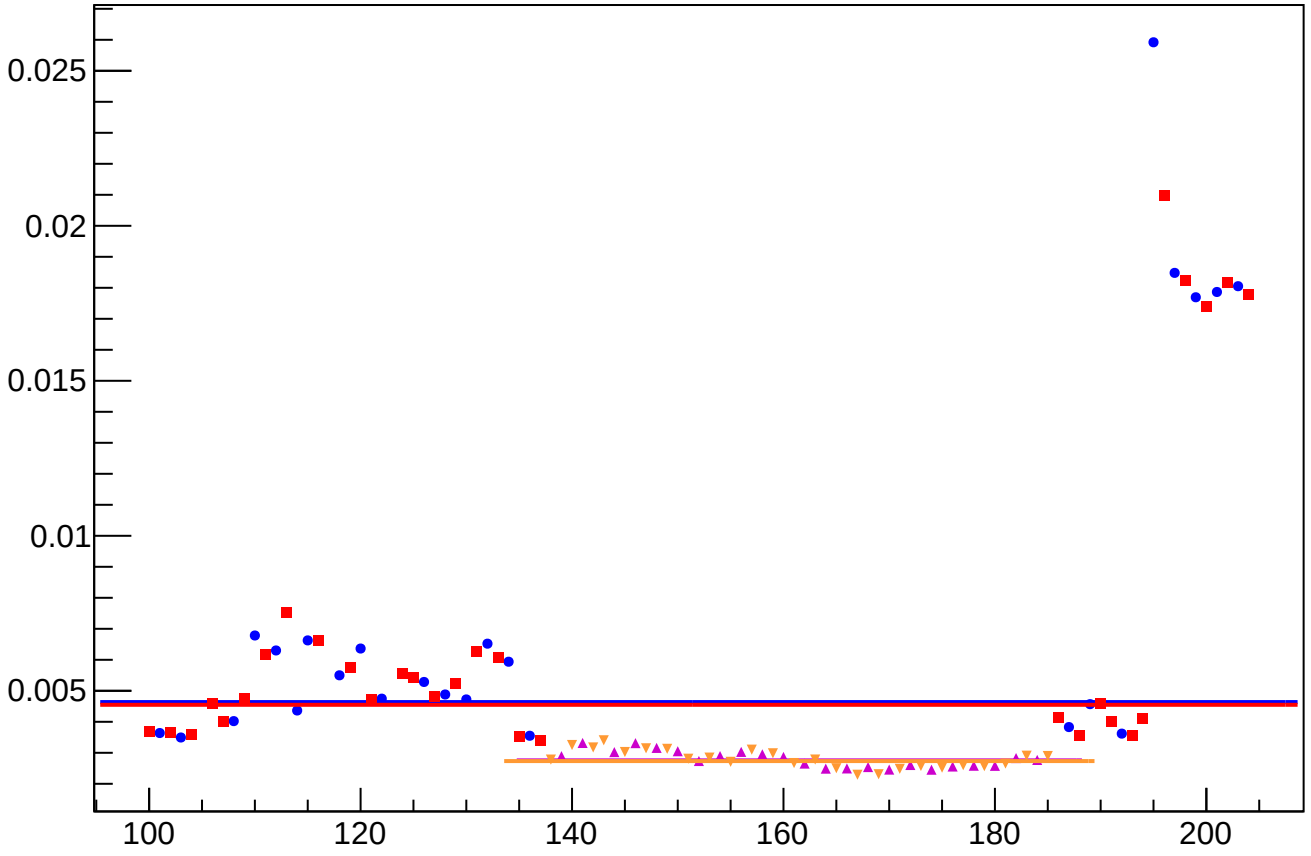
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.114+/-0.000 χ^2/NDF: 256261825304.3/48

All: -0.105+/-0.000 χ^2/NDF: 555090070386.3

- sign -0.095+/-0.000 χ^2/NDF: 298342062165.7/52

yield_bpm0l08Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 5796766.3/23

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 5823081.8/29

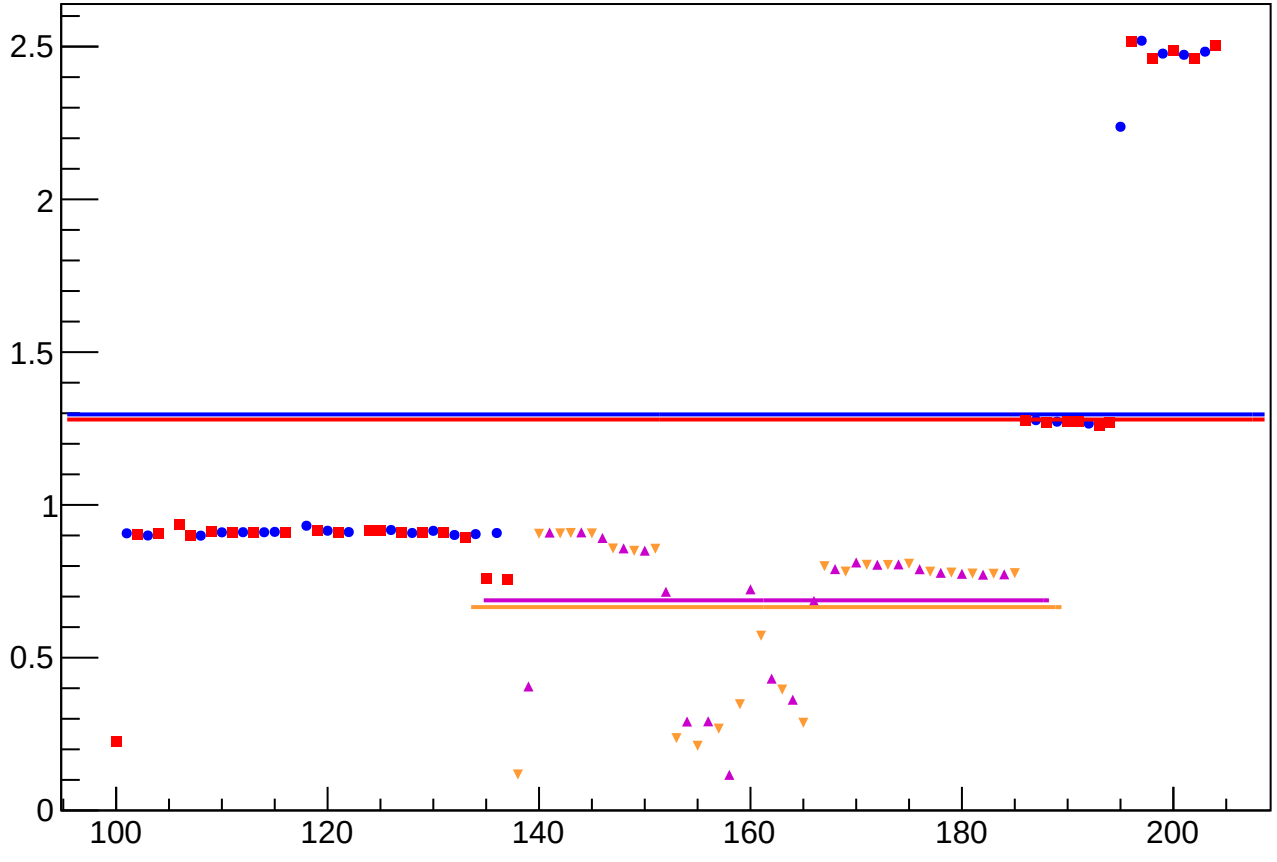
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 8881925.2/48

All: 0.003+/-0.000 χ^2/NDF: 17870531.7/101

- sign 0.003+/-0.000 χ^2/NDF: 8968641.5/52

yield_bpm0l09X_mean vs Slug



Right In: 1.296+/-0.000 χ^2/NDF: 34624638442.0/23

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.279+/-0.000 χ^2/NDF: 39831564052.2/29

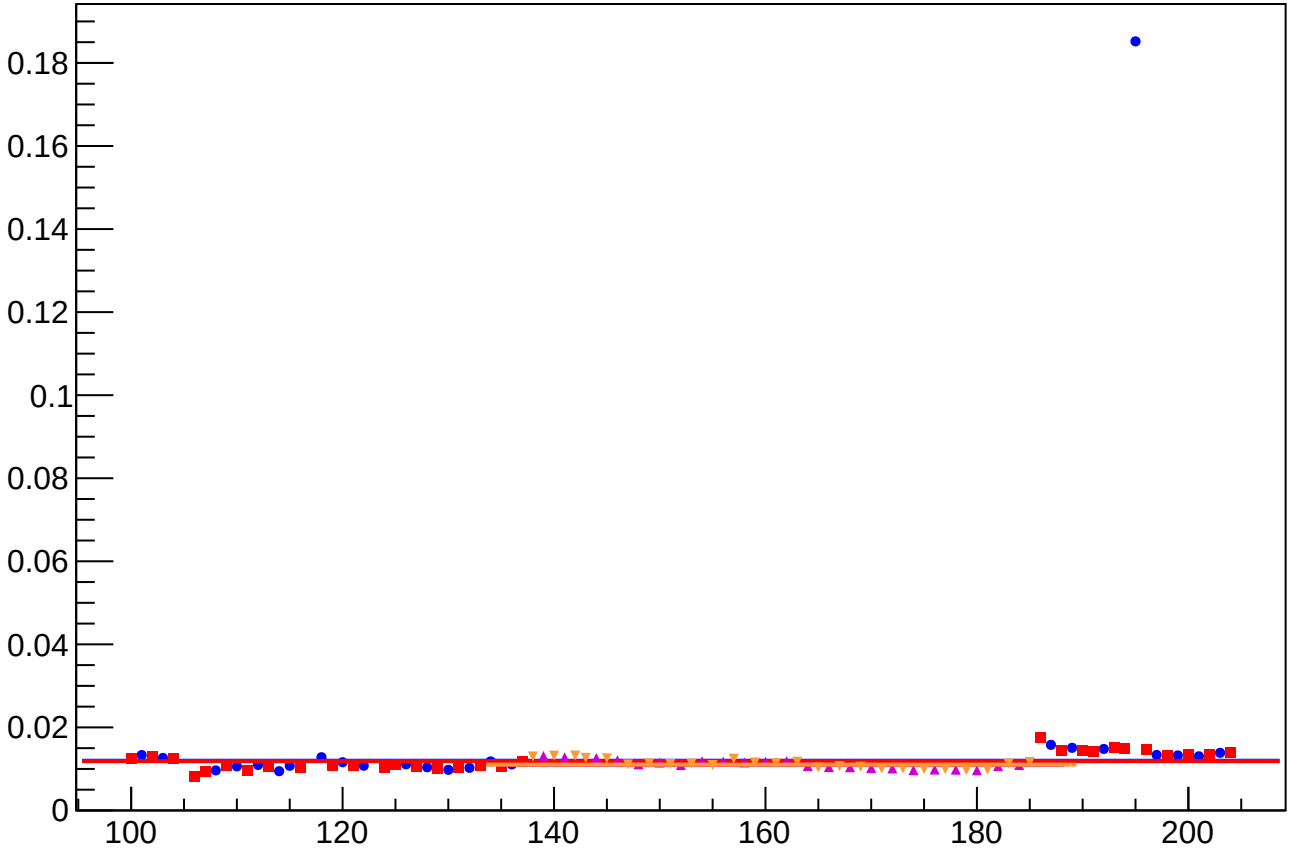
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.887+/-0.000 χ^2/NDF: 65023547898.0/48

All: 0.909+/-0.000 χ^2/NDF: 132750461356.6

- sign 0.929+/-0.000 χ^2/NDF: 67523739688.0/52

yield_bpm0l09X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1974948.3/23

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 779108.2/29

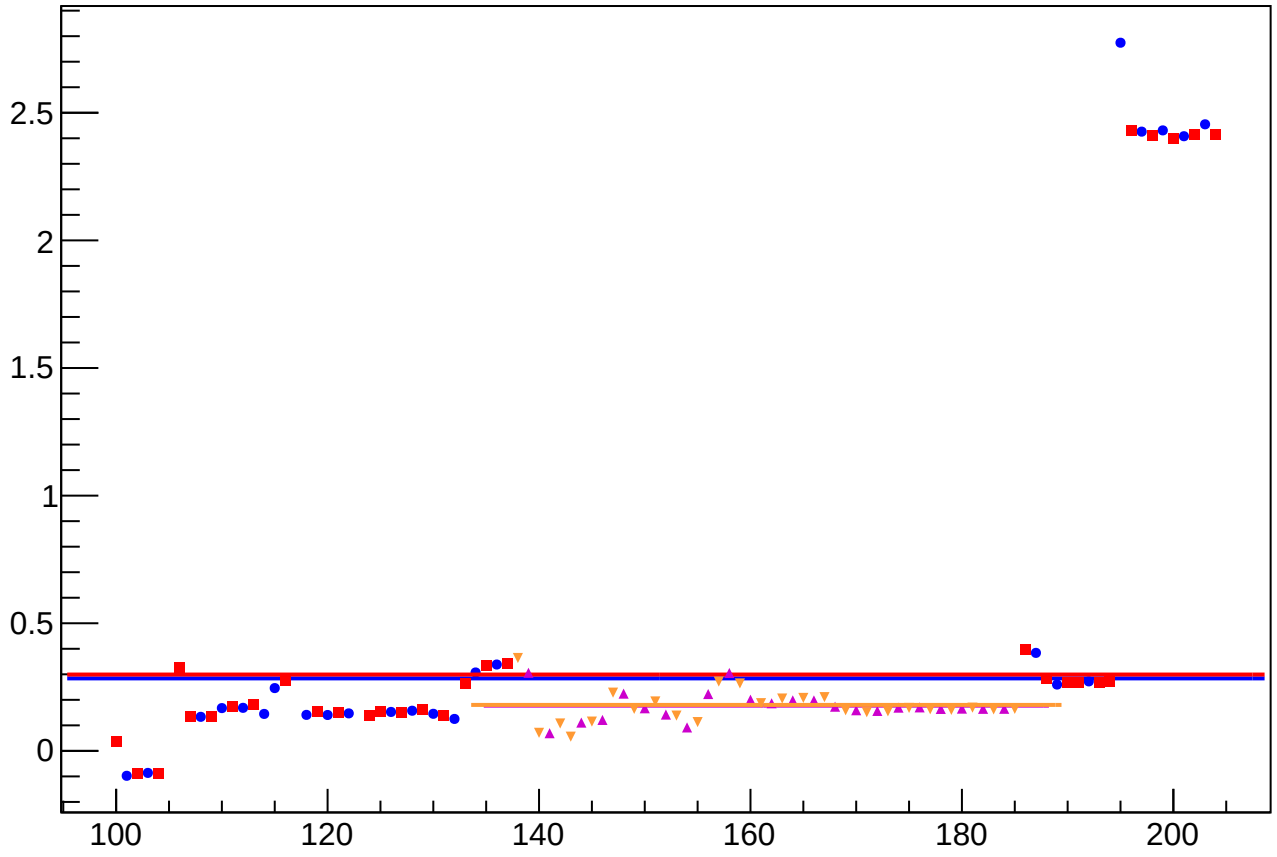
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2367992.8/48

All: 0.011+/-0.000 χ^2/NDF: 3533756.0/101

- sign 0.011+/-0.000 χ^2/NDF: 1165656.3/52

yield_bpm0l09Y_mean vs Slug



Right In: 0.284+/-0.000 χ^2/NDF: 106528900158.6/23

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.299+/-0.000 χ^2/NDF: 112645773453.5/29

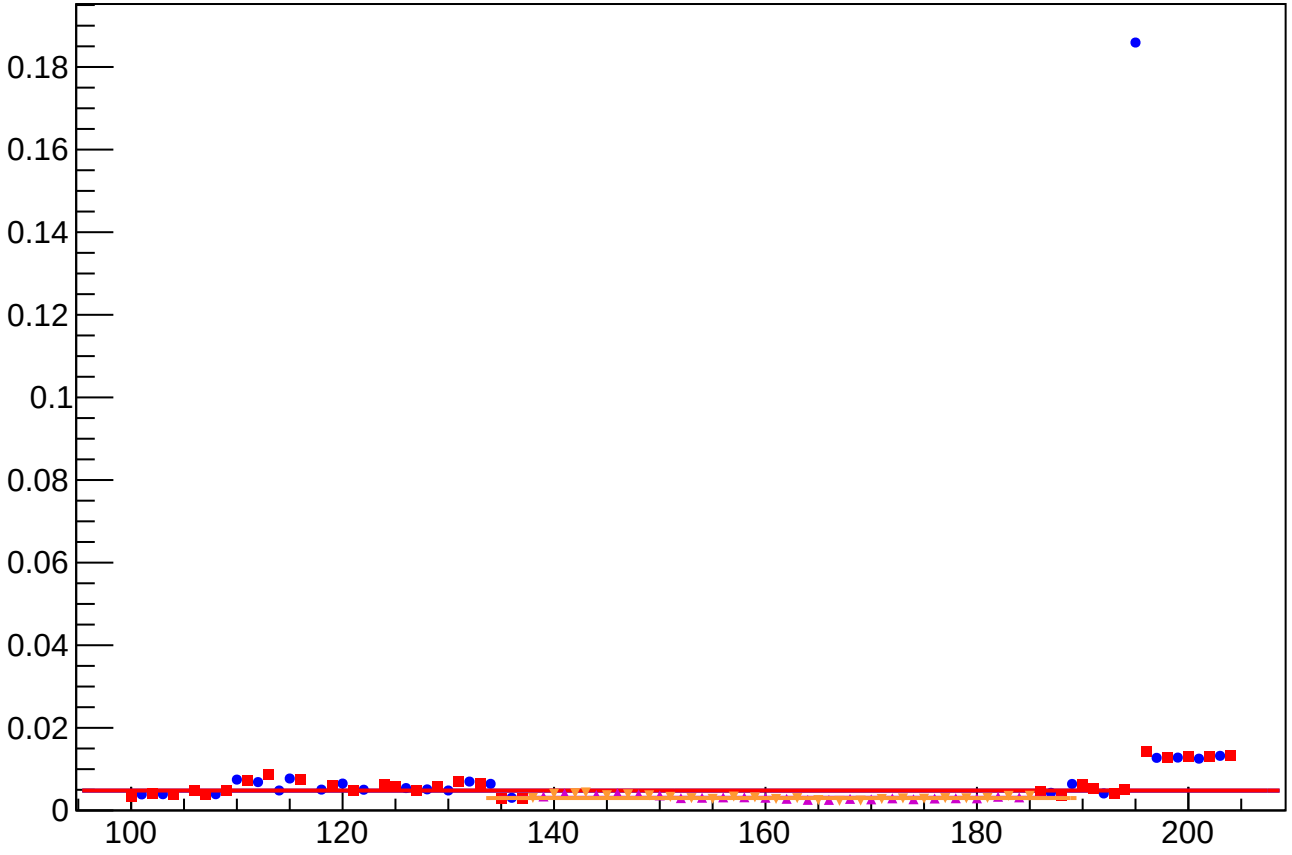
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.198+/-0.000 χ^2/NDF: 116574828730.0/48

All: 0.200+/-0.000 χ^2/NDF: 239490067036.2

- sign 0.203+/-0.000 χ^2/NDF: 122881493681.5/52

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 5389624.7/23

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

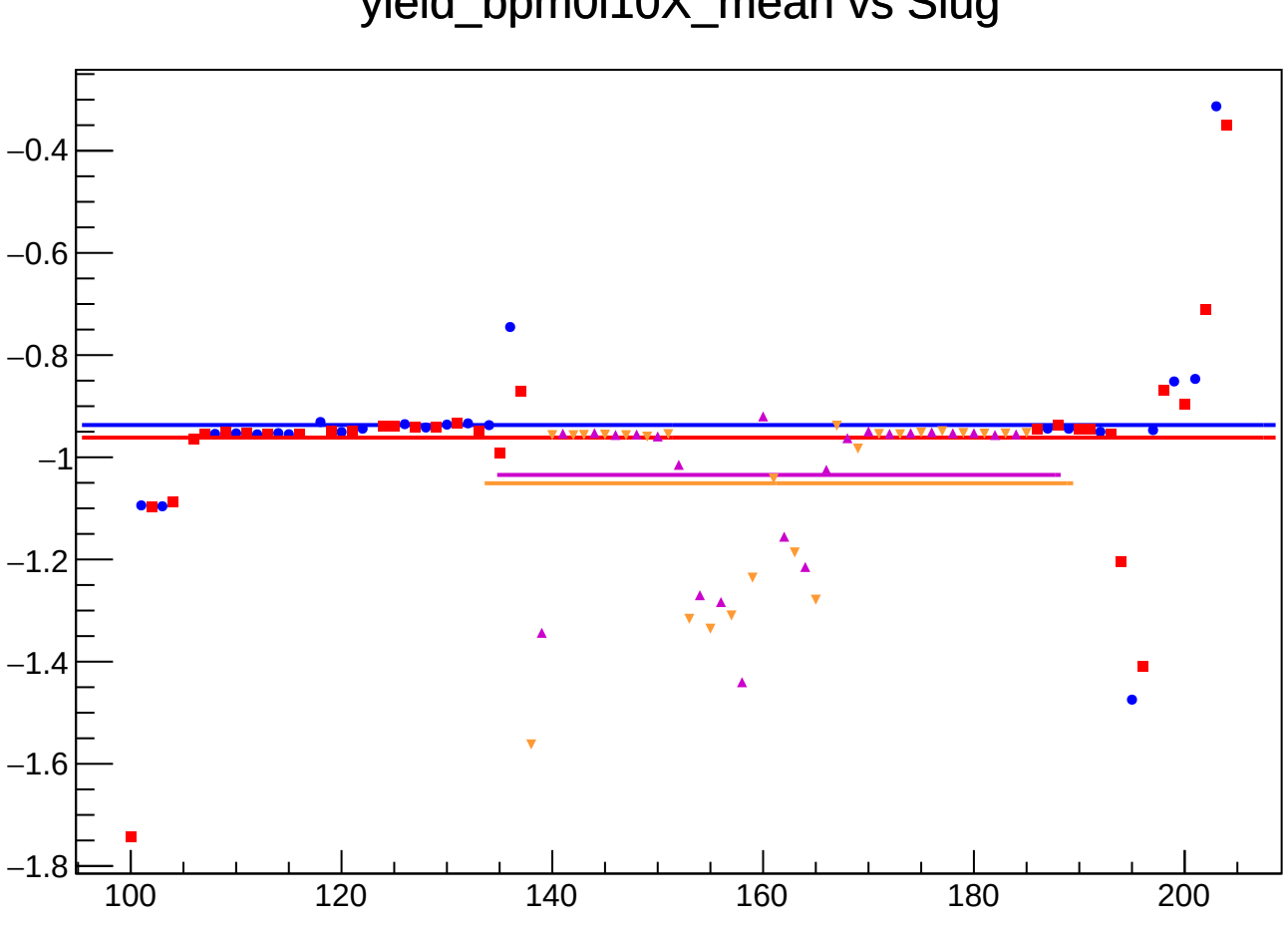
Right Out: 0.005+/-0.000 χ^2/NDF: 4507227.3/29

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 8415209.5/48

All: 0.003+/-0.000 χ^2/NDF: 15881217.2/101

- sign 0.003+/-0.000 χ^2/NDF: 7420354.9/52



Right In: -0.937+/-0.000 χ^2/NDF: 3463281777.2/23

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

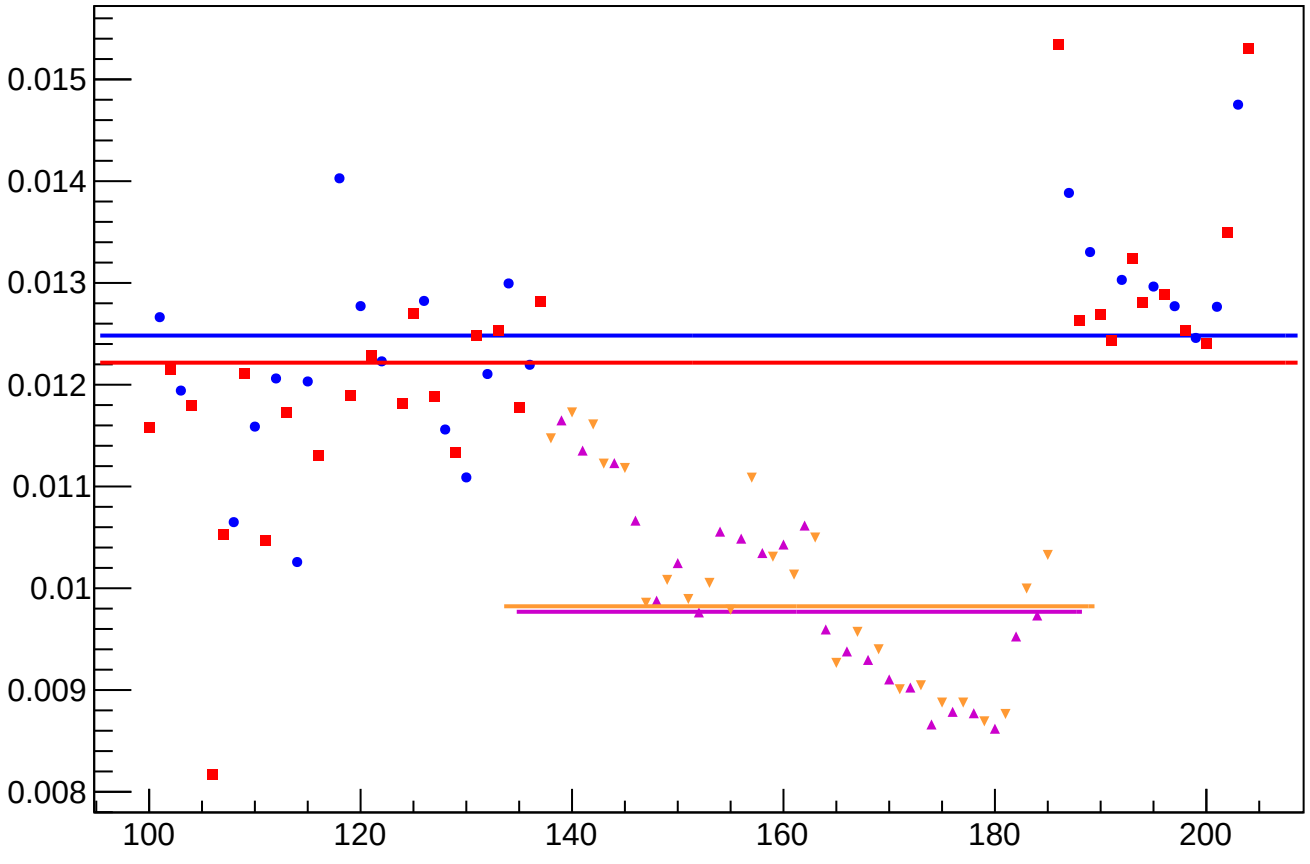
Right Out: -0.961+/-0.000 χ^2/NDF: 3456231864.1/29

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.017+/-0.000 χ^2/NDF: 9287880965.1/48

All: -1.013+/-0.000 χ^2/NDF: 17023178228.4/

- sign -1.009+/-0.000 χ^2/NDF: 7726415030.5/52



Right In: 0.012+/-0.000 χ^2/NDF: 134929.2/23

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

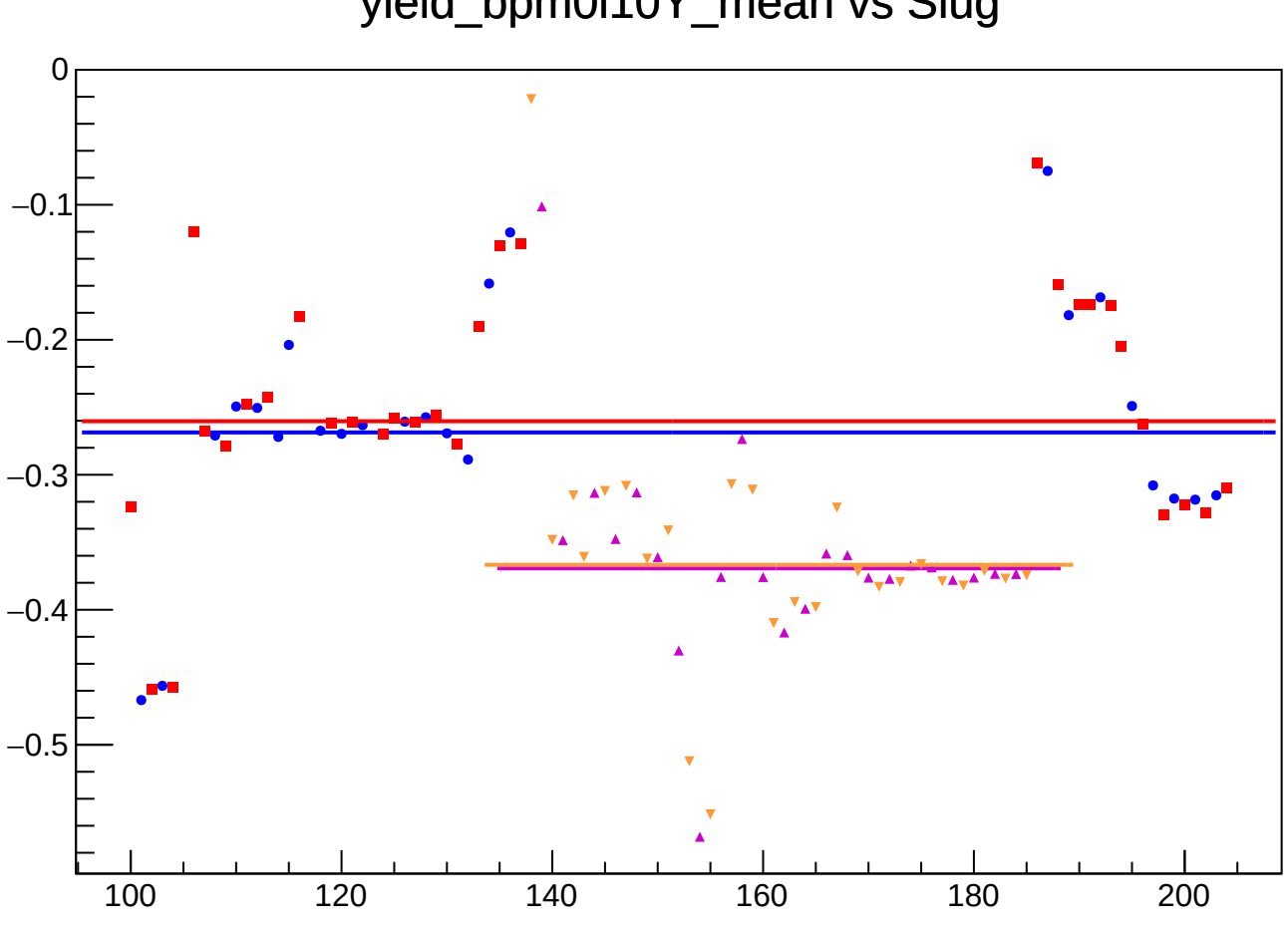
Right Out: 0.012+/-0.000 χ^2/NDF: 342630.9/29

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF: 1237478.1/48

All: 0.011+/-0.000 χ^2/NDF: 2635177.4/101

- sign 0.011+/-0.000 χ^2/NDF: 1397657.3/52



Right In: -0.269+/-0.000 χ^2/NDF: 7708547387.0/23

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.260+/-0.000 χ^2/NDF: 8183842917.1/29

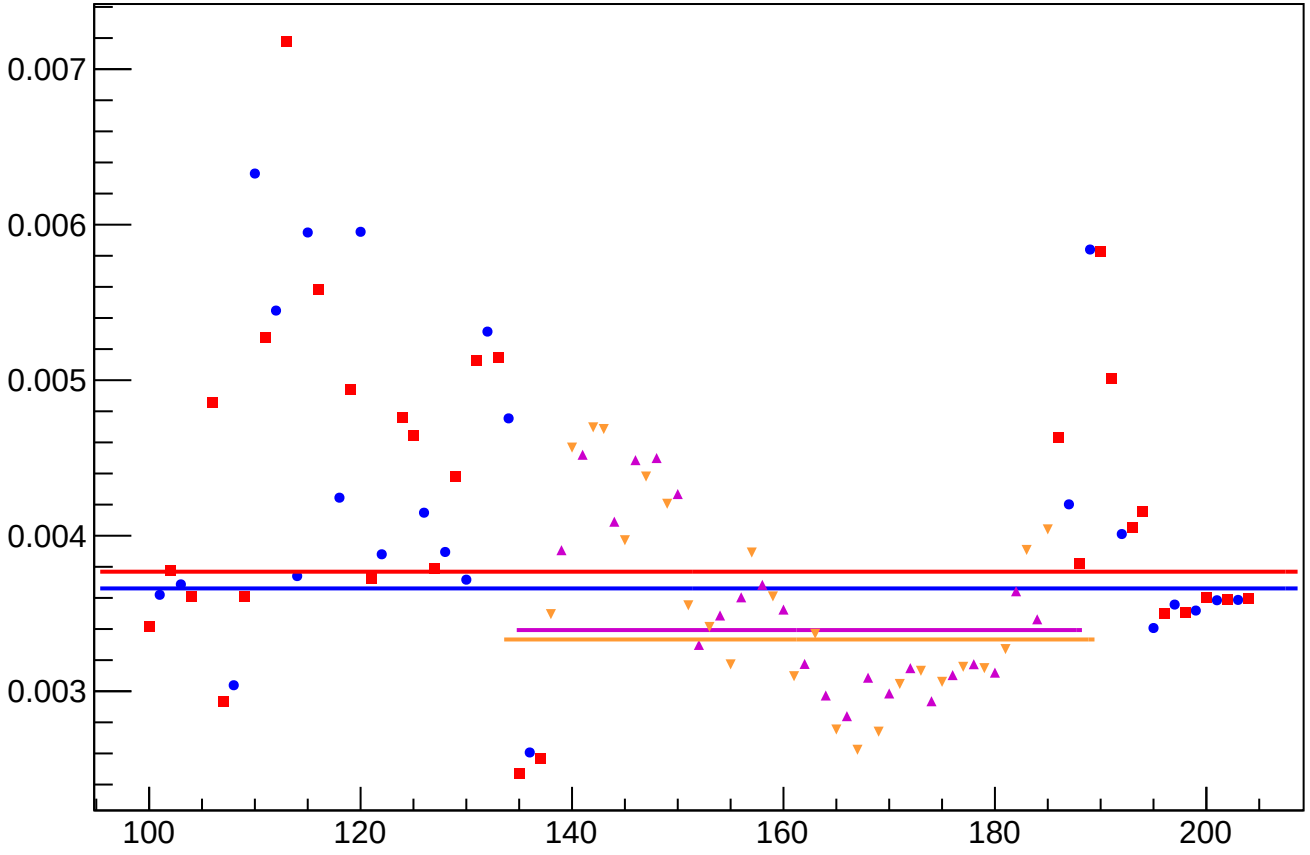
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.332+/-0.000 χ^2/NDF: 24987036640.0/48

All: -0.329+/-0.000 χ^2/NDF: 47623938111.2/

- sign -0.326+/-0.000 χ^2/NDF: 22587535433.4/52

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 902846.1/23

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1082313.5/29

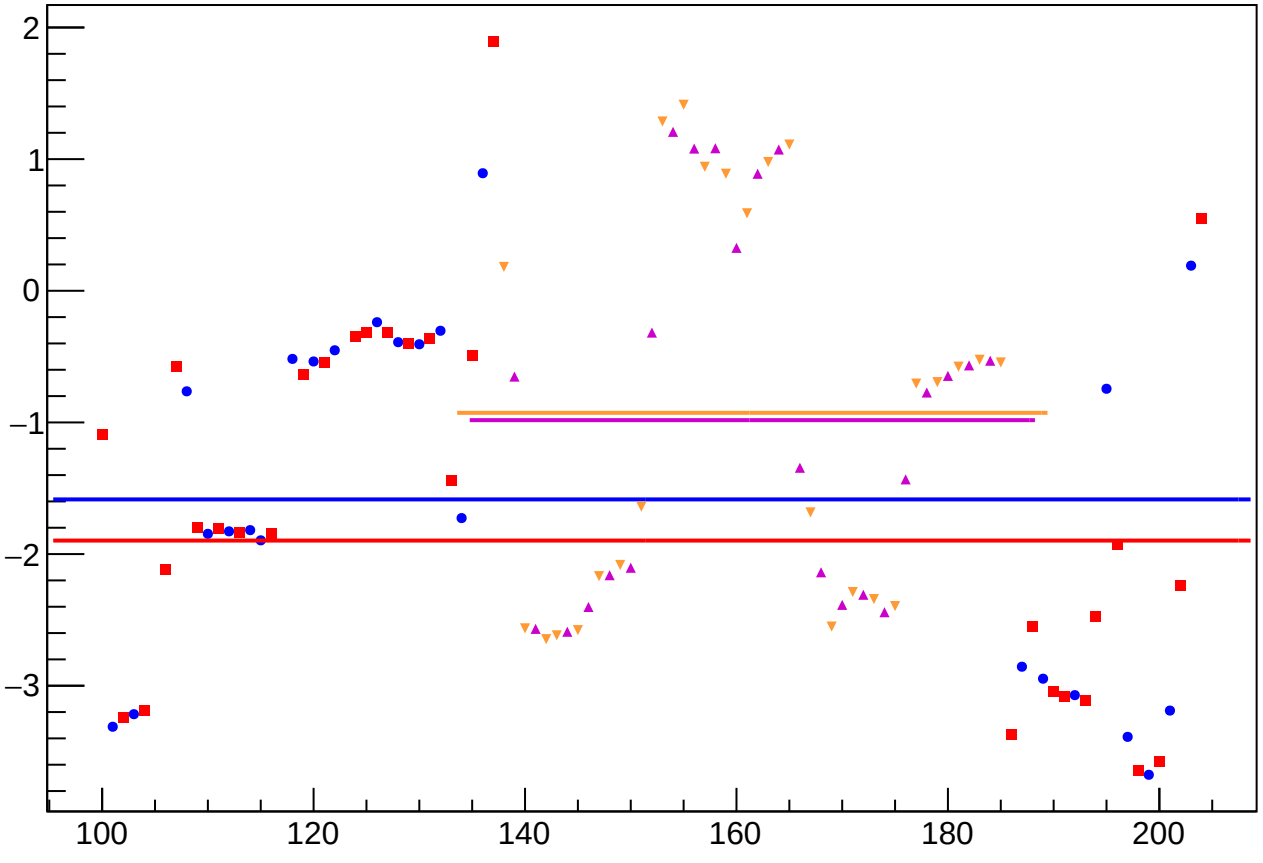
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1880114.3/48

All: 0.003+/-0.000 χ^2/NDF: 3779606.2/101

- sign 0.004+/-0.000 χ^2/NDF: 1877733.4/52

yield_bpm0r03X_mean vs Slug



Right In: -1.585+/-0.000 χ^2/NDF: 5253098952.7/23

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.897+/-0.000 χ^2/NDF: 4615679592.8/29

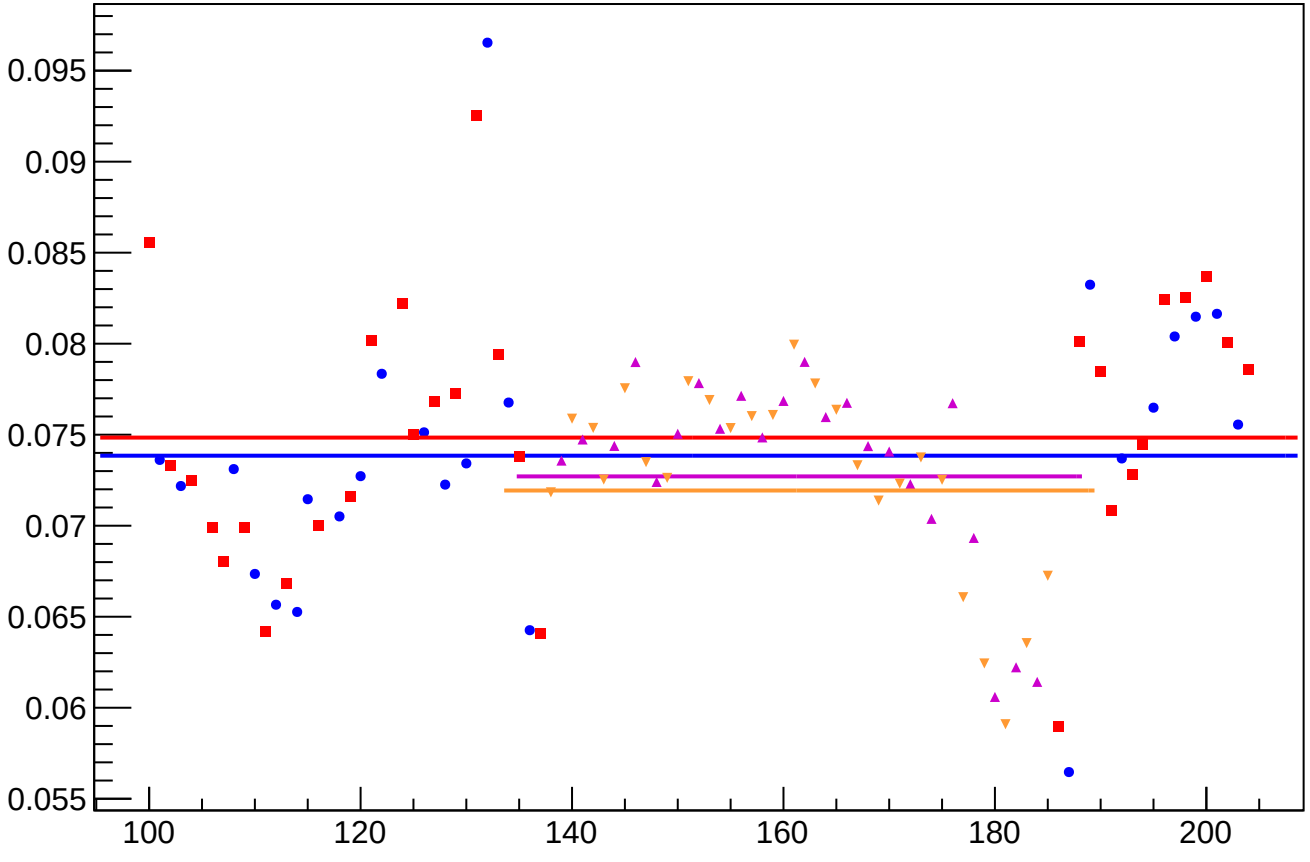
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.184+/-0.000 χ^2/NDF: 13122410962.5/48

All: -1.287+/-0.000 χ^2/NDF: 25038496663.9/

- sign -1.388+/-0.000 χ^2/NDF: 11790534306.0/52

yield_bpm0r03X_rms vs Slug



Right In: 0.074+/-0.000 χ^2/NDF: 205620.6/23

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

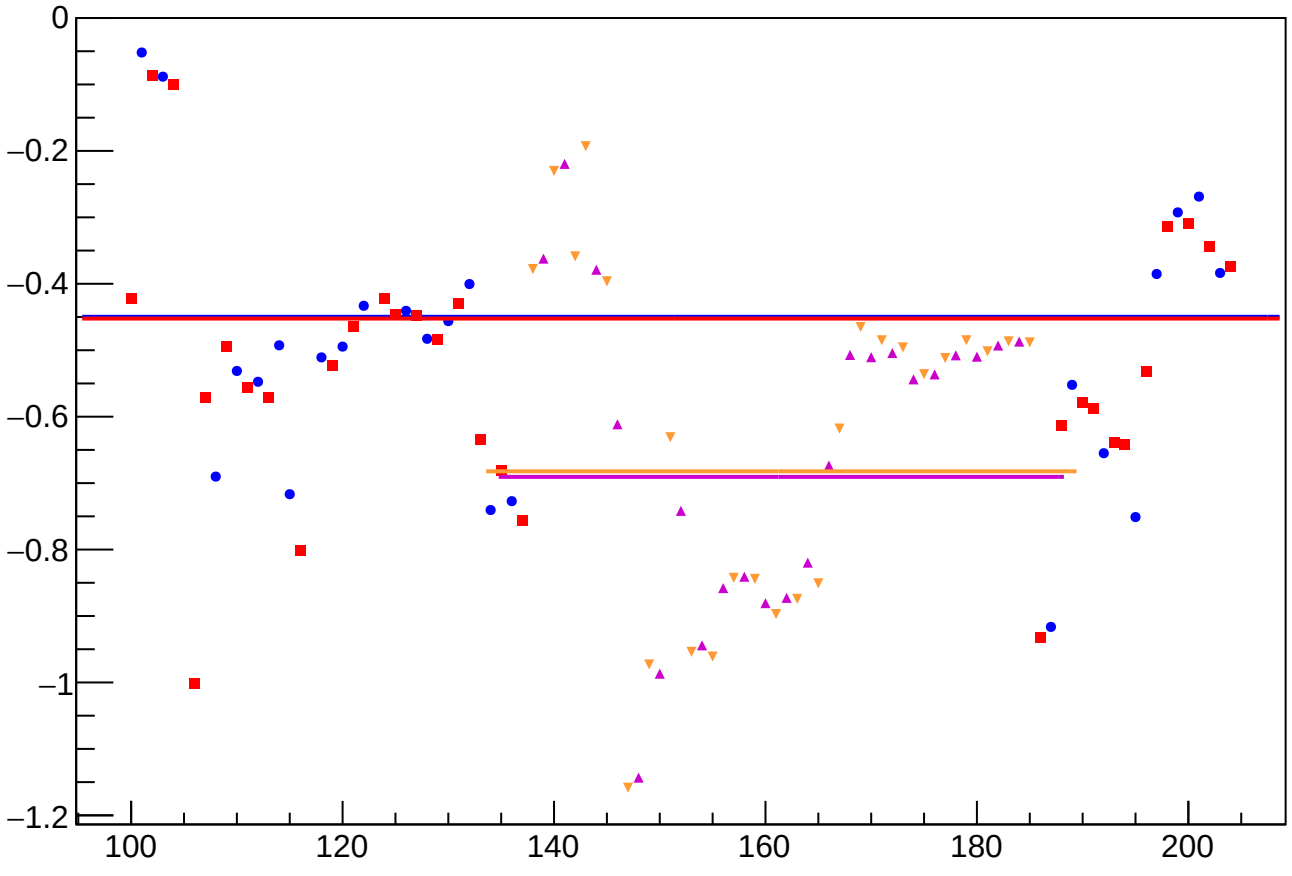
Right Out: 0.075+/-0.000 χ^2/NDF: 238769.6/29

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.073+/-0.000 χ^2/NDF: 451646.3/48

All: 0.073+/-0.000 χ^2/NDF: 906779.0/101

- sign 0.074+/-0.000 χ^2/NDF: 449423.7/52



Right In: -0.450+/-0.000 χ^2/NDF: 7449214970.2/23

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

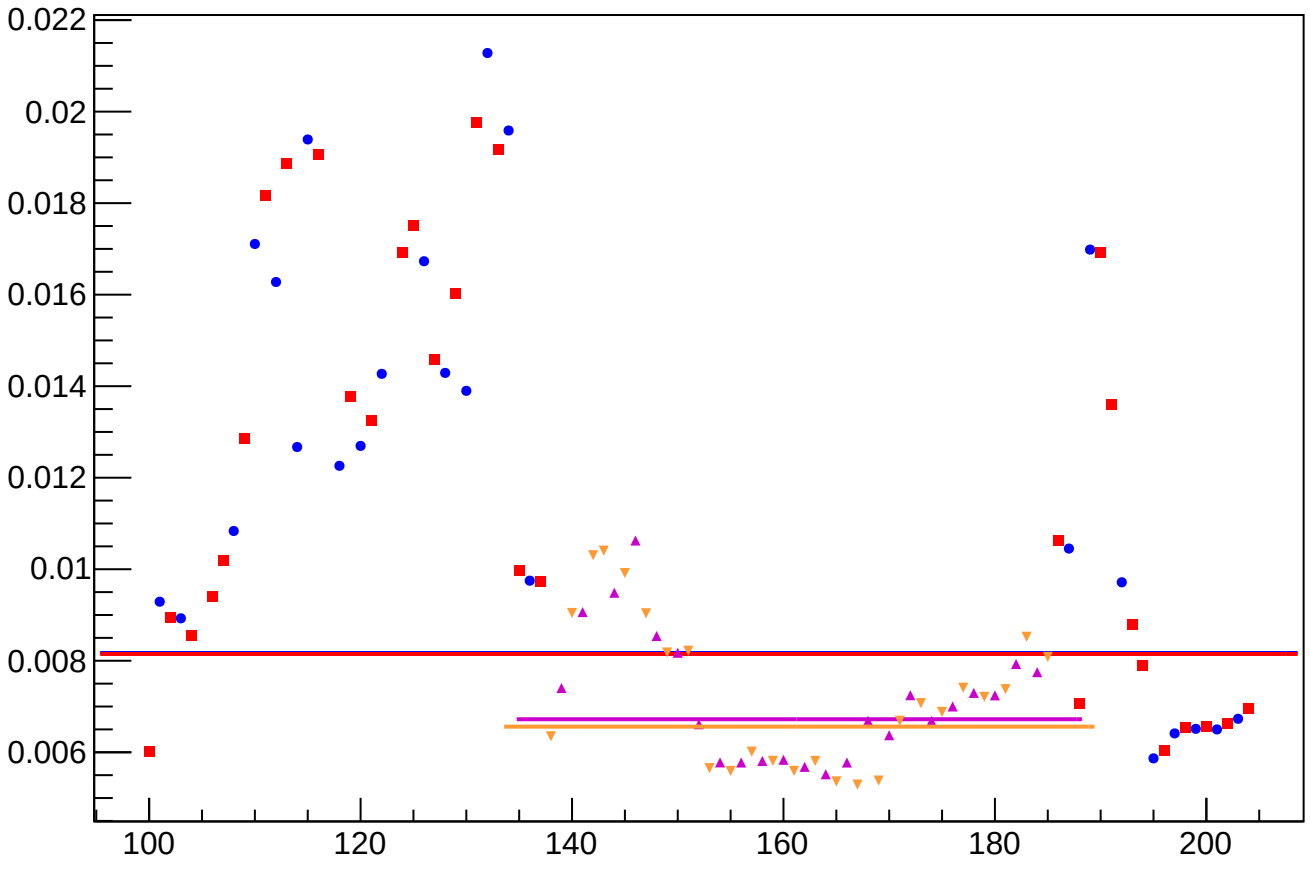
Right Out: -0.452+/-0.000 χ^2/NDF: 6438492209.8/29

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.616+/-0.000 χ^2/NDF: 35514853327.5/48

All: -0.613+/-0.000 χ^2/NDF: 65904567144.9/

- sign -0.610+/-0.000 χ^2/NDF: 30378846355.4/52



Right In: 0.008+/-0.000 χ^2/NDF: 2842693.6/23

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

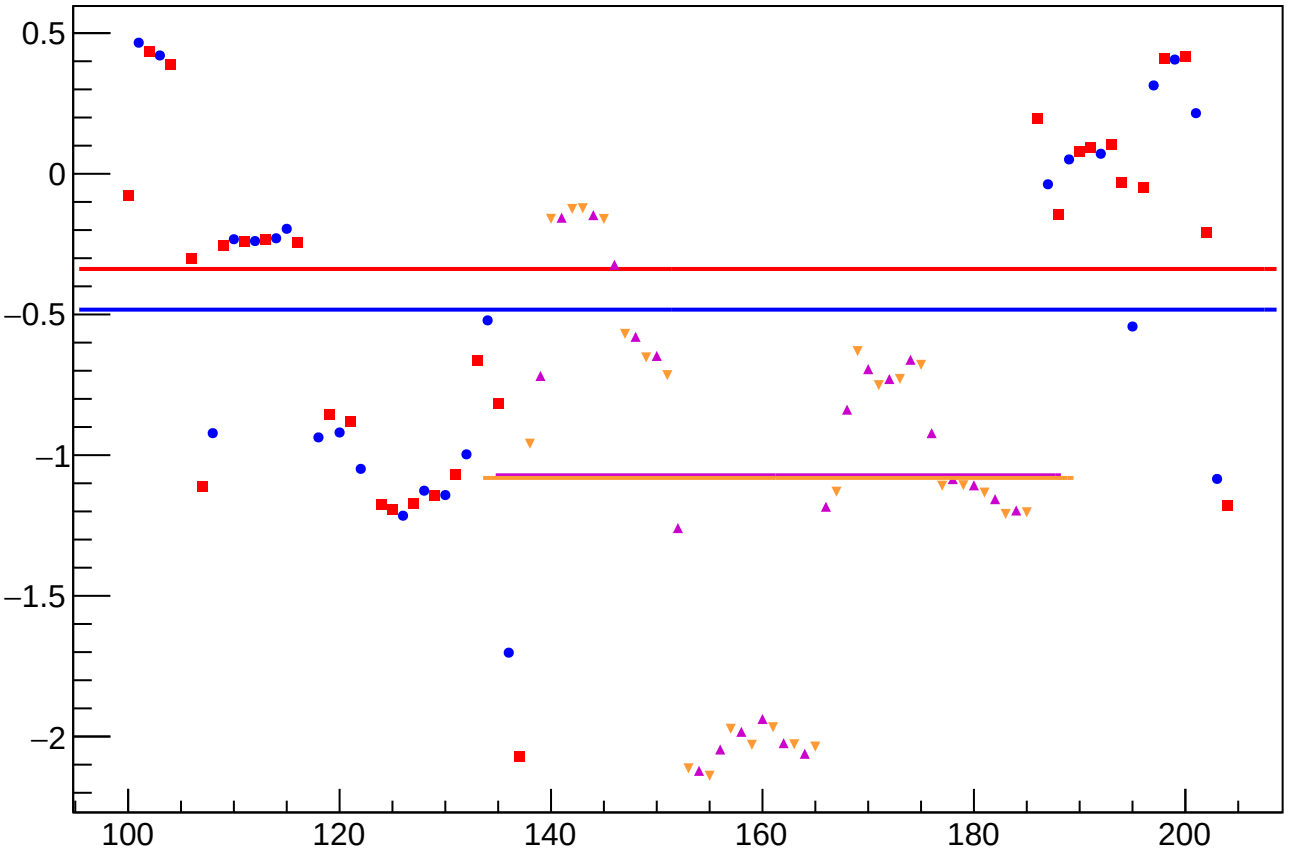
Right Out: 0.008+/-0.000 χ^2/NDF: 3056656.5/29

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4844193.2/48

All: 0.007+/-0.000 χ^2/NDF: 9388344.2/101

- sign 0.007+/-0.000 χ^2/NDF: 4524308.4/52



Right In: -0.483+/-0.000 χ^2/NDF: 736095295.4/23

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.338+/-0.000 χ^2/NDF: 633772892.4/29

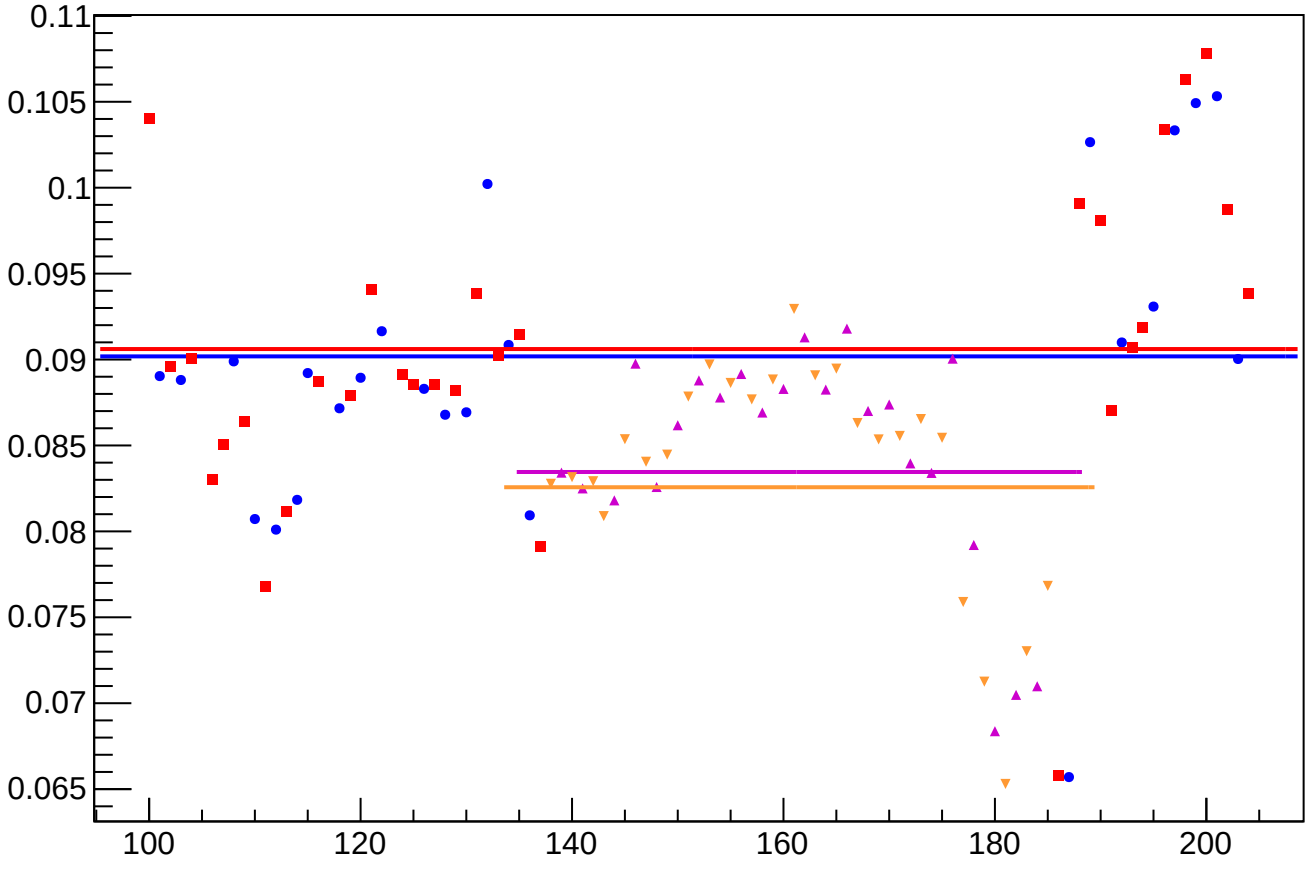
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.863+/-0.000 χ^2/NDF: 2252944941.3/48

All: -0.814+/-0.000 χ^2/NDF: 4465498898.7/1

- sign -0.766+/-0.000 χ^2/NDF: 2191493799.3/52

yield_bpm0r05X_rms vs Slug



Right In: 0.090+/-0.000 χ^2/NDF: 229126.1/23

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.091+/-0.000 χ^2/NDF: 325048.7/29

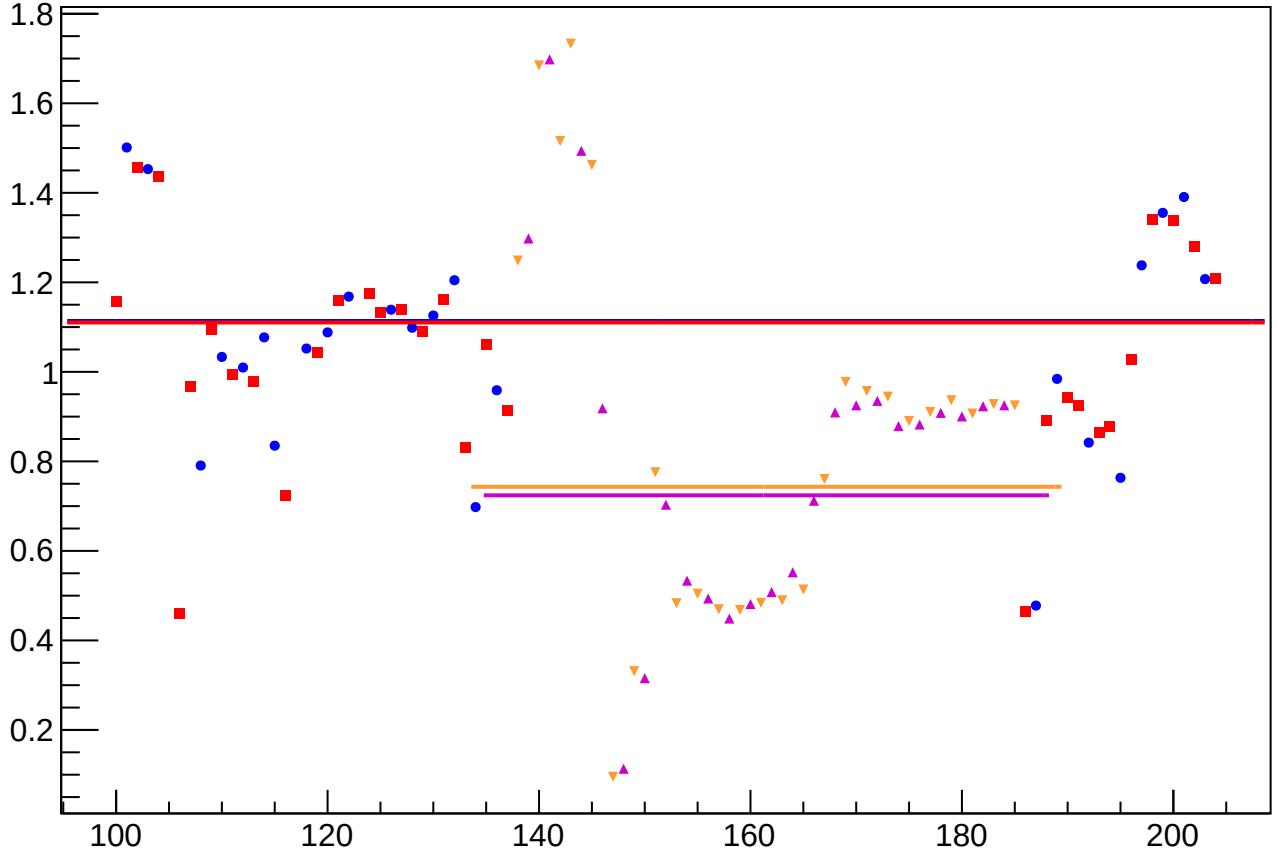
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.085+/-0.000 χ^2/NDF: 638455.3/48

All: 0.086+/-0.000 χ^2/NDF: 1318111.5/101

- sign 0.086+/-0.000 χ^2/NDF: 674286.0/52

yield_bpm0r05Y_mean vs Slug



Right In: 1.114+/-0.000 χ^2/NDF: 4992283332.6/23

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.110+/-0.000 χ^2/NDF: 4643179477.0/29

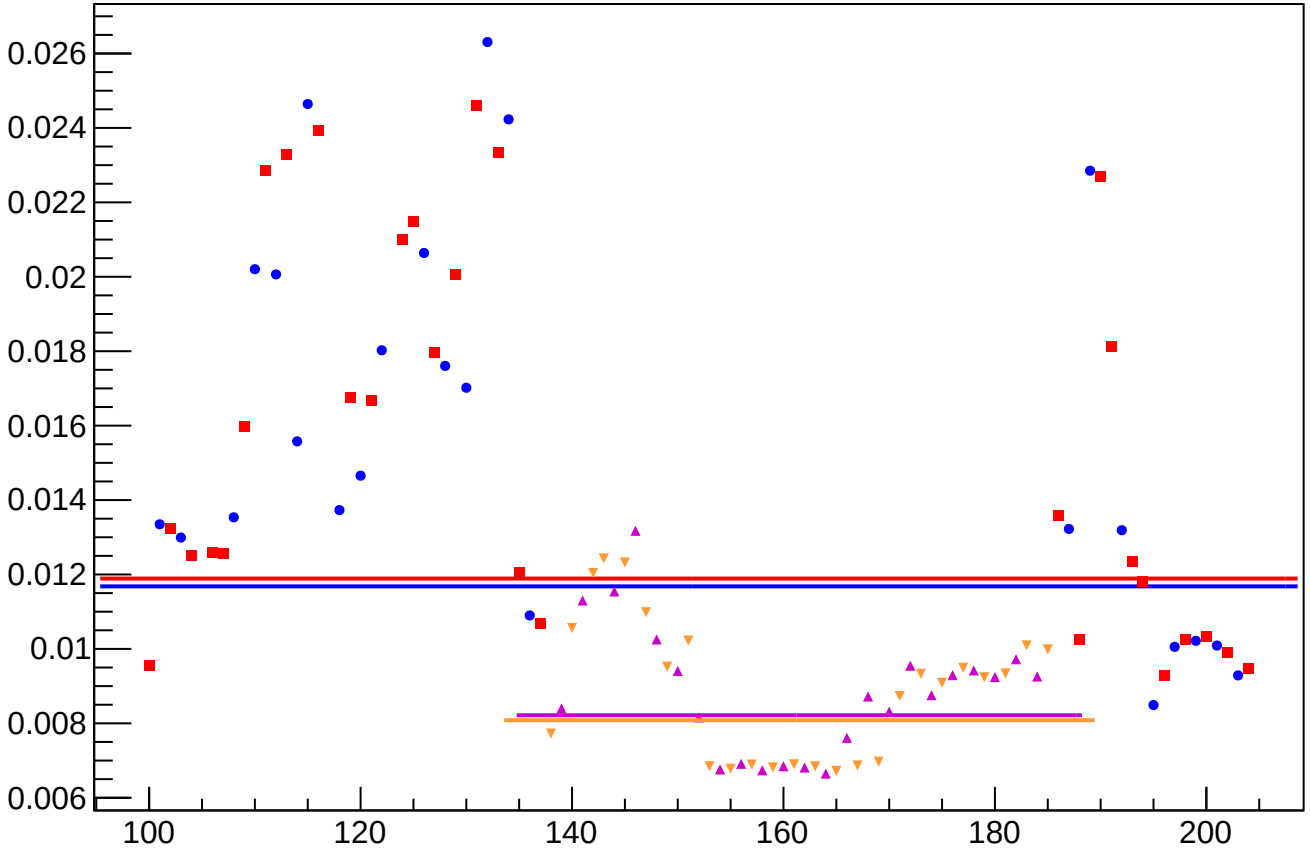
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.829+/-0.000 χ^2/NDF: 46207010786.0/48

All: 0.829+/-0.000 χ^2/NDF: 86508159613.7/1

- sign 0.829+/-0.000 χ^2/NDF: 40301120264.3/52

yield_bpm0r05Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1907721.7/23

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2078770.8/29

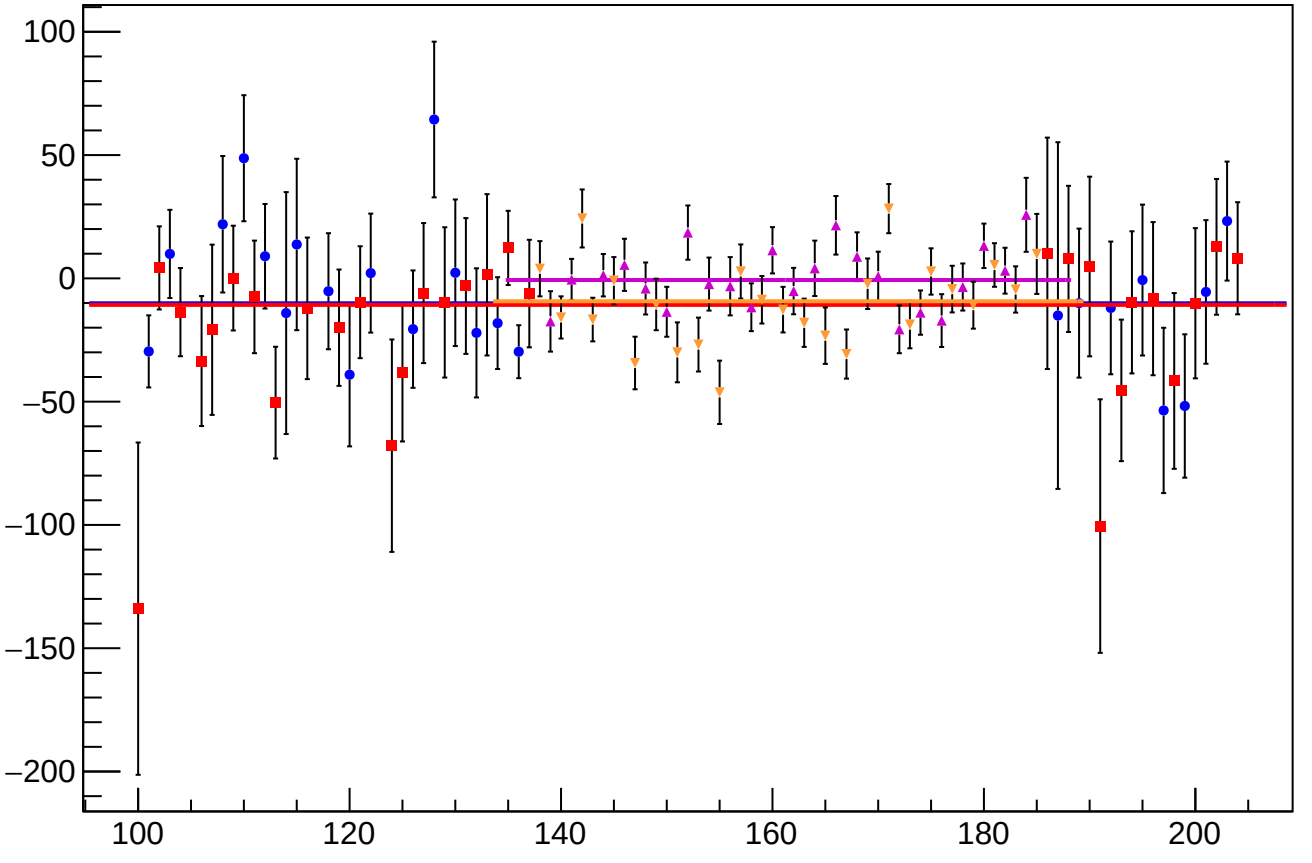
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4942638.6/48

All: 0.009+/-0.000 χ^2/NDF: 9988626.8/101

- sign 0.009+/-0.000 χ^2/NDF: 5015967.8/52

diff_bpm4aX_mean vs Slug



Right In: -10.107+/-4.744 χ^2/NDF: 27.7/23

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: -10.748+/-4.746 χ^2/NDF: 21.3/29

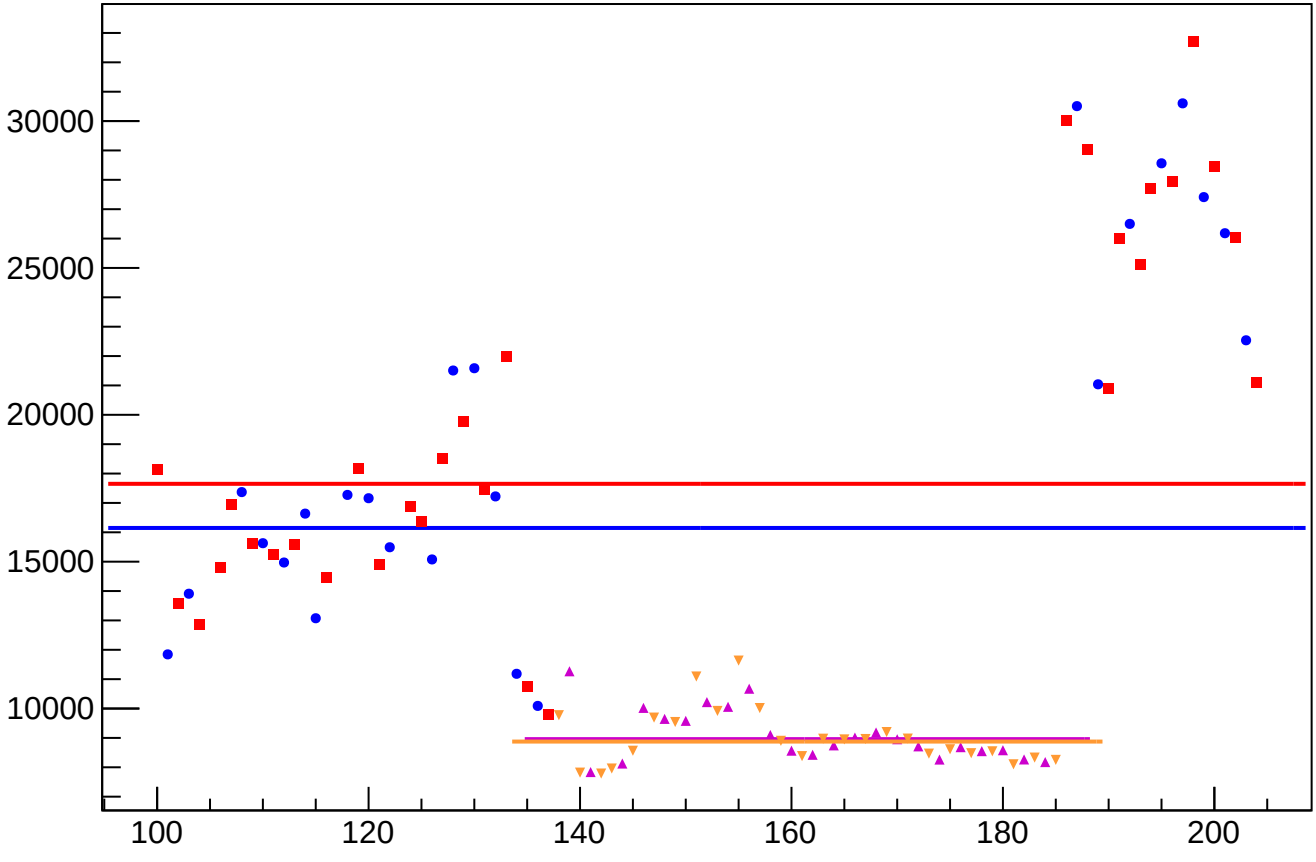
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.418+/-1.867 χ^2/NDF: 88.9/48

All: -5.980+/-1.340 χ^2/NDF: 150.4/101

- sign -2.330+/-1.924 χ^2/NDF: 54.5/52

diff_bpm4aX_rms vs Slug



Right In: 16148.034+/-3.354 χ^2/NDF: 2961318.5/23

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

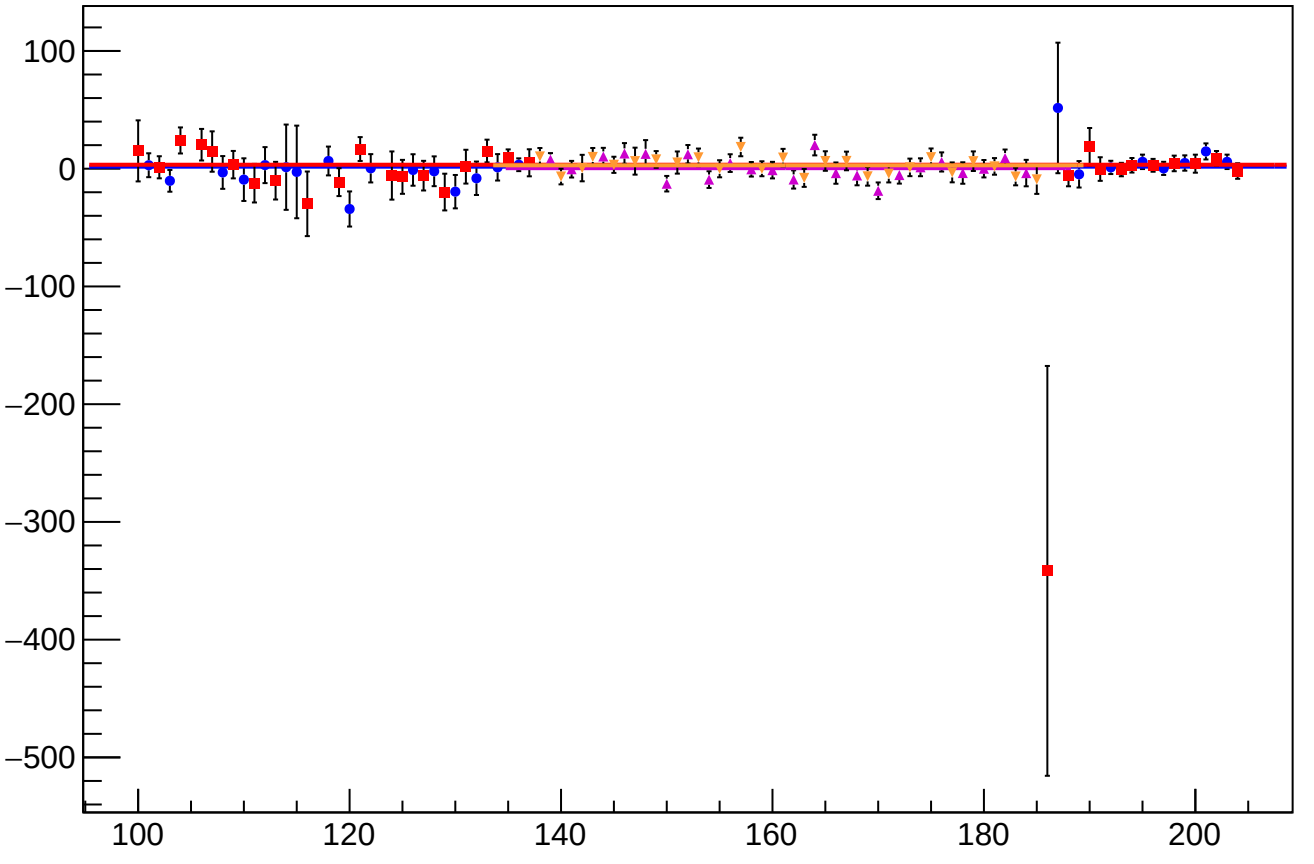
Right Out: 17650.446+/-3.356 χ^2/NDF: 3068921.4/29

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 10001.882+/-1.320 χ^2/NDF: 7281137.3/48

All: 10188.342+/-0.947 χ^2/NDF: 16298240.5

- sign 10386.341+/-1.360 χ^2/NDF: 8975959.9/52



Right In: 1.729+/-1.866 χ^2/NDF: 17.1/23

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

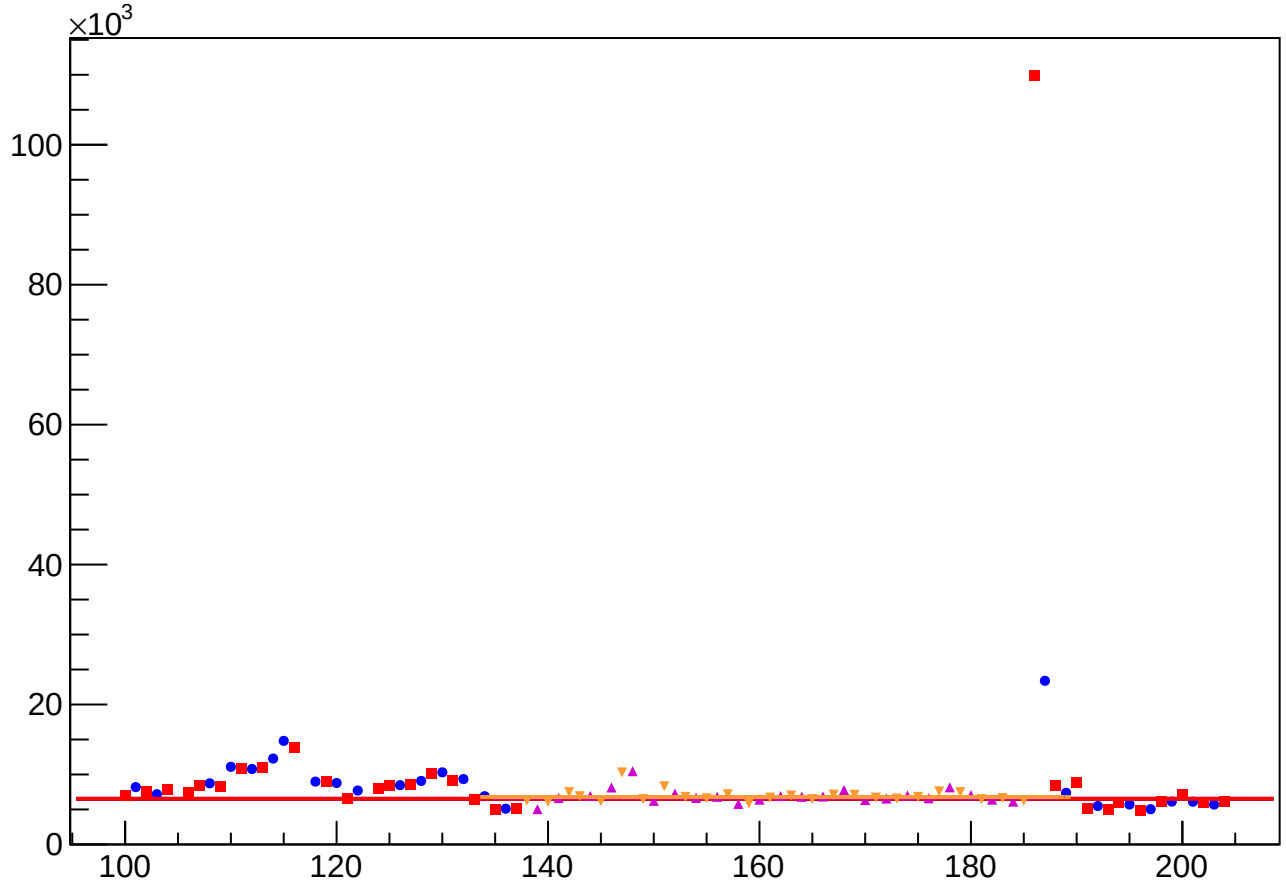
Right Out: 3.374+/-1.746 χ^2/NDF: 25.7/29

Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 2.408+/-1.194 χ^2/NDF: 36.8/48

All: 2.083+/-0.836 χ^2/NDF: 97.0/101

- sign 1.771+/-1.172 χ^2/NDF: 60.0/52



Right In: 6513.581+/-1.319 χ^2/NDF: 1656670.7/23

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

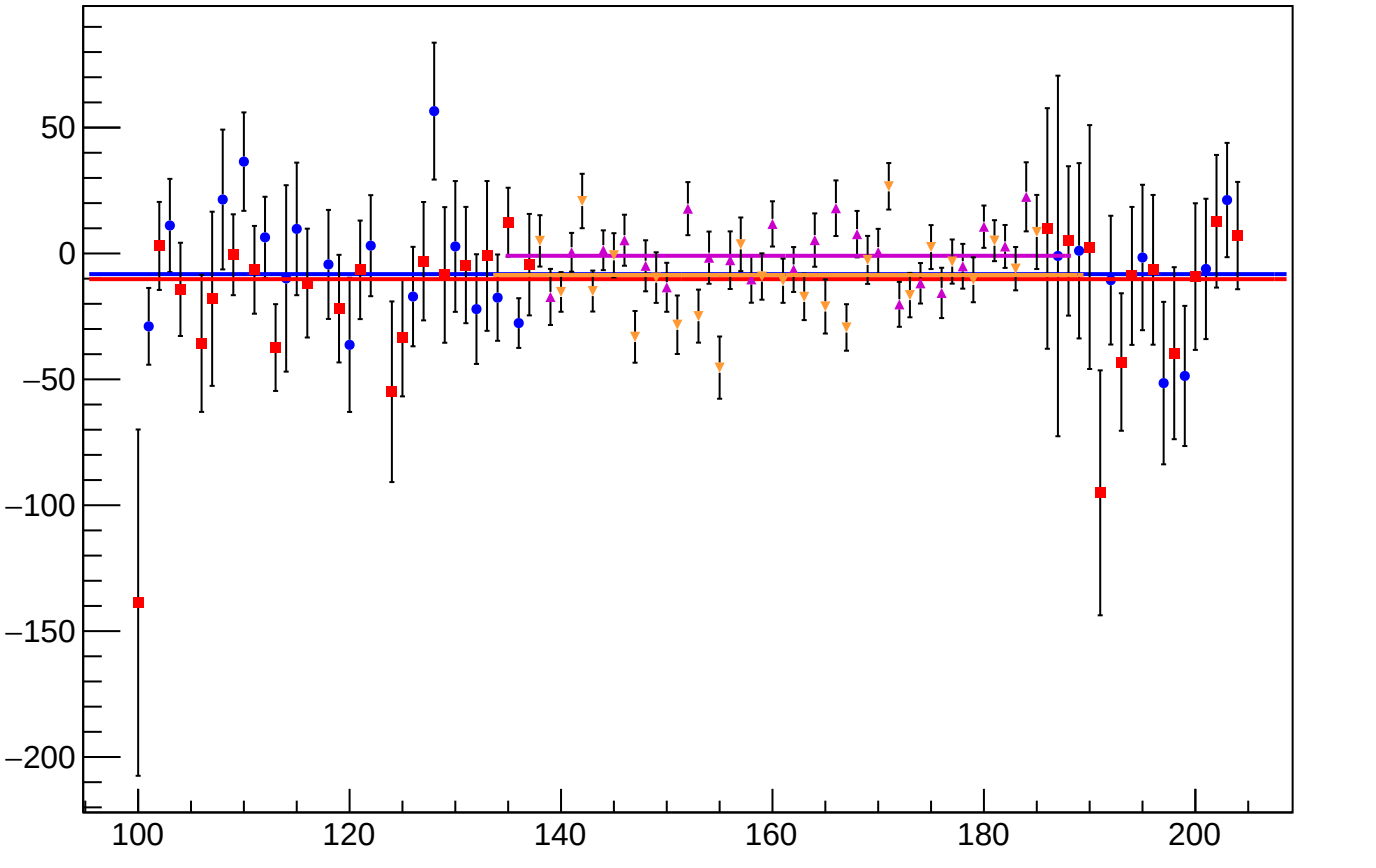
Right Out: 6525.298+/-1.235 χ^2/NDF: 2332432.0/29

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6668.969+/-0.844 χ^2/NDF: 2080332.4/48

All: 6641.755+/-0.591 χ^2/NDF: 5044804.8/10

- sign 6615.527+/-0.829 χ^2/NDF: 2962431.9/52



Right In: -8.206+/-4.320 χ^2/NDF: 28.4/23

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: -10.199+/-4.280 χ^2/NDF: 21.1/29

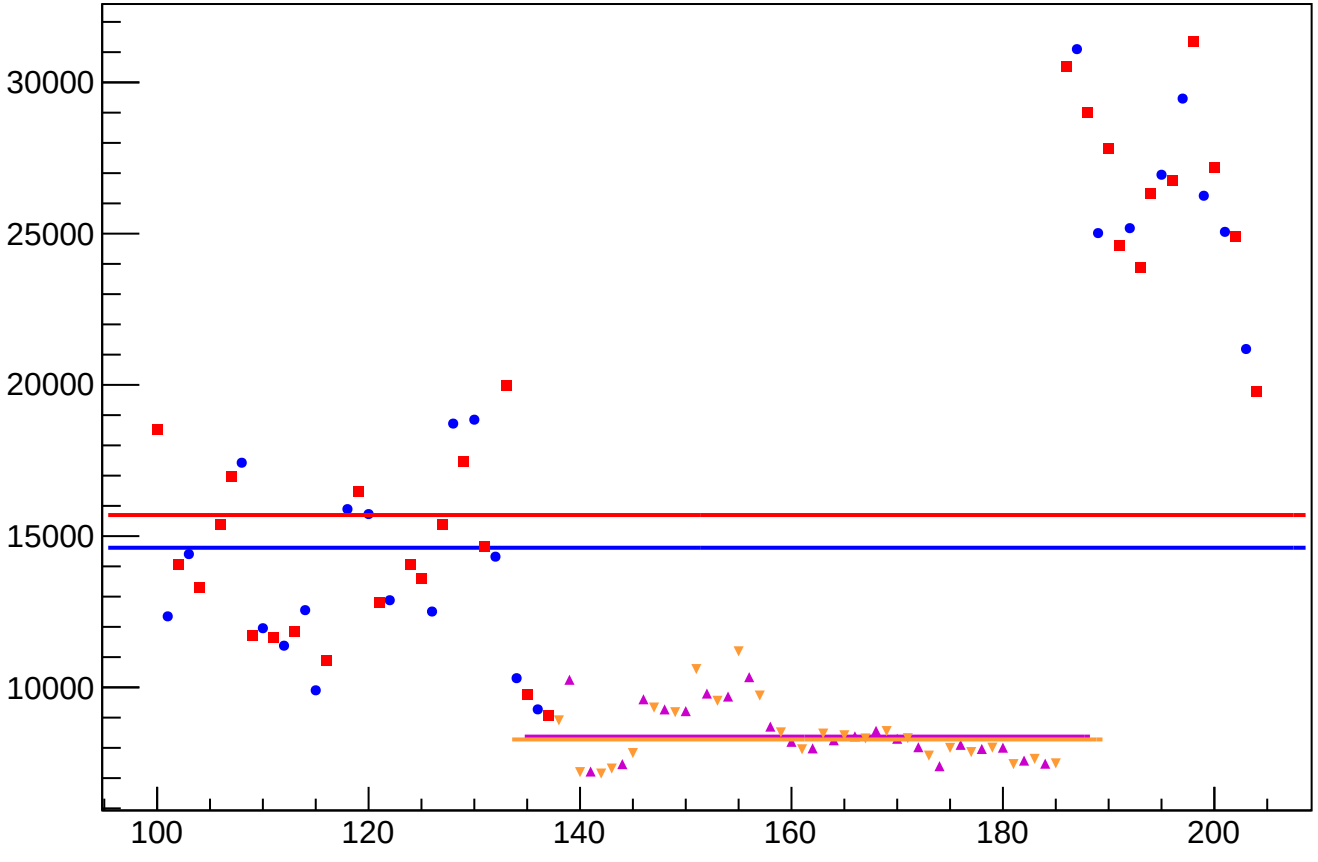
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -8.483+/-1.737 χ^2/NDF: 90.4/48

All: -5.599+/-1.246 χ^2/NDF: 150.1/101

- sign -2.540+/-1.789 χ^2/NDF: 54.1/52

diff_bpm4eX_rms vs Slug



Right In: 14615.880+/-3.055 χ^2/NDF: 3325119.0/23

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 15697.338+/-3.026 χ^2/NDF: 3794999.2/29

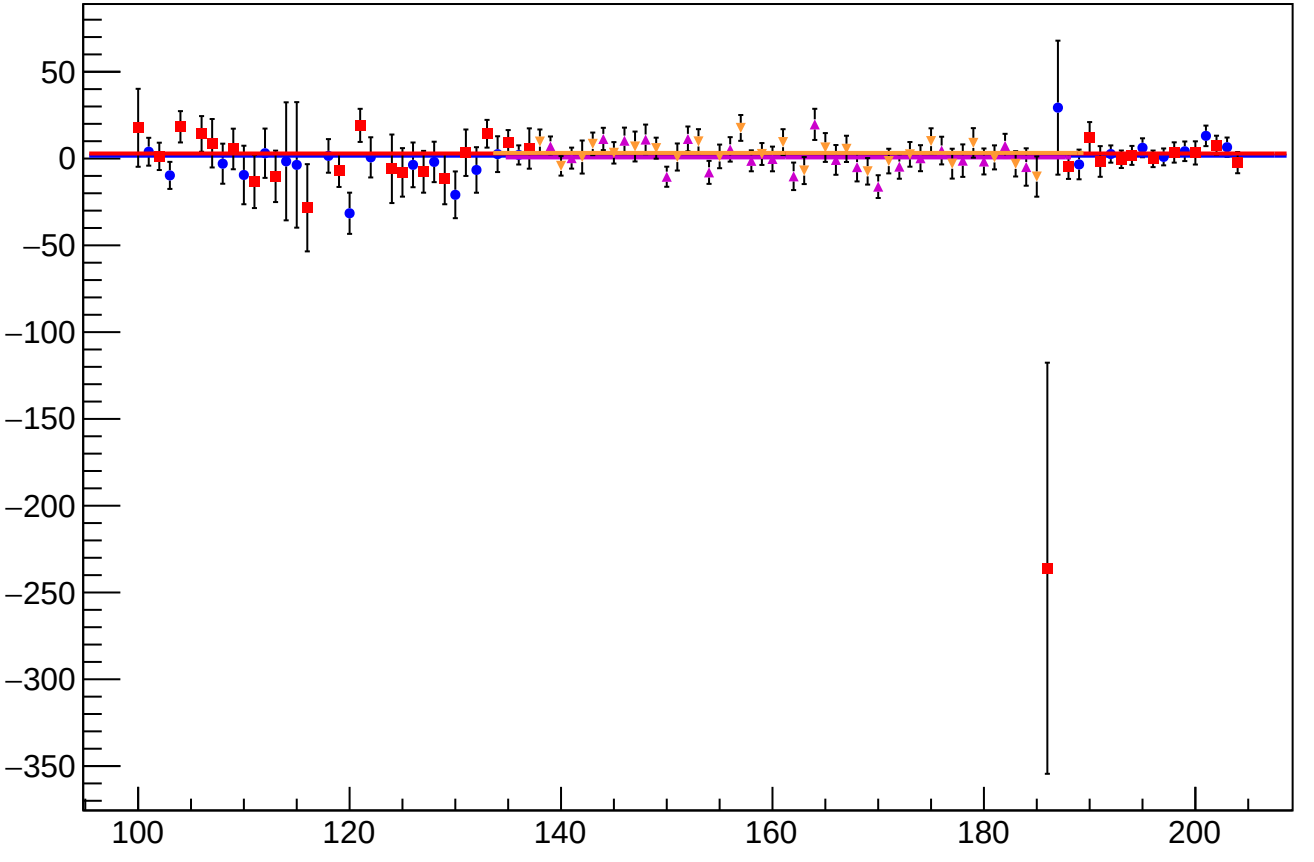
Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 9302.024+/-1.228 χ^2/NDF: 7389511.6/48

All: 9471.804+/-0.881 χ^2/NDF: 16452285.4/1

- sign 9651.910+/-1.265 χ^2/NDF: 9023381.1/52

diff_bpm4eY_mean vs Slug



Right In: 1.647+/-1.656 χ^2/NDF: 20.4/23

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

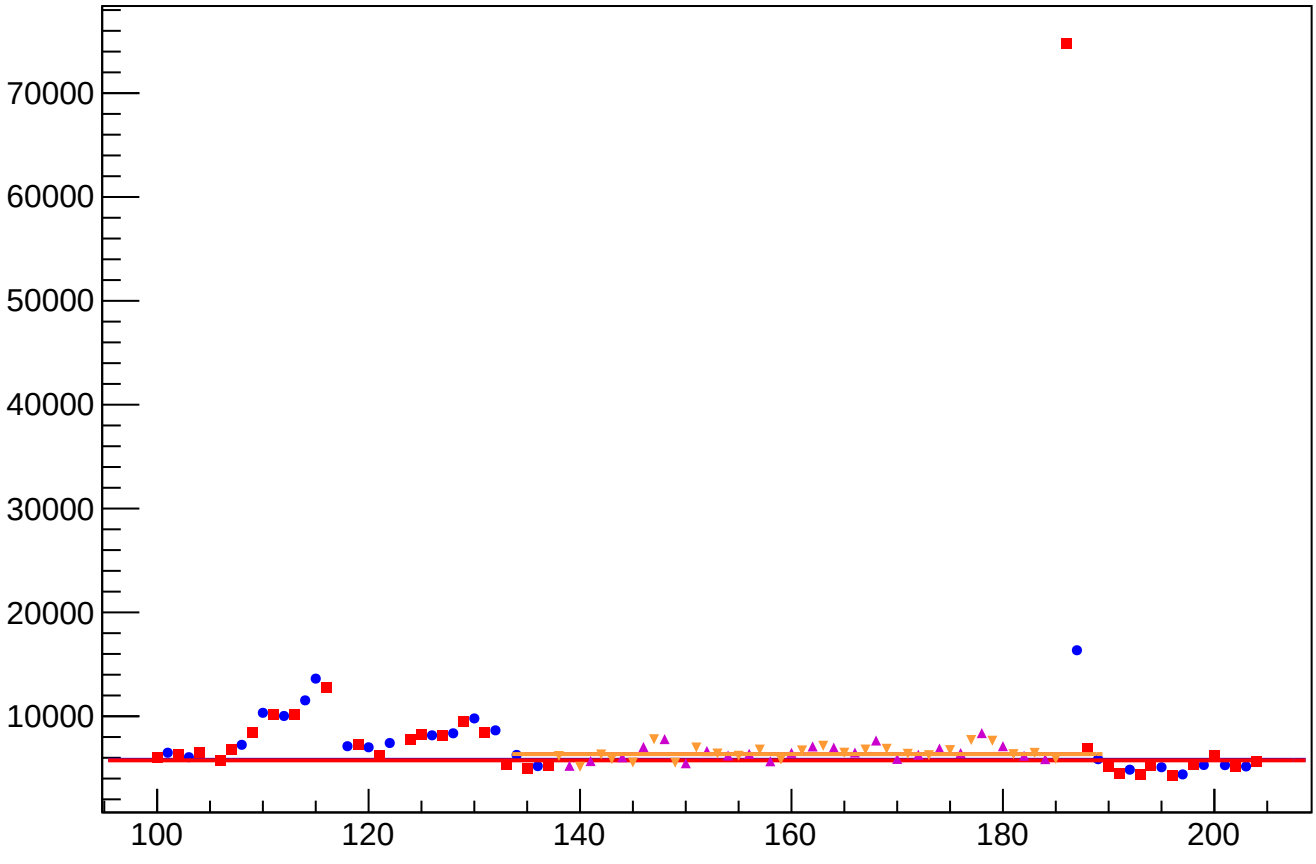
Right Out: 2.915+/-1.533 χ^2/NDF: 26.5/29

Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 2.553+/-1.094 χ^2/NDF: 38.6/48

All: 2.146+/-0.766 χ^2/NDF: 97.2/101

- sign 1.755+/-1.072 χ^2/NDF: 58.3/52



Right In: 5802.889+/-1.171 χ^2/NDF: 1556279.7/23

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5754.983+/-1.084 χ^2/NDF: 2292666.1/29

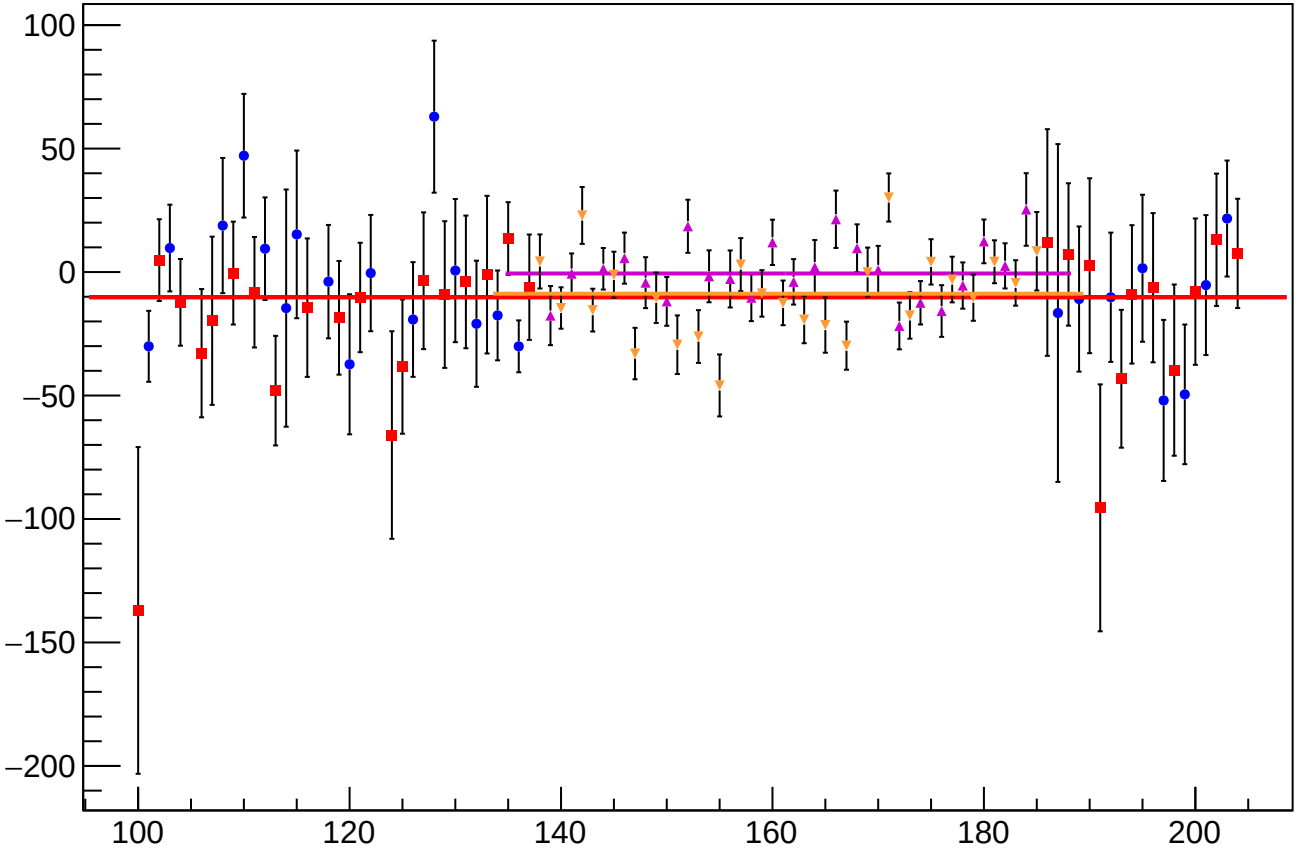
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6115.542+/-0.774 χ^2/NDF: 2096878.4/48

All: 6089.374+/-0.541 χ^2/NDF: 5024803.3/10

- sign 6064.247+/-0.758 χ^2/NDF: 2925681.7/52

diff_bpm4acX_mean vs Slug



Right In: -10.179+/-4.637 χ^2/NDF: 27.7/23

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

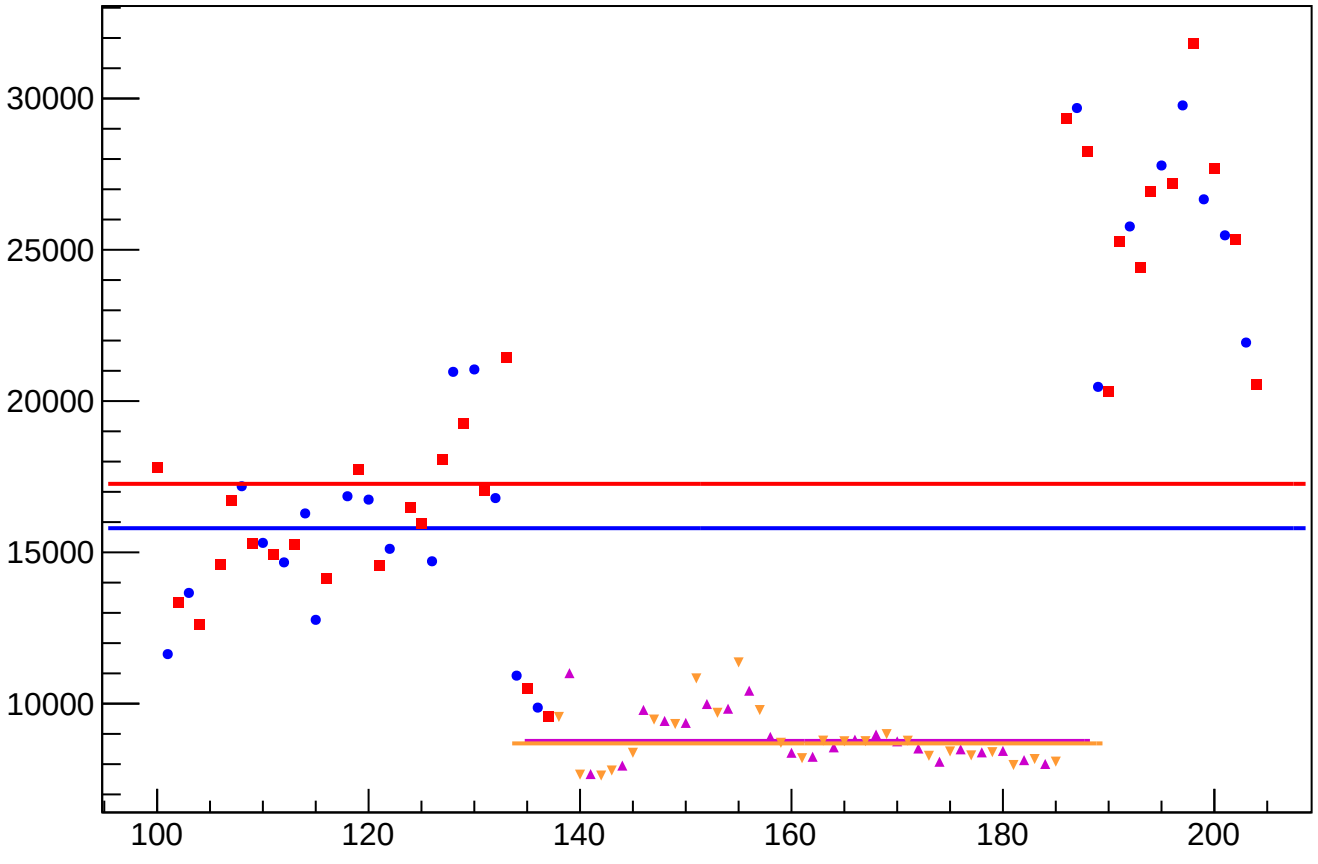
Right Out: -10.199+/-4.639 χ^2/NDF: 21.5/29

Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -8.986+/-1.826 χ^2/NDF: 90.5/48

All: -5.676+/-1.311 χ^2/NDF: 151.9/101

- sign -2.163+/-1.882 χ^2/NDF: 54.7/52



Right In: 15798.747+/-3.279 χ^2/NDF: 2924042.0/23

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17264.389+/-3.280 χ^2/NDF: 3022942.8/29

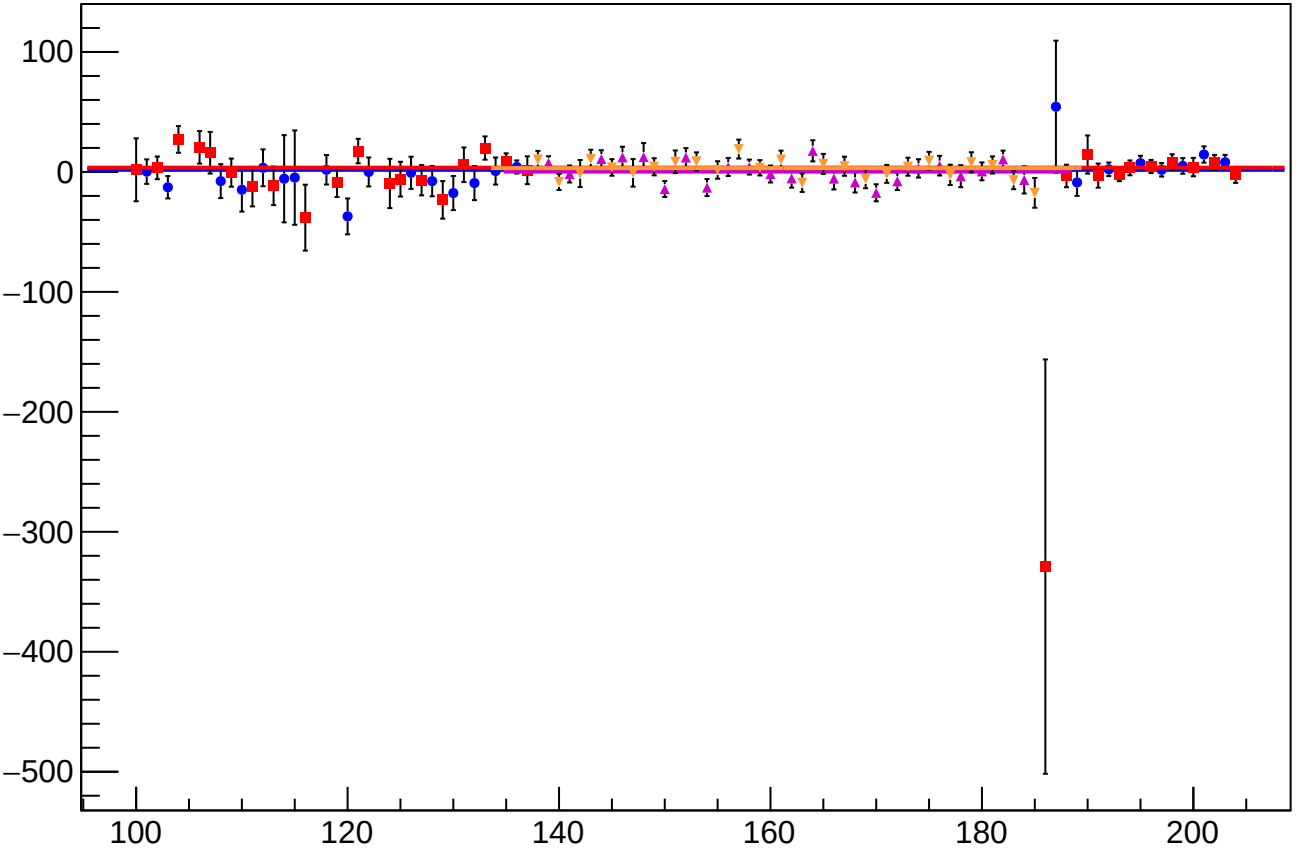
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9789.398+/-1.291 χ^2/NDF: 7240200.6/48

All: 9972.222+/-0.927 χ^2/NDF: 16205693.7/1

- sign 10166.356+/-1.331 χ^2/NDF: 8924171.6/52

diff_bpm4acY_mean vs Slug



Right In: 1.731+/-1.872 χ^2/NDF: 21.2/23

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 3.560+/-1.753 χ^2/NDF: 29.5/29

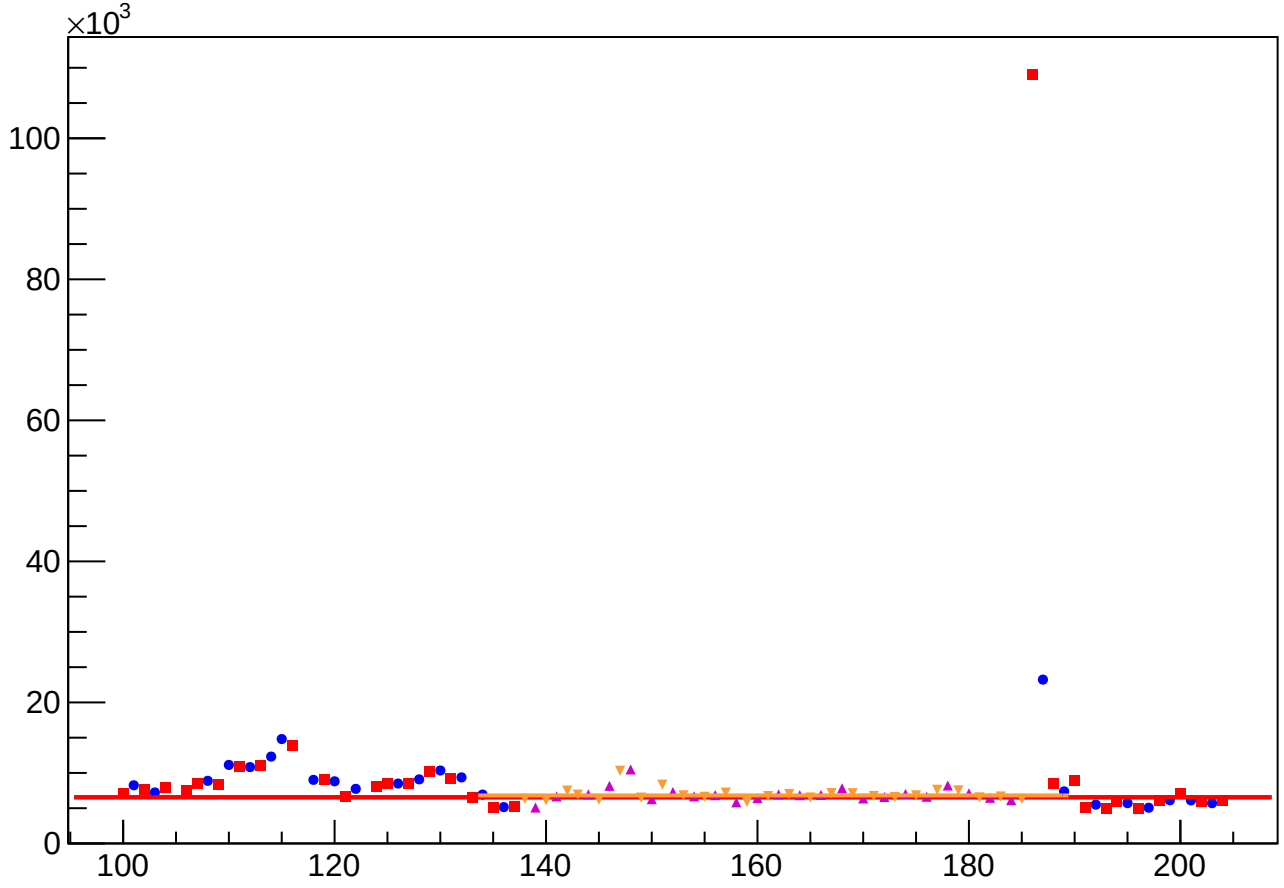
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 2.580+/-1.199 χ^2/NDF: 43.2/48

All: 2.160+/-0.840 χ^2/NDF: 109.2/101

- sign 1.755+/-1.178 χ^2/NDF: 65.7/52

diff_bpm4acY_rms vs Slug



Right In: 6537.891+/-1.324 χ^2/NDF: 1655881.3/23

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6552.257+/-1.239 χ^2/NDF: 2326912.2/29

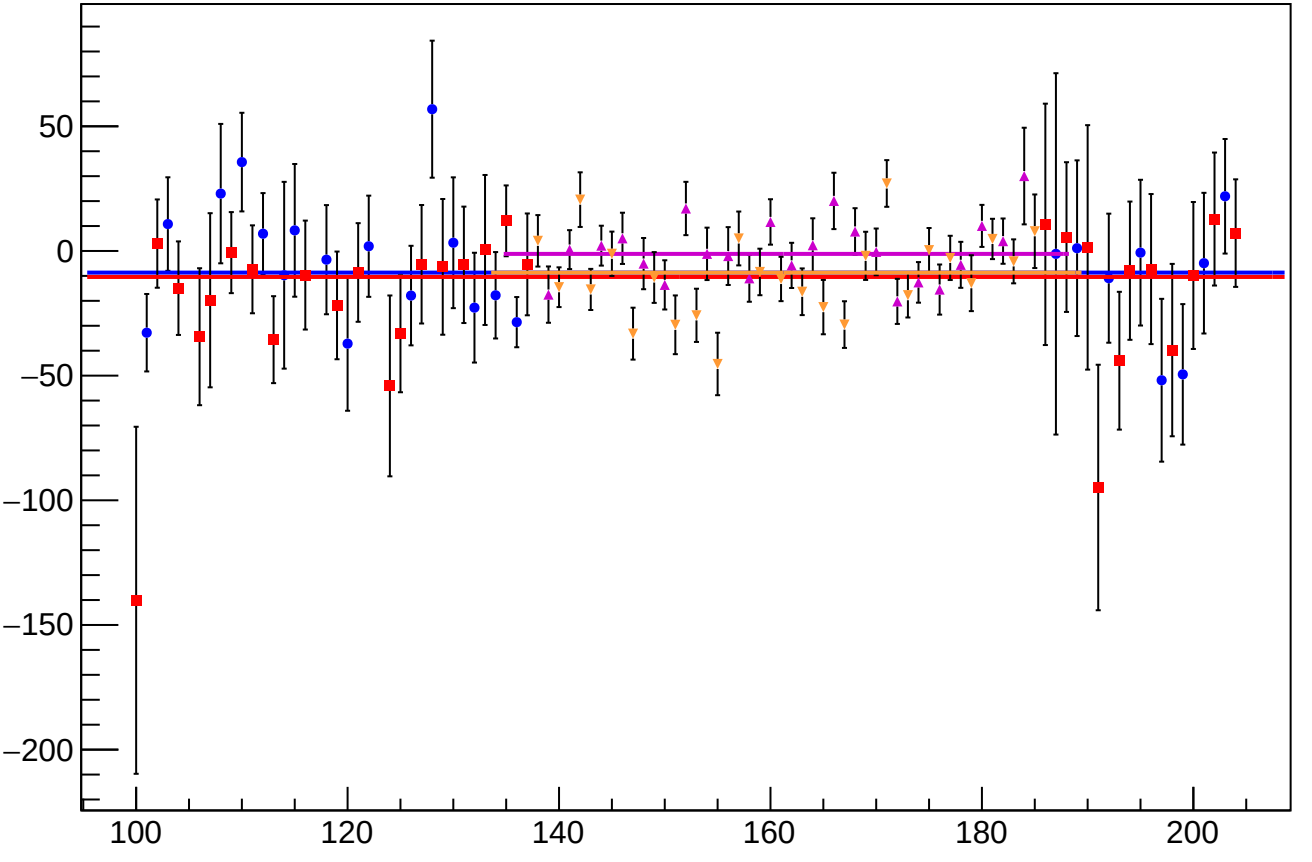
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6700.100+/-0.848 χ^2/NDF: 2075956.6/48

All: 6673.870+/-0.594 χ^2/NDF: 5025797.2/10

- sign 6648.578+/-0.833 χ^2/NDF: 2947961.6/52

diff_bpm4ecX_mean vs Slug



Right In: -8.673+/-4.378 χ^2/NDF: 29.1/23

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -10.424+/-4.340 χ^2/NDF: 20.0/29

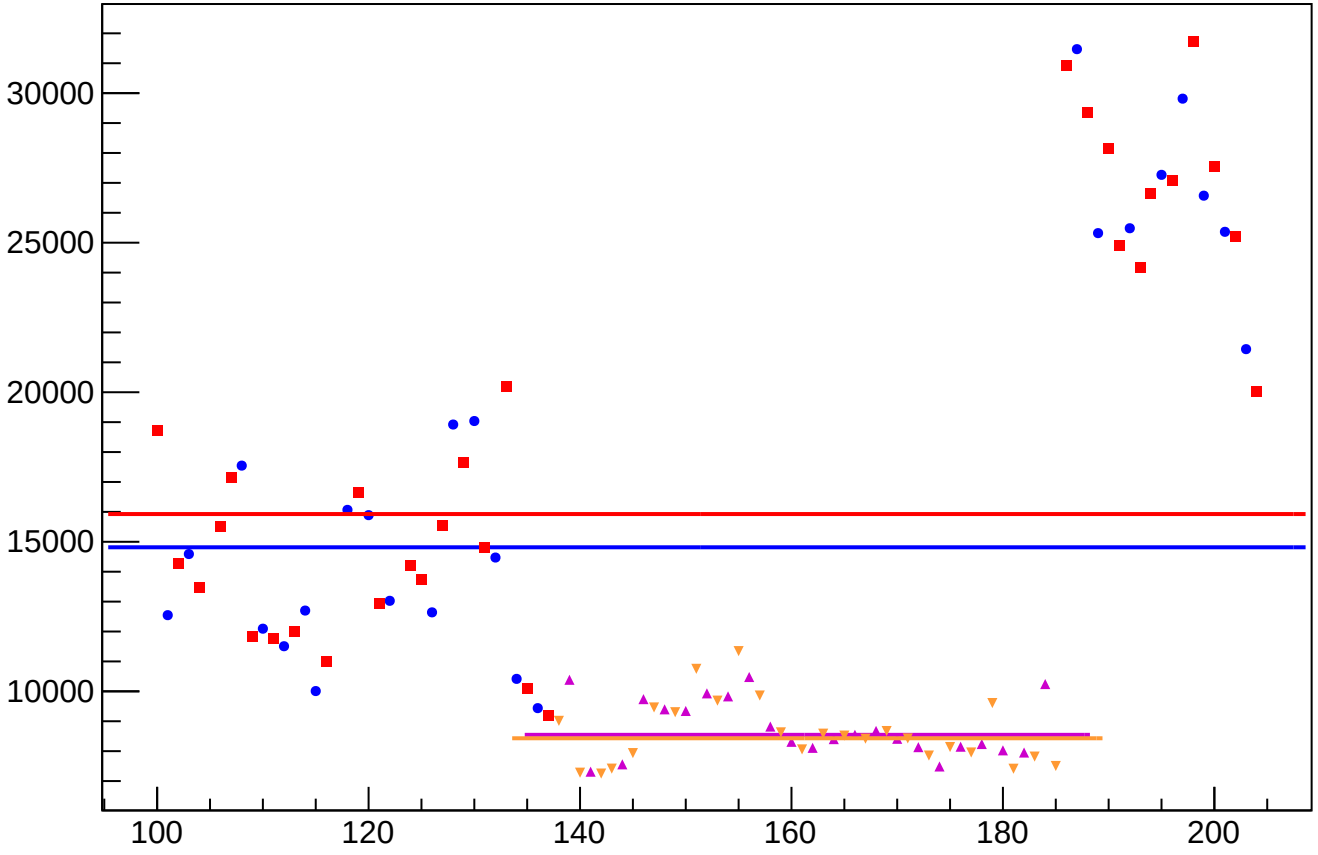
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

\+ sign -8.689+/-1.771 χ^2/NDF: 90.5/48

All: -5.840+/-1.271 χ^2/NDF: 148.1/101

\- sign -2.811+/-1.826 χ^2/NDF: 52.3/52

diff_bpm4ecX_rms vs Slug



Right In: 14816.161+/-3.096 χ^2/NDF: 3301900.6/23

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 15927.575+/-3.069 χ^2/NDF: 3753675.0/29

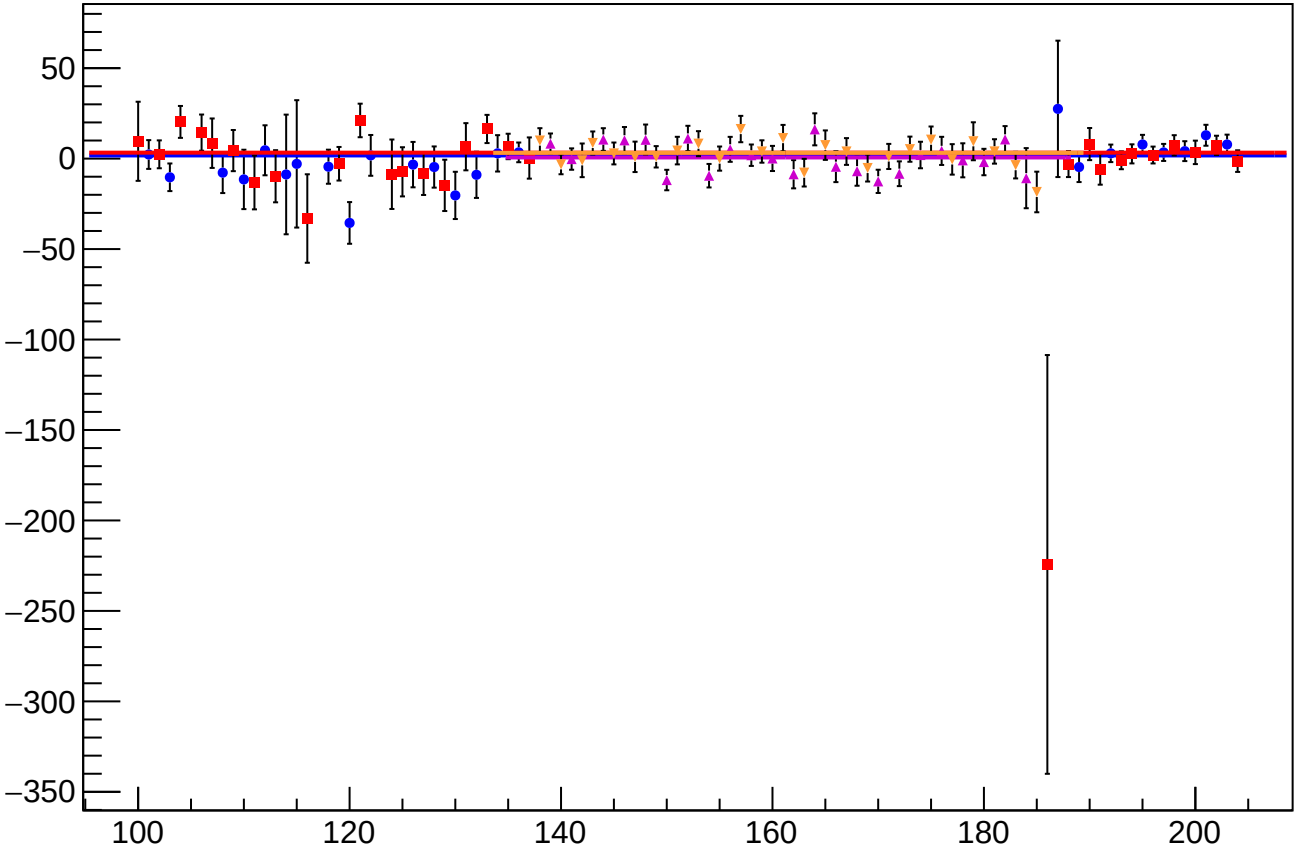
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9475.107+/-1.252 χ^2/NDF: 7344672.2/48

All: 9657.679+/-0.899 χ^2/NDF: 16294134.7/1

- sign 9851.753+/-1.291 χ^2/NDF: 8905600.9/52

diff_bpm4ecY_mean vs Slug



Right In: 1.753+/-1.616 χ^2/NDF: 26.8/23

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 3.294+/-1.495 χ^2/NDF: 29.0/29

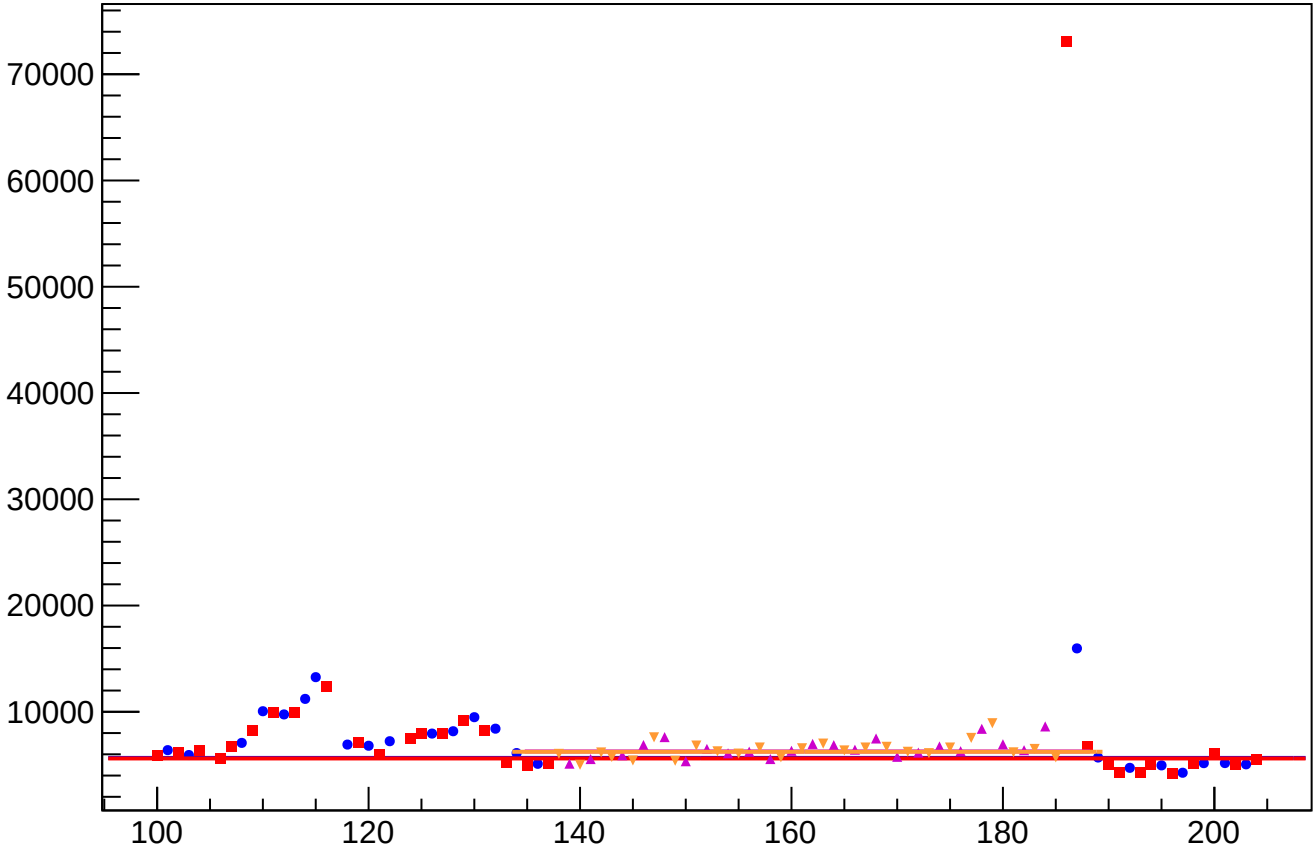
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 2.554+/-1.073 χ^2/NDF: 45.9/48

All: 2.247+/-0.751 χ^2/NDF: 108.5/101

- sign 1.952+/-1.053 χ^2/NDF: 62.4/52

diff_bpm4ecY_rms vs Slug



Right In: 5659.582+/-1.143 χ^2/NDF: 1556897.8/23

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5610.600+/-1.057 χ^2/NDF: 2274434.5/29

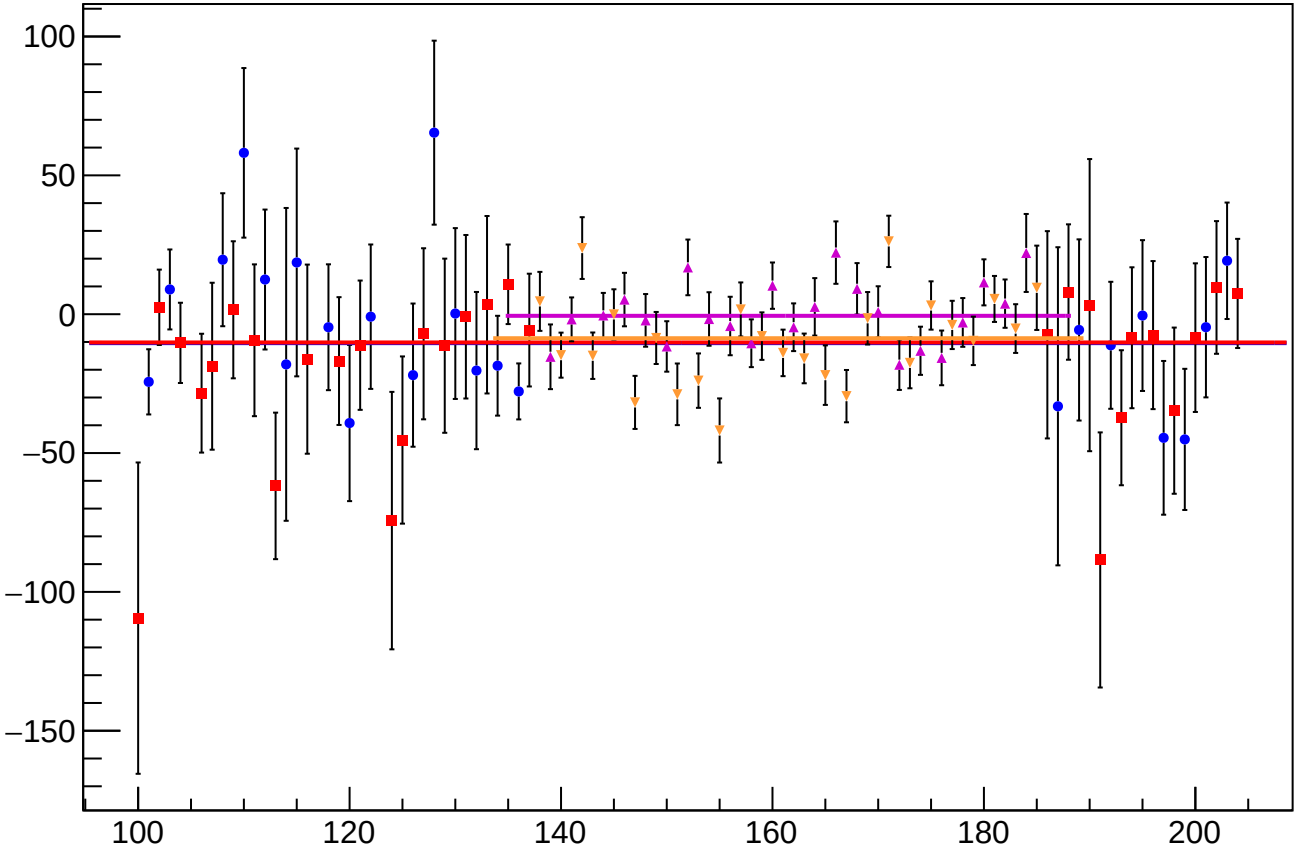
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 5982.981+/-0.759 χ^2/NDF: 2207875.3/48

All: 5962.313+/-0.531 χ^2/NDF: 5203299.5/10

- sign 5942.423+/-0.744 χ^2/NDF: 2993967.7/52

diff_bpm1X_mean vs Slug



Right In: -10.420+/-4.431 χ^2/NDF: 27.0/23

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: -10.175+/-4.443 χ^2/NDF: 21.7/29

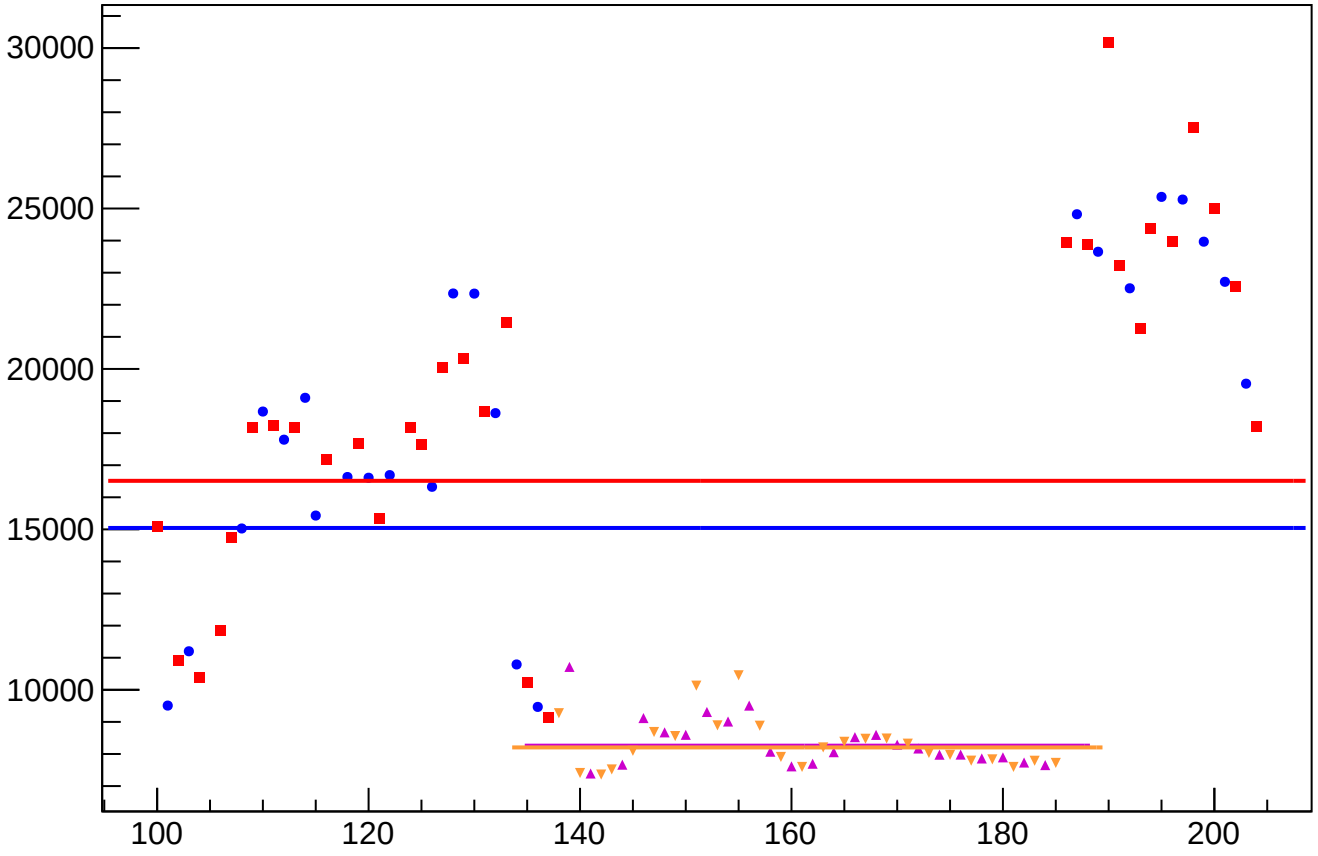
Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -8.919+/-1.727 χ^2/NDF: 90.2/48

All: -5.616+/-1.238 χ^2/NDF: 151.9/101

- sign -2.117+/-1.777 χ^2/NDF: 54.1/52

diff_bpm1X_rms vs Slug



Right In: 15044.162+/-3.133 χ^2/NDF: 3140675.1/23

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 16512.911+/-3.142 χ^2/NDF: 3088504.3/29

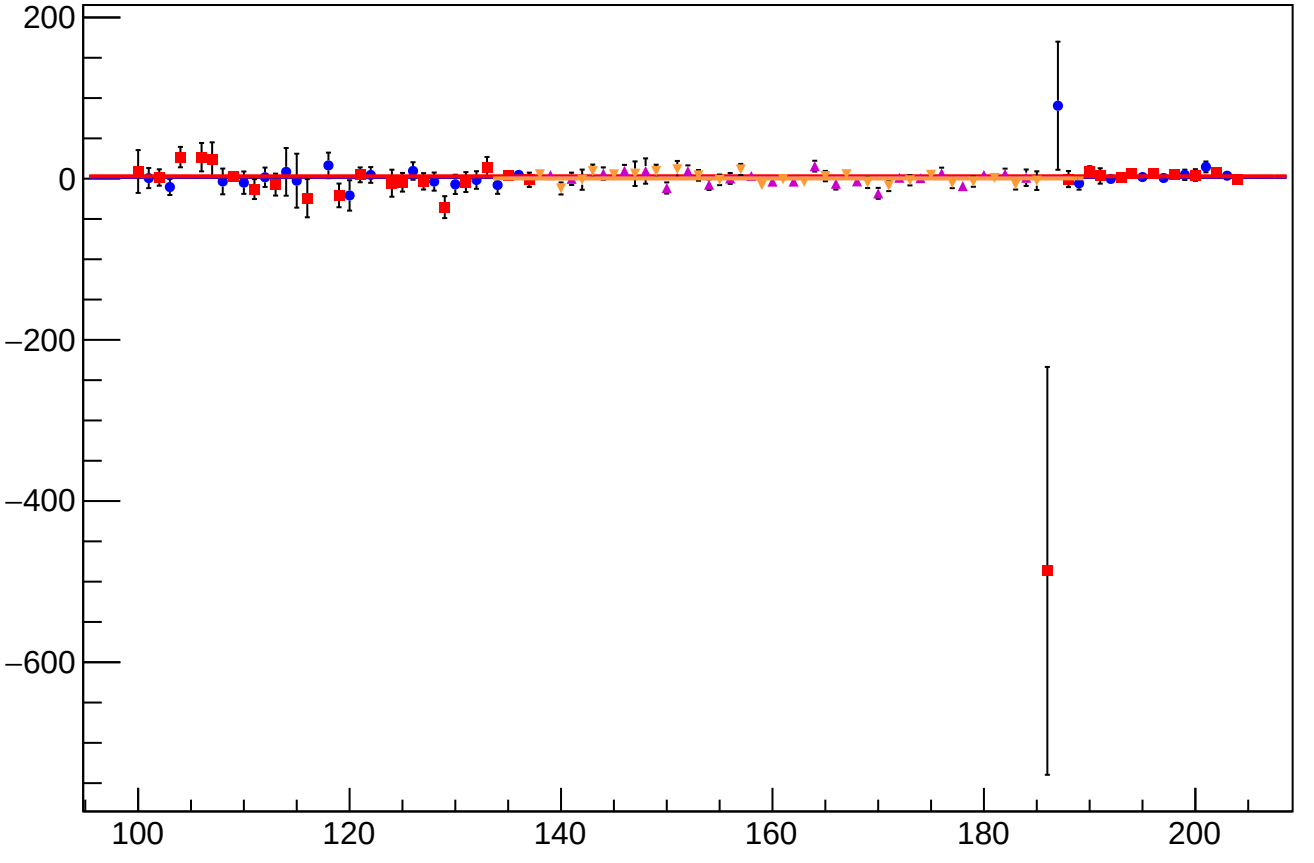
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 9243.289+/-1.221 χ^2/NDF: 7455225.6/48

All: 9406.547+/-0.876 χ^2/NDF: 16635739.9/1

- sign 9579.430+/-1.257 χ^2/NDF: 9143707.4/52

diff_bpm1Y_mean vs Slug



Right In: 2.029+/-1.695 χ^2/NDF: 13.2/23

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 2.958+/-1.512 χ^2/NDF: 29.8/29

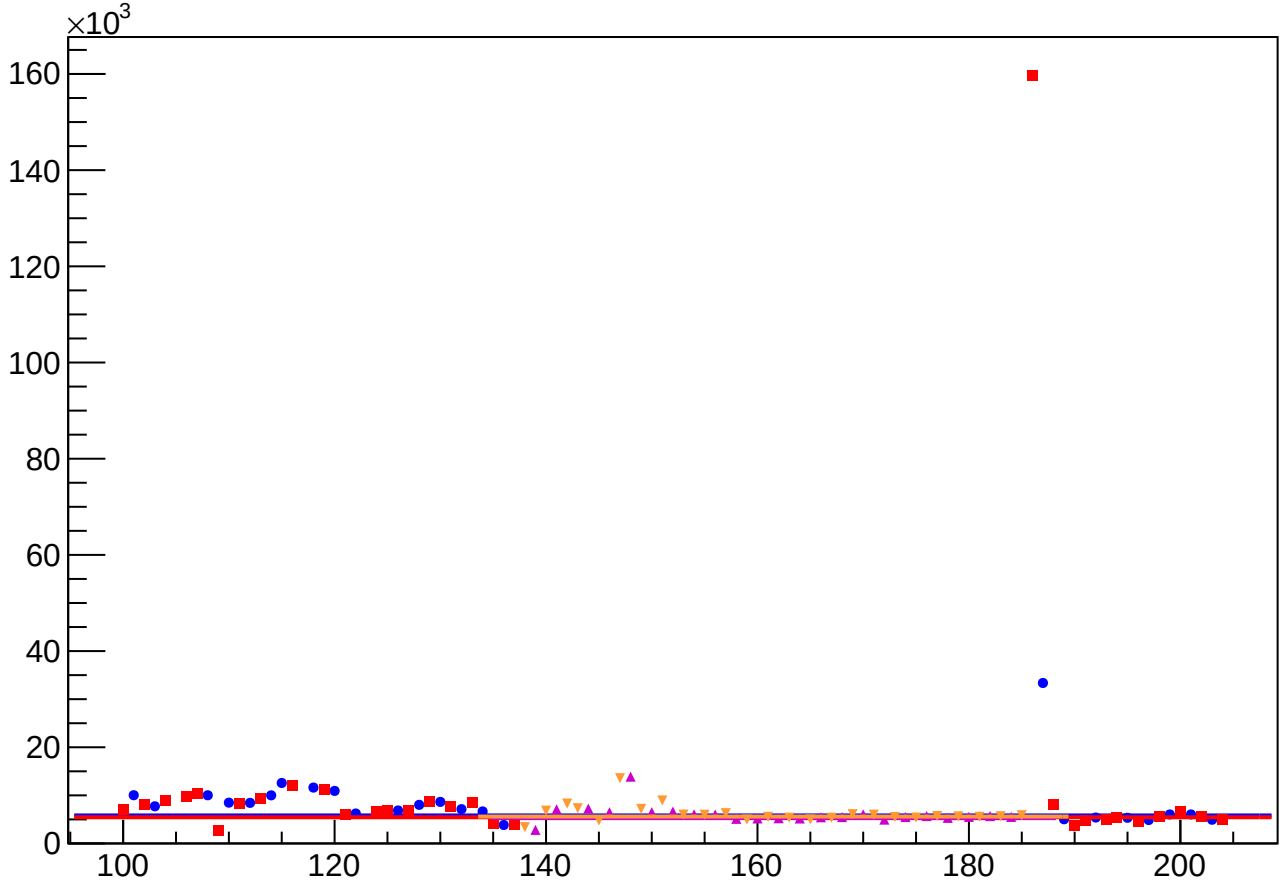
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.987+/-1.042 χ^2/NDF: 35.3/48

All: 1.342+/-0.715 χ^2/NDF: 96.6/101

- sign 1.657+/-0.982 χ^2/NDF: 61.0/52

diff_bpm1Y_rms vs Slug



Right In: 5824.731+/-1.199 χ^2/NDF: 2274107.5/23

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5442.965+/-1.069 χ^2/NDF: 3750397.9/29

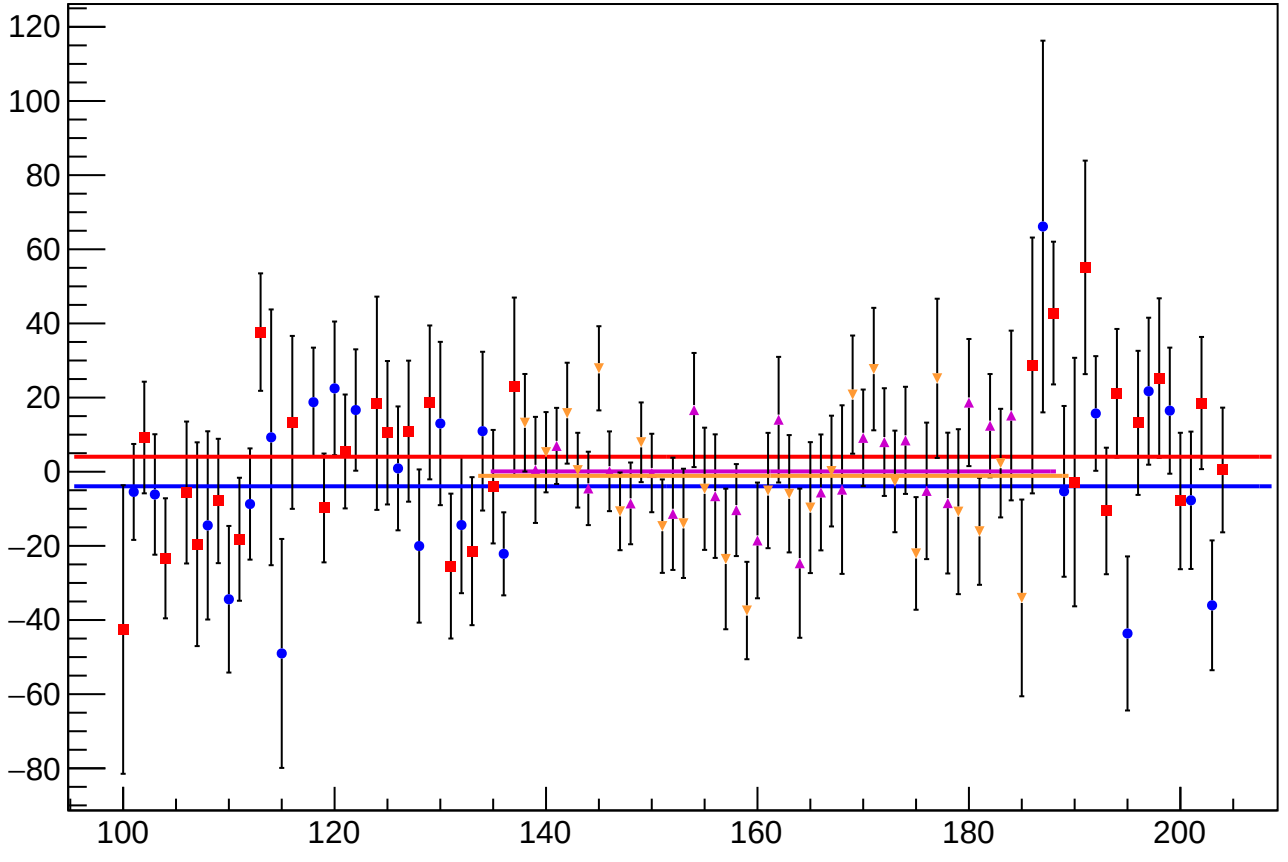
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5681.550+/-0.737 χ^2/NDF: 4081313.7/48

All: 5499.945+/-0.505 χ^2/NDF: 10388367.3/1

- sign 5338.723+/-0.694 χ^2/NDF: 6192425.6/52

diff_bpm11X_mean vs Slug



Right In: -3.927+/-3.684 χ^2/NDF: 29.5/23

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: 4.046+/-3.497 χ^2/NDF: 30.9/29

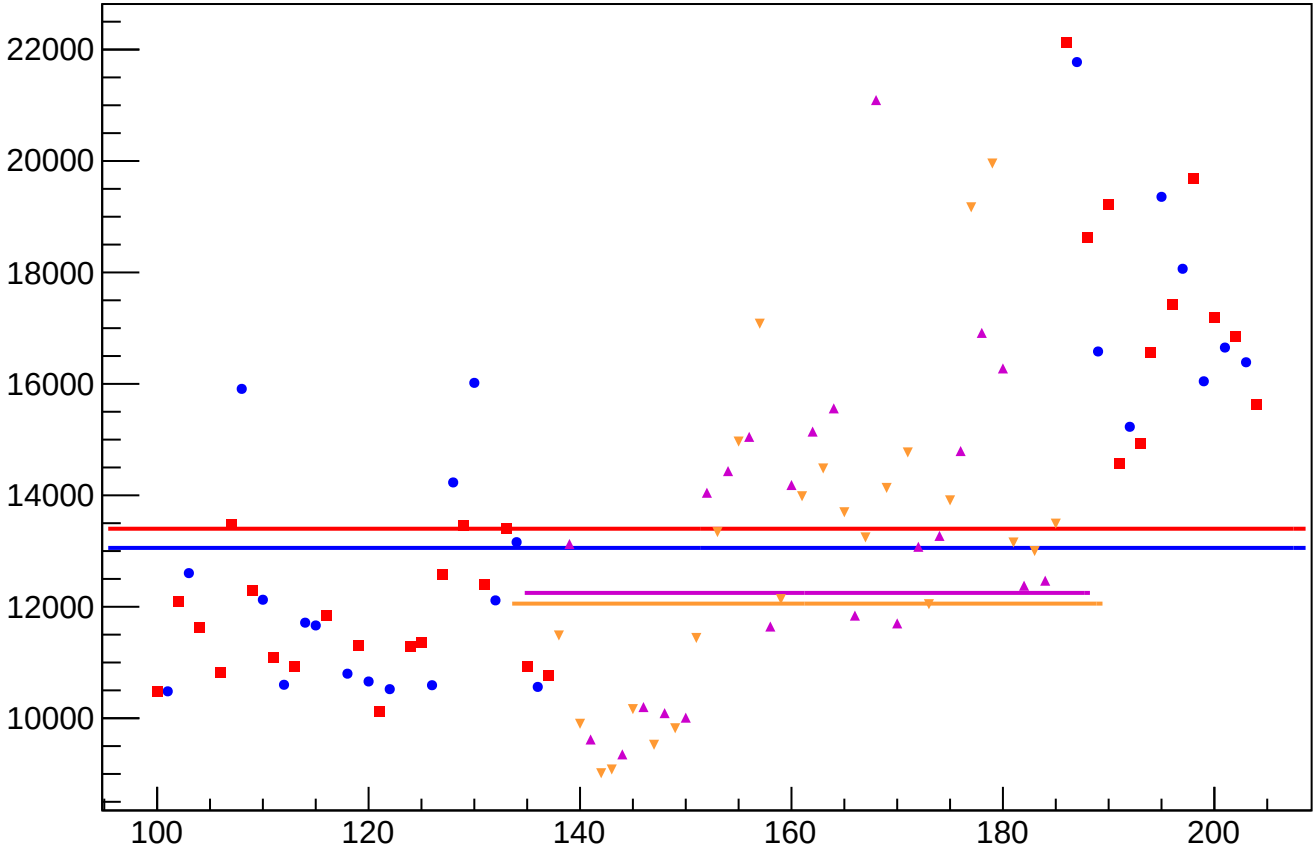
Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

\+ sign -2.148+/-2.236 χ^2/NDF: 63.7/48

All: -0.224+/-1.584 χ^2/NDF: 108.2/101

\- sign 1.716+/-2.244 χ^2/NDF: 43.1/52

diff_bpm11X_rms vs Slug



Right In: 13056.539+/-2.605 χ^2/NDF: 1160169.6/23

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 13400.728+/-2.473 χ^2/NDF: 1316483.1/29

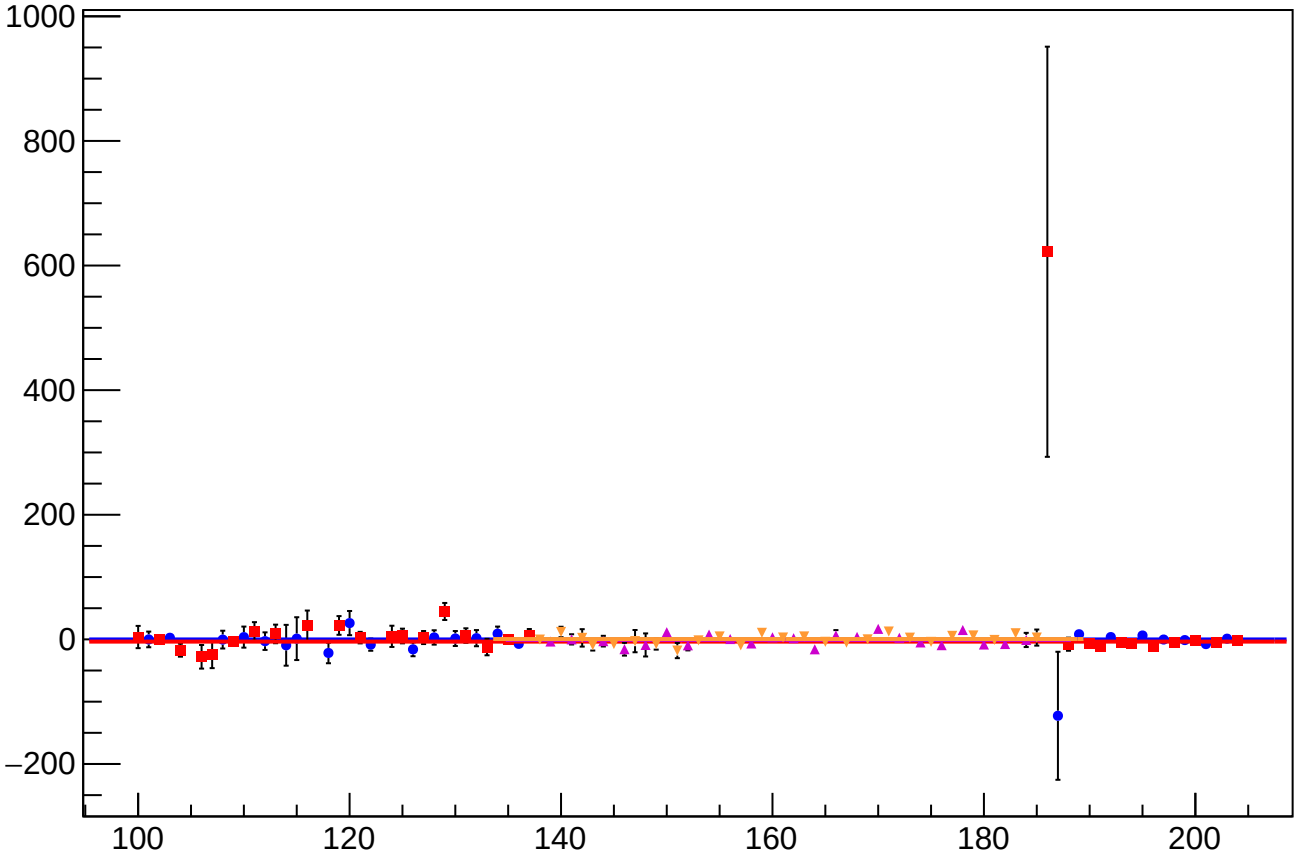
Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

+ sign 12425.003+/-1.581 χ^2/NDF: 2814972.3/48

All: 12573.640+/-1.120 χ^2/NDF: 5692802.8/1

- sign 12723.408+/-1.587 χ^2/NDF: 2860083.4/52

diff_bpm11Y_mean vs Slug



Right In: -0.113+/-1.514 χ^2/NDF: 17.2/23

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -3.600+/-1.342 χ^2/NDF: 36.7/29

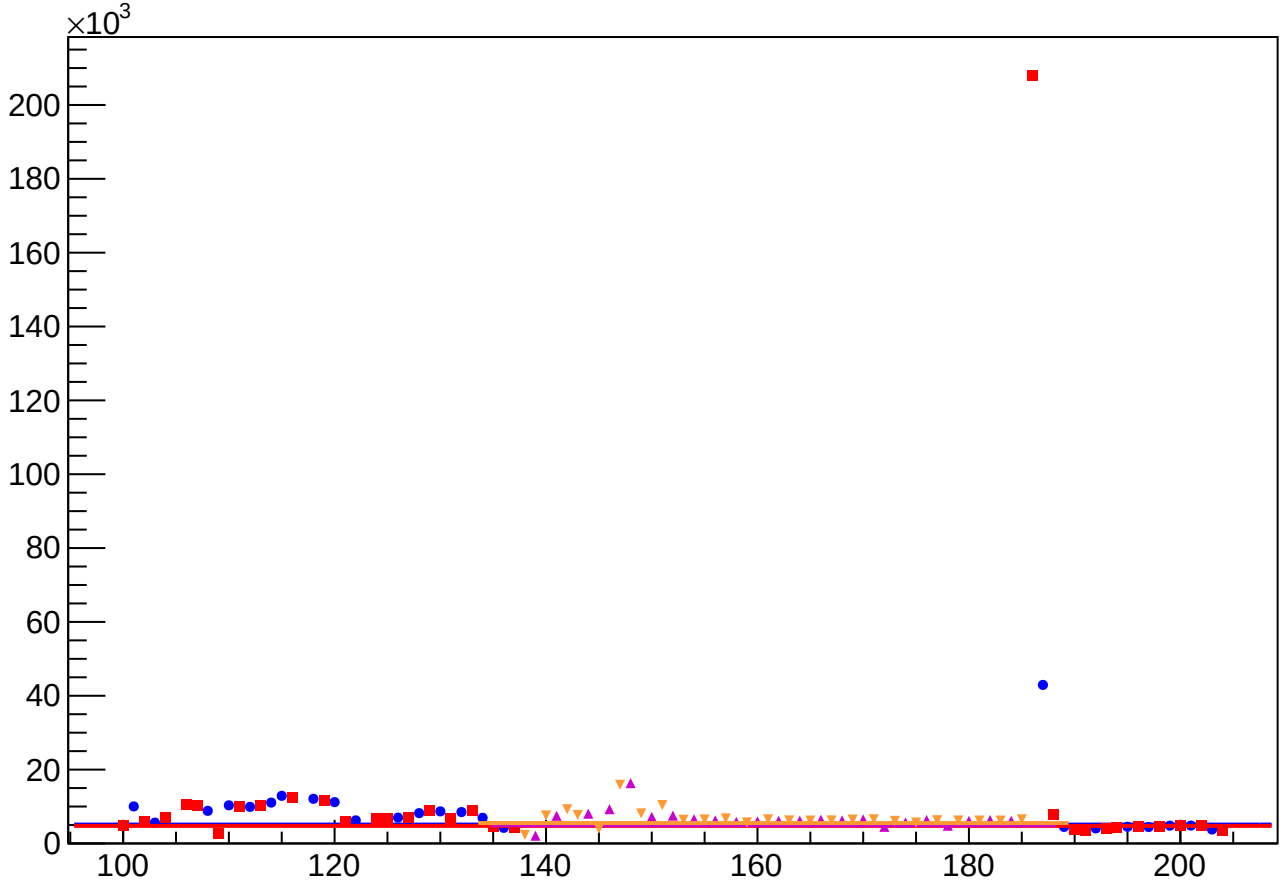
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.239+/-1.015 χ^2/NDF: 38.8/48

All: -1.099+/-0.687 χ^2/NDF: 112.9/101

- sign -2.225+/-0.932 χ^2/NDF: 70.9/52

diff_bpm11Y_rms vs Slug



Right In: 5112.032+/-1.071 χ^2/NDF: 2970301.5/23

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

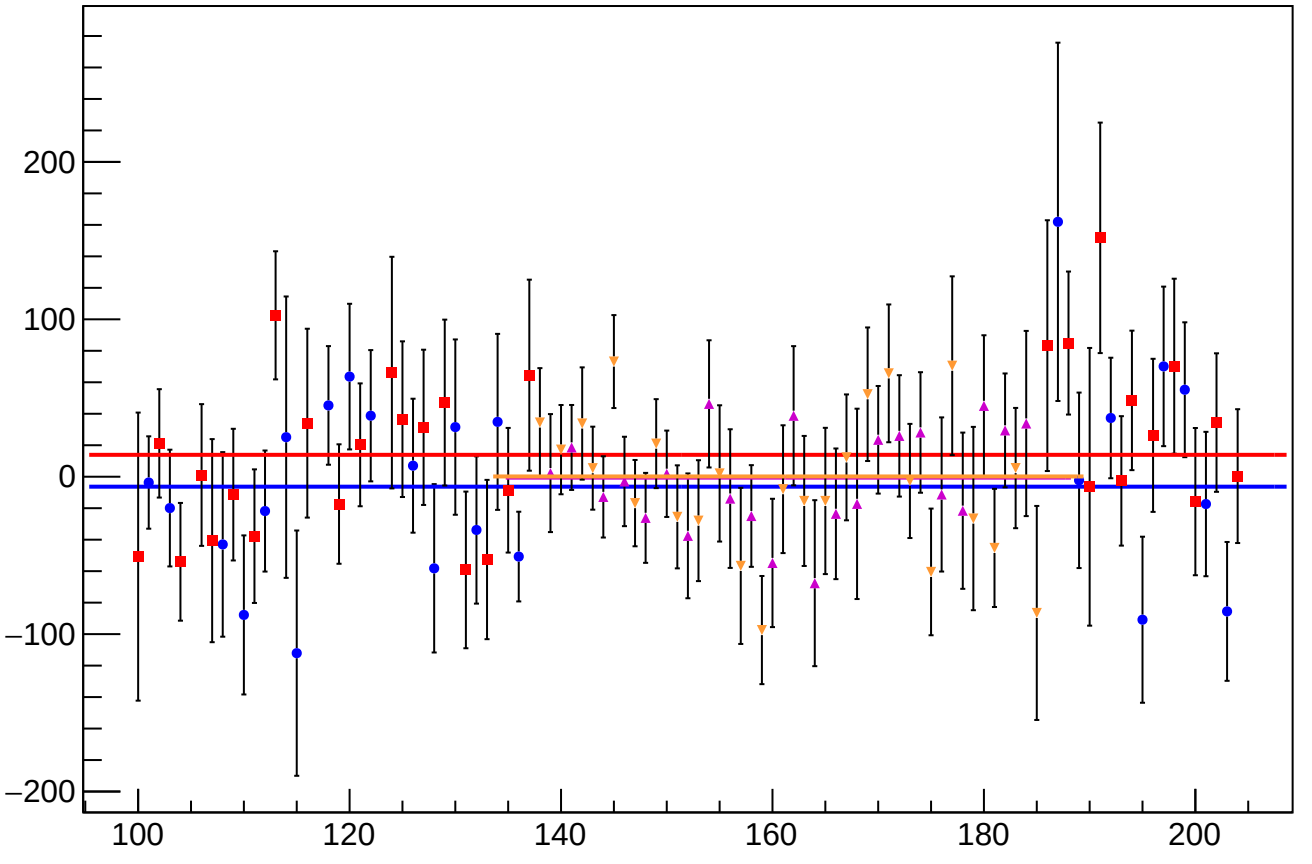
Right Out: 4760.001+/-0.949 χ^2/NDF: 3950631.8/29

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5340.948+/-0.718 χ^2/NDF: 7429070.2/48

All: 5076.767+/-0.485 χ^2/NDF: 17584234.5/1

- sign 4854.318+/-0.659 χ^2/NDF: 9905789.7/52



Right In: -6.326+/-9.175 χ^2/NDF: 29.1/23

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: 13.909+/-8.713 χ^2/NDF: 27.6/29

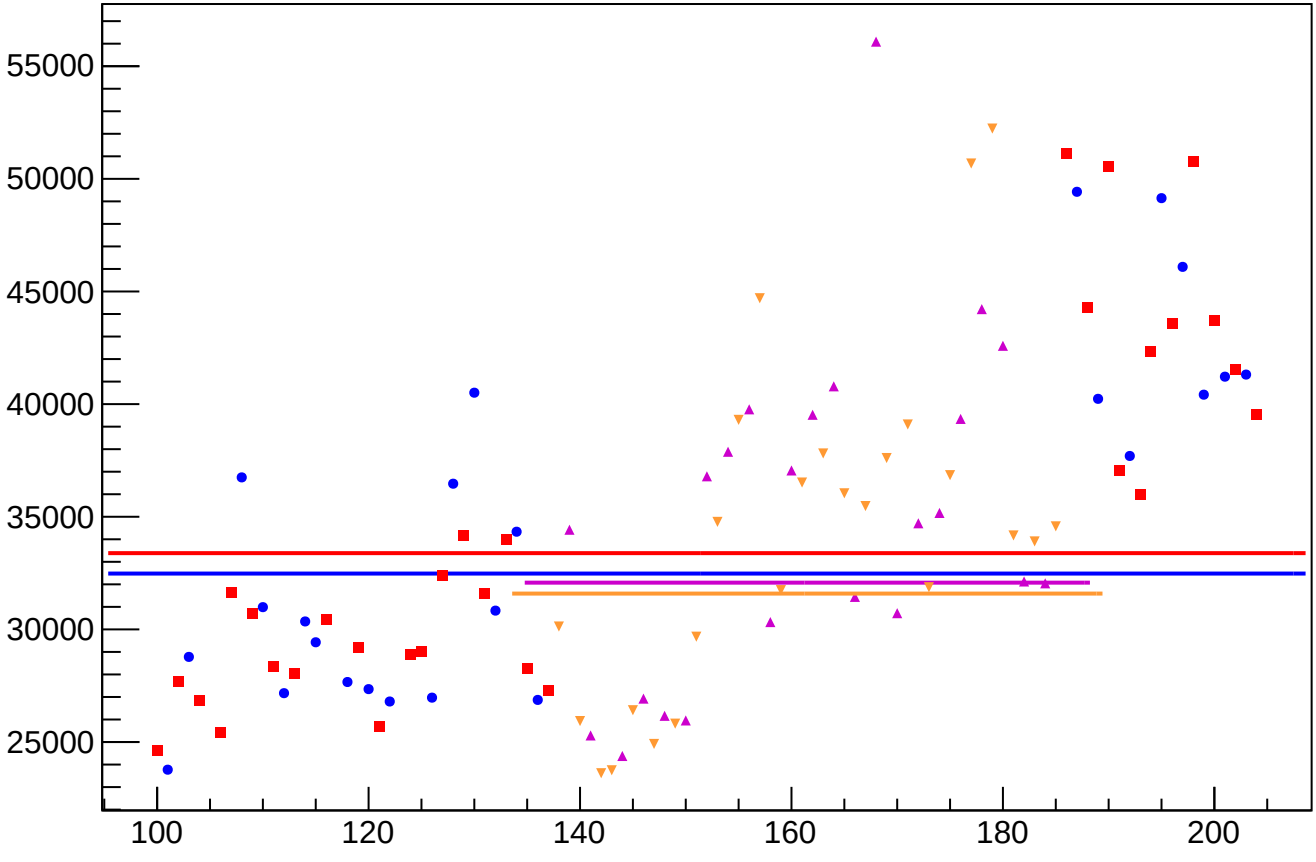
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -2.381+/-5.748 χ^2/NDF: 60.5/48

All: 1.673+/-4.067 χ^2/NDF: 103.5/101

- sign 5.739+/-5.756 χ^2/NDF: 41.9/52

diff_bpm12X_rms vs Slug



Right In: 32478.639+/-6.487 χ^2/NDF: 1198975.2/23

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 33385.159+/-6.161 χ^2/NDF: 1331142.4/29

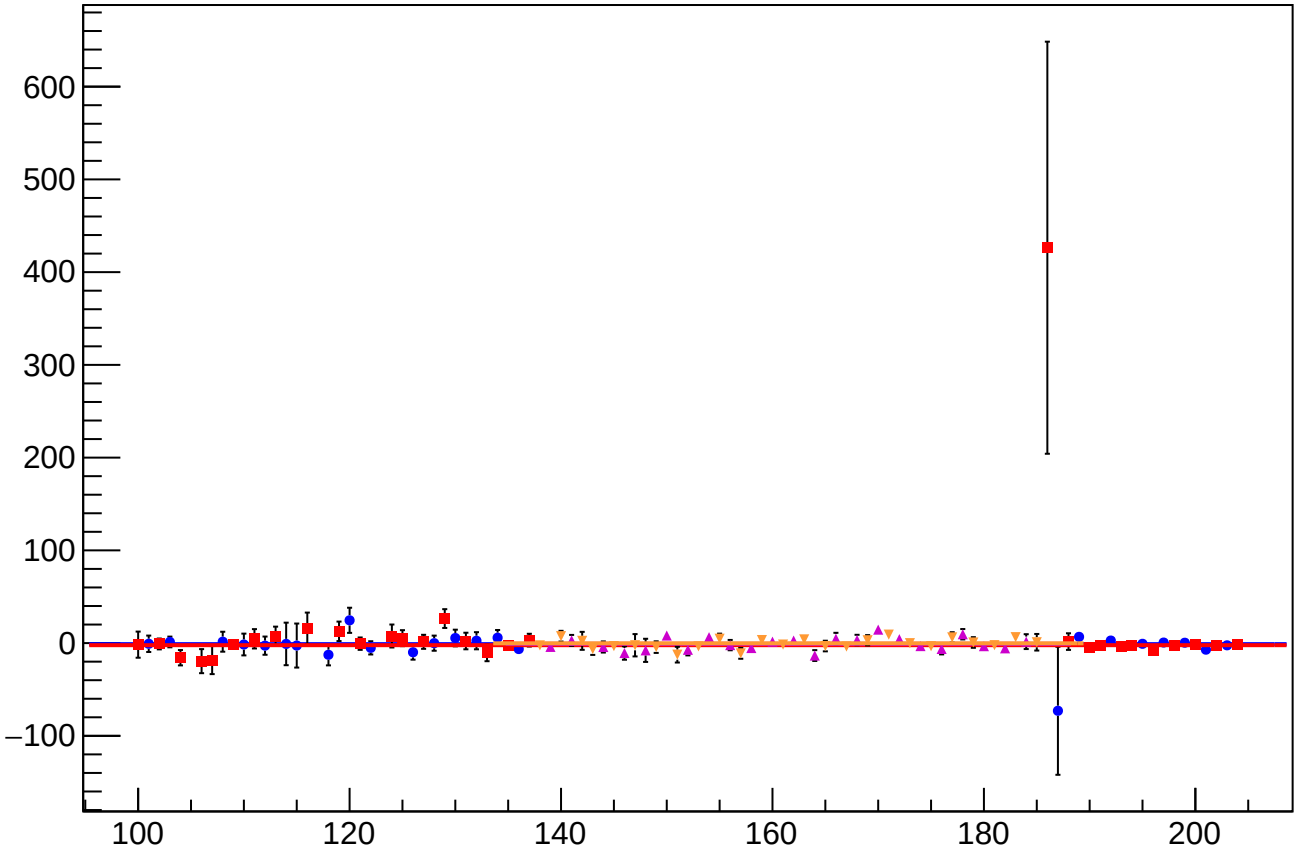
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 31938.710+/-4.064 χ^2/NDF: 2801245.4/48

All: 32292.243+/-2.876 χ^2/NDF: 5628737.3/1

- sign 32646.758+/-4.070 χ^2/NDF: 2812339.3/52

diff_bpm12Y_mean vs Slug



Right In: -1.116+/-1.014 χ^2/NDF: 19.4/23

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: -2.241+/-0.927 χ^2/NDF: 29.1/29

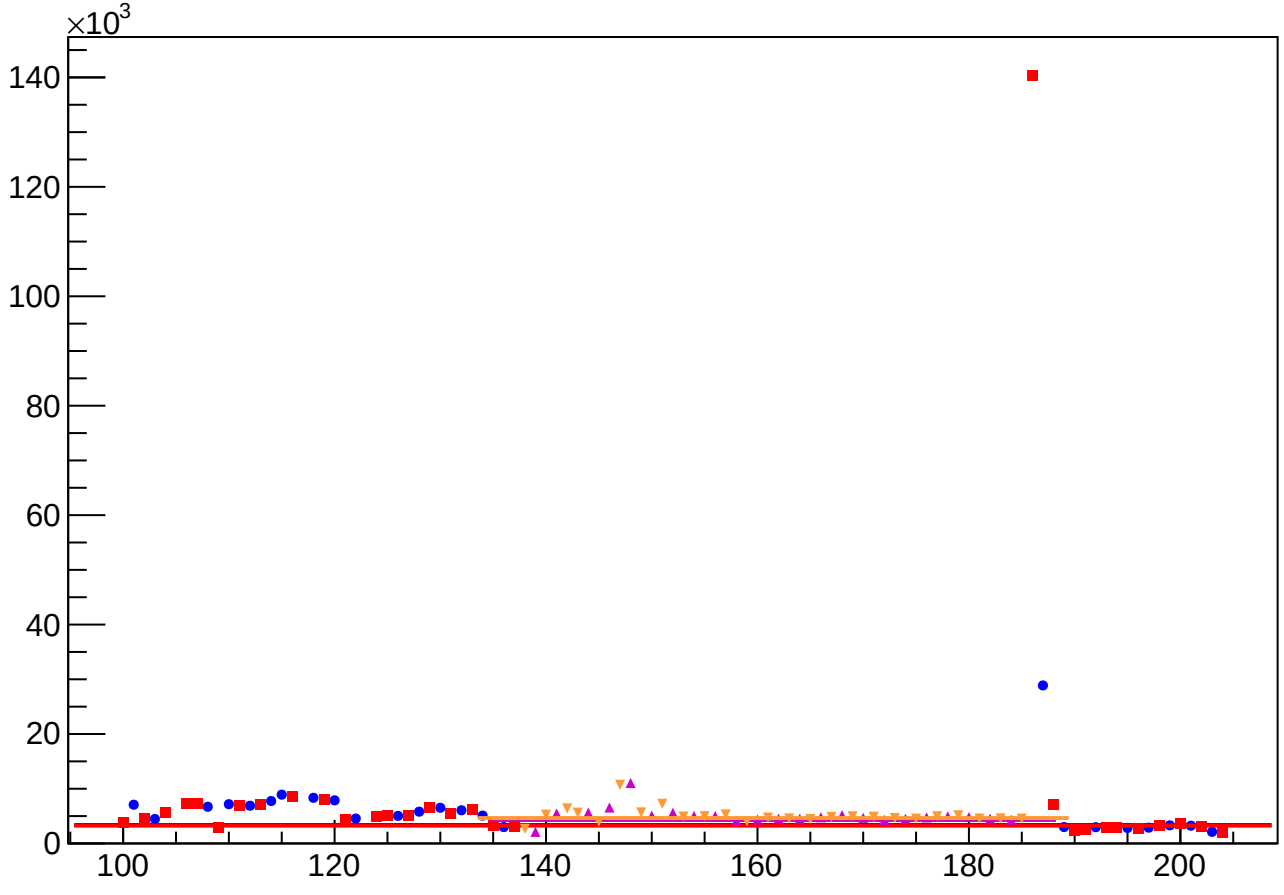
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.704+/-0.744 χ^2/NDF: 39.6/48

All: -1.187+/-0.509 χ^2/NDF: 104.3/101

- sign -1.612+/-0.698 χ^2/NDF: 63.9/52

diff_bpm12Y_rms vs Slug



Right In: 3365.582+/-0.717 χ^2/NDF: 3727596.1/23

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3263.545+/-0.655 χ^2/NDF: 4691806.2/29

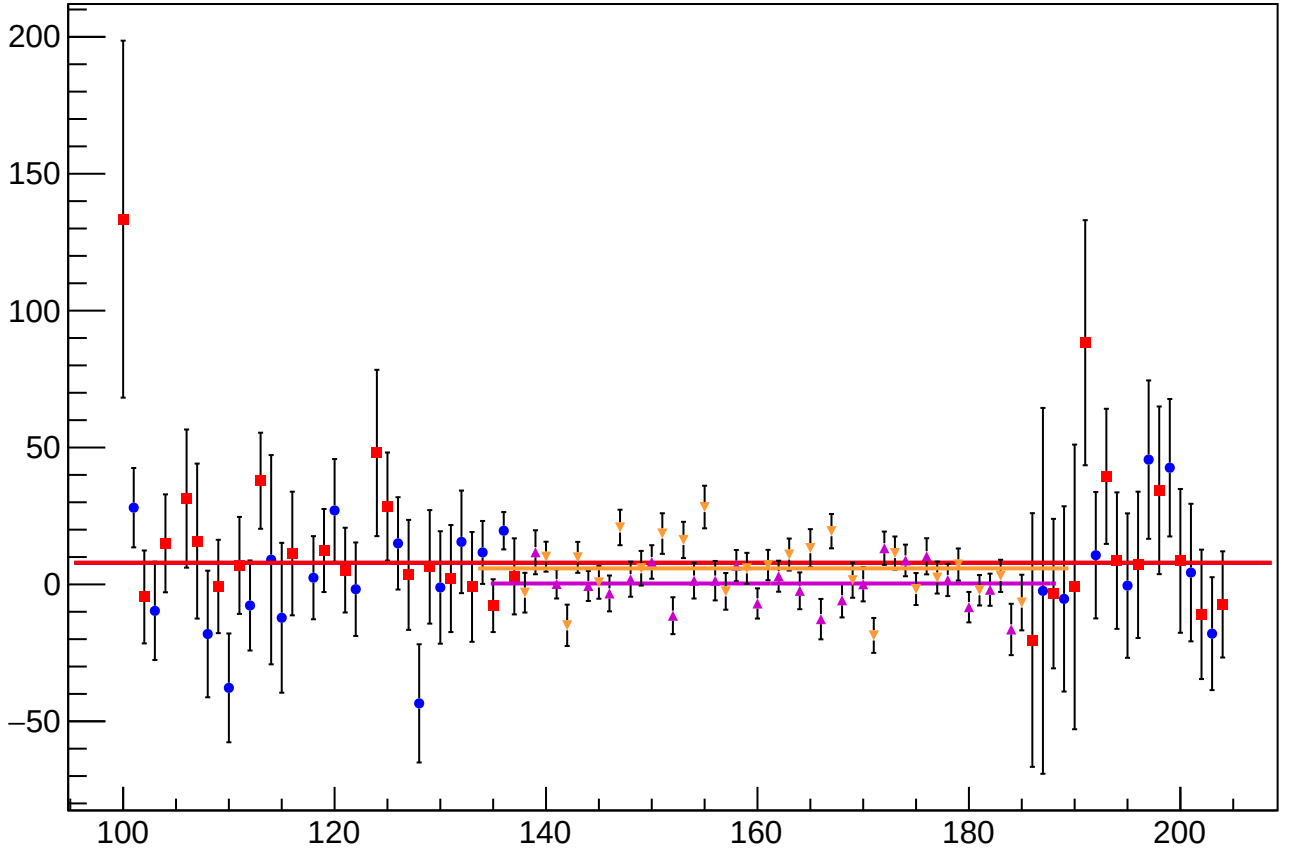
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 3953.628+/-0.526 χ^2/NDF: 6944111.0/48

All: 3824.115+/-0.360 χ^2/NDF: 15918300.1/1

- sign 3710.119+/-0.493 χ^2/NDF: 8860191.9/52

diff_bpm16X_mean vs Slug



Right In: 7.890+/-3.543 χ^2/NDF: 27.1/23

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 7.912+/-3.681 χ^2/NDF: 22.0/29

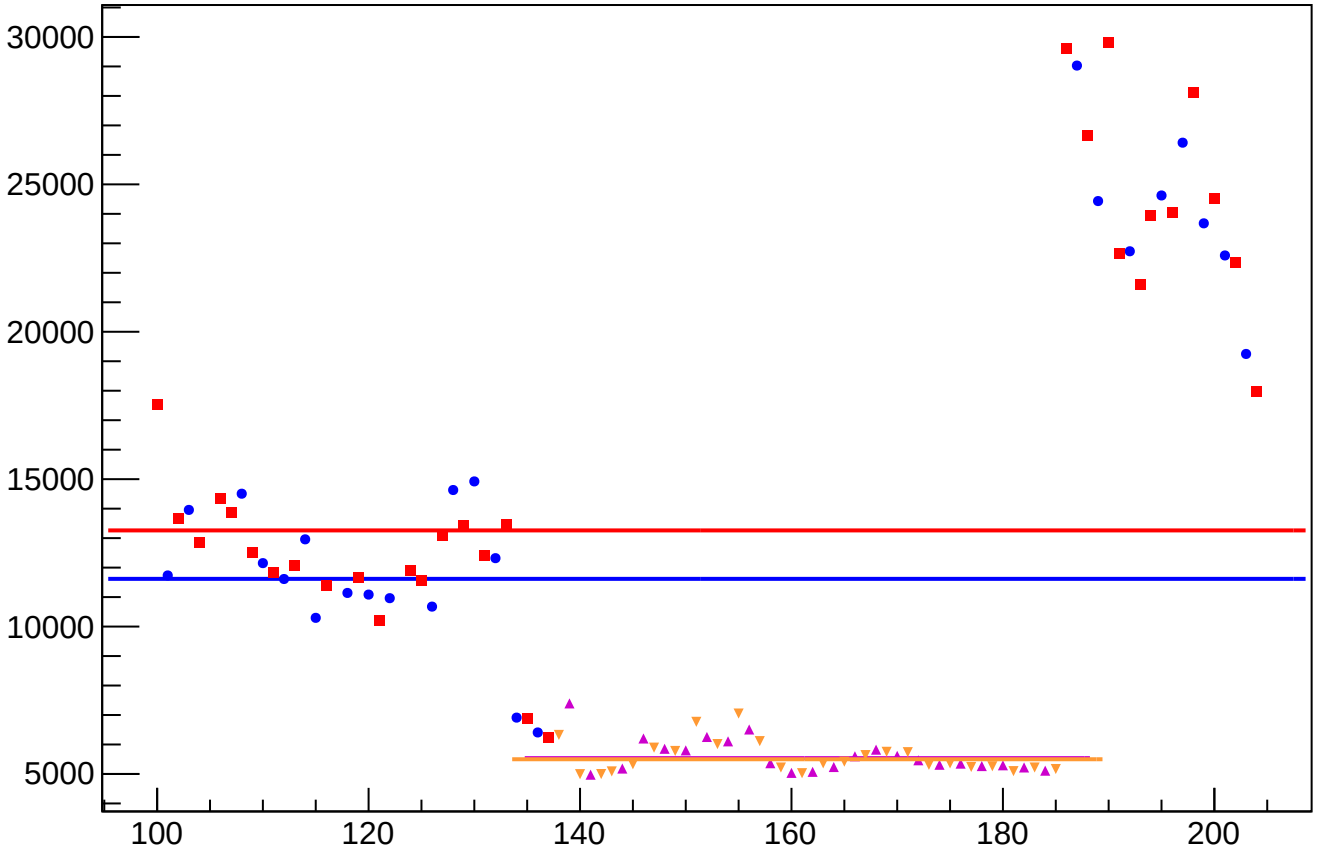
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.077+/-1.185 χ^2/NDF: 87.4/48

All: 3.712+/-0.852 χ^2/NDF: 150.8/101

- sign 1.178+/-1.226 χ^2/NDF: 55.1/52

diff_bpm16X_rms vs Slug



Right In: 11618.311+/-2.505 χ^2/NDF: 4694514.4/23

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 13261.693+/-2.603 χ^2/NDF: 4759068.3/29

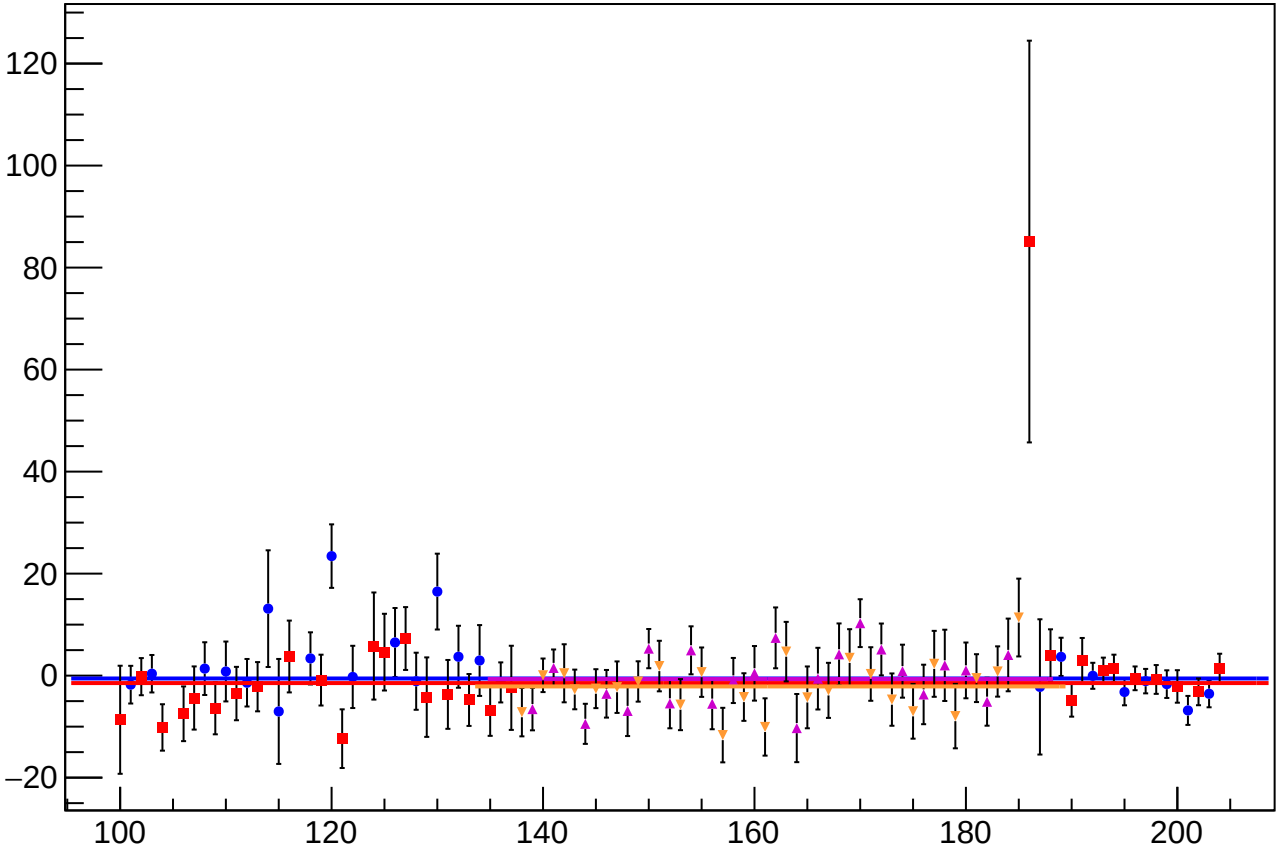
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6183.726+/-0.838 χ^2/NDF: 10290672.7/48

All: 6285.862+/-0.603 χ^2/NDF: 23213260.6/1

- sign 6395.270+/-0.867 χ^2/NDF: 12891814.1/52

diff_bpm16Y_mean vs Slug



Right In: -0.560+/-0.815 χ^2/NDF: 33.5/23

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -1.459+/-0.759 χ^2/NDF: 27.7/29

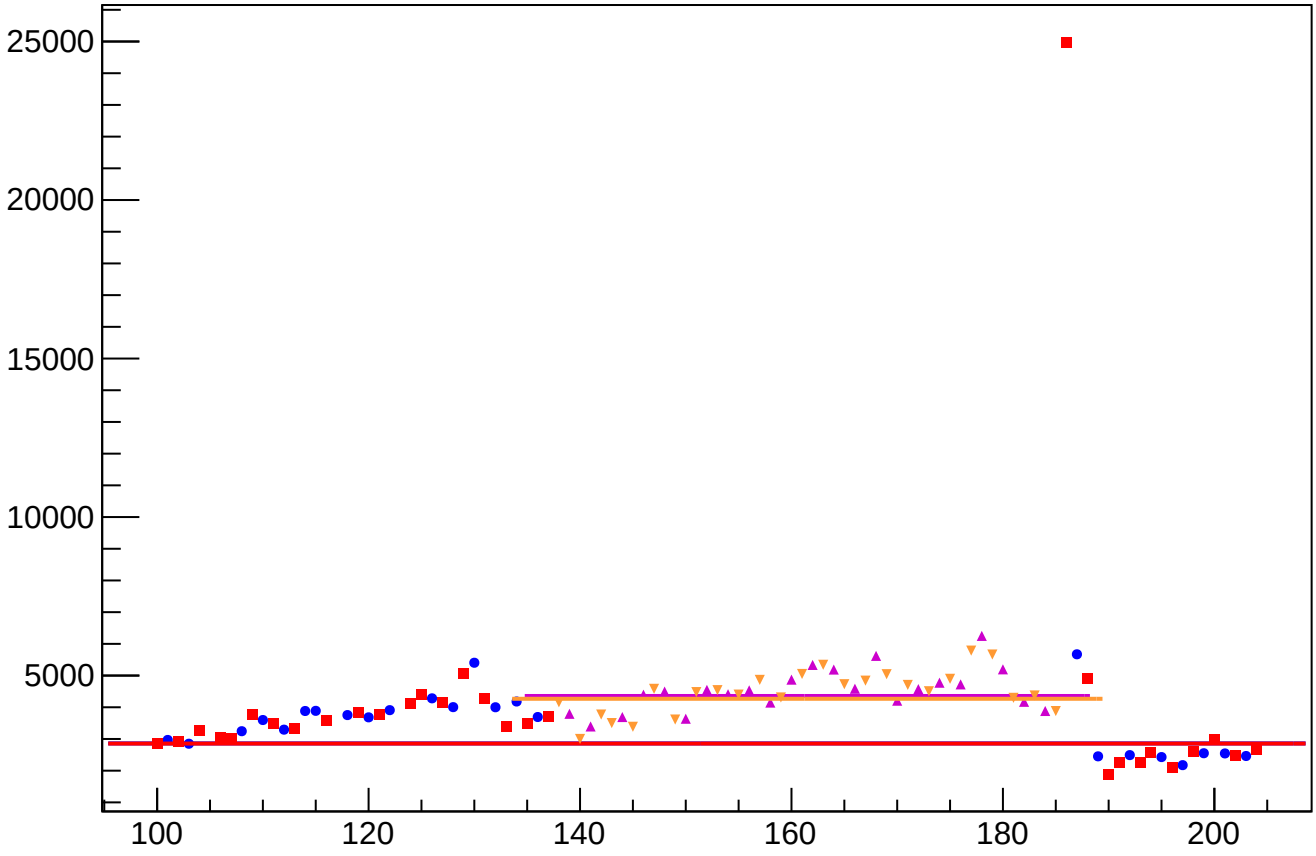
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -1.190+/-0.628 χ^2/NDF: 52.5/48

All: -1.186+/-0.438 χ^2/NDF: 108.9/101

- sign -1.182+/-0.611 χ^2/NDF: 56.4/52

diff_bpm16Y_rms vs Slug



Right In: 2859.806+/-0.576 χ^2/NDF: 1361744.6/23

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2855.028+/-0.537 χ^2/NDF: 2415020.2/29

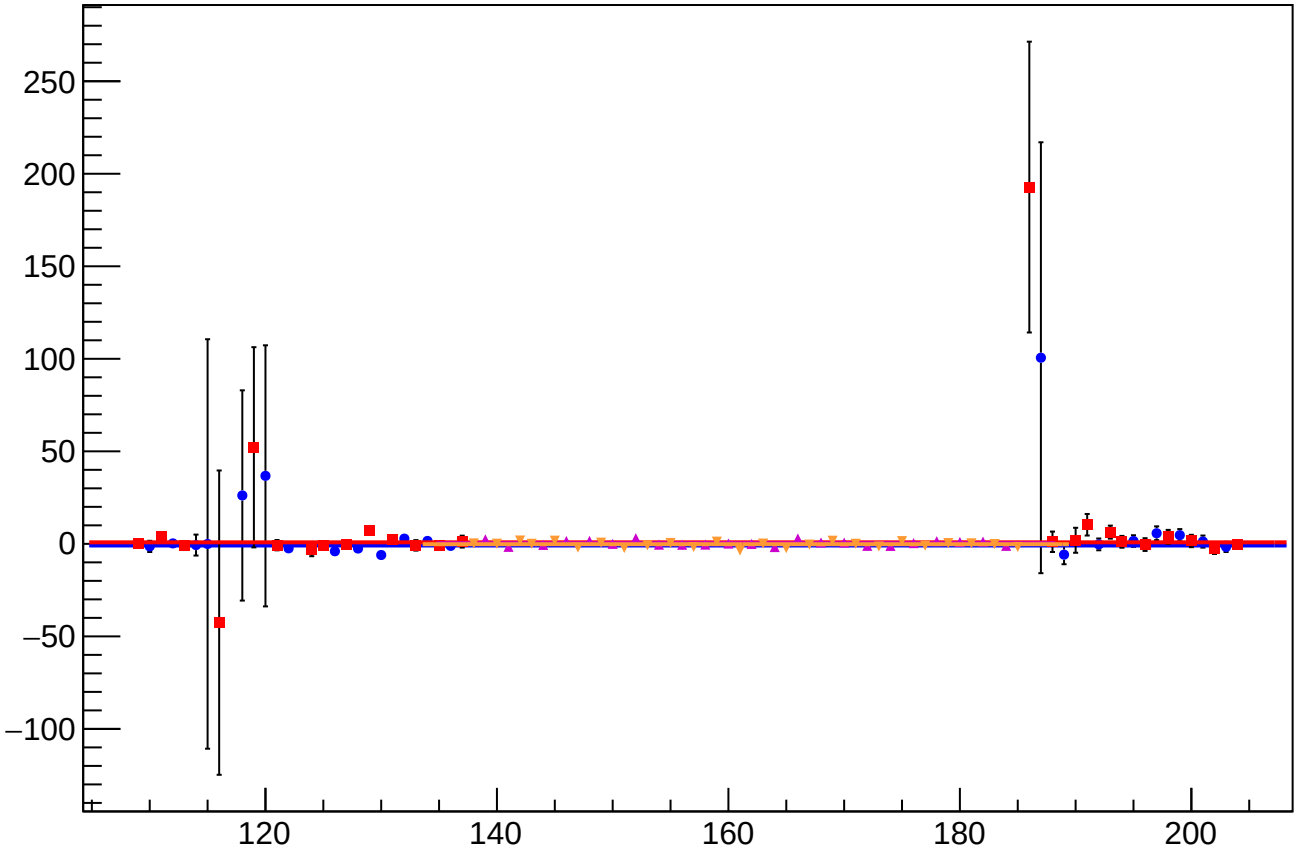
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3430.064+/-0.444 χ^2/NDF: 4815899.8/48

All: 3405.862+/-0.310 χ^2/NDF: 10727790.6/1

- sign 3382.949+/-0.432 χ^2/NDF: 5906114.8/52

diff_bpm1p02bX_mean vs Slug



Right In: -0.881+/-0.633 χ^2/NDF: 20.7/20

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 0.821+/-0.608 χ^2/NDF: 26.1/24

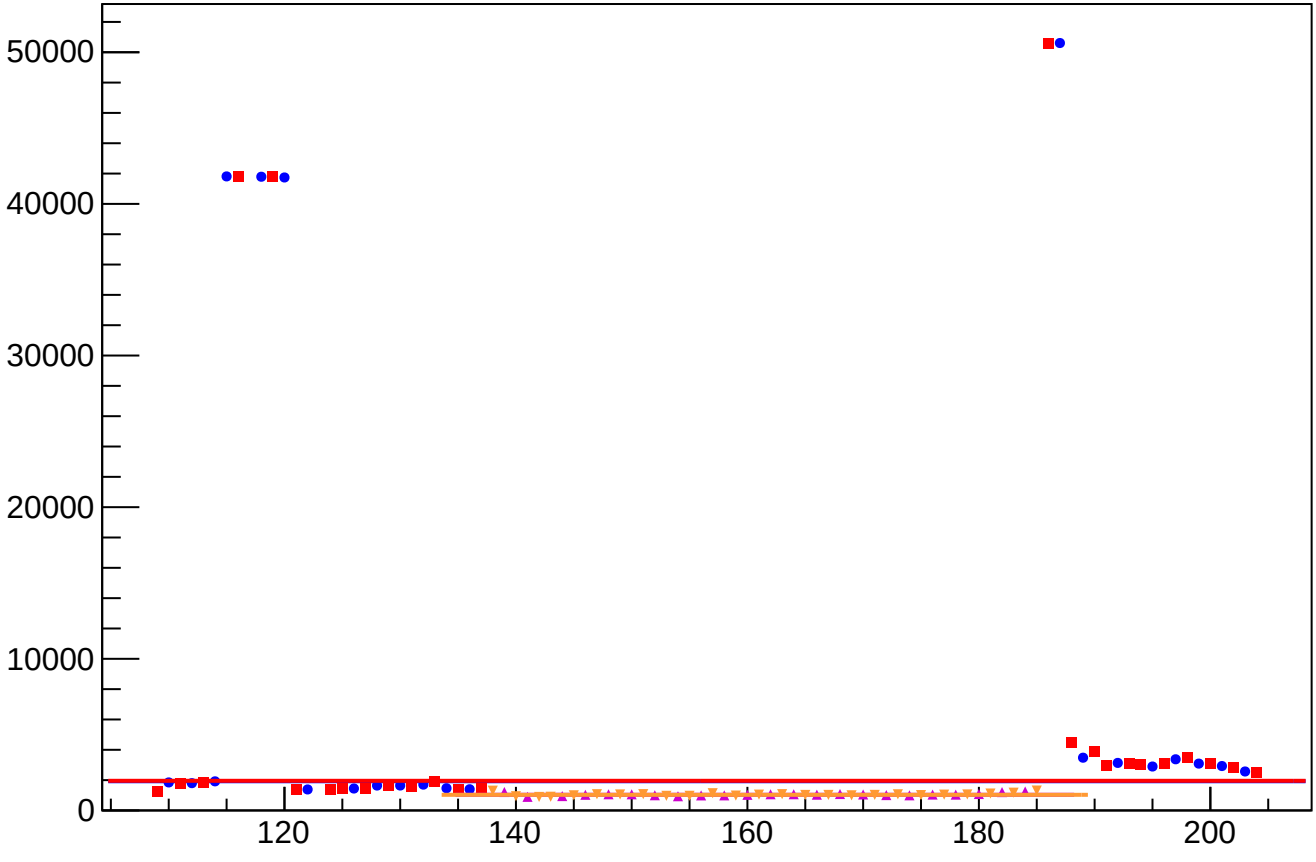
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.283+/-0.221 χ^2/NDF: 55.7/45

All: 0.052+/-0.158 χ^2/NDF: 116.4/93

- sign 0.400+/-0.225 χ^2/NDF: 56.1/47

diff_bpm1p02bX_rms vs Slug



Right In: 1925.421+/-0.448 χ^2/NDF: 4369030.4/20

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1955.530+/-0.430 χ^2/NDF: 5346937.7/24

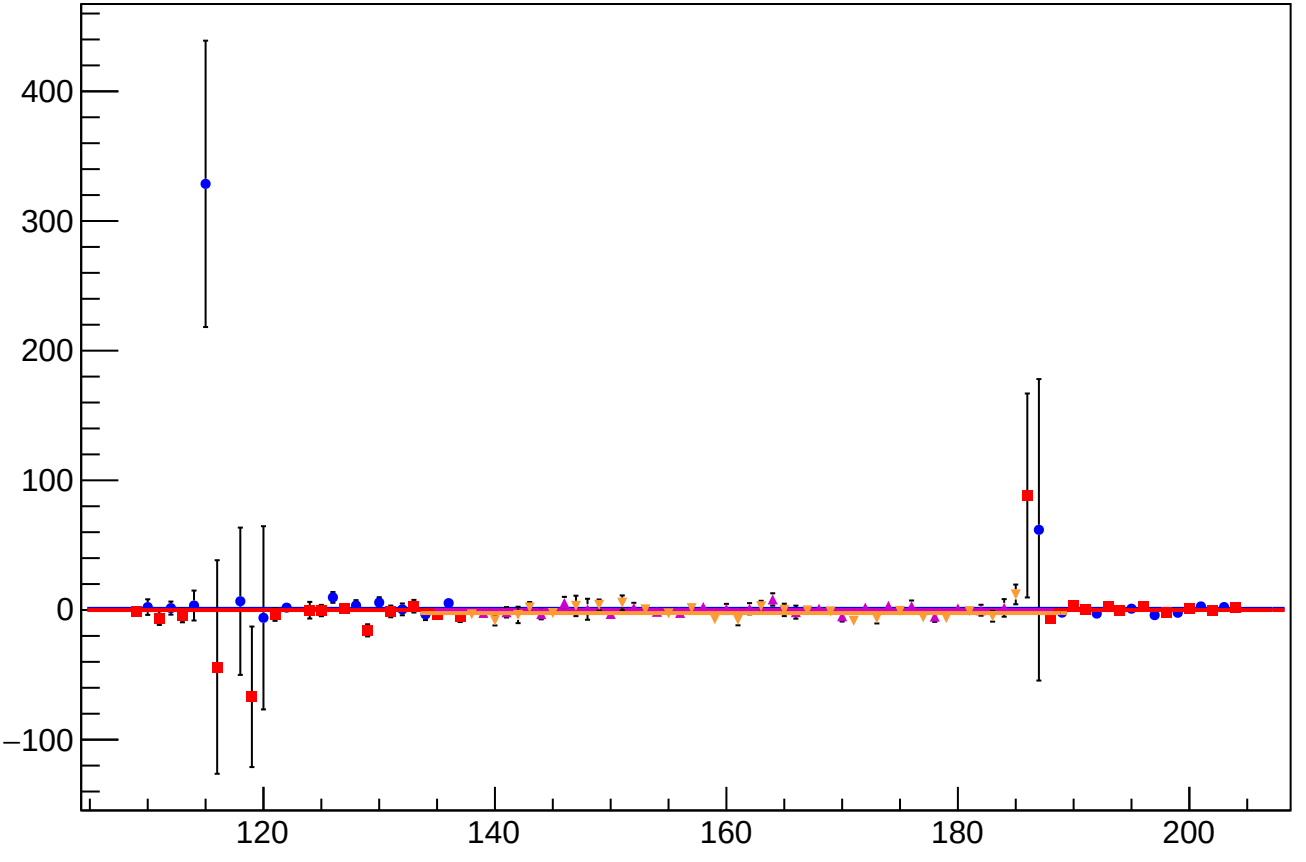
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1140.023+/-0.156 χ^2/NDF: 8112473.7/45

All: 1149.283+/-0.111 χ^2/NDF: 17625232.7/9

- sign 1158.902+/-0.159 χ^2/NDF: 9505584.2/47

diff_bpm1p02bY_mean vs Slug



Right In: 0.867+/-0.674 χ^2/NDF: 33.2/20

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -0.042+/-0.630 χ^2/NDF: 29.9/24

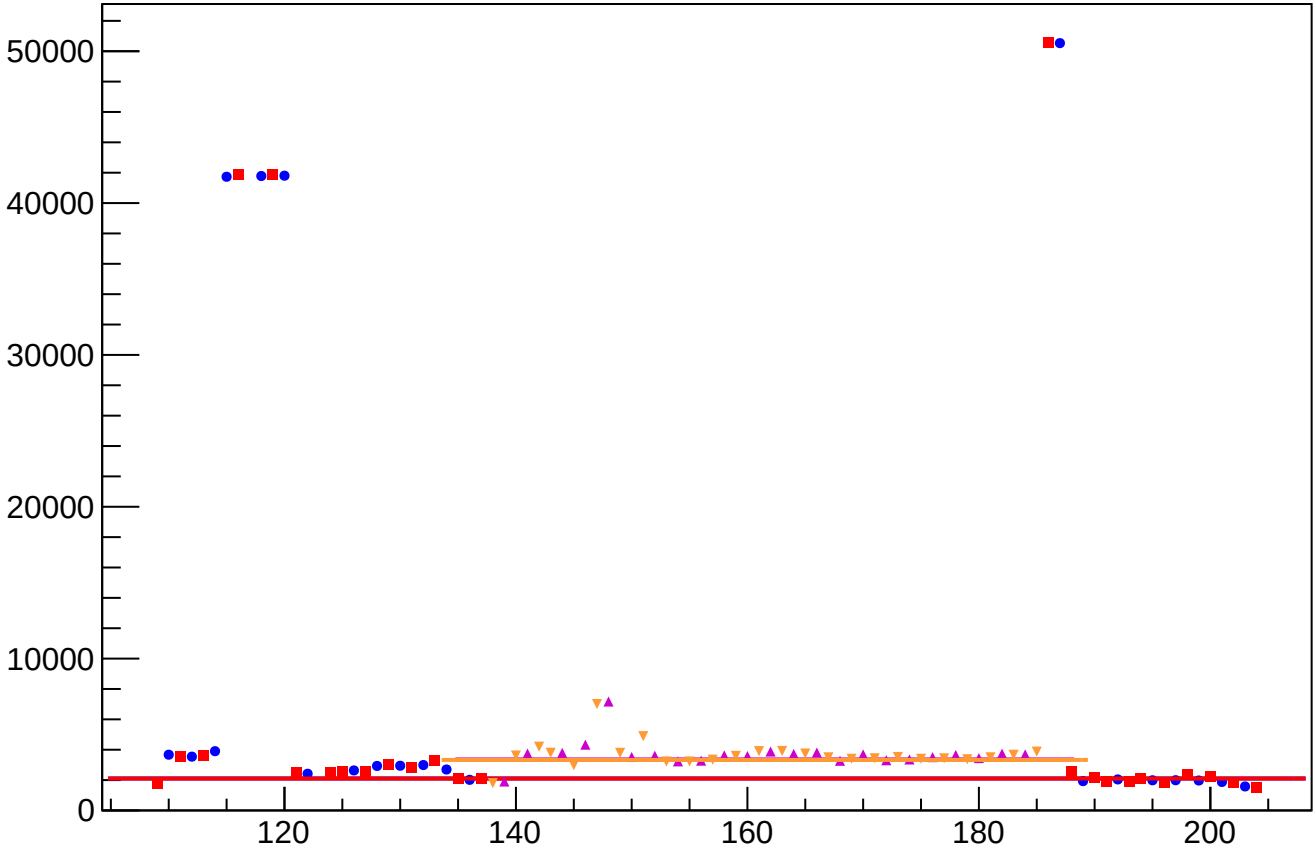
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.516+/-0.510 χ^2/NDF: 67.4/45

All: -0.298+/-0.356 χ^2/NDF: 110.3/93

- sign -0.091+/-0.497 χ^2/NDF: 42.6/47

diff_bpm1p02bY_rms vs Slug



Right In: 2105.612+/-0.476 χ^2/NDF: 3129380.9/20

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2101.457+/-0.446 χ^2/NDF: 3389607.2/24

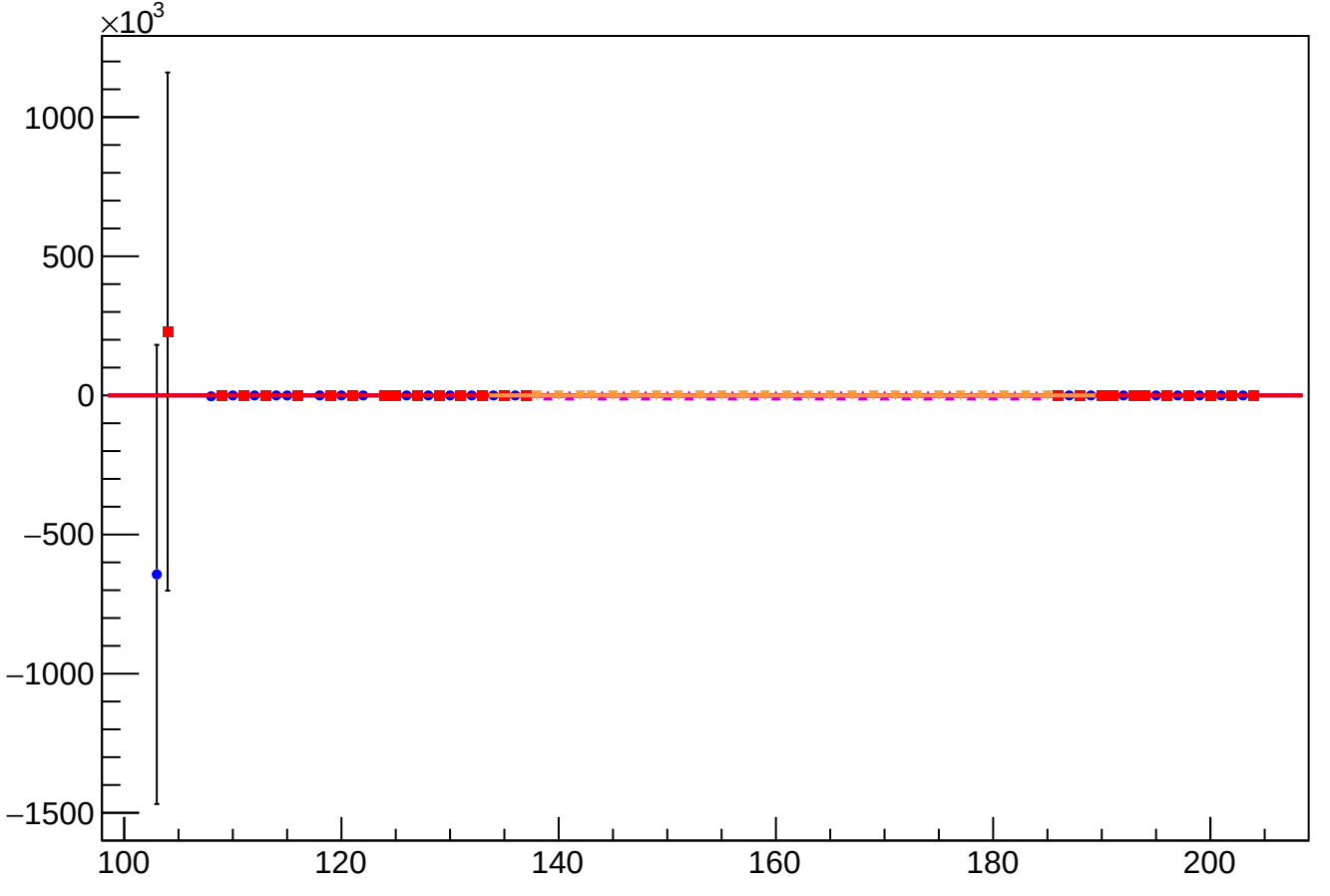
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2626.519+/-0.361 χ^2/NDF: 7850283.5/45

All: 2600.935+/-0.252 χ^2/NDF: 15912198.2/9

- sign 2576.654+/-0.352 χ^2/NDF: 8052124.1/47

diff_bpm1p03aX_mean vs Slug



Right In: -0.899+/-0.677 χ^2/NDF: 26.2/22

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -1.634+/-0.651 χ^2/NDF: 24.5/25

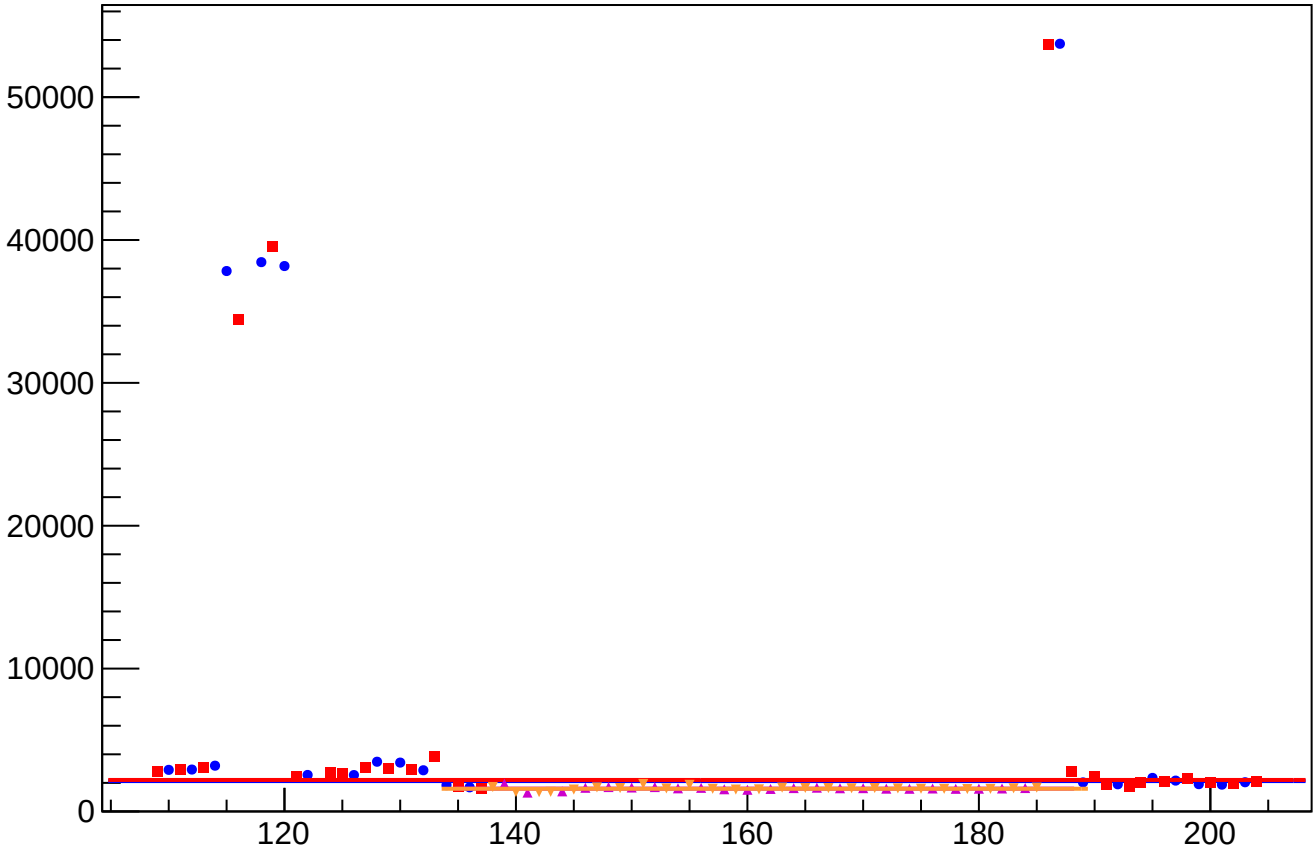
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.423+/-0.320 χ^2/NDF: 77.2/47

All: -0.915+/-0.228 χ^2/NDF: 138.9/96

- sign -0.393+/-0.325 χ^2/NDF: 56.6/48

diff_bpm1p03aX_rms vs Slug



Right In: 2126.354+/-0.479 χ^2/NDF: 2968193.7/20

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2204.720+/-0.460 χ^2/NDF: 3216896.4/24

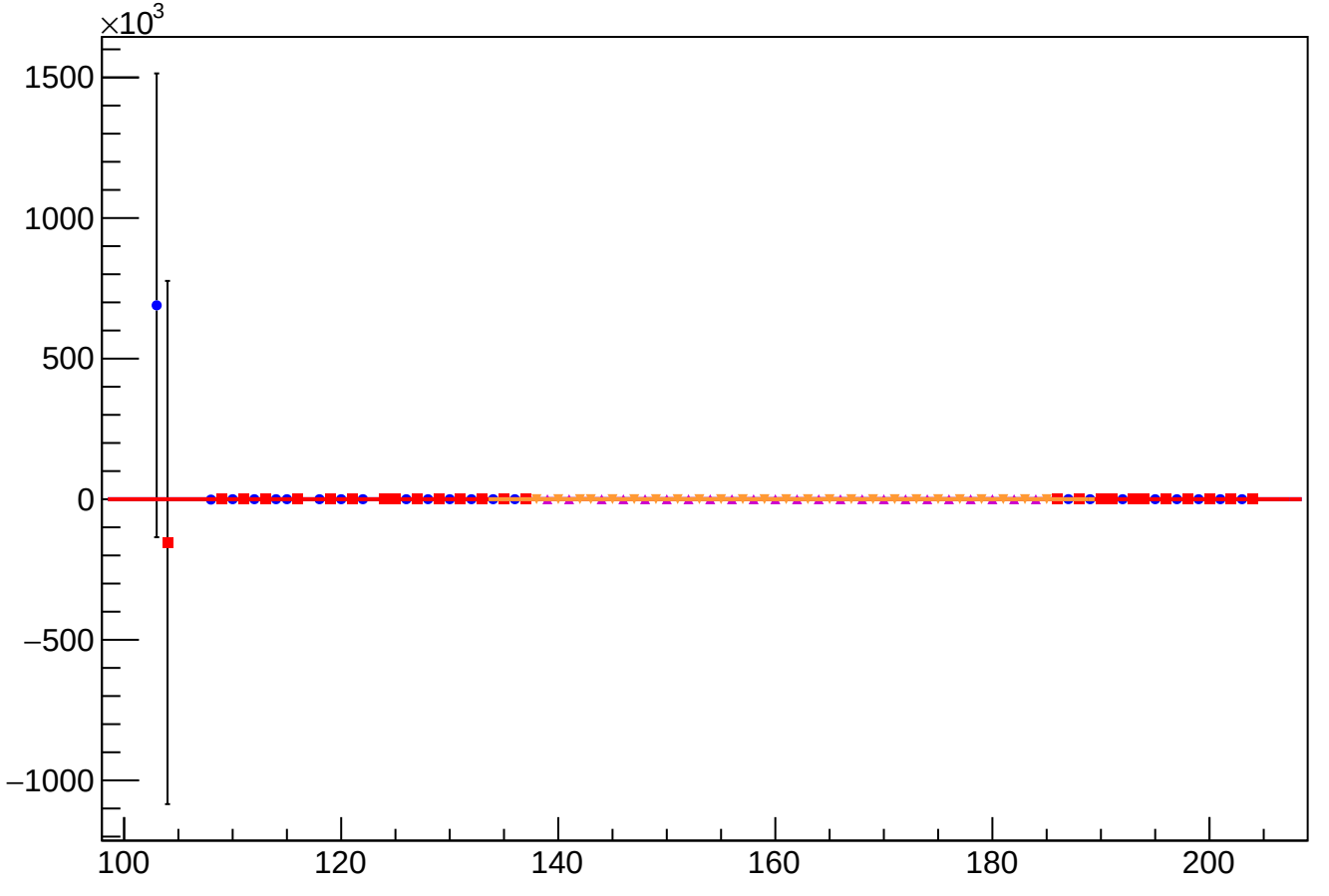
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1709.184+/-0.226 χ^2/NDF: 4176578.5/45

All: 1728.026+/-0.161 χ^2/NDF: 8917273.9/93

- sign 1747.426+/-0.230 χ^2/NDF: 4726612.5/47

diff_bpm1p03aY_mean vs Slug



Right In: 0.823+/-0.564 χ^2/NDF: 15.5/22

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 0.149+/-0.523 χ^2/NDF: 26.5/25

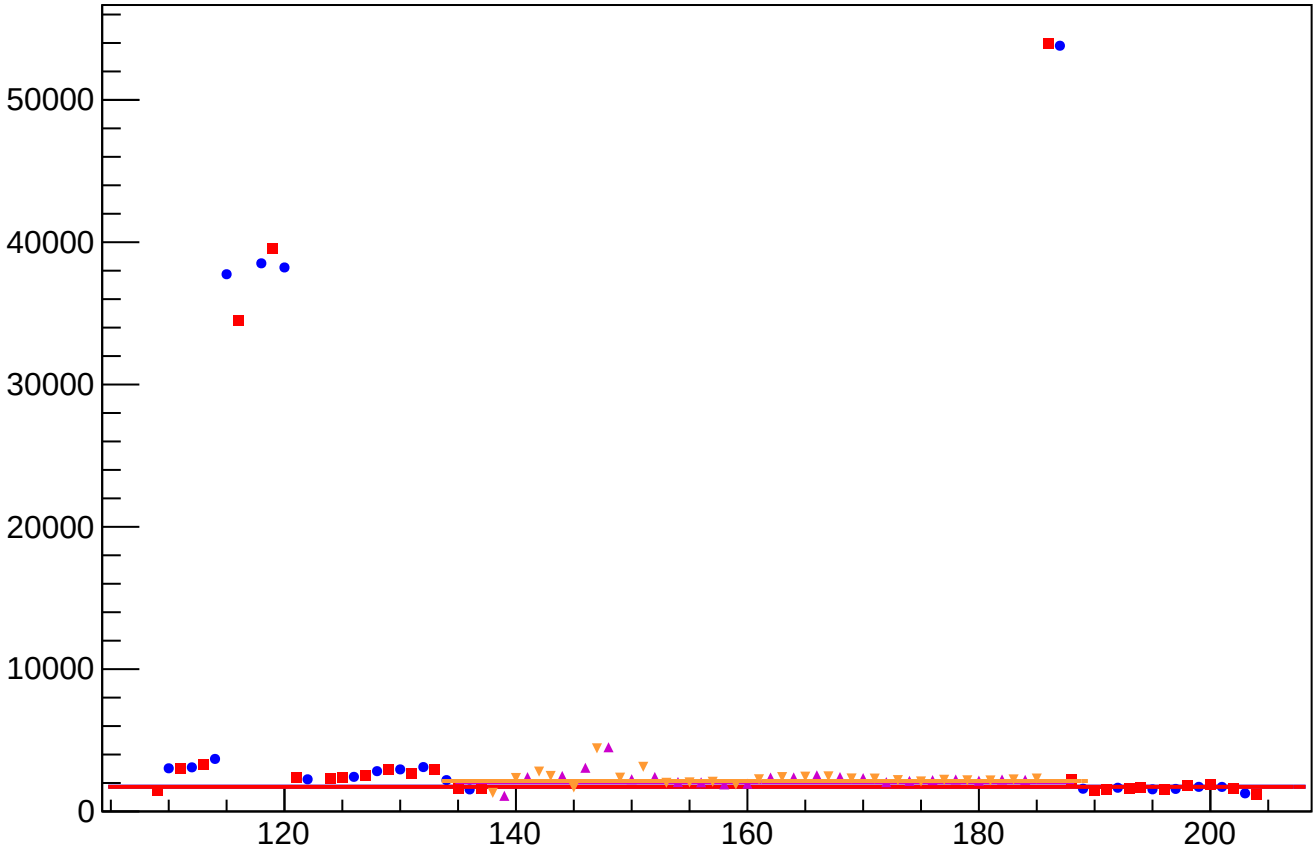
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.293+/-0.375 χ^2/NDF: 46.9/47

All: -0.070+/-0.260 χ^2/NDF: 91.0/96

- sign 0.136+/-0.362 χ^2/NDF: 43.4/48

diff_bpm1p03aY_rms vs Slug



Right In: 1740.747+/-0.398 χ^2/NDF: 3569311.7/20

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1728.729+/-0.370 χ^2/NDF: 3799026.0/24

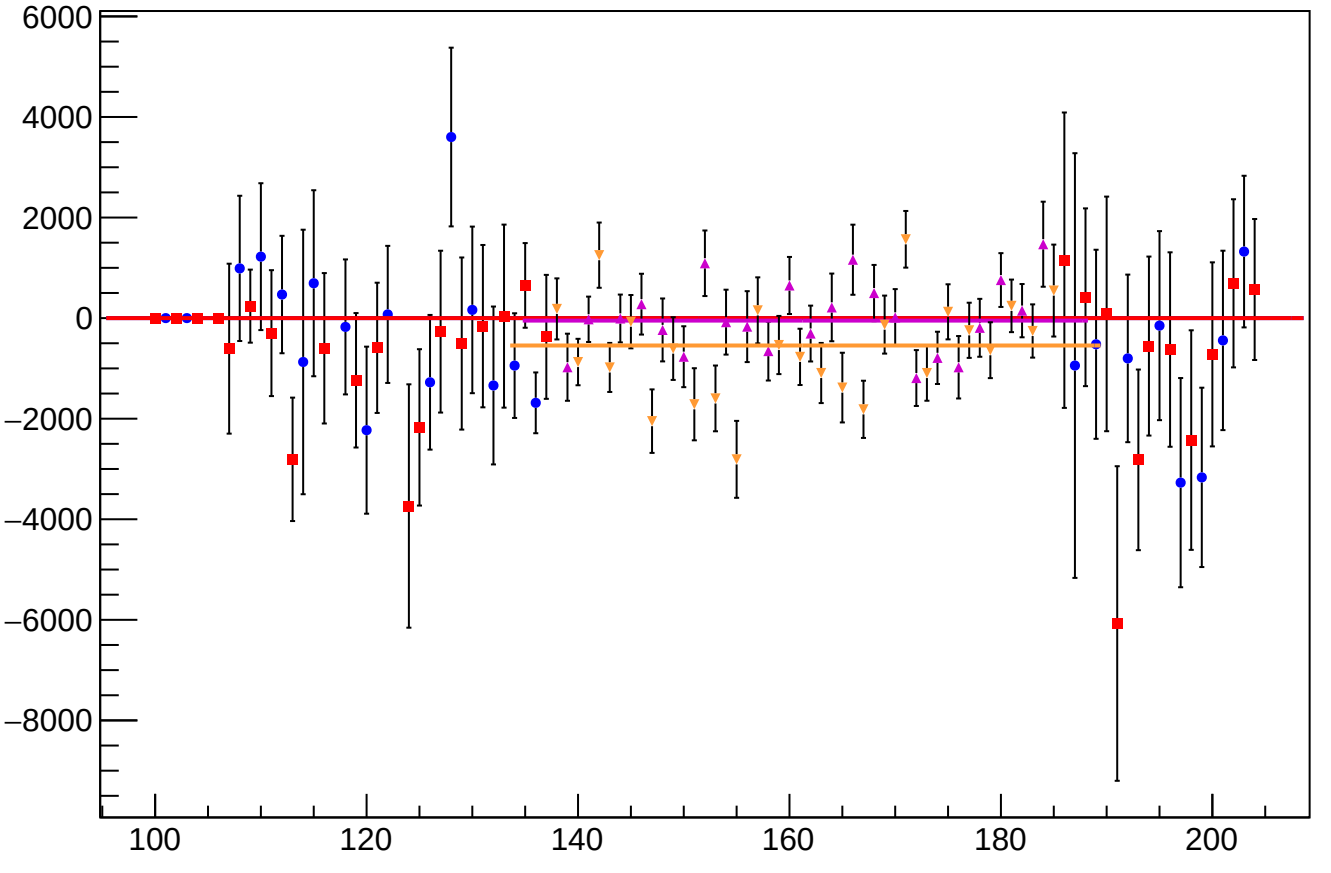
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 1962.753+/-0.265 χ^2/NDF: 5606464.5/45

All: 1930.508+/-0.184 χ^2/NDF: 12141343.5/9

- sign 1900.483+/-0.256 χ^2/NDF: 6506327.8/47

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 24.6/23

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

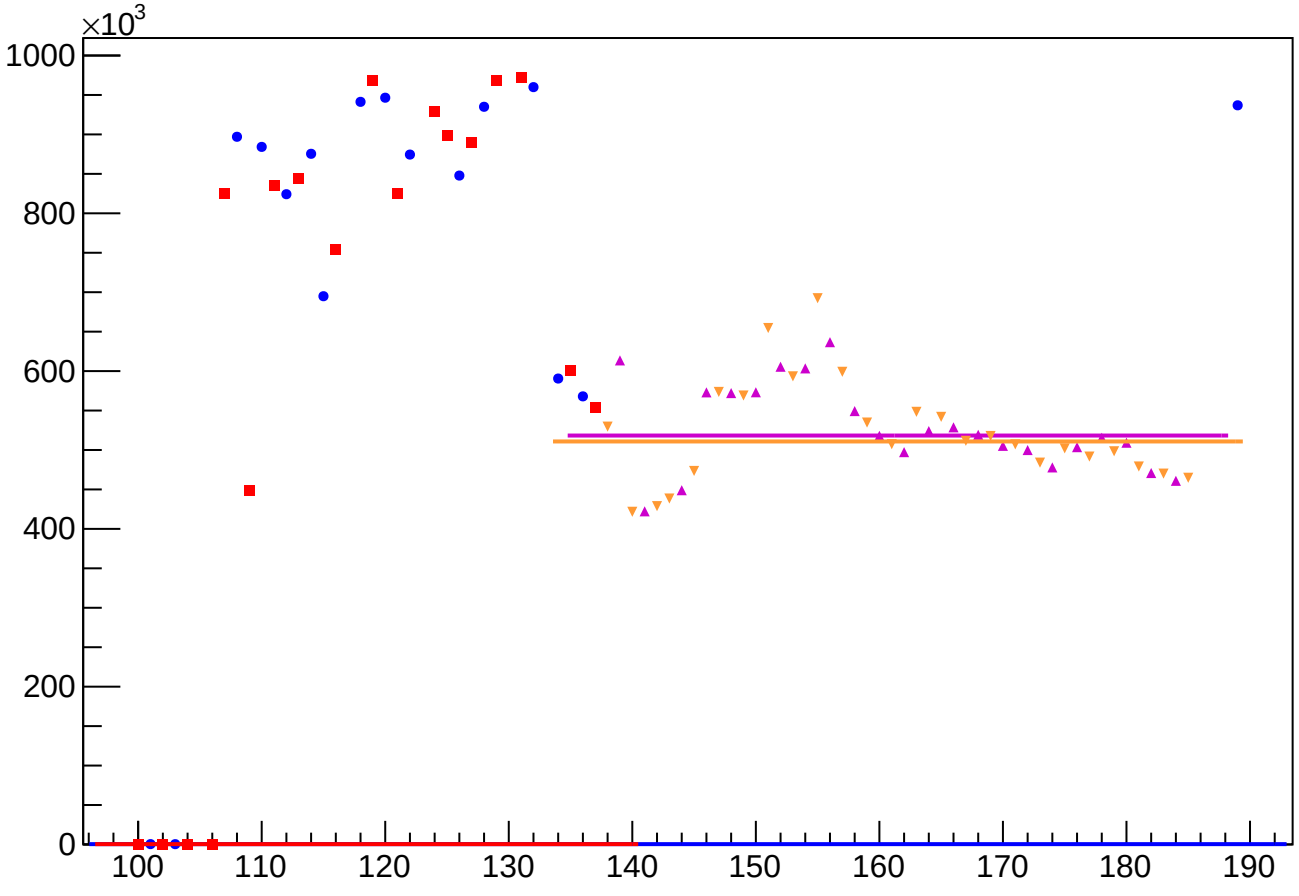
Right Out: 0.096+/-0.328 χ^2/NDF: 23.8/29

Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.250+/-0.356 χ^2/NDF: 107.0/48

All: 0.166+/-0.241 χ^2/NDF: 159.1/101

- sign 0.095+/-0.328 χ^2/NDF: 51.9/52



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

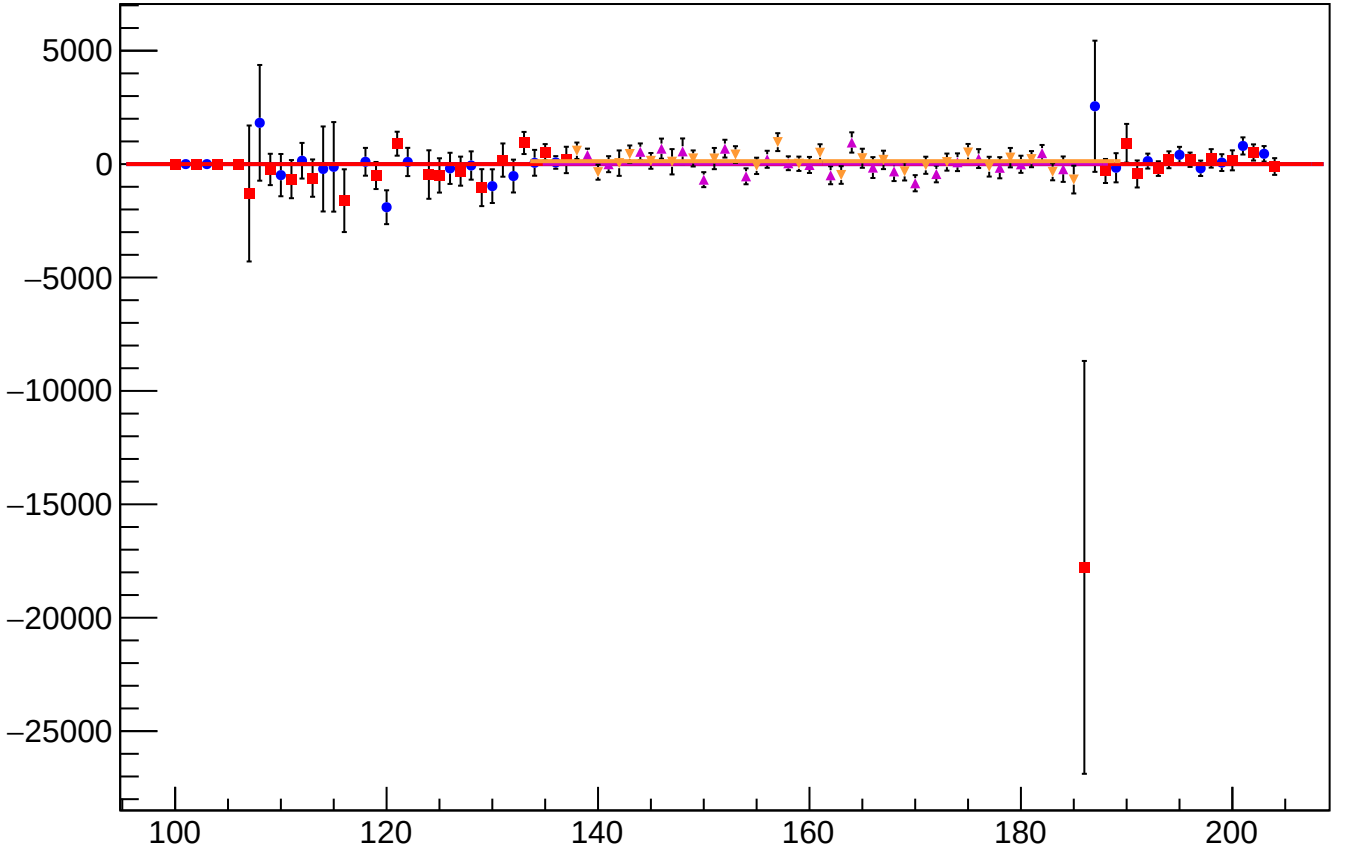
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ 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

diff_cav4bY_mean vs Slug



Right In: -0.019+/-0.347 χ^2/NDF: 19.4/23

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

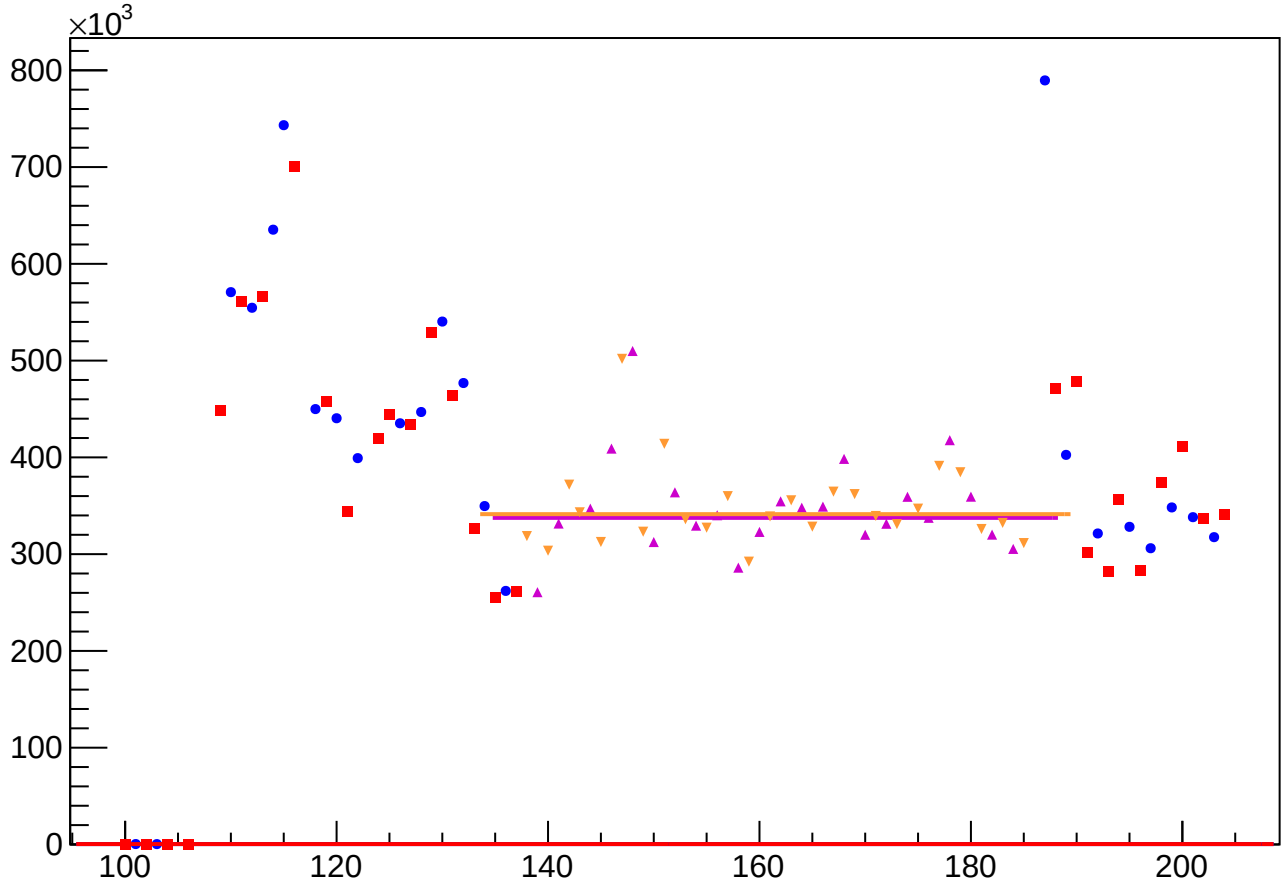
Right Out: 0.599+/-0.324 χ^2/NDF: 24.5/29

Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.016+/-0.347 χ^2/NDF: 42.2/48

All: 0.313+/-0.237 χ^2/NDF: 102.1/101

- sign 0.600+/-0.324 χ^2/NDF: 58.3/52



Right In: 392.301+/-0.245 χ^2/NDF: 22248193.9/22

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 390.158+/-0.229 χ^2/NDF: 25591032.4/27

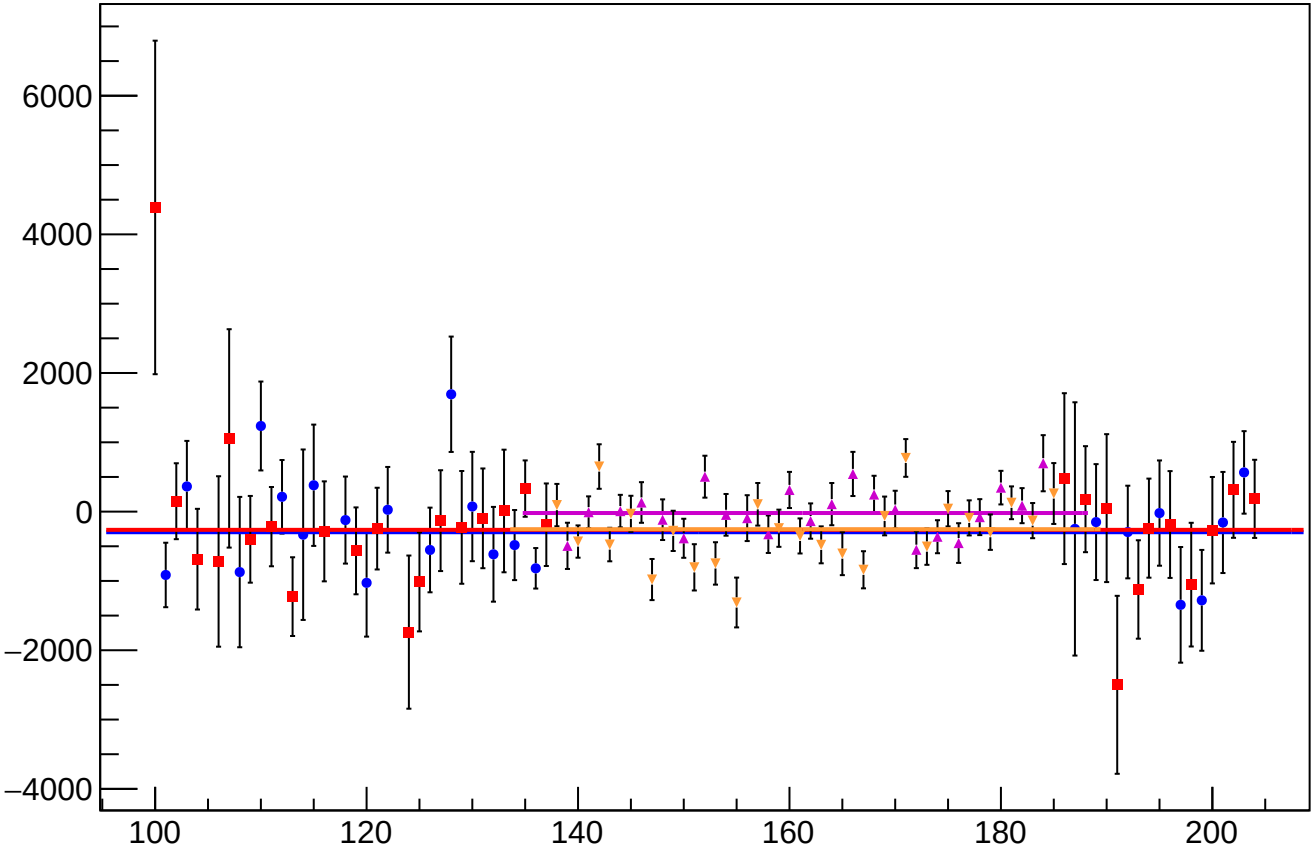
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 399.010+/-0.245 χ^2/NDF: 60618653.3/47

All: 397.247+/-0.167 χ^2/NDF: 122528515.5/9

- sign 395.713+/-0.229 χ^2/NDF: 61909765.7/50

diff_cav4cX_mean vs Slug



Right In: -297.252+/-129.336 χ^2/NDF: 26.9/23

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

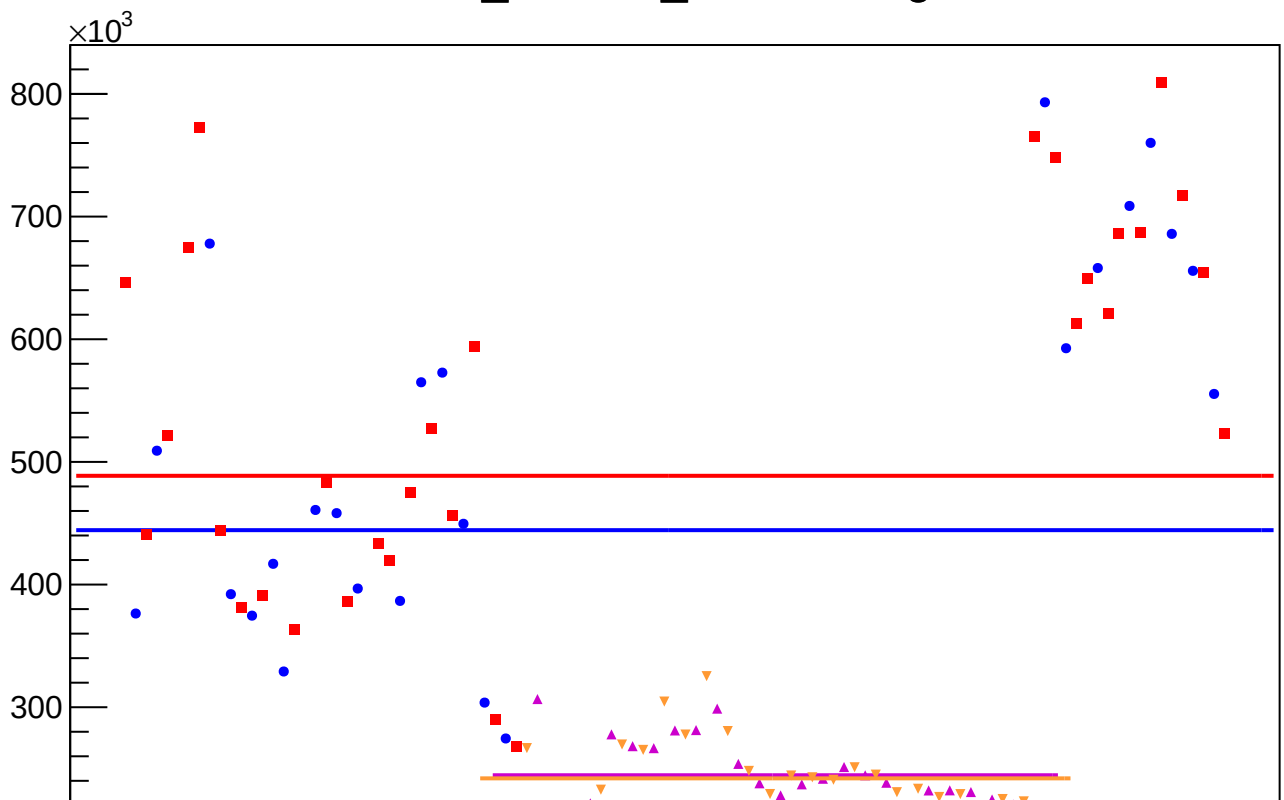
Right Out: -262.951+/-130.797 χ^2/NDF: 21.3/29

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -261.023+/-50.938 χ^2/NDF: 88.3/48

All: -163.533+/-36.601 χ^2/NDF: 148.6/101

- sign -59.477+/-52.626 χ^2/NDF: 52.7/52



Right In: 444358.055+/-91.474 χ^2/NDF: 2520654.6/23

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 488673.582+/-92.602 χ^2/NDF: 2494523.2/29

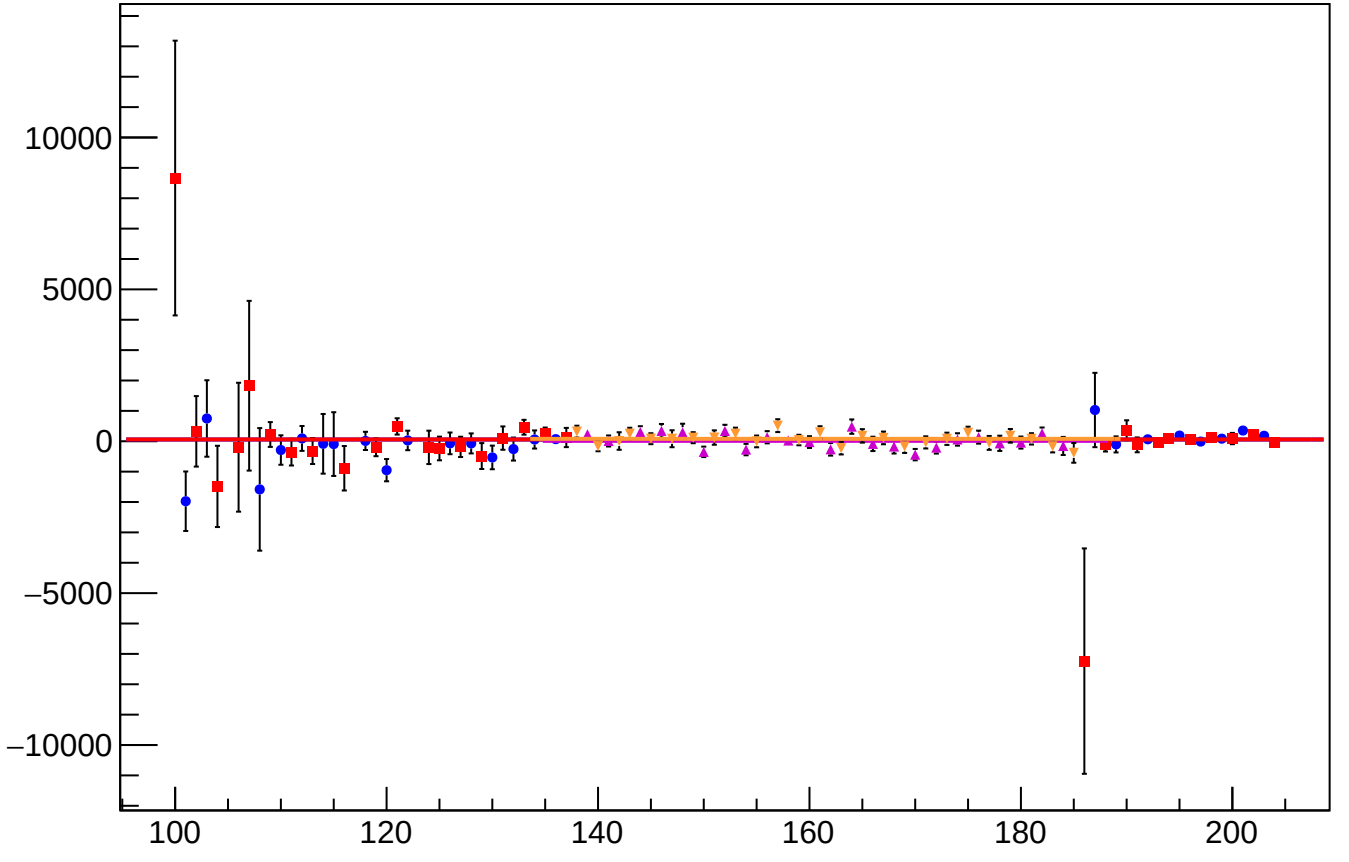
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 273384.734+/-36.020 χ^2/NDF: 7068510.6/48

All: 278509.395+/-25.884 χ^2/NDF: 1579387

- sign 283981.014+/-37.219 χ^2/NDF: 8683515.8/52

diff_cav4cY_mean vs Slug



Right In: 57.039+/-48.208 χ^2/NDF: 22.9/23

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 59.390+/-45.152 χ^2/NDF: 27.4/29

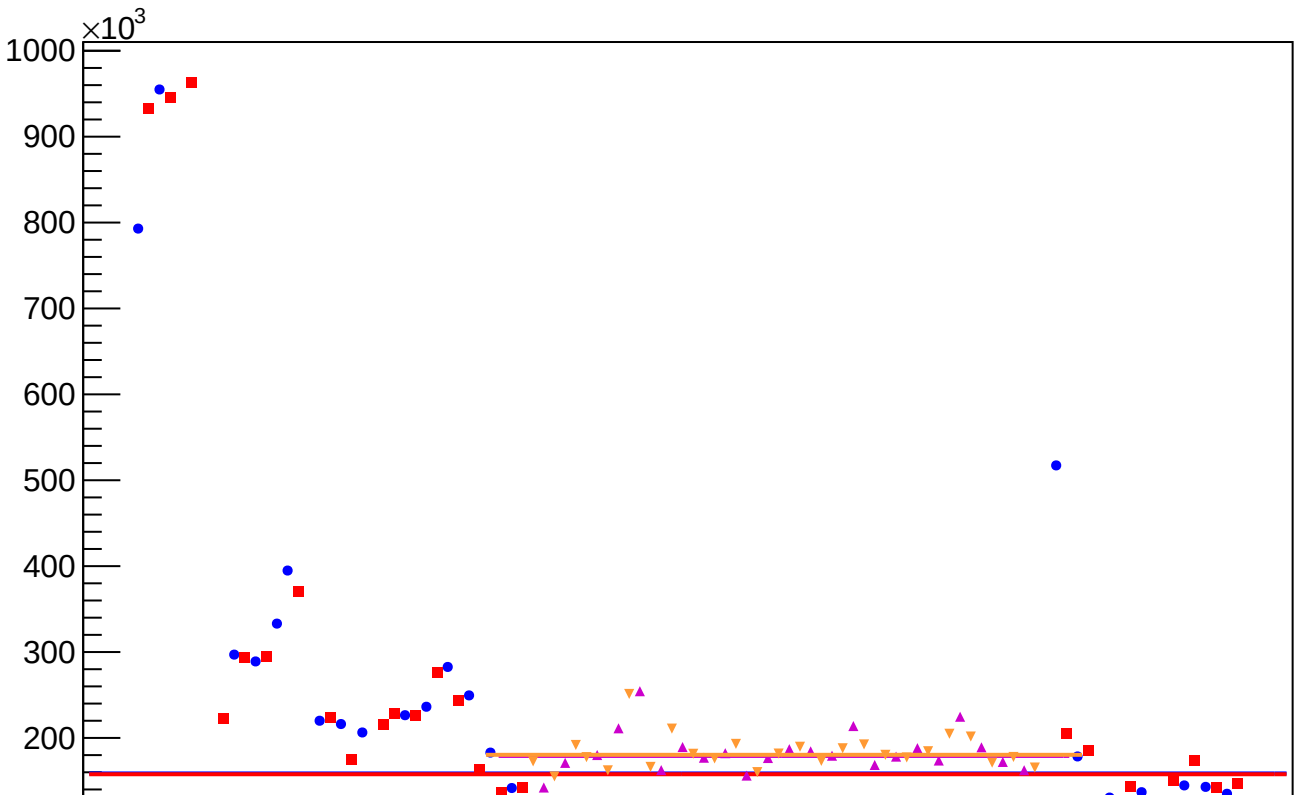
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 69.990+/-31.364 χ^2/NDF: 42.8/48

All: 52.302+/-21.992 χ^2/NDF: 104.5/101

- sign 35.198+/-30.844 χ^2/NDF: 61.1/52

diff_cav4cY_rms vs Slug



Right In: 158663.056+/-34.106 χ^2/NDF: 3204953.1/22

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 157719.789+/-31.951 χ^2/NDF: 3271521.5/26

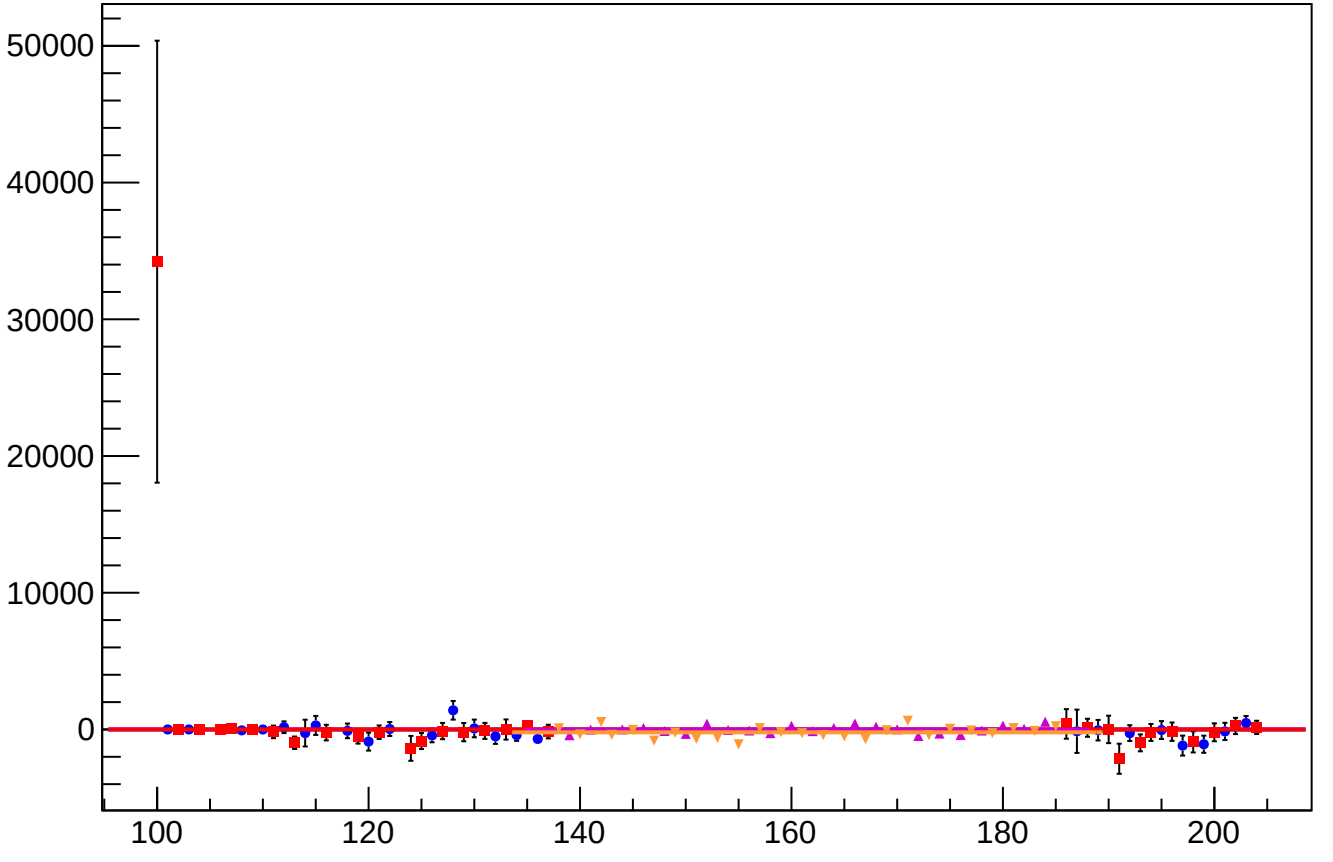
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 171171.570+/-22.183 χ^2/NDF: 3784682.2/47

All: 170113.753+/-15.555 χ^2/NDF: 7799379.

- sign 169090.521+/-21.817 χ^2/NDF: 4010223.8/49

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 24.8/23

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

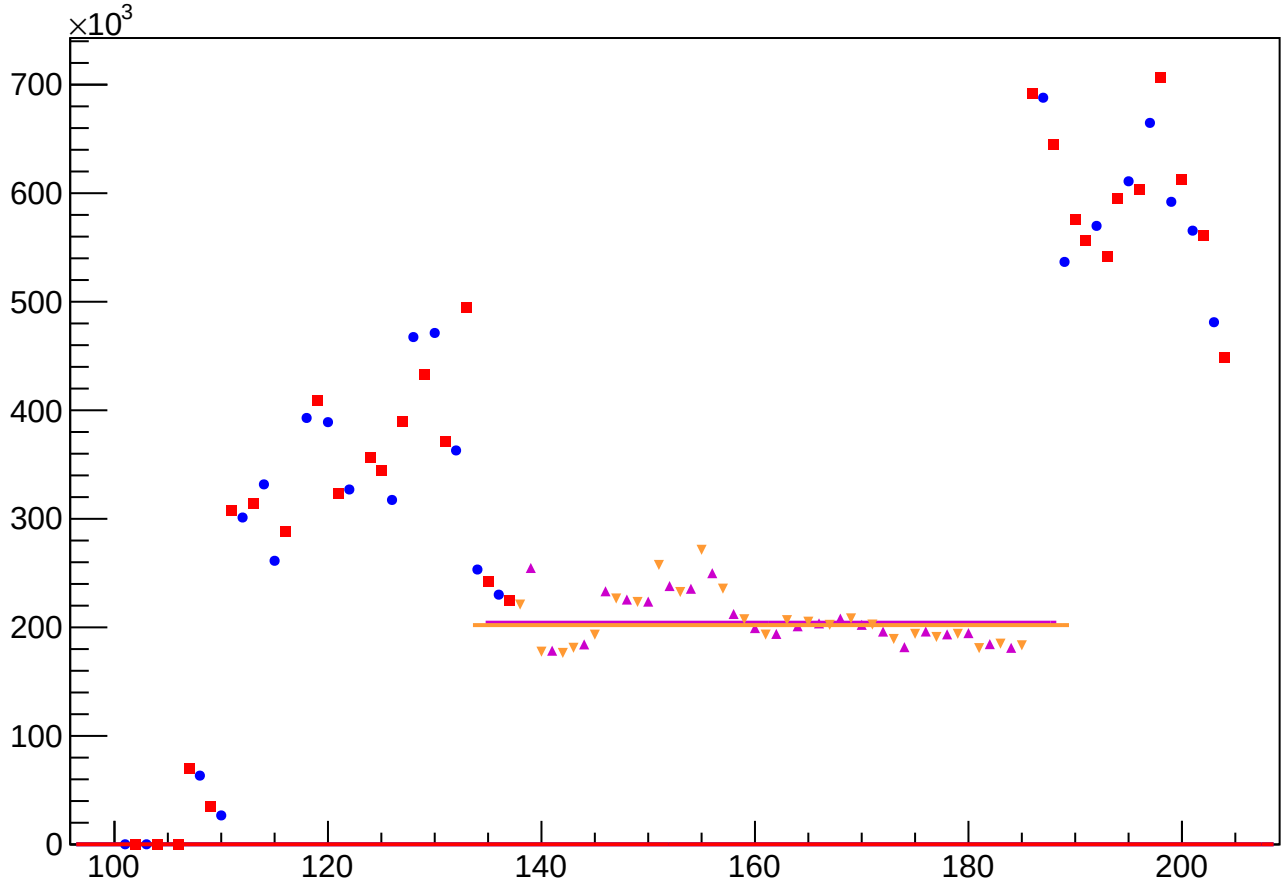
Right Out: -0.355+/-0.160 χ^2/NDF: 24.9/29

Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 106.6/48

All: -0.208+/-0.117 χ^2/NDF: 162.1/101

- sign -0.355+/-0.160 χ^2/NDF: 53.7/52



Right In: 149.399+/-0.122 χ^2/NDF: 23182156.8/23

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.725+/-0.113 χ^2/NDF: 27102859.2/28

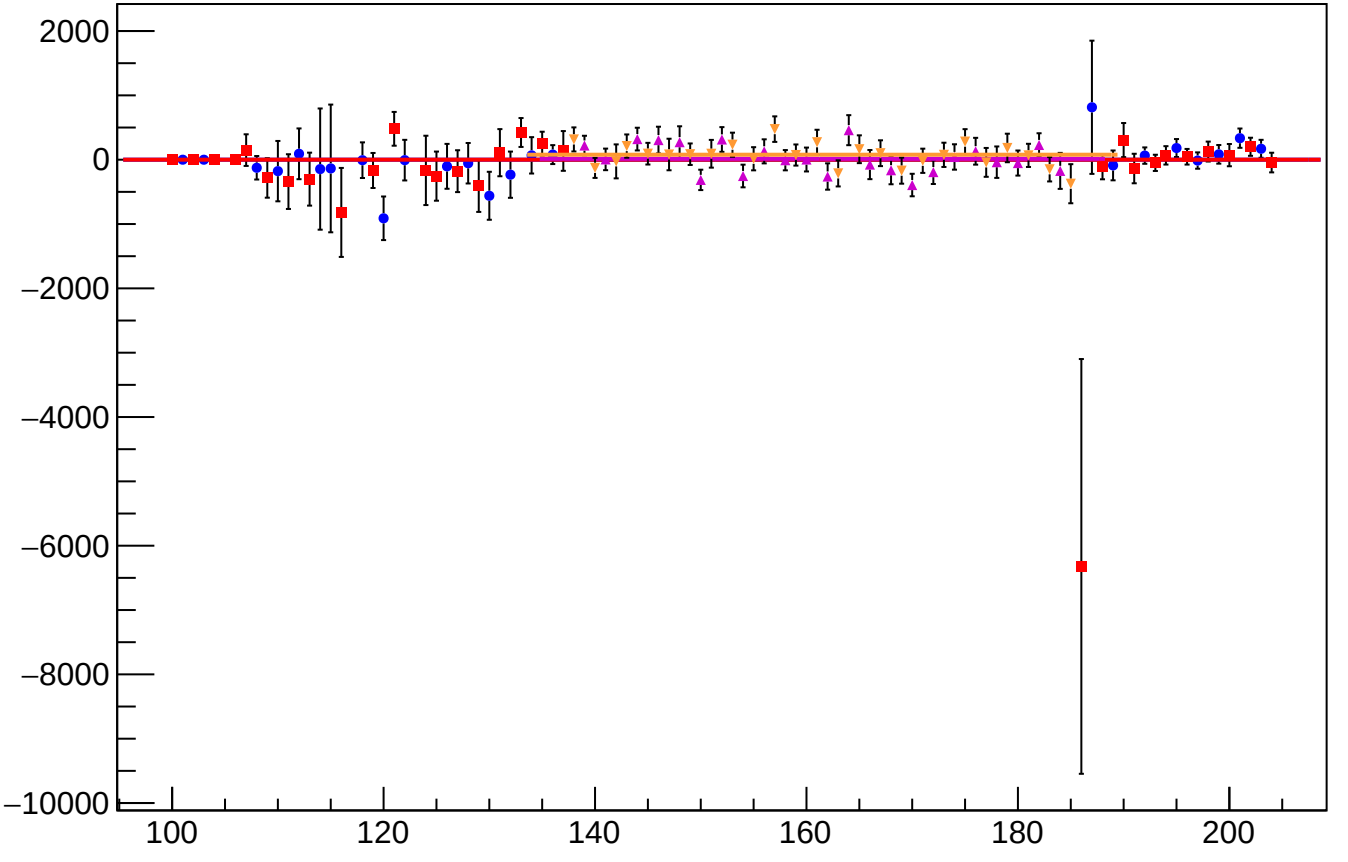
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.196+/-0.122 χ^2/NDF: 61677914.7/48

All: 152.088+/-0.083 χ^2/NDF: 125283434.2/1

- sign 151.994+/-0.113 χ^2/NDF: 63605518.1/51

diff_cav4dY_mean vs Slug



Right In: -0.067+/-0.177 χ^2/NDF: 20.7/23

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: 0.126+/-0.166 χ^2/NDF: 24.5/29

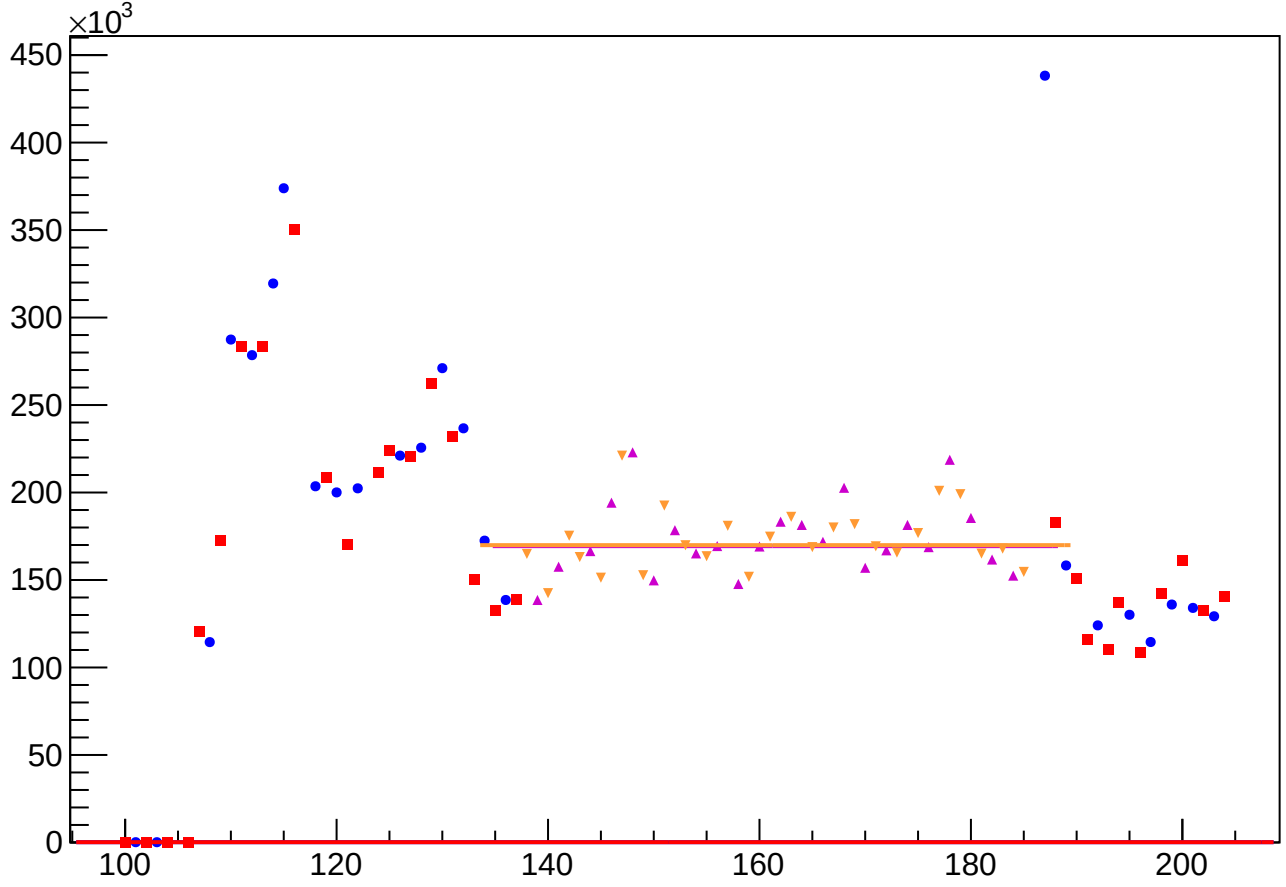
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.065+/-0.177 χ^2/NDF: 43.8/48

All: 0.037+/-0.121 χ^2/NDF: 101.8/101

- sign 0.127+/-0.166 χ^2/NDF: 57.3/52

diff_cav4dY_rms vs Slug



Right In: 154.837+/-0.125 χ^2/NDF: 23517174.5/23

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 157.658+/-0.118 χ^2/NDF: 26072031.7/28

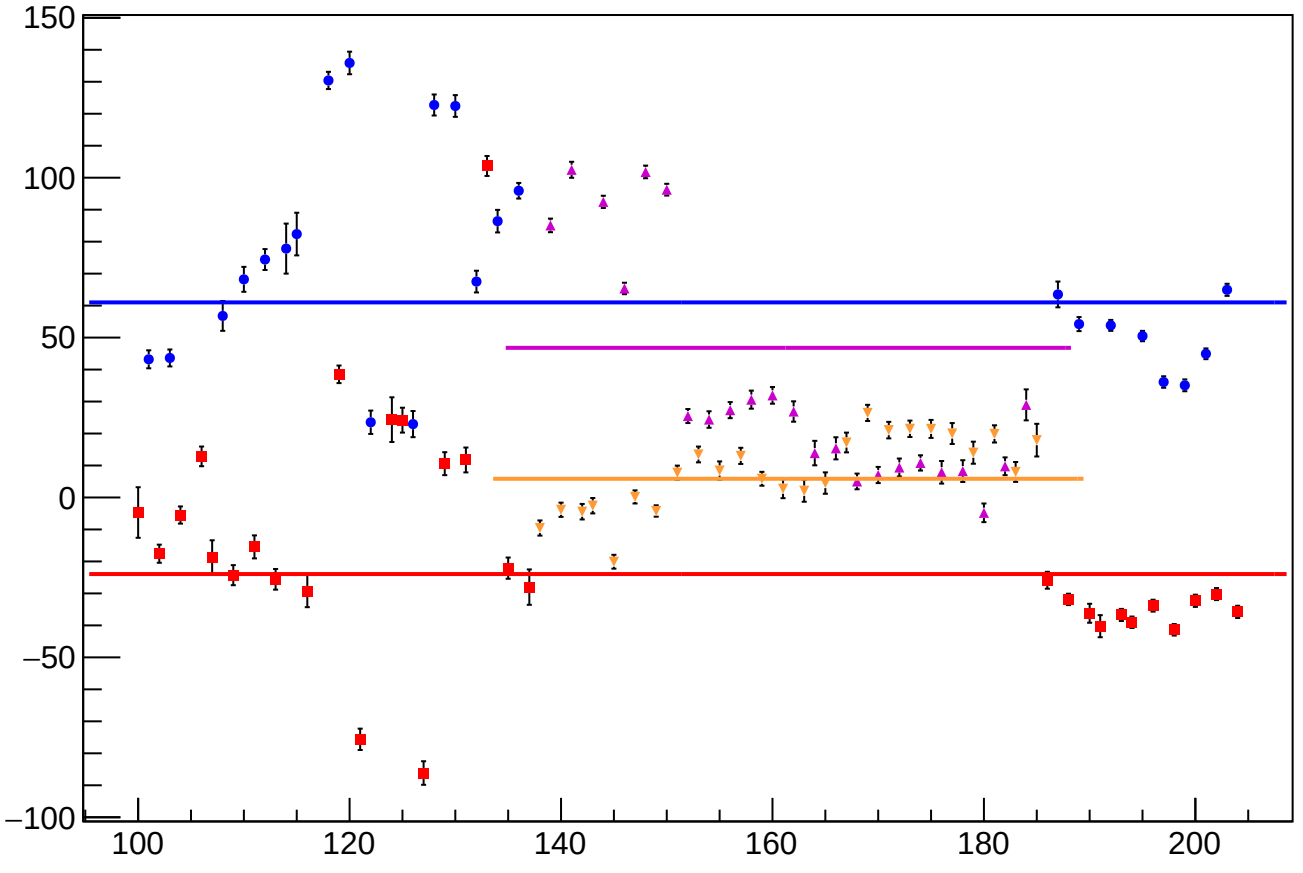
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 158.357+/-0.125 χ^2/NDF: 61928686.0/48

All: 159.548+/-0.086 χ^2/NDF: 124385265.0/1

- sign 160.599+/-0.118 χ^2/NDF: 62456409.0/51

diff_bpm0i01X_mean vs Slug



Right In: 61.004+/-0.527 χ^2/NDF: 2915.3/23

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -23.945+/-0.490 χ^2/NDF: 3667.7/29

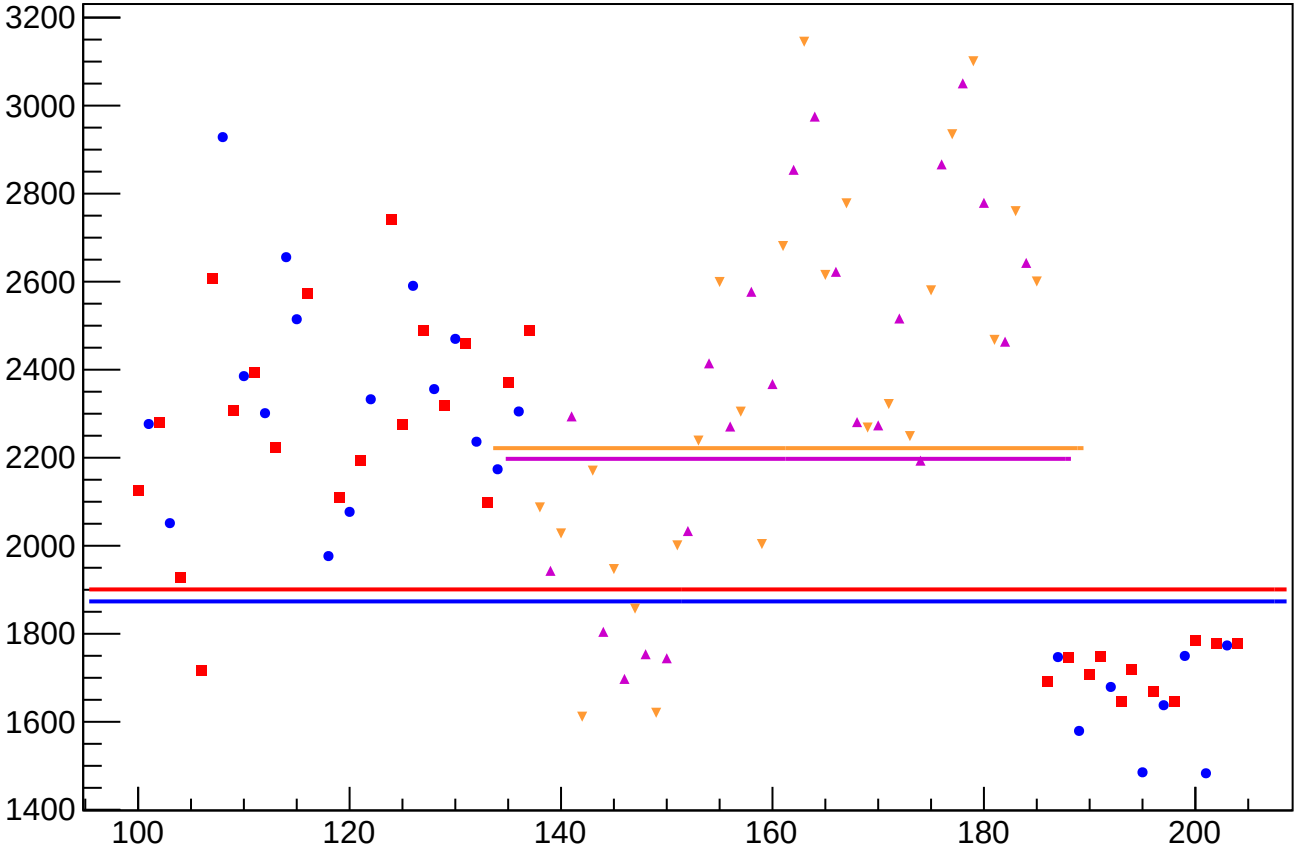
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

+ sign 32.747+/-0.368 χ^2/NDF: 9065.5/48

All: 20.562+/-0.257 χ^2/NDF: 29758.9/101

- sign 9.021+/-0.358 χ^2/NDF: 18557.4/52

diff_bpm0i01X_rms vs Slug



Right In: 1873.558+/-0.373 χ^2/NDF: 901721.1/23

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1900.801+/-0.346 χ^2/NDF: 662912.0/29

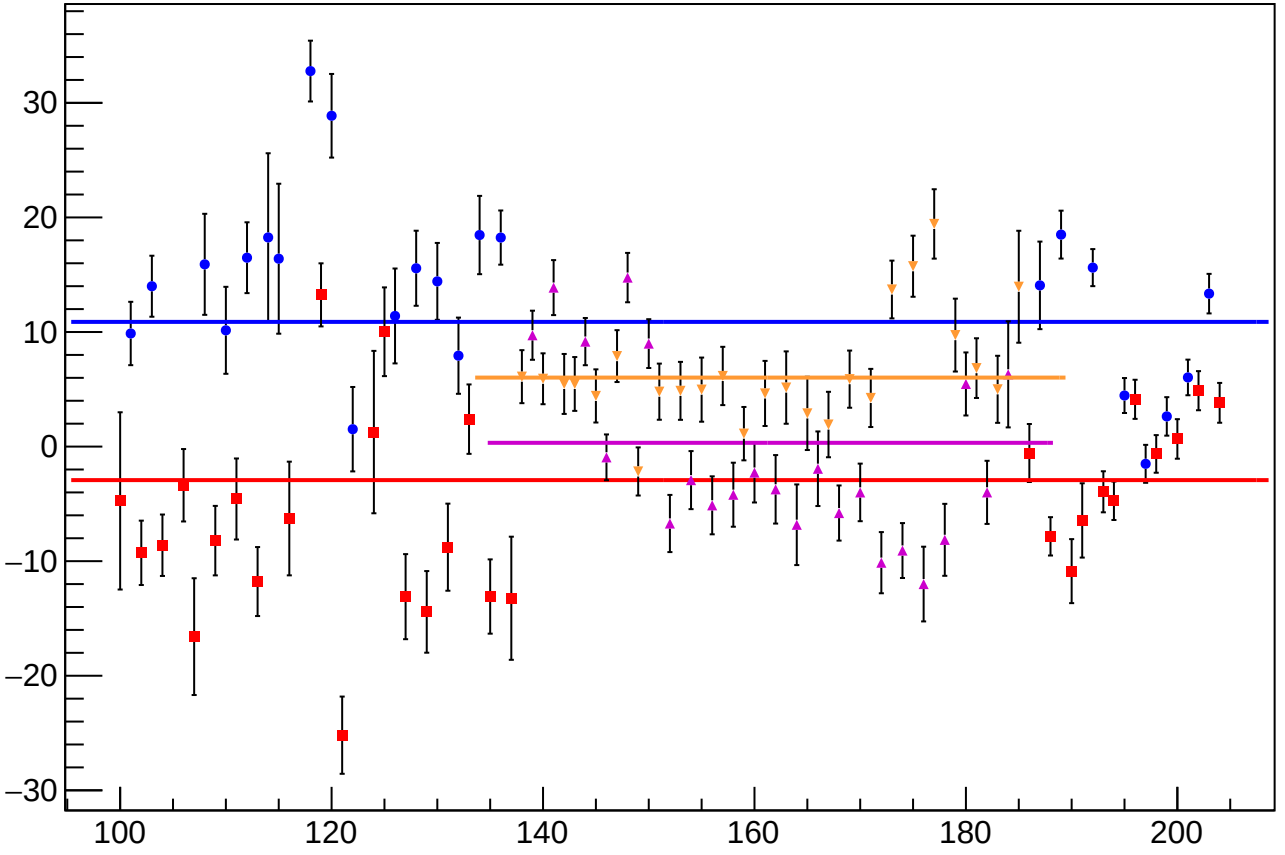
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2051.961+/-0.260 χ^2/NDF: 2533418.7/48

All: 2045.332+/-0.181 χ^2/NDF: 4643956.1/10

- sign 2039.055+/-0.253 χ^2/NDF: 2109273.4/52

diff_bpm0i01Y_mean vs Slug



Right In: 10.884+/-0.500 χ^2/NDF: 257.4/23

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

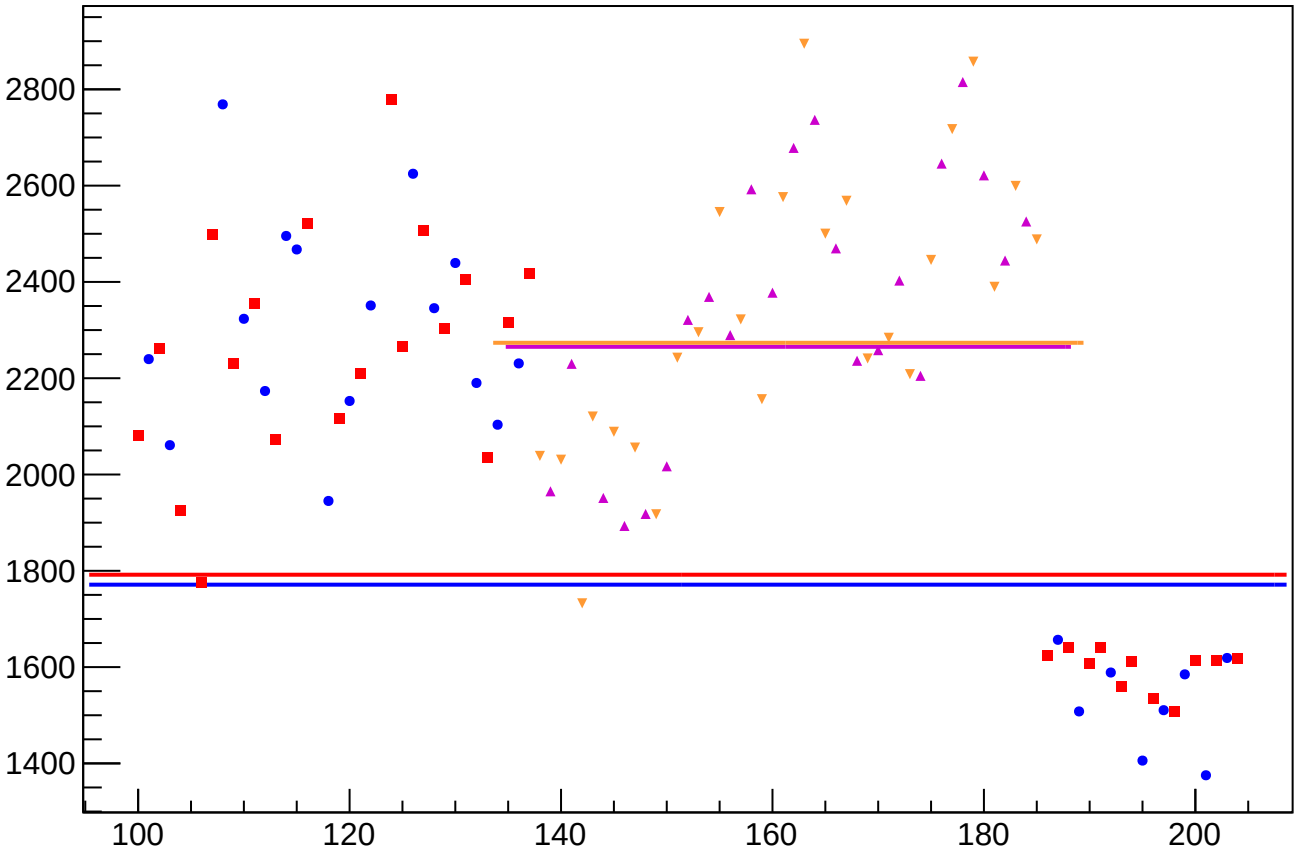
Right Out: -2.926+/-0.463 χ^2/NDF: 235.3/29

Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 8.553+/-0.361 χ^2/NDF: 374.5/48

All: 3.364+/-0.251 χ^2/NDF: 1258.2/101

- sign -1.529+/-0.350 χ^2/NDF: 481.3/52



Right In: 1771.216+/-0.353 χ^2/NDF: 1126784.9/23

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1791.887+/-0.328 χ^2/NDF: 905182.3/29

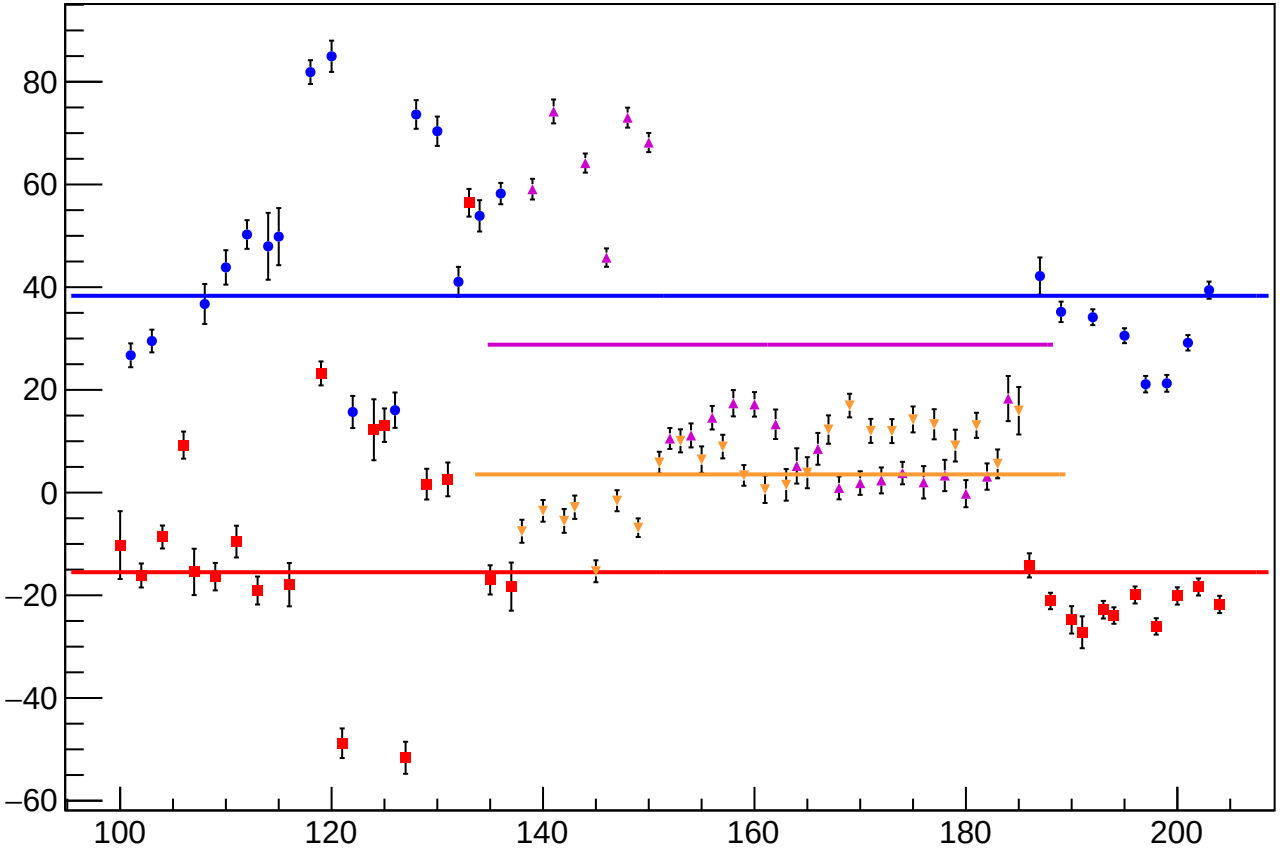
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2012.064+/-0.255 χ^2/NDF: 2632450.7/48

All: 2003.297+/-0.178 χ^2/NDF: 4930988.9/10

- sign 1995.030+/-0.248 χ^2/NDF: 2296241.4/52

diff_bpm0i01aX_mean vs Slug



Right In: 38.322+/-0.461 χ^2/NDF: 1454.7/23

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -15.503+/-0.429 χ^2/NDF: 1681.4/29

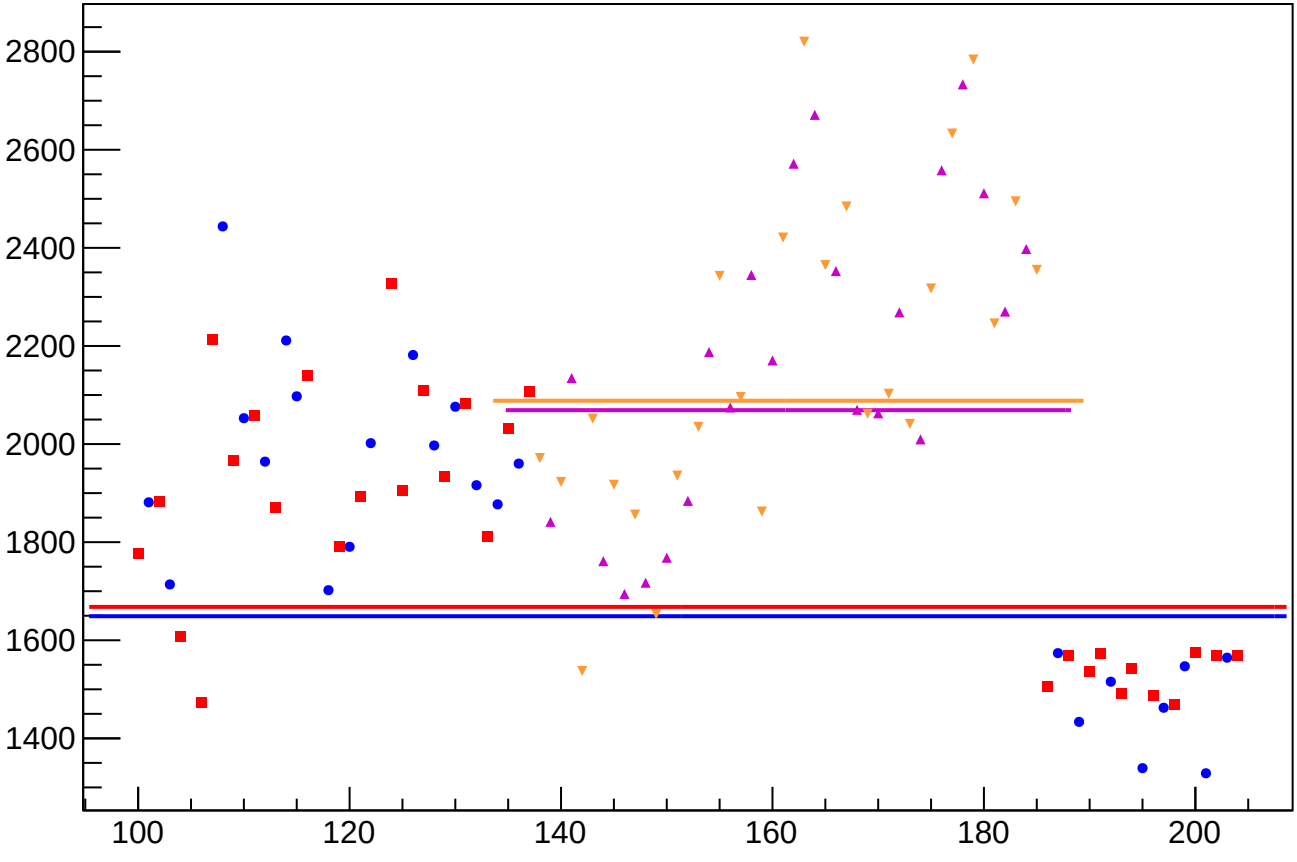
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

+ sign 21.634+/-0.333 χ^2/NDF: 4501.9/48

All: 12.378+/-0.232 χ^2/NDF: 15571.9/101

- sign 3.663+/-0.323 χ^2/NDF: 9567.3/52

diff_bpm0i01aX_rms vs Slug



Right In: 1648.997+/-0.326 χ^2/NDF: 675305.0/23

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1668.062+/-0.303 χ^2/NDF: 481742.7/29

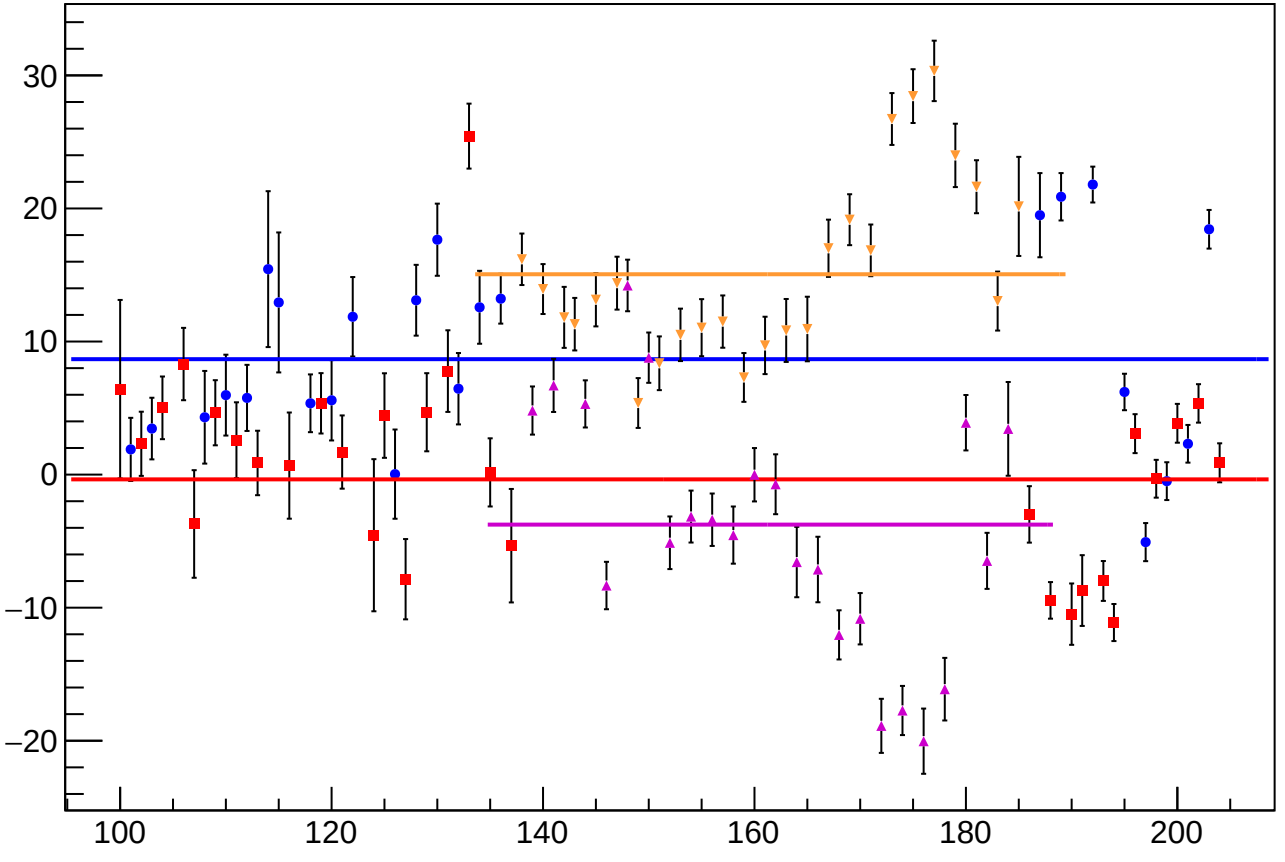
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1859.825+/-0.235 χ^2/NDF: 2333310.1/48

All: 1850.409+/-0.164 χ^2/NDF: 4287270.5/10

- sign 1841.542+/-0.228 χ^2/NDF: 1950849.6/52

diff_bpm0i01aY_mean vs Slug



Right In: 8.675+/-0.423 χ^2/NDF: 408.4/23

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -0.358+/-0.387 χ^2/NDF: 353.2/29

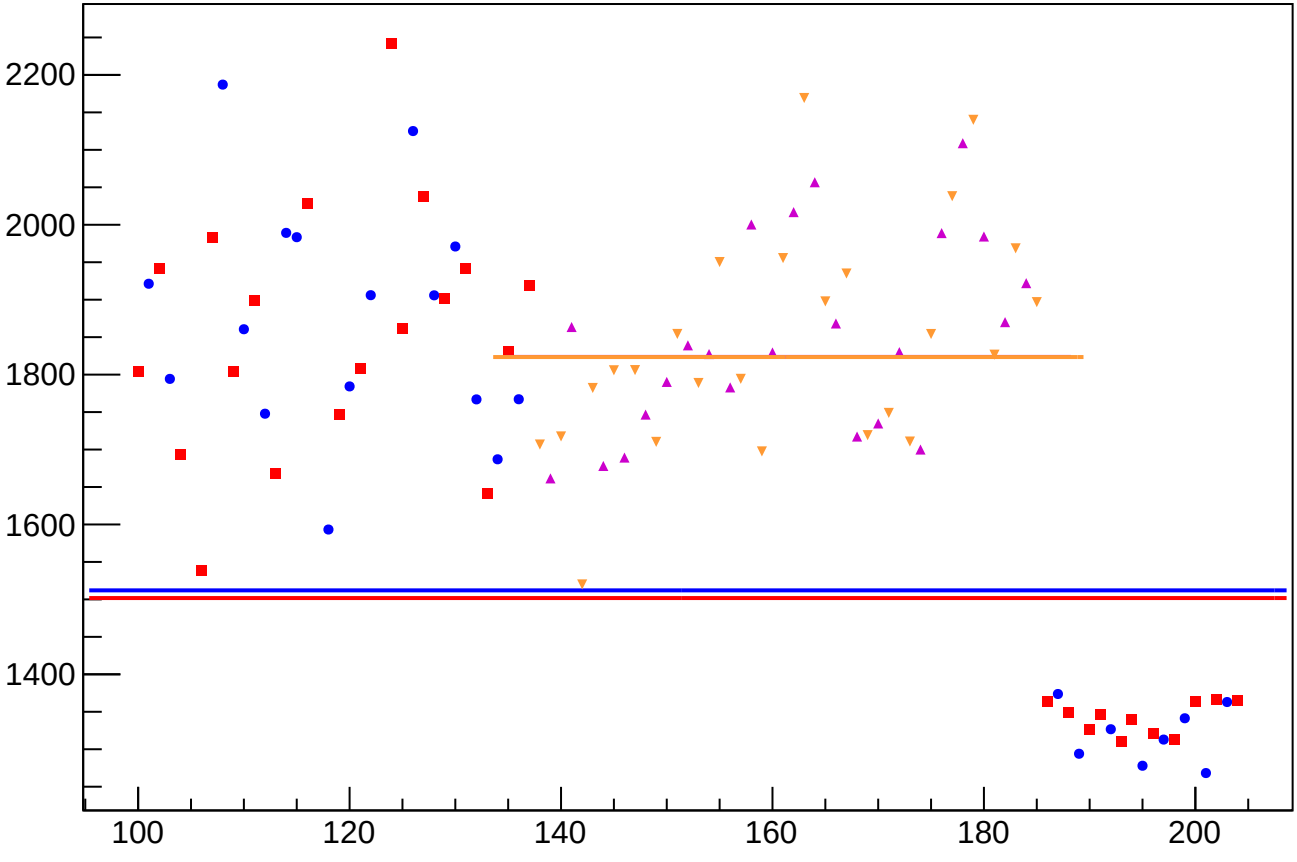
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 11.919+/-0.296 χ^2/NDF: 770.5/48

All: 4.793+/-0.206 χ^2/NDF: 2737.4/101

- sign -1.888+/-0.287 χ^2/NDF: 847.0/52

diff_bpm0i01aY_rms vs Slug



Right In: 1512.058+/-0.299 χ^2/NDF: 801276.6/23

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1501.783+/-0.274 χ^2/NDF: 763253.3/29

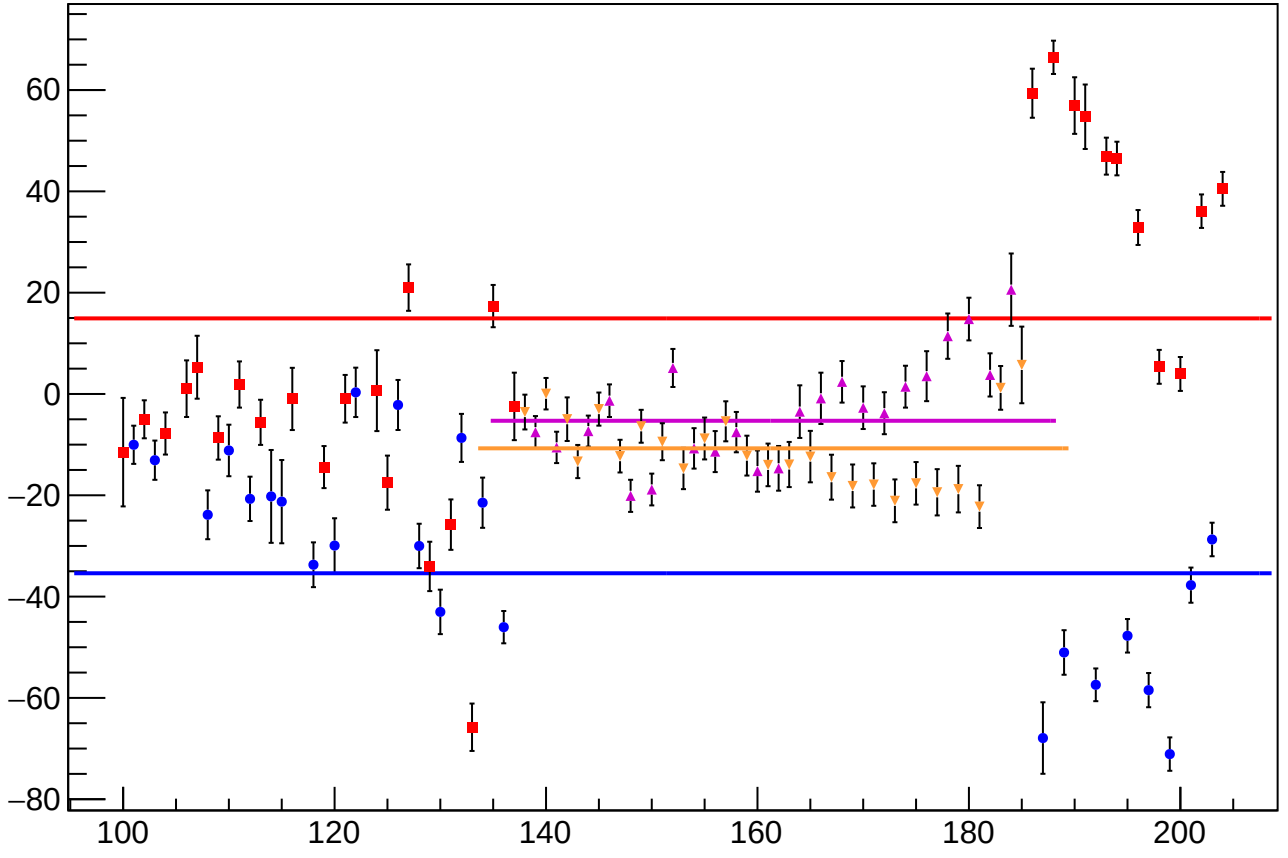
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1670.386+/-0.210 χ^2/NDF: 1564224.8/48

All: 1658.119+/-0.146 χ^2/NDF: 3120395.4/10

- sign 1646.618+/-0.203 χ^2/NDF: 1549533.4/52

diff_bpm0l01X_mean vs Slug



Right In: -35.394+/-0.855 χ^2/NDF: 542.1/23

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: 14.921+/-0.794 χ^2/NDF: 1453.9/29

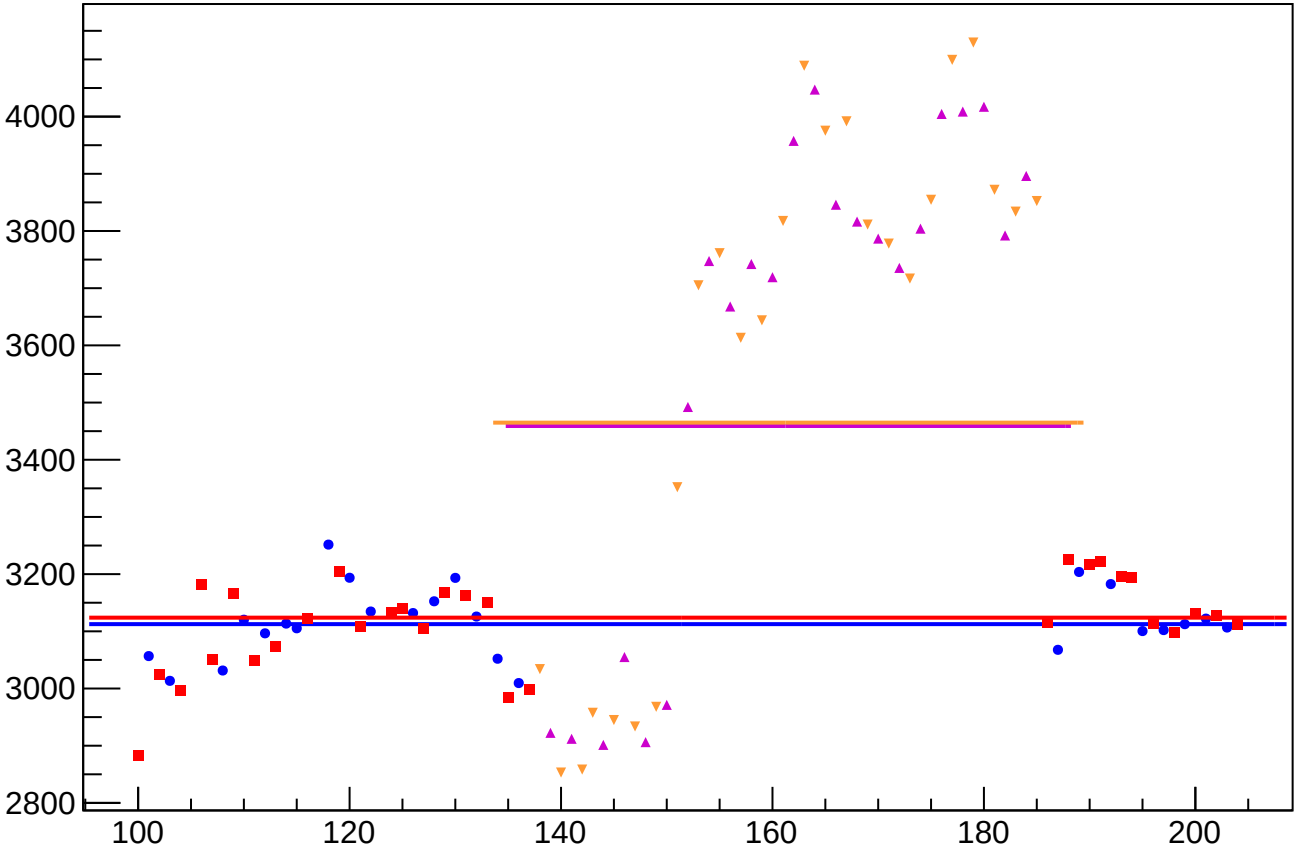
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -22.143+/-0.582 χ^2/NDF: 1062.4/48

All: -8.219+/-0.407 χ^2/NDF: 4084.8/101

- sign 5.071+/-0.568 χ^2/NDF: 1903.3/52

diff_bpm0l01X_rms vs Slug



Right In: 3112.574+/-0.605 χ^2/NDF: 10048.1/23

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3123.906+/-0.561 χ^2/NDF: 14680.4/29

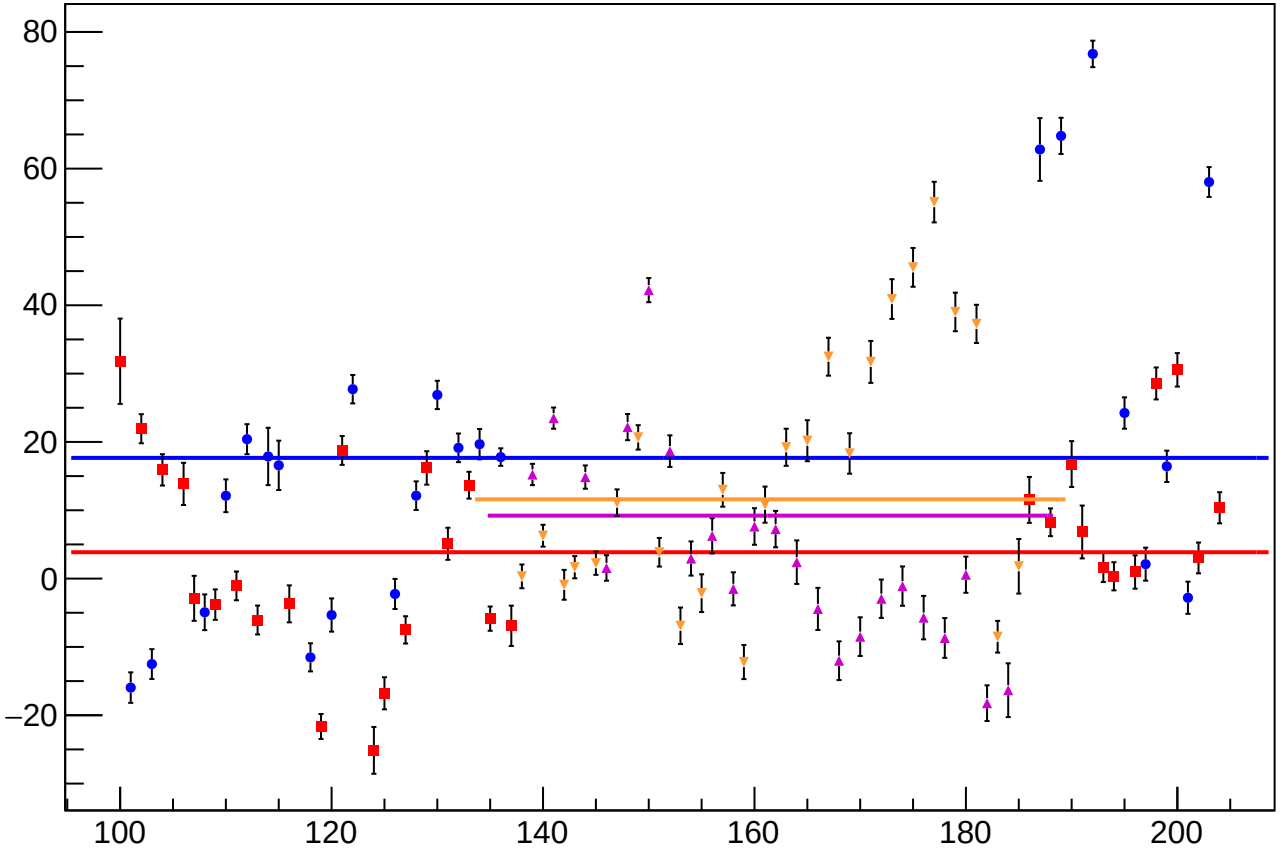
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3301.888+/-0.411 χ^2/NDF: 836368.2/48

All: 3294.395+/-0.288 χ^2/NDF: 1608676.0/10

- sign 3287.243+/-0.402 χ^2/NDF: 771659.6/52

diff_bpm0l01Y_mean vs Slug



Right In: 17.666+/-0.456 χ^2/NDF: 2736.0/23

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 3.858+/-0.432 χ^2/NDF: 971.6/29

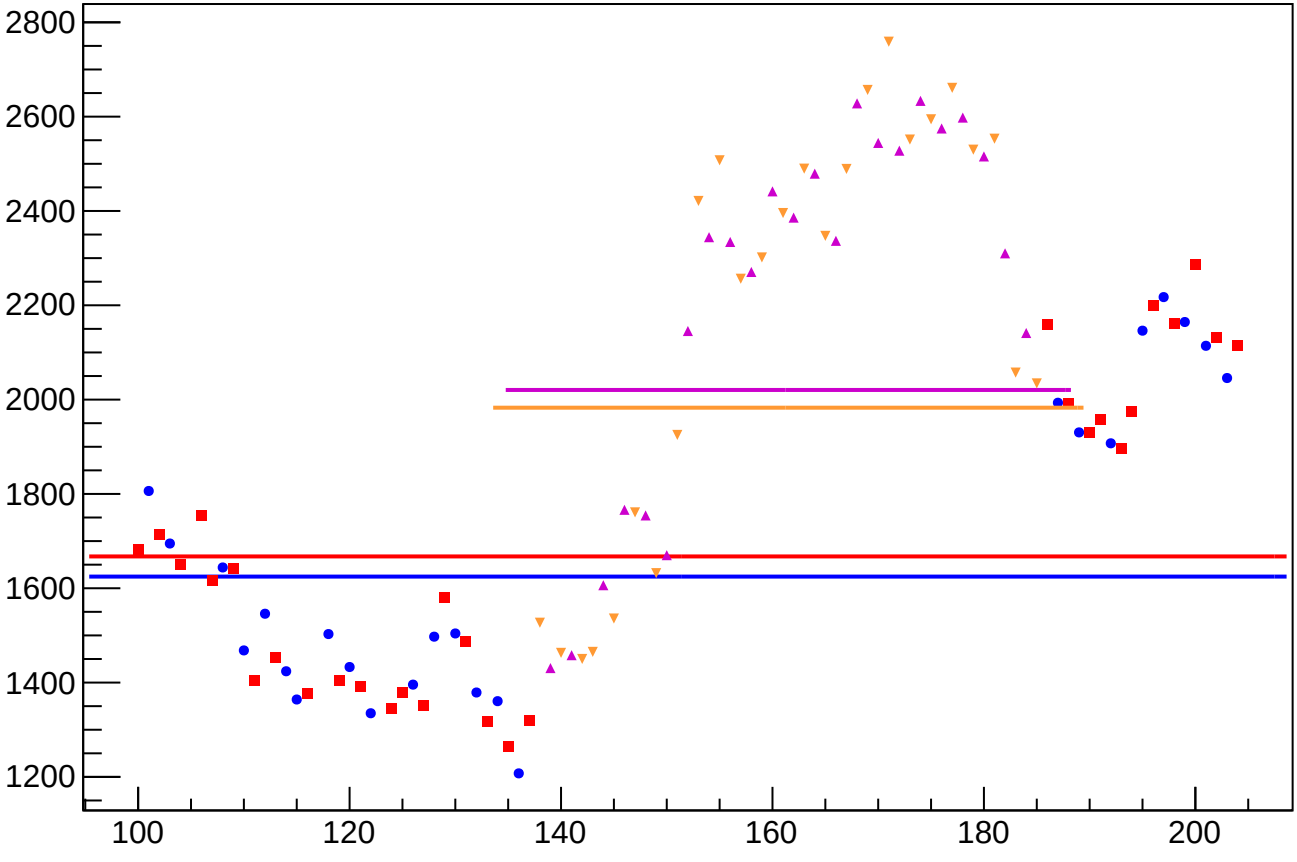
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

+ sign 14.682+/-0.325 χ^2/NDF: 4020.0/48

All: 10.425+/-0.229 χ^2/NDF: 6340.8/101

- sign 6.236+/-0.322 χ^2/NDF: 1980.3/52

diff_bpm0l01Y_rms vs Slug



Right In: 1624.748+/-0.322 χ^2/NDF: 980016.6/23

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1667.477+/-0.306 χ^2/NDF: 1119309.8/29

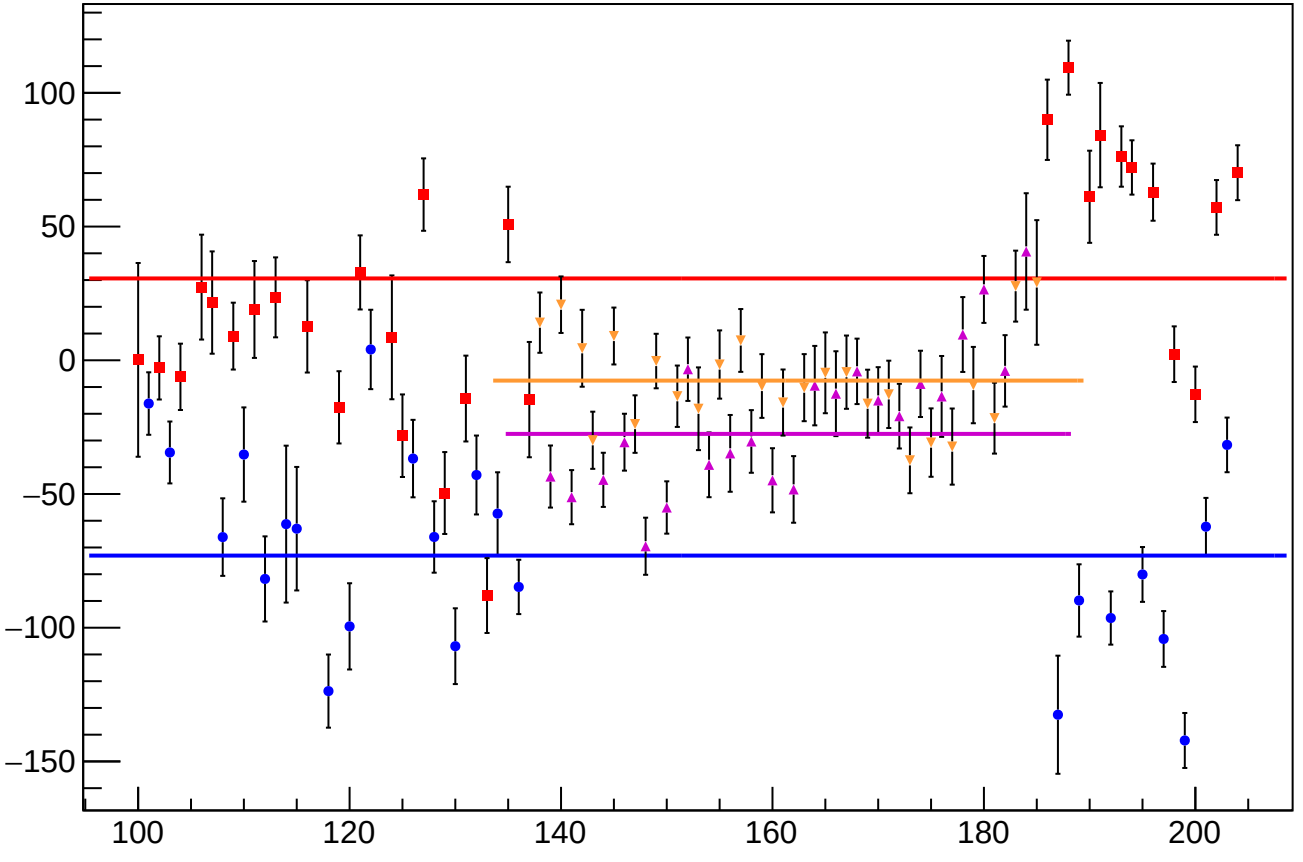
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1800.887+/-0.230 χ^2/NDF: 3564638.9/48

All: 1812.652+/-0.162 χ^2/NDF: 6895710.7/10

- sign 1824.230+/-0.228 χ^2/NDF: 3325871.3/52

diff_bpm0l02X_mean vs Slug



Right In: -73.031+/-2.660 χ^2/NDF: 188.8/23

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 30.602+/-2.471 χ^2/NDF: 345.2/29

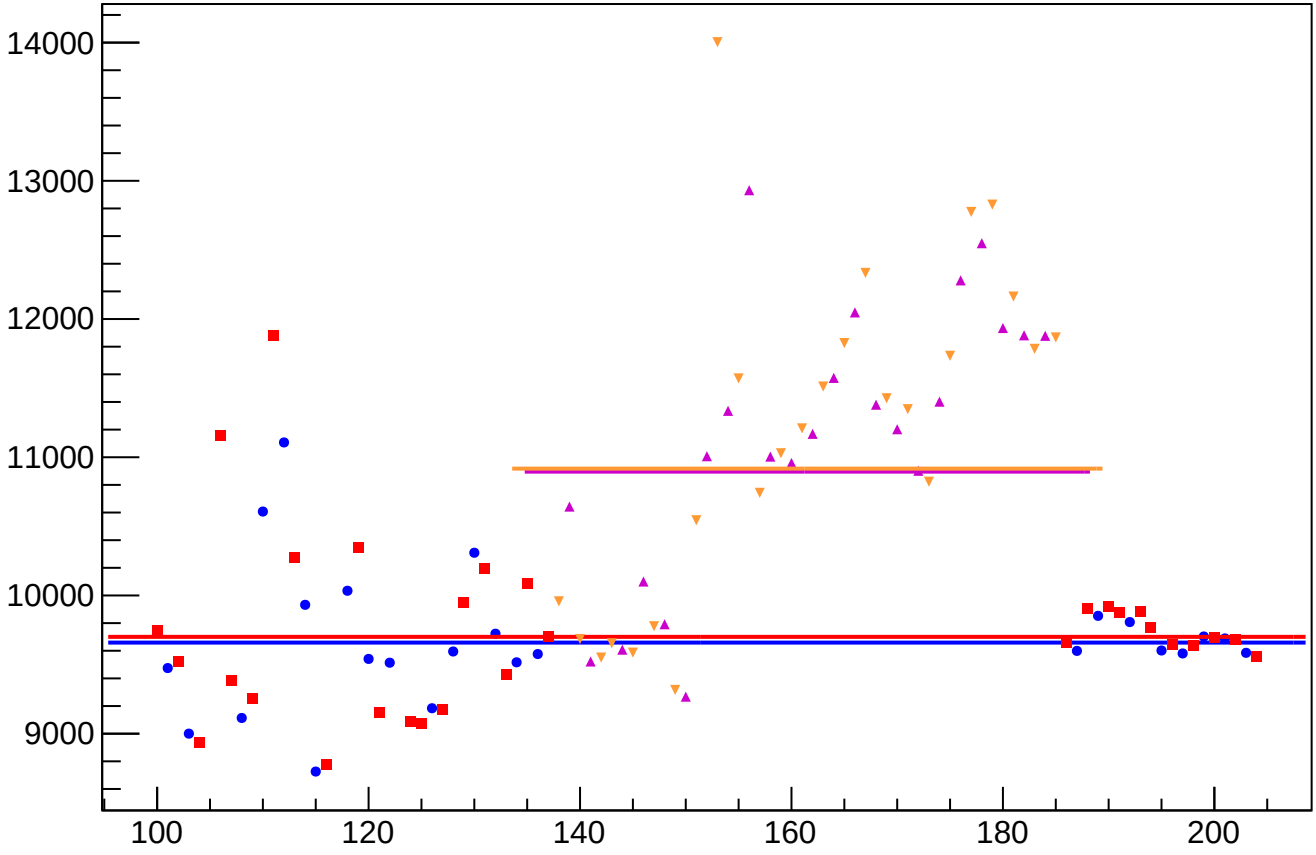
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -38.218+/-1.820 χ^2/NDF: 558.6/48

All: -17.357+/-1.271 χ^2/NDF: 1520.8/101

- sign 2.525+/-1.777 χ^2/NDF: 705.6/52

diff_bpm0l02X_rms vs Slug



Right In: 9659.074+/-1.881 χ^2/NDF: 45336.7/23

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9700.567+/-1.747 χ^2/NDF: 82501.9/29

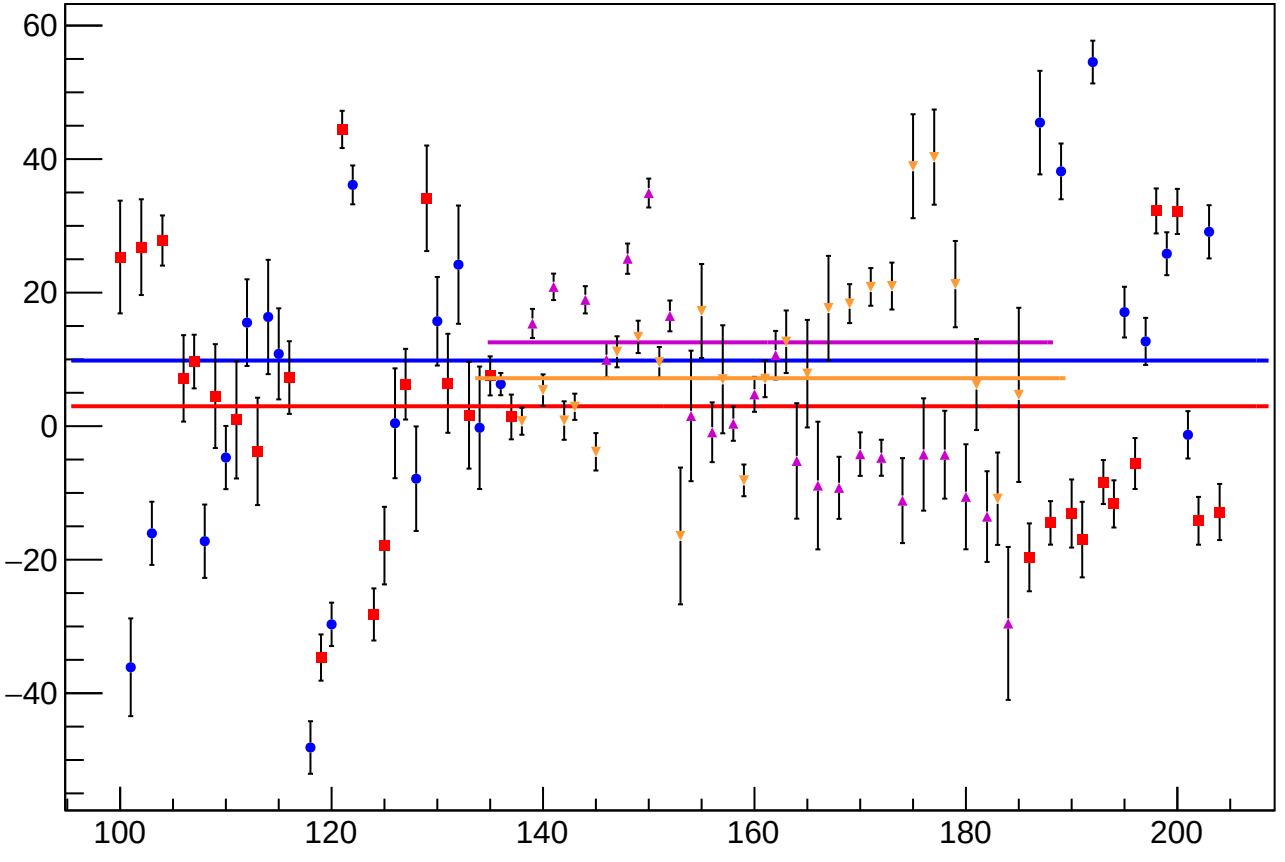
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10328.687+/-1.287 χ^2/NDF: 709358.9/48

All: 10302.711+/-0.899 χ^2/NDF: 1316807.9/1

- sign 10277.952+/-1.256 χ^2/NDF: 606653.2/52

diff_bpm0l02Y_mean vs Slug



Right In: 9.828+/-0.823 χ^2/NDF: 890.1/23

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: 2.981+/-0.785 χ^2/NDF: 793.2/29

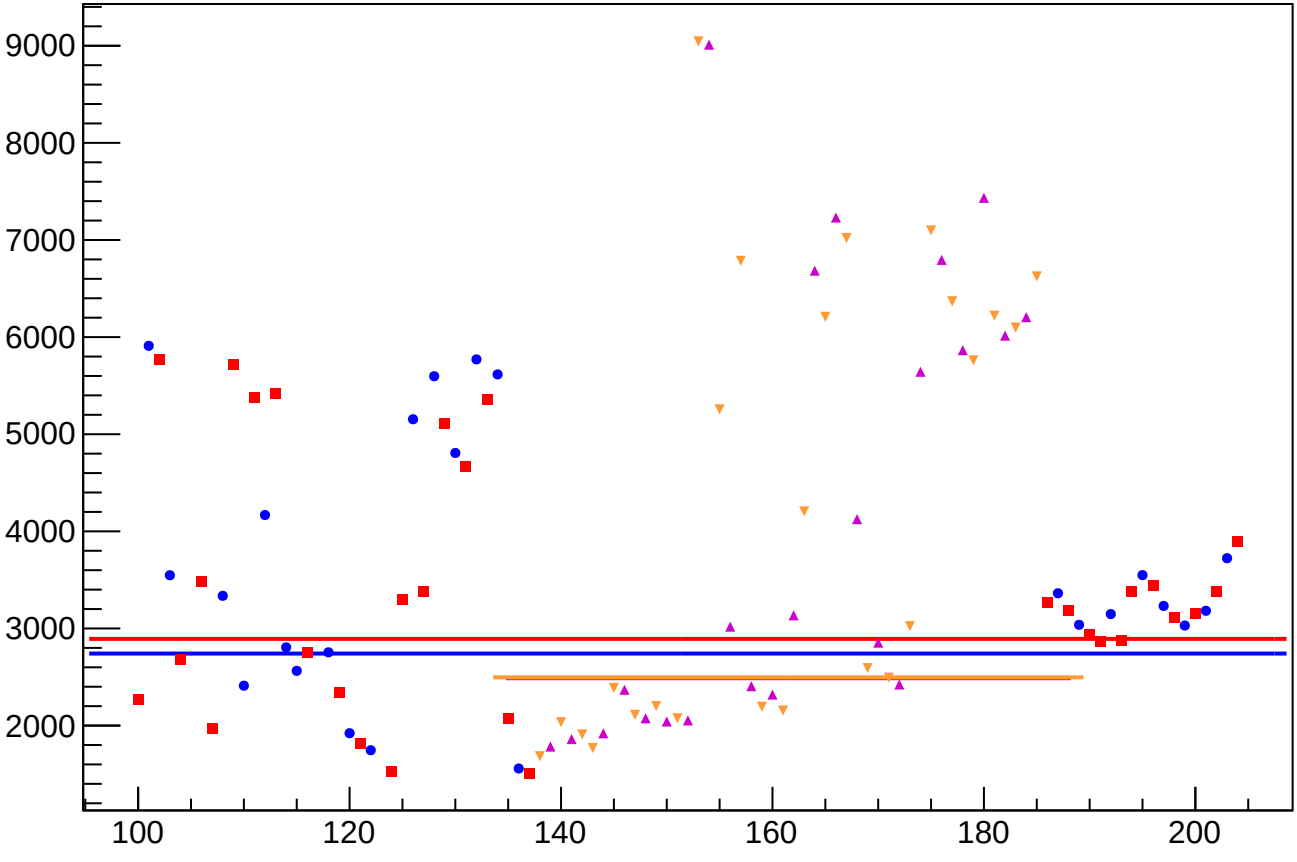
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 8.207+/-0.512 χ^2/NDF: 1098.1/48

All: 8.400+/-0.360 χ^2/NDF: 2350.7/101

- sign 8.587+/-0.506 χ^2/NDF: 1252.3/52

diff_bpm0l02Y_rms vs Slug



Right In: 2741.699+/-0.582 χ^2/NDF: 3347661.0/23

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

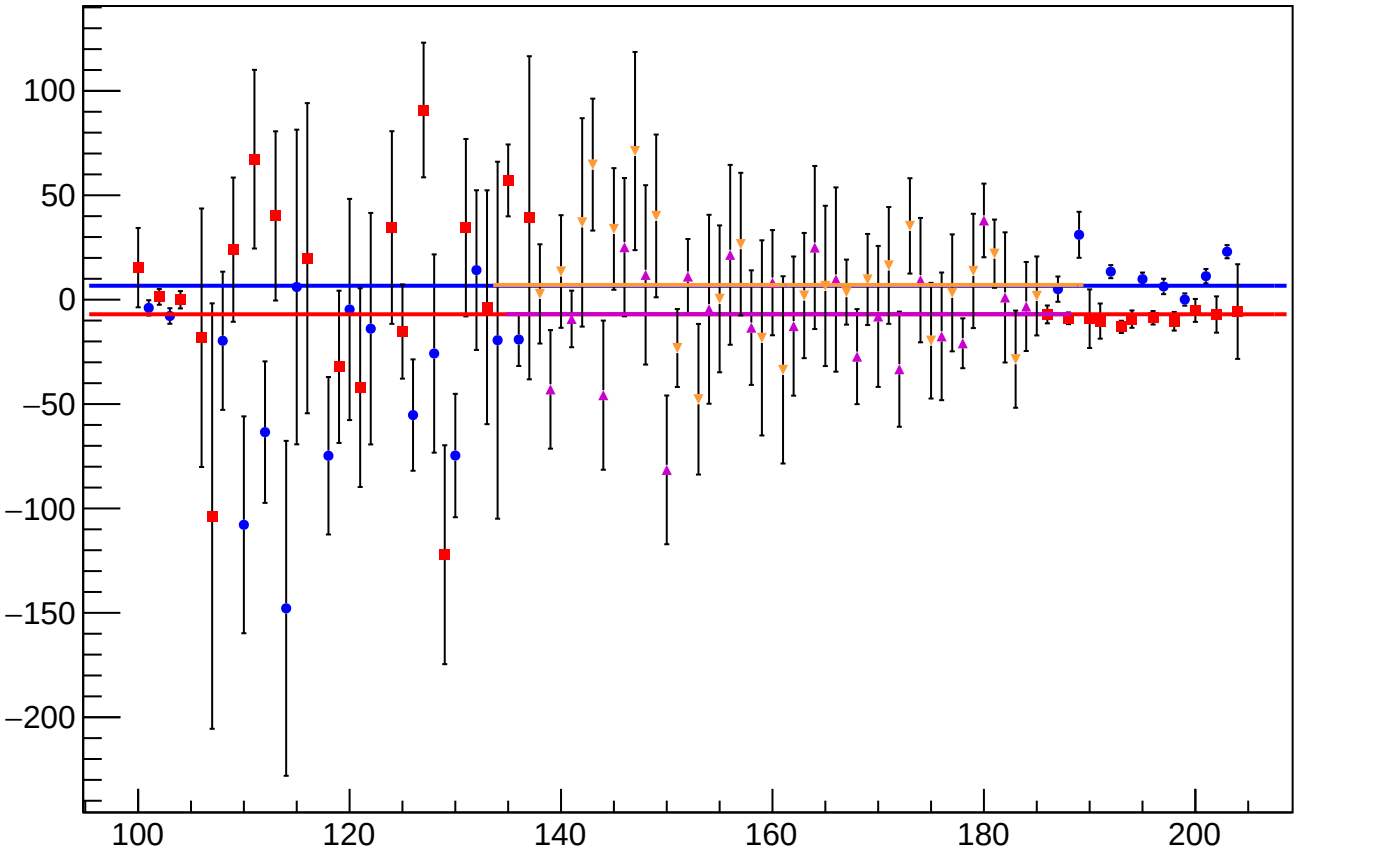
Right Out: 2892.786+/-0.555 χ^2/NDF: 2945502.4/29

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2591.492+/-0.362 χ^2/NDF: 10662048.2/48

All: 2623.917+/-0.254 χ^2/NDF: 20038473.2/1

- sign 2655.538+/-0.357 χ^2/NDF: 9360574.7/52



Right In: 6.671+/-1.138 χ^2/NDF: 103.6/23

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

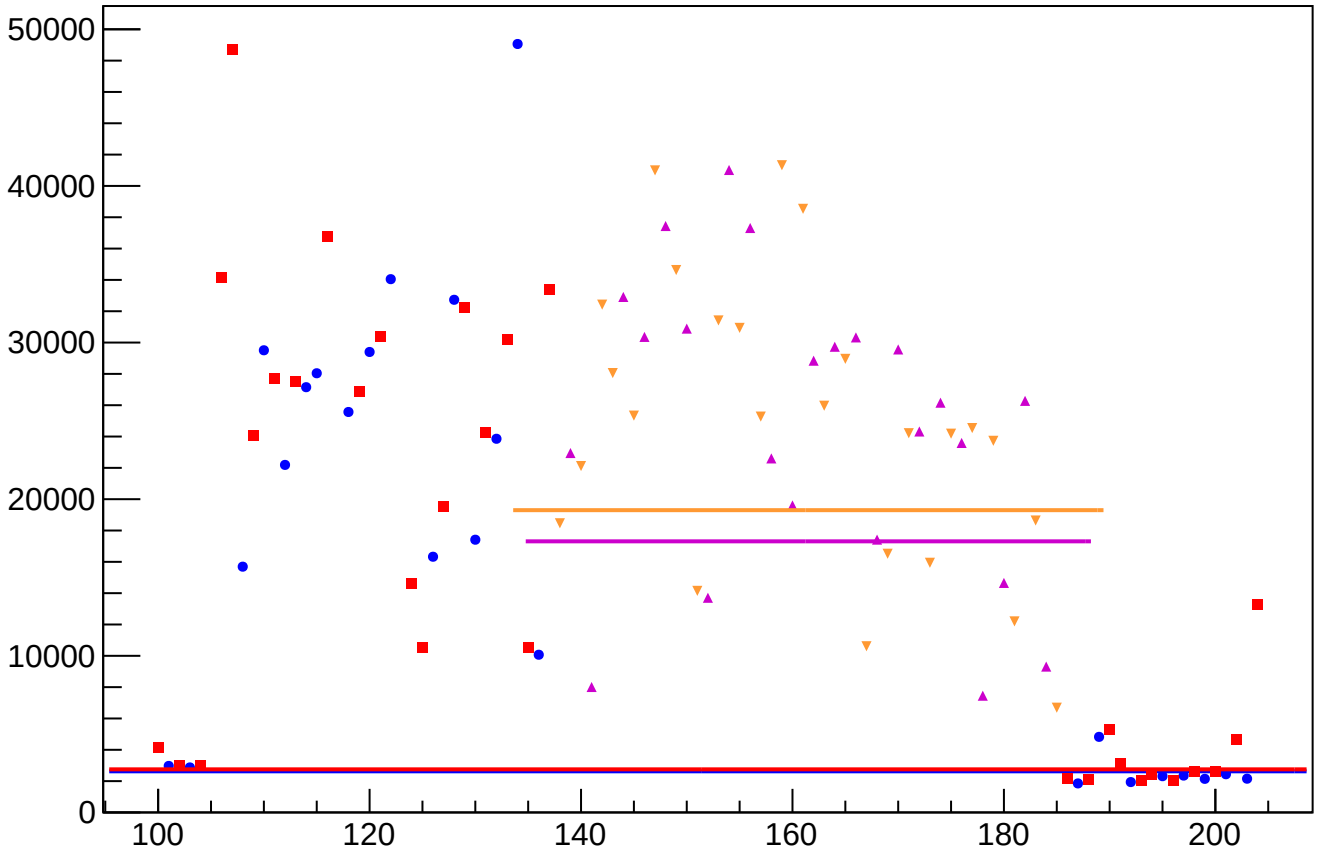
Right Out: -6.993+/-1.183 χ^2/NDF: 52.7/29

Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 6.688+/-1.112 χ^2/NDF: 123.2/48

All: 0.095+/-0.800 χ^2/NDF: 269.9/101

- sign -6.990+/-1.152 χ^2/NDF: 73.8/52



Right In: 2626.500+/-0.804 χ^2/NDF: 7919102.0/23

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2752.504+/-0.837 χ^2/NDF: 9331268.7/29

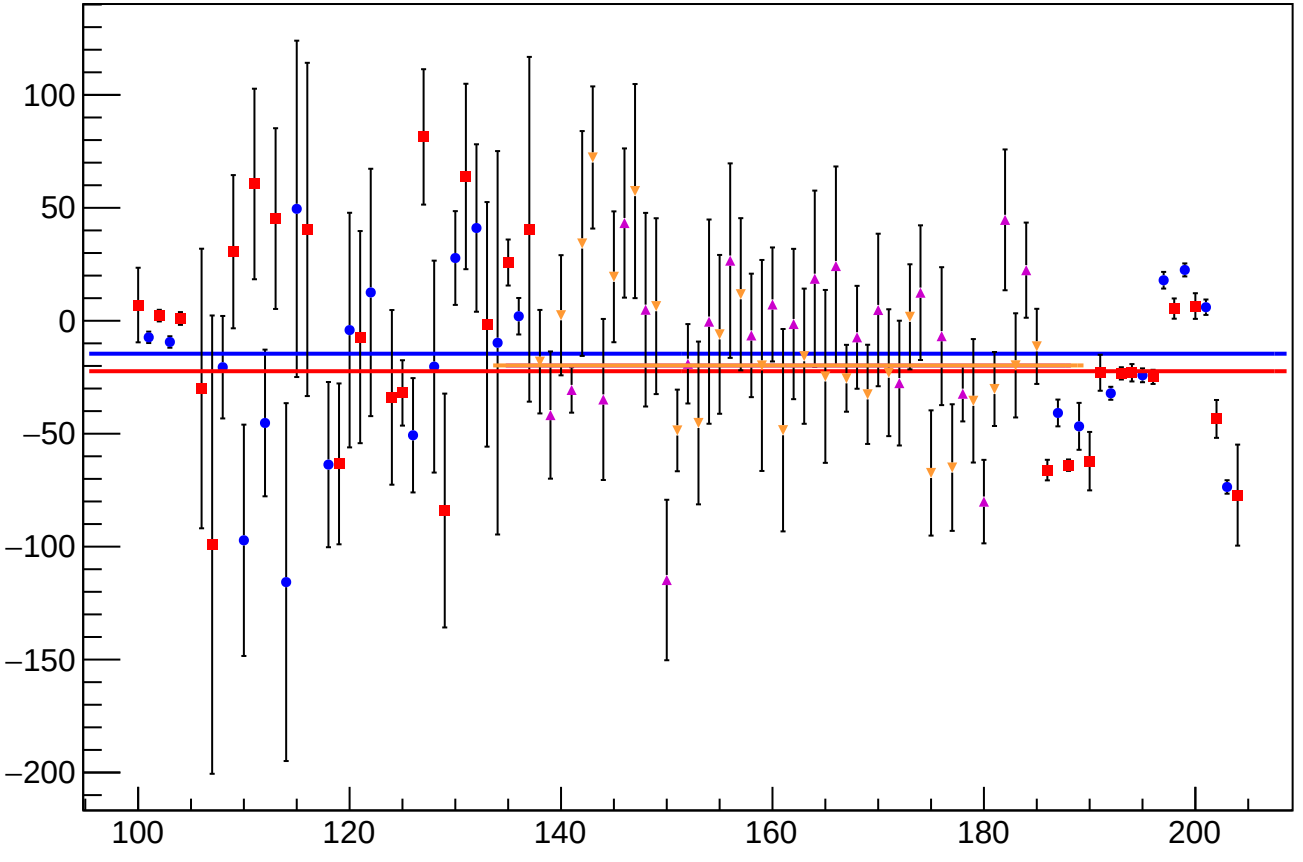
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 3380.441+/-0.786 χ^2/NDF: 32381345.5/48

All: 3437.298+/-0.566 χ^2/NDF: 63959675.9/1

- sign 3498.392+/-0.815 χ^2/NDF: 31567476.3/52

diff_bpm0l03Y_mean vs Slug



Right In: -14.581+/-1.003 χ^2/NDF: 779.3/23

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: -22.334+/-1.037 χ^2/NDF: 665.9/29

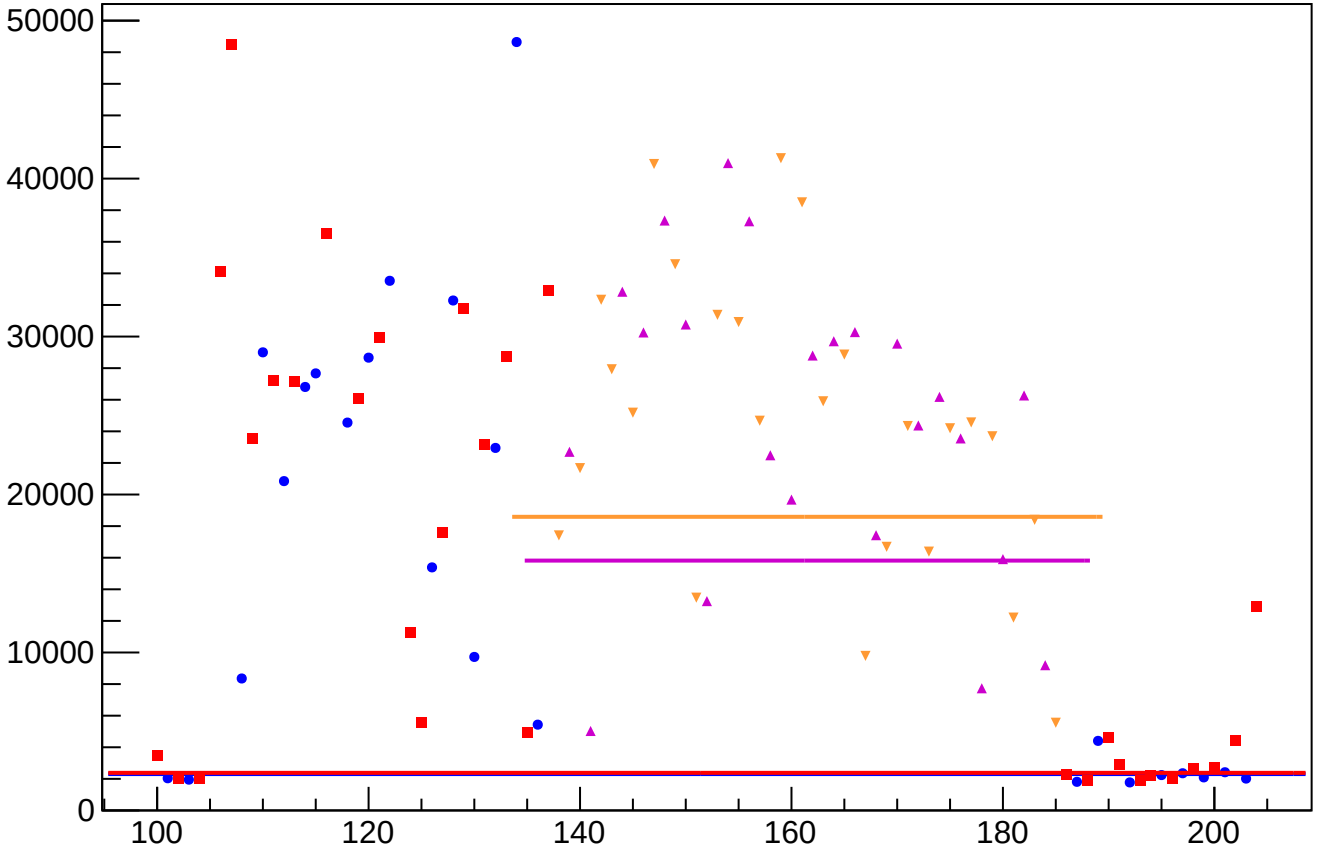
Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -14.773+/-0.984 χ^2/NDF: 808.1/48

All: -18.386+/-0.706 χ^2/NDF: 1542.3/101

- sign -22.224+/-1.014 χ^2/NDF: 706.4/52

diff_bpm0l03Y_rms vs Slug



Right In: 2303.622+/-0.709 χ^2/NDF: 7047194.6/23

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2380.691+/-0.733 χ^2/NDF: 8894225.3/29

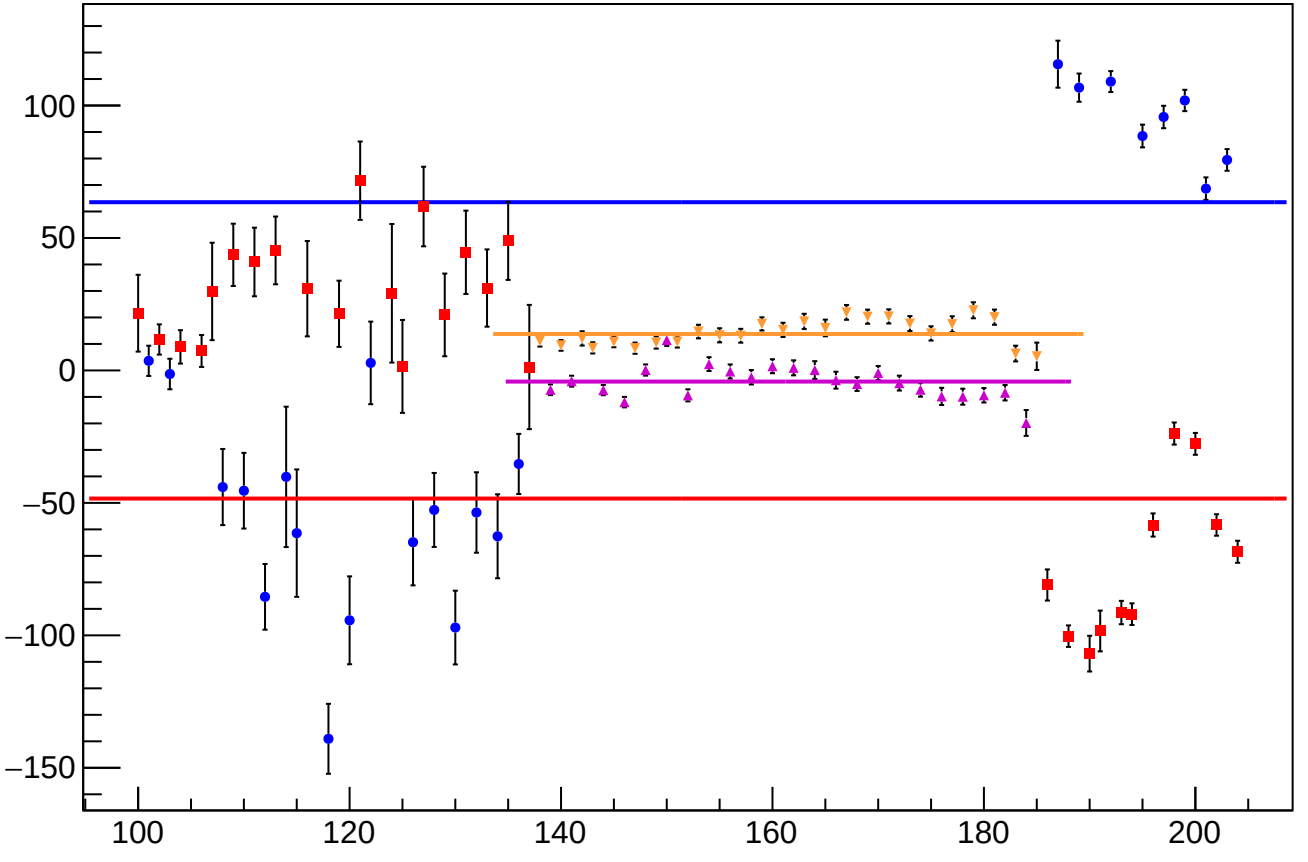
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 2905.784+/-0.696 χ^2/NDF: 32257247.4/48

All: 2936.525+/-0.499 χ^2/NDF: 64268225.6/1

- sign 2969.180+/-0.717 χ^2/NDF: 32006952.0/52

diff_bpm0l04X_mean vs Slug



Right In: 63.505+/-1.383 χ^2/NDF: 1773.1/23

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -48.362+/-1.213 χ^2/NDF: 1417.5/29

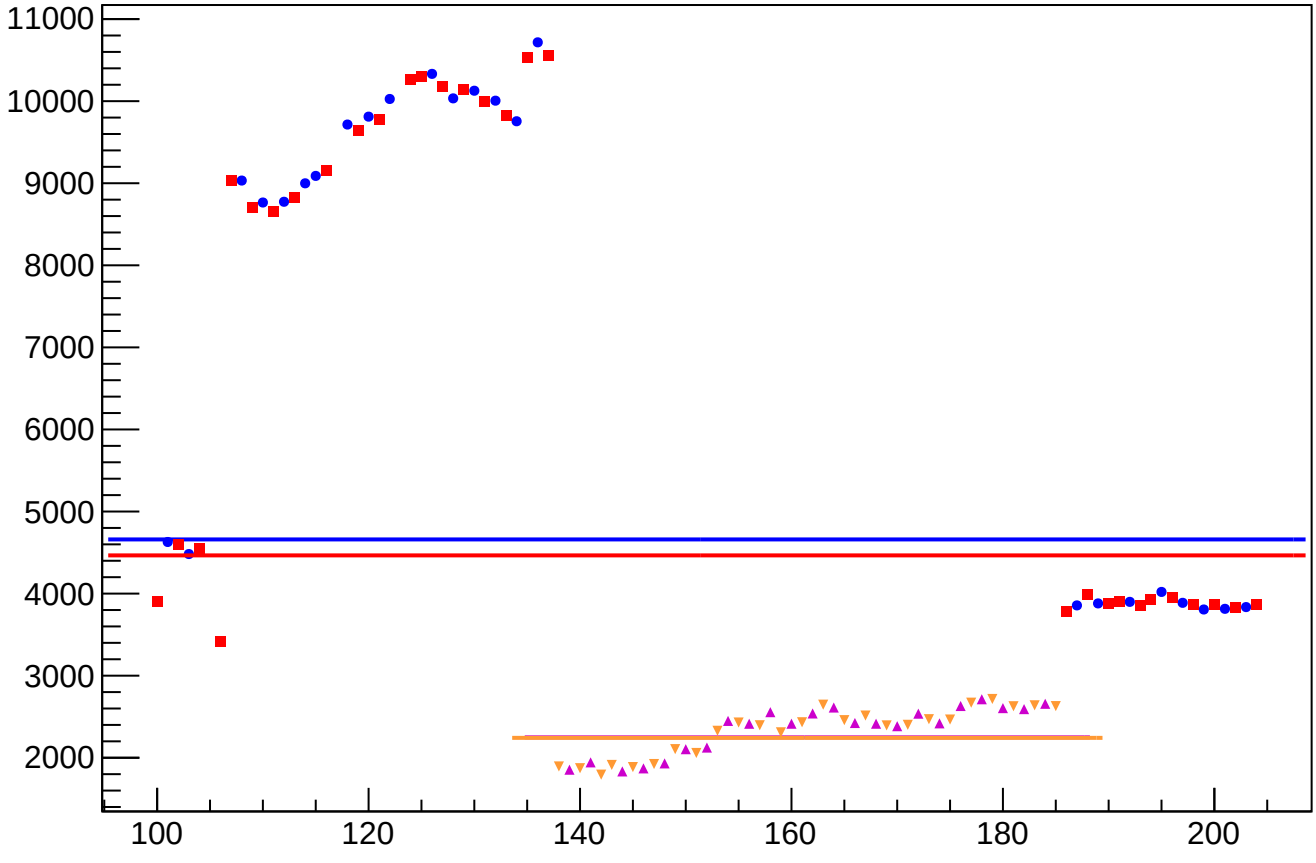
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 19.797+/-0.482 χ^2/NDF: 2986.8/48

All: 4.380+/-0.342 χ^2/NDF: 7705.7/101

- sign -11.286+/-0.486 χ^2/NDF: 2654.7/52

diff_bpm0l04X_rms vs Slug



Right In: 4660.089+/-0.978 χ^2/NDF: 3782532.0/23

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4465.609+/-0.858 χ^2/NDF: 3847705.6/29

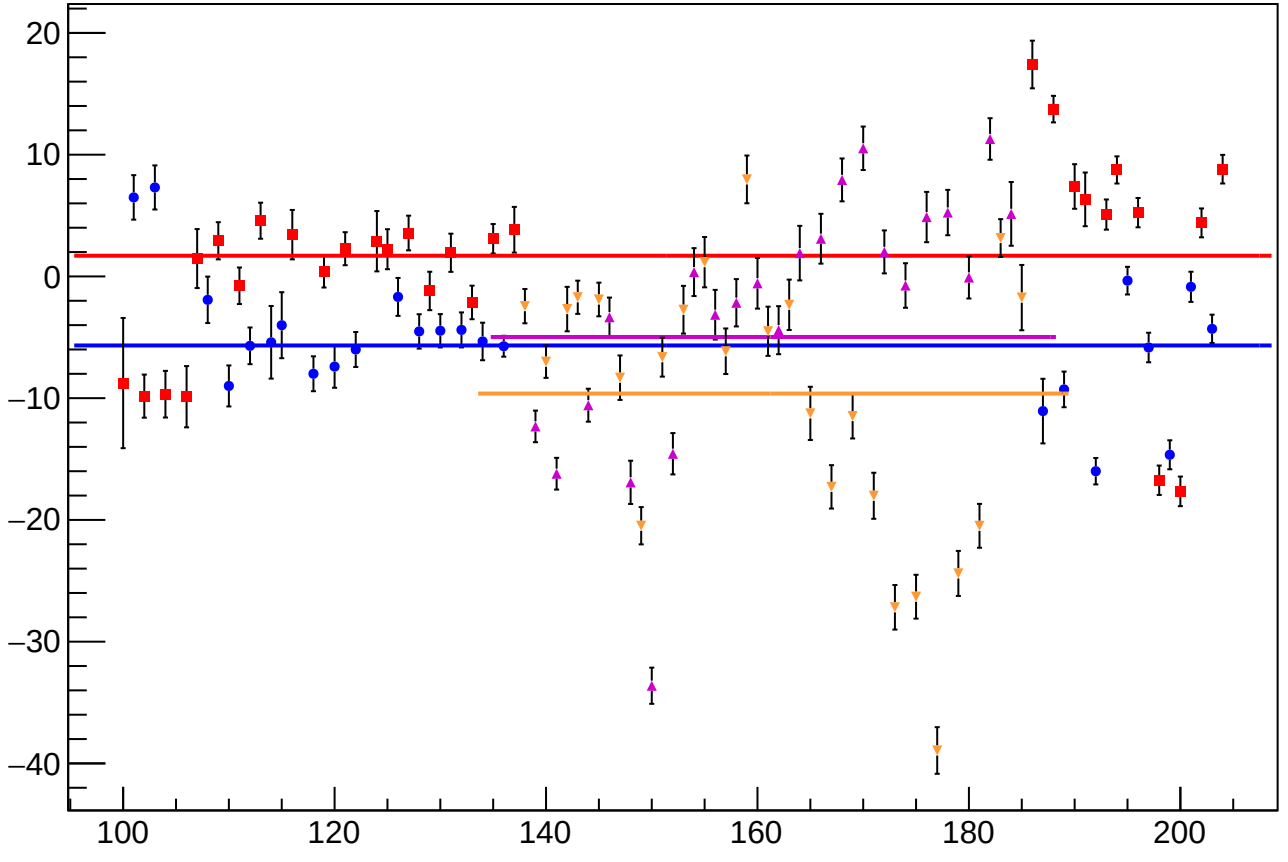
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2535.704+/-0.341 χ^2/NDF: 9809767.5/48

All: 2569.682+/-0.242 χ^2/NDF: 19932028.2/1

- sign 2604.210+/-0.343 χ^2/NDF: 10102206.8/52

diff_bpm0l04Y_mean vs Slug



Right In: -5.671+/-0.289 χ^2/NDF: 312.4/23

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: 1.699+/-0.272 χ^2/NDF: 912.5/29

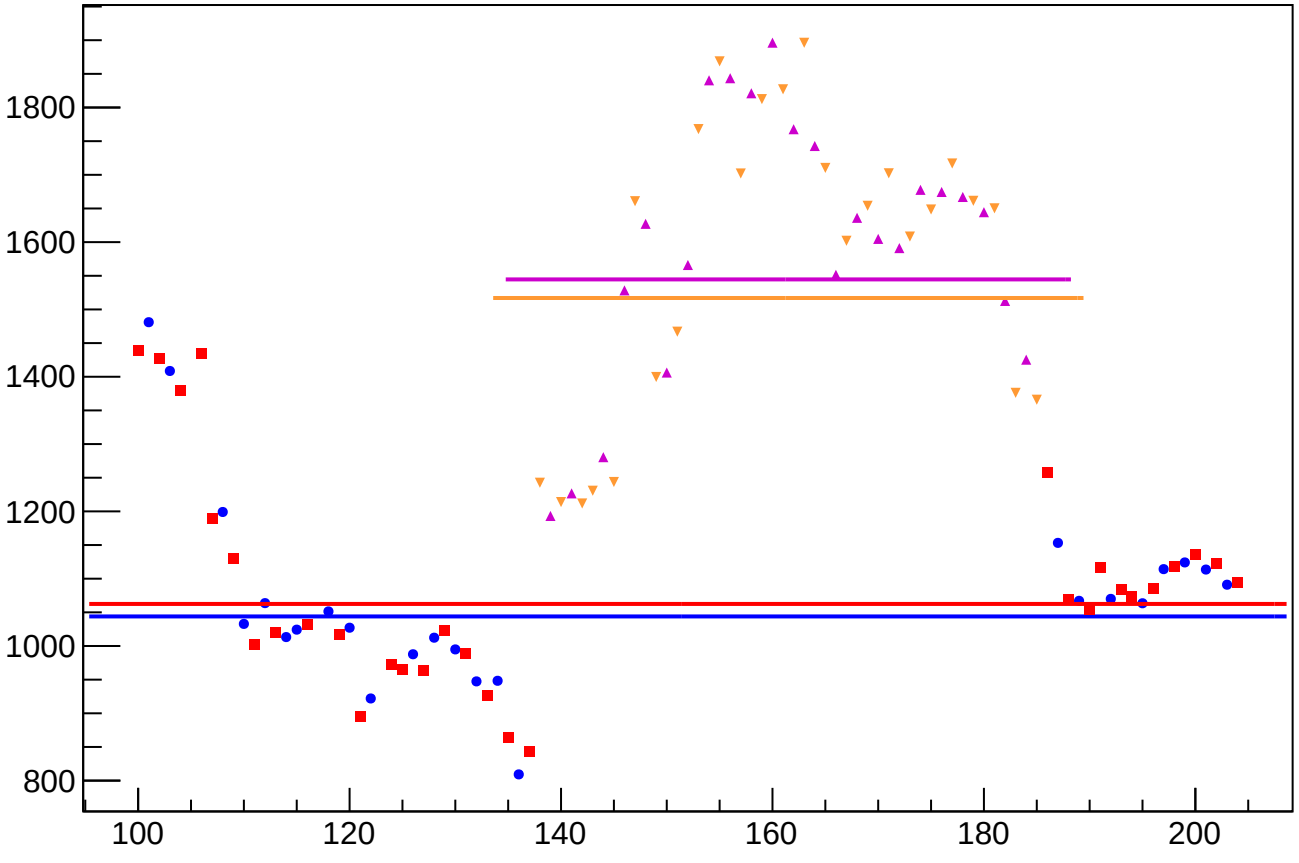
Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

\+ sign -7.280+/-0.223 χ^2/NDF: 1322.6/48

All: -3.911+/-0.156 χ^2/NDF: 3827.7/101

\- sign -0.686+/-0.218 χ^2/NDF: 2057.5/52

diff_bpm0l04Y_rms vs Slug



Right In: 1043.914+/-0.205 χ^2/NDF: 427657.8/23

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1062.479+/-0.192 χ^2/NDF: 406111.3/29

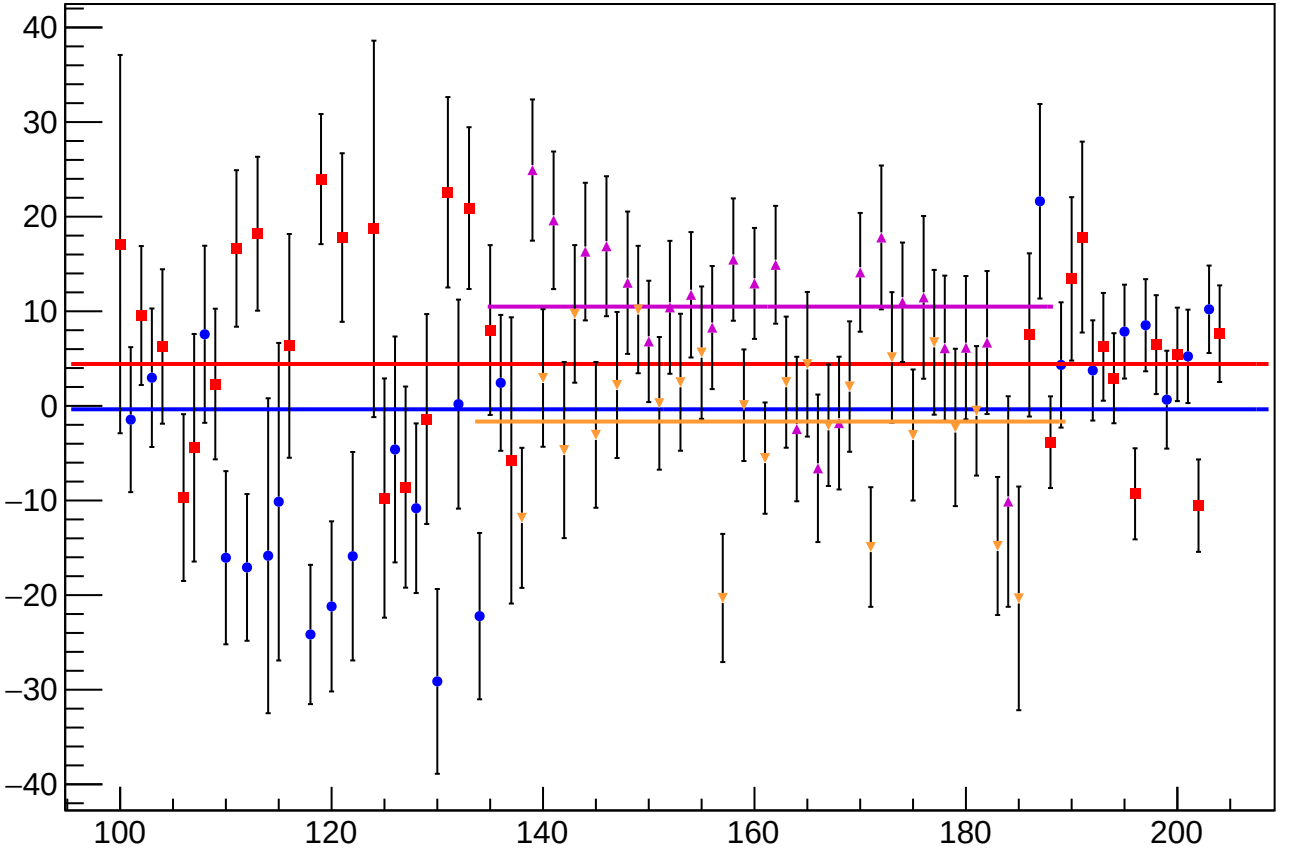
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1236.582+/-0.158 χ^2/NDF: 3437790.2/48

All: 1235.677+/-0.110 χ^2/NDF: 6729774.4/10

- sign 1234.810+/-0.154 χ^2/NDF: 3291919.6/52

diff_bpm0l05X_mean vs Slug



Right In: -0.360+/-1.461 χ^2/NDF: 62.3/23

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

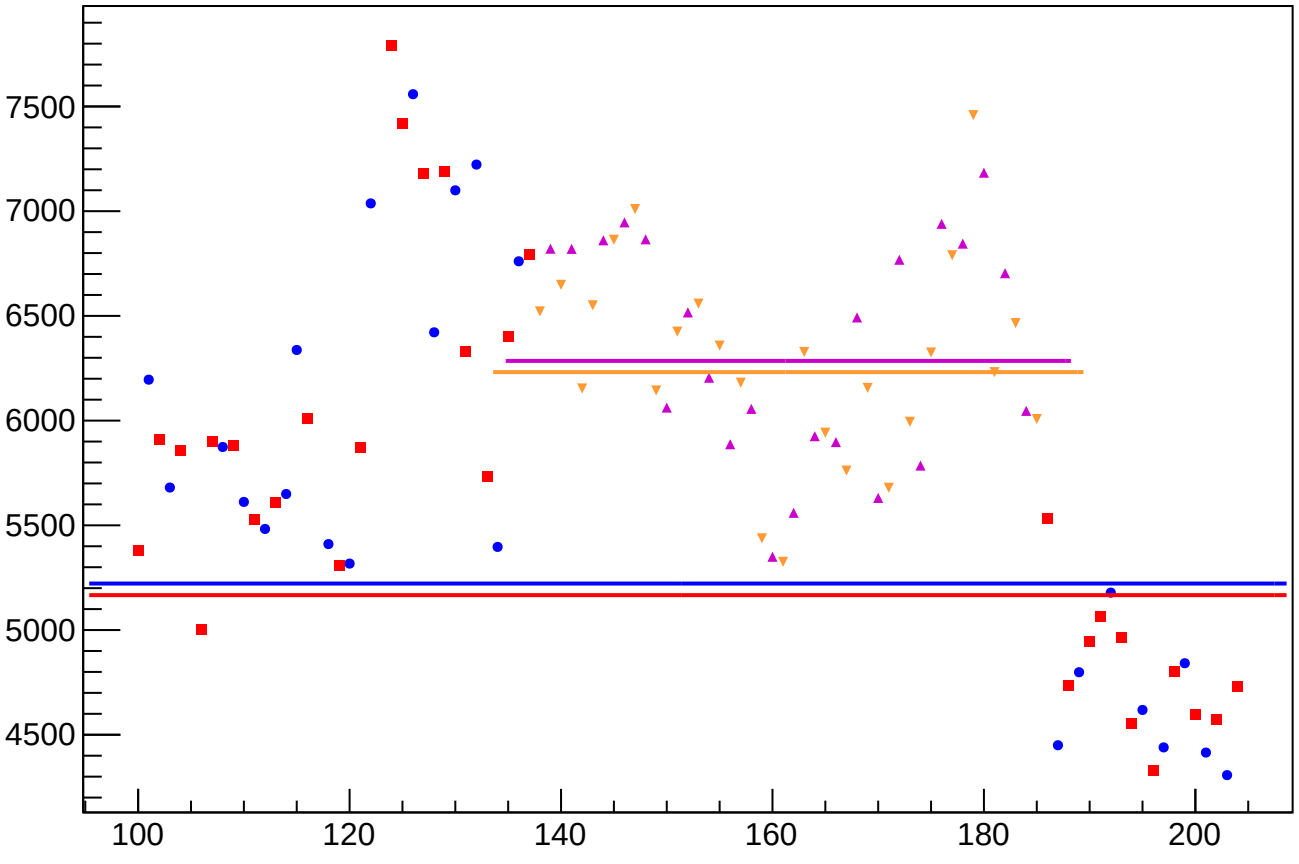
Right Out: 4.430+/-1.332 χ^2/NDF: 54.8/29

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -1.024+/-1.021 χ^2/NDF: 94.2/48

All: 3.185+/-0.711 χ^2/NDF: 216.2/101

- sign 7.144+/-0.990 χ^2/NDF: 89.0/52



Right In: 5222.028+/-1.033 χ^2/NDF: 709640.7/23

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5166.641+/-0.942 χ^2/NDF: 623439.7/29

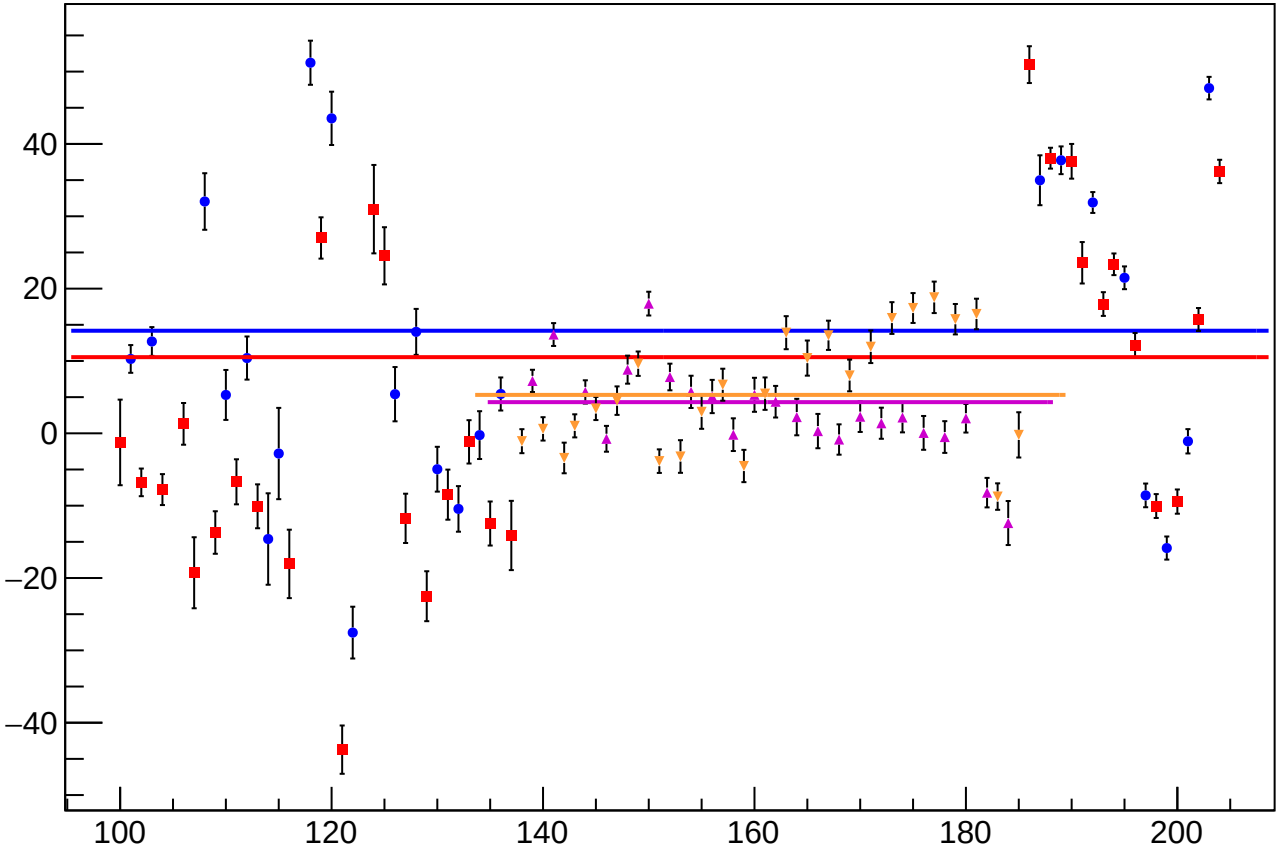
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5739.056+/-0.722 χ^2/NDF: 1425431.1/48

All: 5702.086+/-0.503 χ^2/NDF: 2950417.4/10

- sign 5667.304+/-0.700 χ^2/NDF: 1519894.0/52

diff_bpm0l05Y_mean vs Slug



Right In: 14.181+/-0.470 χ^2/NDF: 2000.5/23

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

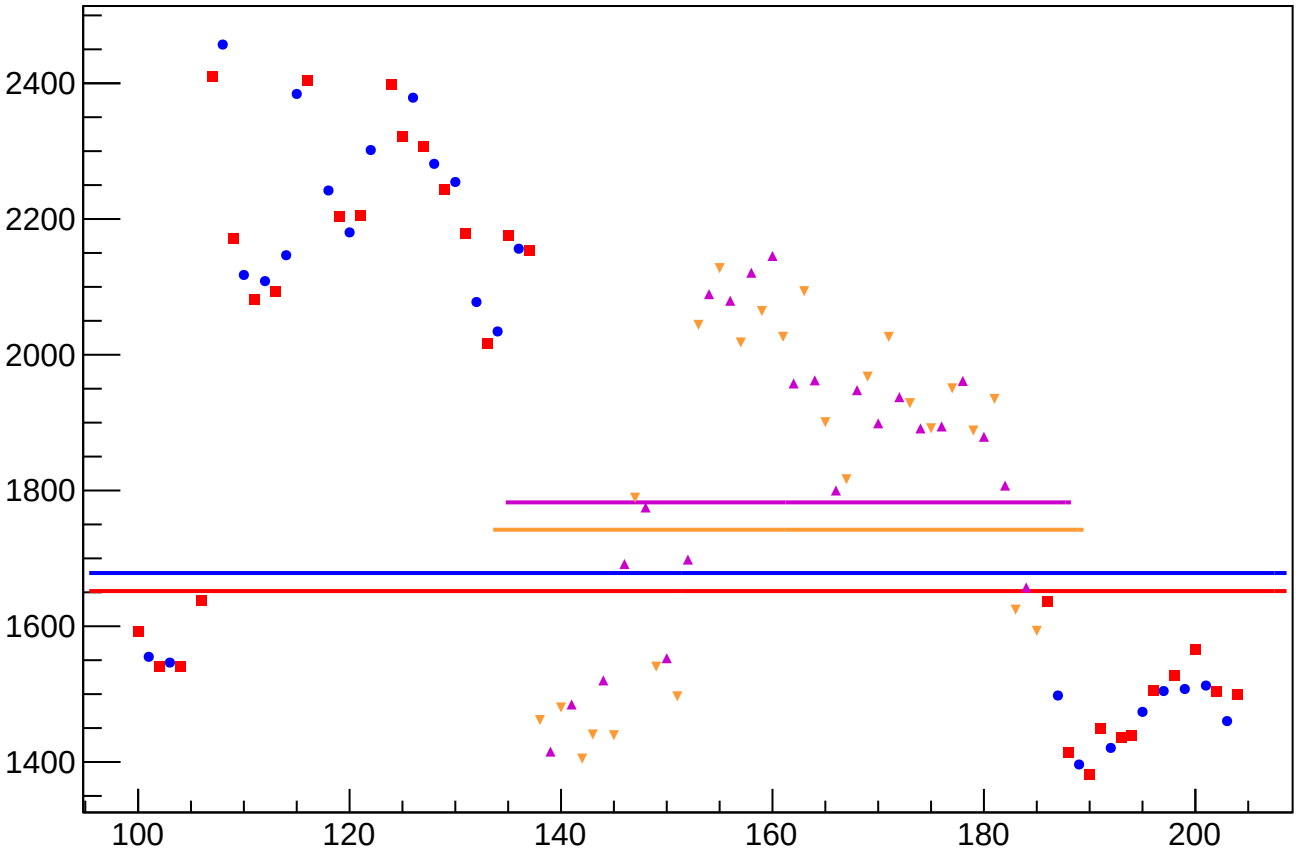
Right Out: 10.529+/-0.427 χ^2/NDF: 2392.4/29

Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

+ sign 9.041+/-0.305 χ^2/NDF: 2584.9/48

All: 8.190+/-0.214 χ^2/NDF: 5320.7/101

- sign 7.369+/-0.299 χ^2/NDF: 2720.6/52



Right In: 1678.419+/-0.332 χ^2/NDF: 976809.0/23

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1651.852+/-0.302 χ^2/NDF: 992682.4/29

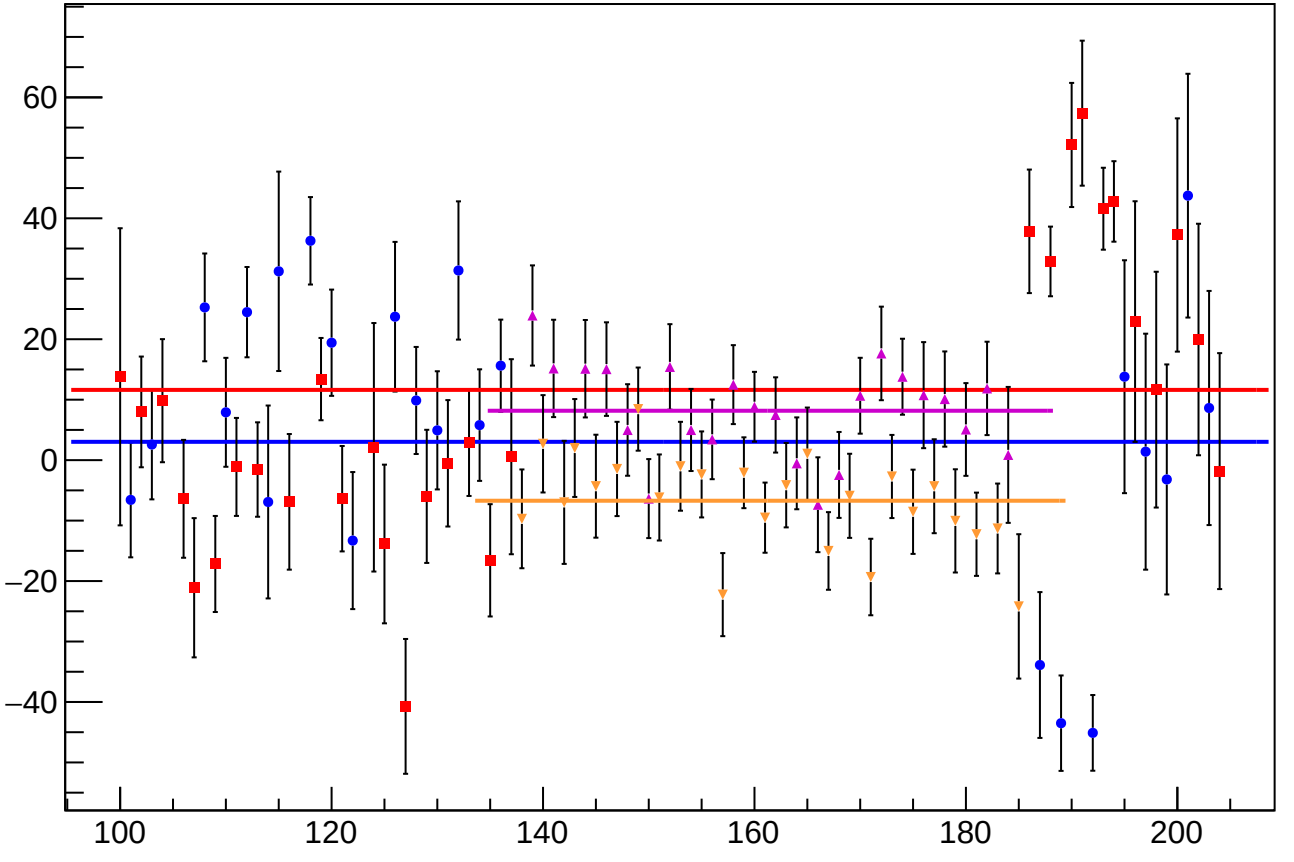
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1715.393+/-0.216 χ^2/NDF: 1765826.9/48

All: 1716.839+/-0.151 χ^2/NDF: 3388134.7/10

- sign 1718.234+/-0.212 χ^2/NDF: 1622219.4/52

diff_bpm0l06X_mean vs Slug



Right In: 3.030+/-2.035 χ^2/NDF: 166.0/23

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: 11.620+/-1.804 χ^2/NDF: 172.4/29

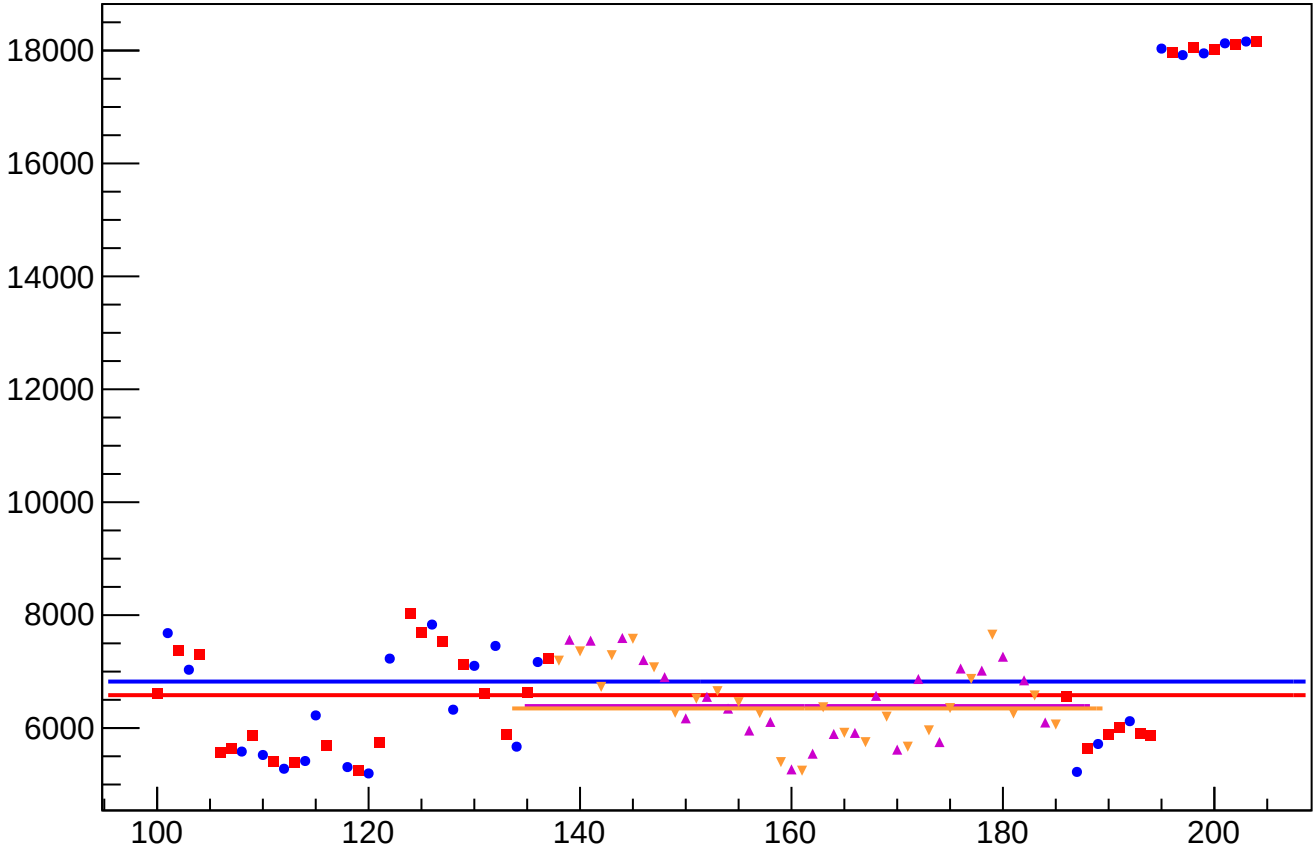
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -3.408+/-1.185 χ^2/NDF: 206.9/48

All: 3.241+/-0.828 χ^2/NDF: 467.1/101

- sign 9.591+/-1.158 χ^2/NDF: 198.7/52

diff_bpm0l06X_rms vs Slug



Right In: 6823.463+/-1.439 χ^2/NDF: 3845128.6/23

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6582.489+/-1.276 χ^2/NDF: 3924251.7/29

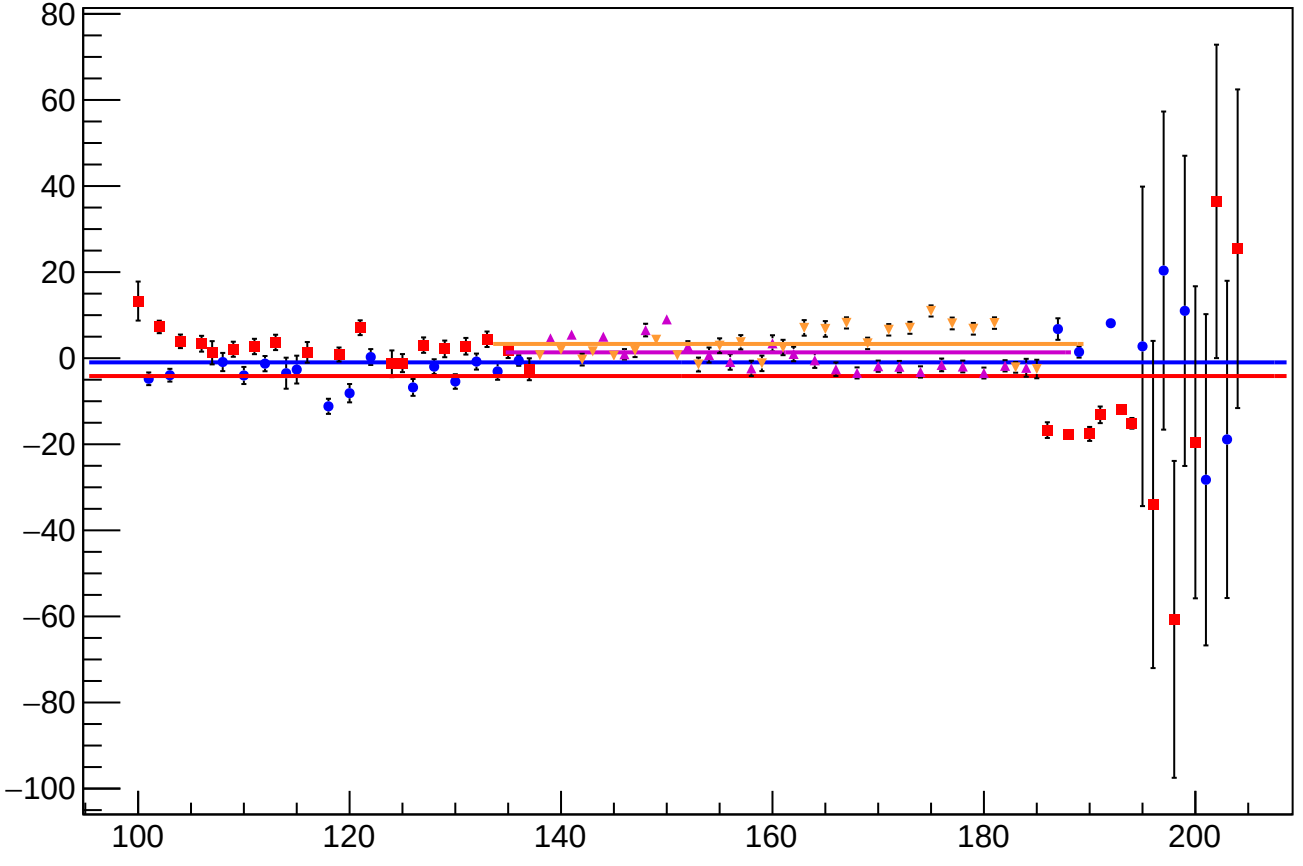
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6508.810+/-0.838 χ^2/NDF: 4303541.5/48

All: 6488.415+/-0.586 χ^2/NDF: 8662173.9/10

- sign 6468.939+/-0.819 χ^2/NDF: 4357474.1/52

diff_bpm0l06Y_mean vs Slug



Right In: -0.970+/-0.386 χ^2/NDF: 180.1/23

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -4.148+/-0.342 χ^2/NDF: 749.4/29

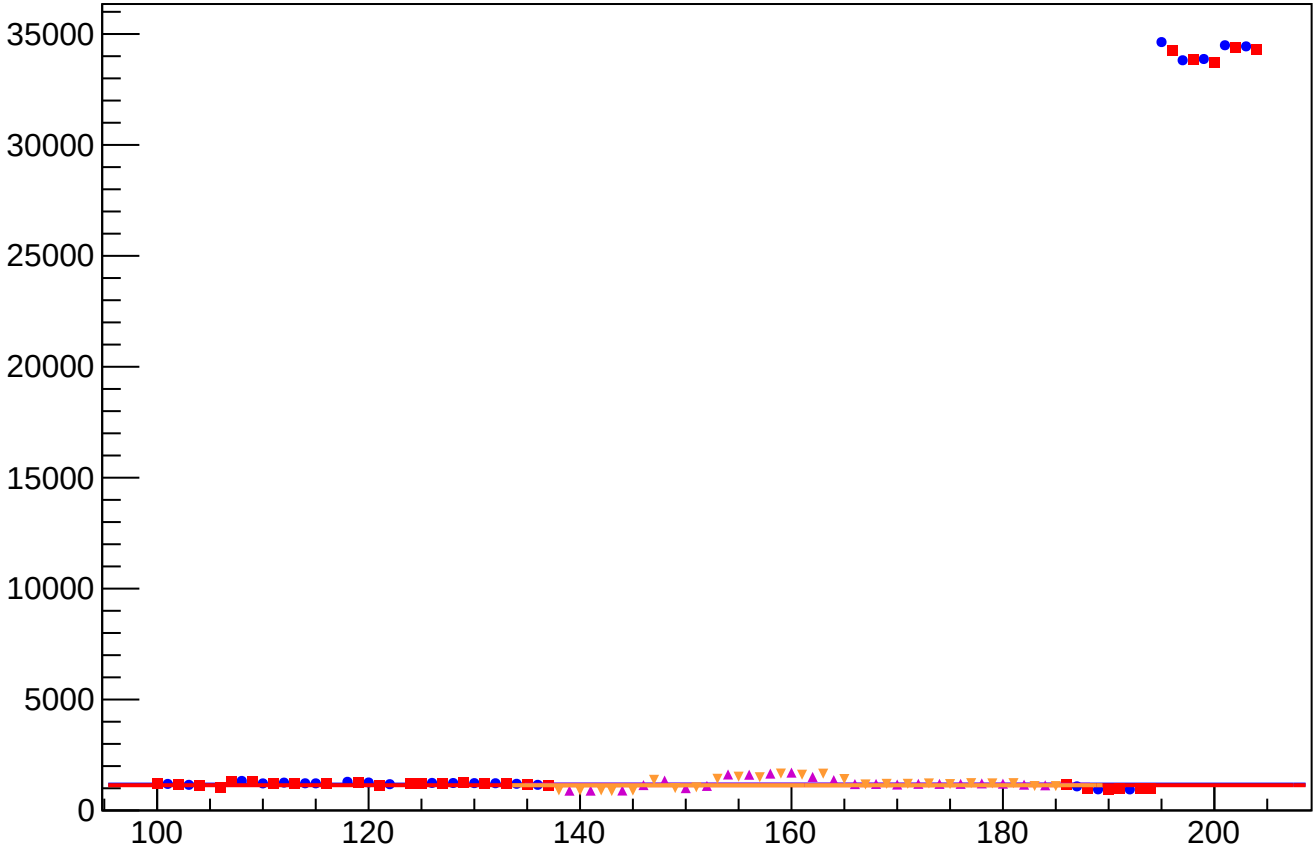
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.943+/-0.218 χ^2/NDF: 441.7/48

All: 0.541+/-0.153 χ^2/NDF: 1625.4/101

- sign -0.822+/-0.215 χ^2/NDF: 1102.2/52

diff_bpm0l06Y_rms vs Slug



Right In: 1165.669+/-0.273 χ^2/NDF: 8169492.0/23

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1137.414+/-0.242 χ^2/NDF: 8207848.1/29

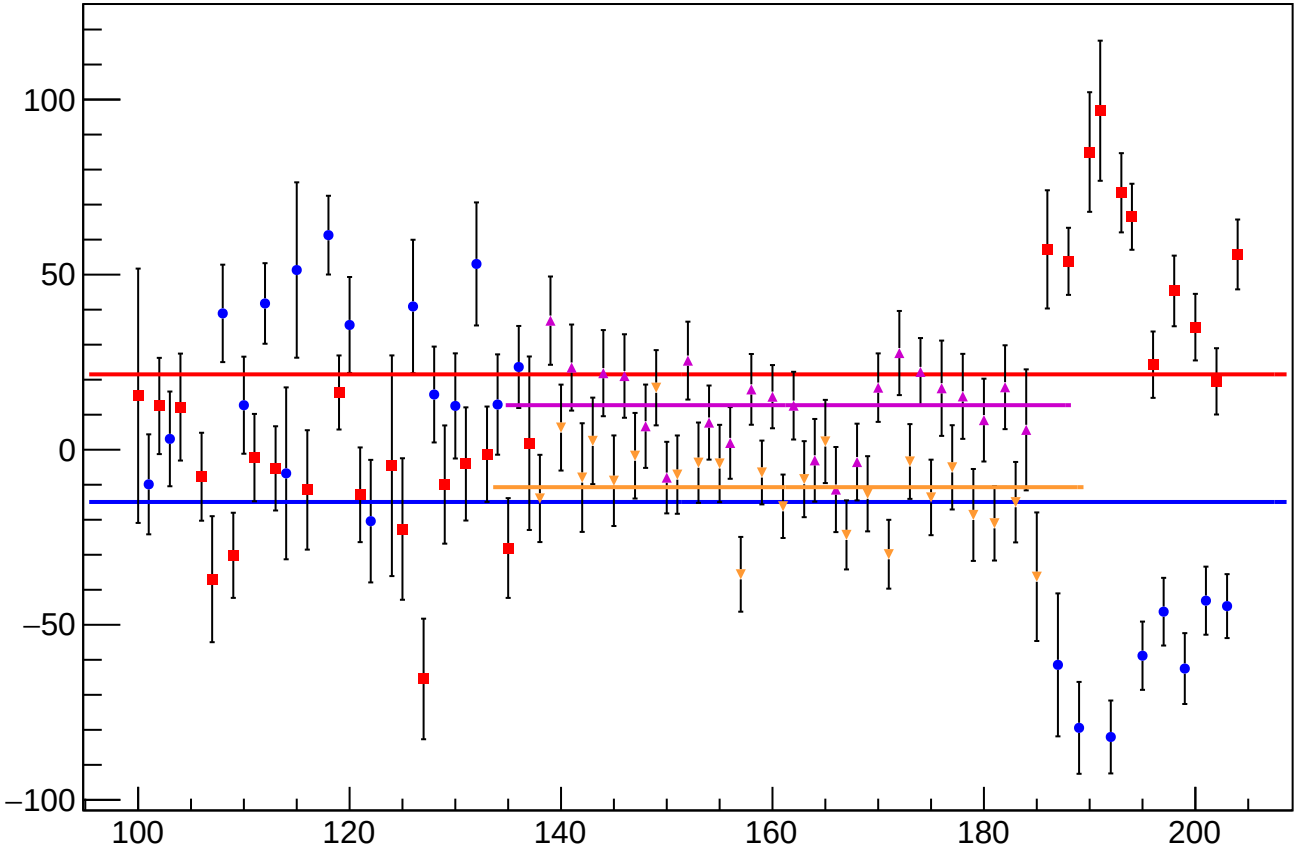
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1146.261+/-0.154 χ^2/NDF: 9646609.0/48

All: 1148.523+/-0.108 χ^2/NDF: 19119684.9/1

- sign 1150.724+/-0.152 χ^2/NDF: 9472651.5/52

diff_bpm0l07X_mean vs Slug



Right In: -14.925+/-2.608 χ^2/NDF: 301.2/23

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

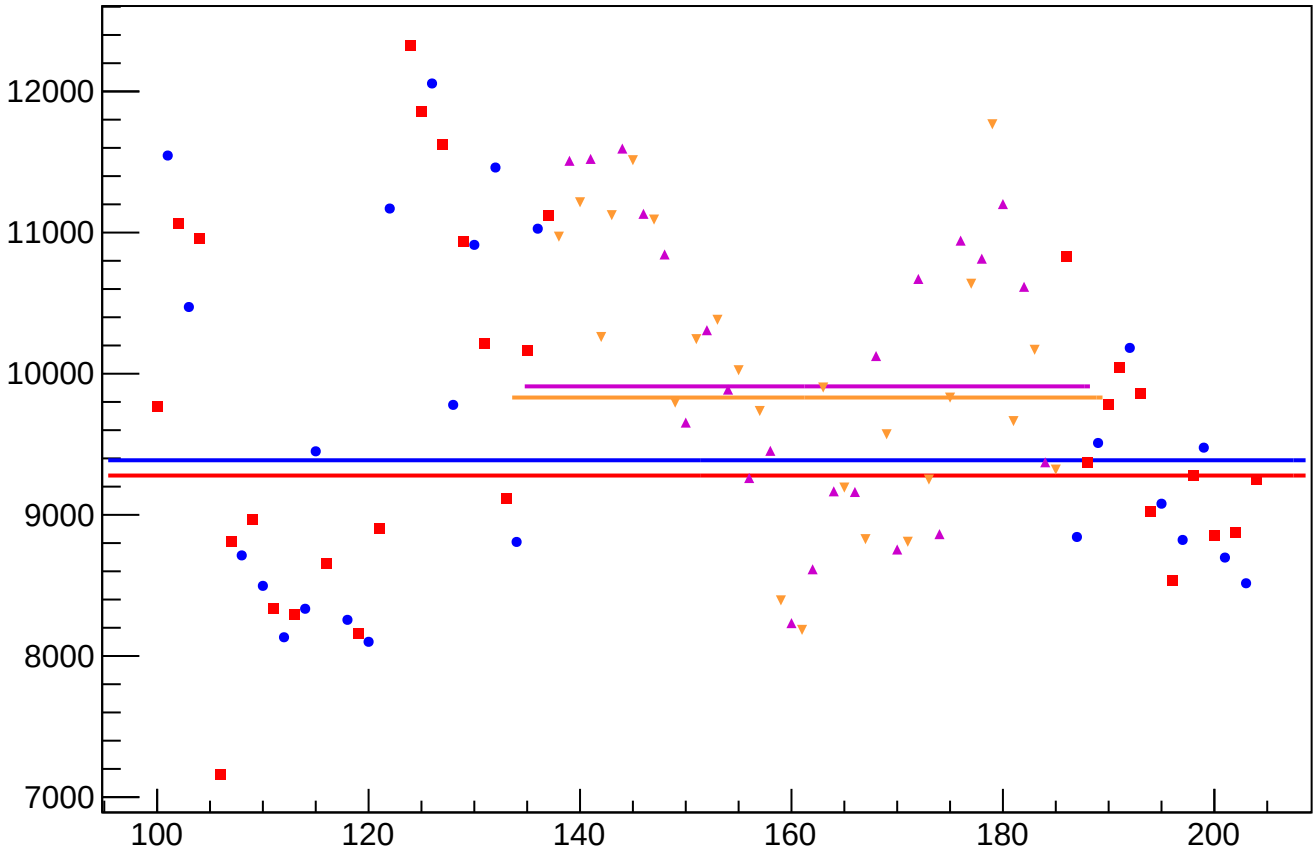
Right Out: 21.521+/-2.380 χ^2/NDF: 213.6/29

Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -12.507+/-1.707 χ^2/NDF: 331.5/48

All: 2.600+/-1.193 χ^2/NDF: 729.3/101

- sign 17.046+/-1.669 χ^2/NDF: 244.6/52



Right In: 9386.761+/-1.844 χ^2/NDF: 340091.0/23

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9278.575+/-1.683 χ^2/NDF: 351220.7/29

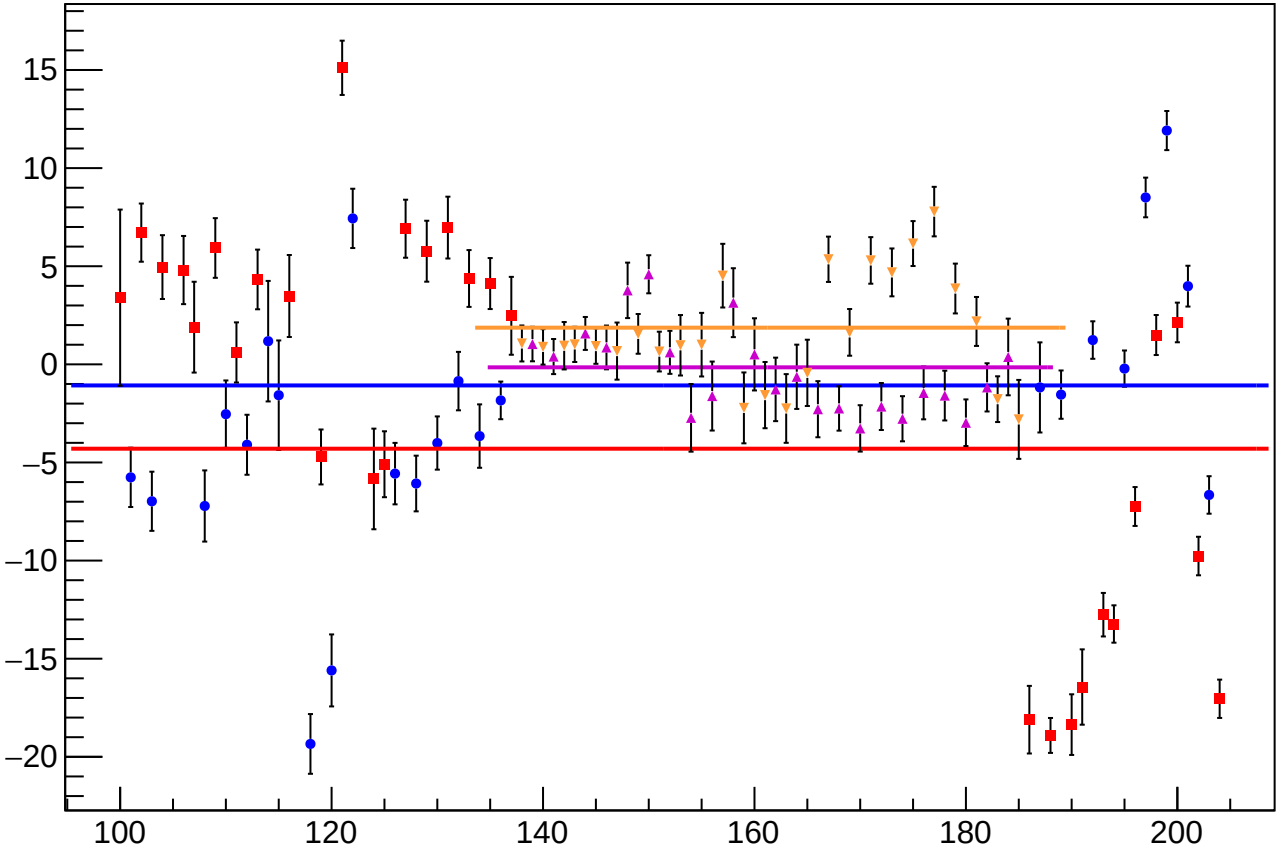
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9640.946+/-1.207 χ^2/NDF: 729432.3/48

All: 9619.880+/-0.844 χ^2/NDF: 1542223.8/10

- sign 9599.737+/-1.180 χ^2/NDF: 812195.6/52

diff_bpm0l07Y_mean vs Slug



Right In: -1.075+/-0.269 χ^2/NDF: 632.9/23

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -4.299+/-0.248 χ^2/NDF: 1550.3/29

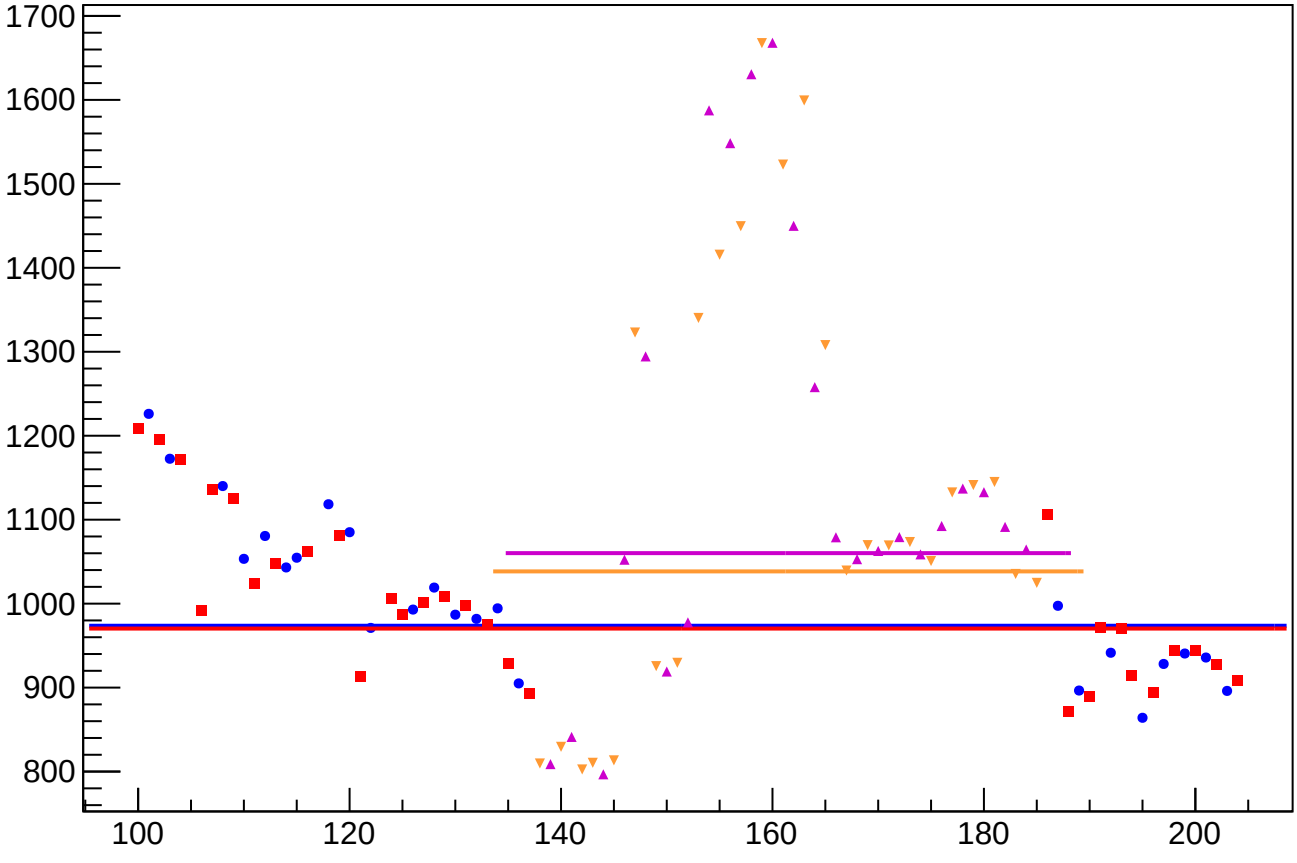
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.547+/-0.180 χ^2/NDF: 802.1/48

All: -0.889+/-0.126 χ^2/NDF: 2689.7/101

- sign -2.282+/-0.177 χ^2/NDF: 1762.4/52

diff_bpm0l07Y_rms vs Slug



Right In: 973.662+/-0.190 χ^2/NDF: 223503.5/23

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 970.314+/-0.175 χ^2/NDF: 225238.4/29

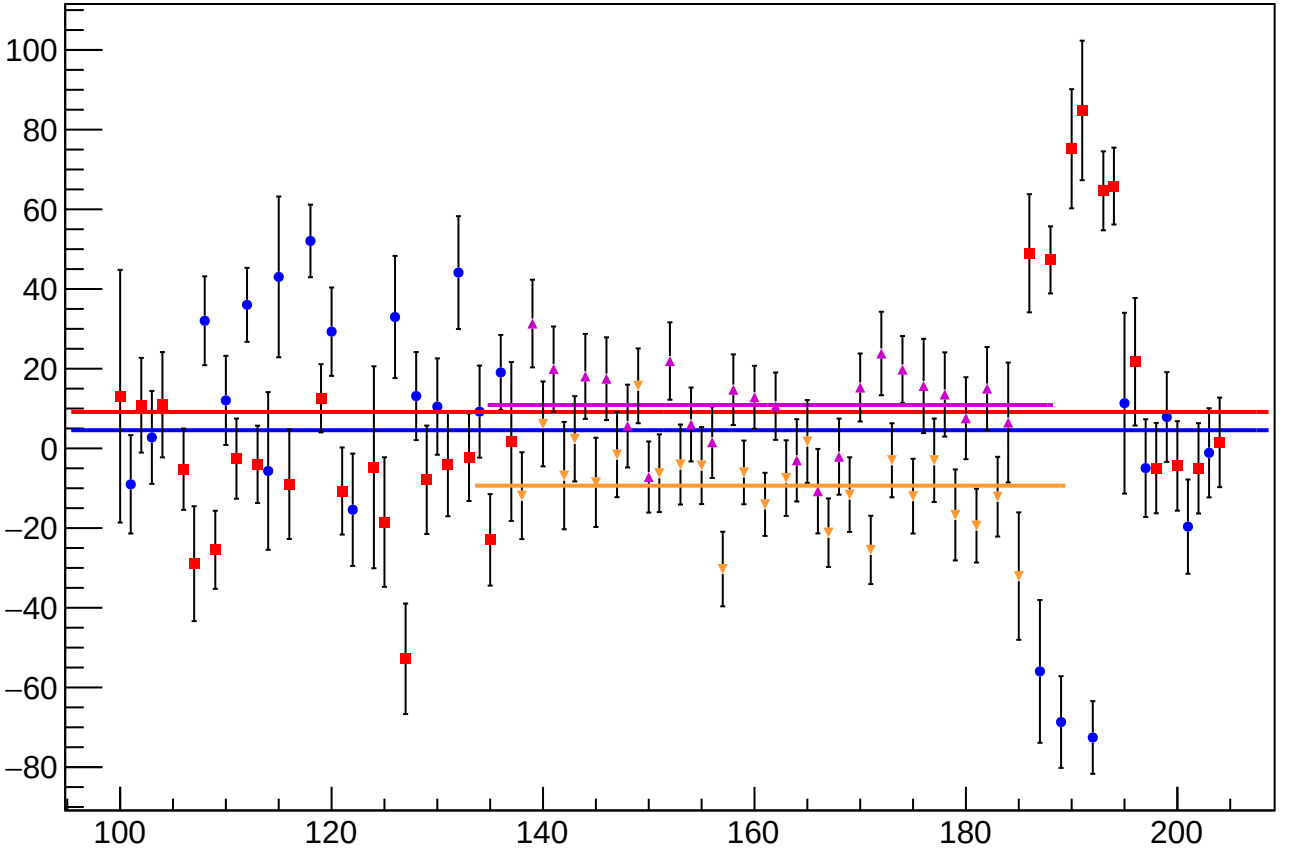
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1009.331+/-0.127 χ^2/NDF: 1994128.2/48

All: 1011.703+/-0.089 χ^2/NDF: 3871341.8/10

- sign 1014.006+/-0.125 χ^2/NDF: 1876530.0/52

diff_bpm0l08X_mean vs Slug



Right In: 4.562+/-2.432 χ^2/NDF: 200.7/23

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

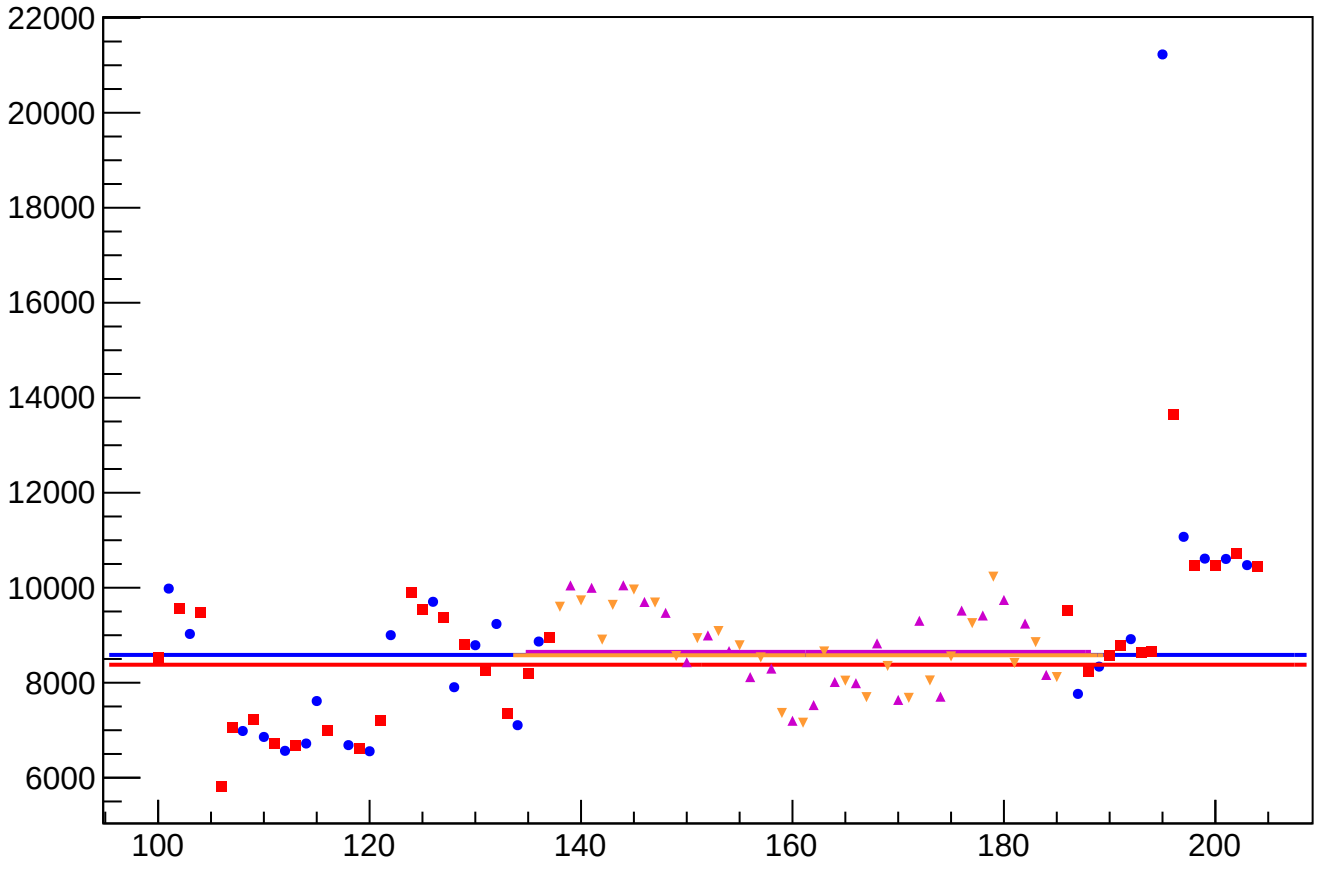
Right Out: 9.142+/-2.186 χ^2/NDF: 202.1/29

Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -3.844+/-1.530 χ^2/NDF: 248.9/48

All: 3.291+/-1.068 χ^2/NDF: 517.4/101

- sign 10.076+/-1.492 χ^2/NDF: 226.0/52



Right In: 8585.384+/-1.720 χ^2/NDF: 1338689.9/23

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8378.900+/-1.546 χ^2/NDF: 1020133.6/29

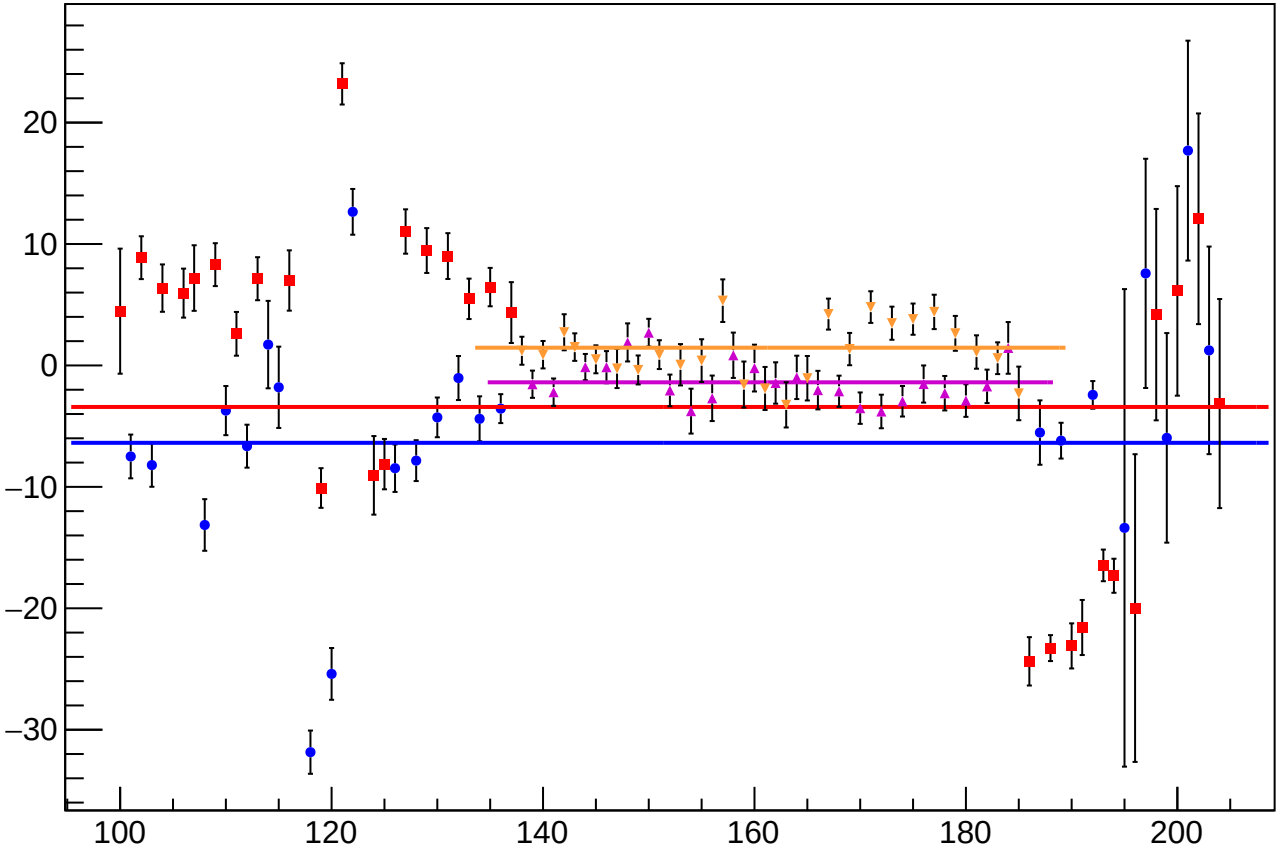
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8581.163+/-1.082 χ^2/NDF: 1682421.0/48

All: 8551.470+/-0.756 χ^2/NDF: 3098284.8/10

- sign 8523.233+/-1.055 χ^2/NDF: 1414395.0/52

diff_bpm0l08Y_mean vs Slug



Right In: -6.372+/-0.405 χ^2/NDF: 447.7/23

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -3.419+/-0.360 χ^2/NDF: 1561.1/29

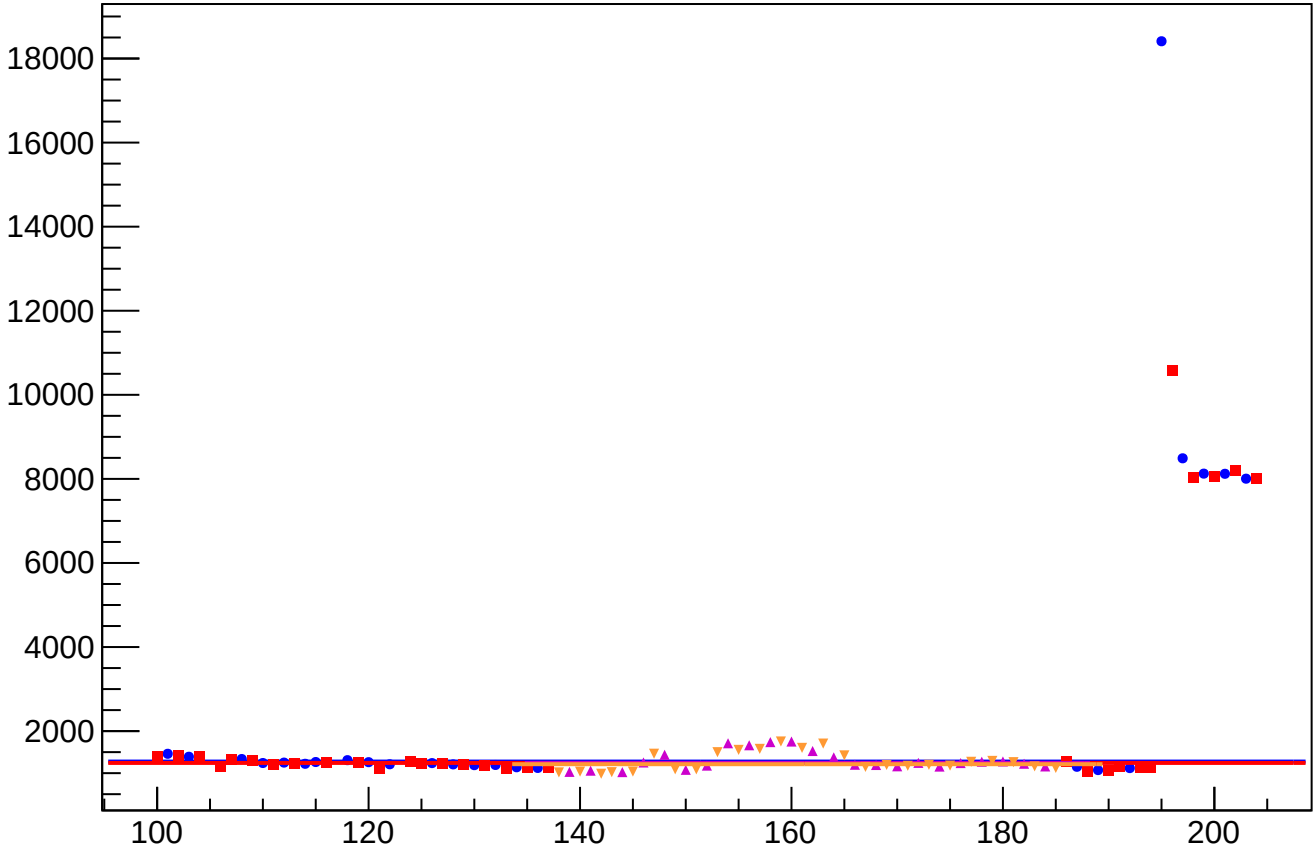
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.081+/-0.231 χ^2/NDF: 751.7/48

All: -1.649+/-0.162 χ^2/NDF: 2379.4/101

- sign -2.203+/-0.228 χ^2/NDF: 1615.7/52

diff_bpm0l08Y_rms vs Slug



Right In: 1275.661+/-0.286 χ^2/NDF: 6501015.5/23

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1243.501+/-0.254 χ^2/NDF: 6263830.4/29

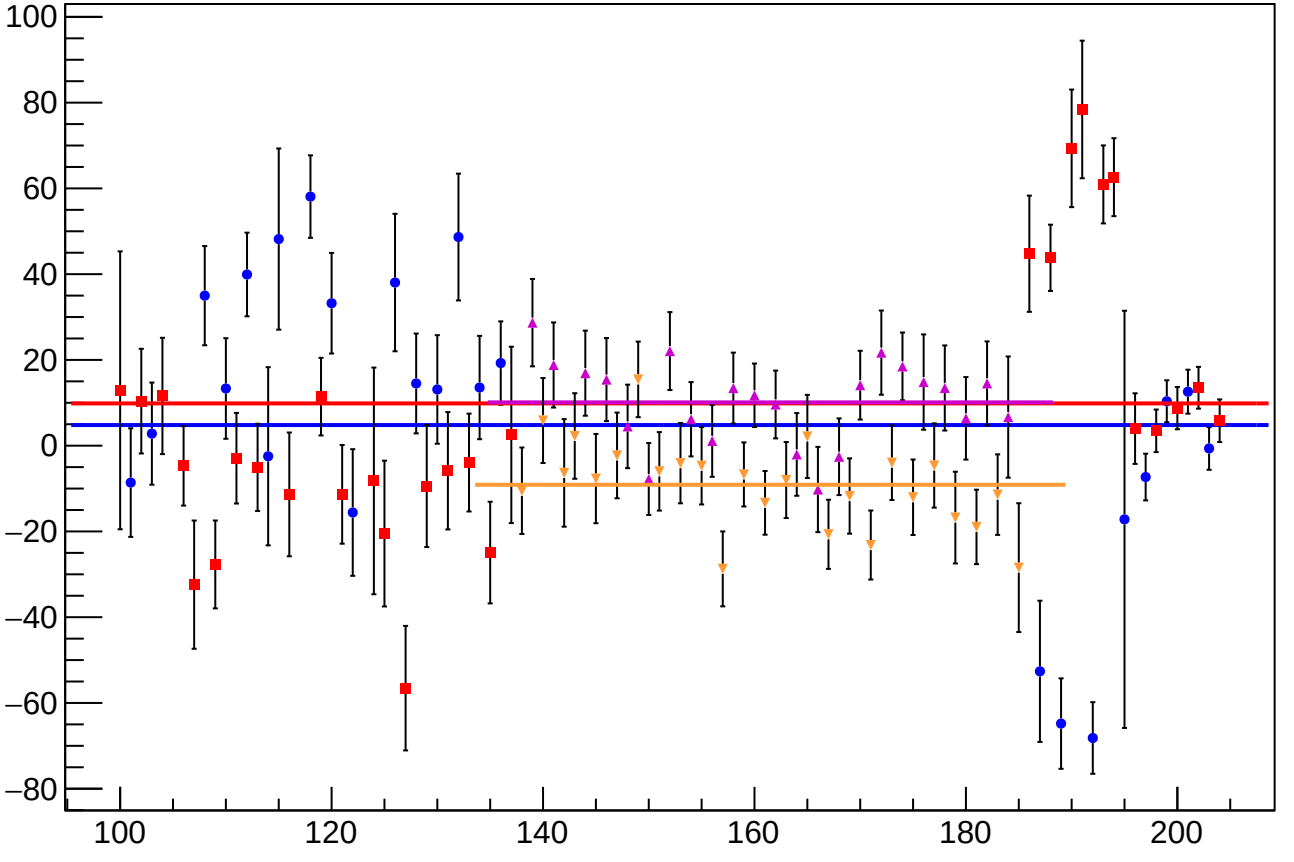
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1233.516+/-0.163 χ^2/NDF: 7545897.7/48

All: 1237.257+/-0.115 χ^2/NDF: 14696538.5/1

- sign 1240.908+/-0.161 χ^2/NDF: 7149600.4/52

diff_bpm0l09X_mean vs Slug



Right In: 4.809+/-1.868 χ^2/NDF: 223.3/23

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 9.858+/-1.681 χ^2/NDF: 202.8/29

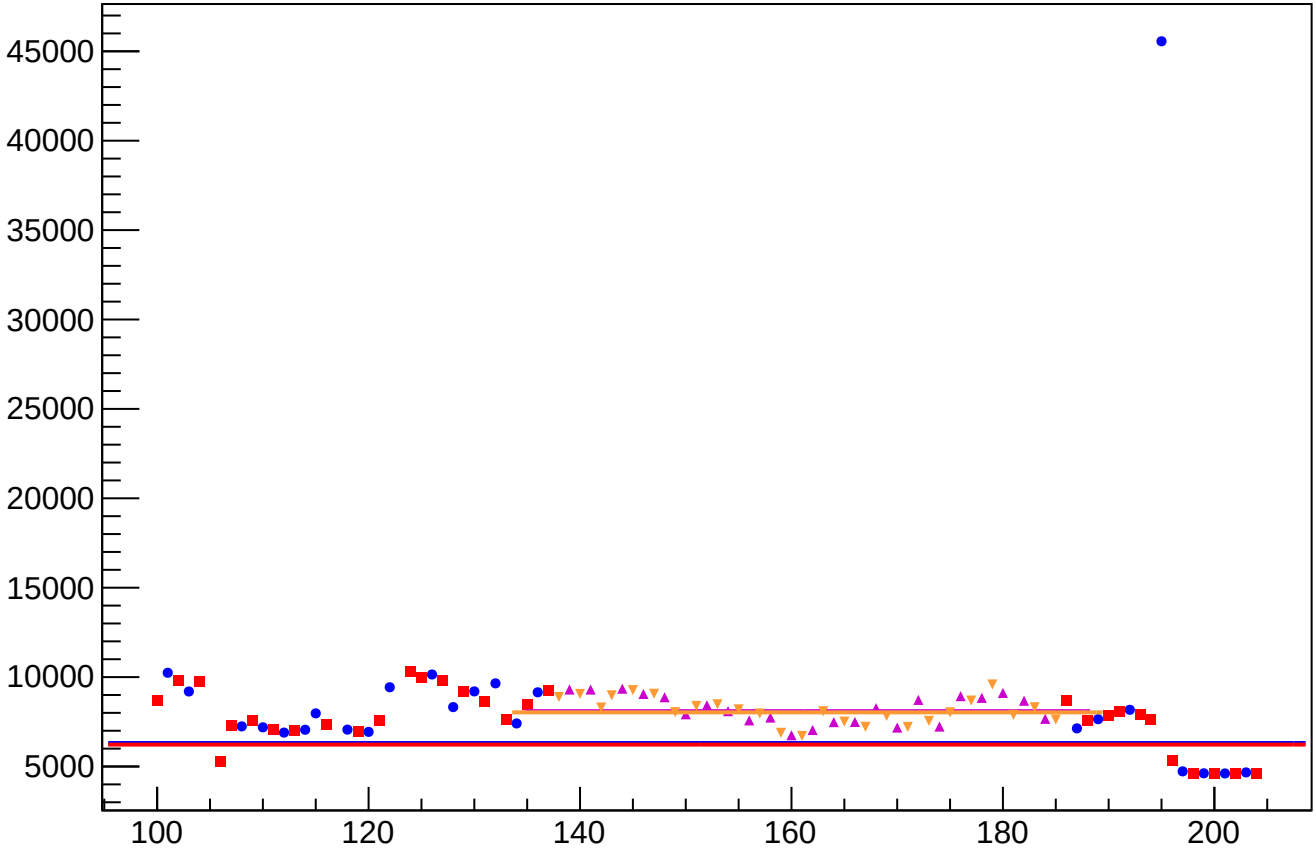
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -2.247+/-1.312 χ^2/NDF: 280.2/48

All: 4.091+/-0.910 χ^2/NDF: 552.3/101

- sign 9.961+/-1.262 χ^2/NDF: 227.1/52

diff_bpm0l09X_rms vs Slug



Right In: 6313.937+/-1.321 χ^2/NDF: 3315092.0/23

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 6226.028+/-1.189 χ^2/NDF: 2208283.6/29

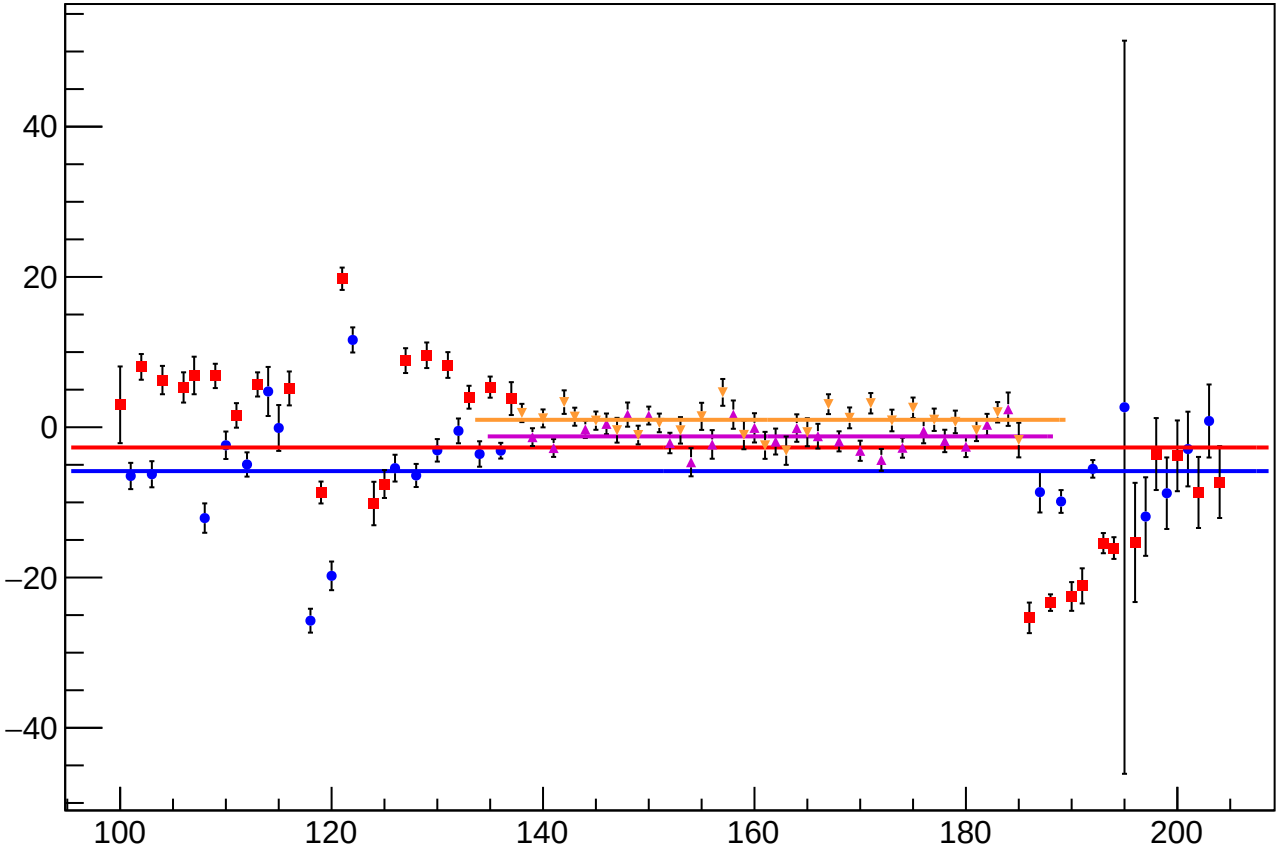
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 7182.653+/-0.927 χ^2/NDF: 4501316.9/48

All: 7109.352+/-0.643 χ^2/NDF: 8167725.1/10

- sign 7041.459+/-0.893 χ^2/NDF: 3654376.5/52

diff_bpm0l09Y_mean vs Slug



Right In: -5.838+/-0.375 χ^2/NDF: 382.6/23

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: -2.693+/-0.339 χ^2/NDF: 1461.3/29

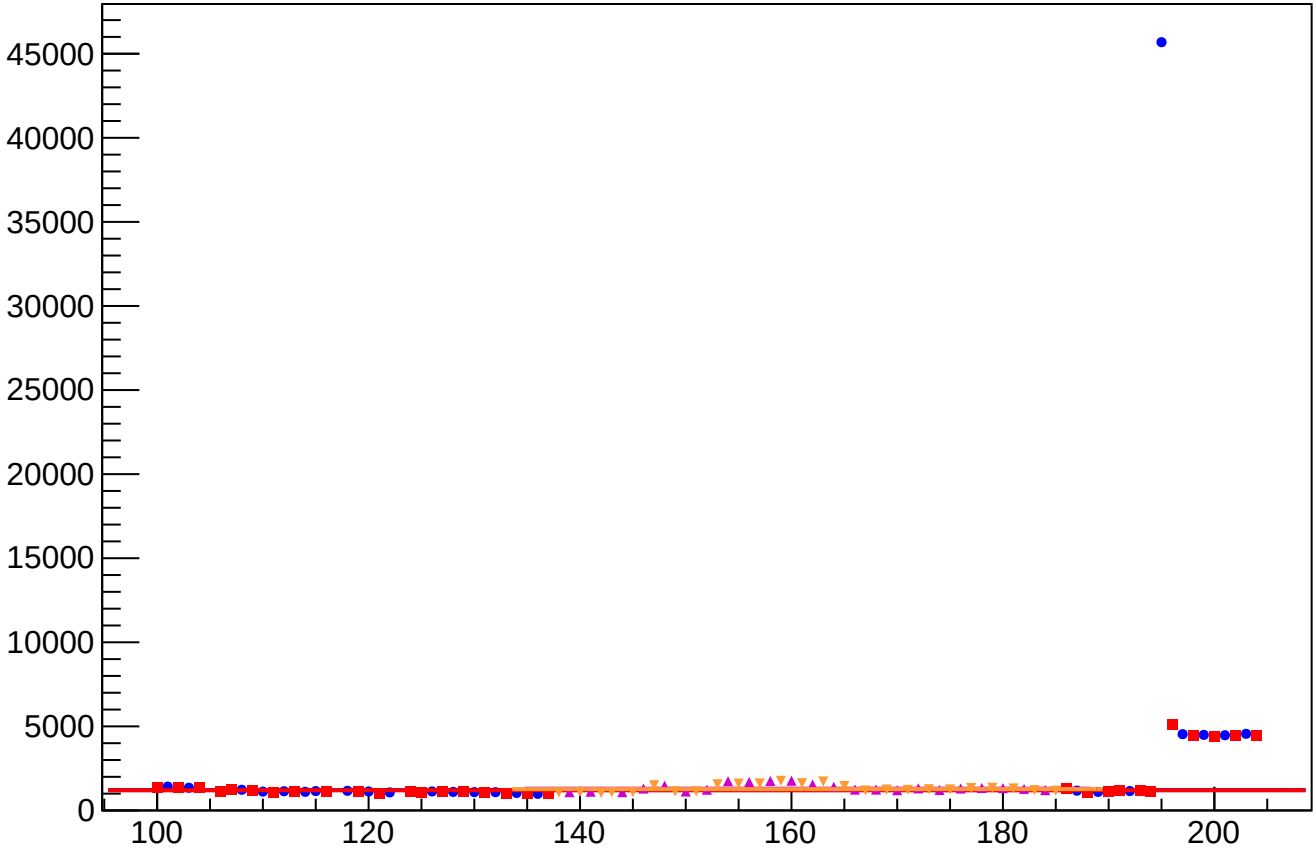
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.592+/-0.231 χ^2/NDF: 619.7/48

All: -1.739+/-0.162 χ^2/NDF: 2125.3/101

- sign -1.882+/-0.227 χ^2/NDF: 1504.8/52

diff_bpm0l09Y_rms vs Slug



Right In: 1210.117+/-0.265 χ^2/NDF: 5468721.7/23

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1202.412+/-0.240 χ^2/NDF: 4468428.5/29

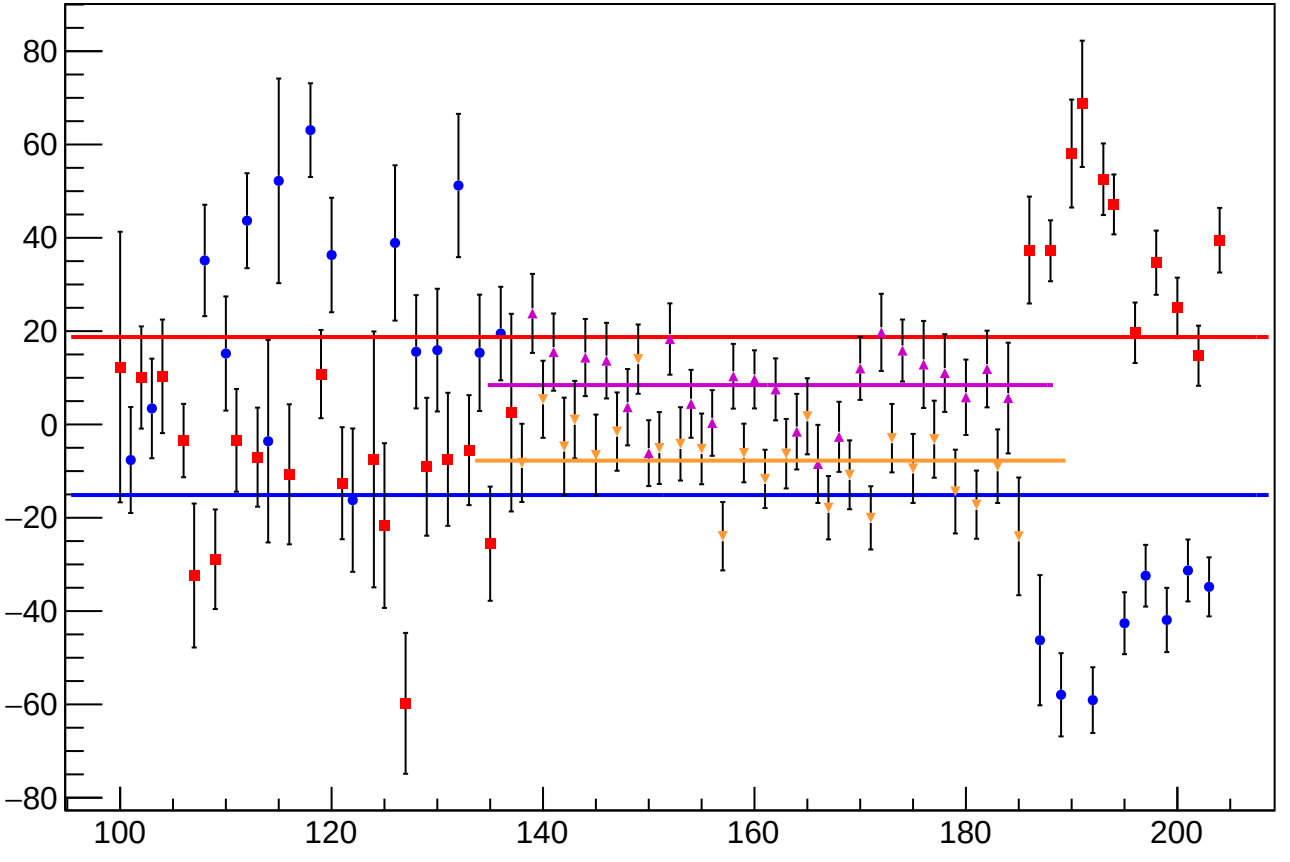
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1245.752+/-0.163 χ^2/NDF: 6376179.9/48

All: 1249.362+/-0.115 χ^2/NDF: 11684133.0/1

- sign 1252.876+/-0.161 χ^2/NDF: 5306985.5/52

diff_bpm0l10X_mean vs Slug



Right In: -15.130+/-1.985 χ^2/NDF: 329.3/23

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 18.736+/-1.772 χ^2/NDF: 209.9/29

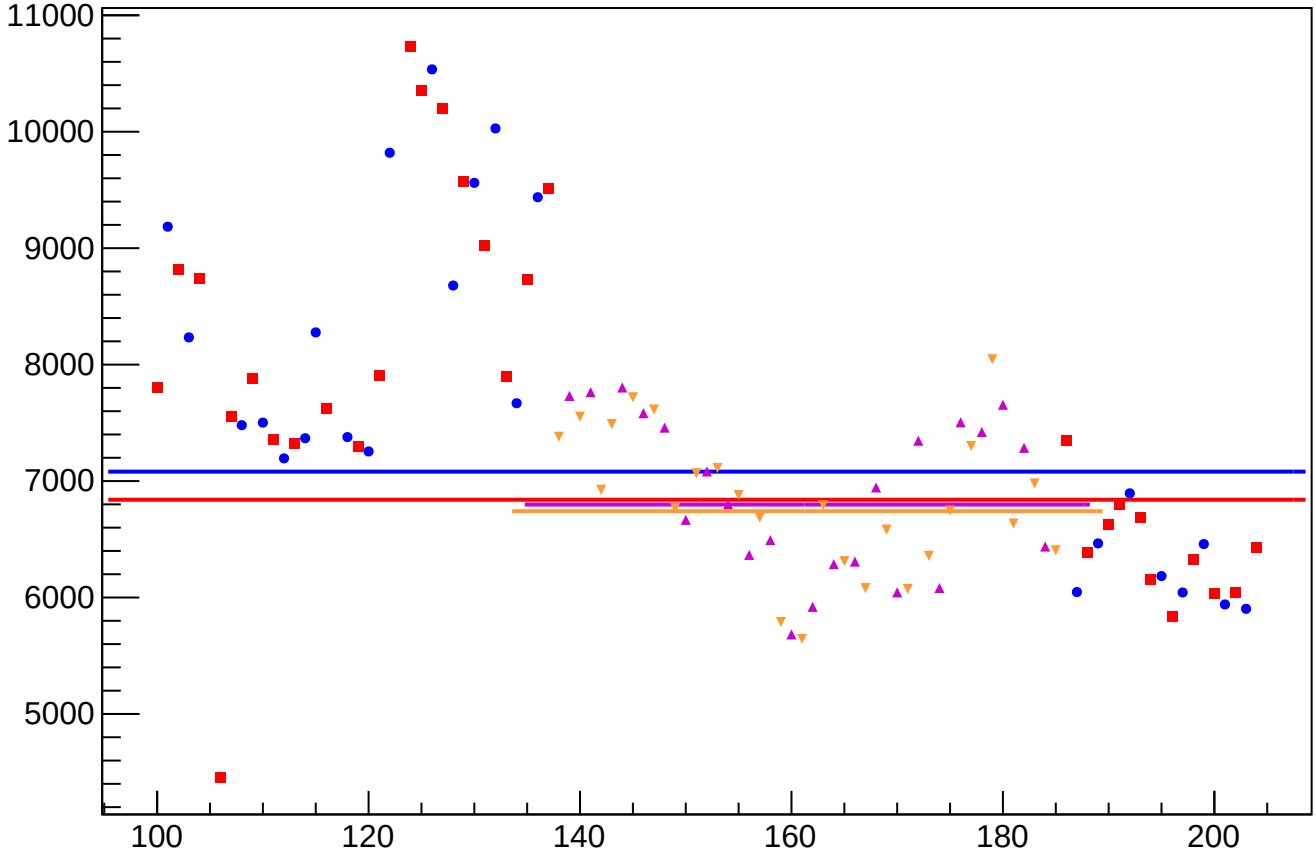
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -10.539+/-1.220 χ^2/NDF: 368.4/48

All: 1.569+/-0.852 χ^2/NDF: 813.7/101

- sign 13.078+/-1.189 χ^2/NDF: 253.2/52

diff_bpm0l10X_rms vs Slug



Right In: 7081.009+/-1.403 χ^2/NDF: 801651.6/23

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6839.767+/-1.253 χ^2/NDF: 952484.1/29

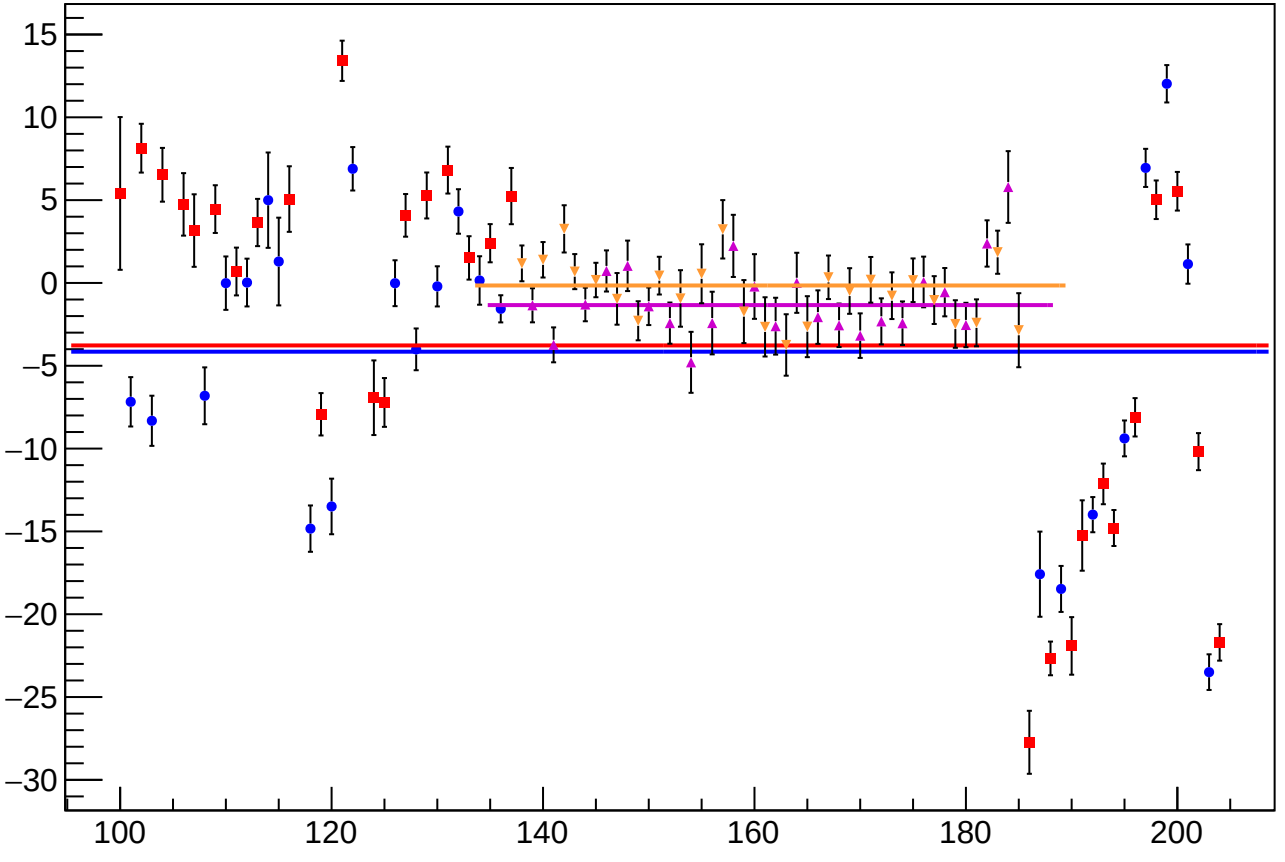
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6869.351+/-0.863 χ^2/NDF: 1154912.6/48

All: 6842.566+/-0.602 χ^2/NDF: 2463150.1/10

- sign 6817.109+/-0.841 χ^2/NDF: 1306357.1/52

diff_bpm0l10Y_mean vs Slug



Right In: -4.150+/-0.270 χ^2/NDF: 1166.0/23

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -3.773+/-0.254 χ^2/NDF: 1879.9/29

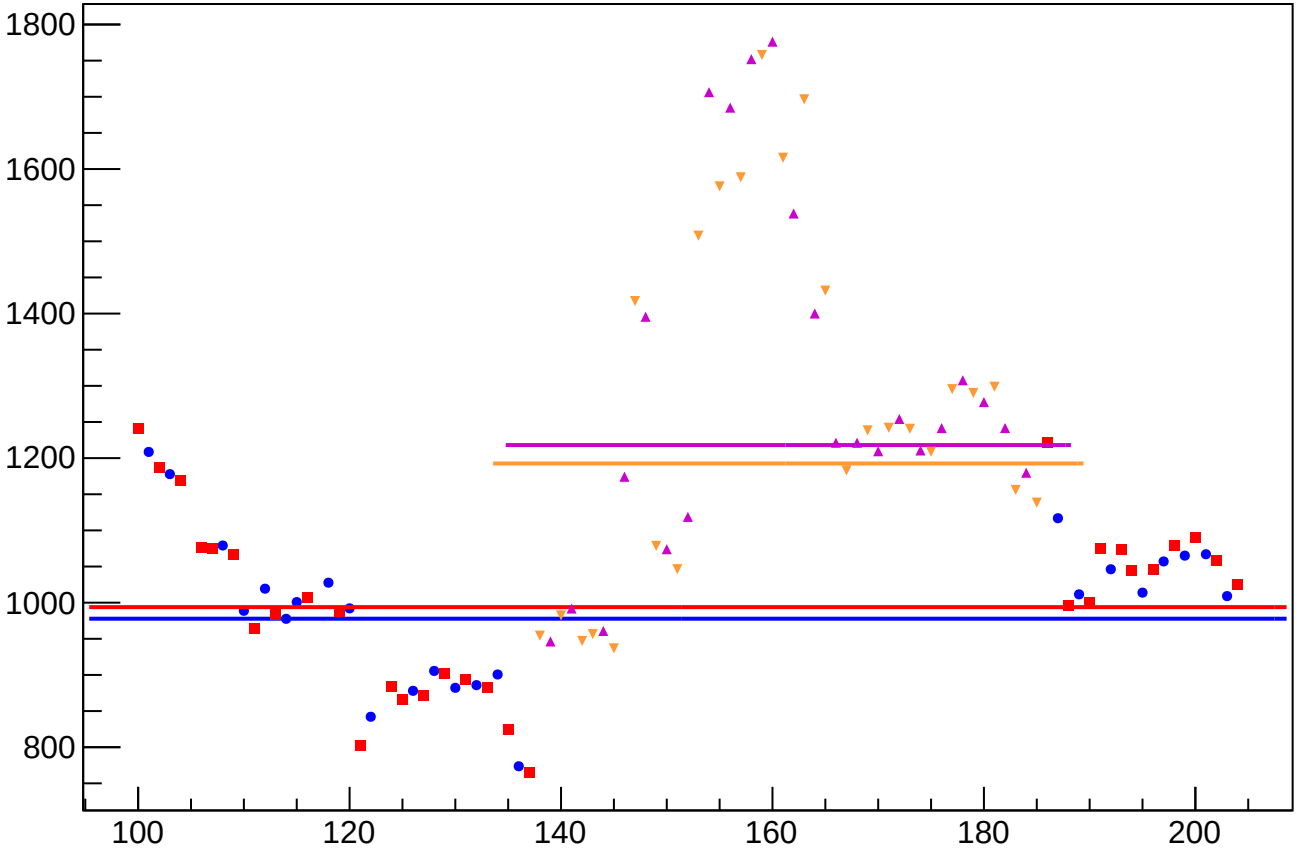
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -2.197+/-0.193 χ^2/NDF: 1308.8/48

All: -2.459+/-0.136 χ^2/NDF: 3276.2/101

- sign -2.715+/-0.191 χ^2/NDF: 1963.8/52

diff_bpm0l10Y_rms vs Slug



Right In: 977.808+/-0.191 χ^2/NDF: 336235.3/23

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 993.810+/-0.180 χ^2/NDF: 358290.6/29

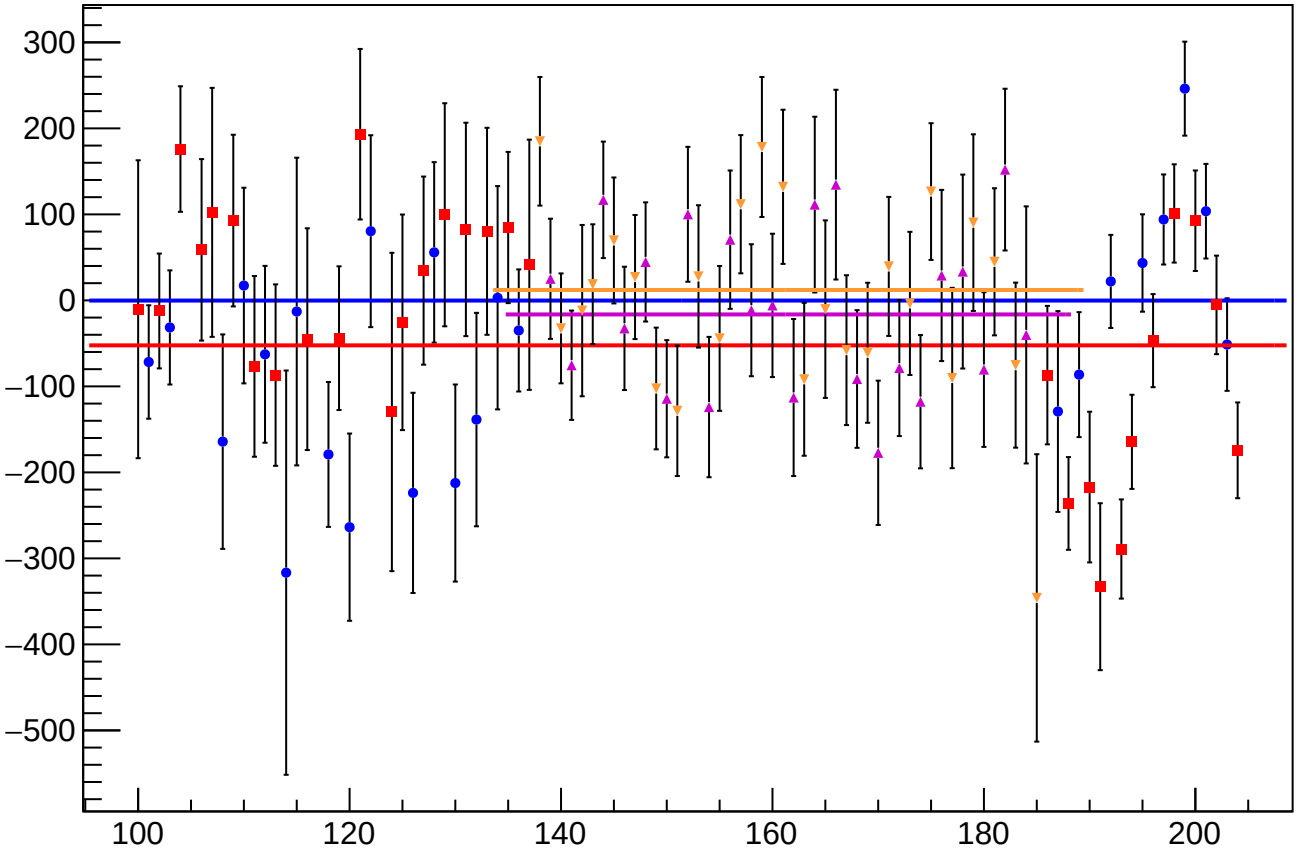
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1082.755+/-0.137 χ^2/NDF: 2272540.8/48

All: 1087.006+/-0.096 χ^2/NDF: 4436651.0/10

- sign 1091.159+/-0.135 χ^2/NDF: 2162200.5/52

diff_bpm0r03X_mean vs Slug



Right In: -0.213+/-16.006 χ^2/NDF: 56.6/23

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

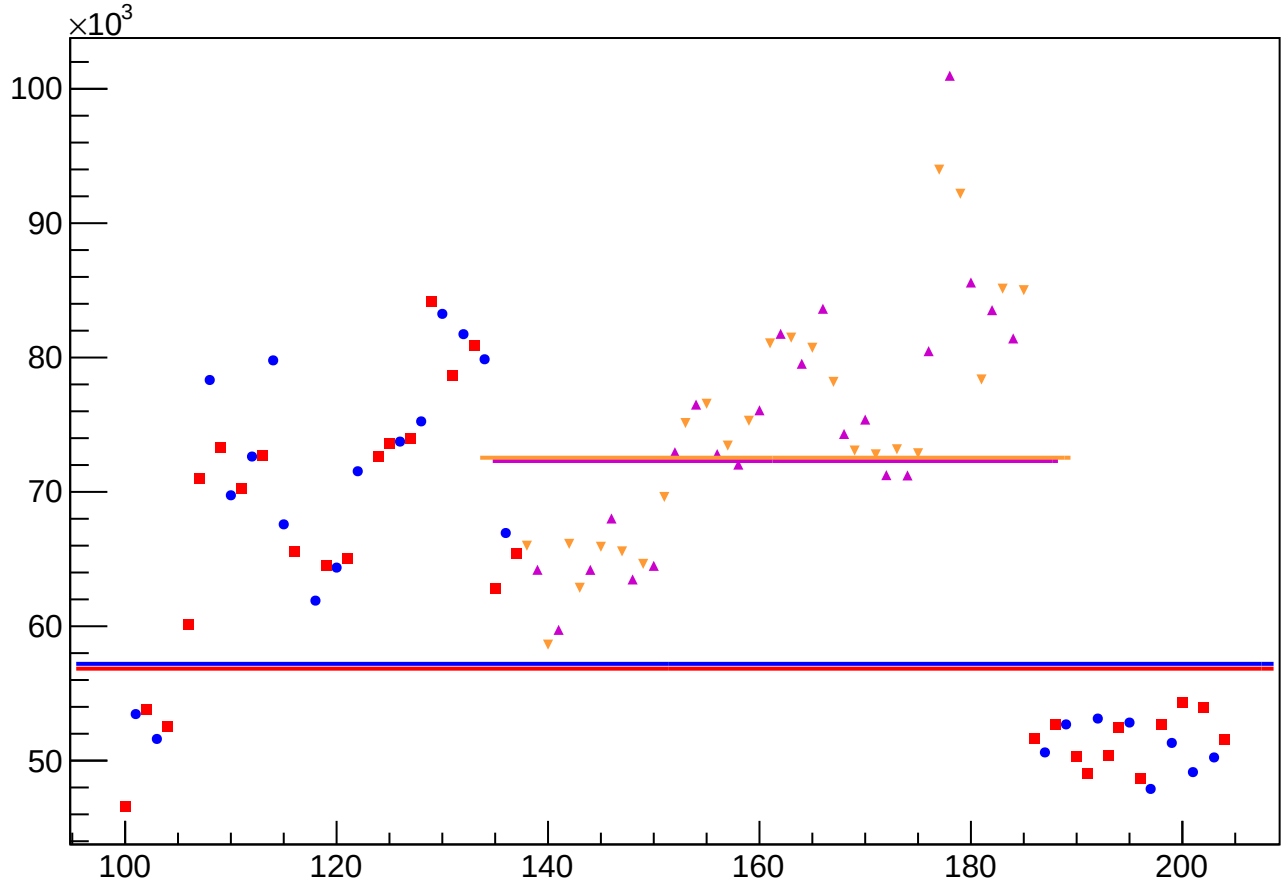
Right Out: -52.305+/-14.661 χ^2/NDF: 91.9/29

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

\+ sign 5.707+/-11.525 χ^2/NDF: 89.6/48

All: -16.425+/-7.998 χ^2/NDF: 220.0/101

\- sign -36.983+/-11.107 χ^2/NDF: 123.2/52



Right In: 57202.622+/-11.318 χ^2/NDF: 800441.6/23

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 56844.983+/-10.367 χ^2/NDF: 722110.3/29

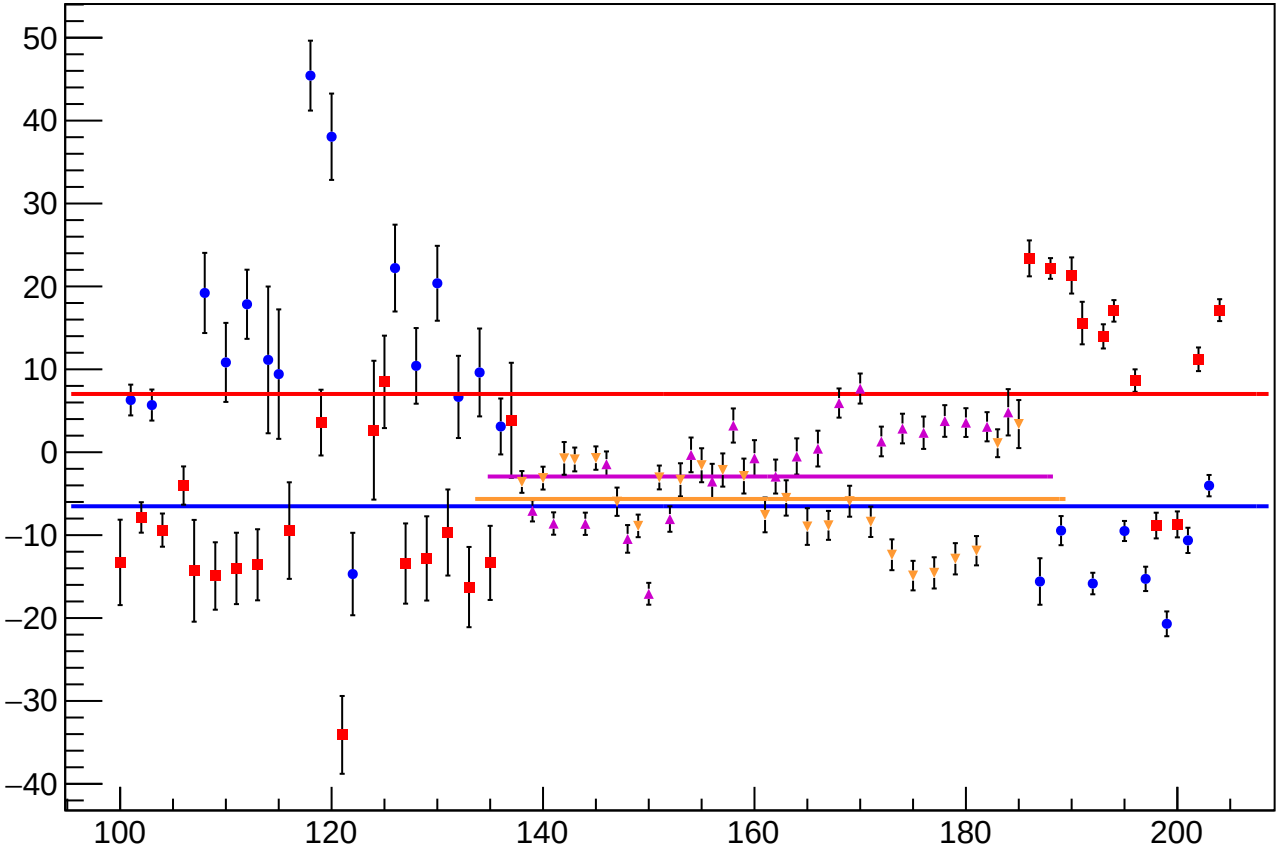
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 64590.311+/-8.149 χ^2/NDF: 2185336.9/48

All: 63988.352+/-5.655 χ^2/NDF: 4353648.5/1

- sign 63429.207+/-7.854 χ^2/NDF: 2157787.0/52

diff_bpm0r03Y_mean vs Slug



Right In: -6.519+/-0.454 χ^2/NDF: 712.8/23

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 7.028+/-0.405 χ^2/NDF: 1047.9/29

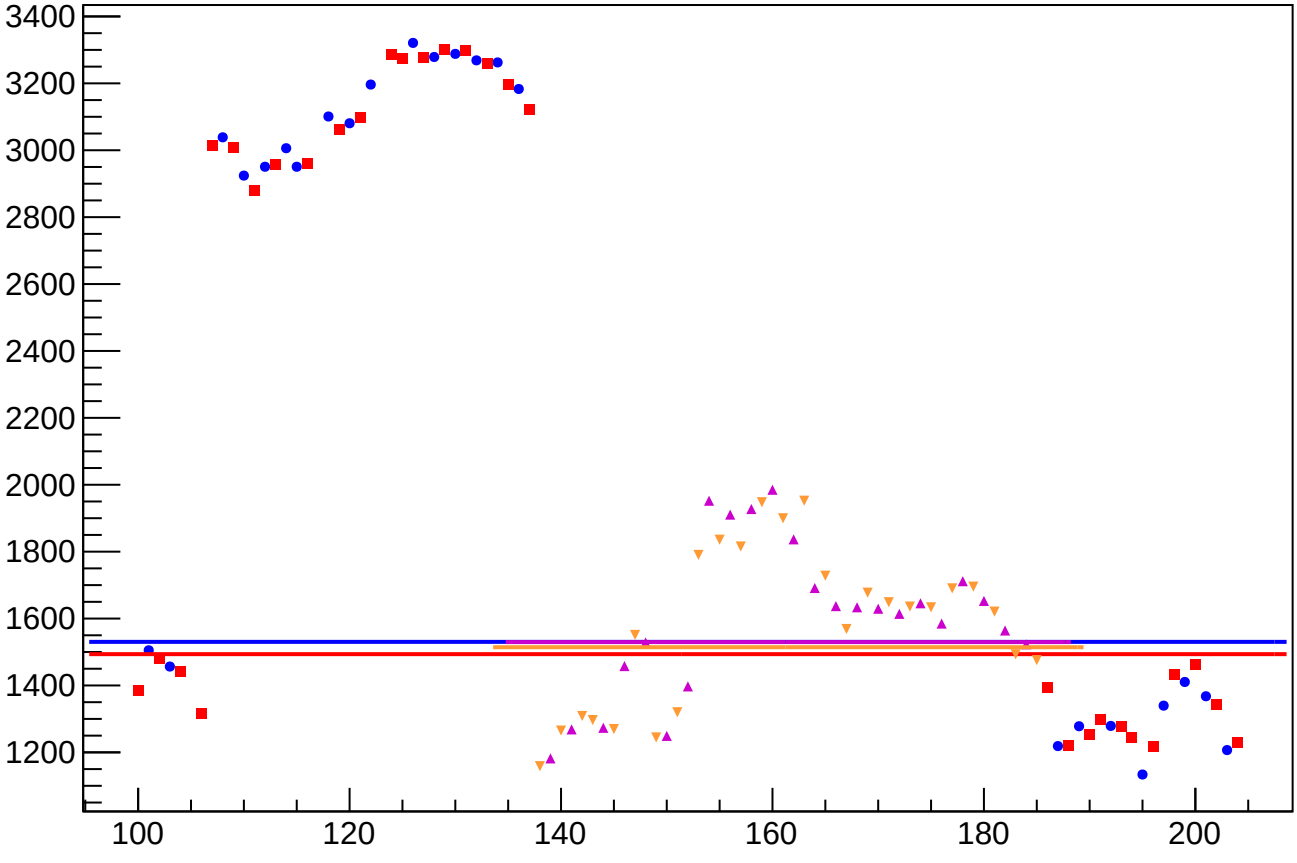
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

\+ sign -5.964+/-0.277 χ^2/NDF: 893.3/48

All: -2.141+/-0.193 χ^2/NDF: 2986.7/101

\- sign 1.497+/-0.270 χ^2/NDF: 1721.0/52

diff_bpm0r03Y_rms vs Slug



Right In: 1530.328+/-0.321 χ^2/NDF: 3722389.7/23

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1493.601+/-0.286 χ^2/NDF: 3699248.6/29

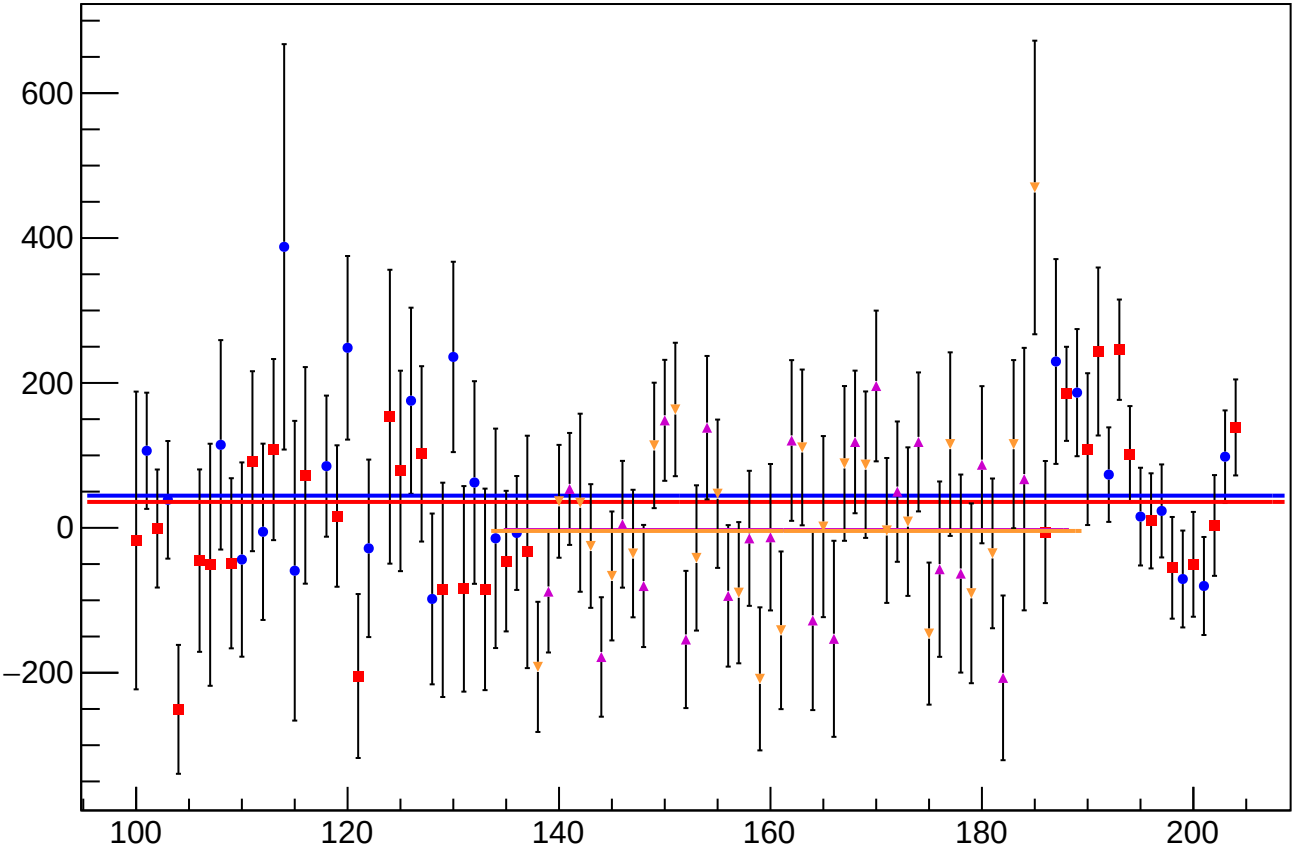
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1520.273+/-0.196 χ^2/NDF: 4657281.3/48

All: 1516.863+/-0.137 χ^2/NDF: 9194399.7/10

- sign 1513.617+/-0.191 χ^2/NDF: 4536525.7/52

diff_bpm0r05X_mean vs Slug



Right In: 44.437+/-19.033 χ^2/NDF: 23.4/23

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

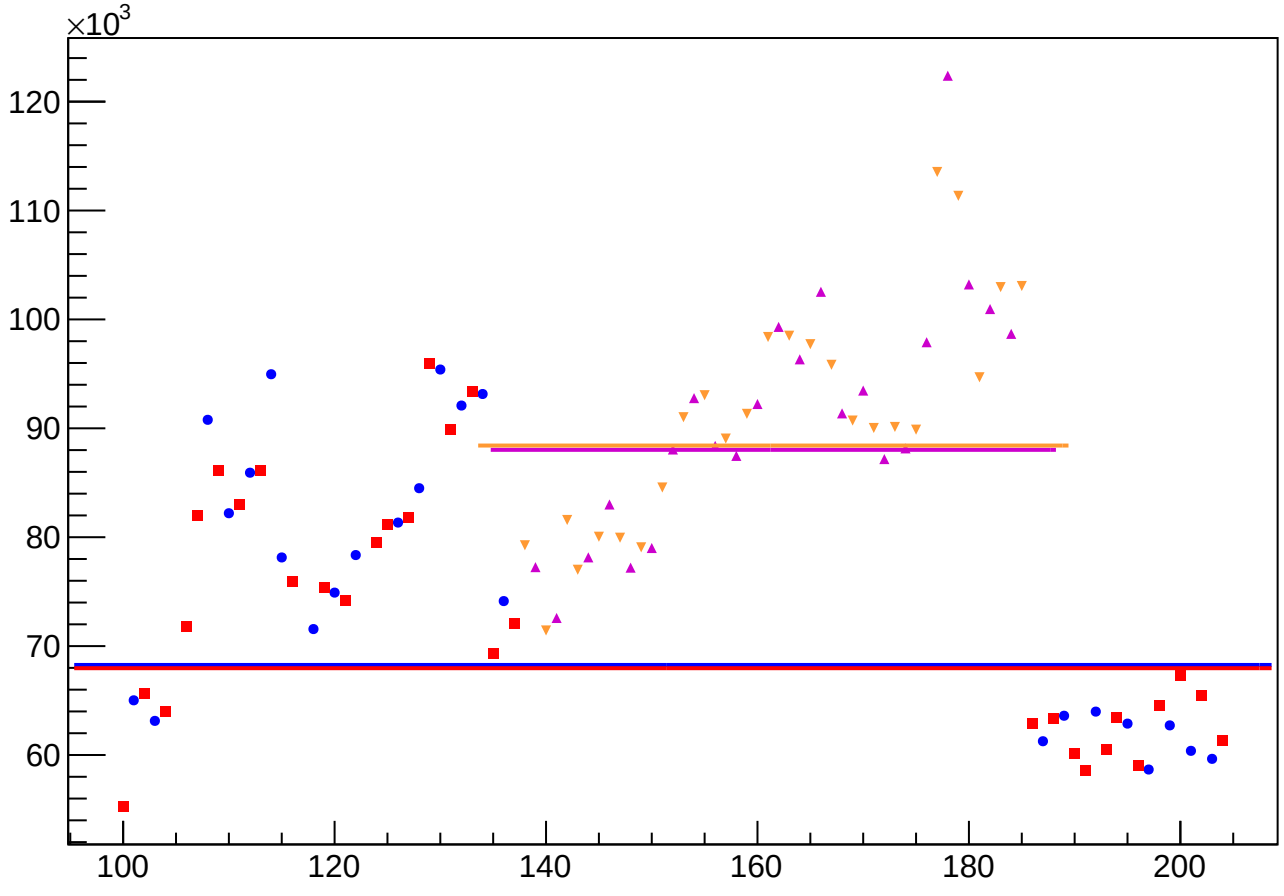
Right Out: 35.772+/-17.489 χ^2/NDF: 46.0/29

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 21.577+/-13.866 χ^2/NDF: 57.0/48

All: 20.570+/-9.622 χ^2/NDF: 135.7/101

- sign 19.635+/-13.365 χ^2/NDF: 78.7/52



Right In: 68268.625+/-13.459 χ^2/NDF: 588836.4/23

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 67971.023+/-12.366 χ^2/NDF: 547610.2/29

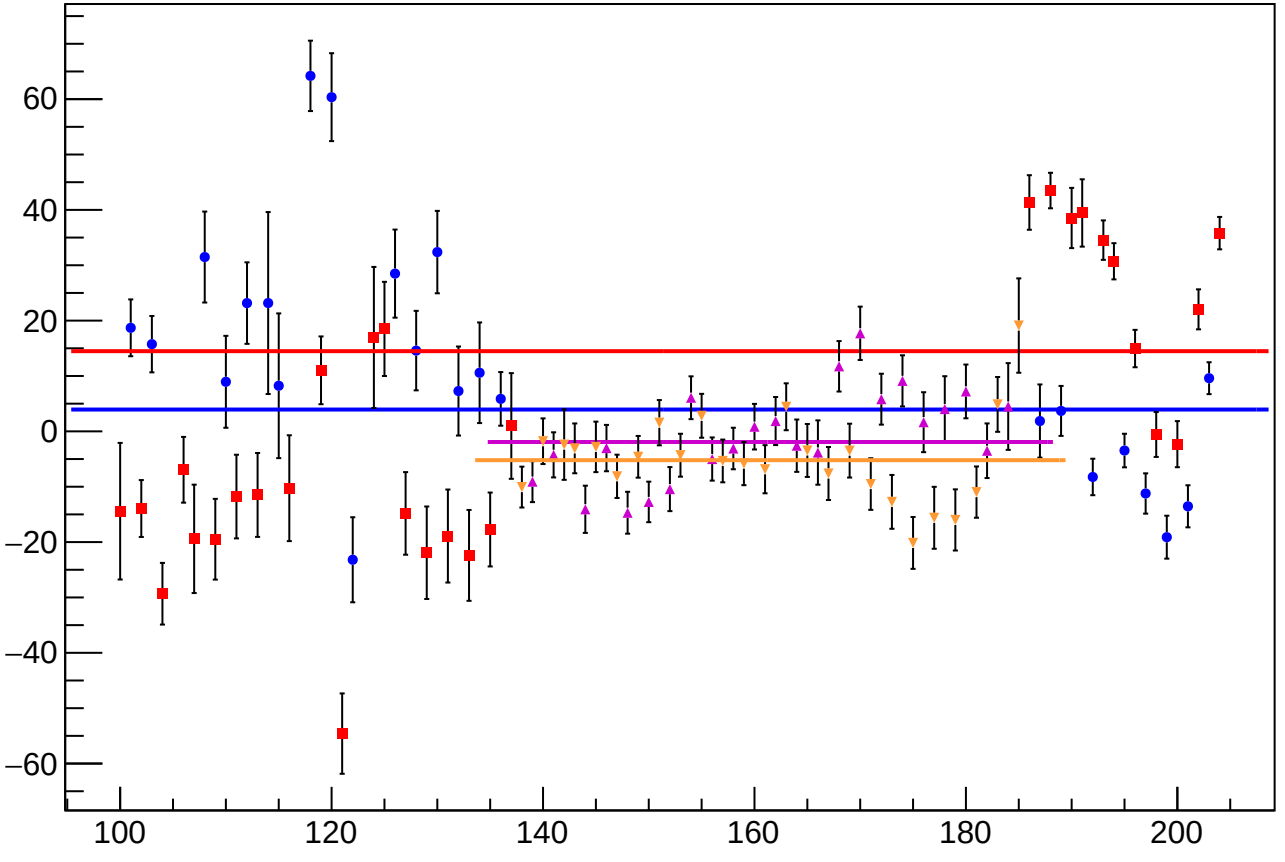
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 77724.876+/-9.804 χ^2/NDF: 2122685.9/48

All: 76993.325+/-6.804 χ^2/NDF: 4259759.9/1

- sign 76313.696+/-9.450 χ^2/NDF: 2126334.7/52

diff_bpm0r05Y_mean vs Slug



Right In: 3.941+/-1.043 χ^2/NDF: 311.1/23

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

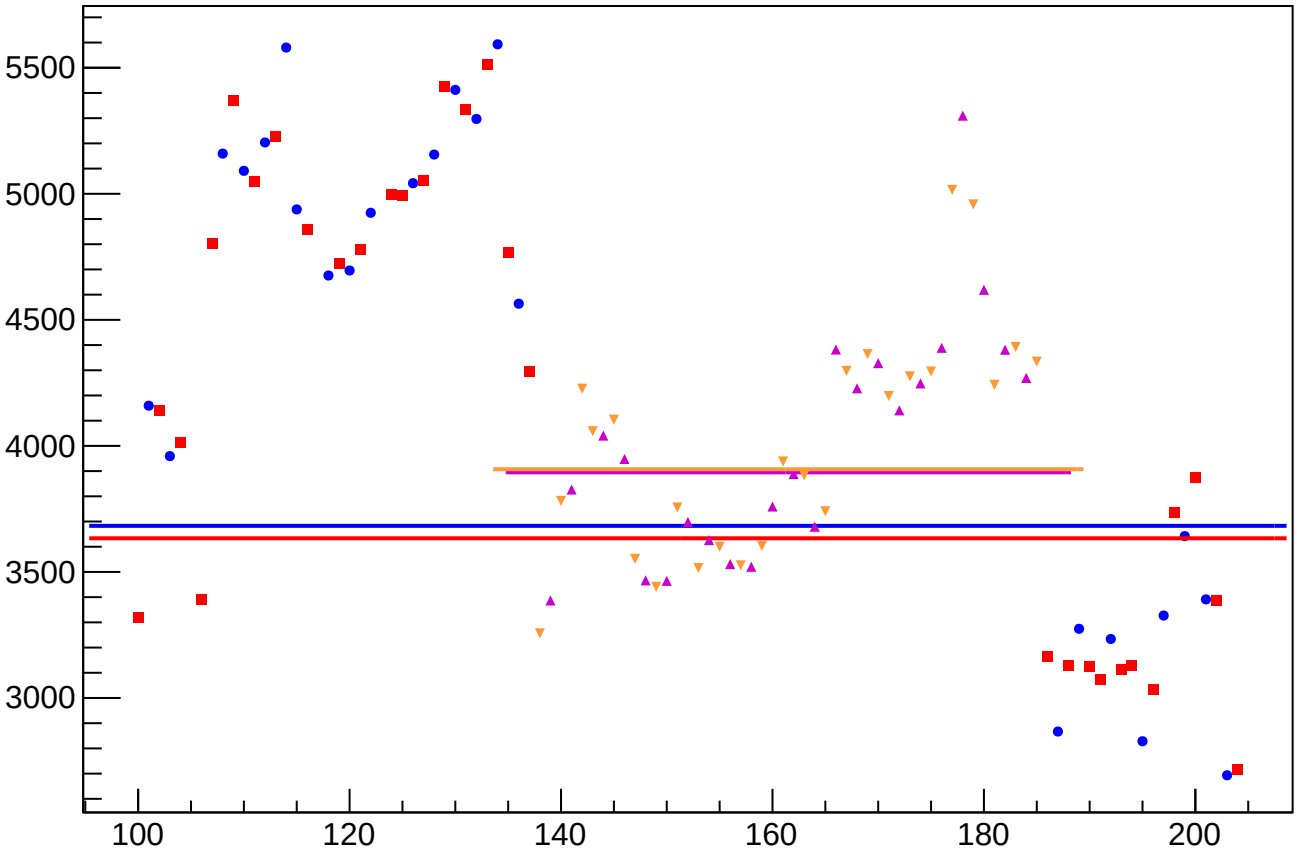
Right Out: 14.482+/-0.948 χ^2/NDF: 653.7/29

Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -1.331+/-0.679 χ^2/NDF: 406.4/48

All: 2.440+/-0.473 χ^2/NDF: 1358.1/101

- sign 5.996+/-0.659 χ^2/NDF: 891.7/52



Right In: 3682.847+/-0.737 χ^2/NDF: 1405340.8/23

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3633.497+/-0.671 χ^2/NDF: 1441377.1/29

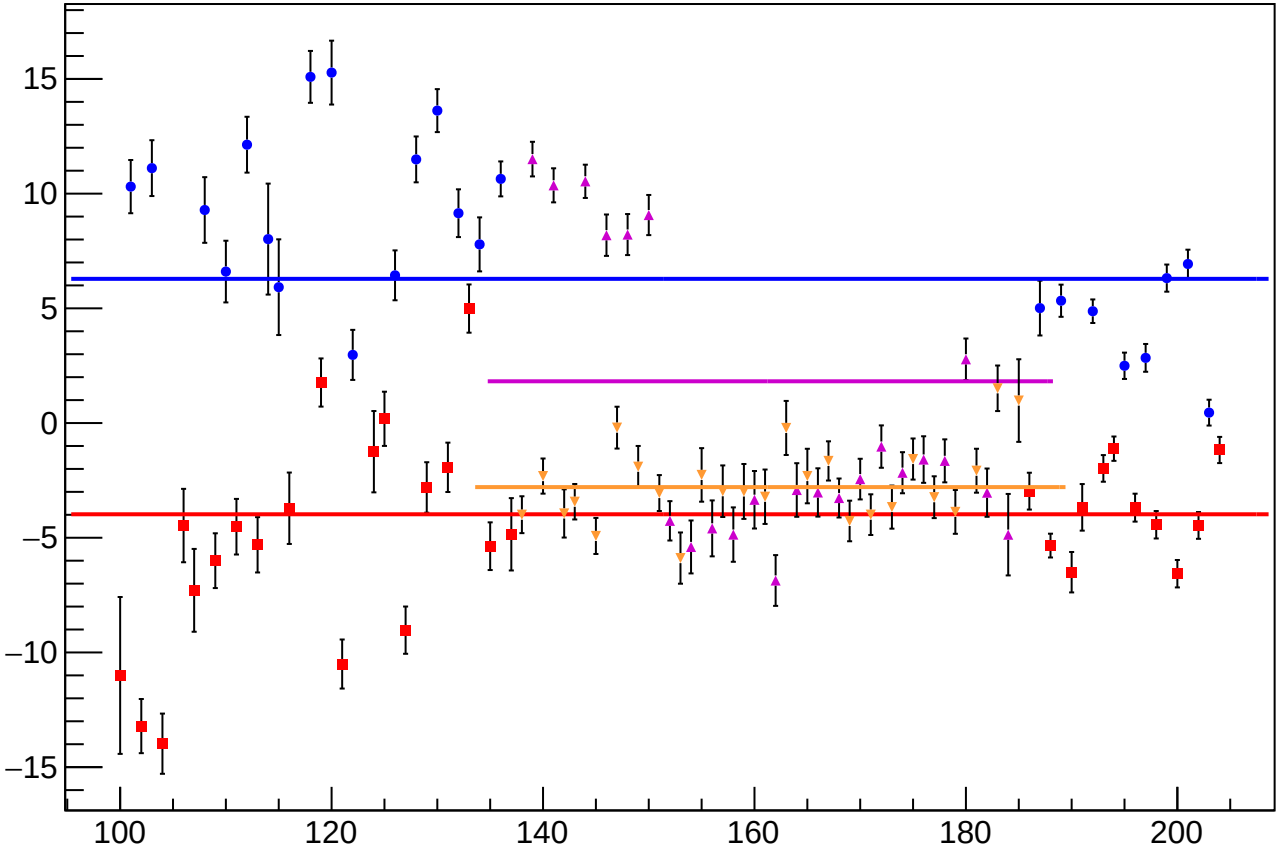
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3812.317+/-0.480 χ^2/NDF: 1900042.8/48

All: 3789.930+/-0.334 χ^2/NDF: 3834267.7/10

- sign 3768.818+/-0.466 χ^2/NDF: 1929995.7/52

diff_bpm2i01X_mean vs Slug



Right In: 6.286+/-0.174 χ^2/NDF: 492.4/23

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -3.977+/-0.157 χ^2/NDF: 419.0/29

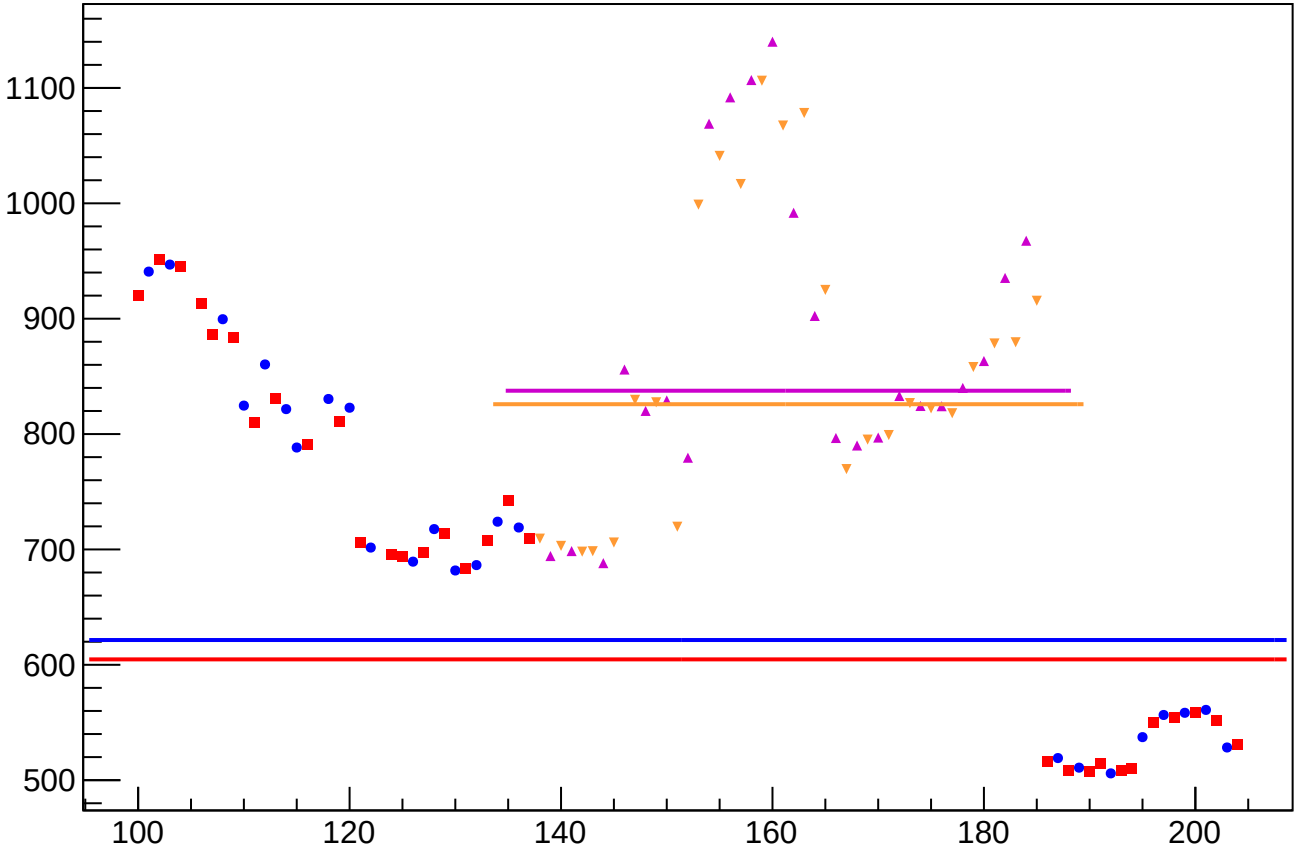
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 2.138+/-0.128 χ^2/NDF: 1799.7/48

All: 0.114+/-0.089 χ^2/NDF: 4246.1/101

- sign -1.742+/-0.123 χ^2/NDF: 1970.8/52

diff_bpm2i01X_rms vs Slug



Right In: 621.484+/-0.123 χ^2/NDF: 1058559.3/23

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 604.702+/-0.111 χ^2/NDF: 1278844.4/29

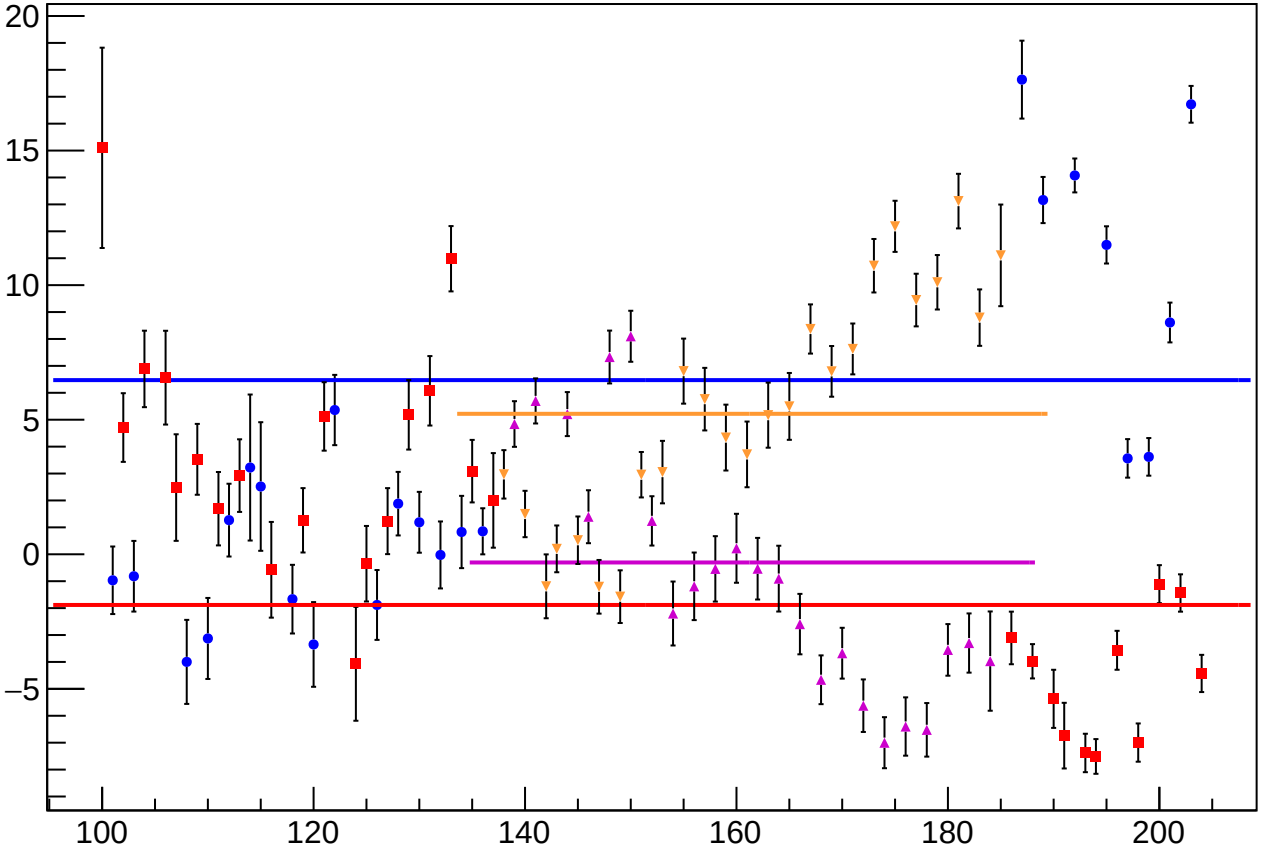
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 714.880+/-0.091 χ^2/NDF: 3079672.7/48

All: 704.238+/-0.063 χ^2/NDF: 6795996.3/101

- sign 694.478+/-0.087 χ^2/NDF: 3690017.0/52

diff_bpm2i01Y_mean vs Slug



Right In: 6.471+/-0.206 χ^2/NDF: 1002.7/23

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -1.883+/-0.186 χ^2/NDF: 647.0/29

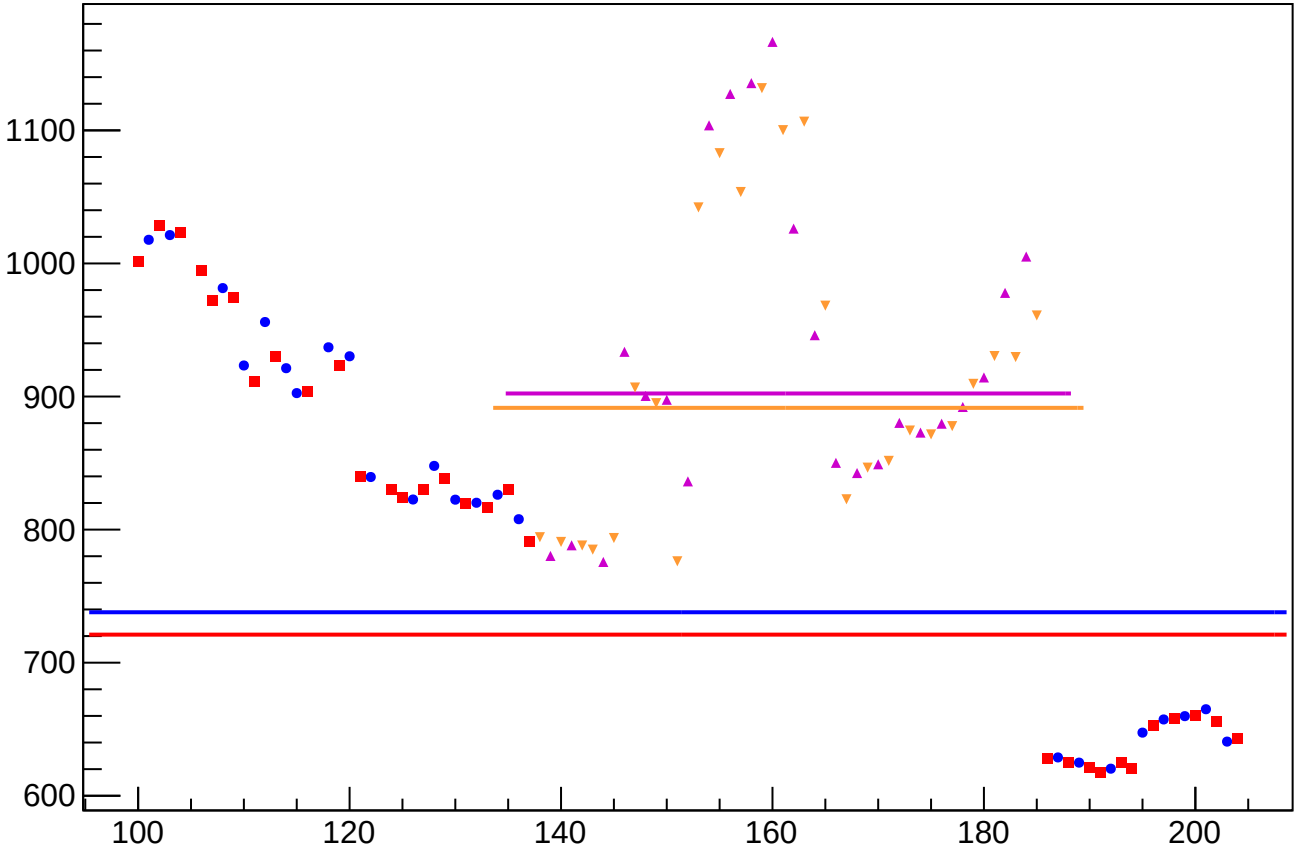
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 5.841+/-0.145 χ^2/NDF: 1471.2/48

All: 2.198+/-0.101 χ^2/NDF: 3863.8/101

- sign -1.198+/-0.140 χ^2/NDF: 1173.5/52

diff_bpm2i01Y_rms vs Slug



Right In: 737.897+/-0.146 χ^2/NDF: 761028.3/23

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 721.082+/-0.132 χ^2/NDF: 921589.4/29

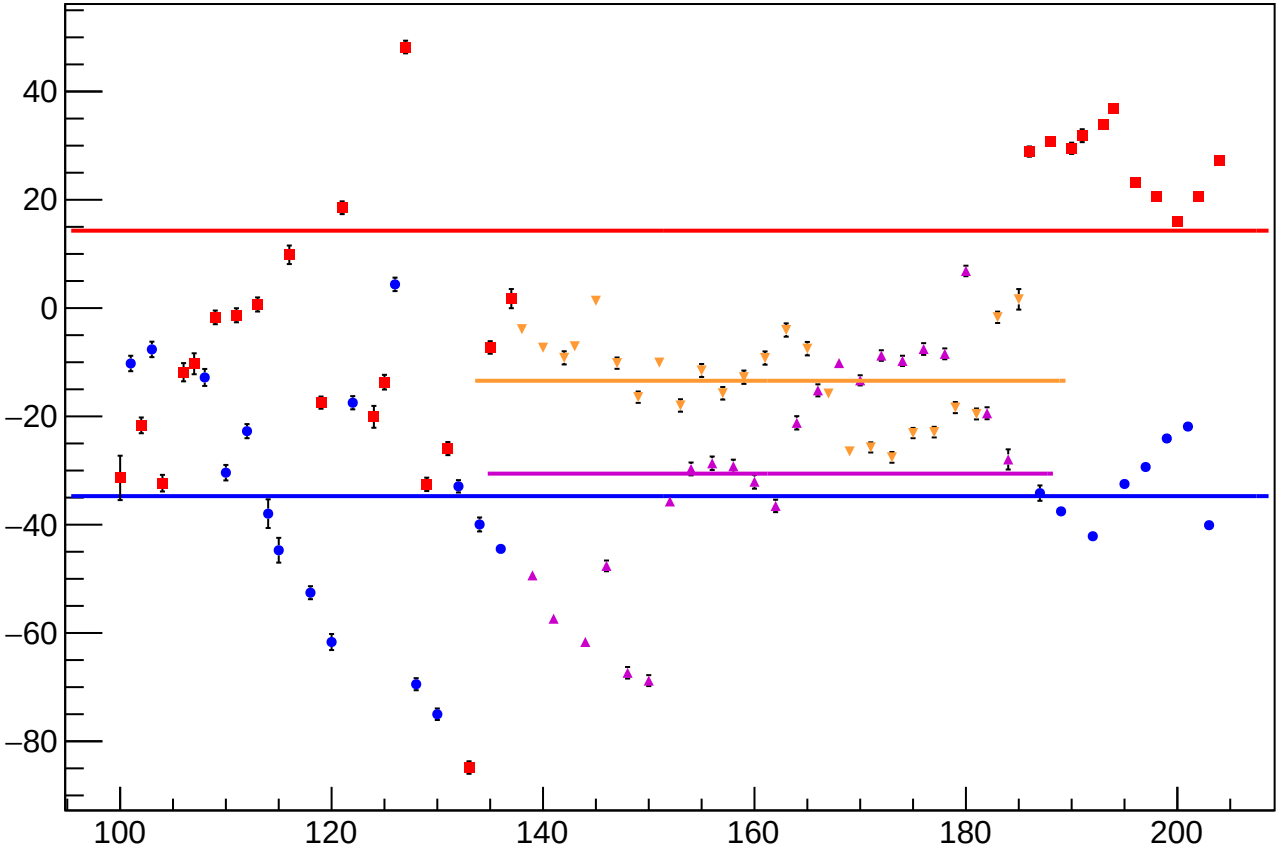
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 815.238+/-0.103 χ^2/NDF: 1839652.5/48

All: 807.179+/-0.071 χ^2/NDF: 4080560.6/101

- sign 799.664+/-0.099 χ^2/NDF: 2228971.5/52

diff_bpm2i02X_mean vs Slug



Right In: -34.727+/-0.202 χ^2/NDF: 6069.9/23

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 14.296+/-0.183 χ^2/NDF: 19282.4/29

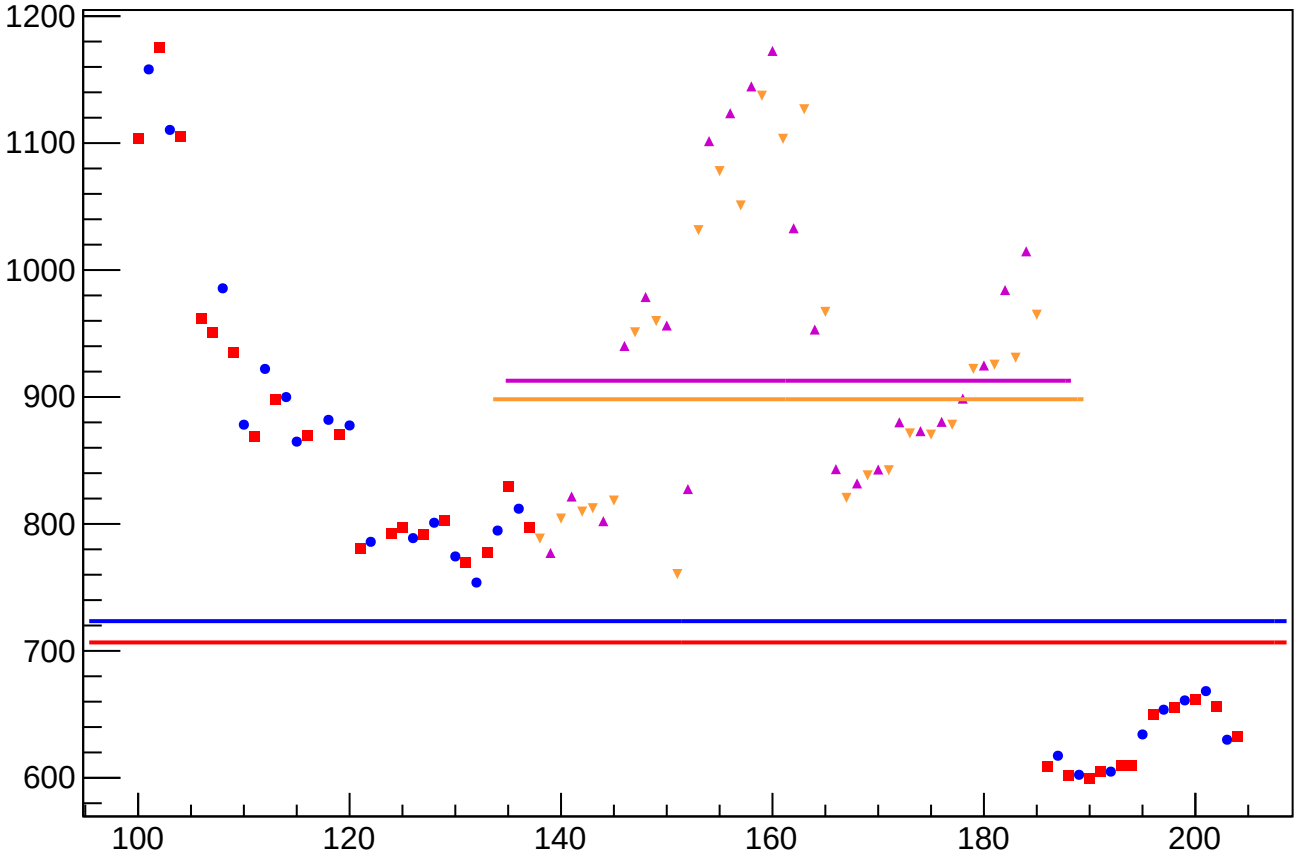
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -24.278+/-0.144 χ^2/NDF: 13187.4/48

All: -14.027+/-0.100 χ^2/NDF: 77898.3/101

- sign -4.479+/-0.139 χ^2/NDF: 54954.1/52

diff_bpm2i02X_rms vs Slug



Right In: 723.432+/-0.143 χ^2/NDF: 832618.7/23

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 706.662+/-0.129 χ^2/NDF: 988255.2/29

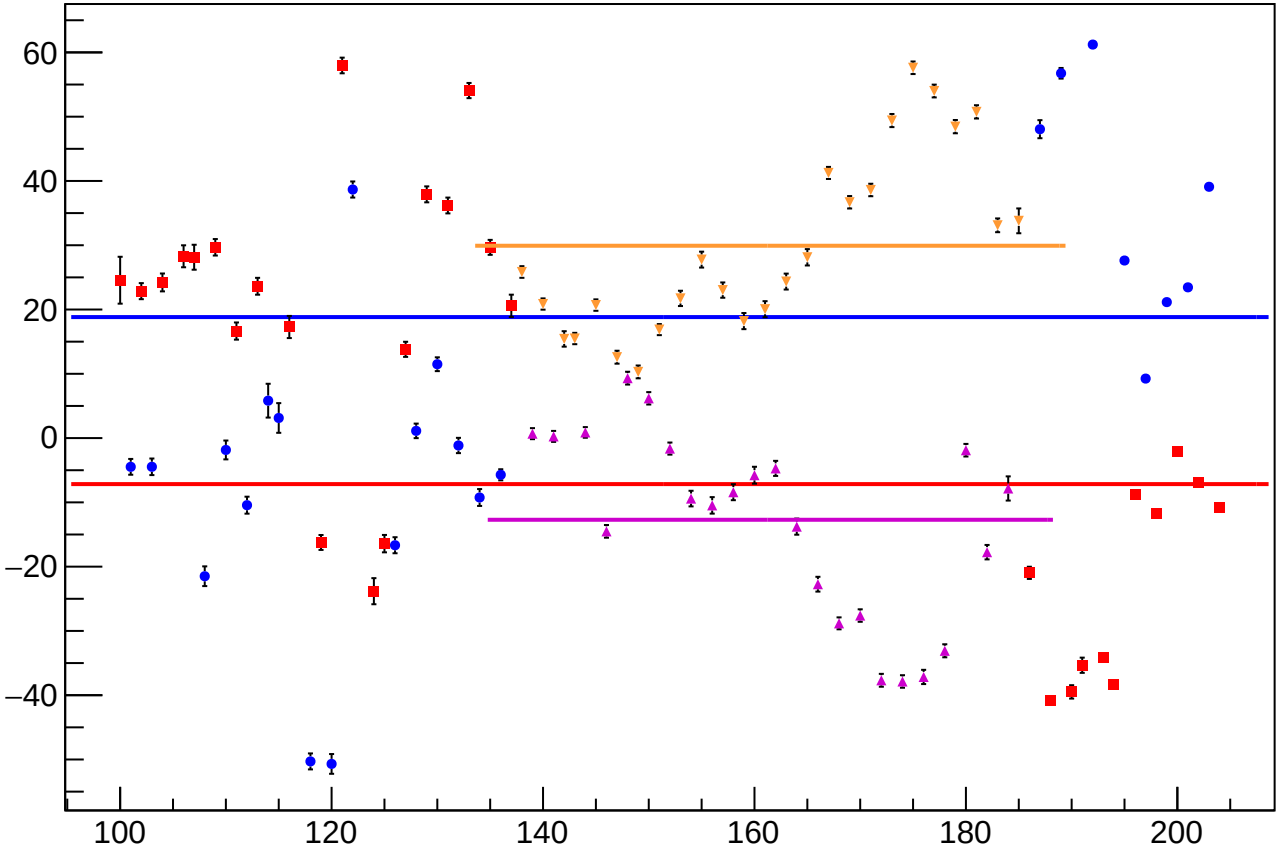
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 809.154+/-0.102 χ^2/NDF: 2085112.7/48

All: 800.754+/-0.071 χ^2/NDF: 4634105.7/101

- sign 792.930+/-0.098 χ^2/NDF: 2535890.2/52

diff_bpm2i02Y_mean vs Slug



Right In: 18.824+/-0.200 χ^2/NDF: 18950.8/23

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -7.158+/-0.181 χ^2/NDF: 22634.0/29

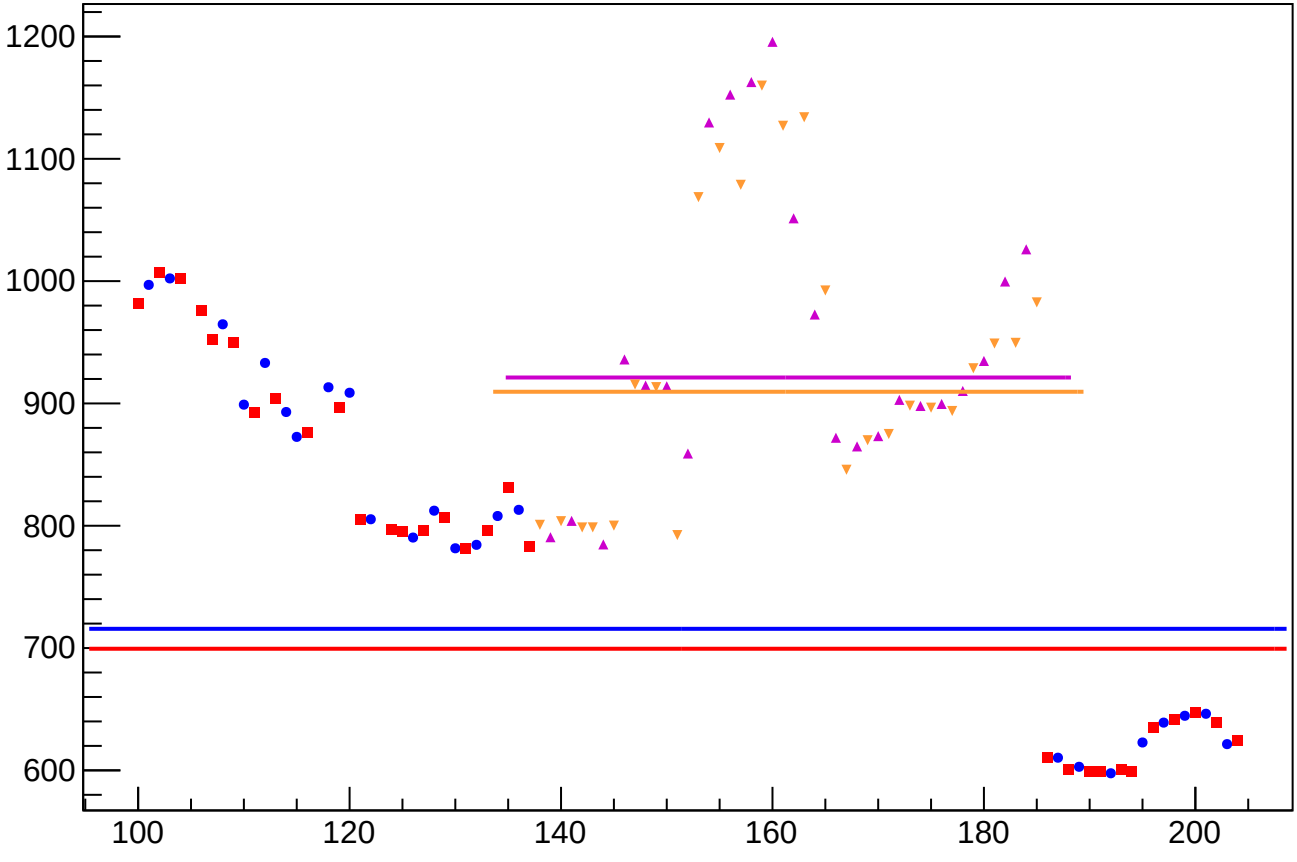
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 24.133+/-0.144 χ^2/NDF: 25008.2/48

All: 6.710+/-0.100 χ^2/NDF: 80921.4/101

- sign -9.427+/-0.139 χ^2/NDF: 27811.5/52

diff_bpm2i02Y_rms vs Slug



Right In: 715.724+/-0.141 χ^2/NDF: 792179.7/23

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 699.430+/-0.128 χ^2/NDF: 949690.8/29

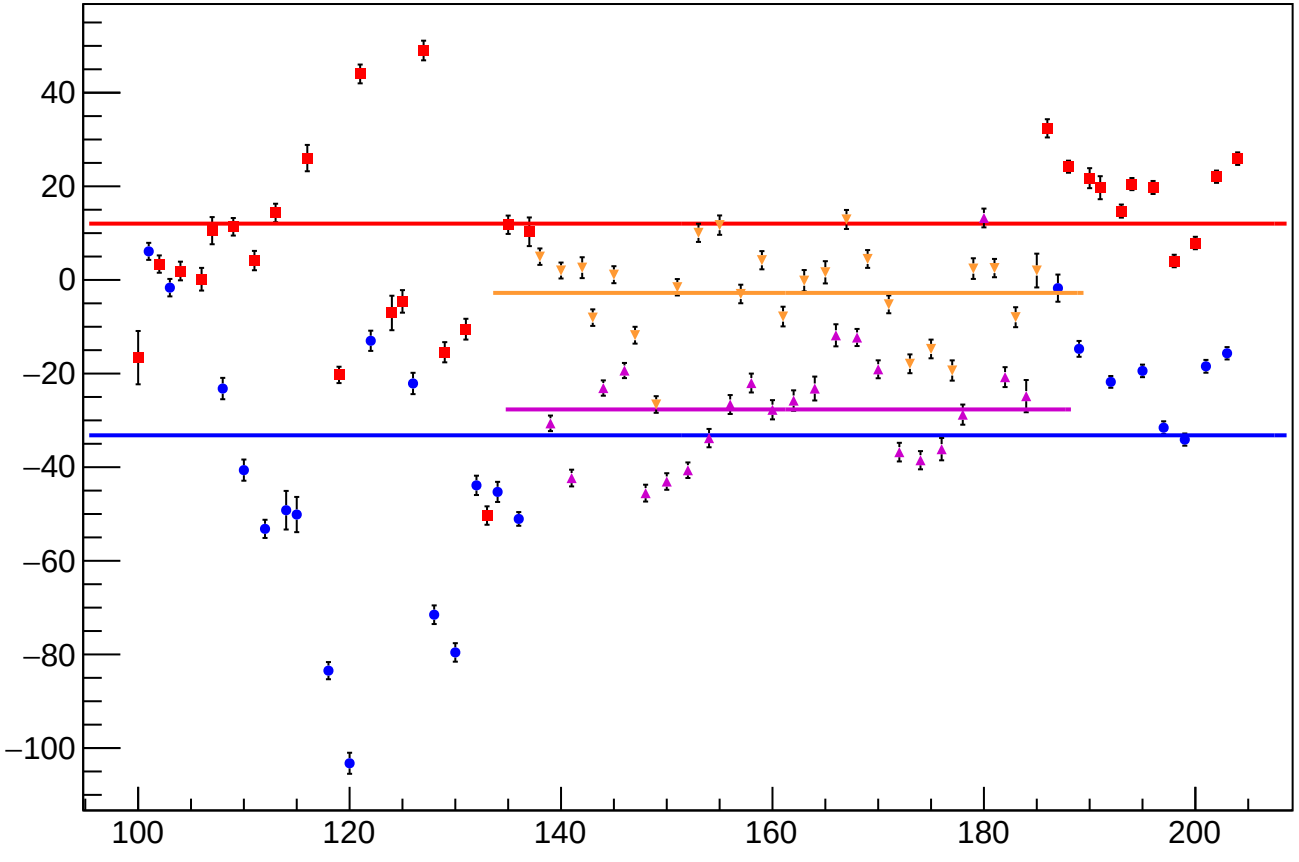
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 808.446+/-0.102 χ^2/NDF: 2234986.1/48

All: 798.910+/-0.071 χ^2/NDF: 4932430.0/101

- sign 790.079+/-0.098 χ^2/NDF: 2680609.7/52

diff_bpm0i02X_mean vs Slug



Right In: -33.191+/-0.363 χ^2/NDF: 4603.8/23

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 12.030+/-0.333 χ^2/NDF: 2905.6/29

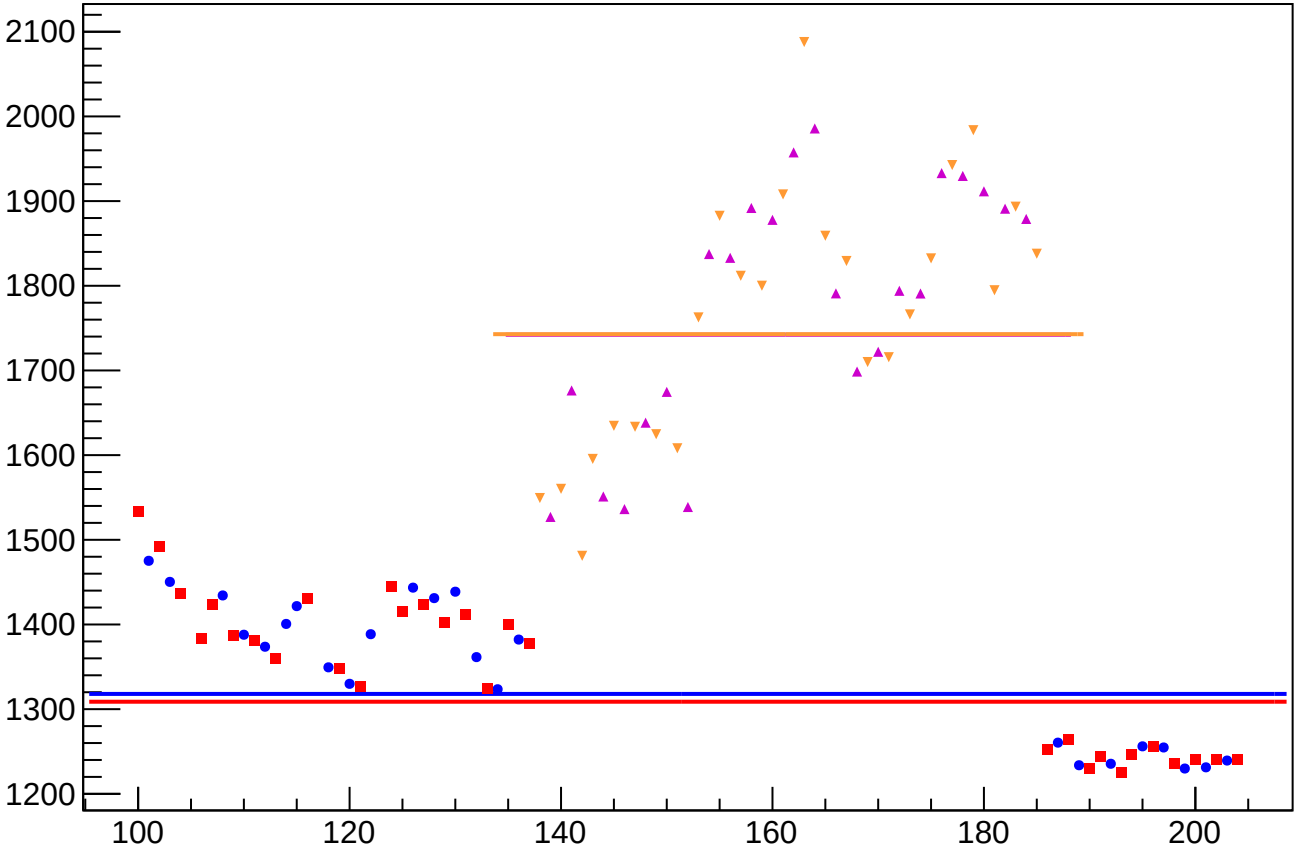
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

\+ sign -19.356+/-0.268 χ^2/NDF: 8415.4/48

All: -11.304+/-0.186 χ^2/NDF: 19716.6/101

\- sign -3.824+/-0.258 χ^2/NDF: 9559.8/52

diff_bpm0i02X_rms vs Slug



Right In: 1317.999+/-0.257 χ^2/NDF: 110810.1/23

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1308.788+/-0.236 χ^2/NDF: 119129.2/29

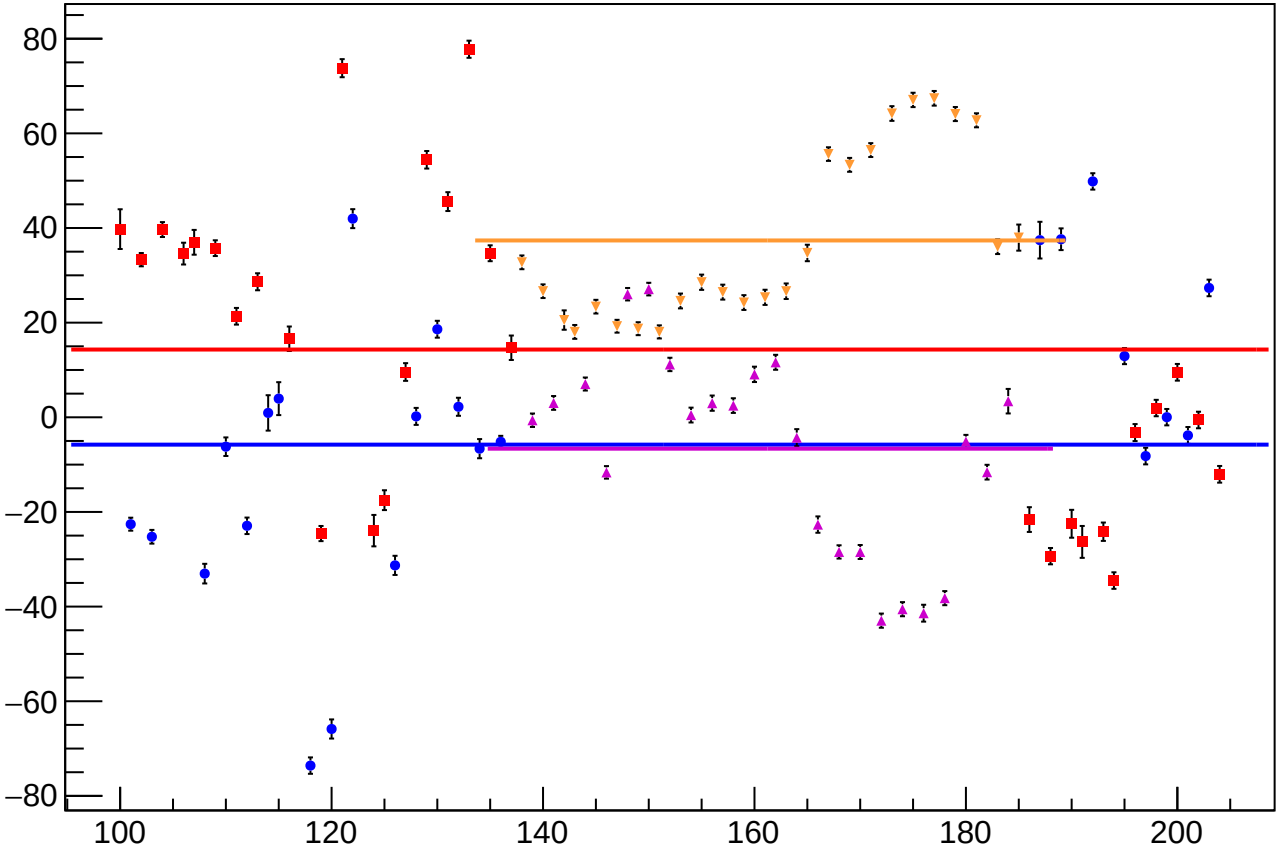
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1511.194+/-0.189 χ^2/NDF: 1620191.9/48

All: 1495.996+/-0.132 χ^2/NDF: 3363712.9/10

- sign 1481.876+/-0.183 χ^2/NDF: 1731113.3/52

diff_bpm0i02Y_mean vs Slug



Right In: -5.778+/-0.376 χ^2/NDF: 5977.6/23

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 14.318+/-0.355 χ^2/NDF: 7650.4/29

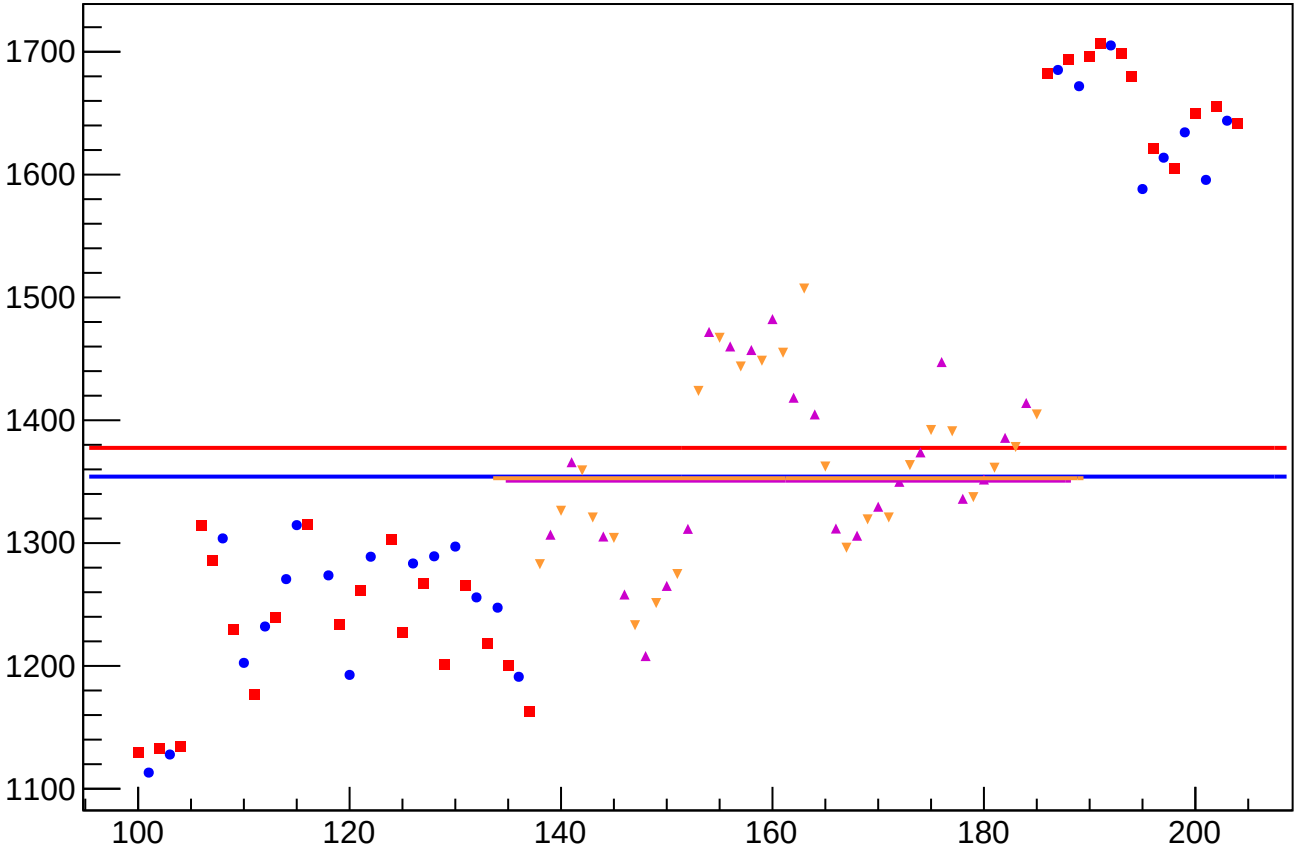
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 20.068+/-0.238 χ^2/NDF: 17249.4/48

All: 11.271+/-0.168 χ^2/NDF: 33954.9/101

- sign 2.646+/-0.236 χ^2/NDF: 14006.2/52

diff_bpm0i02Y_rms vs Slug



Right In: 1354.129+/-0.266 χ^2/NDF: 566064.8/23

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1377.512+/-0.251 χ^2/NDF: 757508.0/29

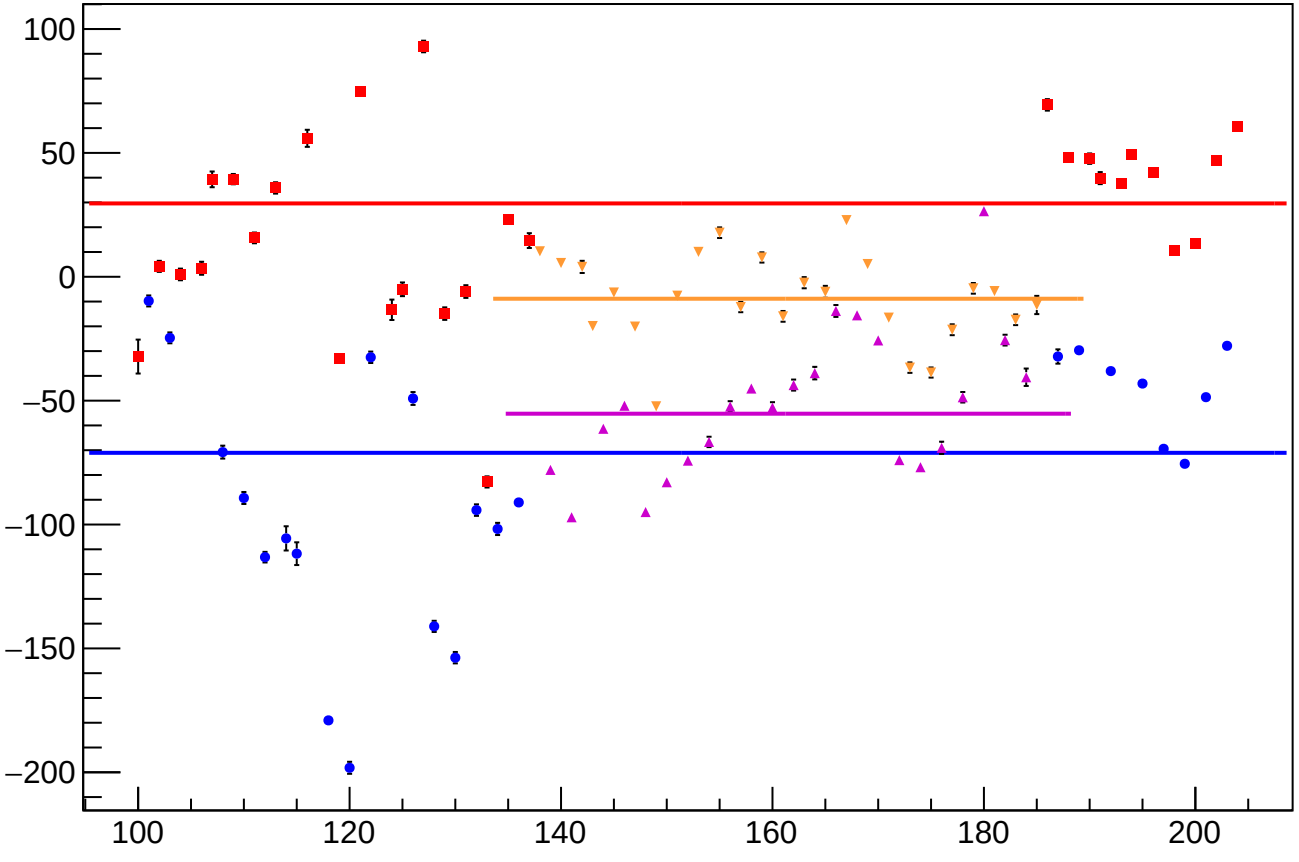
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1353.345+/-0.168 χ^2/NDF: 670924.6/48

All: 1358.041+/-0.119 χ^2/NDF: 1544901.1/10

- sign 1362.645+/-0.167 χ^2/NDF: 872437.9/52

diff_bpm0i02aX_mean vs Slug



Right In: -71.054+/-0.401 χ^2/NDF: 13205.9/23

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 29.608+/-0.366 χ^2/NDF: 7825.1/29

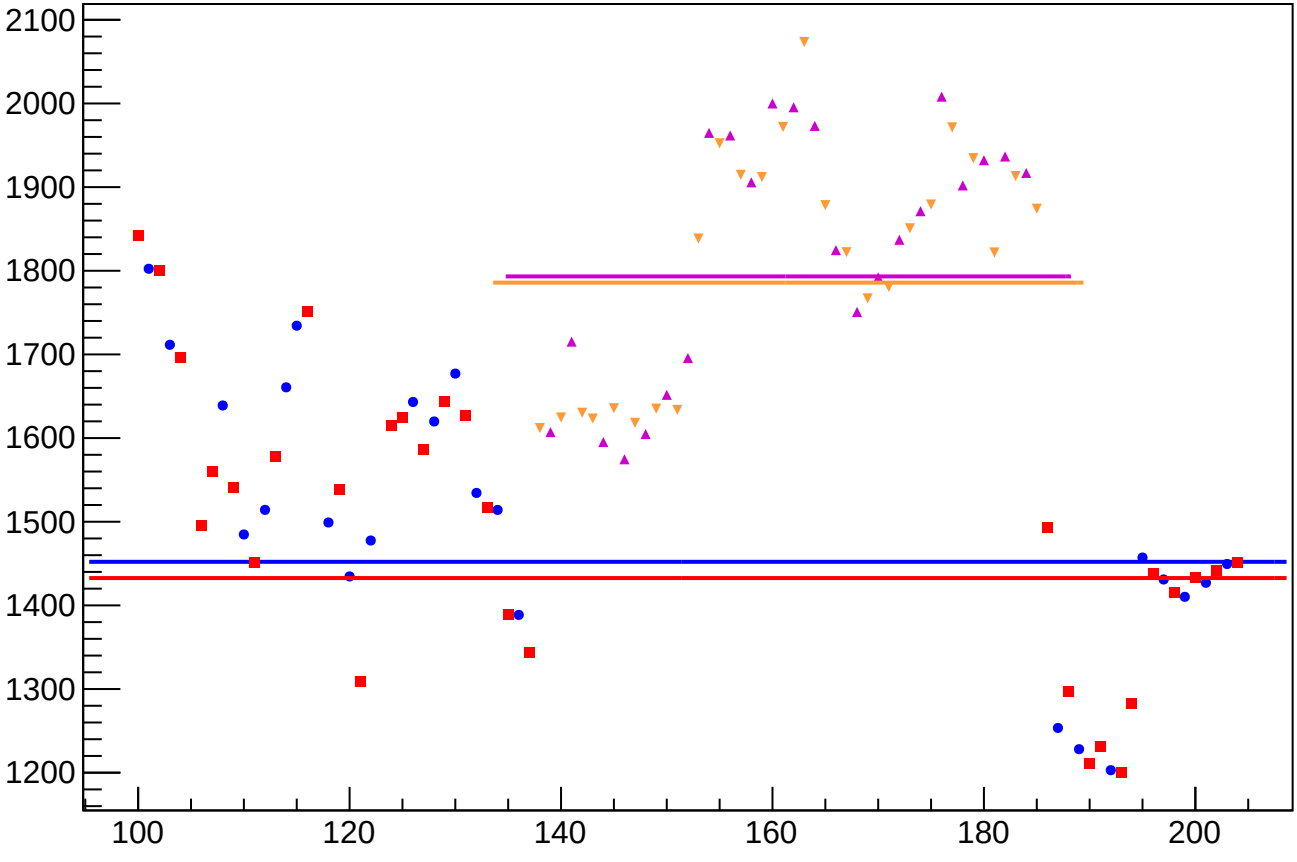
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

\+ sign -40.414+/-0.286 χ^2/NDF: 26996.4/48

All: -23.130+/-0.199 χ^2/NDF: 69802.3/101

\- sign -6.995+/-0.276 χ^2/NDF: 35733.8/52

diff_bpm0i02aX_rms vs Slug



Right In: 1452.081+/-0.284 χ^2/NDF: 281459.4/23

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1432.670+/-0.259 χ^2/NDF: 330247.3/29

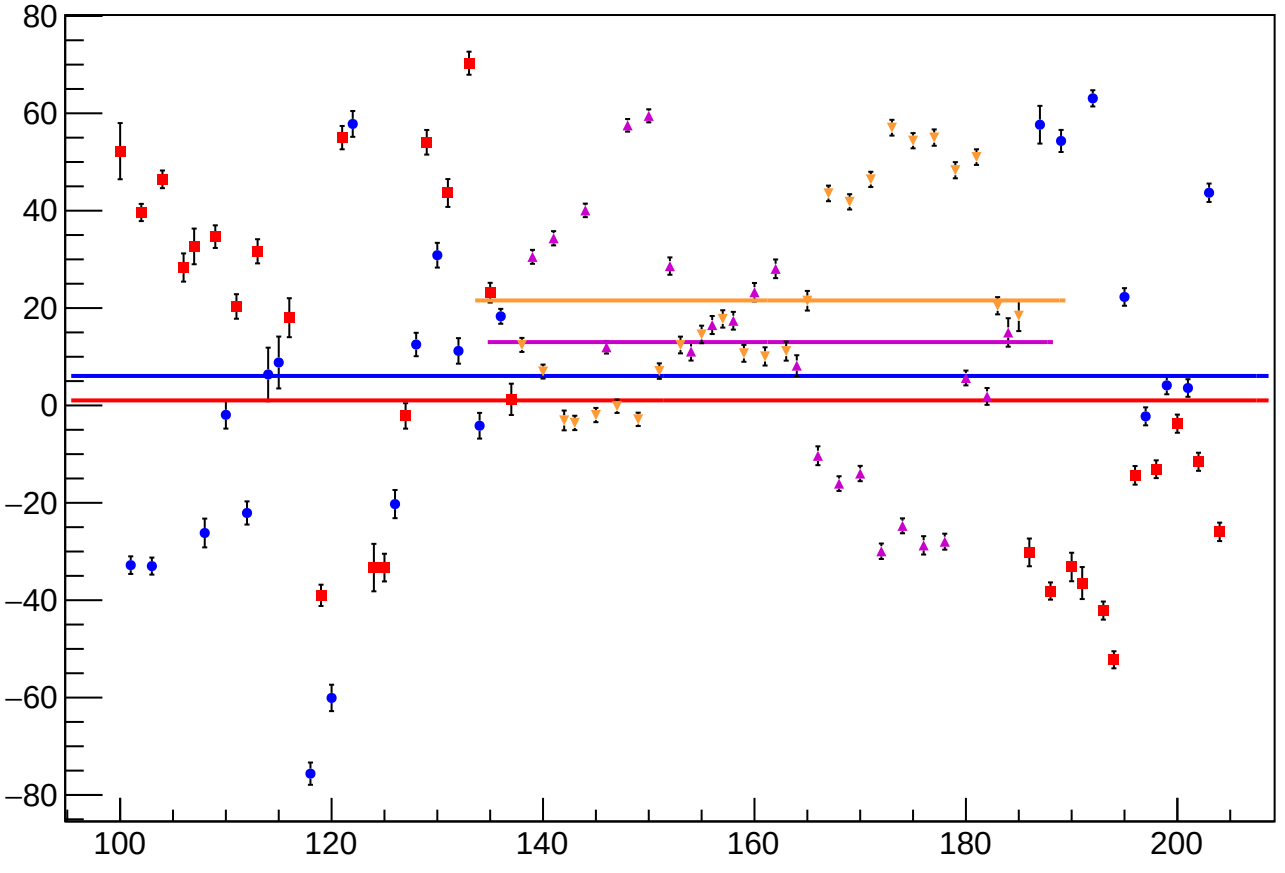
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1616.503+/-0.202 χ^2/NDF: 1200458.2/48

All: 1601.851+/-0.140 χ^2/NDF: 2630143.8/10

- sign 1588.173+/-0.195 χ^2/NDF: 1419521.0/52

diff_bpm0i02aY_mean vs Slug



Right In: 6.058+/-0.454 χ^2/NDF: 6047.6/23

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 1.037+/-0.422 χ^2/NDF: 7178.2/29

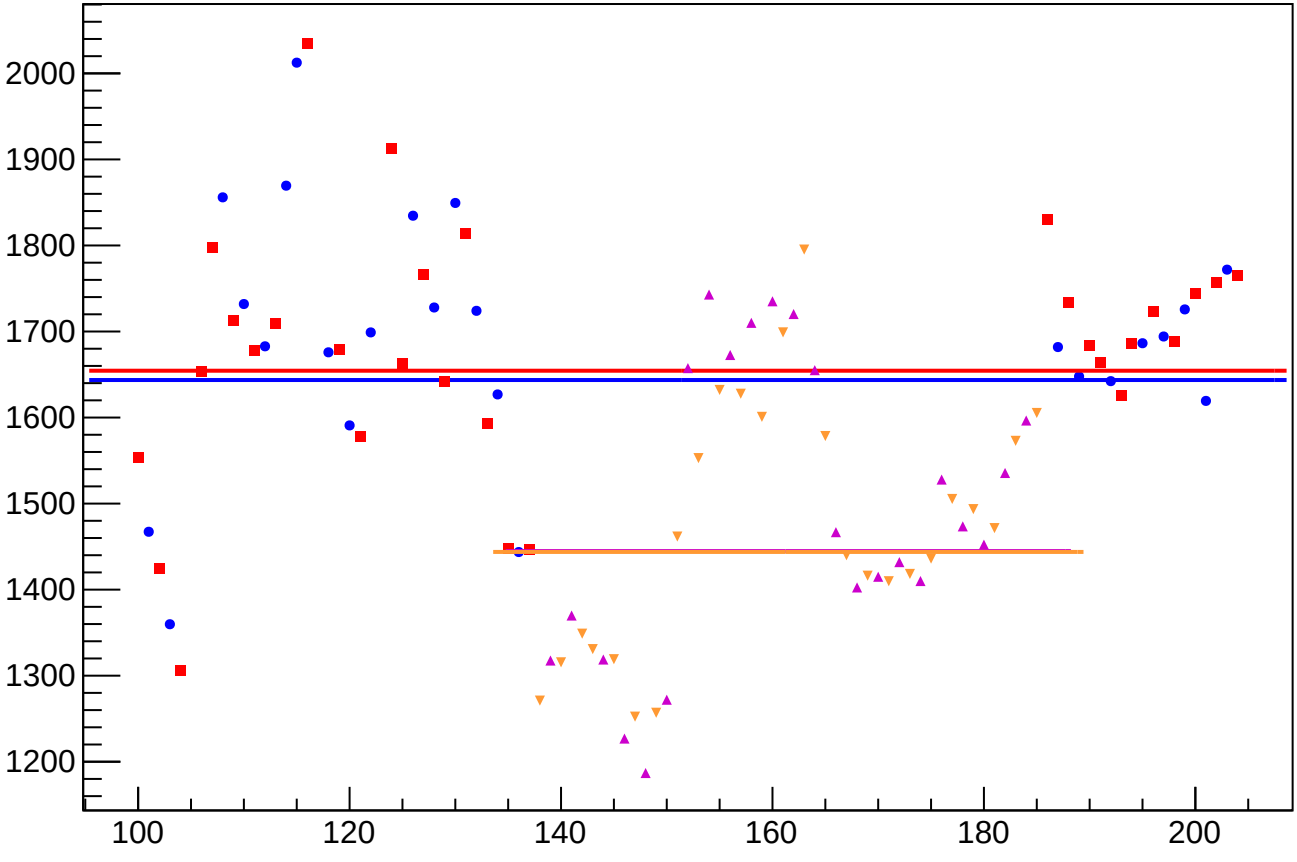
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 16.205+/-0.267 χ^2/NDF: 10972.3/48

All: 12.225+/-0.188 χ^2/NDF: 25707.2/101

- sign 8.304+/-0.265 χ^2/NDF: 14293.3/52

diff_bpm0i02aY_rms vs Slug



Right In: 1643.614+/-0.321 χ^2/NDF: 176270.8/23

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1654.438+/-0.299 χ^2/NDF: 214170.5/29

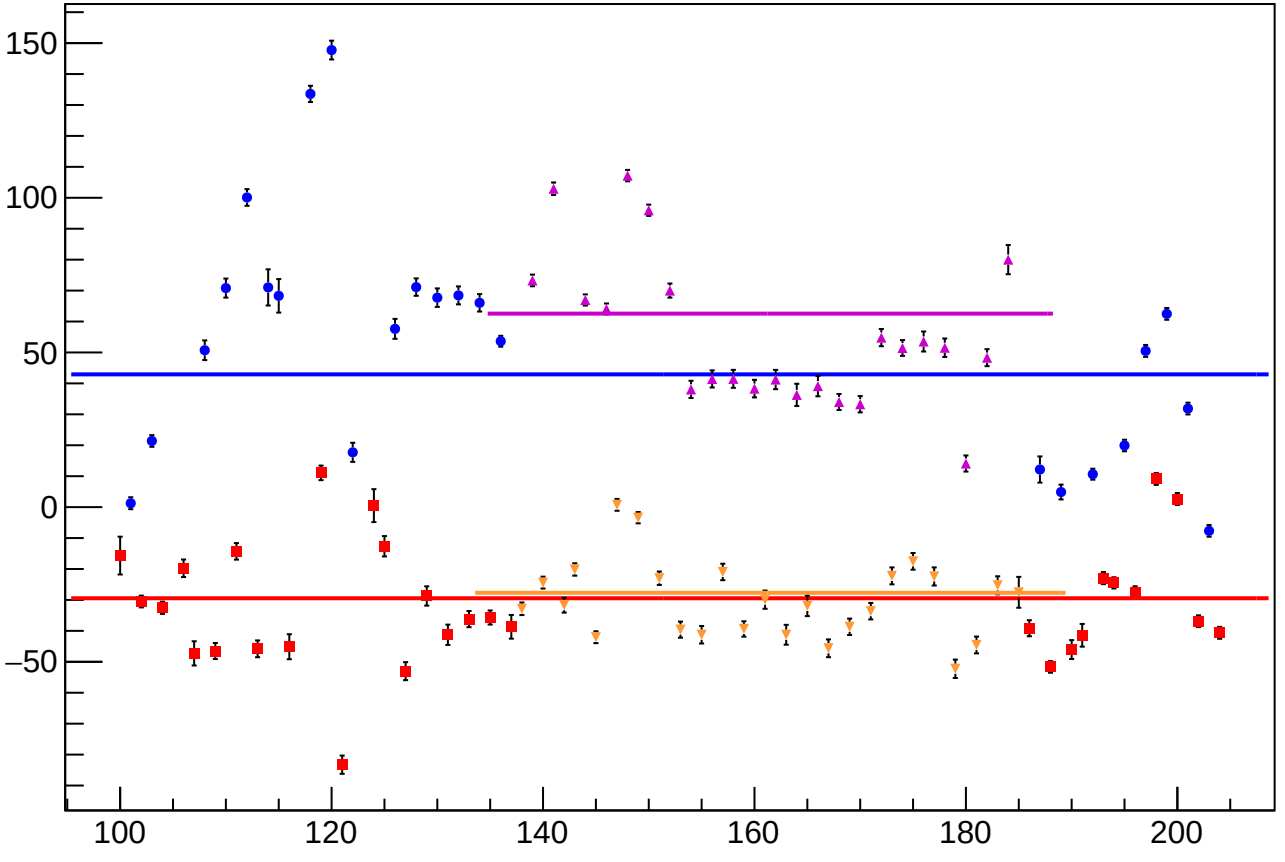
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1512.896+/-0.189 χ^2/NDF: 782226.4/48

All: 1520.126+/-0.133 χ^2/NDF: 1783431.8/10

- sign 1527.247+/-0.187 χ^2/NDF: 998291.7/52

diff_bpm0i05X_mean vs Slug



Right In: 42.916+/-0.491 χ^2/NDF: 5657.3/23

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -29.456+/-0.452 χ^2/NDF: 1890.3/29

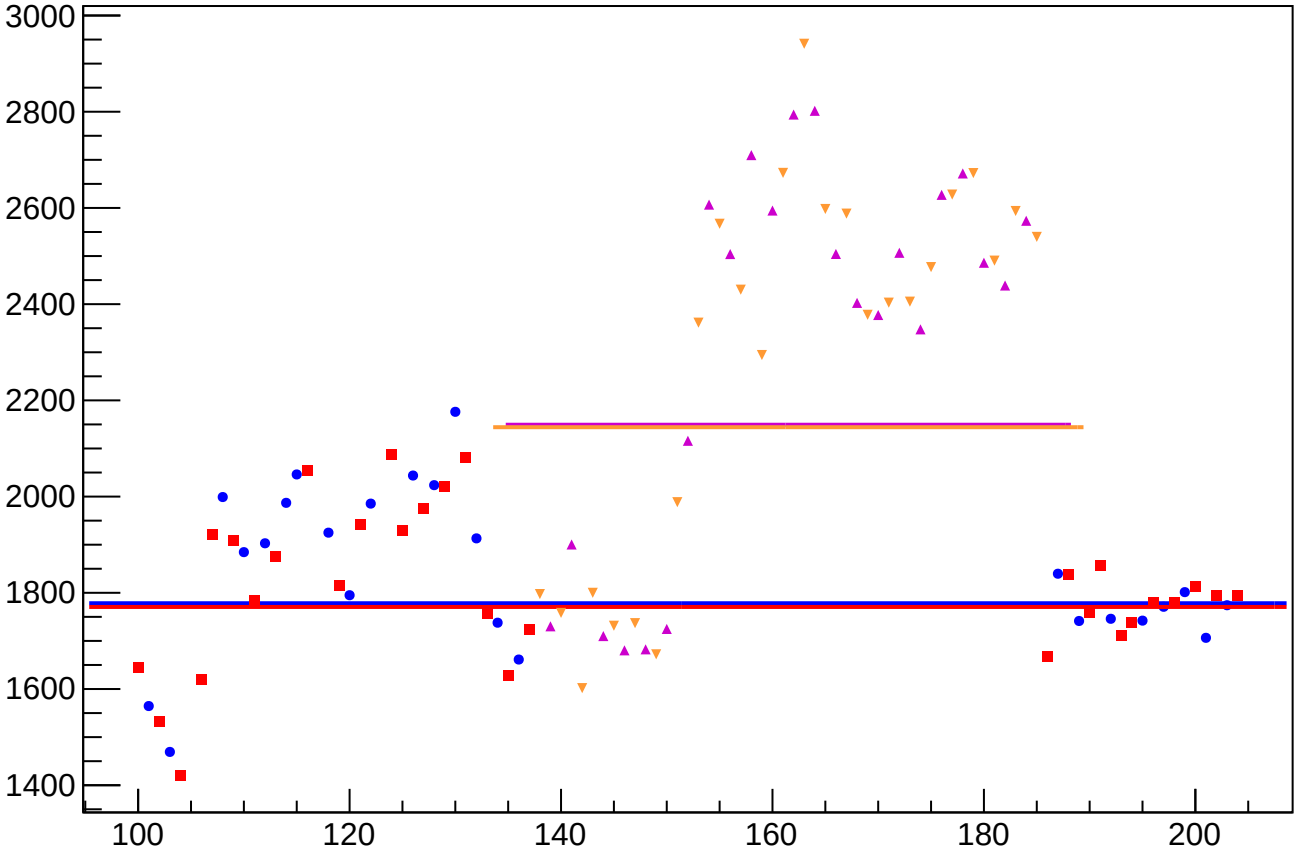
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 7.968+/-0.349 χ^2/NDF: 16657.0/48

All: 9.449+/-0.243 χ^2/NDF: 39210.0/101

- sign 10.843+/-0.339 χ^2/NDF: 22518.1/52

diff_bpm0i05X_rms vs Slug



Right In: 1778.300+/-0.347 χ^2/NDF: 200148.2/23

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1770.591+/-0.319 χ^2/NDF: 201054.1/29

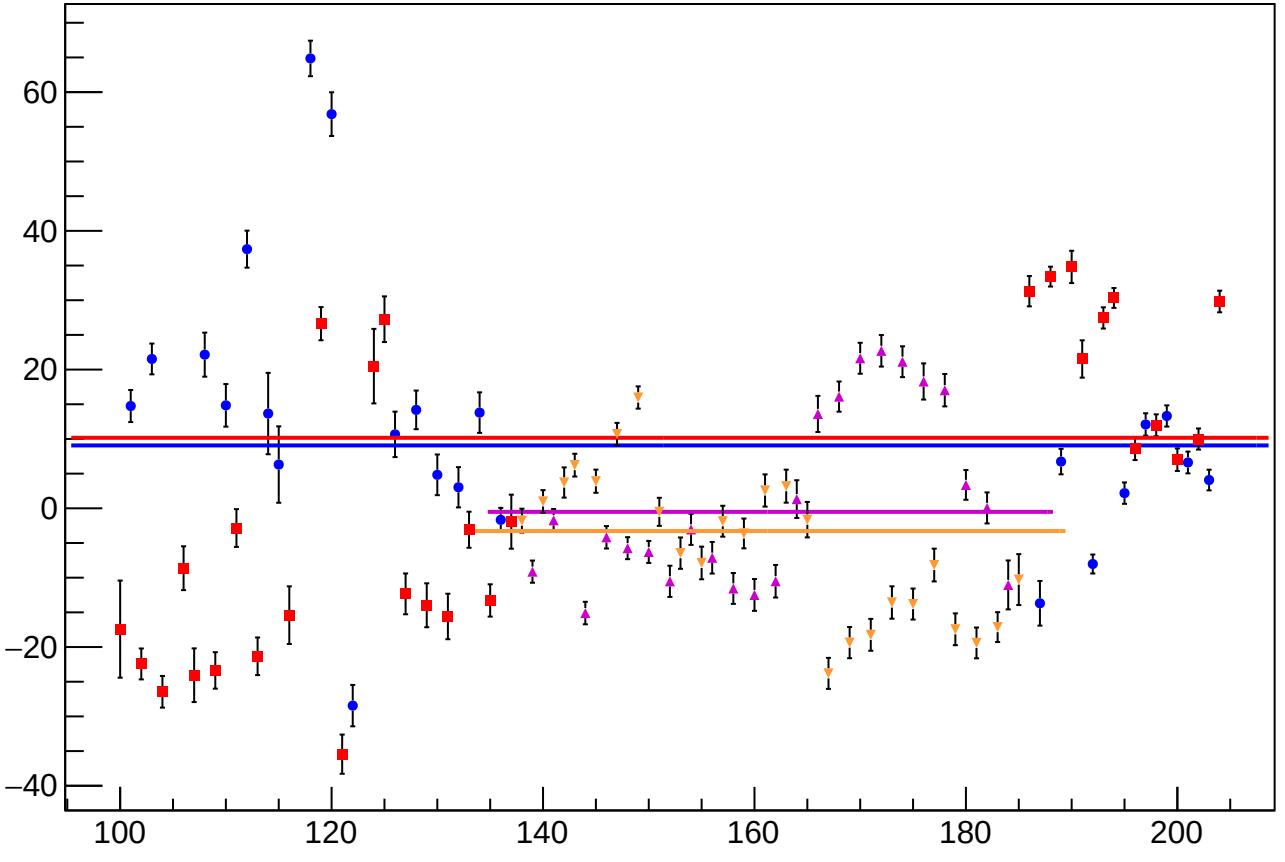
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1959.411+/-0.247 χ^2/NDF: 2029698.8/48

All: 1947.601+/-0.172 χ^2/NDF: 4116684.8/10

- sign 1936.478+/-0.239 χ^2/NDF: 2082537.6/52

diff_bpm0i05Y_mean vs Slug



Right In: 9.065+/-0.443 χ^2/NDF: 1337.2/23

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 10.166+/-0.404 χ^2/NDF: 2590.2/29

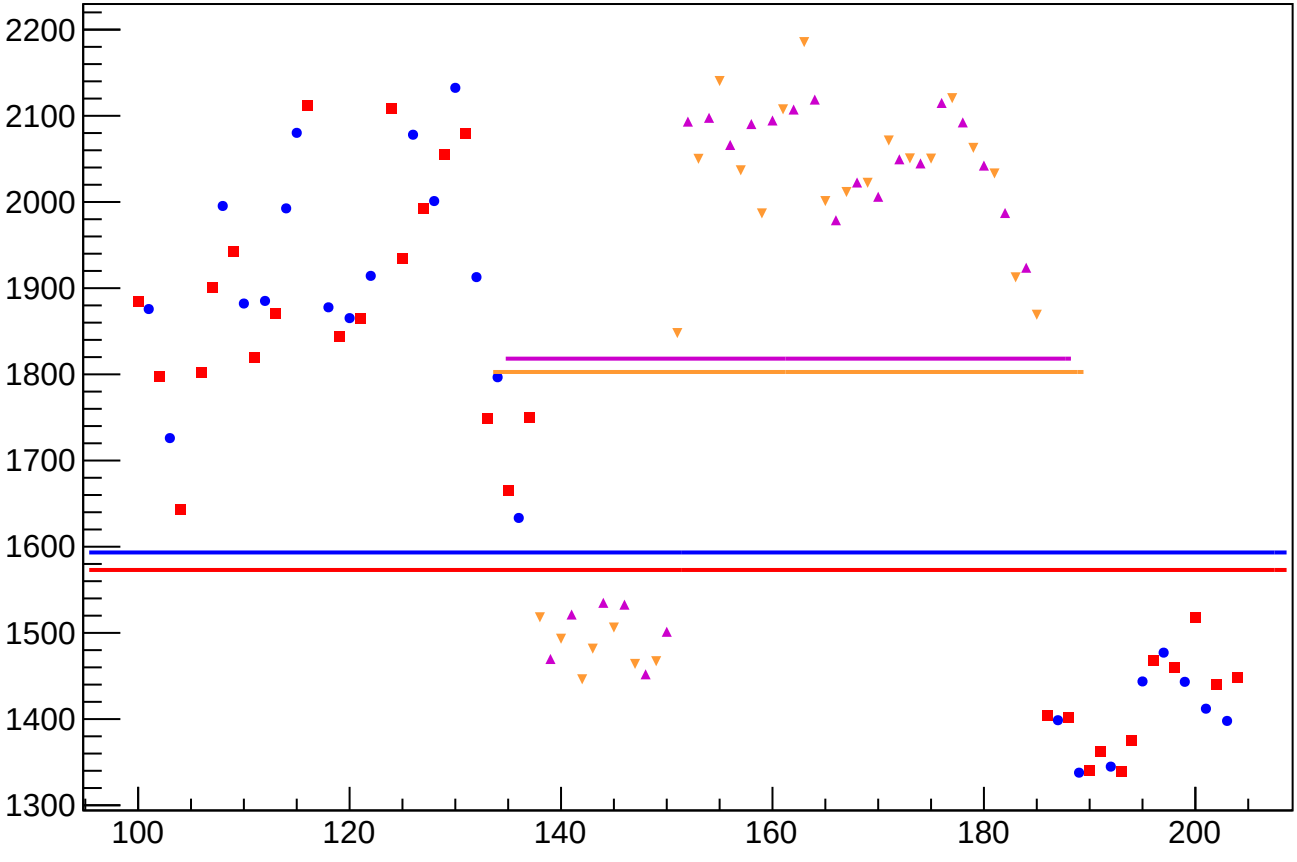
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 2.483+/-0.303 χ^2/NDF: 2421.6/48

All: 3.857+/-0.211 χ^2/NDF: 6125.2/101

- sign 5.156+/-0.294 χ^2/NDF: 3663.6/52

diff_bpm0i05Y_rms vs Slug



Right In: 1593.325+/-0.313 χ^2/NDF: 609184.0/23

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1573.019+/-0.286 χ^2/NDF: 612820.9/29

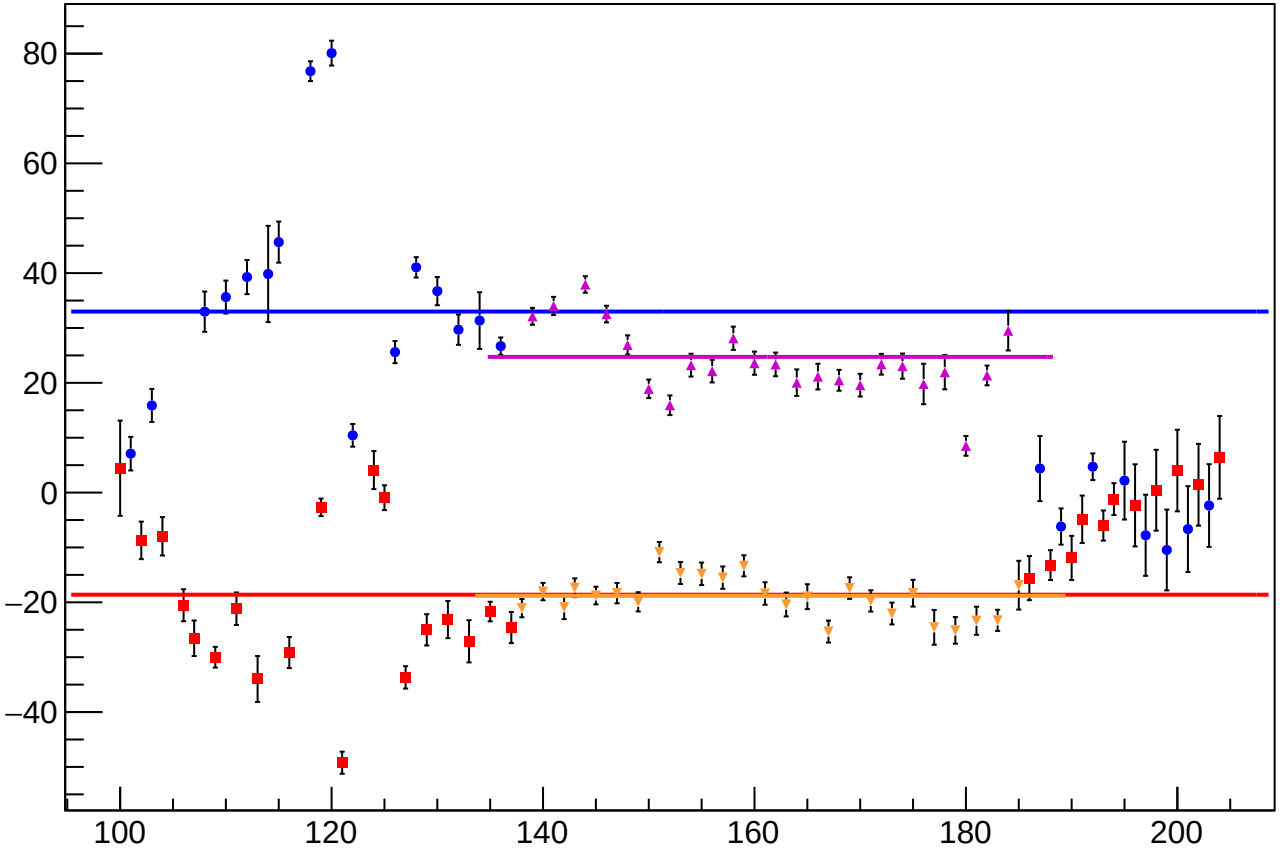
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1705.021+/-0.214 χ^2/NDF: 1744644.1/48

All: 1696.310+/-0.149 χ^2/NDF: 3546583.1/10

- sign 1688.077+/-0.208 χ^2/NDF: 1798719.9/52

diff_bpm0i07X_mean vs Slug



Right In: 32.993+/-0.581 χ^2/NDF: 1742.5/23

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -18.612+/-0.535 χ^2/NDF: 716.8/29

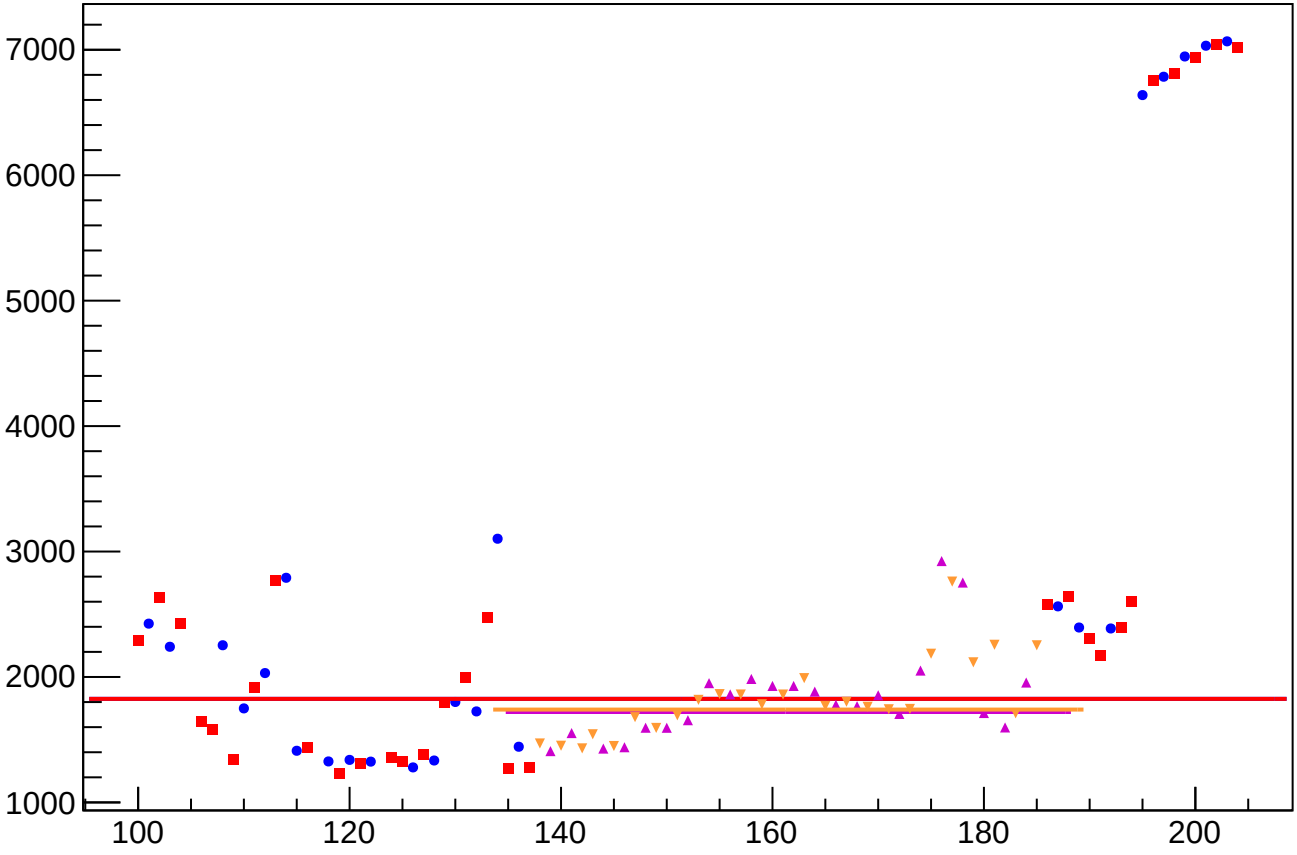
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -2.051+/-0.331 χ^2/NDF: 7194.2/48

All: 3.441+/-0.232 χ^2/NDF: 12909.0/101

\- sign 8.742+/-0.325 χ^2/NDF: 5172.4/52

diff_bpm0i07X_rms vs Slug



Right In: 1825.579+/-0.411 χ^2/NDF: 5929440.9/23

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1825.432+/-0.378 χ^2/NDF: 6619707.6/29

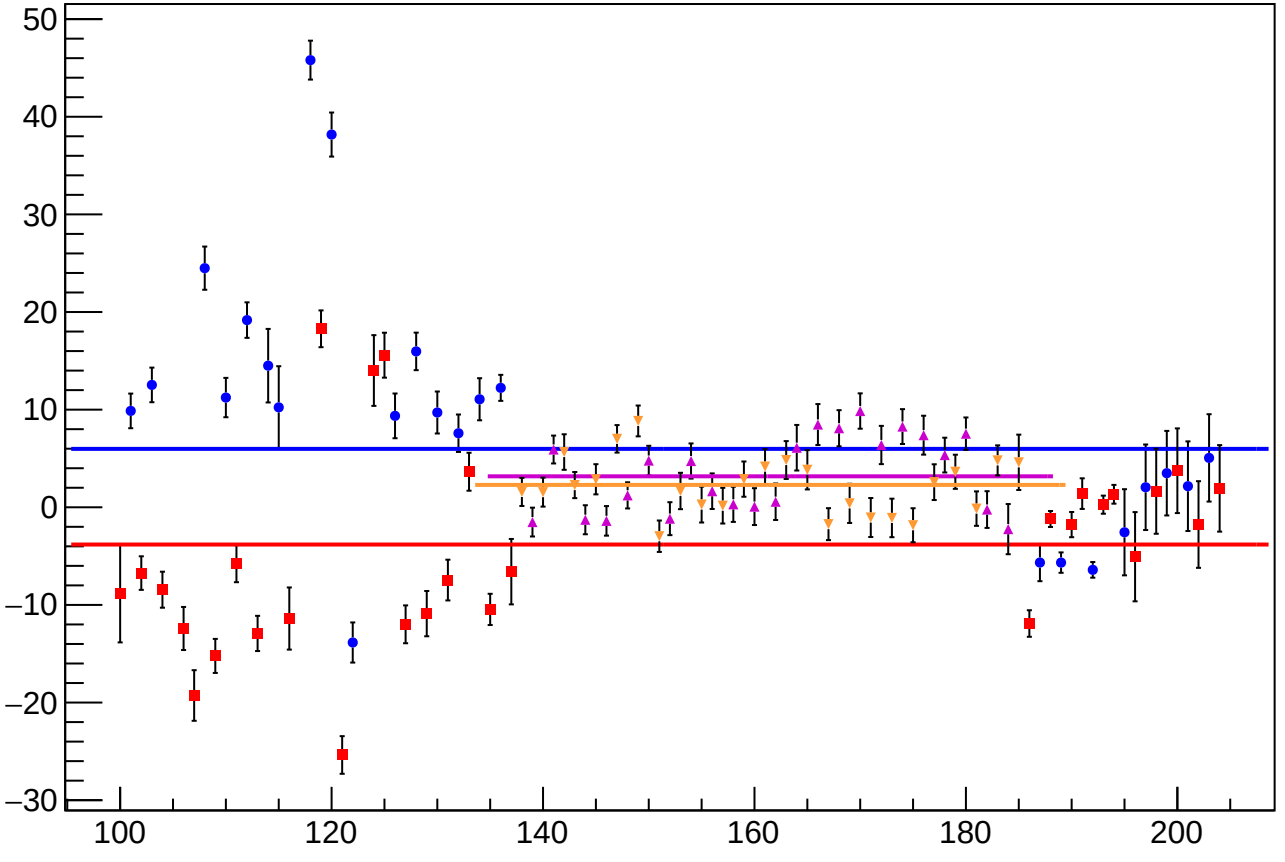
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1767.753+/-0.234 χ^2/NDF: 6712098.5/48

All: 1763.523+/-0.164 χ^2/NDF: 14264721.6/1

- sign 1759.440+/-0.230 χ^2/NDF: 7551979.5/52

diff_bpm0i07Y_mean vs Slug



Right In: 5.983+/-0.380 χ^2/NDF: 1315.7/23

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -3.815+/-0.319 χ^2/NDF: 670.5/29

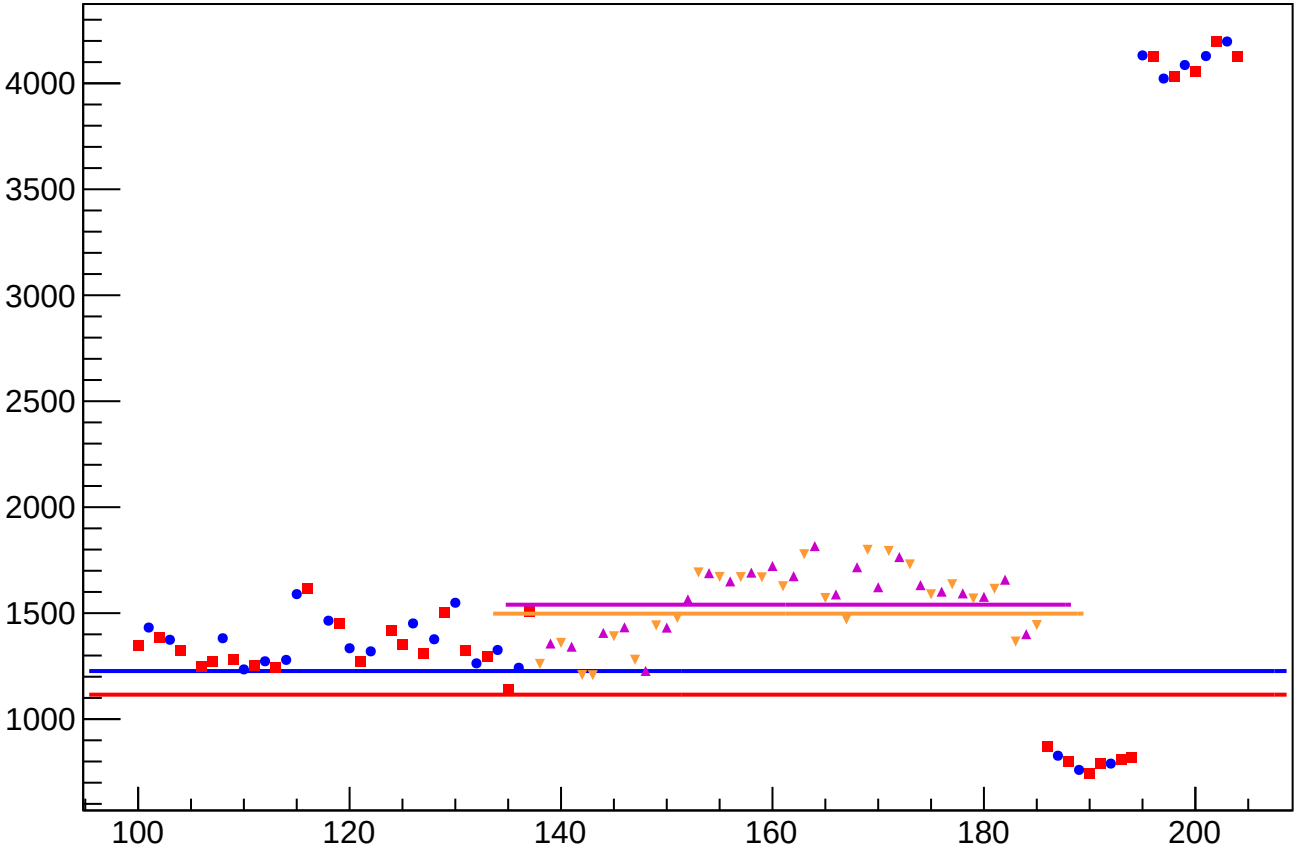
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 3.952+/-0.255 χ^2/NDF: 1441.1/48

All: 1.448+/-0.175 χ^2/NDF: 2613.2/101

- sign -0.764+/-0.239 χ^2/NDF: 990.3/52

diff_bpm0i07Y_rms vs Slug



Right In: 1226.770+/-0.269 χ^2/NDF: 5498947.0/23

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1115.405+/-0.226 χ^2/NDF: 6020429.3/29

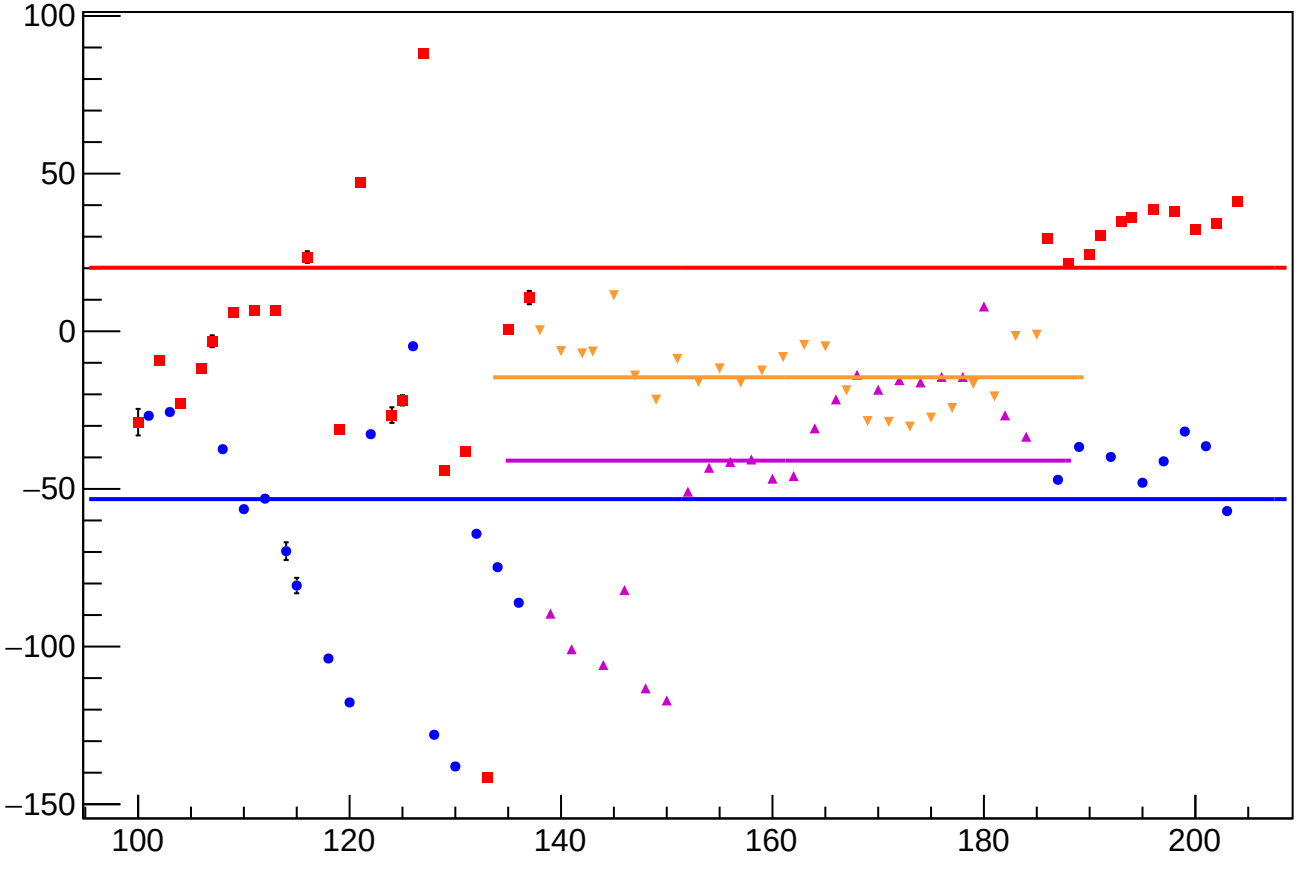
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1375.893+/-0.180 χ^2/NDF: 6627134.9/48

All: 1335.976+/-0.123 χ^2/NDF: 14665987.8/1

- sign 1300.720+/-0.169 χ^2/NDF: 7946427.2/52

diff_bpm1i02X_mean vs Slug



Right In: -53.232+/-0.211 χ^2/NDF: 17756.7/23

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 20.151+/-0.190 χ^2/NDF: 30894.0/29

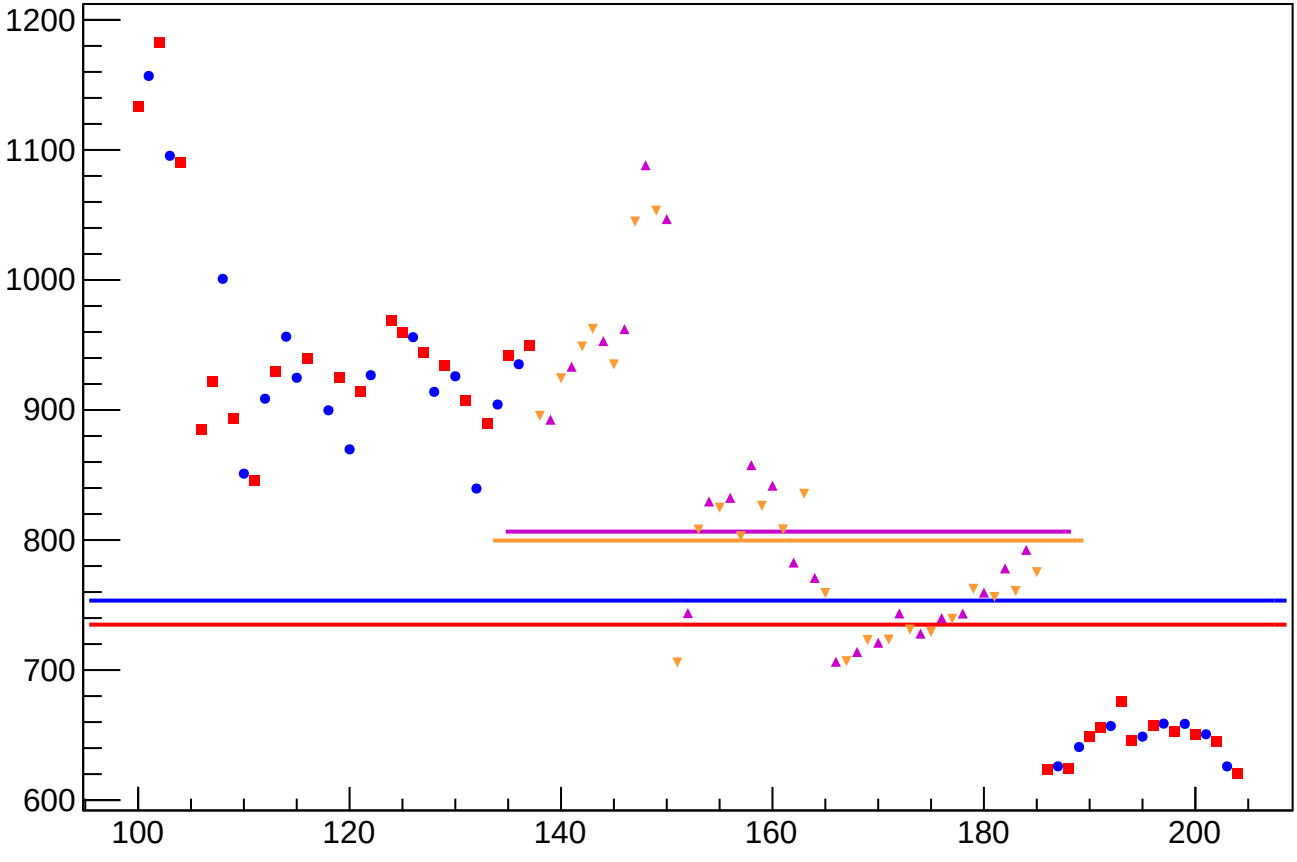
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -31.175+/-0.138 χ^2/NDF: 40051.9/48

All: -20.558+/-0.096 χ^2/NDF: 165284.1/101

- sign -10.524+/-0.134 χ^2/NDF: 113758.8/52

diff_bpm1i02X_rms vs Slug



Right In: 753.440+/-0.149 χ^2/NDF: 978247.8/23

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 734.931+/-0.135 χ^2/NDF: 1144052.1/29

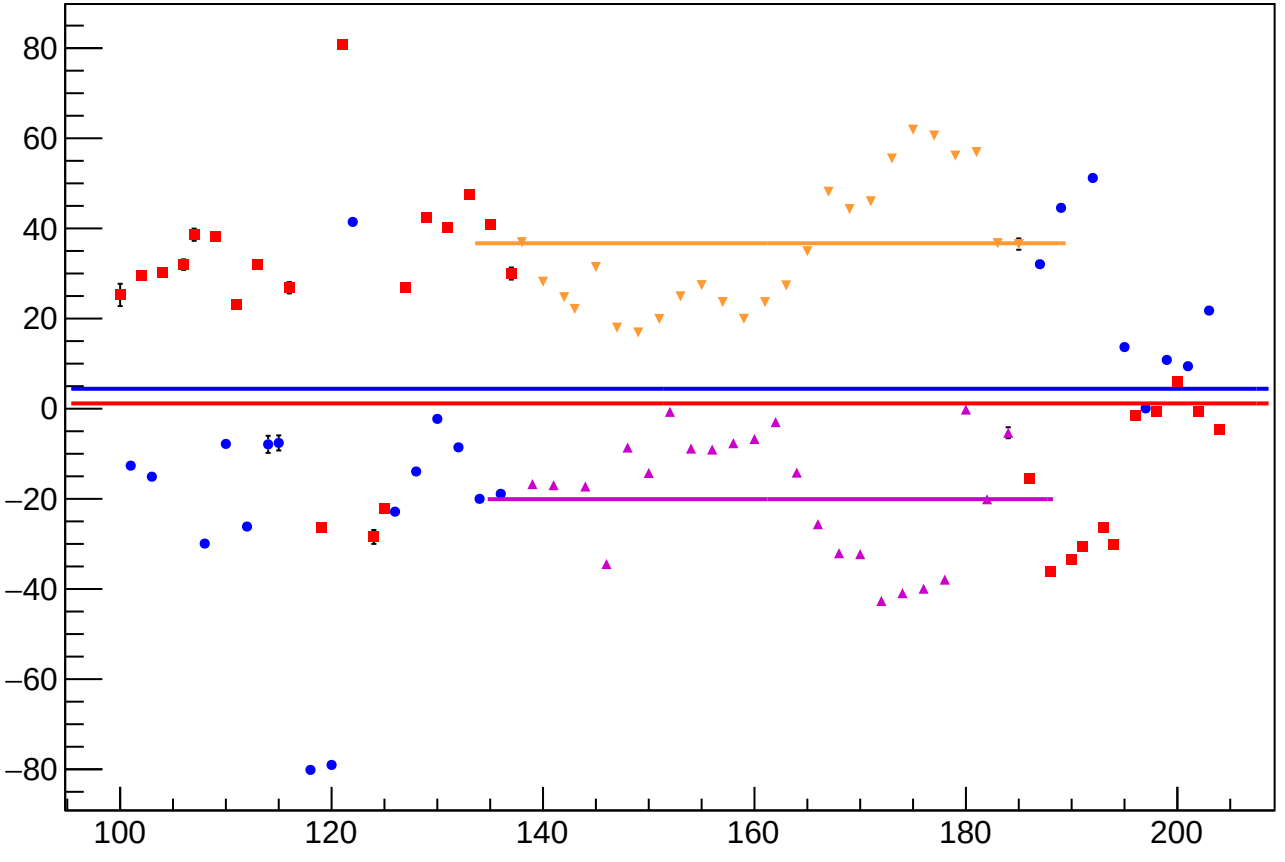
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 779.816+/-0.098 χ^2/NDF: 1530404.7/48

All: 775.186+/-0.068 χ^2/NDF: 3331834.6/101

- sign 770.809+/-0.095 χ^2/NDF: 1797063.9/52

diff_bpm1i02Y_mean vs Slug



Right In: 4.421+/-0.152 χ^2/NDF: 39158.1/23

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 1.175+/-0.138 χ^2/NDF: 43099.8/29

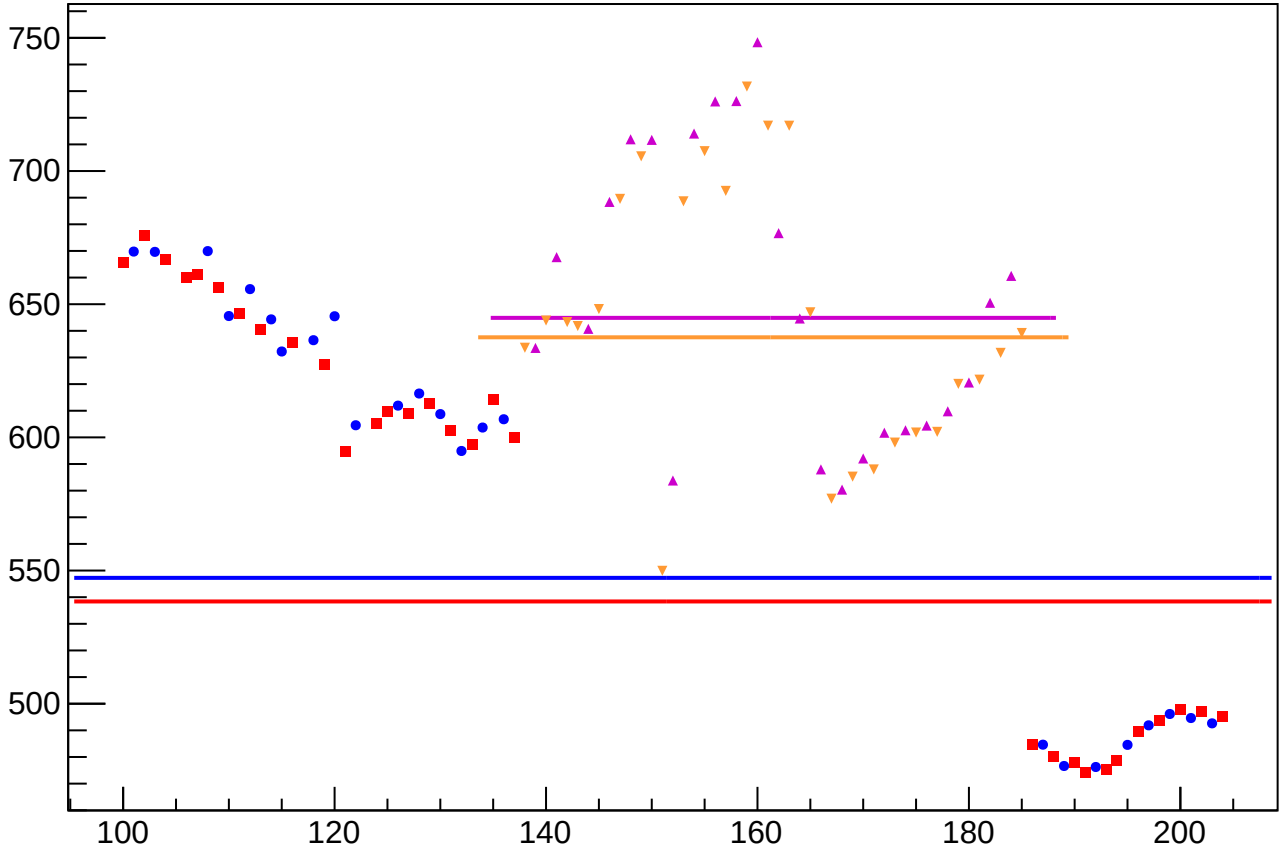
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 21.243+/-0.105 χ^2/NDF: 72990.5/48

All: 5.946+/-0.073 χ^2/NDF: 176671.2/101

- sign -8.475+/-0.102 χ^2/NDF: 62430.0/52

diff_bpm1i02Y_rms vs Slug



Right In: 547.255+/-0.107 χ^2/NDF: 455707.6/23

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

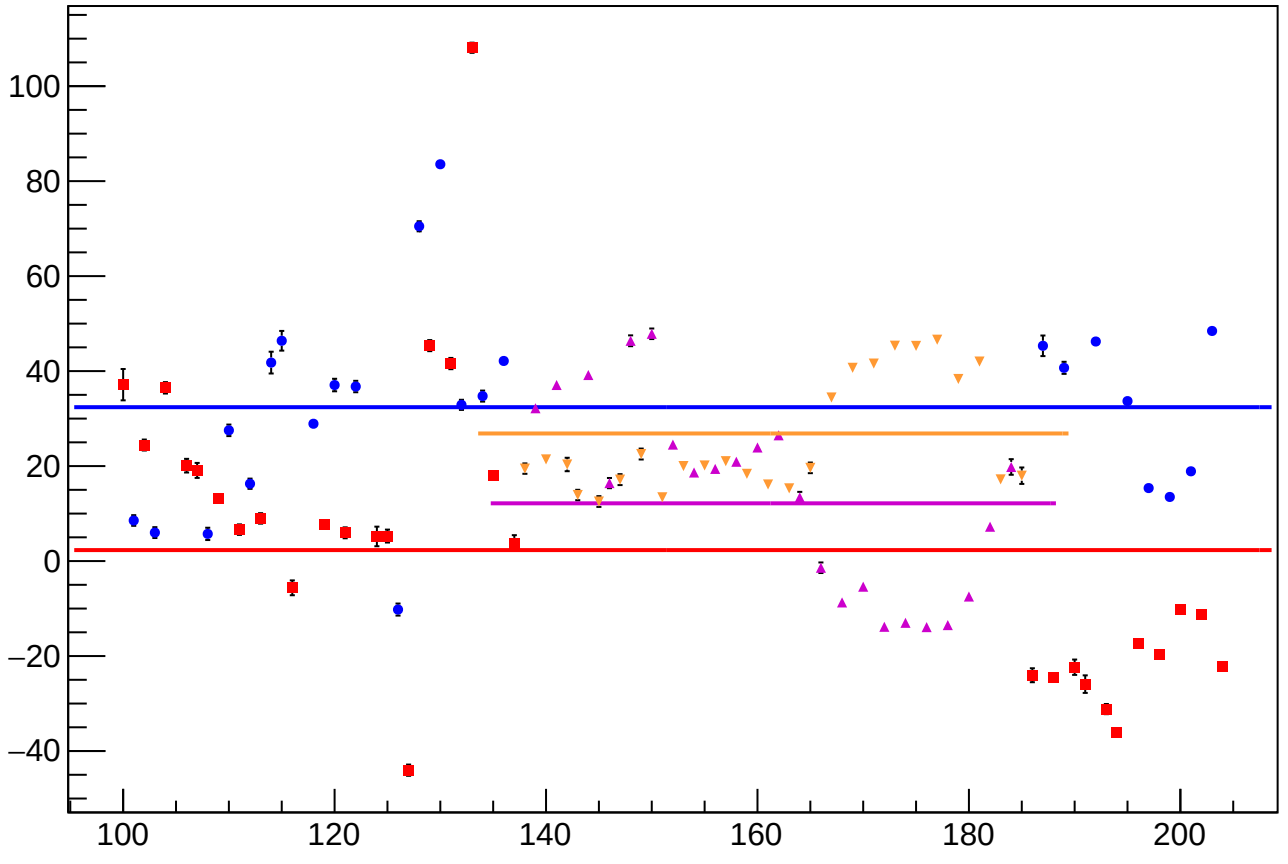
Right Out: 538.395+/-0.098 χ^2/NDF: 522530.4/29

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 594.316+/-0.074 χ^2/NDF: 1061667.0/48

All: 590.427+/-0.052 χ^2/NDF: 2360159.2/101

- sign 586.760+/-0.072 χ^2/NDF: 1293159.4/52



Right In: 32.402+/-0.231 χ^2/NDF: 8057.7/23

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 2.311+/-0.217 χ^2/NDF: 21680.3/29

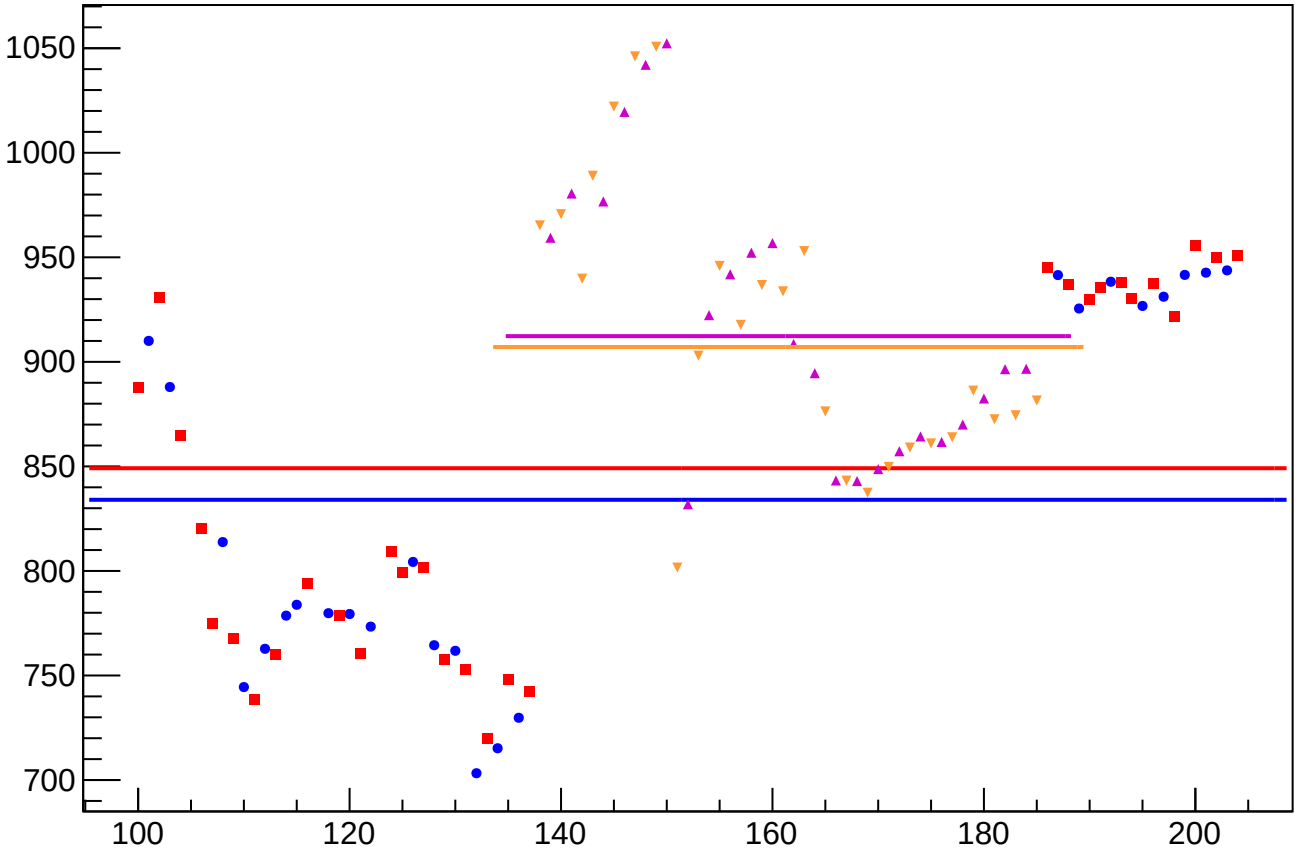
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

\+ sign 29.333+/-0.154 χ^2/NDF: 11767.8/48

All: 18.202+/-0.108 χ^2/NDF: 53393.2/101

\- sign 7.309+/-0.152 χ^2/NDF: 31273.2/52

diff_bpm1i04X_rms vs Slug



Right In: 834.033+/-0.163 χ^2/NDF: 300043.2/23

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 849.132+/-0.153 χ^2/NDF: 323349.5/29

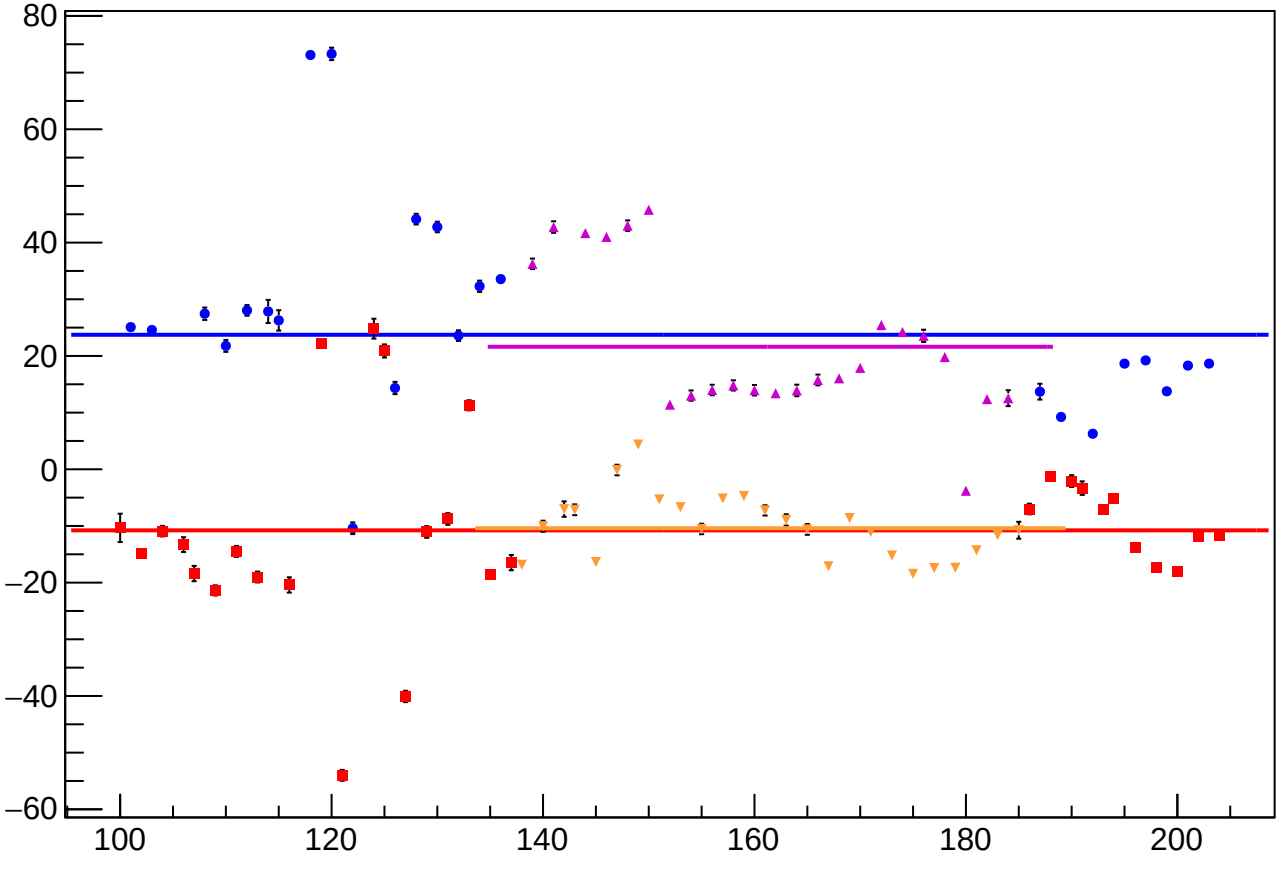
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 874.537+/-0.109 χ^2/NDF: 606001.3/48

All: 877.900+/-0.077 χ^2/NDF: 1192030.1/101

- sign 881.191+/-0.108 χ^2/NDF: 584138.8/52

diff_bpm1i04Y_mean vs Slug



Right In: 23.738+/-0.170 χ^2/NDF: 9388.6/23

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -10.775+/-0.160 χ^2/NDF: 7303.2/29

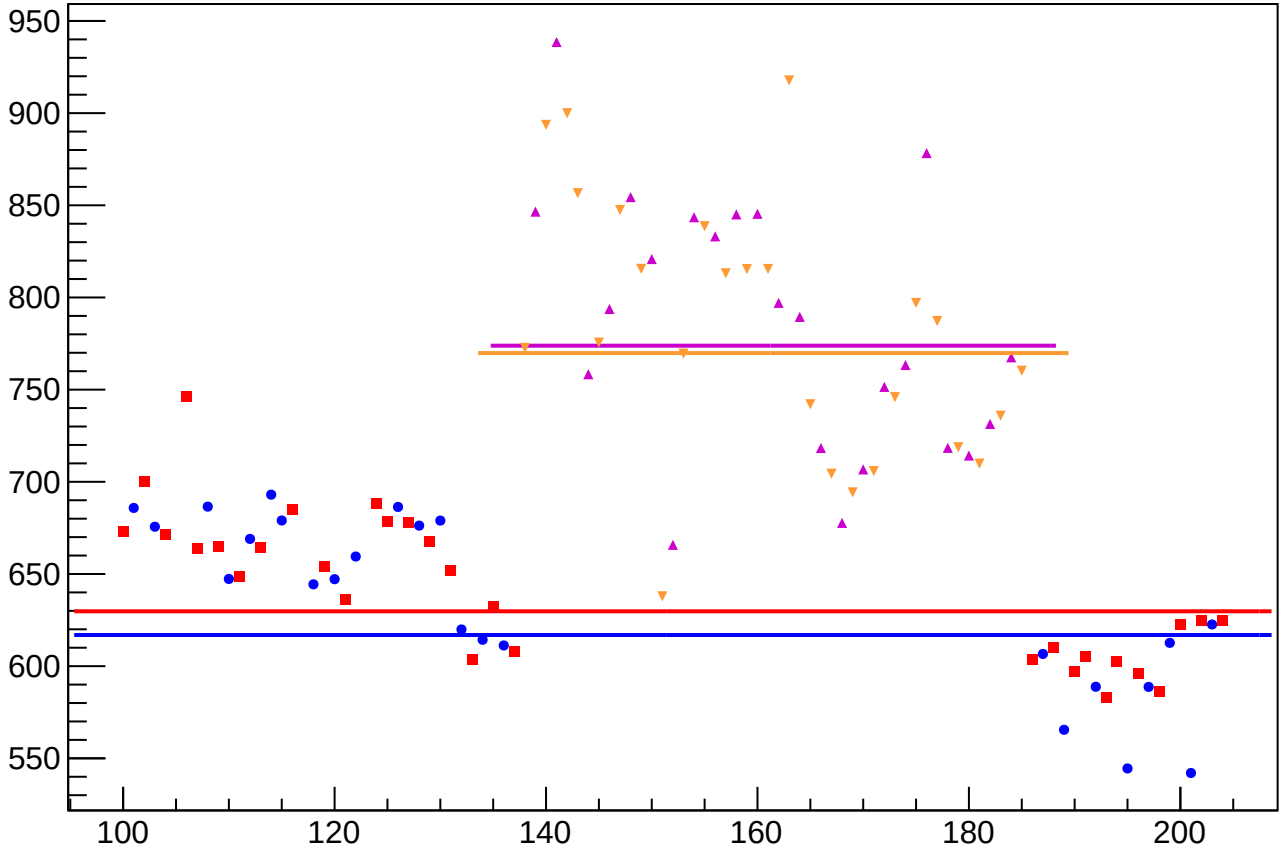
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 7.211+/-0.122 χ^2/NDF: 29849.3/48

All: 5.271+/-0.086 χ^2/NDF: 60723.9/101

- sign 3.397+/-0.120 χ^2/NDF: 30381.1/52

diff_bpm1i04Y_rms vs Slug



Right In: 616.900+/-0.121 χ^2/NDF: 153109.6/23

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 629.766+/-0.113 χ^2/NDF: 97503.2/29

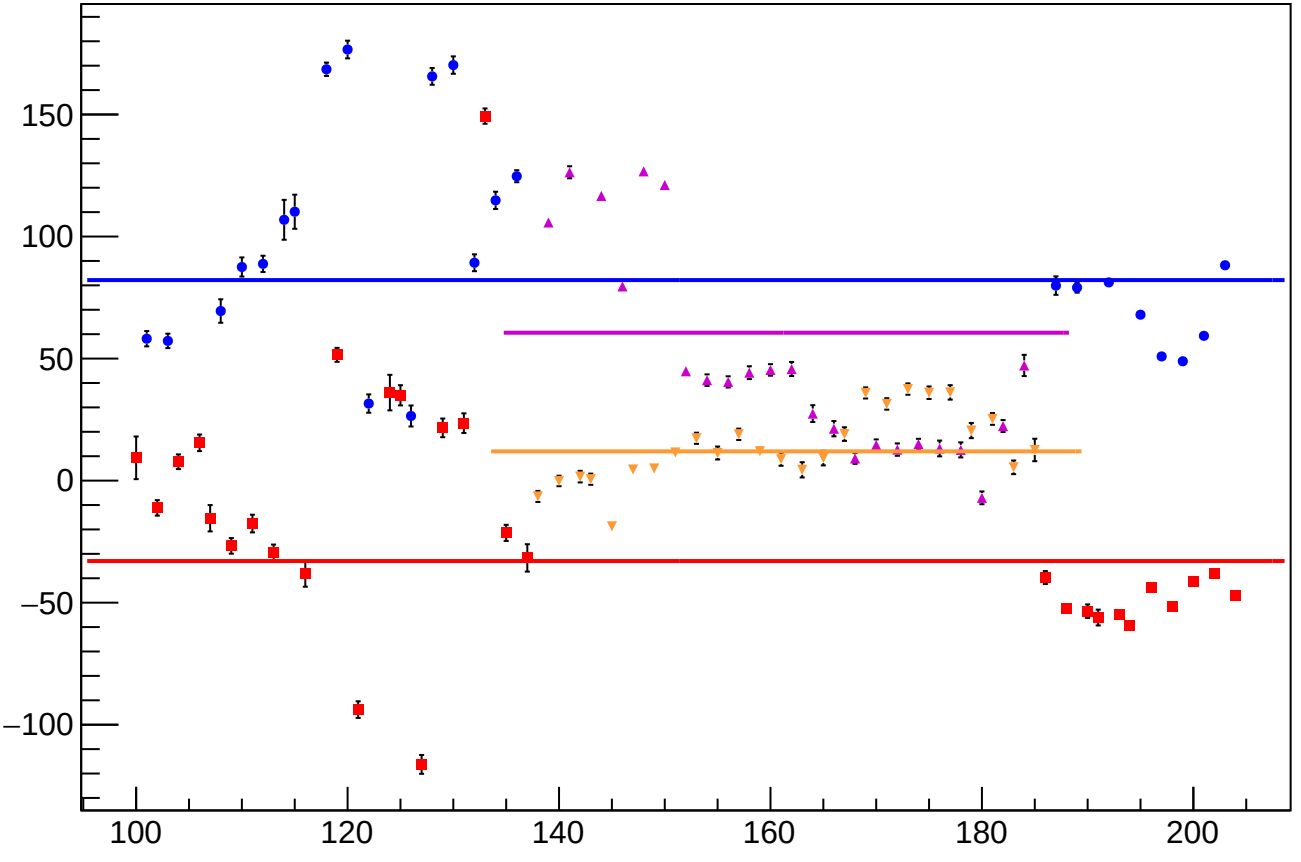
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 690.933+/-0.087 χ^2/NDF: 1236963.7/48

All: 691.879+/-0.061 χ^2/NDF: 2323140.0/101

- sign 692.793+/-0.085 χ^2/NDF: 1085941.5/52

diff_bpm1i06X_mean vs Slug



Right In: 82.156+/-0.529 χ^2/NDF: 4681.7/23

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -32.941+/-0.489 χ^2/NDF: 7162.0/29

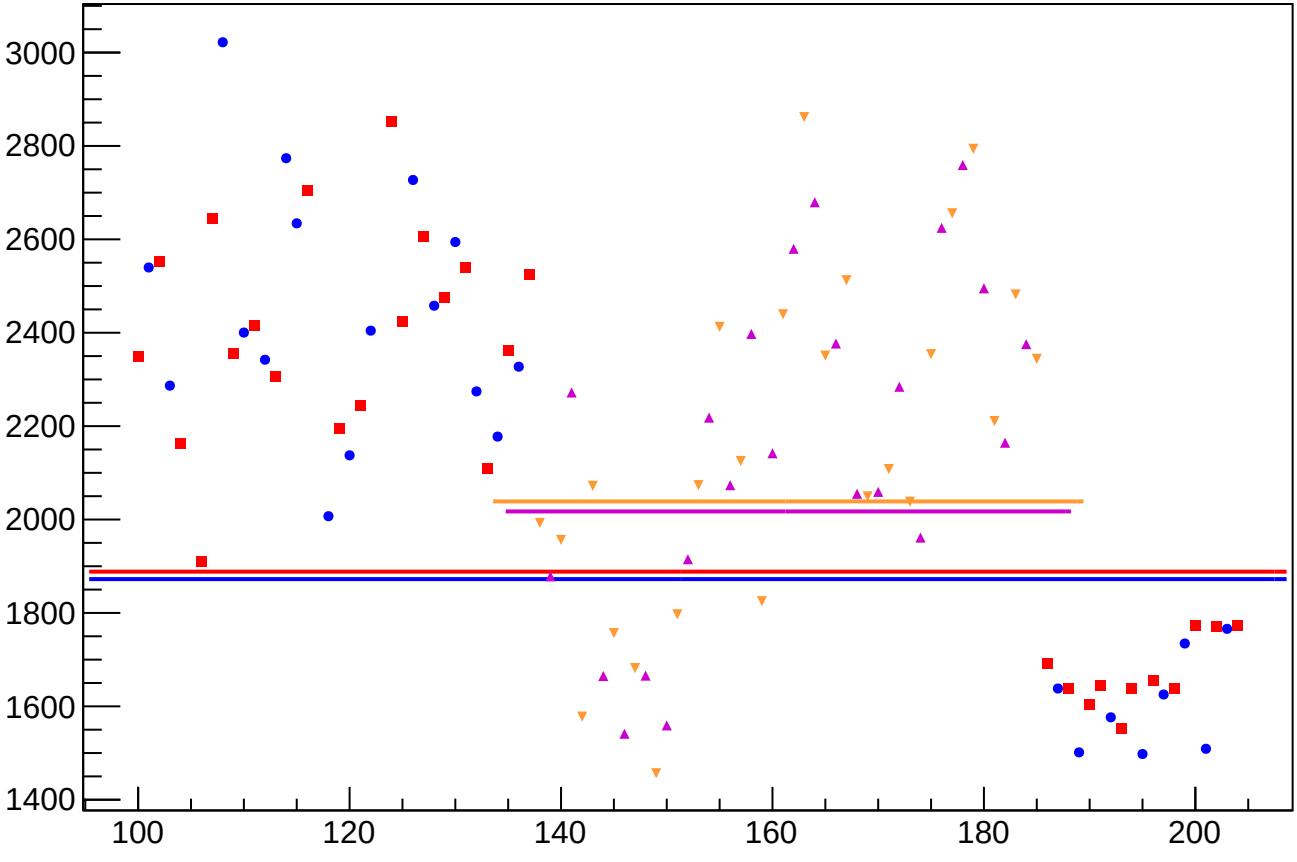
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 43.082+/-0.352 χ^2/NDF: 15440.8/48

All: 28.475+/-0.246 χ^2/NDF: 53201.6/101

- sign 14.606+/-0.343 χ^2/NDF: 34401.5/52

diff_bpm1i06X_rms vs Slug



Right In: 1872.442+/-0.374 χ^2/NDF: 1144369.7/23

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1888.411+/-0.346 χ^2/NDF: 967890.0/29

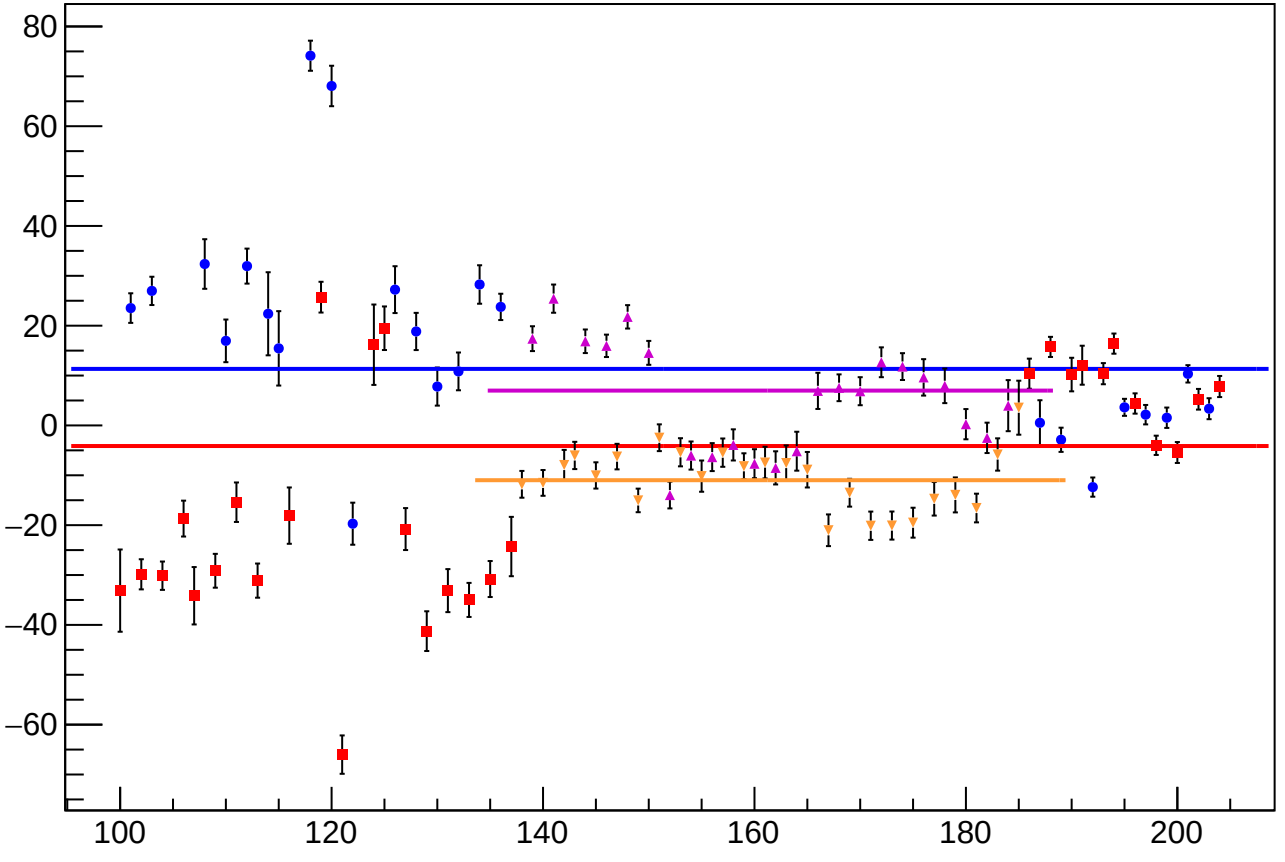
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 1965.072+/-0.249 χ^2/NDF: 2378174.8/48

All: 1959.363+/-0.174 χ^2/NDF: 4467800.6/10

- sign 1953.942+/-0.242 χ^2/NDF: 2088599.4/52

diff_bpm1i06Y_mean vs Slug



Right In: 11.335+/-0.574 χ^2/NDF: 1116.1/23

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: -4.132+/-0.543 χ^2/NDF: 1402.3/29

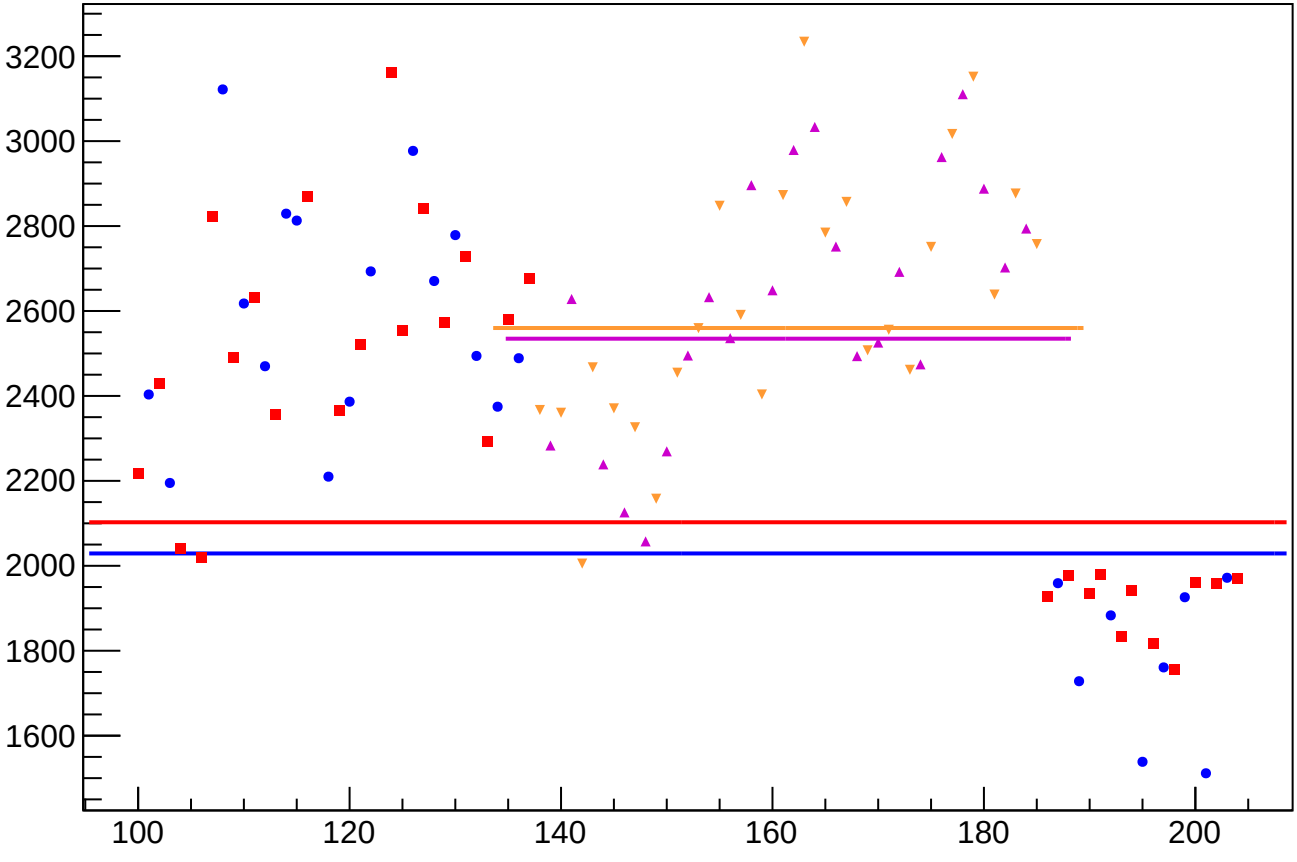
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign 0.398+/-0.410 χ^2/NDF: 1943.8/48

All: 0.645+/-0.287 χ^2/NDF: 3875.8/101

- sign 0.883+/-0.402 χ^2/NDF: 1931.2/52

diff_bpm1i06Y_rms vs Slug



Right In: 2029.087+/-0.406 χ^2/NDF: 1071815.6/23

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 2102.524+/-0.384 χ^2/NDF: 649119.3/29

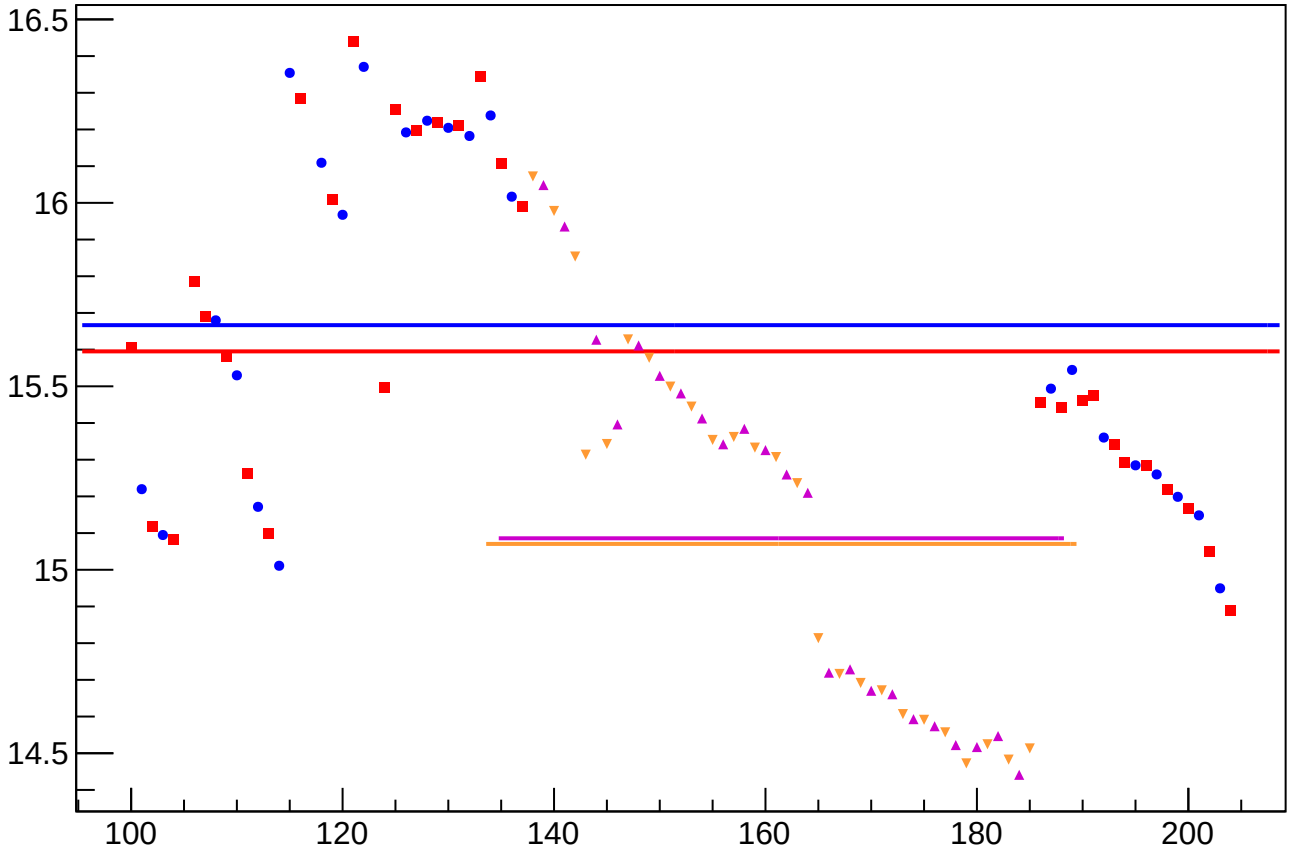
Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2289.203+/-0.290 χ^2/NDF: 2359335.4/48

All: 2293.439+/-0.203 χ^2/NDF: 4045217.8/10

- sign 2297.508+/-0.284 χ^2/NDF: 1685464.1/52

yield_sam1_mean vs Slug



Right In: 15.667+/-0.000 χ^2/NDF: 14388184212.7/23

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.595+/-0.000 χ^2/NDF: 15785620885.6/29

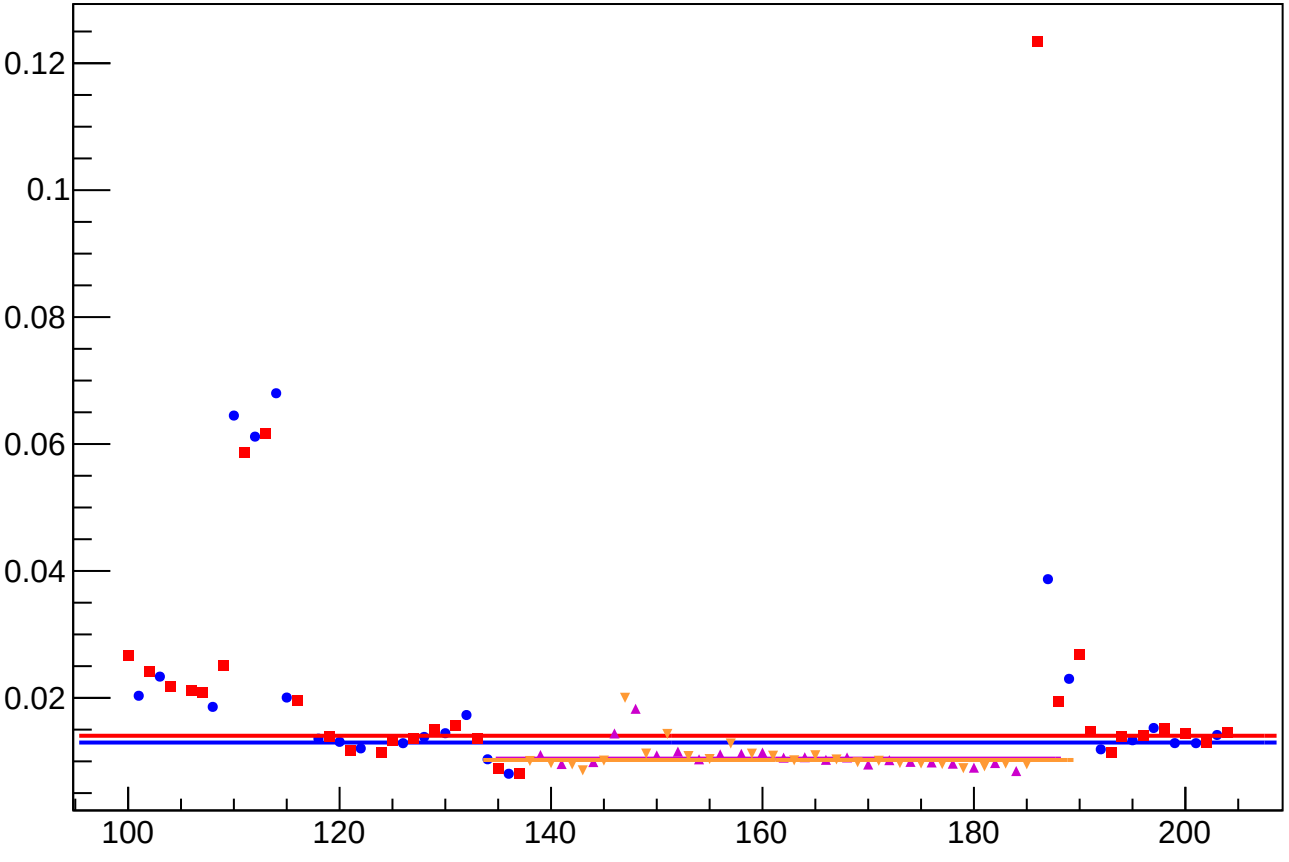
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.234+/-0.000 χ^2/NDF: 75095076098.0/48

All: 15.235+/-0.000 χ^2/NDF: 142424095312.

- sign 15.235+/-0.000 χ^2/NDF: 67328896193.8/52

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2750829.9/23

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

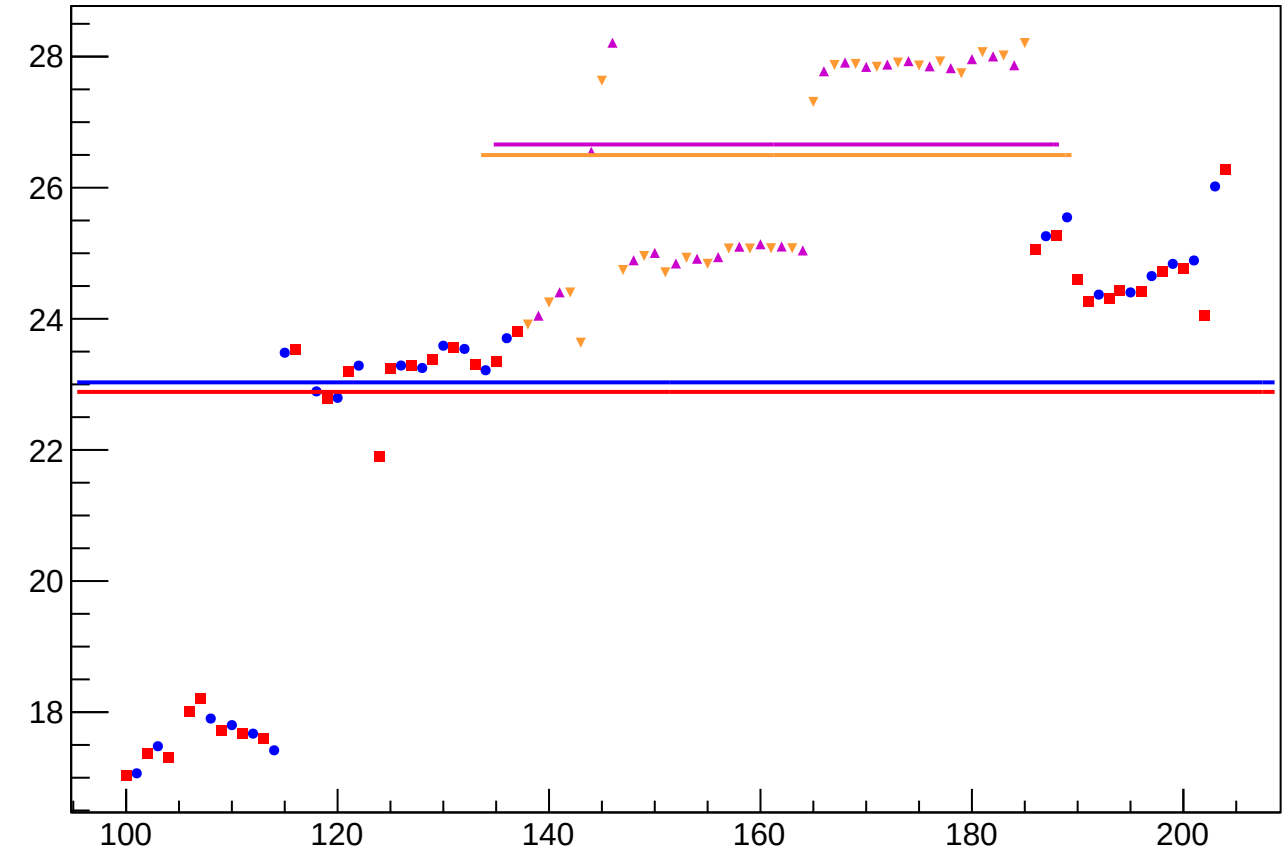
Right Out: 0.014+/-0.000 χ^2/NDF: 3245867.5/29

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4233024.6/48

All: 0.011+/-0.000 χ^2/NDF: 9343632.7/101

- sign 0.011+/-0.000 χ^2/NDF: 5049371.3/52



Right In: 23.031+/-0.000 χ^2/NDF: 1470408775.0/23

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.885+/-0.000 χ^2/NDF: 1618907323.9/29

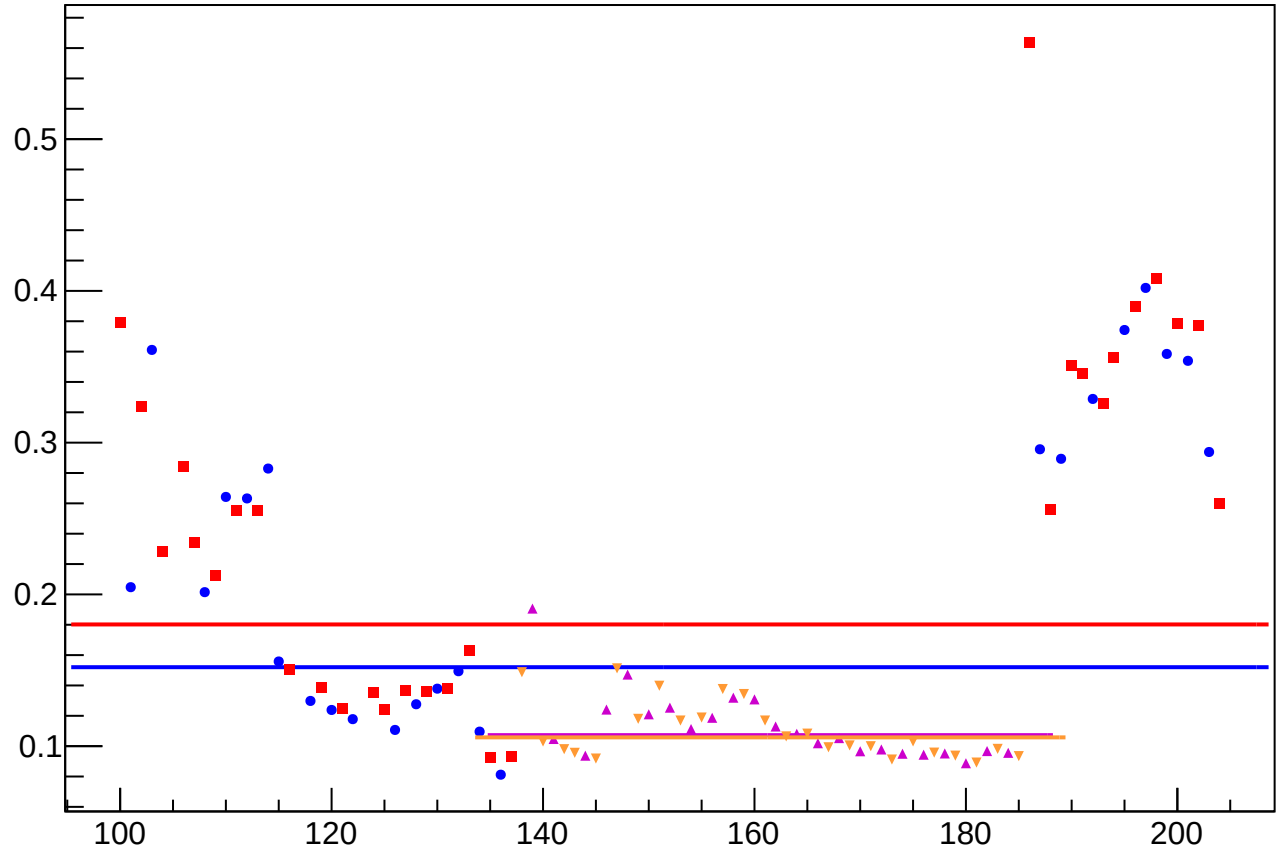
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.769+/-0.000 χ^2/NDF: 9125041923.8/48

All: 25.826+/-0.000 χ^2/NDF: 17598237412.1

- sign 25.889+/-0.000 χ^2/NDF: 8460290744.6/52

yield_sam2_rms vs Slug



Right In: 0.152+/-0.000 χ^2/NDF: 5849645.4/23

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.180+/-0.000 χ^2/NDF: 5970155.2/29

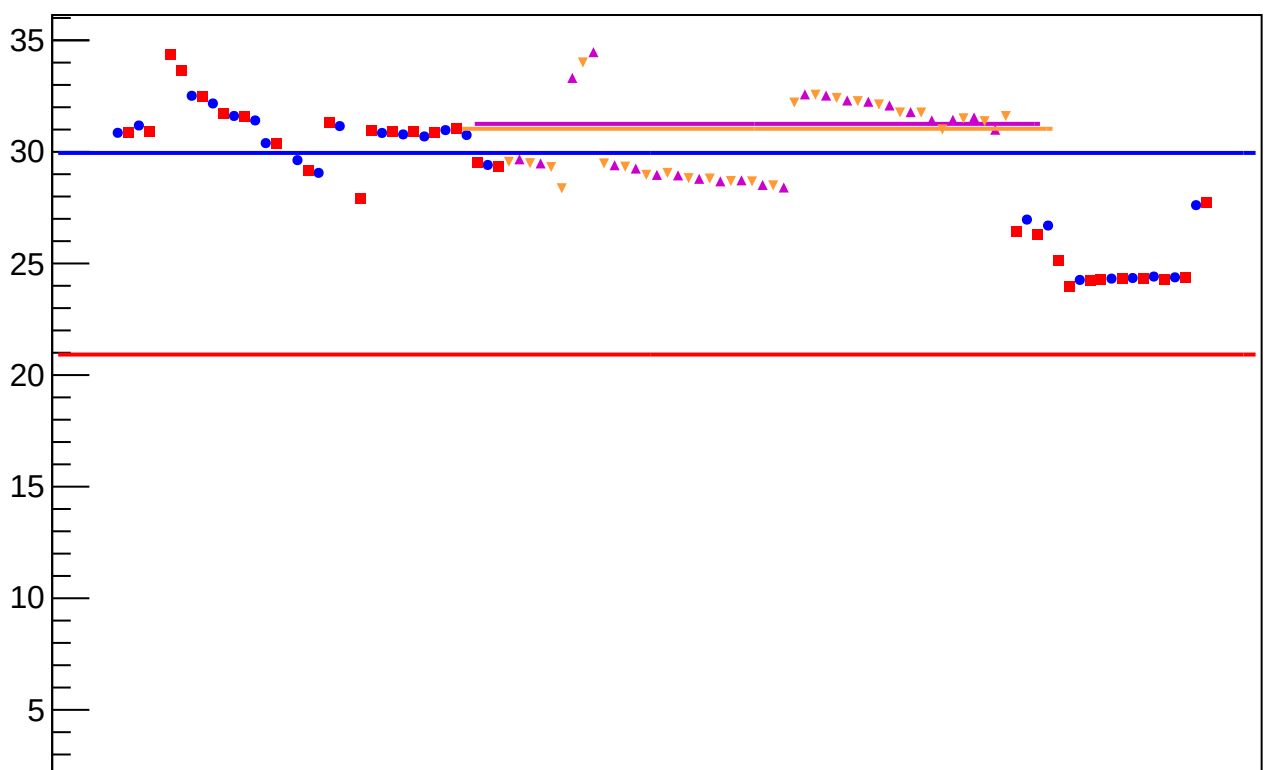
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.116+/-0.000 χ^2/NDF: 7938921.3/48

All: 0.119+/-0.000 χ^2/NDF: 17801223.7/101

- sign 0.122+/-0.000 χ^2/NDF: 9783314.7/52

yield_sam3_mean vs Slug



Right In: 29.953+/-0.000 χ^2/NDF: 3353216716.5/23

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.919+/-0.000 χ^2/NDF: 225630050639.9/29

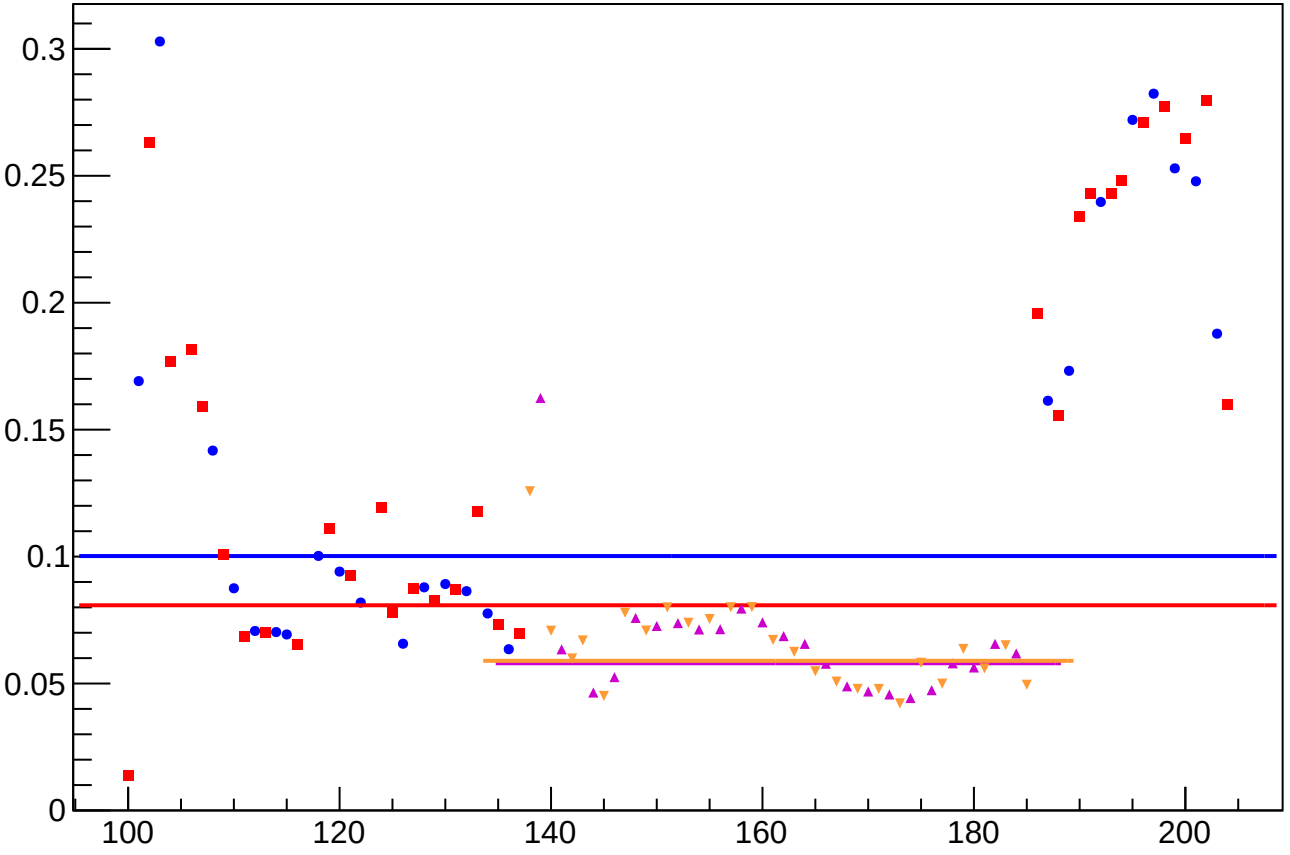
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.850+/-0.000 χ^2/NDF: 16108173035.3/48

All: 29.831+/-0.000 χ^2/NDF: 367348998592.

- sign 28.852+/-0.000 χ^2/NDF: 340727496105.1/52

yield_sam3_rms vs Slug



Right In: 0.100+/-0.000 χ^2/NDF: 5516382.8/23

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.081+/-0.000 χ^2/NDF: 11264090.5/29

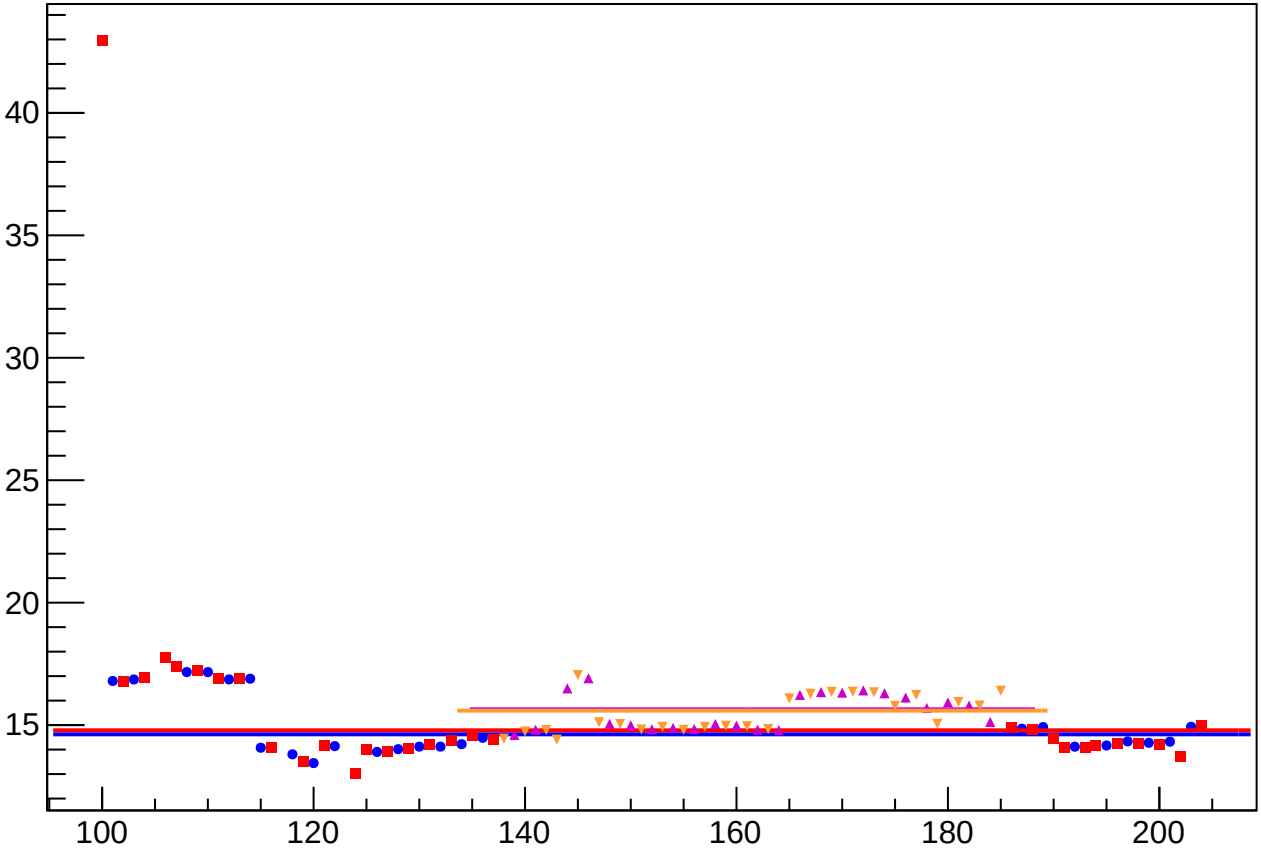
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.066+/-0.000 χ^2/NDF: 9548700.7/48

All: 0.065+/-0.000 χ^2/NDF: 23568684.9/101

- sign 0.063+/-0.000 χ^2/NDF: 13981299.2/52

yield_sam4_mean vs Slug



Right In: 14.623+/-0.000 χ^2/NDF: 1211771902.1/23

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.787+/-0.000 χ^2/NDF: 1789807722.7/29

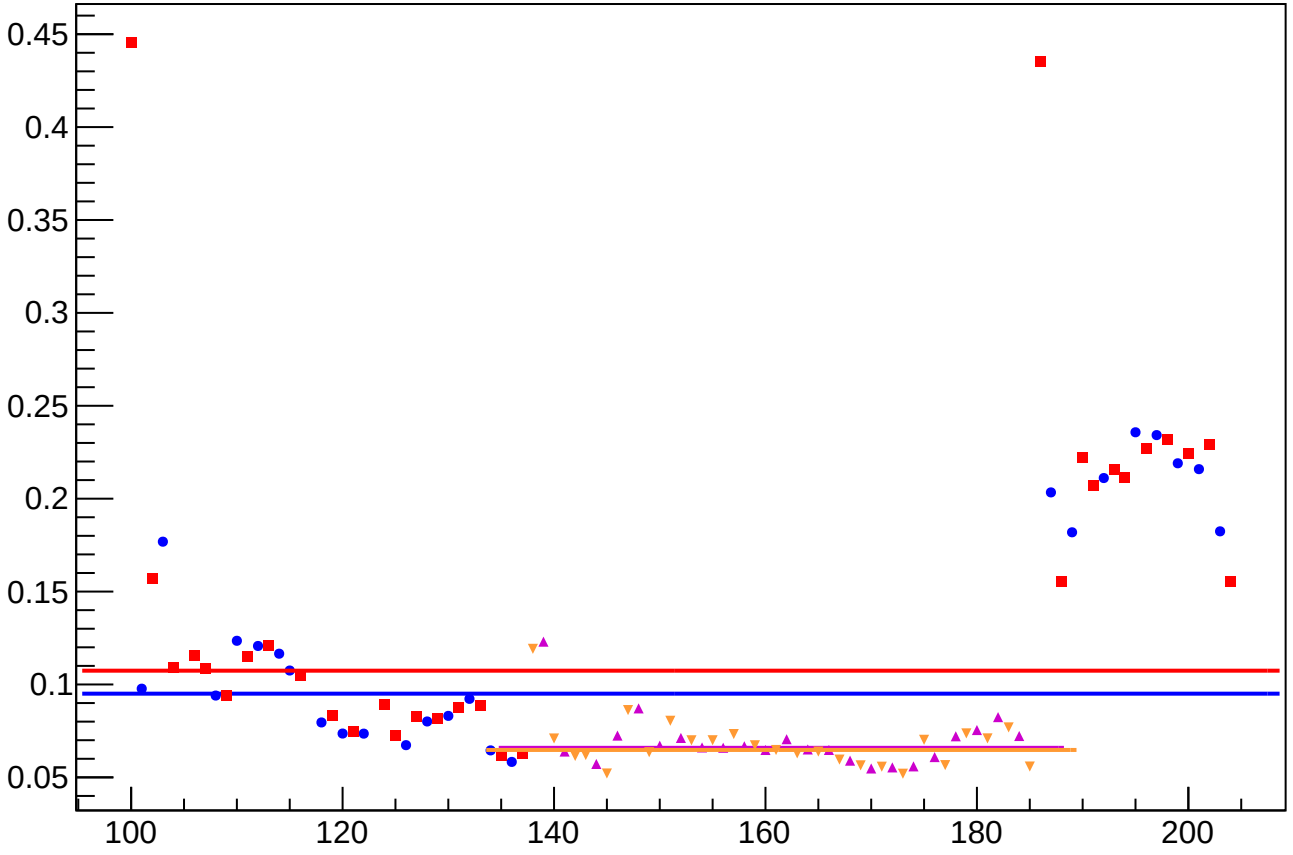
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.383+/-0.000 χ^2/NDF: 4256381637.2/48

All: 15.418+/-0.000 χ^2/NDF: 8496142641.0/1

- sign 15.456+/-0.000 χ^2/NDF: 4227022666.7/52

yield_sam4_rms vs Slug



Right In: 0.095+/-0.000 χ^2/NDF: 4908918.7/23

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.107+/-0.000 χ^2/NDF: 5272317.9/29

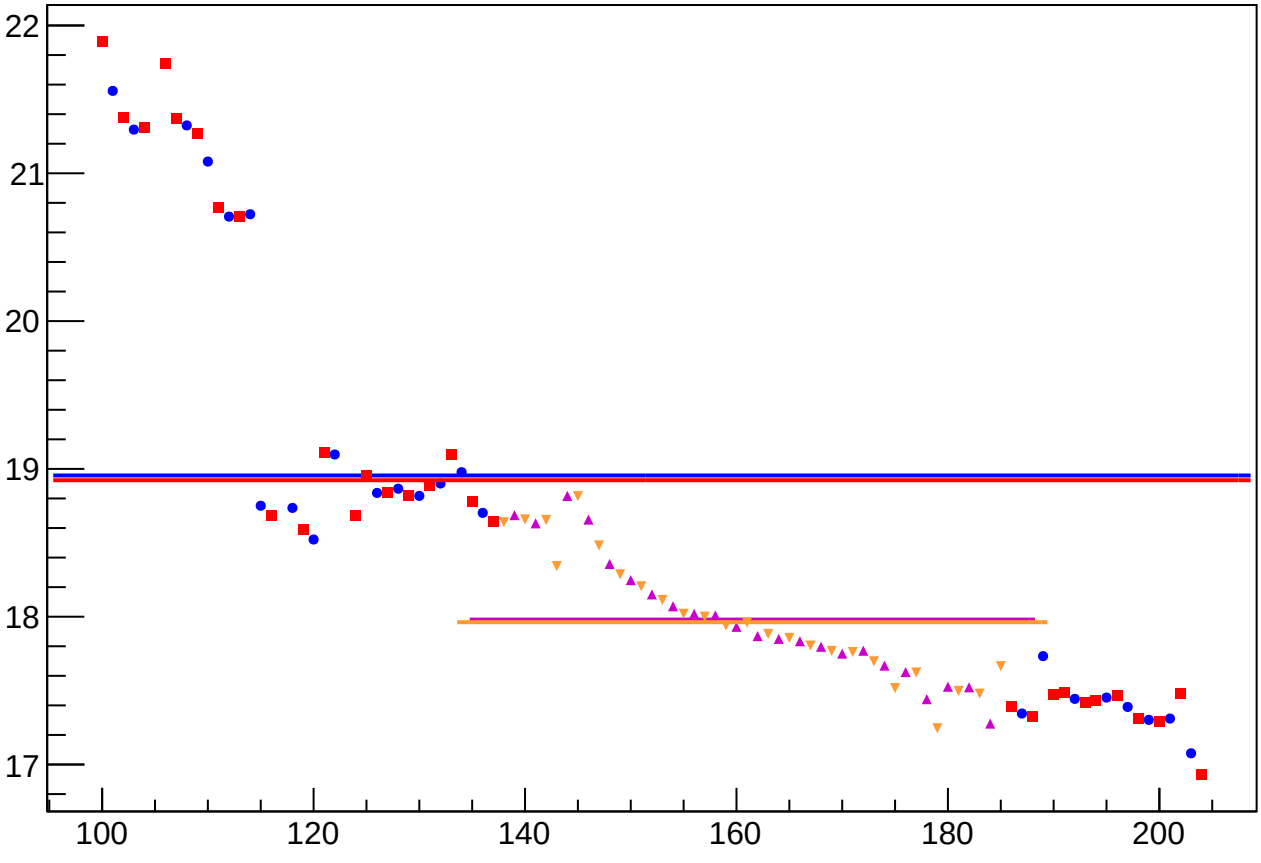
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.071+/-0.000 χ^2/NDF: 7305944.9/48

All: 0.073+/-0.000 χ^2/NDF: 16147153.4/101

- sign 0.075+/-0.000 χ^2/NDF: 8773803.7/52

yield_sam5_mean vs Slug



Right In: 18.955+/-0.000 χ^2/NDF: 29042454277.5/23

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.923+/-0.000 χ^2/NDF: 33732973357.5/29

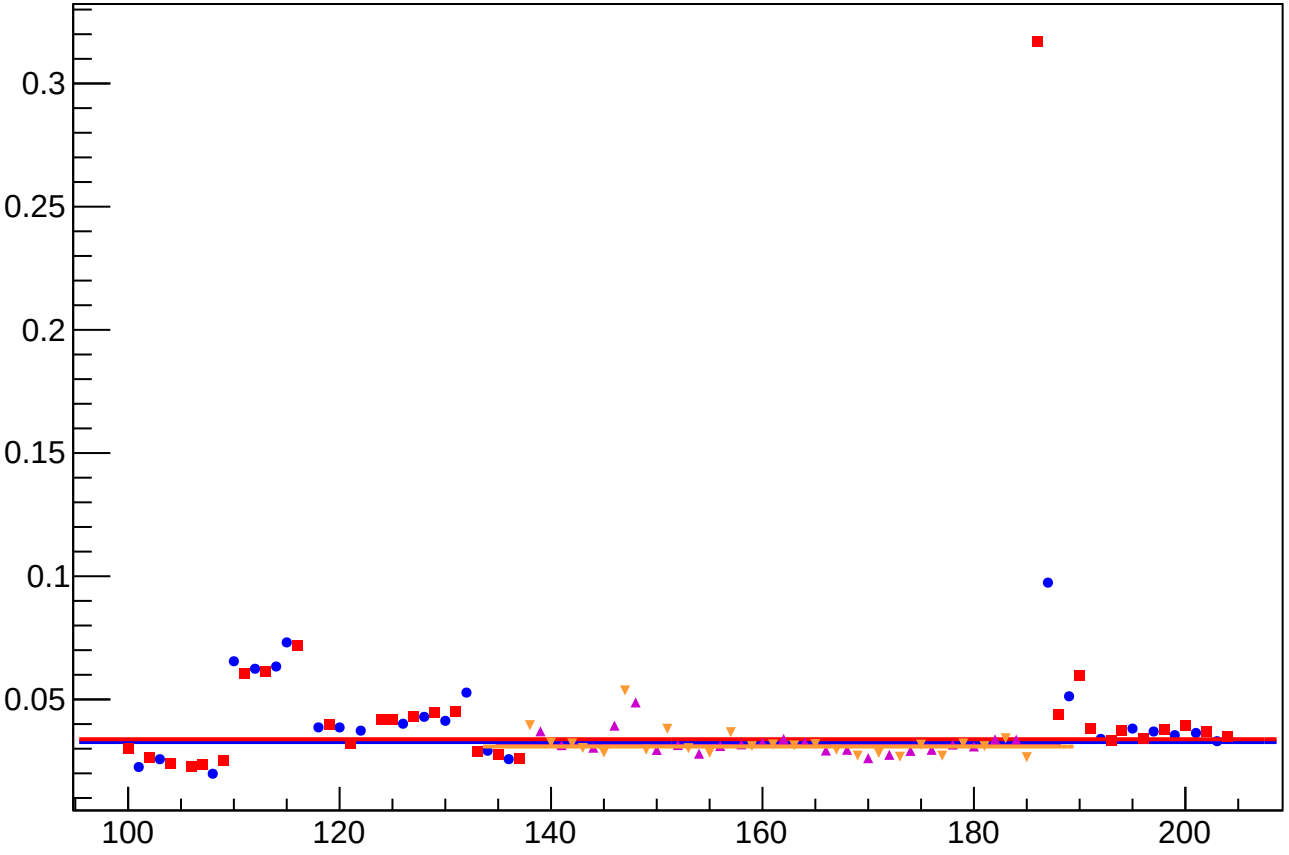
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.318+/-0.000 χ^2/NDF: 38855322357.8/48

All: 18.335+/-0.000 χ^2/NDF: 81596520813.0

- sign 18.353+/-0.000 χ^2/NDF: 42723688080.7/52

yield_sam5_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF: 1895087.1/23

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.034+/-0.000 χ^2/NDF: 2236001.7/29

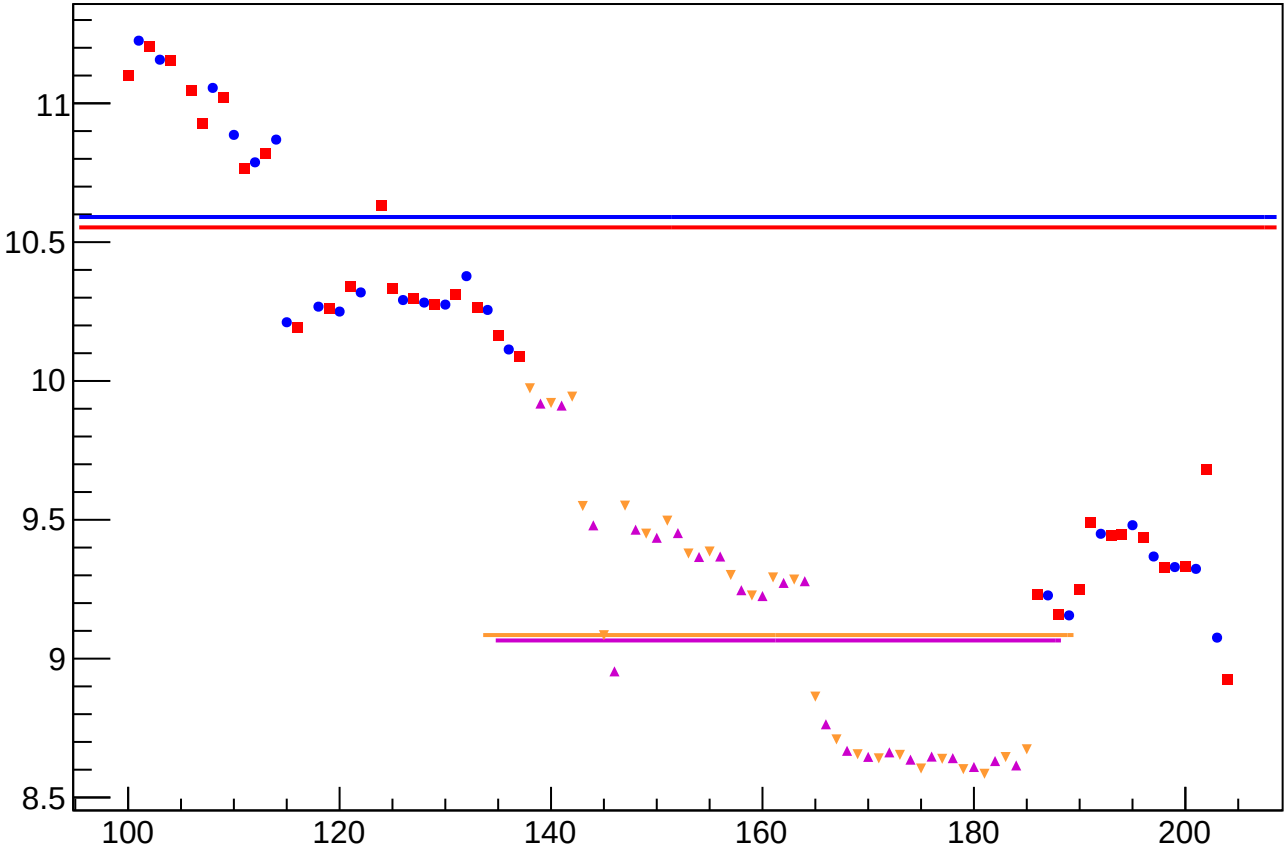
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.032+/-0.000 χ^2/NDF: 2573840.7/48

All: 0.032+/-0.000 χ^2/NDF: 5409208.9/101

- sign 0.032+/-0.000 χ^2/NDF: 2822223.1/52

yield_sam6_mean vs Slug



Right In: 10.590+/-0.000 χ^2/NDF: 11567185641.8/23

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.553+/-0.000 χ^2/NDF: 11804414937.0/29

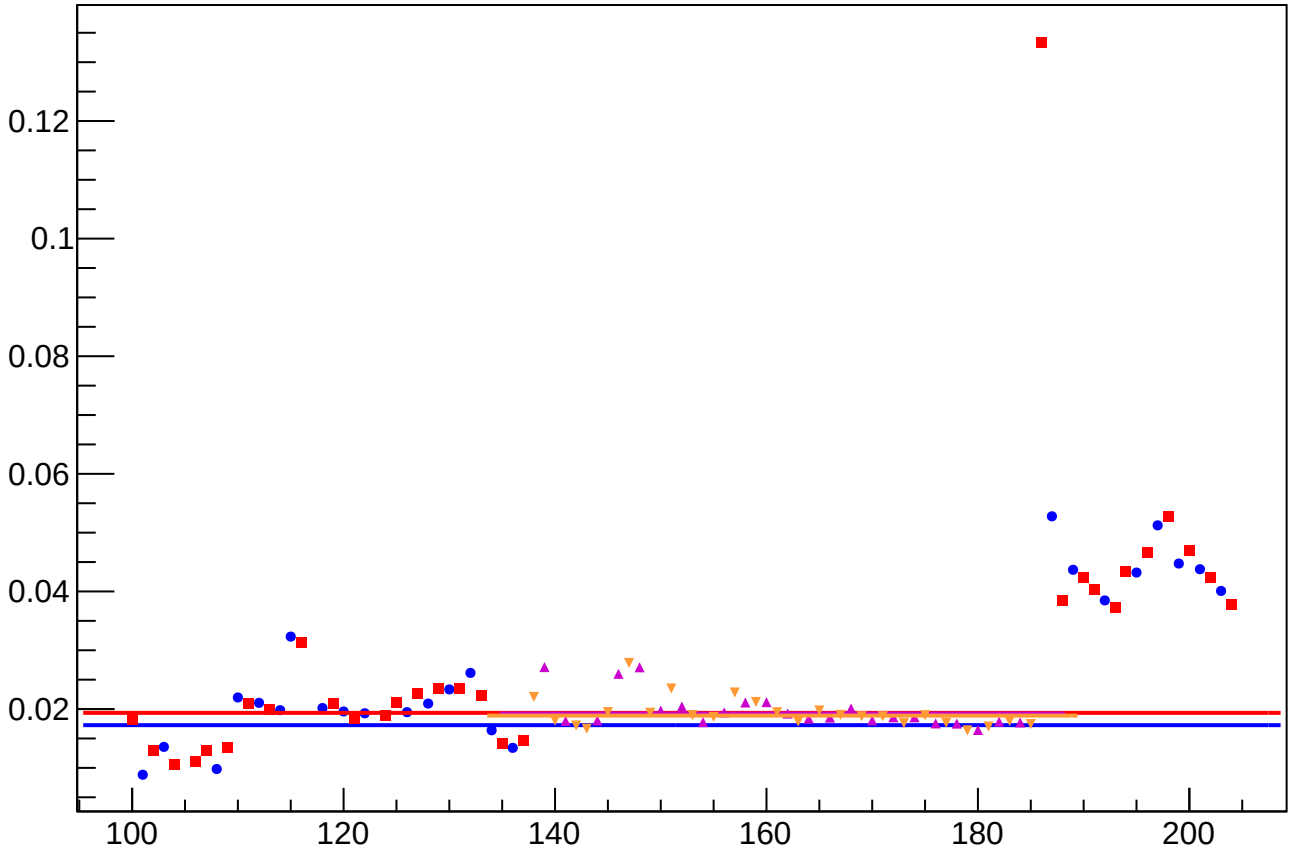
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.663+/-0.000 χ^2/NDF: 64683988139.4/48

All: 9.661+/-0.000 χ^2/NDF: 124051660303.1

- sign 9.658+/-0.000 χ^2/NDF: 59366704547.6/52

yield_sam6_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 6195915.0/23

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.019+/-0.000 χ^2/NDF: 6806184.1/29

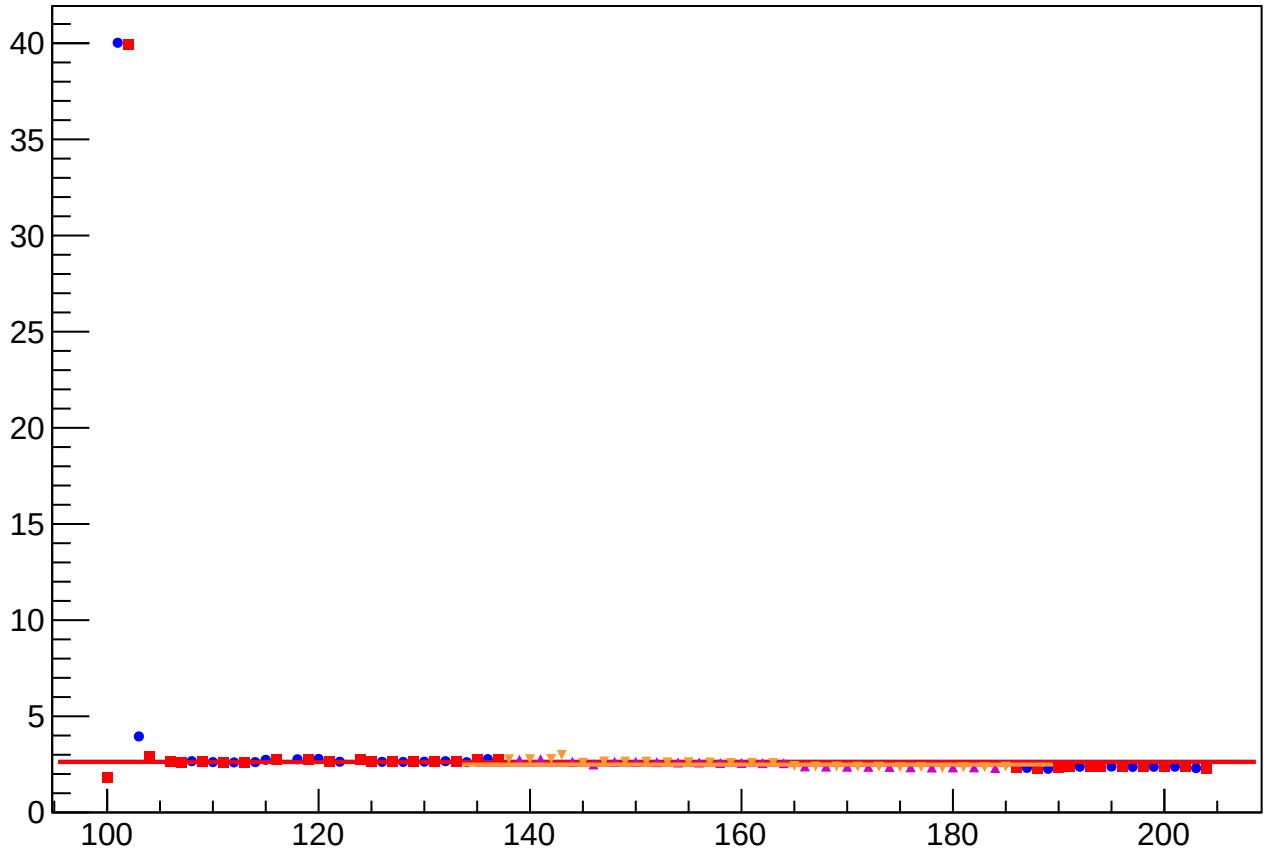
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.018+/-0.000 χ^2/NDF: 6737714.0/48

All: 0.019+/-0.000 χ^2/NDF: 14164400.3/101

- sign 0.019+/-0.000 χ^2/NDF: 7347627.4/52

yield_sam7_mean vs Slug



Right In: 2.638+/-0.000 χ^2/NDF: 79823467671.1/23

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.619+/-0.000 χ^2/NDF: 81900042180.3/29

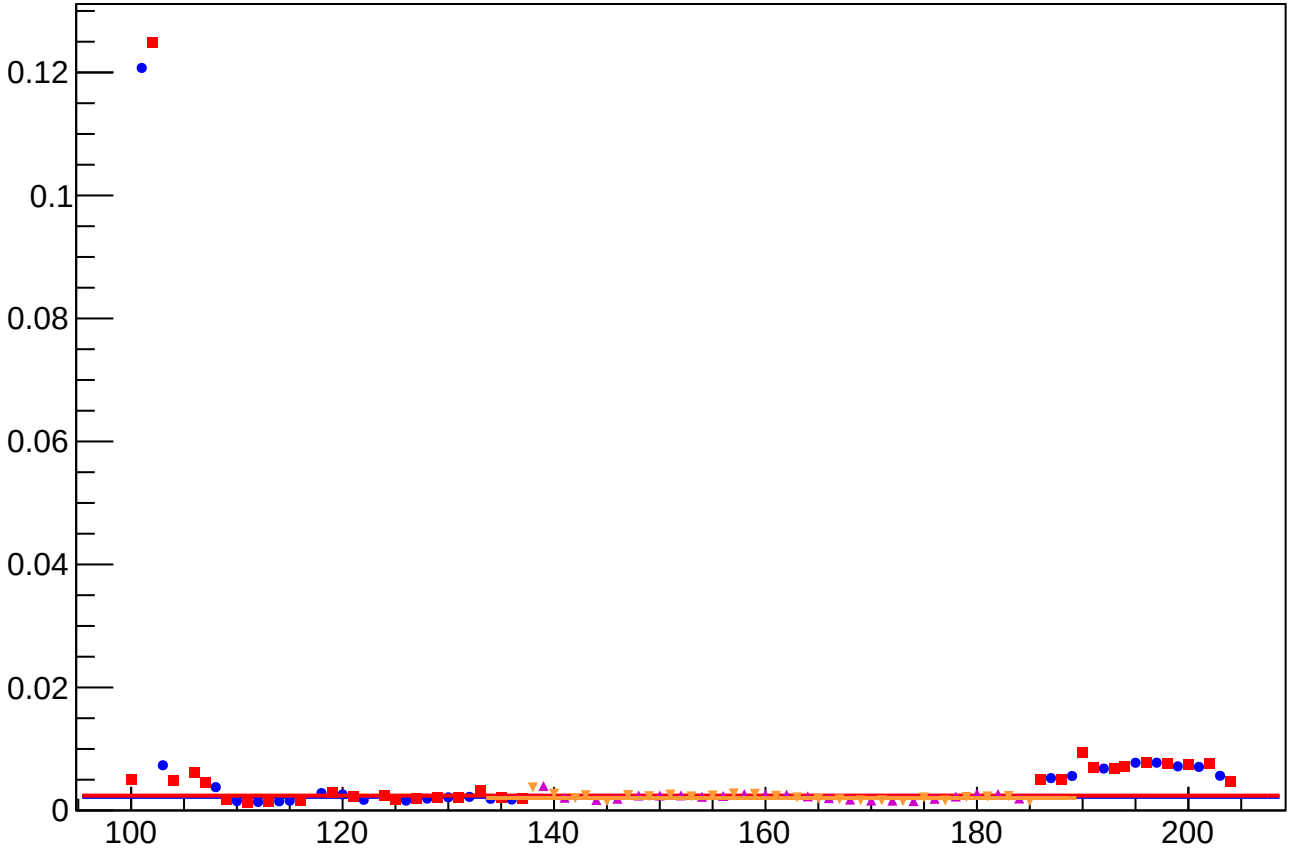
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.534+/-0.000 χ^2/NDF: 196044642536.2/48

All: 2.532+/-0.000 χ^2/NDF: 357723553887.3

- sign 2.530+/-0.000 χ^2/NDF: 161625548957.6/52

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7514259.8/23

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

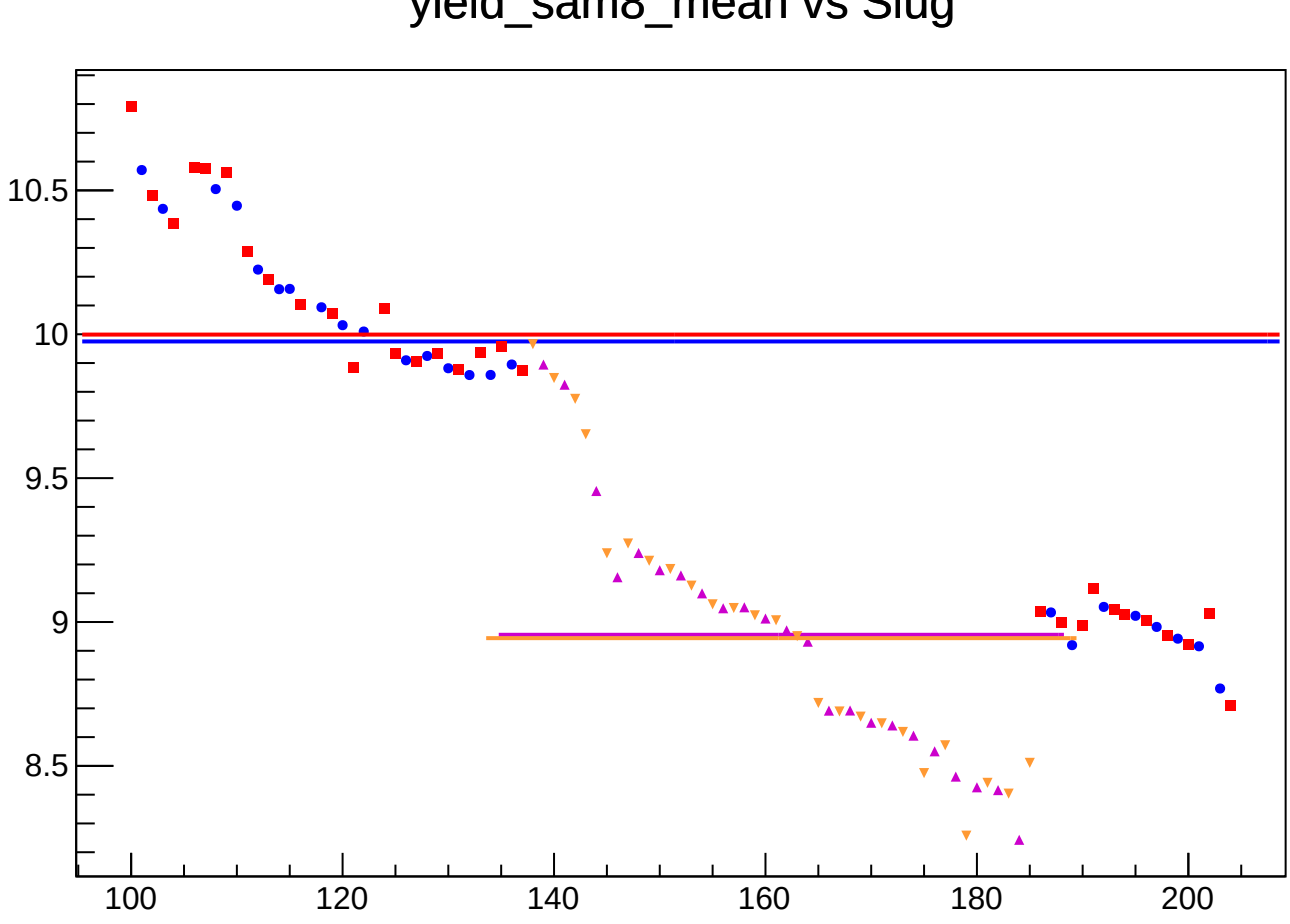
Right Out: 0.002+/-0.000 χ^2/NDF: 9488366.4/29

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 9146247.5/48

All: 0.002+/-0.000 χ^2/NDF: 20353812.1/101

- sign 0.002+/-0.000 χ^2/NDF: 11157535.1/52



Right In: 9.975+/-0.000 χ^2/NDF: 38534549069.8/23

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.999+/-0.000 χ^2/NDF: 50399451630.8/29

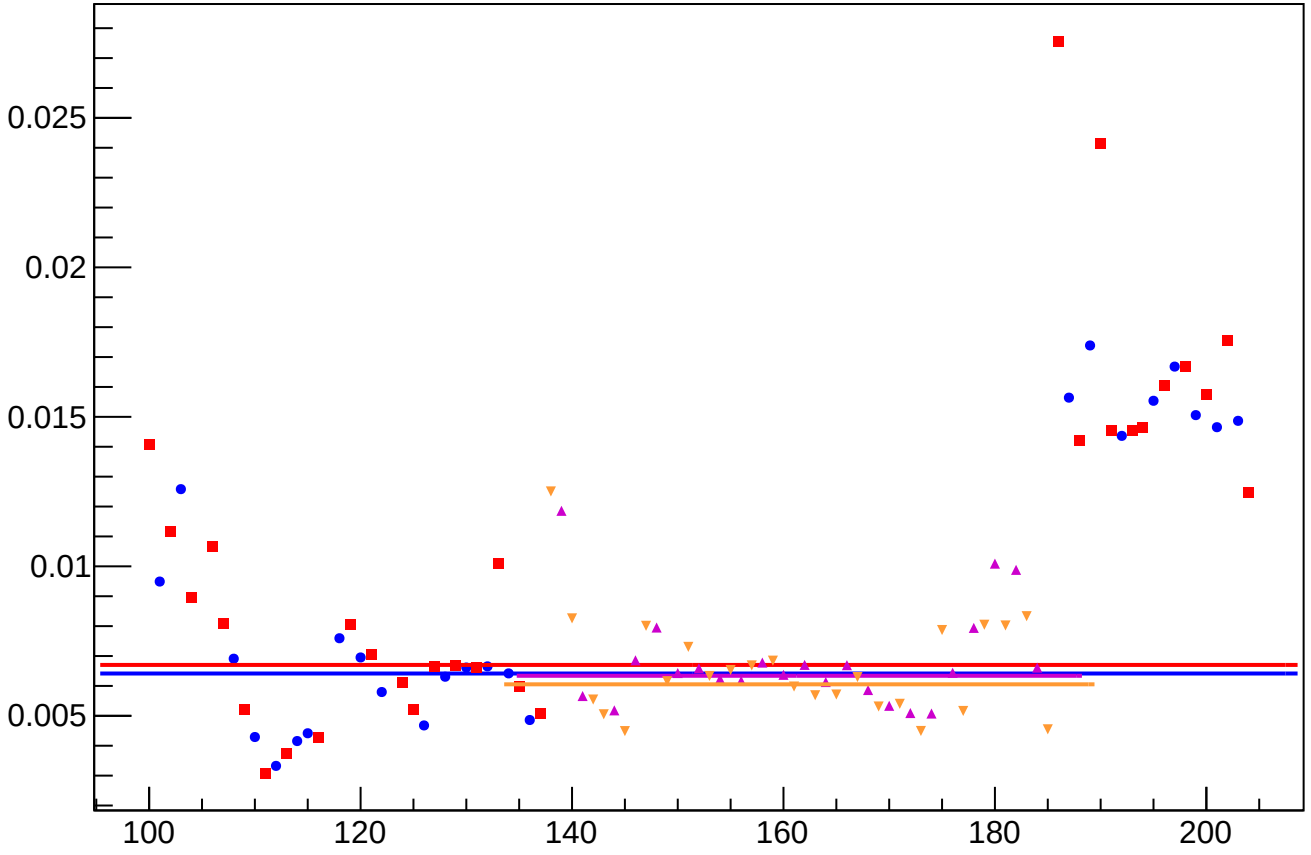
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.298+/-0.000 χ^2/NDF: 256610740148.9/48

All: 9.328+/-0.000 χ^2/NDF: 512492914360.2

- sign 9.360+/-0.000 χ^2/NDF: 254722164491.7/52

yield_sam8_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 5684623.6/23

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7732440.1/29

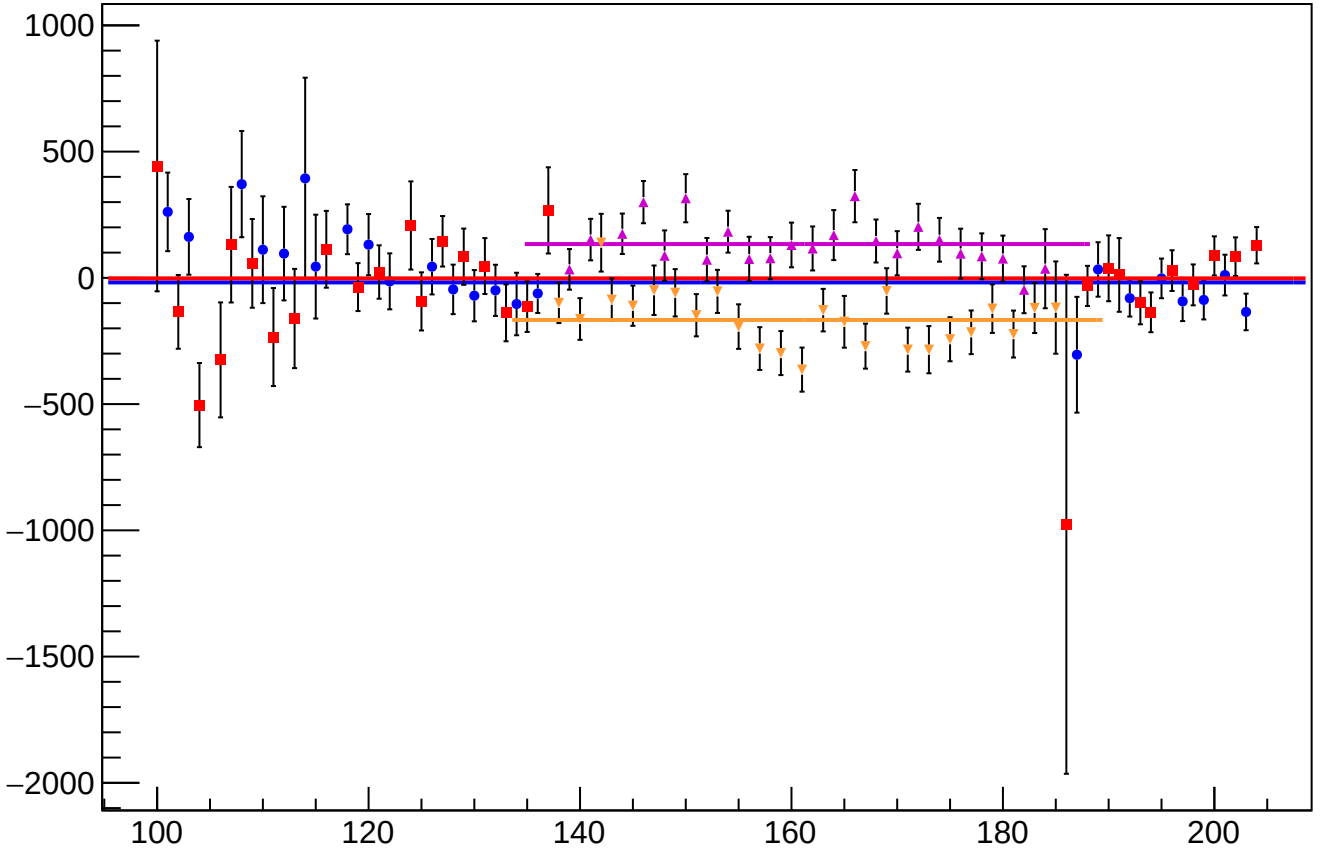
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 7183092.0/48

All: 0.006+/-0.000 χ^2/NDF: 16183632.1/101

- sign 0.006+/-0.000 χ^2/NDF: 8944648.7/52

reg_asym_sam1_mean vs Slug



Right In: -18.049+/-21.384 χ^2/NDF: 24.7/23

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -2.019+/-20.262 χ^2/NDF: 37.8/29

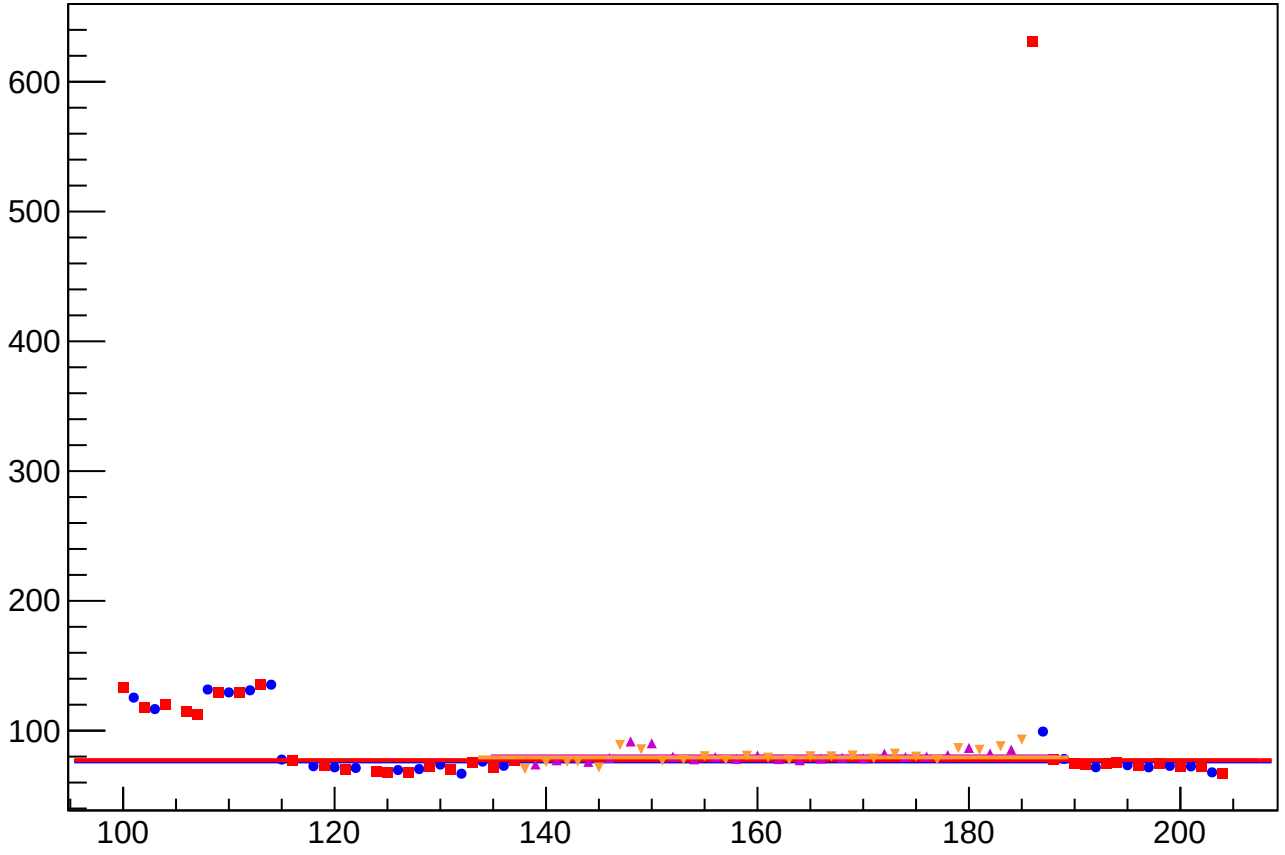
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -104.724+/-13.806 χ^2/NDF: 84.5/48

All: -16.520+/-9.747 χ^2/NDF: 248.6/101

- sign 71.147+/-13.764 χ^2/NDF: 82.7/52

reg_asym_sam1_rms vs Slug



Right In: 76.309+/-0.015 χ^2/NDF: 948507.3/23

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 77.260+/-0.014 χ^2/NDF: 1676017.4/29

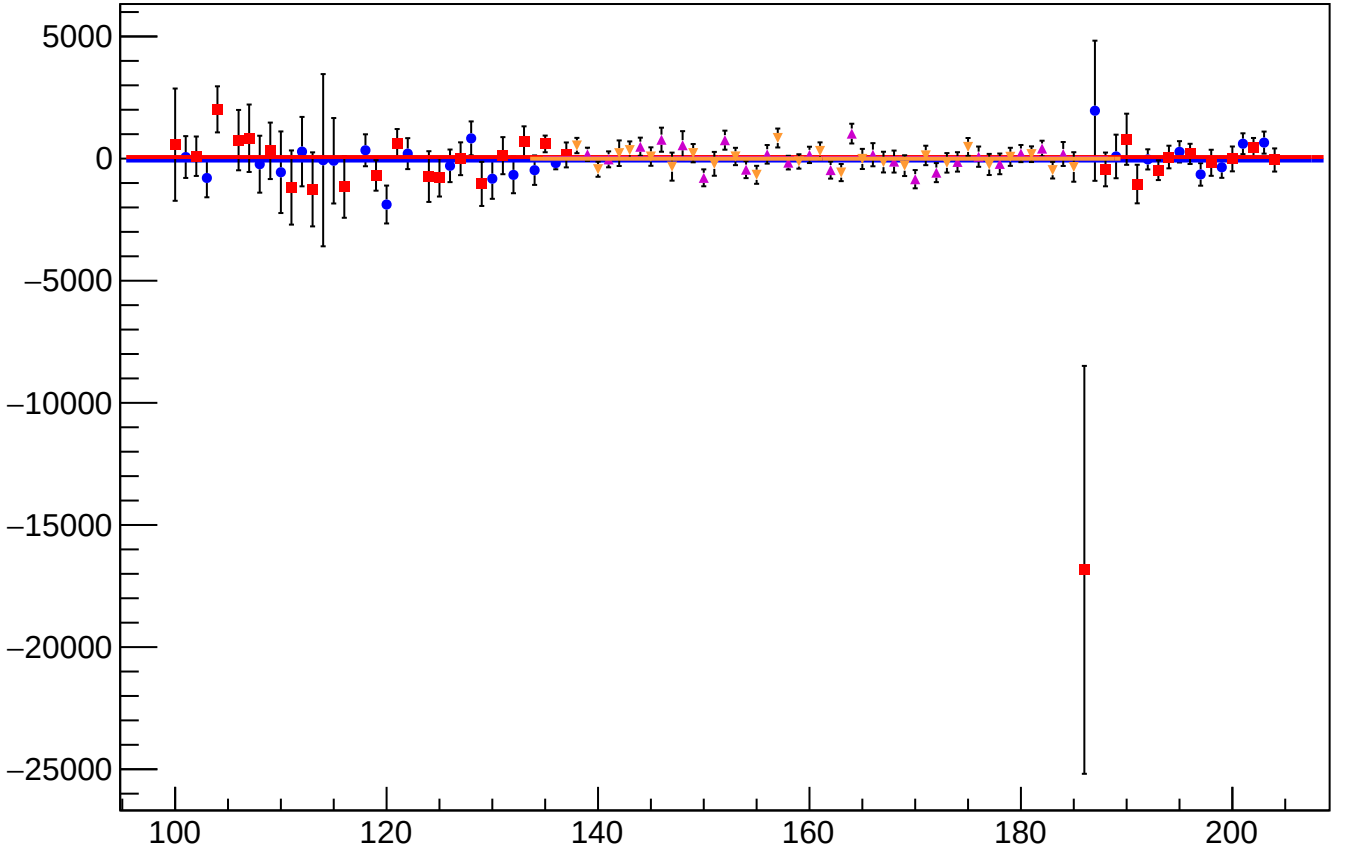
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 78.118+/-0.010 χ^2/NDF: 1107833.4/48

All: 78.471+/-0.007 χ^2/NDF: 2899990.8/101

- sign 78.822+/-0.010 χ^2/NDF: 1789546.9/52

asym_sam1_reg_correction_mean vs Slug



Right In: -79.094+/-119.337 χ^2/NDF: 19.3/23

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 63.651+/-116.353 χ^2/NDF: 26.7/29

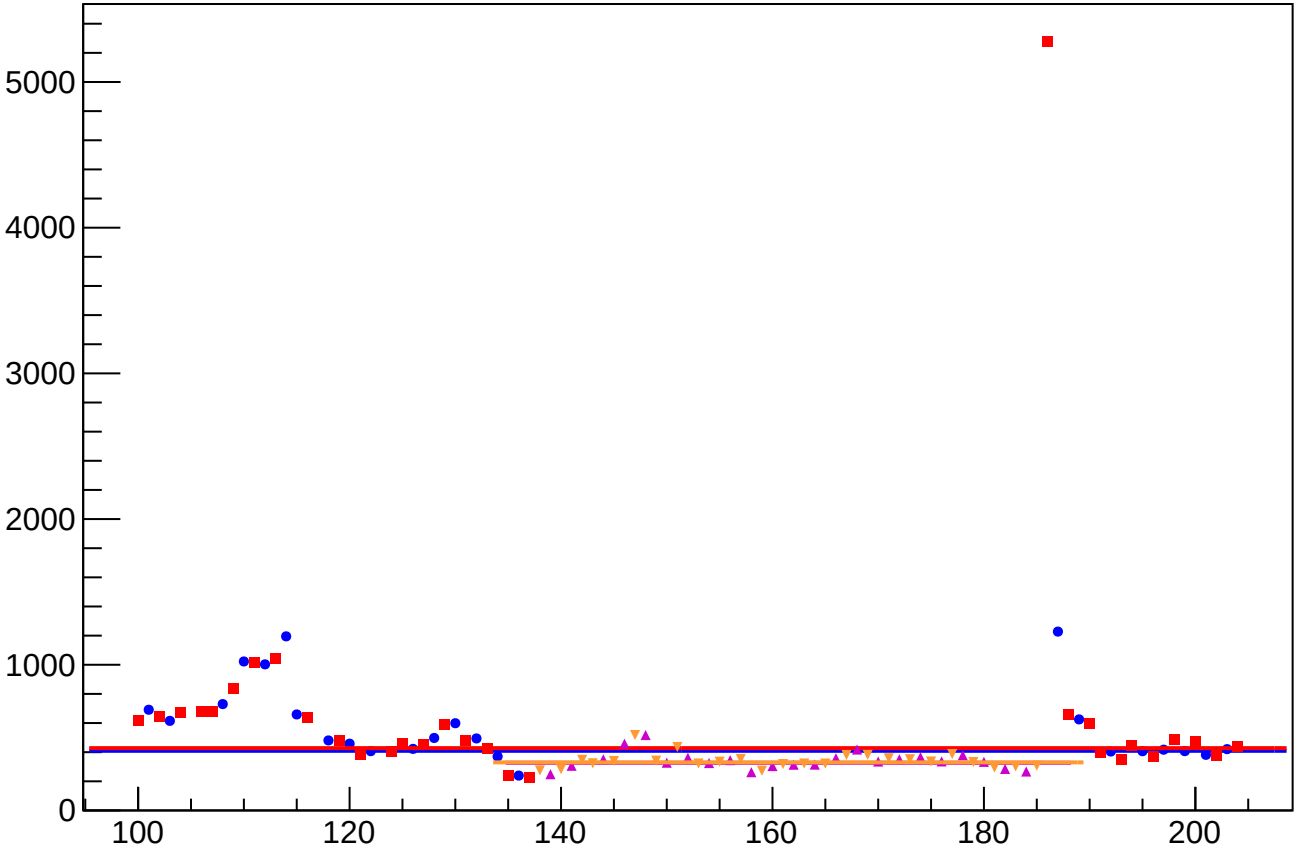
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -25.238+/-64.022 χ^2/NDF: 43.6/48

All: 3.622+/-45.447 χ^2/NDF: 105.8/101

- sign 32.938+/-64.525 χ^2/NDF: 61.8/52

asym_sam1_reg_correction_rms vs Slug



Right In: 409.466+/-0.084 χ^2/NDF: 2653609.2/23

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 427.795+/-0.082 χ^2/NDF: 3515597.2/29

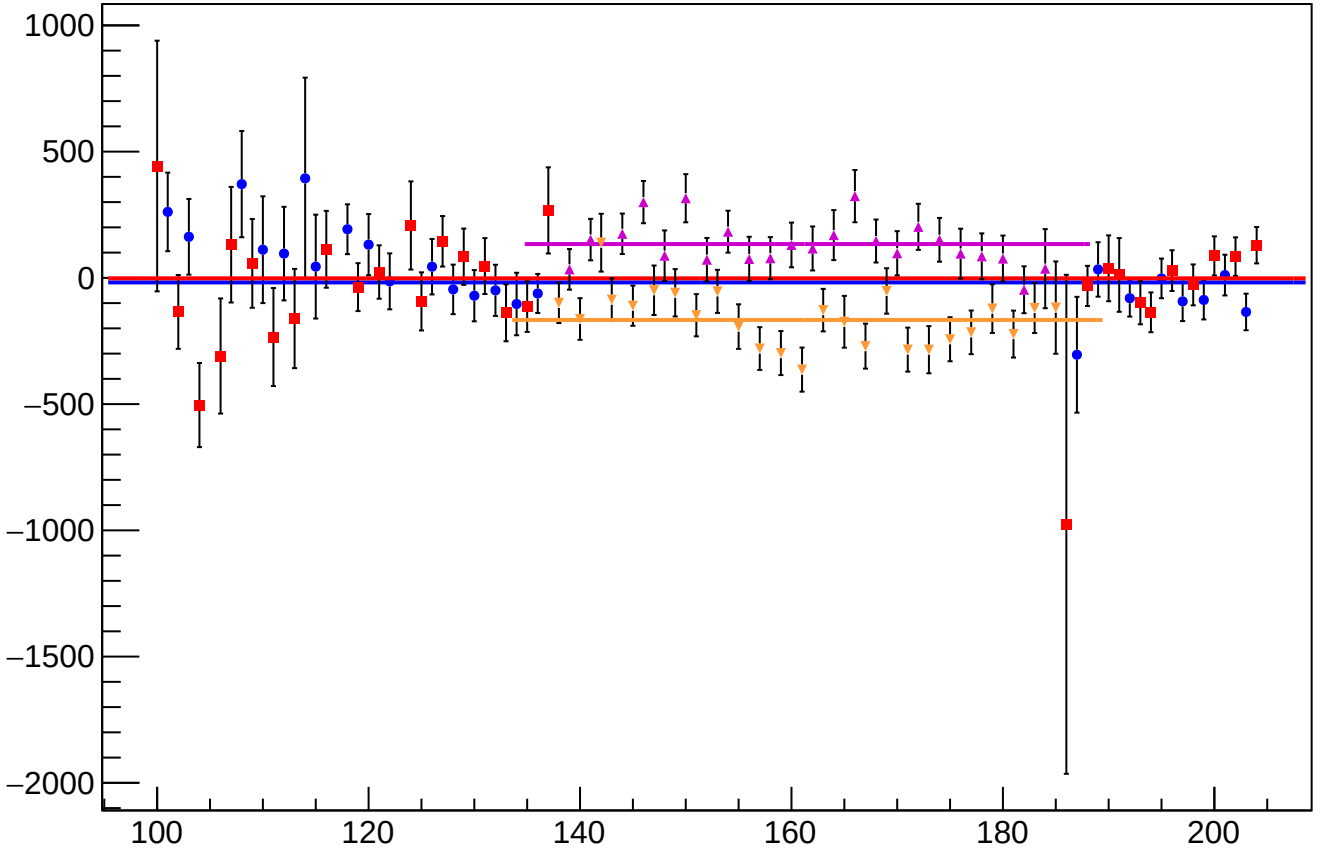
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 352.848+/-0.045 χ^2/NDF: 3944961.7/48

All: 355.390+/-0.032 χ^2/NDF: 9406311.7/101

- sign 357.973+/-0.046 χ^2/NDF: 5454993.1/52

cor_asym_sam1_mean vs Slug



Right In: -18.044+/-21.384 χ^2/NDF: 24.7/23

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -1.891+/-20.262 χ^2/NDF: 37.6/29

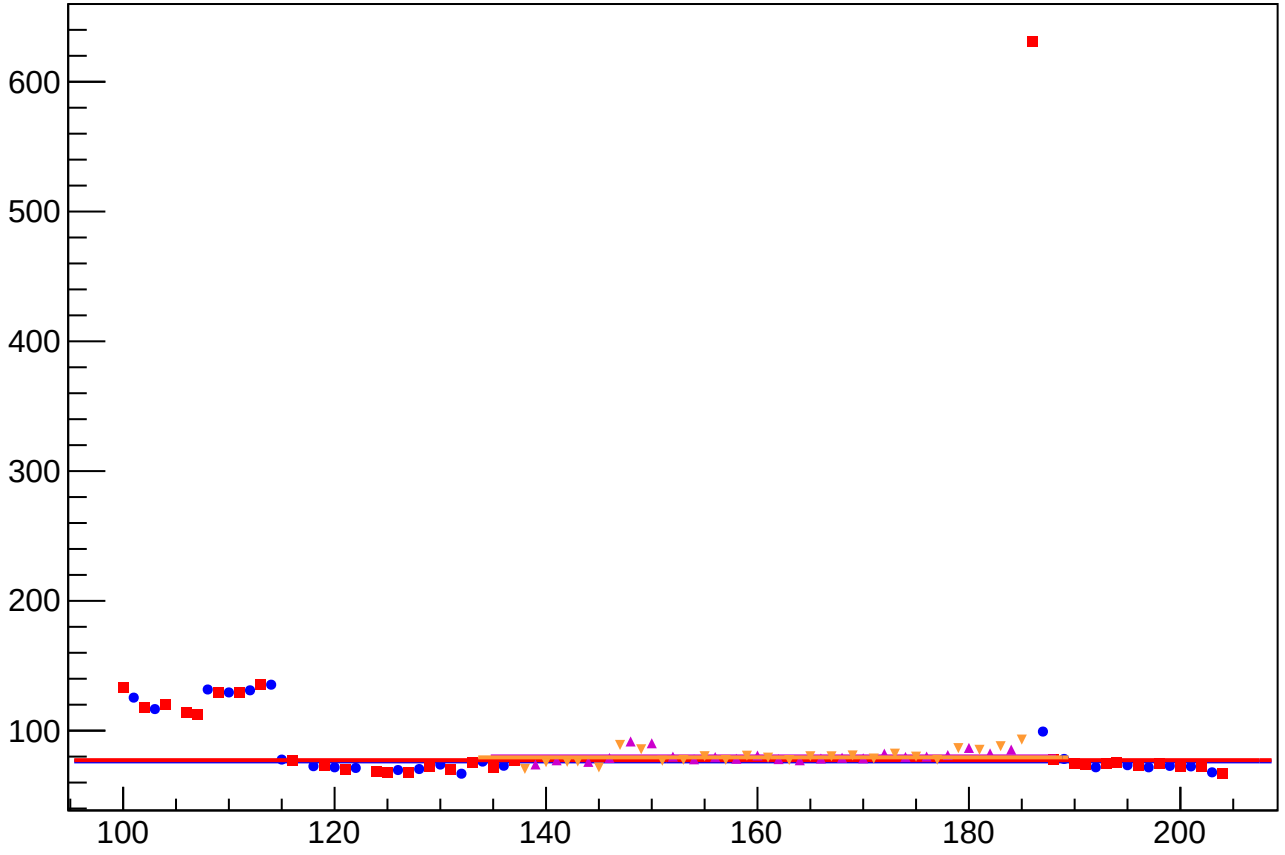
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -104.721+/-13.806 χ^2/NDF: 84.5/48

All: -16.487+/-9.747 χ^2/NDF: 248.4/101

- sign 71.211+/-13.764 χ^2/NDF: 82.5/52

cor_asym_sam1_rms vs Slug



Right In: 76.309+/-0.015 χ^2/NDF: 948507.5/23

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 77.254+/-0.014 χ^2/NDF: 1673848.6/29

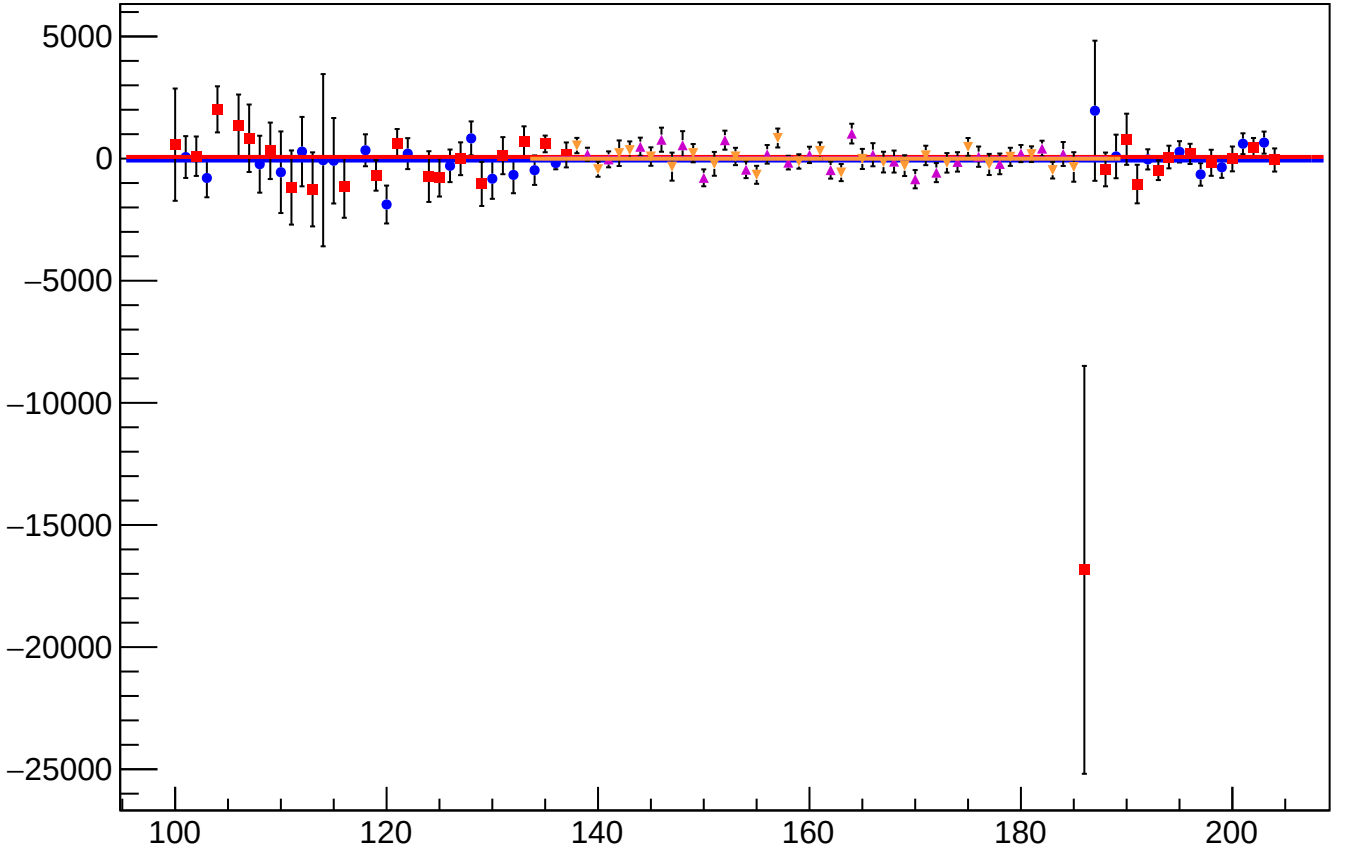
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 78.118+/-0.010 χ^2/NDF: 1107833.6/48

All: 78.469+/-0.007 χ^2/NDF: 2897899.0/101

- sign 78.819+/-0.010 χ^2/NDF: 1787477.1/52

asym_sam1_cor_correction_mean vs Slug



Right In: -79.093+/-119.337 χ^2/NDF: 19.3/23

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 68.223+/-116.385 χ^2/NDF: 27.4/29

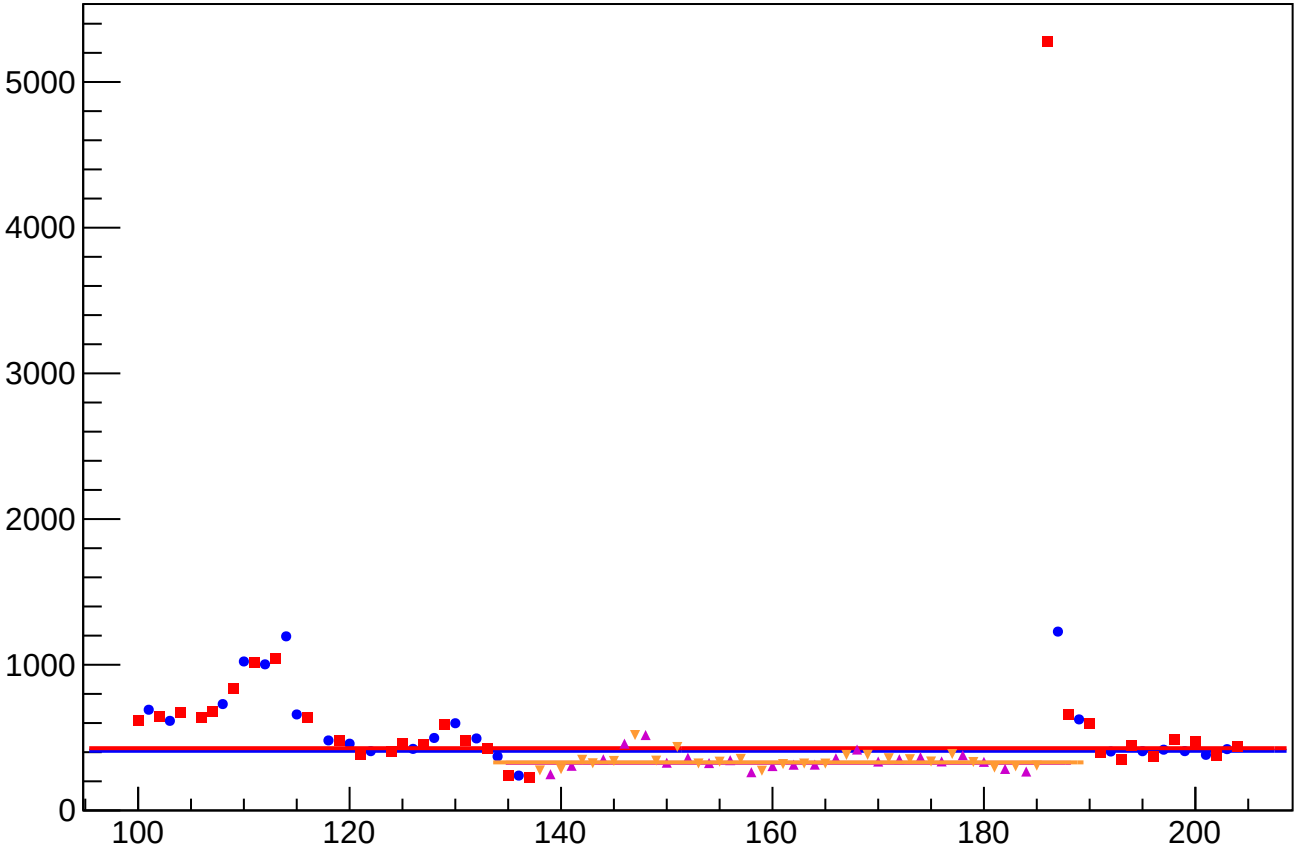
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -25.238+/-64.022 χ^2/NDF: 43.6/48

All: 4.317+/-45.449 χ^2/NDF: 106.5/101

- sign 34.343+/-64.530 χ^2/NDF: 62.5/52

asym_sam1_cor_correction_rms vs Slug



Right In: 409.466+/-0.084 χ^2/NDF: 2653603.7/23

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 427.334+/-0.082 χ^2/NDF: 3488115.7/29

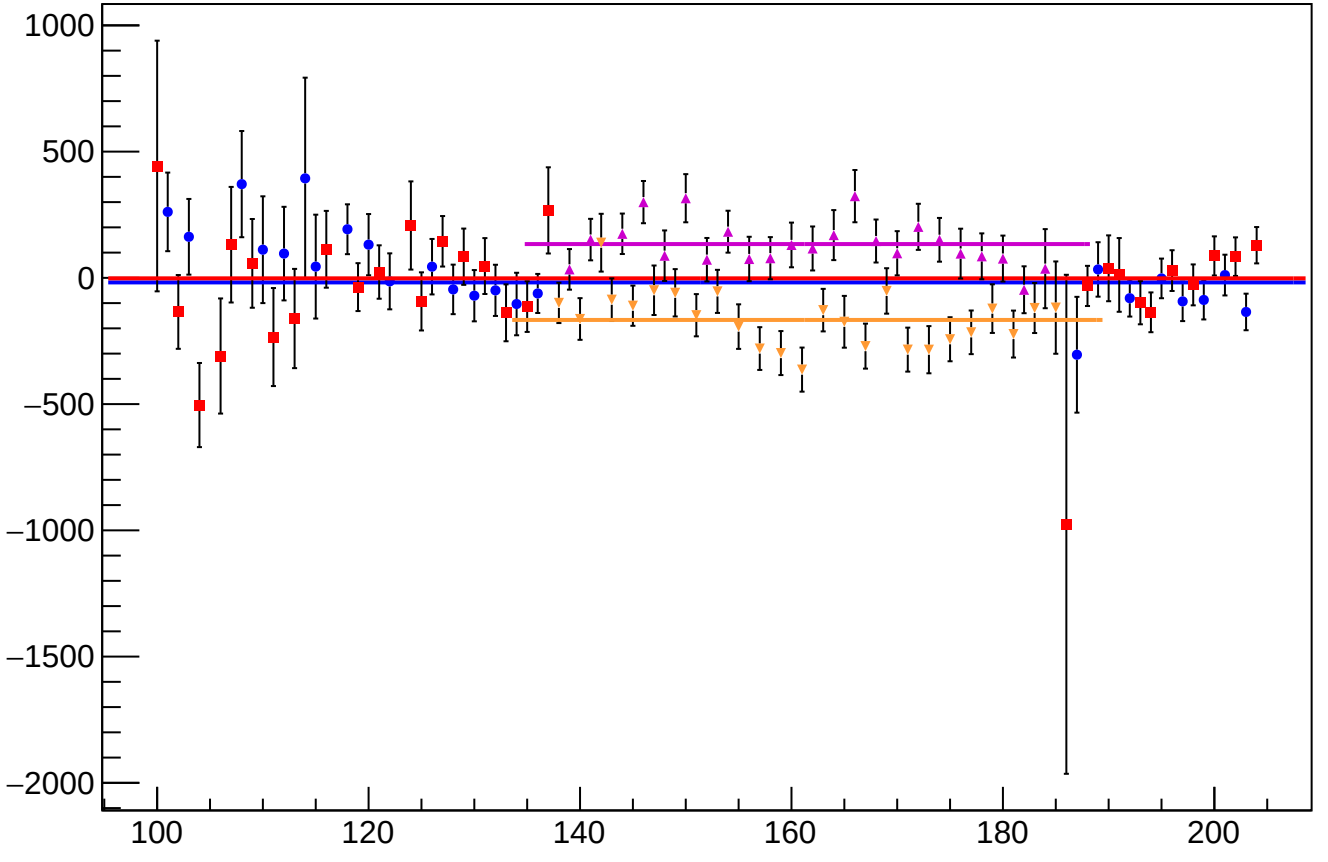
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 352.848+/-0.045 χ^2/NDF: 3944968.8/48

All: 355.314+/-0.032 χ^2/NDF: 9368589.7/101

- sign 357.819+/-0.046 χ^2/NDF: 5417639.1/52

eigen_cor_asym_sam1_mean vs Slug



Right In: -18.044+/-21.384 χ^2/NDF: 24.7/23

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -1.891+/-20.262 χ^2/NDF: 37.6/29

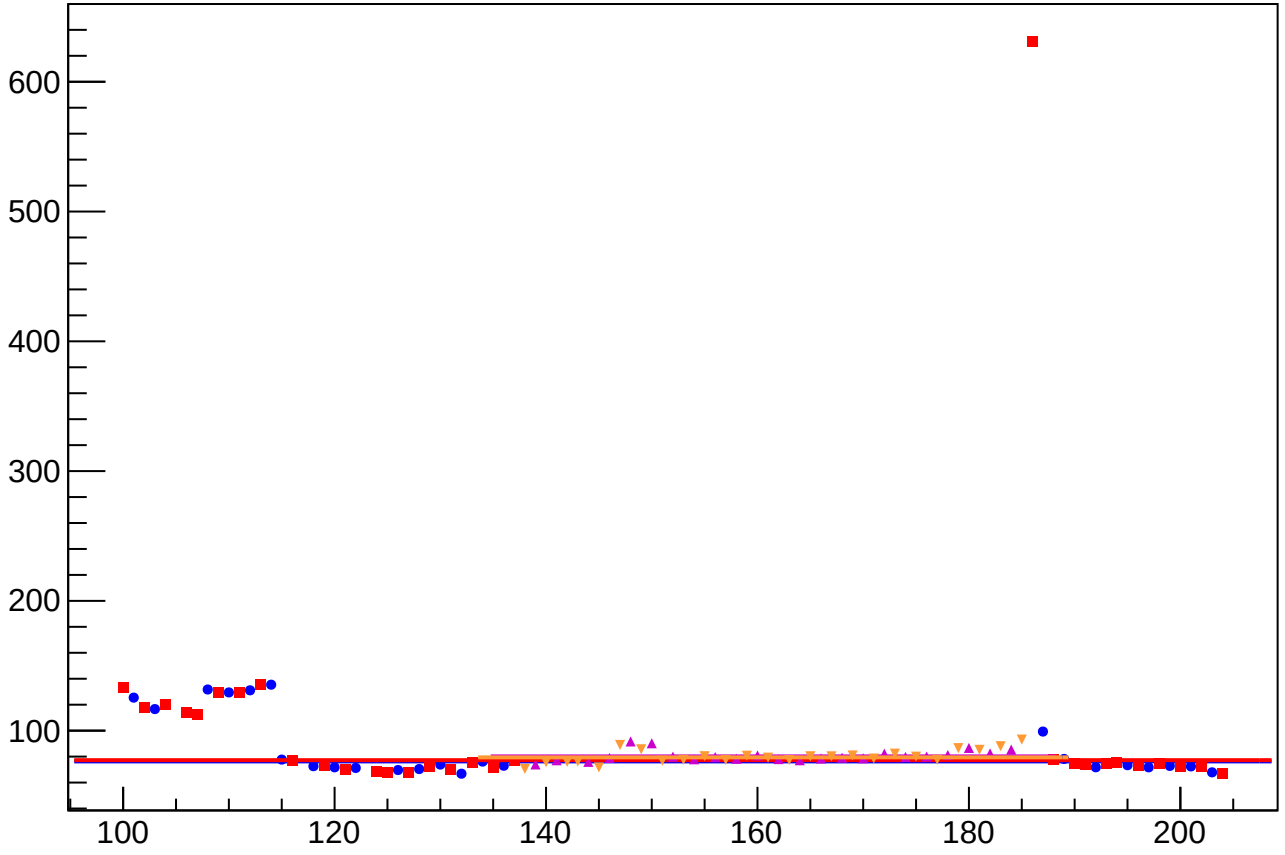
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -104.721+/-13.806 χ^2/NDF: 84.5/48

All: -16.487+/-9.747 χ^2/NDF: 248.4/101

- sign 71.211+/-13.764 χ^2/NDF: 82.5/52

eigen_cor_asym_sam1_rms vs Slug



Right In: 76.309+/-0.015 χ^2/NDF: 948507.5/23

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 77.254+/-0.014 χ^2/NDF: 1673848.6/29

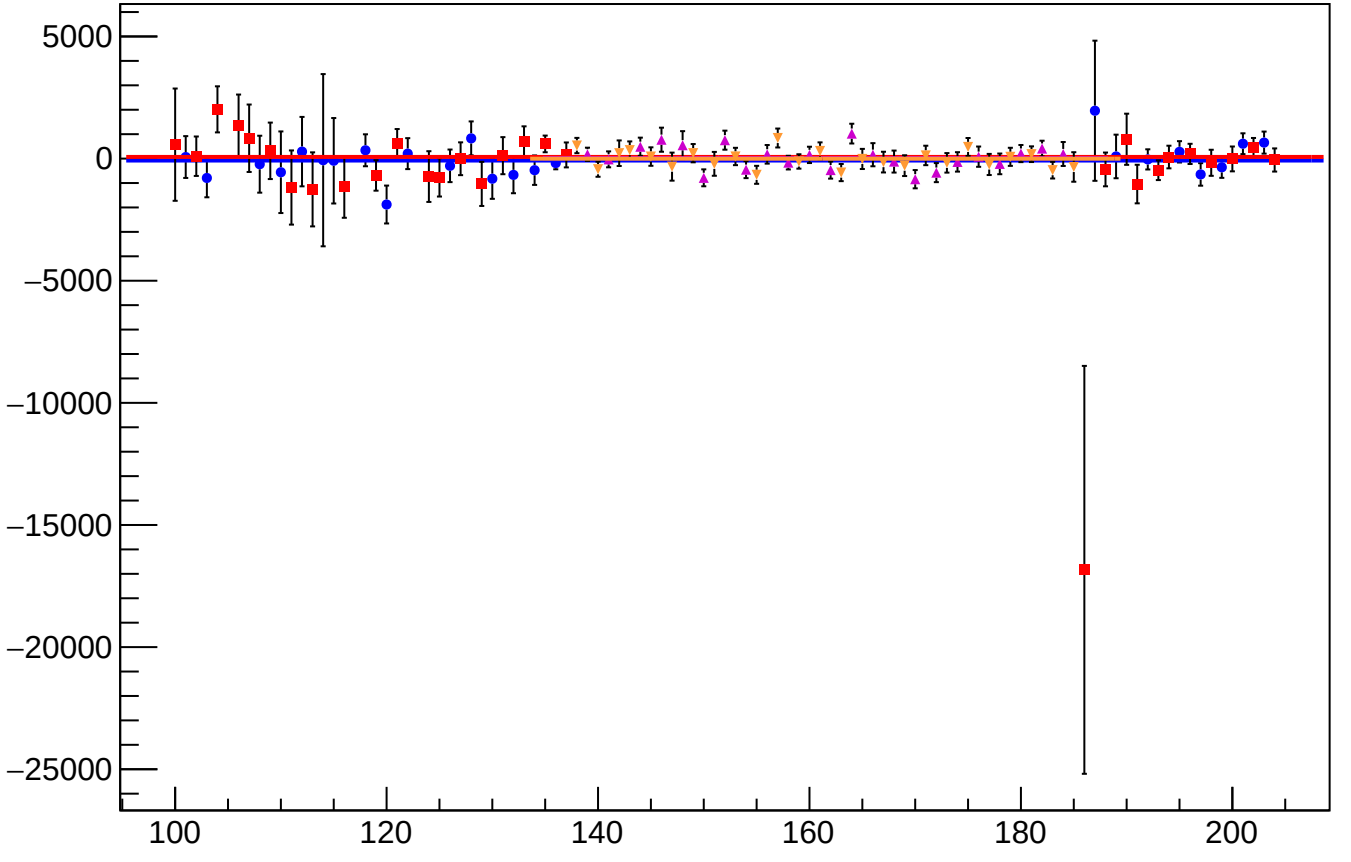
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 78.118+/-0.010 χ^2/NDF: 1107833.6/48

All: 78.469+/-0.007 χ^2/NDF: 2897899.0/101

- sign 78.819+/-0.010 χ^2/NDF: 1787477.1/52

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -79.093+/-119.337 χ^2/NDF: 19.3/23

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 68.223+/-116.385 χ^2/NDF: 27.4/29

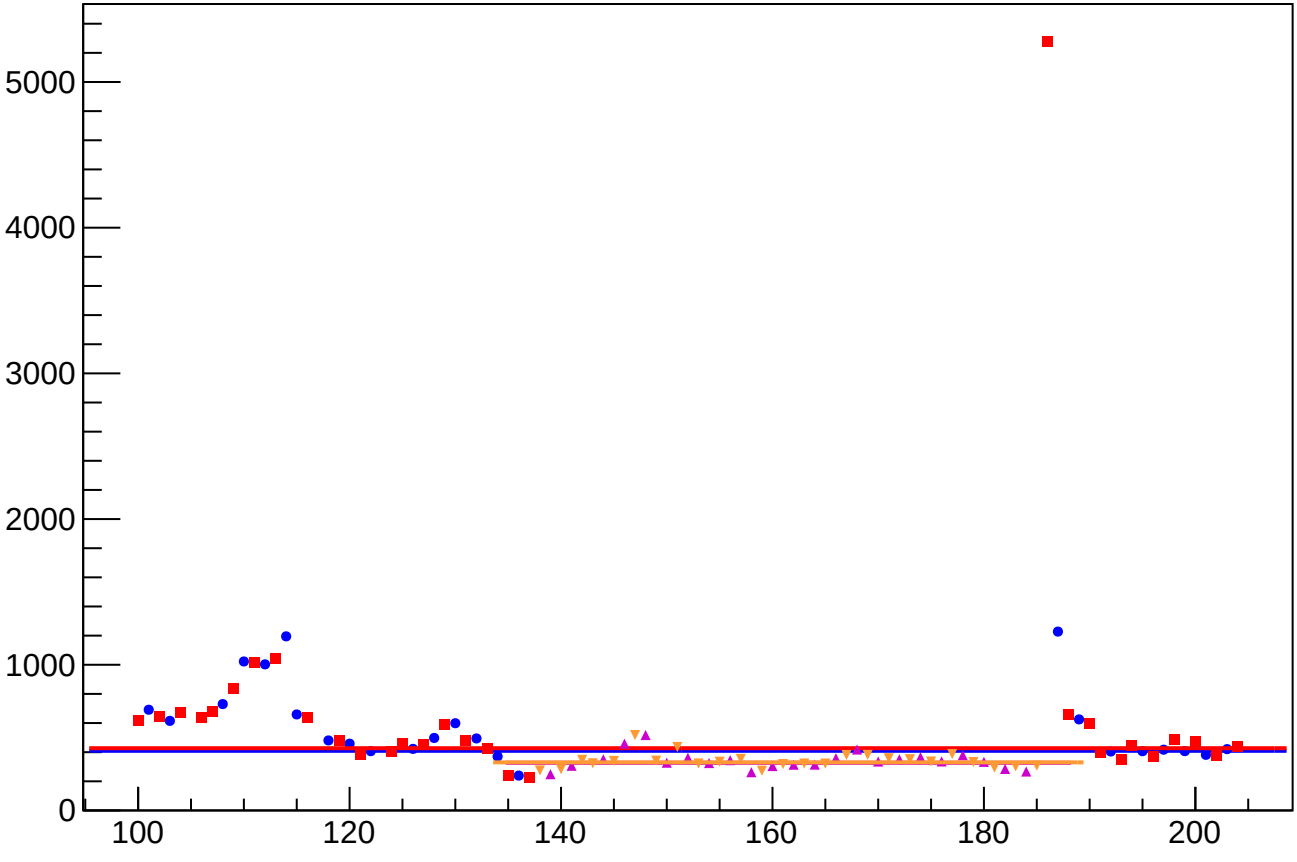
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -25.238+/-64.022 χ^2/NDF: 43.6/48

All: 4.317+/-45.449 χ^2/NDF: 106.5/101

- sign 34.343+/-64.530 χ^2/NDF: 62.5/52

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 409.466+/-0.084 χ^2/NDF: 2653603.7/23

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 427.334+/-0.082 χ^2/NDF: 3488115.7/29

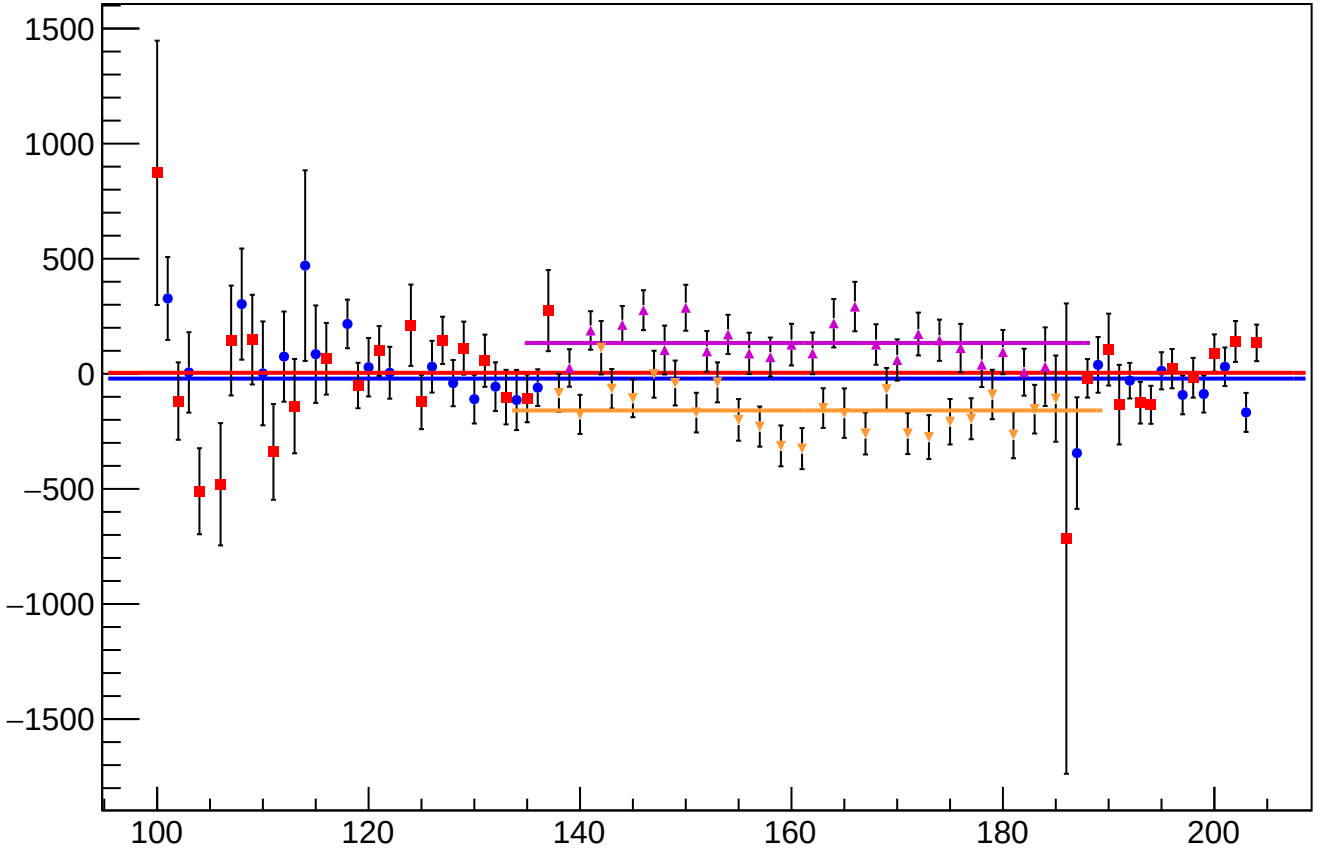
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 352.848+/-0.045 χ^2/NDF: 3944968.8/48

All: 355.314+/-0.032 χ^2/NDF: 9368589.7/101

- sign 357.819+/-0.046 χ^2/NDF: 5417639.1/52

dit_asym_sam1_mean vs Slug



Right In: -20.804+/-22.701 χ^2/NDF: 21.5/23

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 4.383+/-21.584 χ^2/NDF: 41.7/29

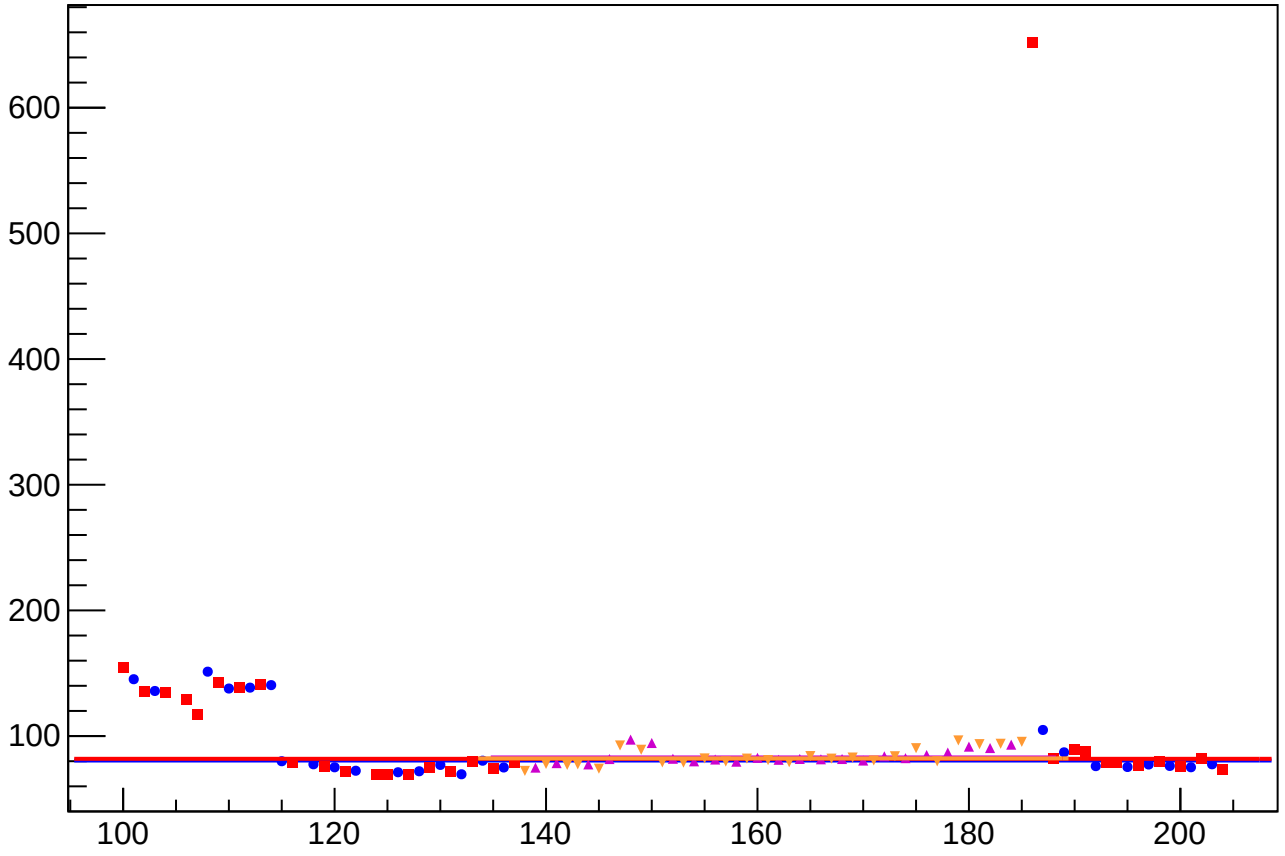
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -103.090+/-14.456 χ^2/NDF: 71.8/48

All: -13.503+/-10.218 χ^2/NDF: 226.6/101

- sign 75.951+/-14.445 χ^2/NDF: 78.0/52

dit_asym_sam1_rms vs Slug



Right In: 80.555+/-0.016 χ^2/NDF: 1113274.1/23

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 81.900+/-0.015 χ^2/NDF: 1814556.0/29

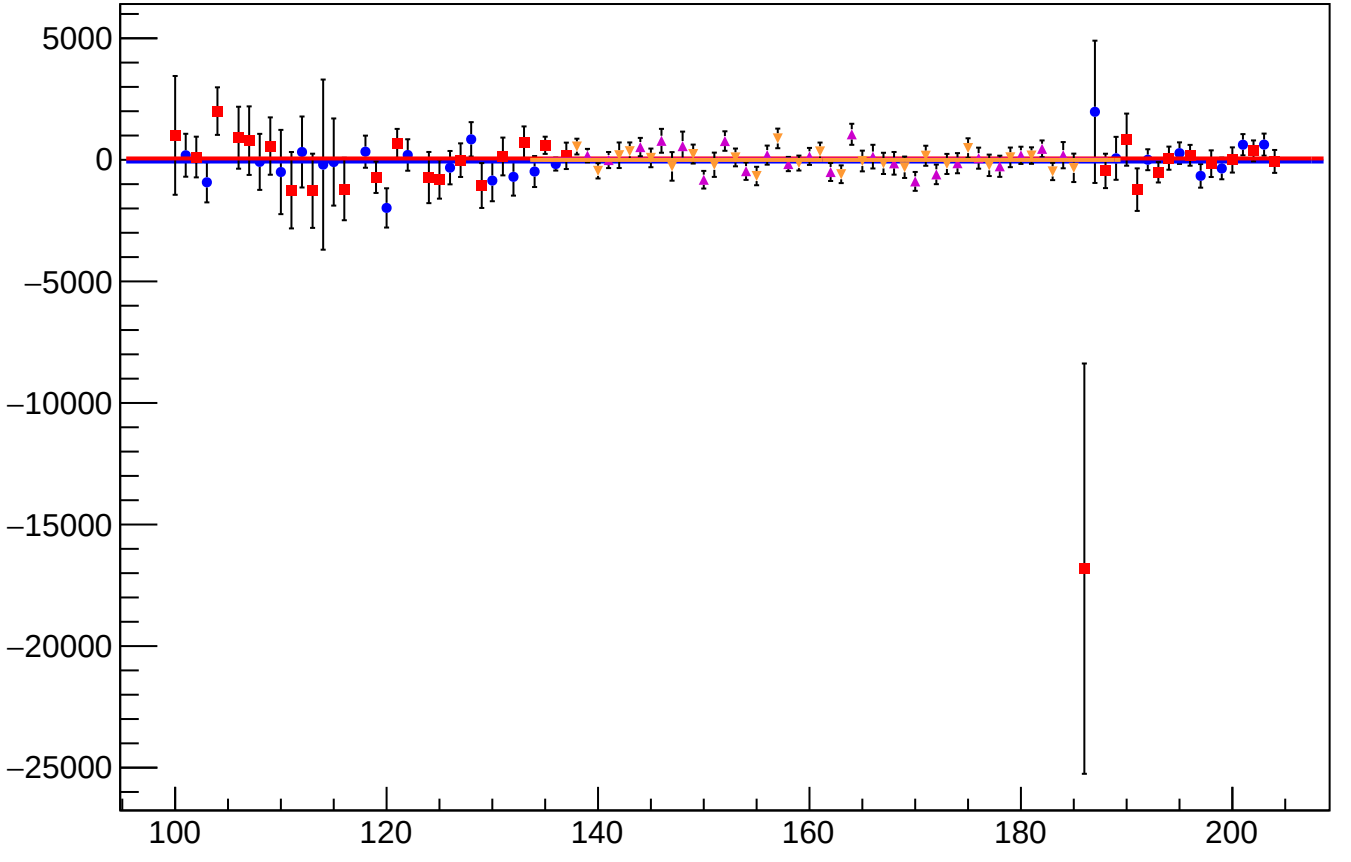
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 81.561+/-0.010 χ^2/NDF: 1336427.9/48

All: 82.033+/-0.007 χ^2/NDF: 3303677.1/101

- sign 82.504+/-0.010 χ^2/NDF: 1962995.4/52

asym_sam1_dit_correction_mean vs Slug



Right In: -69.062+/-123.242 χ^2/NDF: 19.2/23

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 56.624+/-120.433 χ^2/NDF: 26.4/29

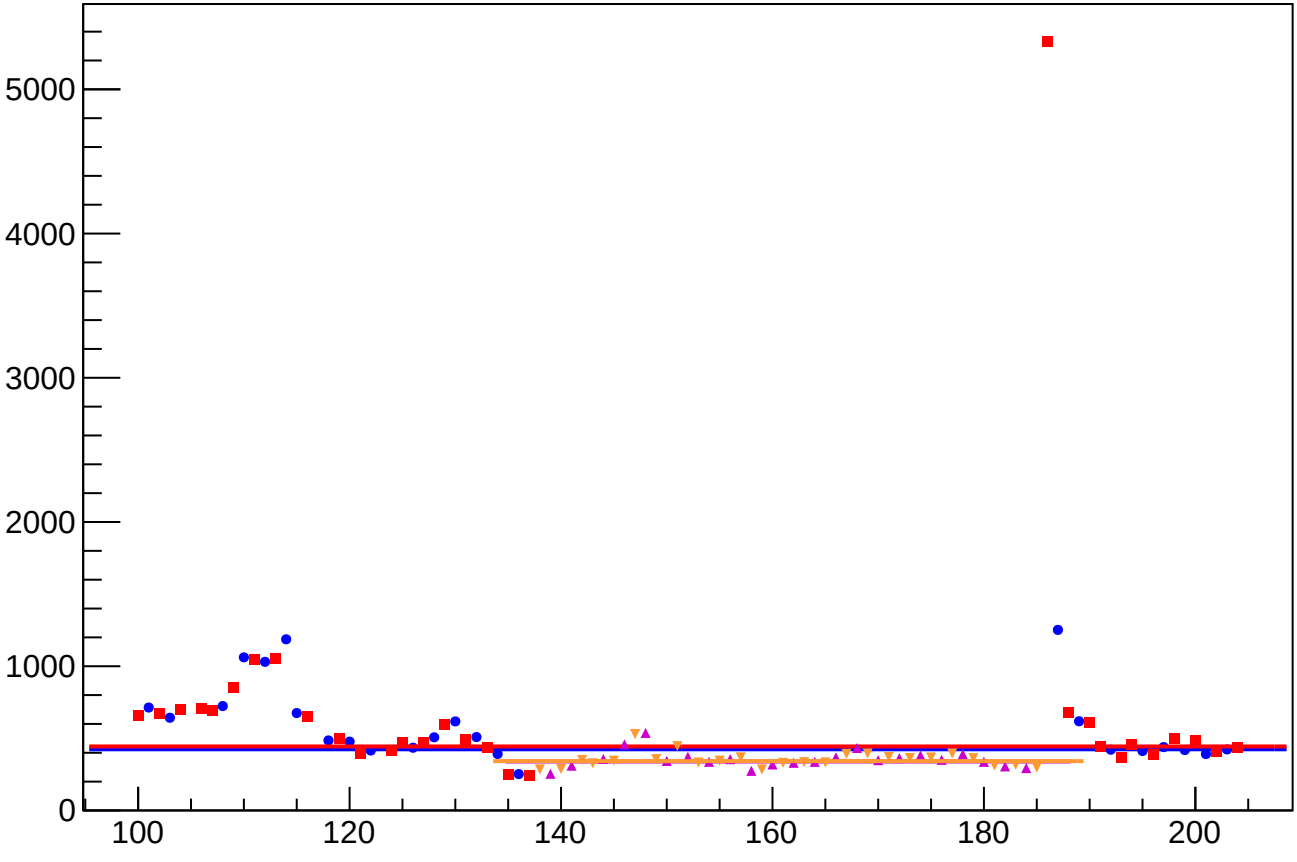
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -22.162+/-66.259 χ^2/NDF: 42.9/48

All: 3.125+/-47.068 χ^2/NDF: 104.6/101

- sign 28.885+/-66.874 χ^2/NDF: 61.4/52

asym_sam1_dit_correction_rms vs Slug



Right In: 424.144+/-0.087 χ^2/NDF: 2527518.4/23

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 443.789+/-0.085 χ^2/NDF: 3401022.9/29

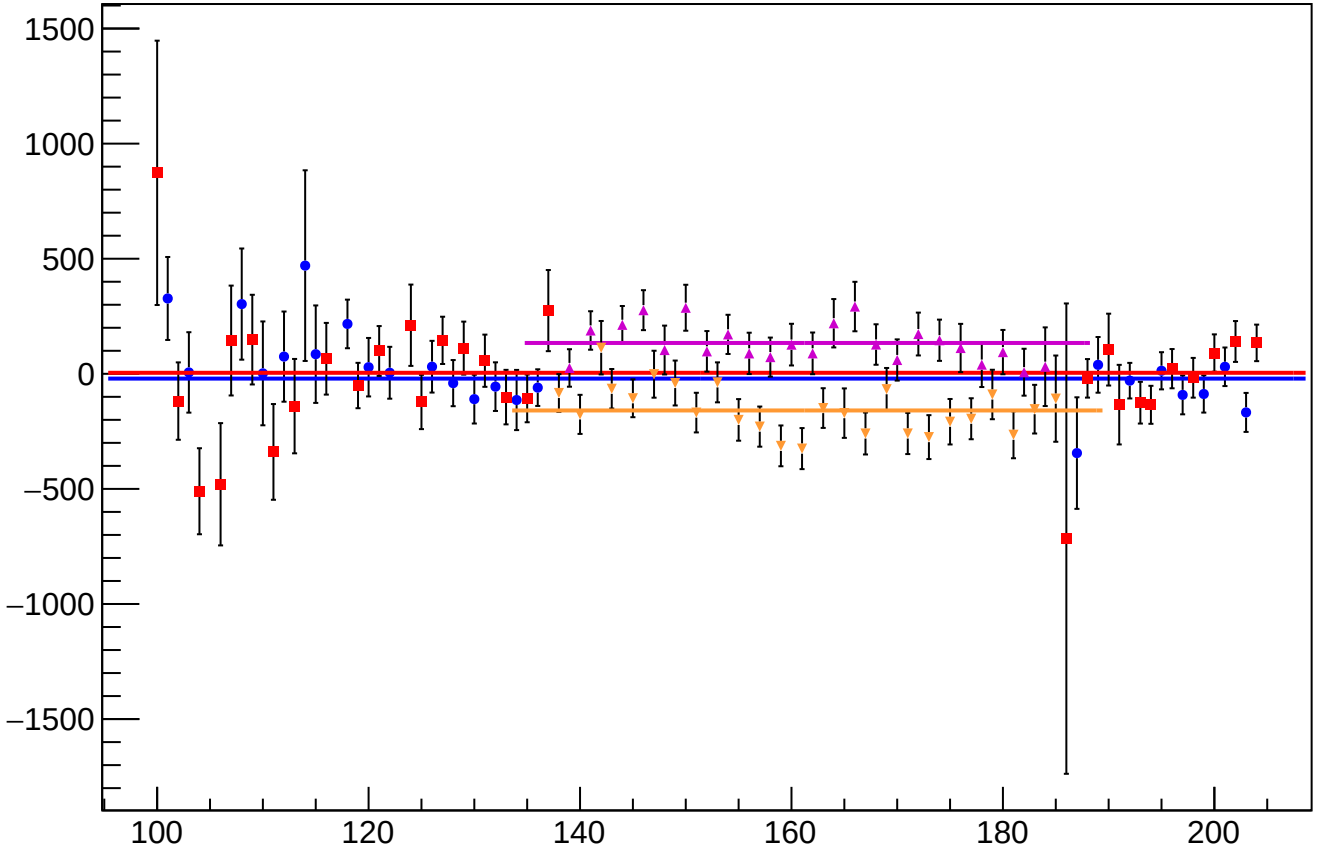
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 365.685+/-0.047 χ^2/NDF: 3814401.5/48

All: 368.619+/-0.033 χ^2/NDF: 9108770.4/101

- sign 371.607+/-0.047 χ^2/NDF: 5286452.8/52

eigen_dit_asym_sam1_mean vs Slug



Right In: -20.804+/-22.701 χ^2/NDF: 21.5/23

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 4.383+/-21.584 χ^2/NDF: 41.7/29

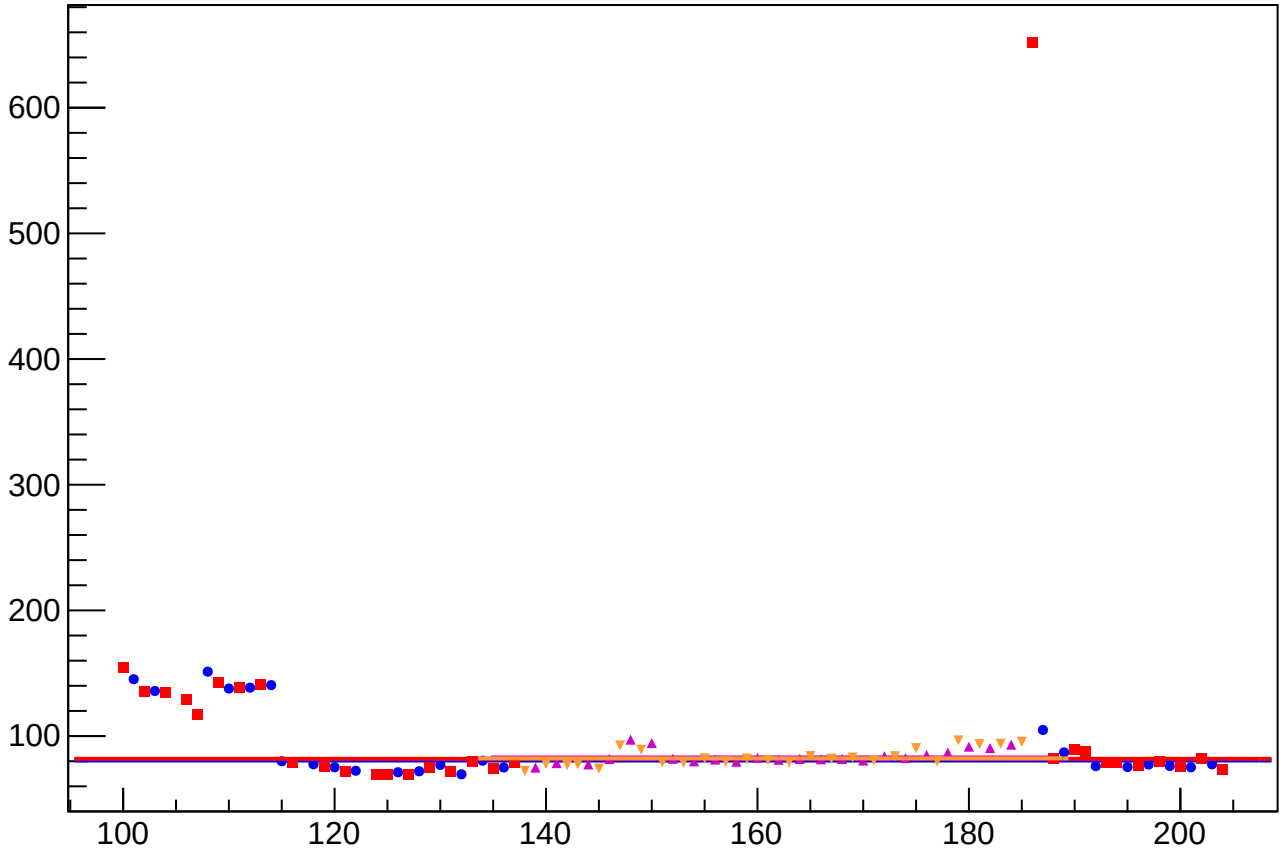
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -103.090+/-14.456 χ^2/NDF: 71.8/48

All: -13.503+/-10.218 χ^2/NDF: 226.6/101

- sign 75.951+/-14.445 χ^2/NDF: 78.0/52

eigen_dit_asym_sam1_rms vs Slug



Right In: 80.555+/-0.016 χ^2/NDF: 1113275.5/23

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 81.900+/-0.015 χ^2/NDF: 1814556.3/29

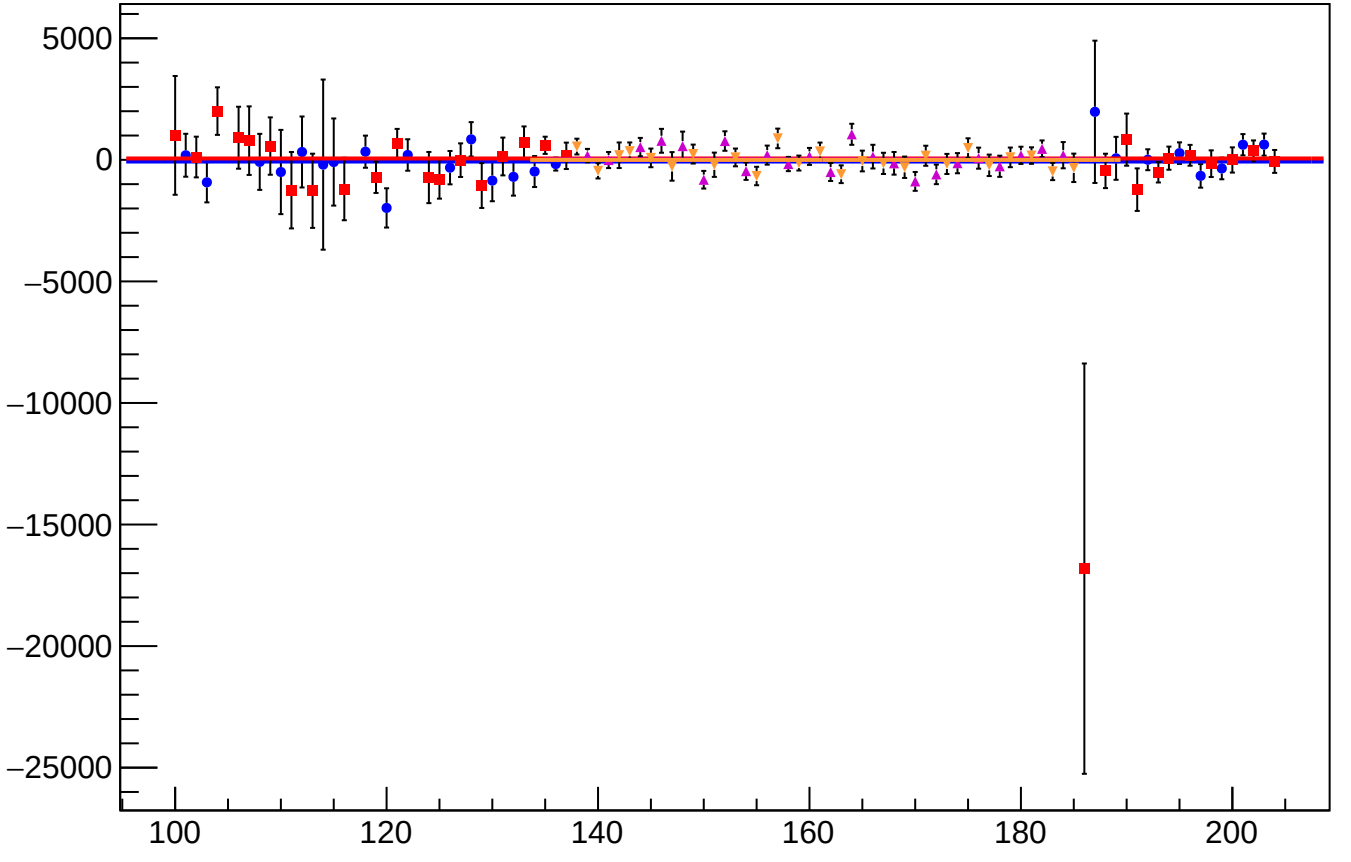
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 81.561+/-0.010 χ^2/NDF: 1336430.4/48

All: 82.033+/-0.007 χ^2/NDF: 3303679.0/101

- sign 82.503+/-0.010 χ^2/NDF: 1962994.9/52

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -69.061+/-123.242 χ^2/NDF: 19.2/23

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 56.624+/-120.432 χ^2/NDF: 26.4/29

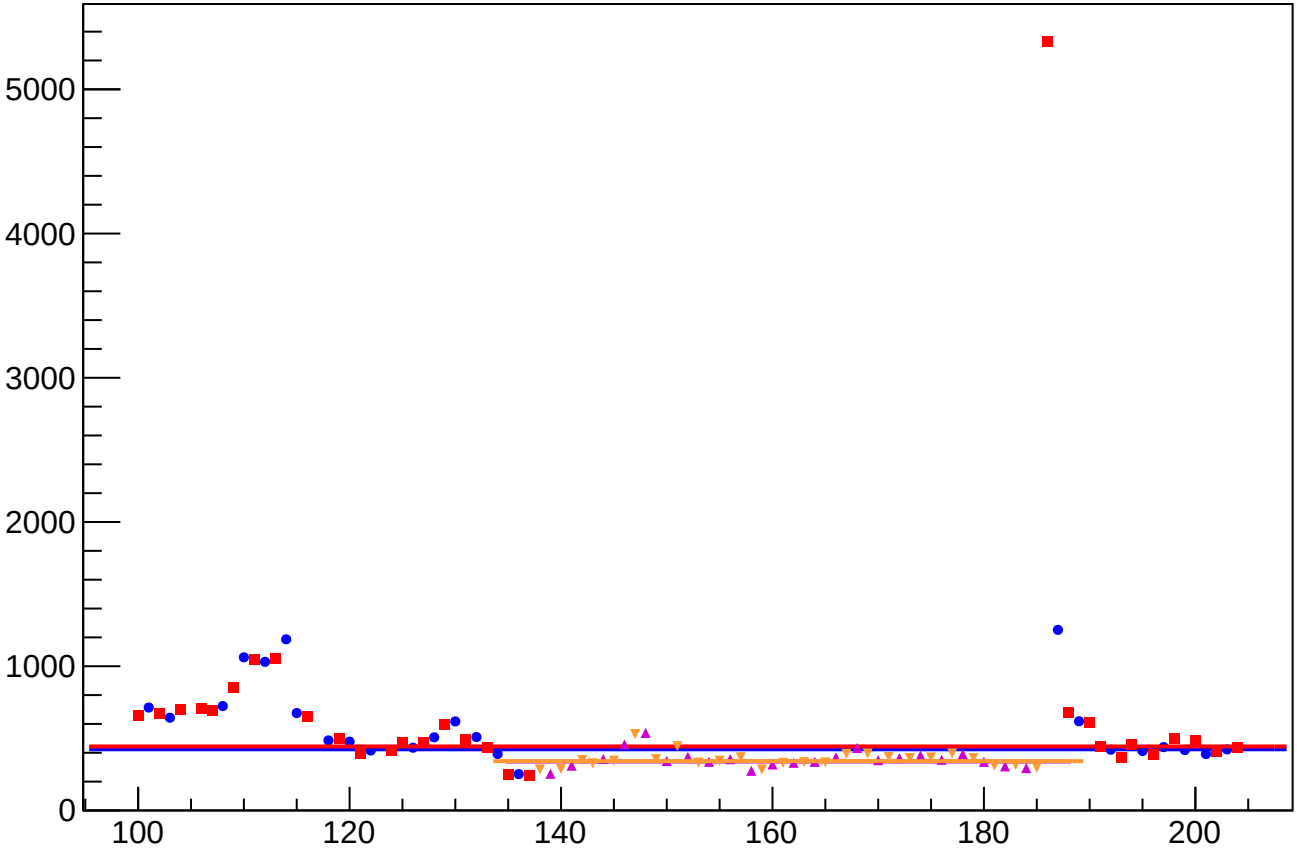
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -22.161+/-66.259 χ^2/NDF: 42.9/48

All: 3.126+/-47.068 χ^2/NDF: 104.6/101

- sign 28.885+/-66.874 χ^2/NDF: 61.4/52

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 424.143+/-0.087 χ^2/NDF: 2527523.9/23

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 443.788+/-0.085 χ^2/NDF: 3401031.5/29

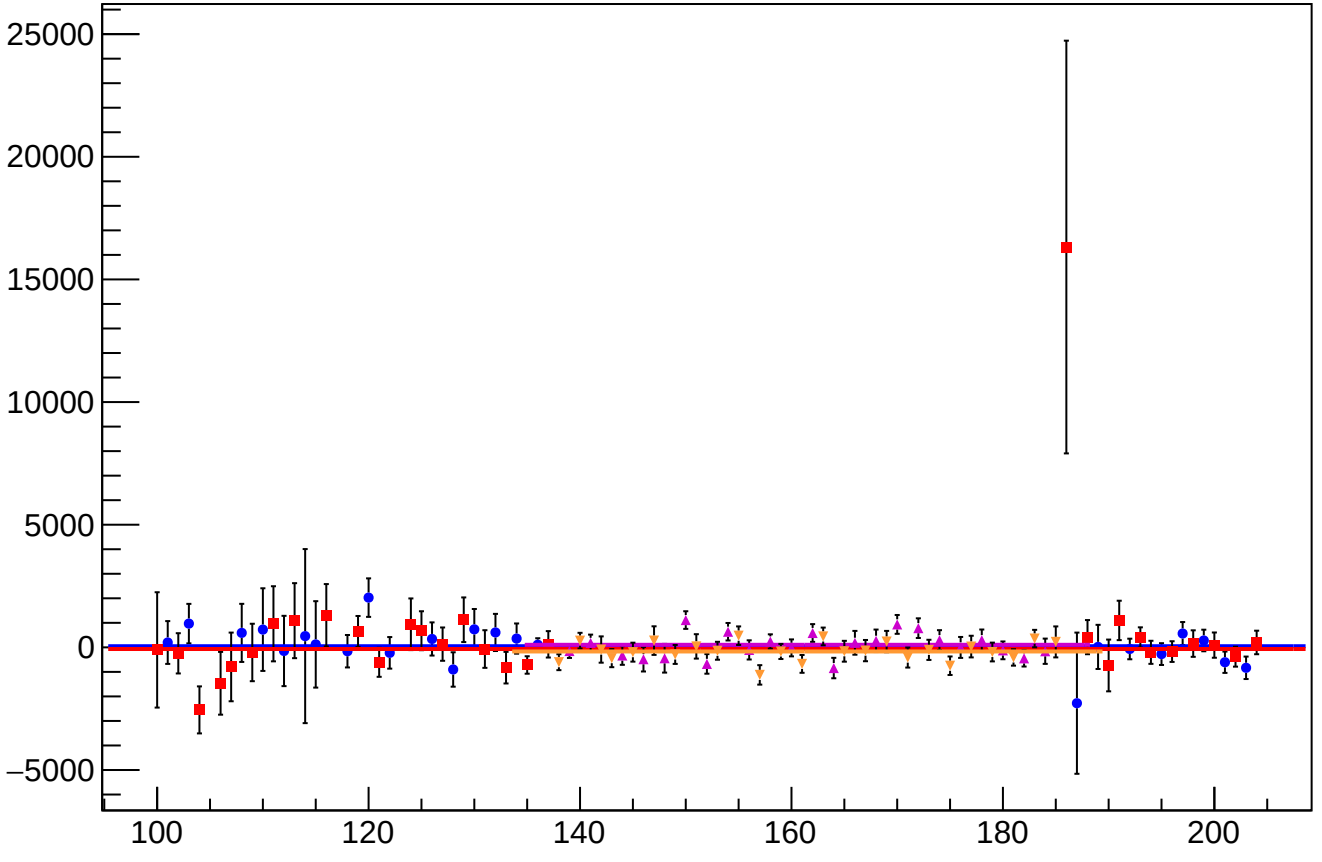
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 365.684+/-0.047 χ^2/NDF: 3814398.1/48

All: 368.618+/-0.033 χ^2/NDF: 9108761.9/101

- sign 371.607+/-0.047 χ^2/NDF: 5286447.9/52

asym_sam1_mean vs Slug



Right In: 46.284+/-121.940 χ^2/NDF: 20.7/23

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -67.002+/-118.728 χ^2/NDF: 30.4/29

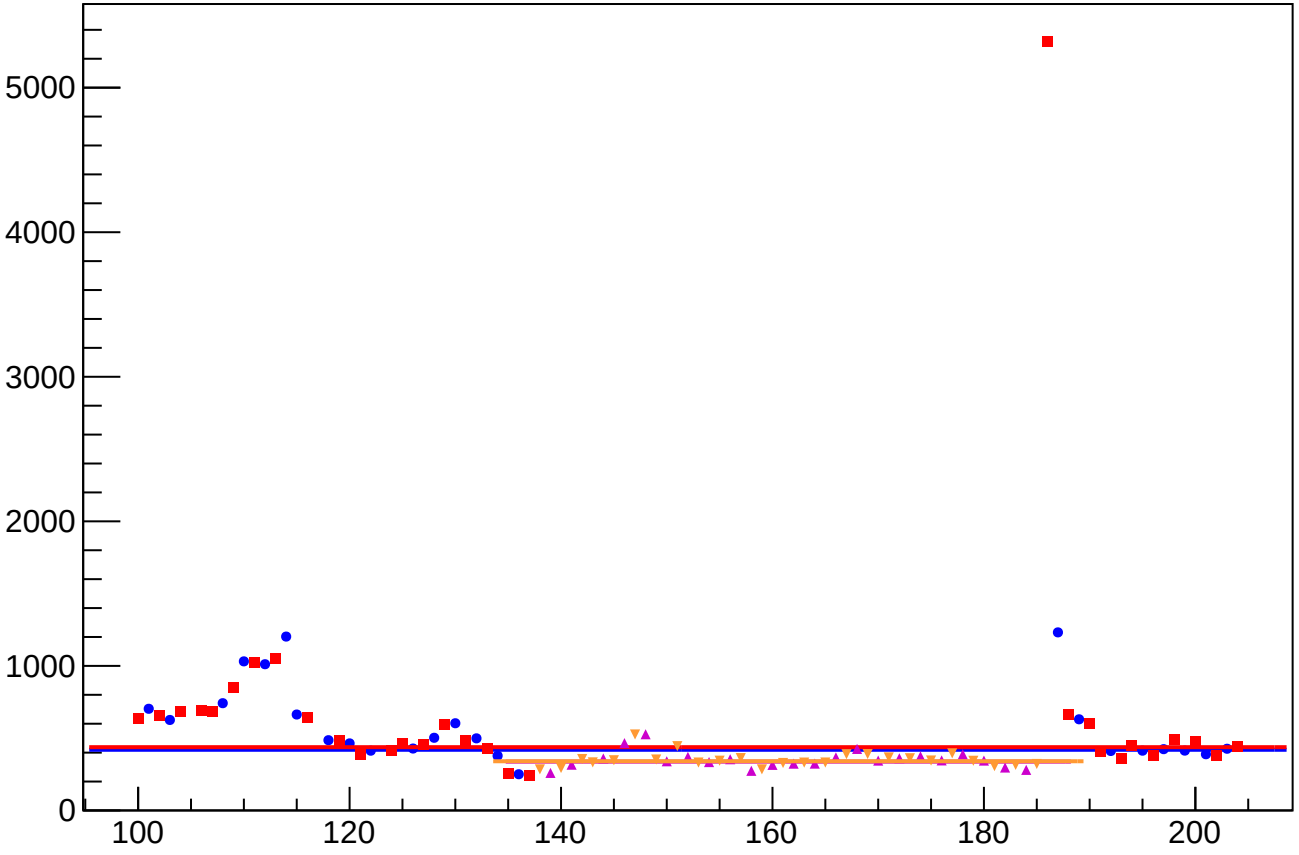
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -105.138+/-65.814 χ^2/NDF: 48.4/48

All: -27.881+/-46.723 χ^2/NDF: 120.5/101

- sign 50.620+/-66.342 χ^2/NDF: 69.3/52

asym_sam1_rms vs Slug



Right In: 419.762+/-0.086 χ^2/NDF: 2506339.2/23

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 437.687+/-0.084 χ^2/NDF: 3360268.4/29

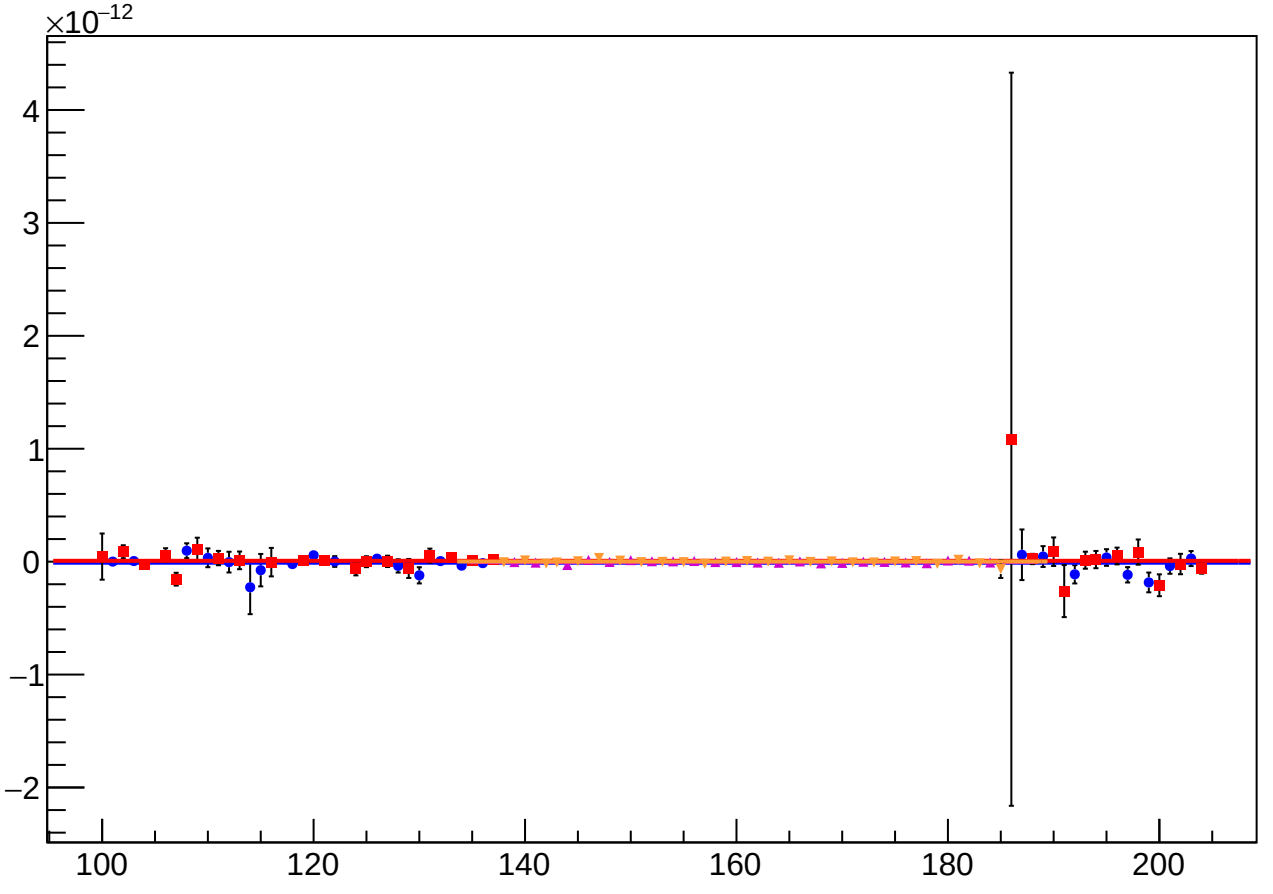
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 363.512+/-0.047 χ^2/NDF: 3711007.1/48

All: 366.214+/-0.033 χ^2/NDF: 8873171.8/101

- sign 368.959+/-0.047 χ^2/NDF: 5155370.4/52

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/29

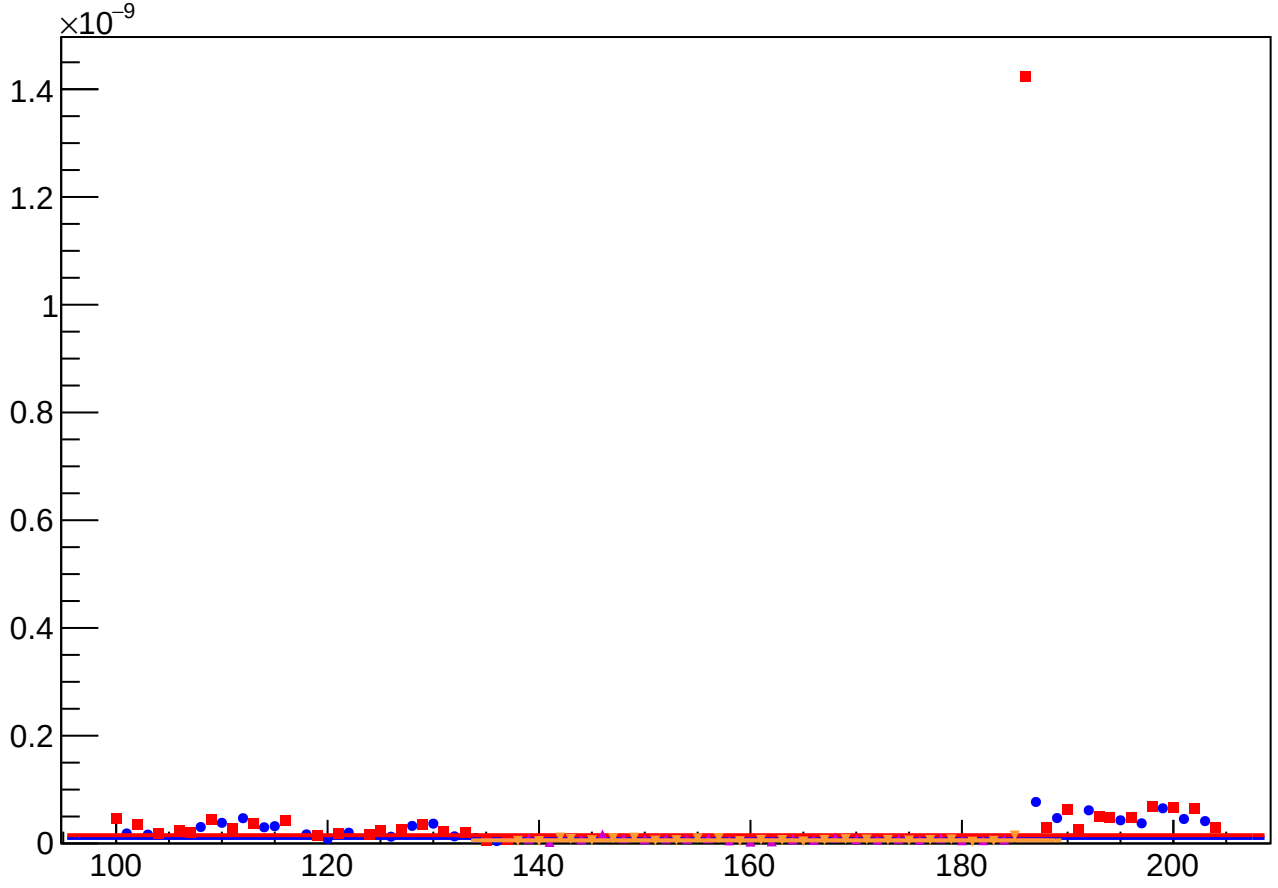
Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.1/48

All: -0.000+/-0.000 χ^2/NDF: 83.5/101

- sign -0.000+/-0.000 χ^2/NDF: 40.0/52

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6706672.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6973505.8/29

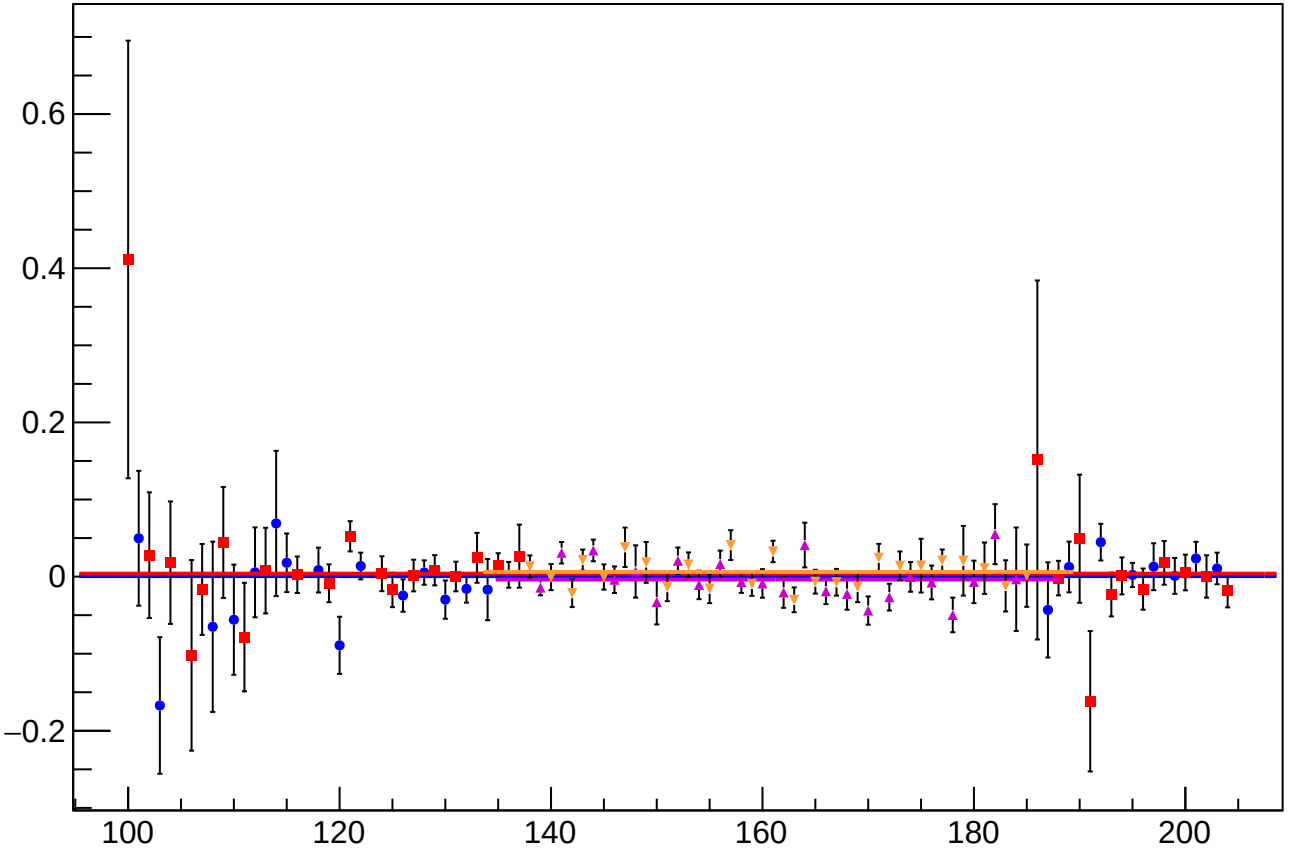
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8805263.2/48

All: 0.000+/-0.000 χ^2/NDF: 20347826.4/101

- sign 0.000+/-0.000 χ^2/NDF: 11430085.2/52

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.005 χ^2/NDF: 21.8/23

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.005 χ^2/NDF: 20.1/29

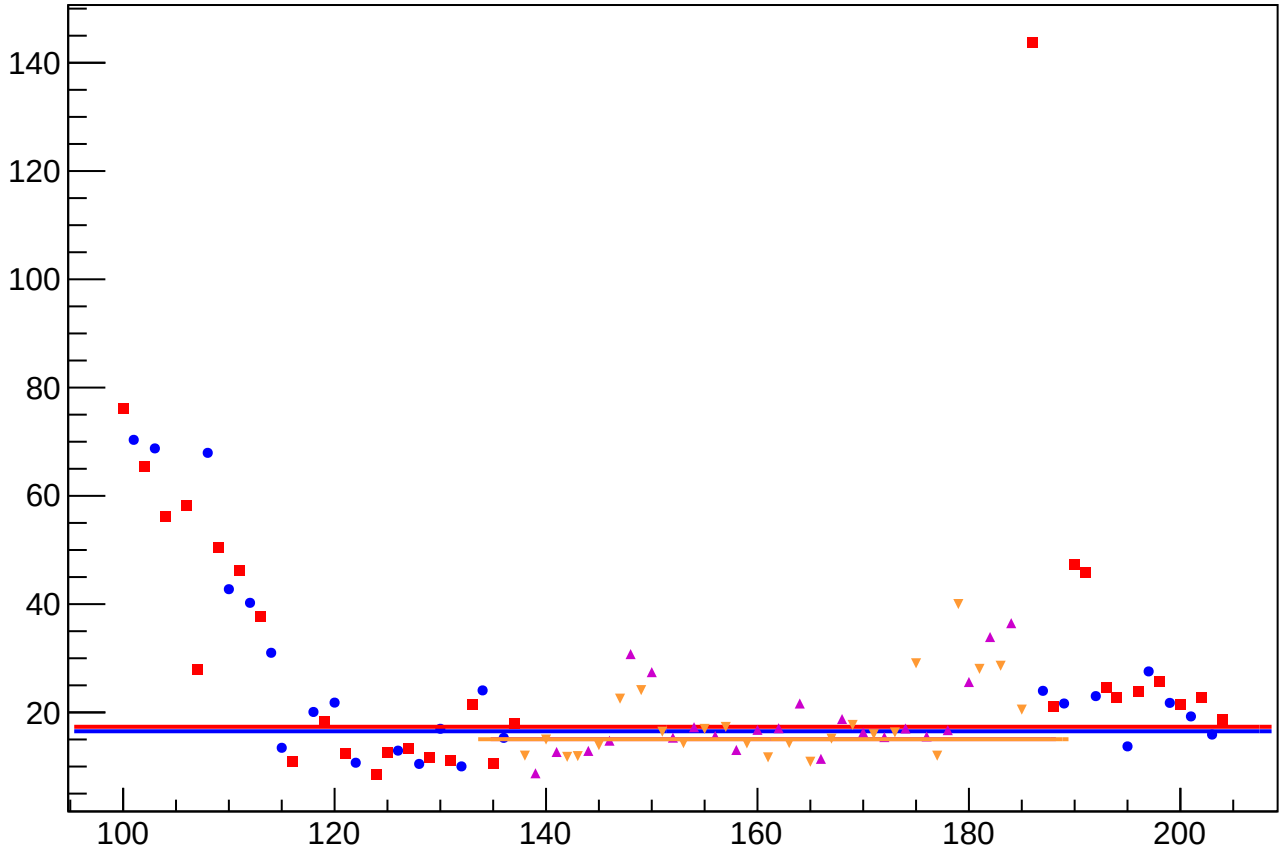
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 49.2/48

All: 0.002+/-0.002 χ^2/NDF: 109.3/101

- sign -0.001+/-0.003 χ^2/NDF: 58.6/52

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 16.516+/-0.004 χ^2/NDF: 4226422.6/23

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 17.345+/-0.004 χ^2/NDF: 5853240.7/29

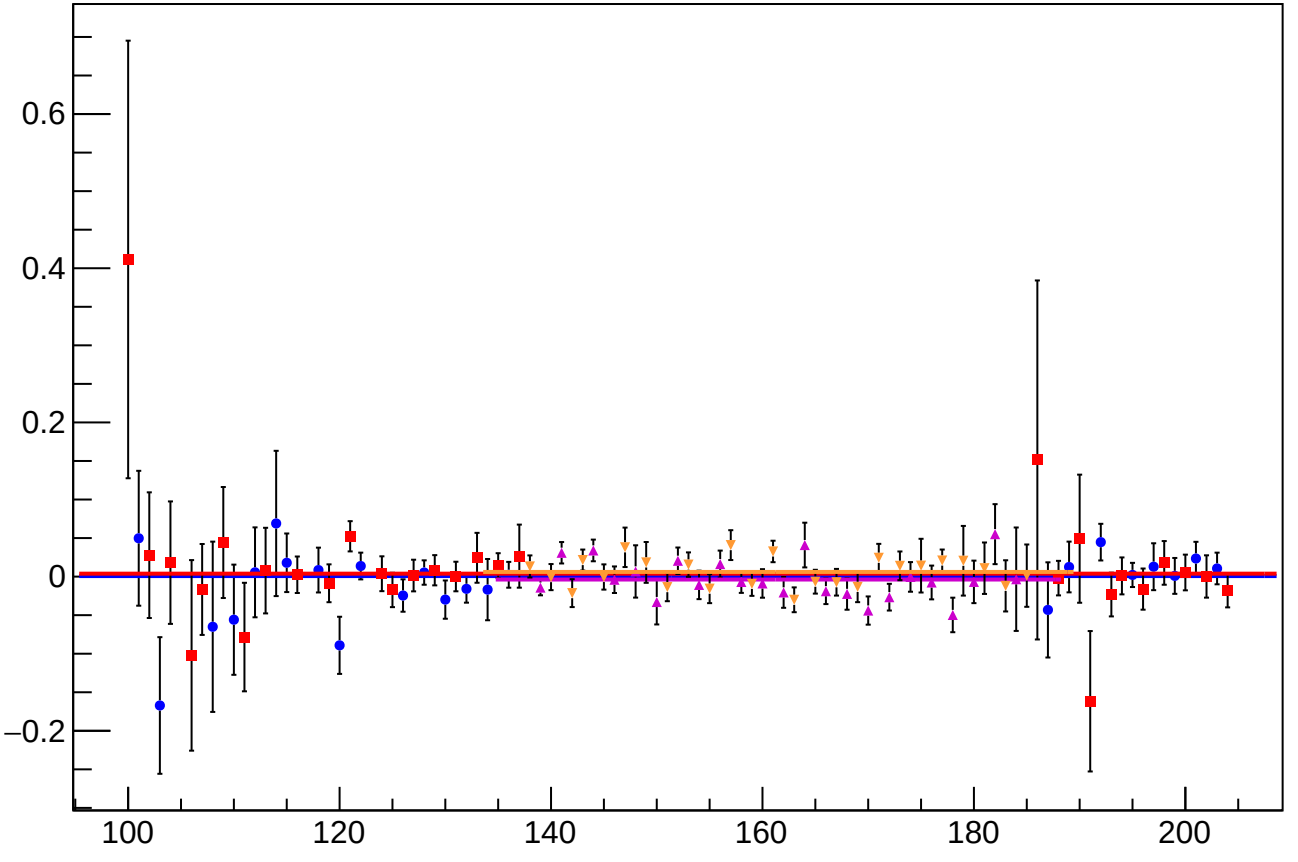
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.533+/-0.002 χ^2/NDF: 7089977.2/48

All: 15.703+/-0.002 χ^2/NDF: 16274743.4/101

- sign 15.880+/-0.002 χ^2/NDF: 9171692.5/52

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001+/-0.005 χ^2/NDF: 21.8/23

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.005 χ^2/NDF: 20.1/29

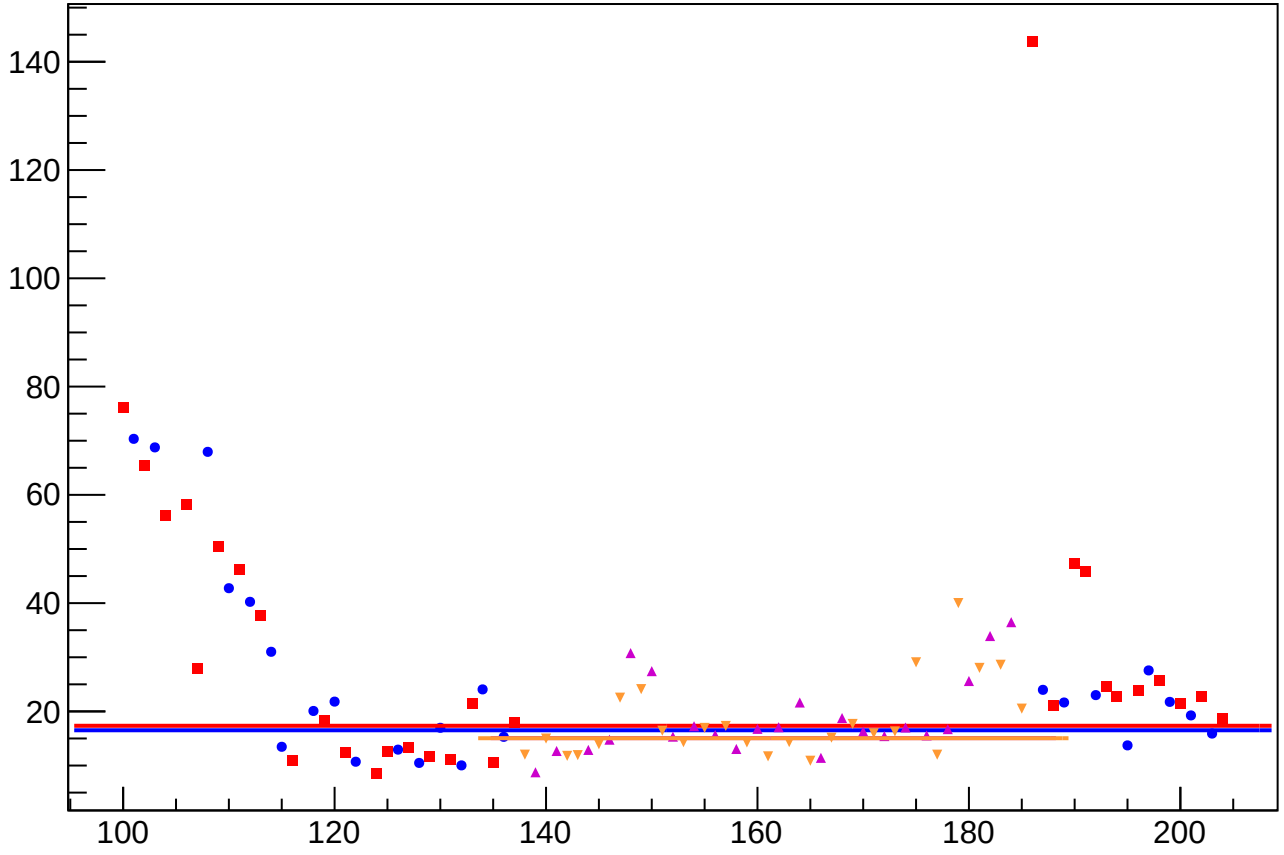
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 49.2/48

All: 0.002+/-0.002 χ^2/NDF: 109.3/101

- sign -0.001+/-0.003 χ^2/NDF: 58.6/52

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.516+/-0.004 χ^2/NDF: 4226422.6/23

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 17.345+/-0.004 χ^2/NDF: 5853240.7/29

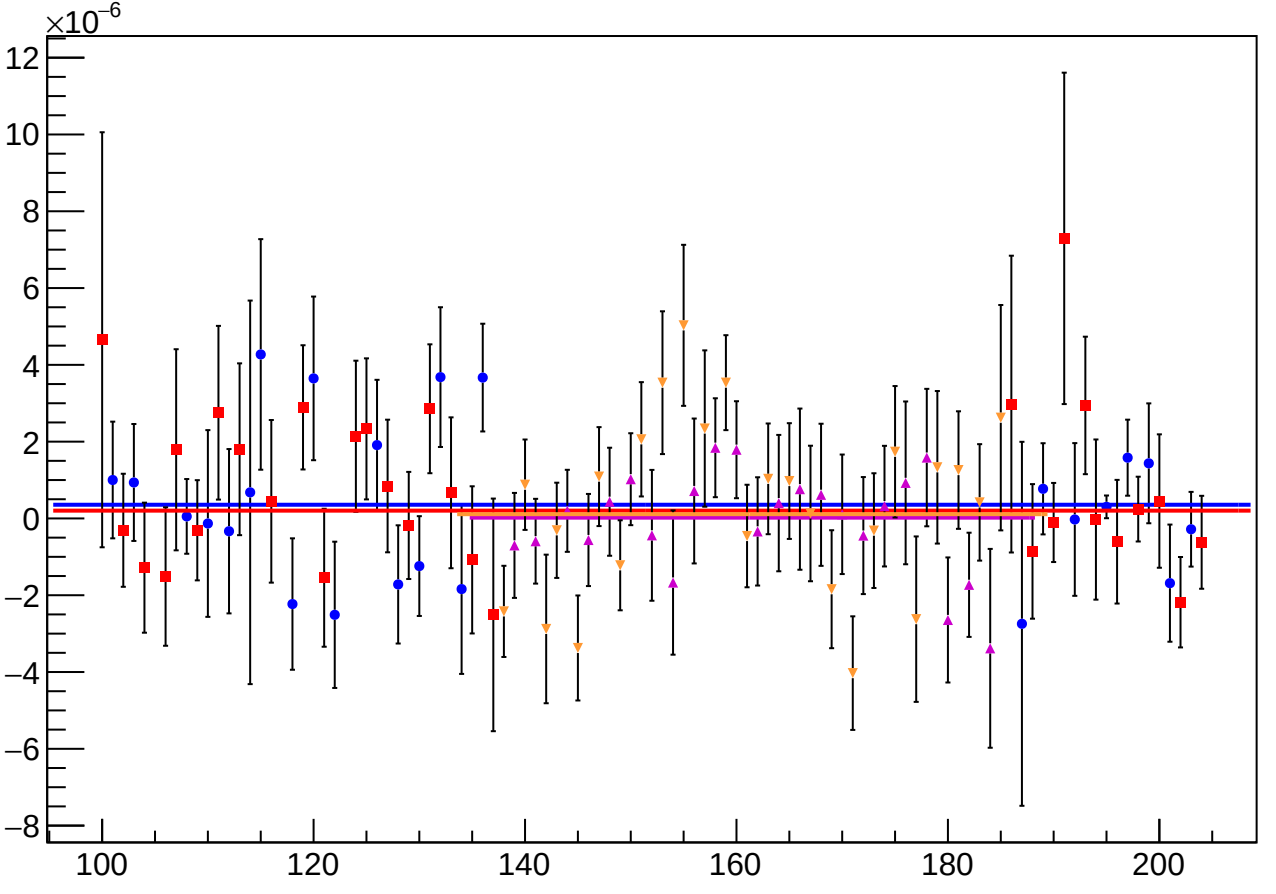
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.533+/-0.002 χ^2/NDF: 7089977.2/48

All: 15.703+/-0.002 χ^2/NDF: 16274743.4/101

- sign 15.880+/-0.002 χ^2/NDF: 9171692.5/52

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

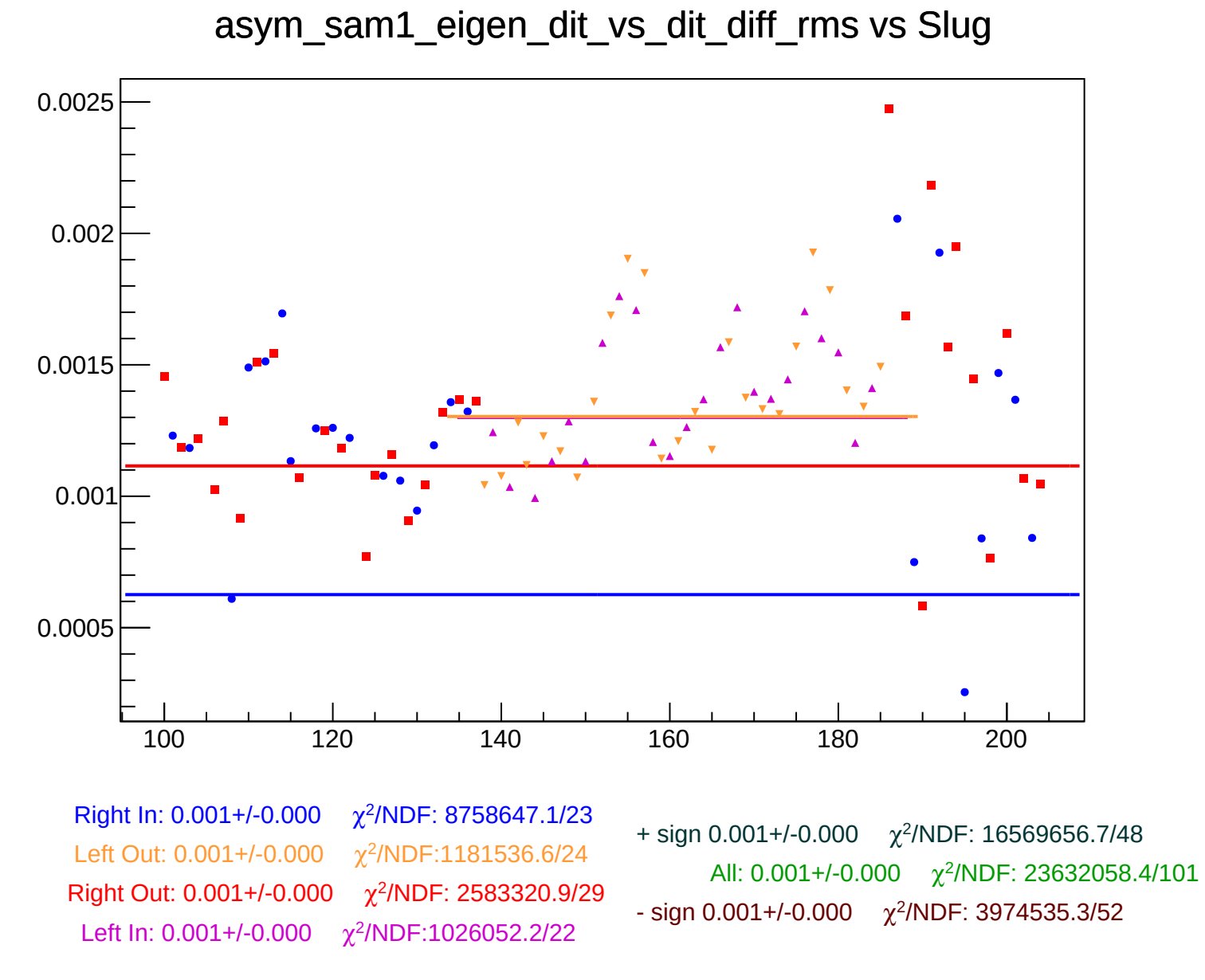
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/29

Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

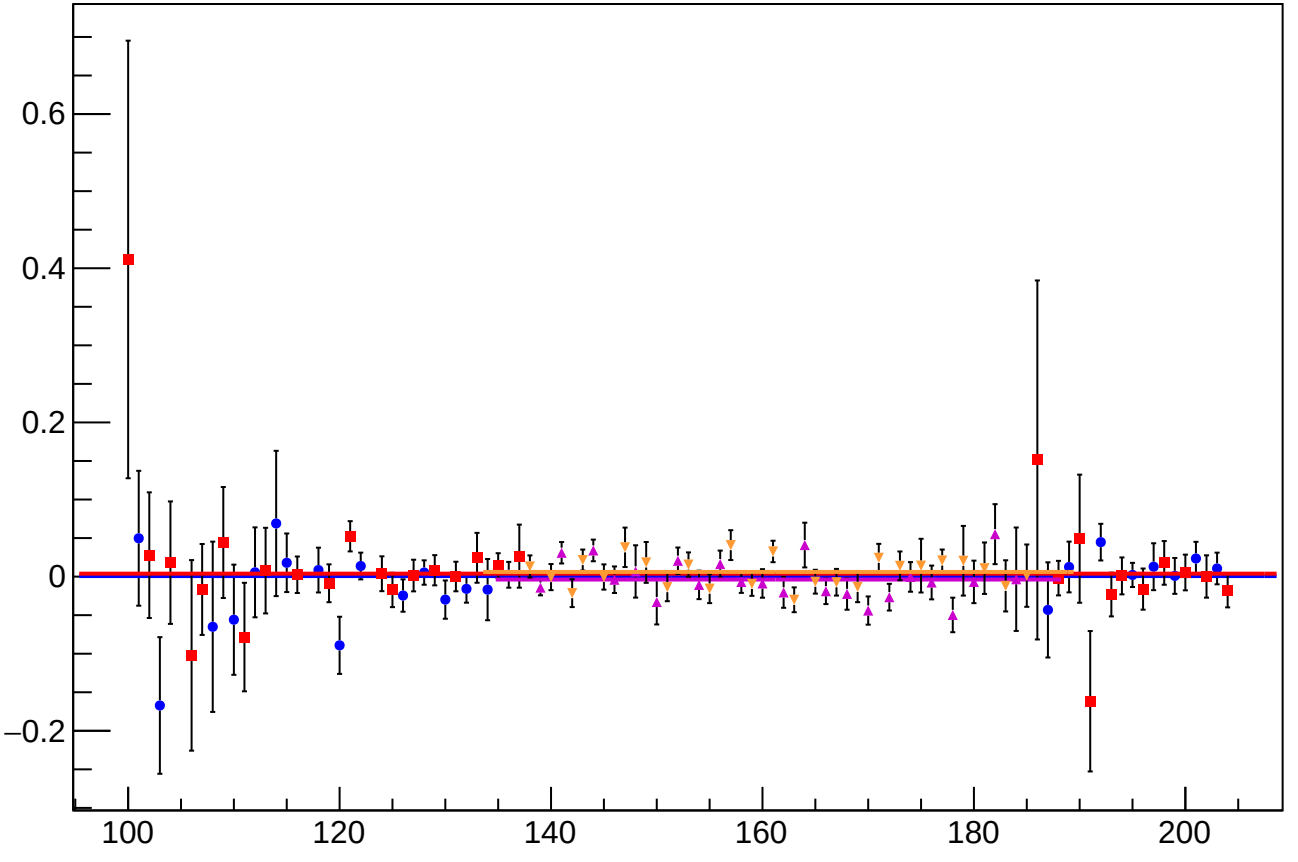
+ sign 0.000+/-0.000 χ^2/NDF: 78.5/48

All: 0.000+/-0.000 χ^2/NDF: 118.8/101

- sign 0.000+/-0.000 χ^2/NDF: 40.0/52


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 8758647.1/23
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 2583320.9/29
Left In: 0.001+/-0.000 χ²/NDF:1026052.2/22
+ sign 0.001+/-0.000 χ²/NDF: 16569656.7/48
All: 0.001+/-0.000 χ²/NDF: 23632058.4/101
- sign 0.001+/-0.000 χ²/NDF: 3974535.3/52

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.005 χ^2/NDF: 21.8/23

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.005 χ^2/NDF: 20.1/29

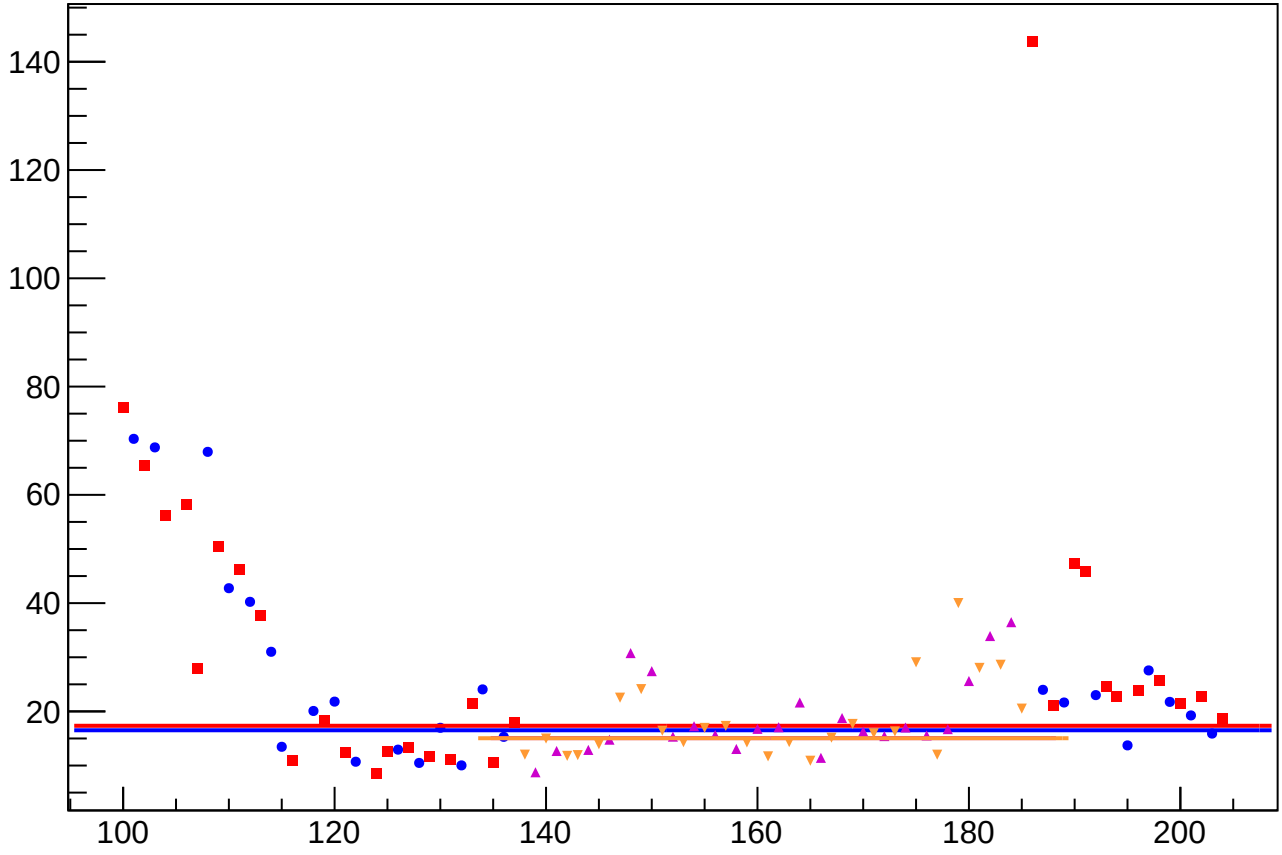
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 49.2/48

All: 0.002+/-0.002 χ^2/NDF: 109.3/101

- sign -0.001+/-0.003 χ^2/NDF: 58.6/52

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.515+/-0.004 χ^2/NDF: 4226405.7/23

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

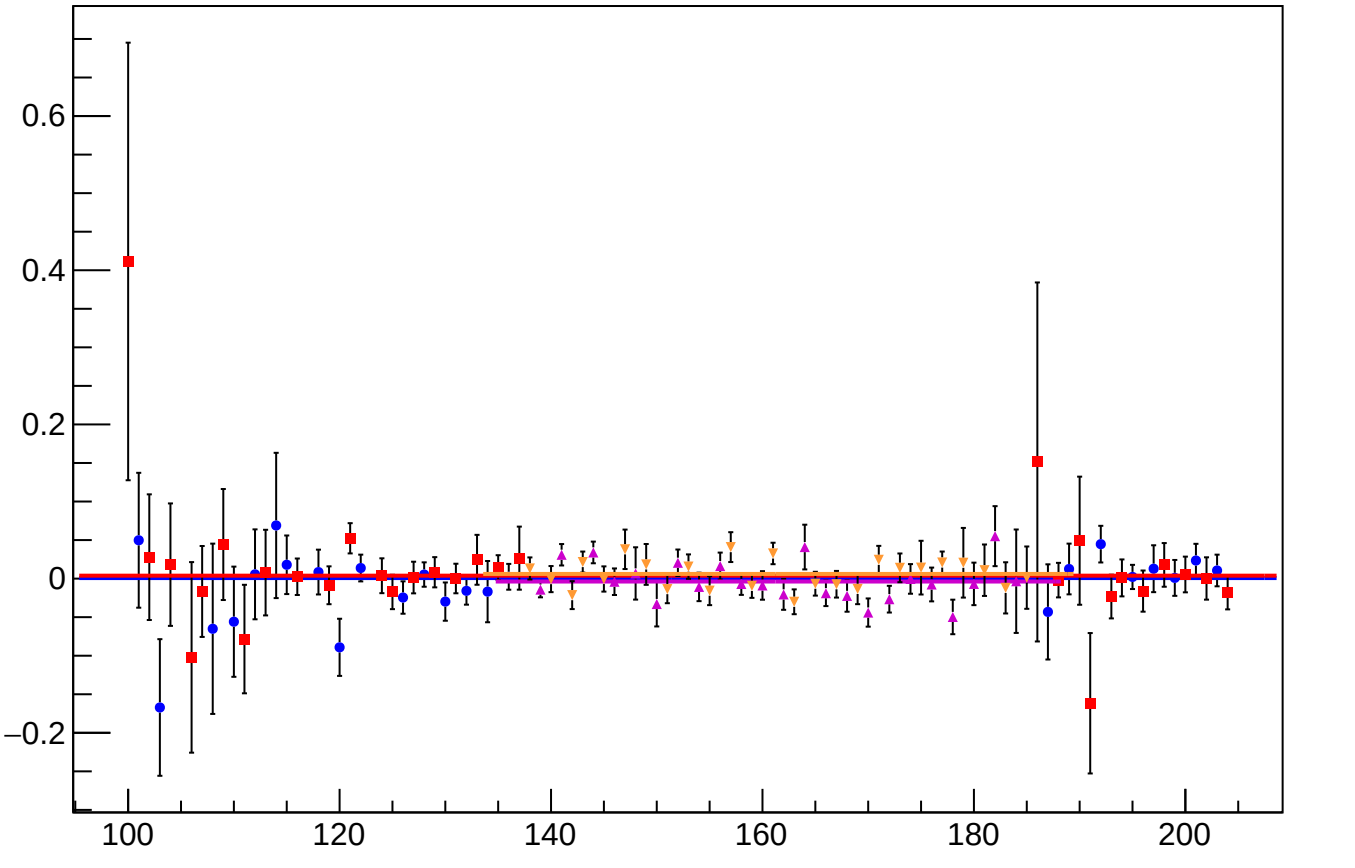
Right Out: 17.345+/-0.004 χ^2/NDF: 5853173.7/29

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.532+/-0.002 χ^2/NDF: 7090170.6/48

All: 15.702+/-0.002 χ^2/NDF: 16274918.7/101

- sign 15.880+/-0.002 χ^2/NDF: 9171669.2/52



Right In: 0.001+/-0.005 χ^2/NDF: 21.8/23

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.005 χ^2/NDF: 20.1/29

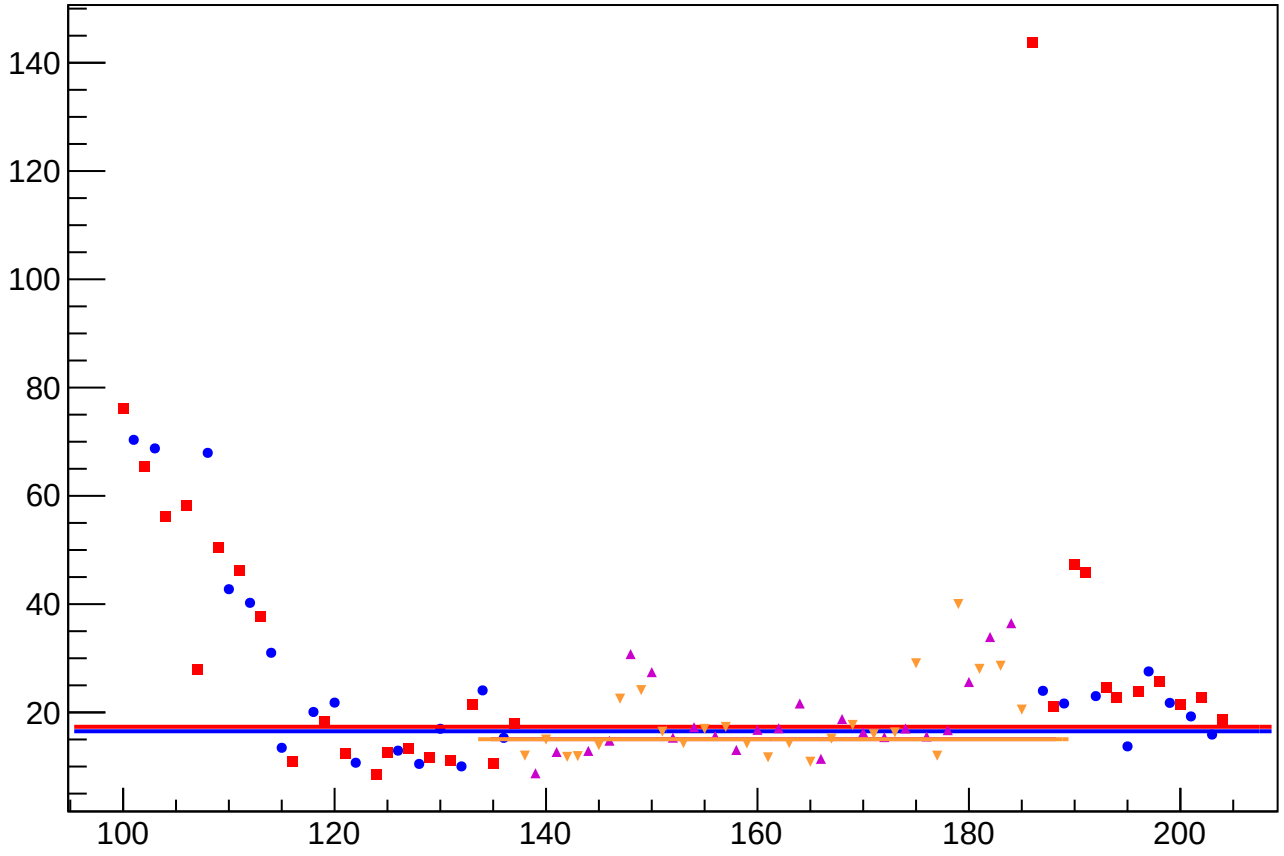
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 49.2/48

All: 0.002+/-0.002 χ^2/NDF: 109.3/101

- sign -0.001+/-0.003 χ^2/NDF: 58.6/52

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.515+/-0.004 χ^2/NDF: 4226405.7/23

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

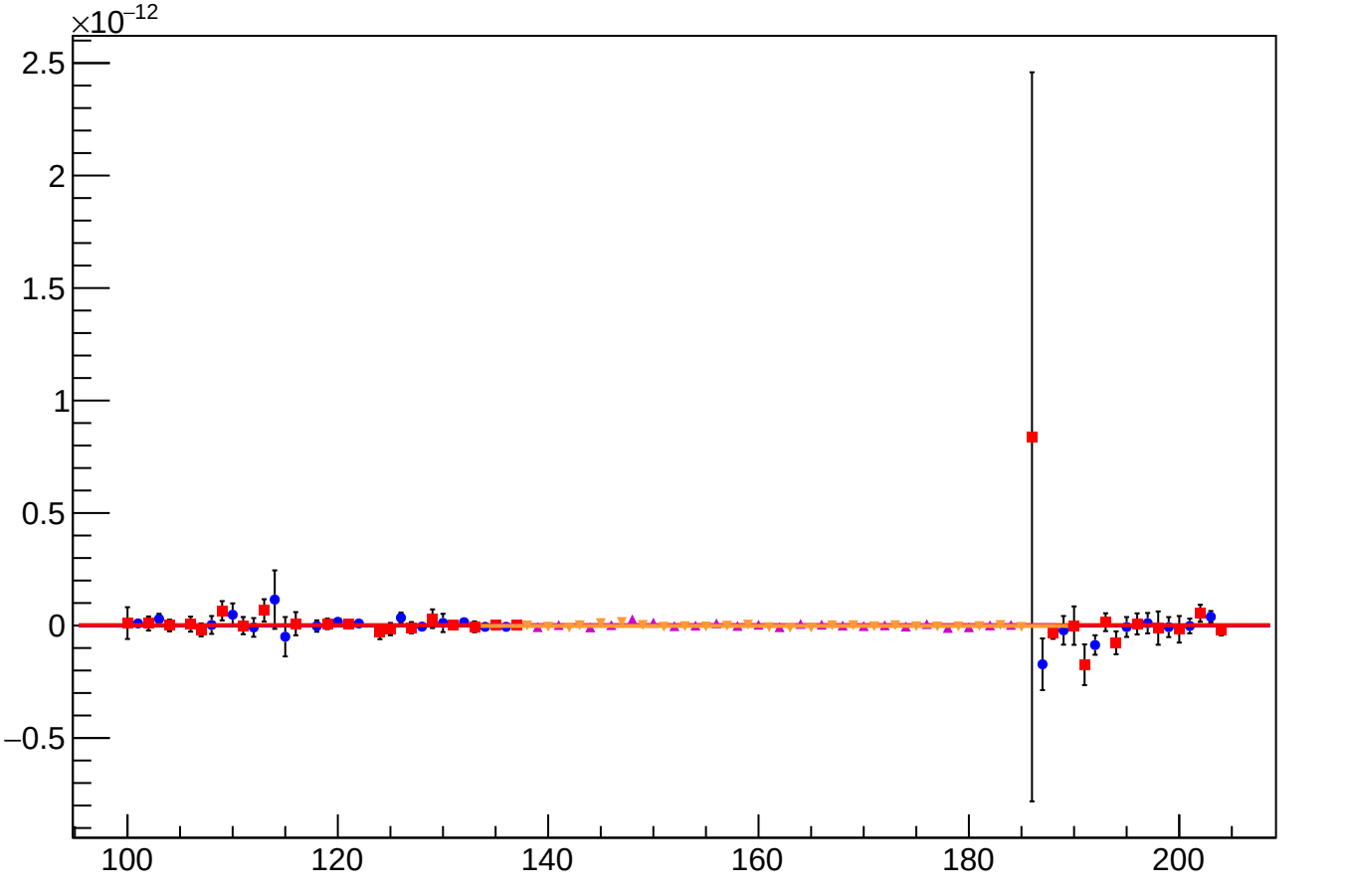
Right Out: 17.345+/-0.004 χ^2/NDF: 5853173.7/29

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.532+/-0.002 χ^2/NDF: 7090170.6/48

All: 15.702+/-0.002 χ^2/NDF: 16274918.7/101

- sign 15.880+/-0.002 χ^2/NDF: 9171669.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

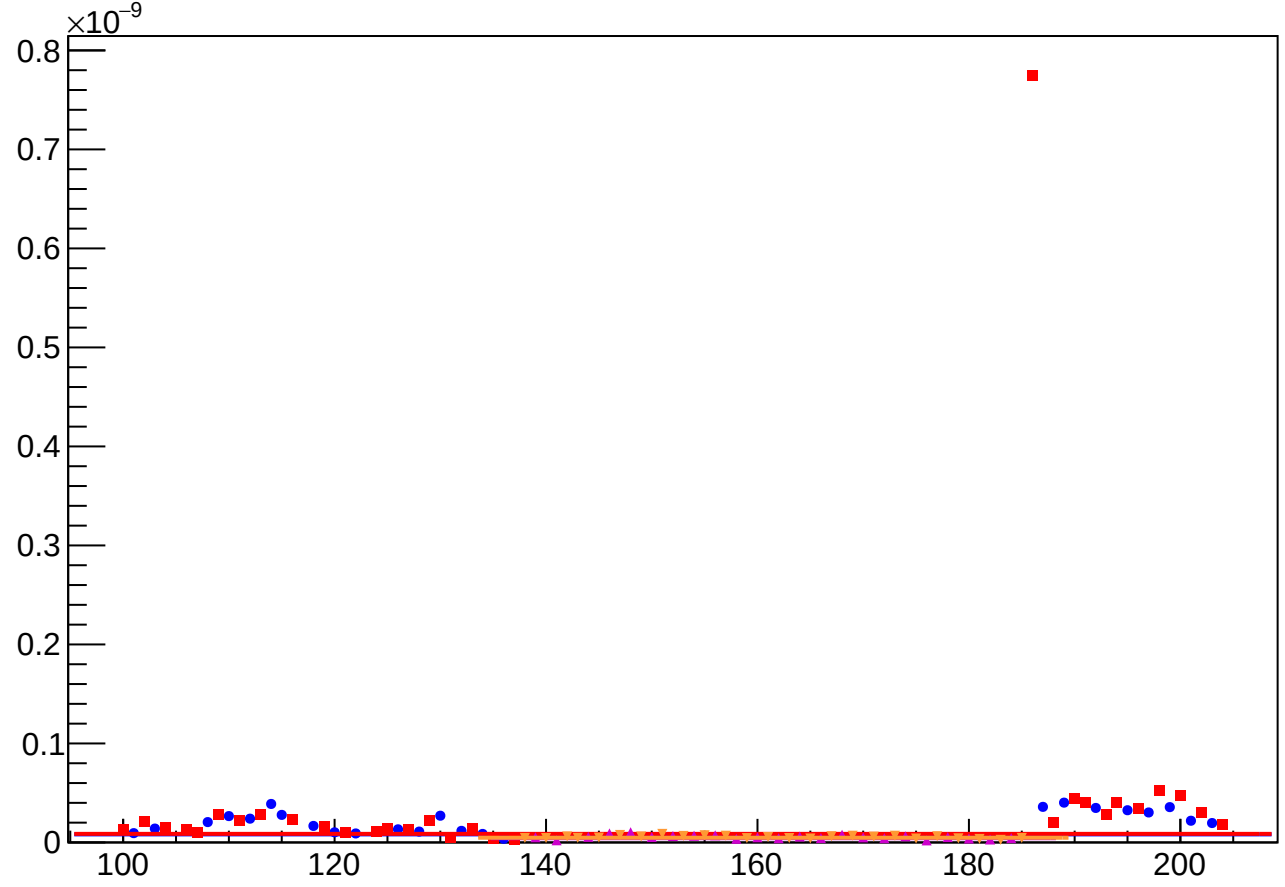
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/29

Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.4/48

All: -0.000+/-0.000 χ^2/NDF: 75.1/101

- sign 0.000+/-0.000 χ^2/NDF: 39.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 7756369.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10515868.1/29

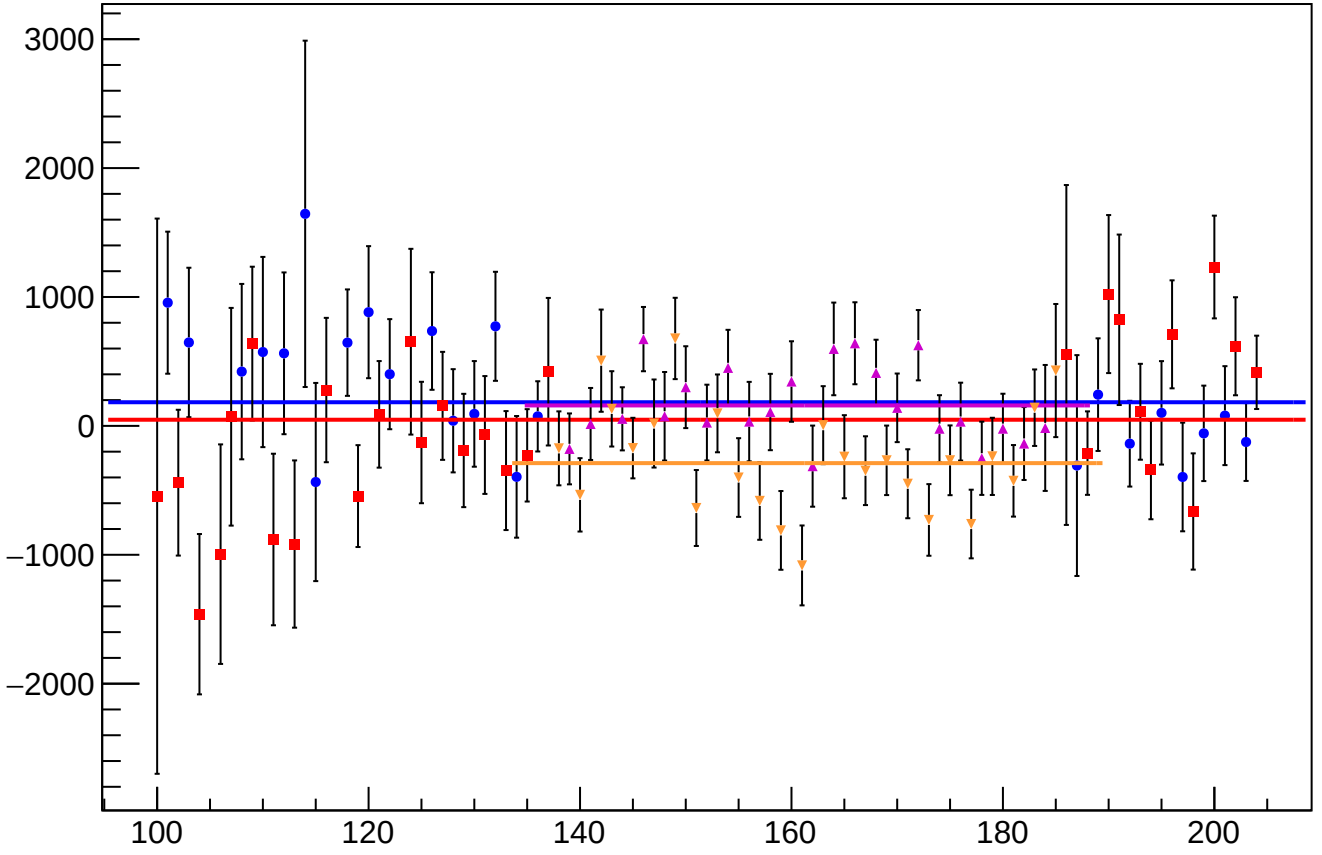
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11343024.6/48

All: 0.000+/-0.000 χ^2/NDF: 27911768.6/101

- sign 0.000+/-0.000 χ^2/NDF: 16459406.5/52

reg_asym_sam2_mean vs Slug



Right In: 183.442+/-90.061 χ^2/NDF: 18.6/23

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 47.721+/-86.216 χ^2/NDF: 42.3/29

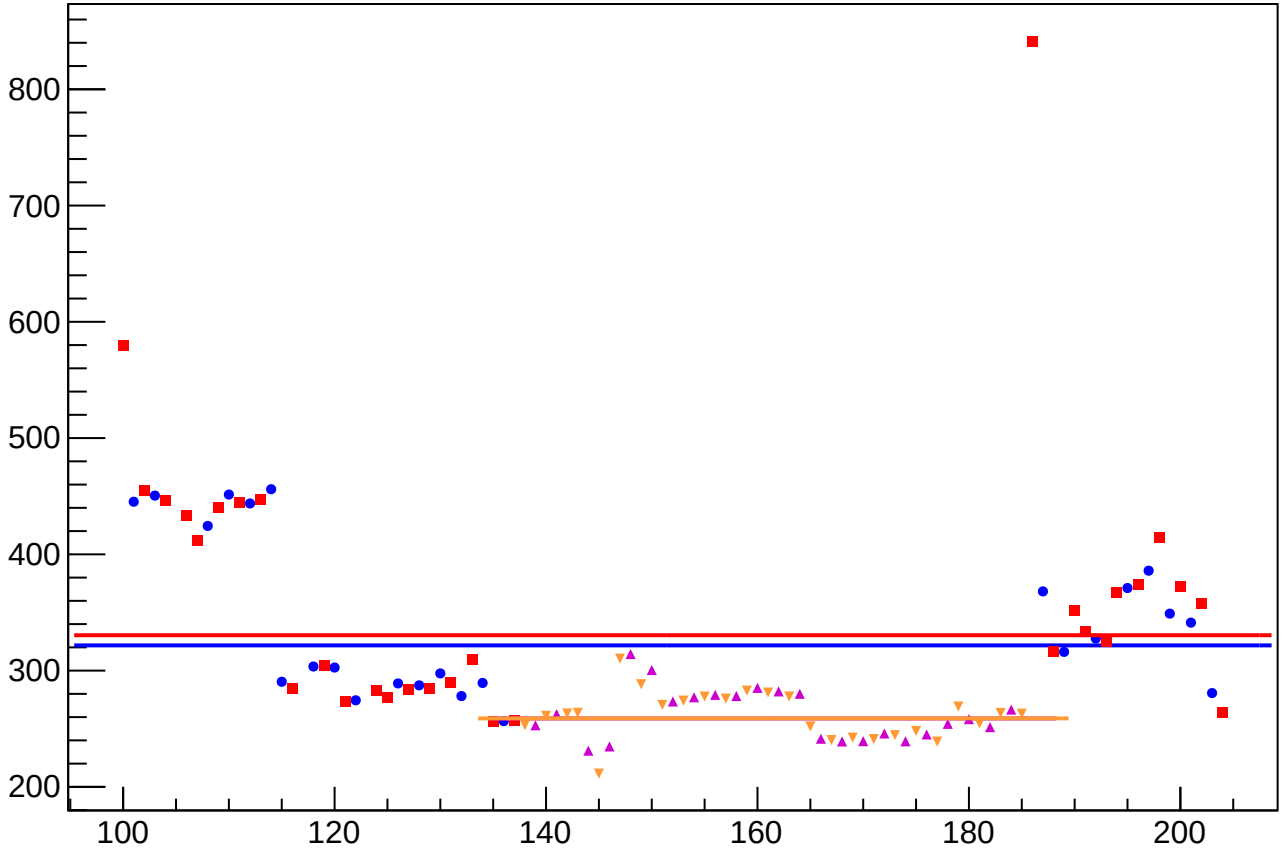
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -146.958+/-49.373 χ^2/NDF: 80.2/48

All: -13.271+/-35.005 χ^2/NDF: 160.9/101

- sign 121.848+/-49.637 χ^2/NDF: 65.9/52

reg_asym_sam2_rms vs Slug



Right In: 321.698+/-0.064 χ^2/NDF: 750221.1/23

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 330.426+/-0.061 χ^2/NDF: 1270428.3/29

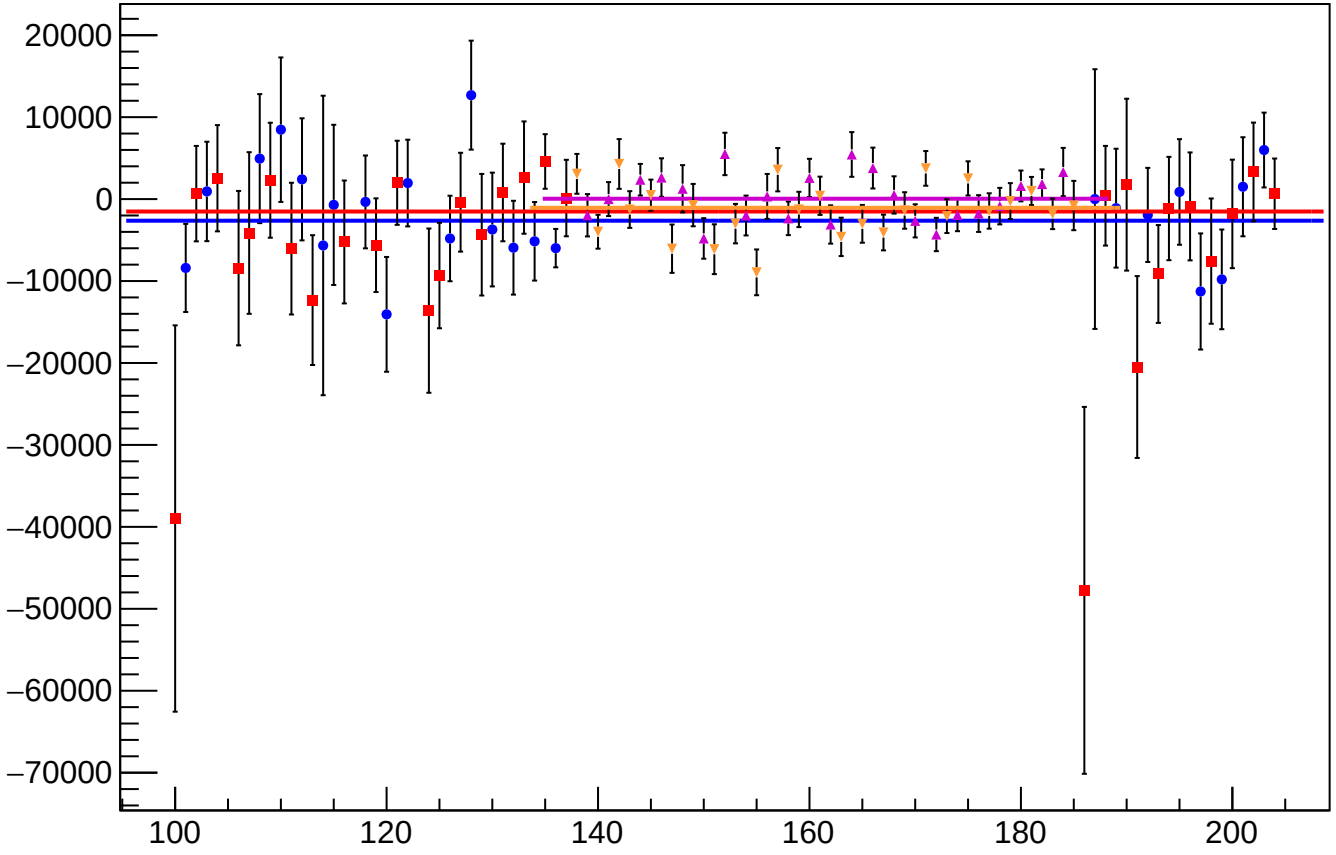
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 277.782+/-0.035 χ^2/NDF: 1678863.8/48

All: 280.163+/-0.025 χ^2/NDF: 4125314.2/101

- sign 282.570+/-0.035 χ^2/NDF: 2437095.4/52

asym_sam2_reg_correction_mean vs Slug



Right In: -2636.428+/-1158.371 χ^2/NDF: 23.6/23

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -1514.107+/-1175.122 χ^2/NDF: 25.0/29

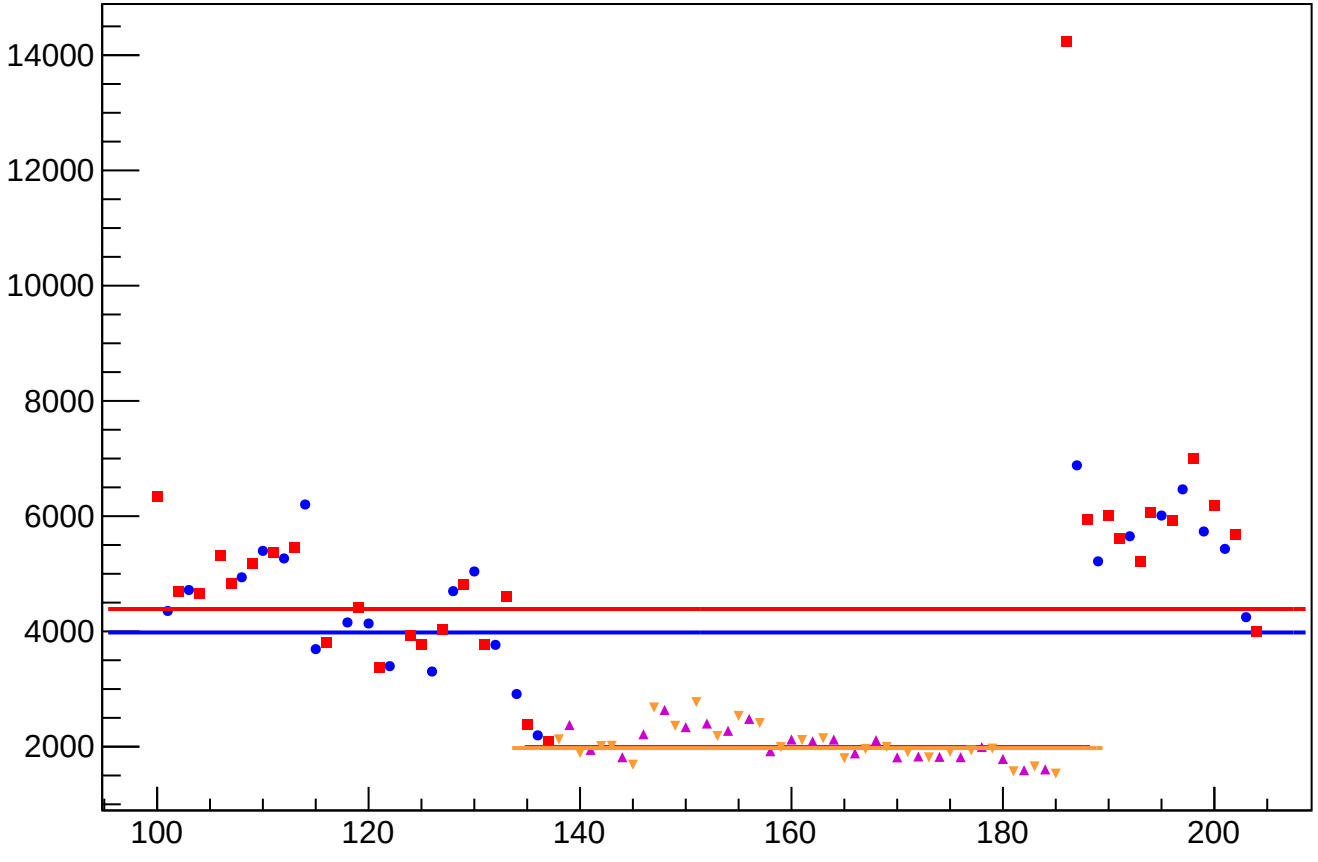
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1269.765+/-423.221 χ^2/NDF: 66.7/48

All: -737.975+/-304.000 χ^2/NDF: 130.7/101

- sign -171.122+/-436.951 χ^2/NDF: 60.7/52

asym_sam2_reg_correction_rms vs Slug



Right In: 3981.922+/-0.819 χ^2/NDF: 2630289.2/23

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4389.113+/-0.831 χ^2/NDF: 2866972.9/29

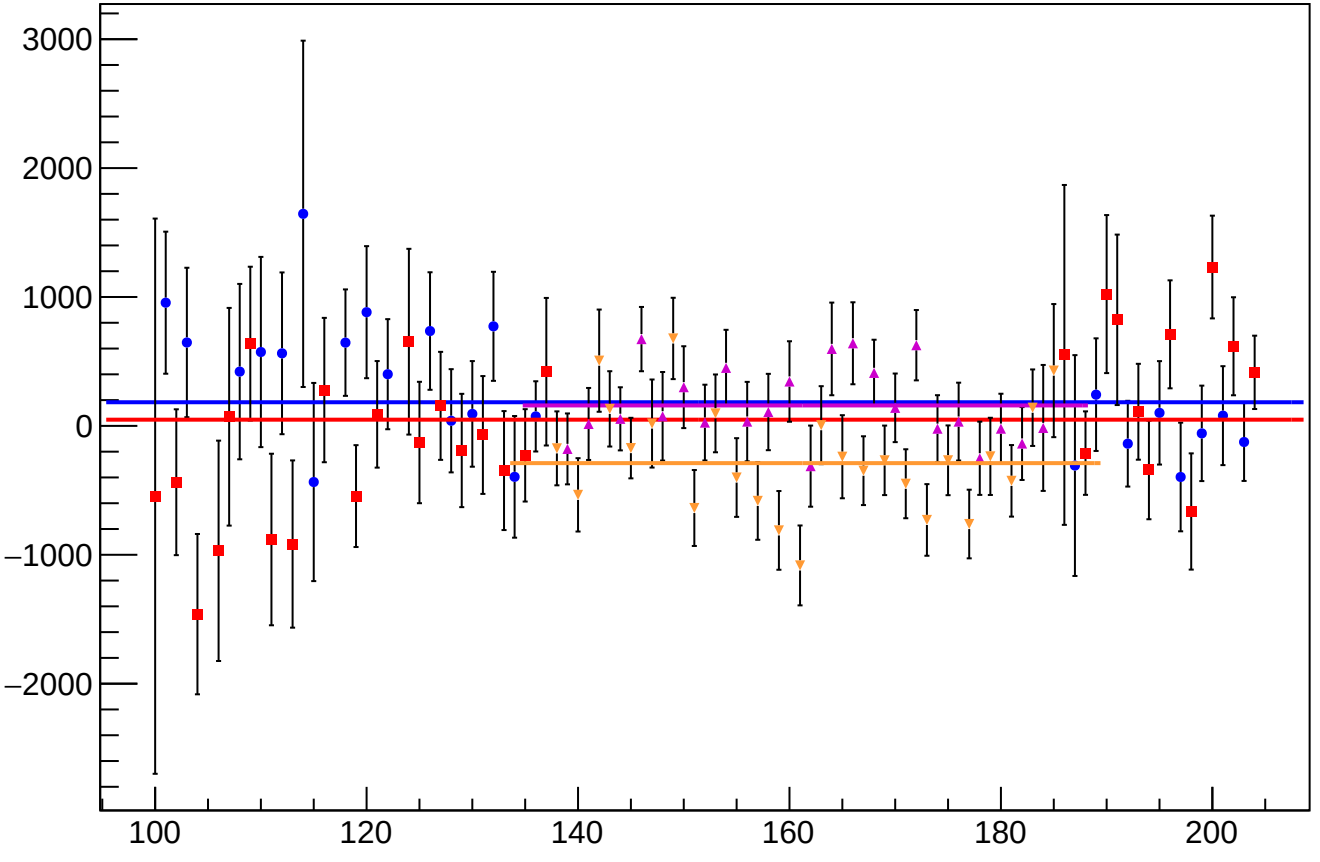
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2243.736+/-0.299 χ^2/NDF: 8590608.0/48

All: 2283.461+/-0.215 χ^2/NDF: 19249092.8/1

- sign 2325.805+/-0.309 χ^2/NDF: 10622082.0/52

cor_asym_sam2_mean vs Slug



Right In: 183.421+/-90.061 χ^2/NDF: 18.6/23

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 48.164+/-86.220 χ^2/NDF: 42.2/29

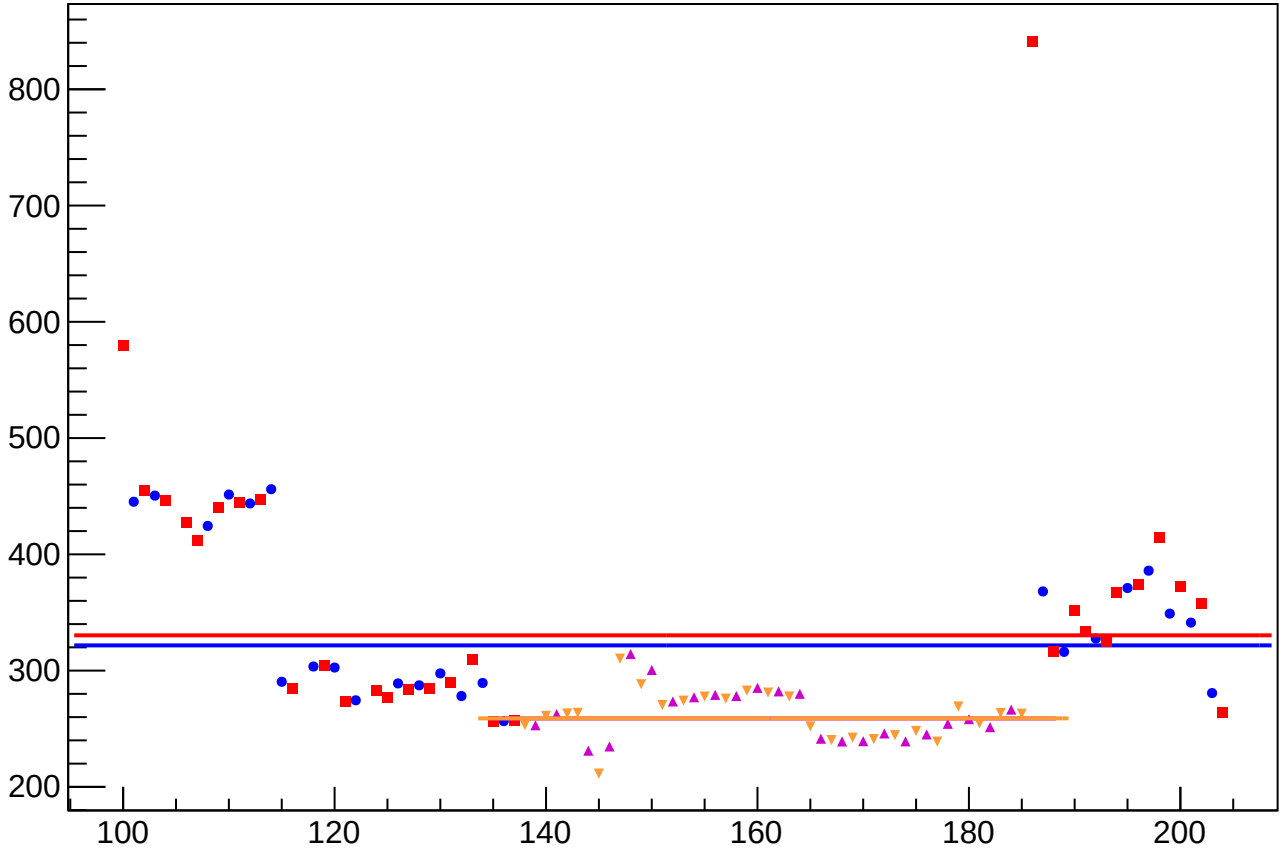
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -146.967+/-49.373 χ^2/NDF: 80.2/48

All: -13.200+/-35.005 χ^2/NDF: 160.8/101

- sign 122.005+/-49.638 χ^2/NDF: 65.8/52

cor_asym_sam2_rms vs Slug



Right In: 321.698+/-0.064 χ^2/NDF: 750222.5/23

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 330.350+/-0.061 χ^2/NDF: 1266696.9/29

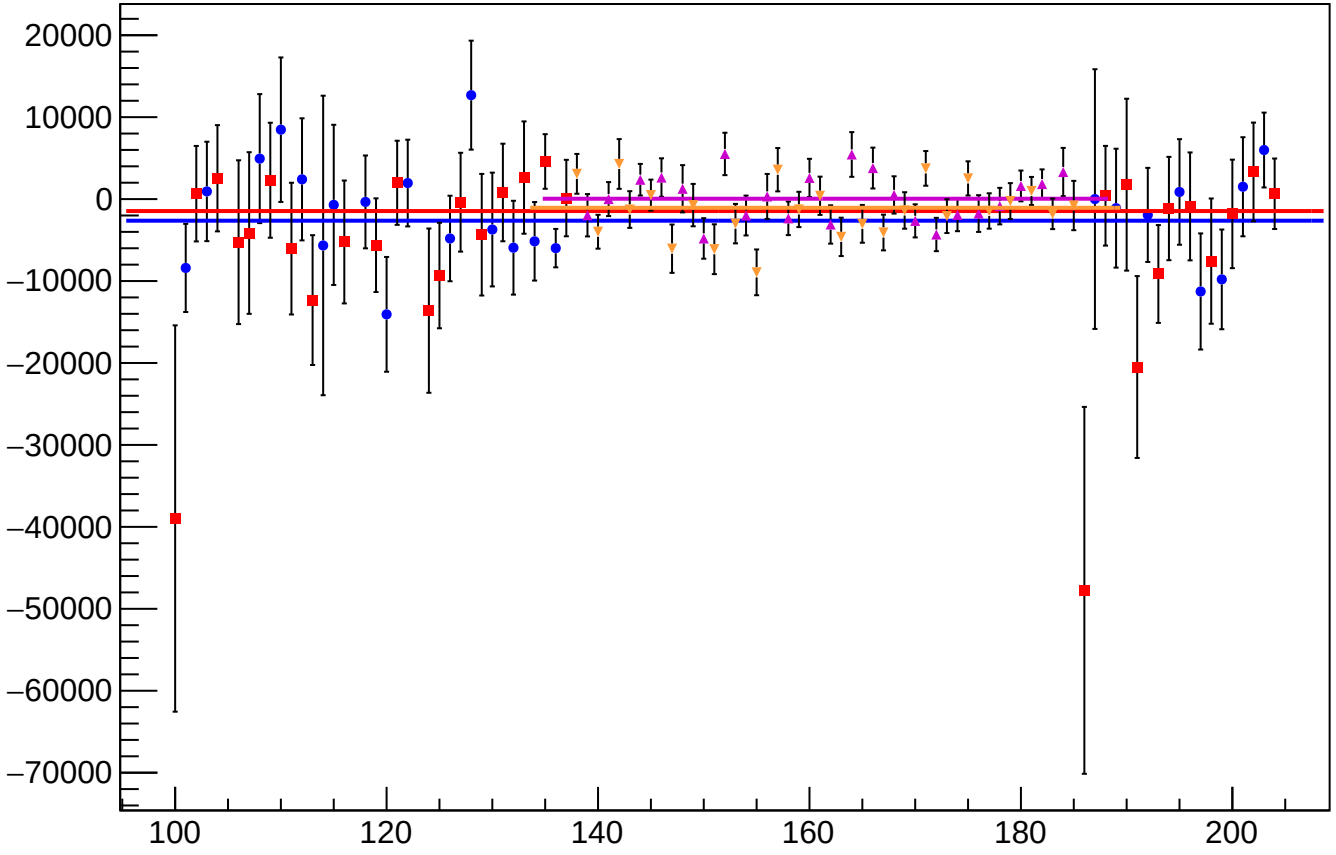
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 277.782+/-0.035 χ^2/NDF: 1678865.3/48

All: 280.150+/-0.025 χ^2/NDF: 4119486.8/101

- sign 282.544+/-0.035 χ^2/NDF: 2431369.7/52

asym_sam2_cor_correction_mean vs Slug



Right In: -2636.382+/-1158.373 χ^2/NDF: 23.6/23

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1458.621+/-1176.167 χ^2/NDF: 24.6/29

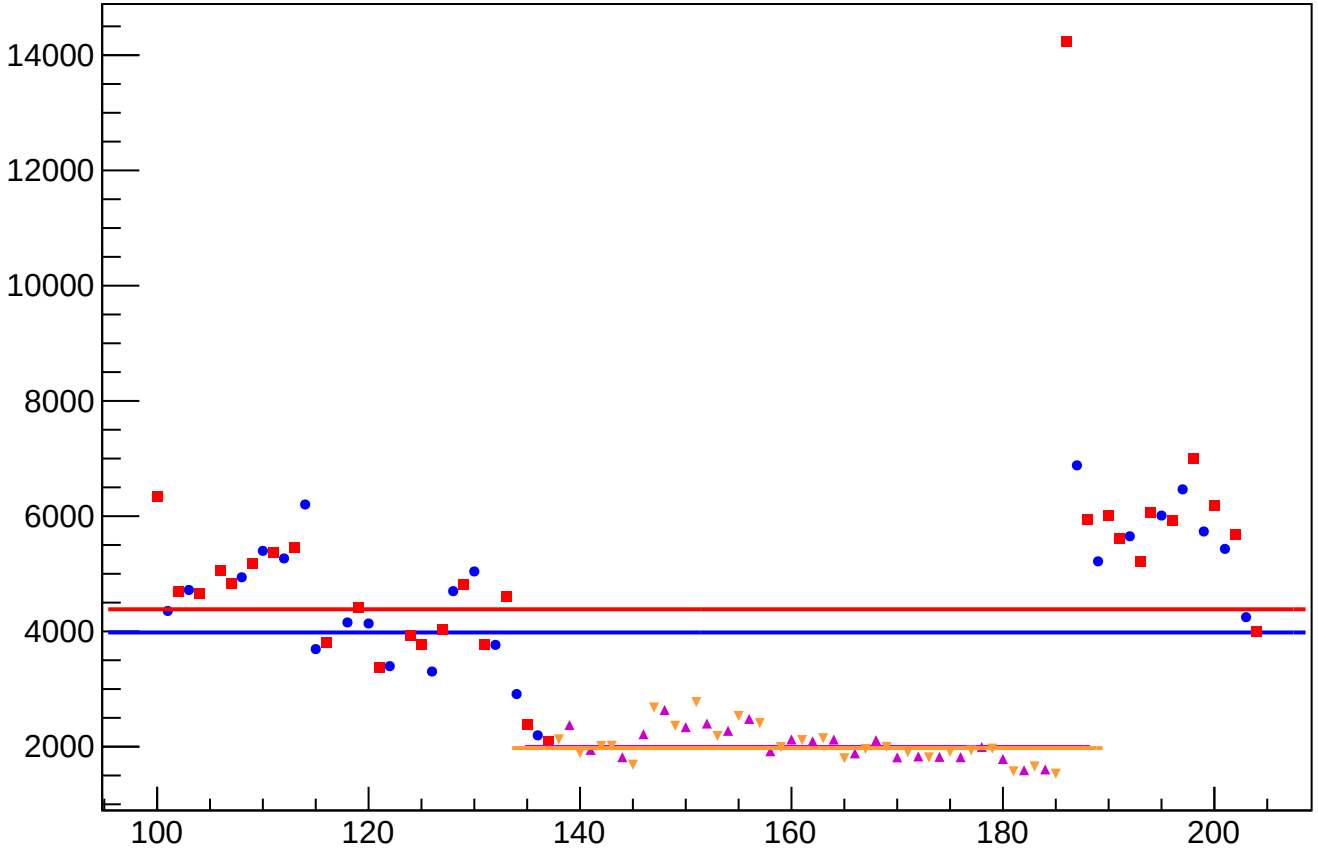
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1269.761+/-423.221 χ^2/NDF: 66.7/48

All: -734.175+/-304.019 χ^2/NDF: 130.2/101

- sign -163.136+/-437.004 χ^2/NDF: 60.2/52

asym_sam2_cor_correction_rms vs Slug



Right In: 3981.926+/-0.819 χ^2/NDF: 2630299.4/23

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4384.197+/-0.832 χ^2/NDF: 2857023.4/29

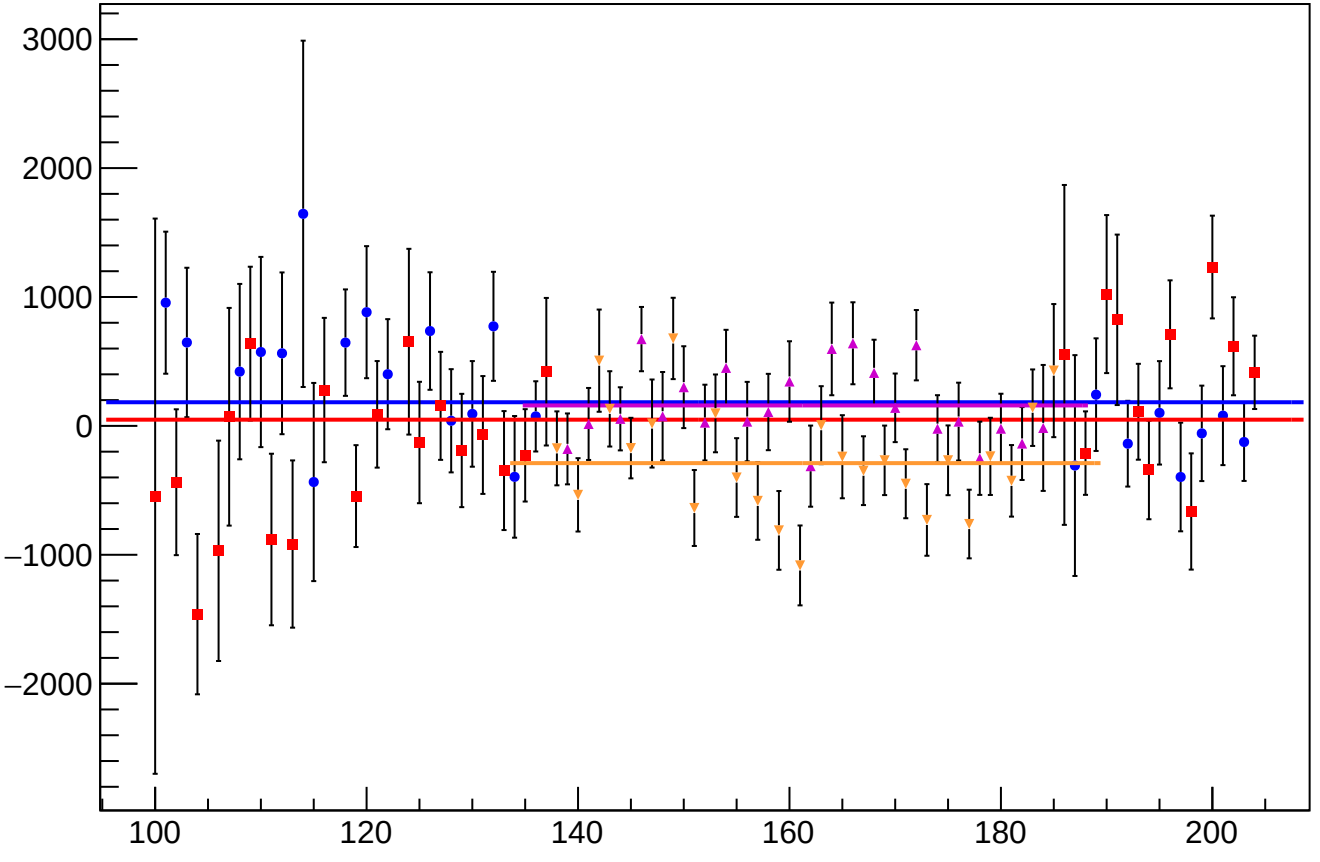
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2243.736+/-0.299 χ^2/NDF: 8590628.5/48

All: 2282.882+/-0.215 χ^2/NDF: 19197845.3/1

- sign 2324.620+/-0.309 χ^2/NDF: 10571862.5/52

eigen_cor_asym_sam2_mean vs Slug



Right In: 183.421+/-90.061 χ^2/NDF: 18.6/23

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 48.164+/-86.220 χ^2/NDF: 42.2/29

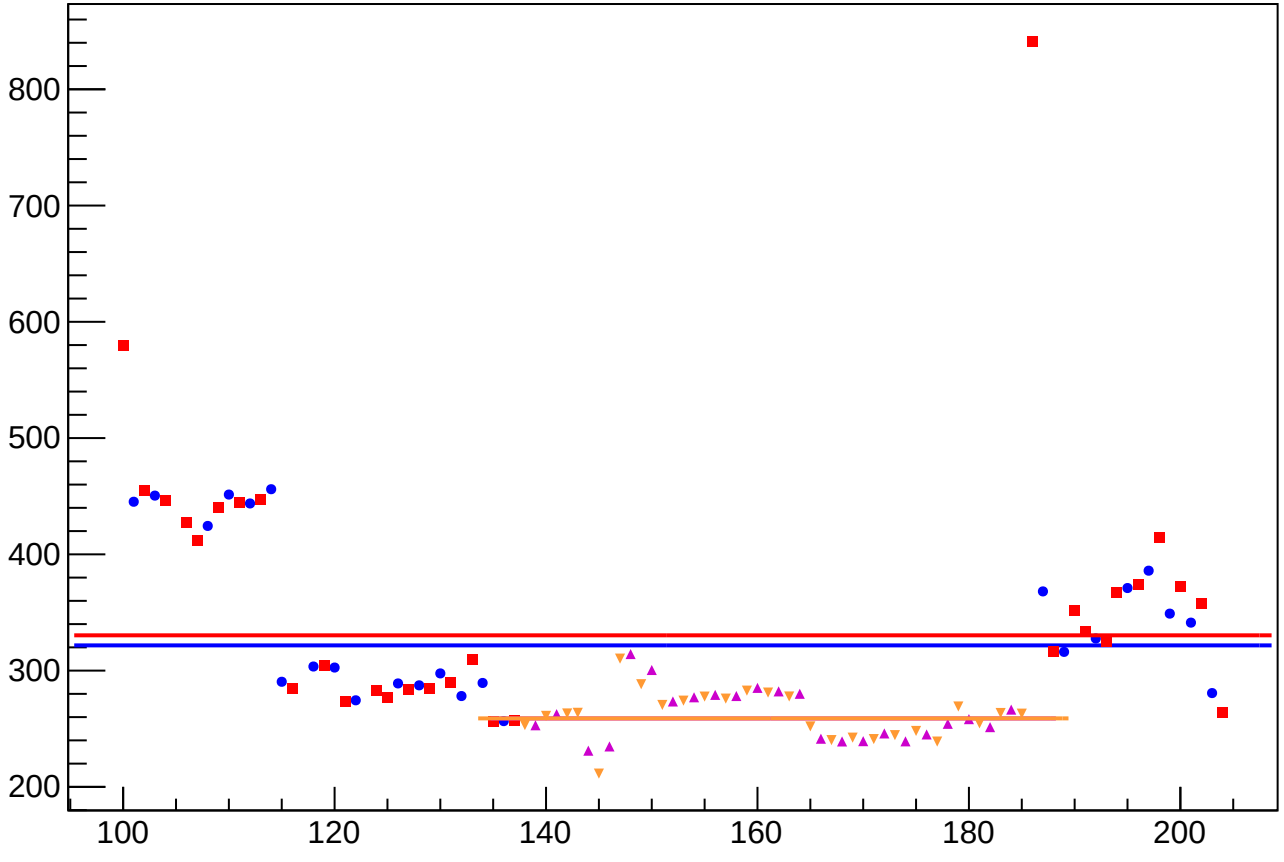
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -146.967+/-49.373 χ^2/NDF: 80.2/48

All: -13.200+/-35.005 χ^2/NDF: 160.8/101

- sign 122.005+/-49.638 χ^2/NDF: 65.8/52

eigen_cor_asym_sam2_rms vs Slug



Right In: 321.698+/-0.064 χ^2/NDF: 750222.5/23

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 330.350+/-0.061 χ^2/NDF: 1266696.9/29

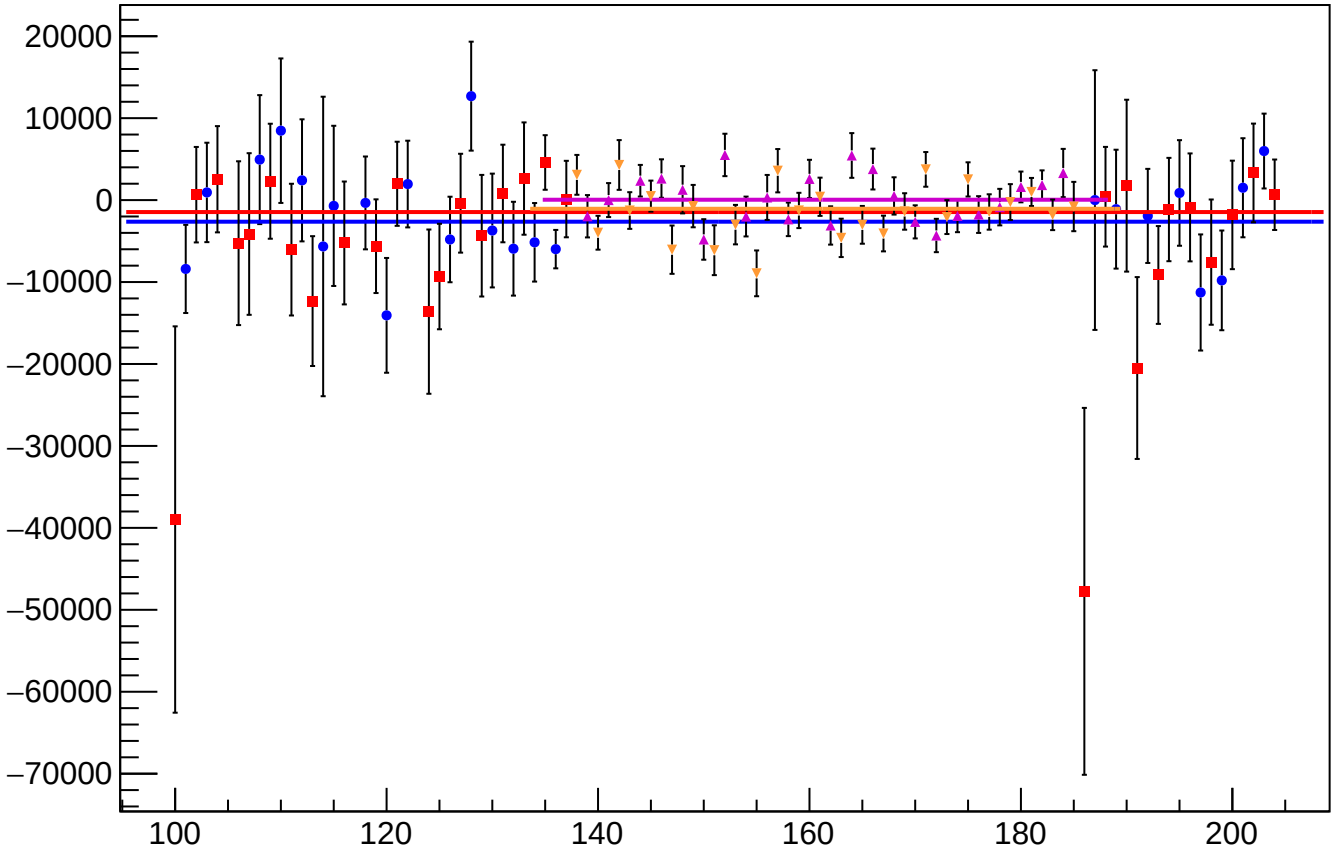
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 277.782+/-0.035 χ^2/NDF: 1678865.3/48

All: 280.150+/-0.025 χ^2/NDF: 4119486.8/101

- sign 282.544+/-0.035 χ^2/NDF: 2431369.7/52

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -2636.382+/-1158.373 χ^2/NDF: 23.6/23

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1458.621+/-1176.167 χ^2/NDF: 24.6/29

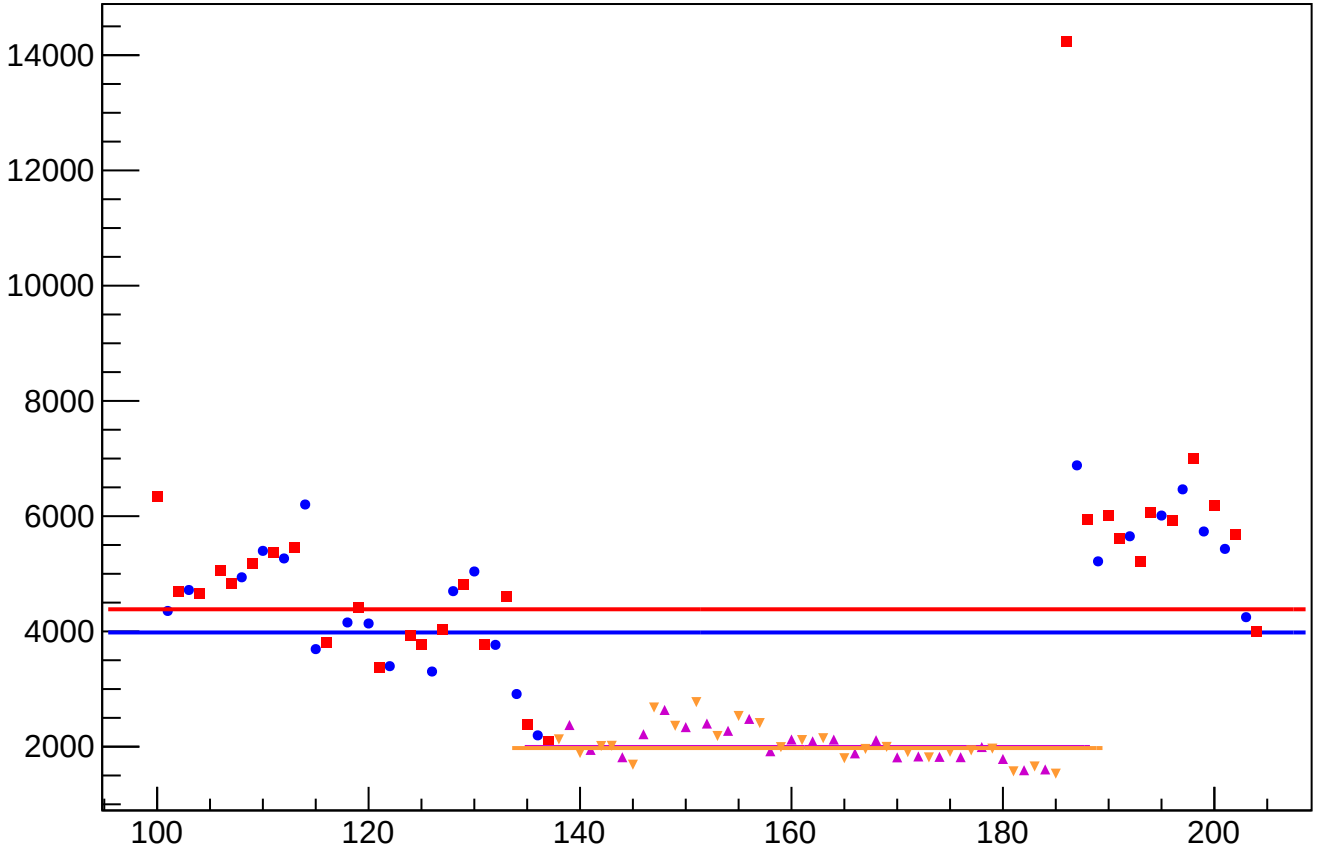
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1269.761+/-423.221 χ^2/NDF: 66.7/48

All: -734.175+/-304.019 χ^2/NDF: 130.2/101

- sign -163.136+/-437.004 χ^2/NDF: 60.2/52

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3981.926+/-0.819 χ^2/NDF: 2630299.4/23

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4384.197+/-0.832 χ^2/NDF: 2857023.4/29

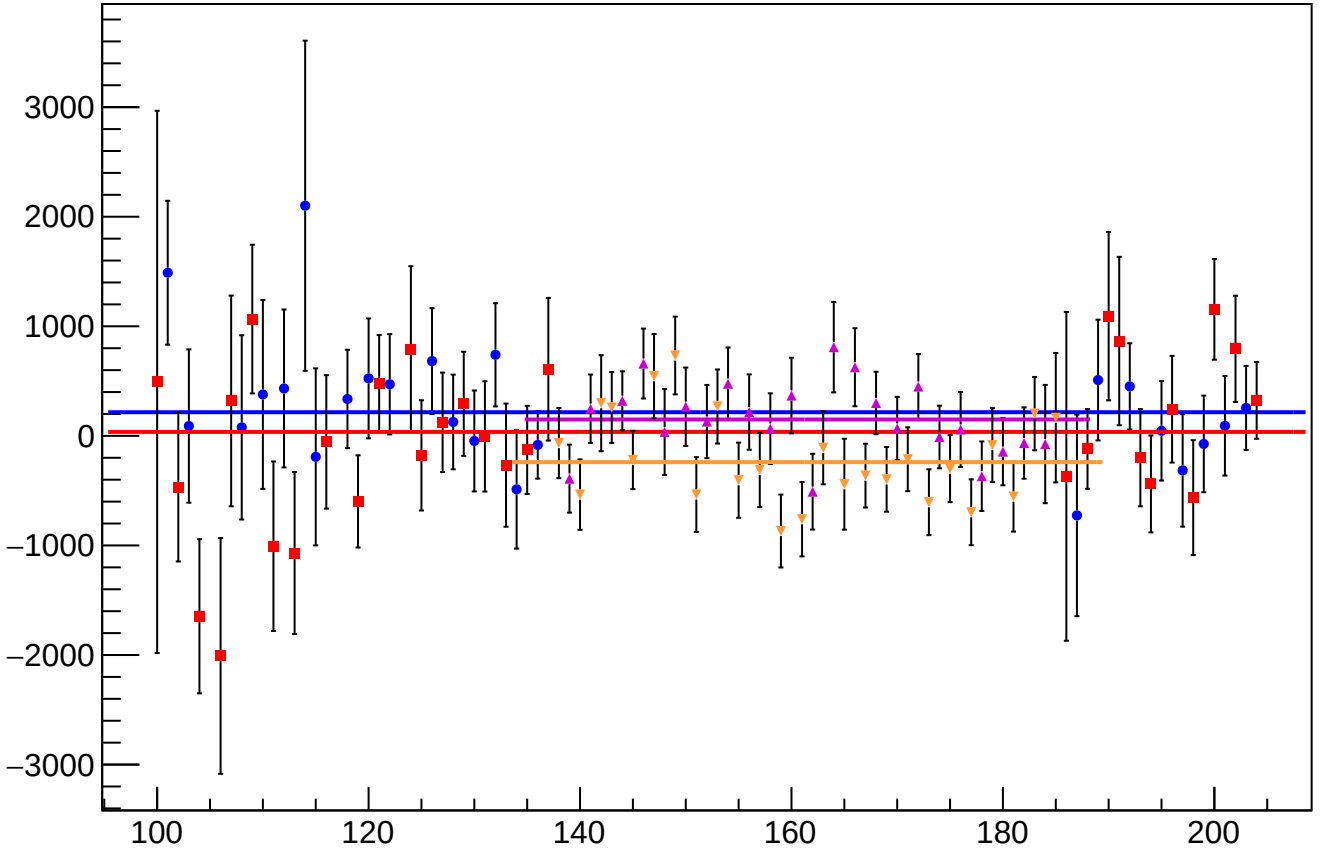
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2243.736+/-0.299 χ^2/NDF: 8590628.5/48

All: 2282.882+/-0.215 χ^2/NDF: 19197845.3/1

- sign 2324.620+/-0.309 χ^2/NDF: 10571862.5/52

dit_asym_sam2_mean vs Slug



Right In: 215.821+/-103.528 χ^2/NDF: 15.1/23

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: 36.288+/-98.729 χ^2/NDF: 37.7/29

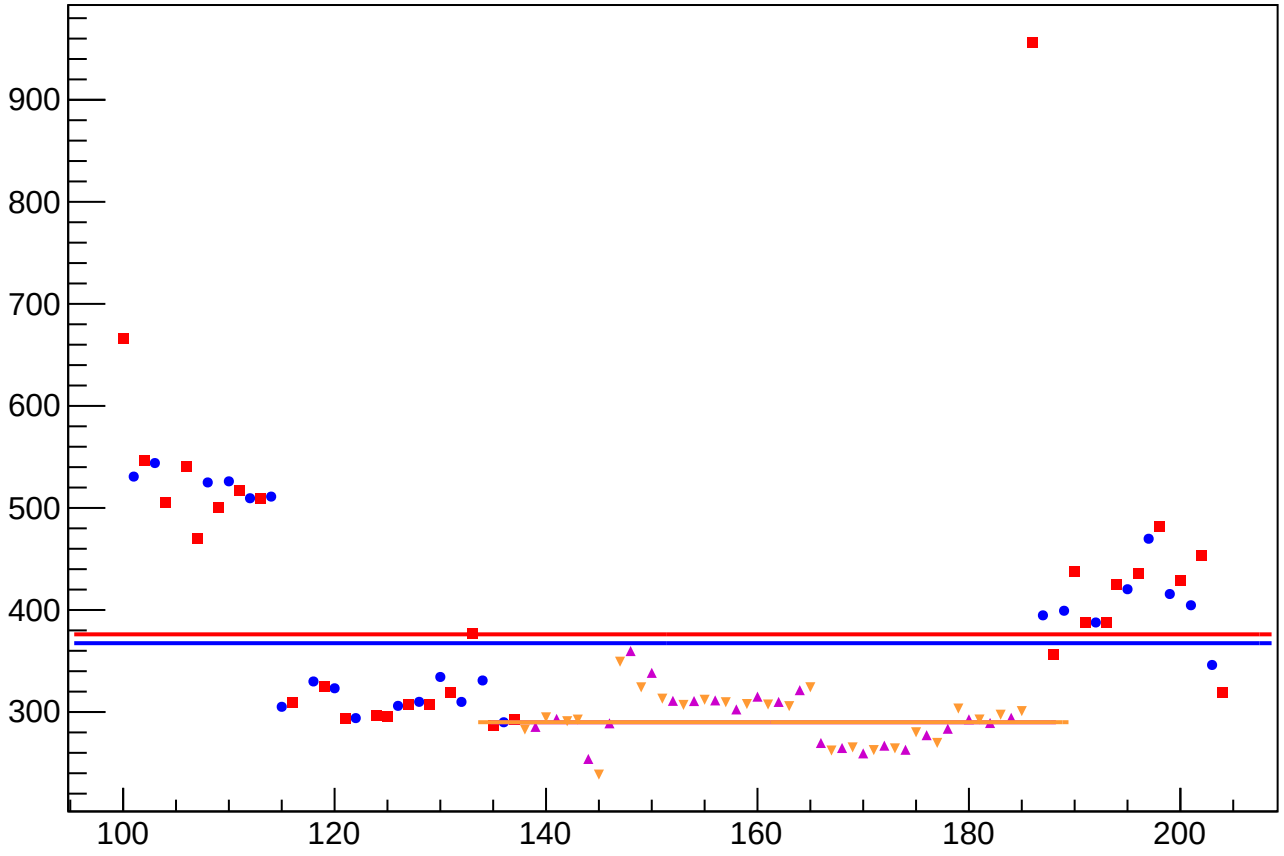
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -107.485+/-55.753 χ^2/NDF: 62.8/48

All: 2.076+/-39.542 χ^2/NDF: 130.8/101

- sign 112.969+/-56.091 χ^2/NDF: 60.3/52

dit_asym_sam2_rms vs Slug



Right In: 367.460+/-0.073 χ^2/NDF: 982900.9/23

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 376.132+/-0.070 χ^2/NDF: 1510889.9/29

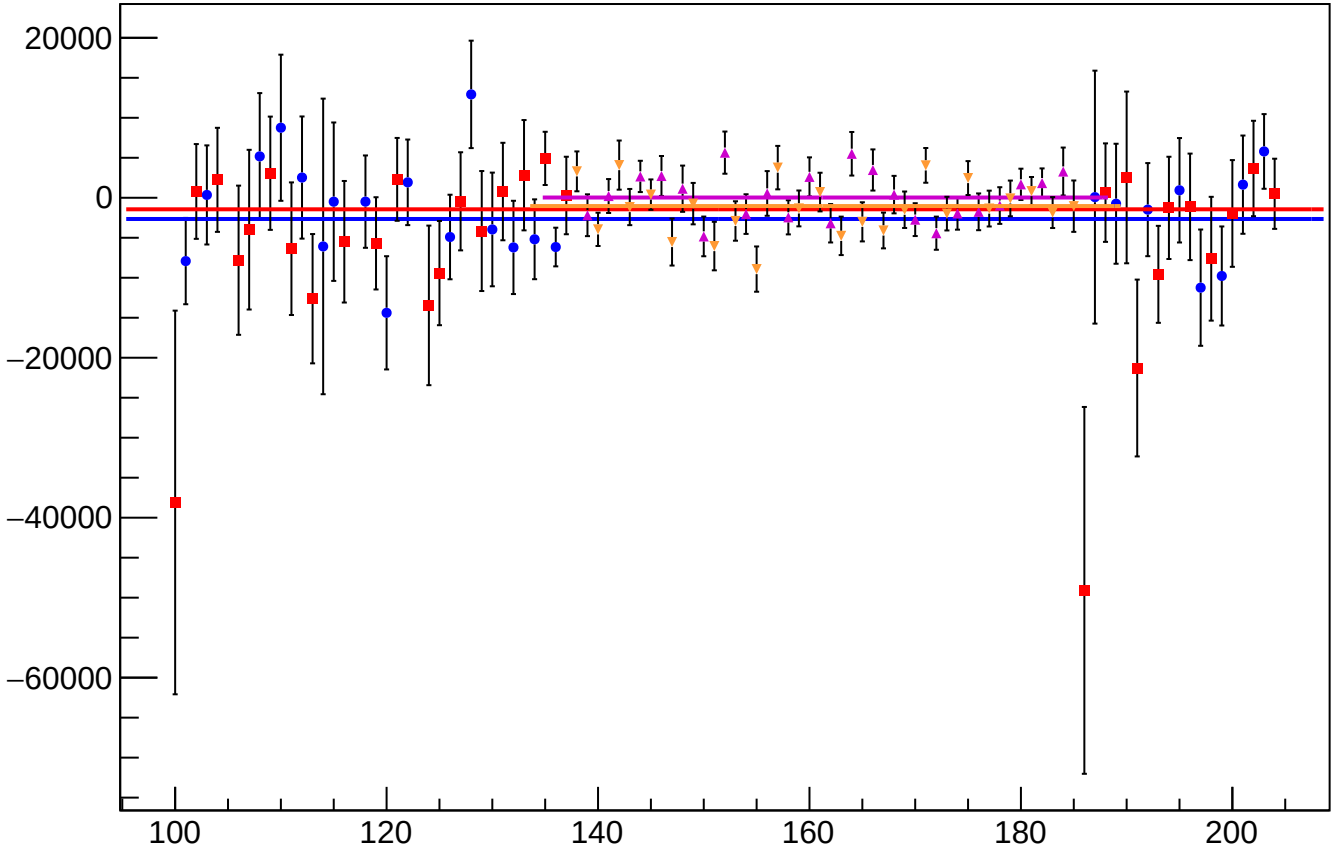
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 312.481+/-0.039 χ^2/NDF: 2058006.2/48

All: 315.105+/-0.028 χ^2/NDF: 4879767.4/101

- sign 317.761+/-0.040 χ^2/NDF: 2812845.3/52

asym_sam2_dit_correction_mean vs Slug



Right In: -2652.545+/-1183.356 χ^2/NDF: 23.1/23

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -1441.928+/-1189.055 χ^2/NDF: 25.9/29

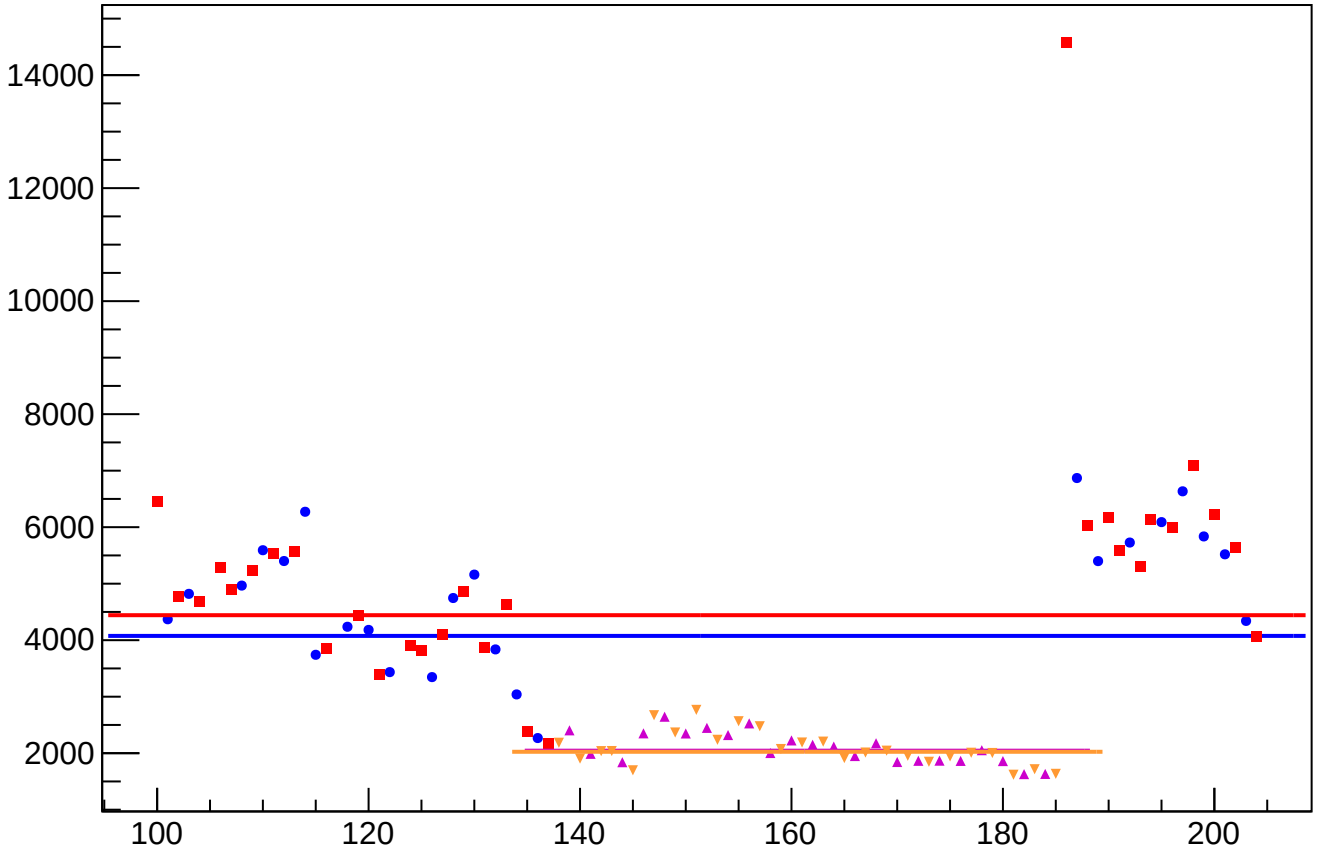
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1252.997+/-433.047 χ^2/NDF: 65.0/48

All: -732.247+/-310.998 χ^2/NDF: 129.4/101

- sign -177.602+/-446.918 χ^2/NDF: 61.4/52

asym_sam2_dit_correction_rms vs Slug



Right In: 4075.769+/-0.837 χ^2/NDF: 2551868.6/23

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4442.287+/-0.841 χ^2/NDF: 2854674.2/29

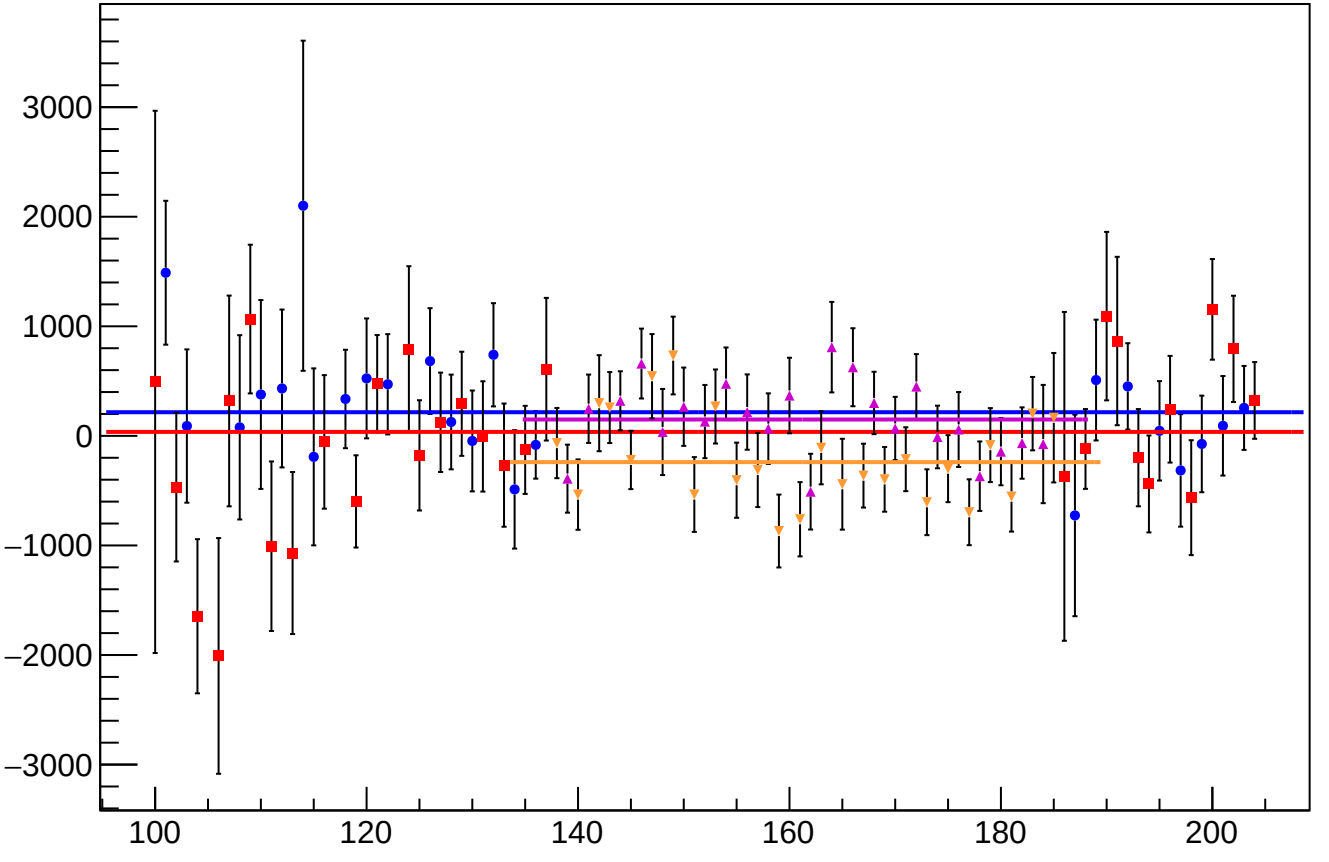
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2299.708+/-0.306 χ^2/NDF: 8454514.4/48

All: 2340.166+/-0.220 χ^2/NDF: 18914020.3/1

- sign 2383.256+/-0.316 χ^2/NDF: 10423456.9/52

eigen_dit_asym_sam2_mean vs Slug



Right In: 215.826+/-103.527 χ^2/NDF: 15.1/23

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 36.286+/-98.729 χ^2/NDF: 37.7/29

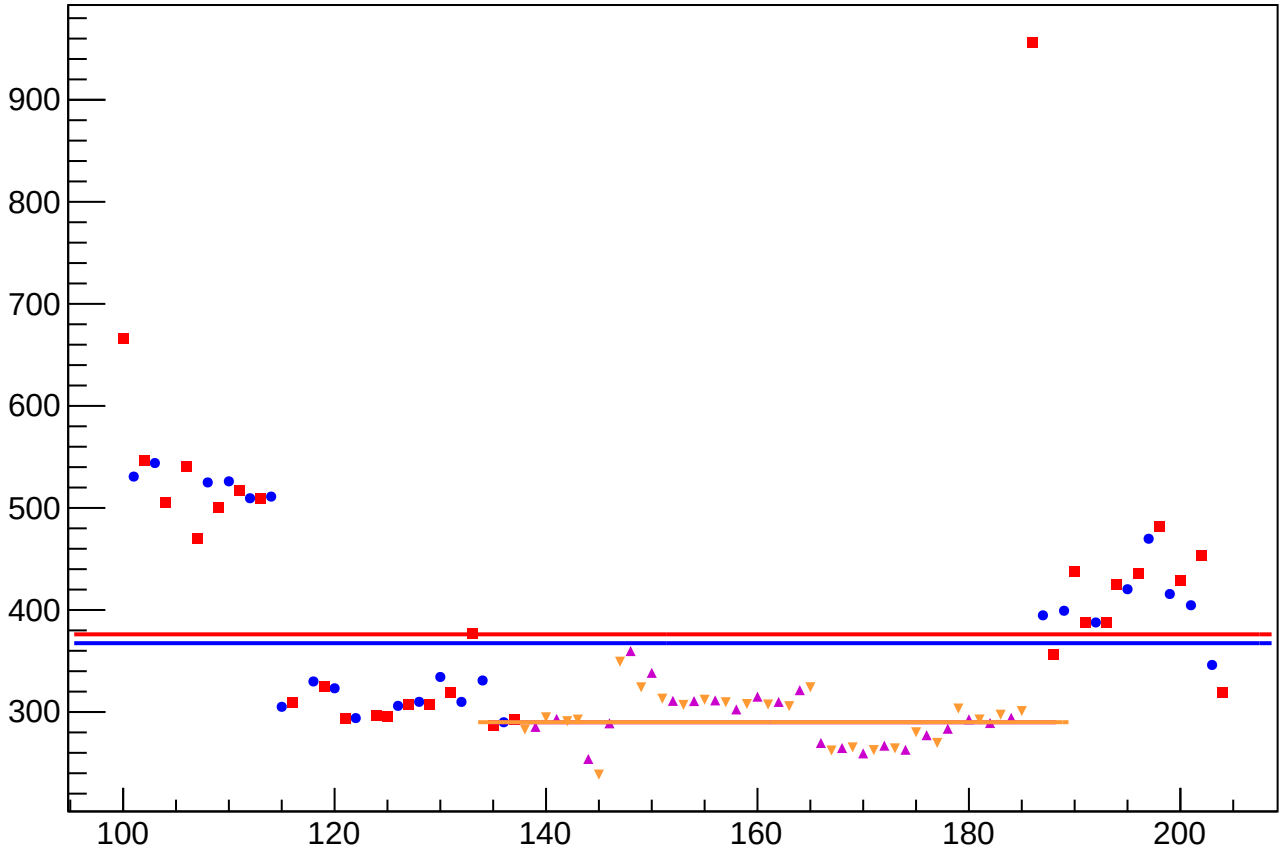
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -107.485+/-55.753 χ^2/NDF: 62.8/48

All: 2.075+/-39.542 χ^2/NDF: 130.8/101

- sign 112.969+/-56.091 χ^2/NDF: 60.3/52

eigen_dit_asym_sam2_rms vs Slug



Right In: 367.459+/-0.073 χ^2/NDF: 982901.4/23

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 376.132+/-0.070 χ^2/NDF: 1510883.0/29

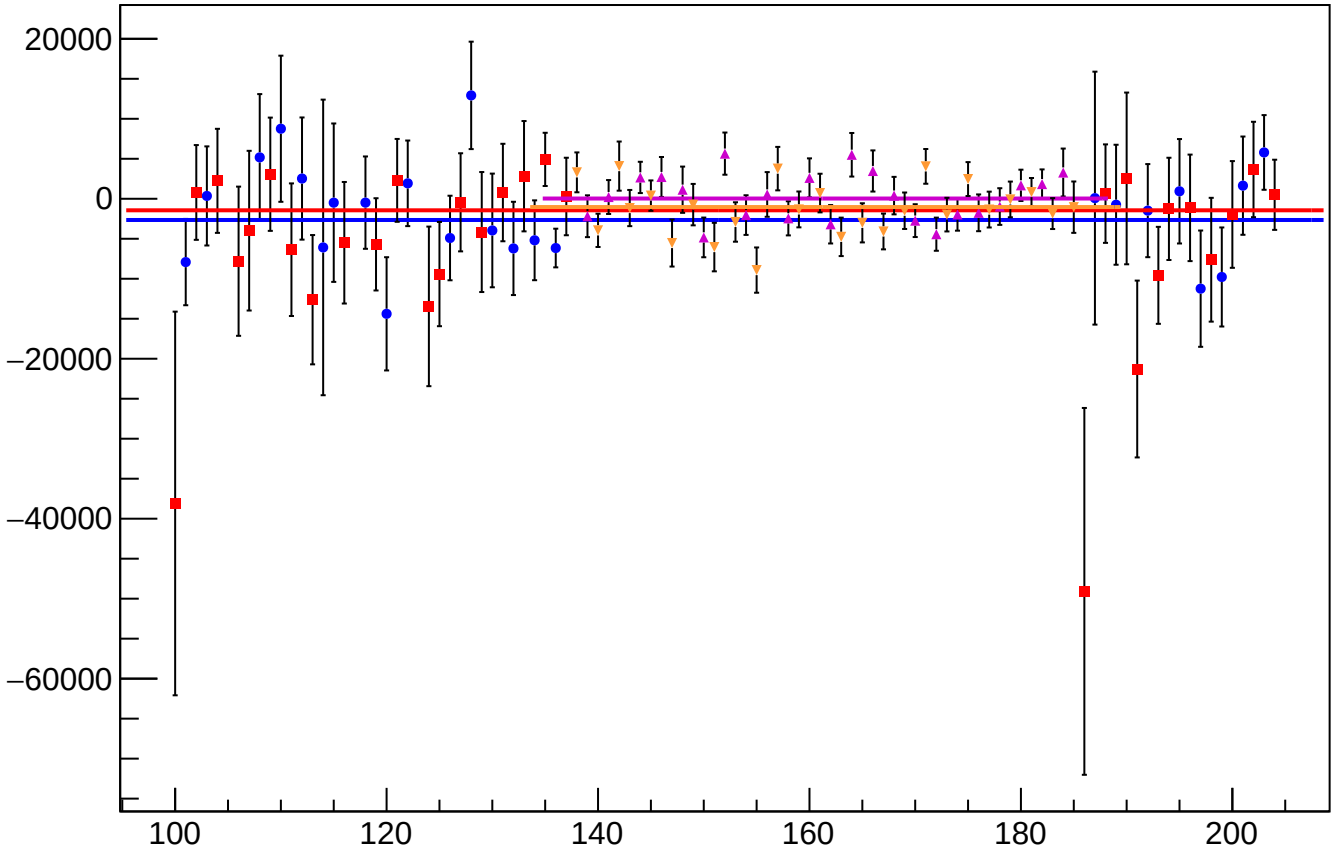
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 312.481+/-0.039 χ^2/NDF: 2057988.8/48

All: 315.105+/-0.028 χ^2/NDF: 4879734.9/101

- sign 317.761+/-0.040 χ^2/NDF: 2812830.0/52

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -2652.541+/-1183.355 χ^2/NDF: 23.1/23

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -1441.932+/-1189.054 χ^2/NDF: 25.9/29

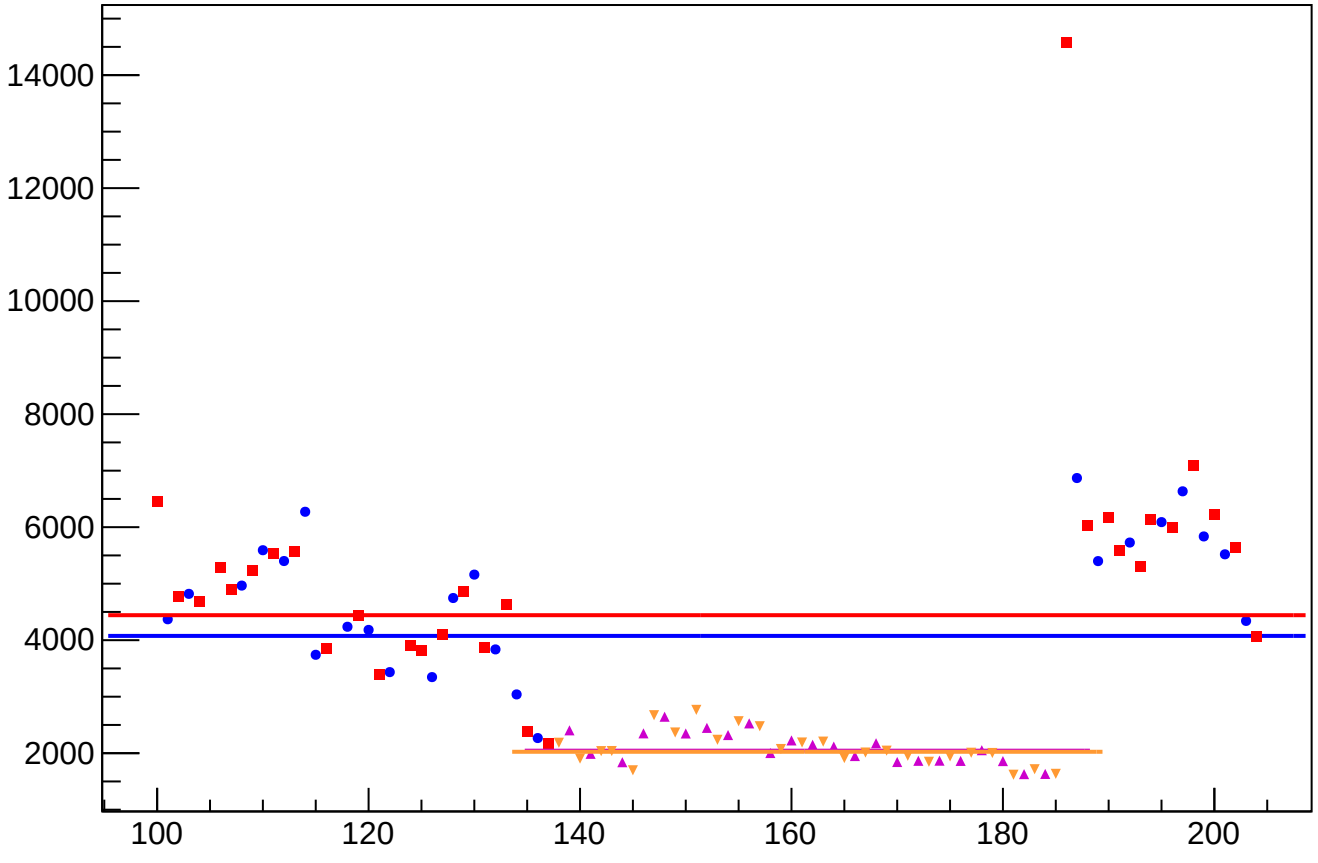
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1252.996+/-433.047 χ^2/NDF: 65.0/48

All: -732.248+/-310.998 χ^2/NDF: 129.4/101

- sign -177.604+/-446.918 χ^2/NDF: 61.4/52

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 4075.766+/-0.837 χ^2/NDF: 2551859.4/23

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4442.284+/-0.841 χ^2/NDF: 2854670.0/29

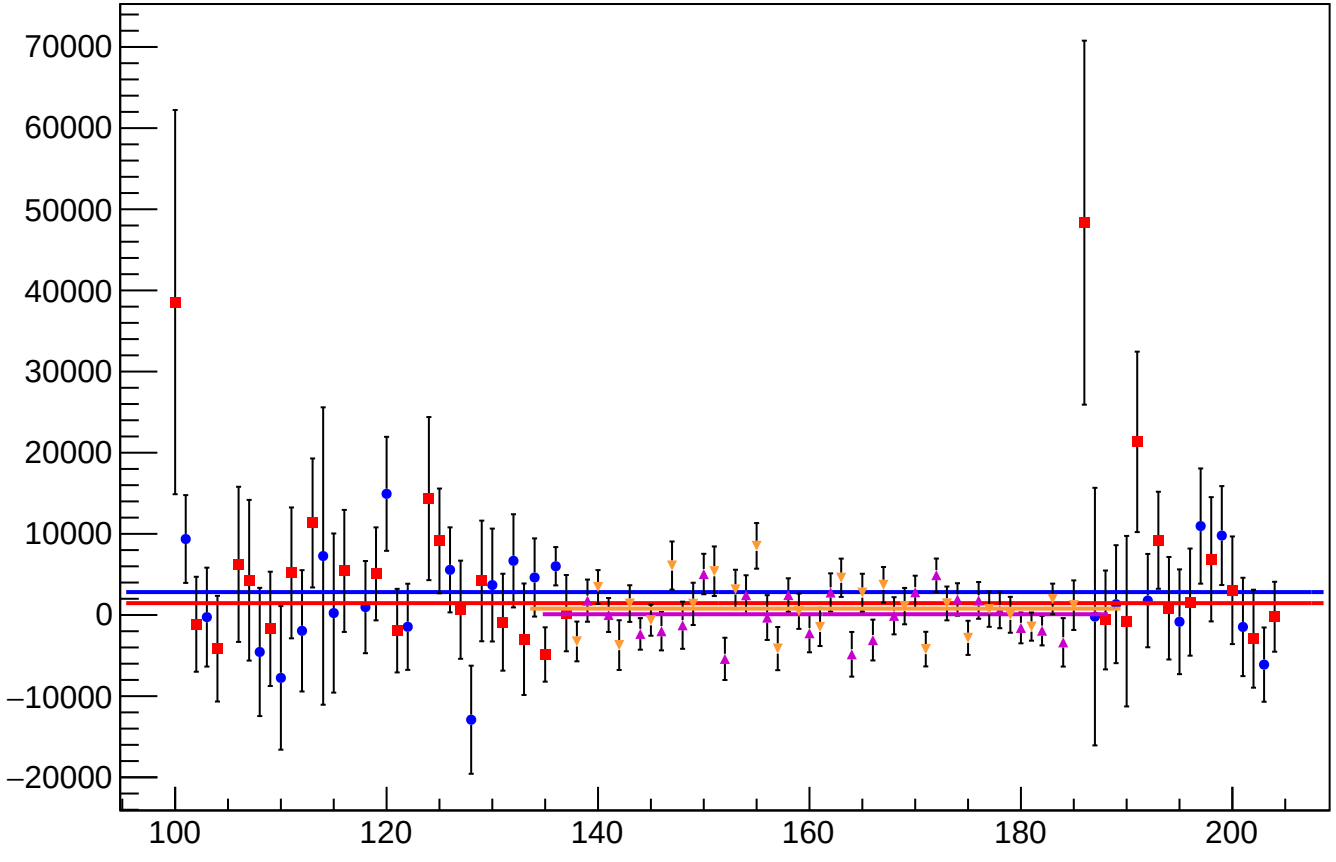
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2299.709+/-0.306 χ^2/NDF: 8454500.2/48

All: 2340.166+/-0.220 χ^2/NDF: 18913997.7/1

- sign 2383.256+/-0.316 χ^2/NDF: 10423449.0/52

asym_sam2_mean vs Slug



Right In: 2823.151+/-1163.097 χ^2/NDF: 23.9/23

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 1462.128+/-1179.306 χ^2/NDF: 24.9/29

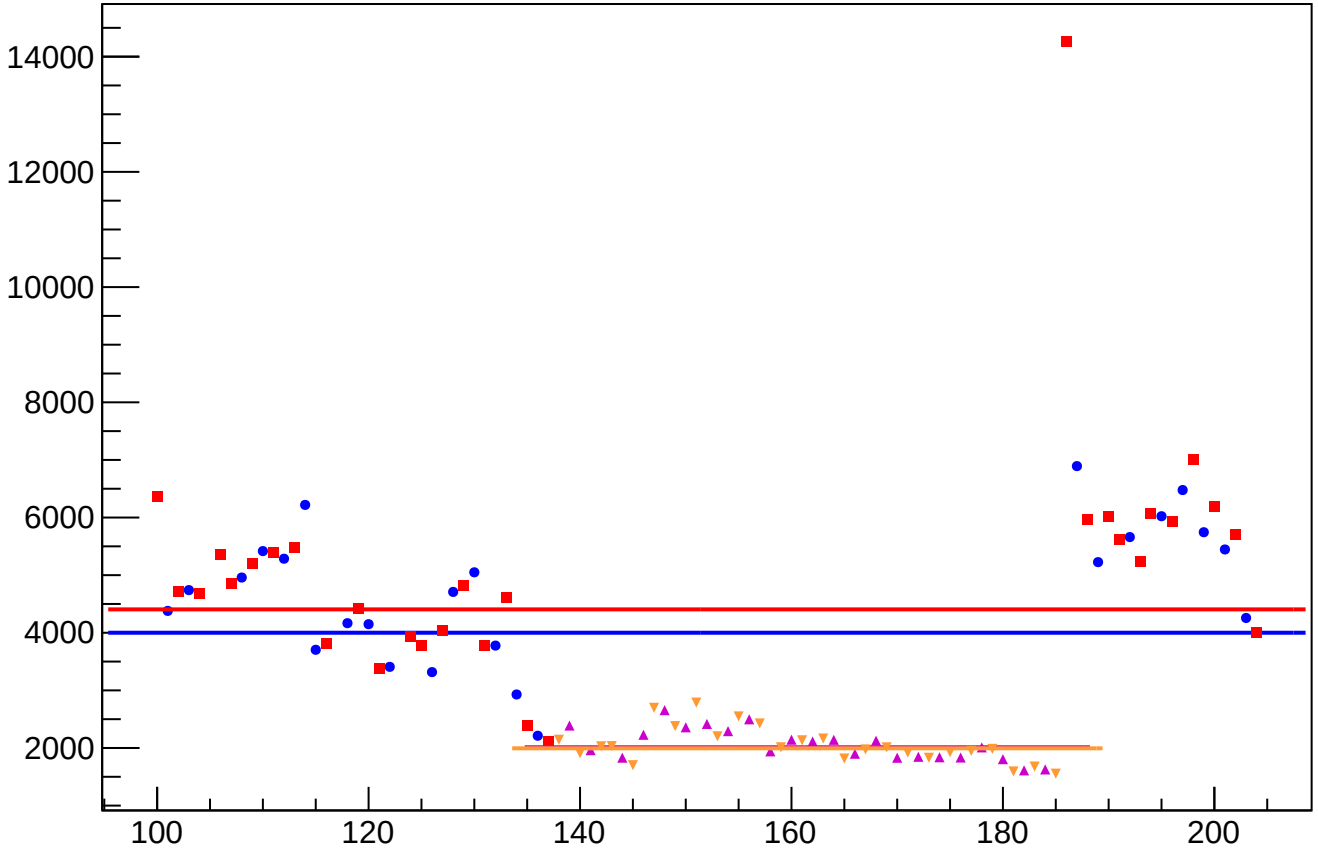
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1062.235+/-426.735 χ^2/NDF: 67.9/48

All: 686.983+/-306.486 χ^2/NDF: 128.3/101

- sign 287.200+/-440.463 χ^2/NDF: 58.9/52

asym_sam2_rms vs Slug



Right In: 4000.661+/-0.822 χ^2/NDF: 2602304.9/23

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

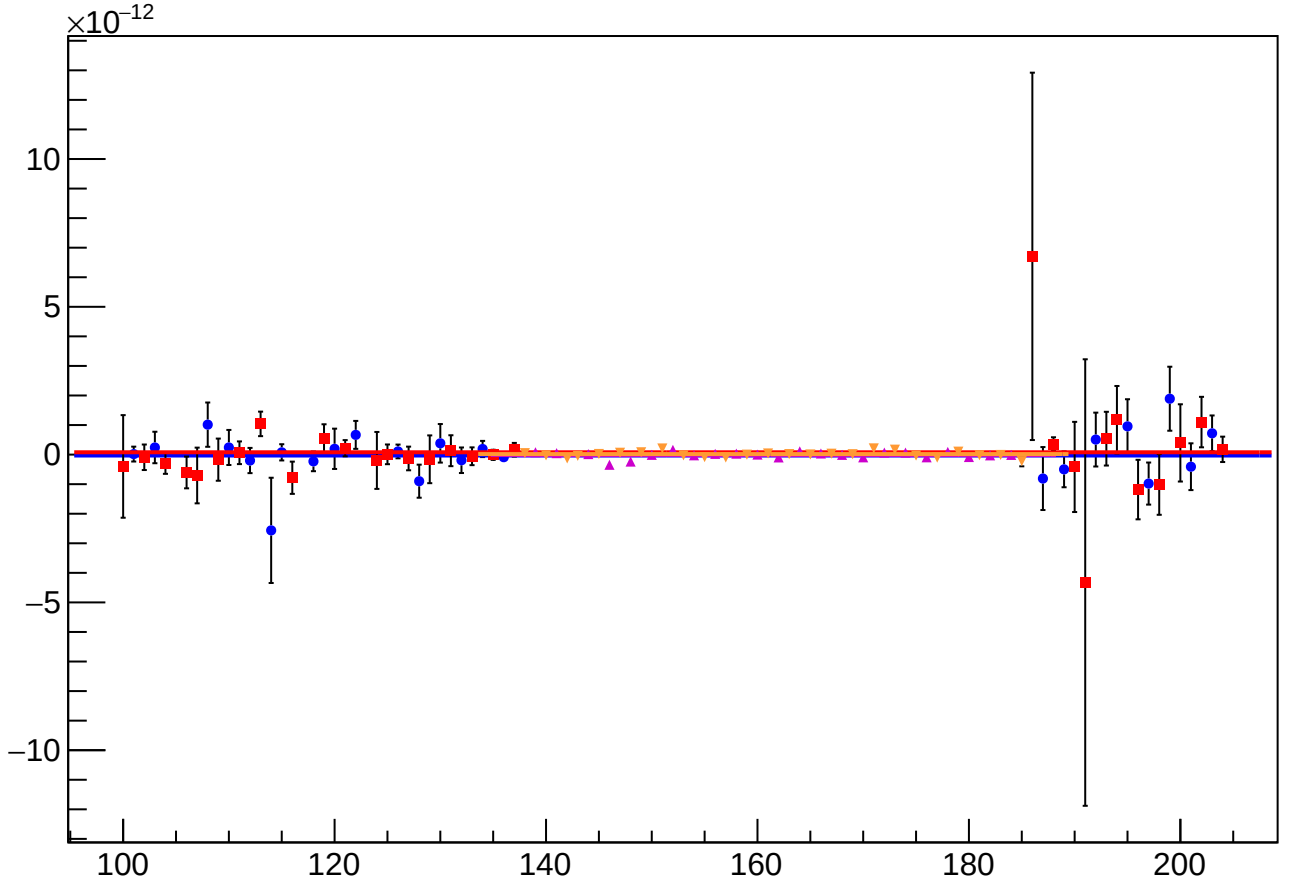
Right Out: 4405.985+/-0.834 χ^2/NDF: 2845650.1/29

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2264.334+/-0.302 χ^2/NDF: 8499317.6/48

All: 2304.141+/-0.217 χ^2/NDF: 19056124.4/1

- sign 2346.550+/-0.311 χ^2/NDF: 10520862.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/29

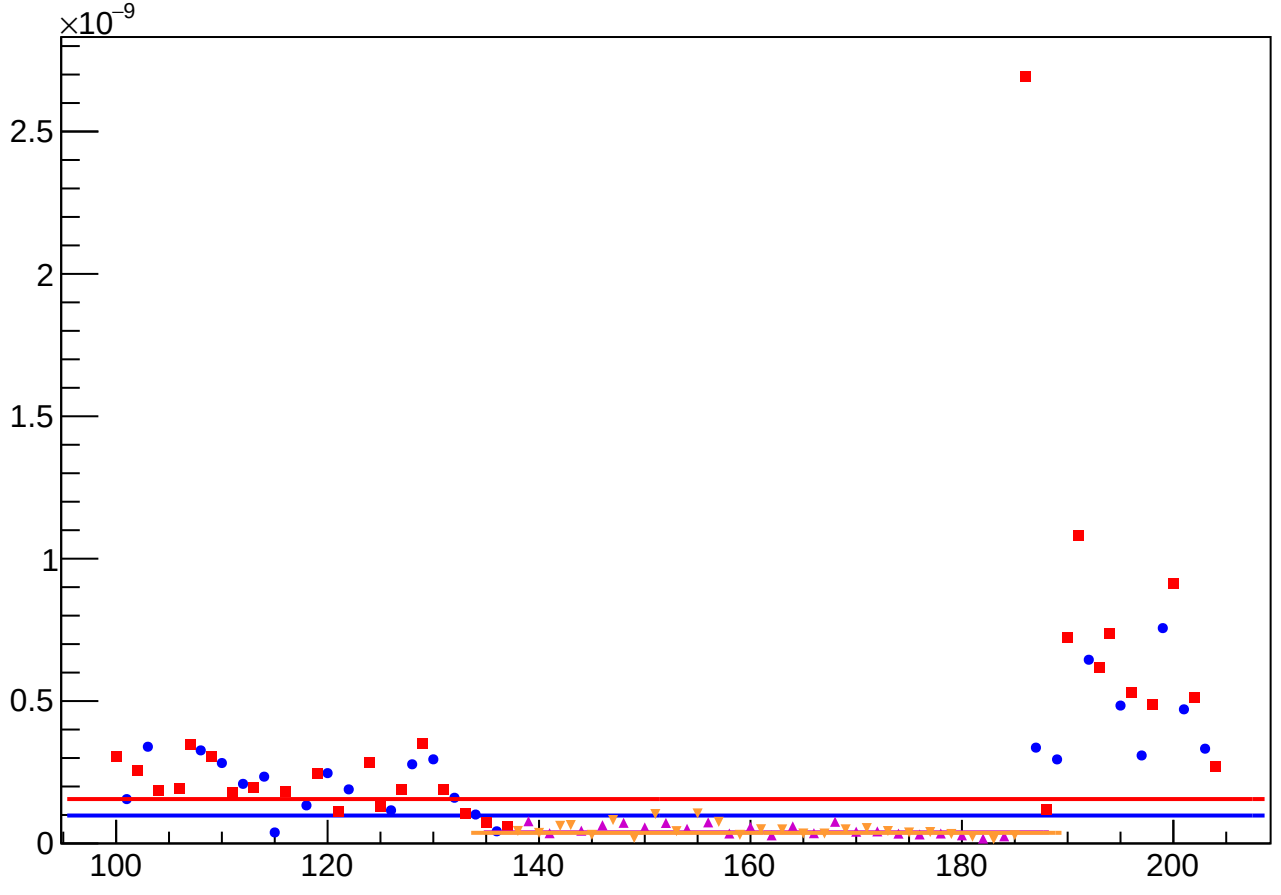
Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.1/48

All: 0.000+/-0.000 χ^2/NDF: 98.8/101

- sign -0.000+/-0.000 χ^2/NDF: 54.3/52

asym_sam2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5874694.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4892784.6/29

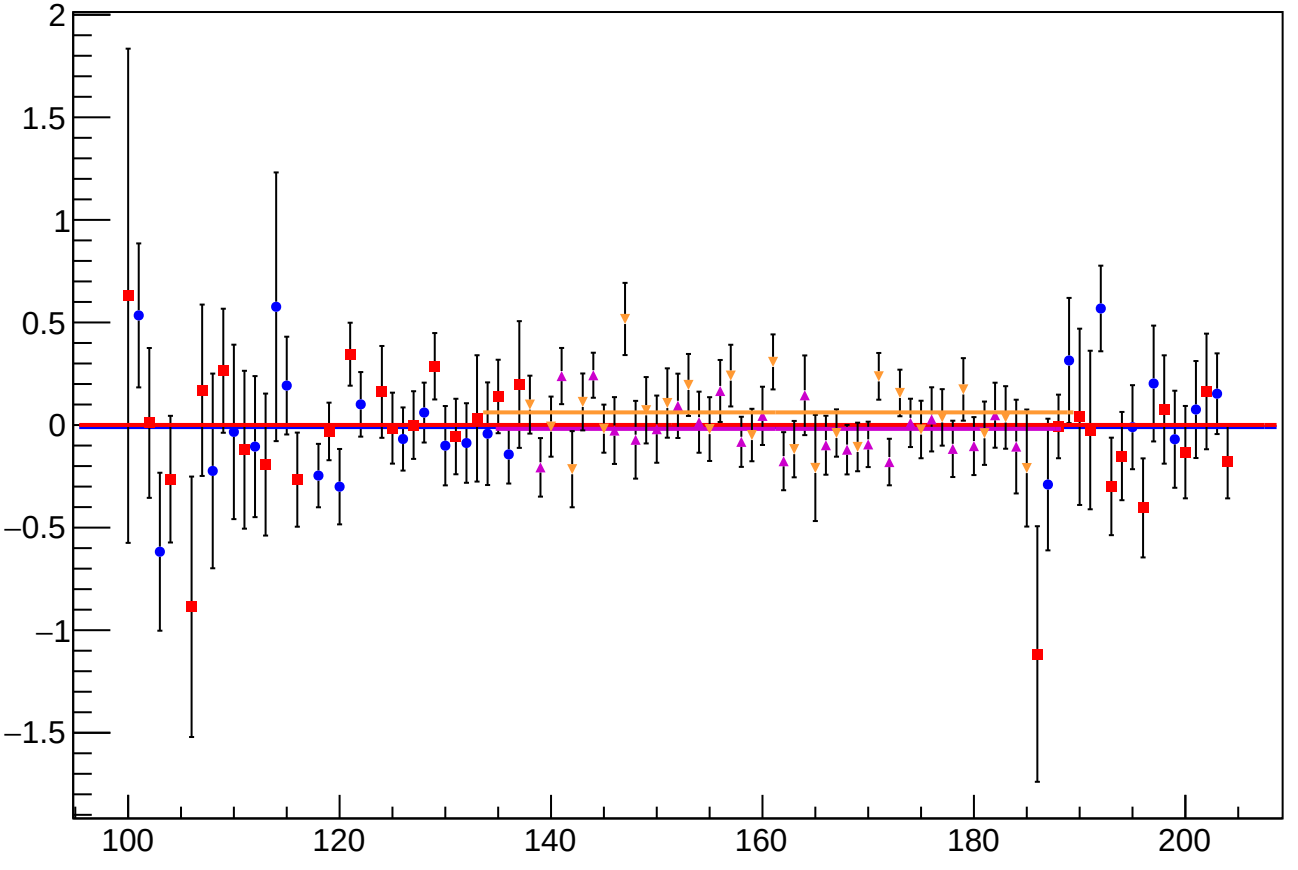
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10171984.1/48

All: 0.000+/-0.000 χ^2/NDF: 21438418.9/101

- sign 0.000+/-0.000 χ^2/NDF: 11226236.4/52

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.010+/-0.044 χ^2/NDF: 24.7/23

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.000+/-0.042 χ^2/NDF: 25.4/29

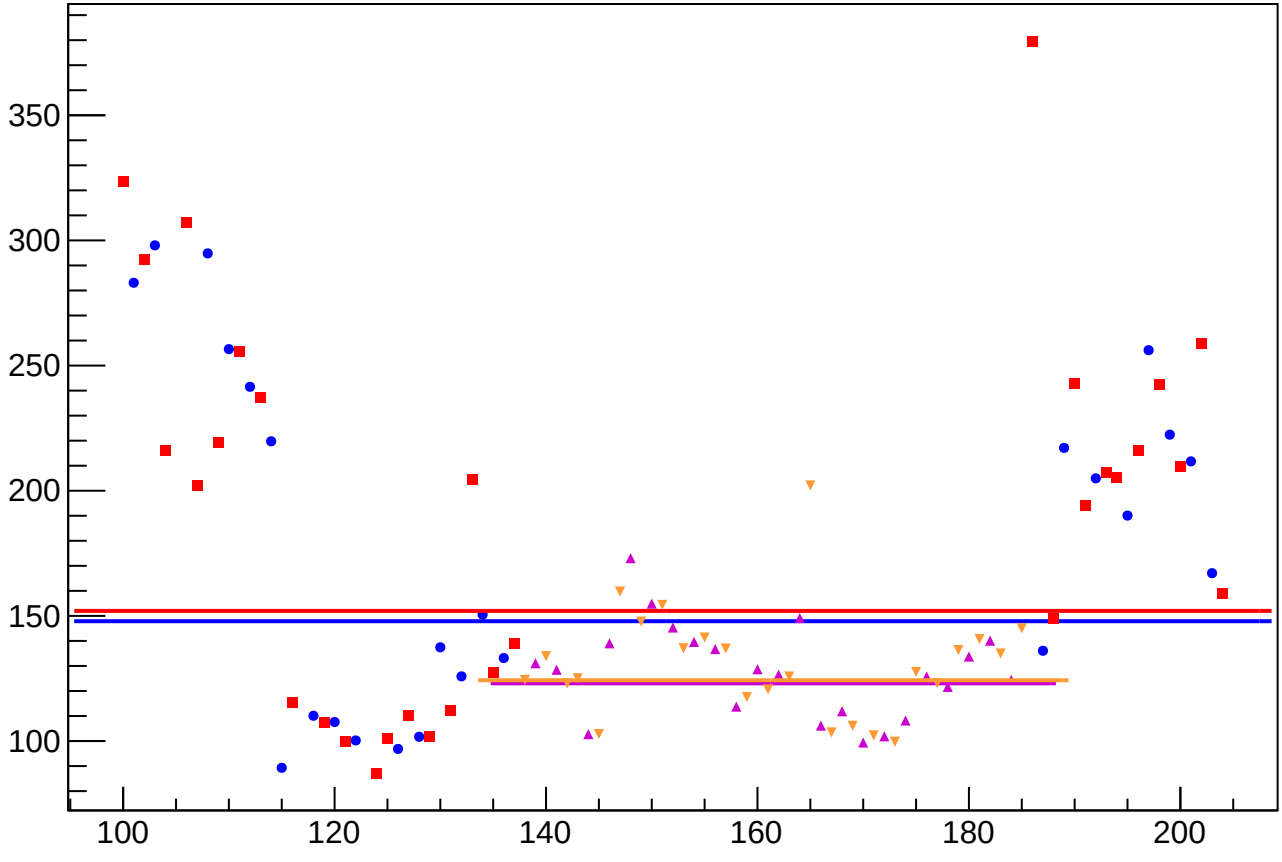
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.040+/-0.024 χ^2/NDF: 54.0/48

All: 0.014+/-0.017 χ^2/NDF: 102.2/101

- sign -0.012+/-0.024 χ^2/NDF: 45.8/52

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 147.877+/-0.031 χ^2/NDF: 3086654.1/23

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.997+/-0.030 χ^2/NDF: 3682451.4/29

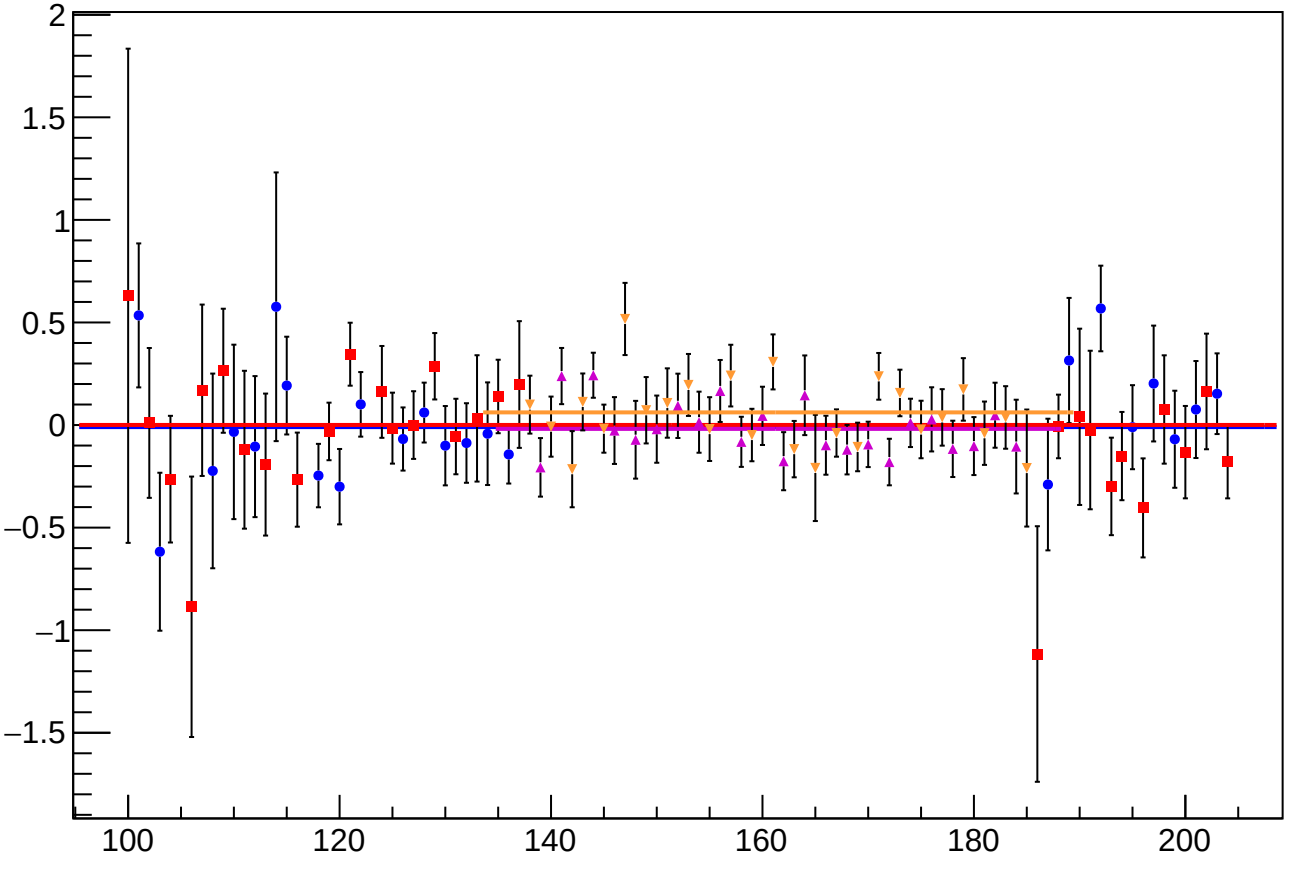
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 131.306+/-0.017 χ^2/NDF: 4329826.9/48

All: 131.918+/-0.012 χ^2/NDF: 9370728.3/101

- sign 132.531+/-0.017 χ^2/NDF: 5038303.5/52

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.010+/-0.044 χ^2/NDF: 24.7/23

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.000+/-0.042 χ^2/NDF: 25.4/29

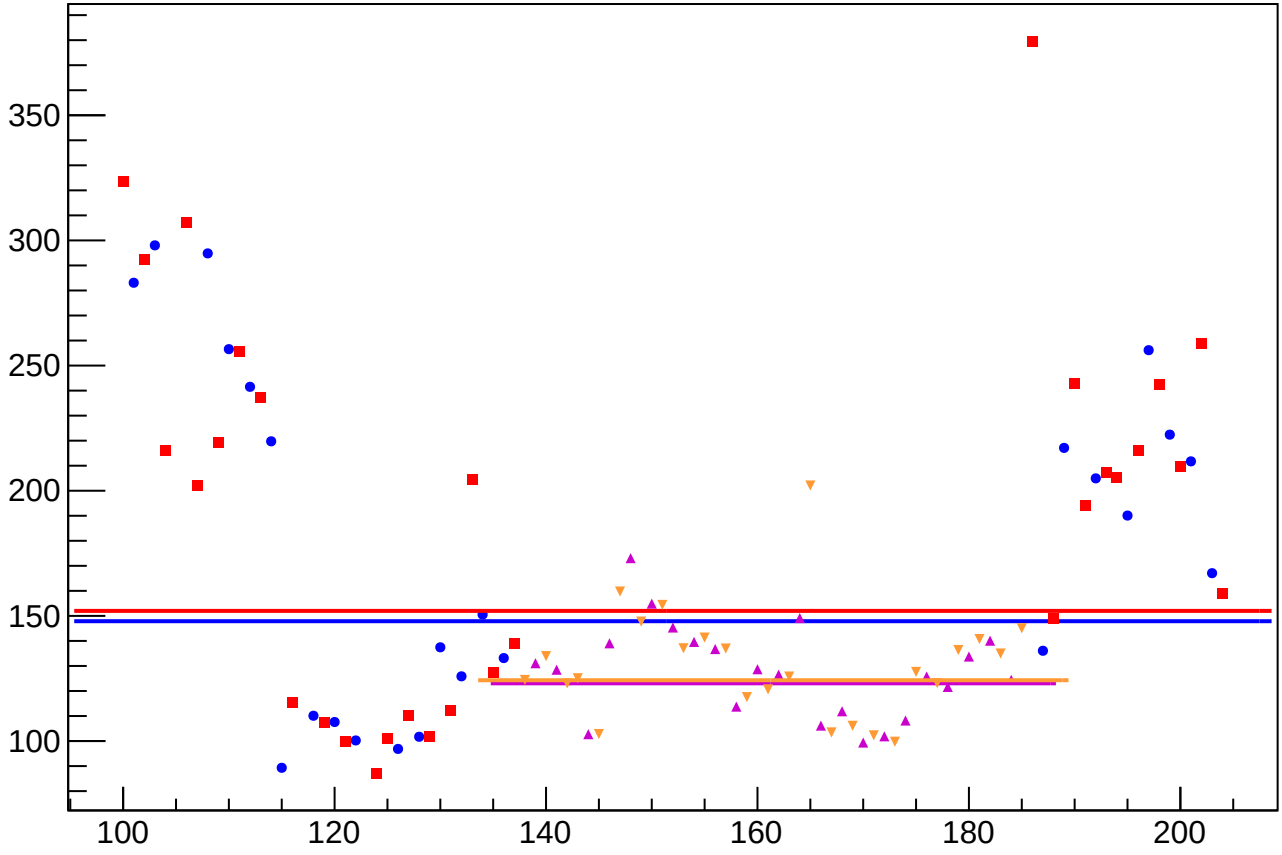
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.040+/-0.024 χ^2/NDF: 54.0/48

All: 0.014+/-0.017 χ^2/NDF: 102.2/101

- sign -0.012+/-0.024 χ^2/NDF: 45.8/52

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 147.877+/-0.031 χ^2/NDF: 3086654.1/23

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.997+/-0.030 χ^2/NDF: 3682451.4/29

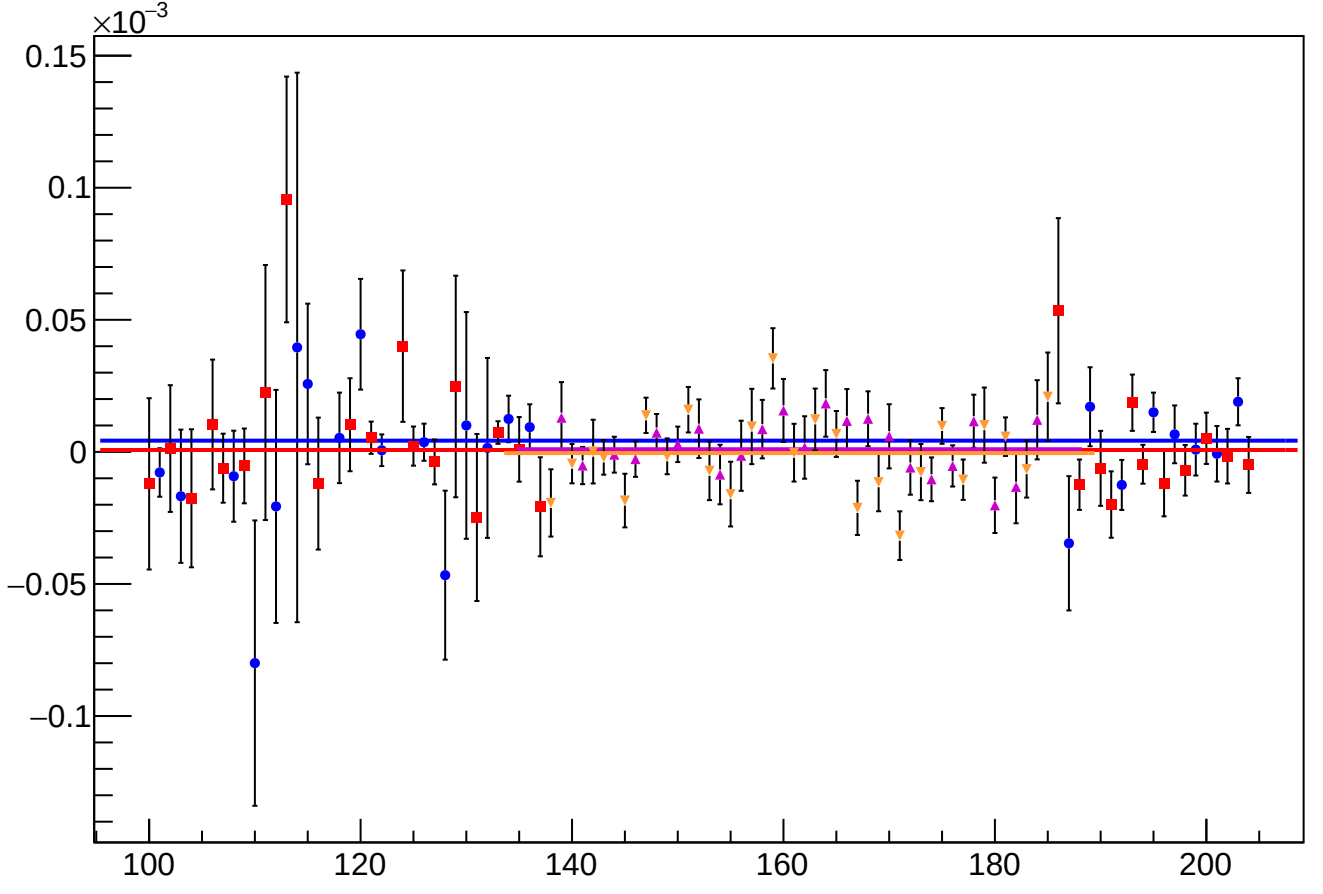
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 131.306+/-0.017 χ^2/NDF: 4329826.9/48

All: 131.918+/-0.012 χ^2/NDF: 9370728.3/101

- sign 132.531+/-0.017 χ^2/NDF: 5038303.5/52

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/23

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/29

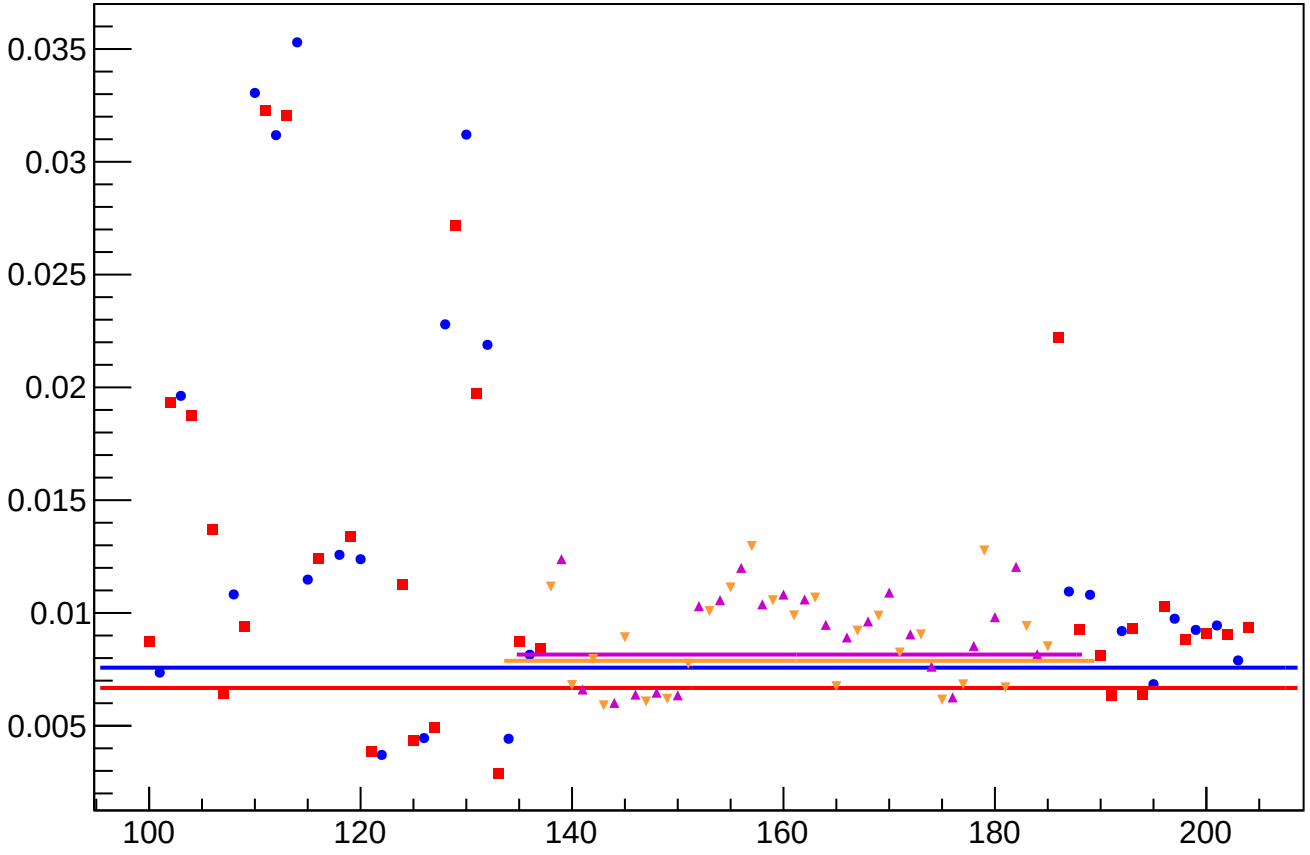
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 80.5/48

All: 0.000+/-0.000 χ^2/NDF: 126.9/101

- sign 0.000+/-0.000 χ^2/NDF: 46.3/52

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 5311264.6/23

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

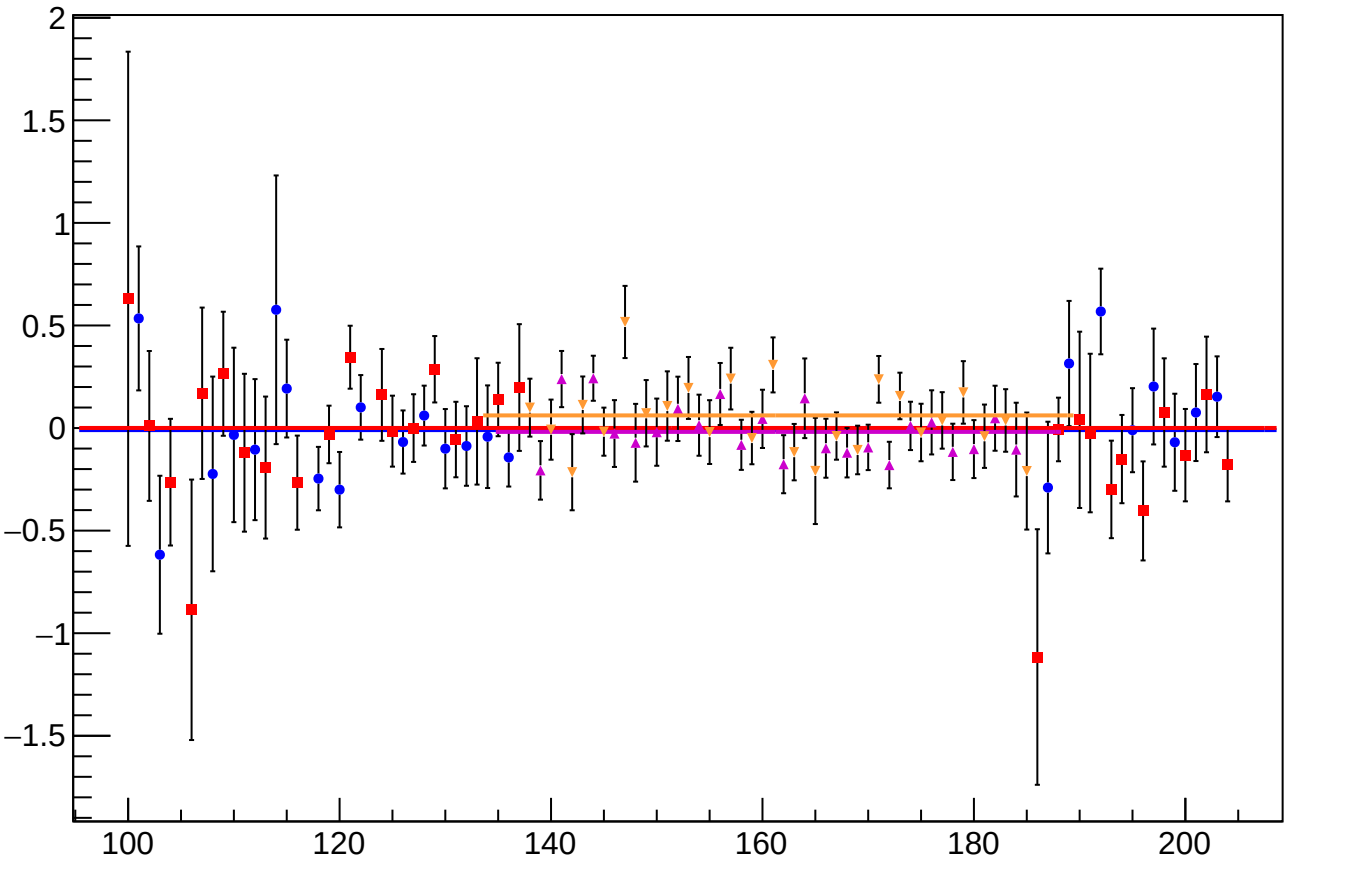
Right Out: 0.007+/-0.000 χ^2/NDF: 7339704.8/29

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7408322.1/48

All: 0.008+/-0.000 χ^2/NDF: 17367116.4/101

- sign 0.007+/-0.000 χ^2/NDF: 9904208.4/52



Right In: -0.010+/-0.044 χ^2/NDF: 24.7/23

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.000+/-0.042 χ^2/NDF: 25.4/29

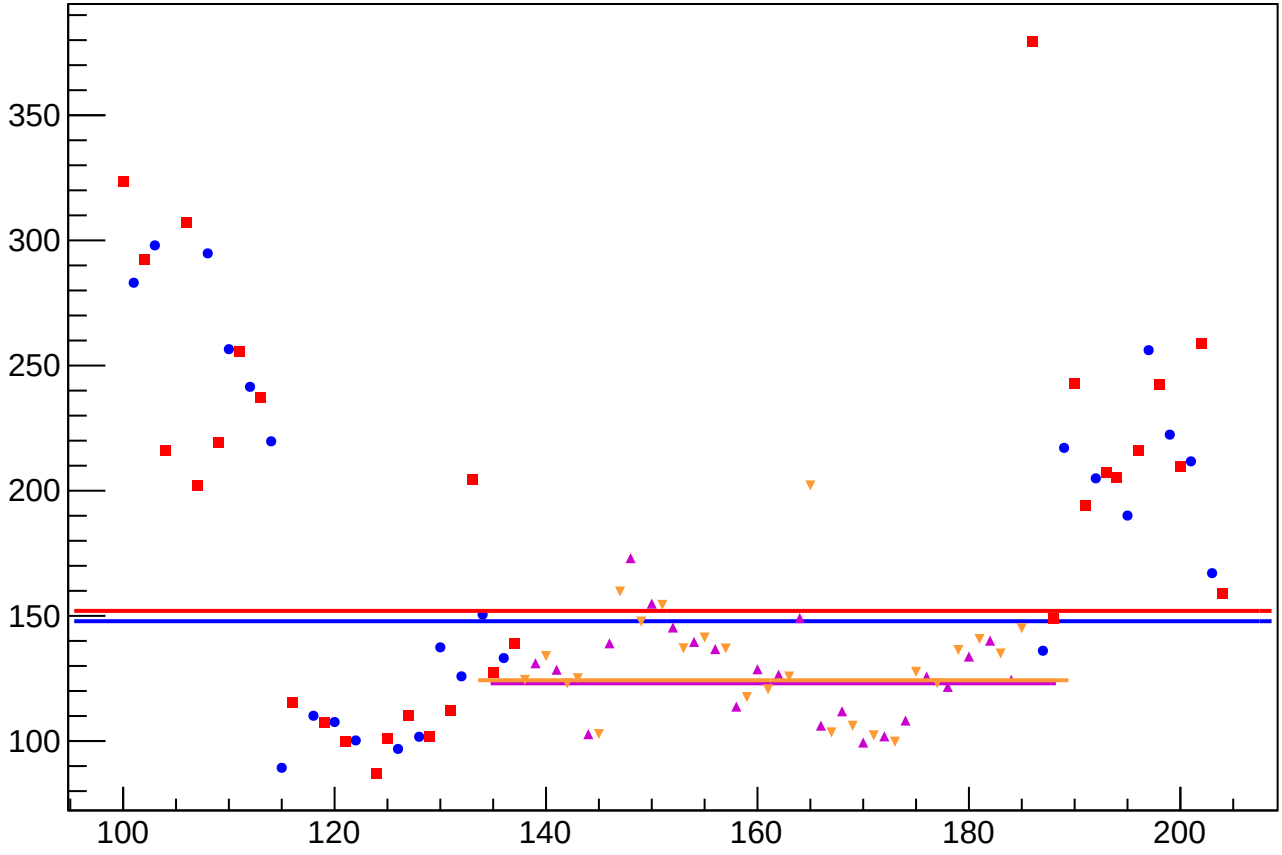
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.040+/-0.024 χ^2/NDF: 54.0/48

All: 0.014+/-0.017 χ^2/NDF: 102.2/101

- sign -0.012+/-0.024 χ^2/NDF: 45.8/52

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 147.874+/-0.031 χ^2/NDF: 3086708.1/23

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

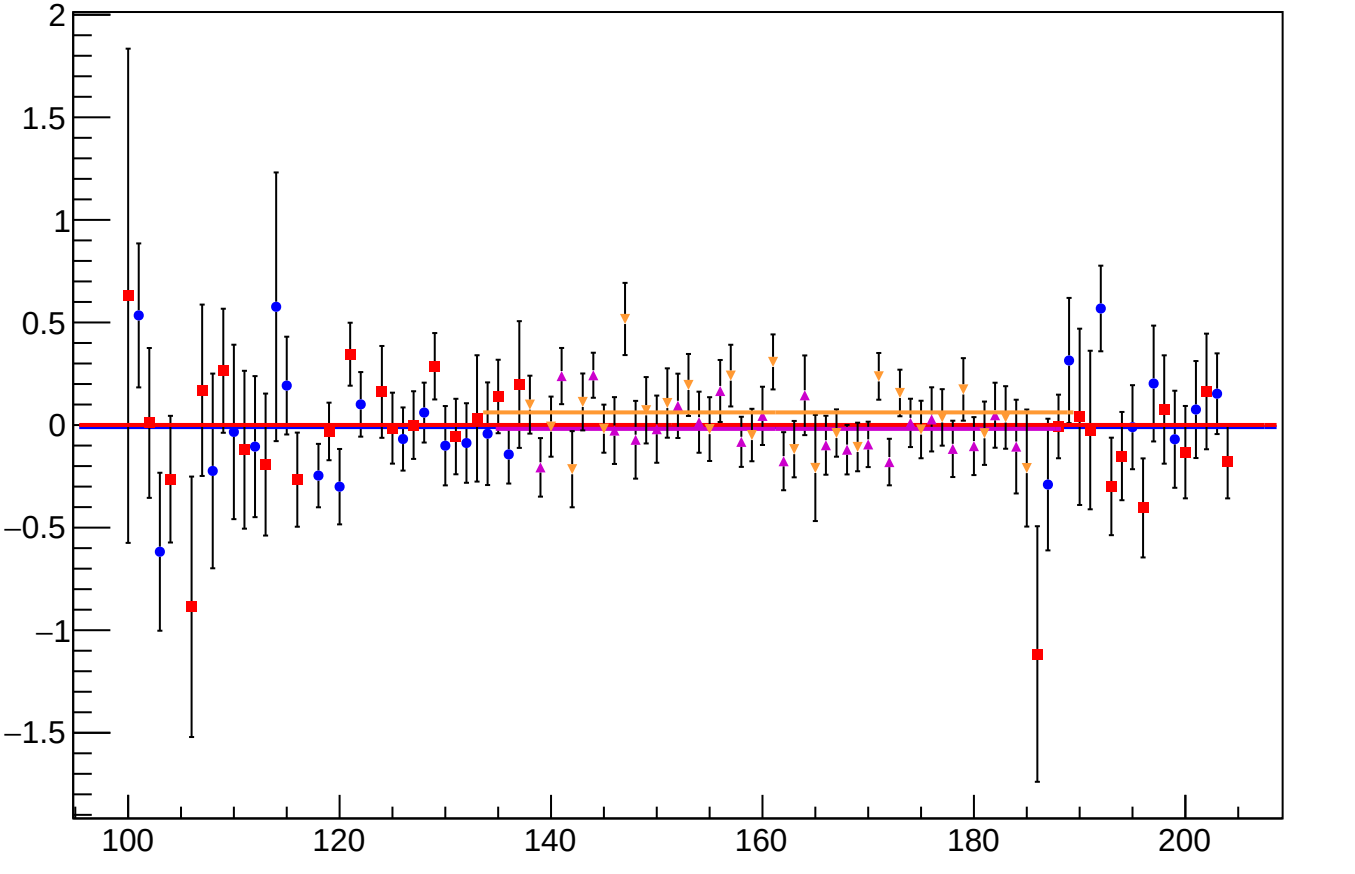
Right Out: 151.995+/-0.030 χ^2/NDF: 3682572.2/29

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 131.305+/-0.017 χ^2/NDF: 4329855.0/48

All: 131.918+/-0.012 χ^2/NDF: 9370811.1/101

- sign 132.531+/-0.017 χ^2/NDF: 5038358.6/52



Right In: -0.010+/-0.044 χ^2/NDF: 24.7/23

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.000+/-0.042 χ^2/NDF: 25.4/29

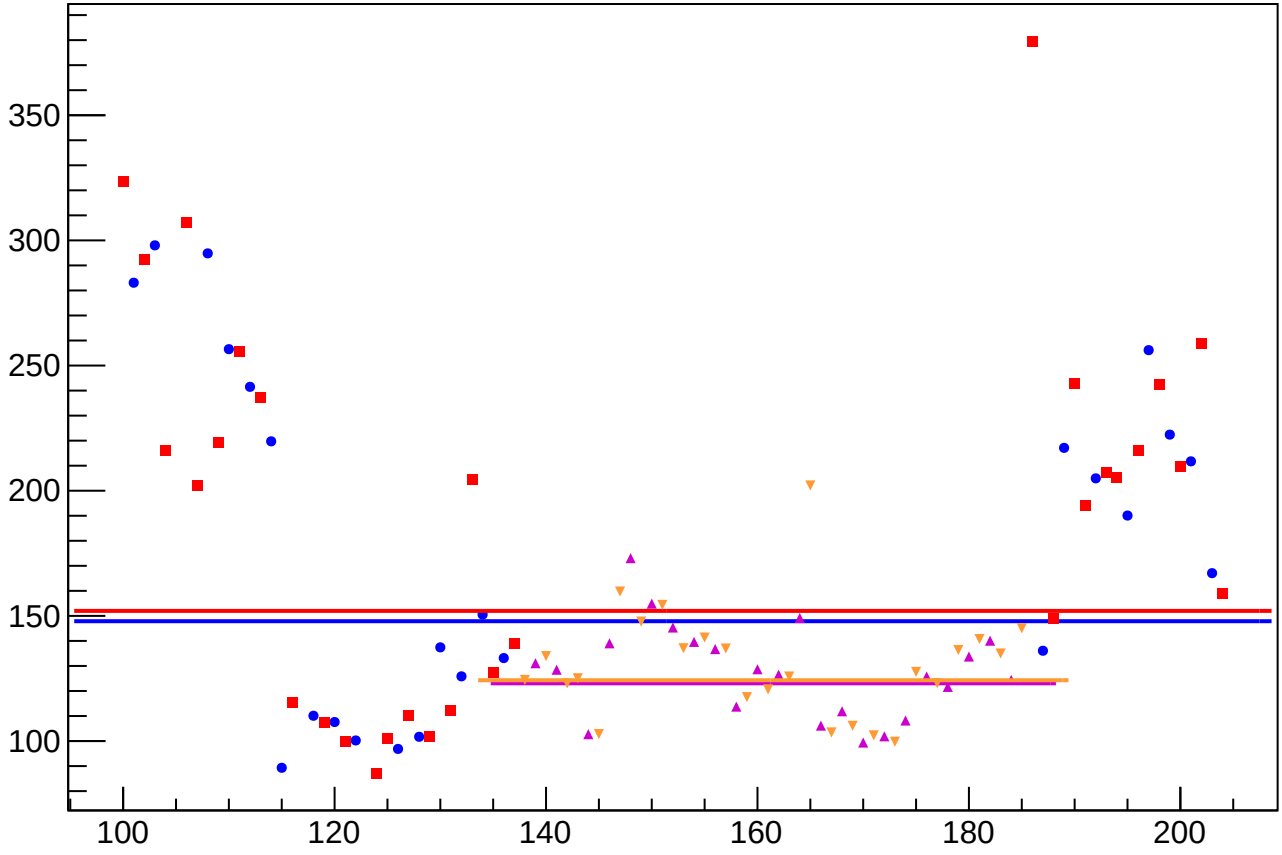
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.040+/-0.024 χ^2/NDF: 54.0/48

All: 0.014+/-0.017 χ^2/NDF: 102.2/101

- sign -0.012+/-0.024 χ^2/NDF: 45.8/52

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 147.874+/-0.031 χ^2/NDF: 3086708.1/23

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

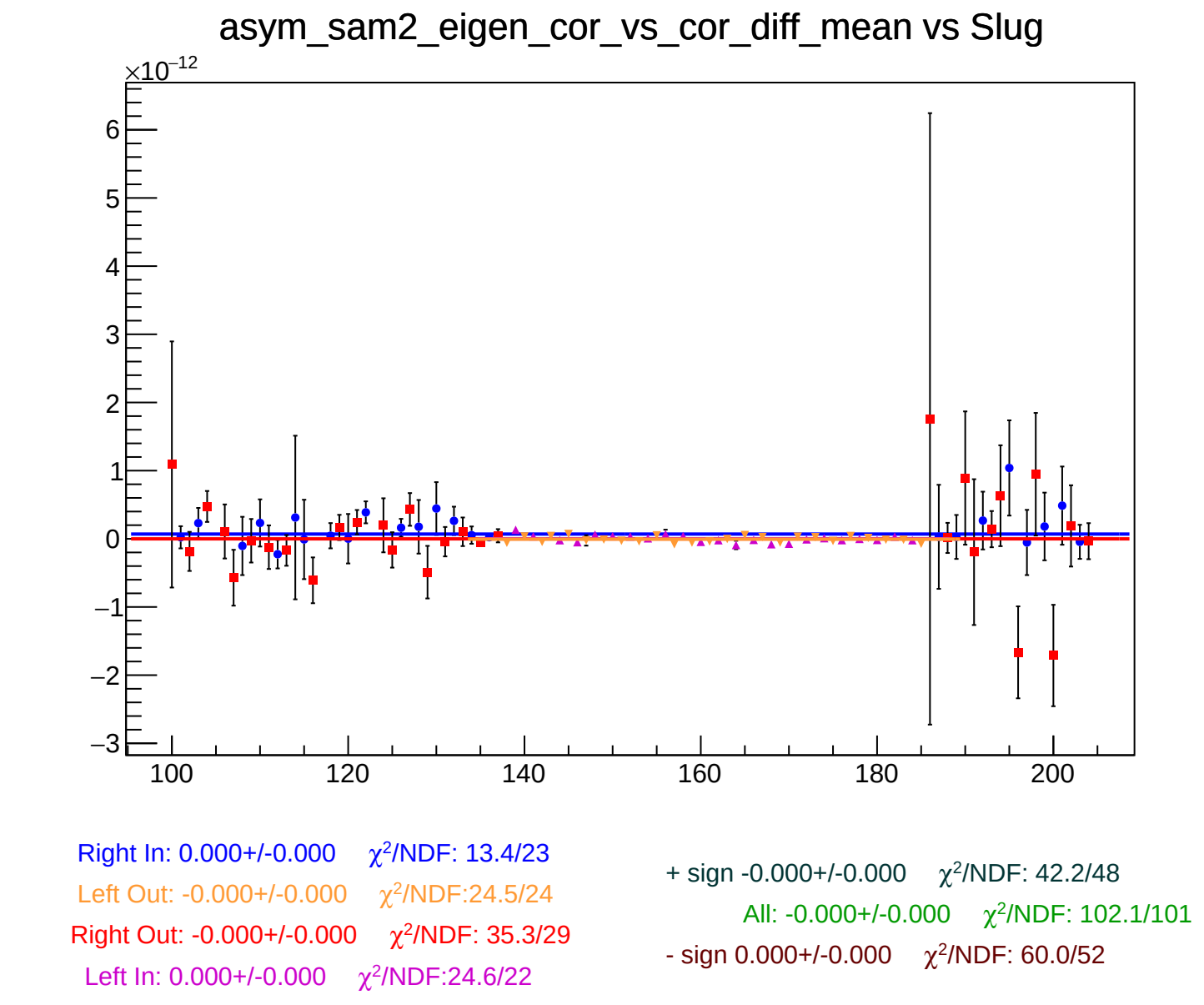
Right Out: 151.995+/-0.030 χ^2/NDF: 3682572.2/29

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

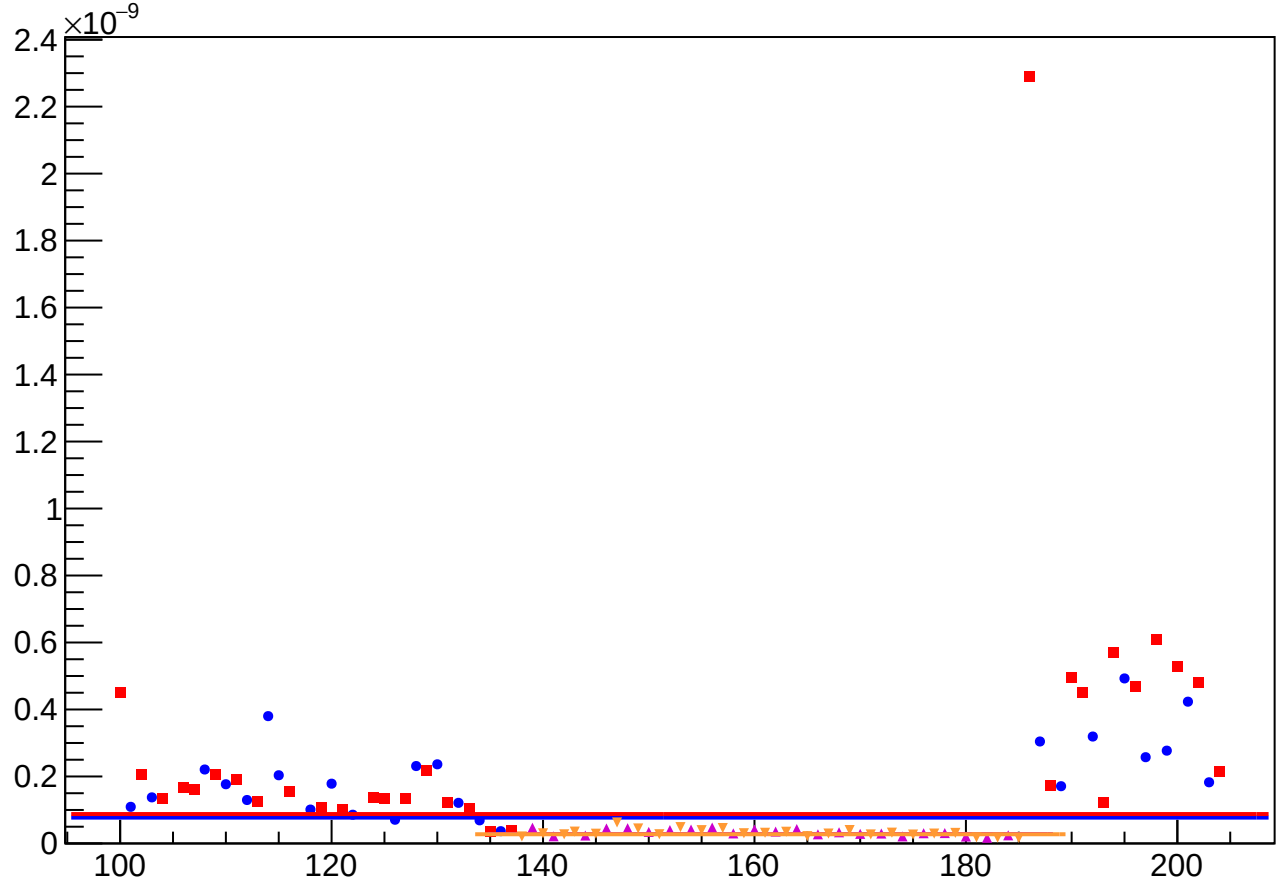
+ sign 131.305+/-0.017 χ^2/NDF: 4329855.0/48

All: 131.918+/-0.012 χ^2/NDF: 9370811.1/101

- sign 132.531+/-0.017 χ^2/NDF: 5038358.6/52


asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
6
5
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 13.4/23
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.3/29
Left In: 0.000+/-0.000 χ²/NDF:24.6/22
+ sign -0.000+/-0.000 χ²/NDF: 42.2/48
All: -0.000+/-0.000 χ²/NDF: 102.1/101
- sign 0.000+/-0.000 χ²/NDF: 60.0/52

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6740162.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9477031.8/29

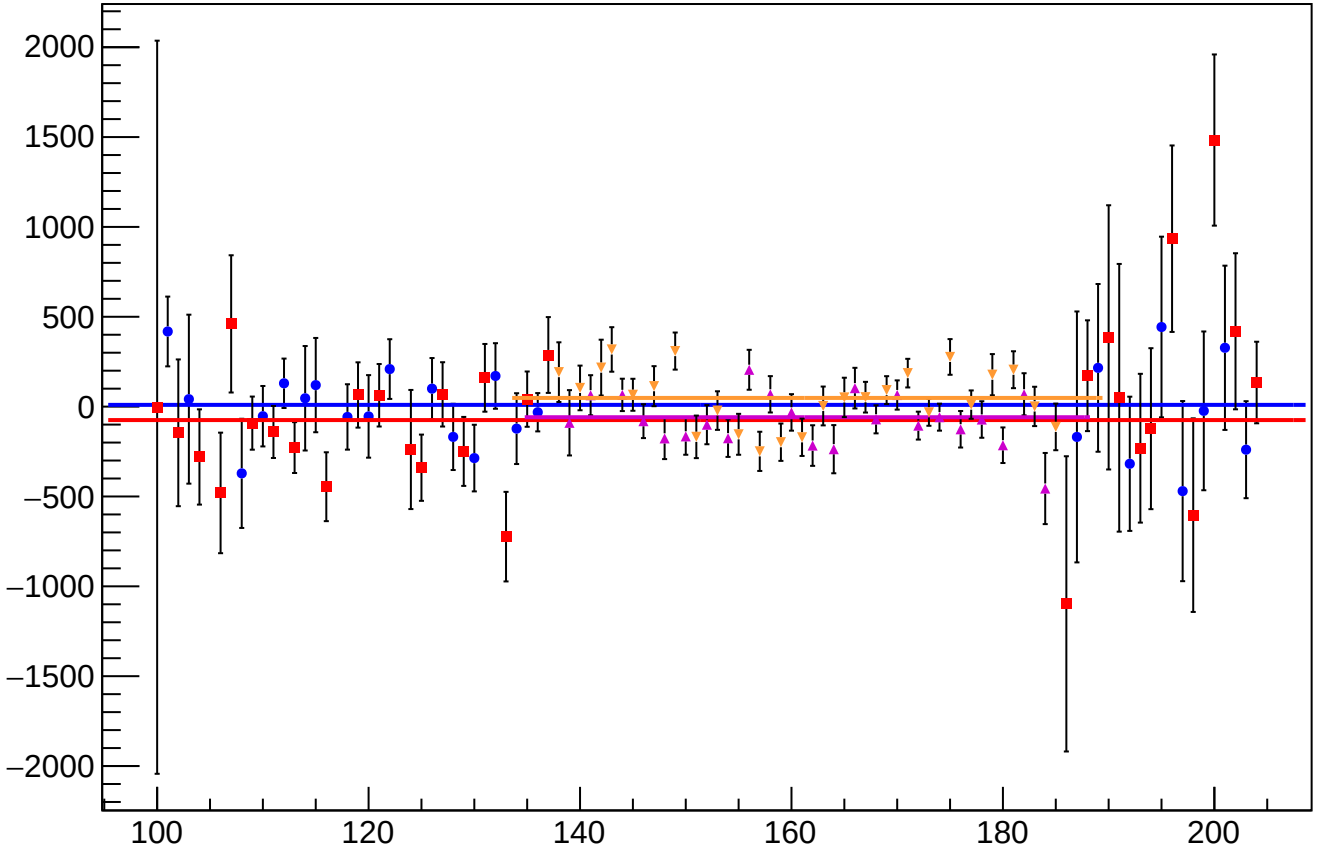
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12963557.1/48

All: 0.000+/-0.000 χ^2/NDF: 29423235.5/101

- sign 0.000+/-0.000 χ^2/NDF: 16440872.4/52

reg_asym_sam3_mean vs Slug



Right In: 9.759+/-43.680 χ^2/NDF: 17.9/23

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -74.834+/-43.074 χ^2/NDF: 46.4/29

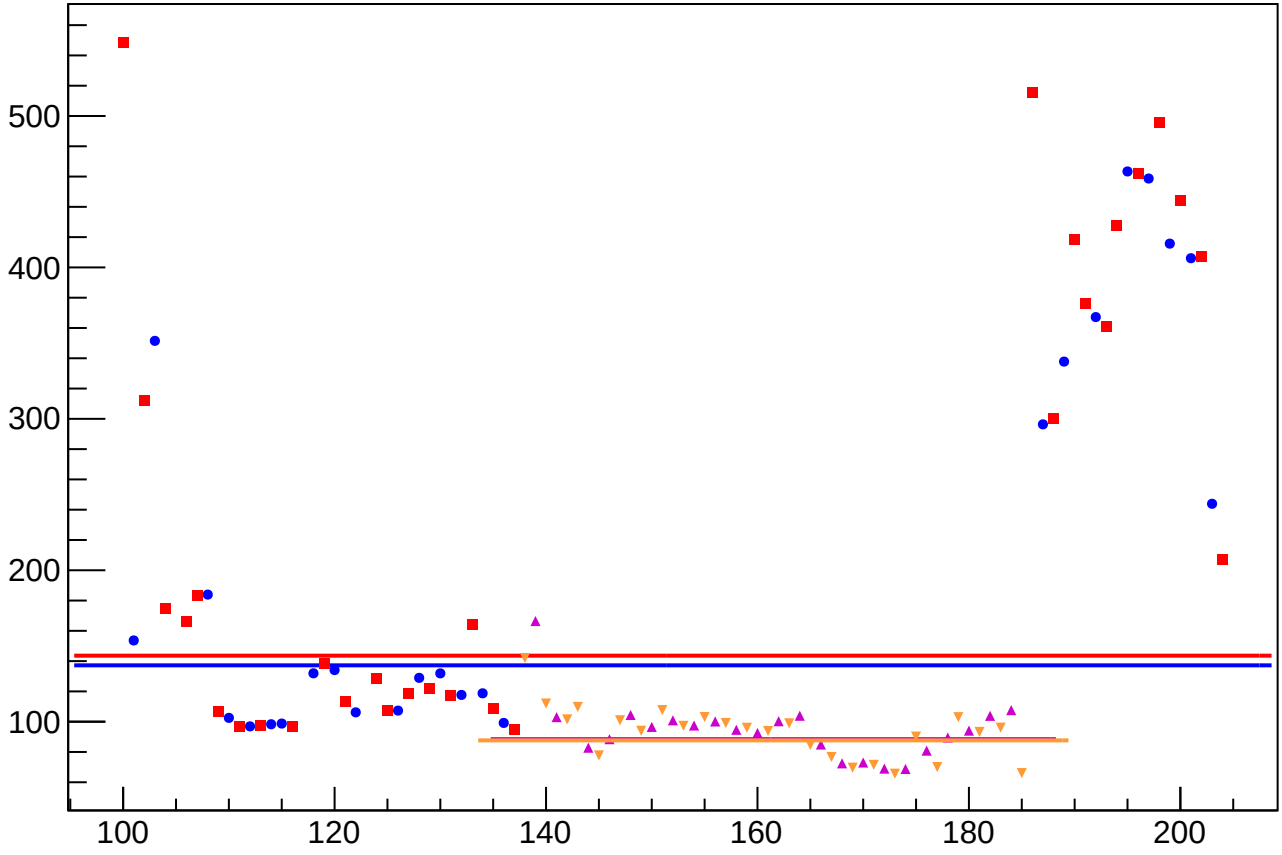
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 41.462+/-18.501 χ^2/NDF: 72.1/48

All: -8.964+/-13.251 χ^2/NDF: 164.5/101

- sign -62.088+/-18.989 χ^2/NDF: 77.1/52

reg_asym_sam3_rms vs Slug



Right In: 137.212+/-0.031 χ^2/NDF: 5943513.6/23

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 143.594+/-0.030 χ^2/NDF: 7664386.4/29

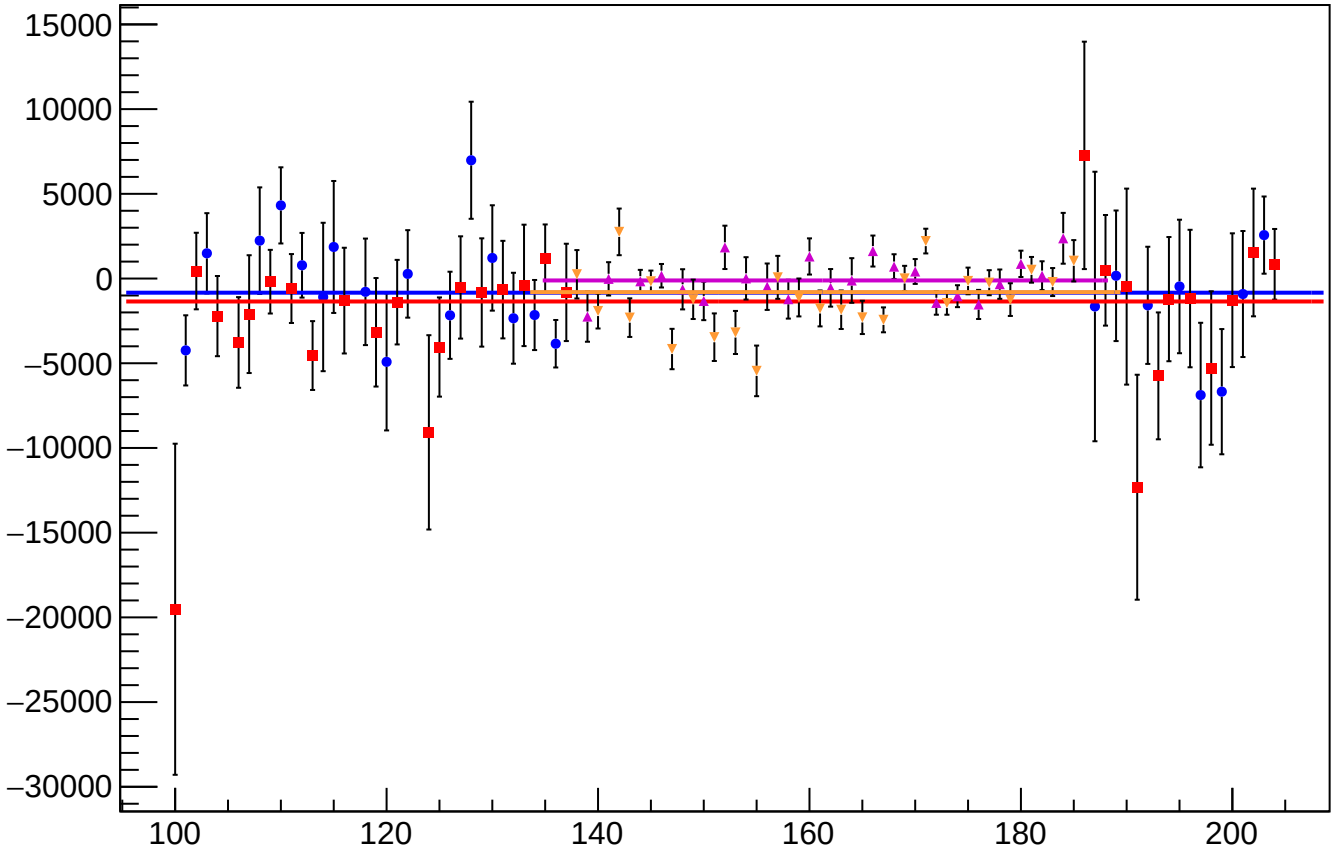
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 96.546+/-0.013 χ^2/NDF: 9269296.0/48

All: 97.835+/-0.009 χ^2/NDF: 20667059.4/101

- sign 99.193+/-0.013 χ^2/NDF: 11377819.0/52

asym_sam3_reg_correction_mean vs Slug



Right In: -835.167+/-553.884 χ^2/NDF: 30.3/23

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

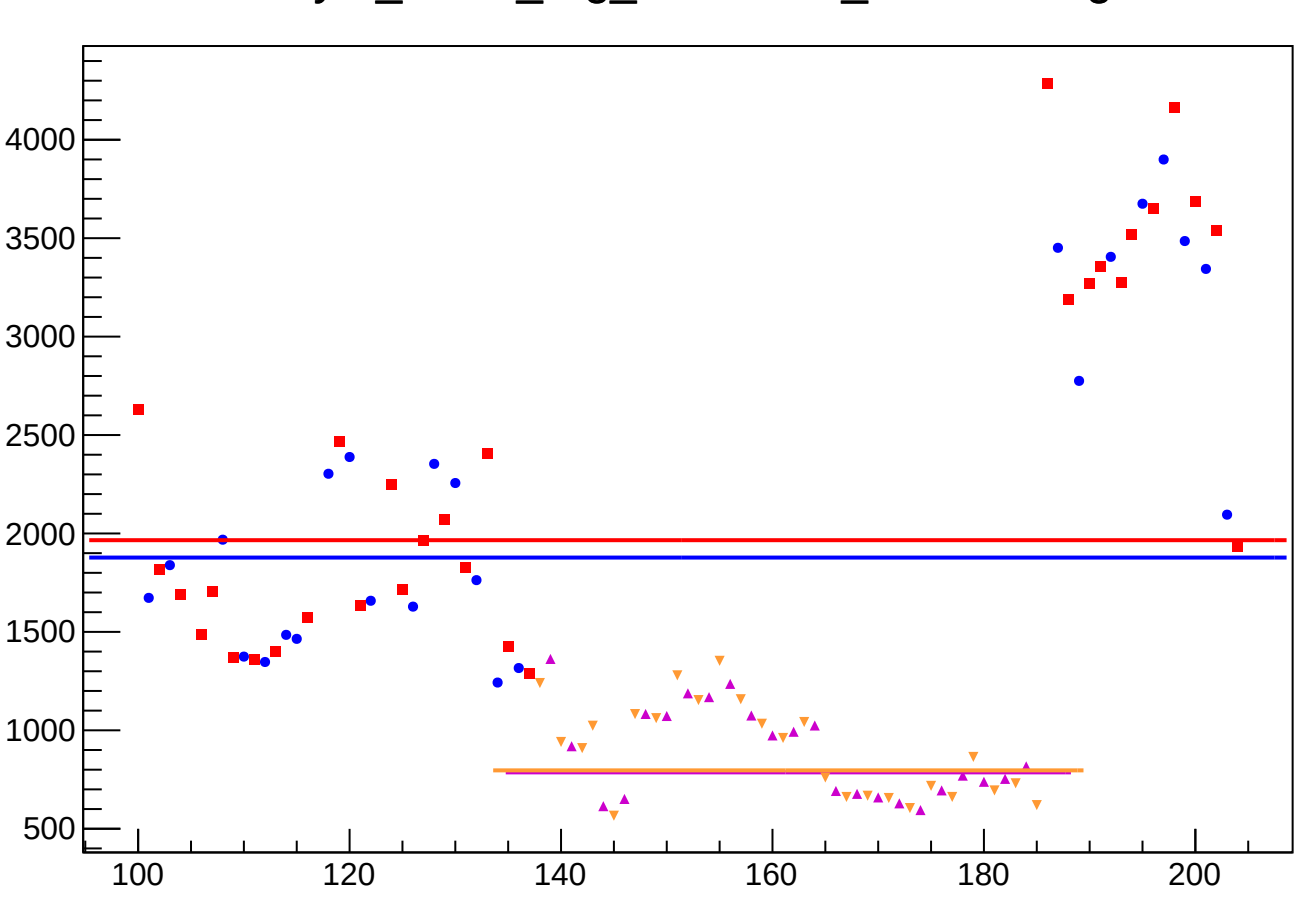
Right Out: -1354.331+/-538.483 χ^2/NDF: 21.5/29

Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -804.975+/-177.817 χ^2/NDF: 102.2/48

All: -530.106+/-126.291 χ^2/NDF: 160.3/101

- sign -250.321+/-179.400 χ^2/NDF: 53.3/52



Right In: 1877.565+/-0.392 χ^2/NDF: 3147573.4/23

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1965.844+/-0.381 χ^2/NDF: 3944841.2/29

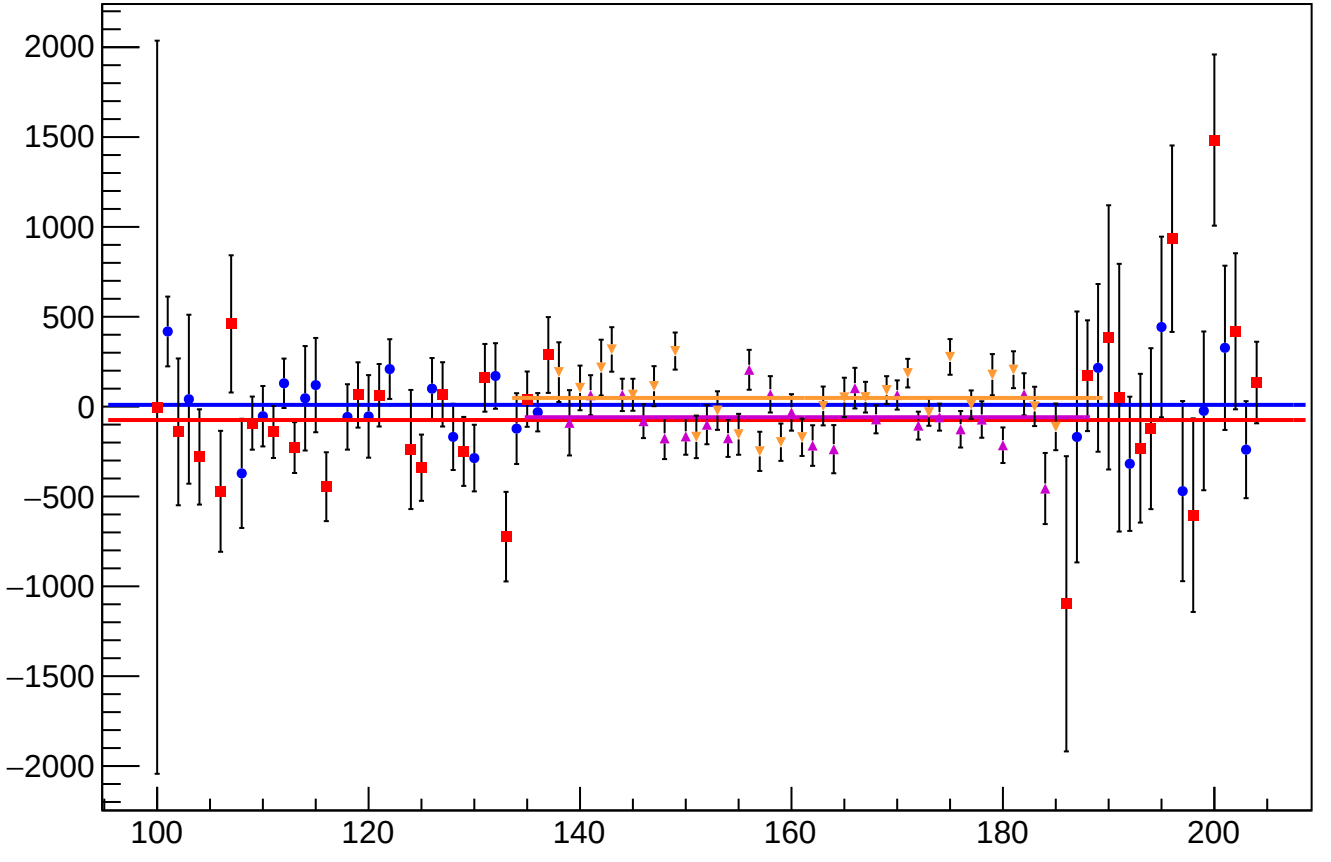
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 907.940+/-0.126 χ^2/NDF: 12398875.7/48

All: 912.556+/-0.089 χ^2/NDF: 27033897.4/10

- sign 917.254+/-0.127 χ^2/NDF: 14632302.6/52

cor_asym_sam3_mean vs Slug



Right In: 9.747+/-43.680 χ^2/NDF: 17.9/23

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -74.581+/-43.076 χ^2/NDF: 46.3/29

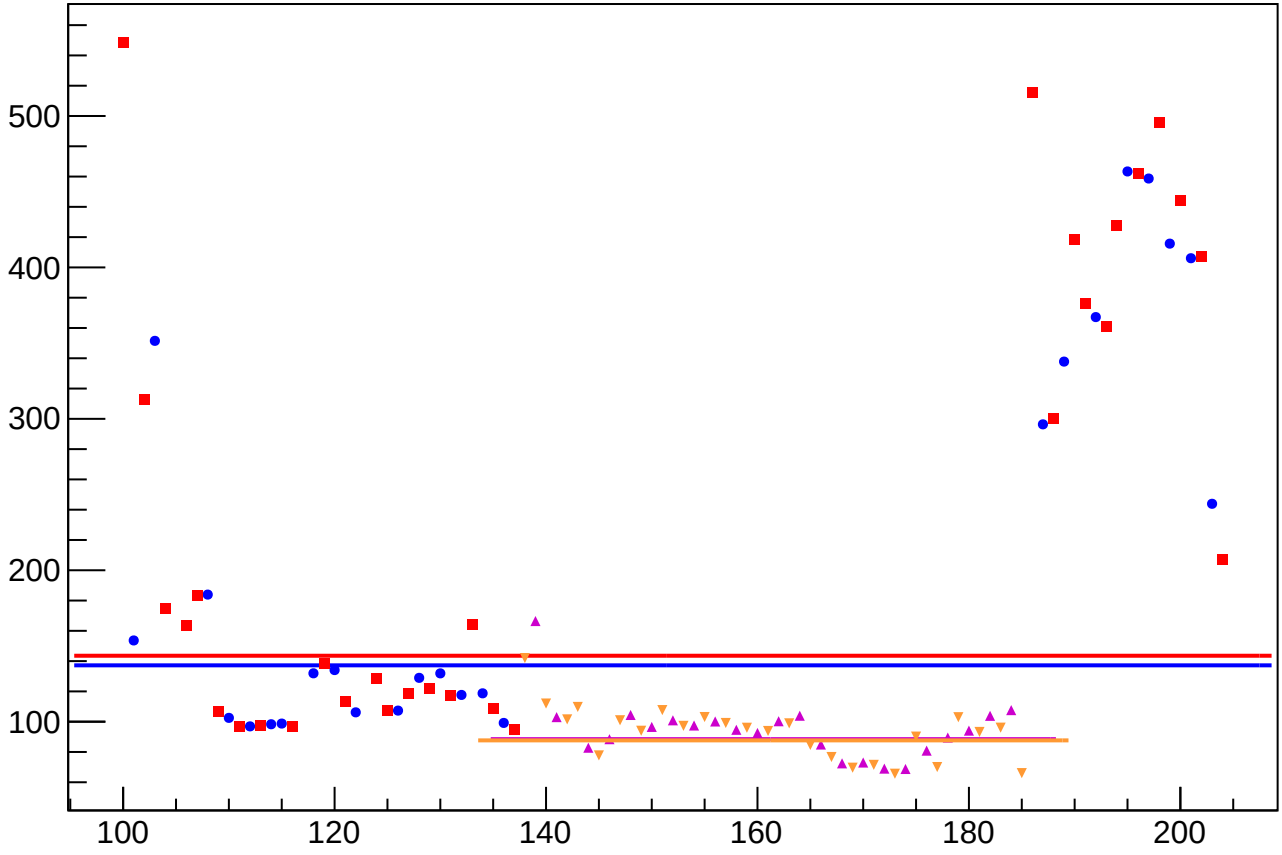
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 41.465+/-18.501 χ^2/NDF: 72.1/48

All: -8.938+/-13.251 χ^2/NDF: 164.4/101

- sign -62.041+/-18.989 χ^2/NDF: 77.0/52

cor_asym_sam3_rms vs Slug



Right In: 137.212+/-0.031 χ^2/NDF: 5943516.0/23

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 143.551+/-0.030 χ^2/NDF: 7662630.3/29

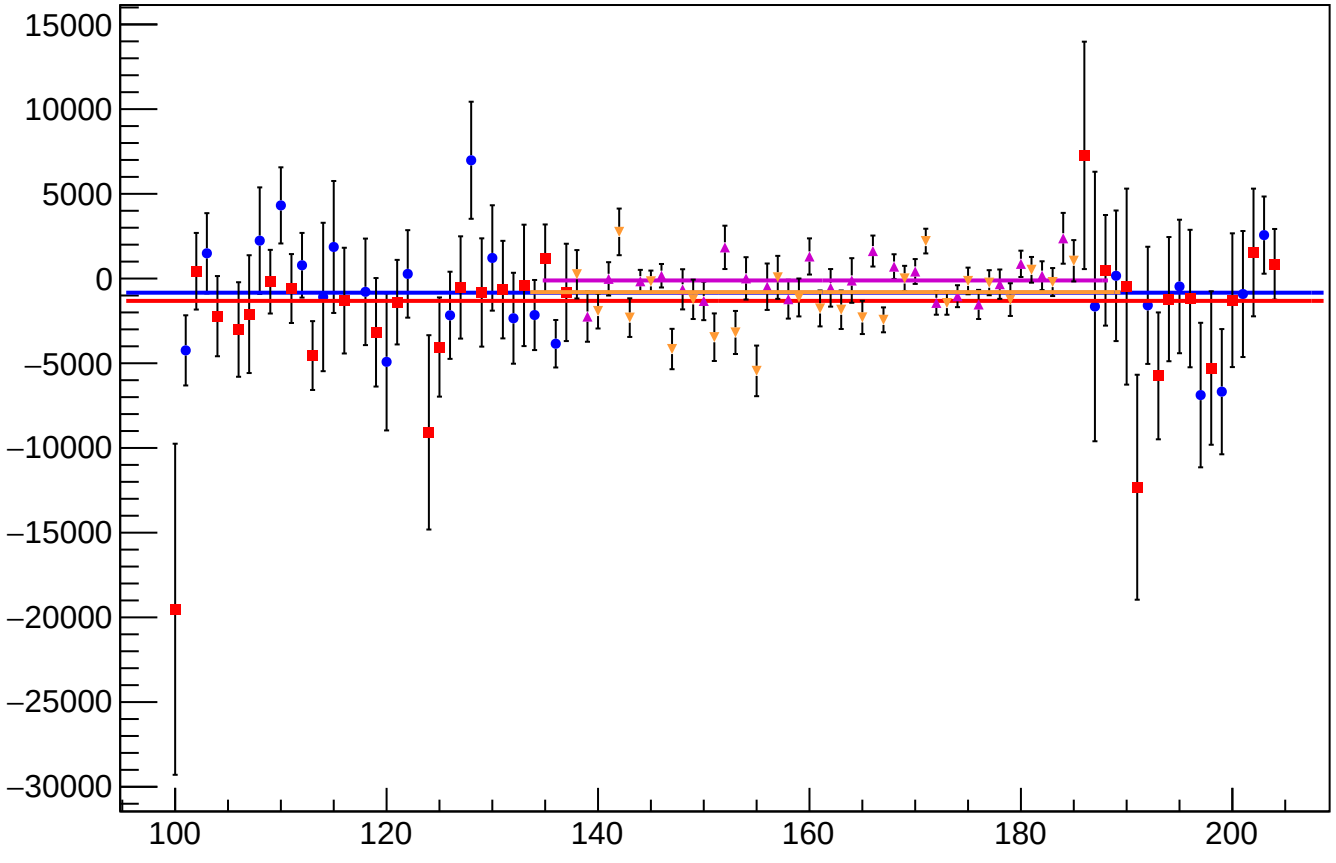
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 96.546+/-0.013 χ^2/NDF: 9269297.5/48

All: 97.831+/-0.009 χ^2/NDF: 20660823.4/101

- sign 99.184+/-0.013 χ^2/NDF: 11371721.7/52

asym_sam3_cor_correction_mean vs Slug



Right In: -835.152+/-553.887 χ^2/NDF: 30.3/23

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1318.829+/-539.394 χ^2/NDF: 21.0/29

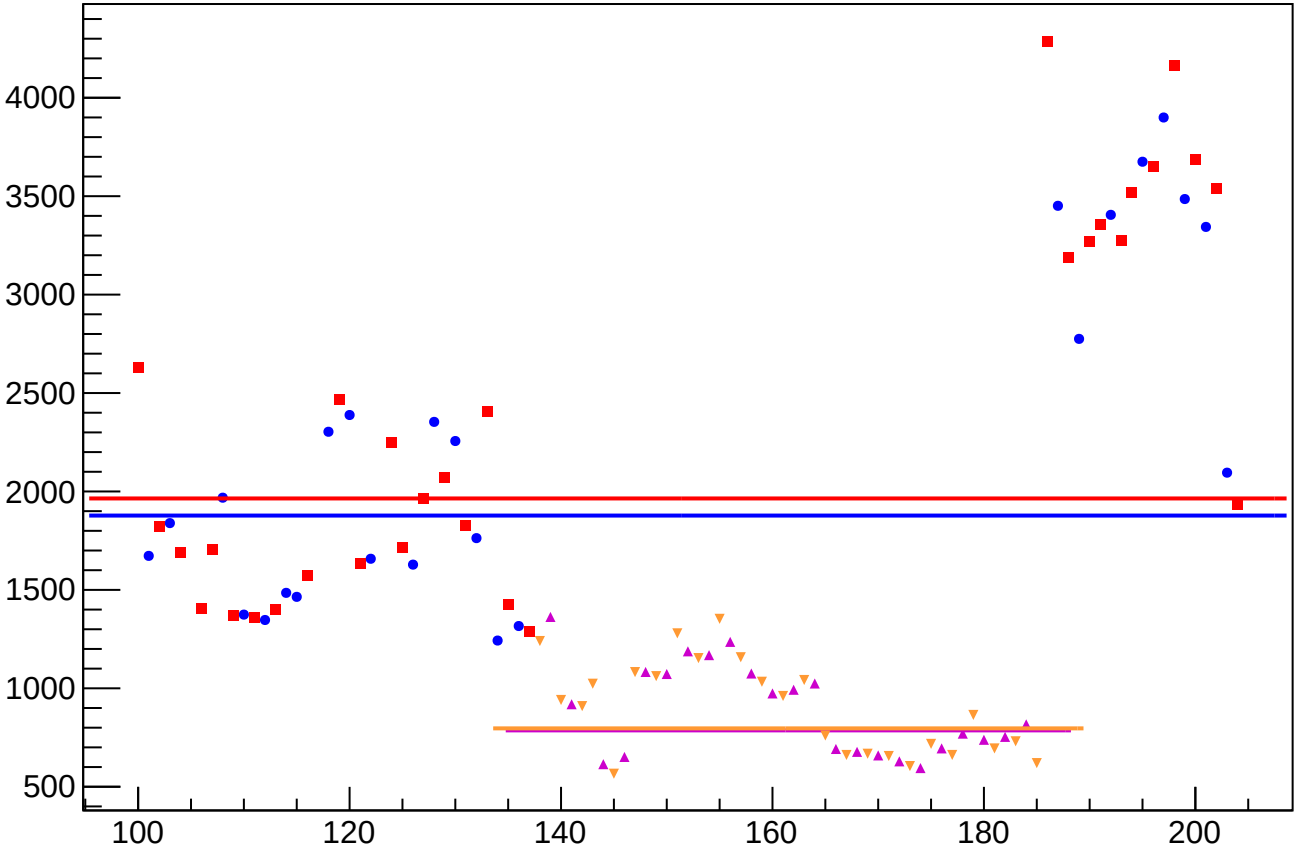
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -804.967+/-177.817 χ^2/NDF: 102.2/48

All: -528.003+/-126.303 χ^2/NDF: 159.6/101

- sign -245.980+/-179.433 χ^2/NDF: 52.5/52

asym_sam3_cor_correction_rms vs Slug



Right In: 1877.575+/-0.392 χ^2/NDF: 3147572.0/23

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

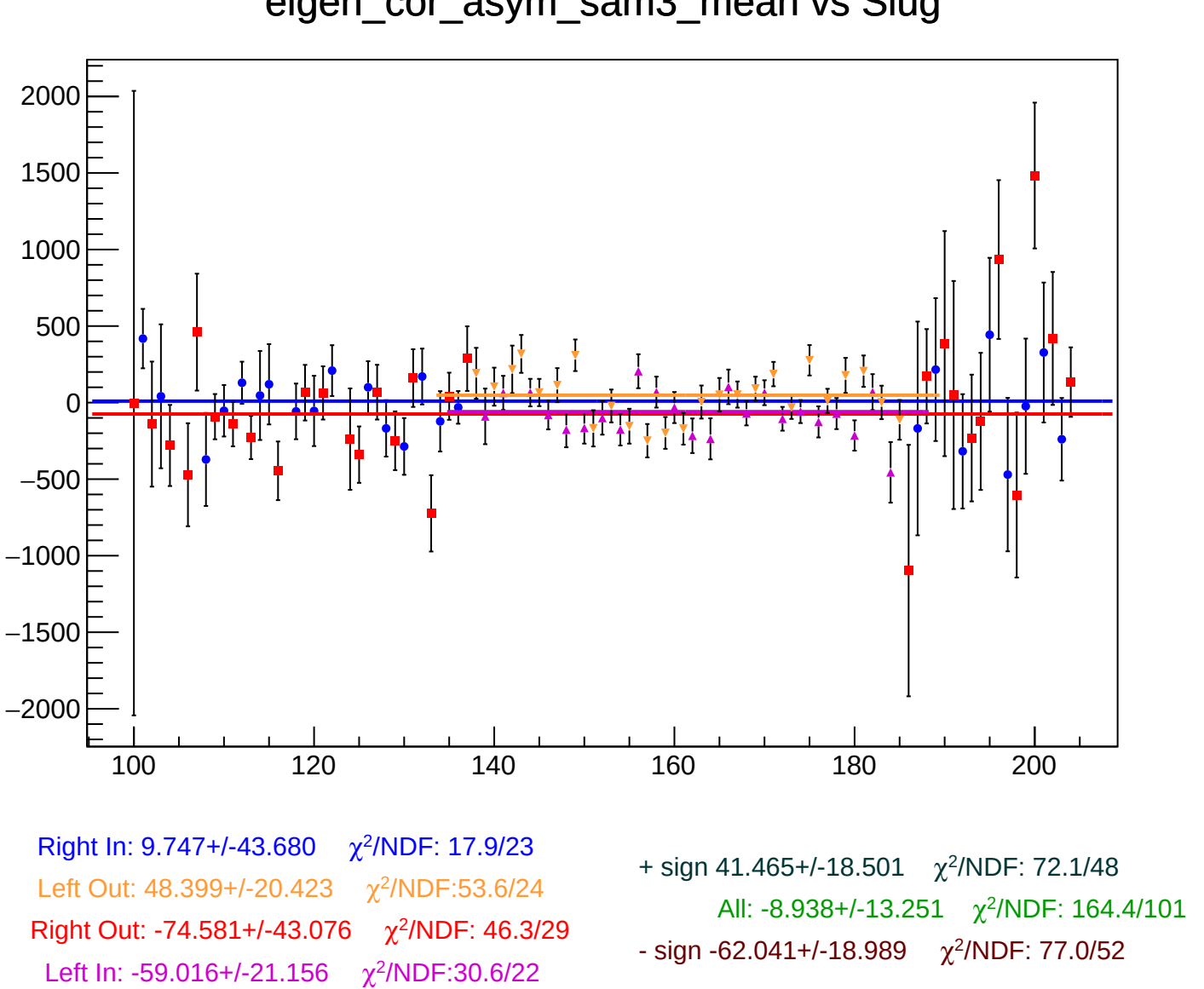
Right Out: 1964.489+/-0.381 χ^2/NDF: 3961082.0/29

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

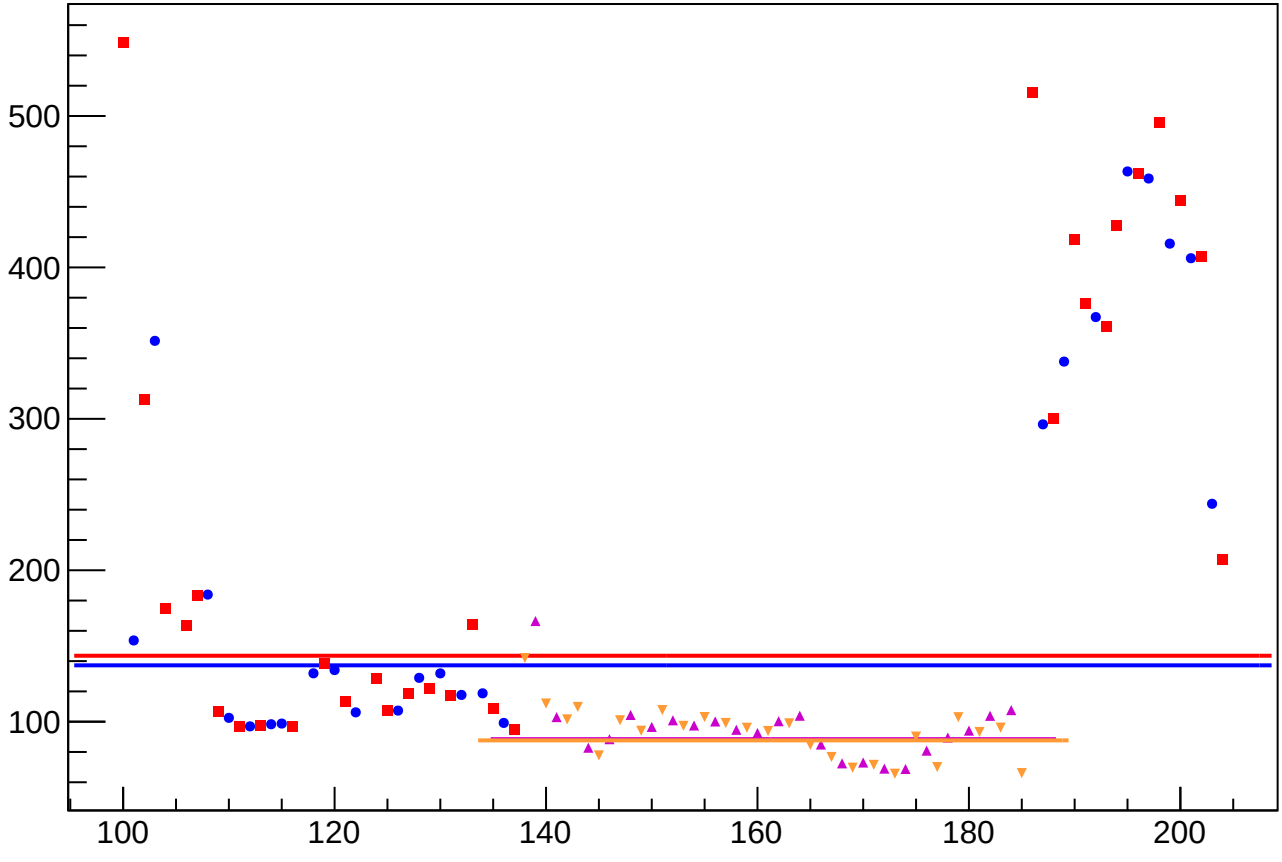
+ sign 907.940+/-0.126 χ^2/NDF: 12398935.5/48

All: 912.286+/-0.089 χ^2/NDF: 27004730.9/10

- sign 916.711+/-0.127 χ^2/NDF: 14603384.3/52


eigen_cor_asym_sam3_mean vs Slug
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
120
140
160
180
200
Right In: 9.747+/-43.680 χ²/NDF: 17.9/23
Left Out: 48.399+/-20.423 χ²/NDF:53.6/24
Right Out: -74.581+/-43.076 χ²/NDF: 46.3/29
Left In: -59.016+/-21.156 χ²/NDF:30.6/22
+ sign 41.465+/-18.501 χ²/NDF: 72.1/48
All: -8.938+/-13.251 χ²/NDF: 164.4/101
- sign -62.041+/-18.989 χ²/NDF: 77.0/52

eigen_cor_asym_sam3_rms vs Slug



Right In: 137.212+/-0.031 χ^2/NDF: 5943516.0/23

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 143.551+/-0.030 χ^2/NDF: 7662630.3/29

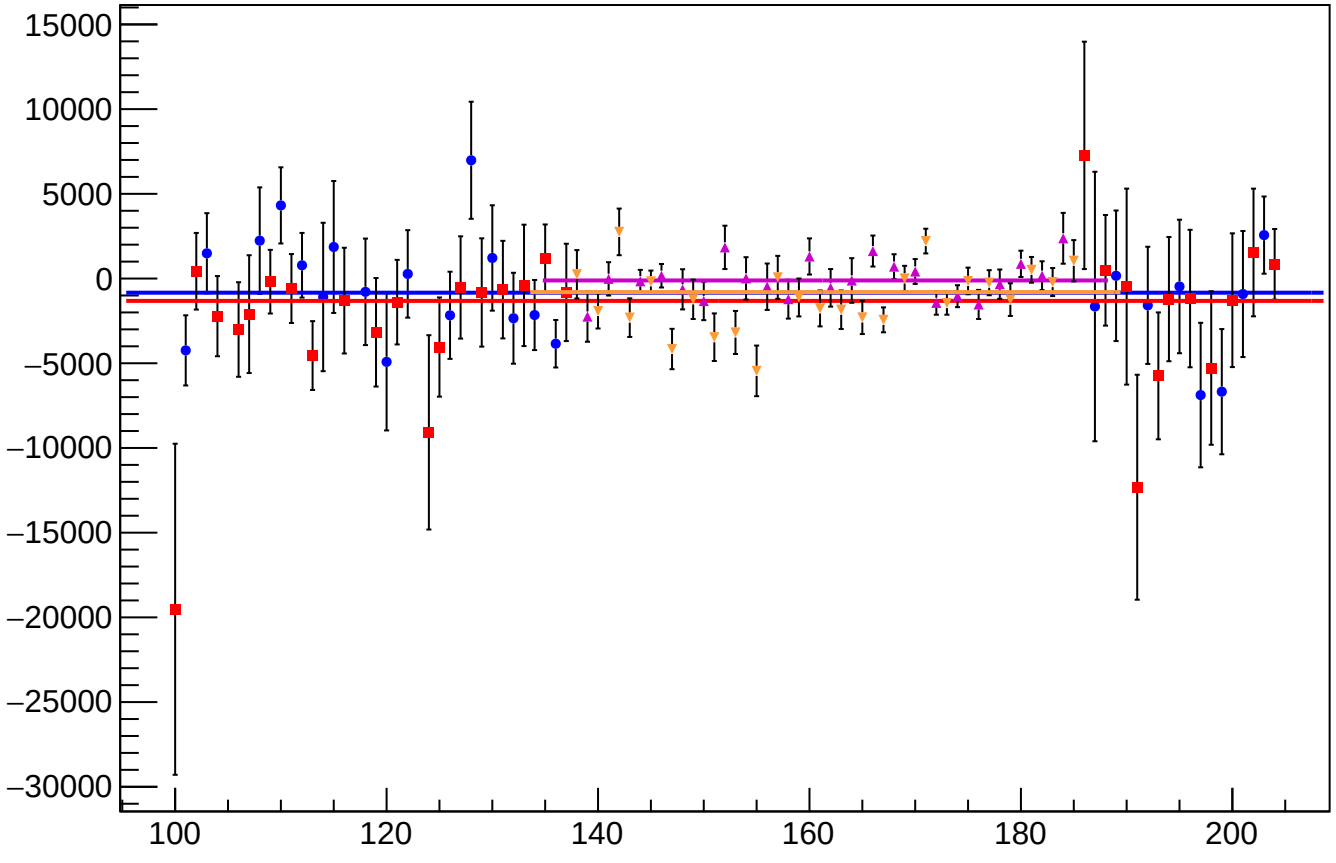
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 96.546+/-0.013 χ^2/NDF: 9269297.5/48

All: 97.831+/-0.009 χ^2/NDF: 20660823.4/101

- sign 99.184+/-0.013 χ^2/NDF: 11371721.7/52

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -835.152+/-553.887 χ^2/NDF: 30.3/23

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1318.829+/-539.394 χ^2/NDF: 21.0/29

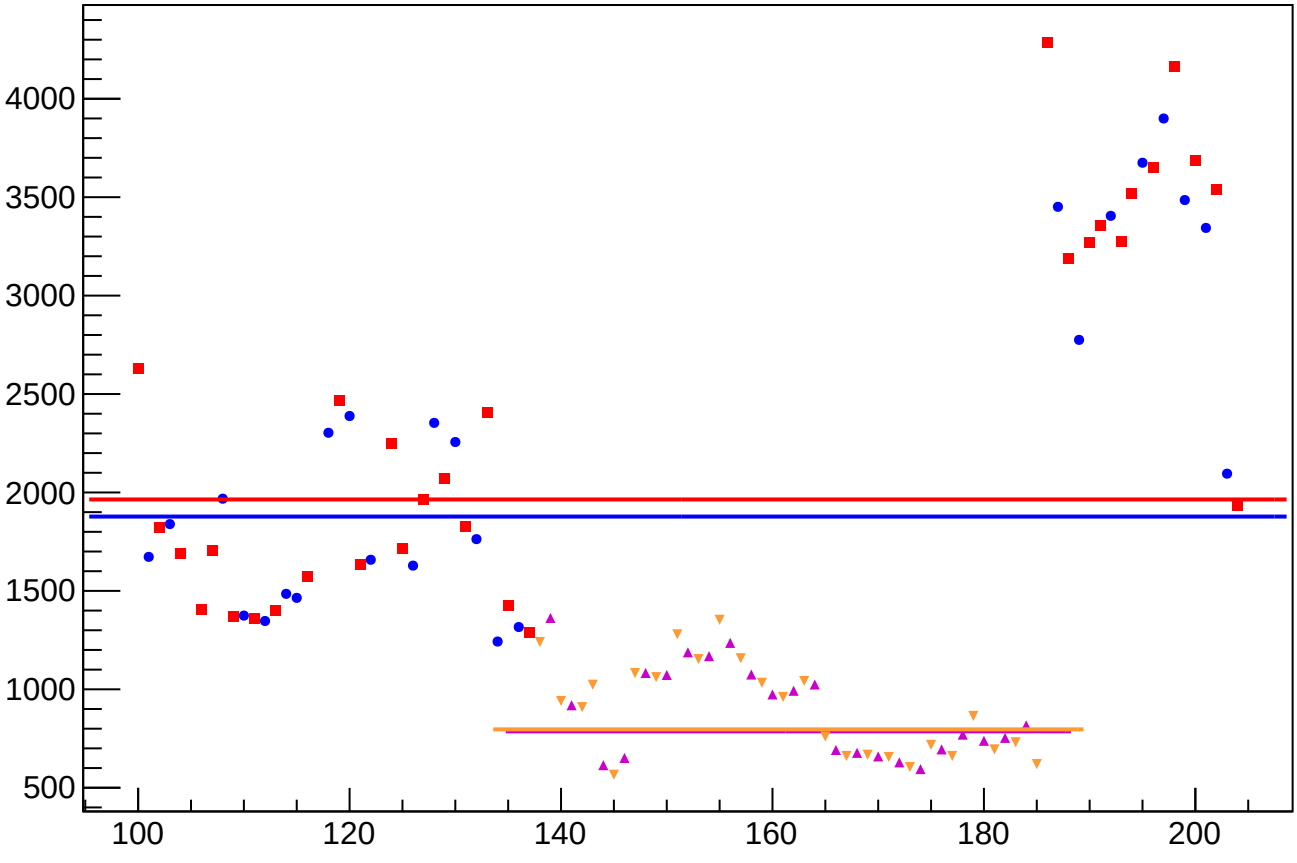
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -804.967+/-177.817 χ^2/NDF: 102.2/48

All: -528.003+/-126.303 χ^2/NDF: 159.6/101

- sign -245.980+/-179.433 χ^2/NDF: 52.5/52

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1877.575+/-0.392 χ^2/NDF: 3147572.0/23

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1964.489+/-0.381 χ^2/NDF: 3961082.0/29

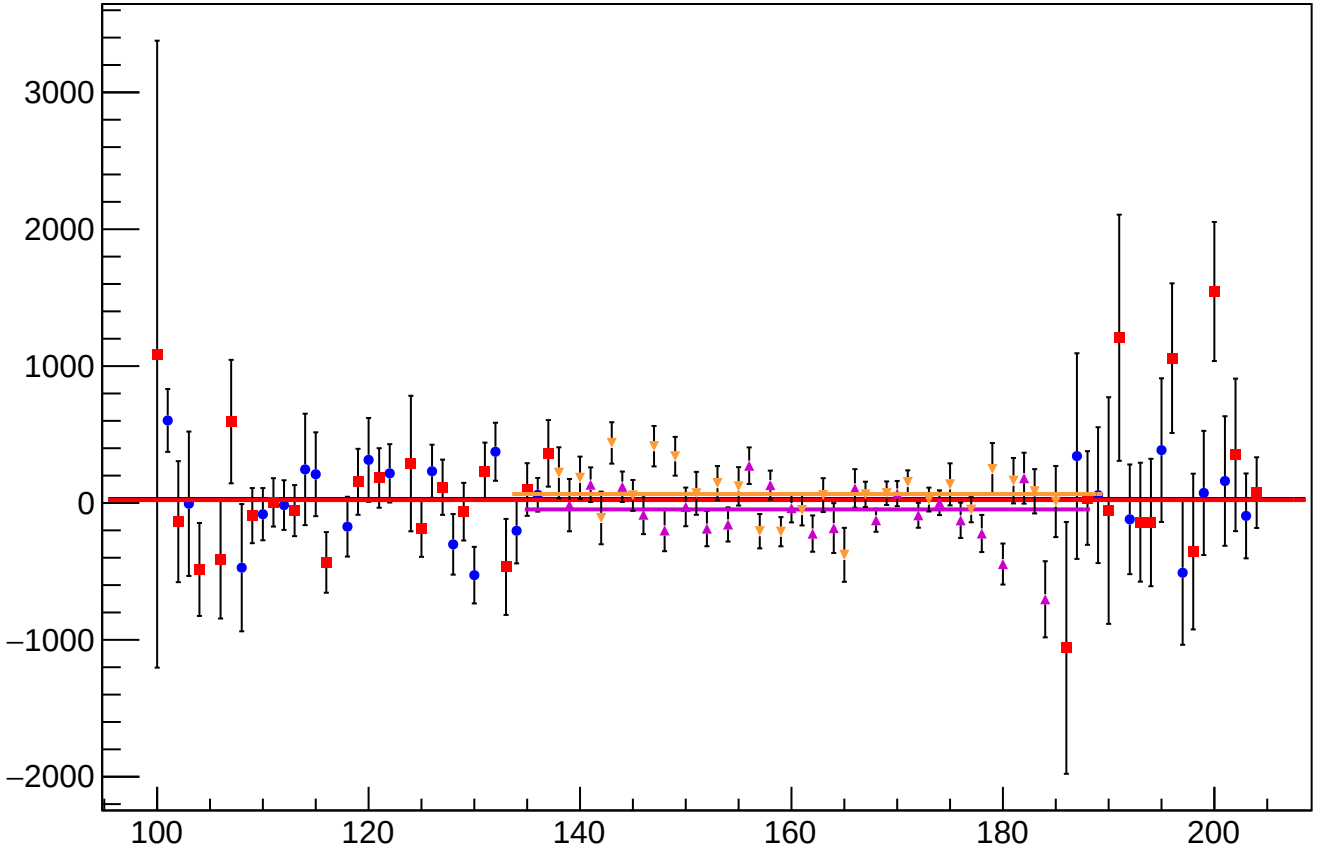
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 907.940+/-0.126 χ^2/NDF: 12398935.5/48

All: 912.286+/-0.089 χ^2/NDF: 27004730.9/10

- sign 916.711+/-0.127 χ^2/NDF: 14603384.3/52

dit_asym_sam3_mean vs Slug



Right In: 29.268+/-51.937 χ^2/NDF: 27.3/23

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 21.216+/-52.079 χ^2/NDF: 34.4/29

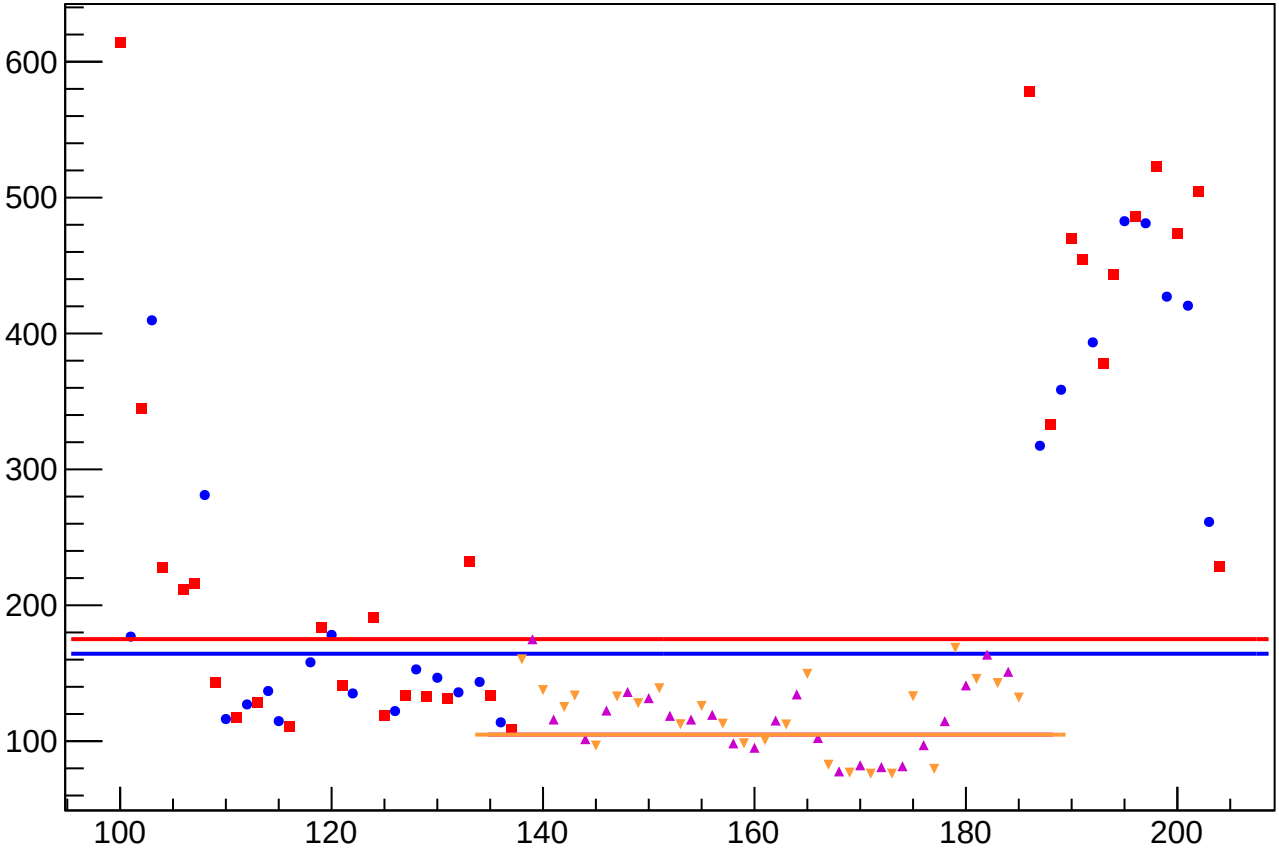
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 58.822+/-22.570 χ^2/NDF: 67.7/48

All: 13.535+/-16.124 χ^2/NDF: 150.3/101

- sign -33.675+/-23.044 χ^2/NDF: 74.4/52

dit_asym_sam3_rms vs Slug



Right In: 164.336+/-0.037 χ^2/NDF: 5340343.7/23

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 175.087+/-0.037 χ^2/NDF: 6979827.3/29

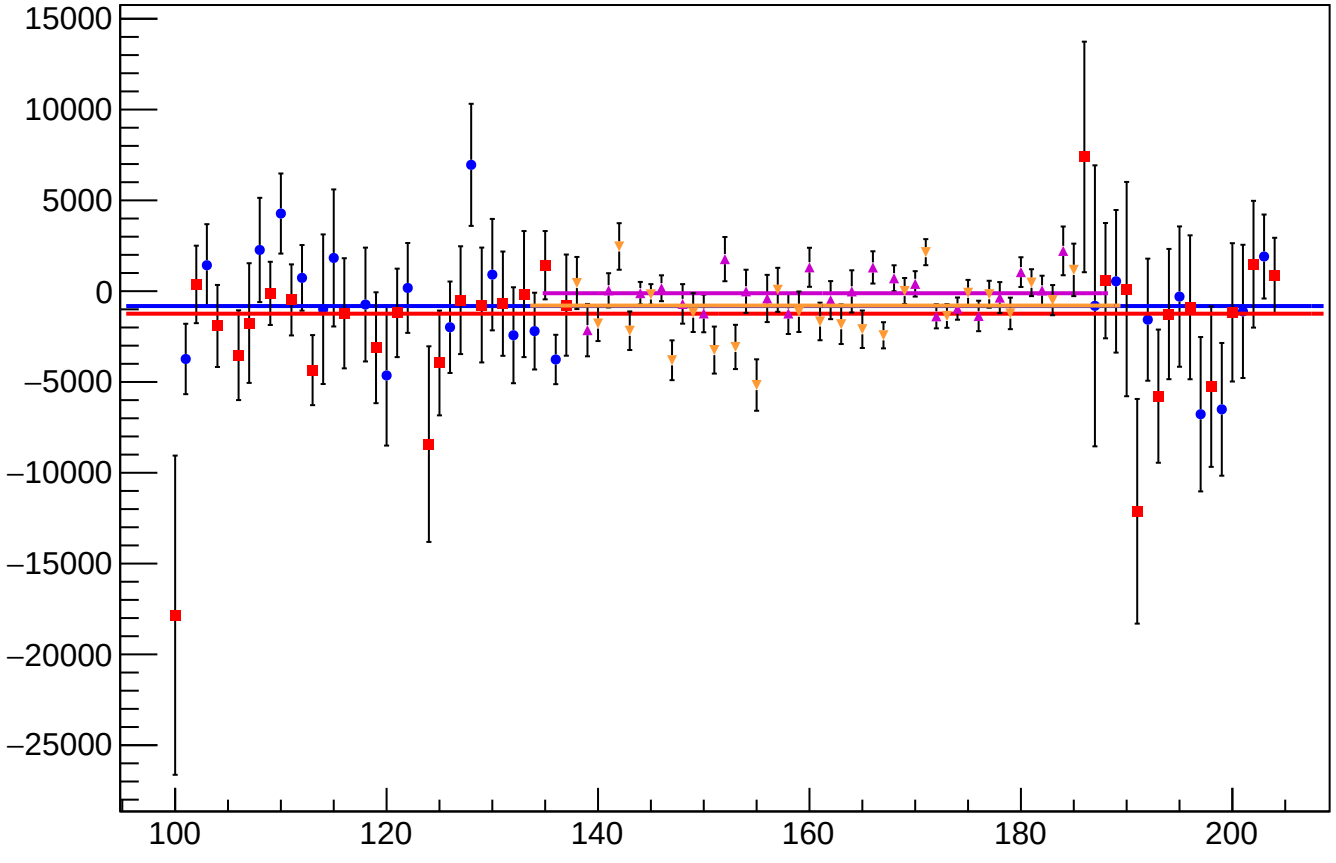
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 116.051+/-0.016 χ^2/NDF: 9714179.2/48

All: 117.294+/-0.011 χ^2/NDF: 21247766.4/10

- sign 118.589+/-0.016 χ^2/NDF: 11521199.1/52

asym_sam3_dit_correction_mean vs Slug



Right In: -819.223+/-538.713 χ^2/NDF: 29.5/23

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1240.177+/-516.898 χ^2/NDF: 22.9/29

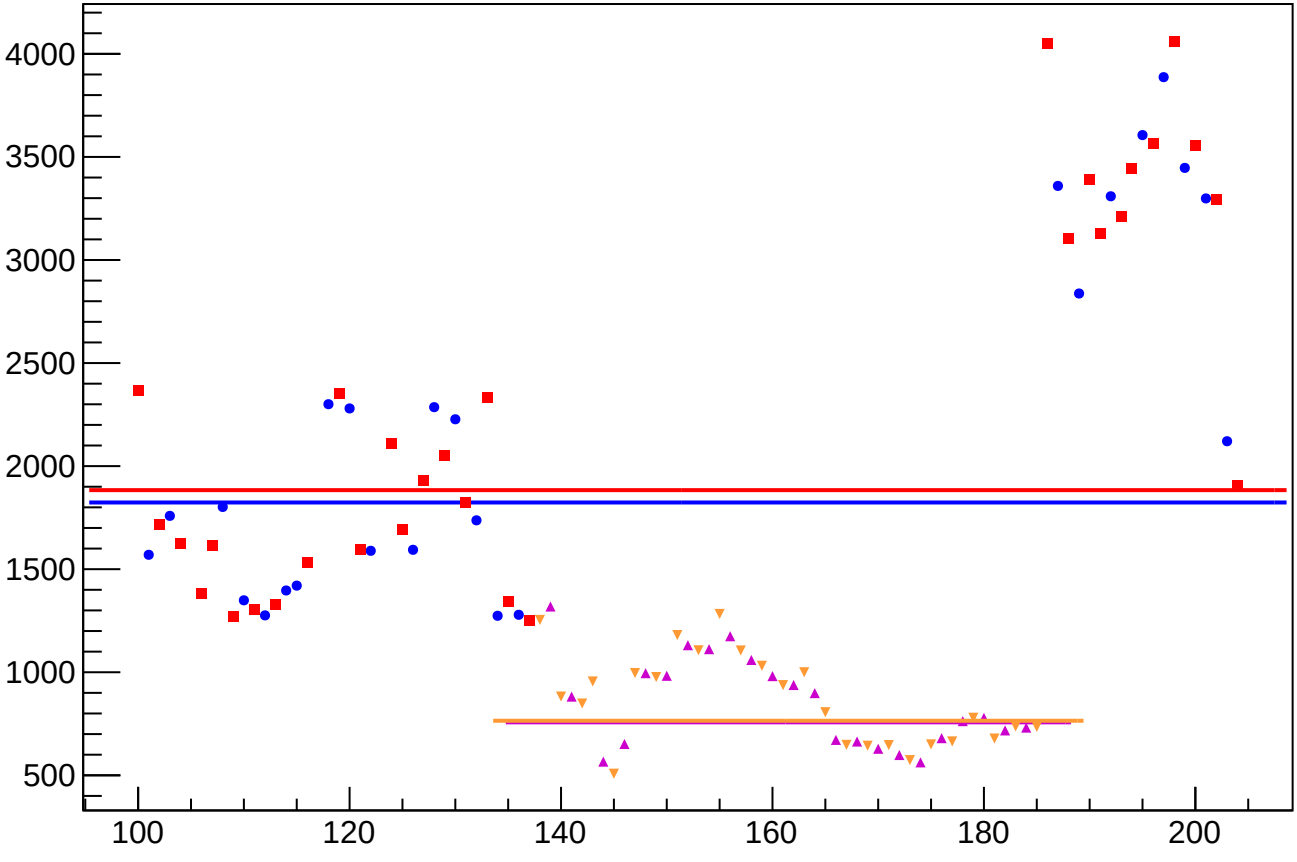
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -795.694+/-170.634 χ^2/NDF: 99.5/48

All: -520.707+/-121.350 χ^2/NDF: 158.2/101

- sign -239.303+/-172.613 χ^2/NDF: 53.4/52

asym_sam3_dit_correction_rms vs Slug



Right In: 1823.603+/-0.381 χ^2/NDF: 3247341.1/23

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1883.493+/-0.366 χ^2/NDF: 4090552.9/29

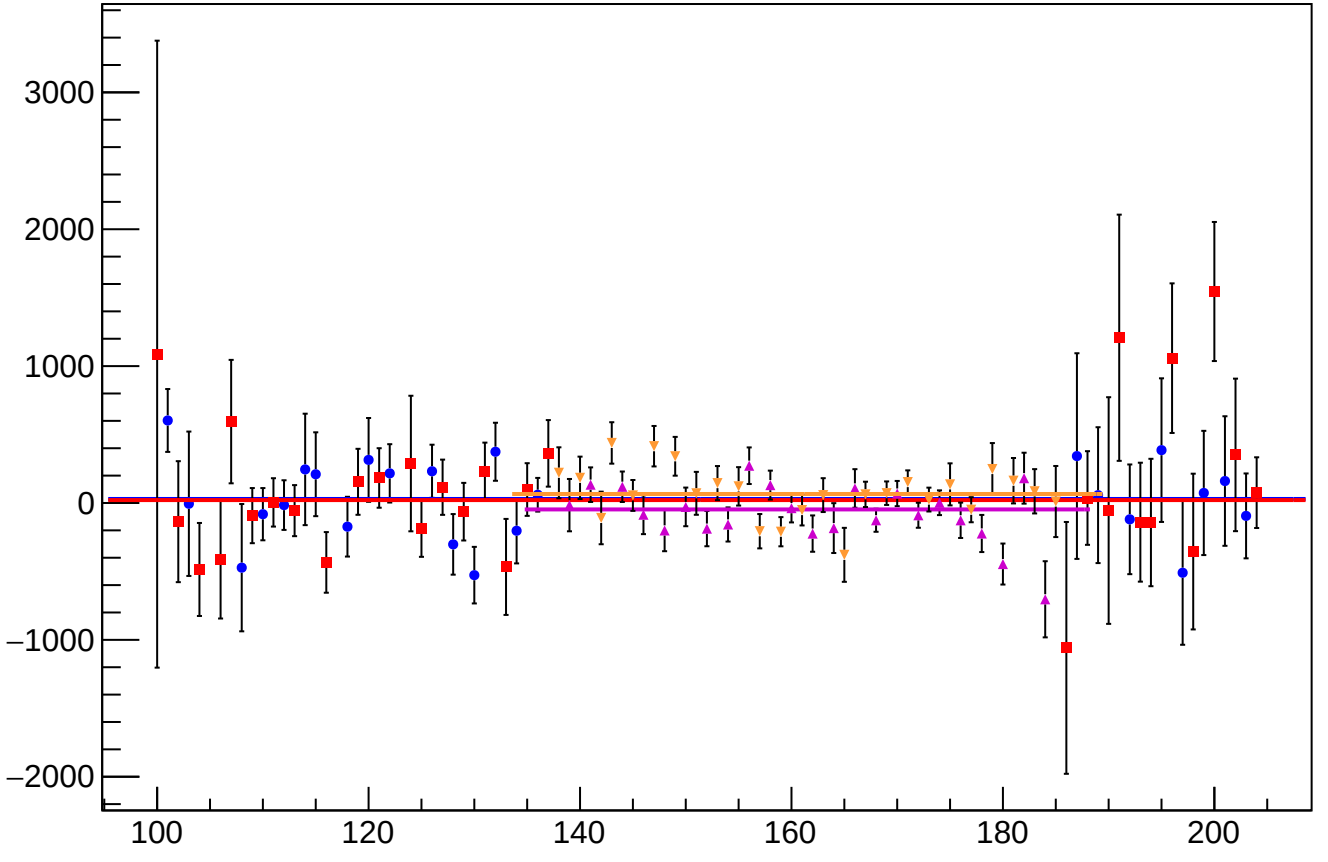
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 870.967+/-0.121 χ^2/NDF: 12624503.0/48

All: 876.695+/-0.086 χ^2/NDF: 27275683.8/10

- sign 882.557+/-0.122 χ^2/NDF: 14646620.5/52

eigen_dit_asym_sam3_mean vs Slug



Right In: 29.267+/-51.937 χ^2/NDF: 27.3/23

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 21.219+/-52.079 χ^2/NDF: 34.4/29

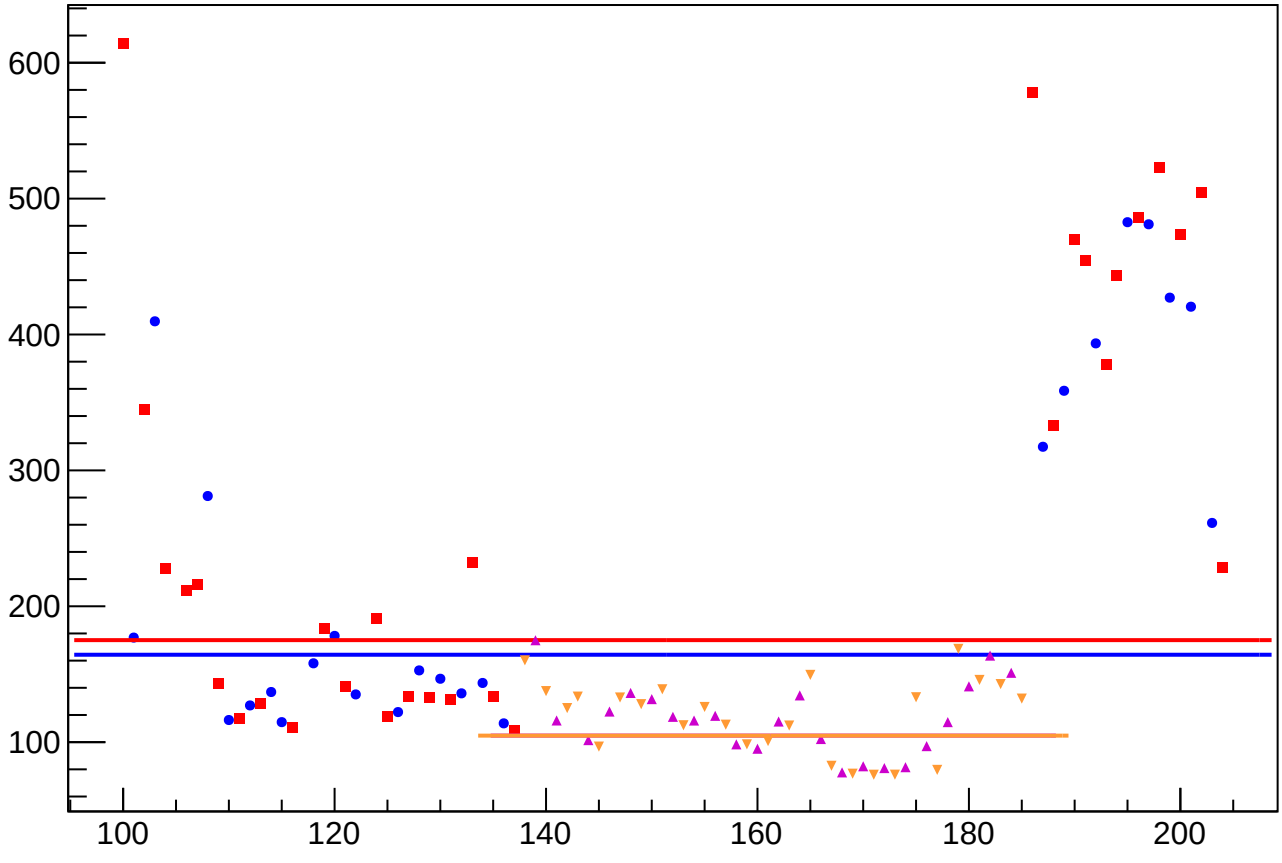
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 58.822+/-22.570 χ^2/NDF: 67.7/48

All: 13.536+/-16.124 χ^2/NDF: 150.3/101

- sign -33.674+/-23.044 χ^2/NDF: 74.4/52

eigen_dit_asym_sam3_rms vs Slug



Right In: 164.336+/-0.037 χ^2/NDF: 5340338.8/23

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

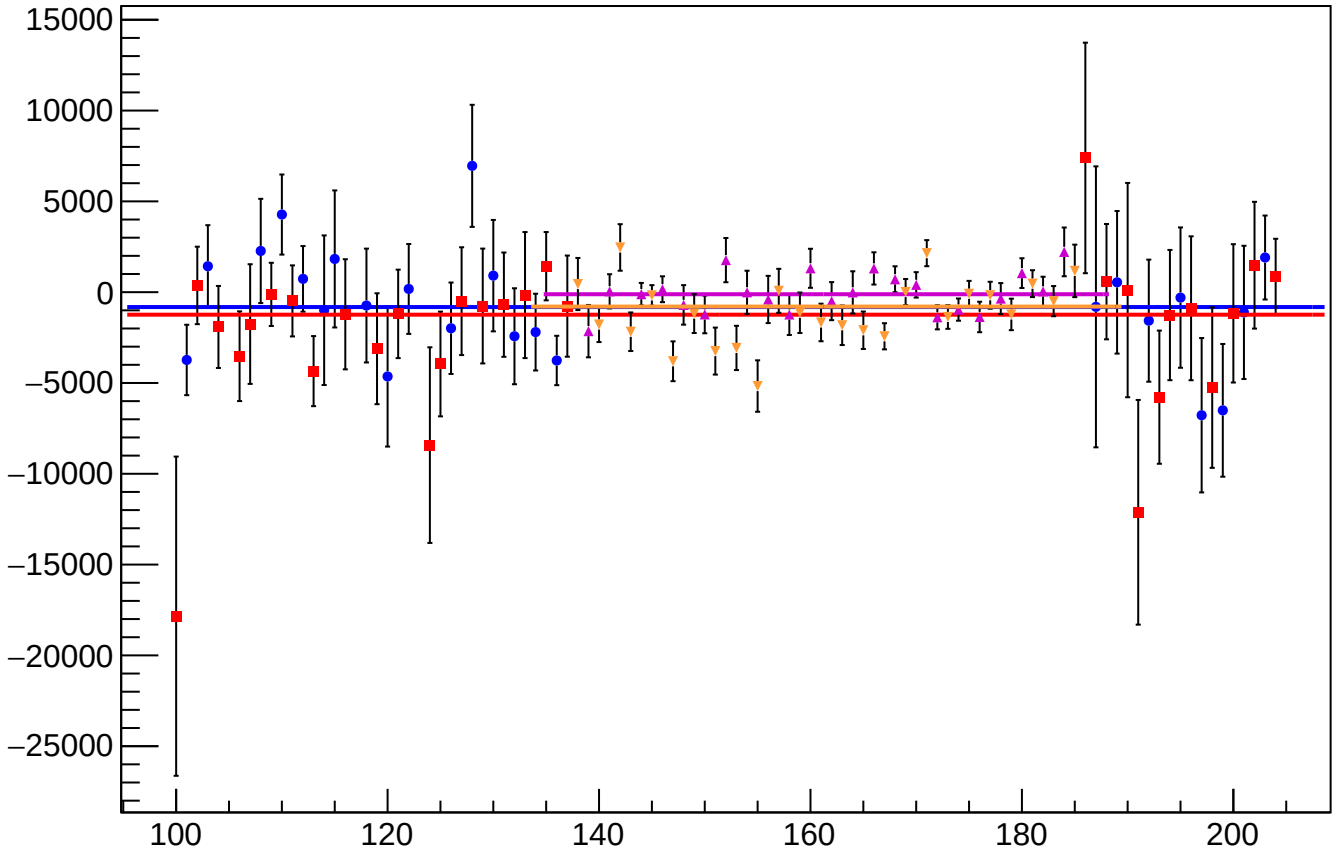
Right Out: 175.088+/-0.037 χ^2/NDF: 6979815.6/29

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 116.051+/-0.016 χ^2/NDF: 9714185.8/48

All: 117.294+/-0.011 χ^2/NDF: 21247775.6/10

- sign 118.590+/-0.016 χ^2/NDF: 11521201.8/52



Right In: -819.221+/-538.712 χ^2/NDF: 29.5/23

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1240.176+/-516.898 χ^2/NDF: 22.9/29

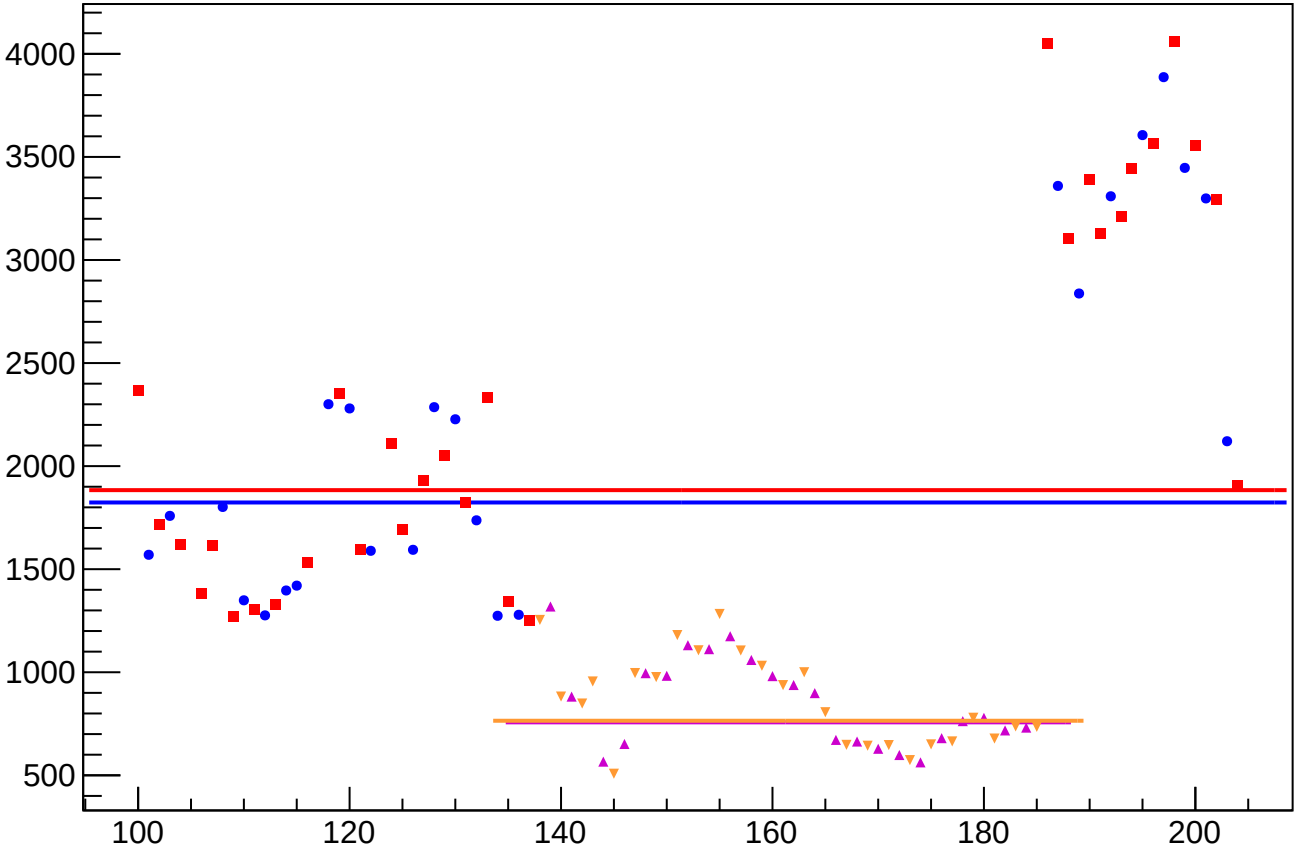
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -795.695+/-170.634 χ^2/NDF: 99.5/48

All: -520.707+/-121.350 χ^2/NDF: 158.2/101

- sign -239.302+/-172.613 χ^2/NDF: 53.4/52

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1823.601+/-0.381 χ^2/NDF: 3247340.1/23

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1883.491+/-0.366 χ^2/NDF: 4090553.7/29

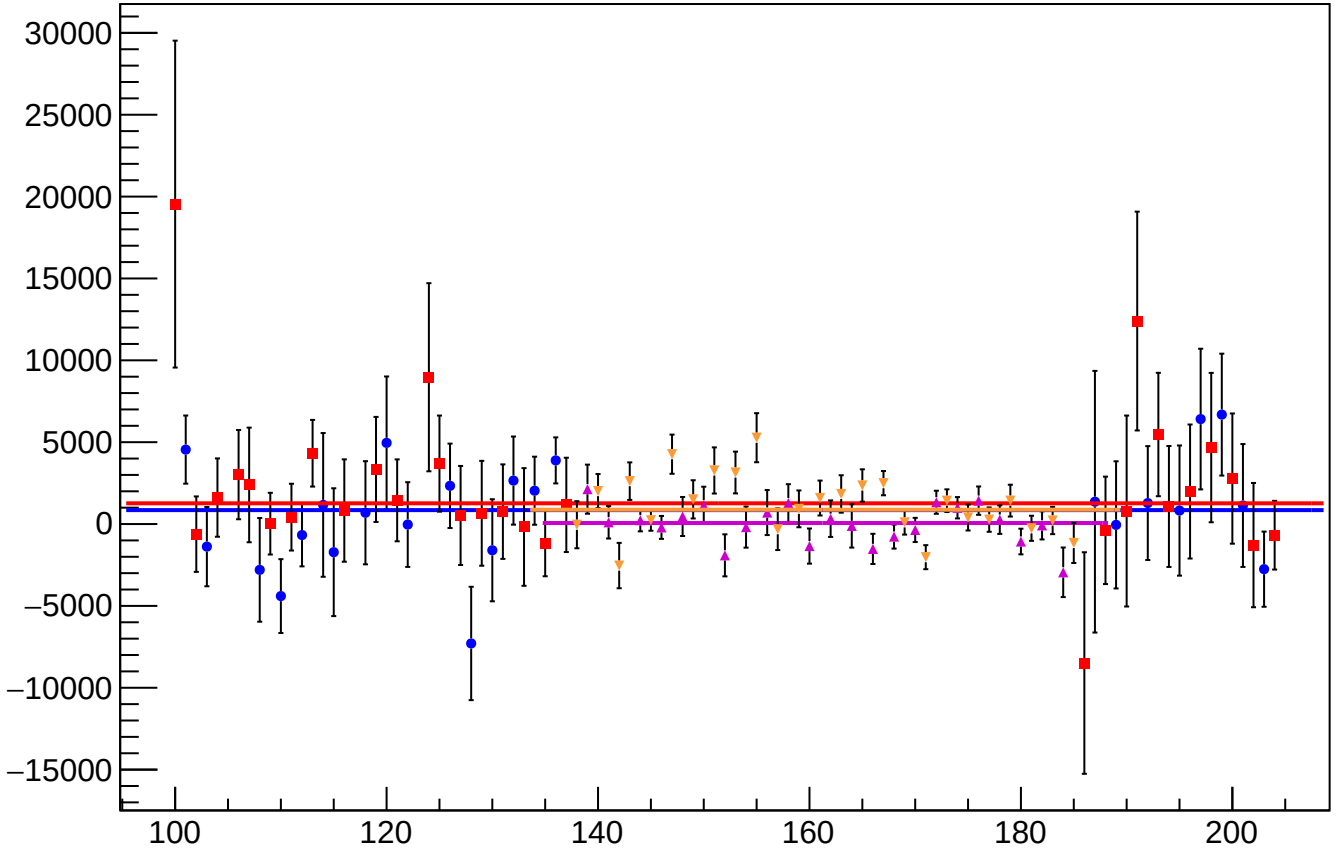
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 870.966+/-0.121 χ^2/NDF: 12624493.5/48

All: 876.694+/-0.086 χ^2/NDF: 27275664.5/10

- sign 882.556+/-0.122 χ^2/NDF: 14646610.7/52

asym_sam3_mean vs Slug



Right In: 850.722+/-556.695 χ^2/NDF: 31.6/23

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1266.143+/-541.580 χ^2/NDF: 20.5/29

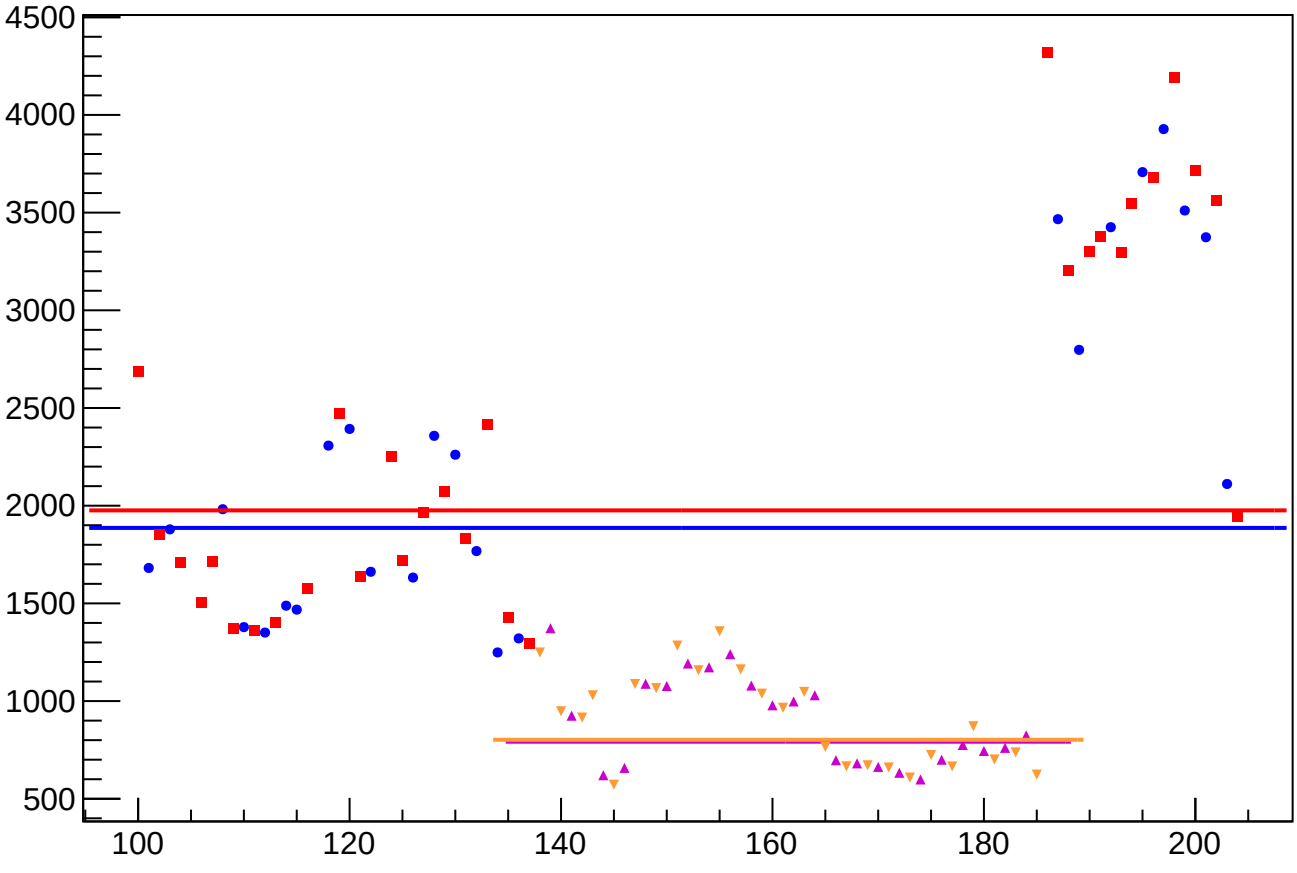
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 873.820+/-178.966 χ^2/NDF: 98.8/48

All: 538.343+/-127.131 χ^2/NDF: 158.0/101

- sign 196.612+/-180.626 χ^2/NDF: 52.0/52

asym_sam3_rms vs Slug



Right In: 1886.269+/-0.394 χ^2/NDF: 3167067.7/23

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

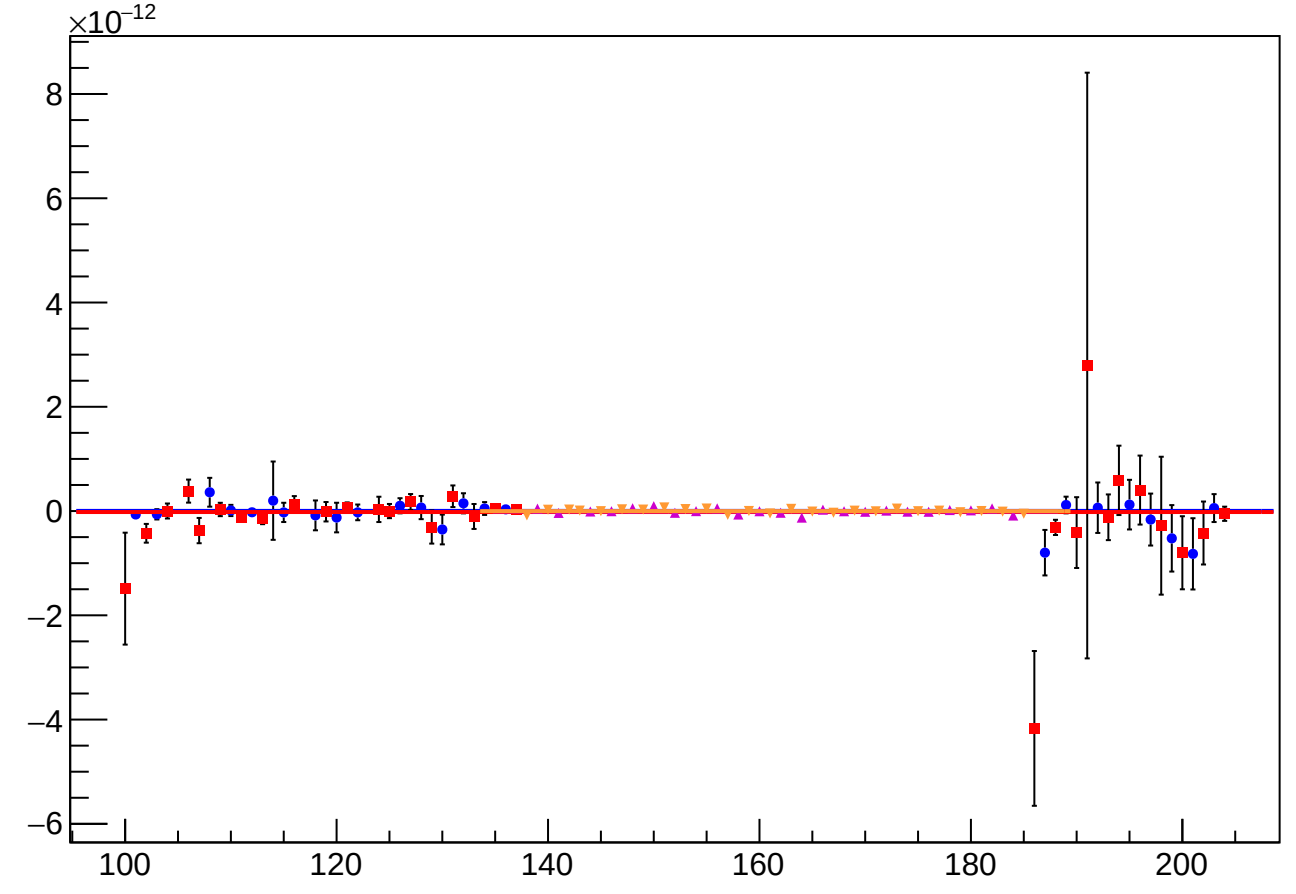
Right Out: 1976.000+/-0.383 χ^2/NDF: 3963577.6/29

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 914.071+/-0.127 χ^2/NDF: 12365798.1/48

All: 918.868+/-0.090 χ^2/NDF: 26962637.3/10

- sign 923.755+/-0.128 χ^2/NDF: 14593938.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 13.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

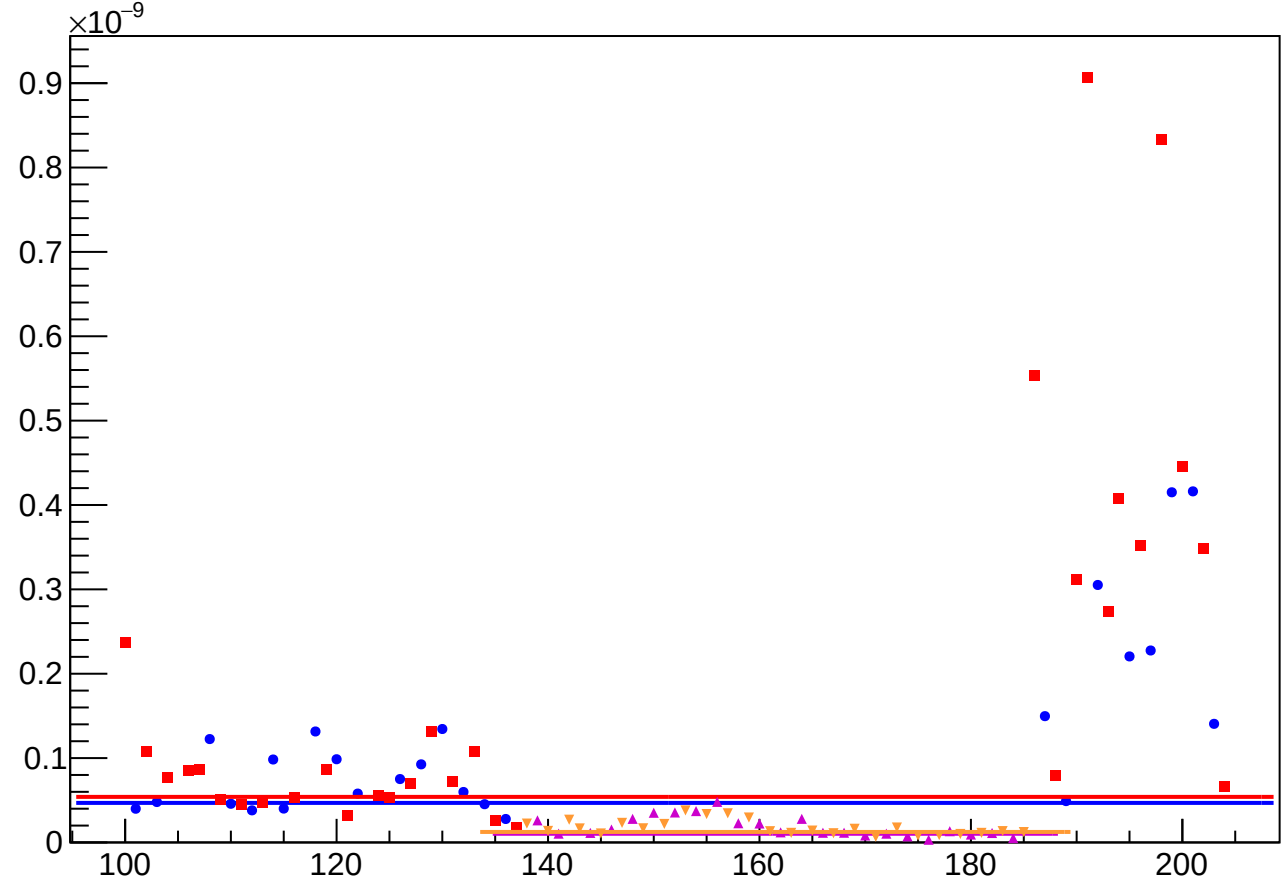
Right Out: -0.000+/-0.000 χ^2/NDF: 39.3/29

Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.1/48

All: -0.000+/-0.000 χ^2/NDF: 108.7/101

- sign -0.000+/-0.000 χ^2/NDF: 71.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 3912146.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5422036.8/29

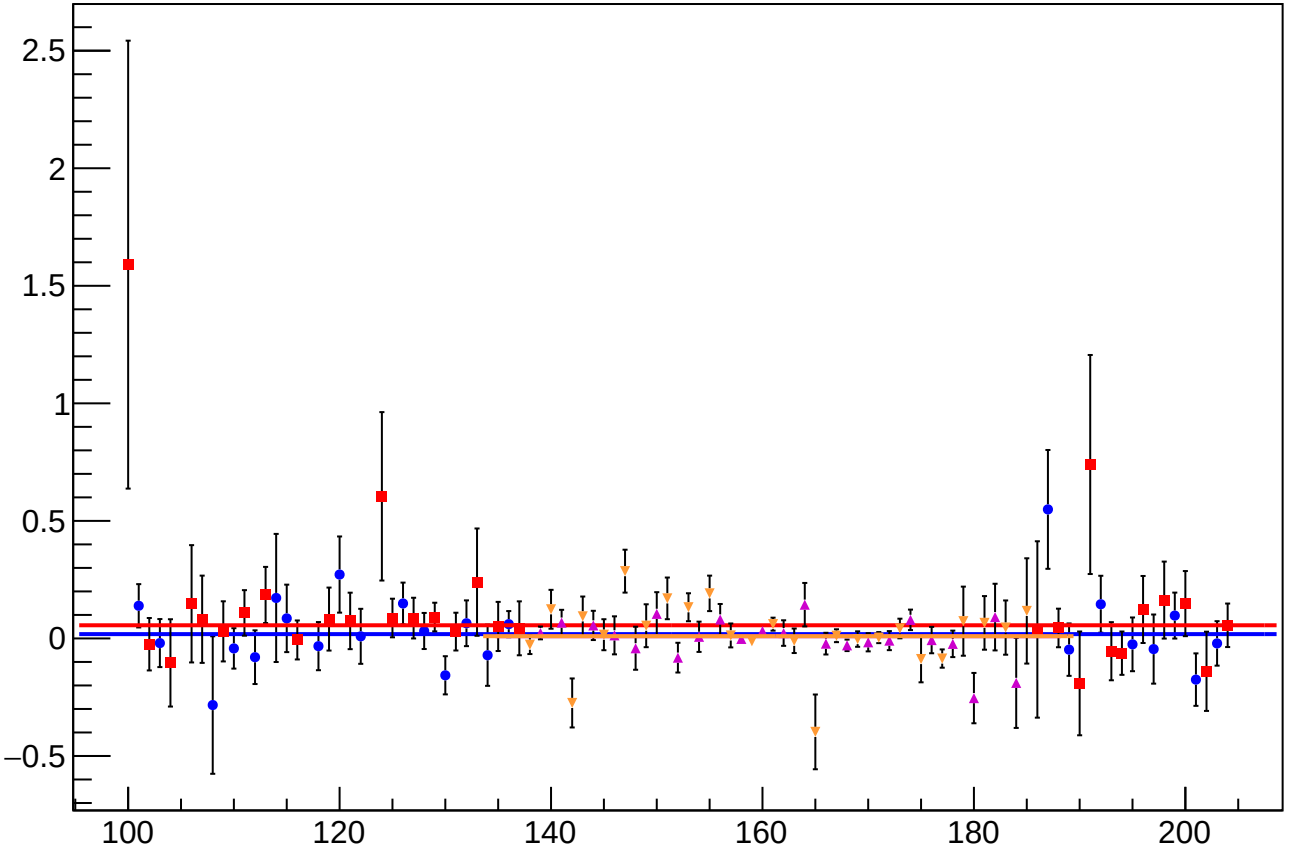
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9357498.7/48

All: 0.000+/-0.000 χ^2/NDF: 23137787.9/101

- sign 0.000+/-0.000 χ^2/NDF: 13583234.5/52

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.021 χ^2/NDF: 25.5/23

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.056+/-0.021 χ^2/NDF: 18.2/29

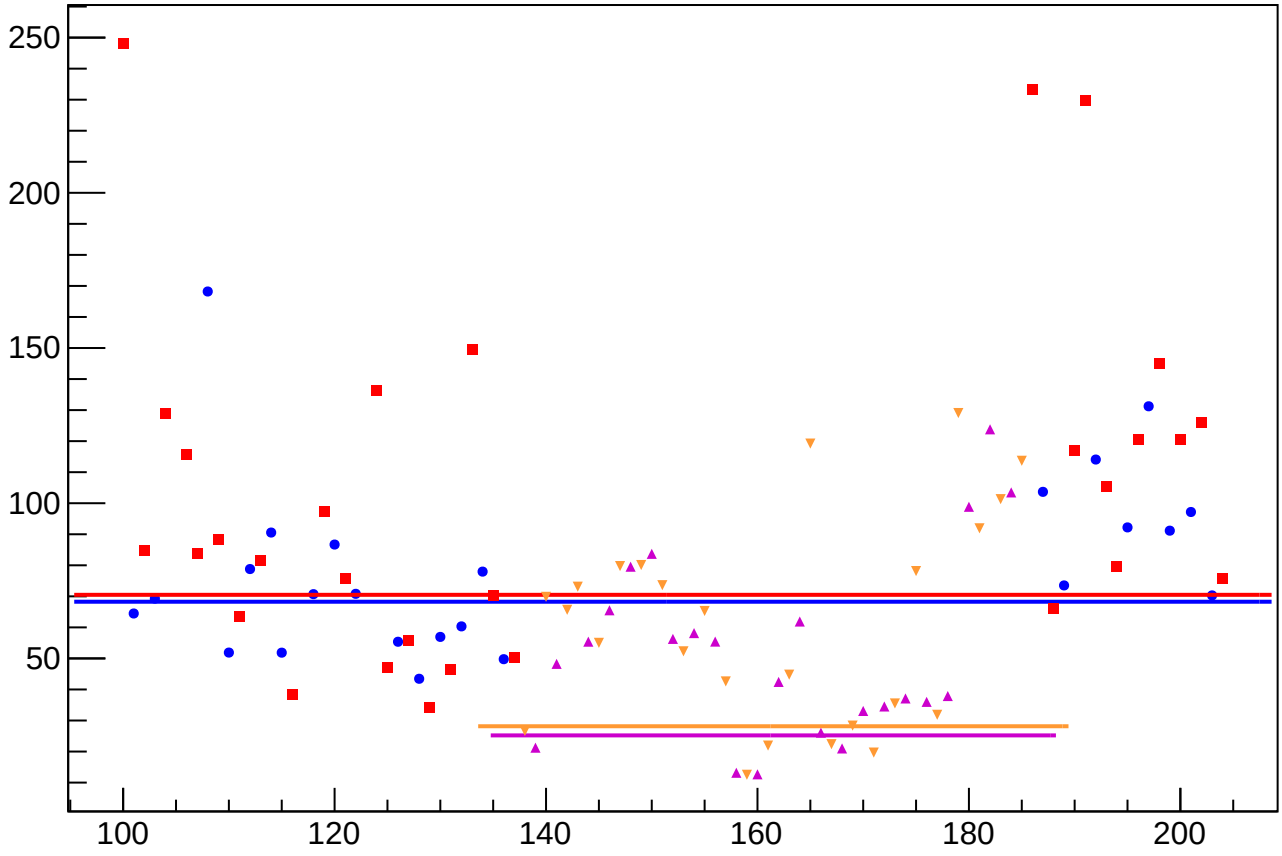
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 80.3/48

All: 0.013+/-0.005 χ^2/NDF: 128.1/101

- sign 0.015+/-0.007 χ^2/NDF: 47.6/52

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 68.267+/-0.015 χ^2/NDF: 1960321.5/23

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.491+/-0.015 χ^2/NDF: 4332979.9/29

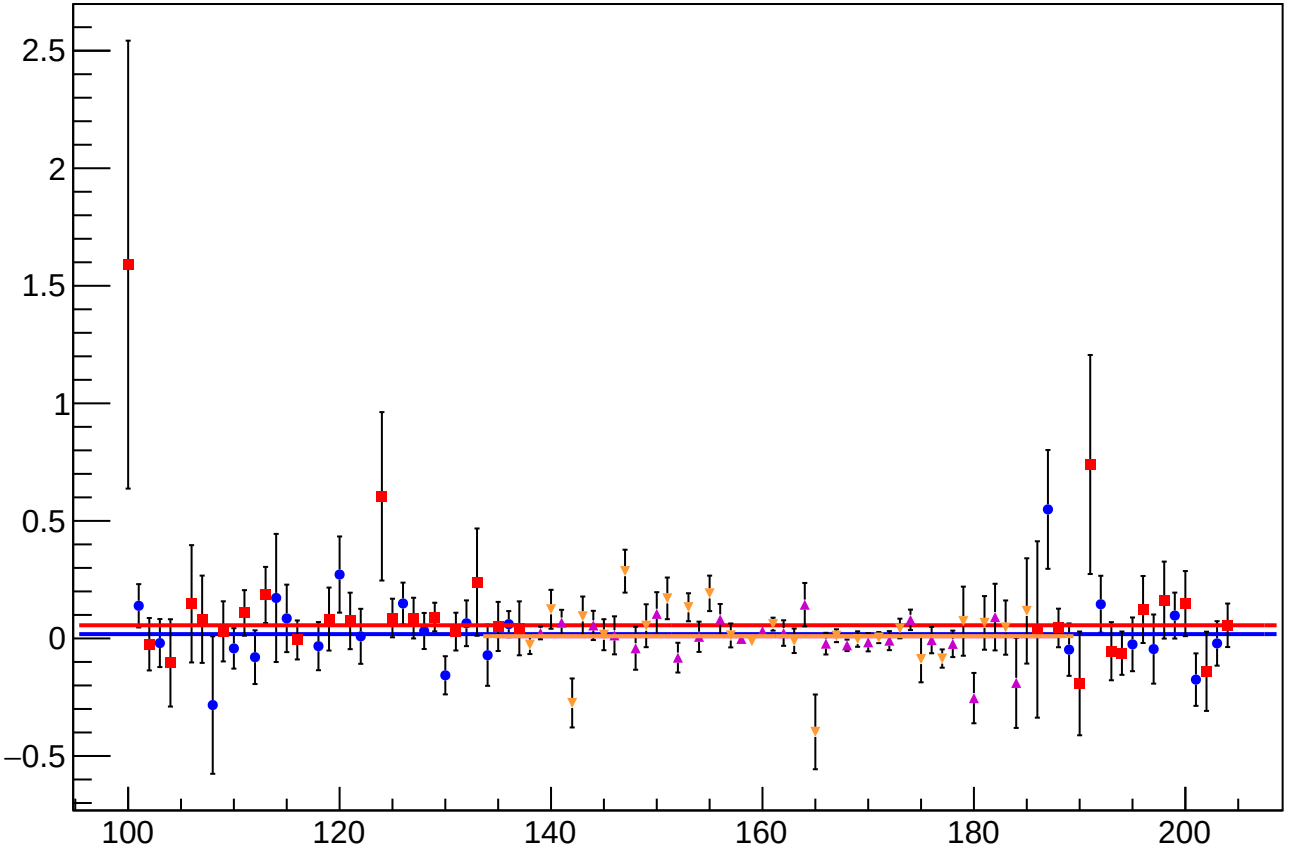
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 33.663+/-0.006 χ^2/NDF: 19213027.4/48

All: 32.122+/-0.004 χ^2/NDF: 41646489.3/101

- sign 30.745+/-0.005 χ^2/NDF: 22287732.5/52

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018+/-0.021 χ^2/NDF: 25.5/23

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.056+/-0.021 χ^2/NDF: 18.2/29

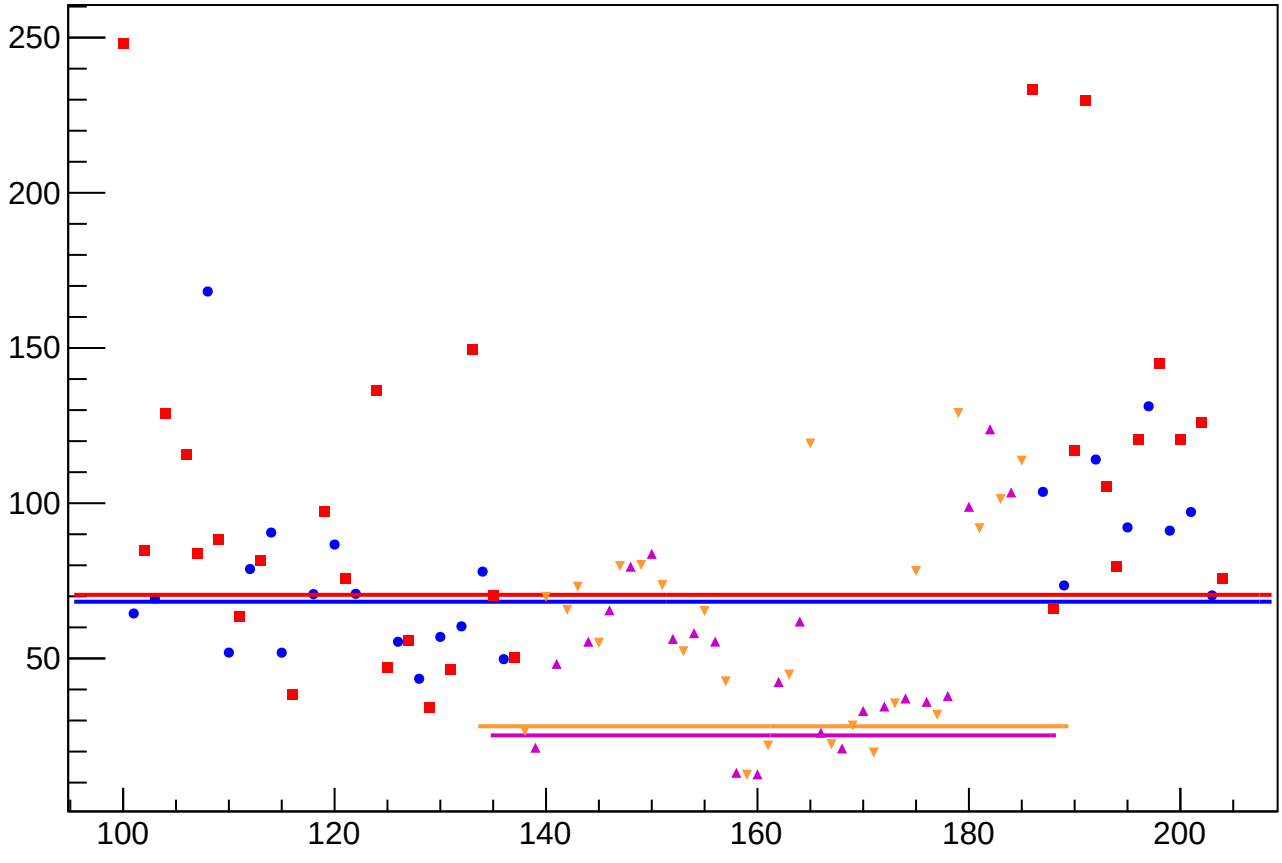
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 80.3/48

All: 0.013+/-0.005 χ^2/NDF: 128.1/101

- sign 0.015+/-0.007 χ^2/NDF: 47.6/52

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.267+/-0.015 χ^2/NDF: 1960321.5/23

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.491+/-0.015 χ^2/NDF: 4332979.9/29

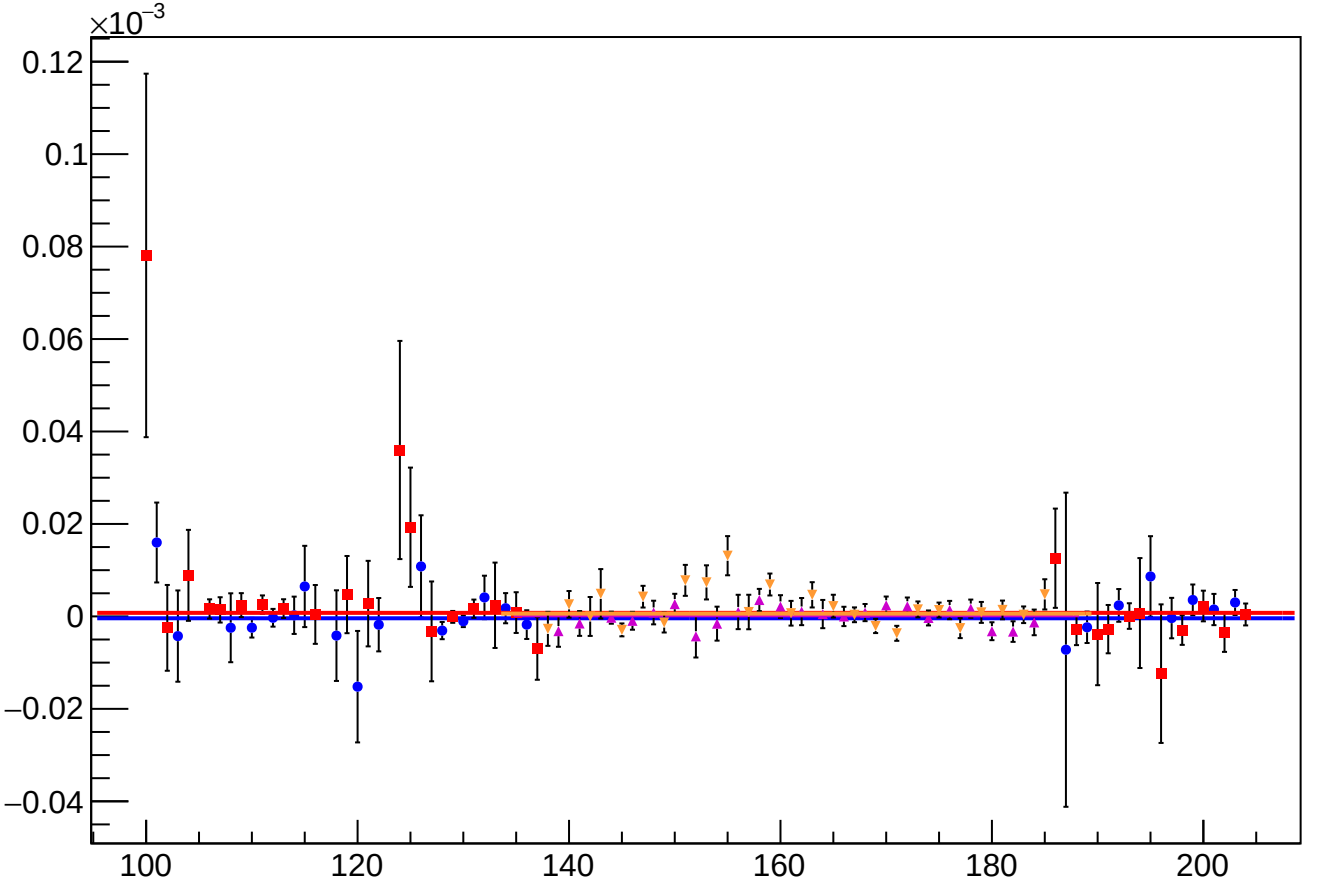
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 33.663+/-0.006 χ^2/NDF: 19213027.4/48

All: 32.122+/-0.004 χ^2/NDF: 41646489.3/101

- sign 30.745+/-0.005 χ^2/NDF: 22287732.5/52

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/29

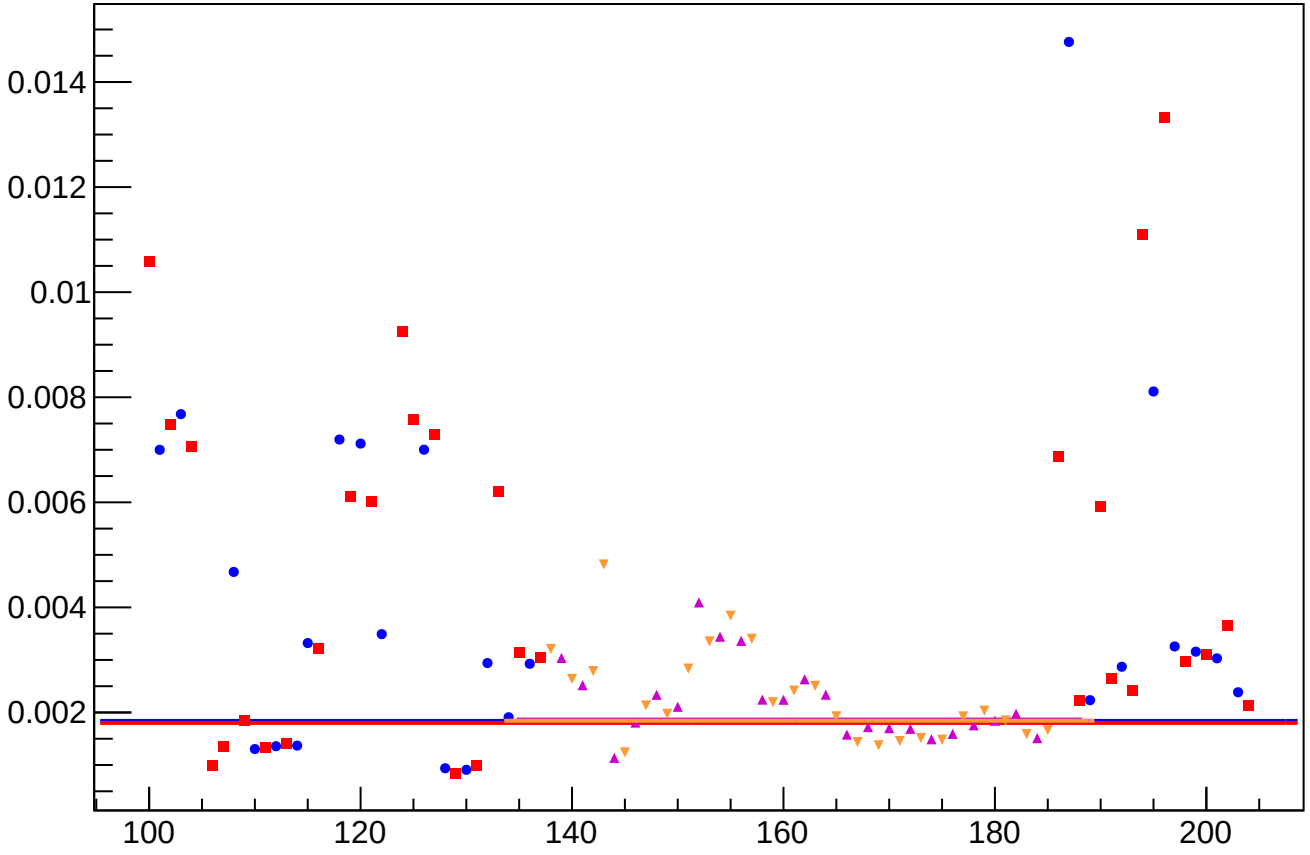
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.4/48

All: 0.000+/-0.000 χ^2/NDF: 107.9/101

- sign 0.000+/-0.000 χ^2/NDF: 36.4/52

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7920608.1/23

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10625970.3/29

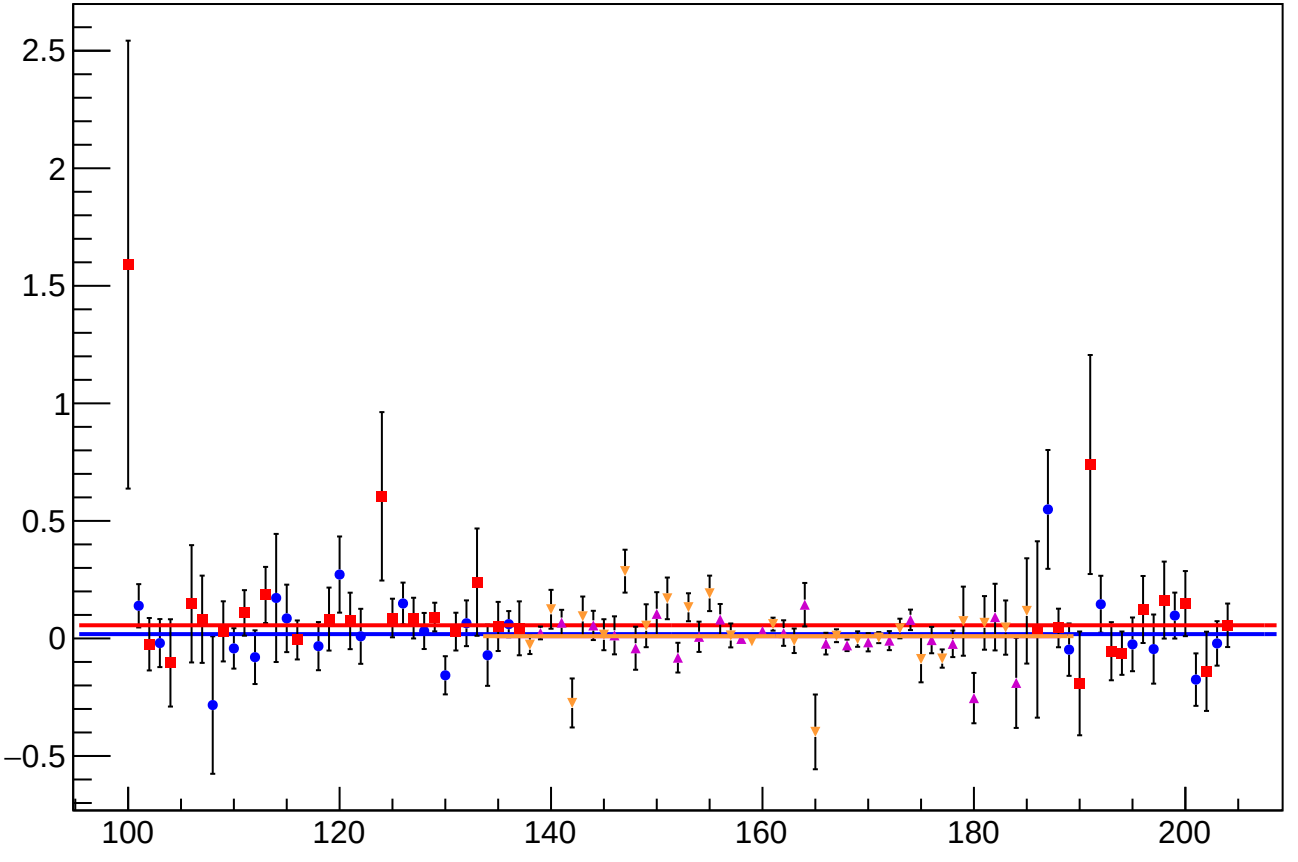
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 11703836.3/48

All: 0.002+/-0.000 χ^2/NDF: 25138145.5/101

- sign 0.002+/-0.000 χ^2/NDF: 13434307.1/52

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.021 χ^2/NDF: 25.5/23

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.056+/-0.021 χ^2/NDF: 18.2/29

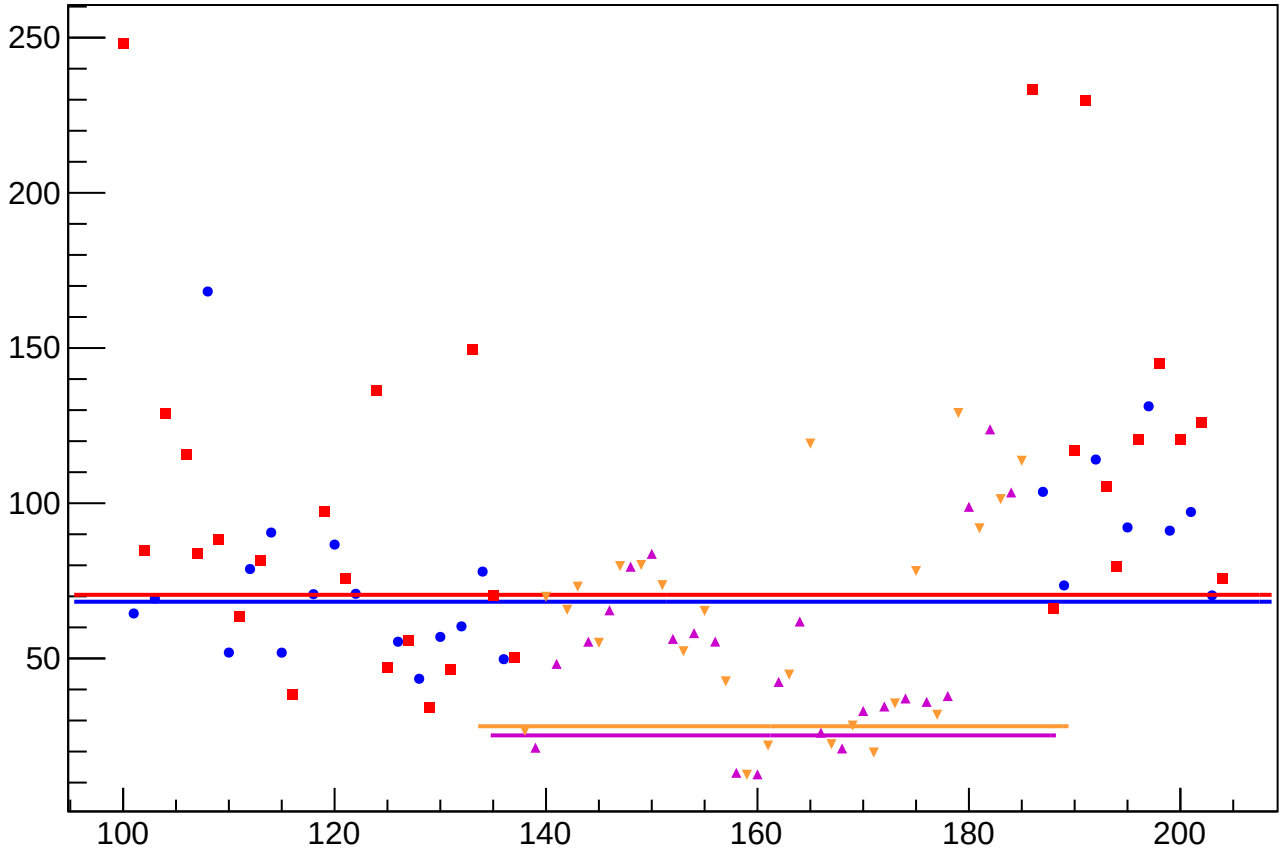
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 80.3/48

All: 0.013+/-0.005 χ^2/NDF: 128.1/101

- sign 0.015+/-0.007 χ^2/NDF: 47.6/52

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.268+/-0.015 χ^2/NDF: 1960301.7/23

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.492+/-0.015 χ^2/NDF: 4332995.5/29

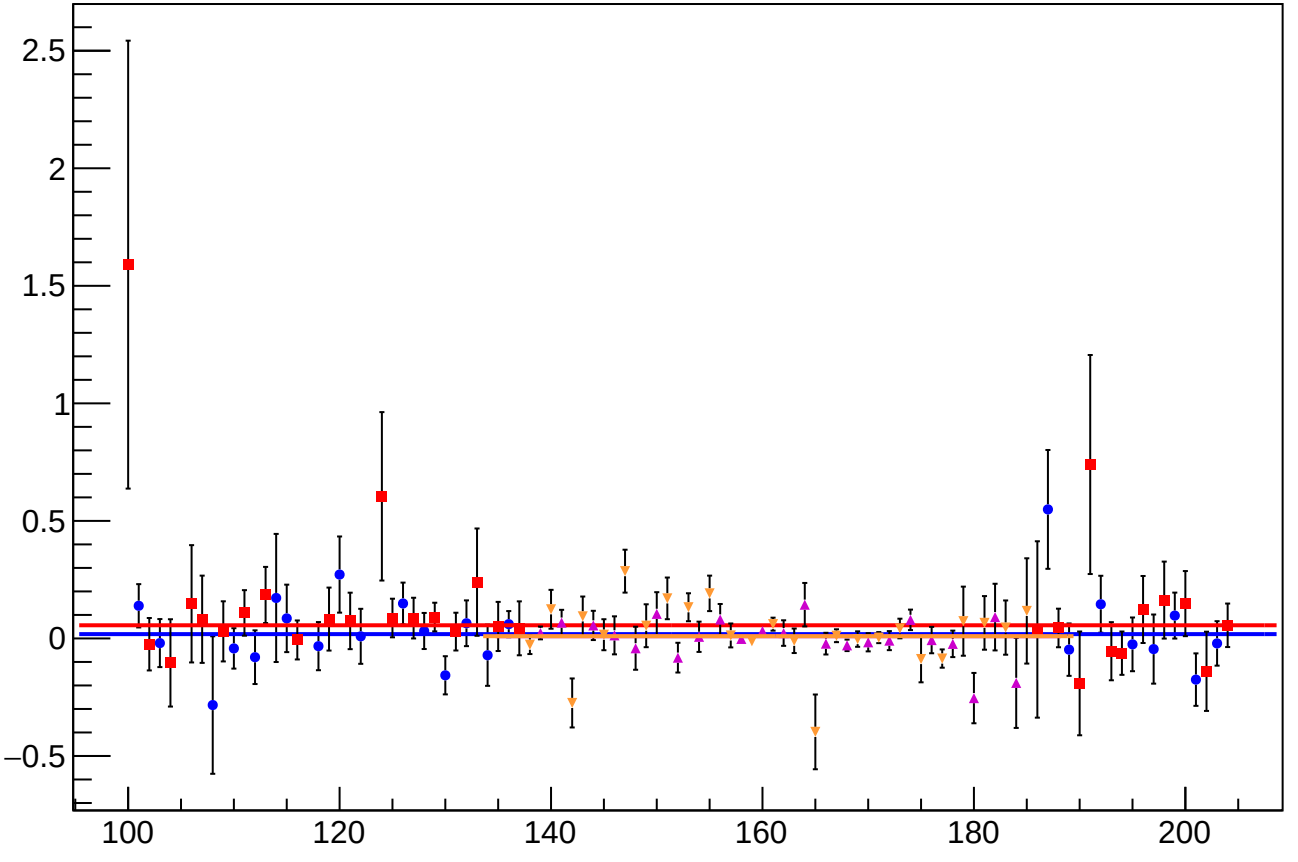
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 33.662+/-0.006 χ^2/NDF: 19214545.5/48

All: 32.121+/-0.004 χ^2/NDF: 41648769.1/101

- sign 30.745+/-0.005 χ^2/NDF: 22288578.1/52

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018+/-0.021 χ^2/NDF: 25.5/23

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.056+/-0.021 χ^2/NDF: 18.2/29

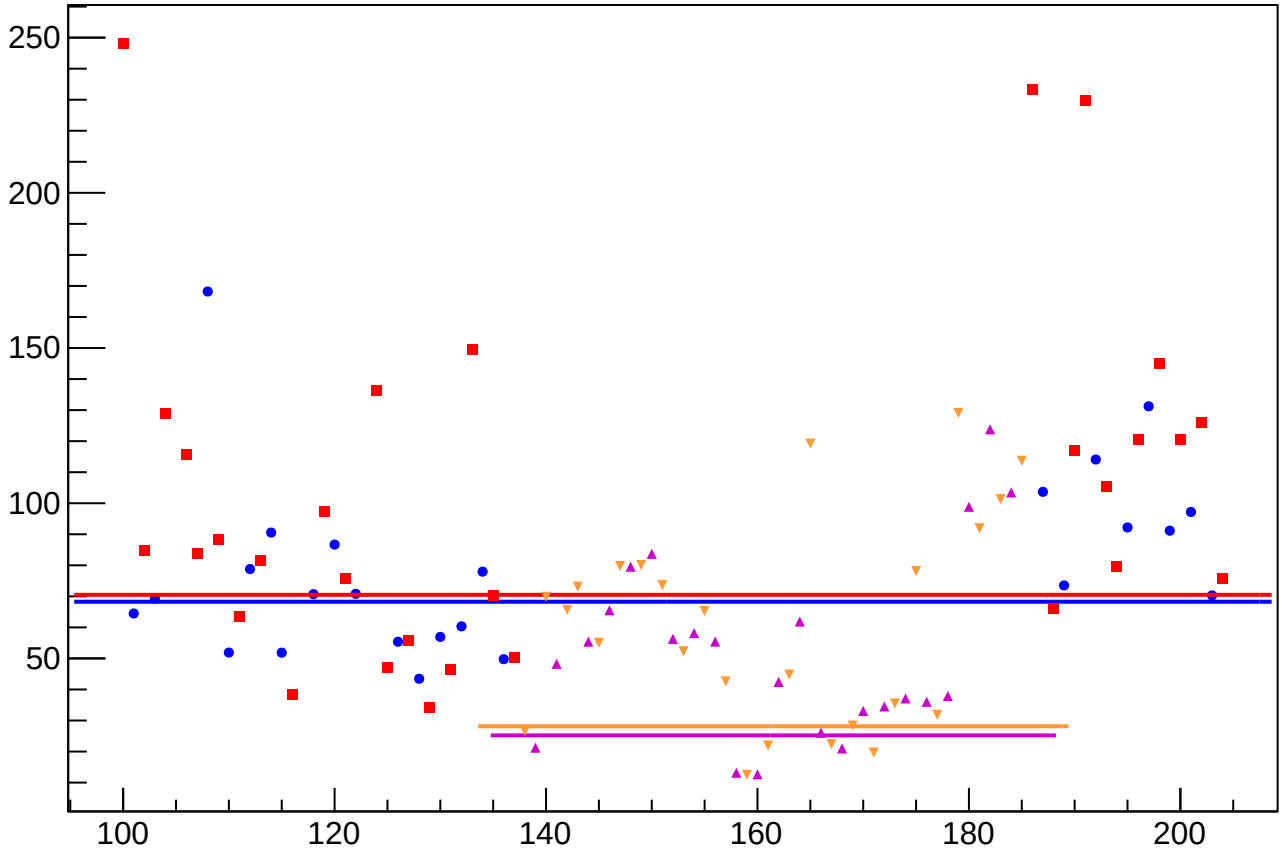
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 80.3/48

All: 0.013+/-0.005 χ^2/NDF: 128.1/101

- sign 0.015+/-0.007 χ^2/NDF: 47.6/52

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.268+/-0.015 χ^2/NDF: 1960301.7/23

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.492+/-0.015 χ^2/NDF: 4332995.5/29

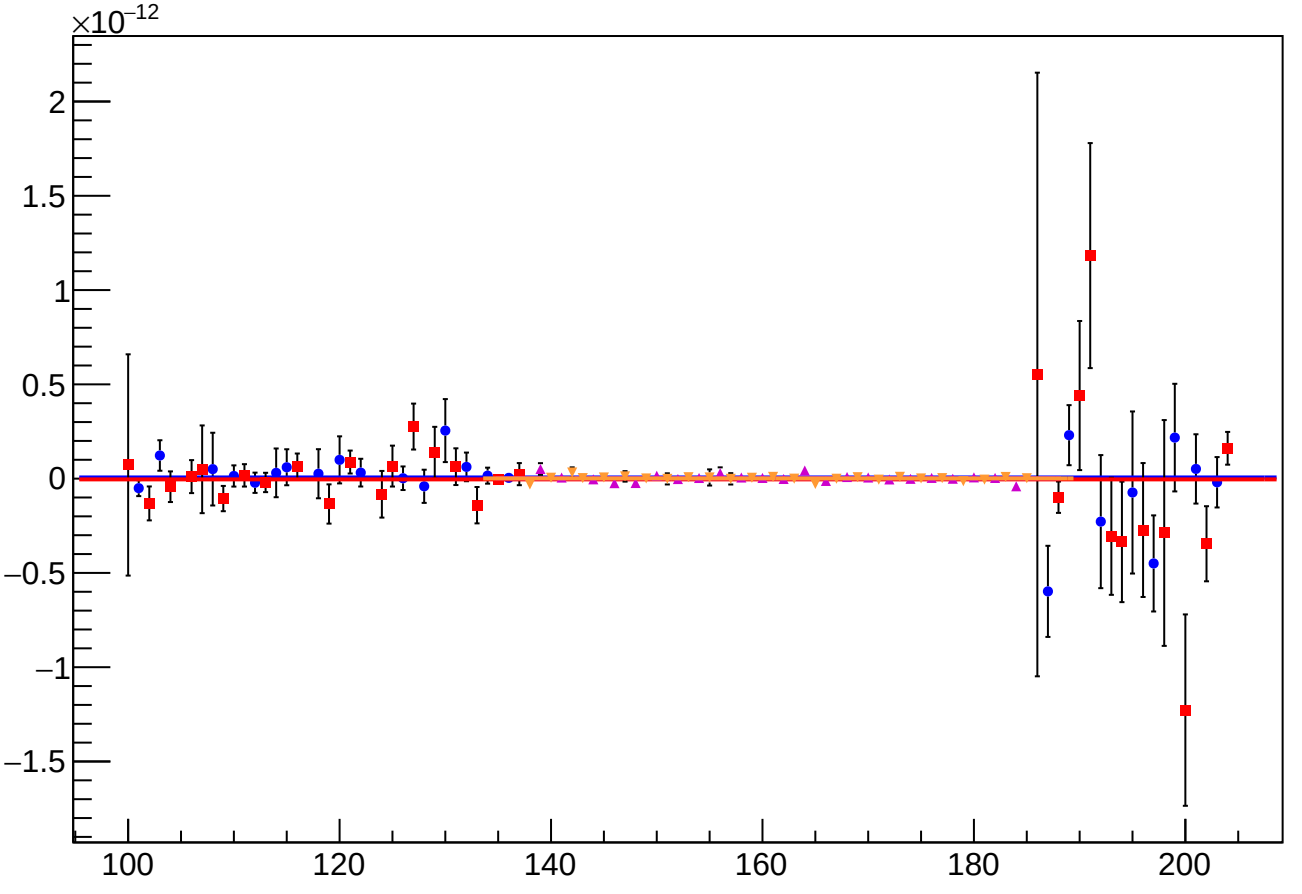
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 33.662+/-0.006 χ^2/NDF: 19214545.5/48

All: 32.121+/-0.004 χ^2/NDF: 41648769.1/101

- sign 30.745+/-0.005 χ^2/NDF: 22288578.1/52

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.5/29

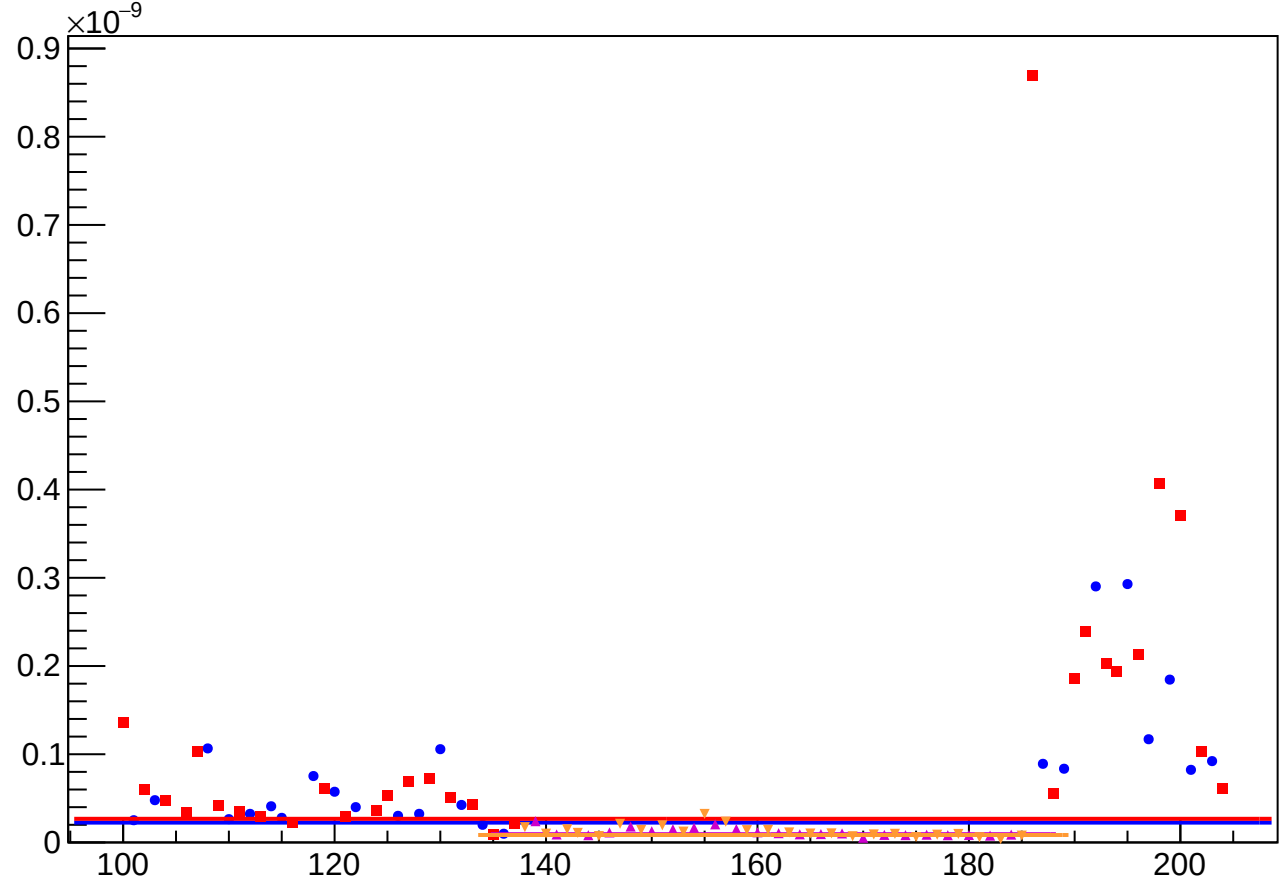
Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.4/48

All: 0.000+/-0.000 χ^2/NDF: 94.9/101

- sign 0.000+/-0.000 χ^2/NDF: 62.5/52

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7265594.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9117081.7/29

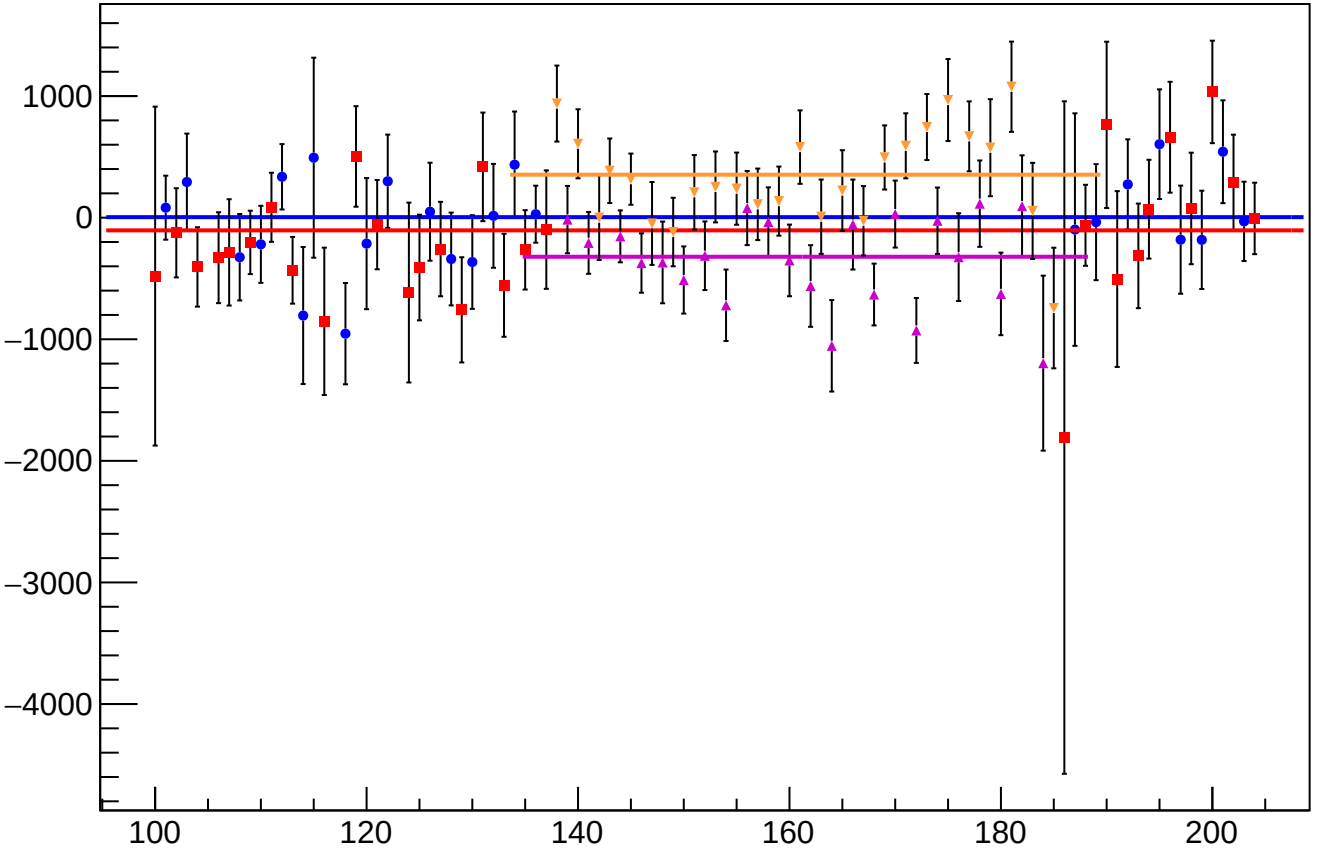
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14217875.5/48

All: 0.000+/-0.000 χ^2/NDF: 28988690.9/101

- sign 0.000+/-0.000 χ^2/NDF: 14622811.3/52

reg_asym_sam4_mean vs Slug



Right In: 4.382+/-77.703 χ^2/NDF: 19.0/23

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -104.384+/-73.082 χ^2/NDF: 27.4/29

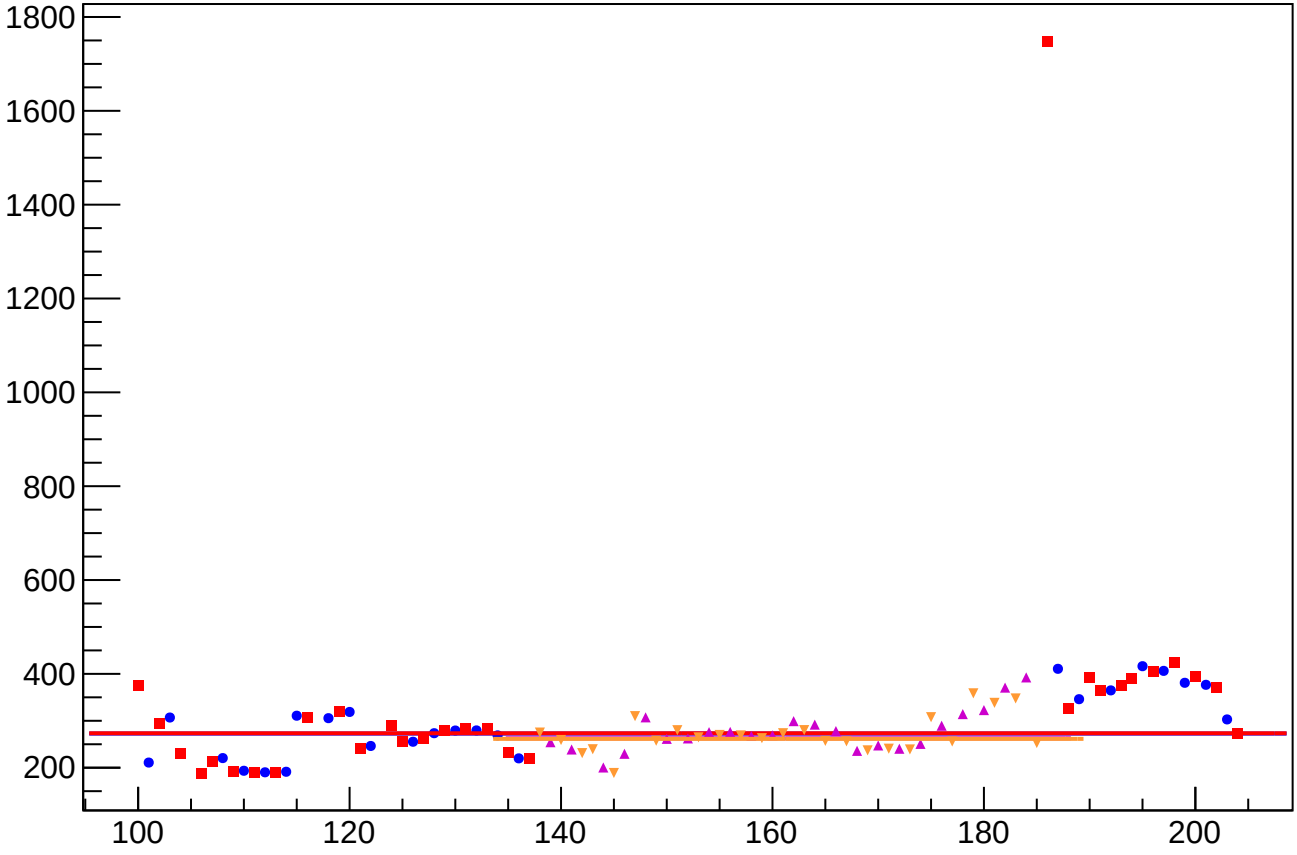
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 222.762+/-47.564 χ^2/NDF: 64.0/48

All: -4.966+/-33.549 χ^2/NDF: 168.4/101

- sign -230.448+/-47.328 χ^2/NDF: 58.8/52

reg_asym_sam4_rms vs Slug



Right In: 272.735+/-0.055 χ^2/NDF: 1548286.4/23

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.390+/-0.052 χ^2/NDF: 2520043.6/29

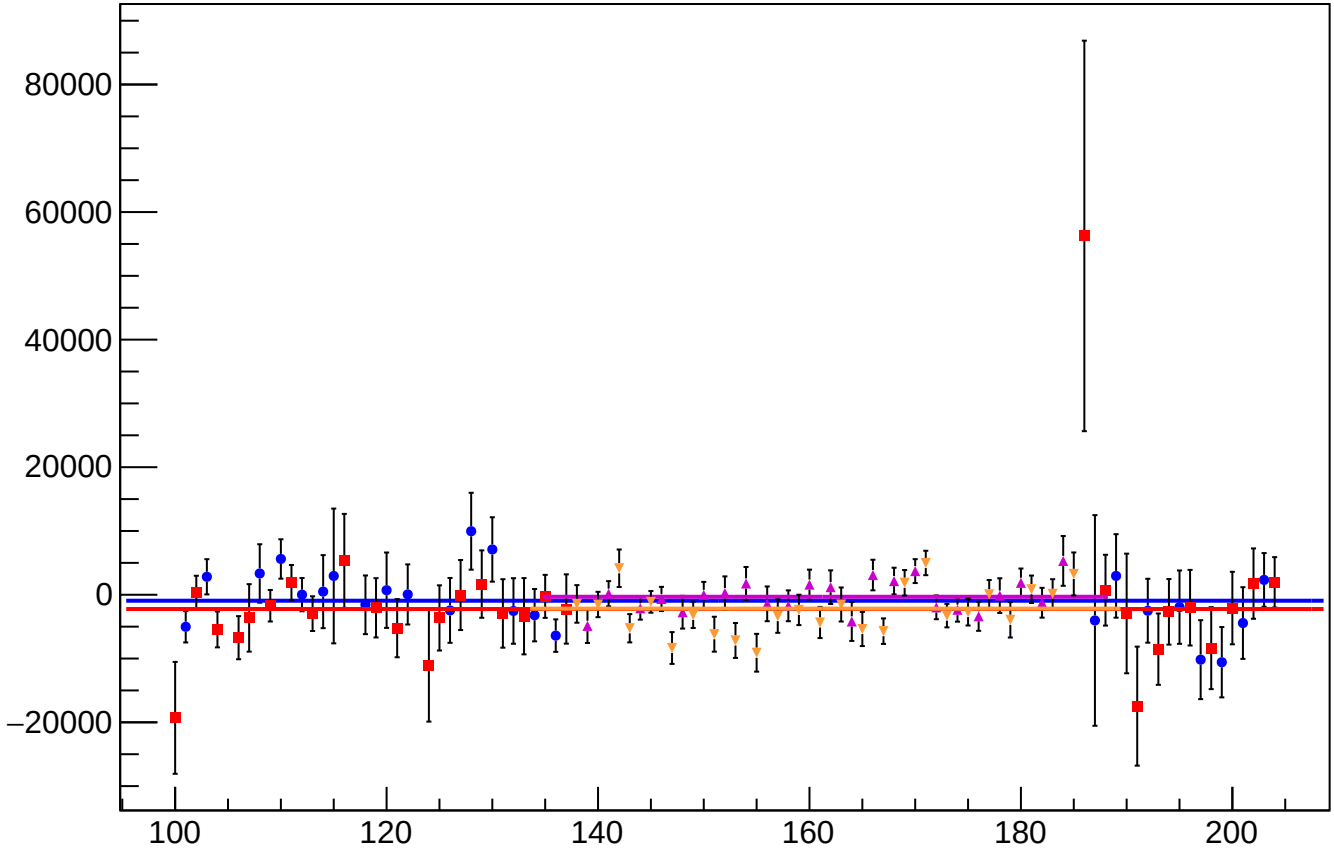
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 265.691+/-0.034 χ^2/NDF: 2290038.7/48

All: 266.416+/-0.024 χ^2/NDF: 5506892.0/101

- sign 267.135+/-0.033 χ^2/NDF: 3215926.8/52

asym_sam4_reg_correction_mean vs Slug



Right In: -933.958+/-858.030 χ^2/NDF: 28.2/23

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -2236.334+/-801.263 χ^2/NDF: 24.3/29

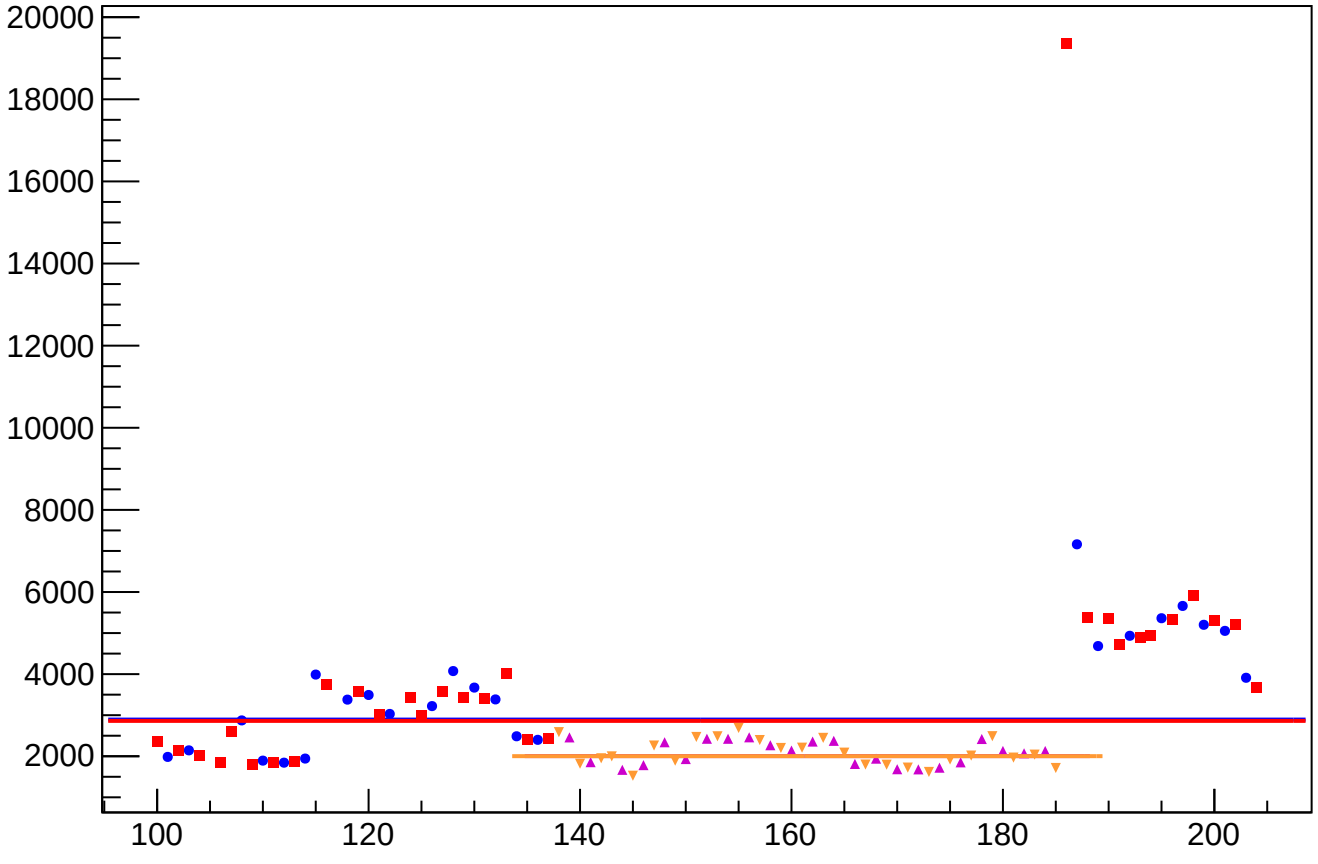
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1893.944+/-406.541 χ^2/NDF: 85.3/48

All: -1355.066+/-287.988 χ^2/NDF: 141.0/101

- sign -812.271+/-408.016 χ^2/NDF: 52.2/52

asym_sam4_reg_correction_rms vs Slug



Right In: 2892.921+/-0.607 χ^2/NDF: 3469561.9/23

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2861.545+/-0.567 χ^2/NDF: 5134375.4/29

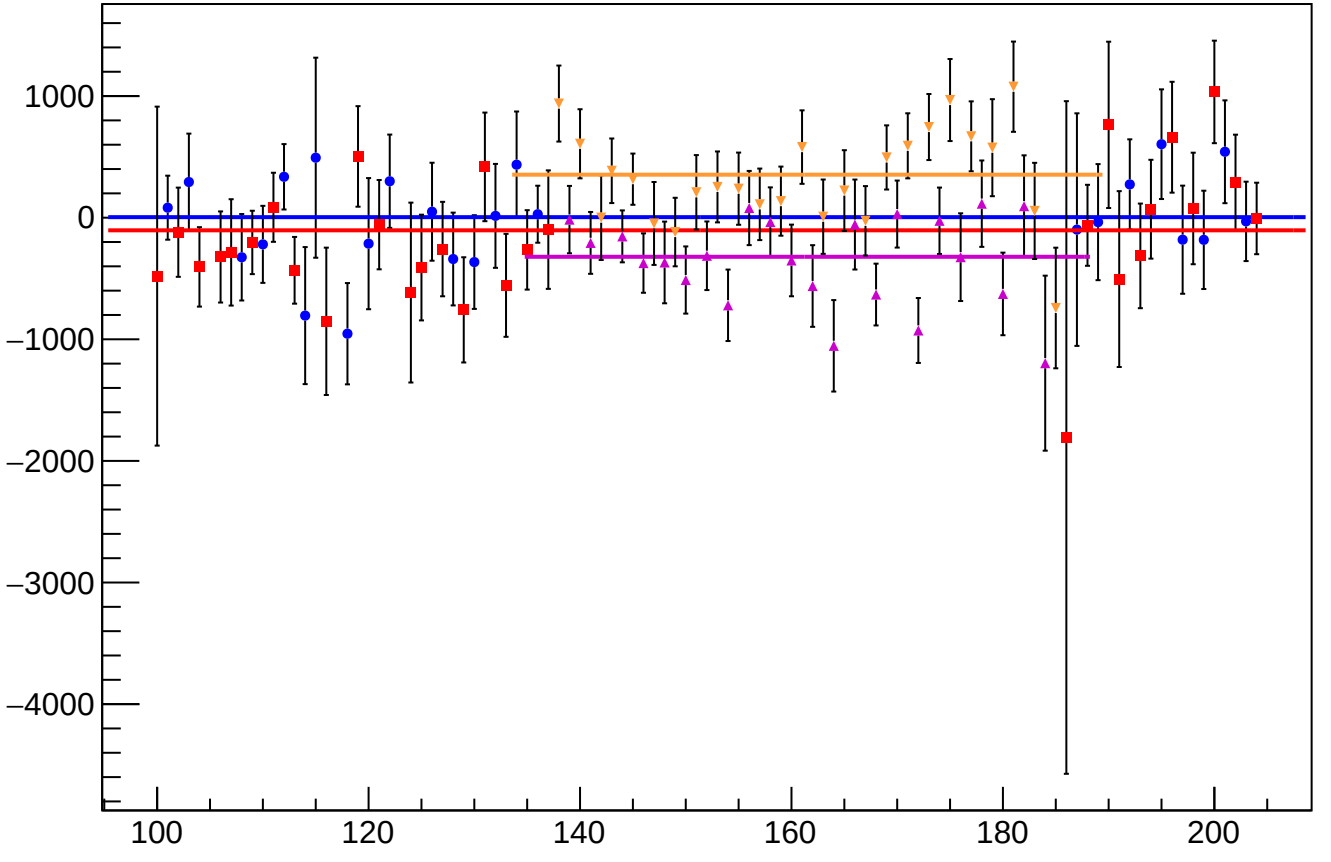
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2202.184+/-0.287 χ^2/NDF: 6033613.3/48

All: 2214.319+/-0.204 χ^2/NDF: 13572337.7/1

- sign 2226.543+/-0.289 χ^2/NDF: 7535147.1/52

cor_asym_sam4_mean vs Slug



Right In: 4.367+/-77.703 χ^2/NDF: 19.0/23

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -103.918+/-73.090 χ^2/NDF: 27.4/29

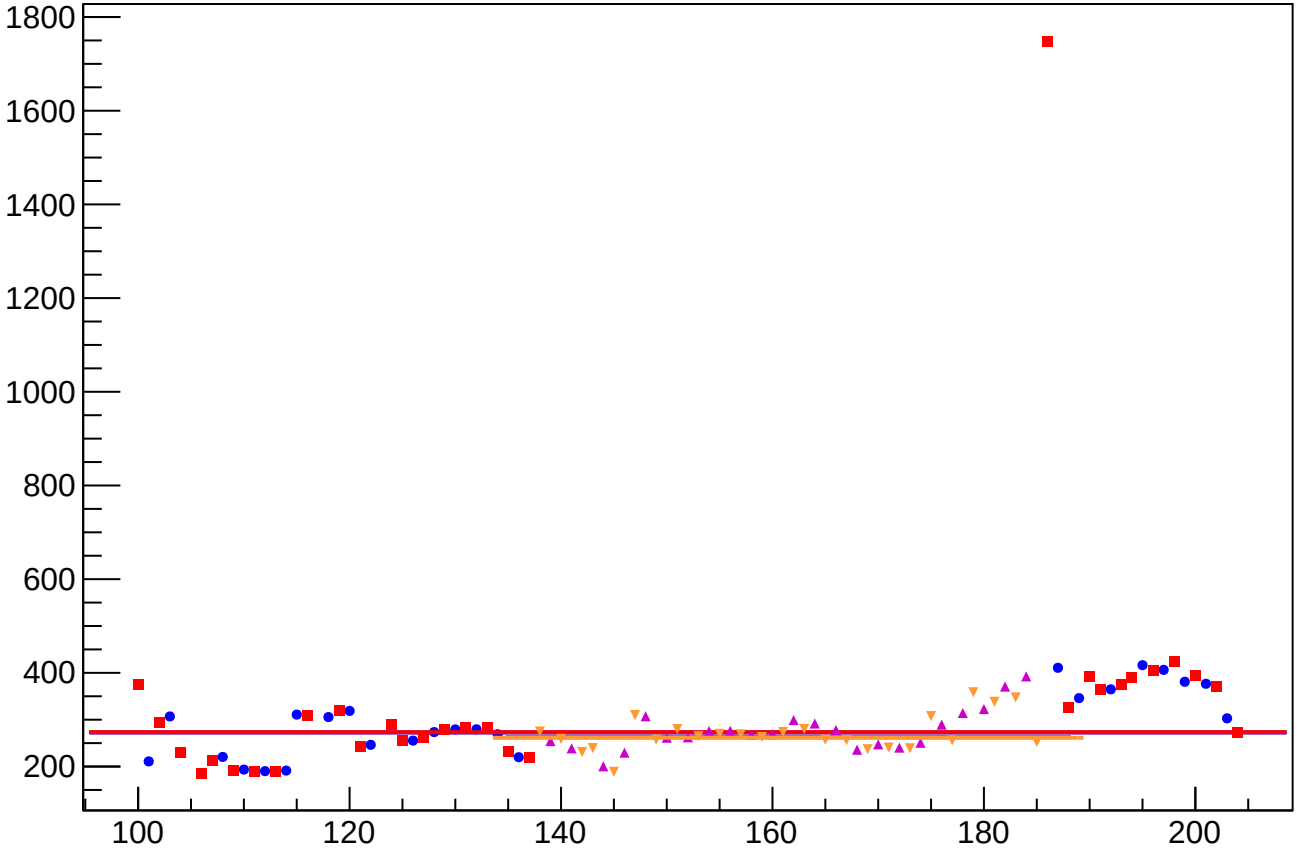
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 222.771+/-47.564 χ^2/NDF: 64.0/48

All: -4.860+/-33.550 χ^2/NDF: 168.4/101

- sign -230.267+/-47.331 χ^2/NDF: 58.8/52

cor_asym_sam4_rms vs Slug



Right In: 272.735+/-0.055 χ^2/NDF: 1548287.7/23

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.314+/-0.052 χ^2/NDF: 2525875.3/29

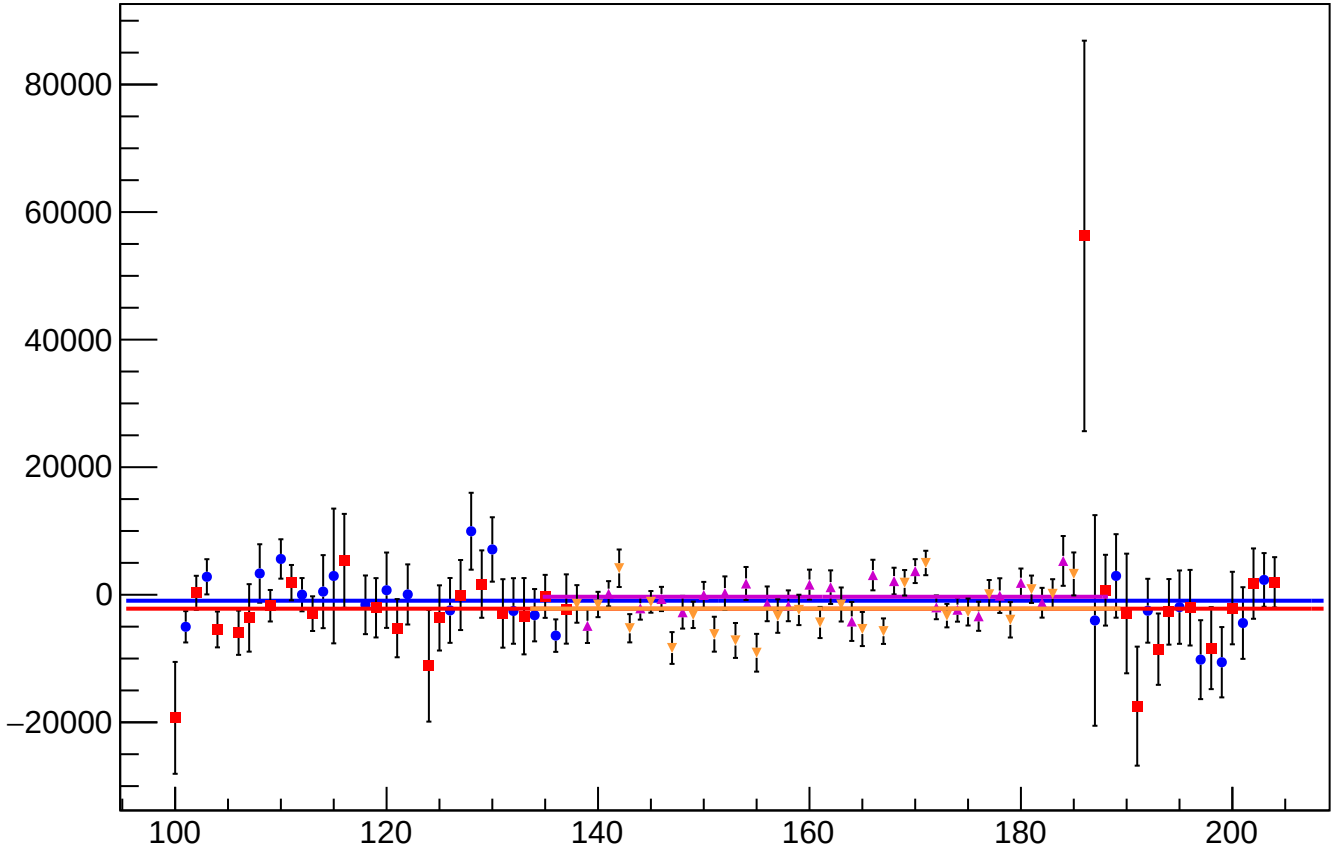
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 265.691+/-0.034 χ^2/NDF: 2290040.4/48

All: 266.400+/-0.024 χ^2/NDF: 5512327.4/101

- sign 267.102+/-0.033 χ^2/NDF: 3221401.7/52

asym_sam4_cor_correction_mean vs Slug



Right In: -934.099+/-858.036 χ^2/NDF: 28.2/23

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2182.482+/-802.479 χ^2/NDF: 23.7/29

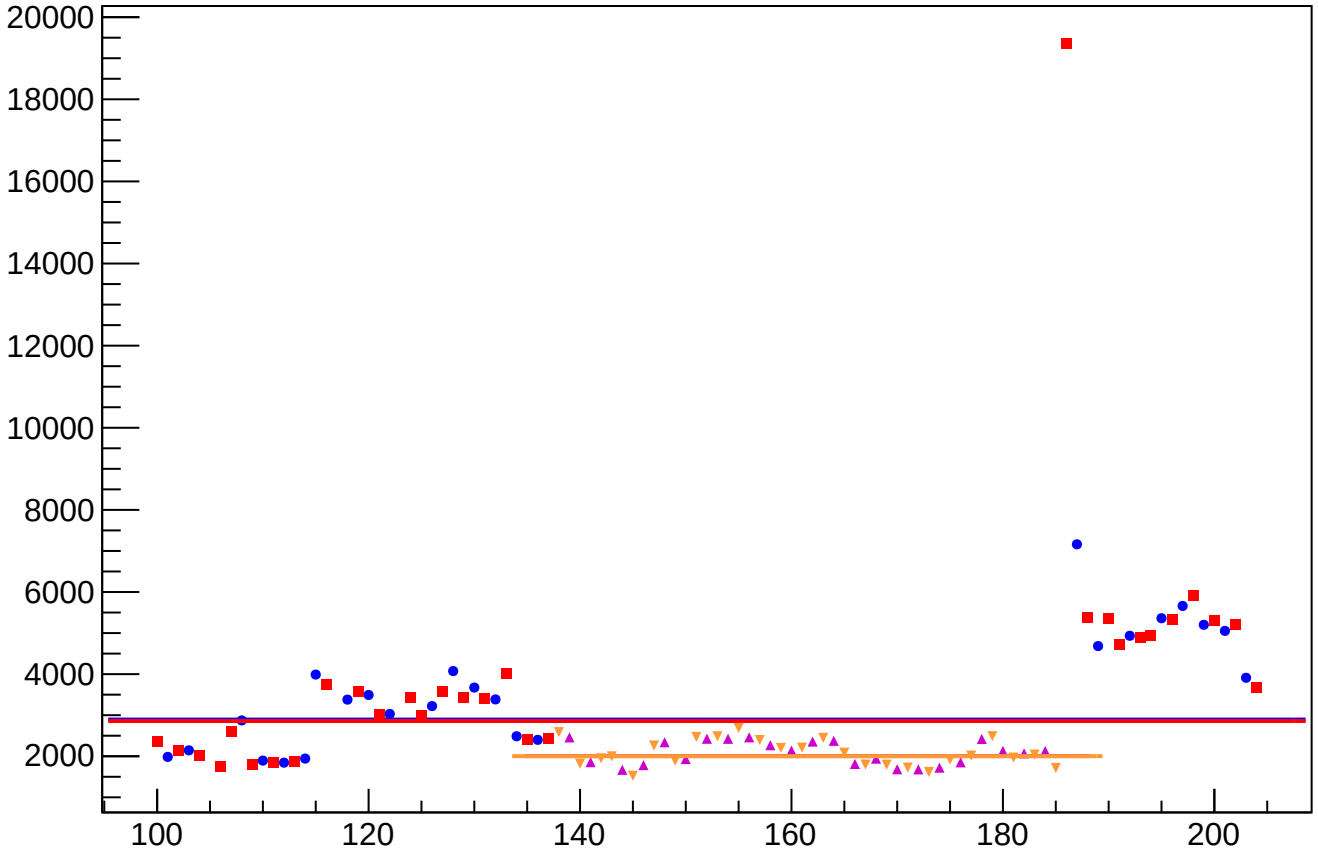
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1893.956+/-406.542 χ^2/NDF: 85.3/48

All: -1347.791+/-288.045 χ^2/NDF: 140.3/101

- sign -797.223+/-408.177 χ^2/NDF: 51.4/52

asym_sam4_cor_correction_rms vs Slug



Right In: 2892.948+/-0.607 χ^2/NDF: 3469477.0/23

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2858.698+/-0.567 χ^2/NDF: 5163948.6/29

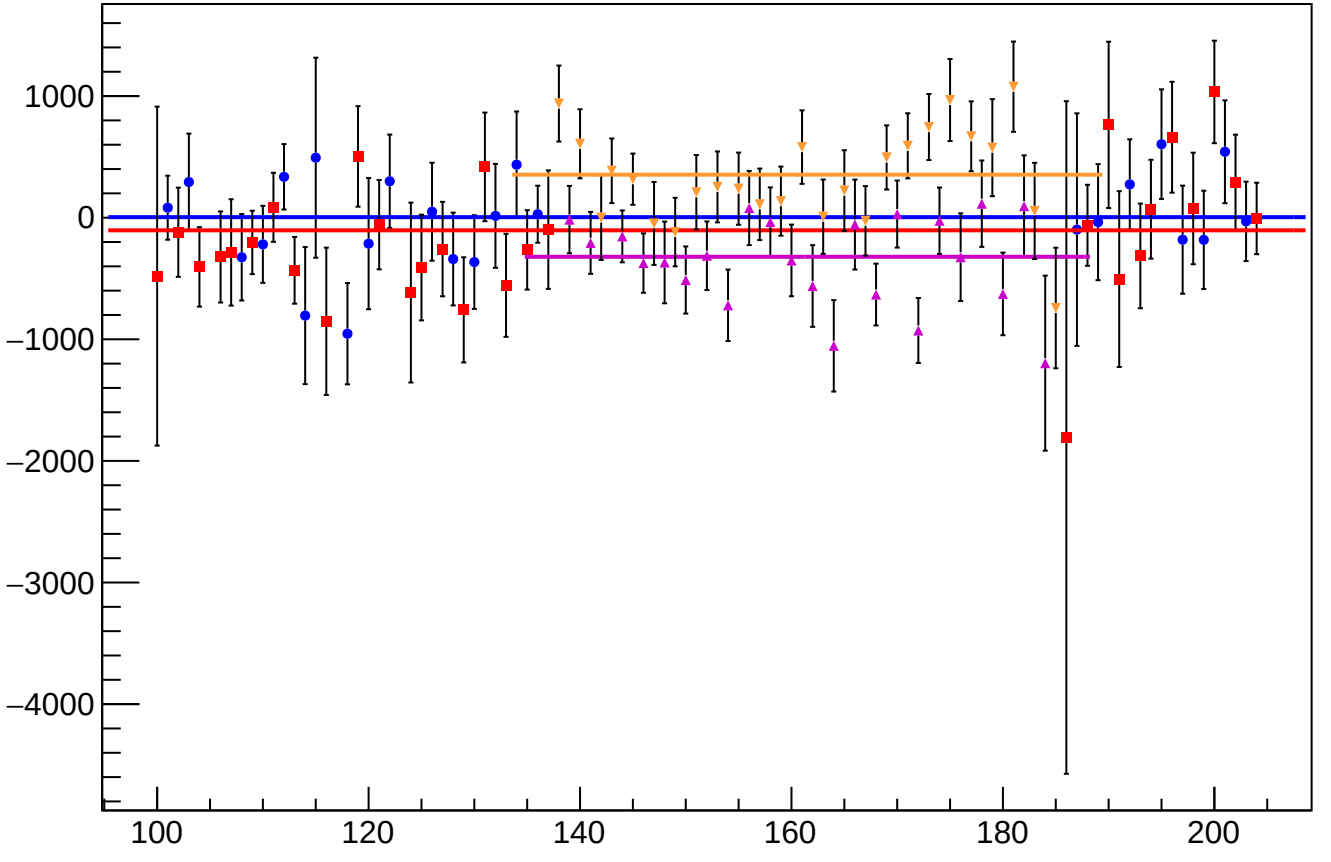
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2202.187+/-0.287 χ^2/NDF: 6033608.5/48

All: 2213.701+/-0.204 χ^2/NDF: 13586522.2/1

- sign 2225.308+/-0.289 χ^2/NDF: 7549692.2/52

eigen_cor_asym_sam4_mean vs Slug



Right In: 4.367+/-77.703 χ^2/NDF: 19.0/23

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -103.918+/-73.090 χ^2/NDF: 27.4/29

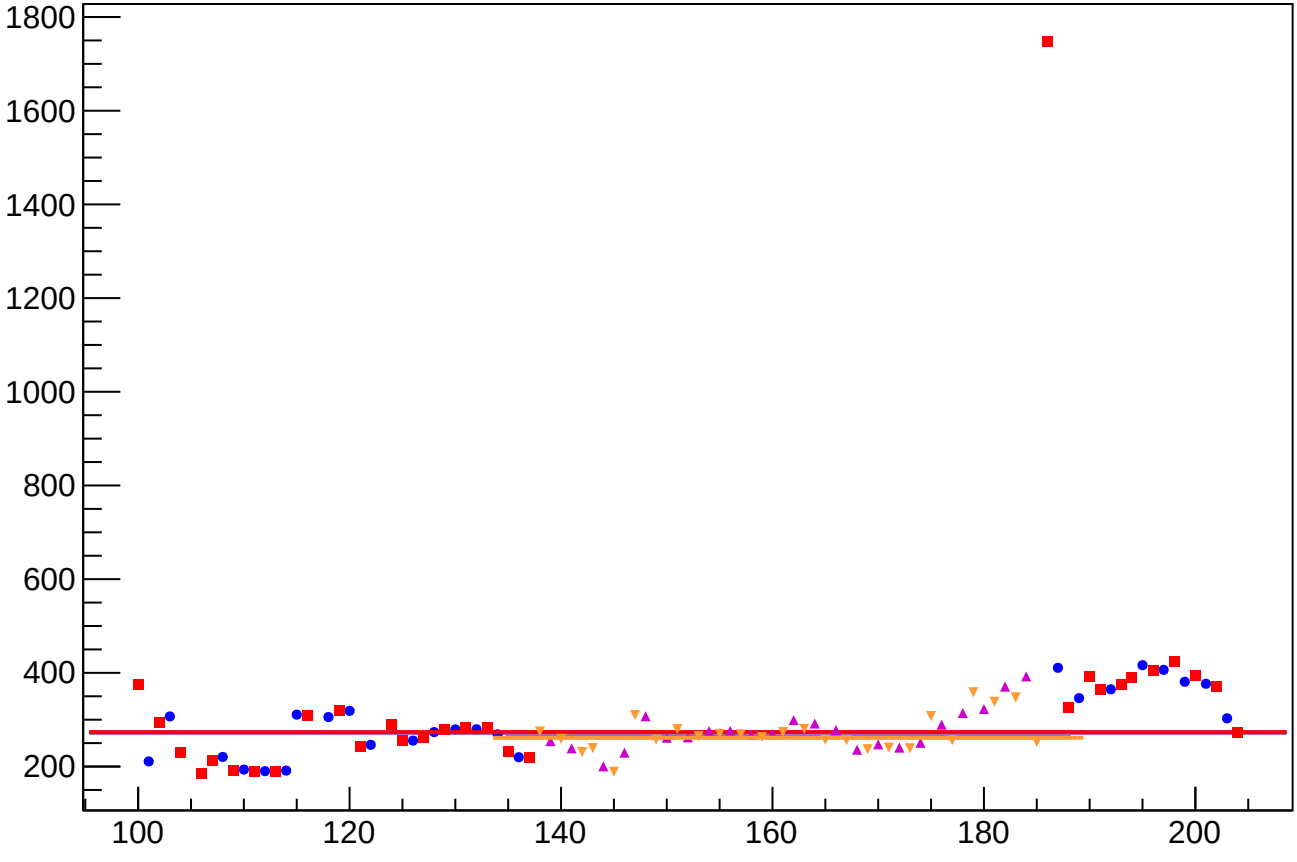
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 222.771+/-47.564 χ^2/NDF: 64.0/48

All: -4.860+/-33.550 χ^2/NDF: 168.4/101

- sign -230.267+/-47.331 χ^2/NDF: 58.8/52

eigen_cor_asym_sam4_rms vs Slug



Right In: 272.735+/-0.055 χ^2/NDF: 1548287.7/23

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.314+/-0.052 χ^2/NDF: 2525875.3/29

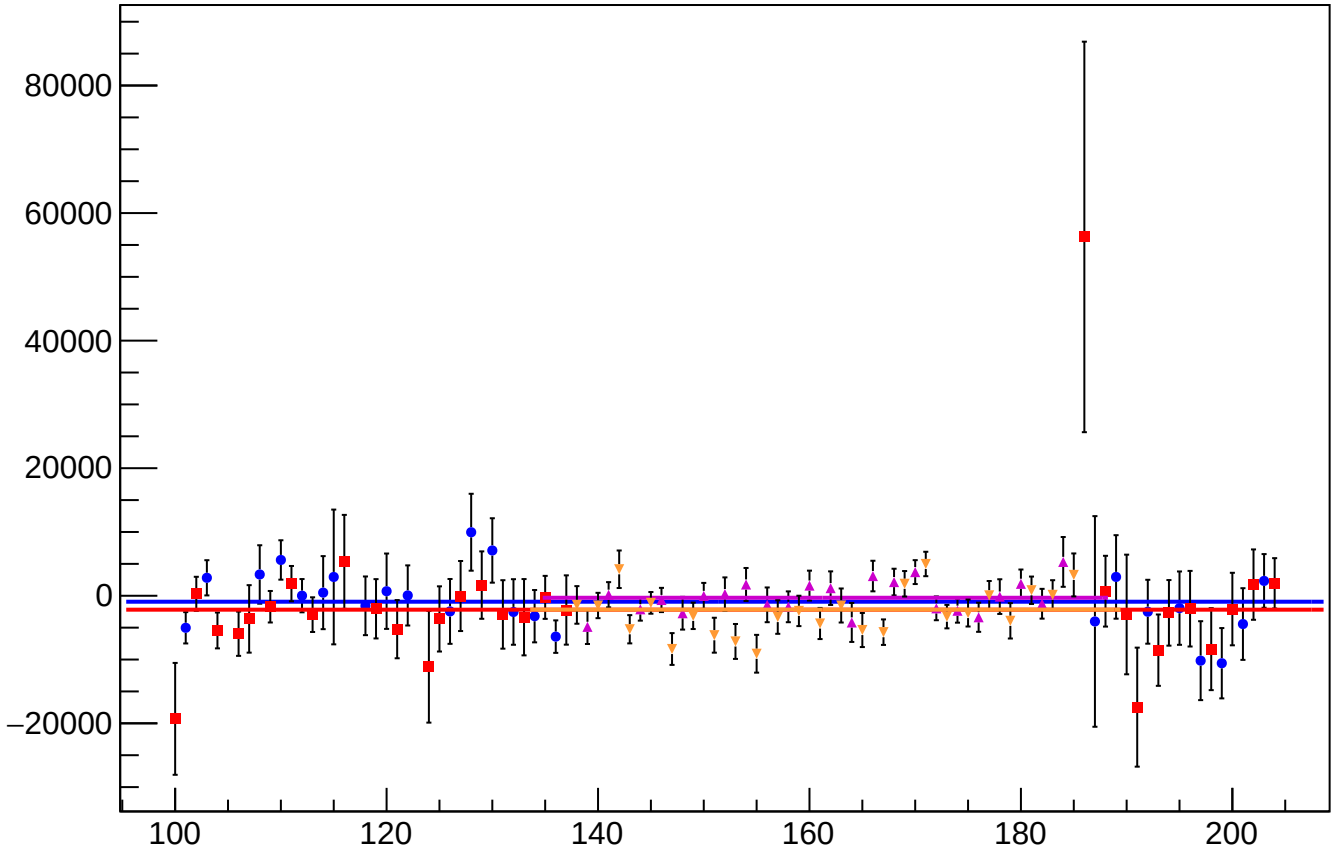
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 265.691+/-0.034 χ^2/NDF: 2290040.4/48

All: 266.400+/-0.024 χ^2/NDF: 5512327.4/101

- sign 267.102+/-0.033 χ^2/NDF: 3221401.7/52

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -934.099+/-858.036 χ^2/NDF: 28.2/23

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2182.482+/-802.479 χ^2/NDF: 23.7/29

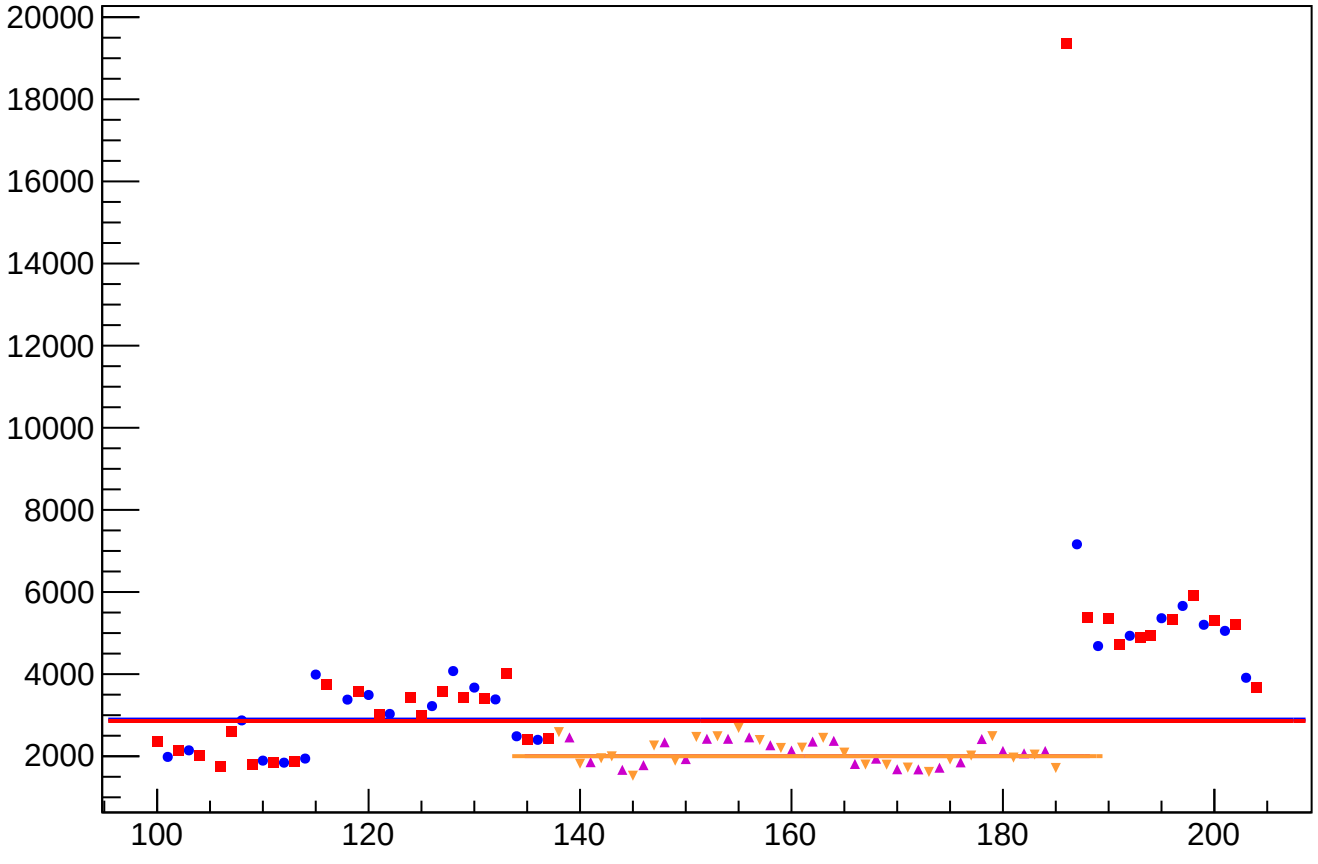
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1893.956+/-406.542 χ^2/NDF: 85.3/48

All: -1347.791+/-288.045 χ^2/NDF: 140.3/101

- sign -797.223+/-408.177 χ^2/NDF: 51.4/52

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2892.948+/-0.607 χ^2/NDF: 3469477.0/23

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2858.698+/-0.567 χ^2/NDF: 5163948.6/29

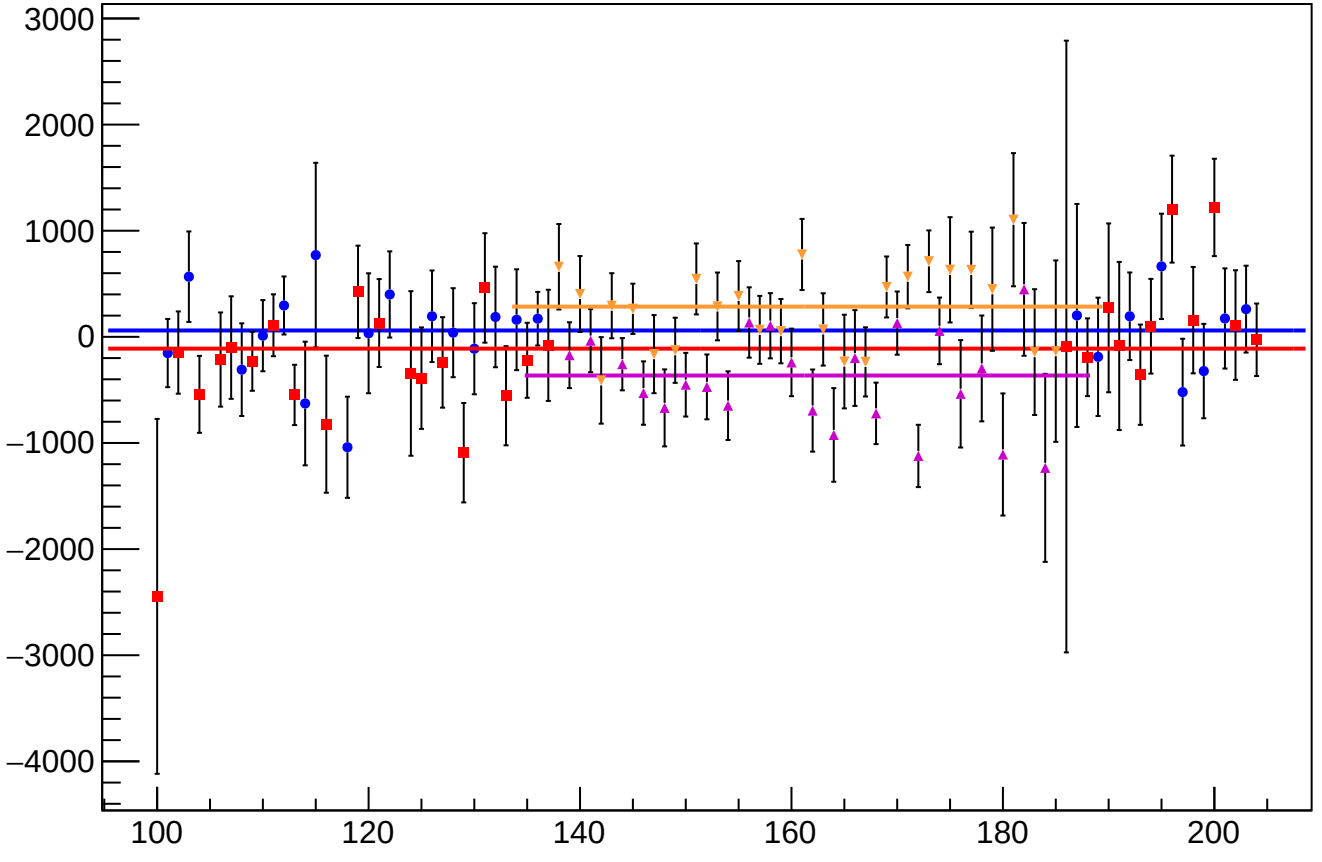
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2202.187+/-0.287 χ^2/NDF: 6033608.5/48

All: 2213.701+/-0.204 χ^2/NDF: 13586522.2/1

- sign 2225.308+/-0.289 χ^2/NDF: 7549692.2/52

dit_asym_sam4_mean vs Slug



Right In: 60.151+/-86.043 χ^2/NDF: 16.2/23

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -110.949+/-80.092 χ^2/NDF: 33.3/29

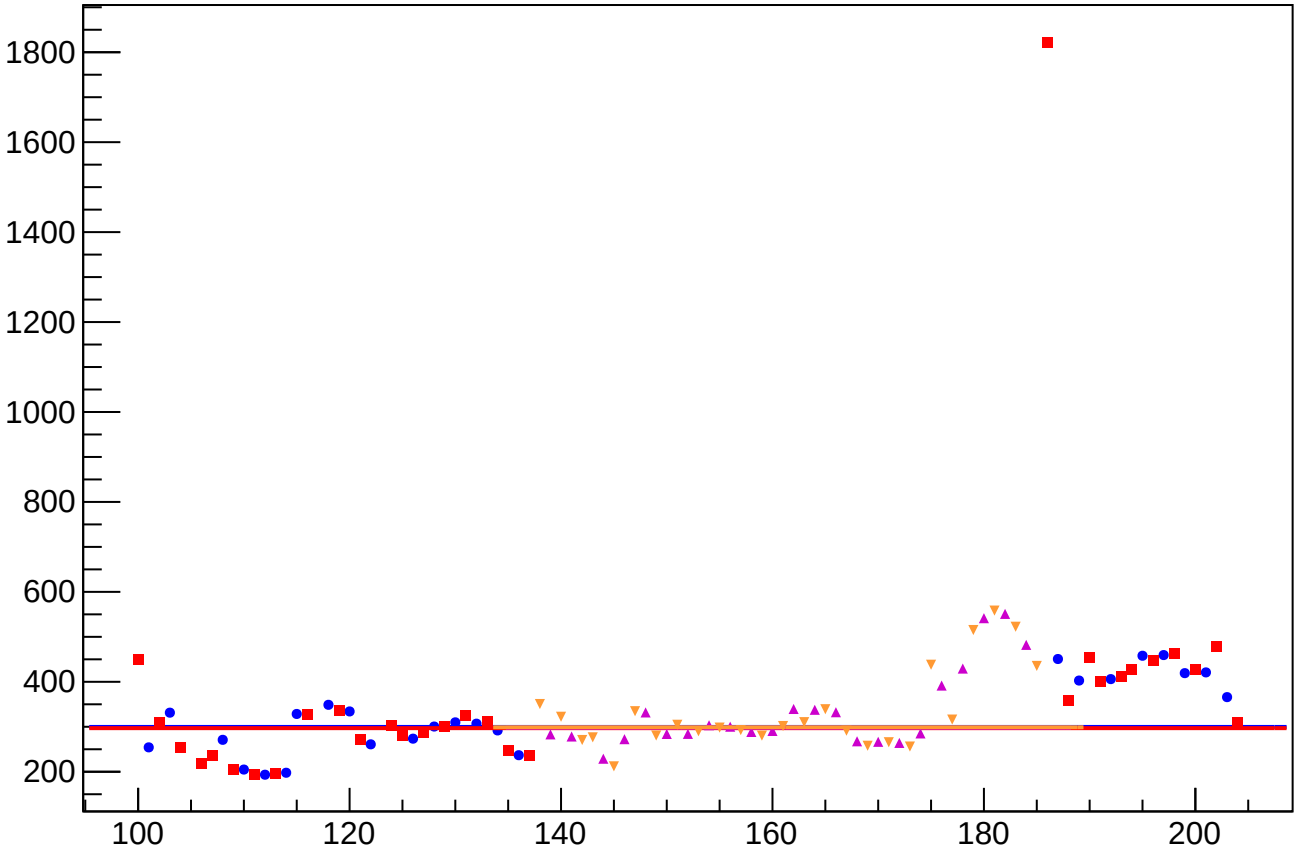
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 195.342+/-54.317 χ^2/NDF: 43.1/48

All: -31.766+/-38.089 χ^2/NDF: 144.5/101

- sign -251.488+/-53.426 χ^2/NDF: 67.0/52

dit_asym_sam4_rms vs Slug



Right In: 299.616+/-0.061 χ^2/NDF: 1741675.9/23

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 296.945+/-0.057 χ^2/NDF: 2800735.8/29

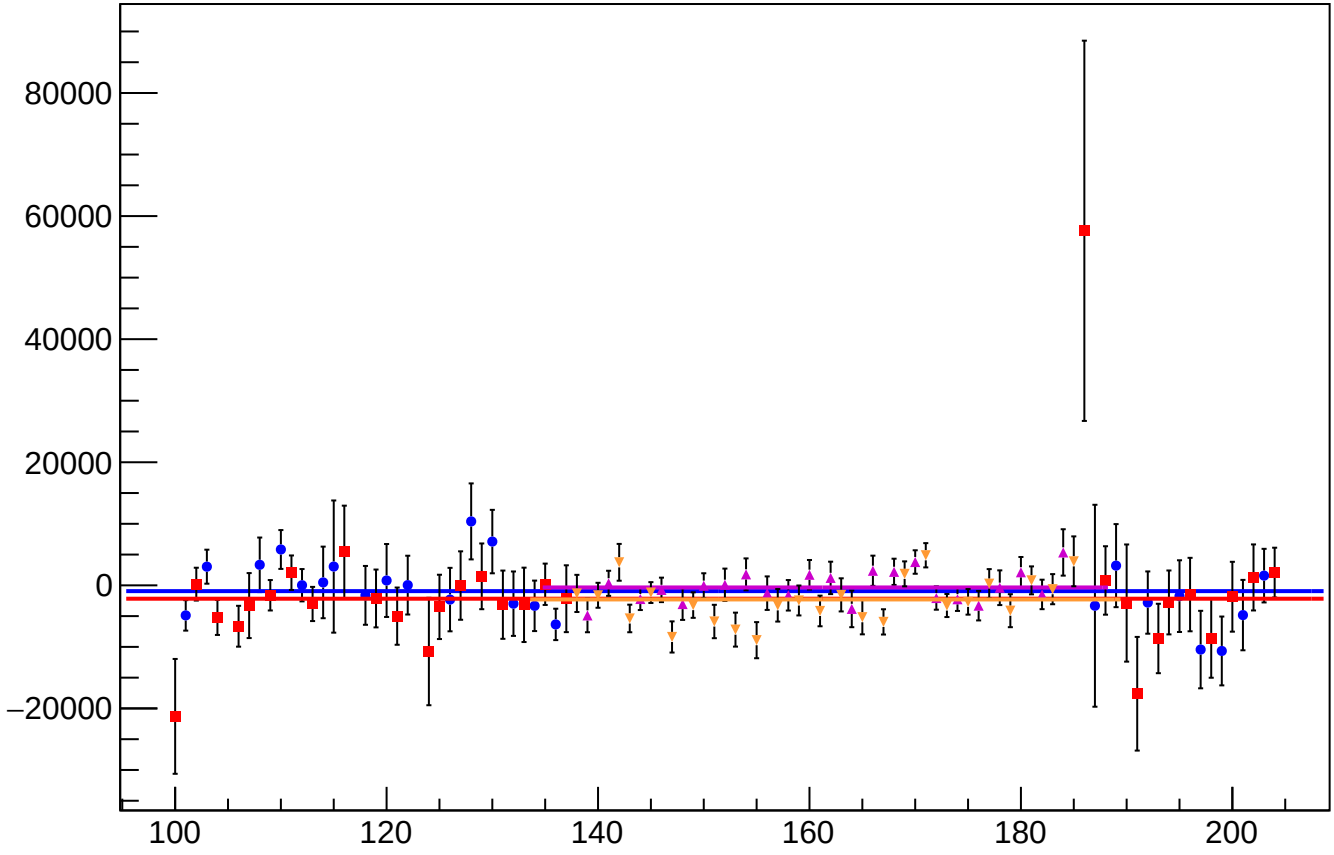
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 299.208+/-0.038 χ^2/NDF: 3354827.8/48

All: 298.323+/-0.027 χ^2/NDF: 7475823.6/101

- sign 297.467+/-0.038 χ^2/NDF: 4119950.9/52

asym_sam4_dit_correction_mean vs Slug



Right In: -939.619+/-866.827 χ^2/NDF: 28.1/23

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -2172.584+/-807.079 χ^2/NDF: 24.7/29

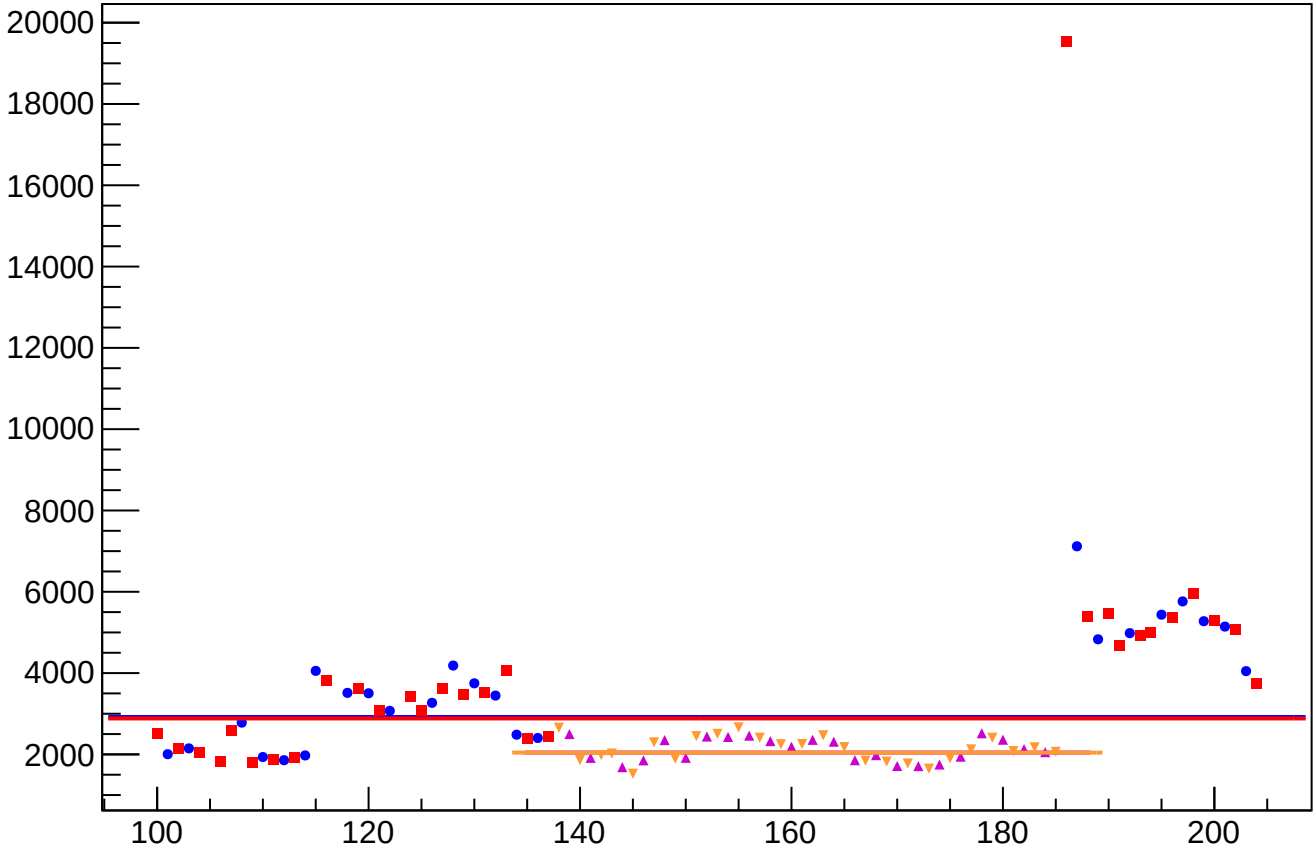
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -1983.443+/-413.525 χ^2/NDF: 81.7/48

All: -1406.584+/-292.868 χ^2/NDF: 136.9/101

- sign -826.069+/-414.833 χ^2/NDF: 51.3/52

asym_sam4_dit_correction_rms vs Slug



Right In: 2918.996+/-0.613 χ^2/NDF: 3547784.4/23

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2884.008+/-0.571 χ^2/NDF: 5126129.3/29

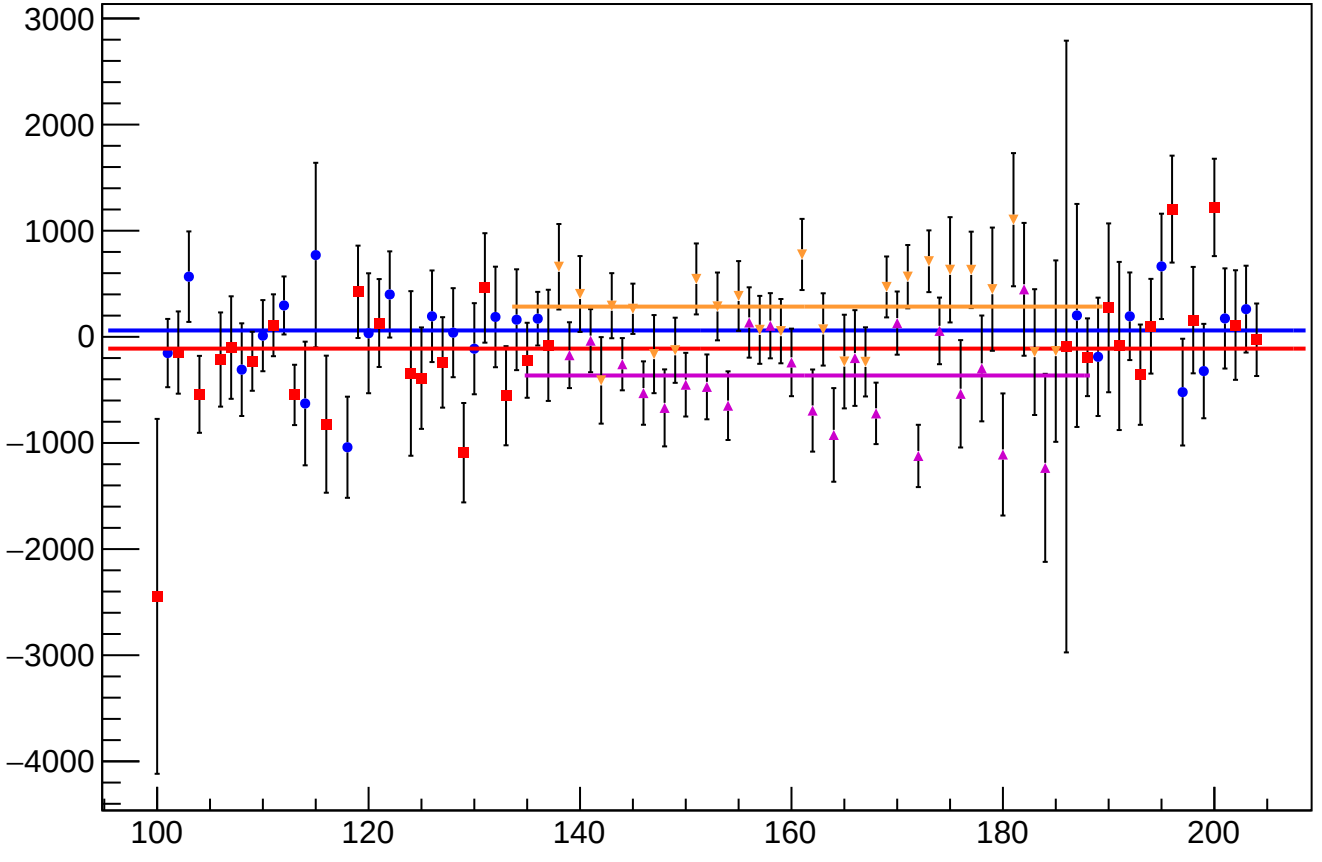
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2242.937+/-0.292 χ^2/NDF: 5976180.4/48

All: 2254.825+/-0.207 χ^2/NDF: 13385532.6/1

- sign 2266.788+/-0.293 χ^2/NDF: 7406036.1/52

eigen_dit_asym_sam4_mean vs Slug



Right In: 60.155+/-86.043 χ^2/NDF: 16.2/23

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -110.949+/-80.092 χ^2/NDF: 33.3/29

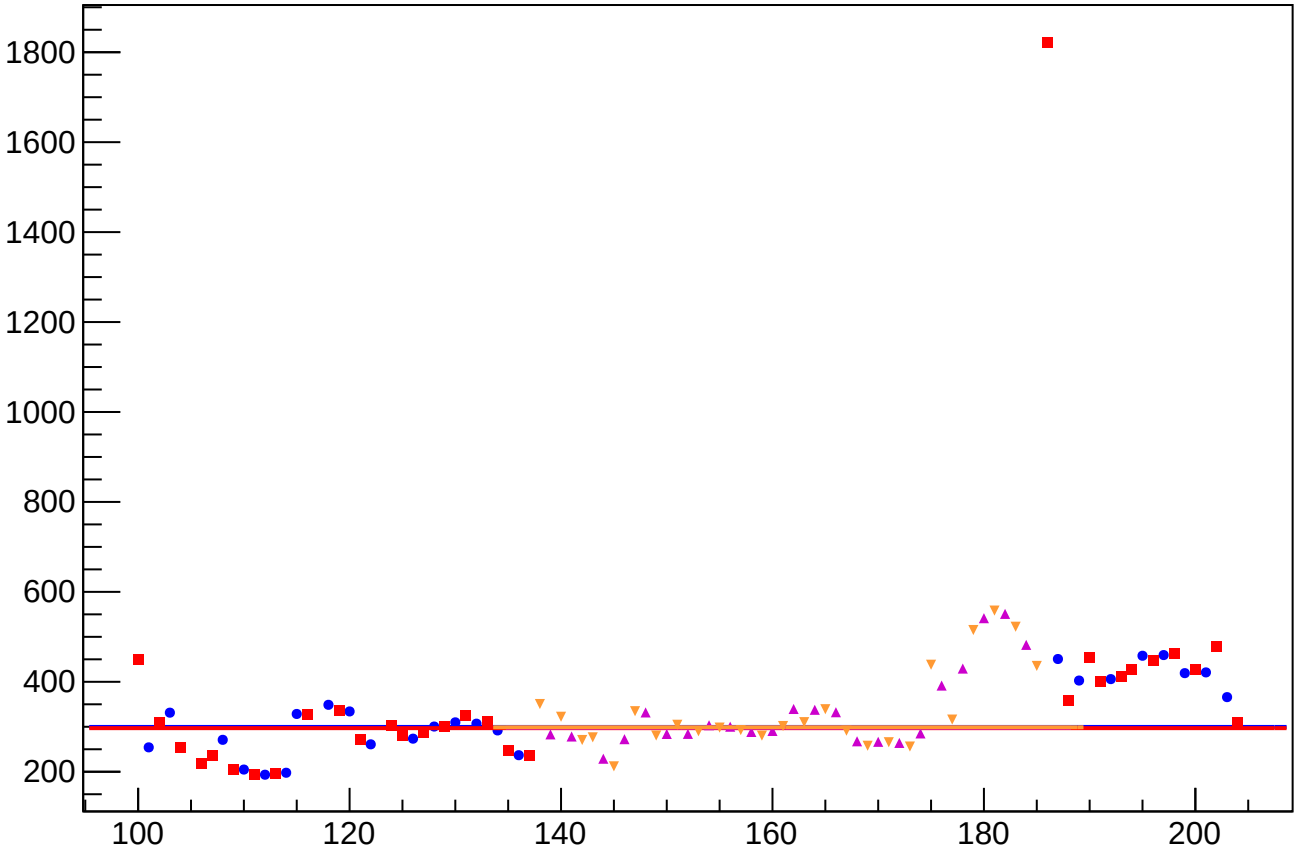
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 195.346+/-54.317 χ^2/NDF: 43.1/48

All: -31.764+/-38.089 χ^2/NDF: 144.5/101

- sign -251.489+/-53.427 χ^2/NDF: 67.0/52

eigen_dit_asym_sam4_rms vs Slug



Right In: 299.616+/-0.061 χ^2/NDF: 1741662.9/23

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 296.944+/-0.057 χ^2/NDF: 2800741.7/29

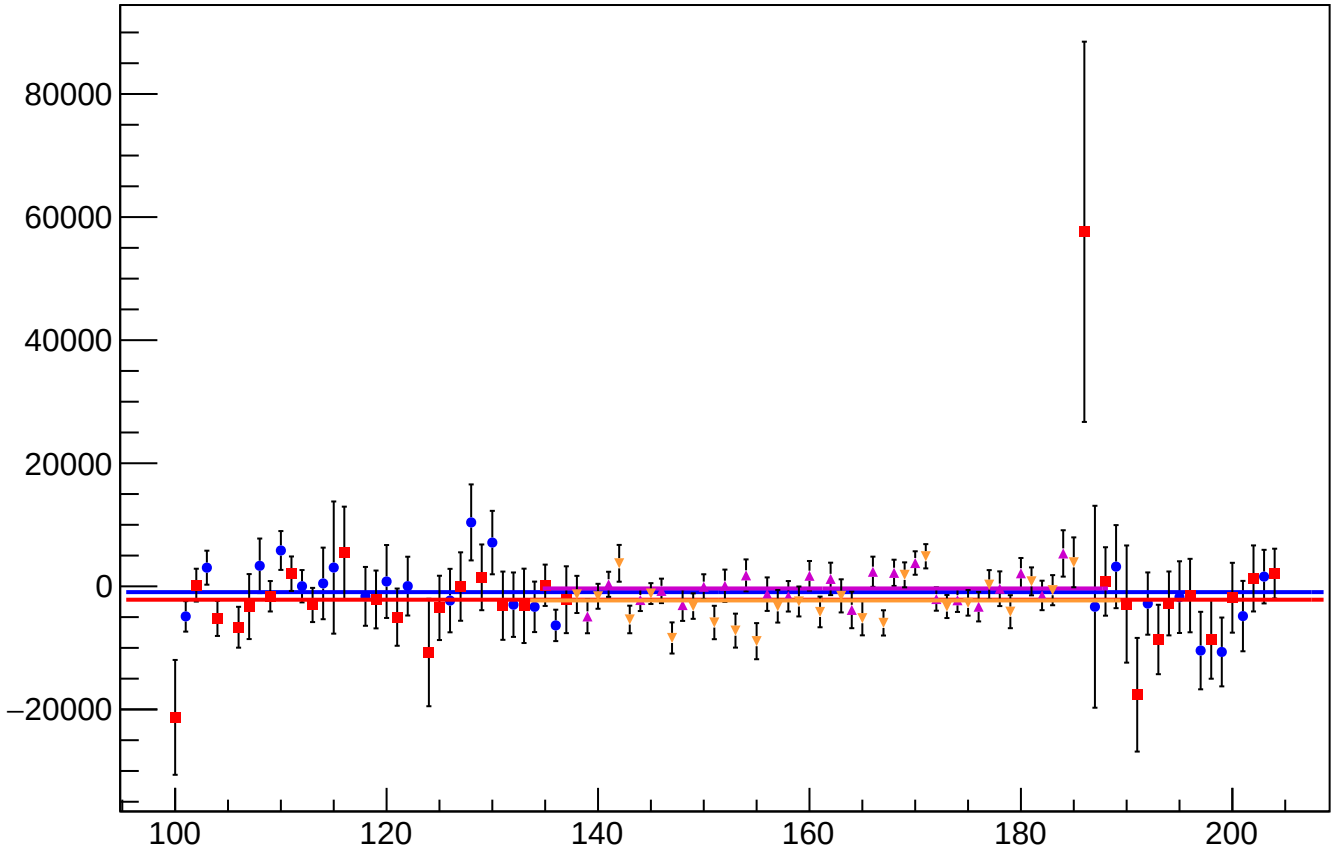
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 299.208+/-0.038 χ^2/NDF: 3354811.9/48

All: 298.323+/-0.027 χ^2/NDF: 7475795.4/101

- sign 297.467+/-0.038 χ^2/NDF: 4119938.6/52

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -939.618+/-866.826 χ^2/NDF: 28.1/23

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -2172.582+/-807.078 χ^2/NDF: 24.7/29

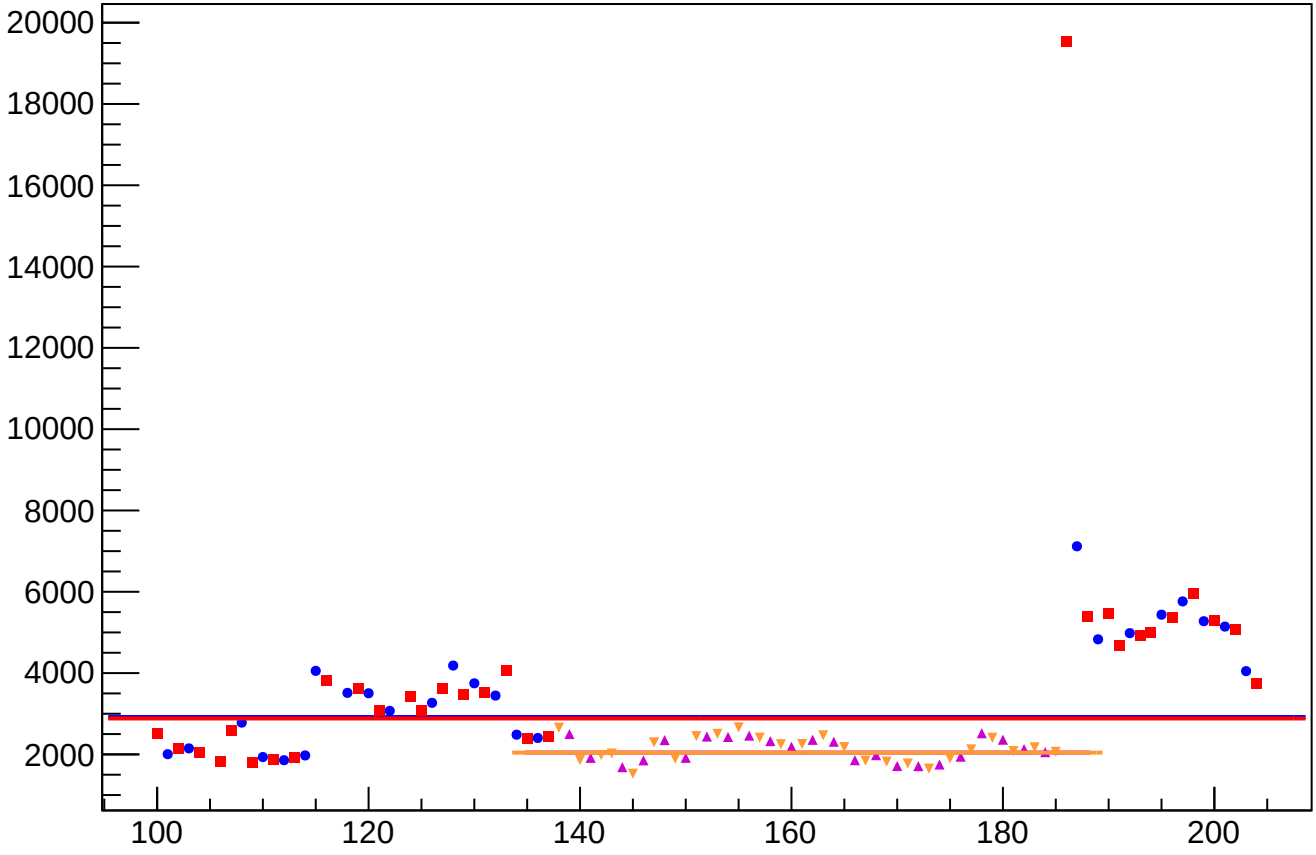
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -1983.439+/-413.525 χ^2/NDF: 81.7/48

All: -1406.581+/-292.867 χ^2/NDF: 136.9/101

- sign -826.066+/-414.833 χ^2/NDF: 51.3/52

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2918.994+/-0.613 χ^2/NDF: 3547782.1/23

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2884.006+/-0.571 χ^2/NDF: 5126123.9/29

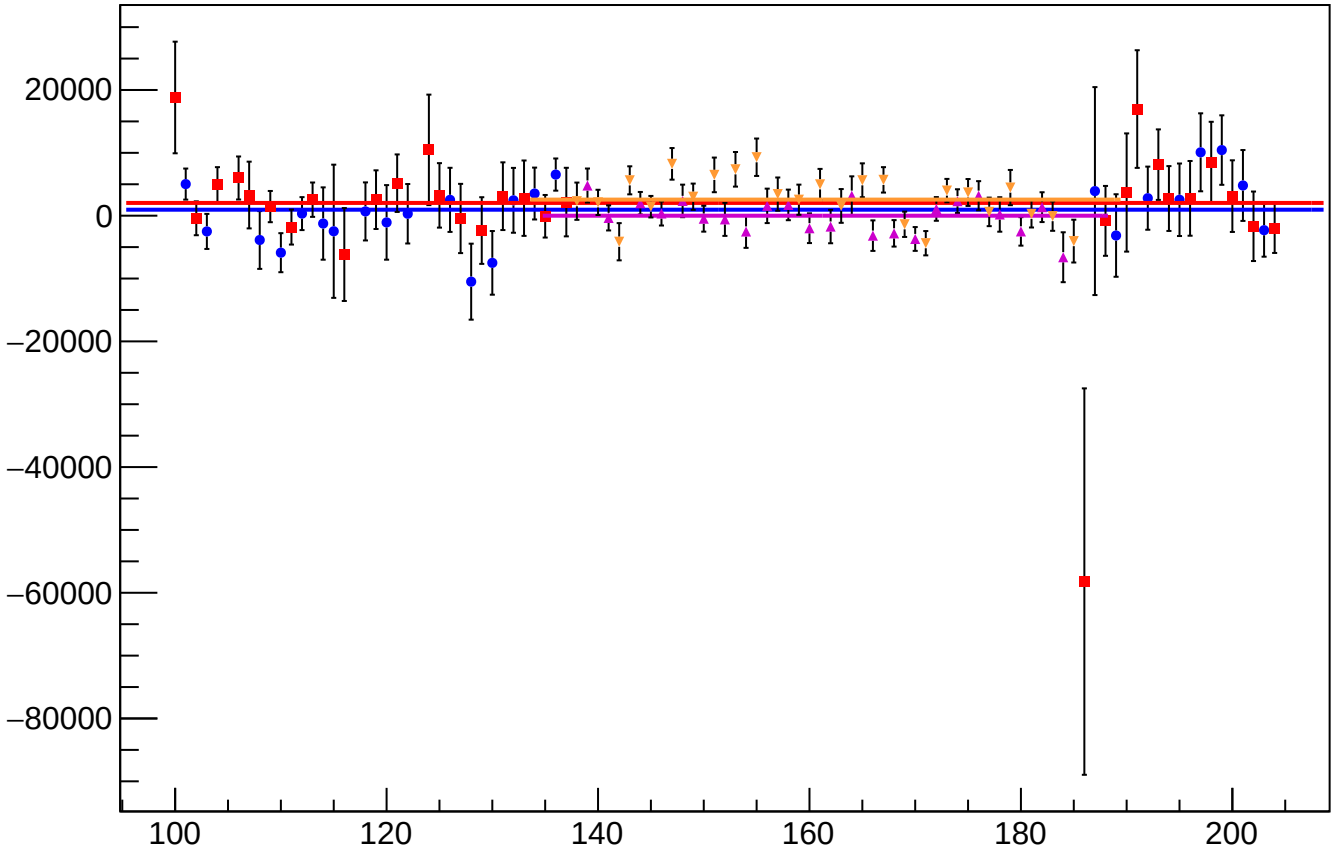
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2242.934+/-0.292 χ^2/NDF: 5976186.9/48

All: 2254.822+/-0.207 χ^2/NDF: 13385537.8/1

- sign 2266.785+/-0.293 χ^2/NDF: 7406034.7/52

asym_sam4_mean vs Slug



Right In: 951.279+/-862.418 χ^2/NDF: 29.2/23

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 2029.001+/-805.688 χ^2/NDF: 23.3/29

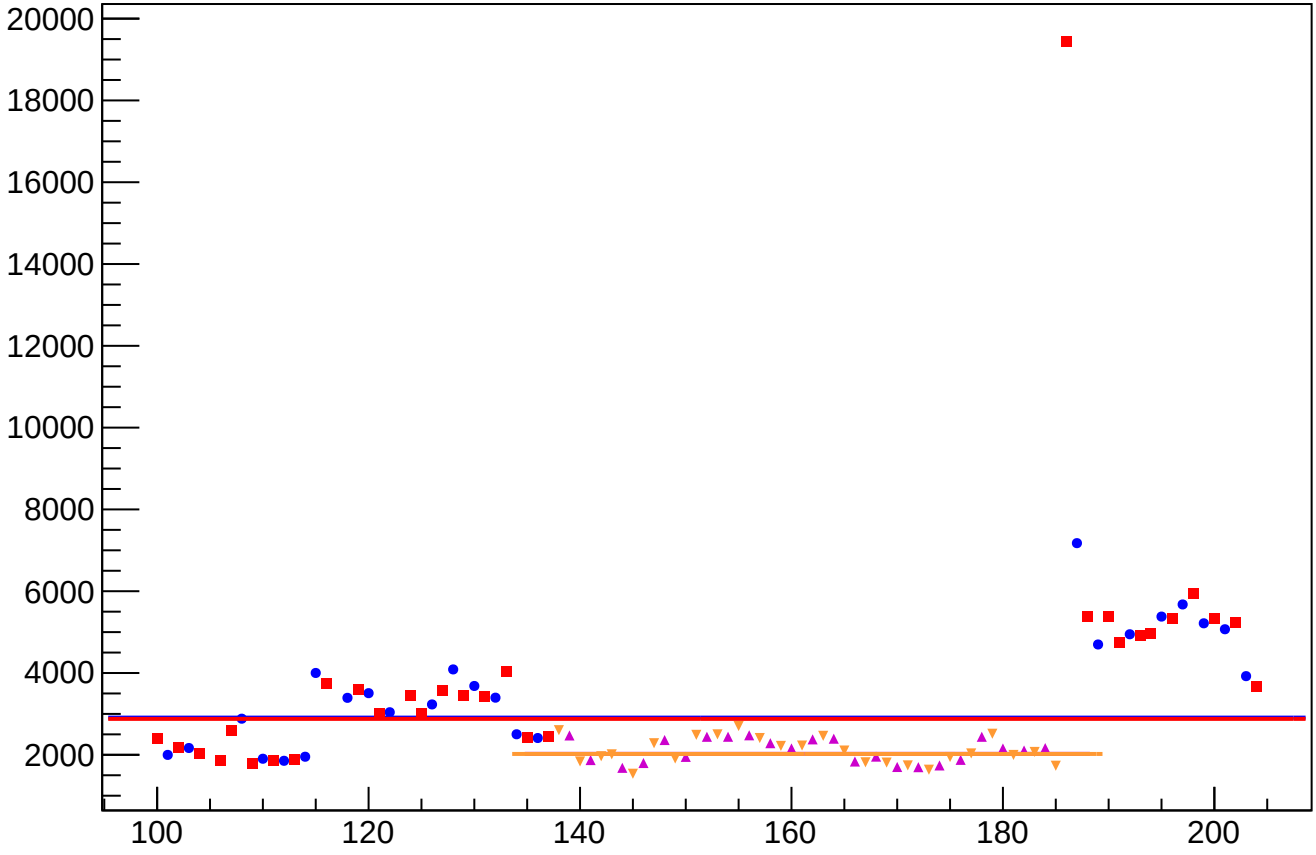
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2195.780+/-409.939 χ^2/NDF: 84.5/48

All: 1364.159+/-290.394 χ^2/NDF: 145.4/101

- sign 526.514+/-411.422 χ^2/NDF: 52.6/52

asym_sam4_rms vs Slug



Right In: 2909.351+/-0.610 χ^2/NDF: 3444914.5/23

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

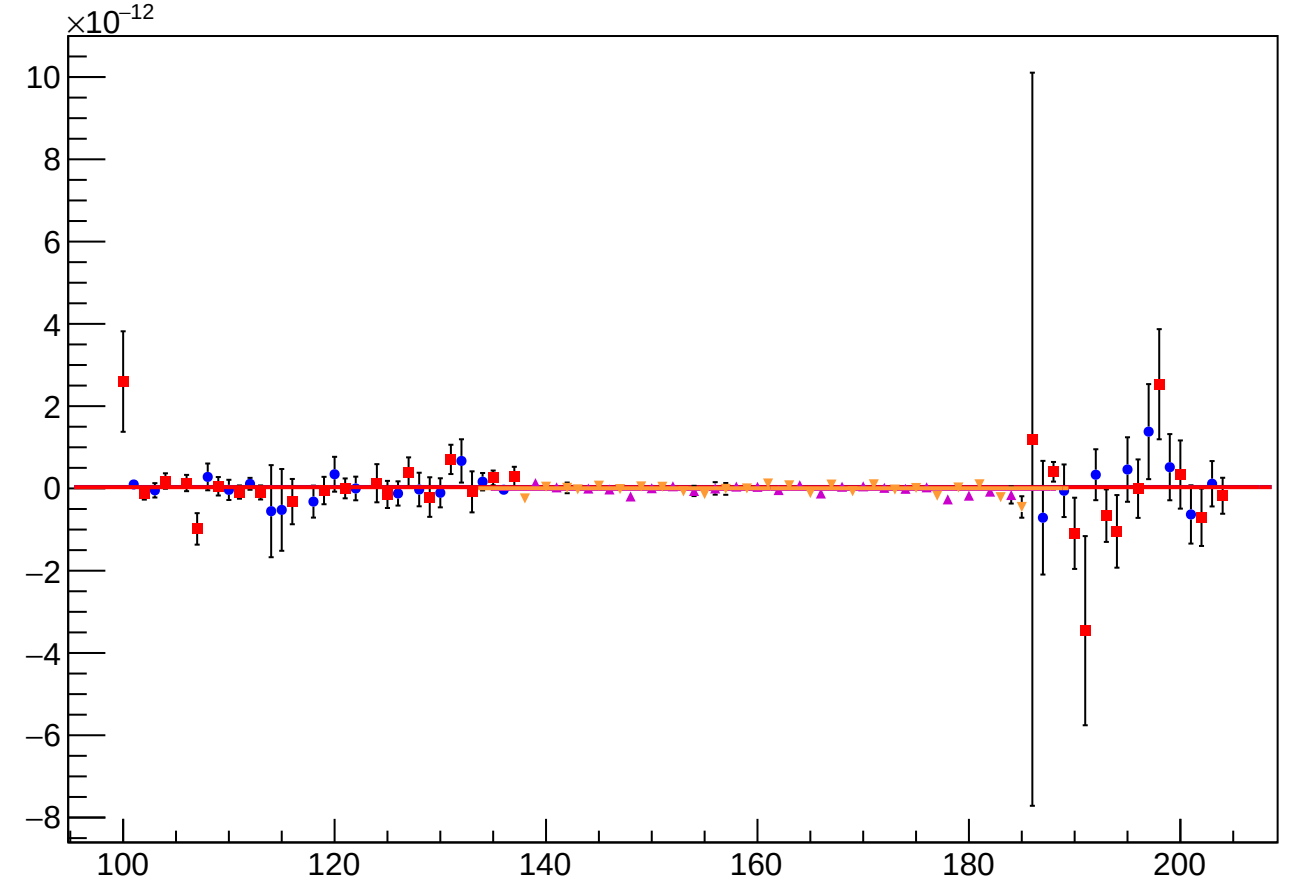
Right Out: 2878.800+/-0.570 χ^2/NDF: 5100860.8/29

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2221.925+/-0.290 χ^2/NDF: 5967916.3/48

All: 2234.102+/-0.205 χ^2/NDF: 13435388.2/1

- sign 2246.368+/-0.291 χ^2/NDF: 7463929.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

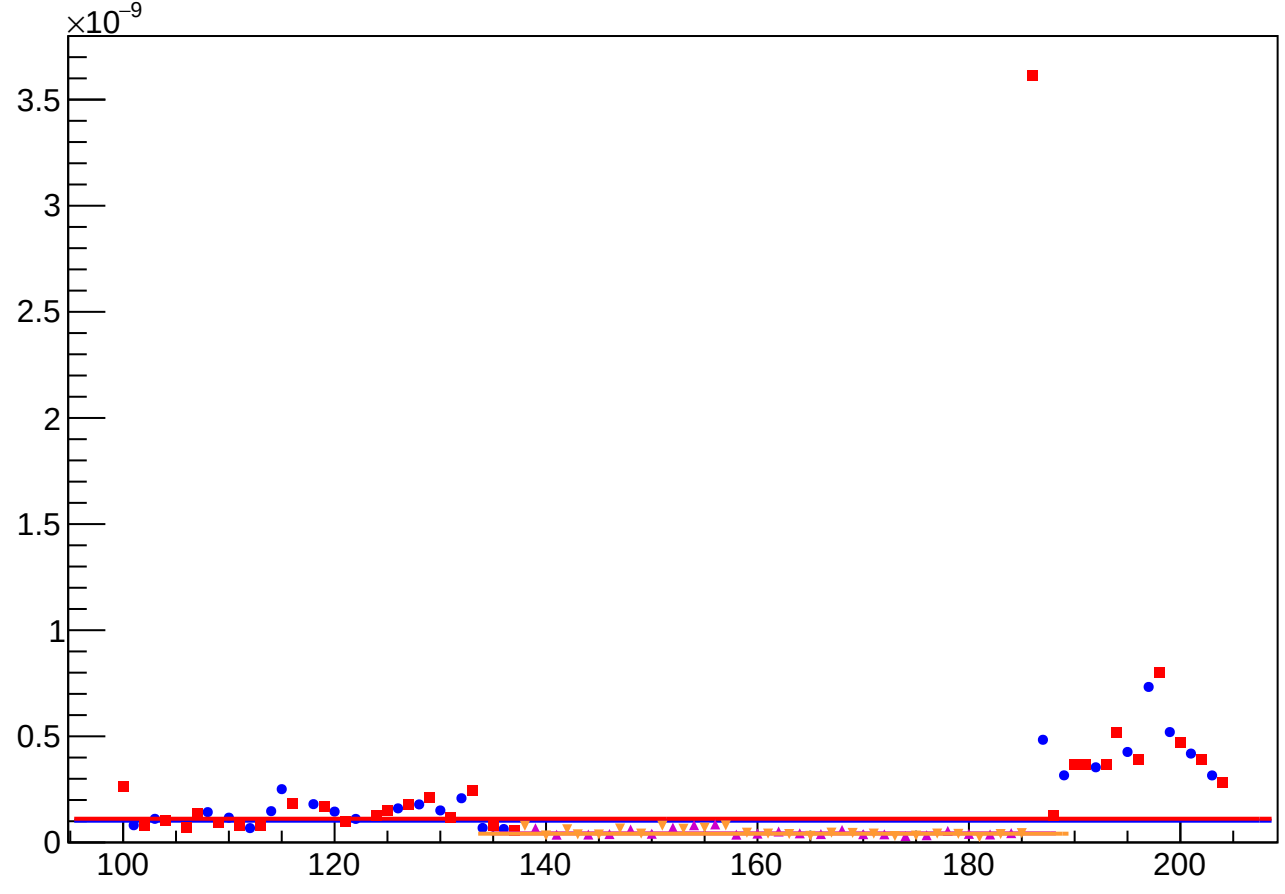
Right Out: 0.000+/-0.000 χ^2/NDF: 37.2/29

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.0/48

All: -0.000+/-0.000 χ^2/NDF: 101.1/101

- sign -0.000+/-0.000 χ^2/NDF: 58.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 3911859.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4086622.1/29

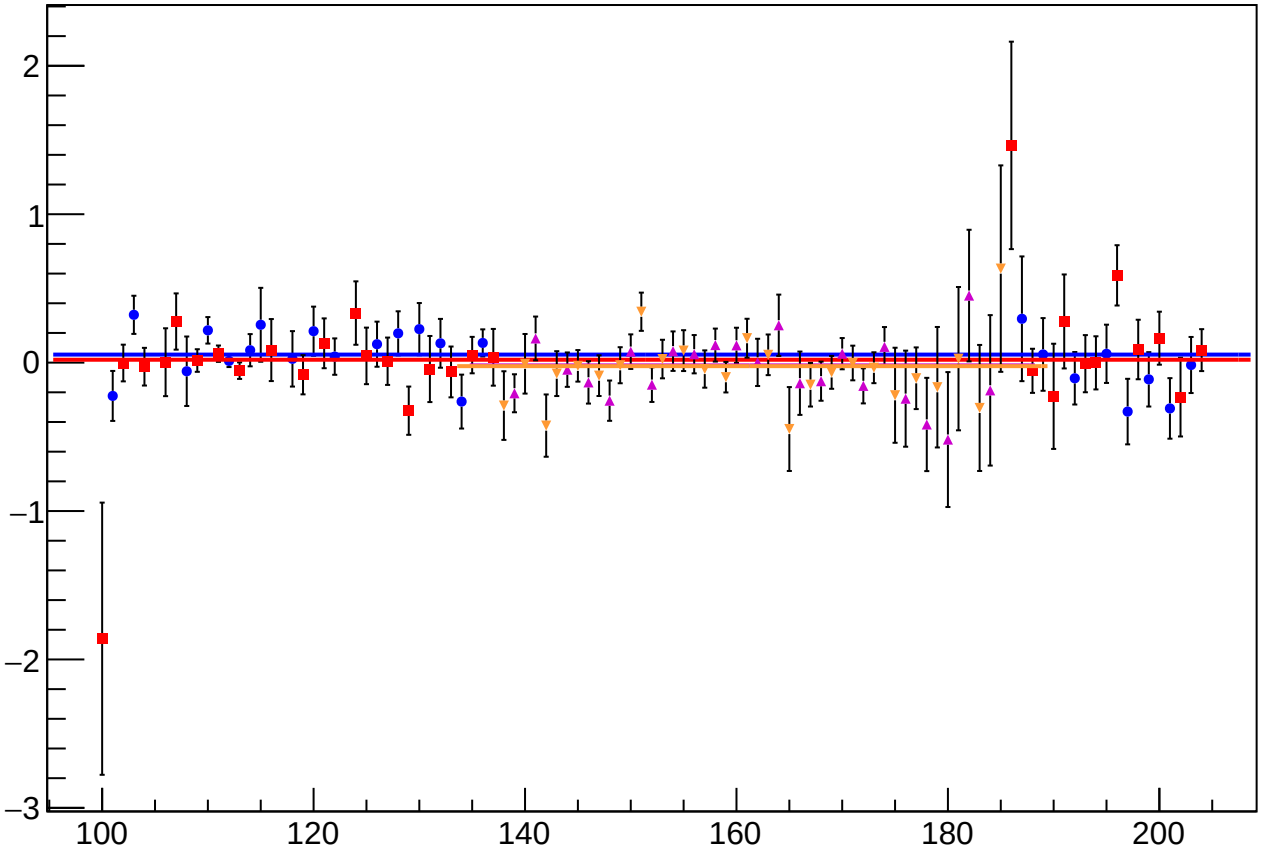
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7723558.7/48

All: 0.000+/-0.000 χ^2/NDF: 15816557.8/101

- sign 0.000+/-0.000 χ^2/NDF: 8063325.6/52

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.054+/-0.025 χ^2/NDF: 27.8/23

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

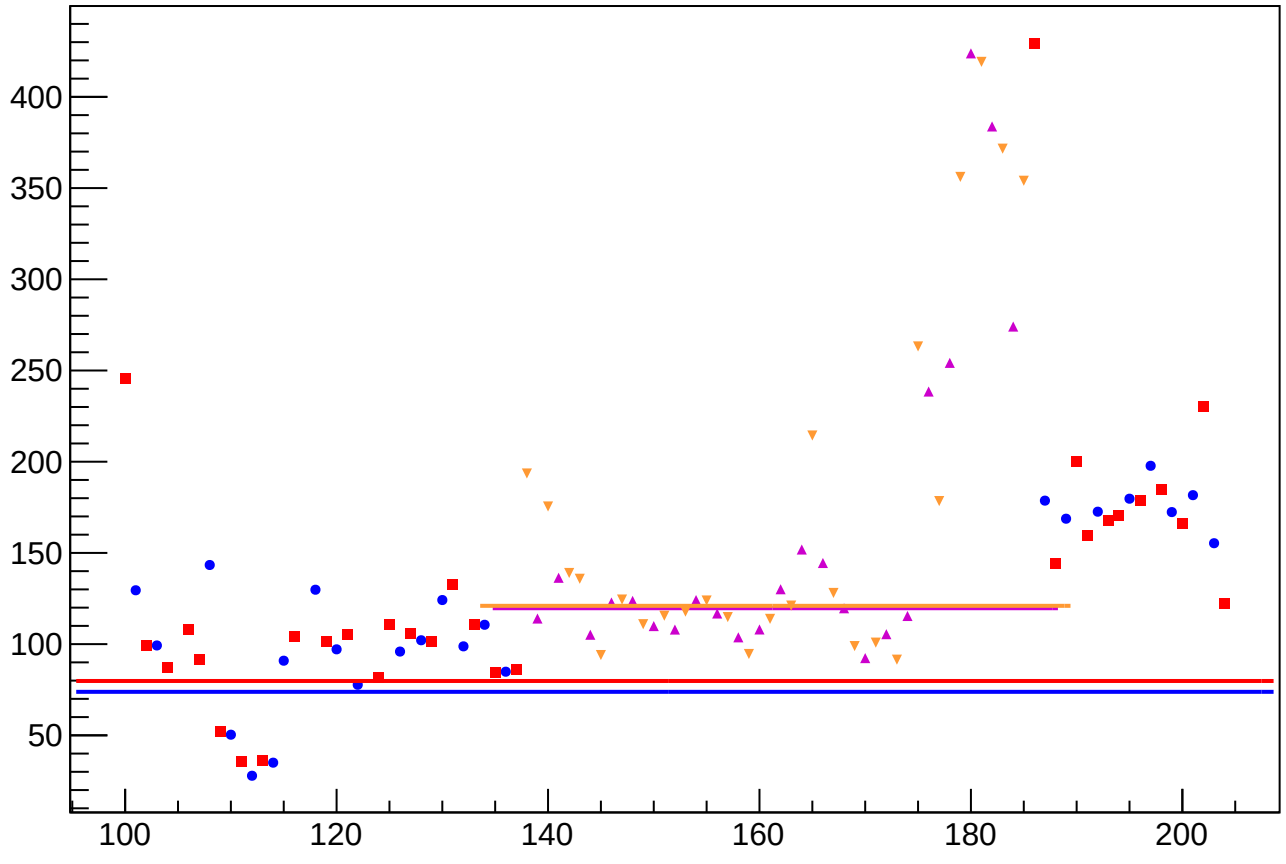
Right Out: 0.019+/-0.025 χ^2/NDF: 32.1/29

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.022+/-0.019 χ^2/NDF: 53.9/48

All: 0.013+/-0.014 χ^2/NDF: 110.4/101

- sign 0.004+/-0.019 χ^2/NDF: 56.1/52



Right In: 73.850+/-0.018 χ^2/NDF: 7803247.6/23

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 79.797+/-0.017 χ^2/NDF: 7862844.1/29

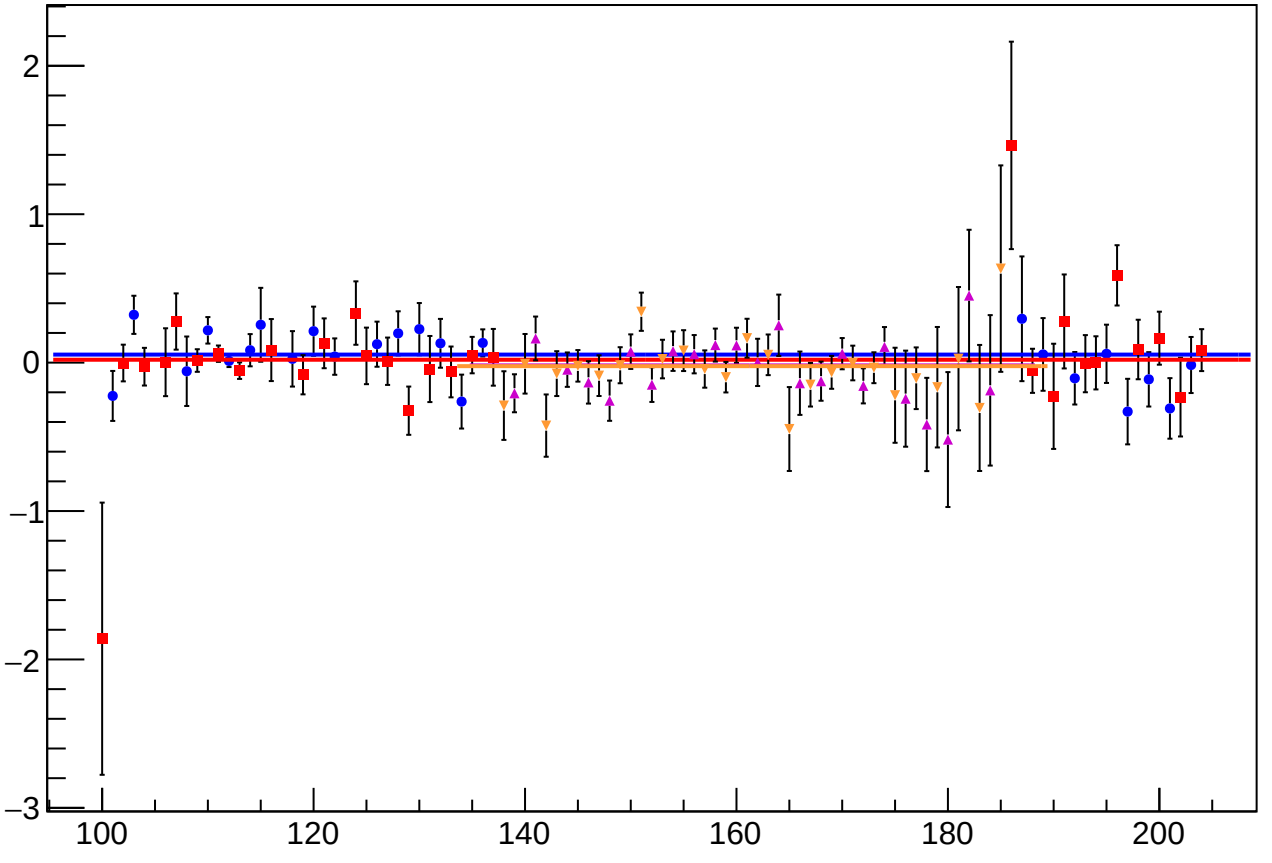
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 93.588+/-0.014 χ^2/NDF: 14789206.7/48

All: 94.640+/-0.010 χ^2/NDF: 27598986.1/101

- sign 95.661+/-0.013 χ^2/NDF: 12798127.7/52

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.054+/-0.025 χ^2/NDF: 27.8/23

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.019+/-0.025 χ^2/NDF: 32.1/29

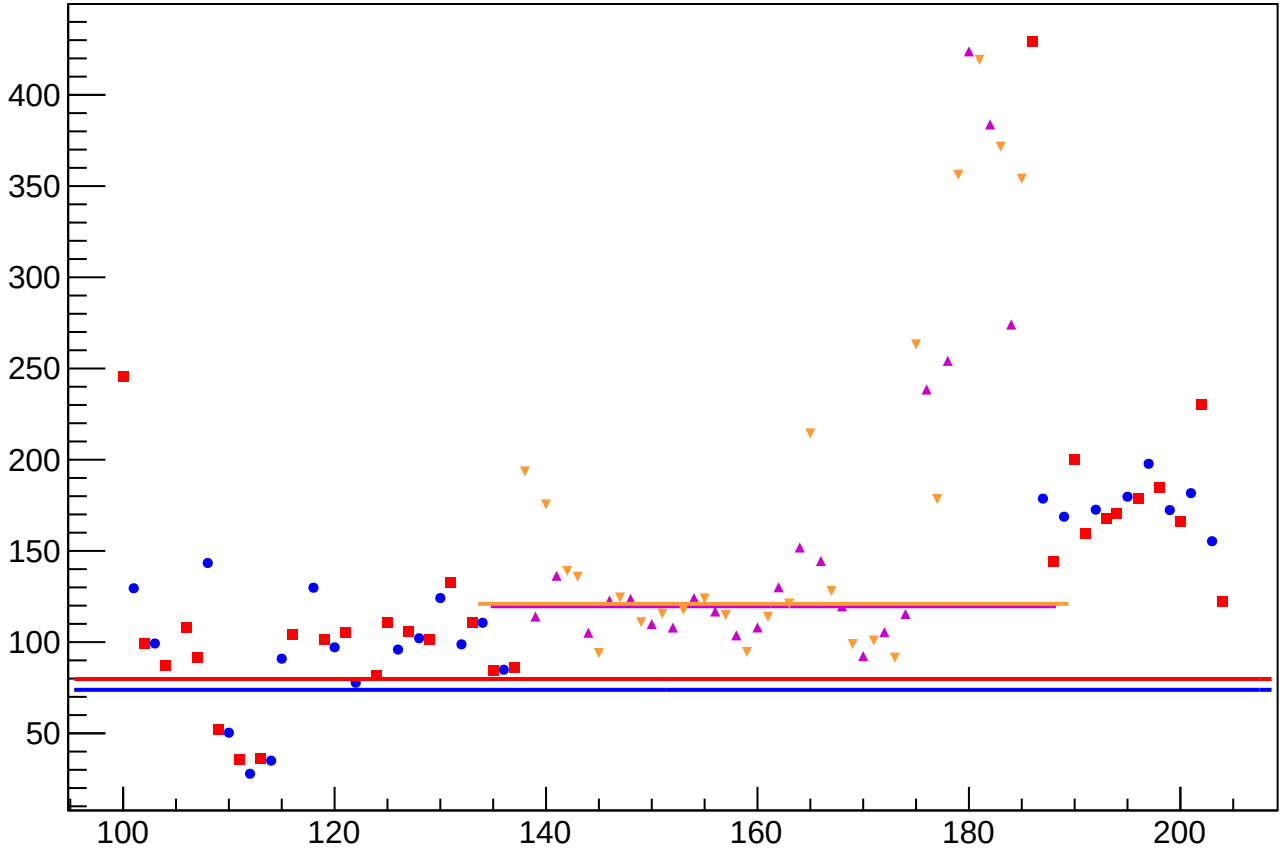
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.022+/-0.019 χ^2/NDF: 53.9/48

All: 0.013+/-0.014 χ^2/NDF: 110.4/101

- sign 0.004+/-0.019 χ^2/NDF: 56.1/52

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.850+/-0.018 χ^2/NDF: 7803247.6/23

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

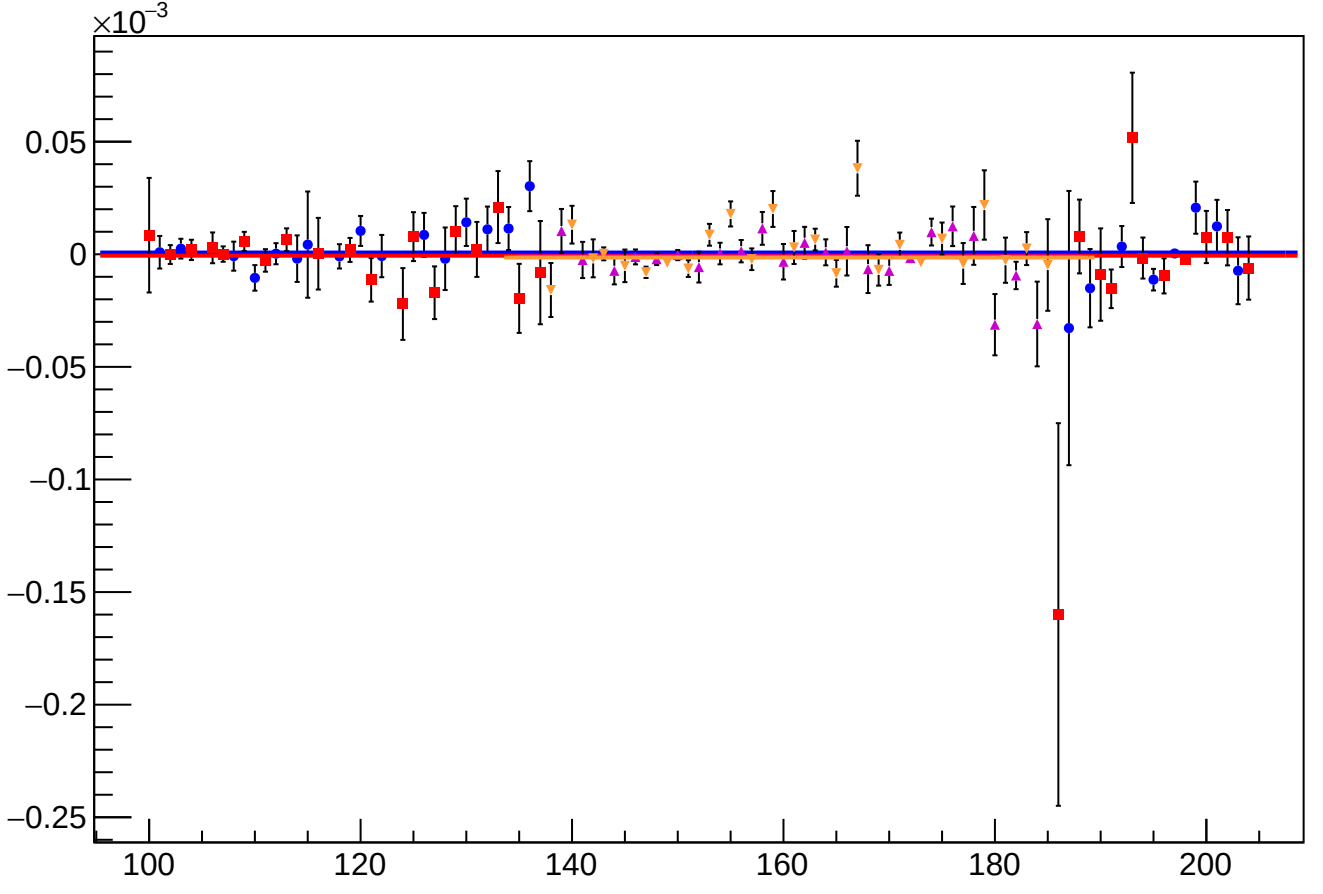
Right Out: 79.797+/-0.017 χ^2/NDF: 7862844.1/29

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 93.588+/-0.014 χ^2/NDF: 14789206.7/48

All: 94.640+/-0.010 χ^2/NDF: 27598986.1/101

- sign 95.661+/-0.013 χ^2/NDF: 12798127.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 29.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/29

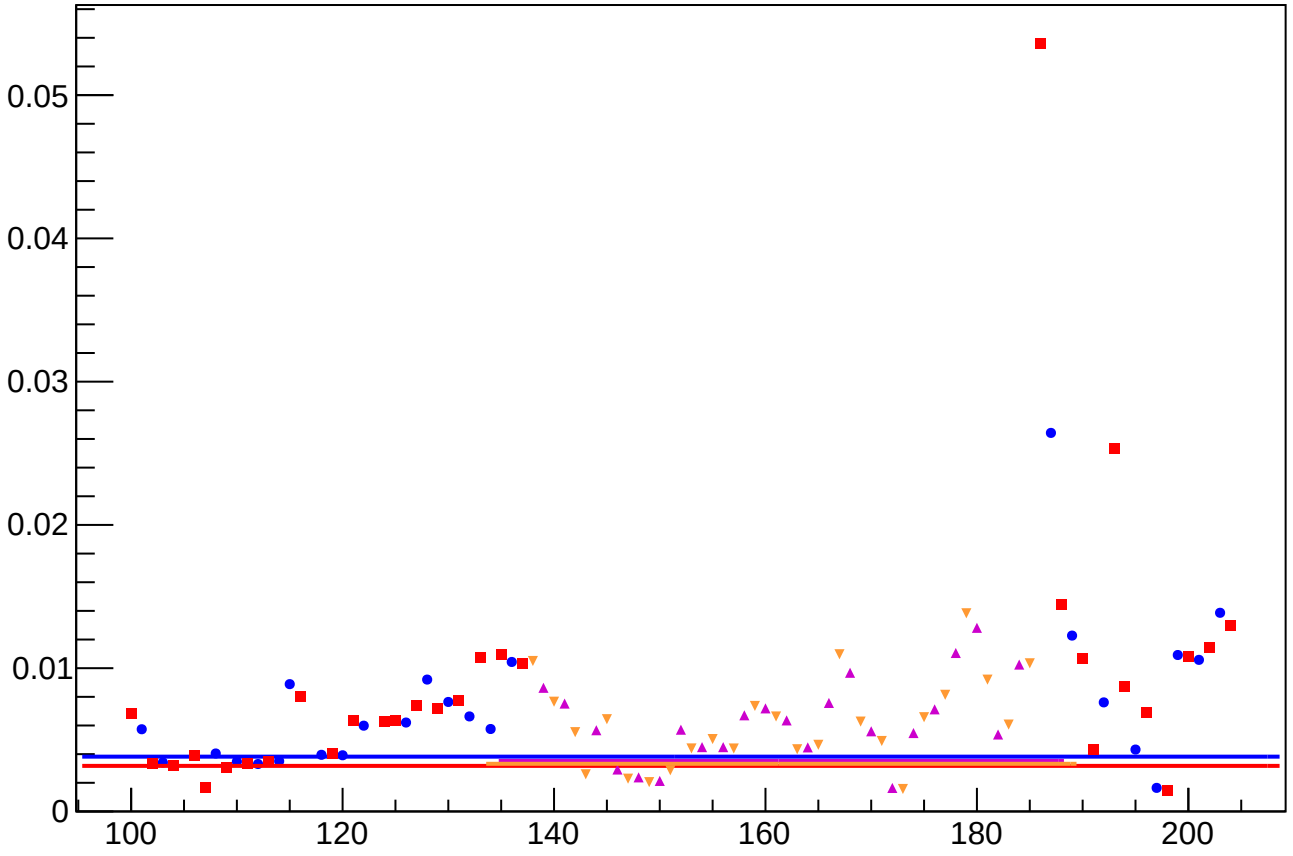
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 92.3/48

All: -0.000+/-0.000 χ^2/NDF: 145.9/101

- sign -0.000+/-0.000 χ^2/NDF: 53.6/52

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 7471388.2/23

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12322047.2/29

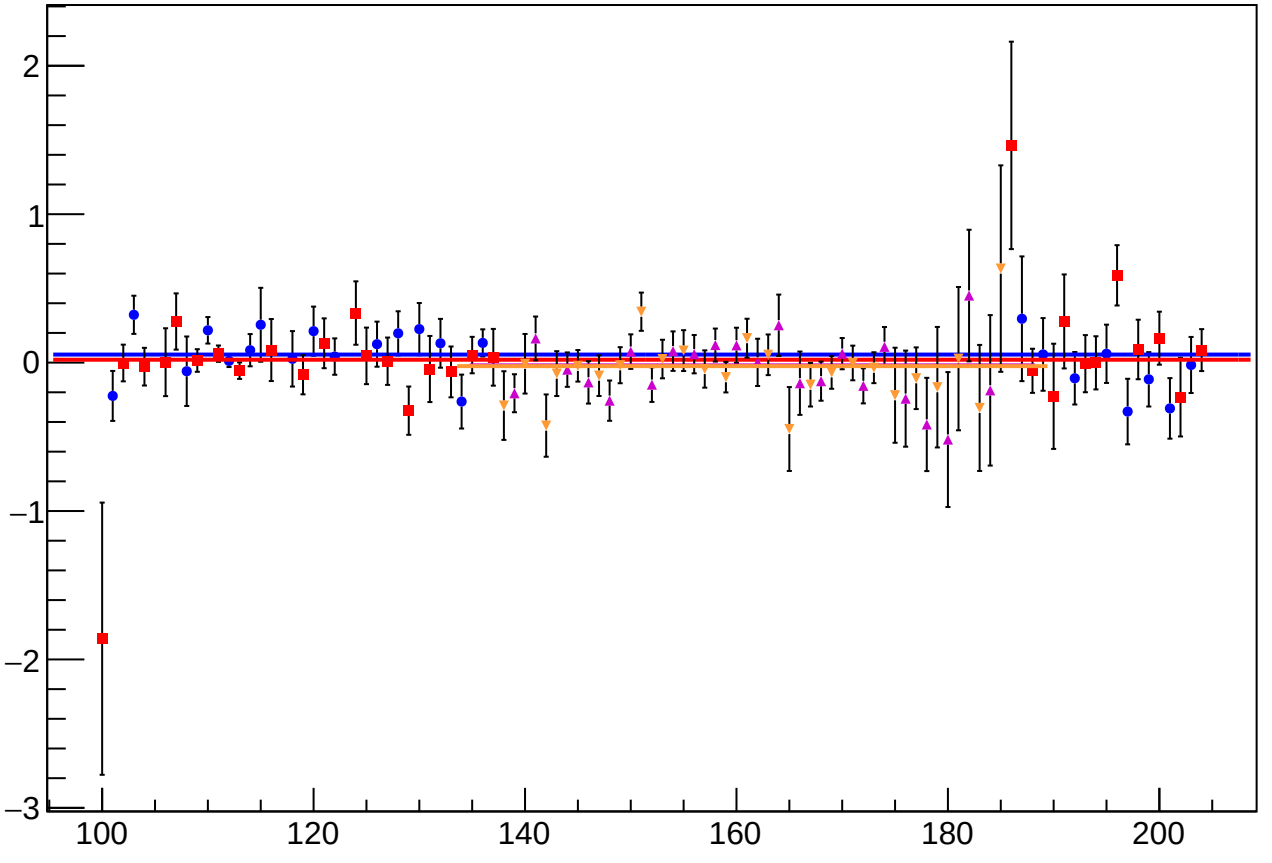
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 18156891.9/48

All: 0.003+/-0.000 χ^2/NDF: 40043475.7/101

- sign 0.003+/-0.000 χ^2/NDF: 21858403.5/52

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.054+/-0.025 χ^2/NDF: 27.8/23

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.019+/-0.025 χ^2/NDF: 32.1/29

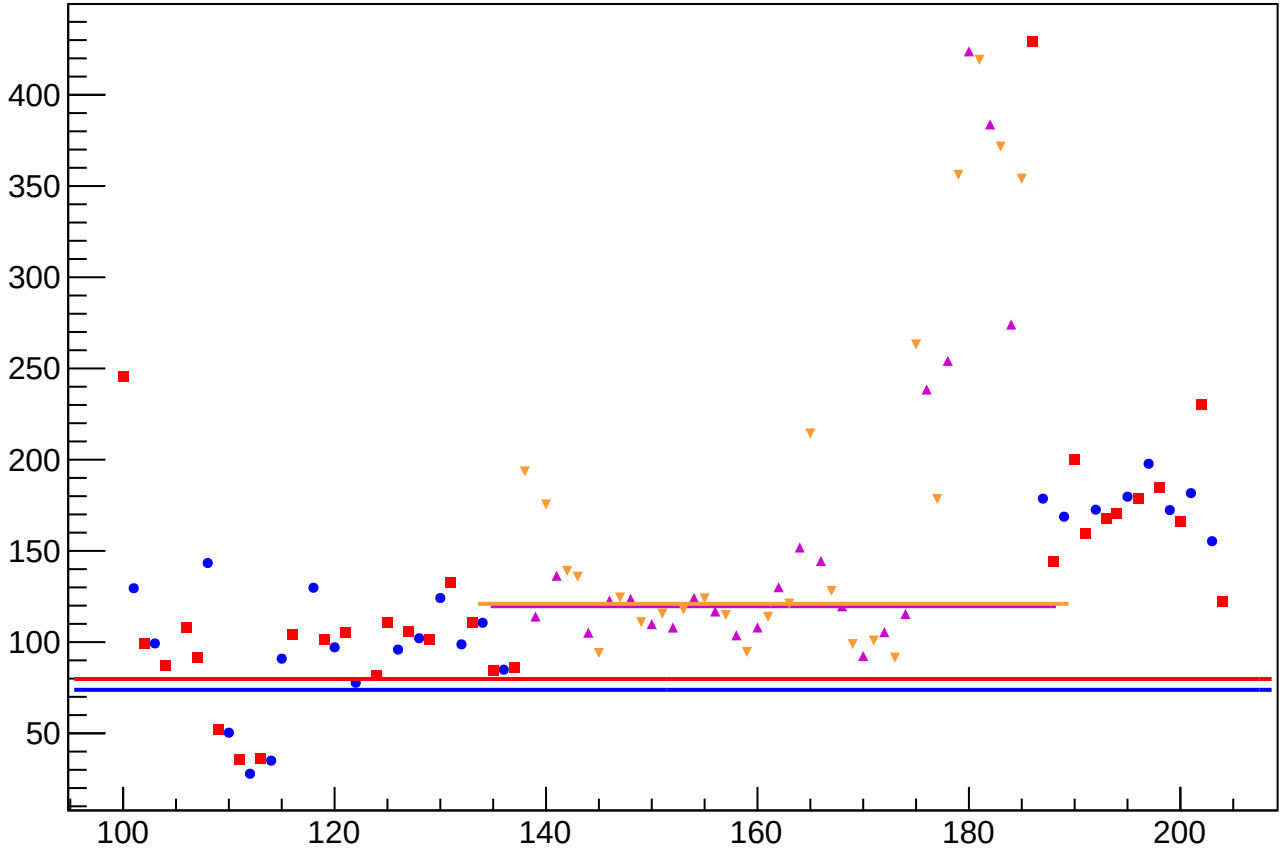
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.022+/-0.019 χ^2/NDF: 53.9/48

All: 0.013+/-0.014 χ^2/NDF: 110.4/101

- sign 0.004+/-0.019 χ^2/NDF: 56.1/52

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 73.848+/-0.018 χ^2/NDF: 7803616.4/23

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

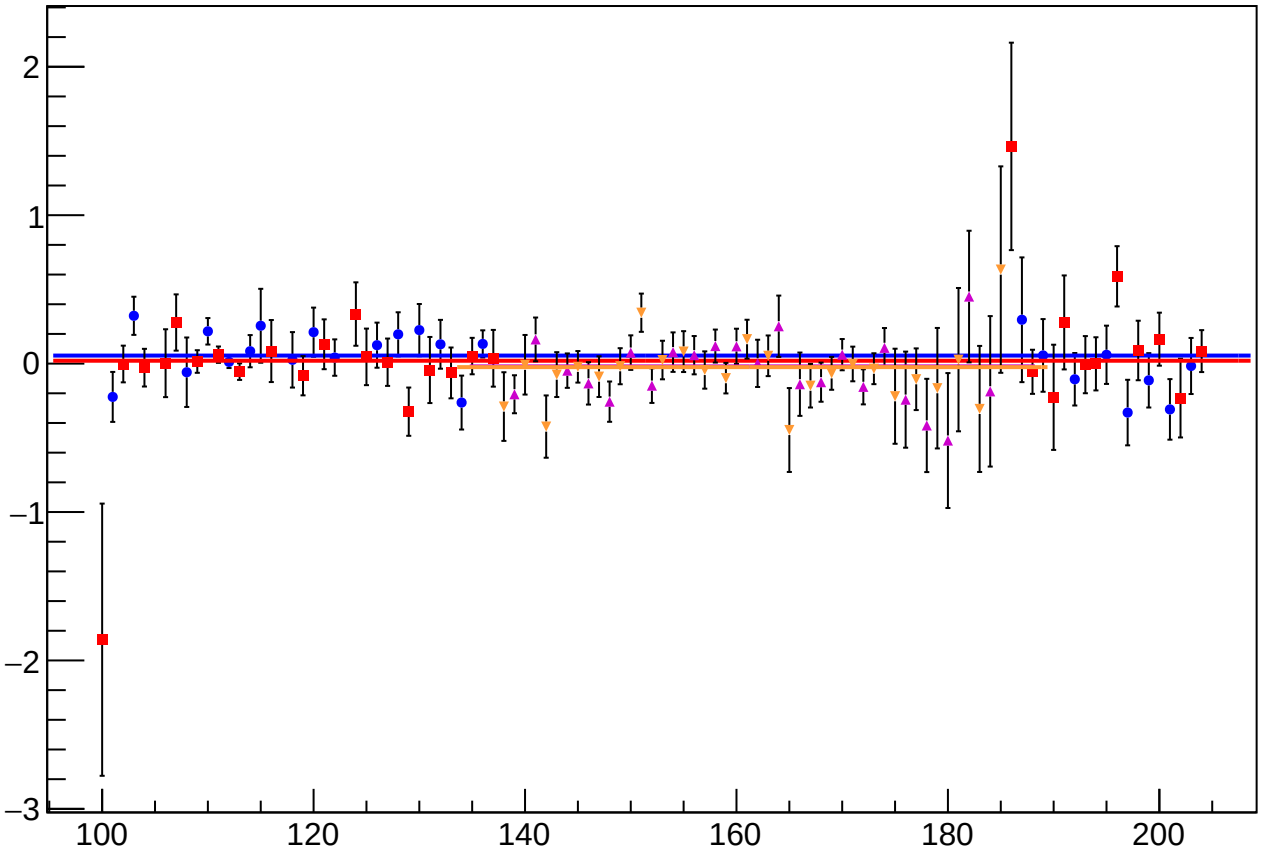
Right Out: 79.795+/-0.017 χ^2/NDF: 7863293.5/29

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 93.586+/-0.014 χ^2/NDF: 14789951.6/48

All: 94.638+/-0.010 χ^2/NDF: 27600435.4/101

- sign 95.660+/-0.013 χ^2/NDF: 12798827.9/52



Right In: 0.054+/-0.025 χ^2/NDF: 27.8/23

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

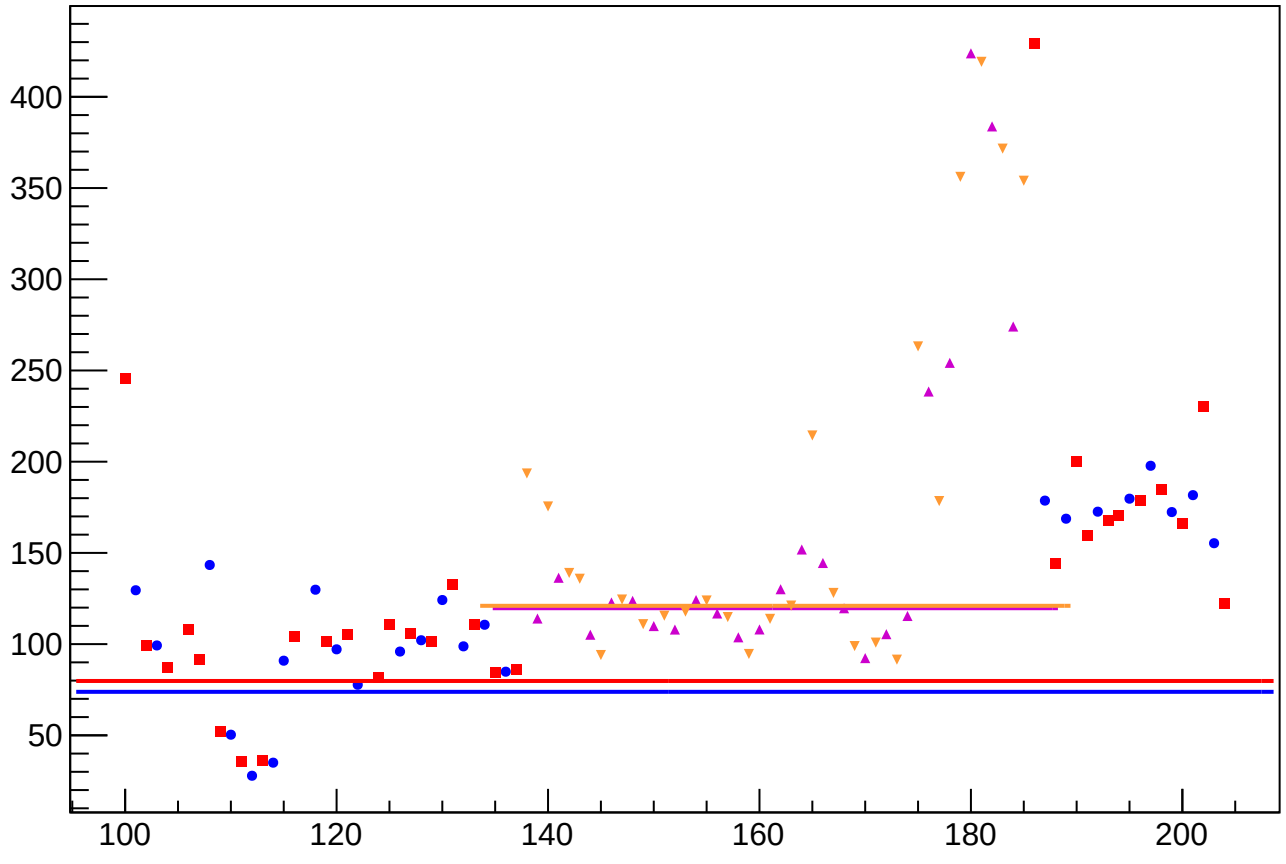
Right Out: 0.019+/-0.025 χ^2/NDF: 32.1/29

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.022+/-0.019 χ^2/NDF: 53.9/48

All: 0.013+/-0.014 χ^2/NDF: 110.4/101

- sign 0.004+/-0.019 χ^2/NDF: 56.1/52



Right In: 73.848+/-0.018 χ^2/NDF: 7803616.4/23

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 79.795+/-0.017 χ^2/NDF: 7863293.5/29

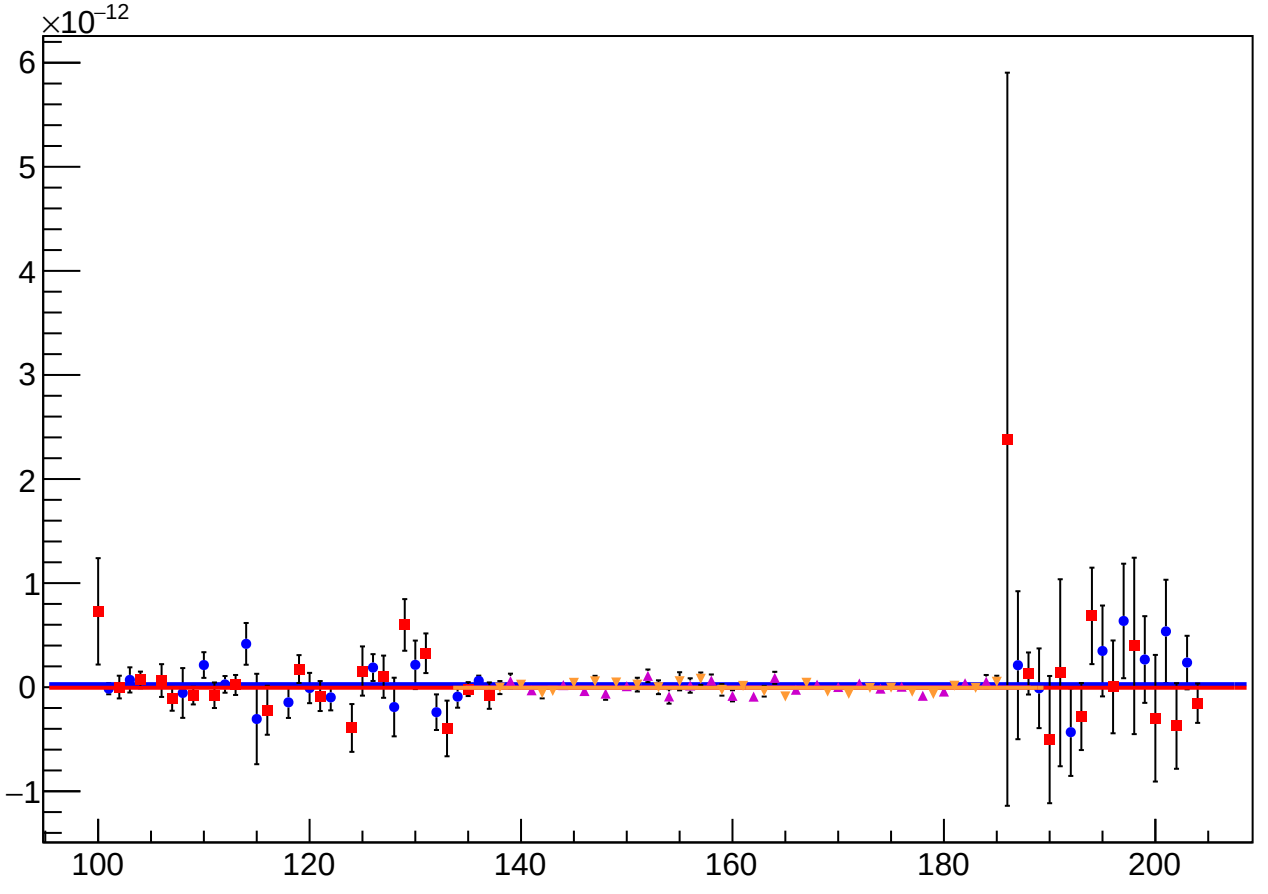
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 93.586+/-0.014 χ^2/NDF: 14789951.6/48

All: 94.638+/-0.010 χ^2/NDF: 27600435.4/101

- sign 95.660+/-0.013 χ^2/NDF: 12798827.9/52

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

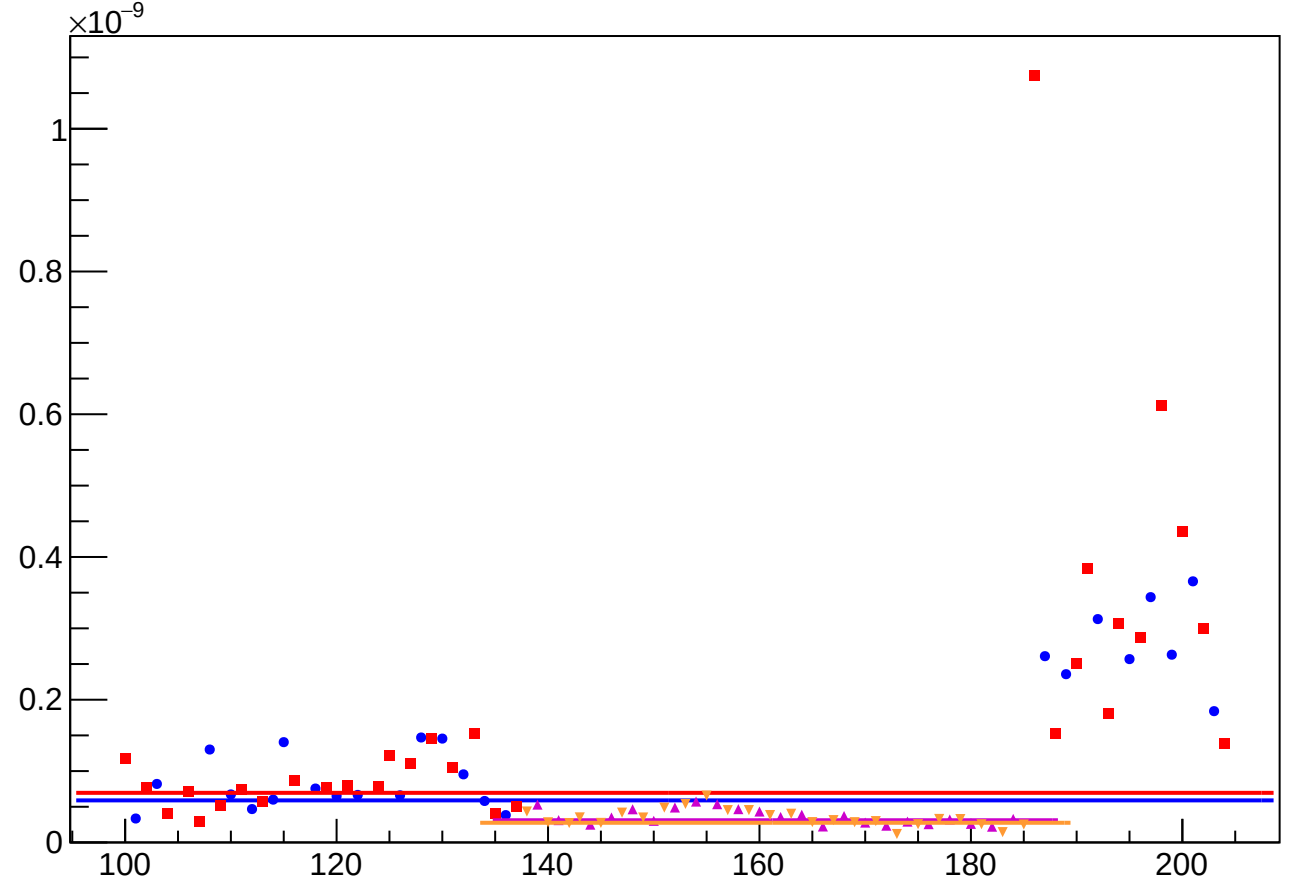
Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/29

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.8/48

All: -0.000+/-0.000 χ^2/NDF: 103.0/101

- sign -0.000+/-0.000 χ^2/NDF: 57.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 5751800.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6350995.4/29

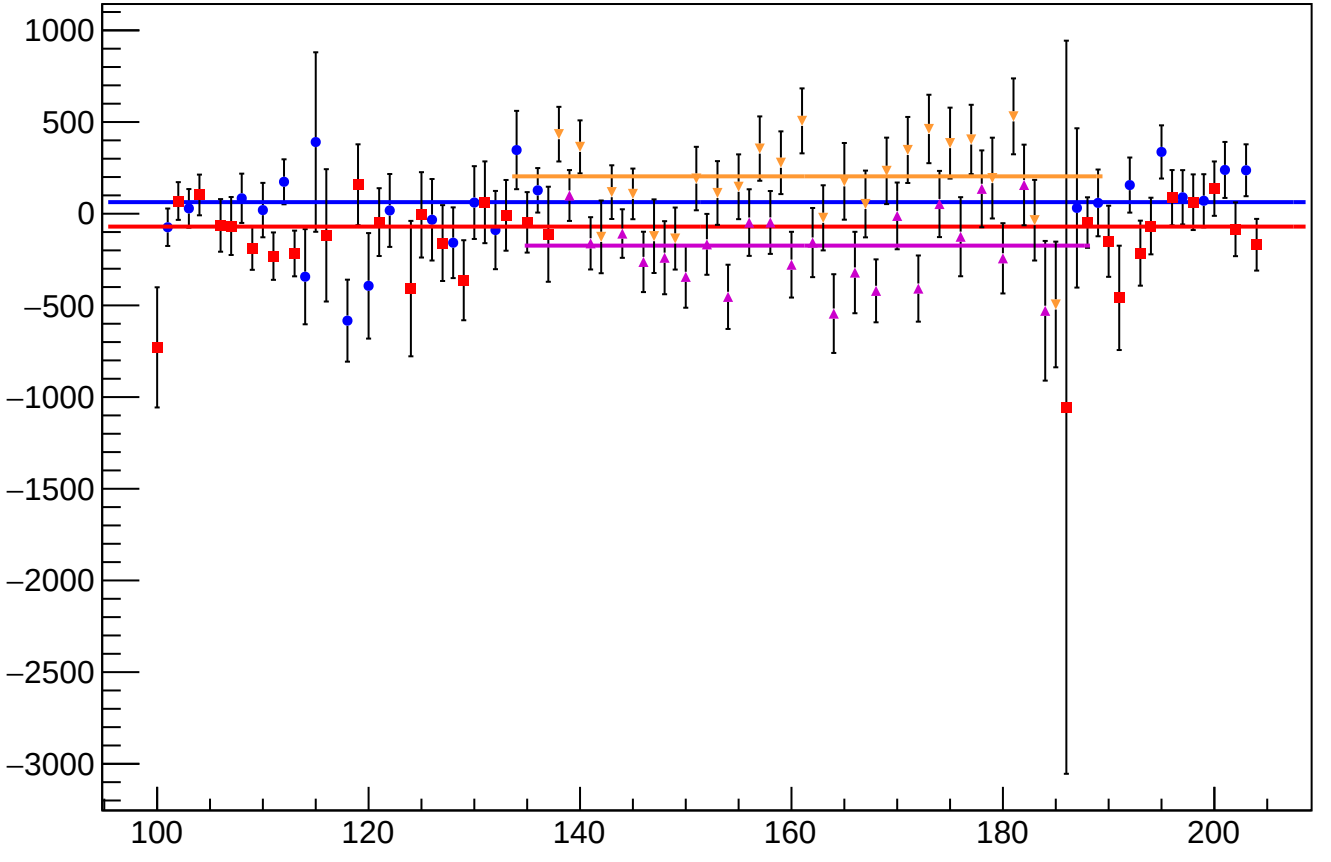
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12142428.2/48

All: 0.000+/-0.000 χ^2/NDF: 24156201.6/101

- sign 0.000+/-0.000 χ^2/NDF: 11731736.3/52

reg_asym_sam5_mean vs Slug



Right In: 63.159+/-32.835 χ^2/NDF: 27.5/23

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -70.275+/-30.270 χ^2/NDF: 24.0/29

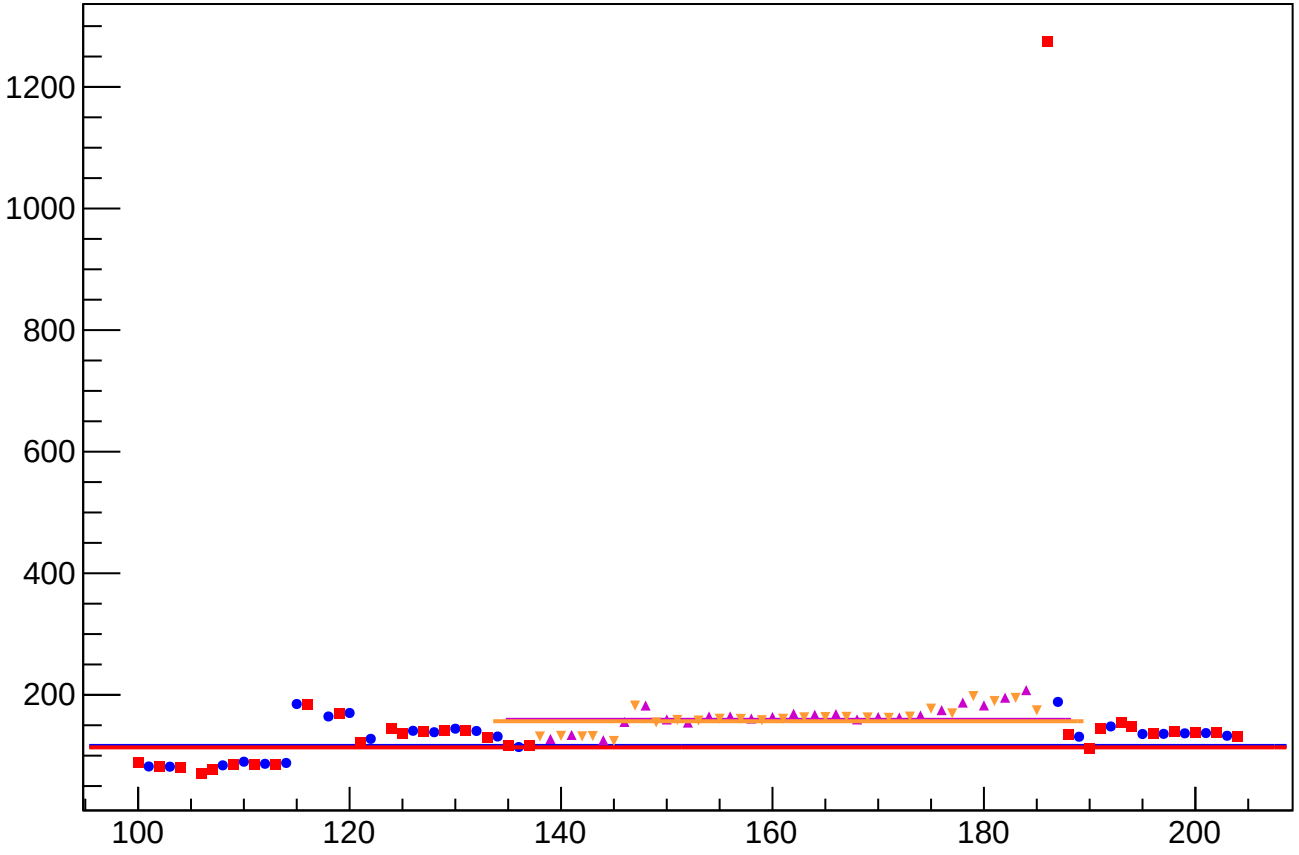
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 127.246+/-24.222 χ^2/NDF: 68.8/48

All: 4.512+/-16.878 χ^2/NDF: 171.9/101

- sign -111.312+/-23.531 χ^2/NDF: 53.2/52

reg_asym_sam5_rms vs Slug



Right In: 115.987+/-0.023 χ^2/NDF: 1423956.1/23

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 113.624+/-0.021 χ^2/NDF: 2523488.8/29

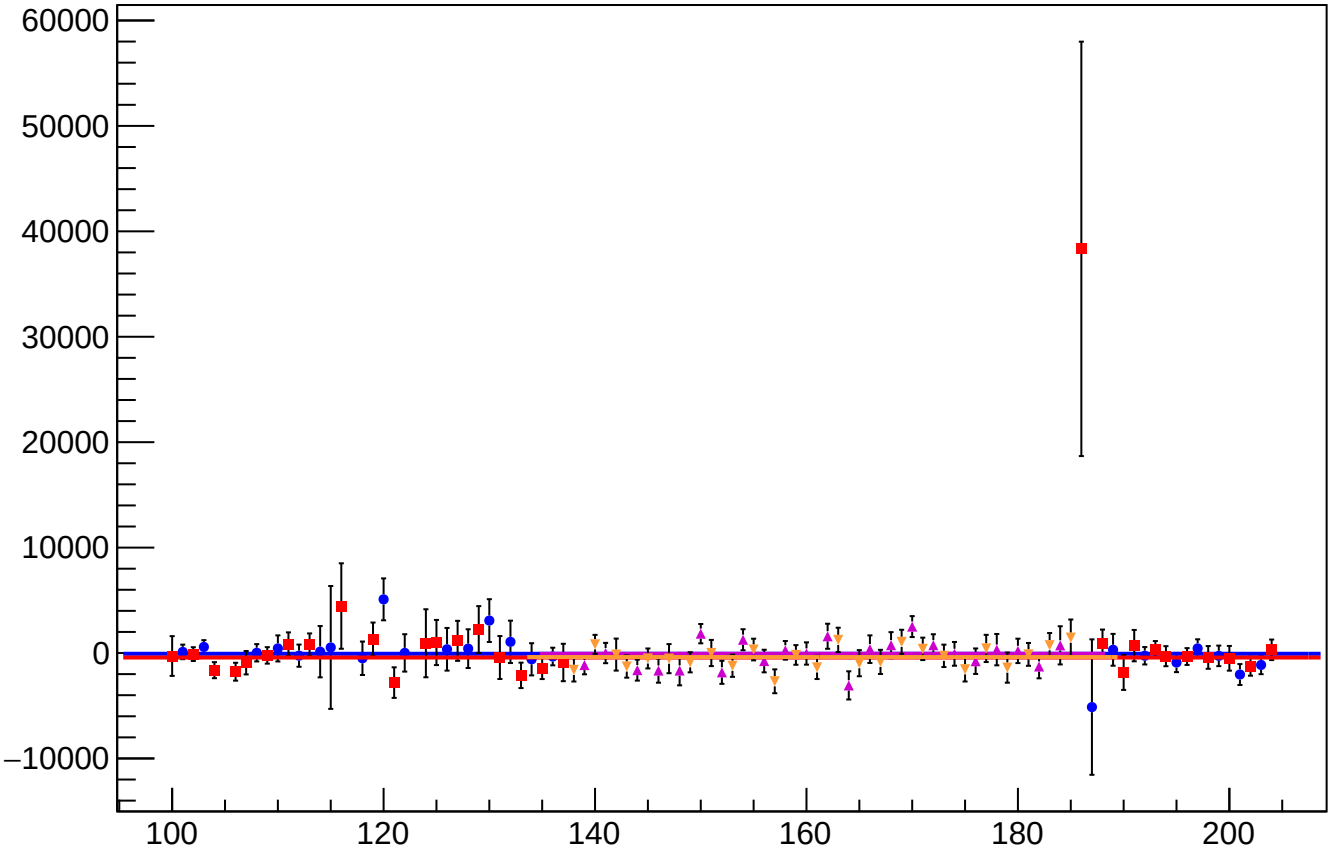
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.516+/-0.017 χ^2/NDF: 3403603.7/48

All: 132.996+/-0.012 χ^2/NDF: 8228409.4/101

- sign 131.562+/-0.017 χ^2/NDF: 4809497.5/52

asym_sam5_reg_correction_mean vs Slug



Right In: -69.976+/-226.787 χ^2/NDF: 18.5/23

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -427.776+/-207.254 χ^2/NDF: 27.7/29

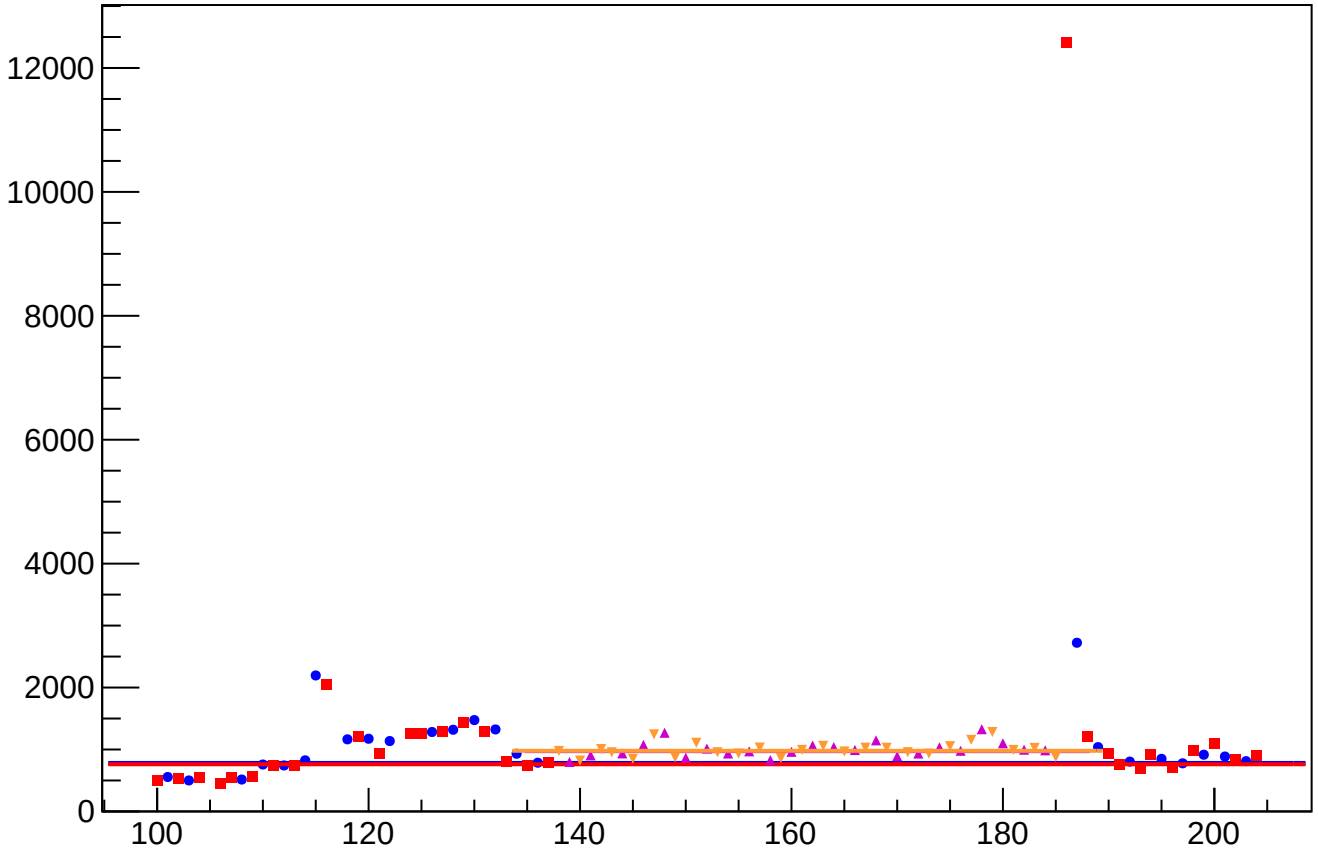
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -226.870+/-159.567 χ^2/NDF: 38.2/48

All: -248.840+/-110.774 χ^2/NDF: 100.3/101

- sign -269.278+/-153.902 χ^2/NDF: 62.1/52

asym_sam5_reg_correction_rms vs Slug



Right In: 782.952+/-0.160 χ^2/NDF: 2208120.1/23

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 761.596+/-0.147 χ^2/NDF: 3323503.4/29

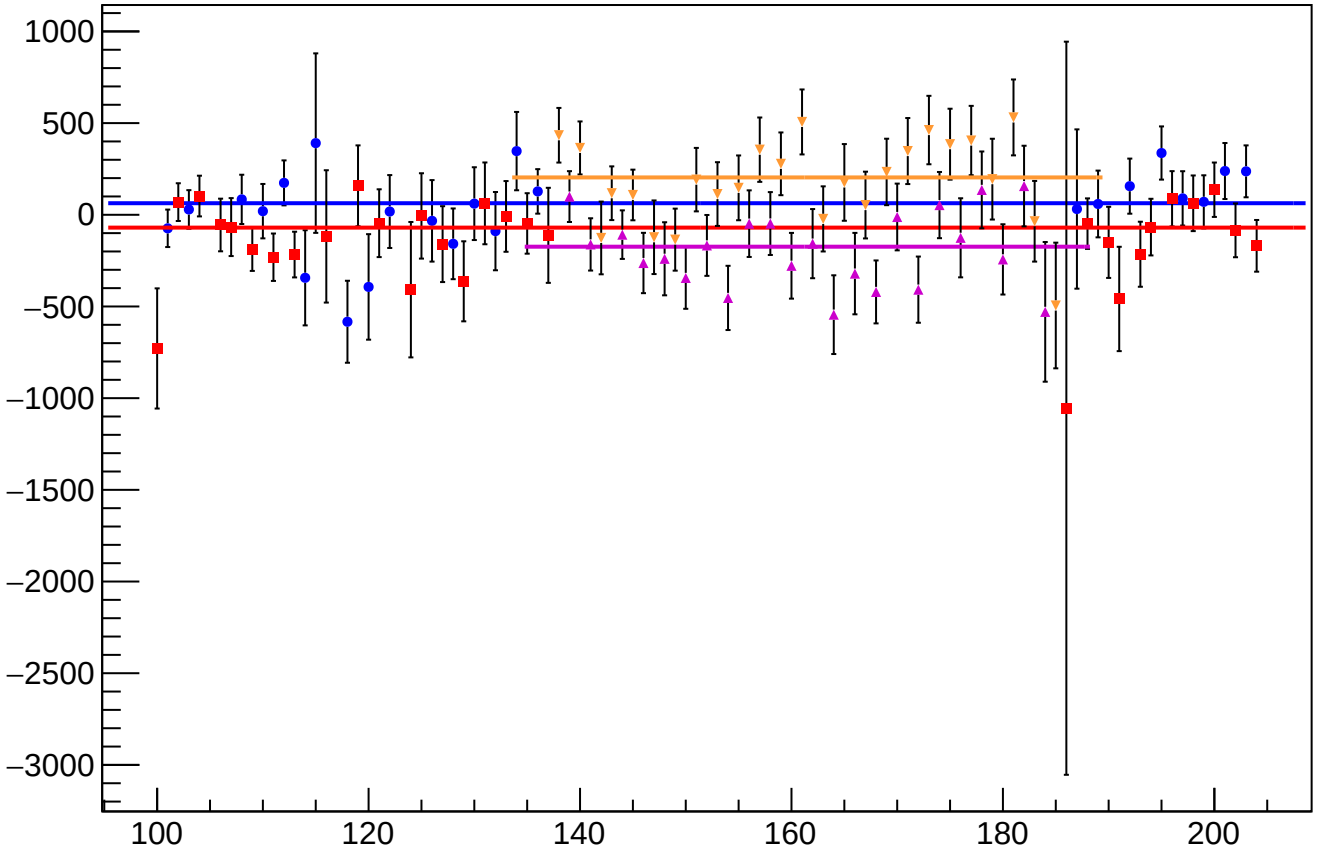
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 882.002+/-0.113 χ^2/NDF: 3393457.2/48

All: 868.943+/-0.078 χ^2/NDF: 8182107.6/101

- sign 856.794+/-0.109 χ^2/NDF: 4762790.8/52

cor_asym_sam5_mean vs Slug



Right In: 63.154+/-32.835 χ^2/NDF: 27.6/23

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -69.938+/-30.272 χ^2/NDF: 24.0/29

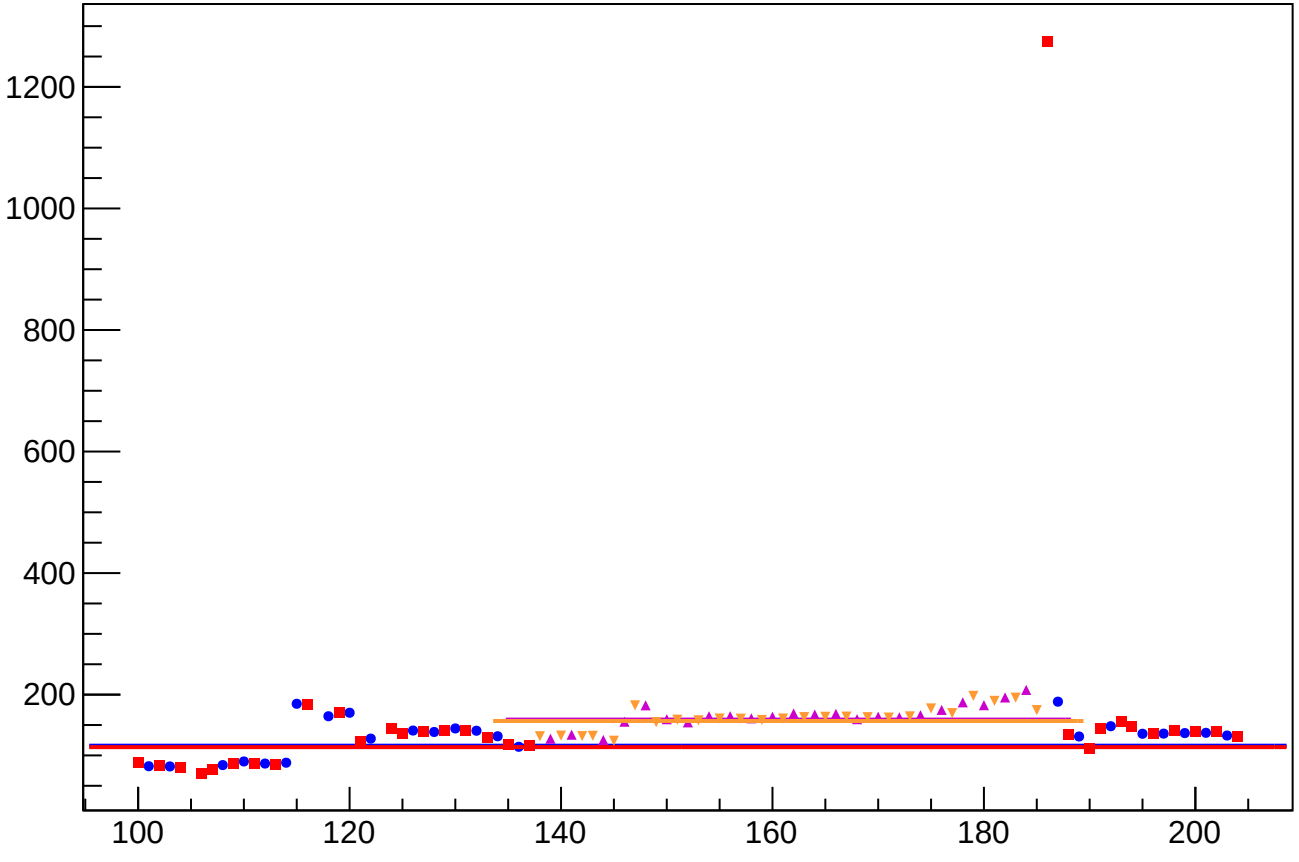
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 127.246+/-24.222 χ^2/NDF: 68.8/48

All: 4.618+/-16.878 χ^2/NDF: 171.8/101

- sign -111.112+/-23.531 χ^2/NDF: 53.2/52

cor_asym_sam5_rms vs Slug



Right In: 115.987+/-0.023 χ^2/NDF: 1423954.9/23

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 113.610+/-0.021 χ^2/NDF: 2526575.4/29

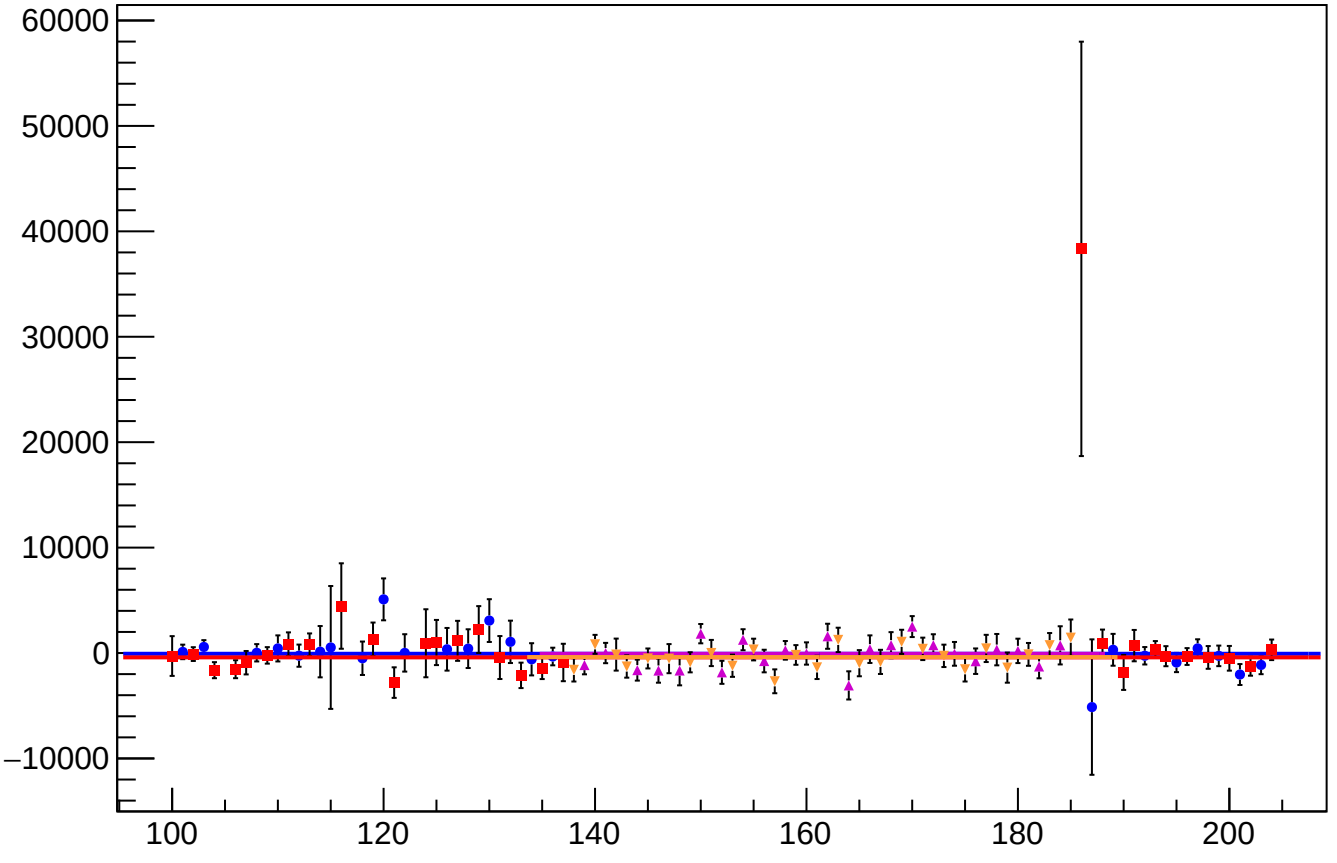
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.516+/-0.017 χ^2/NDF: 3403601.7/48

All: 132.992+/-0.012 χ^2/NDF: 8232601.1/101

- sign 131.554+/-0.017 χ^2/NDF: 4813614.1/52

asym_sam5_cor_correction_mean vs Slug



Right In: -69.975+/-226.787 χ^2/NDF: 18.5/23

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -412.444+/-207.335 χ^2/NDF: 26.9/29

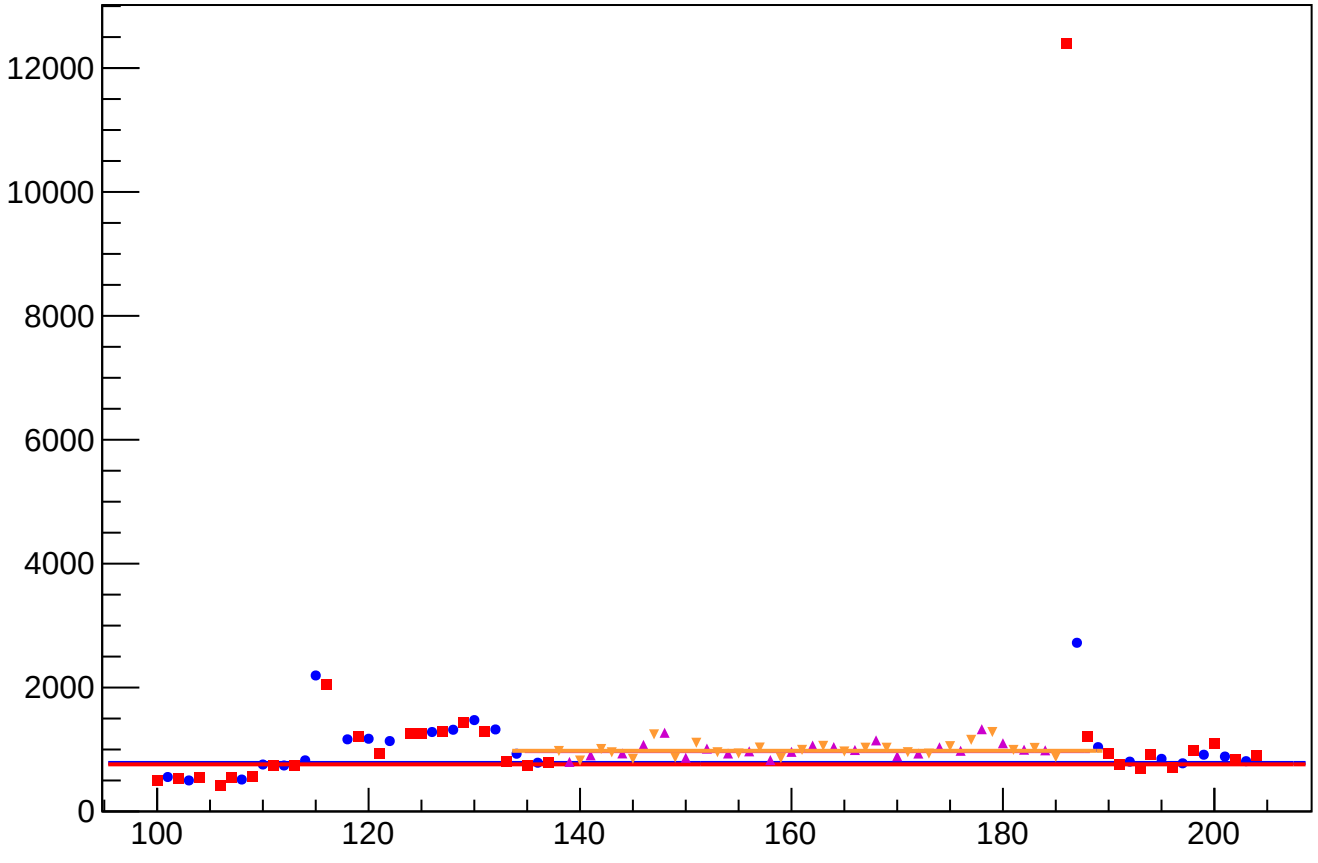
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -226.864+/-159.567 χ^2/NDF: 38.2/48

All: -244.419+/-110.786 χ^2/NDF: 99.4/101

- sign -260.758+/-153.935 χ^2/NDF: 61.2/52

asym_sam5_cor_correction_rms vs Slug



Right In: 782.952+/-0.160 χ^2/NDF: 2208123.1/23

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 760.400+/-0.147 χ^2/NDF: 3363393.7/29

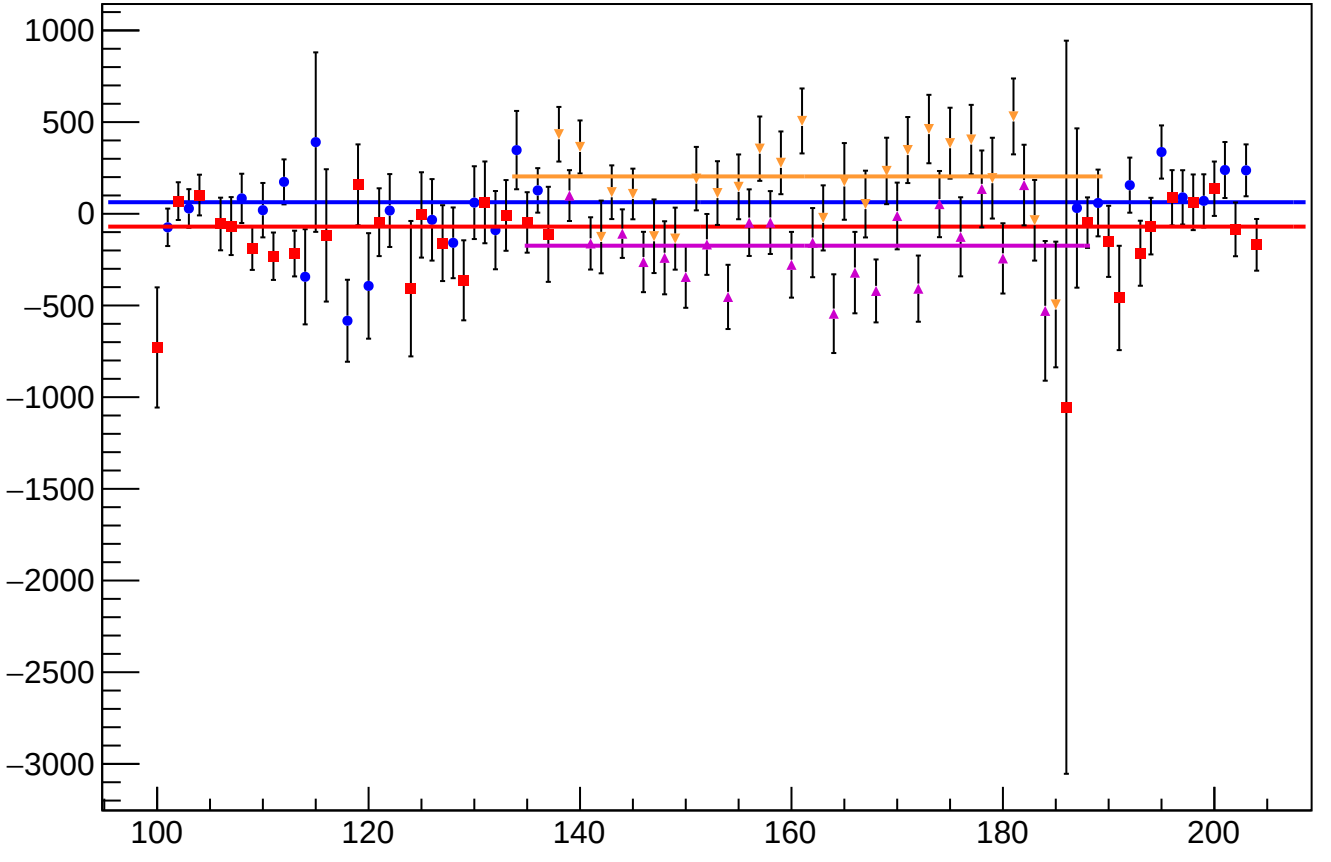
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 882.002+/-0.113 χ^2/NDF: 3393462.4/48

All: 868.625+/-0.078 χ^2/NDF: 8233586.2/101

- sign 856.175+/-0.109 χ^2/NDF: 4812985.3/52

eigen_cor_asym_sam5_mean vs Slug



Right In: 63.154+/-32.835 χ^2/NDF: 27.6/23

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -69.938+/-30.272 χ^2/NDF: 24.0/29

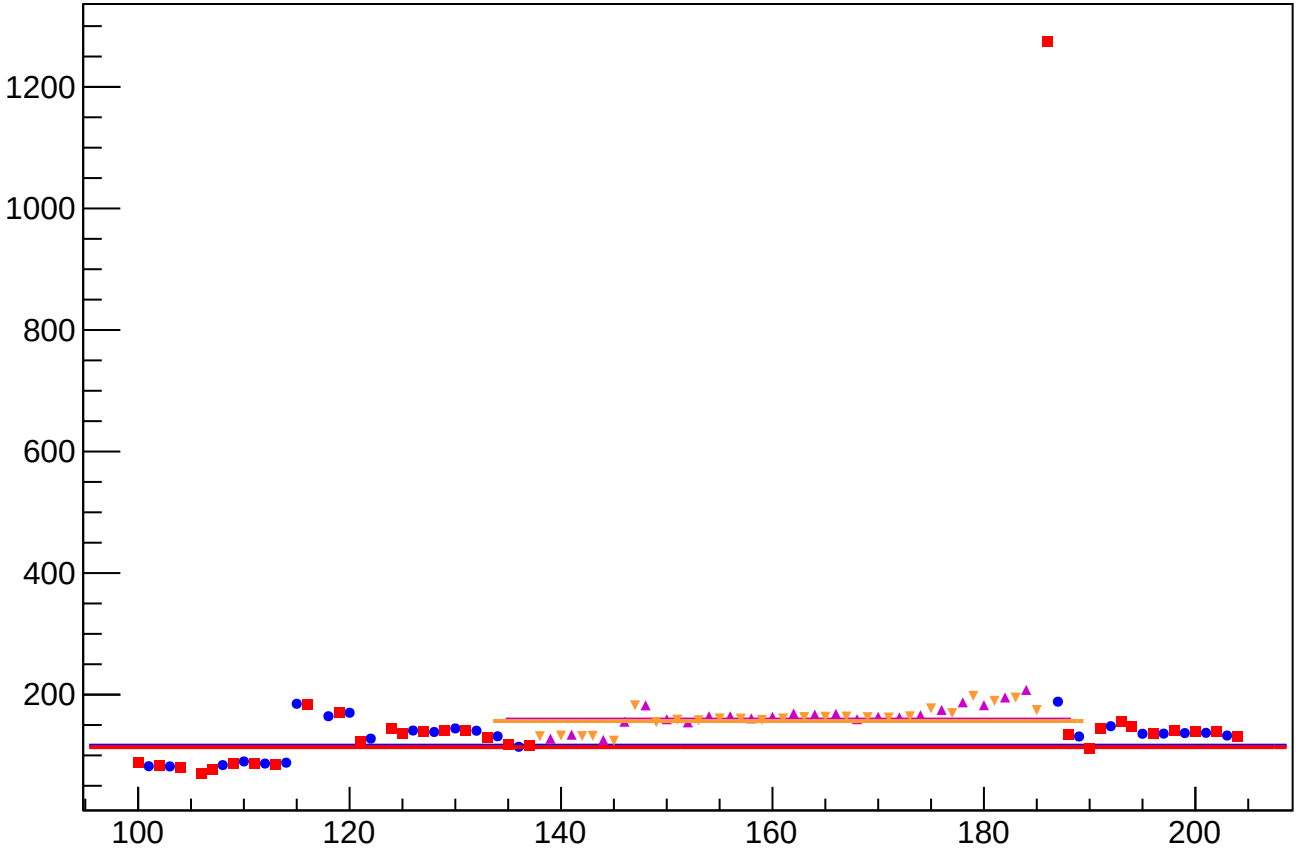
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 127.246+/-24.222 χ^2/NDF: 68.8/48

All: 4.618+/-16.878 χ^2/NDF: 171.8/101

- sign -111.112+/-23.531 χ^2/NDF: 53.2/52

eigen_cor_asym_sam5_rms vs Slug



Right In: 115.987+/-0.023 χ^2/NDF: 1423954.9/23

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 113.610+/-0.021 χ^2/NDF: 2526575.4/29

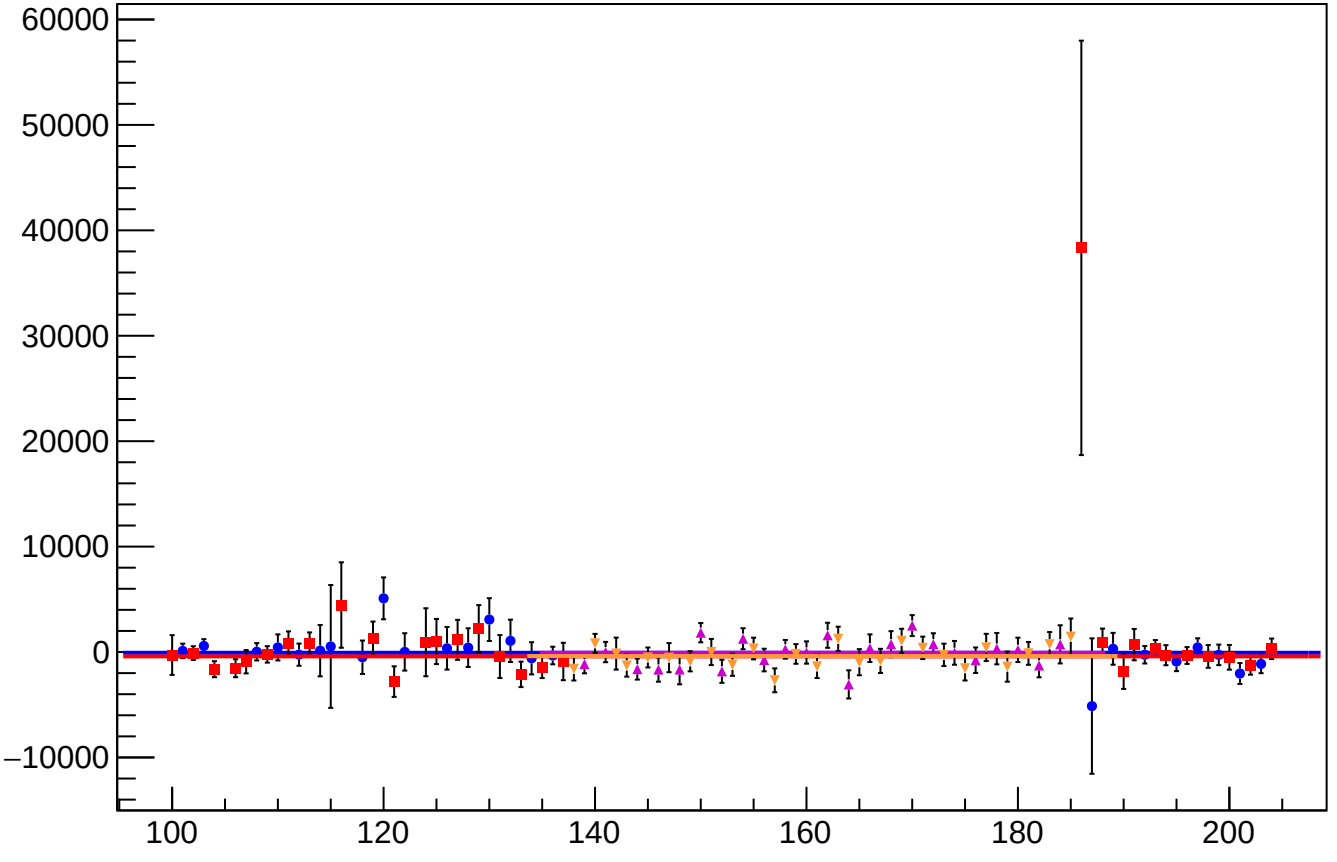
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.516+/-0.017 χ^2/NDF: 3403601.7/48

All: 132.992+/-0.012 χ^2/NDF: 8232601.1/101

- sign 131.554+/-0.017 χ^2/NDF: 4813614.1/52

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: -69.975+/-226.787 χ^2/NDF: 18.5/23

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -412.444+/-207.335 χ^2/NDF: 26.9/29

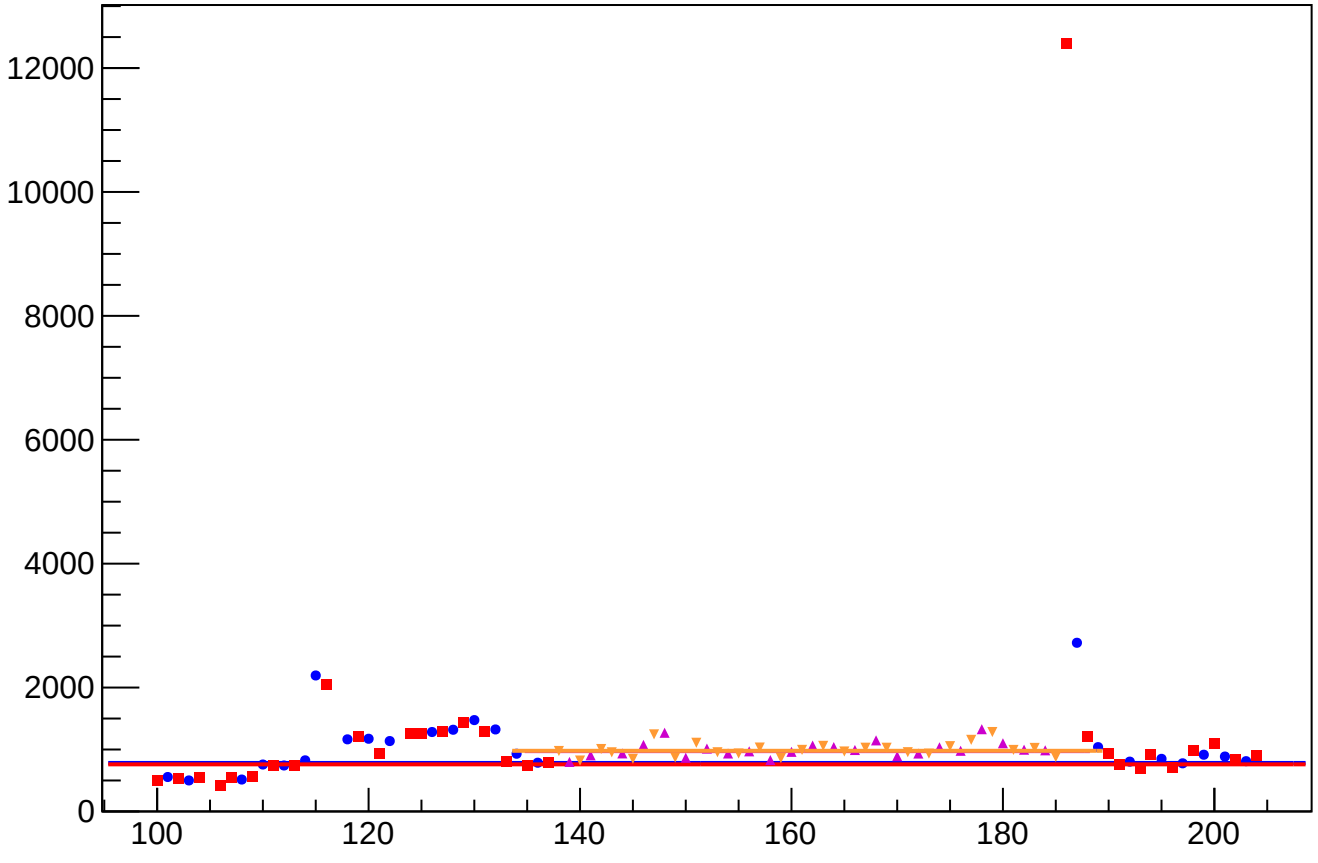
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -226.864+/-159.567 χ^2/NDF: 38.2/48

All: -244.419+/-110.786 χ^2/NDF: 99.4/101

- sign -260.758+/-153.935 χ^2/NDF: 61.2/52

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 782.952+/-0.160 χ^2/NDF: 2208123.1/23

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 760.400+/-0.147 χ^2/NDF: 3363393.7/29

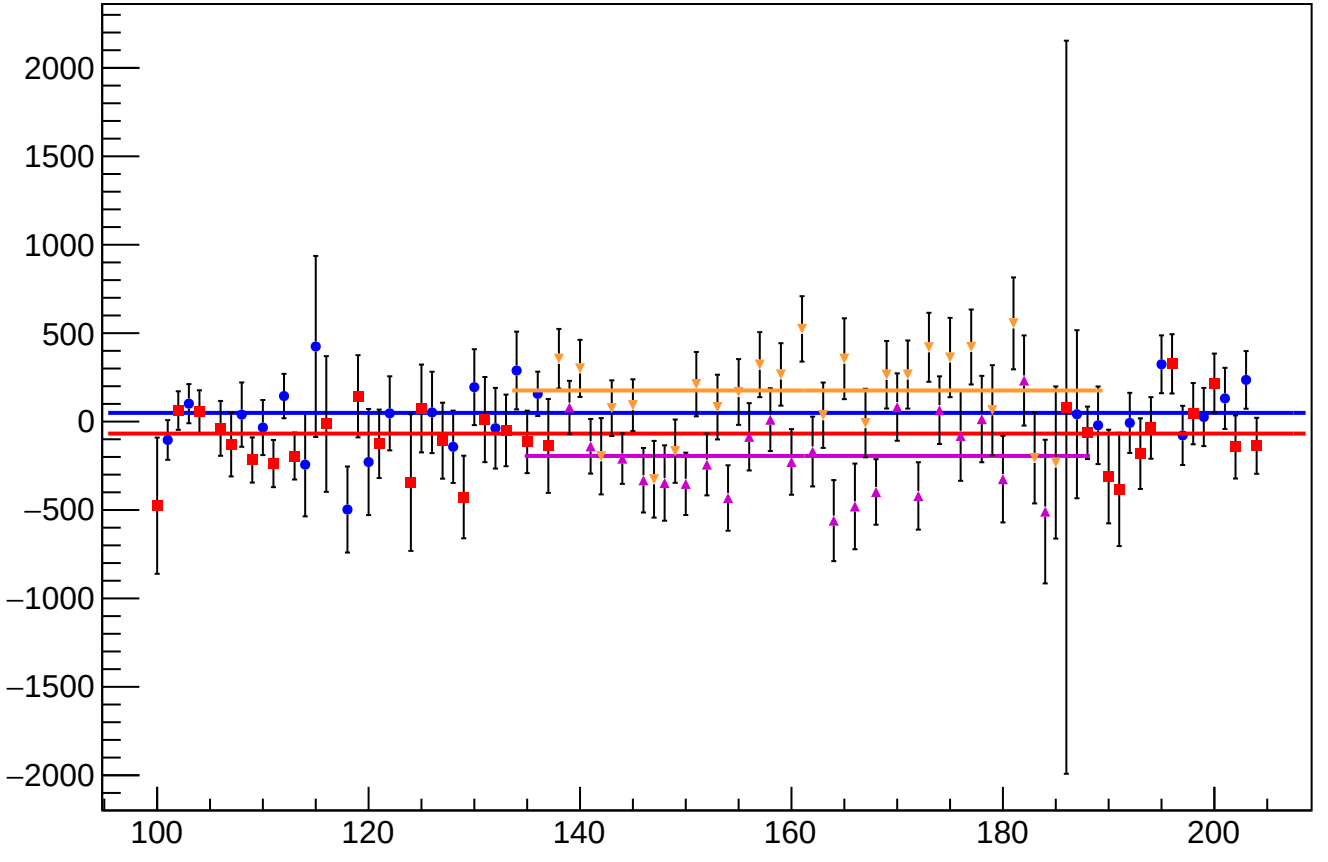
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 882.002+/-0.113 χ^2/NDF: 3393462.4/48

All: 868.625+/-0.078 χ^2/NDF: 8233586.2/101

- sign 856.175+/-0.109 χ^2/NDF: 4812985.3/52

dit_asym_sam5_mean vs Slug



Right In: 49.182+/-36.015 χ^2/NDF: 19.0/23

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -67.914+/-33.108 χ^2/NDF: 23.5/29

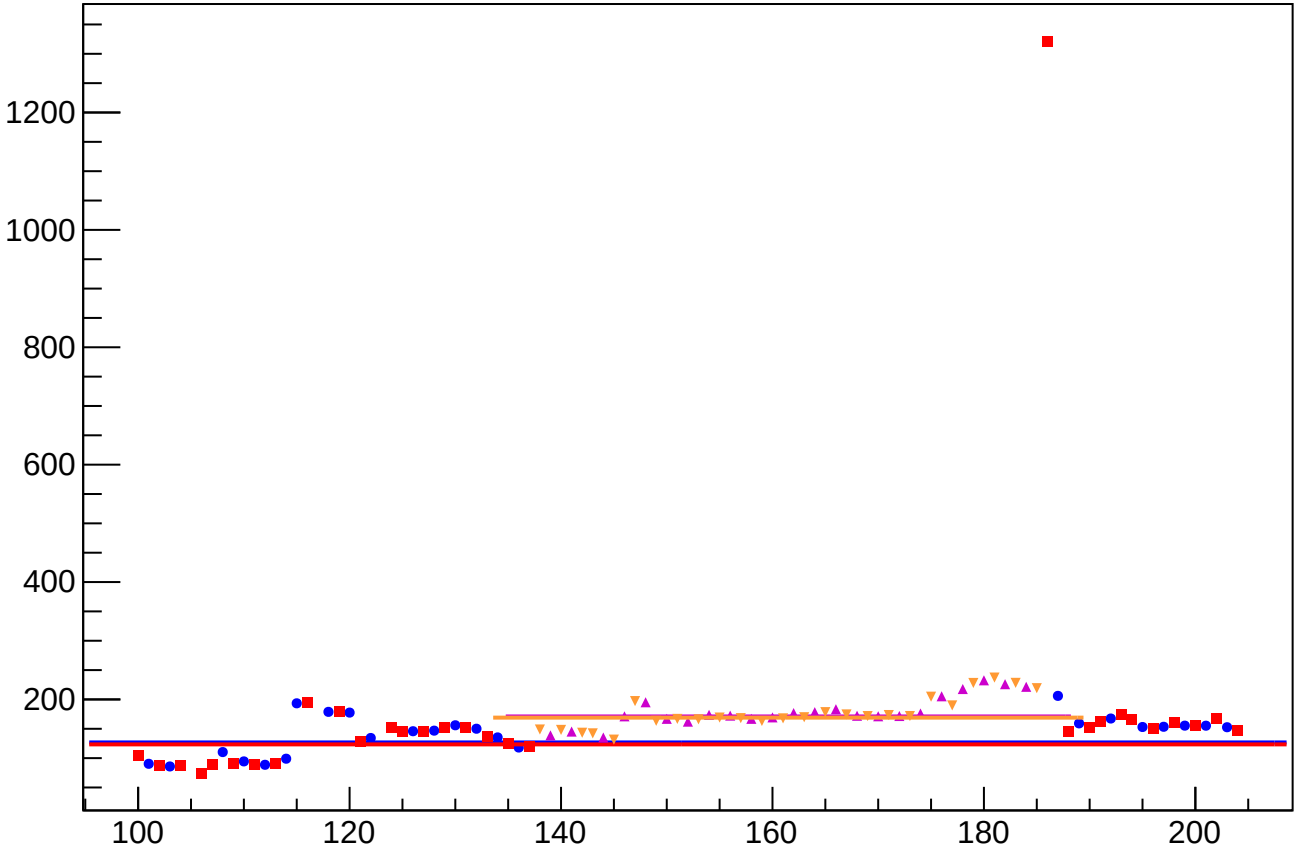
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 107.821+/-26.408 χ^2/NDF: 55.4/48

All: -8.957+/-18.382 χ^2/NDF: 146.6/101

- sign -118.726+/-25.603 χ^2/NDF: 53.2/52

dit_asym_sam5_rms vs Slug



Right In: 126.734+/-0.025 χ^2/NDF: 1559572.7/23

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 123.432+/-0.023 χ^2/NDF: 2776174.0/29

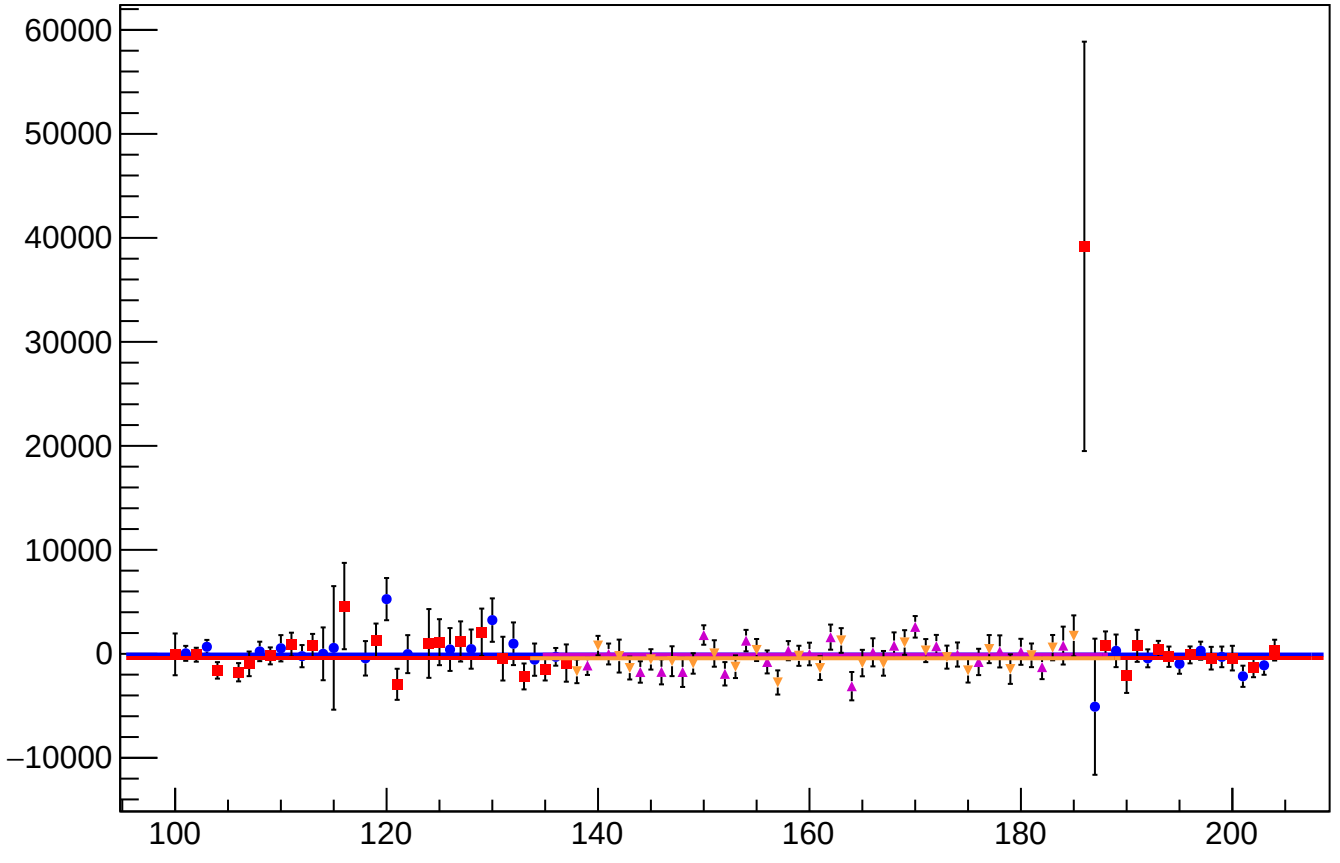
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 146.280+/-0.019 χ^2/NDF: 3607588.1/48

All: 144.363+/-0.013 χ^2/NDF: 8743256.2/101

- sign 142.561+/-0.018 χ^2/NDF: 5115223.9/52

asym_sam5_dit_correction_mean vs Slug



Right In: -66.748+/-234.932 χ^2/NDF: 19.1/23

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -399.245+/-214.113 χ^2/NDF: 27.7/29

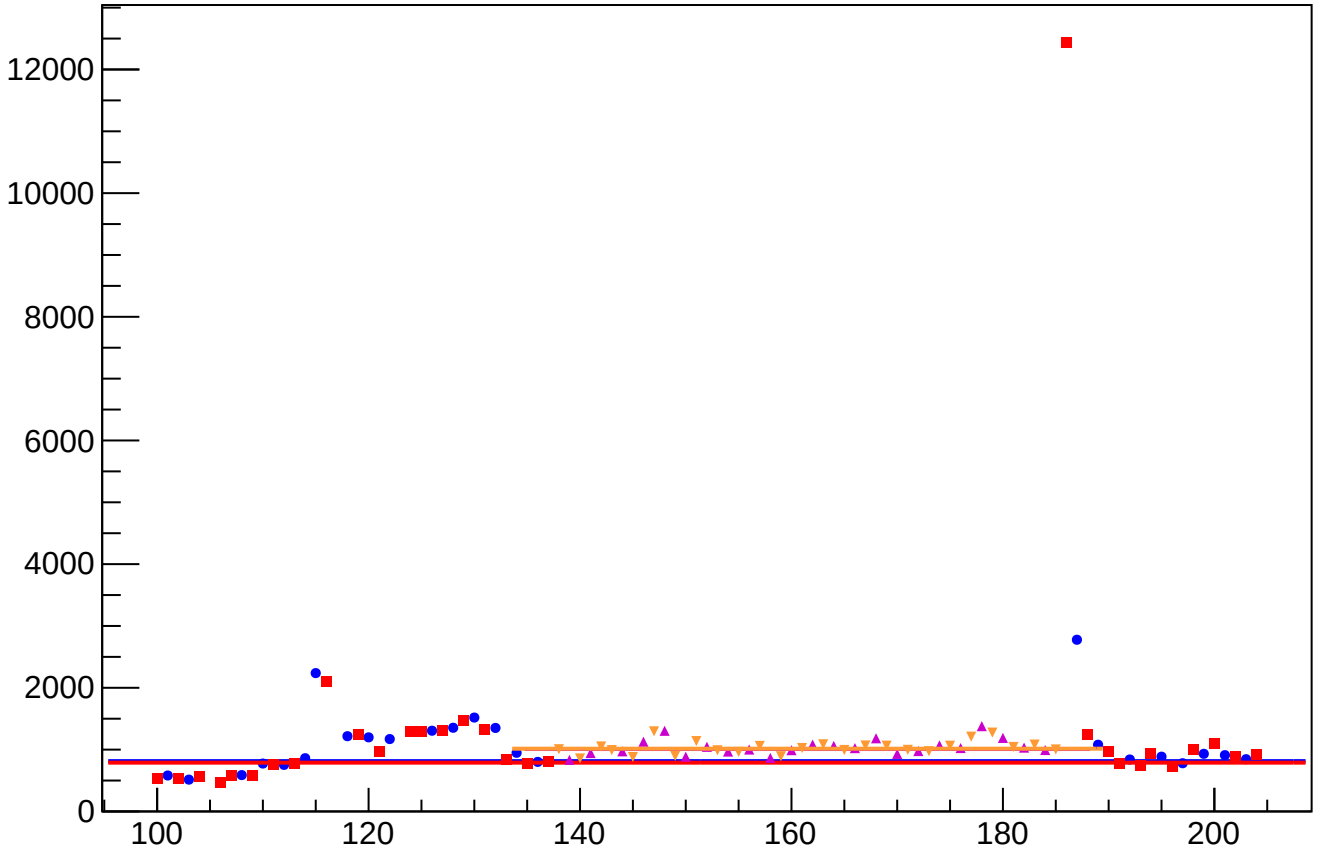
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -248.105+/-165.277 χ^2/NDF: 38.7/48

All: -253.986+/-114.669 χ^2/NDF: 99.7/101

- sign -259.444+/-159.224 χ^2/NDF: 61.0/52

asym_sam5_dit_correction_rms vs Slug



Right In: 813.892+/-0.166 χ^2/NDF: 2084589.7/23

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 789.393+/-0.151 χ^2/NDF: 3211544.6/29

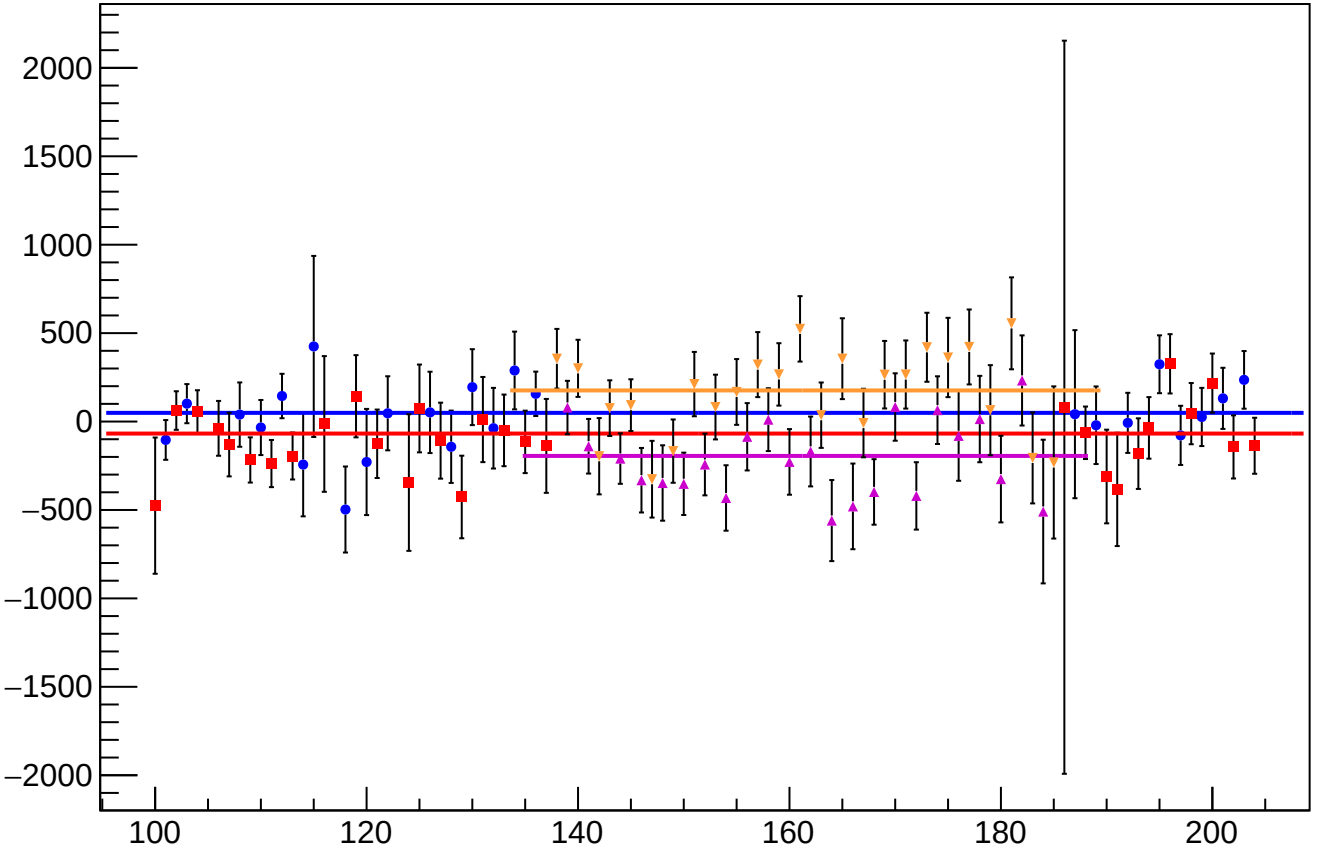
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 915.490+/-0.117 χ^2/NDF: 3223108.4/48

All: 901.157+/-0.081 χ^2/NDF: 7908649.3/101

- sign 887.856+/-0.113 χ^2/NDF: 4656543.6/52

eigen_dit_asym_sam5_mean vs Slug



Right In: 49.182+/-36.015 χ^2/NDF: 19.0/23

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -67.915+/-33.108 χ^2/NDF: 23.5/29

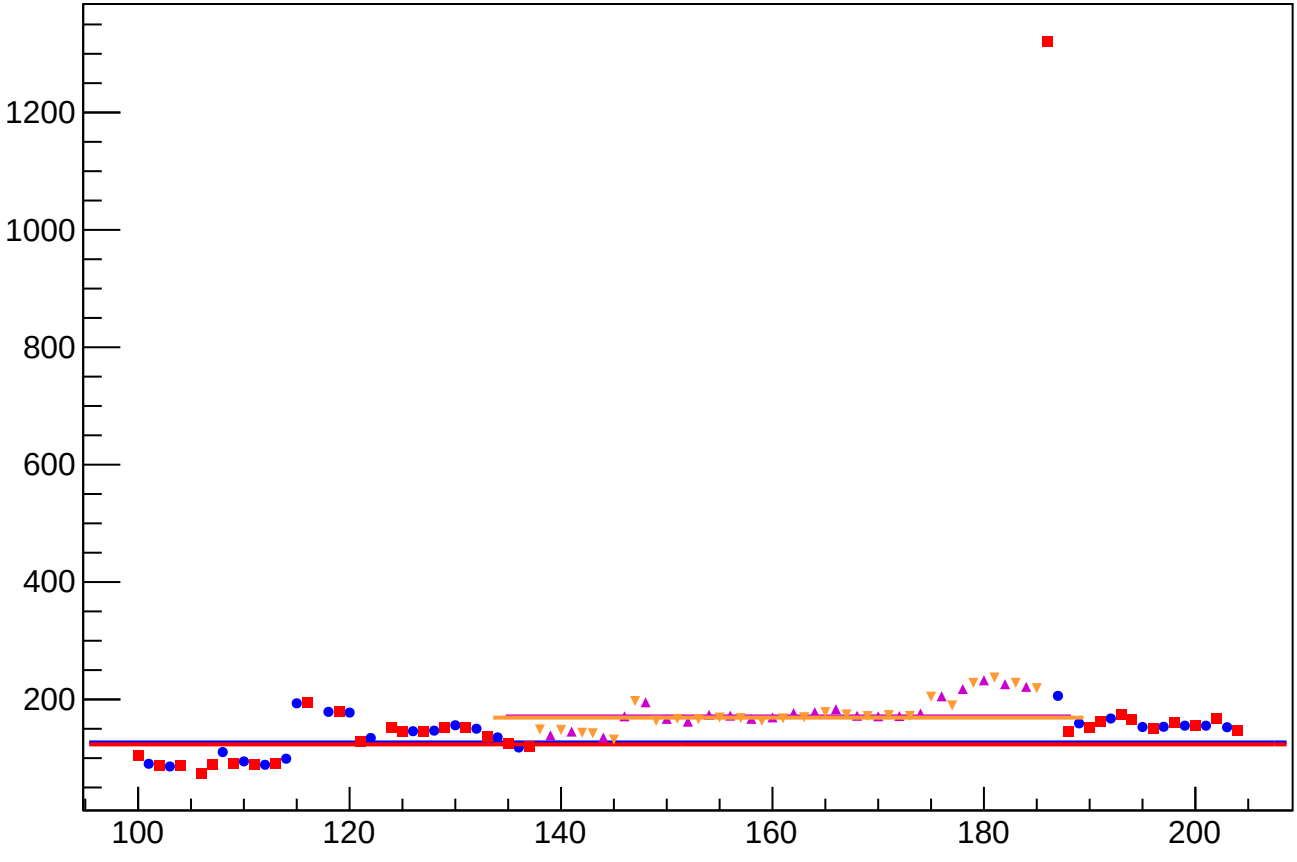
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 107.821+/-26.408 χ^2/NDF: 55.5/48

All: -8.957+/-18.382 χ^2/NDF: 146.6/101

- sign -118.726+/-25.603 χ^2/NDF: 53.2/52

eigen_dit_asym_sam5_rms vs Slug



Right In: 126.734+/-0.025 χ^2/NDF: 1559580.3/23

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 123.432+/-0.023 χ^2/NDF: 2776179.7/29

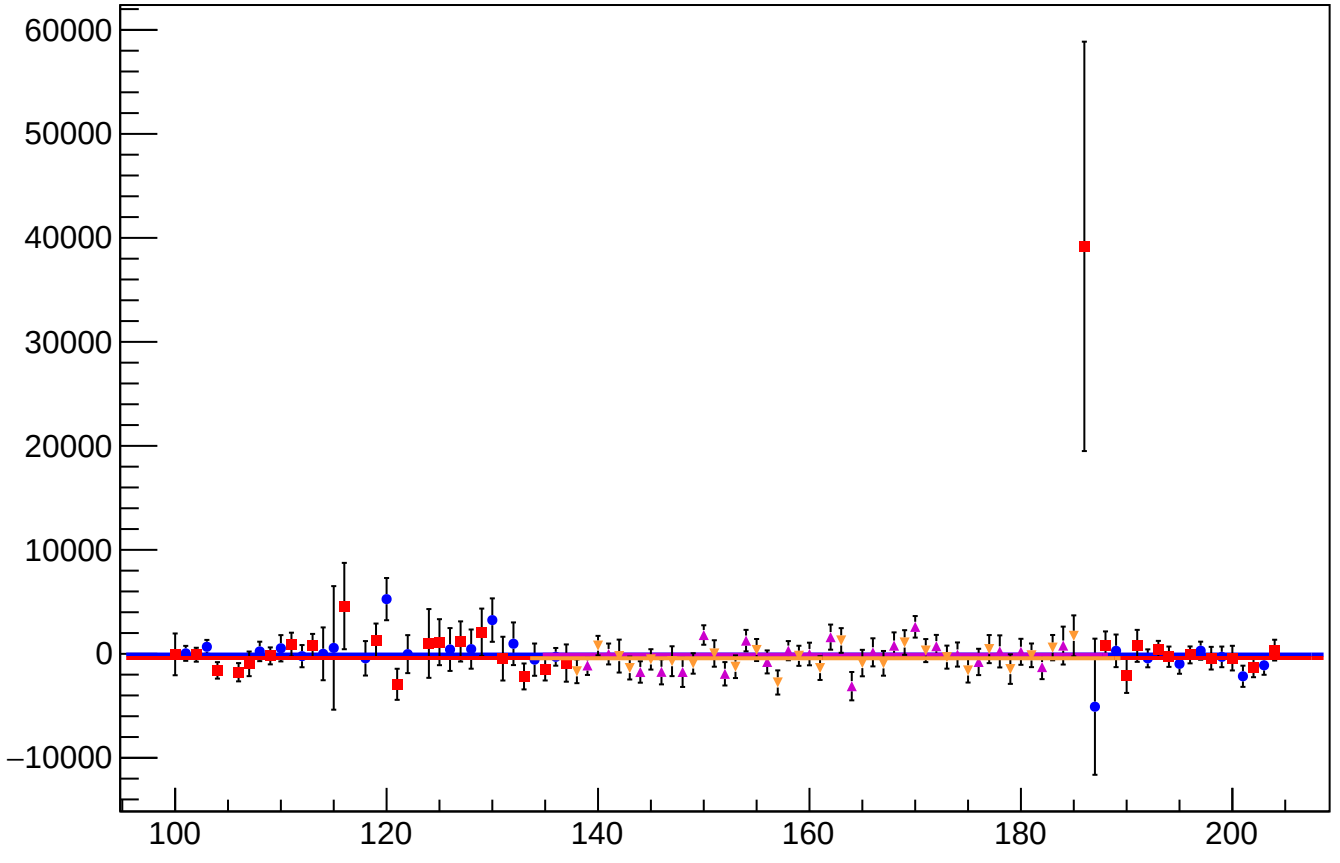
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 146.280+/-0.019 χ^2/NDF: 3607606.8/48

All: 144.363+/-0.013 χ^2/NDF: 8743298.0/101

- sign 142.561+/-0.018 χ^2/NDF: 5115247.8/52

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: -66.747+/-234.932 χ^2/NDF: 19.1/23

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -399.245+/-214.113 χ^2/NDF: 27.7/29

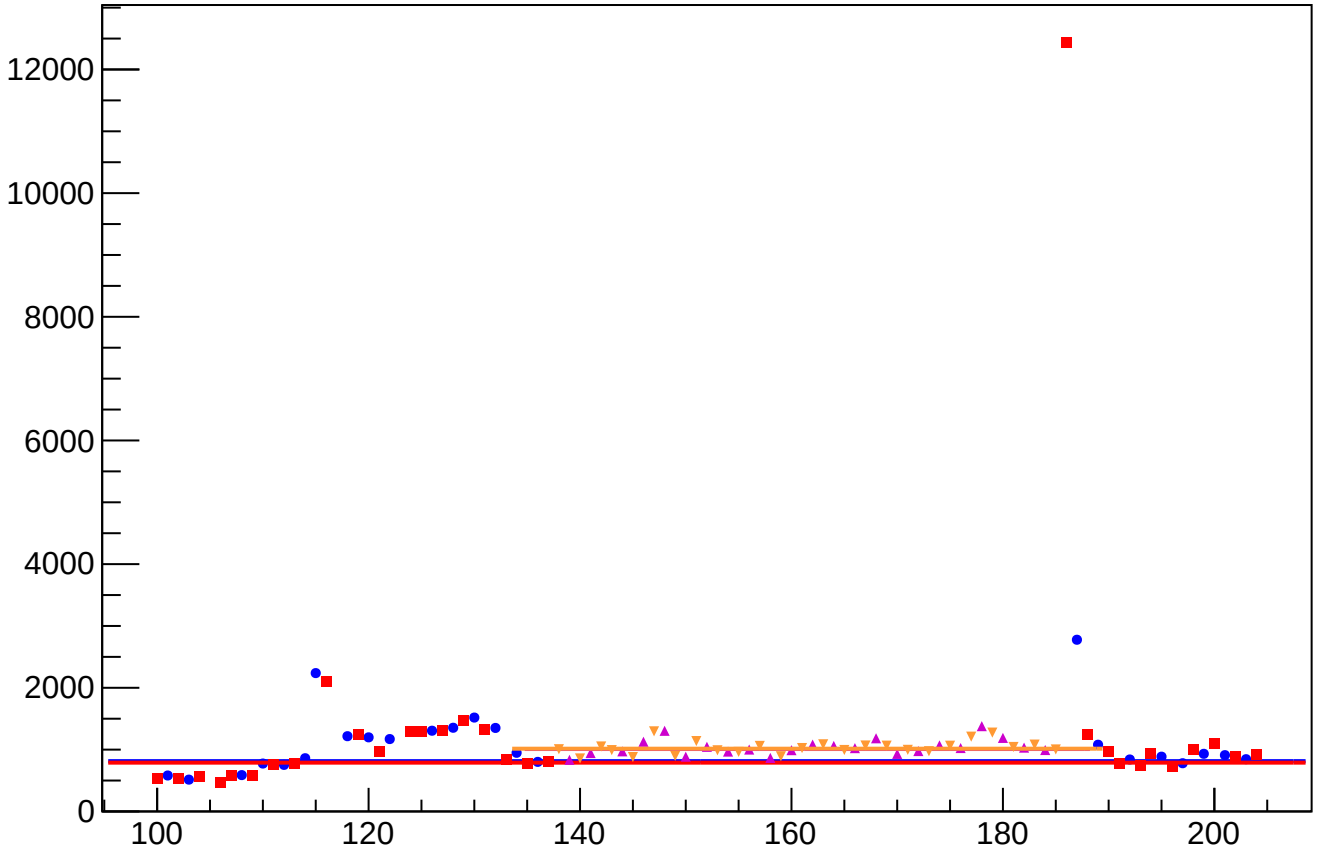
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -248.104+/-165.277 χ^2/NDF: 38.7/48

All: -253.986+/-114.669 χ^2/NDF: 99.7/101

- sign -259.445+/-159.224 χ^2/NDF: 61.0/52

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 813.892+/-0.166 χ^2/NDF: 2084592.2/23

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 789.393+/-0.151 χ^2/NDF: 3211553.5/29

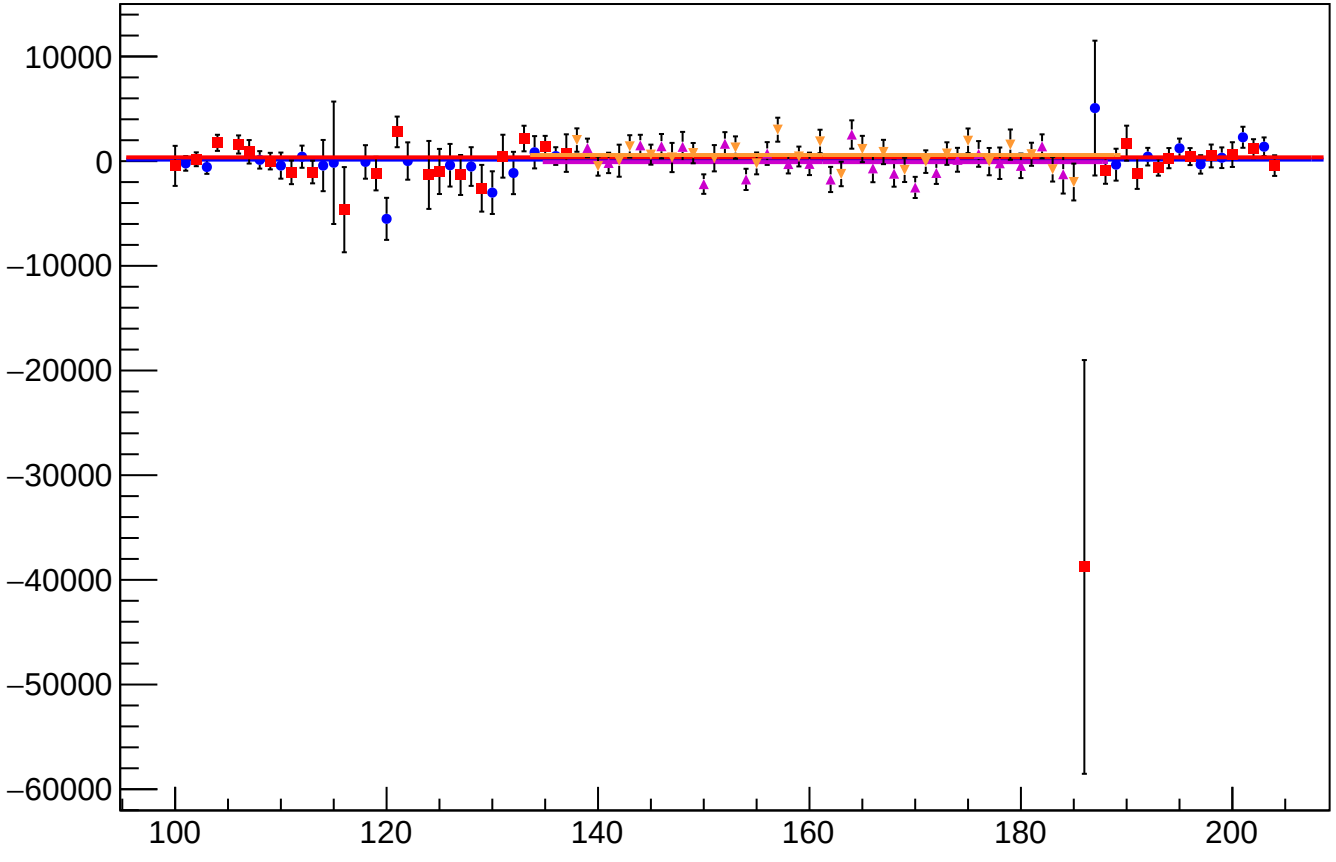
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 915.490+/-0.117 χ^2/NDF: 3223120.3/48

All: 901.158+/-0.081 χ^2/NDF: 7908682.9/101

- sign 887.856+/-0.113 χ^2/NDF: 4656565.4/52

asym_sam5_mean vs Slug



Right In: 149.226+/-229.582 χ^2/NDF: 22.0/23

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 363.370+/-209.997 χ^2/NDF: 30.0/29

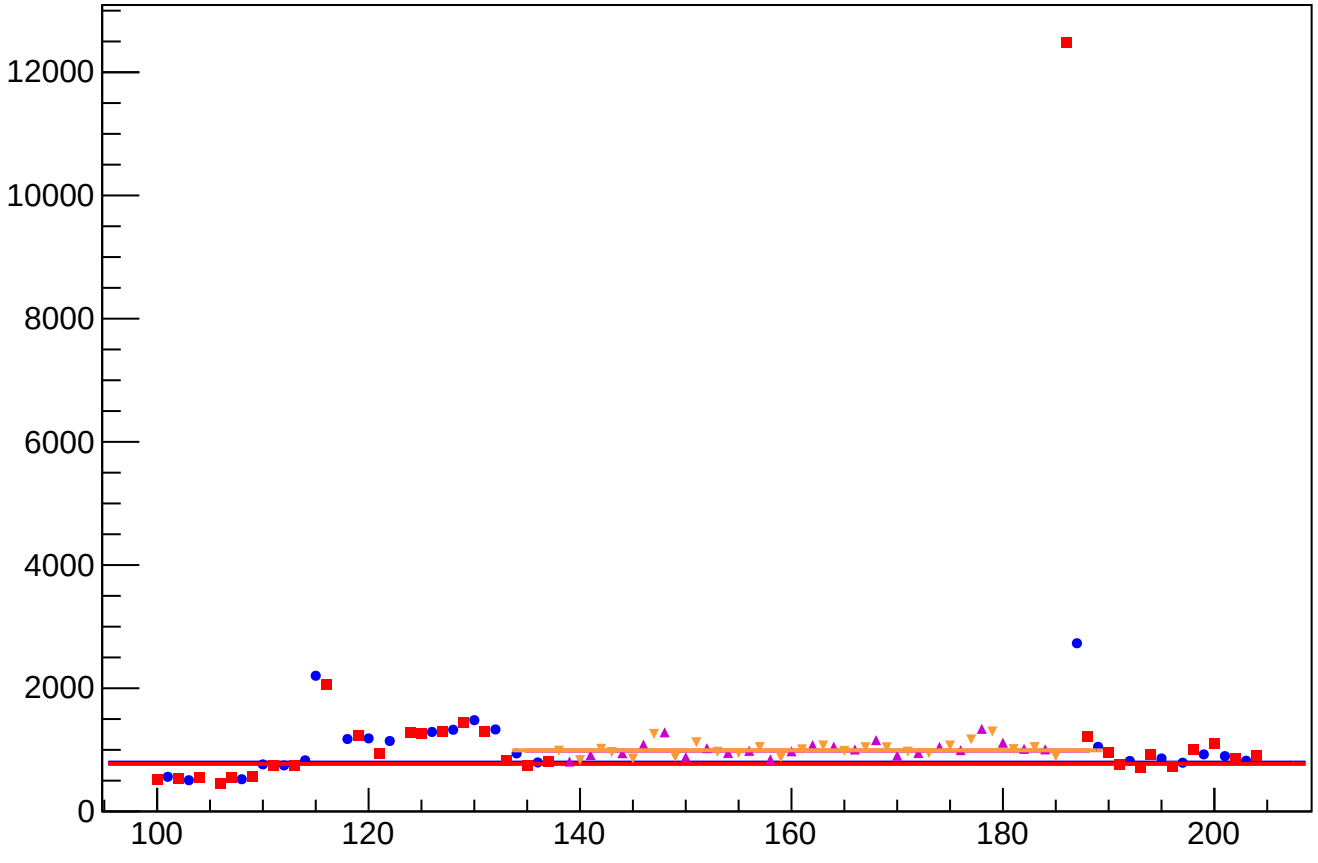
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 369.615+/-161.628 χ^2/NDF: 44.6/48

All: 260.563+/-112.244 χ^2/NDF: 112.2/101

- sign 158.978+/-155.996 χ^2/NDF: 66.7/52

asym_sam5_rms vs Slug



Right In: 793.146+/-0.162 χ^2/NDF: 2186049.9/23

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

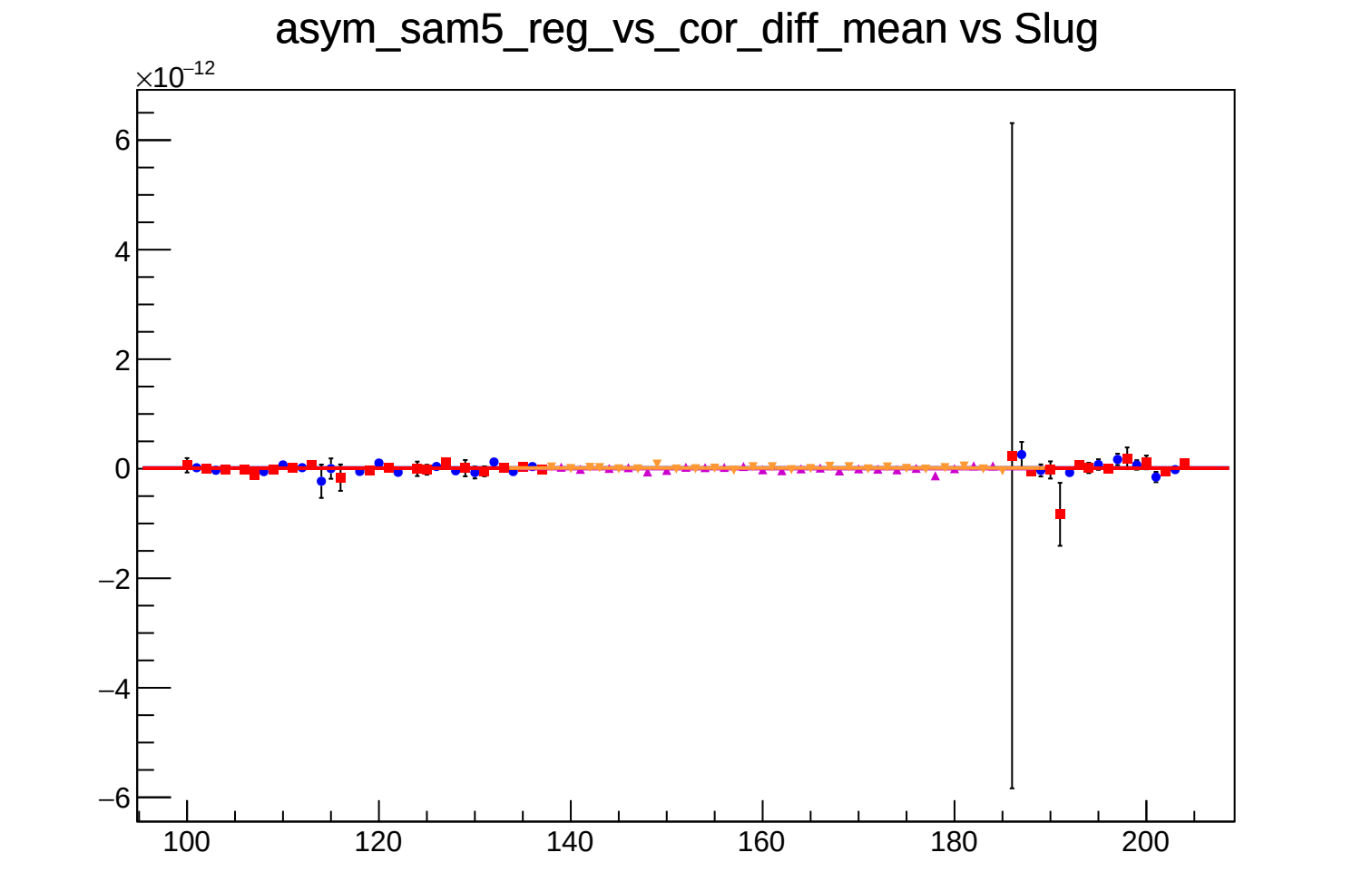
Right Out: 772.038+/-0.148 χ^2/NDF: 3296887.7/29

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 893.718+/-0.114 χ^2/NDF: 3371916.3/48

All: 880.781+/-0.079 χ^2/NDF: 8127384.6/101

- sign 868.729+/-0.110 χ^2/NDF: 4730717.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

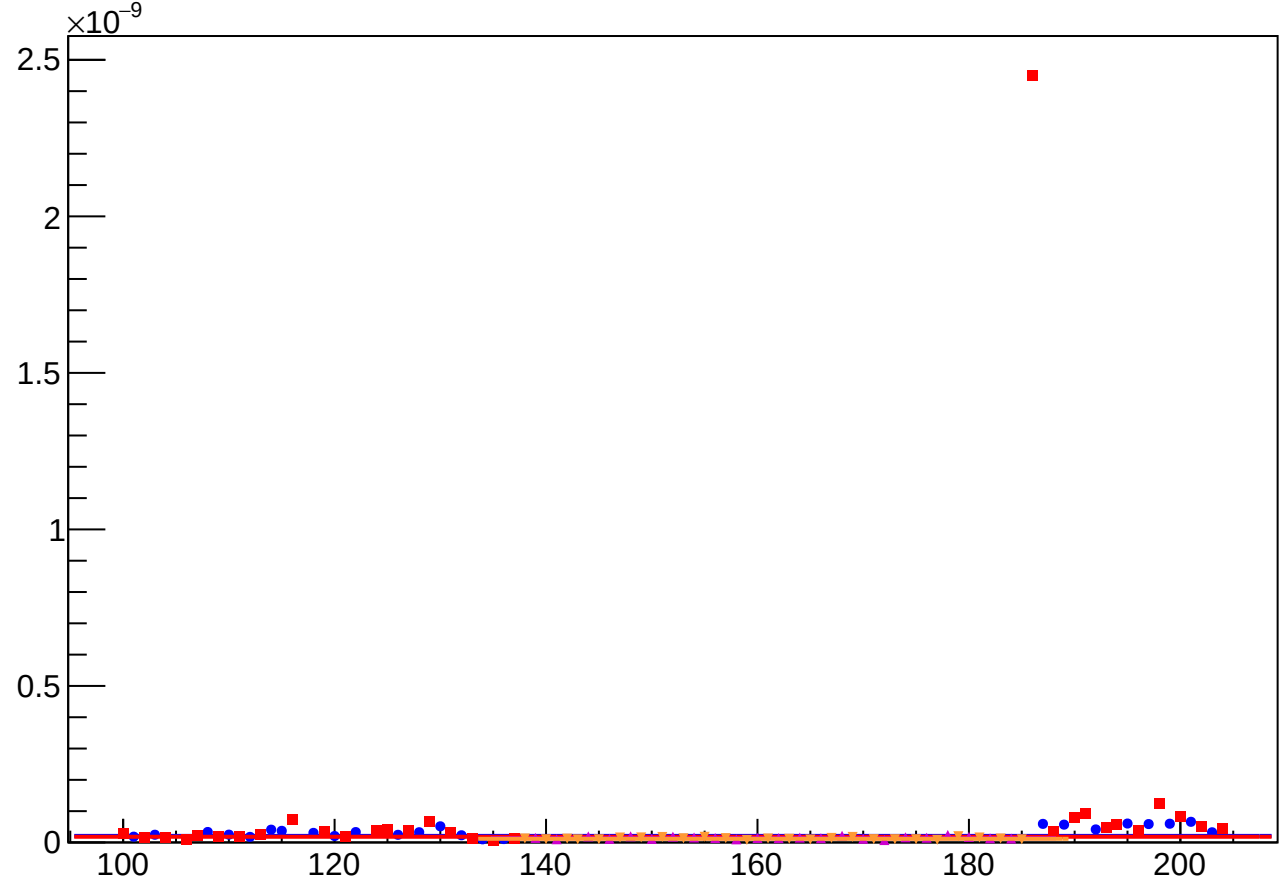
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/29

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

+ sign 0.000+/-0.000 χ^2/NDF: 50.3/48

All: 0.000+/-0.000 χ^2/NDF: 102.9/101

- sign 0.000+/-0.000 χ^2/NDF: 50.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 3352442.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5468010.1/29

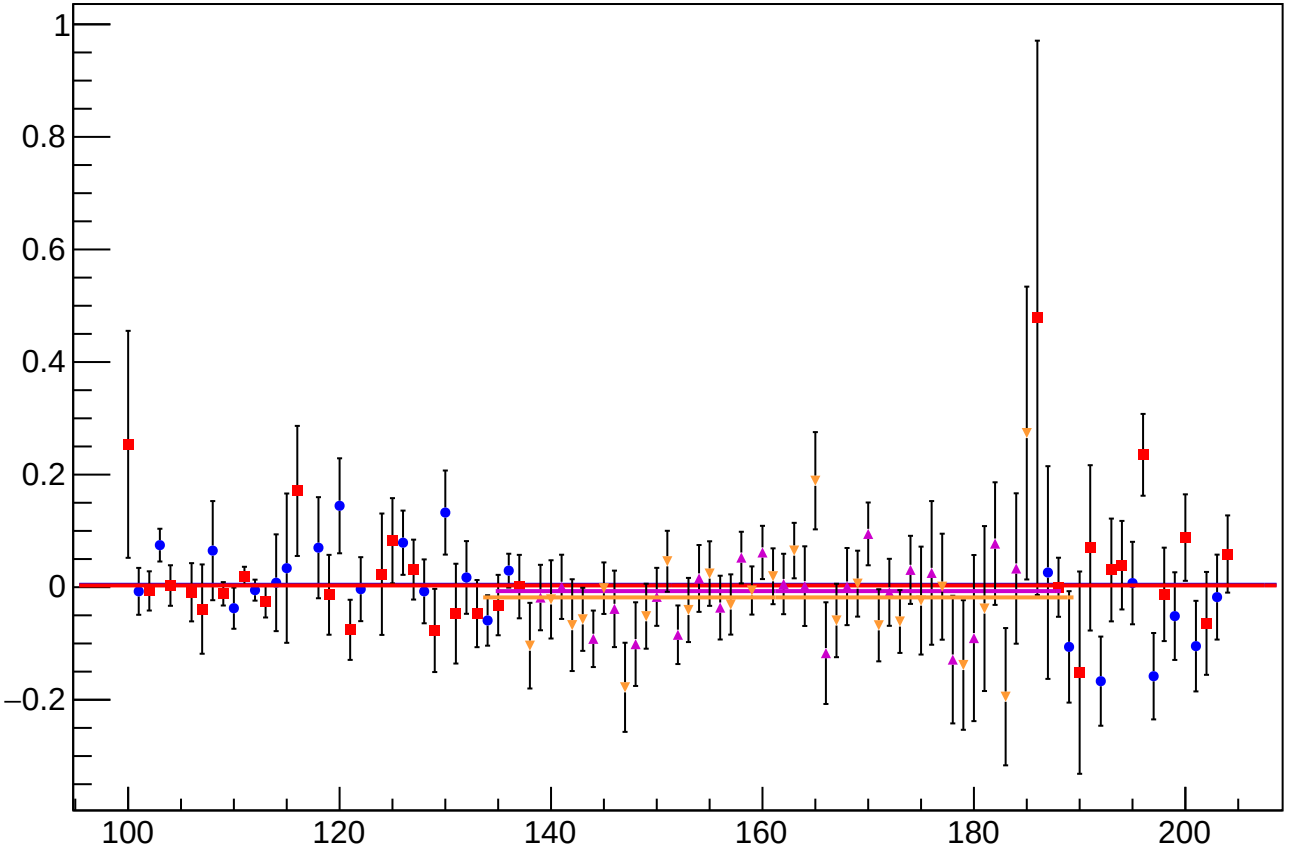
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5510892.6/48

All: 0.000+/-0.000 χ^2/NDF: 12357988.8/101

- sign 0.000+/-0.000 χ^2/NDF: 6750141.9/52

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.010 χ^2/NDF: 31.6/23

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

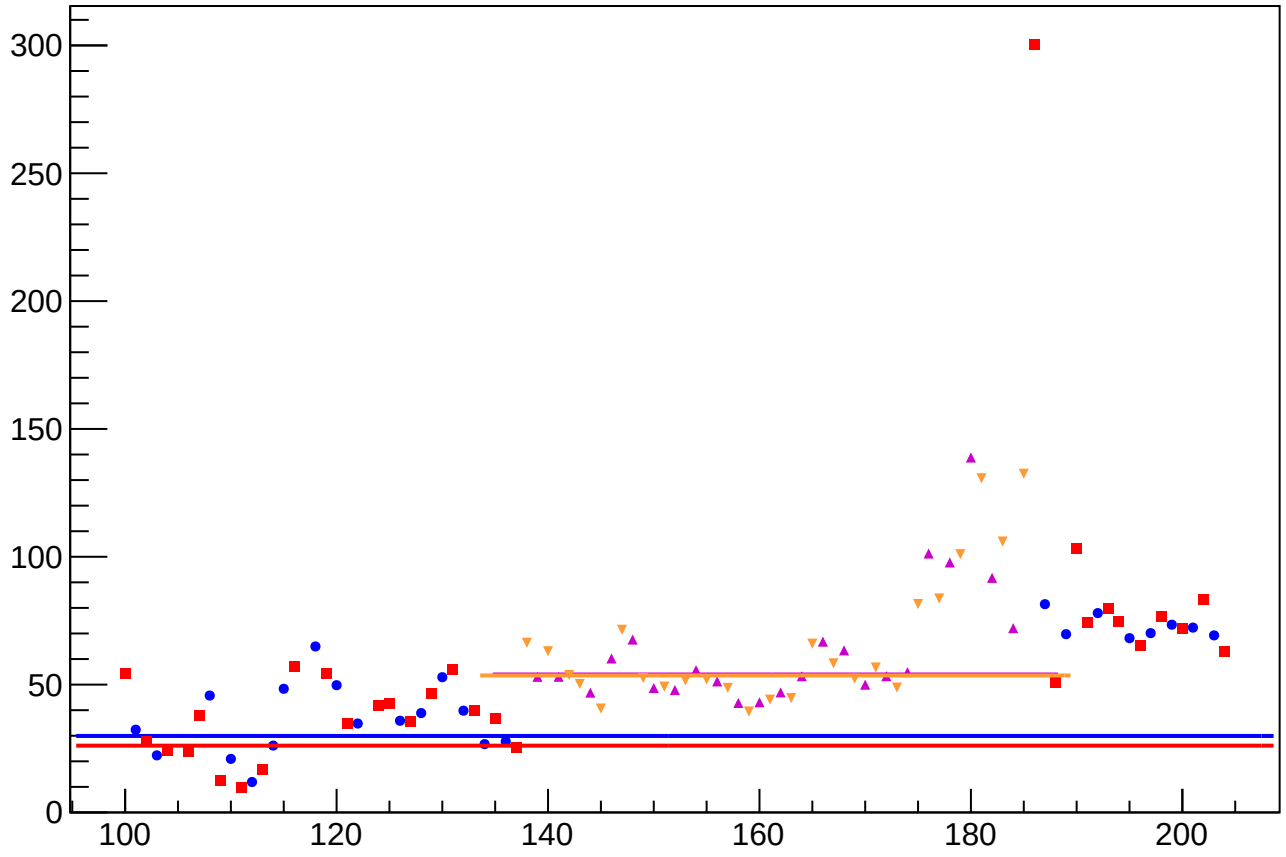
Right Out: 0.003+/-0.009 χ^2/NDF: 27.7/29

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.004+/-0.008 χ^2/NDF: 57.9/48

All: -0.002+/-0.005 χ^2/NDF: 104.8/101

- sign 0.000+/-0.007 χ^2/NDF: 46.8/52



Right In: 29.919+/-0.007 χ^2/NDF: 7021603.0/23

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 26.124+/-0.006 χ^2/NDF: 10829034.0/29

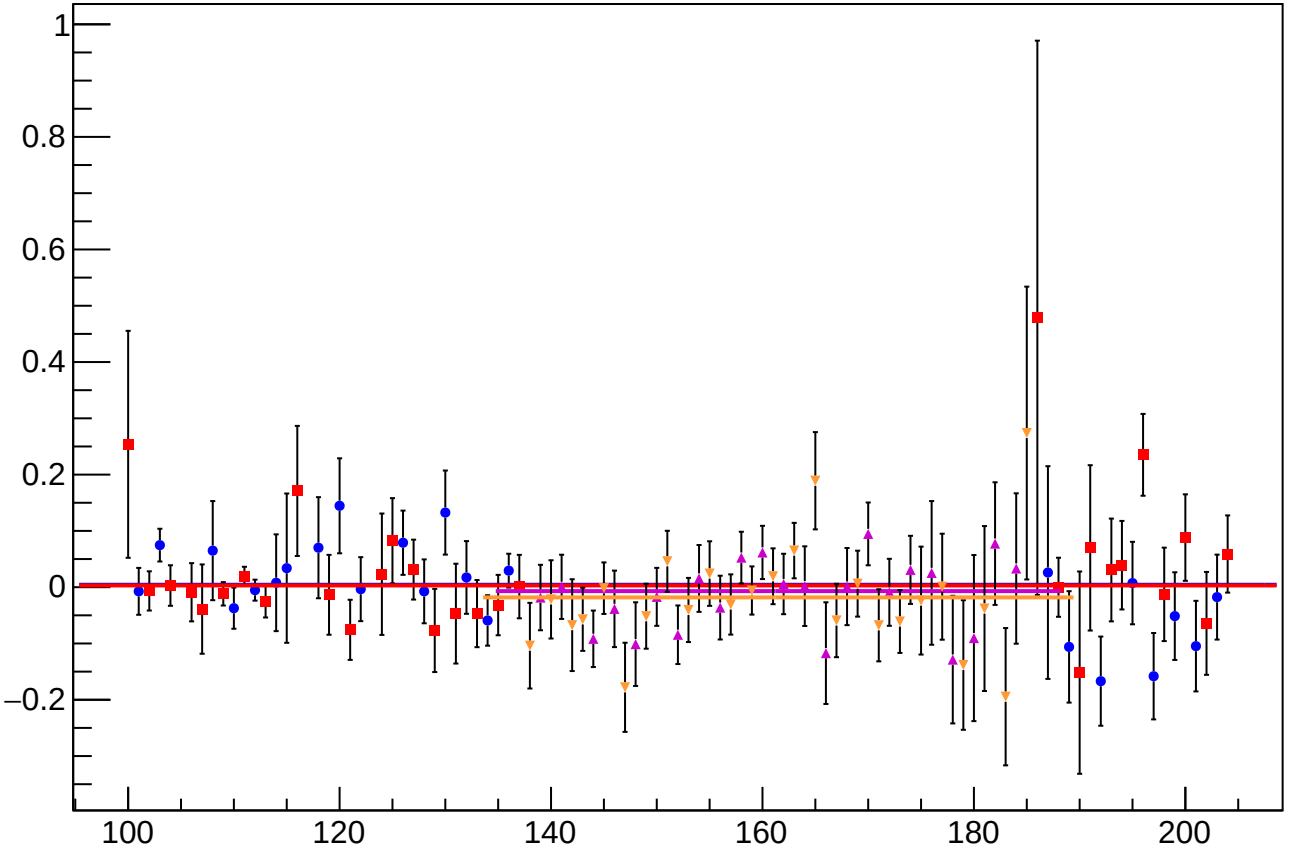
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 38.853+/-0.006 χ^2/NDF: 13918361.7/48

All: 36.507+/-0.004 χ^2/NDF: 33335125.0/101

- sign 34.517+/-0.005 χ^2/NDF: 19087964.6/52

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.010 χ^2/NDF: 31.6/23

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.003+/-0.009 χ^2/NDF: 27.7/29

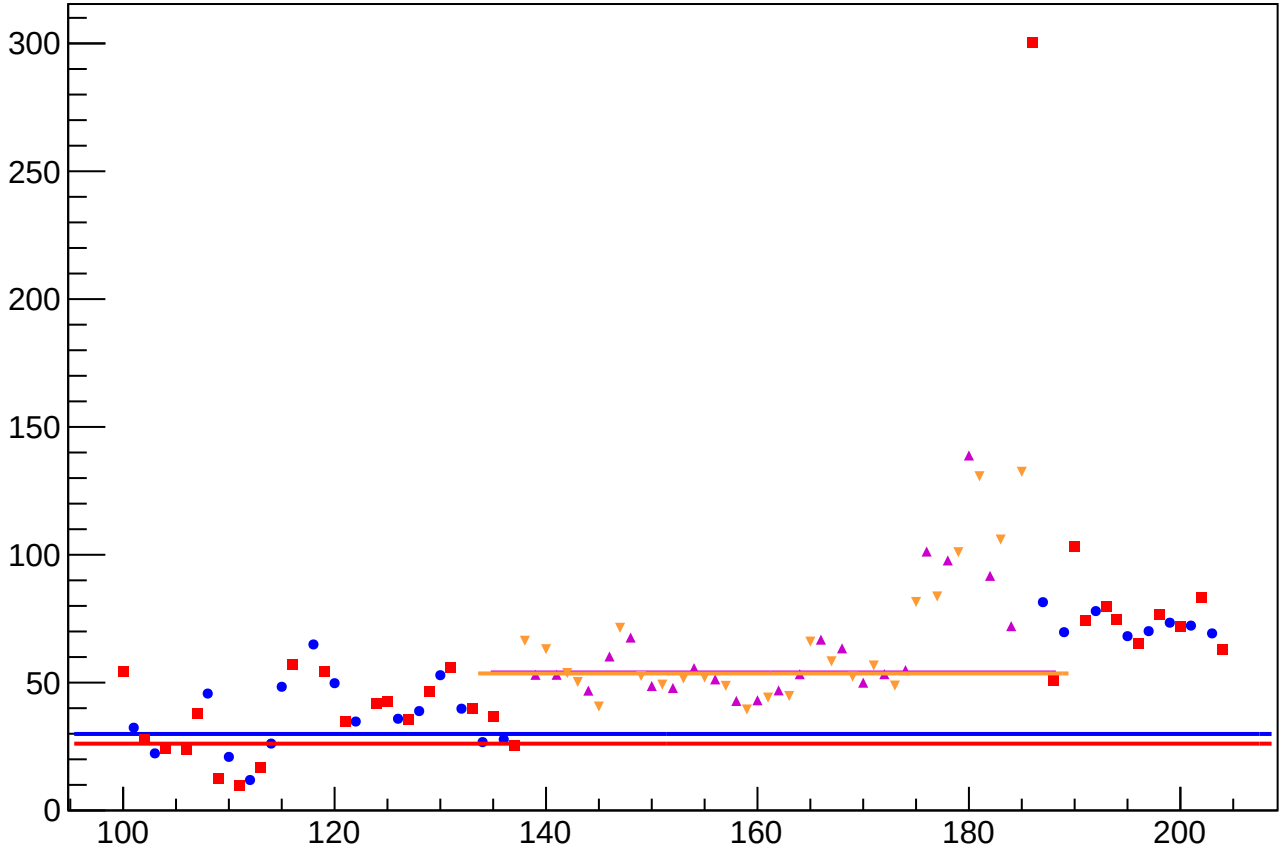
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.004+/-0.008 χ^2/NDF: 57.9/48

All: -0.002+/-0.005 χ^2/NDF: 104.8/101

- sign 0.000+/-0.007 χ^2/NDF: 46.8/52

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.919+/-0.007 χ^2/NDF: 7021603.0/23

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

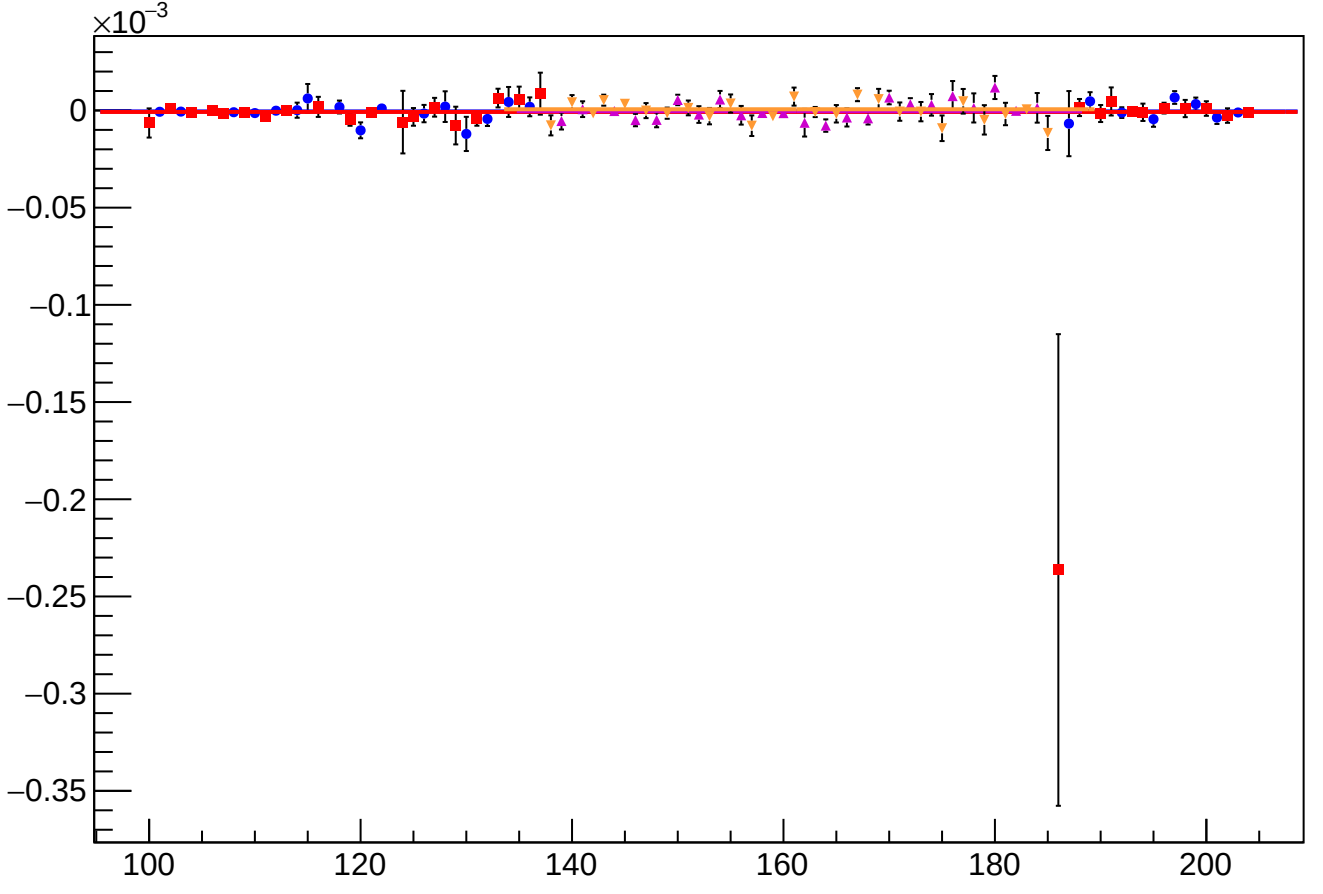
Right Out: 26.124+/-0.006 χ^2/NDF: 10829034.0/29

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 38.853+/-0.006 χ^2/NDF: 13918361.7/48

All: 36.507+/-0.004 χ^2/NDF: 33335125.0/101

- sign 34.517+/-0.005 χ^2/NDF: 19087964.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.7/29

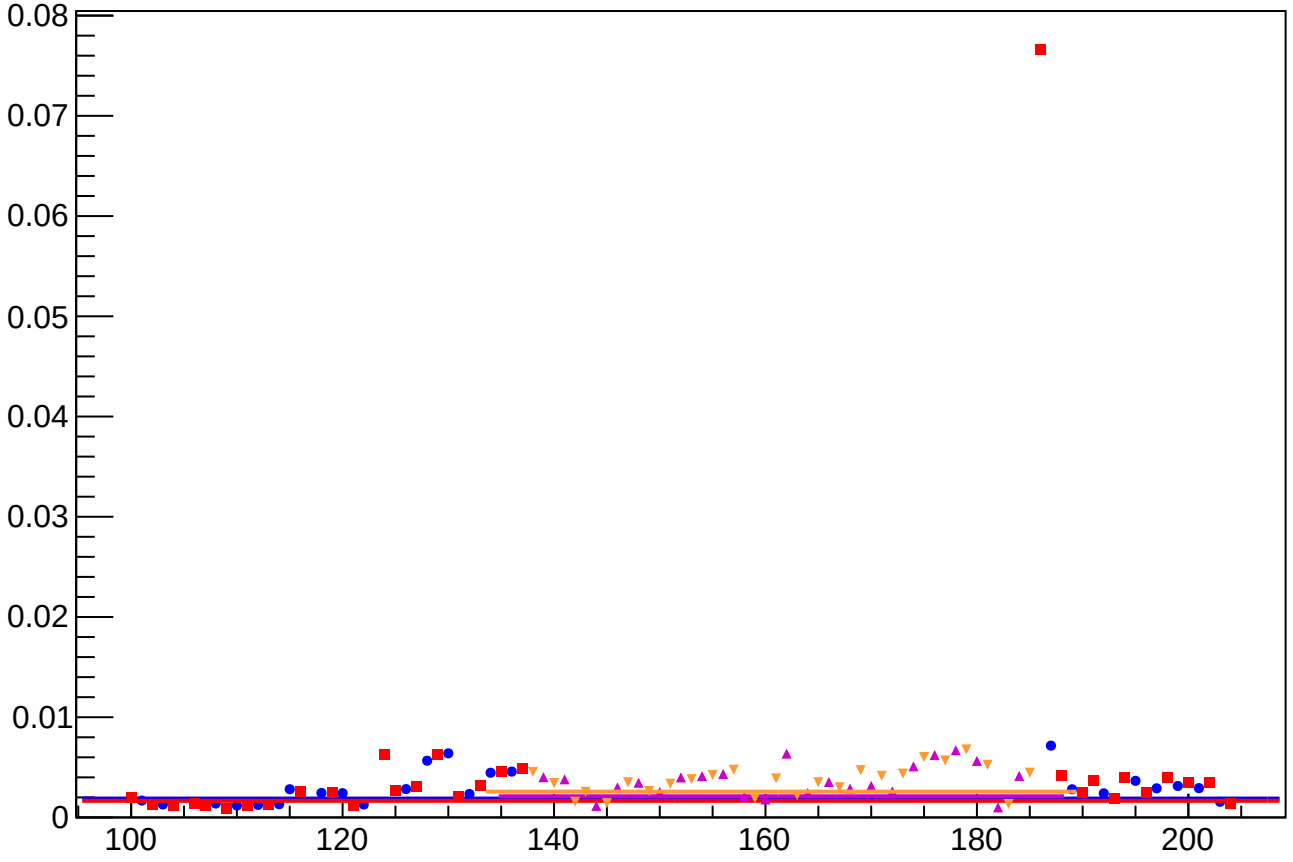
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.5/48

All: -0.000+/-0.000 χ^2/NDF: 103.4/101

- sign -0.000+/-0.000 χ^2/NDF: 48.9/52

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4644387.8/23

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7281014.5/29

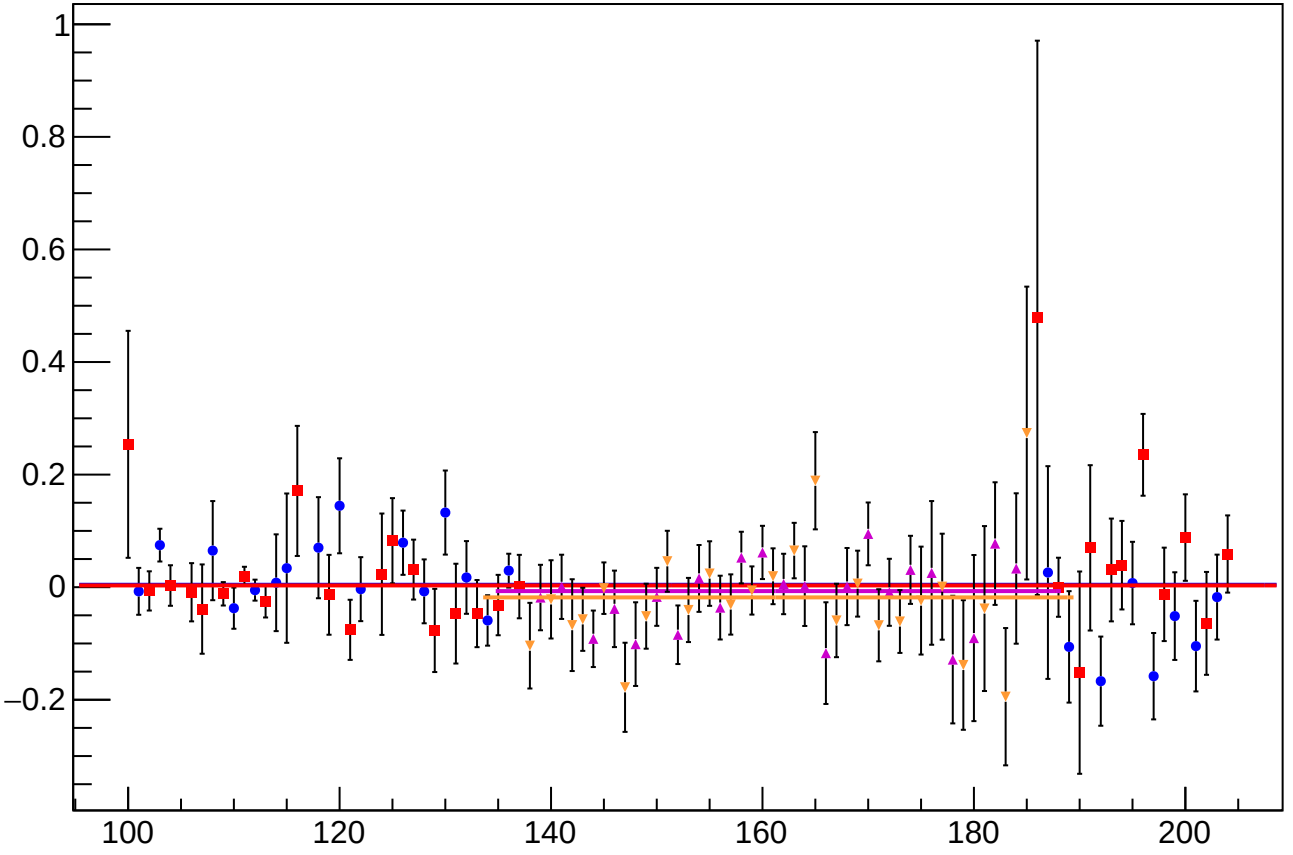
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12976317.0/48

All: 0.002+/-0.000 χ^2/NDF: 31114863.2/101

- sign 0.002+/-0.000 χ^2/NDF: 17463522.0/52

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.010 χ^2/NDF: 31.6/23

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.003+/-0.009 χ^2/NDF: 27.7/29

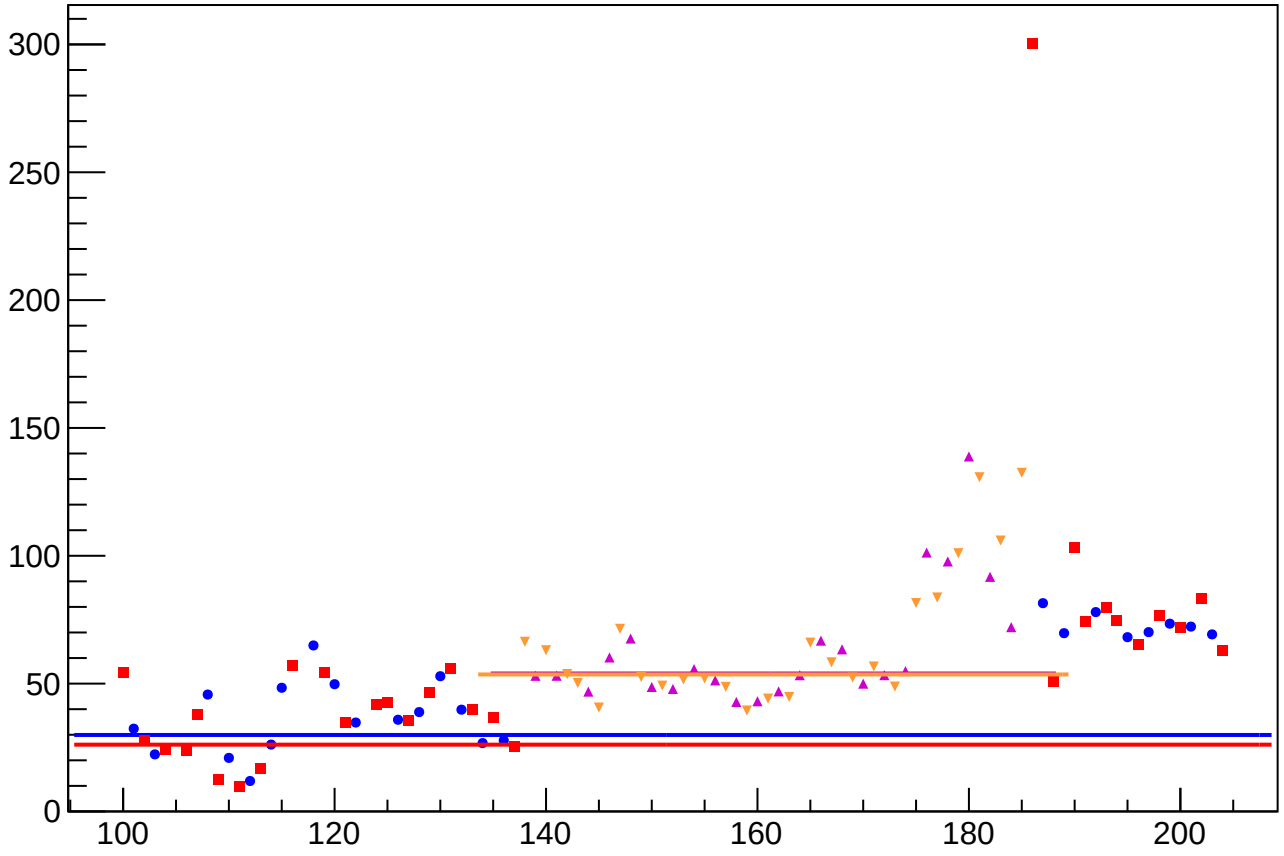
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.004+/-0.008 χ^2/NDF: 57.9/48

All: -0.002+/-0.005 χ^2/NDF: 104.8/101

- sign 0.000+/-0.007 χ^2/NDF: 46.8/52

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.918+/-0.007 χ^2/NDF: 7021677.6/23

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

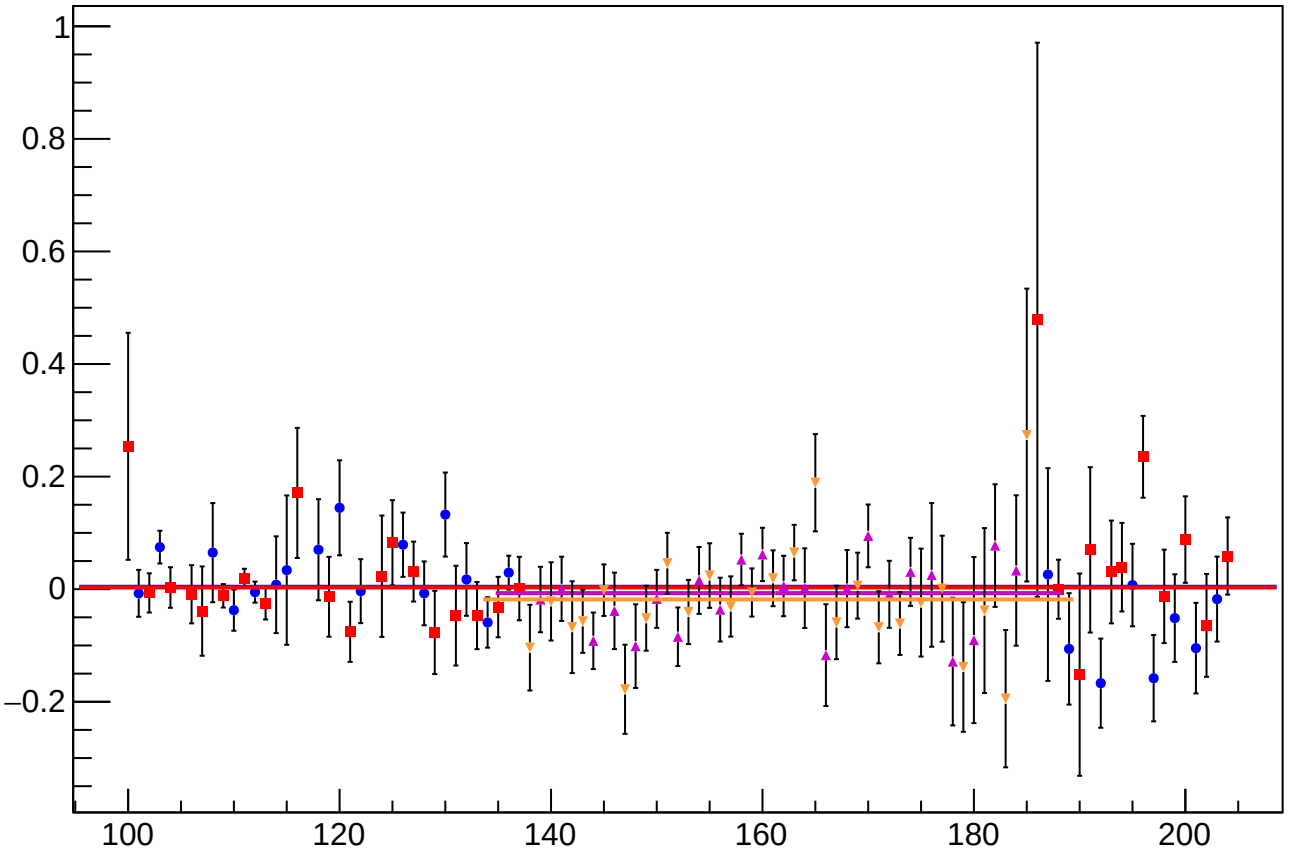
Right Out: 26.123+/-0.006 χ^2/NDF: 10829212.8/29

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 38.852+/-0.006 χ^2/NDF: 13918846.9/48

All: 36.506+/-0.004 χ^2/NDF: 33336320.7/101

- sign 34.516+/-0.005 χ^2/NDF: 19088647.4/52



Right In: 0.004+/-0.010 χ^2/NDF: 31.6/23

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

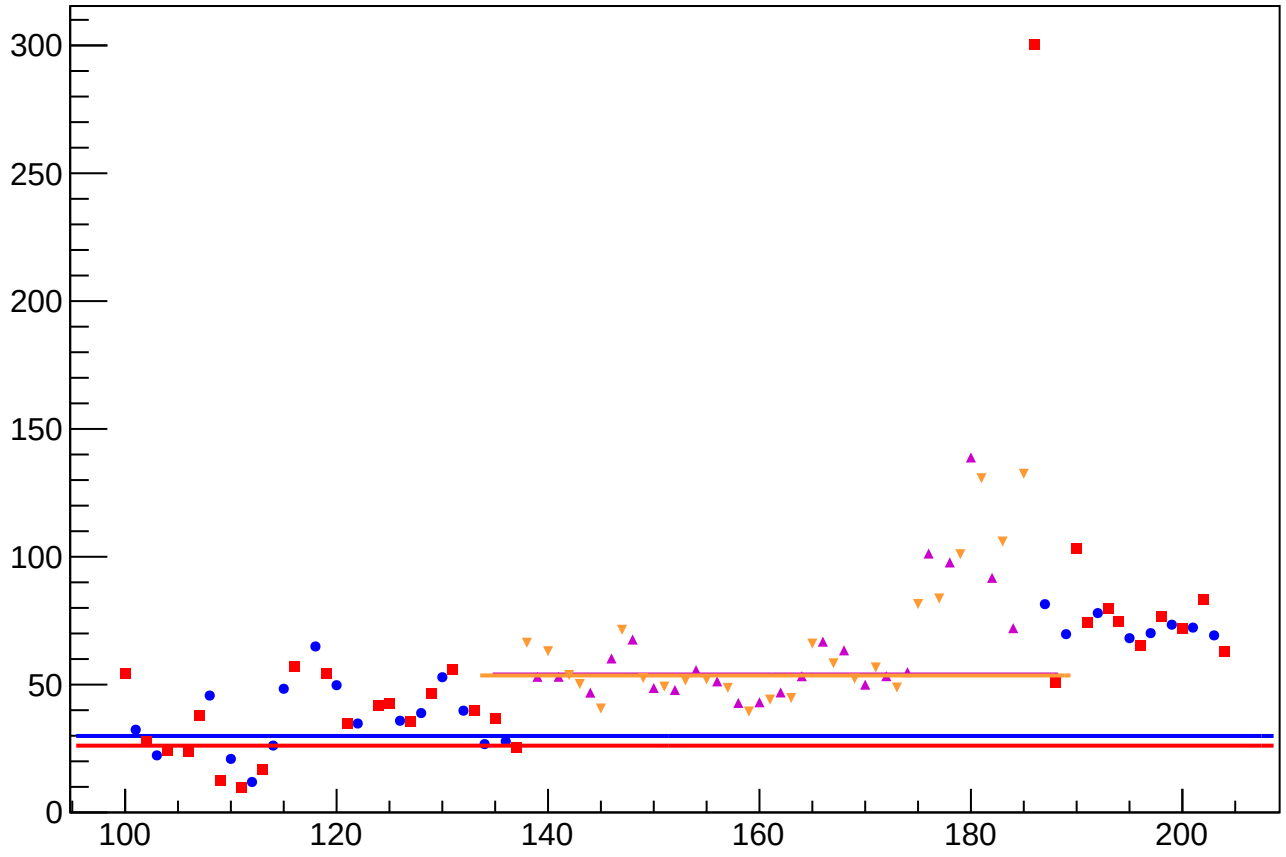
Right Out: 0.003+/-0.009 χ^2/NDF: 27.7/29

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.004+/-0.008 χ^2/NDF: 57.9/48

All: -0.002+/-0.005 χ^2/NDF: 104.8/101

- sign 0.000+/-0.007 χ^2/NDF: 46.8/52



Right In: 29.918+/-0.007 χ^2/NDF: 7021677.6/23

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

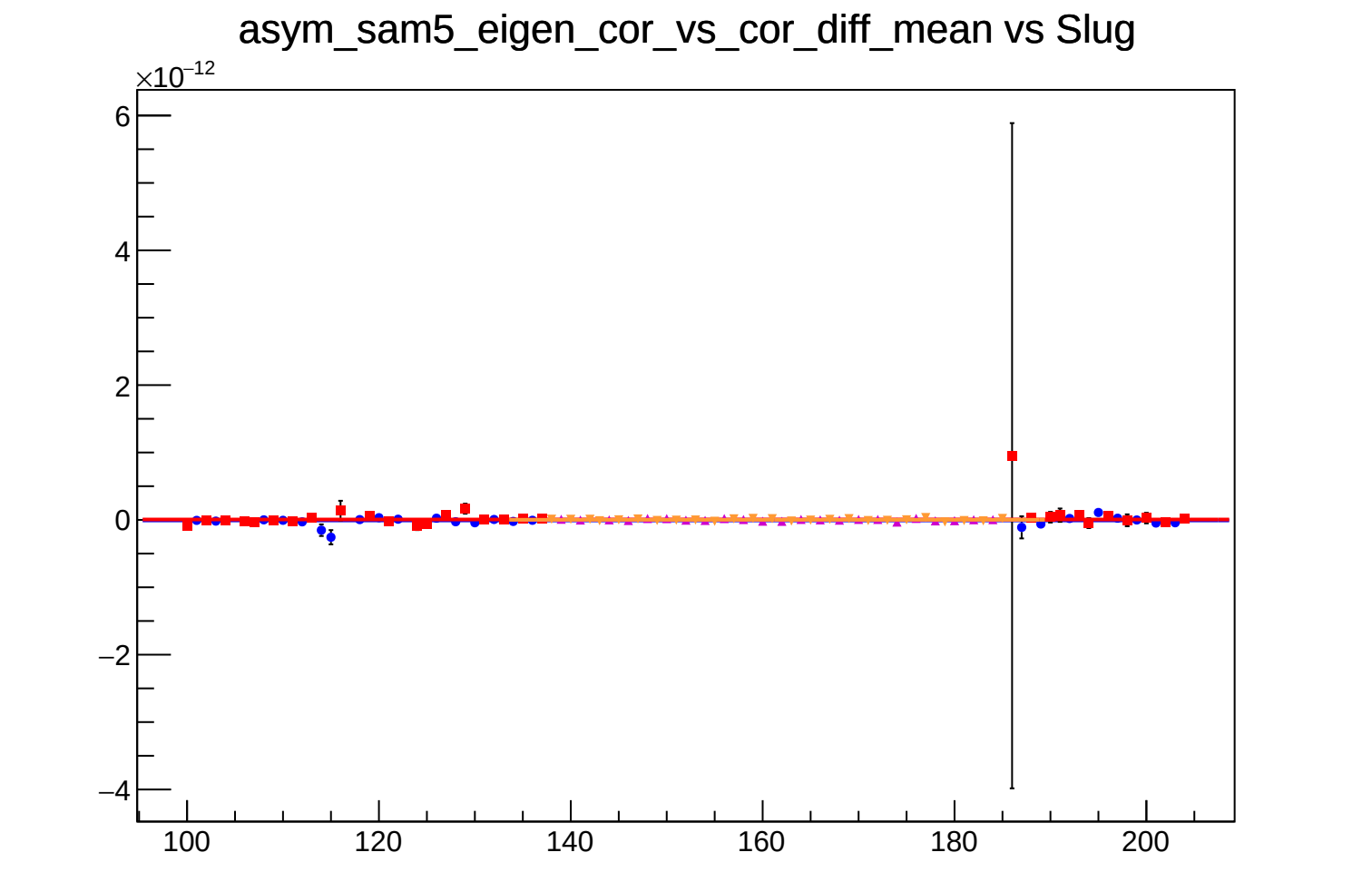
Right Out: 26.123+/-0.006 χ^2/NDF: 10829212.8/29

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

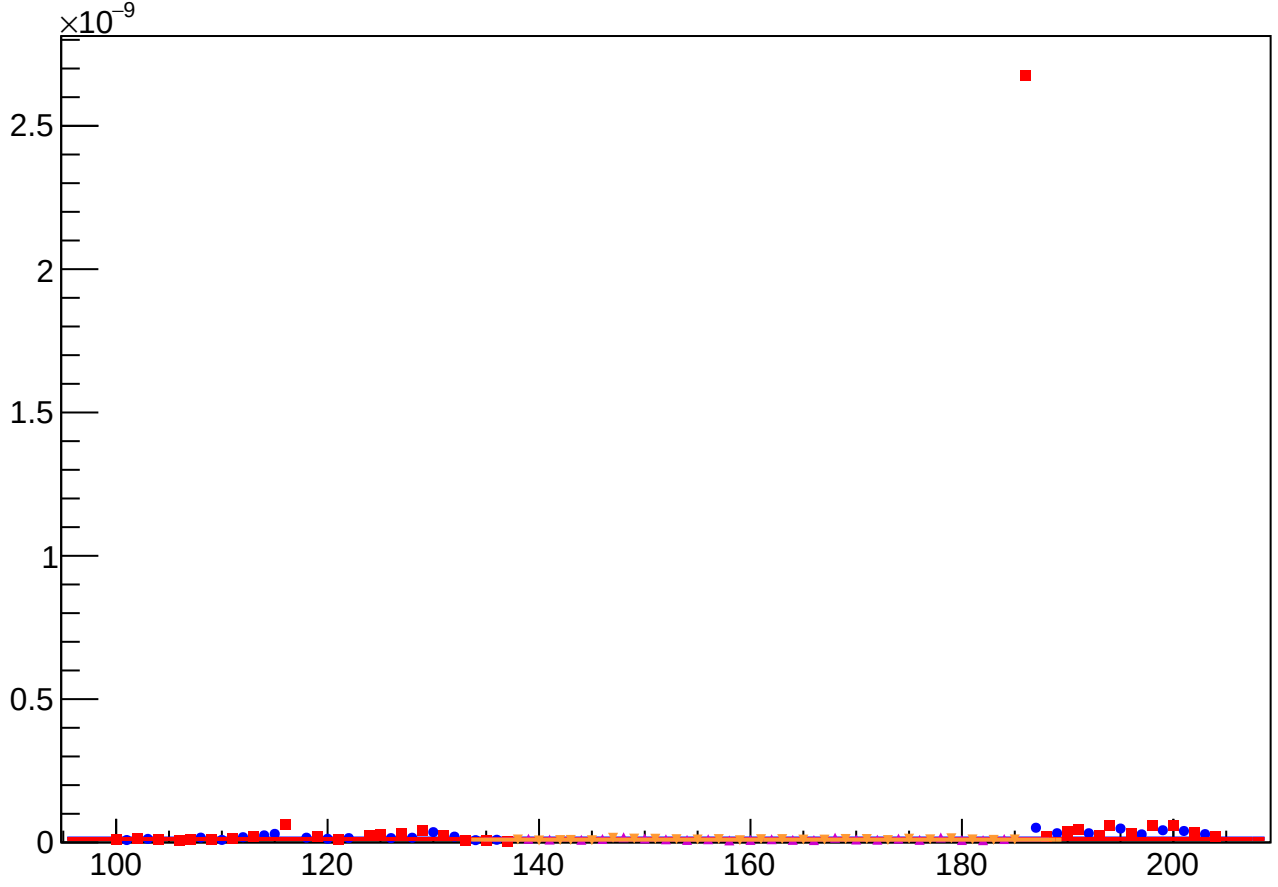
+ sign 38.852+/-0.006 χ^2/NDF: 13918846.9/48

All: 36.506+/-0.004 χ^2/NDF: 33336320.7/101

- sign 34.516+/-0.005 χ^2/NDF: 19088647.4/52


asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 21.8/23
Left Out: 0.000+/-0.000 χ²/NDF:27.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.2/29
Left In: 0.000+/-0.000 χ²/NDF:18.1/22
+ sign -0.000+/-0.000 χ²/NDF: 51.6/48
All: 0.000+/-0.000 χ²/NDF: 106.3/101
- sign 0.000+/-0.000 χ²/NDF: 54.2/52

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4435826.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7584388.6/29

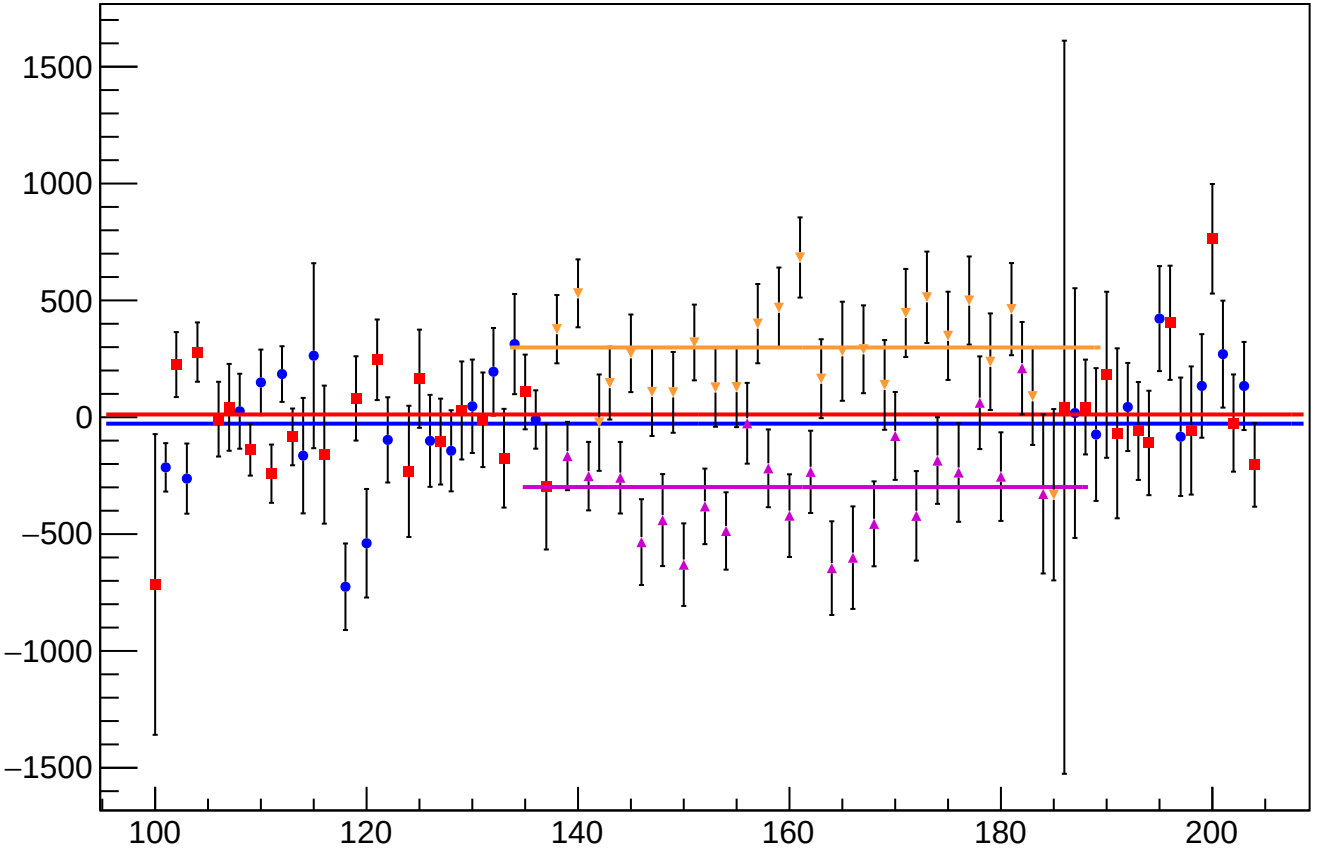
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6404368.8/48

All: 0.000+/-0.000 χ^2/NDF: 15524852.1/101

- sign 0.000+/-0.000 χ^2/NDF: 9119405.2/52

reg_asym_sam6_mean vs Slug



Right In: -27.466+/-36.668 χ^2/NDF: 42.5/23

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 11.909+/-34.348 χ^2/NDF: 36.4/29

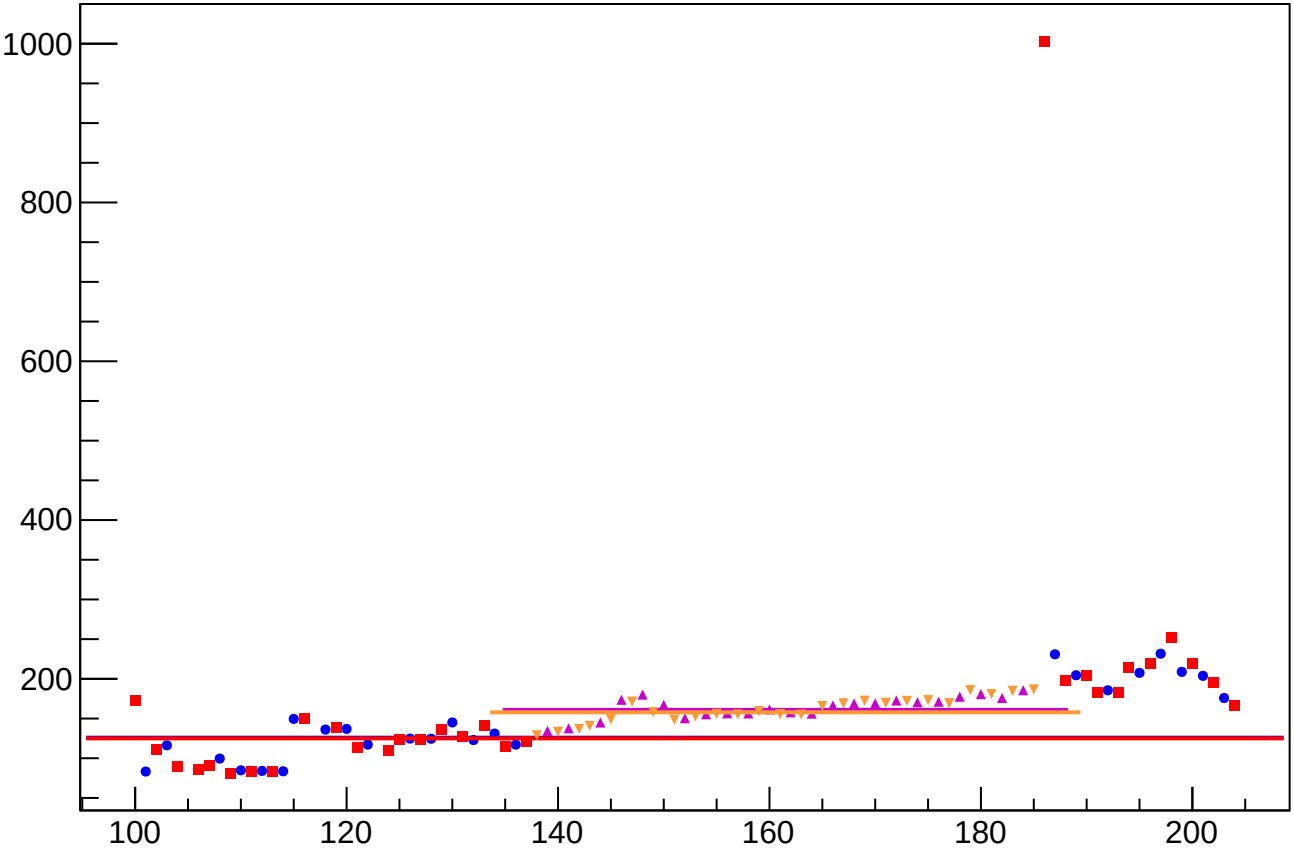
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 138.294+/-25.707 χ^2/NDF: 108.6/48

All: 3.105+/-18.068 χ^2/NDF: 266.2/101

- sign -128.853+/-25.398 χ^2/NDF: 102.9/52

reg_asym_sam6_rms vs Slug



Right In: 125.866+/-0.026 χ^2/NDF: 2626454.9/23

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 125.014+/-0.024 χ^2/NDF: 4121742.0/29

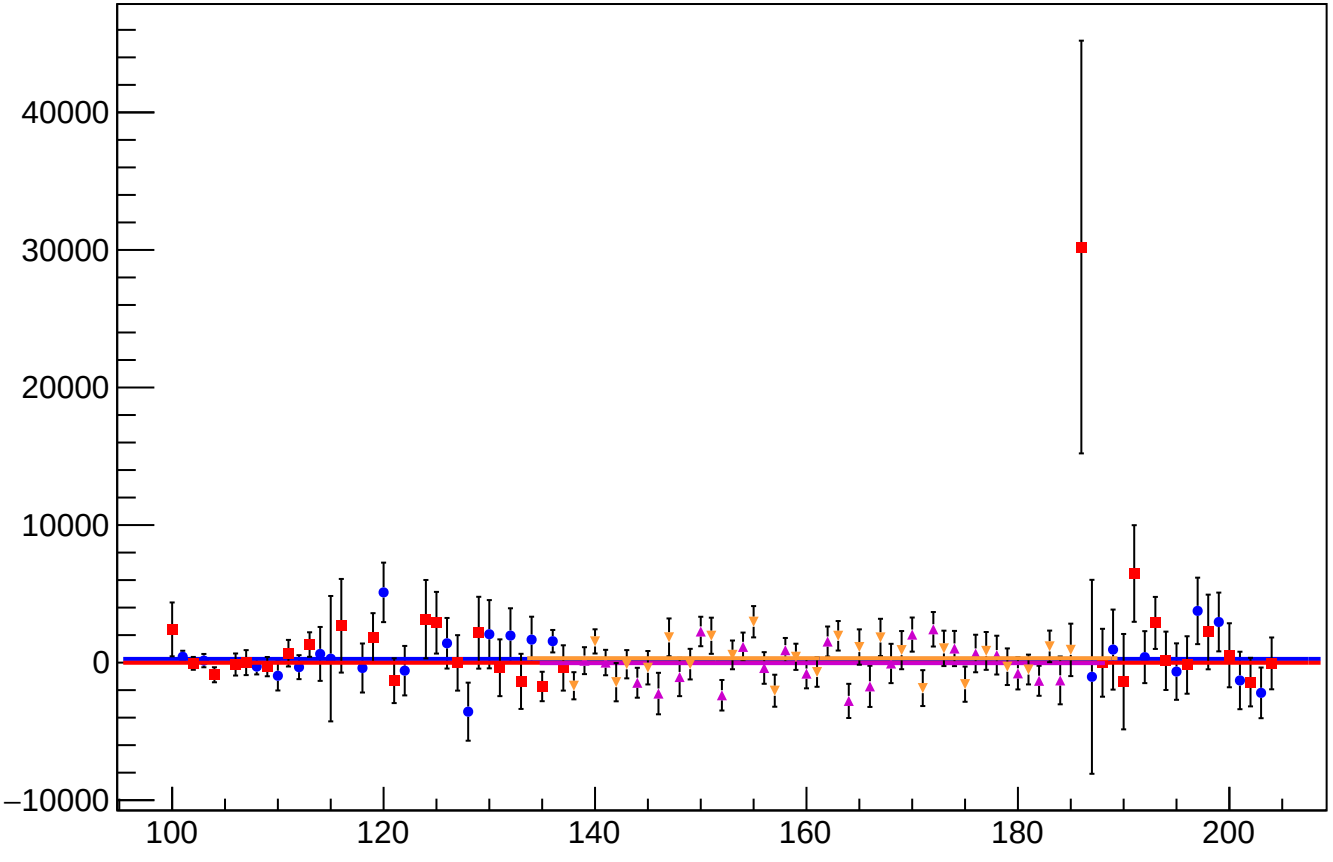
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.123+/-0.018 χ^2/NDF: 3776719.7/48

All: 141.689+/-0.013 χ^2/NDF: 9155976.1/101

- sign 141.266+/-0.018 χ^2/NDF: 5378132.5/52

asym_sam6_reg_correction_mean vs Slug



Right In: 269.916+/-221.592 χ^2/NDF: 22.8/23

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -10.544+/-220.641 χ^2/NDF: 27.5/29

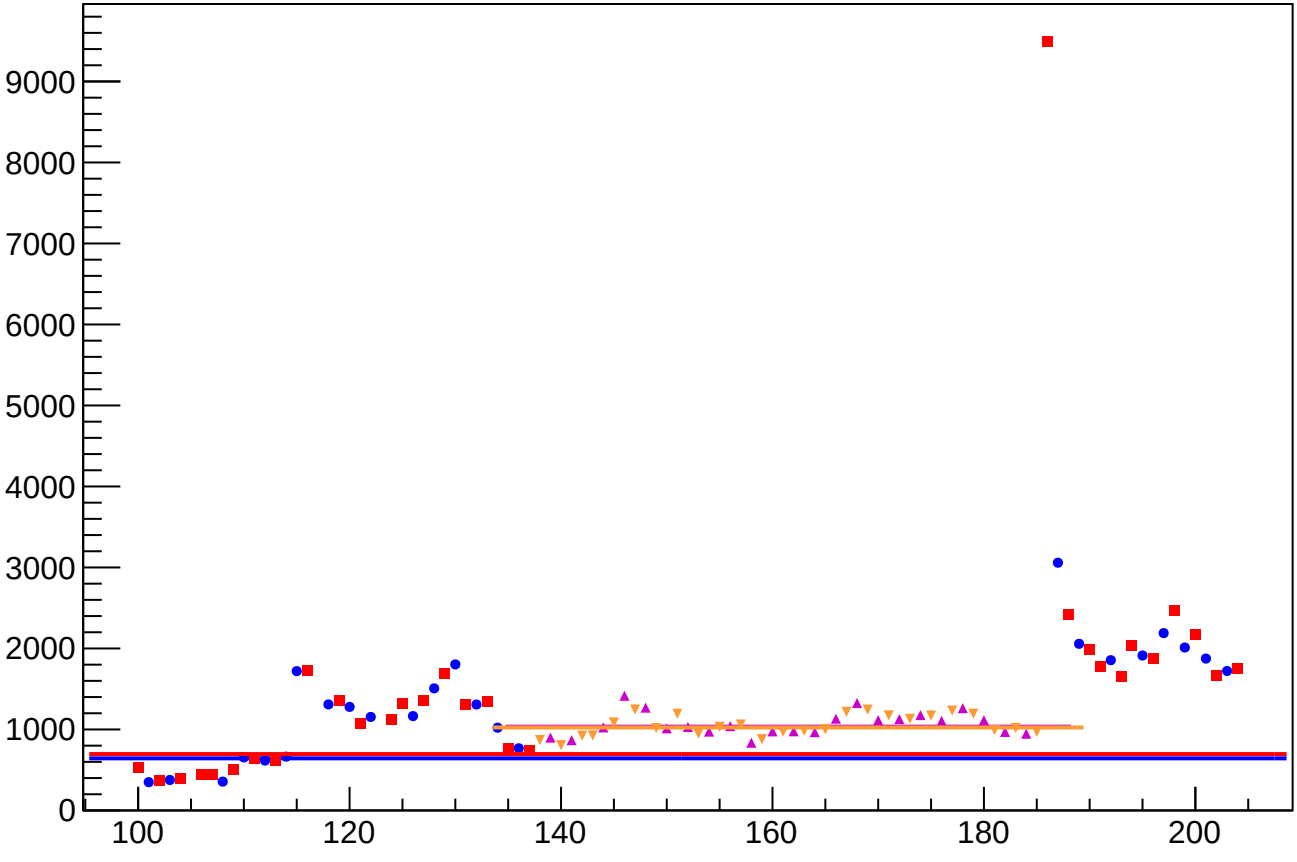
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 293.455+/-161.248 χ^2/NDF: 55.3/48

All: 137.407+/-114.877 χ^2/NDF: 119.5/101

- sign -23.424+/-163.700 χ^2/NDF: 62.3/52

asym_sam6_reg_correction_rms vs Slug



Right In: 643.242+/-0.157 χ^2/NDF: 9384071.4/23

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 696.139+/-0.156 χ^2/NDF: 10729861.9/29

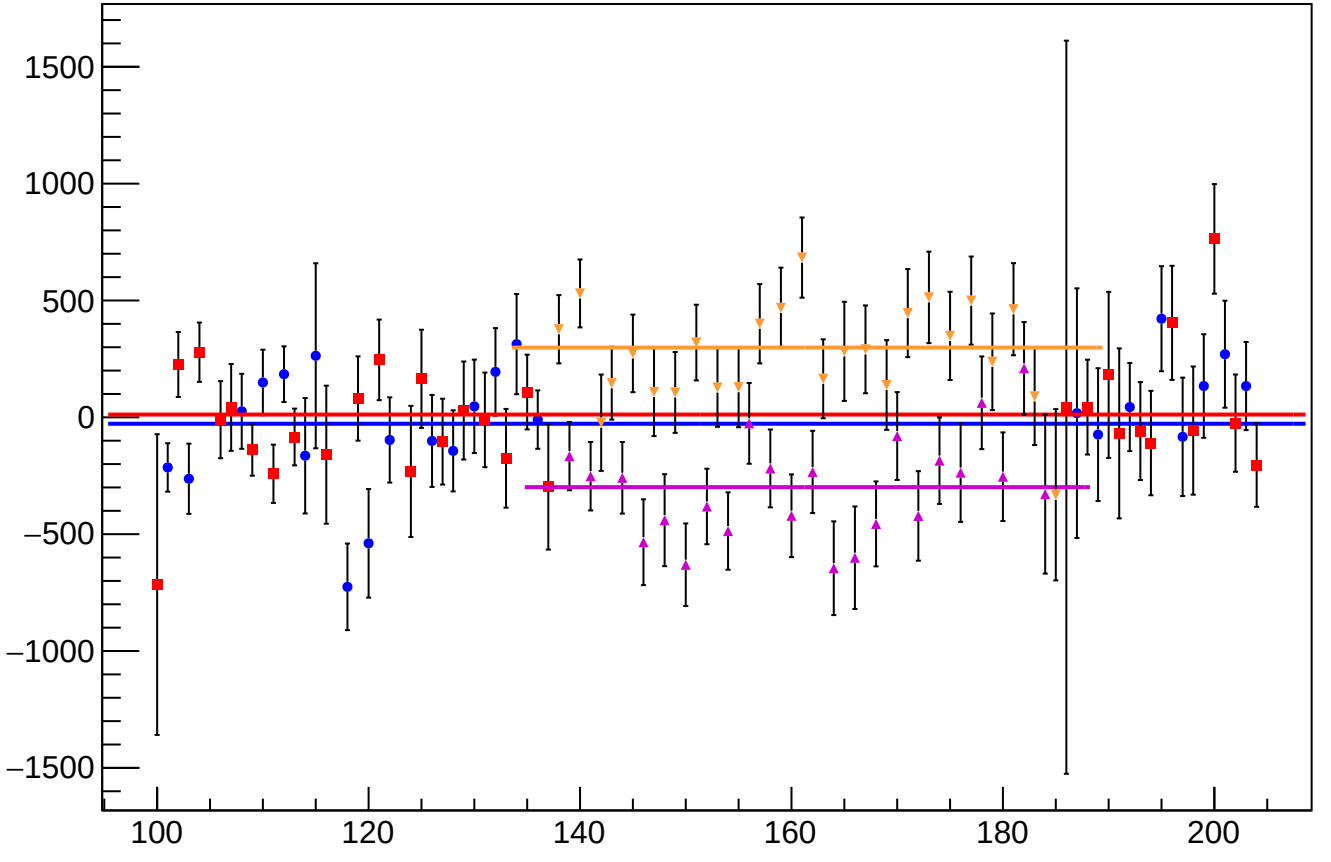
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 822.614+/-0.114 χ^2/NDF: 12767090.5/48

All: 835.220+/-0.081 χ^2/NDF: 26263727.7/10

- sign 848.212+/-0.116 χ^2/NDF: 13471816.1/52

cor_asym_sam6_mean vs Slug



Right In: -27.487+/-36.668 χ^2/NDF: 42.5/23

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 11.909+/-34.396 χ^2/NDF: 36.4/29

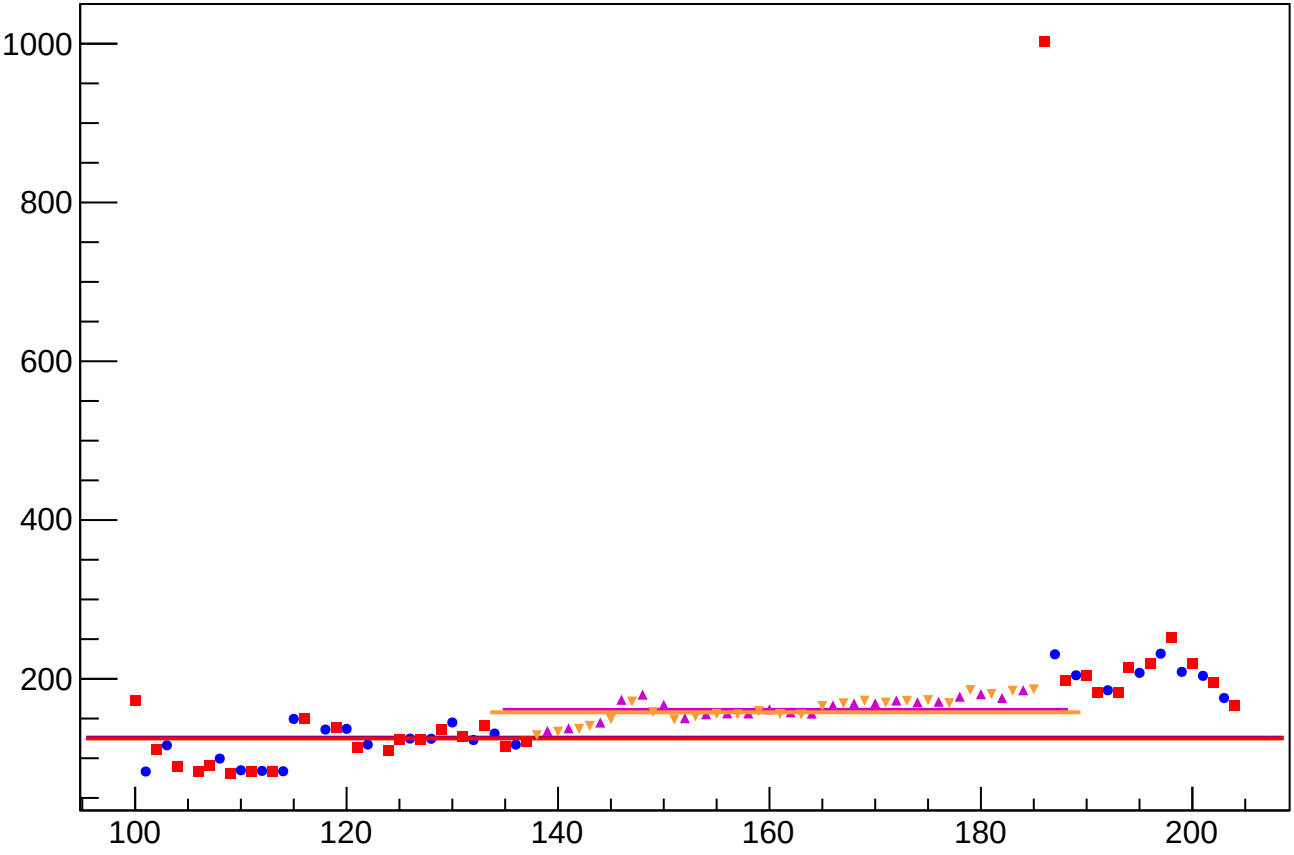
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 138.284+/-25.707 χ^2/NDF: 108.7/48

All: 3.092+/-18.075 χ^2/NDF: 266.2/101

- sign -129.073+/-25.418 χ^2/NDF: 102.8/52

cor_asym_sam6_rms vs Slug



Right In: 125.867+/-0.026 χ^2/NDF: 2626453.5/23

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

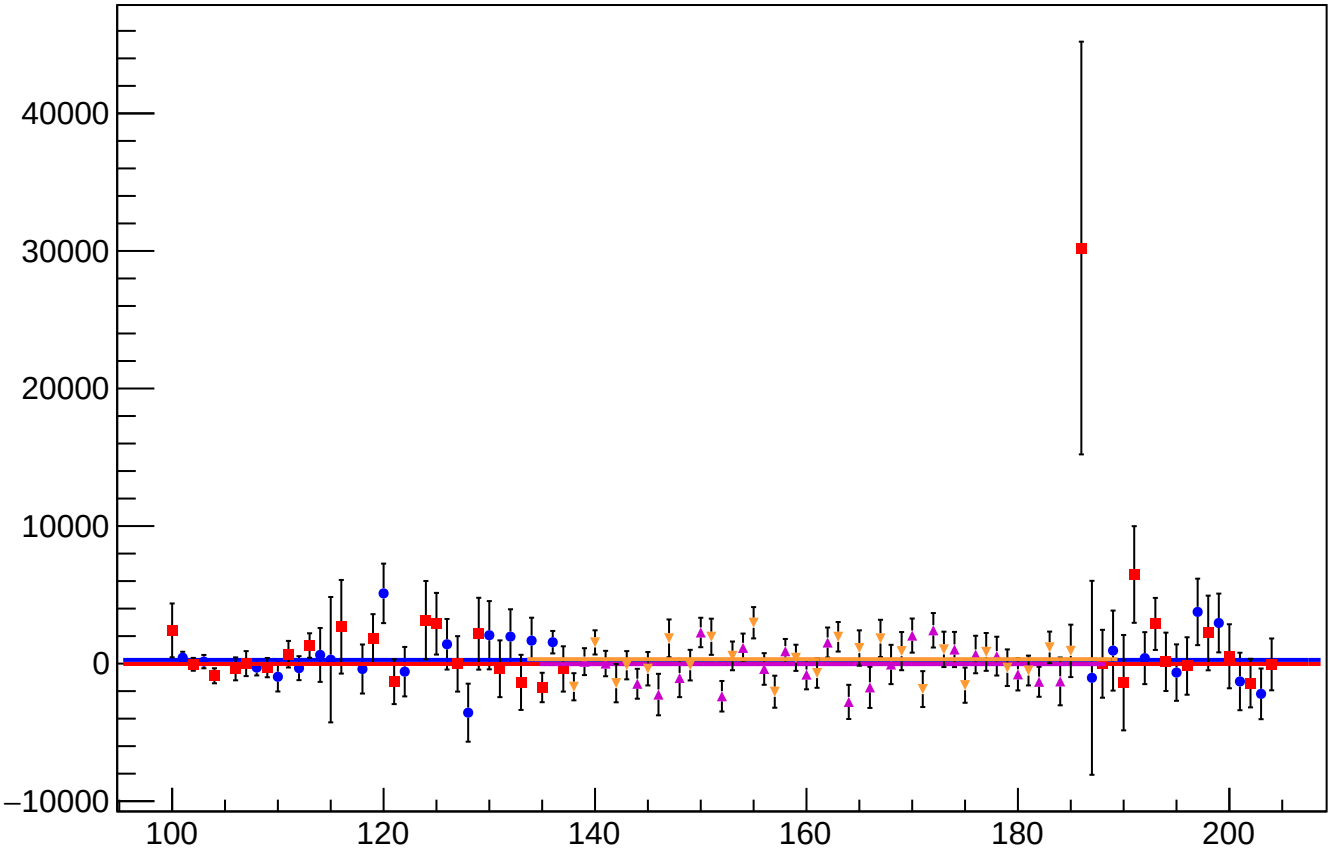
Right Out: 124.987+/-0.024 χ^2/NDF: 4133312.5/29

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.123+/-0.018 χ^2/NDF: 3776715.5/48

All: 141.695+/-0.013 χ^2/NDF: 9167736.7/101

- sign 141.277+/-0.018 χ^2/NDF: 5389924.9/52



Right In: 270.046+/-221.586 χ^2/NDF: 22.8/23

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -26.231+/-221.178 χ^2/NDF: 27.6/29

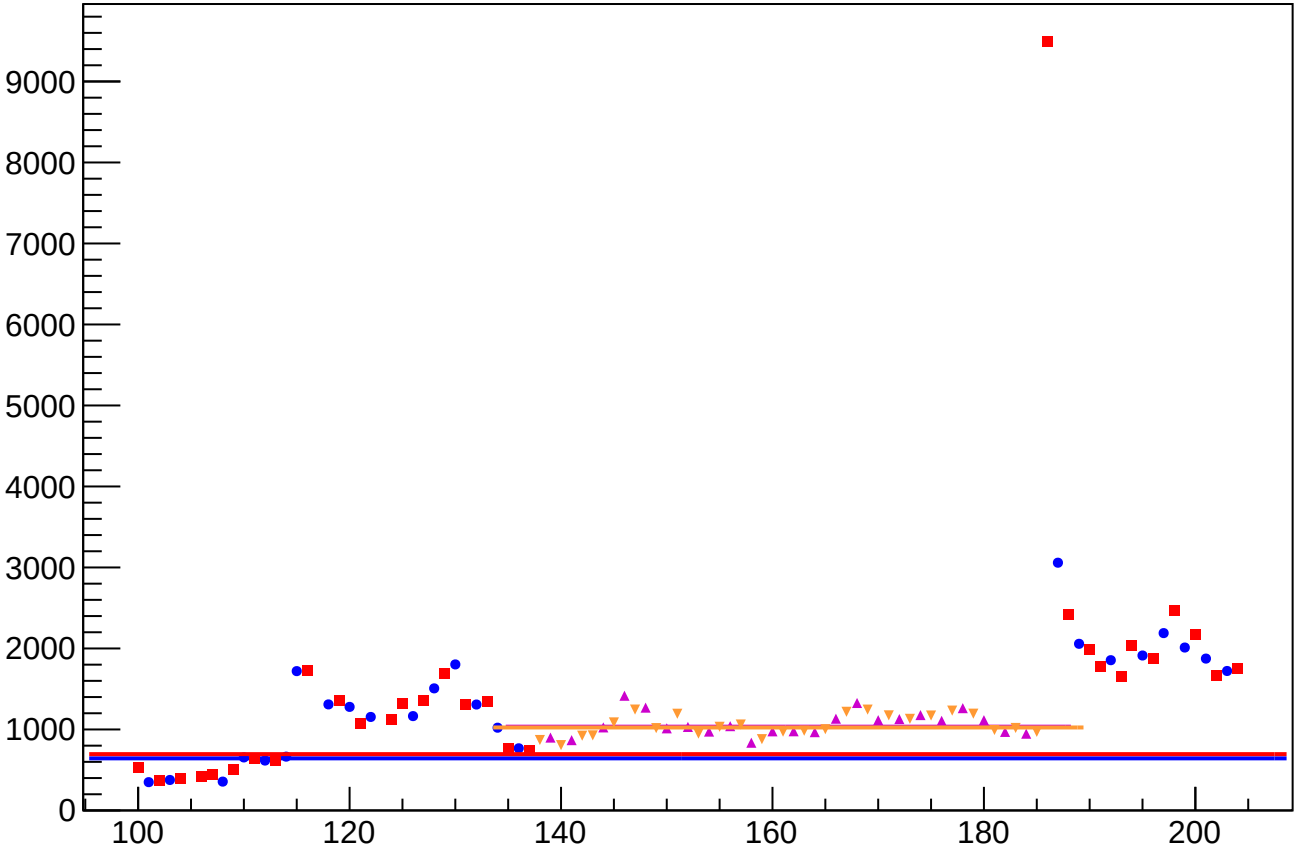
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 293.526+/-161.246 χ^2/NDF: 55.3/48

All: 133.402+/-114.952 χ^2/NDF: 119.8/101

- sign -32.076+/-163.920 χ^2/NDF: 62.4/52

asym_sam6_cor_correction_rms vs Slug



Right In: 643.216+/-0.157 χ^2/NDF: 9384472.6/23

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 695.368+/-0.156 χ^2/NDF: 10761612.2/29

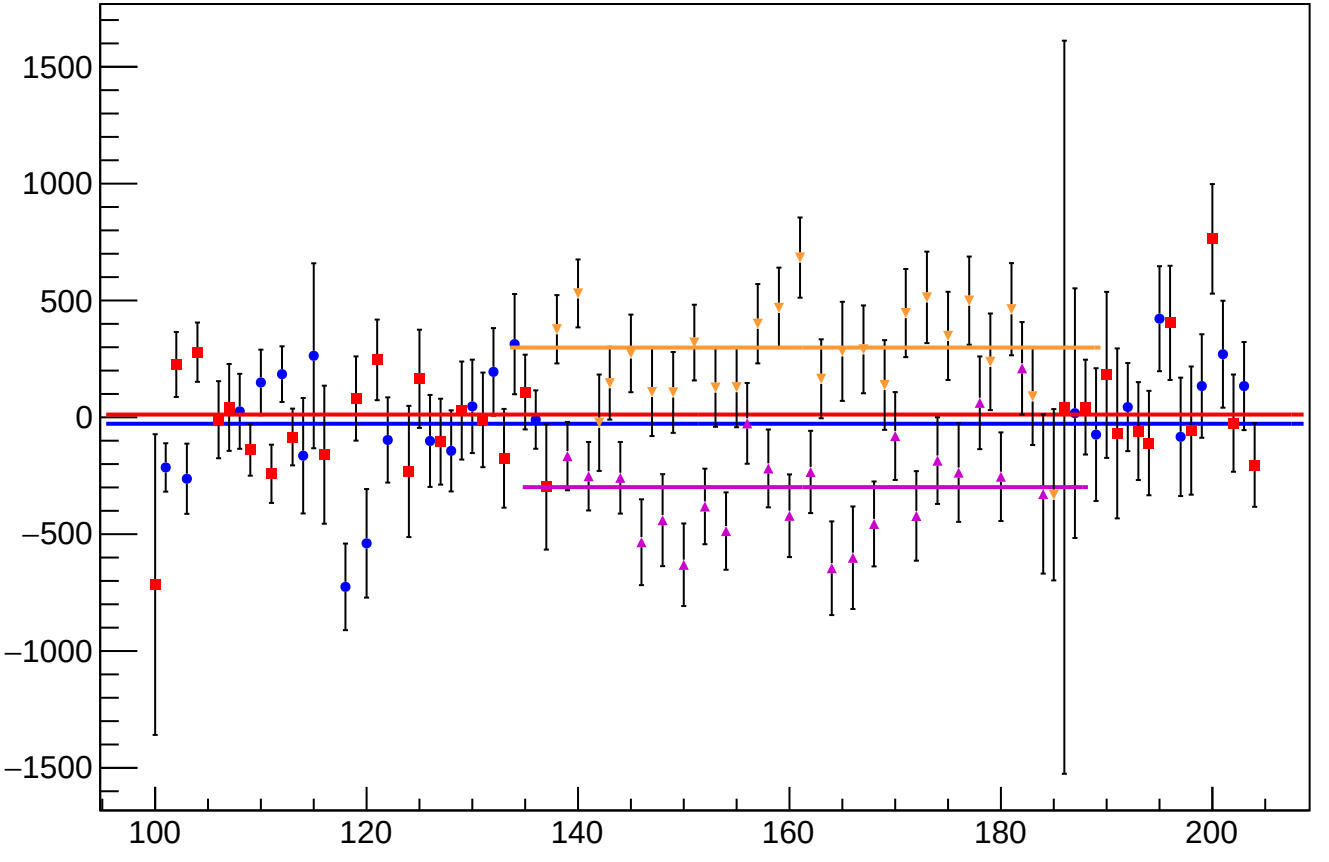
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 822.595+/-0.114 χ^2/NDF: 12767949.5/48

All: 835.185+/-0.081 χ^2/NDF: 26301312.9/10

- sign 848.196+/-0.116 χ^2/NDF: 13508569.6/52

eigen_cor_asym_sam6_mean vs Slug



Right In: -27.487+/-36.668 χ^2/NDF: 42.5/23

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 11.909+/-34.396 χ^2/NDF: 36.4/29

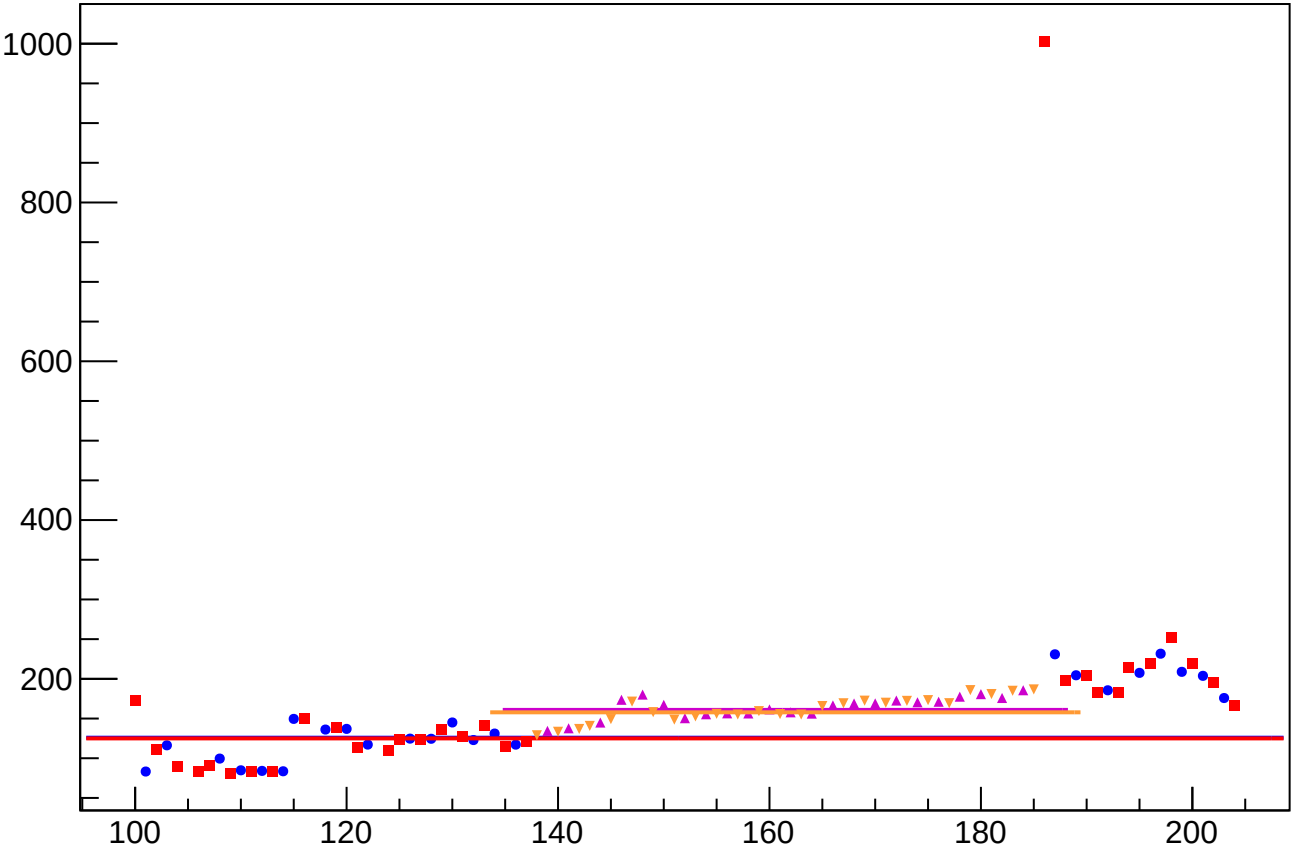
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 138.284+/-25.707 χ^2/NDF: 108.7/48

All: 3.092+/-18.075 χ^2/NDF: 266.2/101

- sign -129.073+/-25.418 χ^2/NDF: 102.8/52

eigen_cor_asym_sam6_rms vs Slug



Right In: 125.867+/-0.026 χ^2/NDF: 2626453.5/23

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

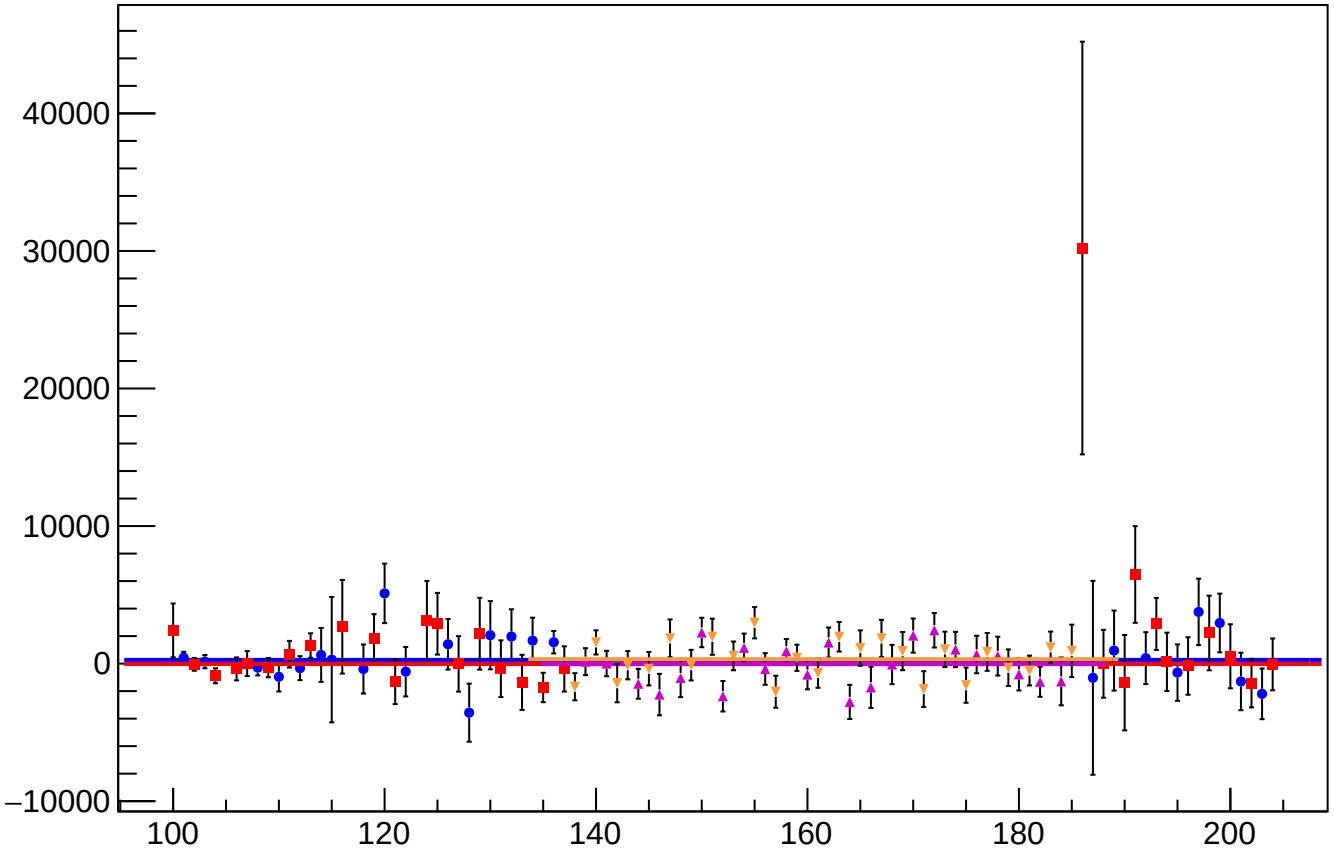
Right Out: 124.987+/-0.024 χ^2/NDF: 4133312.5/29

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.123+/-0.018 χ^2/NDF: 3776715.5/48

All: 141.695+/-0.013 χ^2/NDF: 9167736.7/101

- sign 141.277+/-0.018 χ^2/NDF: 5389924.9/52



Right In: 270.046+/-221.586 χ^2/NDF: 22.8/23

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -26.231+/-221.178 χ^2/NDF: 27.6/29

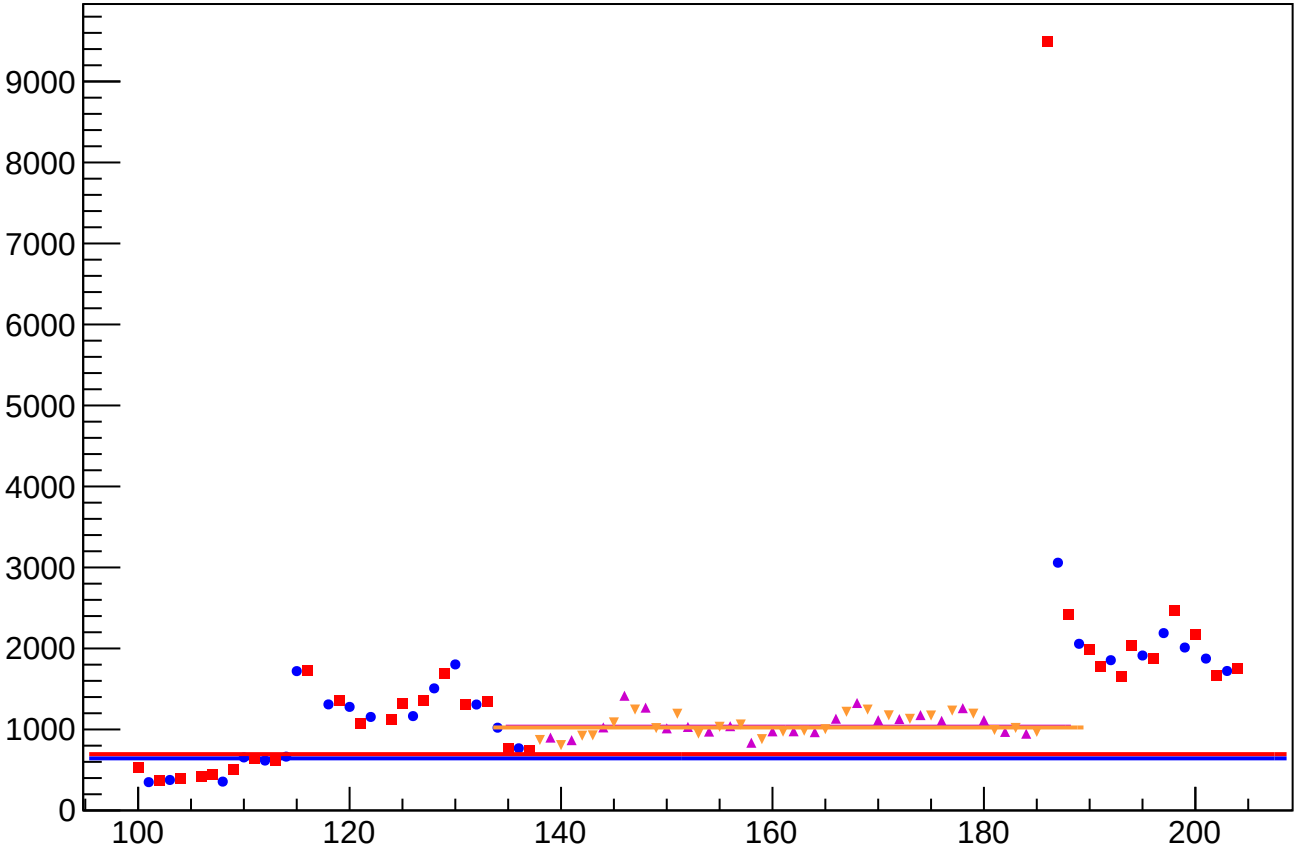
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 293.526+/-161.246 χ^2/NDF: 55.3/48

All: 133.402+/-114.952 χ^2/NDF: 119.8/101

- sign -32.076+/-163.920 χ^2/NDF: 62.4/52

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 643.216+/-0.157 χ^2/NDF: 9384472.6/23

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 695.368+/-0.156 χ^2/NDF: 10761612.2/29

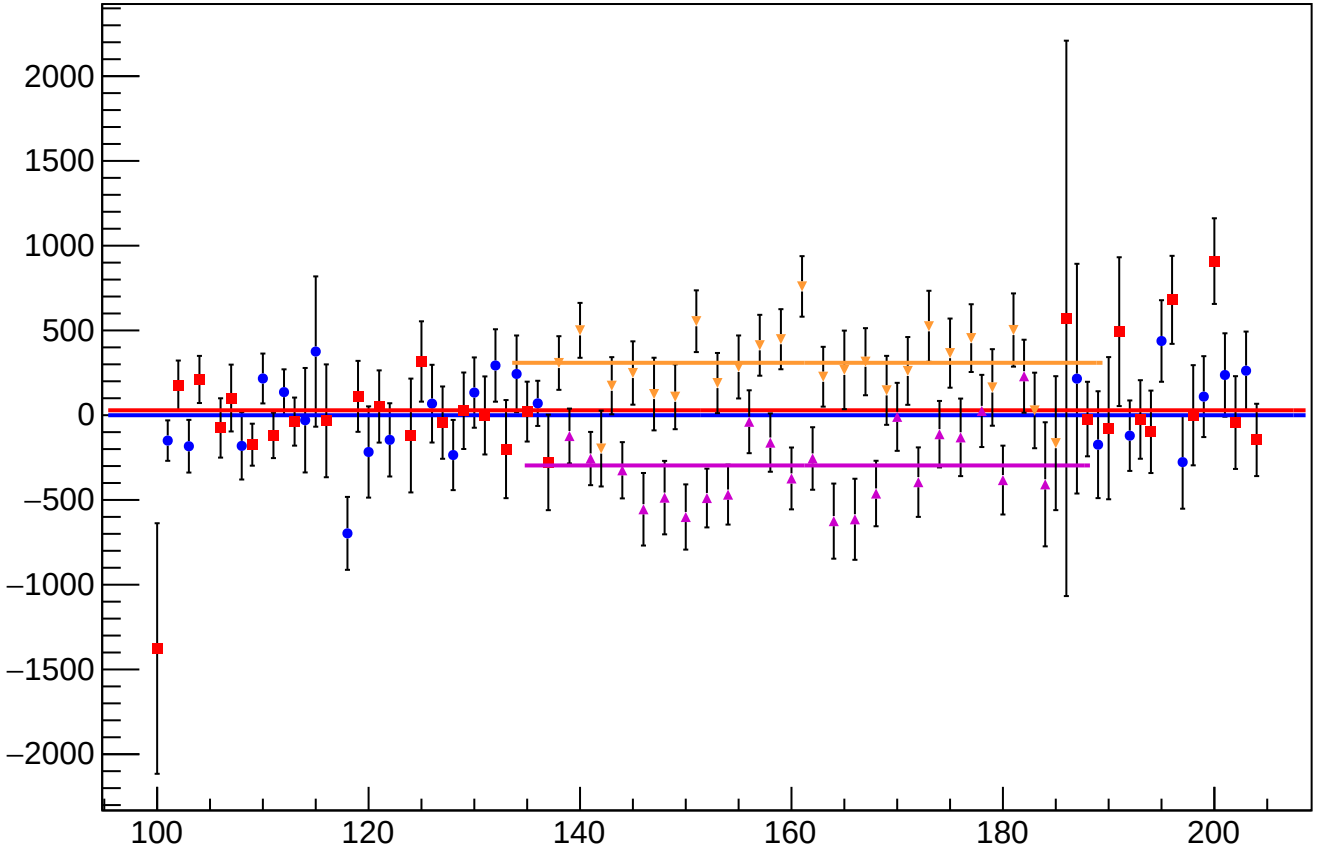
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 822.595+/-0.114 χ^2/NDF: 12767949.5/48

All: 835.185+/-0.081 χ^2/NDF: 26301312.9/10

- sign 848.196+/-0.116 χ^2/NDF: 13508569.6/52

dit_asym_sam6_mean vs Slug



Right In: -0.305+/-41.059 χ^2/NDF: 31.9/23

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 28.918+/-38.584 χ^2/NDF: 35.6/29

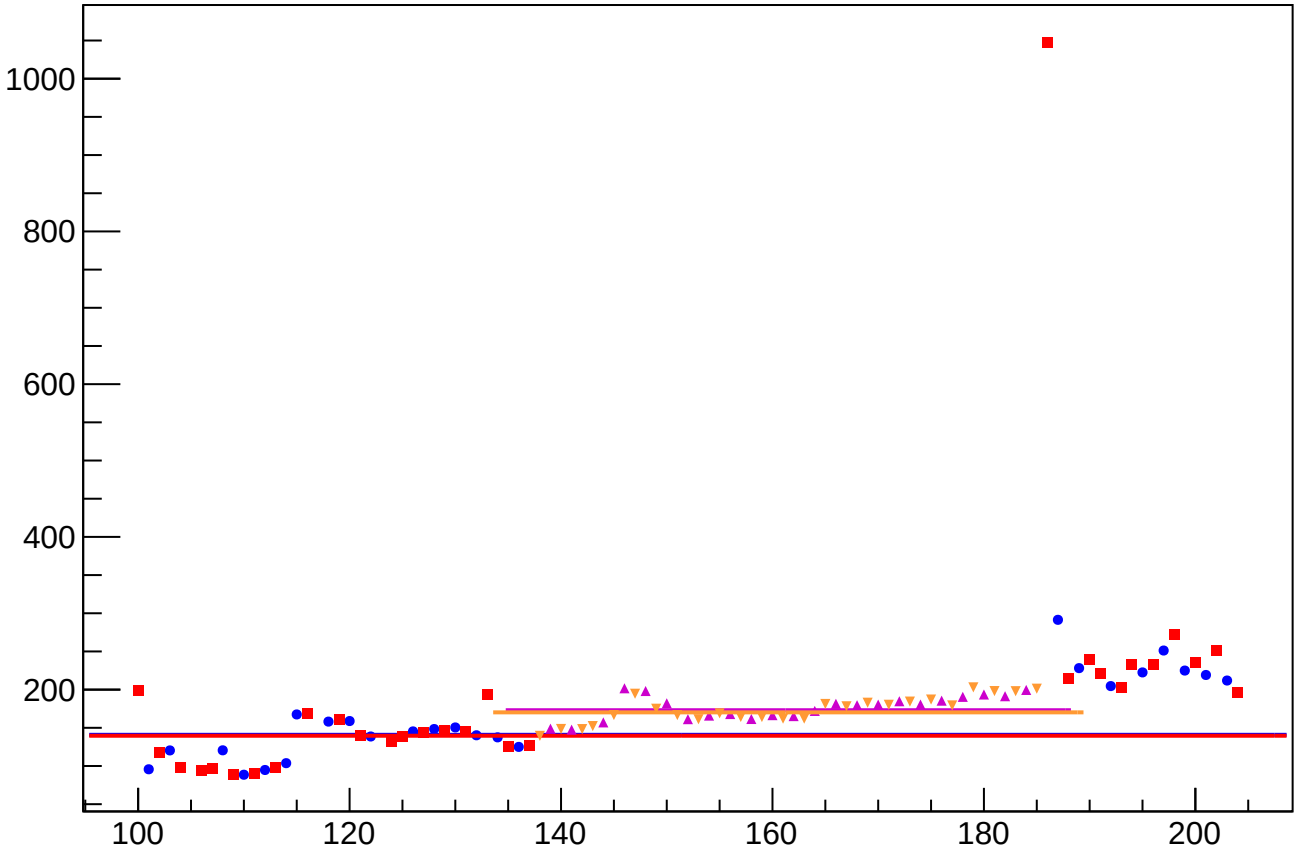
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 162.706+/-28.239 χ^2/NDF: 87.4/48

All: 17.236+/-19.873 χ^2/NDF: 237.2/101

- sign -125.485+/-27.971 χ^2/NDF: 97.2/52

dit_asym_sam6_rms vs Slug



Right In: 140.818+/-0.029 χ^2/NDF: 2558596.2/23

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 139.628+/-0.027 χ^2/NDF: 4287059.5/29

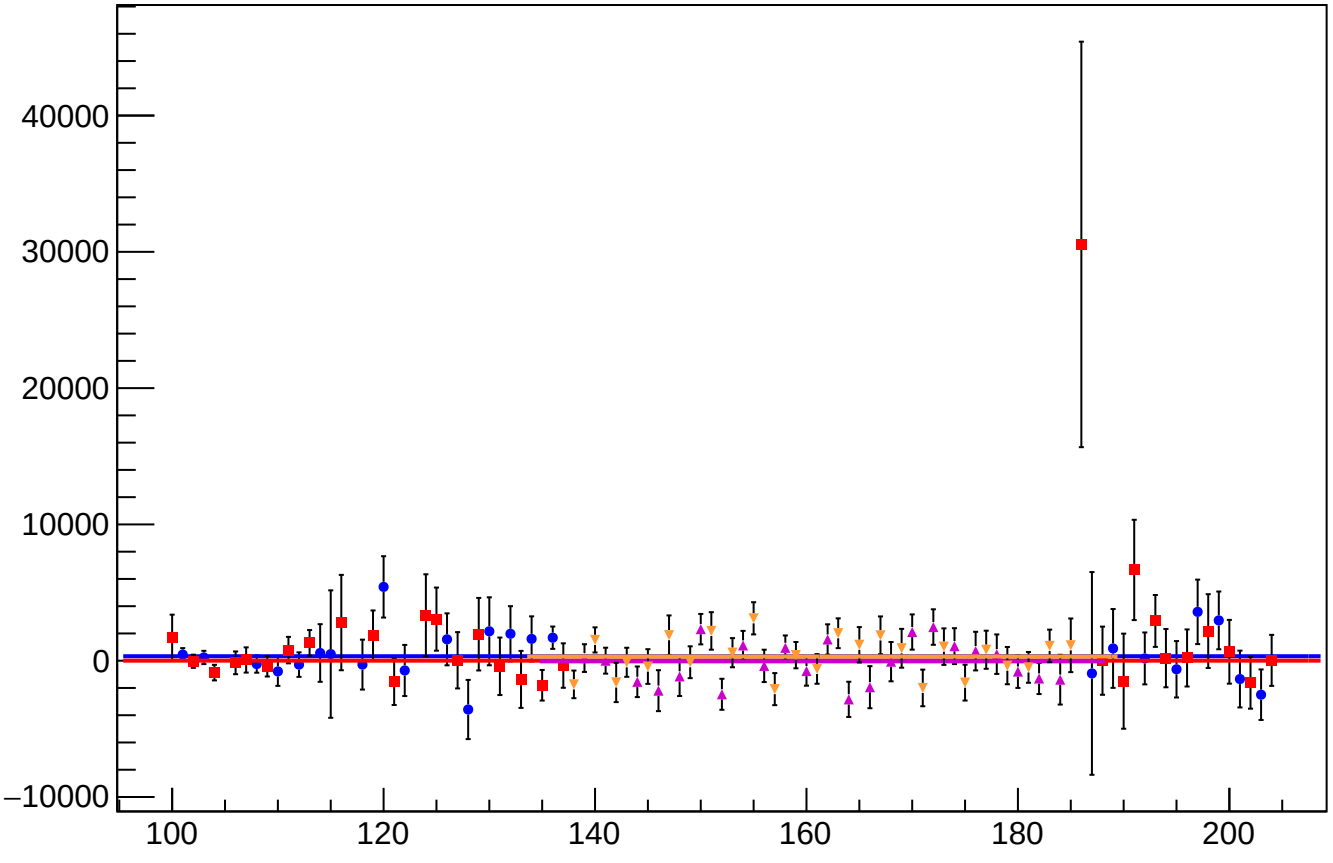
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 156.323+/-0.020 χ^2/NDF: 3466114.6/48

All: 155.894+/-0.014 χ^2/NDF: 8758695.1/101

- sign 155.473+/-0.020 χ^2/NDF: 5291667.8/52

asym_sam6_dit_correction_mean vs Slug



Right In: 329.068+/-231.180 χ^2/NDF: 22.9/23

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 3.551+/-228.122 χ^2/NDF: 26.8/29

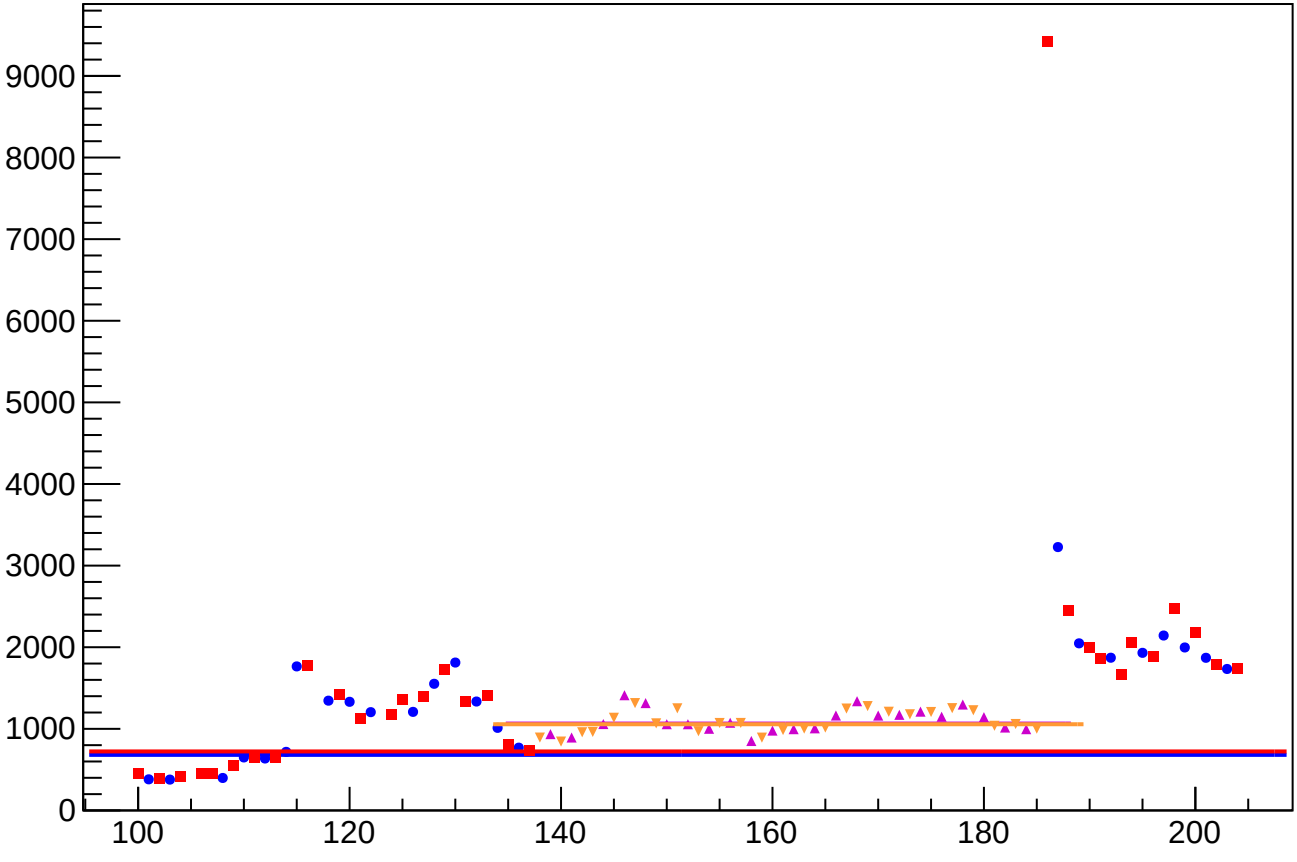
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 321.720+/-167.296 χ^2/NDF: 55.8/48

All: 152.783+/-118.857 χ^2/NDF: 119.2/101

- sign -19.395+/-168.893 χ^2/NDF: 61.3/52

asym_sam6_dit_correction_rms vs Slug



Right In: 681.164+/-0.163 χ^2/NDF: 8905040.8/23

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 723.194+/-0.161 χ^2/NDF: 10585026.8/29

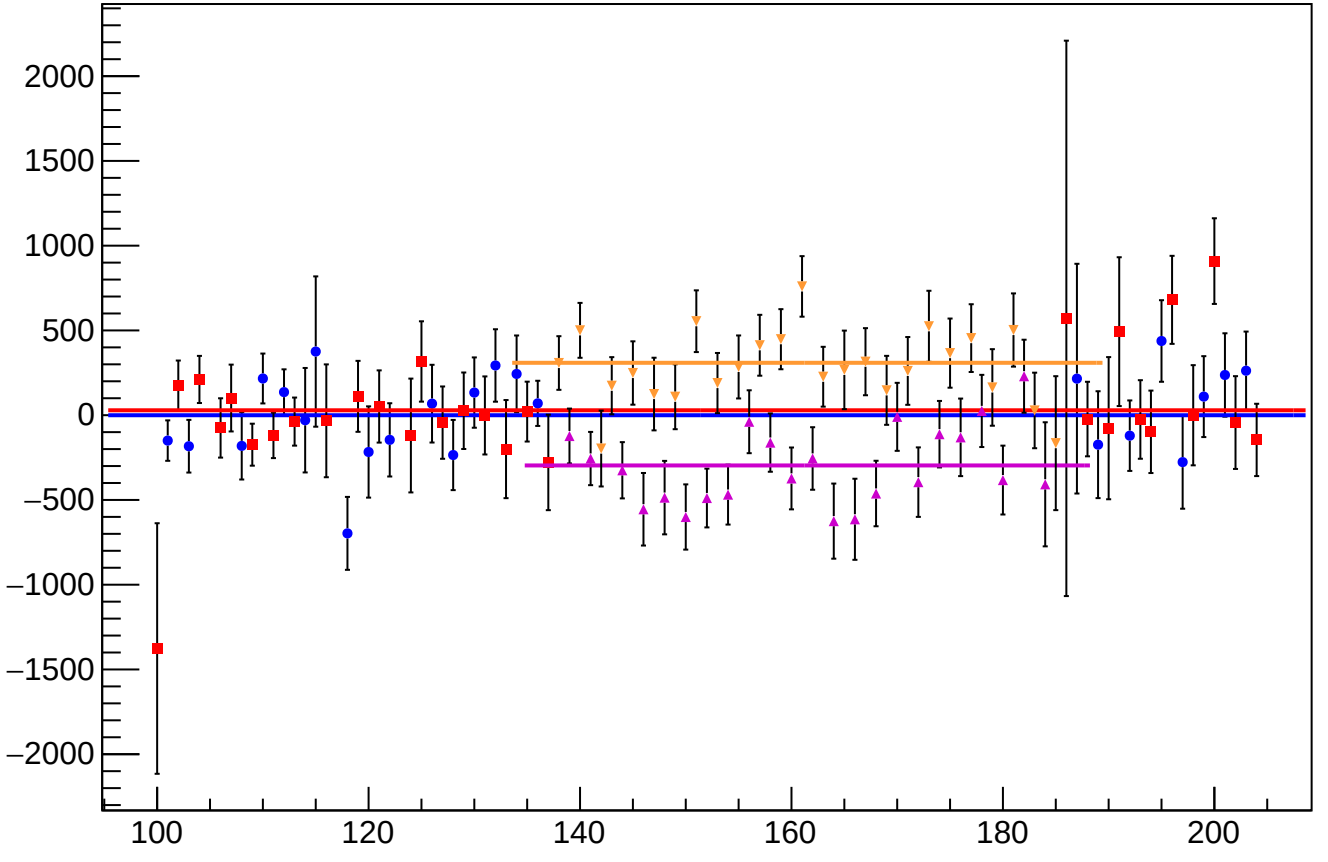
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 859.861+/-0.118 χ^2/NDF: 12024566.4/48

All: 868.599+/-0.084 χ^2/NDF: 25256902.7/10

- sign 877.504+/-0.119 χ^2/NDF: 13221320.8/52

eigen_dit_asym_sam6_mean vs Slug



Right In: -0.307+/-41.059 χ^2/NDF: 31.9/23

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 28.917+/-38.584 χ^2/NDF: 35.6/29

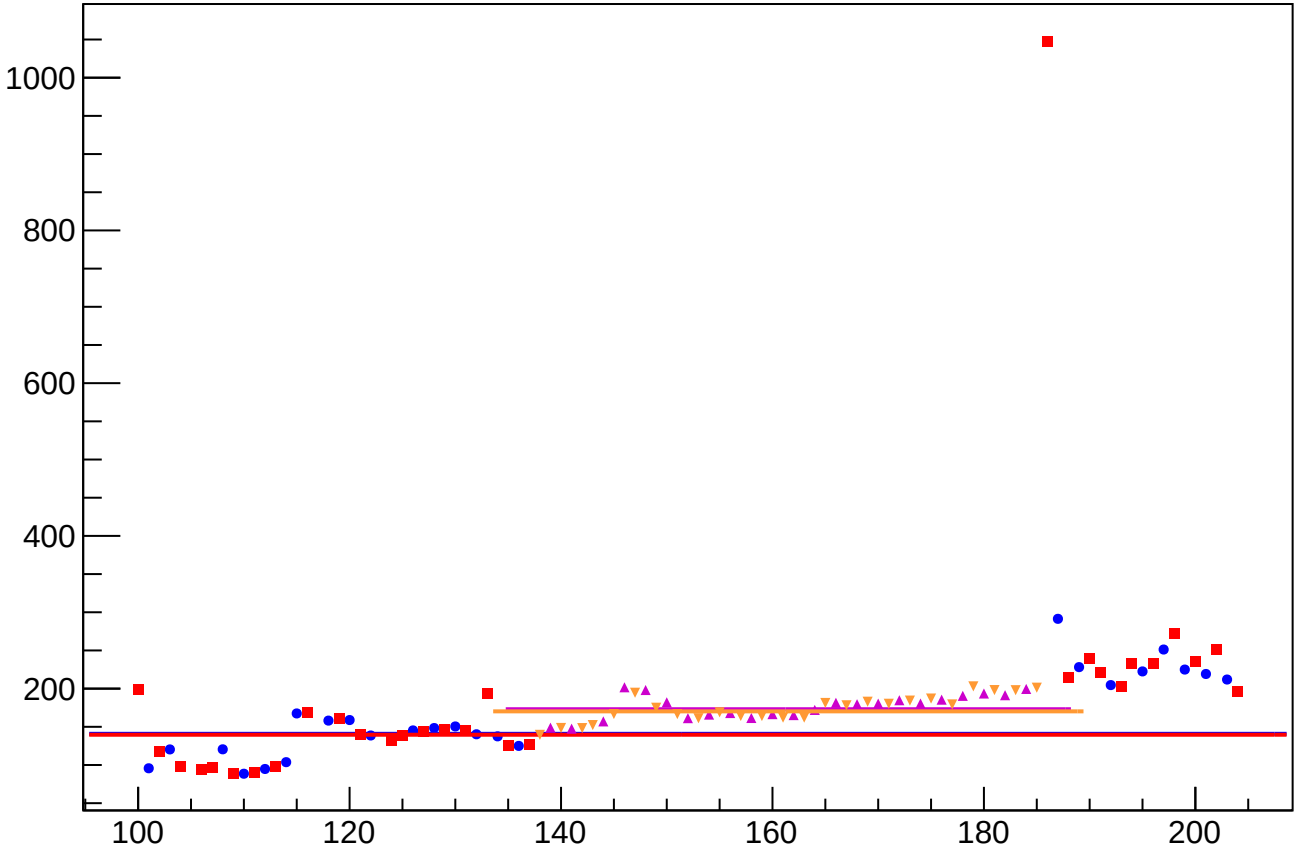
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 162.706+/-28.239 χ^2/NDF: 87.4/48

All: 17.236+/-19.873 χ^2/NDF: 237.2/101

- sign -125.486+/-27.971 χ^2/NDF: 97.2/52

eigen_dit_asym_sam6_rms vs Slug



Right In: 140.817+/-0.029 χ^2/NDF: 2558612.7/23

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 139.627+/-0.027 χ^2/NDF: 4287065.1/29

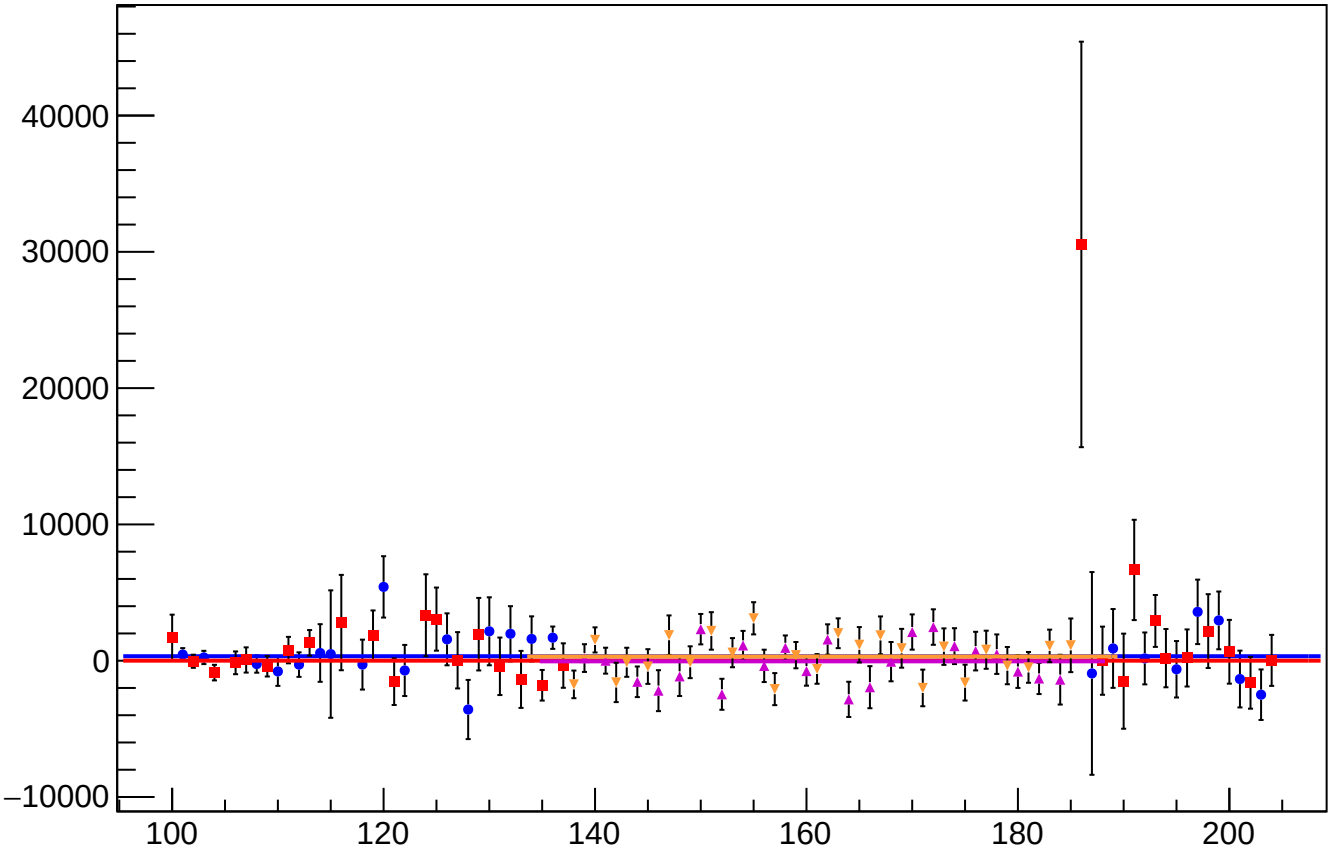
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 156.322+/-0.020 χ^2/NDF: 3466136.0/48

All: 155.894+/-0.014 χ^2/NDF: 8758726.4/101

- sign 155.473+/-0.020 χ^2/NDF: 5291677.8/52

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 329.068+/-231.180 χ^2/NDF: 22.9/23

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 3.550+/-228.122 χ^2/NDF: 26.8/29

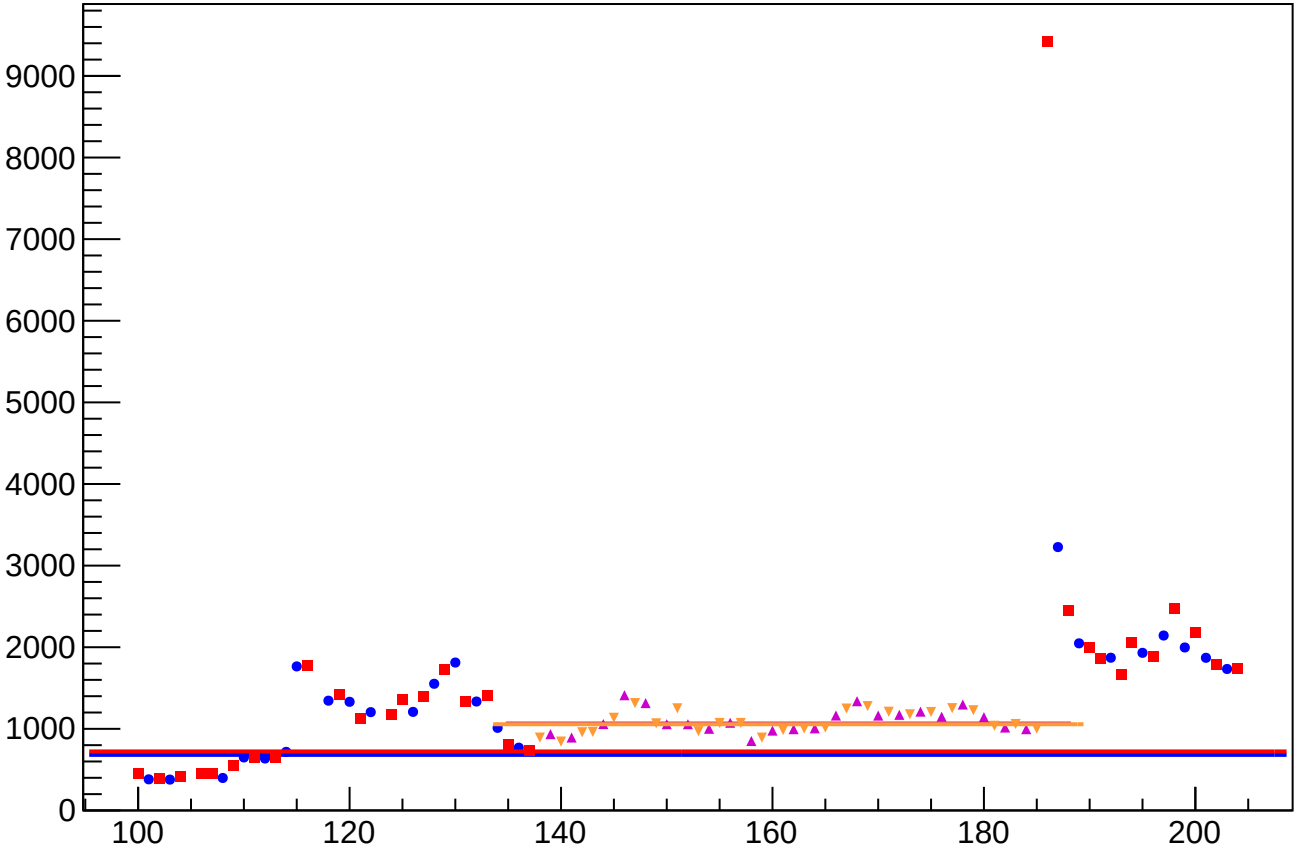
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 321.720+/-167.296 χ^2/NDF: 55.8/48

All: 152.783+/-118.857 χ^2/NDF: 119.2/101

- sign -19.396+/-168.893 χ^2/NDF: 61.3/52

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 681.163+/-0.163 χ^2/NDF: 8905049.6/23

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 723.193+/-0.161 χ^2/NDF: 10585030.8/29

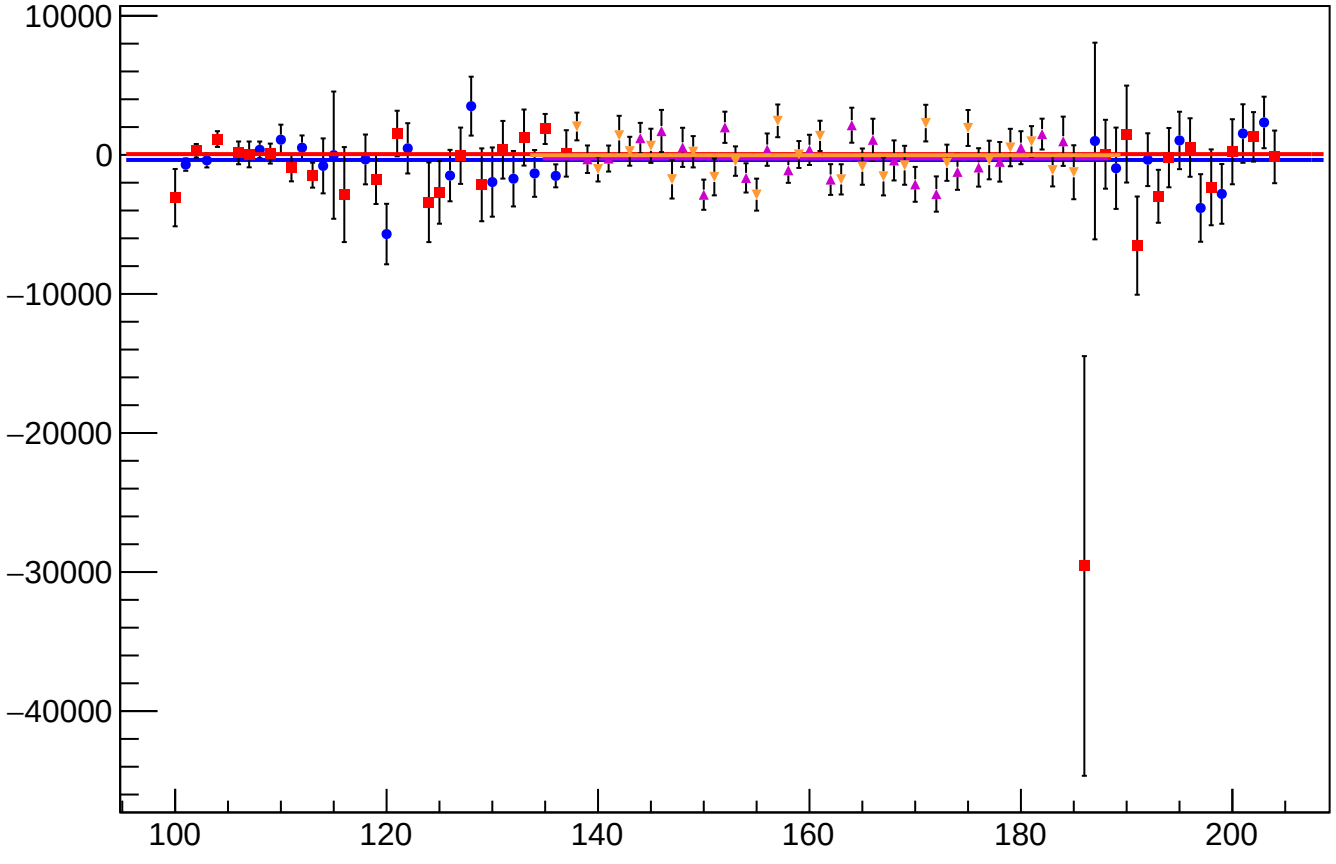
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 859.861+/-0.118 χ^2/NDF: 12024596.9/48

All: 868.598+/-0.084 χ^2/NDF: 25256949.5/10

- sign 877.503+/-0.119 χ^2/NDF: 13221337.0/52

asym_sam6_mean vs Slug



Right In: -364.345+/-227.760 χ^2/NDF: 24.7/23

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 55.896+/-225.978 χ^2/NDF: 30.9/29

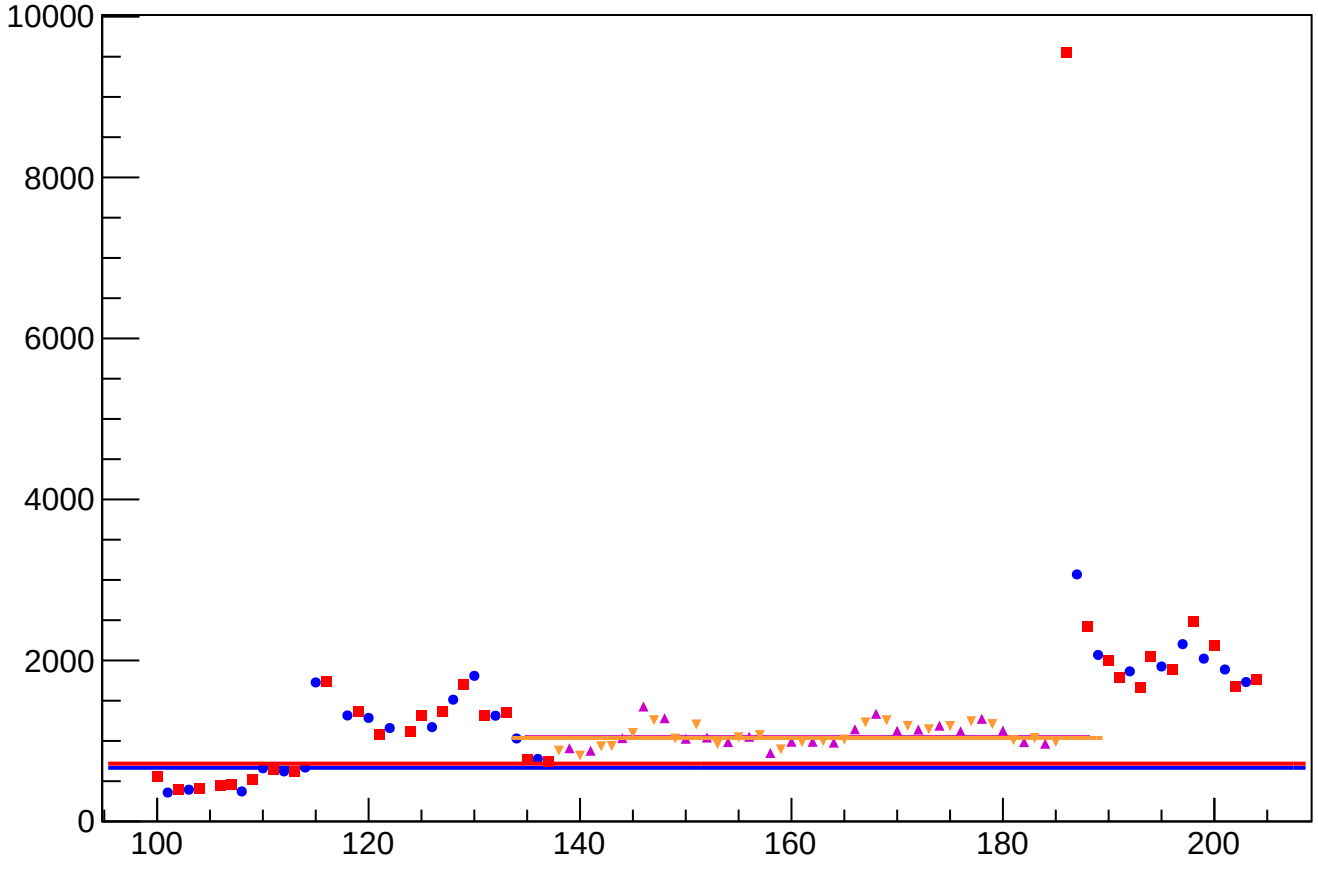
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -200.609+/-164.542 χ^2/NDF: 60.3/48

All: -143.991+/-117.136 χ^2/NDF: 125.8/101

- sign -85.816+/-166.790 χ^2/NDF: 65.3/52

asym_sam6_rms vs Slug



Right In: 666.954+/-0.161 χ^2/NDF: 9082126.0/23

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 718.549+/-0.160 χ^2/NDF: 10430926.1/29

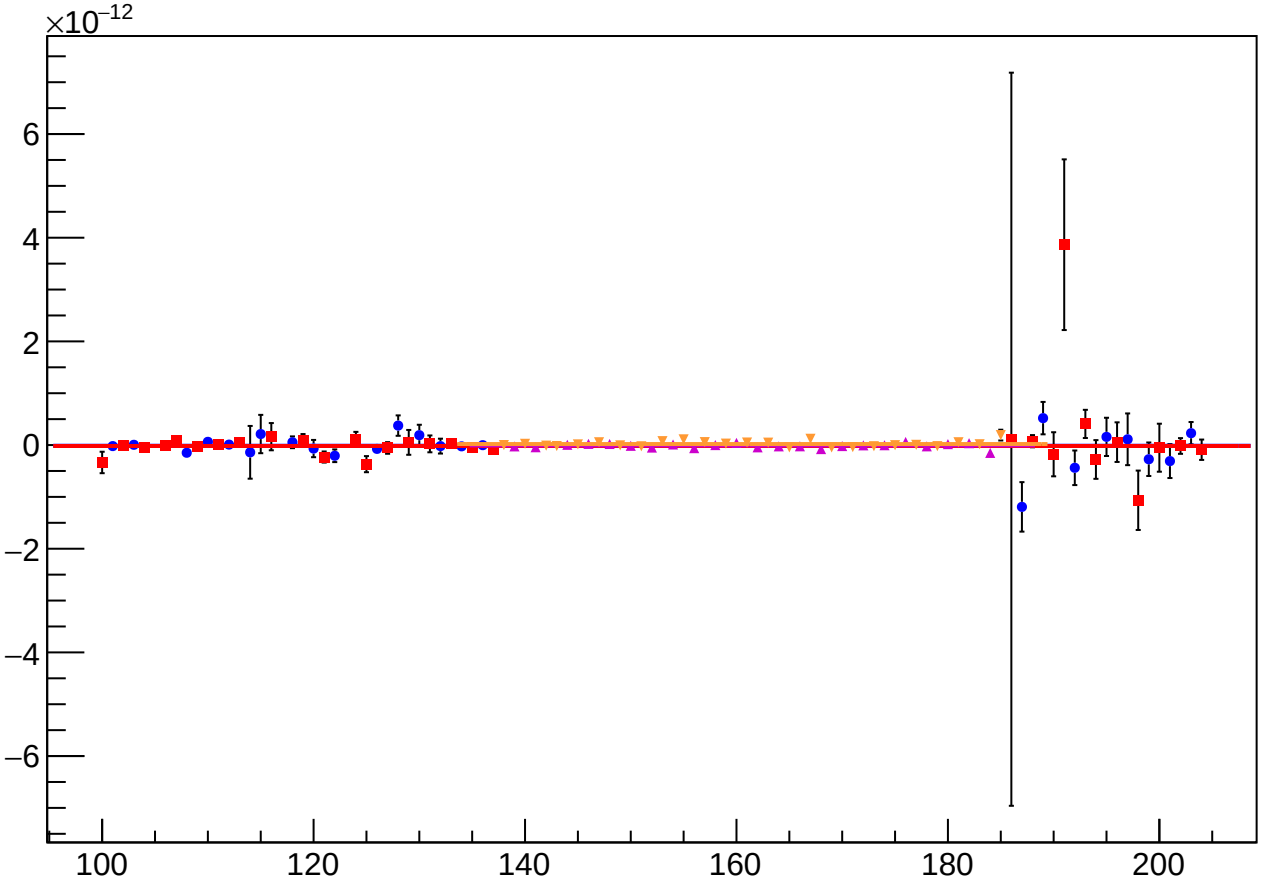
Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 844.022+/-0.116 χ^2/NDF: 12196068.2/48

All: 856.025+/-0.083 χ^2/NDF: 25192723.9/10

- sign 868.358+/-0.118 χ^2/NDF: 12975078.9/52

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

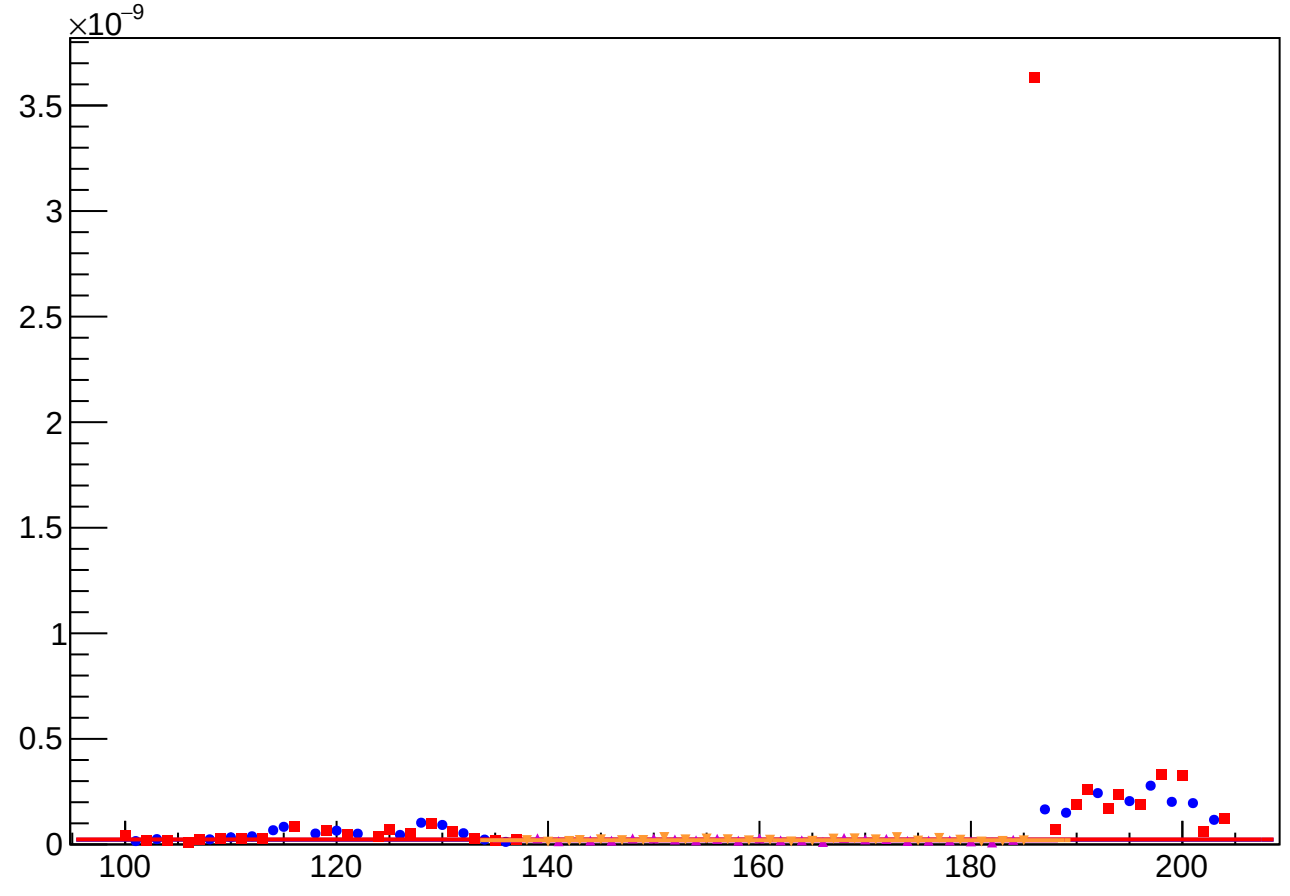
Right Out: -0.000+/-0.000 χ^2/NDF: 32.7/29

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.4/48

All: 0.000+/-0.000 χ^2/NDF: 120.8/101

- sign -0.000+/-0.000 χ^2/NDF: 51.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 6032455.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6780419.9/29

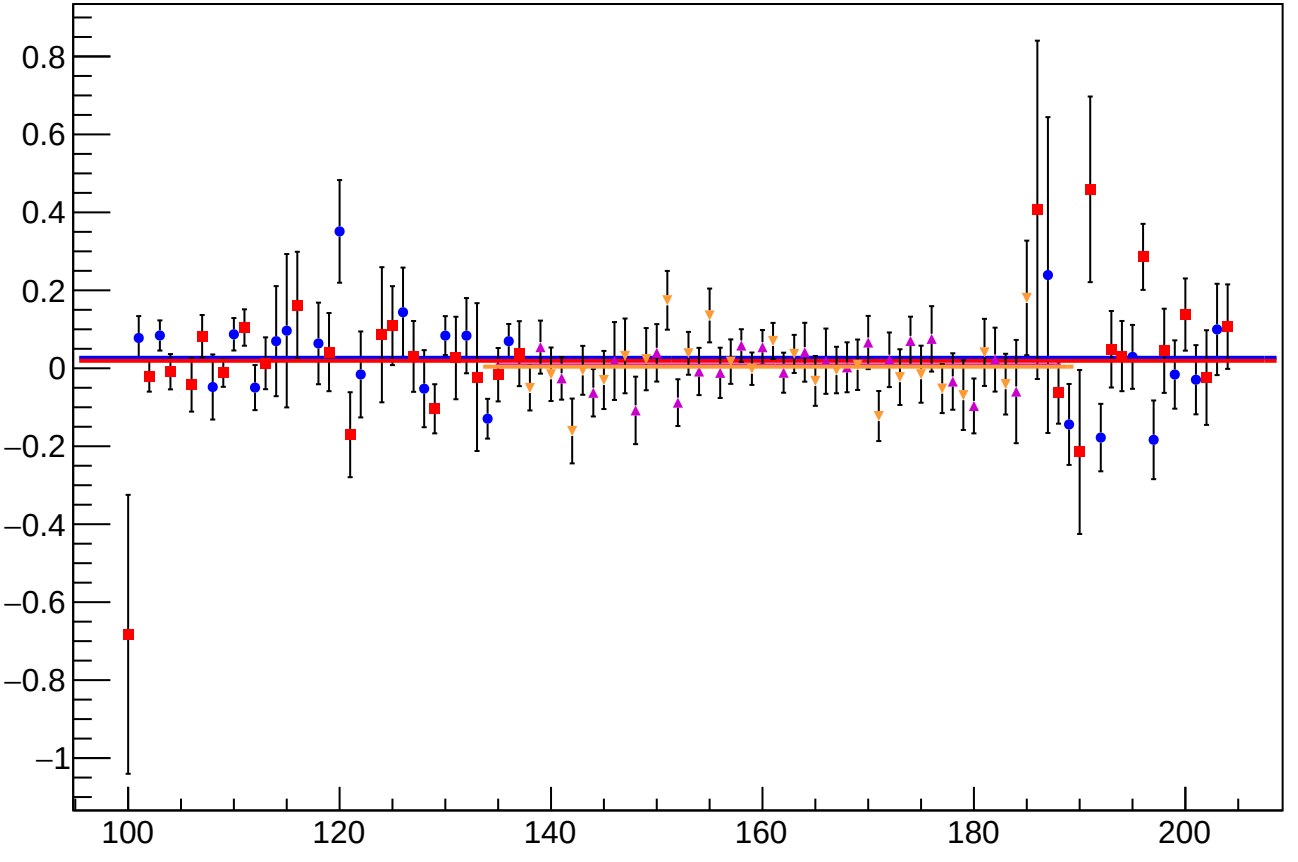
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7062931.7/48

All: 0.000+/-0.000 χ^2/NDF: 15065292.9/101

- sign 0.000+/-0.000 χ^2/NDF: 7999036.2/52

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.015 χ^2/NDF: 41.8/23

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.019+/-0.014 χ^2/NDF: 39.8/29

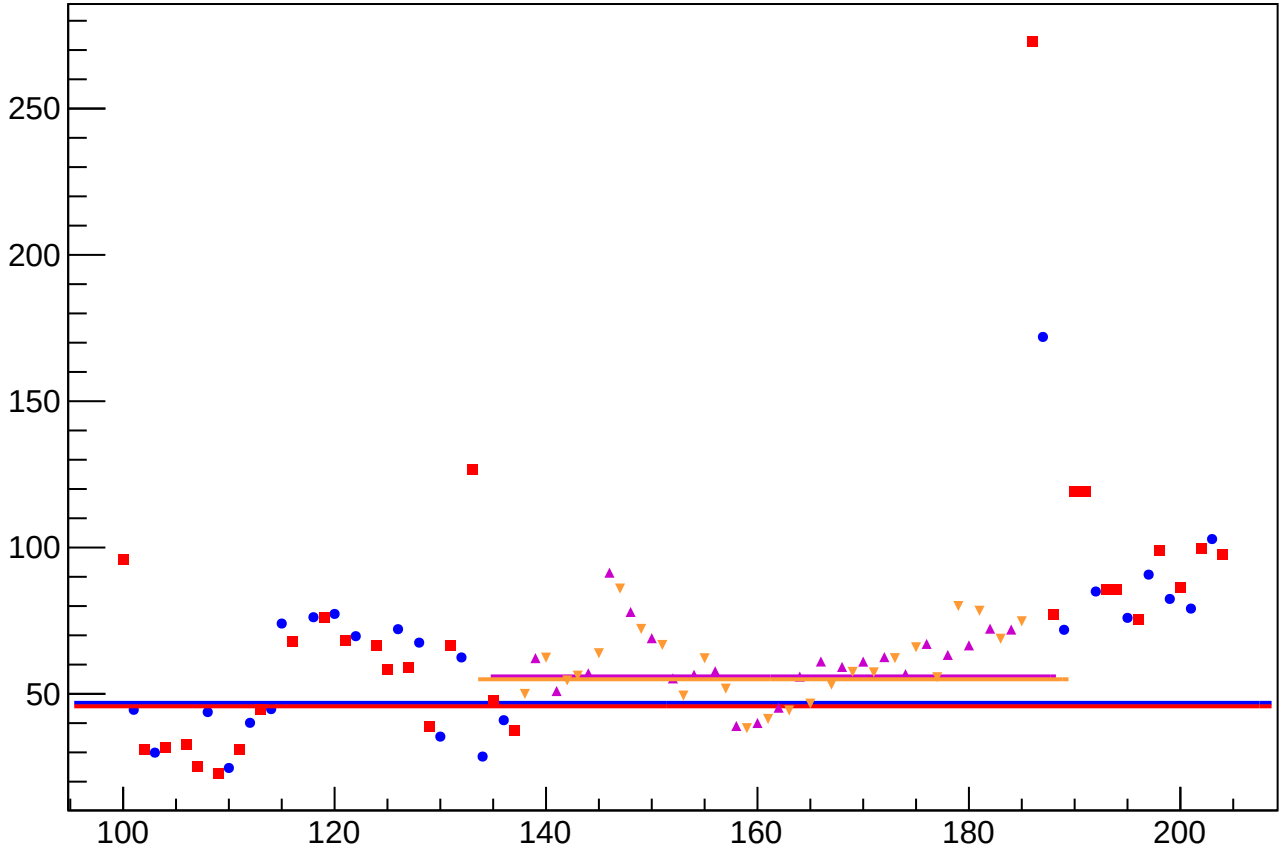
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 68.0/48

All: 0.014+/-0.007 χ^2/NDF: 123.2/101

- sign 0.013+/-0.010 χ^2/NDF: 55.2/52

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 46.924+/-0.010 χ^2/NDF: 4384174.2/23

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

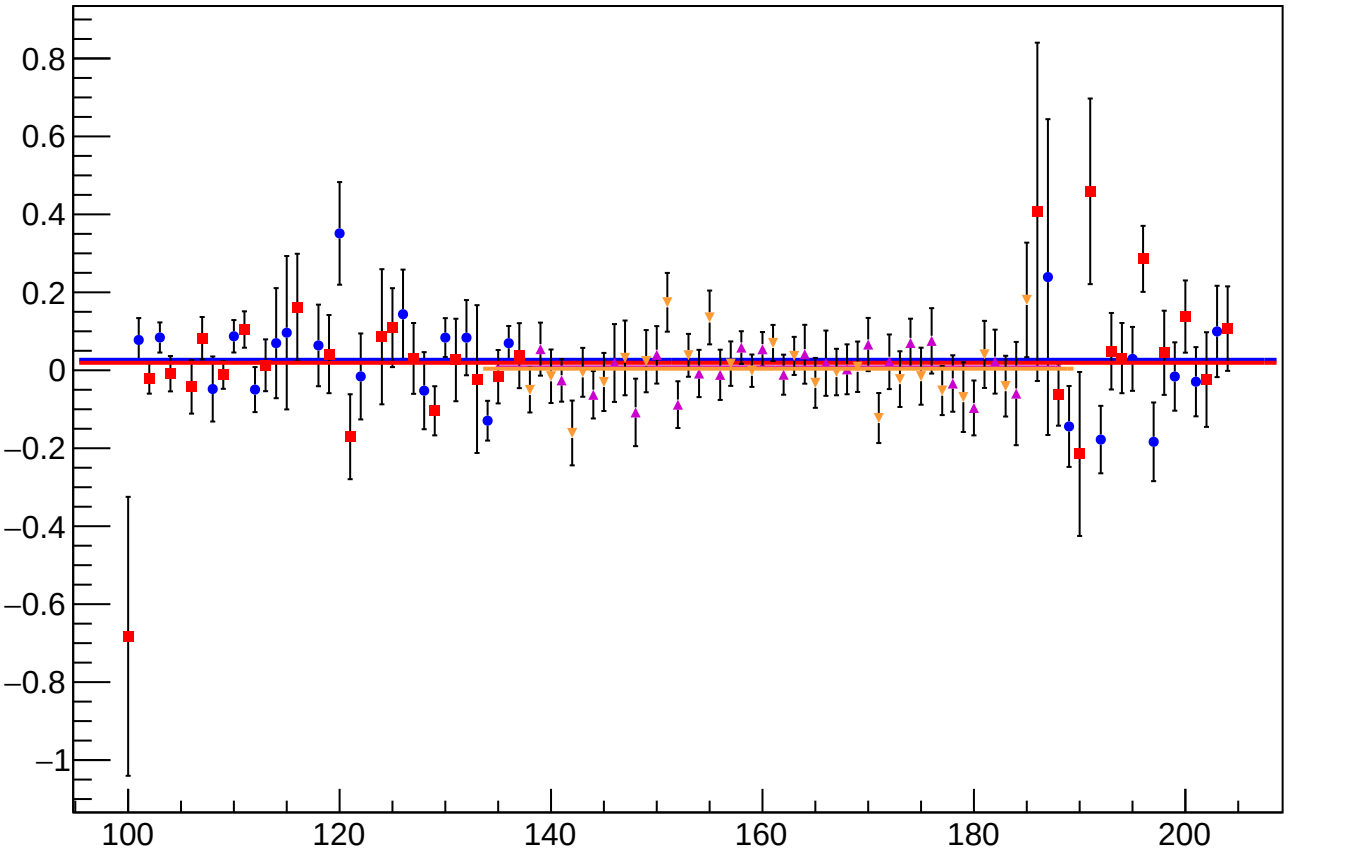
Right Out: 45.747+/-0.010 χ^2/NDF: 6791748.4/29

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 51.429+/-0.007 χ^2/NDF: 6292775.6/48

All: 51.179+/-0.005 χ^2/NDF: 15054809.2/101

- sign 50.931+/-0.007 χ^2/NDF: 8759372.0/52



Right In: 0.027+/-0.015 χ^2/NDF: 41.8/23

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.019+/-0.014 χ^2/NDF: 39.8/29

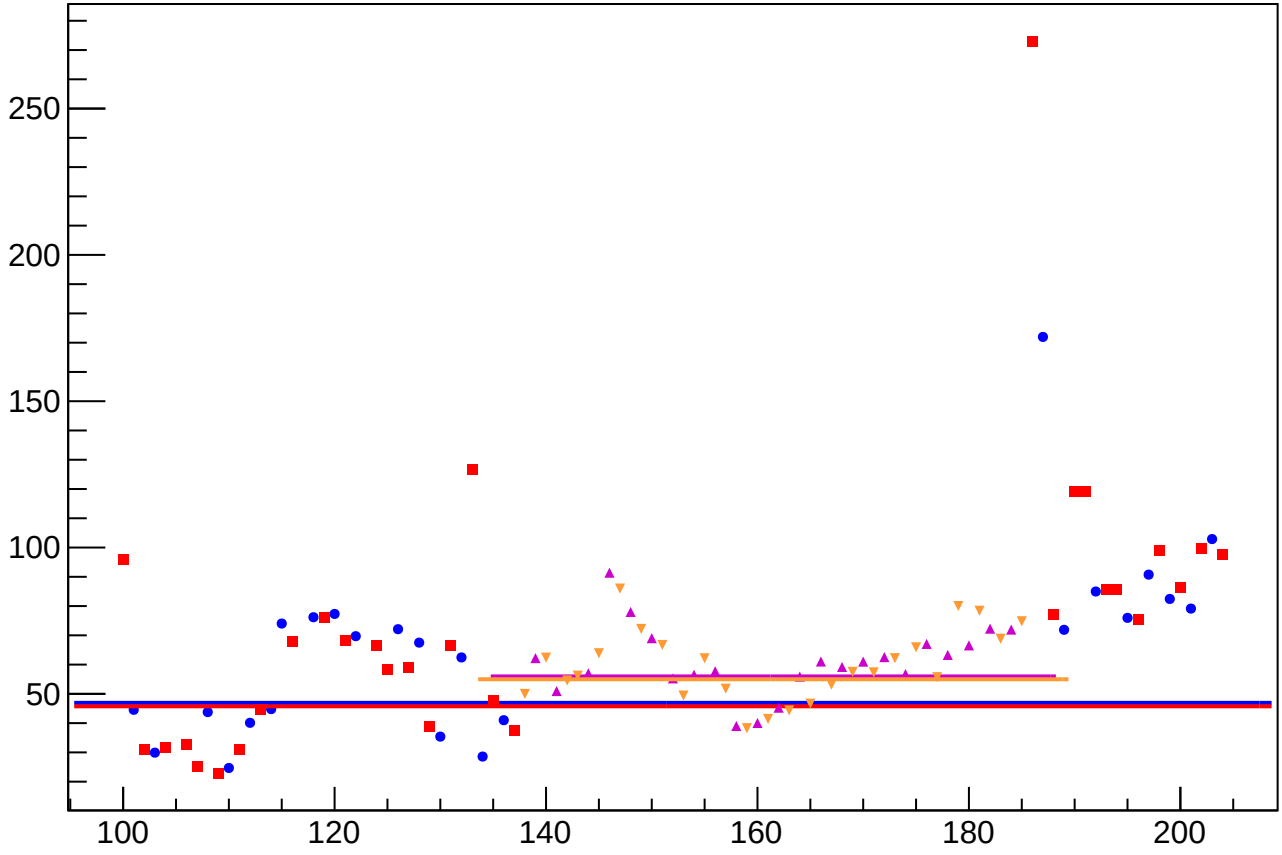
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 68.0/48

All: 0.014+/-0.007 χ^2/NDF: 123.2/101

- sign 0.013+/-0.010 χ^2/NDF: 55.2/52

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 46.924+/-0.010 χ^2/NDF: 4384174.2/23

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

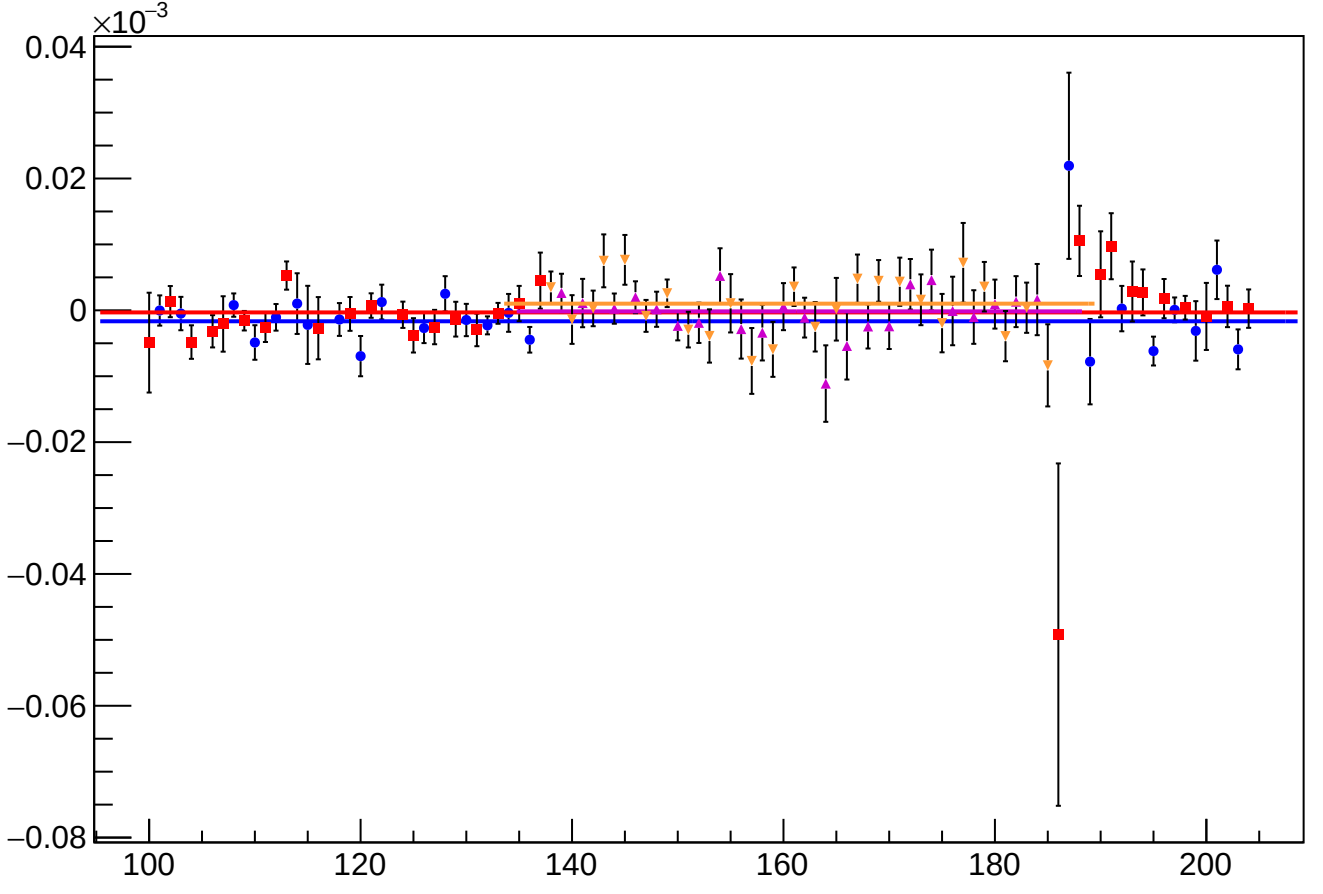
Right Out: 45.747+/-0.010 χ^2/NDF: 6791748.4/29

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 51.429+/-0.007 χ^2/NDF: 6292775.6/48

All: 51.179+/-0.005 χ^2/NDF: 15054809.2/101

- sign 50.931+/-0.007 χ^2/NDF: 8759372.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 28.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.7/29

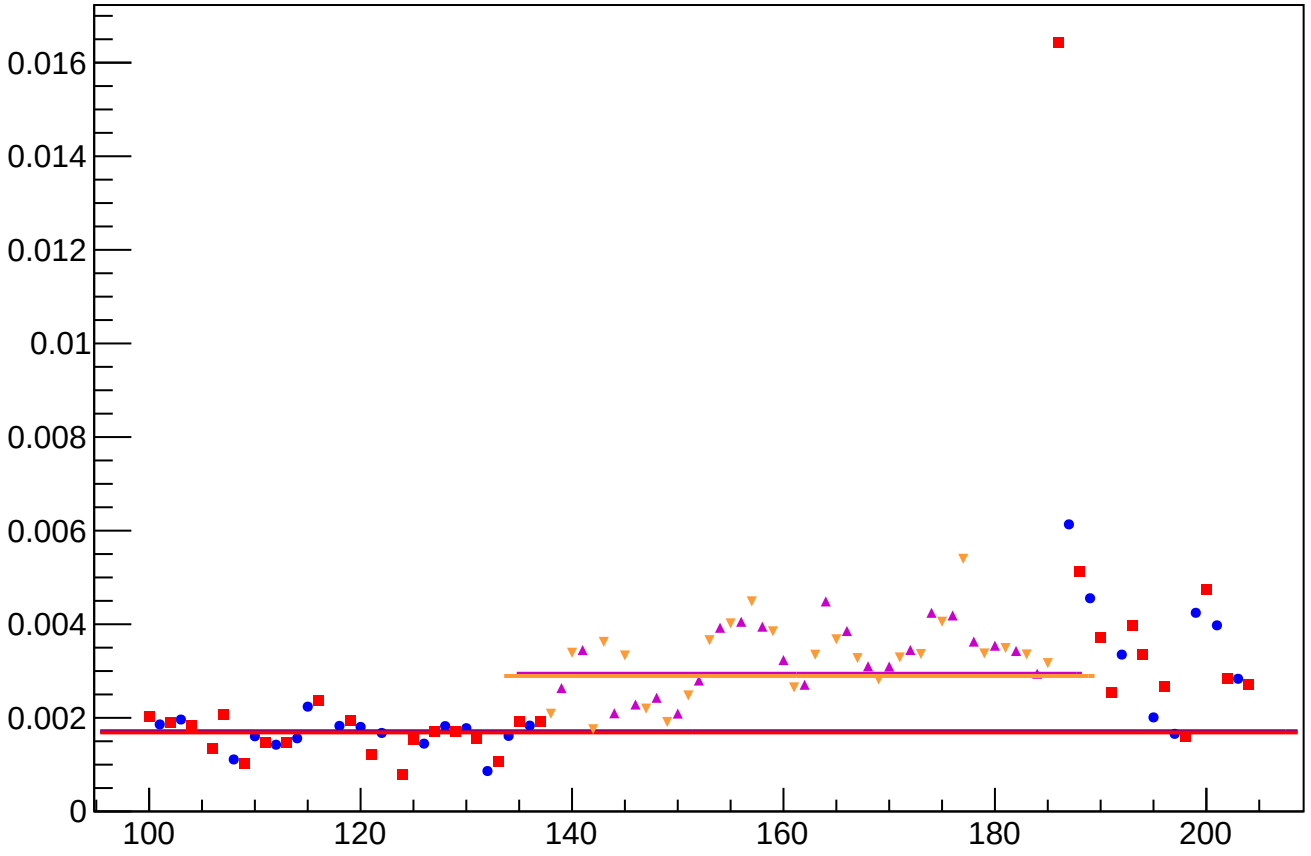
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.5/48

All: -0.000+/-0.000 χ^2/NDF: 115.8/101

- sign -0.000+/-0.000 χ^2/NDF: 48.7/52

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3638764.5/23

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5626441.2/29

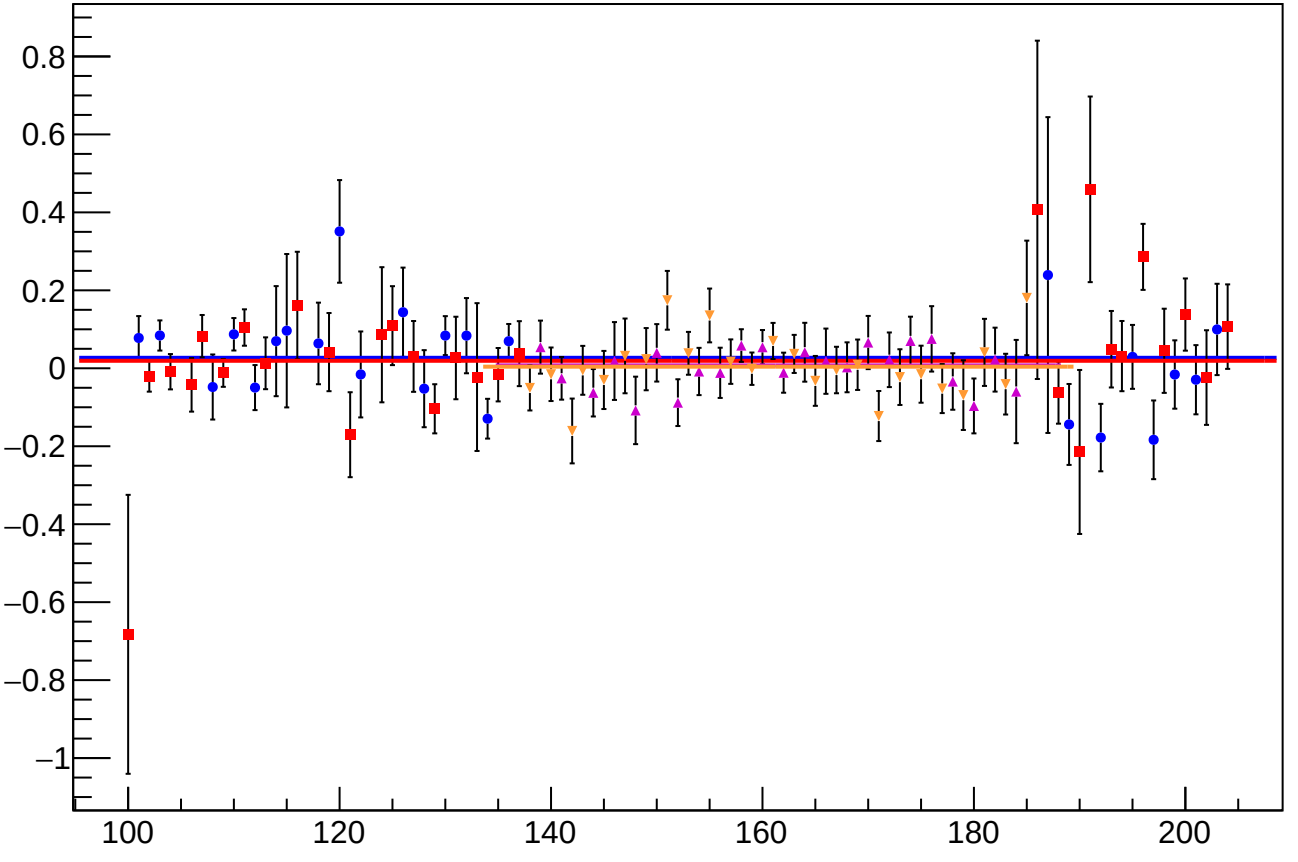
Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 10083550.5/48

All: 0.002+/-0.000 χ^2/NDF: 21879314.8/101

- sign 0.002+/-0.000 χ^2/NDF: 11778780.4/52

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.015 χ^2/NDF: 41.8/23

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.019+/-0.014 χ^2/NDF: 39.8/29

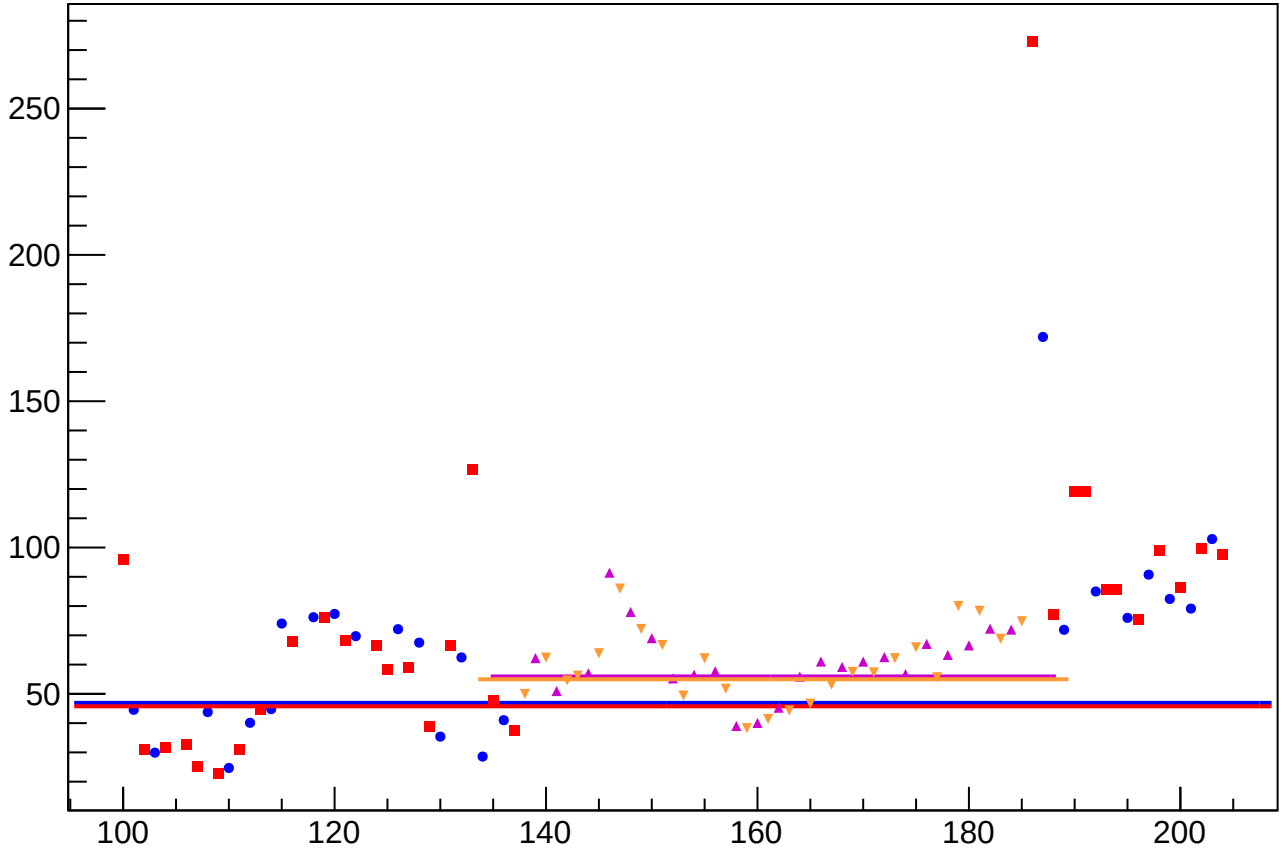
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 68.0/48

All: 0.014+/-0.007 χ^2/NDF: 123.2/101

- sign 0.013+/-0.010 χ^2/NDF: 55.2/52

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 46.924+/-0.010 χ^2/NDF: 4384279.0/23

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

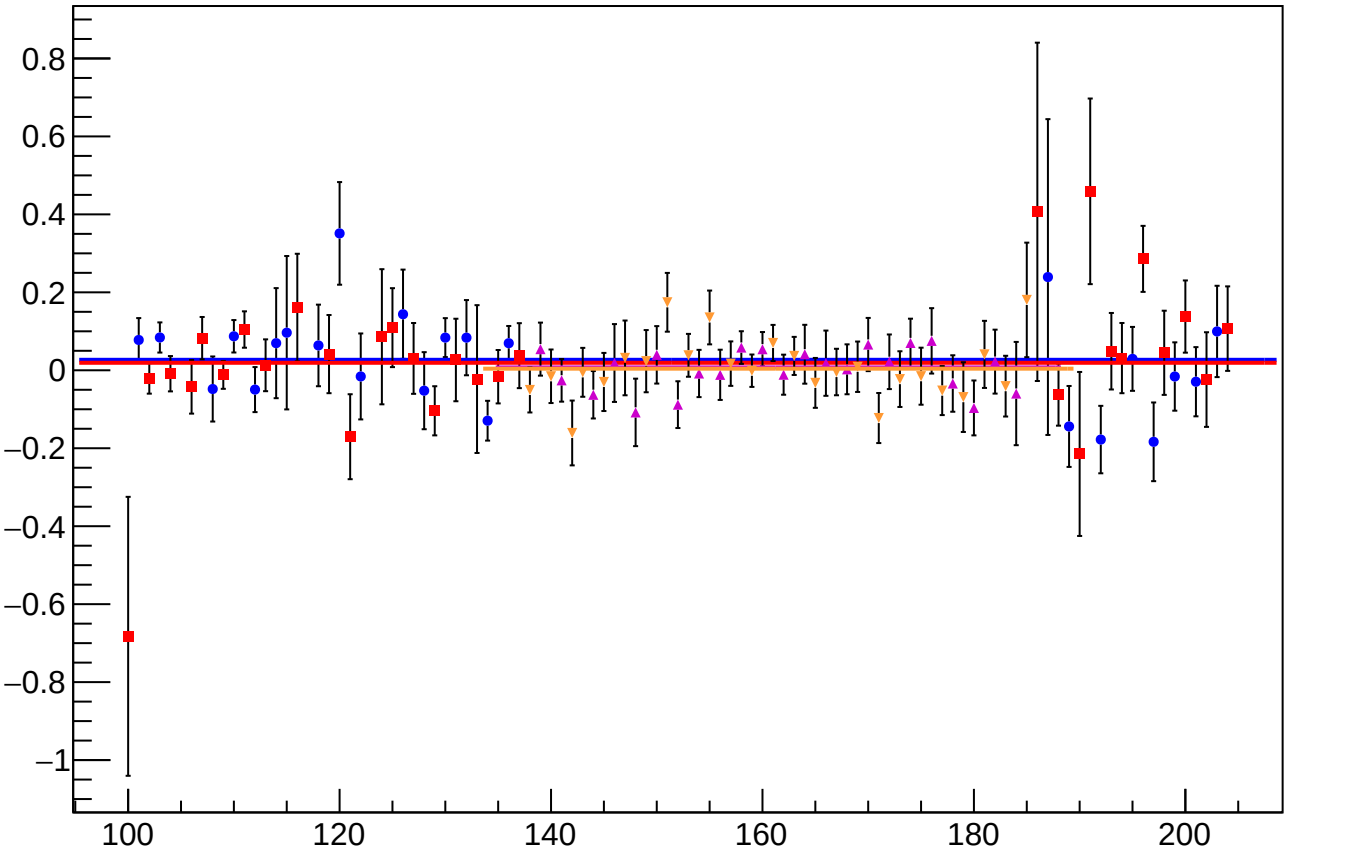
Right Out: 45.746+/-0.010 χ^2/NDF: 6791754.0/29

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 51.428+/-0.007 χ^2/NDF: 6292975.0/48

All: 51.178+/-0.005 χ^2/NDF: 15055104.0/101

- sign 50.930+/-0.007 χ^2/NDF: 8759468.3/52



Right In: 0.027+/-0.015 χ^2/NDF: 41.8/23

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

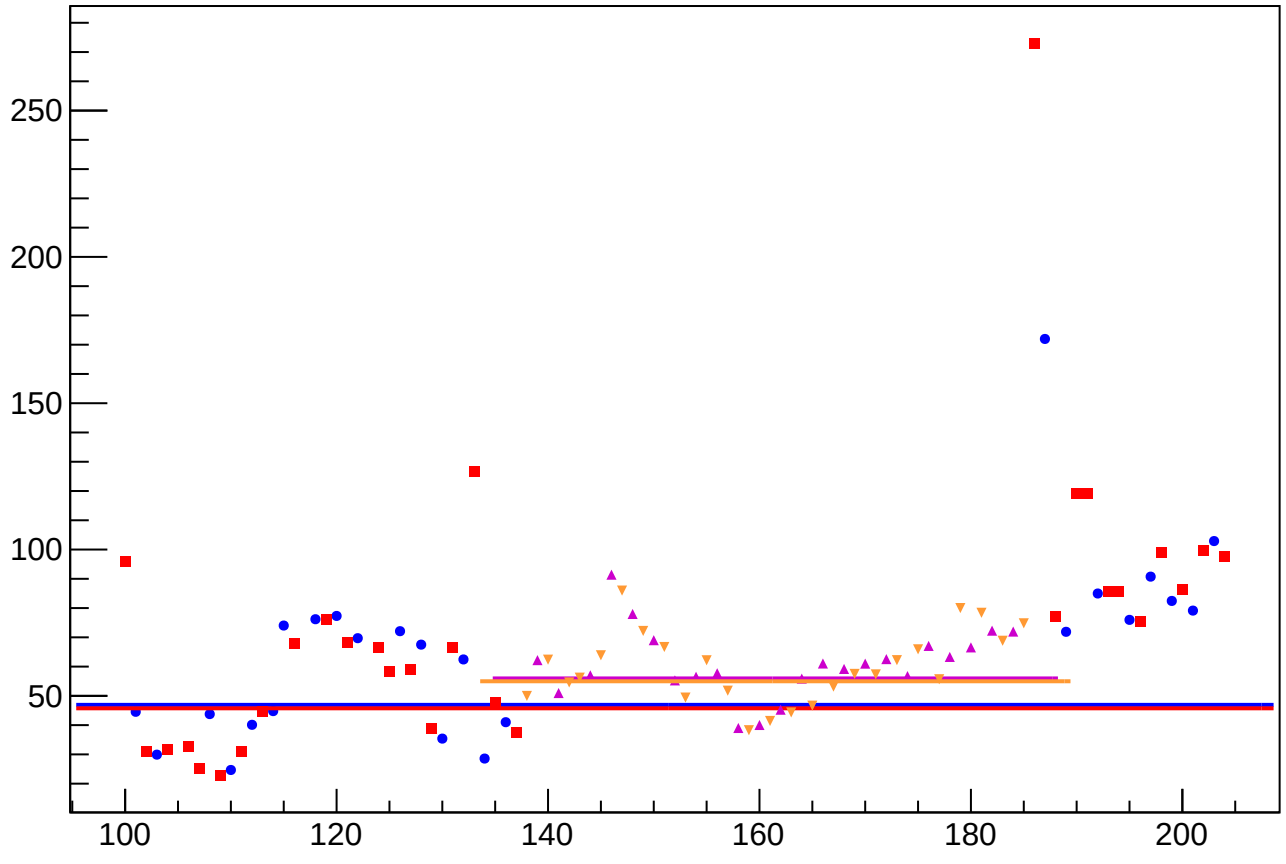
Right Out: 0.019+/-0.014 χ^2/NDF: 39.8/29

Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 68.0/48

All: 0.014+/-0.007 χ^2/NDF: 123.2/101

- sign 0.013+/-0.010 χ^2/NDF: 55.2/52



Right In: 46.924+/-0.010 χ^2/NDF: 4384279.0/23

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

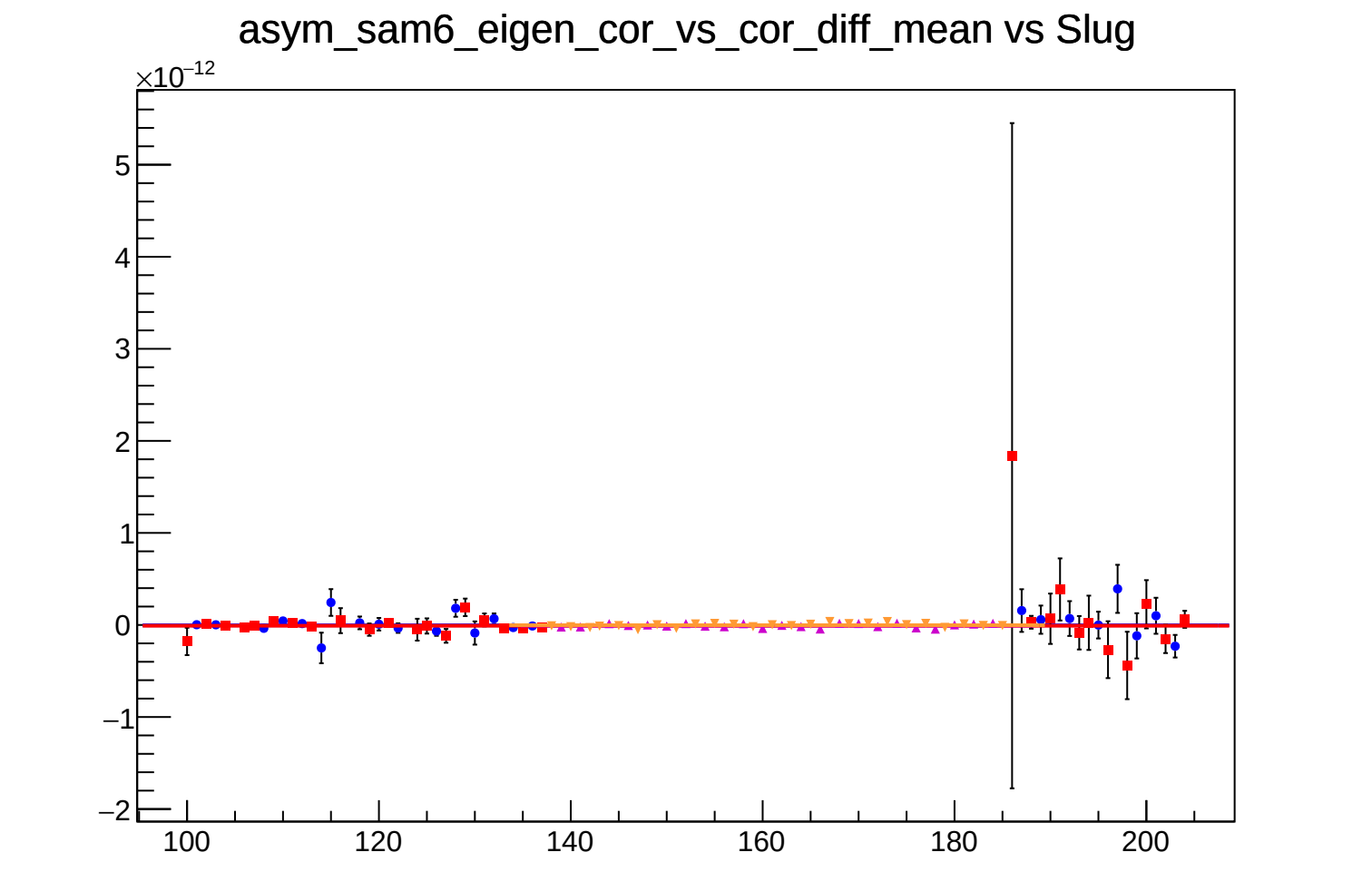
Right Out: 45.746+/-0.010 χ^2/NDF: 6791754.0/29

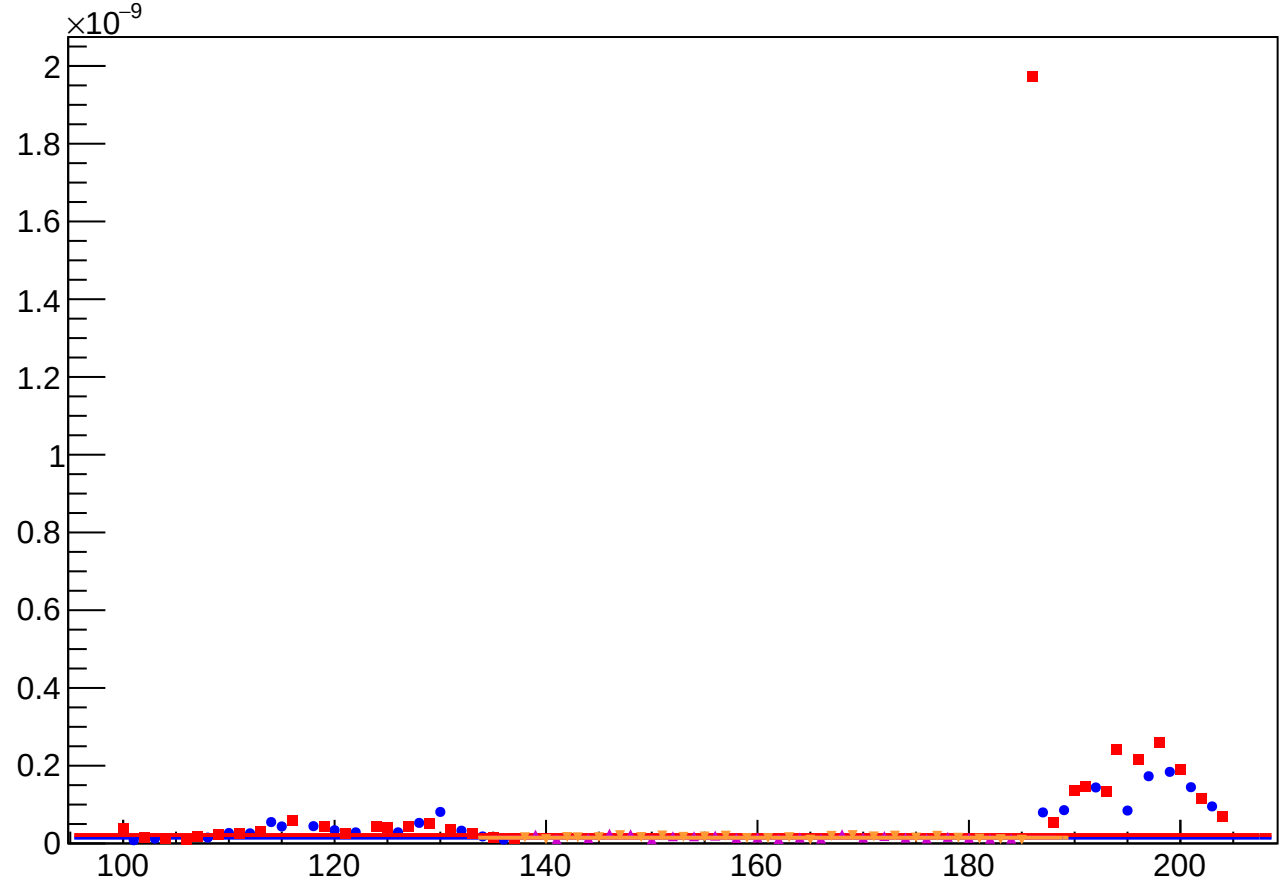
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 51.428+/-0.007 χ^2/NDF: 6292975.0/48

All: 51.178+/-0.005 χ^2/NDF: 15055104.0/101

- sign 50.930+/-0.007 χ^2/NDF: 8759468.3/52


asym_sam6_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: 23.6/23
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/29
Left In: -0.000+/-0.000 χ²/NDF:21.9/22
+ sign -0.000+/-0.000 χ²/NDF: 42.9/48
All: -0.000+/-0.000 χ²/NDF: 87.8/101
- sign -0.000+/-0.000 χ²/NDF: 44.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 8647790.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9509280.5/29

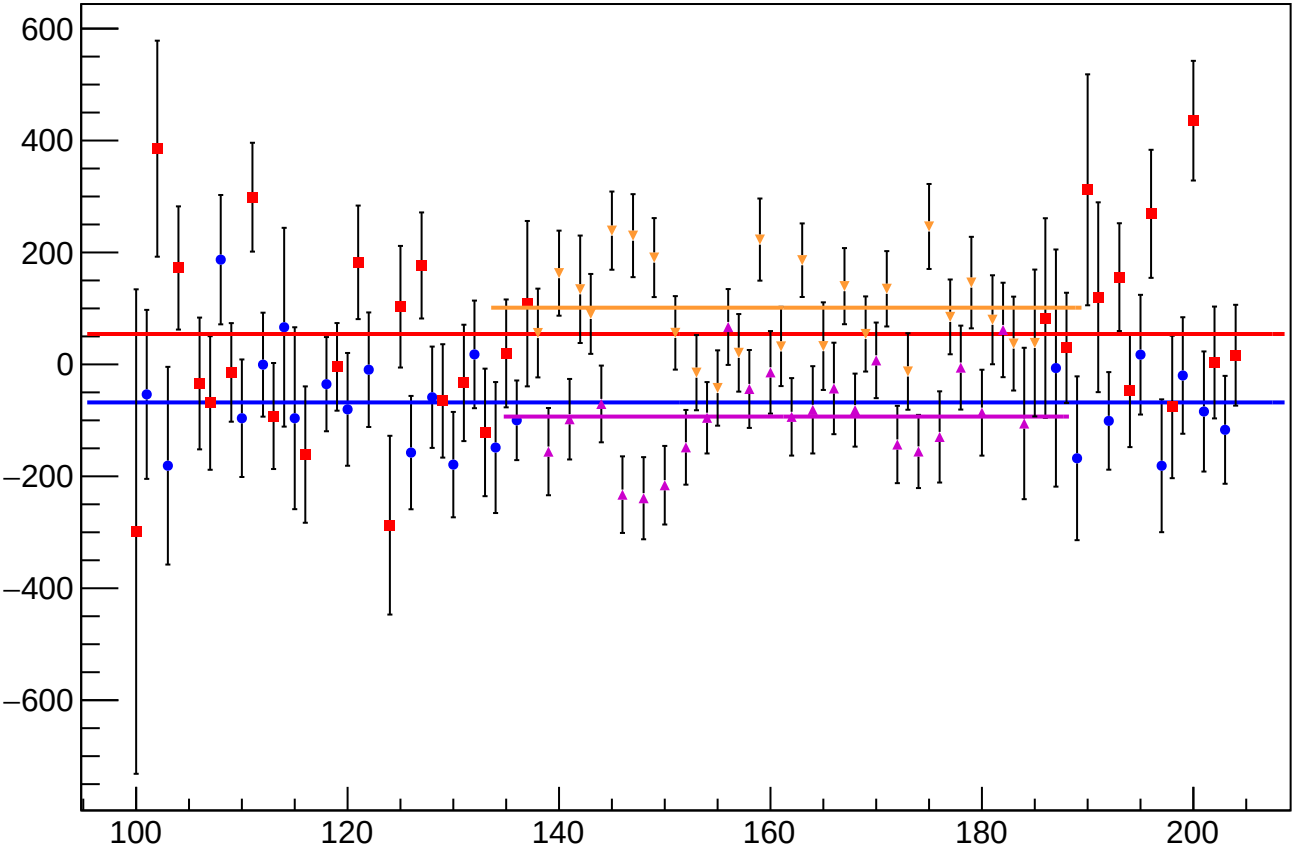
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10049938.3/48

All: 0.000+/-0.000 χ^2/NDF: 22036545.1/101

- sign 0.000+/-0.000 χ^2/NDF: 11851018.1/52

reg_asym_sam7_mean vs Slug



Right In: -67.942+/-21.724 χ^2/NDF: 13.4/23

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 54.321+/-20.263 χ^2/NDF: 53.8/29

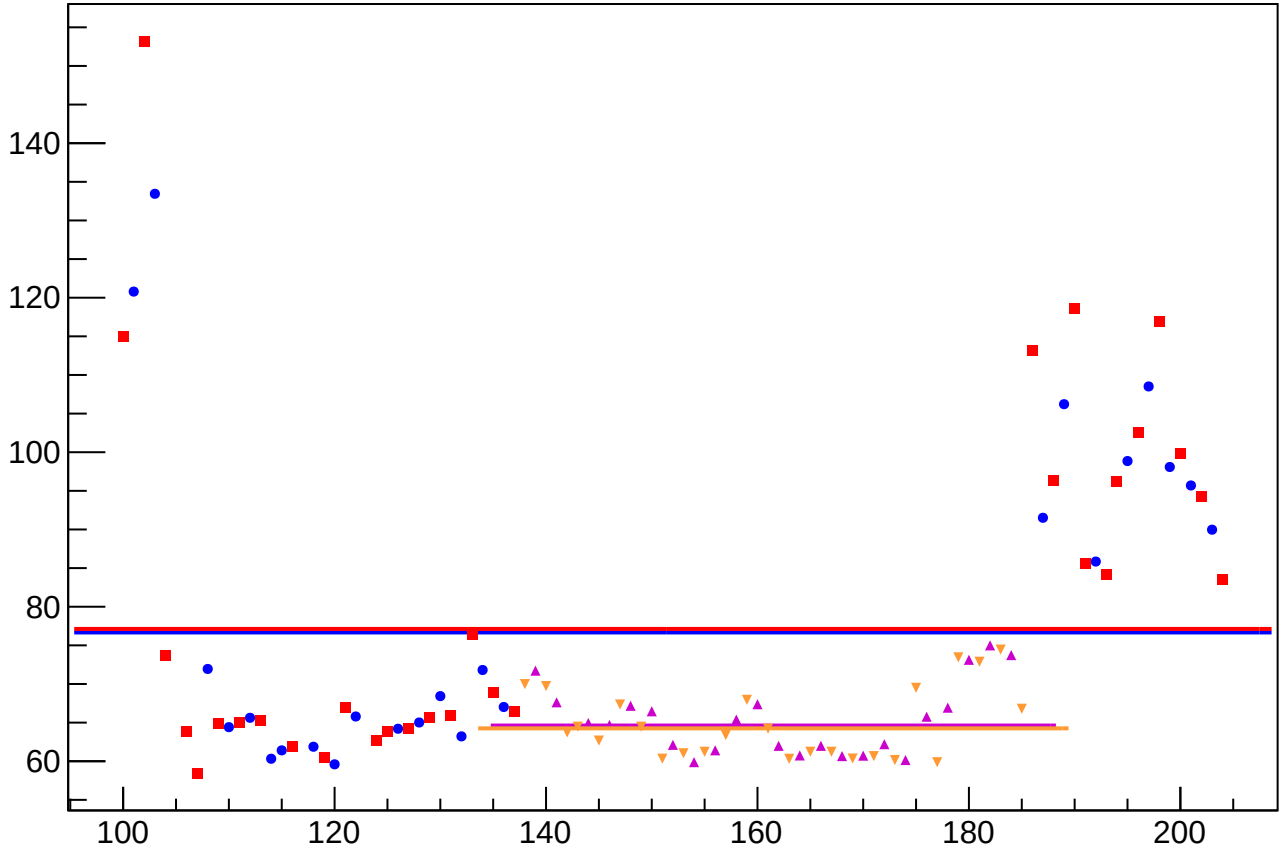
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 48.453+/-12.142 χ^2/NDF: 89.0/48

All: 3.979+/-8.580 χ^2/NDF: 232.5/101

- sign -40.387+/-12.127 χ^2/NDF: 116.7/52

reg_asym_sam7_rms vs Slug



Right In: 76.670+/-0.015 χ^2/NDF: 1300092.0/23

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.126+/-0.014 χ^2/NDF: 1581885.9/29

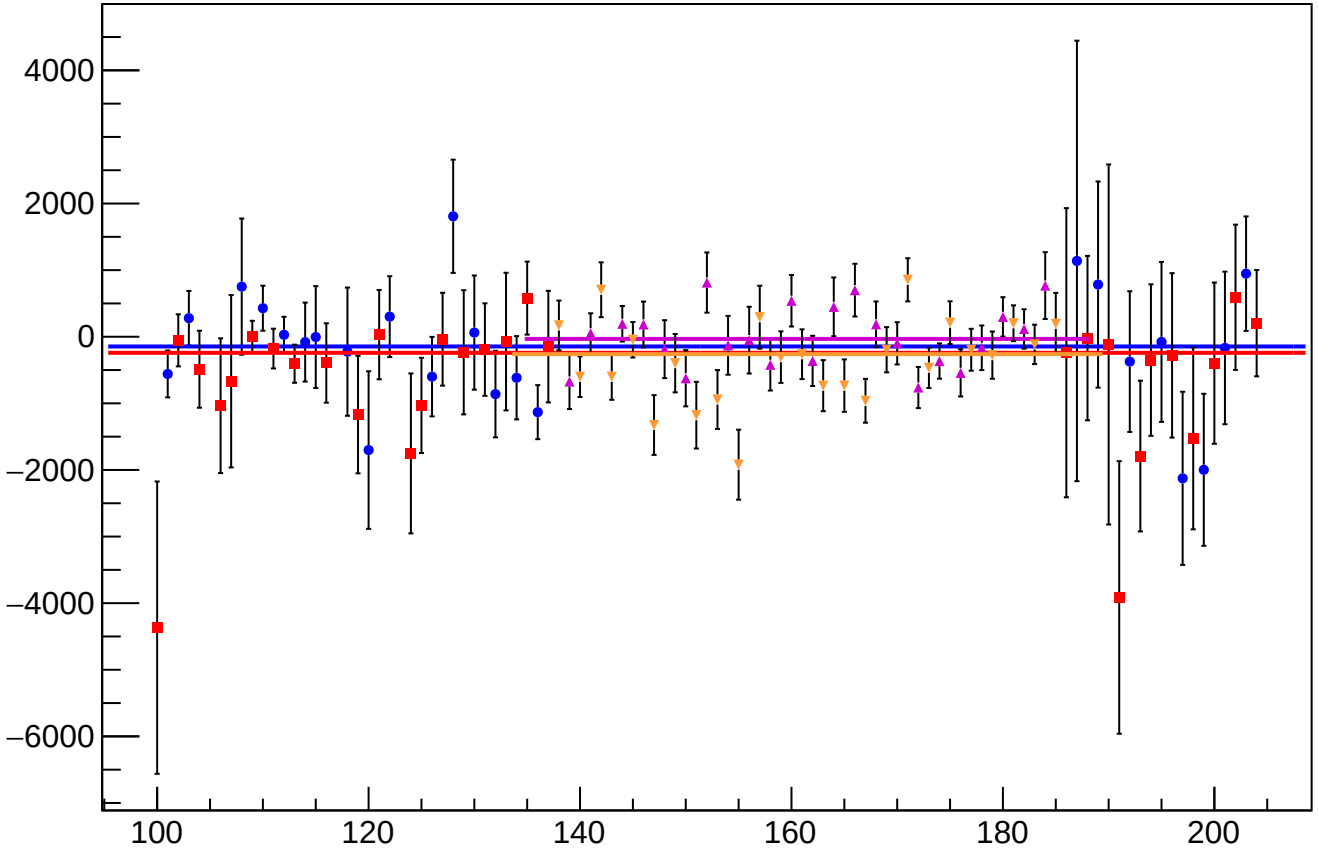
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.133+/-0.009 χ^2/NDF: 1926884.2/48

All: 68.617+/-0.006 χ^2/NDF: 4151170.5/101

- sign 69.100+/-0.009 χ^2/NDF: 2217941.8/52

asym_sam7_reg_correction_mean vs Slug



Right In: -145.984+/-120.685 χ^2/NDF: 29.6/23

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -241.171+/-112.390 χ^2/NDF: 19.5/29

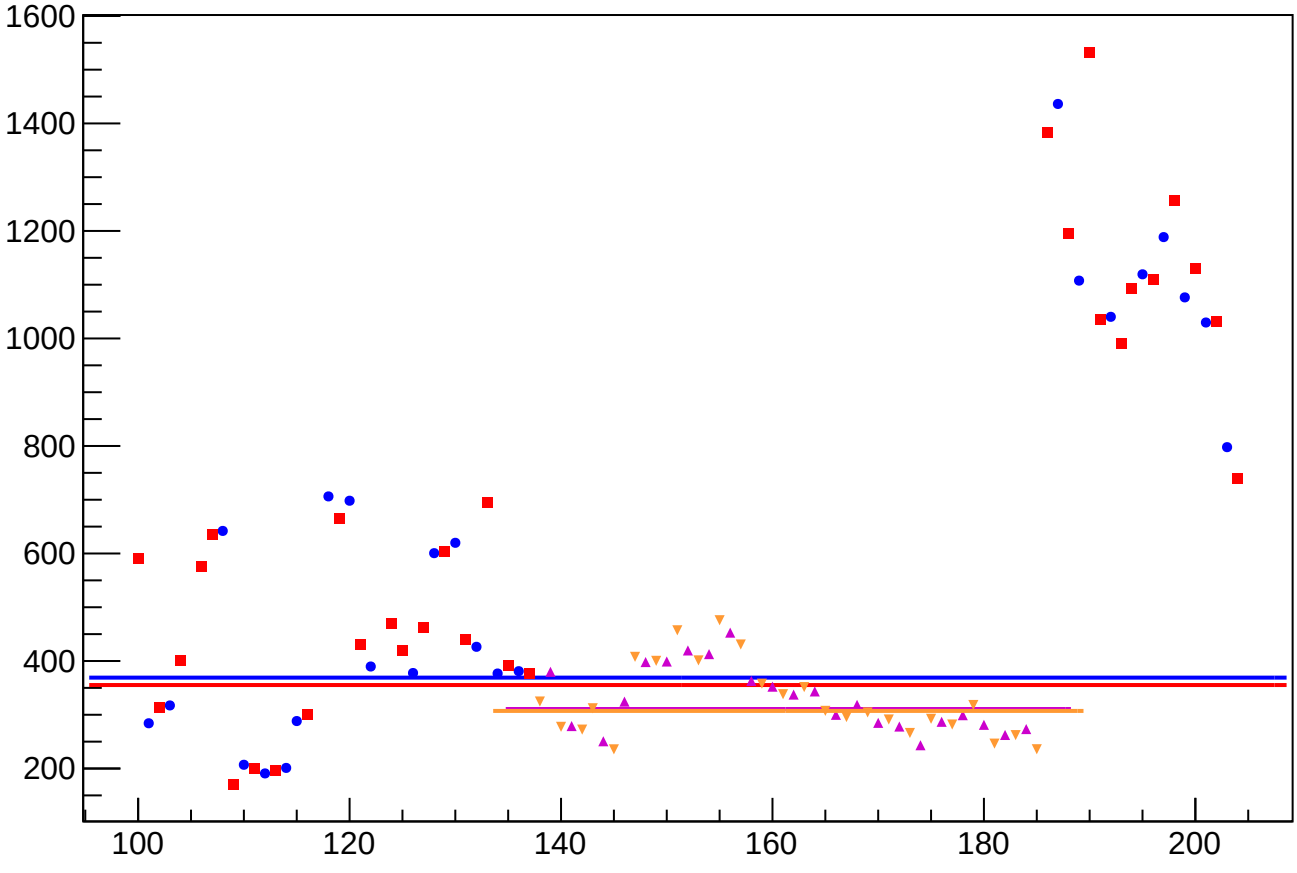
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -231.353+/-61.367 χ^2/NDF: 89.1/48

All: -163.736+/-43.514 χ^2/NDF: 145.2/101

- sign -95.358+/-61.711 χ^2/NDF: 53.6/52

asym_sam7_reg_correction_rms vs Slug



Right In: 369.081+/-0.085 χ^2/NDF: 7521755.4/23

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 355.299+/-0.079 χ^2/NDF: 10477295.8/29

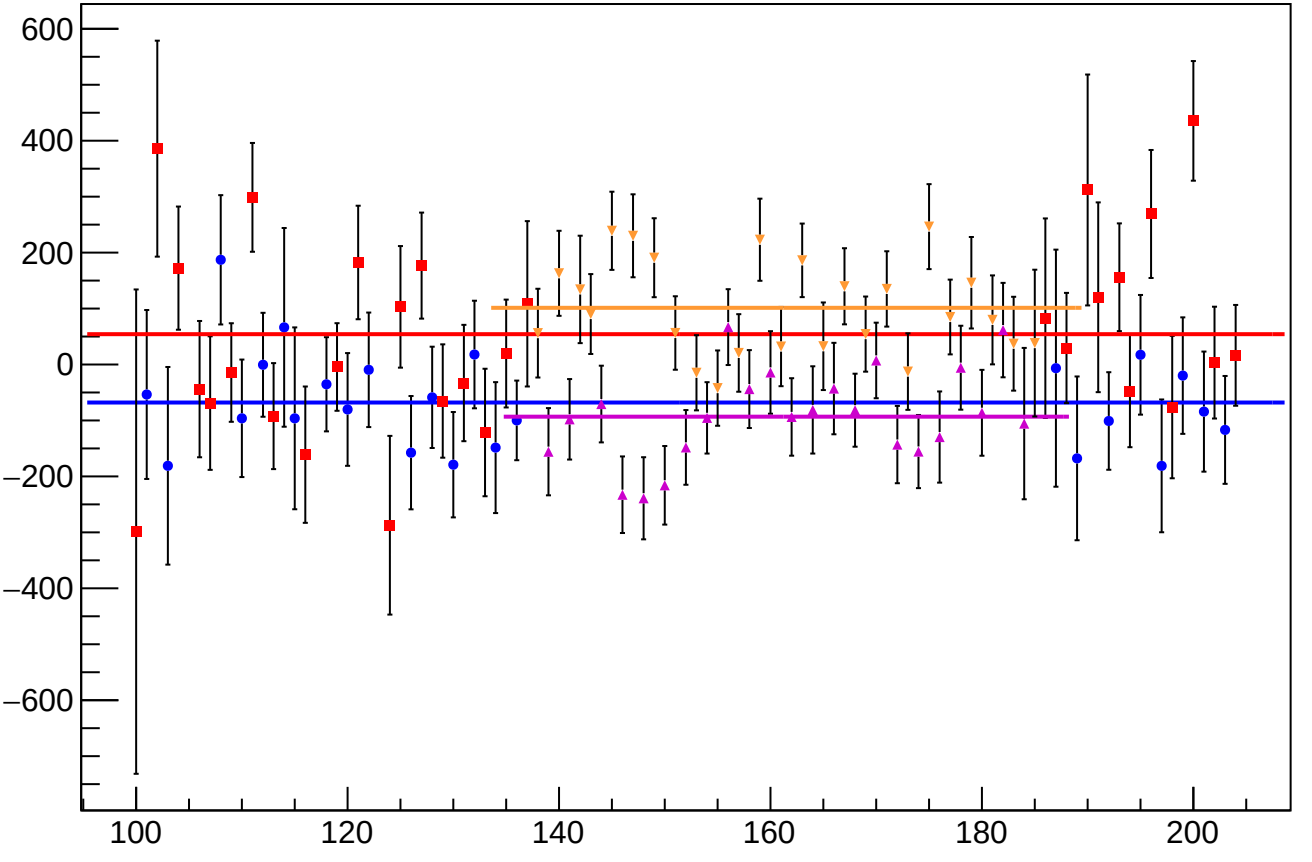
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 323.158+/-0.043 χ^2/NDF: 9232489.8/48

All: 323.648+/-0.031 χ^2/NDF: 21009528.9/10

- sign 324.144+/-0.044 χ^2/NDF: 11776782.3/52

cor_asym_sam7_mean vs Slug



Right In: -67.944+/-21.724 χ^2/NDF: 13.4/23

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 54.219+/-20.283 χ^2/NDF: 53.9/29

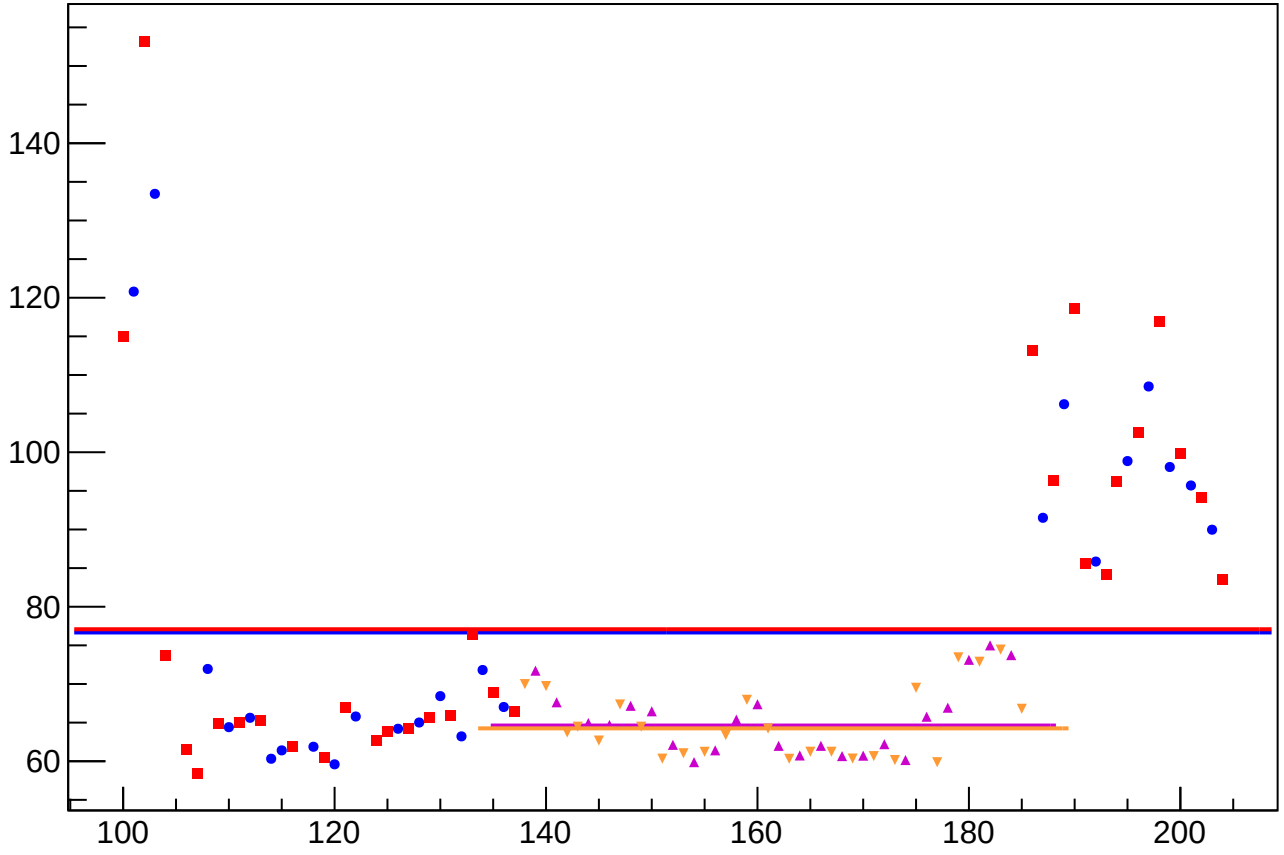
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 48.452+/-12.142 χ^2/NDF: 89.0/48

All: 3.943+/-8.582 χ^2/NDF: 232.6/101

- sign -40.489+/-12.131 χ^2/NDF: 116.7/52

cor_asym_sam7_rms vs Slug



Right In: 76.670+/-0.015 χ^2/NDF: 1300092.3/23

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.086+/-0.014 χ^2/NDF: 1589408.8/29

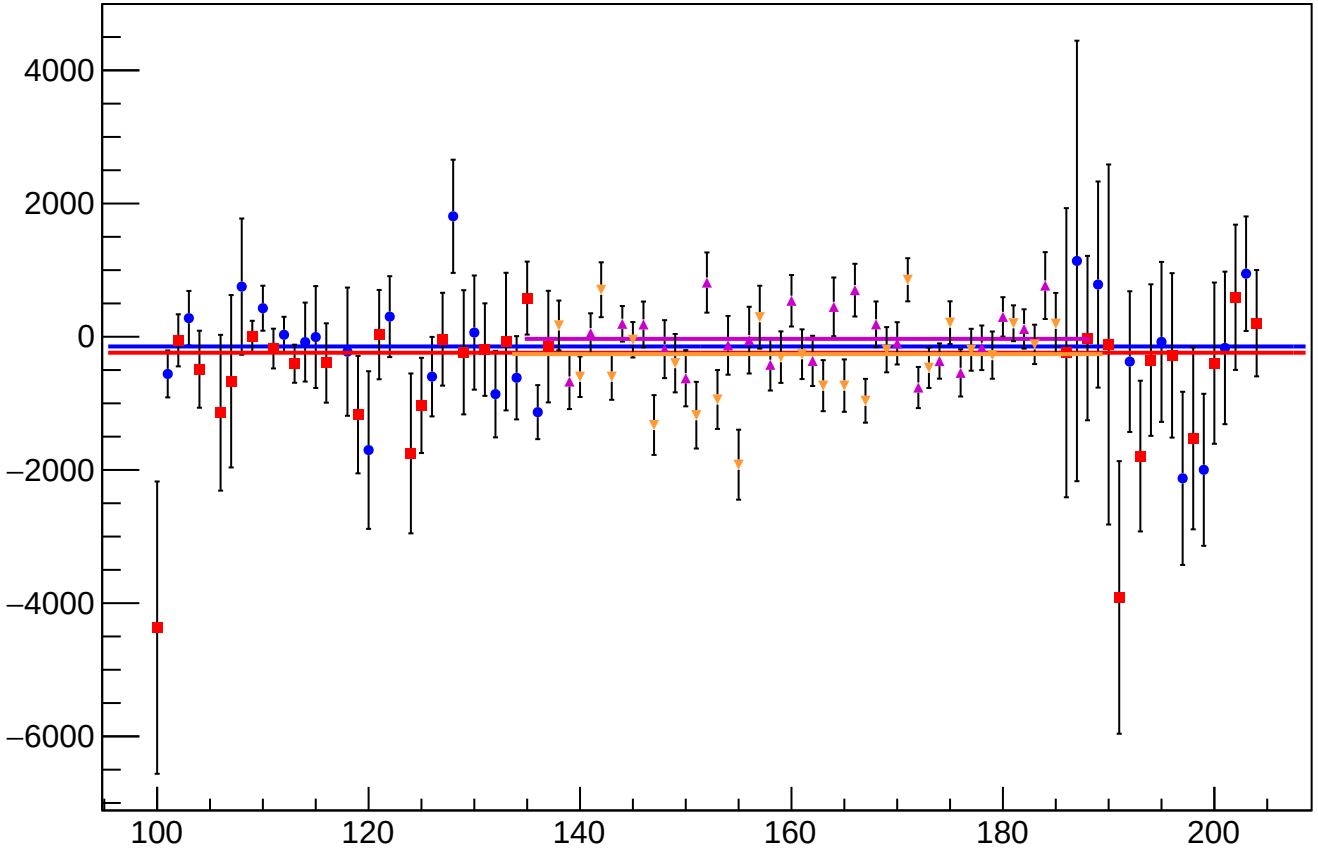
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.133+/-0.009 χ^2/NDF: 1926884.6/48

All: 68.607+/-0.006 χ^2/NDF: 4154727.5/101

- sign 69.080+/-0.009 χ^2/NDF: 2221757.9/52

asym_sam7_cor_correction_mean vs Slug



Right In: -145.980+/-120.685 χ^2/NDF: 29.6/23

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -239.680+/-112.570 χ^2/NDF: 19.5/29

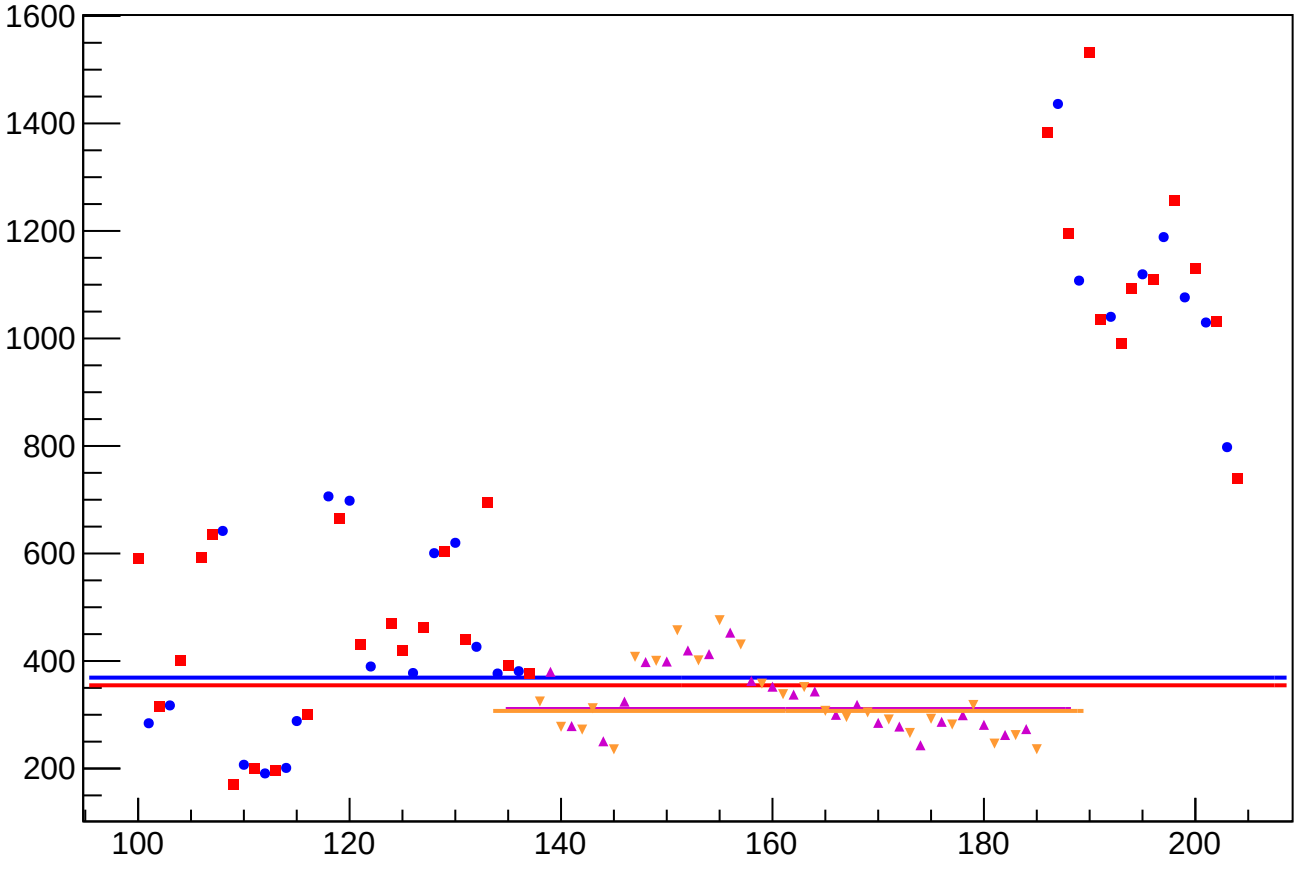
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -231.353+/-61.367 χ^2/NDF: 89.1/48

All: -163.474+/-43.525 χ^2/NDF: 145.1/101

- sign -94.766+/-61.741 χ^2/NDF: 53.6/52

asym_sam7_cor_correction_rms vs Slug



Right In: 369.084+/-0.085 χ^2/NDF: 7521724.0/23

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 354.793+/-0.080 χ^2/NDF: 10465209.2/29

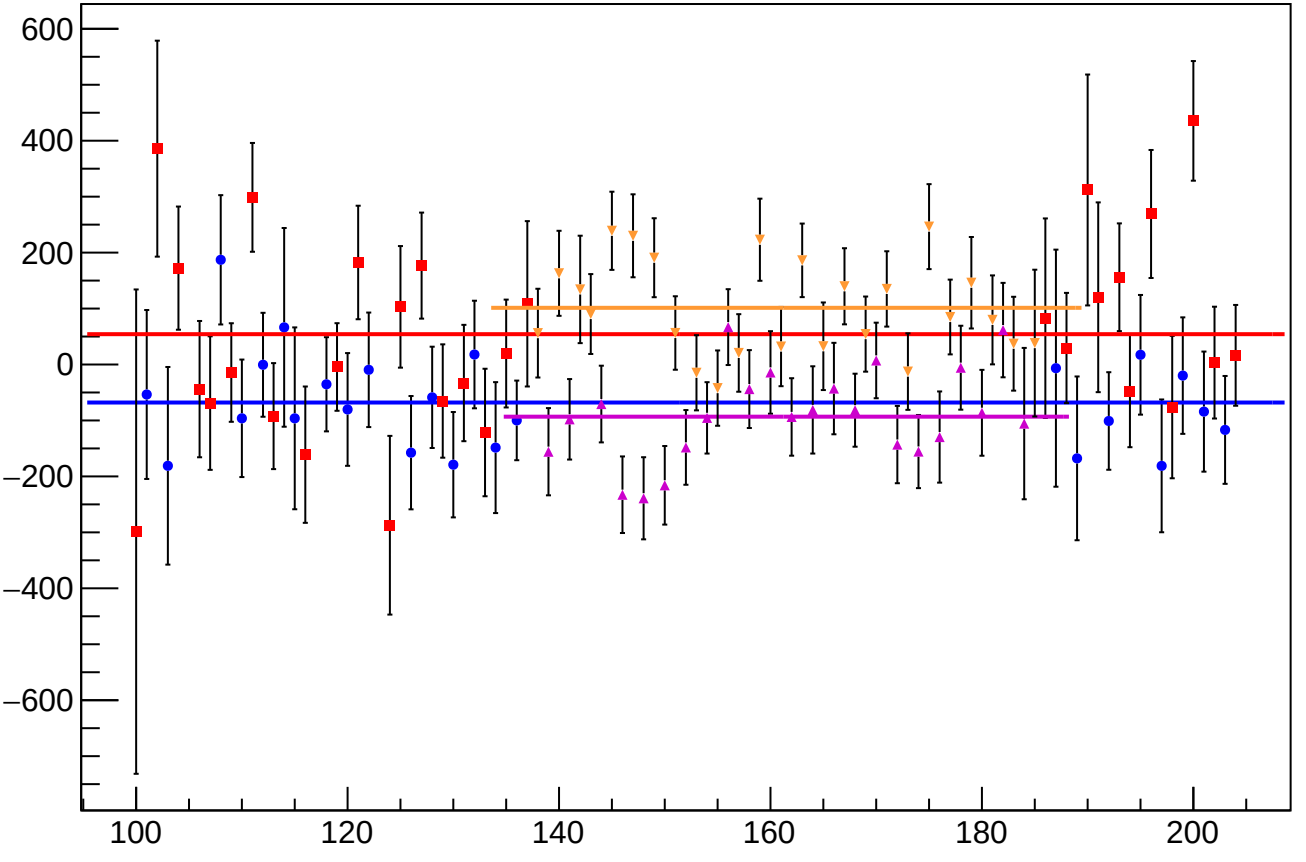
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 323.158+/-0.043 χ^2/NDF: 9232483.4/48

All: 323.558+/-0.031 χ^2/NDF: 20991909.6/10

- sign 323.962+/-0.044 χ^2/NDF: 11759255.7/52

eigen_cor_asym_sam7_mean vs Slug



Right In: -67.944+/-21.724 χ^2/NDF: 13.4/23

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 54.219+/-20.283 χ^2/NDF: 53.9/29

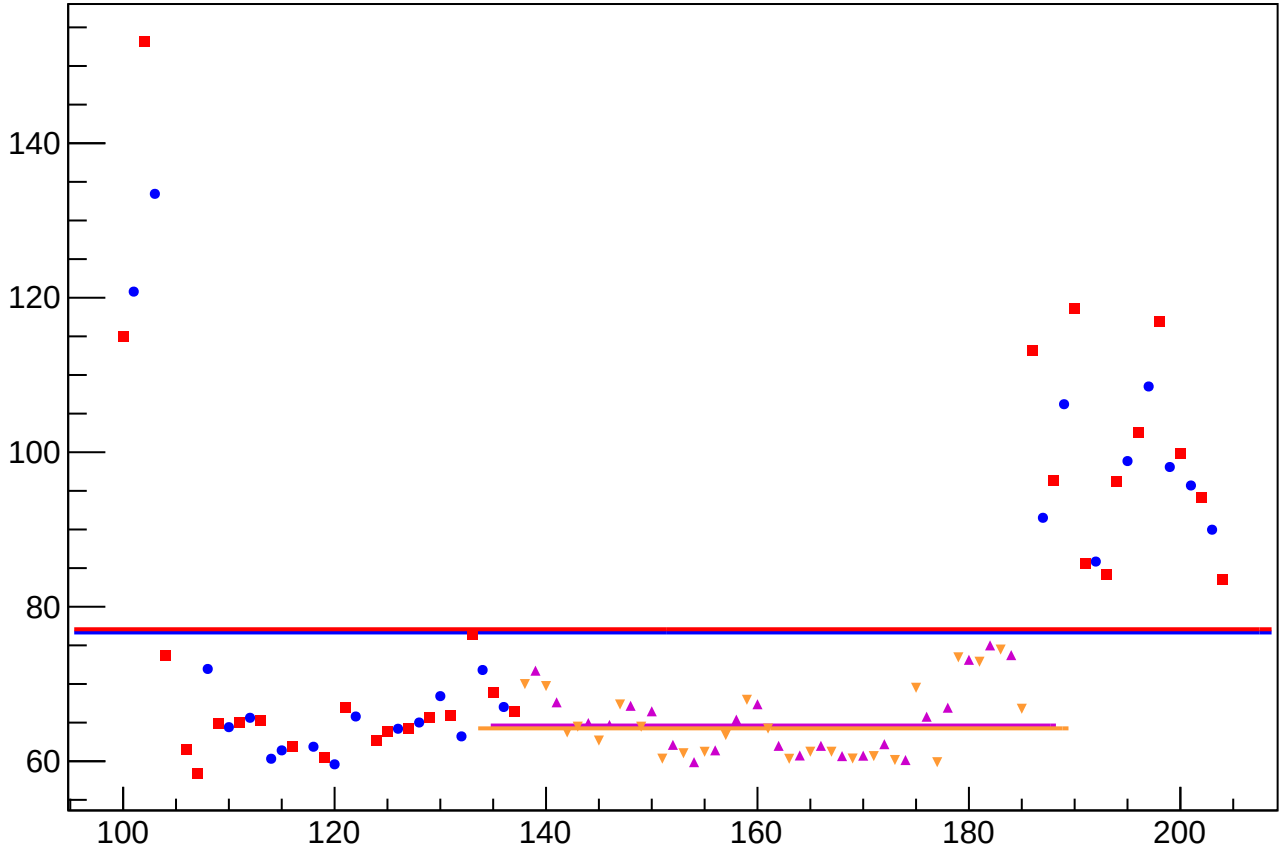
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 48.452+/-12.142 χ^2/NDF: 89.0/48

All: 3.943+/-8.582 χ^2/NDF: 232.6/101

- sign -40.489+/-12.131 χ^2/NDF: 116.7/52

eigen_cor_asym_sam7_rms vs Slug



Right In: 76.670+/-0.015 χ^2/NDF: 1300092.3/23

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.086+/-0.014 χ^2/NDF: 1589408.8/29

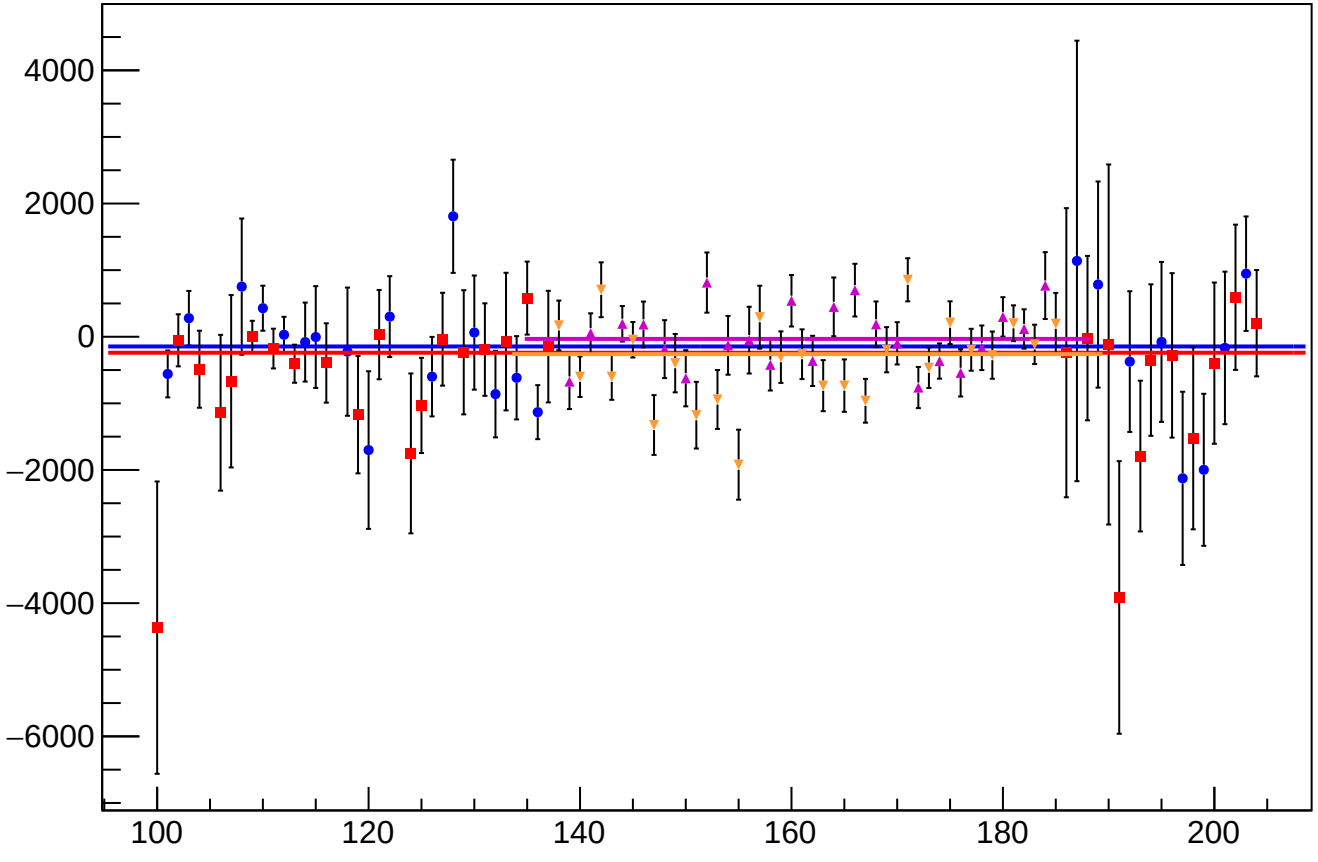
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.133+/-0.009 χ^2/NDF: 1926884.6/48

All: 68.607+/-0.006 χ^2/NDF: 4154727.5/101

- sign 69.080+/-0.009 χ^2/NDF: 2221757.9/52

asym_sam7_eigen_cor_correction_mean vs Slug



Right In: -145.980+/-120.685 χ^2/NDF: 29.6/23

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -239.680+/-112.570 χ^2/NDF: 19.5/29

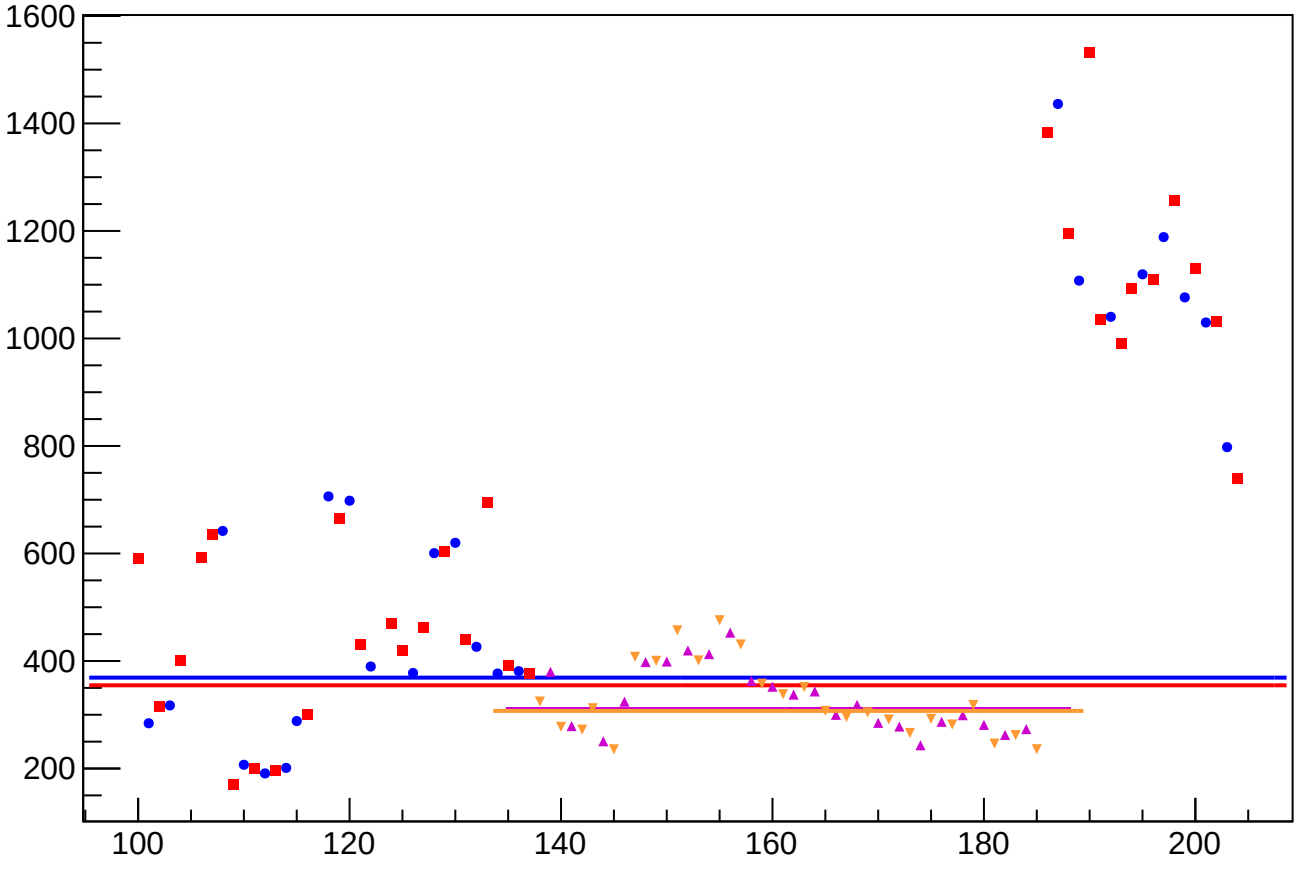
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -231.353+/-61.367 χ^2/NDF: 89.1/48

All: -163.474+/-43.525 χ^2/NDF: 145.1/101

- sign -94.766+/-61.741 χ^2/NDF: 53.6/52

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 369.084+/-0.085 χ^2/NDF: 7521724.0/23

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 354.793+/-0.080 χ^2/NDF: 10465209.2/29

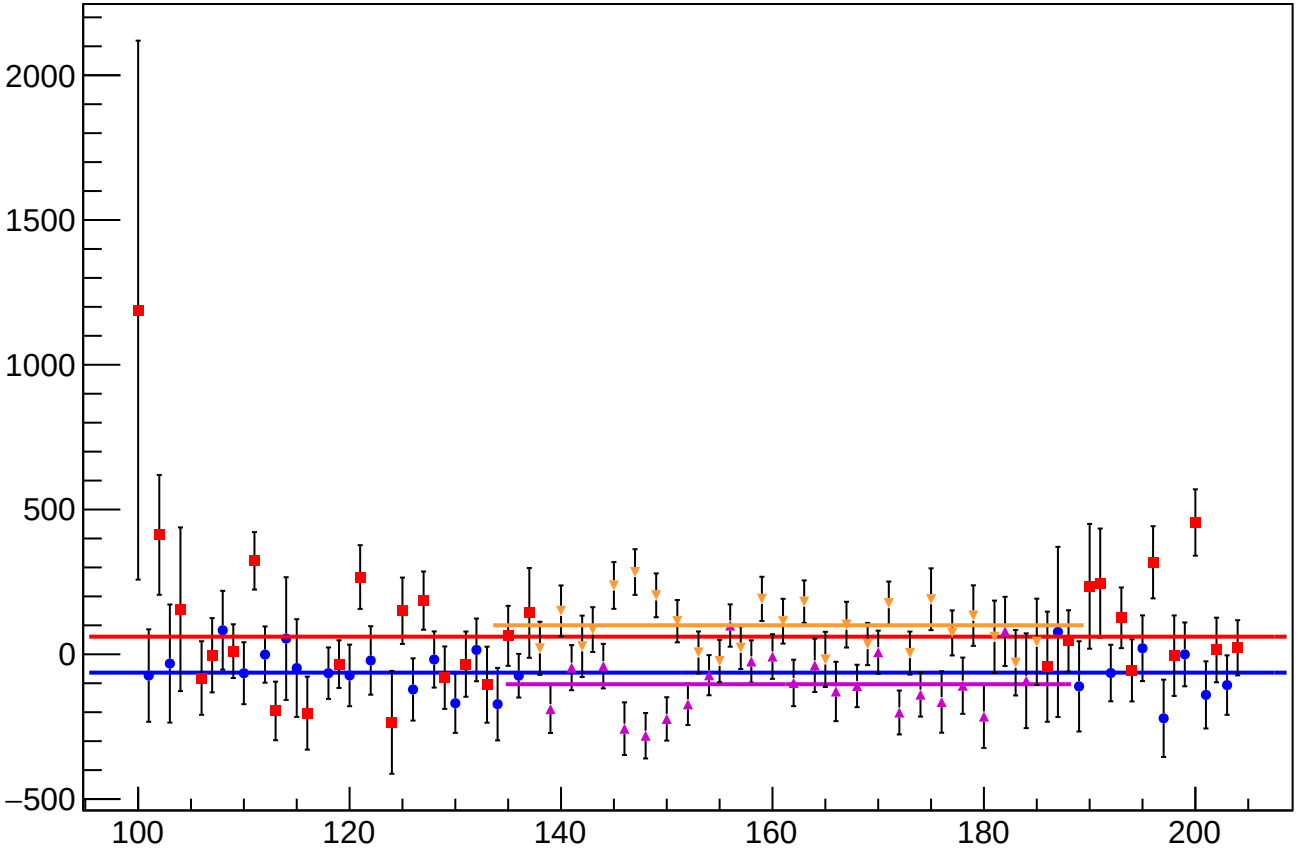
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 323.158+/-0.043 χ^2/NDF: 9232483.4/48

All: 323.558+/-0.031 χ^2/NDF: 20991909.6/10

- sign 323.962+/-0.044 χ^2/NDF: 11759255.7/52

dit_asym_sam7_mean vs Slug



Right In: -63.345+/-23.501 χ^2/NDF: 8.1/23

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 60.902+/-22.035 χ^2/NDF: 58.2/29

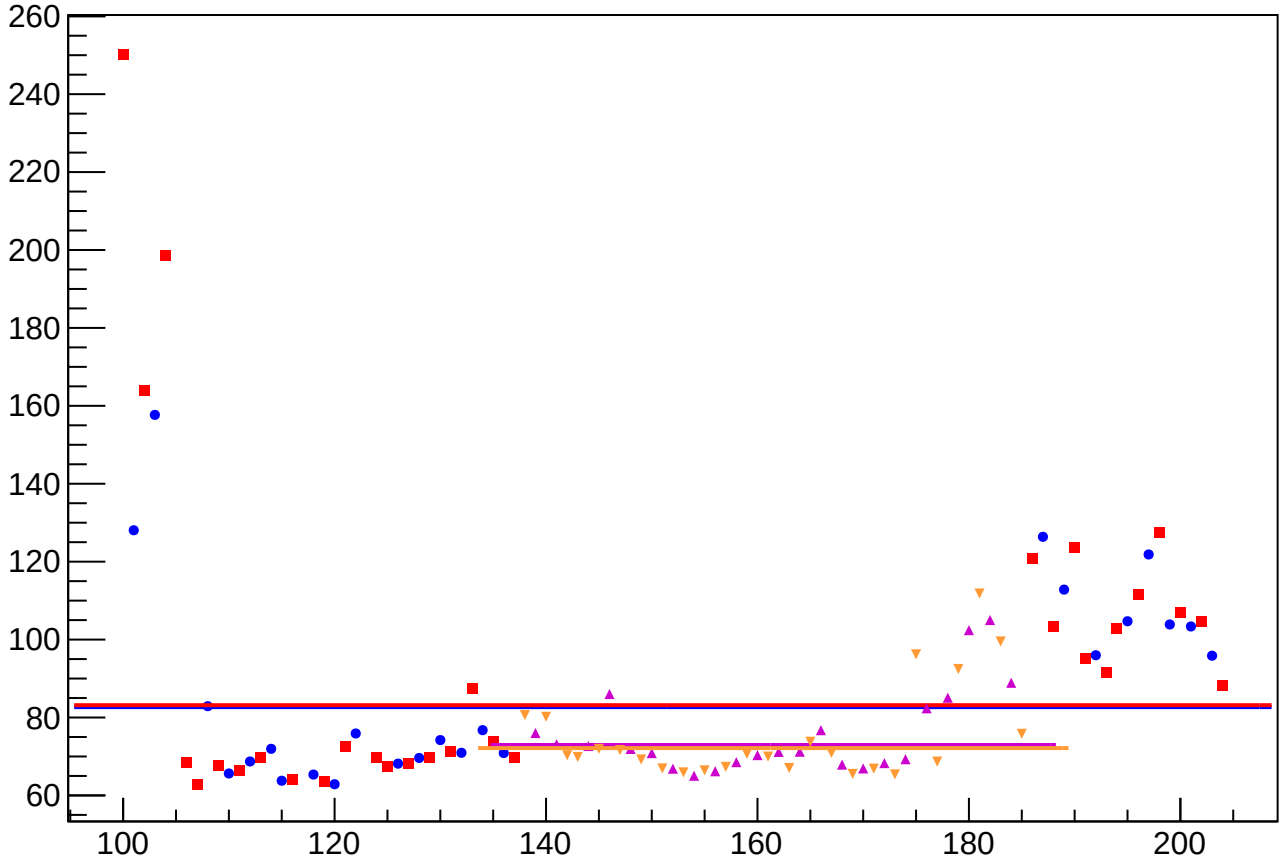
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 45.704+/-13.572 χ^2/NDF: 68.1/48

All: 2.452+/-9.603 χ^2/NDF: 213.9/101

- sign -40.899+/-13.588 χ^2/NDF: 125.4/52

dit_asym_sam7_rms vs Slug



Right In: 82.664+/-0.017 χ^2/NDF: 1443829.1/23

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 83.161+/-0.016 χ^2/NDF: 2071212.6/29

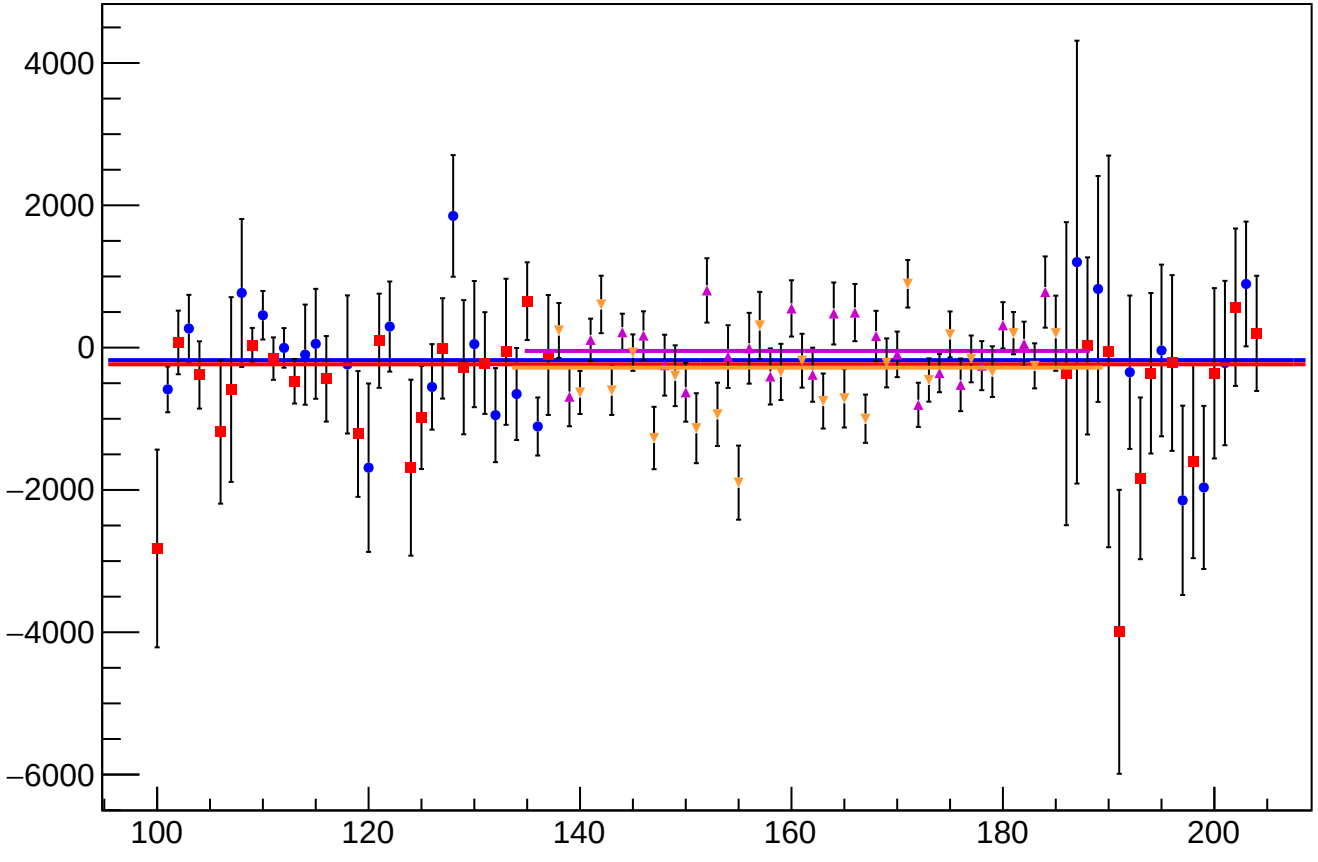
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 75.657+/-0.010 χ^2/NDF: 2352617.0/48

All: 76.243+/-0.007 χ^2/NDF: 5206615.3/101

- sign 76.832+/-0.010 χ^2/NDF: 2846508.4/52

asym_sam7_dit_correction_mean vs Slug



Right In: -175.815+/-123.050 χ^2/NDF: 29.4/23

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -234.599+/-114.445 χ^2/NDF: 21.1/29

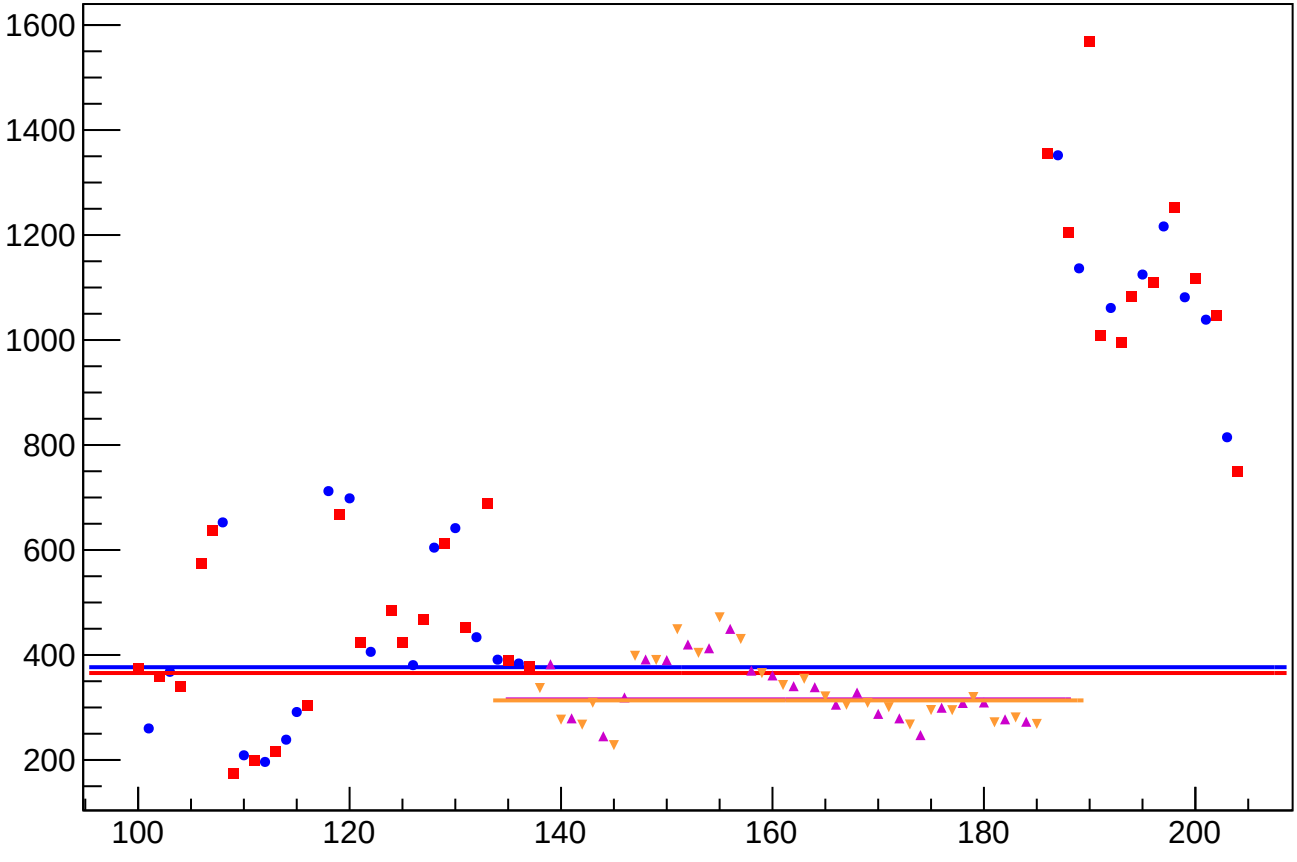
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -254.026+/-62.488 χ^2/NDF: 86.8/48

All: -178.708+/-44.250 χ^2/NDF: 143.4/101

- sign -102.952+/-62.670 χ^2/NDF: 53.7/52

asym_sam7_dit_correction_rms vs Slug



Right In: 376.746+/-0.087 χ^2/NDF: 7496880.1/23

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 365.631+/-0.081 χ^2/NDF: 10119952.7/29

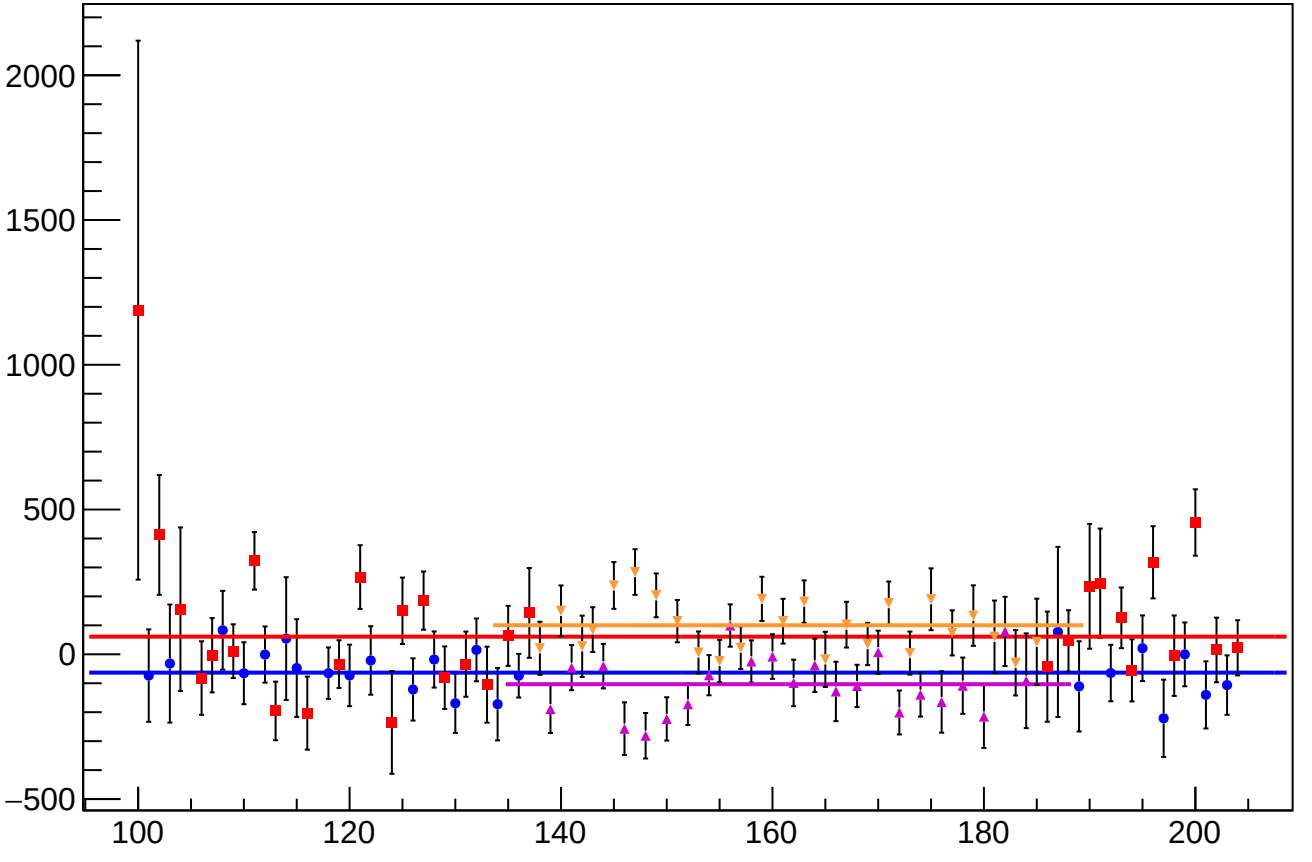
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 329.811+/-0.044 χ^2/NDF: 9064510.2/48

All: 330.155+/-0.031 χ^2/NDF: 20462265.9/10

- sign 330.501+/-0.044 χ^2/NDF: 11397634.0/52

eigen_dit_asym_sam7_mean vs Slug



Right In: -63.344+/-23.501 χ^2/NDF: 8.1/23

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 60.902+/-22.035 χ^2/NDF: 58.2/29

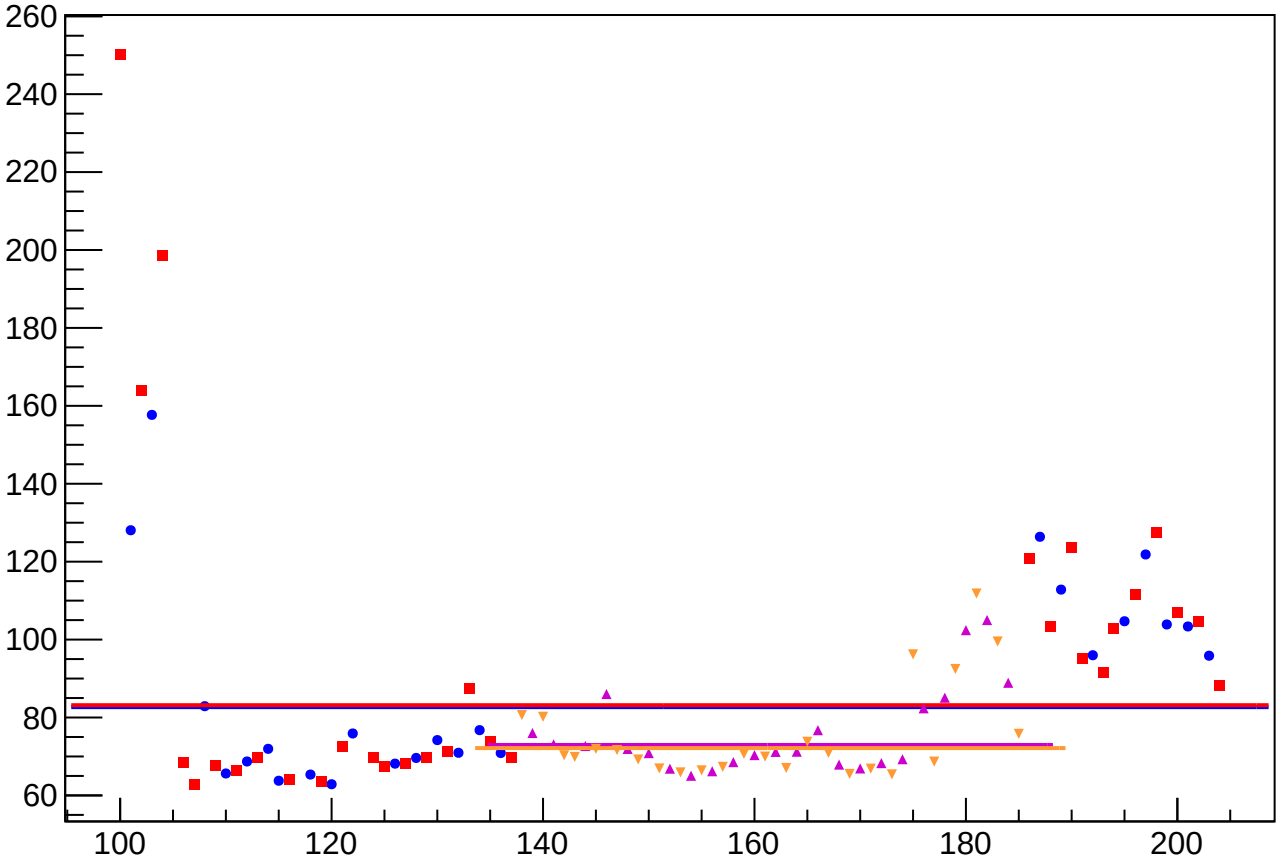
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 45.704+/-13.572 χ^2/NDF: 68.1/48

All: 2.452+/-9.603 χ^2/NDF: 213.9/101

- sign -40.899+/-13.588 χ^2/NDF: 125.4/52

eigen_dit_asym_sam7_rms vs Slug



Right In: 82.664+/-0.017 χ^2/NDF: 1443837.2/23

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 83.161+/-0.016 χ^2/NDF: 2071214.5/29

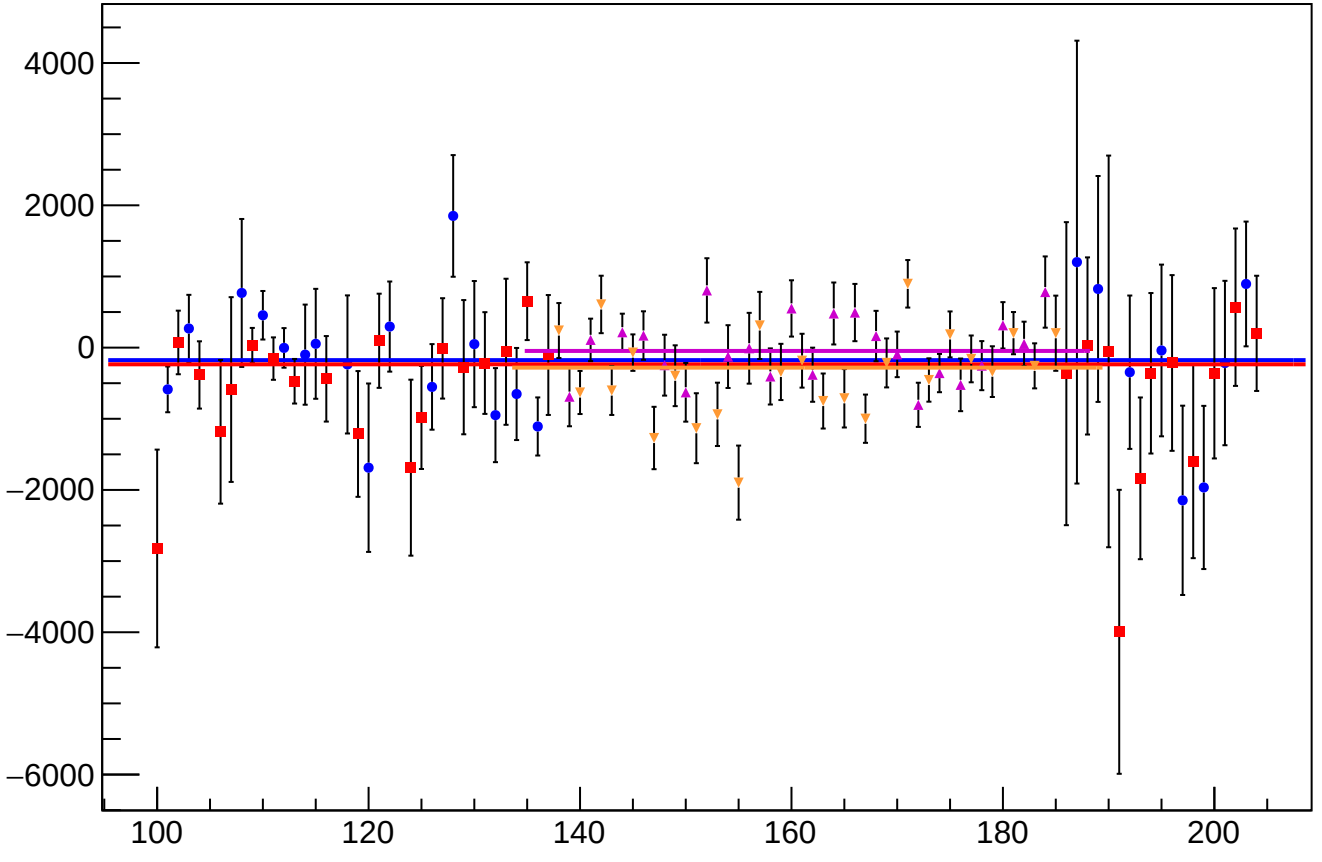
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 75.657+/-0.010 χ^2/NDF: 2352616.2/48

All: 76.243+/-0.007 χ^2/NDF: 5206610.4/101

- sign 76.832+/-0.010 χ^2/NDF: 2846504.2/52

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -175.813+/-123.049 χ^2/NDF: 29.4/23

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -234.598+/-114.445 χ^2/NDF: 21.1/29

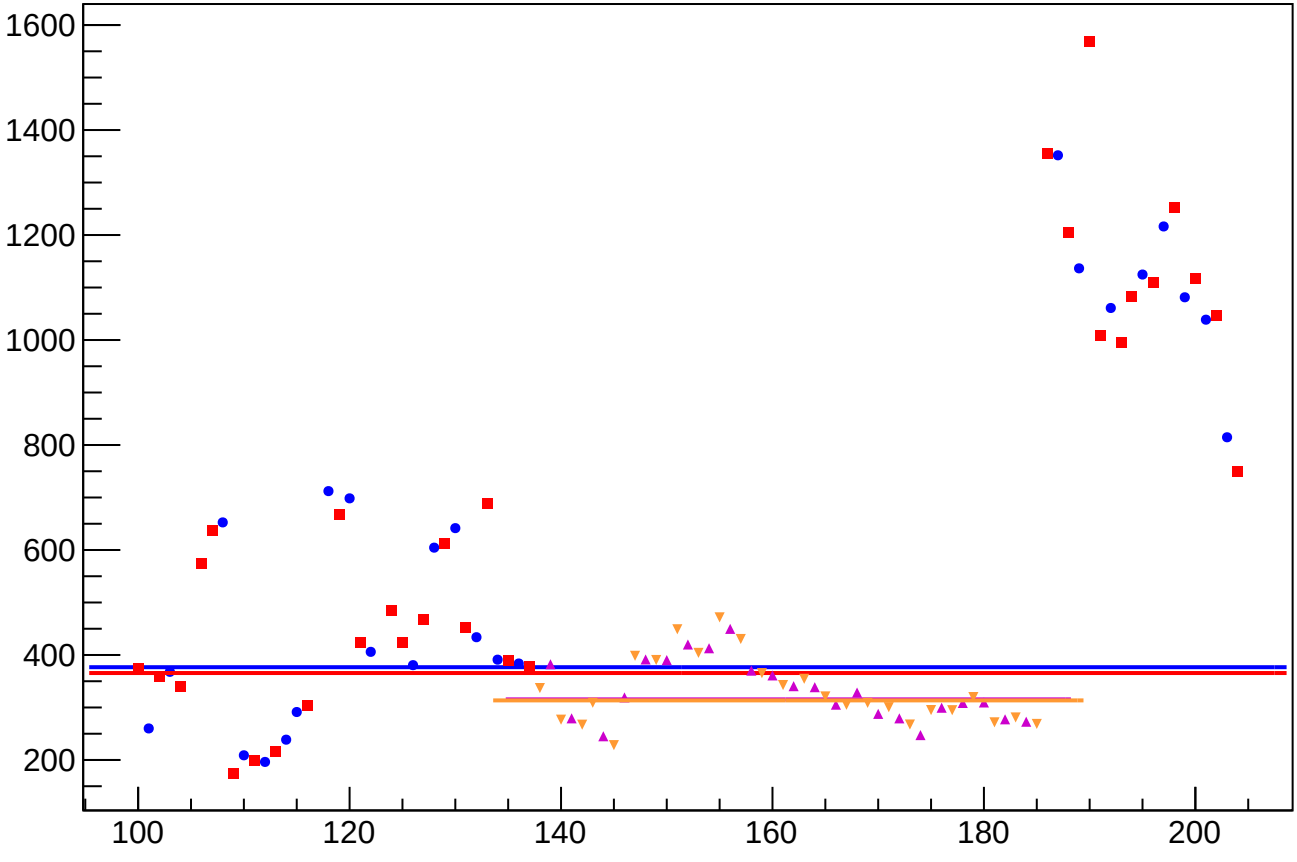
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -254.025+/-62.488 χ^2/NDF: 86.8/48

All: -178.708+/-44.250 χ^2/NDF: 143.4/101

- sign -102.952+/-62.670 χ^2/NDF: 53.7/52

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 376.743+/-0.087 χ^2/NDF: 7496949.4/23

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 365.629+/-0.081 χ^2/NDF: 10119994.3/29

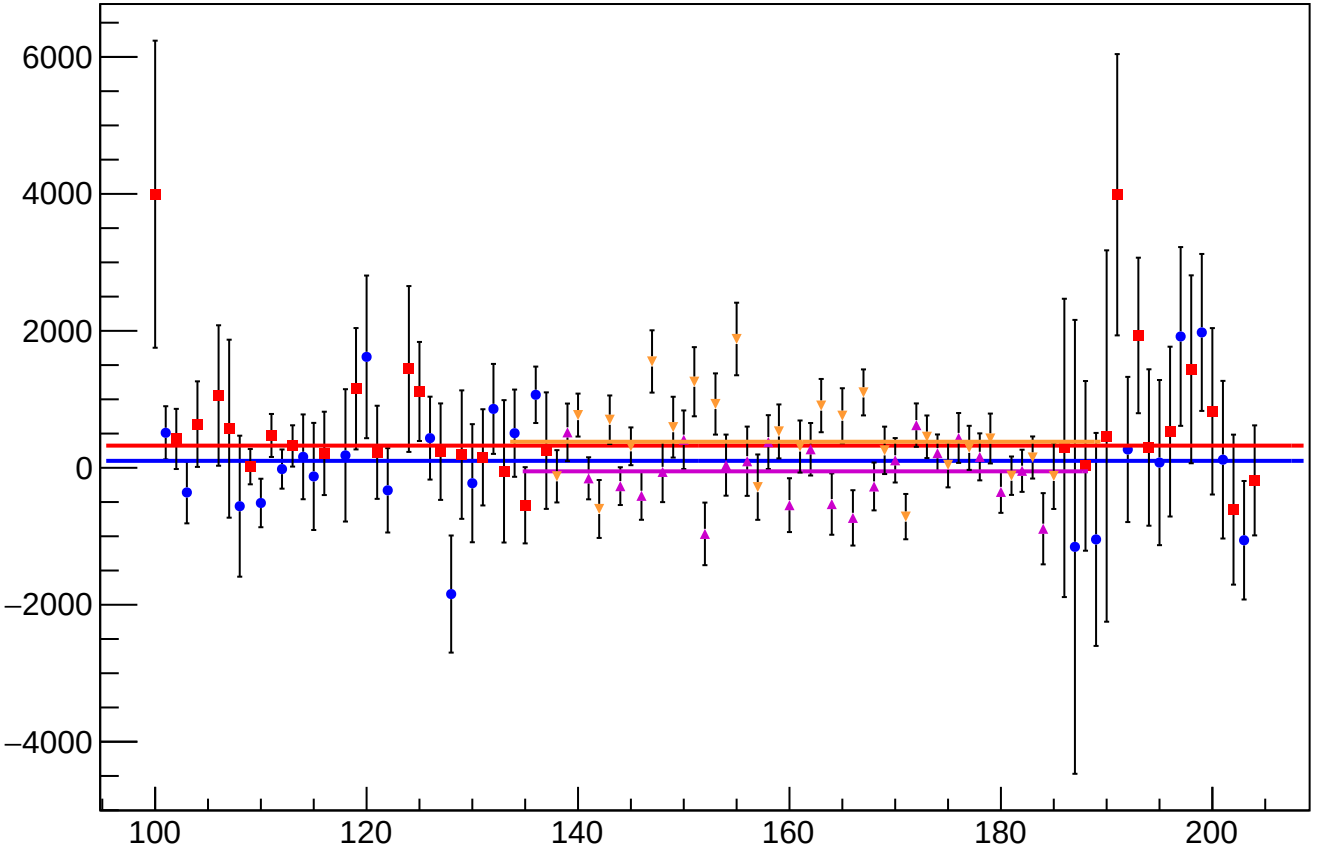
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 329.810+/-0.044 χ^2/NDF: 9064551.5/48

All: 330.154+/-0.031 χ^2/NDF: 20462326.1/10

- sign 330.501+/-0.044 χ^2/NDF: 11397652.7/52

asym_sam7_mean vs Slug



Right In: 101.507+/-126.012 χ^2/NDF: 27.9/23

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 323.969+/-117.734 χ^2/NDF: 18.1/29

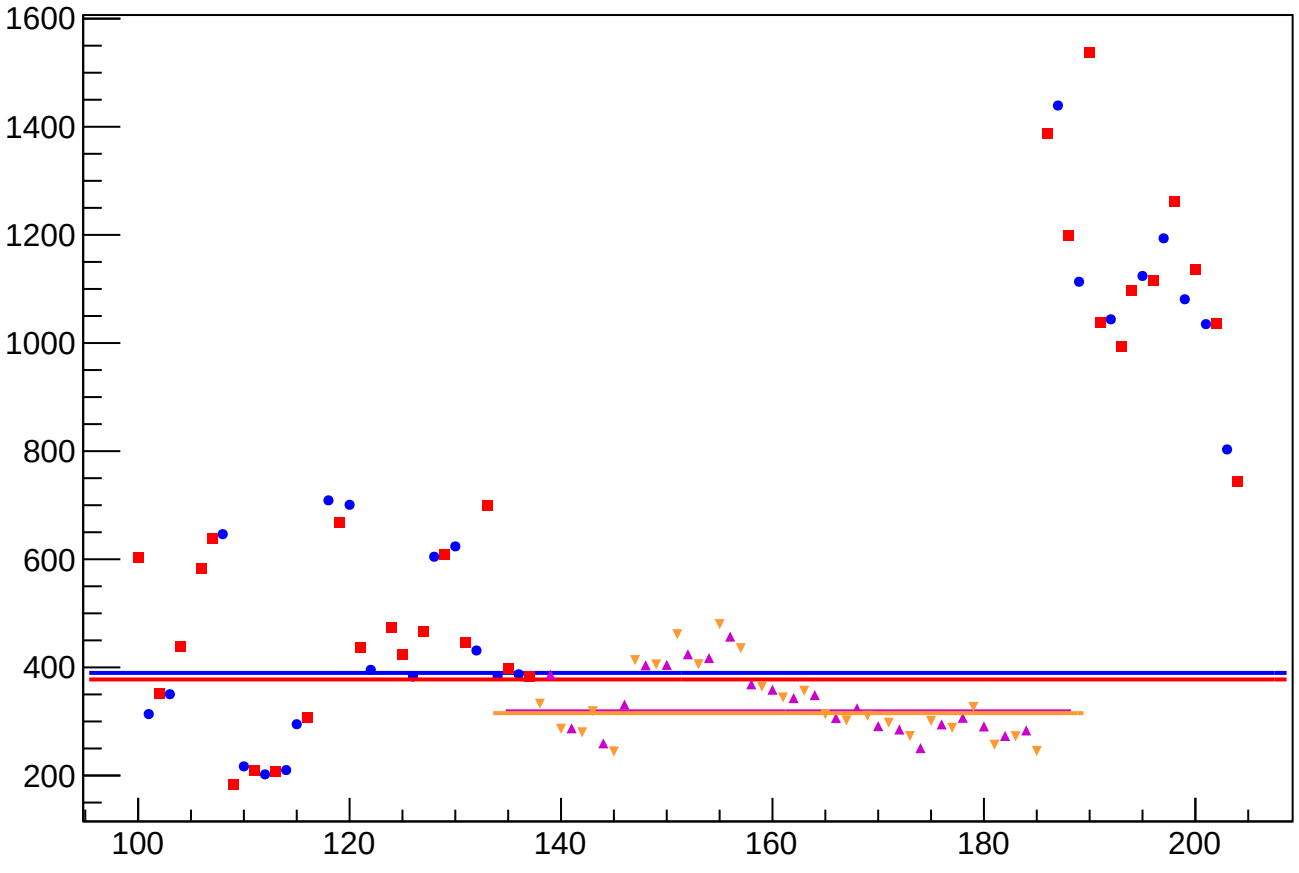
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 310.408+/-63.203 χ^2/NDF: 87.1/48

All: 185.155+/-44.842 χ^2/NDF: 148.4/101

- sign 58.195+/-63.632 χ^2/NDF: 53.5/52

asym_sam7_rms vs Slug



Right In: 389.808+/-0.089 χ^2/NDF: 7096677.8/23

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 377.699+/-0.083 χ^2/NDF: 9915252.5/29

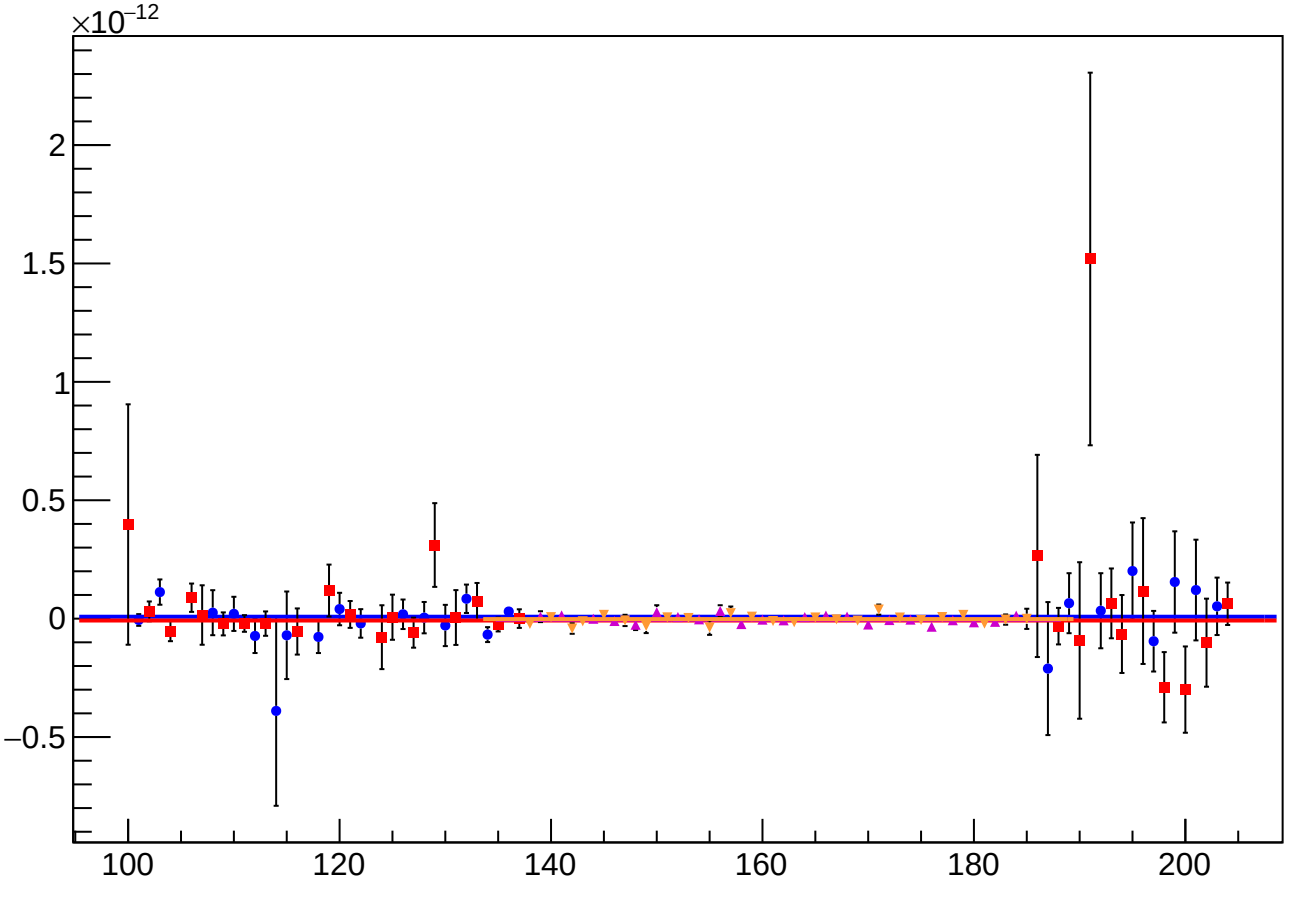
Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 334.115+/-0.045 χ^2/NDF: 8828759.8/48

All: 335.014+/-0.032 χ^2/NDF: 20092109.2/10

- sign 335.926+/-0.045 χ^2/NDF: 11262534.1/52

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

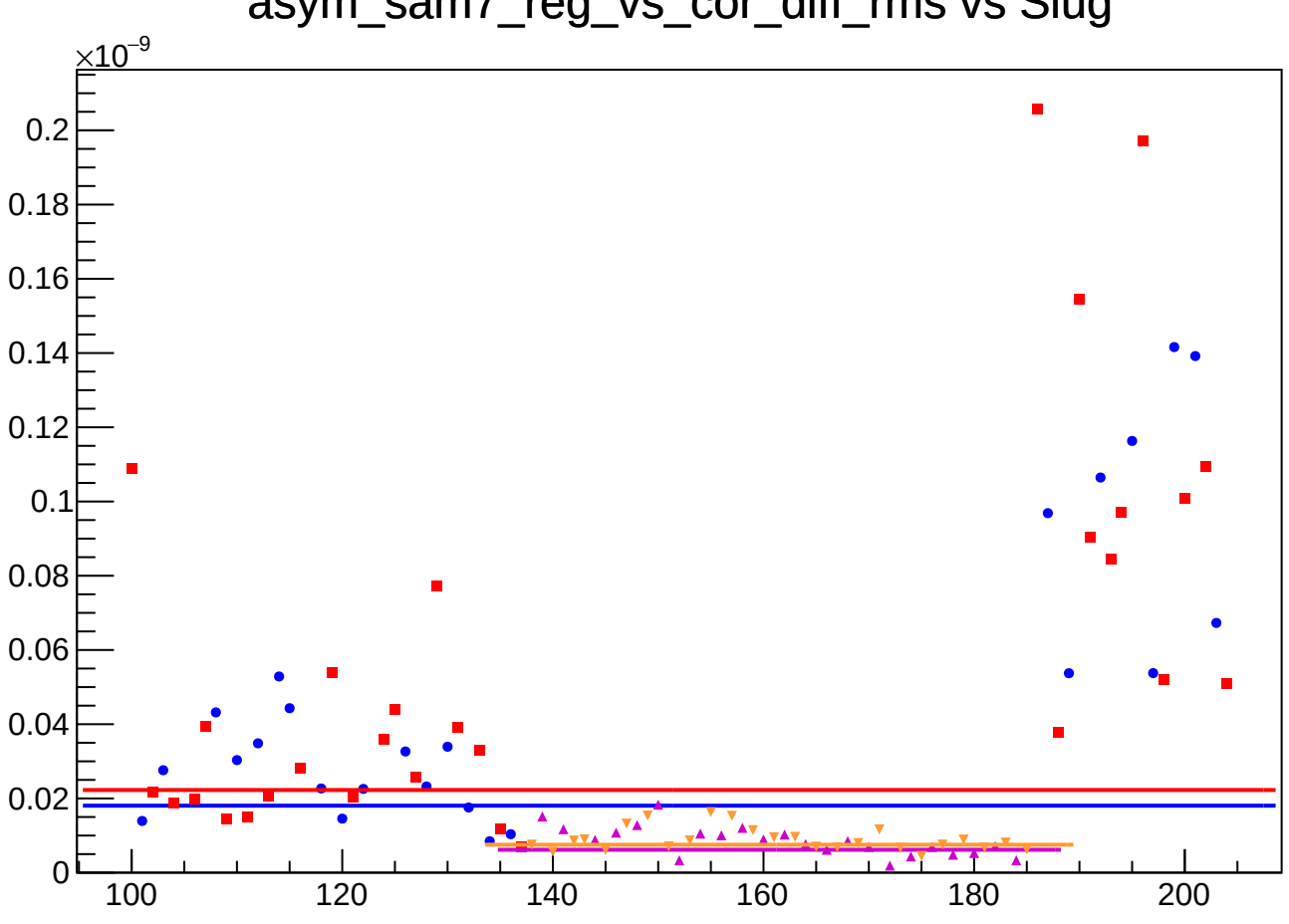
Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/29

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.8/48

All: -0.000+/-0.000 χ^2/NDF: 84.0/101

- sign -0.000+/-0.000 χ^2/NDF: 42.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 4458894.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4686936.7/29

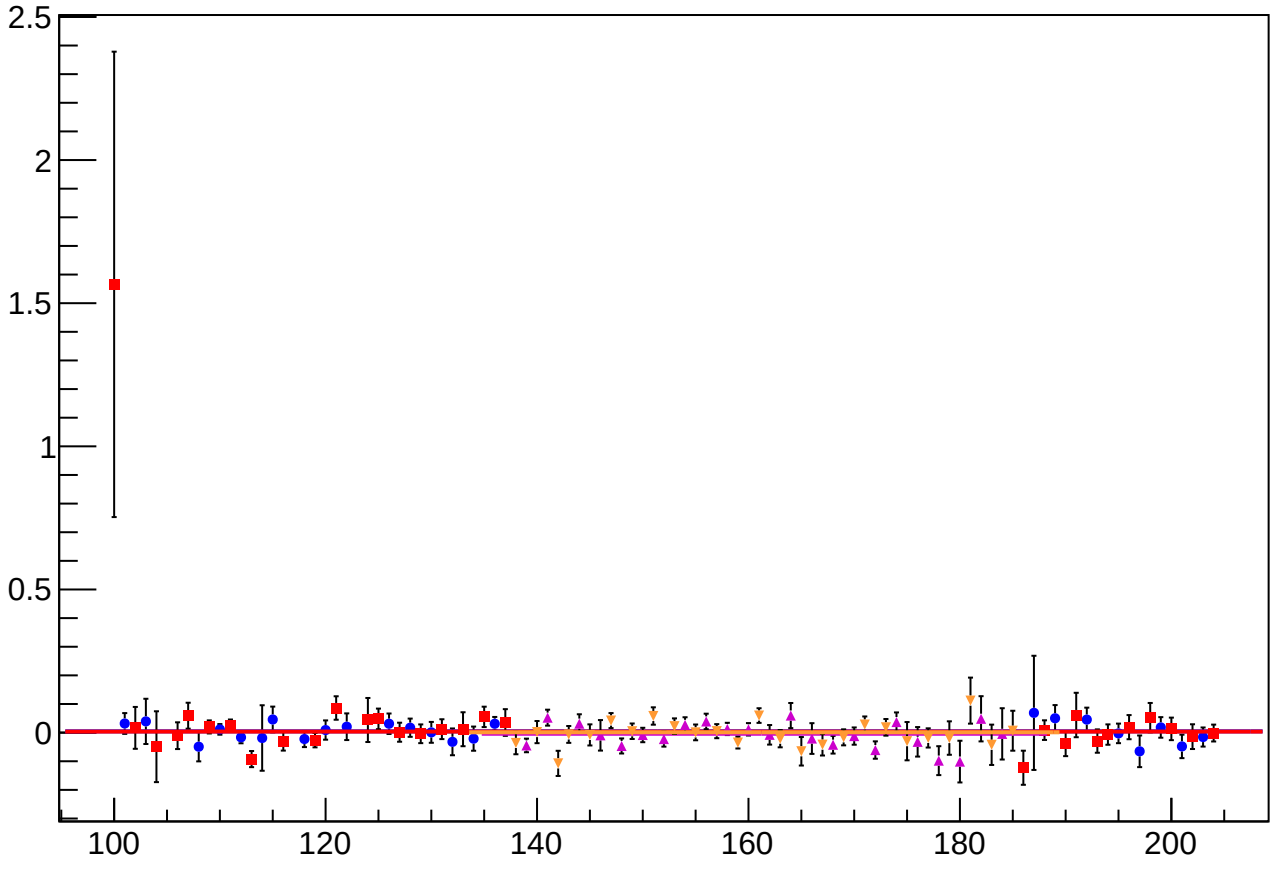
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7422830.5/48

All: 0.000+/-0.000 χ^2/NDF: 18304810.8/101

- sign 0.000+/-0.000 χ^2/NDF: 10689648.8/52

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.007 χ^2/NDF: 13.7/23

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.1/29

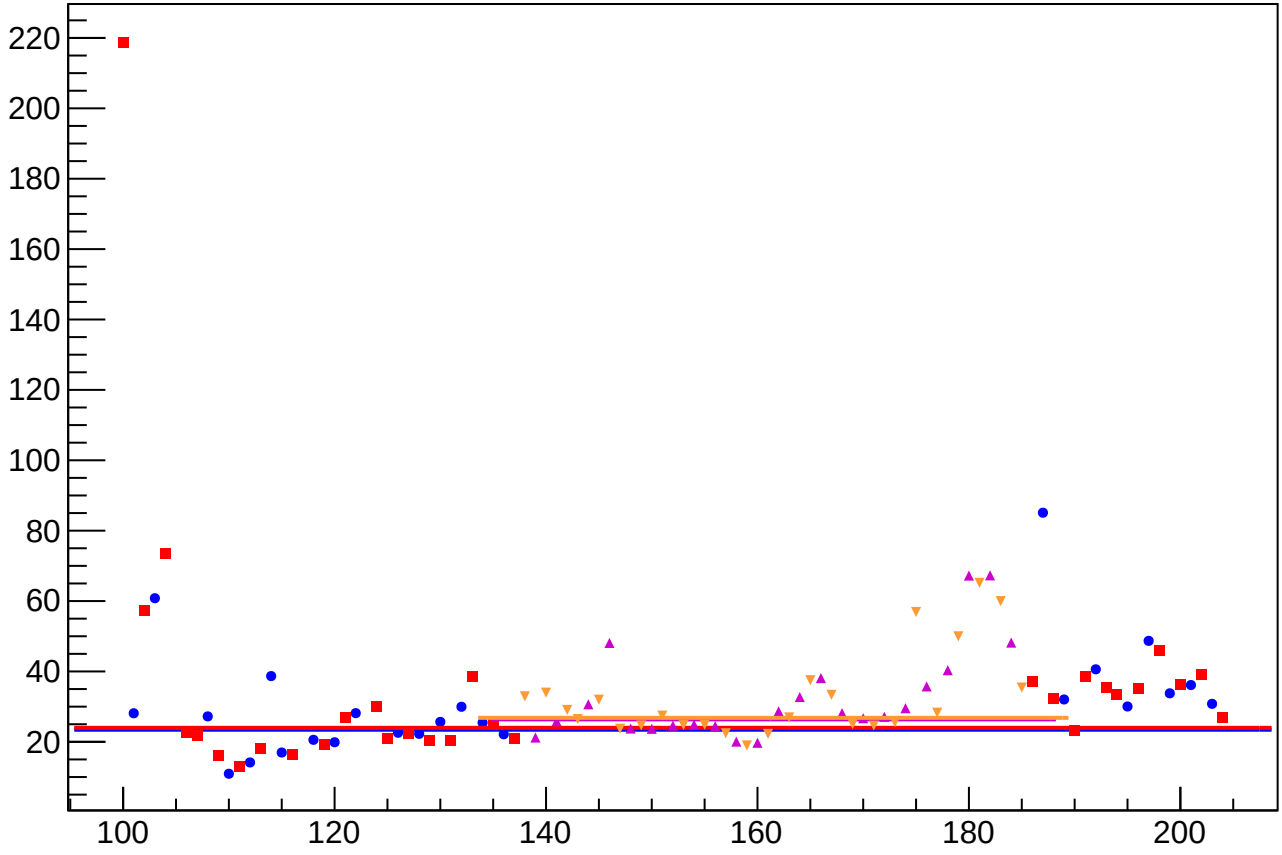
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 44.1/48

All: 0.001+/-0.003 χ^2/NDF: 114.2/101

- sign -0.000+/-0.005 χ^2/NDF: 69.9/52

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 23.441+/-0.005 χ^2/NDF: 3542840.9/23

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.983+/-0.005 χ^2/NDF: 3770206.4/29

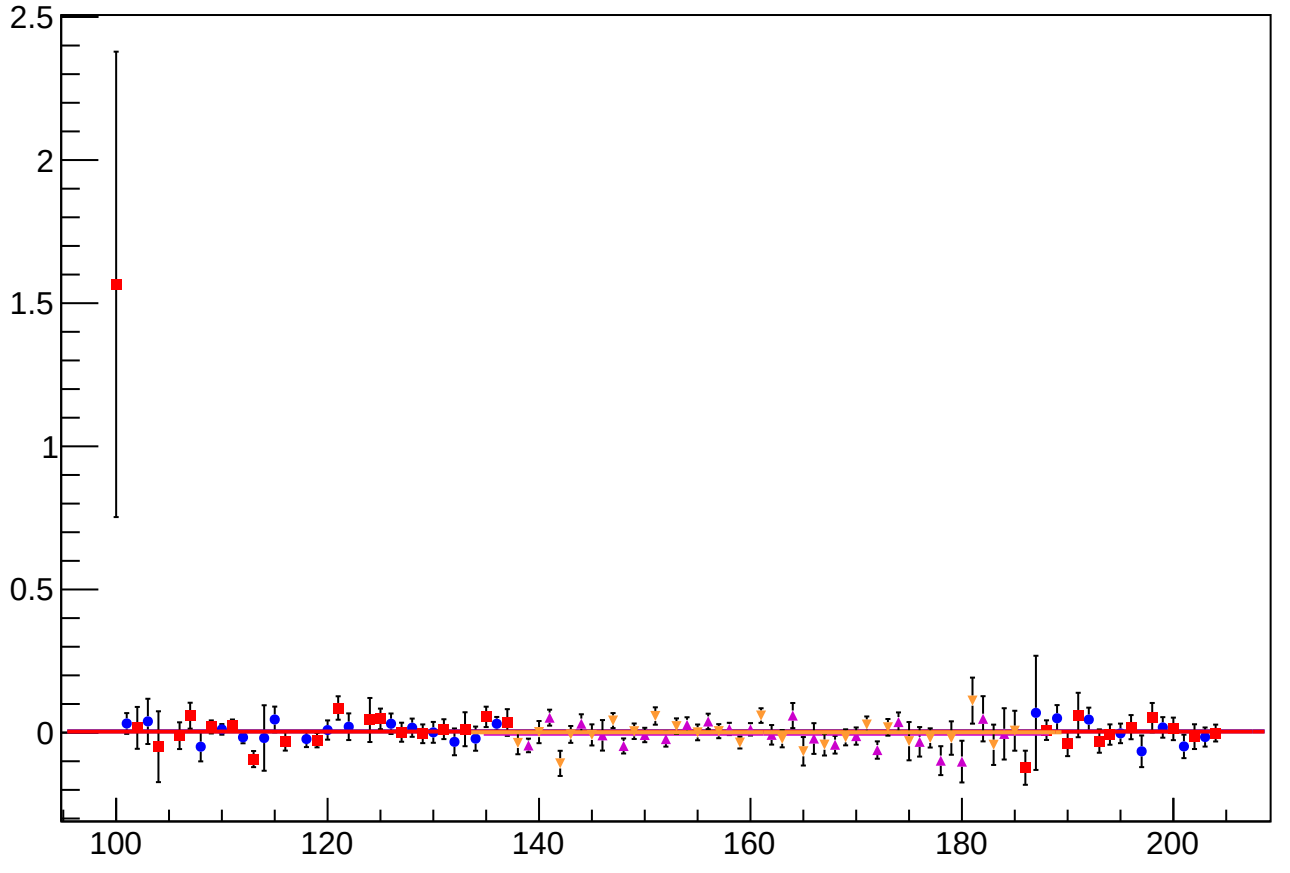
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 25.295+/-0.003 χ^2/NDF: 6257073.4/48

All: 25.252+/-0.002 χ^2/NDF: 12721935.1/101

- sign 25.211+/-0.003 χ^2/NDF: 6464551.1/52

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.007 χ^2/NDF: 13.7/23

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.1/29

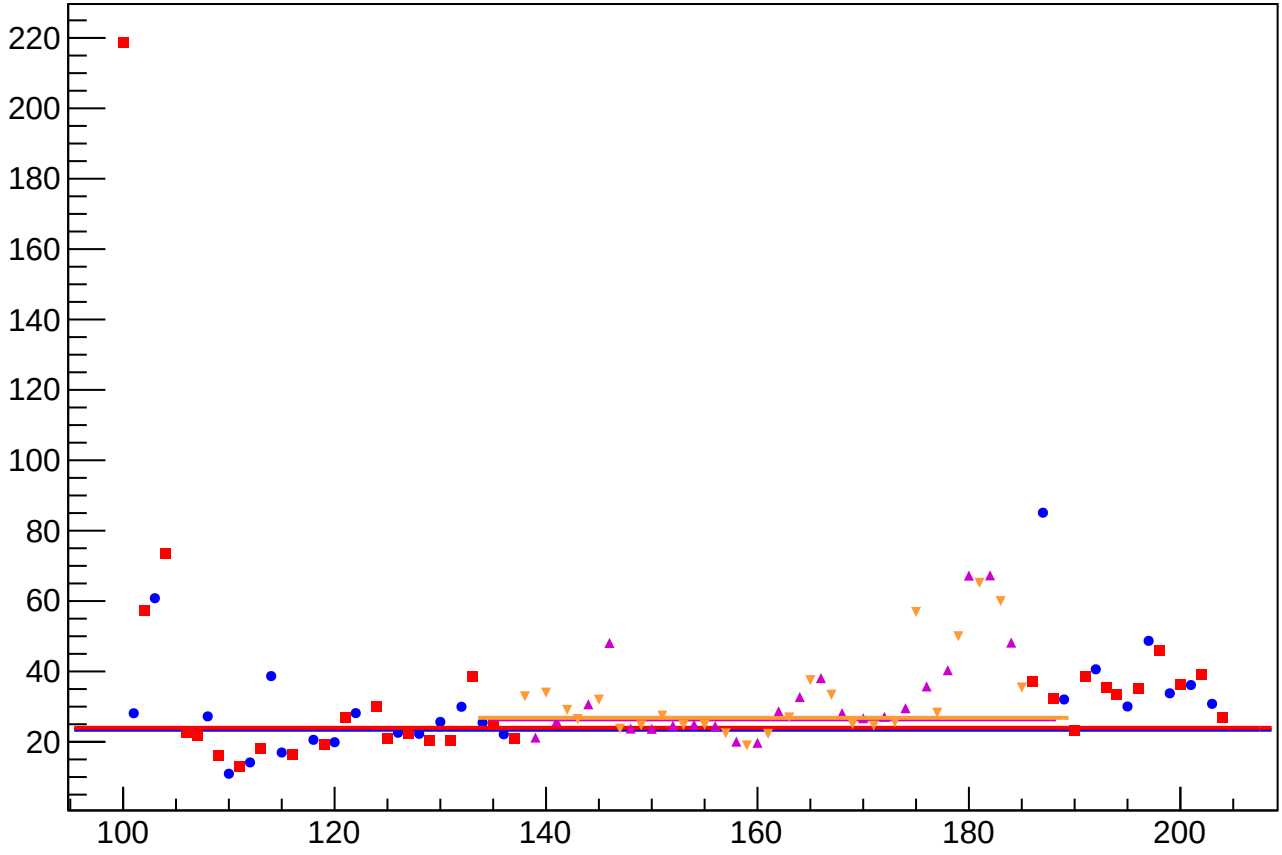
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 44.1/48

All: 0.001+/-0.003 χ^2/NDF: 114.2/101

- sign -0.000+/-0.005 χ^2/NDF: 69.9/52

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.441+/-0.005 χ^2/NDF: 3542840.9/23

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

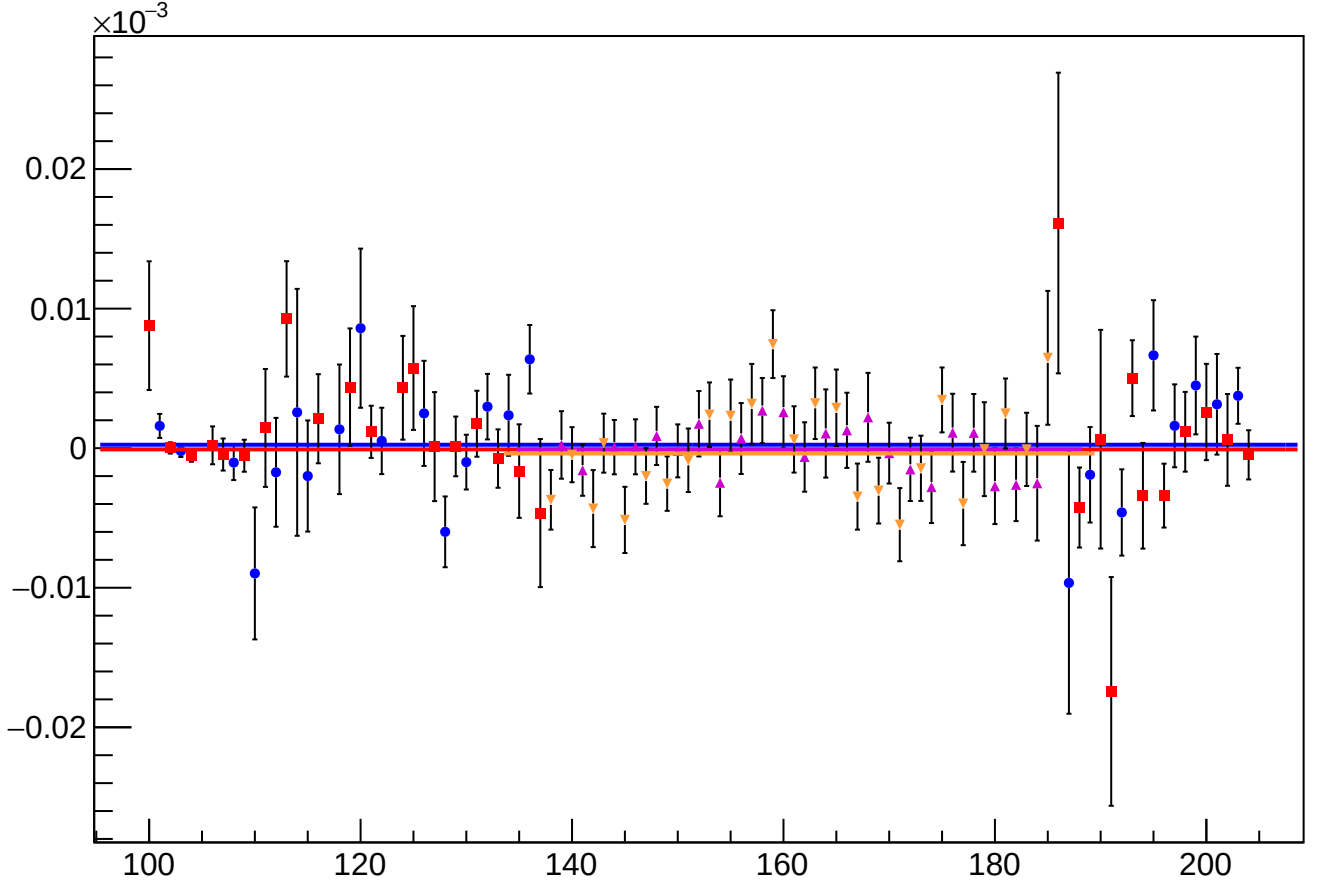
Right Out: 23.983+/-0.005 χ^2/NDF: 3770206.4/29

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

\+ sign 25.295+/-0.003 χ^2/NDF: 6257073.4/48

All: 25.252+/-0.002 χ^2/NDF: 12721935.1/101

\- sign 25.211+/-0.003 χ^2/NDF: 6464551.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 38.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.3/29

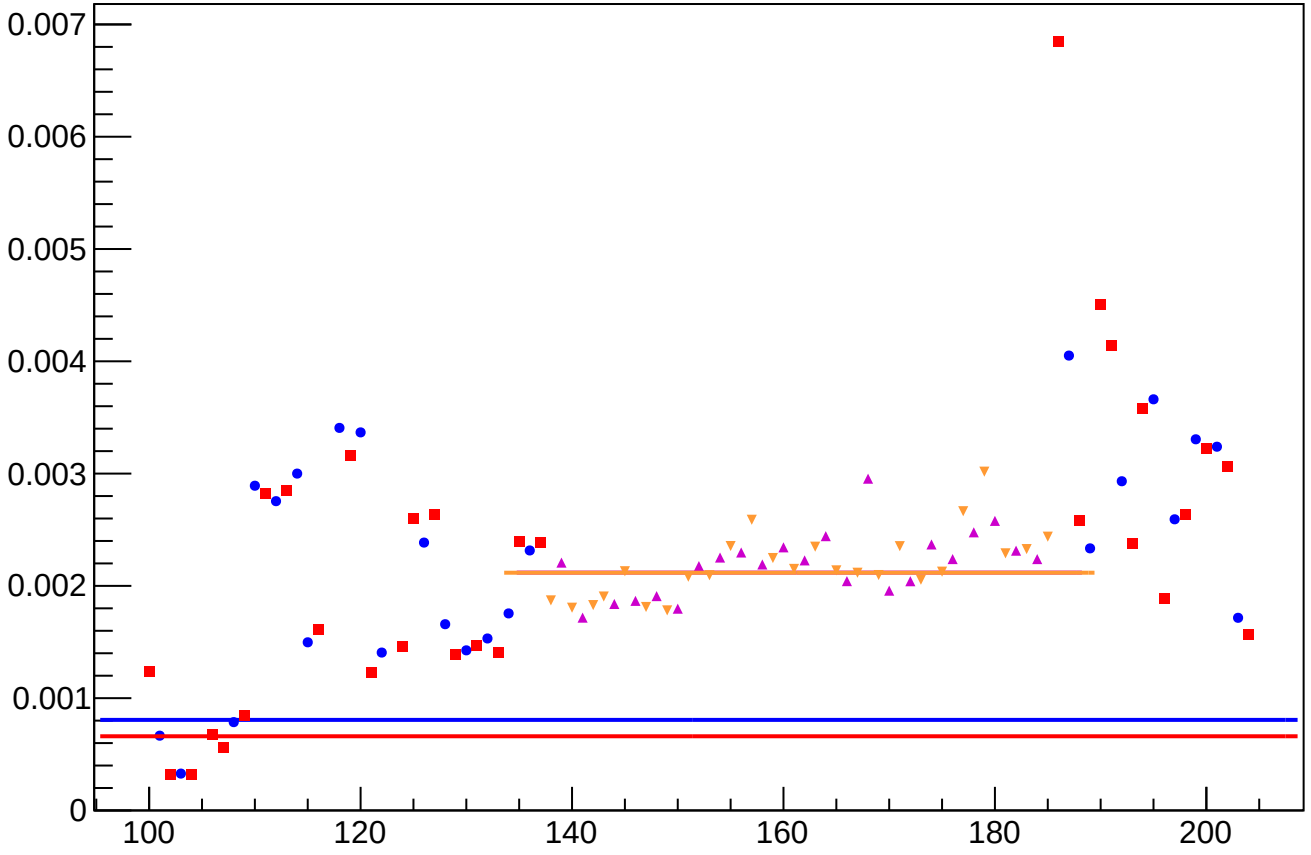
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.5/48

All: -0.000+/-0.000 χ^2/NDF: 126.1/101

- sign -0.000+/-0.000 χ^2/NDF: 43.4/52

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 12478953.4/23

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 15858658.5/29

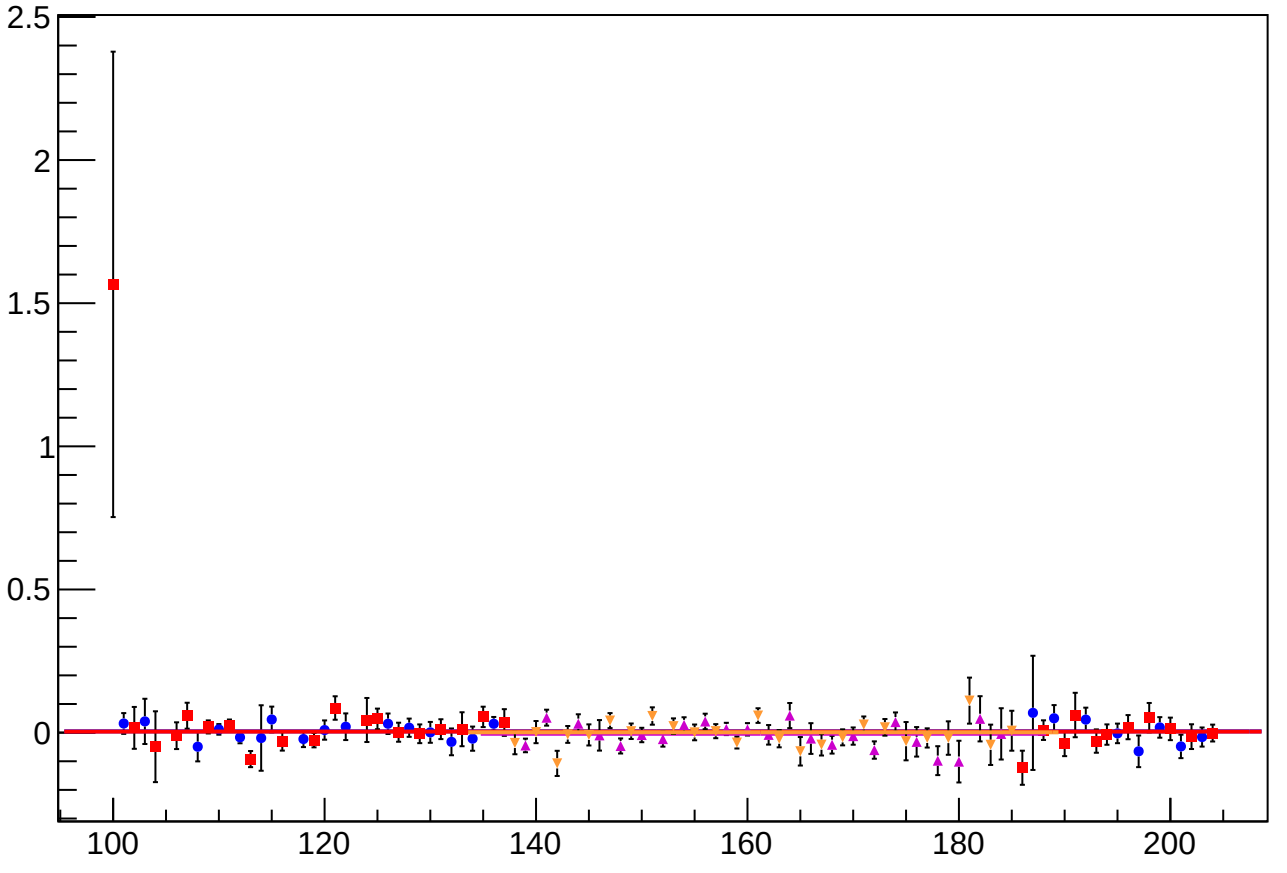
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

\+ sign 0.001+/-0.000 χ^2/NDF: 23197219.3/48

All: 0.001+/-0.000 χ^2/NDF: 54242437.6/101

\- sign 0.001+/-0.000 χ^2/NDF: 30023949.8/52

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.007 χ^2/NDF: 13.7/23

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.1/29

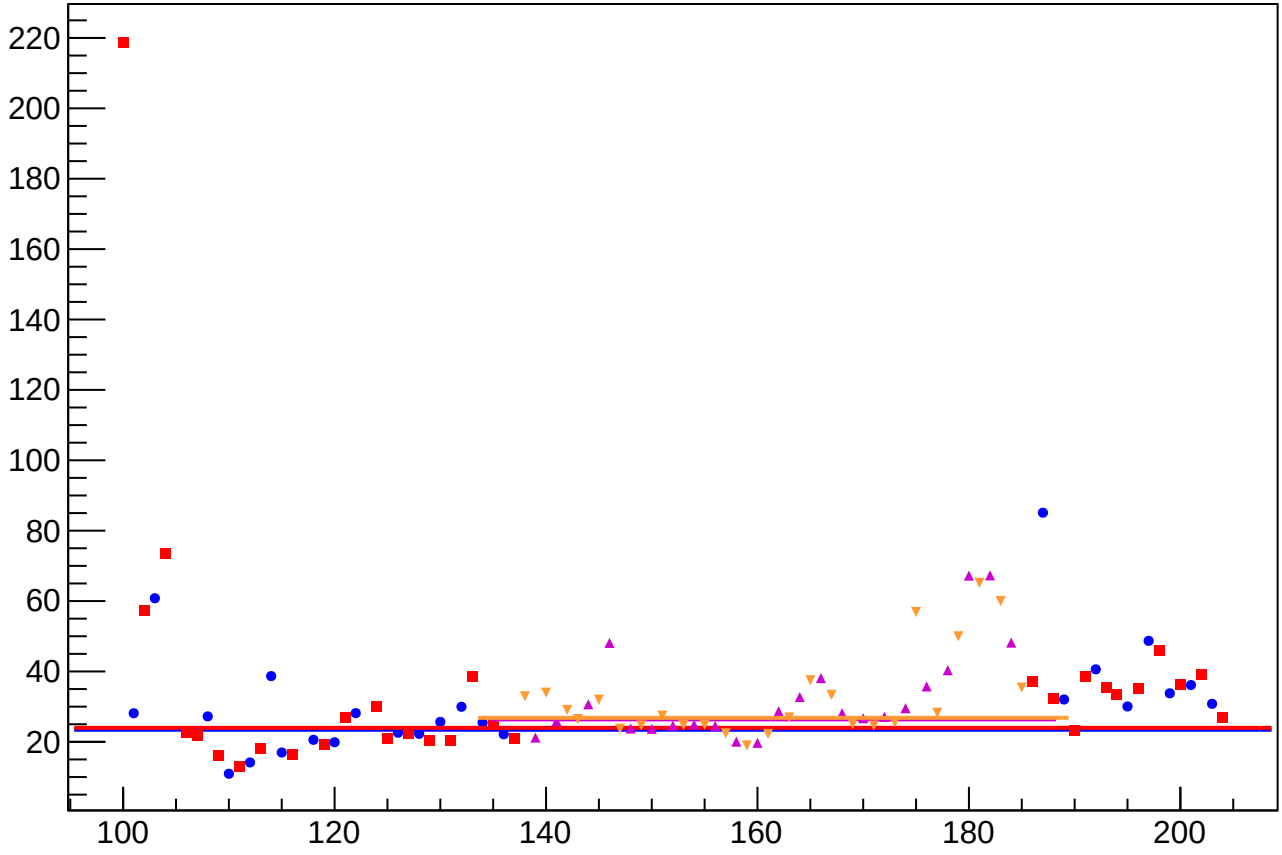
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 44.1/48

All: 0.001+/-0.003 χ^2/NDF: 114.2/101

- sign -0.000+/-0.005 χ^2/NDF: 69.9/52

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.442+/-0.005 χ^2/NDF: 3542569.7/23

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.983+/-0.005 χ^2/NDF: 3769981.1/29

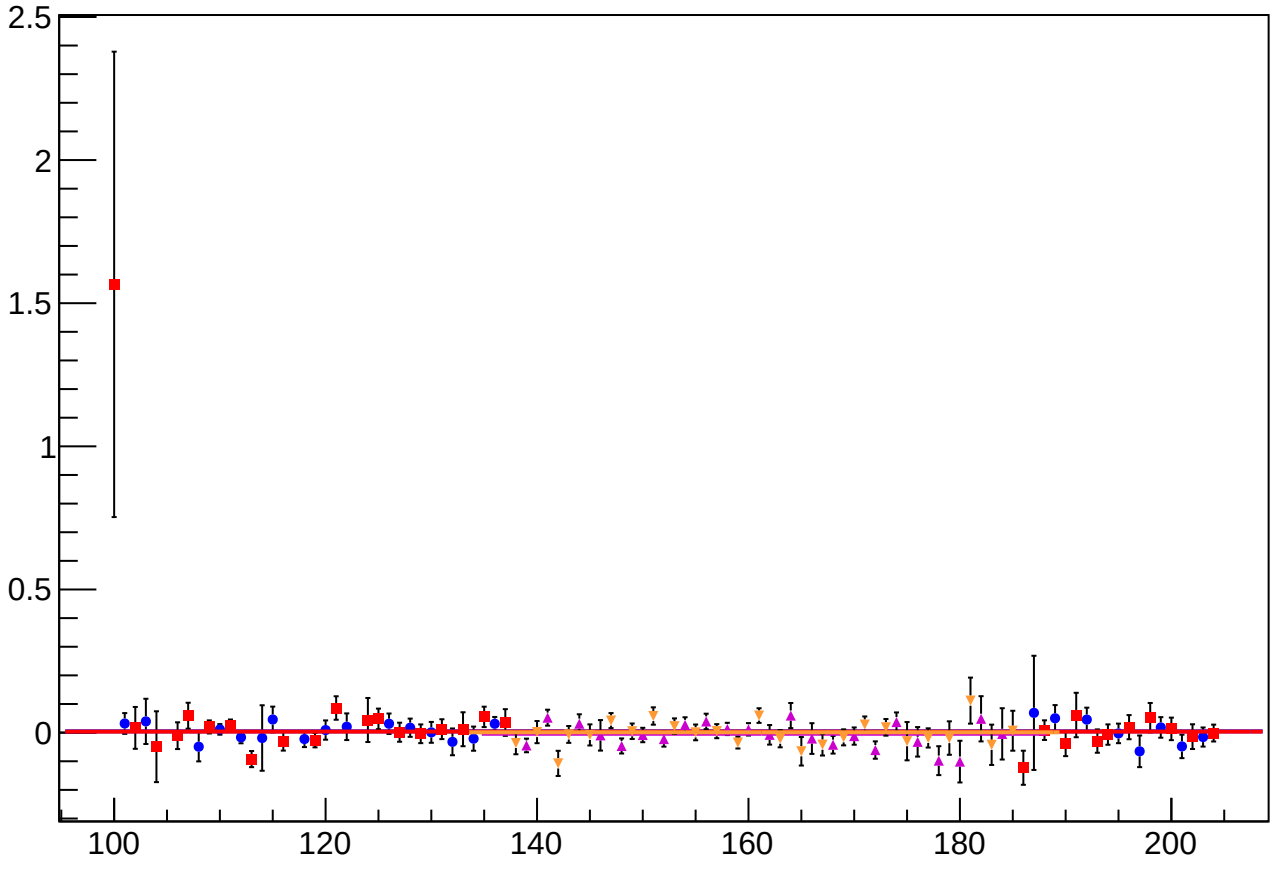
Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 25.295+/-0.003 χ^2/NDF: 6256781.5/48

All: 25.252+/-0.002 χ^2/NDF: 12721488.7/101

- sign 25.211+/-0.003 χ^2/NDF: 6464395.1/52

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.007 χ^2/NDF: 13.7/23

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.1/29

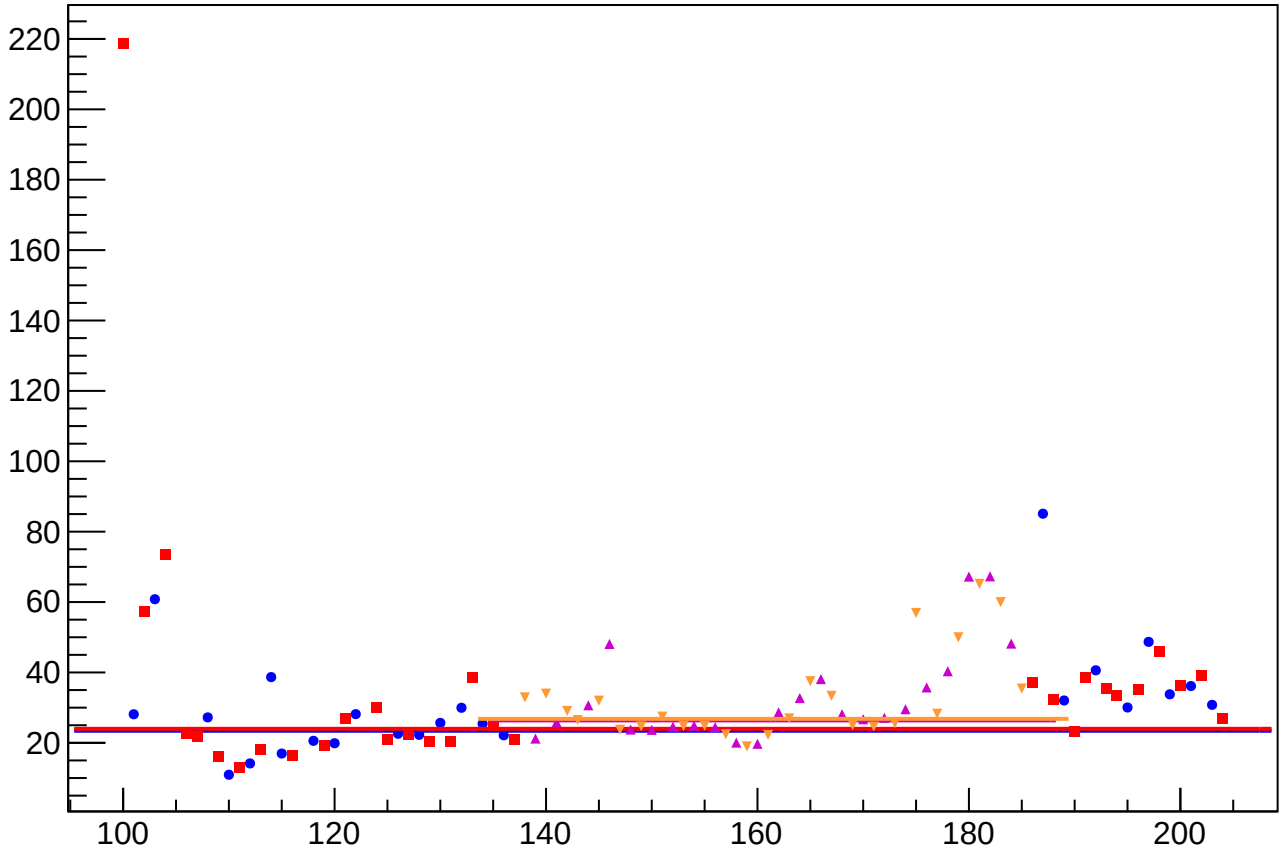
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 44.1/48

All: 0.001+/-0.003 χ^2/NDF: 114.2/101

- sign -0.000+/-0.005 χ^2/NDF: 69.9/52

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.442+/-0.005 χ^2/NDF: 3542569.7/23

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

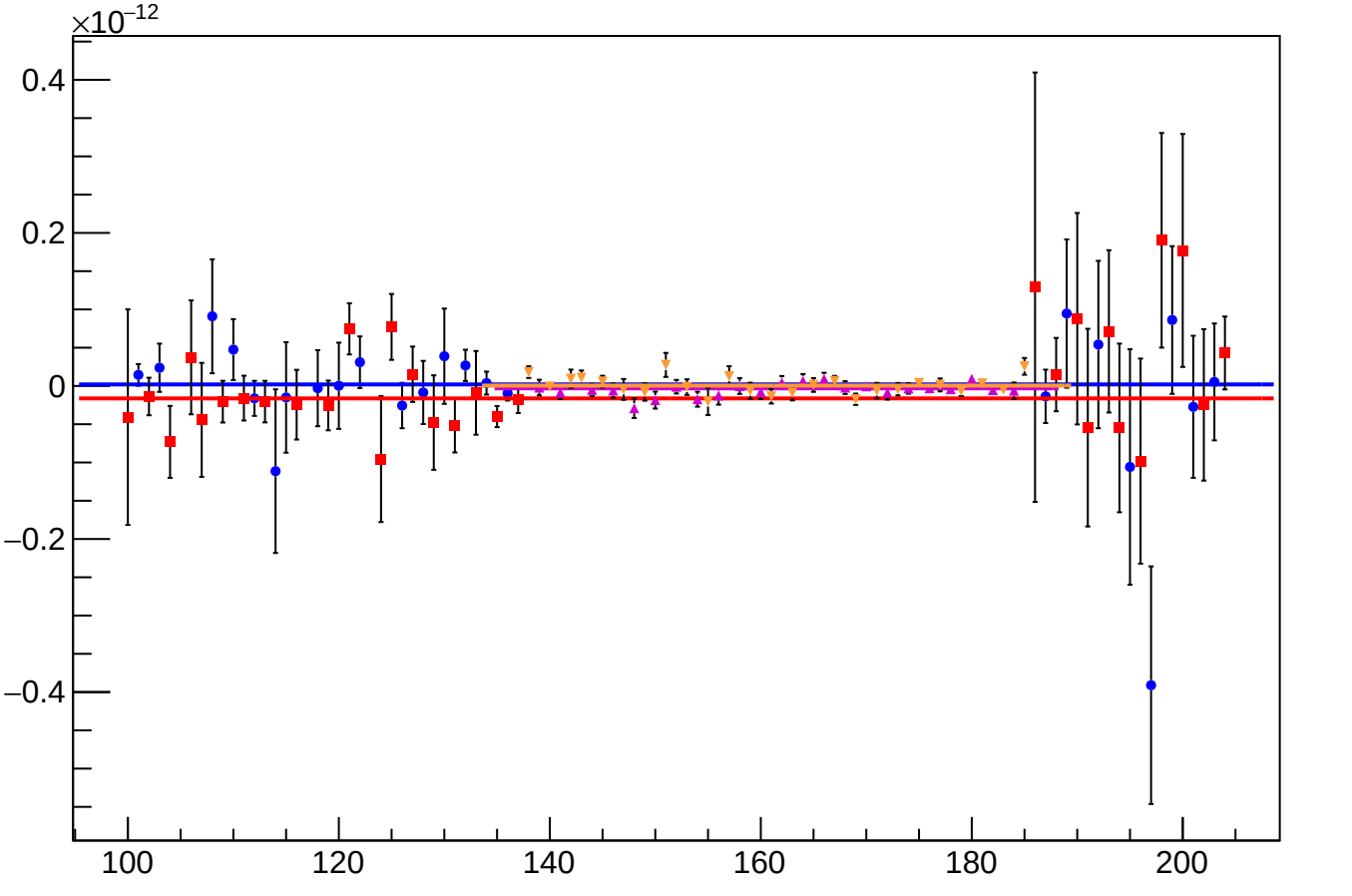
Right Out: 23.983+/-0.005 χ^2/NDF: 3769981.1/29

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 25.295+/-0.003 χ^2/NDF: 6256781.5/48

All: 25.252+/-0.002 χ^2/NDF: 12721488.7/101

- sign 25.211+/-0.003 χ^2/NDF: 6464395.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/29

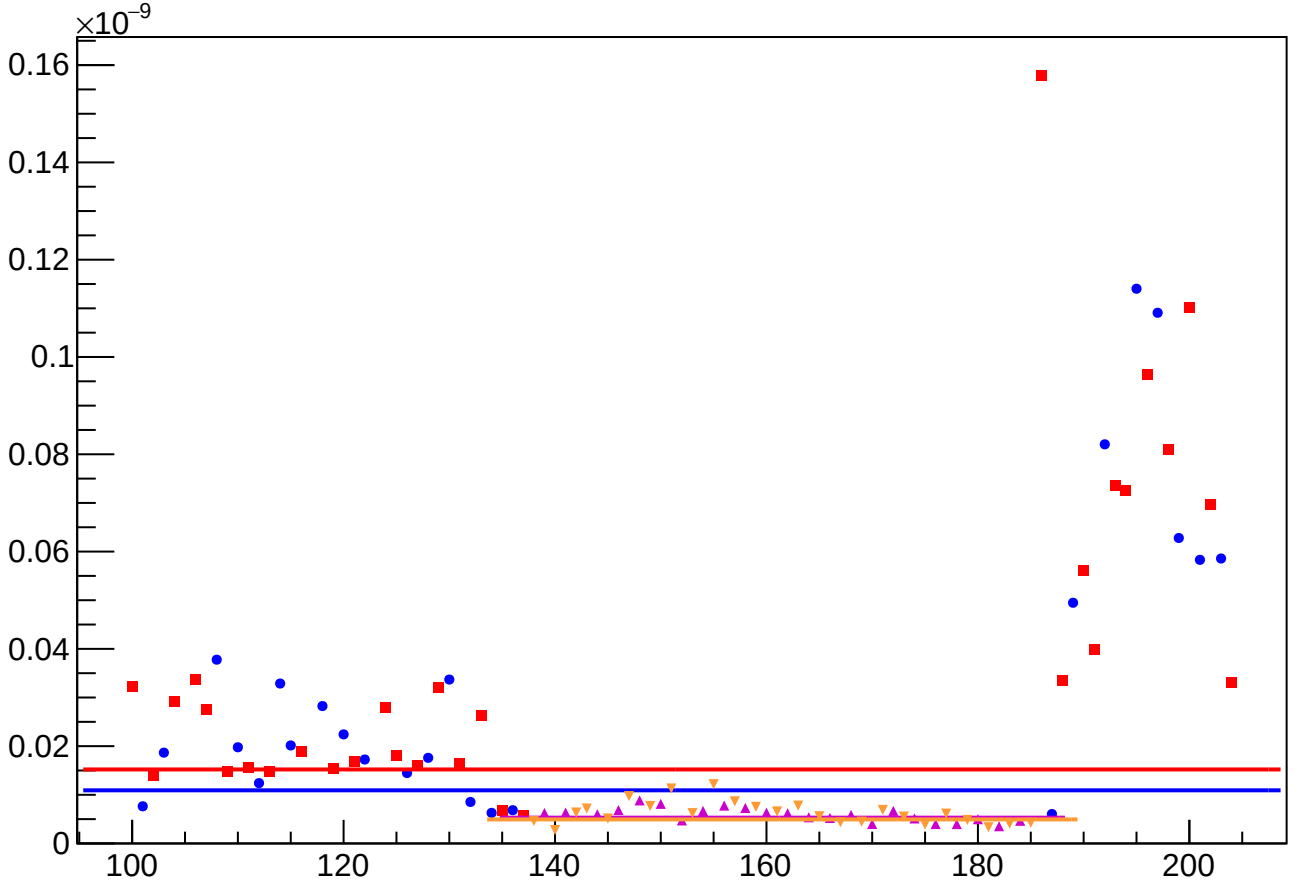
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.6/48

All: -0.000+/-0.000 χ^2/NDF: 107.6/101

- sign -0.000+/-0.000 χ^2/NDF: 50.9/52

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6828836.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7082169.3/29

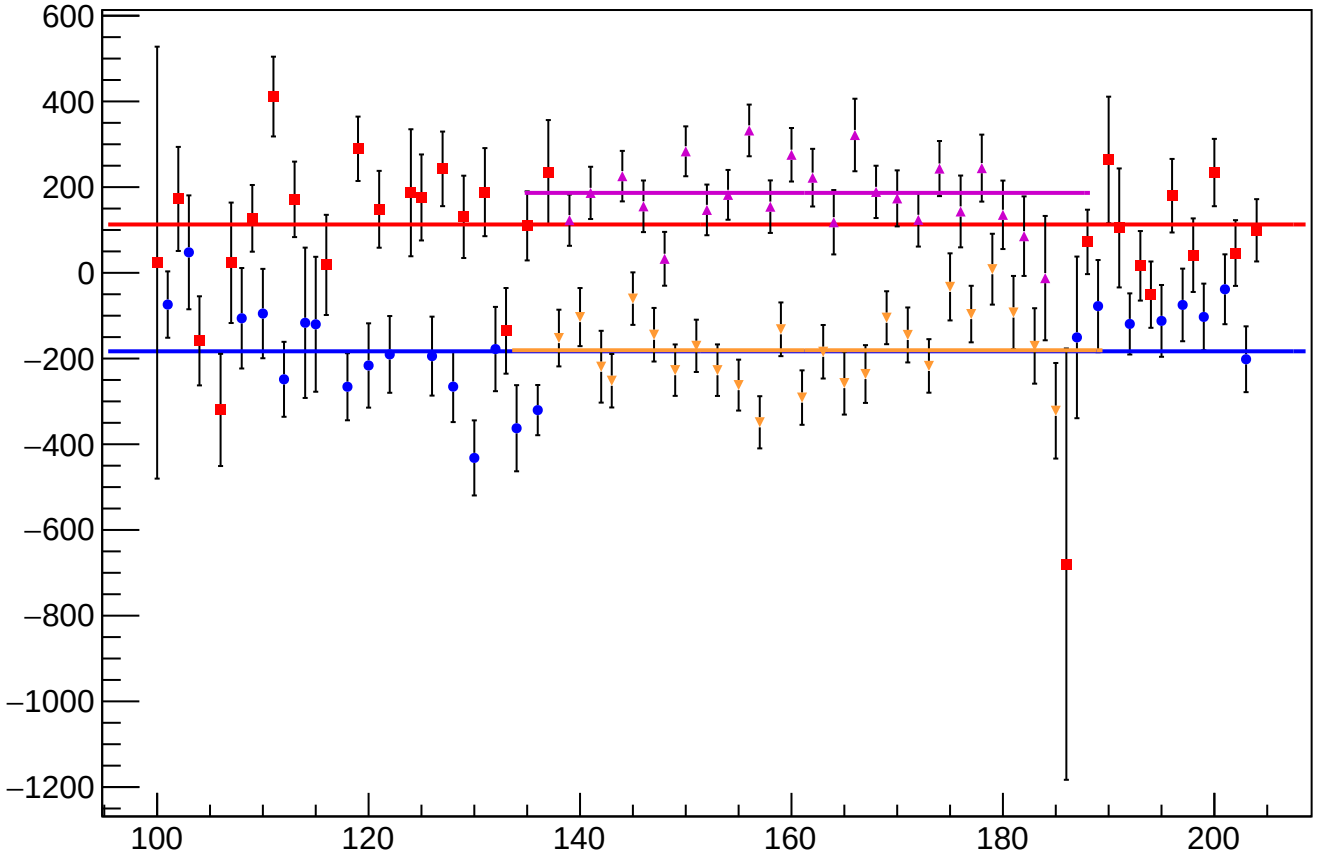
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11707710.6/48

All: 0.000+/-0.000 χ^2/NDF: 24118403.6/101

- sign 0.000+/-0.000 χ^2/NDF: 12314953.4/52

reg_asym_sam8_mean vs Slug



Right In: -183.109+/-18.413 χ^2/NDF: 34.4/23

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 112.848+/-17.543 χ^2/NDF: 60.3/29

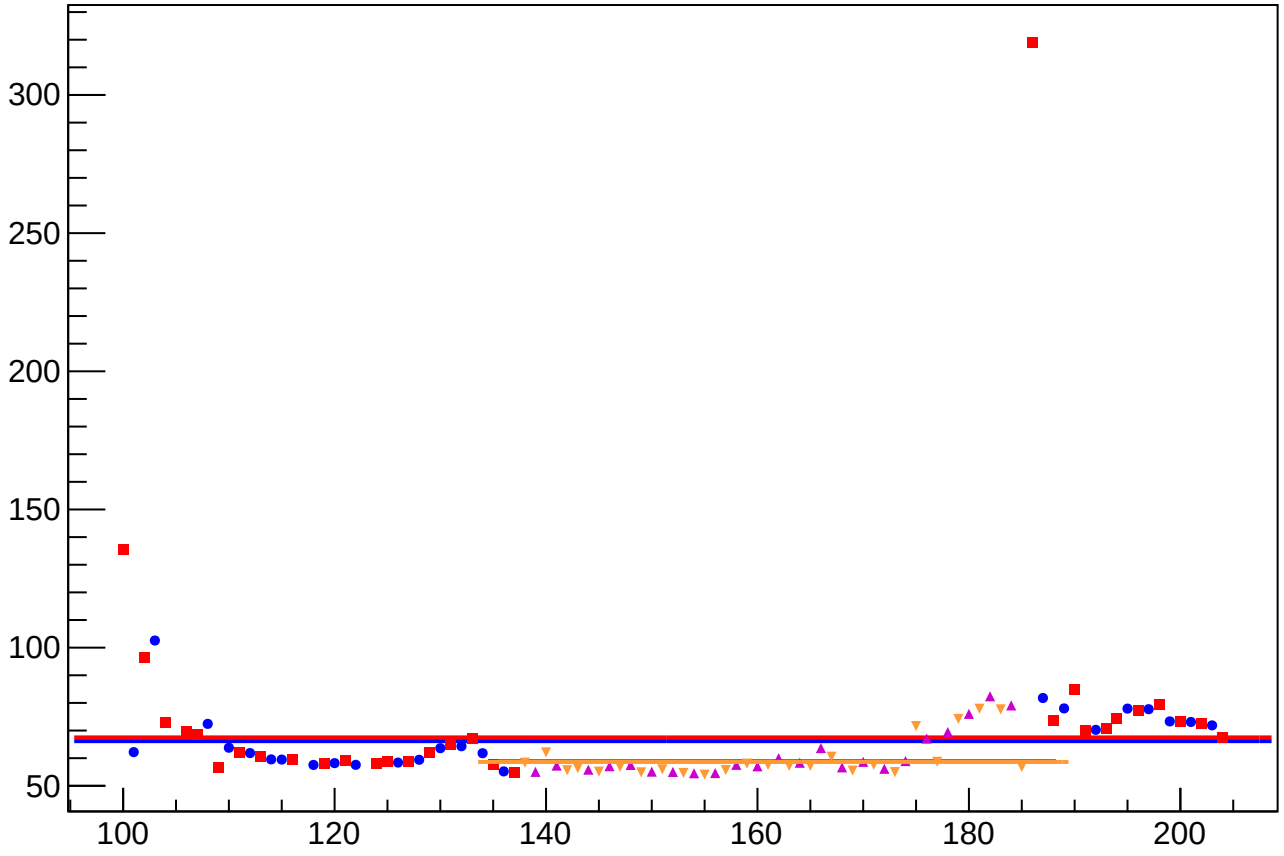
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -181.526+/-10.844 χ^2/NDF: 73.0/48

All: -12.126+/-7.679 χ^2/NDF: 662.6/101

- sign 158.235+/-10.875 χ^2/NDF: 100.2/52

reg_asym_sam8_rms vs Slug



Right In: 66.164+/-0.013 χ^2/NDF: 496345.5/23

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.517+/-0.012 χ^2/NDF: 1018375.6/29

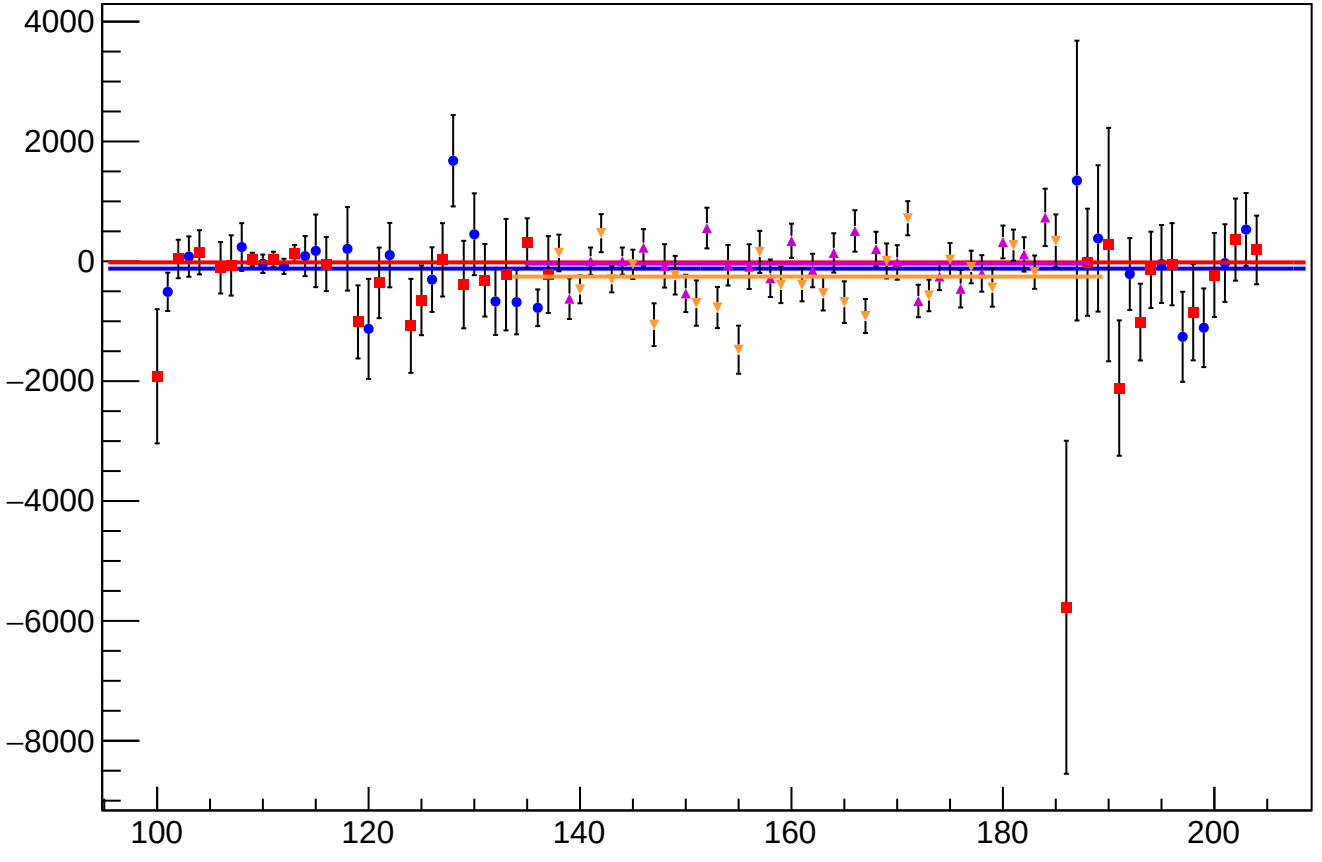
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.252+/-0.008 χ^2/NDF: 1108092.9/48

All: 61.732+/-0.005 χ^2/NDF: 2817817.7/101

- sign 62.215+/-0.008 χ^2/NDF: 1701860.3/52

asym_sam8_reg_correction_mean vs Slug



Right In: -122.208+/-73.063 χ^2/NDF: 24.8/23

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -17.166+/-61.676 χ^2/NDF: 23.6/29

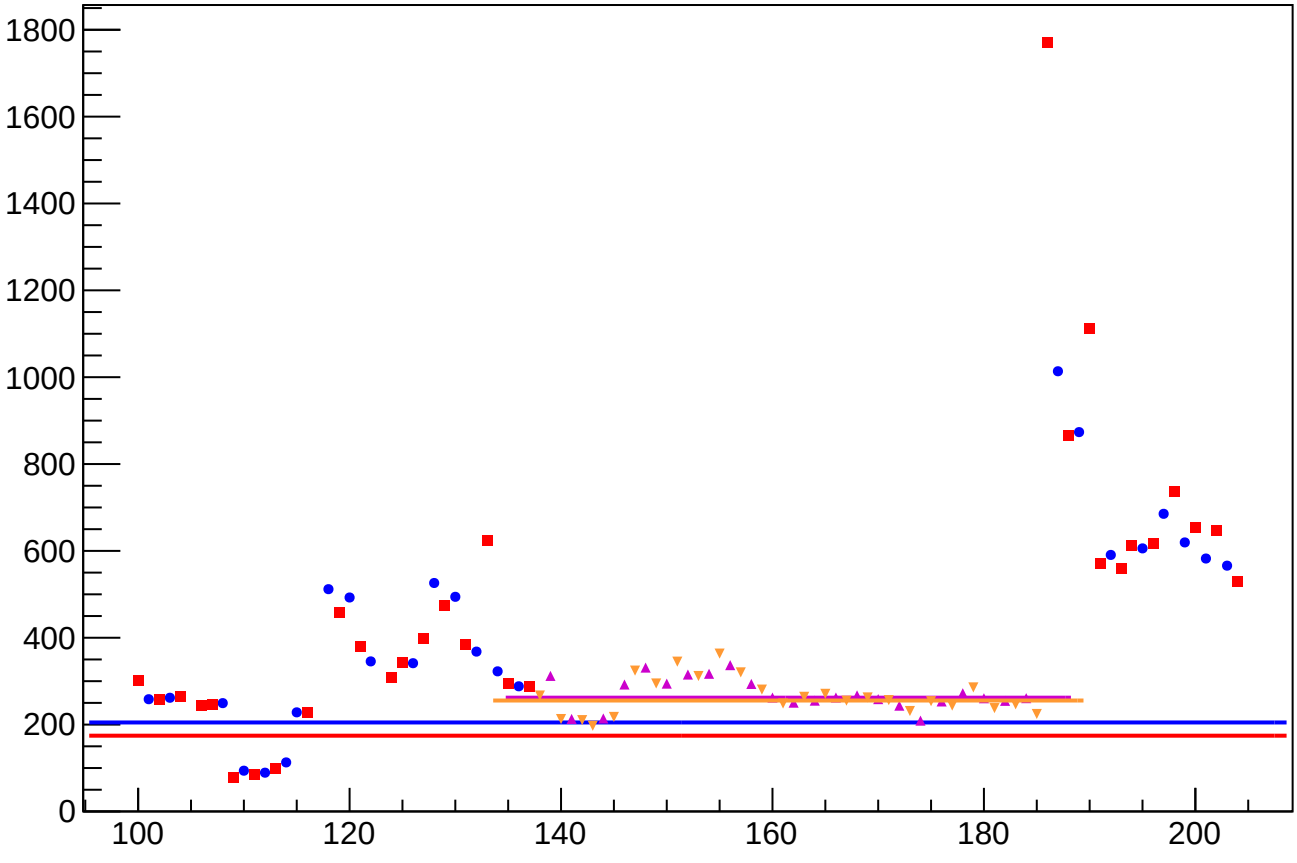
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

\+ sign -202.493+/-45.844 χ^2/NDF: 84.4/48

All: -111.102+/-31.626 χ^2/NDF: 144.0/101

\- sign -28.119+/-43.684 χ^2/NDF: 52.0/52

asym_sam8_reg_correction_rms vs Slug



Right In: 204.923+/-0.052 χ^2/NDF: 10427315.3/23

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 174.465+/-0.044 χ^2/NDF: 14460540.9/29

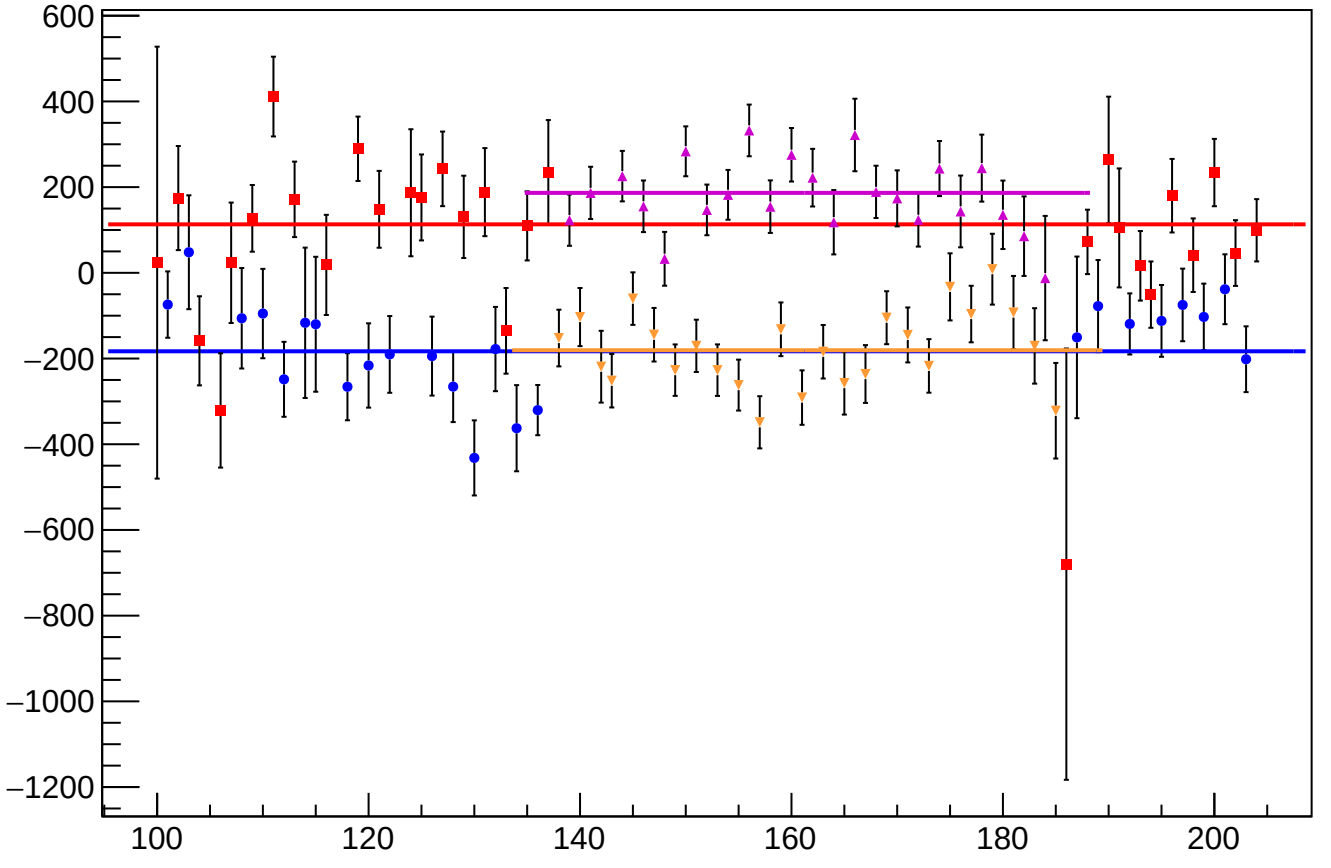
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 235.569+/-0.032 χ^2/NDF: 11871532.0/48

All: 226.408+/-0.022 χ^2/NDF: 29162946.9/10

- sign 218.089+/-0.031 χ^2/NDF: 17139026.8/52

cor_asym_sam8_mean vs Slug



Right In: -183.108+/-18.413 χ^2/NDF: 34.4/23

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 113.148+/-17.548 χ^2/NDF: 60.0/29

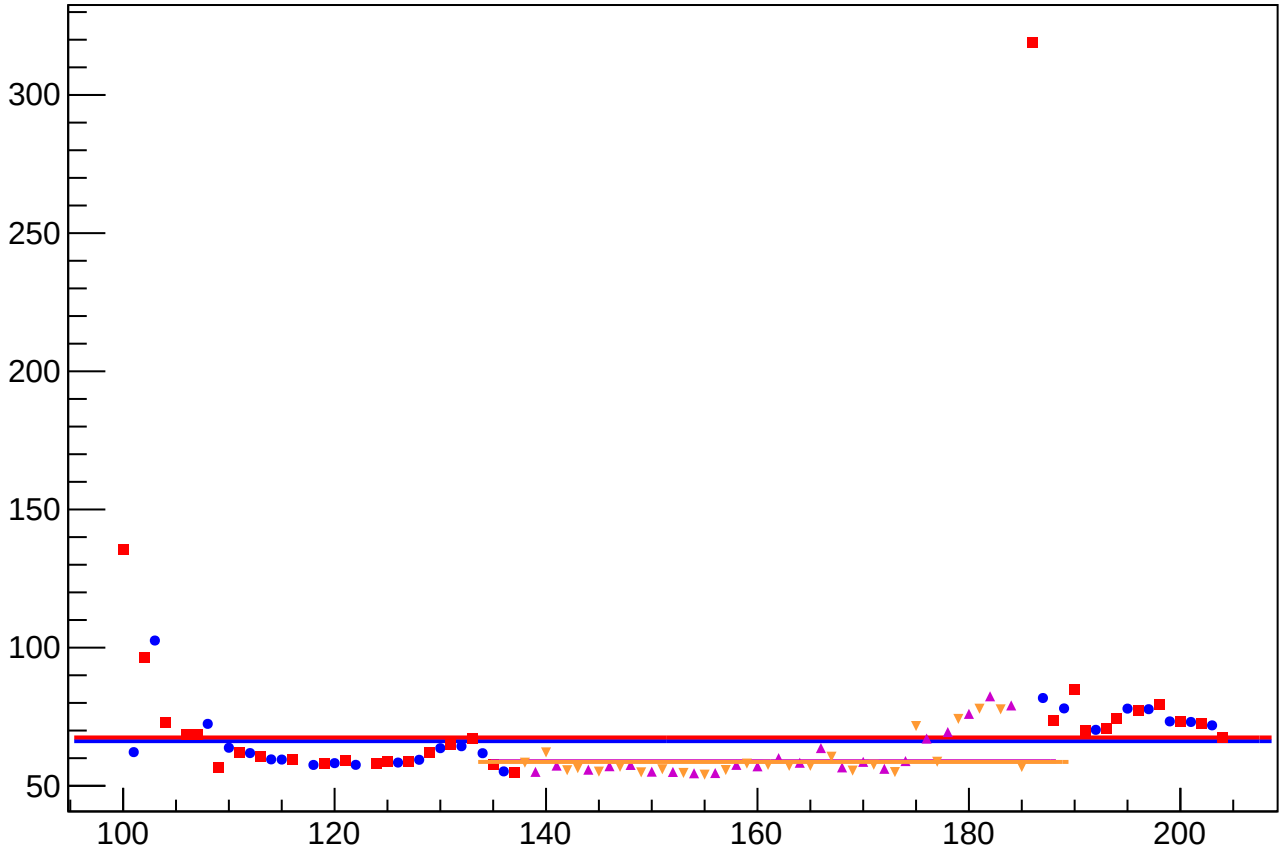
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -181.522+/-10.844 χ^2/NDF: 73.0/48

All: -12.082+/-7.680 χ^2/NDF: 662.5/101

- sign 158.363+/-10.877 χ^2/NDF: 99.8/52

cor_asym_sam8_rms vs Slug



Right In: 66.164+/-0.013 χ^2/NDF: 496347.9/23

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.495+/-0.012 χ^2/NDF: 1018143.7/29

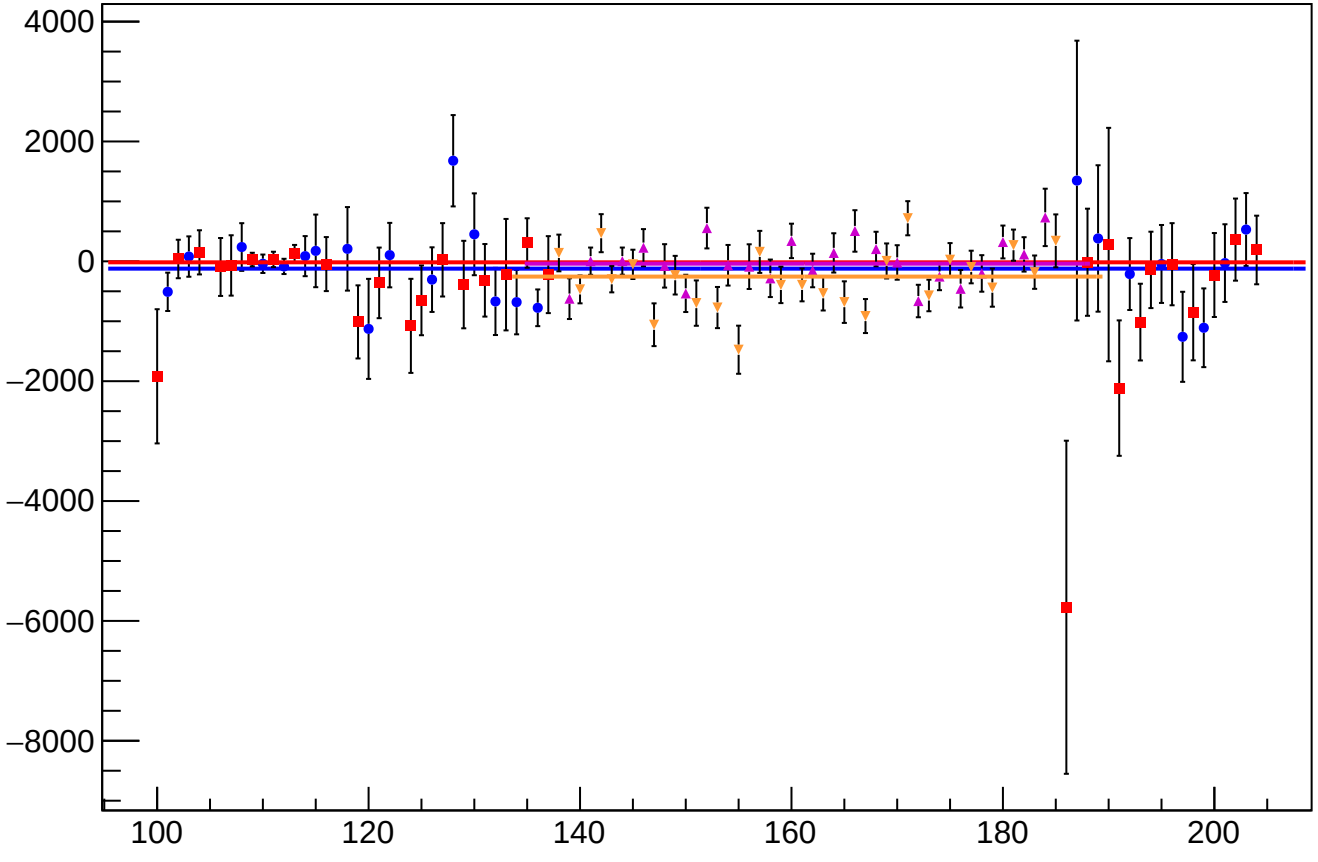
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.252+/-0.008 χ^2/NDF: 1108095.5/48

All: 61.728+/-0.005 χ^2/NDF: 2815846.6/101

- sign 62.206+/-0.008 χ^2/NDF: 1700042.5/52

asym_sam8_cor_correction_mean vs Slug



Right In: -122.190+/-73.063 χ^2/NDF: 24.8/23

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -16.592+/-61.812 χ^2/NDF: 23.6/29

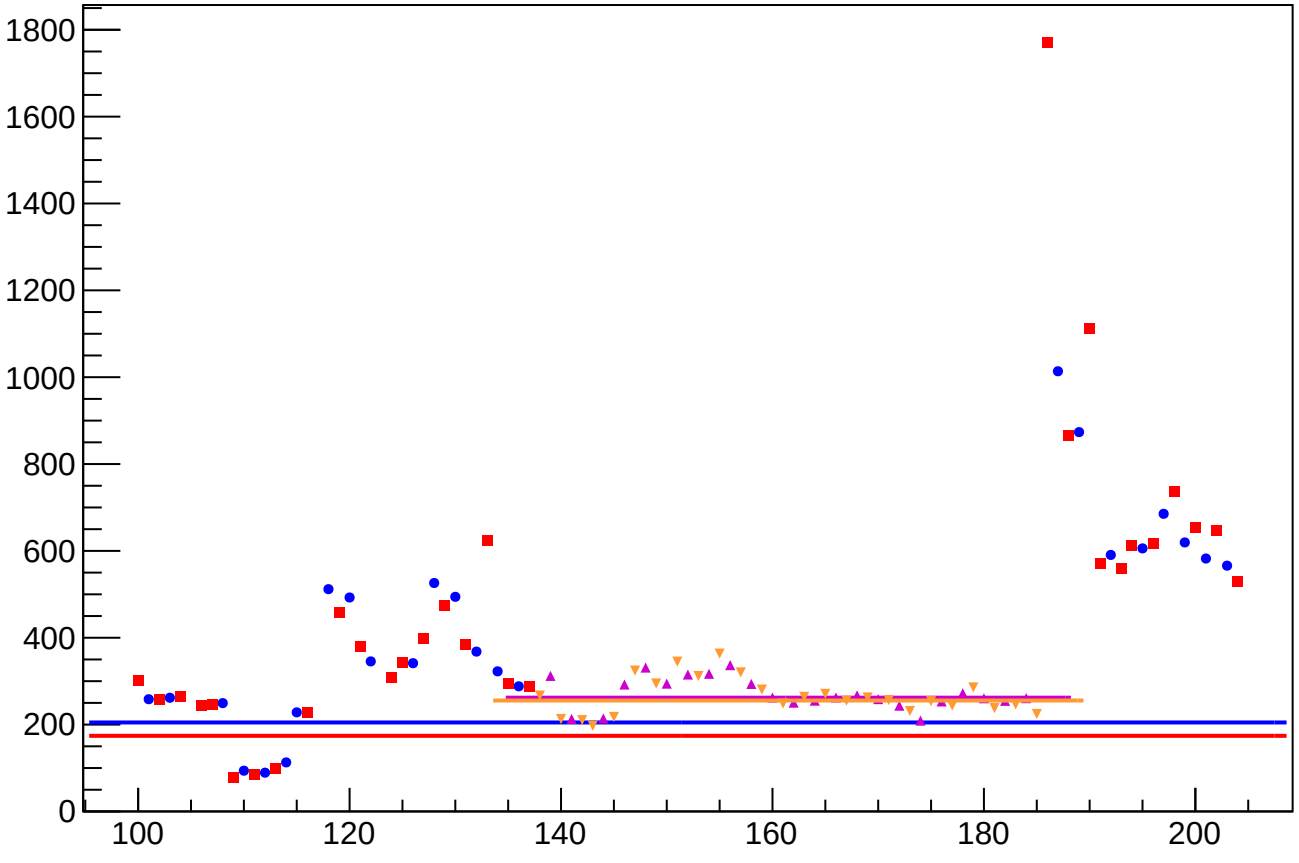
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -202.485+/-45.844 χ^2/NDF: 84.4/48

All: -111.056+/-31.644 χ^2/NDF: 144.0/101

- sign -27.855+/-43.733 χ^2/NDF: 52.0/52

asym_sam8_cor_correction_rms vs Slug



Right In: 204.924+/-0.052 χ^2/NDF: 10427357.3/23

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 174.165+/-0.044 χ^2/NDF: 14450247.9/29

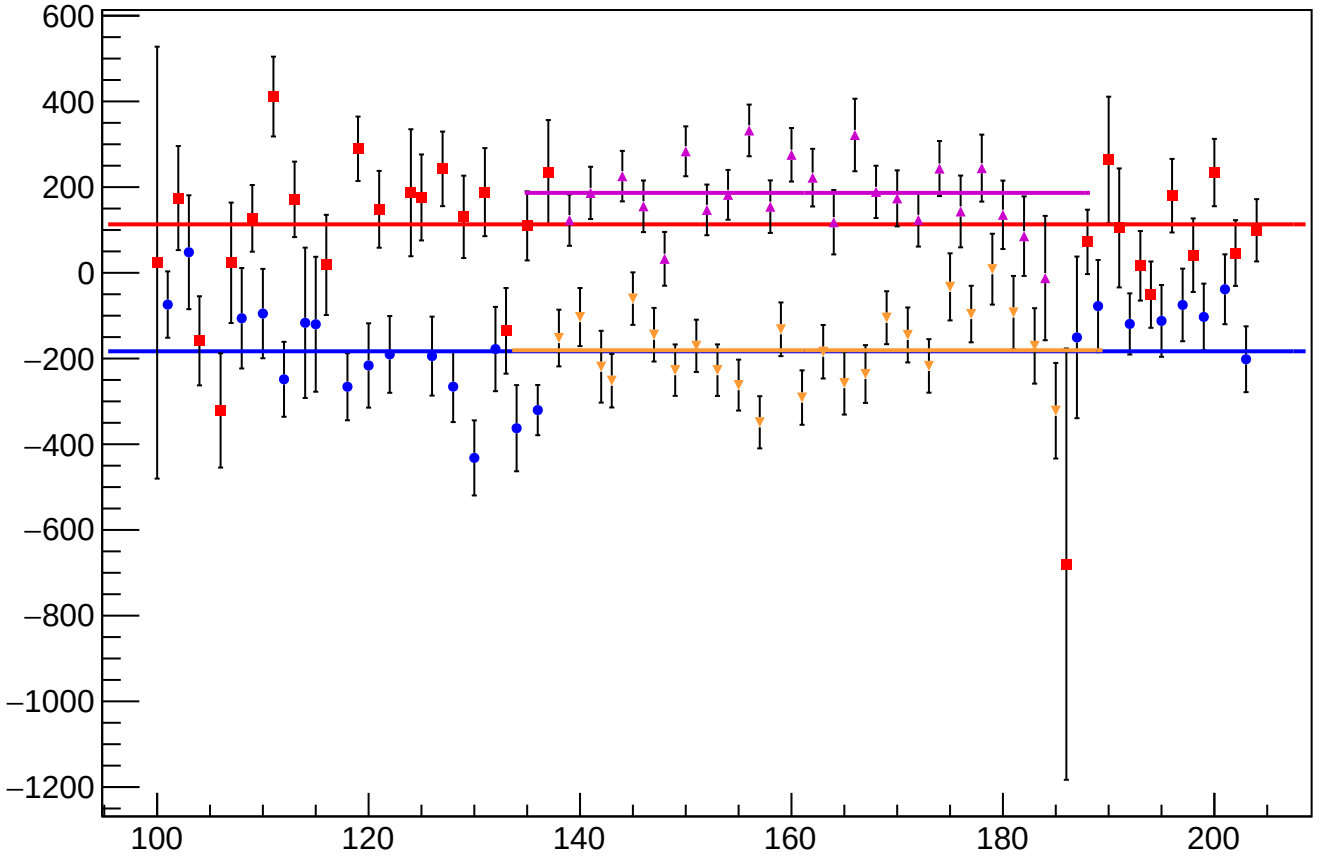
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 235.569+/-0.032 χ^2/NDF: 11871554.0/48

All: 226.390+/-0.022 χ^2/NDF: 29162785.5/10

- sign 218.036+/-0.031 χ^2/NDF: 17138067.8/52

eigen_cor_asym_sam8_mean vs Slug



Right In: -183.108+/-18.413 χ^2/NDF: 34.4/23

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 113.148+/-17.548 χ^2/NDF: 60.0/29

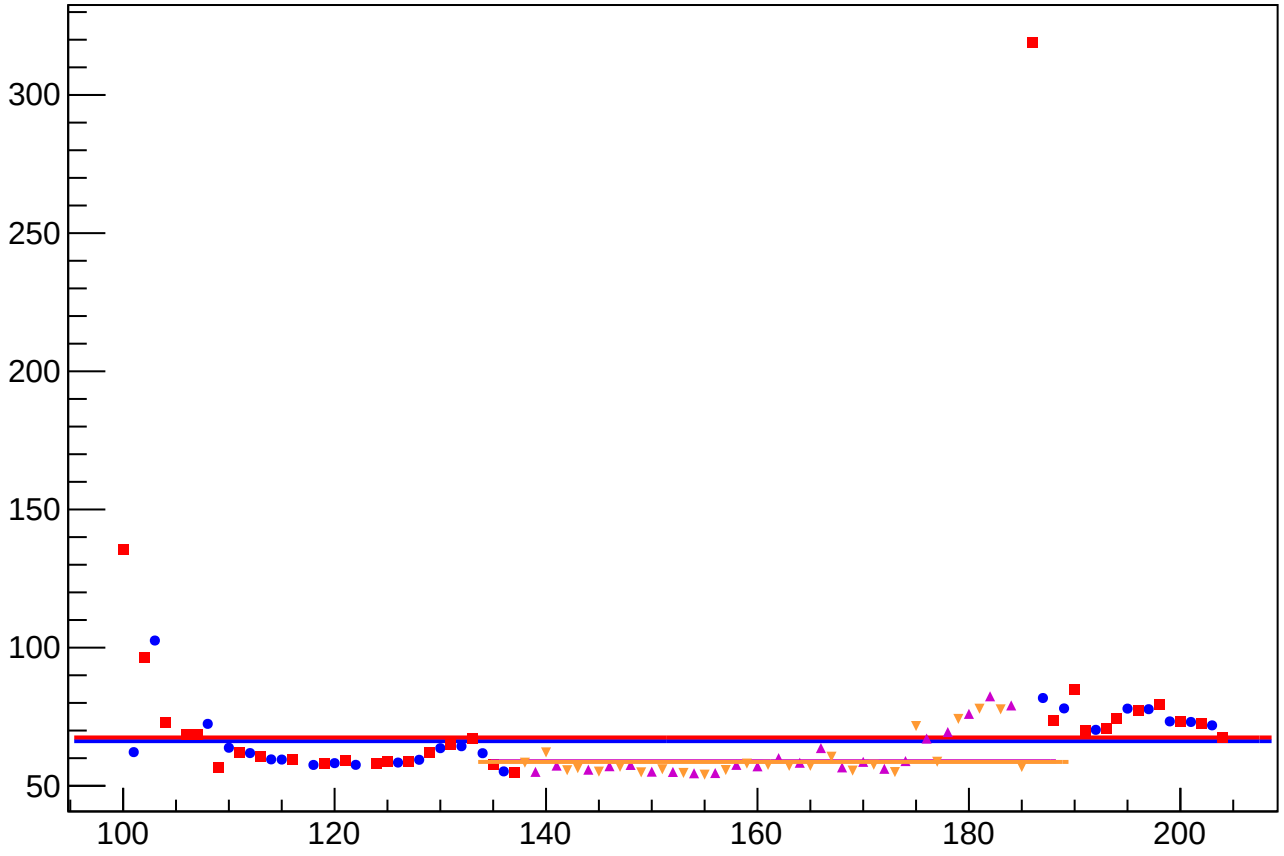
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -181.522+/-10.844 χ^2/NDF: 73.0/48

All: -12.082+/-7.680 χ^2/NDF: 662.5/101

- sign 158.363+/-10.877 χ^2/NDF: 99.8/52

eigen_cor_asym_sam8_rms vs Slug



Right In: 66.164+/-0.013 χ^2/NDF: 496347.9/23

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.495+/-0.012 χ^2/NDF: 1018143.7/29

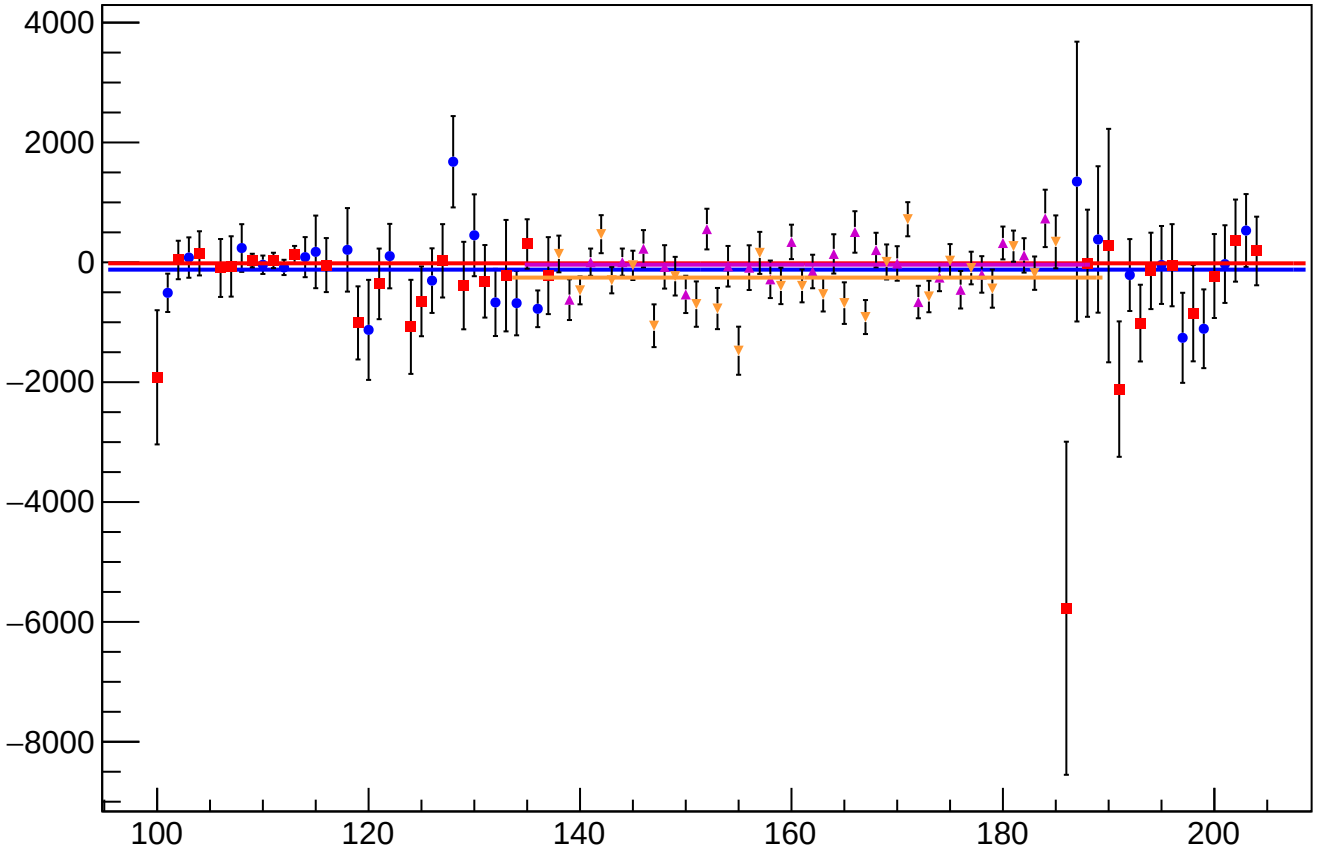
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.252+/-0.008 χ^2/NDF: 1108095.5/48

All: 61.728+/-0.005 χ^2/NDF: 2815846.6/101

- sign 62.206+/-0.008 χ^2/NDF: 1700042.5/52

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -122.190+/-73.063 χ^2/NDF: 24.8/23

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -16.592+/-61.812 χ^2/NDF: 23.6/29

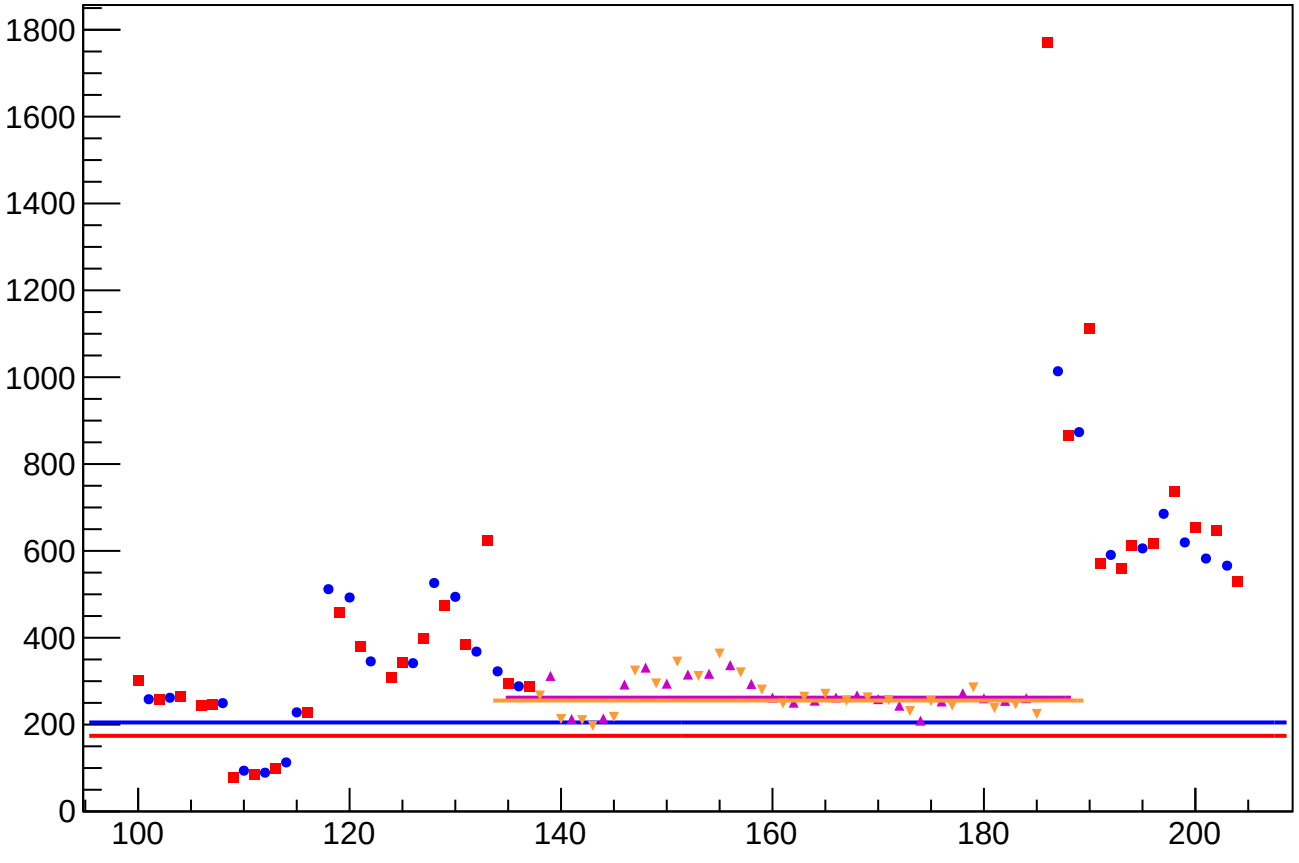
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -202.485+/-45.844 χ^2/NDF: 84.4/48

All: -111.056+/-31.644 χ^2/NDF: 144.0/101

- sign -27.855+/-43.733 χ^2/NDF: 52.0/52

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 204.924+/-0.052 χ^2/NDF: 10427357.3/23

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 174.165+/-0.044 χ^2/NDF: 14450247.9/29

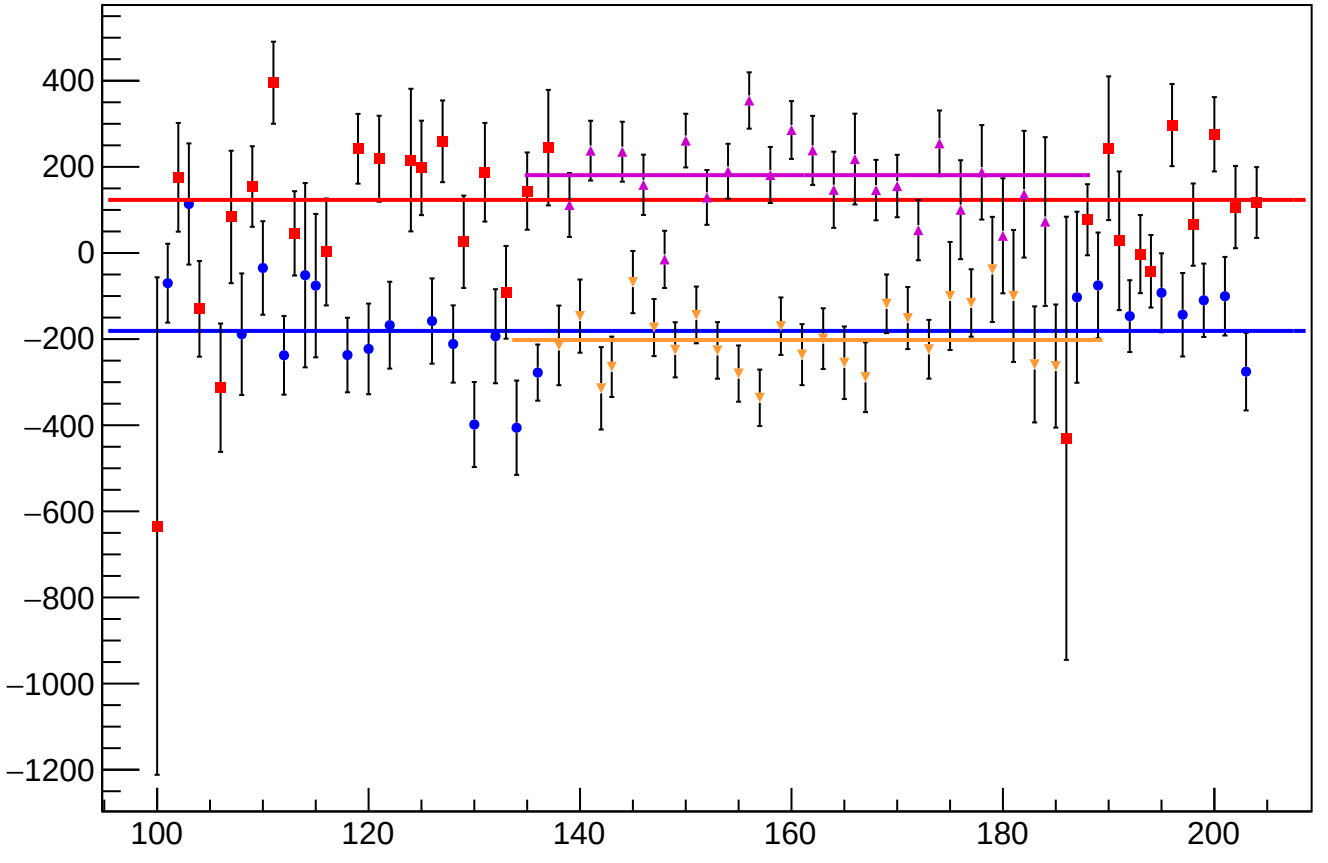
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 235.569+/-0.032 χ^2/NDF: 11871554.0/48

All: 226.390+/-0.022 χ^2/NDF: 29162785.5/10

- sign 218.036+/-0.031 χ^2/NDF: 17138067.8/52

dit_asym_sam8_mean vs Slug



Right In: -180.949+/-20.512 χ^2/NDF: 25.6/23

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 123.309+/-19.468 χ^2/NDF: 52.4/29

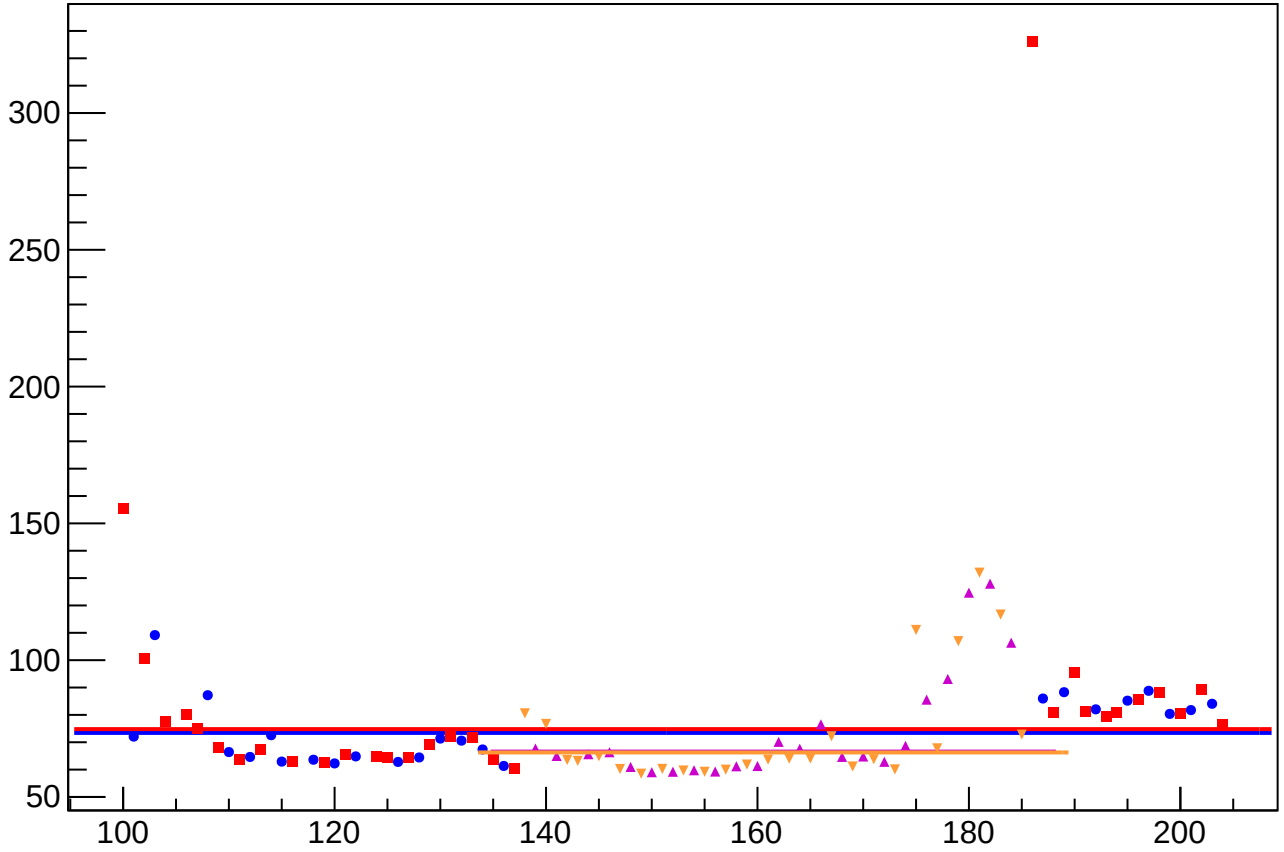
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -194.382+/-12.386 χ^2/NDF: 47.8/48

All: -18.175+/-8.752 χ^2/NDF: 539.8/101

- sign 157.579+/-12.370 χ^2/NDF: 87.7/52

dit_asym_sam8_rms vs Slug



Right In: 73.415+/-0.015 χ^2/NDF: 565884.2/23

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.798+/-0.014 χ^2/NDF: 1024498.3/29

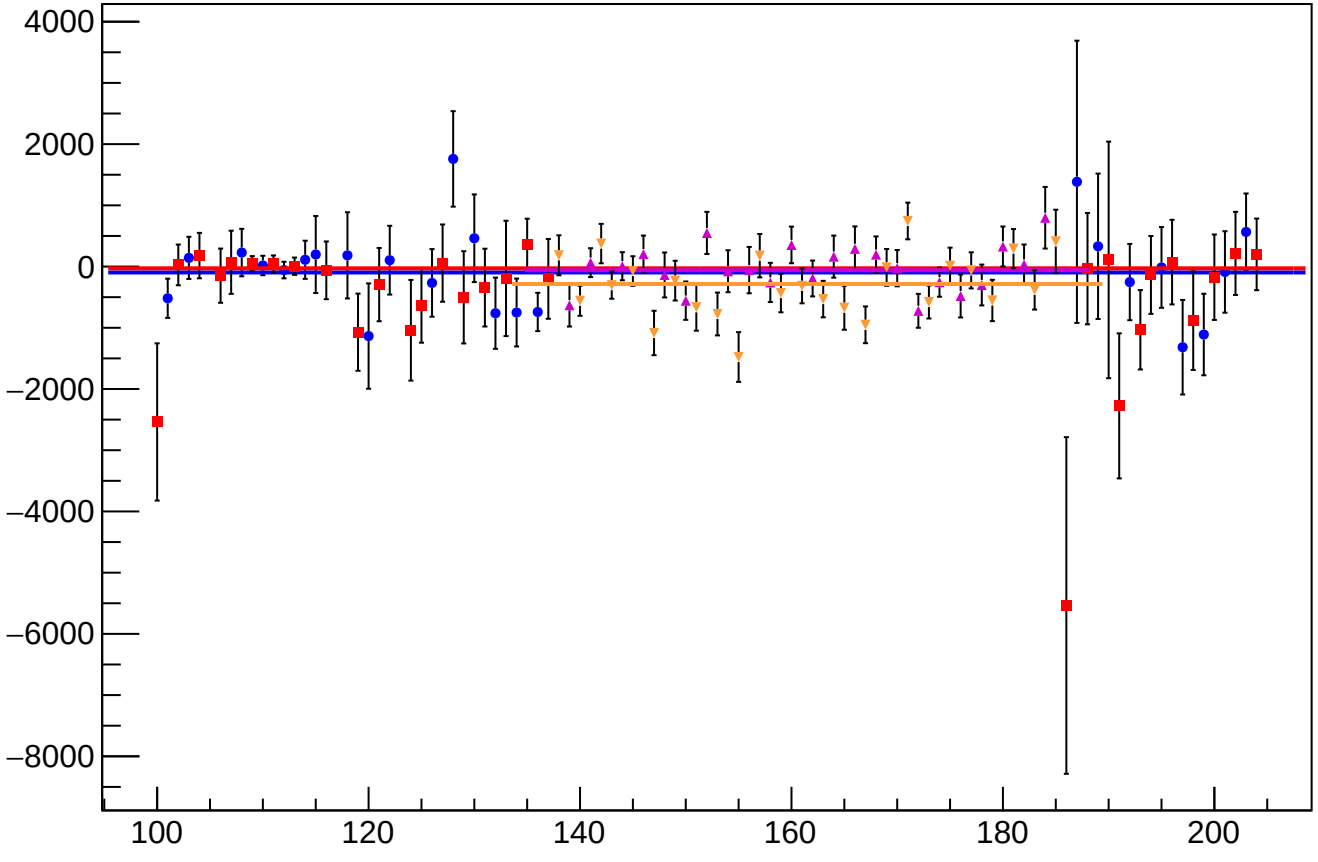
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 68.881+/-0.009 χ^2/NDF: 2113572.3/48

All: 69.392+/-0.006 χ^2/NDF: 4515347.7/101

- sign 69.901+/-0.009 χ^2/NDF: 2394980.6/52

asym_sam8_dit_correction_mean vs Slug



Right In: -96.303+/-75.368 χ^2/NDF: 25.8/23

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -28.482+/-63.482 χ^2/NDF: 23.7/29

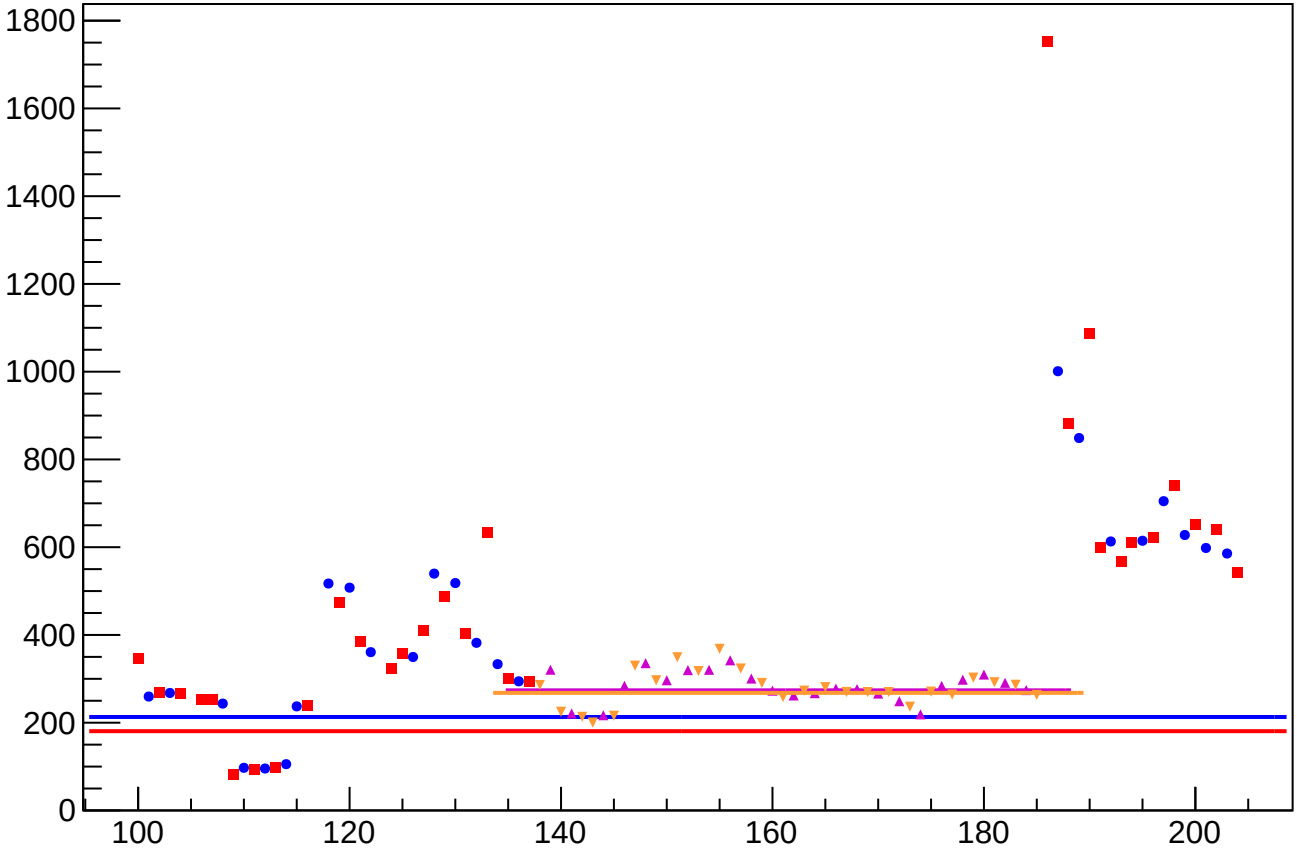
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -208.913+/-47.755 χ^2/NDF: 84.1/48

All: -121.853+/-32.862 χ^2/NDF: 141.1/101

- sign -43.545+/-45.291 χ^2/NDF: 50.6/52

asym_sam8_dit_correction_rms vs Slug



Right In: 213.020+/-0.053 χ^2/NDF: 10227172.1/23

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

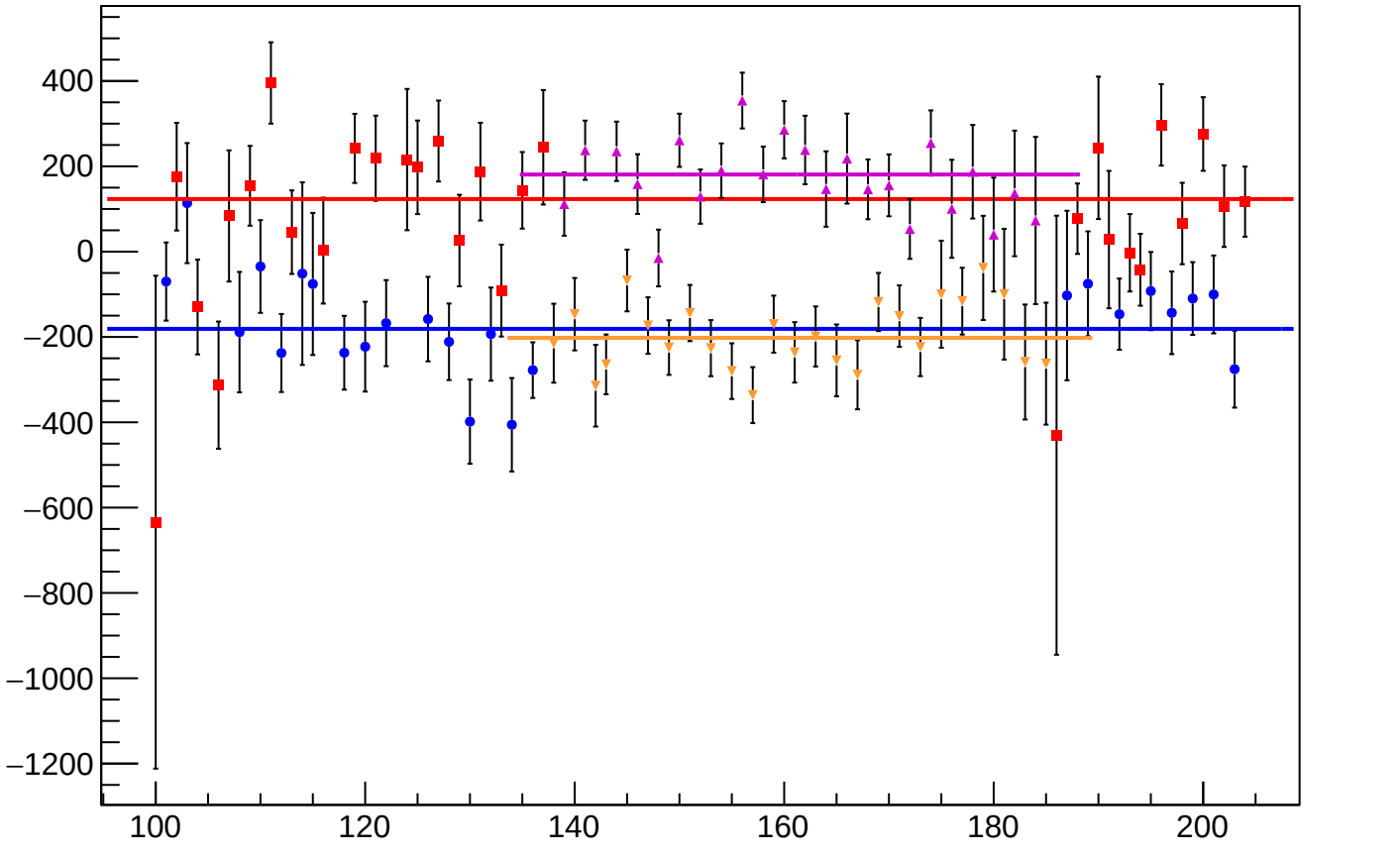
Right Out: 180.699+/-0.045 χ^2/NDF: 14270892.8/29

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 245.918+/-0.034 χ^2/NDF: 11726627.5/48

All: 235.635+/-0.023 χ^2/NDF: 28933813.8/10

- sign 226.386+/-0.032 χ^2/NDF: 17031052.7/52



Right In: -180.949+/-20.512 χ^2/NDF: 25.6/23

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 123.310+/-19.468 χ^2/NDF: 52.4/29

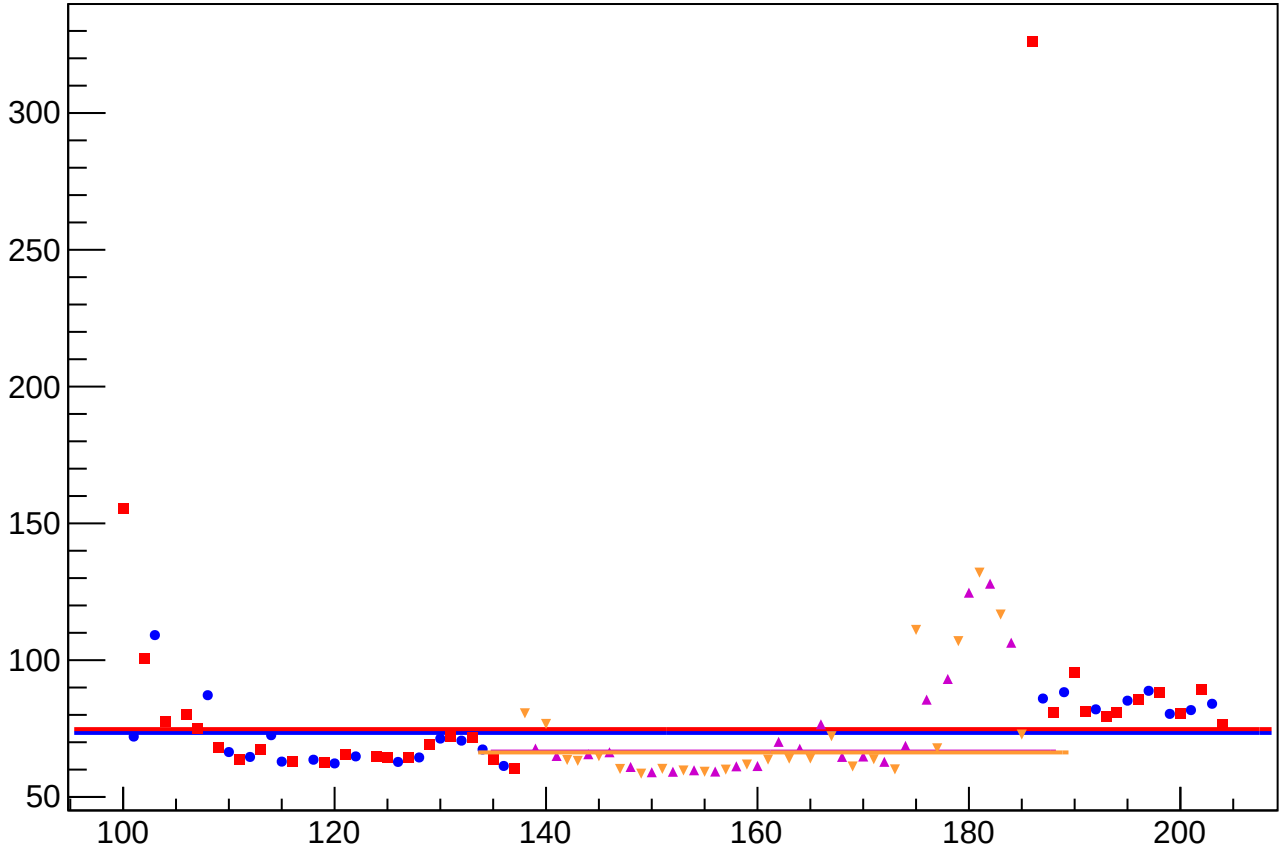
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -194.382+/-12.386 χ^2/NDF: 47.8/48

All: -18.174+/-8.752 χ^2/NDF: 539.8/101

- sign 157.580+/-12.370 χ^2/NDF: 87.7/52

eigen_dit_asym_sam8_rms vs Slug



Right In: 73.415+/-0.015 χ^2/NDF: 565888.6/23

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.798+/-0.014 χ^2/NDF: 1024503.9/29

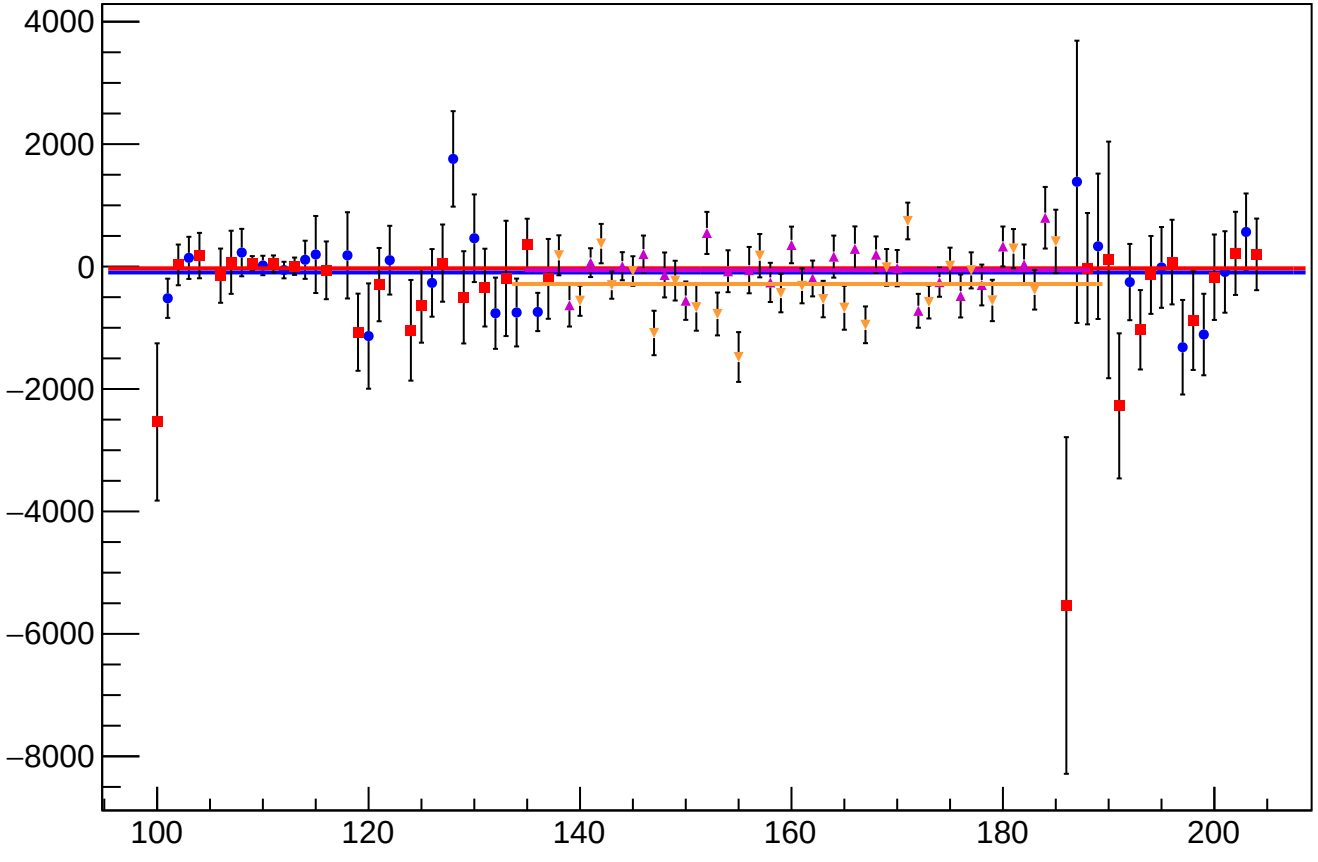
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 68.881+/-0.009 χ^2/NDF: 2113571.5/48

All: 69.392+/-0.006 χ^2/NDF: 4515335.1/101

- sign 69.901+/-0.009 χ^2/NDF: 2394968.8/52

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -96.301+/-75.367 χ^2/NDF: 25.8/23

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -28.481+/-63.482 χ^2/NDF: 23.7/29

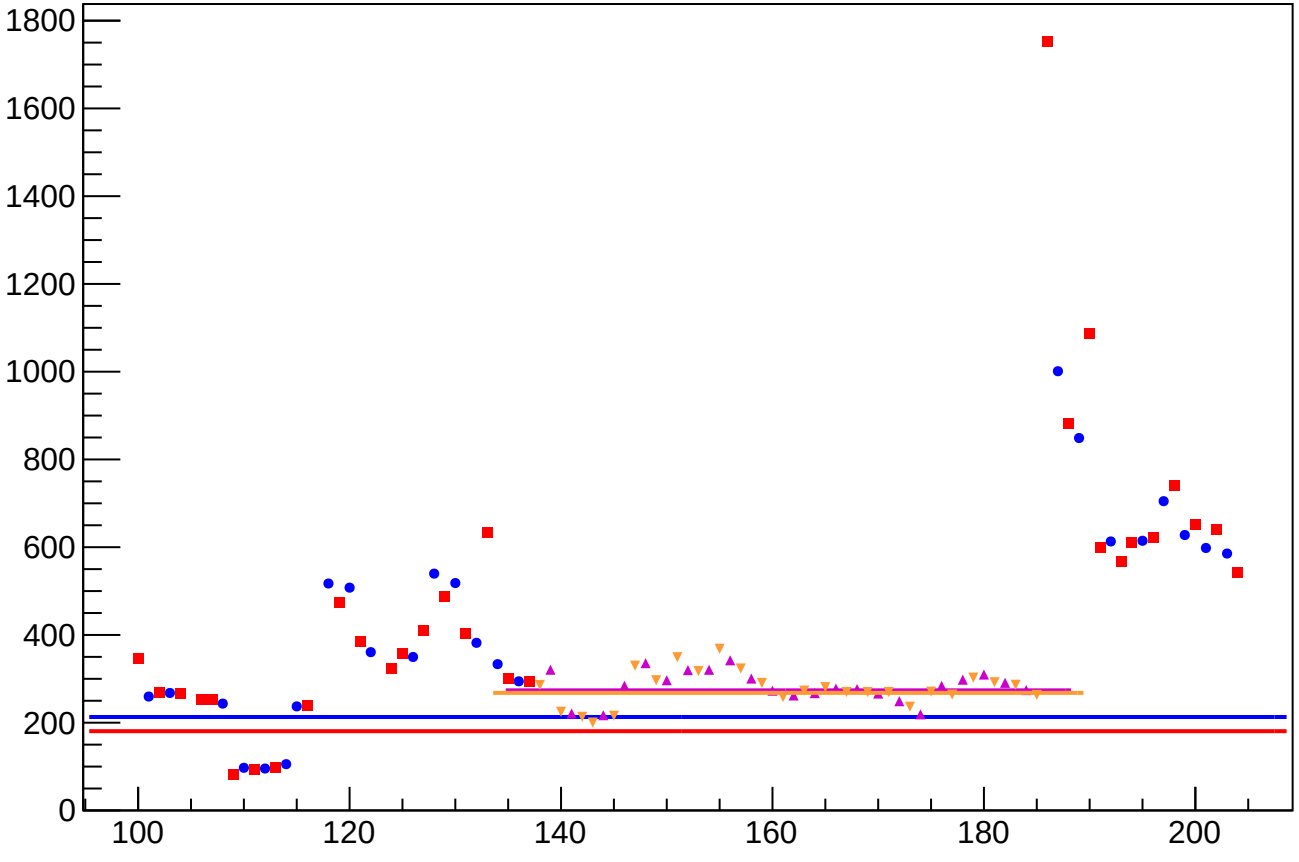
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -208.911+/-47.755 χ^2/NDF: 84.1/48

All: -121.852+/-32.862 χ^2/NDF: 141.1/101

- sign -43.544+/-45.291 χ^2/NDF: 50.6/52

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 213.019+/-0.053 χ^2/NDF: 10227223.7/23

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 180.698+/-0.045 χ^2/NDF: 14270875.0/29

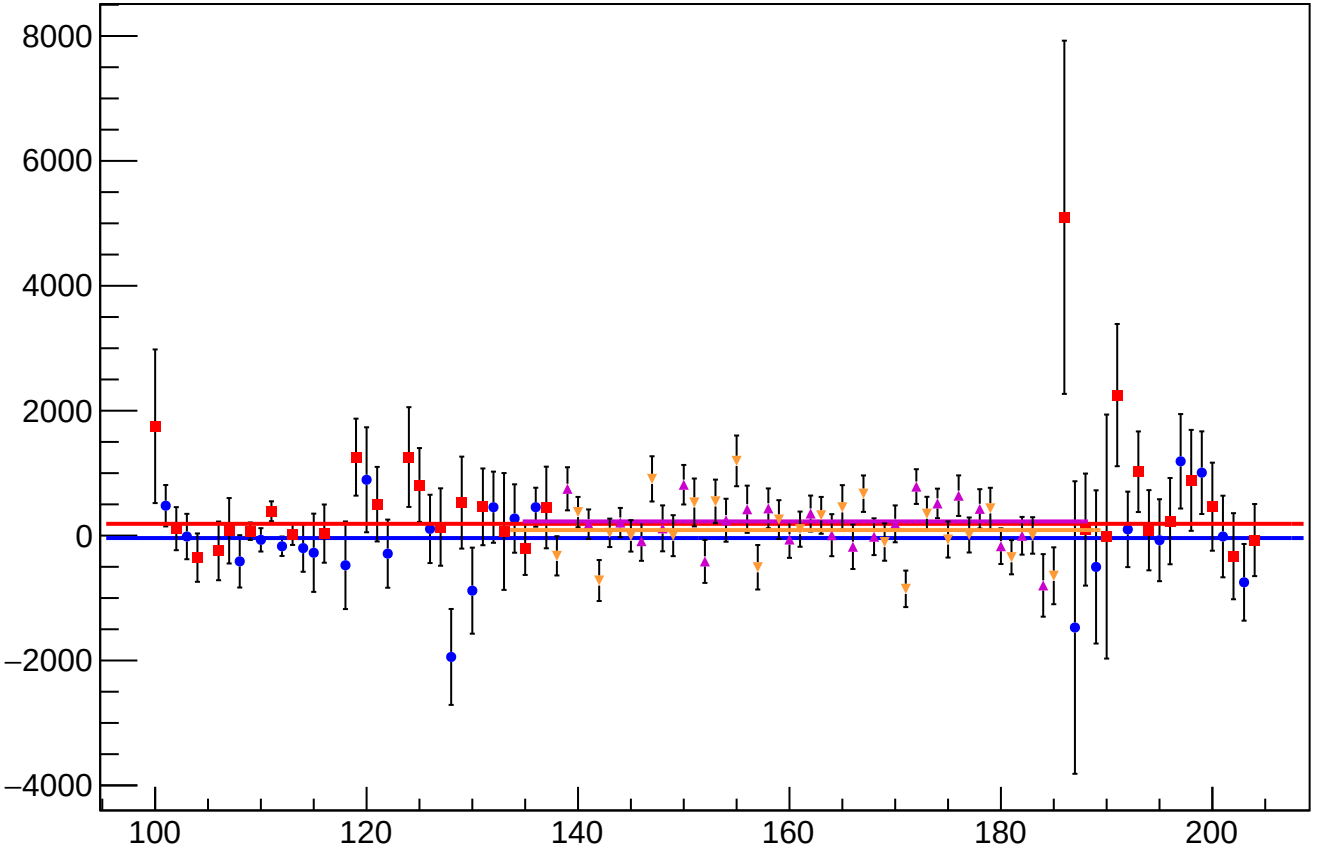
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 245.917+/-0.034 χ^2/NDF: 11726712.2/48

All: 235.634+/-0.023 χ^2/NDF: 28933864.8/10

- sign 226.386+/-0.032 χ^2/NDF: 17031029.7/52

asym_sam8_mean vs Slug



Right In: -39.465+/-82.370 χ^2/NDF: 24.5/23

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 188.490+/-71.126 χ^2/NDF: 25.2/29

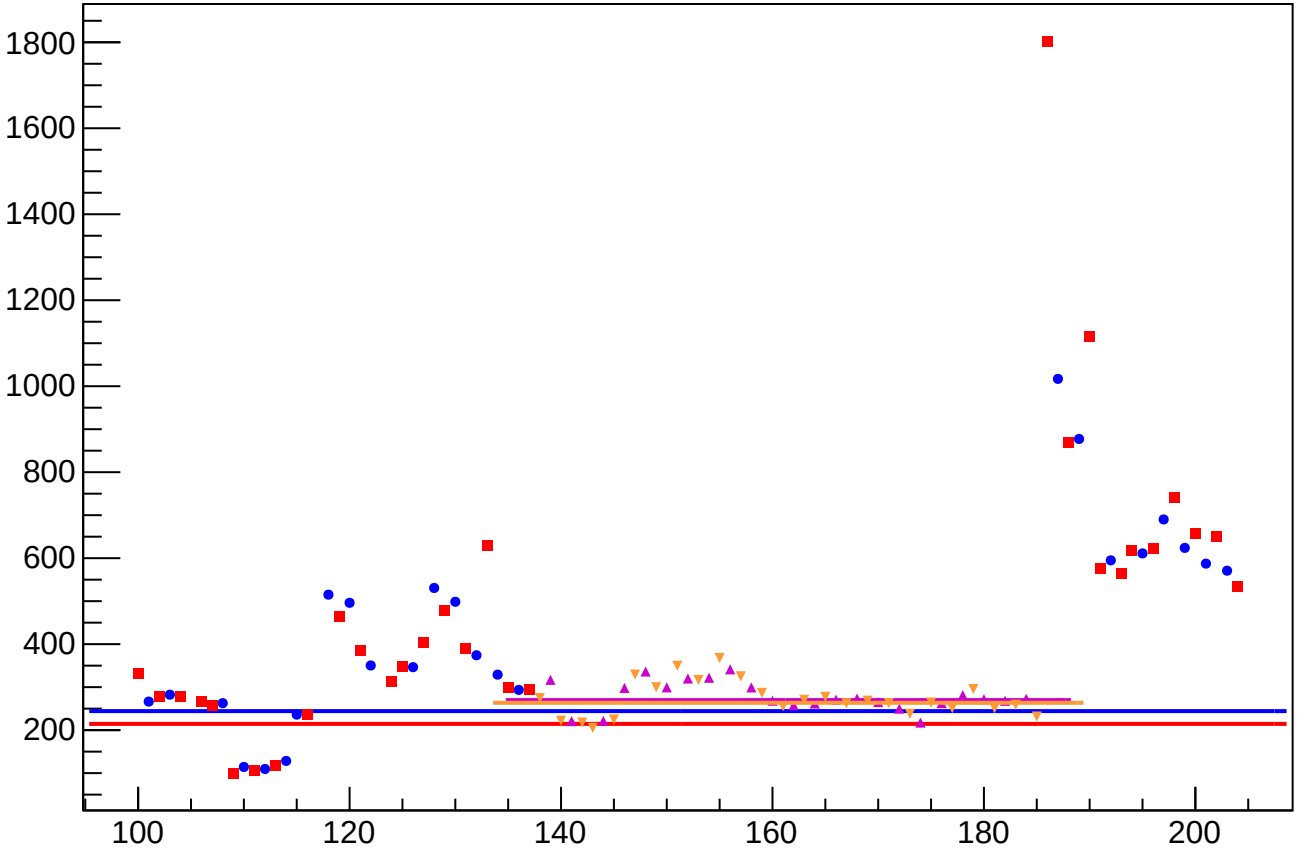
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

\+ sign 43.431+/-48.847 χ^2/NDF: 78.2/48

All: 129.039+/-34.033 χ^2/NDF: 138.4/101

\- sign 209.793+/-47.442 χ^2/NDF: 54.2/52

asym_sam8_rms vs Slug



Right In: 244.265+/-0.058 χ^2/NDF: 8580806.7/23

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 214.519+/-0.050 χ^2/NDF: 12317008.1/29

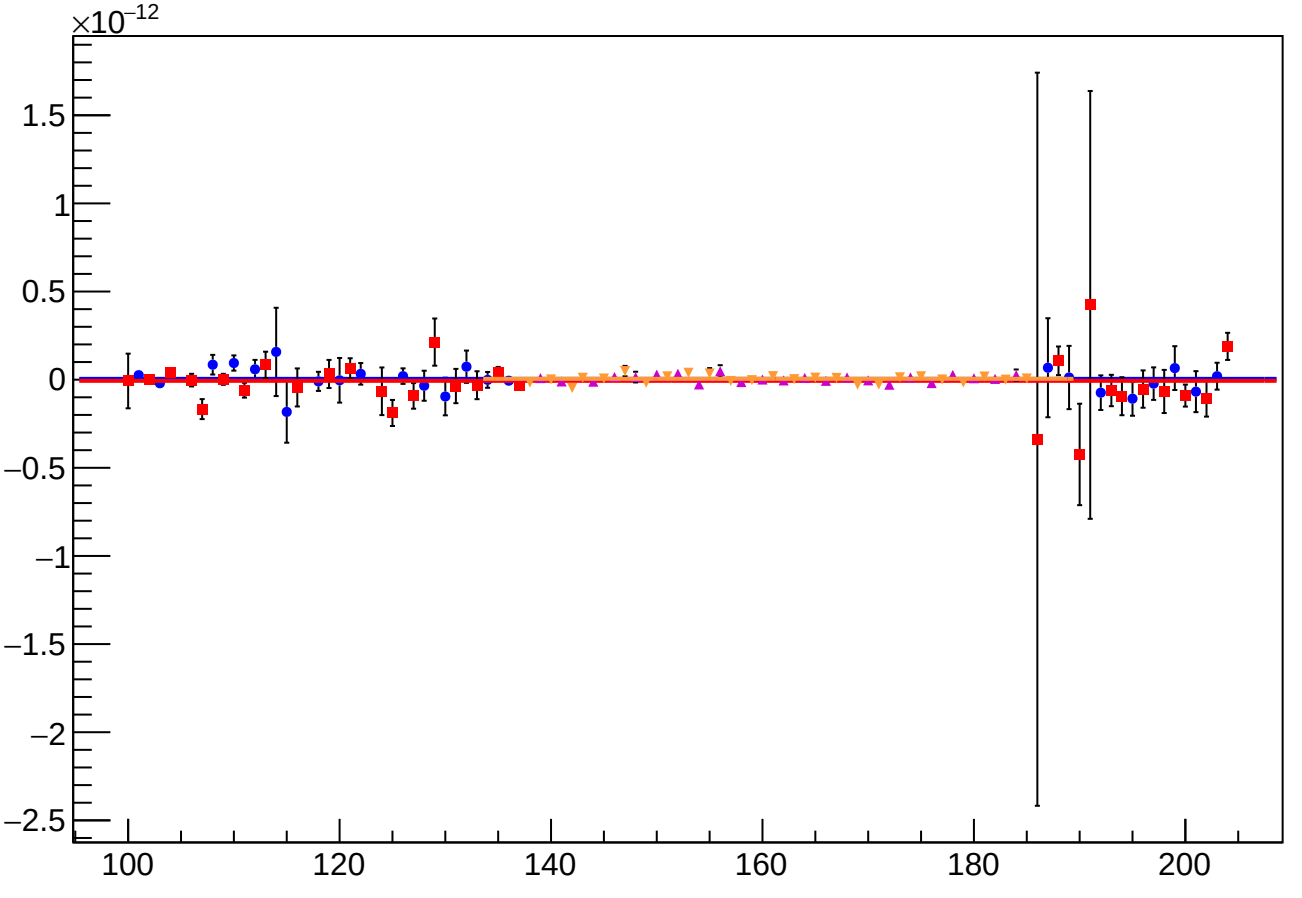
Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 256.796+/-0.035 χ^2/NDF: 9432052.5/48

All: 250.859+/-0.024 χ^2/NDF: 23081736.7/10

- sign 245.259+/-0.034 χ^2/NDF: 13592276.5/52

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

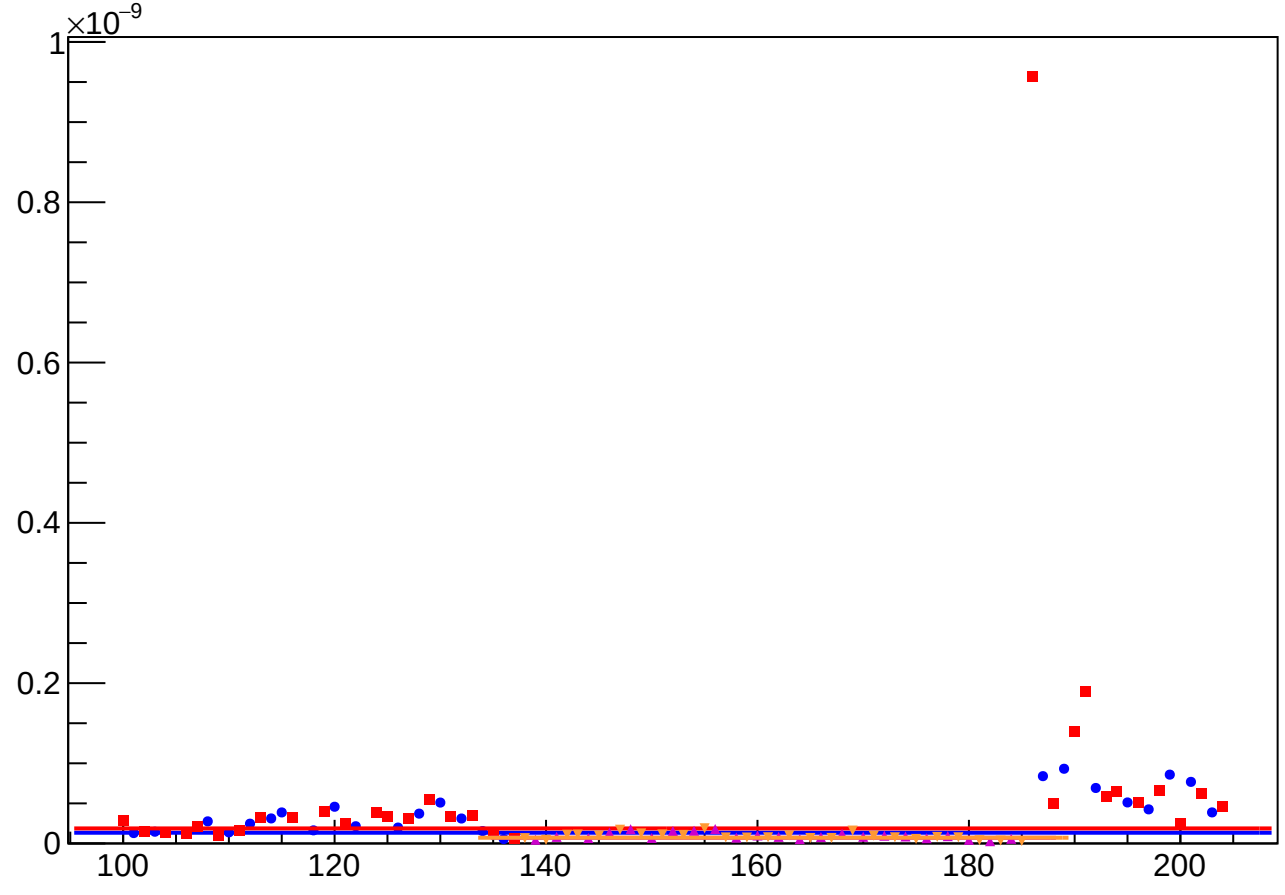
Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/29

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.5/48

All: 0.000+/-0.000 χ^2/NDF: 112.7/101

- sign 0.000+/-0.000 χ^2/NDF: 67.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 5086353.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4598880.0/29

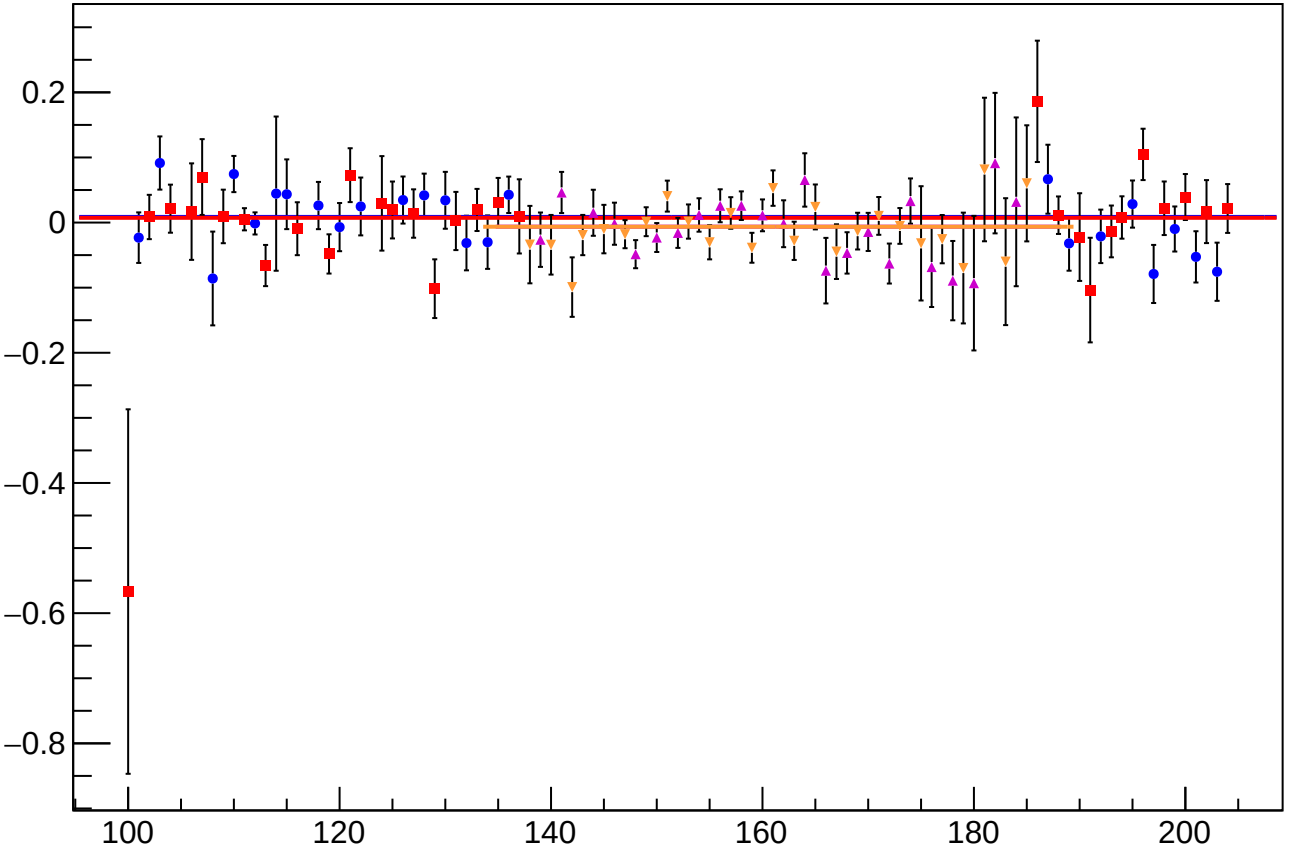
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8084727.0/48

All: 0.000+/-0.000 χ^2/NDF: 17379923.4/101

- sign 0.000+/-0.000 χ^2/NDF: 9284980.2/52

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.007 χ^2/NDF: 31.7/23

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.007 χ^2/NDF: 36.9/29

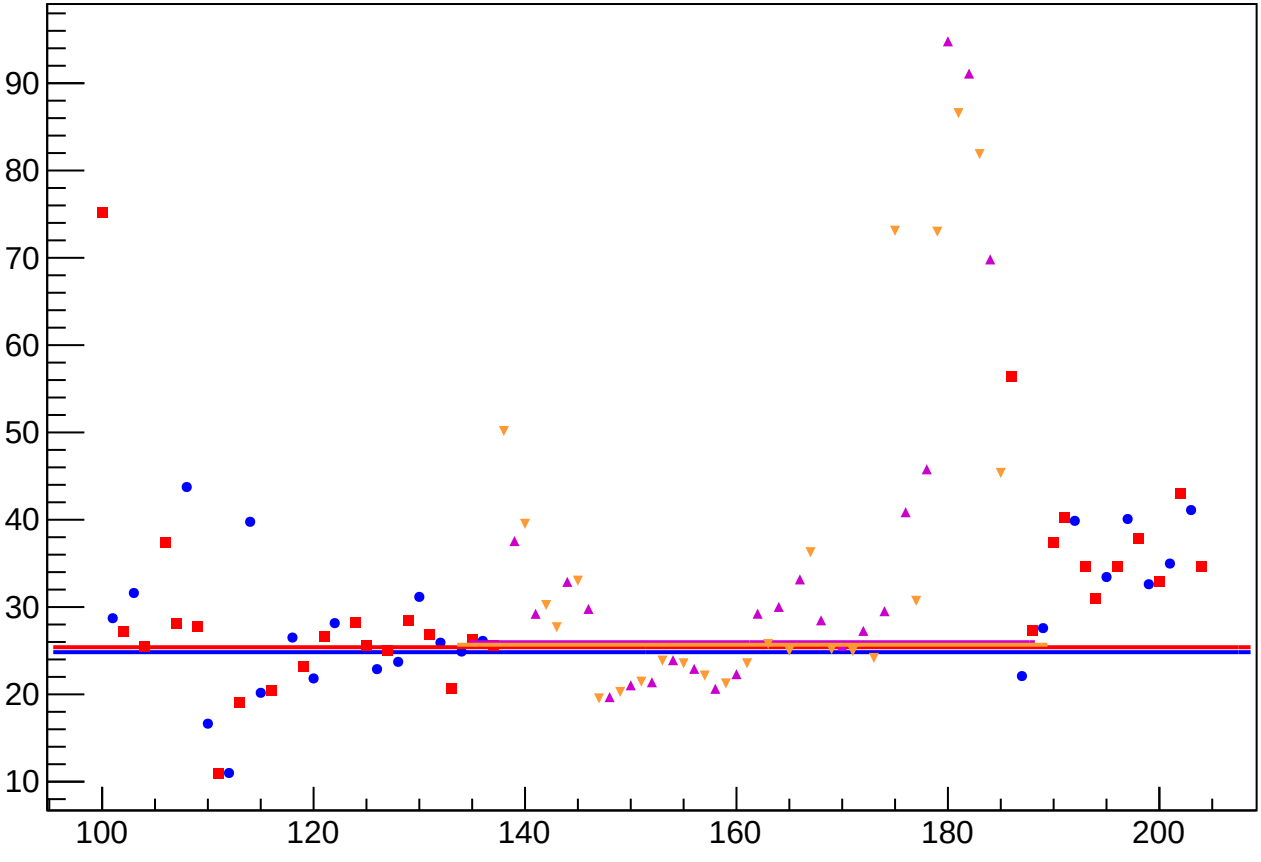
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.000+/-0.005 χ^2/NDF: 56.6/48

All: 0.000+/-0.003 χ^2/NDF: 123.9/101

- sign 0.000+/-0.005 χ^2/NDF: 67.3/52

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 24.832+/-0.005 χ^2/NDF: 2973301.4/23

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

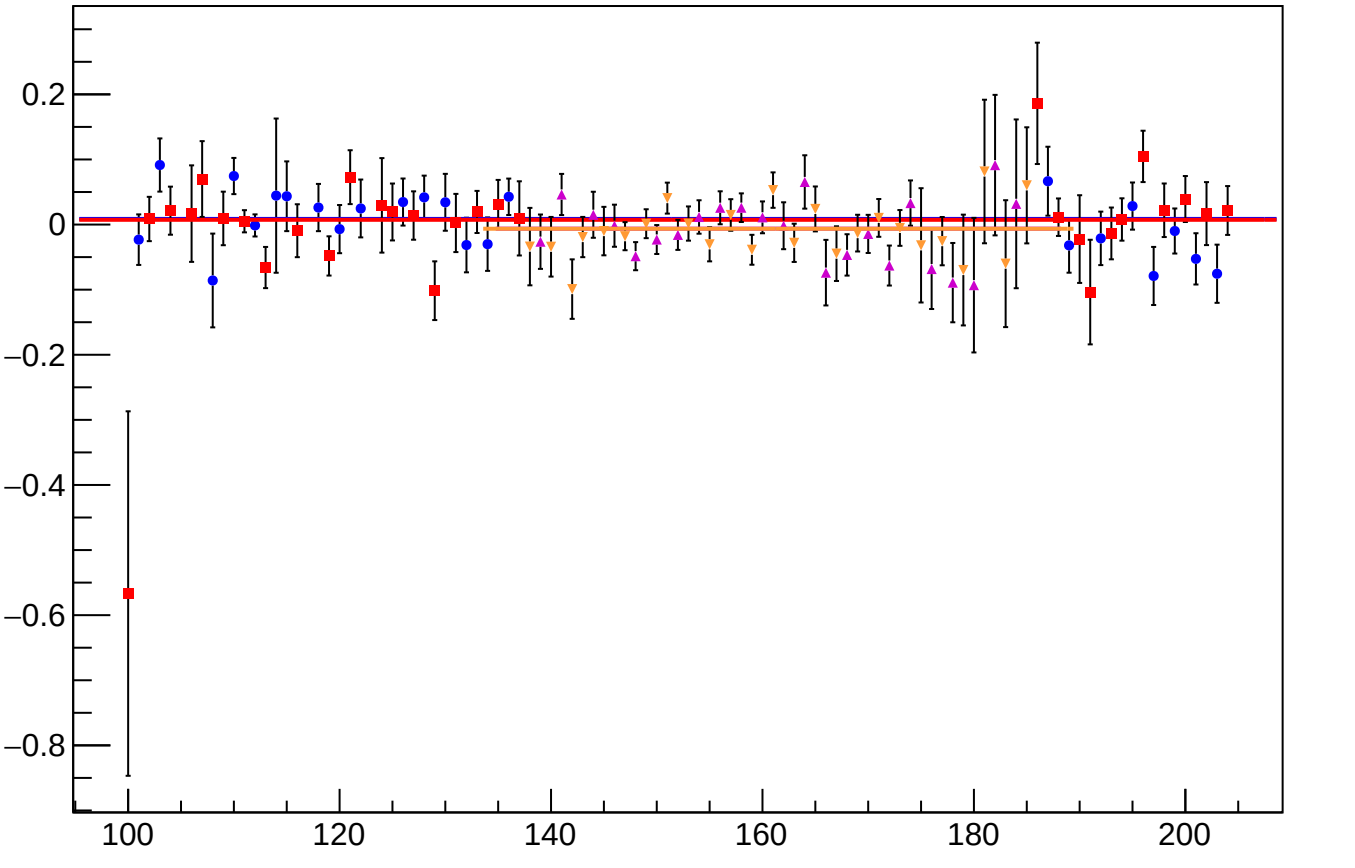
Right Out: 25.399+/-0.005 χ^2/NDF: 3056893.5/29

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

\+ sign 25.323+/-0.003 χ^2/NDF: 6859930.9/48

All: 25.514+/-0.002 χ^2/NDF: 13048328.6/101

\- sign 25.702+/-0.003 χ^2/NDF: 6182260.7/52



Right In: 0.009+/-0.007 χ^2/NDF: 31.7/23

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.007 χ^2/NDF: 36.9/29

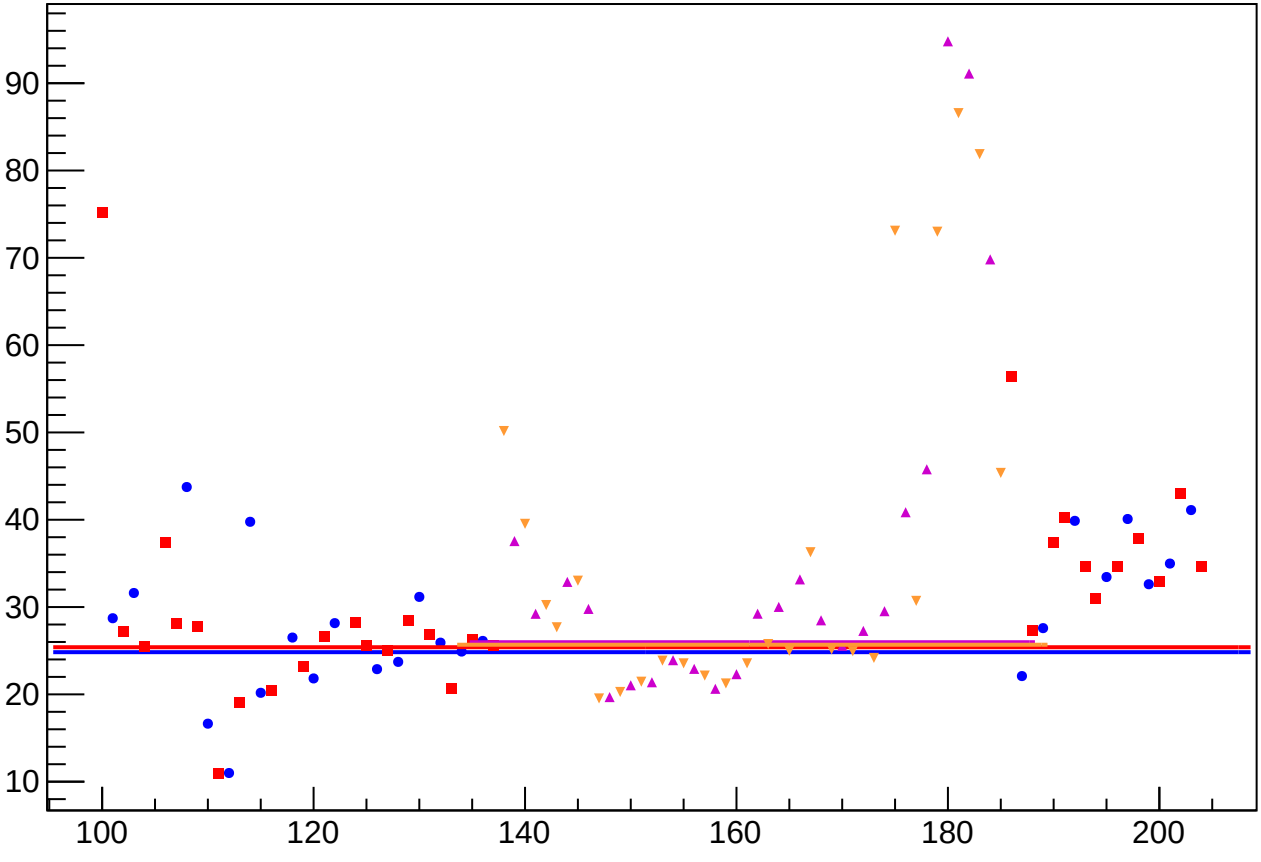
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.000+/-0.005 χ^2/NDF: 56.6/48

All: 0.000+/-0.003 χ^2/NDF: 123.9/101

- sign 0.000+/-0.005 χ^2/NDF: 67.3/52

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.832+/-0.005 χ^2/NDF: 2973301.4/23

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.399+/-0.005 χ^2/NDF: 3056893.5/29

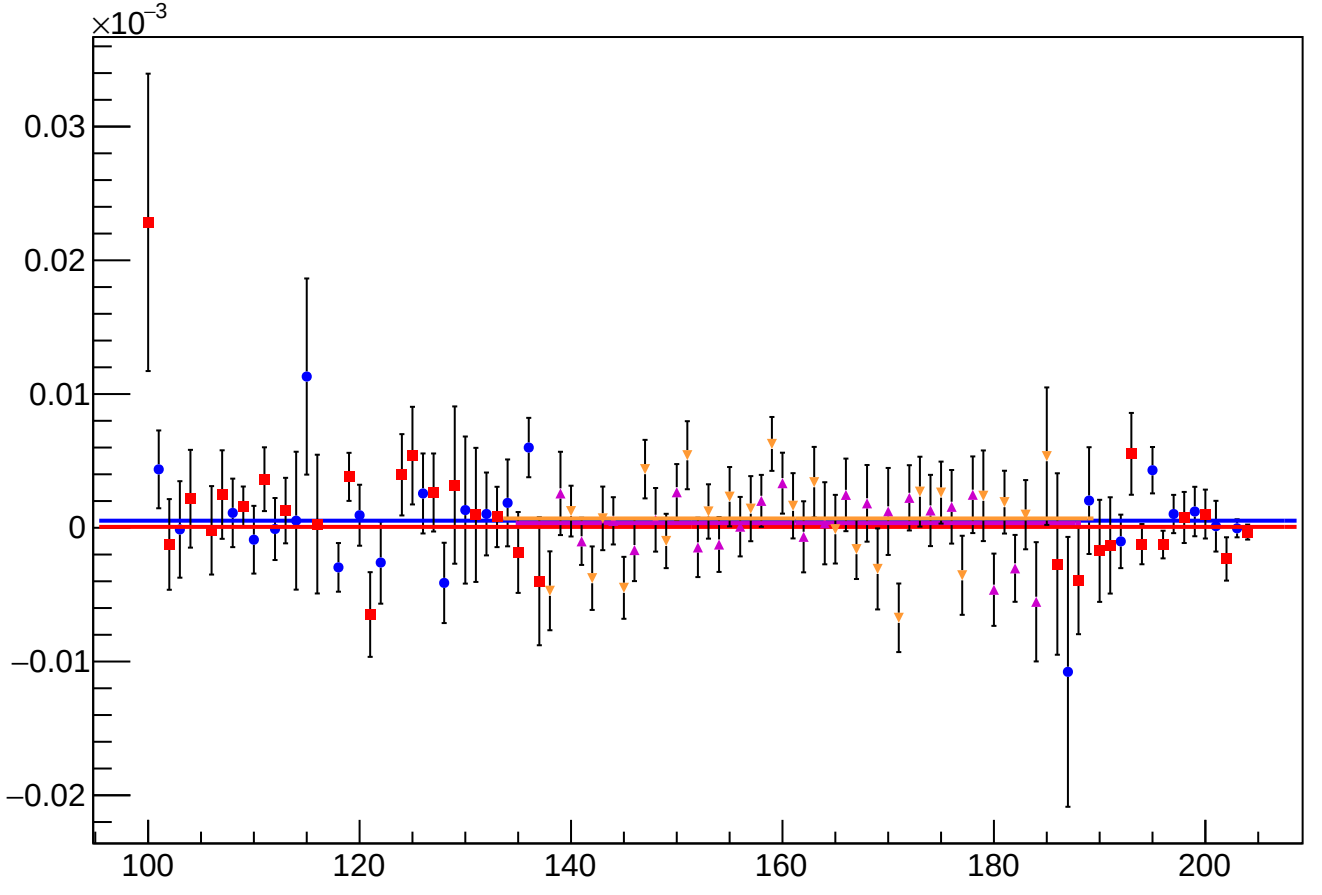
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 25.323+/-0.003 χ^2/NDF: 6859930.9/48

All: 25.514+/-0.002 χ^2/NDF: 13048328.6/101

- sign 25.702+/-0.003 χ^2/NDF: 6182260.7/52

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.6/29

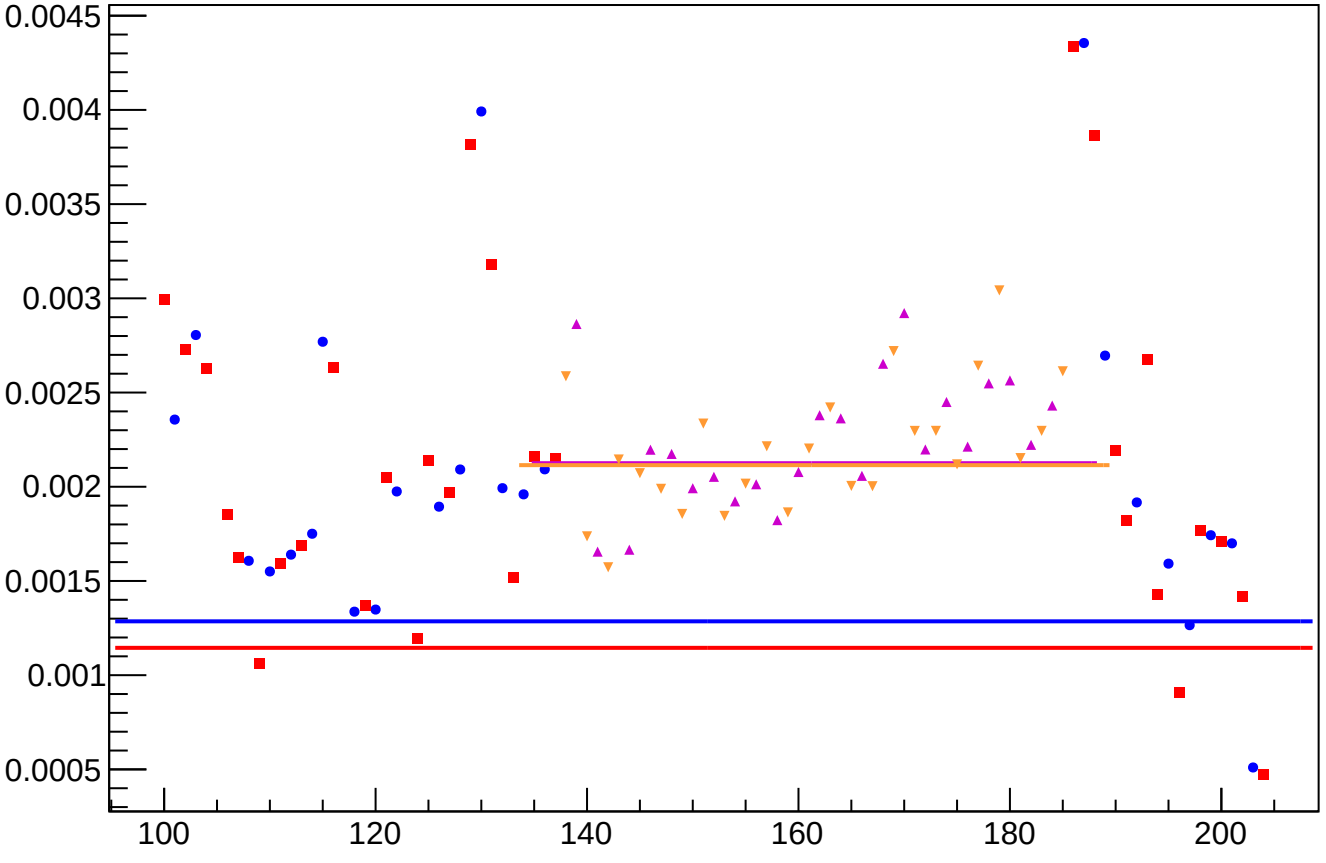
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.4/48

All: 0.000+/-0.000 χ^2/NDF: 121.7/101

- sign 0.000+/-0.000 χ^2/NDF: 50.2/52

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5659567.2/23

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

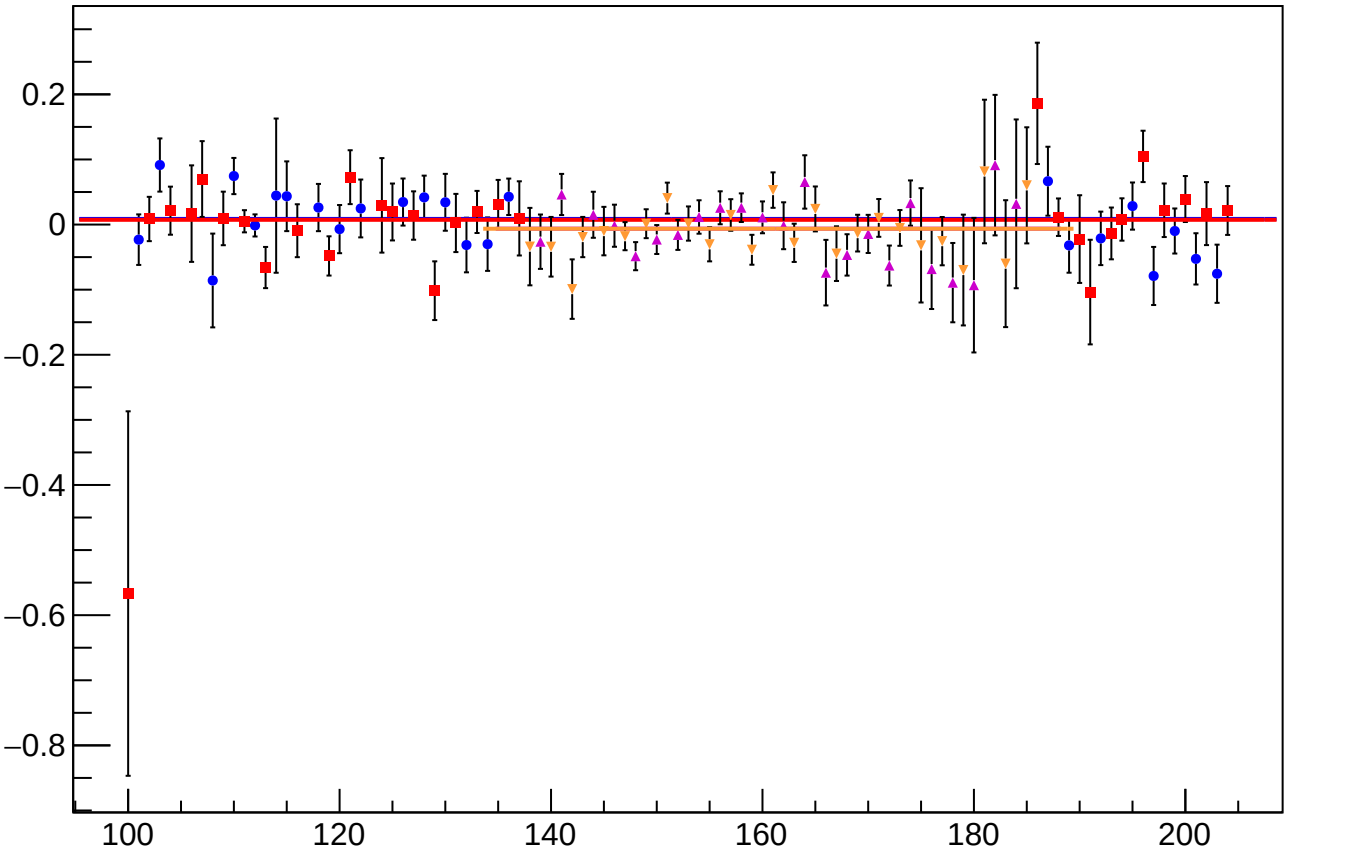
Right Out: 0.001+/-0.000 χ^2/NDF: 8542289.6/29

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 9792277.6/48

All: 0.002+/-0.000 χ^2/NDF: 24589379.3/101

- sign 0.001+/-0.000 χ^2/NDF: 14489089.2/52



Right In: 0.009+/-0.007 χ^2/NDF: 31.7/23

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.007 χ^2/NDF: 36.9/29

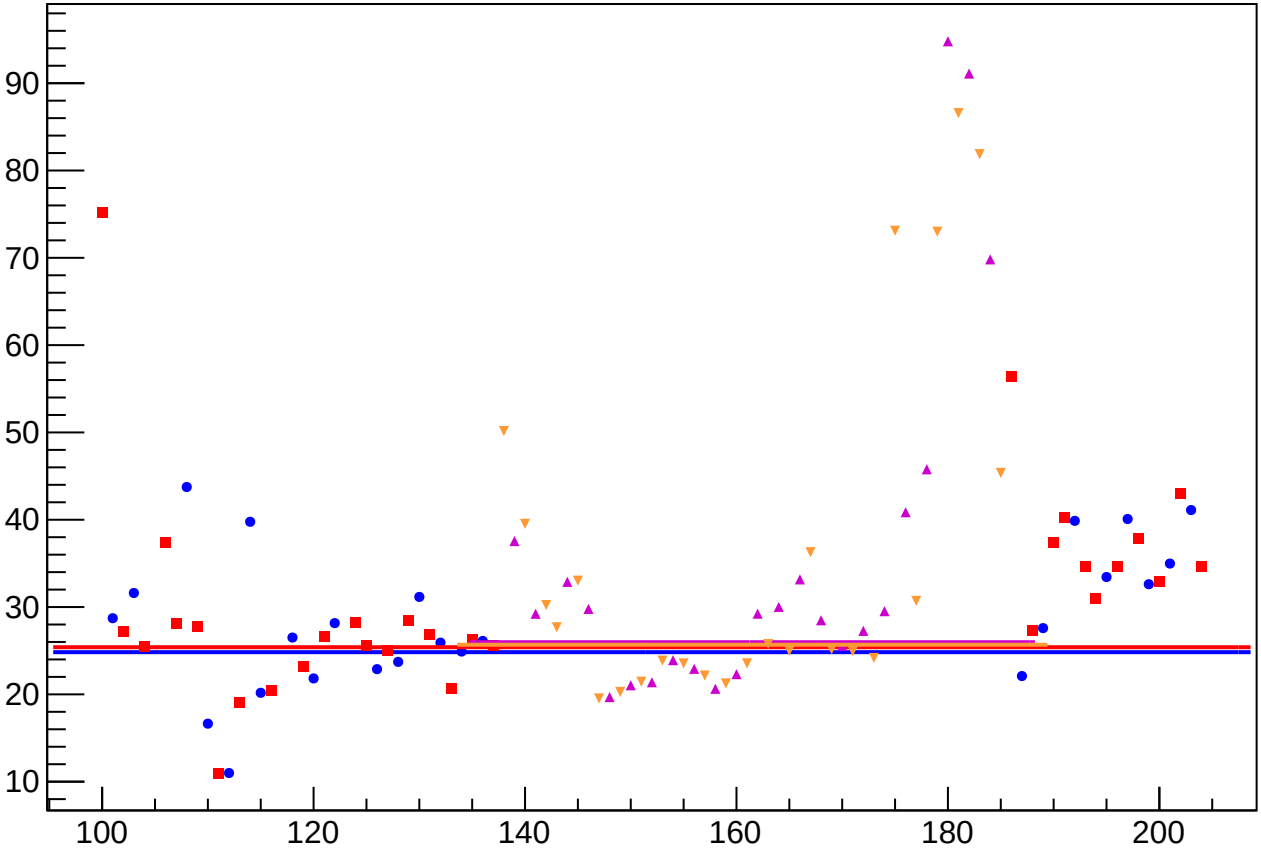
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.000+/-0.005 χ^2/NDF: 56.6/48

All: 0.000+/-0.003 χ^2/NDF: 123.9/101

- sign 0.000+/-0.005 χ^2/NDF: 67.3/52

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.832+/-0.005 χ^2/NDF: 2973559.4/23

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

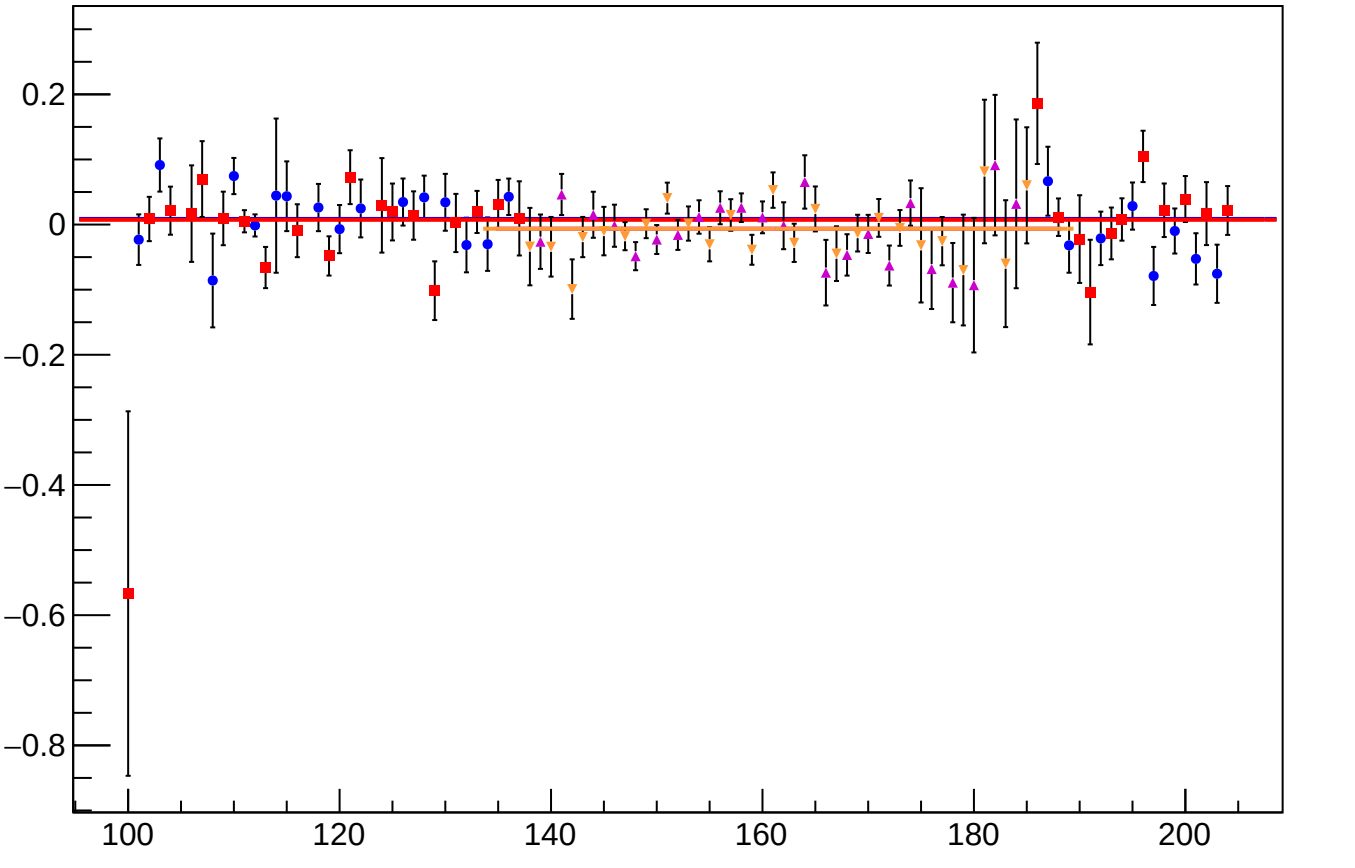
Right Out: 25.398+/-0.005 χ^2/NDF: 3057167.2/29

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.323+/-0.003 χ^2/NDF: 6860215.4/48

All: 25.514+/-0.002 χ^2/NDF: 13048883.8/101

- sign 25.702+/-0.003 χ^2/NDF: 6182532.7/52



Right In: 0.009+/-0.007 χ^2/NDF: 31.7/23

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.007 χ^2/NDF: 36.9/29

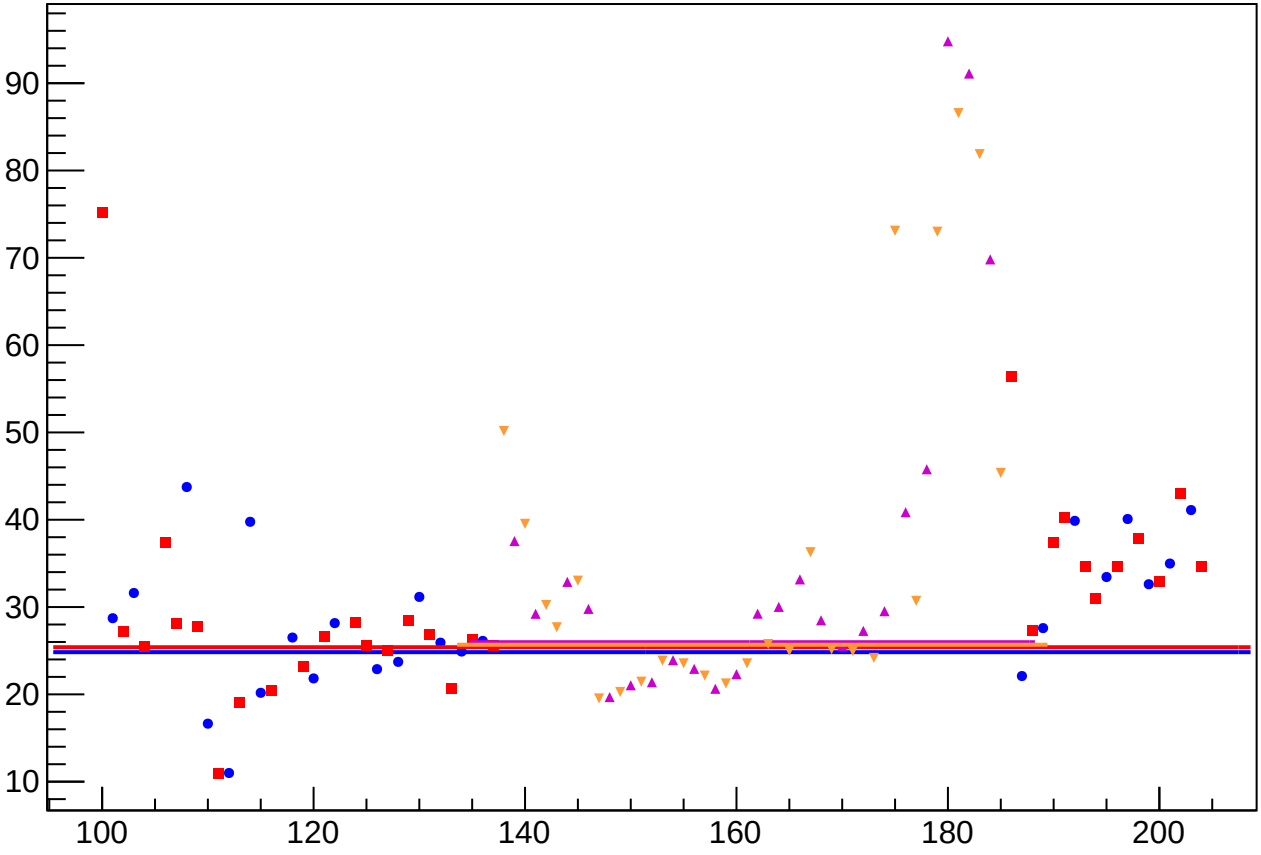
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.000+/-0.005 χ^2/NDF: 56.6/48

All: 0.000+/-0.003 χ^2/NDF: 123.9/101

- sign 0.000+/-0.005 χ^2/NDF: 67.3/52

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.832+/-0.005 χ^2/NDF: 2973559.4/23

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

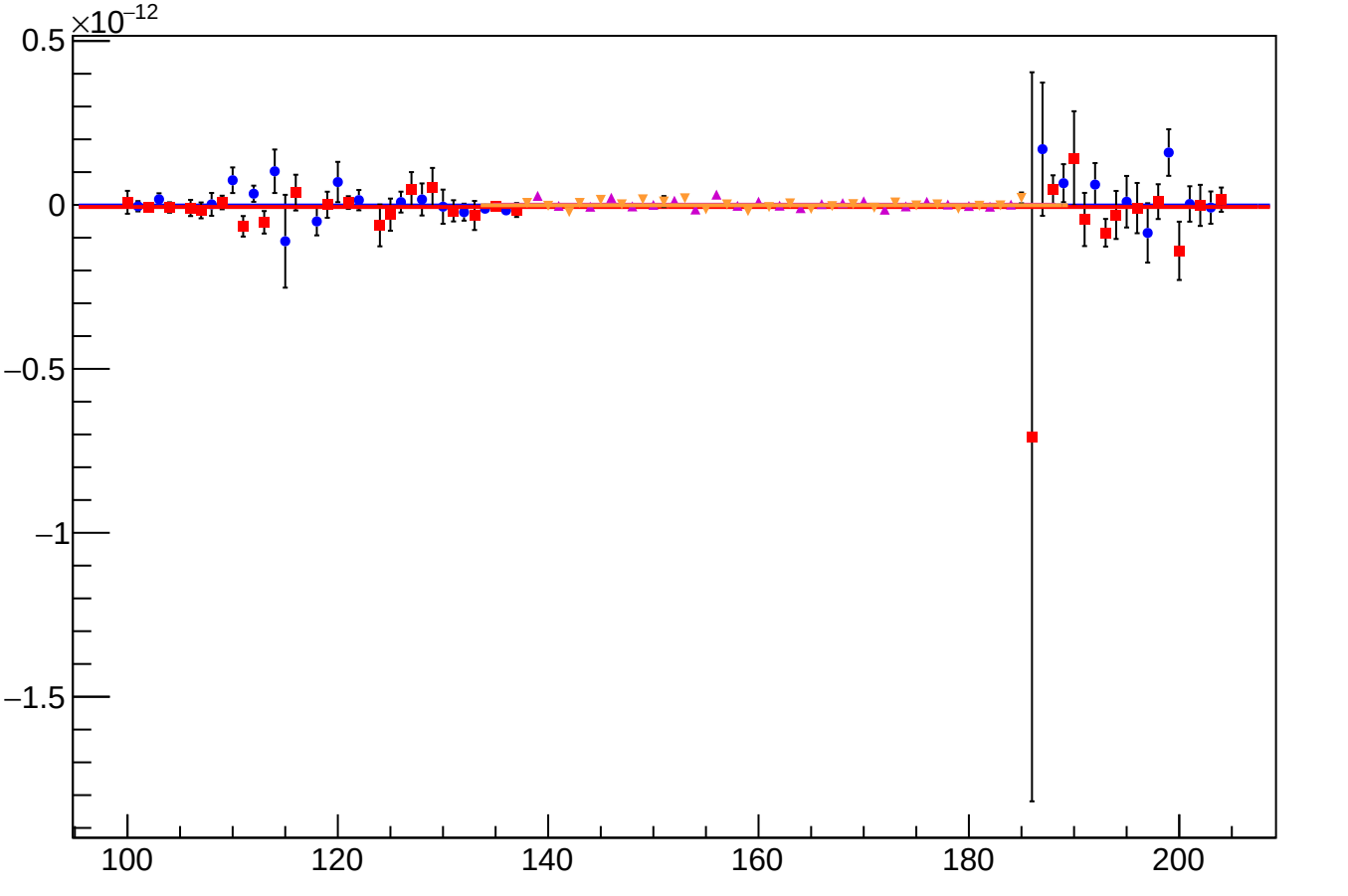
Right Out: 25.398+/-0.005 χ^2/NDF: 3057167.2/29

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.323+/-0.003 χ^2/NDF: 6860215.4/48

All: 25.514+/-0.002 χ^2/NDF: 13048883.8/101

- sign 25.702+/-0.003 χ^2/NDF: 6182532.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

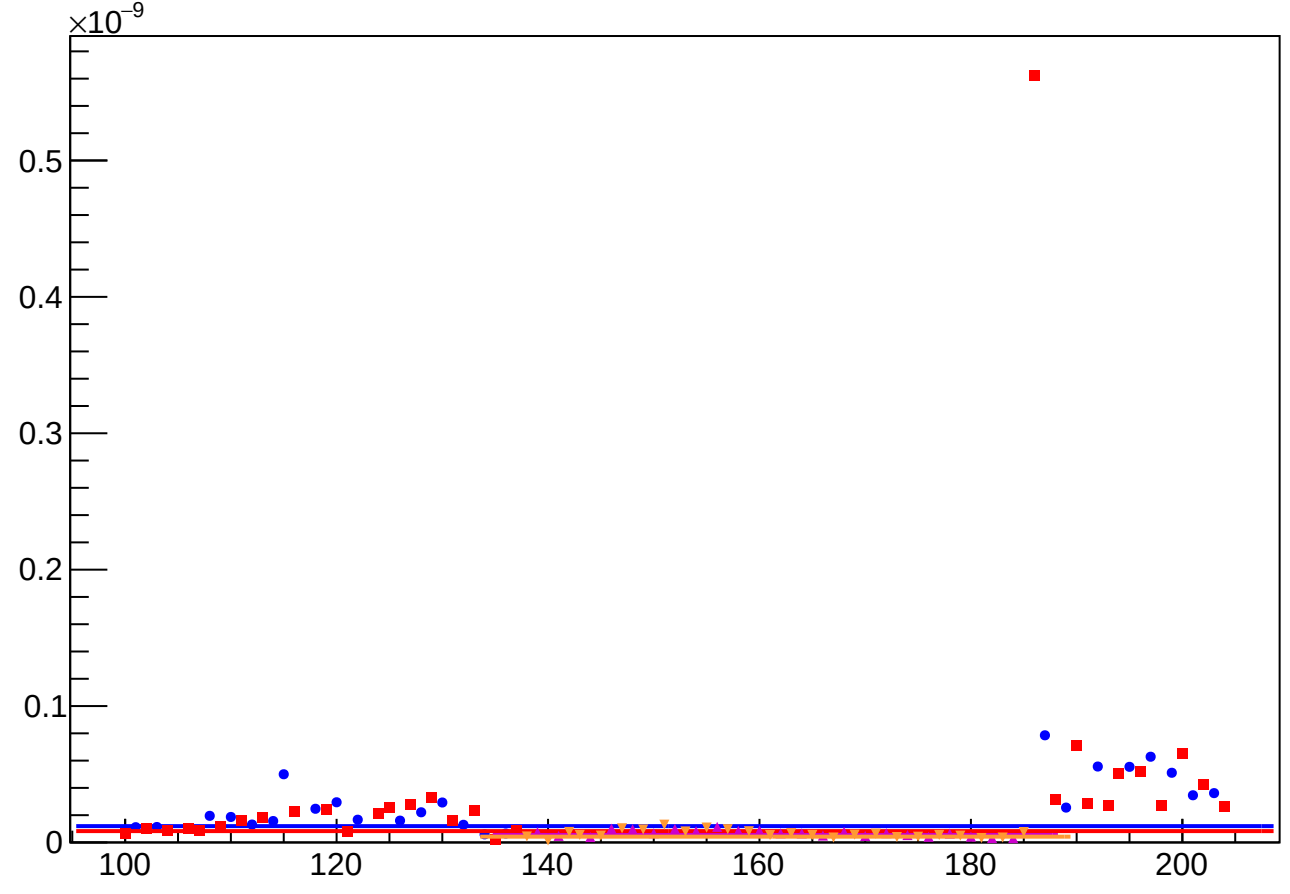
Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/29

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.3/48

All: -0.000+/-0.000 χ^2/NDF: 108.0/101

- sign -0.000+/-0.000 χ^2/NDF: 52.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 6029953.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9682992.5/29

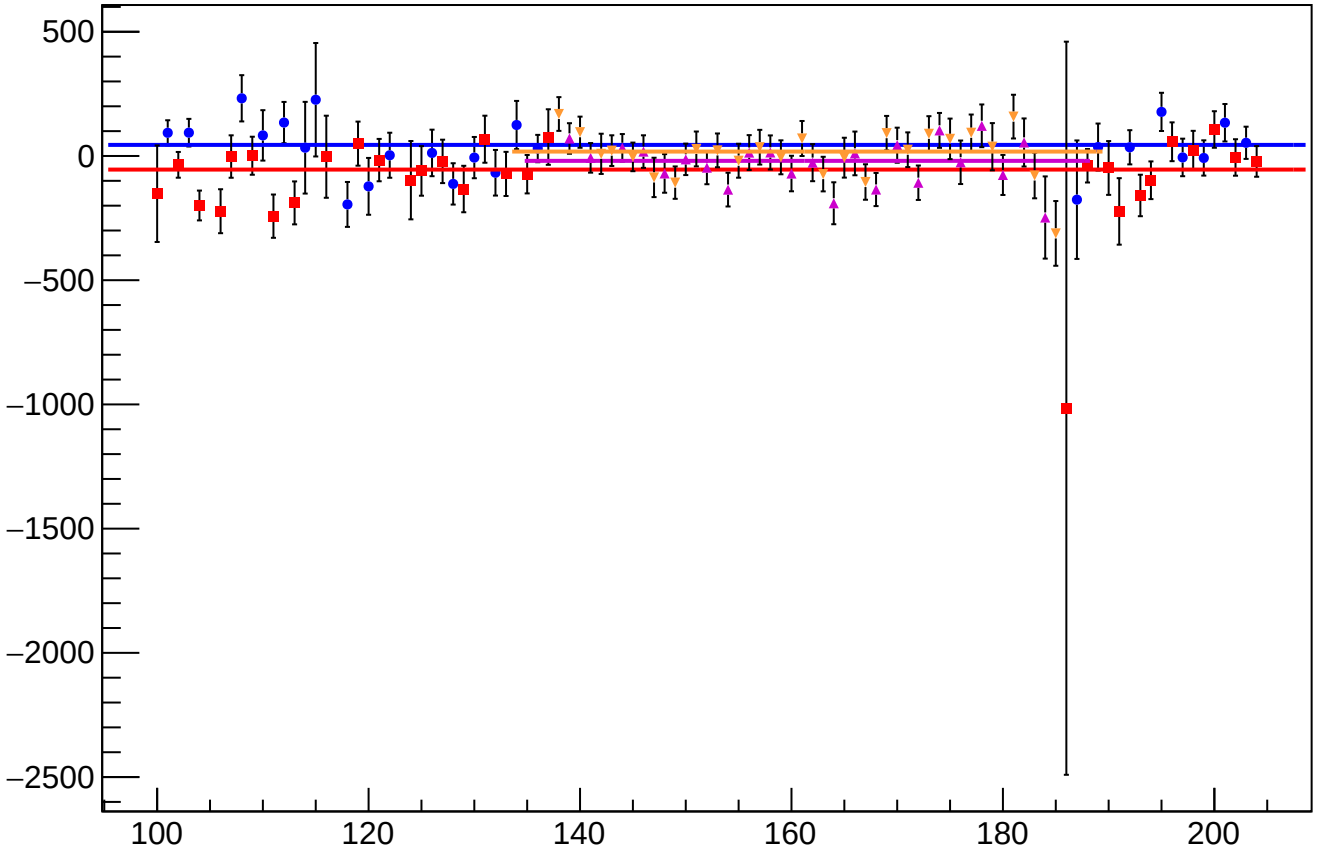
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15316590.1/48

All: 0.000+/-0.000 χ^2/NDF: 29181349.1/101

- sign 0.000+/-0.000 χ^2/NDF: 13294332.5/52

reg_asym_sam_15_avg_mean vs Slug



Right In: 44.629+/-16.447 χ^2/NDF: 29.7/23

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -54.722+/-15.442 χ^2/NDF: 36.0/29

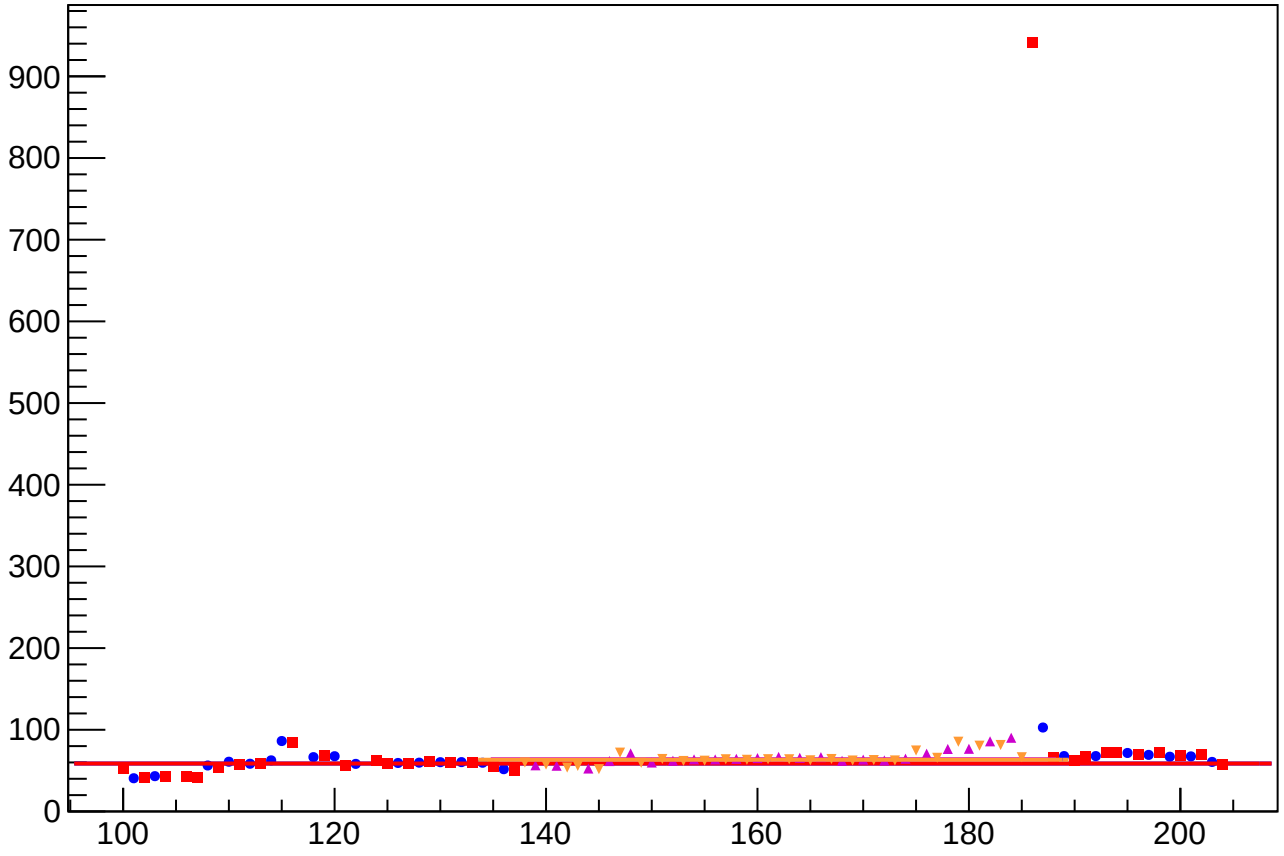
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 29.529+/-10.875 χ^2/NDF: 62.7/48

All: -3.903+/-7.654 χ^2/NDF: 146.4/101

- sign -36.720+/-10.774 χ^2/NDF: 64.9/52

reg_asym_sam_15_avg_rms vs Slug



Right In: 58.673+/-0.012 χ^2/NDF: 776407.3/23

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.666+/-0.011 χ^2/NDF: 1647610.8/29

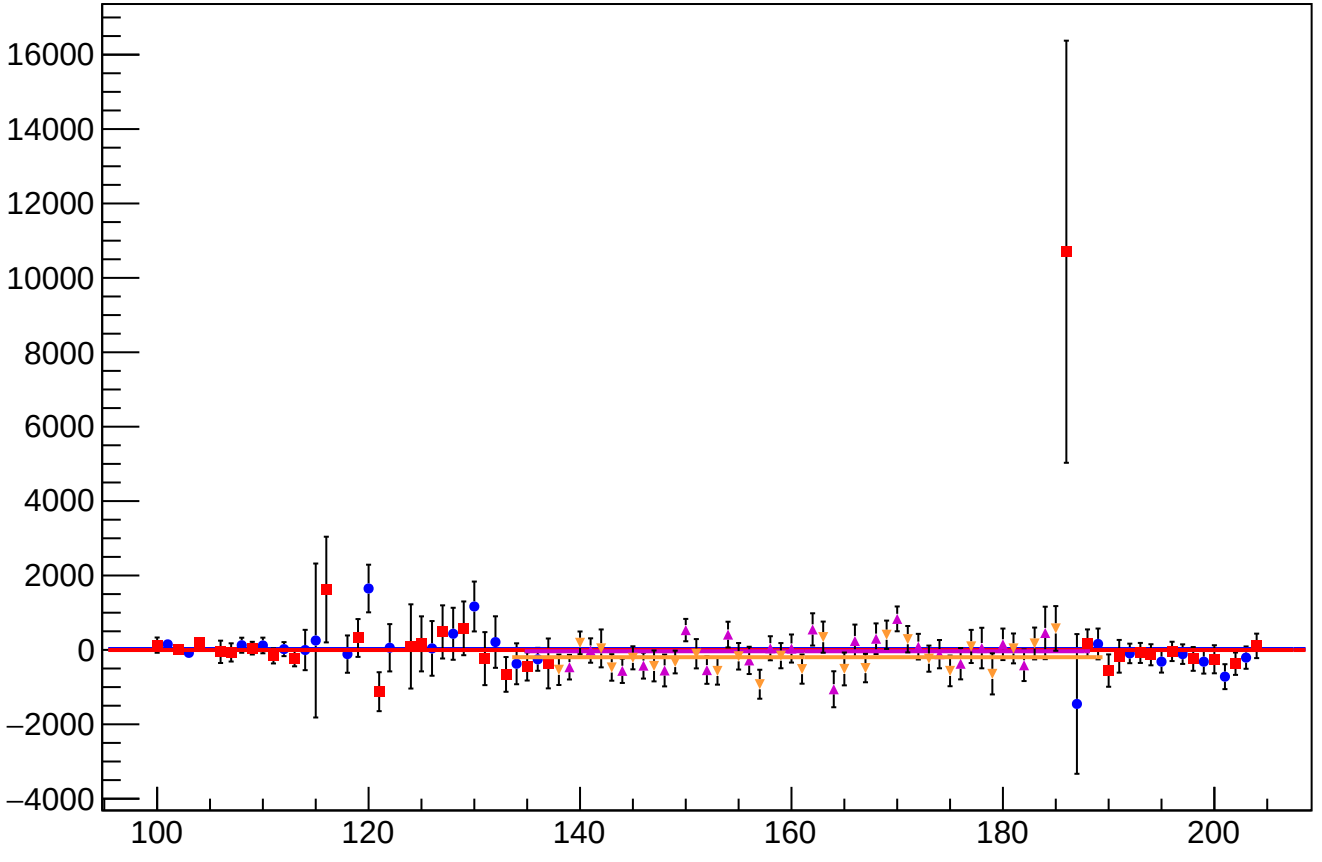
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.284+/-0.008 χ^2/NDF: 1363403.5/48

All: 61.323+/-0.005 χ^2/NDF: 3575091.1/101

\- sign 61.361+/-0.008 χ^2/NDF: 2211636.7/52

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 23.204+/-43.060 χ^2/NDF: 25.7/23

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -3.558+/-45.109 χ^2/NDF: 26.9/29

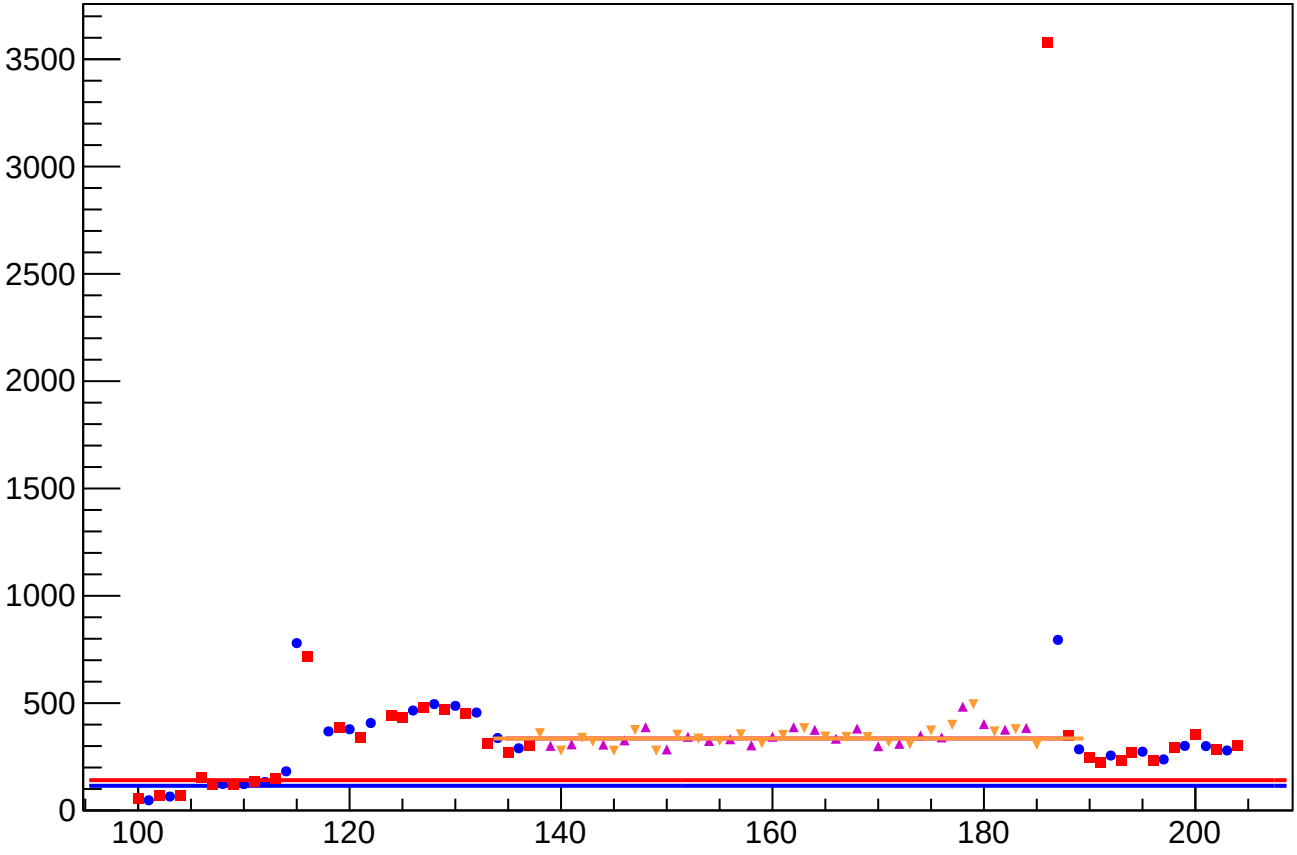
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -28.912+/-37.593 χ^2/NDF: 52.5/48

All: -20.620+/-27.132 χ^2/NDF: 110.7/101

- sign -11.605+/-39.198 χ^2/NDF: 58.1/52

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 114.868+/-0.030 χ^2/NDF: 11365851.3/23

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 141.114+/-0.032 χ^2/NDF: 10694094.8/29

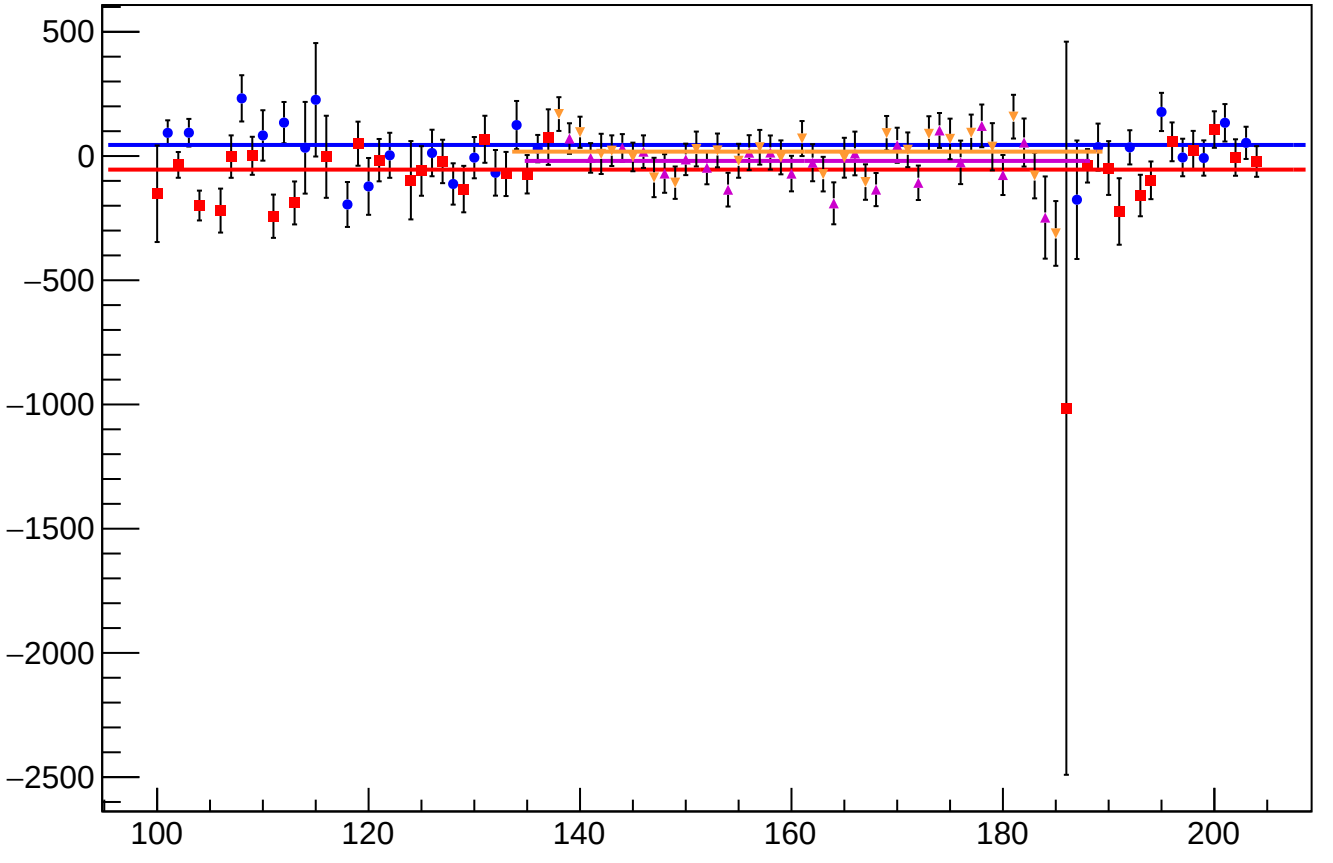
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 167.282+/-0.027 χ^2/NDF: 24390637.2/48

All: 177.555+/-0.019 χ^2/NDF: 44989212.3/10

- sign 188.724+/-0.028 χ^2/NDF: 20286848.8/52

cor_asym_sam_15_avg_mean vs Slug



Right In: 44.638+/-16.447 χ^2/NDF: 29.7/23

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -54.639+/-15.442 χ^2/NDF: 35.9/29

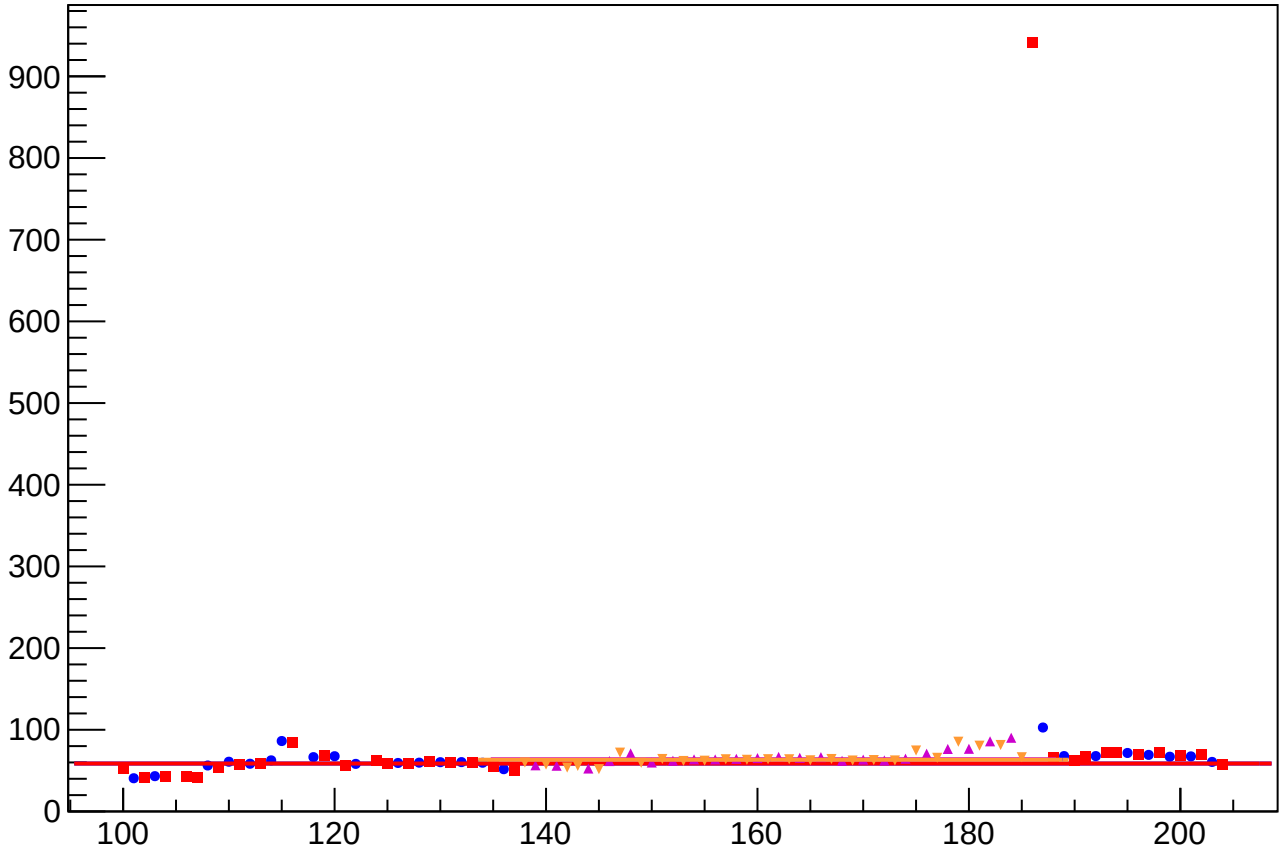
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 29.535+/-10.875 χ^2/NDF: 62.7/48

All: -3.878+/-7.654 χ^2/NDF: 146.2/101

- sign -36.679+/-10.774 χ^2/NDF: 64.8/52

cor_asym_sam_15_avg_rms vs Slug



Right In: 58.673+/-0.012 χ^2/NDF: 776406.4/23

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.666+/-0.011 χ^2/NDF: 1648026.6/29

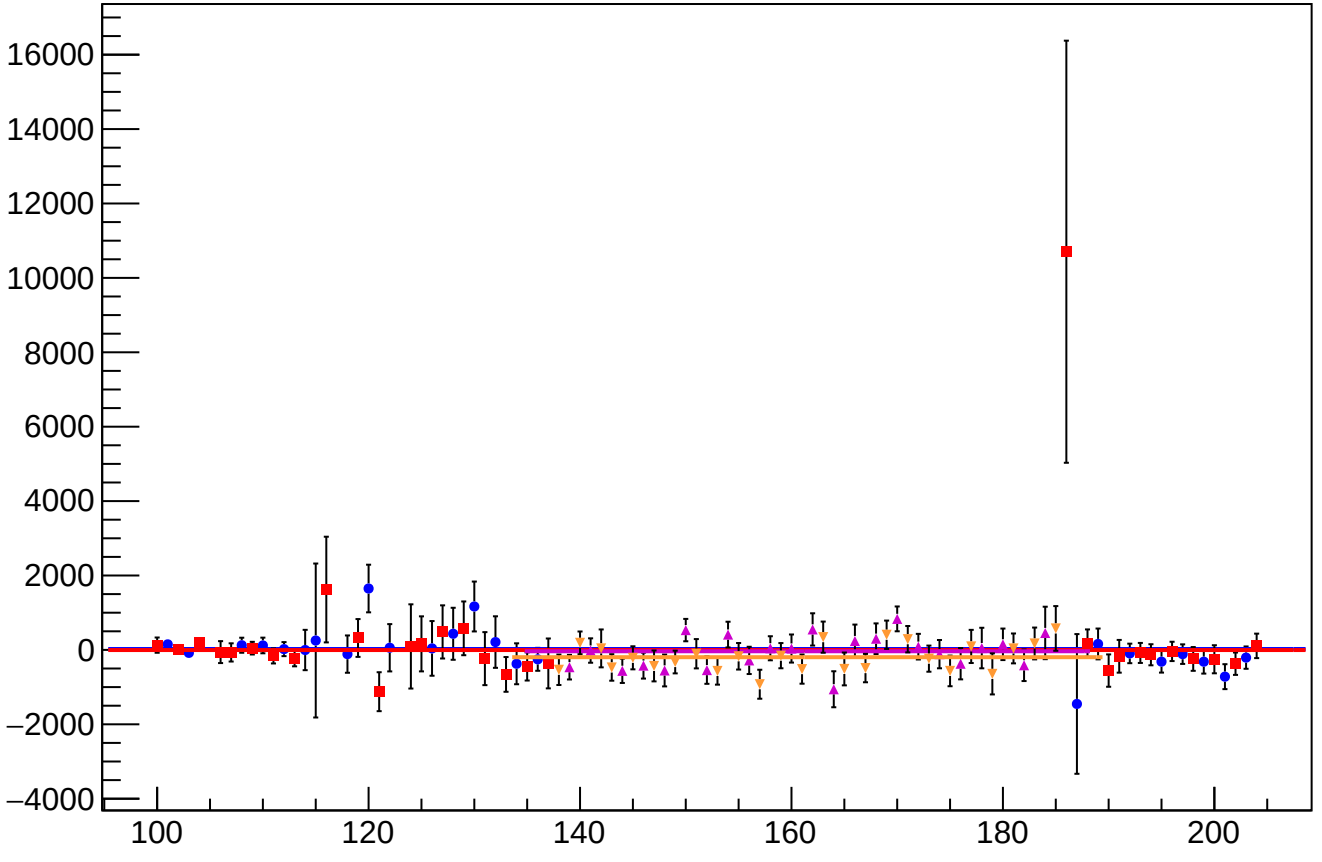
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.284+/-0.008 χ^2/NDF: 1363402.3/48

All: 61.323+/-0.005 χ^2/NDF: 3575539.5/101

\- sign 61.361+/-0.008 χ^2/NDF: 2212086.7/52

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 23.209+/-43.059 χ^2/NDF: 25.7/23

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -3.873+/-45.078 χ^2/NDF: 26.9/29

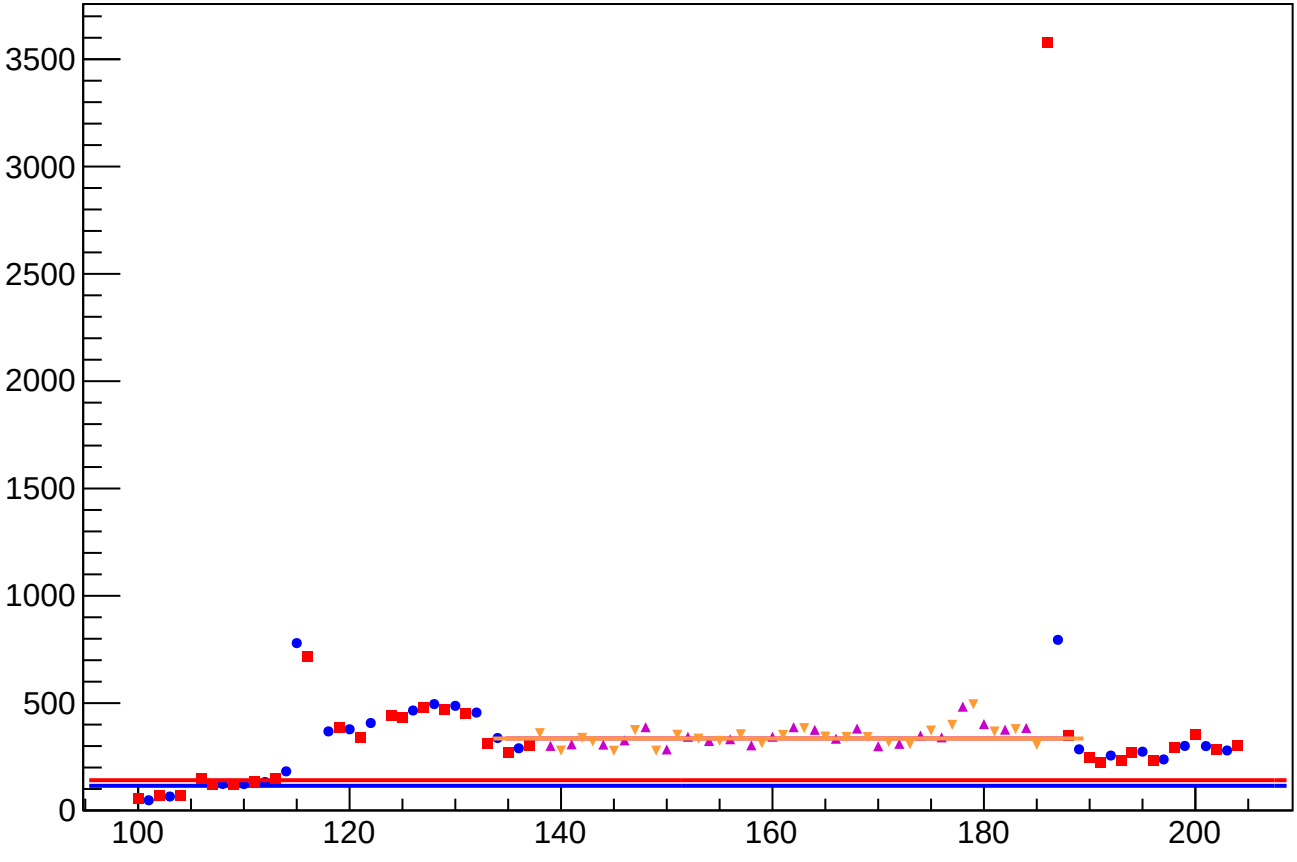
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -28.906+/-37.592 χ^2/NDF: 52.5/48

All: -20.722+/-27.125 χ^2/NDF: 110.7/101

- sign -11.834+/-39.178 χ^2/NDF: 58.1/52

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 114.865+/-0.030 χ^2/NDF: 11366085.7/23

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 140.926+/-0.032 χ^2/NDF: 10696798.9/29

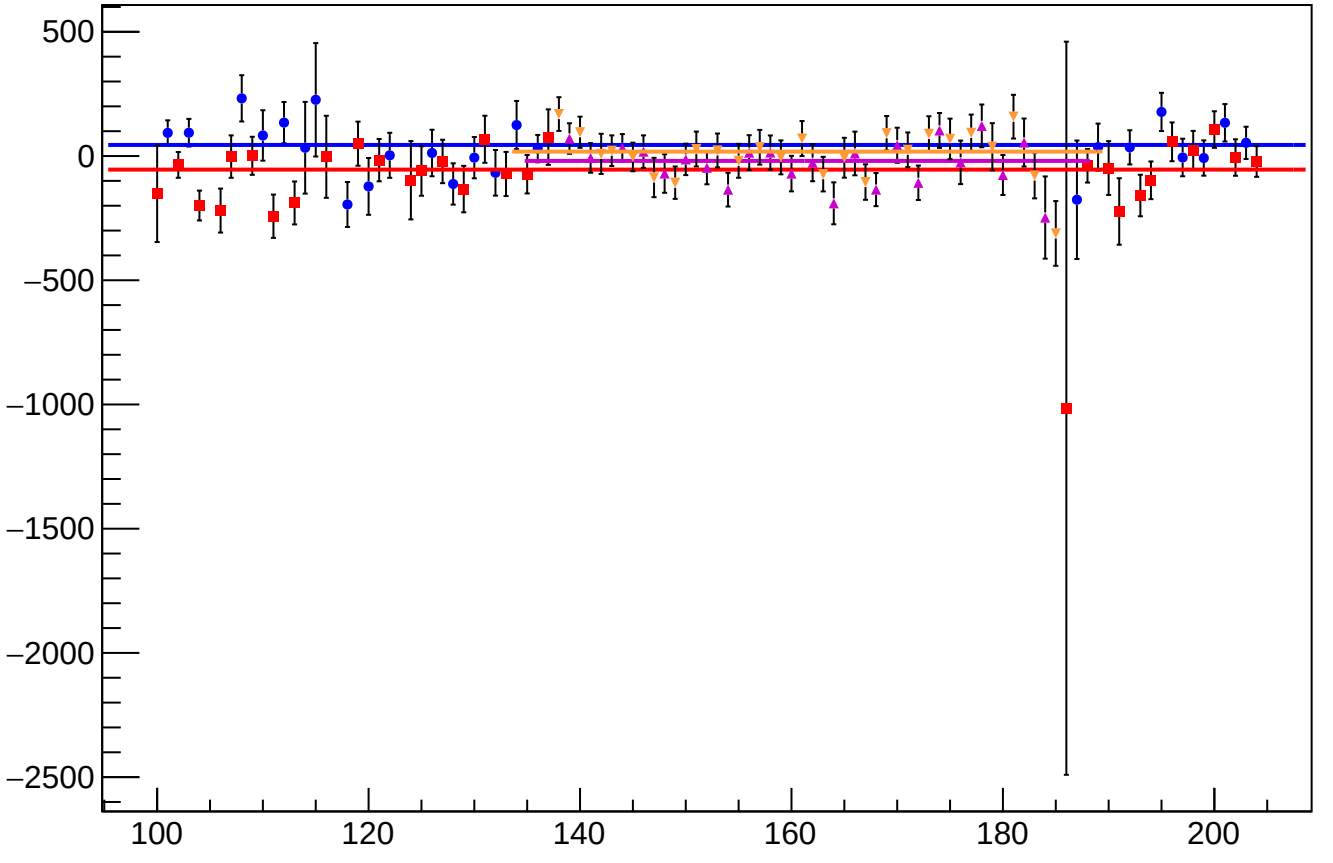
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 167.278+/-0.027 χ^2/NDF: 24391346.1/48

All: 177.466+/-0.019 χ^2/NDF: 45008064.0/10

- sign 188.532+/-0.028 χ^2/NDF: 20310256.6/52

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 44.638+/-16.447 χ^2/NDF: 29.7/23

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -54.639+/-15.442 χ^2/NDF: 35.9/29

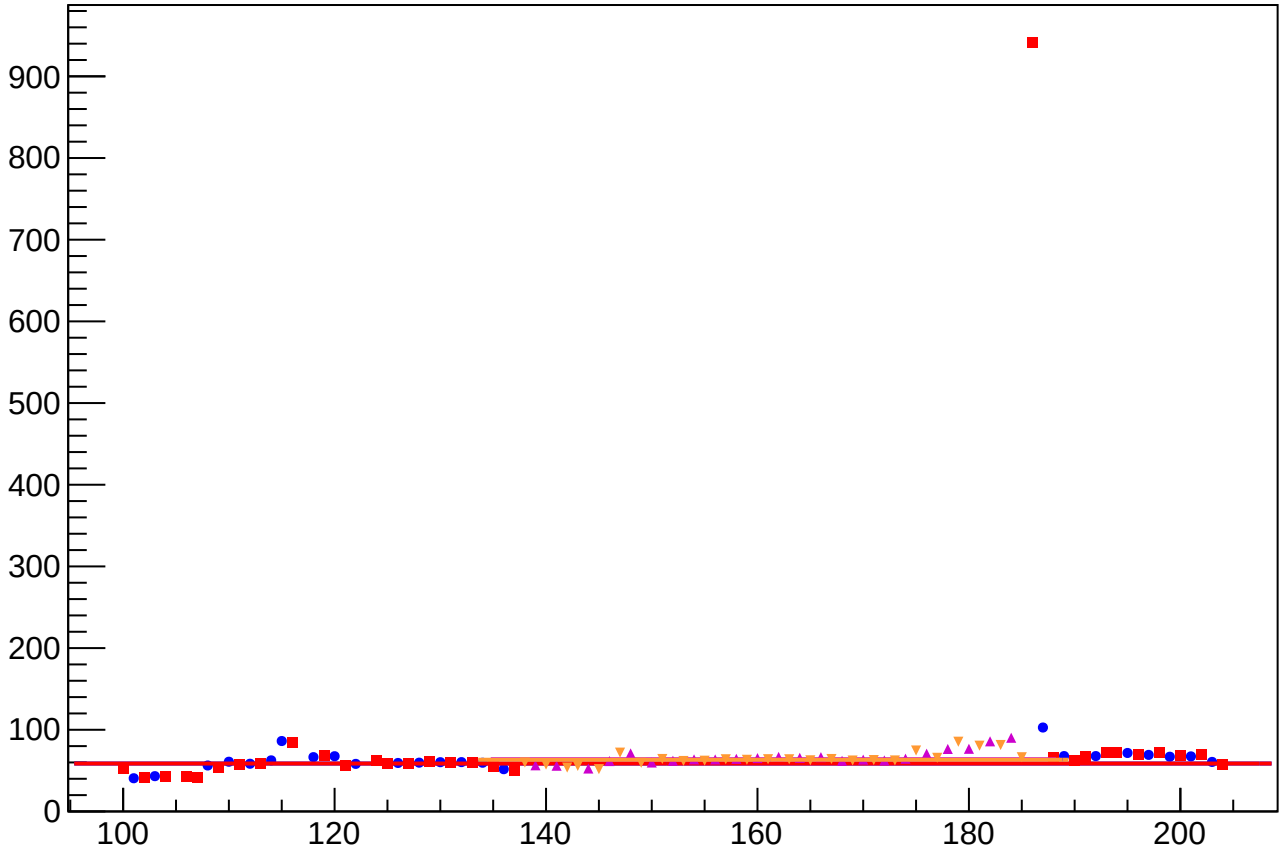
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 29.535+/-10.875 χ^2/NDF: 62.7/48

All: -3.878+/-7.654 χ^2/NDF: 146.2/101

- sign -36.679+/-10.774 χ^2/NDF: 64.8/52

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 58.673+/-0.012 χ^2/NDF: 776406.4/23

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.666+/-0.011 χ^2/NDF: 1648026.6/29

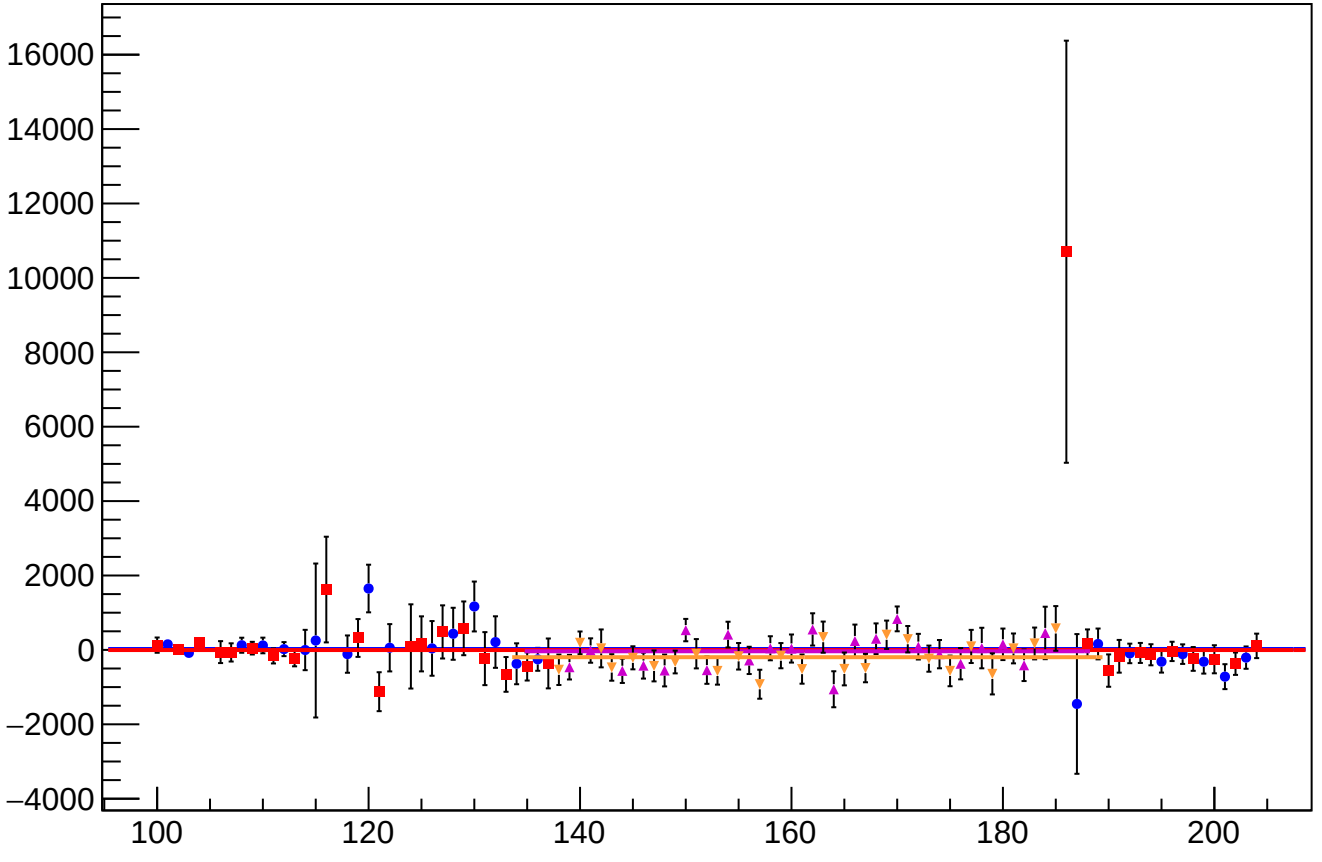
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.284+/-0.008 χ^2/NDF: 1363402.3/48

All: 61.323+/-0.005 χ^2/NDF: 3575539.5/101

- sign 61.361+/-0.008 χ^2/NDF: 2212086.7/52

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: 23.209+/-43.059 χ^2/NDF: 25.7/23

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -3.873+/-45.078 χ^2/NDF: 26.9/29

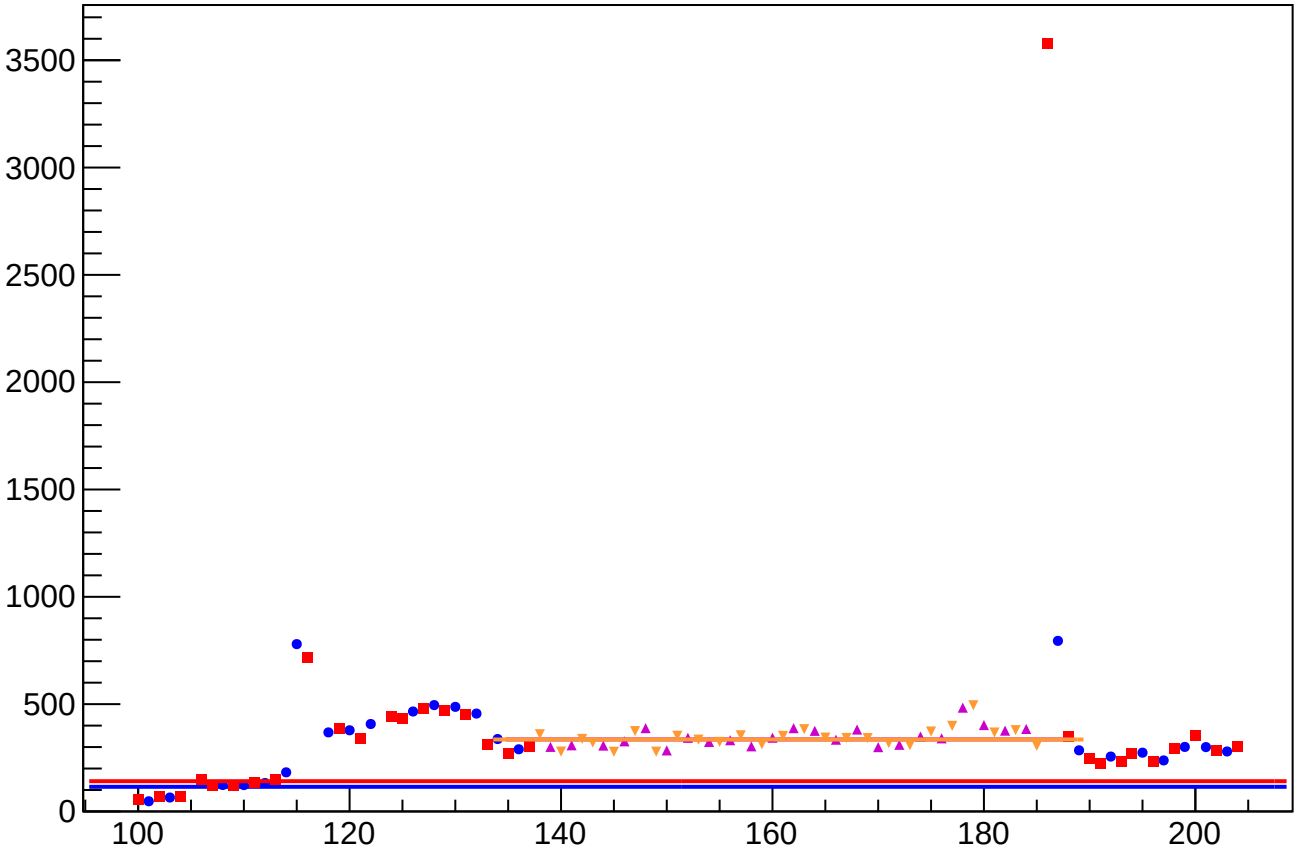
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -28.906+/-37.592 χ^2/NDF: 52.5/48

All: -20.722+/-27.125 χ^2/NDF: 110.7/101

- sign -11.834+/-39.178 χ^2/NDF: 58.1/52

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 114.865+/-0.030 χ^2/NDF: 11366085.7/23

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 140.926+/-0.032 χ^2/NDF: 10696798.9/29

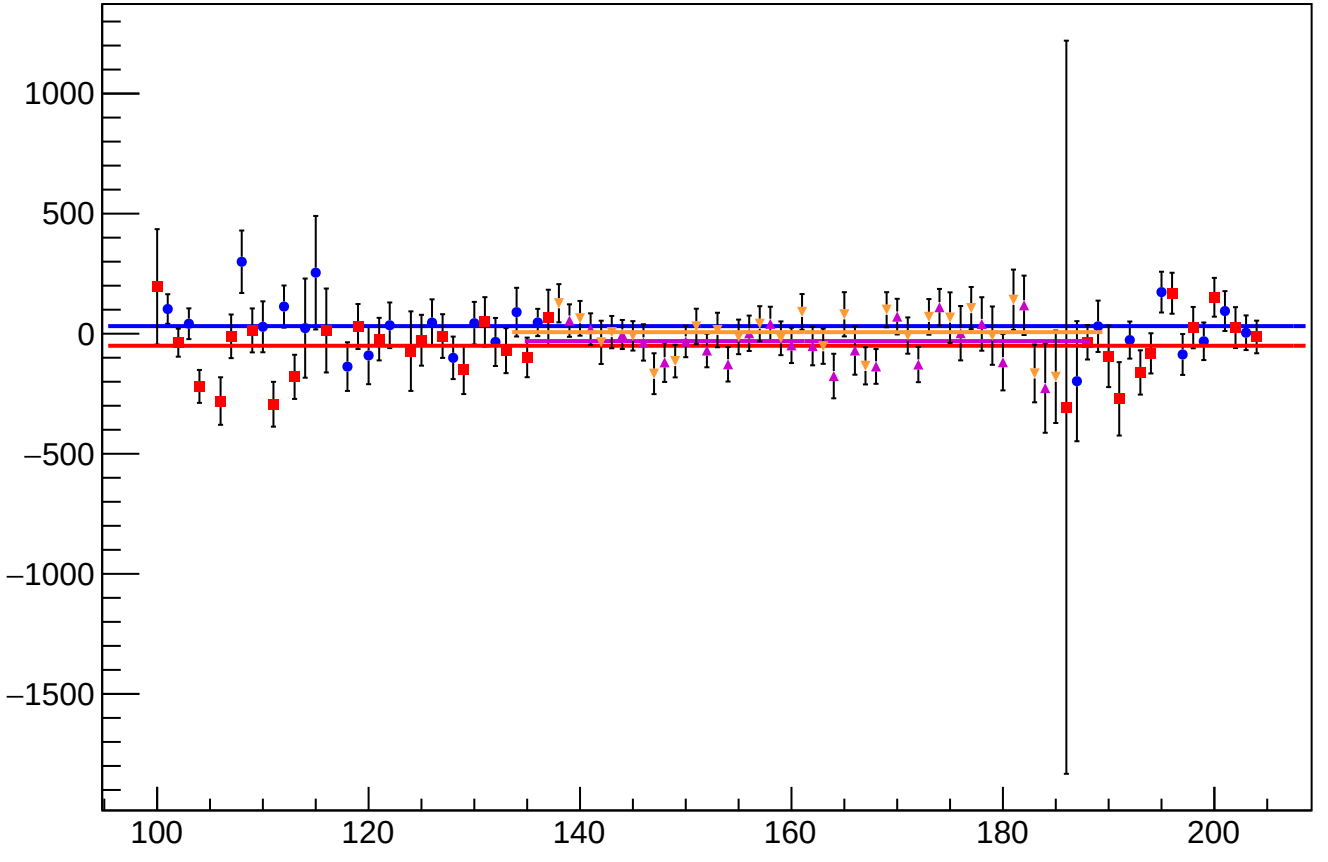
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 167.278+/-0.027 χ^2/NDF: 24391346.1/48

All: 177.466+/-0.019 χ^2/NDF: 45008064.0/10

- sign 188.532+/-0.028 χ^2/NDF: 20310256.6/52

dit_asym_sam_15_avg_mean vs Slug



Right In: 31.588+/-18.192 χ^2/NDF: 21.8/23

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -50.220+/-16.934 χ^2/NDF: 45.2/29

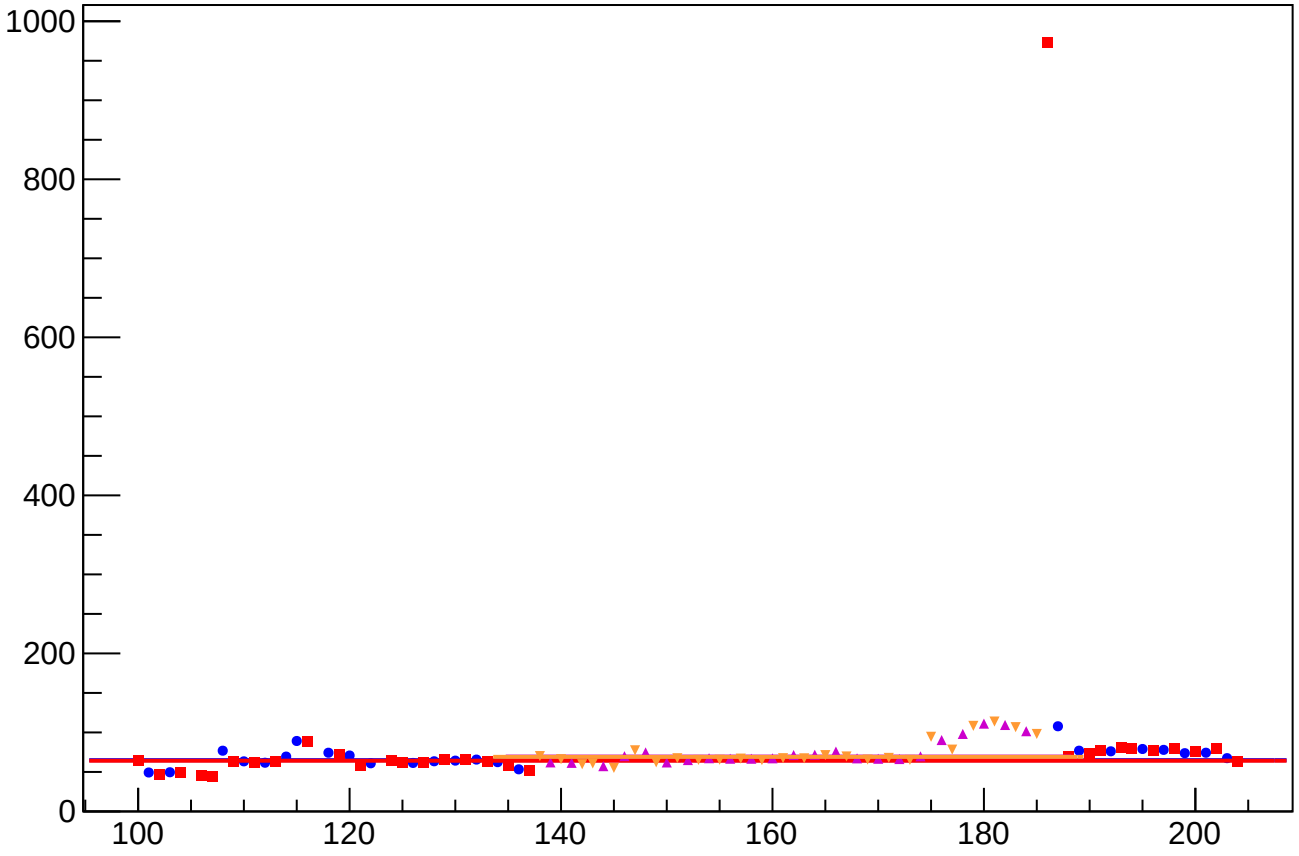
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.407+/-12.005 χ^2/NDF: 47.9/48

All: -11.840+/-8.422 χ^2/NDF: 127.9/101

- sign -40.189+/-11.819 χ^2/NDF: 68.3/52

dit_asym_sam_15_avg_rms vs Slug



Right In: 64.920+/-0.013 χ^2/NDF: 680891.3/23

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 64.213+/-0.012 χ^2/NDF: 1633480.0/29

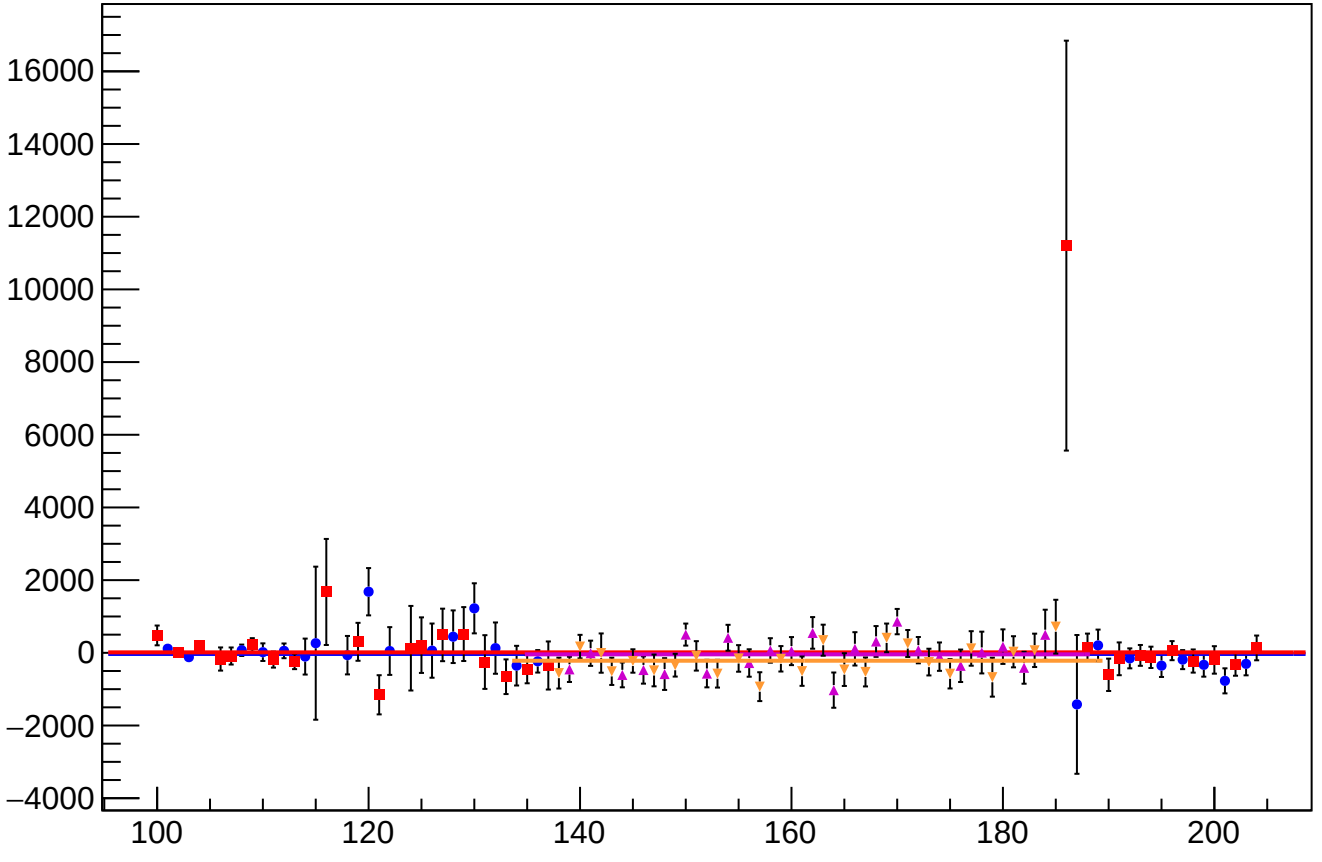
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 67.267+/-0.008 χ^2/NDF: 1813902.2/48

All: 67.077+/-0.006 χ^2/NDF: 4470561.7/101

- sign 66.892+/-0.008 χ^2/NDF: 2655666.6/52

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -31.203+/-48.800 χ^2/NDF: 24.2/23

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 12.876+/-47.431 χ^2/NDF: 30.5/29

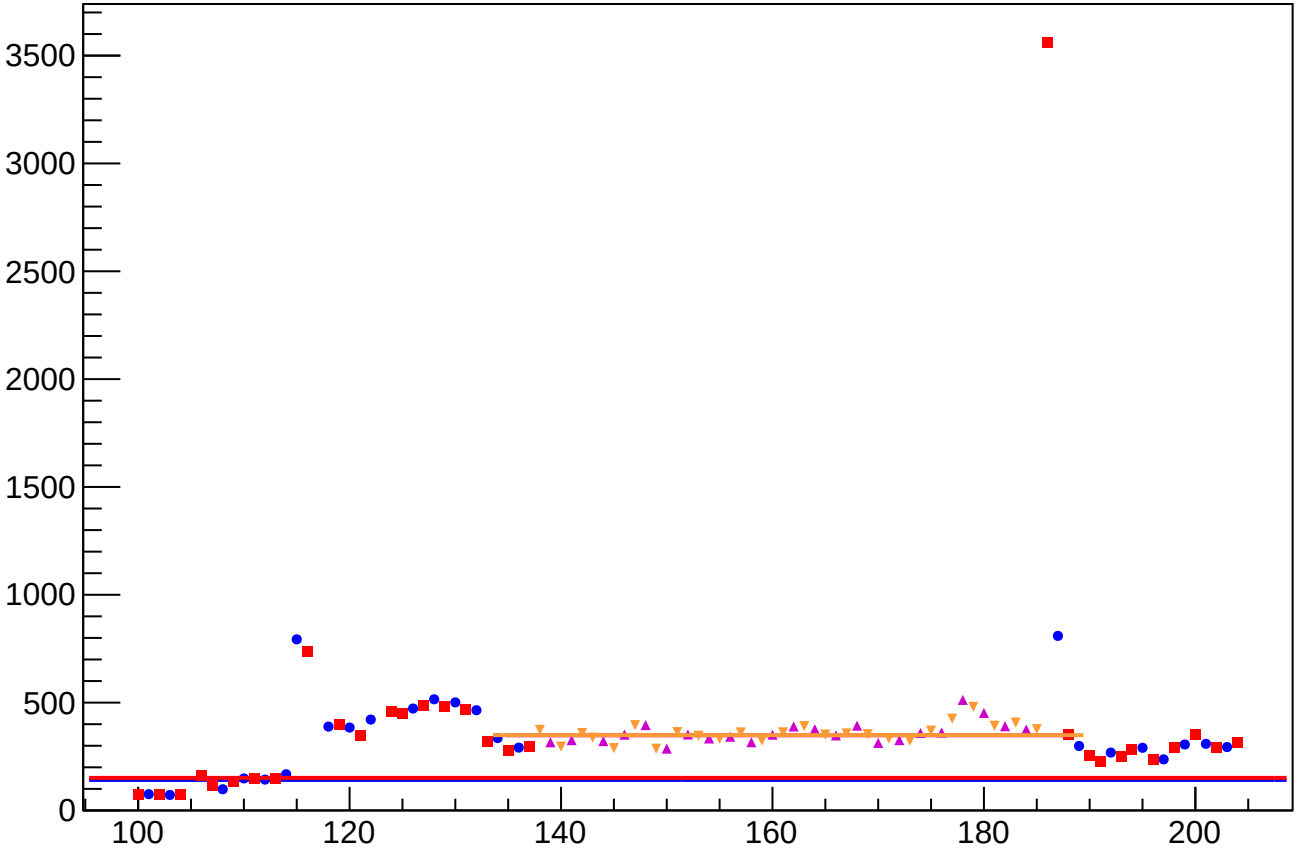
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -81.561+/-41.679 χ^2/NDF: 47.5/48

All: -40.552+/-29.261 χ^2/NDF: 110.2/101

- sign -0.696+/-41.089 χ^2/NDF: 60.8/52

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 141.693+/-0.035 χ^2/NDF: 9285657.1/23

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

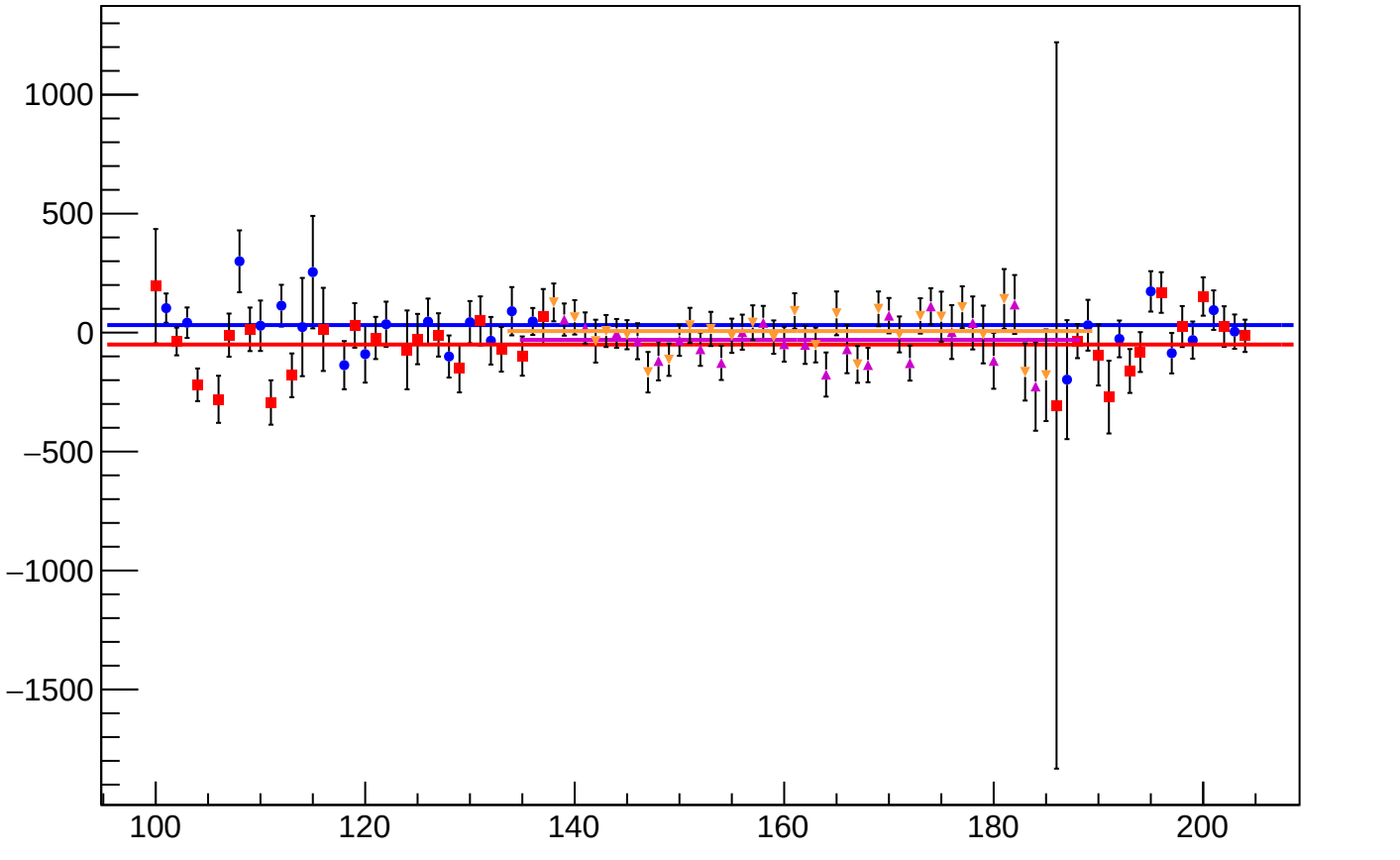
Right Out: 150.997+/-0.034 χ^2/NDF: 10145817.9/29

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 197.823+/-0.029 χ^2/NDF: 19590675.2/48

All: 199.077+/-0.021 χ^2/NDF: 38924180.4/10

- sign 200.295+/-0.029 χ^2/NDF: 19329938.6/52



Right In: 31.588+/-18.192 χ^2/NDF: 21.8/23

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -50.220+/-16.934 χ^2/NDF: 45.2/29

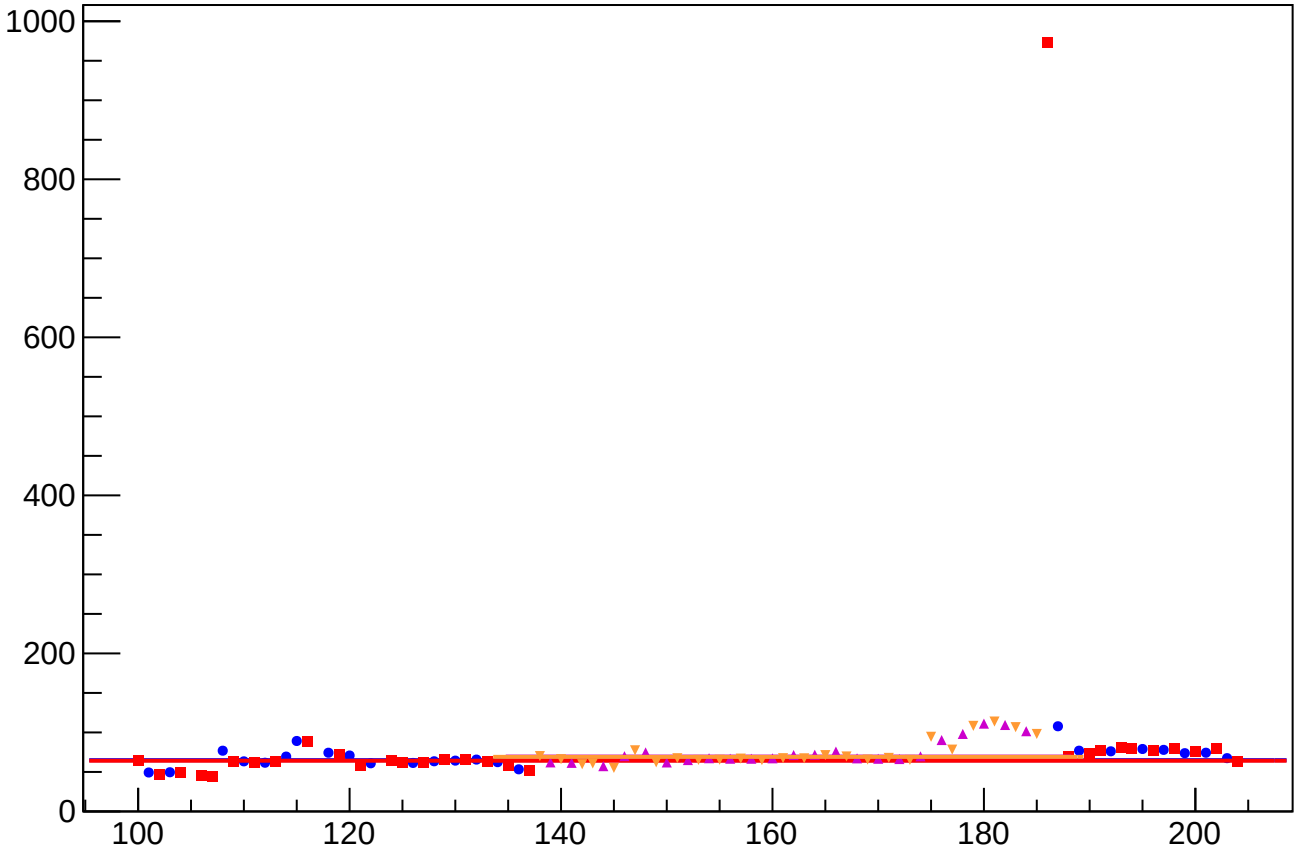
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.408+/-12.005 χ^2/NDF: 47.9/48

All: -11.840+/-8.422 χ^2/NDF: 127.9/101

- sign -40.189+/-11.819 χ^2/NDF: 68.3/52

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 64.920+/-0.013 χ^2/NDF: 680891.6/23

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 64.213+/-0.012 χ^2/NDF: 1633480.1/29

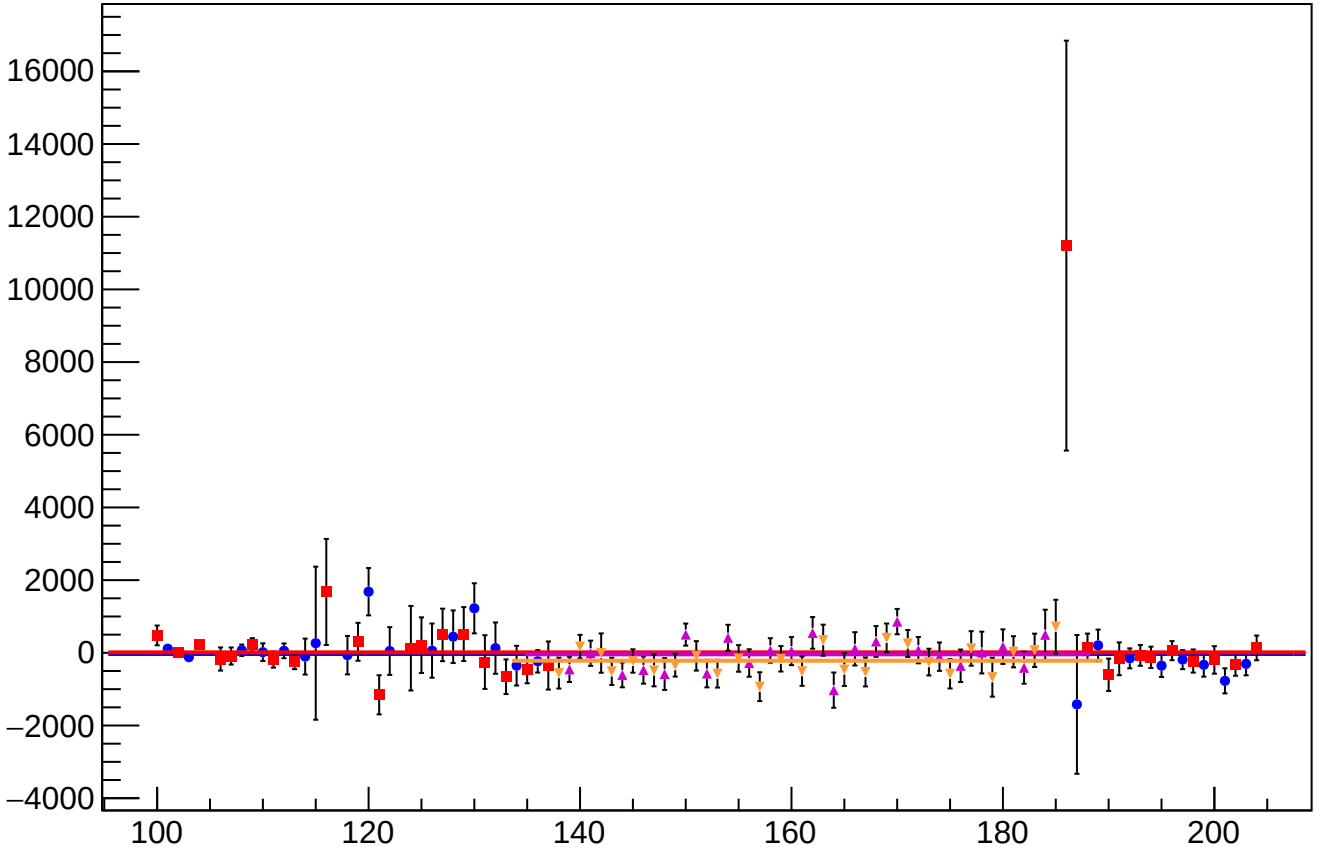
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 67.267+/-0.008 χ^2/NDF: 1813889.0/48

All: 67.077+/-0.006 χ^2/NDF: 4470540.4/101

- sign 66.892+/-0.008 χ^2/NDF: 2655658.6/52

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: -31.203+/-48.800 χ^2/NDF: 24.2/23

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: 12.876+/-47.431 χ^2/NDF: 30.5/29

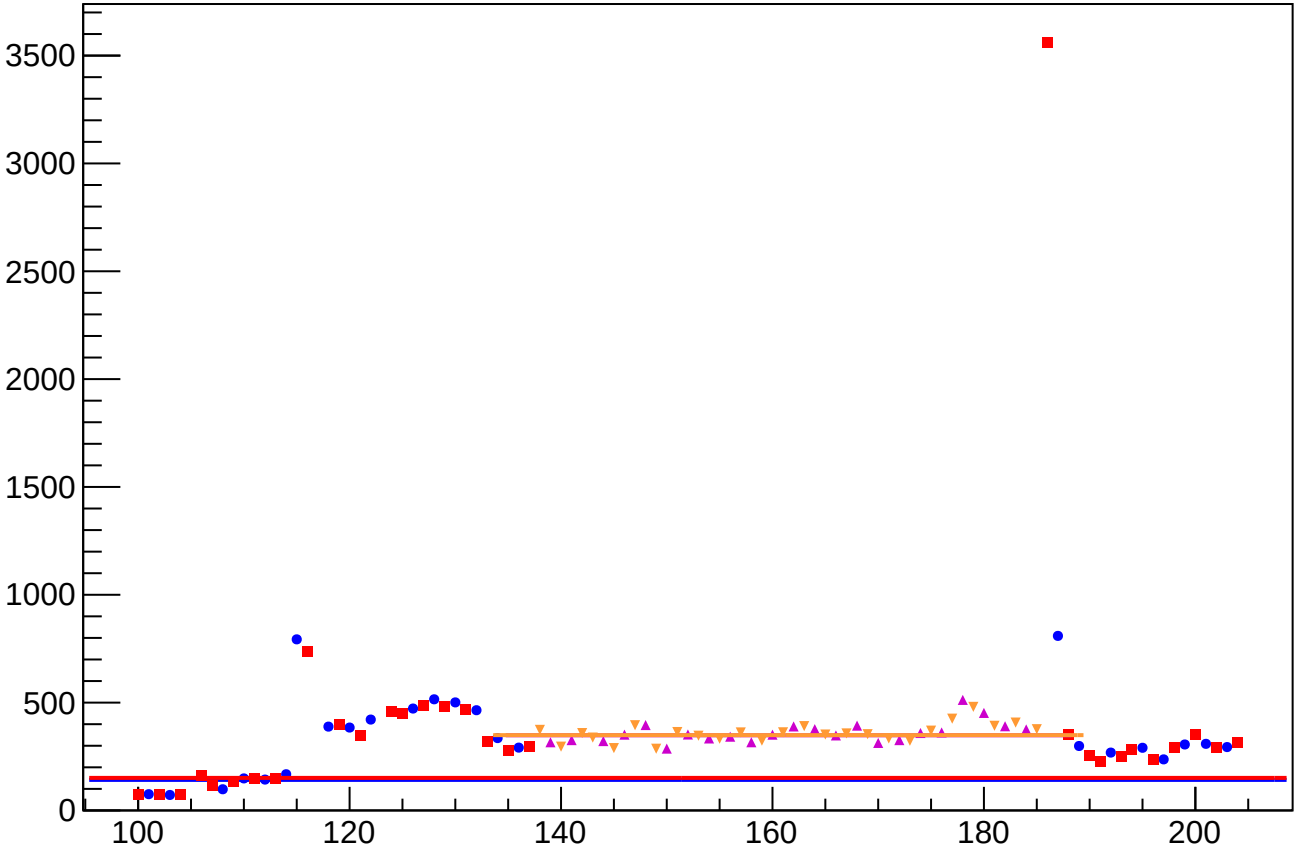
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -81.560+/-41.679 χ^2/NDF: 47.5/48

All: -40.552+/-29.261 χ^2/NDF: 110.2/101

- sign -0.695+/-41.089 χ^2/NDF: 60.8/52

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 141.693+/-0.035 χ^2/NDF: 9285673.3/23

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 150.997+/-0.034 χ^2/NDF: 10145863.7/29

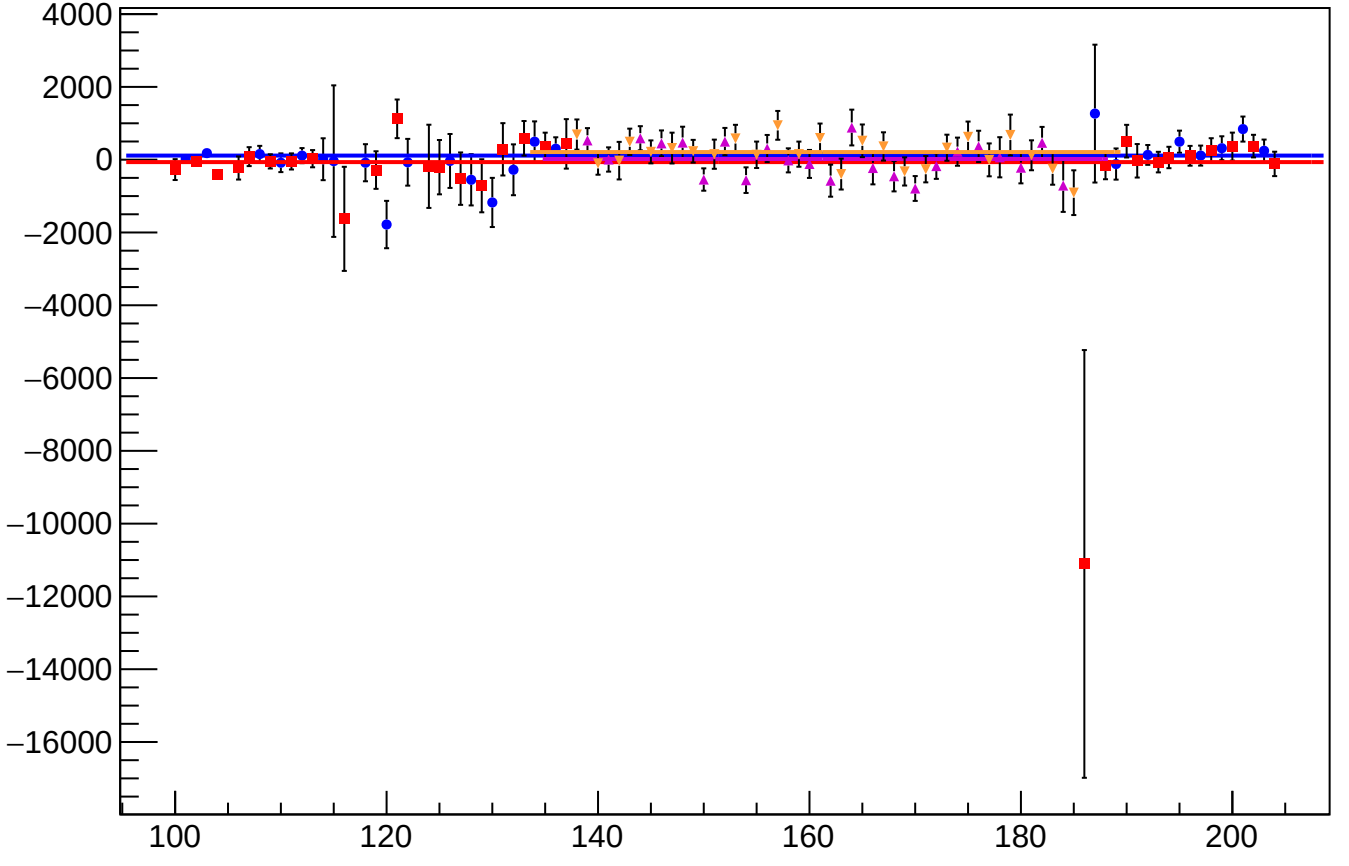
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 197.823+/-0.029 χ^2/NDF: 19590748.1/48

All: 199.076+/-0.021 χ^2/NDF: 38924369.2/10

- sign 200.295+/-0.029 χ^2/NDF: 19330054.9/52

asym_sam_15_avg_mean vs Slug



Right In: 112.679+/-52.910 χ^2/NDF: 23.7/23

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -66.282+/-50.797 χ^2/NDF: 32.1/29

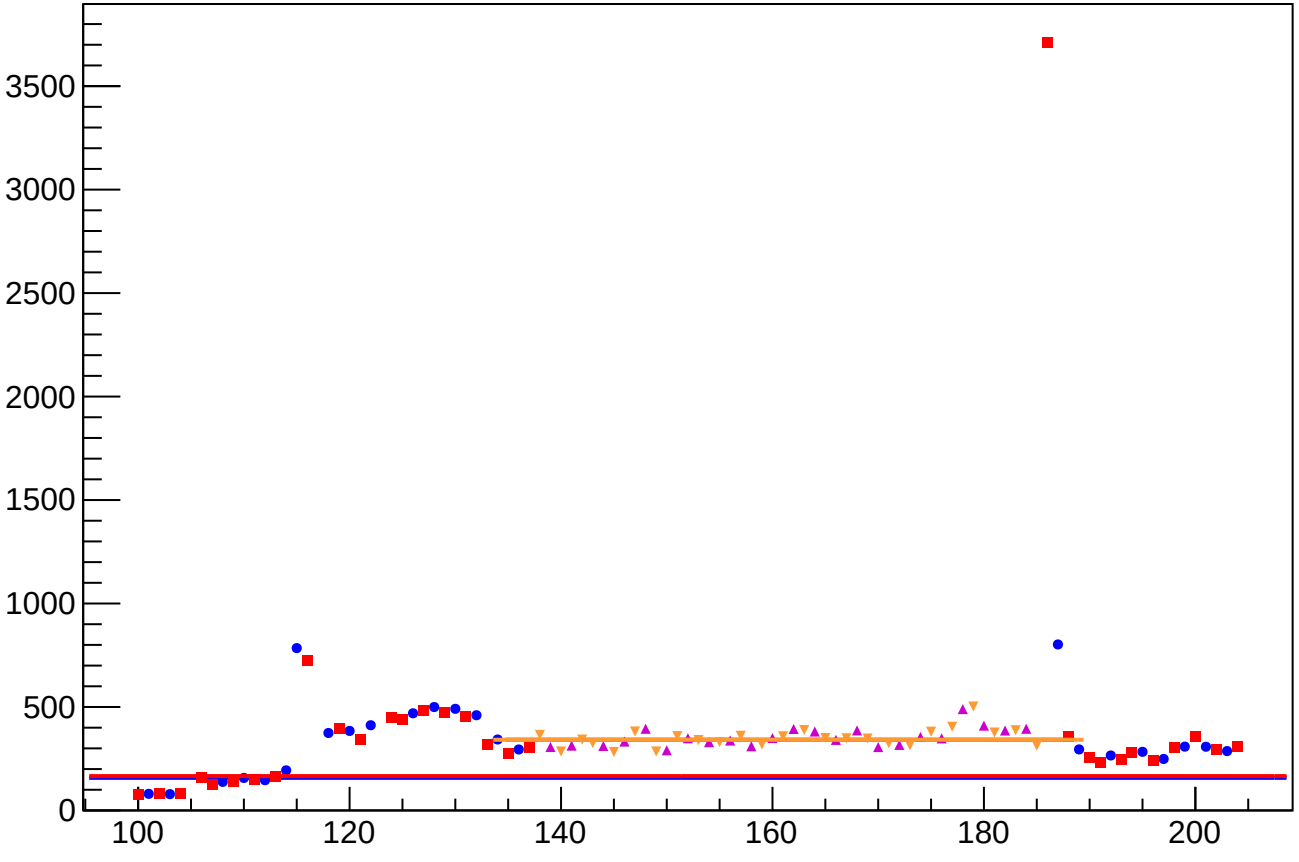
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 143.017+/-43.876 χ^2/NDF: 46.1/48

All: 48.540+/-30.707 χ^2/NDF: 120.1/101

- sign -42.155+/-42.989 χ^2/NDF: 64.9/52

asym_sam_15_avg_rms vs Slug



Right In: 157.625+/-0.037 χ^2/NDF: 8257359.0/23

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

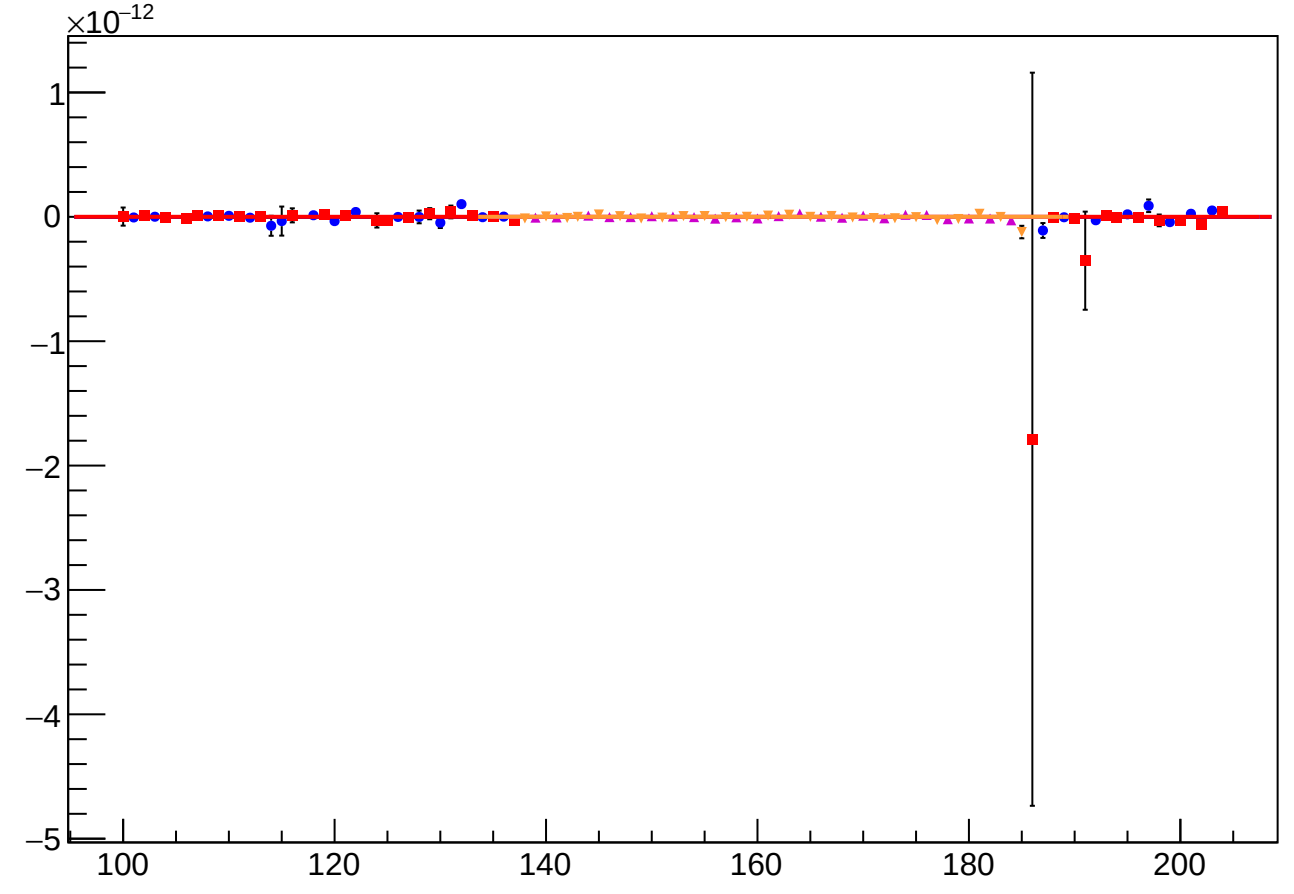
Right Out: 166.049+/-0.036 χ^2/NDF: 8969199.6/29

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 215.078+/-0.031 χ^2/NDF: 16362586.1/48

All: 215.530+/-0.022 χ^2/NDF: 32622894.1/10

- sign 215.964+/-0.030 χ^2/NDF: 16259892.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 33.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

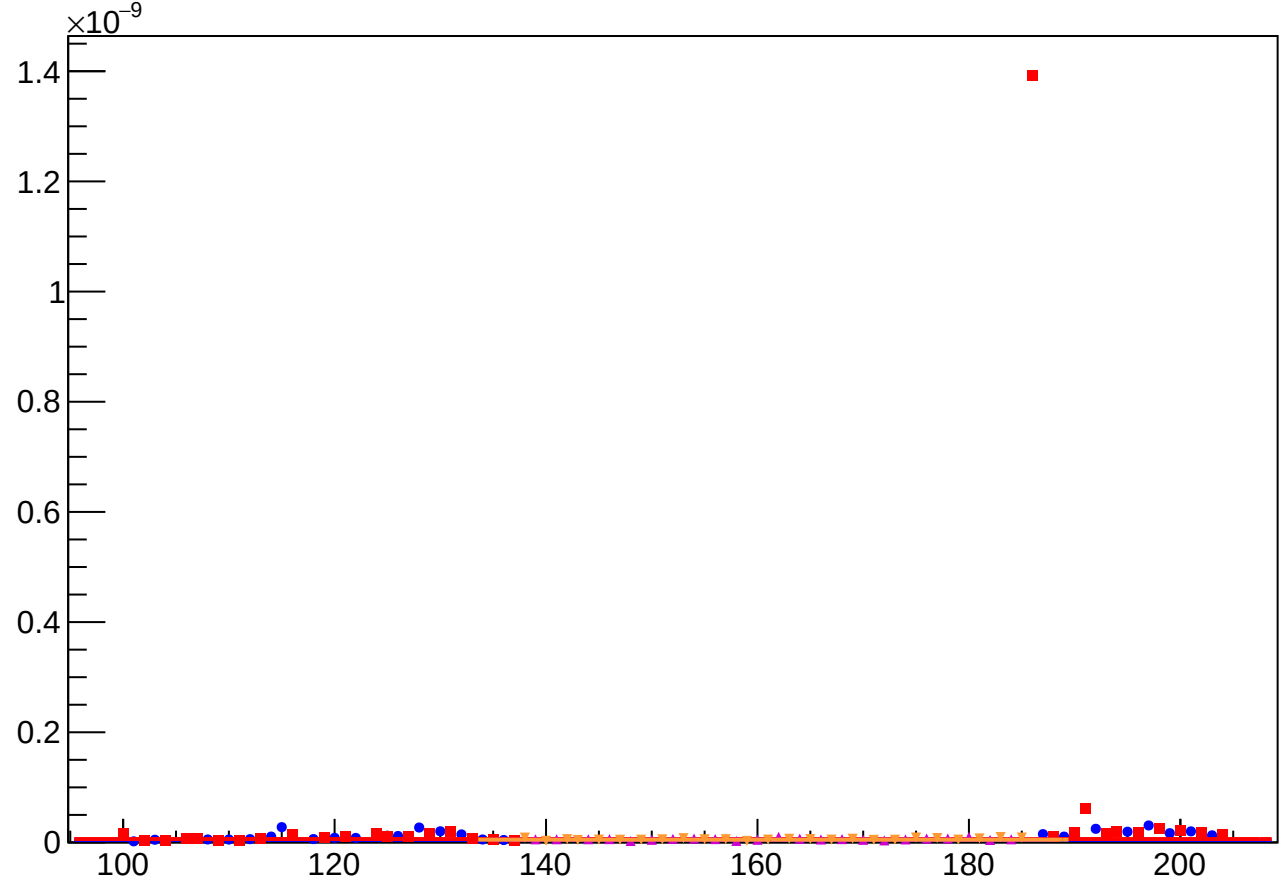
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/29

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.6/48

All: -0.000+/-0.000 χ^2/NDF: 104.6/101

- sign -0.000+/-0.000 χ^2/NDF: 41.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 5296350.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4670513.8/29

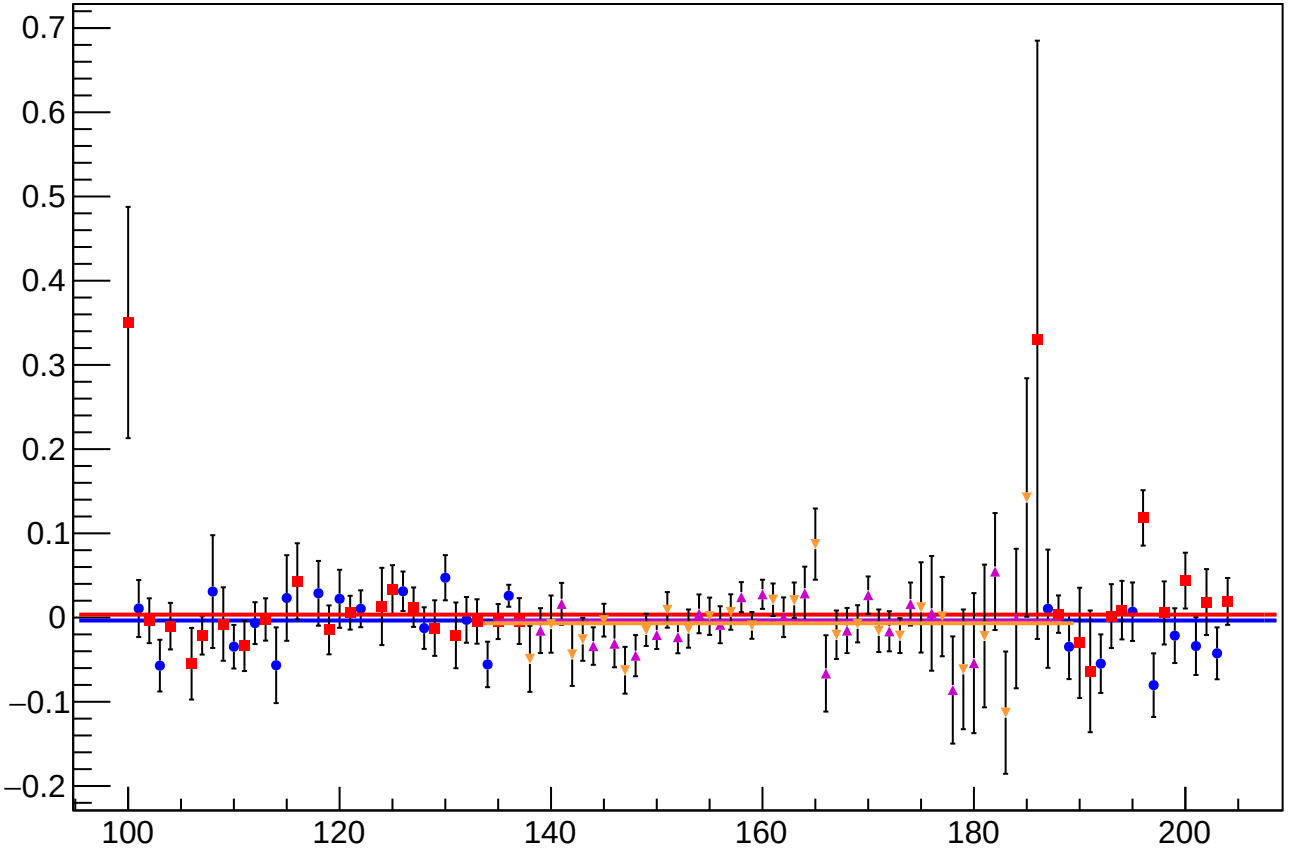
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6680614.2/48

All: 0.000+/-0.000 χ^2/NDF: 12924251.4/101

- sign 0.000+/-0.000 χ^2/NDF: 6108512.6/52

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.006 χ^2/NDF: 32.8/23

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 30.9/29

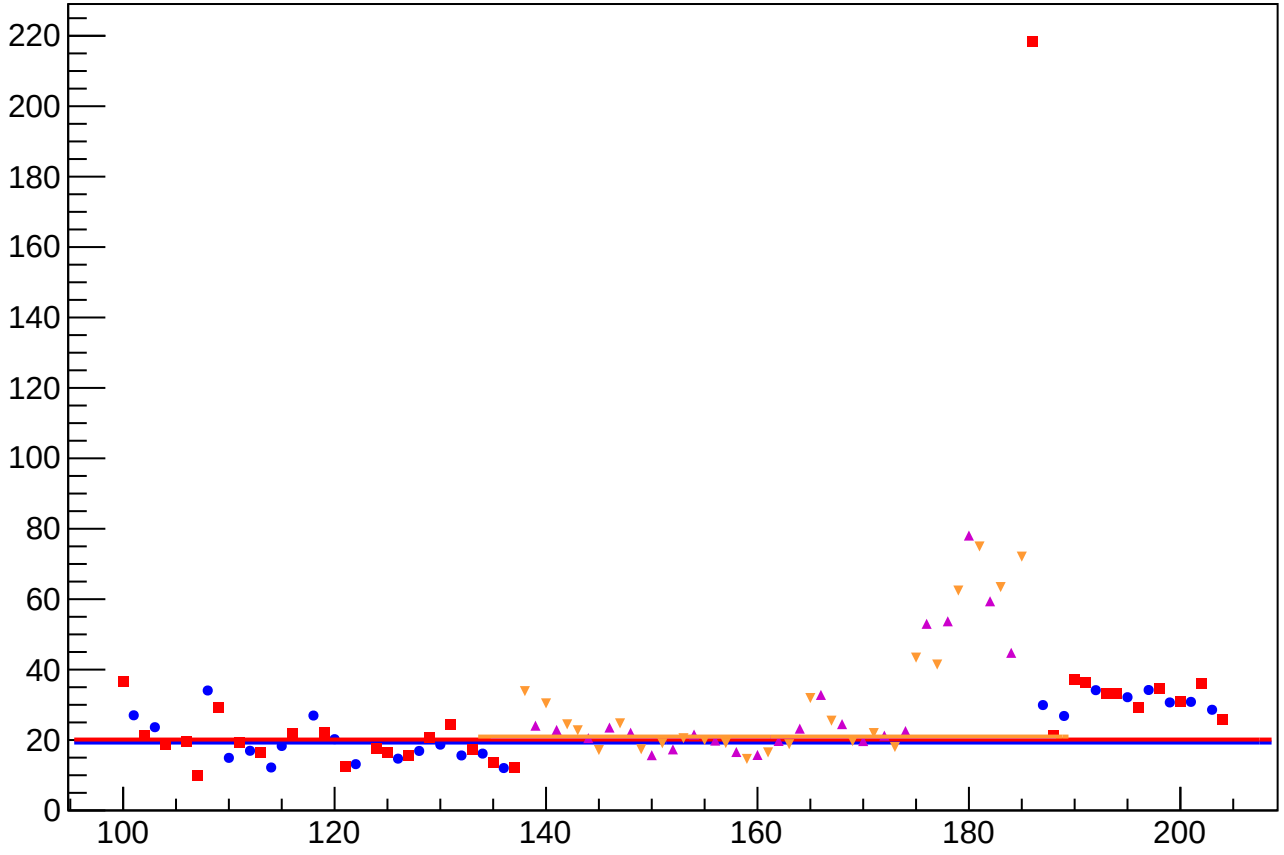
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.005+/-0.004 χ^2/NDF: 54.7/48

All: -0.003+/-0.003 χ^2/NDF: 110.5/101

- sign -0.001+/-0.004 χ^2/NDF: 55.0/52

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 19.282+/-0.004 χ^2/NDF: 3111748.6/23

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 20.135+/-0.004 χ^2/NDF: 3837043.7/29

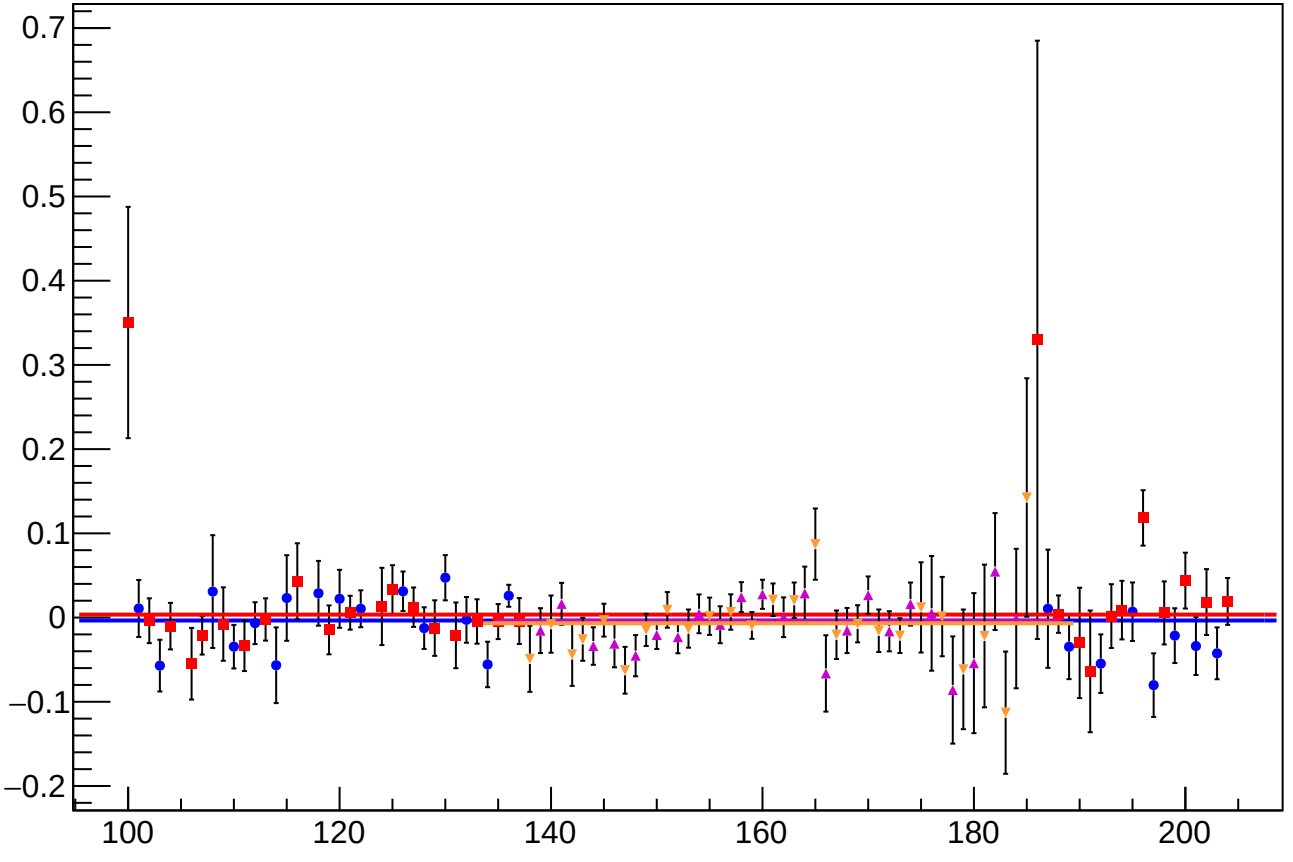
Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 20.229+/-0.003 χ^2/NDF: 7673087.1/48

All: 20.379+/-0.002 χ^2/NDF: 15068742.7/101

- sign 20.526+/-0.003 χ^2/NDF: 7389795.1/52

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003+/-0.006 χ^2/NDF: 32.8/23

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 30.9/29

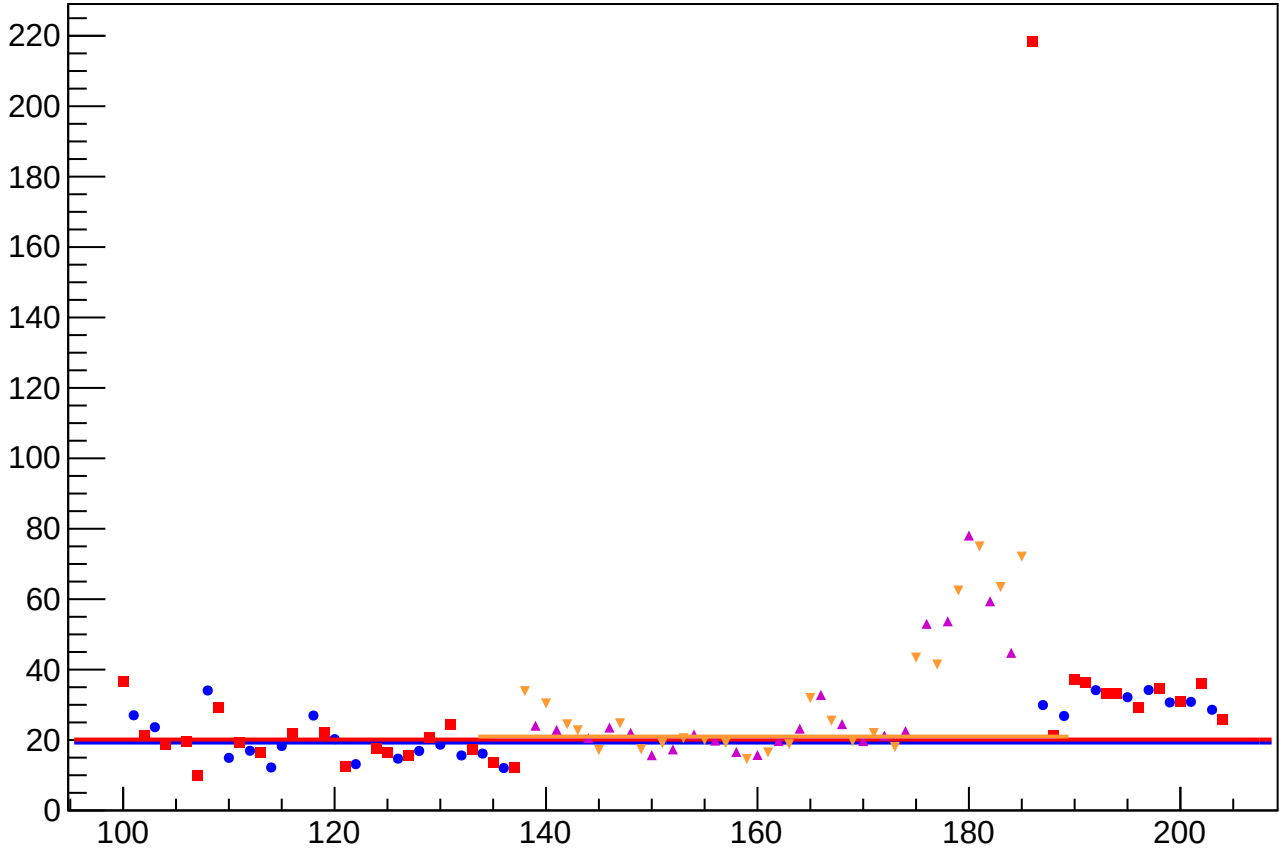
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.005+/-0.004 χ^2/NDF: 54.7/48

All: -0.003+/-0.003 χ^2/NDF: 110.5/101

- sign -0.001+/-0.004 χ^2/NDF: 55.0/52

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 19.282+/-0.004 χ^2/NDF: 3111748.6/23

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

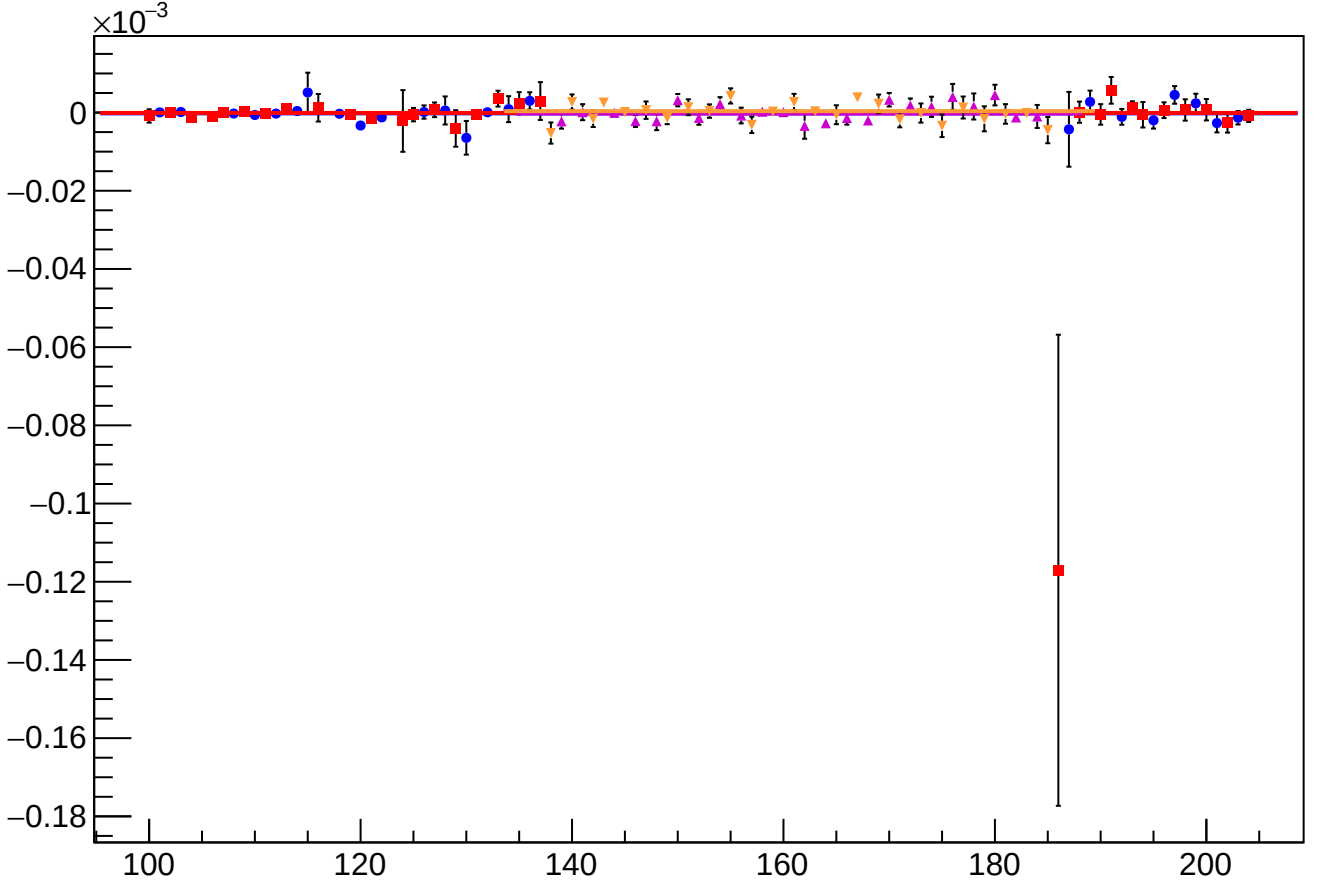
Right Out: 20.135+/-0.004 χ^2/NDF: 3837043.7/29

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 20.229+/-0.003 χ^2/NDF: 7673087.1/48

All: 20.379+/-0.002 χ^2/NDF: 15068742.7/101

- sign 20.526+/-0.003 χ^2/NDF: 7389795.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 23.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

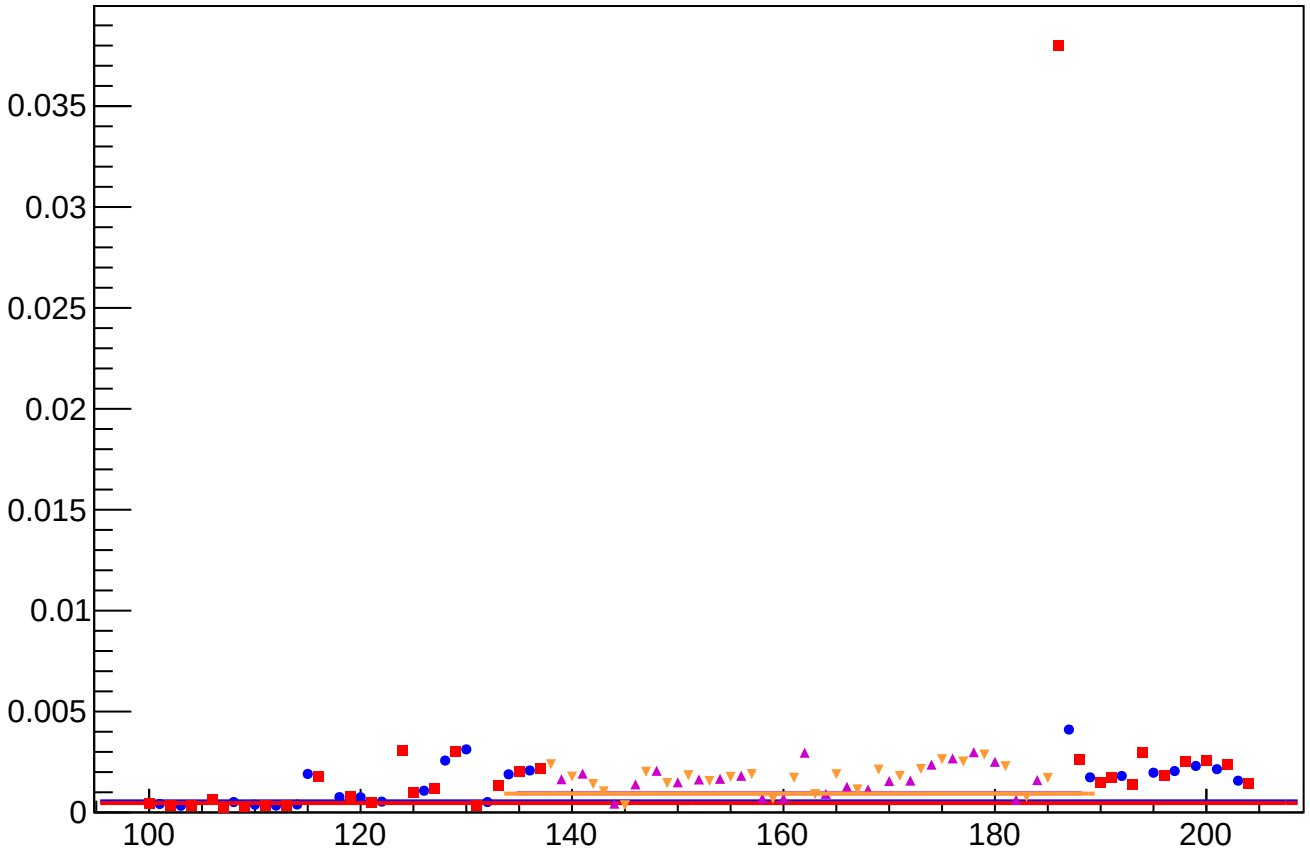
Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/29

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.8/48

All: -0.000+/-0.000 χ^2/NDF: 122.3/101

- sign -0.000+/-0.000 χ^2/NDF: 61.0/52



Right In: 0.001+/-0.000 χ^2/NDF: 10178872.8/23

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14044336.0/29

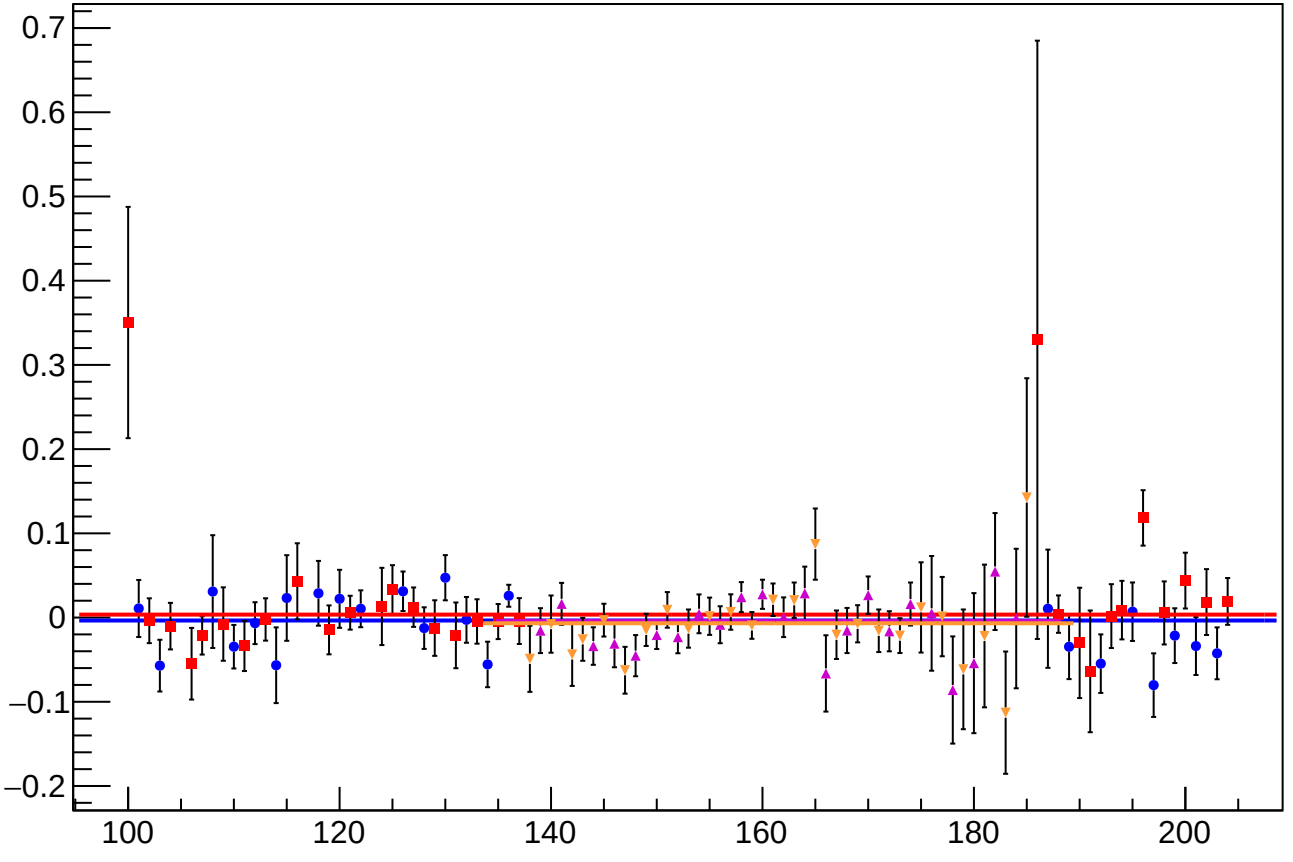
Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 24875563.3/48

All: 0.001+/-0.000 χ^2/NDF: 53508120.7/101

- sign 0.001+/-0.000 χ^2/NDF: 28296097.8/52

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.006 χ^2/NDF: 32.8/23

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 30.9/29

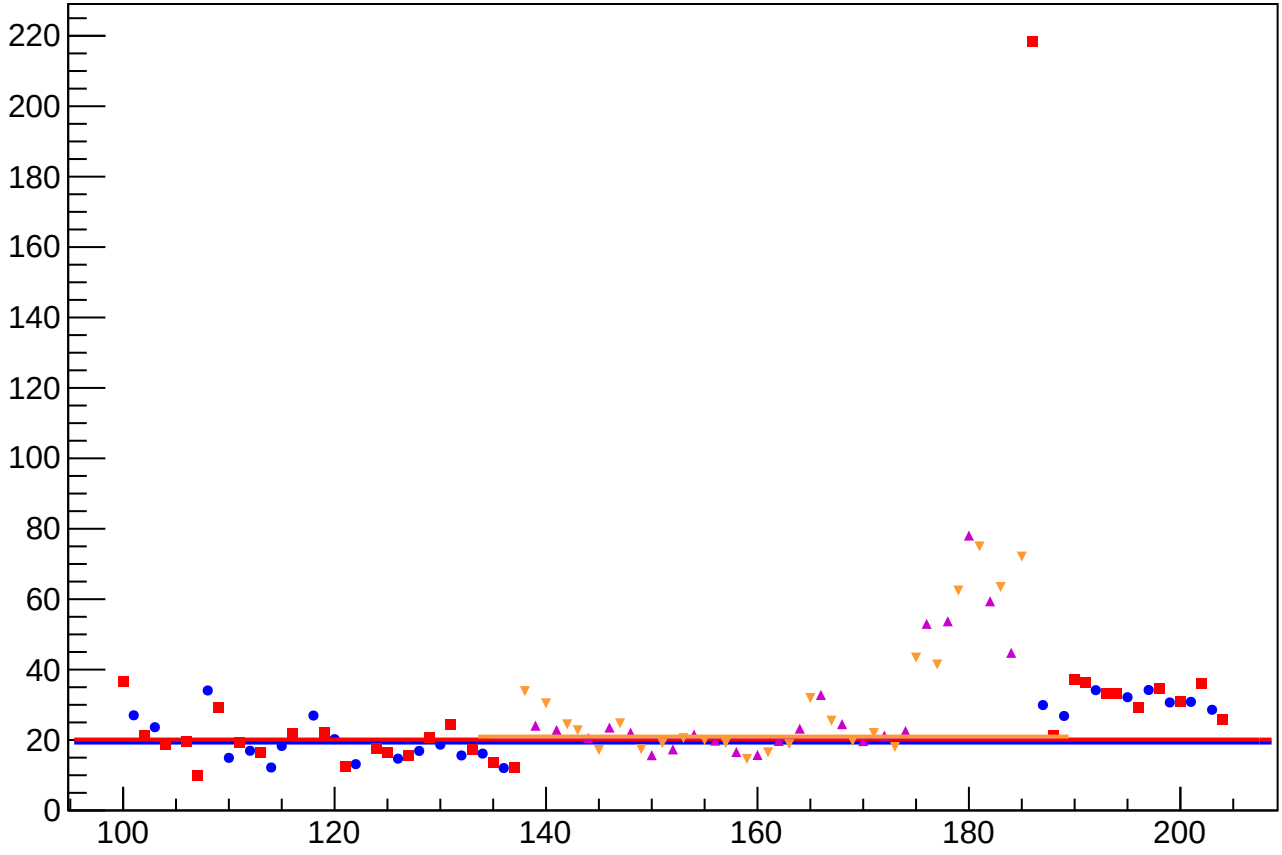
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.005+/-0.004 χ^2/NDF: 54.7/48

All: -0.003+/-0.003 χ^2/NDF: 110.5/101

- sign -0.001+/-0.004 χ^2/NDF: 55.0/52

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 19.281+/-0.004 χ^2/NDF: 3111775.4/23

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

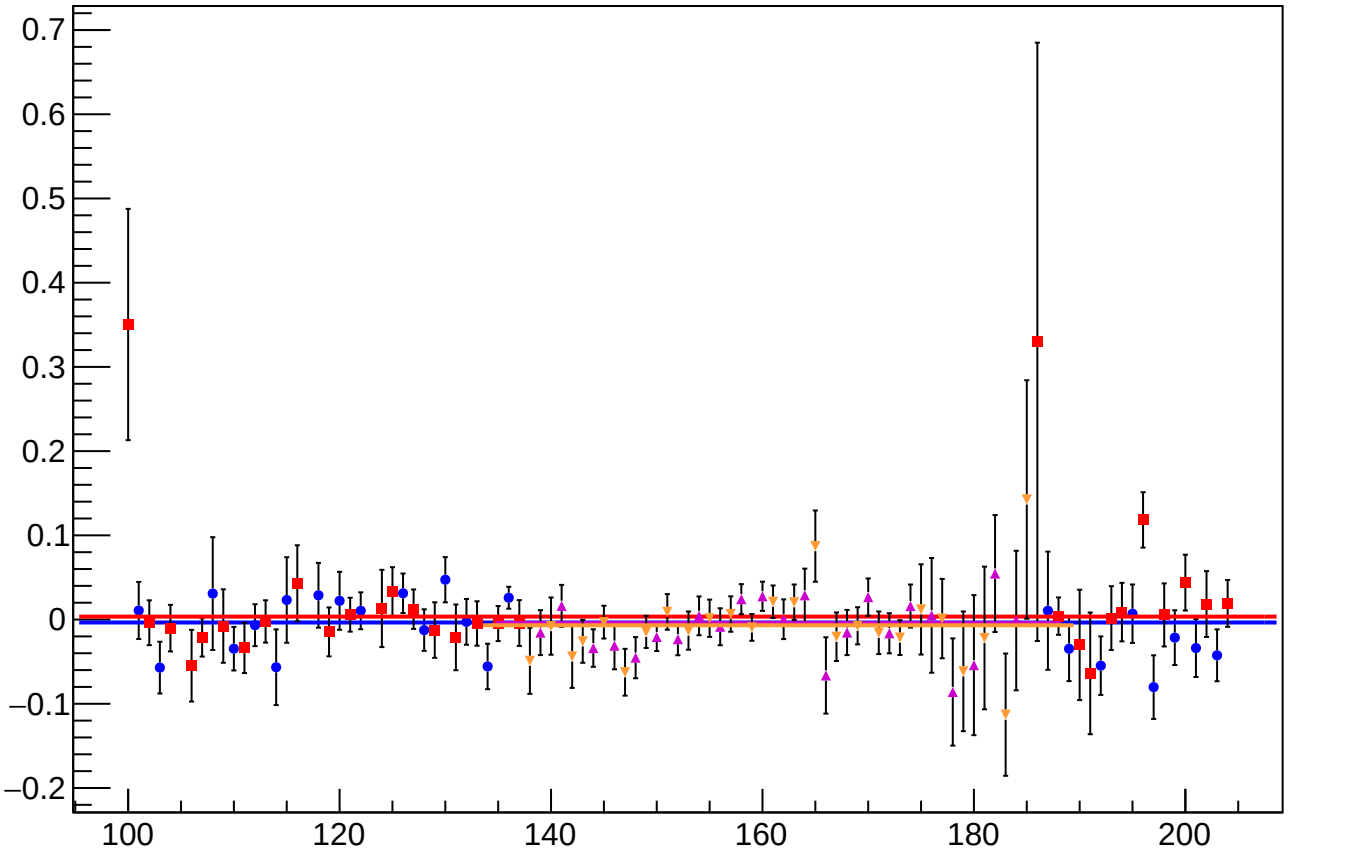
Right Out: 20.135+/-0.004 χ^2/NDF: 3837080.0/29

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.229+/-0.003 χ^2/NDF: 7673122.8/48

All: 20.379+/-0.002 χ^2/NDF: 15068873.4/101

- sign 20.526+/-0.003 χ^2/NDF: 7389892.8/52



Right In: -0.003+/-0.006 χ^2/NDF: 32.8/23

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

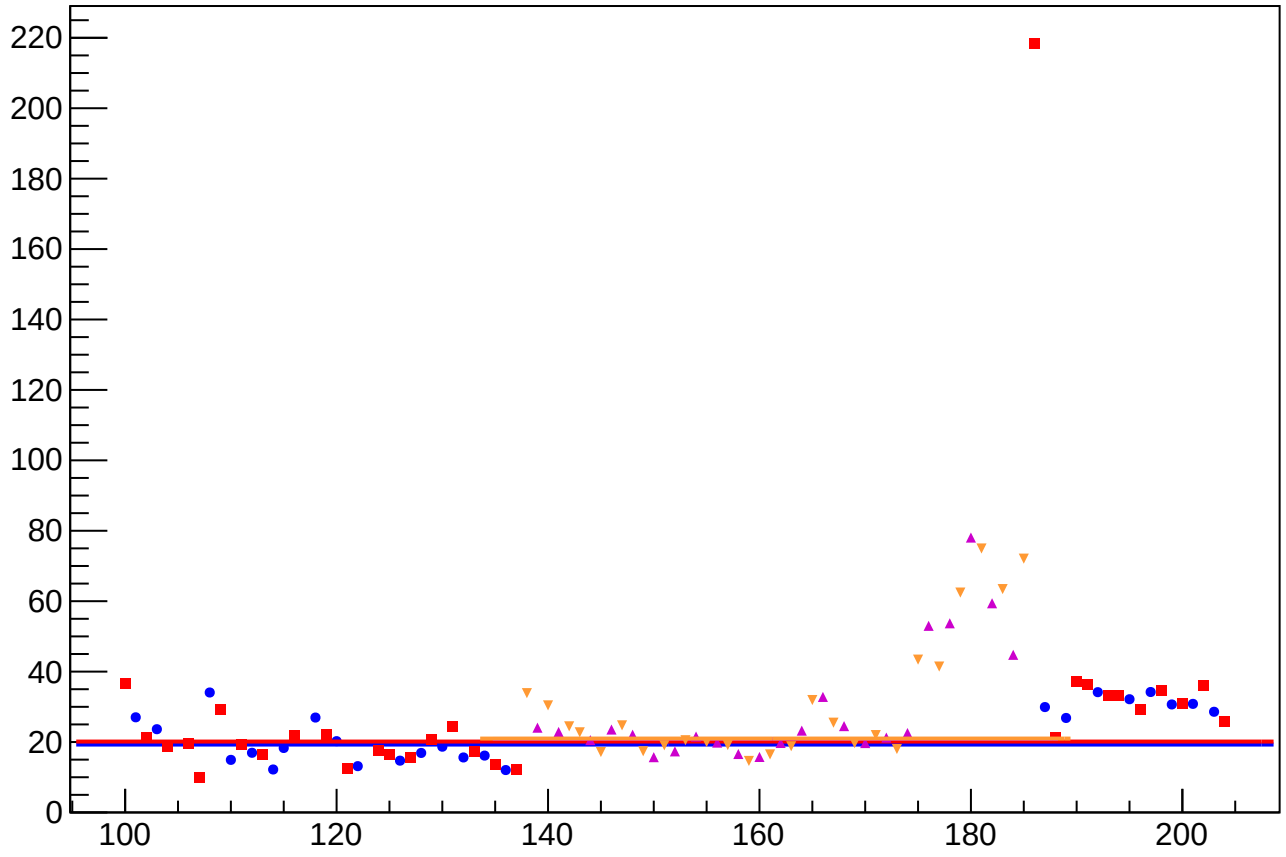
Right Out: 0.003+/-0.006 χ^2/NDF: 30.9/29

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.005+/-0.004 χ^2/NDF: 54.7/48

All: -0.003+/-0.003 χ^2/NDF: 110.5/101

- sign -0.001+/-0.004 χ^2/NDF: 55.0/52



Right In: 19.281+/-0.004 χ^2/NDF: 3111775.4/23

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

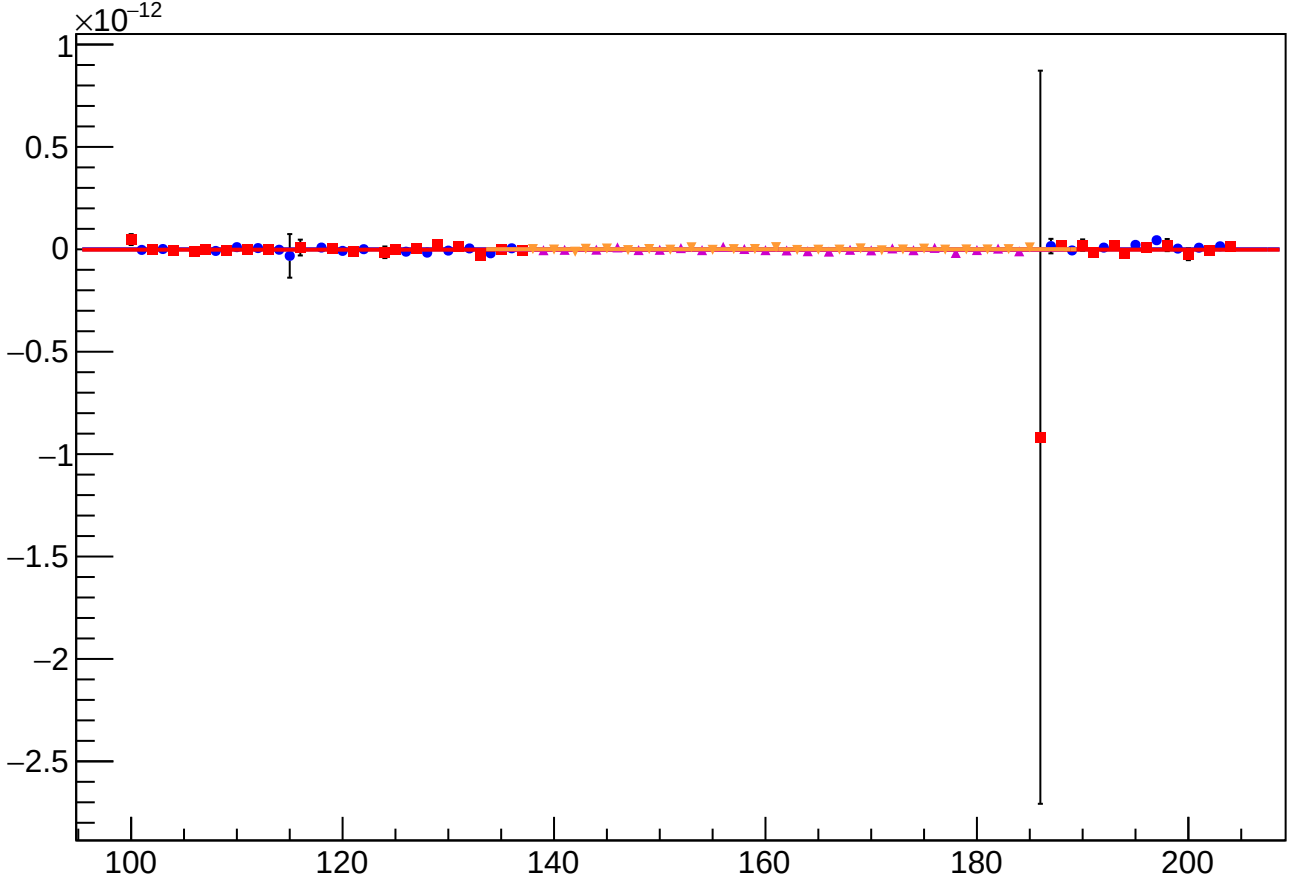
Right Out: 20.135+/-0.004 χ^2/NDF: 3837080.0/29

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.229+/-0.003 χ^2/NDF: 7673122.8/48

All: 20.379+/-0.002 χ^2/NDF: 15068873.4/101

- sign 20.526+/-0.003 χ^2/NDF: 7389892.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

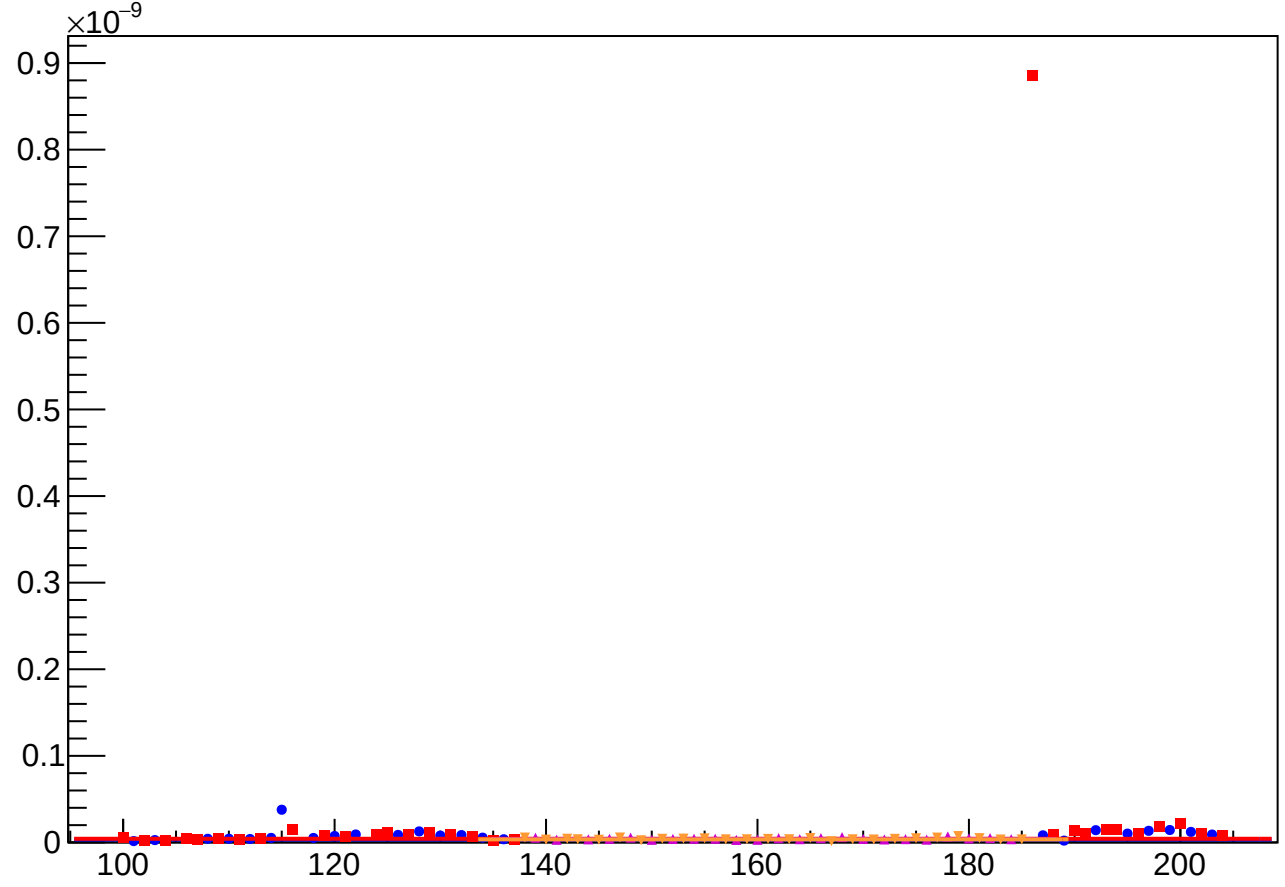
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/29

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.0/48

All: -0.000+/-0.000 χ^2/NDF: 88.5/101

- sign -0.000+/-0.000 χ^2/NDF: 52.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 6113900.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7156215.9/29

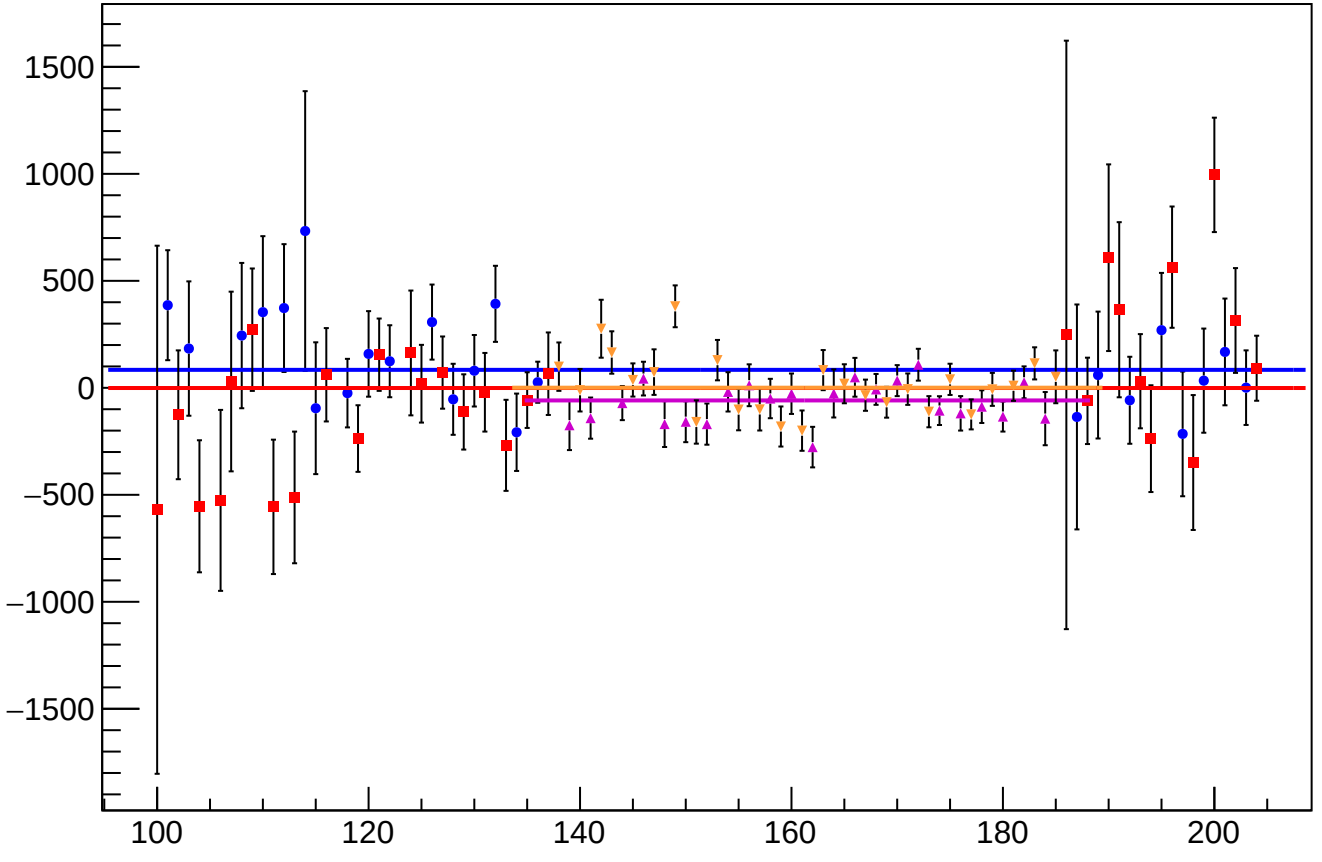
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8645959.1/48

All: 0.000+/-0.000 χ^2/NDF: 17362237.1/101

- sign 0.000+/-0.000 χ^2/NDF: 8408759.5/52

reg_asym_sam_26_avg_mean vs Slug



Right In: 84.017+/-41.827 χ^2/NDF: 16.1/23

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -0.880+/-41.506 χ^2/NDF: 42.9/29

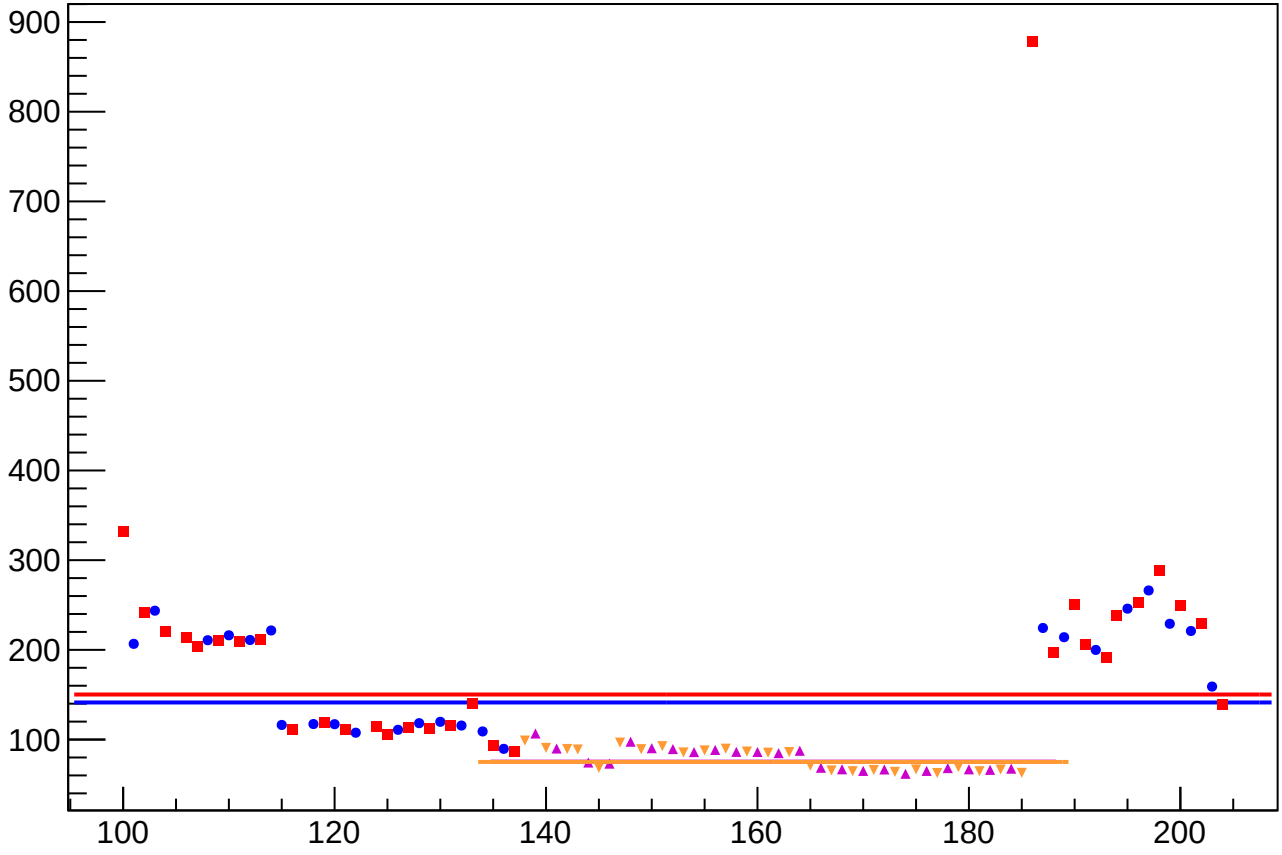
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 12.807+/-16.002 χ^2/NDF: 68.1/48

All: -17.700+/-11.460 χ^2/NDF: 145.9/101

- sign -49.825+/-16.420 χ^2/NDF: 70.4/52

reg_asym_sam_26_avg_rms vs Slug



Right In: 141.342+/-0.030 χ^2/NDF: 3133984.0/23

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

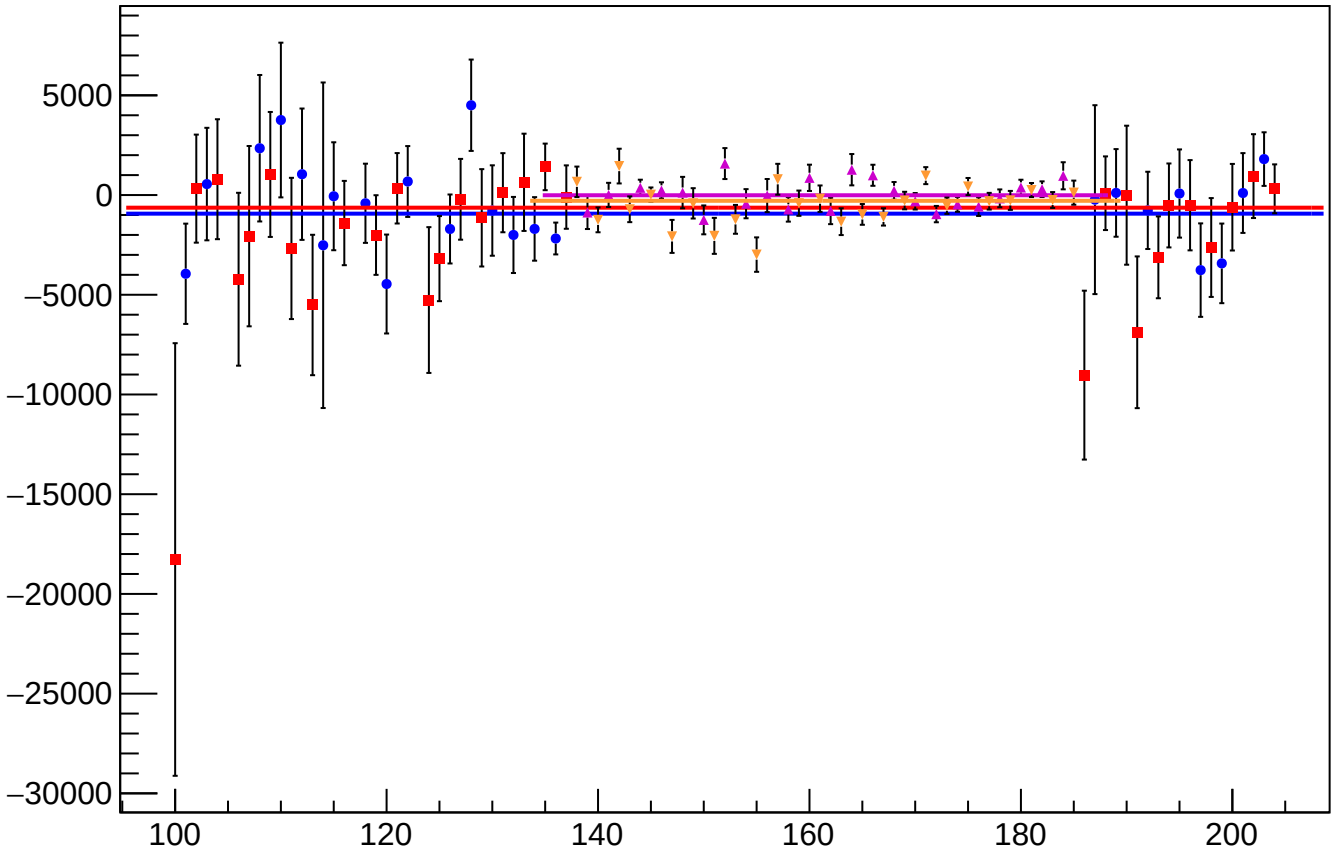
Right Out: 150.211+/-0.029 χ^2/NDF: 4189037.4/29

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 84.745+/-0.011 χ^2/NDF: 8351810.3/48

All: 85.877+/-0.008 χ^2/NDF: 18886605.6/101

- sign 87.068+/-0.012 χ^2/NDF: 10514256.9/52



Right In: -933.127+/-397.791 χ^2/NDF: 24.1/23

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -633.644+/-404.927 χ^2/NDF: 24.1/29

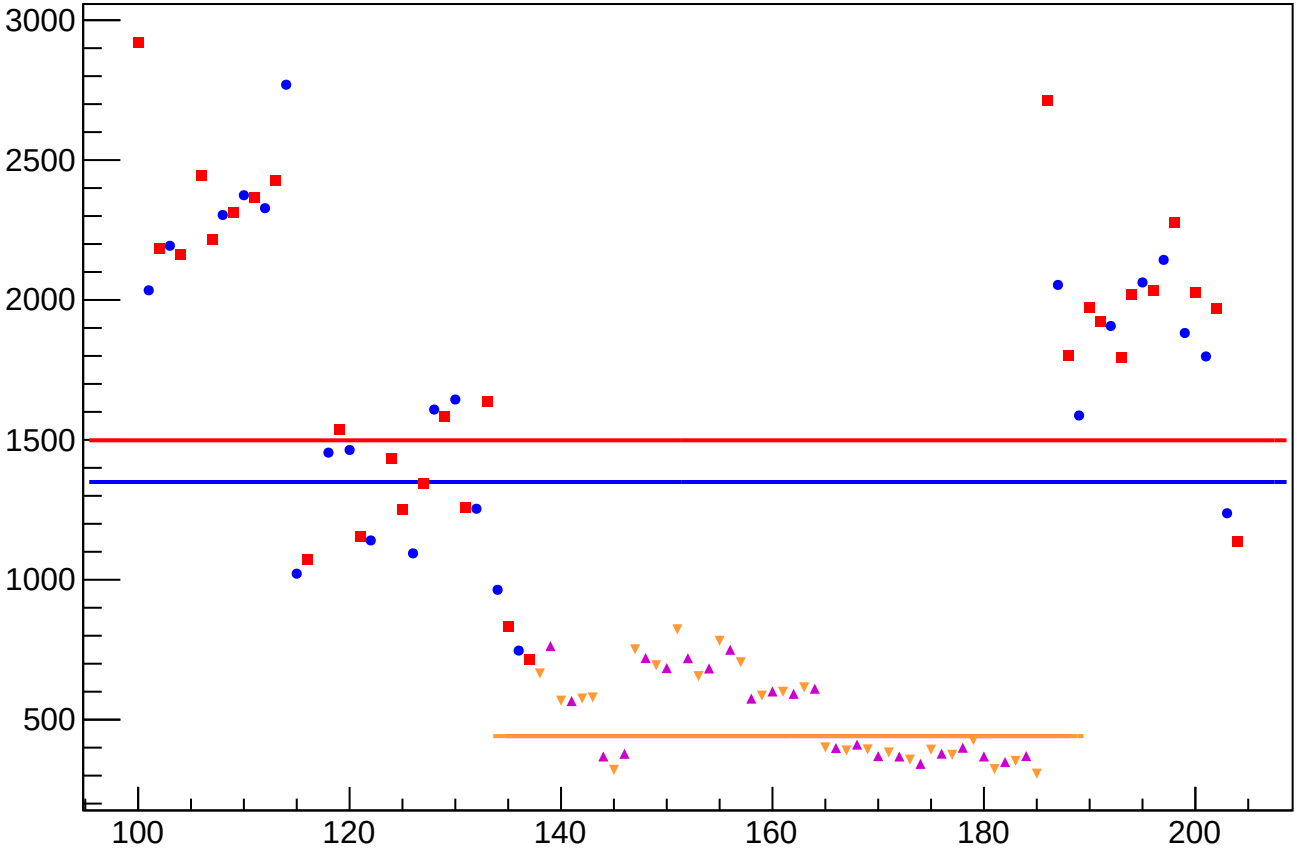
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -330.268+/-101.732 χ^2/NDF: 79.8/48

All: -194.167+/-72.742 χ^2/NDF: 143.2/101

- sign -51.782+/-104.054 χ^2/NDF: 59.7/52

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1349.442+/-0.281 χ^2/NDF: 3199479.3/23

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1498.392+/-0.286 χ^2/NDF: 3316702.7/29

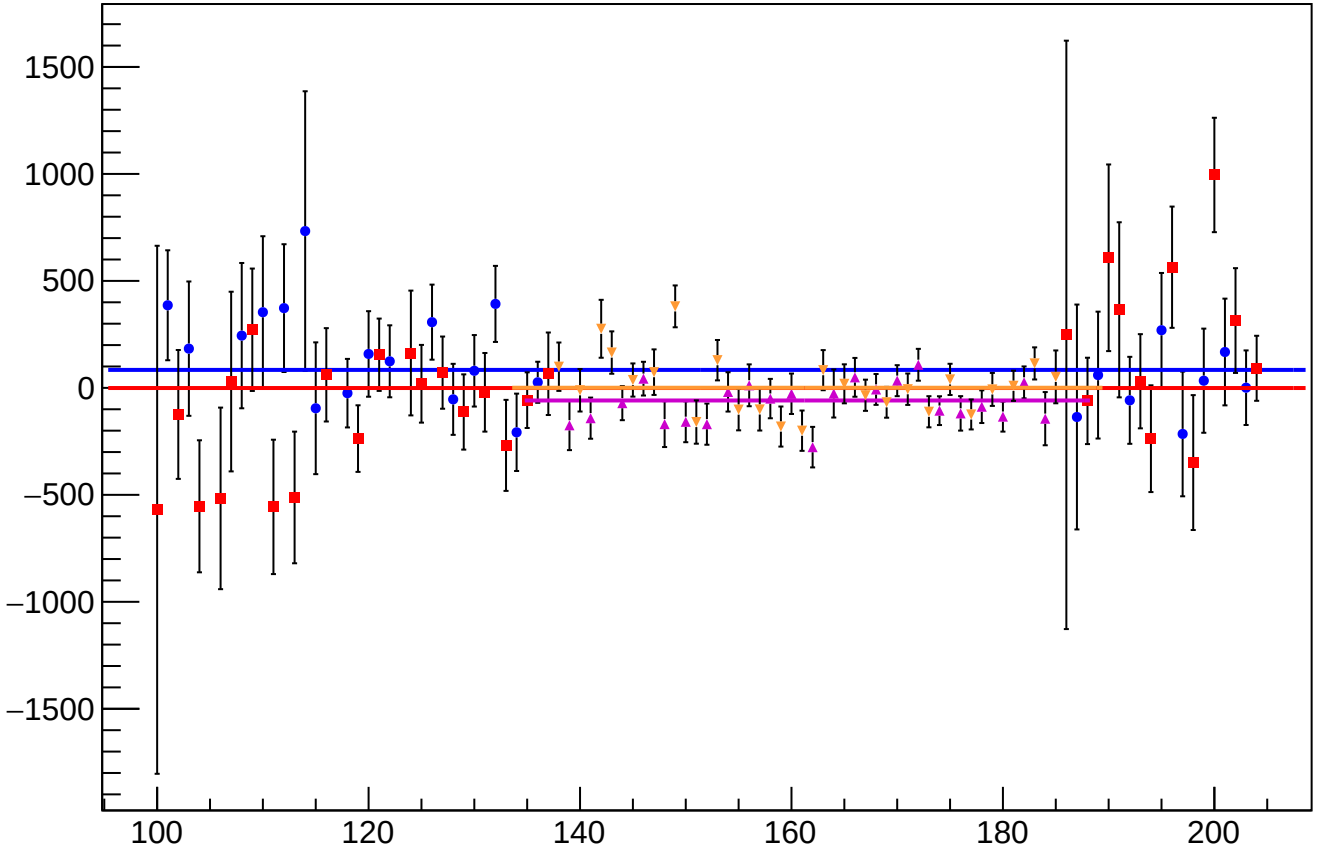
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

\+ sign 500.536+/-0.072 χ^2/NDF: 16179846.0/48

All: 505.653+/-0.051 χ^2/NDF: 34921661.7/10

\- sign 511.006+/-0.074 χ^2/NDF: 18731461.3/52

cor_asym_sam_26_avg_mean vs Slug



Right In: 84.003+/-41.827 χ^2/NDF: 16.1/23

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -0.716+/-41.507 χ^2/NDF: 42.8/29

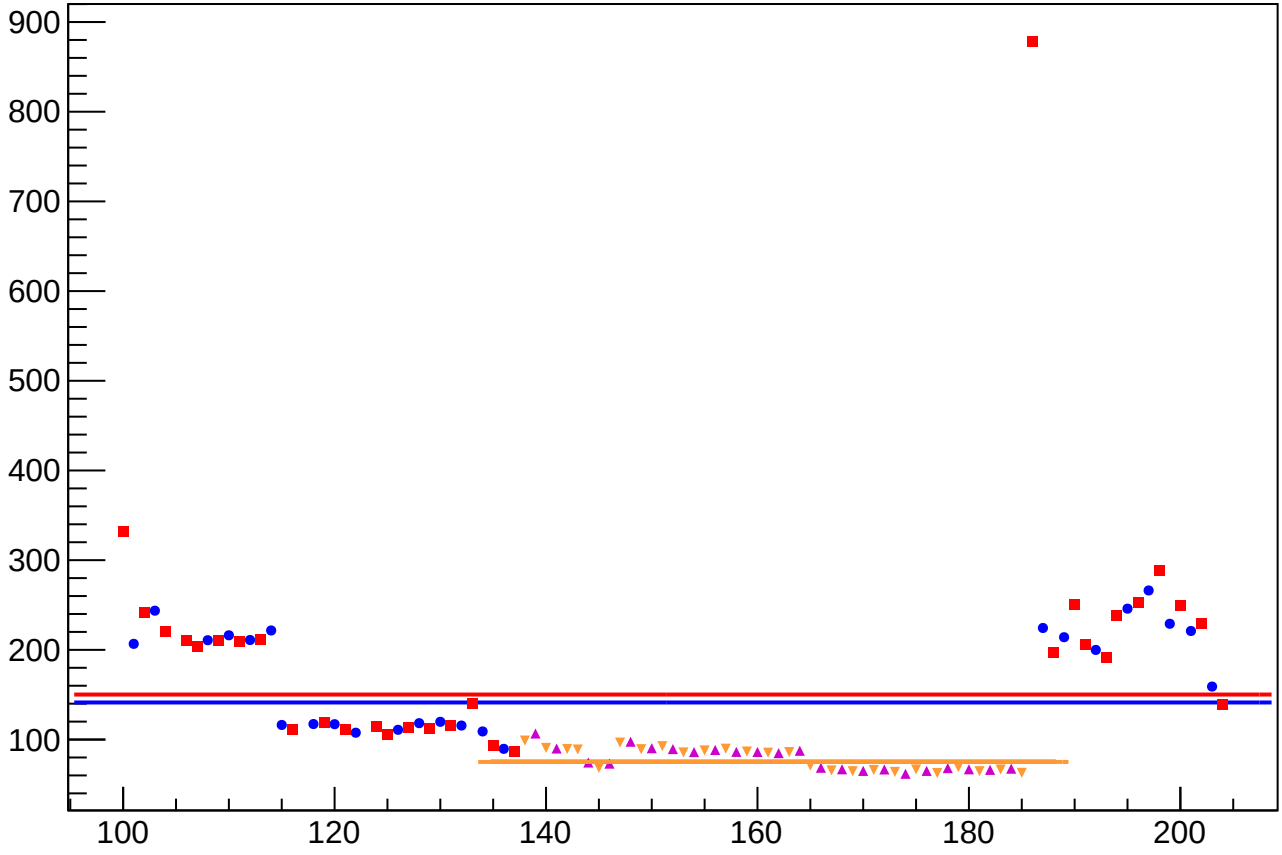
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.805+/-16.002 χ^2/NDF: 68.1/48

All: -17.688+/-11.460 χ^2/NDF: 145.8/101

- sign -49.798+/-16.420 χ^2/NDF: 70.3/52

cor_asym_sam_26_avg_rms vs Slug



Right In: 141.342+/-0.030 χ^2/NDF: 3133986.5/23

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

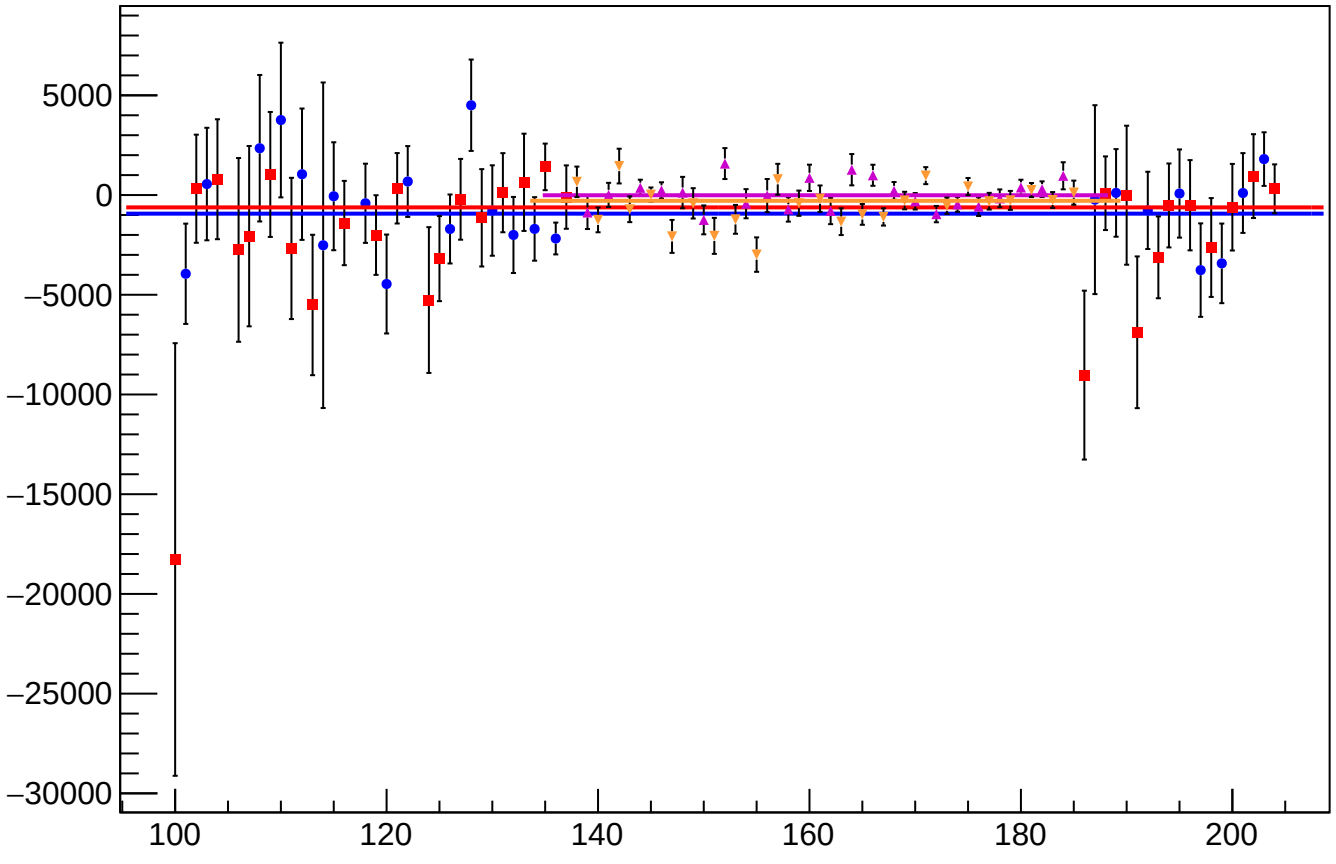
Right Out: 150.178+/-0.029 χ^2/NDF: 4184781.5/29

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 84.745+/-0.011 χ^2/NDF: 8351812.3/48

All: 85.874+/-0.008 χ^2/NDF: 18876946.5/101

- sign 87.062+/-0.012 χ^2/NDF: 10504703.5/52



Right In: -933.113+/-397.792 χ^2/NDF: 24.1/23

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -618.813+/-405.136 χ^2/NDF: 23.6/29

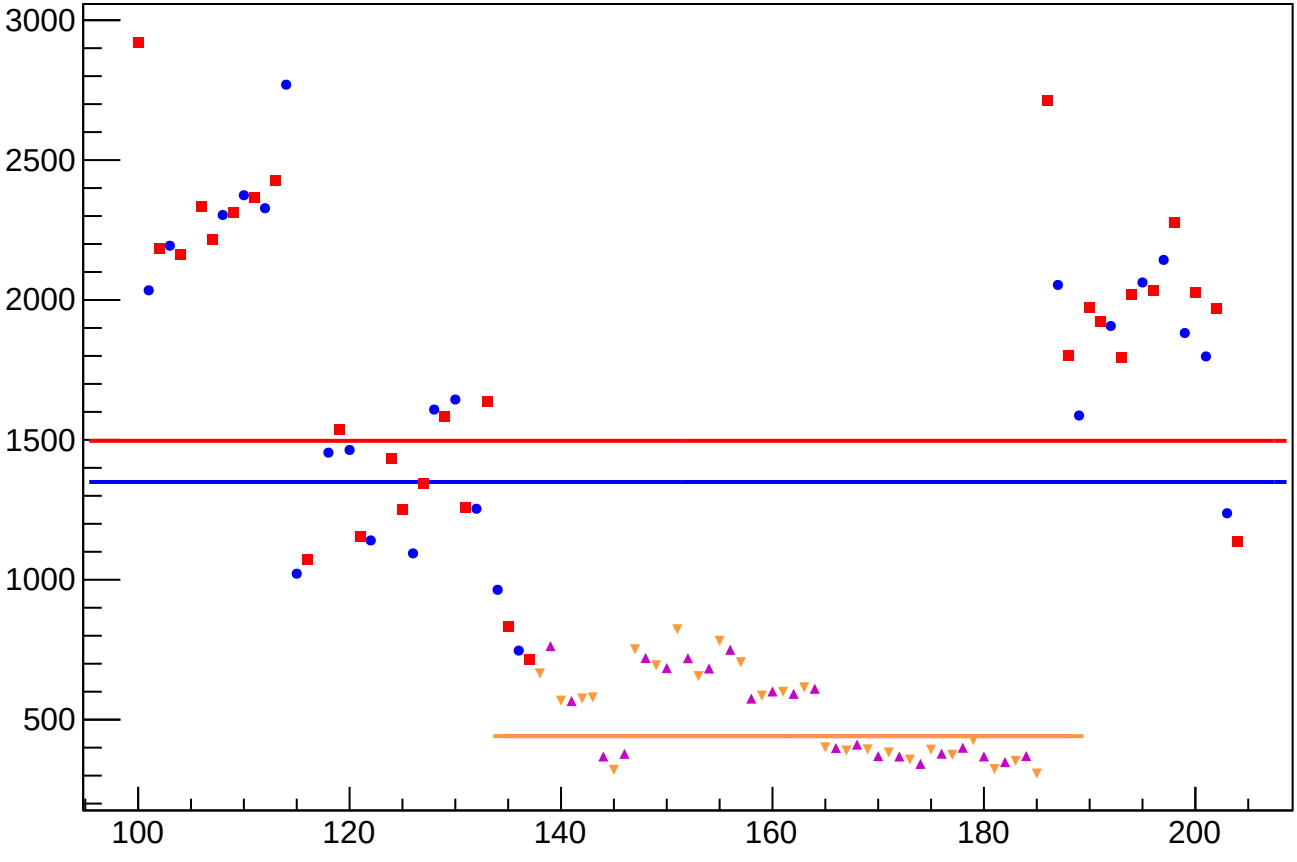
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -330.266+/-101.732 χ^2/NDF: 79.9/48

All: -193.674+/-72.744 χ^2/NDF: 142.6/101

- sign -50.765+/-104.057 χ^2/NDF: 59.1/52

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1349.442+/-0.281 χ^2/NDF: 3199510.9/23

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1496.611+/-0.286 χ^2/NDF: 3287694.3/29

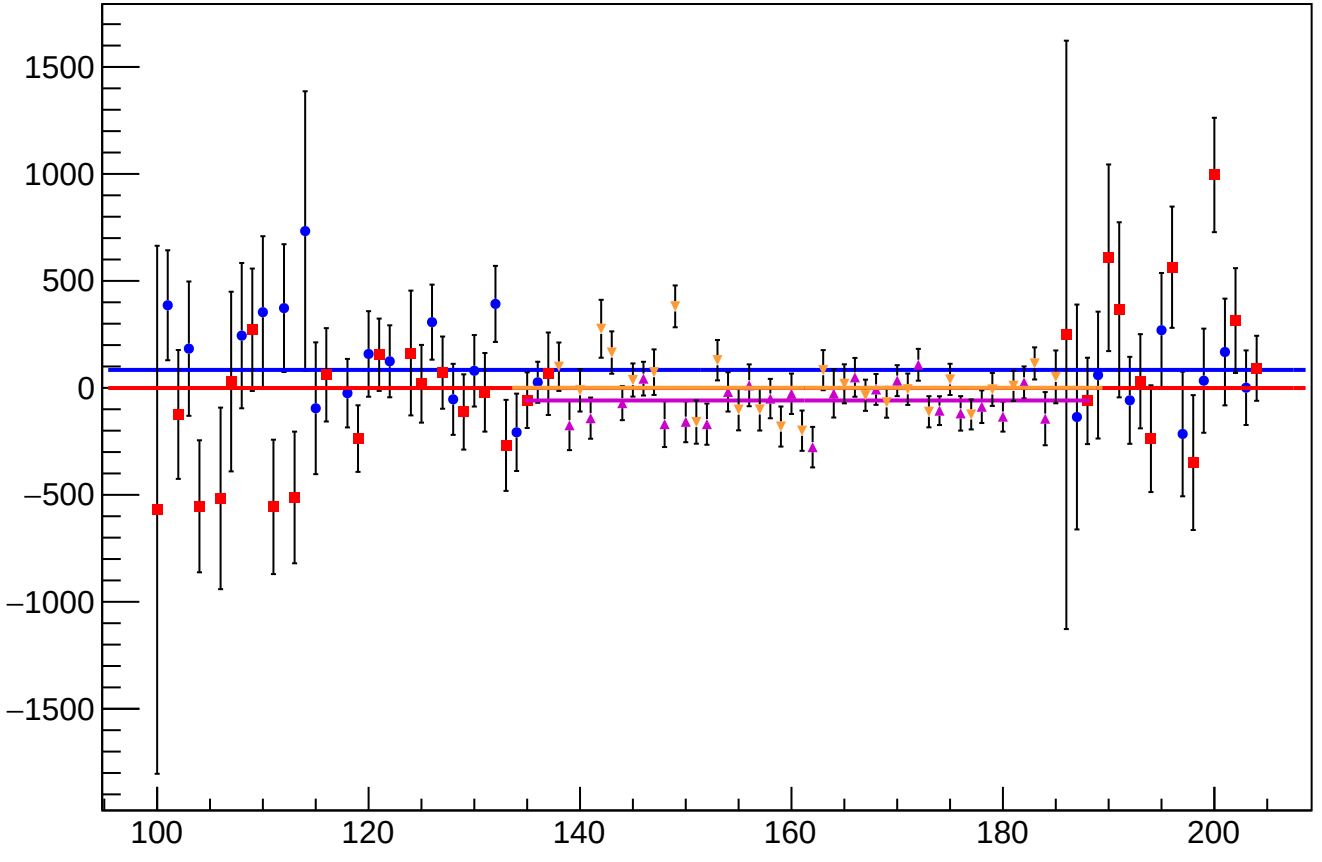
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 500.536+/-0.072 χ^2/NDF: 16179853.7/48

All: 505.562+/-0.051 χ^2/NDF: 34837167.5/10

- sign 510.822+/-0.074 χ^2/NDF: 18647321.6/52

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 84.003+/-41.827 χ^2/NDF: 16.1/23

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -0.716+/-41.507 χ^2/NDF: 42.8/29

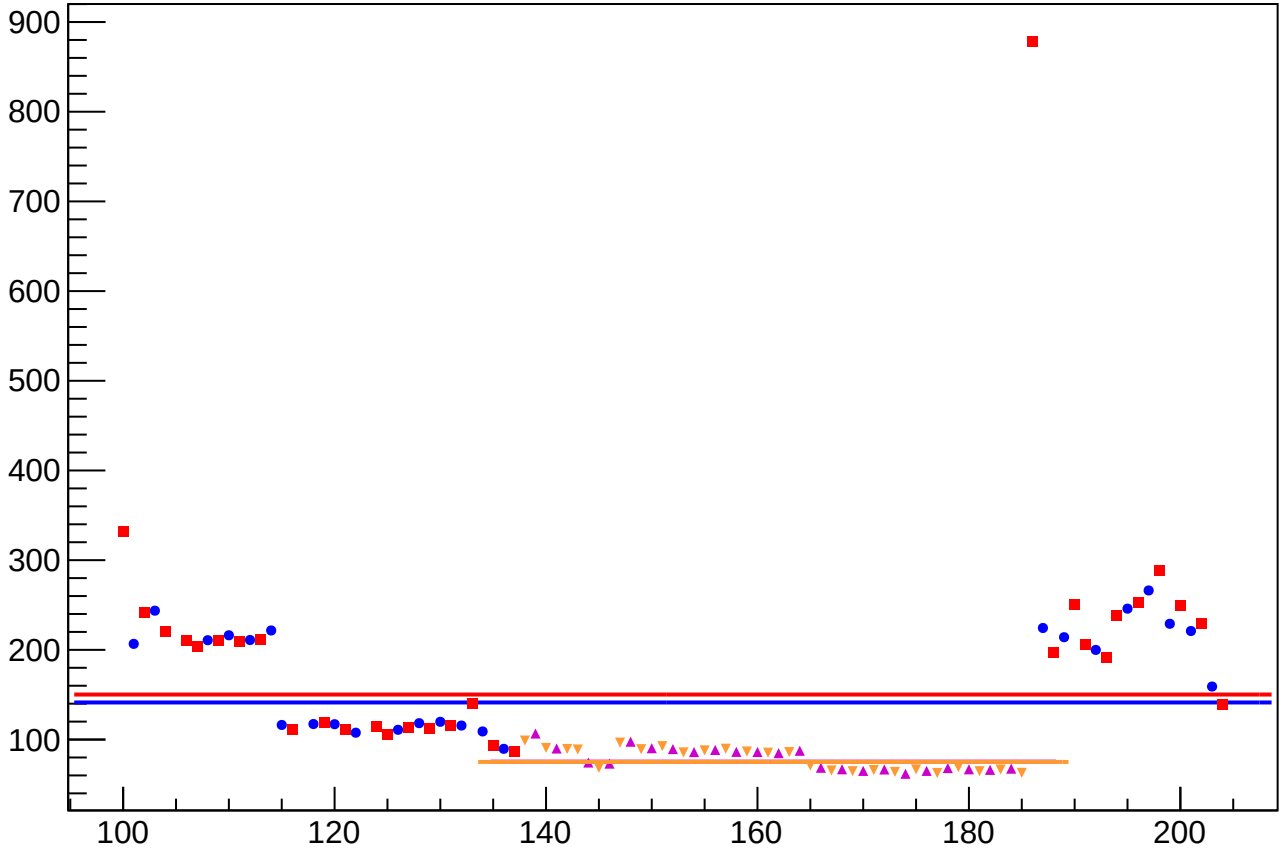
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

\+ sign 12.805+/-16.002 χ^2/NDF: 68.1/48

All: -17.688+/-11.460 χ^2/NDF: 145.8/101

\- sign -49.798+/-16.420 χ^2/NDF: 70.3/52

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 141.342+/-0.030 χ^2/NDF: 3133986.5/23

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

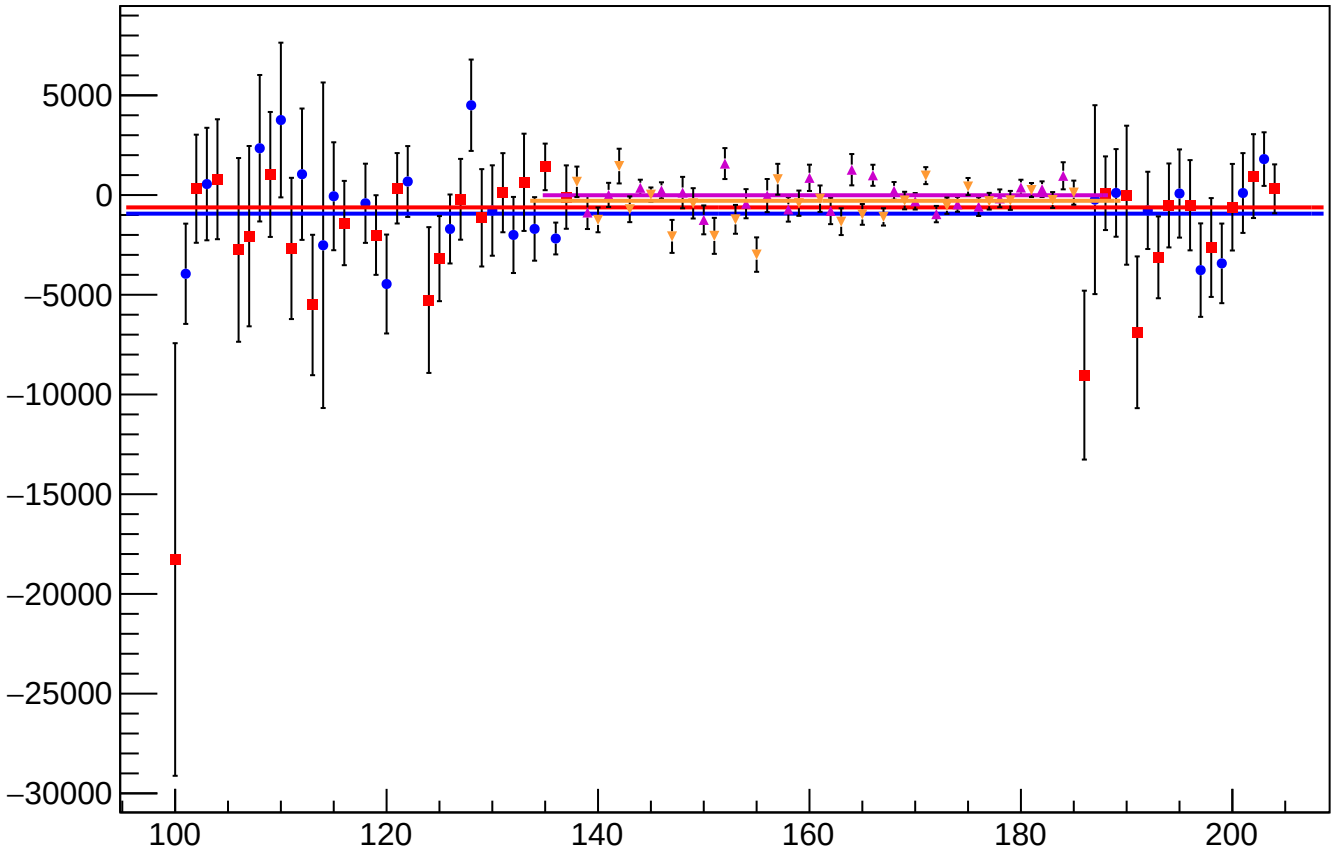
Right Out: 150.178+/-0.029 χ^2/NDF: 4184781.5/29

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 84.745+/-0.011 χ^2/NDF: 8351812.3/48

All: 85.874+/-0.008 χ^2/NDF: 18876946.5/101

- sign 87.062+/-0.012 χ^2/NDF: 10504703.5/52



Right In: -933.113+/-397.792 χ^2/NDF: 24.1/23

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -618.813+/-405.136 χ^2/NDF: 23.6/29

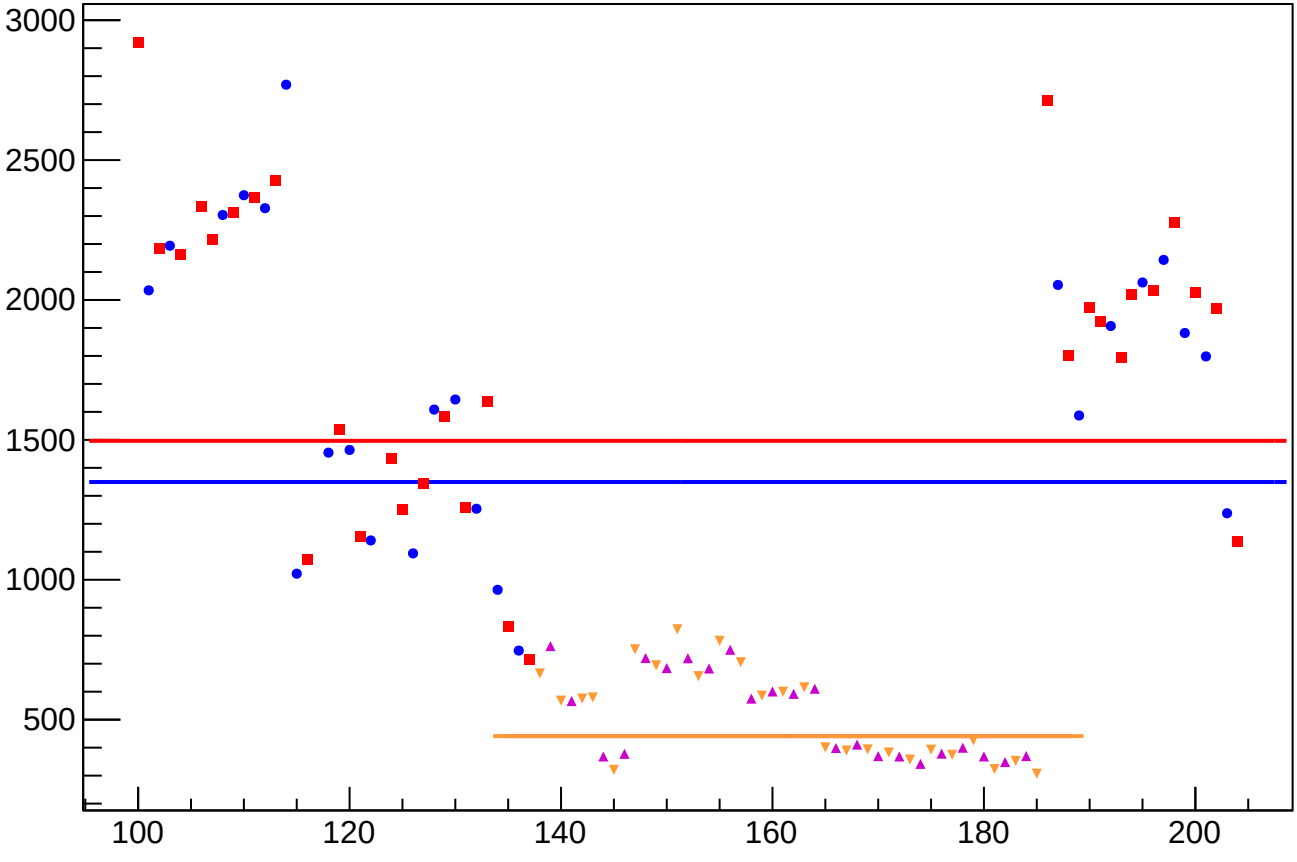
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -330.266+/-101.732 χ^2/NDF: 79.9/48

All: -193.674+/-72.744 χ^2/NDF: 142.6/101

- sign -50.765+/-104.057 χ^2/NDF: 59.1/52

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1349.442+/-0.281 χ^2/NDF: 3199510.9/23

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1496.611+/-0.286 χ^2/NDF: 3287694.3/29

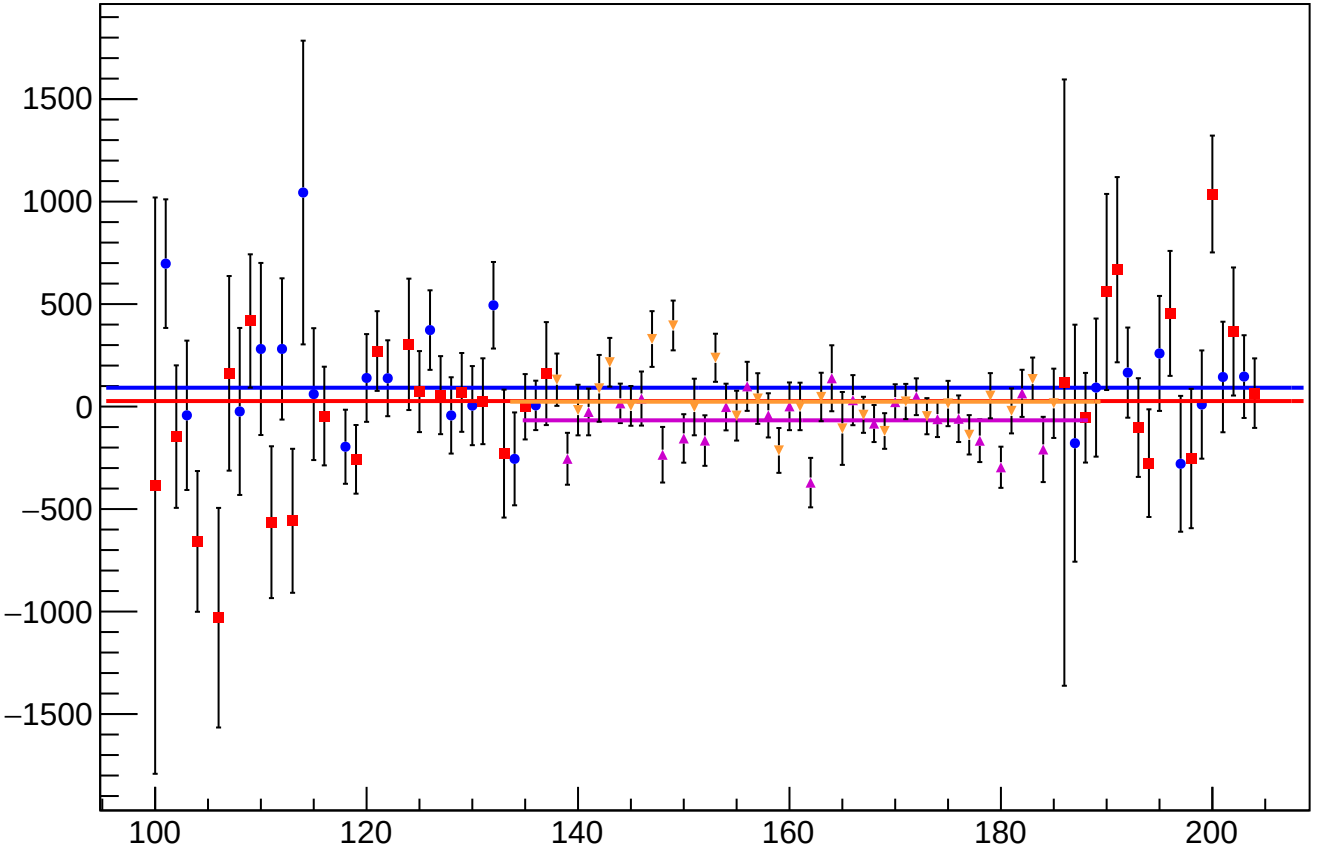
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 500.536+/-0.072 χ^2/NDF: 16179853.7/48

All: 505.562+/-0.051 χ^2/NDF: 34837167.5/10

- sign 510.822+/-0.074 χ^2/NDF: 18647321.6/52

dit_asym_sam_26_avg_mean vs Slug



Right In: 91.960+/-48.177 χ^2/NDF: 20.2/23

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 26.866+/-47.312 χ^2/NDF: 42.9/29

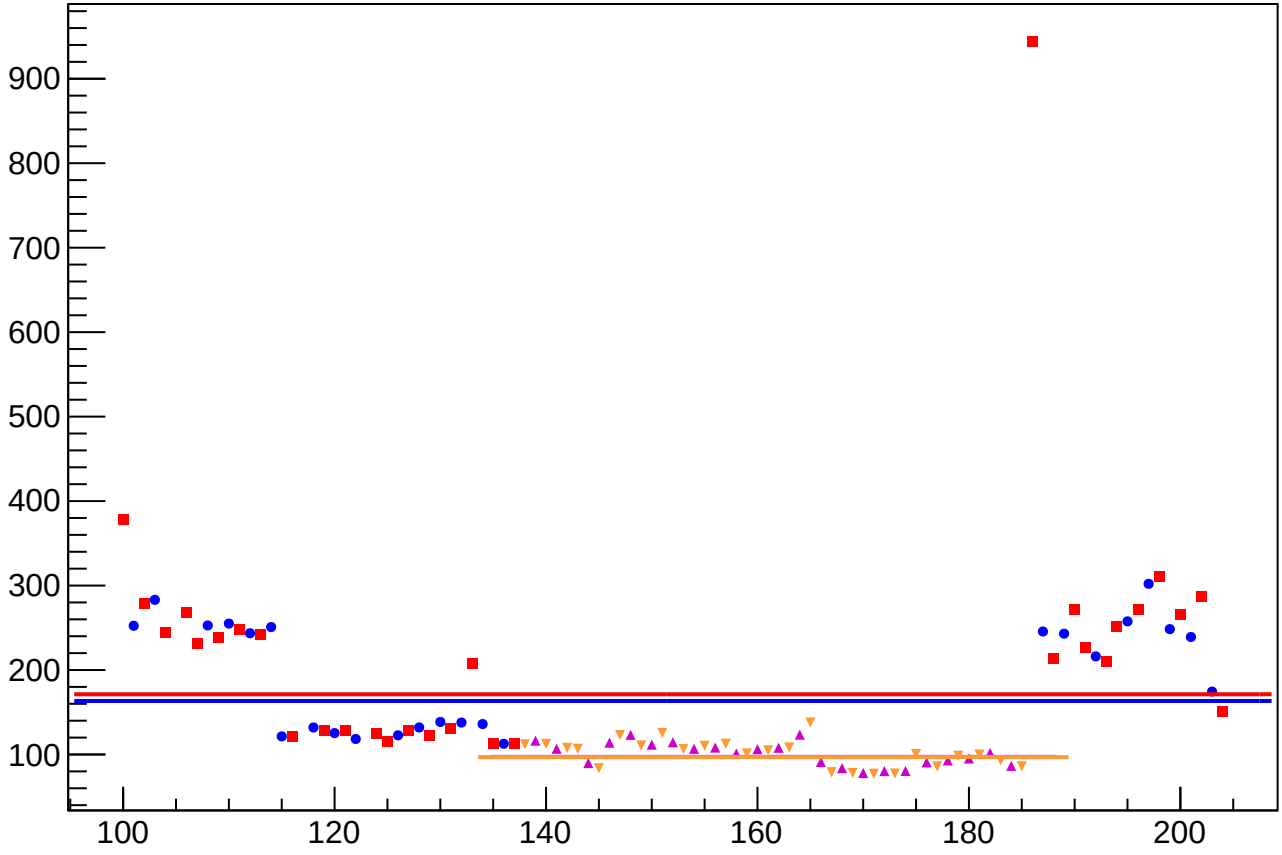
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 35.988+/-20.322 χ^2/NDF: 57.0/48

All: -5.561+/-14.527 χ^2/NDF: 140.3/101

- sign -48.974+/-20.773 χ^2/NDF: 74.7/52

dit_asym_sam_26_avg_rms vs Slug



Right In: 163.320+/-0.034 χ^2/NDF: 2784668.2/23

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

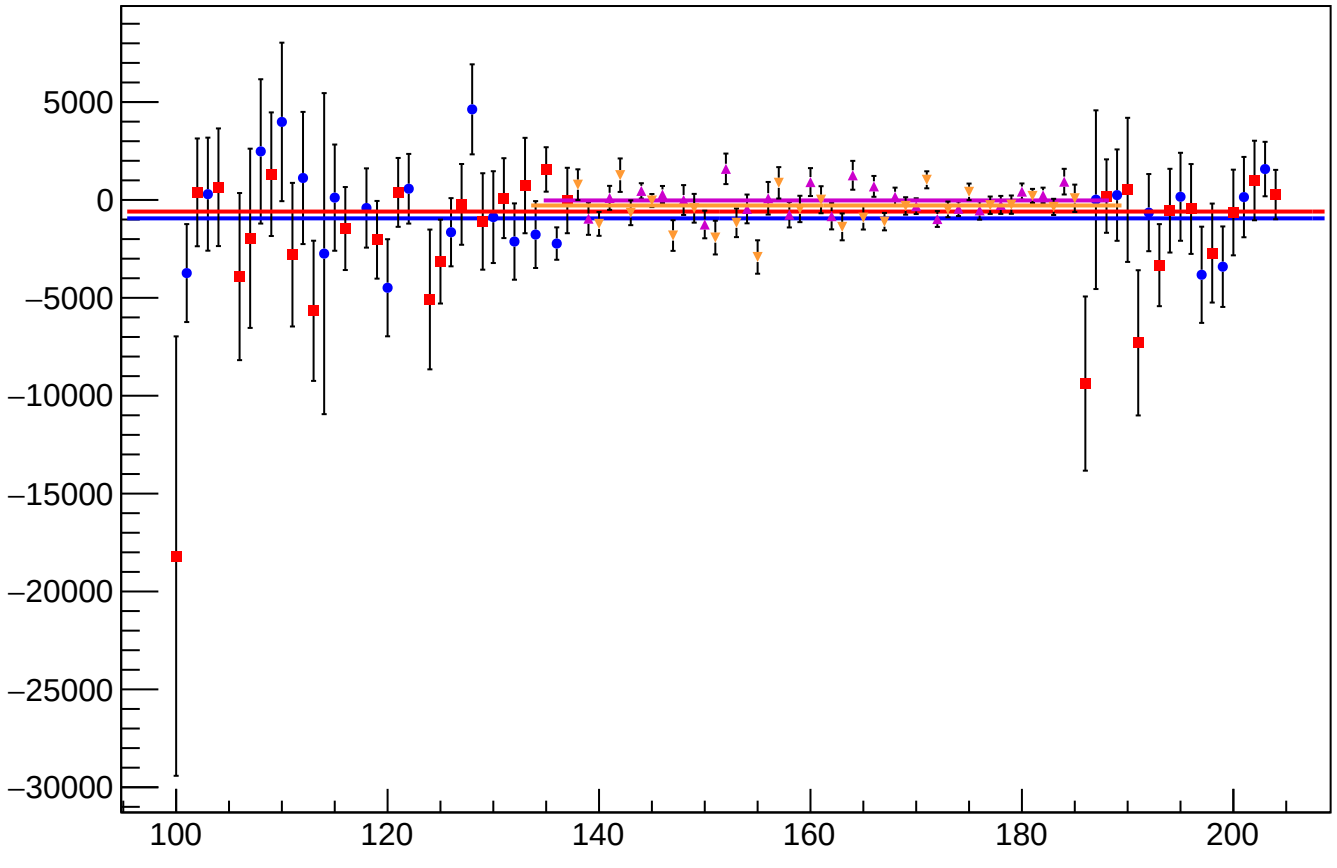
Right Out: 171.309+/-0.033 χ^2/NDF: 3945820.1/29

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 108.724+/-0.014 χ^2/NDF: 6842916.0/48

All: 110.062+/-0.010 χ^2/NDF: 15445624.5/10

- sign 111.460+/-0.015 χ^2/NDF: 8584983.0/52



Right In: -941.355+/-408.756 χ^2/NDF: 23.2/23

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -593.176+/-408.272 χ^2/NDF: 25.3/29

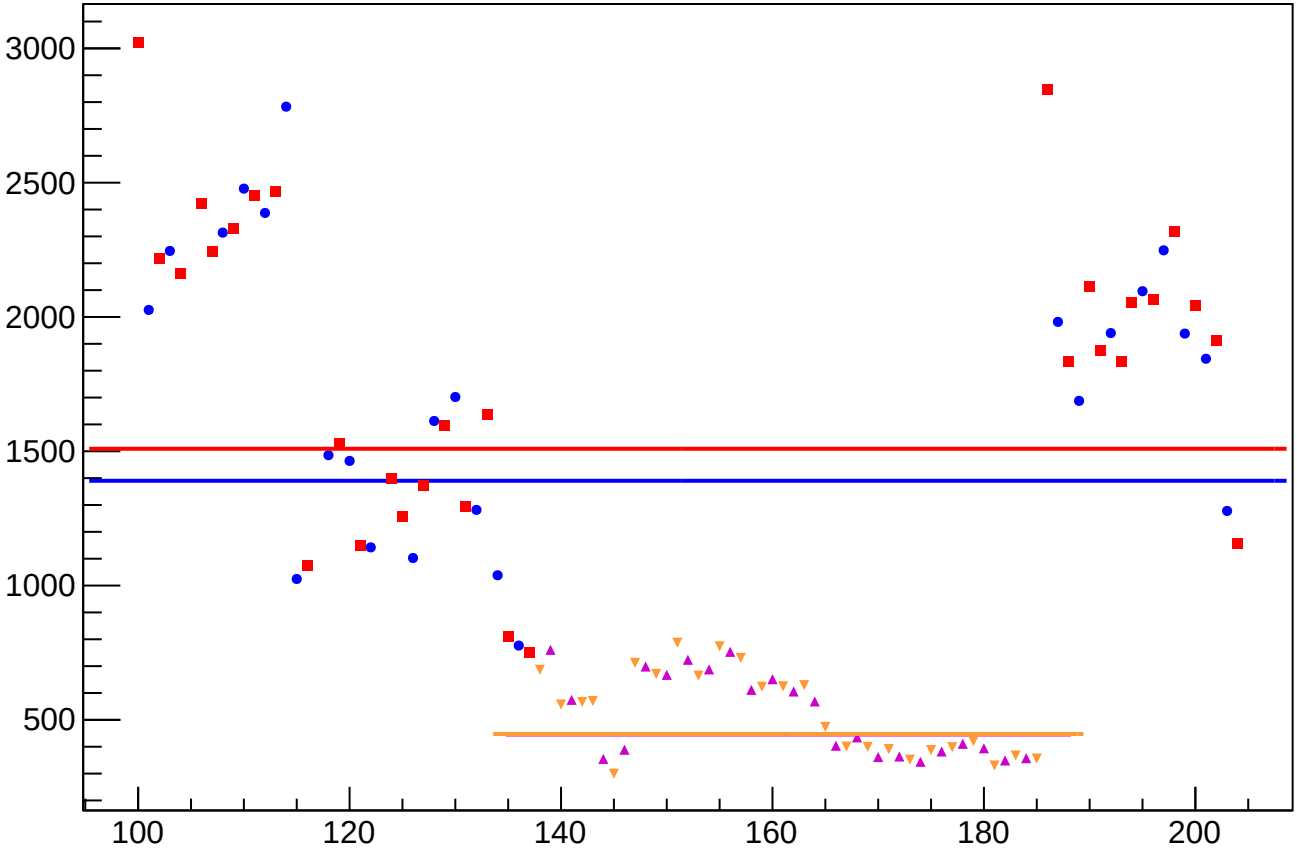
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -324.232+/-102.963 χ^2/NDF: 76.0/48

All: -196.127+/-73.586 χ^2/NDF: 139.3/101

- sign -62.379+/-105.206 χ^2/NDF: 60.1/52

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1390.117+/-0.289 χ^2/NDF: 3102817.6/23

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1509.423+/-0.289 χ^2/NDF: 3388515.2/29

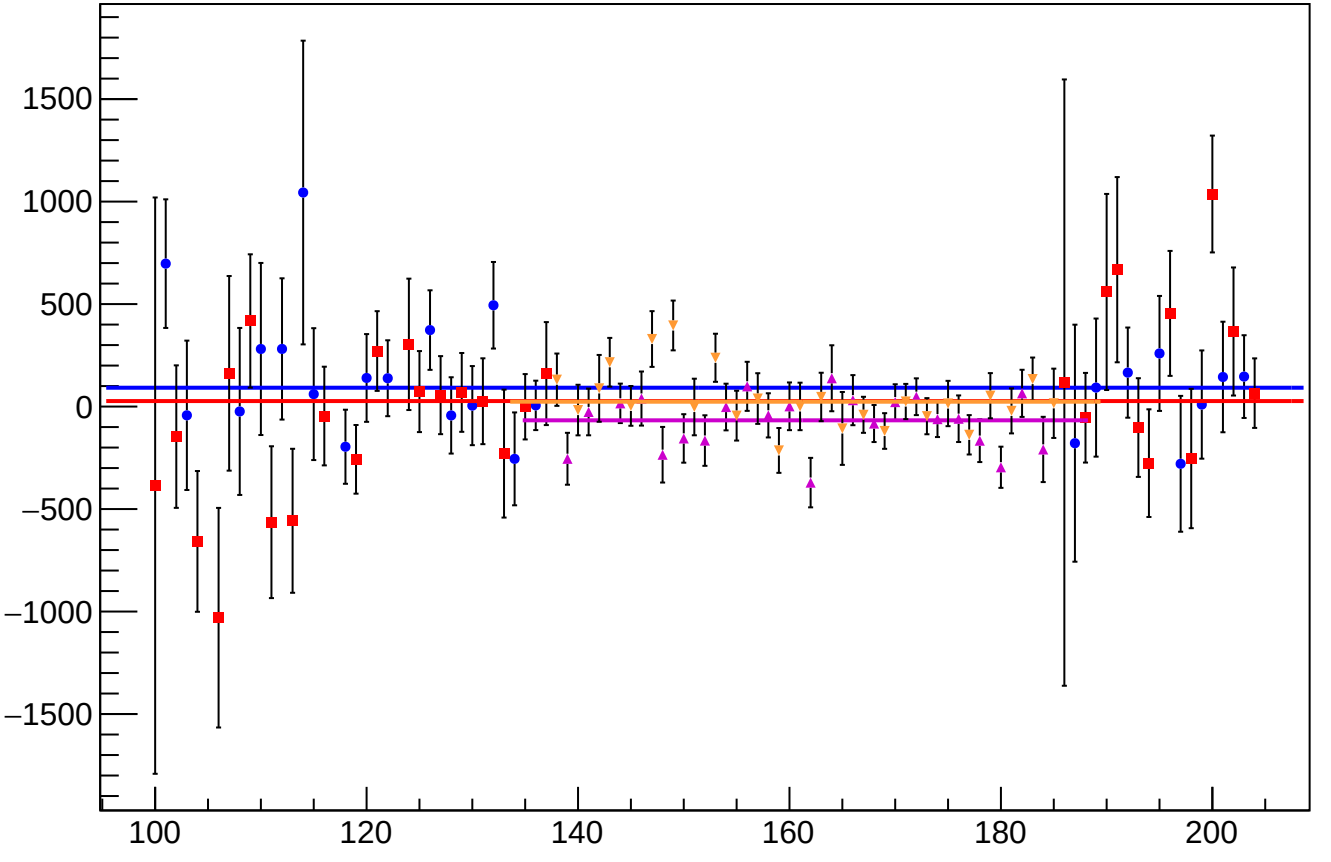
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 507.203+/-0.073 χ^2/NDF: 16264003.3/48

All: 511.575+/-0.052 χ^2/NDF: 35053158.0/10

- sign 516.139+/-0.074 χ^2/NDF: 18781784.3/52

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 91.963+/-48.177 χ^2/NDF: 20.2/23

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 26.865+/-47.312 χ^2/NDF: 42.9/29

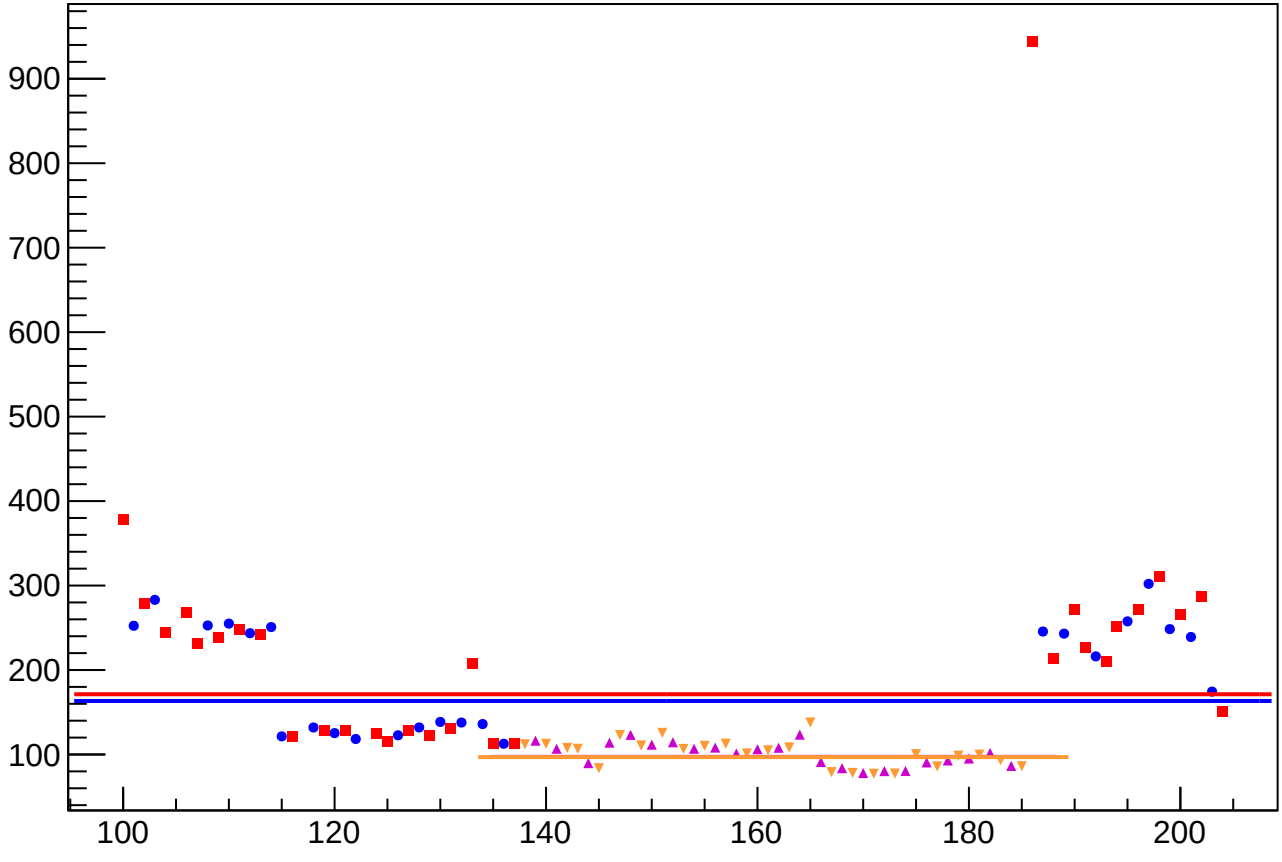
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 35.988+/-20.322 χ^2/NDF: 57.0/48

All: -5.561+/-14.527 χ^2/NDF: 140.3/101

- sign -48.974+/-20.773 χ^2/NDF: 74.7/52

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 163.319+/-0.034 χ^2/NDF: 2784679.2/23

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

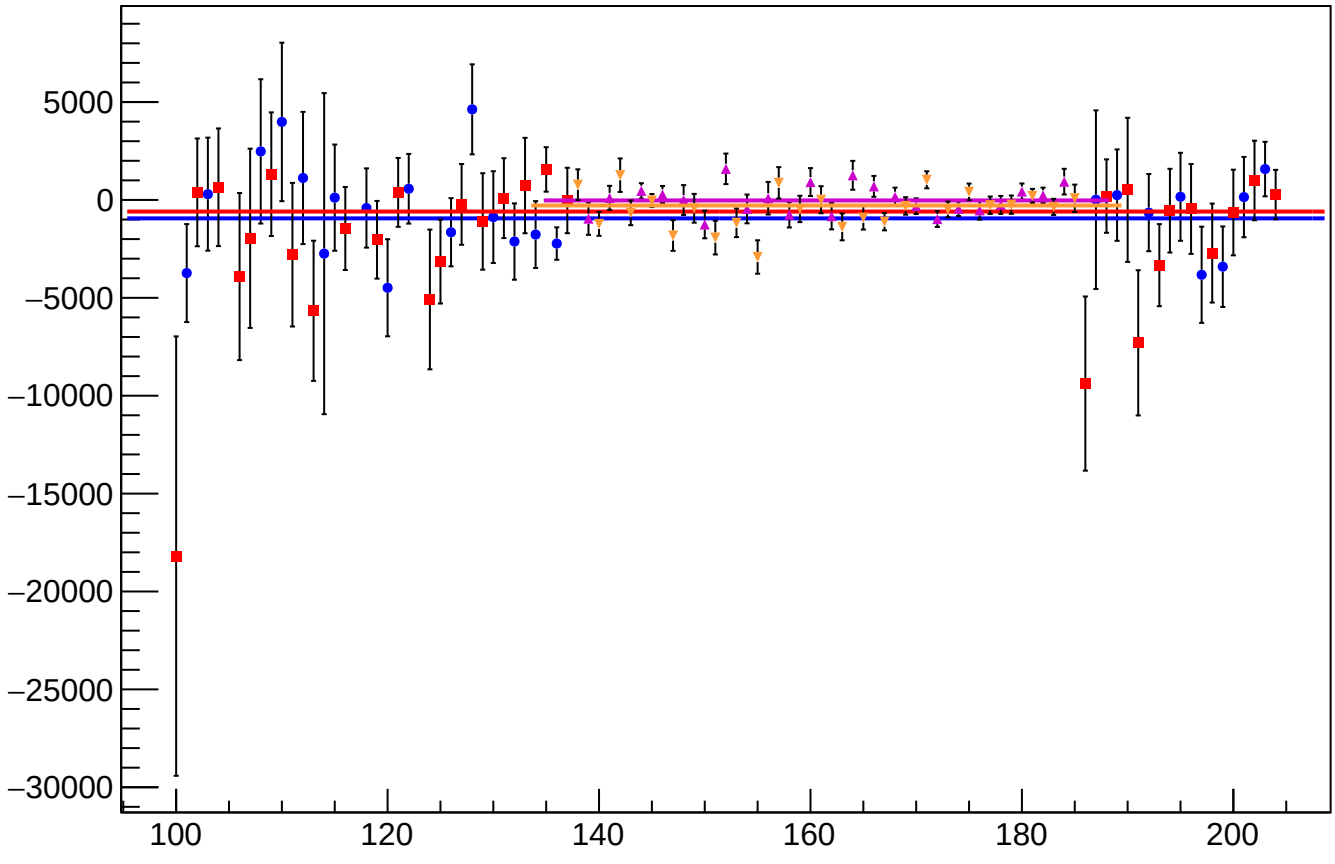
Right Out: 171.309+/-0.033 χ^2/NDF: 3945825.8/29

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 108.725+/-0.014 χ^2/NDF: 6842854.4/48

All: 110.062+/-0.010 χ^2/NDF: 15445490.9/10

- sign 111.460+/-0.015 χ^2/NDF: 8584909.4/52



Right In: -941.353+/-408.756 χ^2/NDF: 23.2/23

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

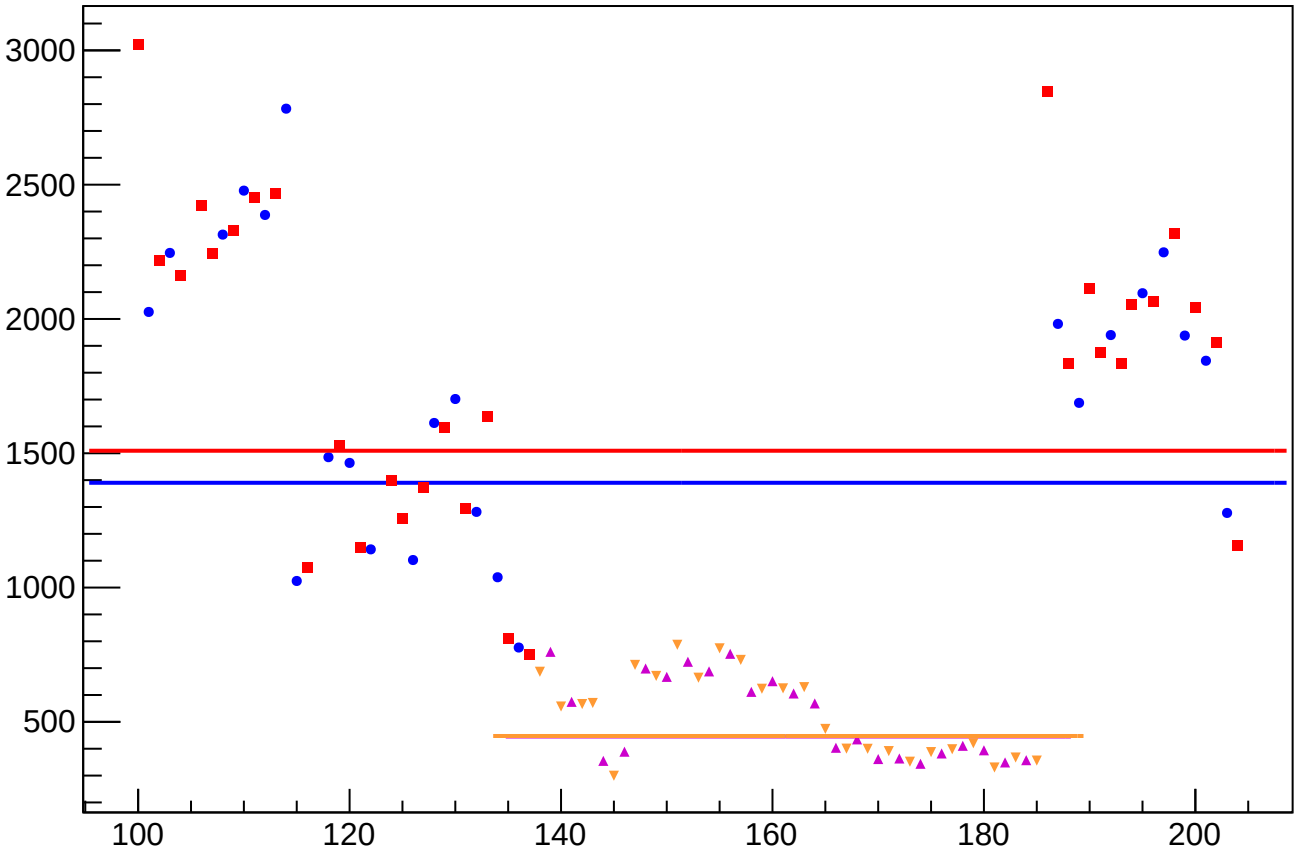
Right Out: -593.178+/-408.272 χ^2/NDF: 25.3/29

Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -324.231+/-102.963 χ^2/NDF: 76.0/48

All: -196.126+/-73.586 χ^2/NDF: 139.3/101

- sign -62.379+/-105.206 χ^2/NDF: 60.1/52



Right In: 1390.117+/-0.289 χ^2/NDF: 3102799.1/23

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1509.423+/-0.289 χ^2/NDF: 3388498.2/29

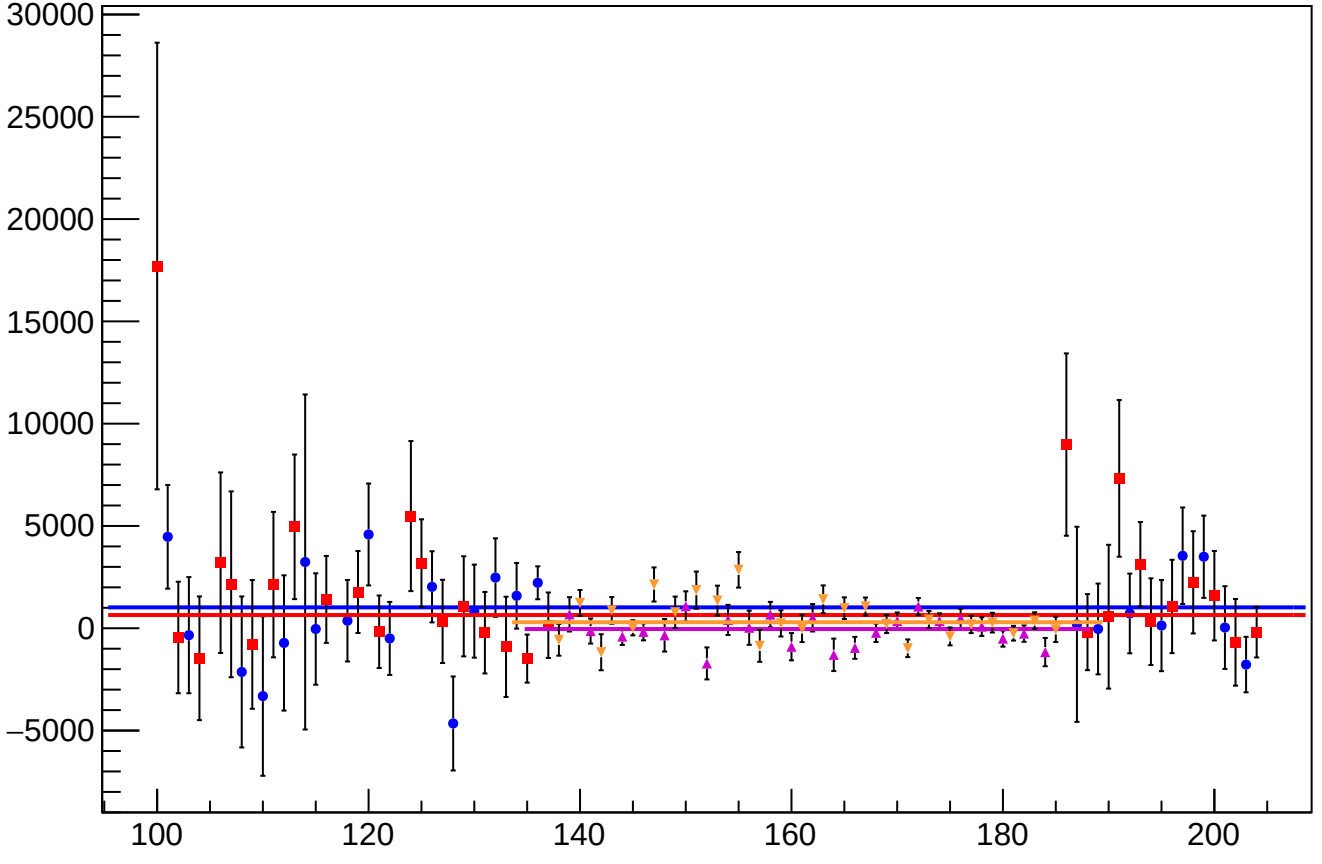
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 507.202+/-0.073 χ^2/NDF: 16264023.8/48

All: 511.574+/-0.052 χ^2/NDF: 35053188.8/10

- sign 516.139+/-0.074 χ^2/NDF: 18781794.4/52

asym_sam_26_avg_mean vs Slug



Right In: 1021.096+/-400.570 χ^2/NDF: 24.4/23

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 645.758+/-407.591 χ^2/NDF: 22.9/29

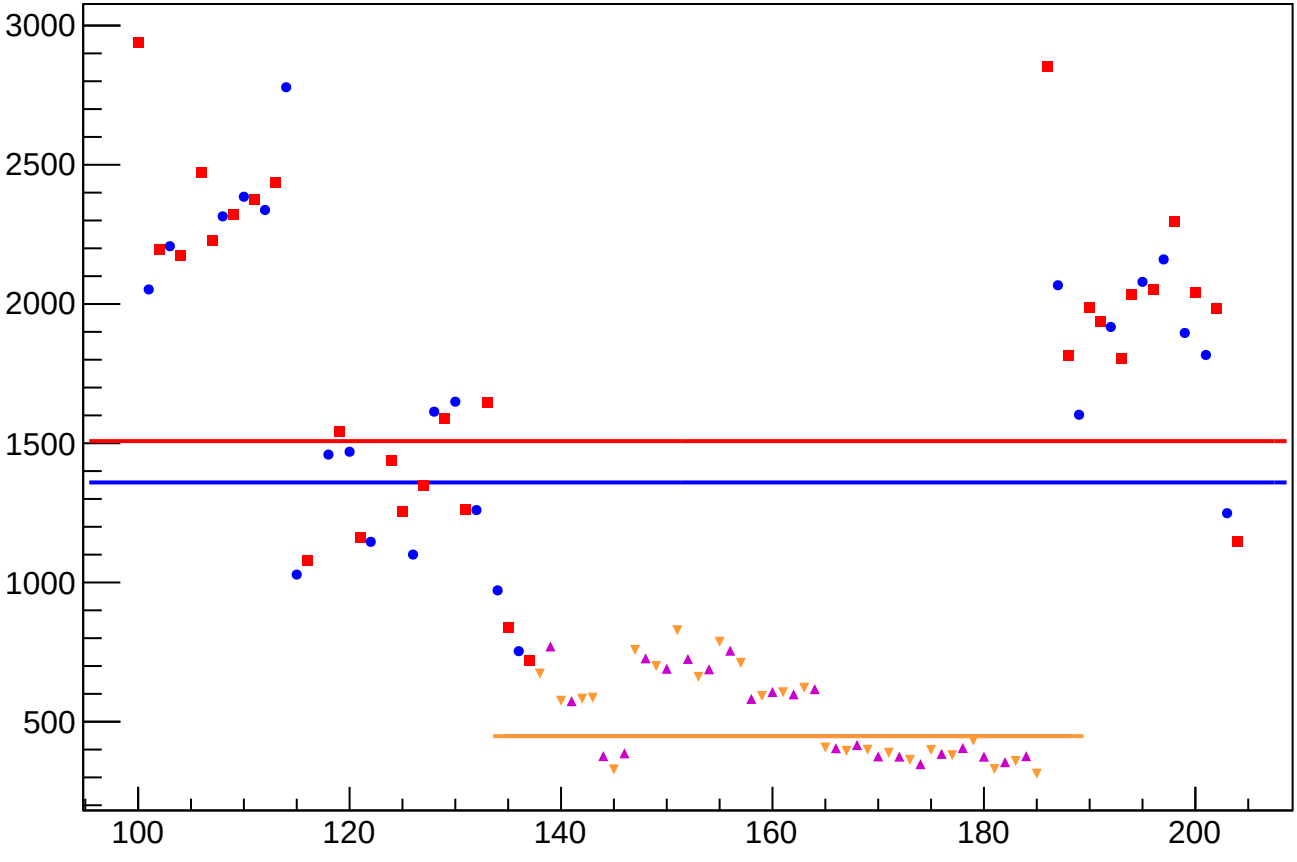
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 343.204+/-103.204 χ^2/NDF: 78.0/48

All: 179.317+/-73.803 χ^2/NDF: 141.6/101

- sign 7.783+/-105.584 χ^2/NDF: 58.5/52

asym_sam_26_avg_rms vs Slug



Right In: 1359.201+/-0.283 χ^2/NDF: 3189686.3/23

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1507.570+/-0.288 χ^2/NDF: 3336210.5/29

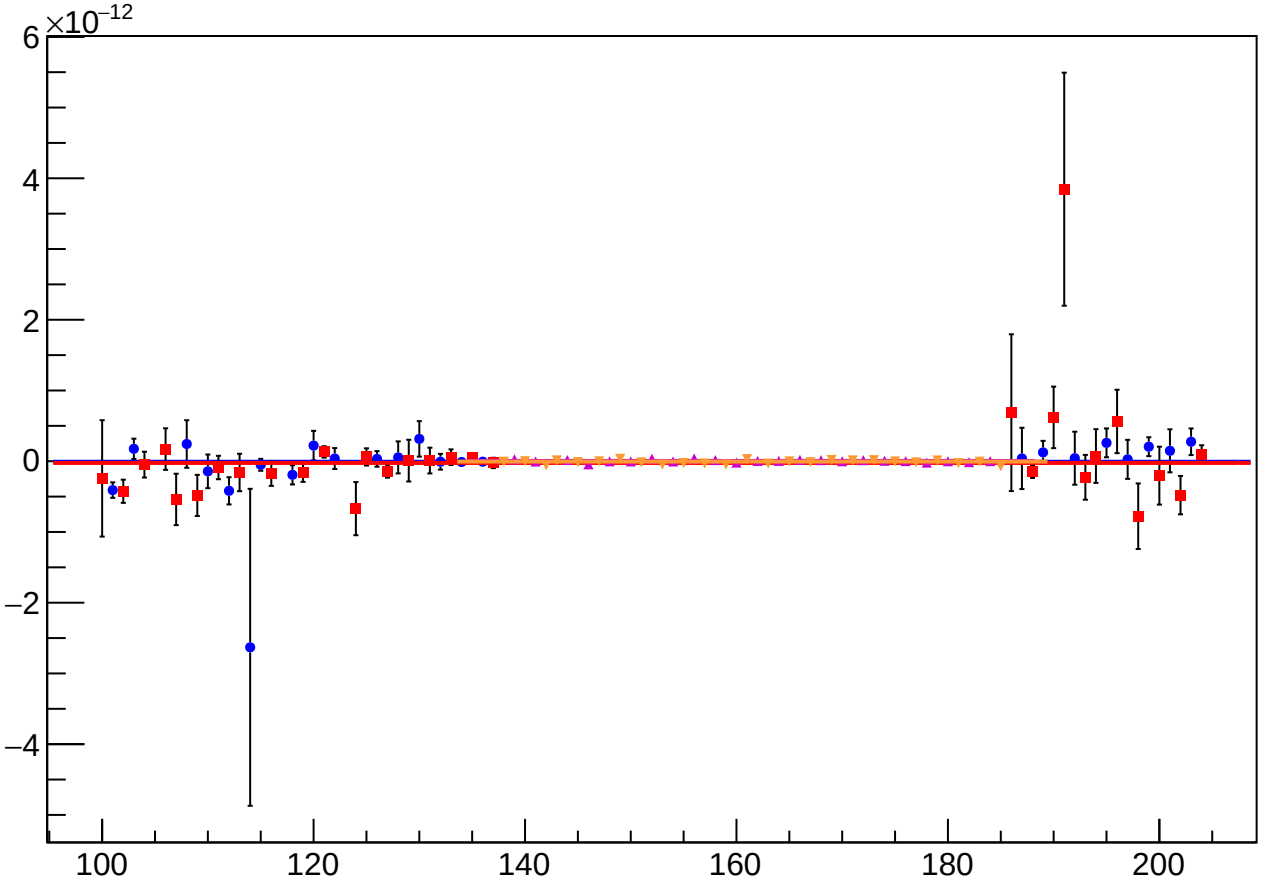
Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 508.745+/-0.073 χ^2/NDF: 16002785.0/48

All: 513.986+/-0.052 χ^2/NDF: 34569633.5/10

- sign 519.471+/-0.075 χ^2/NDF: 18556292.3/52

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 34.6/23

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

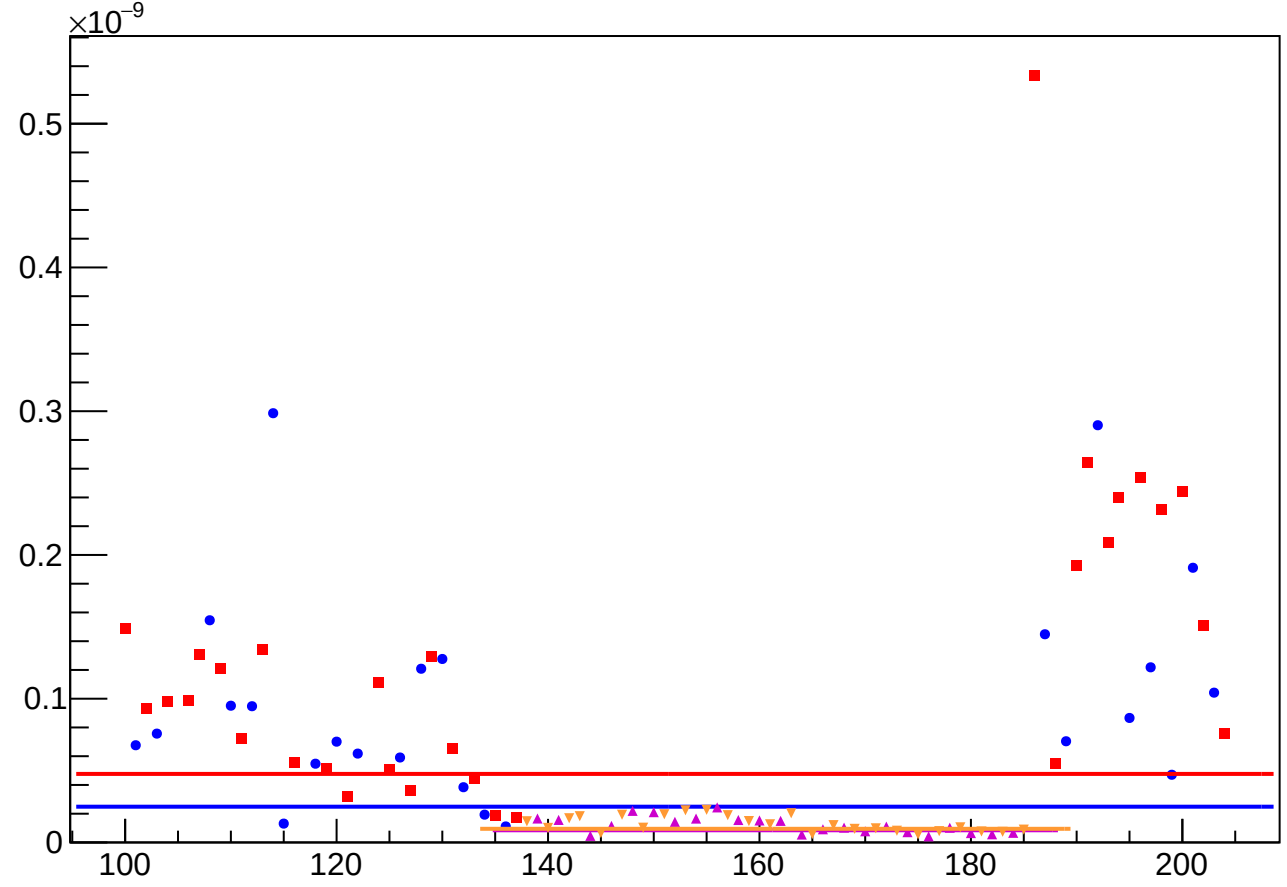
Right Out: -0.000+/-0.000 χ^2/NDF: 44.4/29

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.8/48

All: -0.000+/-0.000 χ^2/NDF: 122.4/101

- sign 0.000+/-0.000 χ^2/NDF: 62.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 6226172.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

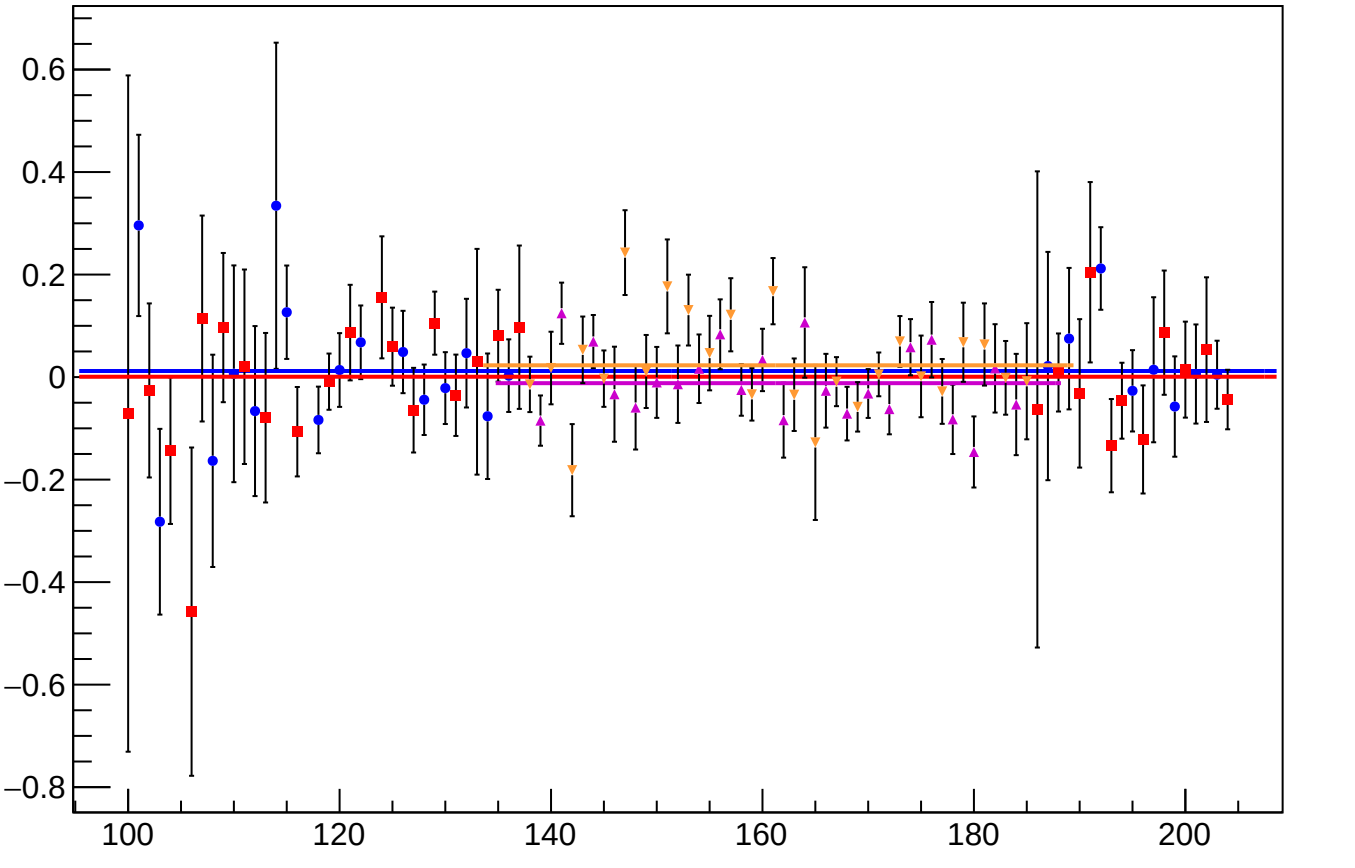
Right Out: 0.000+/-0.000 χ^2/NDF: 5542429.4/29

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10151037.0/48

All: 0.000+/-0.000 χ^2/NDF: 23159049.7/101

- sign 0.000+/-0.000 χ^2/NDF: 12949774.7/52



Right In: 0.012+/-0.019 χ^2/NDF: 20.4/23

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

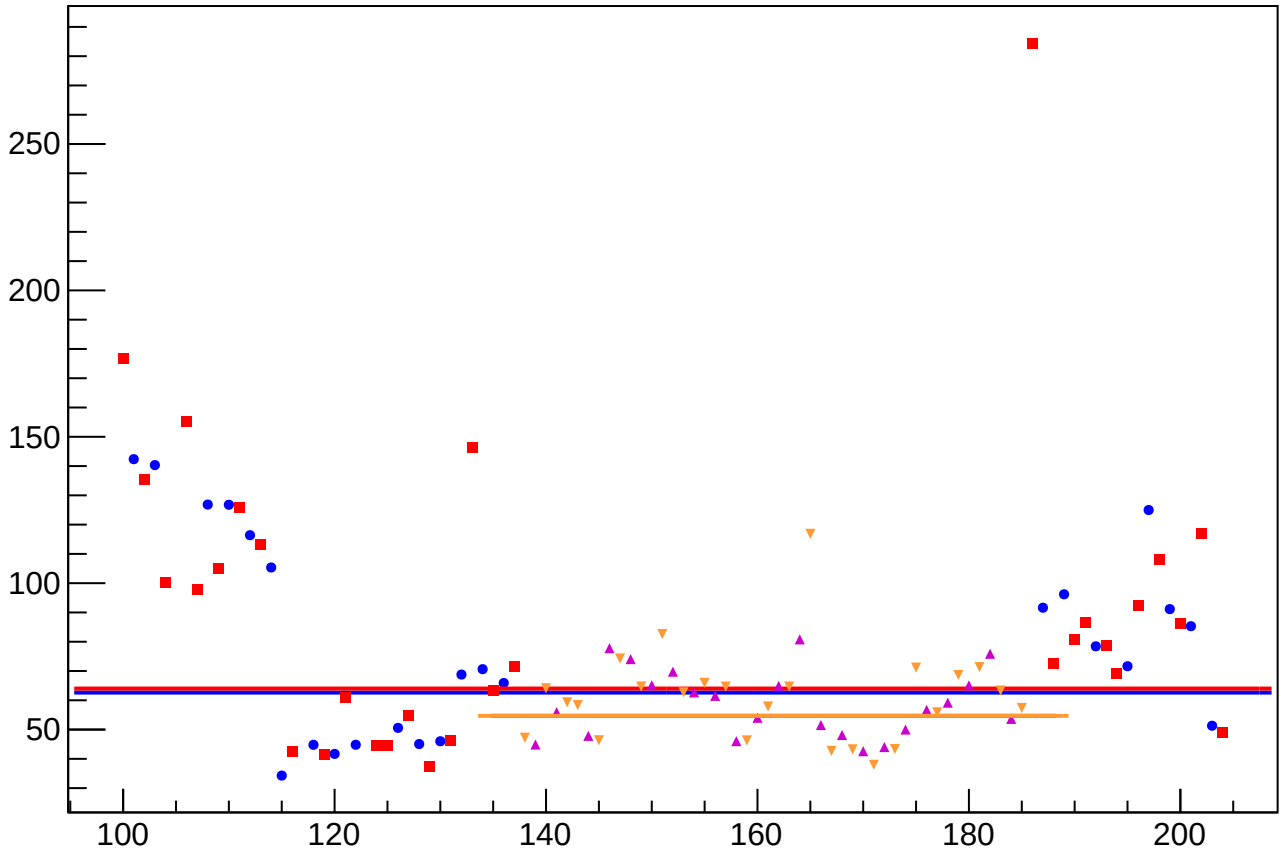
Right Out: 0.001+/-0.018 χ^2/NDF: 20.3/29

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.020+/-0.011 χ^2/NDF: 54.8/48

All: 0.006+/-0.008 χ^2/NDF: 104.5/101

- sign -0.008+/-0.011 χ^2/NDF: 46.5/52



Right In: 62.634+/-0.014 χ^2/NDF: 3323101.8/23

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

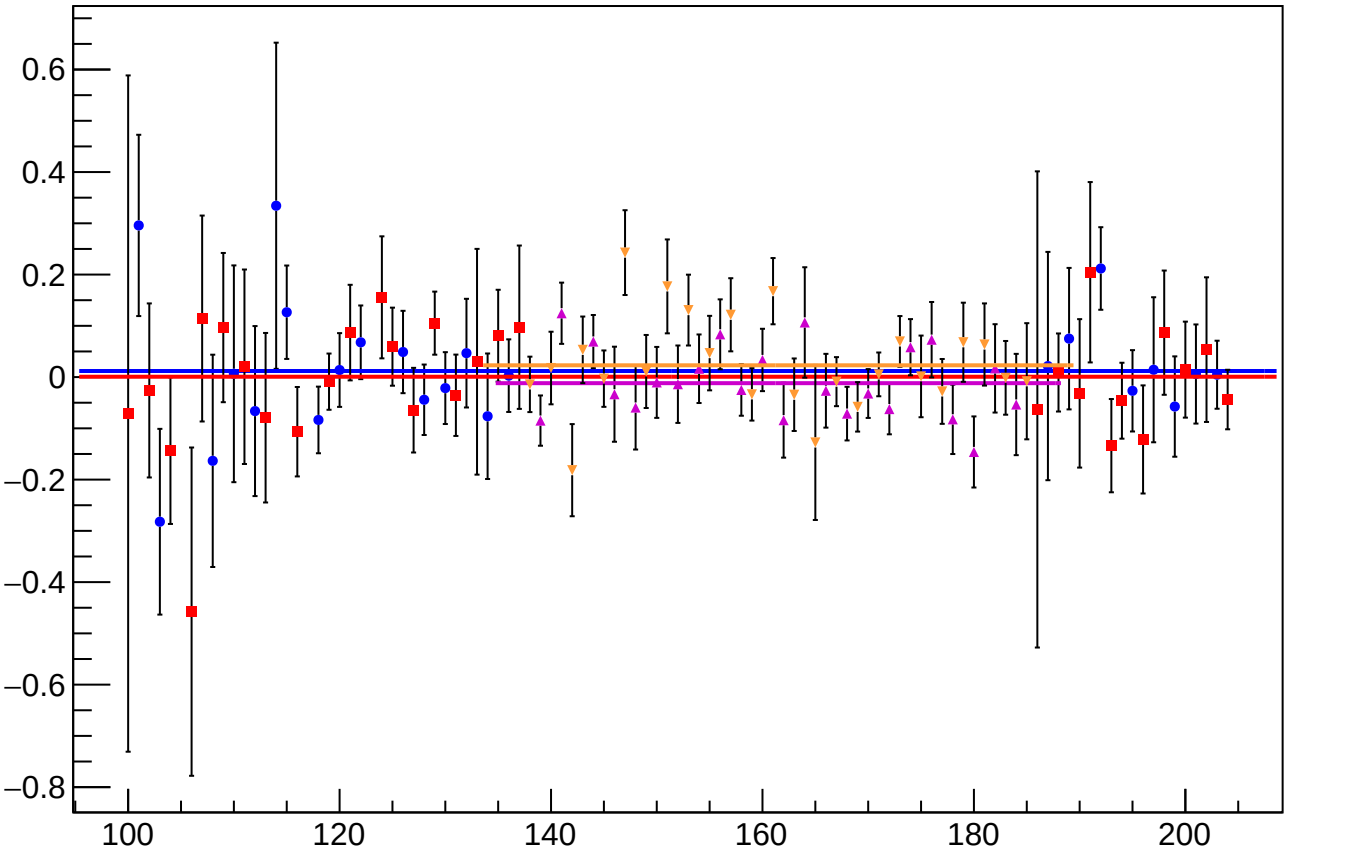
Right Out: 64.008+/-0.013 χ^2/NDF: 4278341.0/29

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 57.156+/-0.008 χ^2/NDF: 5494572.0/48

All: 57.527+/-0.005 χ^2/NDF: 11308721.6/101

- sign 57.897+/-0.008 χ^2/NDF: 5809389.9/52



Right In: 0.012+/-0.019 χ^2/NDF: 20.4/23

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

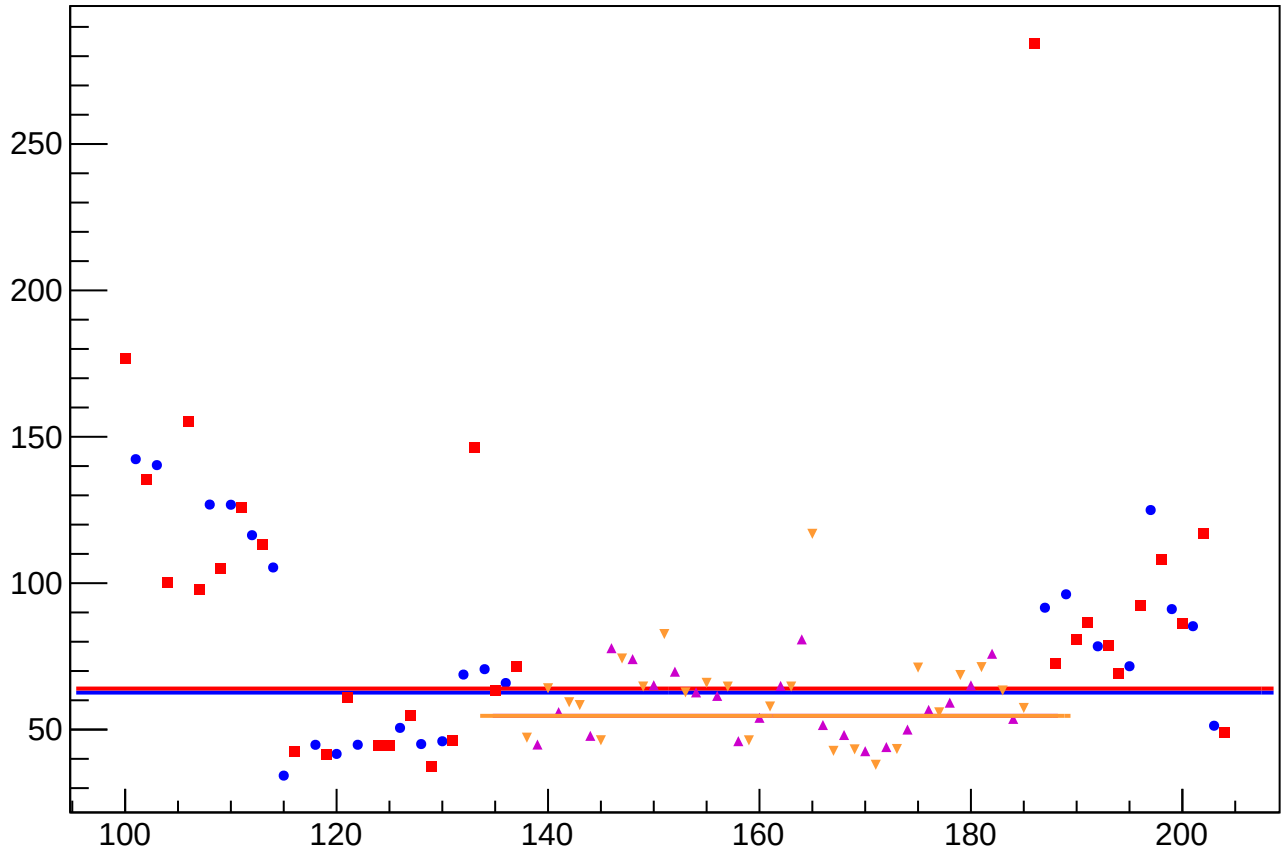
Right Out: 0.001+/-0.018 χ^2/NDF: 20.3/29

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.020+/-0.011 χ^2/NDF: 54.8/48

All: 0.006+/-0.008 χ^2/NDF: 104.5/101

- sign -0.008+/-0.011 χ^2/NDF: 46.5/52



Right In: 62.634+/-0.014 χ^2/NDF: 3323101.8/23

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

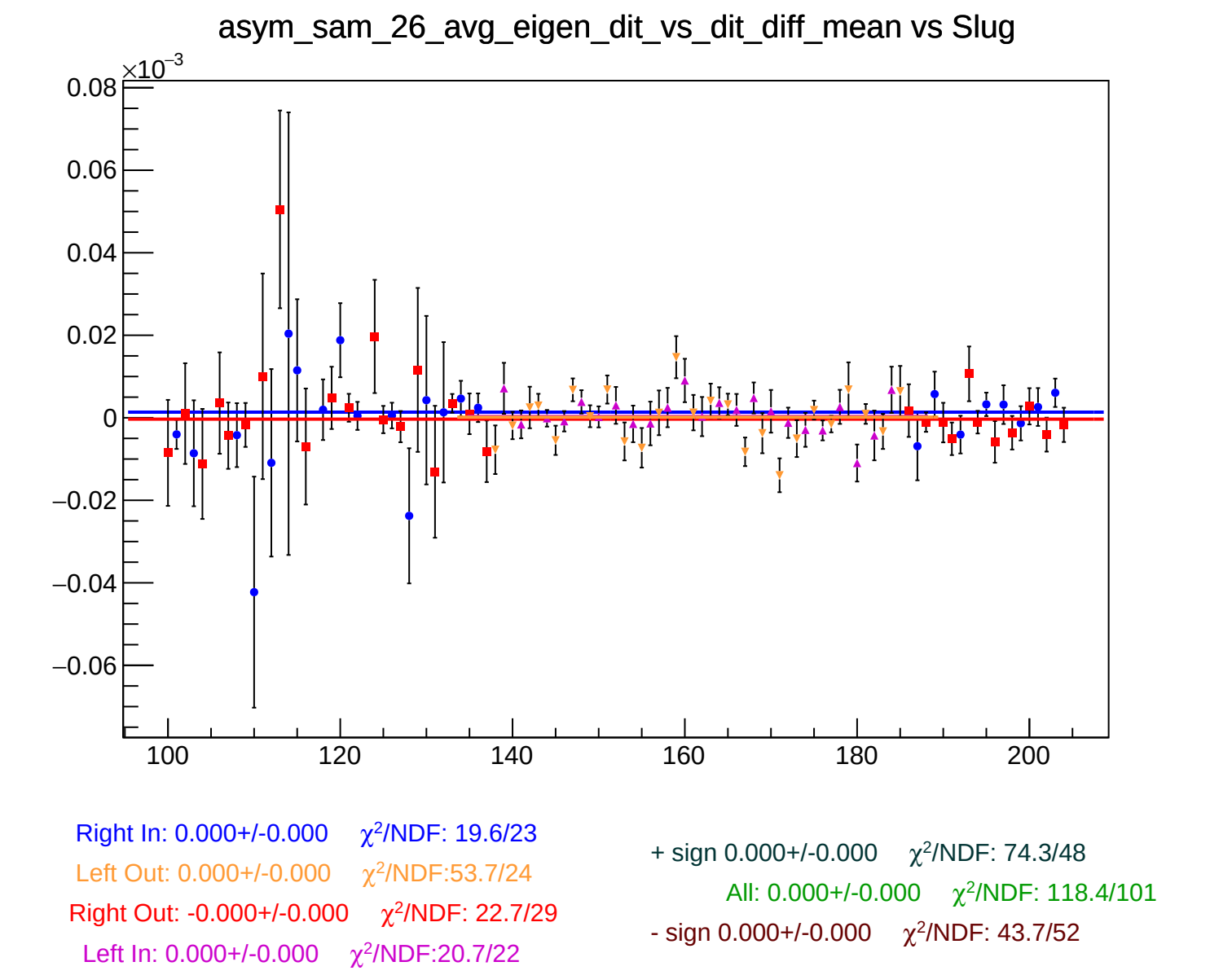
Right Out: 64.008+/-0.013 χ^2/NDF: 4278341.0/29

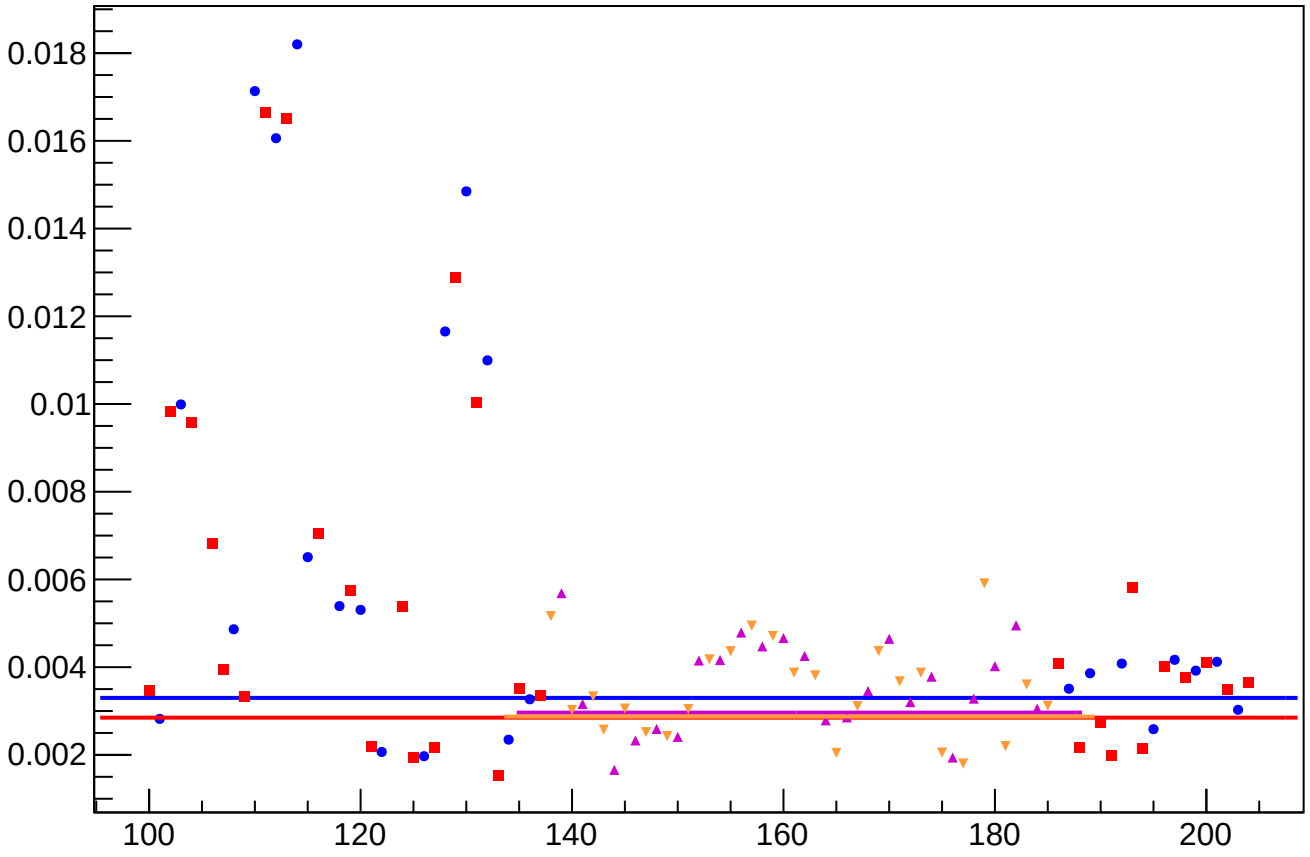
Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 57.156+/-0.008 χ^2/NDF: 5494572.0/48

All: 57.527+/-0.005 χ^2/NDF: 11308721.6/101

- sign 57.897+/-0.008 χ^2/NDF: 5809389.9/52


asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 19.6/23
Left Out: 0.000+/-0.000 χ²/NDF:53.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.7/29
Left In: 0.000+/-0.000 χ²/NDF:20.7/22
+ sign 0.000+/-0.000 χ²/NDF: 74.3/48
All: 0.000+/-0.000 χ²/NDF: 118.4/101
- sign 0.000+/-0.000 χ²/NDF: 43.7/52



Right In: 0.003+/-0.000 χ^2/NDF: 4959275.0/23

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

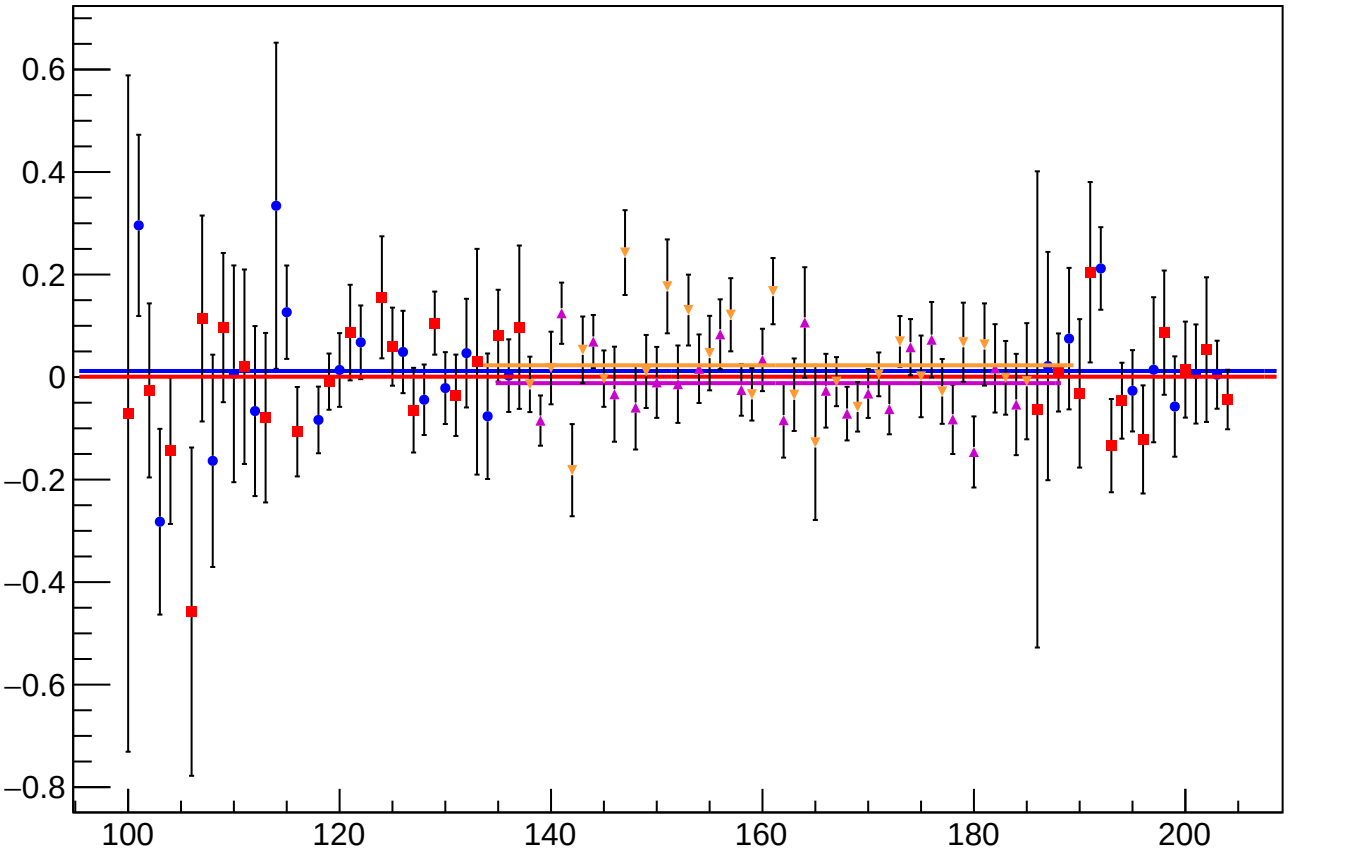
Right Out: 0.003+/-0.000 χ^2/NDF: 6528109.4/29

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 8796517.5/48

All: 0.003+/-0.000 χ^2/NDF: 18988962.6/101

- sign 0.003+/-0.000 χ^2/NDF: 10167387.5/52



Right In: 0.012+/-0.019 χ^2/NDF: 20.4/23

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

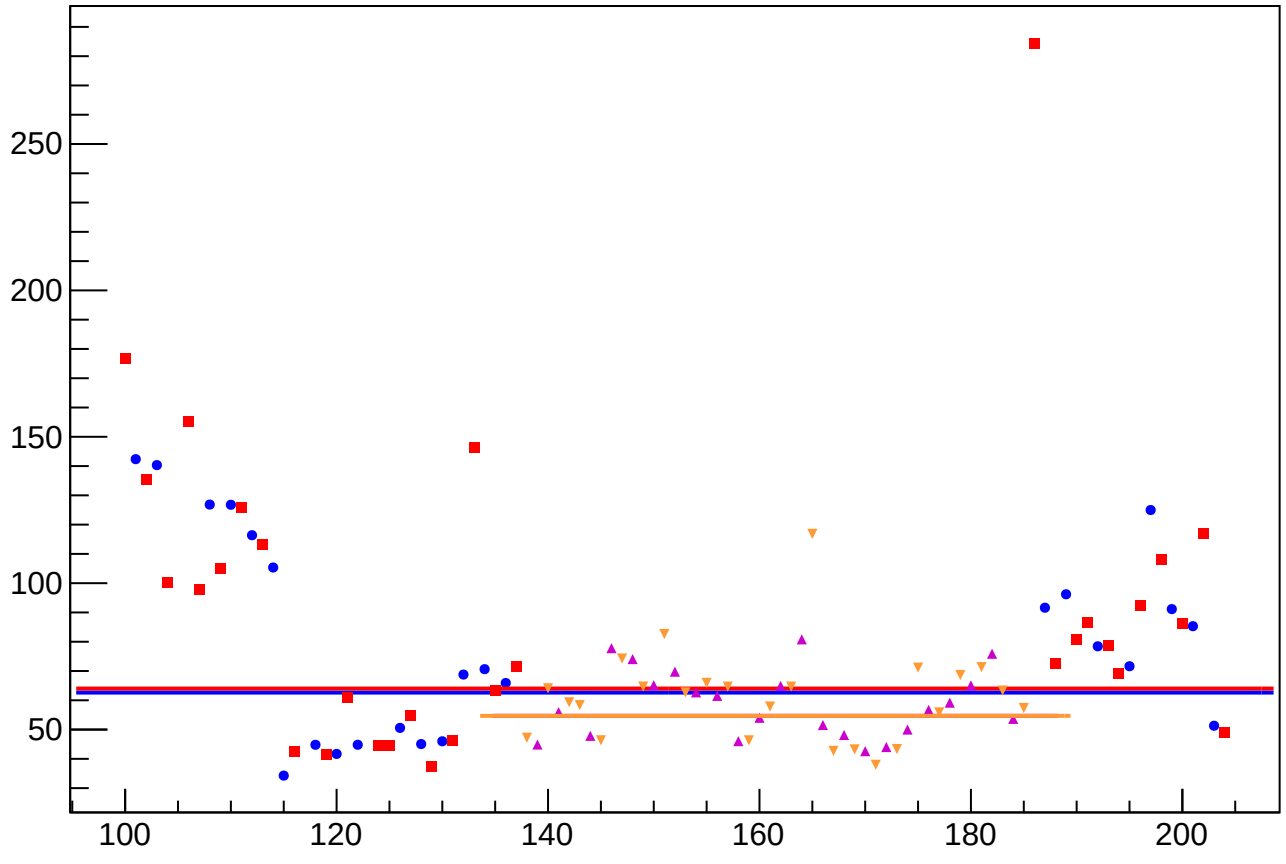
Right Out: 0.001+/-0.018 χ^2/NDF: 20.3/29

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.020+/-0.011 χ^2/NDF: 54.8/48

All: 0.006+/-0.008 χ^2/NDF: 104.5/101

- sign -0.008+/-0.011 χ^2/NDF: 46.5/52



Right In: 62.634+/-0.014 χ^2/NDF: 3323078.4/23

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

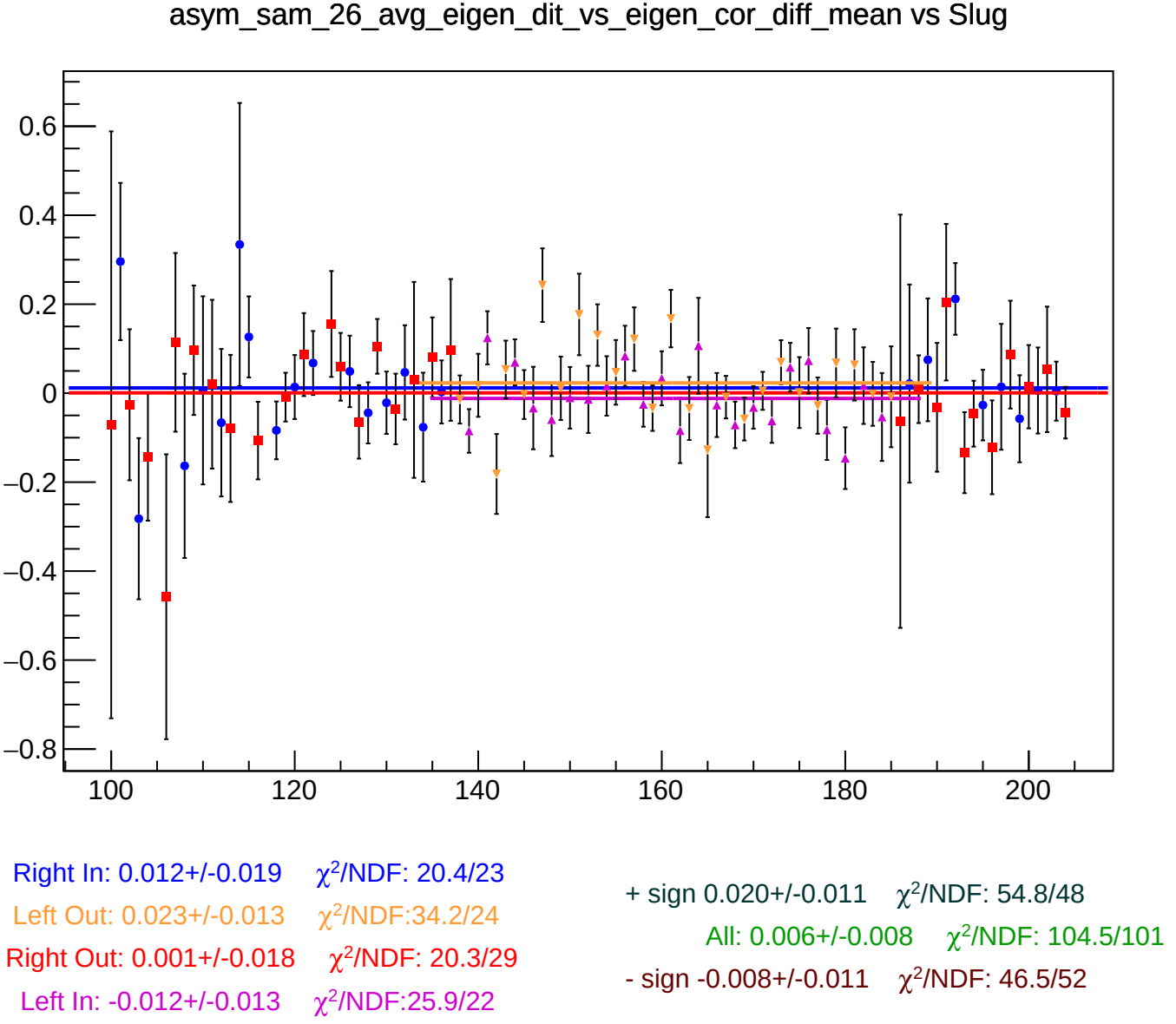
Right Out: 64.008+/-0.013 χ^2/NDF: 4278348.8/29

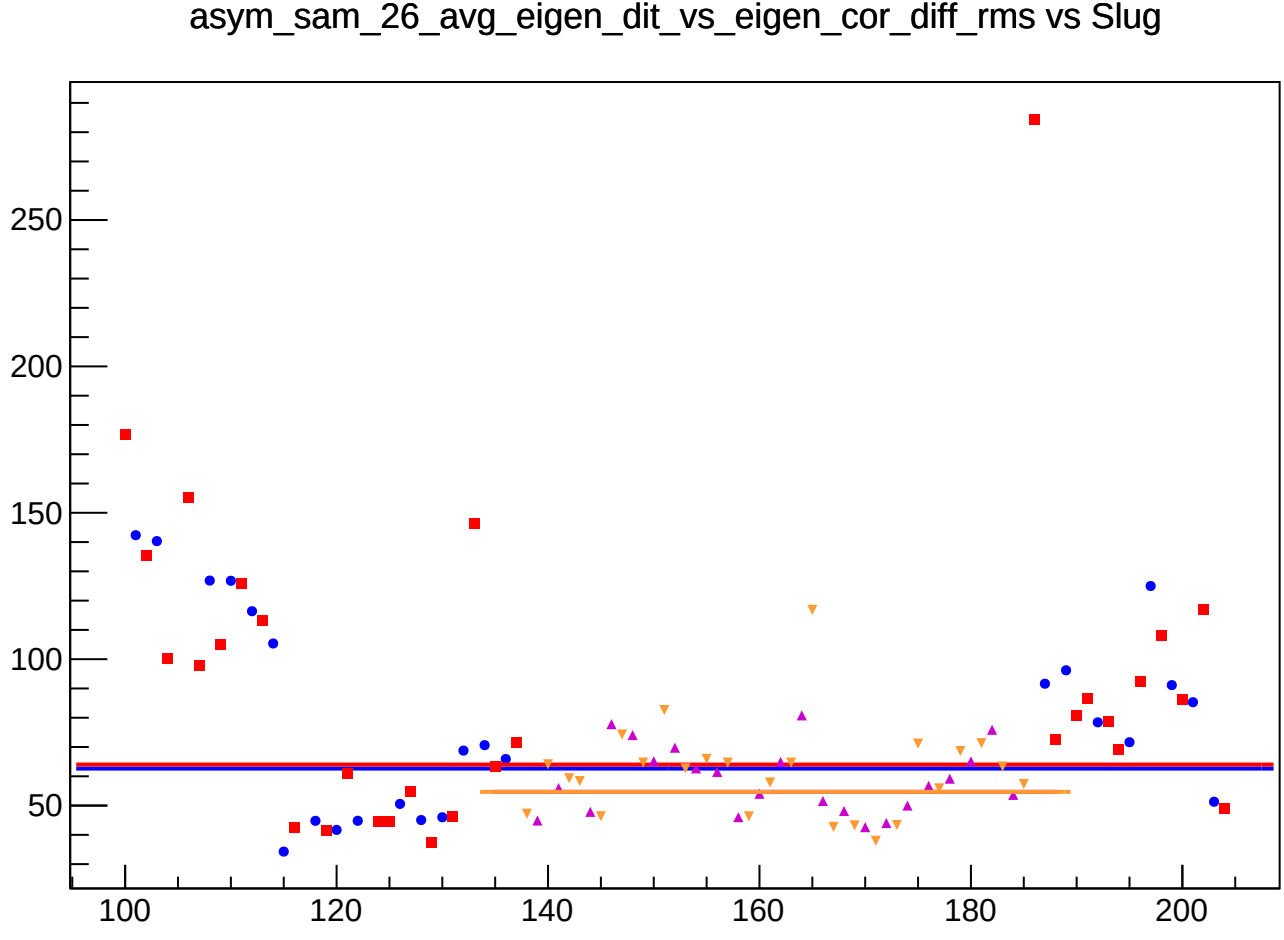
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 57.157+/-0.008 χ^2/NDF: 5494507.3/48

All: 57.527+/-0.005 χ^2/NDF: 11308566.9/101

- sign 57.897+/-0.008 χ^2/NDF: 5809299.6/52


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: 0.012+/-0.019 χ²/NDF: 20.4/23
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: 0.001+/-0.018 χ²/NDF: 20.3/29
Left In: -0.012+/-0.013 χ²/NDF:25.9/22
+ sign 0.020+/-0.011 χ²/NDF: 54.8/48
All: 0.006+/-0.008 χ²/NDF: 104.5/101
- sign -0.008+/-0.011 χ²/NDF: 46.5/52



Right In: 62.634+/-0.014 χ^2/NDF: 3323078.4/23

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 64.008+/-0.013 χ^2/NDF: 4278348.8/29

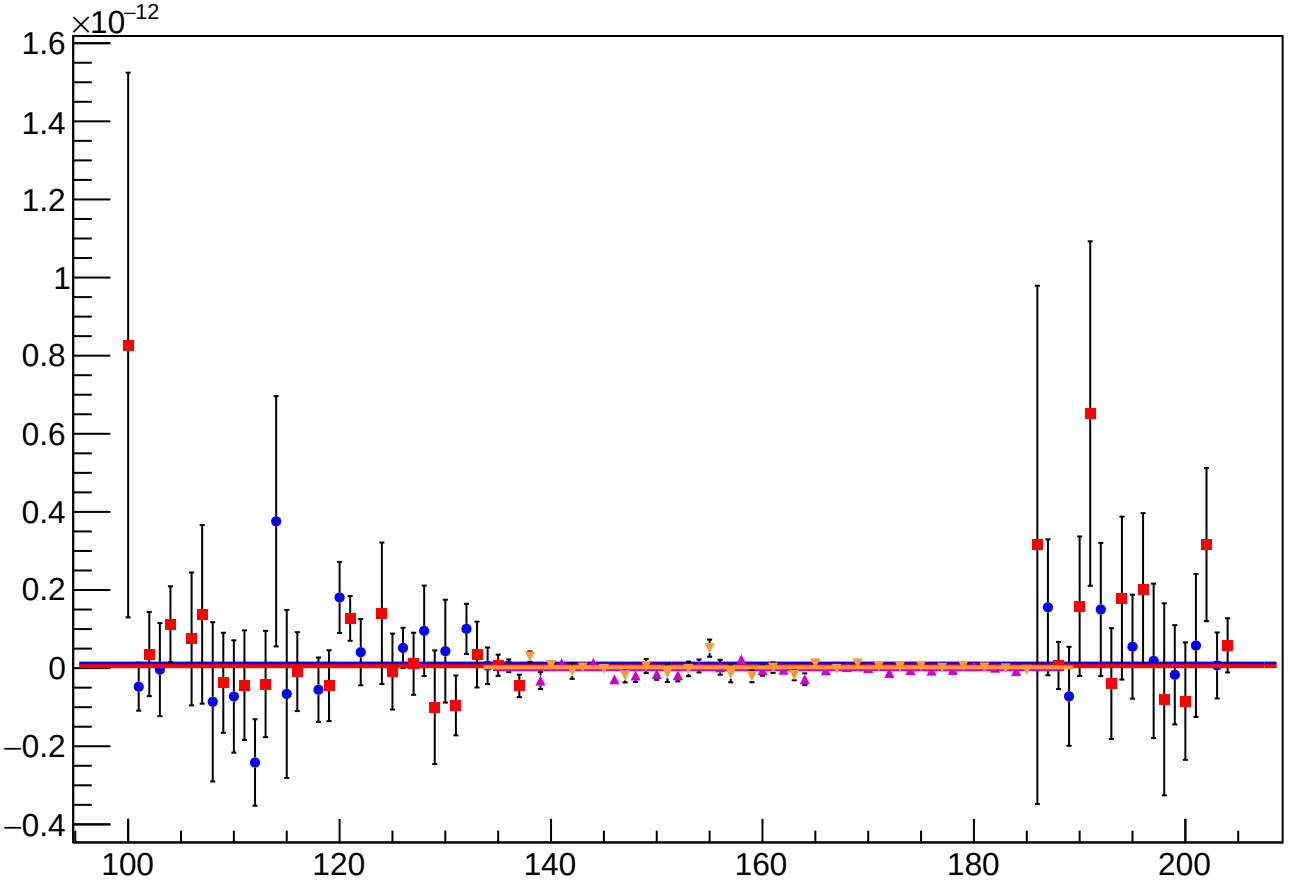
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 57.157+/-0.008 χ^2/NDF: 5494507.3/48

All: 57.527+/-0.005 χ^2/NDF: 11308566.9/101

- sign 57.897+/-0.008 χ^2/NDF: 5809299.6/52

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

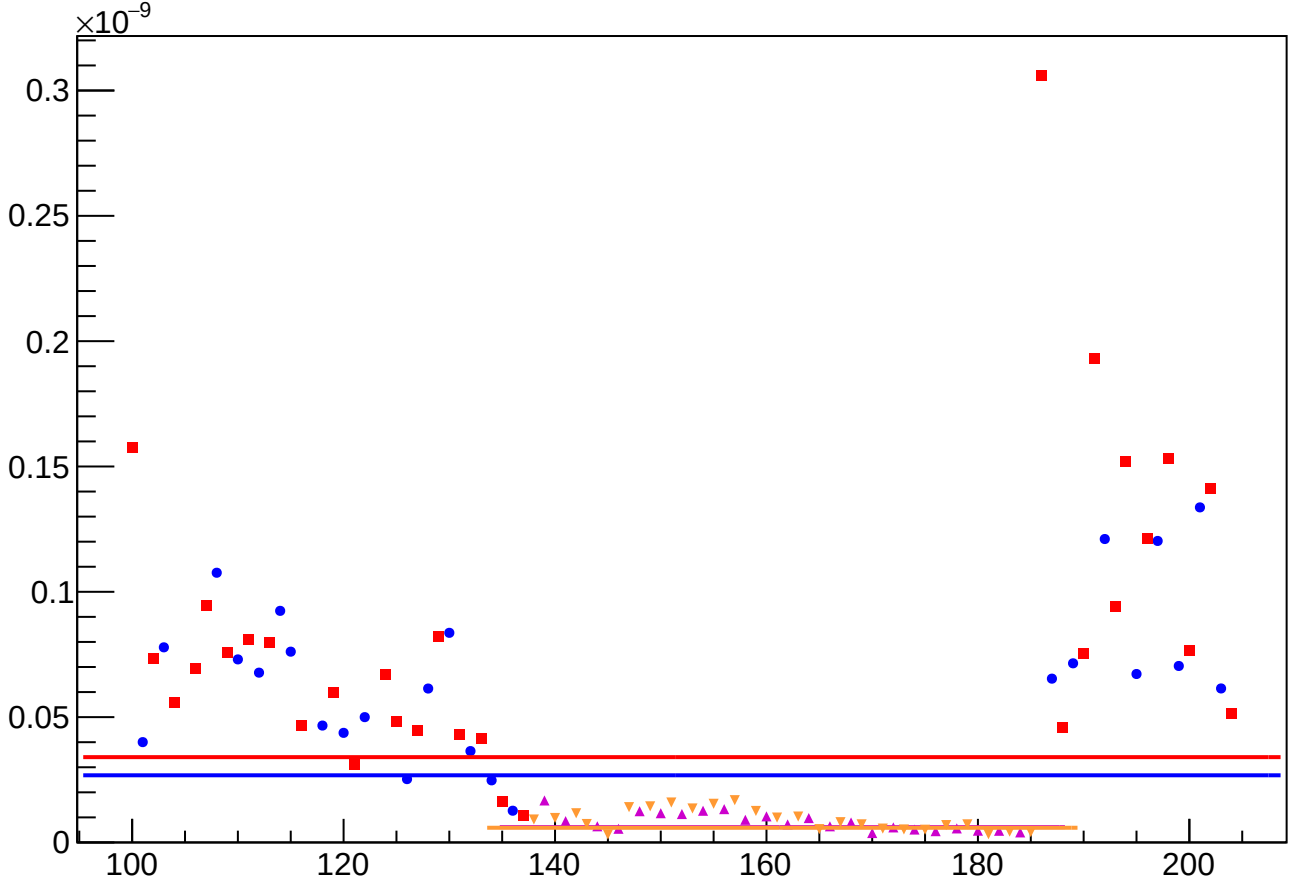
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/29

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.9/48

All: -0.000+/-0.000 χ^2/NDF: 99.0/101

- sign -0.000+/-0.000 χ^2/NDF: 56.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 6747189.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7632007.8/29

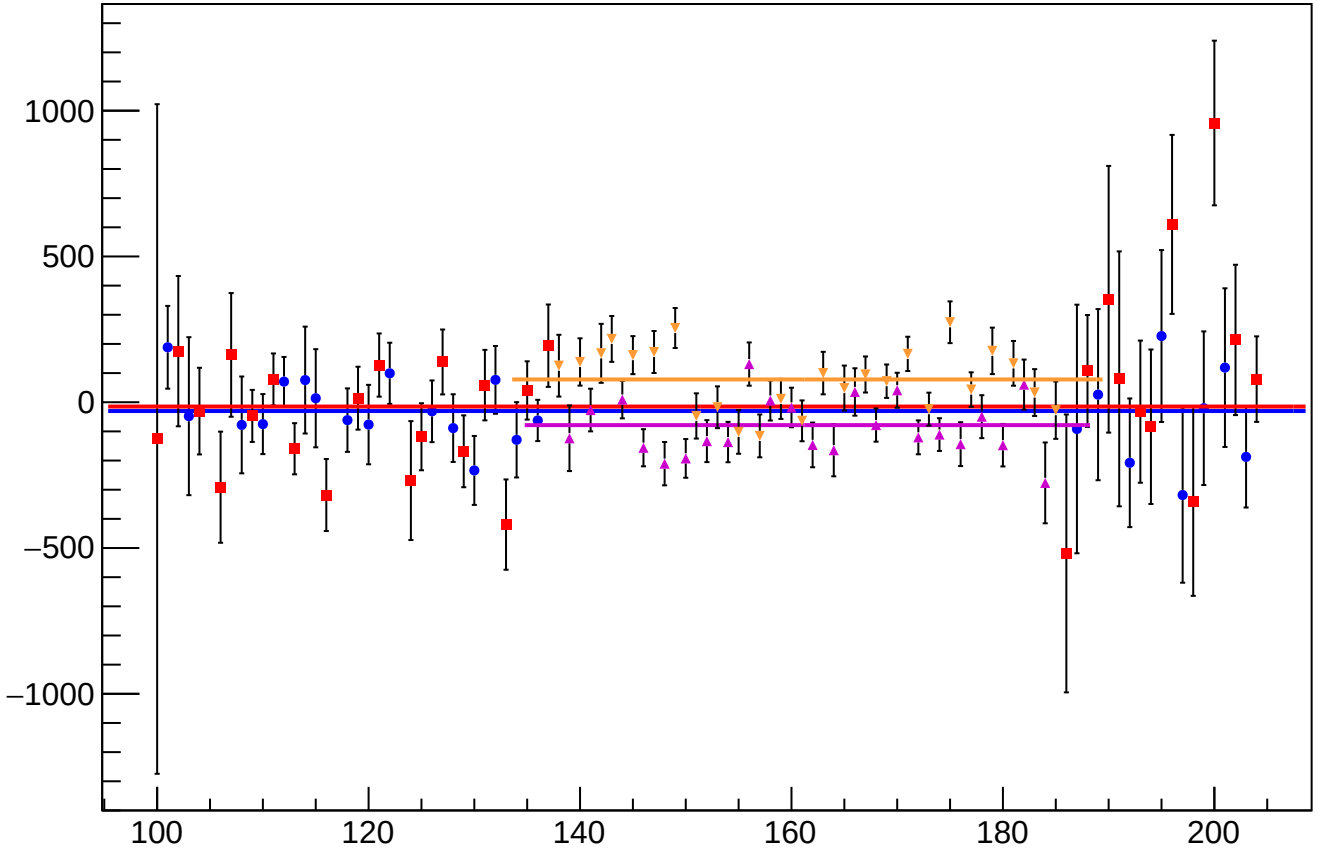
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17773192.3/48

All: 0.000+/-0.000 χ^2/NDF: 36192739.6/101

- sign 0.000+/-0.000 χ^2/NDF: 18392840.9/52

reg_asym_sam_37_avg_mean vs Slug



Right In: -30.170+/-27.549 χ^2/NDF: 14.6/23

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -14.836+/-26.707 χ^2/NDF: 51.1/29

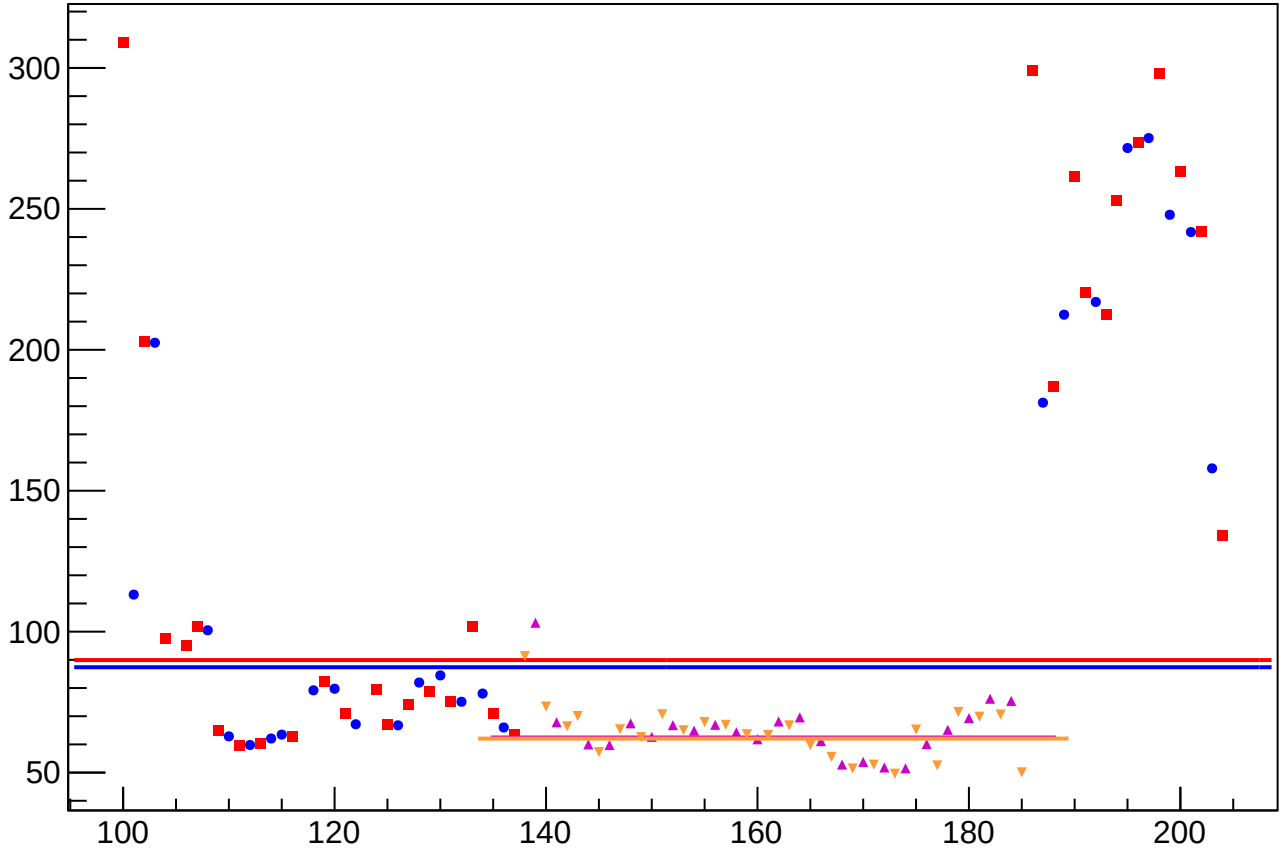
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 55.102+/-12.710 χ^2/NDF: 80.6/48

All: -3.092+/-9.072 χ^2/NDF: 215.5/101

- sign -63.530+/-12.953 χ^2/NDF: 92.1/52

reg_asym_sam_37_avg_rms vs Slug



Right In: 87.380+/-0.019 χ^2/NDF: 5660047.3/23

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 89.919+/-0.019 χ^2/NDF: 7363784.9/29

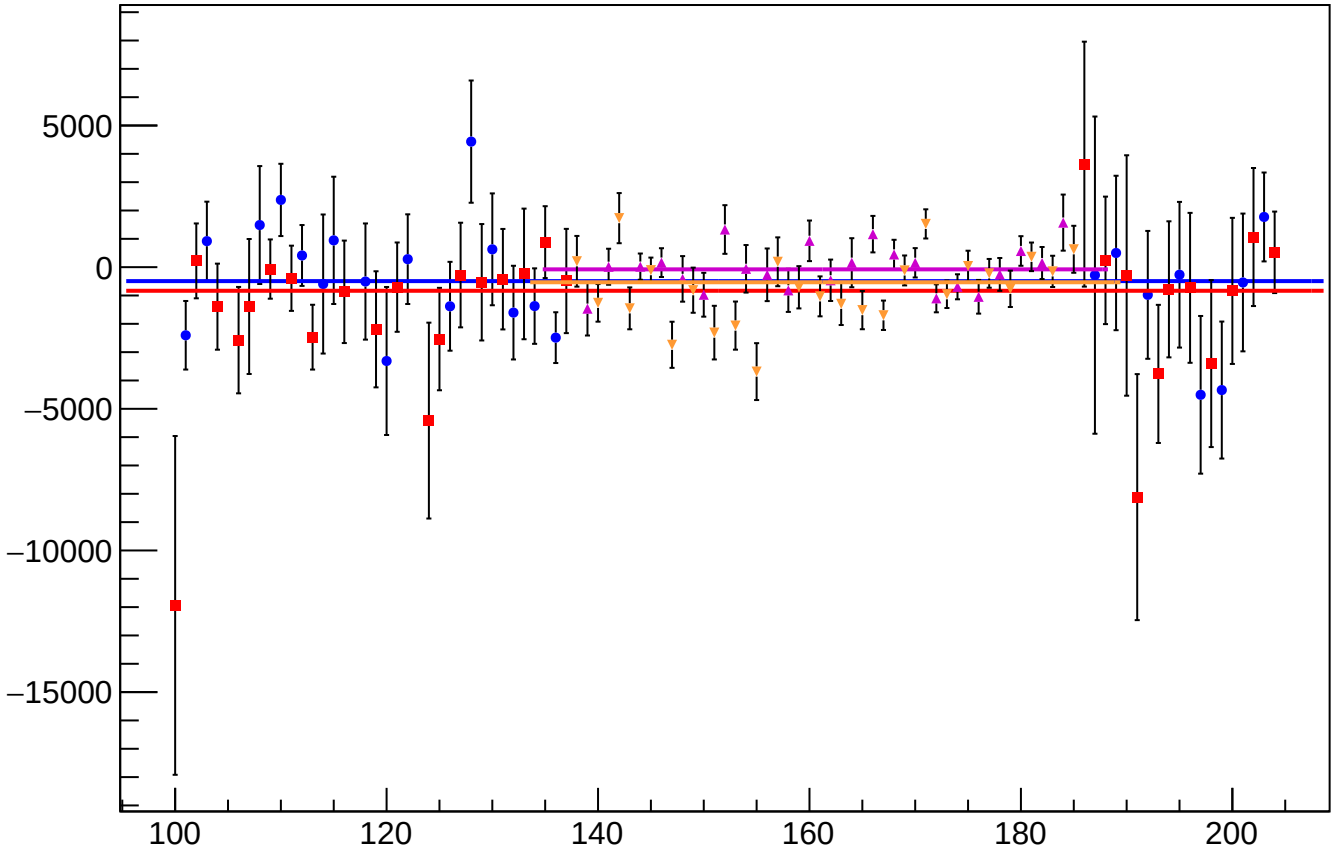
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 67.451+/-0.009 χ^2/NDF: 7676167.3/48

All: 68.166+/-0.006 χ^2/NDF: 17336108.0/101

- sign 68.907+/-0.009 χ^2/NDF: 9647064.7/52

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -492.476+/-343.003 χ^2/NDF: 30.6/23

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -833.284+/-333.732 χ^2/NDF: 20.9/29

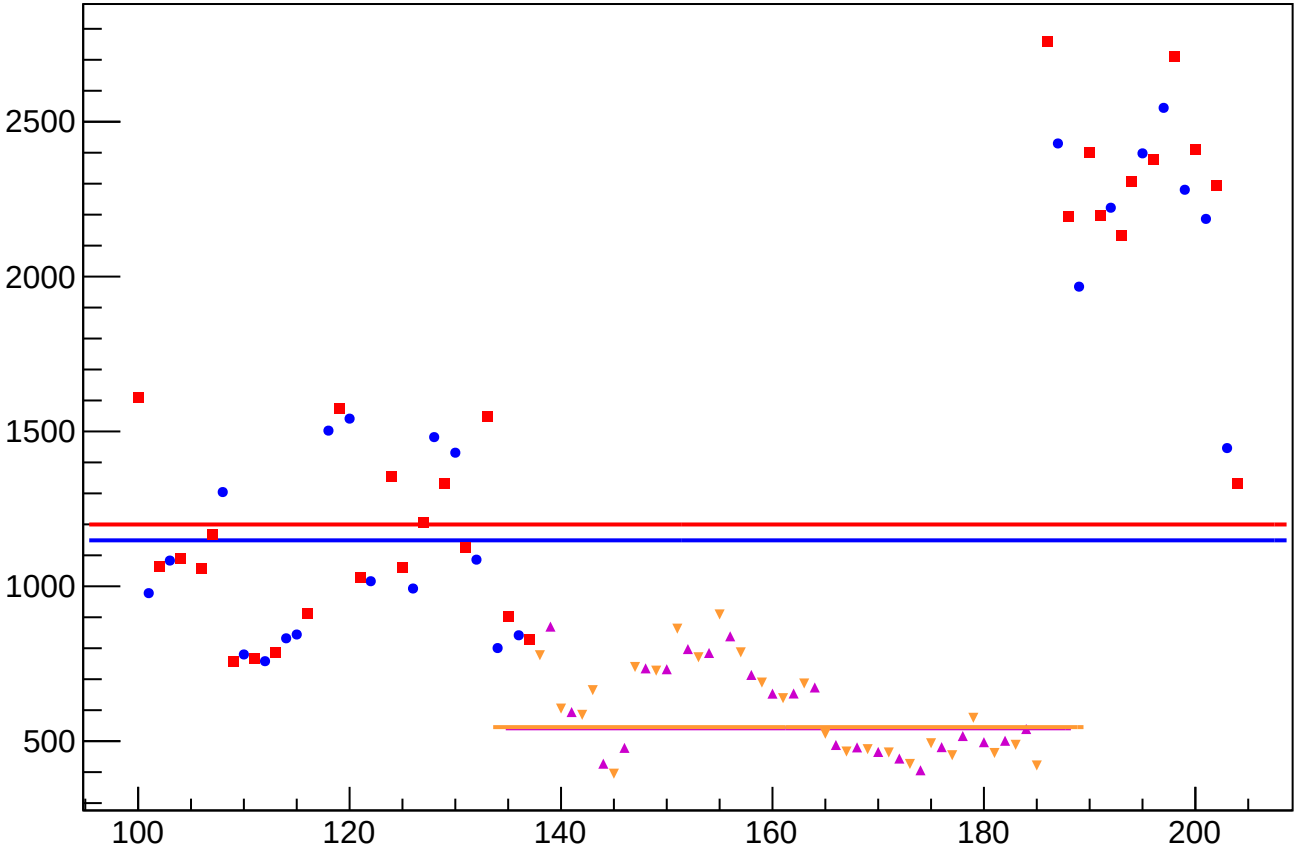
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -527.857+/-119.862 χ^2/NDF: 99.7/48

All: -354.850+/-85.290 χ^2/NDF: 157.6/101

- sign -177.401+/-121.391 χ^2/NDF: 53.7/52

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1148.388+/-0.243 χ^2/NDF: 3745438.7/23

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1199.600+/-0.236 χ^2/NDF: 4775782.6/29

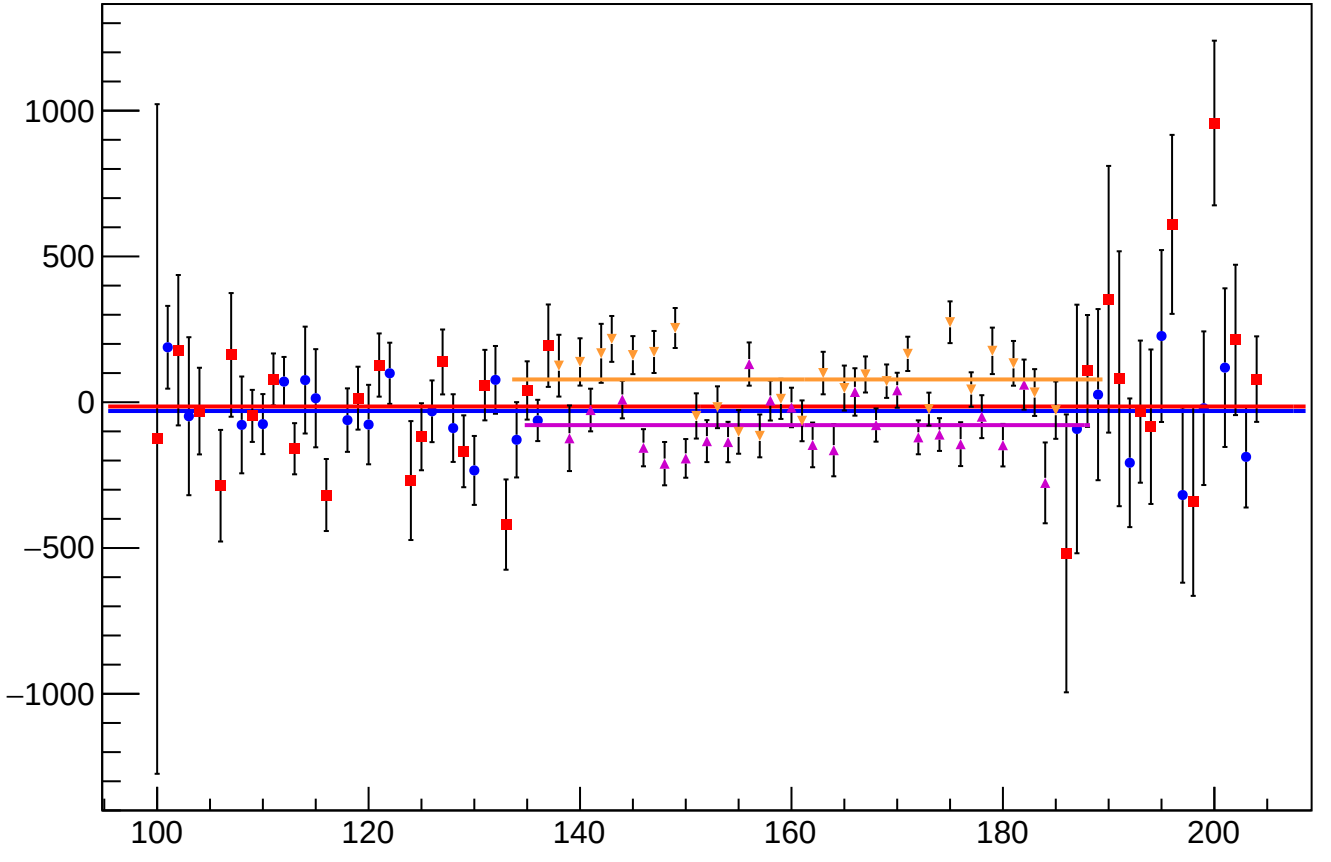
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 618.949+/-0.085 χ^2/NDF: 11256976.0/48

All: 623.680+/-0.060 χ^2/NDF: 24628443.7/10

- sign 628.533+/-0.086 χ^2/NDF: 13365155.0/52

cor_asym_sam_37_avg_mean vs Slug



Right In: -30.177+/-27.549 χ^2/NDF: 14.6/23

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -14.657+/-26.710 χ^2/NDF: 51.0/29

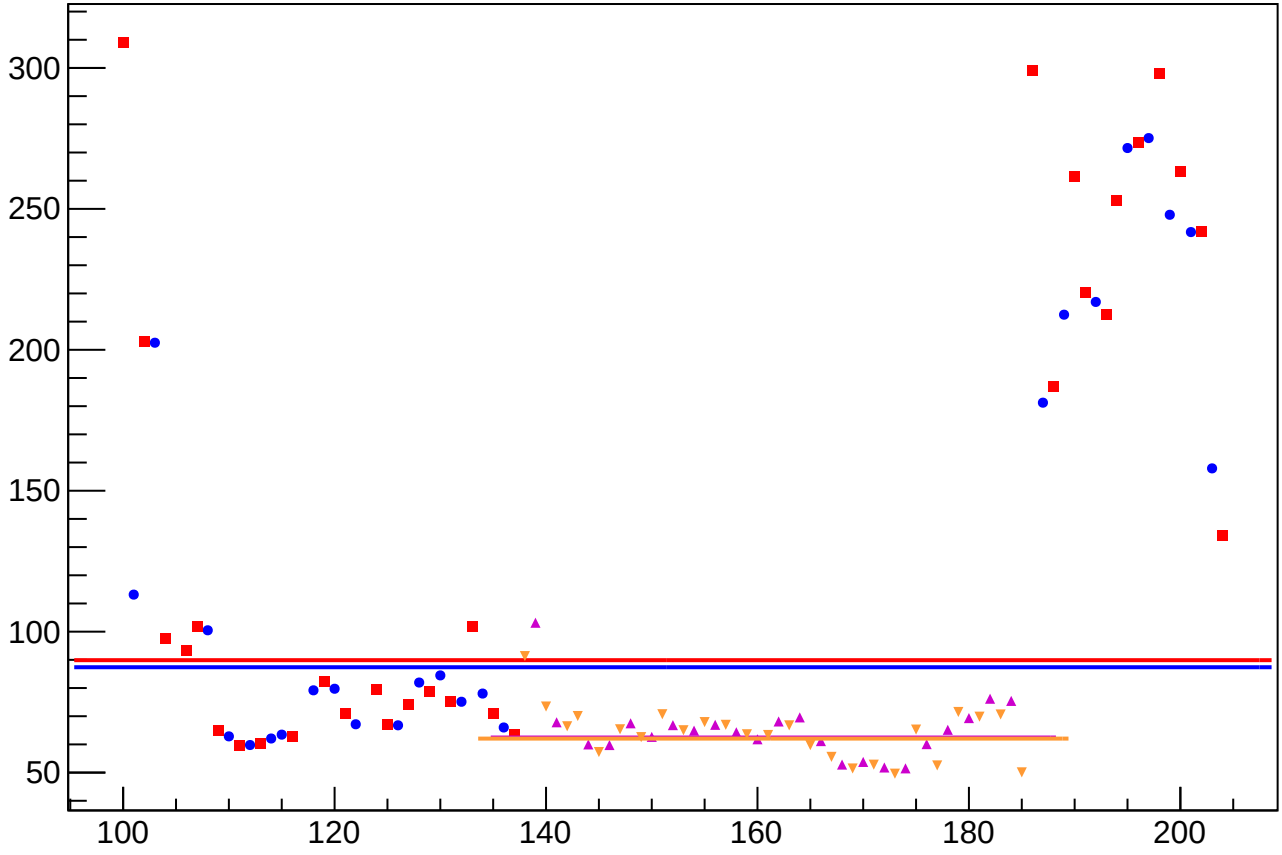
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 55.103+/-12.710 χ^2/NDF: 80.6/48

All: -3.070+/-9.072 χ^2/NDF: 215.4/101

- sign -63.490+/-12.953 χ^2/NDF: 92.1/52

cor_asym_sam_37_avg_rms vs Slug



Right In: 87.380+/-0.019 χ^2/NDF: 5660049.7/23

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 89.885+/-0.019 χ^2/NDF: 7363201.7/29

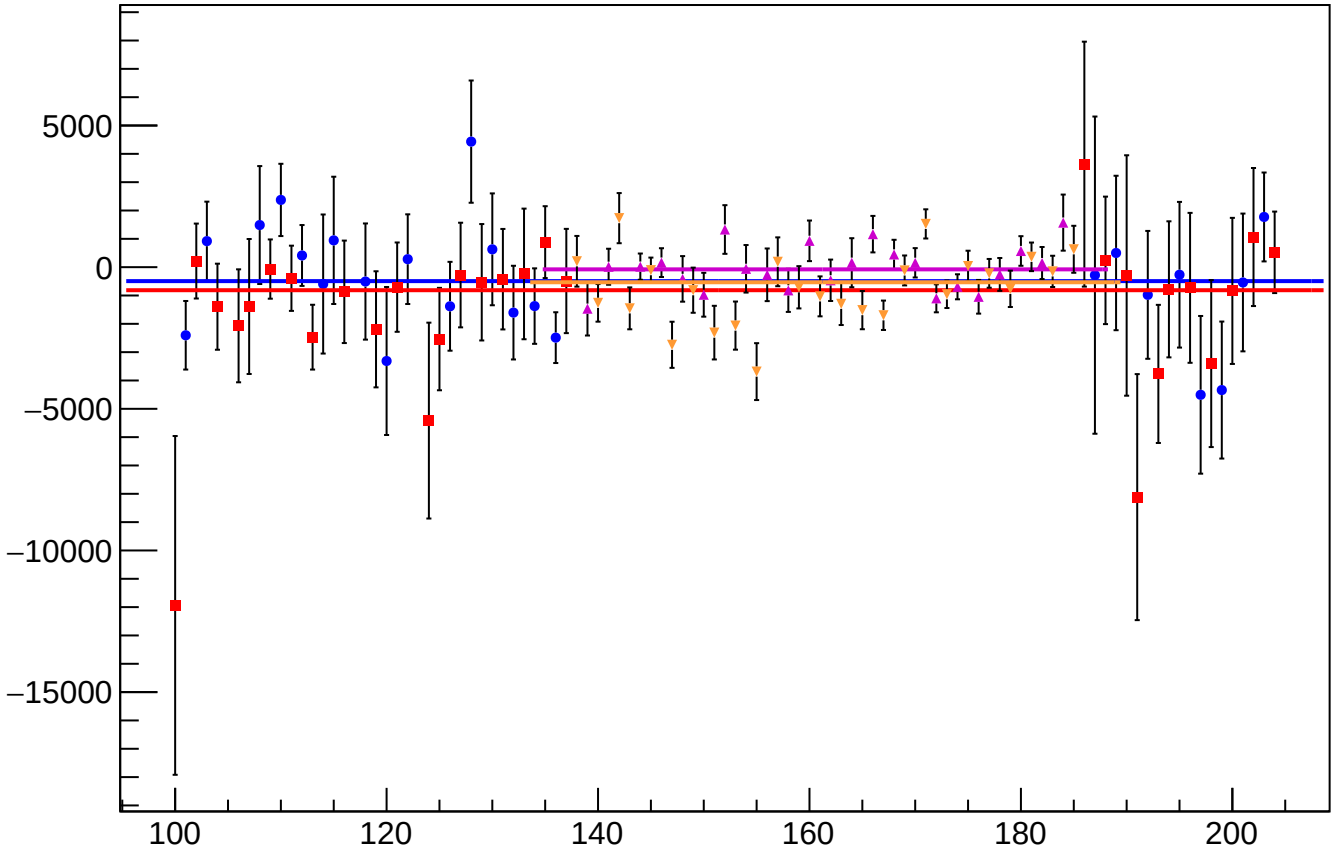
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 67.451+/-0.009 χ^2/NDF: 7676169.2/48

All: 68.161+/-0.006 χ^2/NDF: 17331144.6/101

- sign 68.899+/-0.009 χ^2/NDF: 9642256.1/52

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -492.463+/-343.005 χ^2/NDF: 30.6/23

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -813.383+/-334.347 χ^2/NDF: 20.4/29

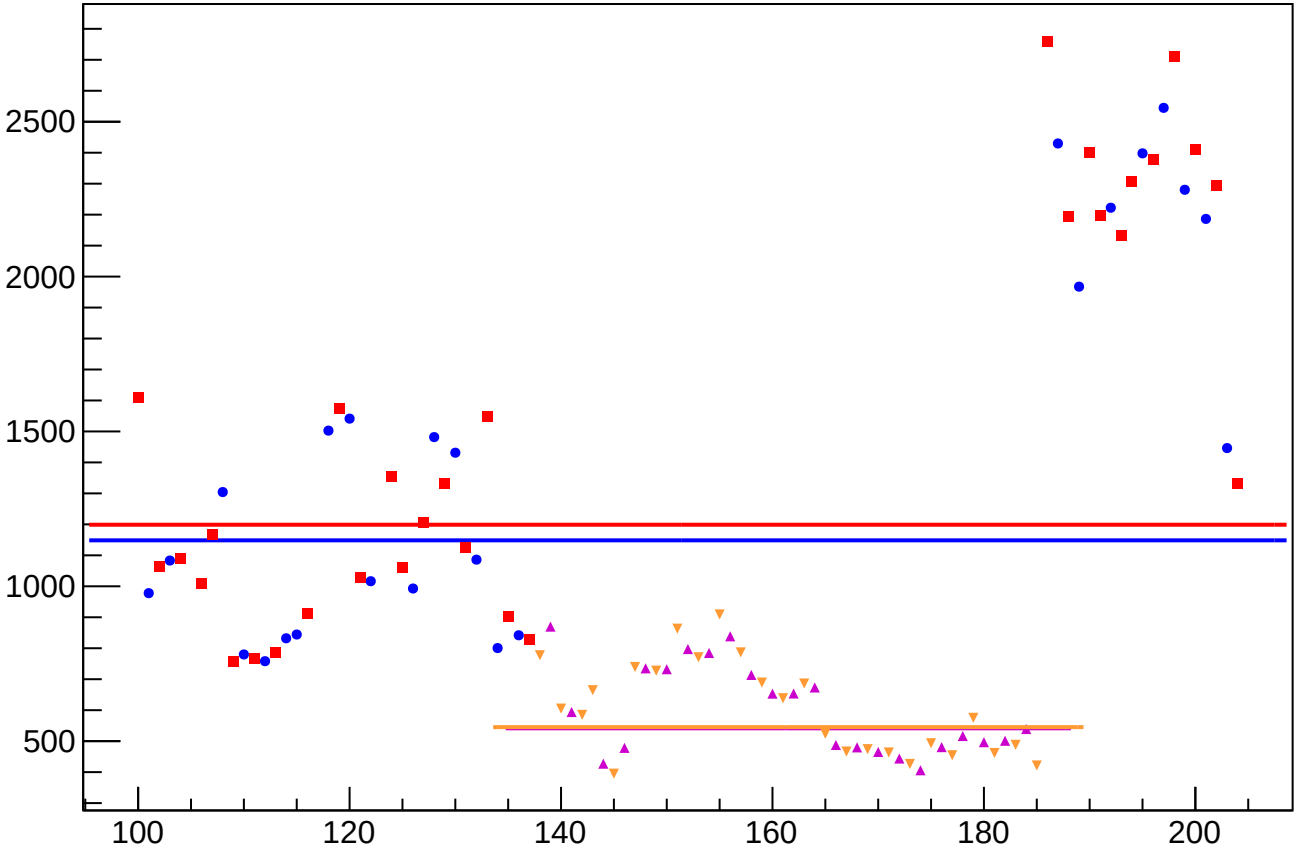
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -527.853+/-119.862 χ^2/NDF: 99.7/48

All: -353.438+/-85.301 χ^2/NDF: 157.0/101

- sign -174.457+/-121.420 χ^2/NDF: 53.0/52

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 1148.395+/-0.243 χ^2/NDF: 3745427.7/23

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1198.820+/-0.236 χ^2/NDF: 4782257.9/29

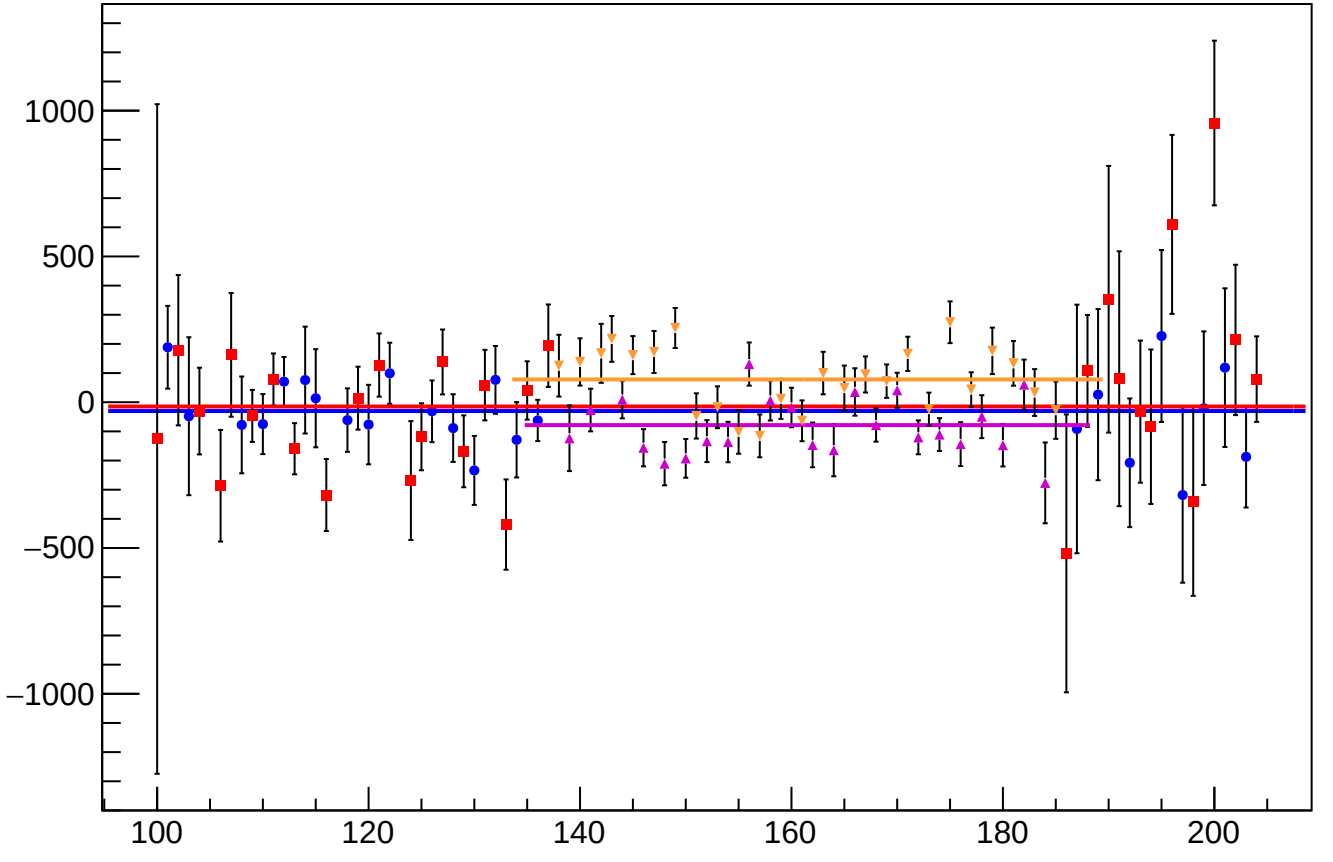
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 618.949+/-0.085 χ^2/NDF: 11257031.5/48

All: 623.491+/-0.060 χ^2/NDF: 24597012.8/10

- sign 628.153+/-0.086 χ^2/NDF: 13334161.4/52

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -30.177+/-27.549 χ^2/NDF: 14.6/23

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -14.657+/-26.710 χ^2/NDF: 51.0/29

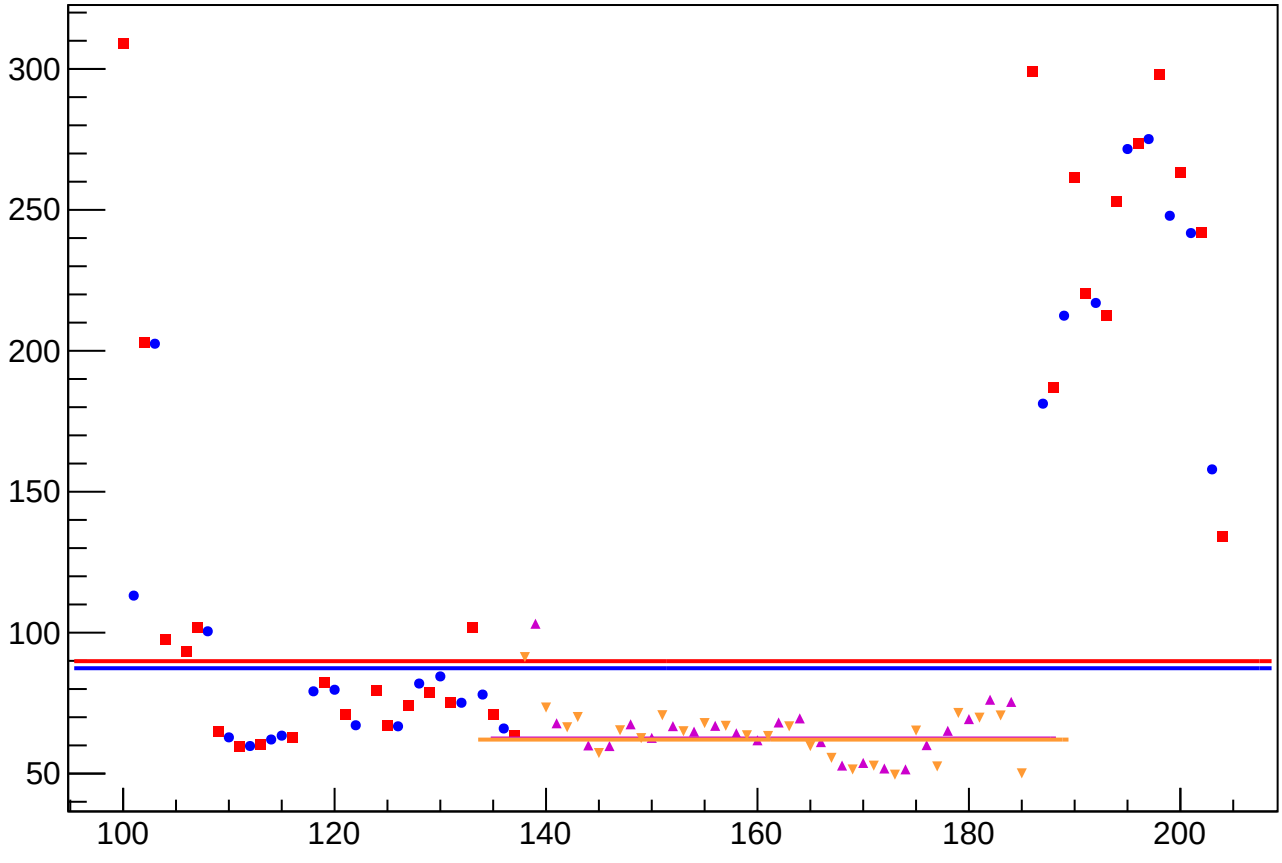
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 55.103+/-12.710 χ^2/NDF: 80.6/48

All: -3.070+/-9.072 χ^2/NDF: 215.4/101

- sign -63.490+/-12.953 χ^2/NDF: 92.1/52

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 87.380+/-0.019 χ^2/NDF: 5660049.7/23

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

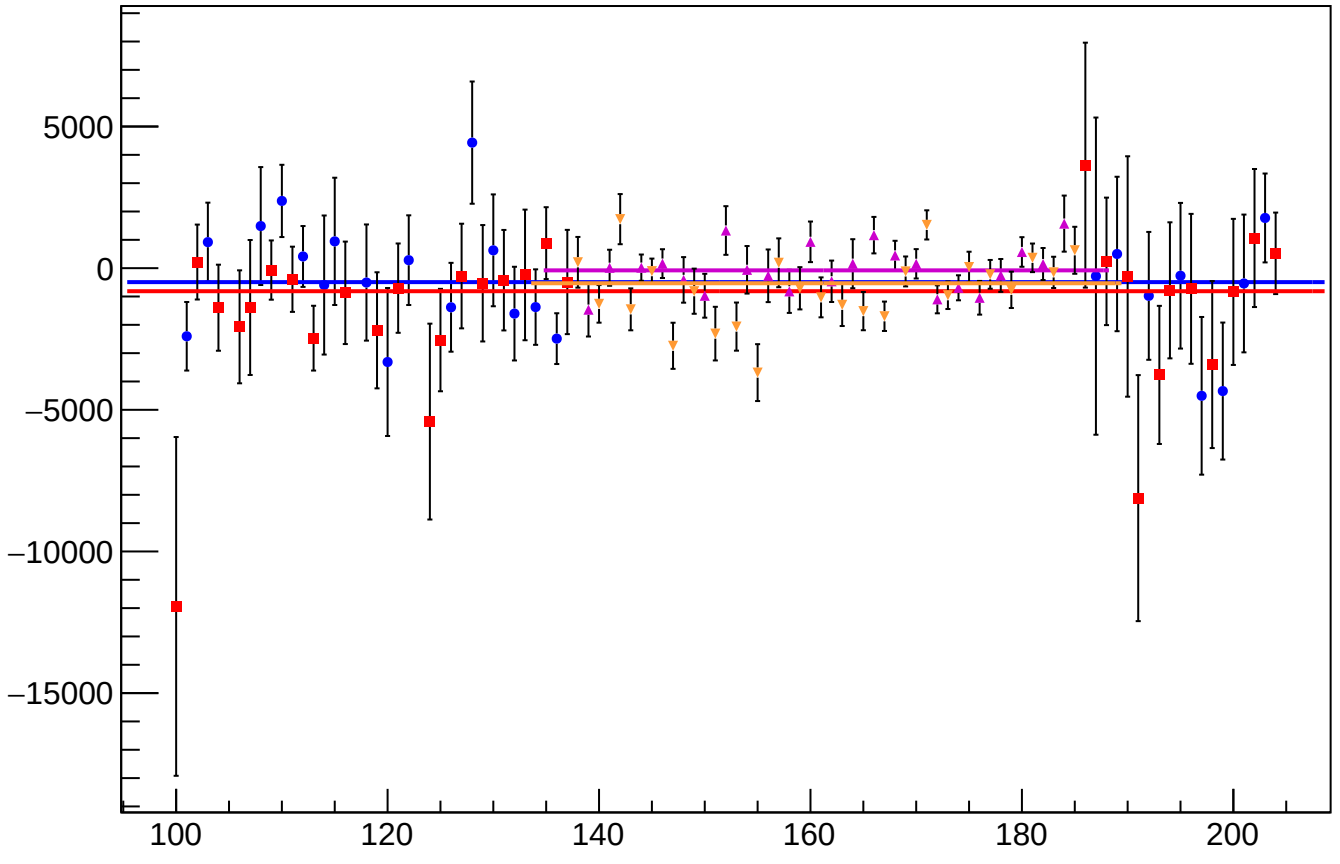
Right Out: 89.885+/-0.019 χ^2/NDF: 7363201.7/29

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 67.451+/-0.009 χ^2/NDF: 7676169.2/48

All: 68.161+/-0.006 χ^2/NDF: 17331144.6/101

- sign 68.899+/-0.009 χ^2/NDF: 9642256.1/52



Right In: -492.463+/-343.005 χ^2/NDF: 30.6/23

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

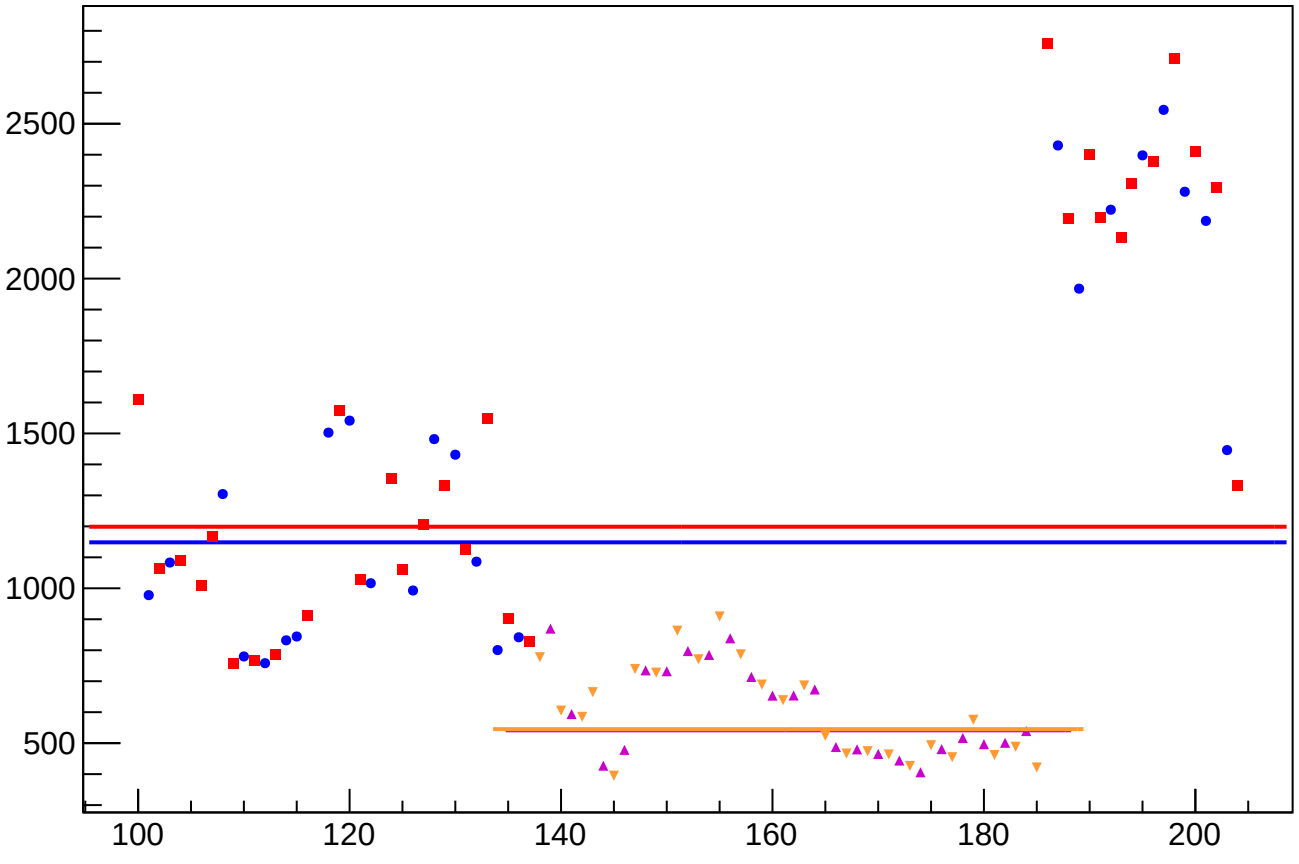
Right Out: -813.383+/-334.347 χ^2/NDF: 20.4/29

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -527.853+/-119.862 χ^2/NDF: 99.7/48

All: -353.438+/-85.301 χ^2/NDF: 157.0/101

- sign -174.457+/-121.420 χ^2/NDF: 53.0/52



Right In: 1148.395+/-0.243 χ^2/NDF: 3745427.7/23

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1198.820+/-0.236 χ^2/NDF: 4782257.9/29

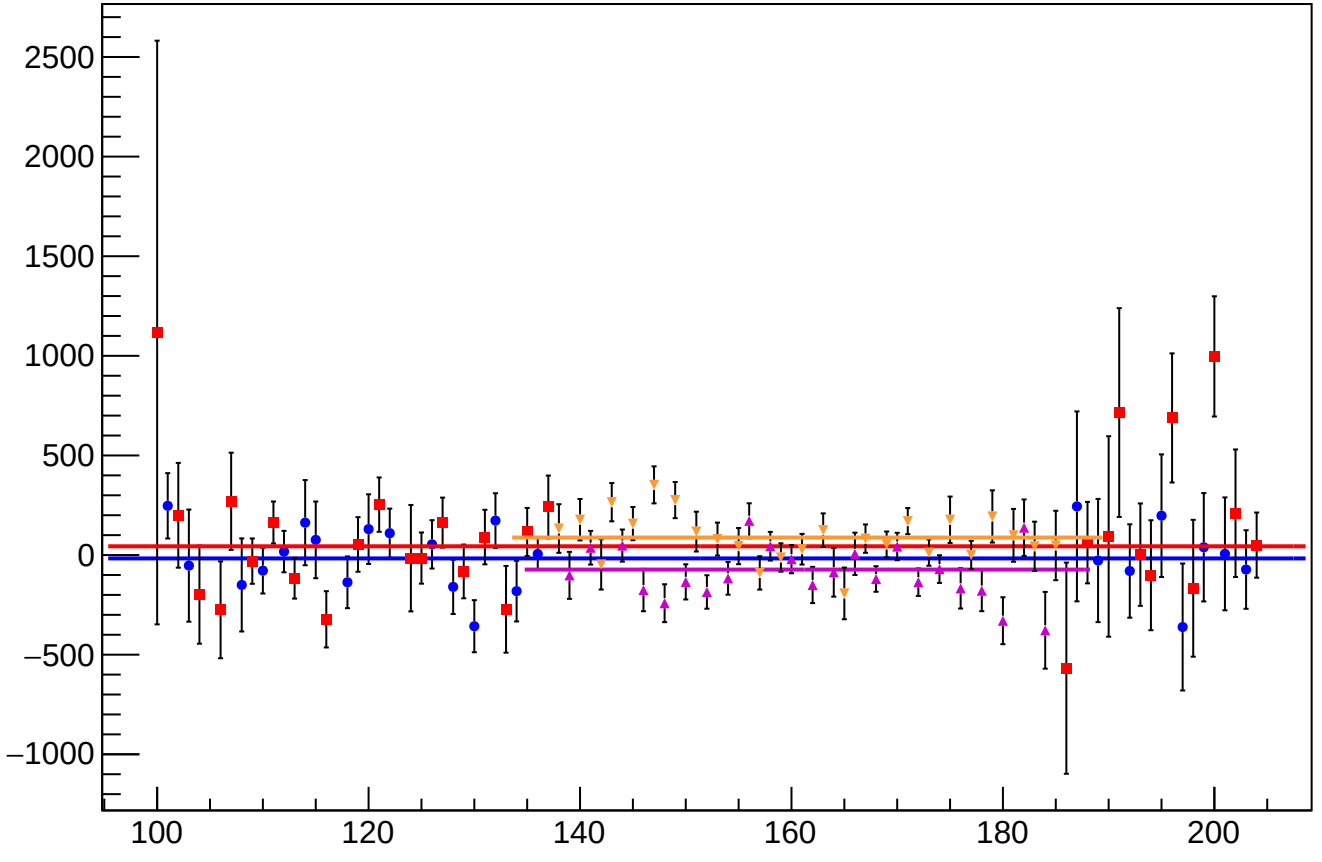
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 618.949+/-0.085 χ^2/NDF: 11257031.5/48

All: 623.491+/-0.060 χ^2/NDF: 24597012.8/10

- sign 628.153+/-0.086 χ^2/NDF: 13334161.4/52

dit_asym_sam_37_avg_mean vs Slug



Right In: -16.810+/-31.903 χ^2/NDF: 20.4/23

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 44.083+/-31.609 χ^2/NDF: 41.7/29

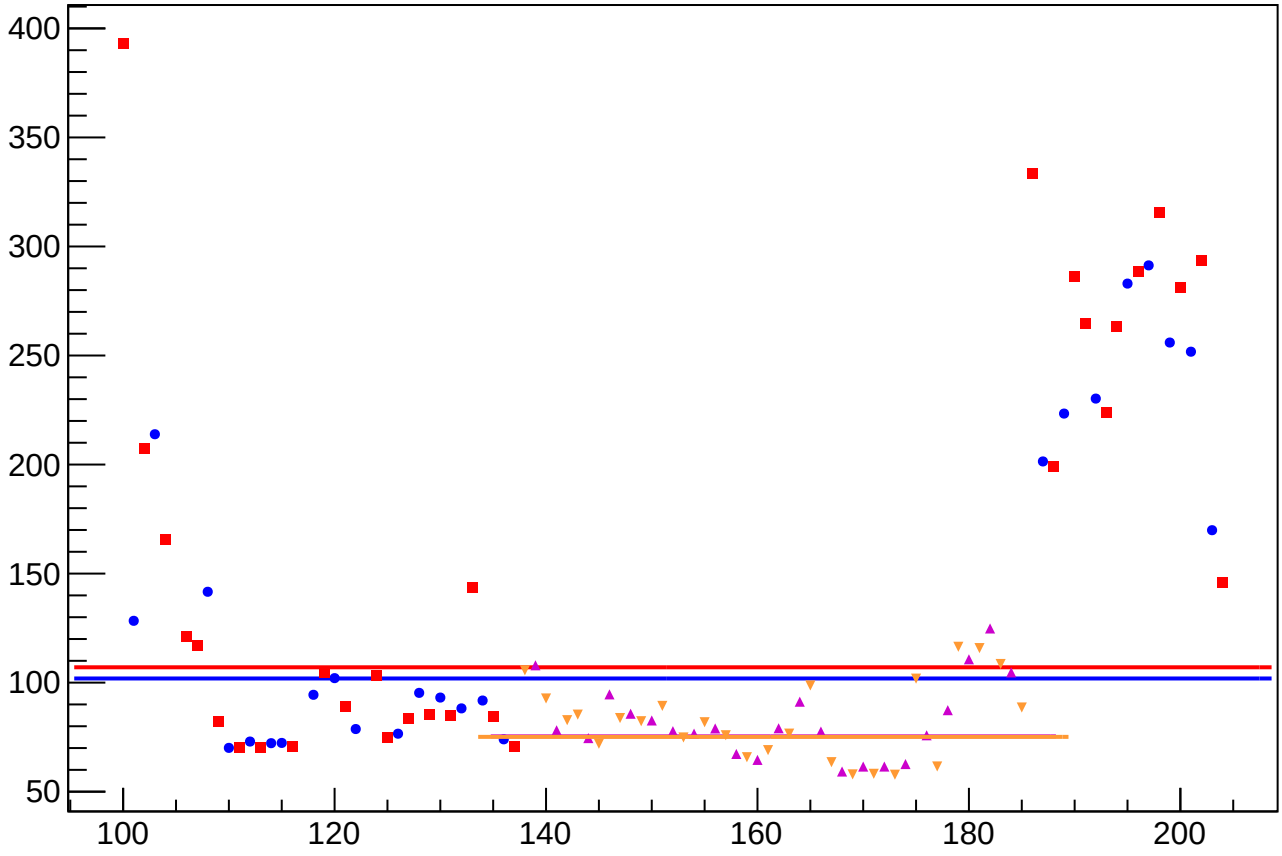
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 63.267+/-15.507 χ^2/NDF: 65.6/48

All: 10.929+/-11.075 χ^2/NDF: 179.3/101

- sign -43.553+/-15.822 χ^2/NDF: 90.4/52

dit_asym_sam_37_avg_rms vs Slug



Right In: 101.902+/-0.023 χ^2/NDF: 5107567.1/23

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

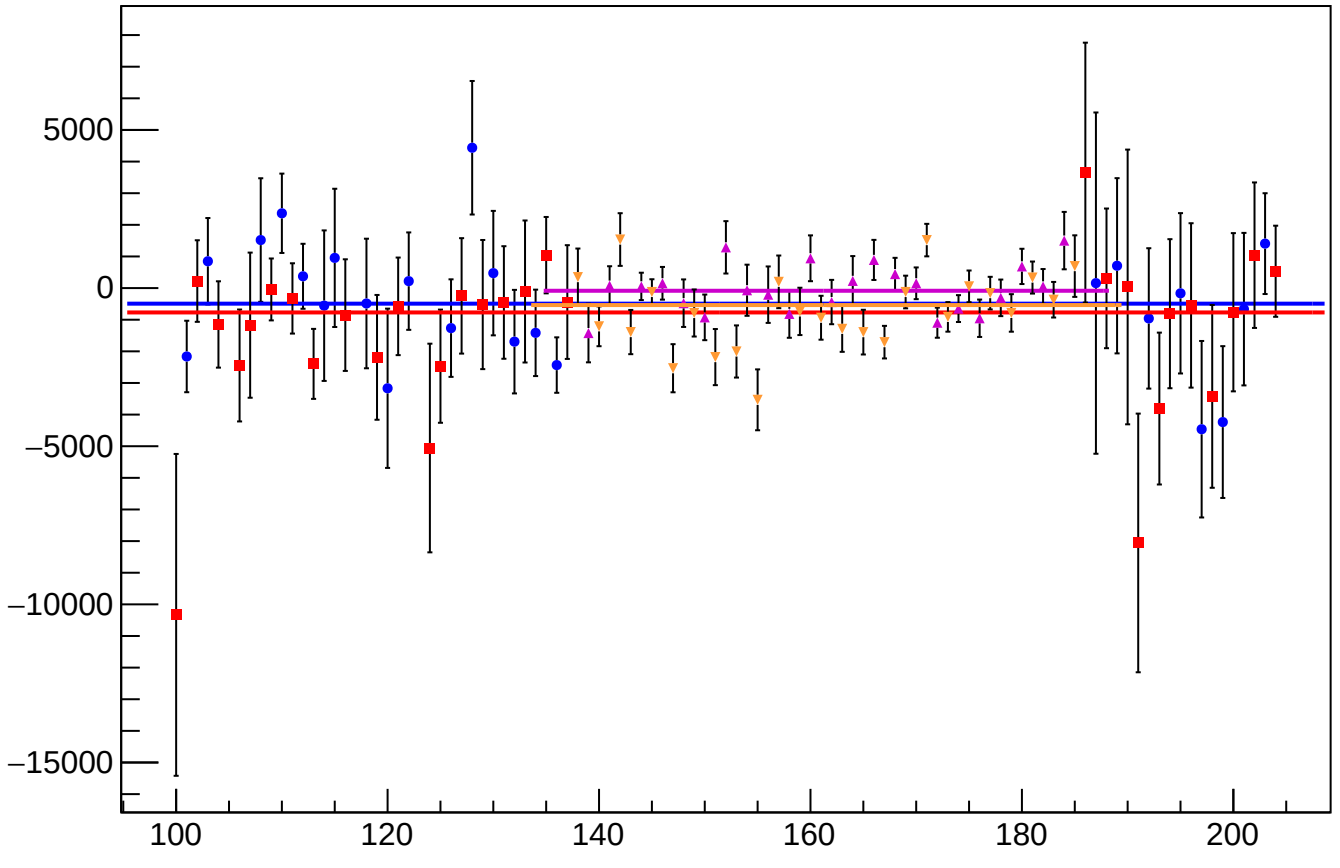
Right Out: 107.034+/-0.022 χ^2/NDF: 6859221.4/29

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 81.454+/-0.011 χ^2/NDF: 7784883.6/48

All: 82.357+/-0.008 χ^2/NDF: 17388126.4/101

- sign 83.298+/-0.011 χ^2/NDF: 9589387.6/52



Right In: -492.487+/-335.721 χ^2/NDF: 29.9/23

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -770.222+/-322.118 χ^2/NDF: 22.1/29

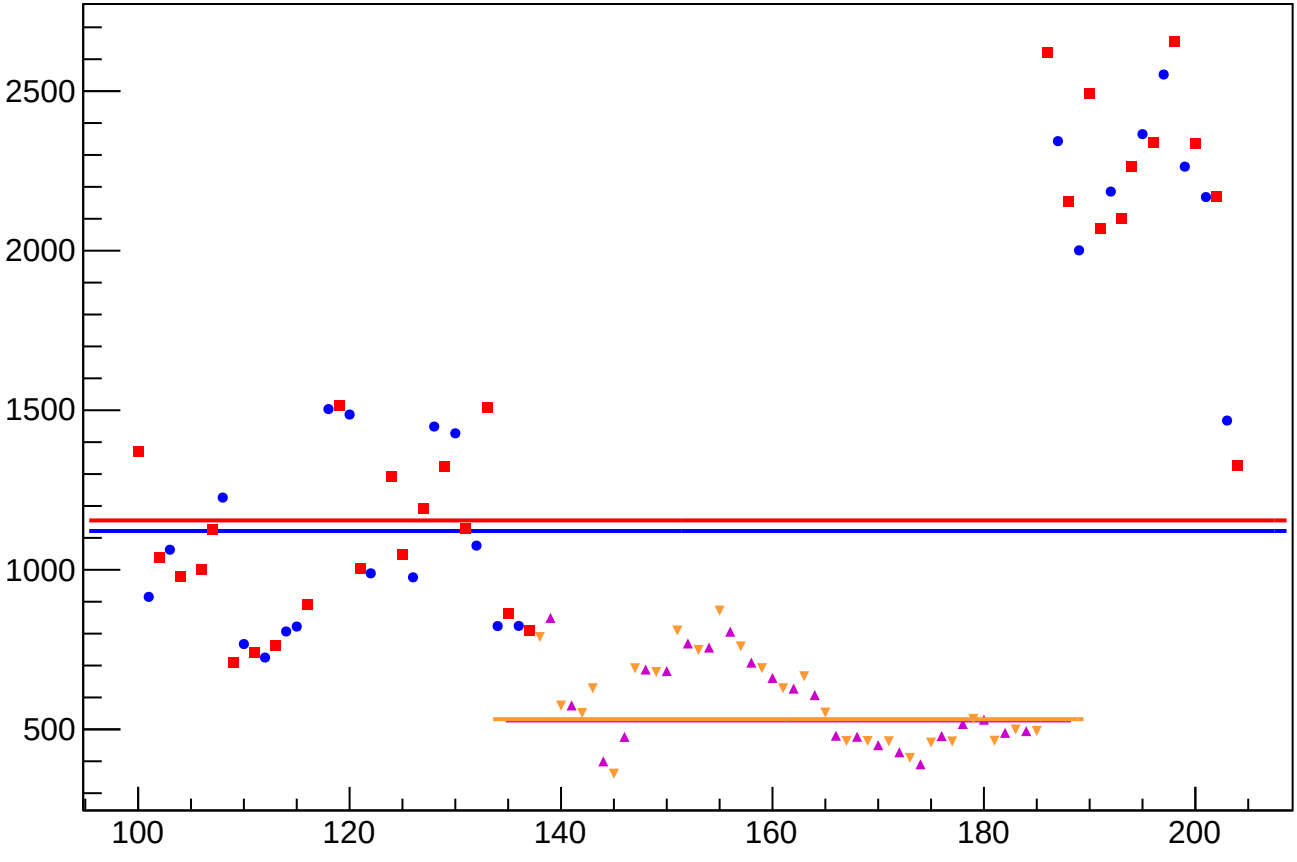
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -531.435+/-116.708 χ^2/NDF: 96.9/48

All: -356.413+/-83.041 χ^2/NDF: 155.0/101

- sign -176.947+/-118.180 χ^2/NDF: 53.5/52

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1121.559+/-0.237 χ^2/NDF: 3868215.2/23

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1154.757+/-0.228 χ^2/NDF: 4934863.6/29

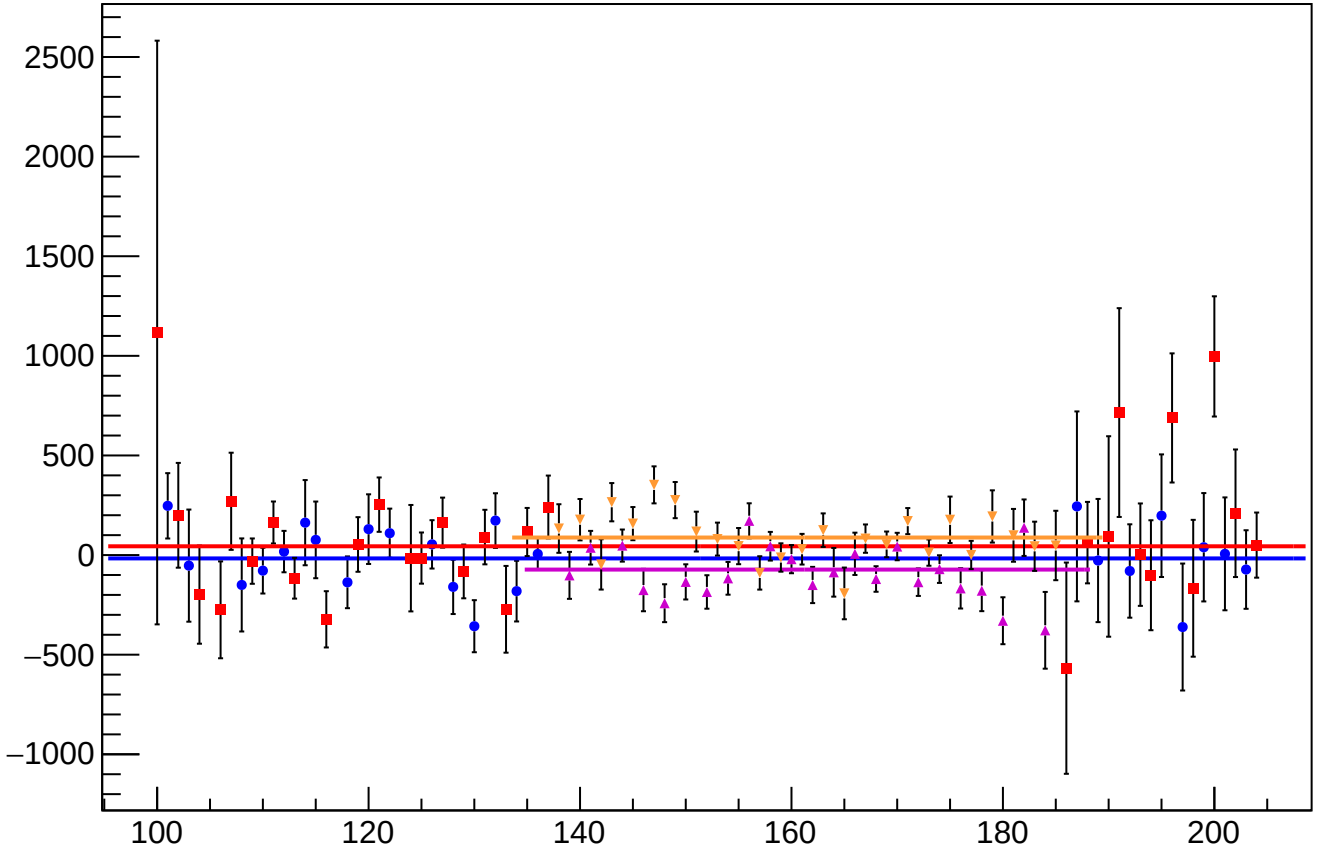
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 603.136+/-0.083 χ^2/NDF: 11330720.7/48

All: 607.686+/-0.059 χ^2/NDF: 24625072.5/10

- sign 612.352+/-0.084 χ^2/NDF: 13288194.0/52

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -16.810+/-31.903 χ^2/NDF: 20.4/23

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 44.086+/-31.609 χ^2/NDF: 41.7/29

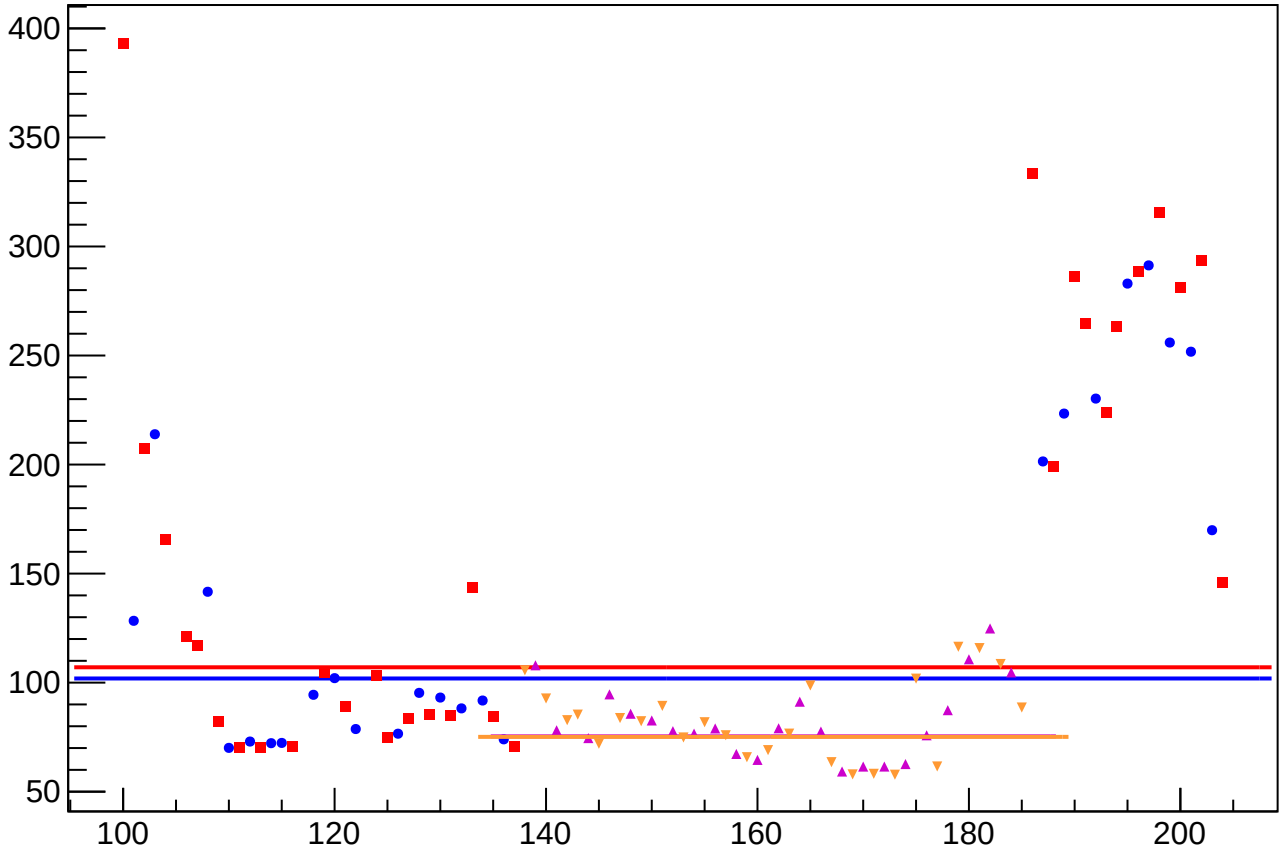
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 63.267+/-15.507 χ^2/NDF: 65.6/48

All: 10.929+/-11.075 χ^2/NDF: 179.3/101

- sign -43.552+/-15.822 χ^2/NDF: 90.4/52

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 101.903+/-0.023 χ^2/NDF: 5107539.1/23

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

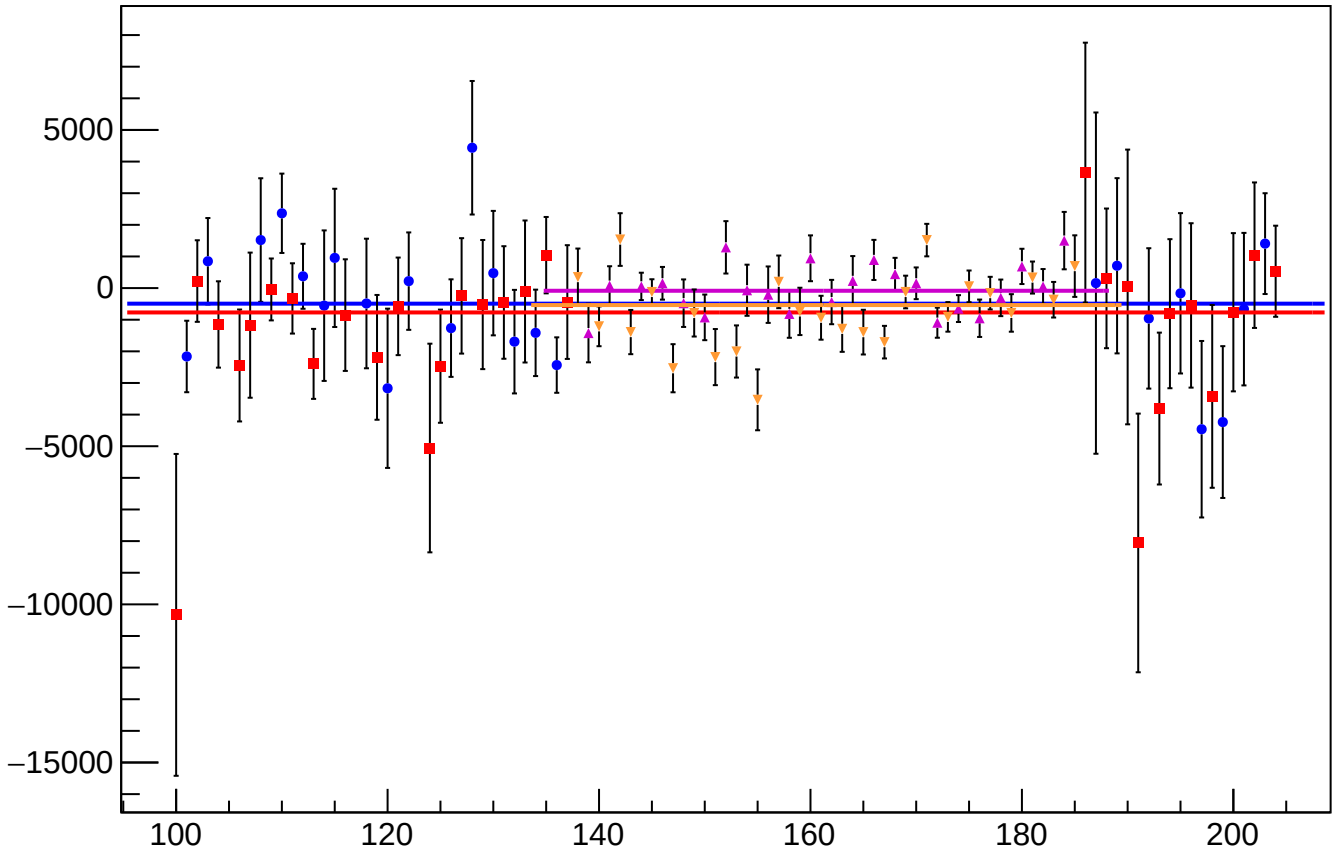
Right Out: 107.035+/-0.022 χ^2/NDF: 6859191.8/29

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

\+ sign 81.454+/-0.011 χ^2/NDF: 7784864.0/48

All: 82.358+/-0.008 χ^2/NDF: 17388097.6/101

\- sign 83.298+/-0.011 χ^2/NDF: 9589378.5/52



Right In: -492.484+/-335.720 χ^2/NDF: 29.9/23

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

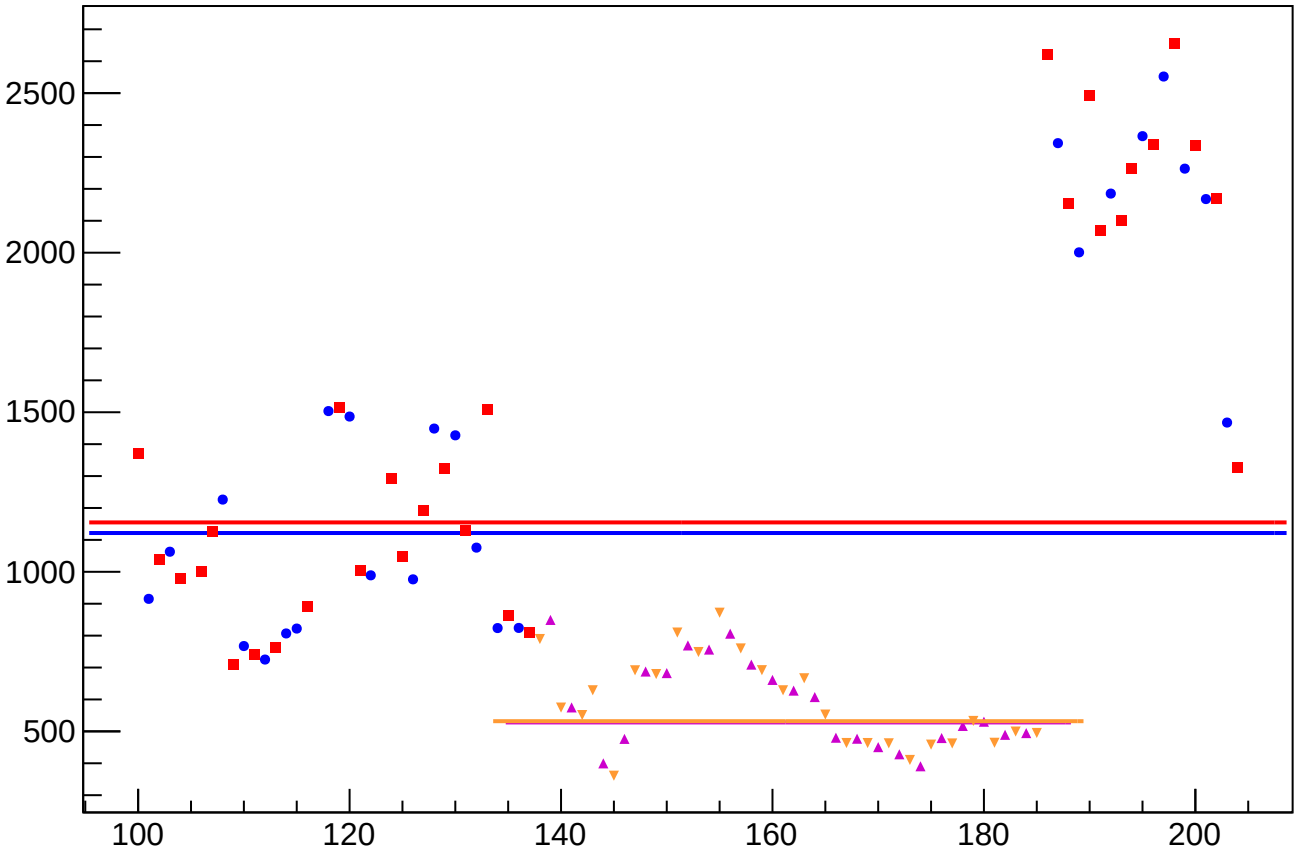
Right Out: -770.222+/-322.118 χ^2/NDF: 22.1/29

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -531.435+/-116.708 χ^2/NDF: 96.9/48

All: -356.413+/-83.041 χ^2/NDF: 155.0/101

- sign -176.947+/-118.180 χ^2/NDF: 53.5/52



Right In: 1121.557+/-0.237 χ^2/NDF: 3868223.2/23

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1154.755+/-0.228 χ^2/NDF: 4934871.3/29

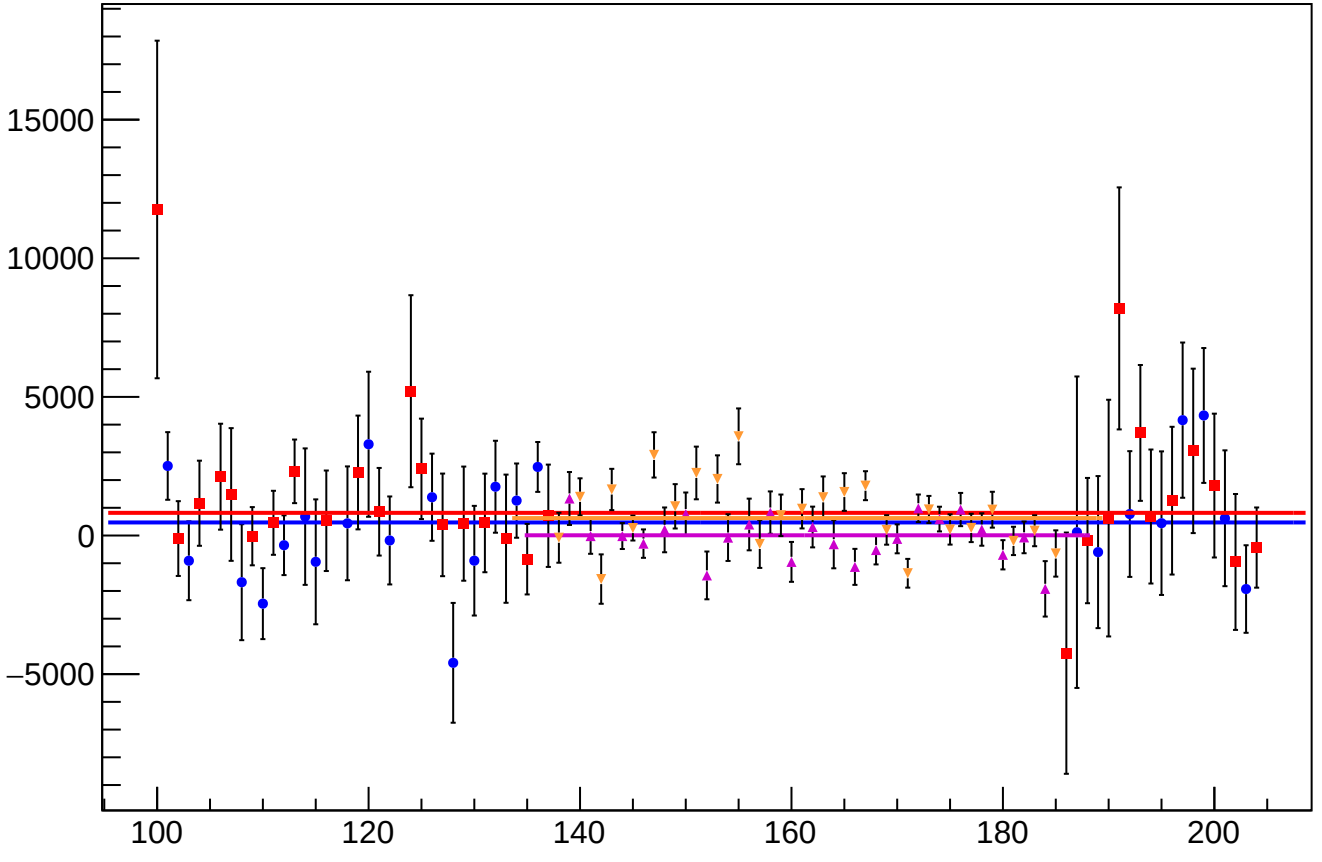
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 603.135+/-0.083 χ^2/NDF: 11330707.8/48

All: 607.686+/-0.059 χ^2/NDF: 24625042.3/10

- sign 612.352+/-0.084 χ^2/NDF: 13288176.6/52

asym_sam_37_avg_mean vs Slug



Right In: 471.468+/-344.764 χ^2/NDF: 31.3/23

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 817.976+/-335.551 χ^2/NDF: 19.5/29

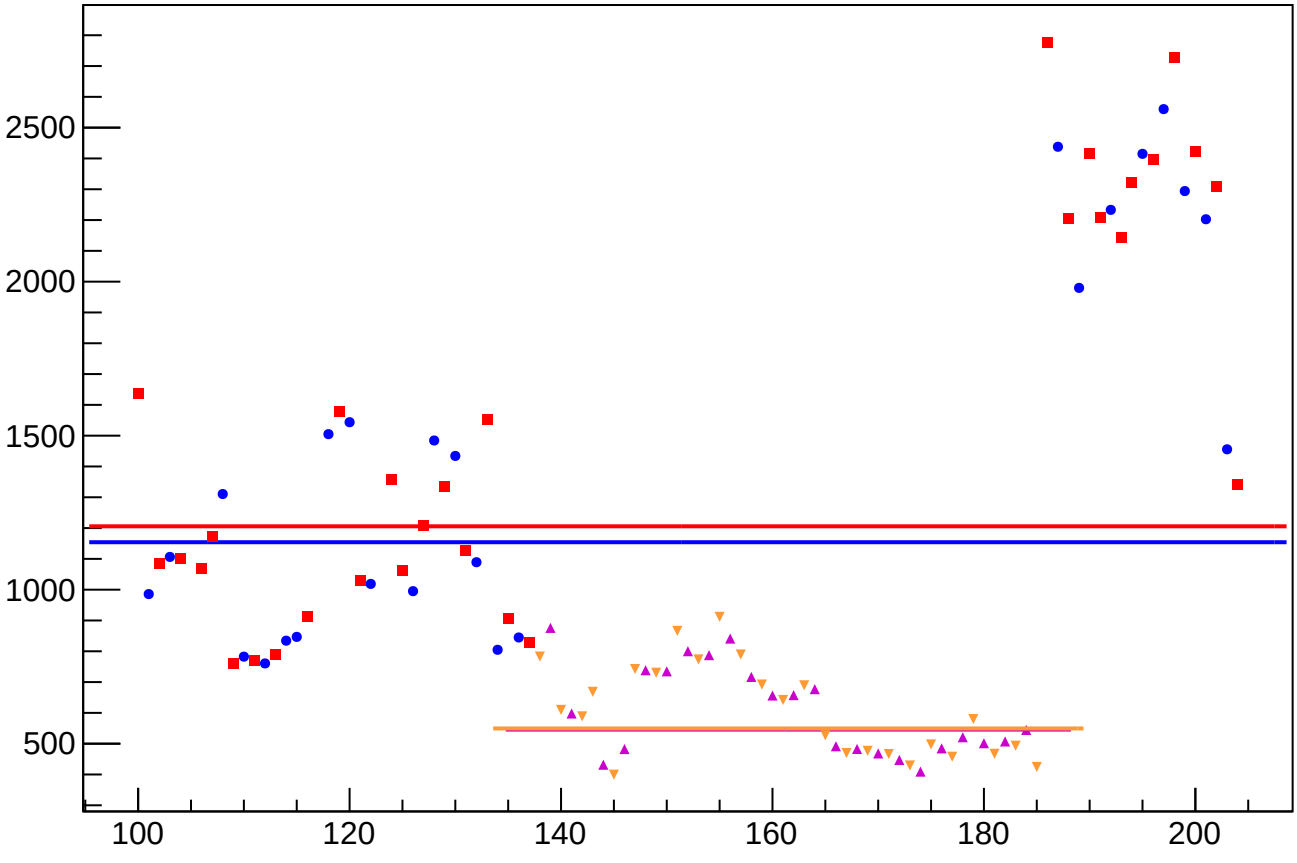
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 610.024+/-120.699 χ^2/NDF: 96.4/48

All: 366.162+/-85.895 χ^2/NDF: 156.5/101

- sign 115.935+/-122.264 χ^2/NDF: 51.8/52

asym_sam_37_avg_rms vs Slug



Right In: 1154.073+/-0.244 χ^2/NDF: 3753652.5/23

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1205.735+/-0.237 χ^2/NDF: 4785894.2/29

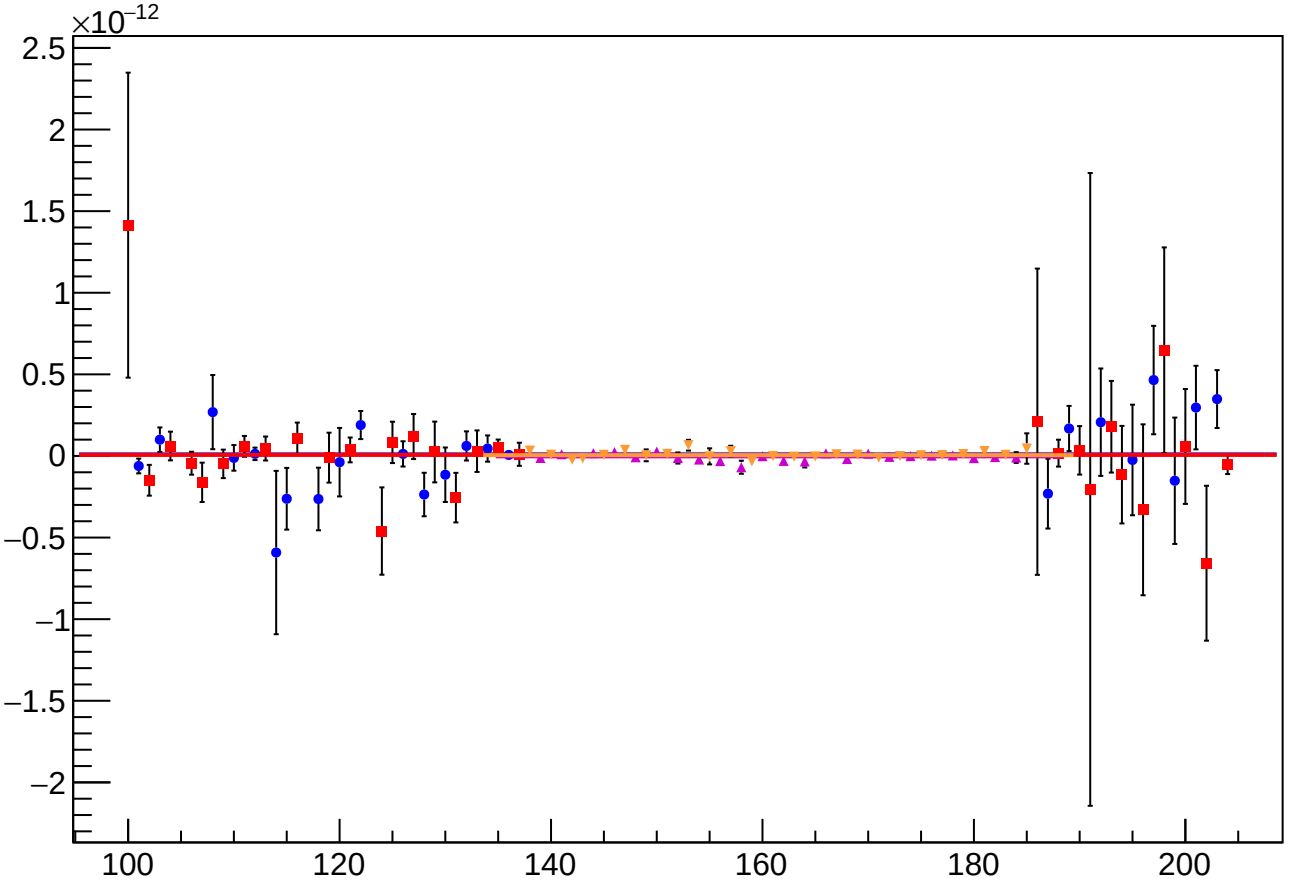
Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

\+ sign 623.577+/-0.085 χ^2/NDF: 11204349.4/48

All: 628.393+/-0.061 χ^2/NDF: 24521982.7/10

\- sign 633.335+/-0.086 χ^2/NDF: 13311180.4/52

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

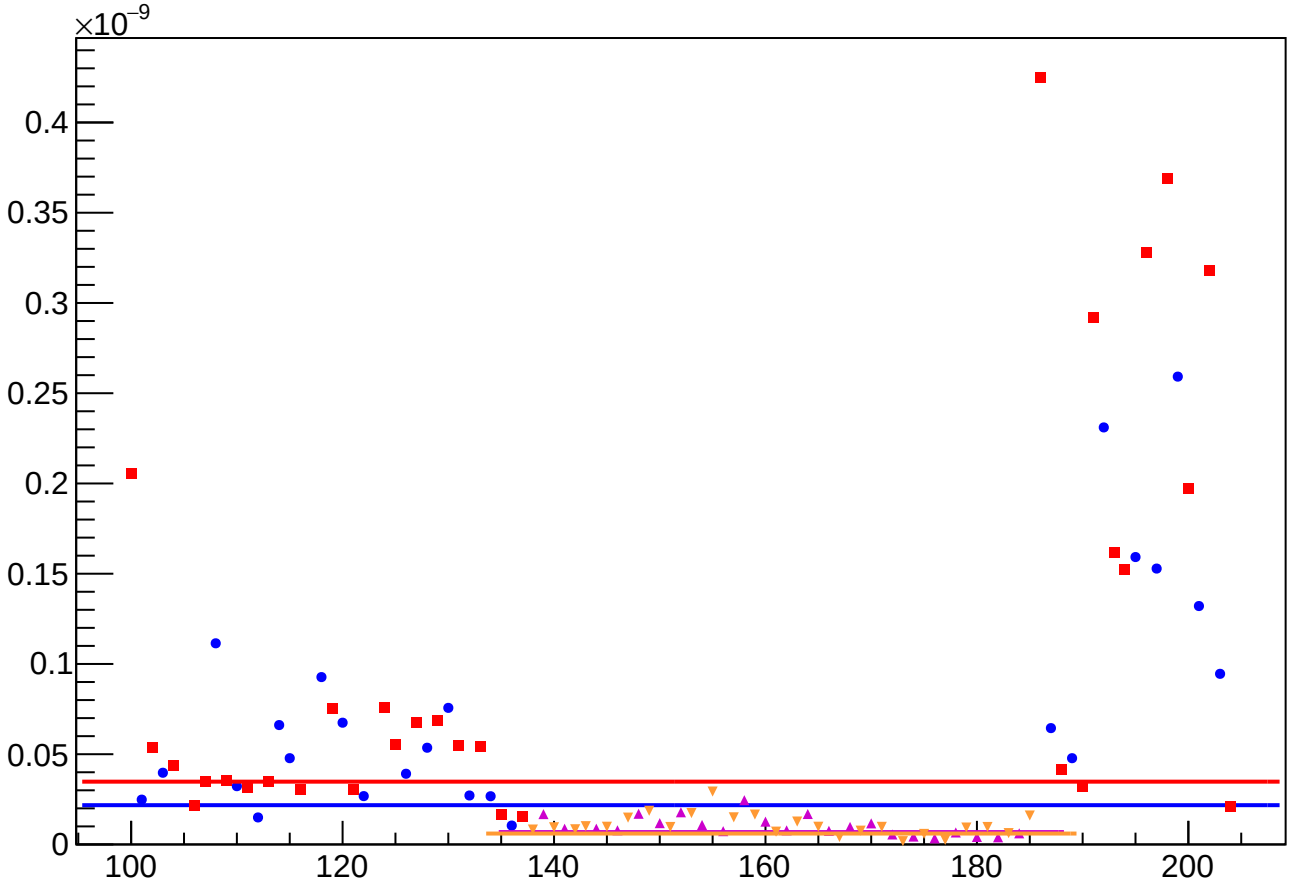
Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/29

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.4/48

All: 0.000+/-0.000 χ^2/NDF: 91.8/101

- sign -0.000+/-0.000 χ^2/NDF: 43.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 5100140.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4751331.8/29

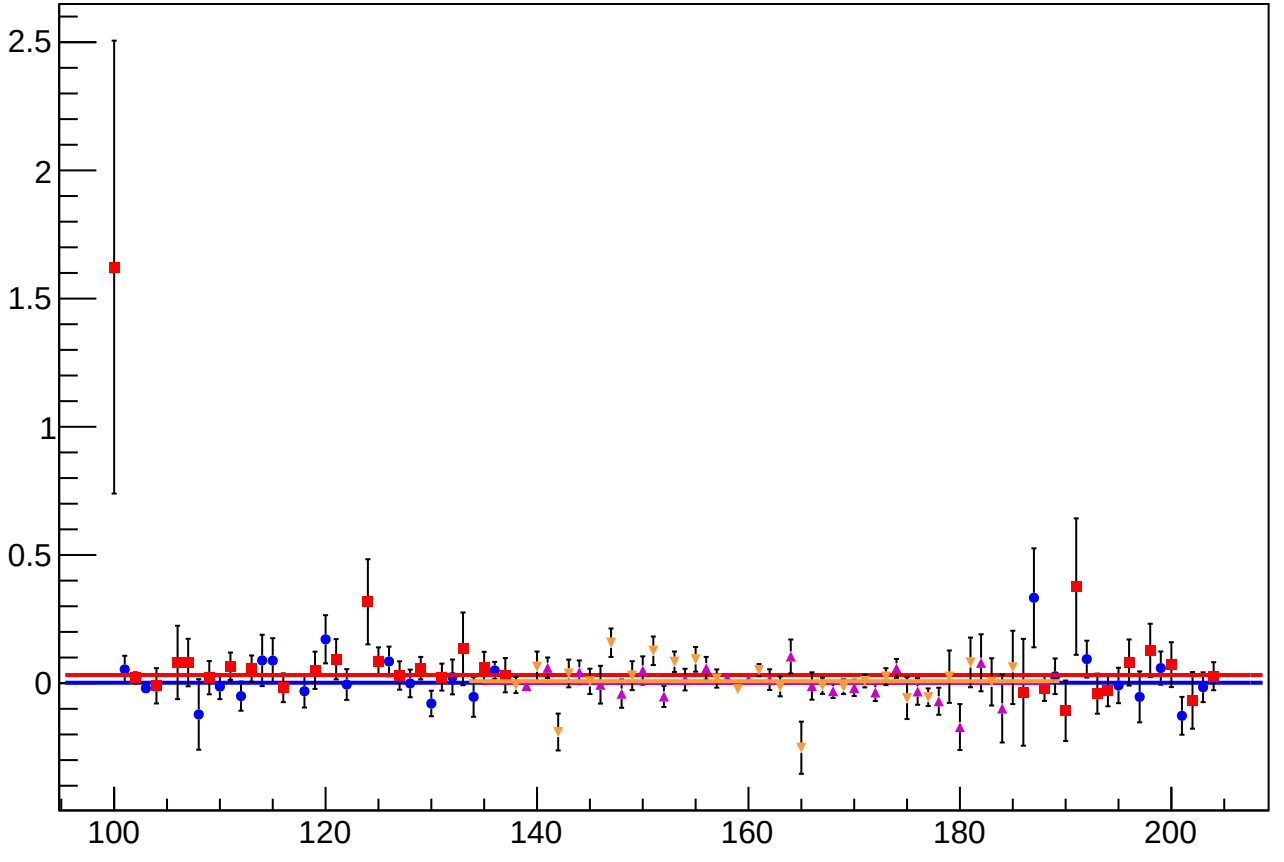
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11062995.5/48

All: 0.000+/-0.000 χ^2/NDF: 22630193.1/101

- sign 0.000+/-0.000 χ^2/NDF: 11467800.4/52

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.011 χ^2/NDF: 25.5/23

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.6/29

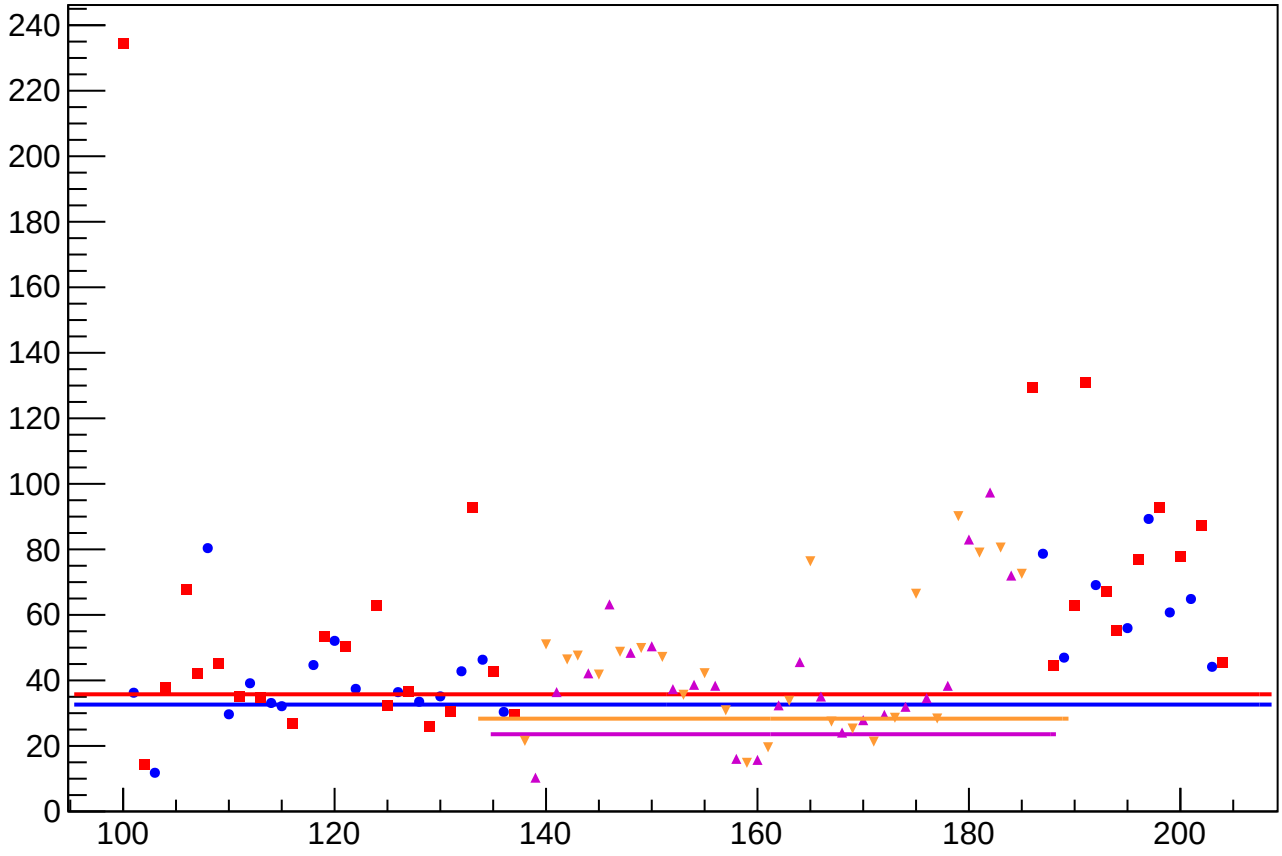
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.3/48

All: 0.008+/-0.004 χ^2/NDF: 123.5/101

- sign 0.010+/-0.006 χ^2/NDF: 50.1/52

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 32.623+/-0.008 χ^2/NDF: 5264459.0/23

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

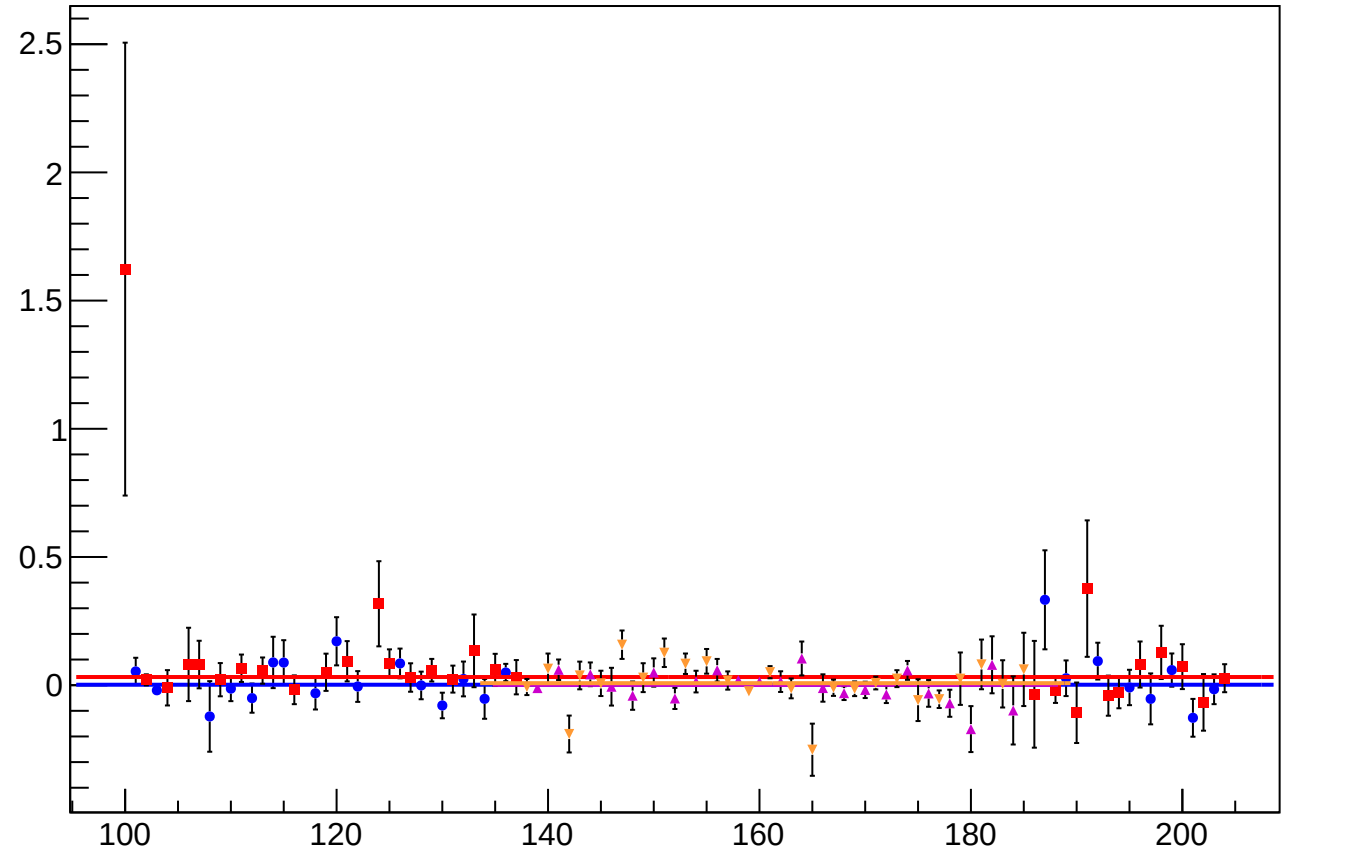
Right Out: 35.763+/-0.008 χ^2/NDF: 6357906.5/29

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

\+ sign 29.719+/-0.004 χ^2/NDF: 12261556.2/48

All: 28.190+/-0.003 χ^2/NDF: 28837187.4/101

\- sign 26.856+/-0.004 χ^2/NDF: 16349905.2/52



Right In: 0.002+/-0.011 χ^2/NDF: 25.5/23

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.6/29

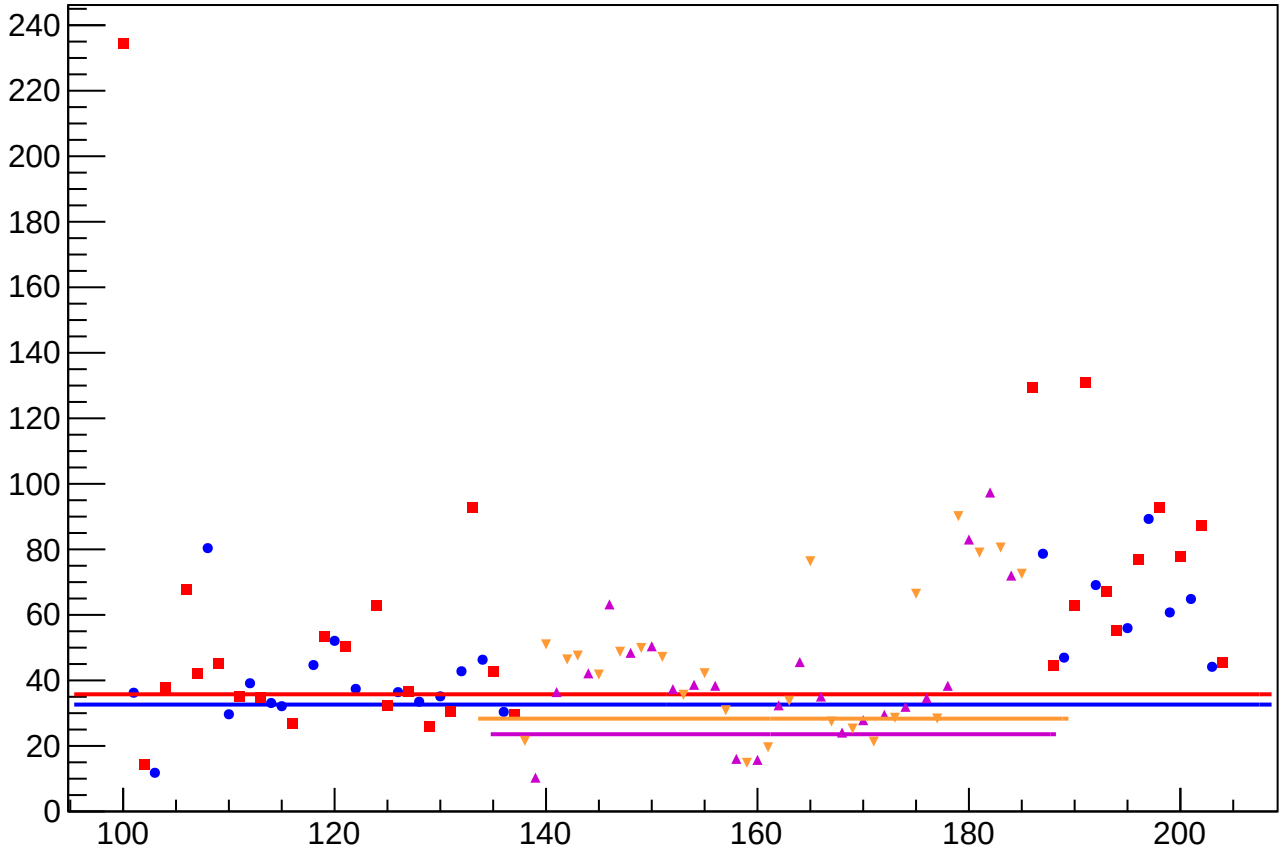
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.3/48

All: 0.008+/-0.004 χ^2/NDF: 123.5/101

- sign 0.010+/-0.006 χ^2/NDF: 50.1/52

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.623+/-0.008 χ^2/NDF: 5264459.0/23

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

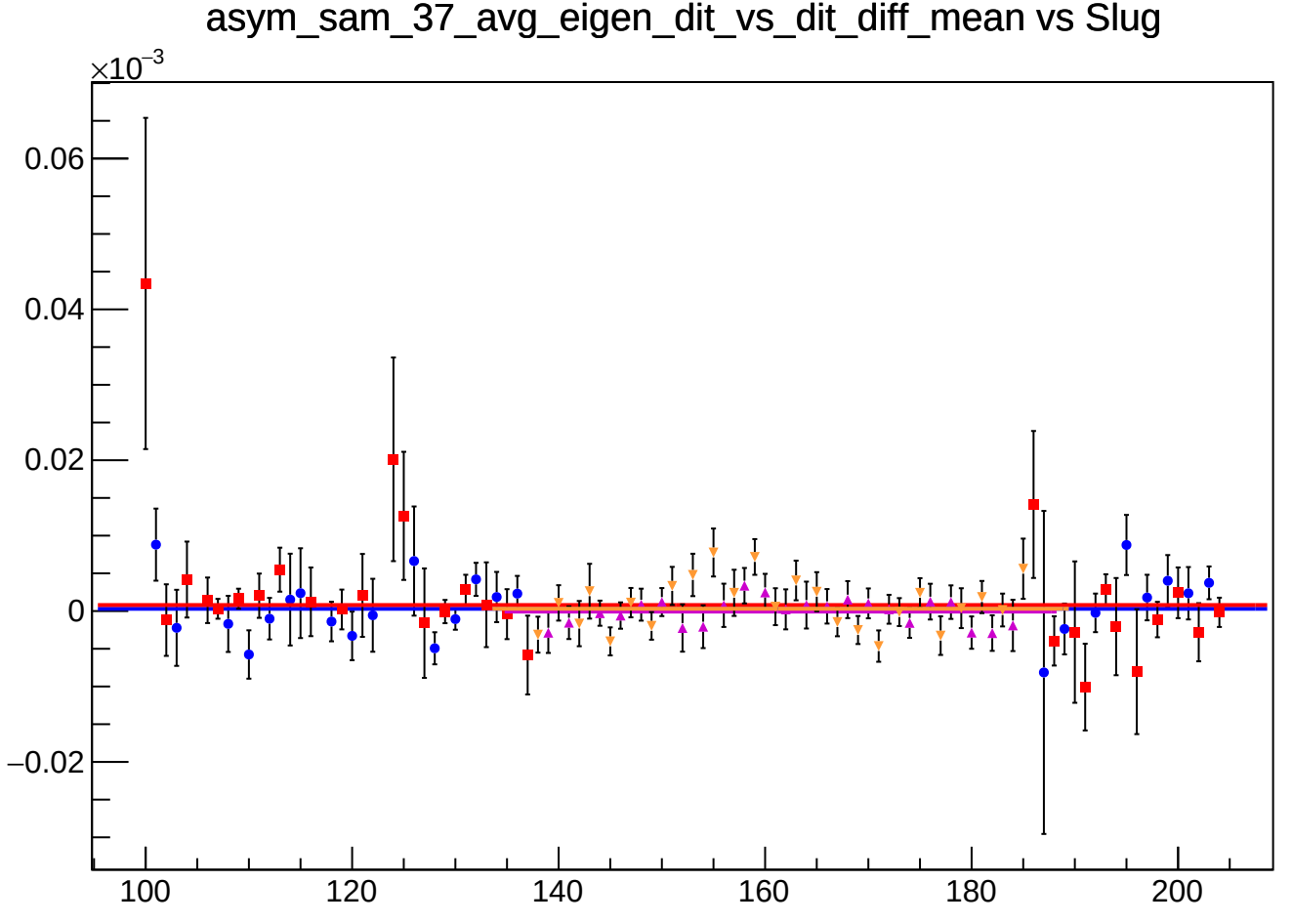
Right Out: 35.763+/-0.008 χ^2/NDF: 6357906.5/29

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 29.719+/-0.004 χ^2/NDF: 12261556.2/48

All: 28.190+/-0.003 χ^2/NDF: 28837187.4/101

- sign 26.856+/-0.004 χ^2/NDF: 16349905.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

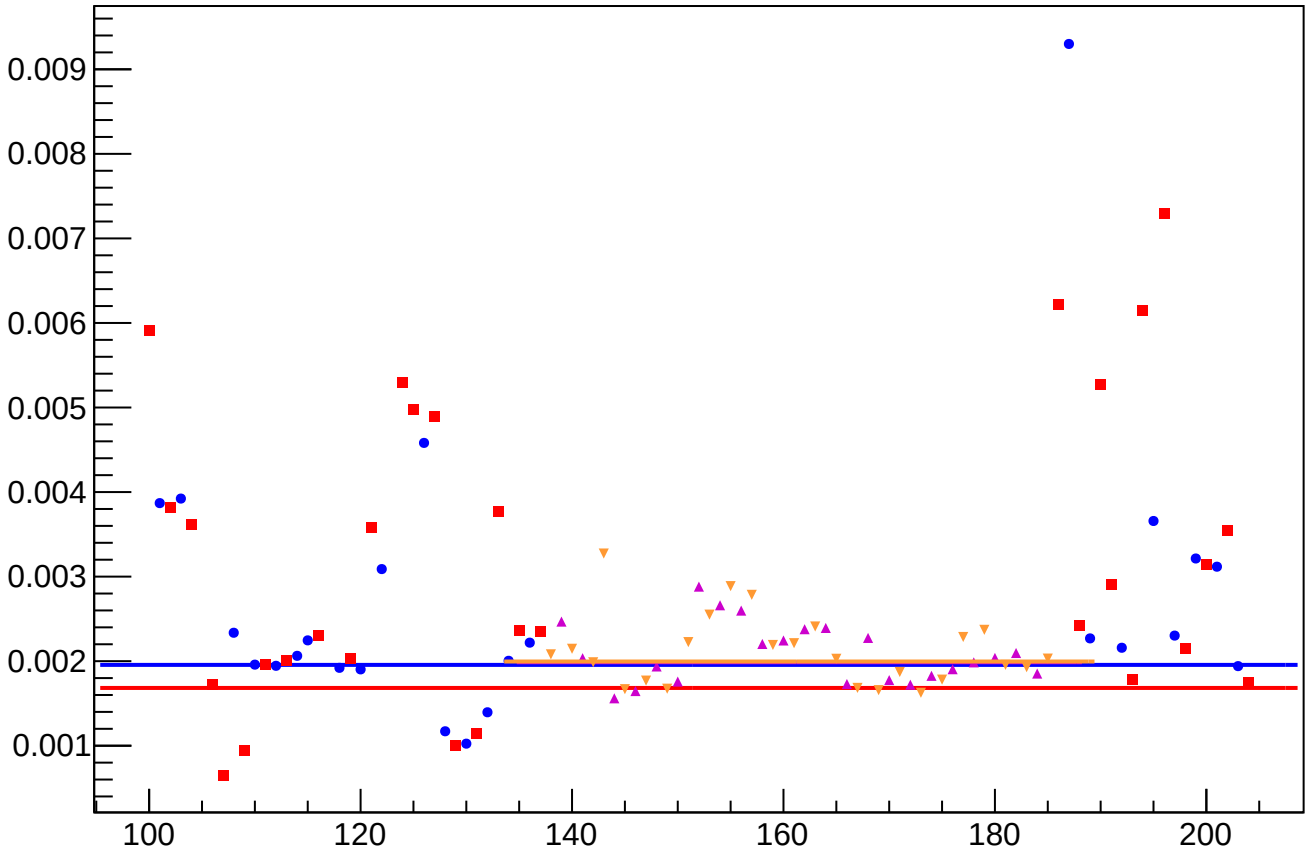
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/29

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.5/48

All: 0.000+/-0.000 χ^2/NDF: 117.3/101

- sign 0.000+/-0.000 χ^2/NDF: 40.8/52



Right In: 0.002+/-0.000 χ^2/NDF: 3481502.5/23

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

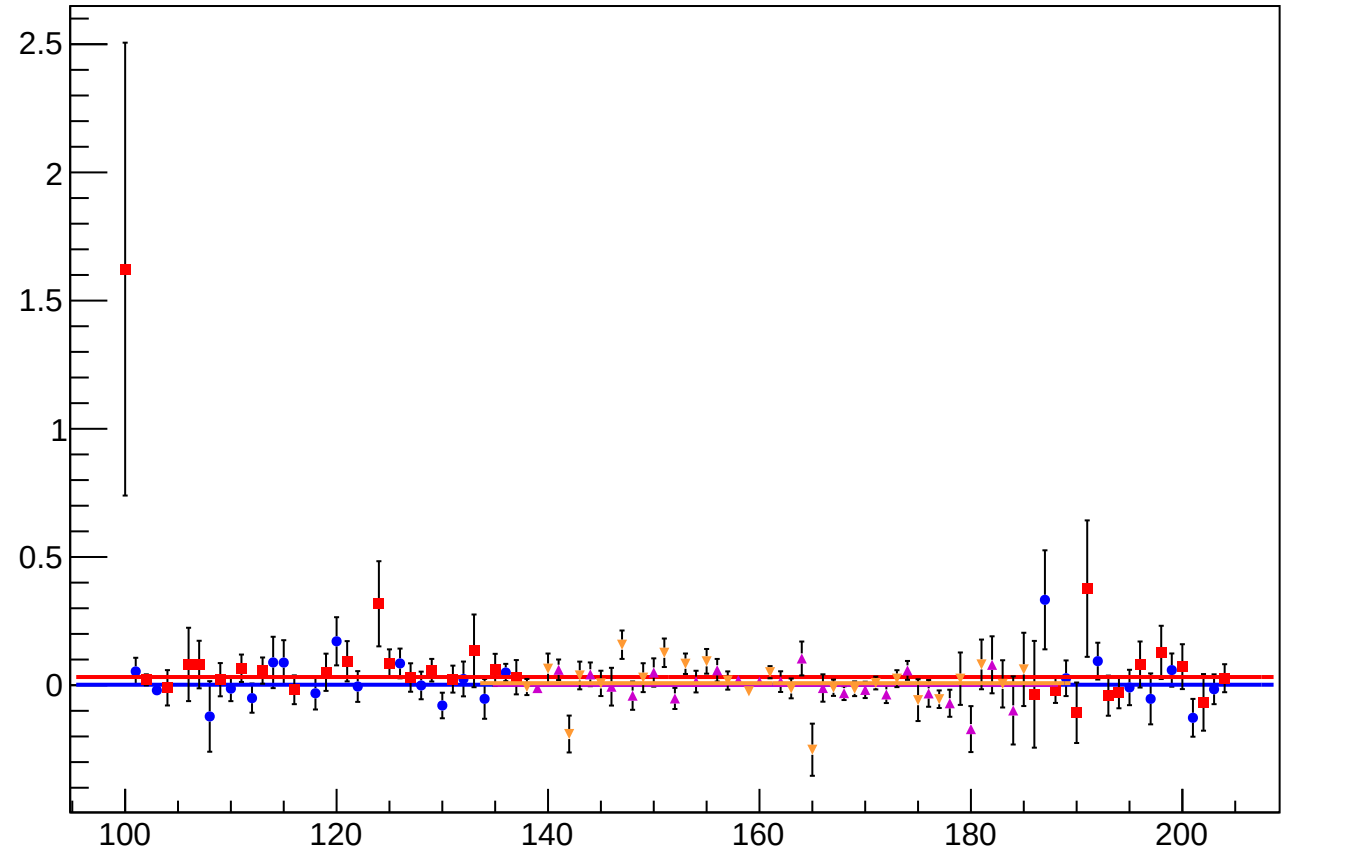
Right Out: 0.002+/-0.000 χ^2/NDF: 8491439.2/29

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 4660338.1/48

All: 0.002+/-0.000 χ^2/NDF: 14584270.8/101

- sign 0.002+/-0.000 χ^2/NDF: 9789575.0/52



Right In: 0.002+/-0.011 χ^2/NDF: 25.5/23

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.5/29

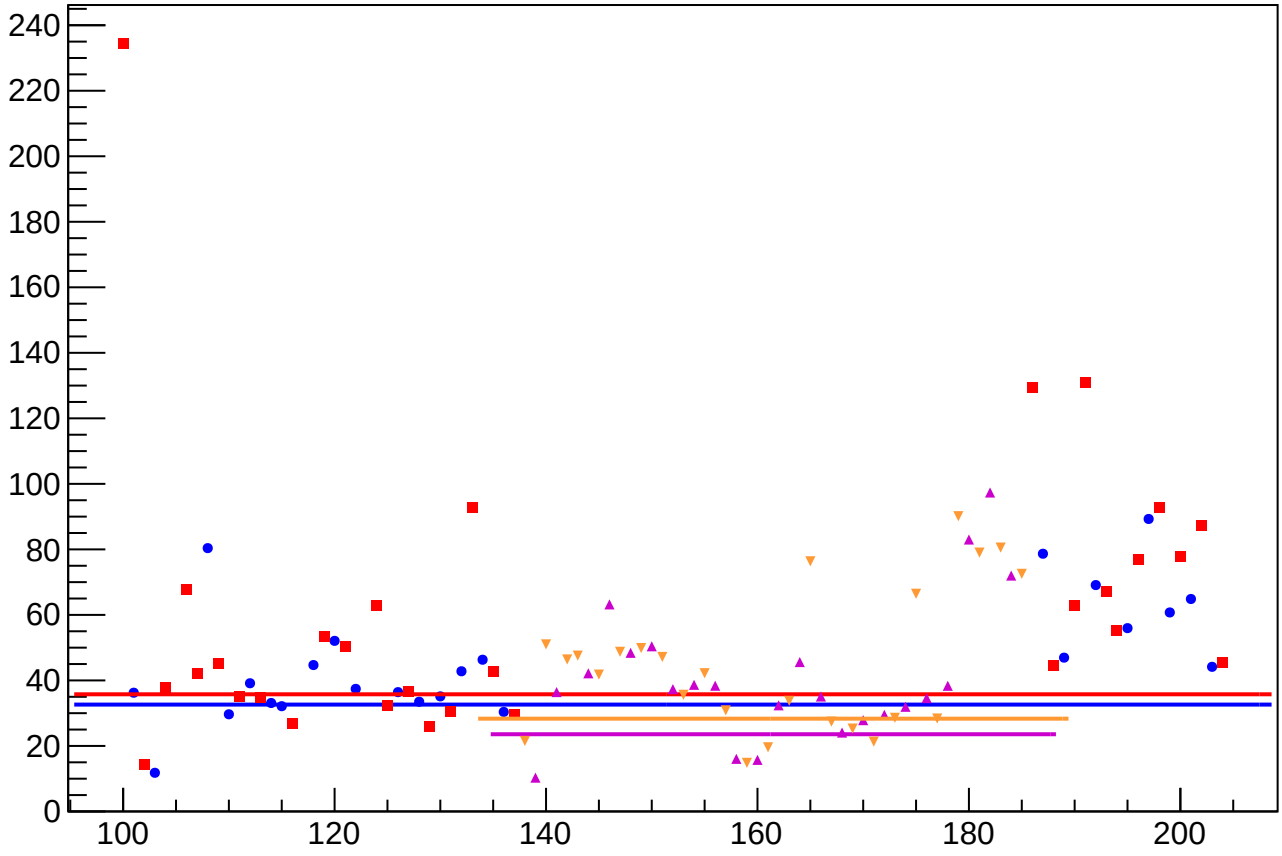
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.3/48

All: 0.008+/-0.004 χ^2/NDF: 123.5/101

- sign 0.010+/-0.006 χ^2/NDF: 50.1/52

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 32.622+/-0.008 χ^2/NDF: 5264818.2/23

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

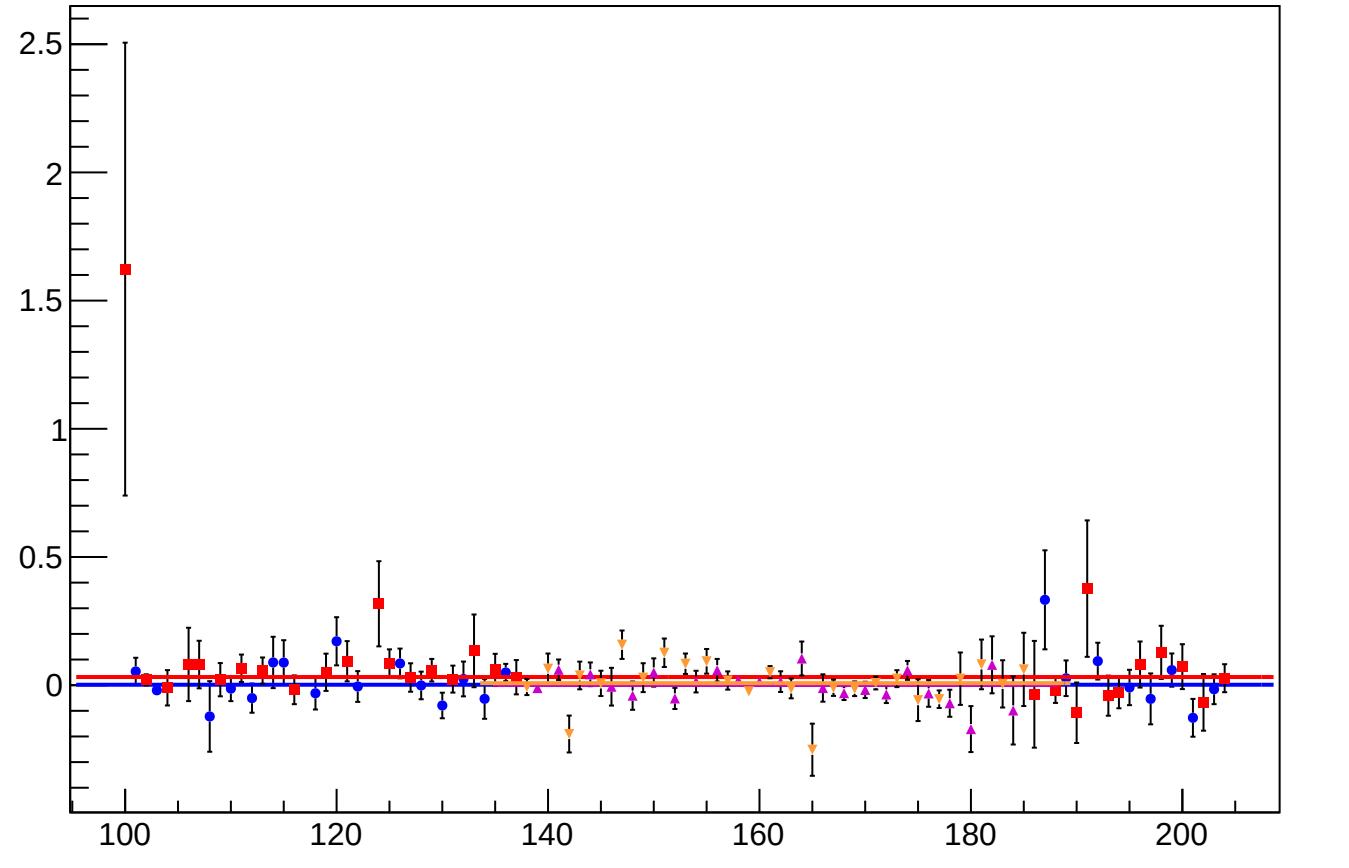
Right Out: 35.766+/-0.008 χ^2/NDF: 6356786.2/29

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 29.719+/-0.004 χ^2/NDF: 12262339.0/48

All: 28.190+/-0.003 χ^2/NDF: 28838919.6/101

- sign 26.855+/-0.004 χ^2/NDF: 16350857.7/52



Right In: 0.002+/-0.011 χ^2/NDF: 25.5/23

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.5/29

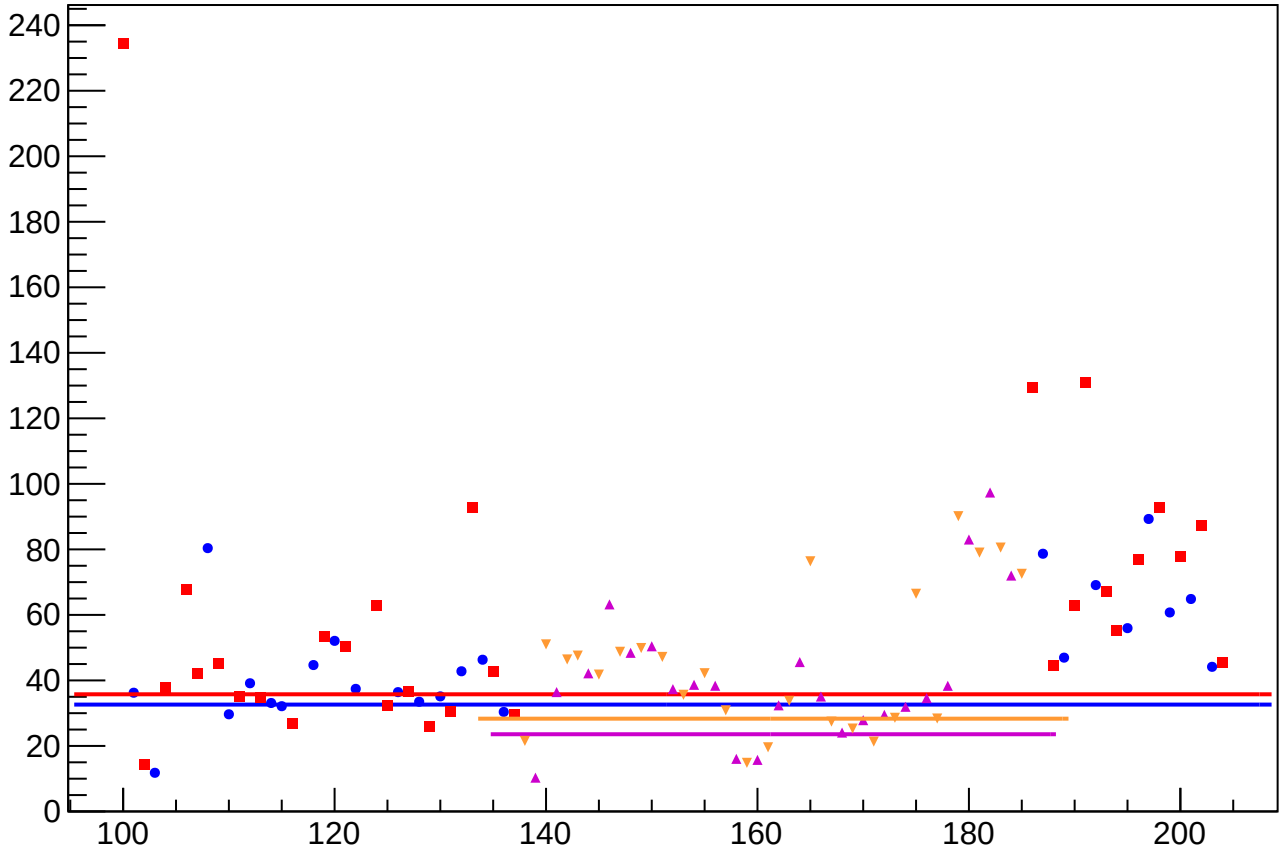
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.3/48

All: 0.008+/-0.004 χ^2/NDF: 123.5/101

- sign 0.010+/-0.006 χ^2/NDF: 50.1/52

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.622+/-0.008 χ^2/NDF: 5264818.2/23

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

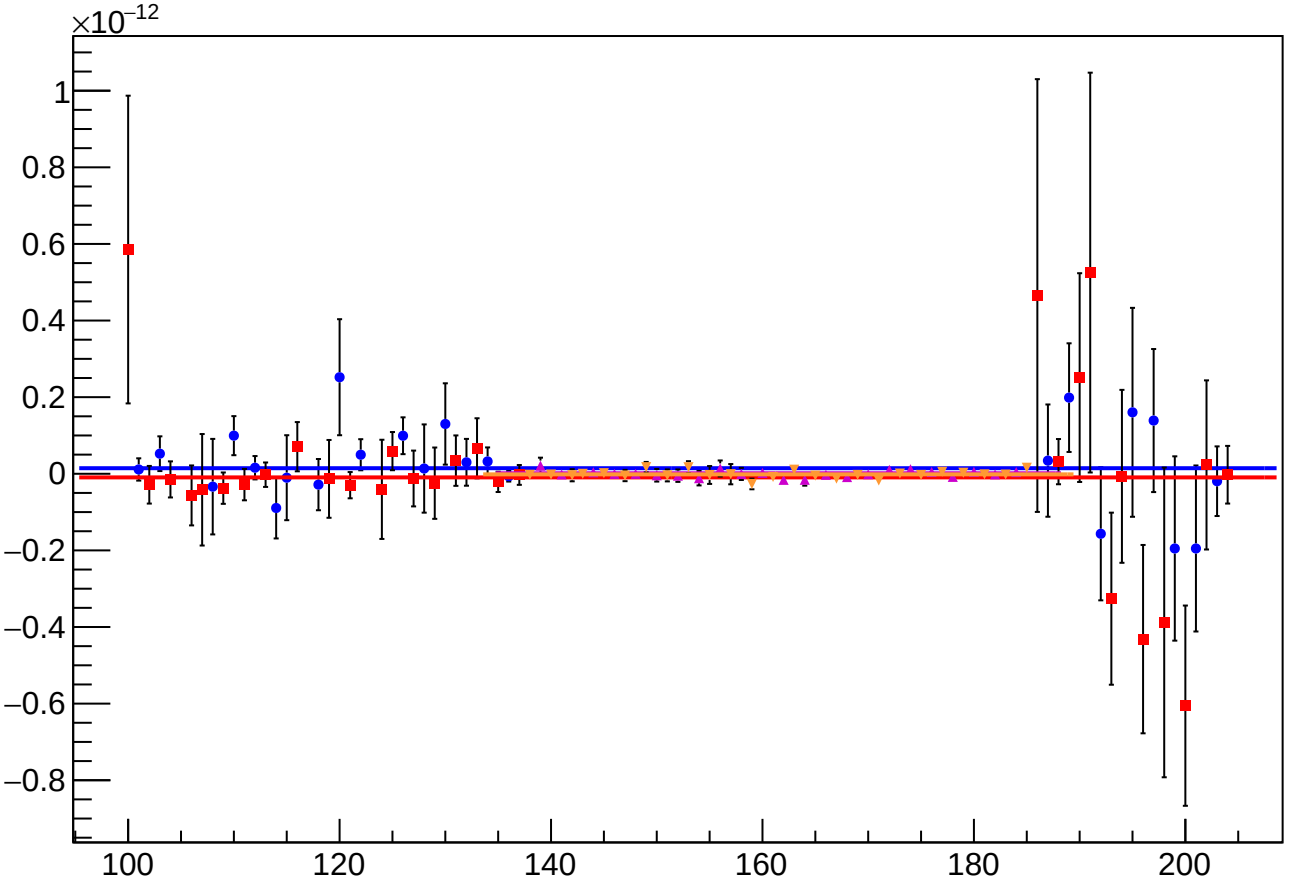
Right Out: 35.766+/-0.008 χ^2/NDF: 6356786.2/29

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 29.719+/-0.004 χ^2/NDF: 12262339.0/48

All: 28.190+/-0.003 χ^2/NDF: 28838919.6/101

- sign 26.855+/-0.004 χ^2/NDF: 16350857.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

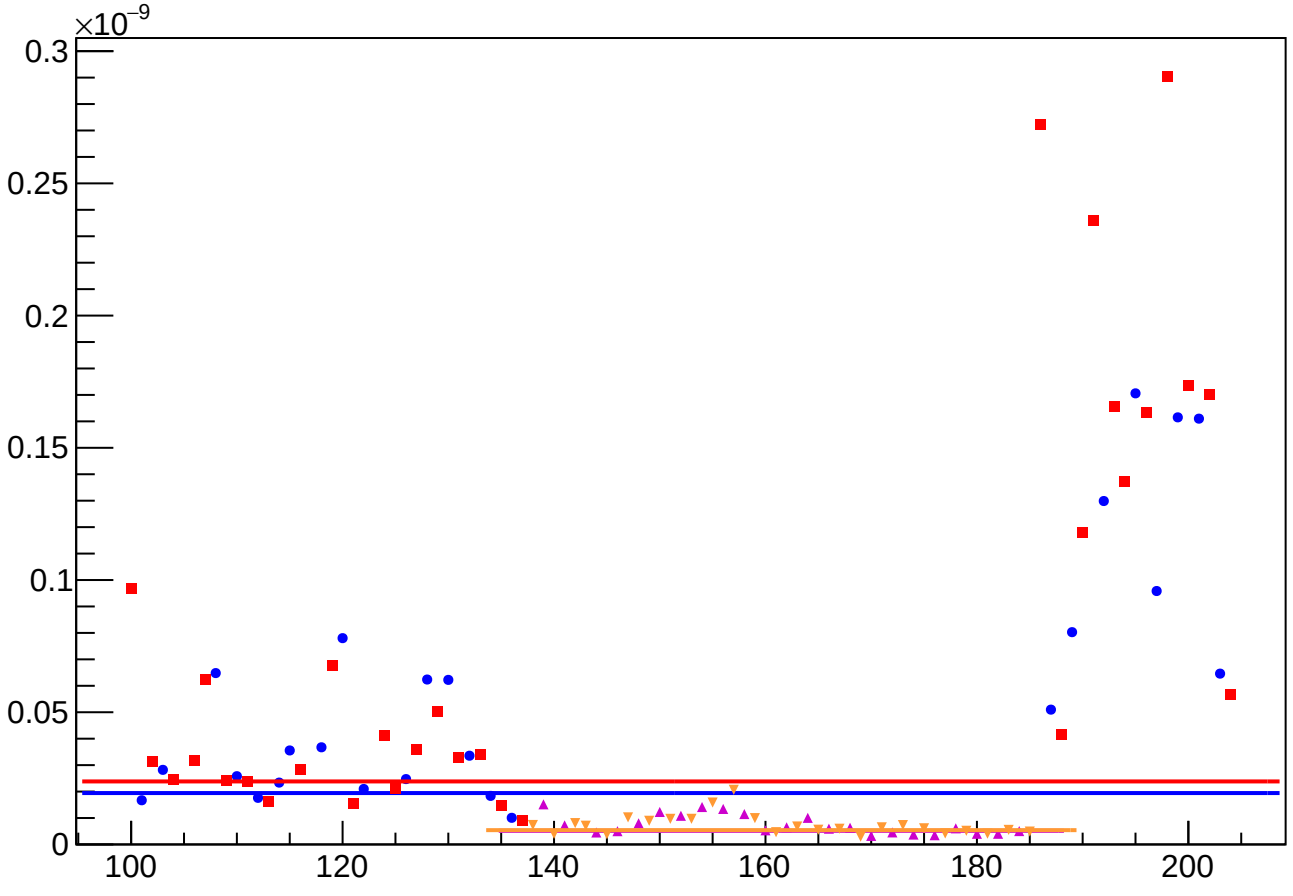
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/29

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.6/48

All: 0.000+/-0.000 χ^2/NDF: 82.4/101

- sign 0.000+/-0.000 χ^2/NDF: 40.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 6802577.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7982702.1/29

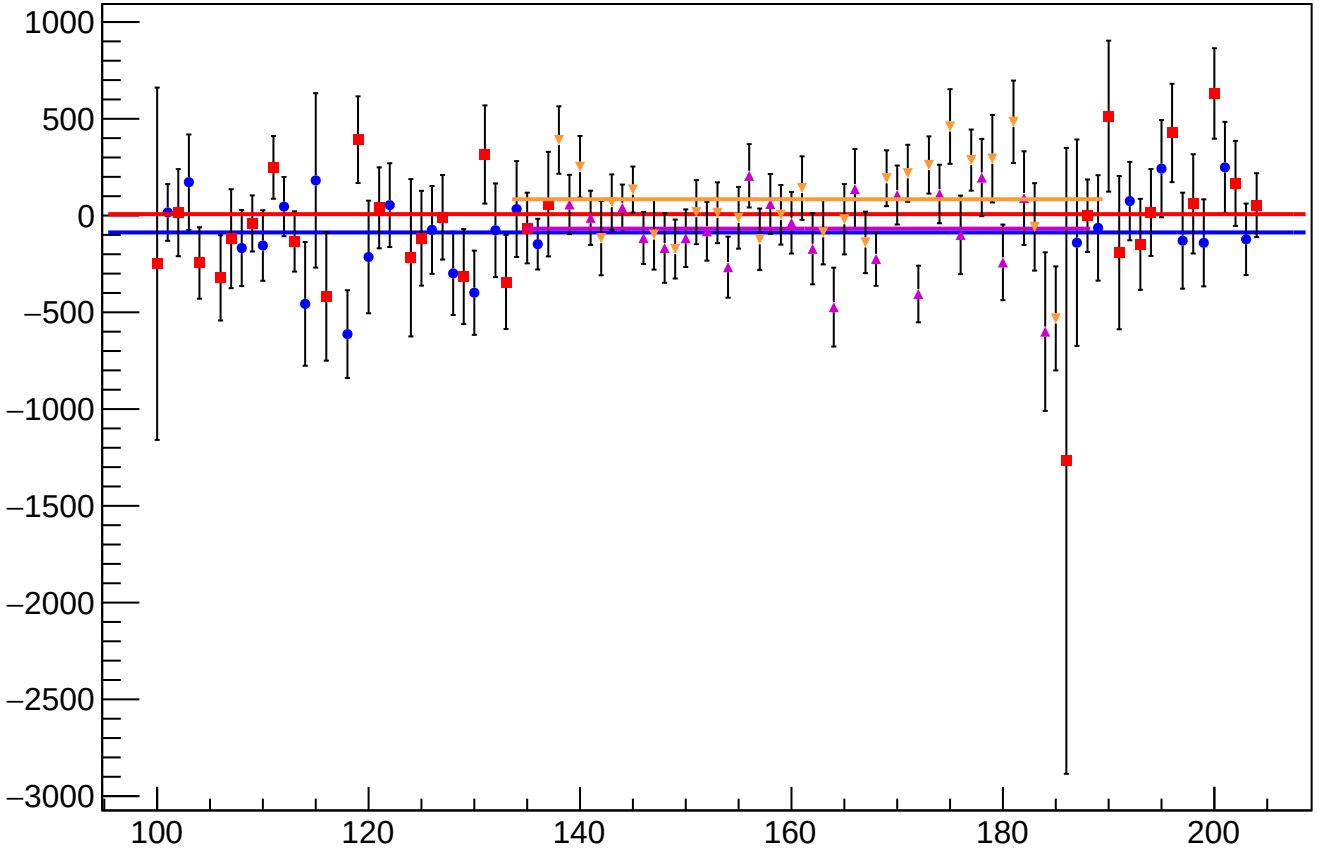
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14248568.1/48

All: 0.000+/-0.000 χ^2/NDF: 31822613.4/101

- sign 0.000+/-0.000 χ^2/NDF: 17556282.6/52

reg_asym_sam_48_avg_mean vs Slug



Right In: -87.286+/-43.702 χ^2/NDF: 18.4/23

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 7.305+/-41.252 χ^2/NDF: 31.7/29

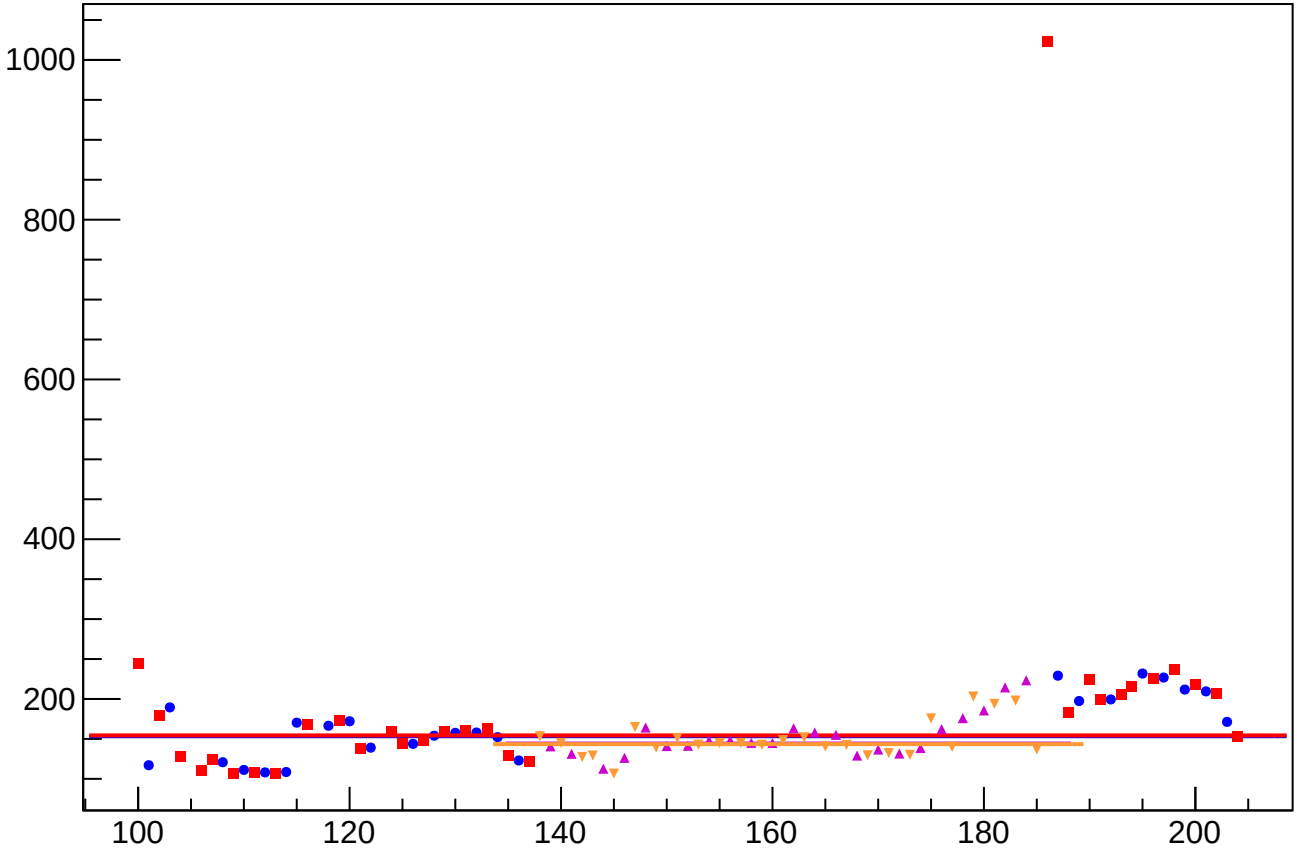
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 21.922+/-26.353 χ^2/NDF: 62.0/48

All: -7.690+/-18.616 χ^2/NDF: 124.7/101

- sign -37.182+/-26.300 χ^2/NDF: 60.2/52

reg_asym_sam_48_avg_rms vs Slug



Right In: 153.359+/-0.031 χ^2/NDF: 1515813.2/23

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

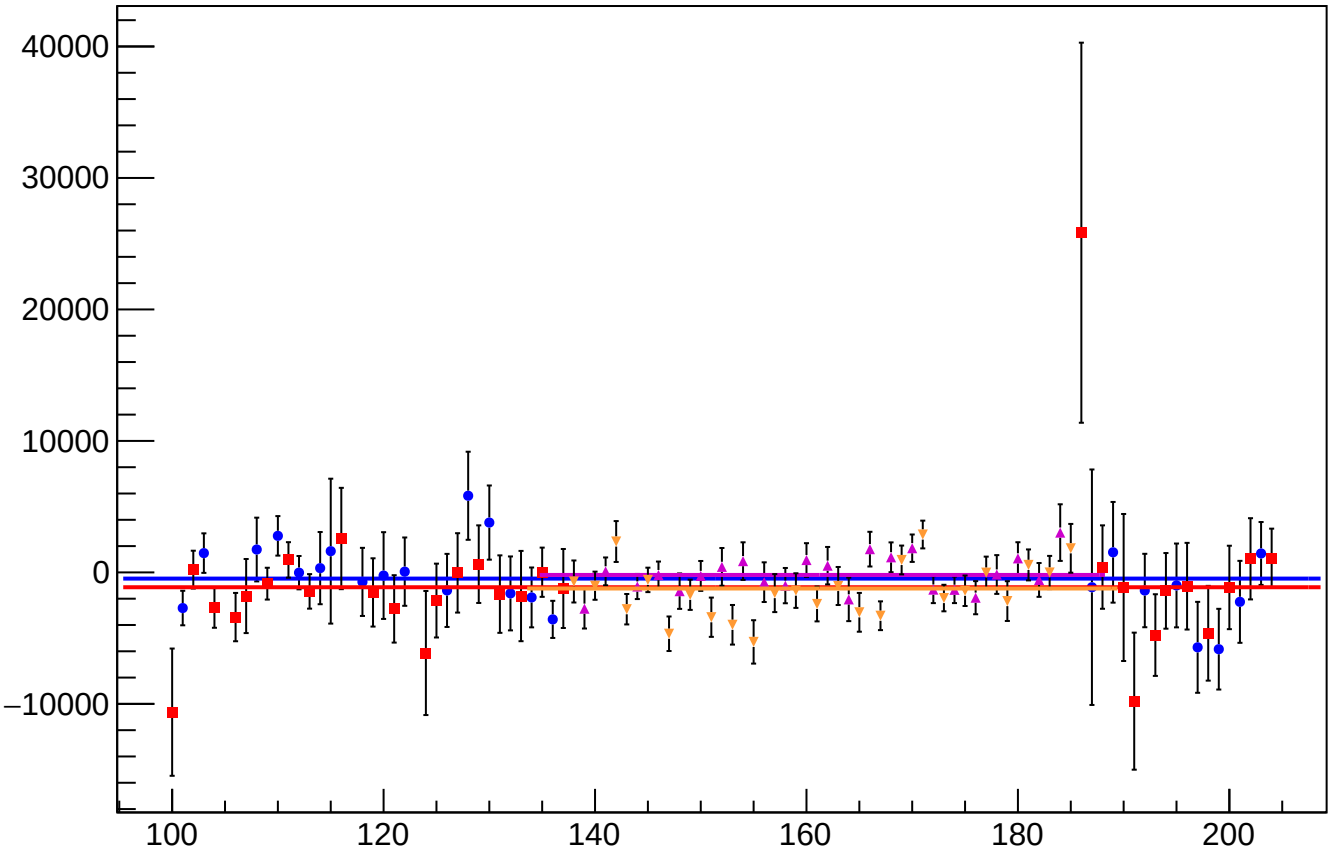
Right Out: 154.368+/-0.029 χ^2/NDF: 2442159.6/29

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.049+/-0.019 χ^2/NDF: 2328368.2/48

All: 147.683+/-0.013 χ^2/NDF: 5548089.6/101

- sign 148.315+/-0.019 χ^2/NDF: 3217408.5/52



Right In: -471.179+/-458.724 χ^2/NDF: 28.5/23

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1128.859+/-425.316 χ^2/NDF: 23.7/29

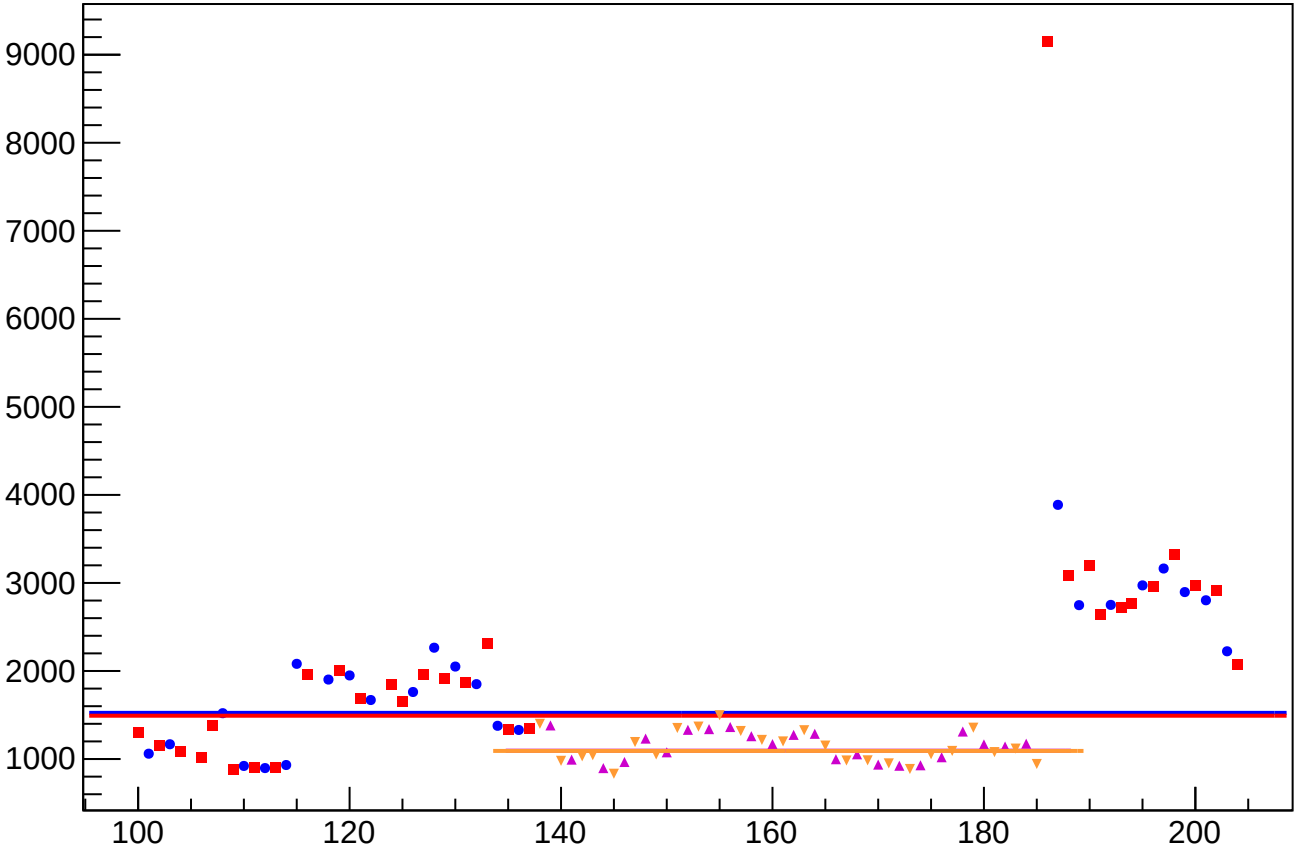
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1050.532+/-220.710 χ^2/NDF: 89.9/48

All: -749.204+/-156.225 χ^2/NDF: 144.1/101

- sign -446.640+/-221.163 χ^2/NDF: 50.5/52

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1524.315+/-0.324 χ^2/NDF: 4121998.7/23

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1491.886+/-0.301 χ^2/NDF: 6040541.1/29

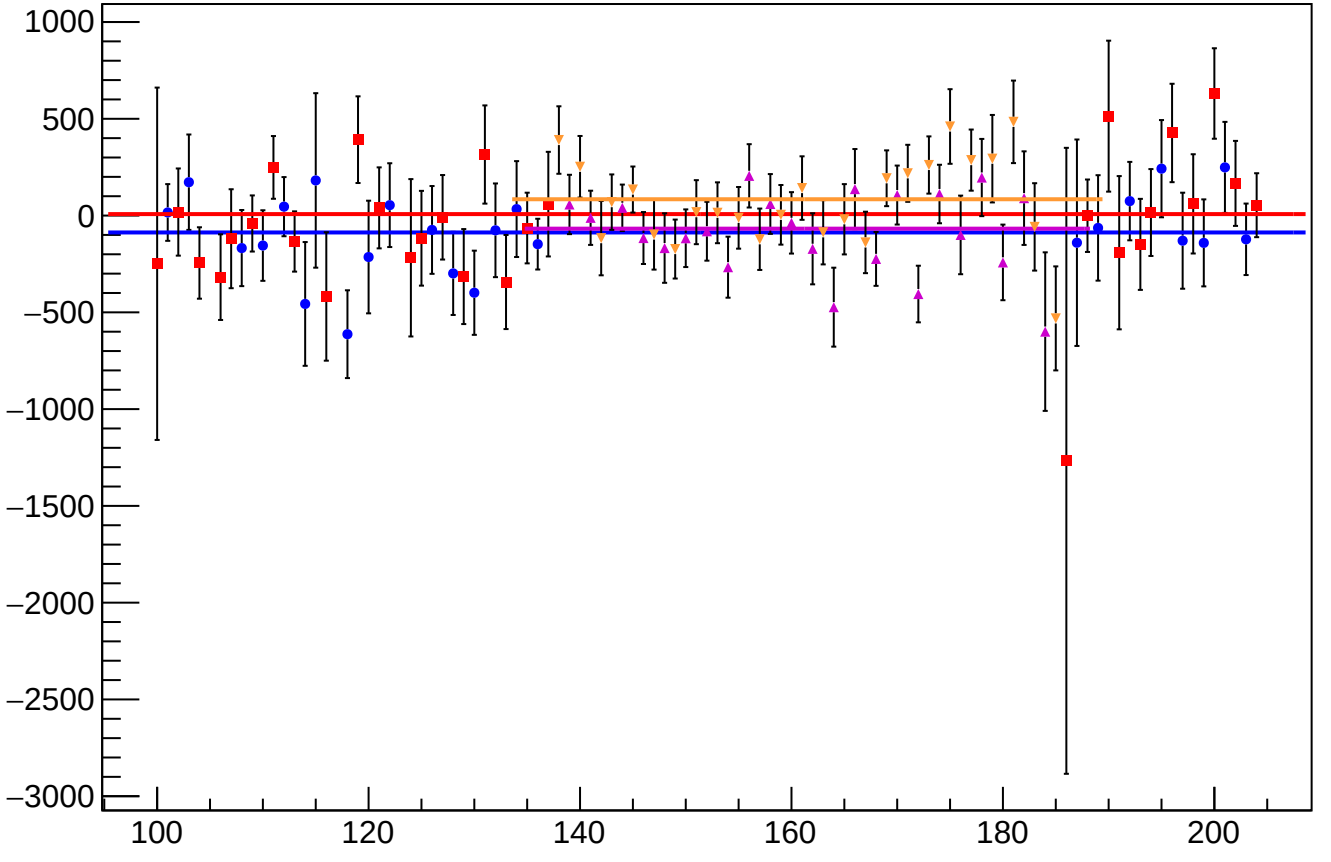
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1192.063+/-0.156 χ^2/NDF: 6379701.8/48

All: 1196.989+/-0.110 χ^2/NDF: 14429203.4/1

- sign 1201.936+/-0.156 χ^2/NDF: 8047504.8/52

cor_asym_sam_48_avg_mean vs Slug



Right In: -87.293+/-43.702 χ^2/NDF: 18.4/23

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 7.612+/-41.257 χ^2/NDF: 31.7/29

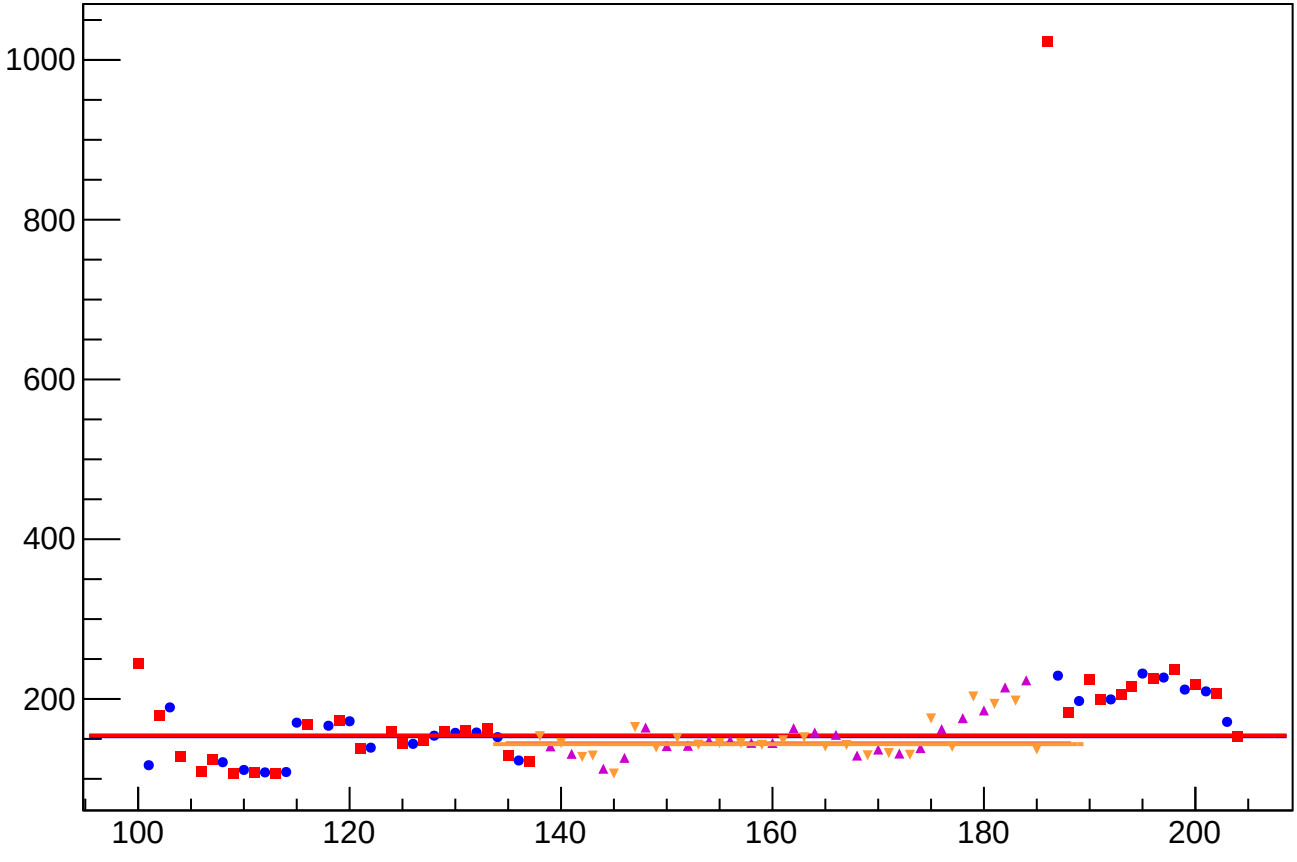
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 21.928+/-26.353 χ^2/NDF: 62.0/48

All: -7.626+/-18.616 χ^2/NDF: 124.7/101

- sign -37.063+/-26.301 χ^2/NDF: 60.2/52

cor_asym_sam_48_avg_rms vs Slug



Right In: 153.359+/-0.031 χ^2/NDF: 1515815.5/23

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.324+/-0.029 χ^2/NDF: 2447641.6/29

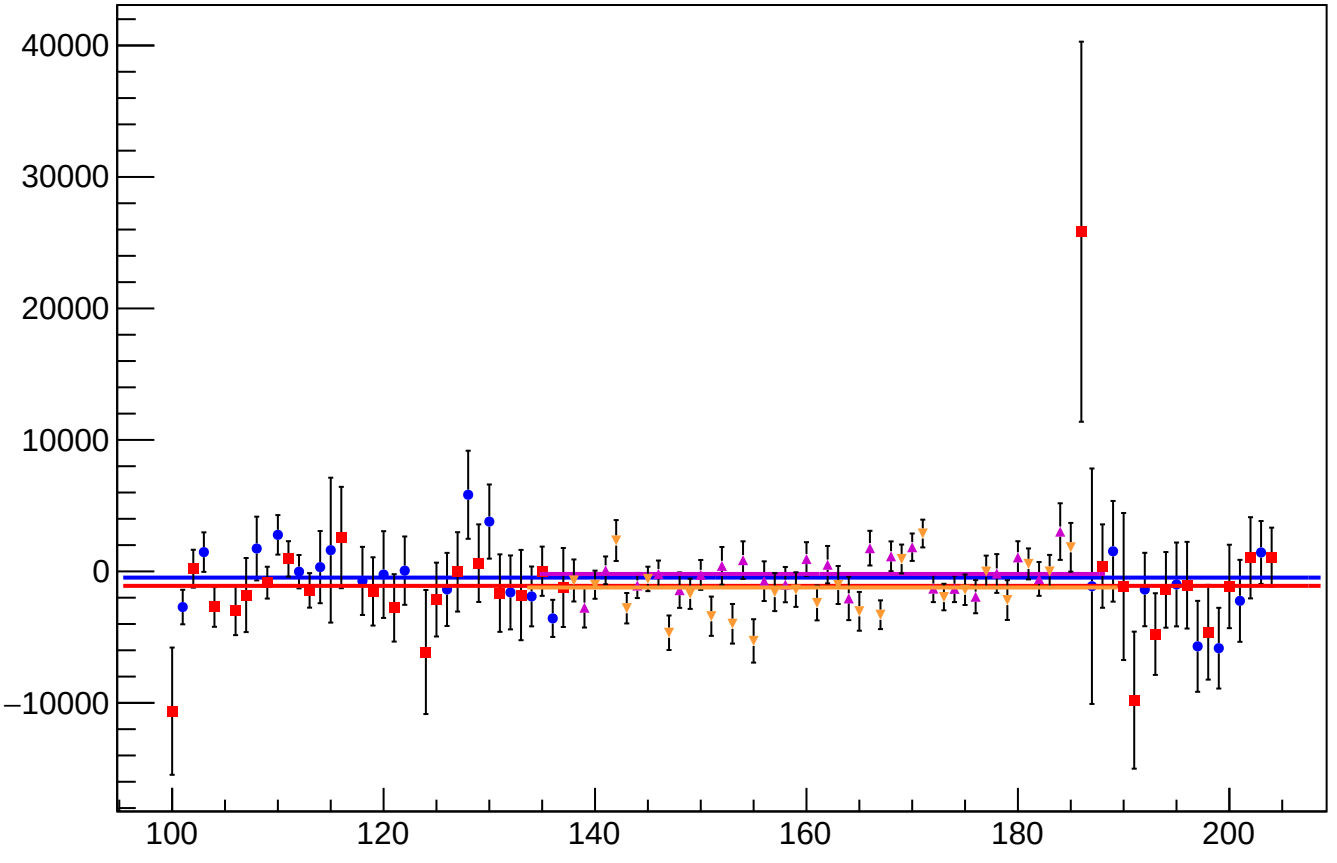
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.049+/-0.019 χ^2/NDF: 2328370.8/48

All: 147.674+/-0.013 χ^2/NDF: 5552870.2/101

- sign 148.297+/-0.019 χ^2/NDF: 3222253.8/52

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -471.238+/-458.728 χ^2/NDF: 28.5/23

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1099.787+/-426.007 χ^2/NDF: 23.1/29

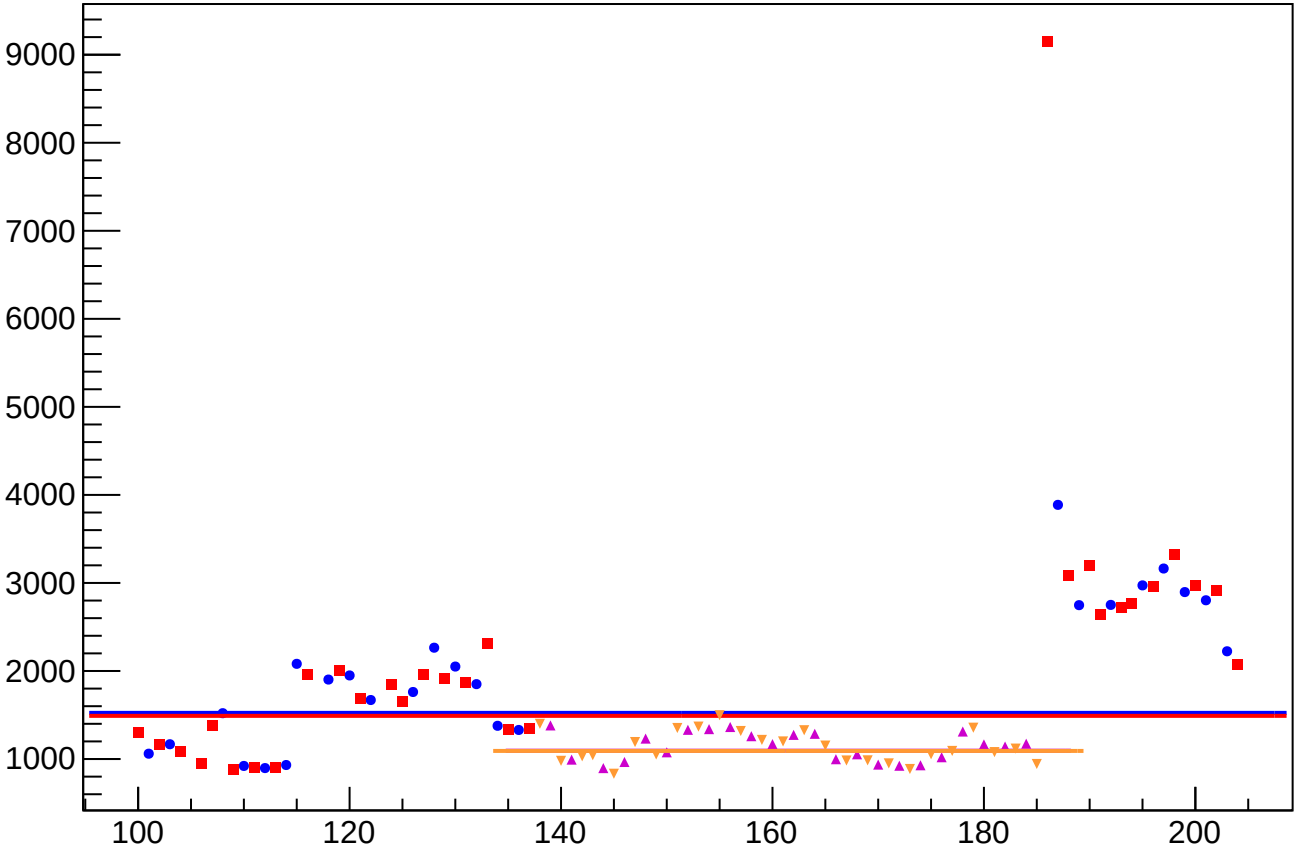
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1050.534+/-220.711 χ^2/NDF: 89.9/48

All: -745.129+/-156.260 χ^2/NDF: 143.4/101

- sign -438.201+/-221.260 χ^2/NDF: 49.7/52

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1524.330+/-0.324 χ^2/NDF: 4121914.7/23

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1490.346+/-0.301 χ^2/NDF: 6067074.3/29

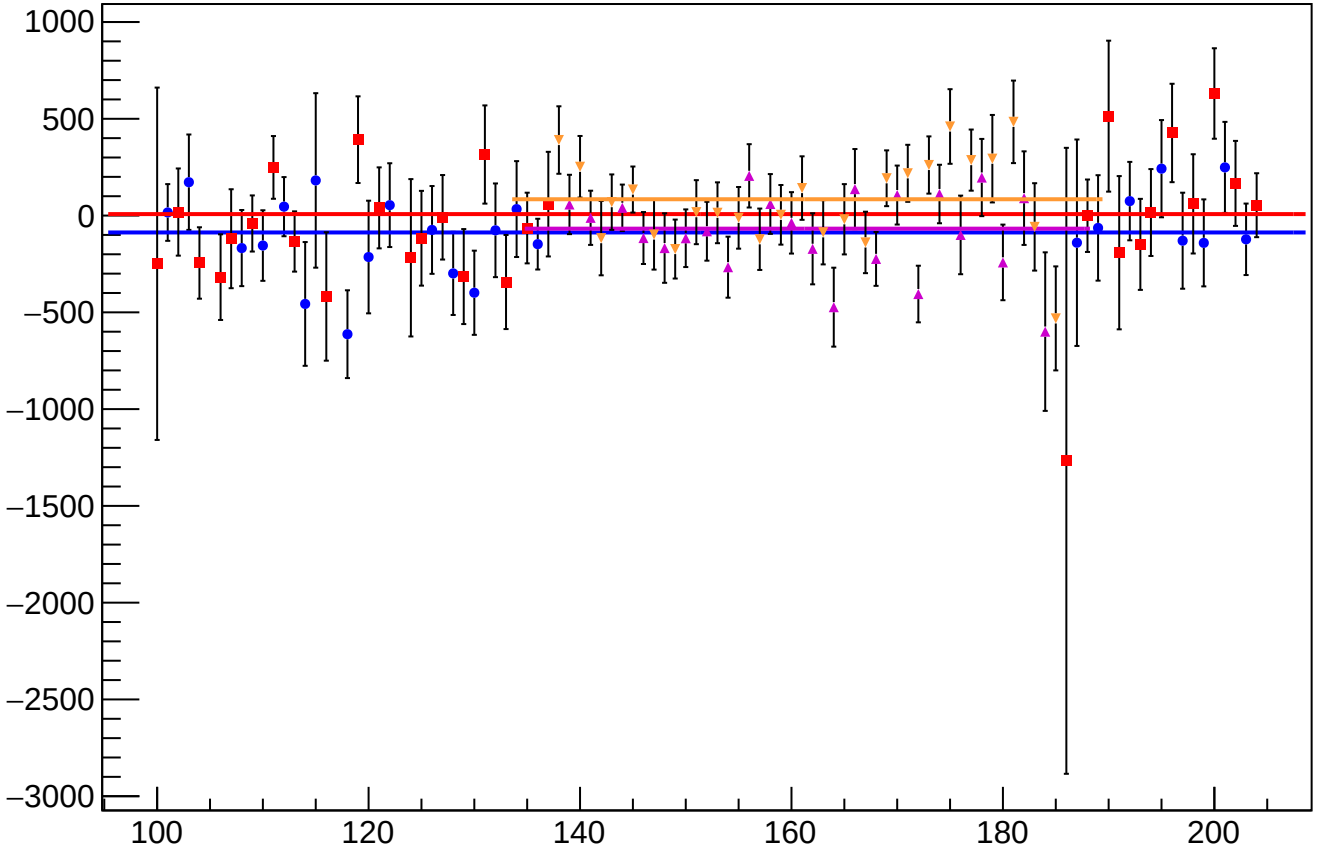
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1192.065+/-0.156 χ^2/NDF: 6379697.3/48

All: 1196.654+/-0.110 χ^2/NDF: 14442618.8/1

- sign 1201.266+/-0.156 χ^2/NDF: 8061188.1/52

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -87.293+/-43.702 χ^2/NDF: 18.4/23

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 7.612+/-41.257 χ^2/NDF: 31.7/29

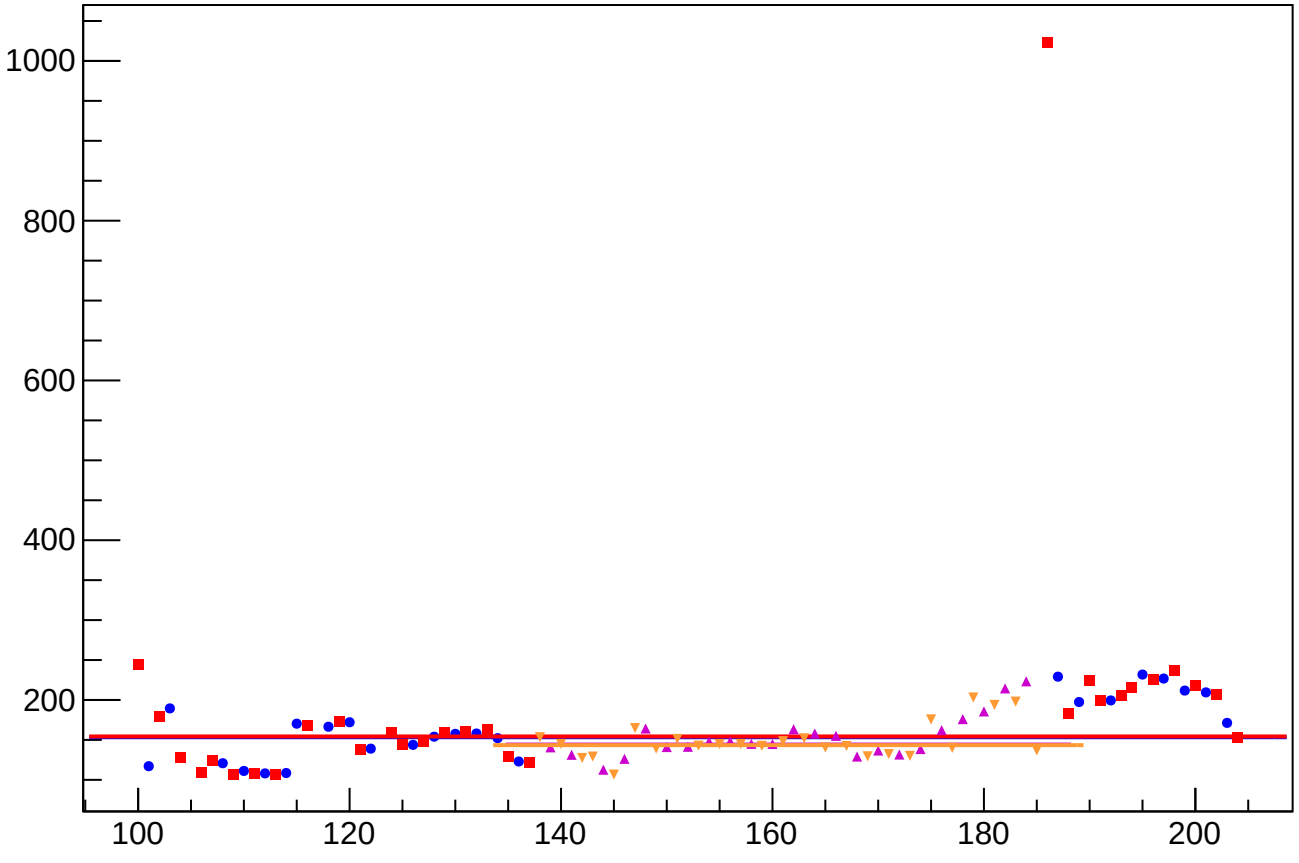
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 21.928+/-26.353 χ^2/NDF: 62.0/48

All: -7.626+/-18.616 χ^2/NDF: 124.7/101

- sign -37.063+/-26.301 χ^2/NDF: 60.2/52

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 153.359+/-0.031 χ^2/NDF: 1515815.5/23

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

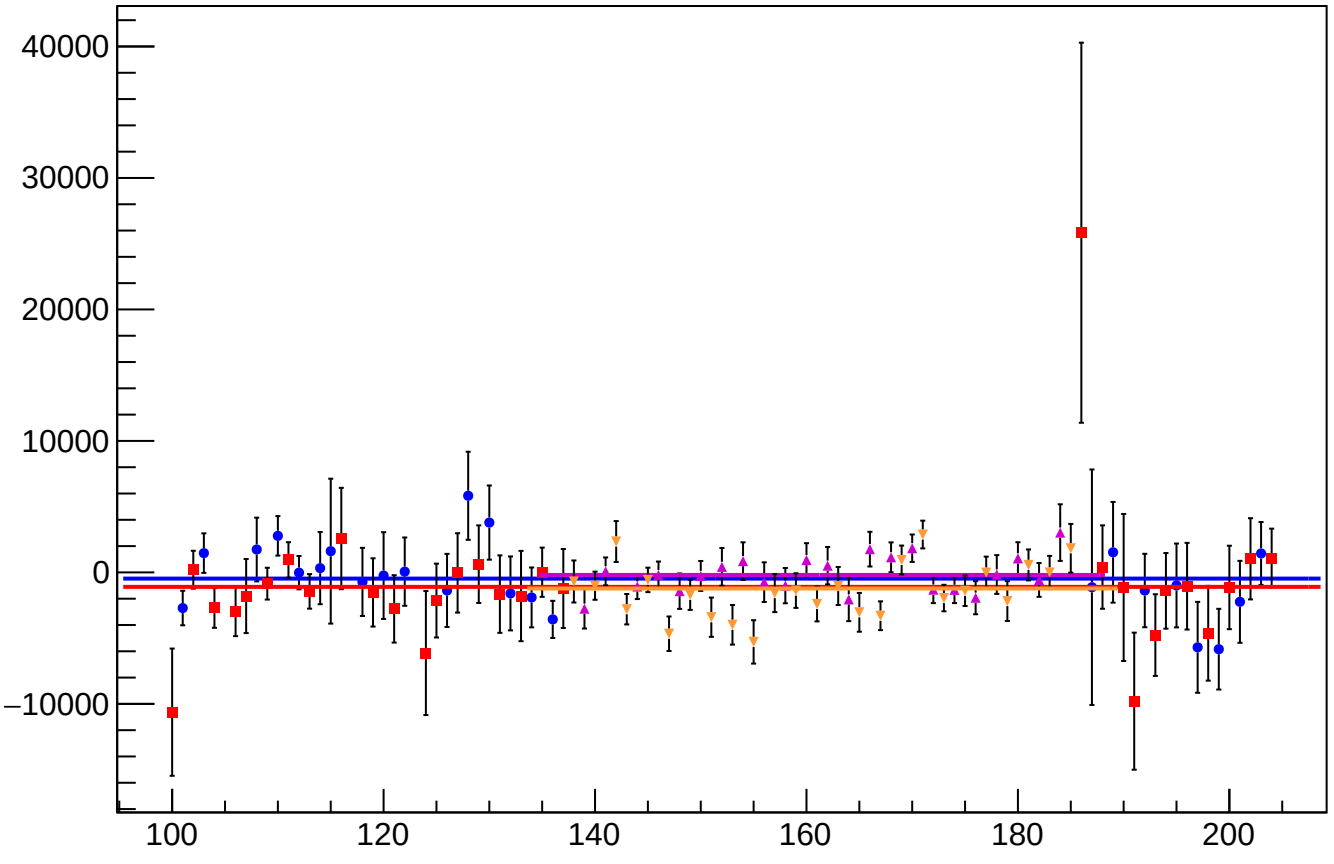
Right Out: 154.324+/-0.029 χ^2/NDF: 2447641.6/29

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.049+/-0.019 χ^2/NDF: 2328370.8/48

All: 147.674+/-0.013 χ^2/NDF: 5552870.2/101

- sign 148.297+/-0.019 χ^2/NDF: 3222253.8/52



Right In: -471.238+/-458.728 χ^2/NDF: 28.5/23

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1099.787+/-426.007 χ^2/NDF: 23.1/29

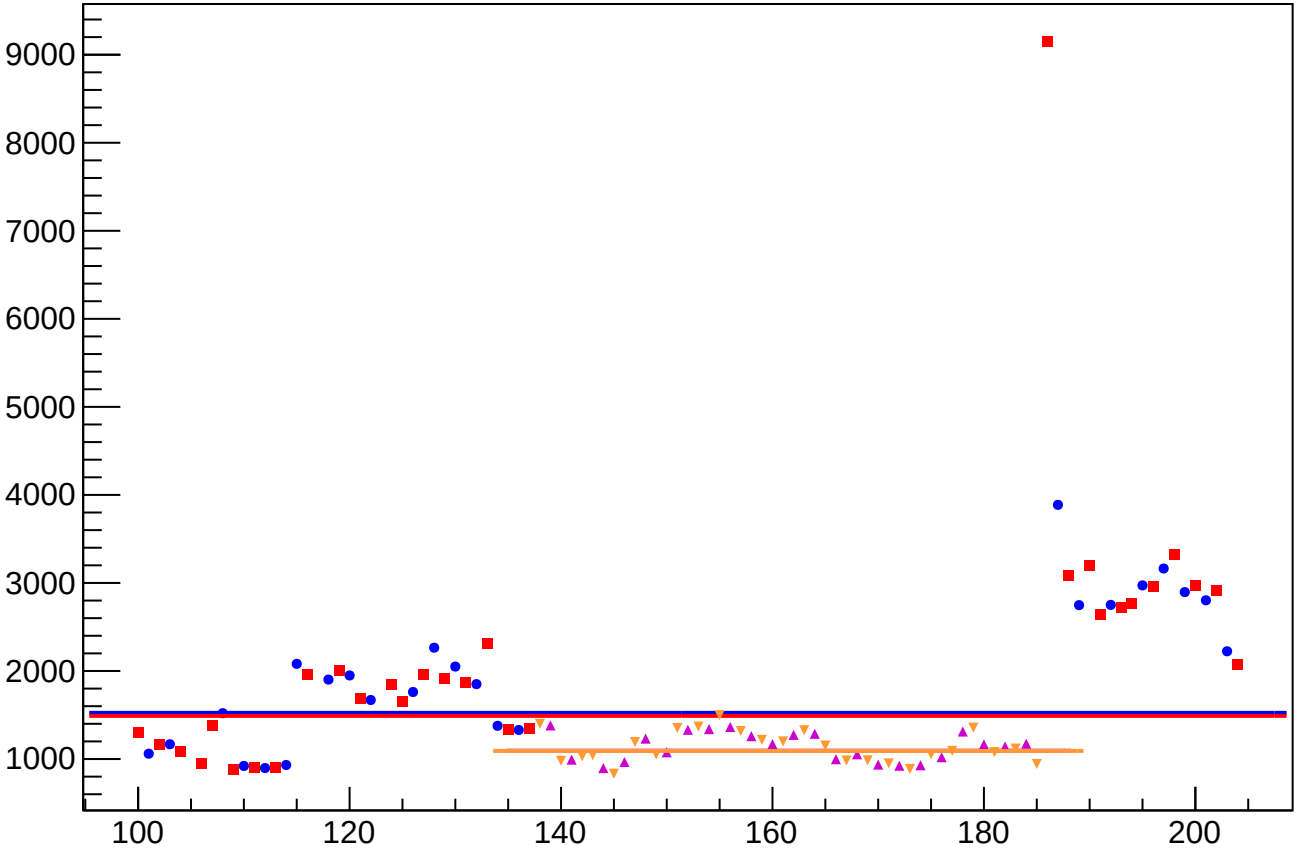
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1050.534+/-220.711 χ^2/NDF: 89.9/48

All: -745.129+/-156.260 χ^2/NDF: 143.4/101

- sign -438.201+/-221.260 χ^2/NDF: 49.7/52

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1524.330+/-0.324 χ^2/NDF: 4121914.7/23

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1490.346+/-0.301 χ^2/NDF: 6067074.3/29

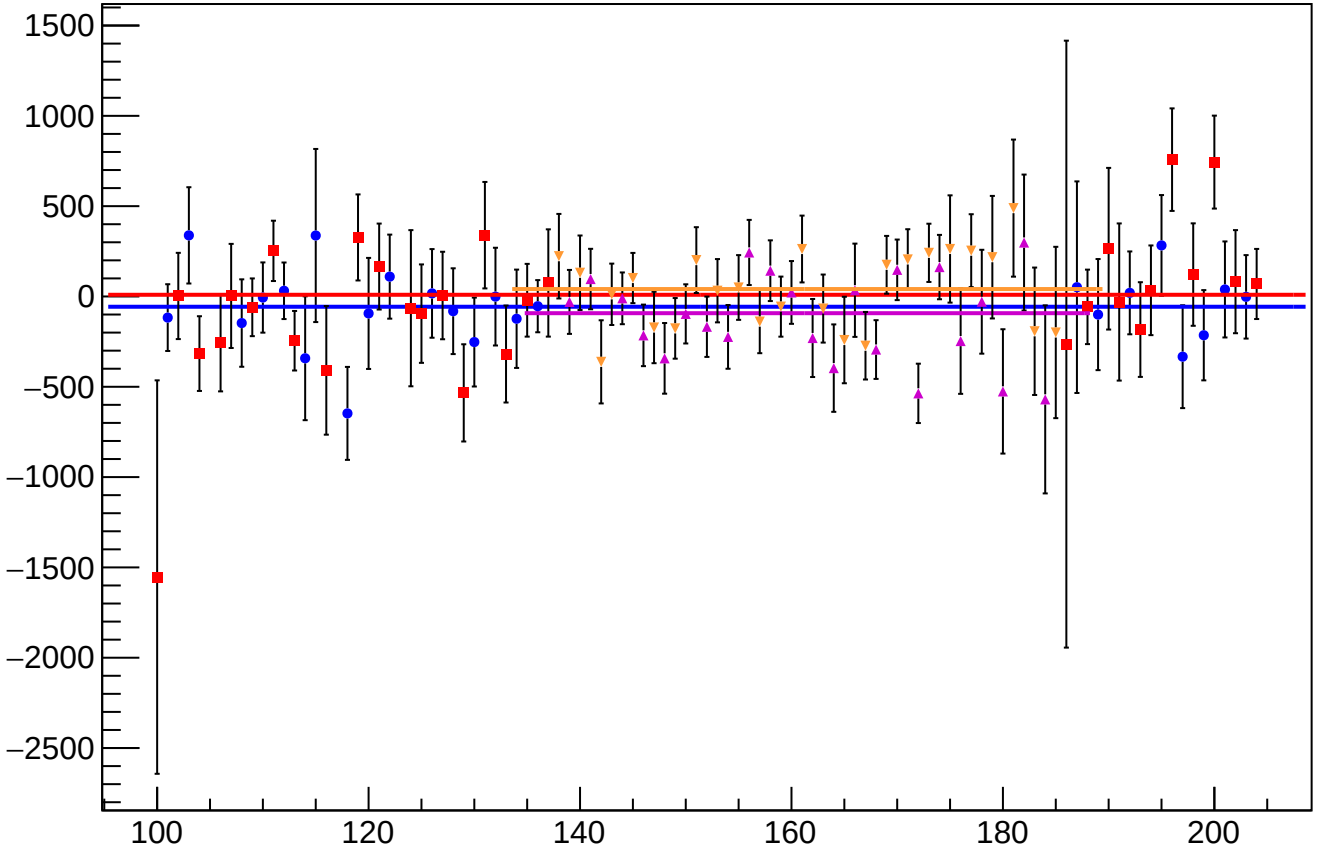
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1192.065+/-0.156 χ^2/NDF: 6379697.3/48

All: 1196.654+/-0.110 χ^2/NDF: 14442618.8/1

- sign 1201.266+/-0.156 χ^2/NDF: 8061188.1/52

dit_asym_sam_48_avg_mean vs Slug



Right In: -56.902+/-48.952 χ^2/NDF: 14.0/23

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 9.348+/-45.768 χ^2/NDF: 37.3/29

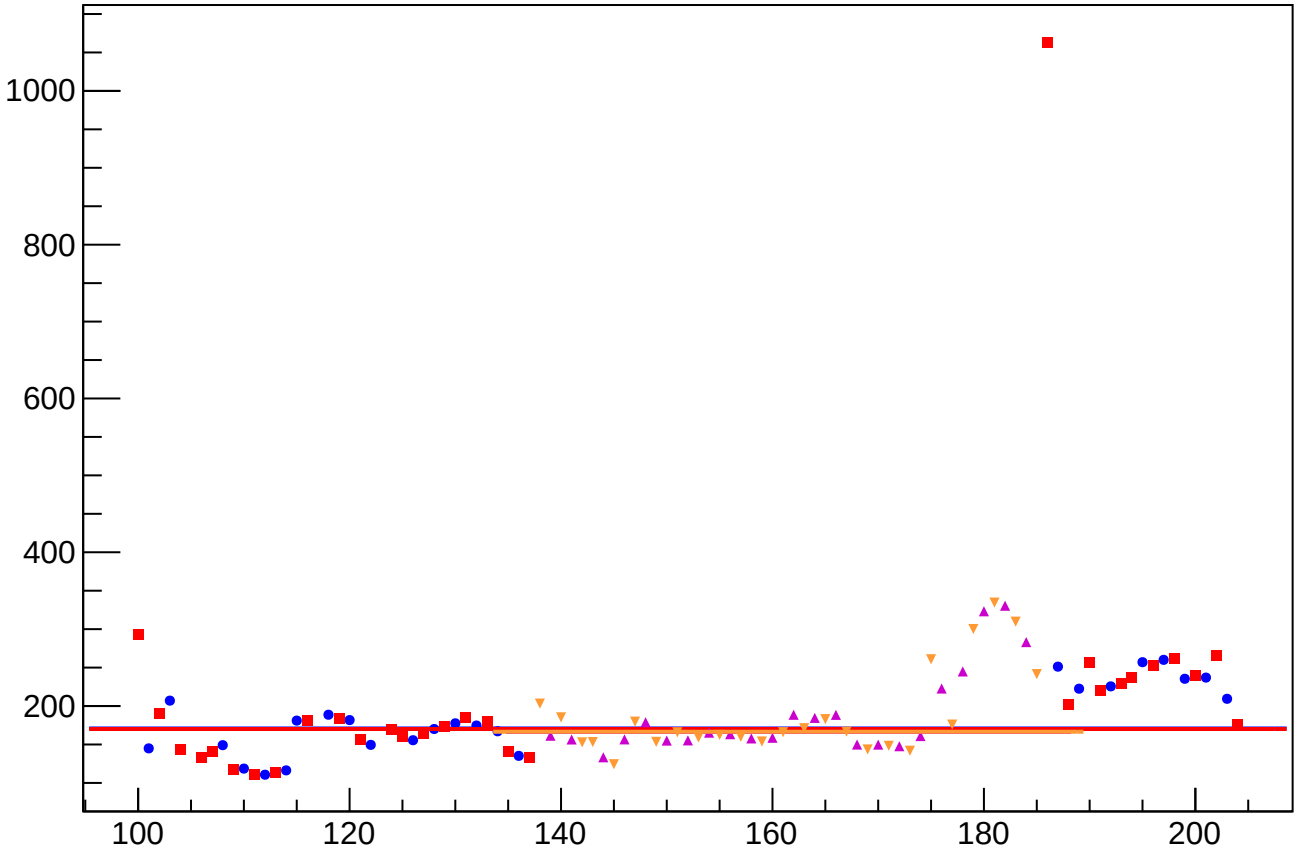
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 2.829+/-30.587 χ^2/NDF: 38.8/48

All: -23.030+/-21.486 χ^2/NDF: 109.8/101

- sign -48.219+/-30.189 χ^2/NDF: 69.6/52

dit_asym_sam_48_avg_rms vs Slug



Right In: 170.798+/-0.035 χ^2/NDF: 1653362.4/23

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

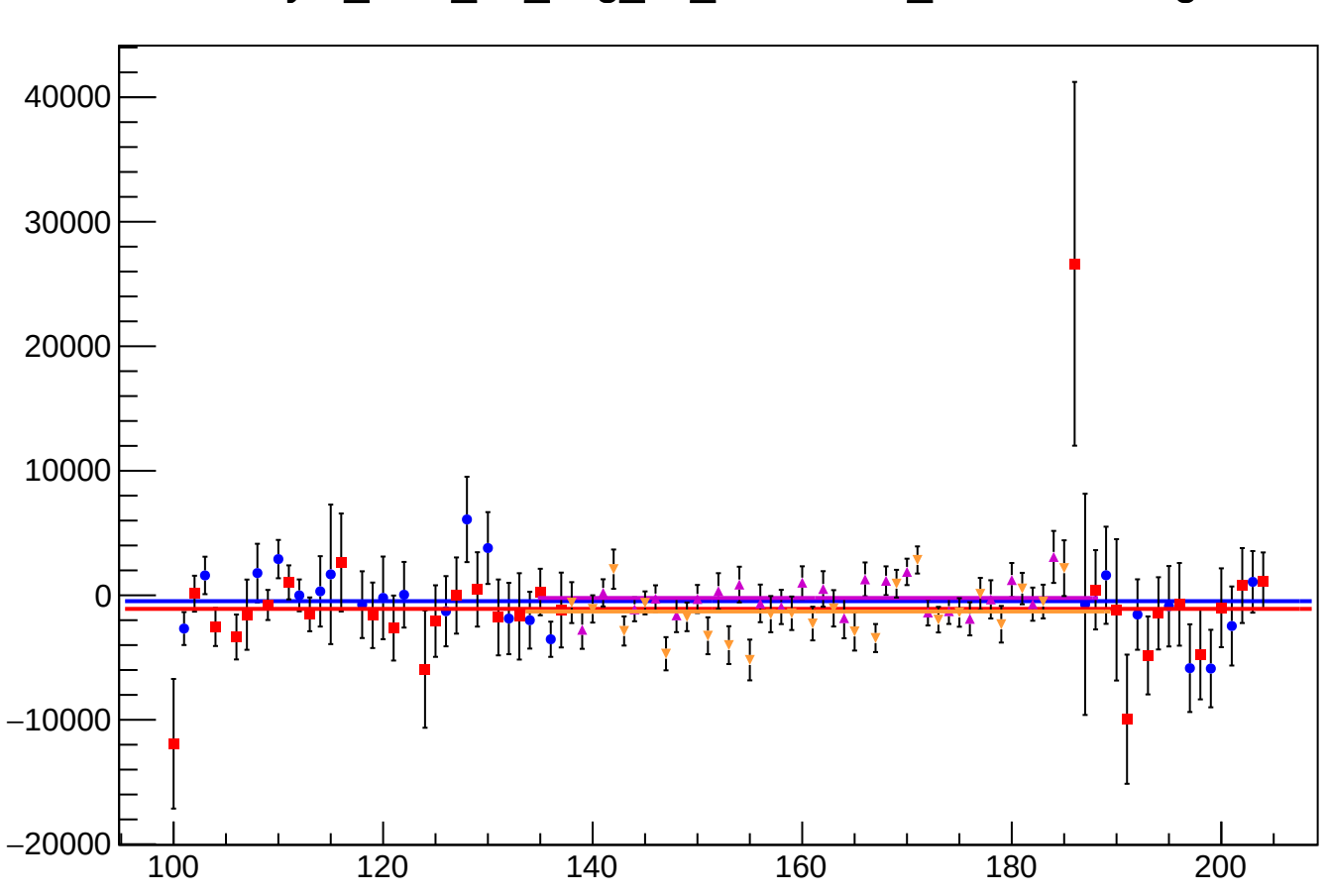
Right Out: 170.133+/-0.032 χ^2/NDF: 2644585.5/29

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 168.238+/-0.022 χ^2/NDF: 3382170.1/48

All: 168.103+/-0.015 χ^2/NDF: 7427189.9/101

- sign 167.972+/-0.021 χ^2/NDF: 4044943.2/52



Right In: -471.512+/-463.824 χ^2/NDF: 28.7/23

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1091.654+/-429.013 χ^2/NDF: 24.2/29

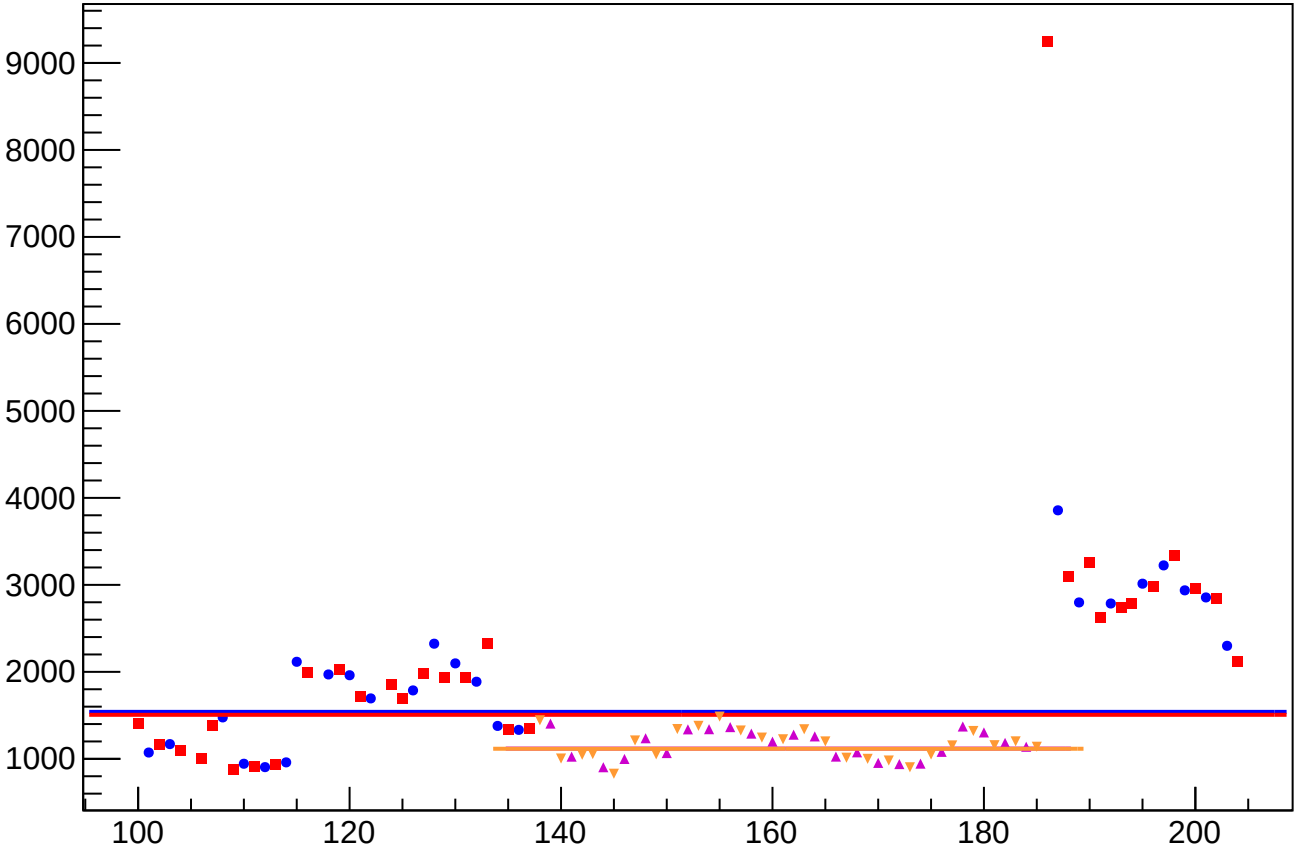
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1104.159+/-224.772 χ^2/NDF: 86.2/48

All: -781.499+/-159.046 χ^2/NDF: 139.8/101

- sign -457.956+/-225.079 χ^2/NDF: 49.4/52

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1540.060+/-0.328 χ^2/NDF: 4178410.4/23

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1506.270+/-0.303 χ^2/NDF: 6014353.4/29

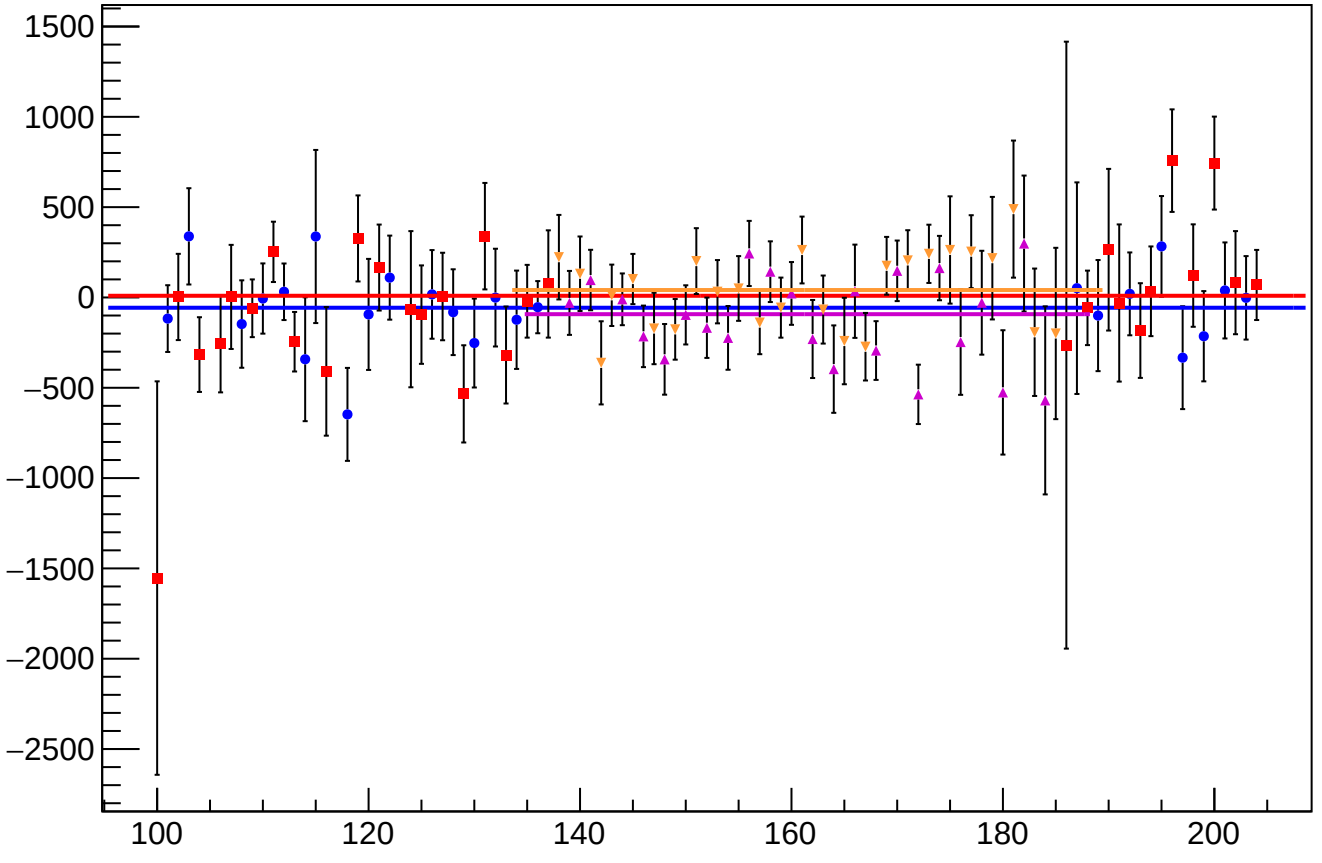
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1215.614+/-0.159 χ^2/NDF: 6324866.4/48

All: 1220.175+/-0.112 χ^2/NDF: 14258543.1/1

- sign 1224.750+/-0.159 χ^2/NDF: 7932026.9/52

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -56.899+/-48.952 χ^2/NDF: 14.0/23

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 9.349+/-45.768 χ^2/NDF: 37.3/29

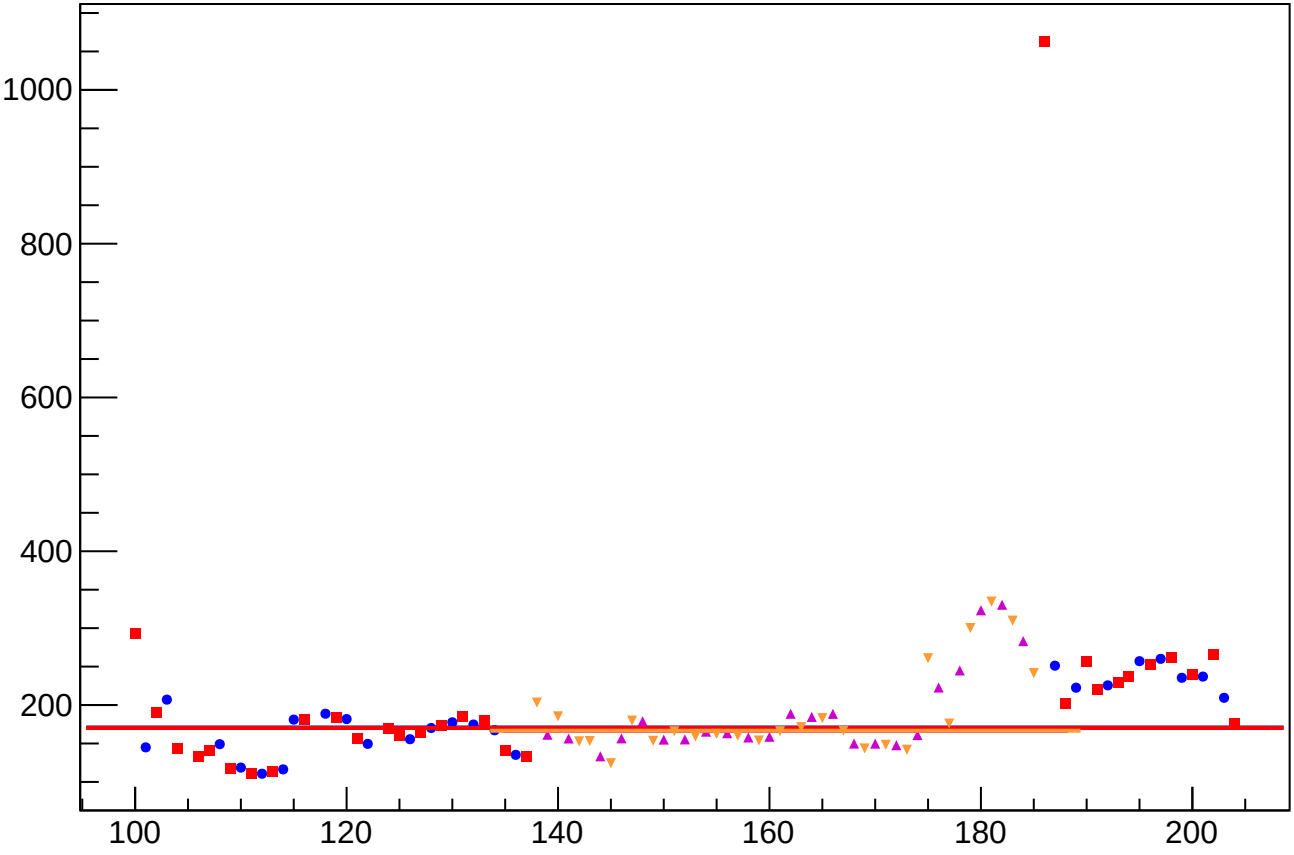
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 2.831+/-30.587 χ^2/NDF: 38.8/48

All: -23.029+/-21.486 χ^2/NDF: 109.8/101

- sign -48.219+/-30.189 χ^2/NDF: 69.6/52

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 170.798+/-0.035 χ^2/NDF: 1653350.3/23

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

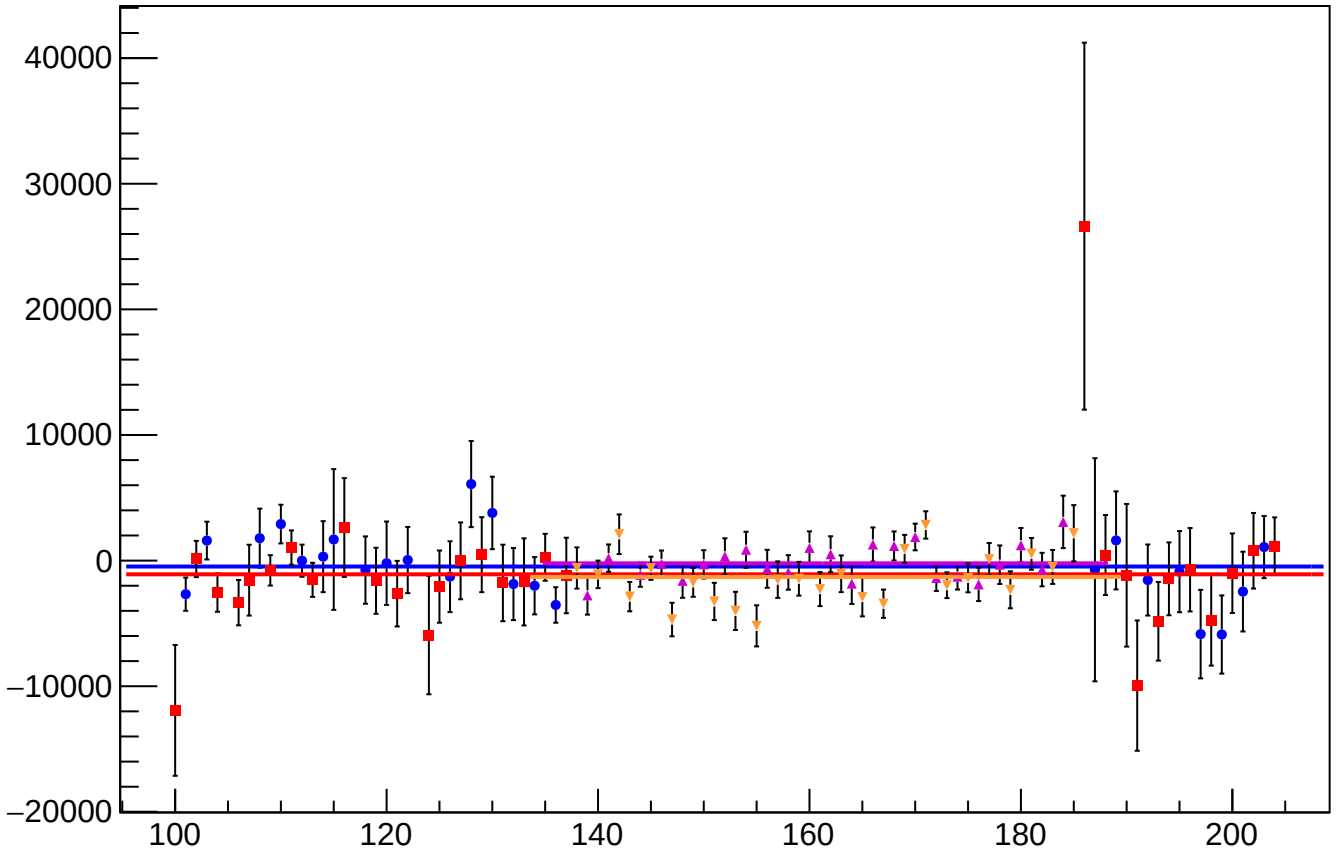
Right Out: 170.133+/-0.032 χ^2/NDF: 2644592.1/29

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 168.238+/-0.022 χ^2/NDF: 3382150.3/48

All: 168.104+/-0.015 χ^2/NDF: 7427155.1/101

- sign 167.972+/-0.021 χ^2/NDF: 4044928.3/52



Right In: -471.511+/-463.823 χ^2/NDF: 28.7/23

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: -1091.652+/-429.013 χ^2/NDF: 24.2/29

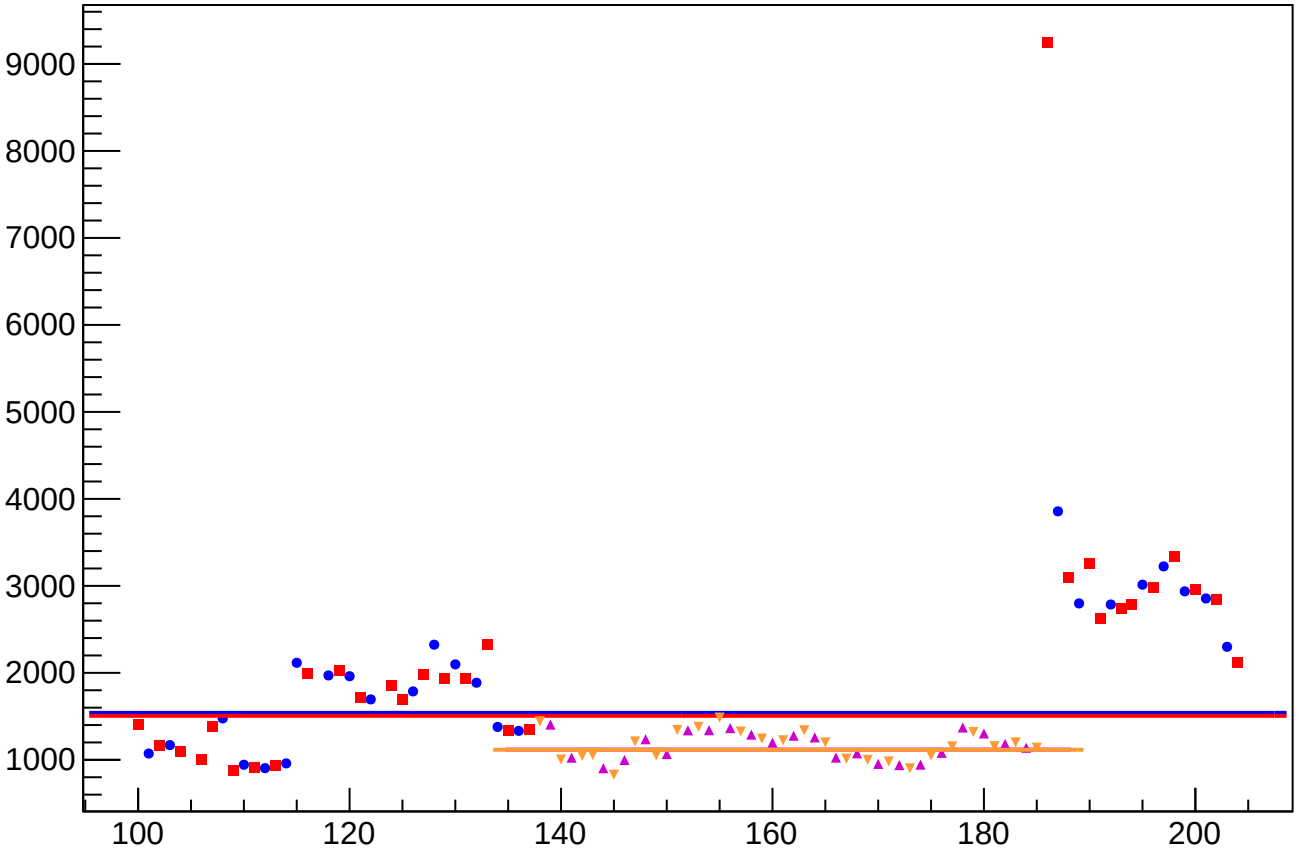
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1104.157+/-224.772 χ^2/NDF: 86.2/48

All: -781.497+/-159.046 χ^2/NDF: 139.8/101

- sign -457.954+/-225.079 χ^2/NDF: 49.4/52

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1540.058+/-0.328 χ^2/NDF: 4178411.1/23

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1506.268+/-0.303 χ^2/NDF: 6014350.8/29

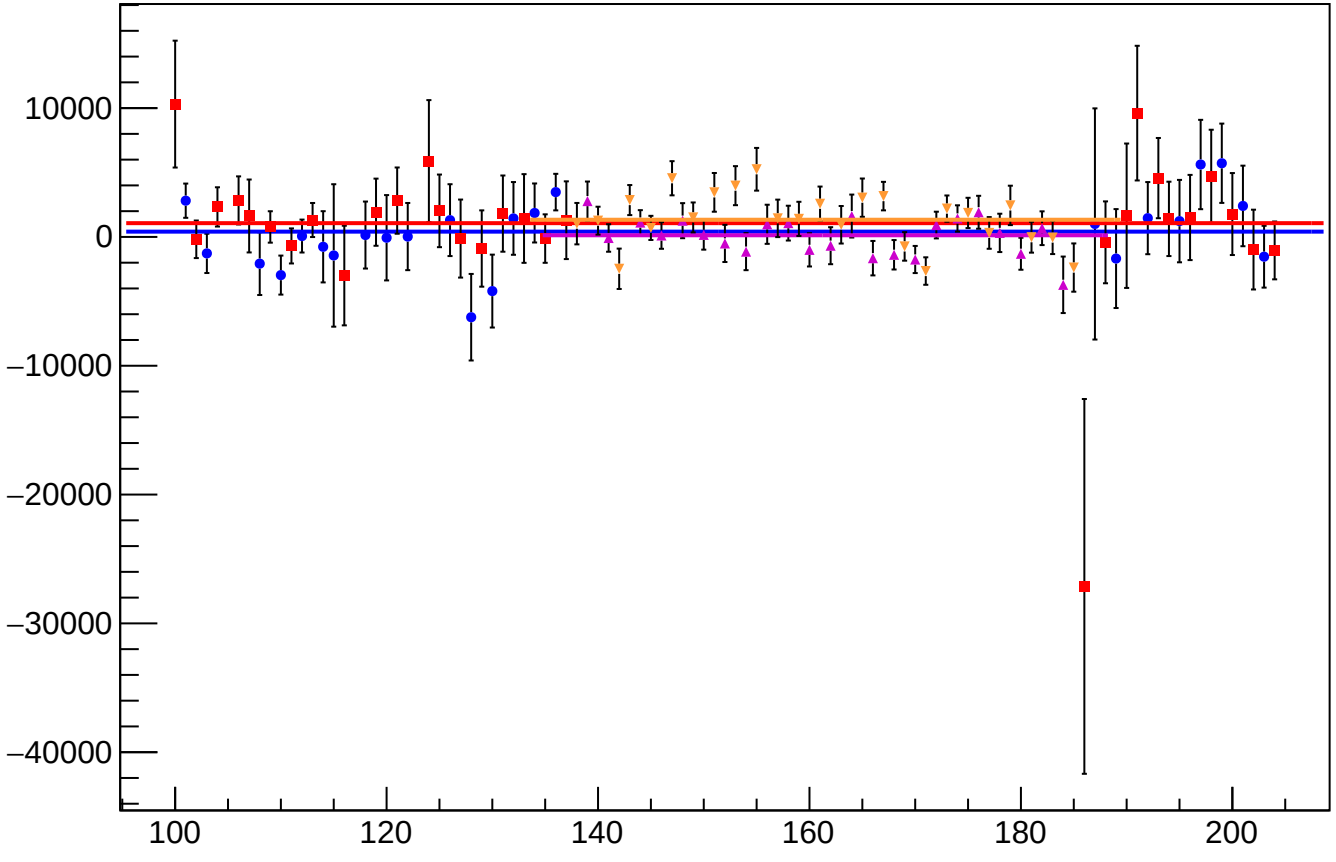
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1215.612+/-0.159 χ^2/NDF: 6324873.9/48

All: 1220.173+/-0.112 χ^2/NDF: 14258551.5/1

- sign 1224.748+/-0.159 χ^2/NDF: 7932027.8/52

asym_sam_48_avg_mean vs Slug



Right In: 410.640+/-461.793 χ^2/NDF: 29.6/23

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 1069.455+/-428.224 χ^2/NDF: 21.9/29

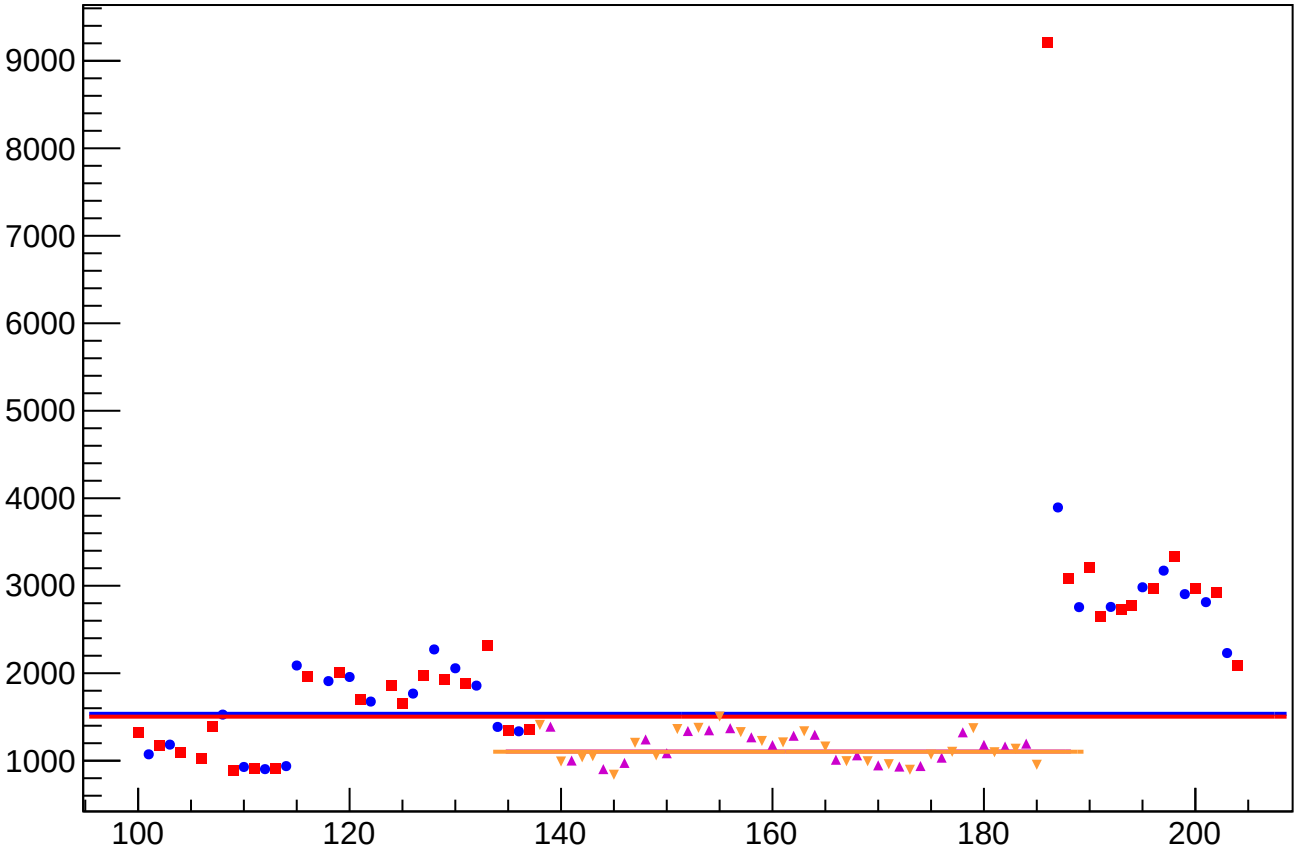
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1119.833+/-222.682 χ^2/NDF: 88.3/48

All: 752.581+/-157.616 χ^2/NDF: 143.2/101

- sign 383.864+/-223.125 χ^2/NDF: 49.4/52

asym_sam_48_avg_rms vs Slug



Right In: 1536.065+/-0.327 χ^2/NDF: 4076933.8/23

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

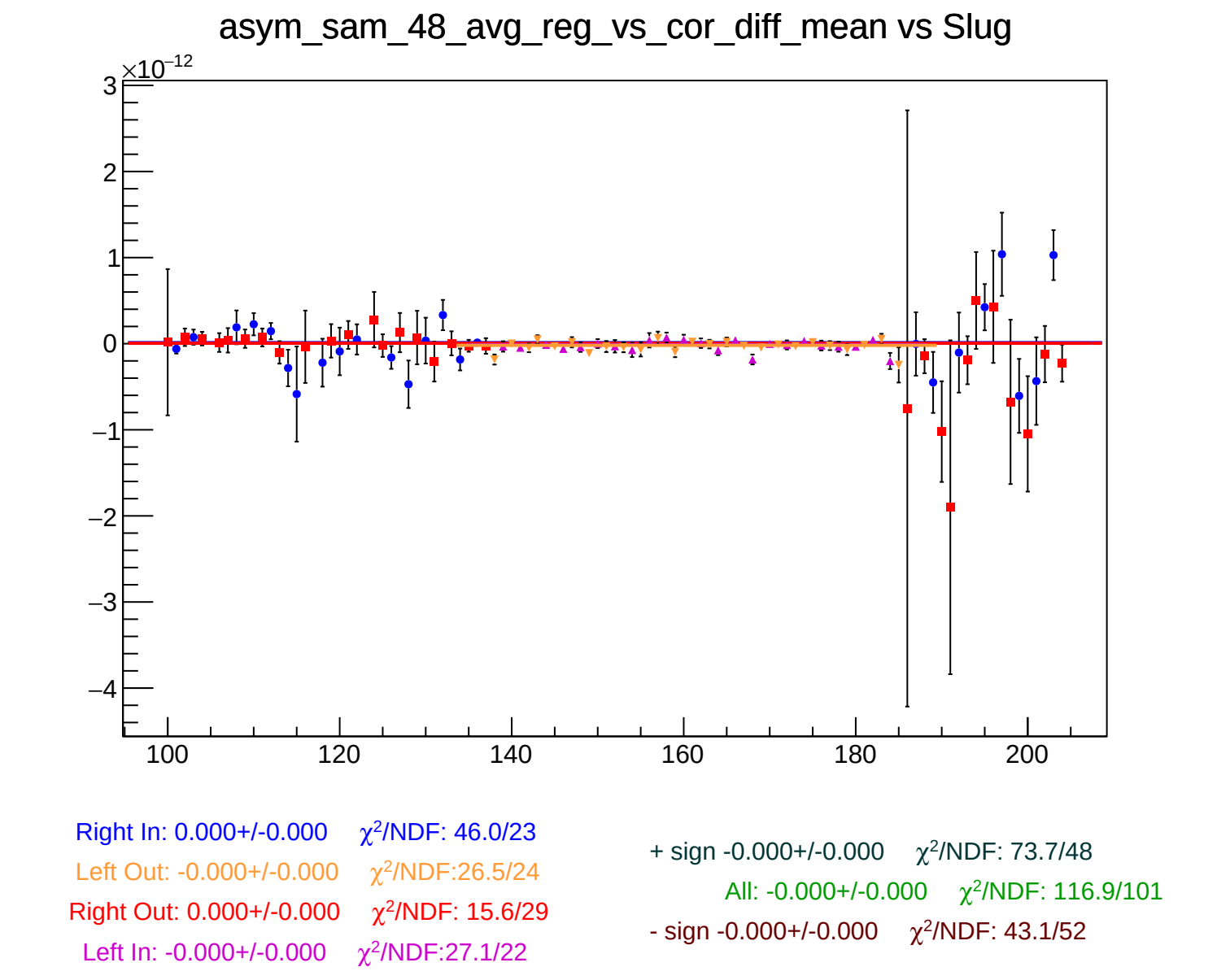
Right Out: 1503.422+/-0.303 χ^2/NDF: 5988098.0/29

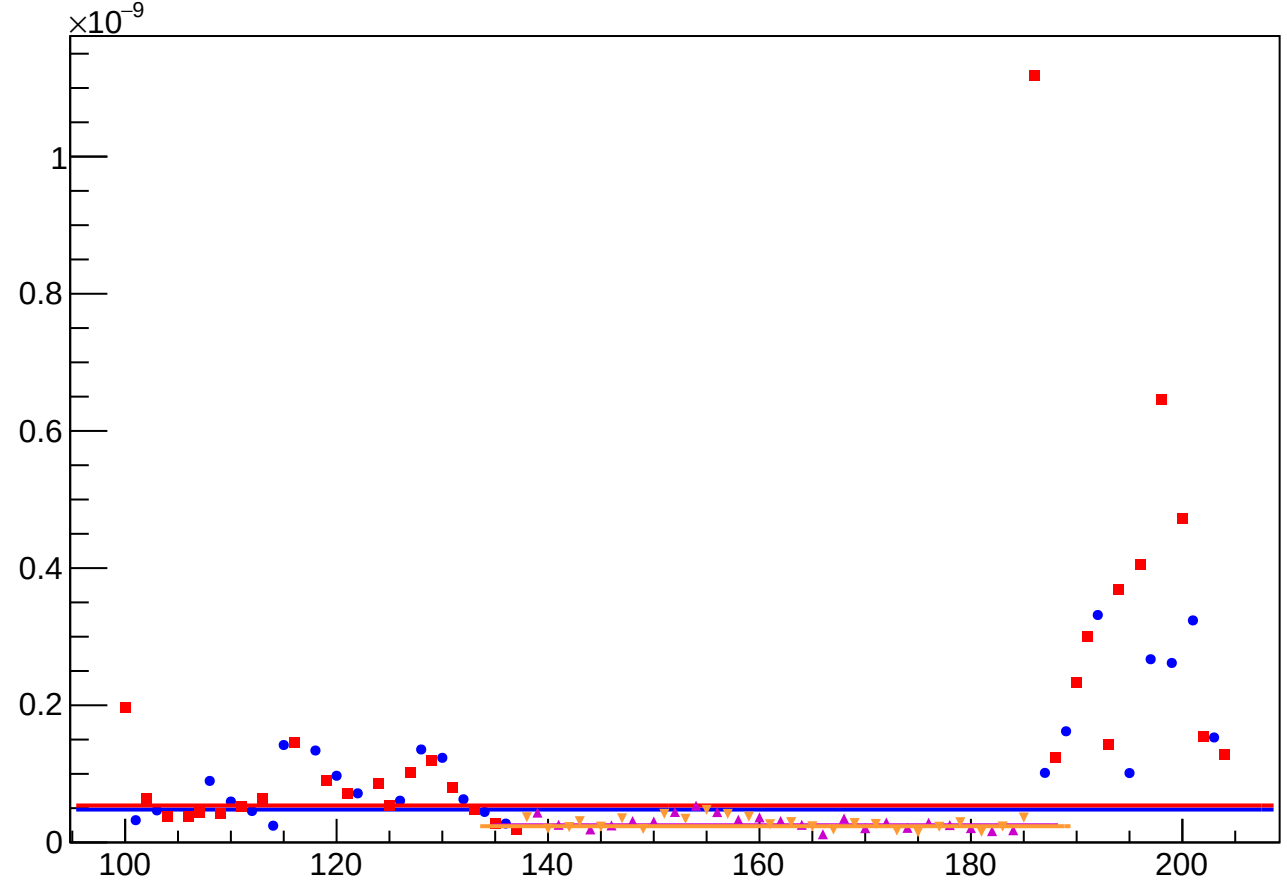
Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1203.470+/-0.157 χ^2/NDF: 6309182.4/48

All: 1208.382+/-0.111 χ^2/NDF: 14282547.5/1

- sign 1213.313+/-0.158 χ^2/NDF: 7971414.8/52


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 46.0/23
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/29
Left In: -0.000+/-0.000 χ²/NDF:27.1/22
+ sign -0.000+/-0.000 χ²/NDF: 73.7/48
All: -0.000+/-0.000 χ²/NDF: 116.9/101
- sign -0.000+/-0.000 χ²/NDF: 43.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 4255691.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5312464.7/29

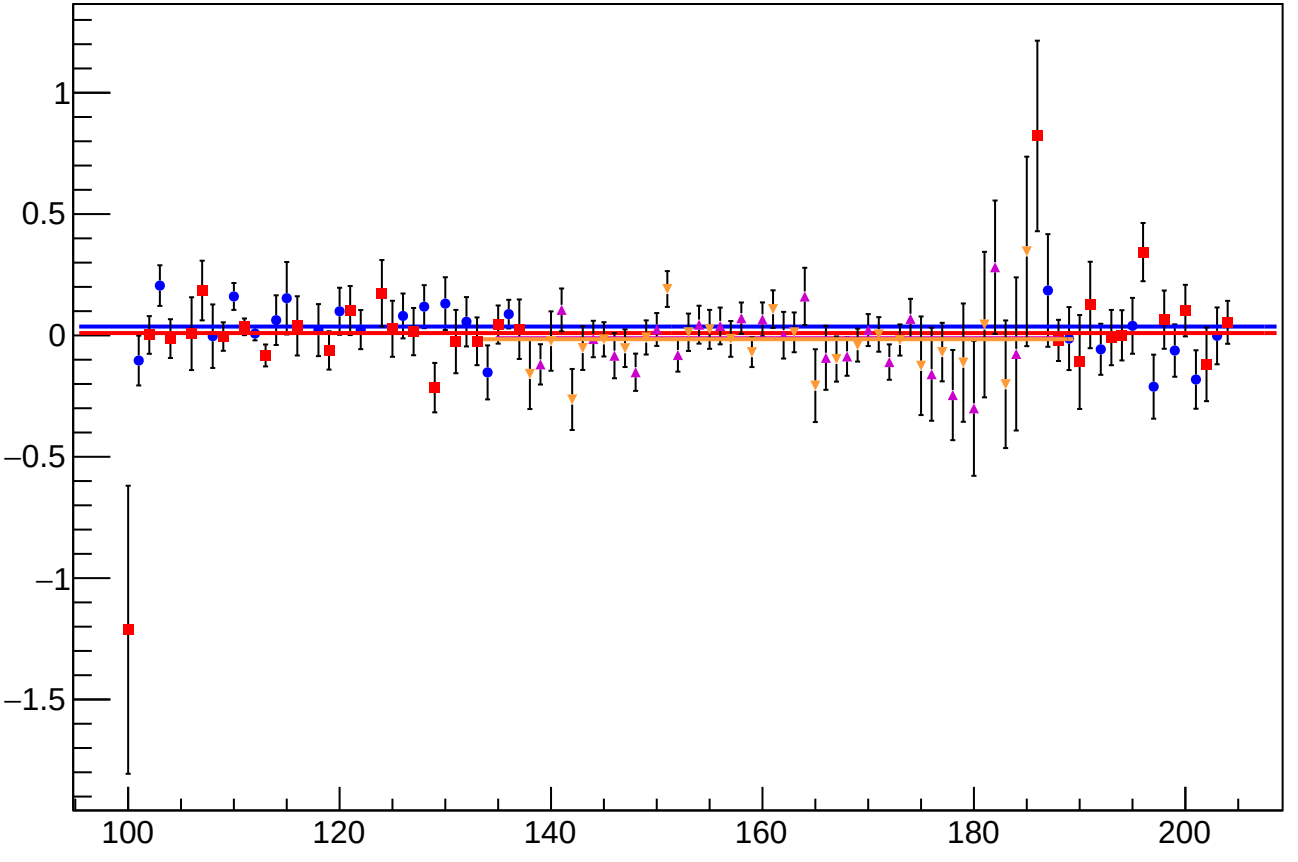
Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7214994.5/48

All: 0.000+/-0.000 χ^2/NDF: 16012609.2/101

- sign 0.000+/-0.000 χ^2/NDF: 8746101.1/52

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.037+/-0.016 χ^2/NDF: 27.8/23

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.010+/-0.016 χ^2/NDF: 34.5/29

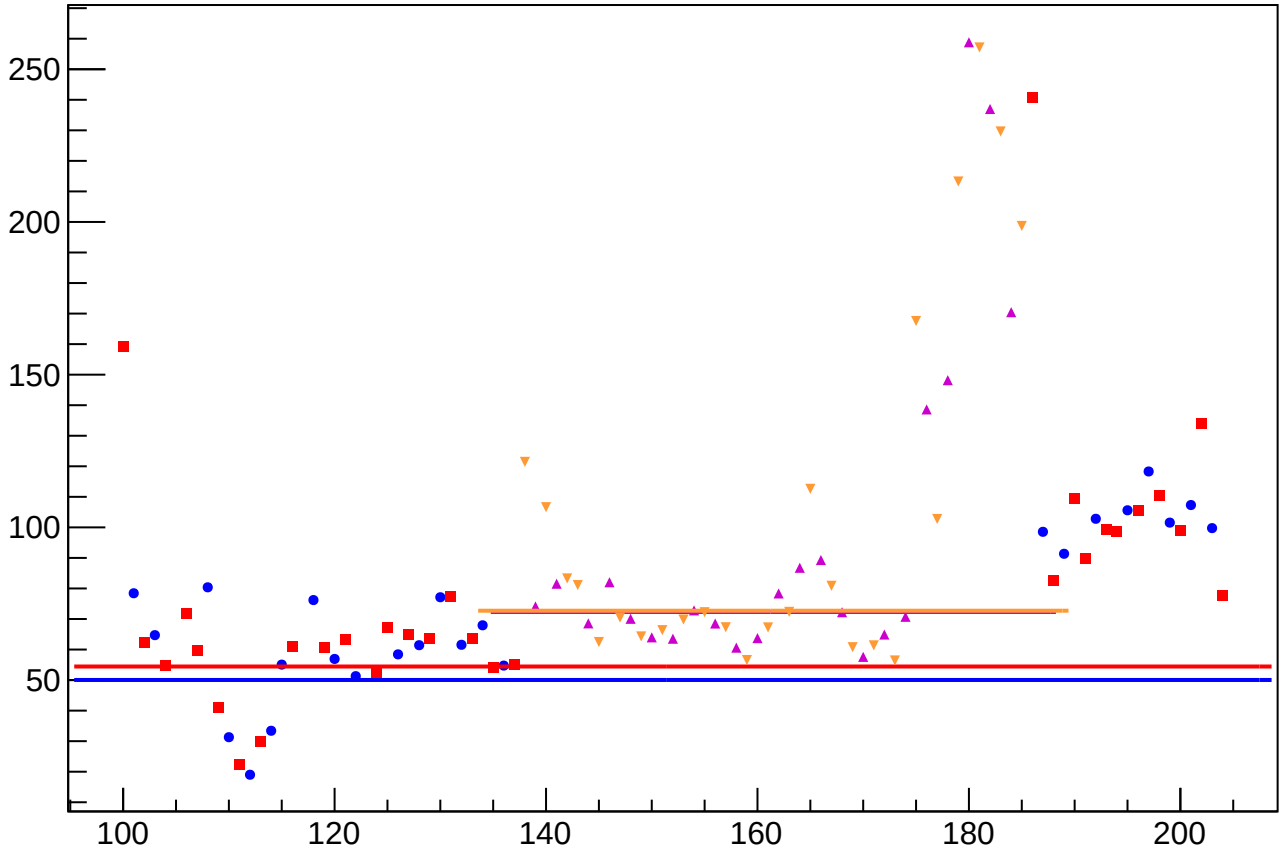
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.013+/-0.012 χ^2/NDF: 54.0/48

All: 0.007+/-0.009 χ^2/NDF: 113.2/101

- sign 0.001+/-0.012 χ^2/NDF: 58.6/52

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.040+/-0.012 χ^2/NDF: 6492879.3/23

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

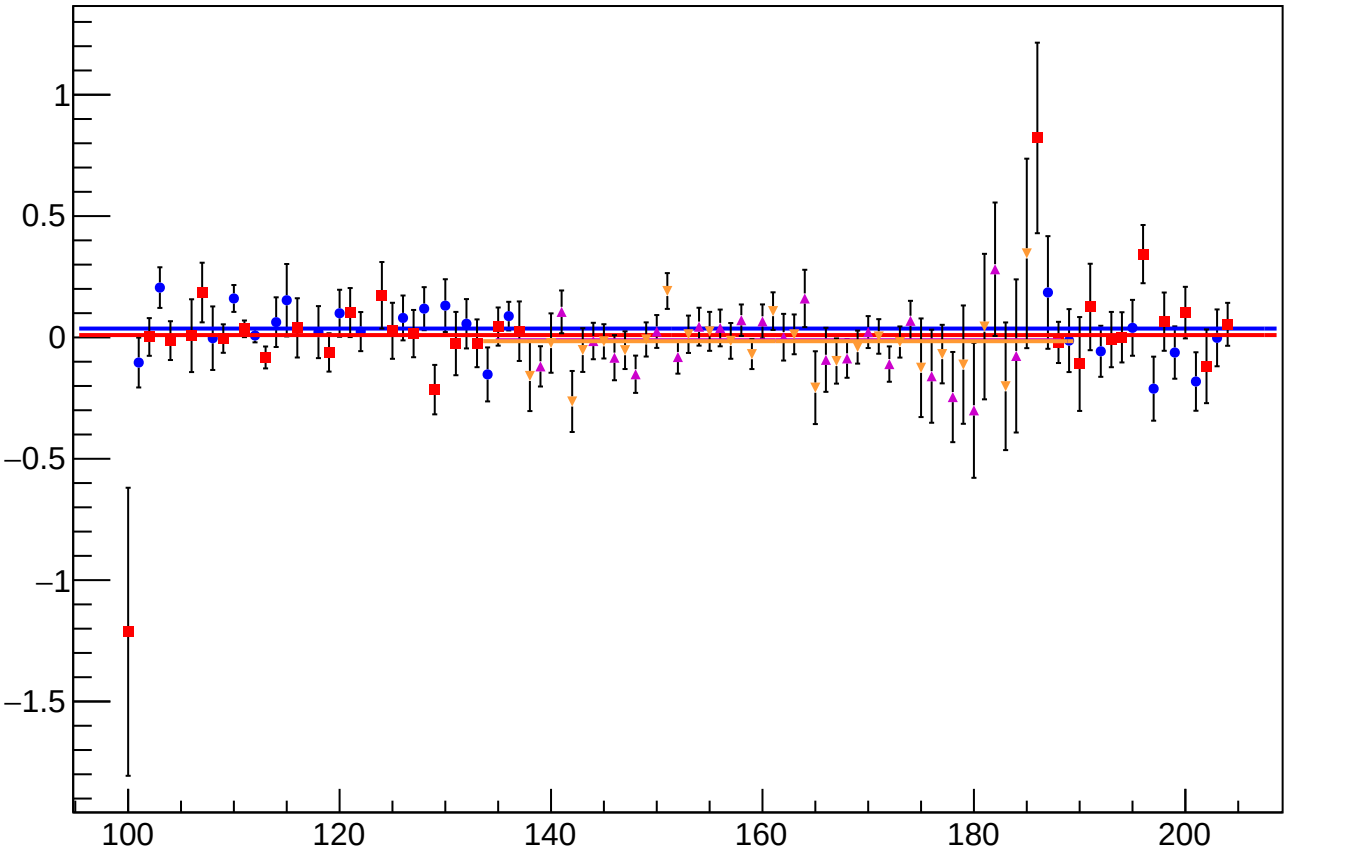
Right Out: 54.447+/-0.011 χ^2/NDF: 6174462.3/29

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 60.384+/-0.009 χ^2/NDF: 12187523.9/48

All: 61.311+/-0.006 χ^2/NDF: 22254378.8/101

- sign 62.227+/-0.009 χ^2/NDF: 10043617.9/52



Right In: 0.037+/-0.016 χ^2/NDF: 27.8/23

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

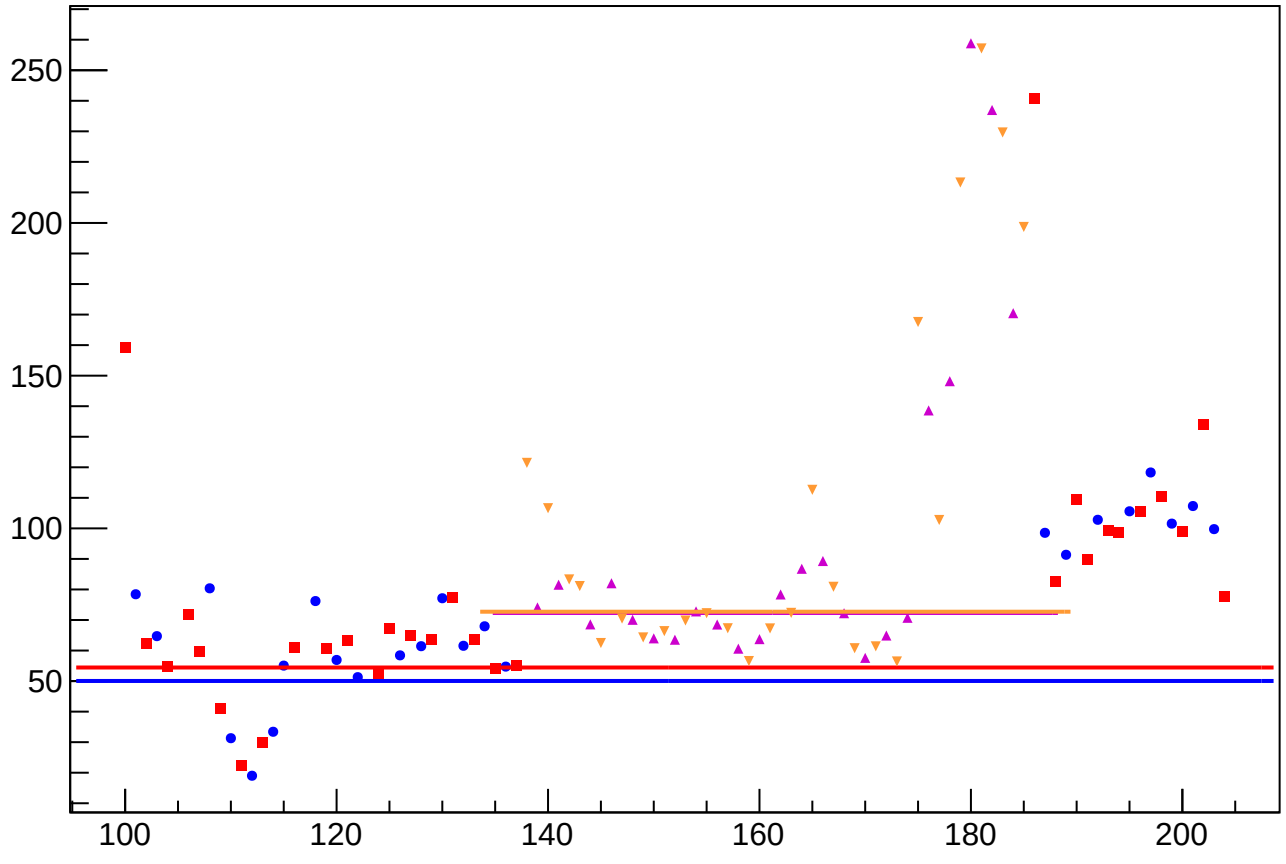
Right Out: 0.010+/-0.016 χ^2/NDF: 34.5/29

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.013+/-0.012 χ^2/NDF: 54.0/48

All: 0.007+/-0.009 χ^2/NDF: 113.2/101

- sign 0.001+/-0.012 χ^2/NDF: 58.6/52



Right In: 50.040+/-0.012 χ^2/NDF: 6492879.3/23

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

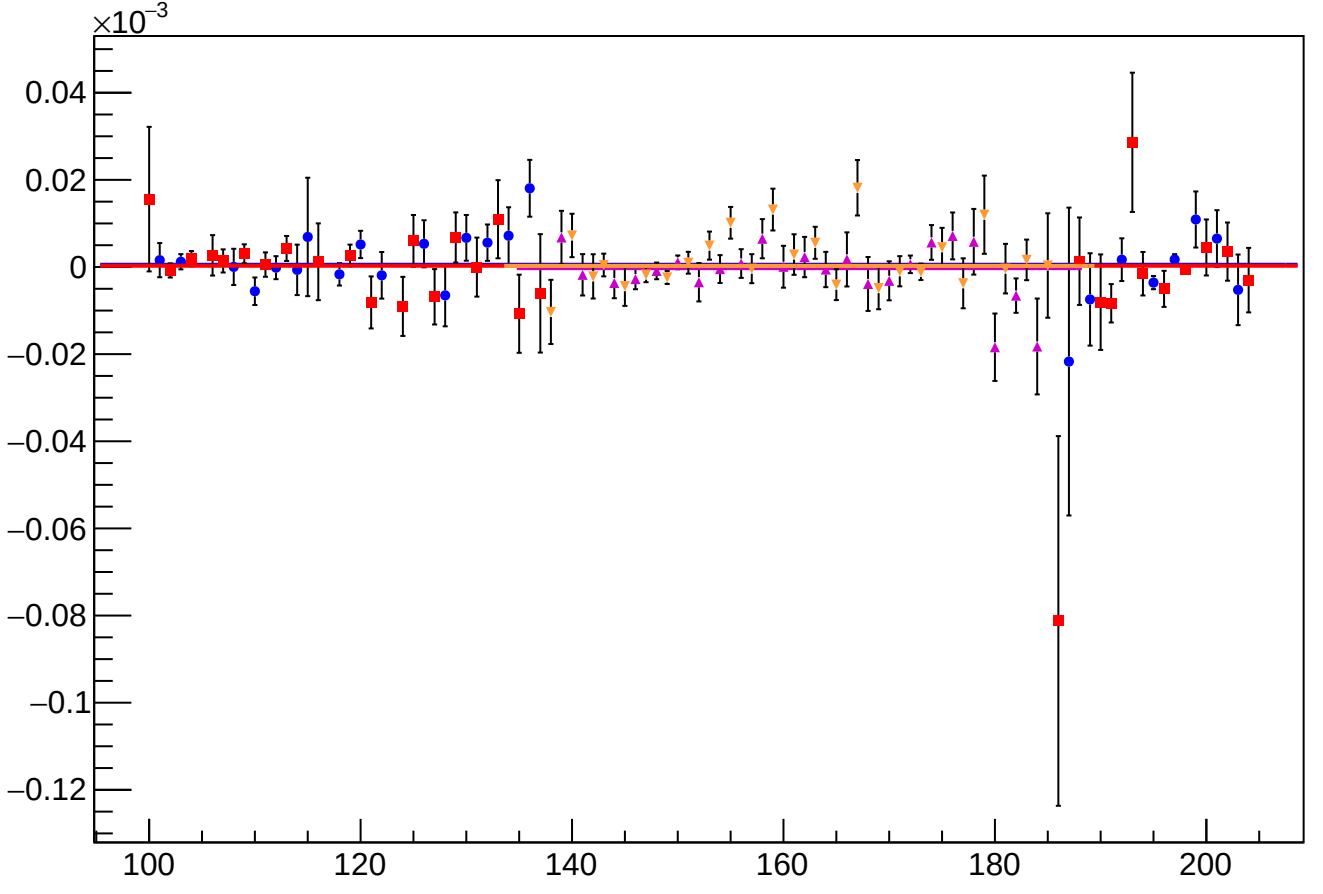
Right Out: 54.447+/-0.011 χ^2/NDF: 6174462.3/29

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 60.384+/-0.009 χ^2/NDF: 12187523.9/48

All: 61.311+/-0.006 χ^2/NDF: 22254378.8/101

- sign 62.227+/-0.009 χ^2/NDF: 10043617.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 33.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

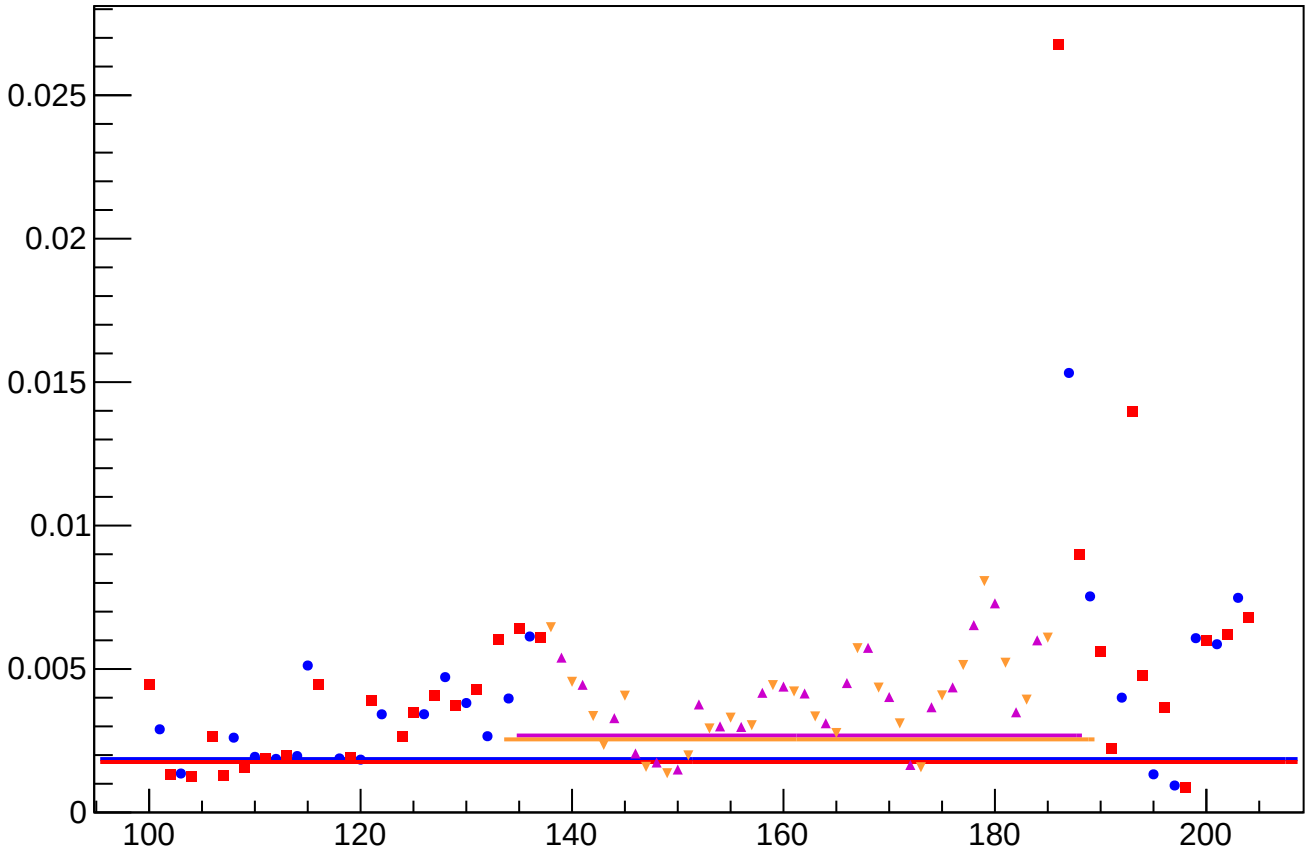
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/29

Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.1/48

All: 0.000+/-0.000 χ^2/NDF: 134.0/101

- sign 0.000+/-0.000 χ^2/NDF: 56.7/52



Right In: 0.002+/-0.000 χ^2/NDF: 7748693.0/23

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

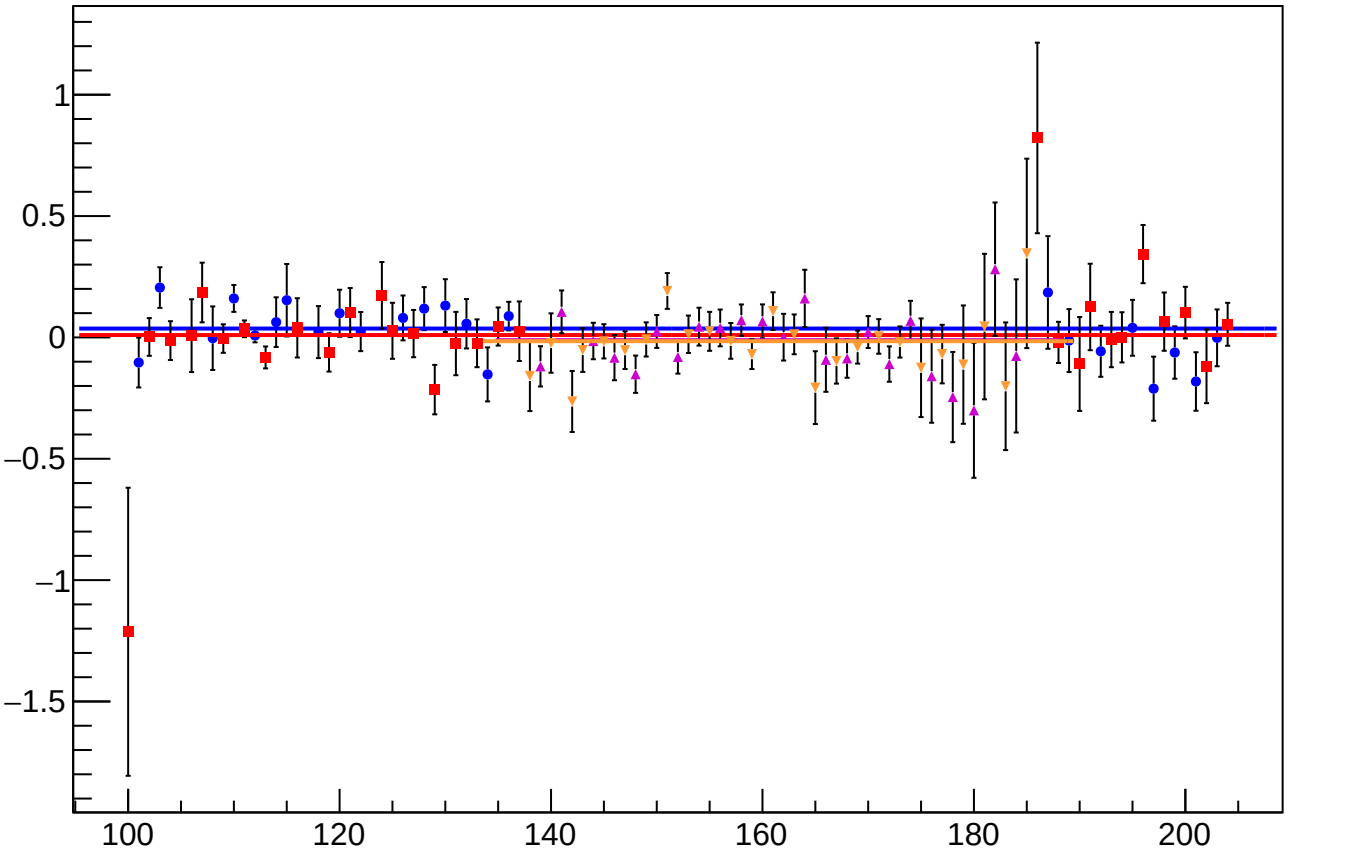
Right Out: 0.002+/-0.000 χ^2/NDF: 11713863.3/29

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 16370782.1/48

All: 0.002+/-0.000 χ^2/NDF: 36630843.4/101

- sign 0.002+/-0.000 χ^2/NDF: 20240375.1/52



Right In: 0.037+/-0.016 χ^2/NDF: 27.8/23

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

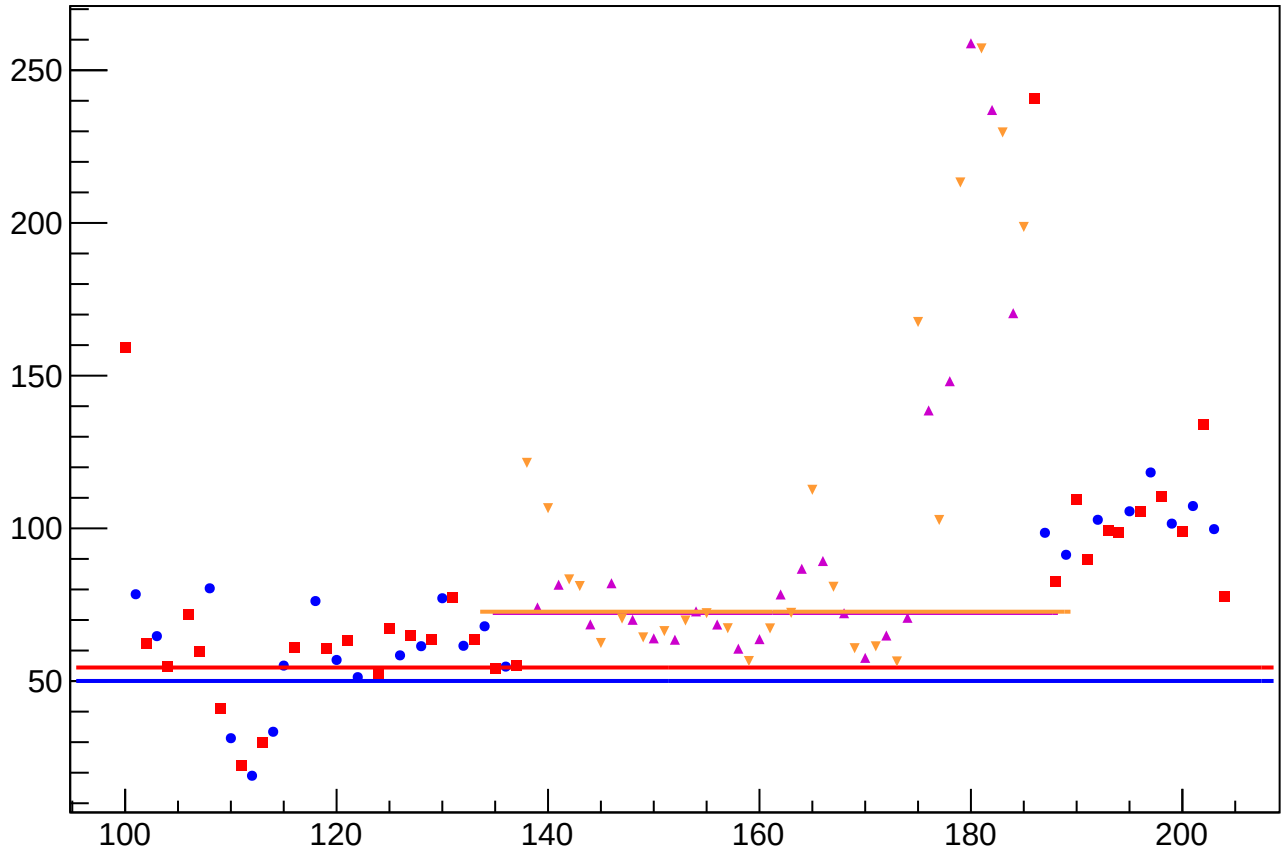
Right Out: 0.010+/-0.016 χ^2/NDF: 34.5/29

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.013+/-0.012 χ^2/NDF: 54.0/48

All: 0.007+/-0.009 χ^2/NDF: 113.2/101

- sign 0.001+/-0.012 χ^2/NDF: 58.6/52



Right In: 50.039+/-0.012 χ^2/NDF: 6493087.5/23

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

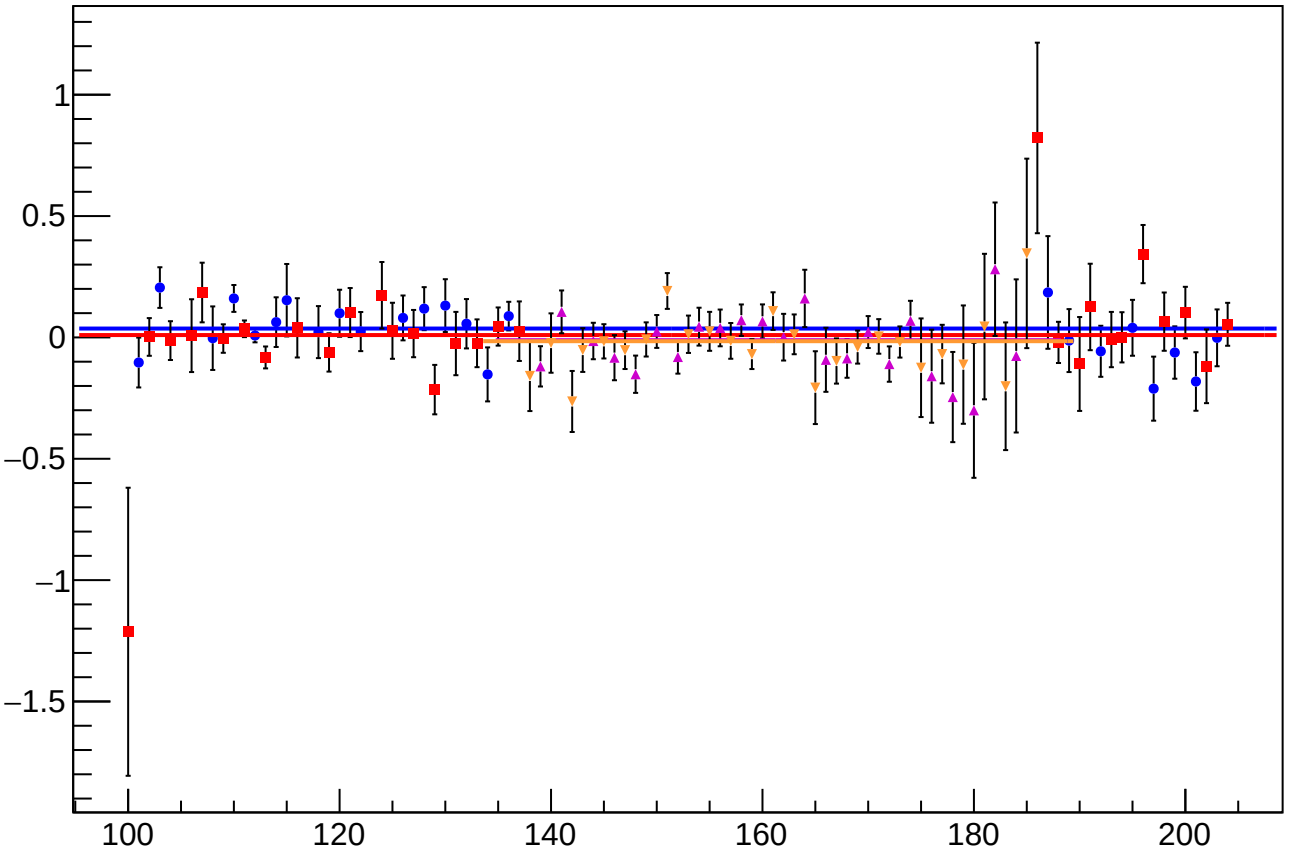
Right Out: 54.446+/-0.011 χ^2/NDF: 6174754.6/29

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 60.383+/-0.009 χ^2/NDF: 12187933.2/48

All: 61.311+/-0.006 χ^2/NDF: 22255203.6/101

- sign 62.227+/-0.009 χ^2/NDF: 10044031.1/52



Right In: 0.037+/-0.016 χ^2/NDF: 27.8/23

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

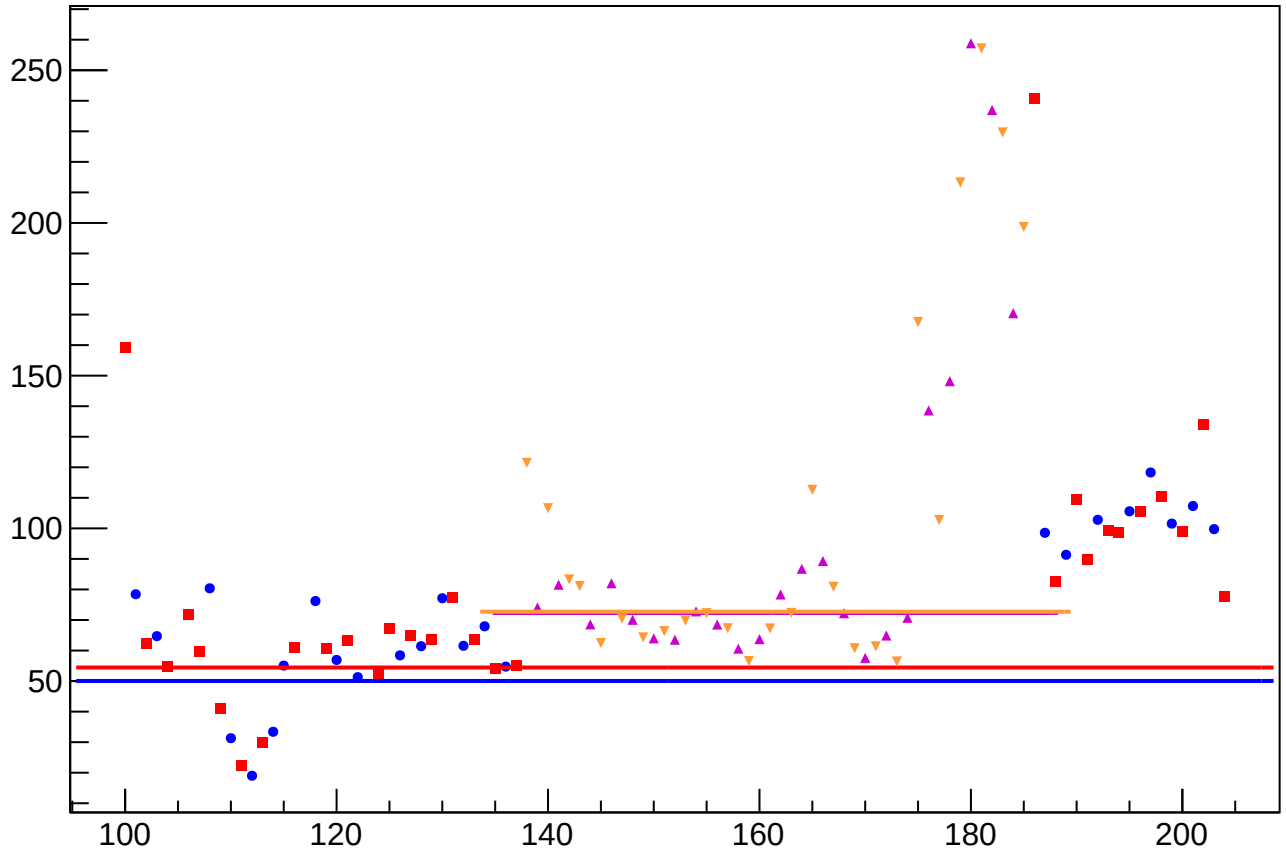
Right Out: 0.010+/-0.016 χ^2/NDF: 34.5/29

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.013+/-0.012 χ^2/NDF: 54.0/48

All: 0.007+/-0.009 χ^2/NDF: 113.2/101

- sign 0.001+/-0.012 χ^2/NDF: 58.6/52



Right In: 50.039+/-0.012 χ^2/NDF: 6493087.5/23

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

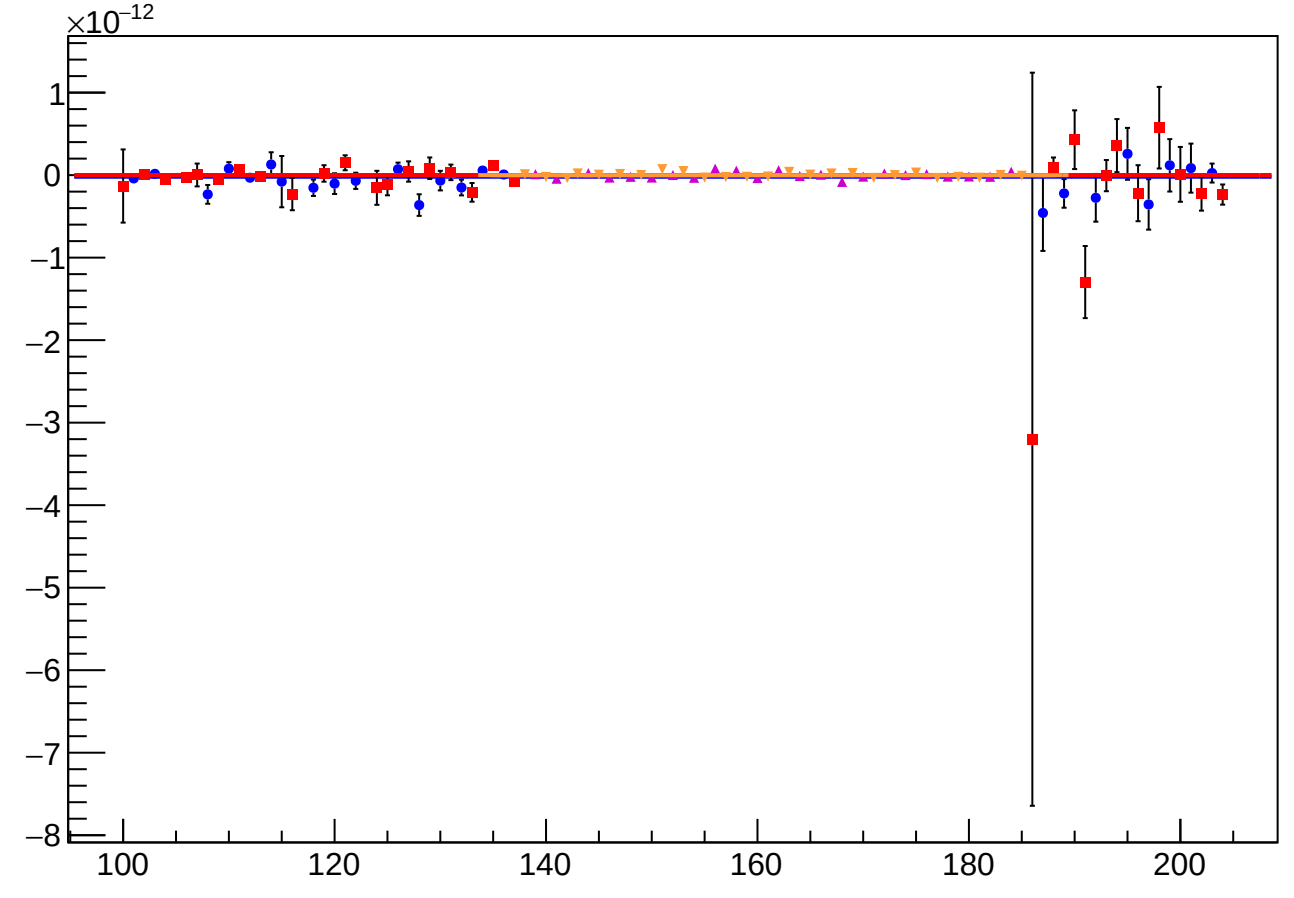
Right Out: 54.446+/-0.011 χ^2/NDF: 6174754.6/29

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 60.383+/-0.009 χ^2/NDF: 12187933.2/48

All: 61.311+/-0.006 χ^2/NDF: 22255203.6/101

- sign 62.227+/-0.009 χ^2/NDF: 10044031.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

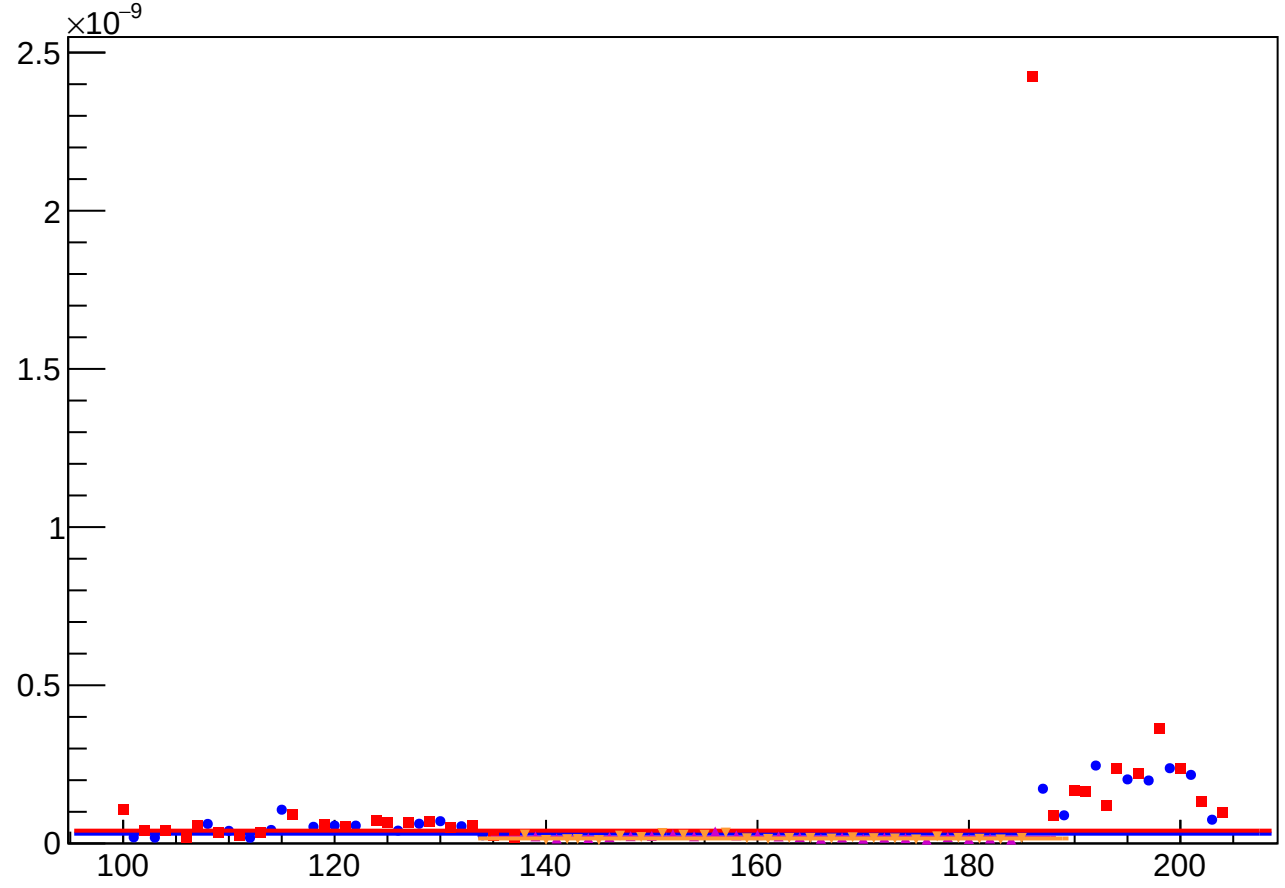
Right Out: 0.000+/-0.000 χ^2/NDF: 42.8/29

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.0/48

All: -0.000+/-0.000 χ^2/NDF: 139.4/101

- sign -0.000+/-0.000 χ^2/NDF: 81.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 6563430.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7281716.9/29

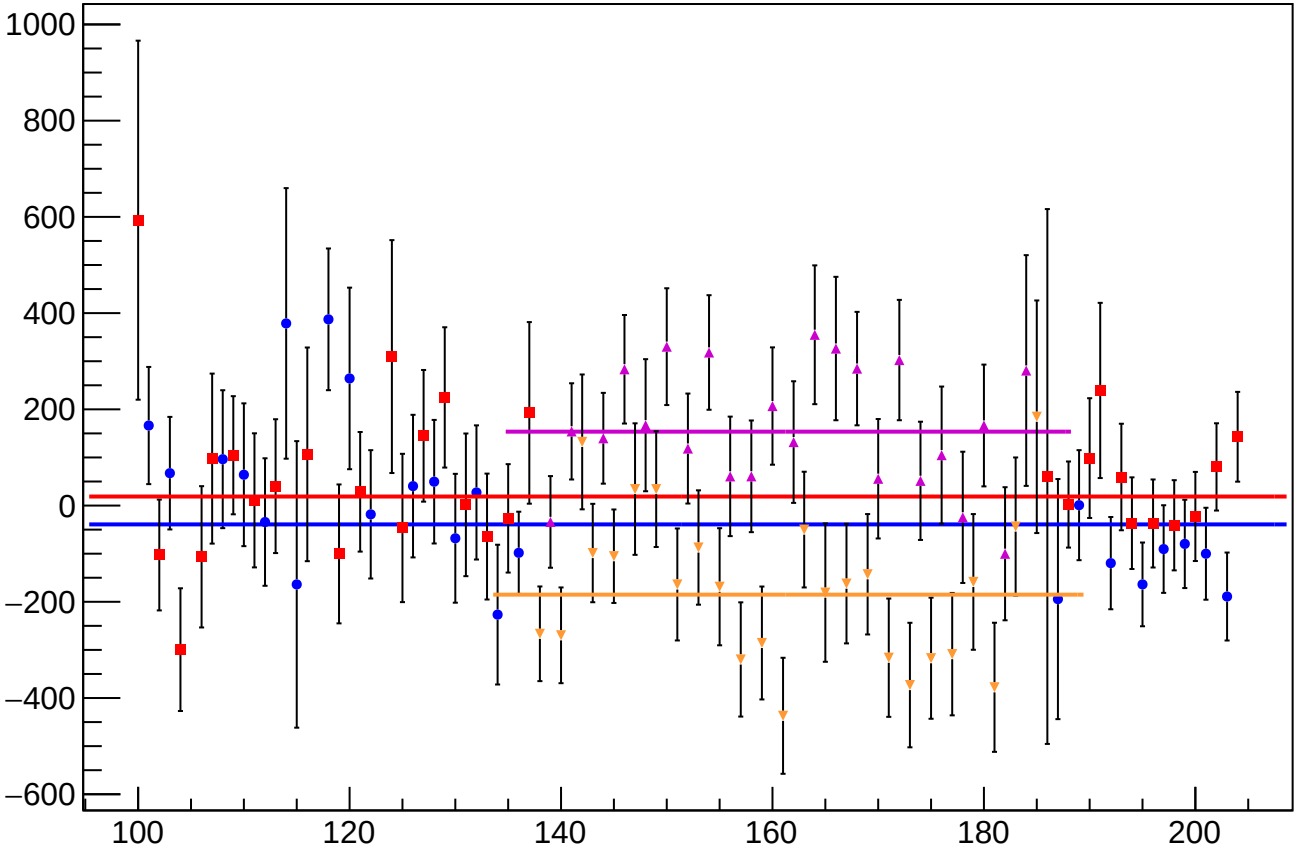
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10935176.4/48

All: 0.000+/-0.000 χ^2/NDF: 23676568.2/101

- sign 0.000+/-0.000 χ^2/NDF: 12333017.4/52

reg_asym_sam_15_dd_mean vs Slug



Right In: -39.144+/-24.652 χ^2/NDF: 28.5/23

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 18.787+/-22.963 χ^2/NDF: 23.5/29

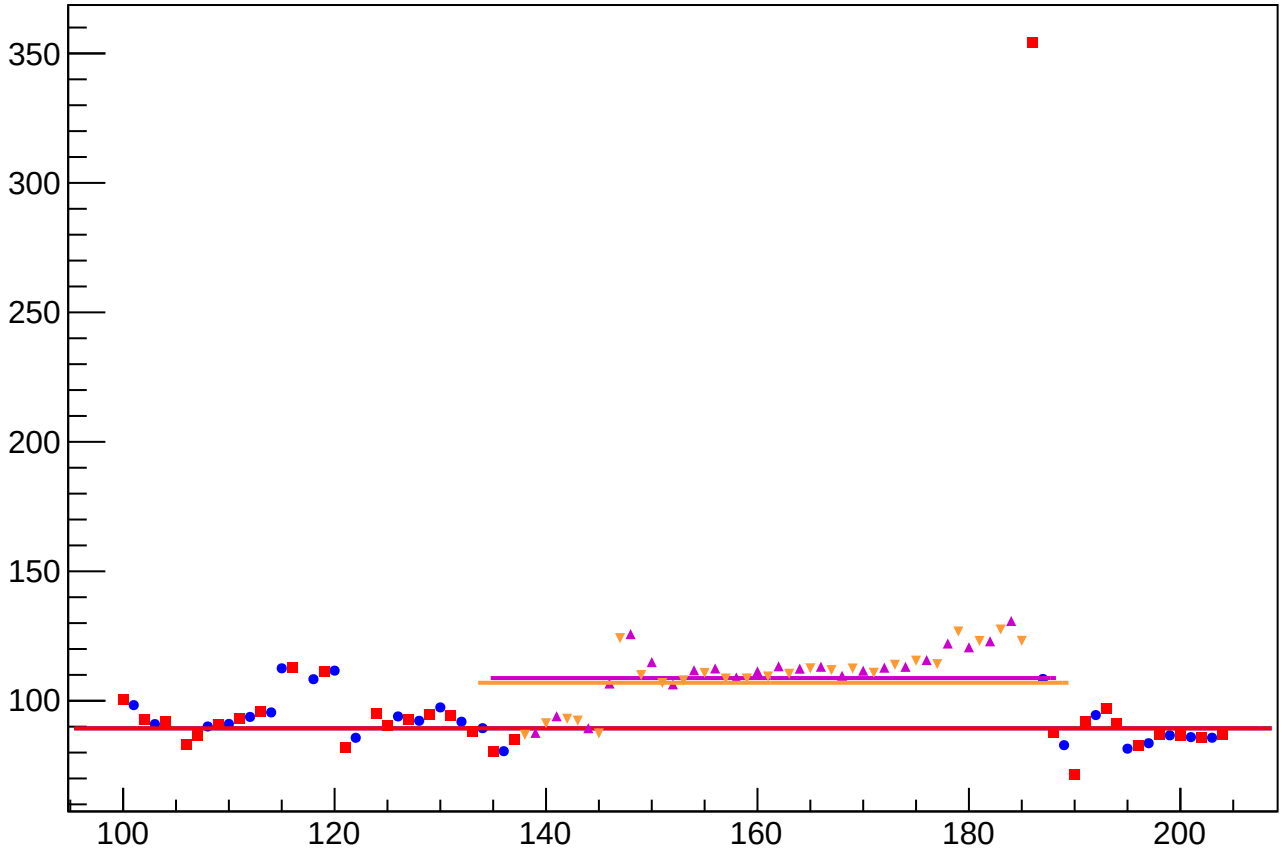
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -112.738+/-17.361 χ^2/NDF: 79.2/48

All: -15.246+/-12.174 χ^2/NDF: 203.7/101

- sign 79.069+/-17.075 χ^2/NDF: 62.4/52

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.355+/-0.017 χ^2/NDF: 177184.0/23

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 89.359+/-0.016 χ^2/NDF: 636775.9/29

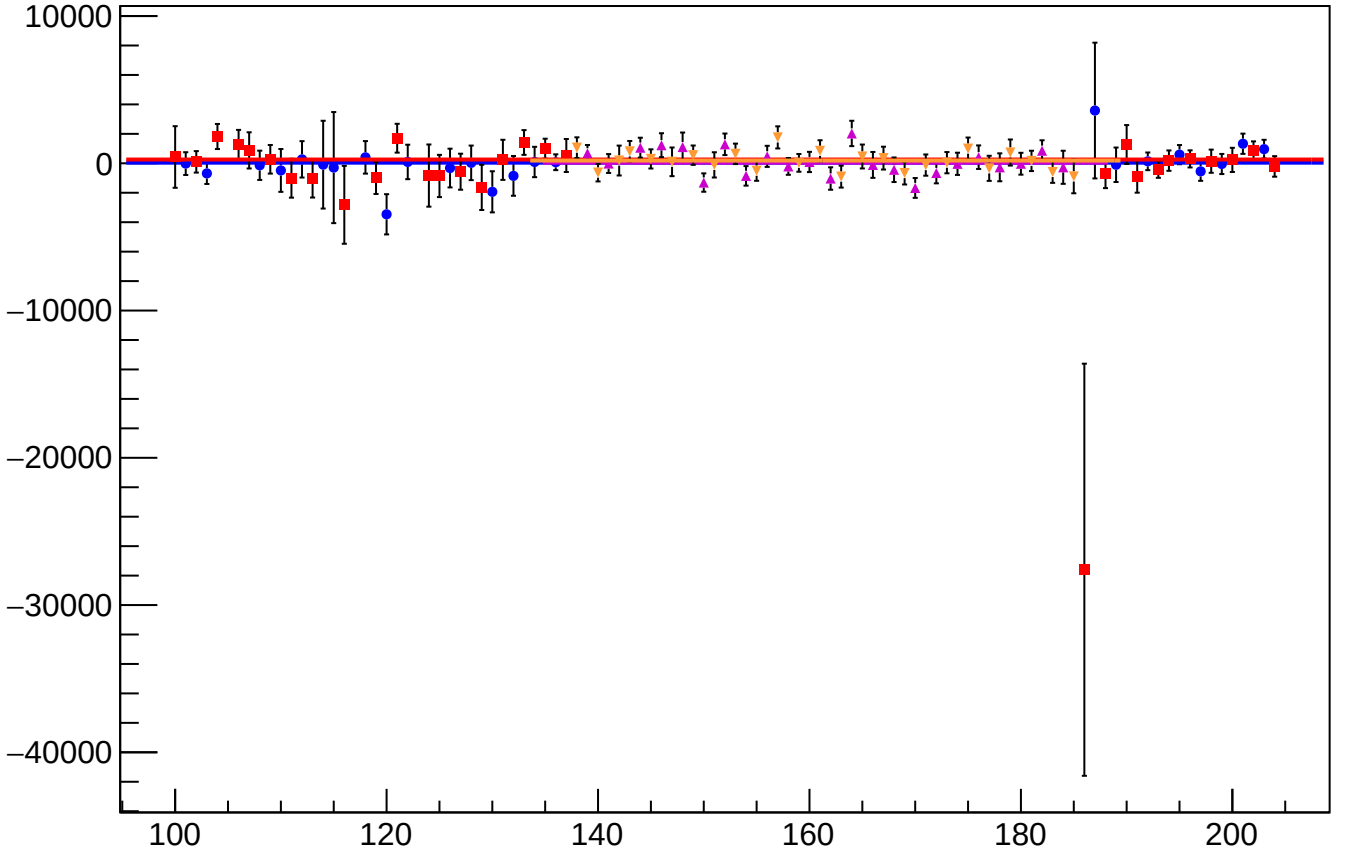
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 98.226+/-0.012 χ^2/NDF: 1155265.0/48

All: 98.132+/-0.009 χ^2/NDF: 2790181.0/101

- sign 98.042+/-0.012 χ^2/NDF: 1634801.6/52

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: 43.060+/-182.809 χ^2/NDF: 18.3/23

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 256.168+/-170.434 χ^2/NDF: 26.9/29

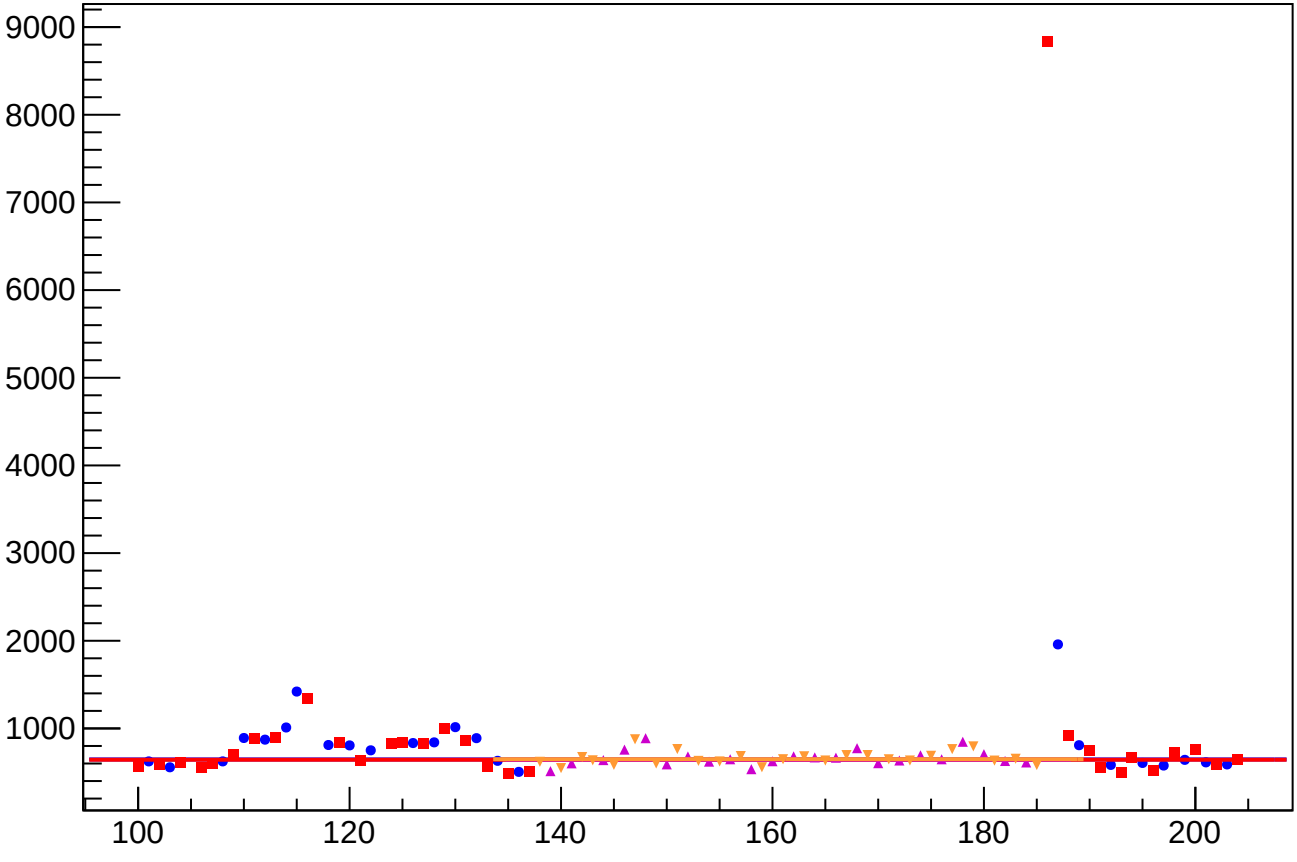
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 129.302+/-115.412 χ^2/NDF: 37.7/48

All: 133.530+/-80.911 χ^2/NDF: 99.2/101

- sign 137.616+/-113.464 χ^2/NDF: 61.5/52

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 646.527+/-0.129 χ^2/NDF: 1073995.9/23

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 643.138+/-0.121 χ^2/NDF: 1966417.8/29

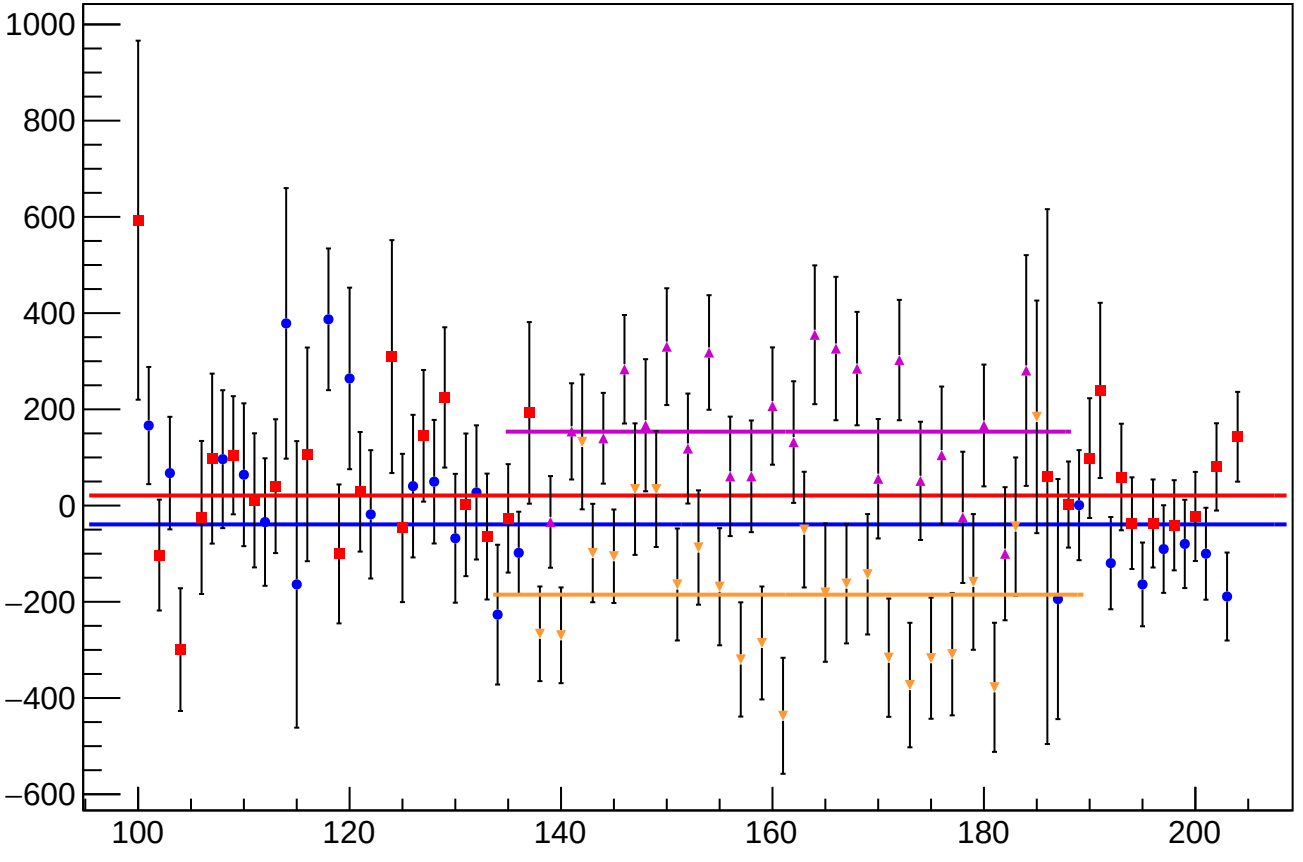
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 648.128+/-0.082 χ^2/NDF: 1492615.7/48

All: 645.855+/-0.057 χ^2/NDF: 4019712.3/101

- sign 643.658+/-0.080 χ^2/NDF: 2525571.2/52

cor_asym_sam_15_dd_mean vs Slug



Right In: -39.138+/-24.652 χ^2/NDF: 28.5/23

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 20.954+/-23.005 χ^2/NDF: 22.8/29

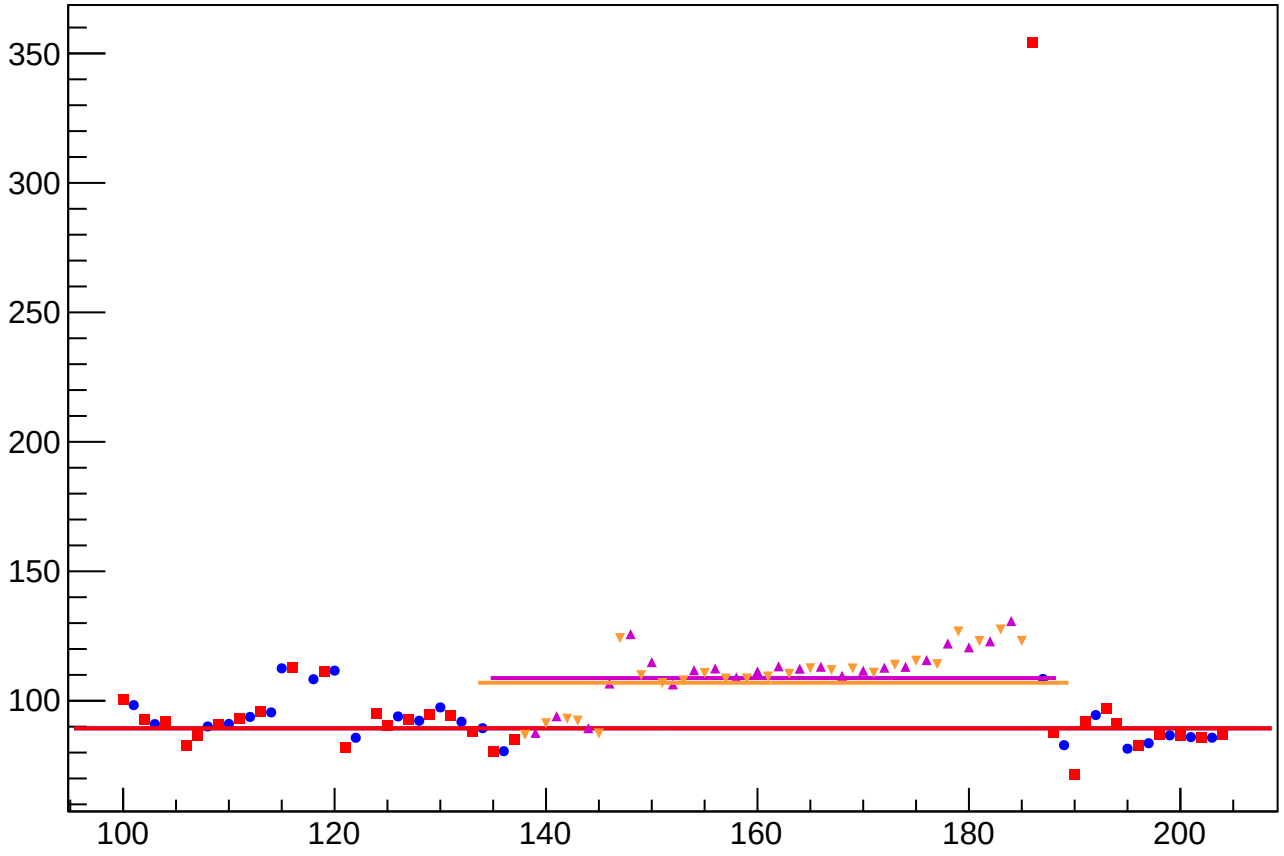
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -112.736+/-17.361 χ^2/NDF: 79.2/48

All: -14.672+/-12.180 χ^2/NDF: 203.3/101

- sign 80.388+/-17.092 χ^2/NDF: 61.3/52

cor_asym_sam_15_dd_rms vs Slug



Right In: 89.355+/-0.017 χ^2/NDF: 177184.0/23

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.370+/-0.016 χ^2/NDF: 636811.9/29

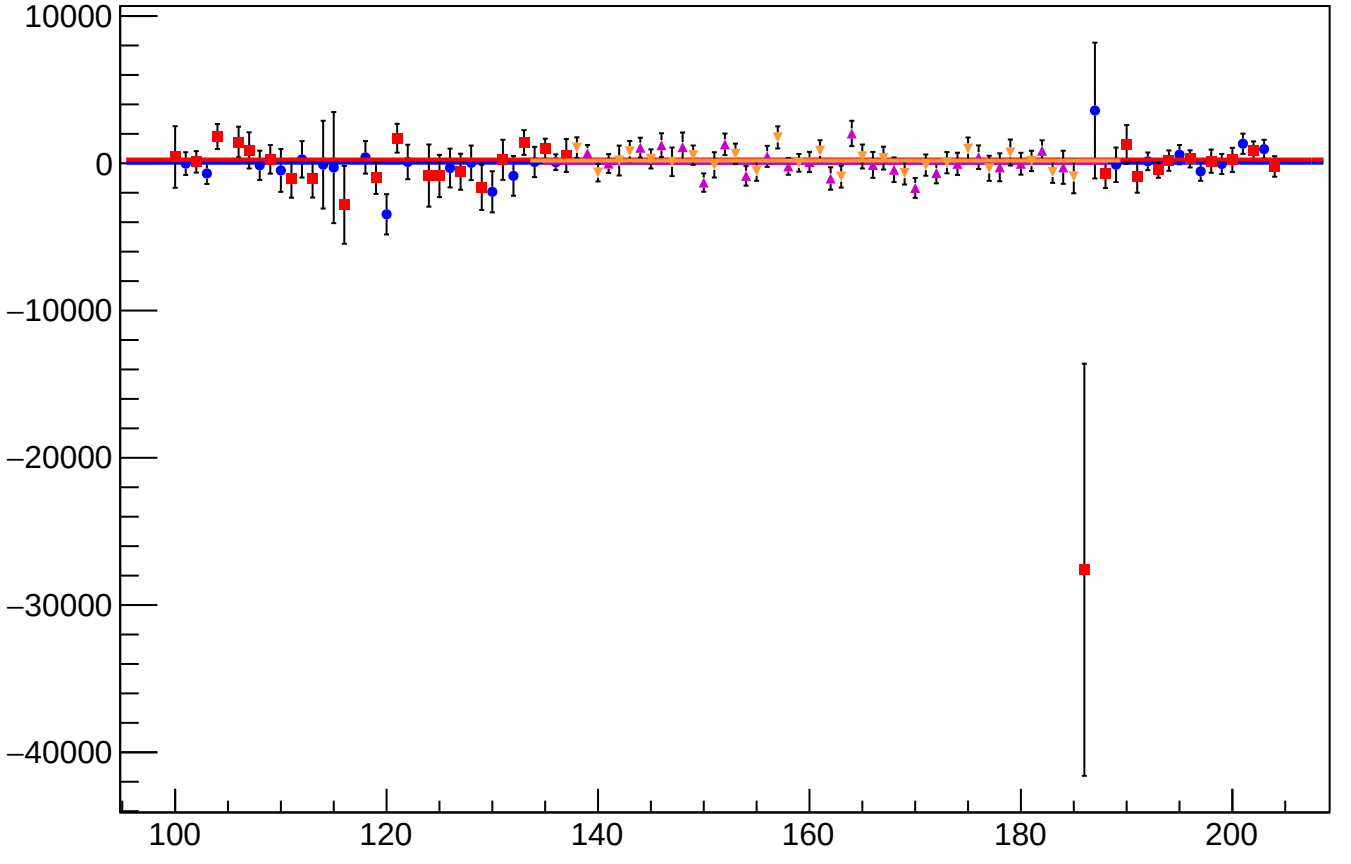
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 98.226+/-0.012 χ^2/NDF: 1155265.0/48

All: 98.144+/-0.009 χ^2/NDF: 2788431.0/101

- sign 98.065+/-0.012 χ^2/NDF: 1633078.9/52

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: 43.061+/-182.809 χ^2/NDF: 18.3/23

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 257.304+/-170.700 χ^2/NDF: 27.1/29

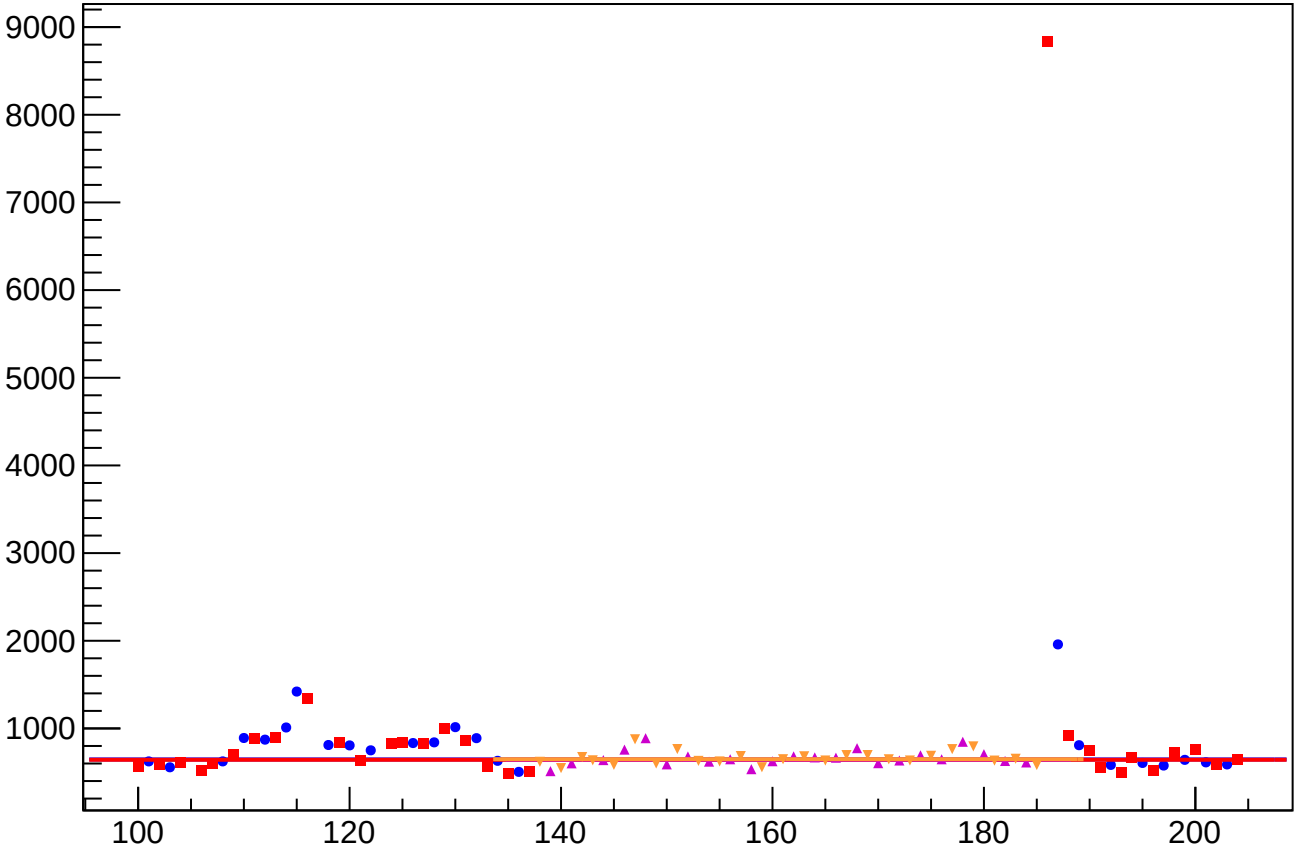
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 129.299+/-115.412 χ^2/NDF: 37.7/48

All: 133.698+/-80.940 χ^2/NDF: 99.5/101

- sign 137.956+/-113.543 χ^2/NDF: 61.7/52

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 646.527+/-0.129 χ^2/NDF: 1073996.0/23

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 642.680+/-0.121 χ^2/NDF: 1975496.4/29

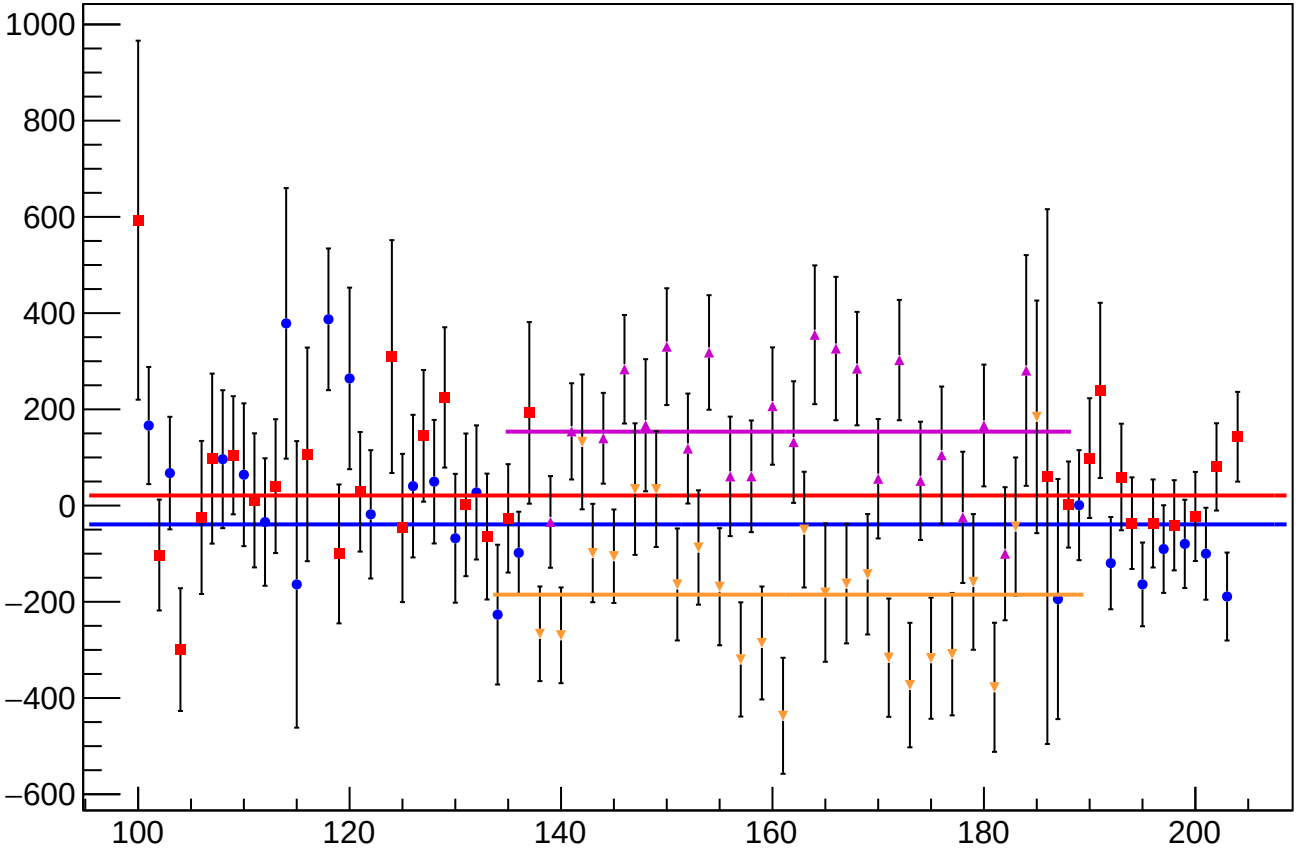
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 648.128+/-0.082 χ^2/NDF: 1492616.5/48

All: 645.754+/-0.057 χ^2/NDF: 4028973.3/101

- sign 643.456+/-0.080 χ^2/NDF: 2534691.6/52

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -39.138+/-24.652 χ^2/NDF: 28.5/23

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 20.954+/-23.005 χ^2/NDF: 22.8/29

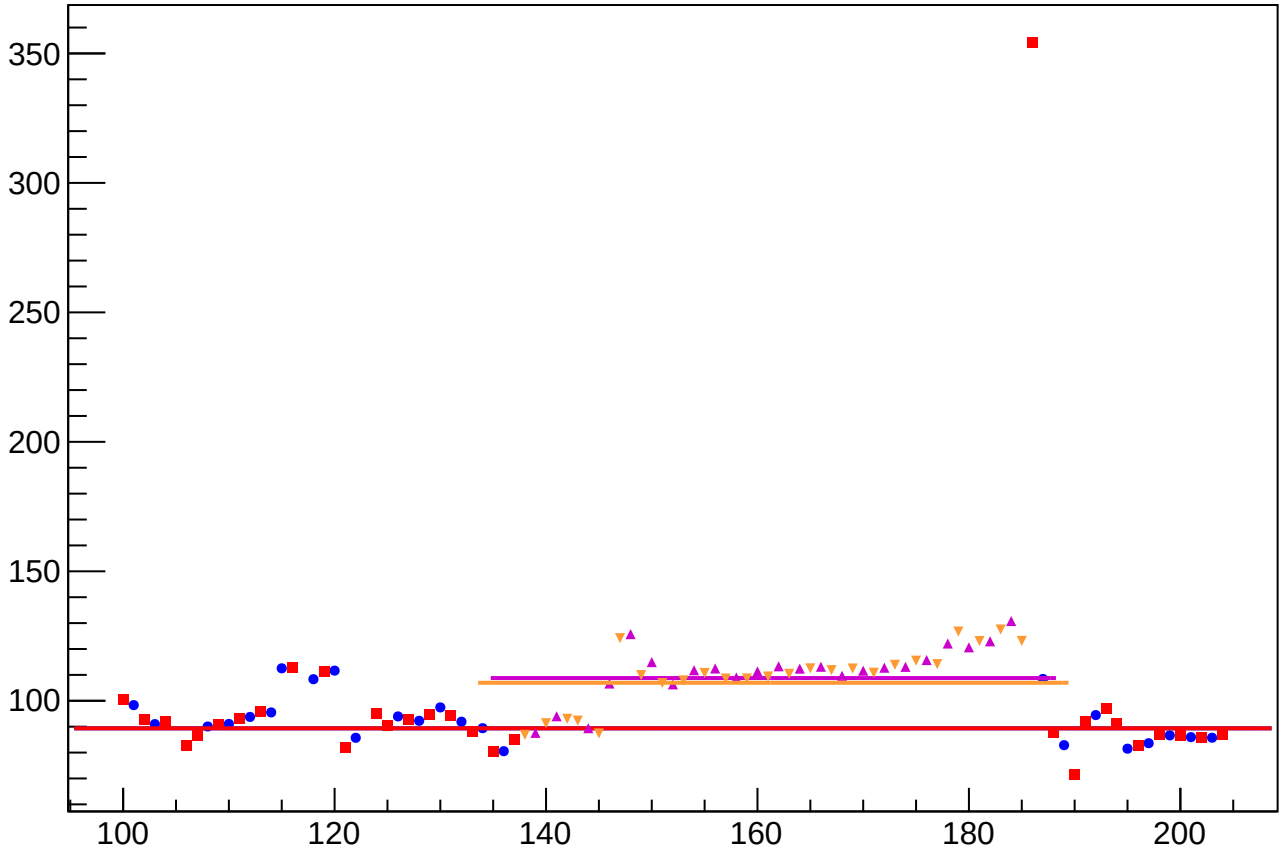
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -112.736+/-17.361 χ^2/NDF: 79.2/48

All: -14.672+/-12.180 χ^2/NDF: 203.3/101

- sign 80.388+/-17.092 χ^2/NDF: 61.3/52

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 89.355+/-0.017 χ^2/NDF: 177184.0/23

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.370+/-0.016 χ^2/NDF: 636811.9/29

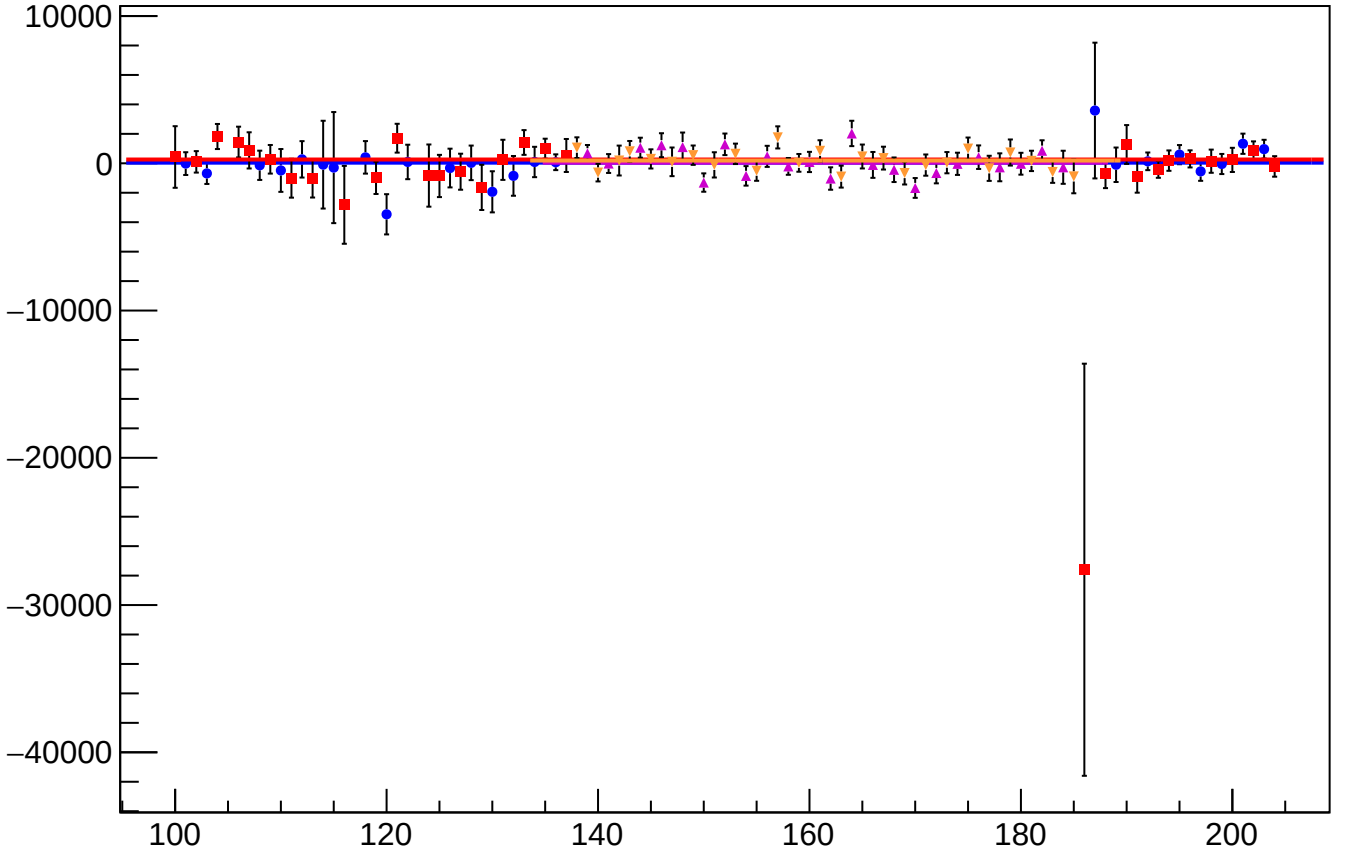
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 98.226+/-0.012 χ^2/NDF: 1155265.0/48

All: 98.144+/-0.009 χ^2/NDF: 2788431.0/101

- sign 98.065+/-0.012 χ^2/NDF: 1633078.9/52

asym_sam_15_dd_eigen_cor_correction_mean vs Slug



Right In: 43.061+/-182.809 χ^2/NDF: 18.3/23

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 257.304+/-170.700 χ^2/NDF: 27.1/29

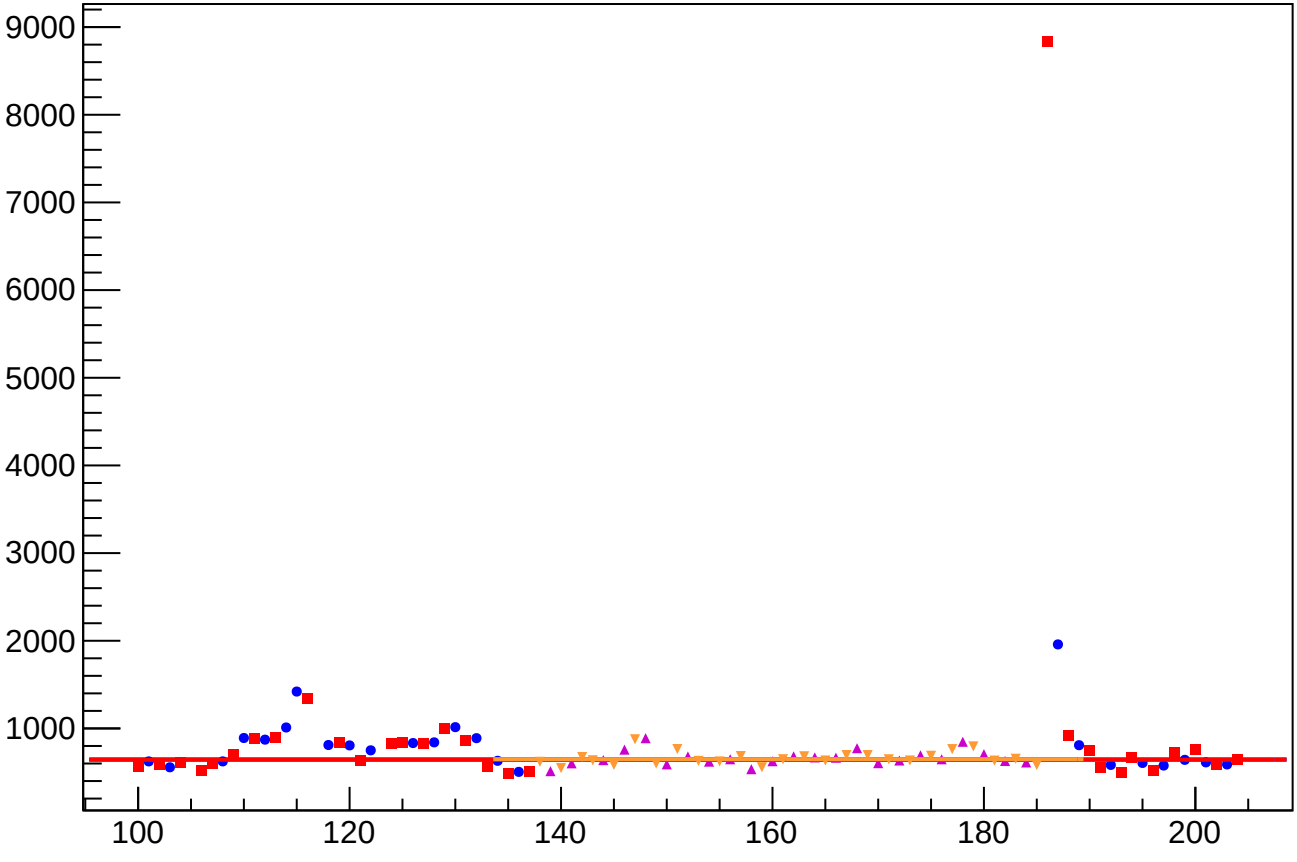
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 129.299+/-115.412 χ^2/NDF: 37.7/48

All: 133.698+/-80.940 χ^2/NDF: 99.5/101

- sign 137.956+/-113.543 χ^2/NDF: 61.7/52

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 646.527+/-0.129 χ^2/NDF: 1073996.0/23

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 642.680+/-0.121 χ^2/NDF: 1975496.4/29

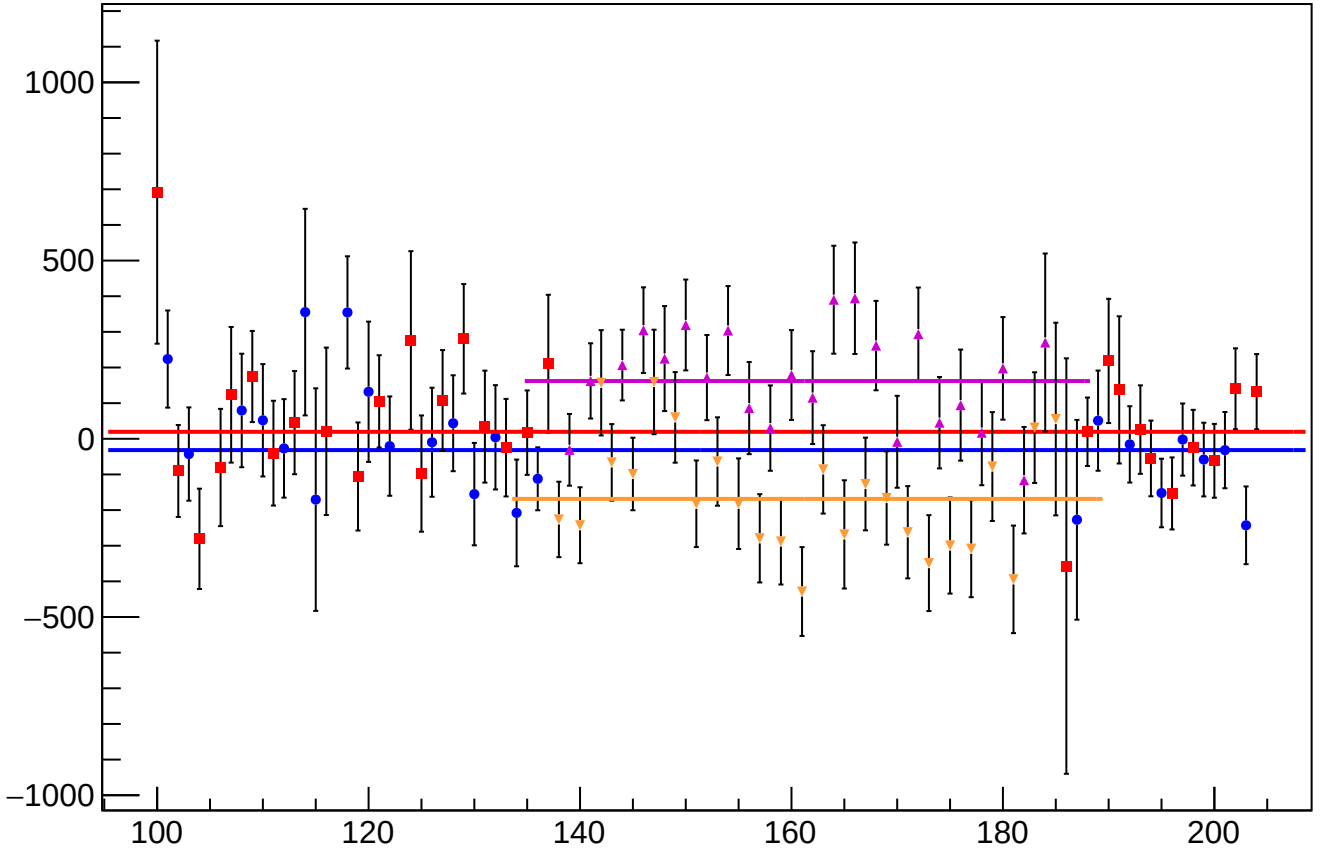
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 648.128+/-0.082 χ^2/NDF: 1492616.5/48

All: 645.754+/-0.057 χ^2/NDF: 4028973.3/101

- sign 643.456+/-0.080 χ^2/NDF: 2534691.6/52

dit_asym_sam_15_dd_mean vs Slug



Right In: -31.719+/-27.003 χ^2/NDF: 22.7/23

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 19.585+/-25.285 χ^2/NDF: 25.7/29

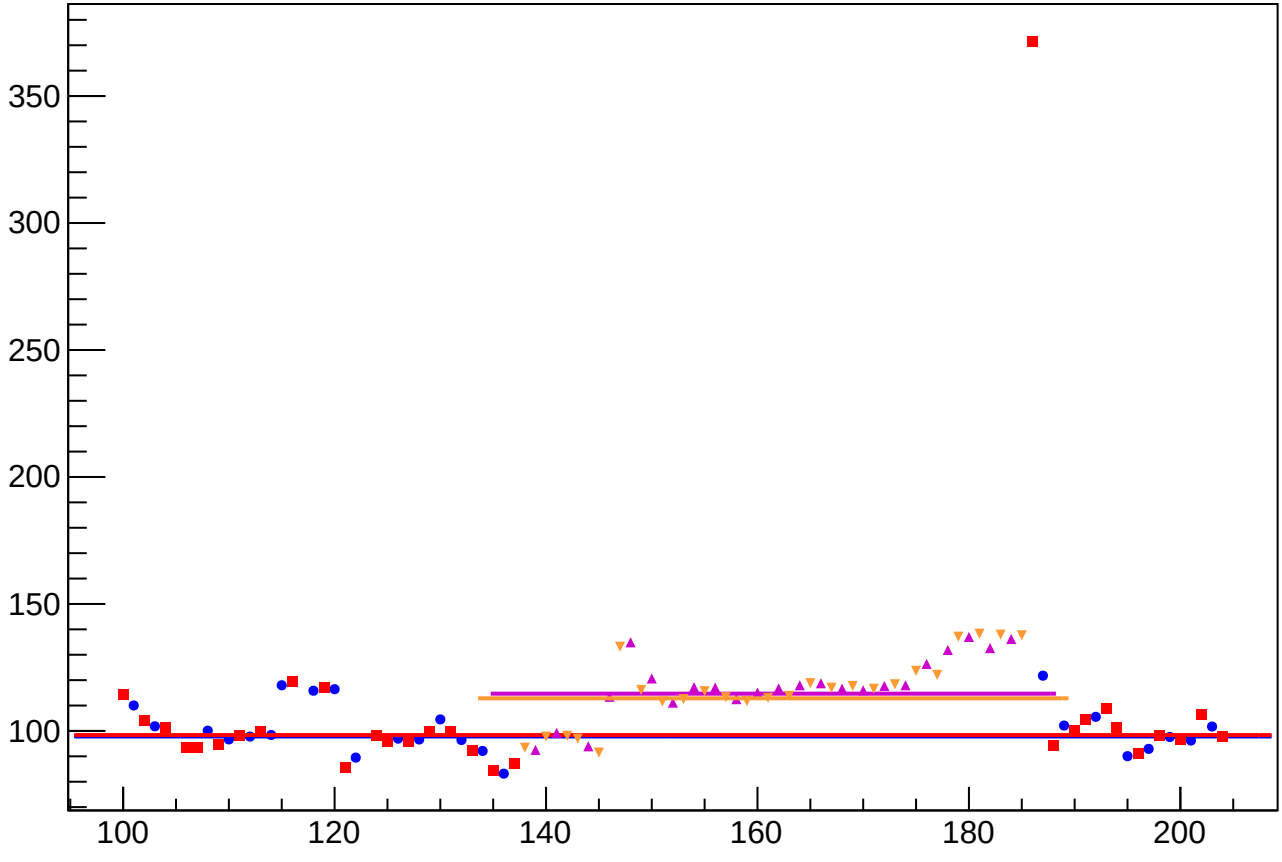
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -103.244+/-18.662 χ^2/NDF: 68.5/48

All: -7.346+/-13.116 χ^2/NDF: 184.8/101

- sign 86.278+/-18.439 χ^2/NDF: 64.1/52

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.822+/-0.019 χ^2/NDF: 188191.7/23

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 98.374+/-0.018 χ^2/NDF: 599572.4/29

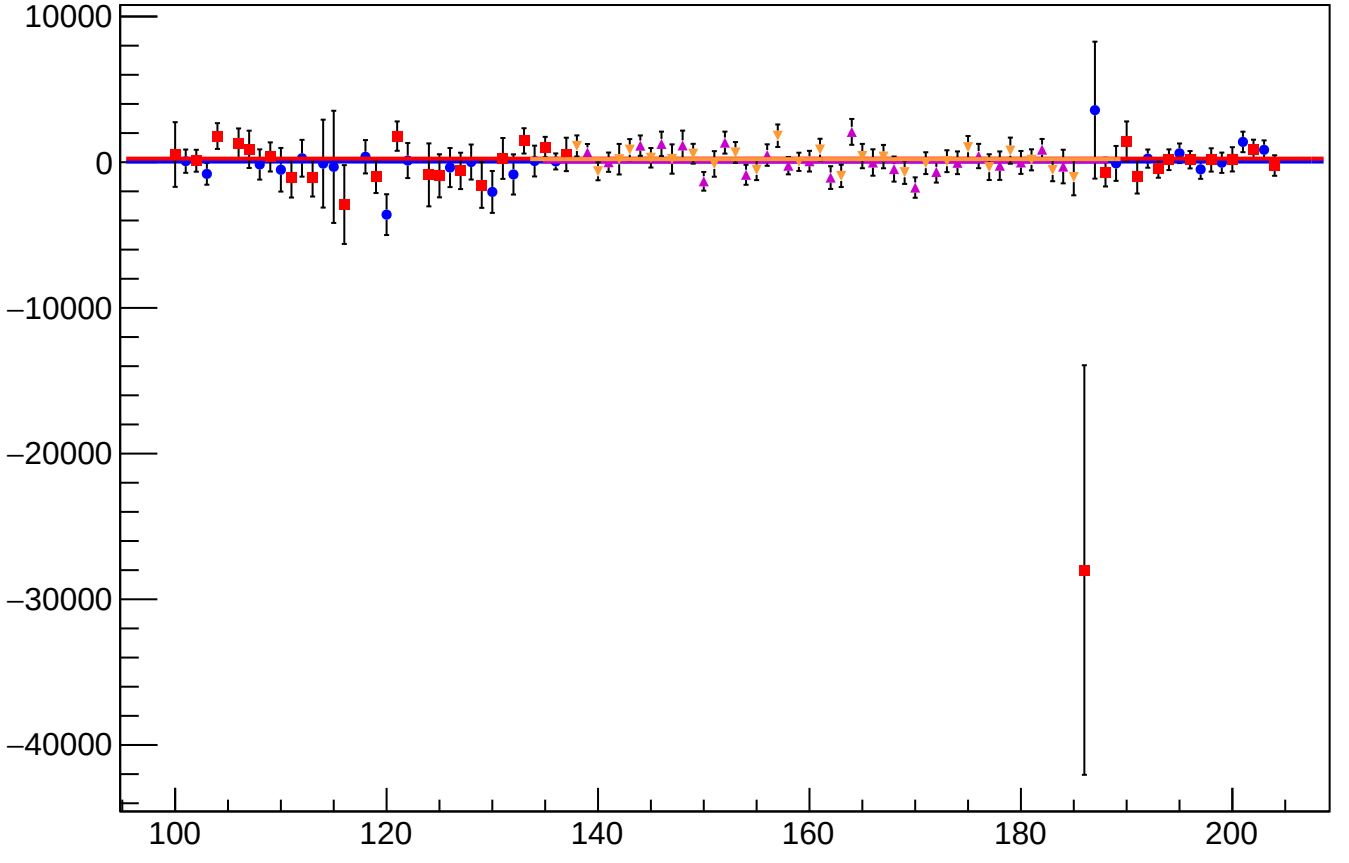
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 105.672+/-0.013 χ^2/NDF: 1024045.3/48

All: 105.842+/-0.009 χ^2/NDF: 2423173.0/101

- sign 106.007+/-0.013 χ^2/NDF: 1398801.8/52

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: 45.507+/-187.987 χ^2/NDF: 18.3/23

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 245.446+/-175.889 χ^2/NDF: 26.8/29

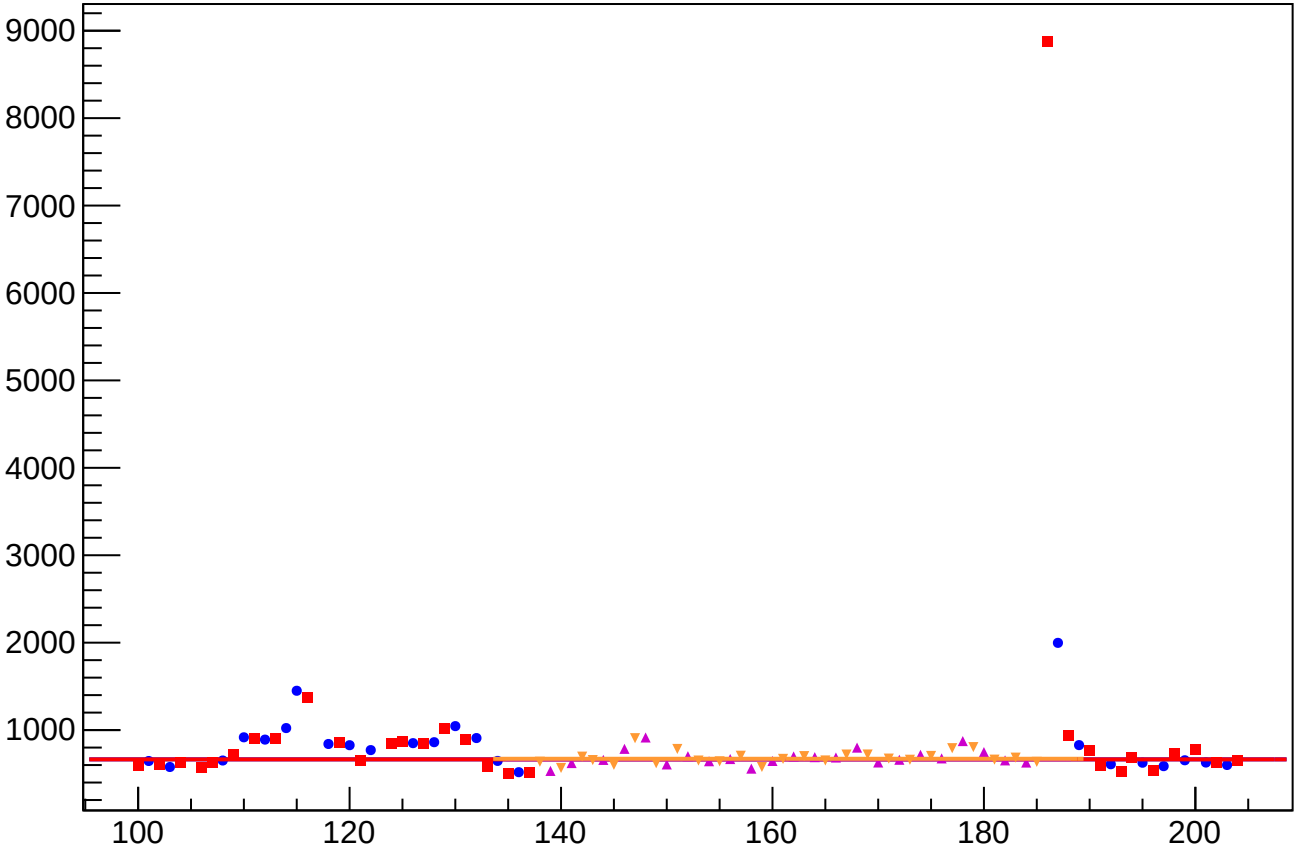
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 143.607+/-119.095 χ^2/NDF: 37.6/48

All: 140.312+/-83.581 χ^2/NDF: 98.4/101

- sign 137.114+/-117.328 χ^2/NDF: 60.8/52

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 665.220+/-0.133 χ^2/NDF: 1061811.7/23

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 664.869+/-0.124 χ^2/NDF: 1888543.2/29

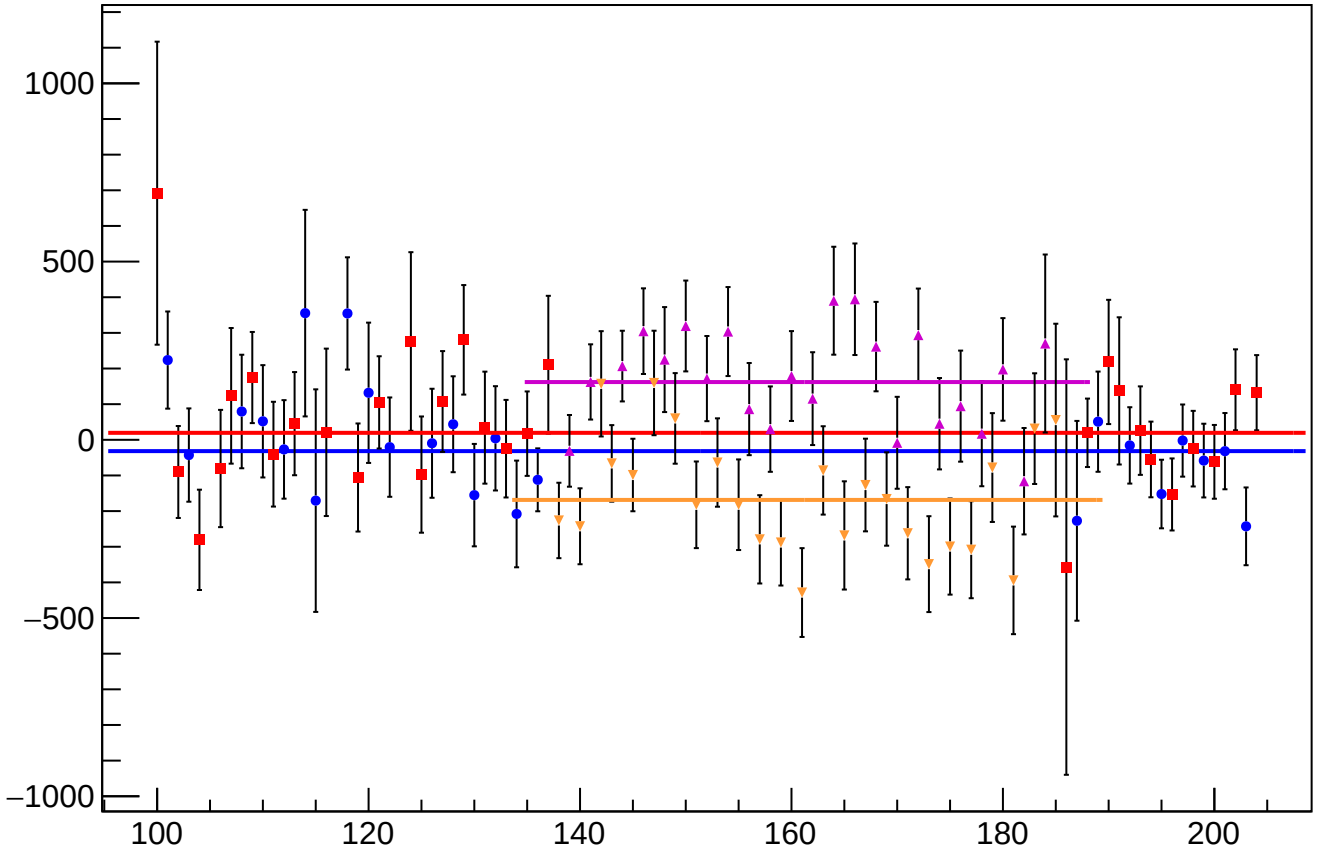
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 669.188+/-0.084 χ^2/NDF: 1462460.0/48

All: 667.693+/-0.059 χ^2/NDF: 3898747.8/101

- sign 666.241+/-0.083 χ^2/NDF: 2435666.2/52

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -31.719+/-27.003 χ^2/NDF: 22.7/23

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 19.586+/-25.285 χ^2/NDF: 25.7/29

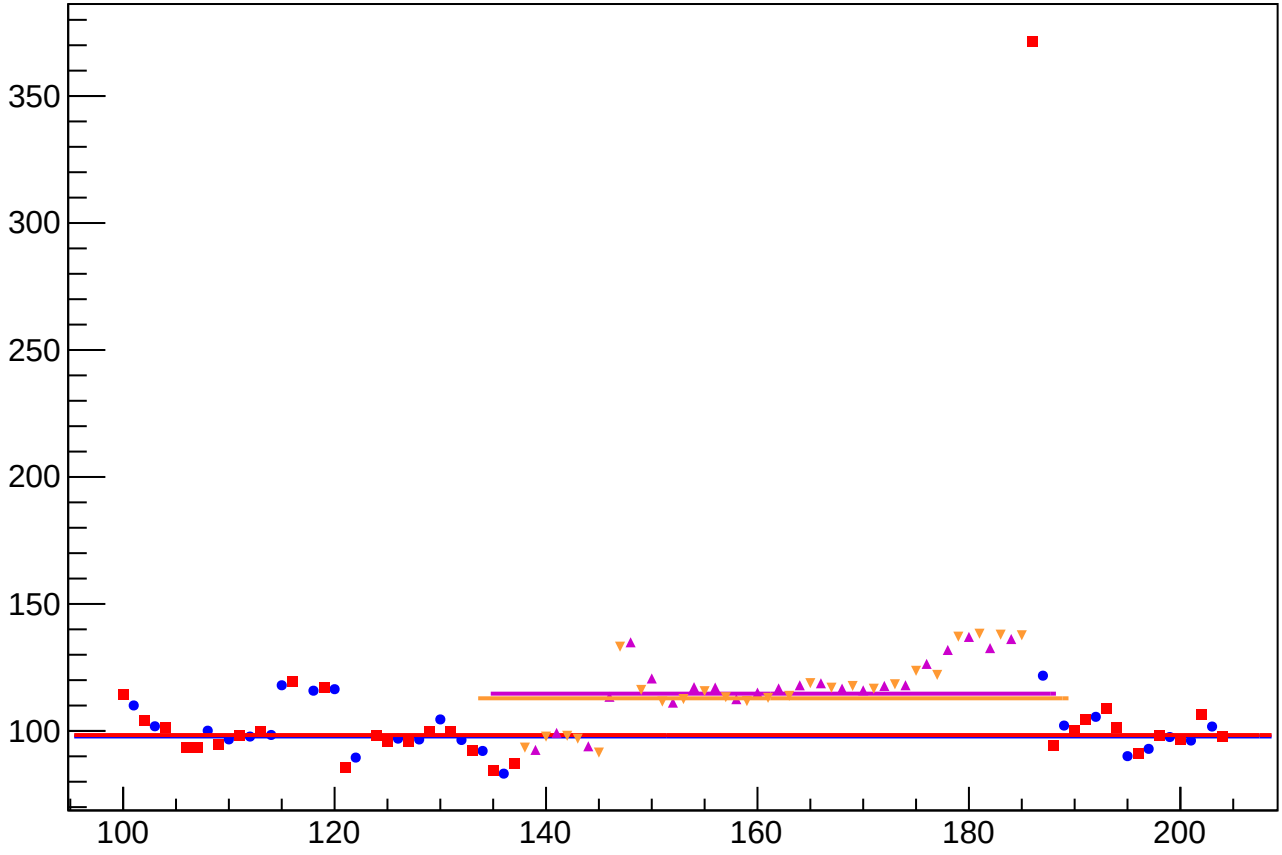
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -103.244+/-18.662 χ^2/NDF: 68.5/48

All: -7.346+/-13.116 χ^2/NDF: 184.8/101

- sign 86.278+/-18.439 χ^2/NDF: 64.1/52

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.821+/-0.019 χ^2/NDF: 188195.1/23

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

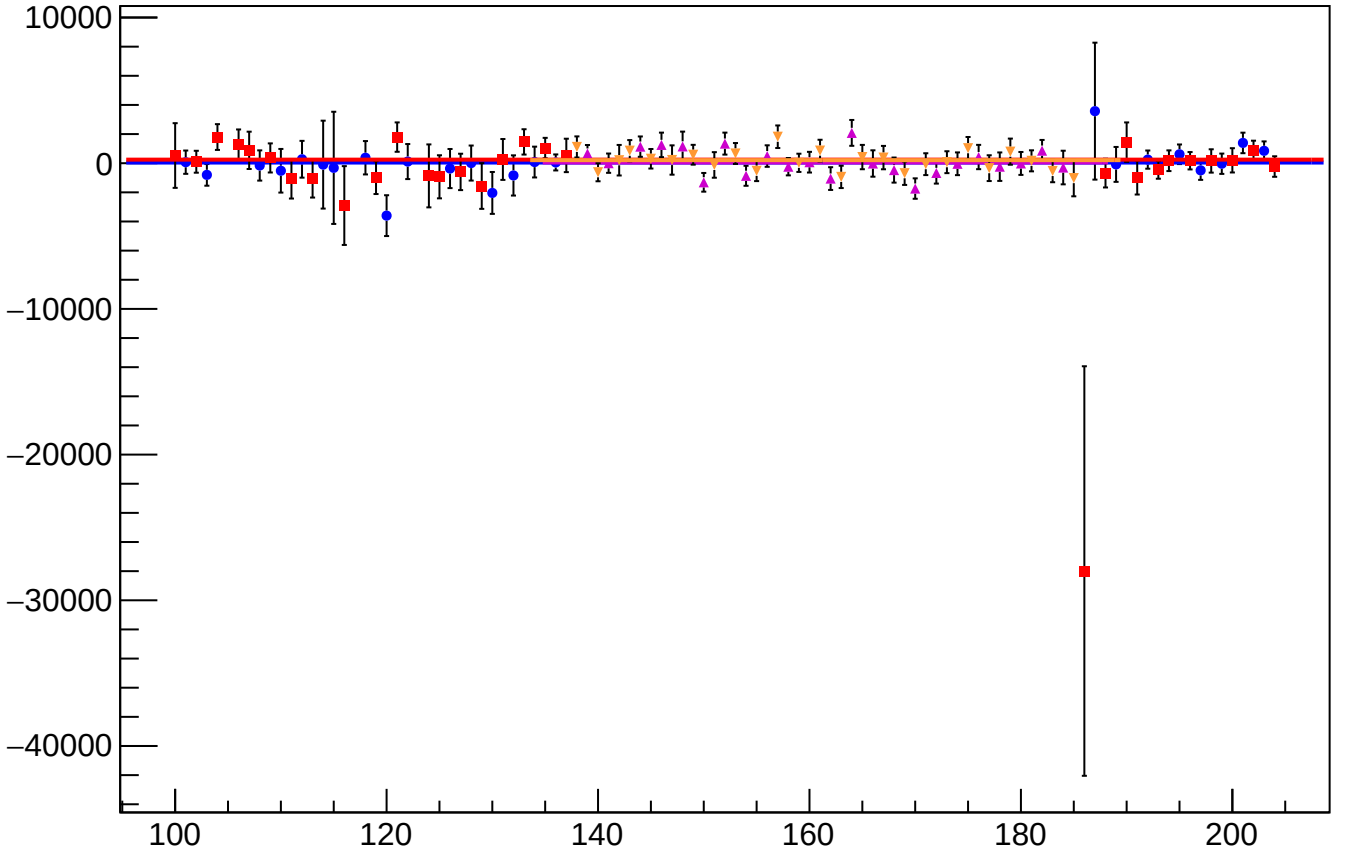
Right Out: 98.374+/-0.018 χ^2/NDF: 599572.2/29

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 105.672+/-0.013 χ^2/NDF: 1024049.2/48

All: 105.842+/-0.009 χ^2/NDF: 2423183.0/101

- sign 106.007+/-0.013 χ^2/NDF: 1398807.8/52



Right In: 45.507+/-187.987 χ^2/NDF: 18.3/23

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

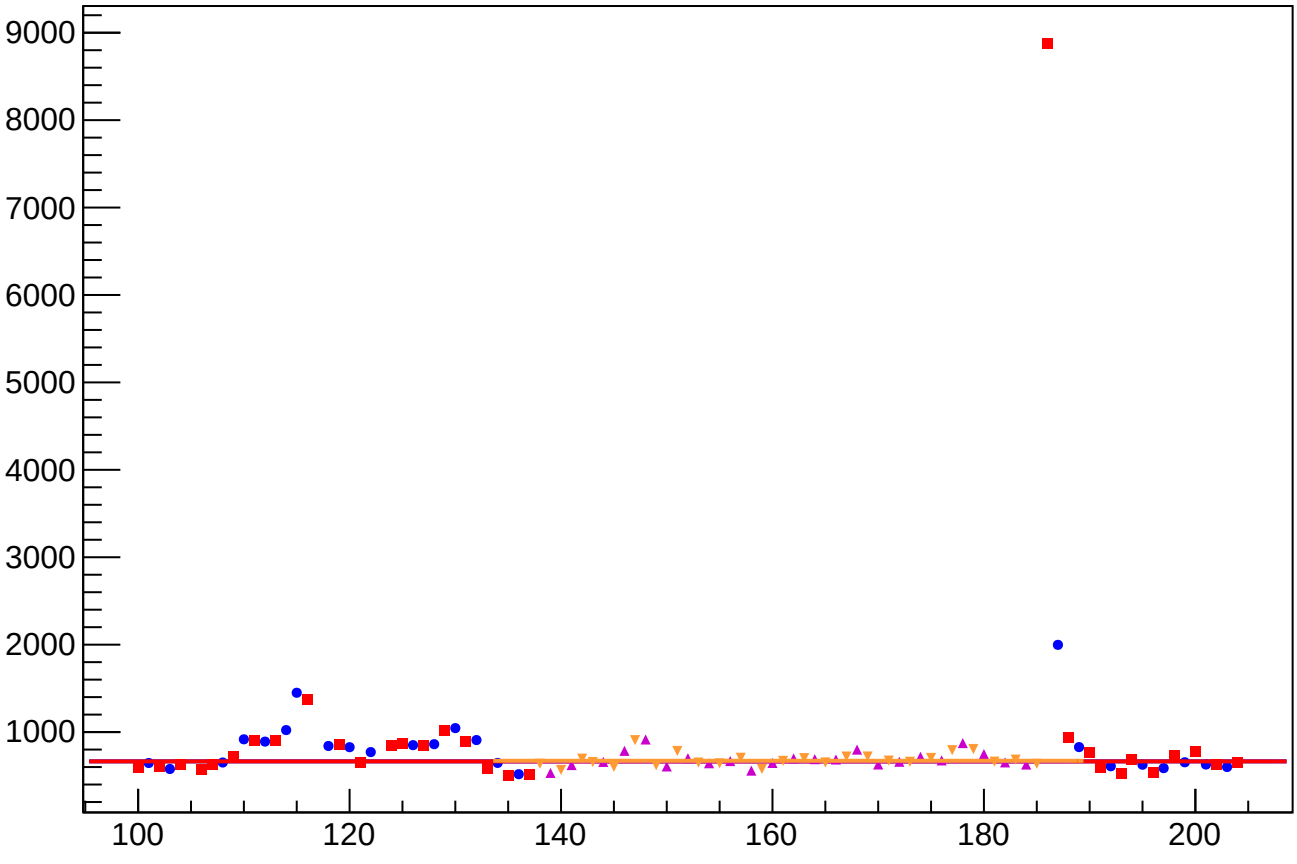
Right Out: 245.447+/-175.889 χ^2/NDF: 26.8/29

Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 143.606+/-119.095 χ^2/NDF: 37.6/48

All: 140.312+/-83.581 χ^2/NDF: 98.4/101

- sign 137.115+/-117.328 χ^2/NDF: 60.8/52



Right In: 665.220+/-0.133 χ^2/NDF: 1061812.2/23

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 664.868+/-0.124 χ^2/NDF: 1888547.8/29

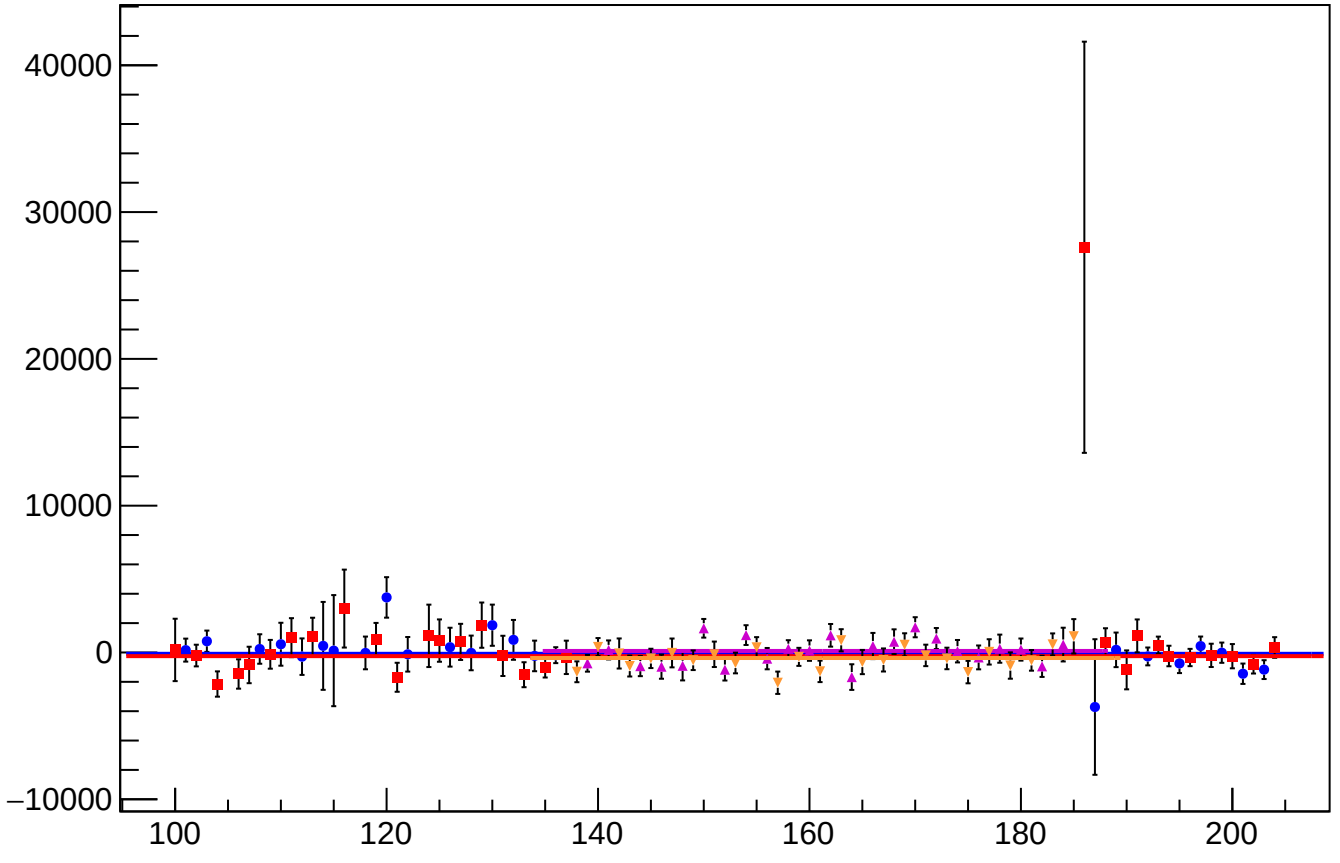
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 669.188+/-0.084 χ^2/NDF: 1462461.4/48

All: 667.693+/-0.059 χ^2/NDF: 3898756.2/101

- sign 666.241+/-0.083 χ^2/NDF: 2435673.2/52

asym_sam_15_dd_mean vs Slug



Right In: -90.722+/-184.720 χ^2/NDF: 21.3/23

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -250.434+/-172.299 χ^2/NDF: 30.2/29

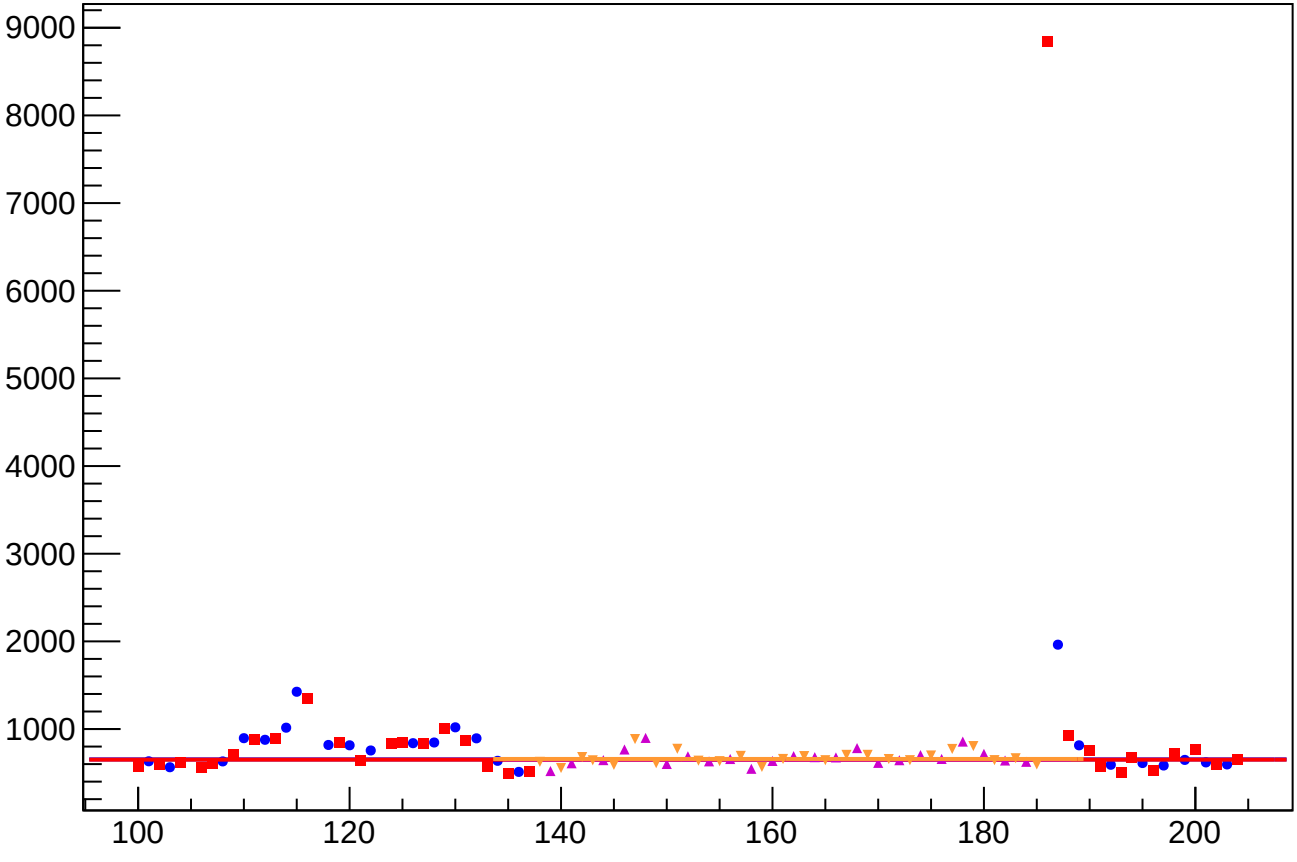
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -262.504+/-116.887 χ^2/NDF: 44.1/48

All: -156.600+/-81.962 χ^2/NDF: 113.8/101

- sign -54.160+/-114.960 χ^2/NDF: 68.1/52

asym_sam_15_dd_rms vs Slug



Right In: 653.715+/-0.131 χ^2/NDF: 1051049.9/23

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

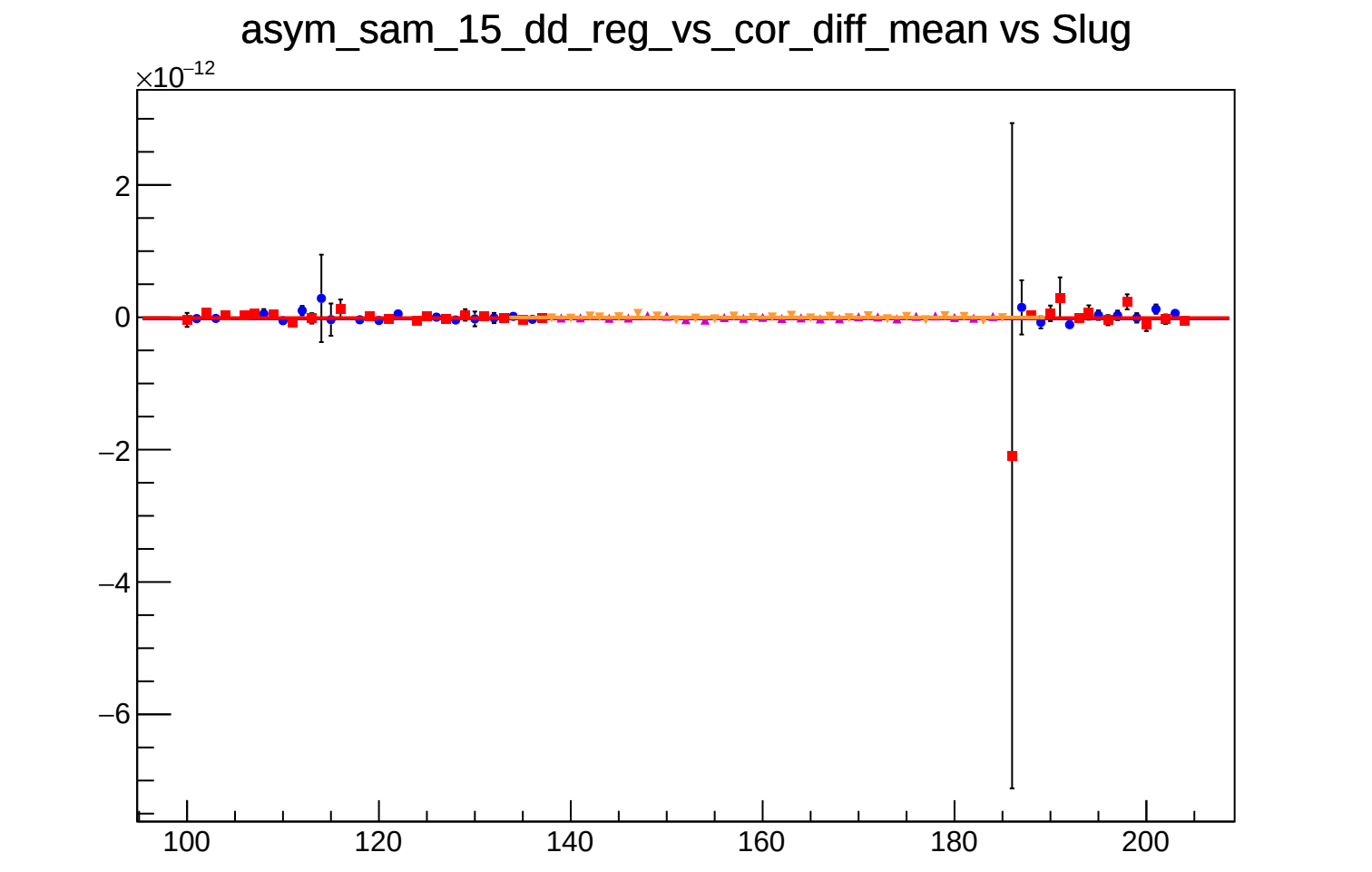
Right Out: 650.776+/-0.122 χ^2/NDF: 1927225.4/29

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 656.687+/-0.083 χ^2/NDF: 1461597.8/48

All: 654.578+/-0.058 χ^2/NDF: 3932559.6/101

- sign 652.537+/-0.081 χ^2/NDF: 2469680.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

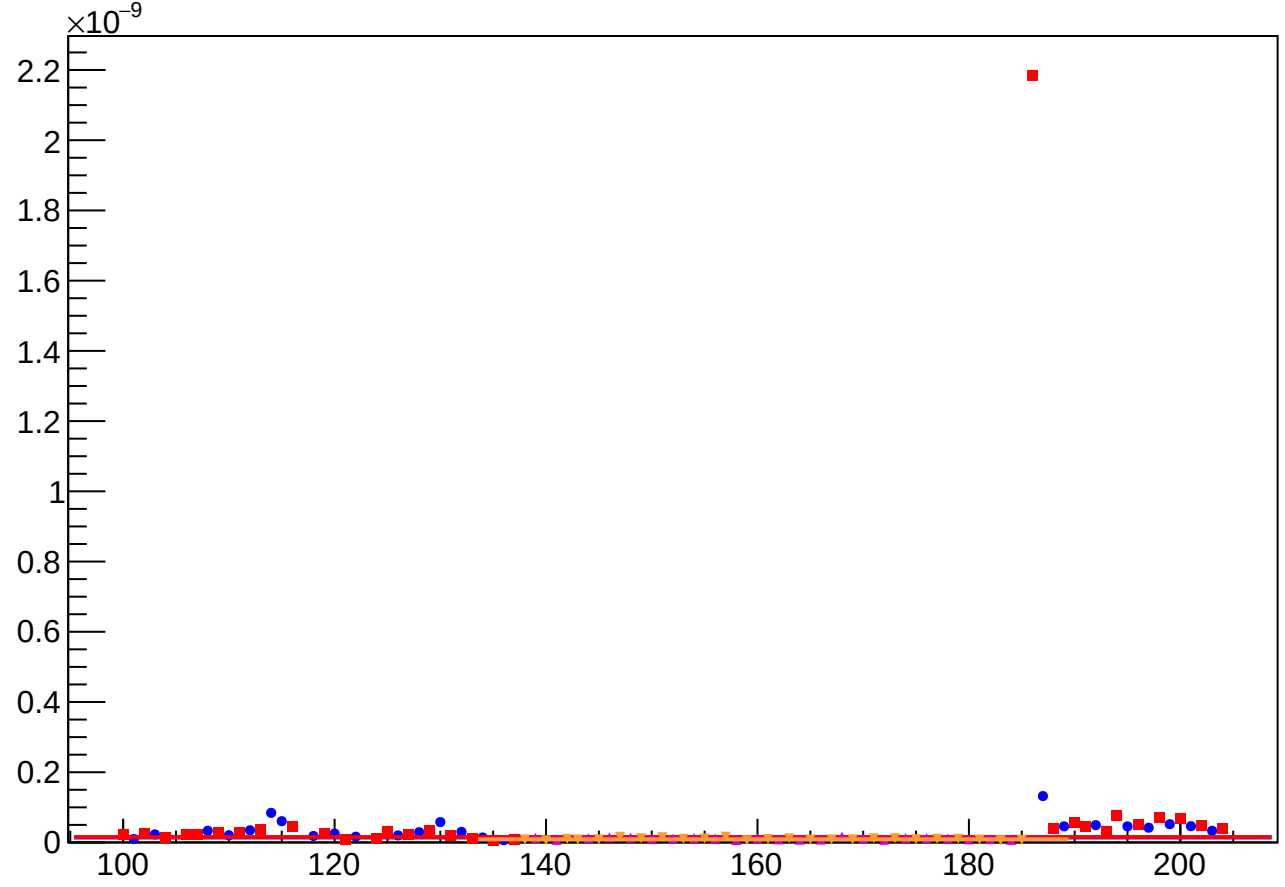
Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/29

Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.9/48

All: -0.000+/-0.000 χ^2/NDF: 97.7/101

- sign -0.000+/-0.000 χ^2/NDF: 42.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 5189843.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6656111.7/29

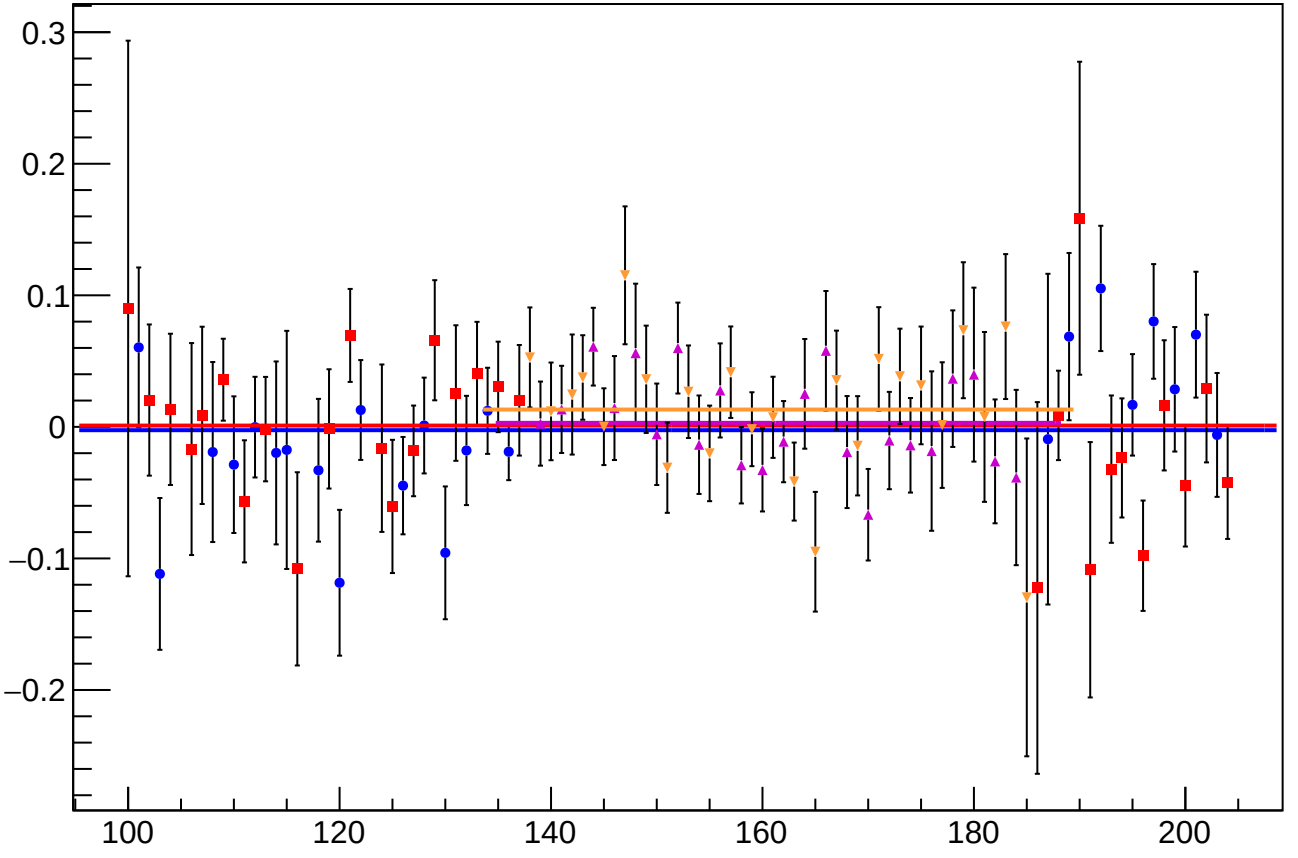
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7100560.8/48

All: 0.000+/-0.000 χ^2/NDF: 15261890.1/101

- sign 0.000+/-0.000 χ^2/NDF: 7994979.5/52

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.009 χ^2/NDF: 28.5/23

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.001+/-0.009 χ^2/NDF: 27.6/29

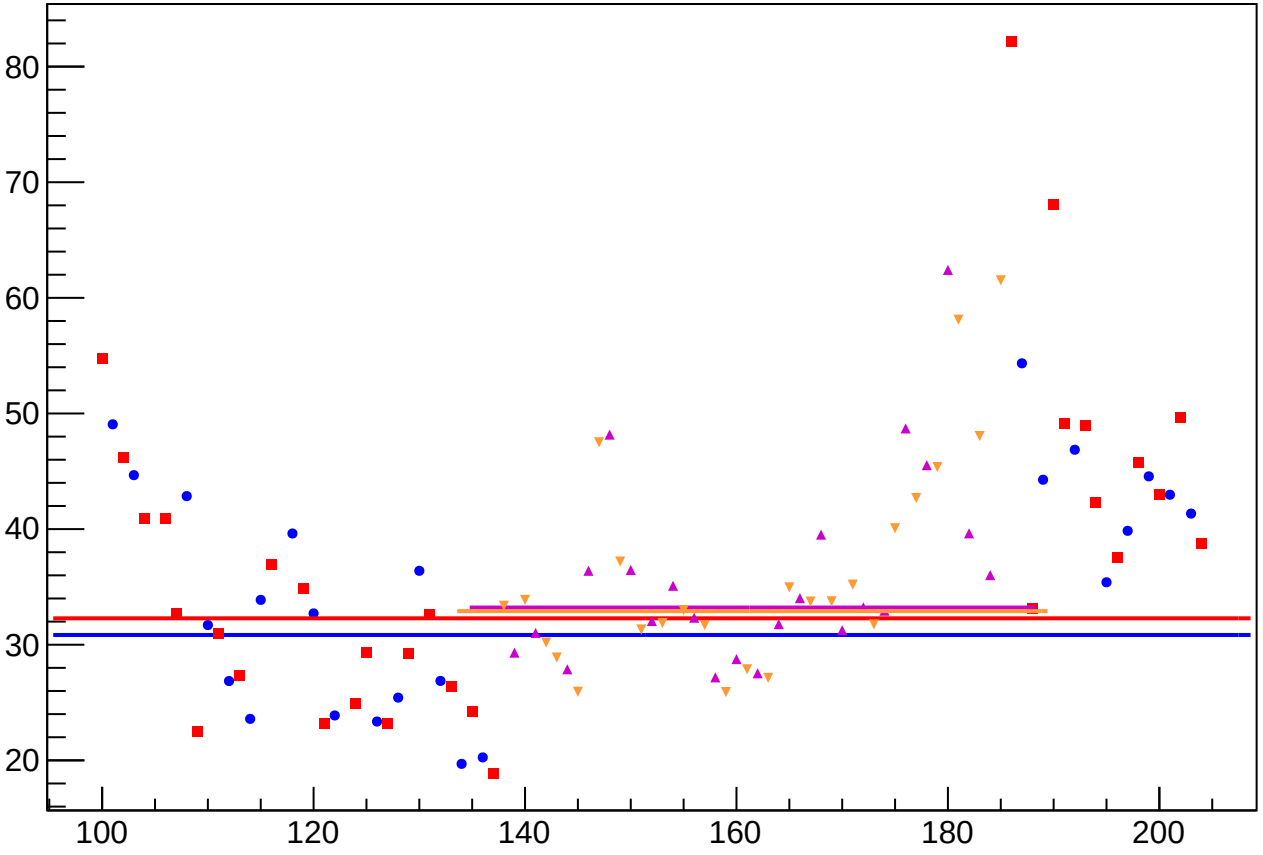
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.007+/-0.006 χ^2/NDF: 55.6/48

All: 0.004+/-0.004 χ^2/NDF: 102.8/101

- sign 0.002+/-0.006 χ^2/NDF: 46.9/52

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.845+/-0.006 χ^2/NDF: 2299352.0/23

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

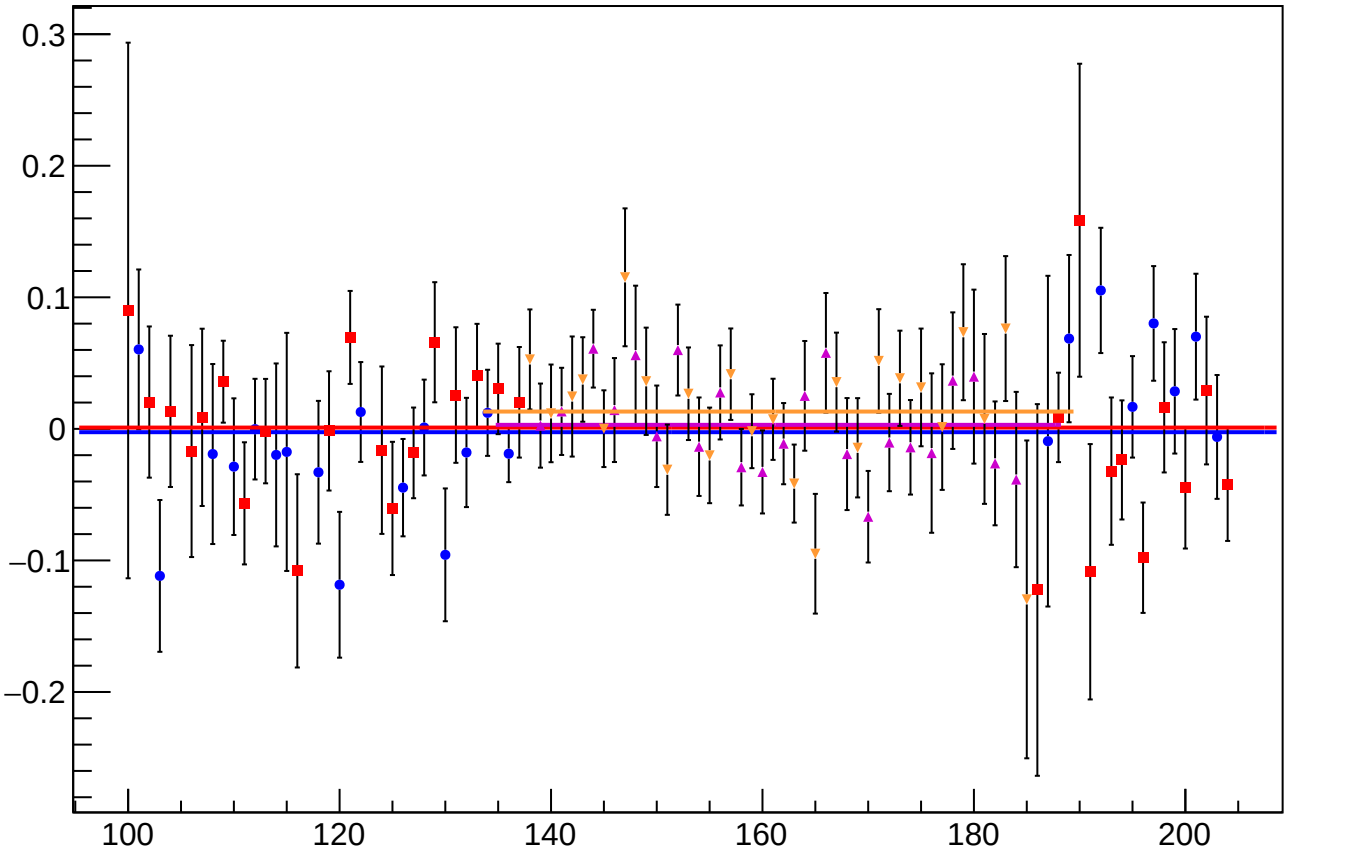
Right Out: 32.284+/-0.006 χ^2/NDF: 2416232.9/29

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 32.039+/-0.004 χ^2/NDF: 3788044.1/48

All: 32.413+/-0.003 χ^2/NDF: 7454752.6/101

\- sign 32.792+/-0.004 χ^2/NDF: 3650176.0/52



Right In: -0.003+/-0.009 χ^2/NDF: 28.5/23

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

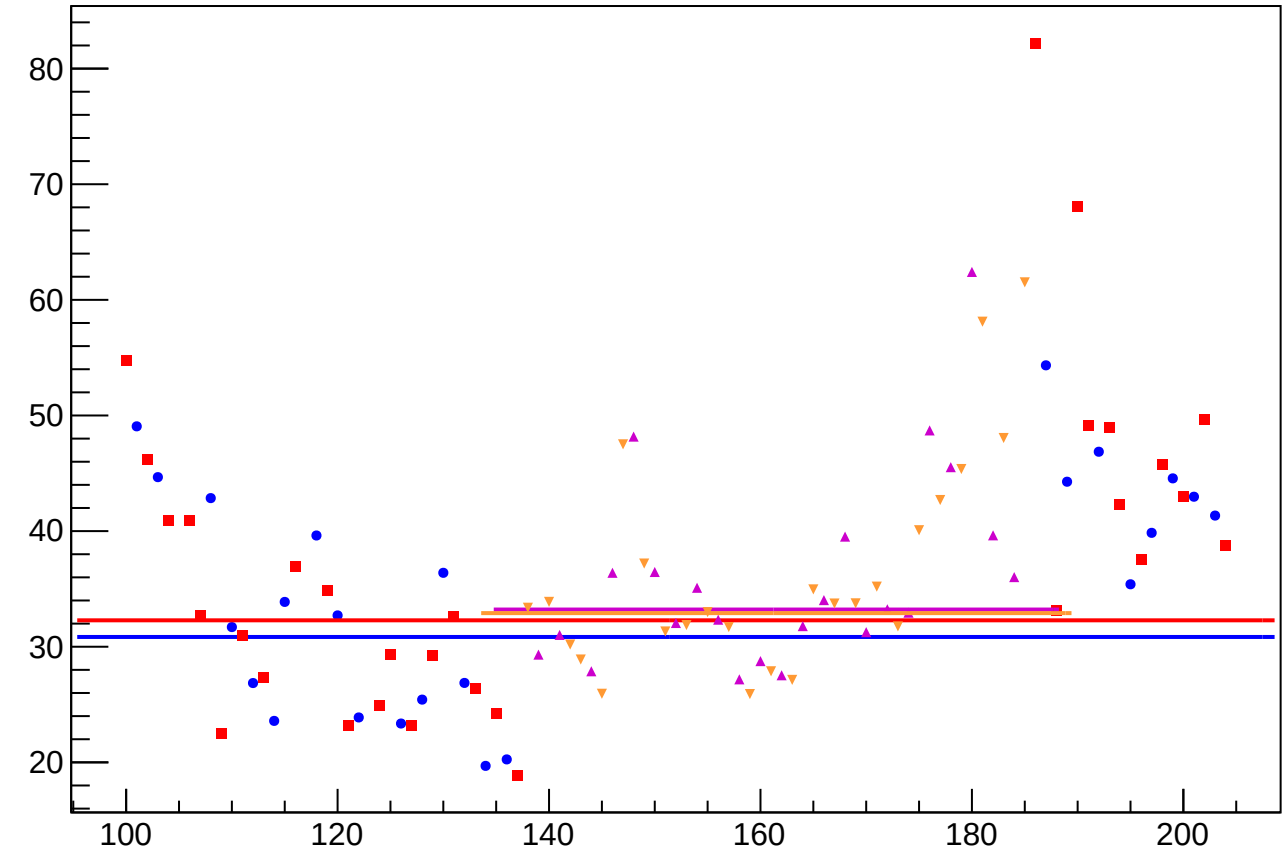
Right Out: 0.001+/-0.009 χ^2/NDF: 27.6/29

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.007+/-0.006 χ^2/NDF: 55.6/48

All: 0.004+/-0.004 χ^2/NDF: 102.8/101

- sign 0.002+/-0.006 χ^2/NDF: 46.9/52



Right In: 30.845+/-0.006 χ^2/NDF: 2299352.0/23

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

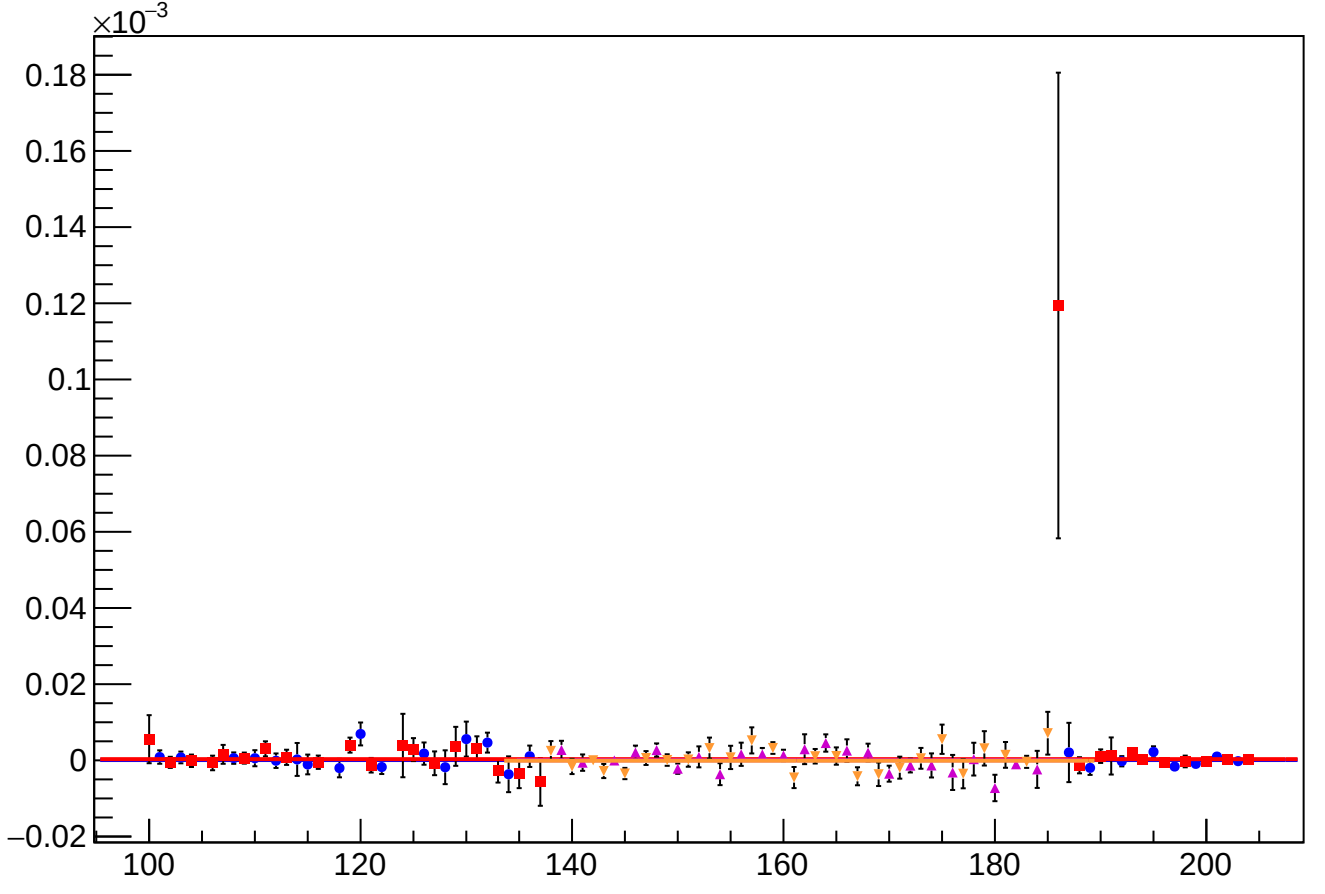
Right Out: 32.284+/-0.006 χ^2/NDF: 2416232.9/29

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 32.039+/-0.004 χ^2/NDF: 3788044.1/48

All: 32.413+/-0.003 χ^2/NDF: 7454752.6/101

- sign 32.792+/-0.004 χ^2/NDF: 3650176.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/29

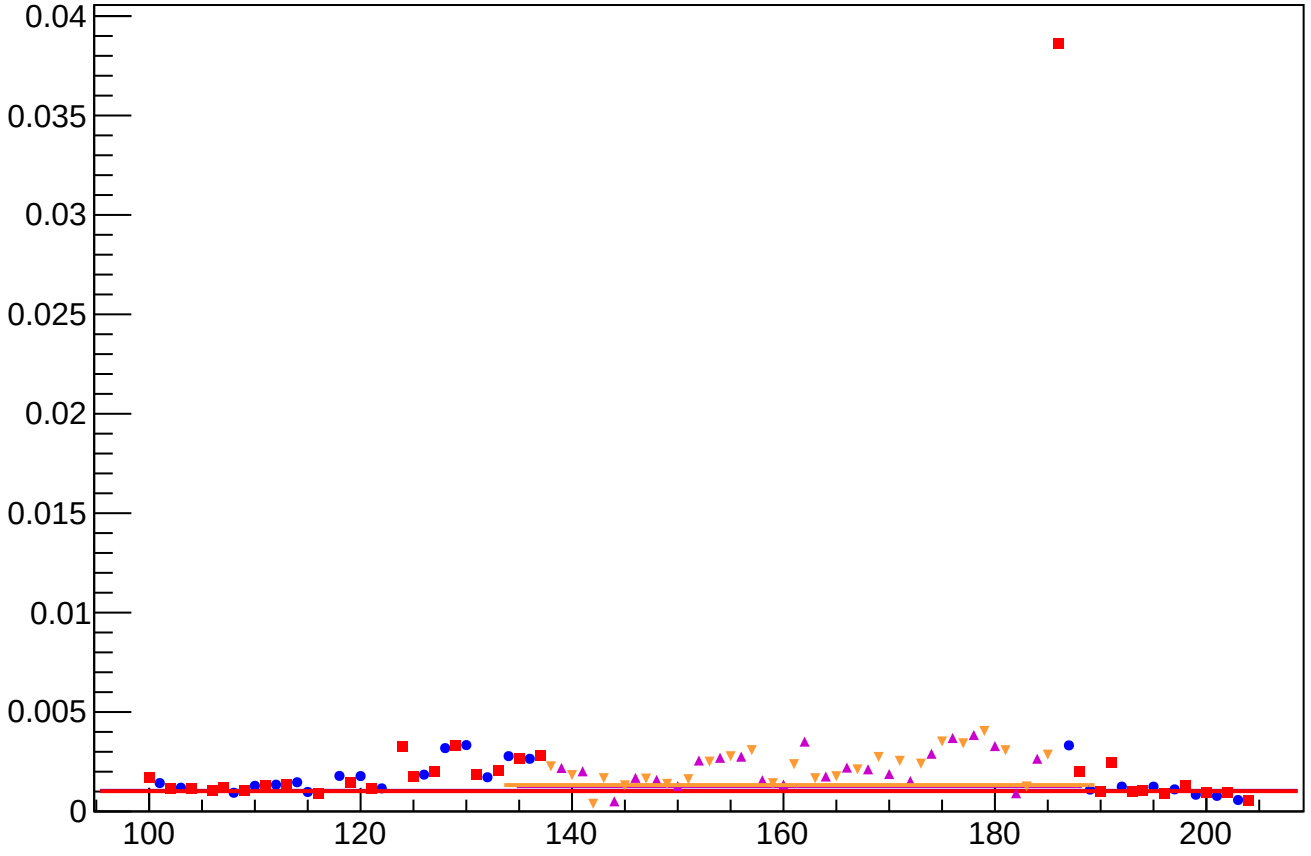
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.4/48

All: 0.000+/-0.000 χ^2/NDF: 101.2/101

- sign 0.000+/-0.000 χ^2/NDF: 48.5/52

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4201762.5/23

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

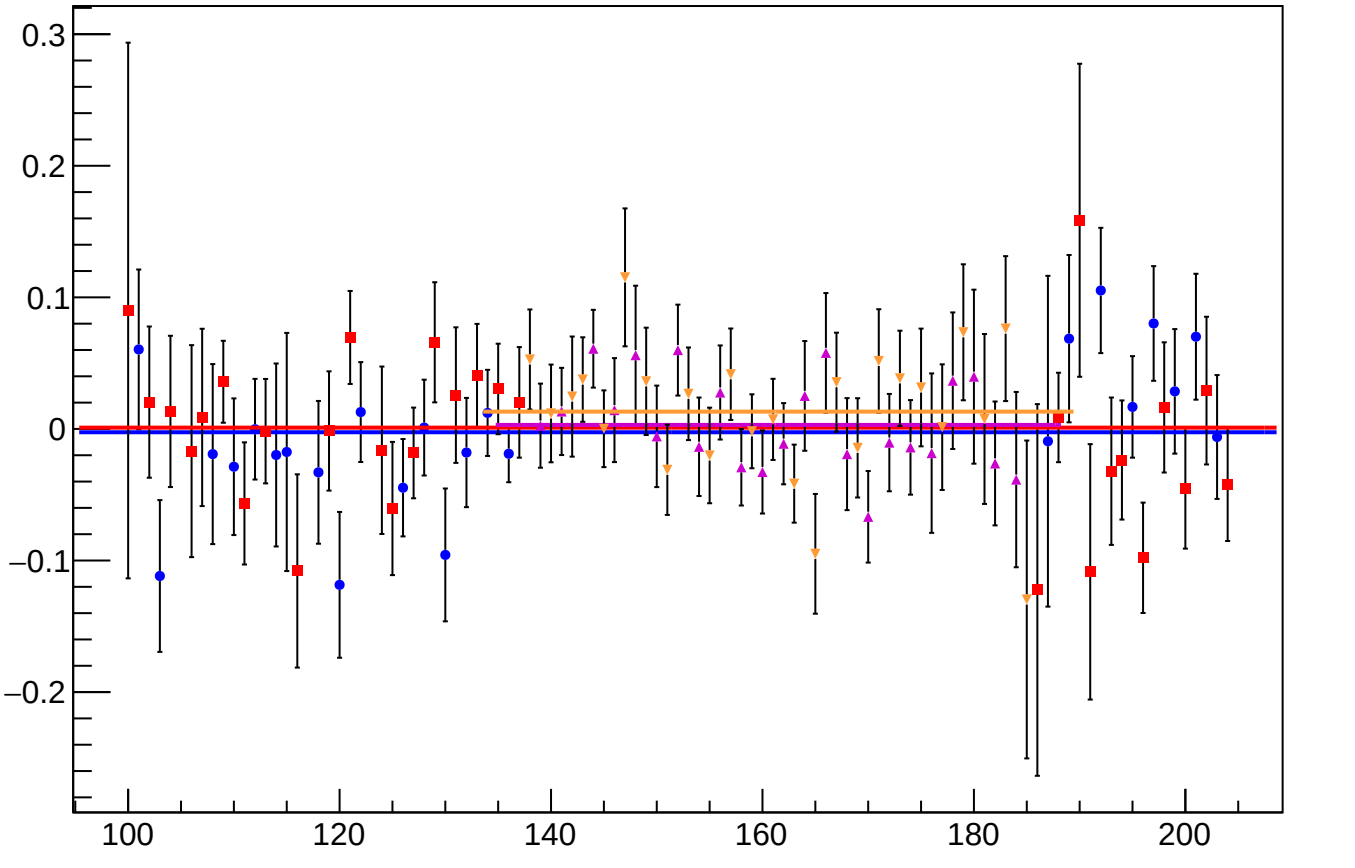
Right Out: 0.001+/-0.000 χ^2/NDF: 4898003.4/29

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 16071632.8/48

All: 0.001+/-0.000 χ^2/NDF: 31475802.9/101

- sign 0.001+/-0.000 χ^2/NDF: 15377709.8/52



Right In: -0.003+/-0.009 χ^2/NDF: 28.5/23

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

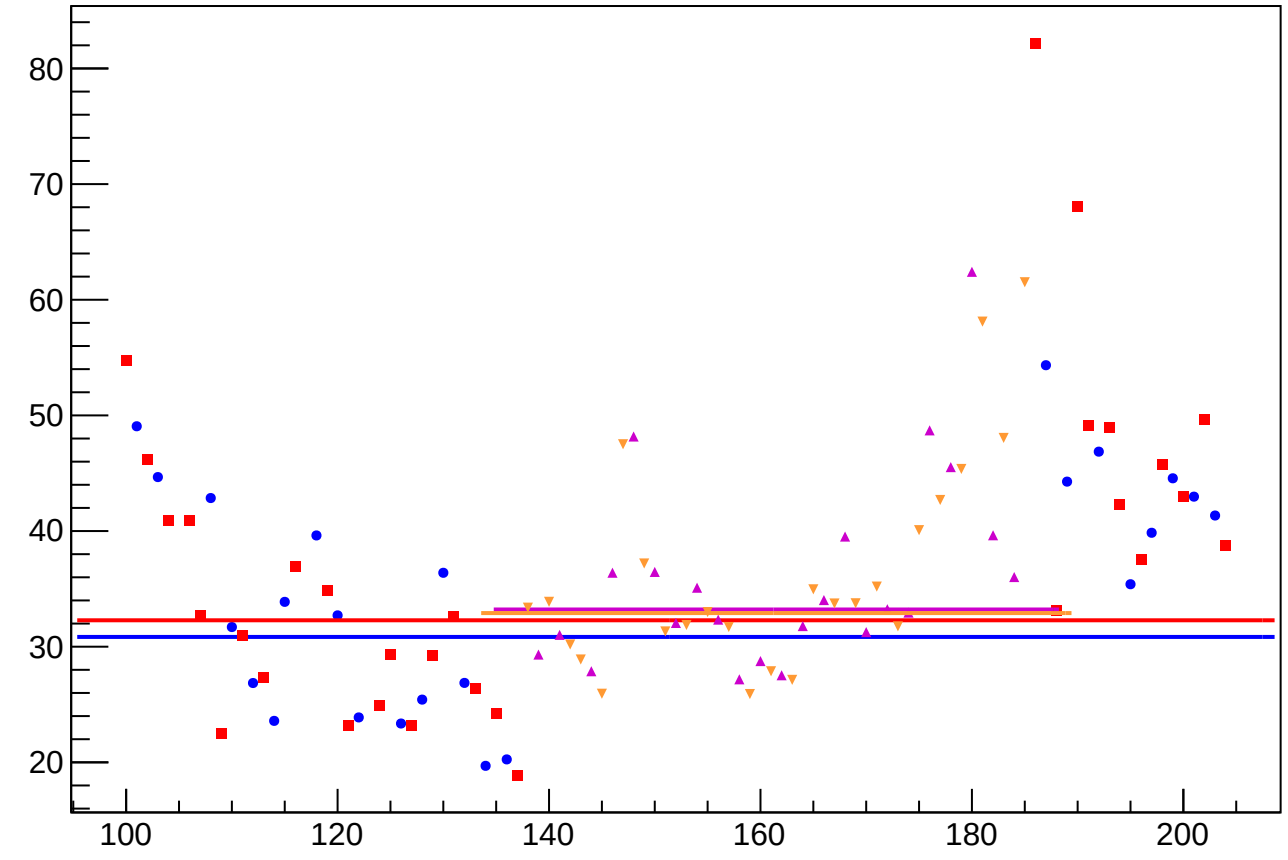
Right Out: 0.001+/-0.009 χ^2/NDF: 27.6/29

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.007+/-0.006 χ^2/NDF: 55.6/48

All: 0.004+/-0.004 χ^2/NDF: 102.8/101

- sign 0.002+/-0.006 χ^2/NDF: 46.9/52



Right In: 30.844+/-0.006 χ^2/NDF: 2299549.0/23

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

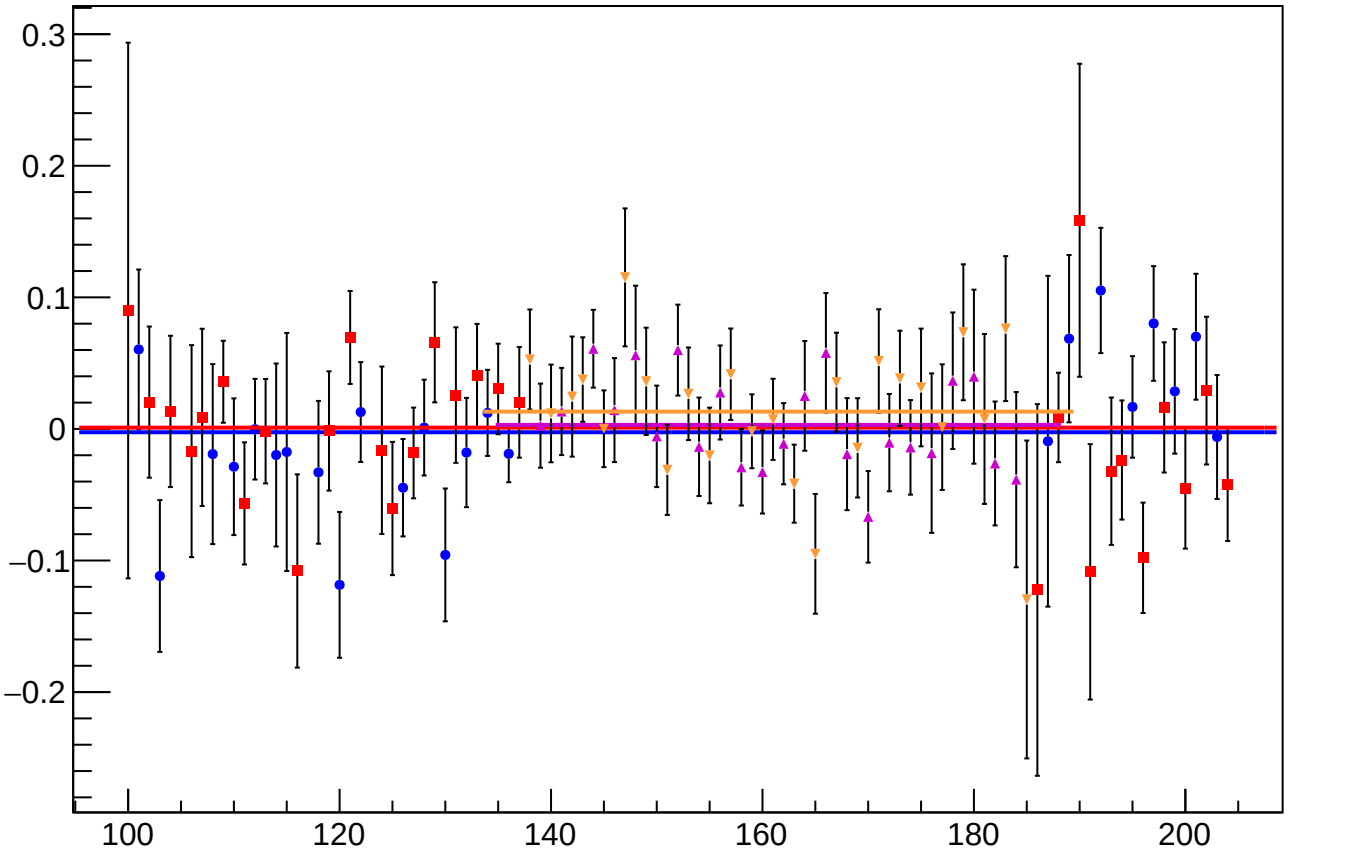
Right Out: 32.283+/-0.006 χ^2/NDF: 2416558.6/29

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 32.038+/-0.004 χ^2/NDF: 3788355.0/48

All: 32.413+/-0.003 χ^2/NDF: 7455485.1/101

- sign 32.791+/-0.004 χ^2/NDF: 3650601.8/52



Right In: -0.003+/-0.009 χ^2/NDF: 28.5/23

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

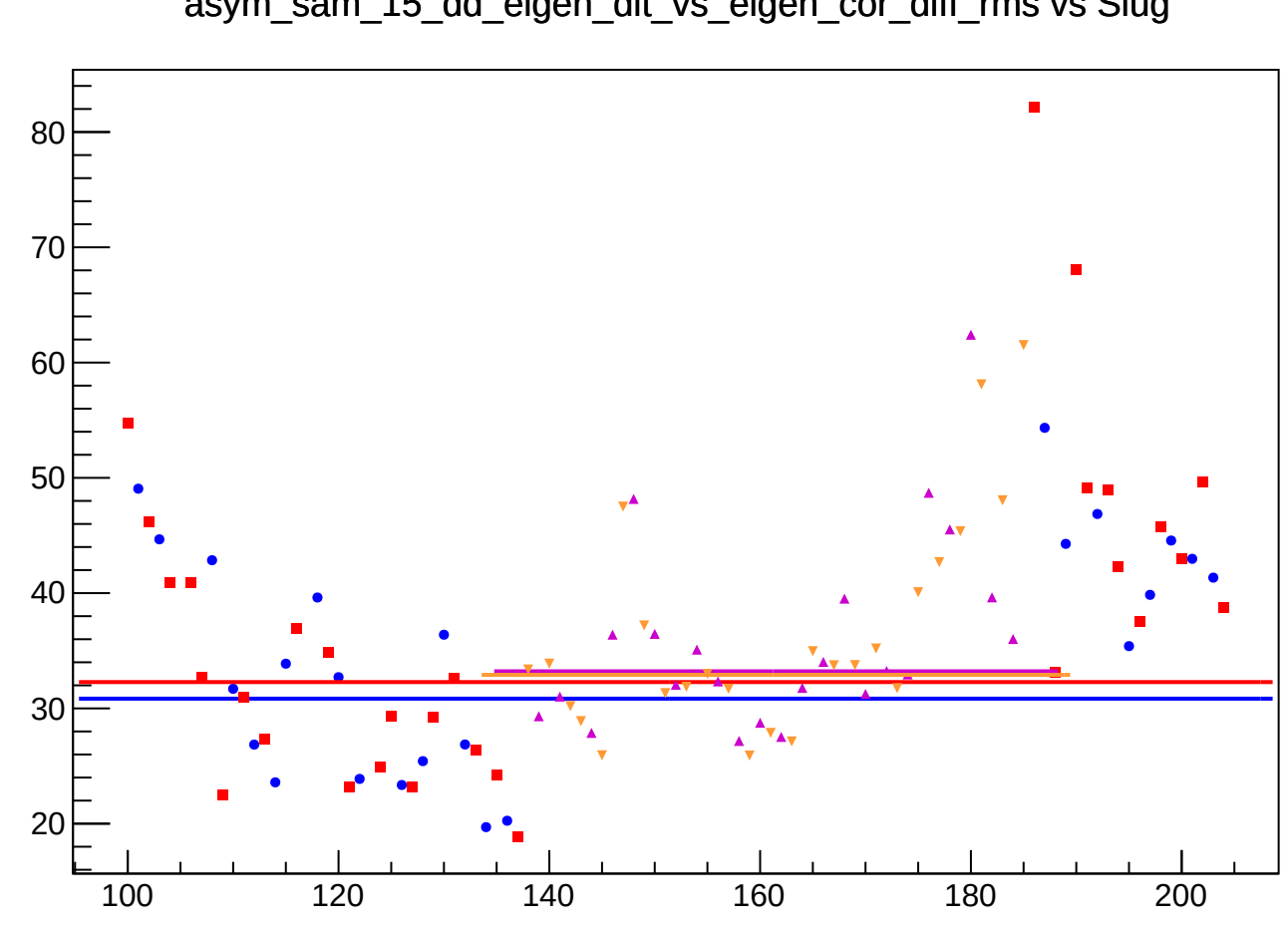
Right Out: 0.001+/-0.009 χ^2/NDF: 27.6/29

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.007+/-0.006 χ^2/NDF: 55.6/48

All: 0.004+/-0.004 χ^2/NDF: 102.8/101

- sign 0.002+/-0.006 χ^2/NDF: 46.9/52



Right In: 30.844+/-0.006 χ^2/NDF: 2299549.0/23

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

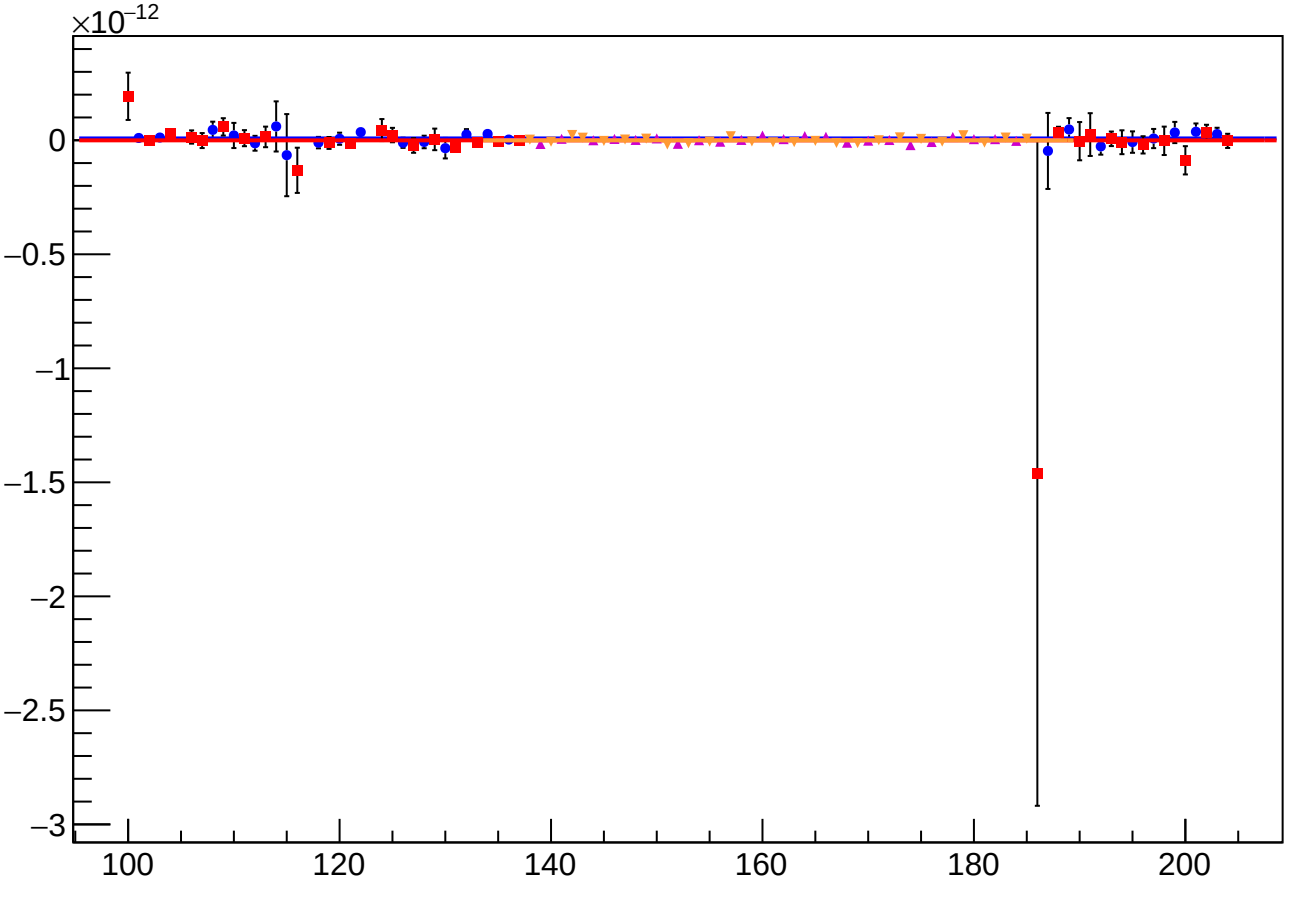
Right Out: 32.283+/-0.006 χ^2/NDF: 2416558.6/29

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

\+ sign 32.038+/-0.004 χ^2/NDF: 3788355.0/48

All: 32.413+/-0.003 χ^2/NDF: 7455485.1/101

\- sign 32.791+/-0.004 χ^2/NDF: 3650601.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/23

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

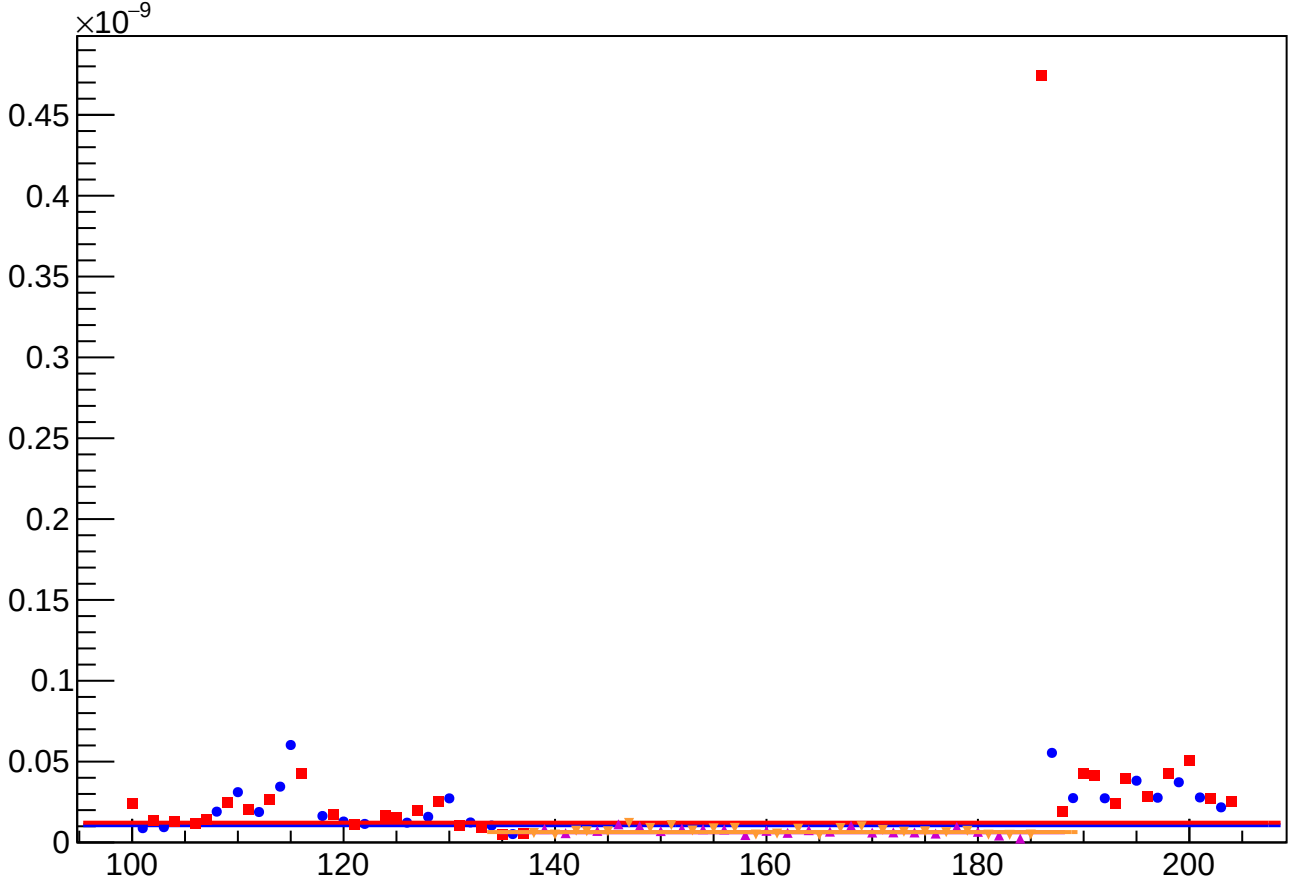
Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/29

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.6/48

All: 0.000+/-0.000 χ^2/NDF: 92.3/101

- sign 0.000+/-0.000 χ^2/NDF: 46.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 5917105.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7043433.3/29

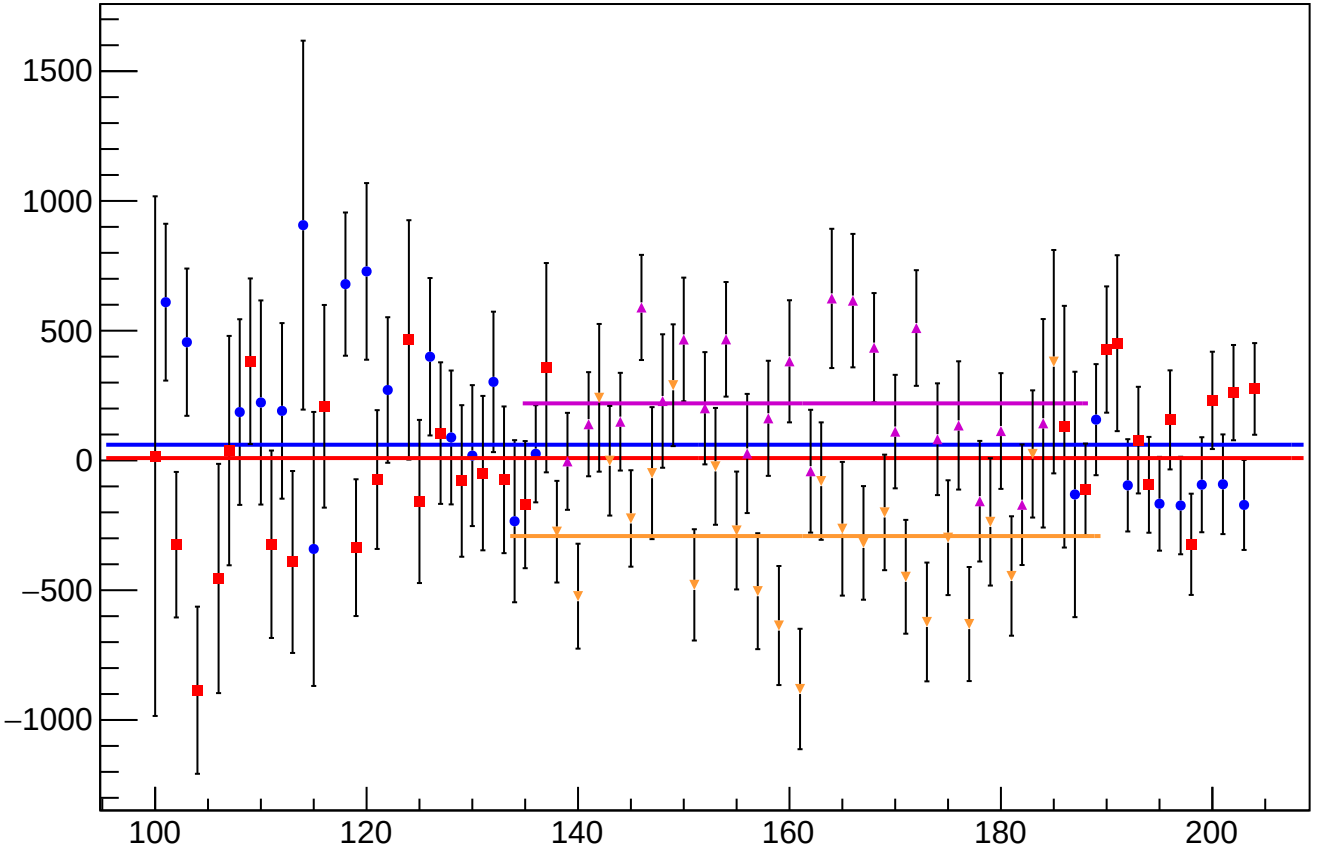
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 9407943.5/48

All: 0.000+/-0.000 χ^2/NDF: 21409966.3/101

- sign 0.000+/-0.000 χ^2/NDF: 11998034.7/52

reg_asym_sam_26_dd_mean vs Slug



Right In: 60.582+/-50.934 χ^2/NDF: 27.6/23

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 9.153+/-47.683 χ^2/NDF: 33.4/29

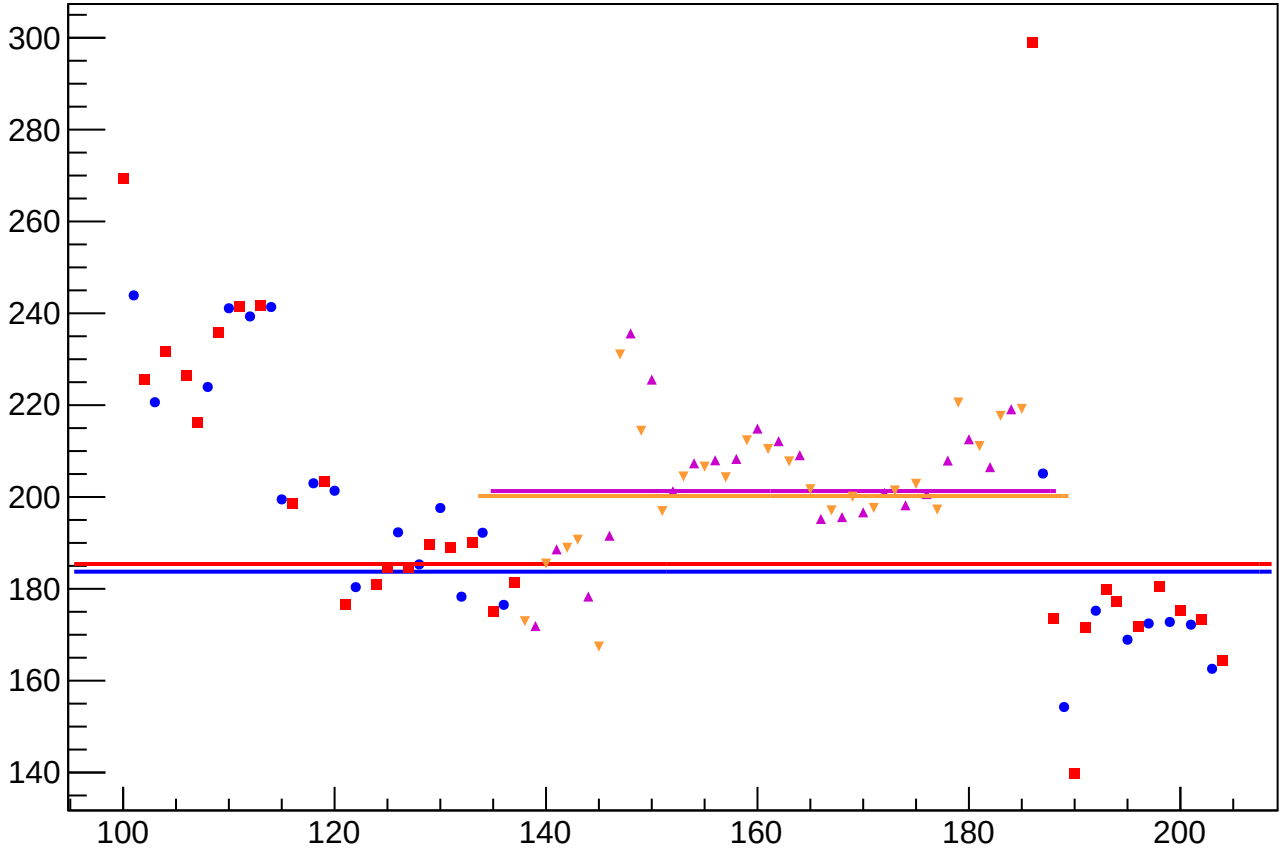
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -134.697+/-33.980 χ^2/NDF: 90.4/48

All: -7.785+/-23.865 χ^2/NDF: 185.0/101

- sign 115.758+/-33.525 χ^2/NDF: 67.0/52

reg_asym_sam_26_dd_rms vs Slug



Right In: 183.733+/-0.036 χ^2/NDF: 388828.8/23

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 185.408+/-0.034 χ^2/NDF: 553211.6/29

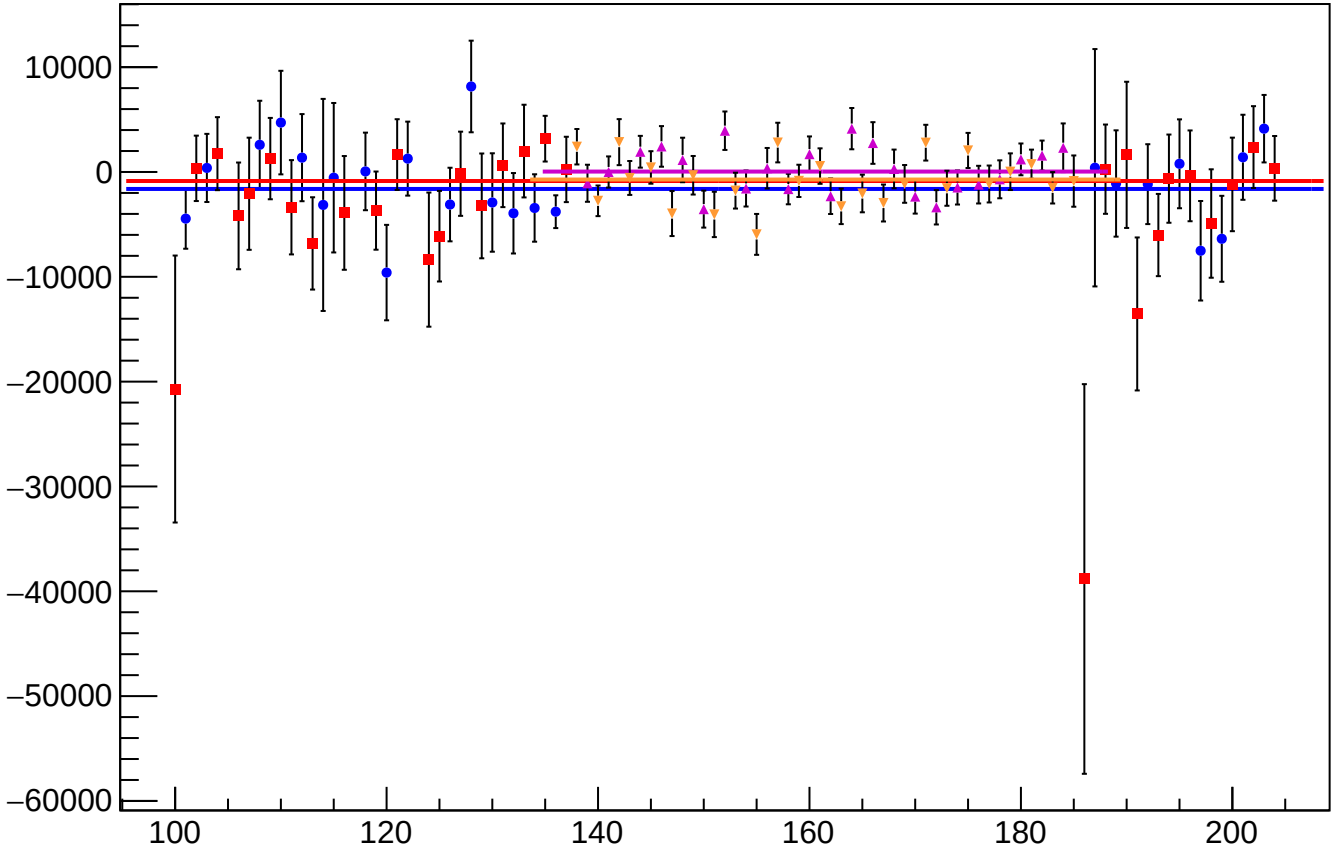
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 192.876+/-0.024 χ^2/NDF: 709374.0/48

All: 193.163+/-0.017 χ^2/NDF: 1556818.6/101

- sign 193.443+/-0.024 χ^2/NDF: 847163.3/52

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1618.791+/-747.992 χ^2/NDF: 23.4/23

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -861.567+/-752.938 χ^2/NDF: 25.3/29

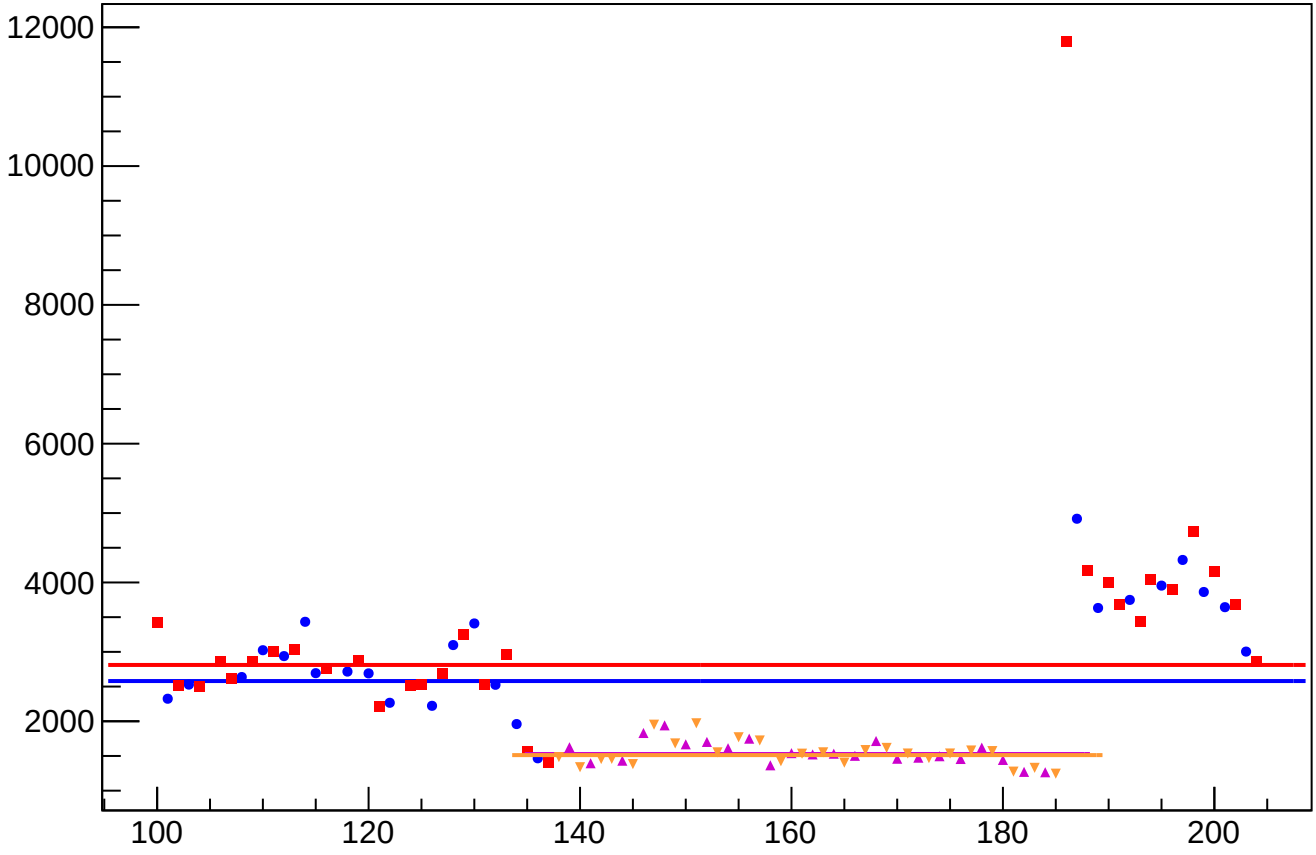
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -879.280+/-314.311 χ^2/NDF: 62.9/48

All: -515.221+/-225.682 χ^2/NDF: 126.5/101

- sign -127.785+/-324.245 χ^2/NDF: 60.9/52

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2579.524+/-0.529 χ^2/NDF: 2490885.3/23

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2811.454+/-0.532 χ^2/NDF: 2889481.9/29

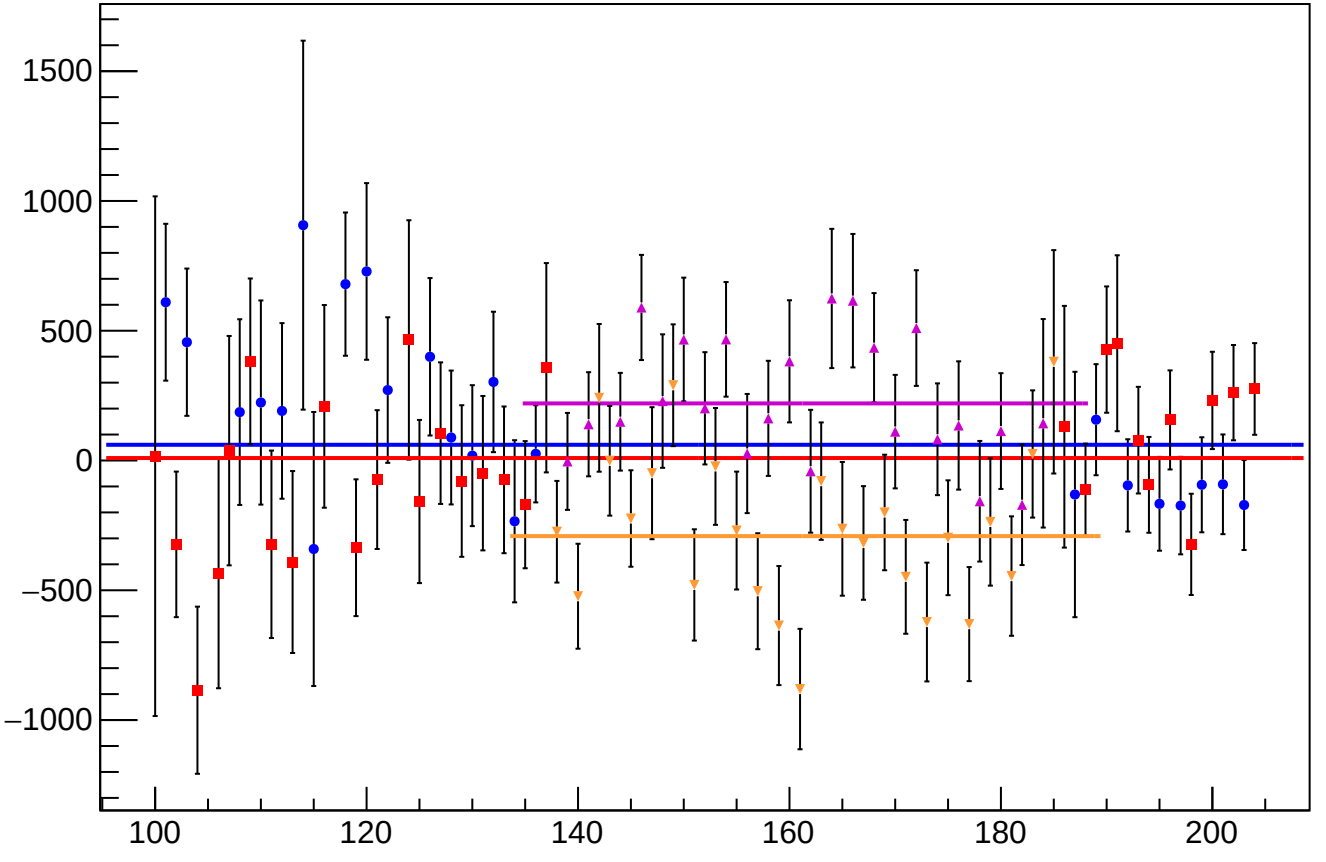
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1700.797+/-0.222 χ^2/NDF: 6285559.3/48

All: 1732.379+/-0.160 χ^2/NDF: 14324409.7/1

- sign 1765.988+/-0.229 χ^2/NDF: 7997169.3/52

cor_asym_sam_26_dd_mean vs Slug



Right In: 60.578+/-50.934 χ^2/NDF: 27.6/23

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 9.494+/-47.686 χ^2/NDF: 33.3/29

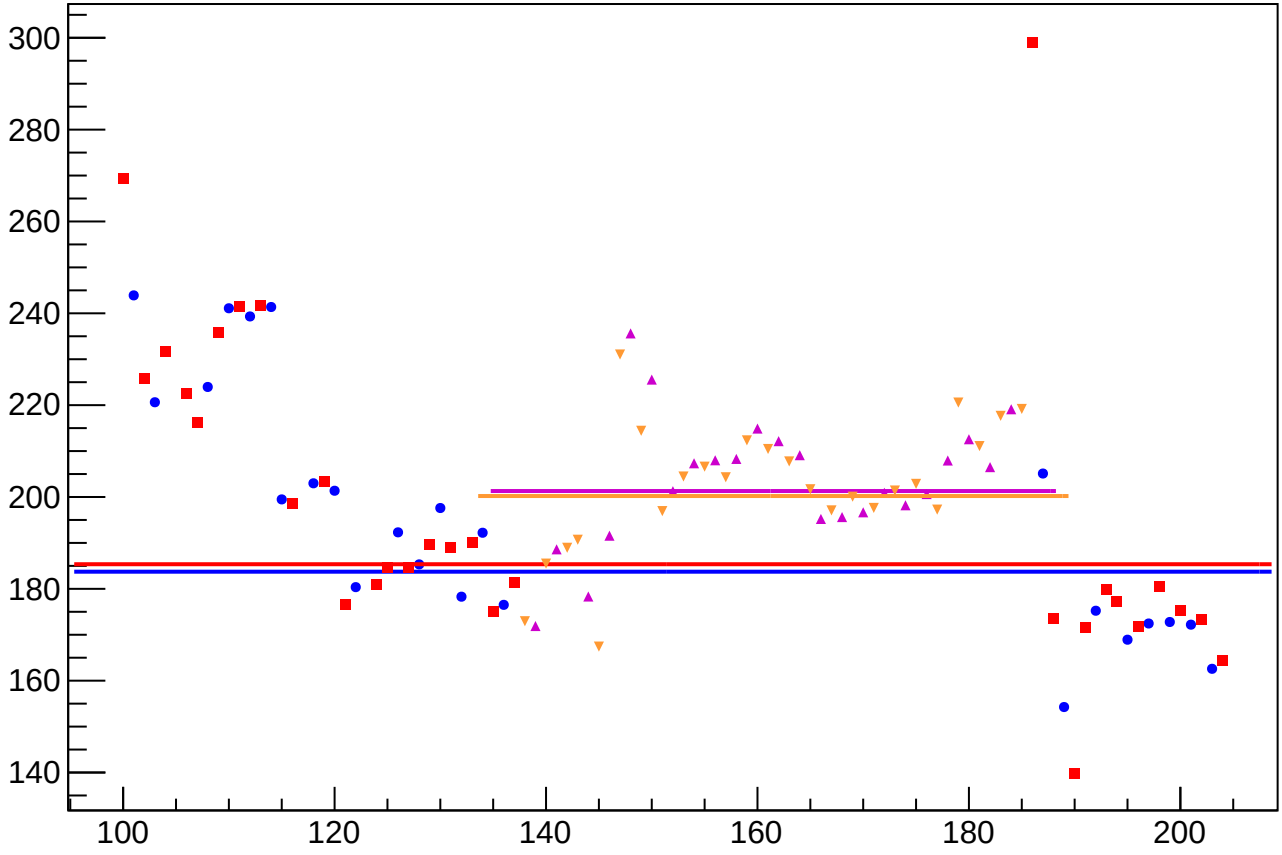
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -134.700+/-33.980 χ^2/NDF: 90.4/48

All: -7.699+/-23.865 χ^2/NDF: 184.8/101

- sign 115.937+/-33.526 χ^2/NDF: 66.9/52

cor_asym_sam_26_dd_rms vs Slug



Right In: 183.733+/-0.036 χ^2/NDF: 388829.3/23

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

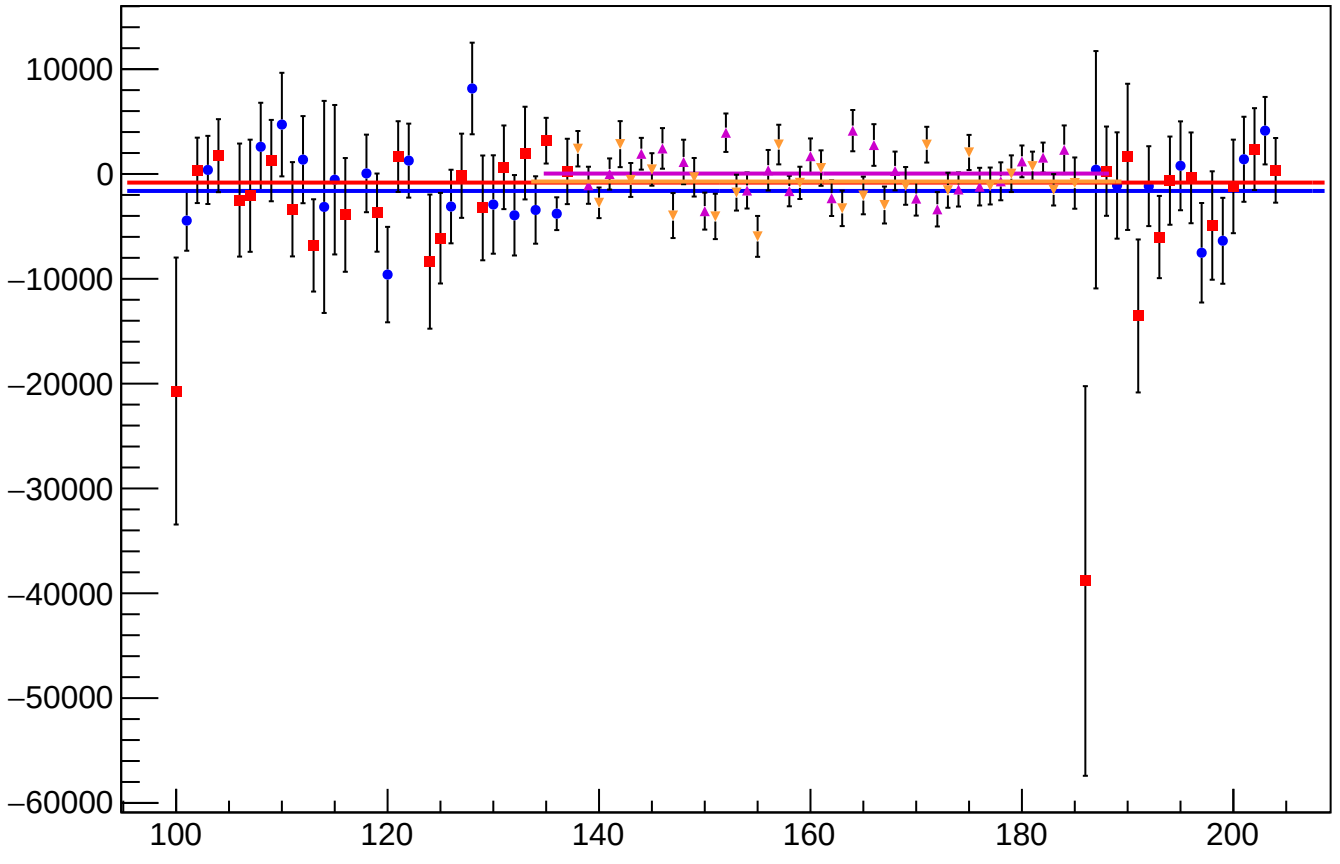
Right Out: 185.359+/-0.034 χ^2/NDF: 550051.0/29

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 192.877+/-0.024 χ^2/NDF: 709374.5/48

All: 193.151+/-0.017 χ^2/NDF: 1554311.4/101

- sign 193.419+/-0.024 χ^2/NDF: 844678.4/52



Right In: -1618.764+/-747.993 χ^2/NDF: 23.4/23

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -820.599+/-753.851 χ^2/NDF: 25.0/29

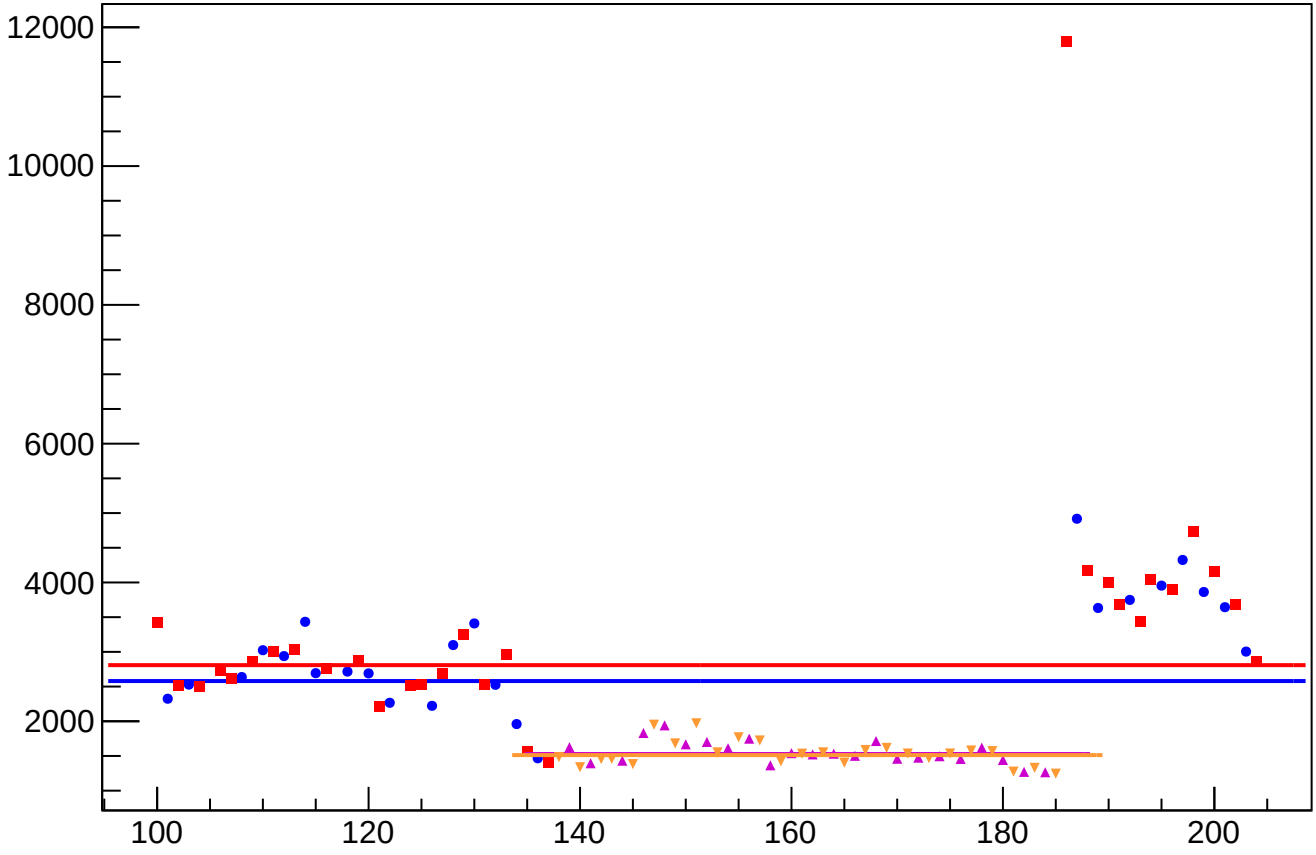
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -879.278+/-314.311 χ^2/NDF: 62.9/48

All: -511.473+/-225.706 χ^2/NDF: 126.1/101

- sign -119.875+/-324.318 χ^2/NDF: 60.5/52

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2579.527+/-0.529 χ^2/NDF: 2490881.2/23

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2808.726+/-0.533 χ^2/NDF: 2889538.5/29

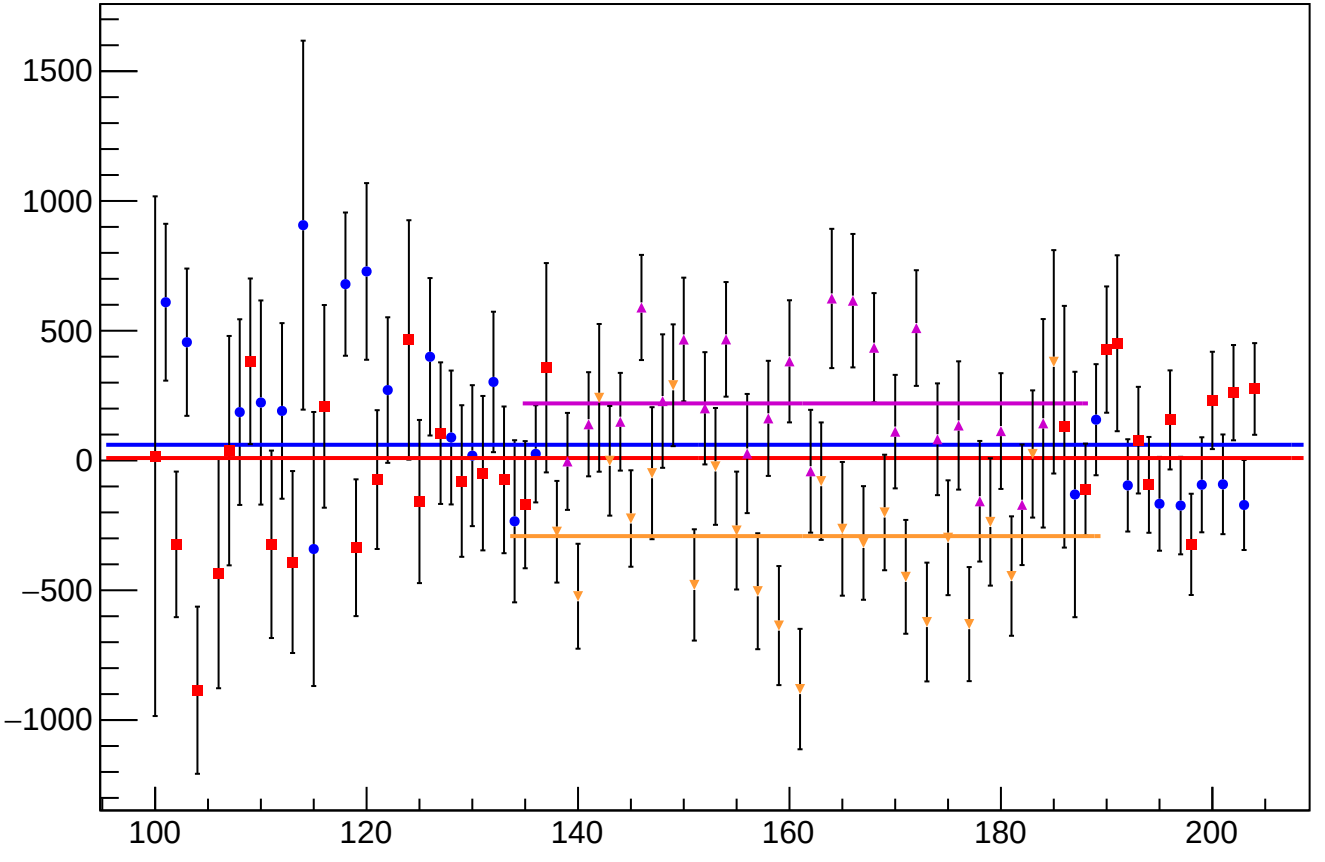
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1700.797+/-0.222 χ^2/NDF: 6285571.5/48

All: 1731.900+/-0.160 χ^2/NDF: 14293831.1/1

- sign 1765.014+/-0.229 χ^2/NDF: 7967824.7/52

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 60.578+/-50.934 χ^2/NDF: 27.6/23

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 9.494+/-47.686 χ^2/NDF: 33.3/29

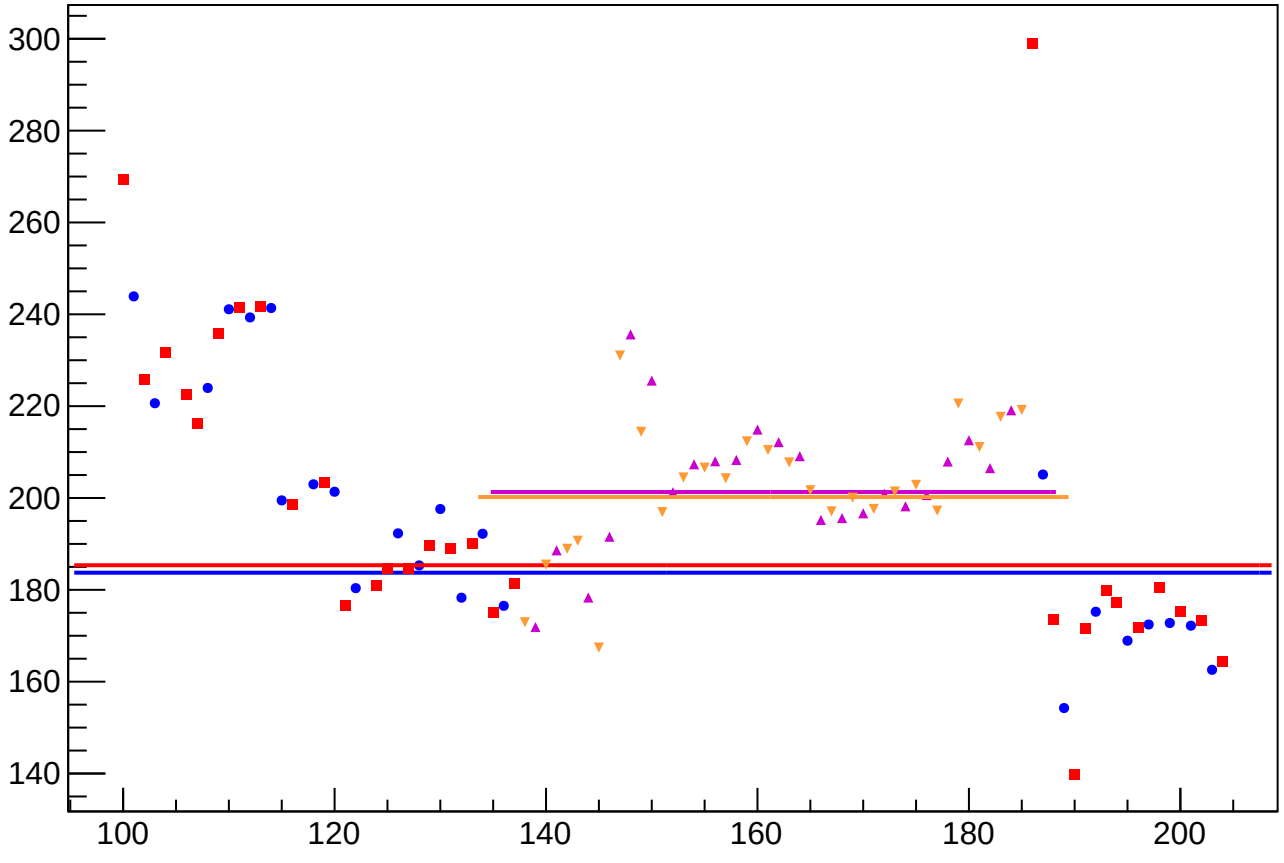
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -134.700+/-33.980 χ^2/NDF: 90.4/48

All: -7.699+/-23.865 χ^2/NDF: 184.8/101

- sign 115.937+/-33.526 χ^2/NDF: 66.9/52

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 183.733+/-0.036 χ^2/NDF: 388829.3/23

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

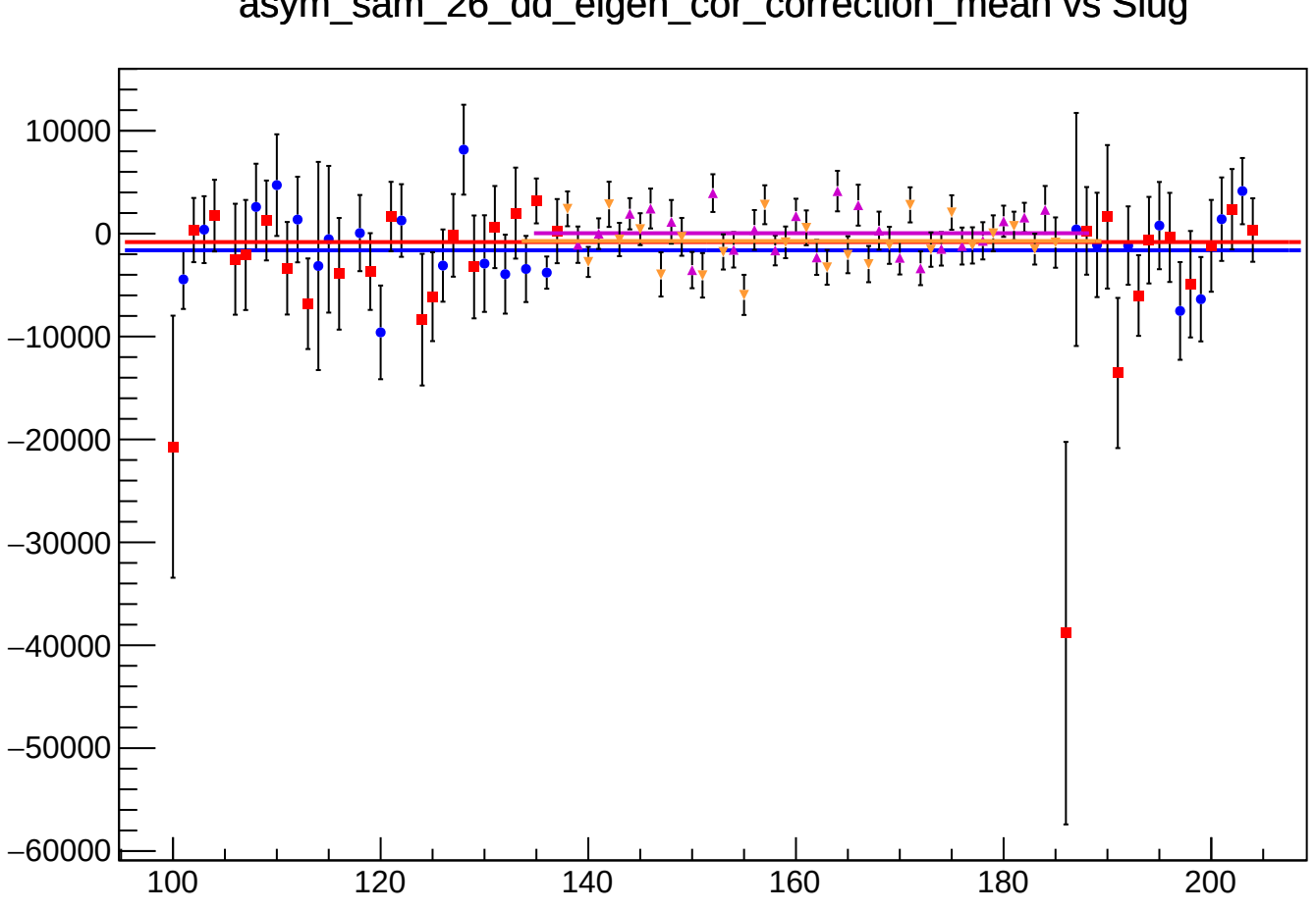
Right Out: 185.359+/-0.034 χ^2/NDF: 550051.0/29

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 192.877+/-0.024 χ^2/NDF: 709374.5/48

All: 193.151+/-0.017 χ^2/NDF: 1554311.4/101

- sign 193.419+/-0.024 χ^2/NDF: 844678.4/52



Right In: -1618.764+/-747.993 χ^2/NDF: 23.4/23

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -820.599+/-753.851 χ^2/NDF: 25.0/29

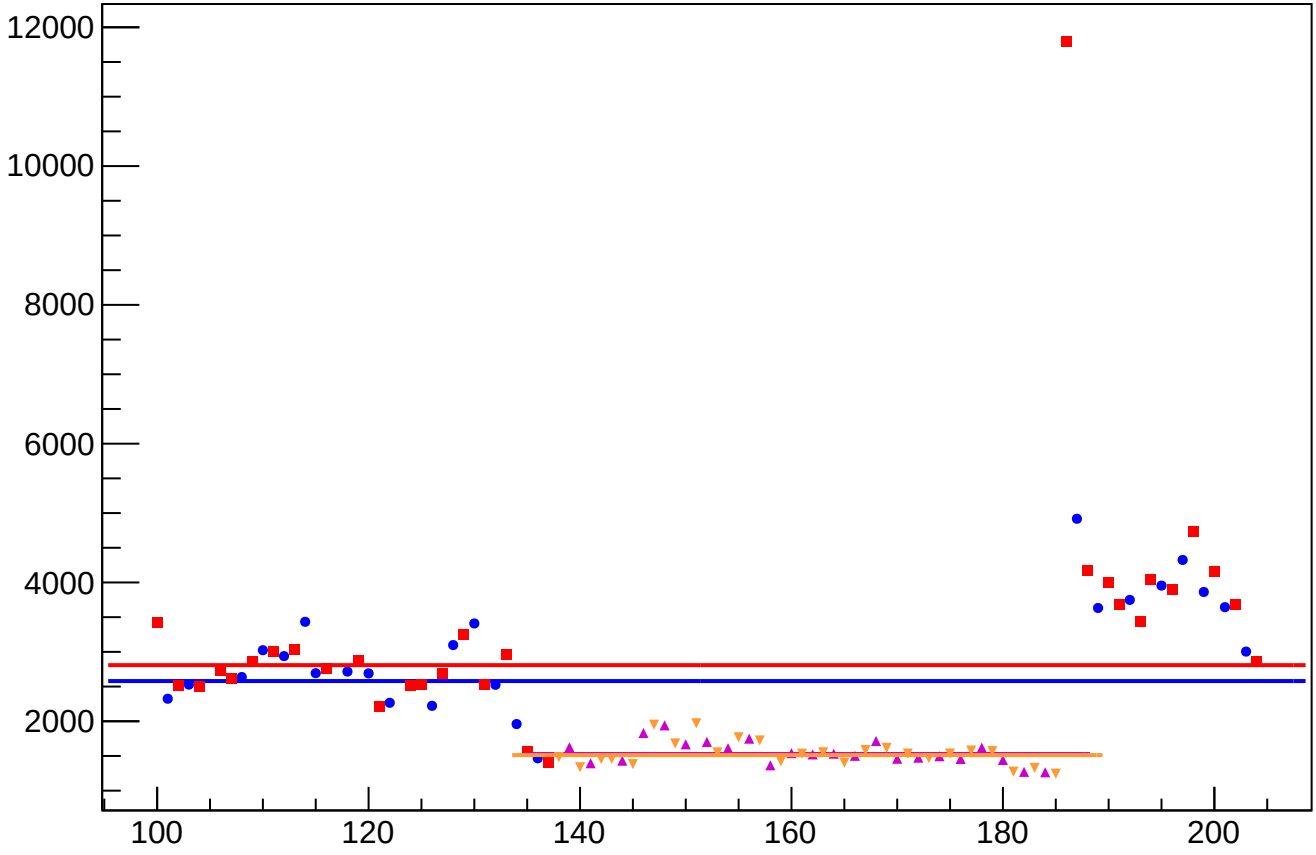
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -879.278+/-314.311 χ^2/NDF: 62.9/48

All: -511.473+/-225.706 χ^2/NDF: 126.1/101

- sign -119.875+/-324.318 χ^2/NDF: 60.5/52

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2579.527+/-0.529 χ^2/NDF: 2490881.2/23

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2808.726+/-0.533 χ^2/NDF: 2889538.5/29

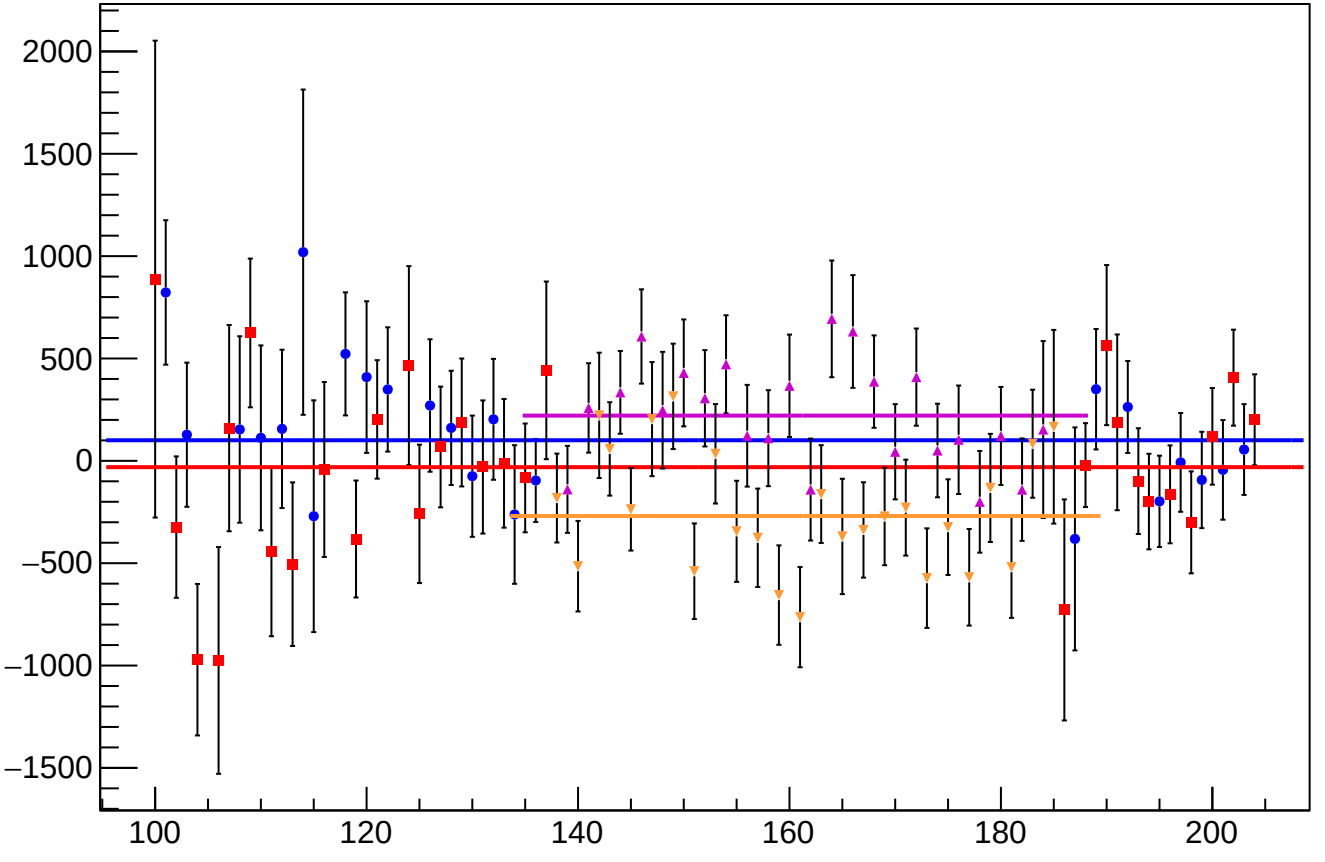
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1700.797+/-0.222 χ^2/NDF: 6285571.5/48

All: 1731.900+/-0.160 χ^2/NDF: 14293831.1/1

- sign 1765.014+/-0.229 χ^2/NDF: 7967824.7/52

dit_asym_sam_26_dd_mean vs Slug



Right In: 100.539+/-60.628 χ^2/NDF: 17.3/23

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -30.937+/-56.858 χ^2/NDF: 33.3/29

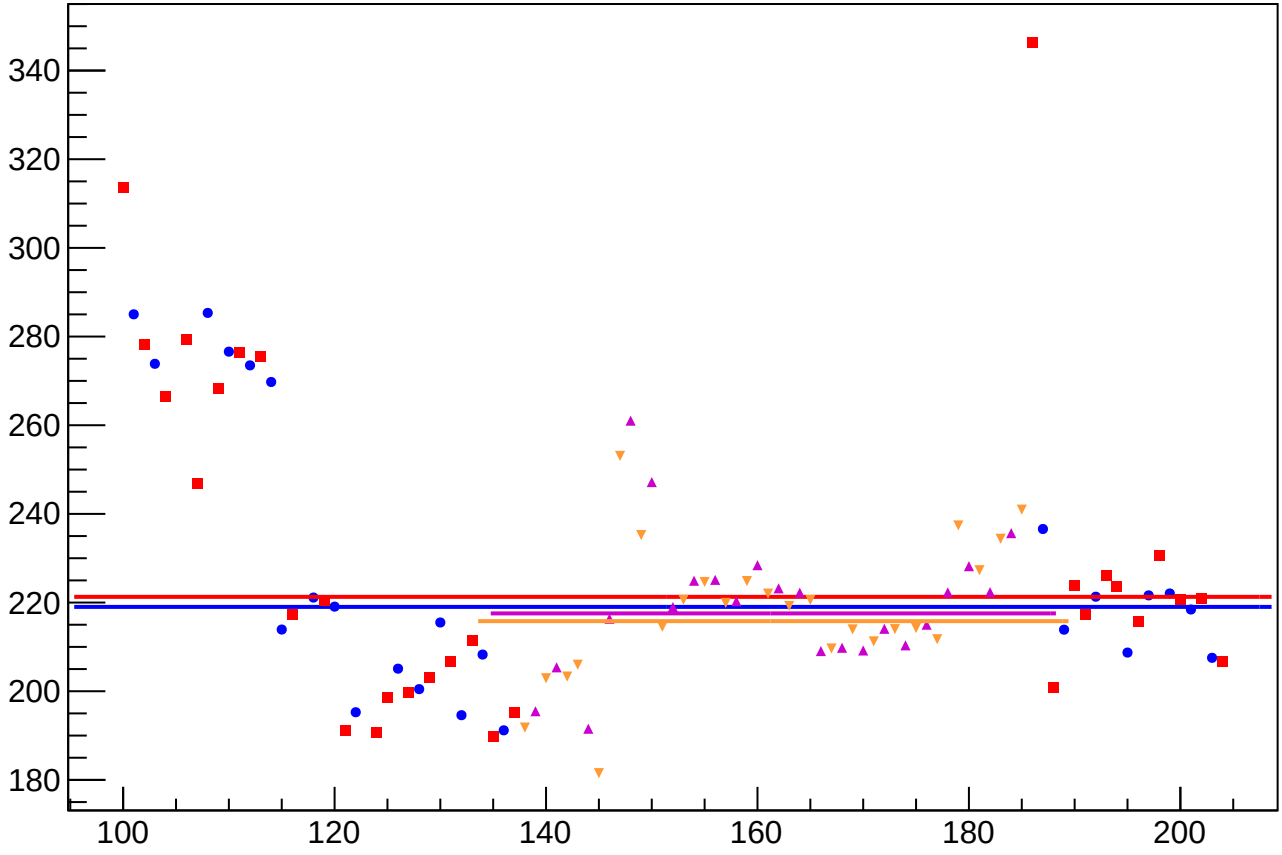
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -122.832+/-38.183 χ^2/NDF: 71.3/48

All: -6.325+/-26.916 χ^2/NDF: 157.3/101

- sign 108.742+/-37.947 χ^2/NDF: 67.5/52

dit_asym_sam_26_dd_rms vs Slug



Right In: 219.024+/-0.043 χ^2/NDF: 333101.1/23

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 221.289+/-0.040 χ^2/NDF: 468510.5/29

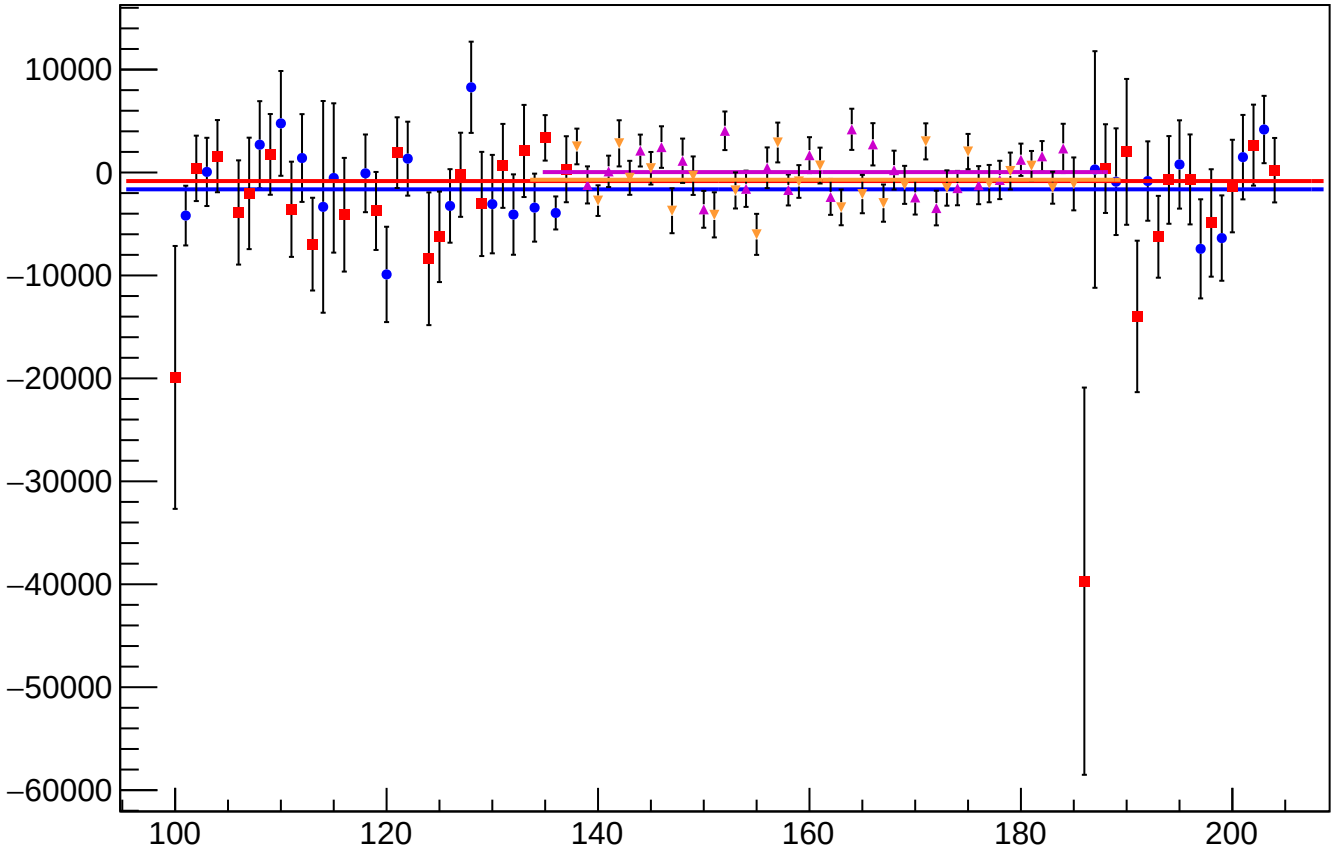
Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 217.083+/-0.027 χ^2/NDF: 525199.7/48

All: 218.157+/-0.019 χ^2/NDF: 1162705.2/101

- sign 219.218+/-0.027 χ^2/NDF: 634359.9/52

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1635.351+/-762.061 χ^2/NDF: 23.2/23

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -831.509+/-763.883 χ^2/NDF: 26.0/29

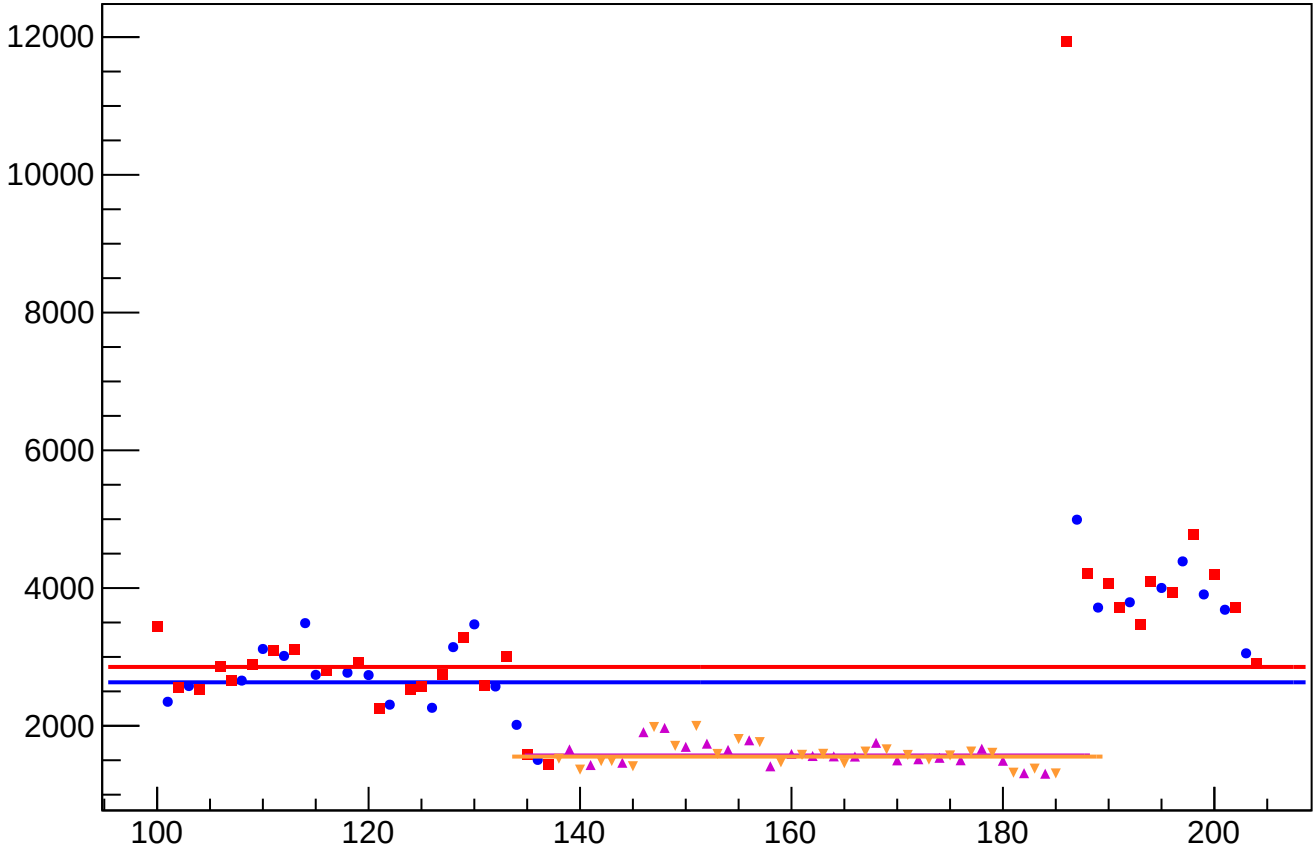
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -870.437+/-322.140 χ^2/NDF: 62.0/48

All: -509.180+/-231.253 χ^2/NDF: 126.0/101

- sign -125.073+/-332.172 χ^2/NDF: 61.4/52

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2631.736+/-0.539 χ^2/NDF: 2433989.7/23

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2854.664+/-0.540 χ^2/NDF: 2848387.1/29

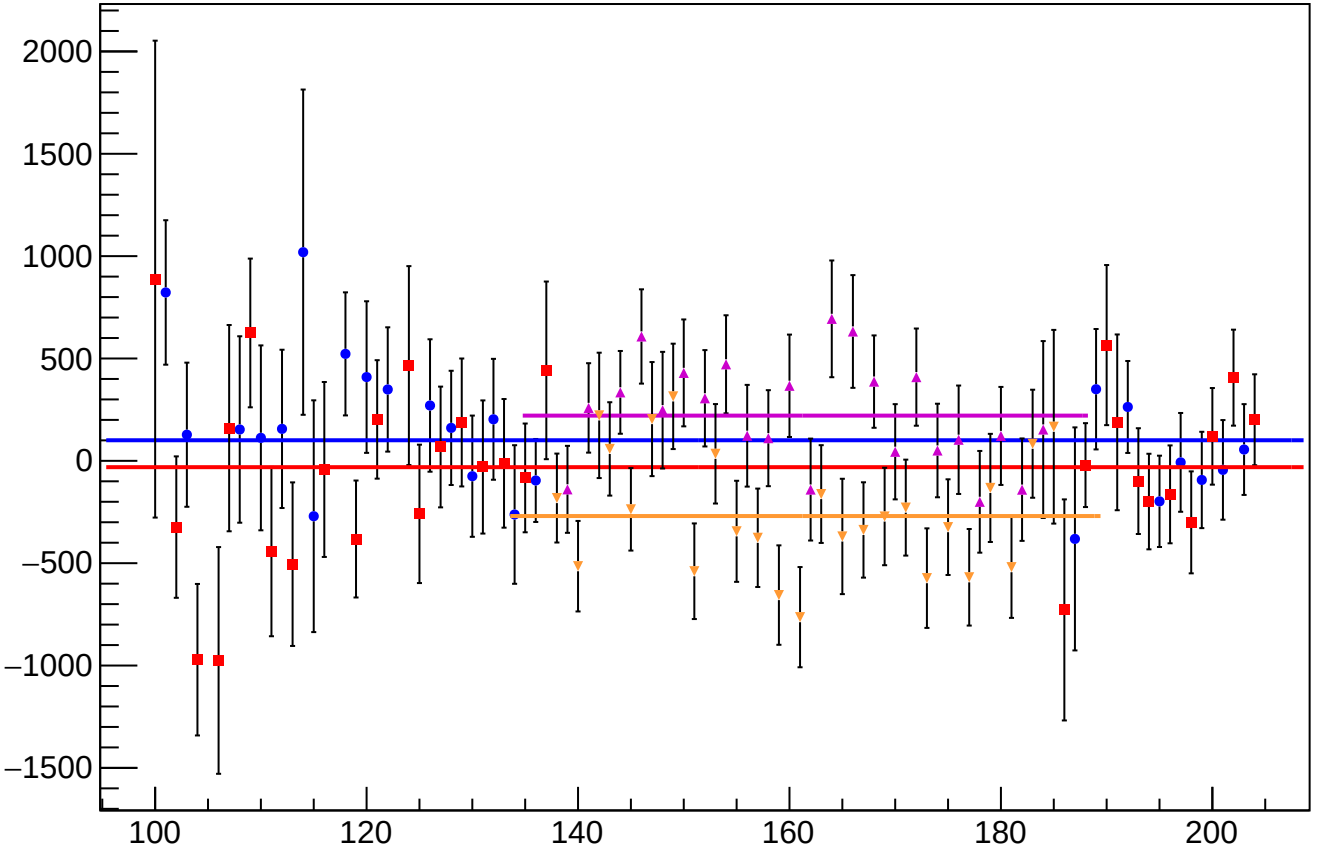
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1745.780+/-0.228 χ^2/NDF: 6135245.5/48

All: 1778.078+/-0.164 χ^2/NDF: 13973982.4/1

- sign 1812.419+/-0.235 χ^2/NDF: 7797256.3/52

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 100.542+/-60.628 χ^2/NDF: 17.3/23

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -30.938+/-56.858 χ^2/NDF: 33.3/29

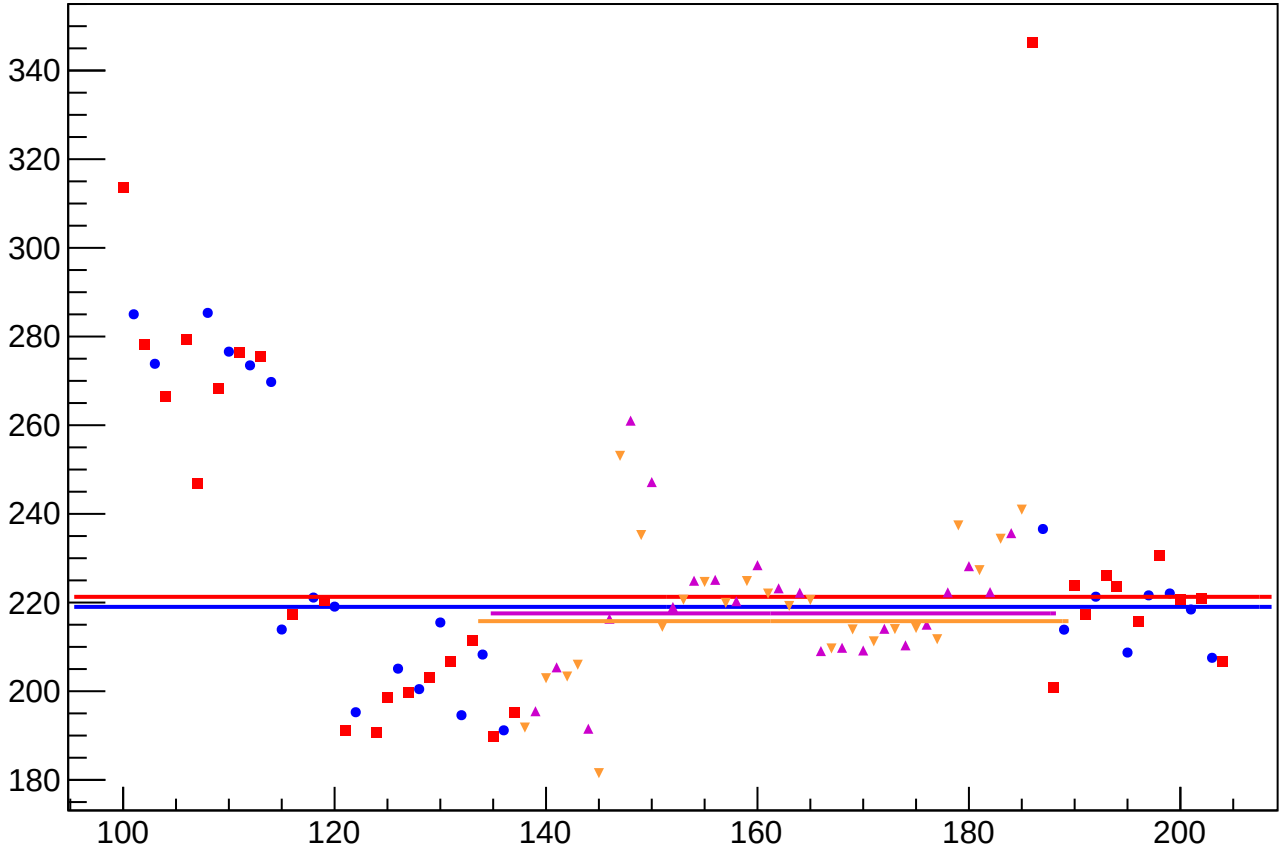
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -122.831+/-38.183 χ^2/NDF: 71.3/48

All: -6.325+/-26.916 χ^2/NDF: 157.3/101

- sign 108.742+/-37.947 χ^2/NDF: 67.5/52

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 219.024+/-0.043 χ^2/NDF: 333093.1/23

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

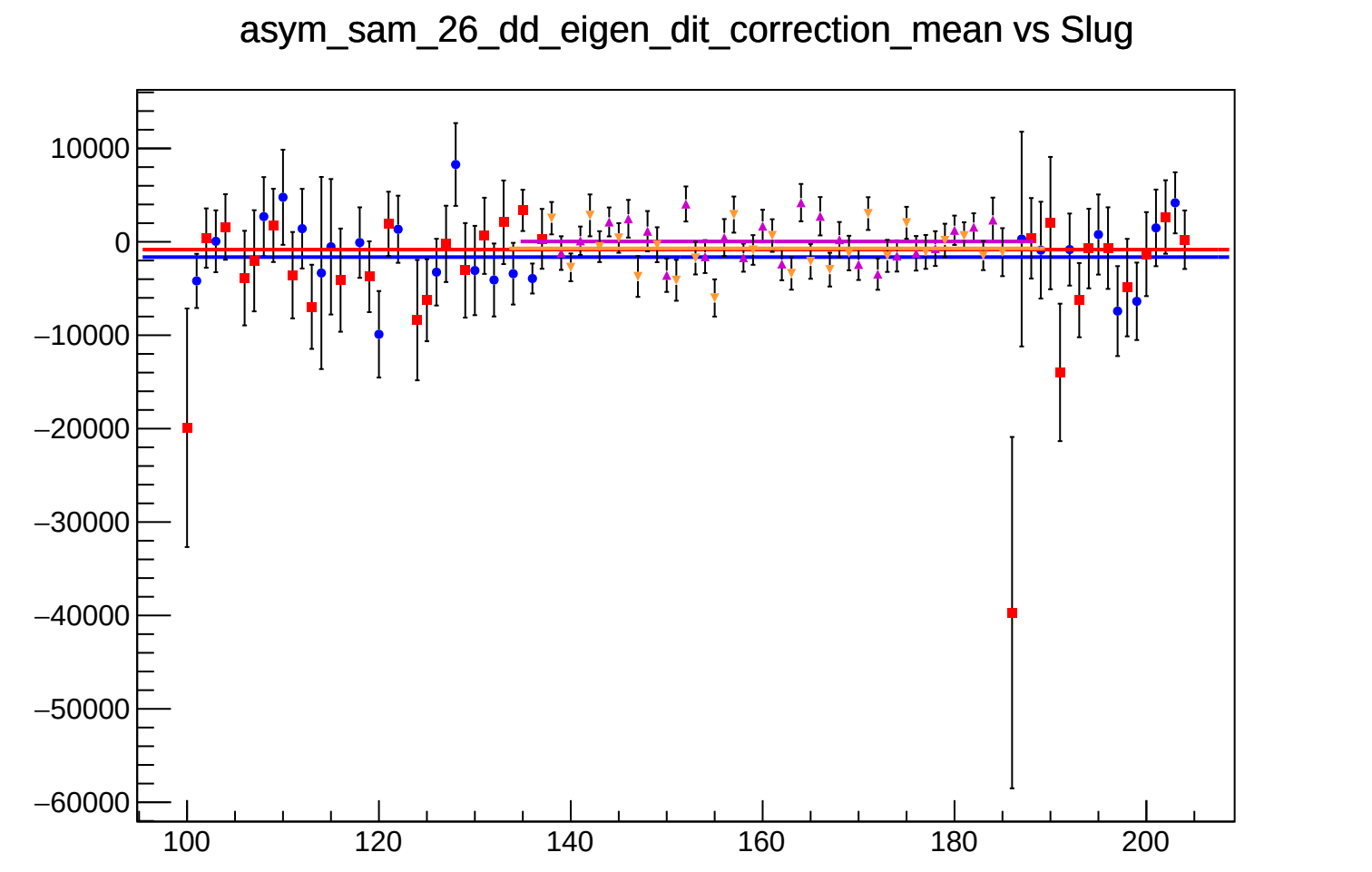
Right Out: 221.288+/-0.040 χ^2/NDF: 468493.7/29

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 217.083+/-0.027 χ^2/NDF: 525194.7/48

All: 218.157+/-0.019 χ^2/NDF: 1162685.6/101

- sign 219.218+/-0.027 χ^2/NDF: 634345.3/52



Right In: -1635.349+/-762.060 χ^2/NDF: 23.2/23

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -831.510+/-763.882 χ^2/NDF: 26.0/29

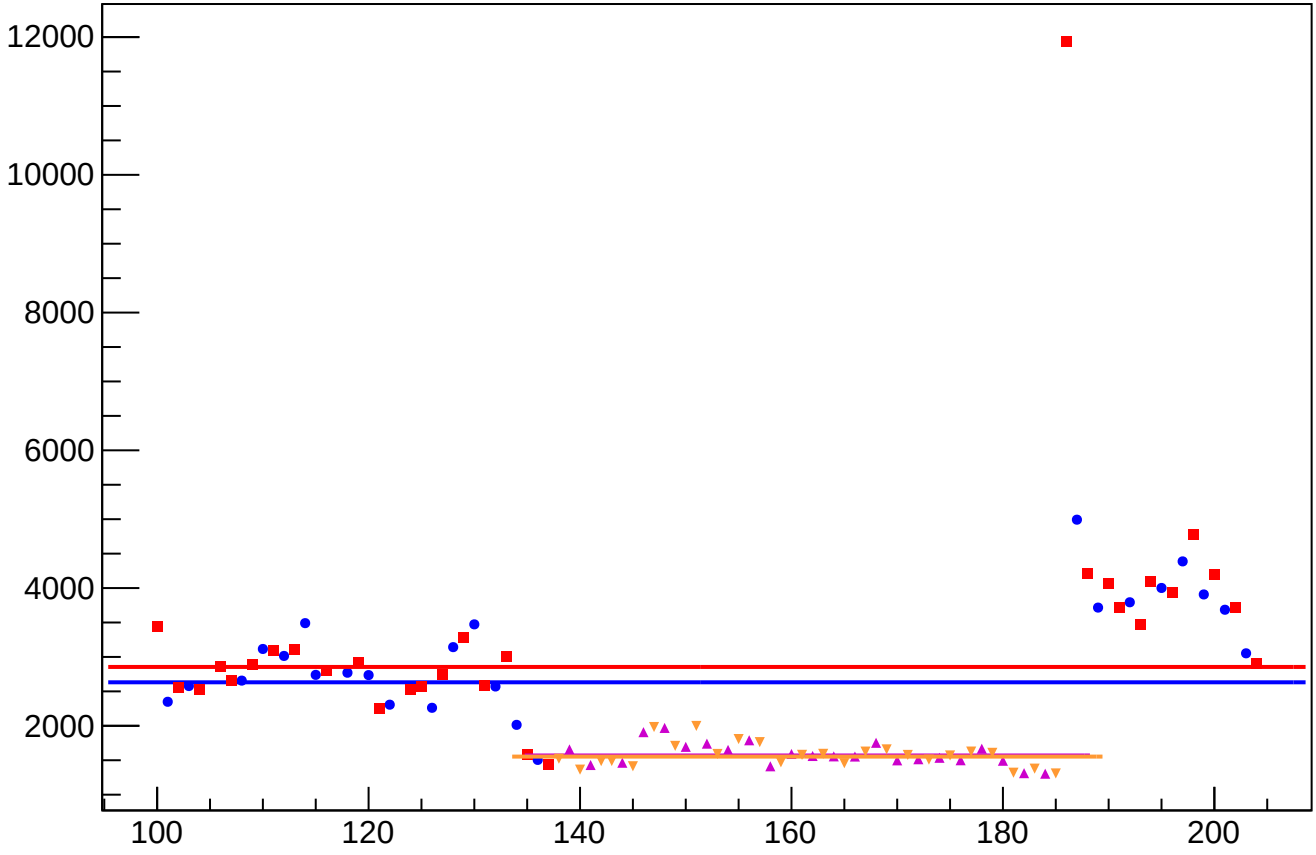
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -870.438+/-322.140 χ^2/NDF: 62.0/48

All: -509.181+/-231.253 χ^2/NDF: 126.0/101

- sign -125.074+/-332.172 χ^2/NDF: 61.4/52

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2631.733+/-0.539 χ^2/NDF: 2433985.7/23

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2854.661+/-0.540 χ^2/NDF: 2848389.7/29

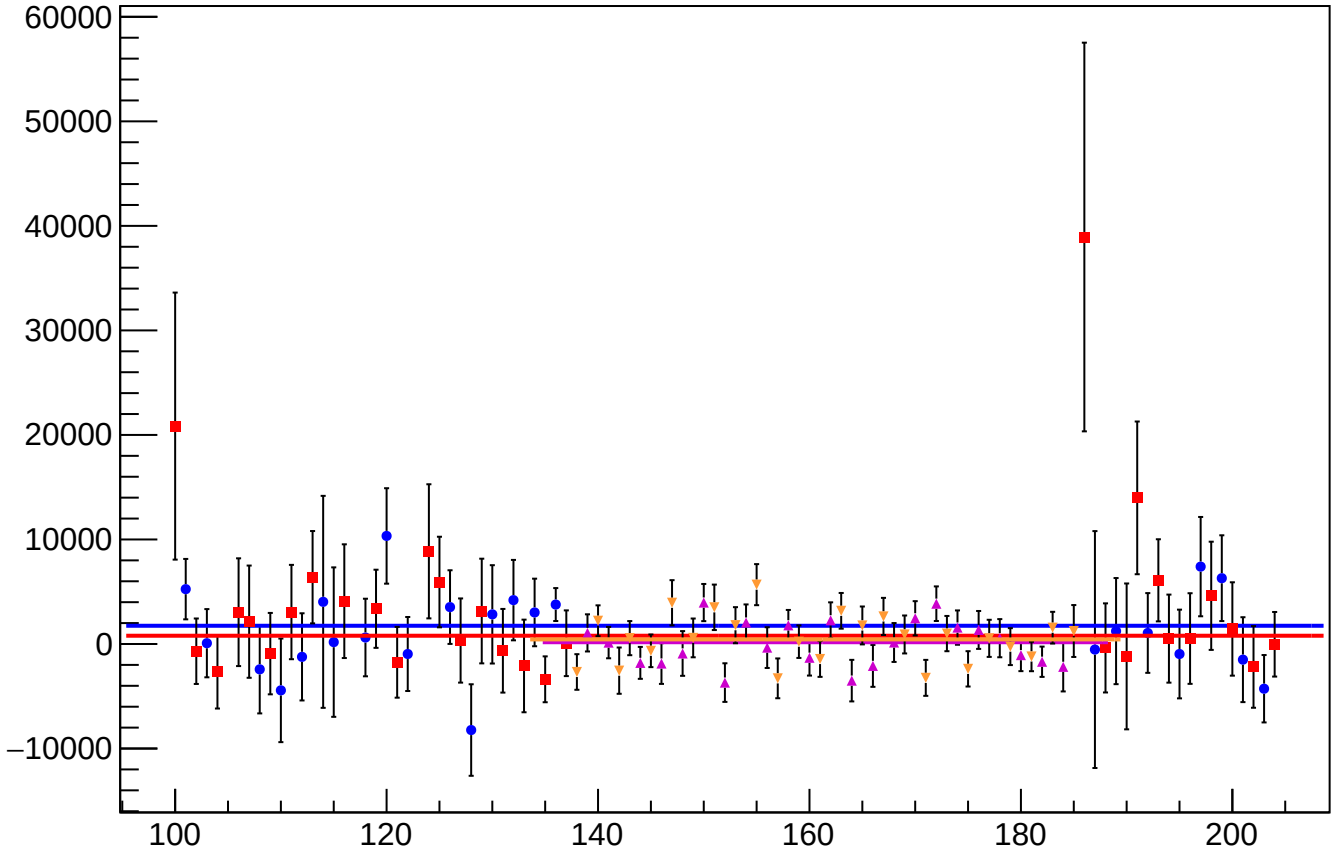
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1745.780+/-0.228 χ^2/NDF: 6135231.0/48

All: 1778.078+/-0.164 χ^2/NDF: 13973957.9/1

- sign 1812.419+/-0.235 χ^2/NDF: 7797246.8/52

asym_sam_26_dd_mean vs Slug



Right In: 1744.125+/-750.966 χ^2/NDF: 24.1/23

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 790.504+/-755.511 χ^2/NDF: 25.5/29

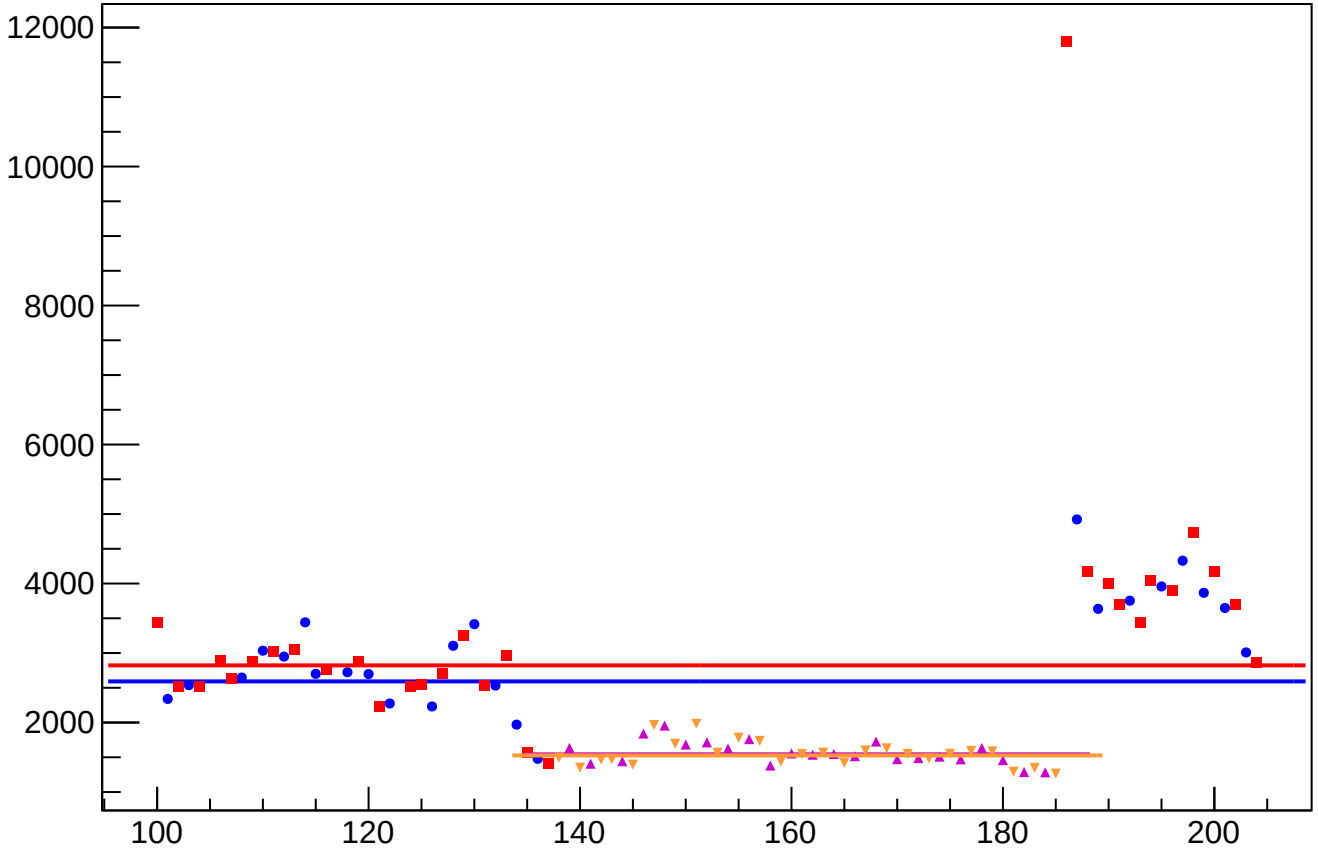
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 670.233+/-316.925 χ^2/NDF: 65.4/48

All: 484.048+/-227.532 χ^2/NDF: 125.2/101

- sign 286.003+/-326.863 χ^2/NDF: 59.1/52

asym_sam_26_dd_rms vs Slug



Right In: 2591.793+/-0.531 χ^2/NDF: 2455615.2/23

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2822.428+/-0.534 χ^2/NDF: 2858256.2/29

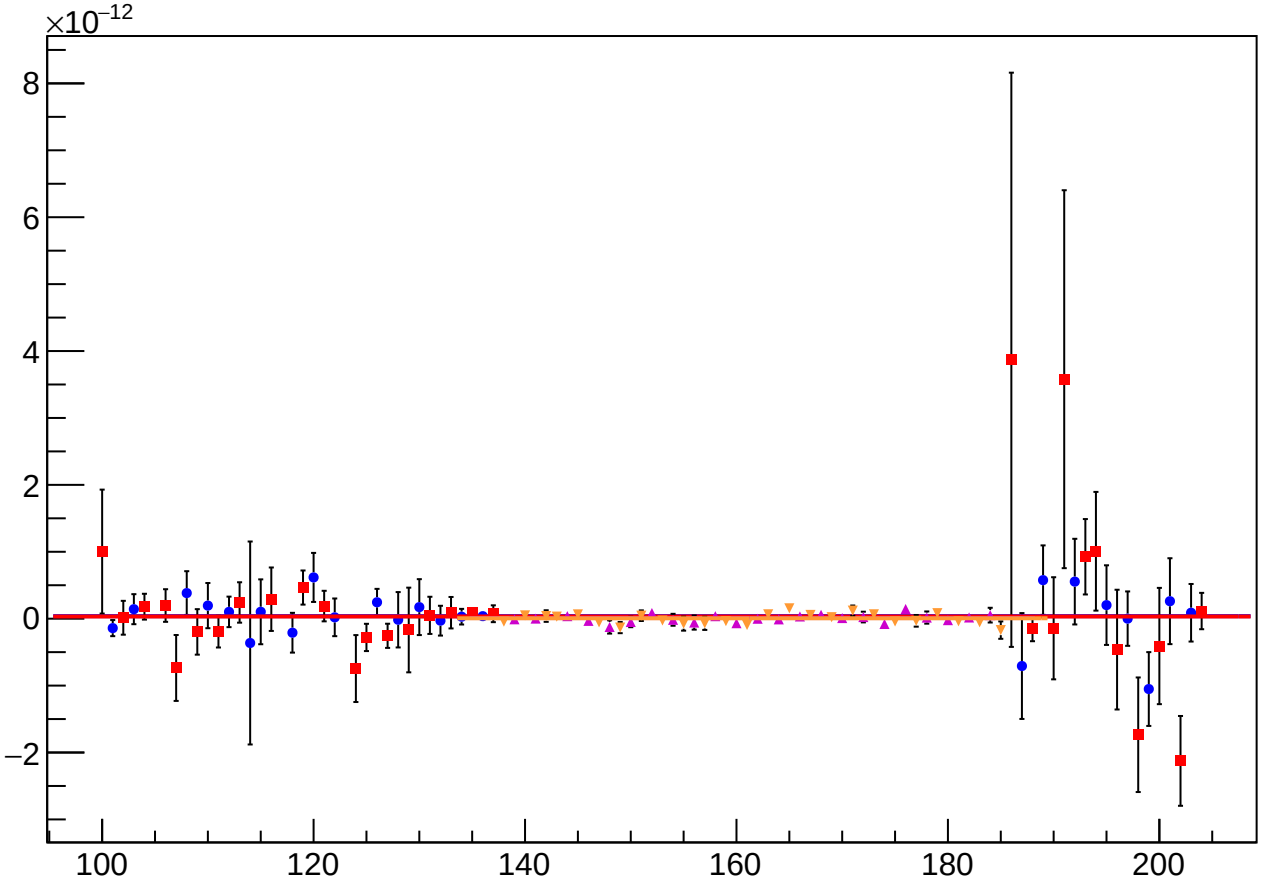
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1716.418+/-0.224 χ^2/NDF: 6191522.2/48

All: 1748.138+/-0.161 χ^2/NDF: 14120832.2/1

- sign 1781.879+/-0.231 χ^2/NDF: 7887964.4/52

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.7/29

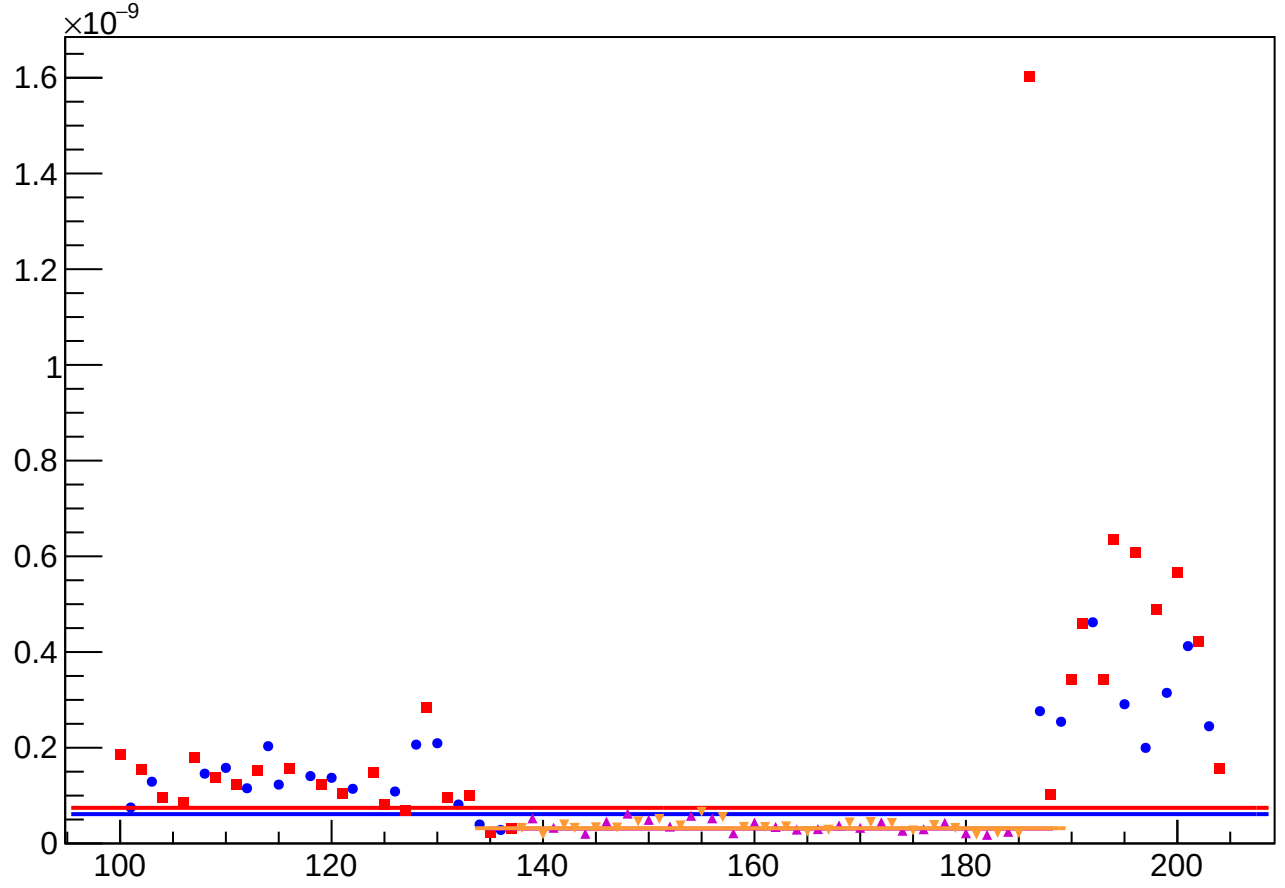
Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.6/48

All: 0.000+/-0.000 χ^2/NDF: 104.6/101

- sign 0.000+/-0.000 χ^2/NDF: 58.0/52

asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5802964.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6967034.2/29

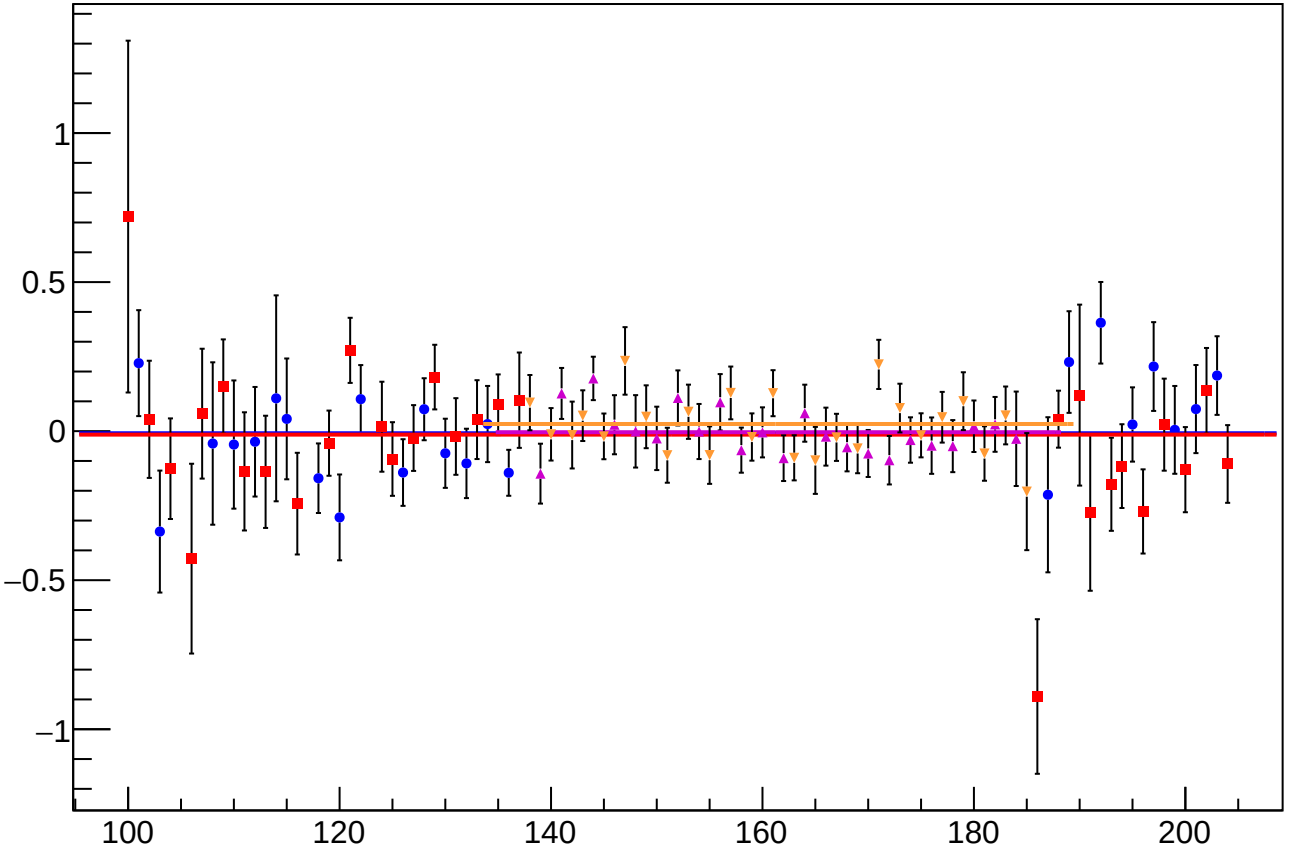
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8252232.6/48

All: 0.000+/-0.000 χ^2/NDF: 18836093.1/101

- sign 0.000+/-0.000 χ^2/NDF: 10583655.9/52

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.028 χ^2/NDF: 31.9/23

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.012+/-0.027 χ^2/NDF: 40.0/29

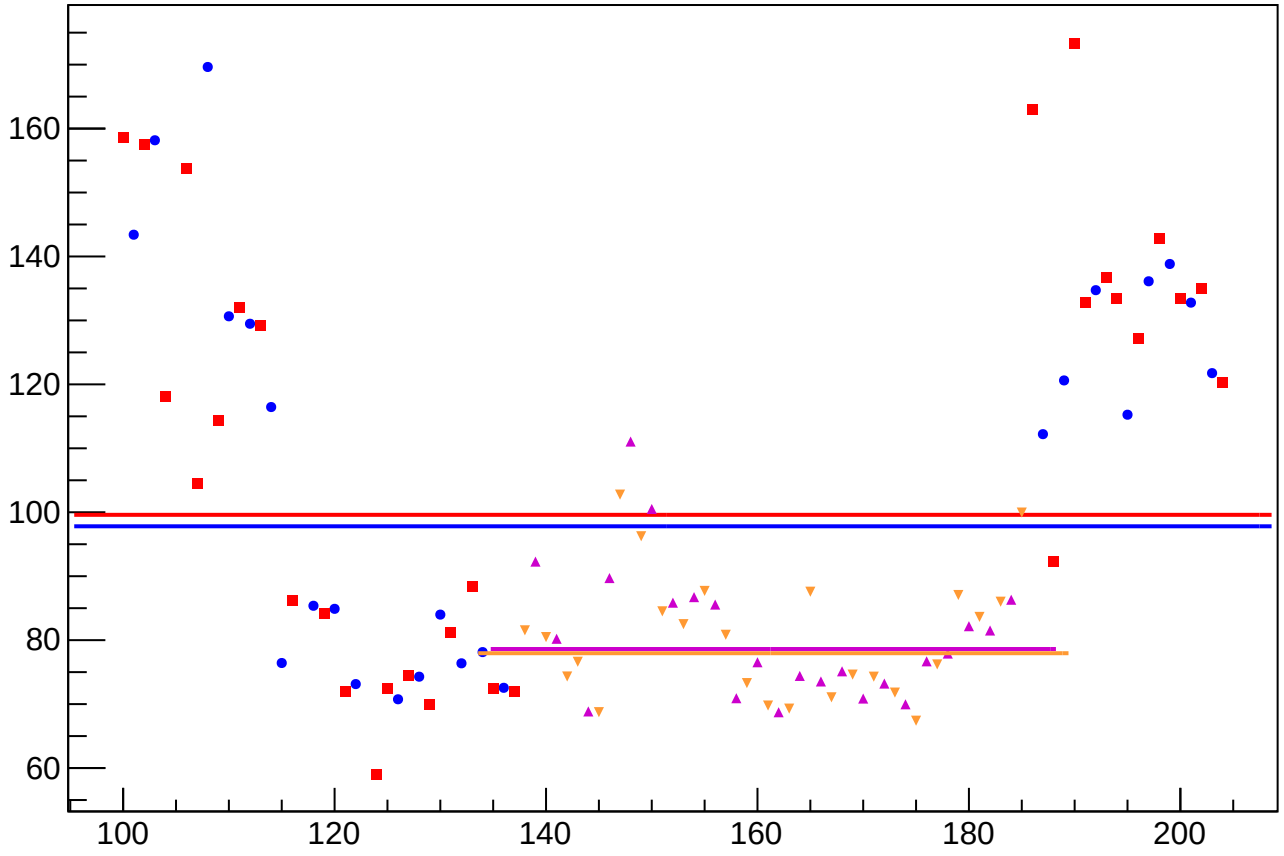
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.015+/-0.015 χ^2/NDF: 58.3/48

All: 0.005+/-0.011 χ^2/NDF: 118.2/101

- sign -0.006+/-0.015 χ^2/NDF: 58.9/52

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 97.805+/-0.020 χ^2/NDF: 1980843.6/23

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

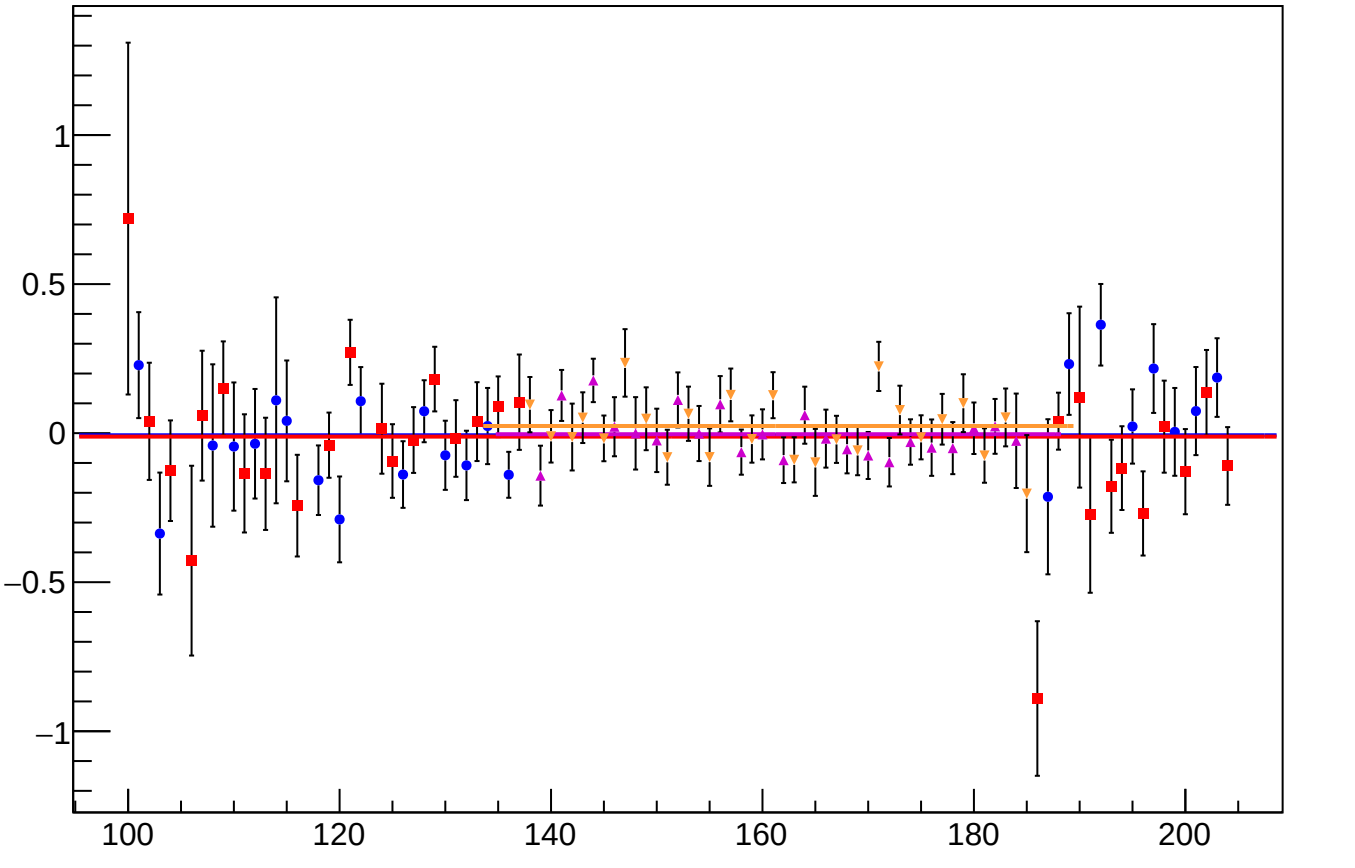
Right Out: 99.599+/-0.019 χ^2/NDF: 2354767.7/29

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 83.655+/-0.011 χ^2/NDF: 3129912.8/48

All: 84.557+/-0.008 χ^2/NDF: 6832579.7/101

- sign 85.478+/-0.011 χ^2/NDF: 3688198.6/52



Right In: -0.007+/-0.028 χ^2/NDF: 31.9/23

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

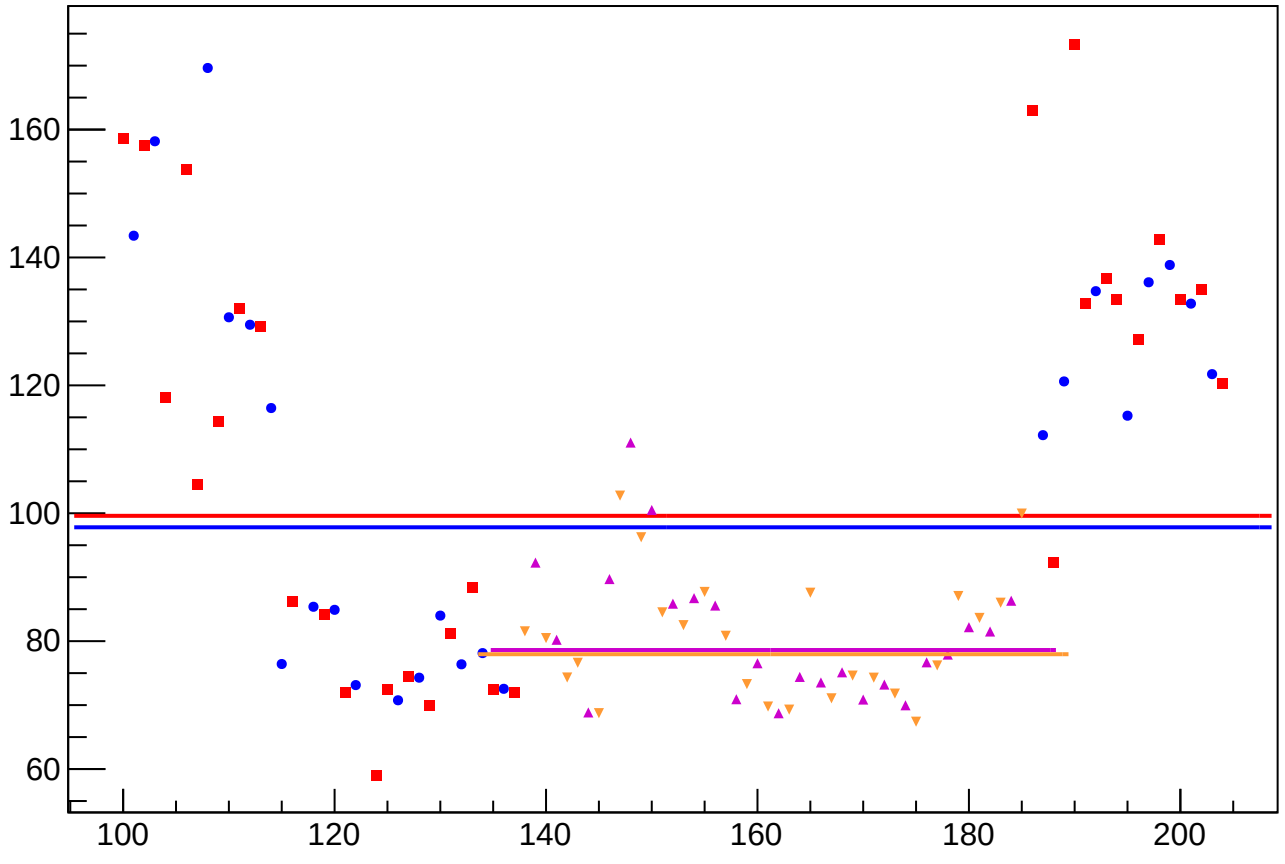
Right Out: -0.012+/-0.027 χ^2/NDF: 40.0/29

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.015+/-0.015 χ^2/NDF: 58.3/48

All: 0.005+/-0.011 χ^2/NDF: 118.2/101

- sign -0.006+/-0.015 χ^2/NDF: 58.9/52



Right In: 97.805+/-0.020 χ^2/NDF: 1980843.6/23

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

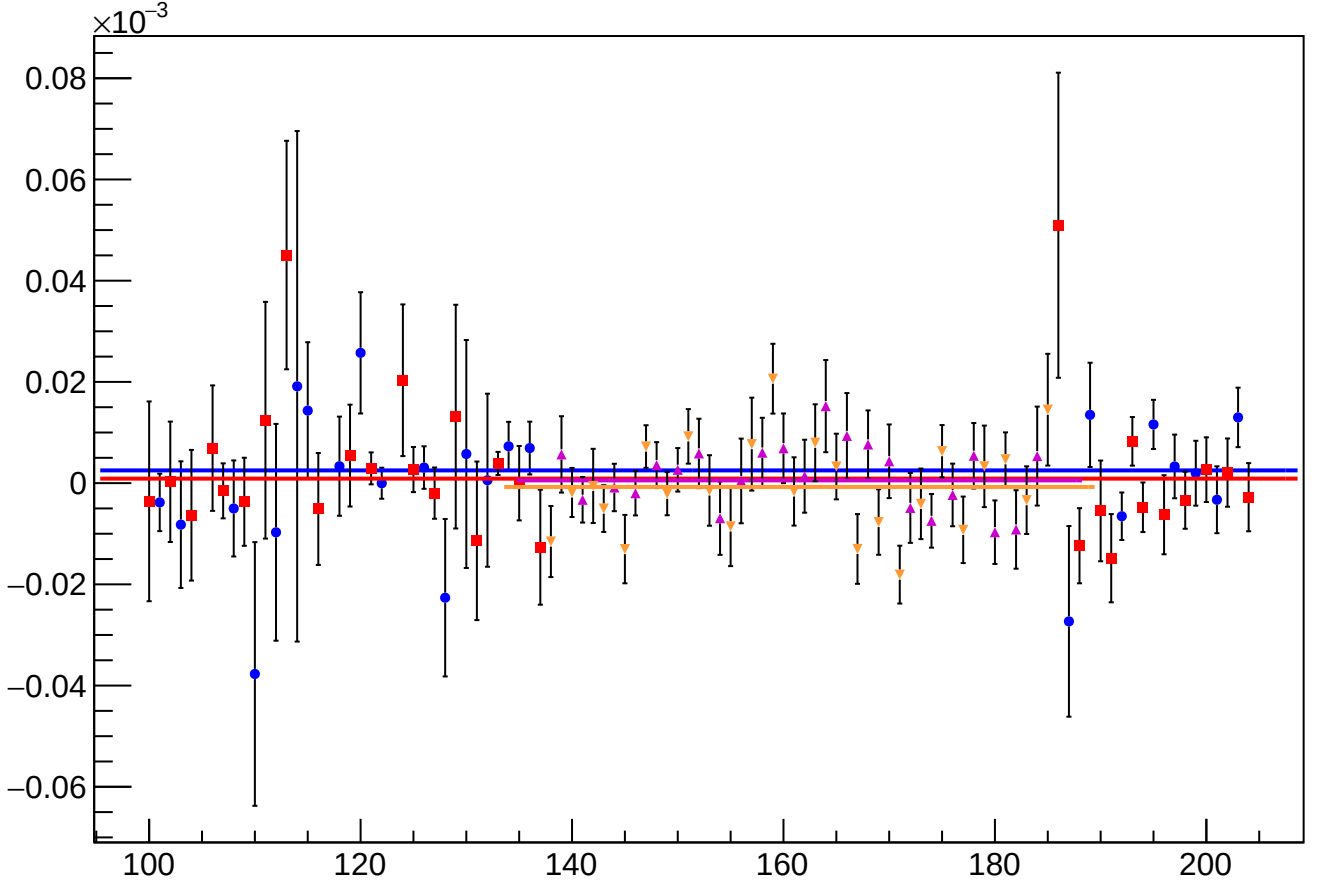
Right Out: 99.599+/-0.019 χ^2/NDF: 2354767.7/29

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 83.655+/-0.011 χ^2/NDF: 3129912.8/48

All: 84.557+/-0.008 χ^2/NDF: 6832579.7/101

- sign 85.478+/-0.011 χ^2/NDF: 3688198.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/29

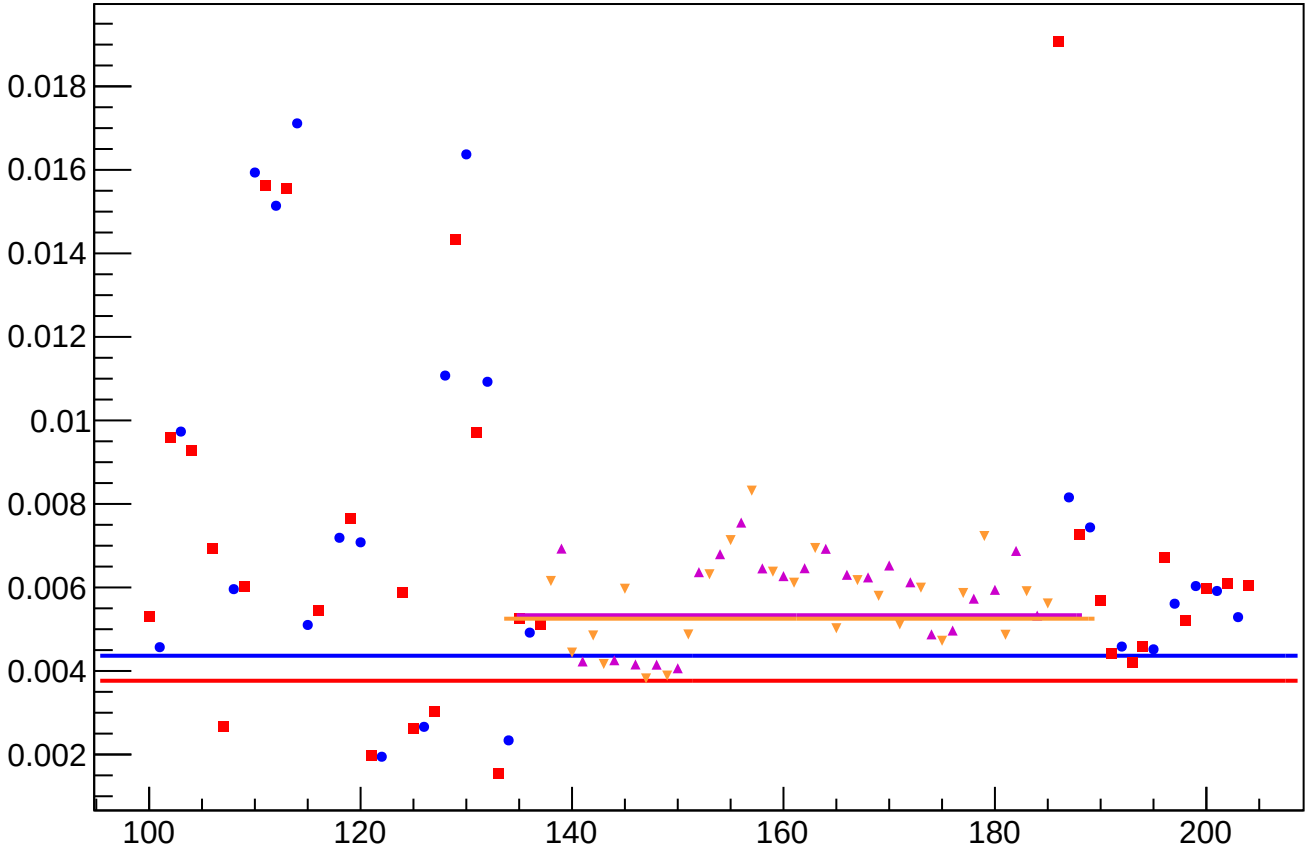
Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 80.5/48

All: 0.000+/-0.000 χ^2/NDF: 126.6/101

- sign 0.000+/-0.000 χ^2/NDF: 46.1/52

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 5555230.1/23

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

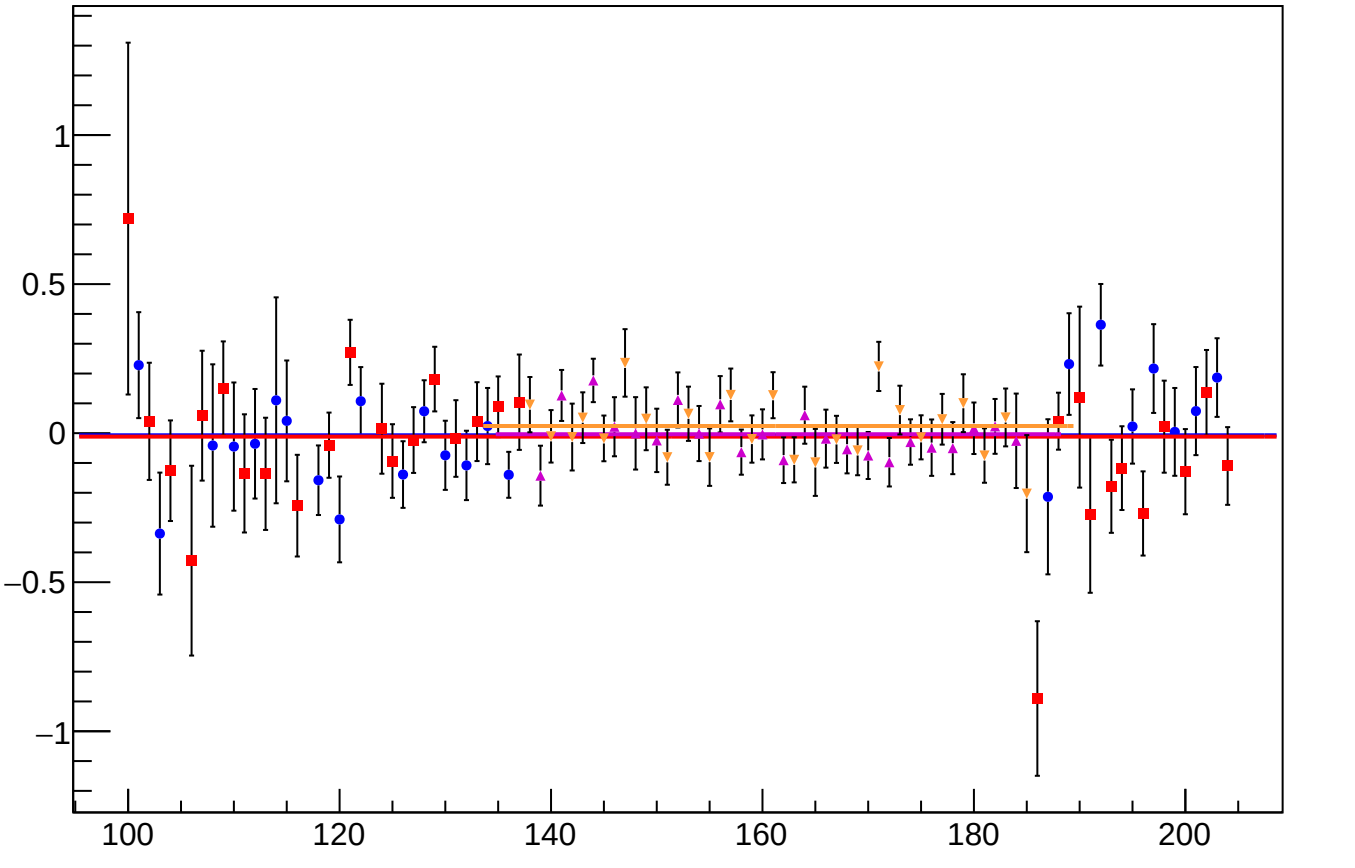
Right Out: 0.004+/-0.000 χ^2/NDF: 8447287.9/29

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 7531617.9/48

All: 0.005+/-0.000 χ^2/NDF: 19340334.8/101

- sign 0.004+/-0.000 χ^2/NDF: 11613179.1/52



Right In: -0.007+/-0.028 χ^2/NDF: 31.9/23

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

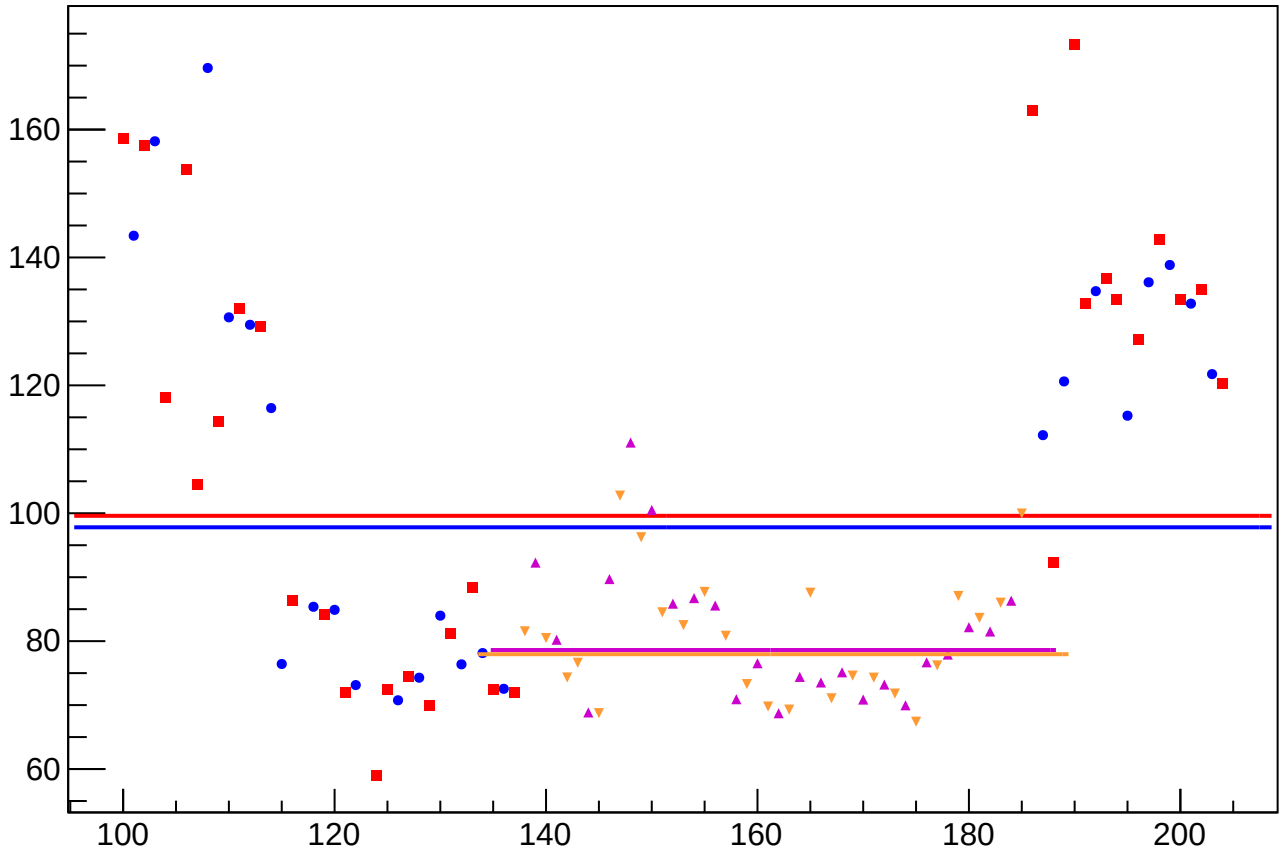
Right Out: -0.012+/-0.027 χ^2/NDF: 40.0/29

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.015+/-0.015 χ^2/NDF: 58.3/48

All: 0.005+/-0.011 χ^2/NDF: 118.2/101

- sign -0.006+/-0.015 χ^2/NDF: 58.9/52



Right In: 97.803+/-0.020 χ^2/NDF: 1980942.9/23

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

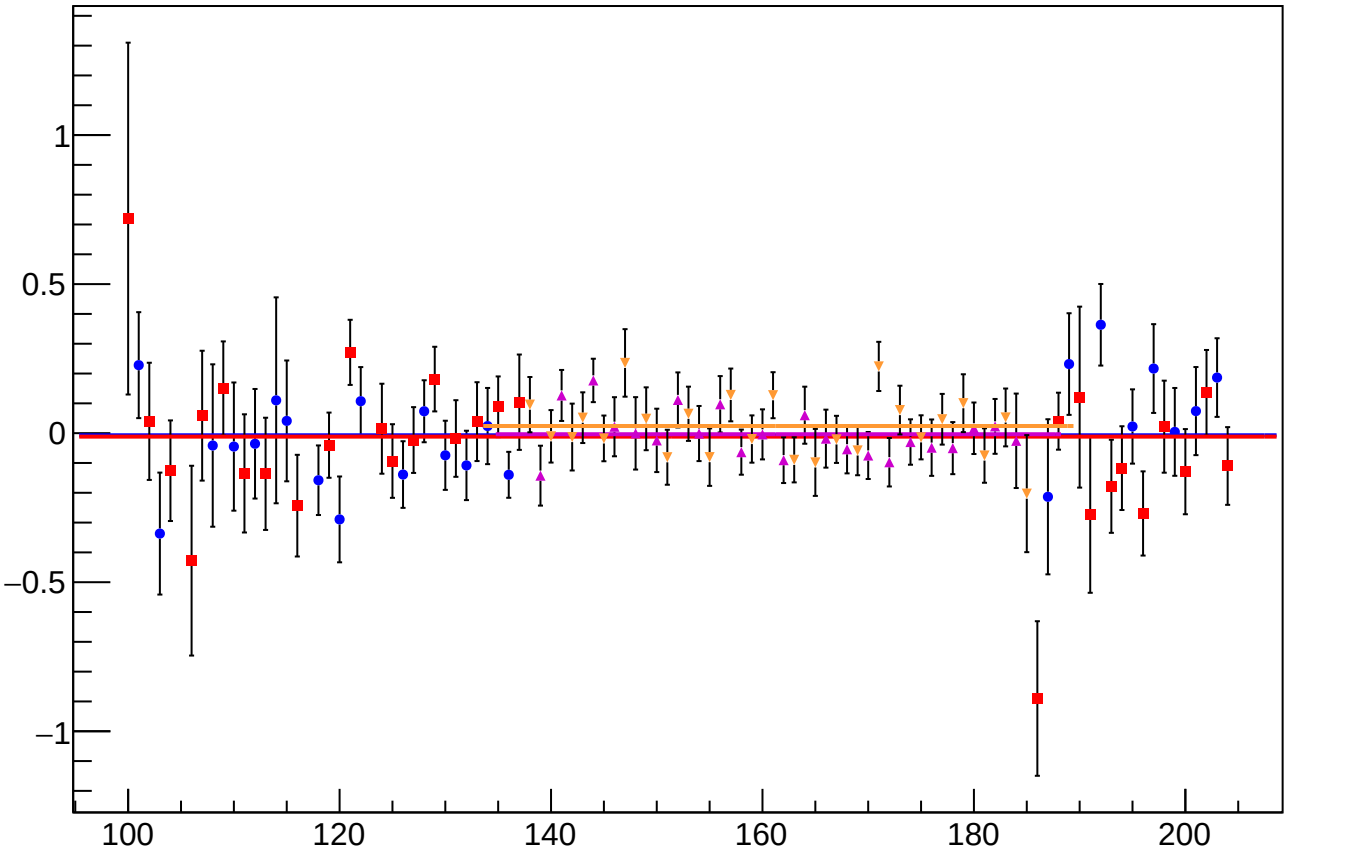
Right Out: 99.597+/-0.019 χ^2/NDF: 2354862.9/29

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 83.654+/-0.011 χ^2/NDF: 3129942.9/48

All: 84.556+/-0.008 χ^2/NDF: 6832667.1/101

- sign 85.477+/-0.011 χ^2/NDF: 3688258.7/52



Right In: -0.007+/-0.028 χ^2/NDF: 31.9/23

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

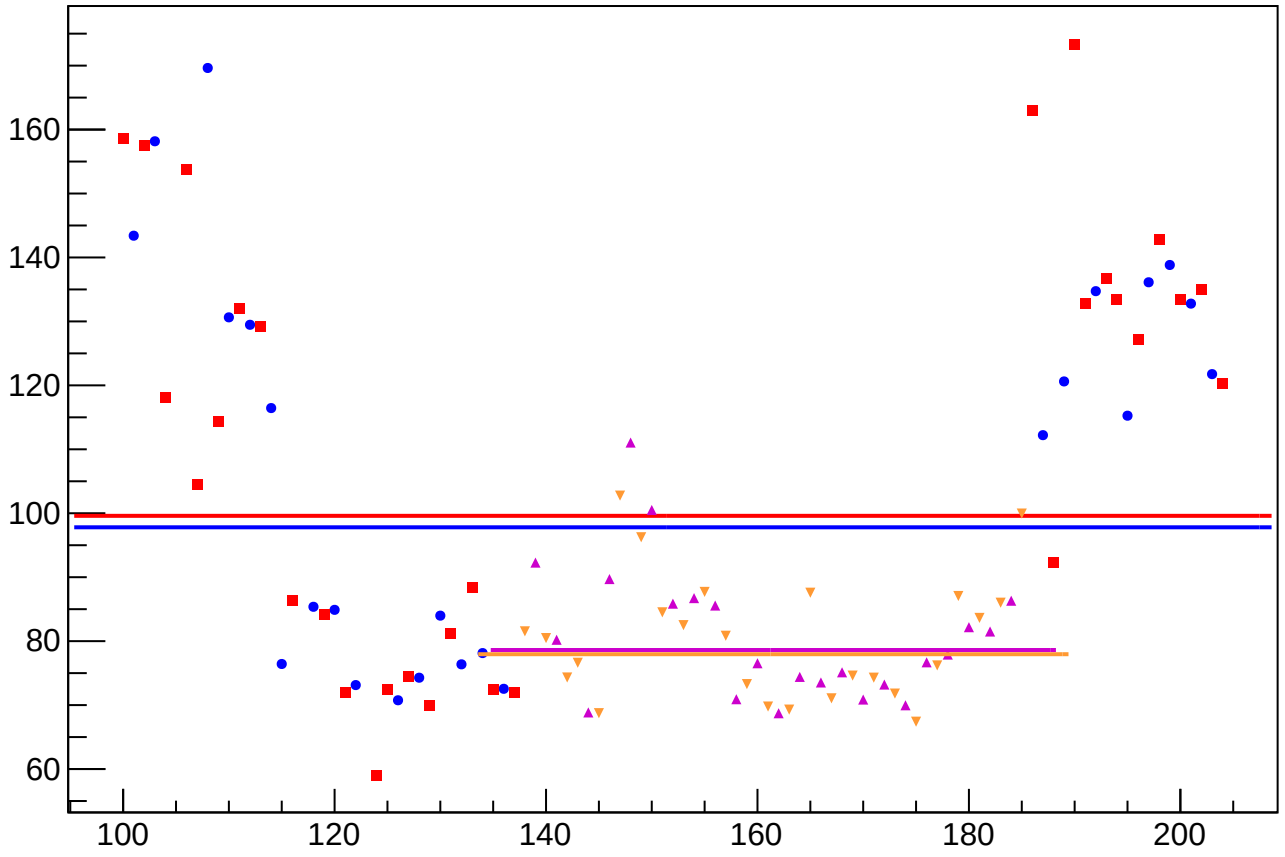
Right Out: -0.012+/-0.027 χ^2/NDF: 40.0/29

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.015+/-0.015 χ^2/NDF: 58.3/48

All: 0.005+/-0.011 χ^2/NDF: 118.2/101

- sign -0.006+/-0.015 χ^2/NDF: 58.9/52



Right In: 97.803+/-0.020 χ^2/NDF: 1980942.9/23

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

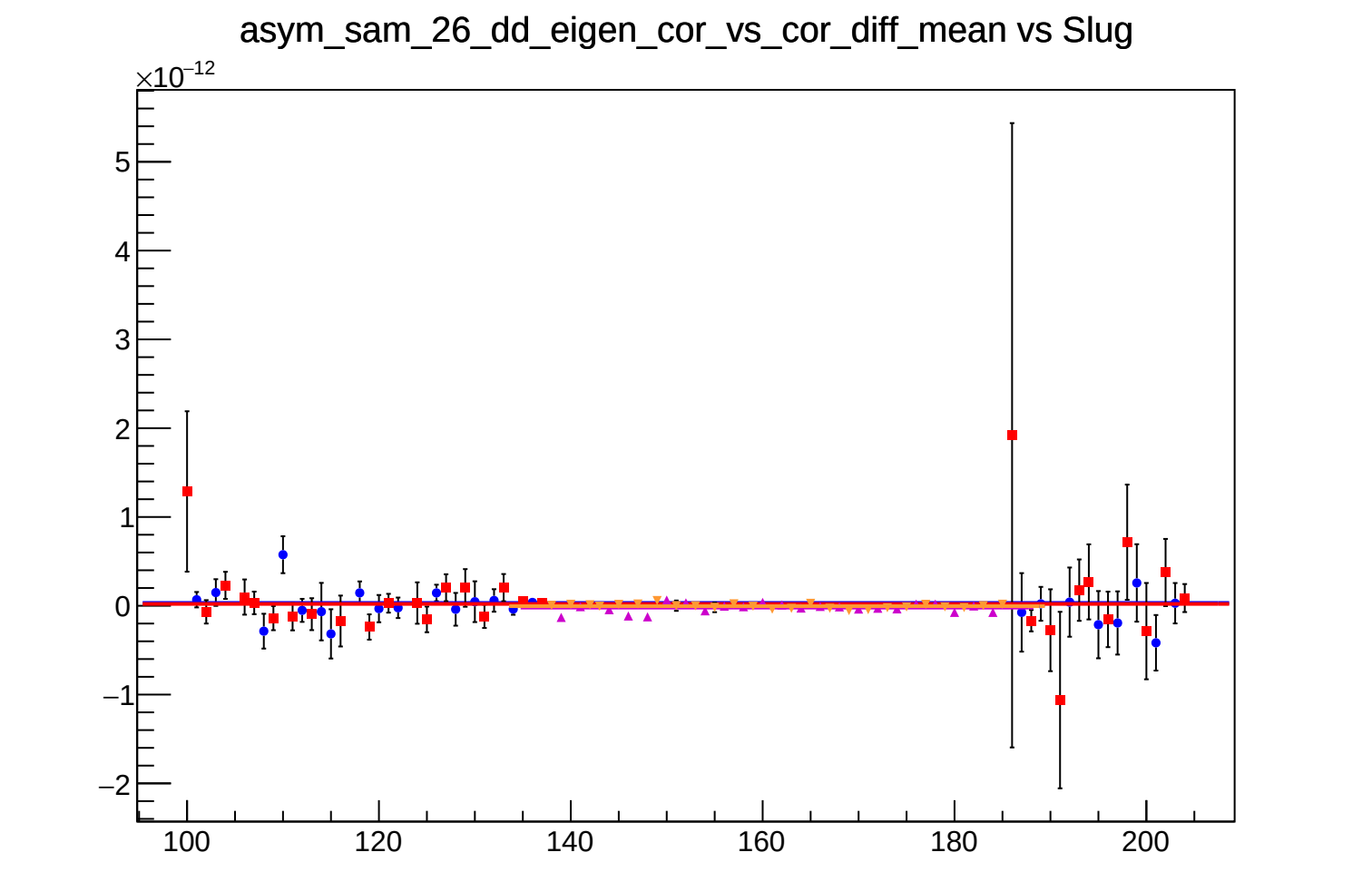
Right Out: 99.597+/-0.019 χ^2/NDF: 2354862.9/29

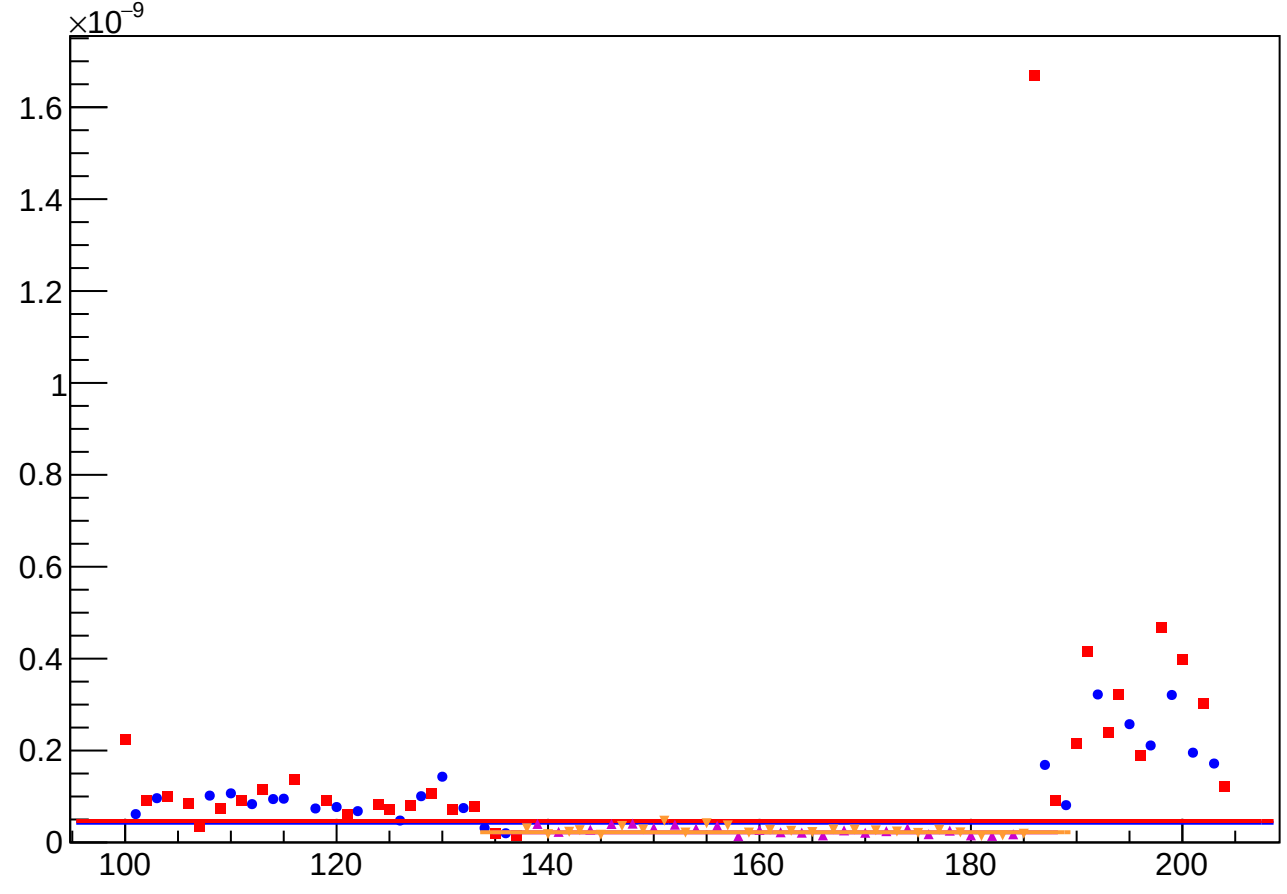
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 83.654+/-0.011 χ^2/NDF: 3129942.9/48

All: 84.556+/-0.008 χ^2/NDF: 6832667.1/101

- sign 85.477+/-0.011 χ^2/NDF: 3688258.7/52


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: 19.6/23
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.6/29
Left In: -0.000+/-0.000 χ²/NDF:40.1/22
+ sign -0.000+/-0.000 χ²/NDF: 35.7/48
All: -0.000+/-0.000 χ²/NDF: 108.5/101
- sign -0.000+/-0.000 χ²/NDF: 69.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 7863587.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10580433.9/29

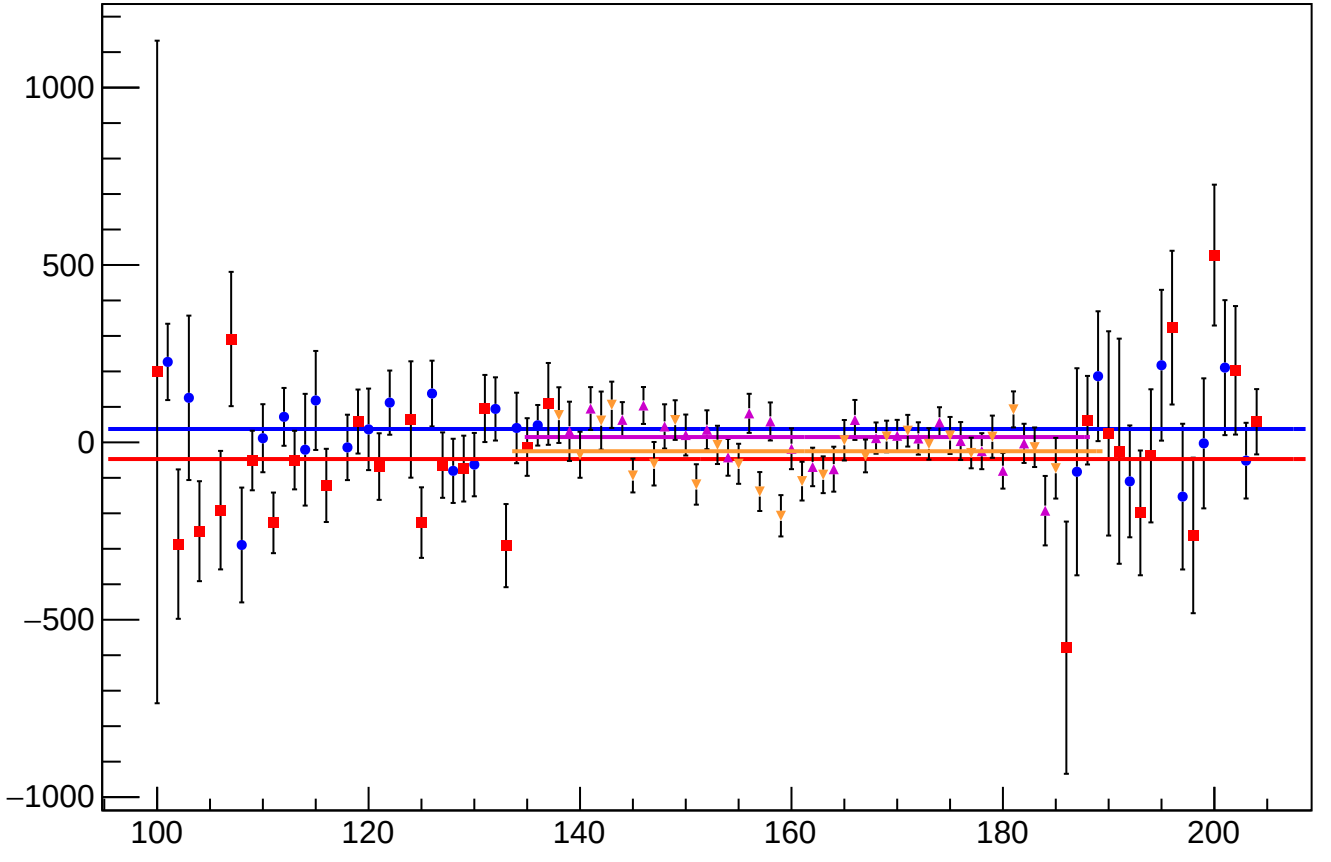
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12073067.8/48

All: 0.000+/-0.000 χ^2/NDF: 27897184.2/101

- sign 0.000+/-0.000 χ^2/NDF: 15824070.9/52

reg_asym_sam_37_dd_mean vs Slug



Right In: 37.695+/-22.476 χ^2/NDF: 18.5/23

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -47.017+/-22.097 χ^2/NDF: 45.5/29

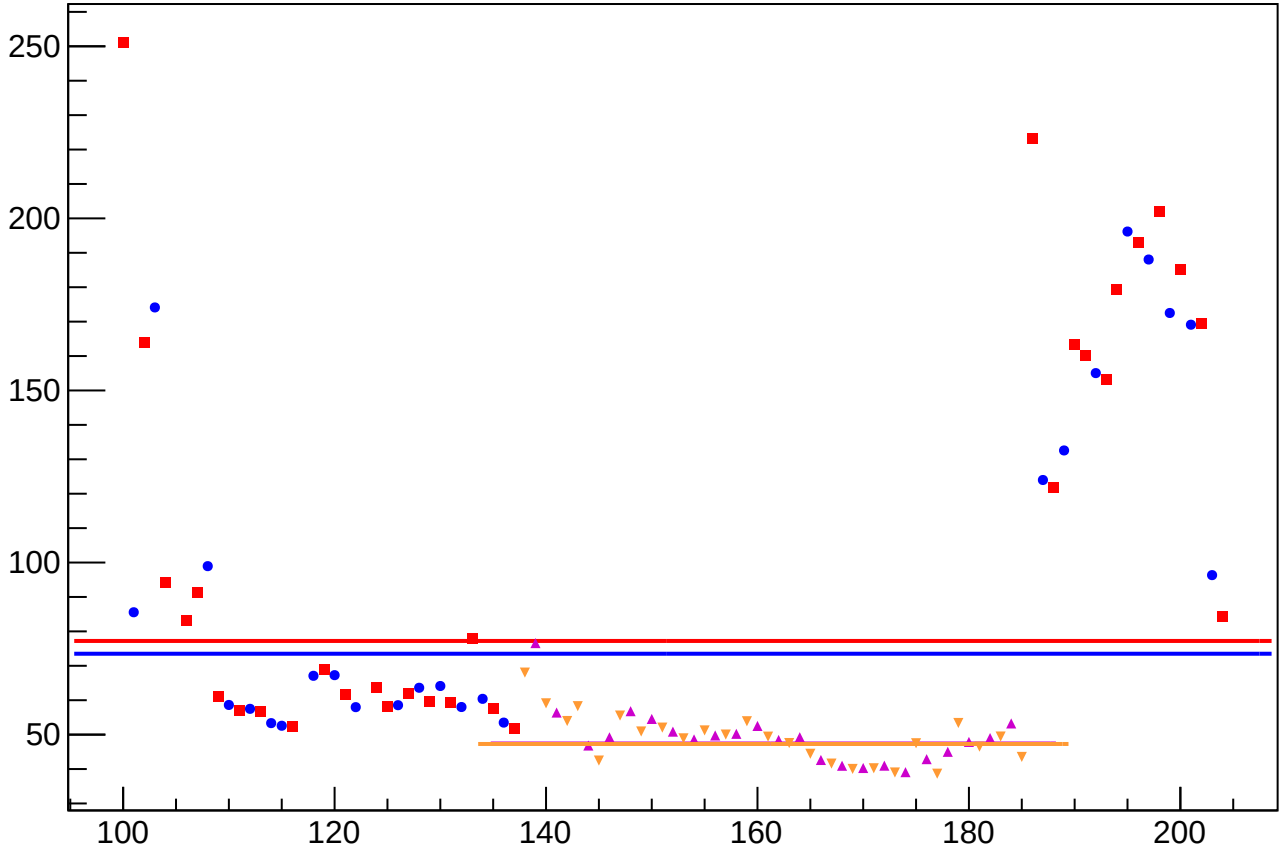
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.075+/-9.798 χ^2/NDF: 67.8/48

All: -5.552+/-7.000 χ^2/NDF: 145.5/101

- sign 2.287+/-10.003 χ^2/NDF: 76.5/52

reg_asym_sam_37_dd_rms vs Slug



Right In: 73.503+/-0.016 χ^2/NDF: 4439224.3/23

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 77.218+/-0.016 χ^2/NDF: 5658208.0/29

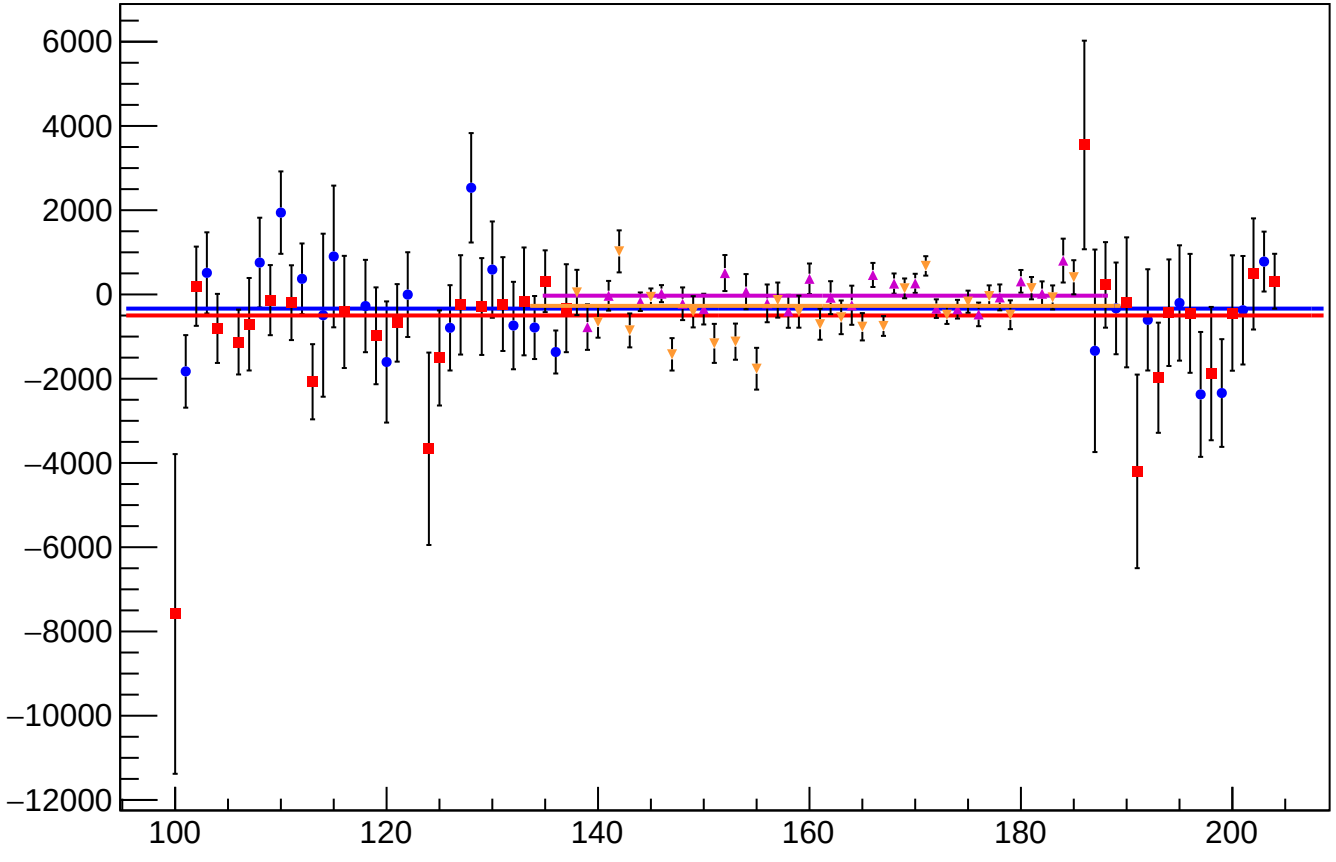
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 52.267+/-0.007 χ^2/NDF: 7360856.9/48

All: 52.885+/-0.005 χ^2/NDF: 16581766.6/101

- sign 53.530+/-0.007 χ^2/NDF: 9204629.5/52

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -335.933+/-206.400 χ^2/NDF: 29.8/23

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -498.869+/-197.494 χ^2/NDF: 22.7/29

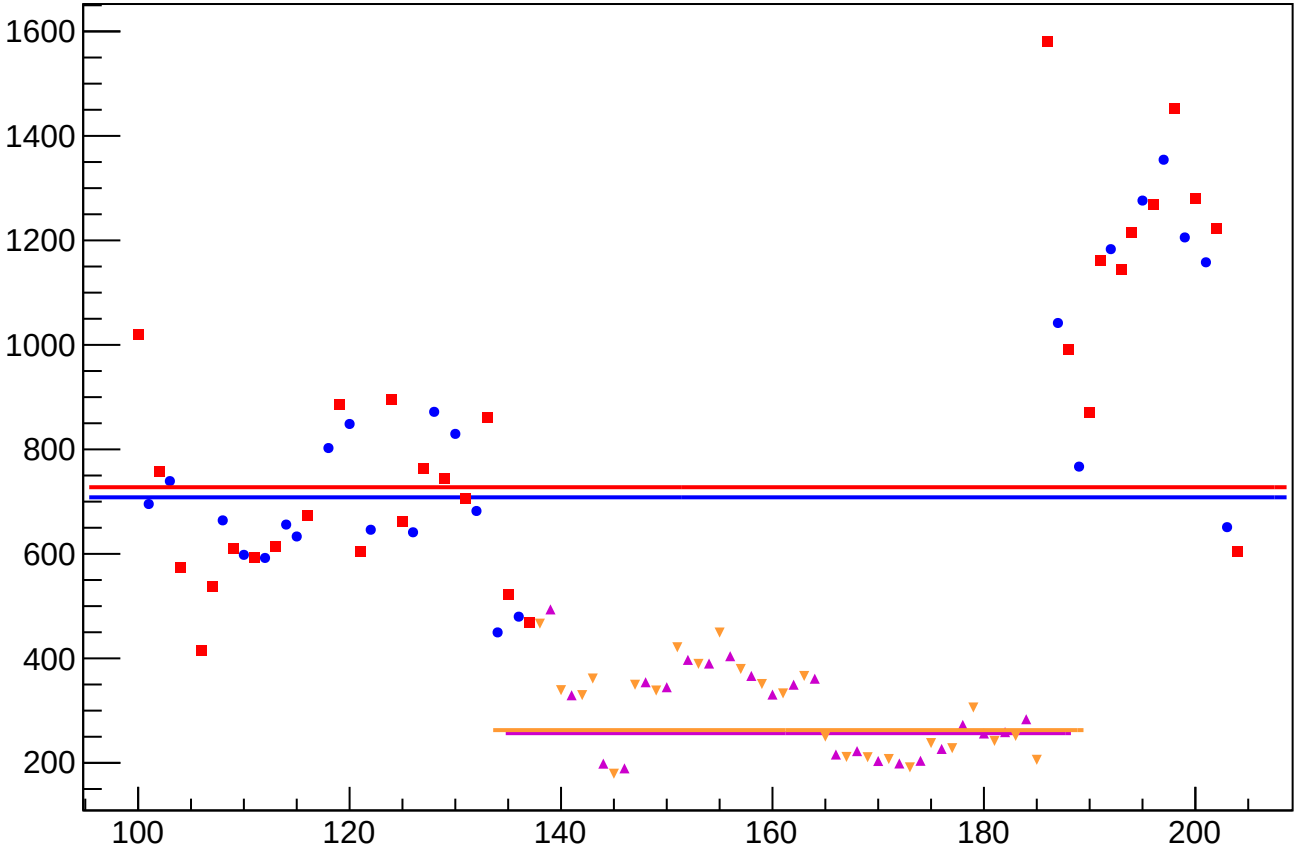
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -276.458+/-59.683 χ^2/NDF: 103.7/48

All: -174.403+/-42.221 χ^2/NDF: 161.8/101

- sign -72.168+/-59.735 χ^2/NDF: 52.2/52

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 708.257+/-0.146 χ^2/NDF: 2460736.4/23

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 727.594+/-0.140 χ^2/NDF: 3344649.2/29

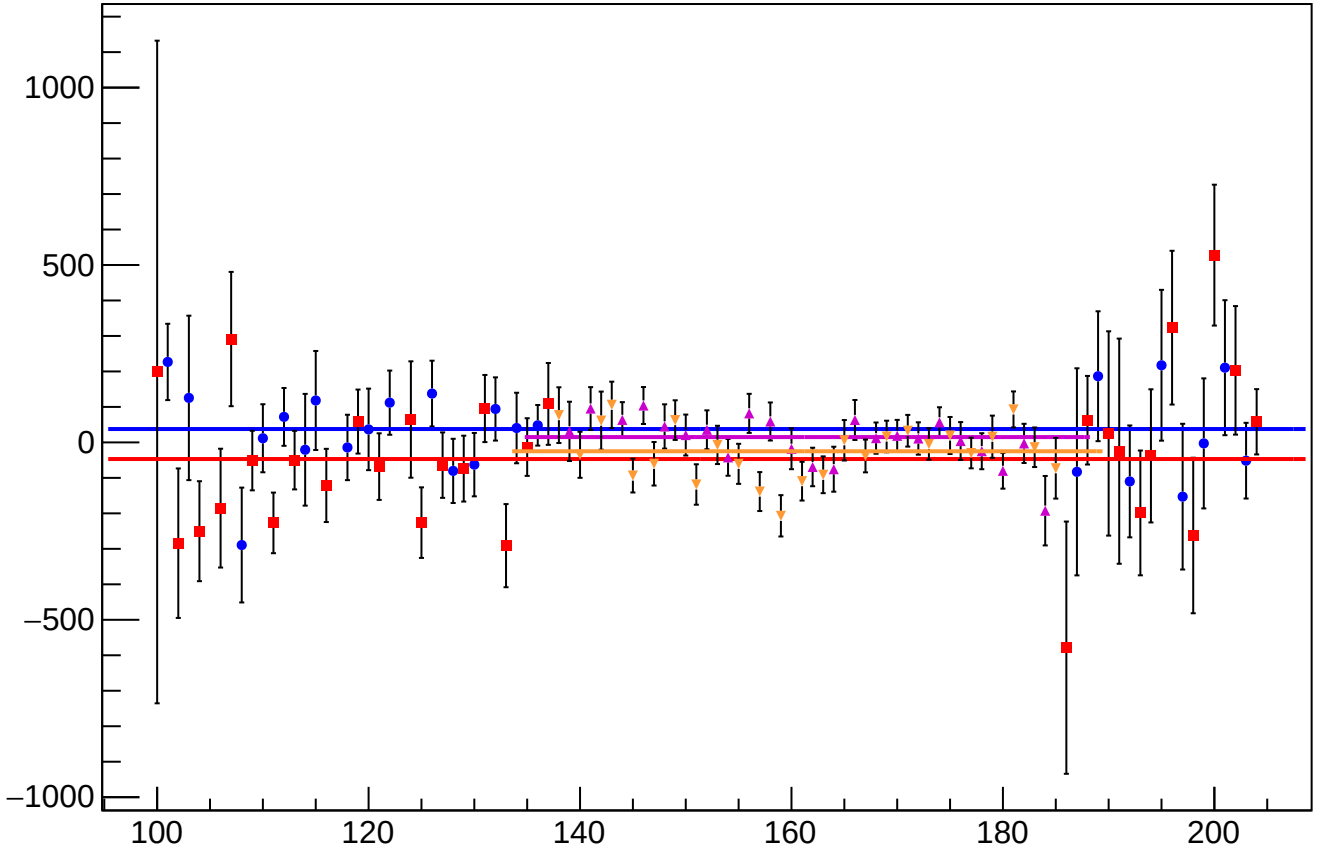
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 299.935+/-0.042 χ^2/NDF: 13895563.6/48

All: 299.922+/-0.030 χ^2/NDF: 30203207.0/10

- sign 299.909+/-0.042 χ^2/NDF: 16307643.1/52

cor_asym_sam_37_dd_mean vs Slug



Right In: 37.689+/-22.476 χ^2/NDF: 18.5/23

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -46.867+/-22.098 χ^2/NDF: 45.4/29

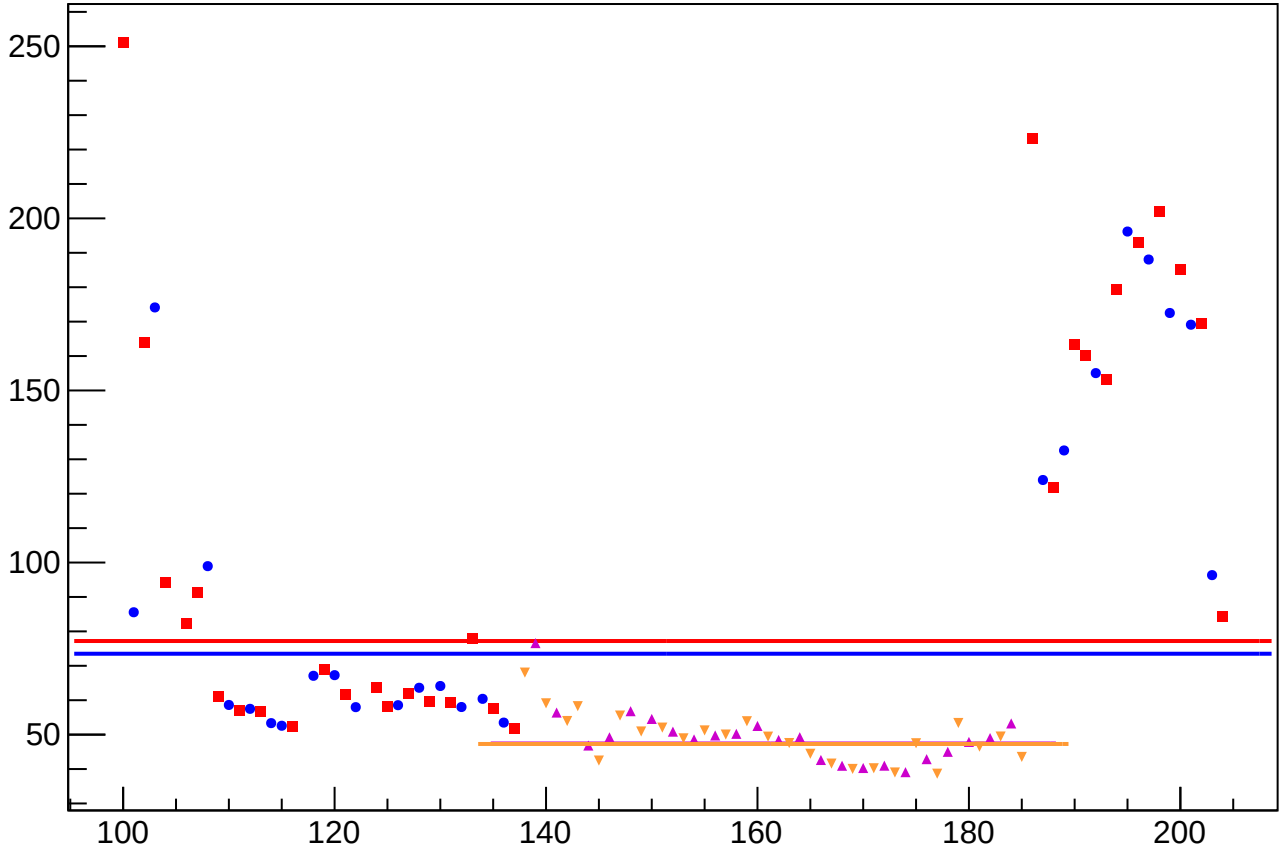
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.073+/-9.798 χ^2/NDF: 67.8/48

All: -5.537+/-7.000 χ^2/NDF: 145.4/101

- sign 2.318+/-10.003 χ^2/NDF: 76.4/52

cor_asym_sam_37_dd_rms vs Slug



Right In: 73.503+/-0.016 χ^2/NDF: 4439226.7/23

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

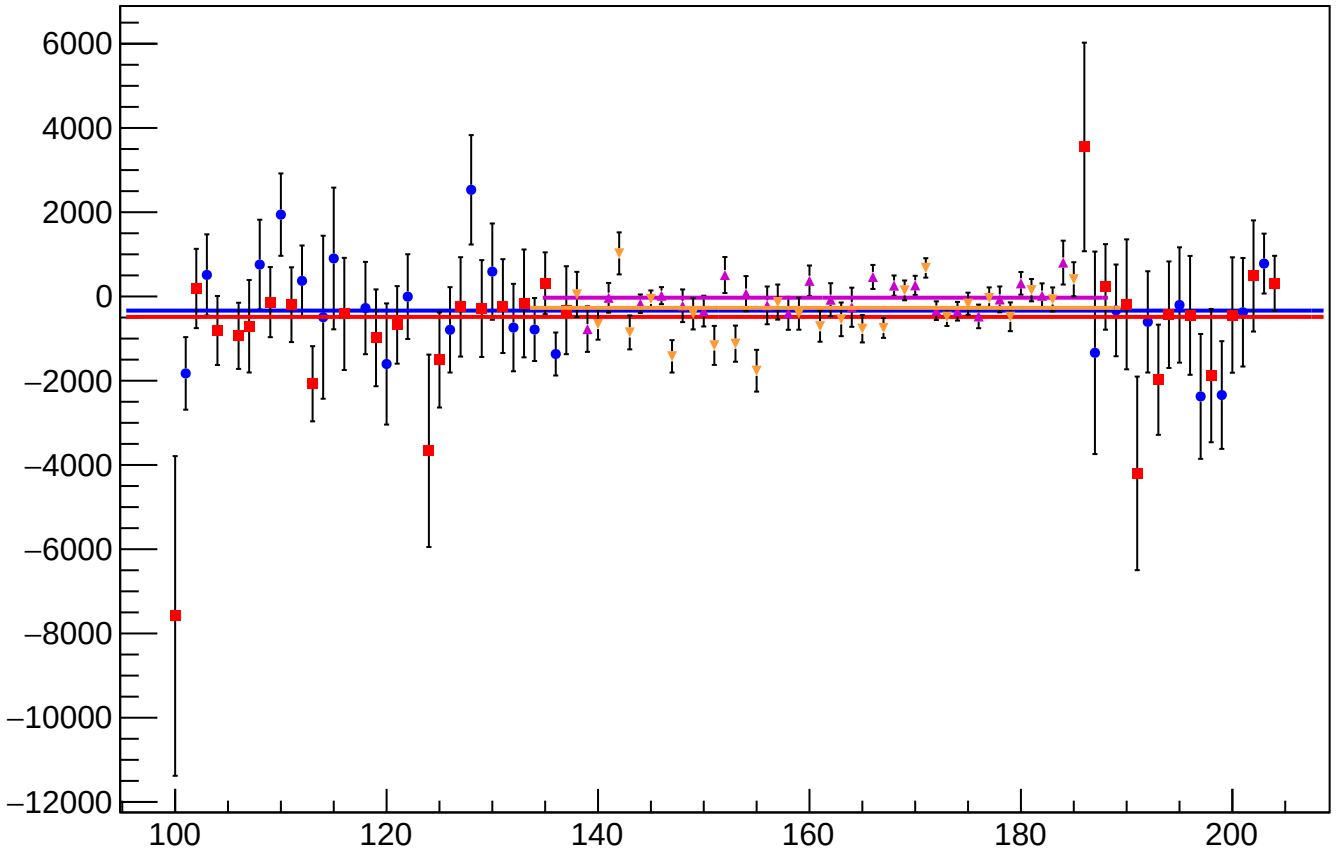
Right Out: 77.200+/-0.016 χ^2/NDF: 5657574.8/29

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 52.267+/-0.007 χ^2/NDF: 7360858.7/48

All: 52.883+/-0.005 χ^2/NDF: 16577223.7/101

- sign 53.526+/-0.007 χ^2/NDF: 9200194.5/52



Right In: -335.931+/-206.401 χ^2/NDF: 29.8/23

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -485.285+/-197.757 χ^2/NDF: 22.3/29

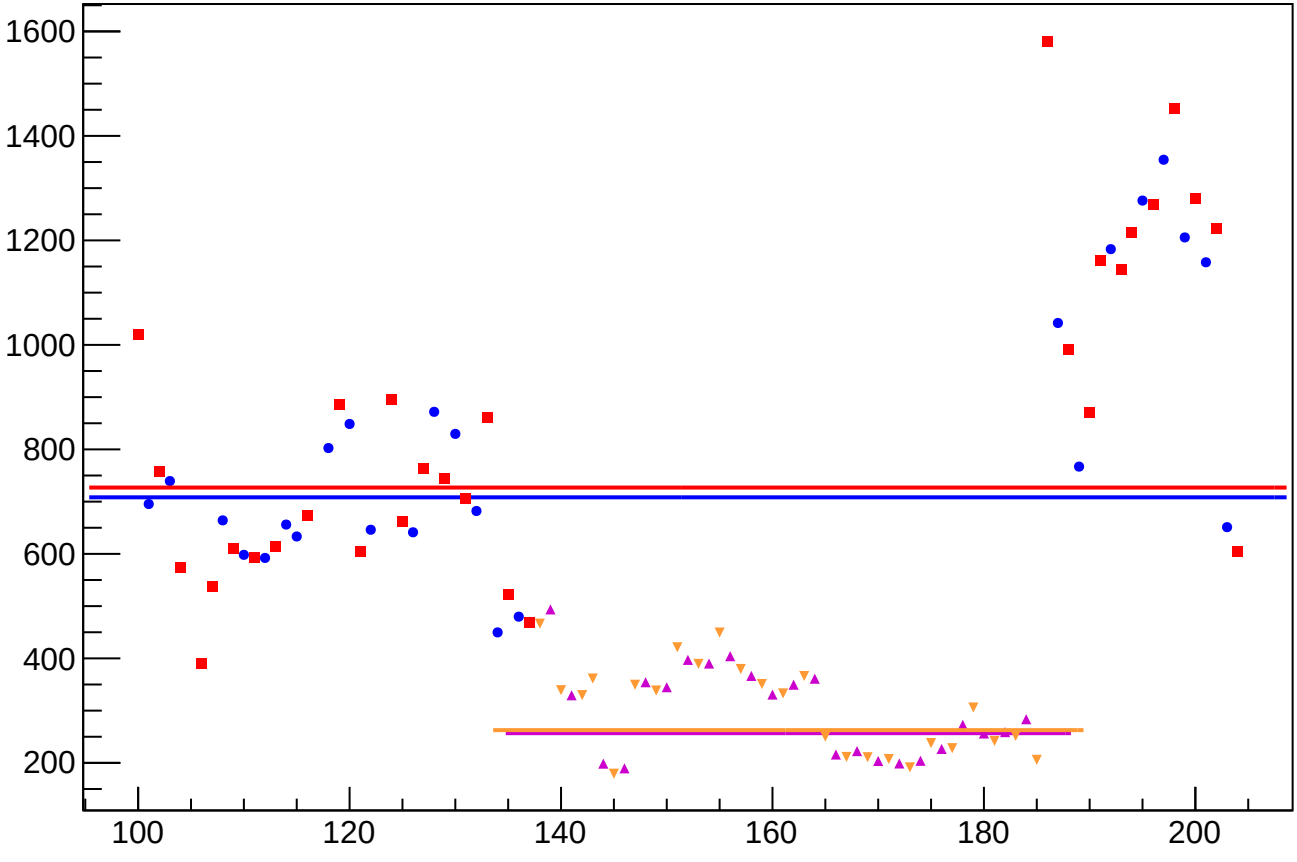
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -276.453+/-59.683 χ^2/NDF: 103.7/48

All: -173.743+/-42.223 χ^2/NDF: 161.2/101

- sign -70.826+/-59.742 χ^2/NDF: 51.5/52

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 708.260+/-0.146 χ^2/NDF: 2460746.0/23

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 726.947+/-0.140 χ^2/NDF: 3381133.9/29

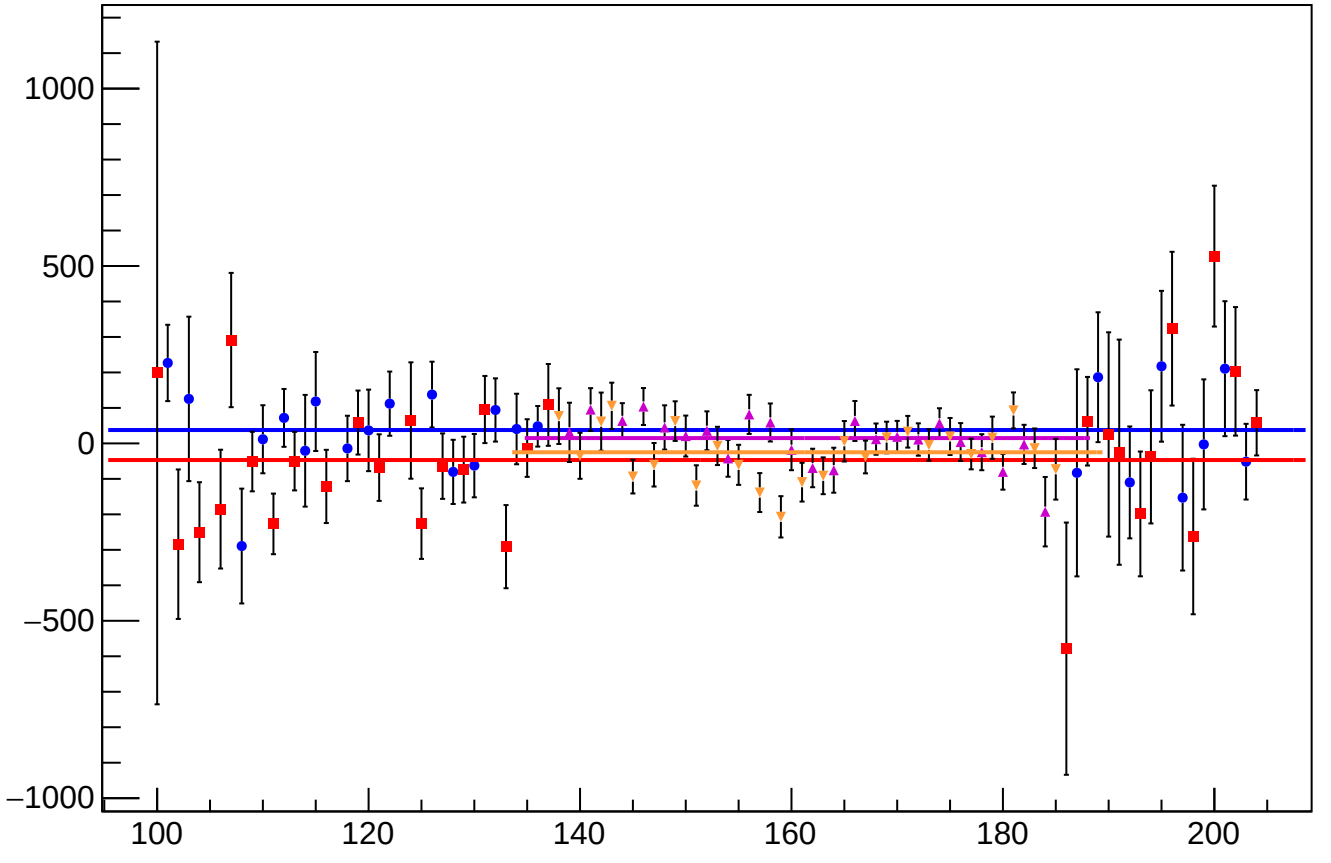
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 299.935+/-0.042 χ^2/NDF: 13895620.4/48

All: 299.841+/-0.030 χ^2/NDF: 30186469.0/10

- sign 299.746+/-0.042 χ^2/NDF: 16290838.6/52

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 37.689+/-22.476 χ^2/NDF: 18.5/23

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -46.867+/-22.098 χ^2/NDF: 45.4/29

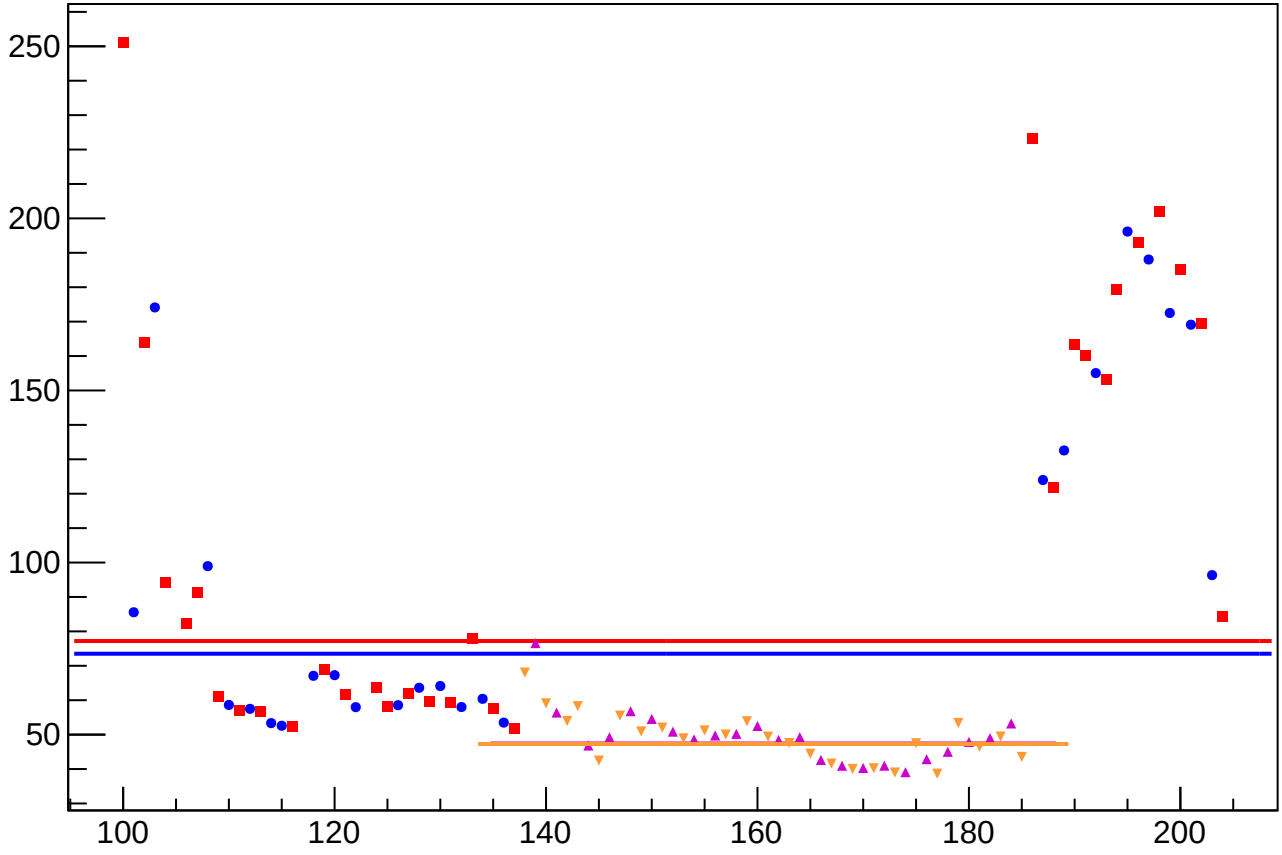
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.073+/-9.798 χ^2/NDF: 67.8/48

All: -5.537+/-7.000 χ^2/NDF: 145.4/101

- sign 2.318+/-10.003 χ^2/NDF: 76.4/52

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 73.503+/-0.016 χ^2/NDF: 4439226.7/23

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

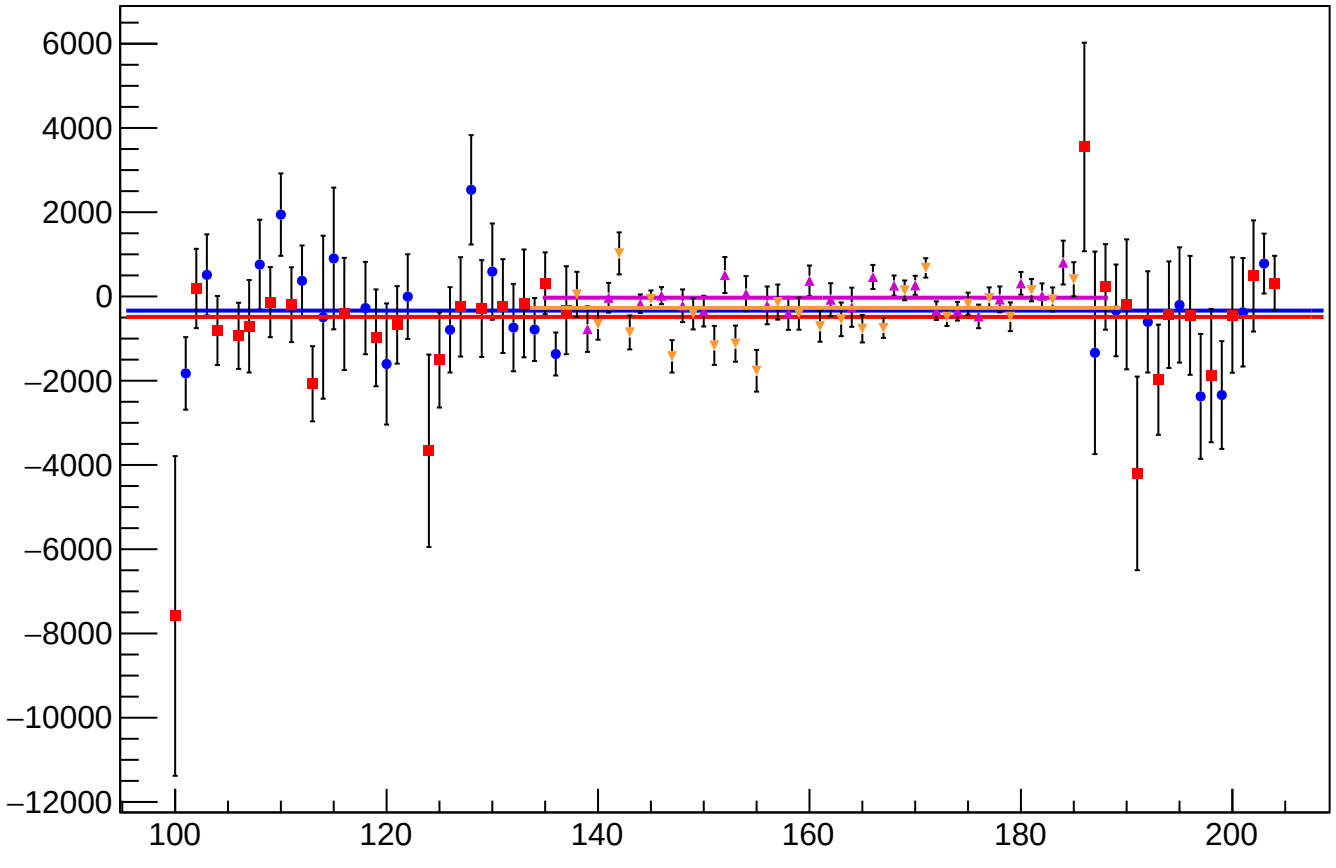
Right Out: 77.200+/-0.016 χ^2/NDF: 5657574.8/29

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 52.267+/-0.007 χ^2/NDF: 7360858.7/48

All: 52.883+/-0.005 χ^2/NDF: 16577223.7/101

- sign 53.526+/-0.007 χ^2/NDF: 9200194.5/52



Right In: -335.931+/-206.401 χ^2/NDF: 29.8/23

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -485.285+/-197.757 χ^2/NDF: 22.3/29

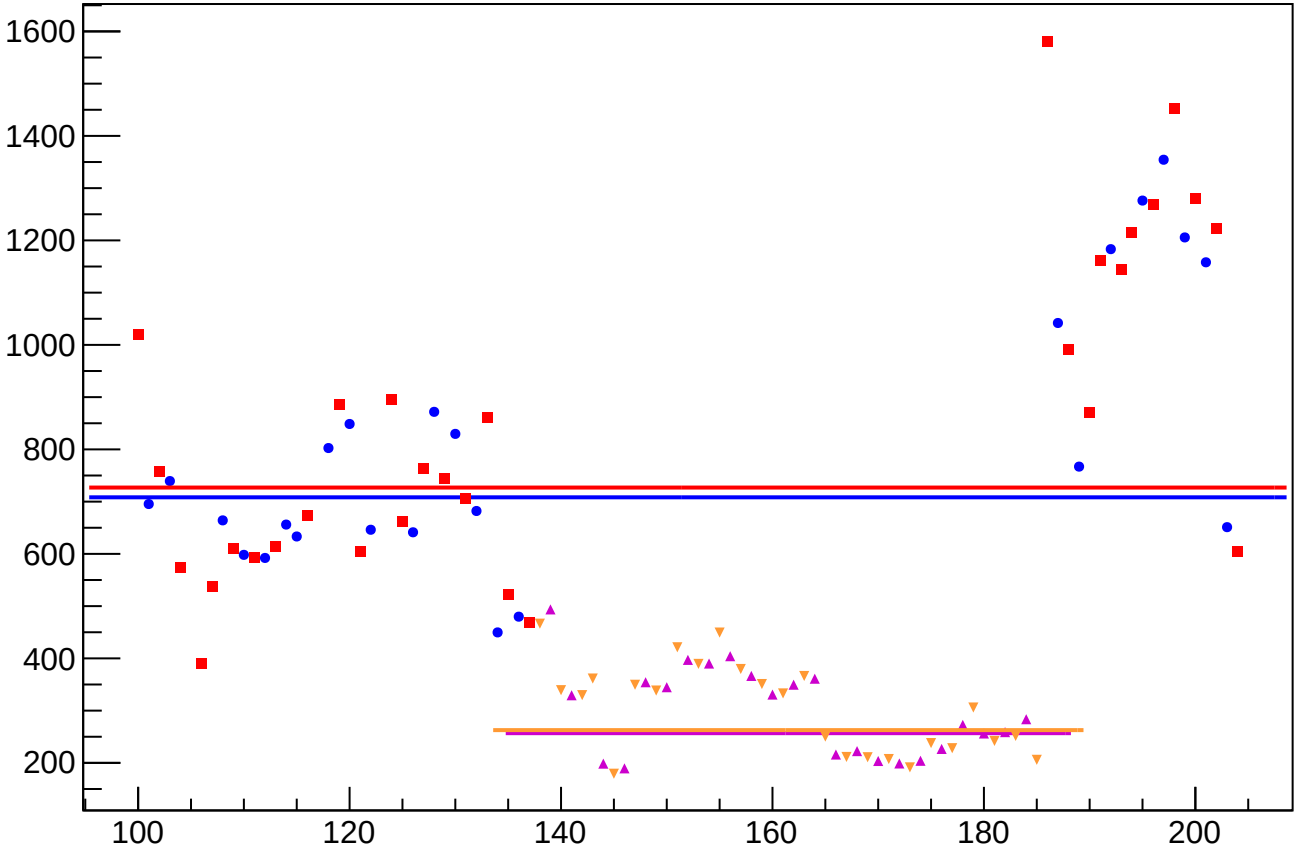
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -276.453+/-59.683 χ^2/NDF: 103.7/48

All: -173.743+/-42.223 χ^2/NDF: 161.2/101

- sign -70.826+/-59.742 χ^2/NDF: 51.5/52

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 708.260+/-0.146 χ^2/NDF: 2460746.0/23

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 726.947+/-0.140 χ^2/NDF: 3381133.9/29

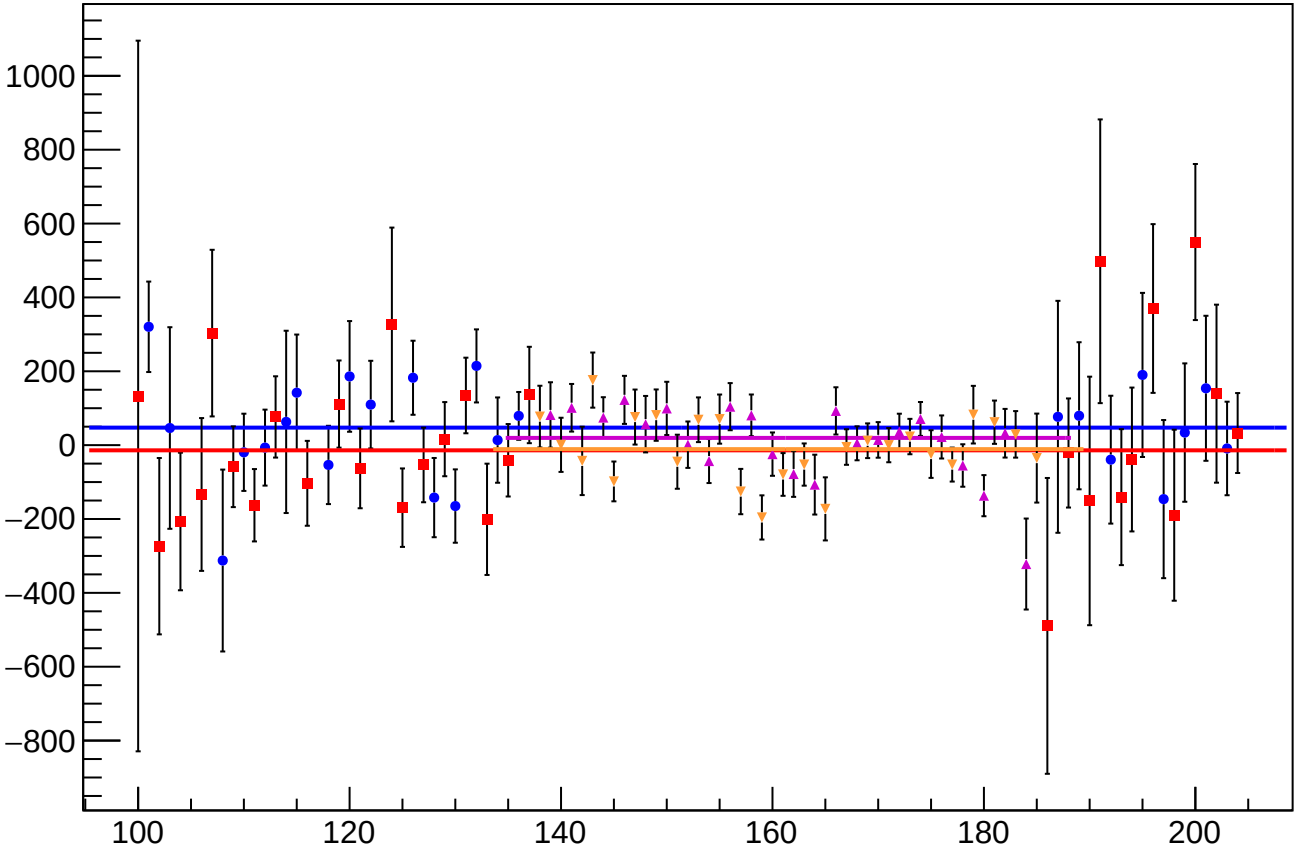
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 299.935+/-0.042 χ^2/NDF: 13895620.4/48

All: 299.841+/-0.030 χ^2/NDF: 30186469.0/10

- sign 299.746+/-0.042 χ^2/NDF: 16290838.6/52

dit_asym_sam_37_dd_mean vs Slug



Right In: 47.426+/-26.040 χ^2/NDF: 24.9/23

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -14.062+/-25.969 χ^2/NDF: 33.7/29

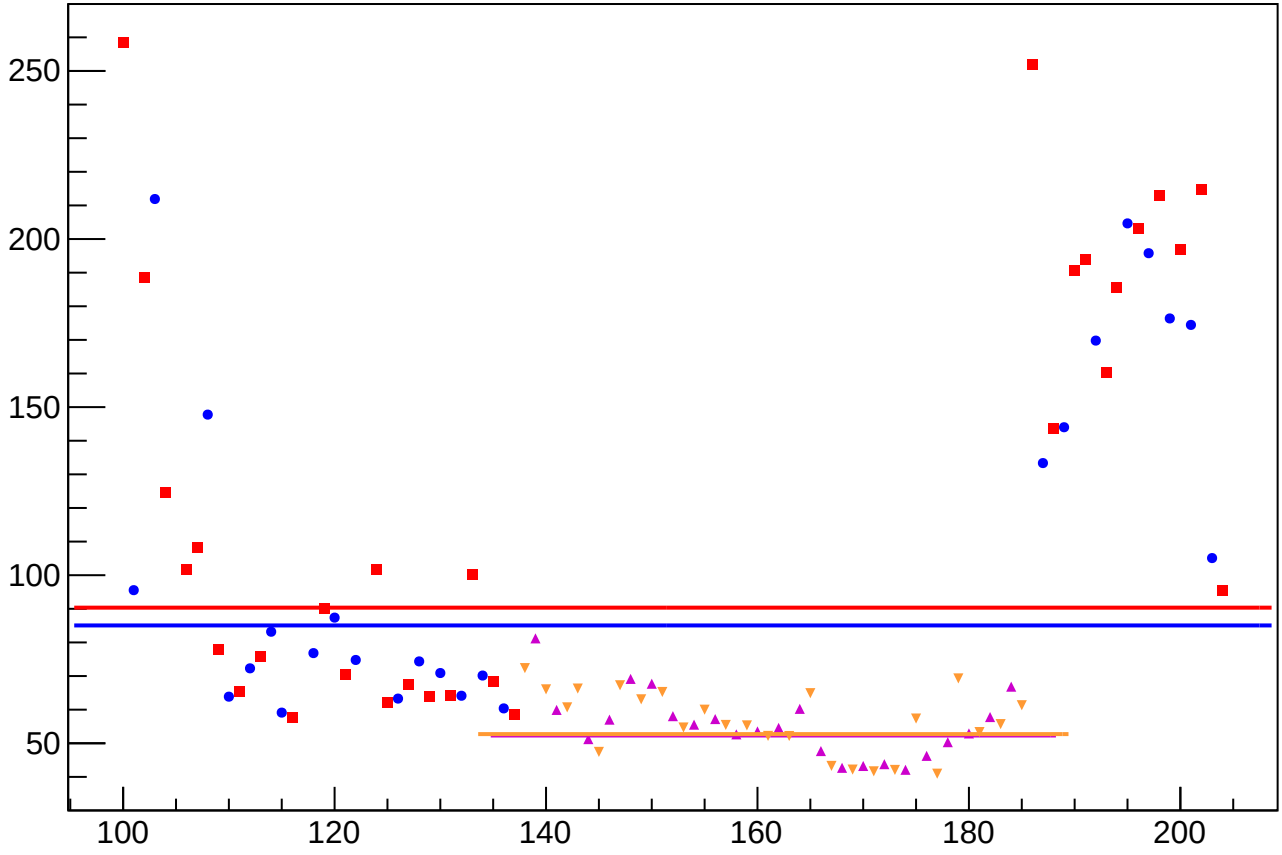
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -0.189+/-11.126 χ^2/NDF: 69.4/48

All: 6.418+/-7.927 χ^2/NDF: 142.0/101

- sign 13.228+/-11.297 χ^2/NDF: 71.9/52

dit_asym_sam_37_dd_rms vs Slug



Right In: 85.055+/-0.018 χ^2/NDF: 4094998.6/23

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

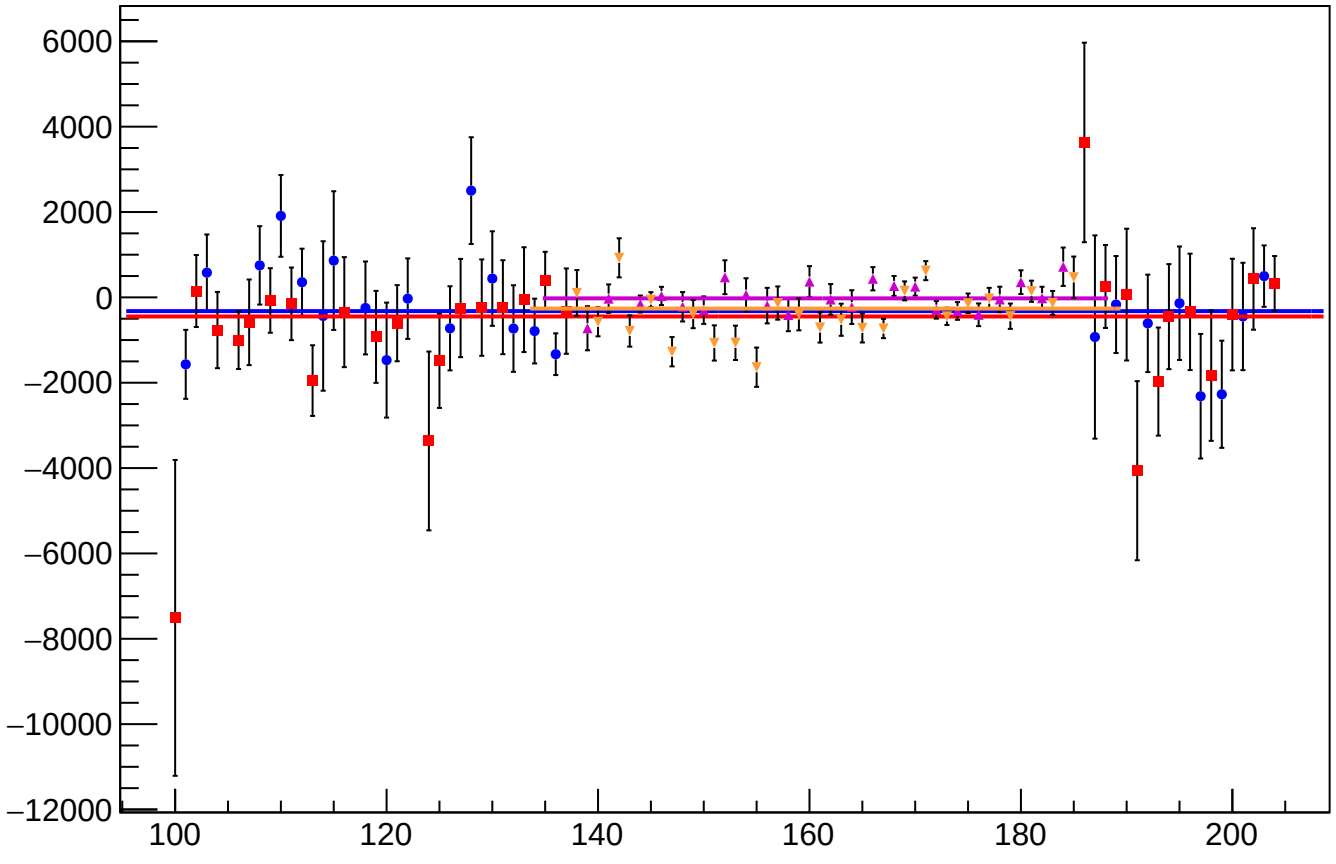
Right Out: 90.346+/-0.018 χ^2/NDF: 5423190.5/29

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 58.632+/-0.008 χ^2/NDF: 7781357.2/48

All: 59.065+/-0.006 χ^2/NDF: 17580505.9/101

- sign 59.510+/-0.008 χ^2/NDF: 9793009.7/52



Right In: -322.088+/-199.126 χ^2/NDF: 28.6/23

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -447.716+/-187.793 χ^2/NDF: 24.4/29

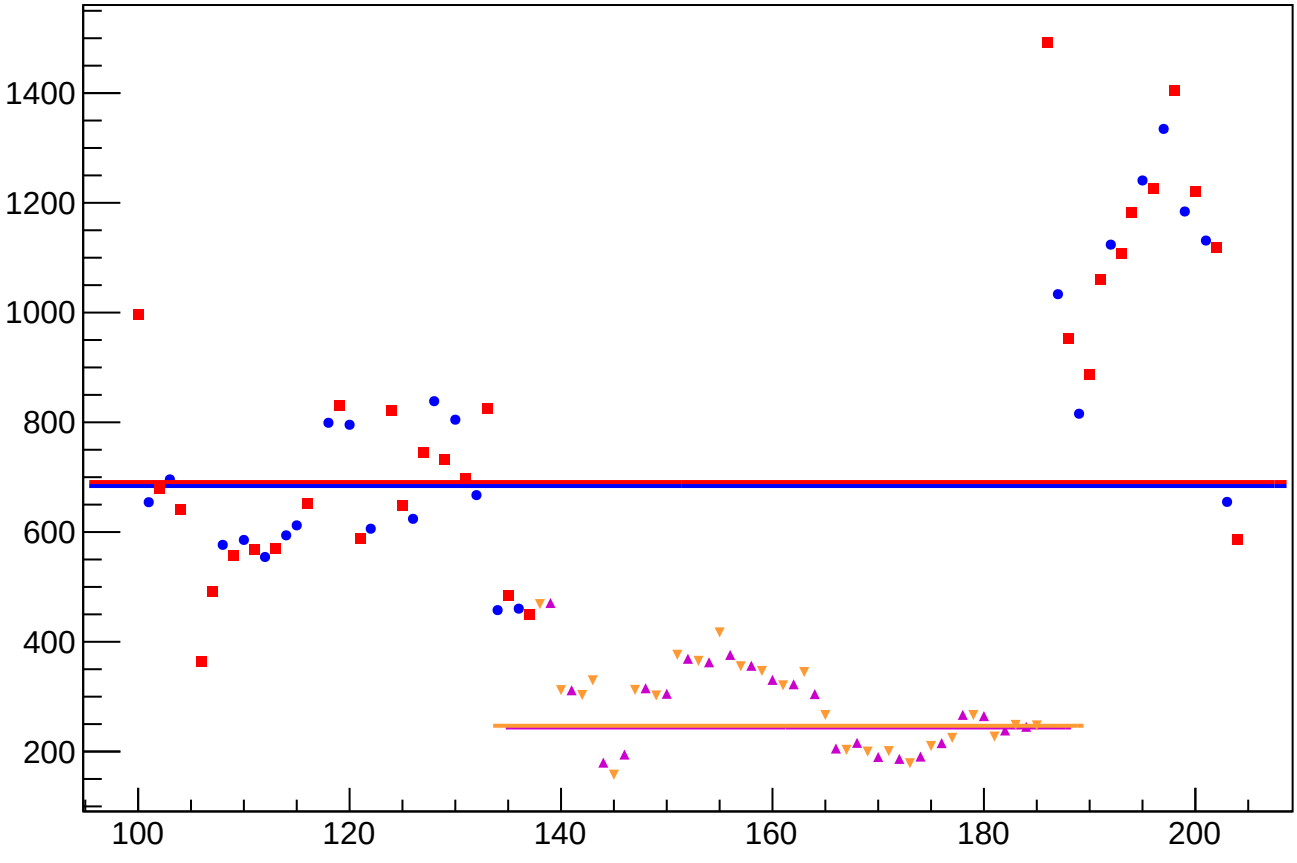
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -267.309+/-56.129 χ^2/NDF: 100.9/48

All: -165.595+/-39.866 χ^2/NDF: 160.7/101

- sign -62.050+/-56.632 χ^2/NDF: 53.2/52

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 683.878+/-0.141 χ^2/NDF: 2511016.0/23

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 691.143+/-0.133 χ^2/NDF: 3521783.9/29

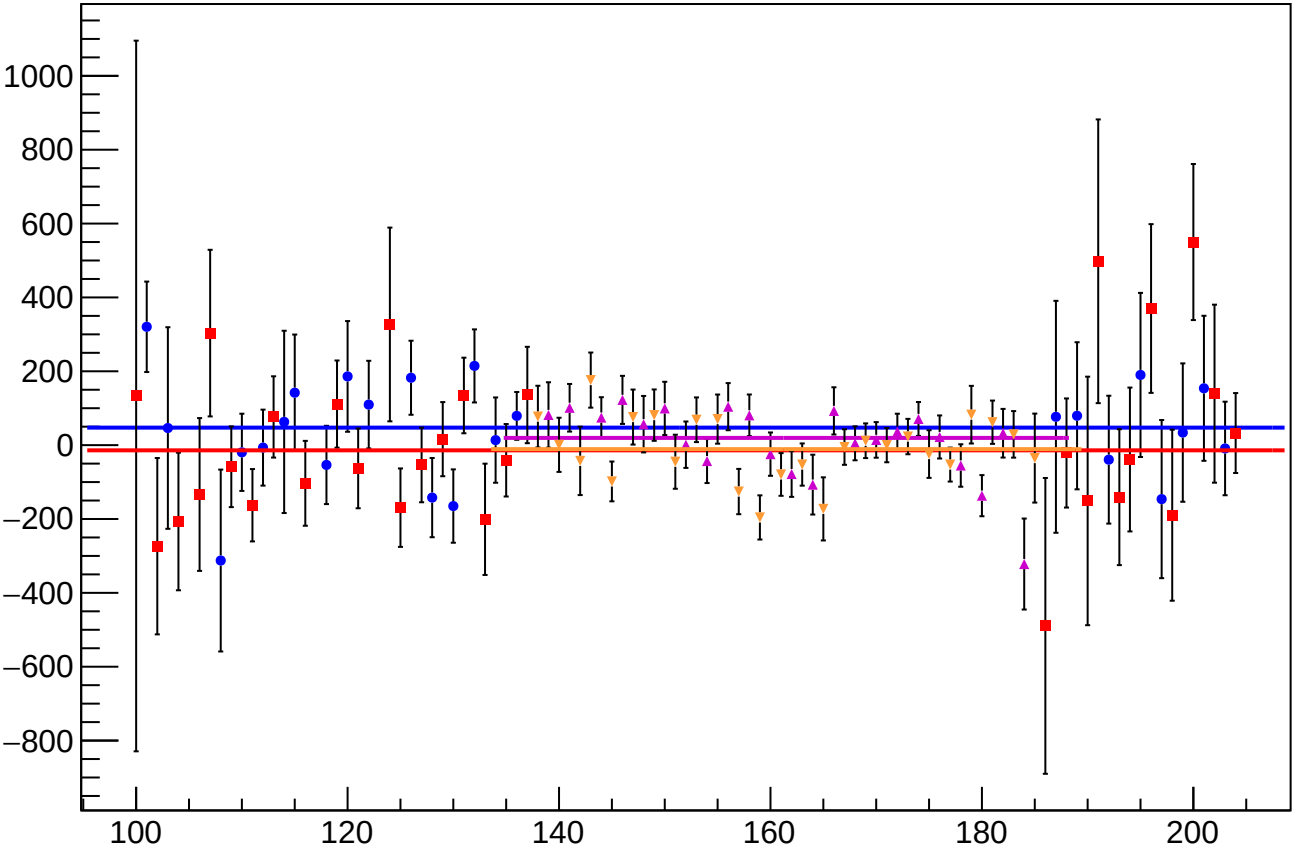
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 281.707+/-0.040 χ^2/NDF: 14299093.0/48

All: 283.093+/-0.028 χ^2/NDF: 30629526.6/10

- sign 284.504+/-0.040 χ^2/NDF: 16327972.7/52

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 47.425+/-26.040 χ^2/NDF: 24.9/23

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: -14.061+/-25.969 χ^2/NDF: 33.7/29

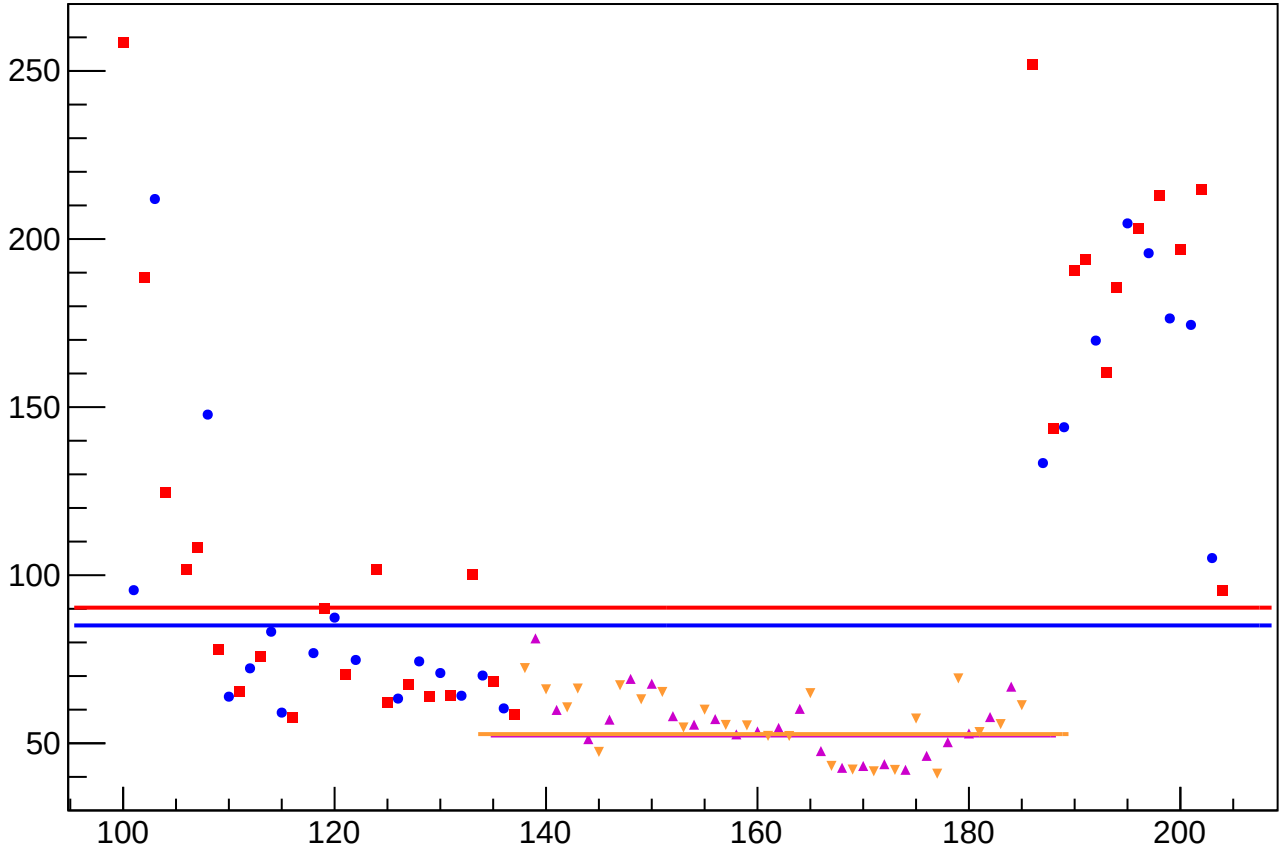
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -0.189+/-11.126 χ^2/NDF: 69.4/48

All: 6.418+/-7.927 χ^2/NDF: 142.0/101

- sign 13.229+/-11.297 χ^2/NDF: 71.9/52

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 85.055+/-0.018 χ^2/NDF: 4095019.9/23

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

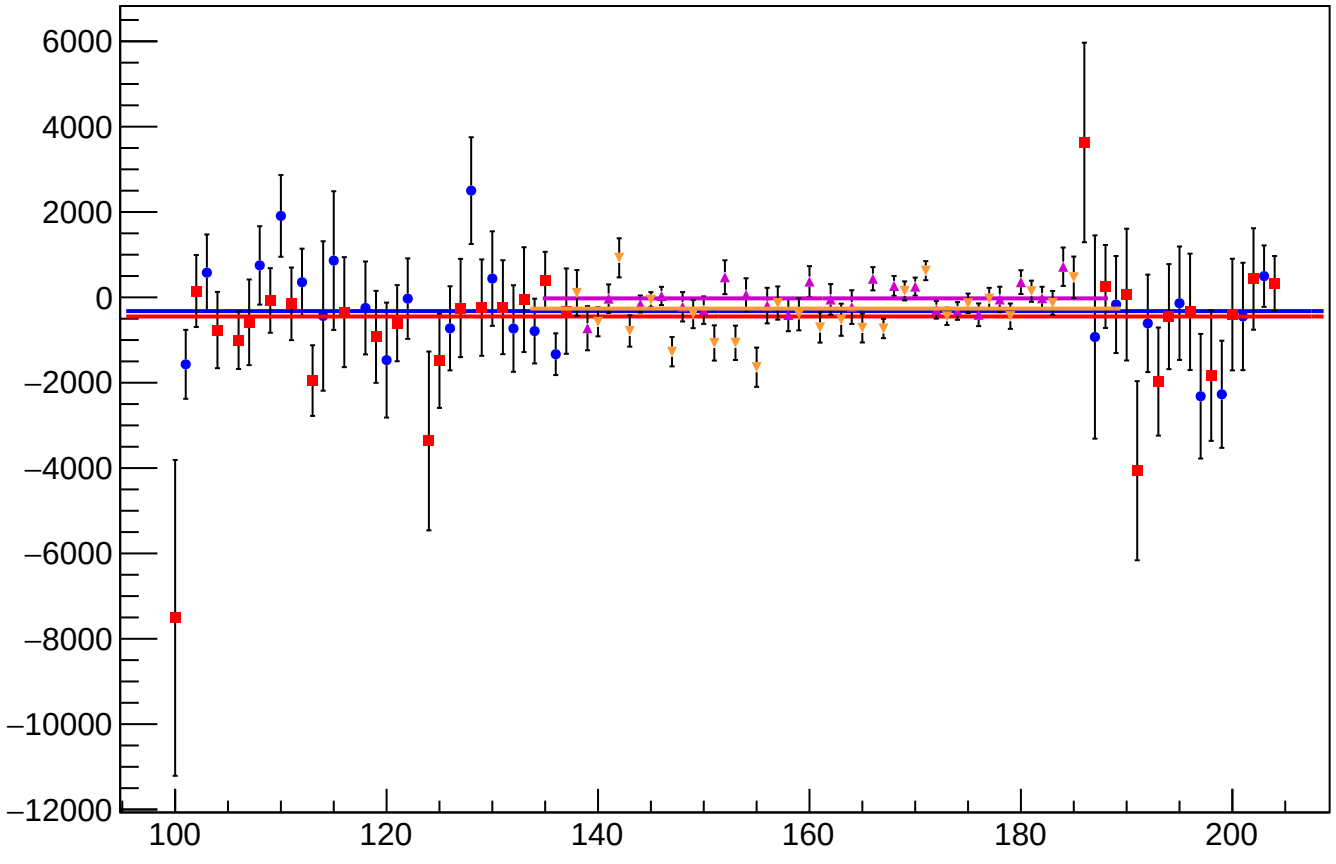
Right Out: 90.346+/-0.018 χ^2/NDF: 5423189.8/29

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 58.632+/-0.008 χ^2/NDF: 7781374.8/48

All: 59.065+/-0.006 χ^2/NDF: 17580507.5/101

- sign 59.511+/-0.008 χ^2/NDF: 9792993.8/52



Right In: -322.088+/-199.126 χ^2/NDF: 28.6/23

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -447.716+/-187.793 χ^2/NDF: 24.4/29

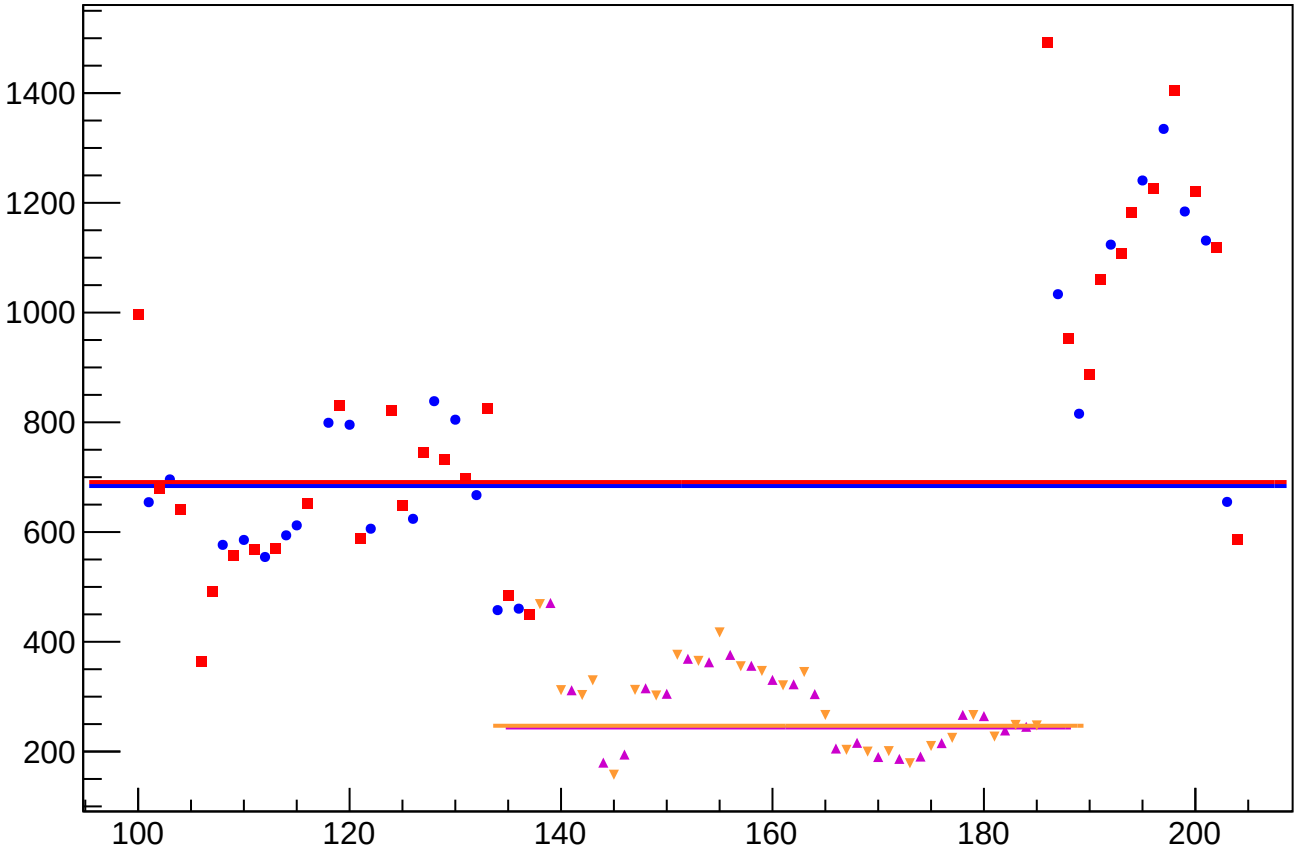
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -267.310+/-56.129 χ^2/NDF: 100.9/48

All: -165.595+/-39.866 χ^2/NDF: 160.7/101

- sign -62.050+/-56.631 χ^2/NDF: 53.2/52

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 683.878+/-0.141 χ^2/NDF: 2511004.4/23

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 691.142+/-0.133 χ^2/NDF: 3521777.7/29

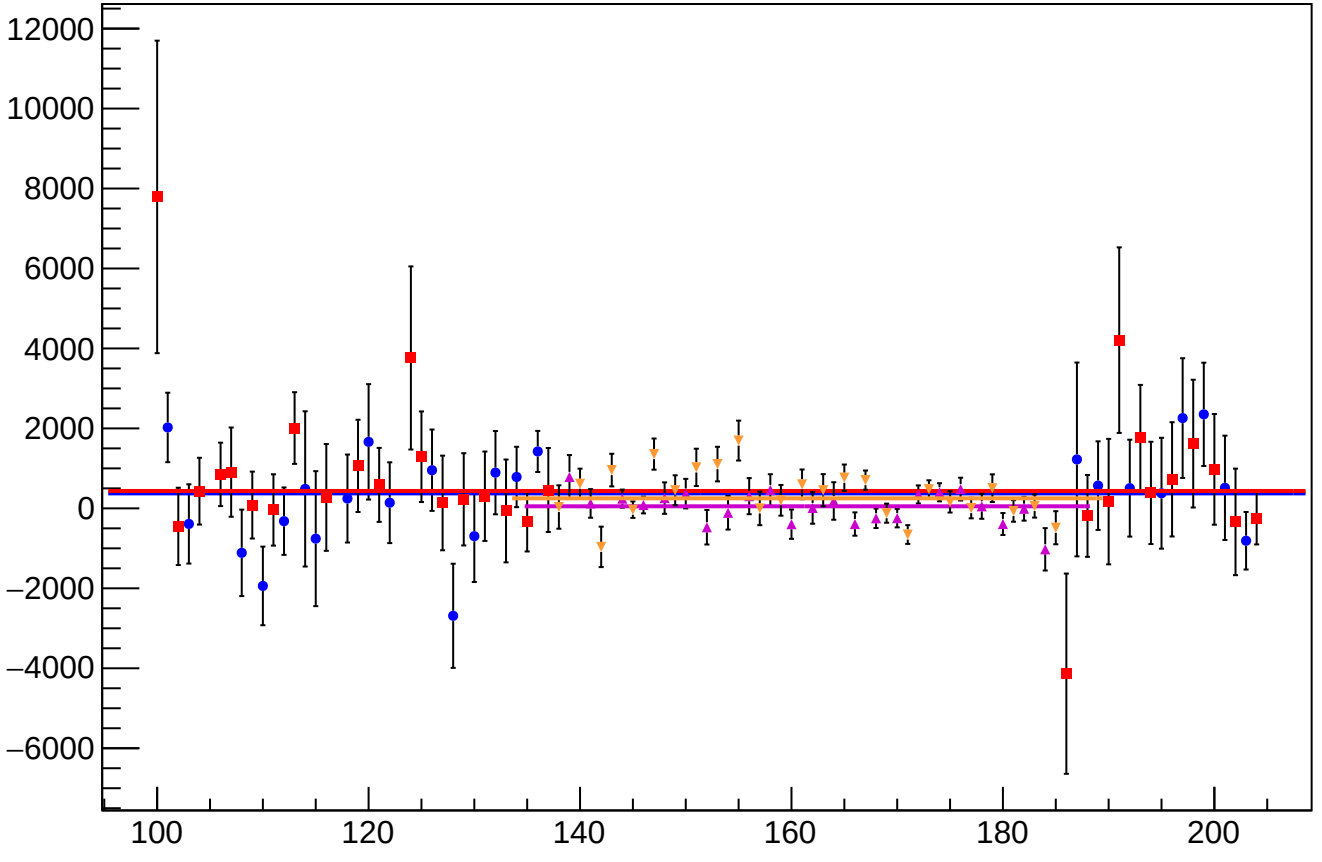
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 281.707+/-0.040 χ^2/NDF: 14299082.6/48

All: 283.093+/-0.028 χ^2/NDF: 30629510.4/10

- sign 284.504+/-0.040 χ^2/NDF: 16327967.1/52

asym_sam_37_dd_mean vs Slug



Right In: 374.687+/-208.209 χ^2/NDF: 31.9/23

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 434.840+/-199.538 χ^2/NDF: 22.3/29

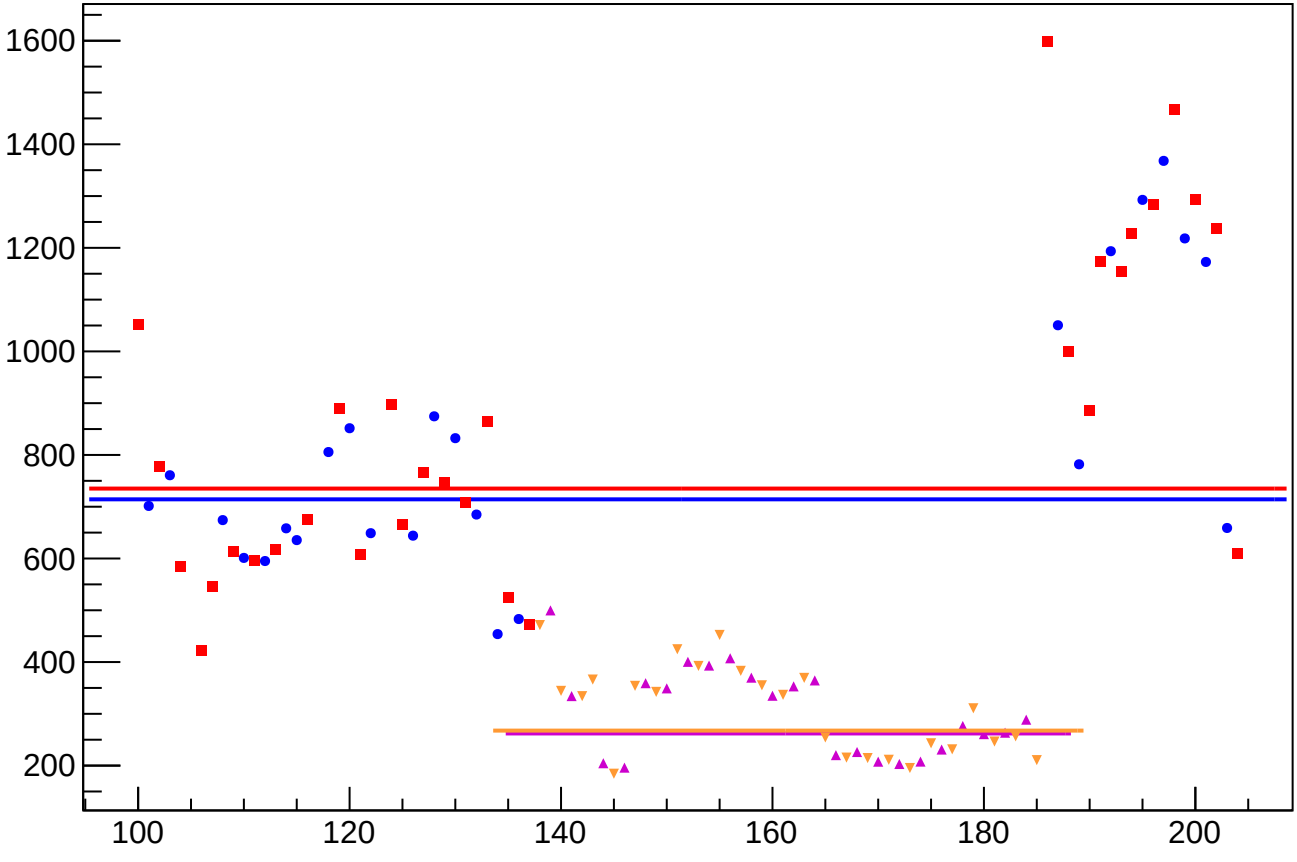
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 261.603+/-60.671 χ^2/NDF: 99.7/48

All: 174.639+/-42.949 χ^2/NDF: 156.3/101

- sign 87.287+/-60.807 χ^2/NDF: 52.5/52

asym_sam_37_dd_rms vs Slug



Right In: 714.268+/-0.147 χ^2/NDF: 2476401.8/23

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

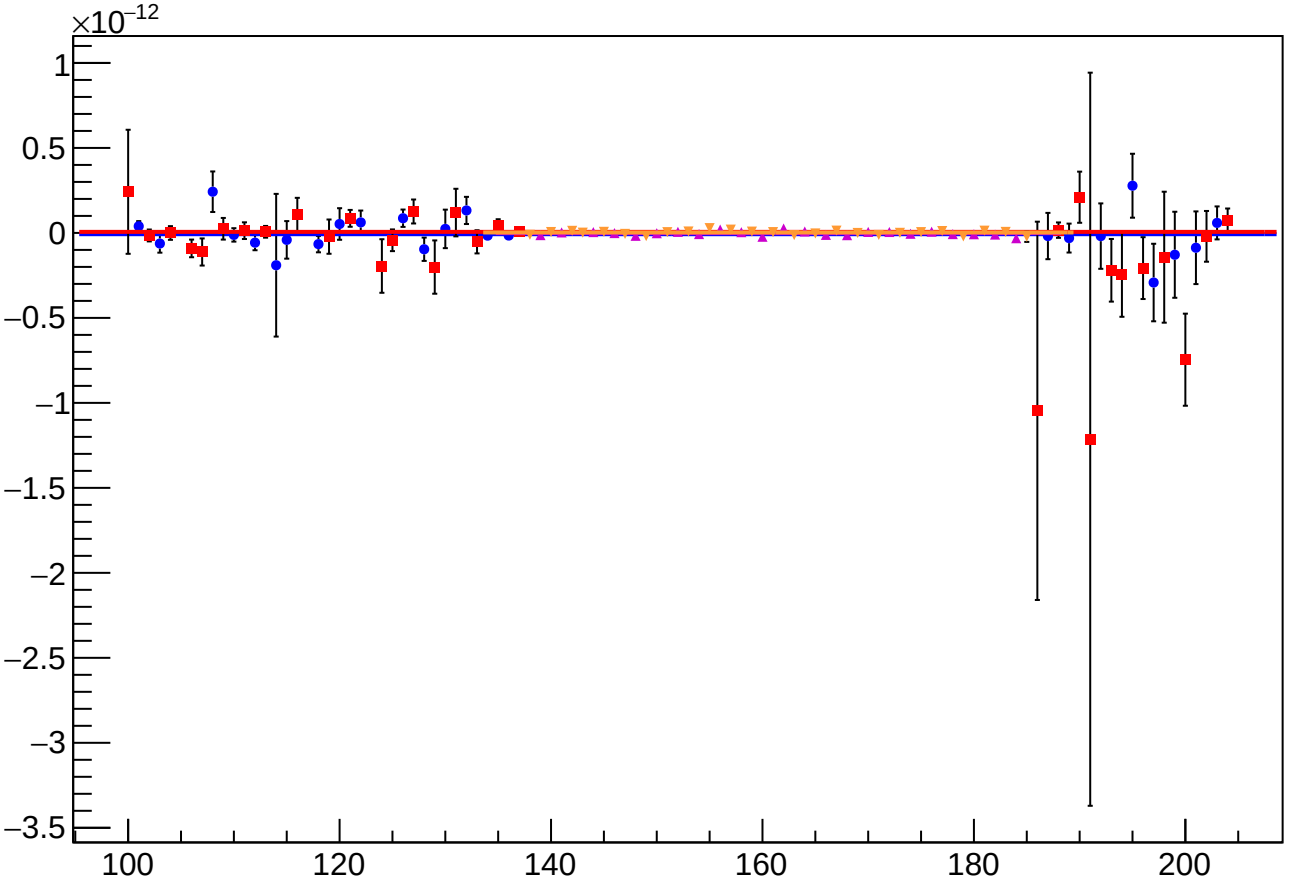
Right Out: 735.048+/-0.141 χ^2/NDF: 3336757.7/29

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 305.517+/-0.043 χ^2/NDF: 13701208.3/48

All: 305.765+/-0.030 χ^2/NDF: 29768288.7/10

- sign 306.013+/-0.043 χ^2/NDF: 16067013.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

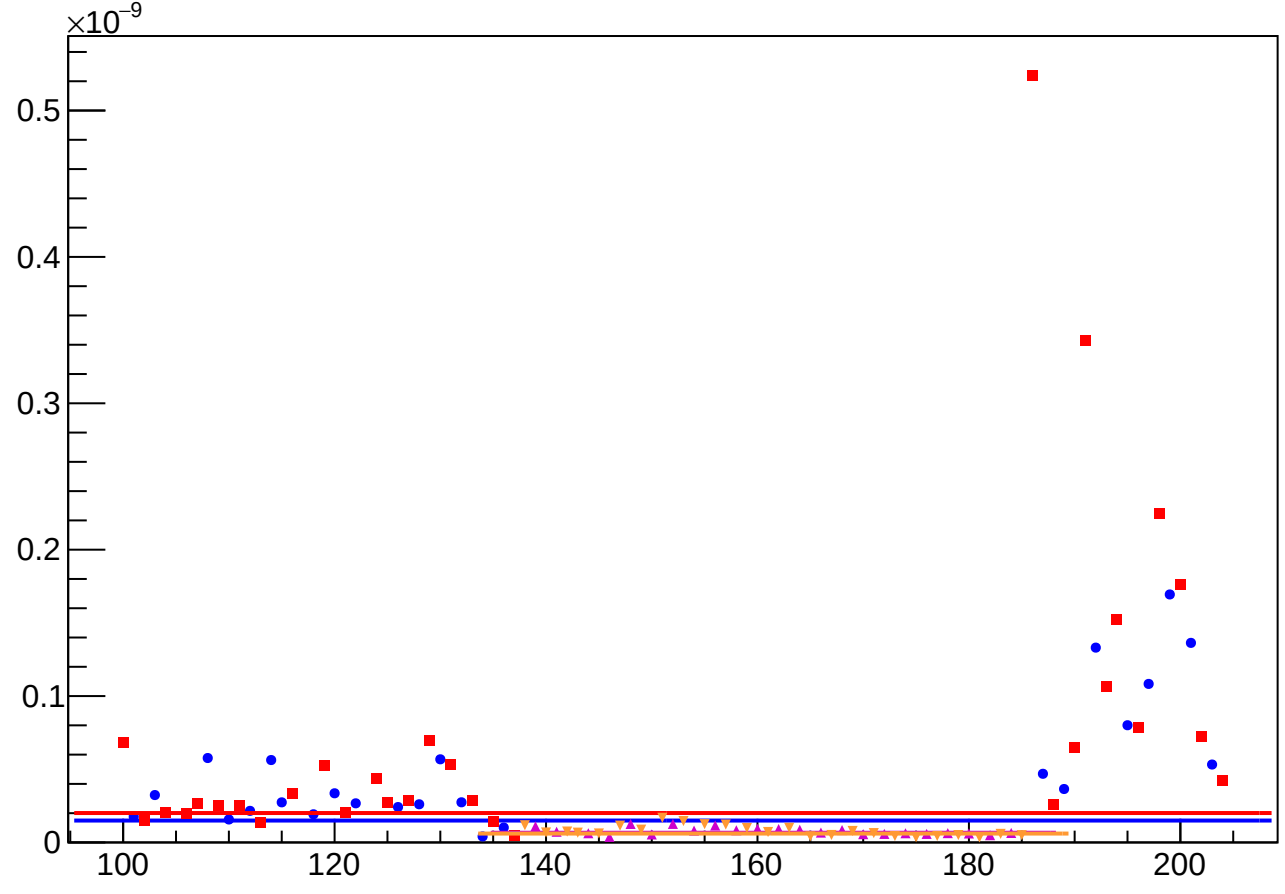
Right Out: 0.000+/-0.000 χ^2/NDF: 35.8/29

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.1/48

All: 0.000+/-0.000 χ^2/NDF: 91.2/101

- sign -0.000+/-0.000 χ^2/NDF: 48.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 5425427.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5327472.1/29

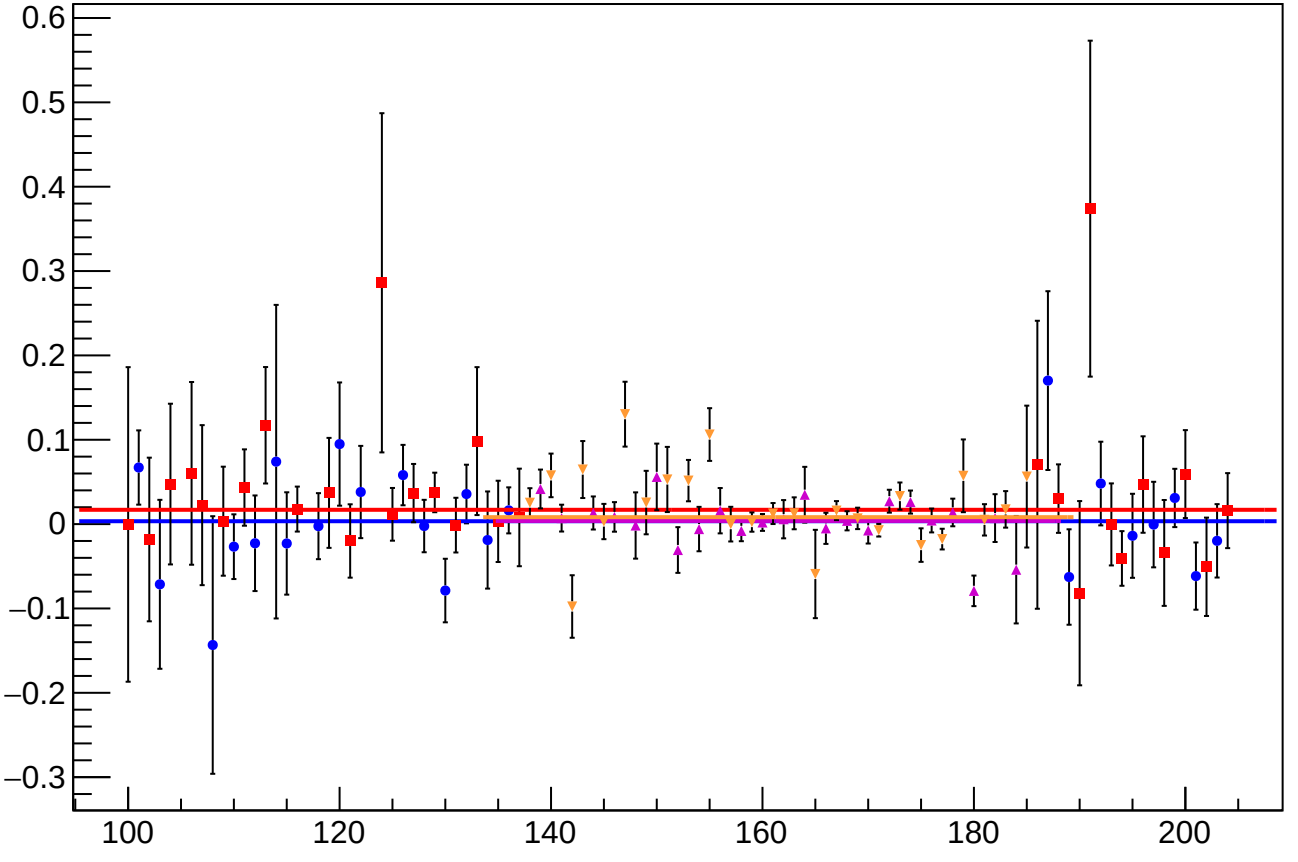
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9581097.4/48

All: 0.000+/-0.000 χ^2/NDF: 19042178.6/101

- sign 0.000+/-0.000 χ^2/NDF: 9375457.0/52

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.009 χ^2/NDF: 23.5/23

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.017+/-0.009 χ^2/NDF: 18.4/29

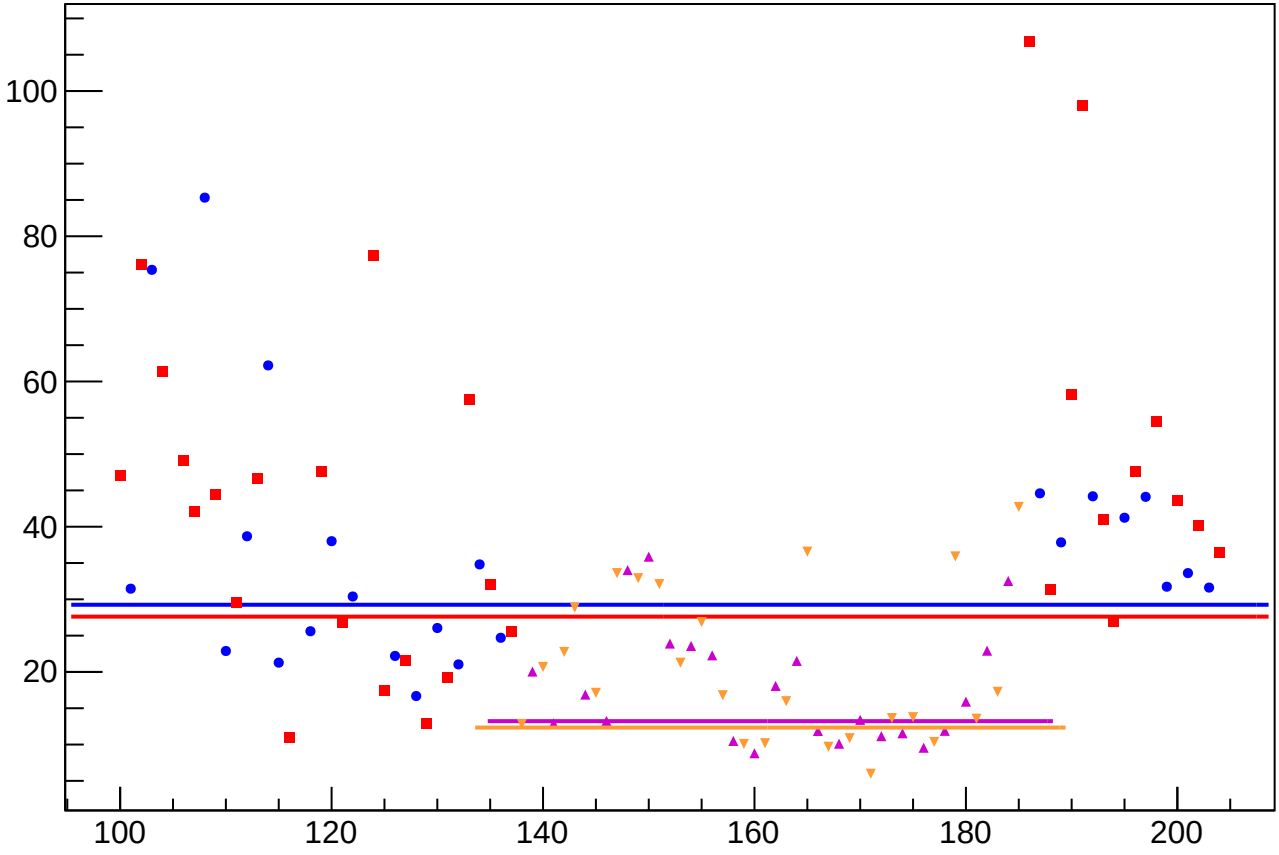
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 82.5/48

All: 0.007+/-0.002 χ^2/NDF: 140.2/101

- sign 0.006+/-0.003 χ^2/NDF: 57.5/52

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.252+/-0.007 χ^2/NDF: 2156072.7/23

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.617+/-0.006 χ^2/NDF: 5709446.5/29

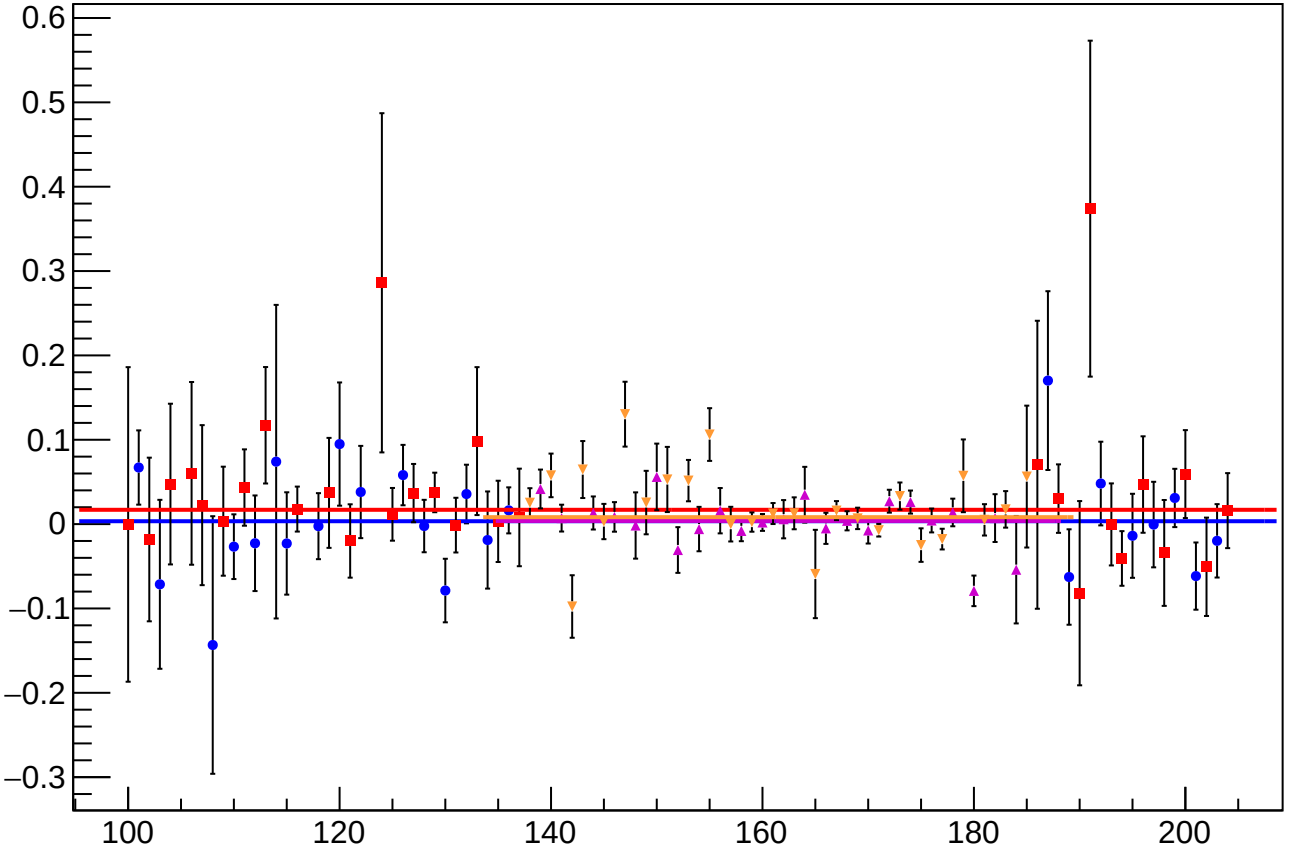
Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.416+/-0.002 χ^2/NDF: 14776545.1/48

All: 14.852+/-0.002 χ^2/NDF: 29004492.7/101

- sign 15.322+/-0.002 χ^2/NDF: 14152384.4/52

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.009 χ^2/NDF: 23.5/23

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.017+/-0.009 χ^2/NDF: 18.4/29

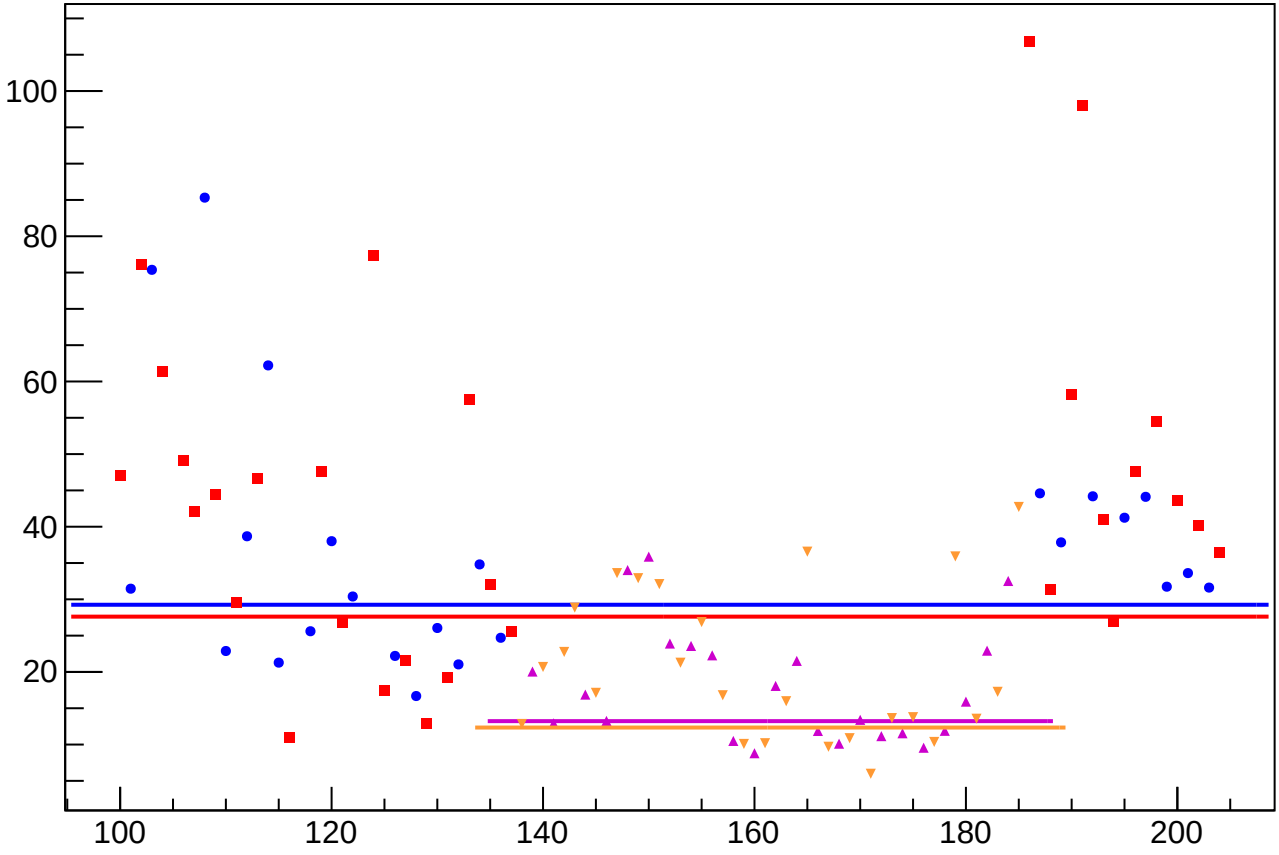
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 82.5/48

All: 0.007+/-0.002 χ^2/NDF: 140.2/101

- sign 0.006+/-0.003 χ^2/NDF: 57.5/52

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.252+/-0.007 χ^2/NDF: 2156072.7/23

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

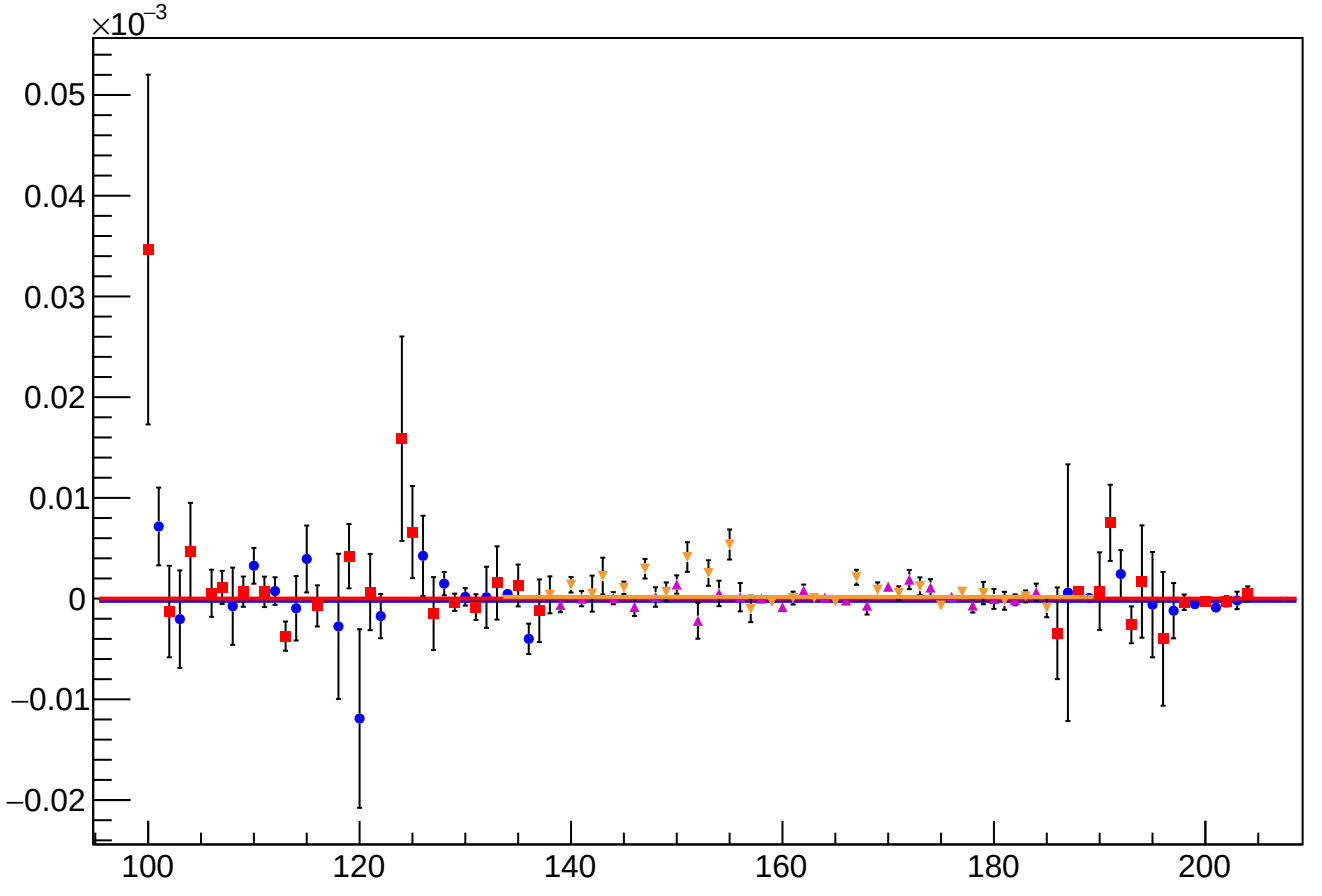
Right Out: 27.617+/-0.006 χ^2/NDF: 5709446.5/29

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

\+ sign 14.416+/-0.002 χ^2/NDF: 14776545.1/48

All: 14.852+/-0.002 χ^2/NDF: 29004492.7/101

\- sign 15.322+/-0.002 χ^2/NDF: 14152384.4/52



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/29

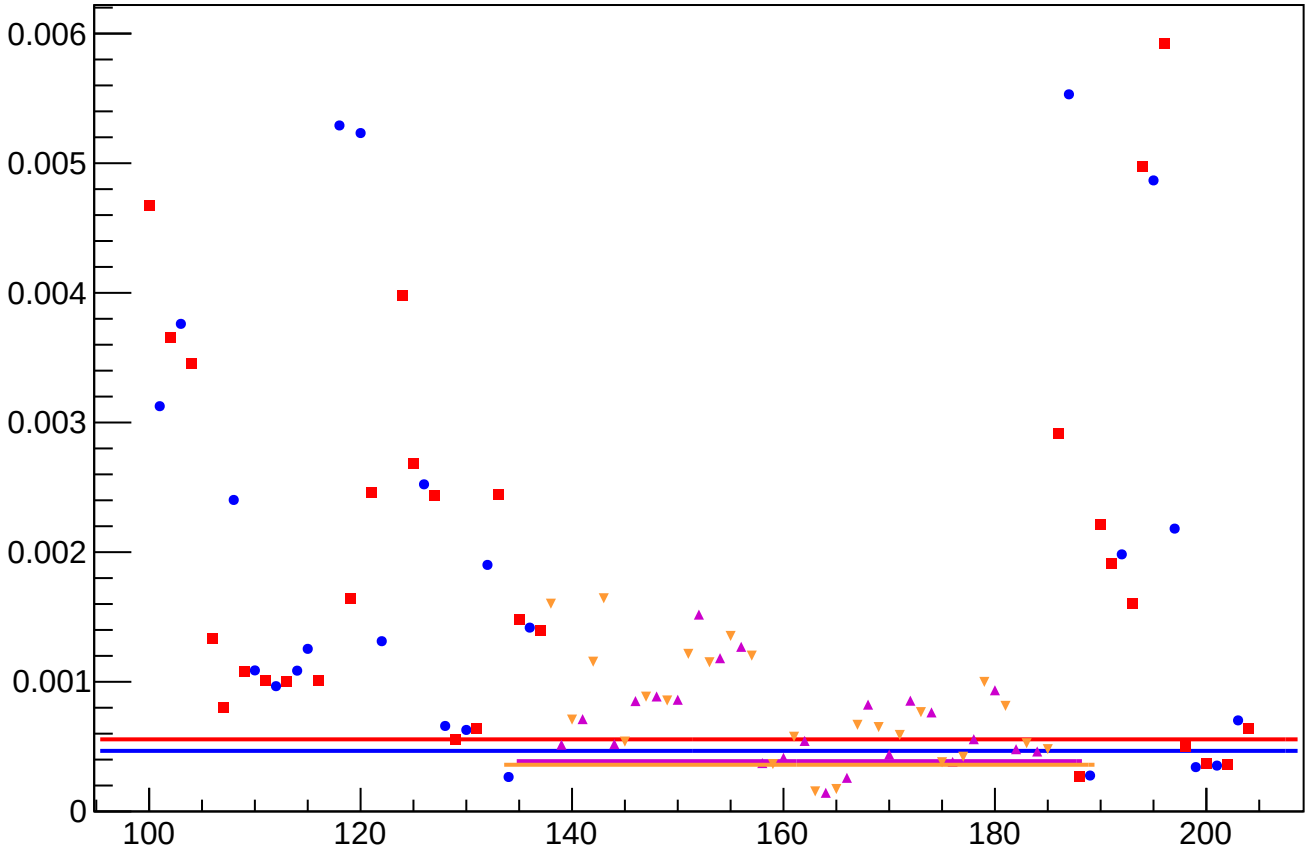
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 94.2/48

All: 0.000+/-0.000 χ^2/NDF: 150.1/101

- sign 0.000+/-0.000 χ^2/NDF: 55.8/52

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11314346.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

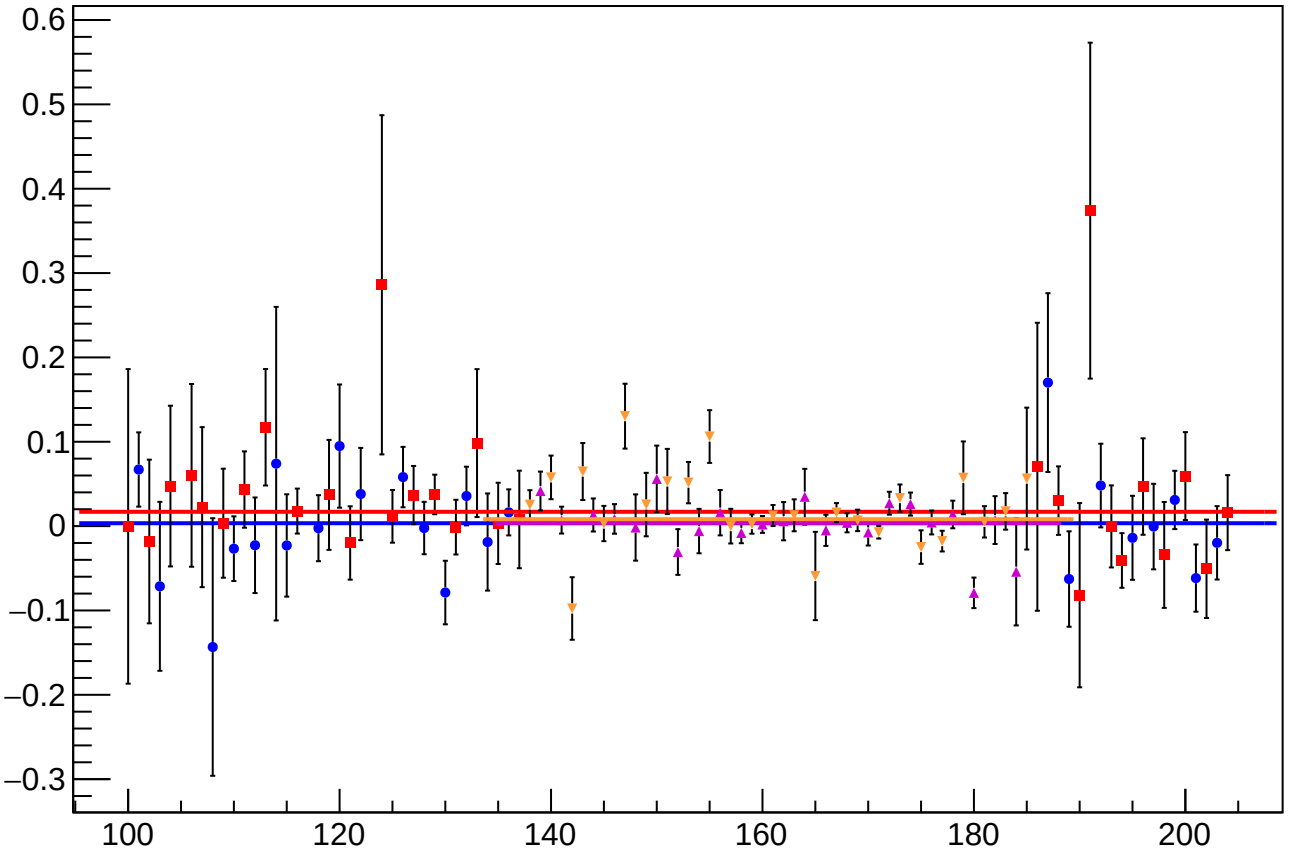
Right Out: 0.001+/-0.000 χ^2/NDF: 11675245.0/29

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 25836261.0/48

All: 0.000+/-0.000 χ^2/NDF: 49197854.6/101

- sign 0.000+/-0.000 χ^2/NDF: 23174120.2/52



Right In: 0.003+/-0.009 χ^2/NDF: 23.5/23

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

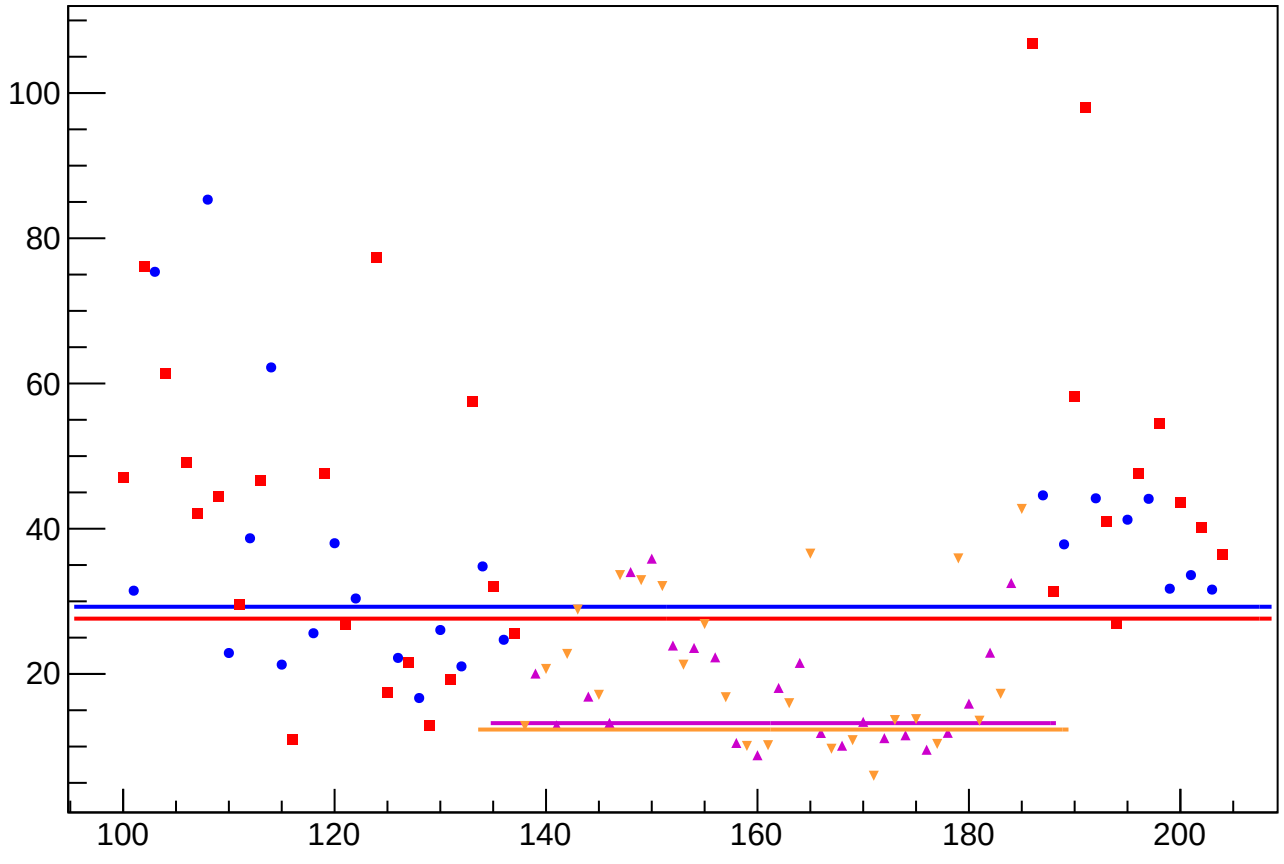
Right Out: 0.017+/-0.009 χ^2/NDF: 18.4/29

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 82.5/48

All: 0.007+/-0.002 χ^2/NDF: 140.2/101

- sign 0.006+/-0.003 χ^2/NDF: 57.5/52



Right In: 29.253+/-0.007 χ^2/NDF: 2155996.5/23

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

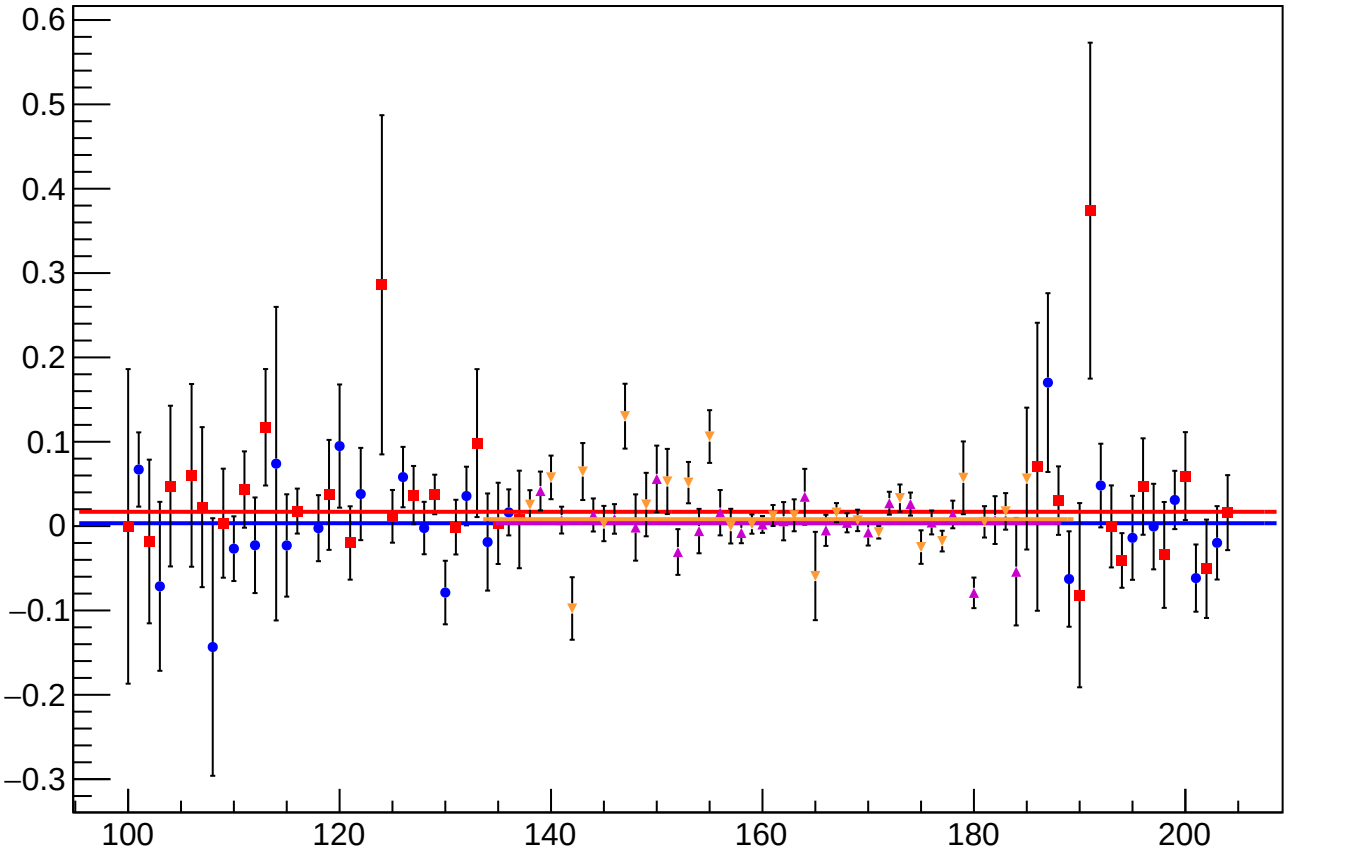
Right Out: 27.617+/-0.006 χ^2/NDF: 5709110.5/29

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.416+/-0.002 χ^2/NDF: 14776766.6/48

All: 14.852+/-0.002 χ^2/NDF: 29004752.7/101

- sign 15.323+/-0.002 χ^2/NDF: 14152427.2/52



Right In: 0.003+/-0.009 χ^2/NDF: 23.5/23

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

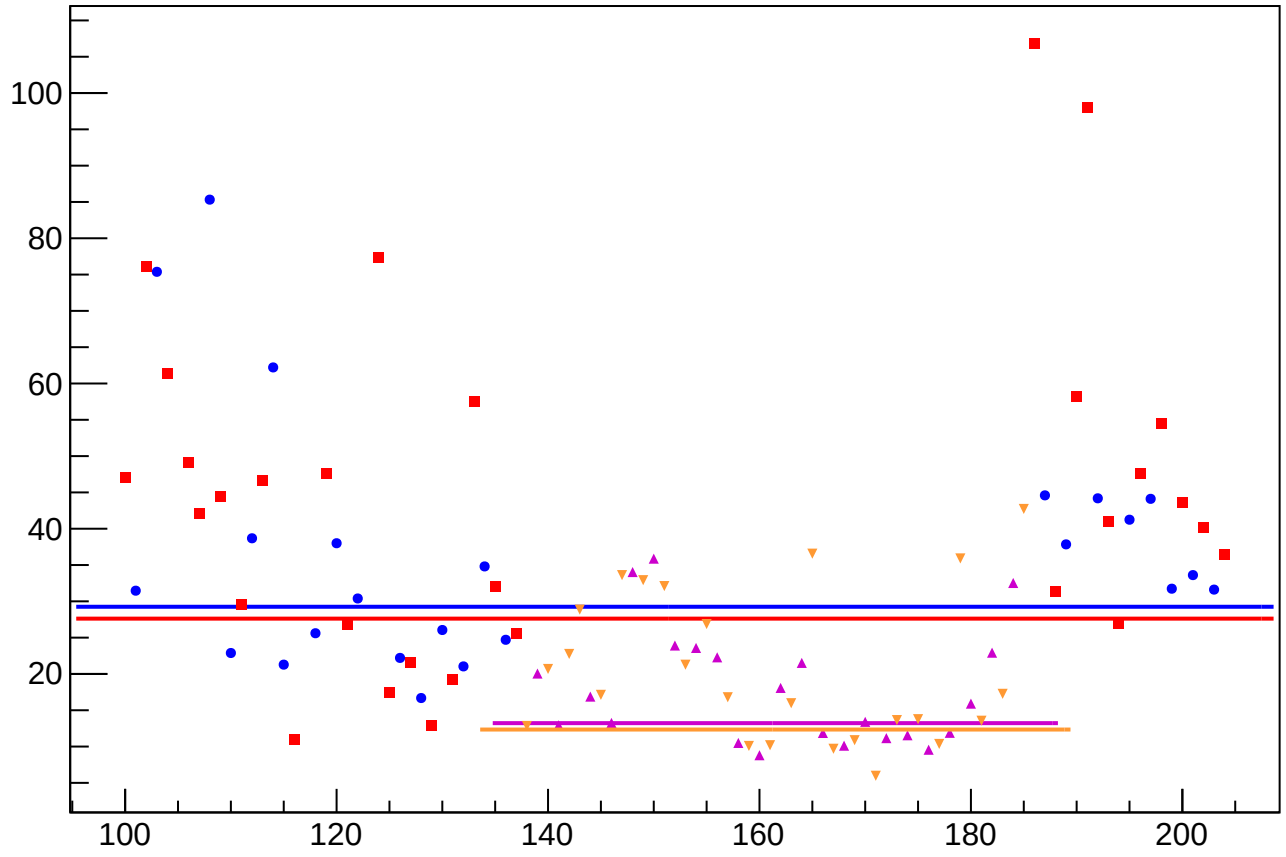
Right Out: 0.017+/-0.009 χ^2/NDF: 18.4/29

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 82.5/48

All: 0.007+/-0.002 χ^2/NDF: 140.2/101

- sign 0.006+/-0.003 χ^2/NDF: 57.5/52



Right In: 29.253+/-0.007 χ^2/NDF: 2155996.5/23

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

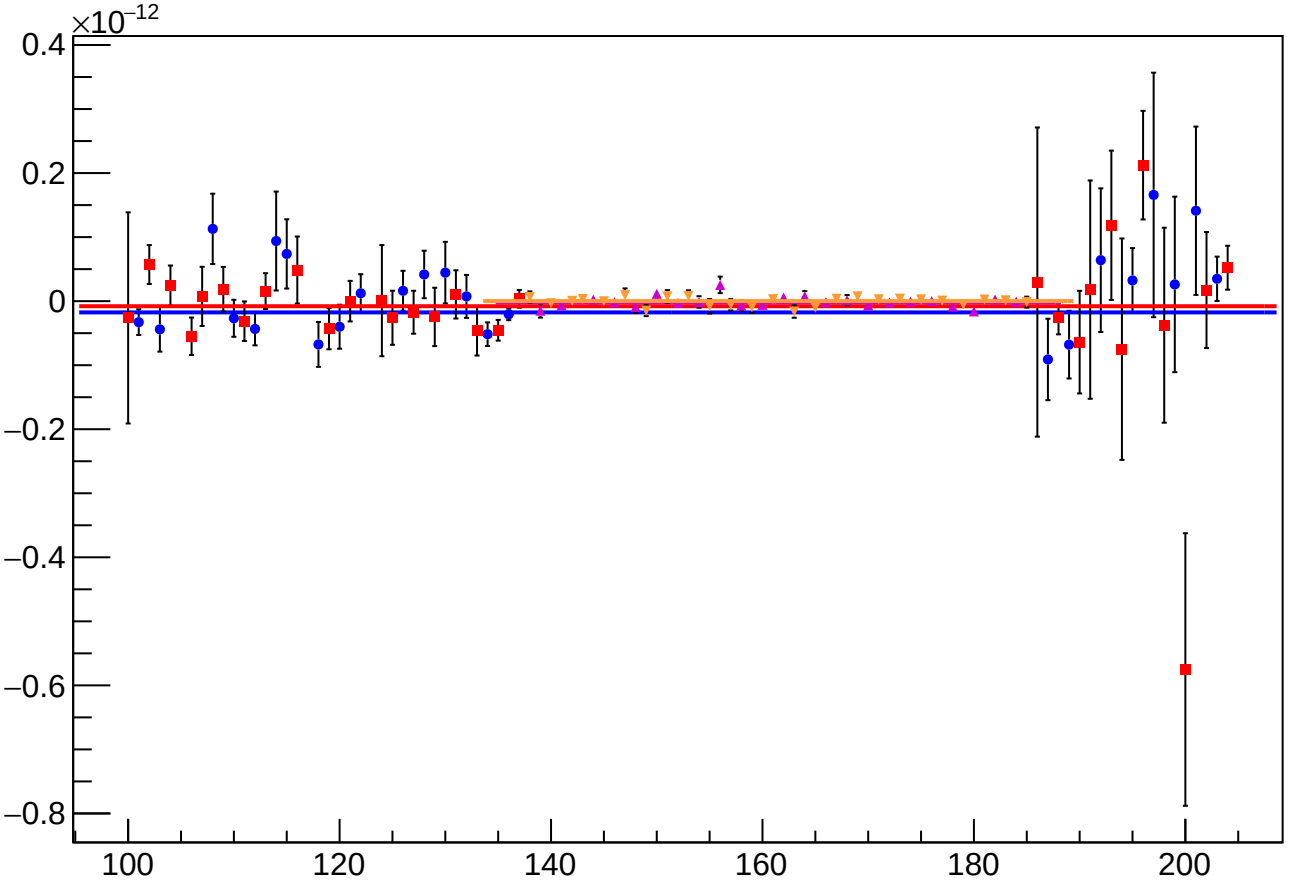
Right Out: 27.617+/-0.006 χ^2/NDF: 5709110.5/29

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.416+/-0.002 χ^2/NDF: 14776766.6/48

All: 14.852+/-0.002 χ^2/NDF: 29004752.7/101

- sign 15.323+/-0.002 χ^2/NDF: 14152427.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

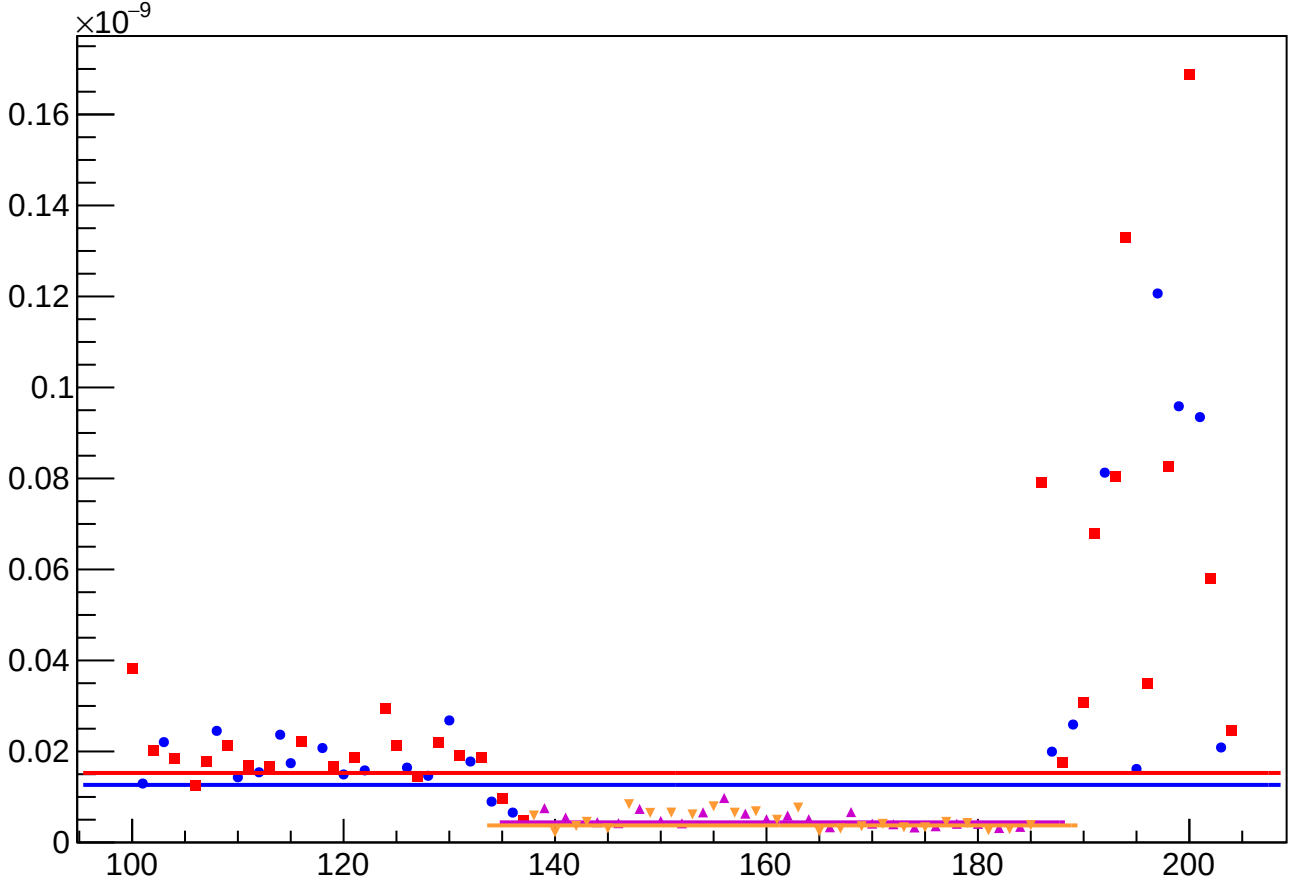
Right Out: -0.000+/-0.000 χ^2/NDF: 39.8/29

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.7/48

All: -0.000+/-0.000 χ^2/NDF: 131.7/101

- sign -0.000+/-0.000 χ^2/NDF: 66.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 4832951.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5925048.1/29

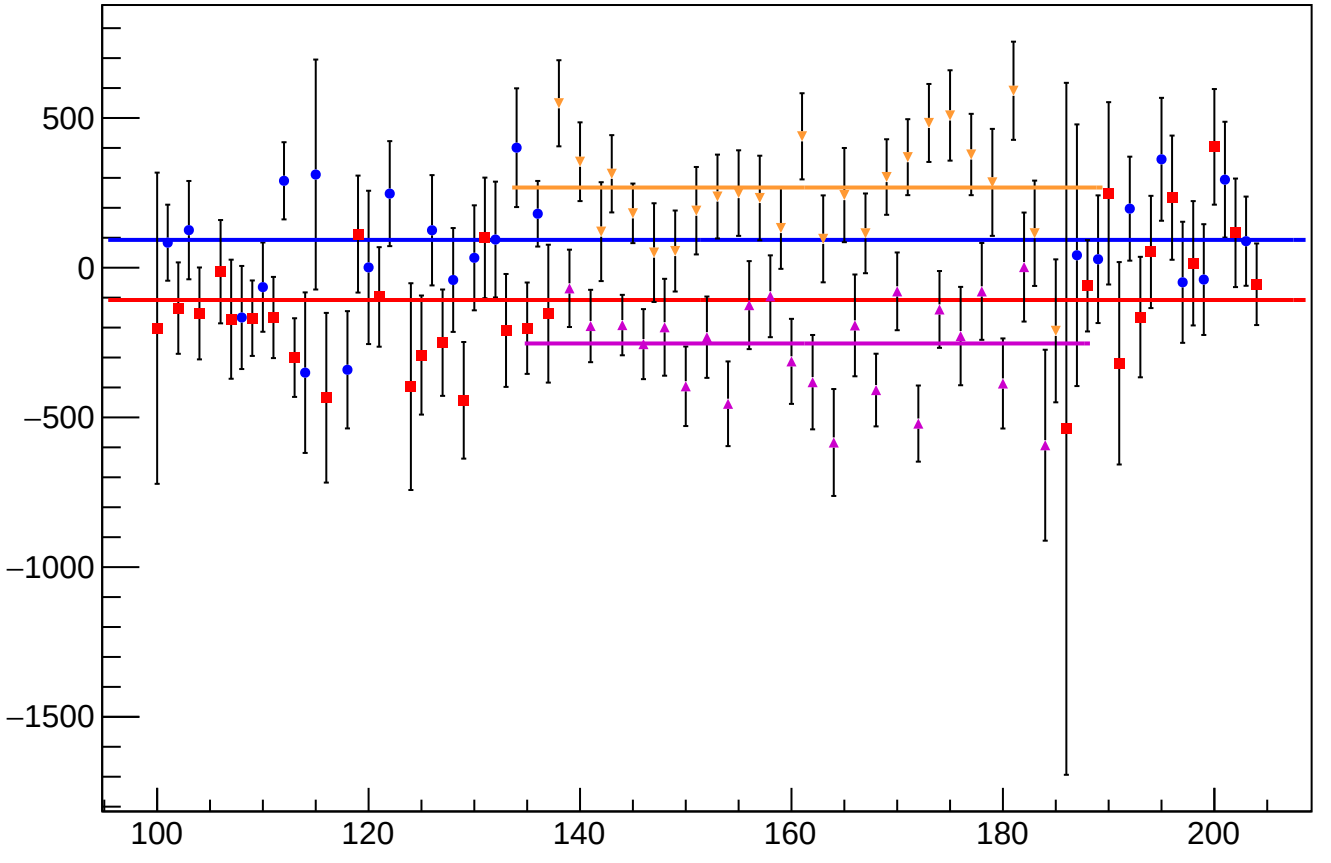
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12421598.0/48

All: 0.000+/-0.000 χ^2/NDF: 26093267.6/101

- sign 0.000+/-0.000 χ^2/NDF: 13262546.1/52

reg_asym_sam_48_dd_mean vs Slug



Right In: 92.863+/-35.969 χ^2/NDF: 22.7/23

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -107.853+/-33.739 χ^2/NDF: 27.2/29

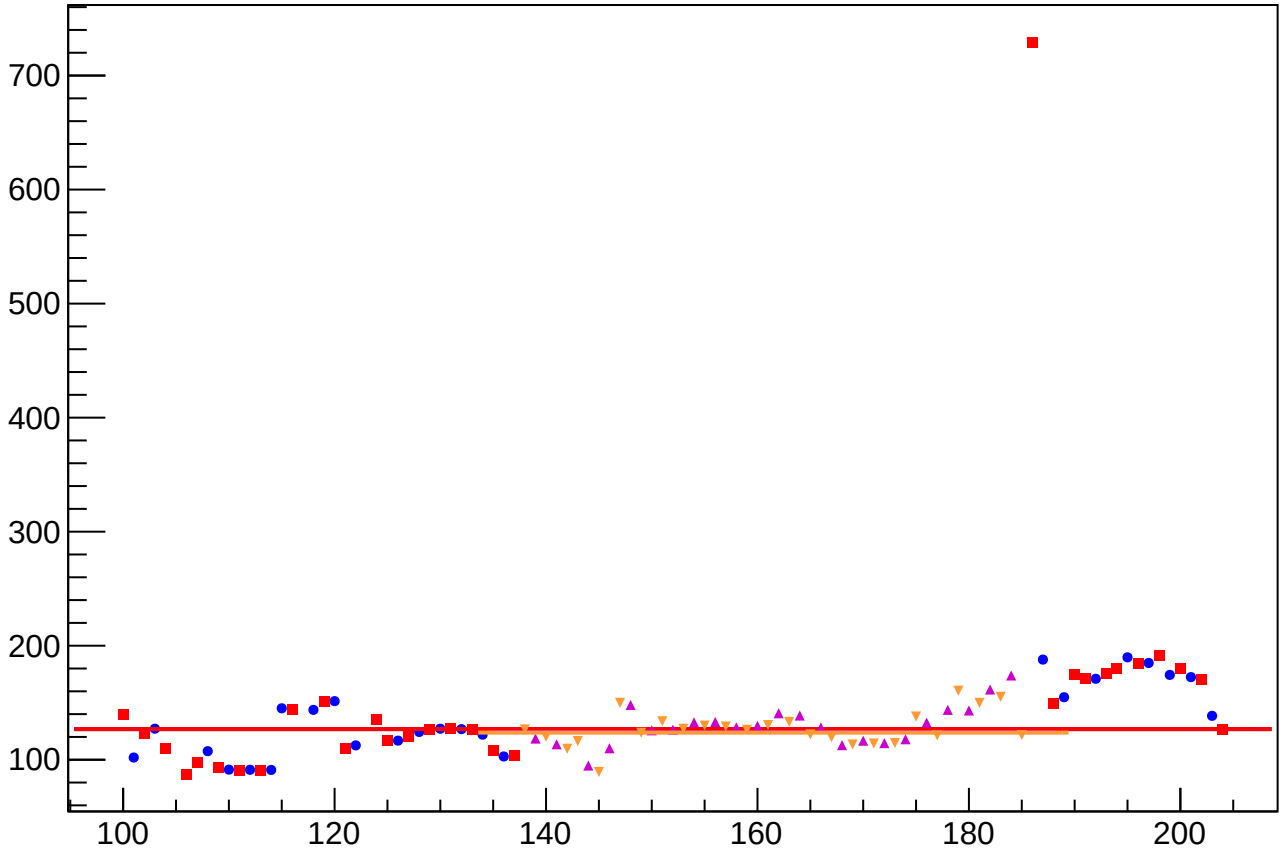
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 200.588+/-22.293 χ^2/NDF: 68.3/48

All: 3.542+/-15.705 χ^2/NDF: 287.3/101

- sign -190.592+/-22.128 χ^2/NDF: 64.0/52

reg_asym_sam_48_dd_rms vs Slug



Right In: 126.850+/-0.025 χ^2/NDF: 1369742.4/23

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.880+/-0.024 χ^2/NDF: 2304493.0/29

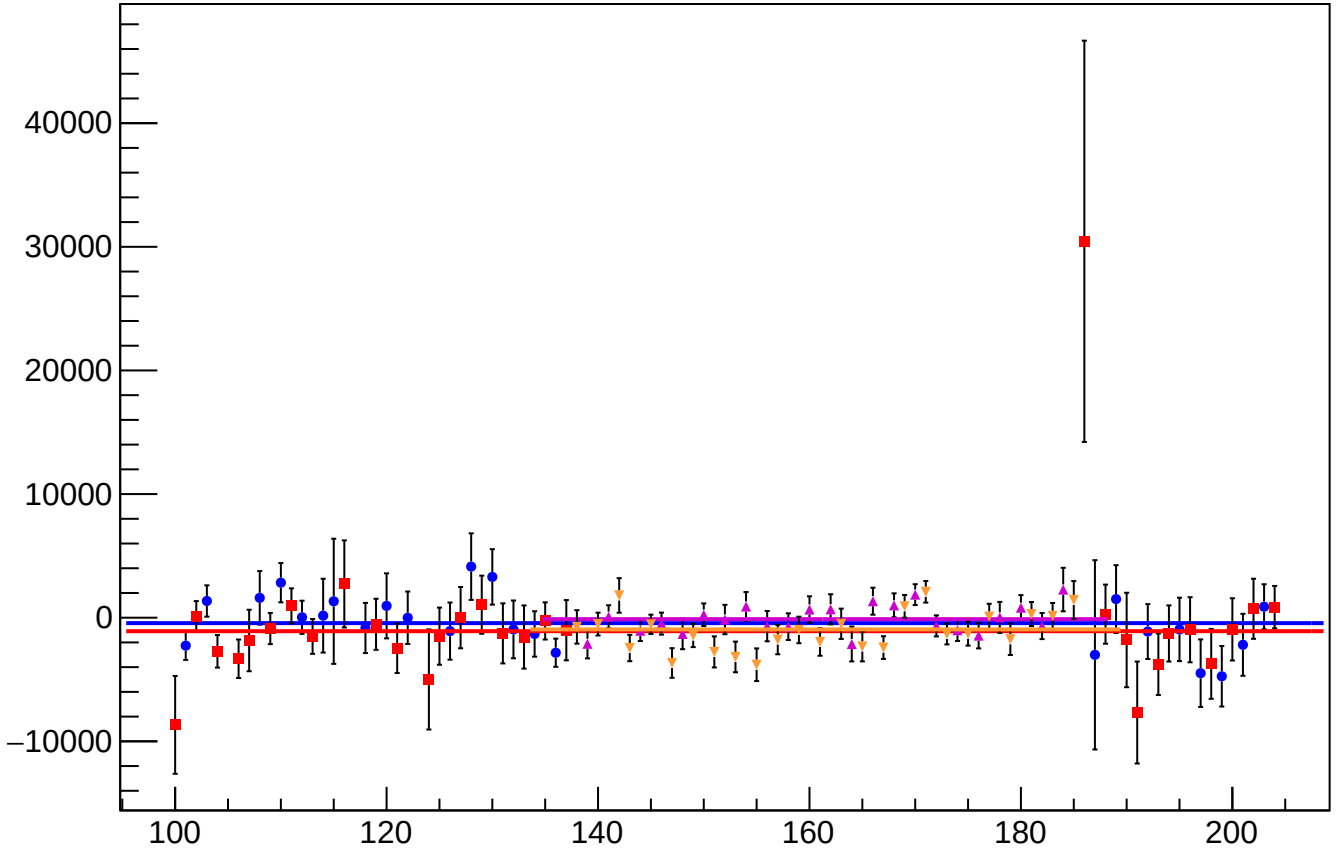
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 124.976+/-0.016 χ^2/NDF: 1977001.8/48

All: 125.183+/-0.011 χ^2/NDF: 4845929.2/101

- sign 125.386+/-0.016 χ^2/NDF: 2868586.6/52

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -439.092+/-397.133 χ^2/NDF: 27.7/23

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1090.432+/-373.036 χ^2/NDF: 25.1/29

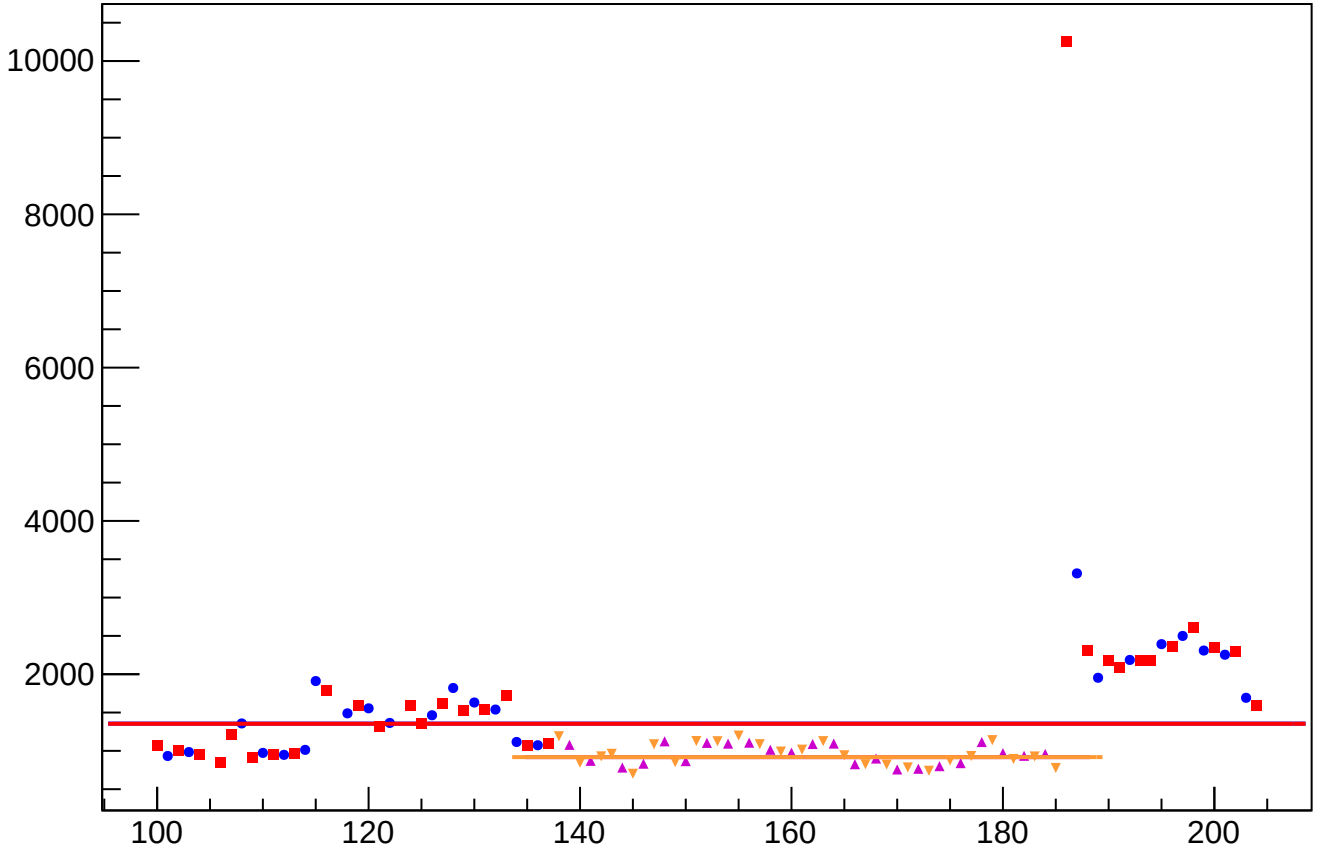
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -835.092+/-186.879 χ^2/NDF: 79.3/48

All: -600.785+/-132.425 χ^2/NDF: 137.0/101

- sign -364.467+/-187.679 χ^2/NDF: 54.6/52

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1355.874+/-0.281 χ^2/NDF: 2886451.7/23

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

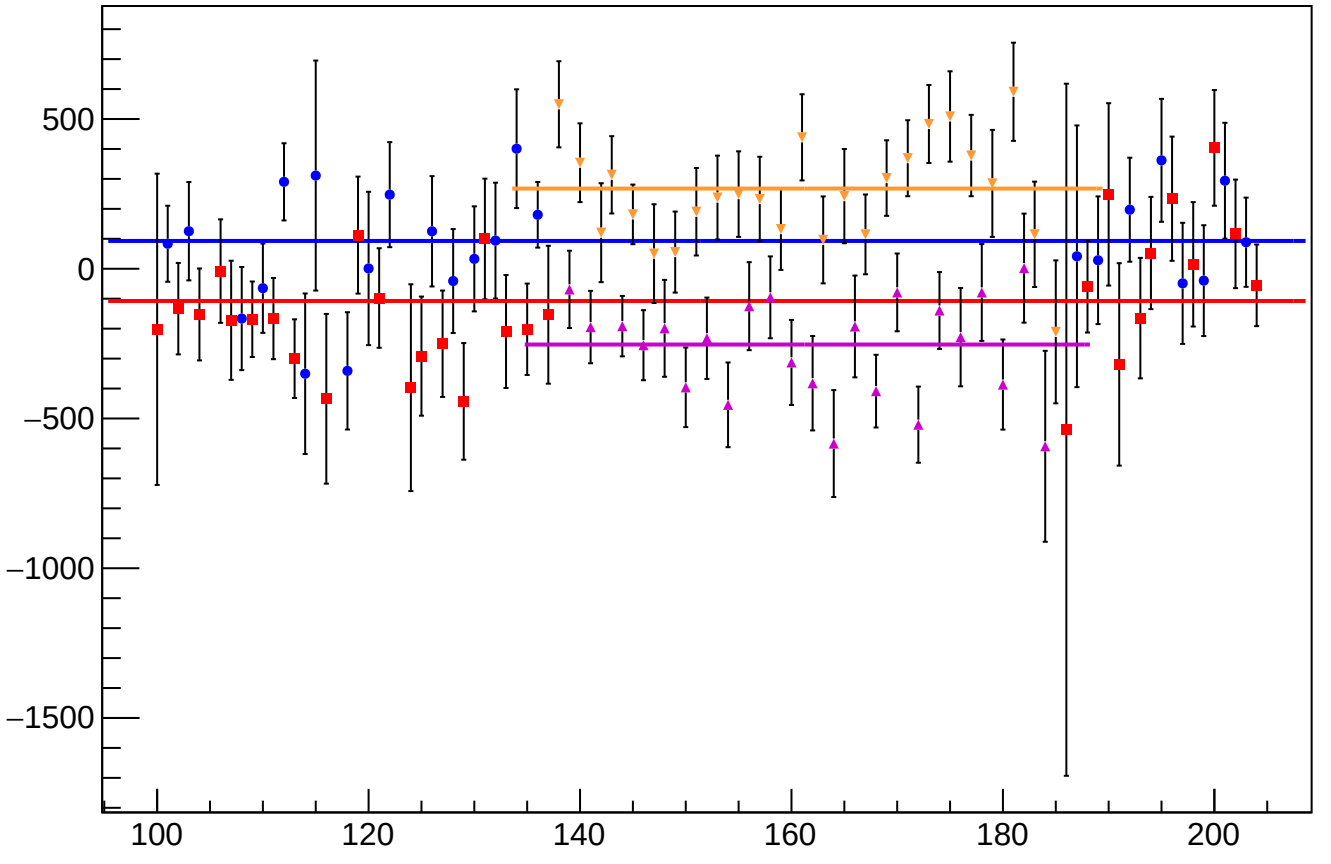
Right Out: 1353.691+/-0.264 χ^2/NDF: 4290285.4/29

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 1015.351+/-0.132 χ^2/NDF: 5662939.0/48

All: 1021.869+/-0.094 χ^2/NDF: 12660053.6/1

- sign 1028.443+/-0.133 χ^2/NDF: 6992228.1/52



Right In: 92.854+/-35.969 χ^2/NDF: 22.7/23

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -107.576+/-33.742 χ^2/NDF: 27.2/29

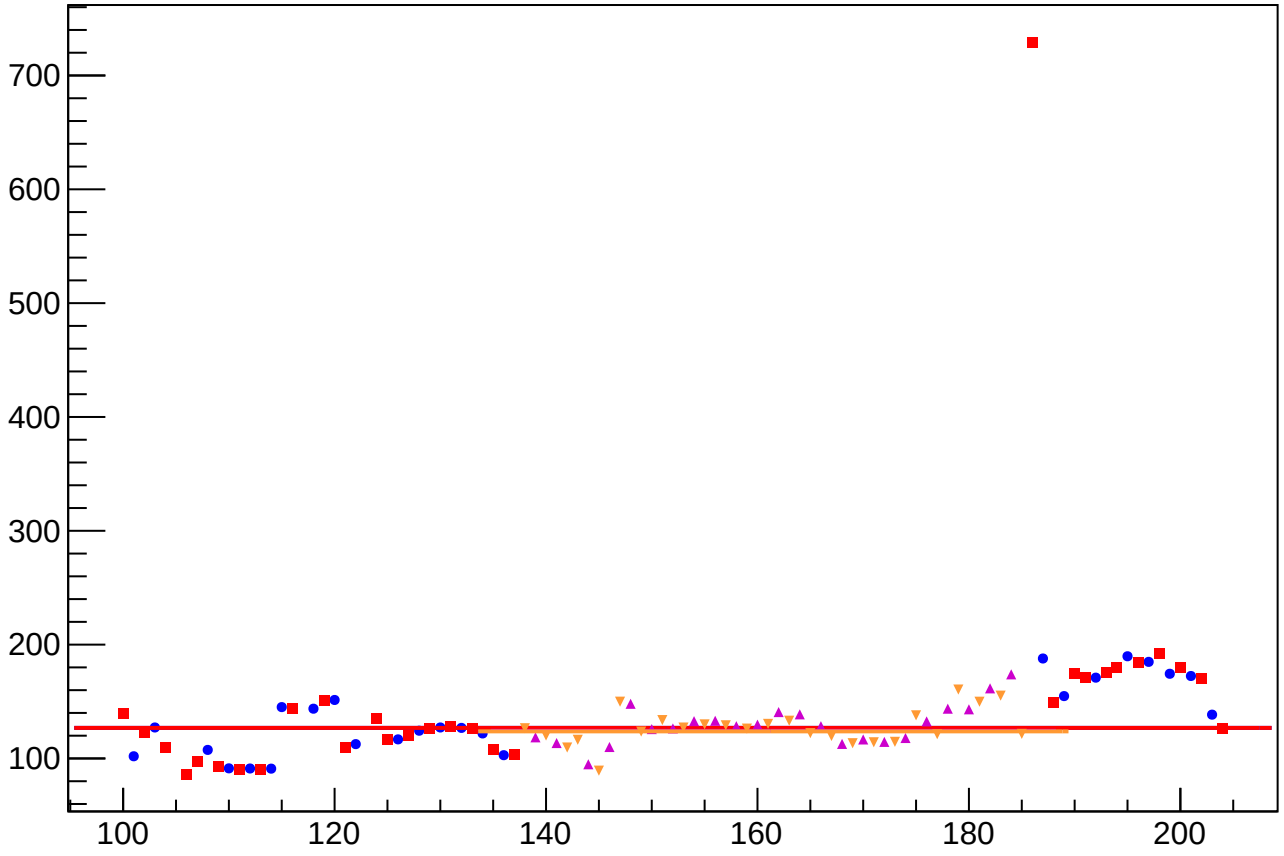
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

\+ sign 200.591+/-22.293 χ^2/NDF: 68.3/48

All: 3.607+/-15.705 χ^2/NDF: 287.3/101

\- sign -190.481+/-22.129 χ^2/NDF: 64.0/52

cor_asym_sam_48_dd_rms vs Slug



Right In: 126.850+/-0.025 χ^2/NDF: 1369742.5/23

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.845+/-0.024 χ^2/NDF: 2310265.3/29

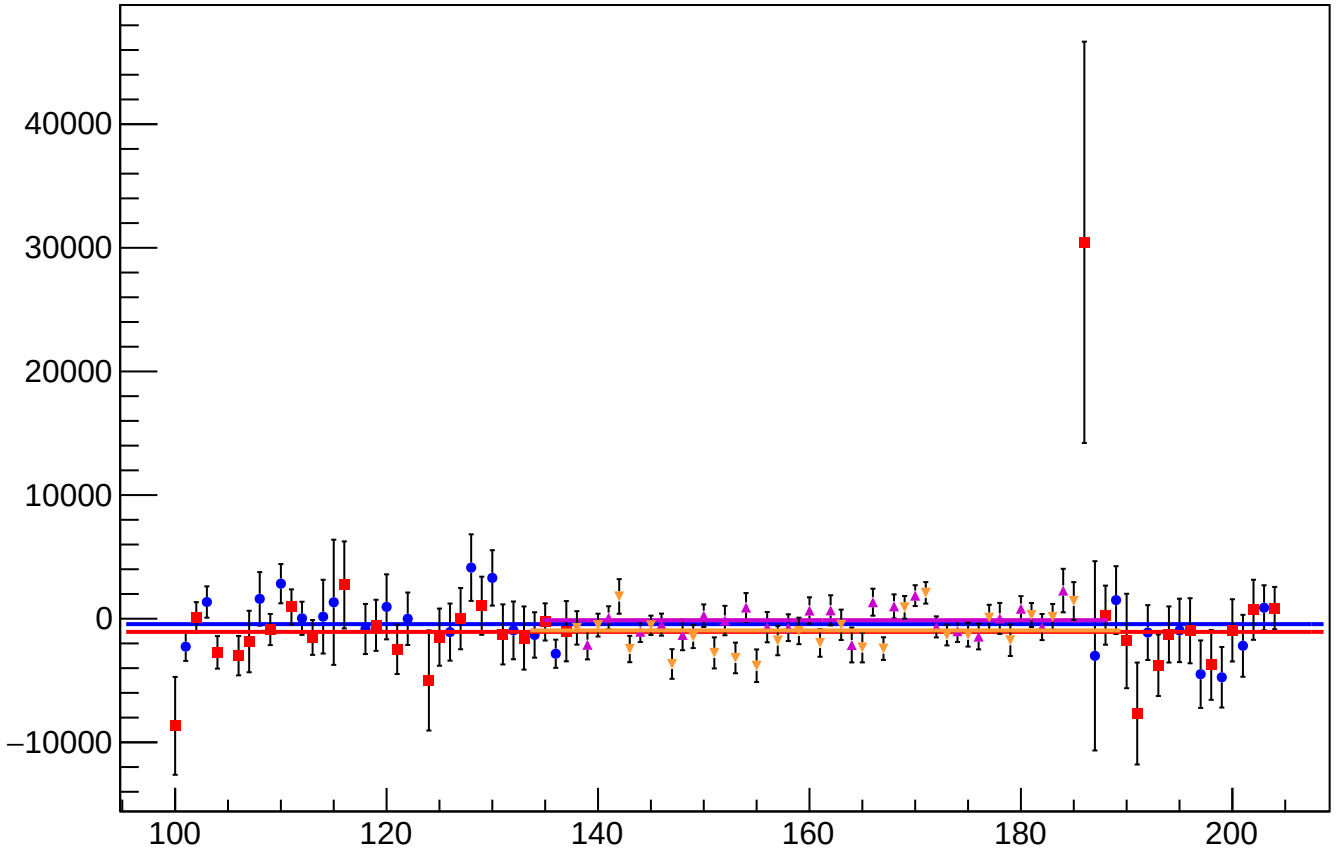
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 124.976+/-0.016 χ^2/NDF: 1977002.0/48

All: 125.175+/-0.011 χ^2/NDF: 4851491.8/101

- sign 125.371+/-0.016 χ^2/NDF: 2874174.0/52

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -439.165+/-397.135 χ^2/NDF: 27.7/23

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1066.472+/-373.540 χ^2/NDF: 24.5/29

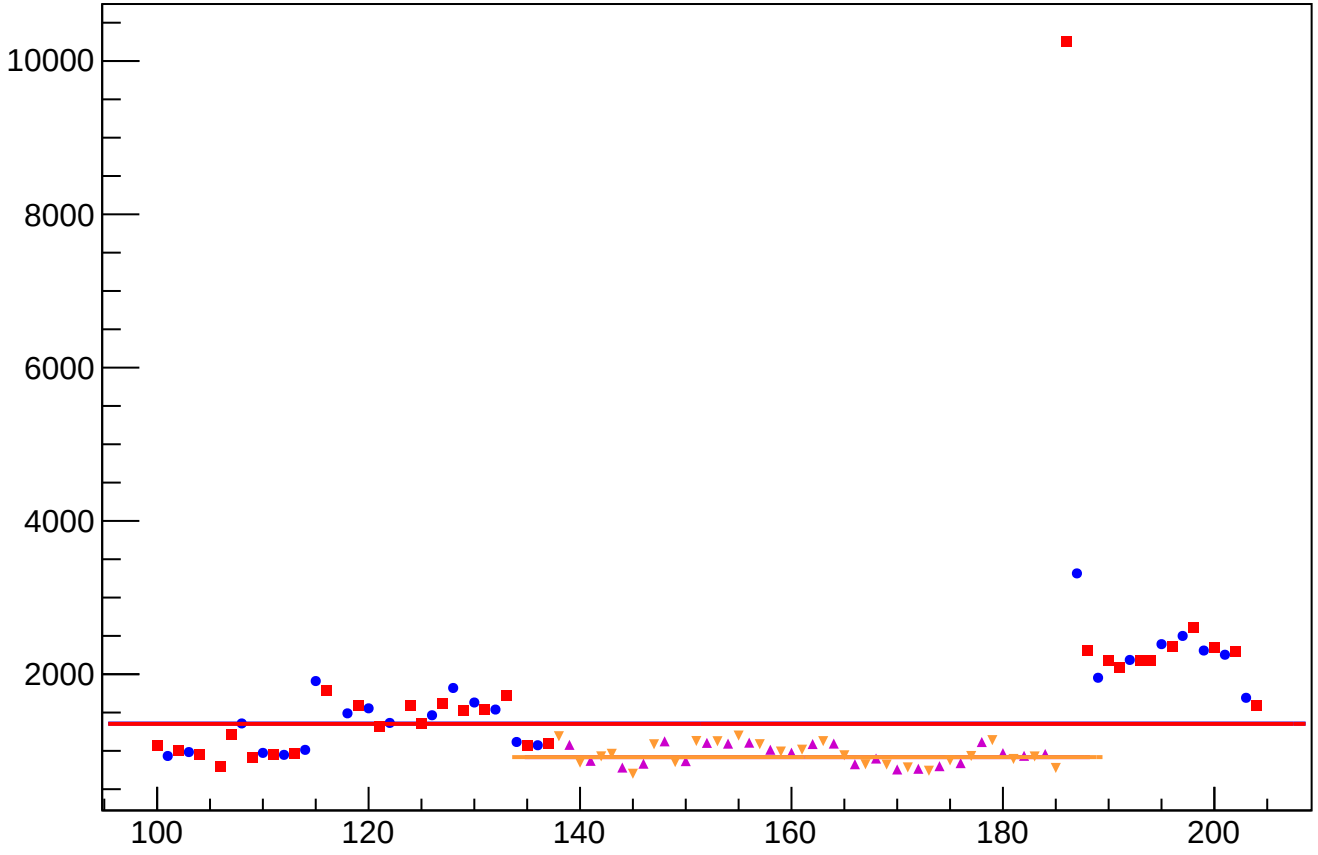
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -835.100+/-186.879 χ^2/NDF: 79.3/48

All: -597.611+/-132.448 χ^2/NDF: 136.2/101

- sign -357.921+/-187.743 χ^2/NDF: 53.7/52

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1355.884+/-0.281 χ^2/NDF: 2886378.2/23

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1352.301+/-0.264 χ^2/NDF: 4322541.2/29

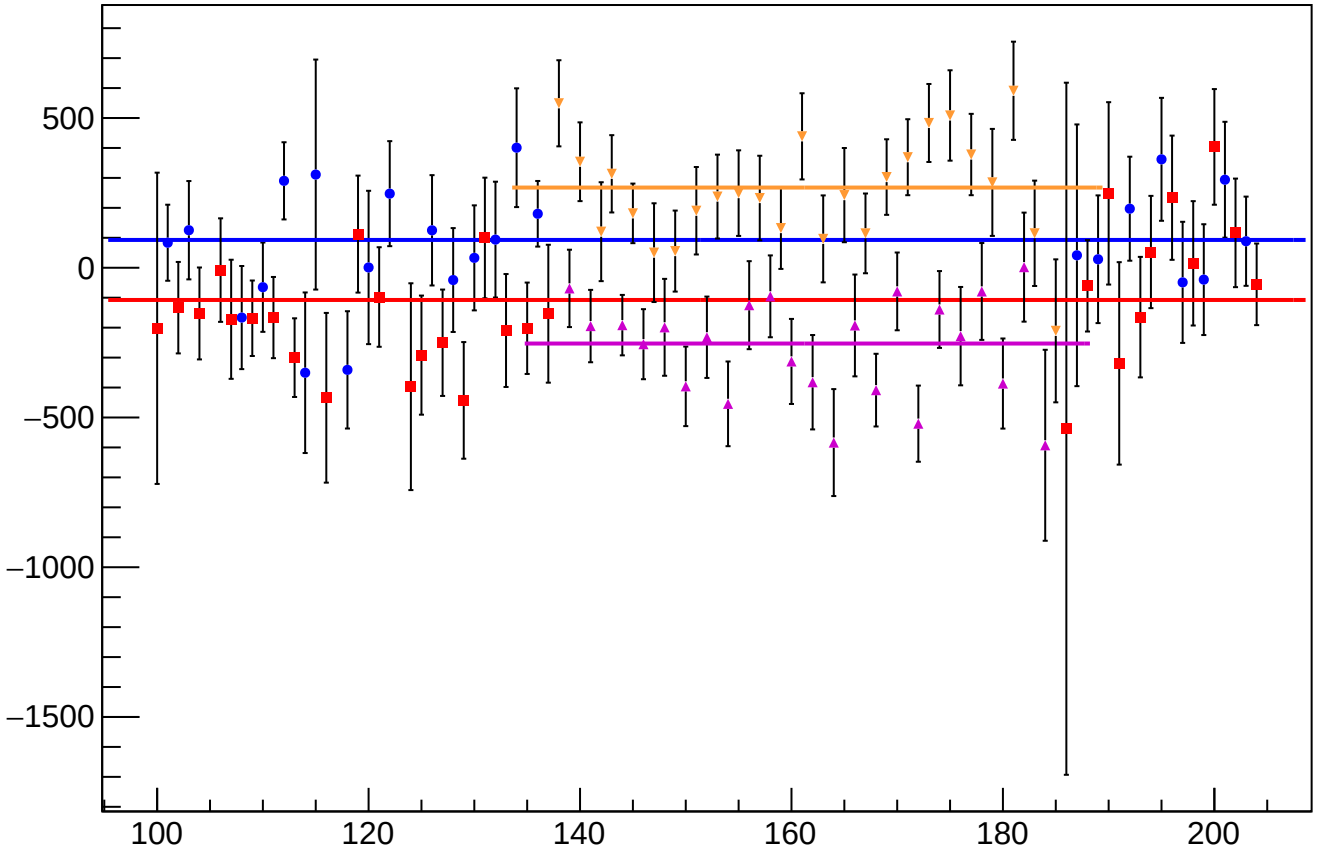
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1015.353+/-0.132 χ^2/NDF: 5662934.2/48

All: 1021.582+/-0.094 χ^2/NDF: 12674831.7/1

- sign 1027.870+/-0.133 χ^2/NDF: 7007431.9/52

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 92.854+/-35.969 χ^2/NDF: 22.7/23

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -107.576+/-33.742 χ^2/NDF: 27.2/29

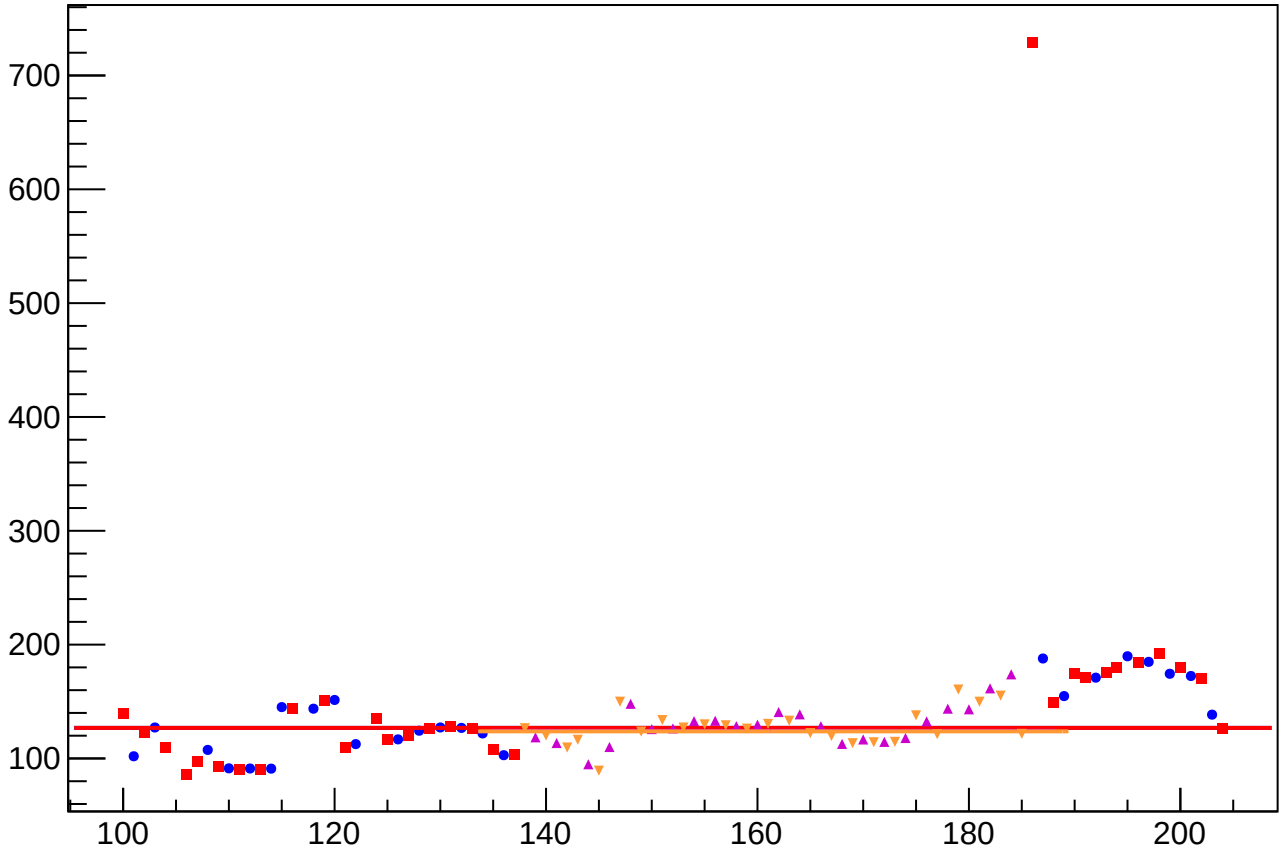
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 200.591+/-22.293 χ^2/NDF: 68.3/48

All: 3.607+/-15.705 χ^2/NDF: 287.3/101

- sign -190.481+/-22.129 χ^2/NDF: 64.0/52

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 126.850+/-0.025 χ^2/NDF: 1369742.5/23

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

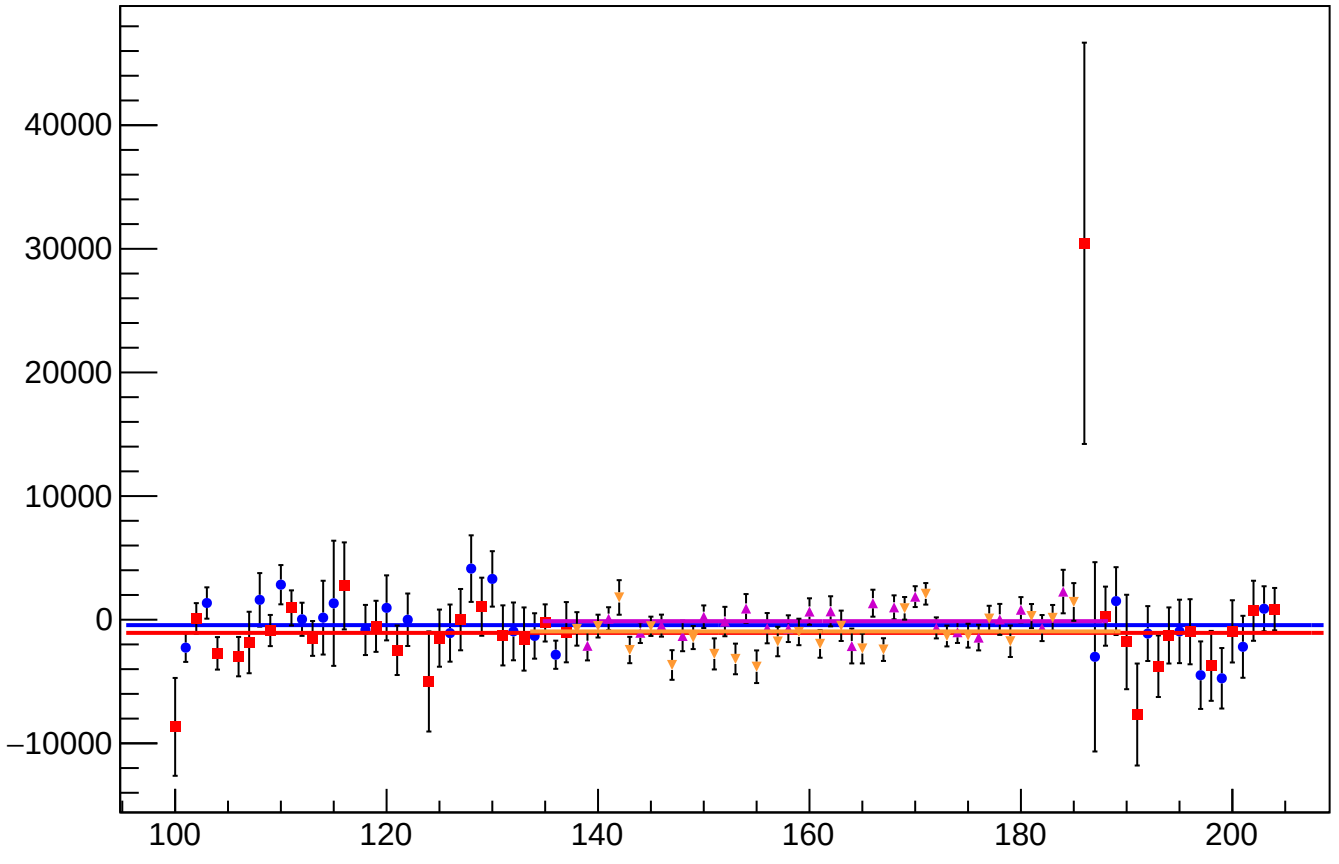
Right Out: 126.845+/-0.024 χ^2/NDF: 2310265.3/29

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 124.976+/-0.016 χ^2/NDF: 1977002.0/48

All: 125.175+/-0.011 χ^2/NDF: 4851491.8/101

- sign 125.371+/-0.016 χ^2/NDF: 2874174.0/52



Right In: -439.165+/-397.135 χ^2/NDF: 27.7/23

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1066.472+/-373.540 χ^2/NDF: 24.5/29

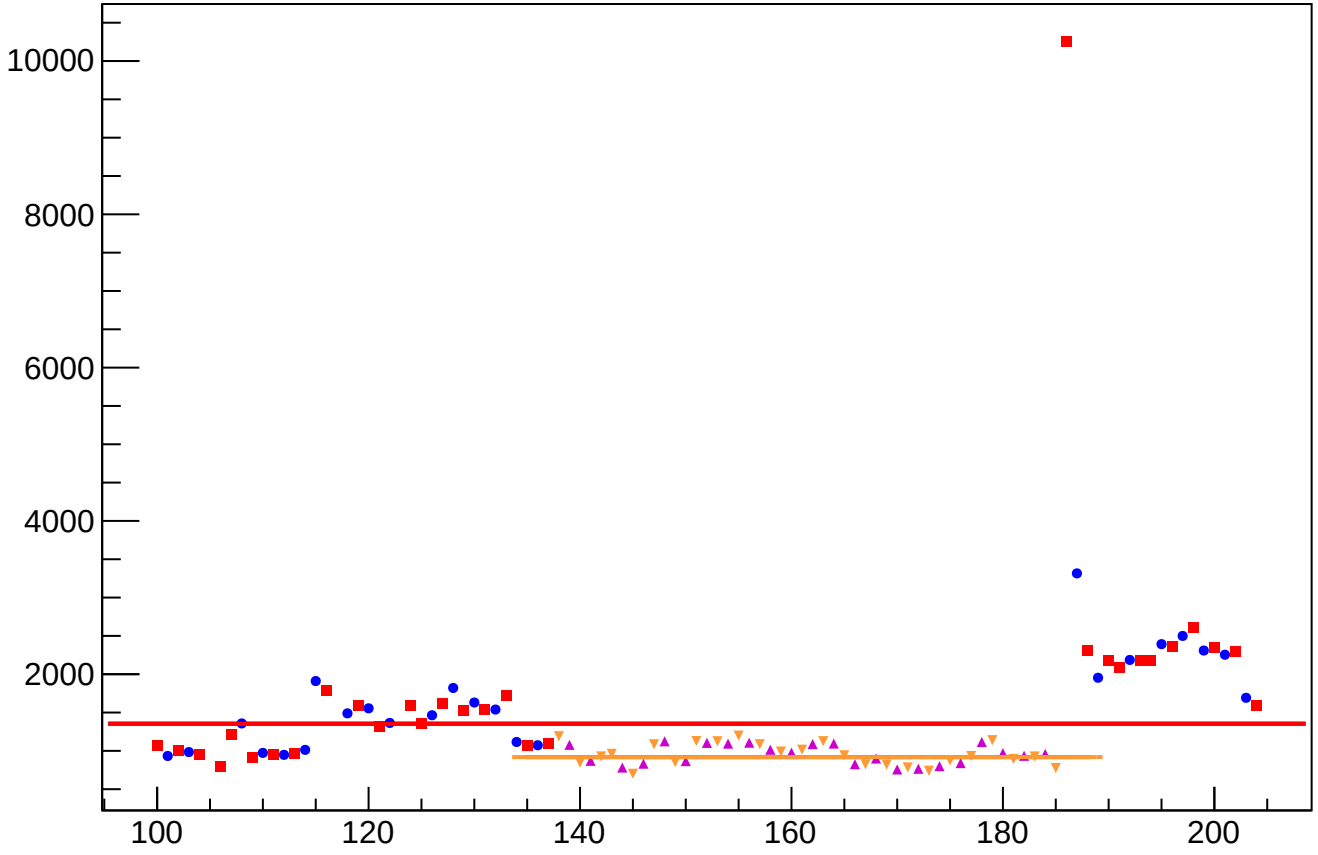
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -835.100+/-186.879 χ^2/NDF: 79.3/48

All: -597.611+/-132.448 χ^2/NDF: 136.2/101

- sign -357.921+/-187.743 χ^2/NDF: 53.7/52

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1355.884+/-0.281 χ^2/NDF: 2886378.2/23

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1352.301+/-0.264 χ^2/NDF: 4322541.2/29

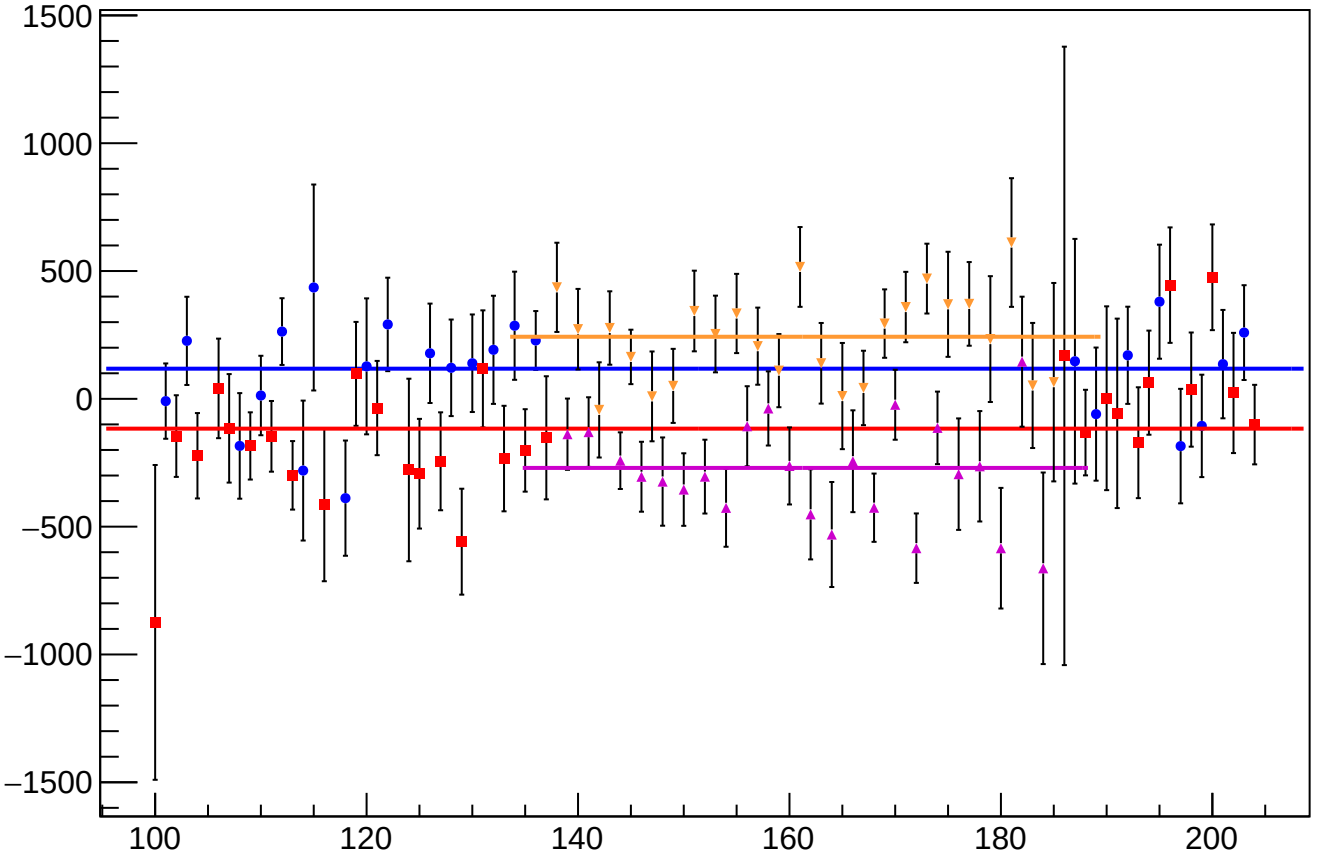
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1015.353+/-0.132 χ^2/NDF: 5662934.2/48

All: 1021.582+/-0.094 χ^2/NDF: 12674831.7/1

- sign 1027.870+/-0.133 χ^2/NDF: 7007431.9/52

dit_asym_sam_48_dd_mean vs Slug



Right In: 117.971+/-39.171 χ^2/NDF: 21.0/23

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -116.586+/-36.407 χ^2/NDF: 30.9/29

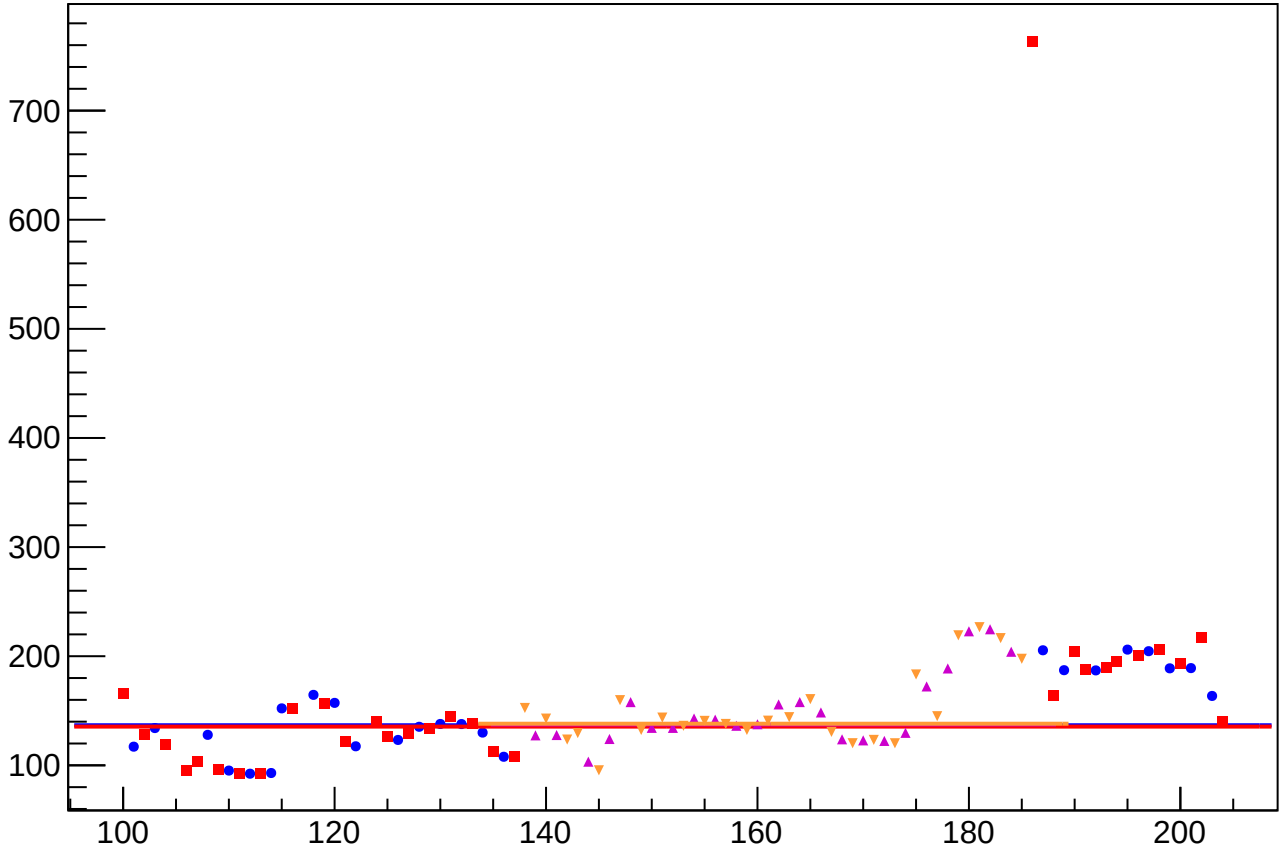
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 192.632+/-24.846 χ^2/NDF: 50.8/48

All: -7.788+/-17.411 χ^2/NDF: 246.0/101

- sign -201.185+/-24.407 χ^2/NDF: 67.4/52

dit_asym_sam_48_dd_rms vs Slug



Right In: 136.739+/-0.028 χ^2/NDF: 1603170.5/23

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 135.497+/-0.026 χ^2/NDF: 2620592.3/29

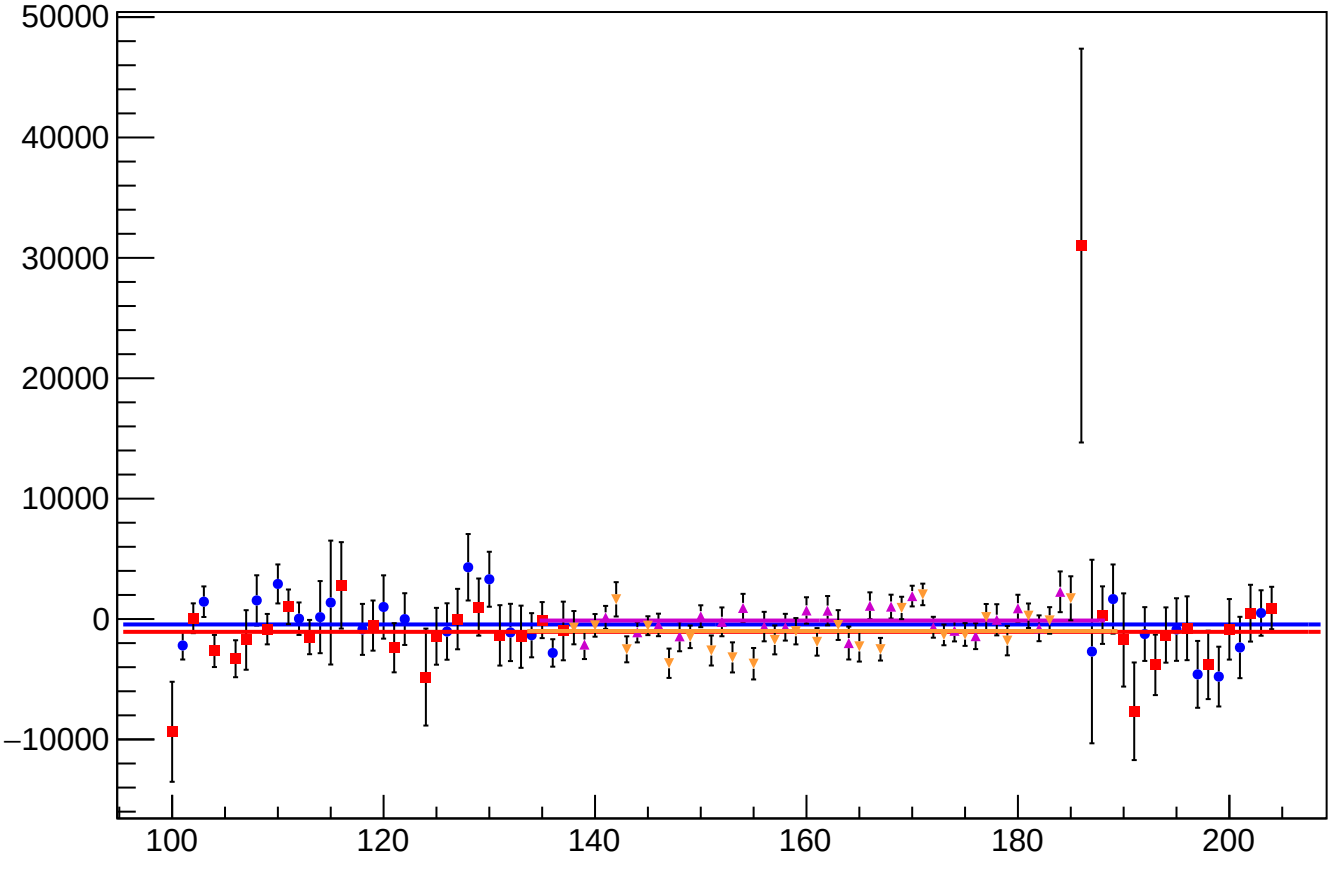
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 137.569+/-0.018 χ^2/NDF: 2942980.6/48

All: 137.073+/-0.012 χ^2/NDF: 6677775.9/101

- sign 136.595+/-0.017 χ^2/NDF: 3733231.3/52

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -449.865+/-401.270 χ^2/NDF: 27.6/23

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1064.057+/-375.482 χ^2/NDF: 25.3/29

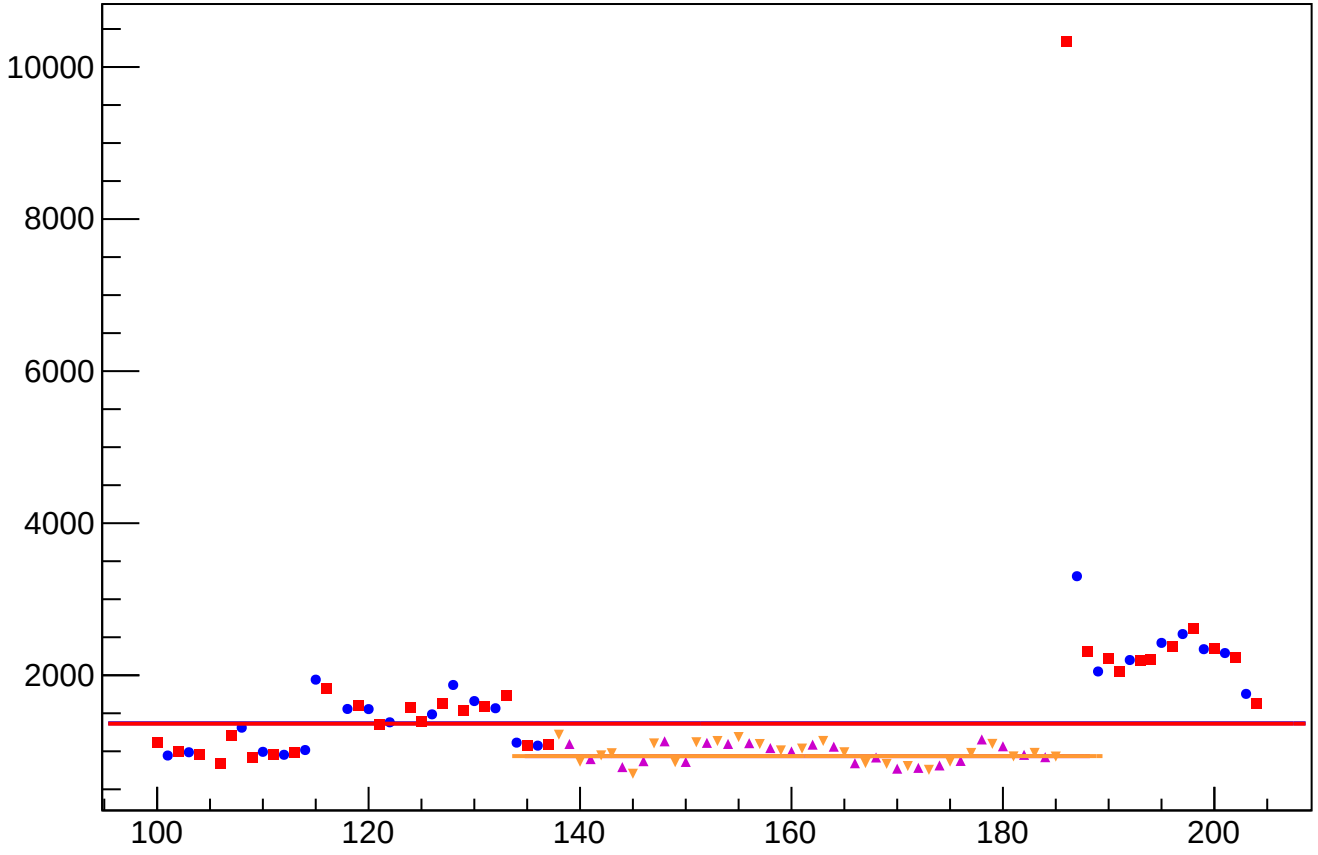
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -871.468+/-189.958 χ^2/NDF: 75.9/48

All: -620.259+/-134.580 χ^2/NDF: 133.2/101

- sign -367.100+/-190.694 χ^2/NDF: 53.8/52

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1368.225+/-0.284 χ^2/NDF: 2972281.0/23

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1363.308+/-0.266 χ^2/NDF: 4285923.2/29

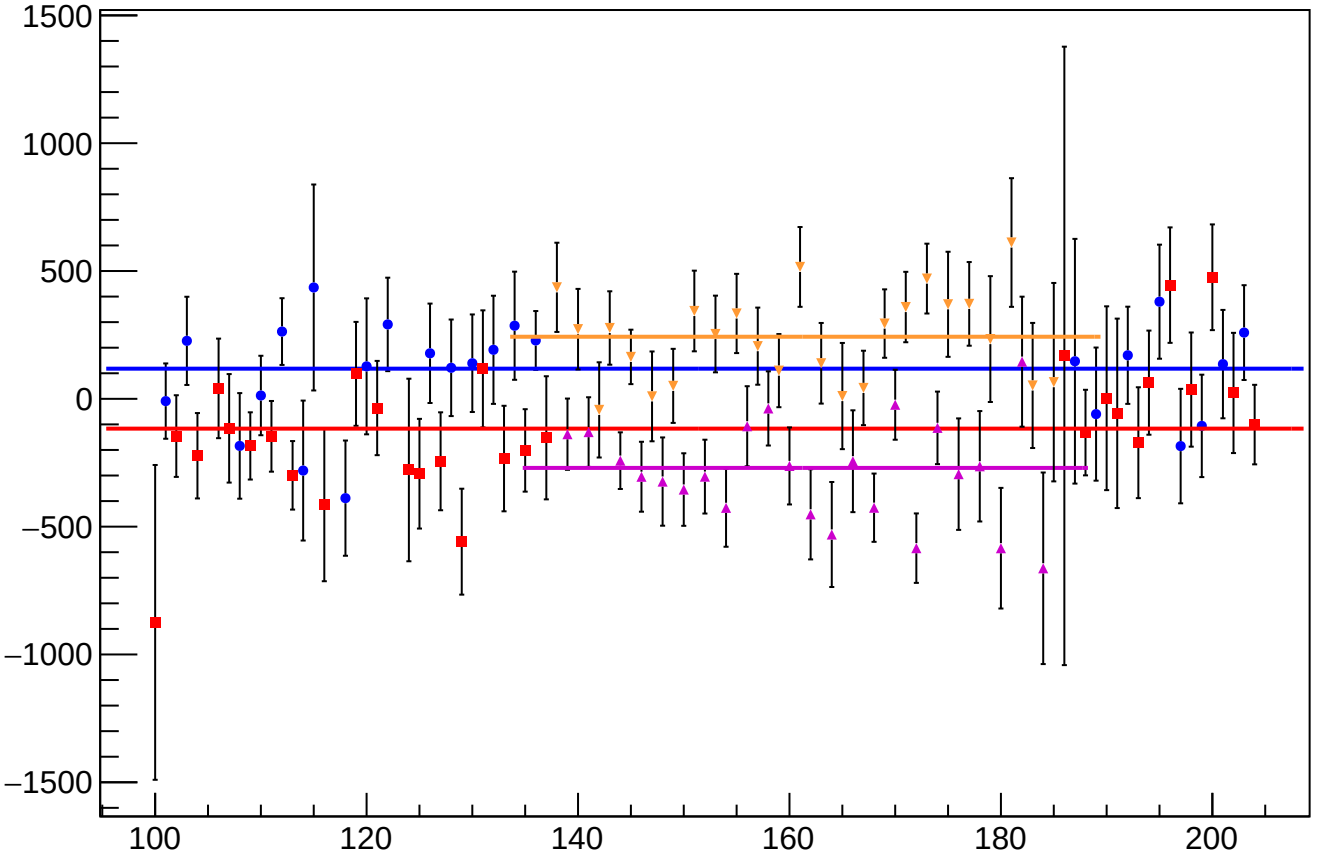
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1033.438+/-0.134 χ^2/NDF: 5598994.1/48

All: 1039.942+/-0.095 χ^2/NDF: 12451078.3/1

- sign 1046.496+/-0.135 χ^2/NDF: 6847377.1/52

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 117.973+/-39.171 χ^2/NDF: 21.0/23

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -116.586+/-36.407 χ^2/NDF: 30.9/29

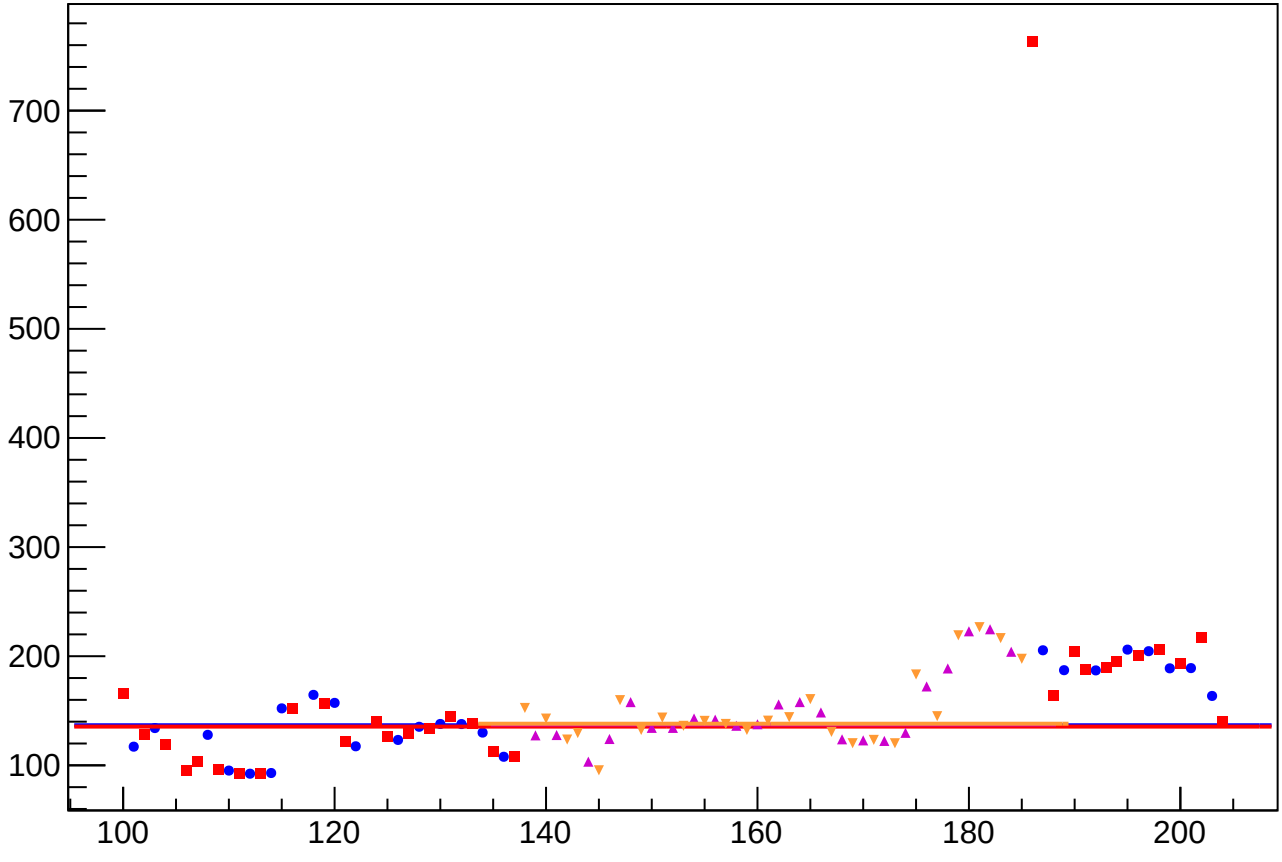
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 192.634+/-24.846 χ^2/NDF: 50.8/48

All: -7.787+/-17.411 χ^2/NDF: 246.0/101

- sign -201.186+/-24.407 χ^2/NDF: 67.4/52

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 136.739+/-0.028 χ^2/NDF: 1603158.0/23

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

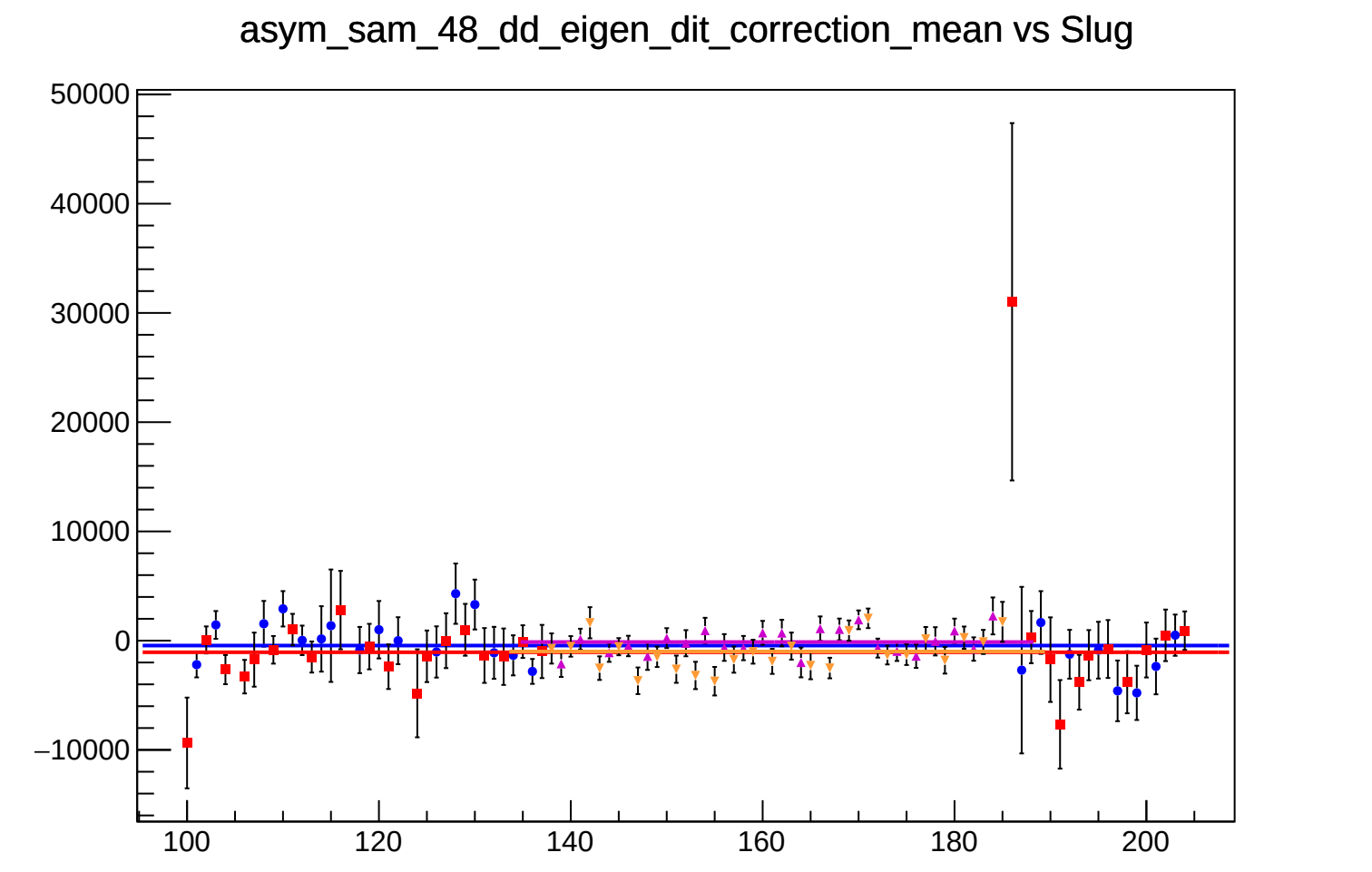
Right Out: 135.497+/-0.026 χ^2/NDF: 2620599.1/29

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 137.569+/-0.018 χ^2/NDF: 2942971.4/48

All: 137.073+/-0.012 χ^2/NDF: 6677759.7/101

- sign 136.595+/-0.017 χ^2/NDF: 3733224.4/52



Right In: -449.864+/-401.270 χ^2/NDF: 27.6/23

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

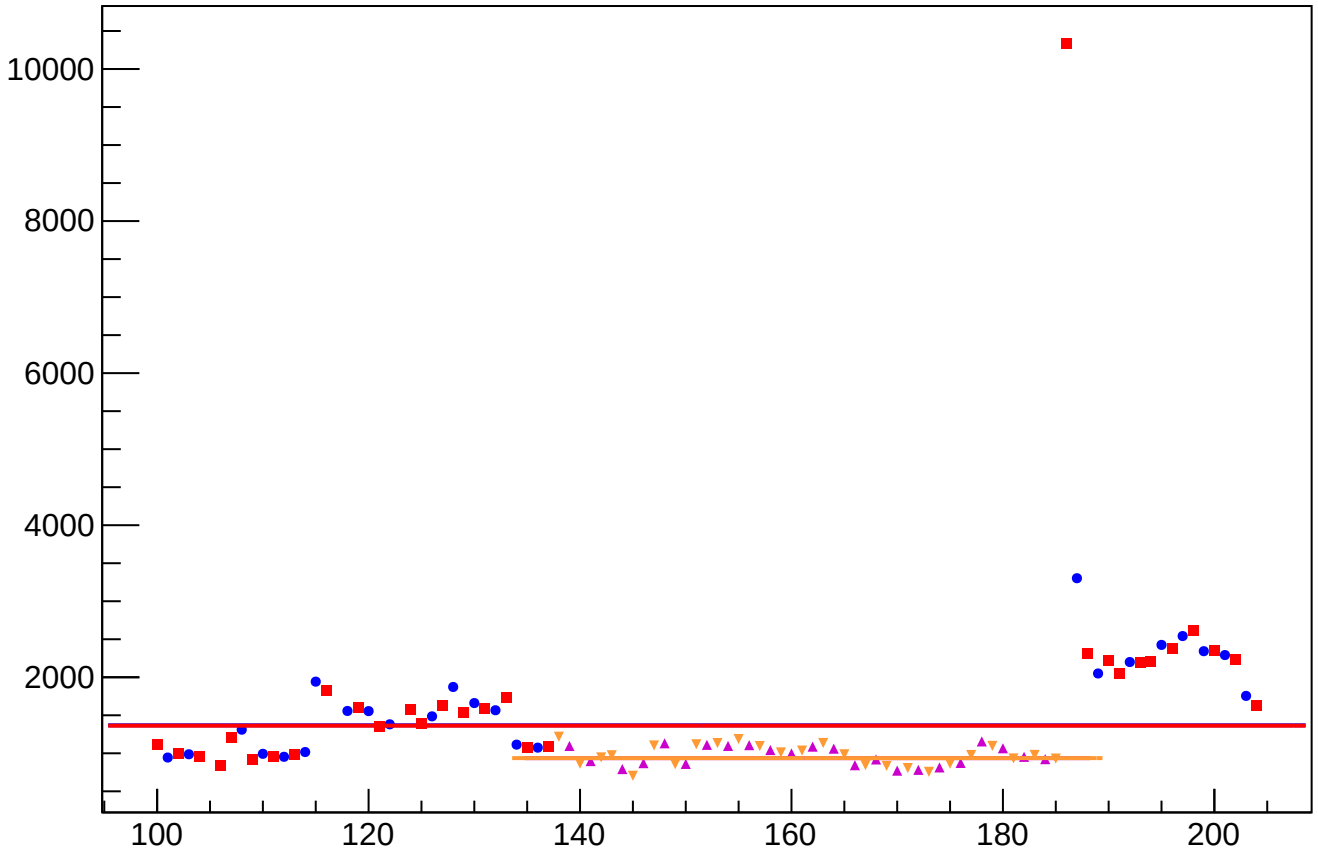
Right Out: -1064.057+/-375.482 χ^2/NDF: 25.3/29

Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -871.466+/-189.958 χ^2/NDF: 75.9/48

All: -620.258+/-134.580 χ^2/NDF: 133.2/101

- sign -367.099+/-190.693 χ^2/NDF: 53.8/52



Right In: 1368.224+/-0.284 χ^2/NDF: 2972275.2/23

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1363.308+/-0.266 χ^2/NDF: 4285914.9/29

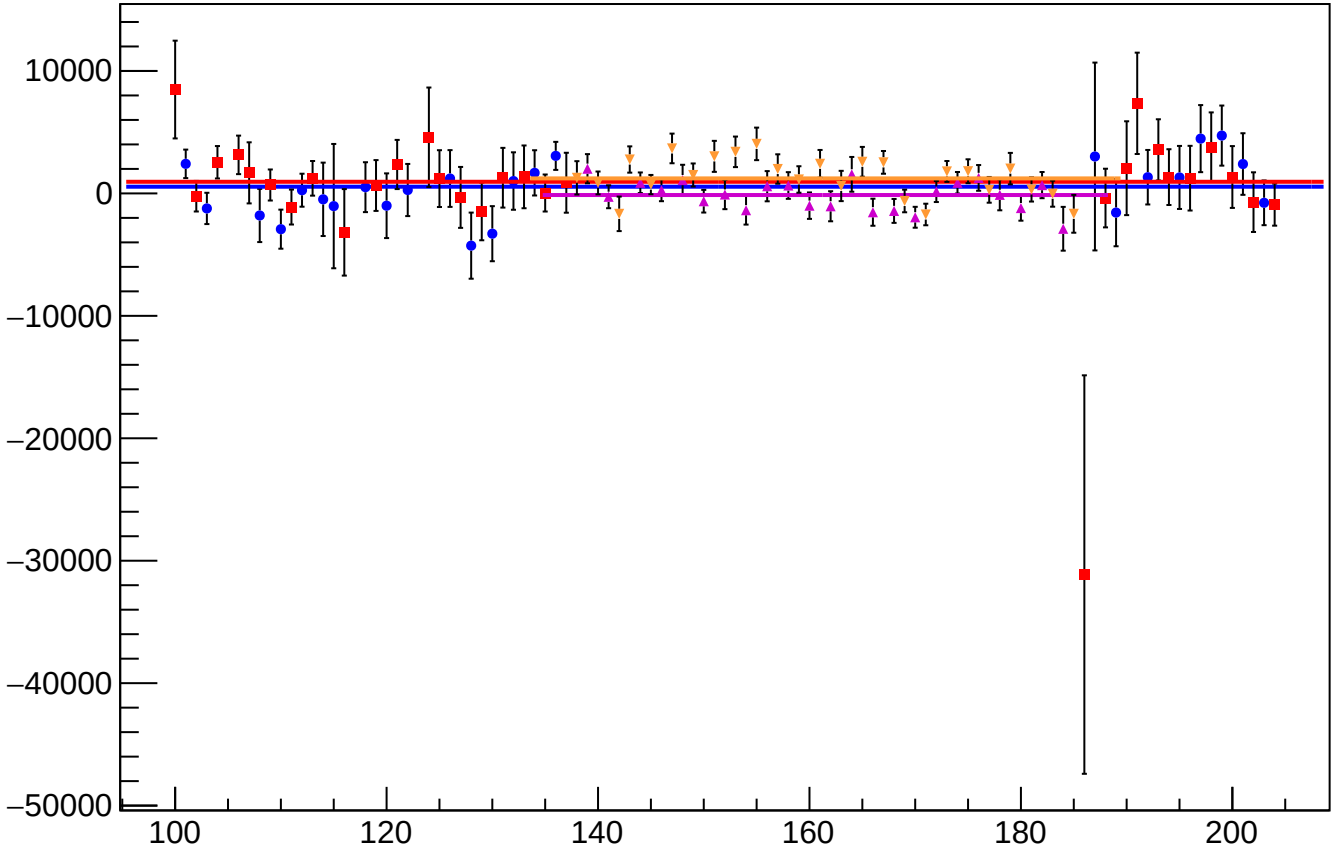
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1033.437+/-0.134 χ^2/NDF: 5598999.5/48

All: 1039.941+/-0.095 χ^2/NDF: 12451080.1/1

- sign 1046.495+/-0.135 χ^2/NDF: 6847373.4/52

asym_sam_48_dd_mean vs Slug



Right In: 546.365+/-399.089 χ^2/NDF: 29.4/23

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 949.990+/-374.914 χ^2/NDF: 25.0/29

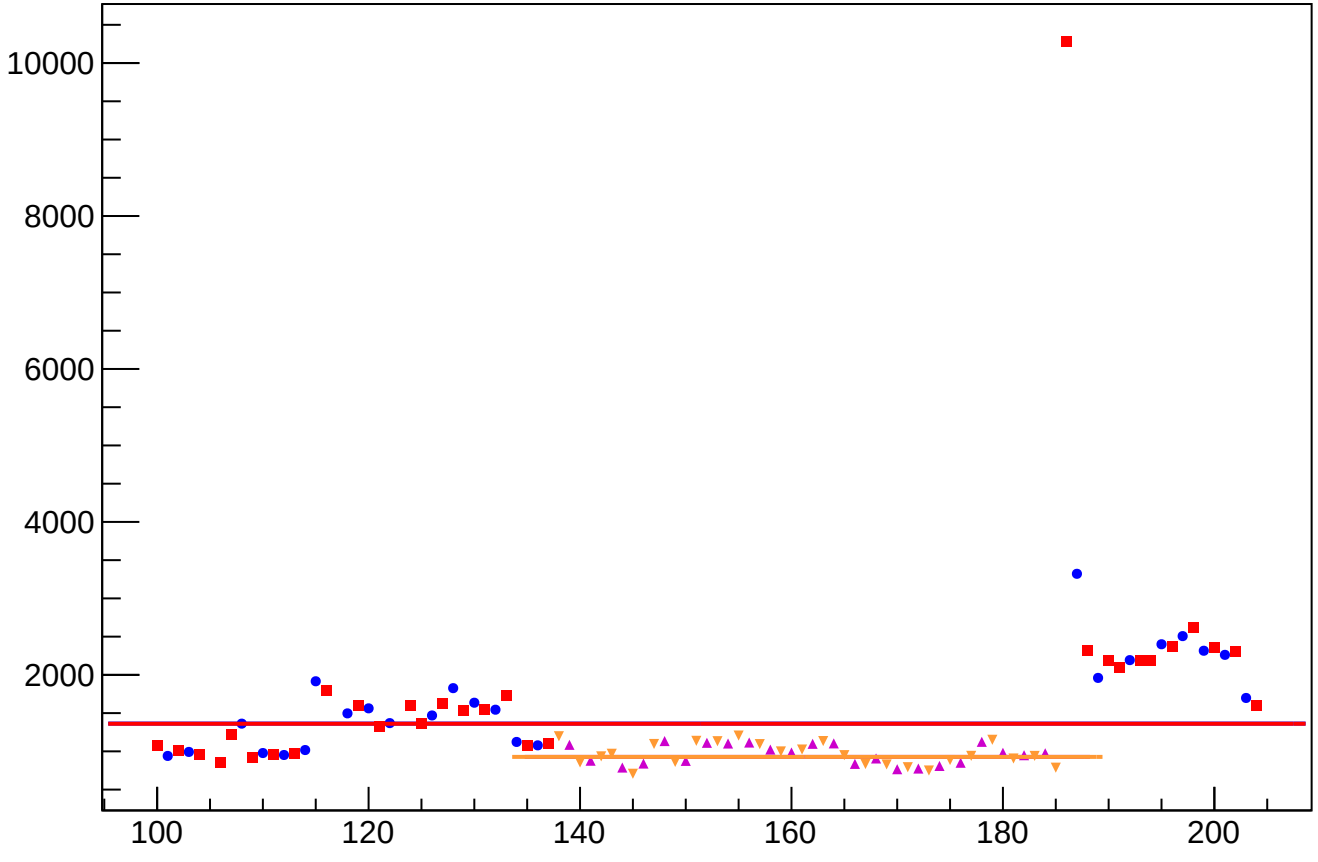
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1074.024+/-188.490 χ^2/NDF: 80.1/48

All: 610.544+/-133.561 χ^2/NDF: 149.3/101

- sign 143.164+/-189.281 χ^2/NDF: 57.1/52

asym_sam_48_dd_rms vs Slug



Right In: 1363.132+/-0.282 χ^2/NDF: 2866868.1/23

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

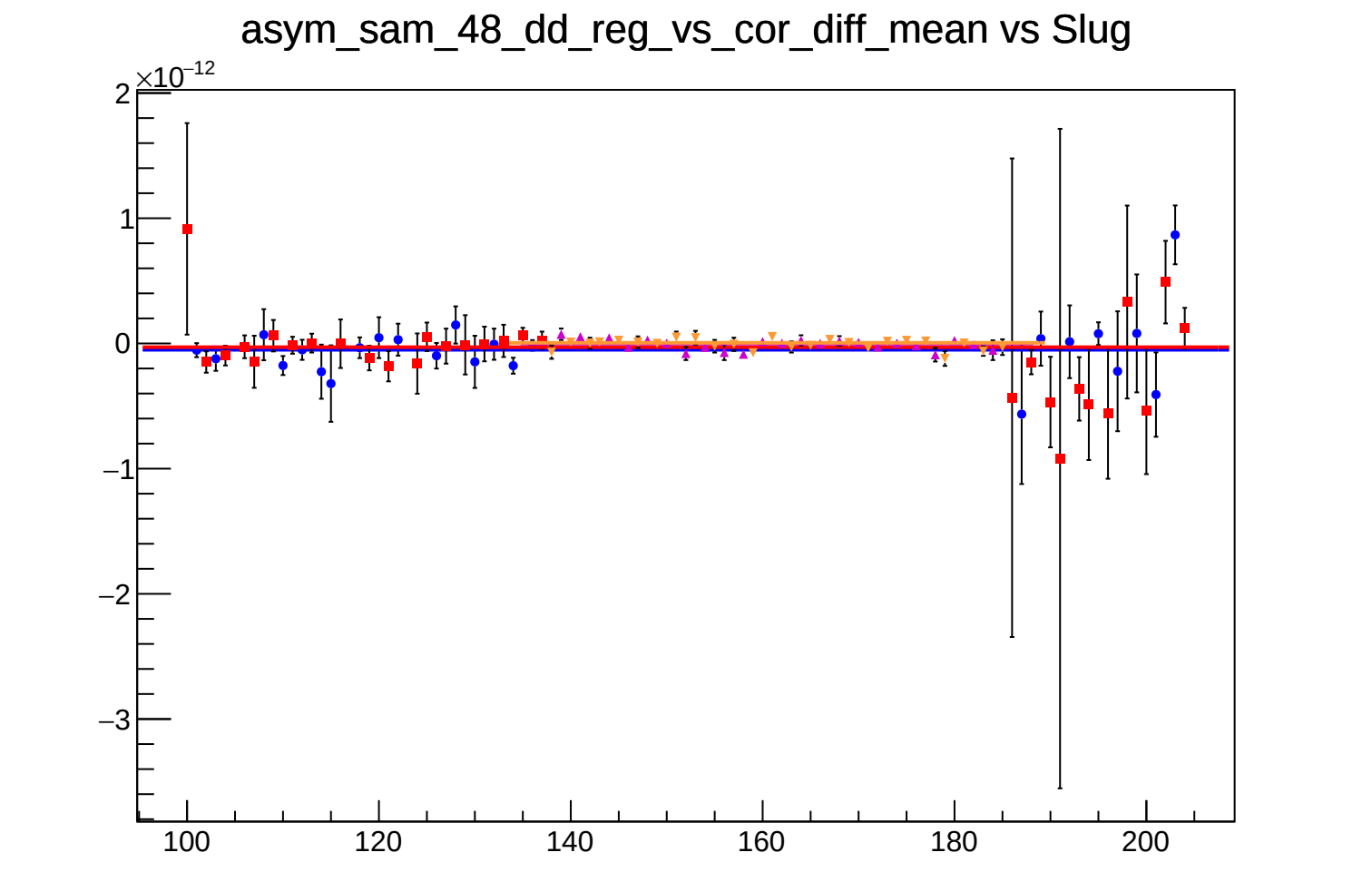
Right Out: 1360.962+/-0.265 χ^2/NDF: 4266326.5/29

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 1024.760+/-0.133 χ^2/NDF: 5592522.0/48

All: 1031.278+/-0.094 χ^2/NDF: 12513844.5/1

- sign 1037.850+/-0.134 χ^2/NDF: 6916519.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

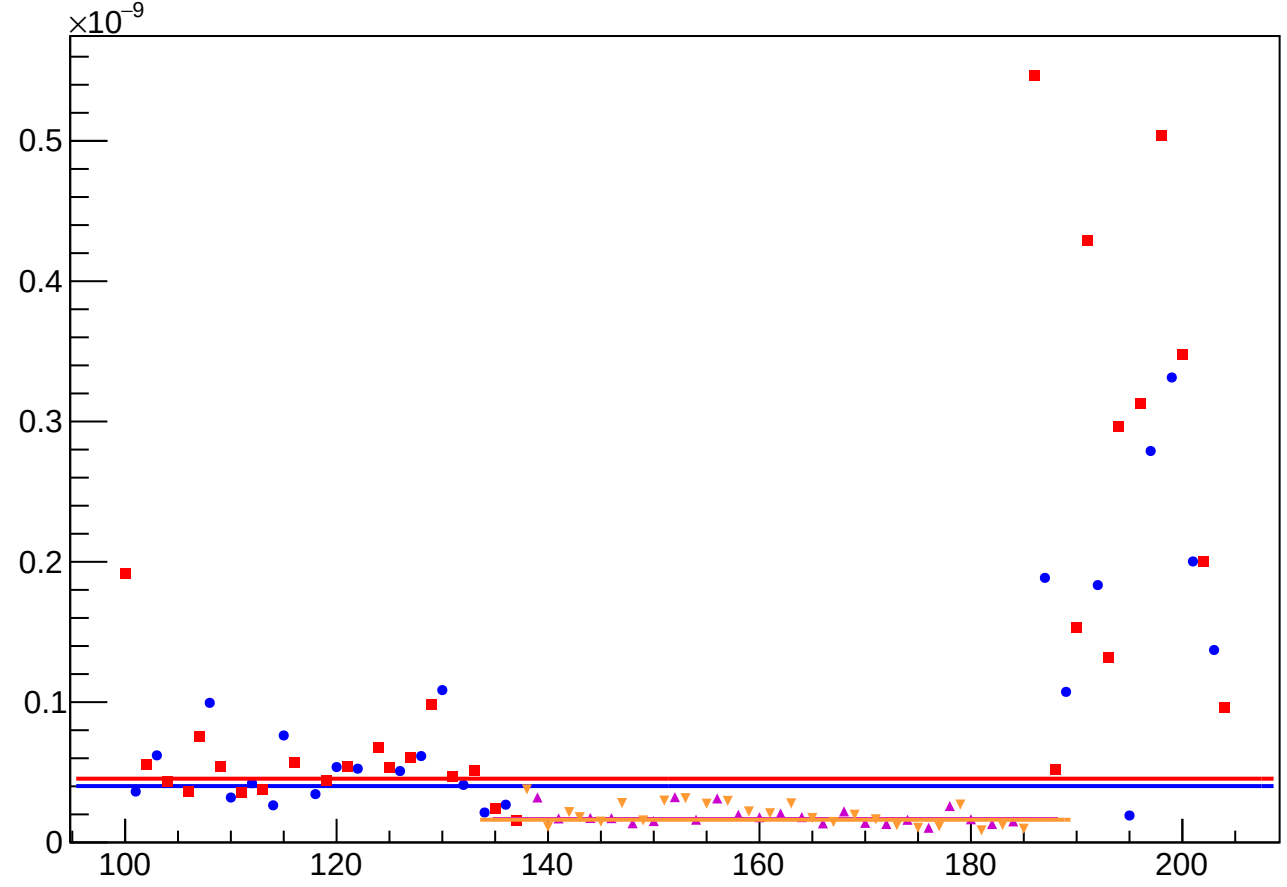
Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/29

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.4/48

All: -0.000+/-0.000 χ^2/NDF: 116.9/101

- sign -0.000+/-0.000 χ^2/NDF: 52.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 4018330.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4820820.6/29

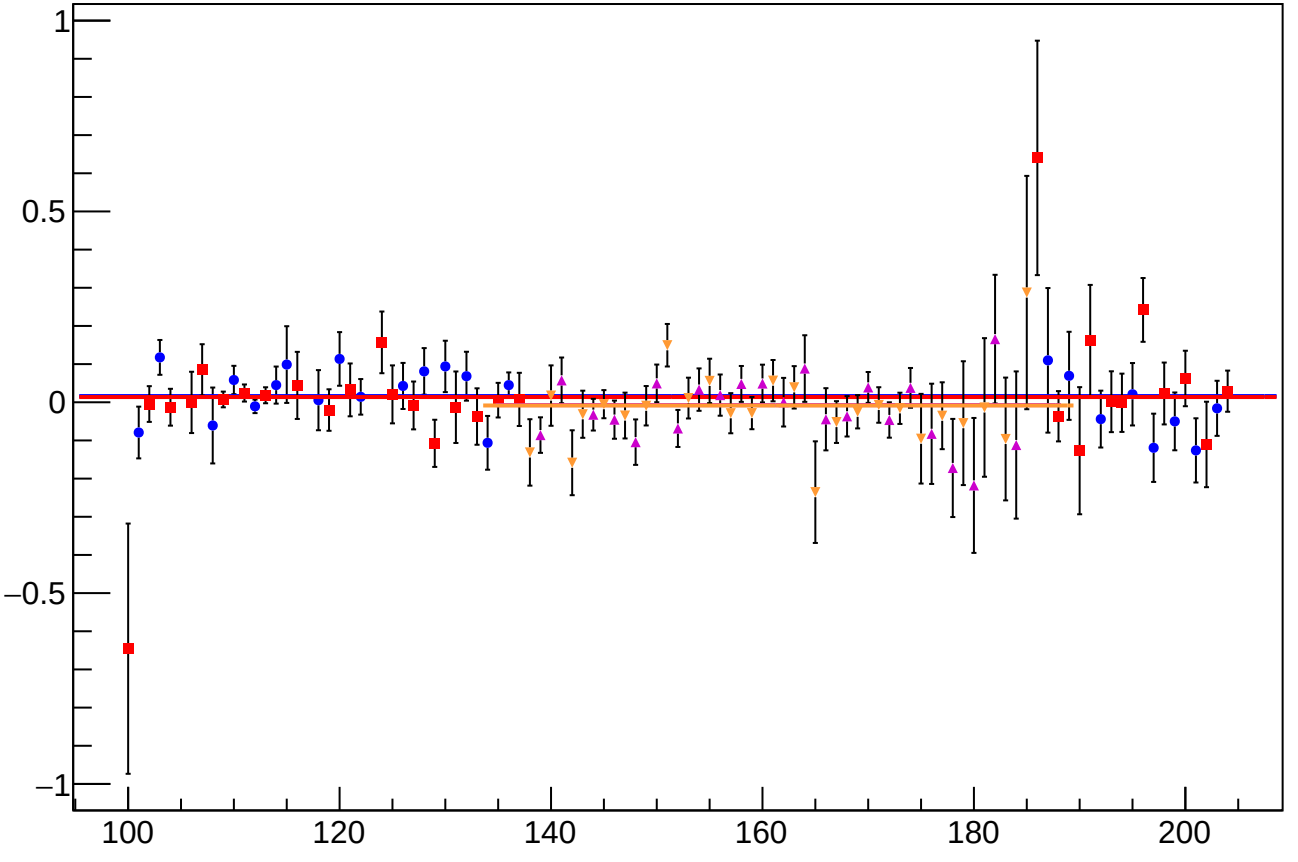
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8437481.8/48

All: 0.000+/-0.000 χ^2/NDF: 17326911.8/101

- sign 0.000+/-0.000 χ^2/NDF: 8868167.0/52

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.016+/-0.010 χ^2/NDF: 28.4/23

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.014+/-0.009 χ^2/NDF: 30.1/29

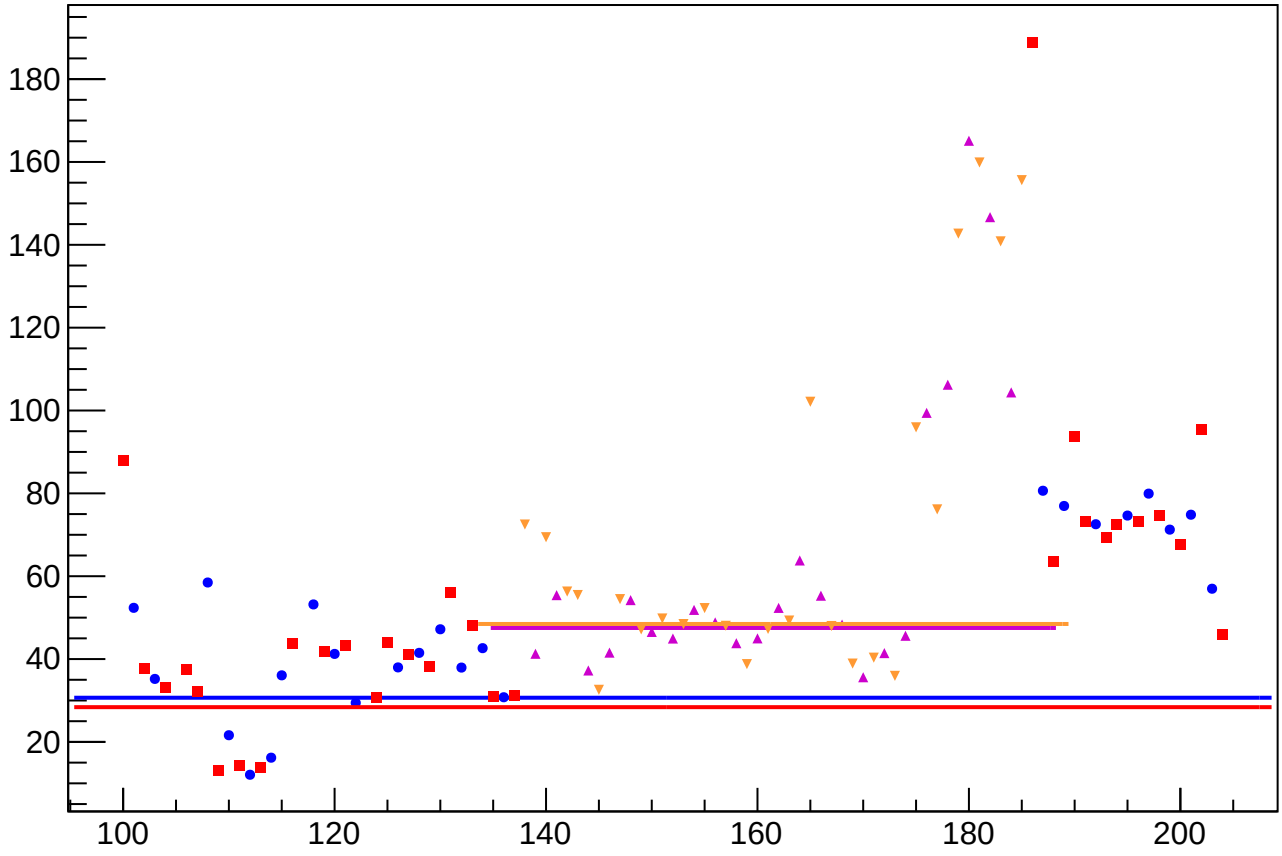
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.006+/-0.008 χ^2/NDF: 54.0/48

All: 0.006+/-0.005 χ^2/NDF: 109.3/101

- sign 0.006+/-0.007 χ^2/NDF: 55.3/52

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.667+/-0.007 χ^2/NDF: 7060150.6/23

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

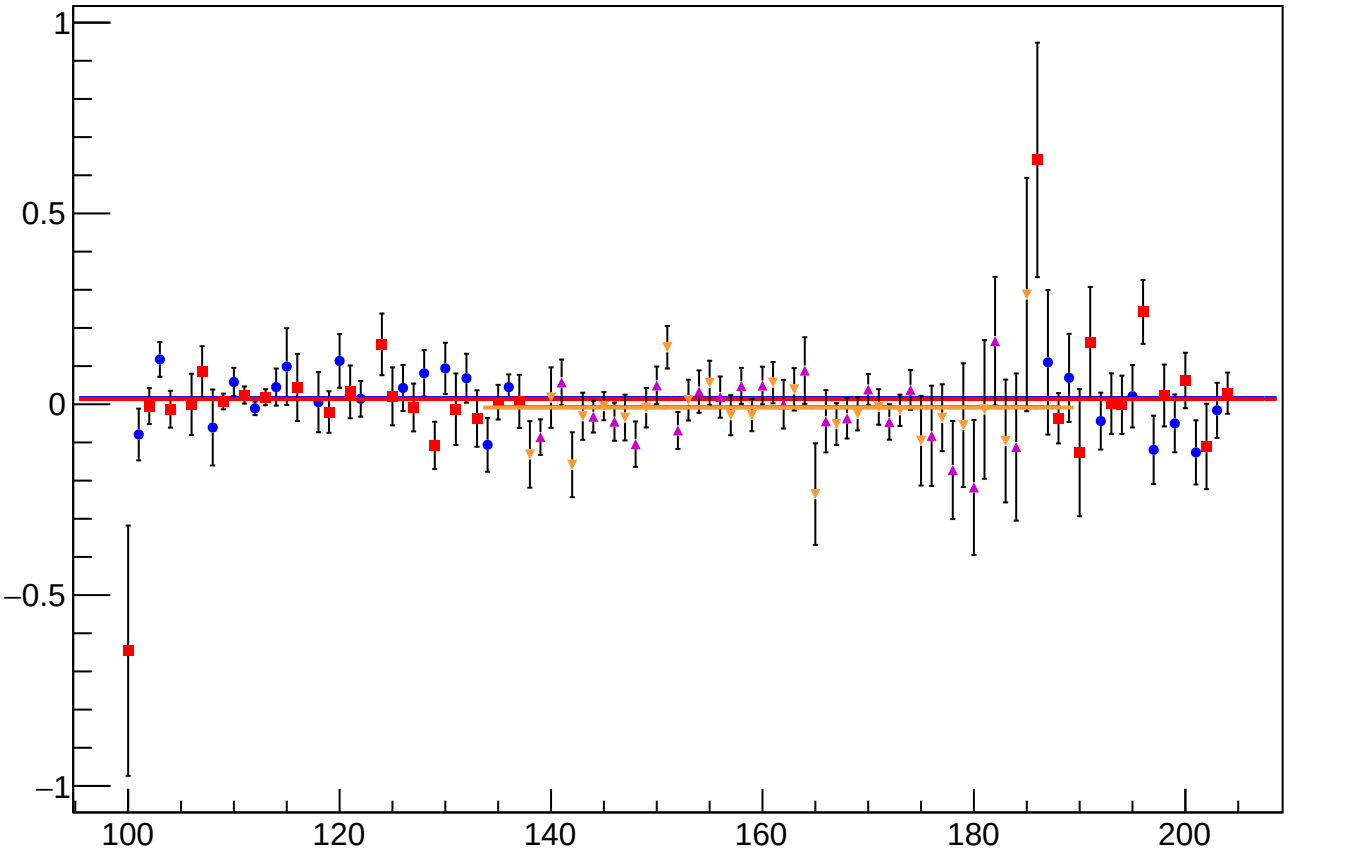
Right Out: 28.390+/-0.006 χ^2/NDF: 9389254.4/29

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 38.307+/-0.006 χ^2/NDF: 13944385.1/48

All: 36.733+/-0.004 χ^2/NDF: 29758304.9/101

- sign 35.385+/-0.005 χ^2/NDF: 15665185.3/52



Right In: 0.016+/-0.010 χ^2/NDF: 28.4/23

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

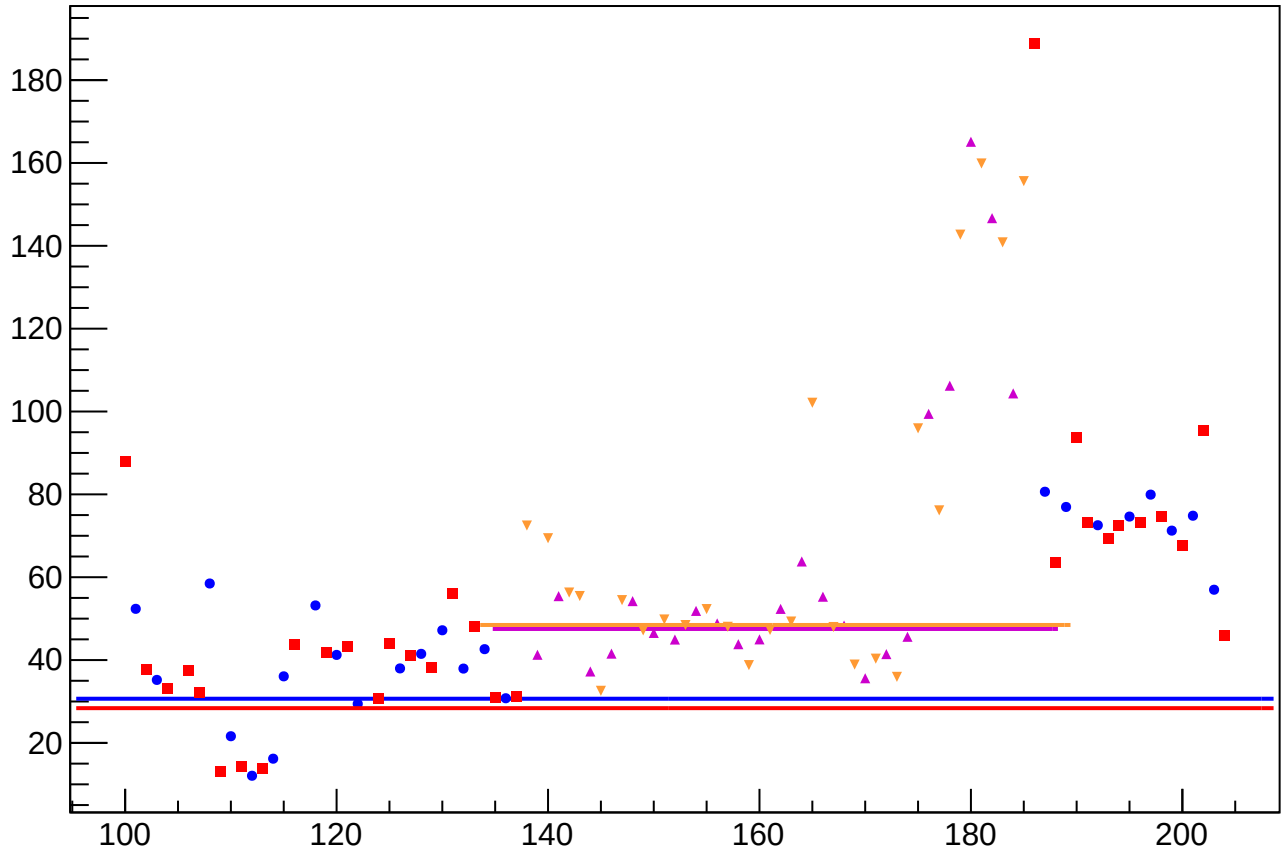
Right Out: 0.014+/-0.009 χ^2/NDF: 30.1/29

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.006+/-0.008 χ^2/NDF: 54.0/48

All: 0.006+/-0.005 χ^2/NDF: 109.3/101

- sign 0.006+/-0.007 χ^2/NDF: 55.3/52



Right In: 30.667+/-0.007 χ^2/NDF: 7060150.6/23

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

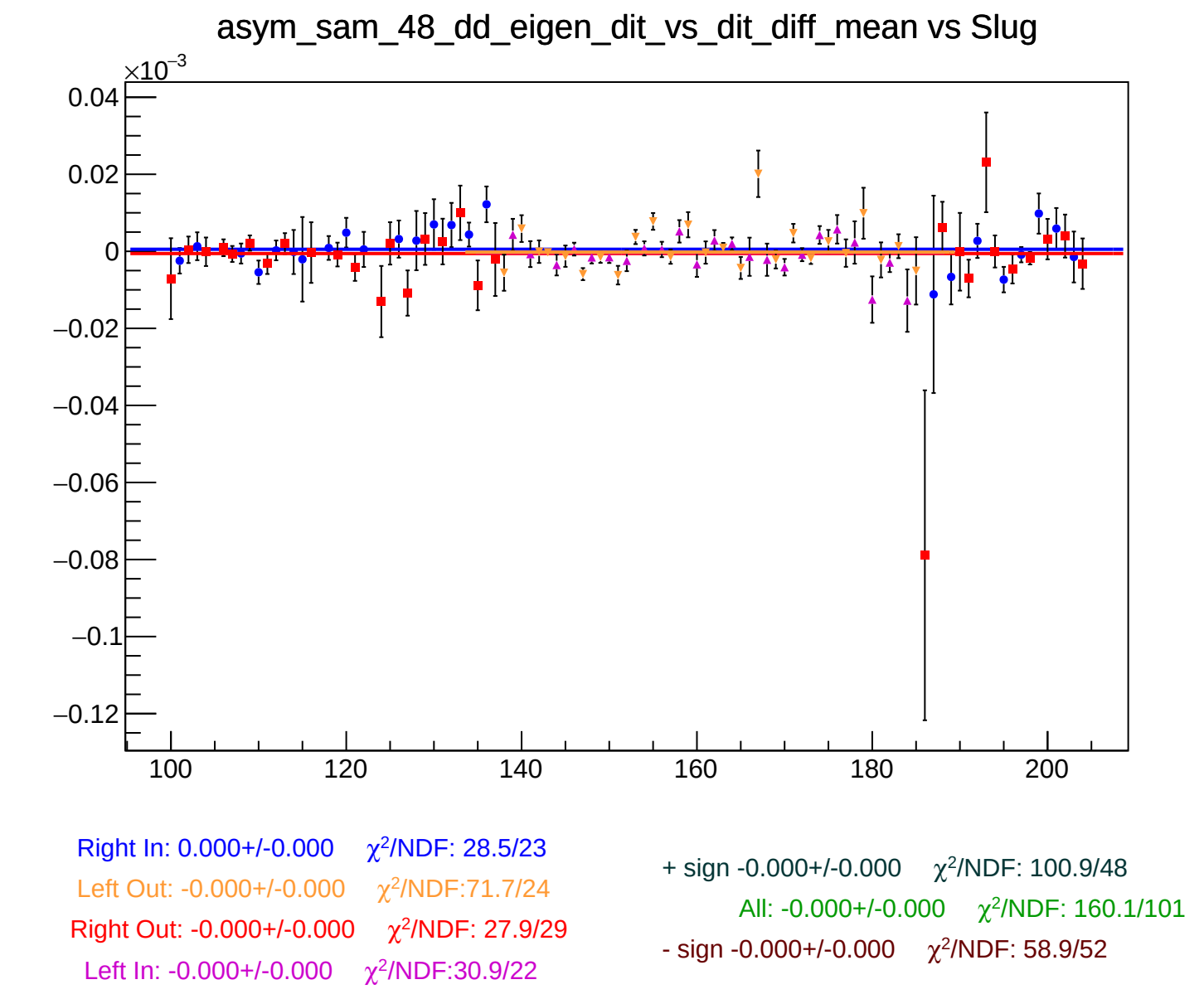
Right Out: 28.390+/-0.006 χ^2/NDF: 9389254.4/29

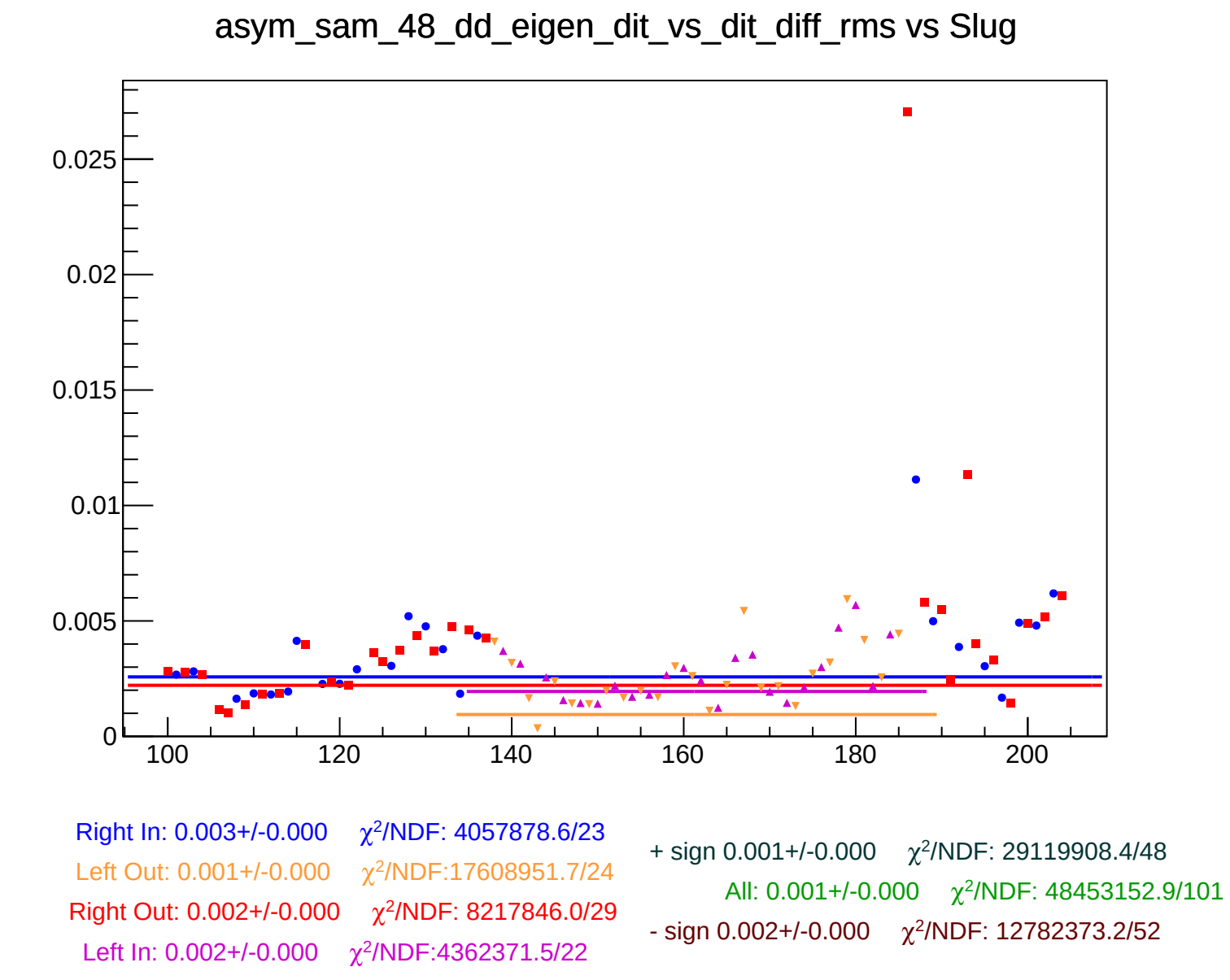
Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

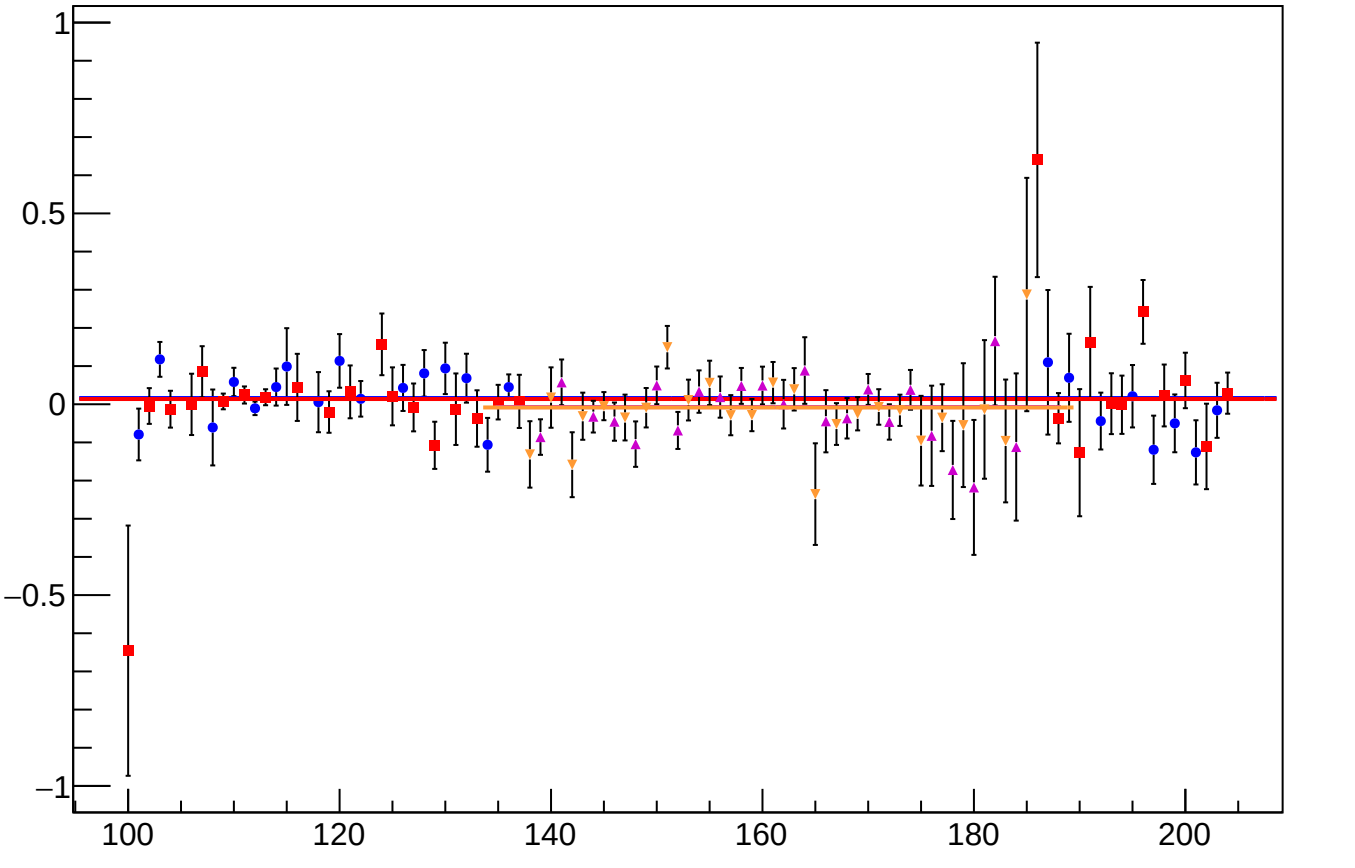
+ sign 38.307+/-0.006 χ^2/NDF: 13944385.1/48

All: 36.733+/-0.004 χ^2/NDF: 29758304.9/101

- sign 35.385+/-0.005 χ^2/NDF: 15665185.3/52


asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
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: 28.5/23
Left Out: -0.000+/-0.000 χ²/NDF:71.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.9/29
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign -0.000+/-0.000 χ²/NDF: 100.9/48
All: -0.000+/-0.000 χ²/NDF: 160.1/101
- sign -0.000+/-0.000 χ²/NDF: 58.9/52


asym_sam_48_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: 0.003+/-0.000 χ²/NDF: 4057878.6/23
Left Out: 0.001+/-0.000 χ²/NDF:17608951.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 8217846.0/29
Left In: 0.002+/-0.000 χ²/NDF:4362371.5/22
+ sign 0.001+/-0.000 χ²/NDF: 29119908.4/48
All: 0.001+/-0.000 χ²/NDF: 48453152.9/101
- sign 0.002+/-0.000 χ²/NDF: 12782373.2/52



Right In: 0.016+/-0.010 χ^2/NDF: 28.4/23

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

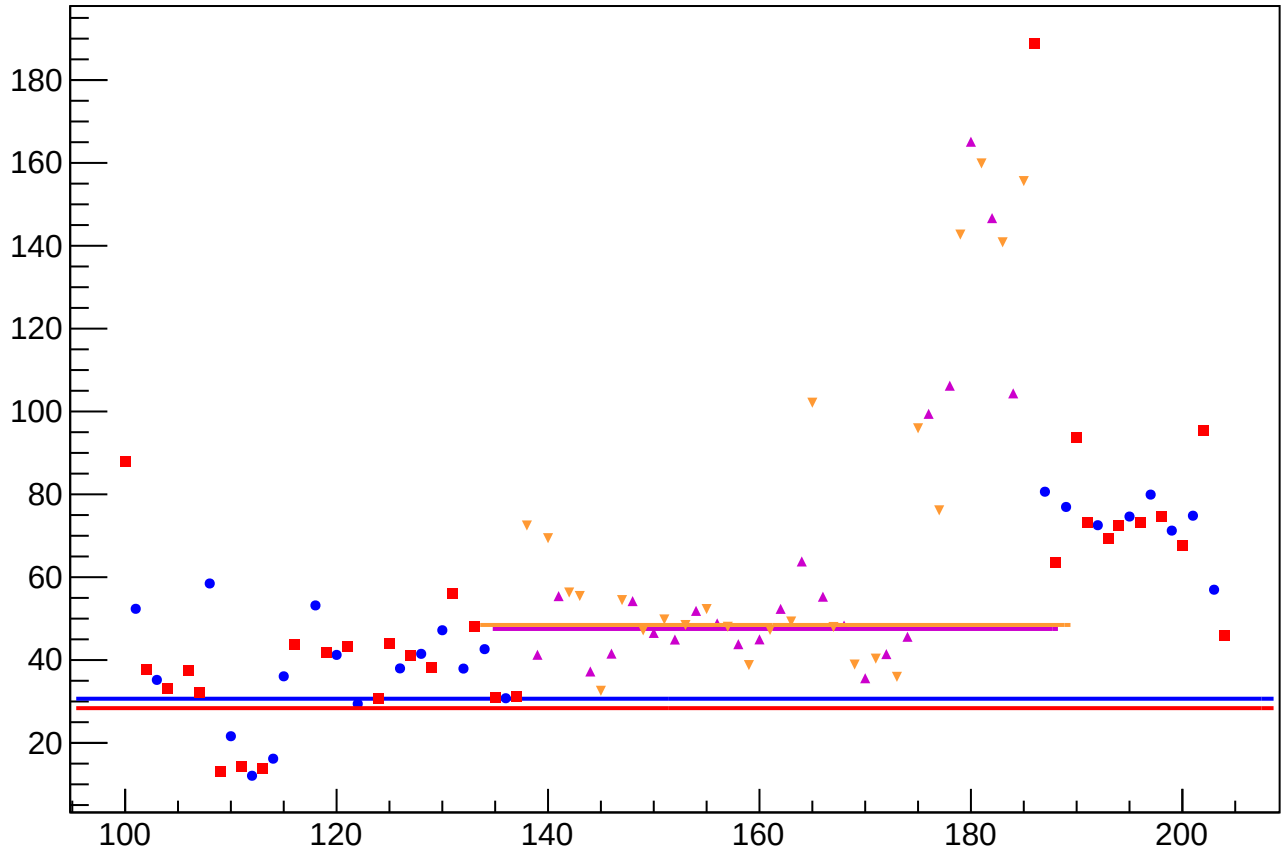
Right Out: 0.014+/-0.009 χ^2/NDF: 30.1/29

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.006+/-0.008 χ^2/NDF: 54.0/48

All: 0.006+/-0.005 χ^2/NDF: 109.3/101

- sign 0.006+/-0.007 χ^2/NDF: 55.3/52



Right In: 30.665+/-0.007 χ^2/NDF: 7060767.6/23

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

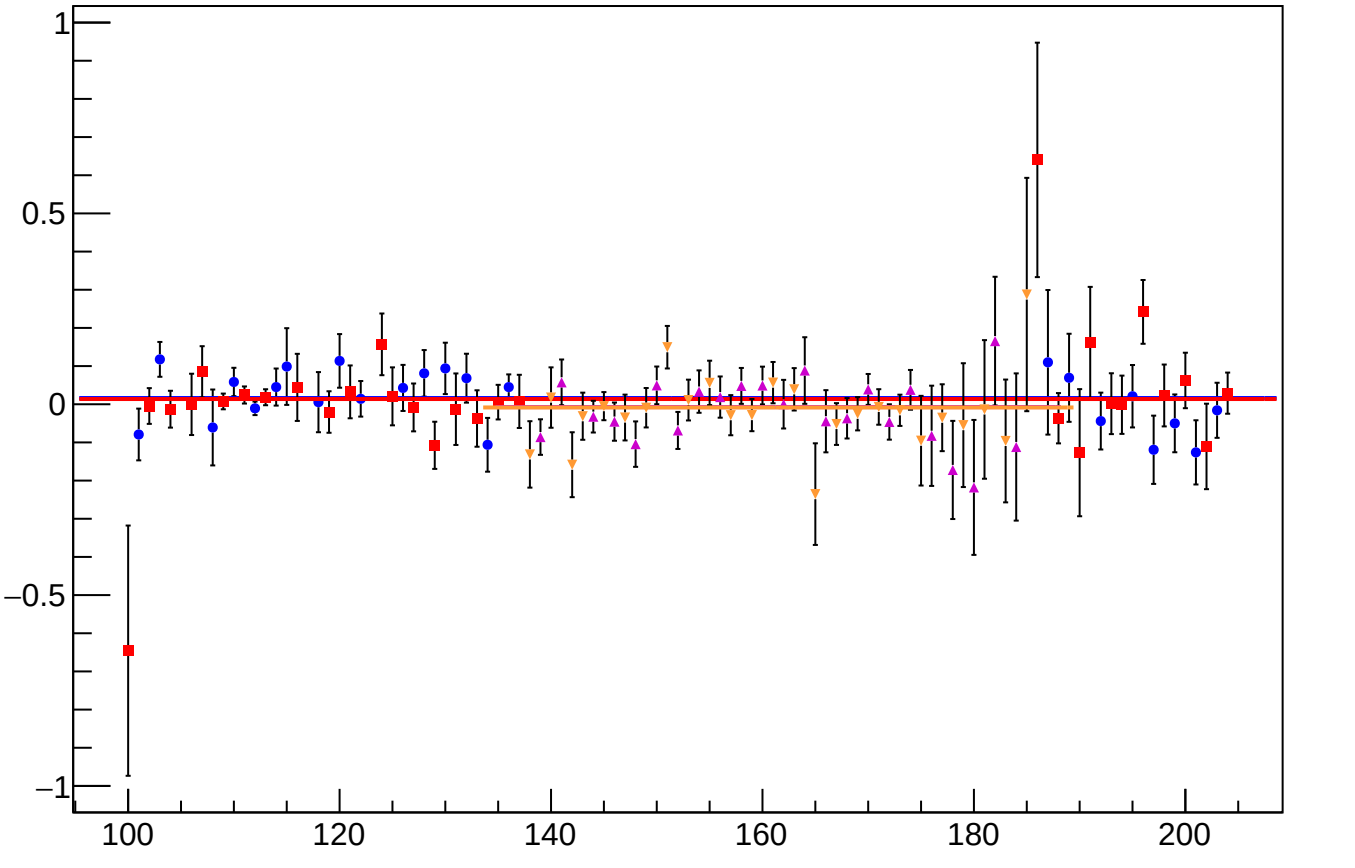
Right Out: 28.389+/-0.006 χ^2/NDF: 9389496.8/29

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 38.306+/-0.006 χ^2/NDF: 13945495.8/48

All: 36.732+/-0.004 χ^2/NDF: 29759738.2/101

- sign 35.384+/-0.005 χ^2/NDF: 15665584.2/52



Right In: 0.016+/-0.010 χ^2/NDF: 28.4/23

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

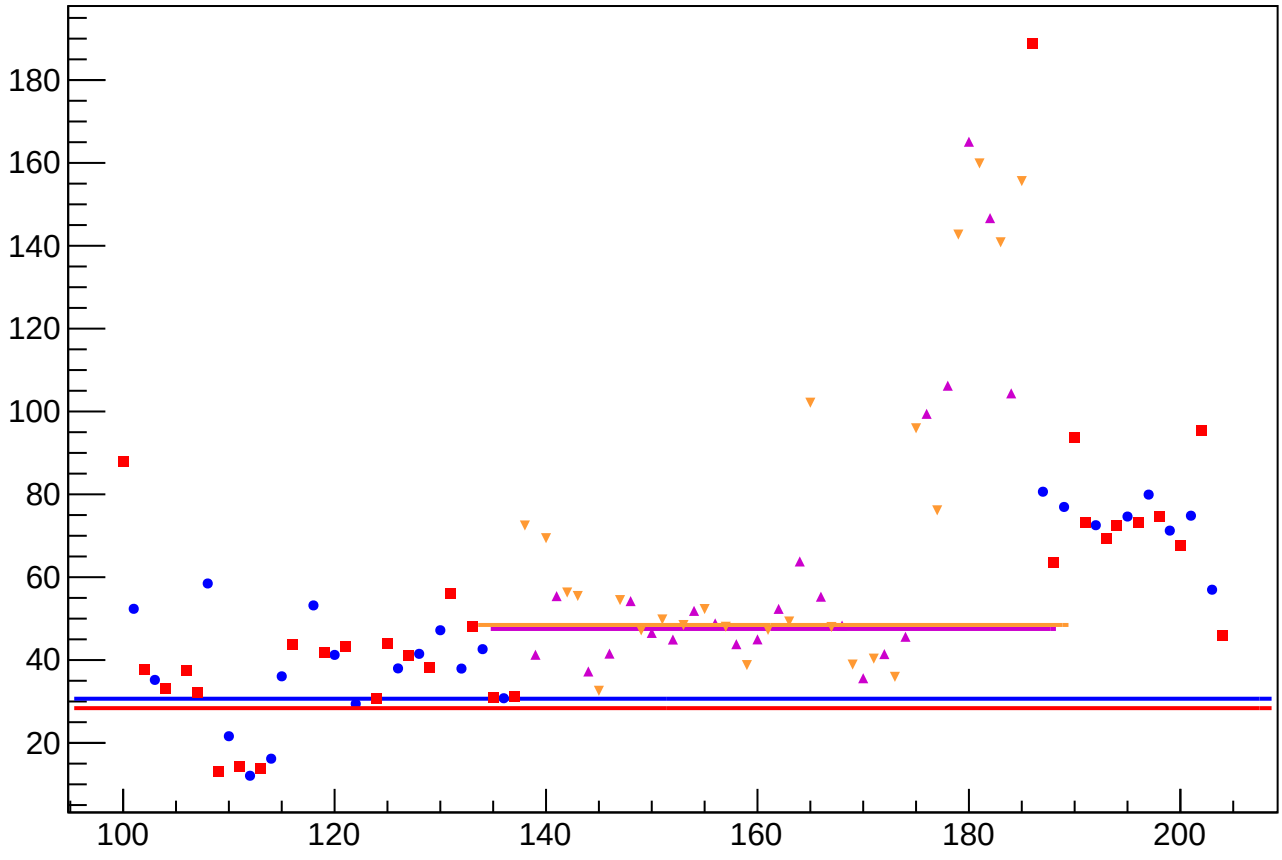
Right Out: 0.014+/-0.009 χ^2/NDF: 30.1/29

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.006+/-0.008 χ^2/NDF: 54.0/48

All: 0.006+/-0.005 χ^2/NDF: 109.3/101

- sign 0.006+/-0.007 χ^2/NDF: 55.3/52



Right In: 30.665+/-0.007 χ^2/NDF: 7060767.6/23

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

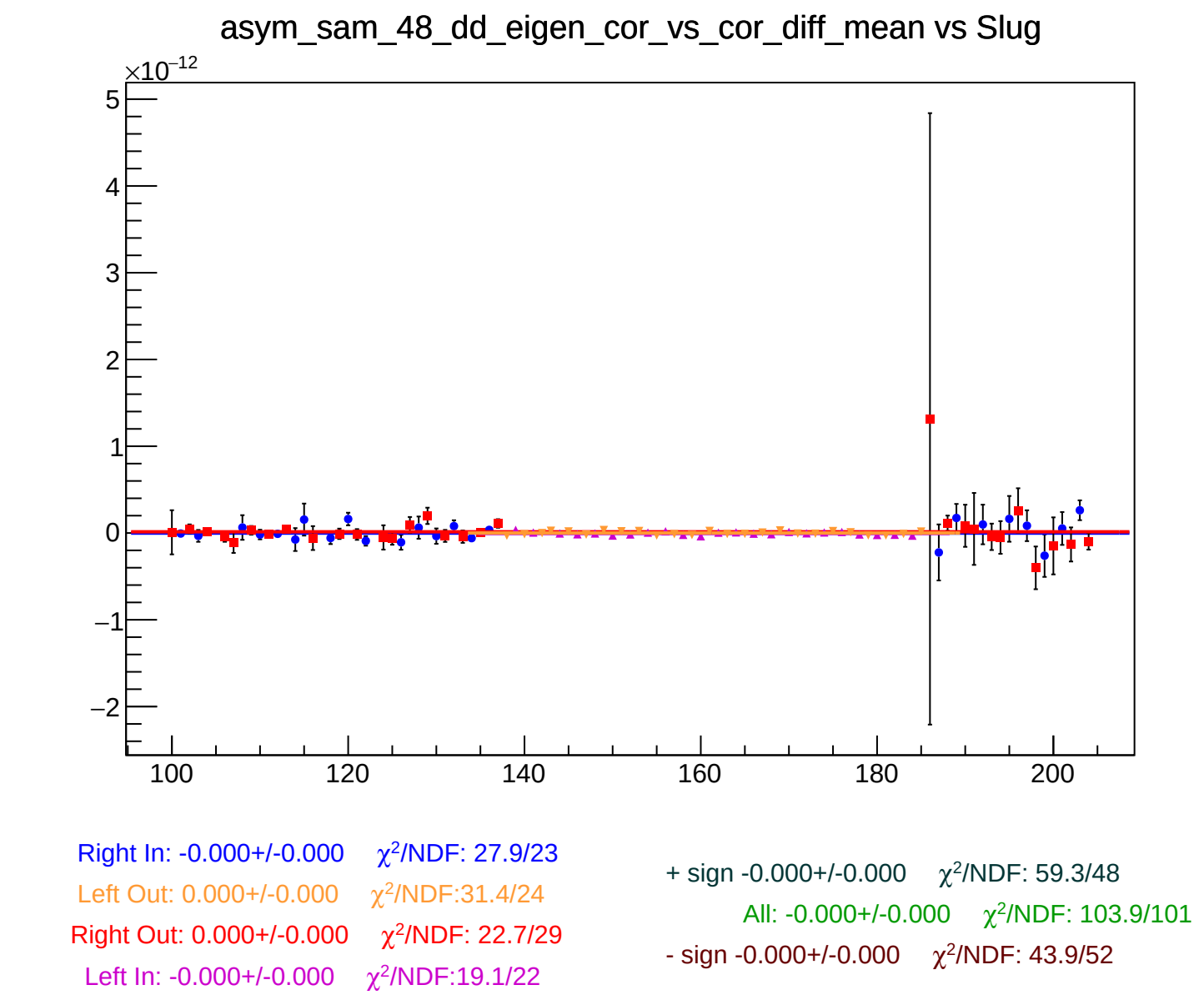
Right Out: 28.389+/-0.006 χ^2/NDF: 9389496.8/29

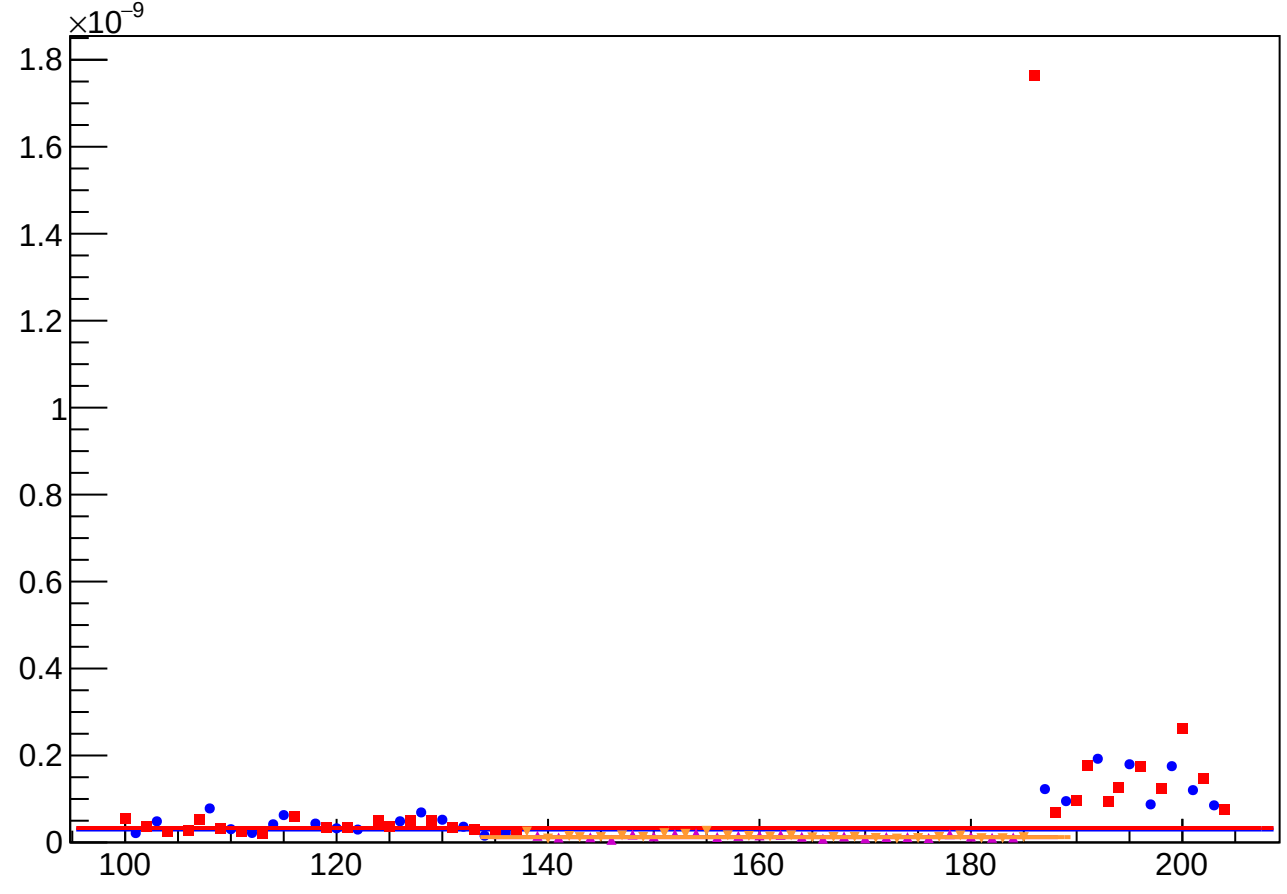
Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 38.306+/-0.006 χ^2/NDF: 13945495.8/48

All: 36.732+/-0.004 χ^2/NDF: 29759738.2/101

- sign 35.384+/-0.005 χ^2/NDF: 15665584.2/52


asym_sam_48_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: 27.9/23
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.7/29
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
+ sign -0.000+/-0.000 χ²/NDF: 59.3/48
All: -0.000+/-0.000 χ²/NDF: 103.9/101
- sign -0.000+/-0.000 χ²/NDF: 43.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 5828467.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6027122.5/29

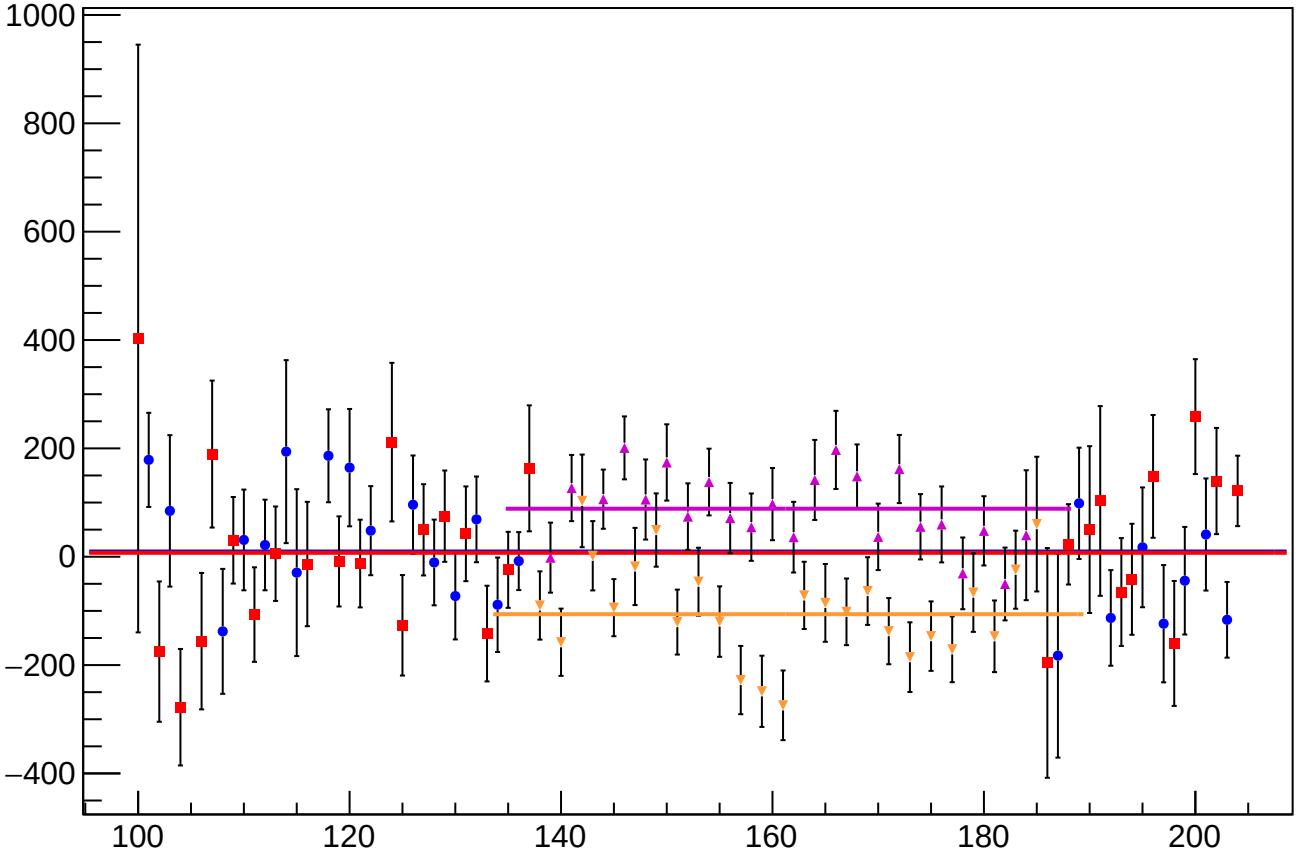
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11375487.8/48

All: 0.000+/-0.000 χ^2/NDF: 24303925.3/101

- sign 0.000+/-0.000 χ^2/NDF: 12924457.6/52

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 9.622+/-18.701 χ^2/NDF: 26.4/23

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 7.232+/-17.966 χ^2/NDF: 41.2/29

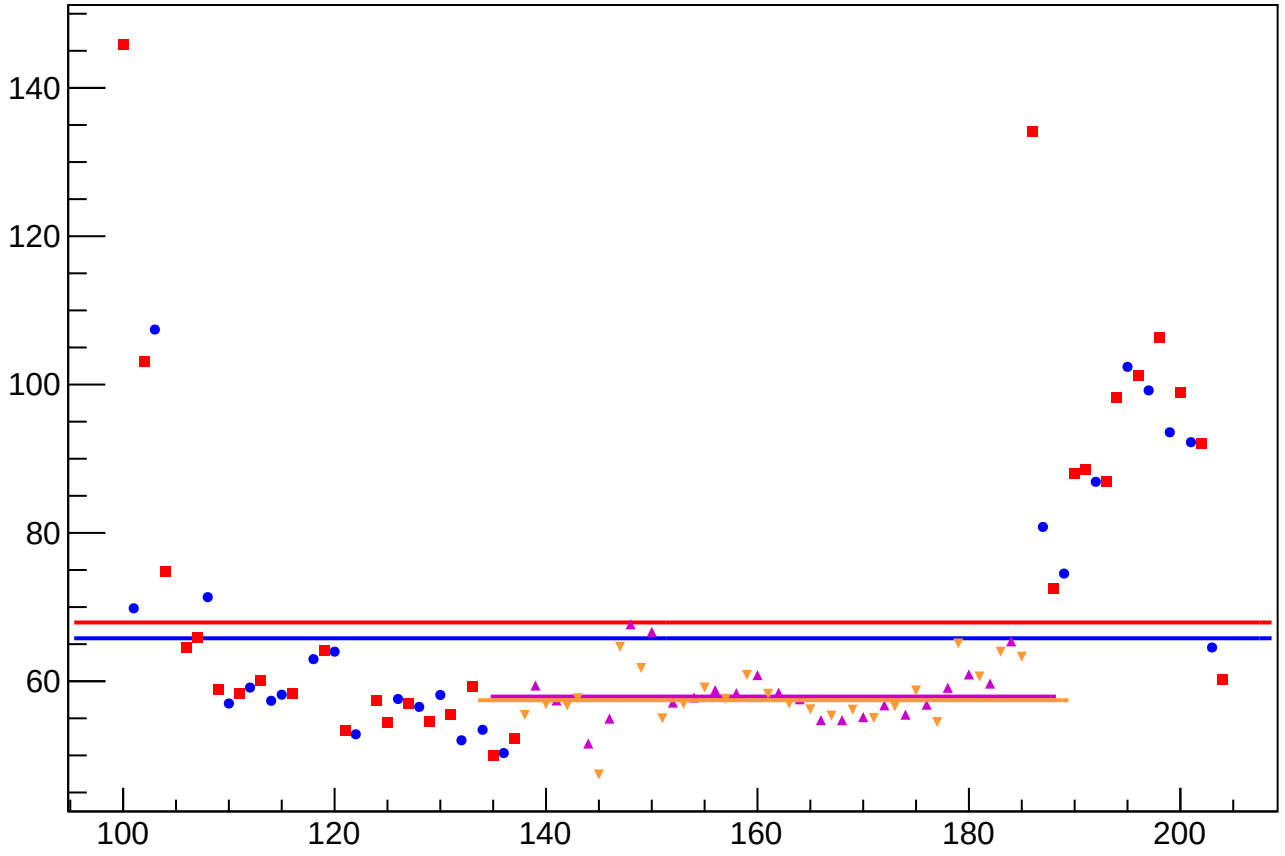
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -68.050+/-10.723 χ^2/NDF: 92.8/48

All: -5.100+/-7.619 χ^2/NDF: 240.5/101

- sign 59.064+/-10.826 χ^2/NDF: 78.1/52

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 65.791+/-0.013 χ^2/NDF: 1447289.5/23

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

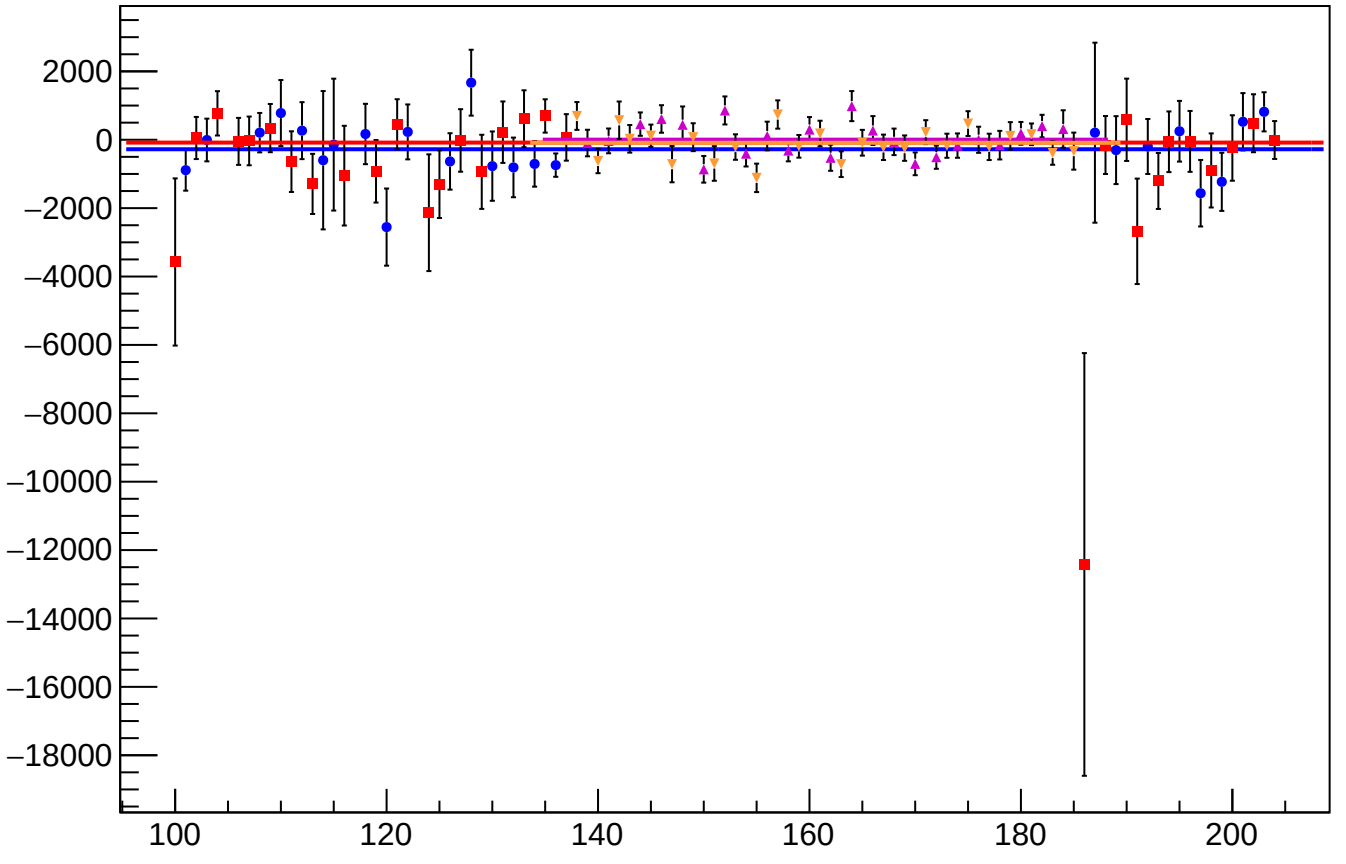
Right Out: 67.923+/-0.013 χ^2/NDF: 1937747.1/29

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.186+/-0.008 χ^2/NDF: 1889486.4/48

All: 60.867+/-0.005 χ^2/NDF: 4373262.7/101

- sign 61.561+/-0.008 χ^2/NDF: 2467499.2/52



Right In: -277.771+/-155.139 χ^2/NDF: 23.4/23

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -82.789+/-152.532 χ^2/NDF: 25.4/29

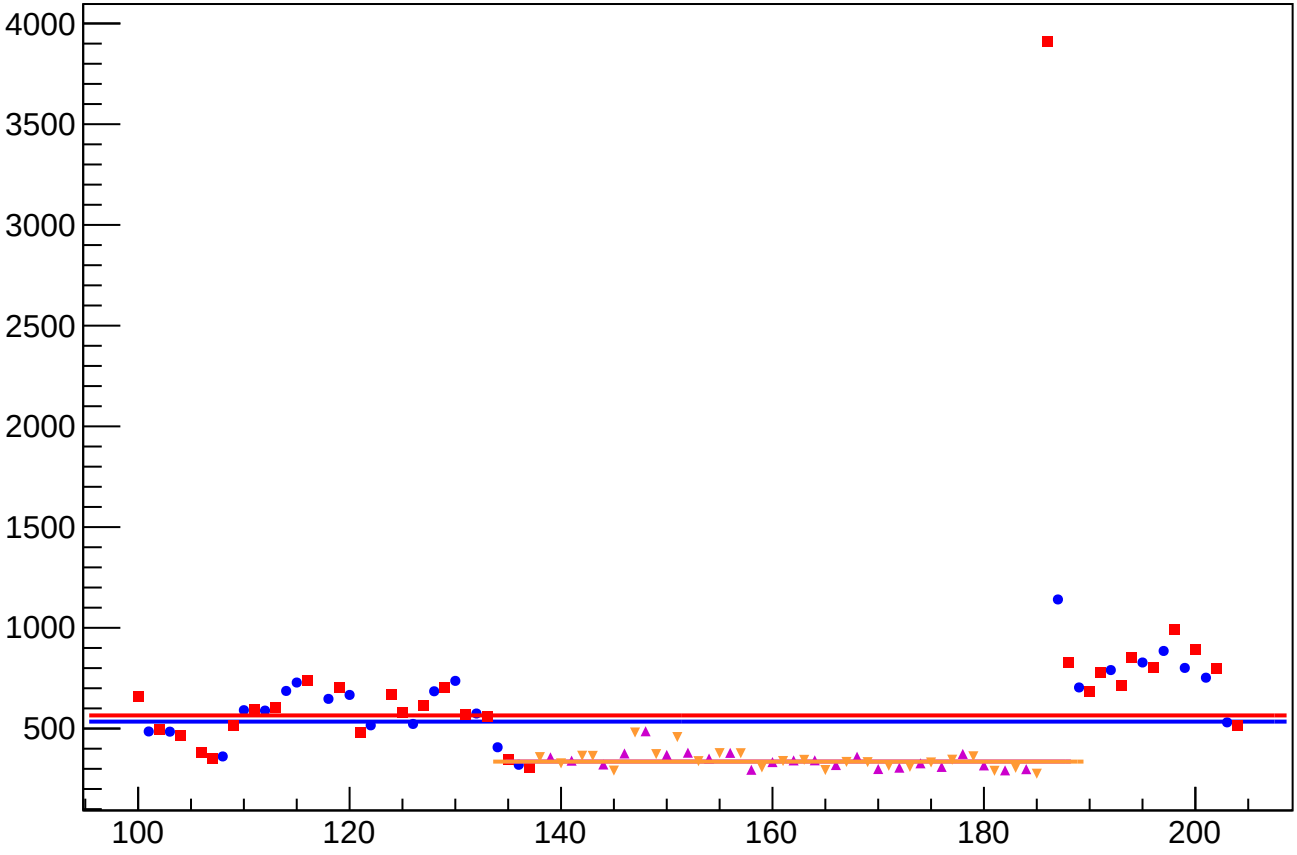
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -126.367+/-68.980 χ^2/NDF: 54.5/48

All: -71.815+/-49.231 χ^2/NDF: 115.0/101

- sign -15.179+/-70.285 χ^2/NDF: 59.2/52

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 534.444+/-0.110 χ^2/NDF: 2486134.6/23

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 565.156+/-0.108 χ^2/NDF: 3220809.2/29

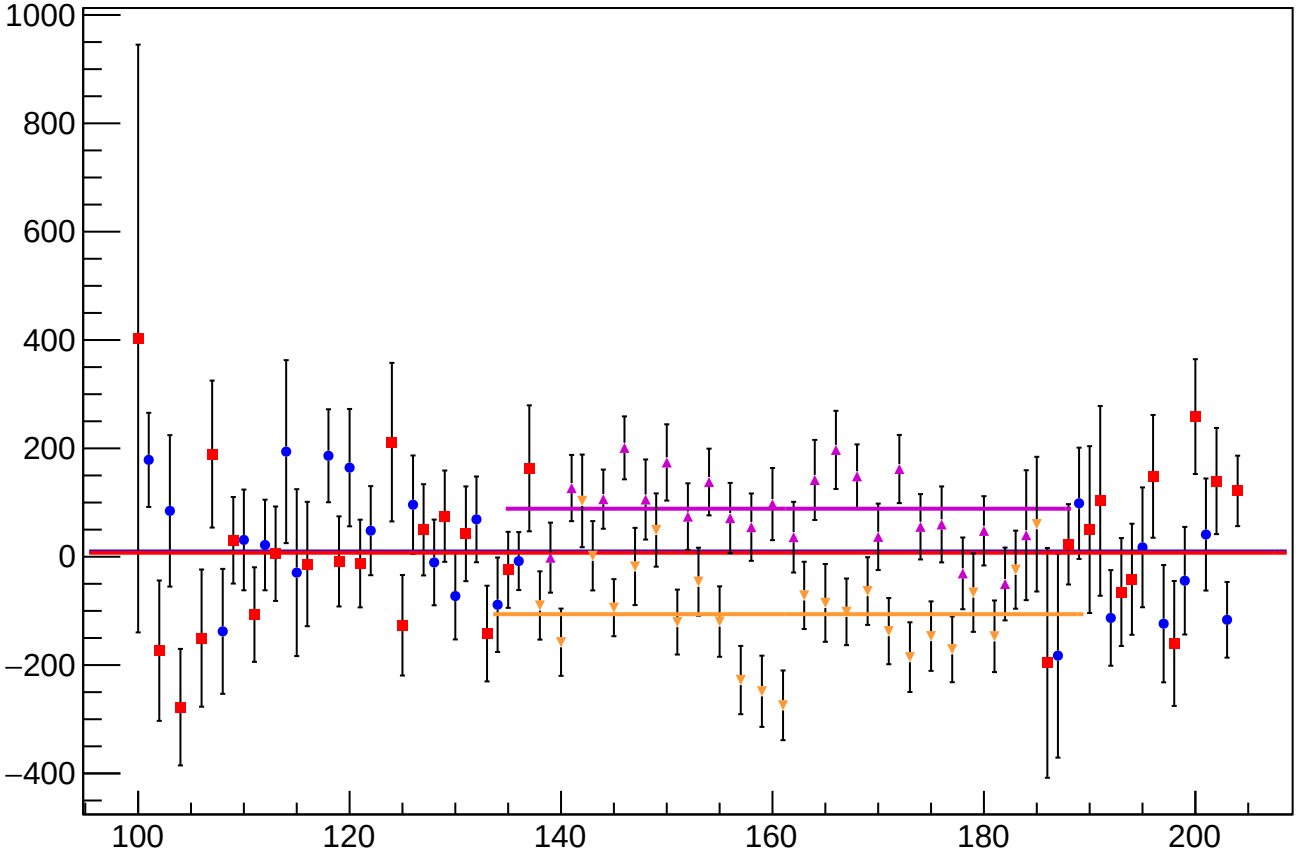
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

\+ sign 375.147+/-0.049 χ^2/NDF: 5648210.5/48

All: 379.945+/-0.035 χ^2/NDF: 12847917.3/10

\- sign 384.926+/-0.050 χ^2/NDF: 7179988.3/52

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 9.619+/-18.701 χ^2/NDF: 26.4/23

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 7.420+/-17.968 χ^2/NDF: 41.0/29

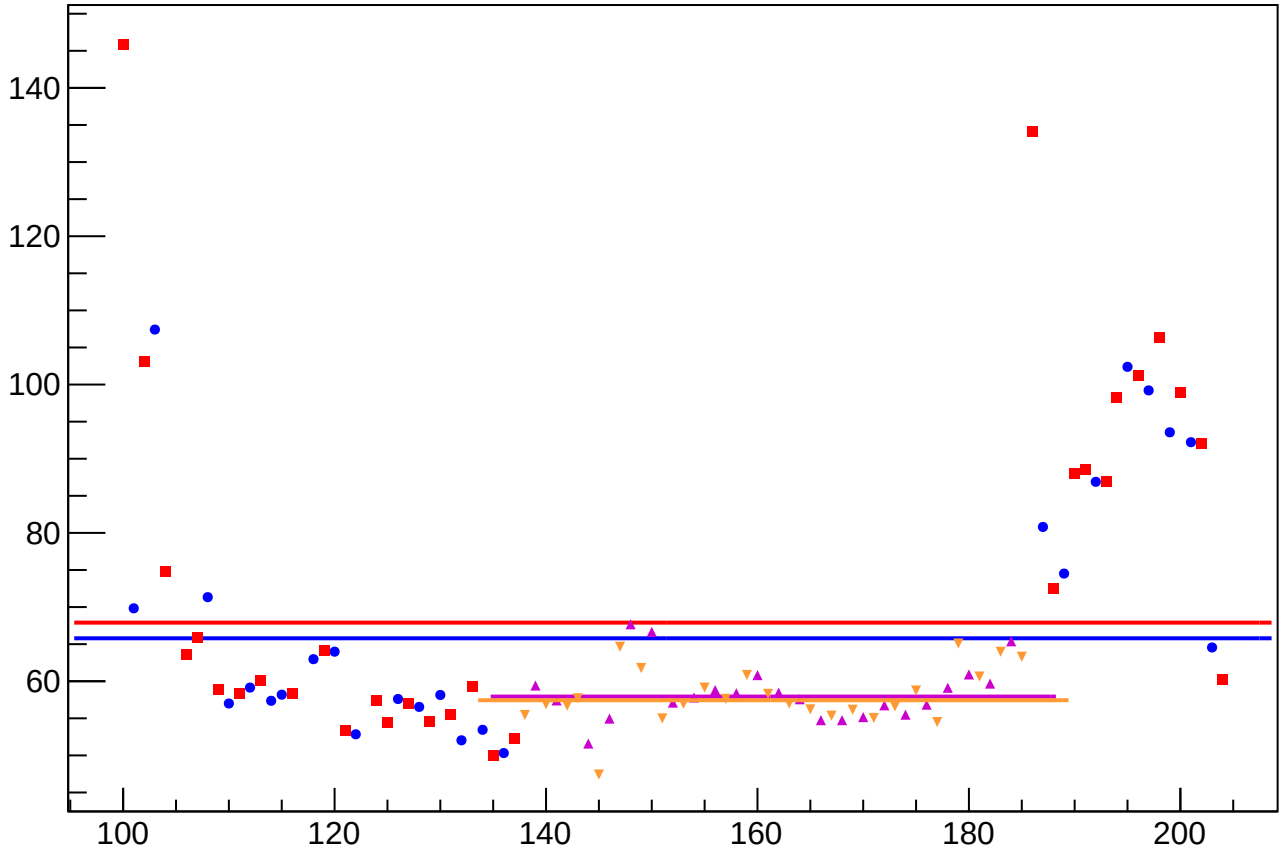
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

\+ sign -68.051+/-10.723 χ^2/NDF: 92.8/48

All: -5.066+/-7.619 χ^2/NDF: 240.3/101

\- sign 59.138+/-10.827 χ^2/NDF: 77.9/52

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.791+/-0.013 χ^2/NDF: 1447291.5/23

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.904+/-0.013 χ^2/NDF: 1938883.0/29

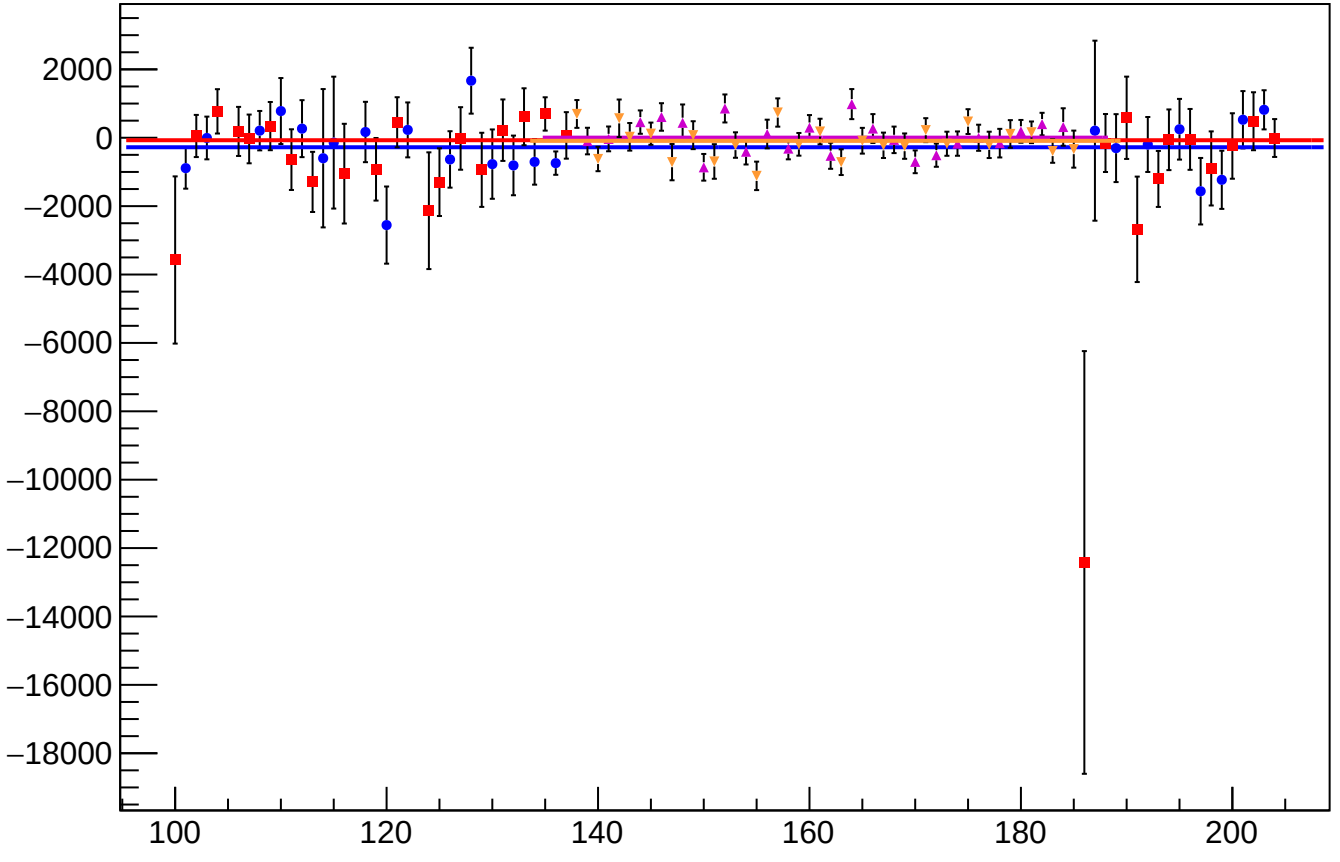
Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.186+/-0.008 χ^2/NDF: 1889488.5/48

All: 60.863+/-0.005 χ^2/NDF: 4372676.3/101

- sign 61.553+/-0.008 χ^2/NDF: 2467086.6/52

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -277.744+/-155.140 χ^2/NDF: 23.4/23

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -72.399+/-152.859 χ^2/NDF: 25.5/29

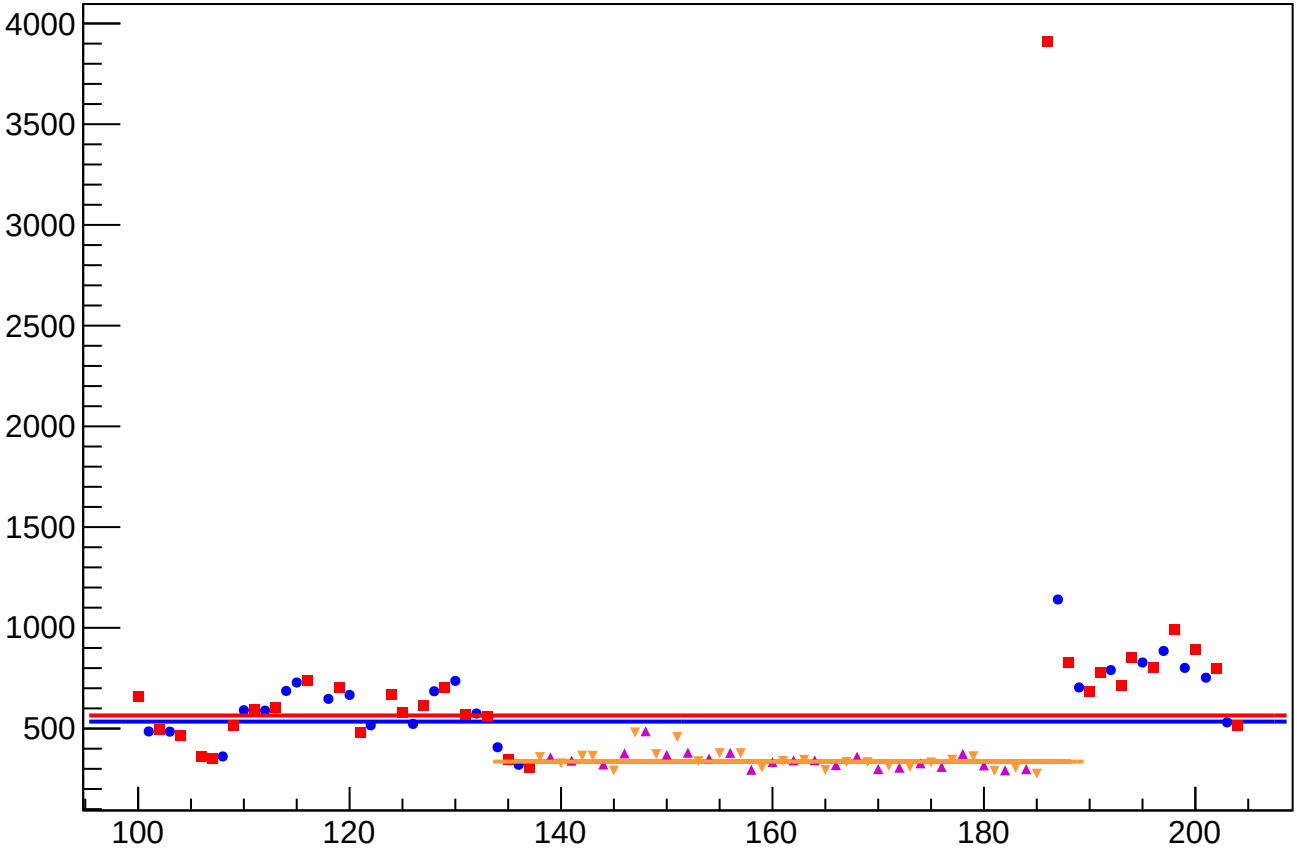
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -126.363+/-68.980 χ^2/NDF: 54.5/48

All: -70.729+/-49.242 χ^2/NDF: 115.1/101

- sign -12.918+/-70.317 χ^2/NDF: 59.3/52

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 534.447+/-0.110 χ^2/NDF: 2486112.8/23

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 565.009+/-0.108 χ^2/NDF: 3239906.9/29

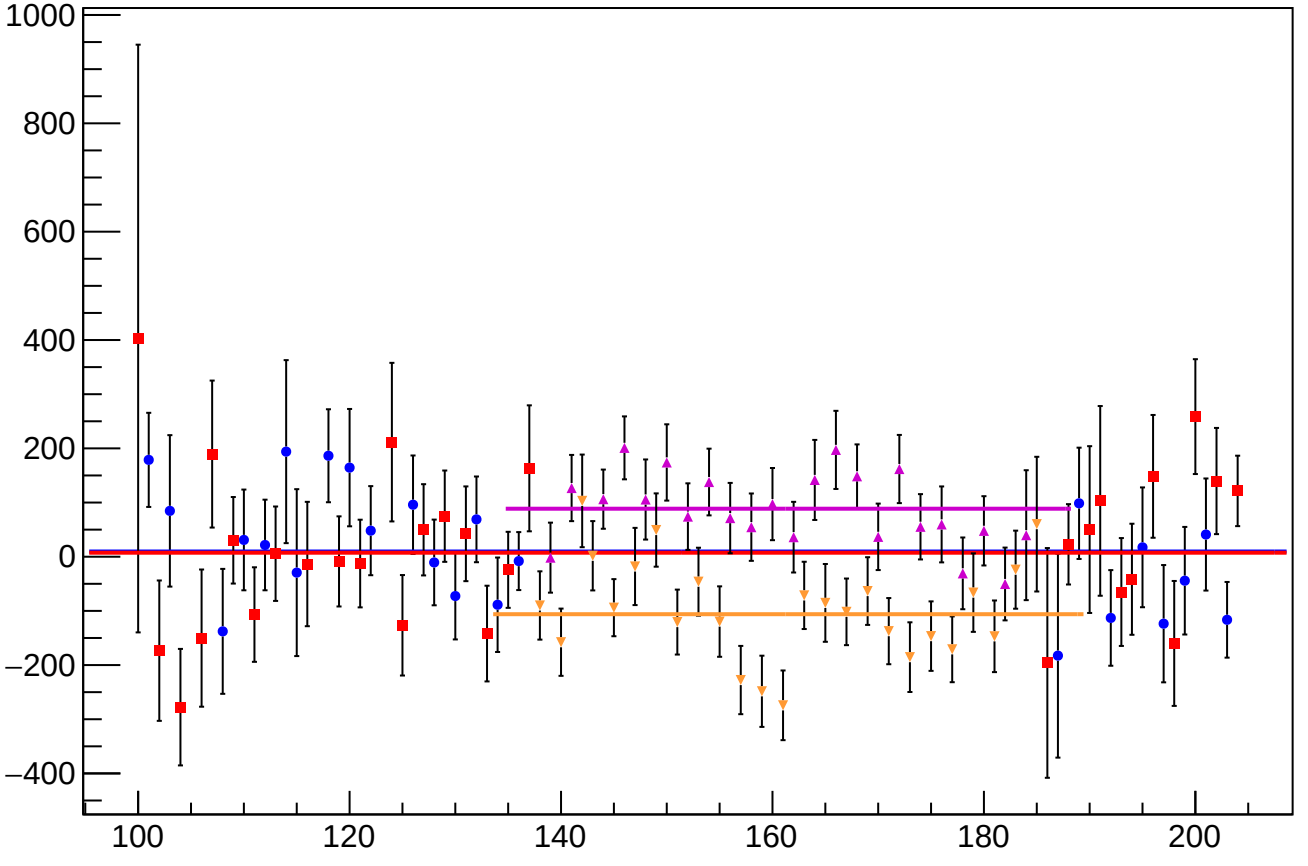
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 375.147+/-0.049 χ^2/NDF: 5648237.1/48

All: 379.847+/-0.035 χ^2/NDF: 12849801.8/10

- sign 384.731+/-0.050 χ^2/NDF: 7182632.8/52

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 9.619+/-18.701 χ^2/NDF: 26.4/23

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 7.420+/-17.968 χ^2/NDF: 41.0/29

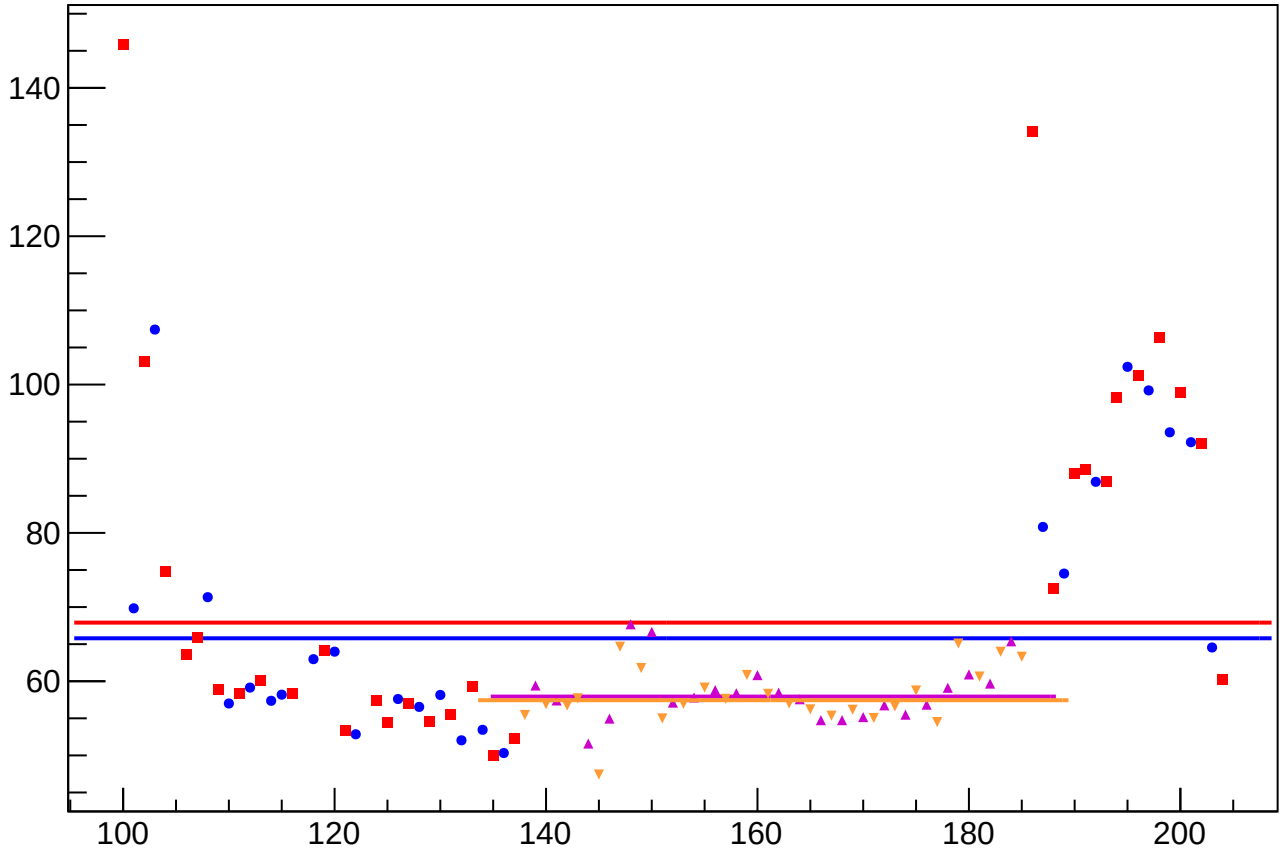
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -68.051+/-10.723 χ^2/NDF: 92.8/48

All: -5.066+/-7.619 χ^2/NDF: 240.3/101

- sign 59.138+/-10.827 χ^2/NDF: 77.9/52

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.791+/-0.013 χ^2/NDF: 1447291.5/23

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

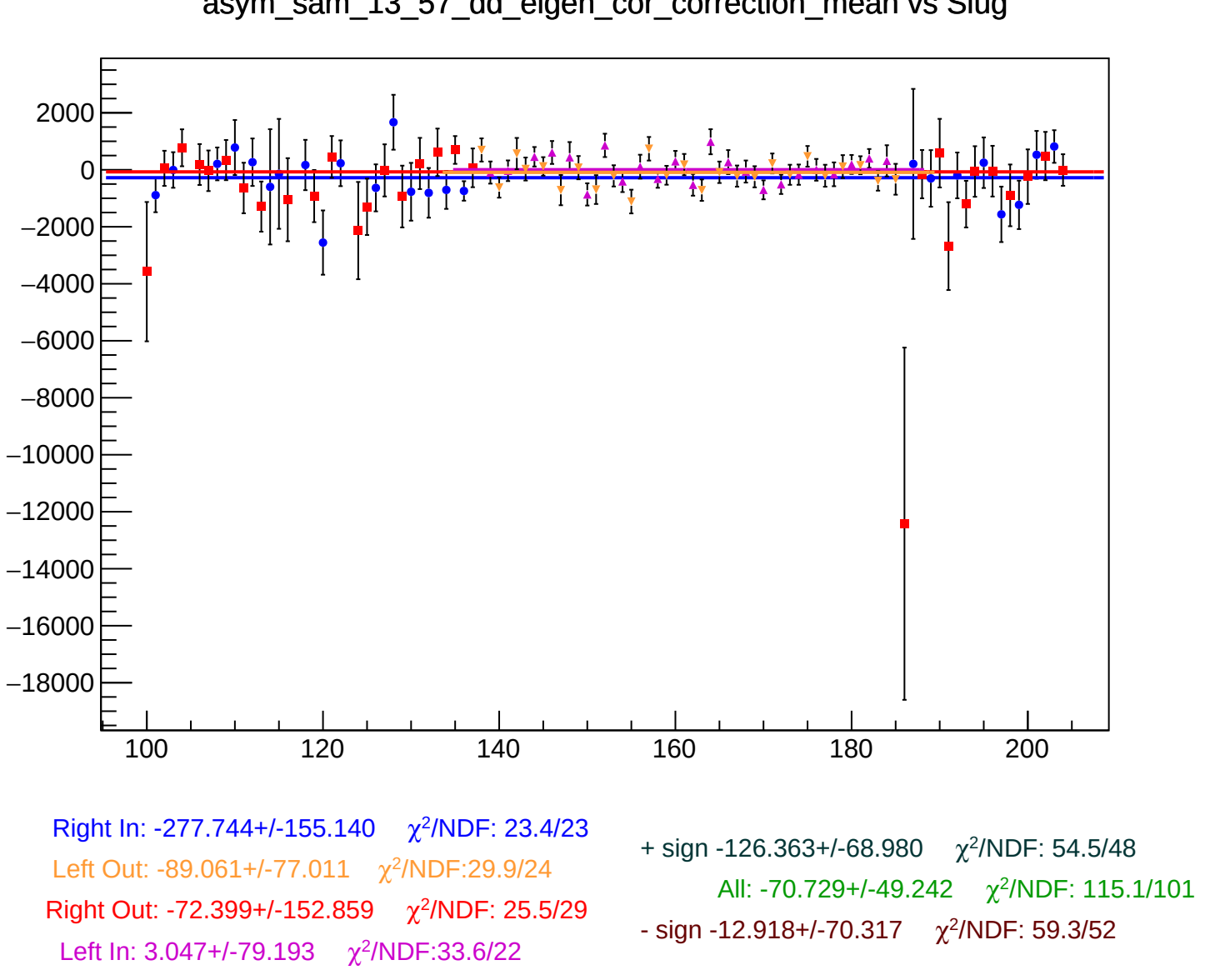
Right Out: 67.904+/-0.013 χ^2/NDF: 1938883.0/29

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

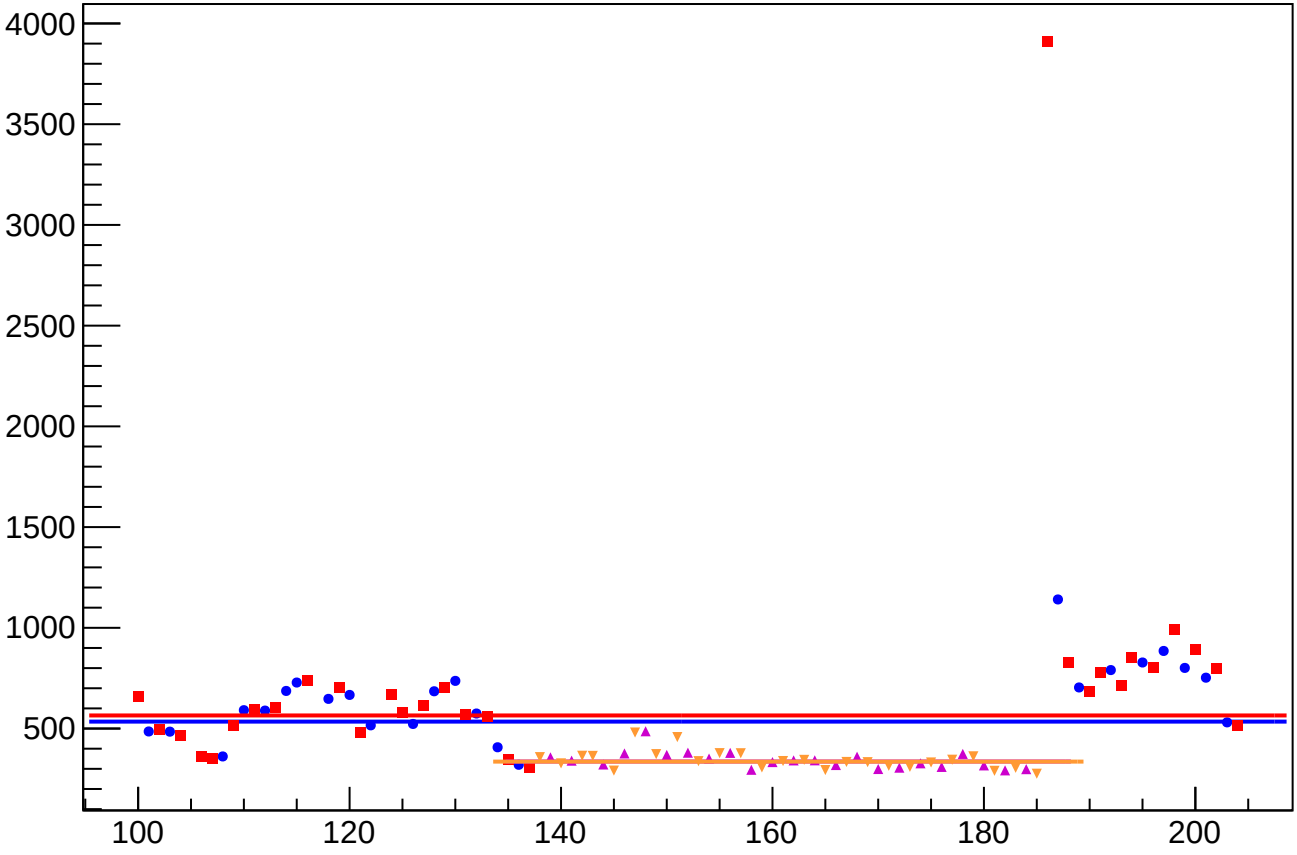
+ sign 60.186+/-0.008 χ^2/NDF: 1889488.5/48

All: 60.863+/-0.005 χ^2/NDF: 4372676.3/101

- sign 61.553+/-0.008 χ^2/NDF: 2467086.6/52


asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
−18000
100
120
140
160
180
200
Right In: -277.744+/-155.140 χ²/NDF: 23.4/23
Left Out: -89.061+/-77.011 χ²/NDF:29.9/24
Right Out: -72.399+/-152.859 χ²/NDF: 25.5/29
Left In: 3.047+/-79.193 χ²/NDF:33.6/22
+ sign -126.363+/-68.980 χ²/NDF: 54.5/48
All: -70.729+/-49.242 χ²/NDF: 115.1/101
- sign -12.918+/-70.317 χ²/NDF: 59.3/52

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 534.447+/-0.110 χ^2/NDF: 2486112.8/23

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 565.009+/-0.108 χ^2/NDF: 3239906.9/29

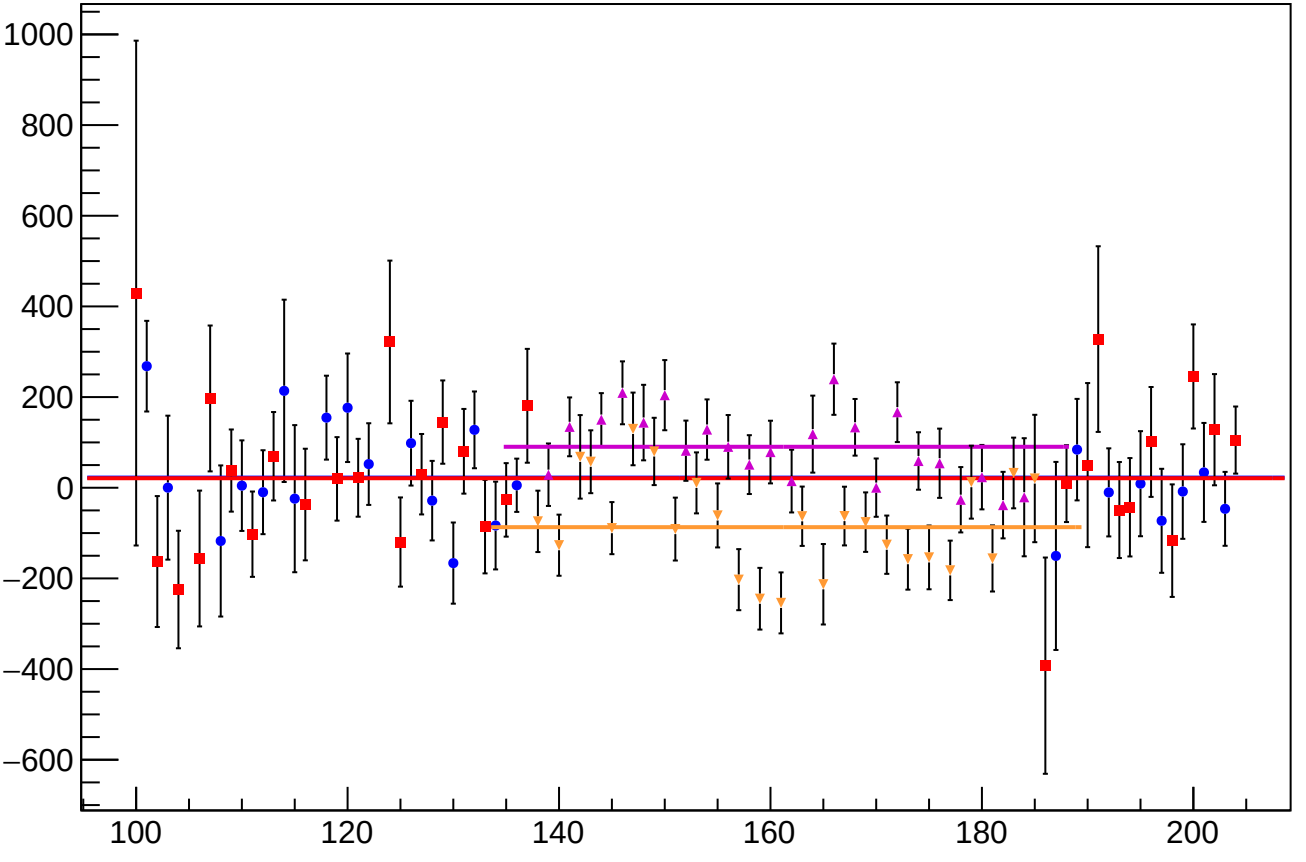
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 375.147+/-0.049 χ^2/NDF: 5648237.1/48

All: 379.847+/-0.035 χ^2/NDF: 12849801.8/10

- sign 384.731+/-0.050 χ^2/NDF: 7182632.8/52

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 22.369+/-20.604 χ^2/NDF: 22.6/23

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

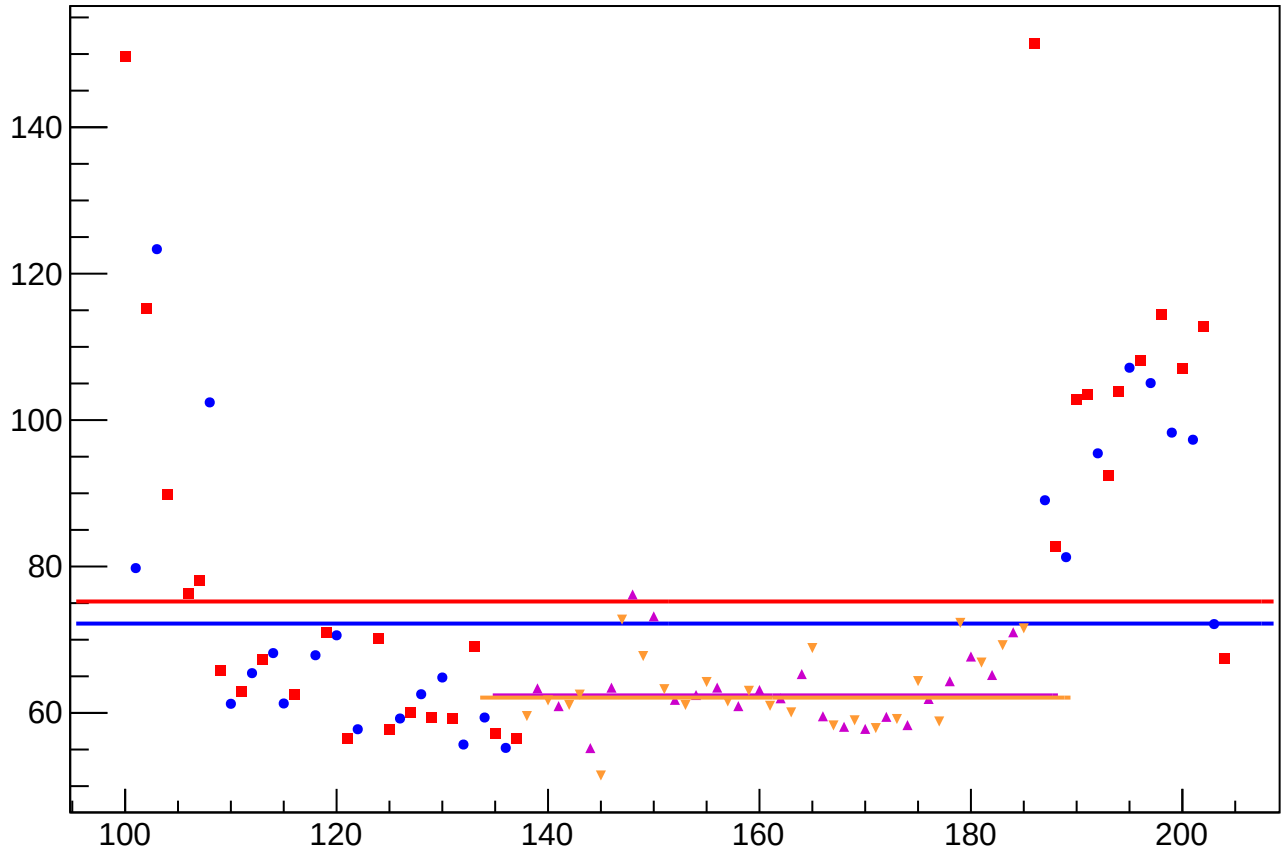
Right Out: 20.988+/-19.999 χ^2/NDF: 34.3/29

Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -51.836+/-11.678 χ^2/NDF: 90.5/48

All: 6.421+/-8.308 χ^2/NDF: 208.1/101

- sign 66.123+/-11.822 χ^2/NDF: 67.2/52



Right In: 72.204+/-0.015 χ^2/NDF: 1457561.2/23

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 75.221+/-0.014 χ^2/NDF: 2005929.6/29

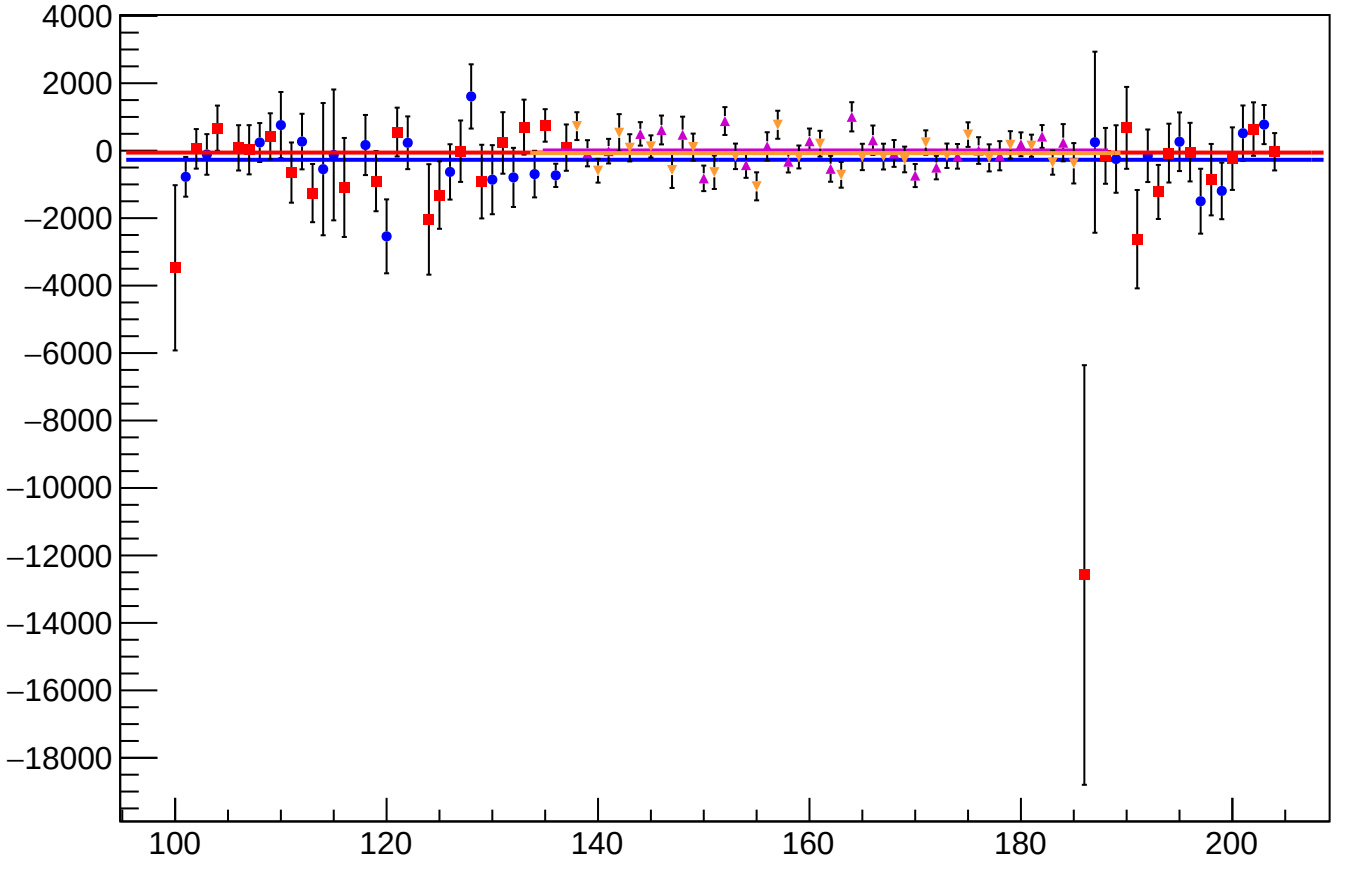
Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 65.341+/-0.008 χ^2/NDF: 2017838.1/48

All: 66.100+/-0.006 χ^2/NDF: 4764849.1/101

- sign 66.877+/-0.008 χ^2/NDF: 2729937.6/52

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -270.006+/-154.647 χ^2/NDF: 22.5/23

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -56.200+/-150.627 χ^2/NDF: 26.7/29

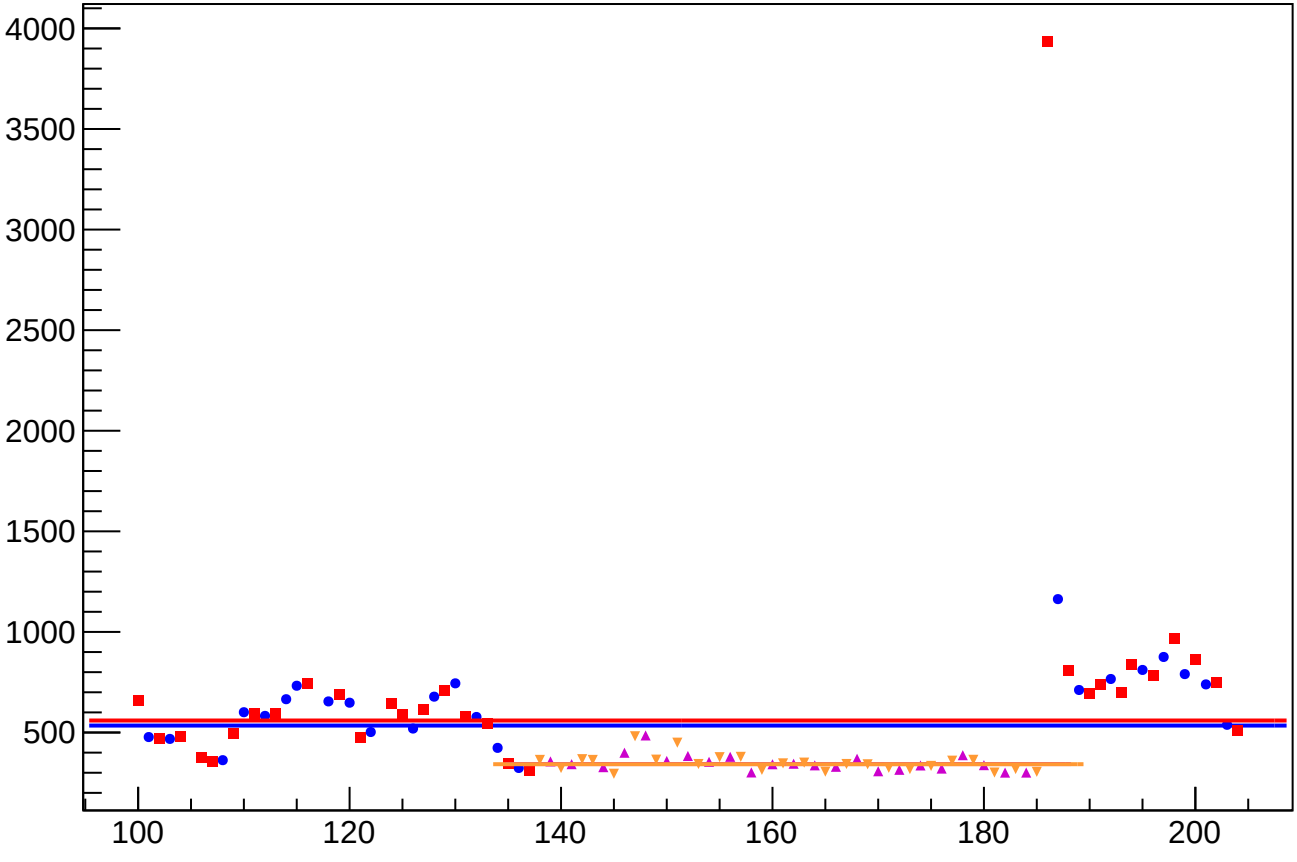
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -111.946+/-69.927 χ^2/NDF: 52.3/48

All: -60.786+/-49.881 χ^2/NDF: 114.3/101

- sign -7.784+/-71.175 χ^2/NDF: 60.8/52

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 534.553+/-0.109 χ^2/NDF: 2373161.1/23

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 559.678+/-0.107 χ^2/NDF: 3084681.7/29

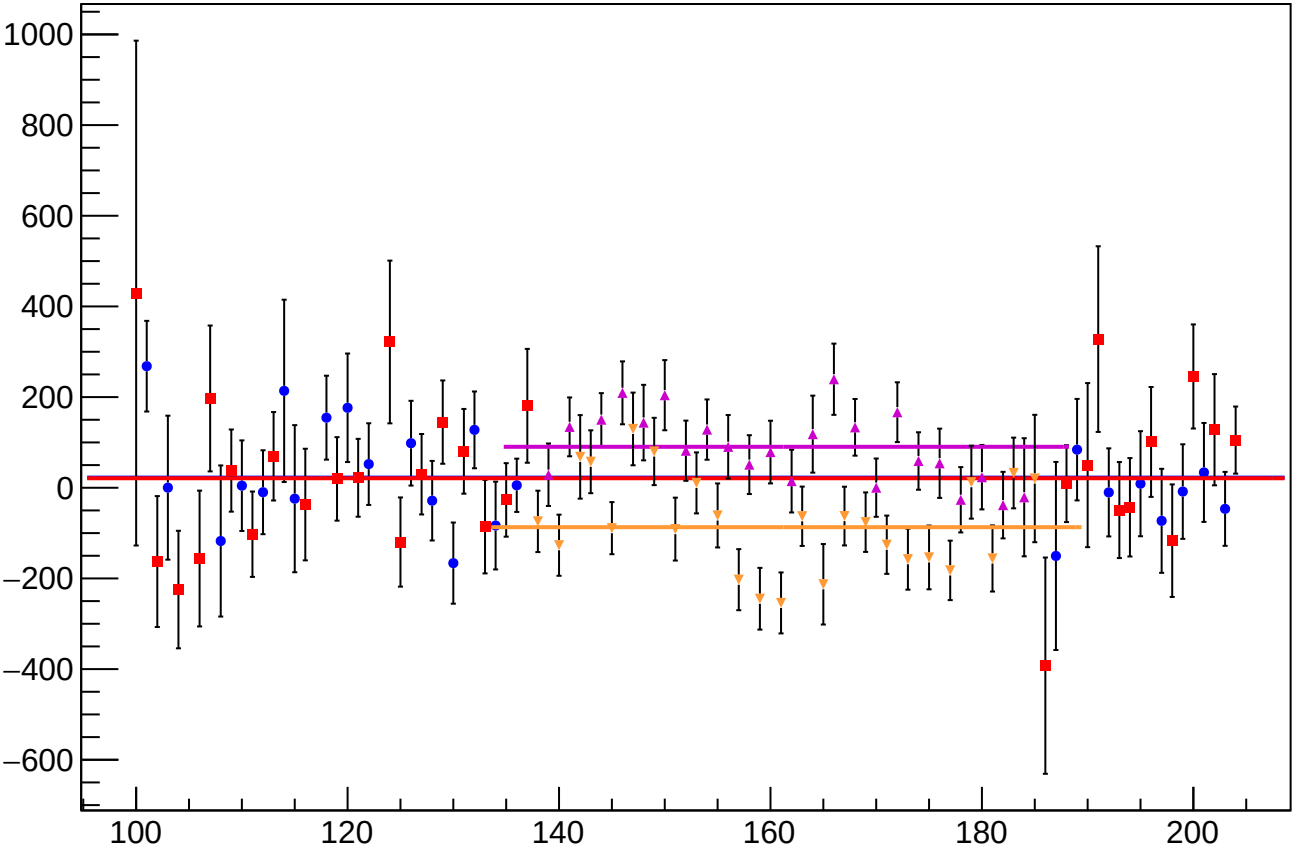
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 381.769+/-0.049 χ^2/NDF: 5261183.3/48

All: 386.583+/-0.035 χ^2/NDF: 11945458.5/10

- sign 391.570+/-0.050 χ^2/NDF: 6664975.0/52

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 22.369+/-20.604 χ^2/NDF: 22.6/23

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 20.988+/-19.999 χ^2/NDF: 34.3/29

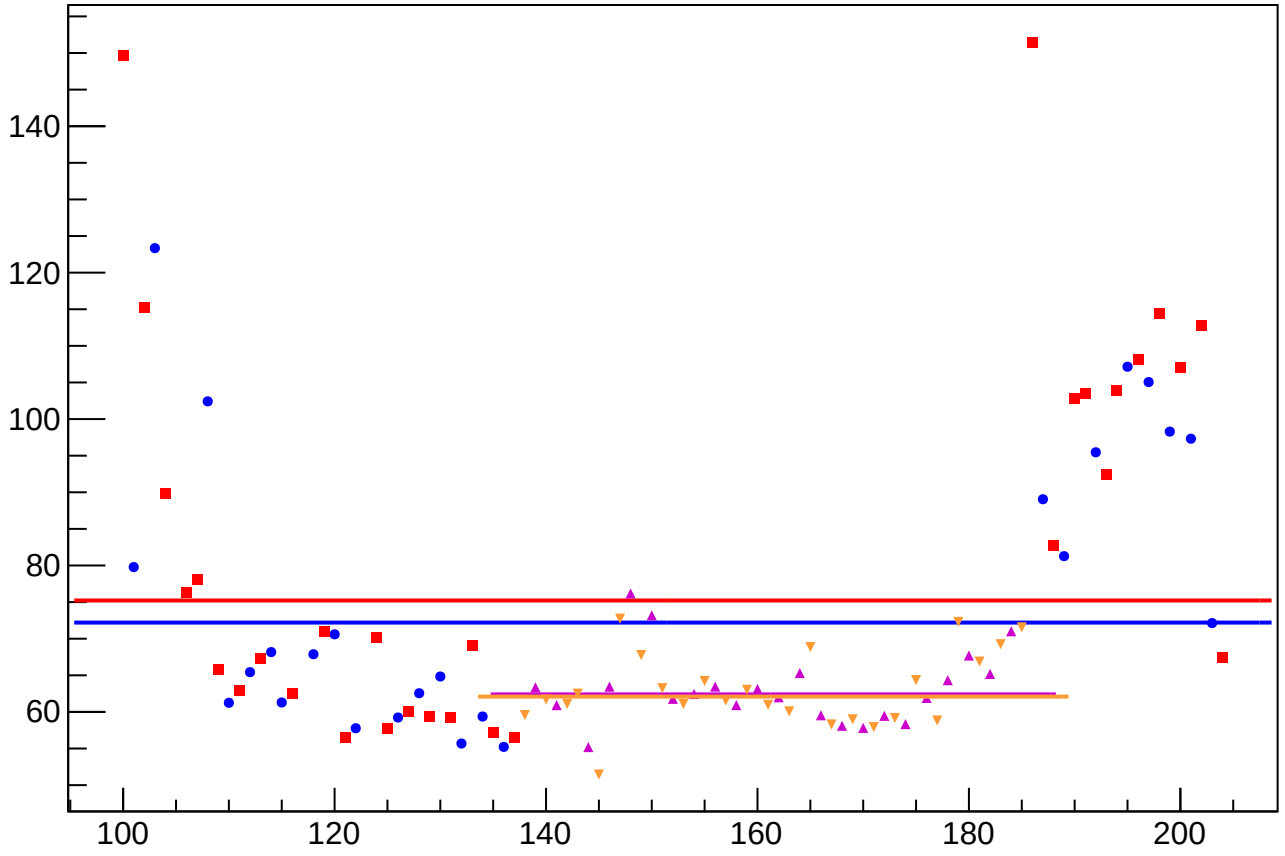
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -51.836+/-11.678 χ^2/NDF: 90.5/48

All: 6.421+/-8.308 χ^2/NDF: 208.1/101

- sign 66.123+/-11.822 χ^2/NDF: 67.2/52

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 72.204+/-0.015 χ^2/NDF: 1457582.7/23

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

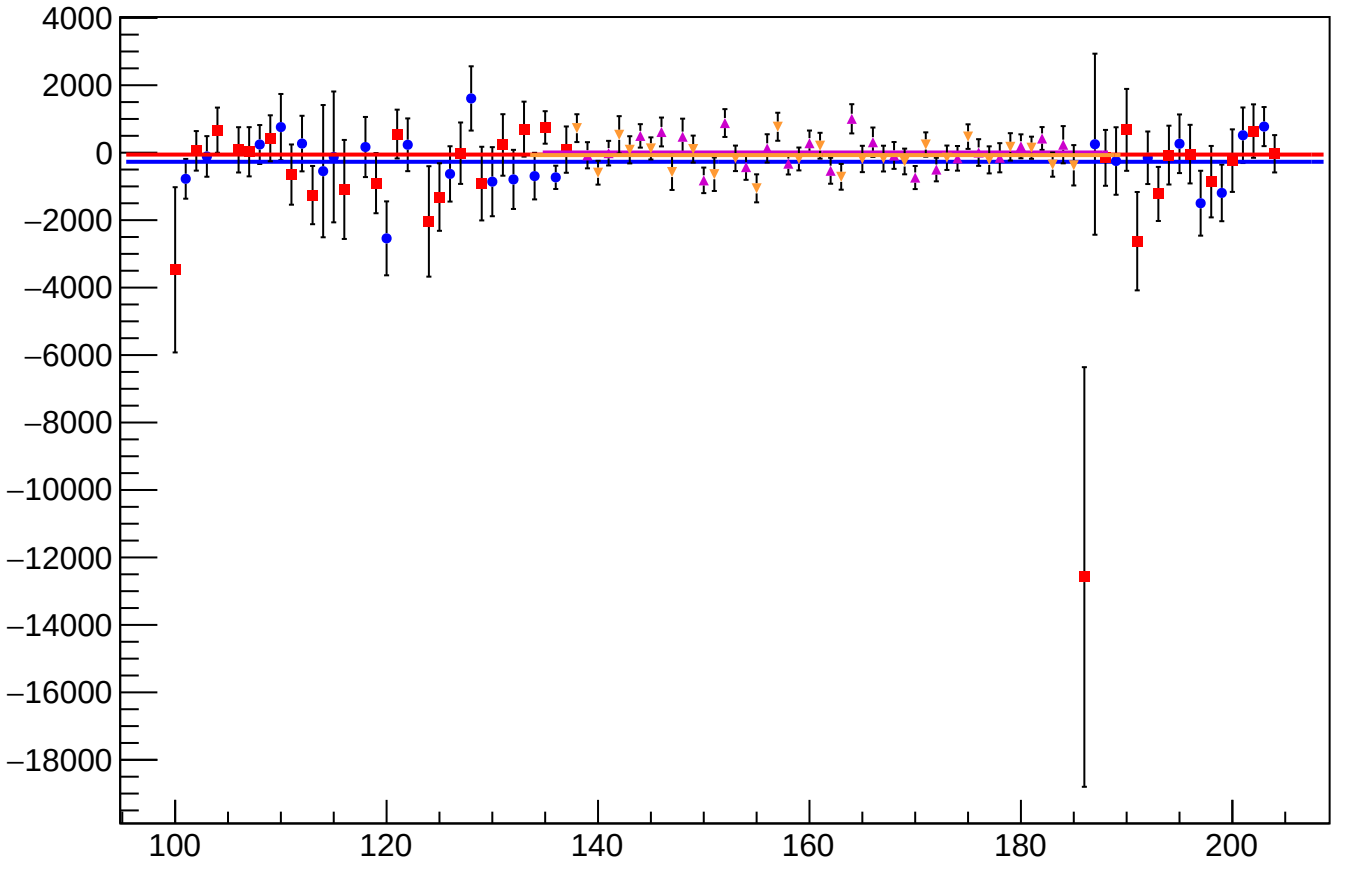
Right Out: 75.221+/-0.014 χ^2/NDF: 2005932.2/29

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 65.341+/-0.008 χ^2/NDF: 2017859.1/48

All: 66.100+/-0.006 χ^2/NDF: 4764868.6/101

- sign 66.877+/-0.008 χ^2/NDF: 2729935.6/52



Right In: -270.006+/-154.647 χ^2/NDF: 22.5/23

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -56.199+/-150.626 χ^2/NDF: 26.7/29

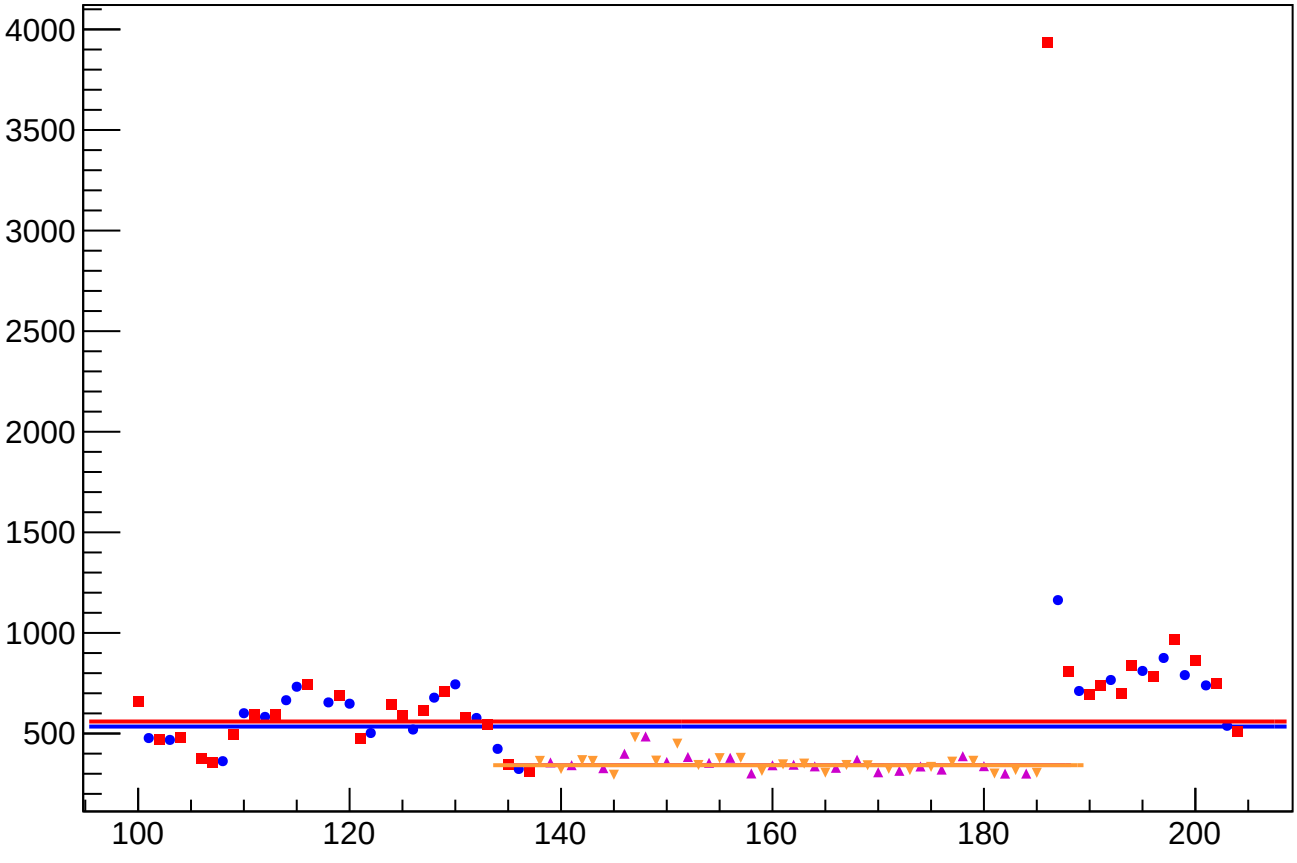
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -111.946+/-69.927 χ^2/NDF: 52.3/48

All: -60.786+/-49.881 χ^2/NDF: 114.3/101

- sign -7.784+/-71.175 χ^2/NDF: 60.8/52

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 534.553+/-0.109 χ^2/NDF: 2373164.9/23

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 559.678+/-0.107 χ^2/NDF: 3084688.0/29

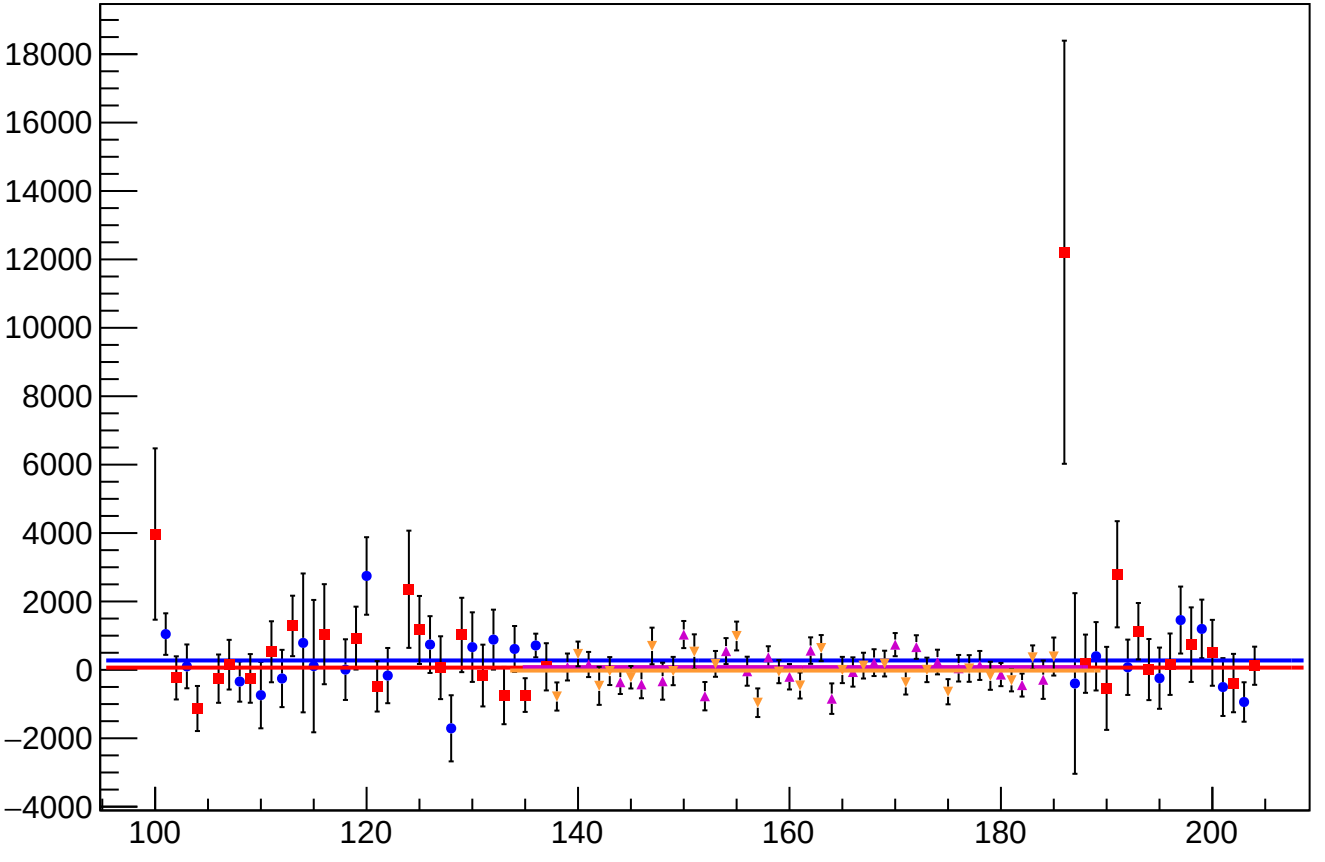
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 381.769+/-0.049 χ^2/NDF: 5261178.0/48

All: 386.583+/-0.035 χ^2/NDF: 11945441.8/10

- sign 391.570+/-0.050 χ^2/NDF: 6664963.2/52

asym_sam_13_57_dd_mean vs Slug



Right In: 275.196+/-156.736 χ^2/NDF: 24.9/23

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 66.152+/-154.108 χ^2/NDF: 27.6/29

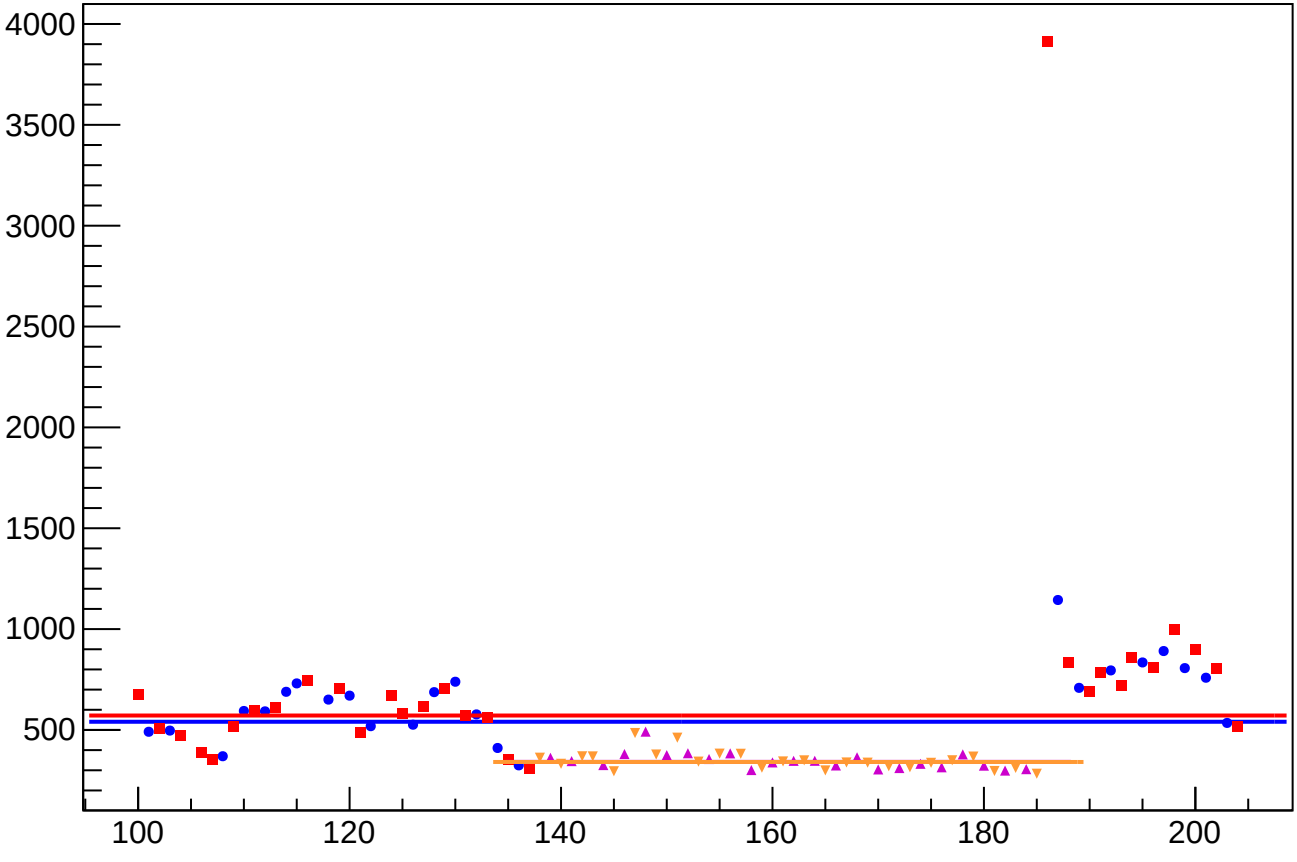
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 38.614+/-69.972 χ^2/NDF: 59.1/48

All: 56.973+/-49.937 χ^2/NDF: 119.8/101

- sign 76.030+/-71.289 χ^2/NDF: 60.6/52

asym_sam_13_57_dd_rms vs Slug



Right In: 540.580+/-0.111 χ^2/NDF: 2432908.1/23

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

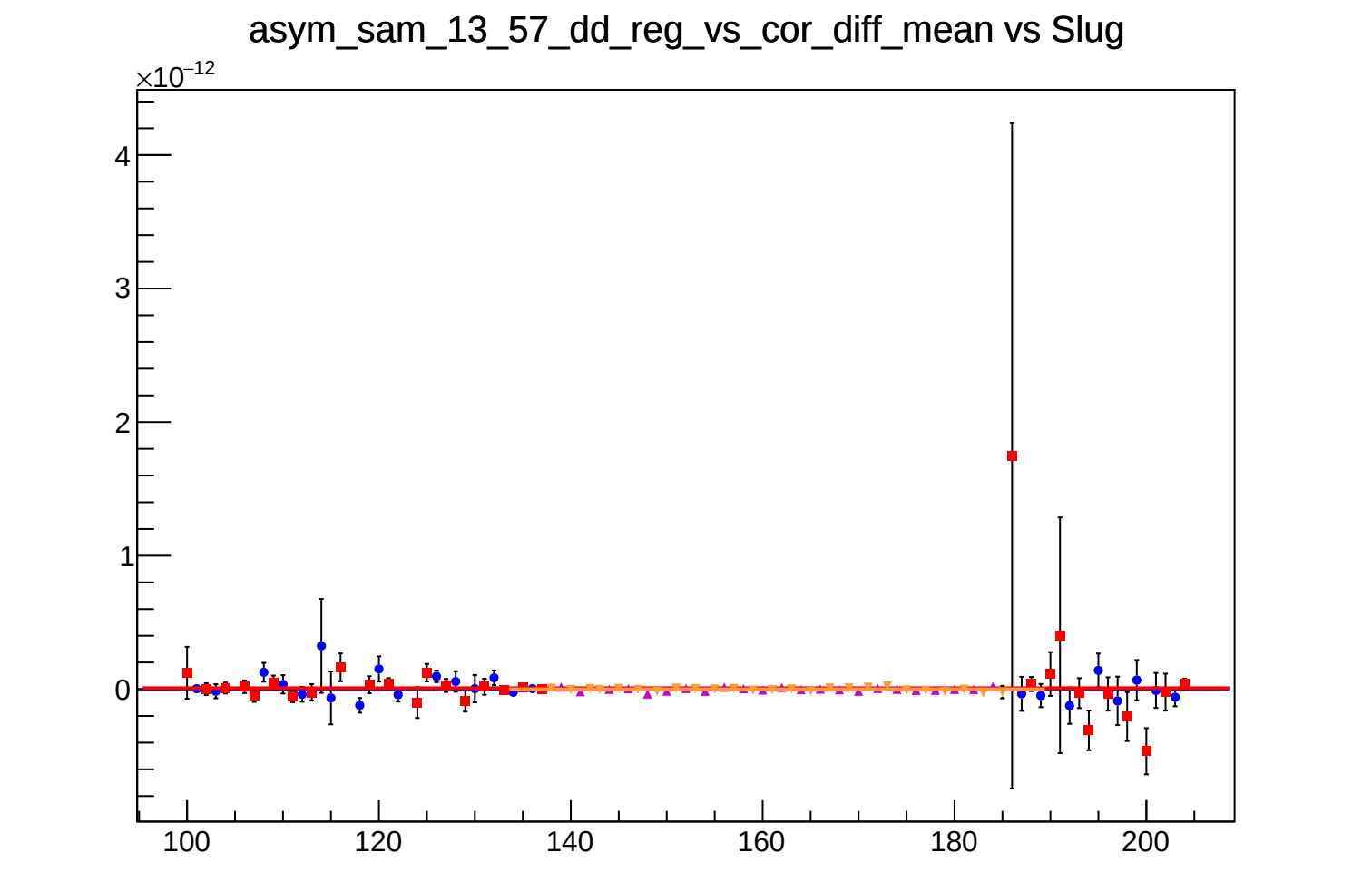
Right Out: 571.531+/-0.109 χ^2/NDF: 3161893.8/29

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 380.935+/-0.049 χ^2/NDF: 5535137.0/48

All: 385.786+/-0.035 χ^2/NDF: 12612303.2/10

- sign 390.821+/-0.050 χ^2/NDF: 7057578.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

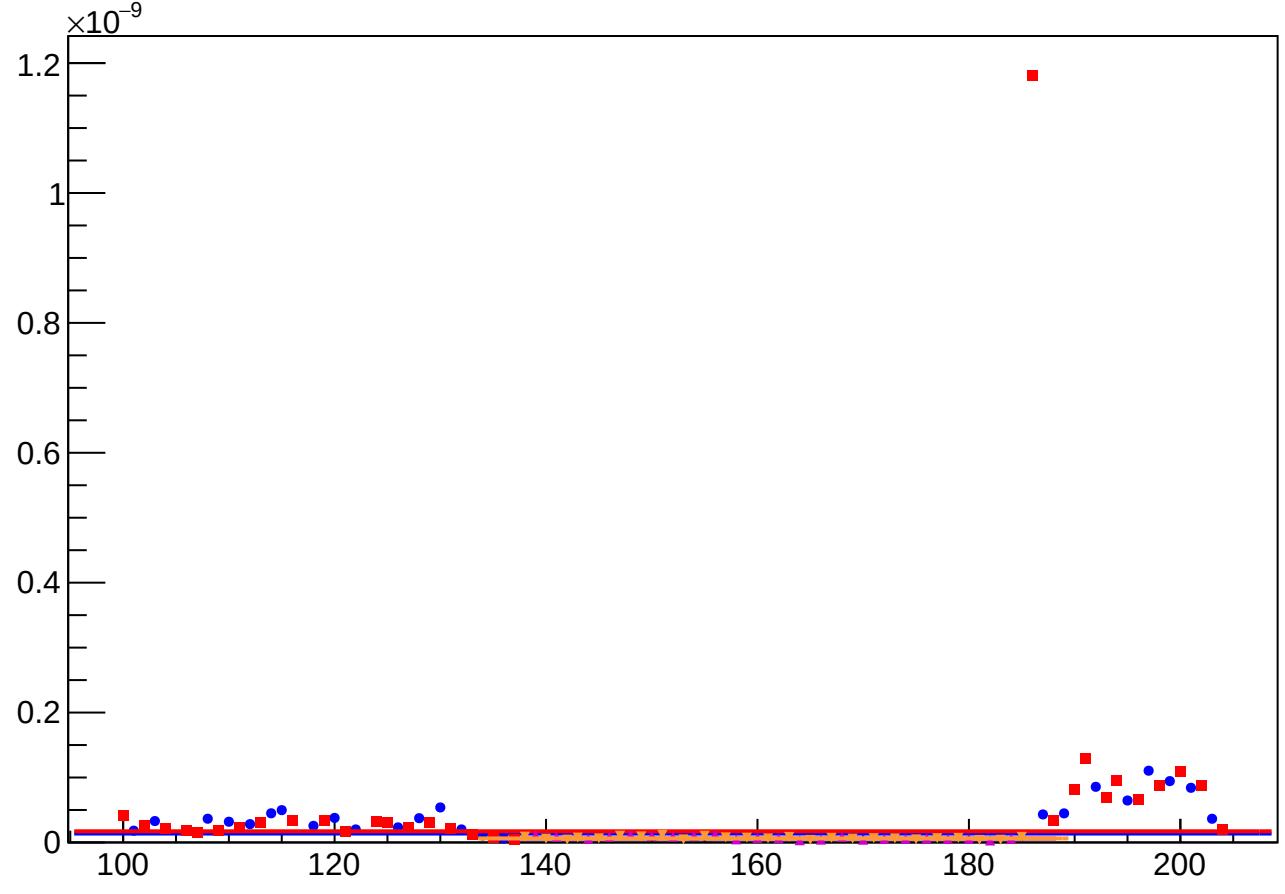
Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/29

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.5/48

All: -0.000+/-0.000 χ^2/NDF: 89.9/101

- sign -0.000+/-0.000 χ^2/NDF: 45.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 6145428.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5621931.7/29

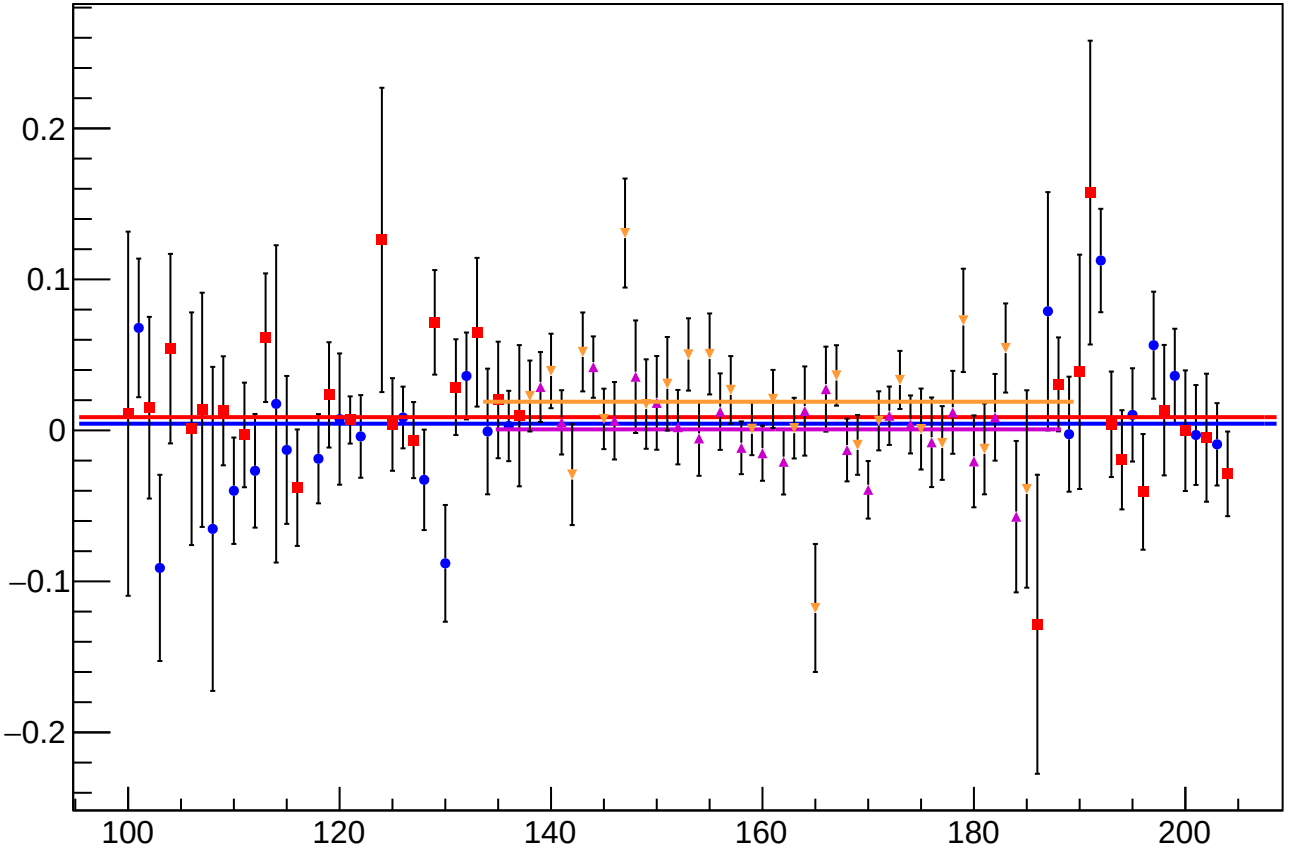
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8963632.8/48

All: 0.000+/-0.000 χ^2/NDF: 19225741.5/101

- sign 0.000+/-0.000 χ^2/NDF: 10261911.3/52

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.007 χ^2/NDF: 30.5/23

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: 0.009+/-0.007 χ^2/NDF: 19.8/29

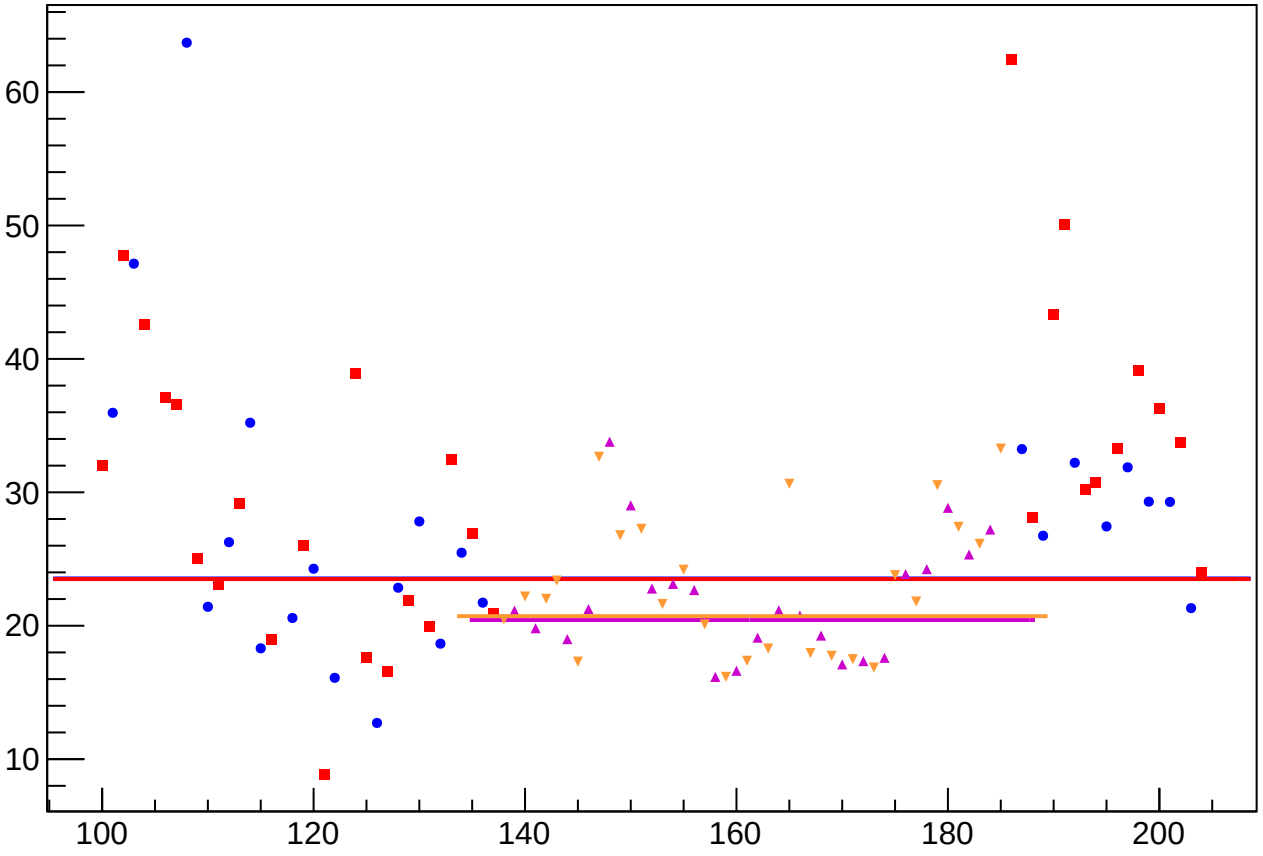
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 74.6/48

All: 0.009+/-0.003 χ^2/NDF: 116.6/101

- sign 0.003+/-0.004 χ^2/NDF: 38.4/52

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.540+/-0.005 χ^2/NDF: 2070498.5/23

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

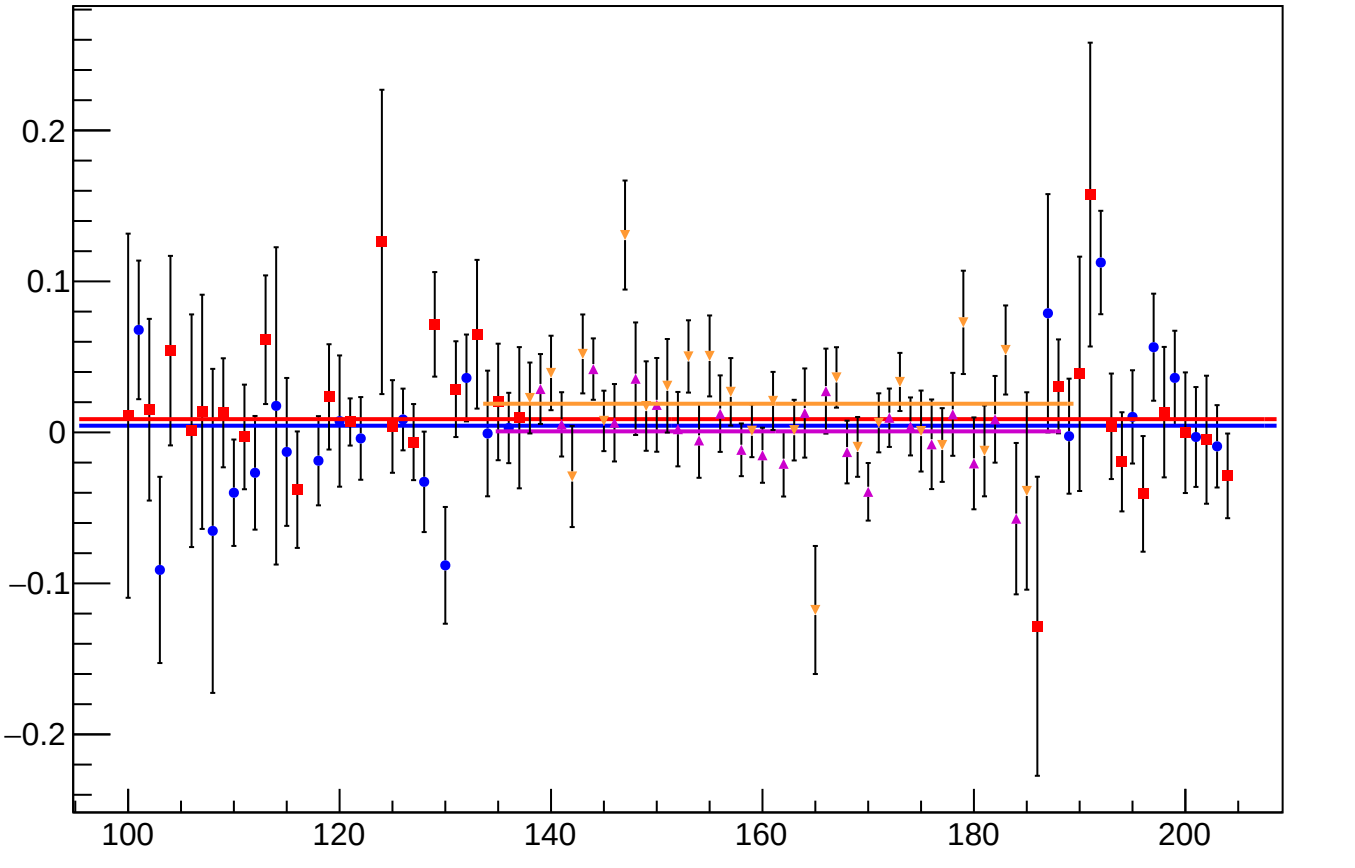
Right Out: 23.499+/-0.005 χ^2/NDF: 4375056.0/29

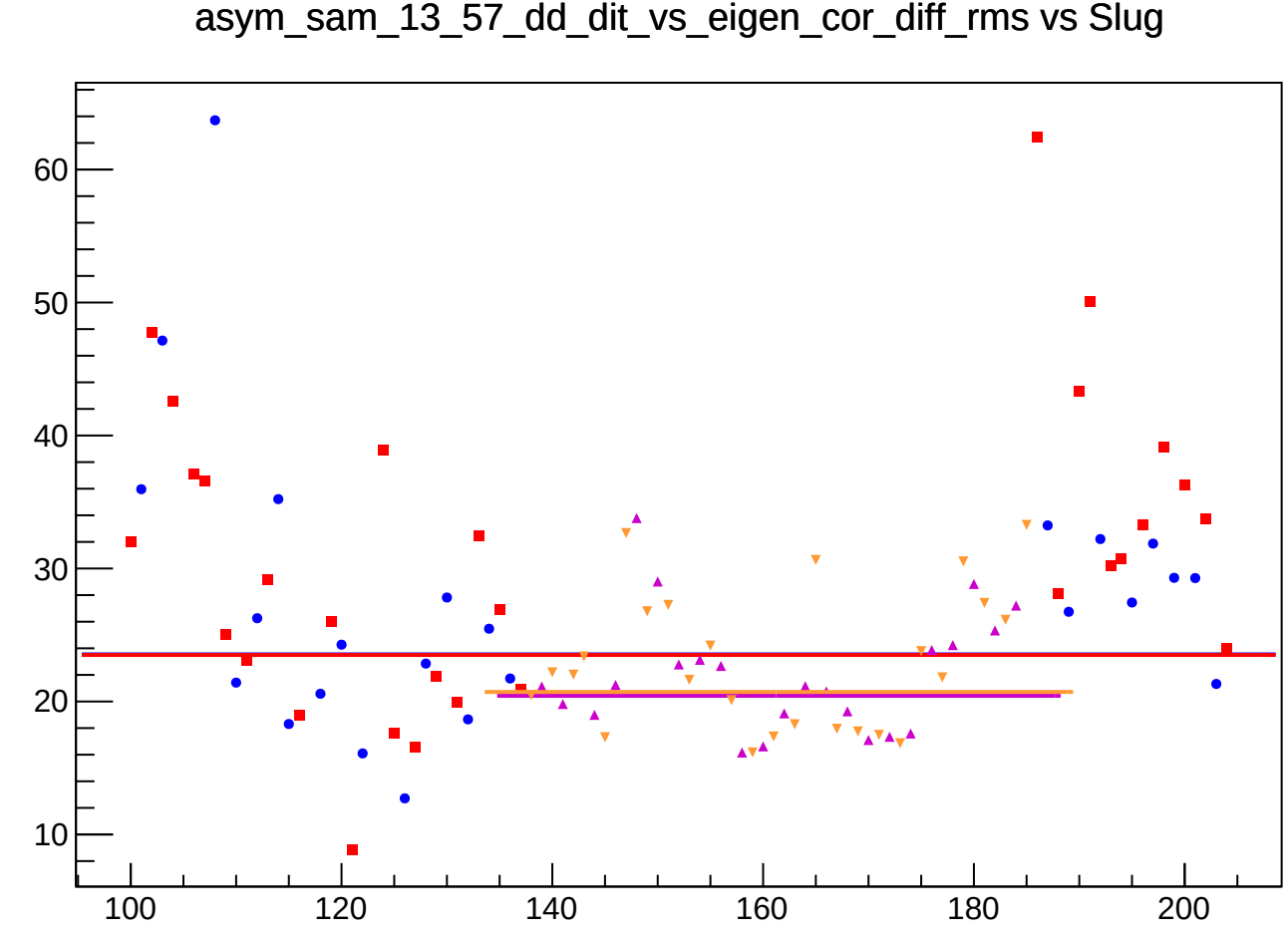
Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

\+ sign 21.635+/-0.003 χ^2/NDF: 3795023.8/48

All: 21.561+/-0.002 χ^2/NDF: 9612173.6/101

\- sign 21.488+/-0.003 χ^2/NDF: 5815796.6/52


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: 0.004+/-0.007 χ²/NDF: 30.5/23
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: 0.009+/-0.007 χ²/NDF: 19.8/29
Left In: 0.001+/-0.005 χ²/NDF:17.7/22
+ sign 0.014+/-0.004 χ²/NDF: 74.6/48
All: 0.009+/-0.003 χ²/NDF: 116.6/101
- sign 0.003+/-0.004 χ²/NDF: 38.4/52



Right In: 23.540+/-0.005 χ^2/NDF: 2070498.5/23

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

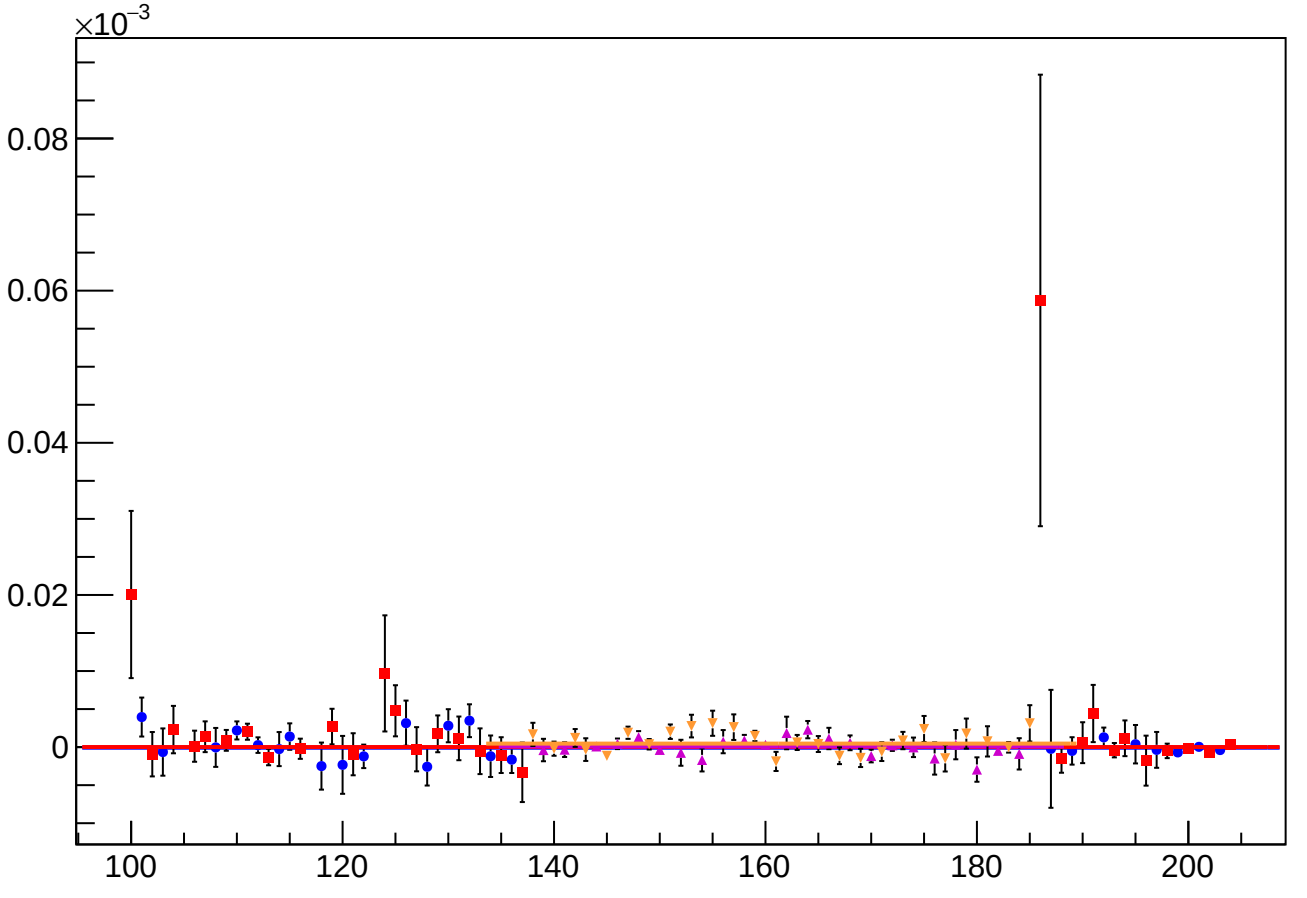
Right Out: 23.499+/-0.005 χ^2/NDF: 4375056.0/29

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.635+/-0.003 χ^2/NDF: 3795023.8/48

All: 21.561+/-0.002 χ^2/NDF: 9612173.6/101

- sign 21.488+/-0.003 χ^2/NDF: 5815796.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 19.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

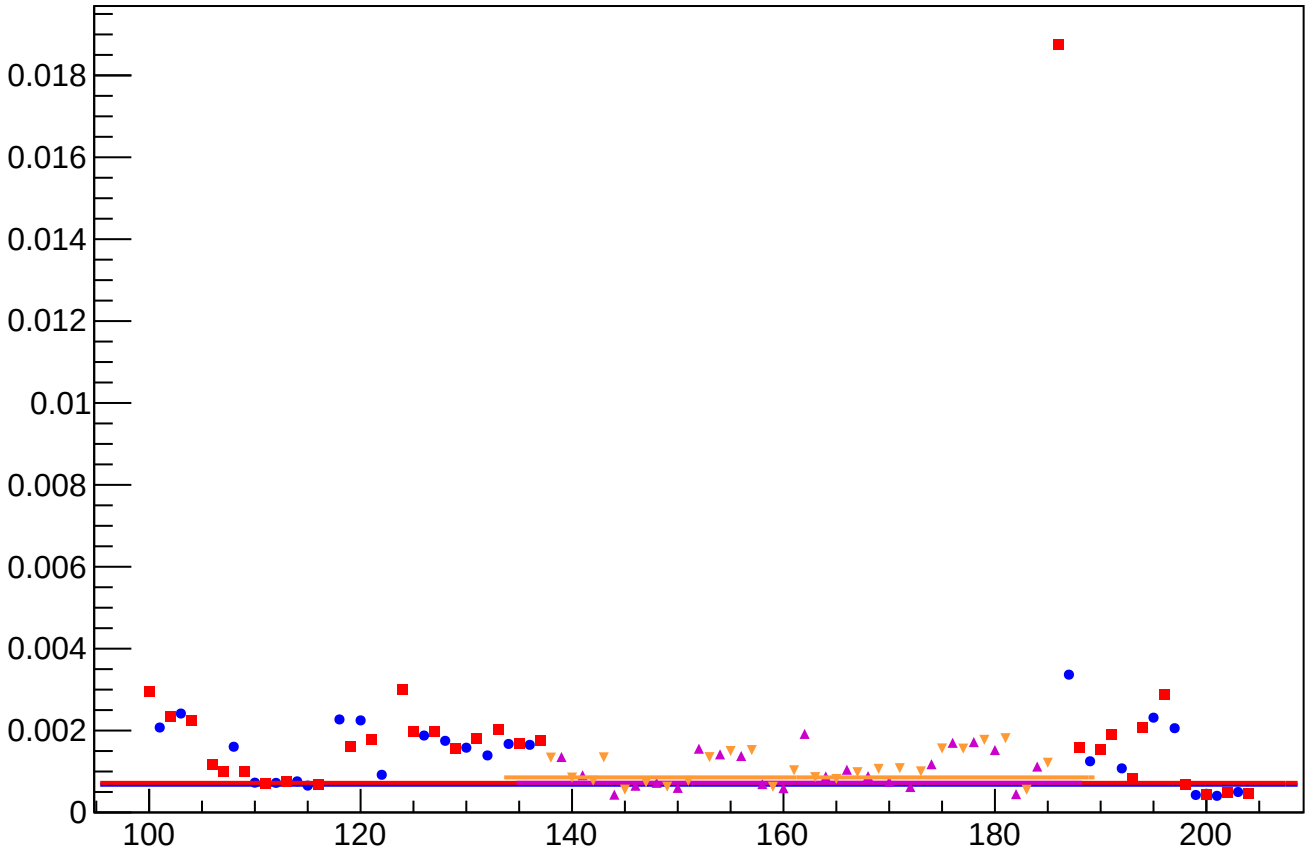
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/29

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.3/48

All: 0.000+/-0.000 χ^2/NDF: 105.3/101

- sign 0.000+/-0.000 χ^2/NDF: 45.4/52



Right In: 0.001+/-0.000 χ^2/NDF: 8257049.2/23

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

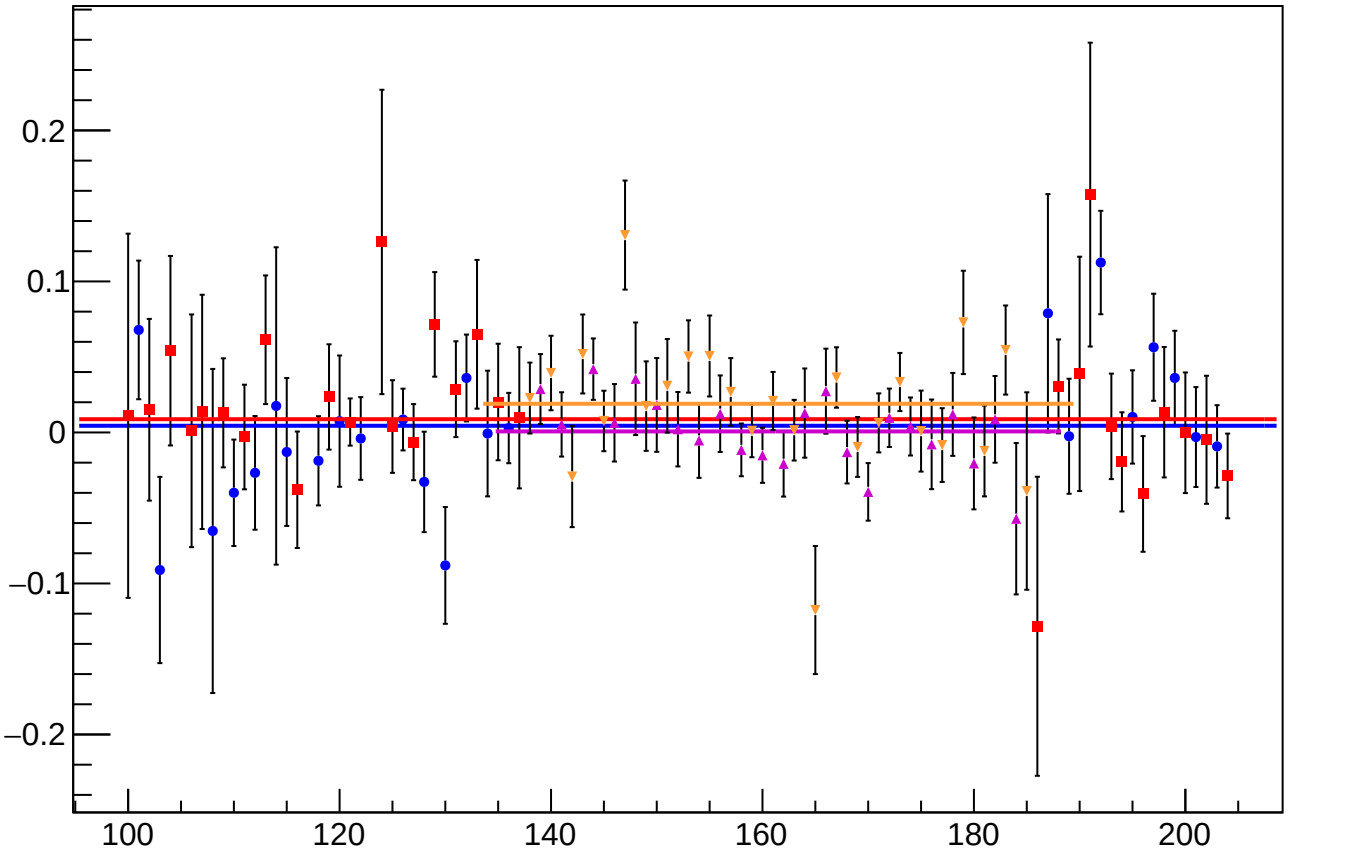
Right Out: 0.001+/-0.000 χ^2/NDF: 8814897.8/29

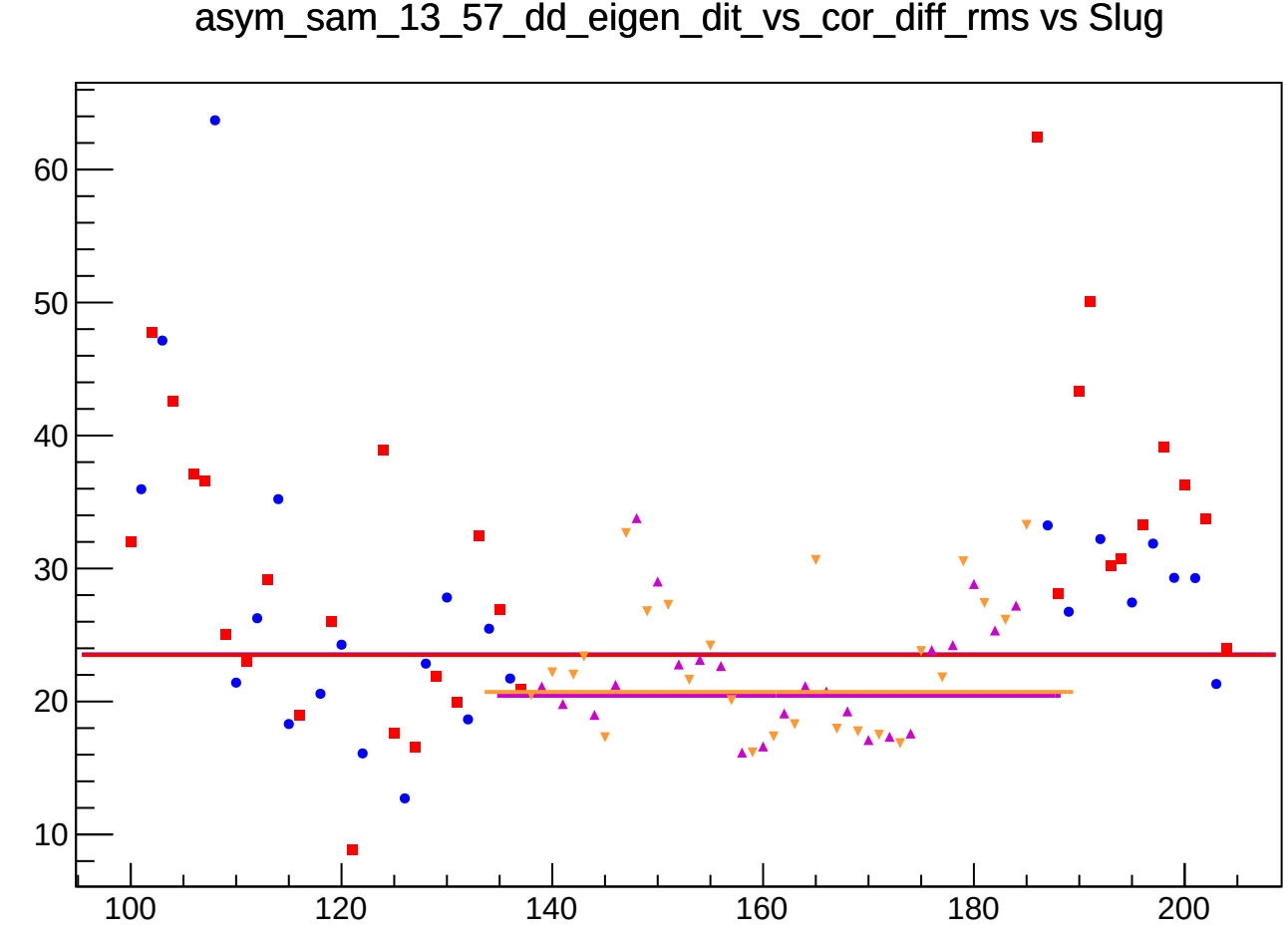
Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 13346527.5/48

All: 0.001+/-0.000 χ^2/NDF: 28078767.7/101

- sign 0.001+/-0.000 χ^2/NDF: 14620278.1/52


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: 0.004+/-0.007 χ²/NDF: 30.5/23
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: 0.009+/-0.007 χ²/NDF: 19.8/29
Left In: 0.001+/-0.005 χ²/NDF:17.7/22
+ sign 0.014+/-0.004 χ²/NDF: 74.6/48
All: 0.009+/-0.003 χ²/NDF: 116.6/101
- sign 0.003+/-0.004 χ²/NDF: 38.4/52



Right In: 23.541+/-0.005 χ^2/NDF: 2070320.5/23

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

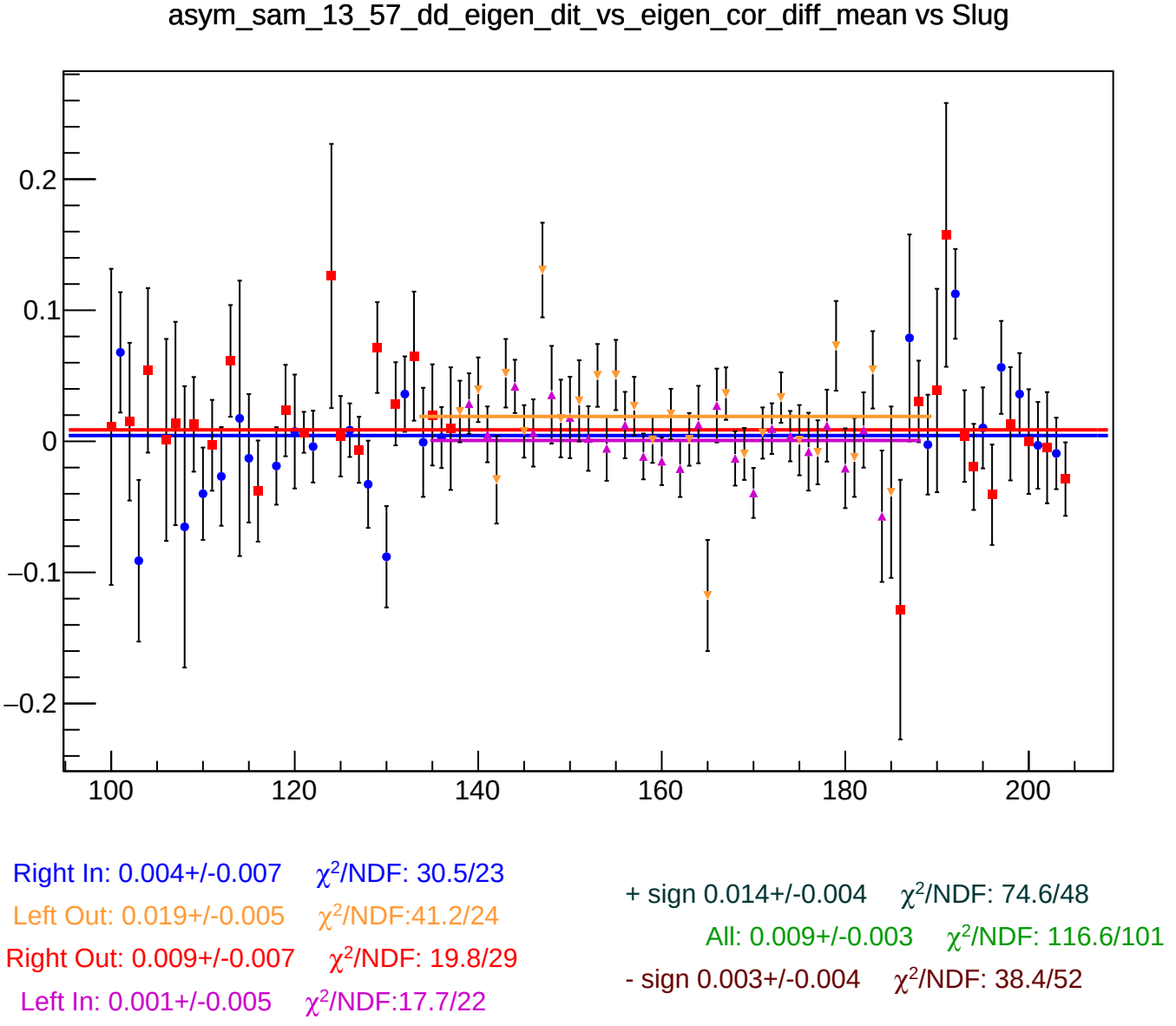
Right Out: 23.499+/-0.005 χ^2/NDF: 4374476.9/29

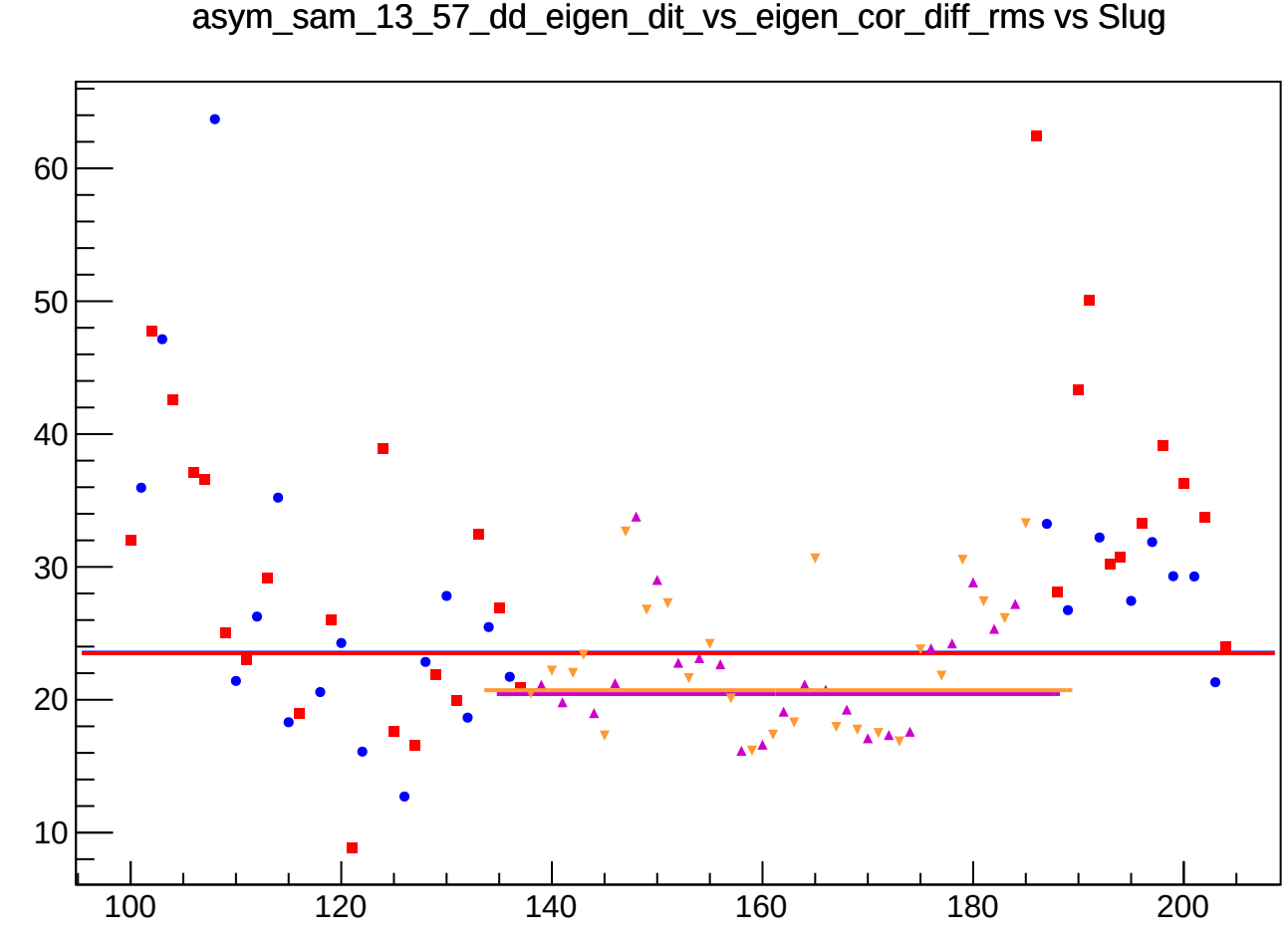
Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 21.635+/-0.003 χ^2/NDF: 3794994.5/48

All: 21.561+/-0.002 χ^2/NDF: 9611692.6/101

- sign 21.488+/-0.003 χ^2/NDF: 5815347.7/52


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: 0.004+/-0.007 χ²/NDF: 30.5/23
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: 0.009+/-0.007 χ²/NDF: 19.8/29
Left In: 0.001+/-0.005 χ²/NDF:17.7/22
+ sign 0.014+/-0.004 χ²/NDF: 74.6/48
All: 0.009+/-0.003 χ²/NDF: 116.6/101
- sign 0.003+/-0.004 χ²/NDF: 38.4/52



Right In: 23.541+/-0.005 χ^2/NDF: 2070320.5/23

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

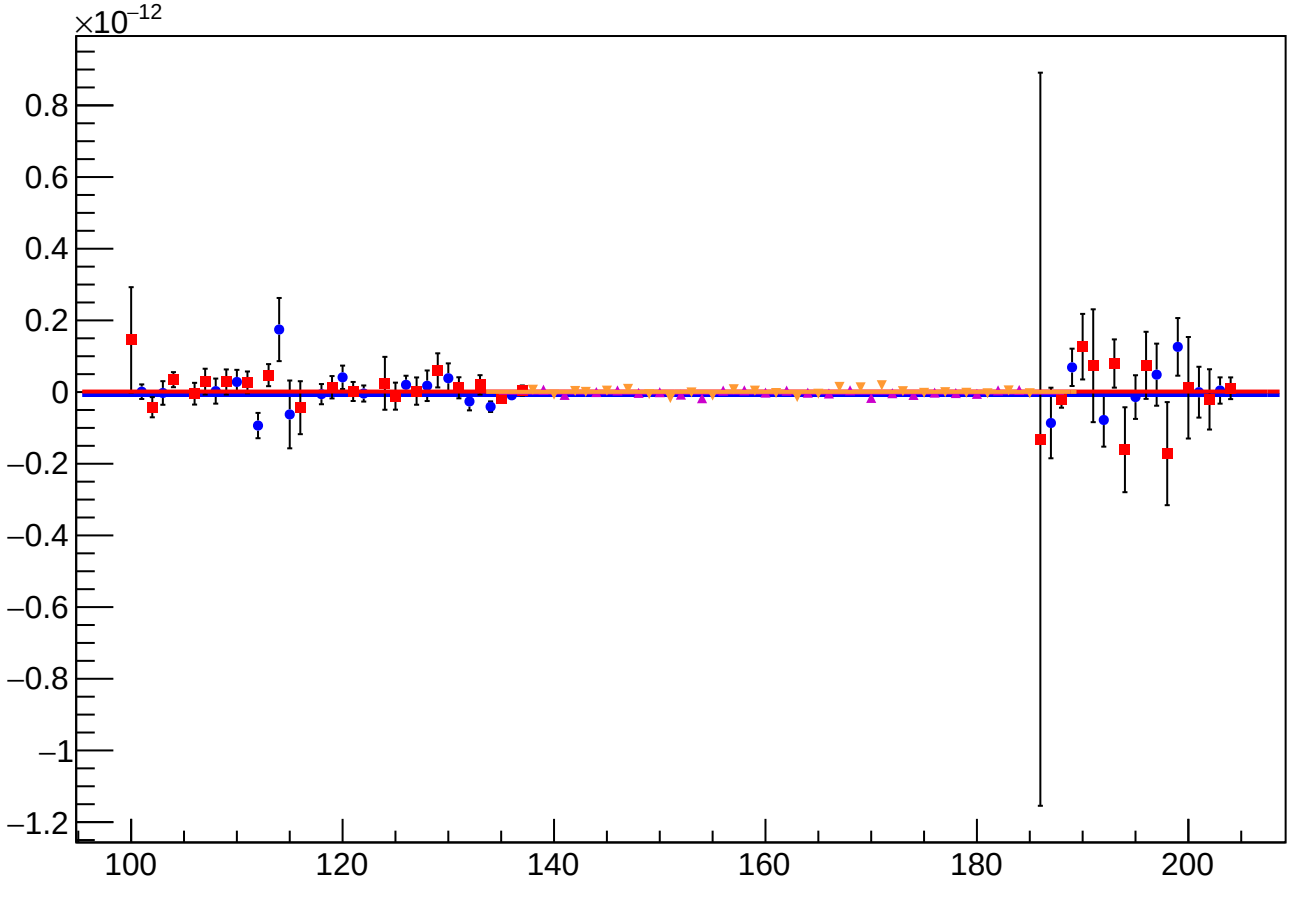
Right Out: 23.499+/-0.005 χ^2/NDF: 4374476.9/29

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

\+ sign 21.635+/-0.003 χ^2/NDF: 3794994.5/48

All: 21.561+/-0.002 χ^2/NDF: 9611692.6/101

\- sign 21.488+/-0.003 χ^2/NDF: 5815347.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 29.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

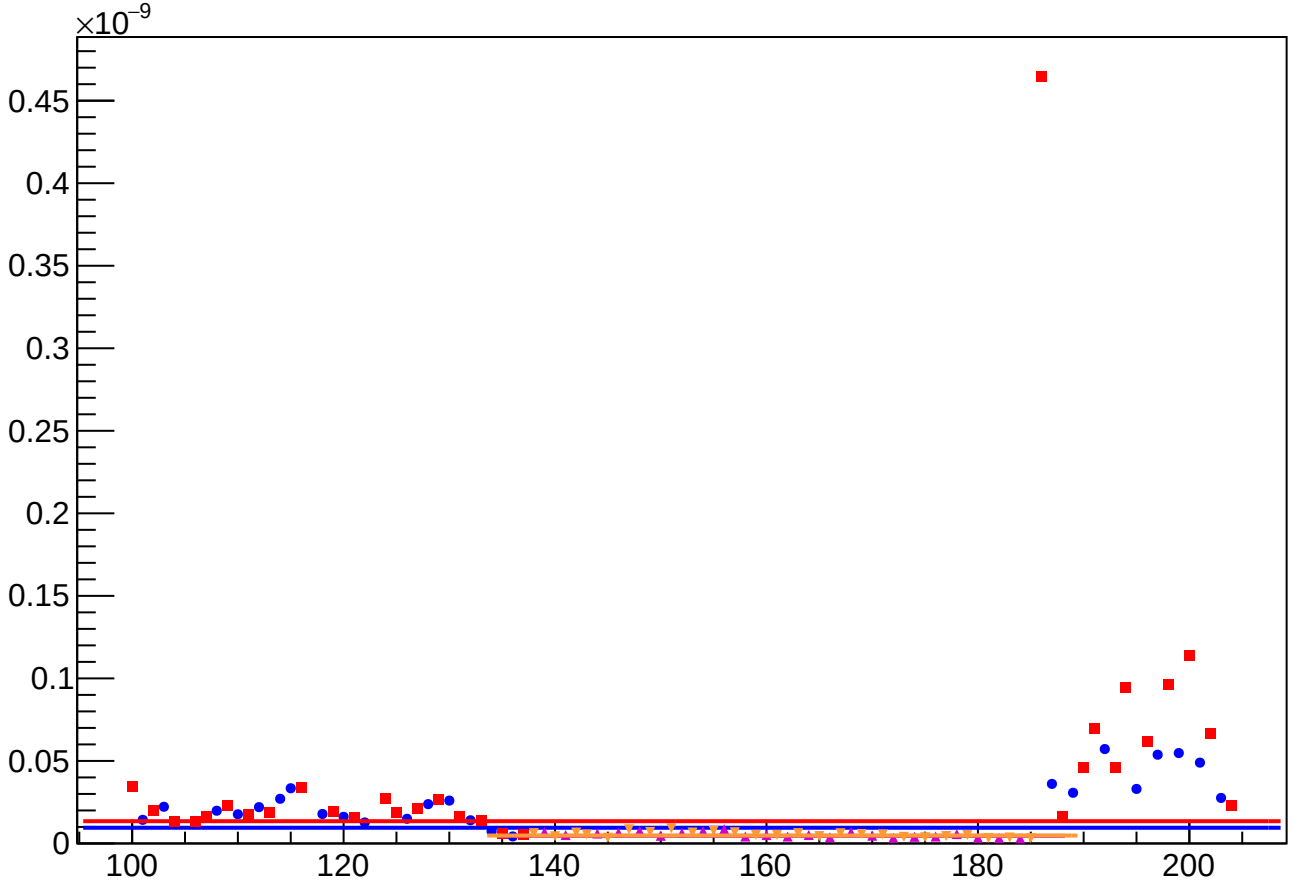
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/29

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.3/48

All: -0.000+/-0.000 χ^2/NDF: 109.2/101

- sign -0.000+/-0.000 χ^2/NDF: 46.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 7729688.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8364070.1/29

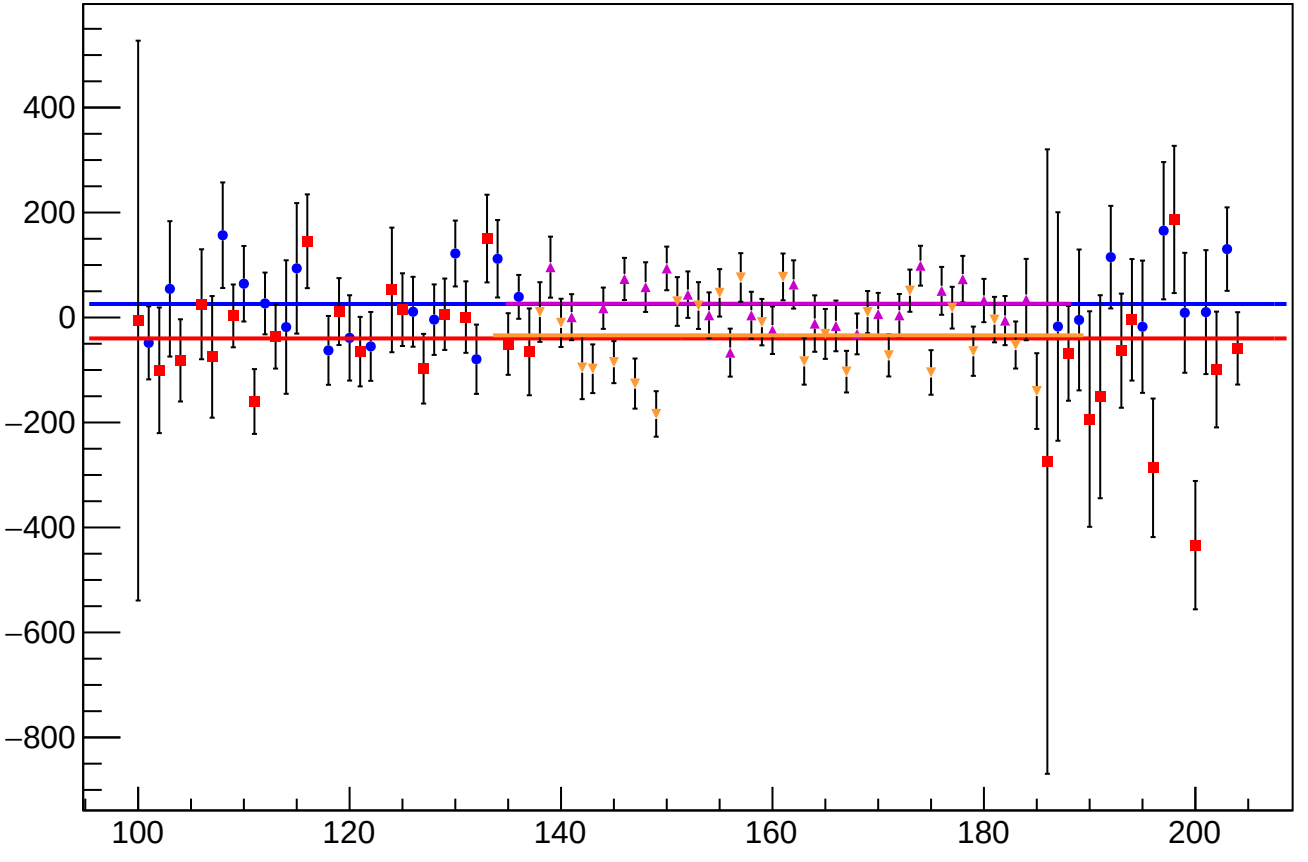
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11962103.7/48

All: 0.000+/-0.000 χ^2/NDF: 27391395.9/101

- sign 0.000+/-0.000 χ^2/NDF: 15427290.2/52

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 25.742+/-16.042 χ^2/NDF: 18.1/23

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -39.844+/-15.560 χ^2/NDF: 36.7/29

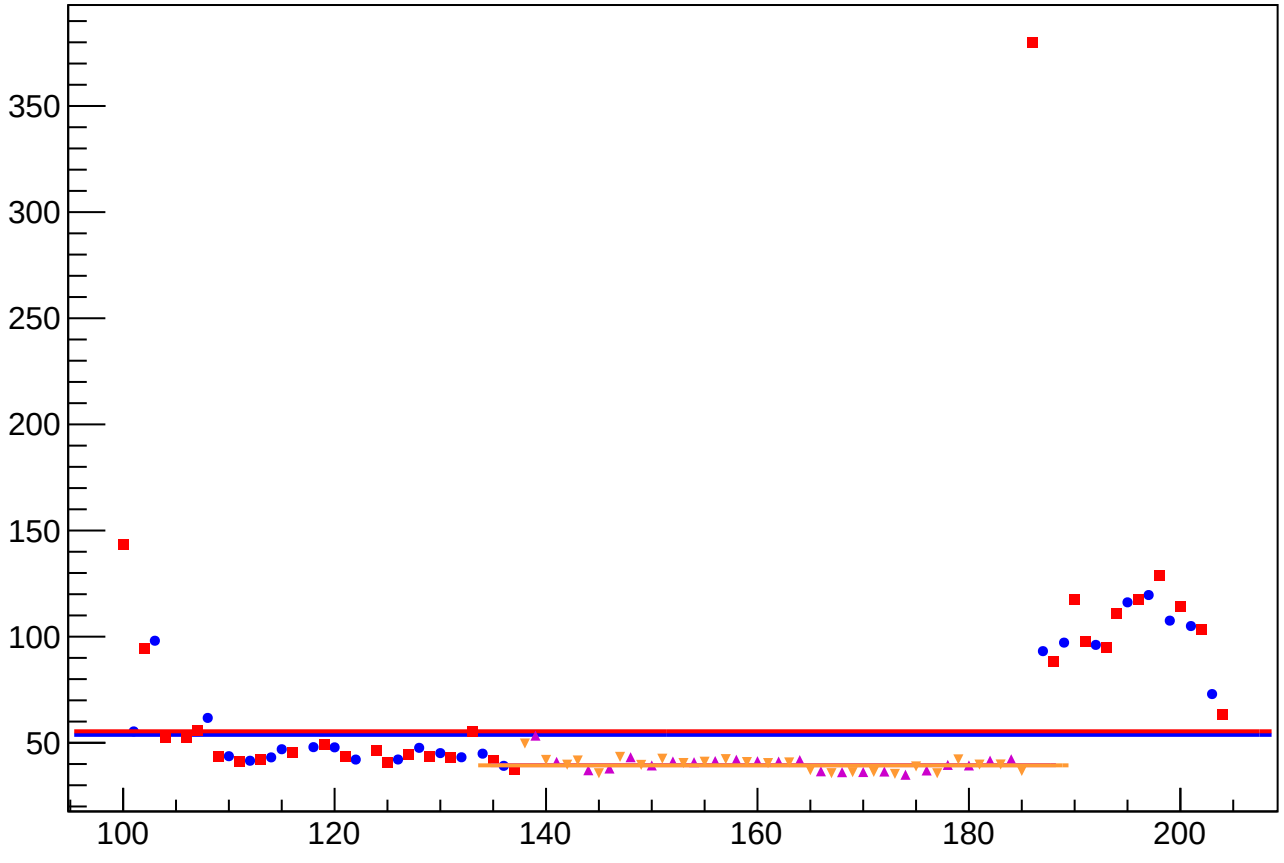
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -19.680+/-7.845 χ^2/NDF: 87.4/48

All: -5.585+/-5.589 χ^2/NDF: 166.4/101

- sign 8.945+/-7.965 χ^2/NDF: 72.5/52

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 53.754+/-0.011 χ^2/NDF: 3509820.9/23

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 55.421+/-0.011 χ^2/NDF: 4865494.4/29

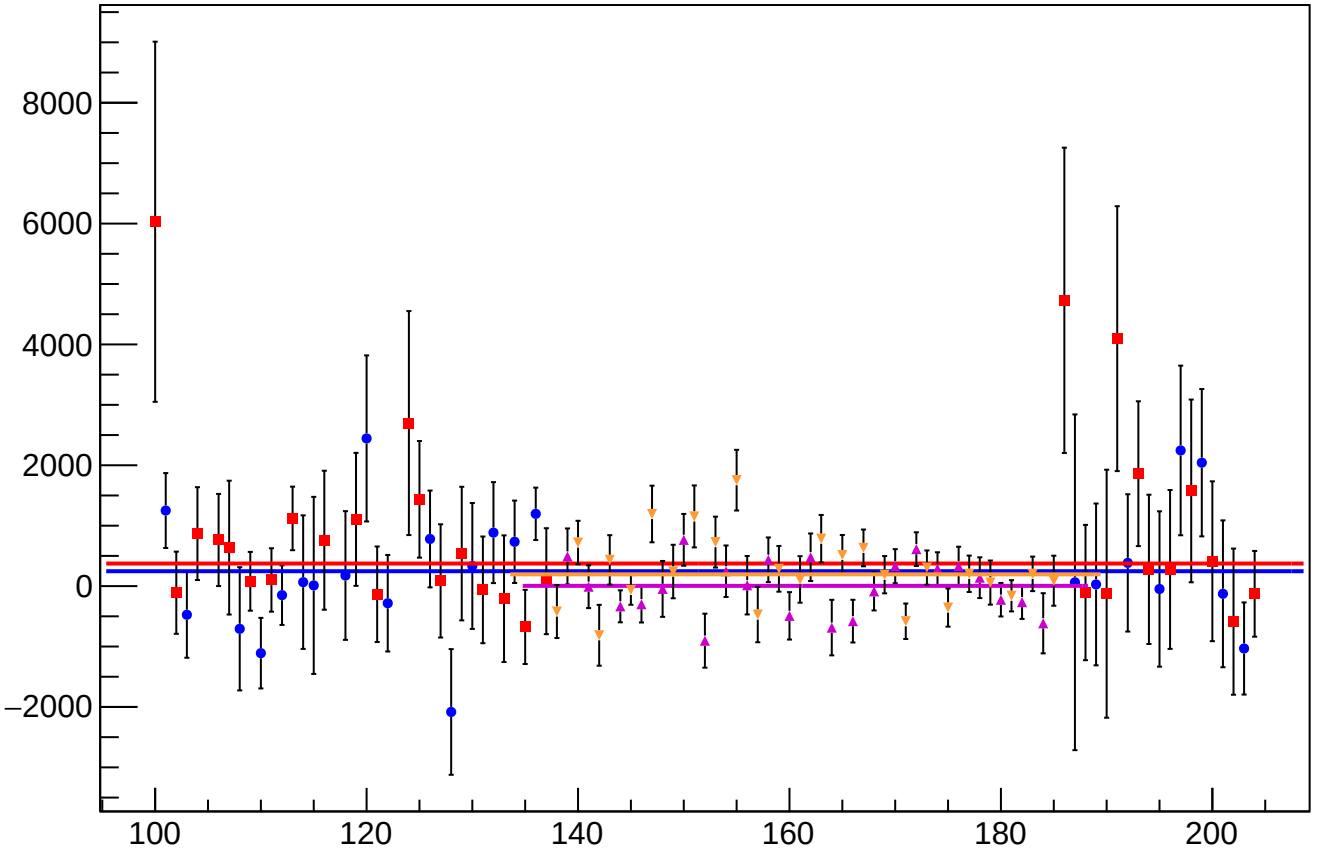
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 42.819+/-0.006 χ^2/NDF: 4959849.5/48

All: 43.235+/-0.004 χ^2/NDF: 11635485.3/101

- sign 43.665+/-0.006 χ^2/NDF: 6664199.4/52

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 246.576+/-169.526 χ^2/NDF: 32.2/23

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: 373.640+/-162.995 χ^2/NDF: 24.4/29

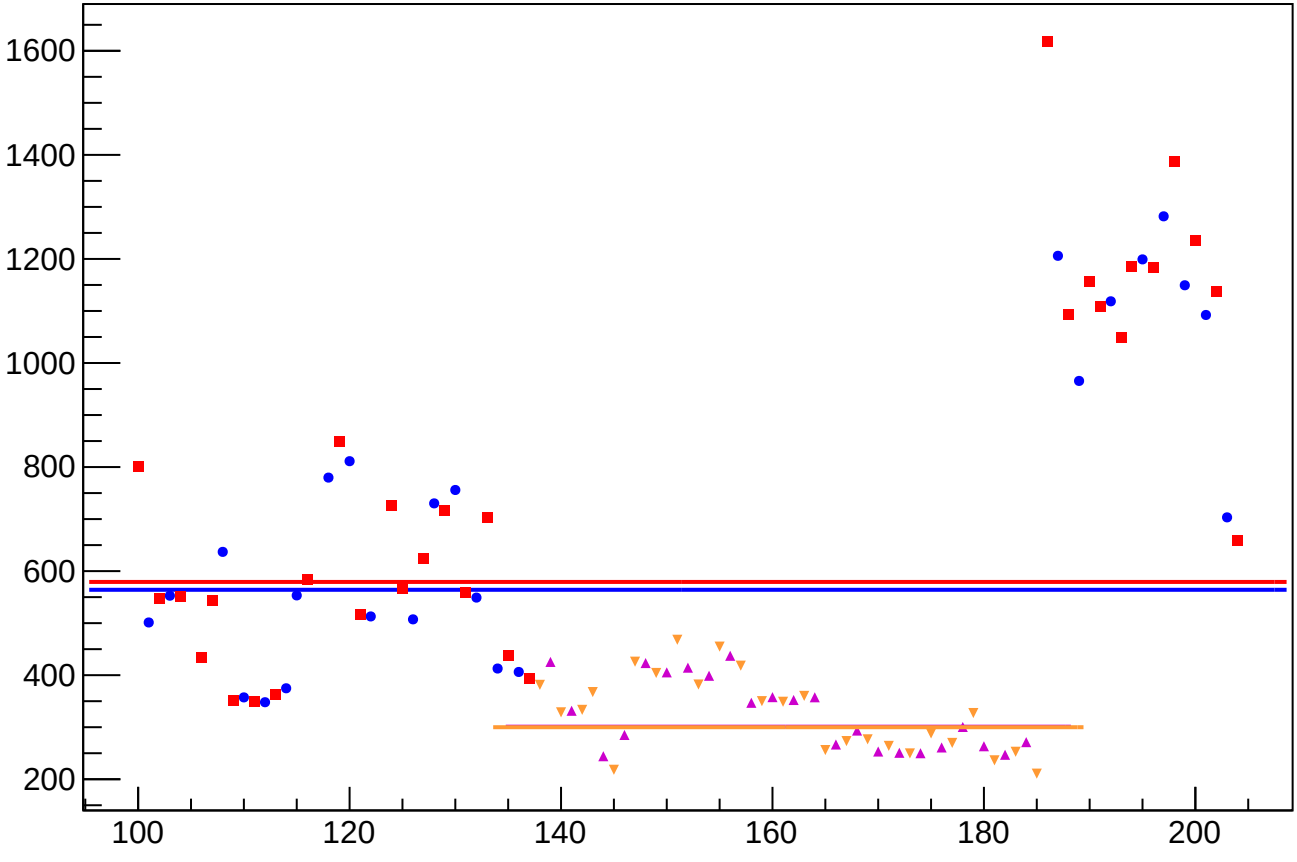
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 202.555+/-64.774 χ^2/NDF: 80.9/48

All: 134.579+/-46.177 χ^2/NDF: 144.1/101

- sign 64.336+/-65.846 χ^2/NDF: 61.0/52

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 564.100+/-0.120 χ^2/NDF: 4052087.2/23

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 579.206+/-0.115 χ^2/NDF: 5420758.0/29

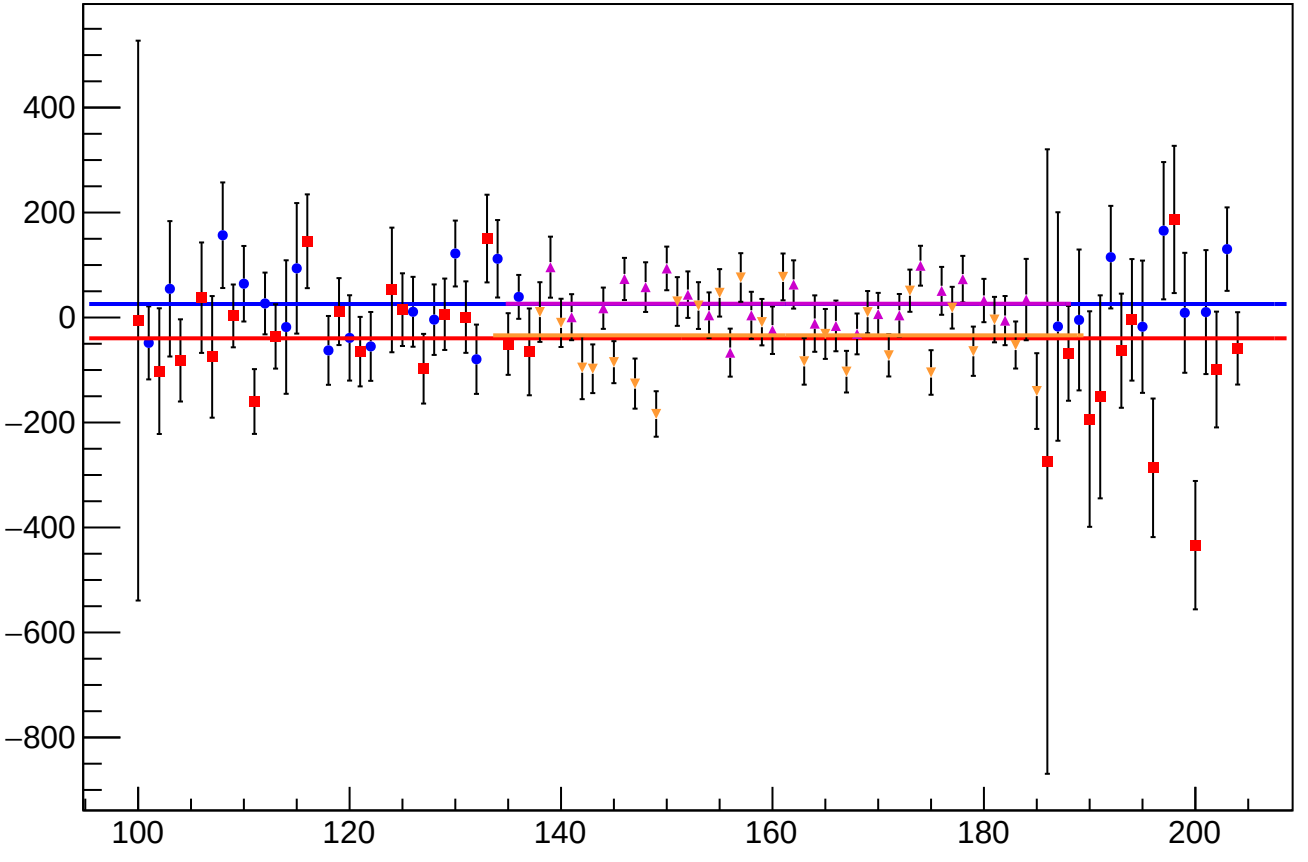
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 338.537+/-0.046 χ^2/NDF: 10006556.9/48

All: 342.405+/-0.033 χ^2/NDF: 21724735.7/10

- sign 346.402+/-0.047 χ^2/NDF: 11703677.0/52

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 25.747+/-16.042 χ^2/NDF: 18.1/23

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -39.609+/-15.562 χ^2/NDF: 36.8/29

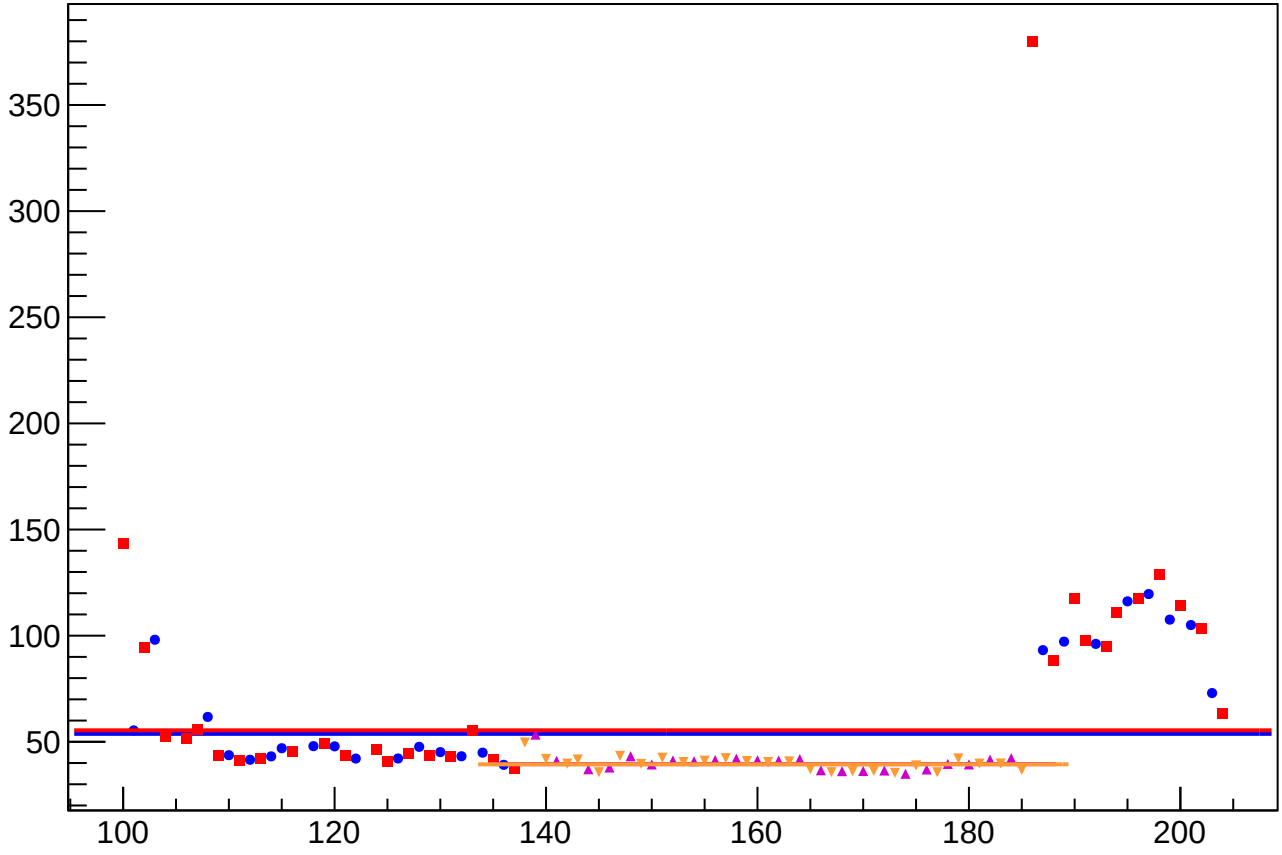
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -19.678+/-7.845 χ^2/NDF: 87.4/48

All: -5.552+/-5.589 χ^2/NDF: 166.5/101

- sign 9.010+/-7.965 χ^2/NDF: 72.5/52

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 53.754+/-0.011 χ^2/NDF: 3509824.0/23

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

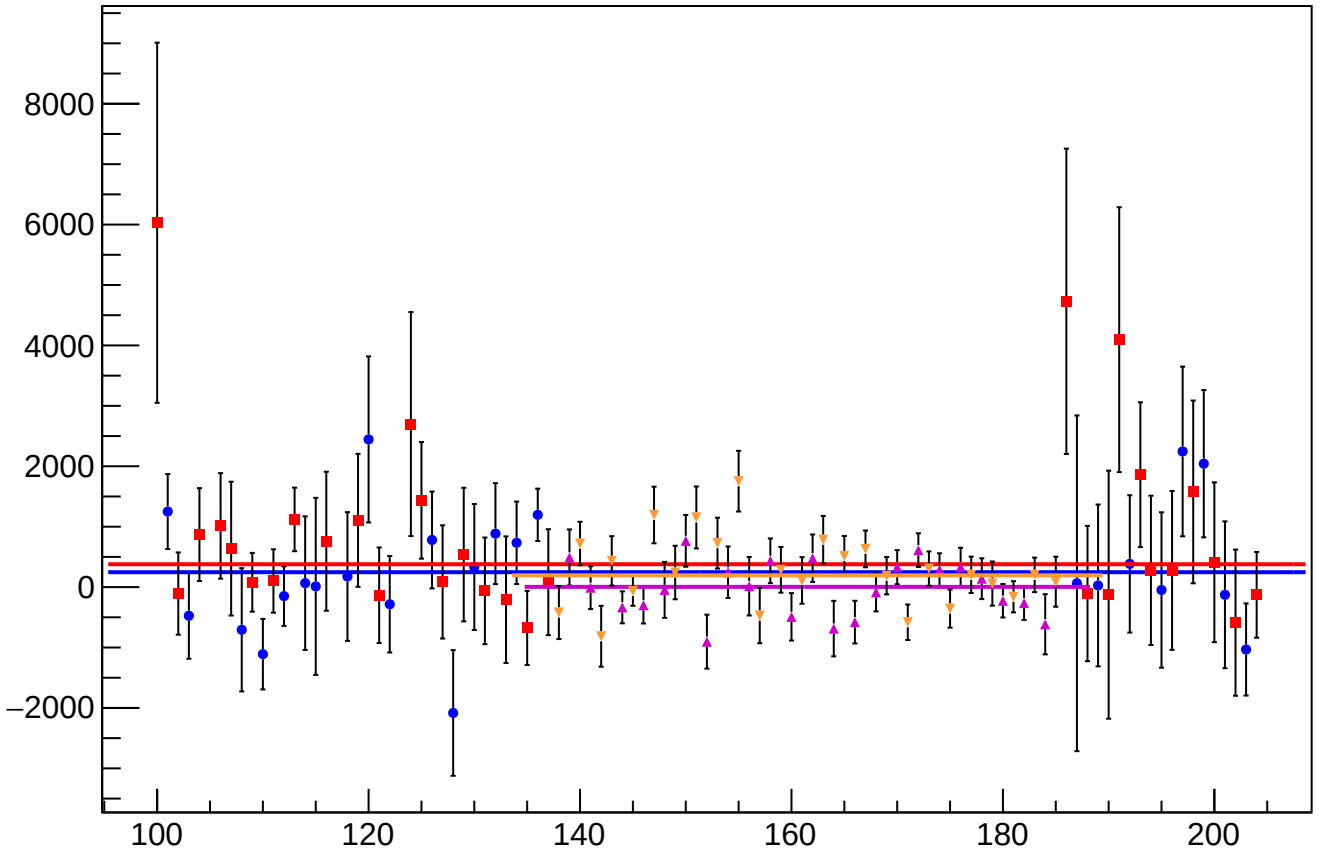
Right Out: 55.403+/-0.011 χ^2/NDF: 4866690.0/29

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 42.819+/-0.006 χ^2/NDF: 4959852.4/48

All: 43.233+/-0.004 χ^2/NDF: 11632963.7/101

- sign 43.659+/-0.006 χ^2/NDF: 6661814.3/52



Right In: 246.578+/-169.527 χ^2/NDF: 32.2/23

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 378.399+/-163.889 χ^2/NDF: 24.6/29

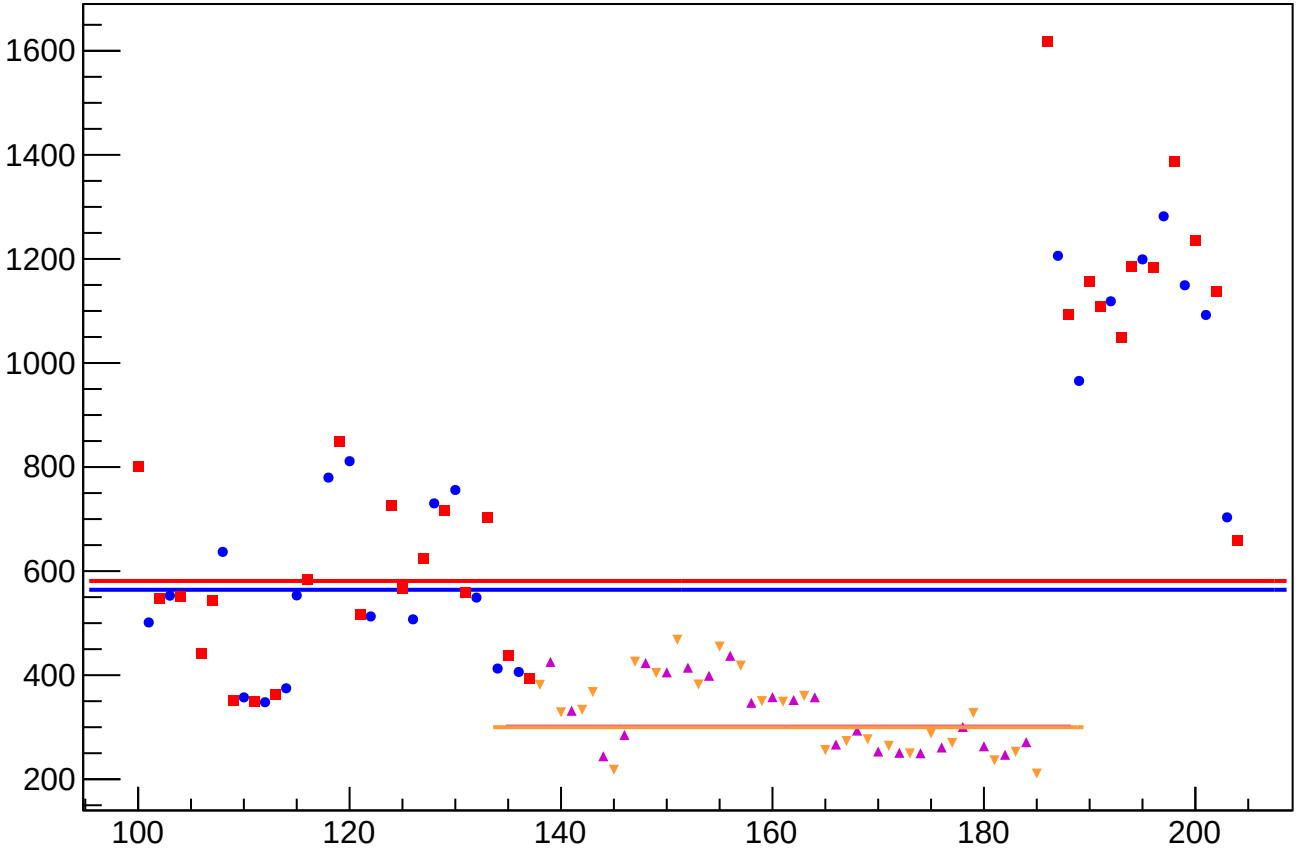
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 202.554+/-64.775 χ^2/NDF: 80.9/48

All: 134.748+/-46.197 χ^2/NDF: 144.5/101

- sign 64.555+/-65.905 χ^2/NDF: 61.4/52

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 564.102+/-0.120 χ^2/NDF: 4052089.1/23

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 581.073+/-0.116 χ^2/NDF: 5397853.8/29

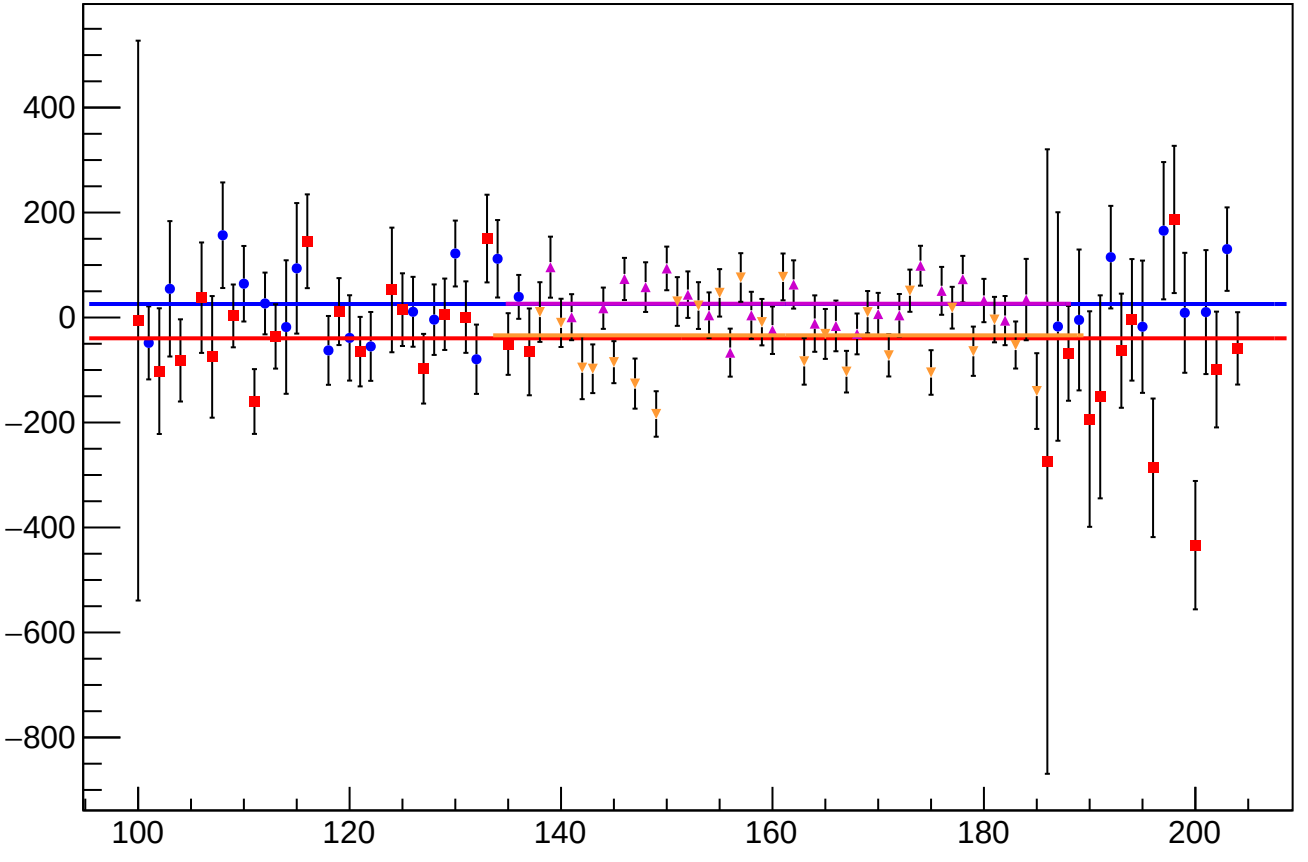
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 338.537+/-0.046 χ^2/NDF: 10006598.2/48

All: 342.346+/-0.033 χ^2/NDF: 21722038.0/10

- sign 346.289+/-0.047 χ^2/NDF: 11701362.8/52

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 25.747+/-16.042 χ^2/NDF: 18.1/23

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -39.609+/-15.562 χ^2/NDF: 36.8/29

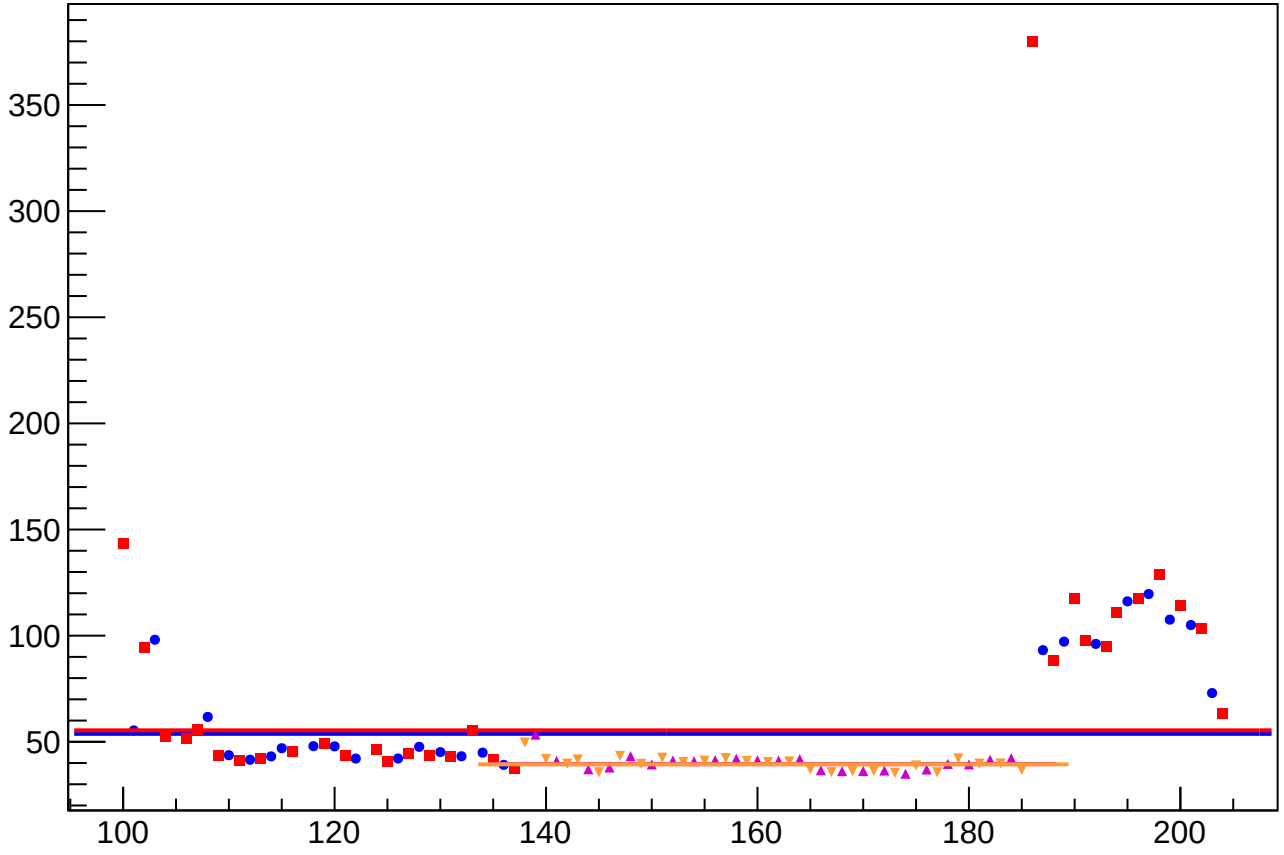
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -19.678+/-7.845 χ^2/NDF: 87.4/48

All: -5.552+/-5.589 χ^2/NDF: 166.5/101

- sign 9.010+/-7.965 χ^2/NDF: 72.5/52

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 53.754+/-0.011 χ^2/NDF: 3509824.0/23

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

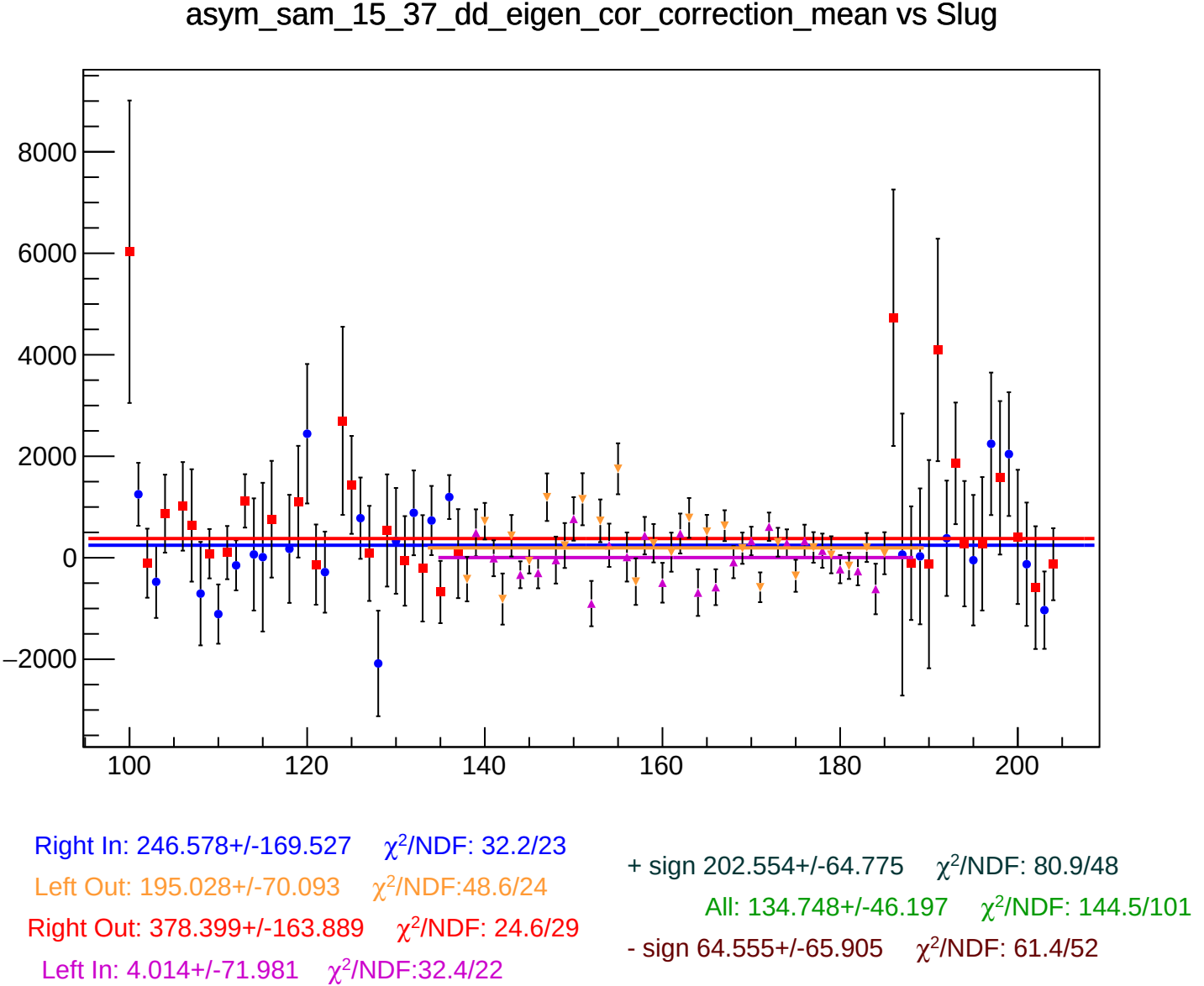
Right Out: 55.403+/-0.011 χ^2/NDF: 4866690.0/29

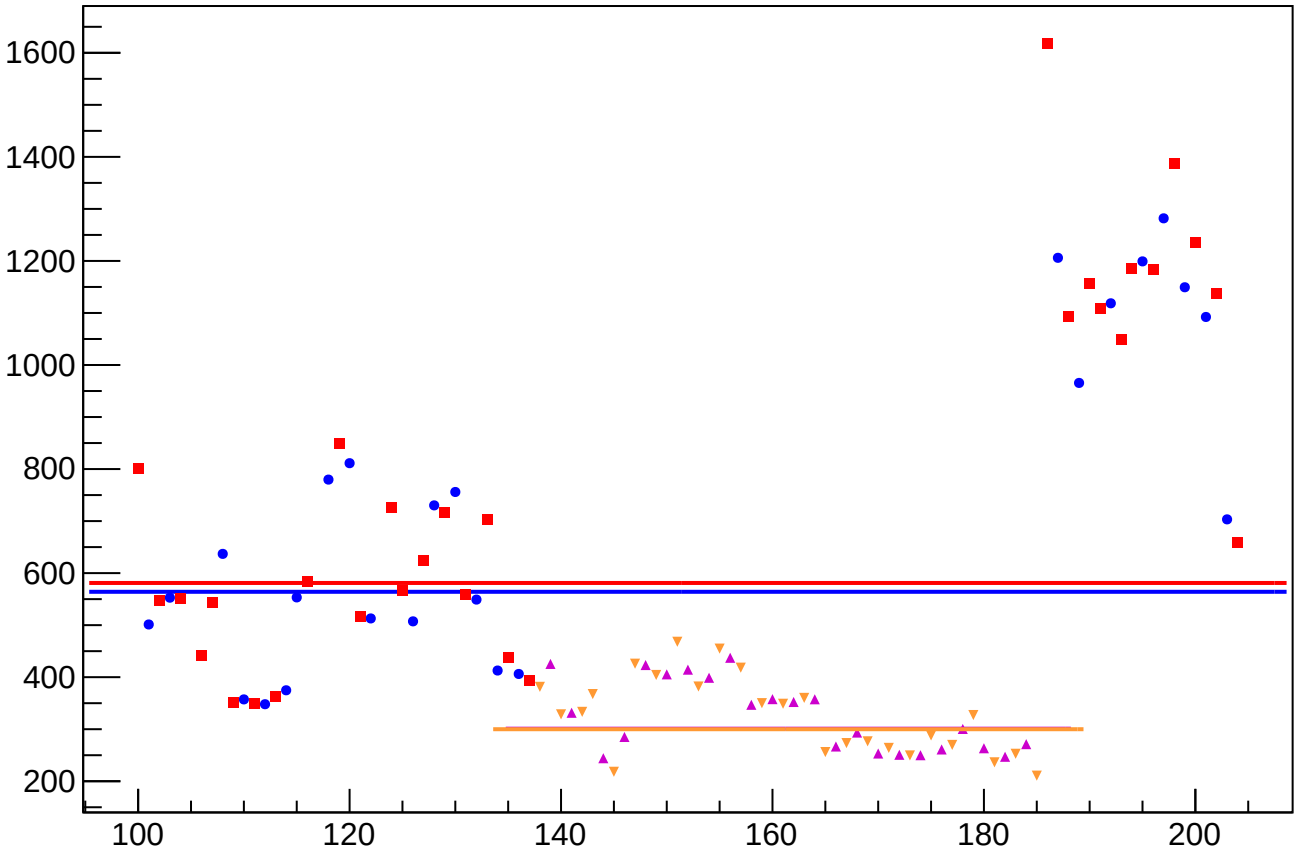
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 42.819+/-0.006 χ^2/NDF: 4959852.4/48

All: 43.233+/-0.004 χ^2/NDF: 11632963.7/101

- sign 43.659+/-0.006 χ^2/NDF: 6661814.3/52


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 246.578+/-169.527 χ²/NDF: 32.2/23
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 378.399+/-163.889 χ²/NDF: 24.6/29
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 202.554+/-64.775 χ²/NDF: 80.9/48
All: 134.748+/-46.197 χ²/NDF: 144.5/101
- sign 64.555+/-65.905 χ²/NDF: 61.4/52



Right In: 564.102+/-0.120 χ^2/NDF: 4052089.1/23

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 581.073+/-0.116 χ^2/NDF: 5397853.8/29

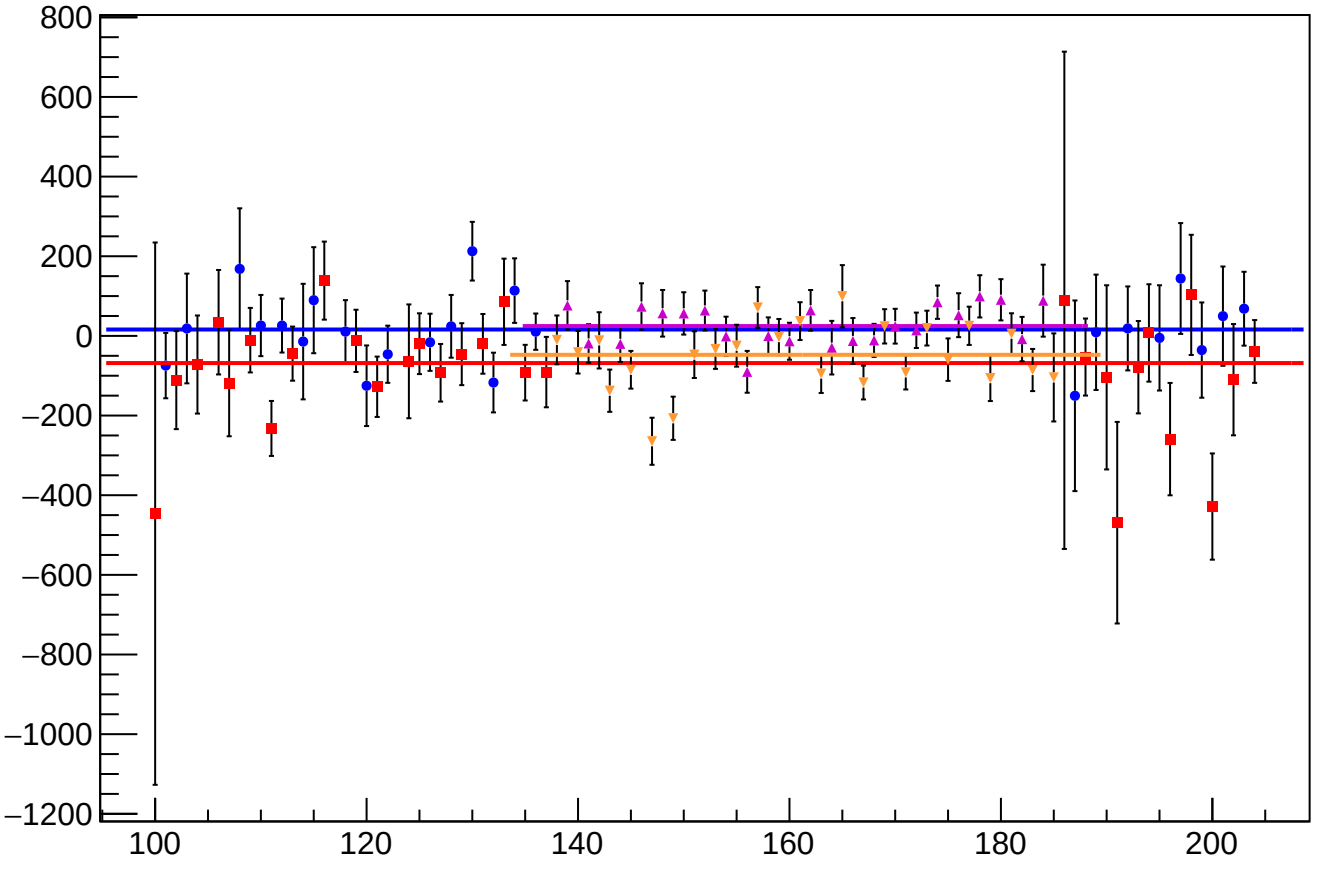
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 338.537+/-0.046 χ^2/NDF: 10006598.2/48

All: 342.346+/-0.033 χ^2/NDF: 21722038.0/10

- sign 346.289+/-0.047 χ^2/NDF: 11701362.8/52

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 16.041+/-18.099 χ^2/NDF: 19.2/23

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -68.172+/-17.989 χ^2/NDF: 29.9/29

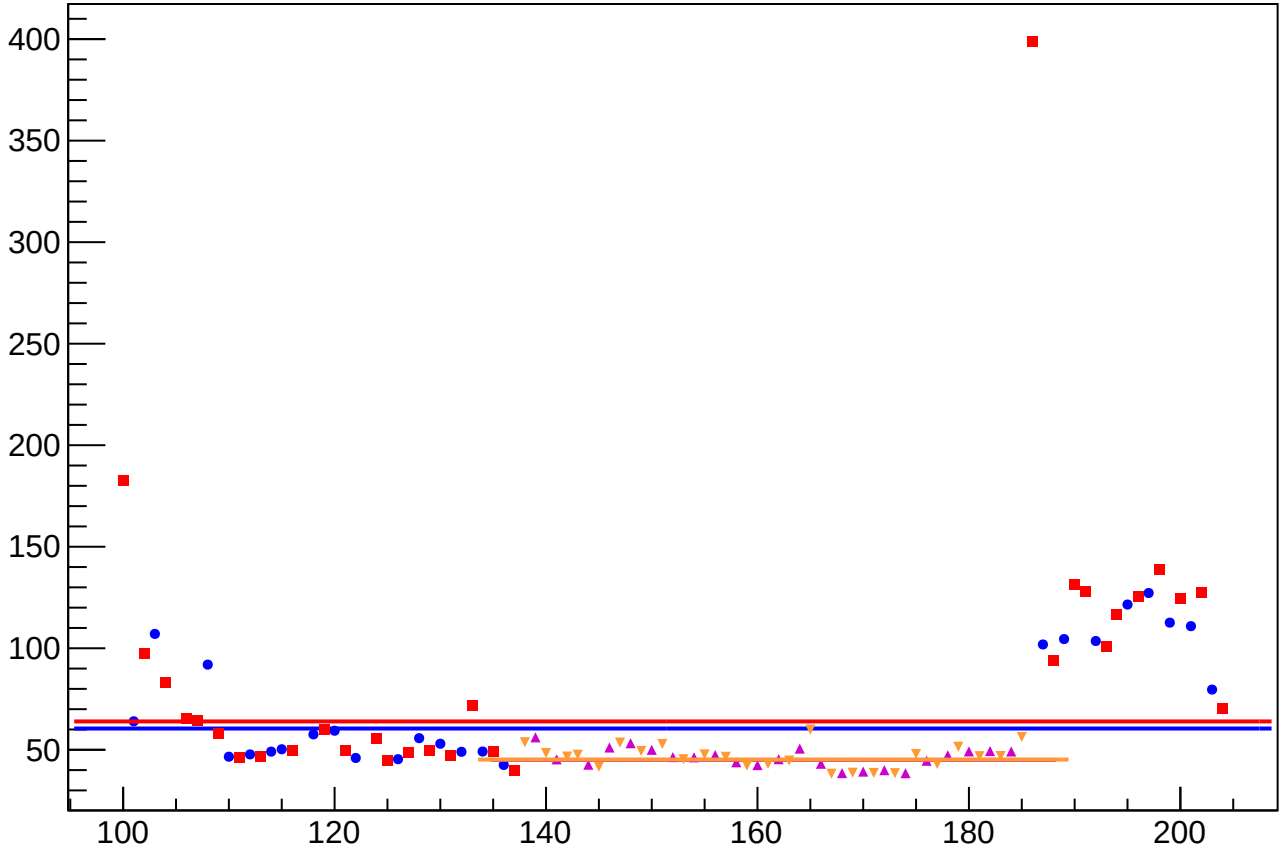
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -31.730+/-9.012 χ^2/NDF: 83.1/48

All: -15.869+/-6.428 χ^2/NDF: 158.8/101

- sign 0.554+/-9.171 χ^2/NDF: 69.3/52

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 60.475+/-0.013 χ^2/NDF: 3334669.4/23

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 63.964+/-0.013 χ^2/NDF: 4646805.1/29

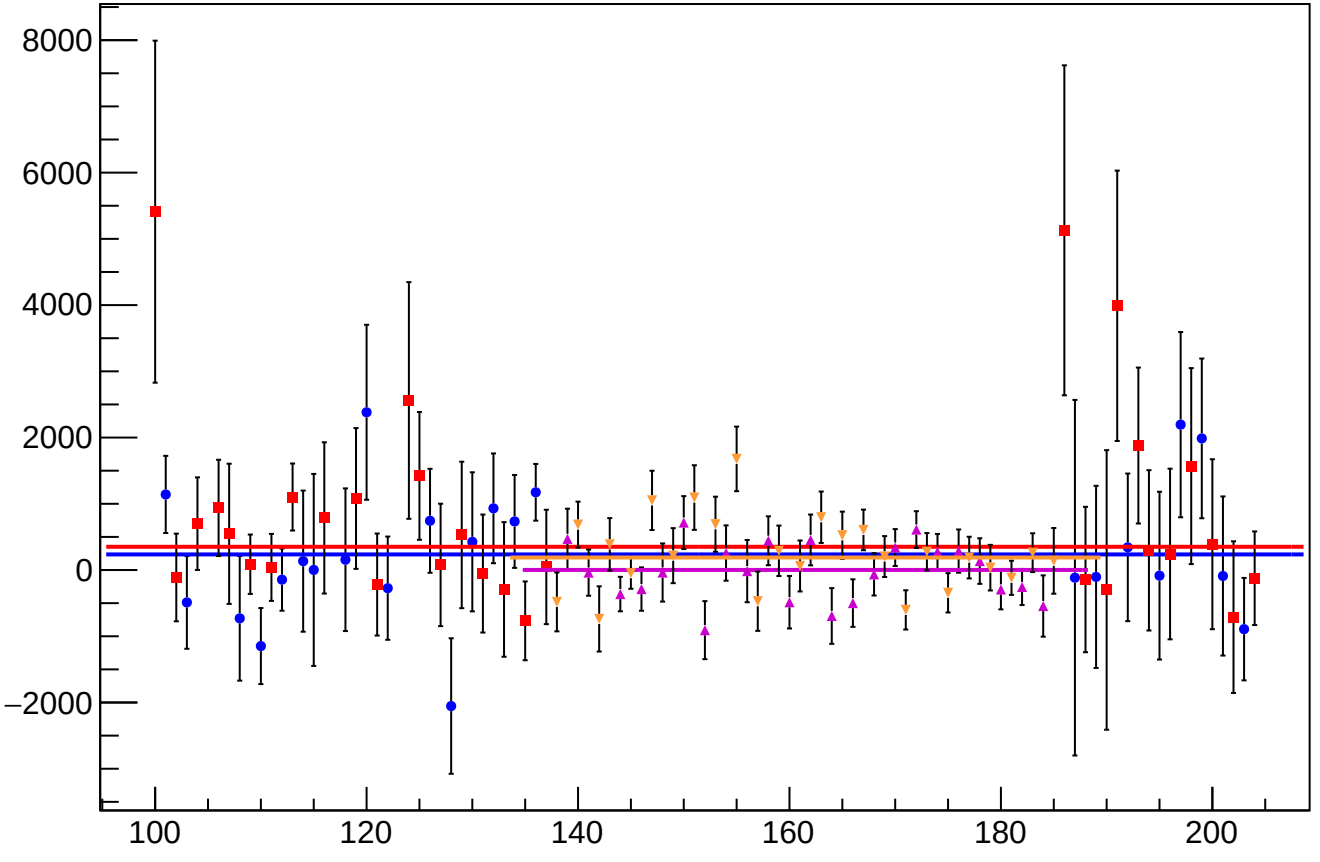
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 48.968+/-0.006 χ^2/NDF: 4899353.4/48

All: 49.446+/-0.005 χ^2/NDF: 11572309.9/101

- sign 49.941+/-0.006 χ^2/NDF: 6661504.5/52

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 235.724+/-166.142 χ^2/NDF: 32.0/23

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 350.962+/-157.208 χ^2/NDF: 27.3/29

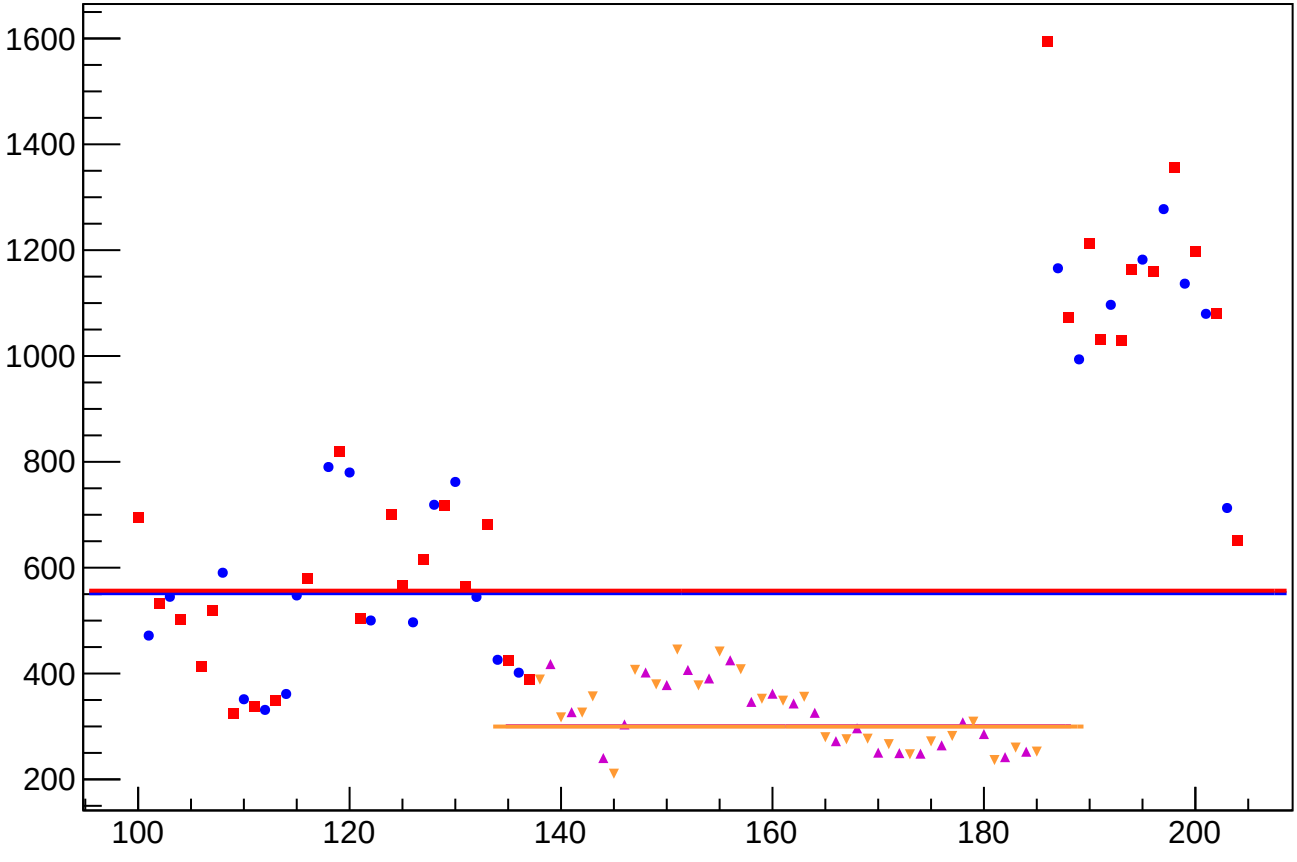
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 195.835+/-64.284 χ^2/NDF: 78.8/48

All: 129.822+/-45.792 χ^2/NDF: 144.6/101

- sign 61.821+/-65.245 χ^2/NDF: 63.7/52

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 551.782+/-0.117 χ^2/NDF: 4178106.5/23

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 556.544+/-0.111 χ^2/NDF: 5639778.5/29

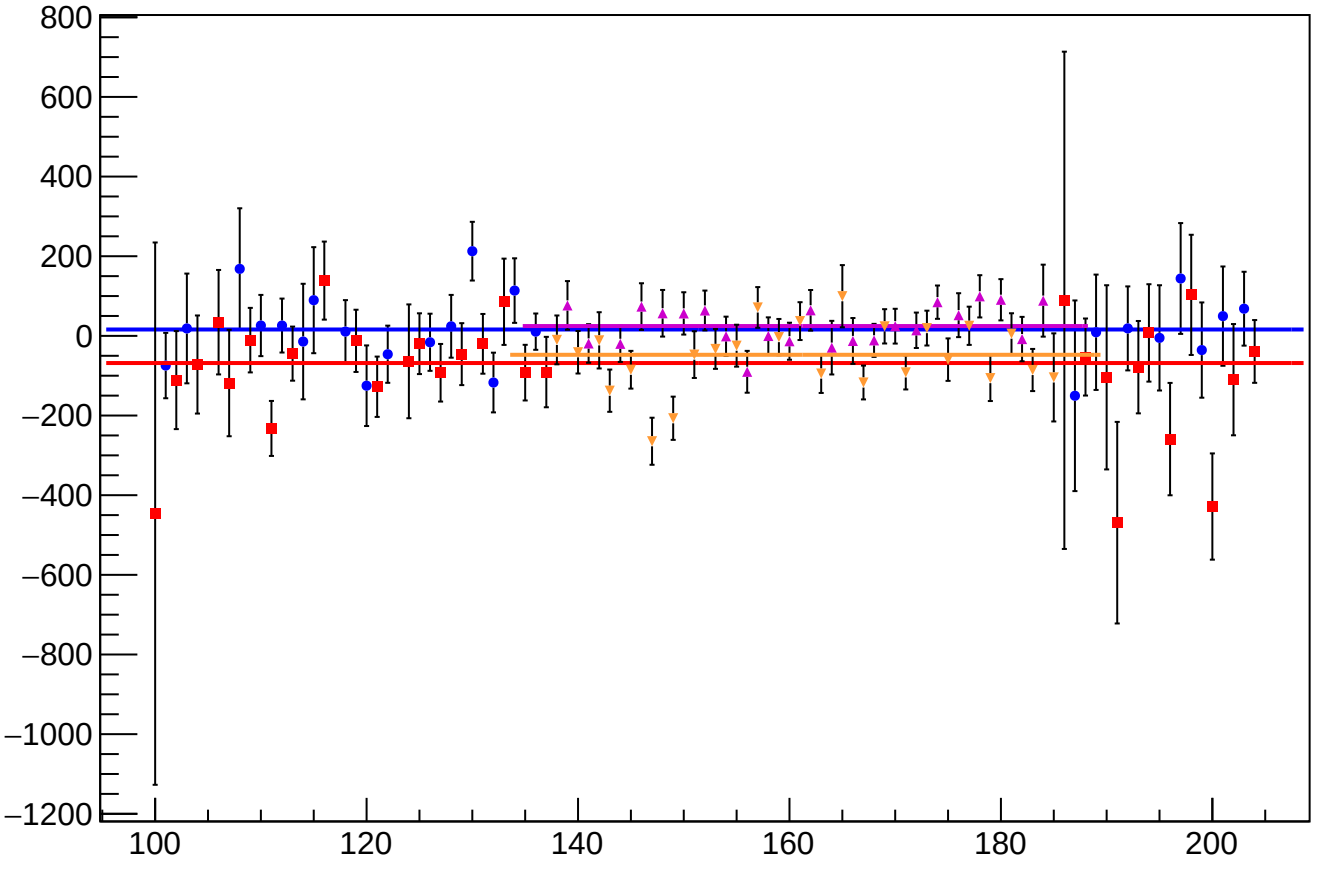
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

\+ sign 337.522+/-0.045 χ^2/NDF: 9667394.6/48

All: 341.027+/-0.032 χ^2/NDF: 20968496.5/10

\- sign 344.638+/-0.046 χ^2/NDF: 11289029.7/52

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 16.041+/-18.099 χ^2/NDF: 19.2/23

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -68.172+/-17.989 χ^2/NDF: 29.9/29

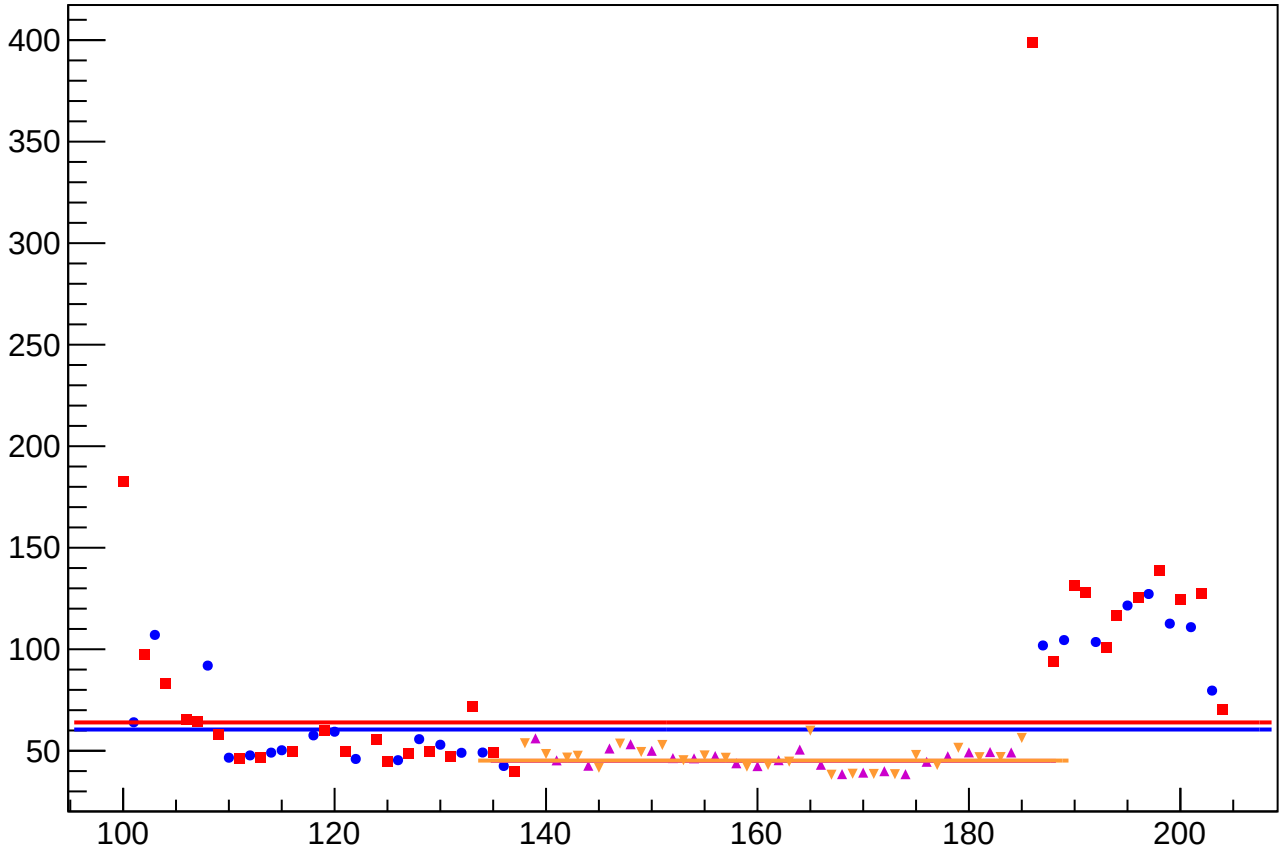
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -31.731+/-9.012 χ^2/NDF: 83.1/48

All: -15.870+/-6.428 χ^2/NDF: 158.8/101

- sign 0.554+/-9.171 χ^2/NDF: 69.3/52

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 60.475+/-0.013 χ^2/NDF: 3334675.0/23

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

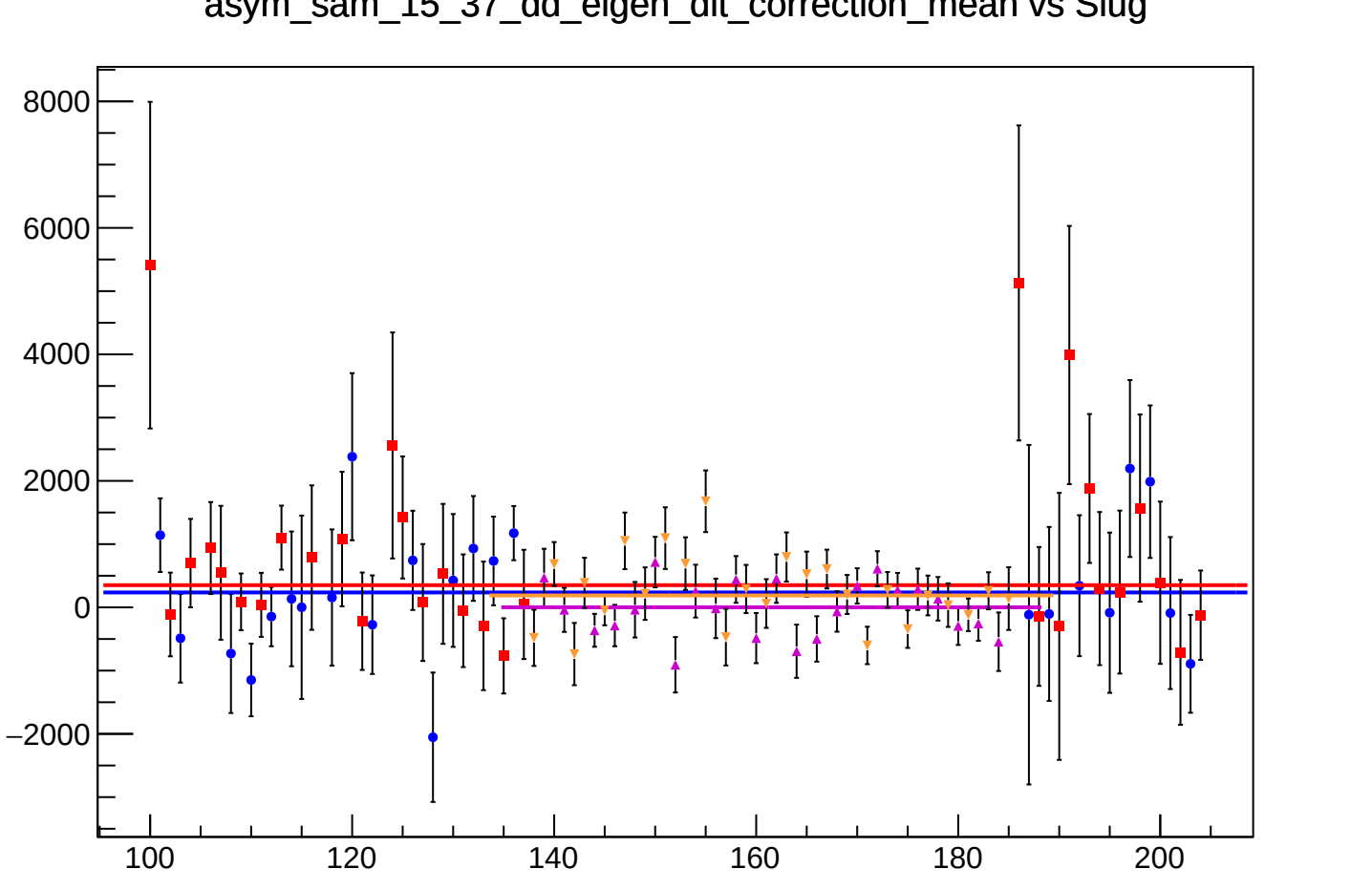
Right Out: 63.964+/-0.013 χ^2/NDF: 4646808.0/29

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 48.968+/-0.006 χ^2/NDF: 4899361.4/48

All: 49.446+/-0.005 χ^2/NDF: 11572323.6/101

- sign 49.941+/-0.006 χ^2/NDF: 6661509.3/52



Right In: 235.723+/-166.142 χ^2/NDF: 32.0/23

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

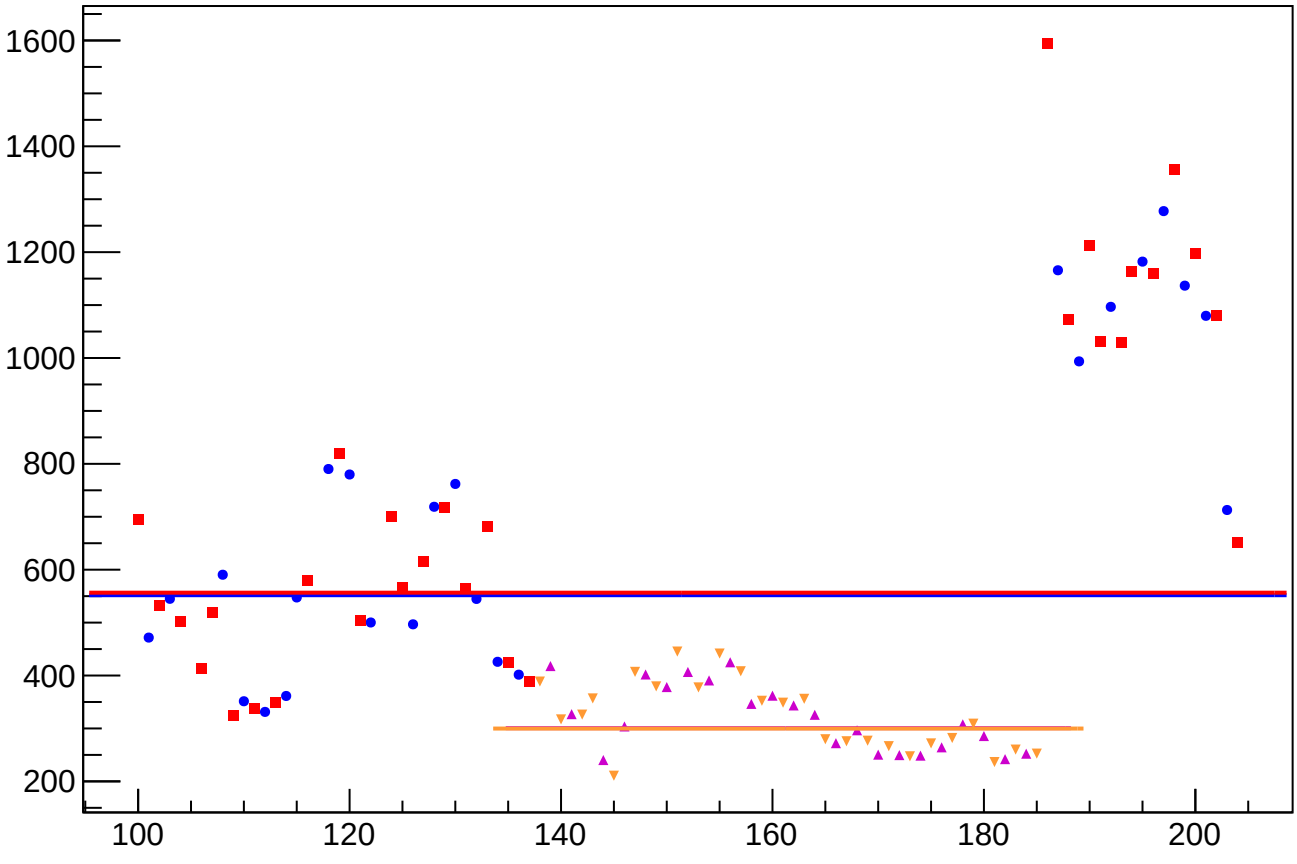
Right Out: 350.962+/-157.208 χ^2/NDF: 27.3/29

Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 195.835+/-64.284 χ^2/NDF: 78.8/48

All: 129.822+/-45.792 χ^2/NDF: 144.6/101

- sign 61.820+/-65.245 χ^2/NDF: 63.7/52



Right In: 551.781+/-0.117 χ^2/NDF: 4178116.5/23

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 556.543+/-0.111 χ^2/NDF: 5639785.6/29

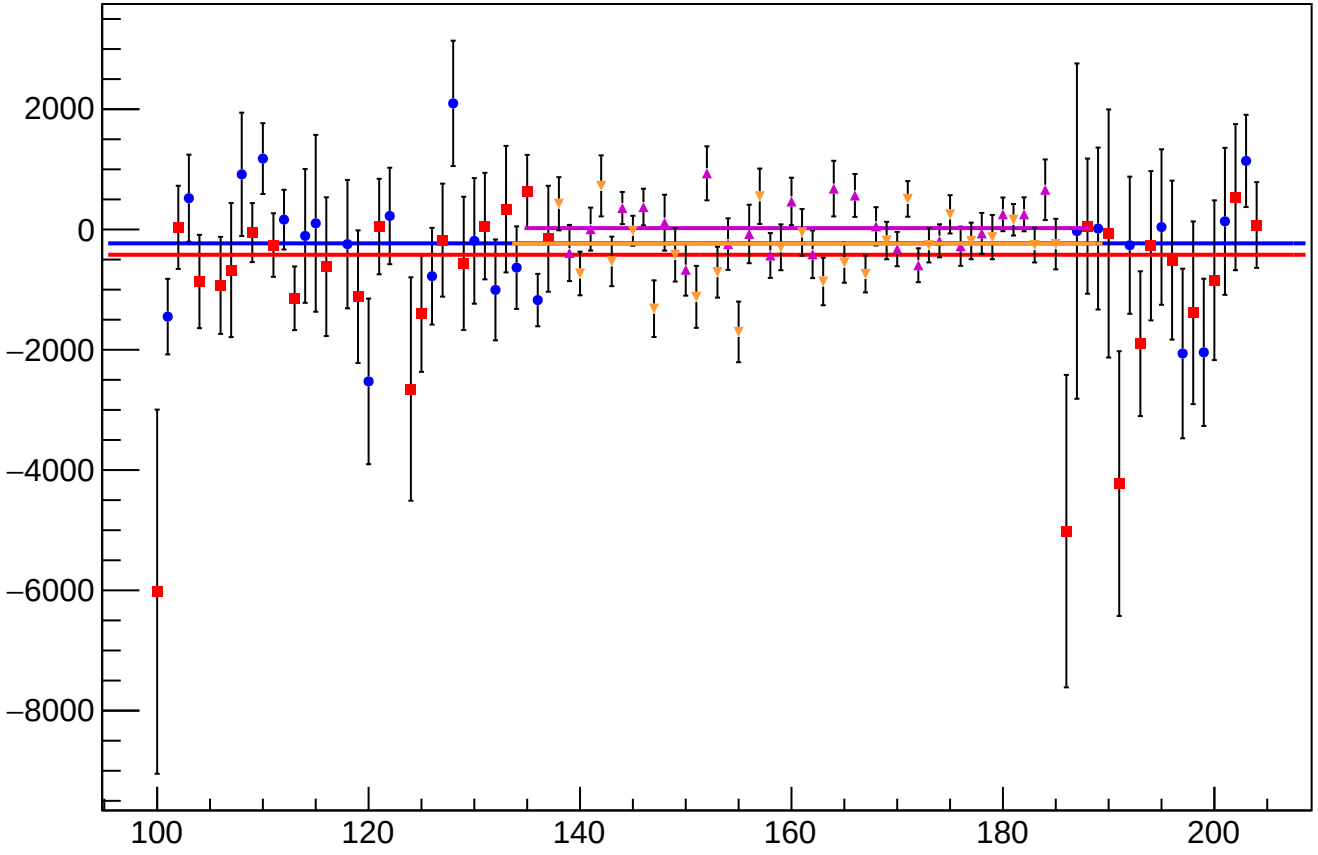
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 337.522+/-0.045 χ^2/NDF: 9667379.8/48

All: 341.028+/-0.032 χ^2/NDF: 20968449.1/10

- sign 344.639+/-0.046 χ^2/NDF: 11288996.4/52

asym_sam_15_37_dd_mean vs Slug



Right In: -230.744+/-170.624 χ^2/NDF: 34.2/23

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -420.274+/-164.382 χ^2/NDF: 23.7/29

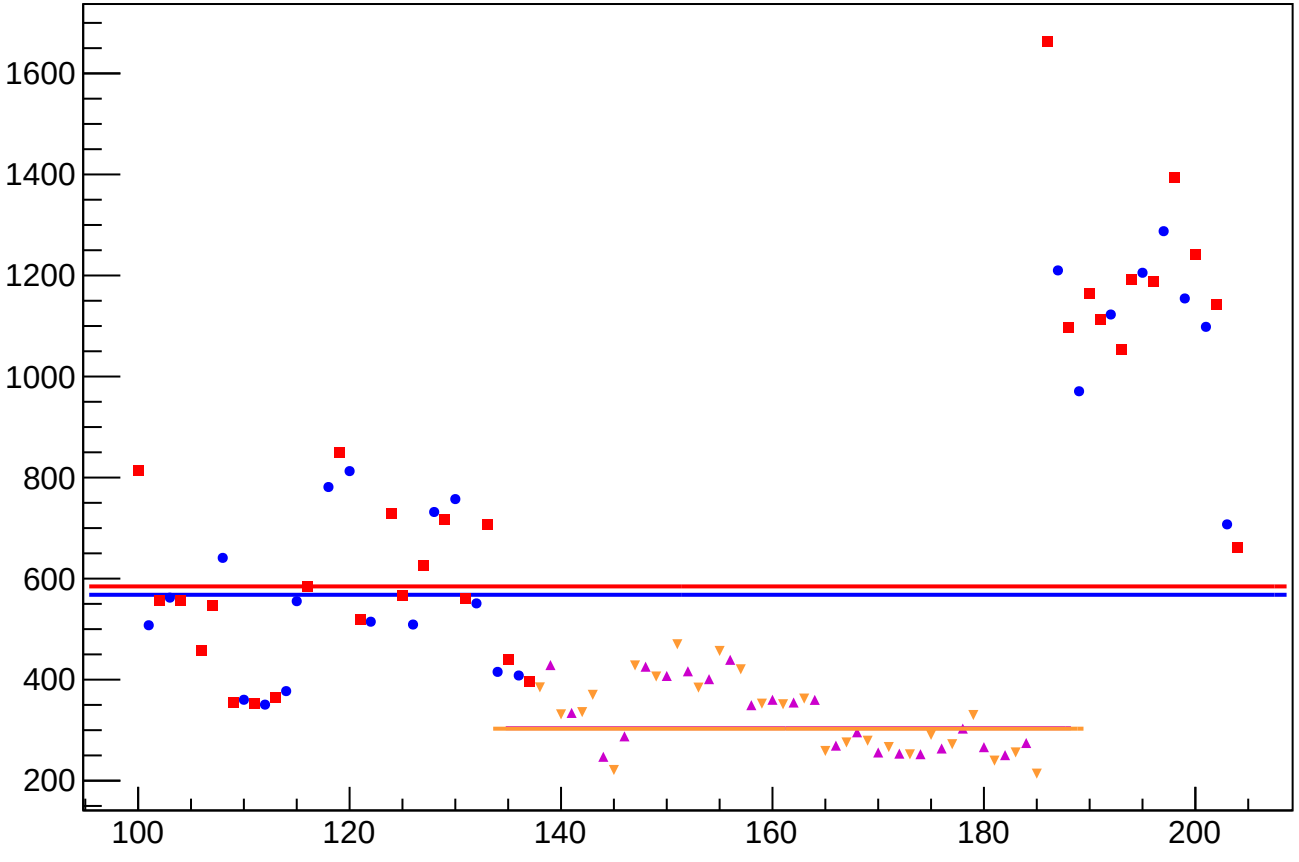
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -234.519+/-65.347 χ^2/NDF: 81.7/48

All: -143.649+/-46.590 χ^2/NDF: 145.2/101

- sign -49.704+/-66.444 χ^2/NDF: 59.7/52

asym_sam_15_37_dd_rms vs Slug



Right In: 567.977+/-0.121 χ^2/NDF: 4034167.2/23

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

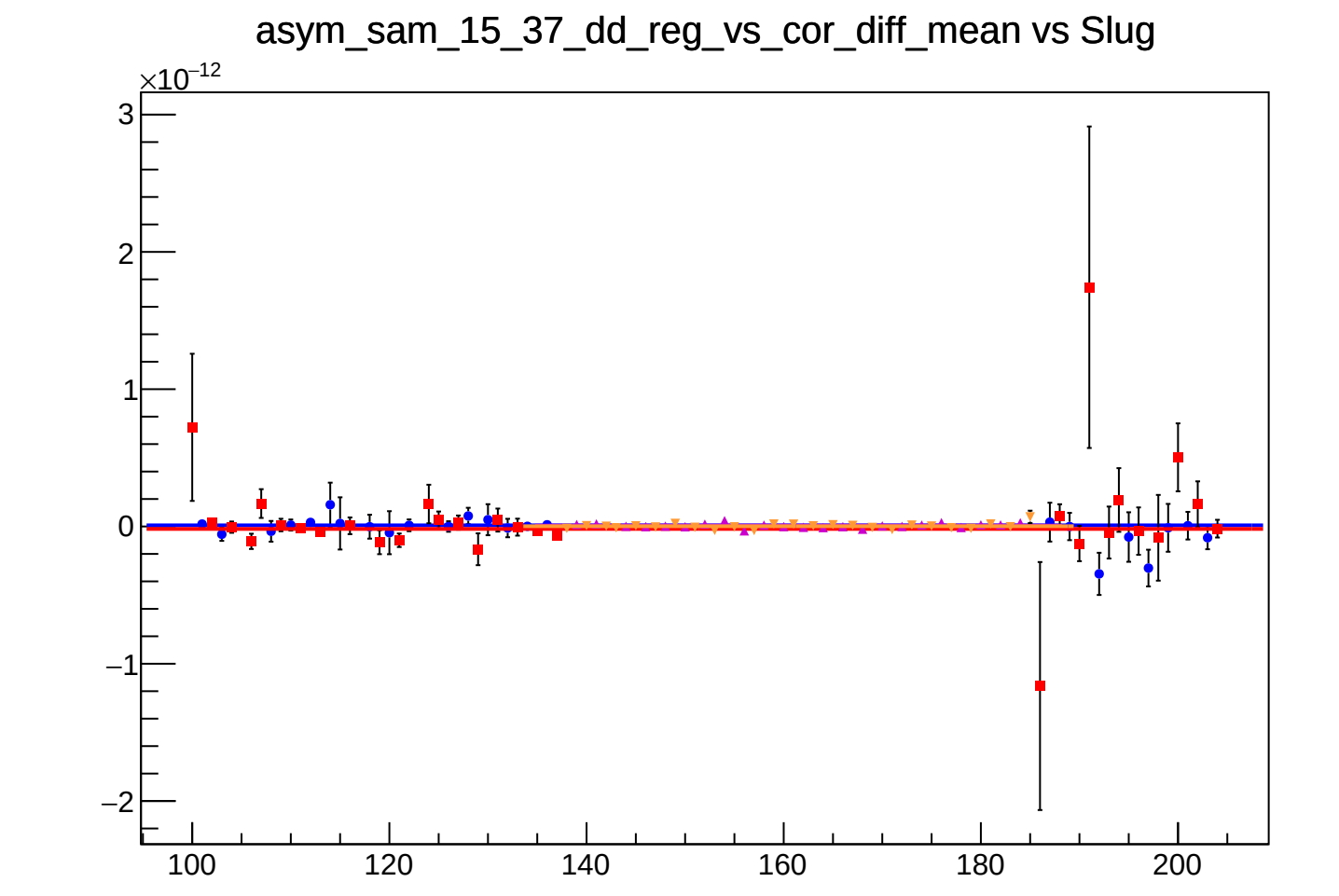
Right Out: 584.558+/-0.116 χ^2/NDF: 5380214.1/29

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 341.819+/-0.046 χ^2/NDF: 9918008.9/48

All: 345.730+/-0.033 χ^2/NDF: 21565855.0/10

- sign 349.773+/-0.047 χ^2/NDF: 11633277.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/29

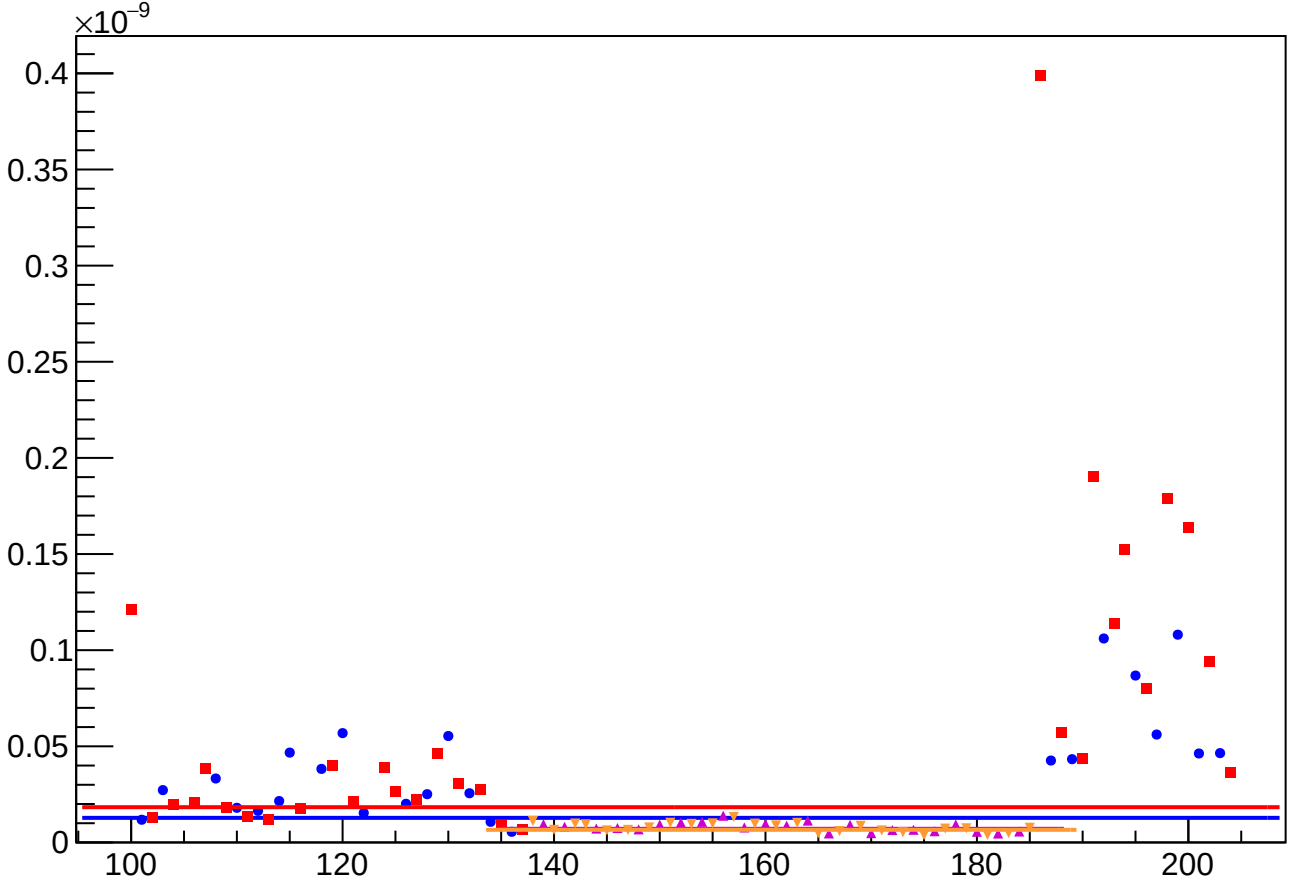
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.2/48

All: 0.000+/-0.000 χ^2/NDF: 101.2/101

- sign 0.000+/-0.000 χ^2/NDF: 59.7/52

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4883036.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

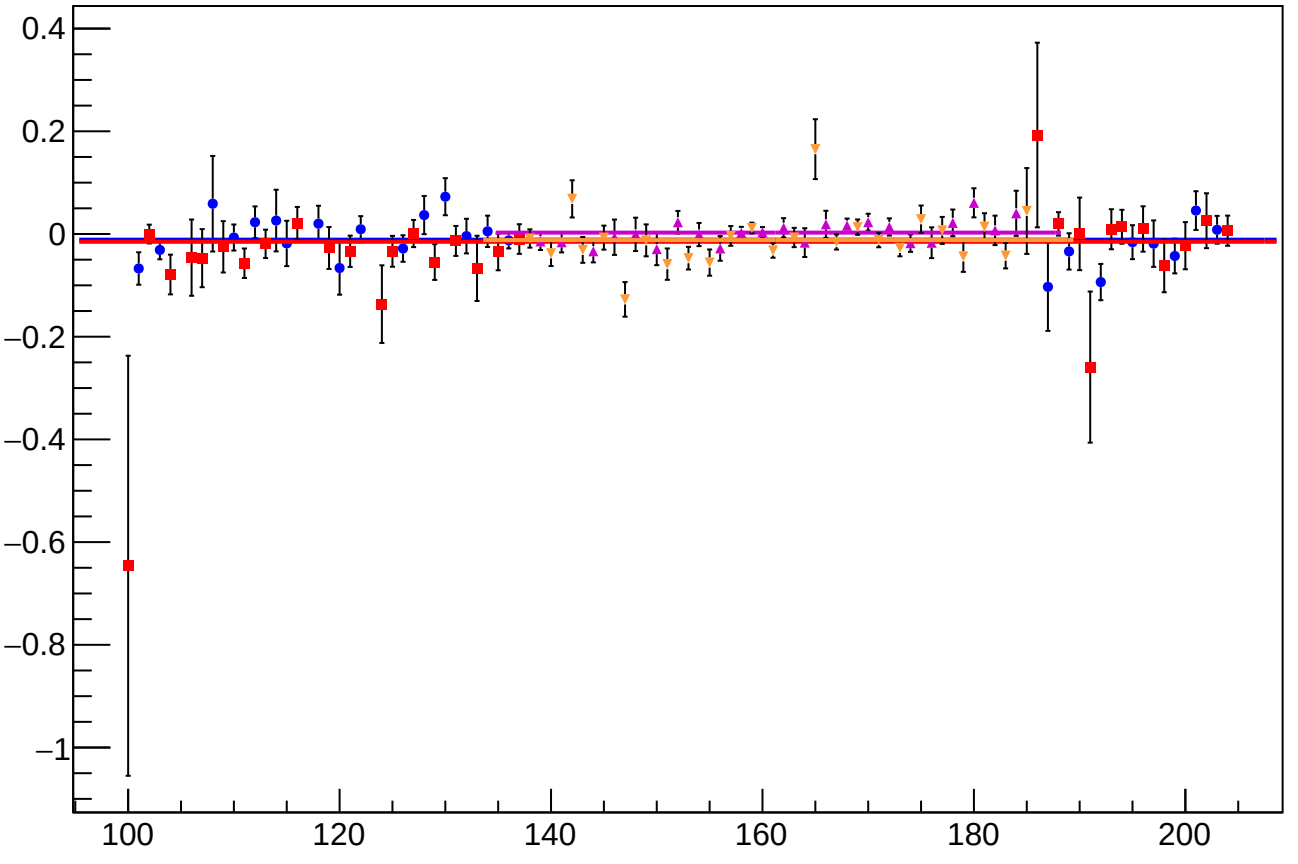
Right Out: 0.000+/-0.000 χ^2/NDF: 5450405.7/29

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7488493.1/48

All: 0.000+/-0.000 χ^2/NDF: 16359518.4/101

- sign 0.000+/-0.000 χ^2/NDF: 8790693.8/52



Right In: -0.011+/-0.006 χ^2/NDF: 27.7/23

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.015+/-0.007 χ^2/NDF: 25.8/29

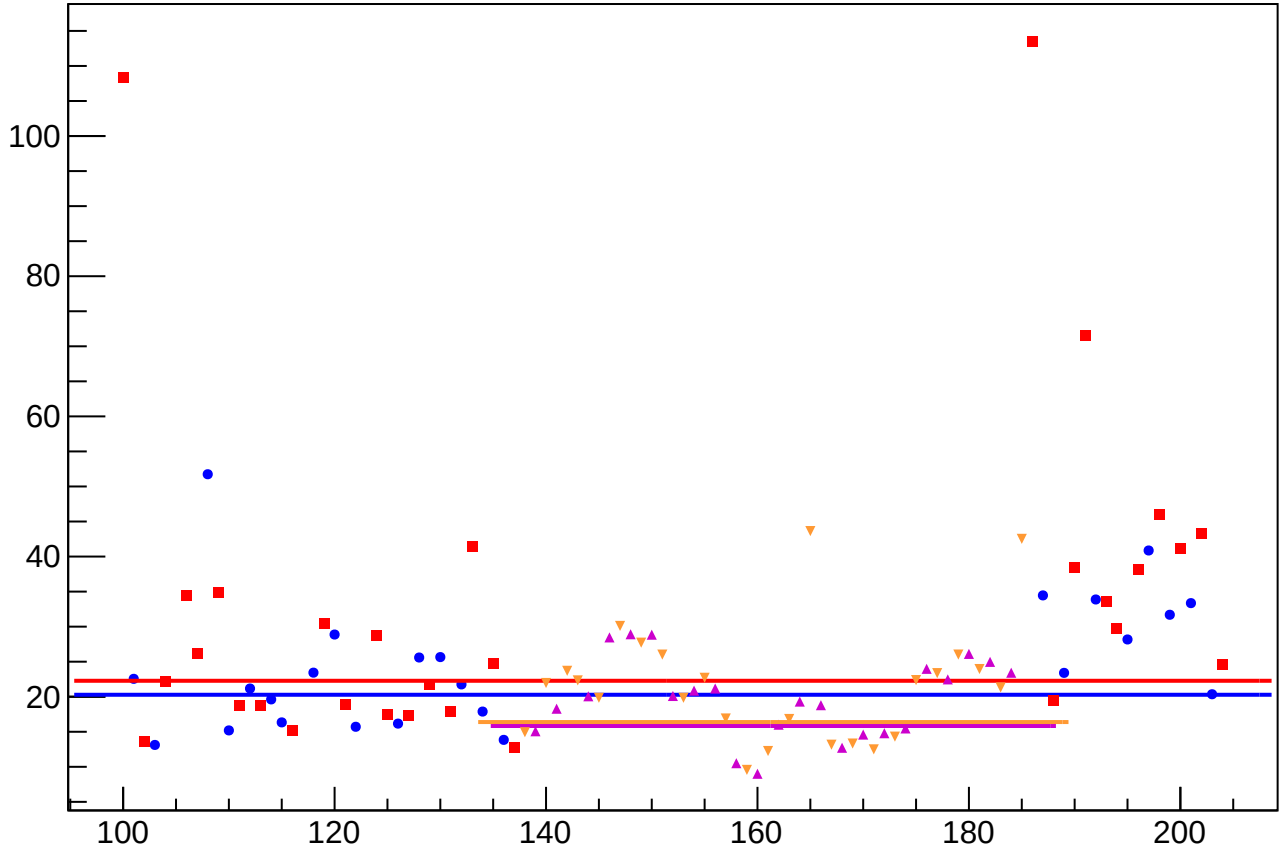
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 81.1/48

All: -0.007+/-0.002 χ^2/NDF: 135.8/101

- sign -0.002+/-0.003 χ^2/NDF: 51.0/52

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.280+/-0.004 χ^2/NDF: 2634992.6/23

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

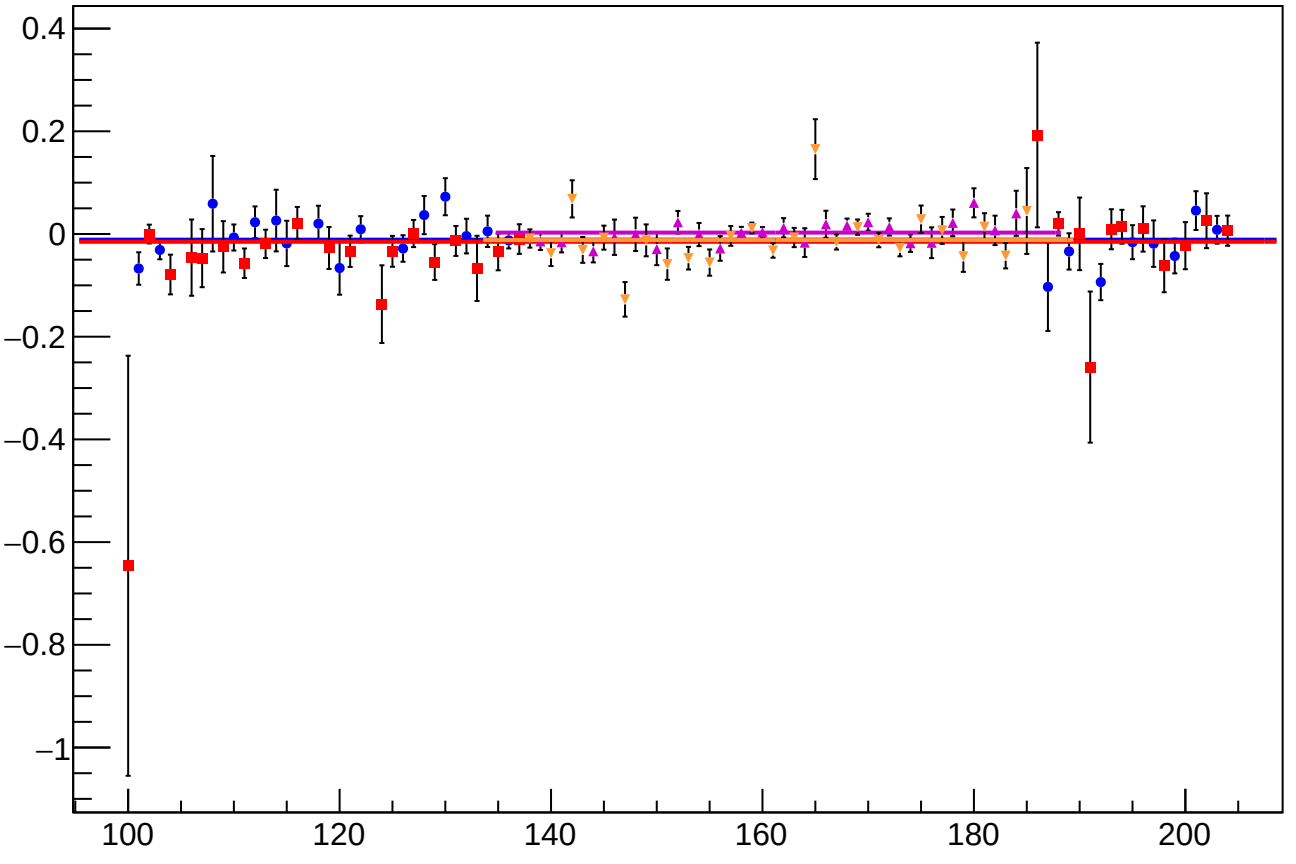
Right Out: 22.276+/-0.005 χ^2/NDF: 4082456.0/29

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 17.538+/-0.002 χ^2/NDF: 7206635.2/48

All: 17.570+/-0.002 χ^2/NDF: 16350962.1/101

- sign 17.603+/-0.002 χ^2/NDF: 9143959.4/52



Right In: -0.011+/-0.006 χ^2/NDF: 27.7/23

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

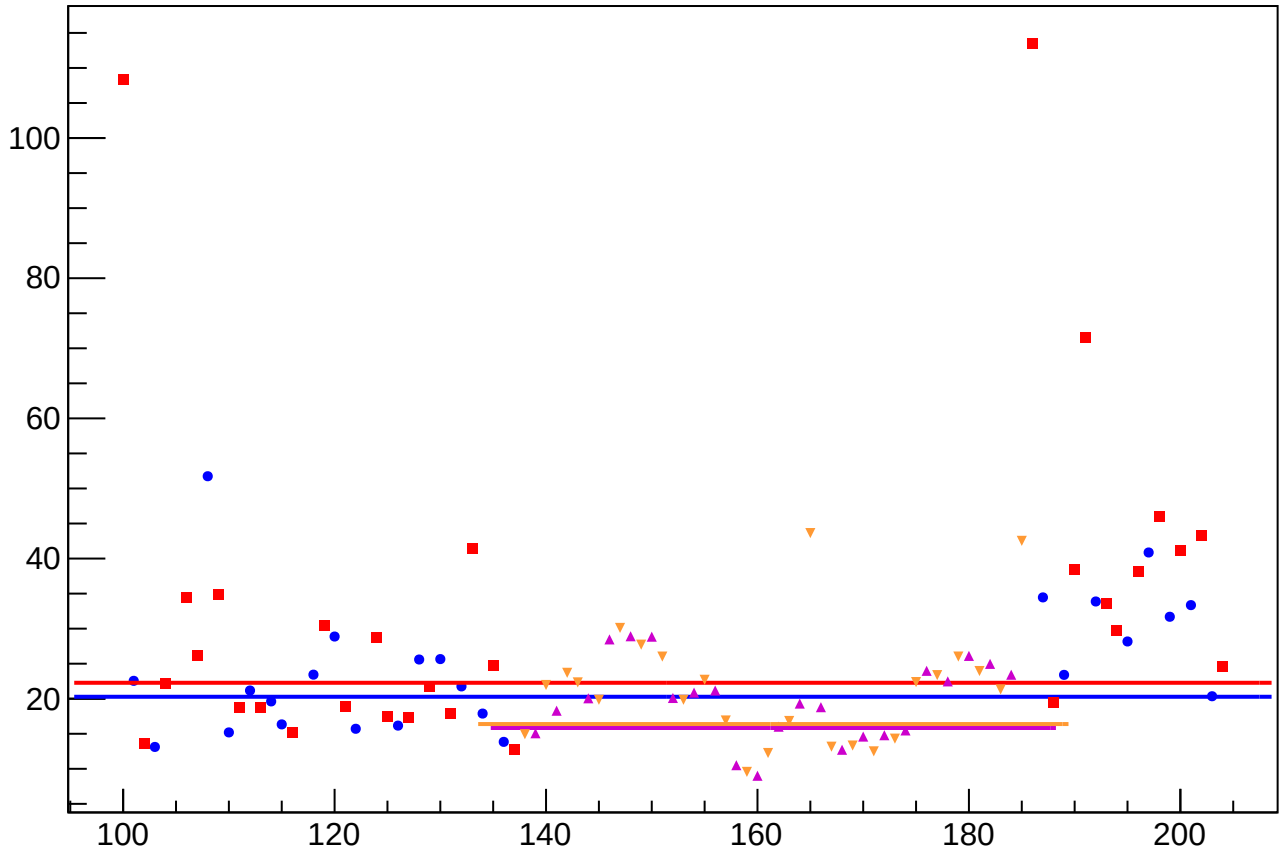
Right Out: -0.015+/-0.007 χ^2/NDF: 25.8/29

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 81.1/48

All: -0.007+/-0.002 χ^2/NDF: 135.8/101

- sign -0.002+/-0.003 χ^2/NDF: 51.0/52



Right In: 20.280+/-0.004 χ^2/NDF: 2634992.6/23

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

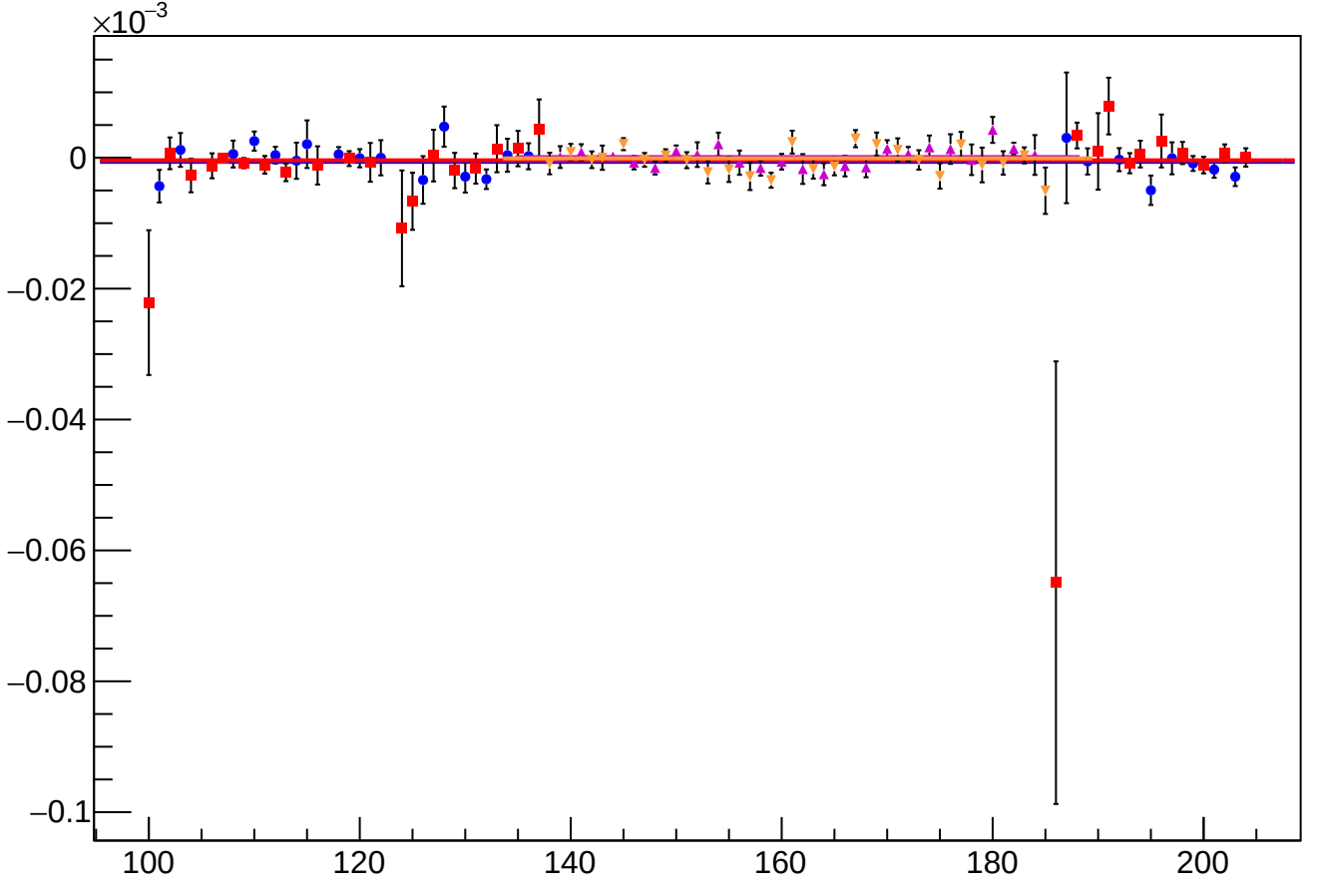
Right Out: 22.276+/-0.005 χ^2/NDF: 4082456.0/29

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 17.538+/-0.002 χ^2/NDF: 7206635.2/48

All: 17.570+/-0.002 χ^2/NDF: 16350962.1/101

- sign 17.603+/-0.002 χ^2/NDF: 9143959.4/52



Right In: -0.000+/-0.000 χ^2/NDF: 25.6/23

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/29

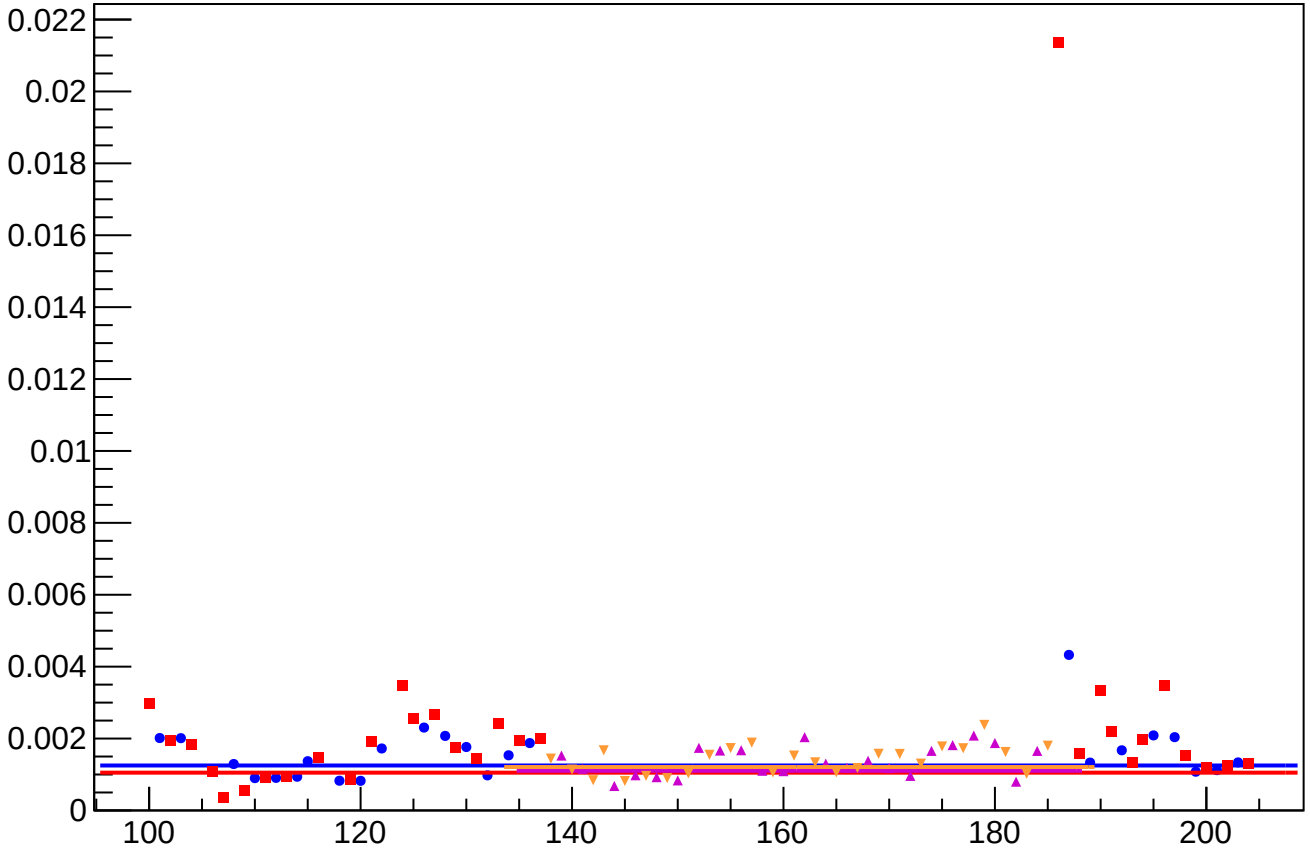
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.0/48

All: -0.000+/-0.000 χ^2/NDF: 113.7/101

- sign -0.000+/-0.000 χ^2/NDF: 50.3/52

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2739900.3/23

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

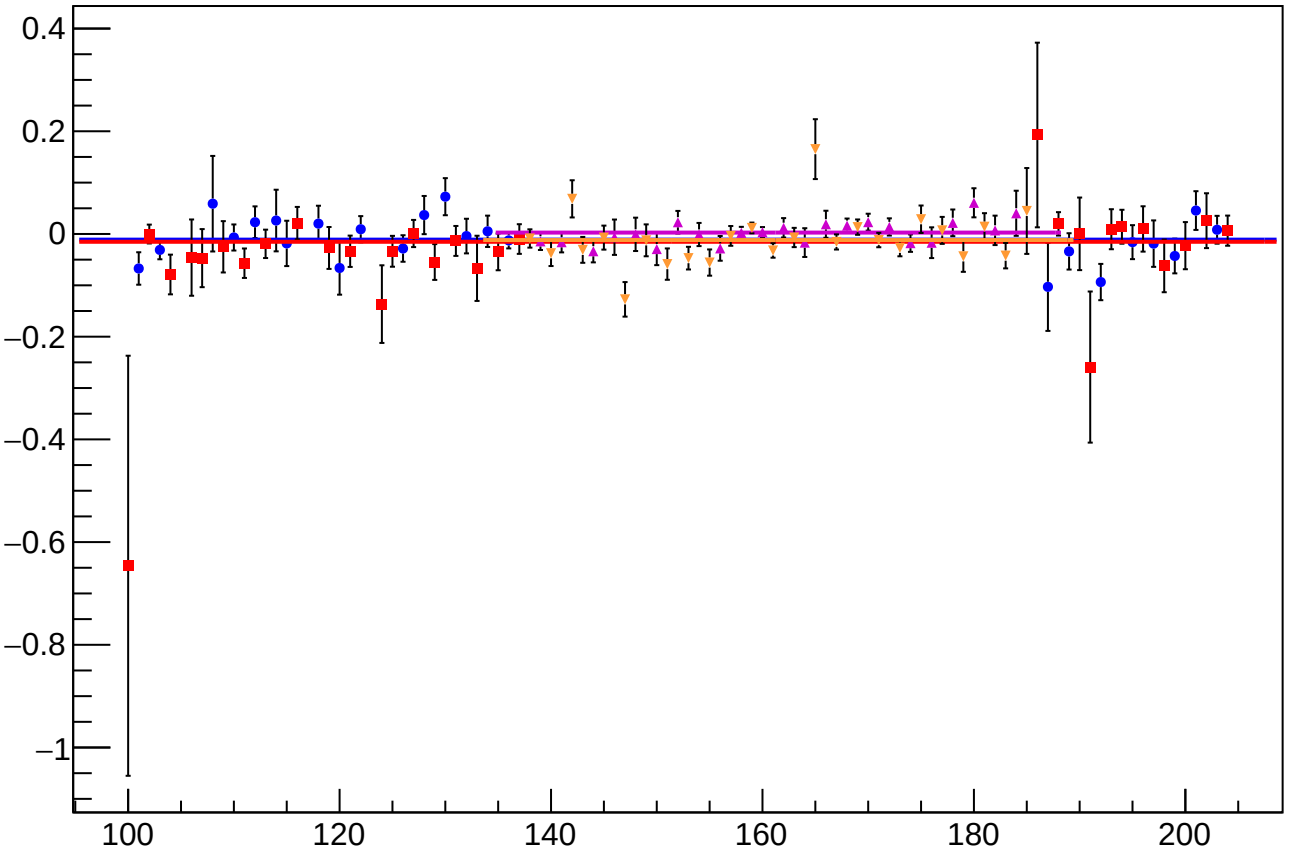
Right Out: 0.001+/-0.000 χ^2/NDF: 7675223.4/29

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 5477647.0/48

All: 0.001+/-0.000 χ^2/NDF: 17109795.2/101

- sign 0.001+/-0.000 χ^2/NDF: 11202054.1/52



Right In: -0.011+/-0.006 χ^2/NDF: 27.7/23

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.015+/-0.007 χ^2/NDF: 25.8/29

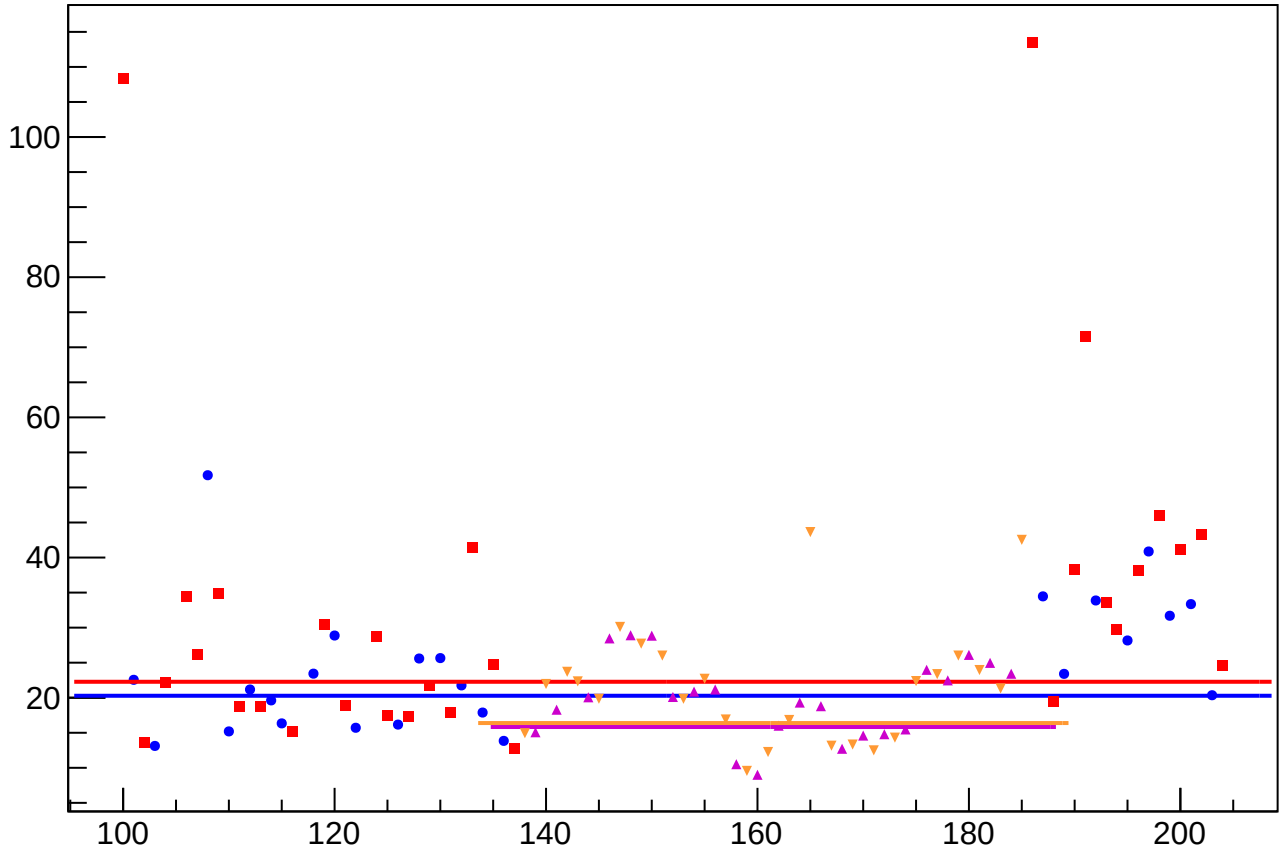
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 81.1/48

All: -0.007+/-0.002 χ^2/NDF: 135.8/101

- sign -0.002+/-0.003 χ^2/NDF: 50.9/52

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.280+/-0.004 χ^2/NDF: 2635005.5/23

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

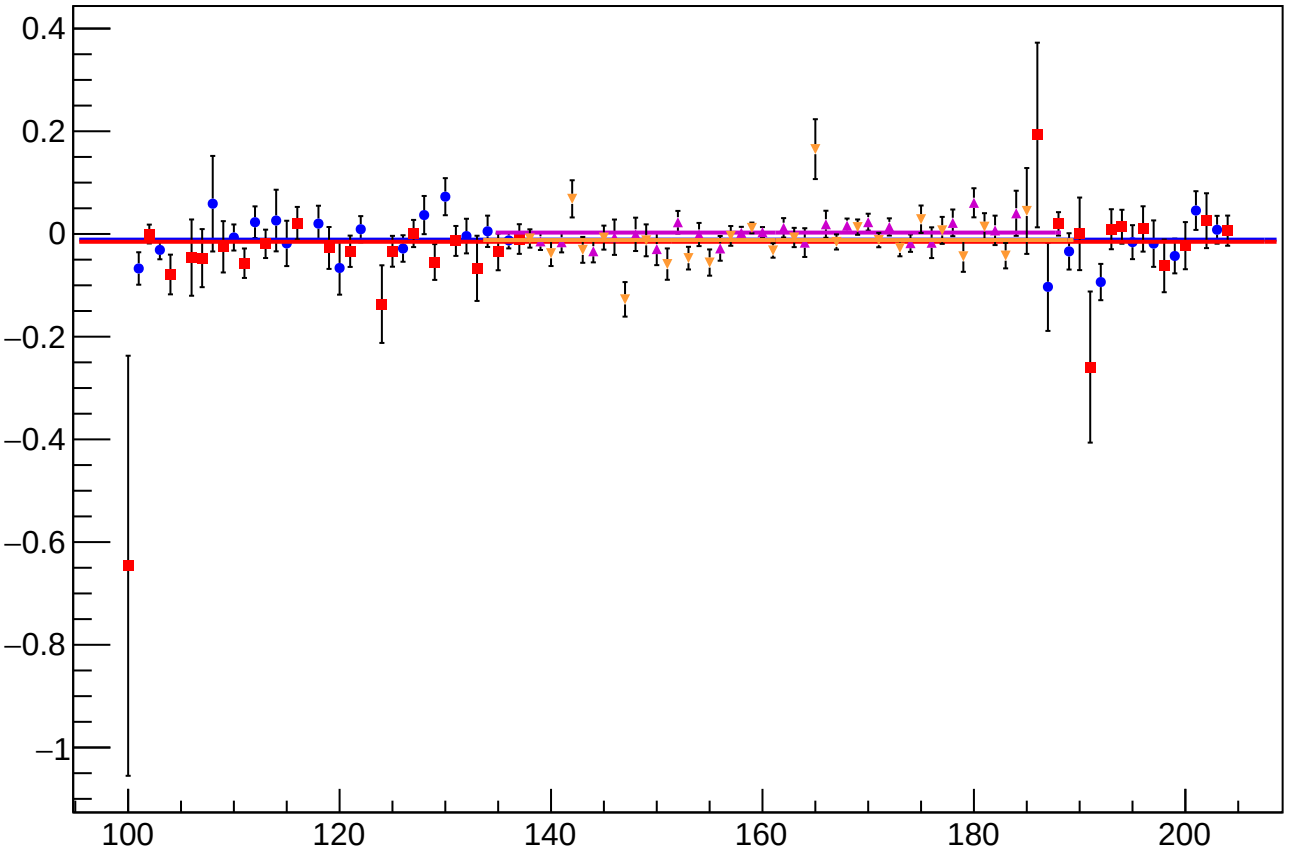
Right Out: 22.276+/-0.005 χ^2/NDF: 4082183.6/29

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

\+ sign 17.538+/-0.002 χ^2/NDF: 7206968.6/48

All: 17.570+/-0.002 χ^2/NDF: 16351694.2/101

\- sign 17.603+/-0.002 χ^2/NDF: 9144357.8/52



Right In: -0.011+/-0.006 χ^2/NDF: 27.7/23

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

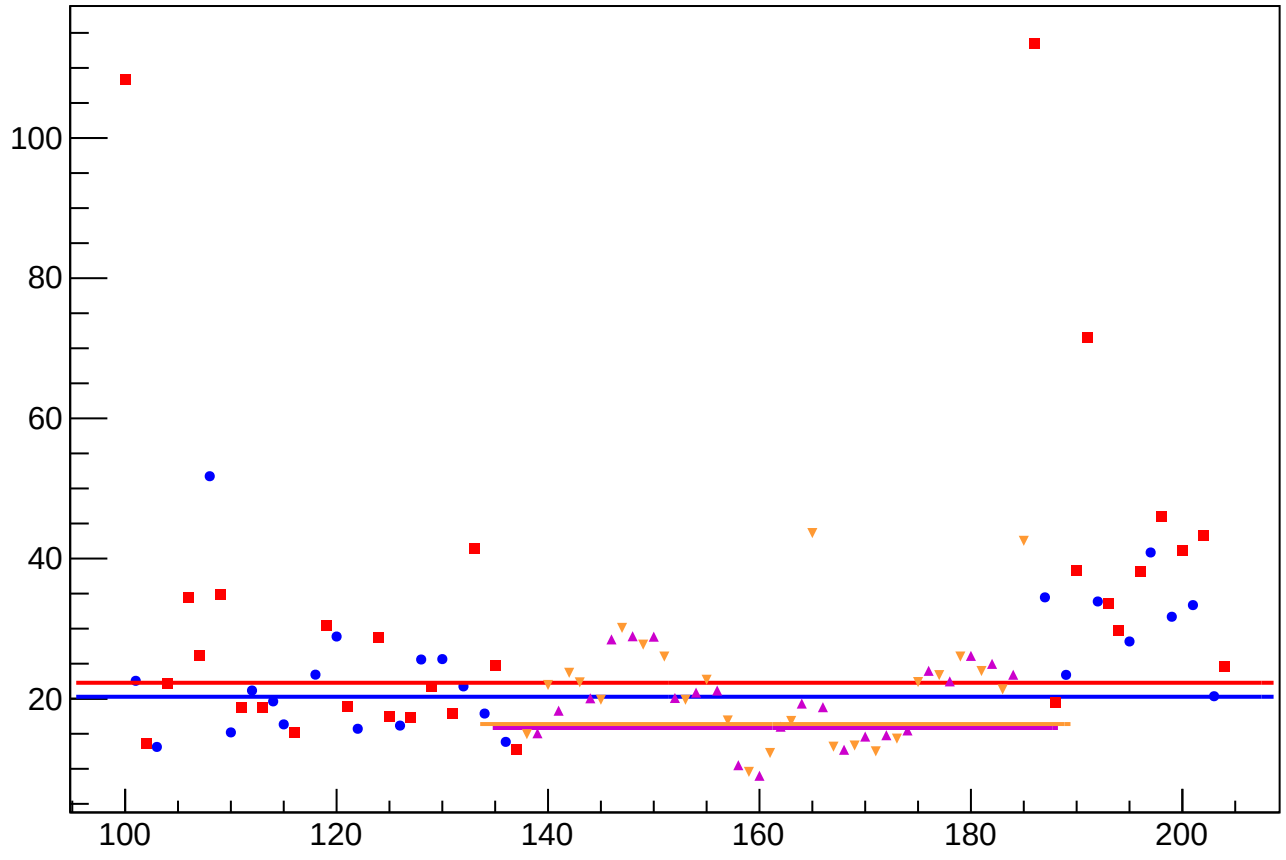
Right Out: -0.015+/-0.007 χ^2/NDF: 25.8/29

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 81.1/48

All: -0.007+/-0.002 χ^2/NDF: 135.8/101

- sign -0.002+/-0.003 χ^2/NDF: 50.9/52



Right In: 20.280+/-0.004 χ^2/NDF: 2635005.5/23

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

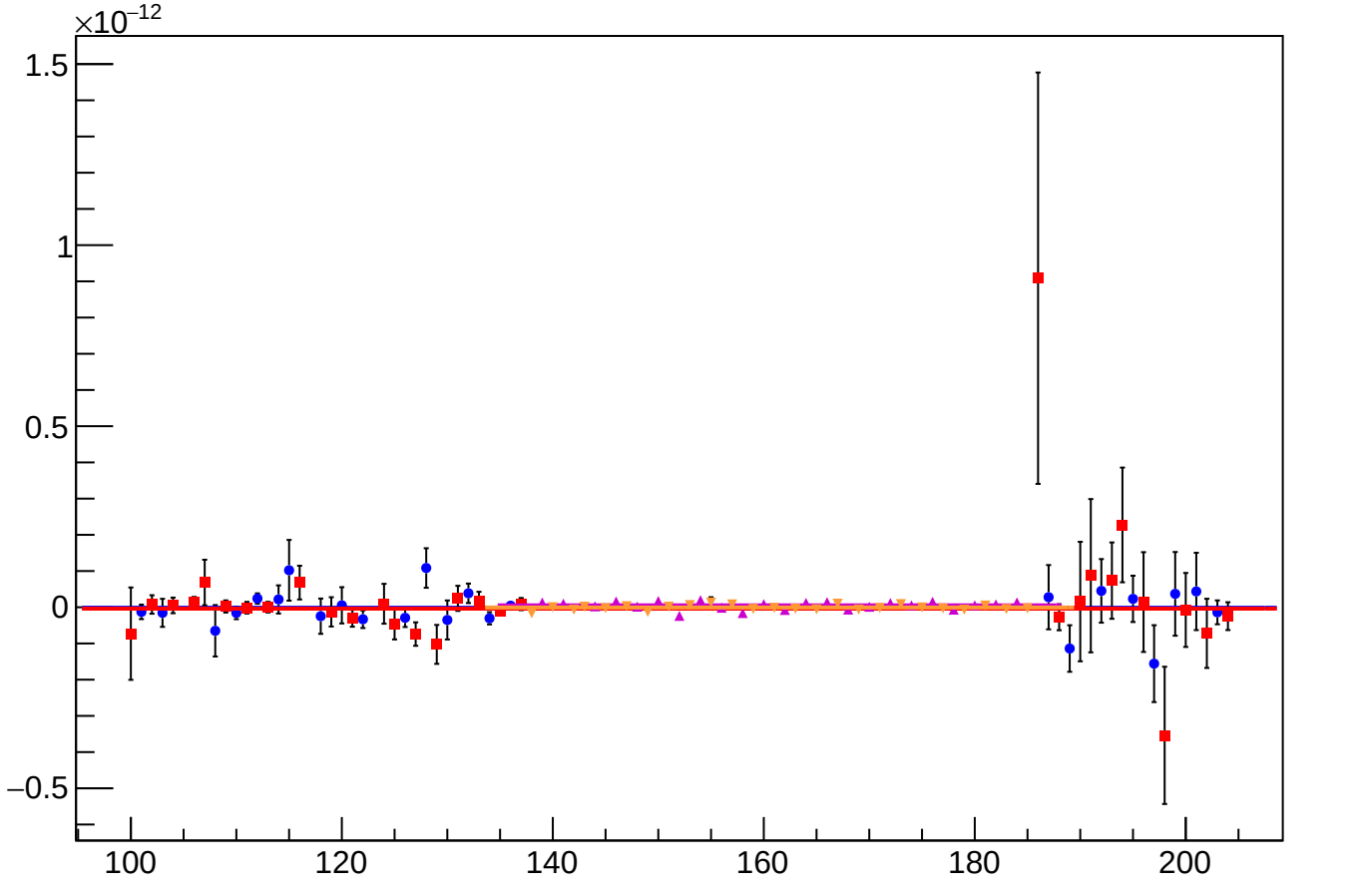
Right Out: 22.276+/-0.005 χ^2/NDF: 4082183.6/29

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

\+ sign 17.538+/-0.002 χ^2/NDF: 7206968.6/48

All: 17.570+/-0.002 χ^2/NDF: 16351694.2/101

\- sign 17.603+/-0.002 χ^2/NDF: 9144357.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

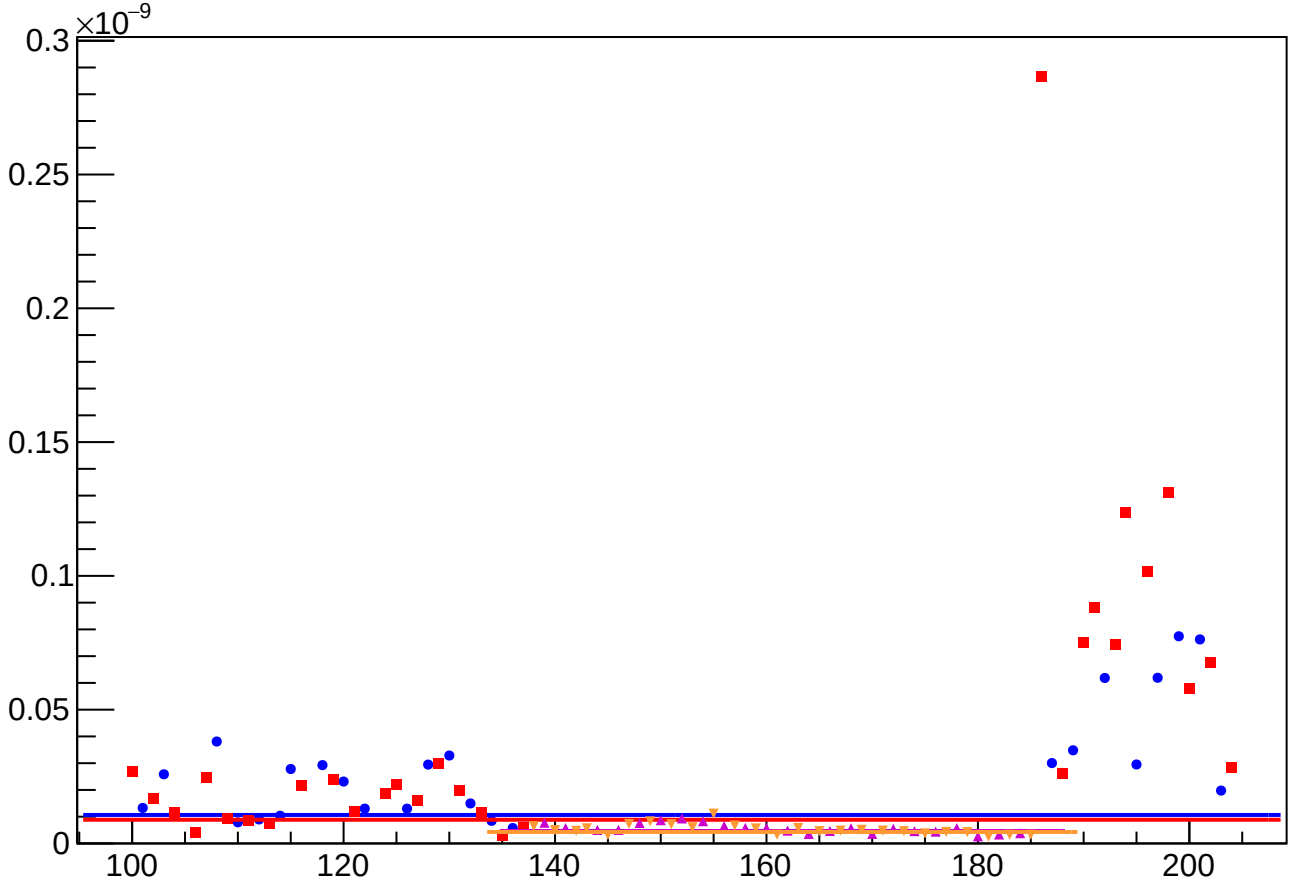
Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/29

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

+ sign -0.000+/-0.000 χ^2/NDF: 45.6/48

All: 0.000+/-0.000 χ^2/NDF: 125.0/101

- sign 0.000+/-0.000 χ^2/NDF: 71.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 6002213.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10076116.0/29

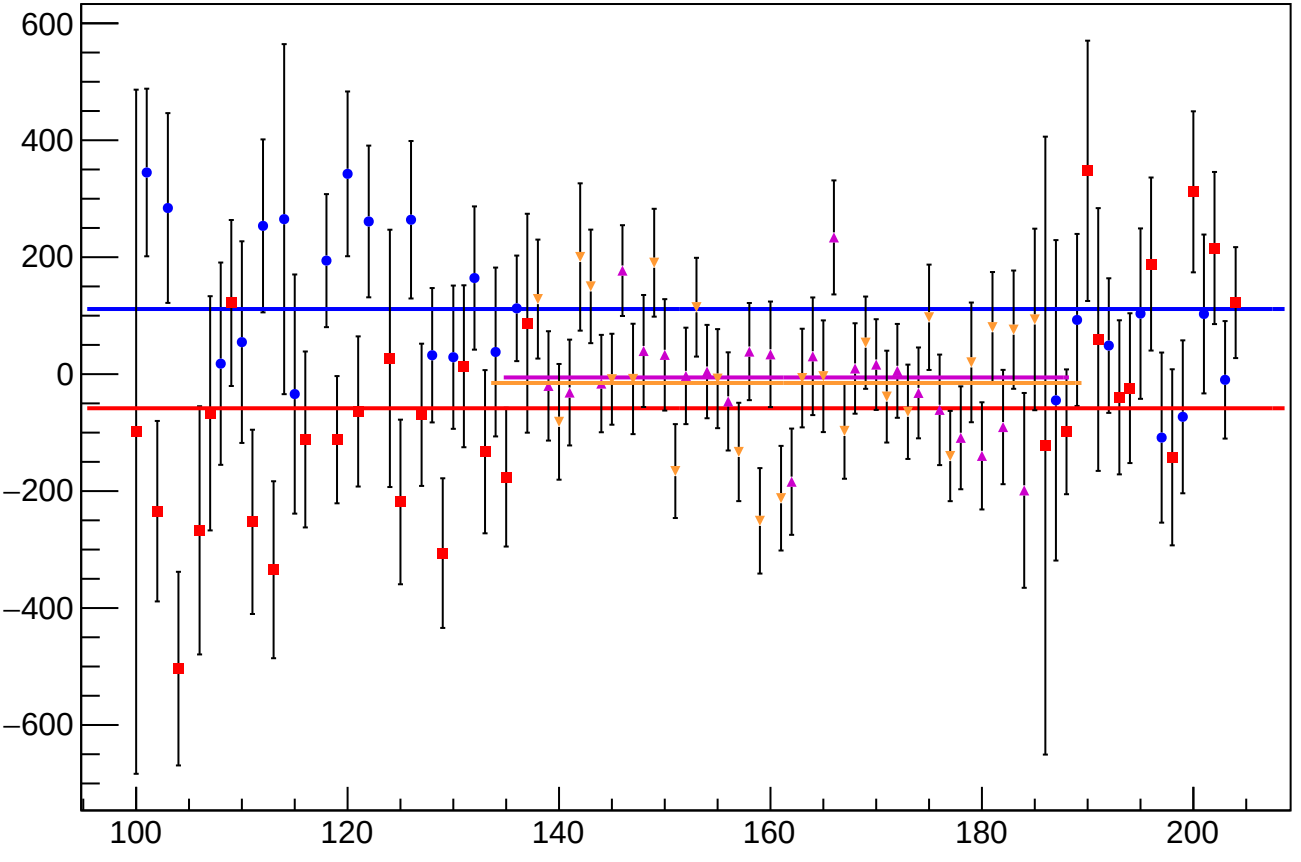
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11698280.8/48

All: 0.000+/-0.000 χ^2/NDF: 26023780.2/101

- sign 0.000+/-0.000 χ^2/NDF: 14246680.1/52

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 111.380+/-27.761 χ^2/NDF: 19.5/23

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -58.335+/-26.566 χ^2/NDF: 45.9/29

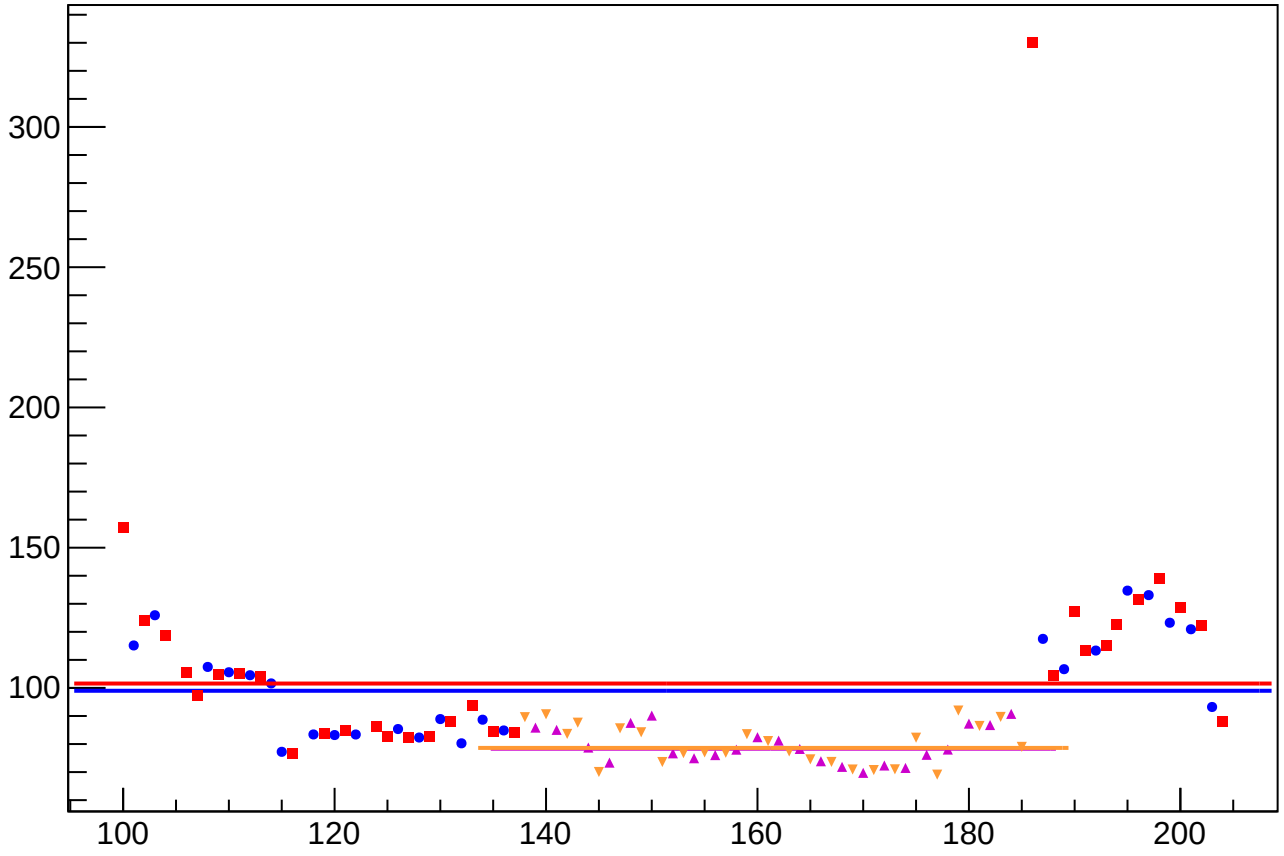
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 22.209+/-15.078 χ^2/NDF: 75.7/48

All: -0.185+/-10.675 χ^2/NDF: 151.7/101

- sign -22.693+/-15.116 χ^2/NDF: 71.6/52

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 98.990+/-0.020 χ^2/NDF: 790787.2/23

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

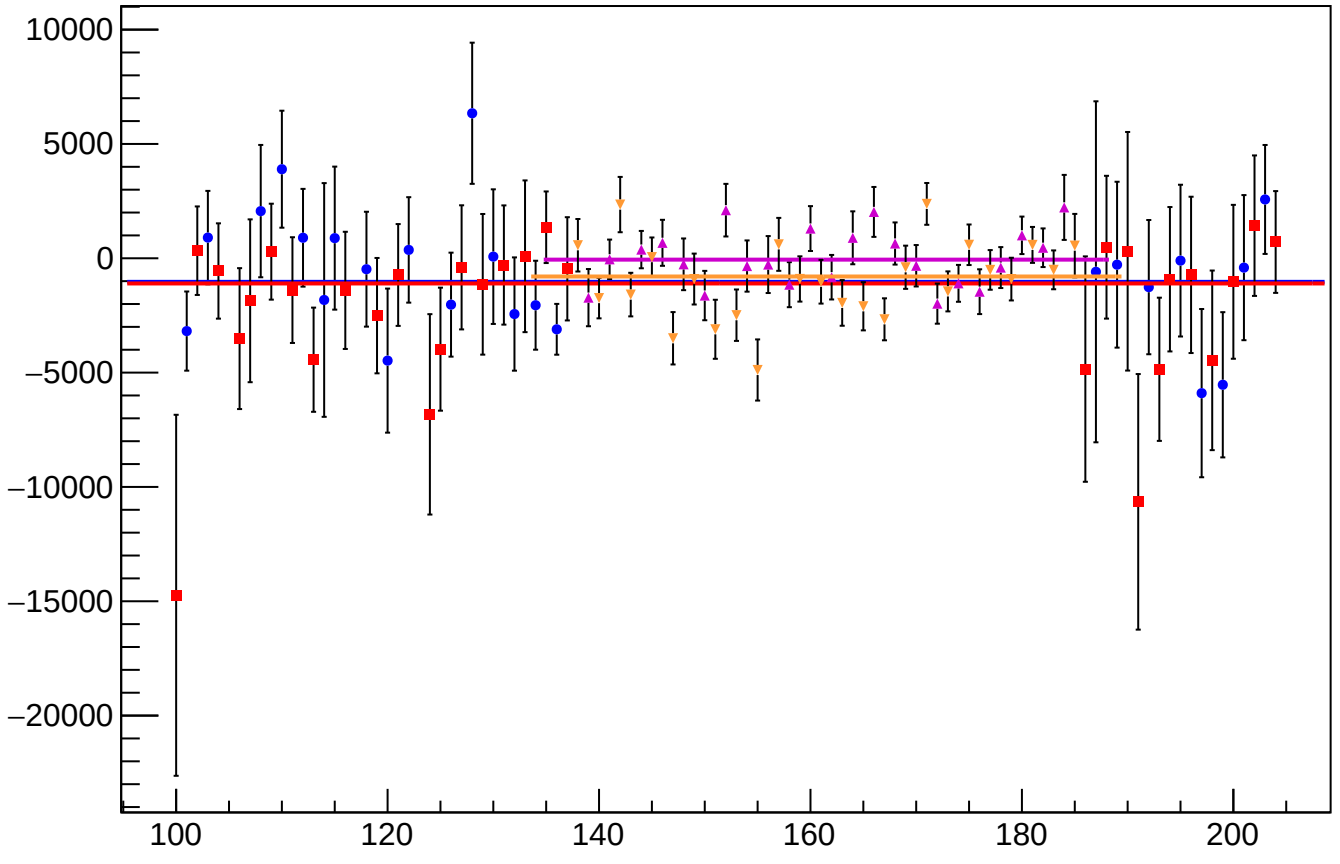
Right Out: 101.569+/-0.019 χ^2/NDF: 1310303.1/29

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.627+/-0.011 χ^2/NDF: 1857296.3/48

All: 85.240+/-0.008 χ^2/NDF: 4417929.2/101

- sign 85.857+/-0.011 χ^2/NDF: 2554002.2/52



Right In: -1031.022+/-496.739 χ^2/NDF: 26.5/23

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1101.691+/-496.861 χ^2/NDF: 20.2/29

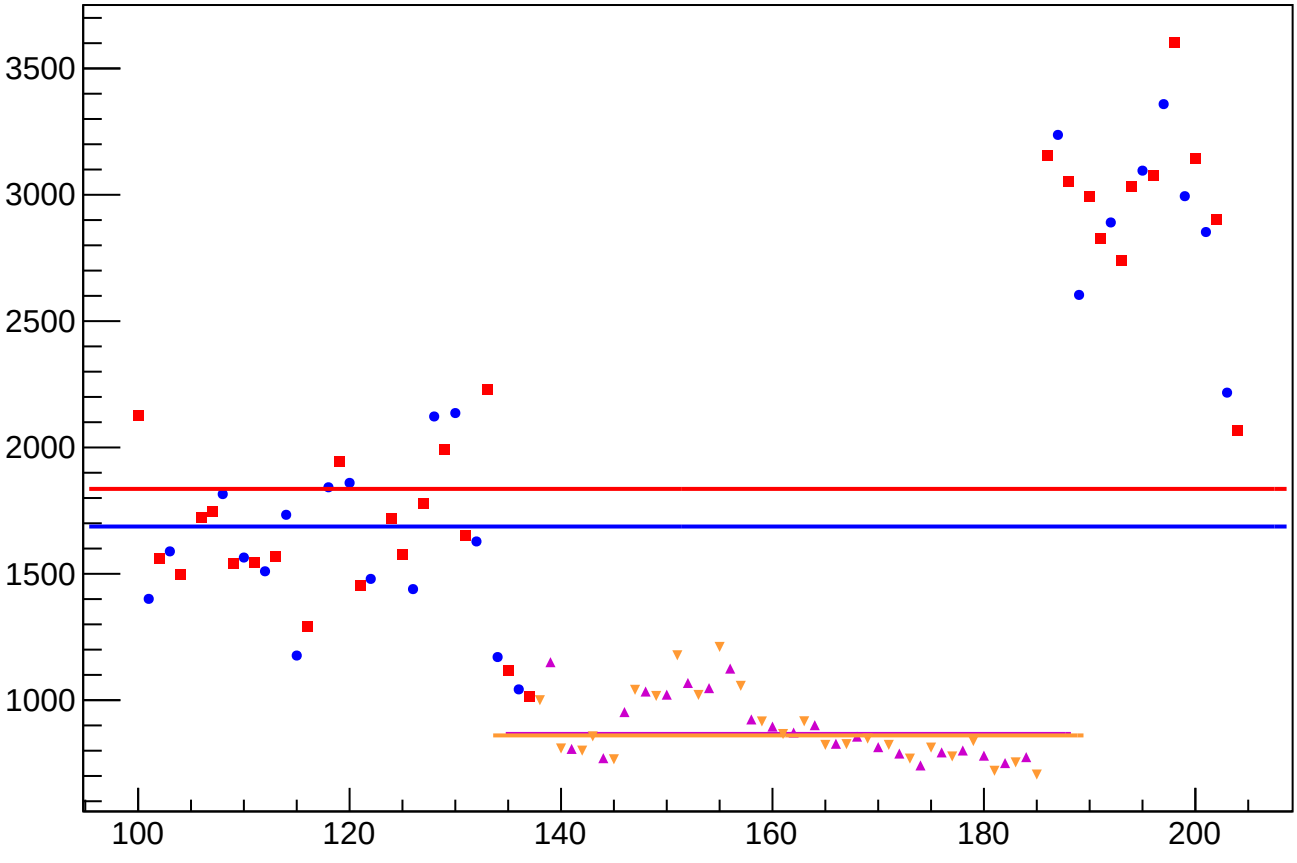
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -829.052+/-183.834 χ^2/NDF: 86.1/48

All: -528.387+/-131.799 χ^2/NDF: 146.1/101

- sign -210.389+/-189.059 χ^2/NDF: 54.5/52

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1687.186+/-0.351 χ^2/NDF: 3121086.9/23

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1836.088+/-0.351 χ^2/NDF: 3398130.1/29

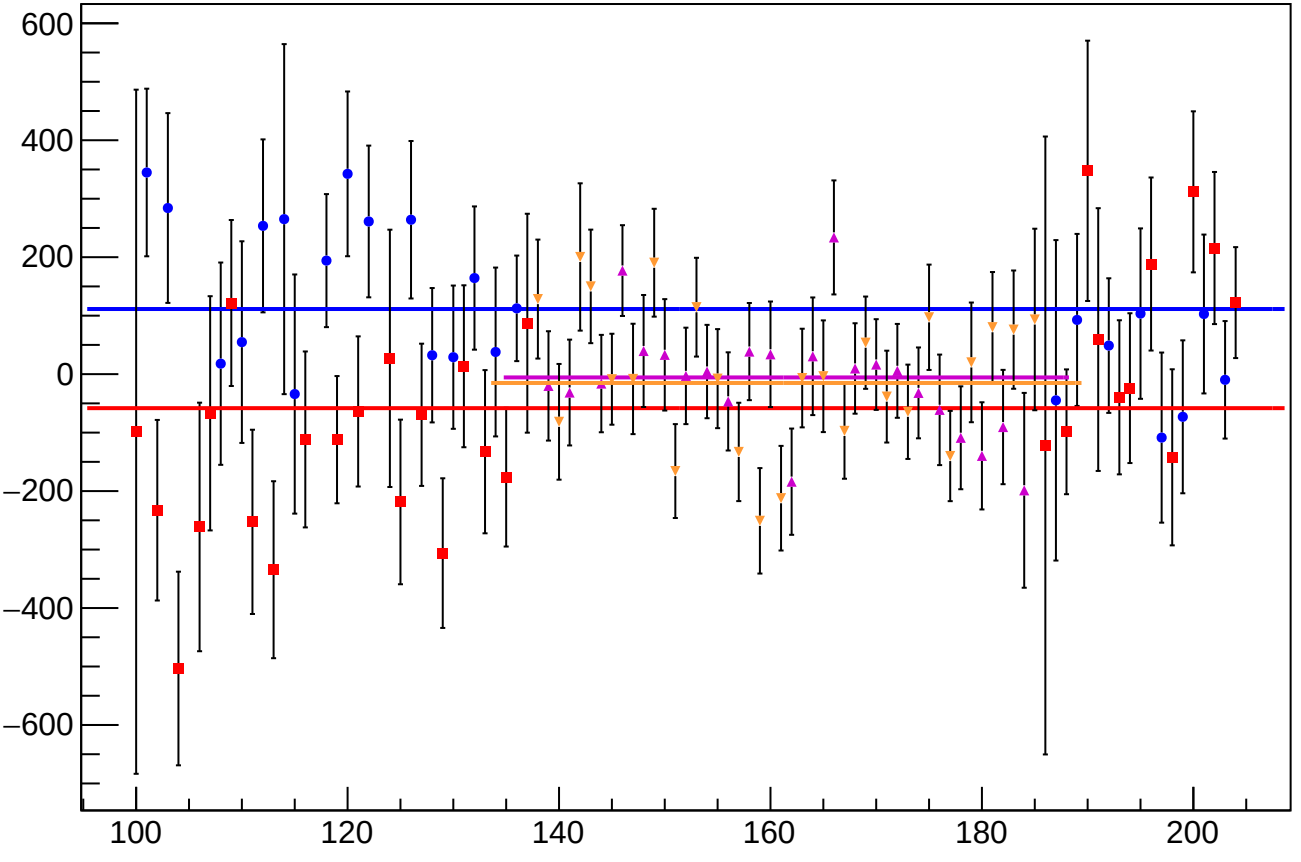
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 973.717+/-0.130 χ^2/NDF: 8601075.4/48

All: 989.773+/-0.093 χ^2/NDF: 19159282.1/10

- sign 1006.755+/-0.134 χ^2/NDF: 10526813.7/52

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 111.375+/-27.761 χ^2/NDF: 19.5/23

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -58.176+/-26.567 χ^2/NDF: 45.8/29

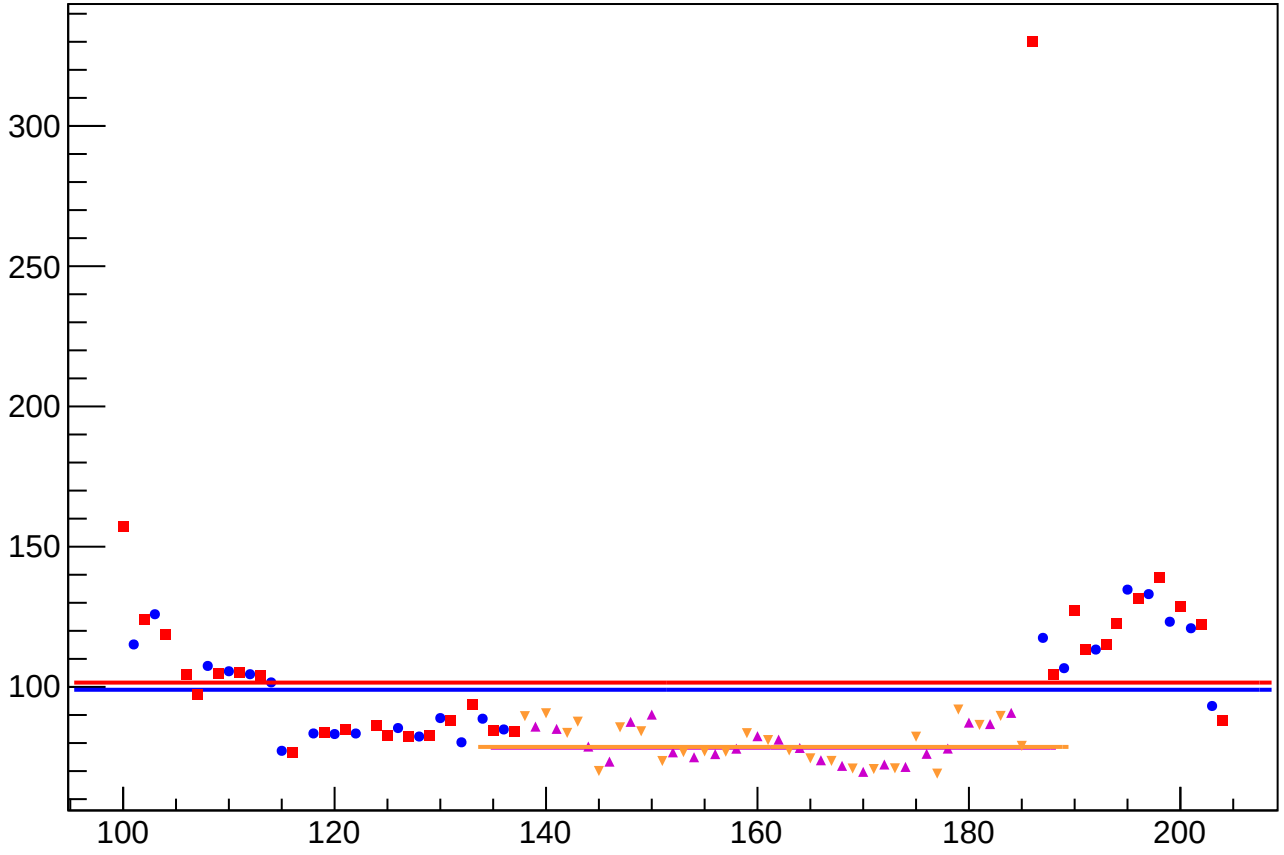
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.209+/-15.078 χ^2/NDF: 75.7/48

All: -0.157+/-10.675 χ^2/NDF: 151.6/101

- sign -22.638+/-15.116 χ^2/NDF: 71.5/52

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 98.990+/-0.020 χ^2/NDF: 790788.7/23

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

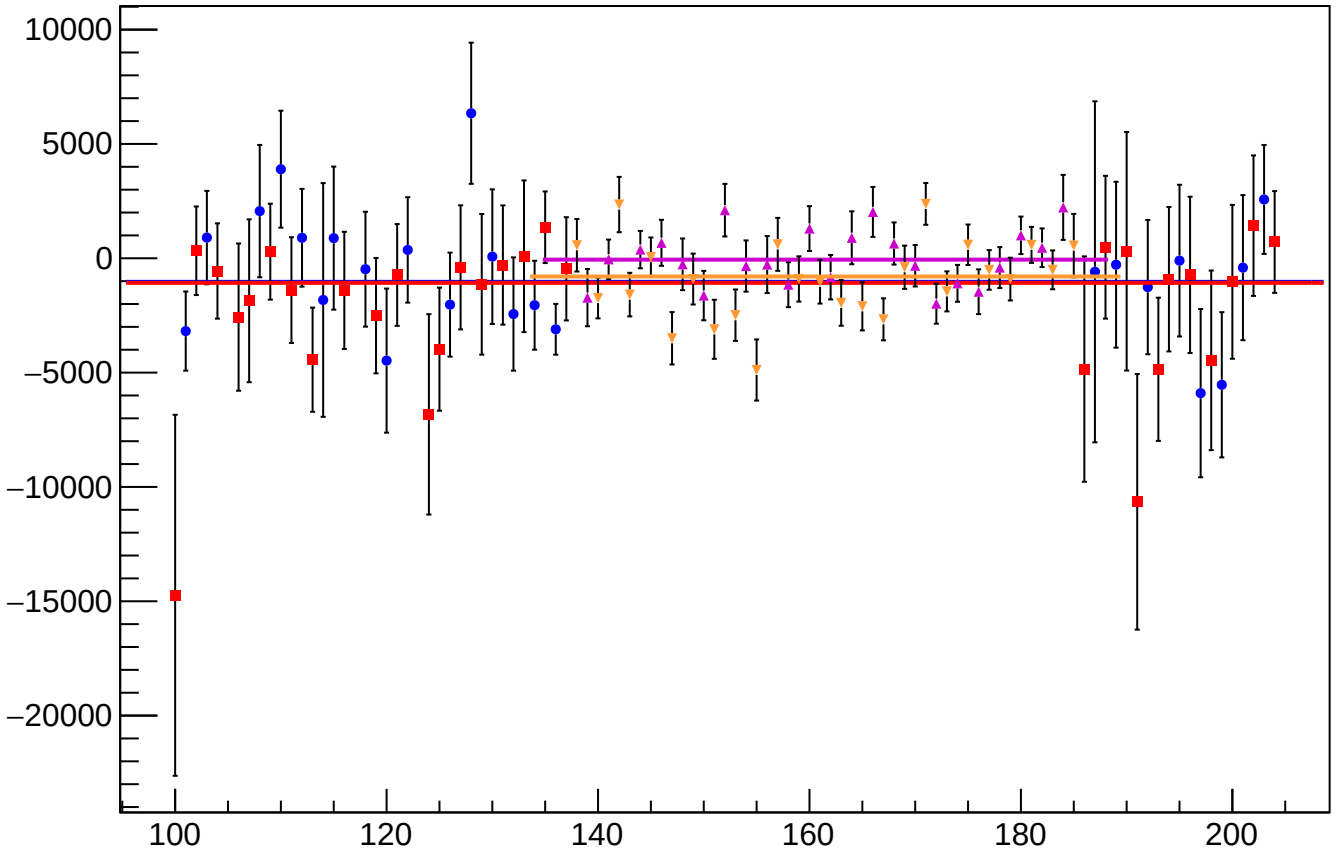
Right Out: 101.550+/-0.019 χ^2/NDF: 1310085.7/29

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

\+ sign 84.627+/-0.011 χ^2/NDF: 1857298.3/48

All: 85.237+/-0.008 χ^2/NDF: 4415878.2/101

\- sign 85.850+/-0.011 χ^2/NDF: 2552020.5/52



Right In: -1031.003+/-496.740 χ^2/NDF: 26.5/23

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

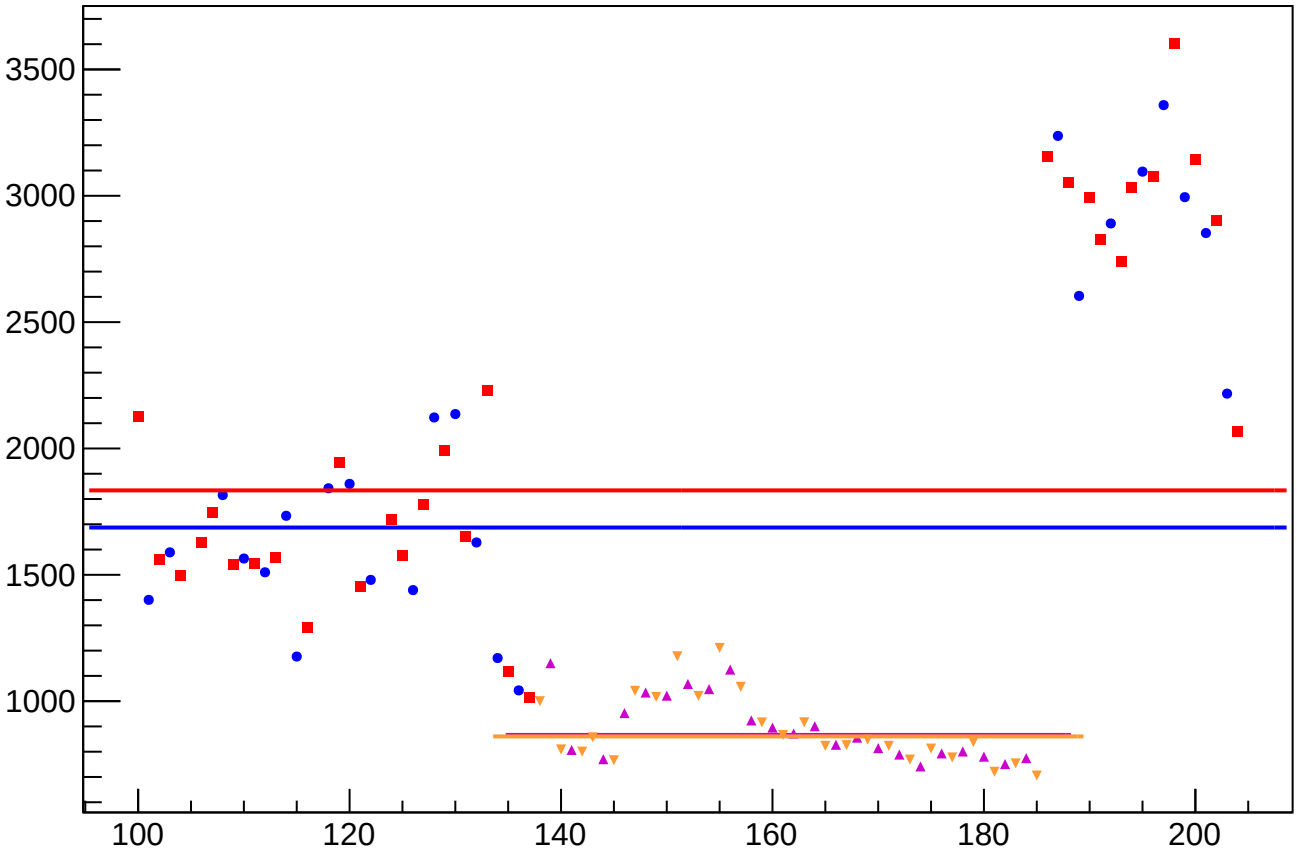
Right Out: -1074.270+/-497.419 χ^2/NDF: 19.8/29

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -829.049+/-183.834 χ^2/NDF: 86.1/48

All: -526.369+/-131.809 χ^2/NDF: 145.6/101

- sign -206.137+/-189.089 χ^2/NDF: 53.9/52



Right In: 1687.190+/-0.351 χ^2/NDF: 3121081.6/23

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1834.151+/-0.352 χ^2/NDF: 3403476.6/29

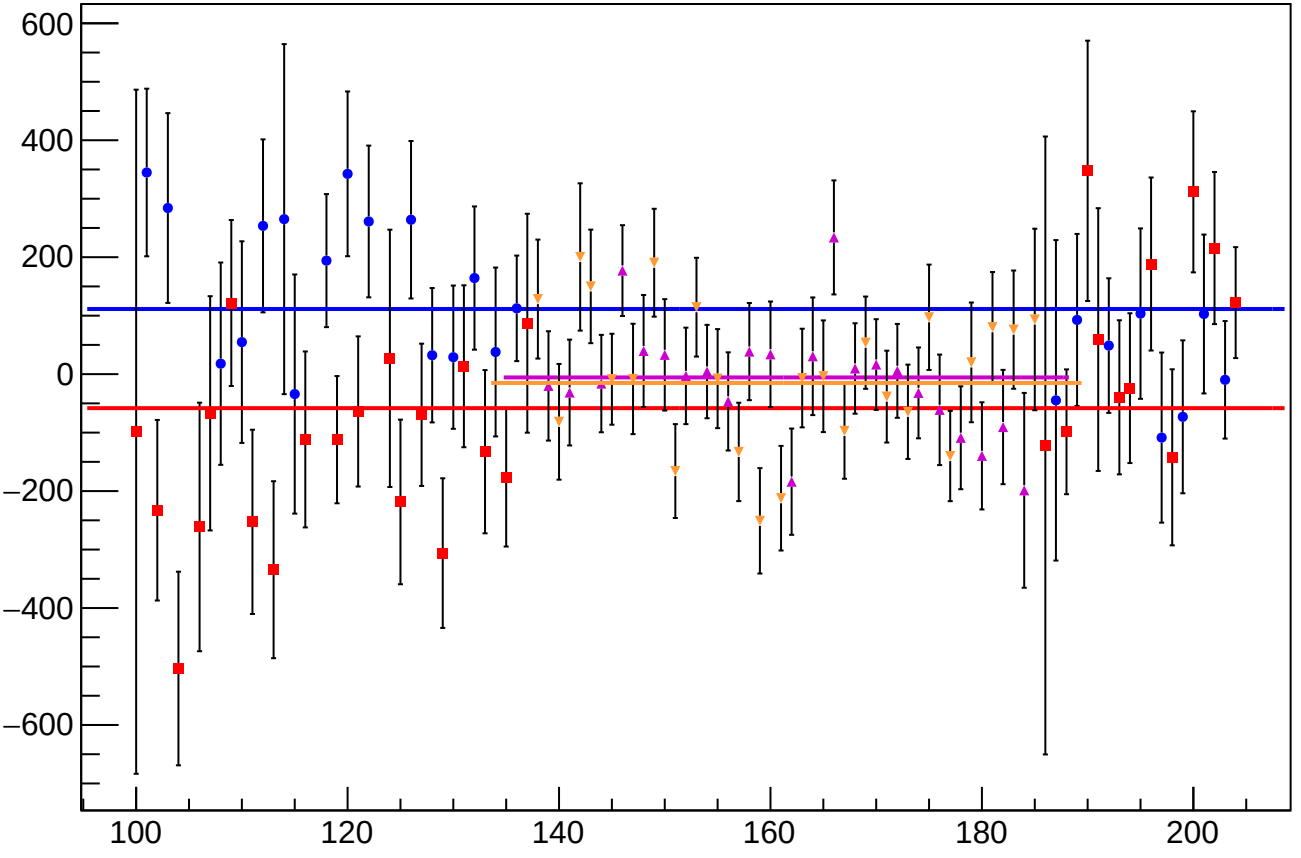
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 973.717+/-0.130 χ^2/NDF: 8601095.7/48

All: 989.504+/-0.093 χ^2/NDF: 19125150.4/10

- sign 1006.206+/-0.134 χ^2/NDF: 10493701.2/52

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 111.375+/-27.761 χ^2/NDF: 19.5/23

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -58.176+/-26.567 χ^2/NDF: 45.8/29

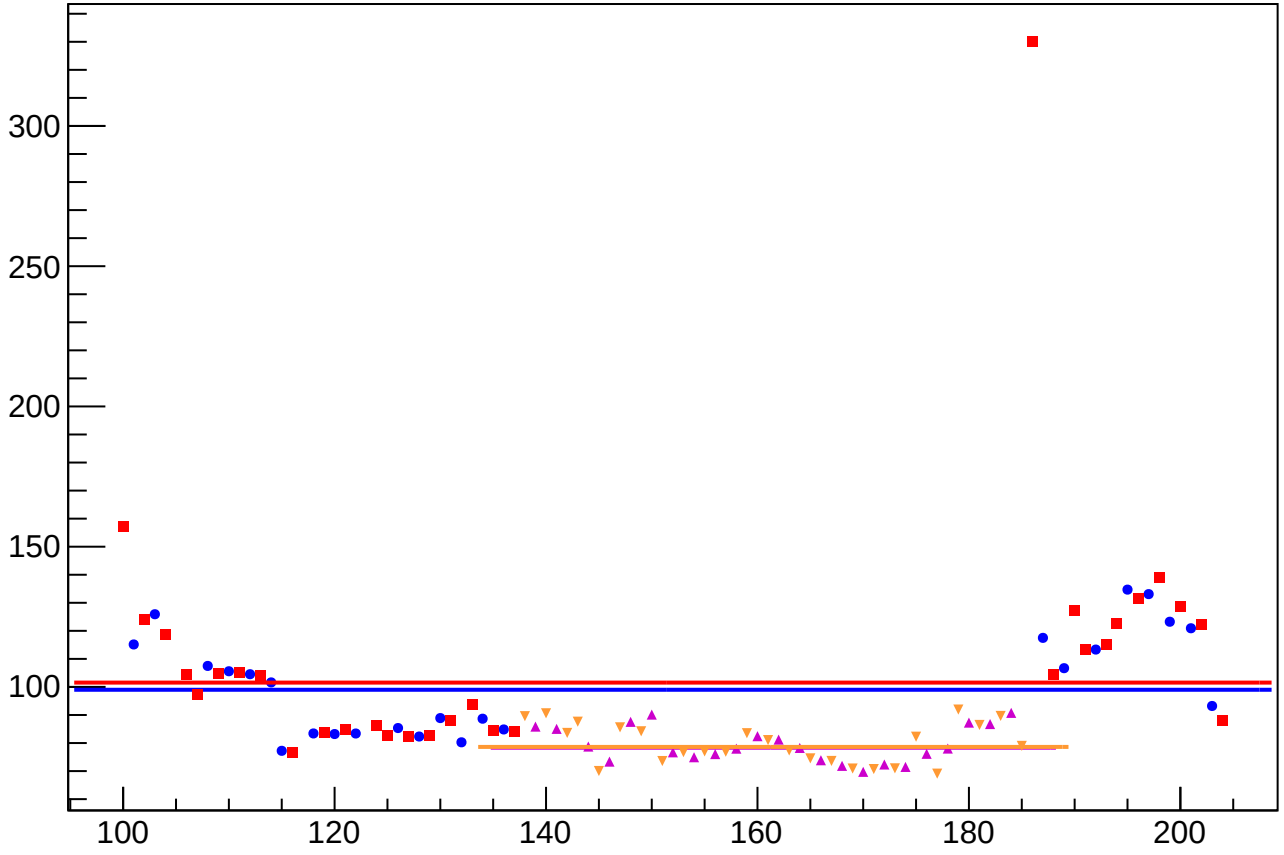
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.209+/-15.078 χ^2/NDF: 75.7/48

All: -0.157+/-10.675 χ^2/NDF: 151.6/101

- sign -22.638+/-15.116 χ^2/NDF: 71.5/52

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 98.990+/-0.020 χ^2/NDF: 790788.7/23

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

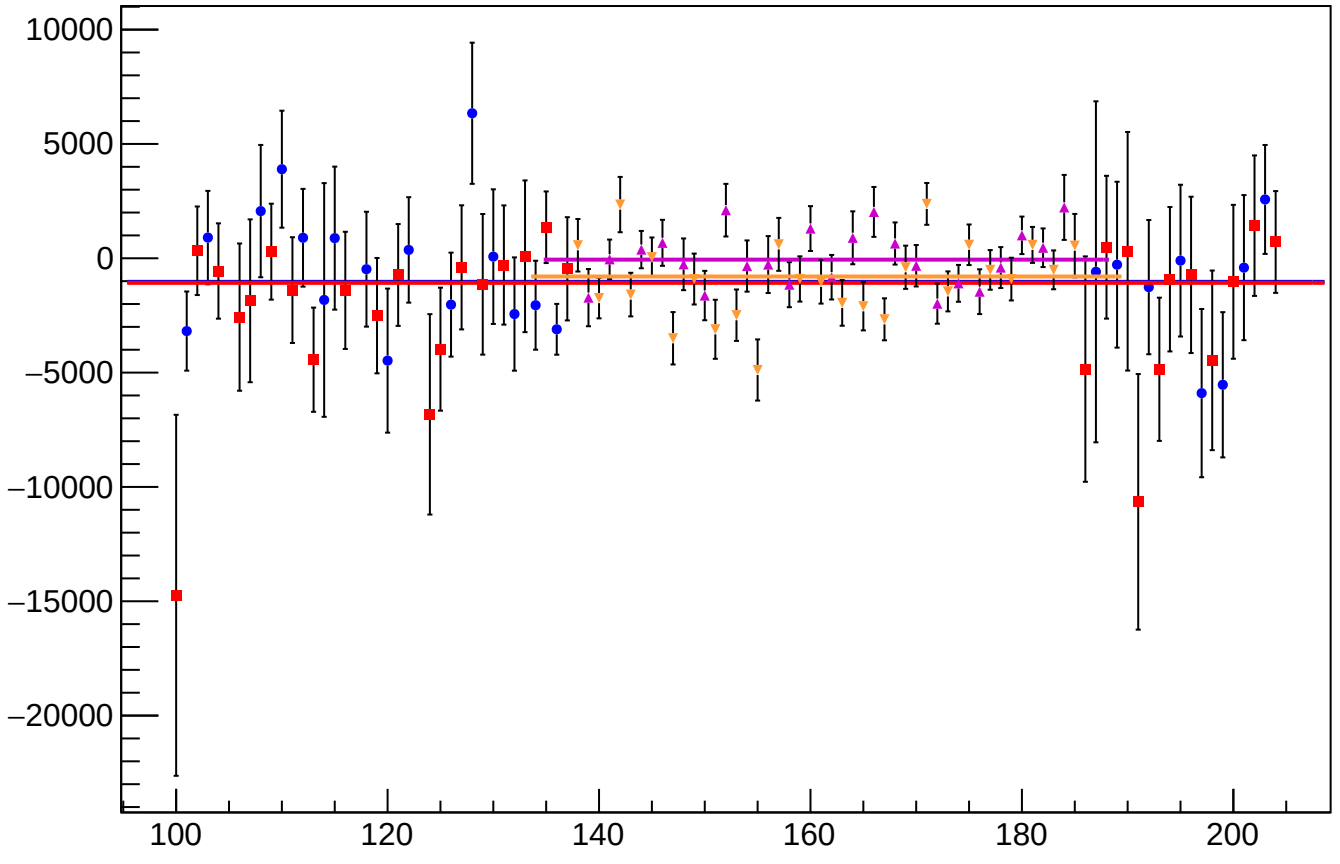
Right Out: 101.550+/-0.019 χ^2/NDF: 1310085.7/29

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.627+/-0.011 χ^2/NDF: 1857298.3/48

All: 85.237+/-0.008 χ^2/NDF: 4415878.2/101

- sign 85.850+/-0.011 χ^2/NDF: 2552020.5/52



Right In: -1031.003+/-496.740 χ^2/NDF: 26.5/23

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

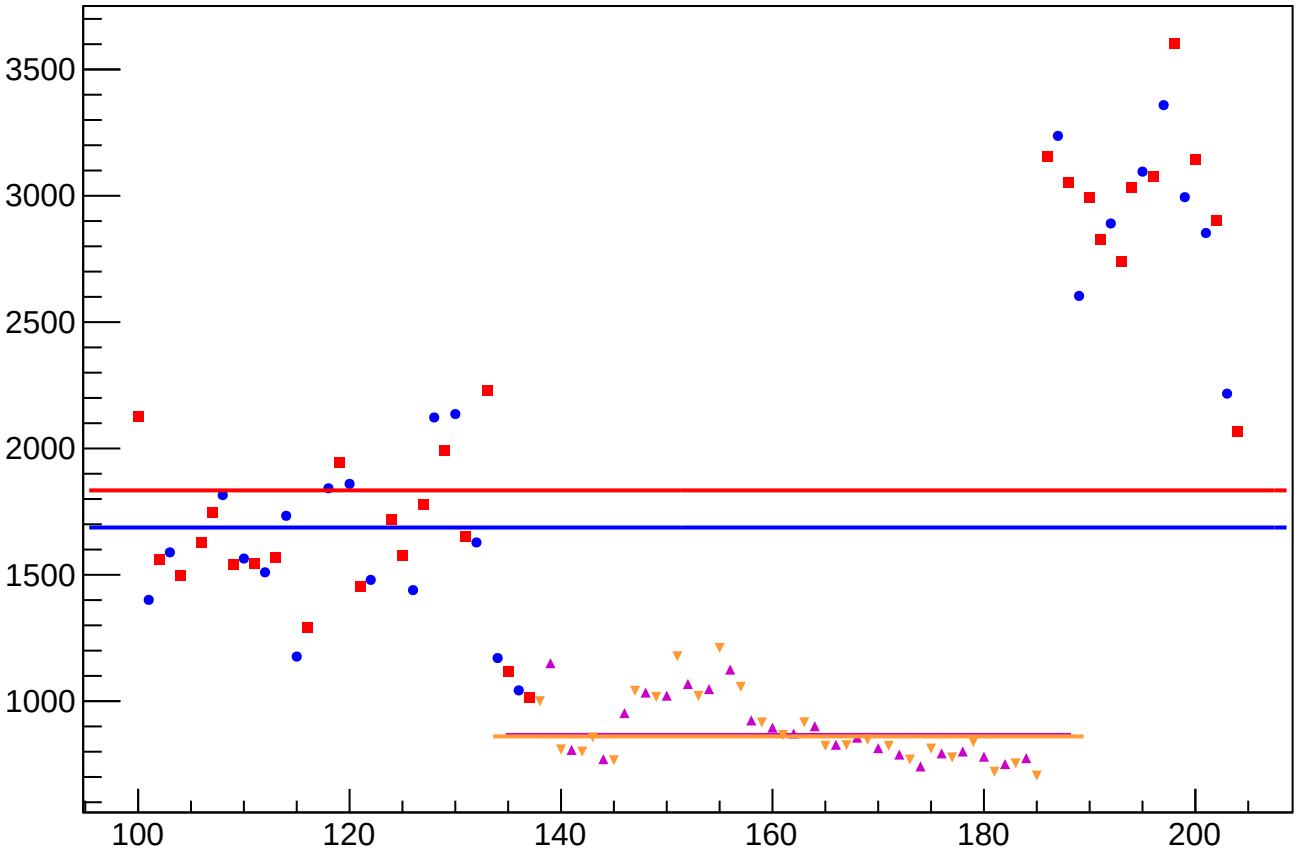
Right Out: -1074.270+/-497.419 χ^2/NDF: 19.8/29

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -829.049+/-183.834 χ^2/NDF: 86.1/48

All: -526.369+/-131.809 χ^2/NDF: 145.6/101

- sign -206.137+/-189.089 χ^2/NDF: 53.9/52



Right In: 1687.190+/-0.351 χ^2/NDF: 3121081.6/23

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1834.151+/-0.352 χ^2/NDF: 3403476.6/29

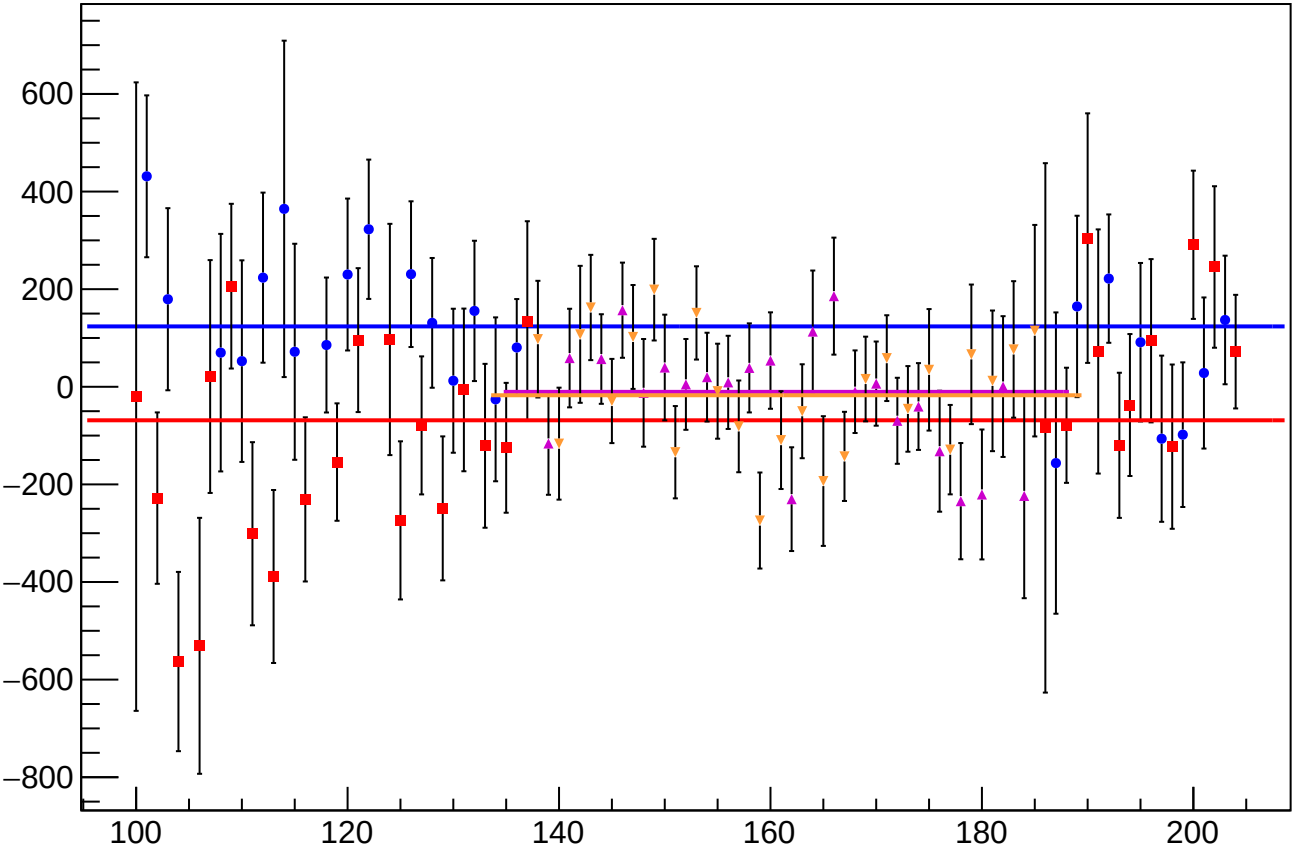
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 973.717+/-0.130 χ^2/NDF: 8601095.7/48

All: 989.504+/-0.093 χ^2/NDF: 19125150.4/10

- sign 1006.206+/-0.134 χ^2/NDF: 10493701.2/52

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 123.709+/-32.322 χ^2/NDF: 15.1/23

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -68.667+/-30.572 χ^2/NDF: 40.8/29

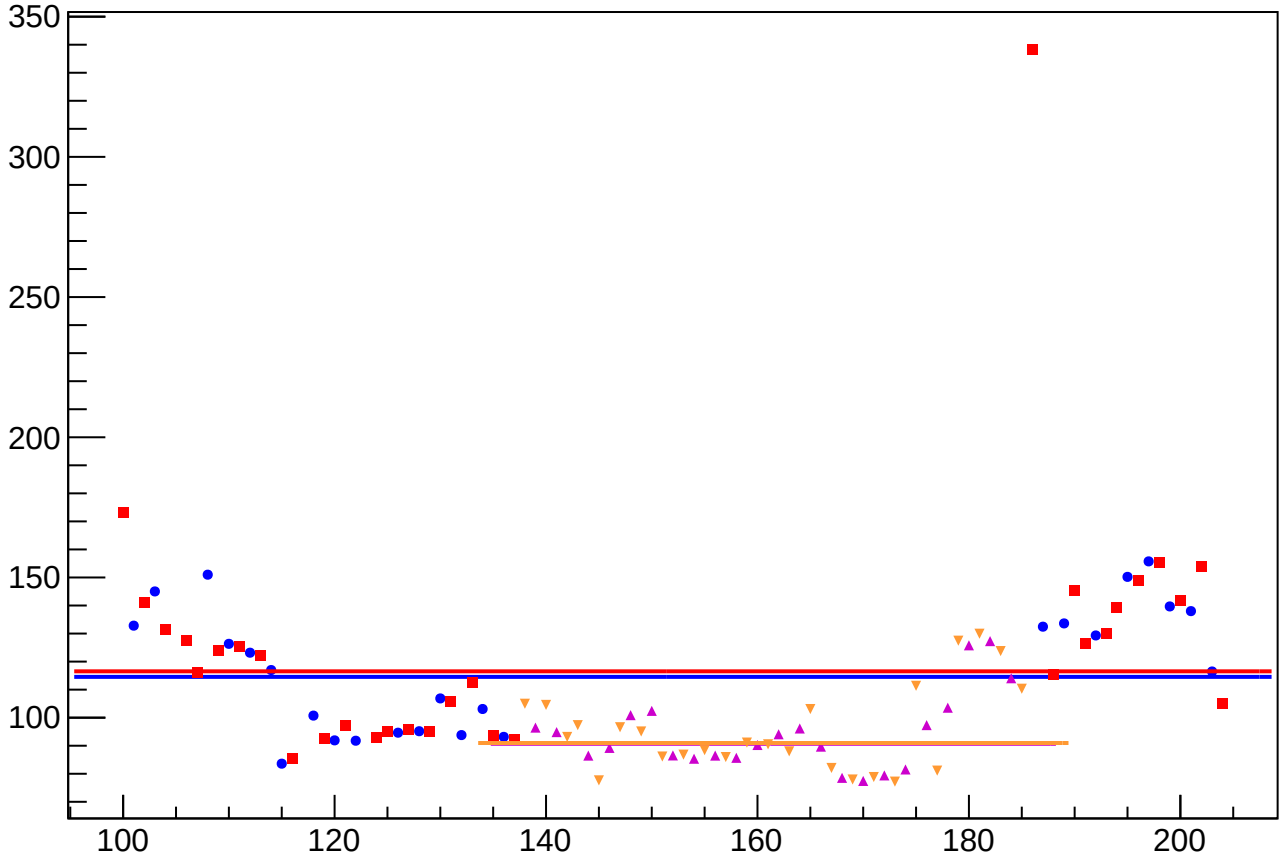
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 24.479+/-17.602 χ^2/NDF: 59.7/48

All: -2.627+/-12.442 χ^2/NDF: 130.3/101

- sign -29.693+/-17.588 χ^2/NDF: 65.9/52

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 114.555+/-0.023 χ^2/NDF: 884101.0/23

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

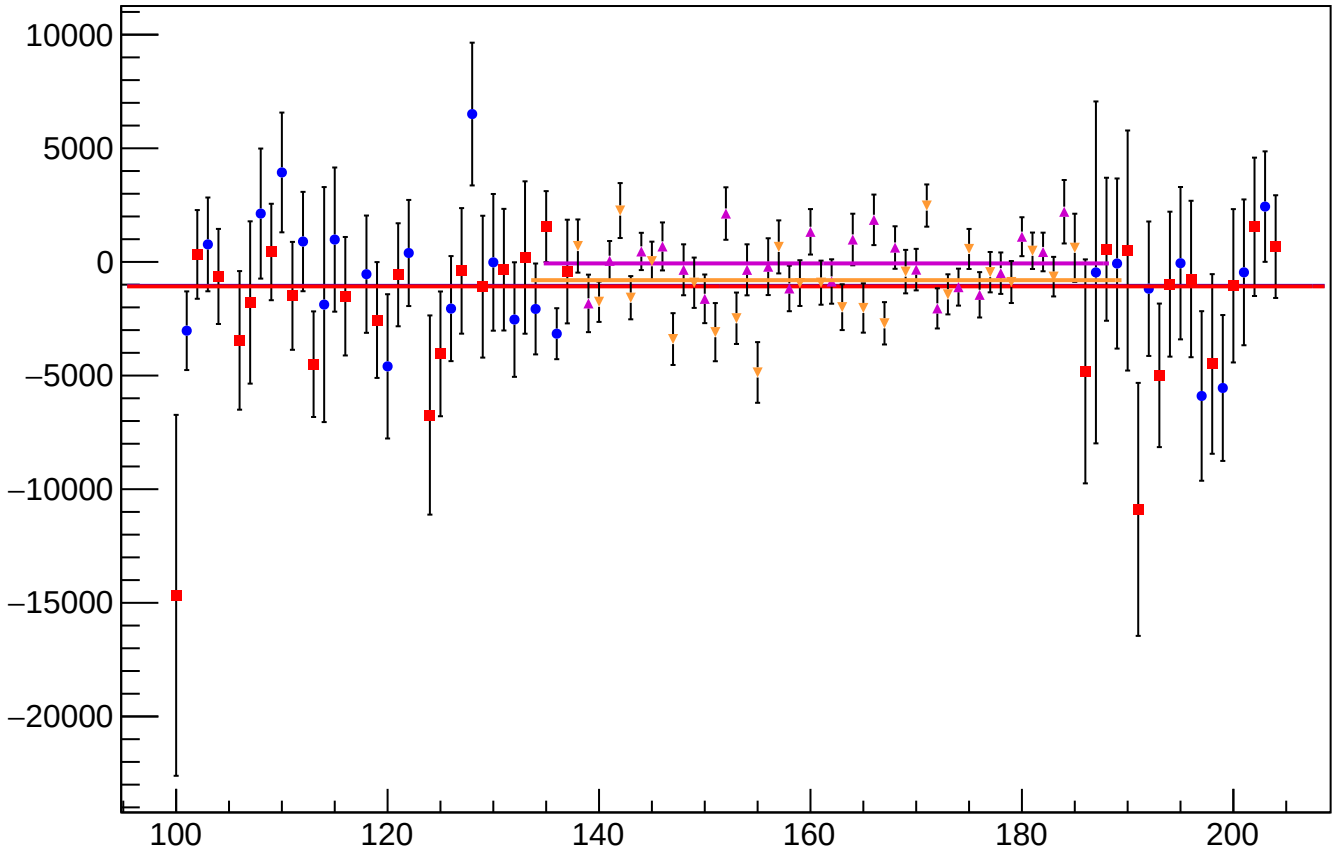
Right Out: 116.529+/-0.022 χ^2/NDF: 1286524.9/29

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 97.962+/-0.012 χ^2/NDF: 2417927.5/48

All: 98.603+/-0.009 χ^2/NDF: 5211501.8/101

- sign 99.242+/-0.012 χ^2/NDF: 2788284.0/52



Right In: -1053.409+/-503.572 χ^2/NDF: 25.9/23

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1074.805+/-501.728 χ^2/NDF: 21.0/29

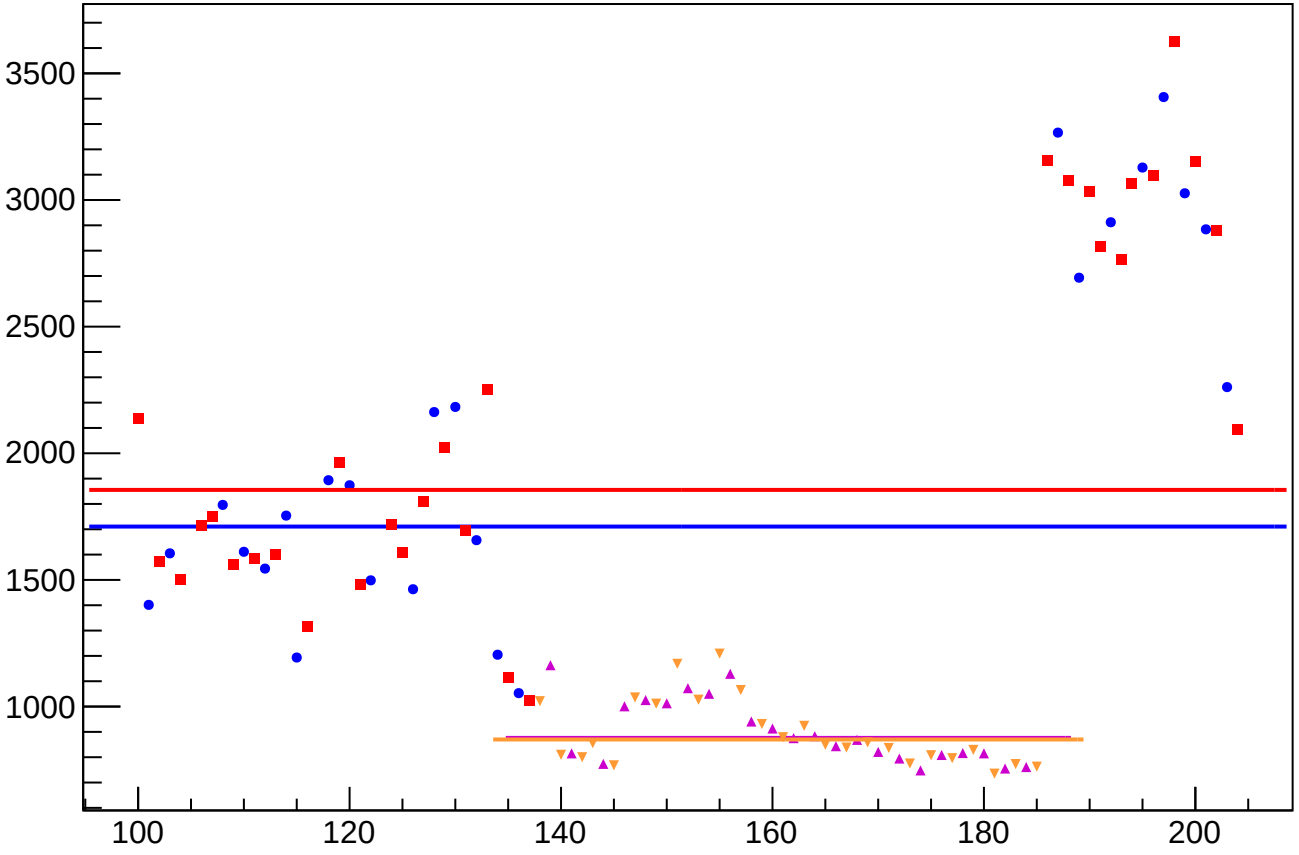
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -836.669+/-185.757 χ^2/NDF: 84.5/48

All: -533.031+/-133.198 χ^2/NDF: 145.1/101

- sign -211.679+/-191.099 χ^2/NDF: 55.2/52

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1710.651+/-0.356 χ^2/NDF: 3131601.5/23

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

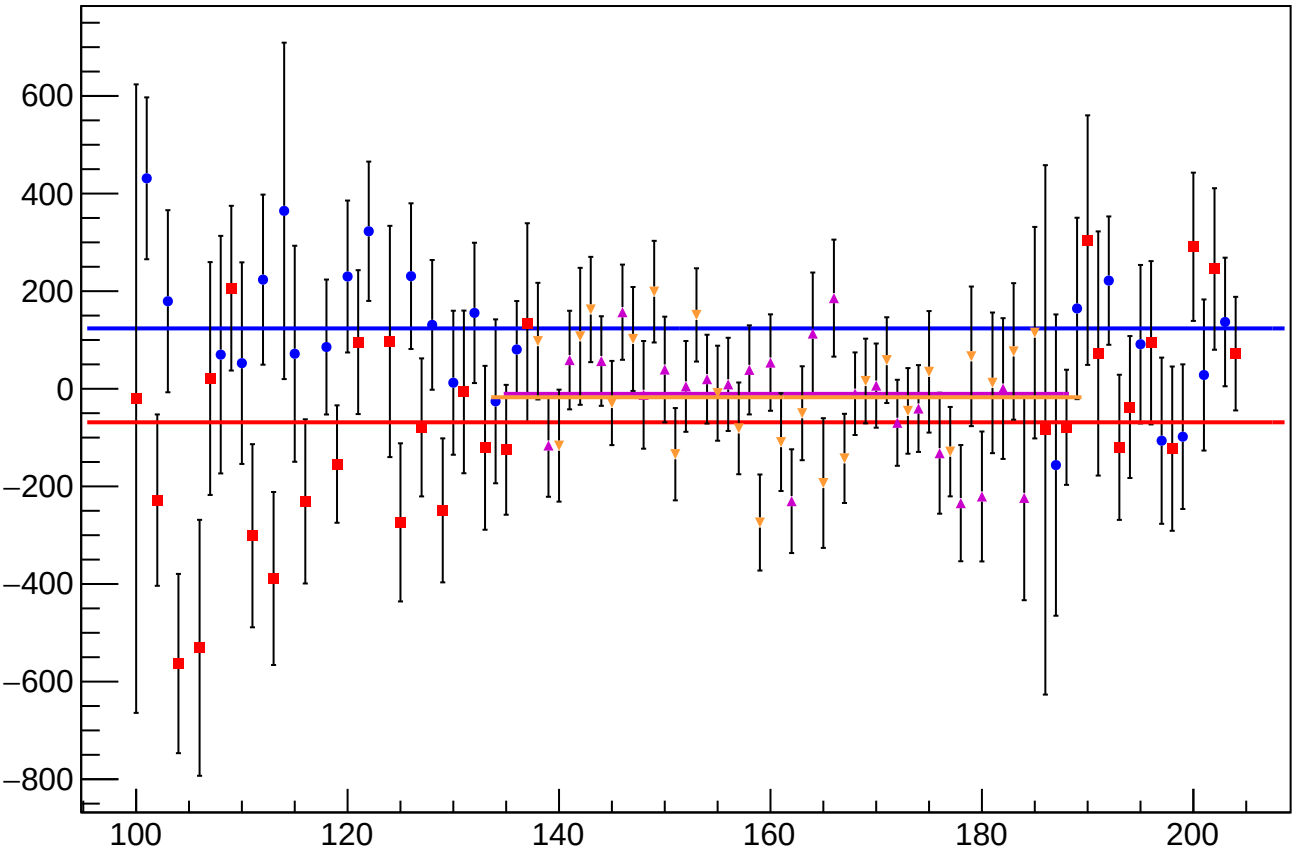
Right Out: 1855.382+/-0.355 χ^2/NDF: 3372222.3/29

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 984.396+/-0.131 χ^2/NDF: 8594001.4/48

All: 1000.874+/-0.094 χ^2/NDF: 19107387.7/1

- sign 1018.313+/-0.135 χ^2/NDF: 10480993.6/52



Right In: 123.711+/-32.321 χ^2/NDF: 15.1/23

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -68.667+/-30.572 χ^2/NDF: 40.8/29

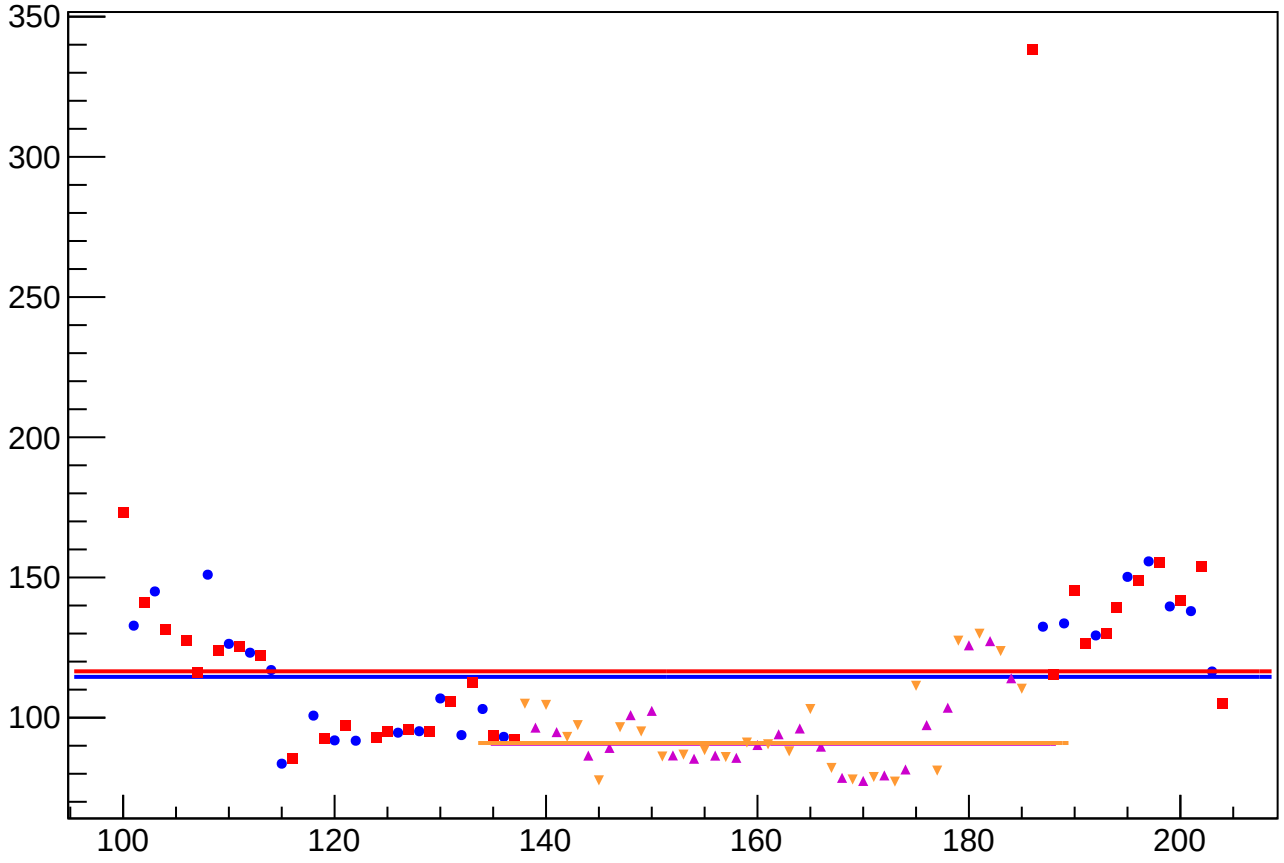
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 24.480+/-17.602 χ^2/NDF: 59.7/48

All: -2.627+/-12.442 χ^2/NDF: 130.3/101

- sign -29.693+/-17.588 χ^2/NDF: 65.9/52

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 114.554+/-0.023 χ^2/NDF: 884125.1/23

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

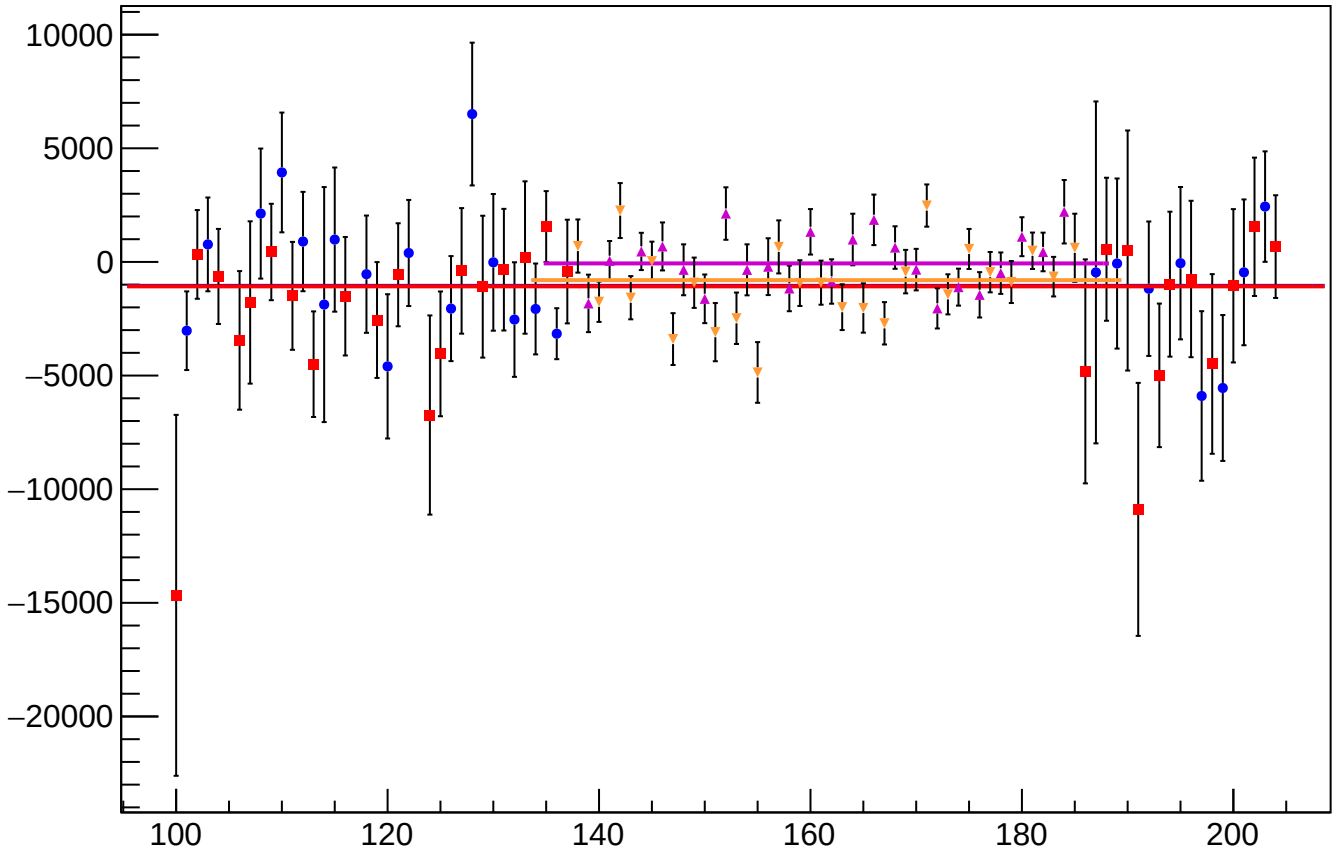
Right Out: 116.528+/-0.022 χ^2/NDF: 1286549.2/29

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 97.962+/-0.012 χ^2/NDF: 2417903.3/48

All: 98.603+/-0.009 χ^2/NDF: 5211459.8/101

- sign 99.242+/-0.012 χ^2/NDF: 2788266.6/52



Right In: -1053.405+/-503.571 χ^2/NDF: 25.9/23

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

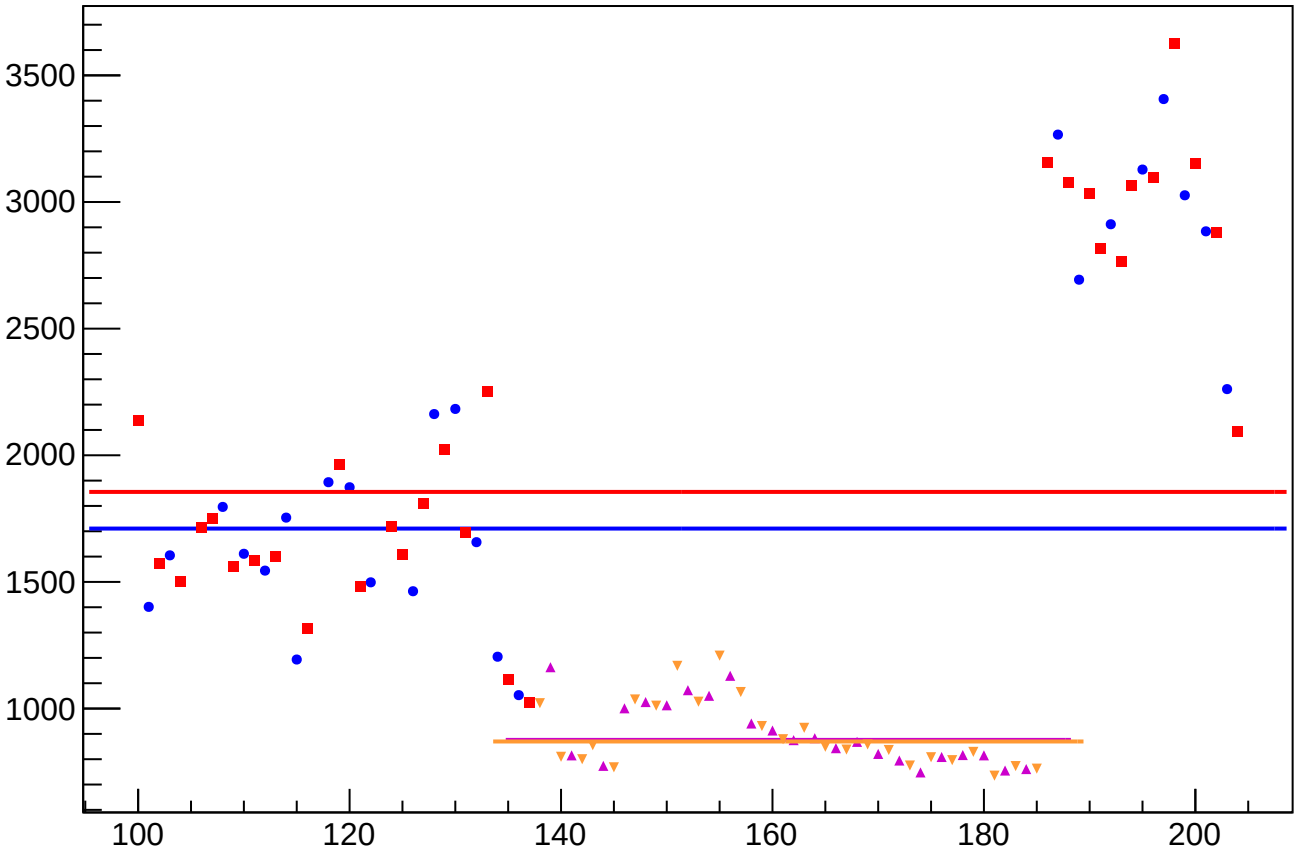
Right Out: -1074.805+/-501.727 χ^2/NDF: 21.0/29

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -836.668+/-185.757 χ^2/NDF: 84.5/48

All: -533.031+/-133.198 χ^2/NDF: 145.1/101

- sign -211.679+/-191.099 χ^2/NDF: 55.2/52



Right In: 1710.648+/-0.356 χ^2/NDF: 3131605.2/23

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1855.379+/-0.355 χ^2/NDF: 3372232.2/29

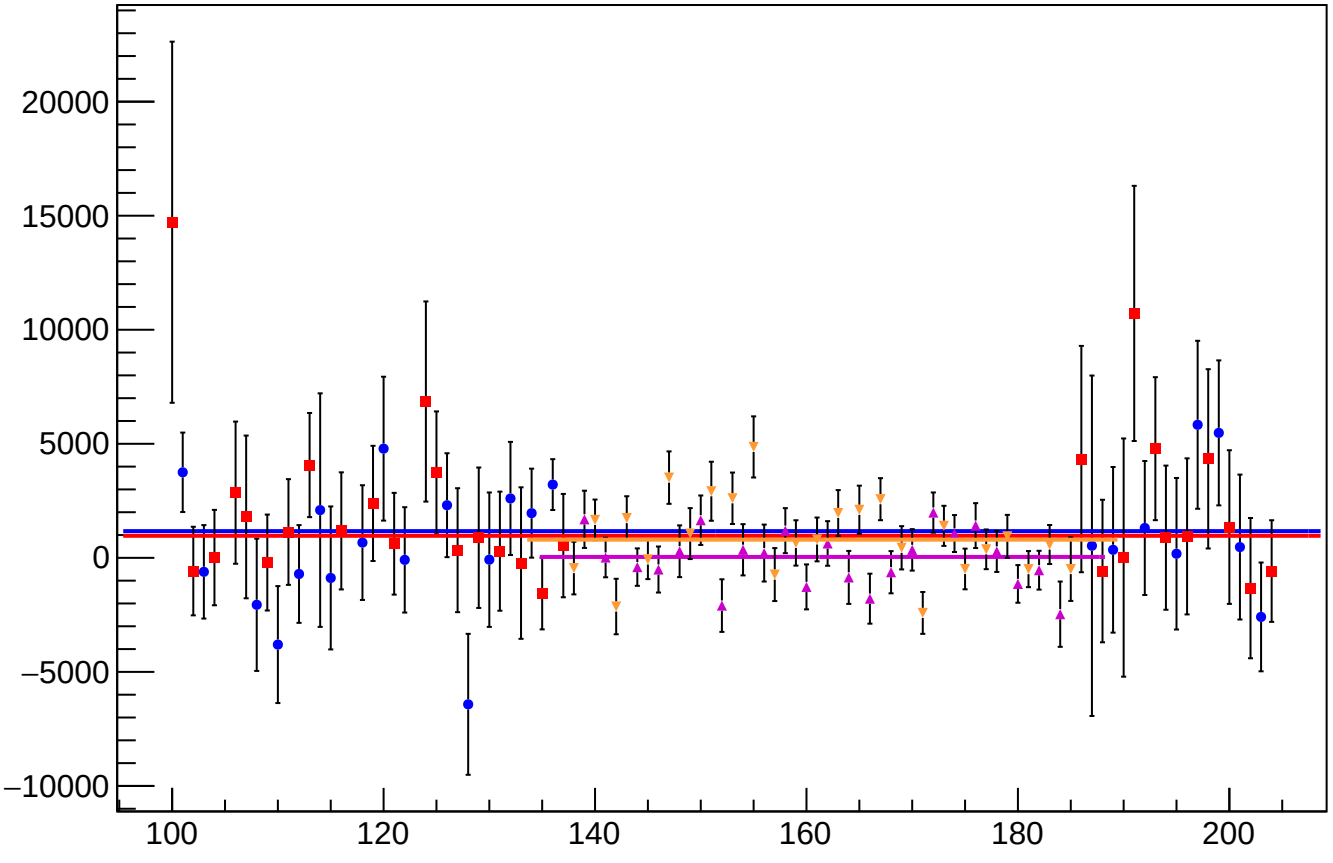
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 984.395+/-0.131 χ^2/NDF: 8593996.0/48

All: 1000.873+/-0.094 χ^2/NDF: 19107379.5/1

- sign 1018.312+/-0.135 χ^2/NDF: 10480991.0/52

asym_sam_24_68_dd_mean vs Slug



Right In: 1171.735+/-497.942 χ^2/NDF: 27.3/23

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 967.012+/-497.963 χ^2/NDF: 19.6/29

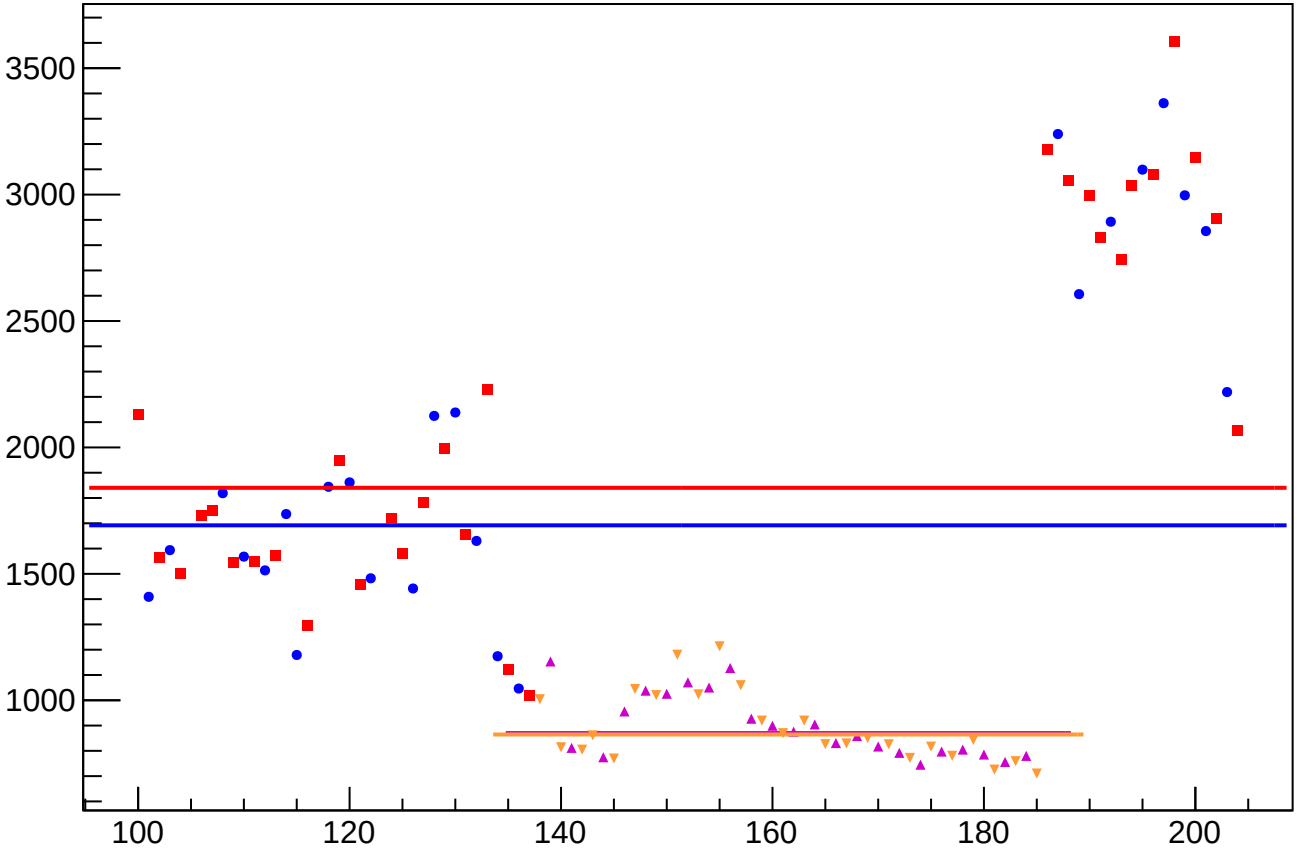
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 847.905+/-184.631 χ^2/NDF: 85.0/48

All: 520.577+/-132.357 χ^2/NDF: 143.7/101

- sign 174.515+/-189.841 χ^2/NDF: 52.3/52

asym_sam_24_68_dd_rms vs Slug



Right In: 1691.913+/-0.352 χ^2/NDF: 3104738.9/23

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

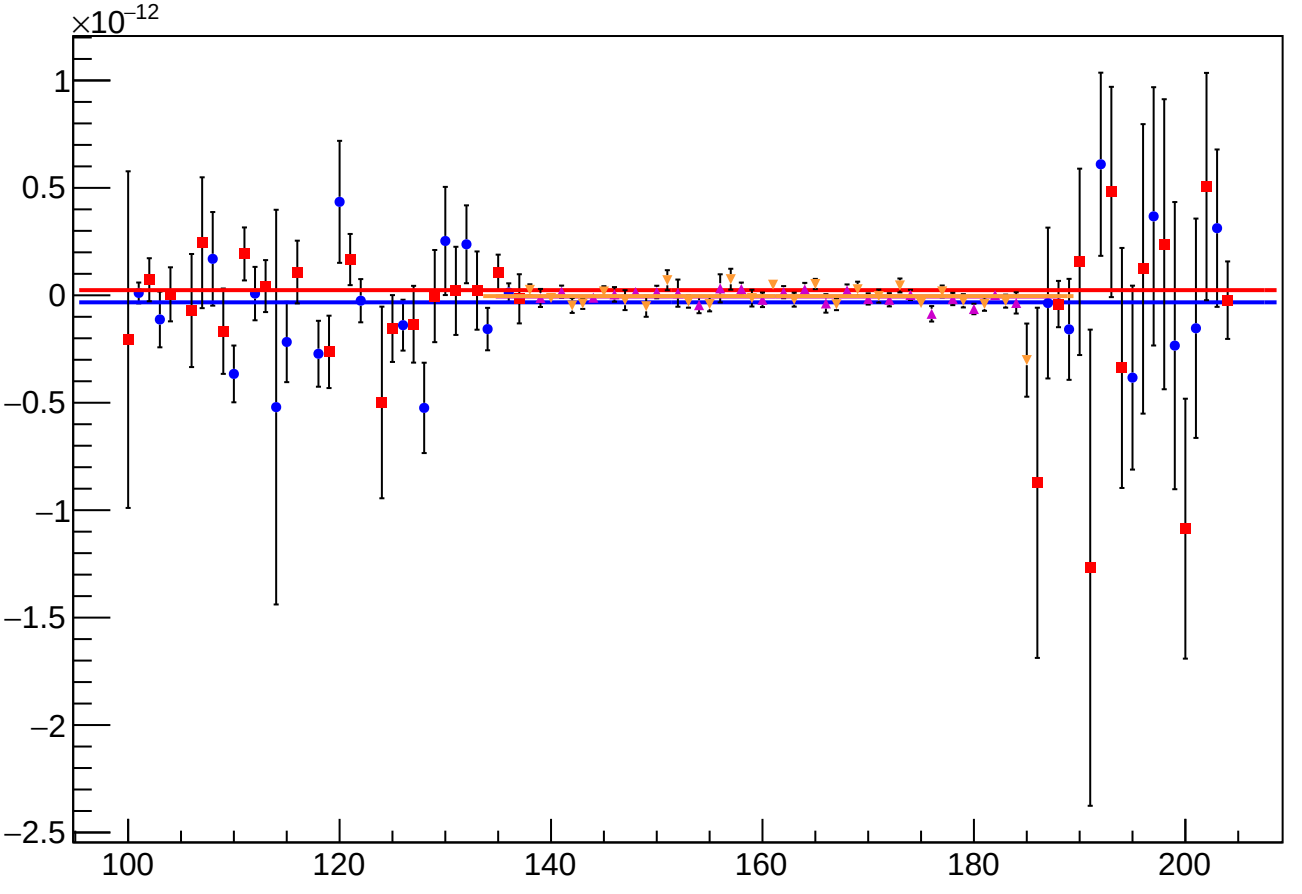
Right Out: 1840.328+/-0.352 χ^2/NDF: 3386339.5/29

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 978.374+/-0.131 χ^2/NDF: 8555165.4/48

All: 994.390+/-0.094 χ^2/NDF: 19062678.8/10

- sign 1011.324+/-0.134 χ^2/NDF: 10476550.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 32.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

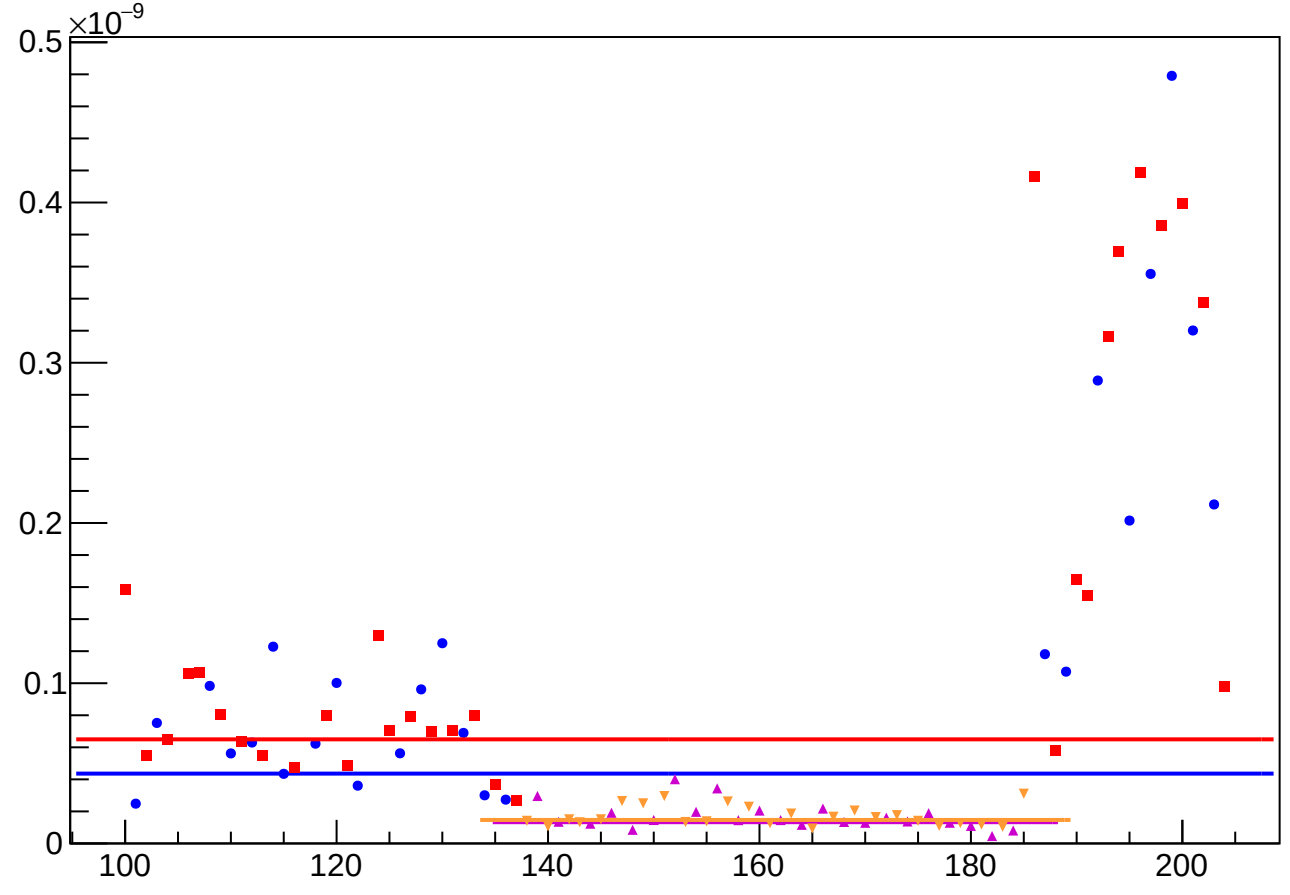
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/29

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.1/48

All: -0.000+/-0.000 χ^2/NDF: 115.4/101

- sign -0.000+/-0.000 χ^2/NDF: 43.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 5032085.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4604813.4/29

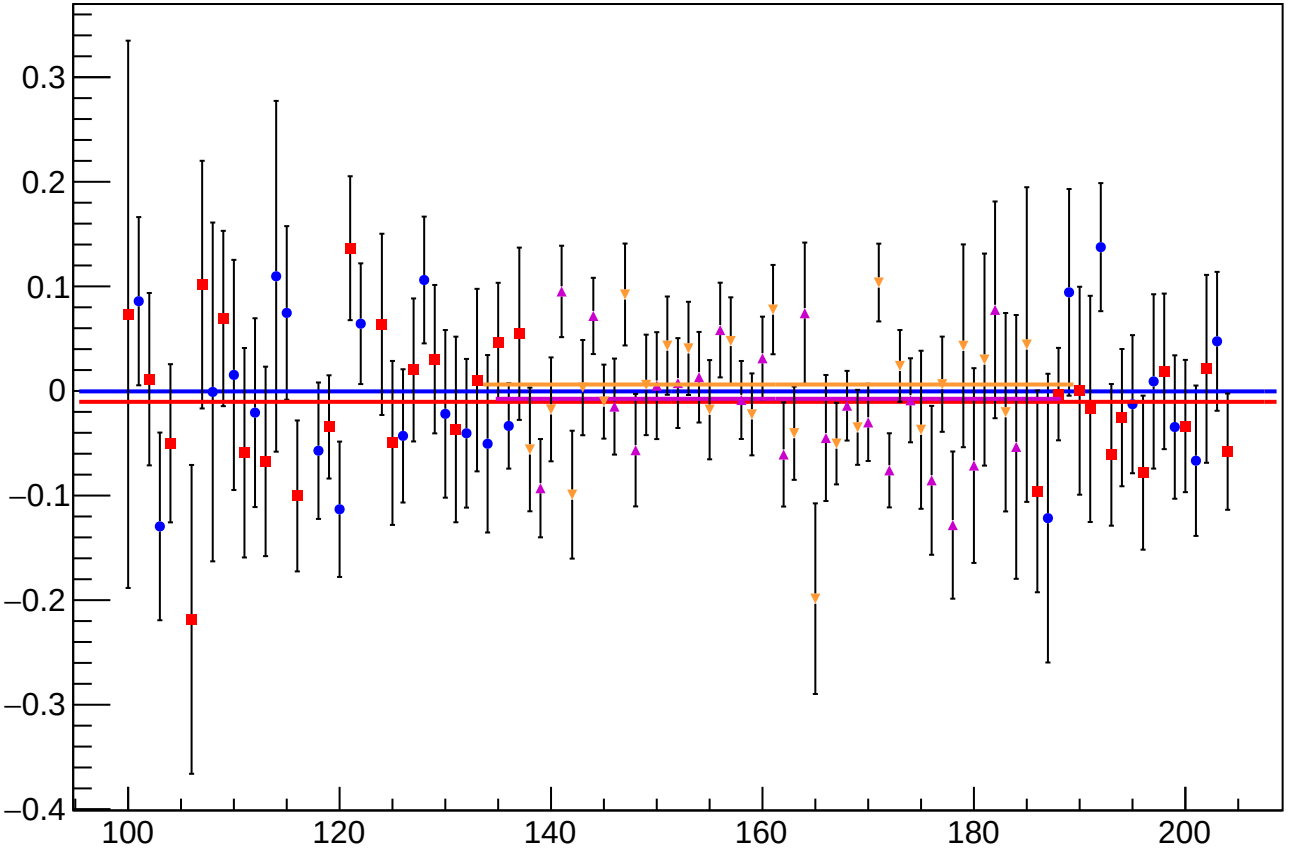
Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8708968.1/48

All: 0.000+/-0.000 χ^2/NDF: 20578526.3/101

- sign 0.000+/-0.000 χ^2/NDF: 11828402.9/52

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.015 χ^2/NDF: 22.9/23

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.010+/-0.014 χ^2/NDF: 17.9/29

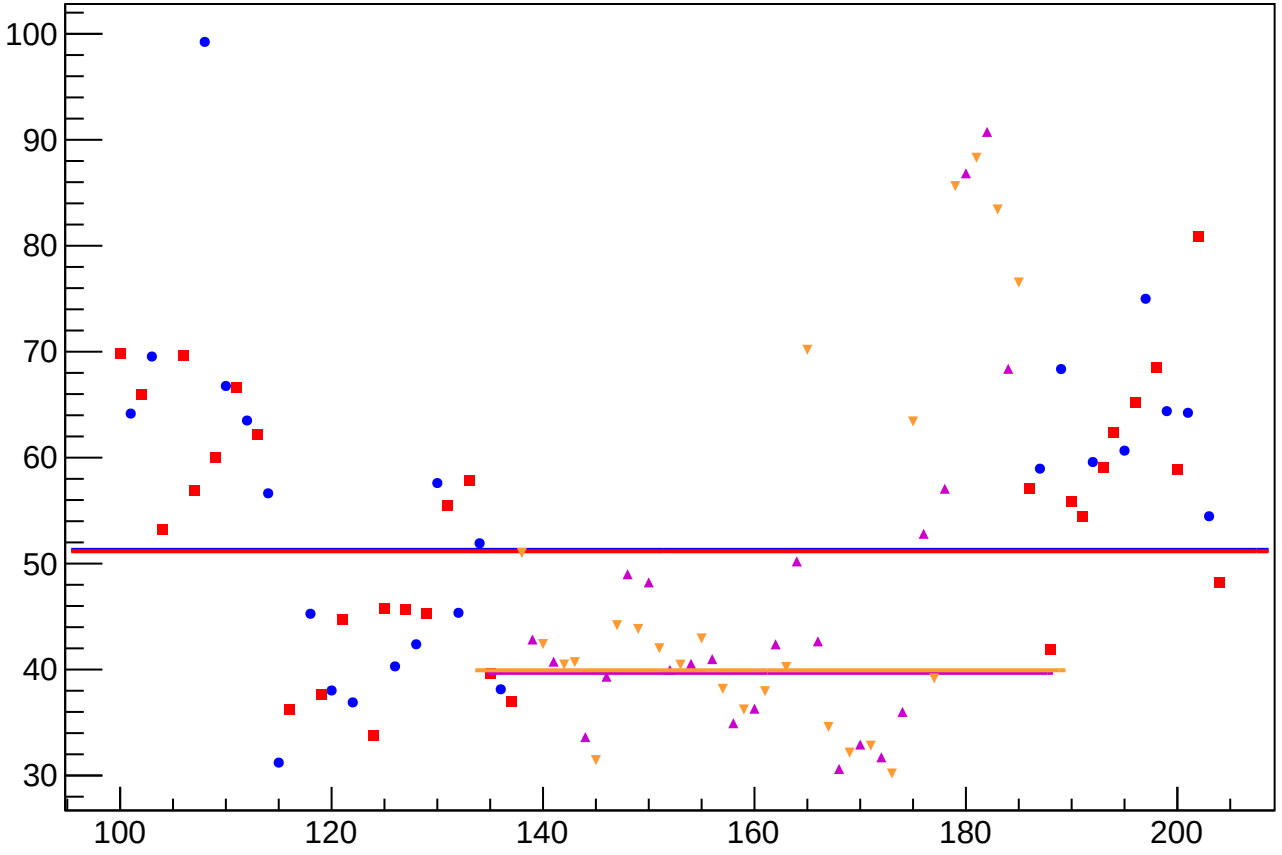
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.004+/-0.008 χ^2/NDF: 53.9/48

All: -0.002+/-0.006 χ^2/NDF: 103.6/101

- sign -0.008+/-0.008 χ^2/NDF: 48.4/52

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 51.298+/-0.011 χ^2/NDF: 1514162.3/23

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

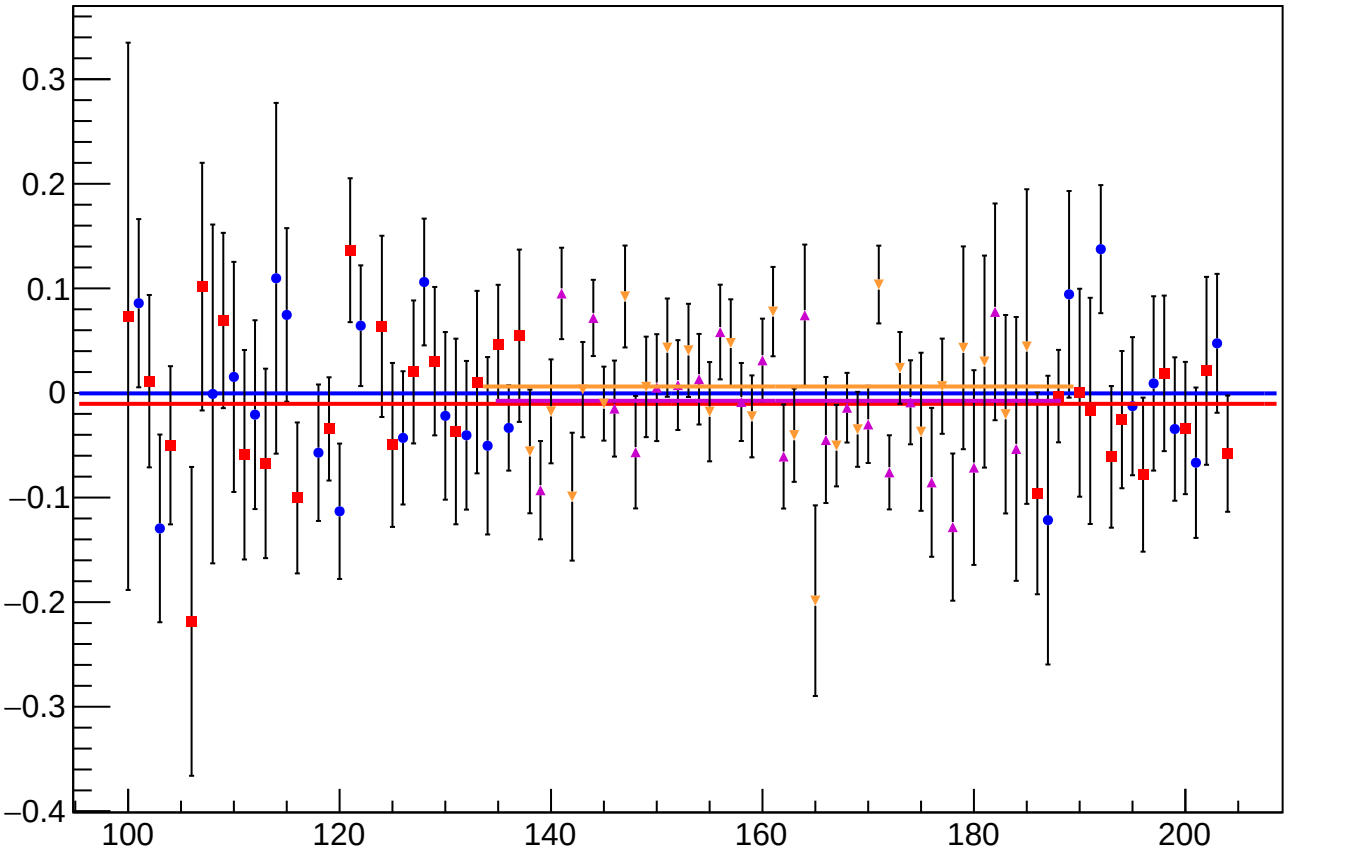
Right Out: 51.165+/-0.010 χ^2/NDF: 1361174.8/29

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.257+/-0.006 χ^2/NDF: 4815318.6/48

All: 43.421+/-0.004 χ^2/NDF: 9029787.3/101

- sign 43.580+/-0.006 χ^2/NDF: 4212837.7/52



Right In: -0.000+/-0.015 χ^2/NDF: 22.9/23

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

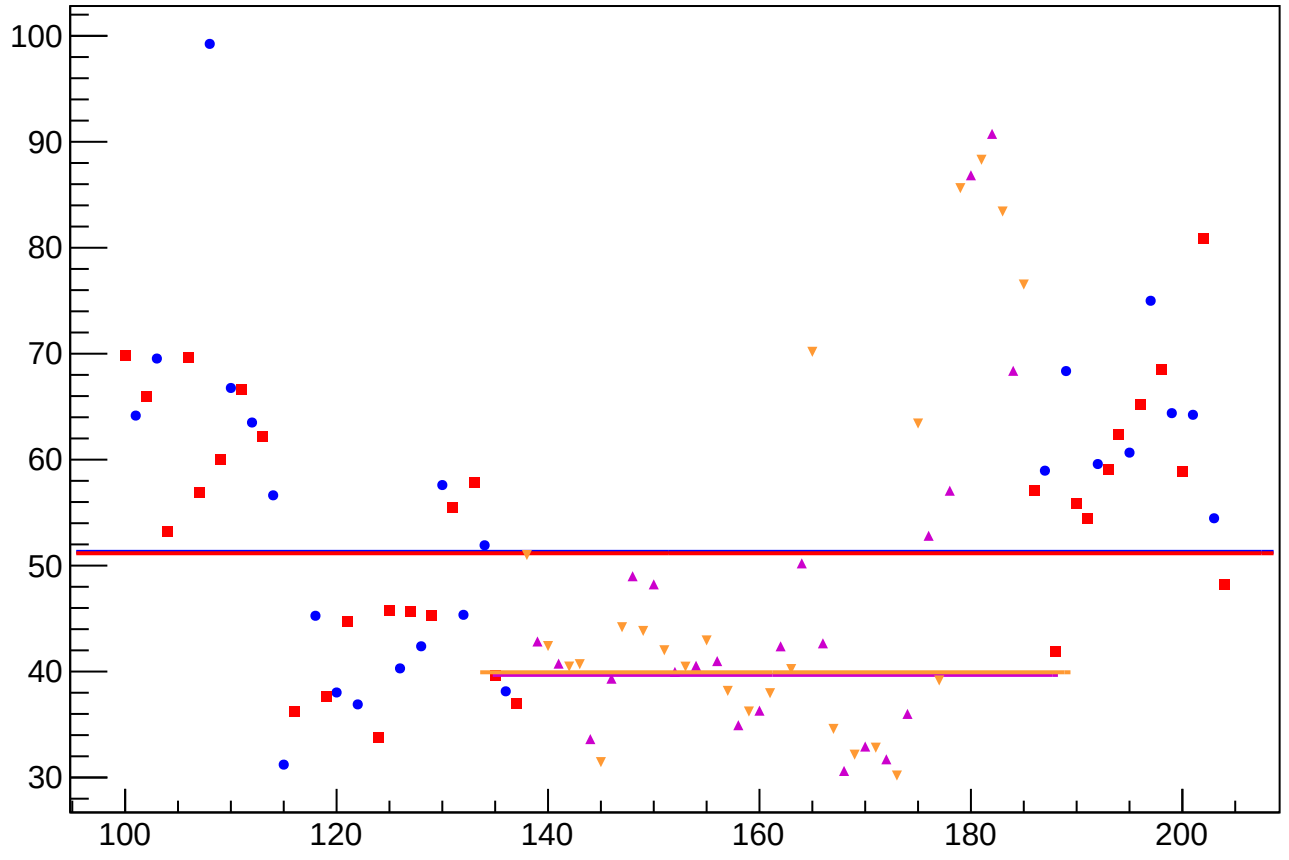
Right Out: -0.010+/-0.014 χ^2/NDF: 17.9/29

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.004+/-0.008 χ^2/NDF: 53.9/48

All: -0.002+/-0.006 χ^2/NDF: 103.6/101

- sign -0.008+/-0.008 χ^2/NDF: 48.4/52



Right In: 51.298+/-0.011 χ^2/NDF: 1514162.3/23

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

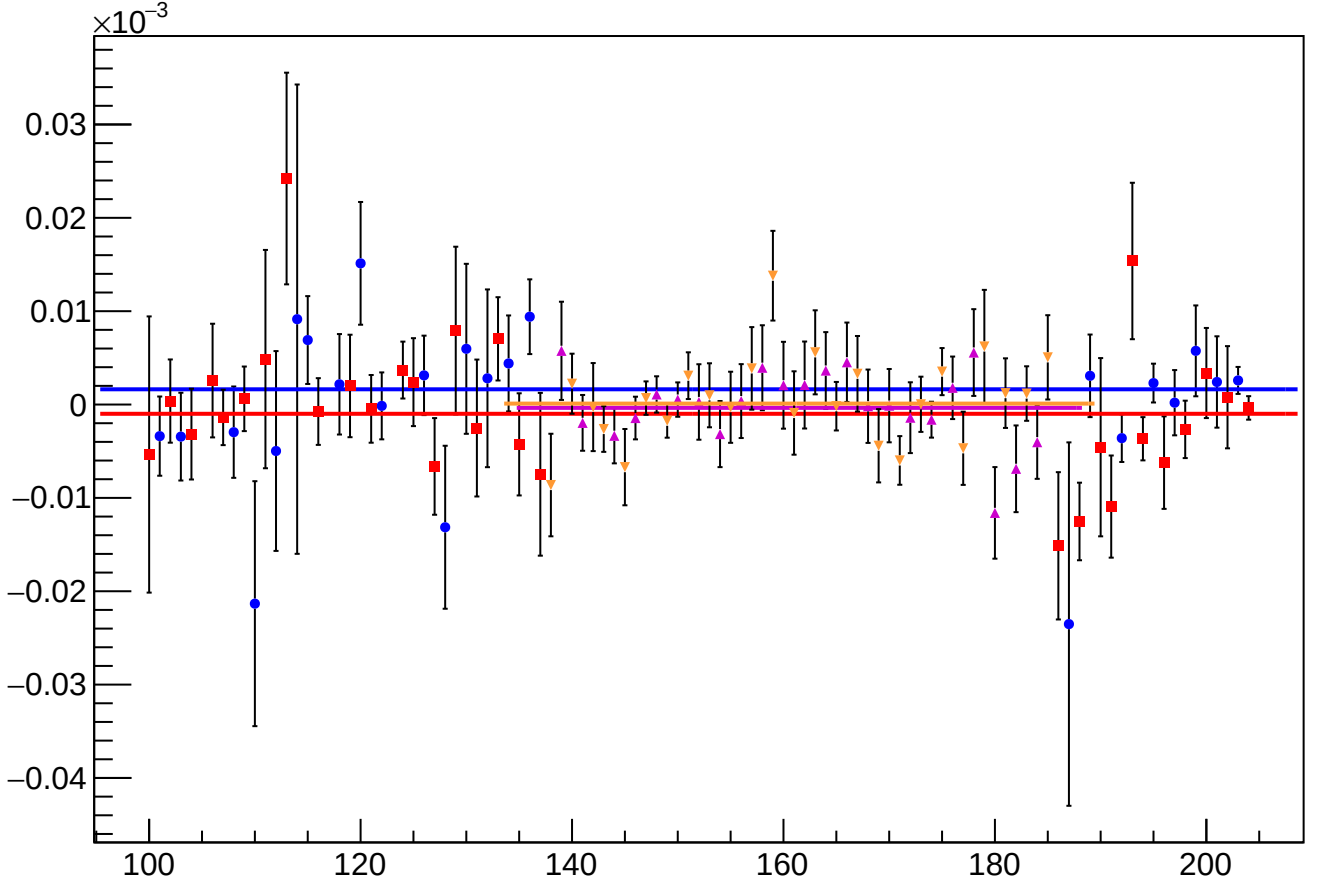
Right Out: 51.165+/-0.010 χ^2/NDF: 1361174.8/29

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.257+/-0.006 χ^2/NDF: 4815318.6/48

All: 43.421+/-0.004 χ^2/NDF: 9029787.3/101

- sign 43.580+/-0.006 χ^2/NDF: 4212837.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

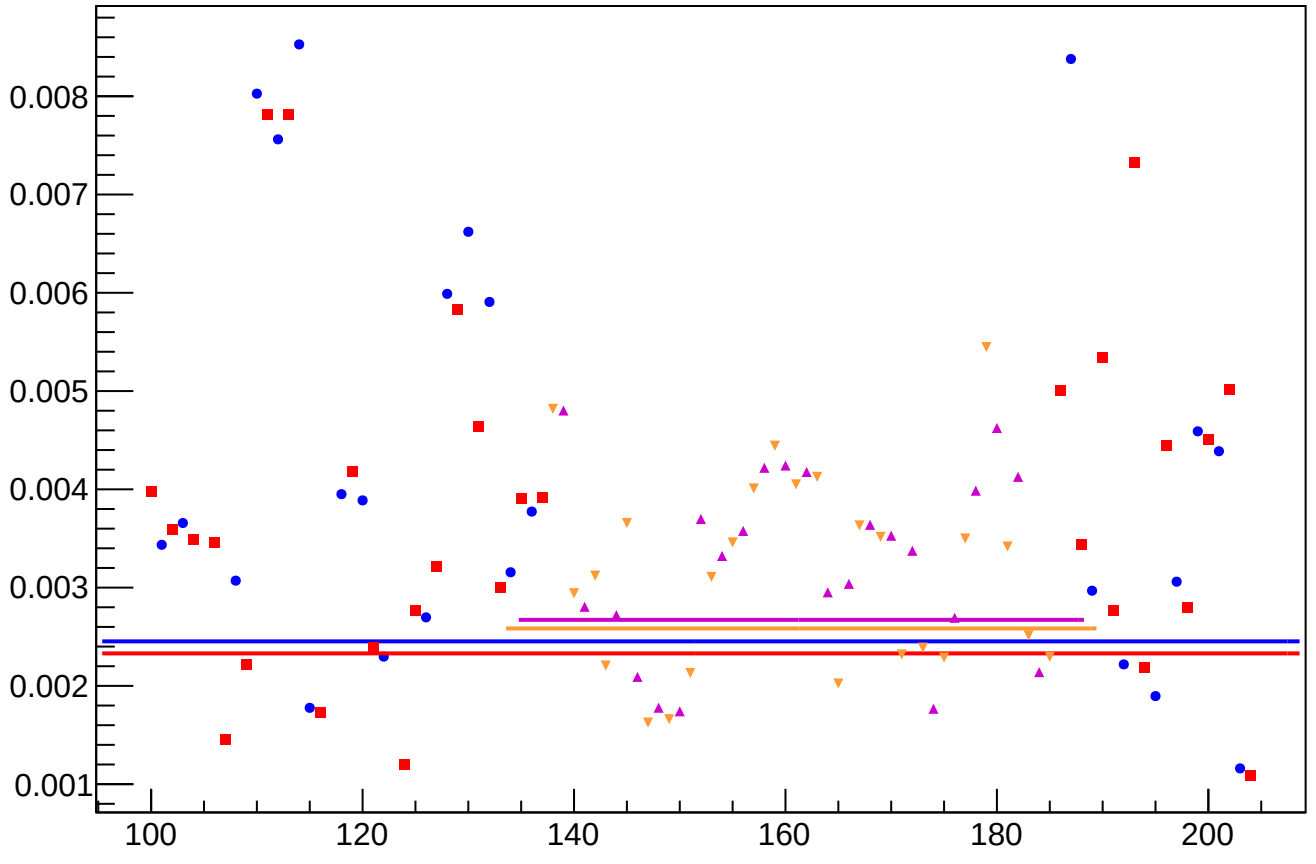
Right Out: -0.000+/-0.000 χ^2/NDF: 37.8/29

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.9/48

All: 0.000+/-0.000 χ^2/NDF: 123.7/101

- sign -0.000+/-0.000 χ^2/NDF: 56.9/52



Right In: 0.002+/-0.000 χ^2/NDF: 5503250.6/23

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

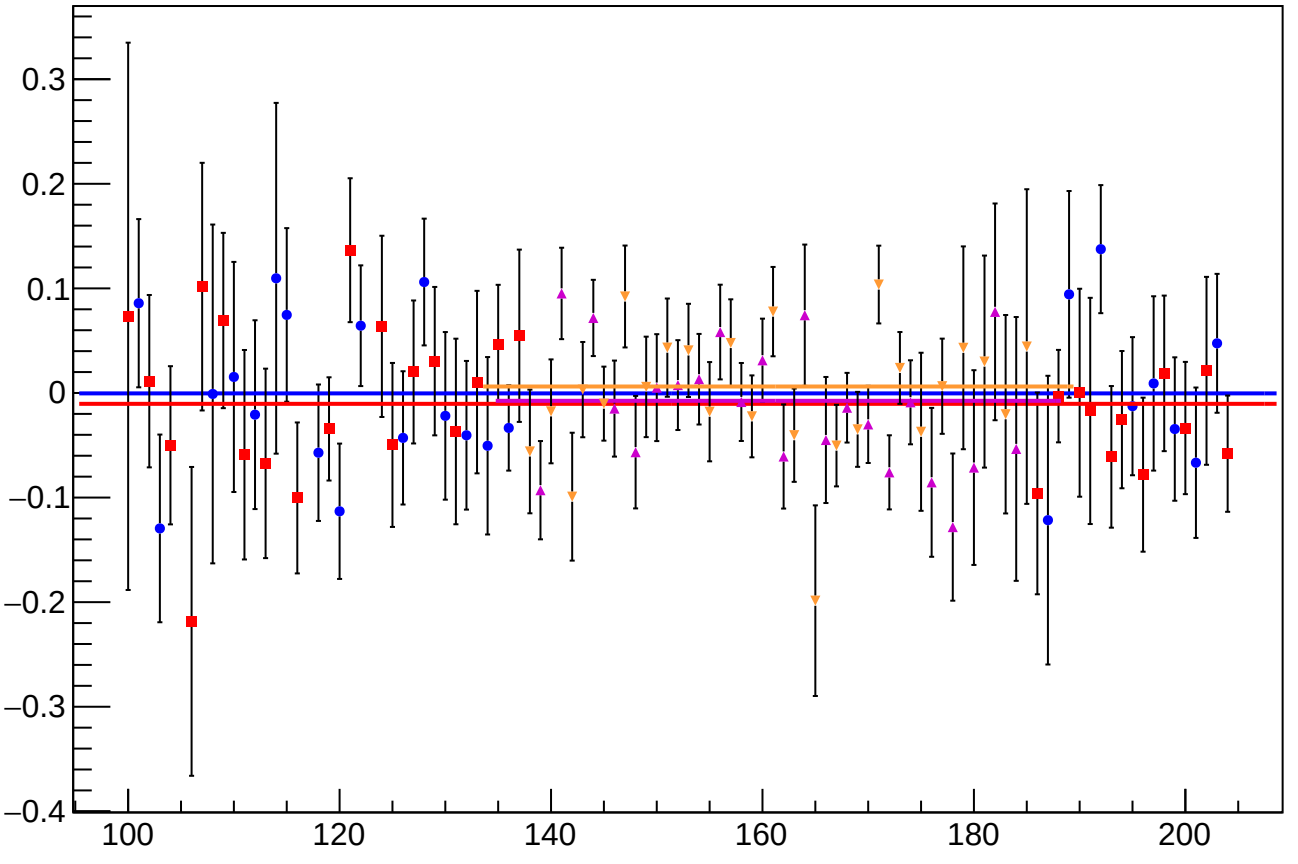
Right Out: 0.002+/-0.000 χ^2/NDF: 7425787.2/29

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 9430051.8/48

All: 0.003+/-0.000 χ^2/NDF: 20930703.3/101

- sign 0.003+/-0.000 χ^2/NDF: 11498335.4/52



Right In: -0.000+/-0.015 χ^2/NDF: 22.9/23

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

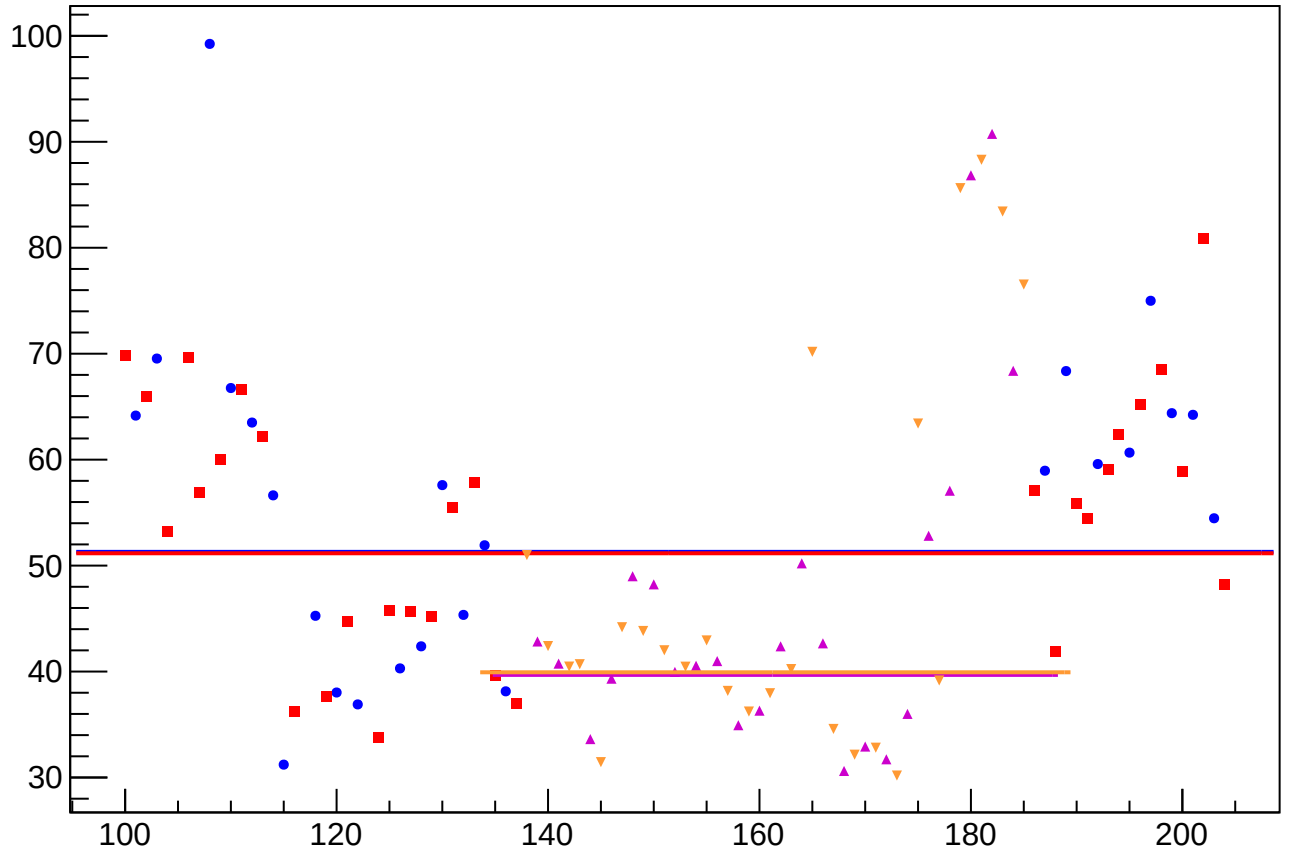
Right Out: -0.010+/-0.014 χ^2/NDF: 17.9/29

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.004+/-0.008 χ^2/NDF: 53.9/48

All: -0.002+/-0.006 χ^2/NDF: 103.6/101

- sign -0.008+/-0.008 χ^2/NDF: 48.4/52



Right In: 51.296+/-0.011 χ^2/NDF: 1514218.5/23

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

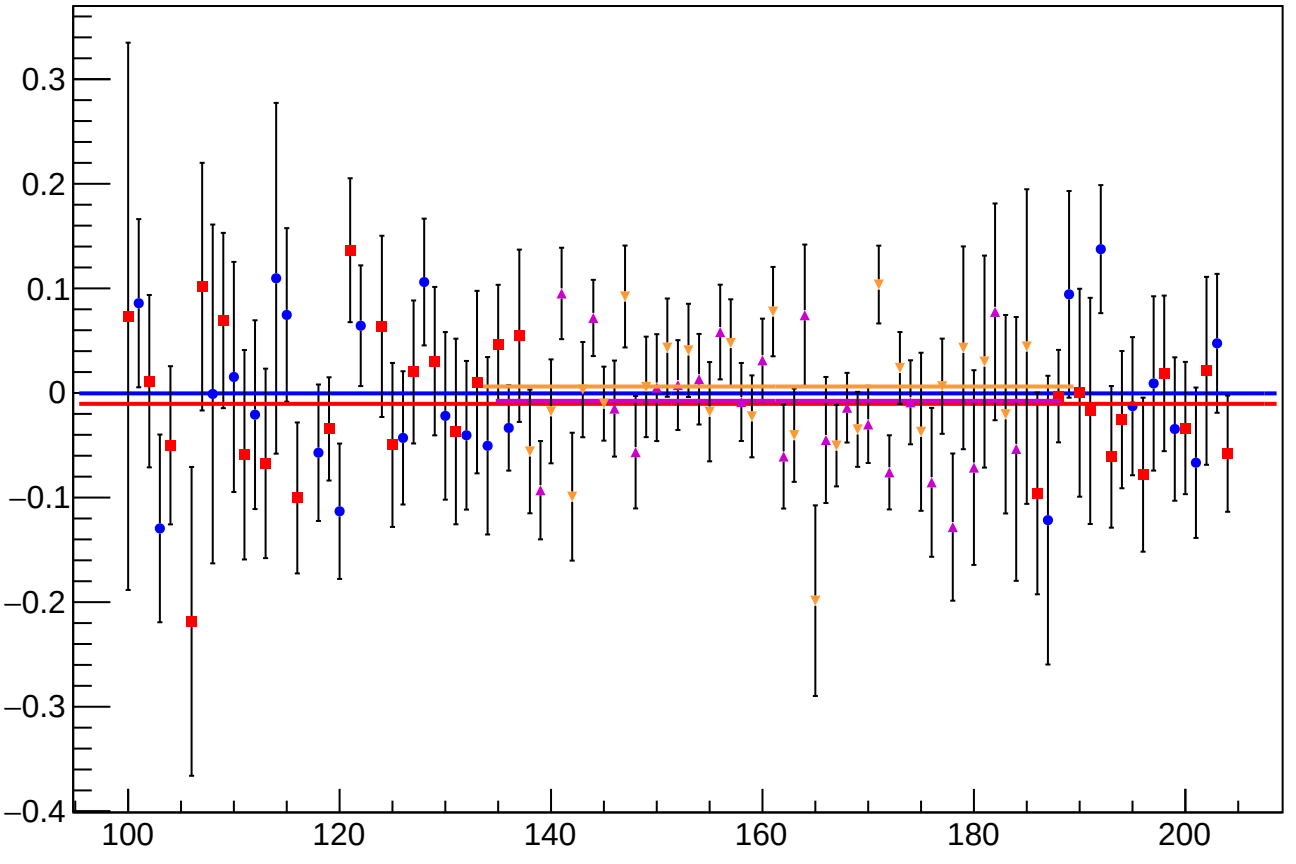
Right Out: 51.164+/-0.010 χ^2/NDF: 1361209.8/29

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 43.257+/-0.006 χ^2/NDF: 4815228.3/48

All: 43.421+/-0.004 χ^2/NDF: 9029694.6/101

- sign 43.580+/-0.006 χ^2/NDF: 4212836.4/52



Right In: -0.000+/-0.015 χ^2/NDF: 22.9/23

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

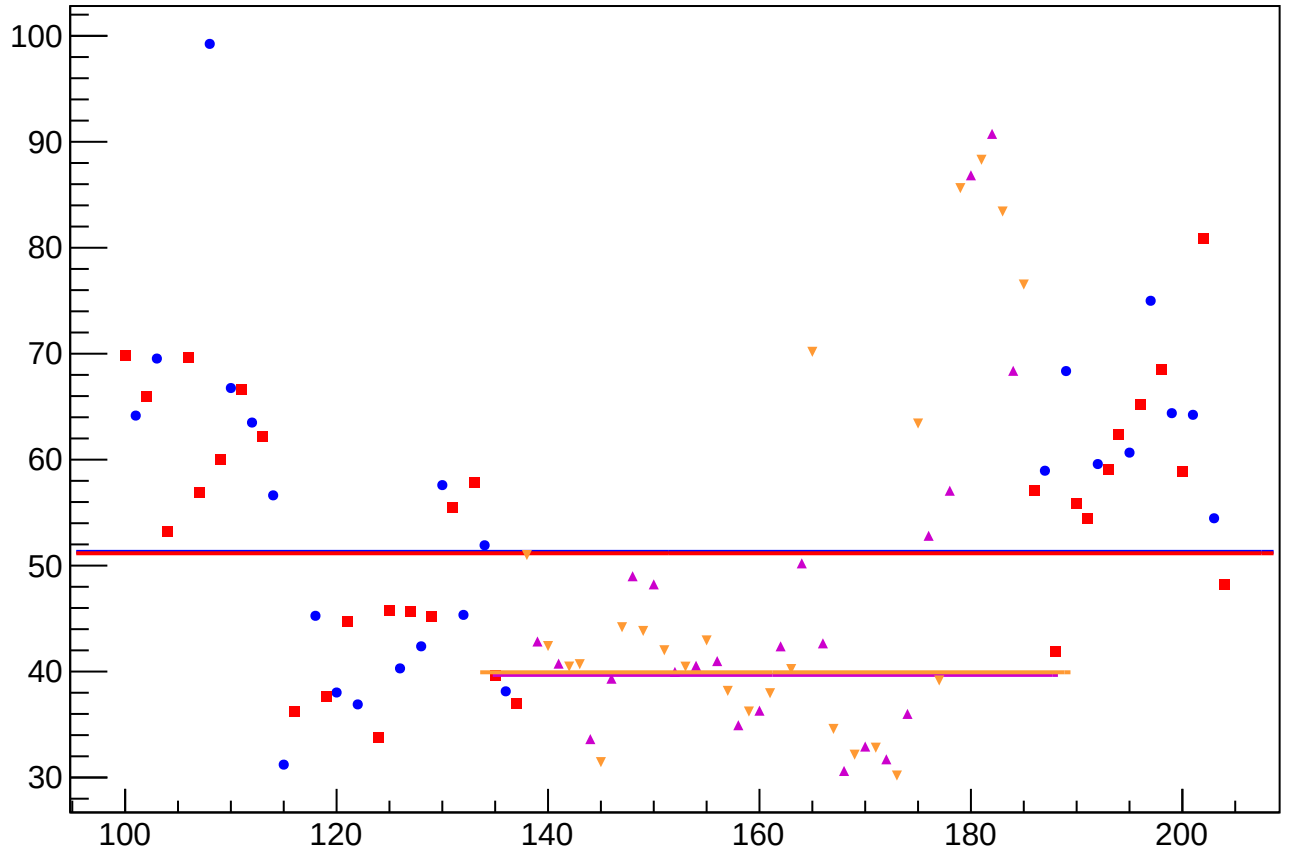
Right Out: -0.010+/-0.014 χ^2/NDF: 17.9/29

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.004+/-0.008 χ^2/NDF: 53.9/48

All: -0.002+/-0.006 χ^2/NDF: 103.6/101

- sign -0.008+/-0.008 χ^2/NDF: 48.4/52



Right In: 51.296+/-0.011 χ^2/NDF: 1514218.5/23

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

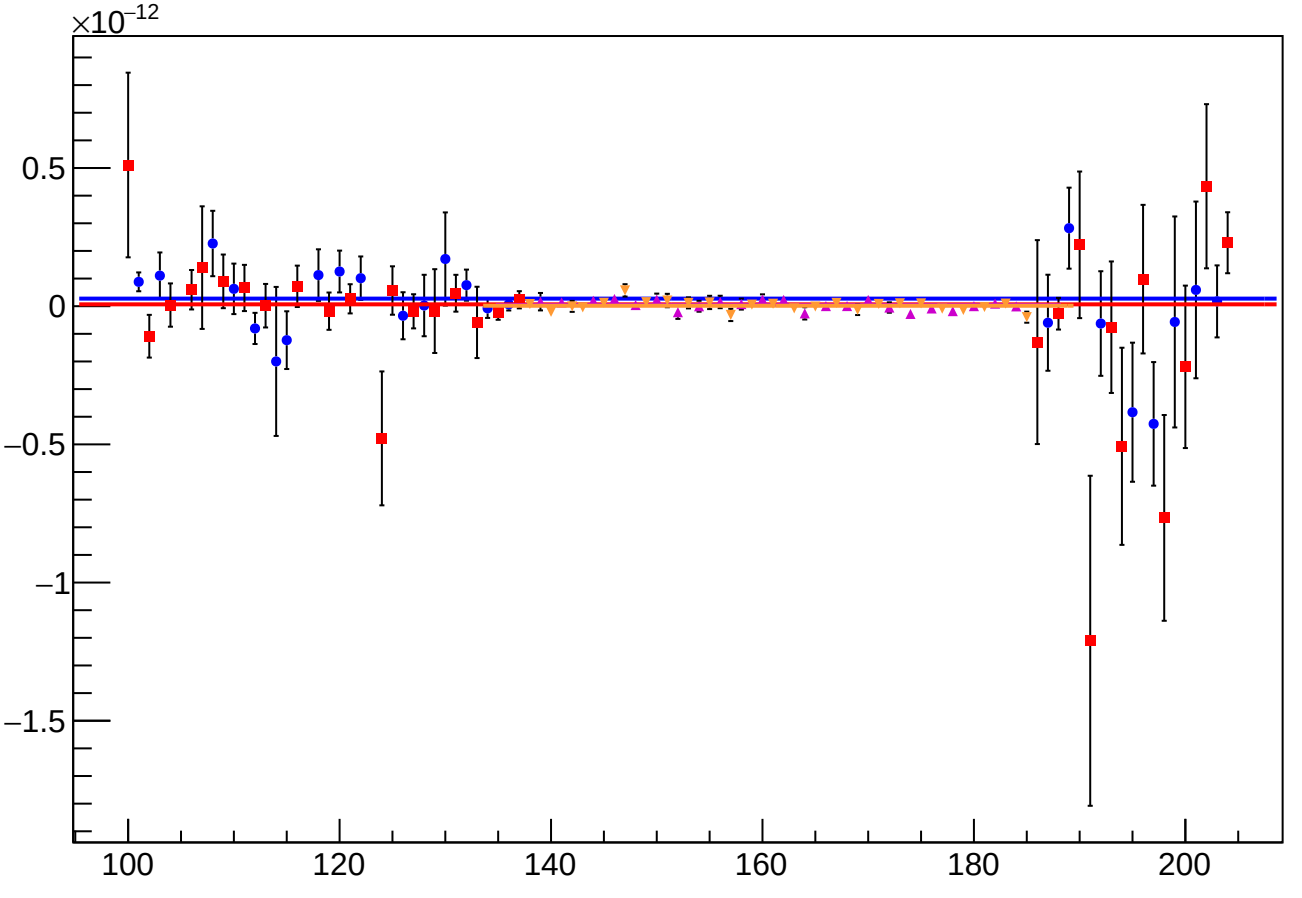
Right Out: 51.164+/-0.010 χ^2/NDF: 1361209.8/29

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 43.257+/-0.006 χ^2/NDF: 4815228.3/48

All: 43.421+/-0.004 χ^2/NDF: 9029694.6/101

- sign 43.580+/-0.006 χ^2/NDF: 4212836.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 31.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

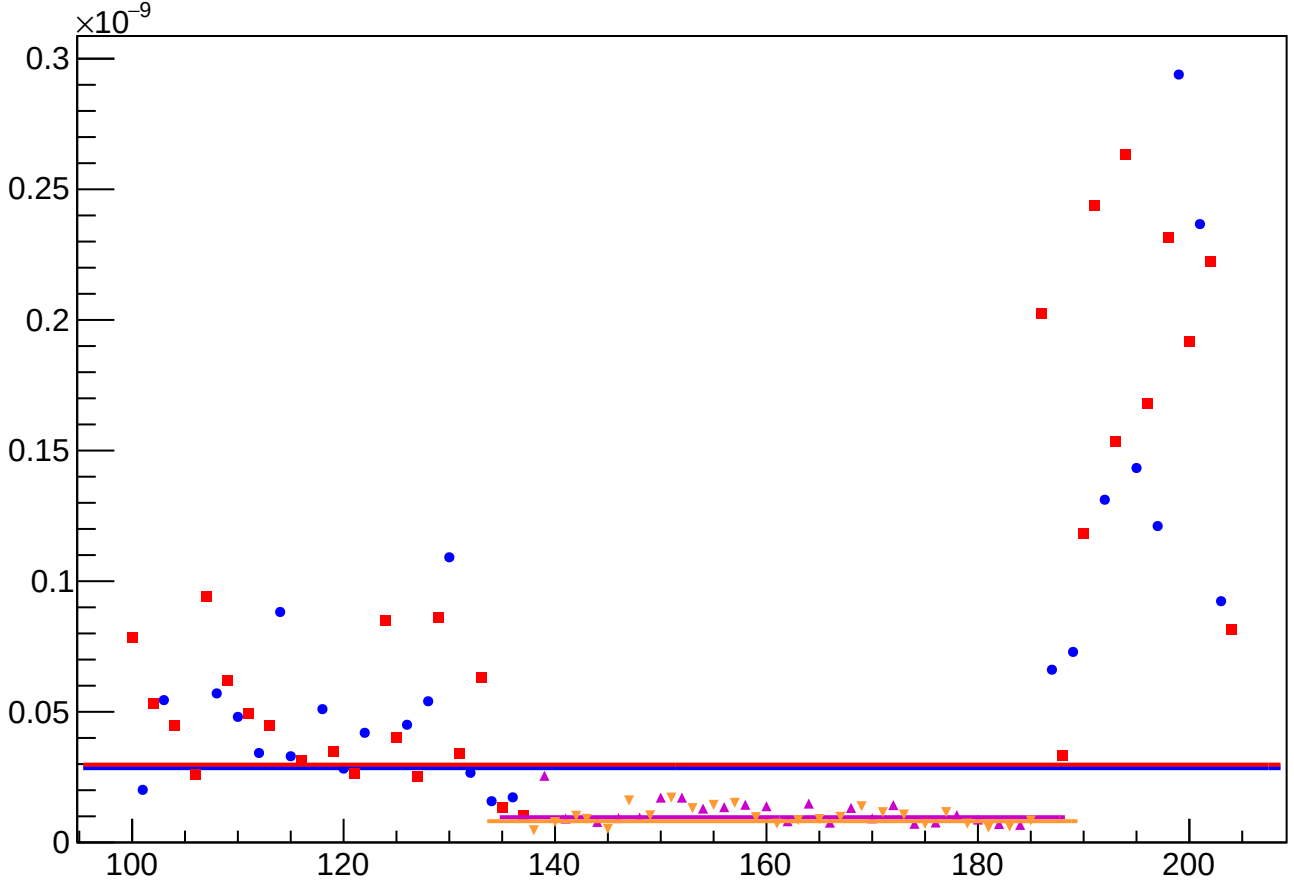
Right Out: 0.000+/-0.000 χ^2/NDF: 32.9/29

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.9/48

All: 0.000+/-0.000 χ^2/NDF: 123.5/101

- sign 0.000+/-0.000 χ^2/NDF: 60.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 6155412.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8279923.7/29

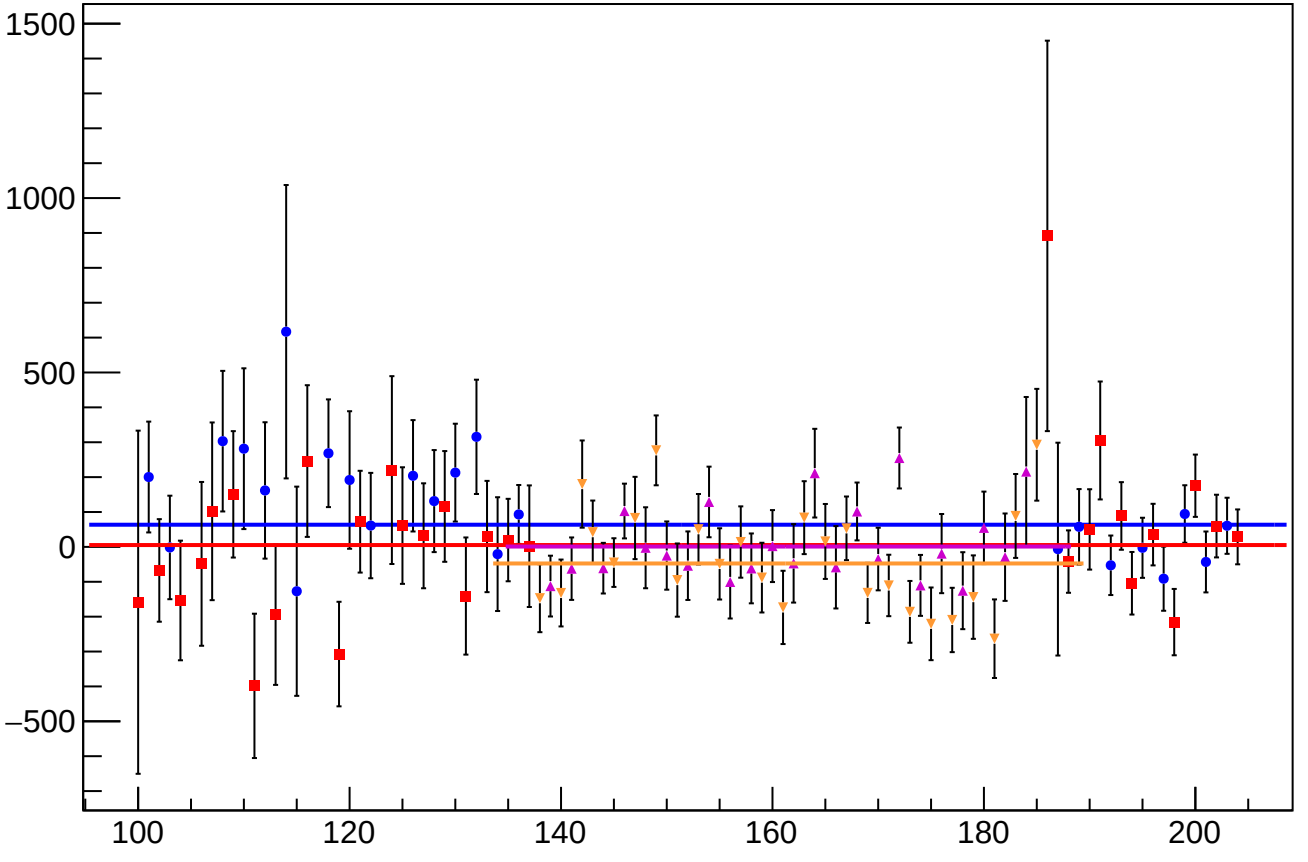
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13026816.0/48

All: 0.000+/-0.000 χ^2/NDF: 27923882.9/101

- sign 0.000+/-0.000 χ^2/NDF: 14505977.1/52

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 63.572+/-25.361 χ^2/NDF: 19.7/23

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 5.303+/-23.968 χ^2/NDF: 32.6/29

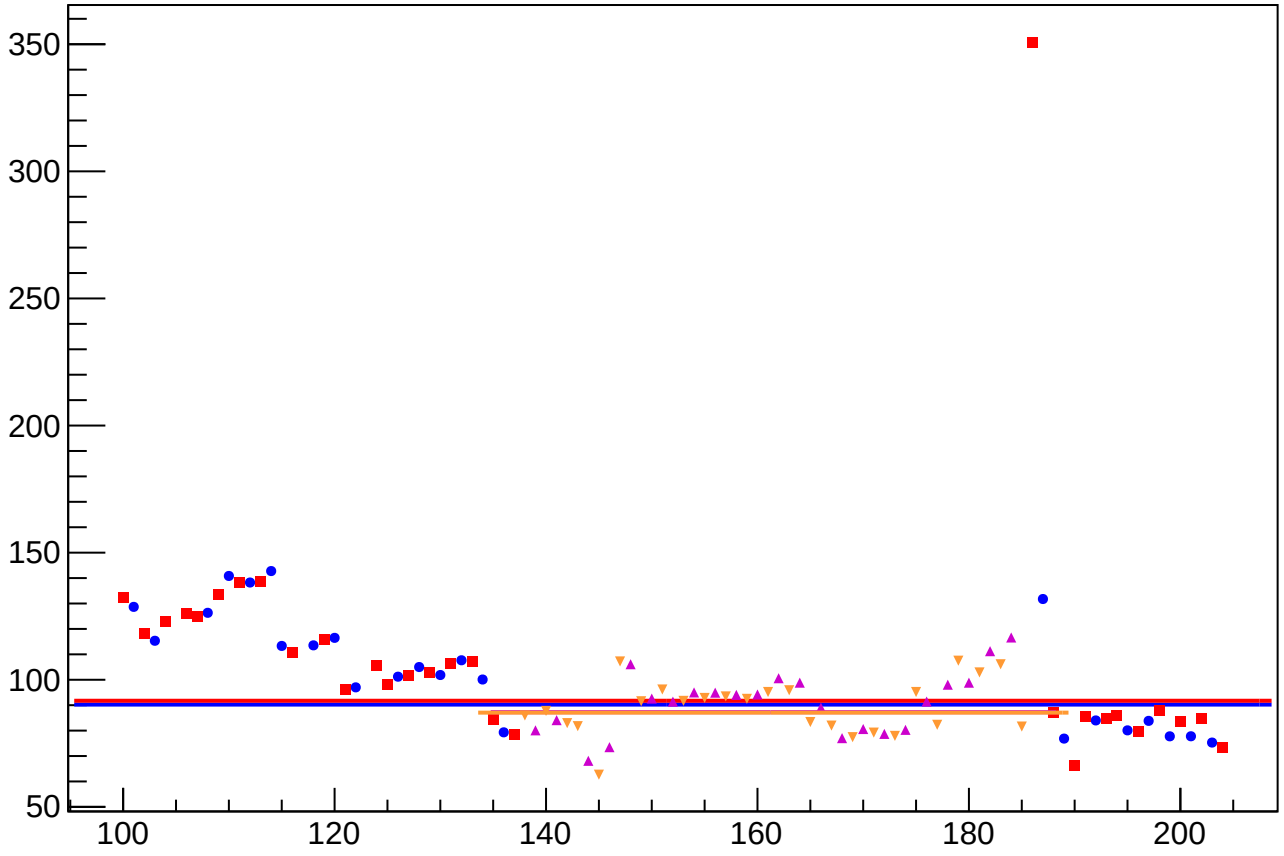
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -4.969+/-15.696 χ^2/NDF: 75.5/48

All: -1.056+/-11.073 χ^2/NDF: 133.7/101

- sign 2.821+/-15.624 χ^2/NDF: 58.1/52

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 90.239+/-0.018 χ^2/NDF: 962131.4/23

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 91.745+/-0.017 χ^2/NDF: 1423342.3/29

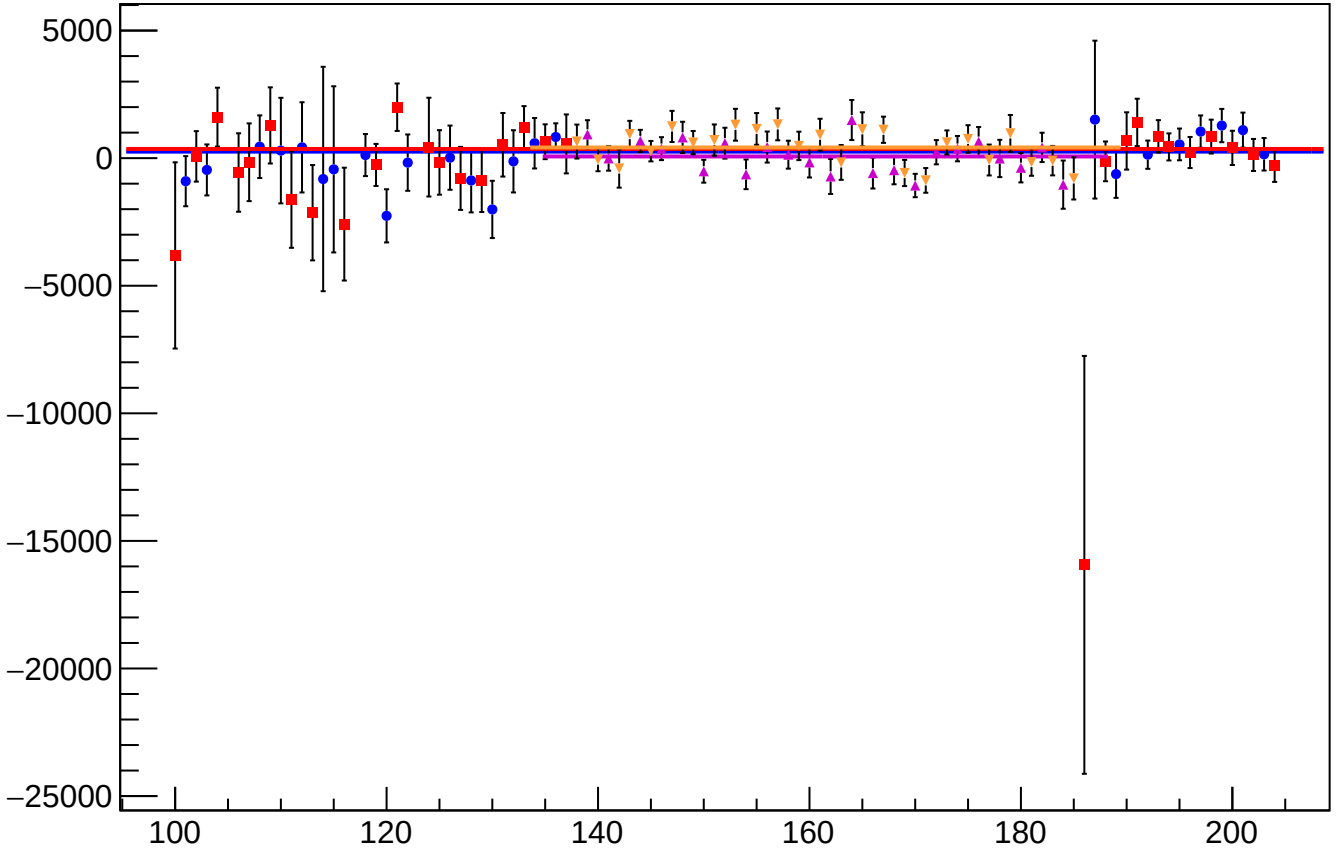
Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 88.285+/-0.011 χ^2/NDF: 1602002.1/48

All: 88.727+/-0.008 χ^2/NDF: 3664632.3/101

- sign 89.164+/-0.011 χ^2/NDF: 2059477.7/52

asym_sam_26_48_dd_reg_correction_mean vs Slug



Right In: 256.450+/-181.350 χ^2/NDF: 21.2/23

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 359.551+/-167.959 χ^2/NDF: 23.1/29

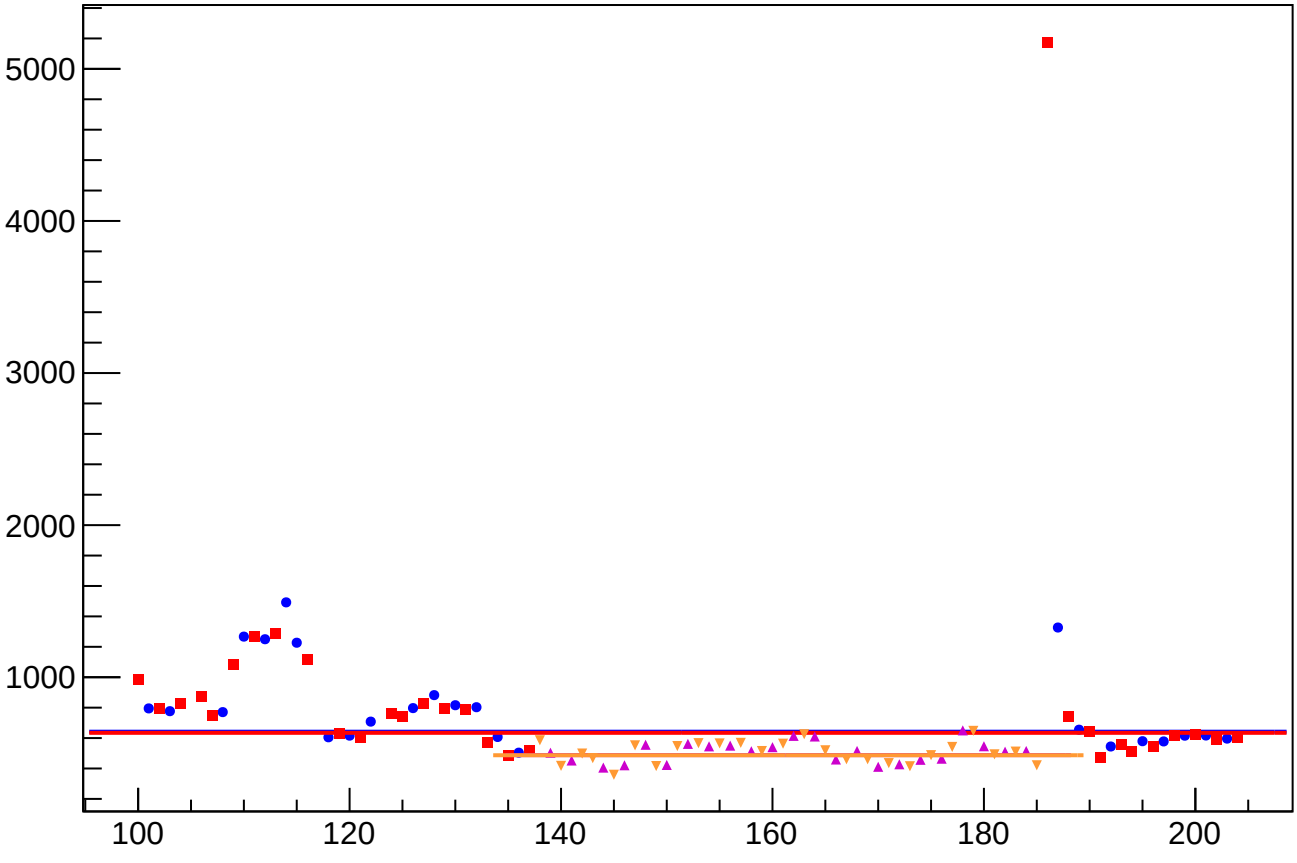
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 372.063+/-95.499 χ^2/NDF: 54.2/48

All: 265.925+/-67.395 χ^2/NDF: 109.3/101

- sign 160.617+/-95.124 χ^2/NDF: 52.6/52

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 641.861+/-0.128 χ^2/NDF: 1217226.4/23

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 634.521+/-0.119 χ^2/NDF: 2110697.3/29

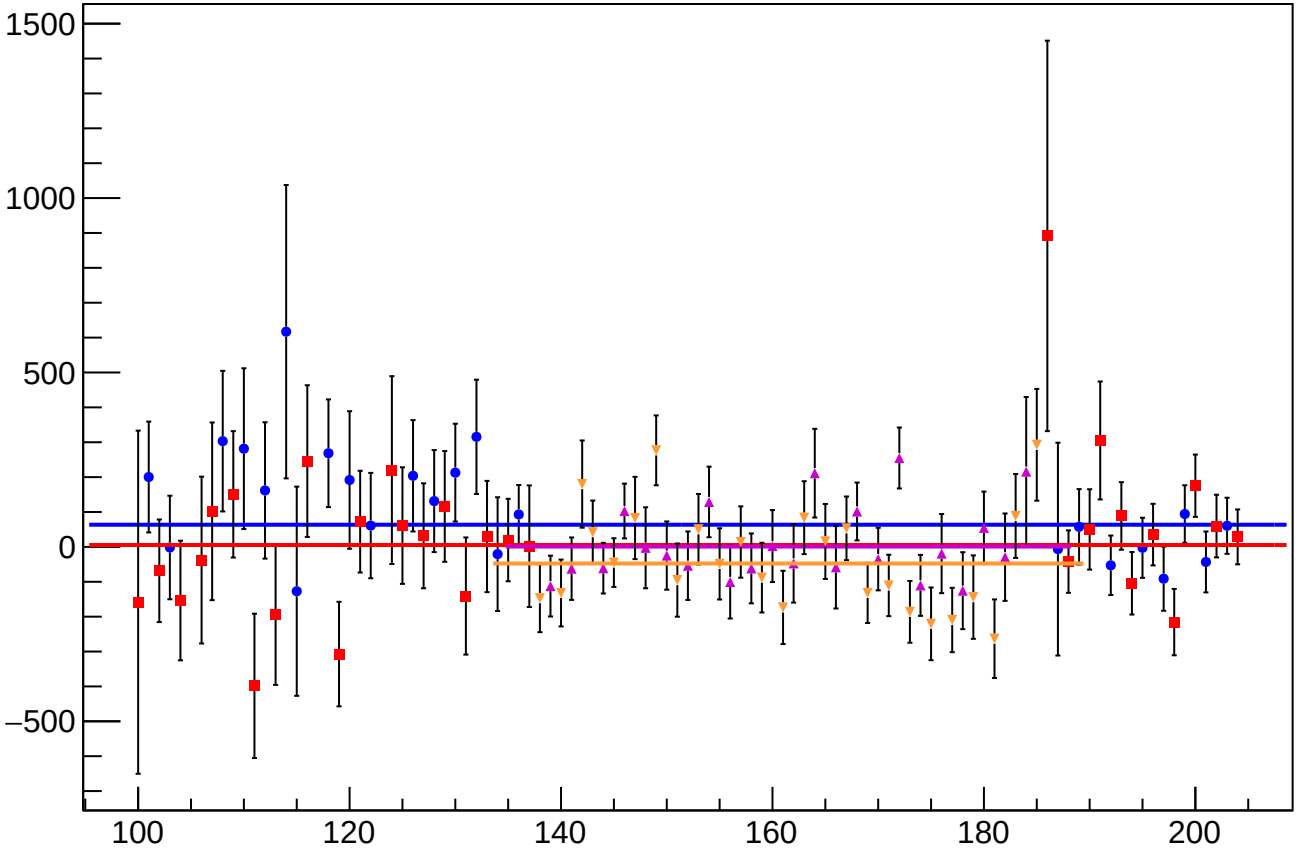
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 530.002+/-0.068 χ^2/NDF: 3091375.1/48

All: 532.486+/-0.048 χ^2/NDF: 6873849.8/101

- sign 534.950+/-0.067 χ^2/NDF: 3779779.7/52

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 63.563+/-25.361 χ^2/NDF: 19.7/23

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 5.407+/-23.972 χ^2/NDF: 32.6/29

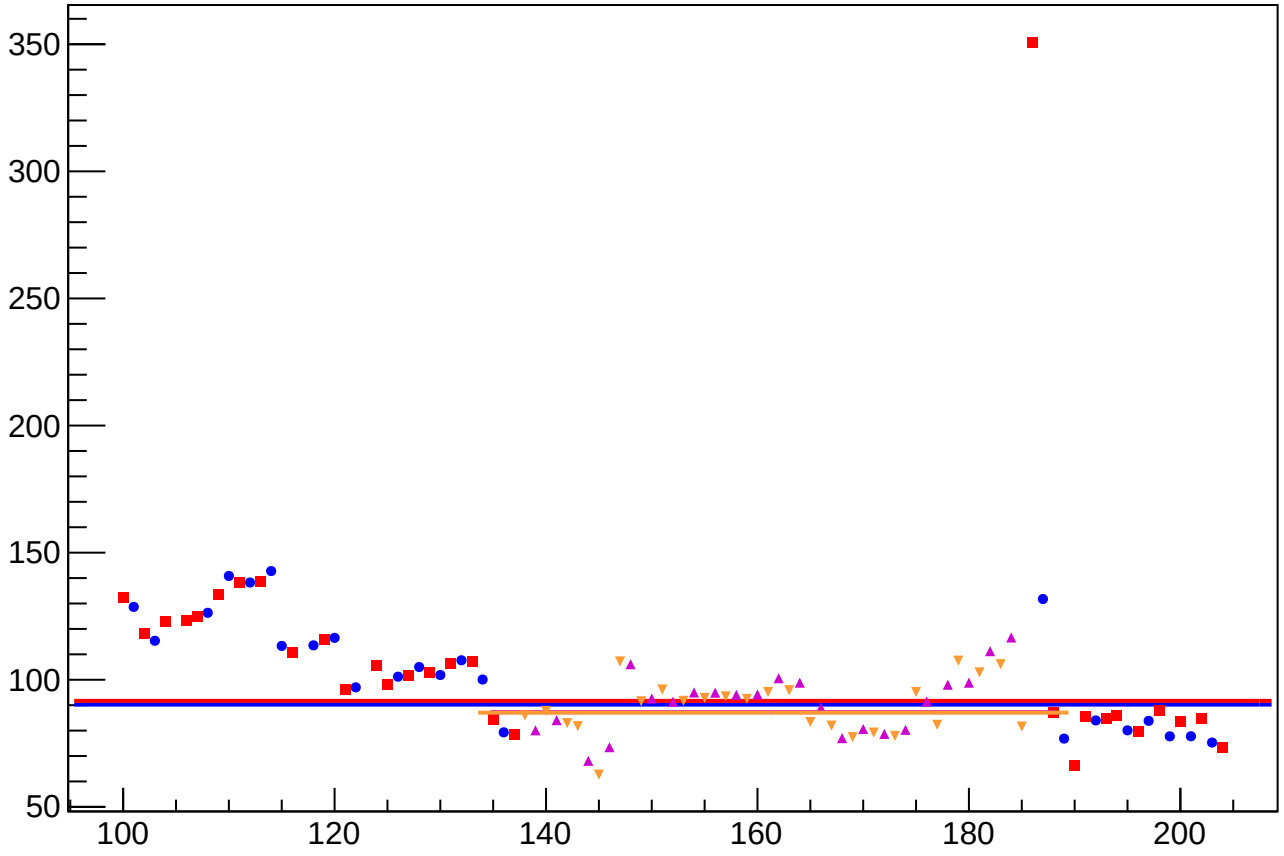
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -4.977+/-15.696 χ^2/NDF: 75.5/48

All: -1.038+/-11.074 χ^2/NDF: 133.7/101

- sign 2.865+/-15.625 χ^2/NDF: 58.1/52

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 90.239+/-0.018 χ^2/NDF: 962131.8/23

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

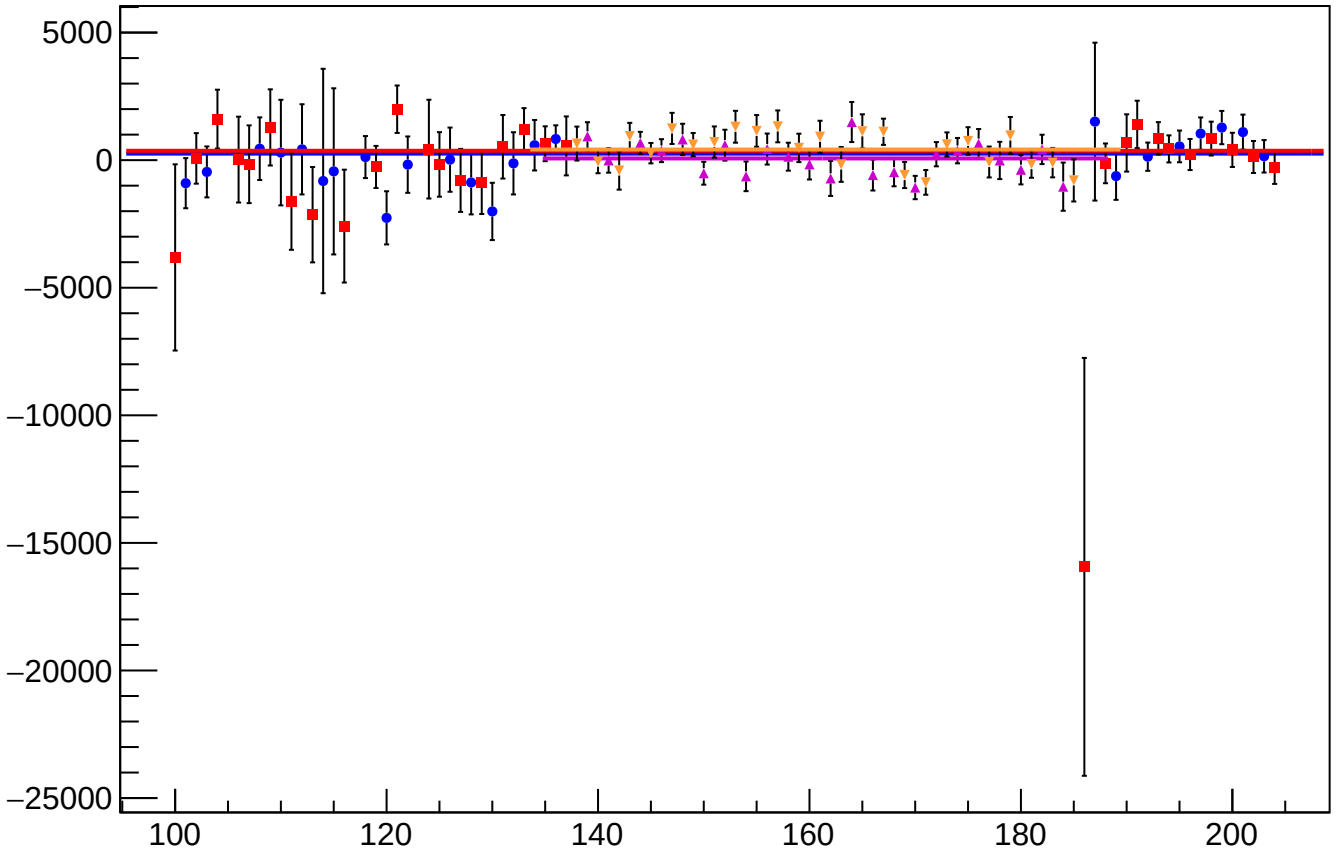
Right Out: 91.705+/-0.017 χ^2/NDF: 1415412.9/29

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 88.285+/-0.011 χ^2/NDF: 1602002.5/48

All: 88.718+/-0.008 χ^2/NDF: 3655836.1/101

- sign 89.146+/-0.011 χ^2/NDF: 2050807.8/52



Right In: 256.450+/-181.350 χ^2/NDF: 21.2/23

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 367.208+/-168.128 χ^2/NDF: 22.7/29

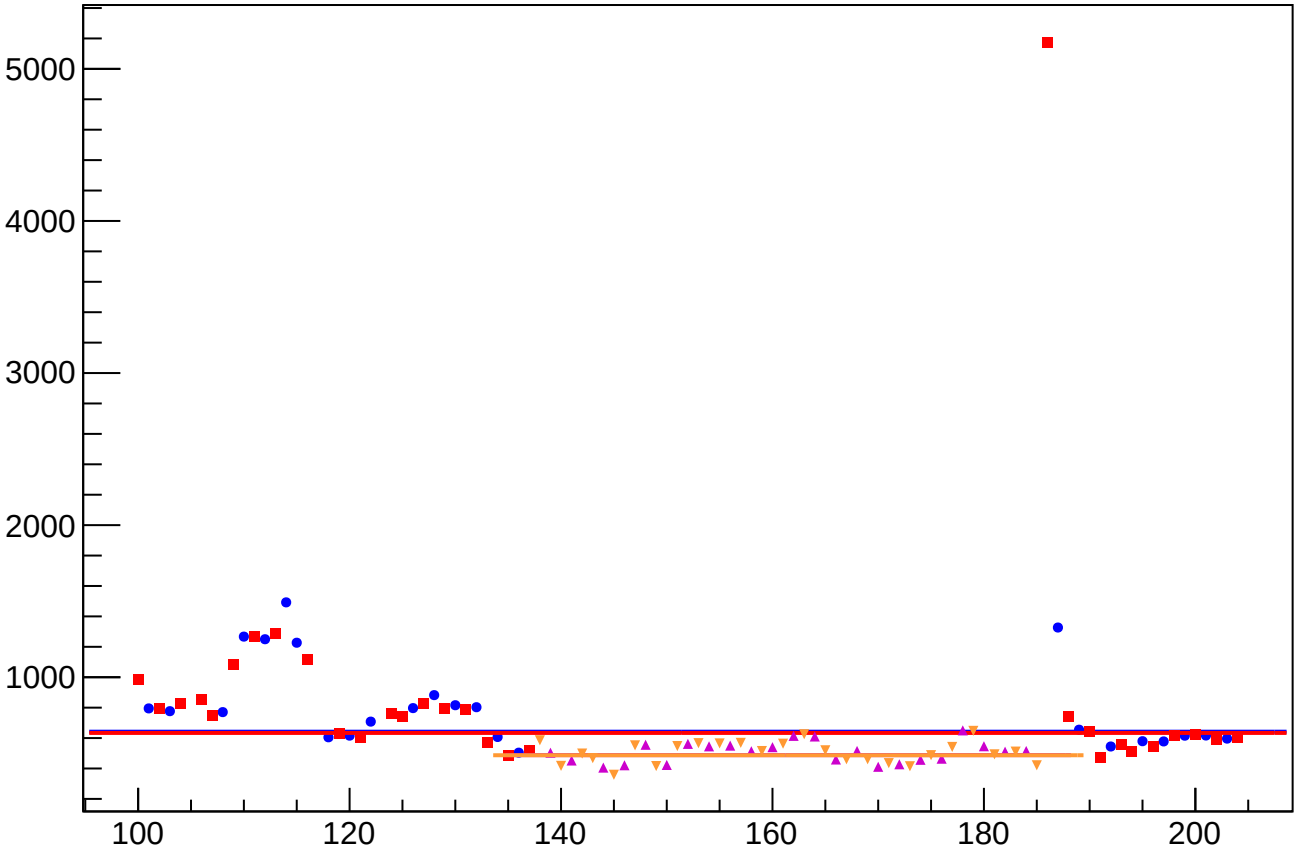
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 372.057+/-95.499 χ^2/NDF: 54.2/48

All: 267.122+/-67.406 χ^2/NDF: 109.0/101

- sign 162.940+/-95.155 χ^2/NDF: 52.4/52

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 641.861+/-0.128 χ^2/NDF: 1217238.5/23

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 633.851+/-0.119 χ^2/NDF: 2096277.9/29

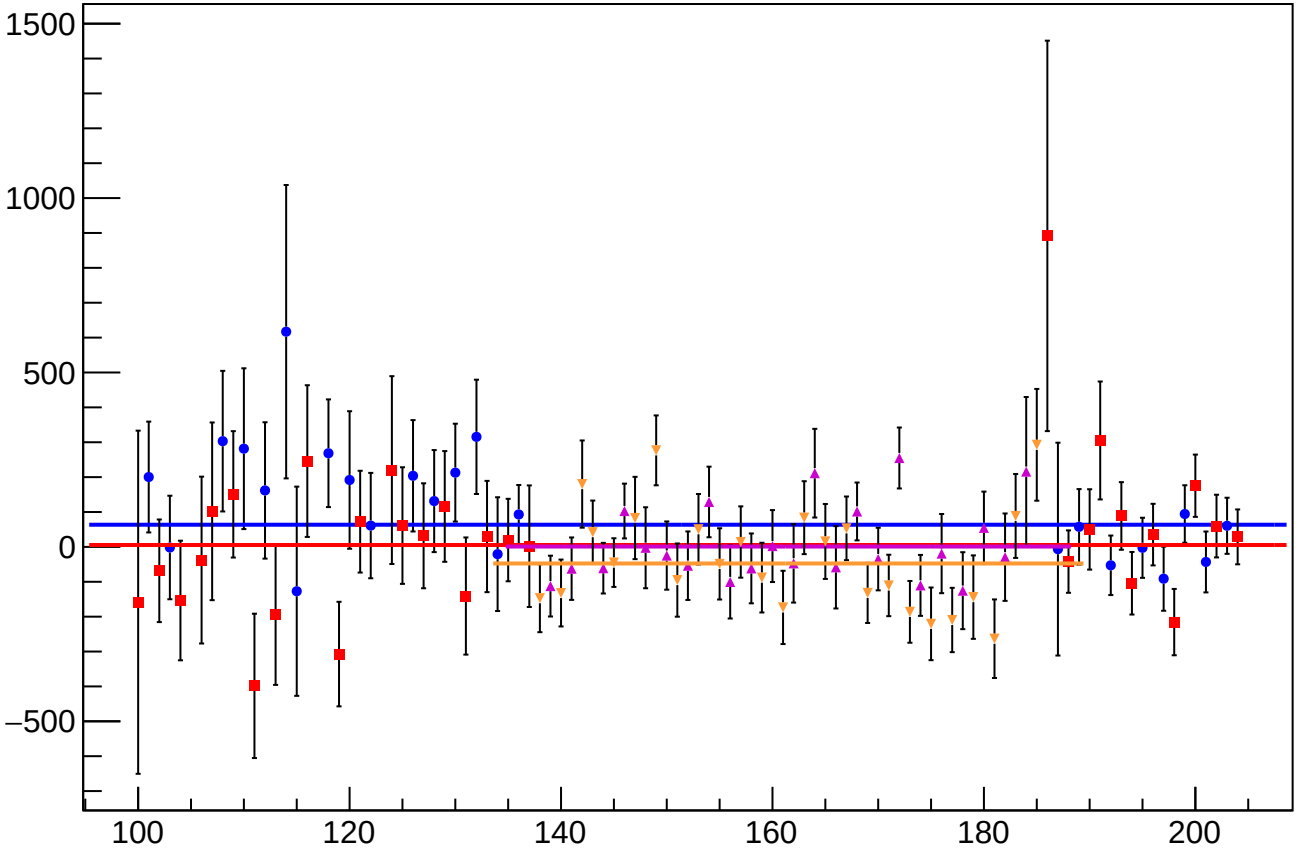
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 530.002+/-0.068 χ^2/NDF: 3091380.6/48

All: 532.345+/-0.048 χ^2/NDF: 6848305.7/101

- sign 534.671+/-0.067 χ^2/NDF: 3754526.1/52

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 63.563+/-25.361 χ^2/NDF: 19.7/23

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 5.407+/-23.972 χ^2/NDF: 32.6/29

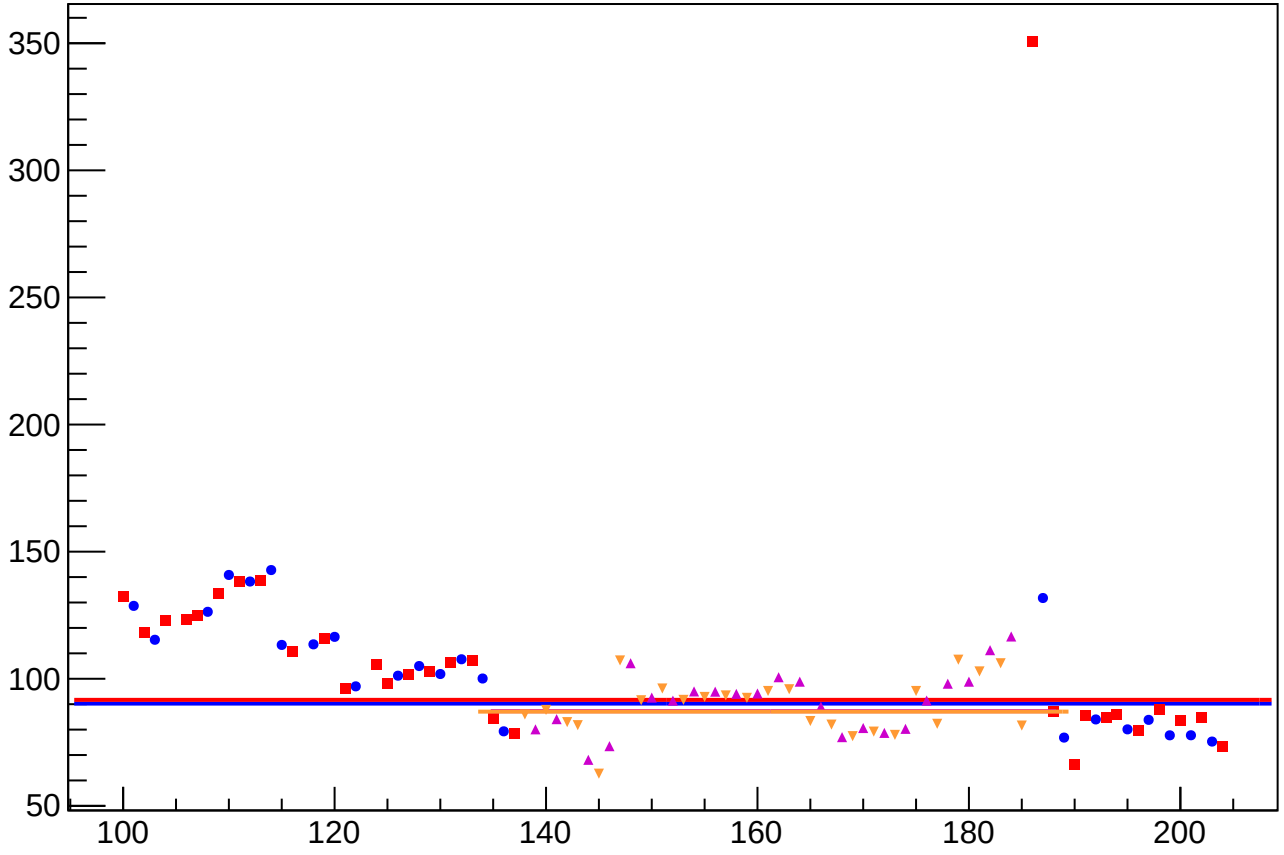
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -4.977+/-15.696 χ^2/NDF: 75.5/48

All: -1.038+/-11.074 χ^2/NDF: 133.7/101

- sign 2.865+/-15.625 χ^2/NDF: 58.1/52

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 90.239+/-0.018 χ^2/NDF: 962131.8/23

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

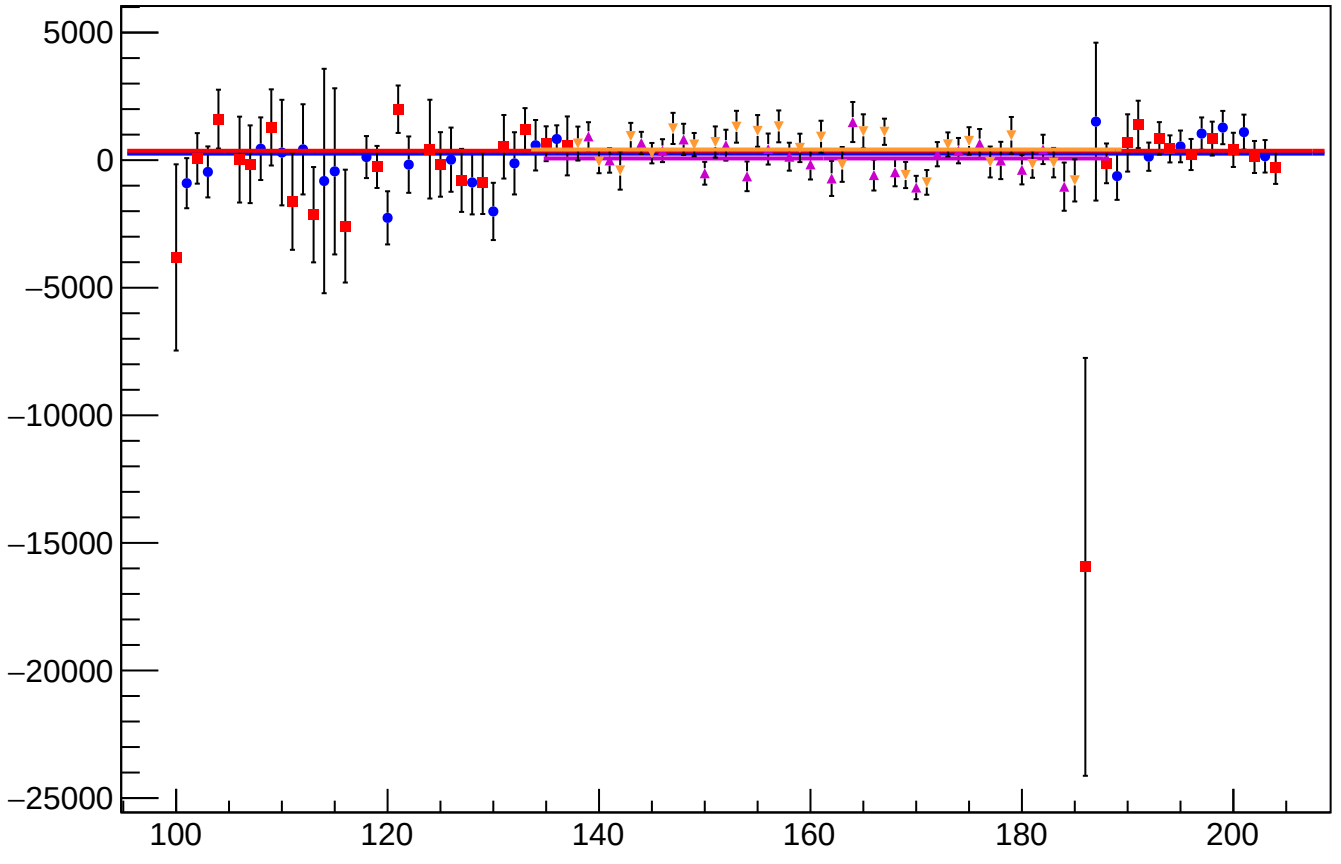
Right Out: 91.705+/-0.017 χ^2/NDF: 1415412.9/29

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 88.285+/-0.011 χ^2/NDF: 1602002.5/48

All: 88.718+/-0.008 χ^2/NDF: 3655836.1/101

- sign 89.146+/-0.011 χ^2/NDF: 2050807.8/52



Right In: 256.450+/-181.350 χ^2/NDF: 21.2/23

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 367.208+/-168.128 χ^2/NDF: 22.7/29

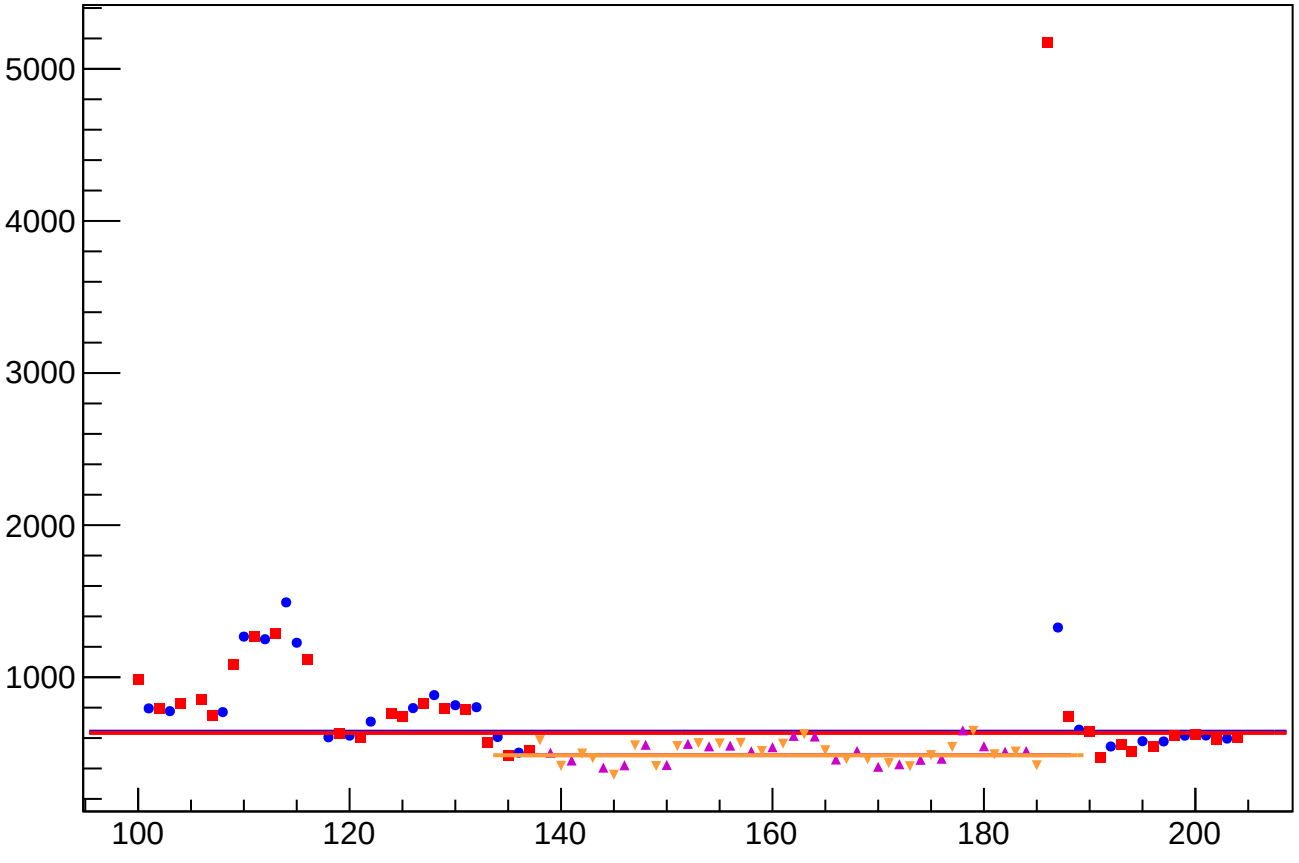
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 372.057+/-95.499 χ^2/NDF: 54.2/48

All: 267.122+/-67.406 χ^2/NDF: 109.0/101

- sign 162.940+/-95.155 χ^2/NDF: 52.4/52

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug



Right In: 641.861+/-0.128 χ^2/NDF: 1217238.5/23

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 633.851+/-0.119 χ^2/NDF: 2096277.9/29

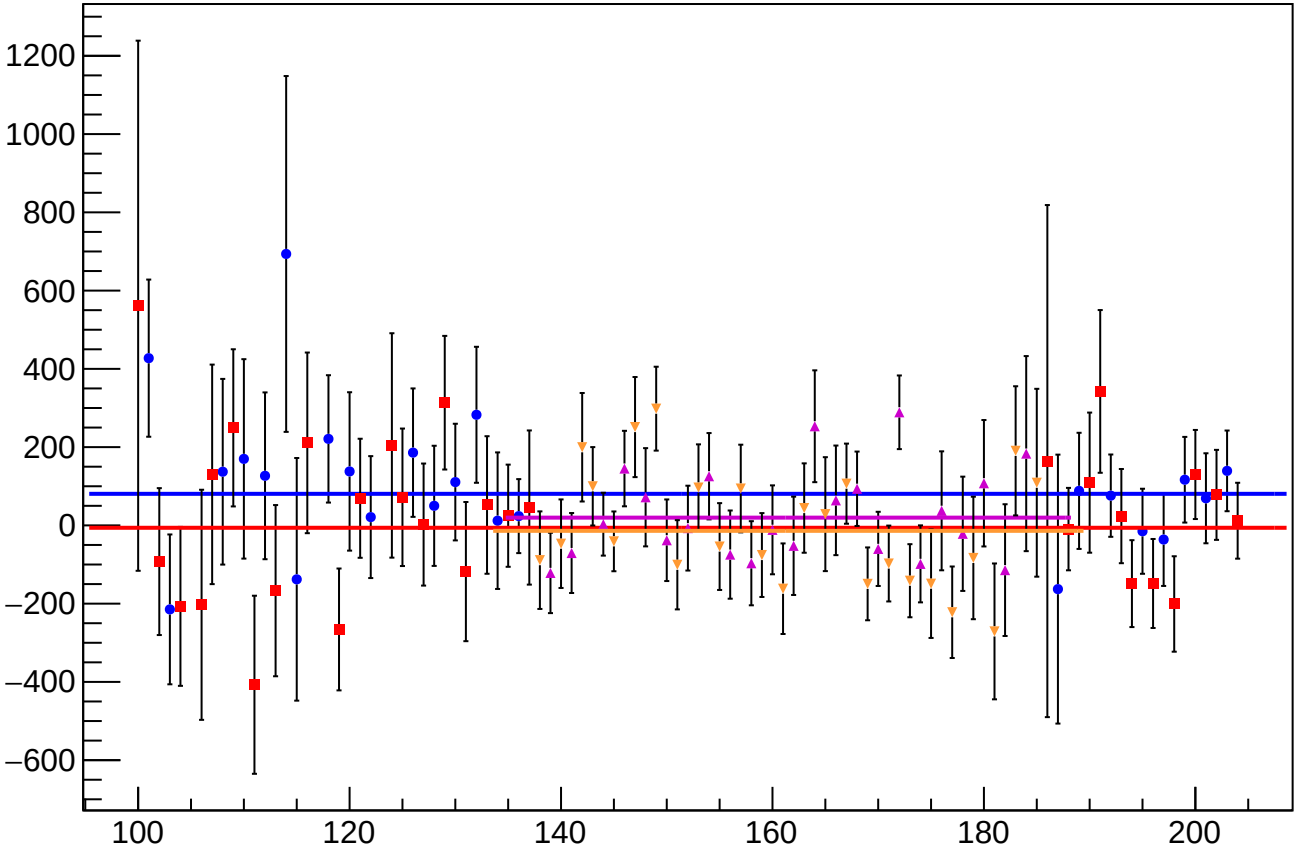
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 530.002+/-0.068 χ^2/NDF: 3091380.6/48

All: 532.345+/-0.048 χ^2/NDF: 6848305.7/101

- sign 534.671+/-0.067 χ^2/NDF: 3754526.1/52

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 80.660+/-30.408 χ^2/NDF: 13.9/23

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -6.100+/-28.674 χ^2/NDF: 27.8/29

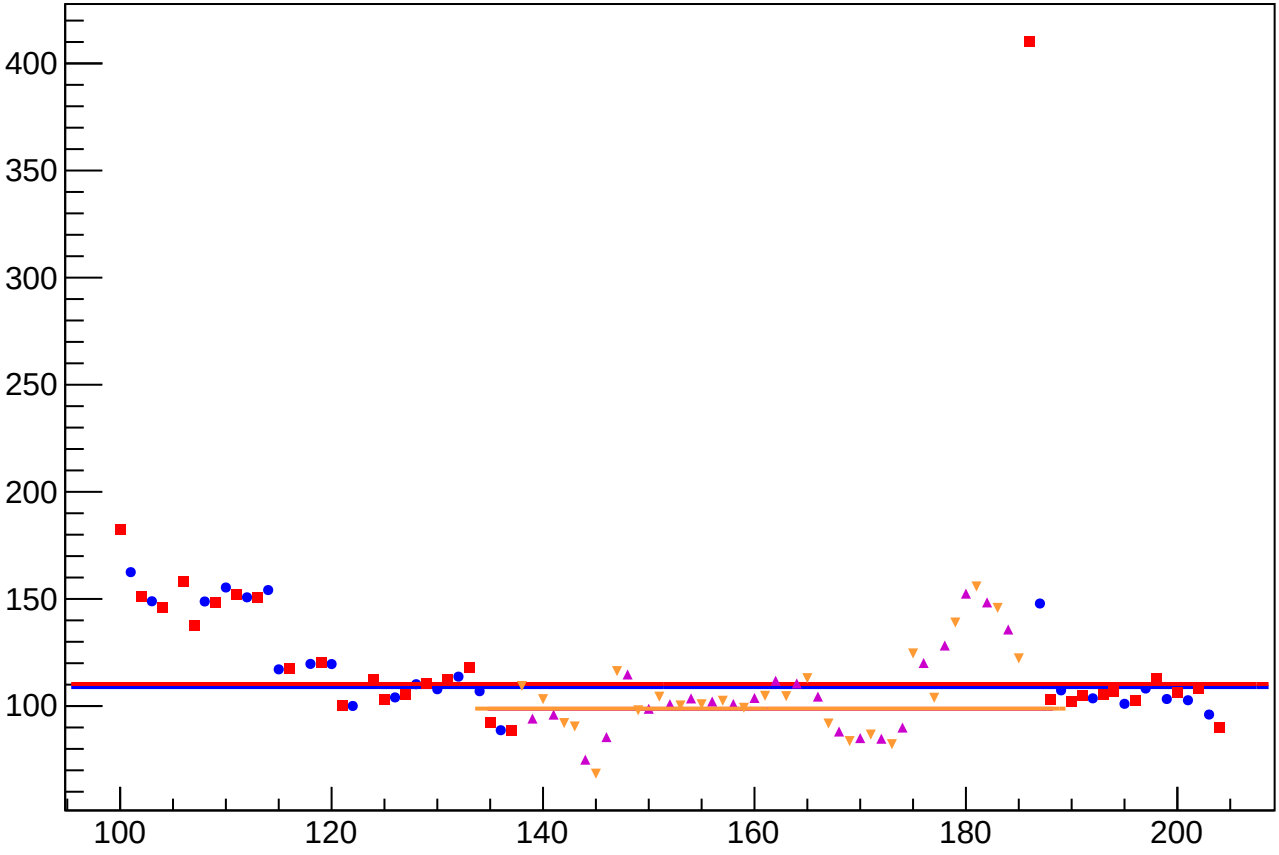
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 20.350+/-18.301 χ^2/NDF: 56.5/48

All: 14.826+/-12.908 χ^2/NDF: 108.2/101

\- sign 9.359+/-18.209 χ^2/NDF: 51.6/52

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 108.861+/-0.022 χ^2/NDF: 650671.8/23

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 110.301+/-0.020 χ^2/NDF: 1091950.5/29

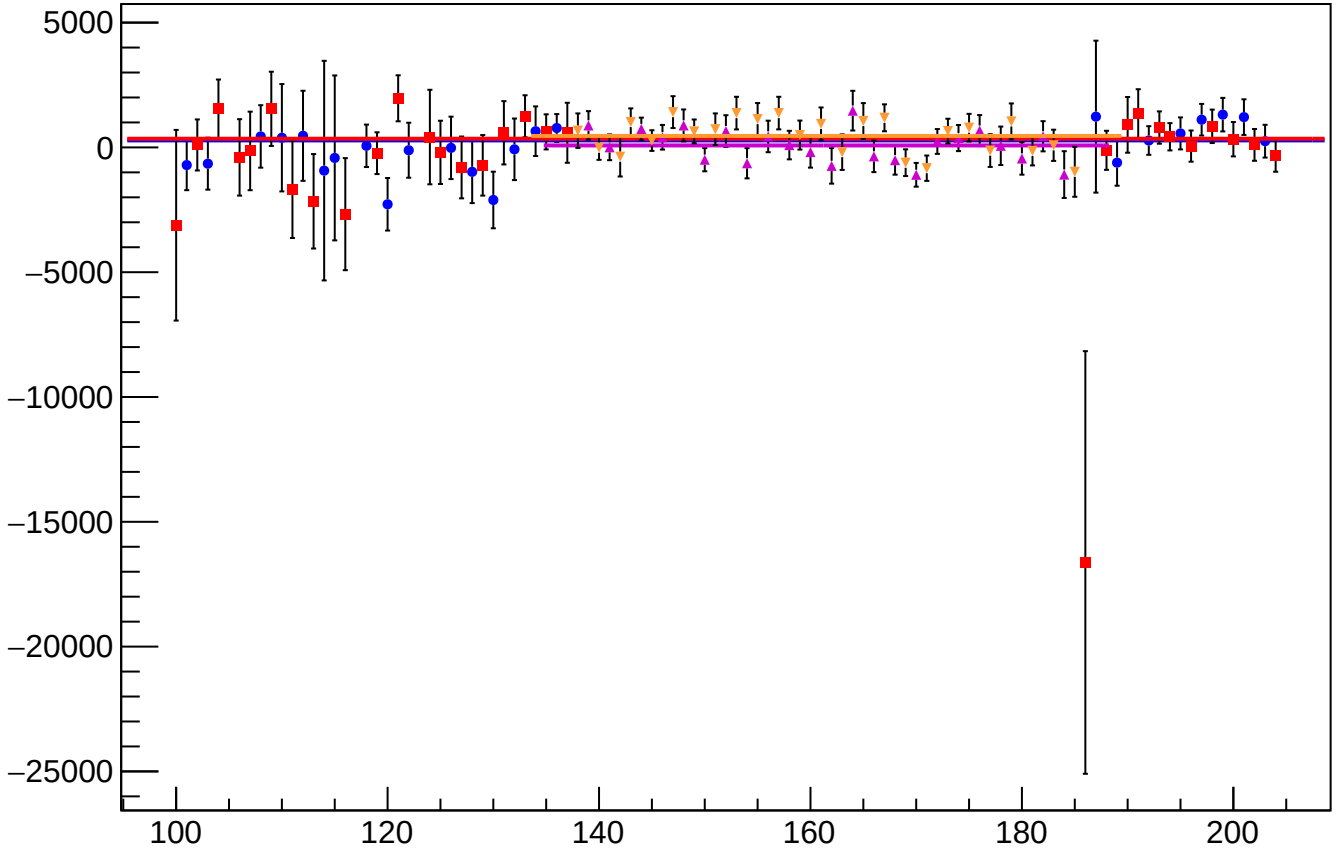
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.443+/-0.013 χ^2/NDF: 1976145.5/48

All: 102.905+/-0.009 χ^2/NDF: 4254720.2/101

- sign 103.362+/-0.013 χ^2/NDF: 2276043.0/52

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: 280.699+/-185.679 χ^2/NDF: 21.5/23

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 346.874+/-170.869 χ^2/NDF: 22.4/29

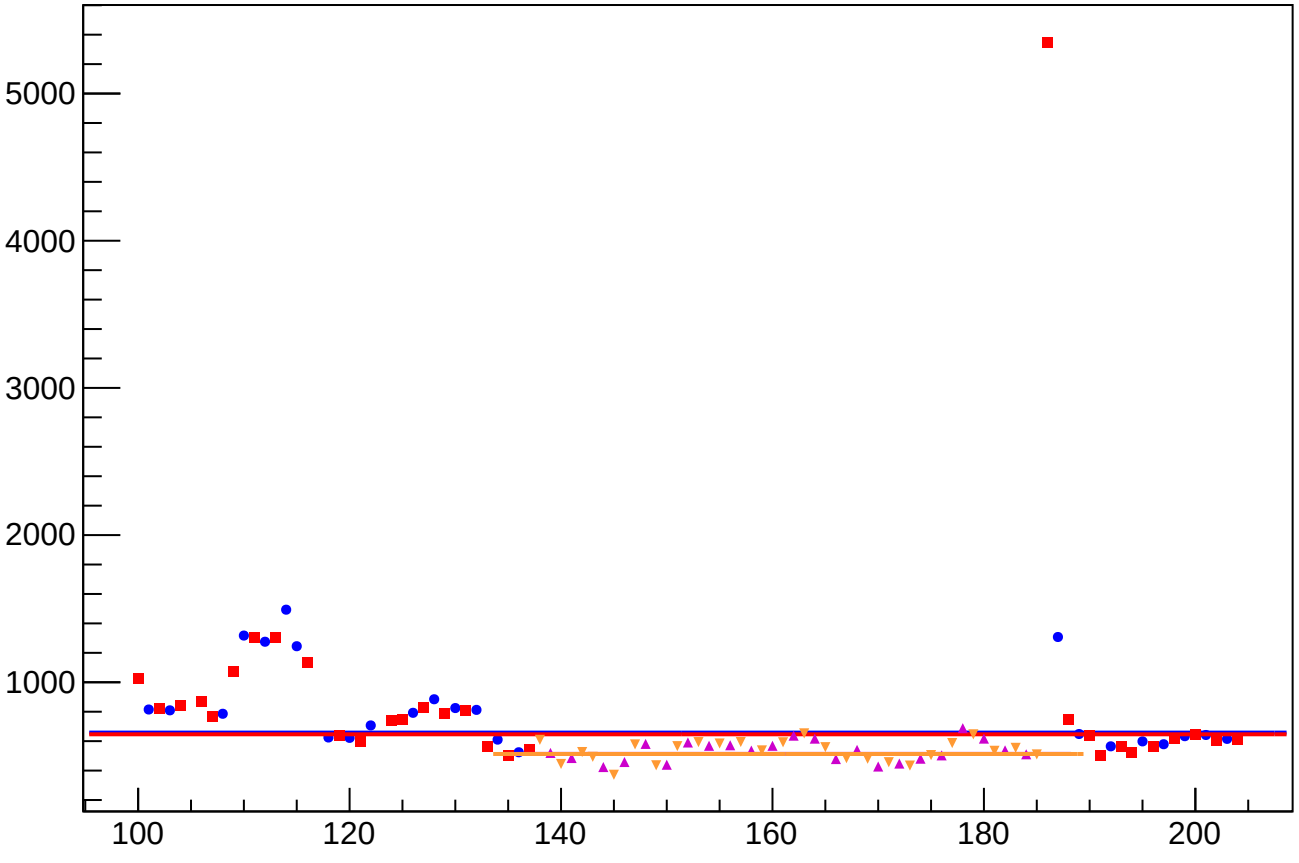
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 407.704+/-99.658 χ^2/NDF: 53.0/48

All: 287.421+/-70.229 χ^2/NDF: 106.1/101

- sign 168.757+/-98.985 χ^2/NDF: 50.2/52

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 658.066+/-0.131 χ^2/NDF: 1165791.7/23

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 646.537+/-0.121 χ^2/NDF: 2045196.5/29

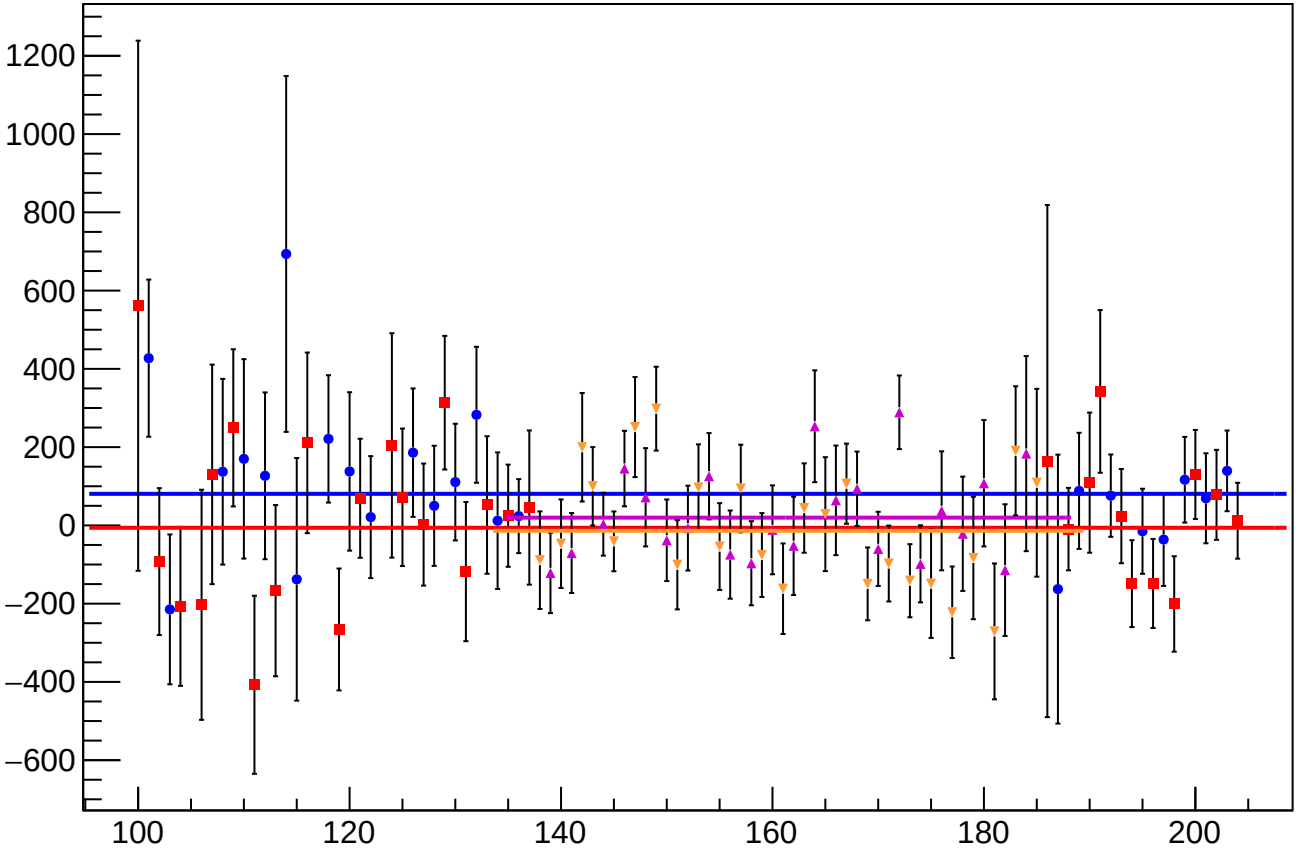
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 554.624+/-0.070 χ^2/NDF: 2836917.1/48

All: 556.355+/-0.050 χ^2/NDF: 6324373.5/101

- sign 558.063+/-0.070 χ^2/NDF: 3486257.7/52

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 80.660+/-30.408 χ^2/NDF: 13.9/23

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -6.101+/-28.674 χ^2/NDF: 27.8/29

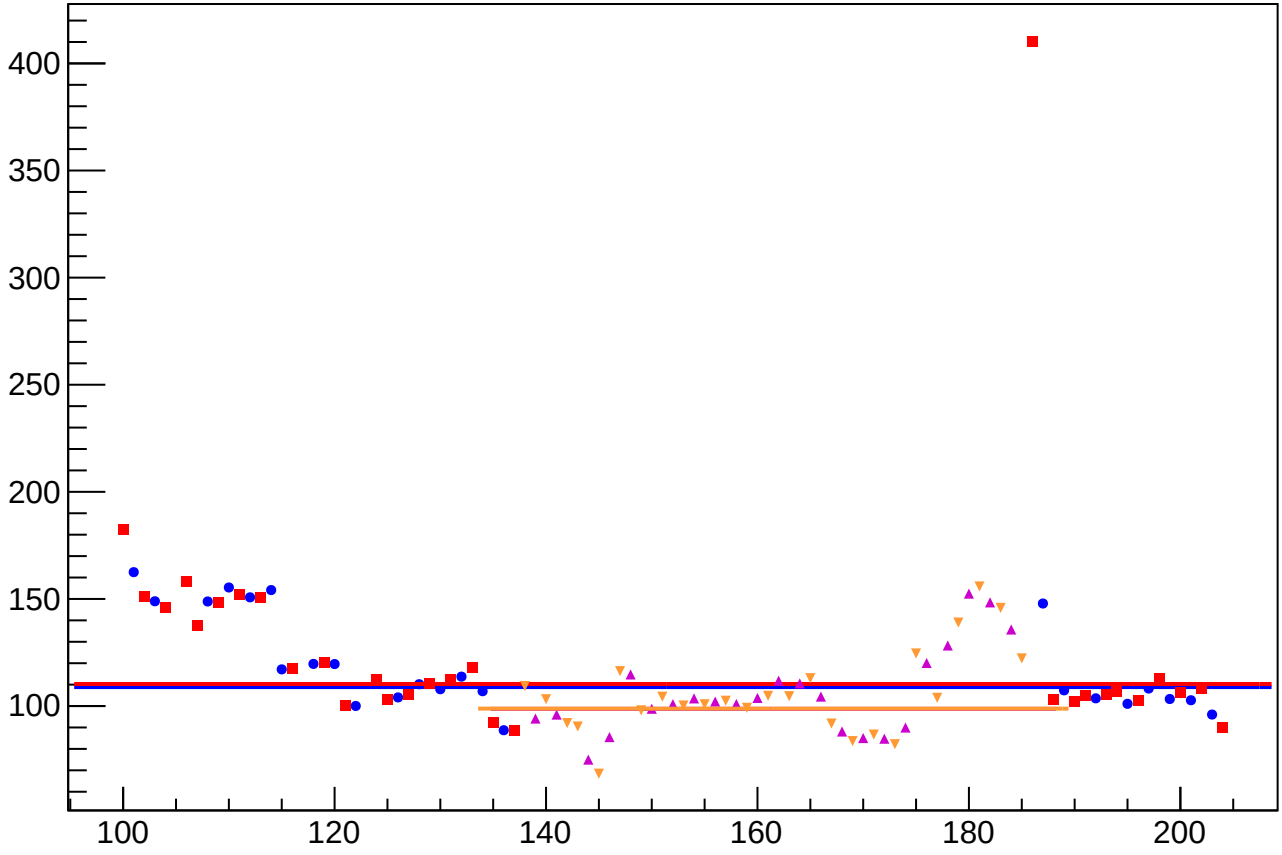
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 20.348+/-18.301 χ^2/NDF: 56.5/48

All: 14.825+/-12.908 χ^2/NDF: 108.2/101

\- sign 9.359+/-18.209 χ^2/NDF: 51.6/52

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 108.861+/-0.022 χ^2/NDF: 650661.5/23

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

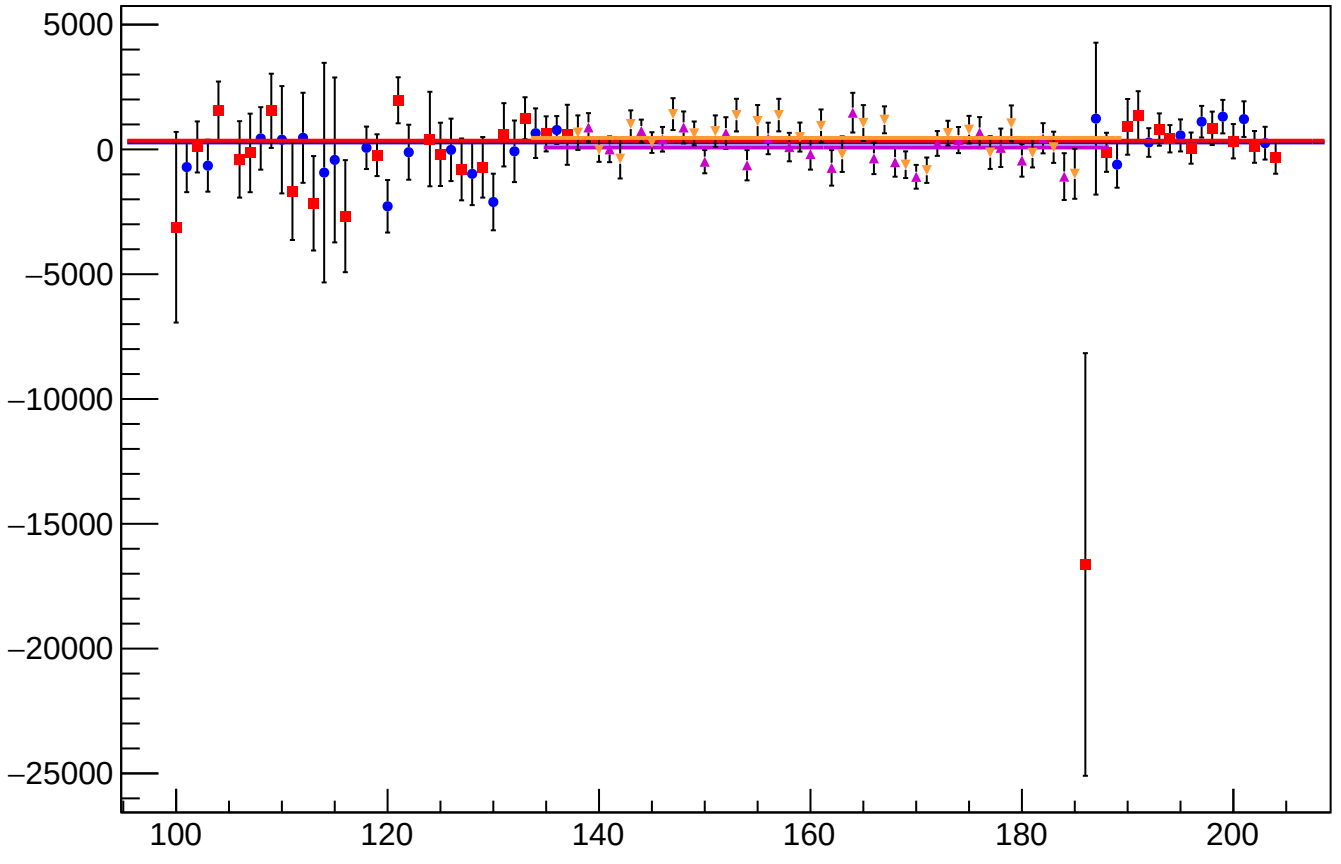
Right Out: 110.301+/-0.020 χ^2/NDF: 1091937.2/29

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.443+/-0.013 χ^2/NDF: 1976142.9/48

All: 102.905+/-0.009 χ^2/NDF: 4254698.9/101

- sign 103.362+/-0.013 χ^2/NDF: 2276024.1/52



Right In: 280.699+/-185.679 χ^2/NDF: 21.5/23

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

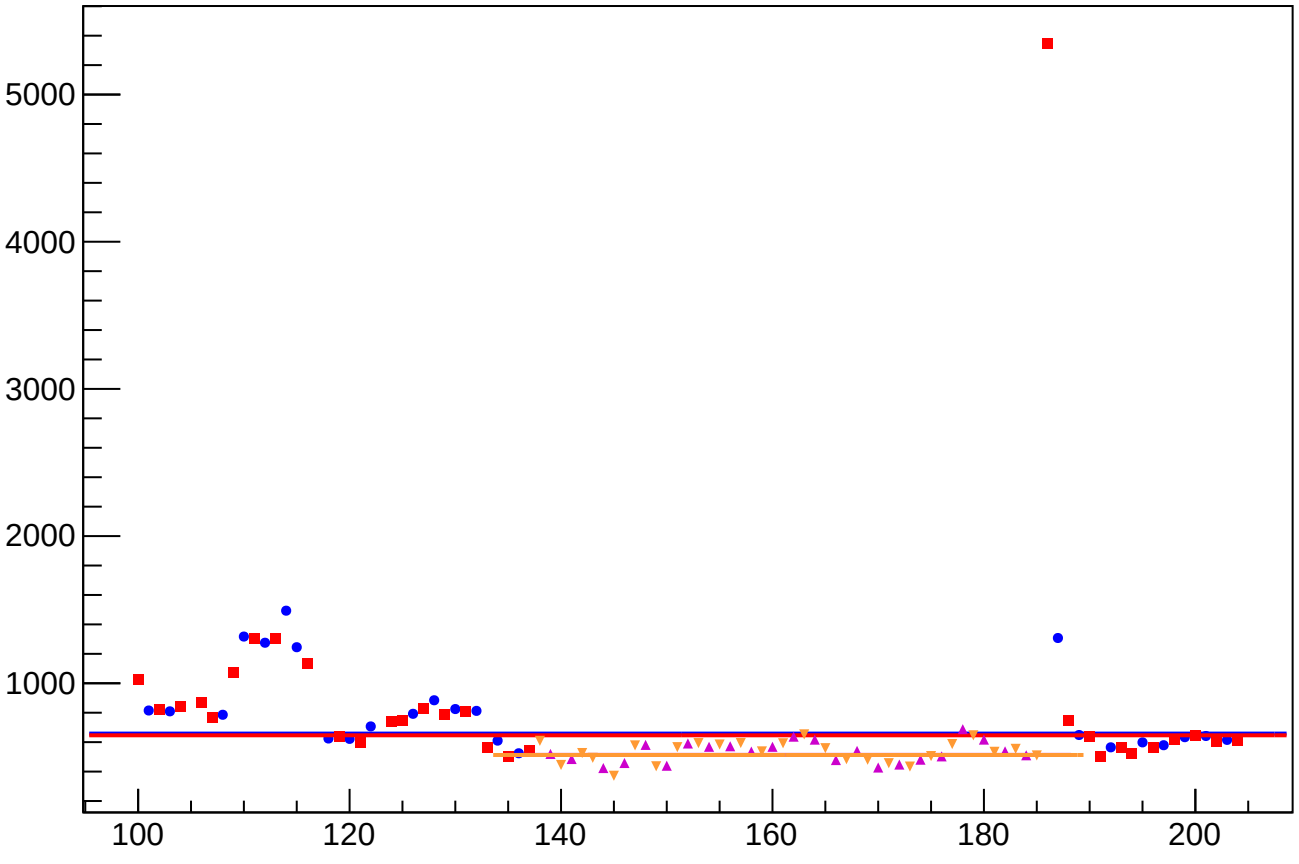
Right Out: 346.873+/-170.869 χ^2/NDF: 22.4/29

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 407.703+/-99.658 χ^2/NDF: 53.0/48

All: 287.420+/-70.229 χ^2/NDF: 106.1/101

- sign 168.756+/-98.984 χ^2/NDF: 50.2/52



Right In: 658.065+/-0.131 χ^2/NDF: 1165790.6/23

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 646.536+/-0.121 χ^2/NDF: 2045194.4/29

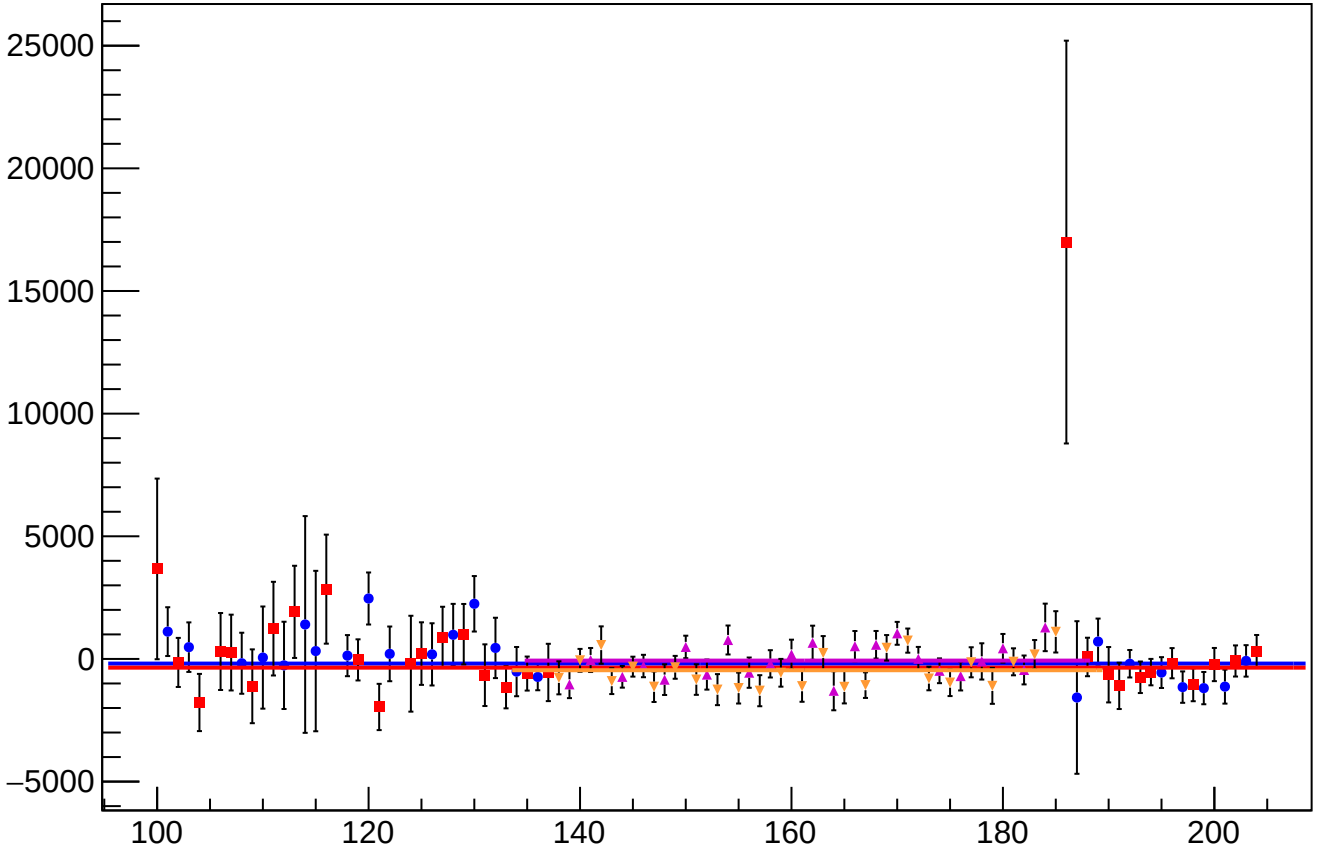
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 554.624+/-0.070 χ^2/NDF: 2836907.8/48

All: 556.355+/-0.050 χ^2/NDF: 6324347.0/101

- sign 558.062+/-0.070 χ^2/NDF: 3486240.6/52

asym_sam_26_48_dd_mean vs Slug



Right In: -189.567+/-183.335 χ^2/NDF: 23.7/23

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -355.417+/-169.906 χ^2/NDF: 22.5/29

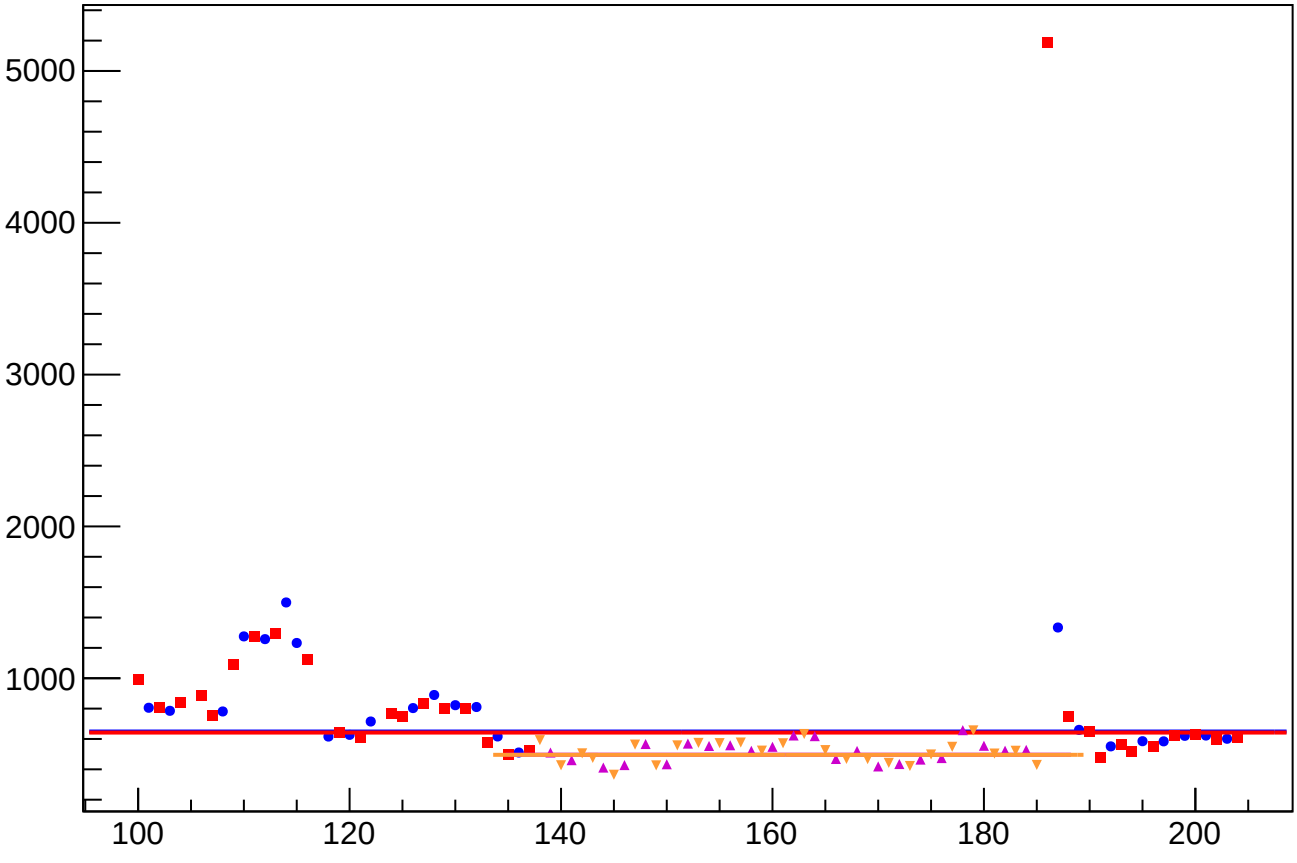
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -384.272+/-96.953 χ^2/NDF: 56.1/48

All: -272.127+/-68.419 χ^2/NDF: 111.8/101

- sign -160.873+/-96.567 χ^2/NDF: 53.0/52

asym_sam_26_48_dd_rms vs Slug



Right In: 649.083+/-0.130 χ^2/NDF: 1205310.8/23

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

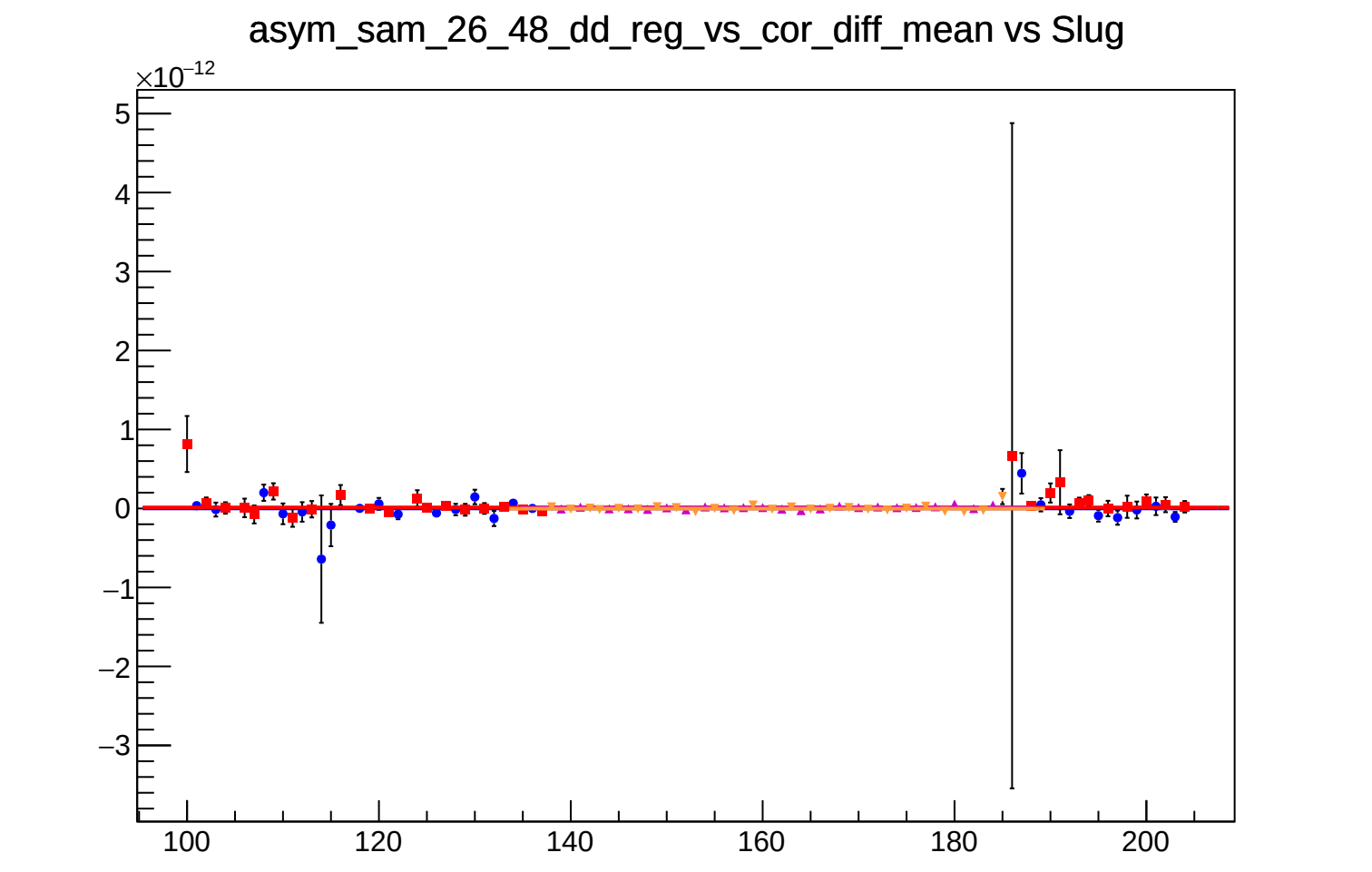
Right Out: 642.169+/-0.120 χ^2/NDF: 2088765.1/29

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 538.461+/-0.069 χ^2/NDF: 3020815.8/48

All: 540.953+/-0.048 χ^2/NDF: 6732427.6/101

- sign 543.425+/-0.068 χ^2/NDF: 3708980.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 27.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

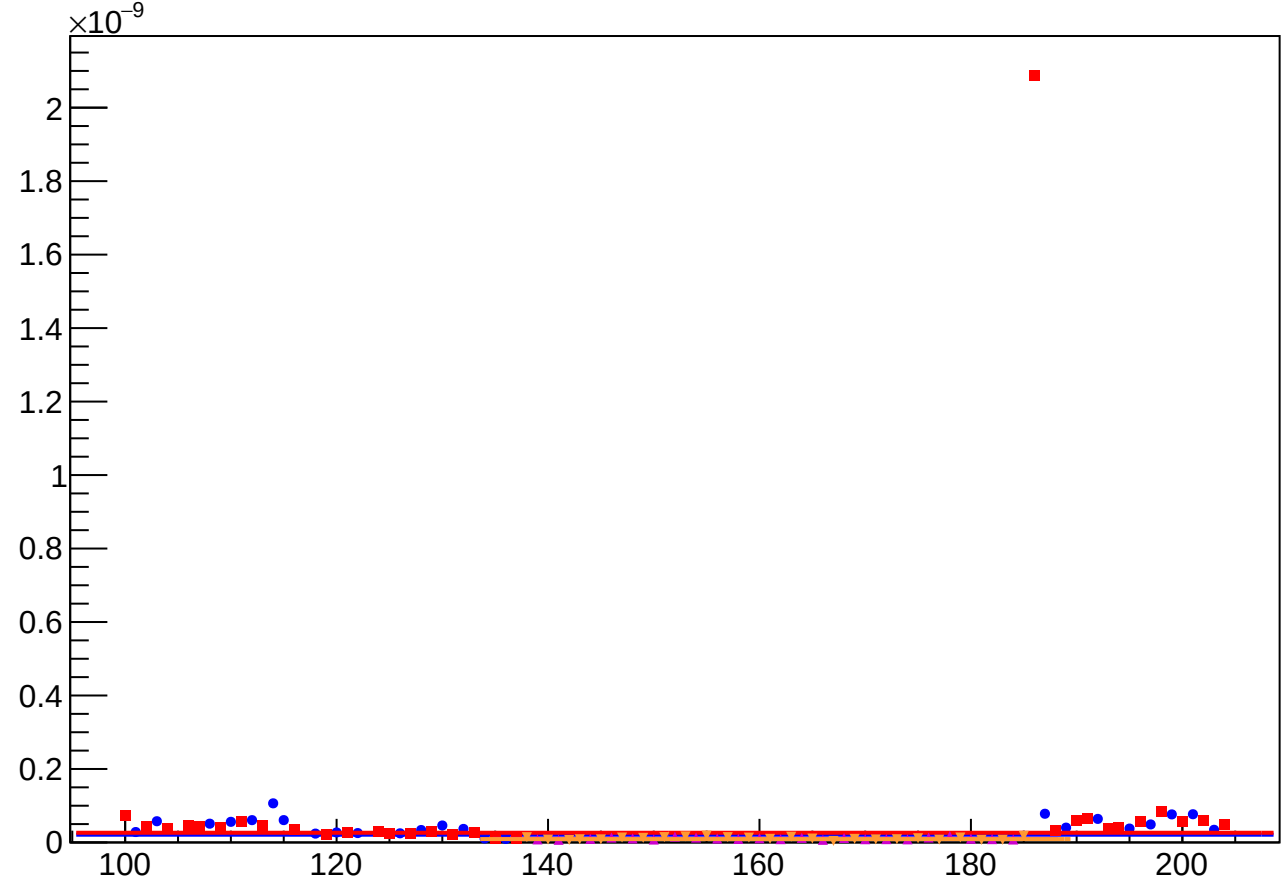
Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/29

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.5/48

All: 0.000+/-0.000 χ^2/NDF: 98.1/101

- sign 0.000+/-0.000 χ^2/NDF: 41.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 4701558.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4025123.5/29

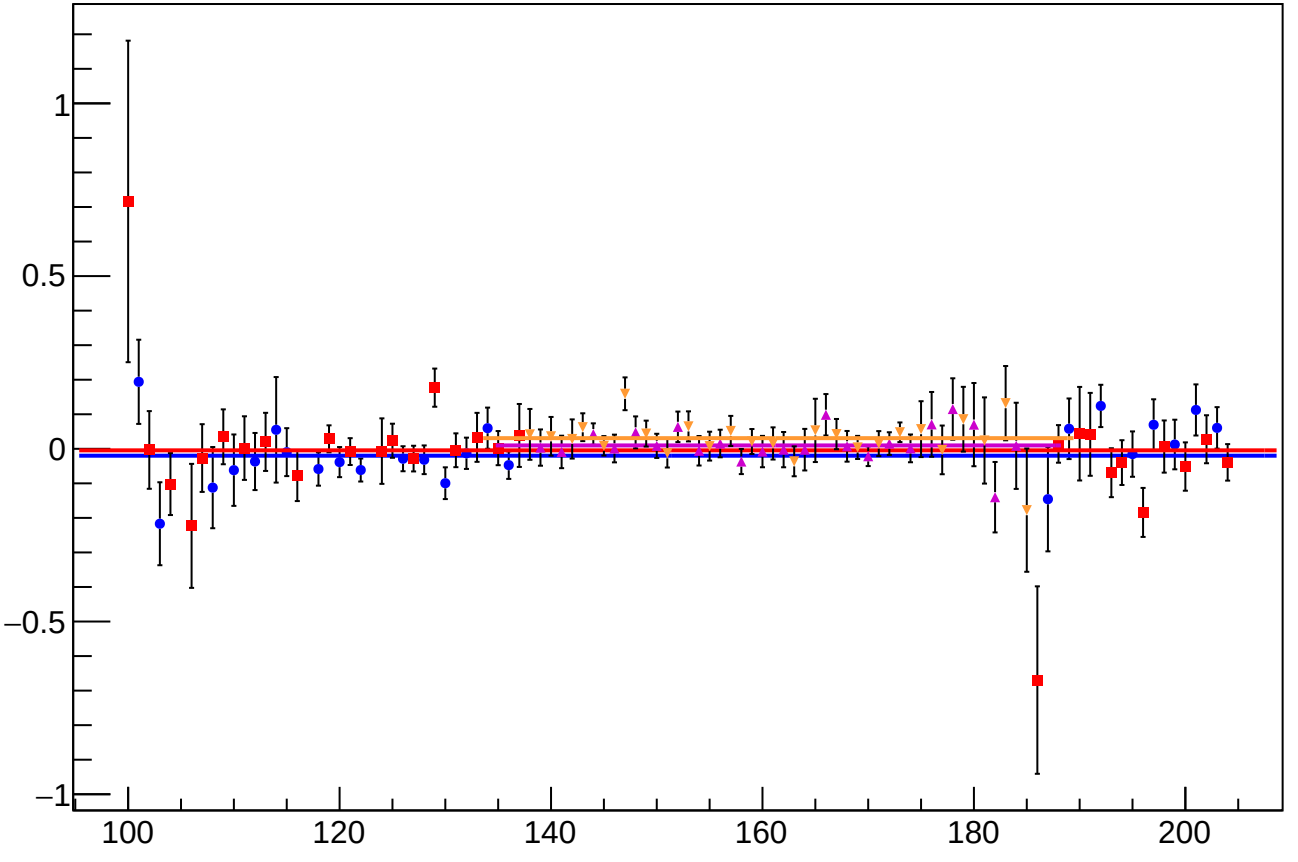
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8706201.4/48

All: 0.000+/-0.000 χ^2/NDF: 16941897.7/101

- sign 0.000+/-0.000 χ^2/NDF: 8167362.3/52

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.012 χ^2/NDF: 28.3/23

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.004+/-0.012 χ^2/NDF: 34.3/29

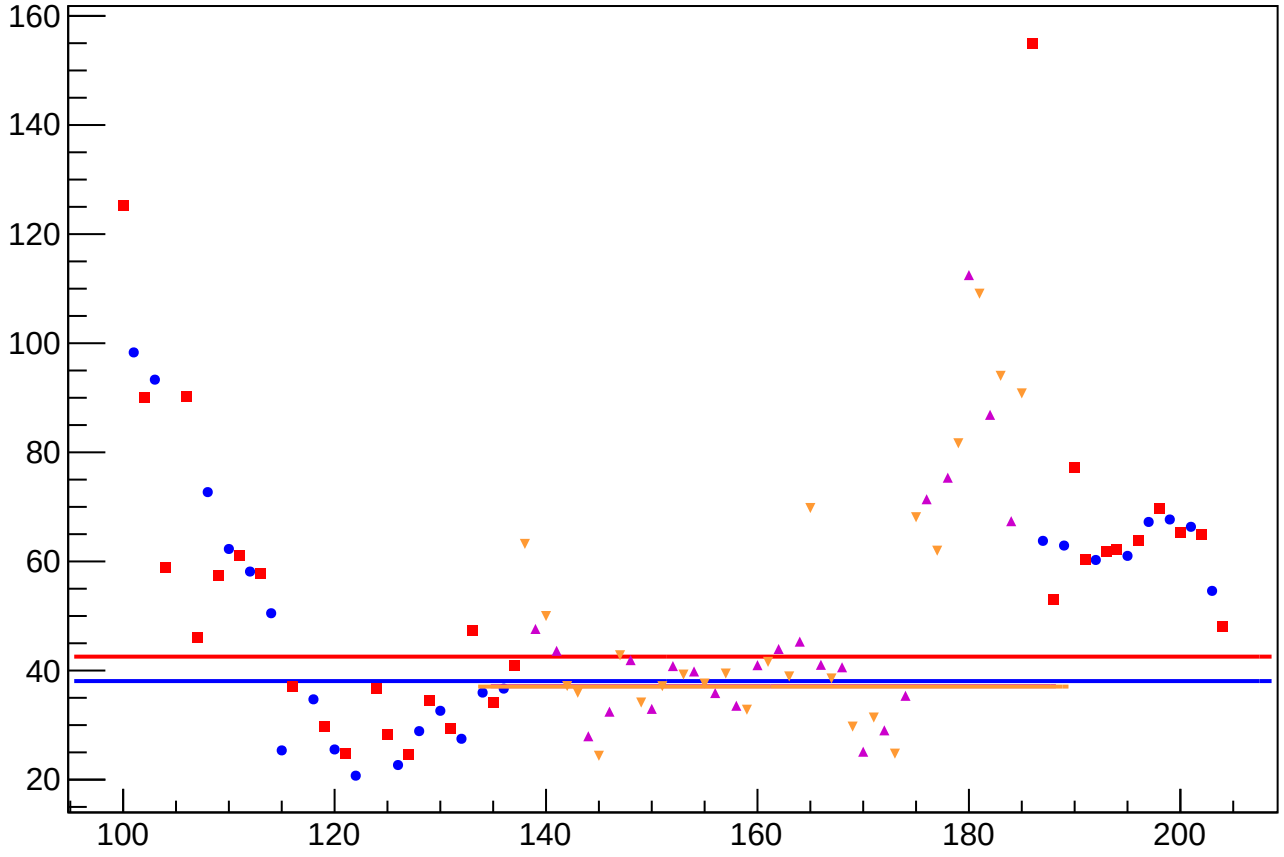
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 57.8/48

All: 0.008+/-0.005 χ^2/NDF: 106.8/101

- sign 0.004+/-0.007 χ^2/NDF: 48.4/52

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 38.069+/-0.008 χ^2/NDF: 4534360.8/23

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

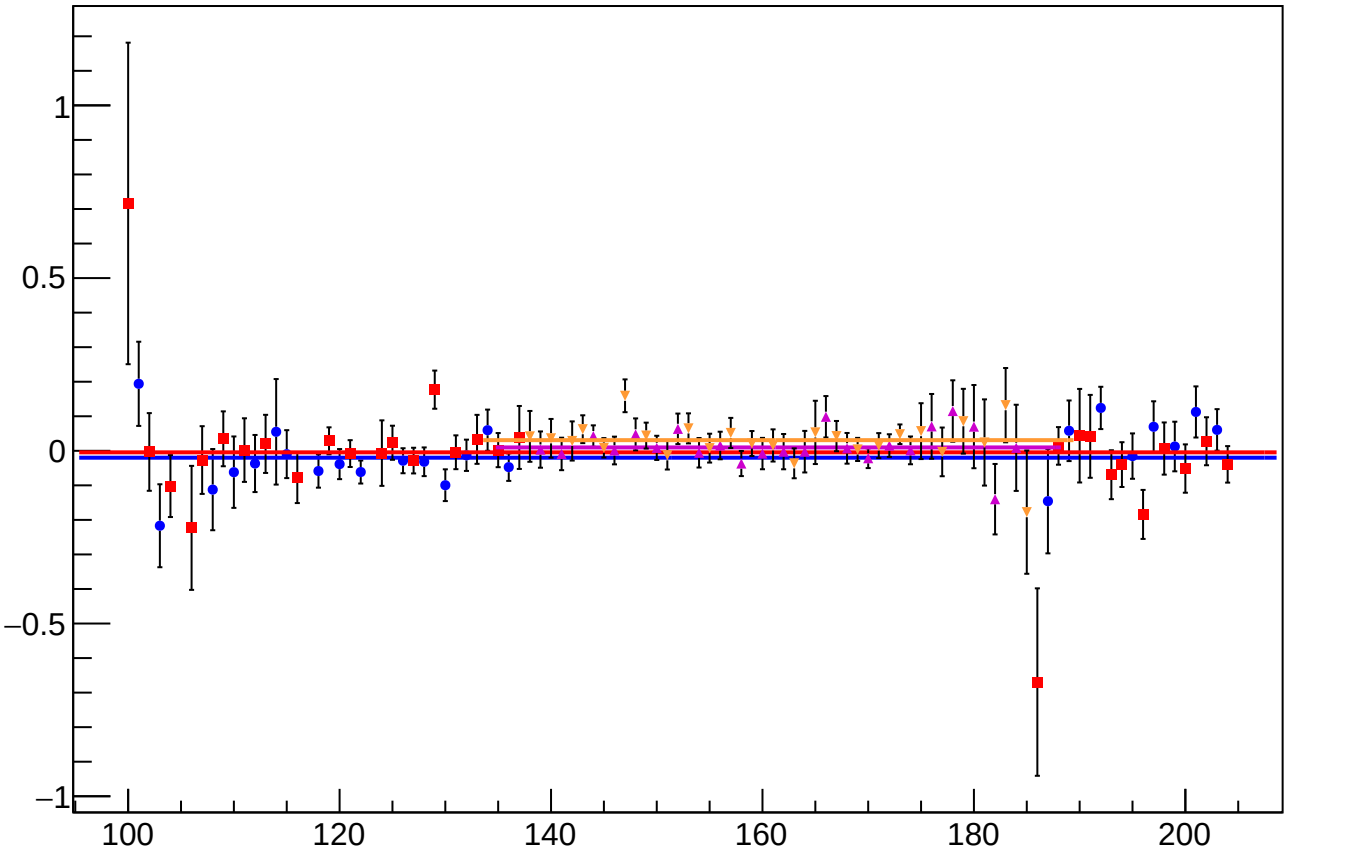
Right Out: 42.550+/-0.008 χ^2/NDF: 4192220.7/29

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 37.439+/-0.005 χ^2/NDF: 8597356.0/48

All: 38.299+/-0.004 χ^2/NDF: 16116522.3/101

- sign 39.200+/-0.005 χ^2/NDF: 7460777.8/52



Right In: -0.020+/-0.012 χ^2/NDF: 28.3/23

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

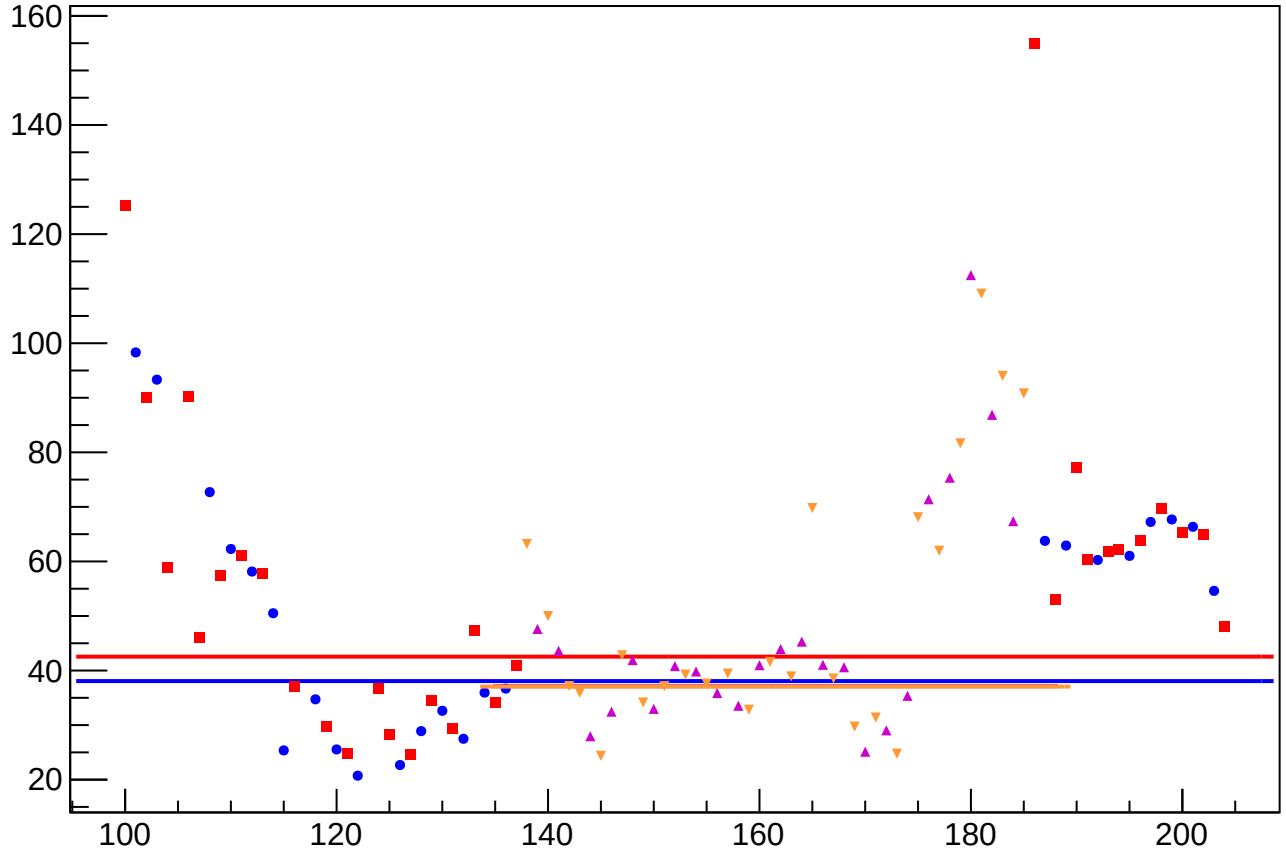
Right Out: -0.004+/-0.012 χ^2/NDF: 34.3/29

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 57.8/48

All: 0.008+/-0.005 χ^2/NDF: 106.8/101

- sign 0.004+/-0.007 χ^2/NDF: 48.4/52



Right In: 38.069+/-0.008 χ^2/NDF: 4534360.8/23

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

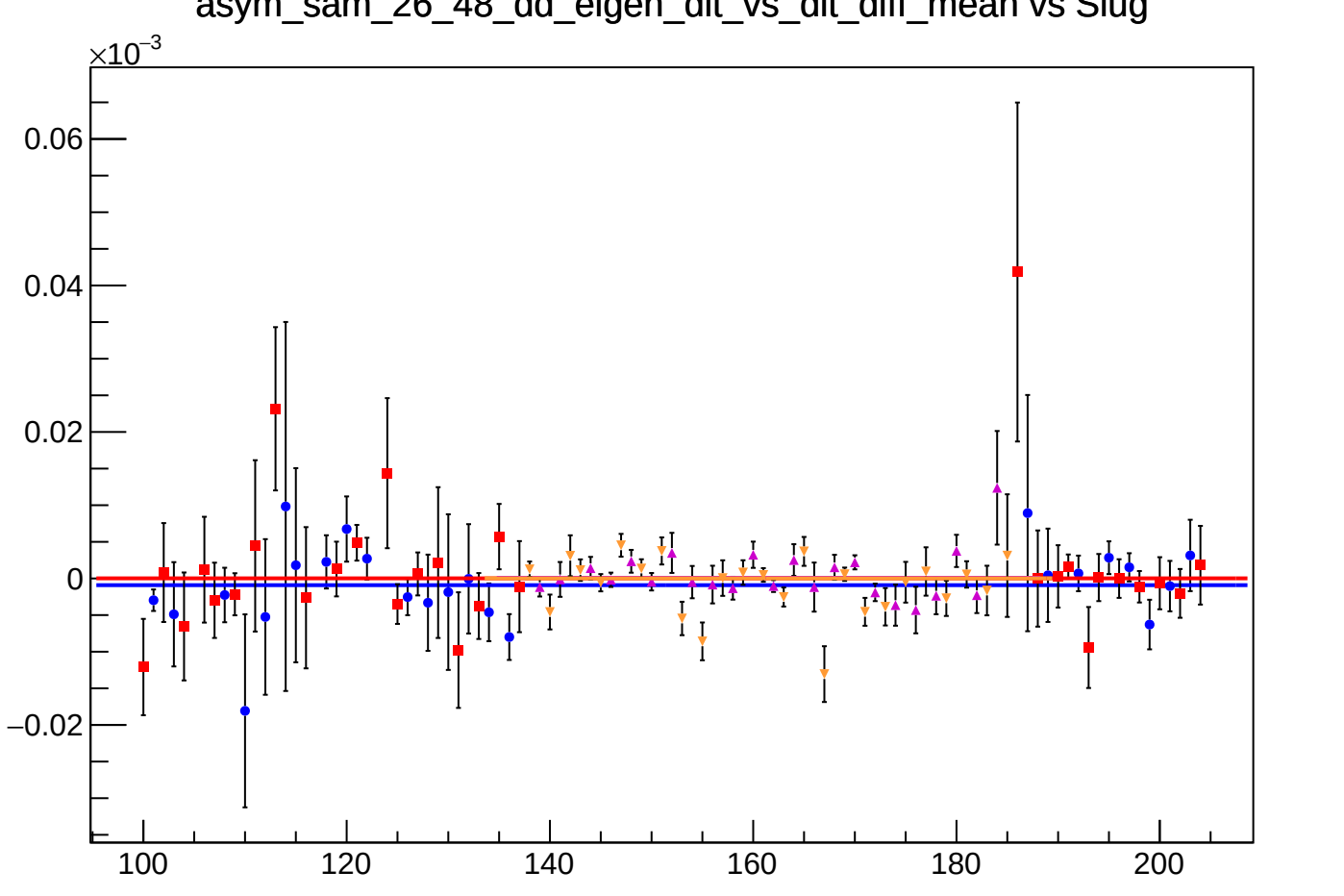
Right Out: 42.550+/-0.008 χ^2/NDF: 4192220.7/29

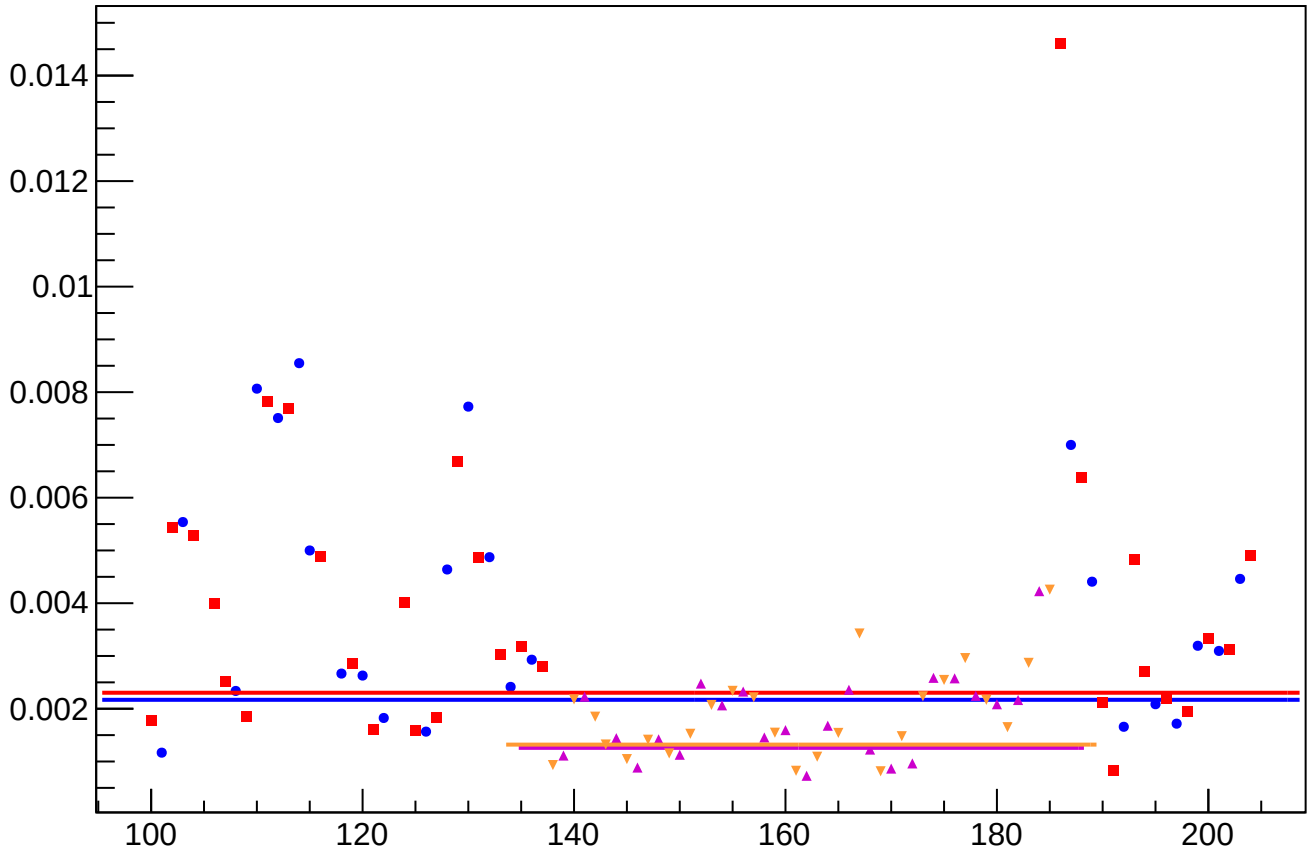
Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 37.439+/-0.005 χ^2/NDF: 8597356.0/48

All: 38.299+/-0.004 χ^2/NDF: 16116522.3/101

- sign 39.200+/-0.005 χ^2/NDF: 7460777.8/52


asym_sam_26_48_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: 24.9/23
Left Out: 0.000+/-0.000 χ²/NDF:67.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.4/29
Left In: 0.000+/-0.000 χ²/NDF:32.2/22
+ sign -0.000+/-0.000 χ²/NDF: 94.0/48
All: -0.000+/-0.000 χ²/NDF: 155.9/101
- sign 0.000+/-0.000 χ²/NDF: 61.6/52



Right In: 0.002+/-0.000 χ^2/NDF: 5336434.6/23

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

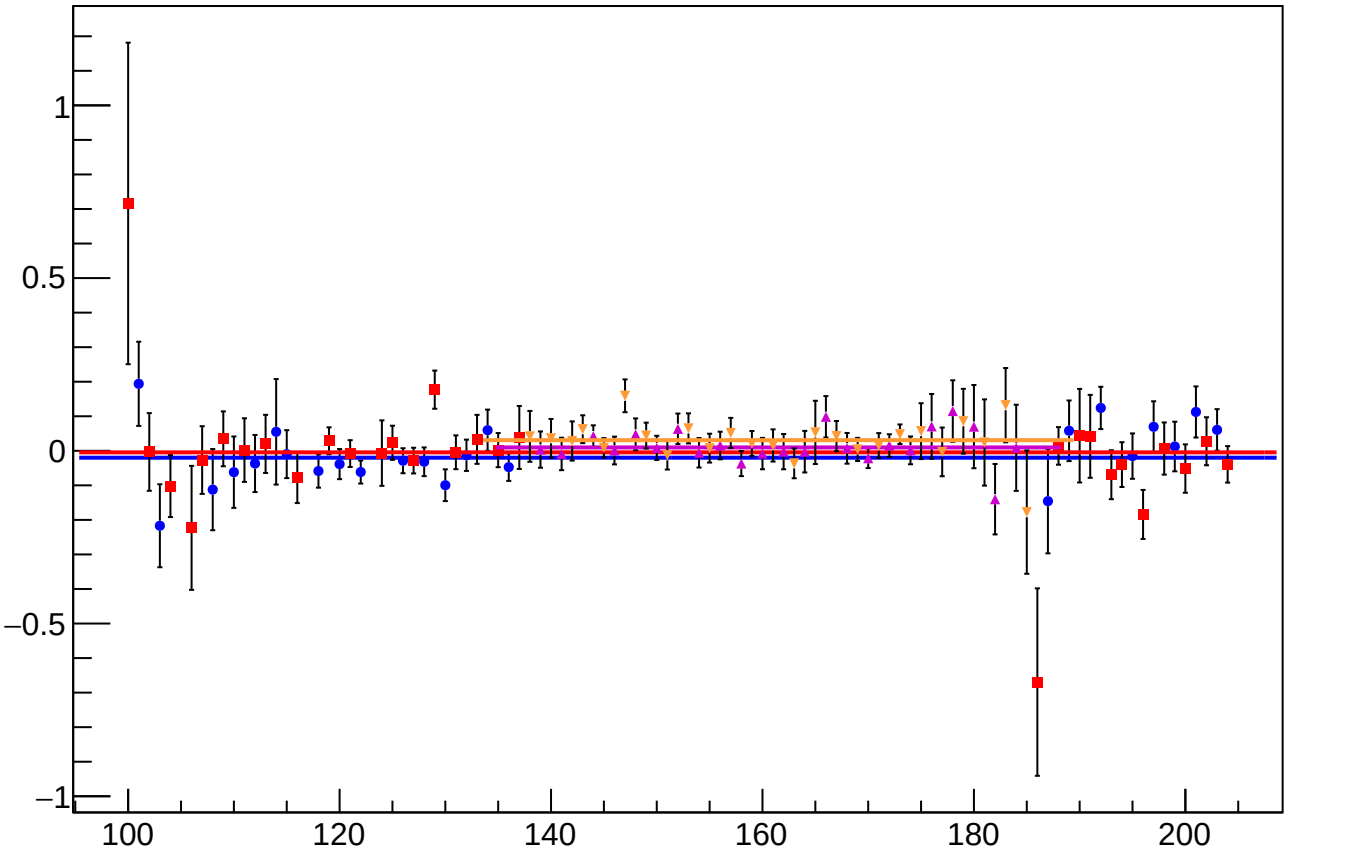
Right Out: 0.002+/-0.000 χ^2/NDF: 7404990.5/29

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 13420943.9/48

All: 0.001+/-0.000 χ^2/NDF: 29900578.0/101

- sign 0.001+/-0.000 χ^2/NDF: 16469712.2/52



Right In: -0.020+/-0.012 χ^2/NDF: 28.3/23

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.004+/-0.012 χ^2/NDF: 34.3/29

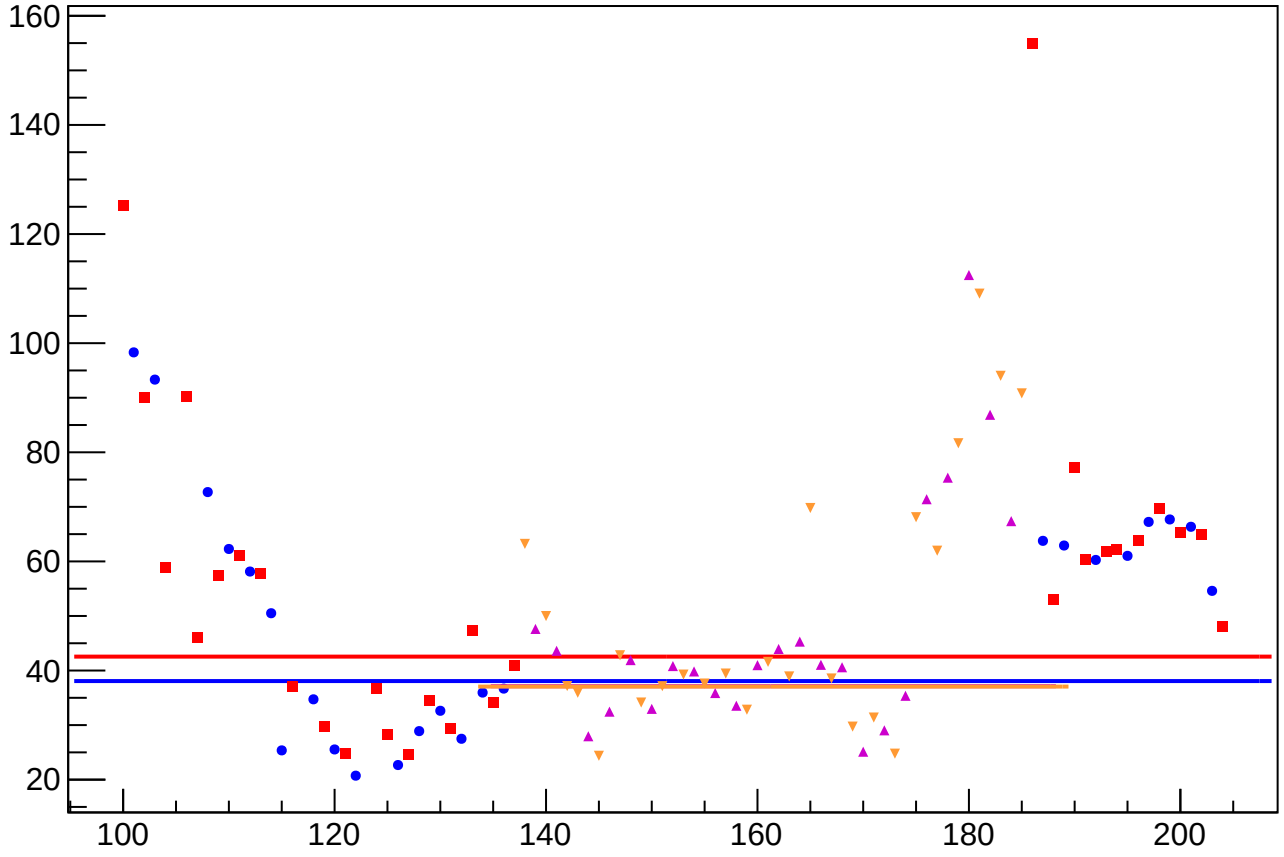
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 57.8/48

All: 0.008+/-0.005 χ^2/NDF: 106.7/101

- sign 0.004+/-0.007 χ^2/NDF: 48.4/52

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 38.069+/-0.008 χ^2/NDF: 4534266.8/23

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

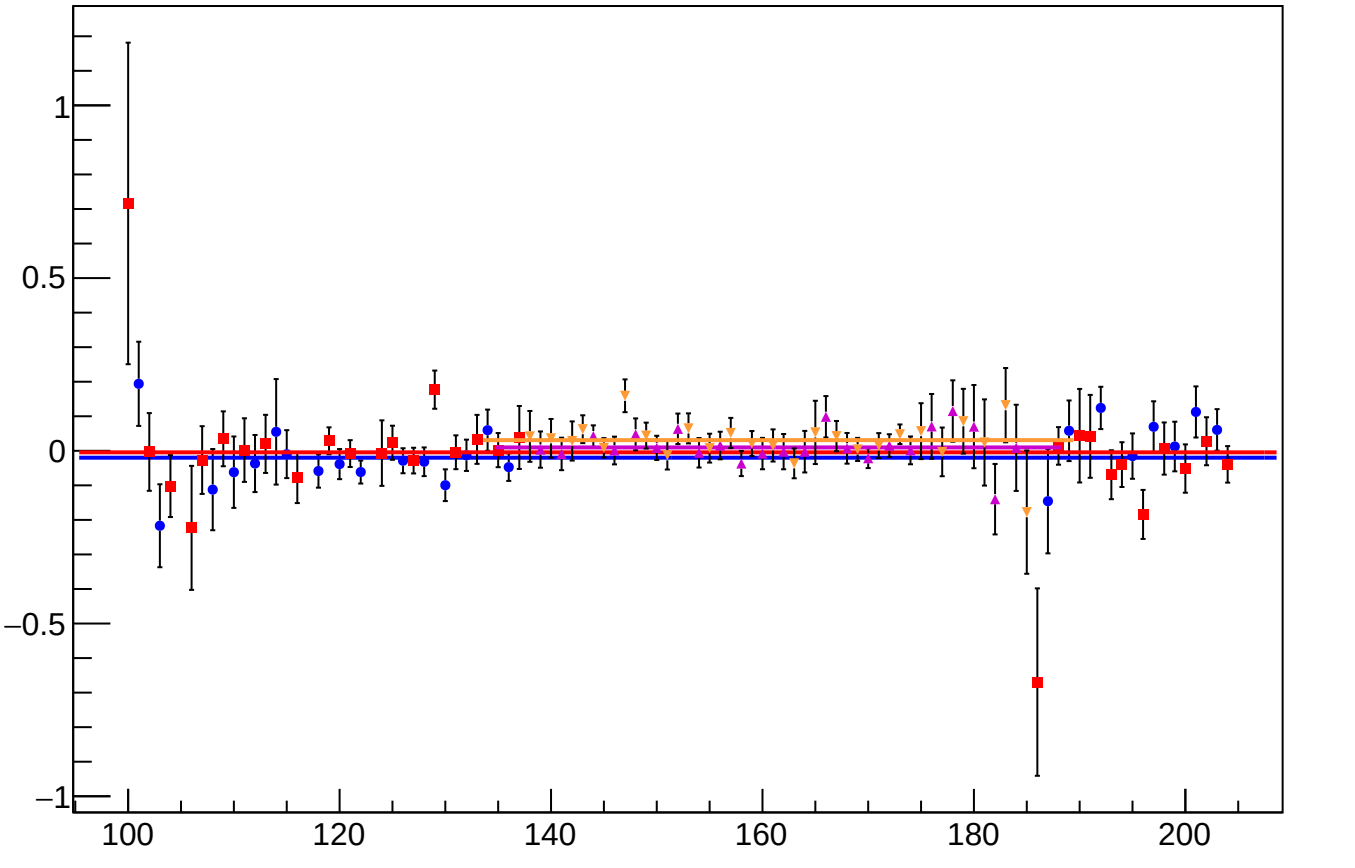
Right Out: 42.550+/-0.008 χ^2/NDF: 4192019.9/29

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 37.439+/-0.005 χ^2/NDF: 8597278.1/48

All: 38.299+/-0.004 χ^2/NDF: 16116258.4/101

- sign 39.200+/-0.005 χ^2/NDF: 7460591.9/52



Right In: -0.020+/-0.012 χ^2/NDF: 28.3/23

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

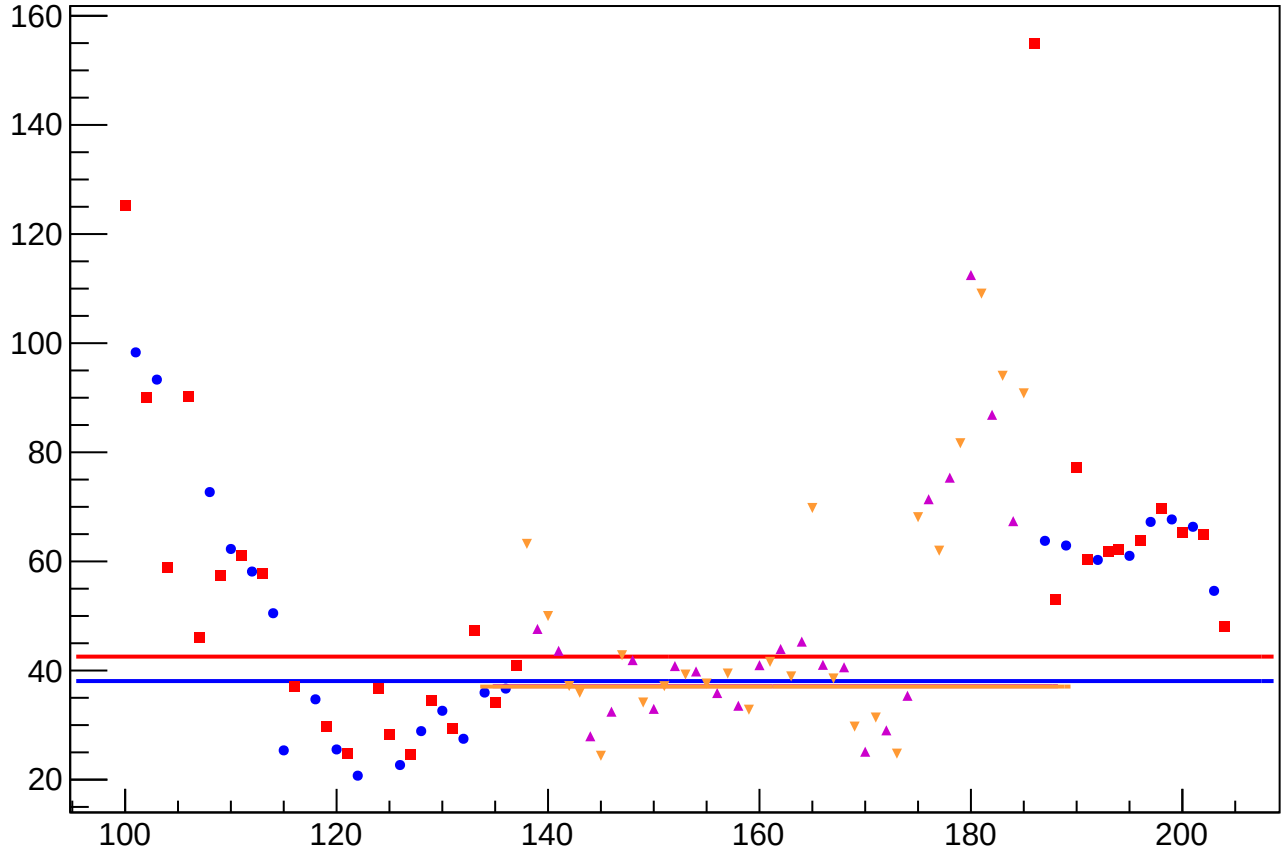
Right Out: -0.004+/-0.012 χ^2/NDF: 34.3/29

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 57.8/48

All: 0.008+/-0.005 χ^2/NDF: 106.7/101

- sign 0.004+/-0.007 χ^2/NDF: 48.4/52



Right In: 38.069+/-0.008 χ^2/NDF: 4534266.8/23

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

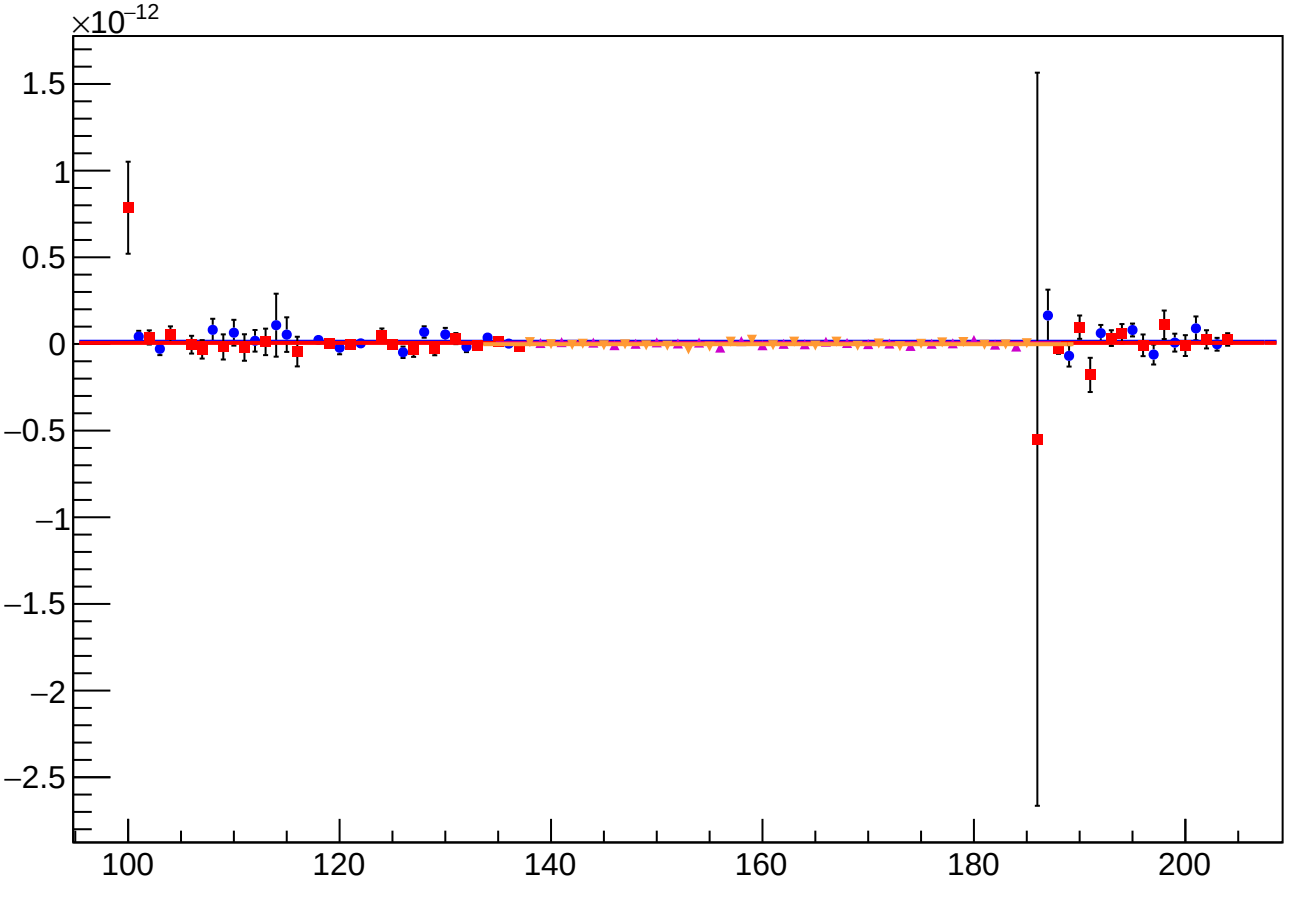
Right Out: 42.550+/-0.008 χ^2/NDF: 4192019.9/29

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 37.439+/-0.005 χ^2/NDF: 8597278.1/48

All: 38.299+/-0.004 χ^2/NDF: 16116258.4/101

- sign 39.200+/-0.005 χ^2/NDF: 7460591.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

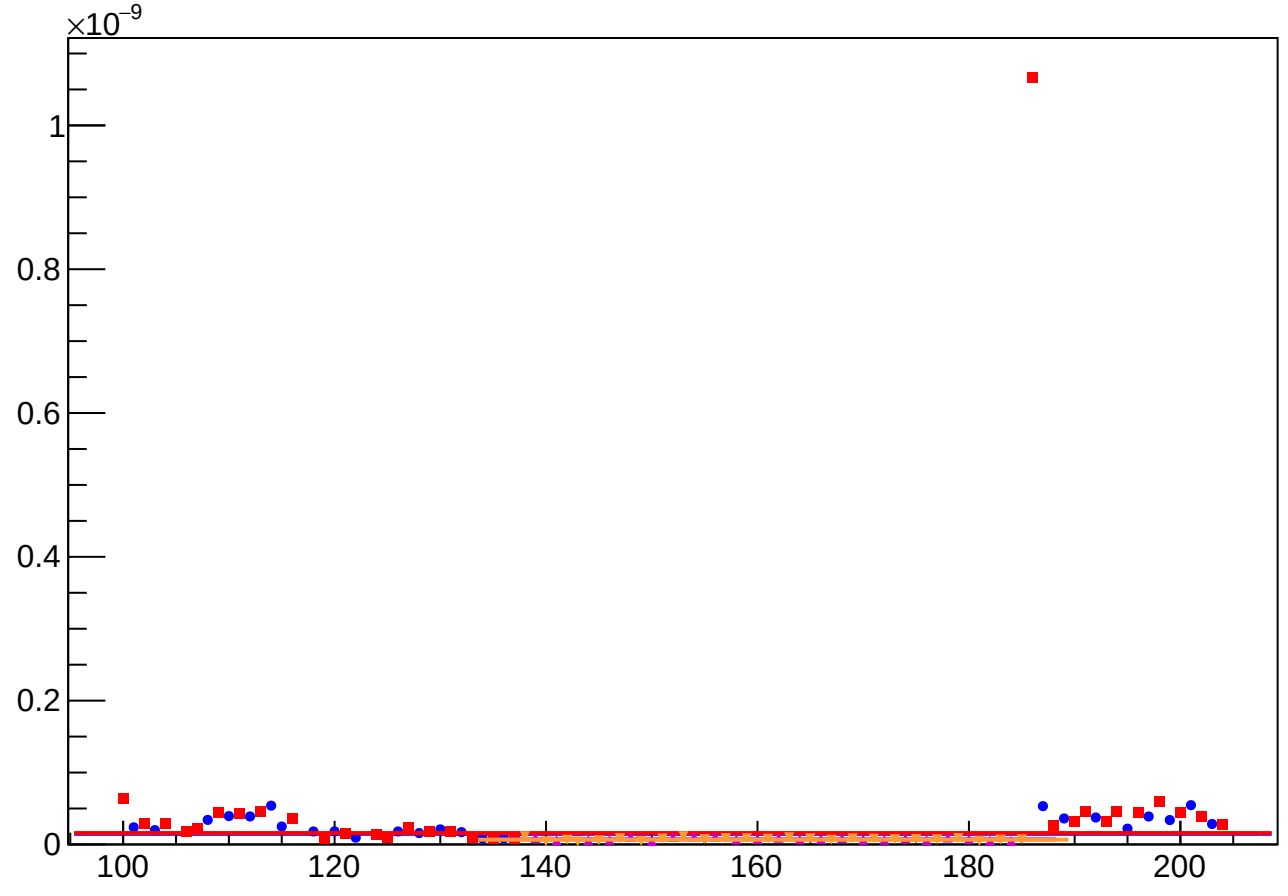
Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/29

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.1/48

All: 0.000+/-0.000 χ^2/NDF: 107.8/101

- sign 0.000+/-0.000 χ^2/NDF: 47.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 4882391.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

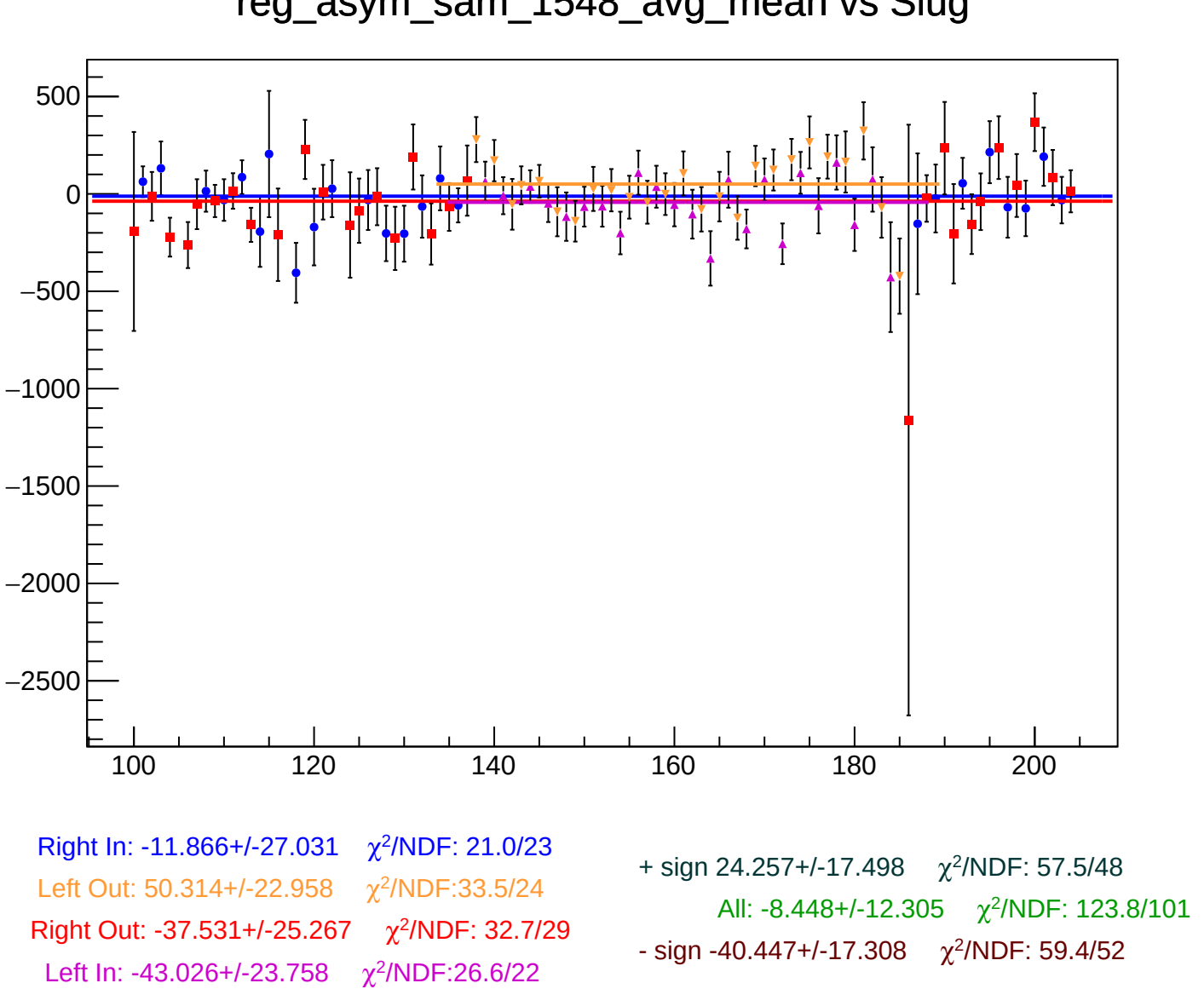
Right Out: 0.000+/-0.000 χ^2/NDF: 7121200.7/29

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

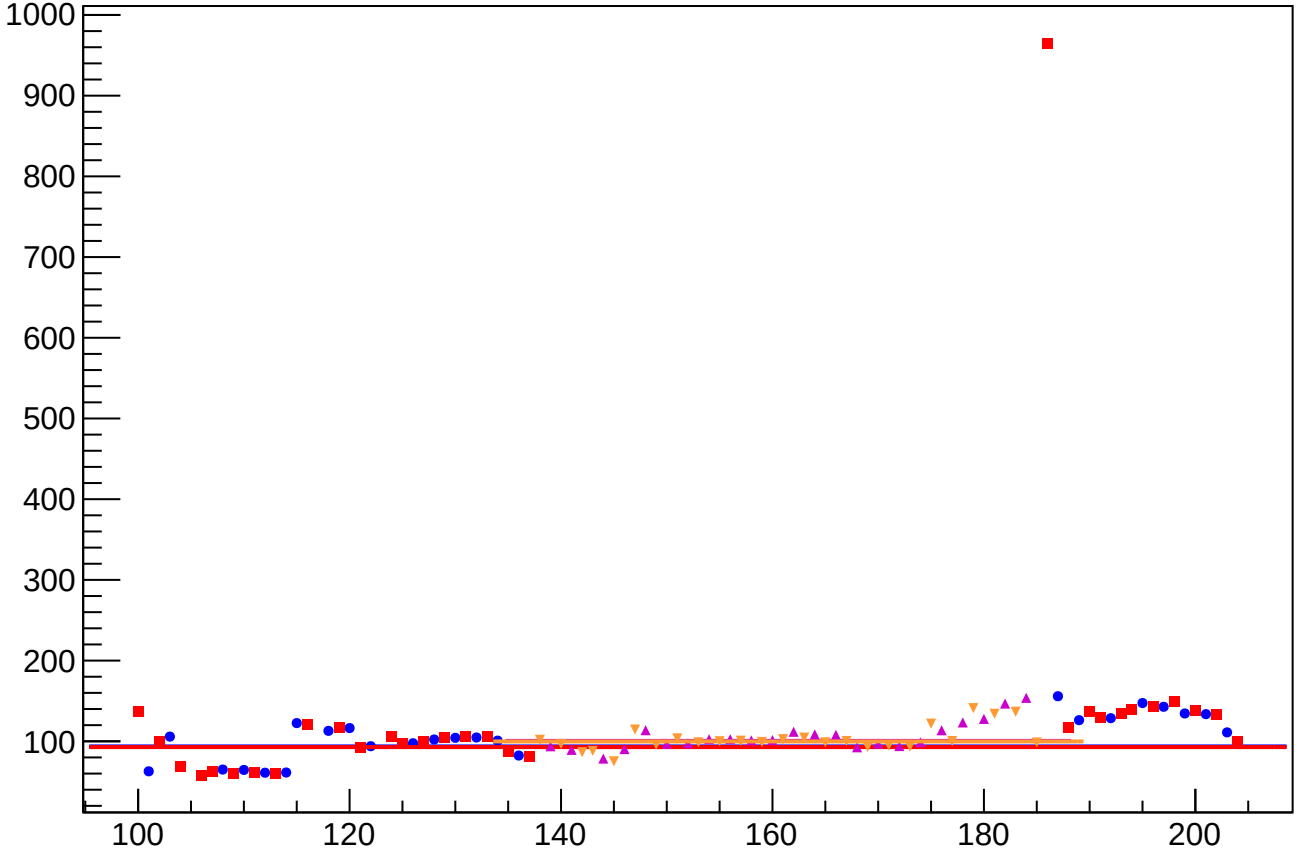
+ sign 0.000+/-0.000 χ^2/NDF: 10146638.2/48

All: 0.000+/-0.000 χ^2/NDF: 22432440.0/101

- sign 0.000+/-0.000 χ^2/NDF: 12200427.4/52


reg_asym_sam_1548_avg_mean vs Slug
500
0
−500
−1000
−1500
−2000
−2500
100
120
140
160
180
200
Right In: -11.866+/-27.031 χ²/NDF: 21.0/23
Left Out: 50.314+/-22.958 χ²/NDF:33.5/24
Right Out: -37.531+/-25.267 χ²/NDF: 32.7/29
Left In: -43.026+/-23.758 χ²/NDF:26.6/22
+ sign 24.257+/-17.498 χ²/NDF: 57.5/48
All: -8.448+/-12.305 χ²/NDF: 123.8/101
- sign -40.447+/-17.308 χ²/NDF: 59.4/52

reg_asym_sam_1548_avg_rms vs Slug



Right In: 93.637+/-0.019 χ^2/NDF: 2151974.4/23

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 92.809+/-0.018 χ^2/NDF: 3409948.2/29

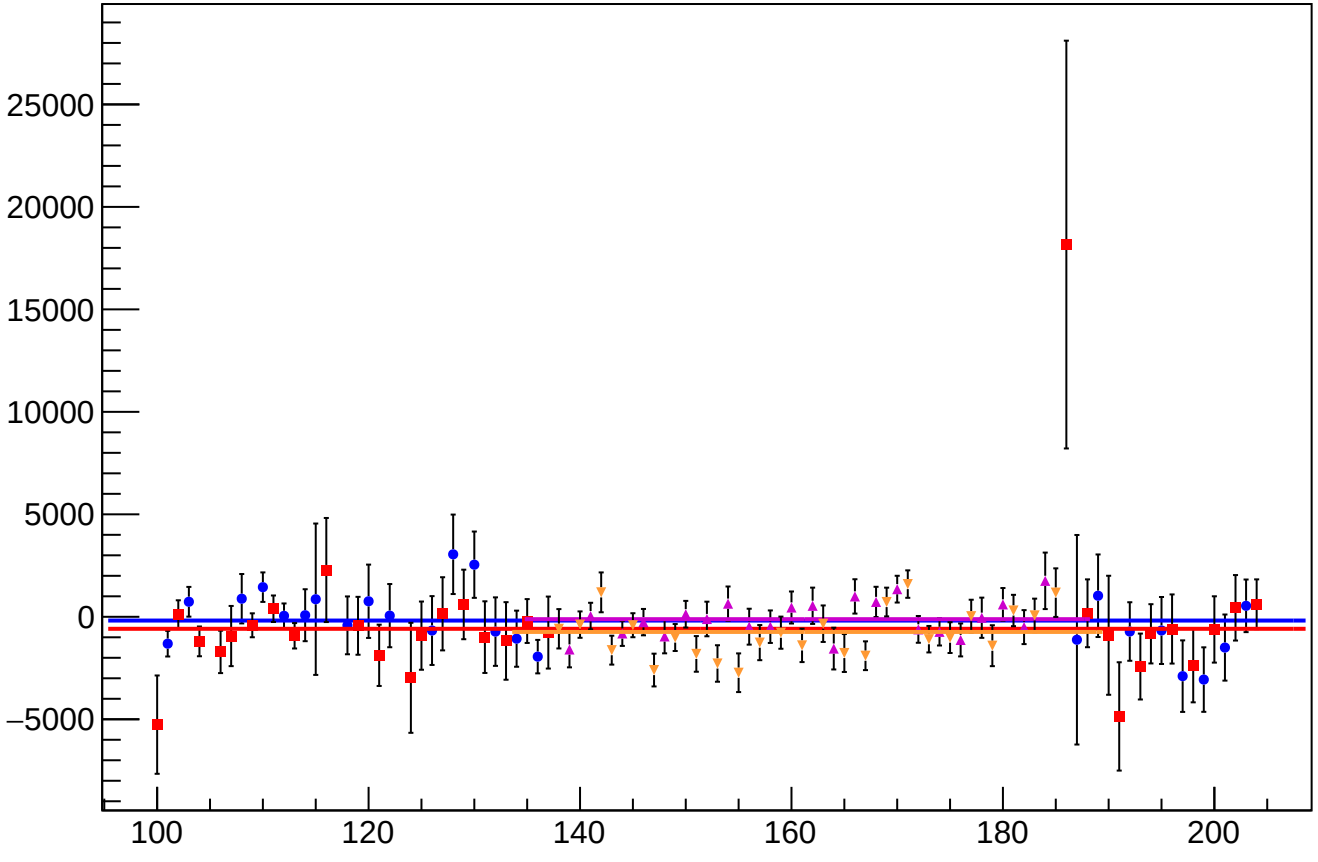
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 97.240+/-0.012 χ^2/NDF: 2910909.3/48

All: 97.063+/-0.009 χ^2/NDF: 7076411.2/101

- sign 96.890+/-0.012 χ^2/NDF: 4165097.2/52

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -182.672+/-235.615 χ^2/NDF: 29.6/23

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -585.586+/-217.203 χ^2/NDF: 23.4/29

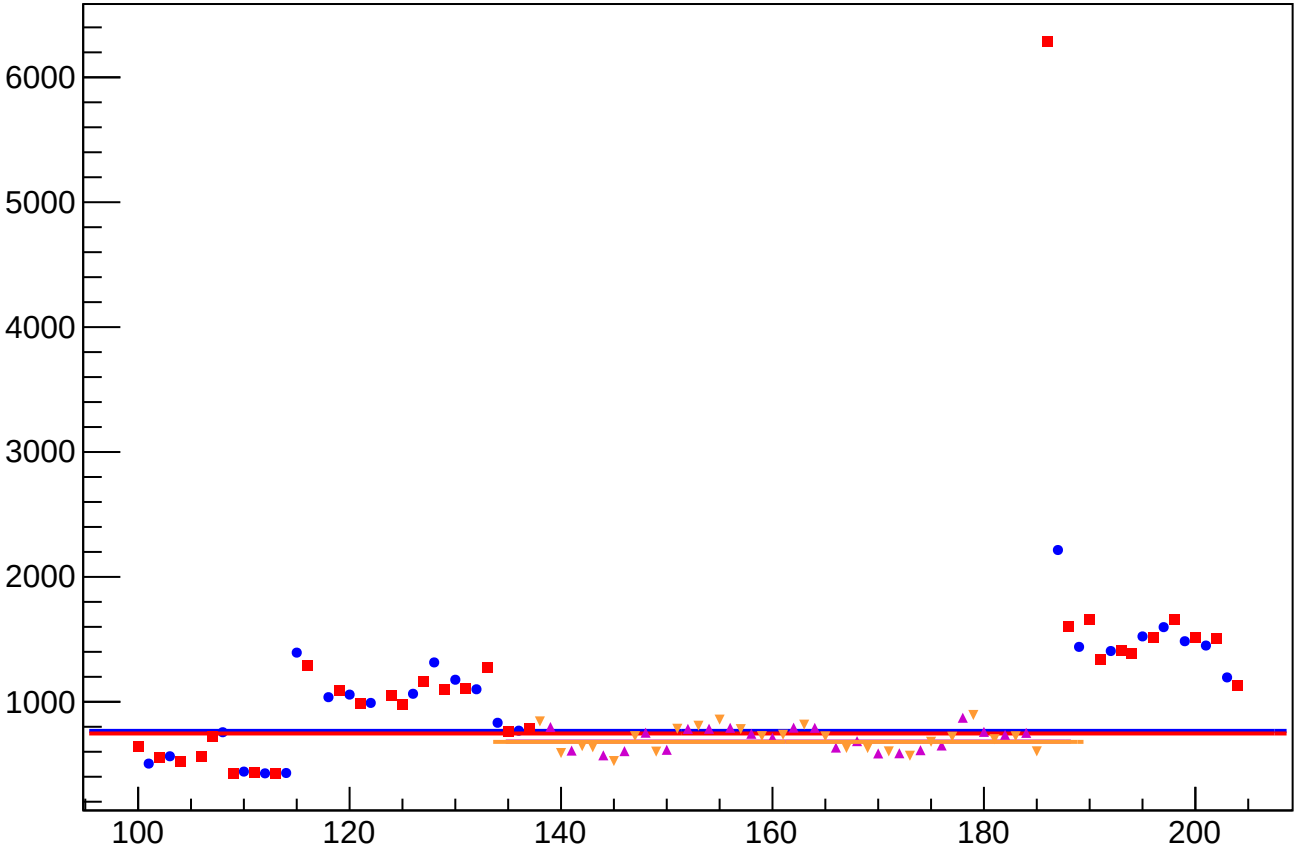
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -568.537+/-130.254 χ^2/NDF: 83.1/48

All: -424.393+/-91.777 χ^2/NDF: 135.7/101

- sign -282.271+/-129.336 χ^2/NDF: 50.2/52

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 767.189+/-0.167 χ^2/NDF: 5016912.0/23

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

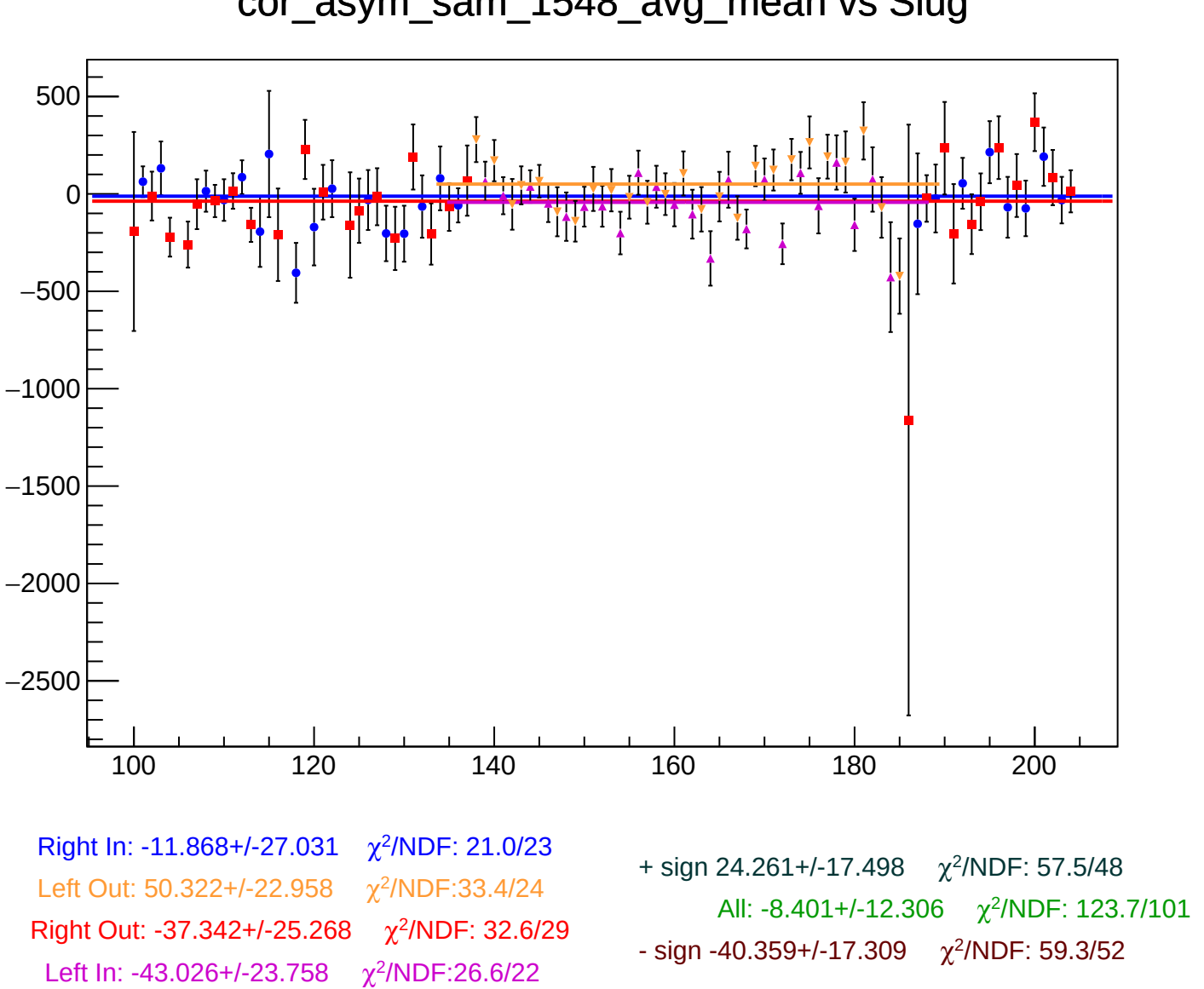
Right Out: 746.367+/-0.154 χ^2/NDF: 7015192.2/29

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

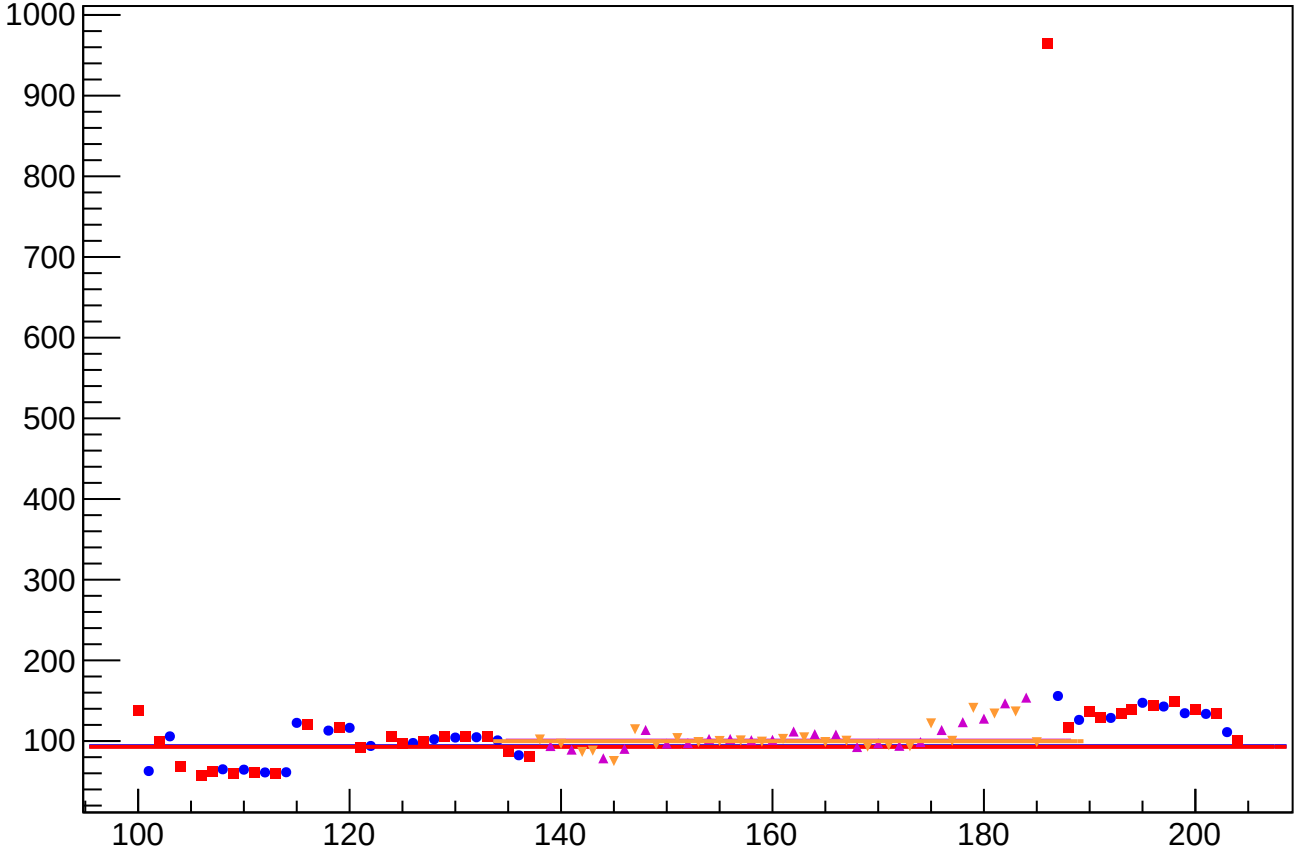
+ sign 706.054+/-0.092 χ^2/NDF: 5948248.7/48

All: 705.399+/-0.065 χ^2/NDF: 13651094.3/10

- sign 704.754+/-0.091 χ^2/NDF: 7702745.4/52


cor_asym_sam_1548_avg_mean vs Slug
500
0
−500
−1000
−1500
−2000
−2500
100
120
140
160
180
200
Right In: -11.868+/-27.031 χ²/NDF: 21.0/23
Left Out: 50.322+/-22.958 χ²/NDF:33.4/24
Right Out: -37.342+/-25.268 χ²/NDF: 32.6/29
Left In: -43.026+/-23.758 χ²/NDF:26.6/22
+ sign 24.261+/-17.498 χ²/NDF: 57.5/48
All: -8.401+/-12.306 χ²/NDF: 123.7/101
- sign -40.359+/-17.309 χ²/NDF: 59.3/52

cor_asym_sam_1548_avg_rms vs Slug



Right In: 93.637+/-0.019 χ^2/NDF: 2151975.7/23

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

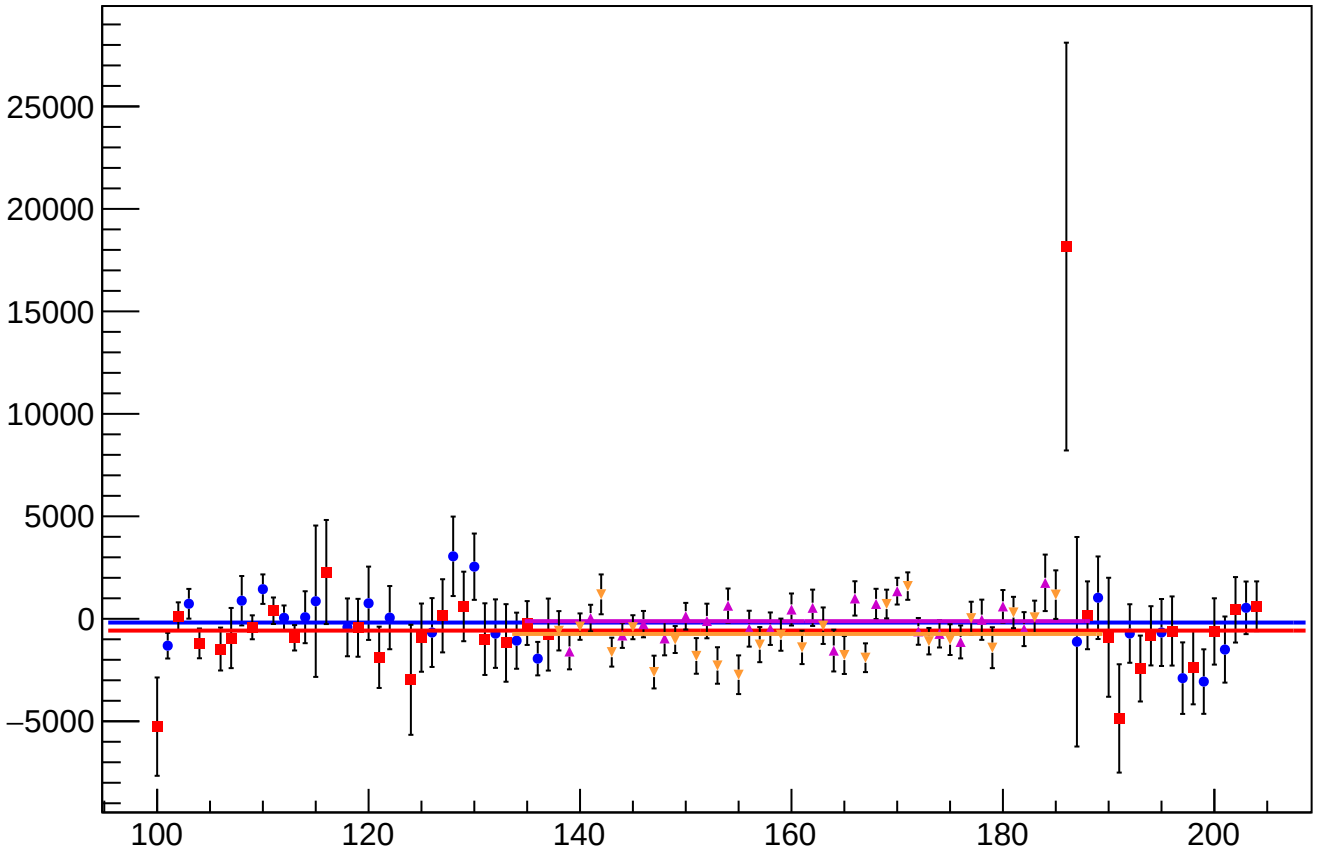
Right Out: 92.797+/-0.018 χ^2/NDF: 3413236.7/29

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 97.240+/-0.012 χ^2/NDF: 2910910.3/48

All: 97.060+/-0.009 χ^2/NDF: 7080016.3/101

- sign 96.884+/-0.012 χ^2/NDF: 4168688.5/52



Right In: -182.696+/-235.618 χ^2/NDF: 29.6/23

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -574.877+/-217.315 χ^2/NDF: 22.9/29

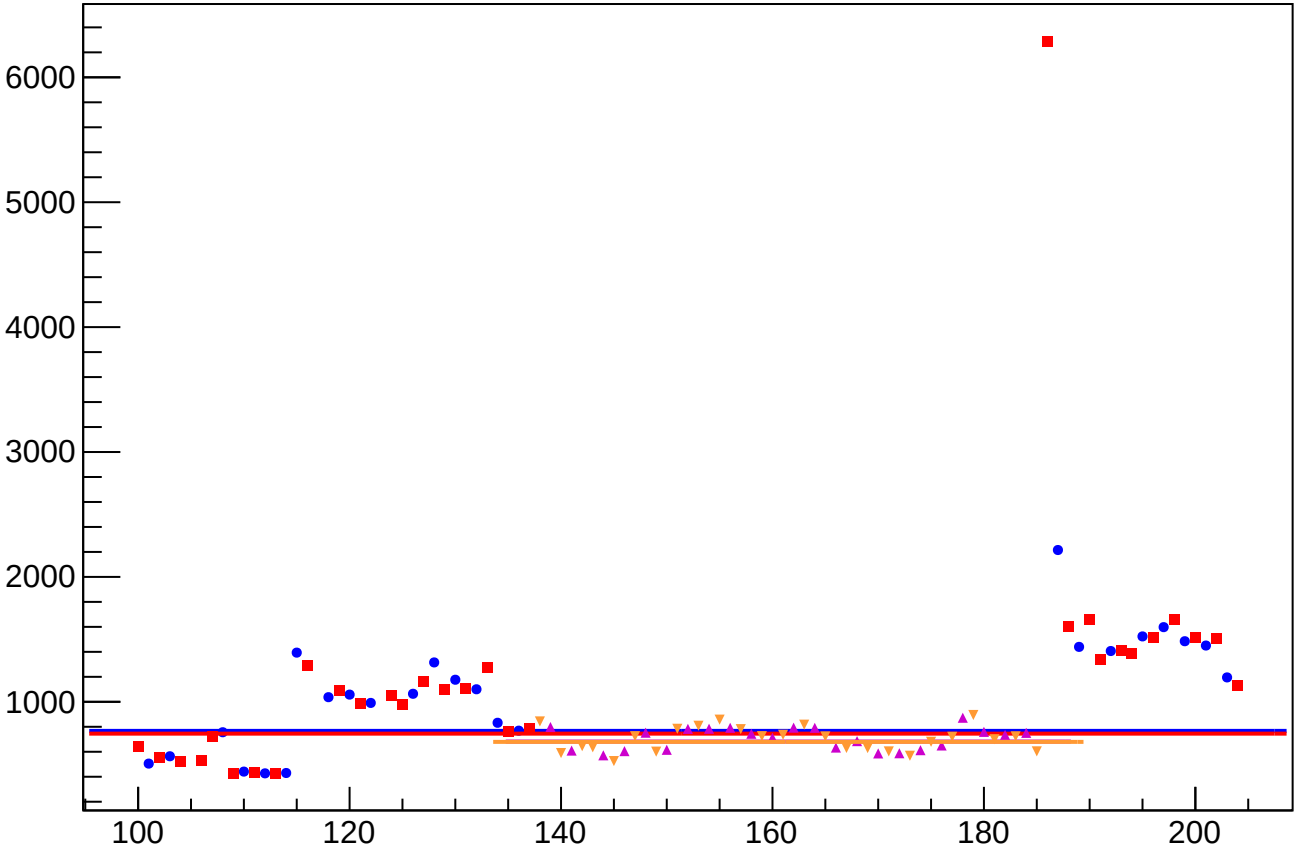
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -568.538+/-130.254 χ^2/NDF: 83.1/48

All: -422.453+/-91.786 χ^2/NDF: 135.2/101

- sign -278.366+/-129.360 χ^2/NDF: 49.6/52

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 767.200+/-0.167 χ^2/NDF: 5016793.3/23

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 745.124+/-0.154 χ^2/NDF: 7038189.1/29

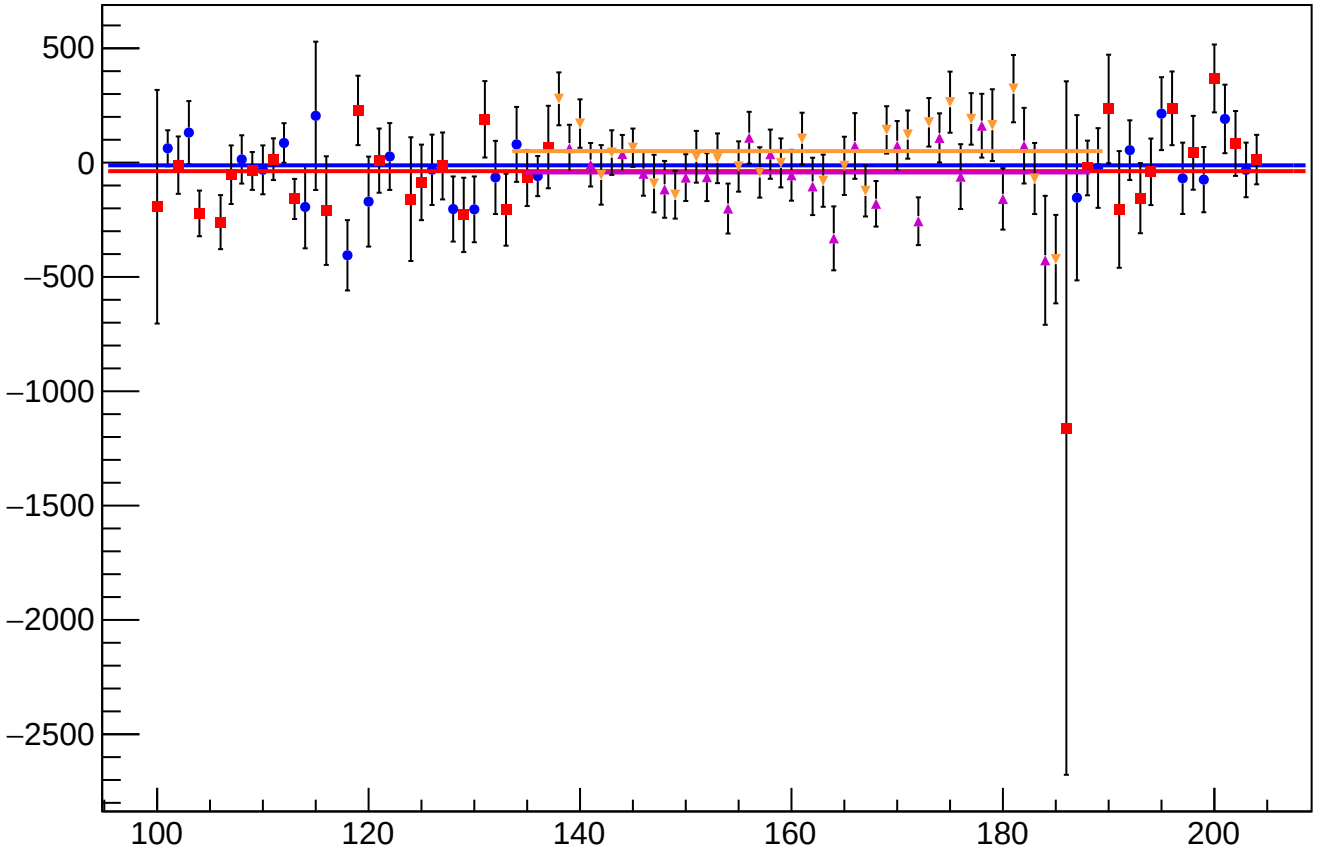
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 706.056+/-0.092 χ^2/NDF: 5948170.9/48

All: 705.171+/-0.065 χ^2/NDF: 13669679.3/10

- sign 704.298+/-0.091 χ^2/NDF: 7721324.9/52

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -11.868+/-27.031 χ^2/NDF: 21.0/23

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -37.342+/-25.268 χ^2/NDF: 32.6/29

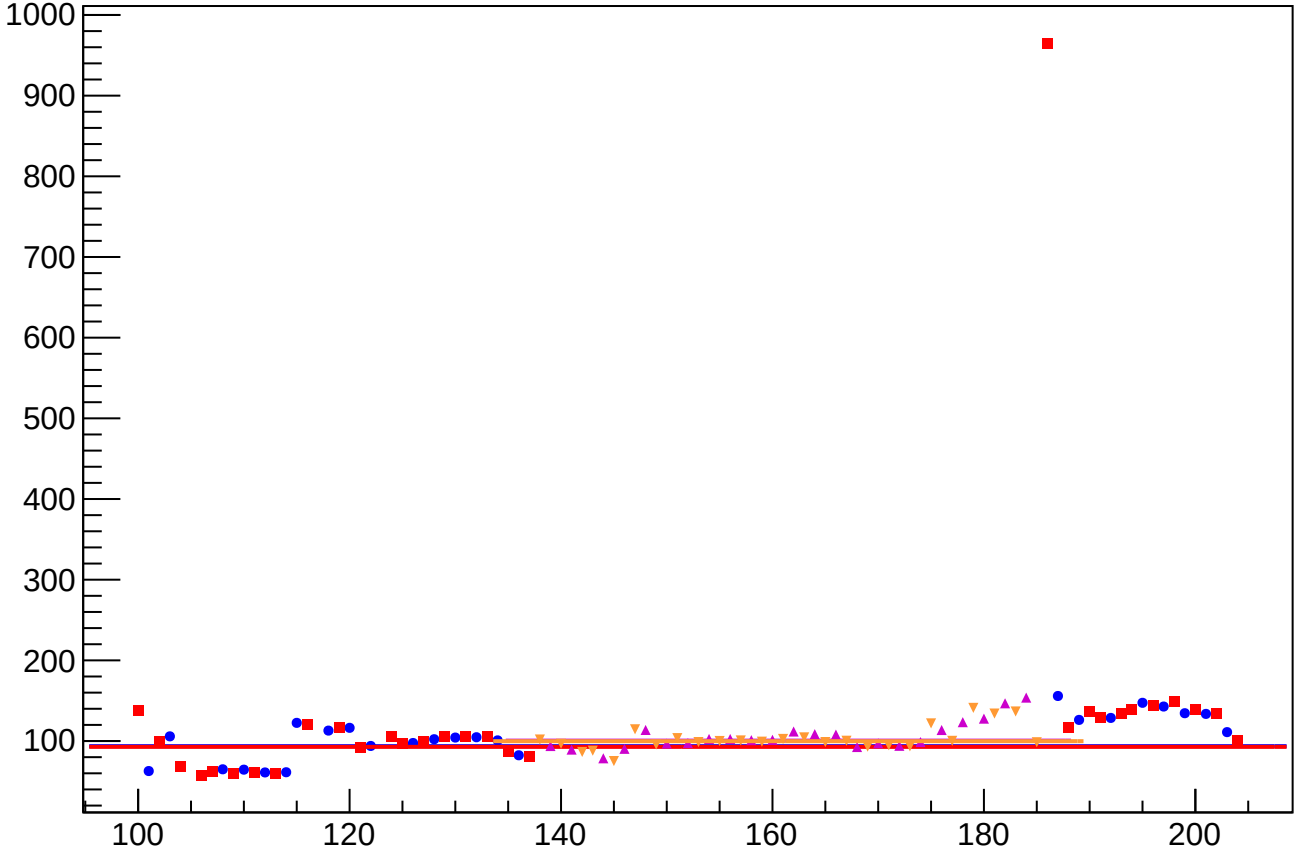
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 24.261+/-17.498 χ^2/NDF: 57.5/48

All: -8.401+/-12.306 χ^2/NDF: 123.7/101

- sign -40.359+/-17.309 χ^2/NDF: 59.3/52

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 93.637+/-0.019 χ^2/NDF: 2151975.7/23

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

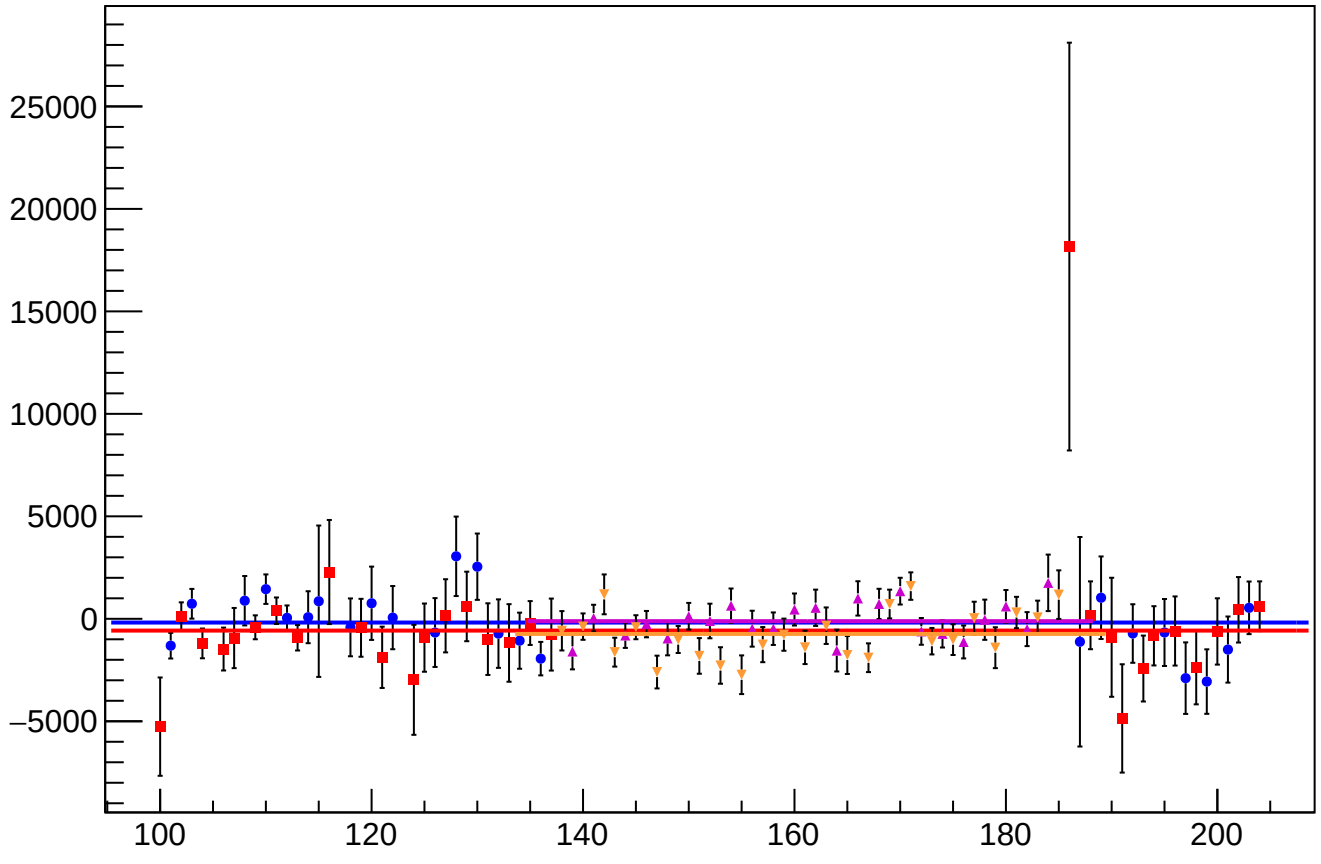
Right Out: 92.797+/-0.018 χ^2/NDF: 3413236.7/29

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 97.240+/-0.012 χ^2/NDF: 2910910.3/48

All: 97.060+/-0.009 χ^2/NDF: 7080016.3/101

- sign 96.884+/-0.012 χ^2/NDF: 4168688.5/52



Right In: -182.696+/-235.618 χ^2/NDF: 29.6/23

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

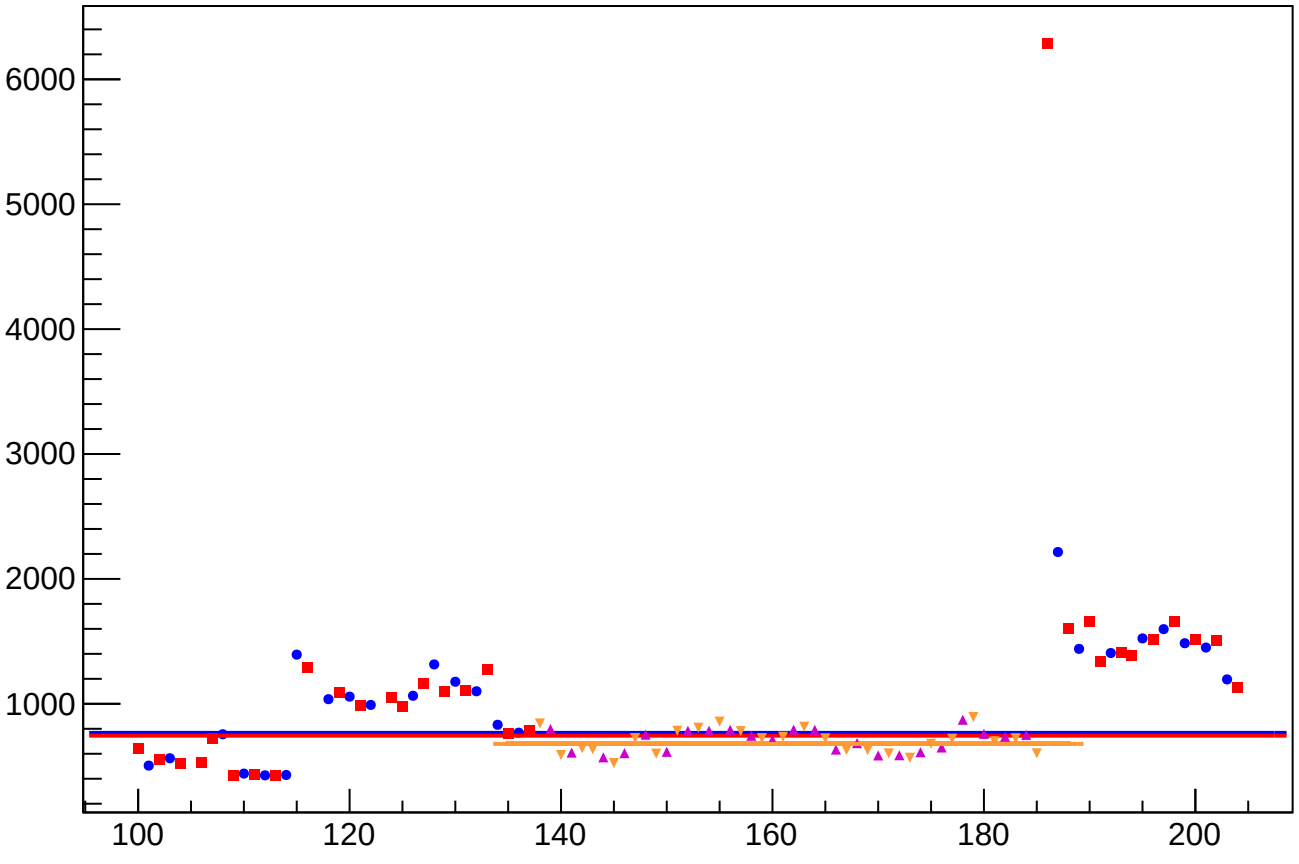
Right Out: -574.877+/-217.315 χ^2/NDF: 22.9/29

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -568.538+/-130.254 χ^2/NDF: 83.1/48

All: -422.453+/-91.786 χ^2/NDF: 135.2/101

- sign -278.366+/-129.360 χ^2/NDF: 49.6/52



Right In: 767.200+/-0.167 χ^2/NDF: 5016793.3/23

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 745.124+/-0.154 χ^2/NDF: 7038189.1/29

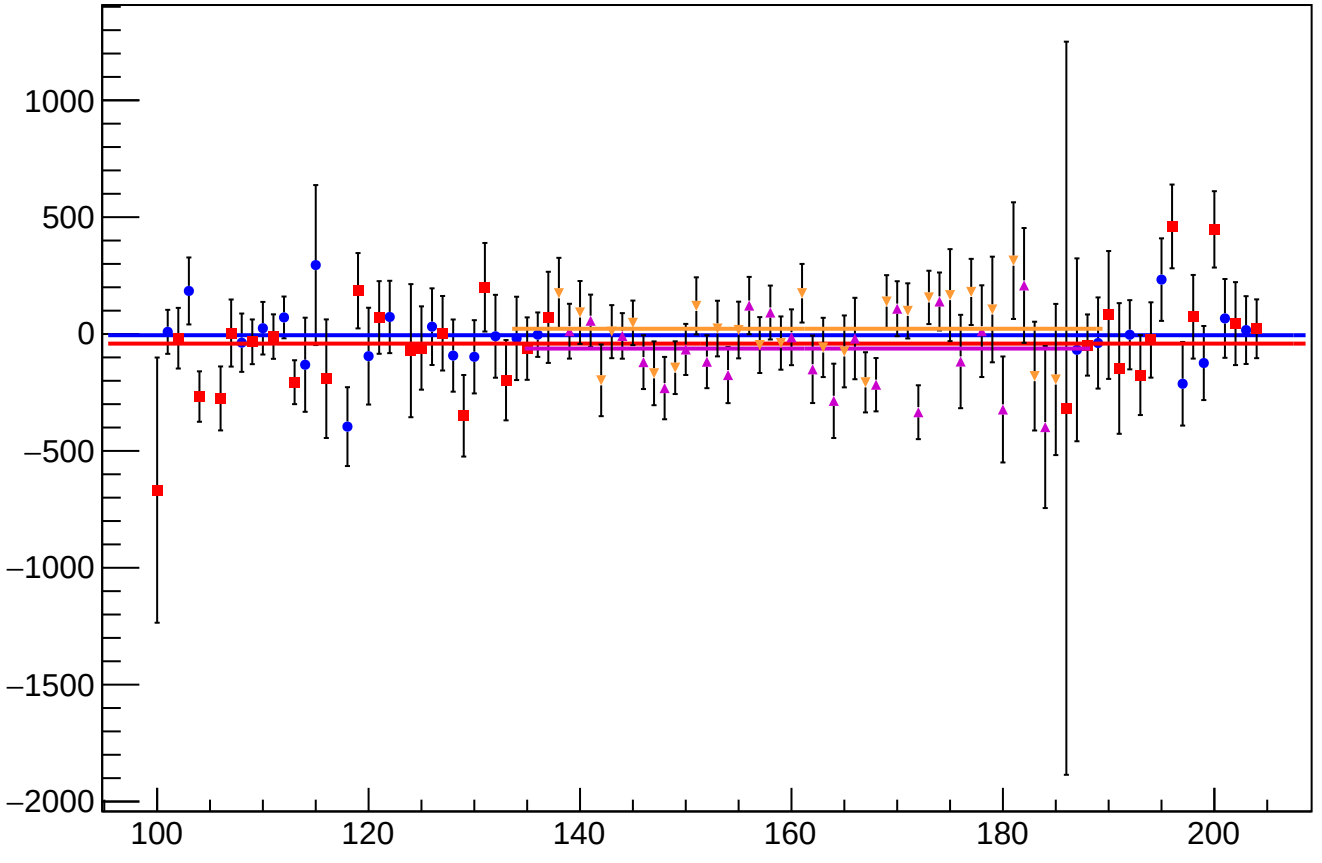
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 706.056+/-0.092 χ^2/NDF: 5948170.9/48

All: 705.171+/-0.065 χ^2/NDF: 13669679.3/10

- sign 704.298+/-0.091 χ^2/NDF: 7721324.9/52

dit_asym_sam_1548_avg_mean vs Slug



Right In: -5.051+/-29.858 χ^2/NDF: 14.3/23

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -40.995+/-27.826 χ^2/NDF: 39.5/29

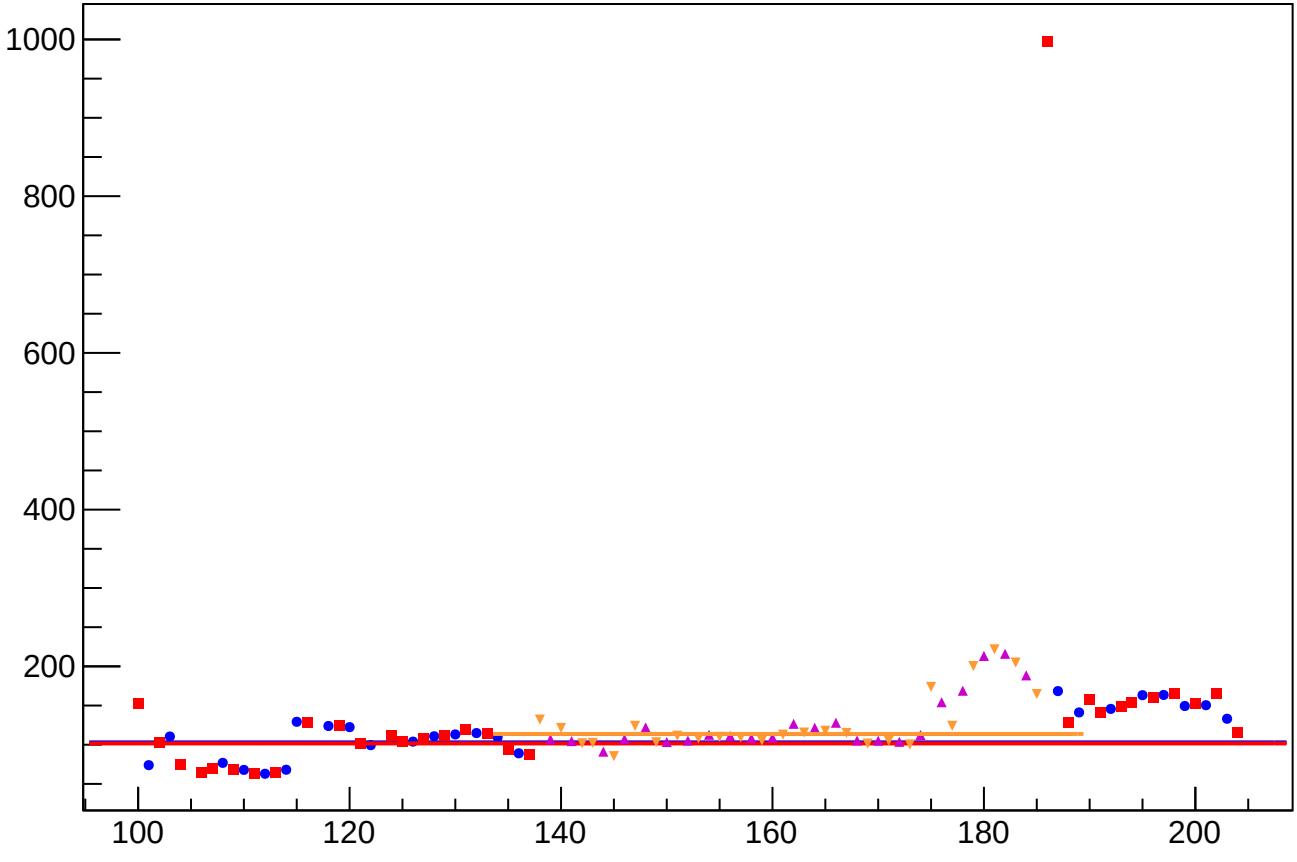
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 10.311+/-19.879 χ^2/NDF: 36.4/48

All: -21.325+/-13.921 χ^2/NDF: 108.4/101

- sign -51.769+/-19.501 χ^2/NDF: 67.1/52

dit_asym_sam_1548_avg_rms vs Slug



Right In: 102.994+/-0.021 χ^2/NDF: 2247071.2/23

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 101.641+/-0.020 χ^2/NDF: 3558453.0/29

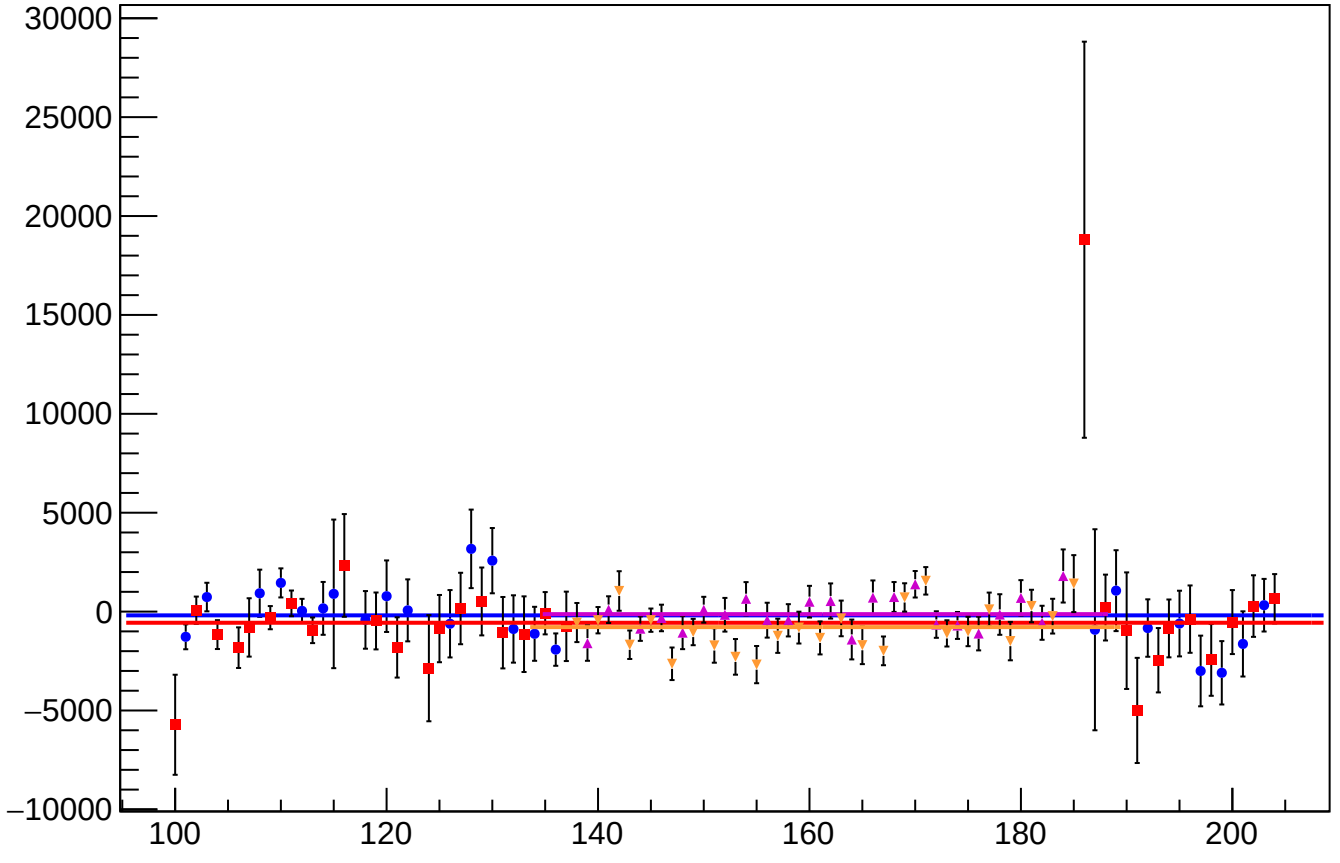
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 108.991+/-0.014 χ^2/NDF: 3971906.6/48

All: 108.366+/-0.010 χ^2/NDF: 9040678.0/101

- sign 107.765+/-0.014 χ^2/NDF: 5064894.7/52

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -189.829+/-238.281 χ^2/NDF: 29.3/23

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -563.919+/-219.567 χ^2/NDF: 24.1/29

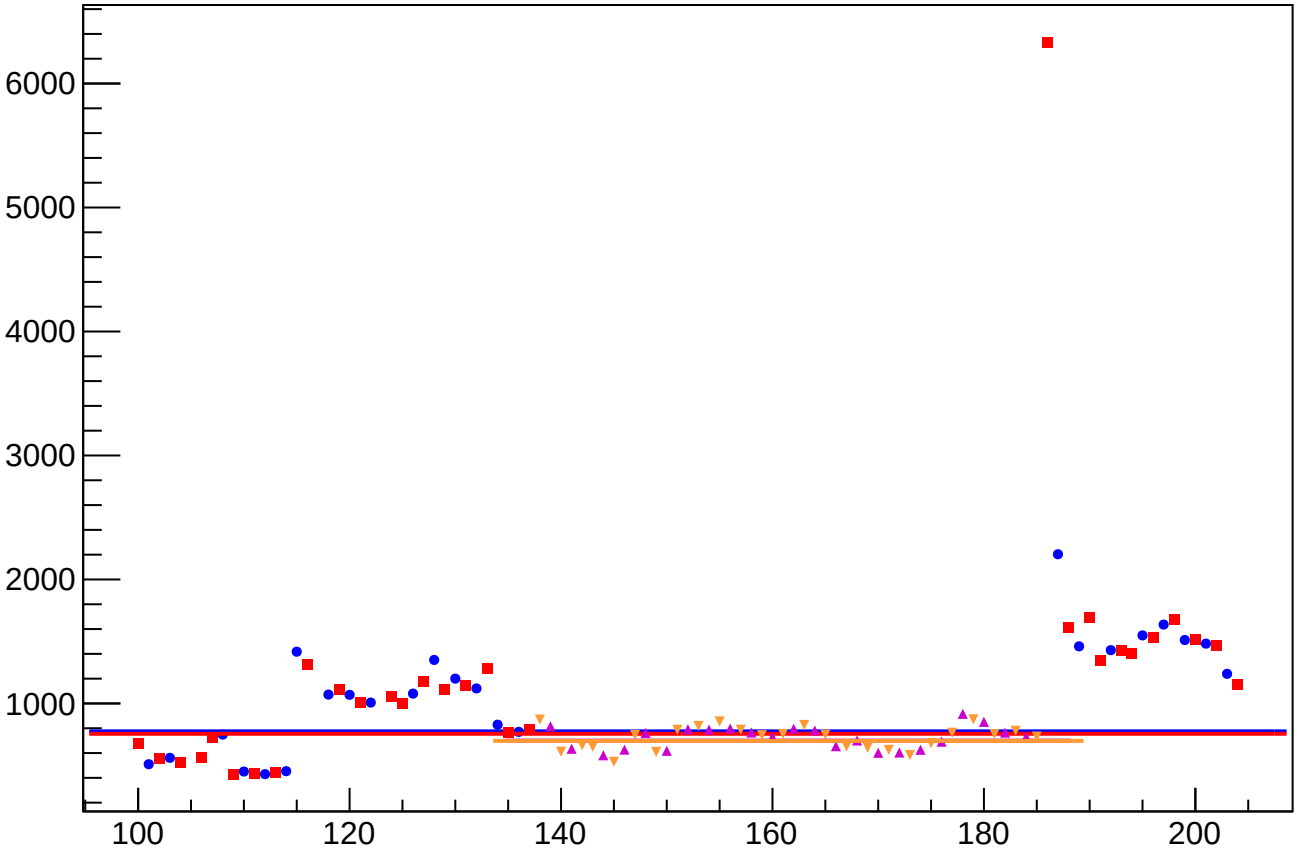
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -598.784+/-133.108 χ^2/NDF: 79.0/48

All: -440.996+/-93.740 χ^2/NDF: 131.1/101

- sign -285.737+/-132.036 χ^2/NDF: 49.4/52

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 774.863+/-0.168 χ^2/NDF: 5093926.5/23

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 755.549+/-0.155 χ^2/NDF: 6975961.5/29

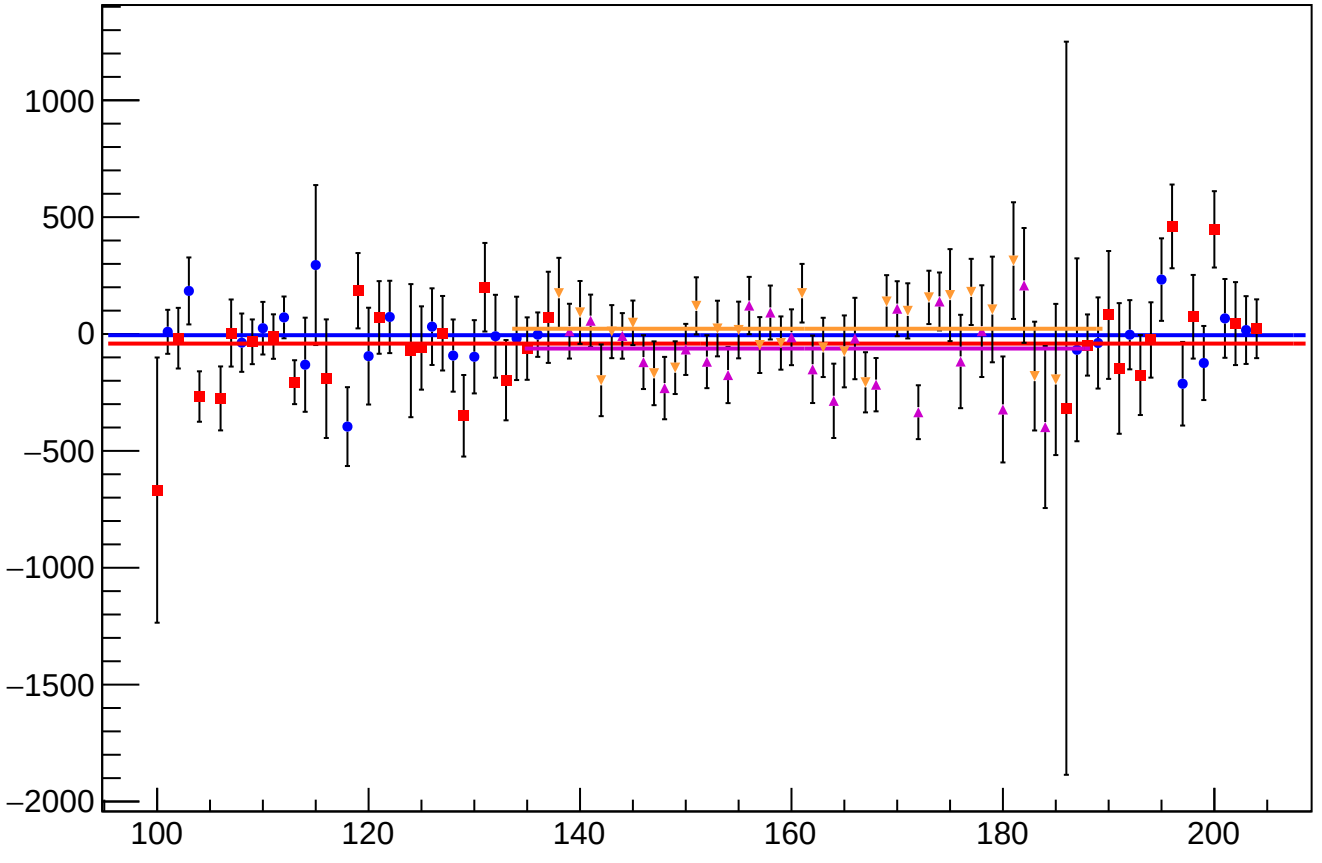
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 722.148+/-0.094 χ^2/NDF: 5950896.3/48

All: 721.135+/-0.066 χ^2/NDF: 13592894.3/10

- sign 720.138+/-0.093 χ^2/NDF: 7641768.1/52

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -5.050+/-29.858 χ^2/NDF: 14.3/23

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -40.995+/-27.826 χ^2/NDF: 39.5/29

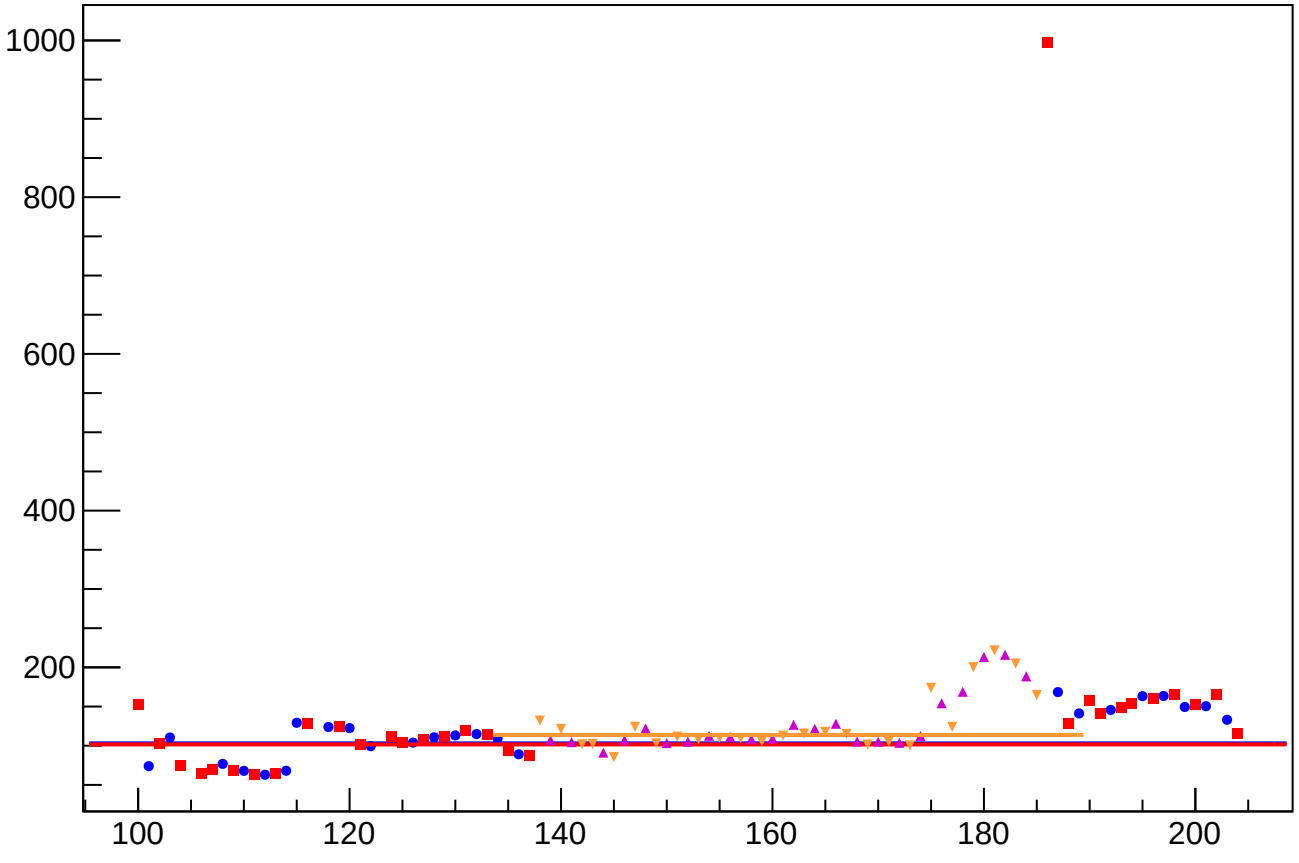
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 10.312+/-19.879 χ^2/NDF: 36.4/48

All: -21.324+/-13.921 χ^2/NDF: 108.4/101

- sign -51.769+/-19.501 χ^2/NDF: 67.1/52

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 102.994+/-0.021 χ^2/NDF: 2247057.9/23

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

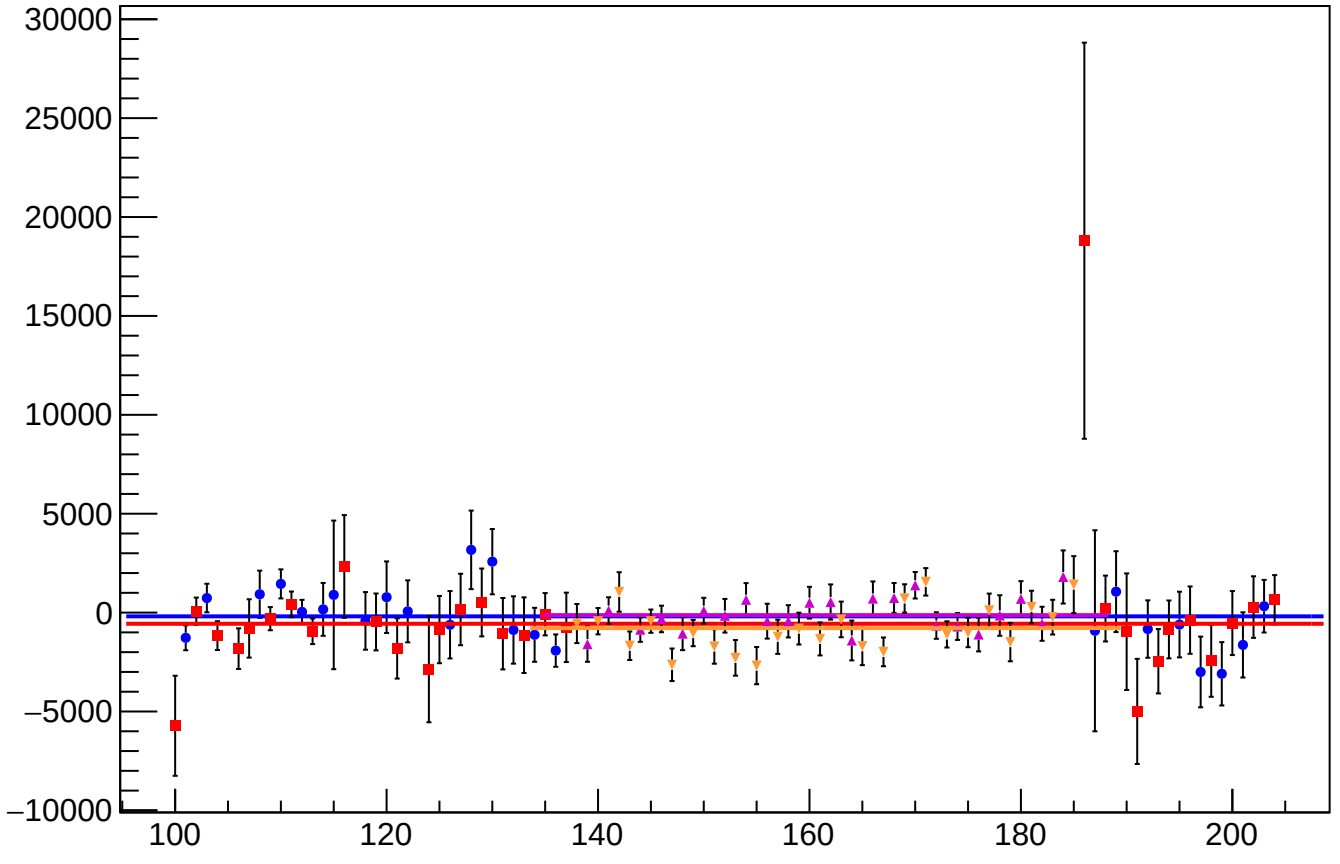
Right Out: 101.641+/-0.020 χ^2/NDF: 3558457.3/29

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 108.991+/-0.014 χ^2/NDF: 3971888.9/48

All: 108.366+/-0.010 χ^2/NDF: 9040649.8/101

- sign 107.765+/-0.014 χ^2/NDF: 5064884.4/52



Right In: -189.829+/-238.281 χ^2/NDF: 29.3/23

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

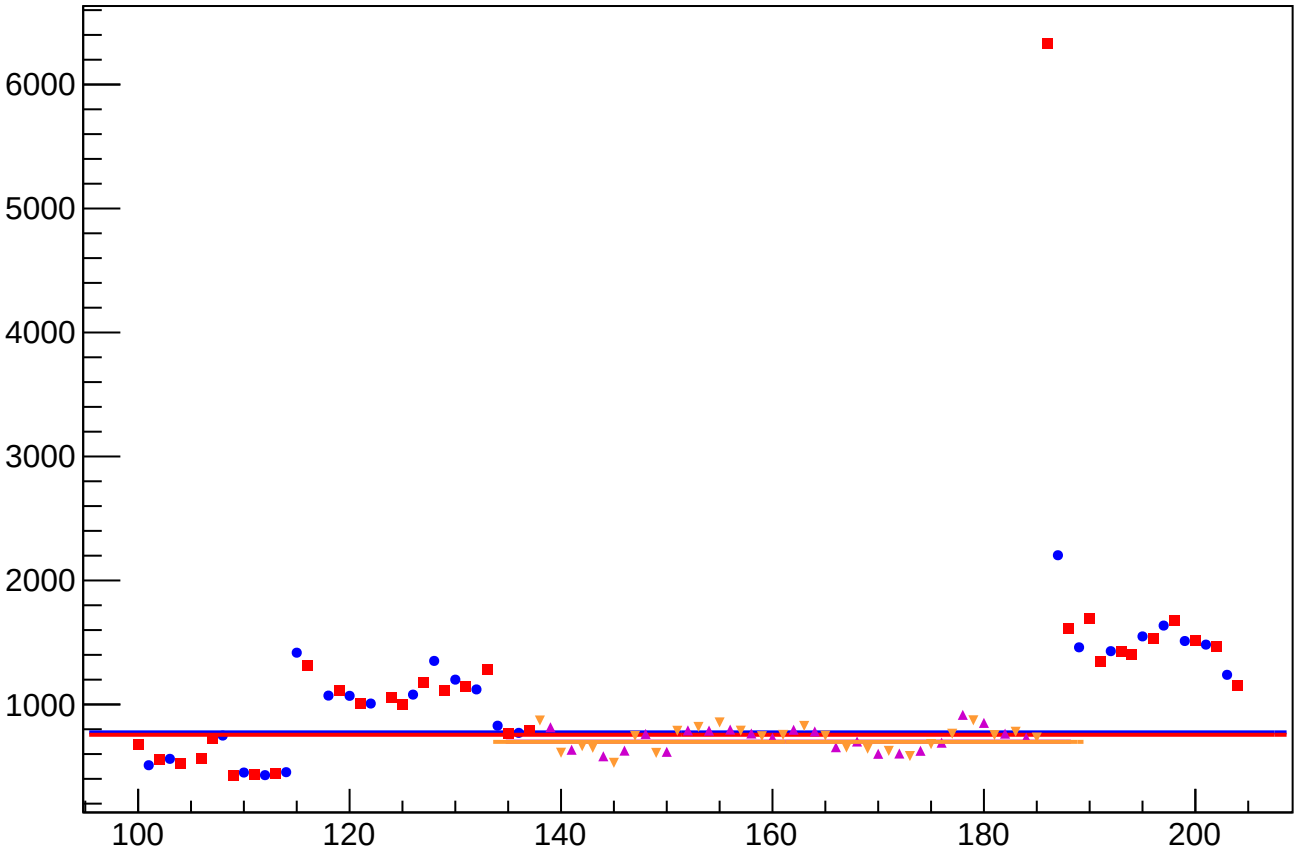
Right Out: -563.918+/-219.566 χ^2/NDF: 24.1/29

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -598.783+/-133.108 χ^2/NDF: 79.0/48

All: -440.994+/-93.740 χ^2/NDF: 131.1/101

- sign -285.736+/-132.036 χ^2/NDF: 49.4/52



Right In: 774.862+/-0.168 χ^2/NDF: 5093926.5/23

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 755.548+/-0.155 χ^2/NDF: 6975956.2/29

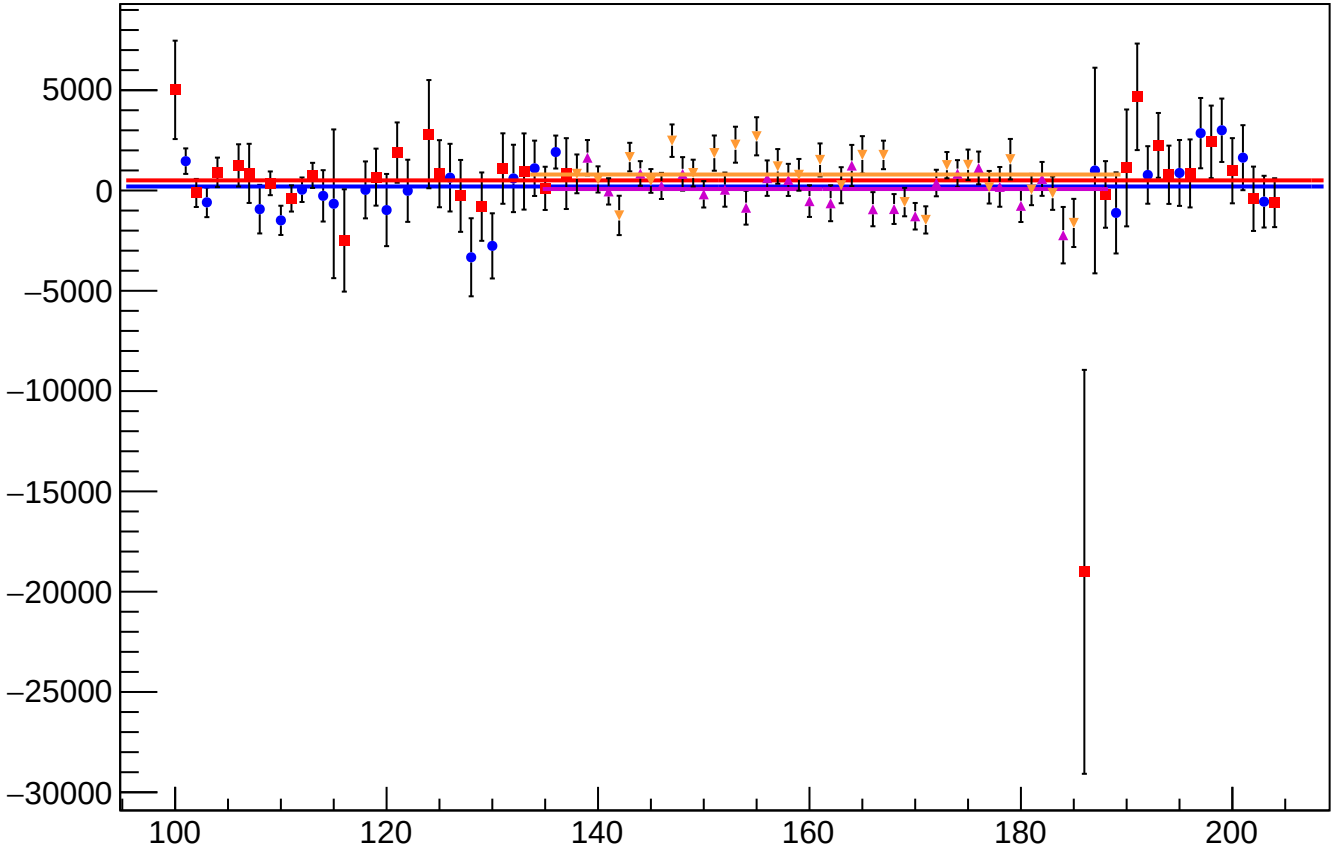
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 722.147+/-0.094 χ^2/NDF: 5950894.4/48

All: 721.134+/-0.066 χ^2/NDF: 13592882.0/10

- sign 720.138+/-0.093 χ^2/NDF: 7641757.7/52

asym_sam_1548_avg_mean vs Slug



Right In: 199.685+/-237.934 χ^2/NDF: 30.9/23

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 504.749+/-219.344 χ^2/NDF: 21.4/29

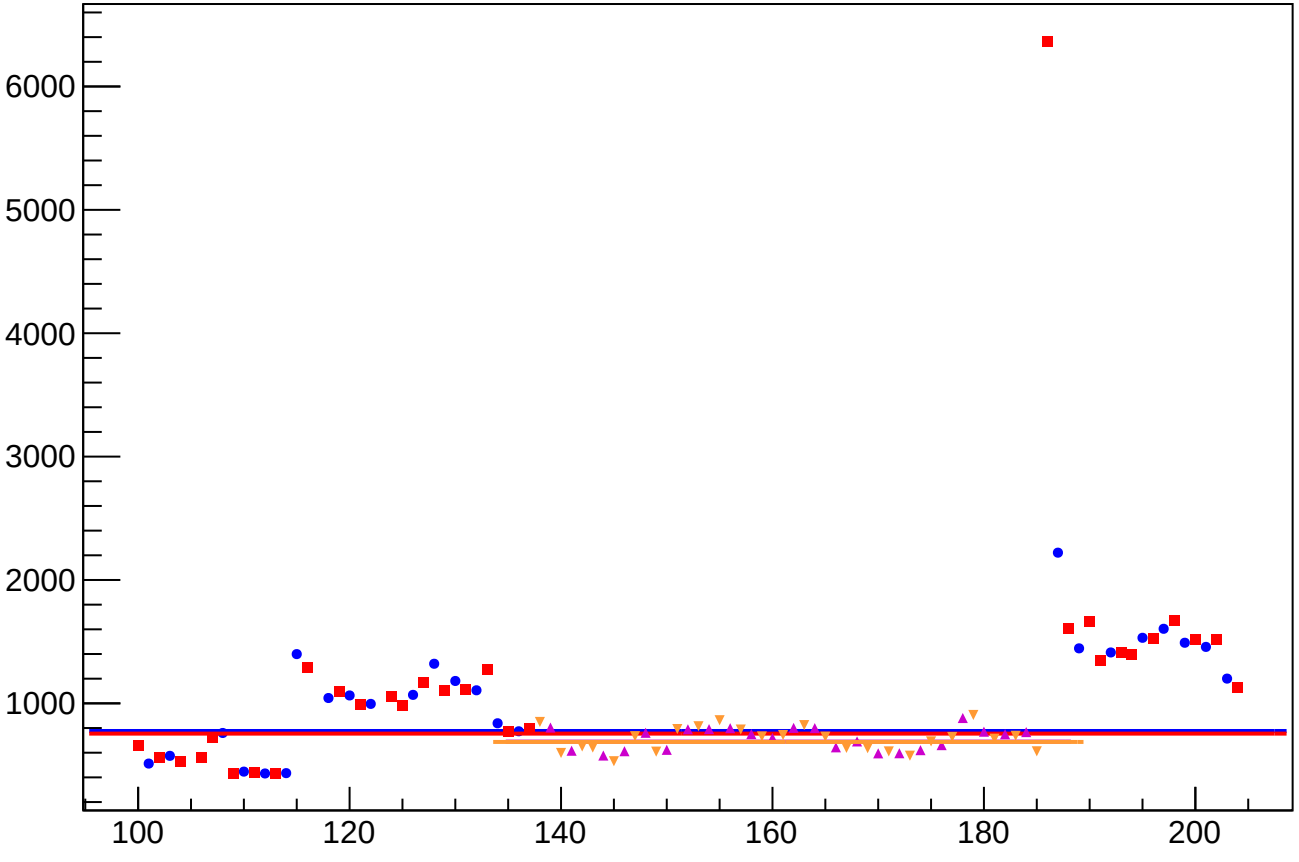
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 613.917+/-131.705 χ^2/NDF: 81.7/48

All: 418.966+/-92.796 χ^2/NDF: 134.8/101

- sign 226.779+/-130.768 χ^2/NDF: 48.7/52

asym_sam_1548_avg_rms vs Slug



Right In: 775.944+/-0.168 χ^2/NDF: 4945693.0/23

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

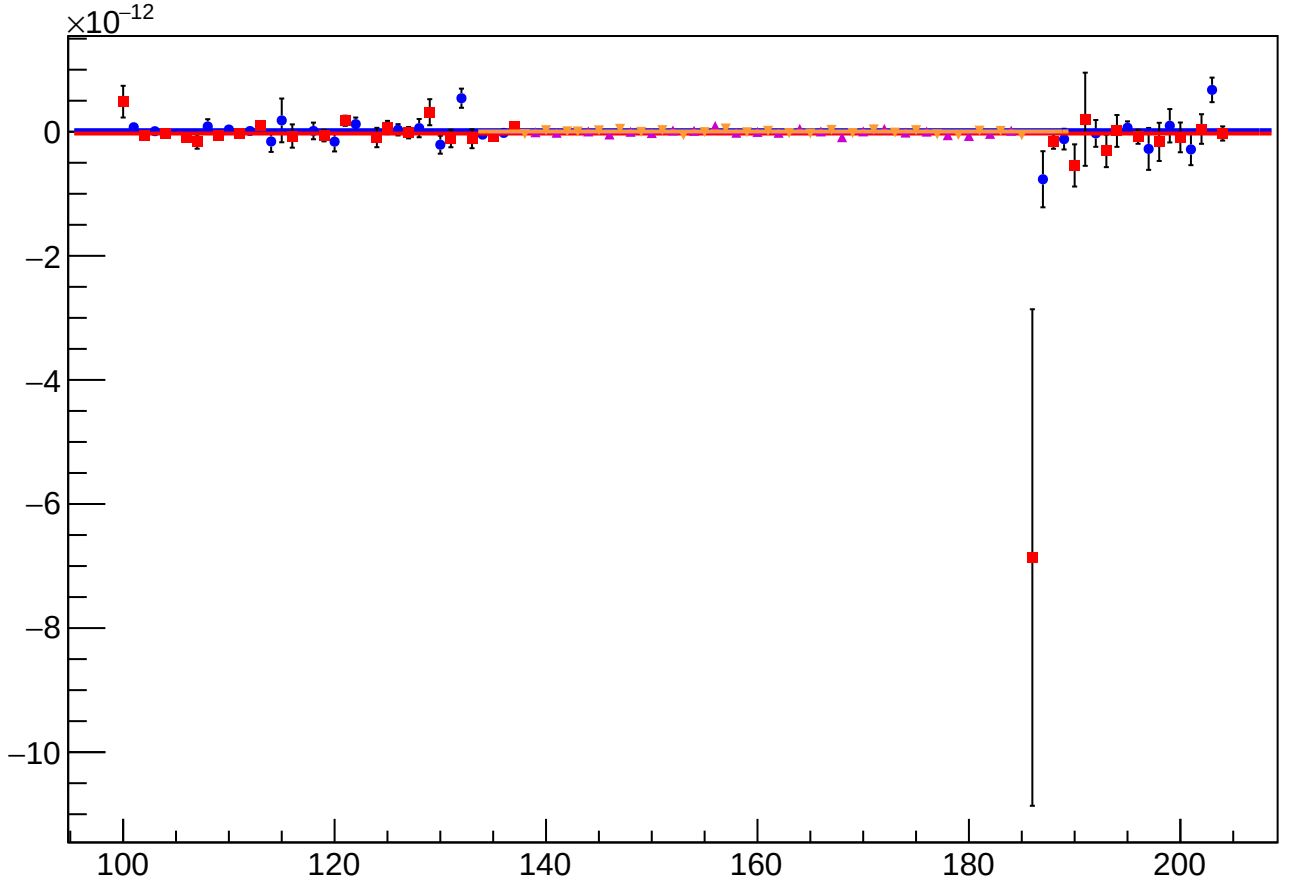
Right Out: 754.705+/-0.155 χ^2/NDF: 6937672.5/29

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 714.421+/-0.093 χ^2/NDF: 5866476.2/48

All: 713.703+/-0.066 χ^2/NDF: 13483547.9/10

- sign 712.996+/-0.092 χ^2/NDF: 7616953.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 40.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

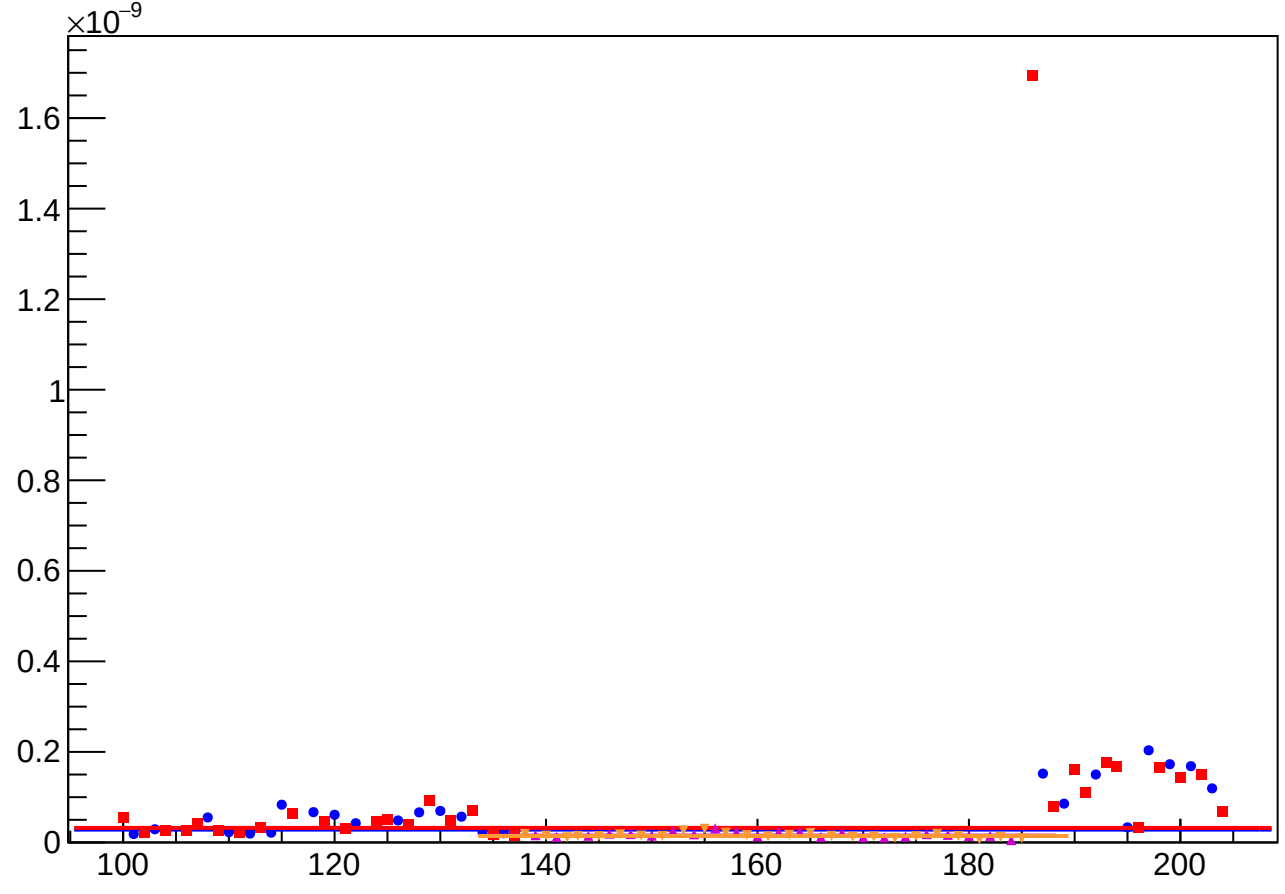
Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/29

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.3/48

All: -0.000+/-0.000 χ^2/NDF: 131.1/101

- sign -0.000+/-0.000 χ^2/NDF: 62.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 4570546.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4766154.6/29

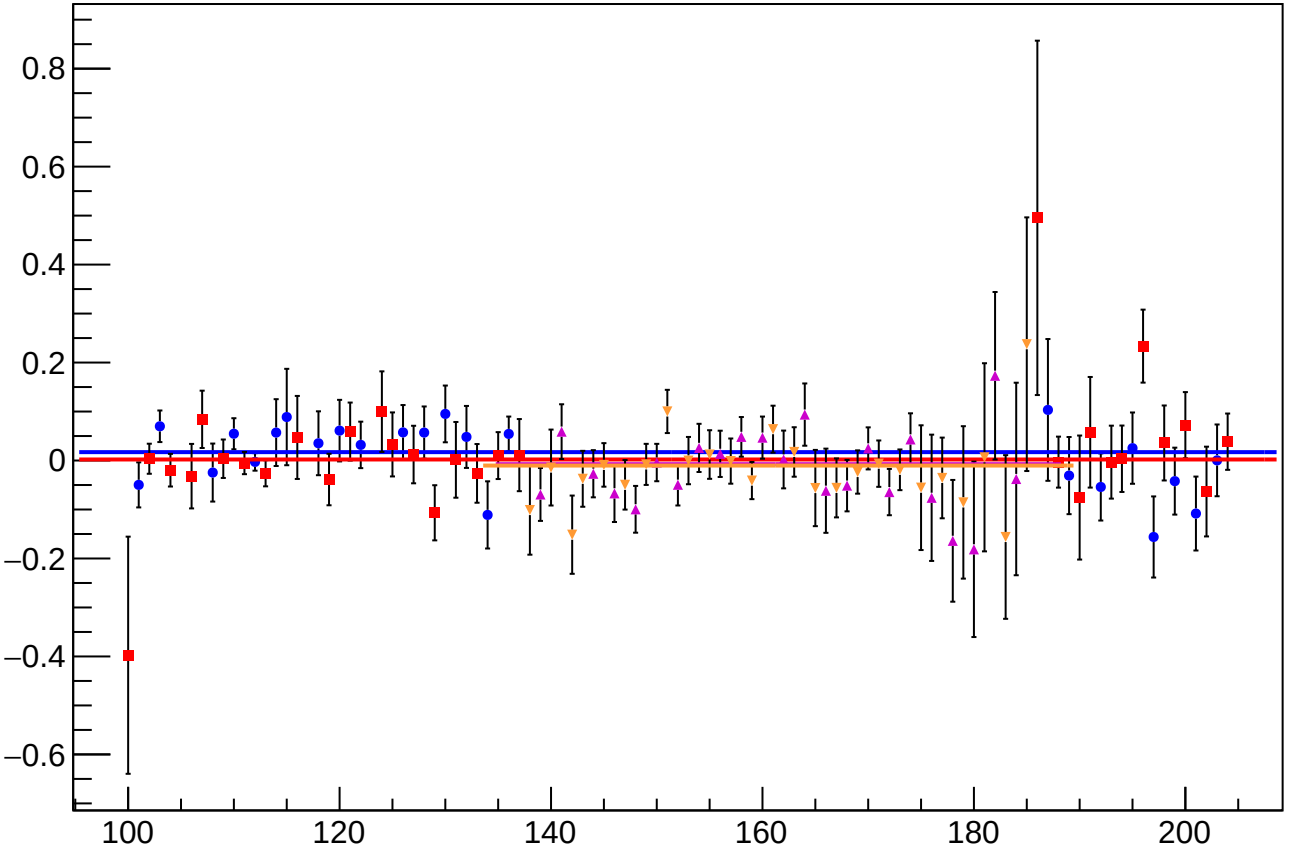
Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7146257.4/48

All: 0.000+/-0.000 χ^2/NDF: 15125436.1/101

- sign 0.000+/-0.000 χ^2/NDF: 7919560.3/52

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.010 χ^2/NDF: 27.0/23

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.002+/-0.009 χ^2/NDF: 28.4/29

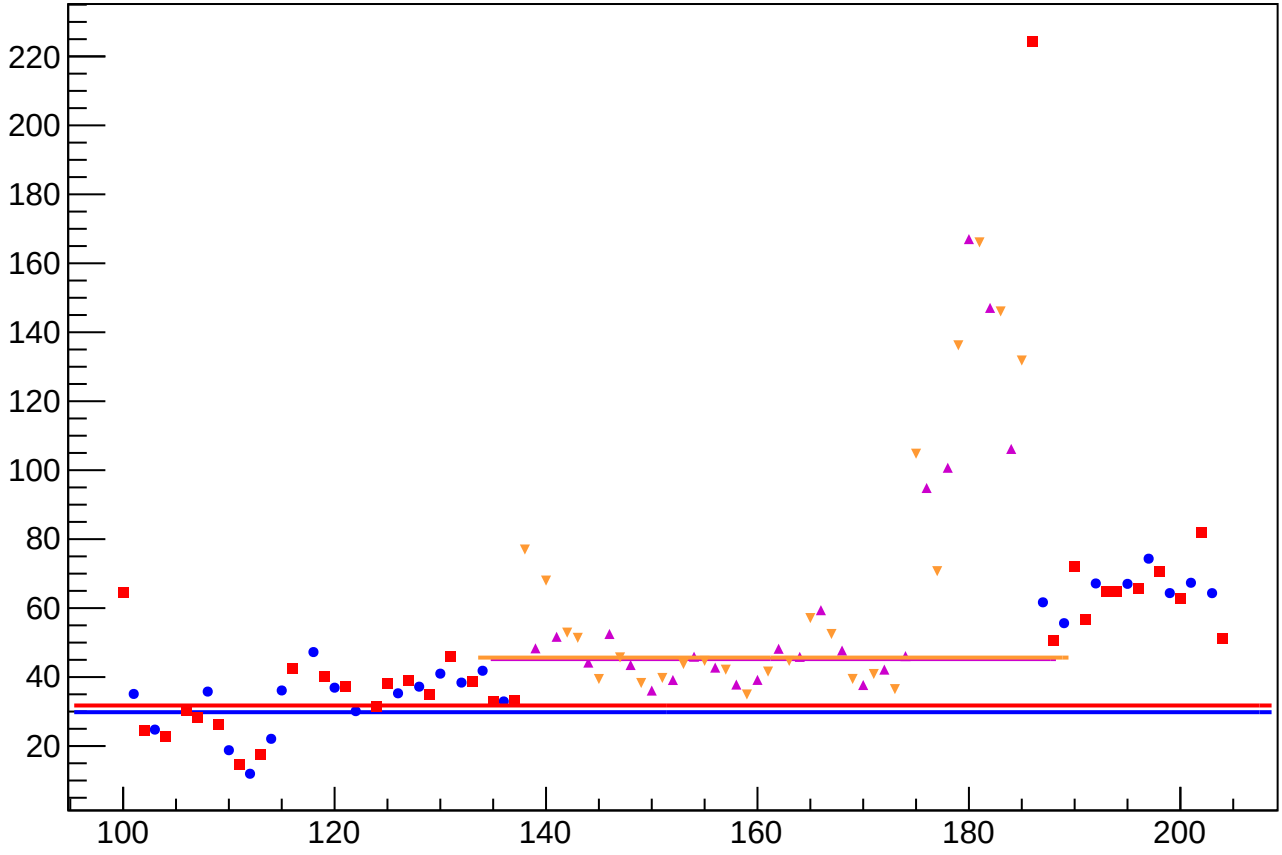
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.005+/-0.007 χ^2/NDF: 48.4/48

All: 0.002+/-0.005 χ^2/NDF: 101.0/101

- sign -0.002+/-0.007 χ^2/NDF: 52.1/52

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.816+/-0.007 χ^2/NDF: 6238072.5/23

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

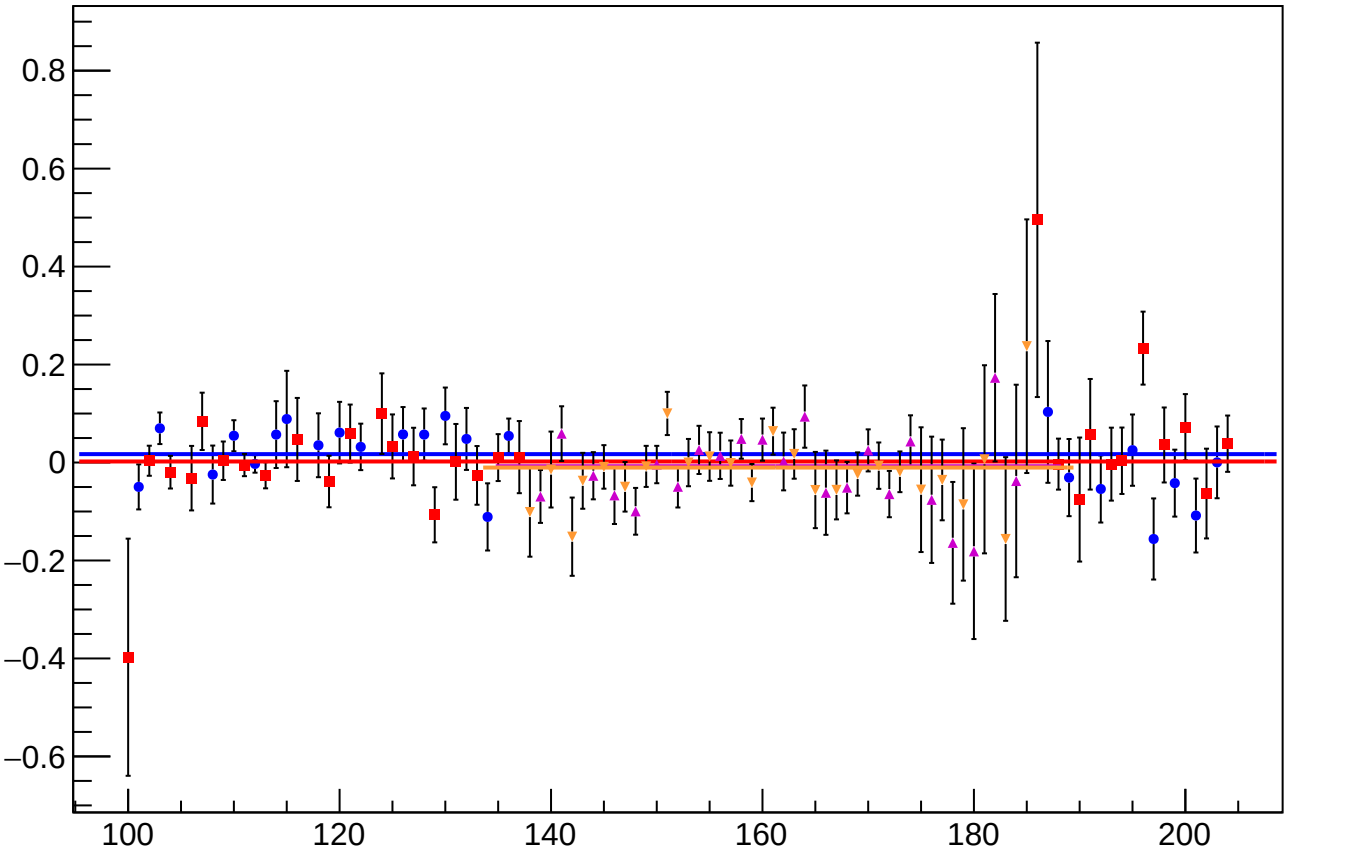
Right Out: 31.760+/-0.007 χ^2/NDF: 6504886.7/29

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 36.541+/-0.005 χ^2/NDF: 12522519.9/48

All: 36.883+/-0.004 χ^2/NDF: 23680647.8/101

- sign 37.218+/-0.005 χ^2/NDF: 11149554.1/52



Right In: 0.017+/-0.010 χ^2/NDF: 27.0/23

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

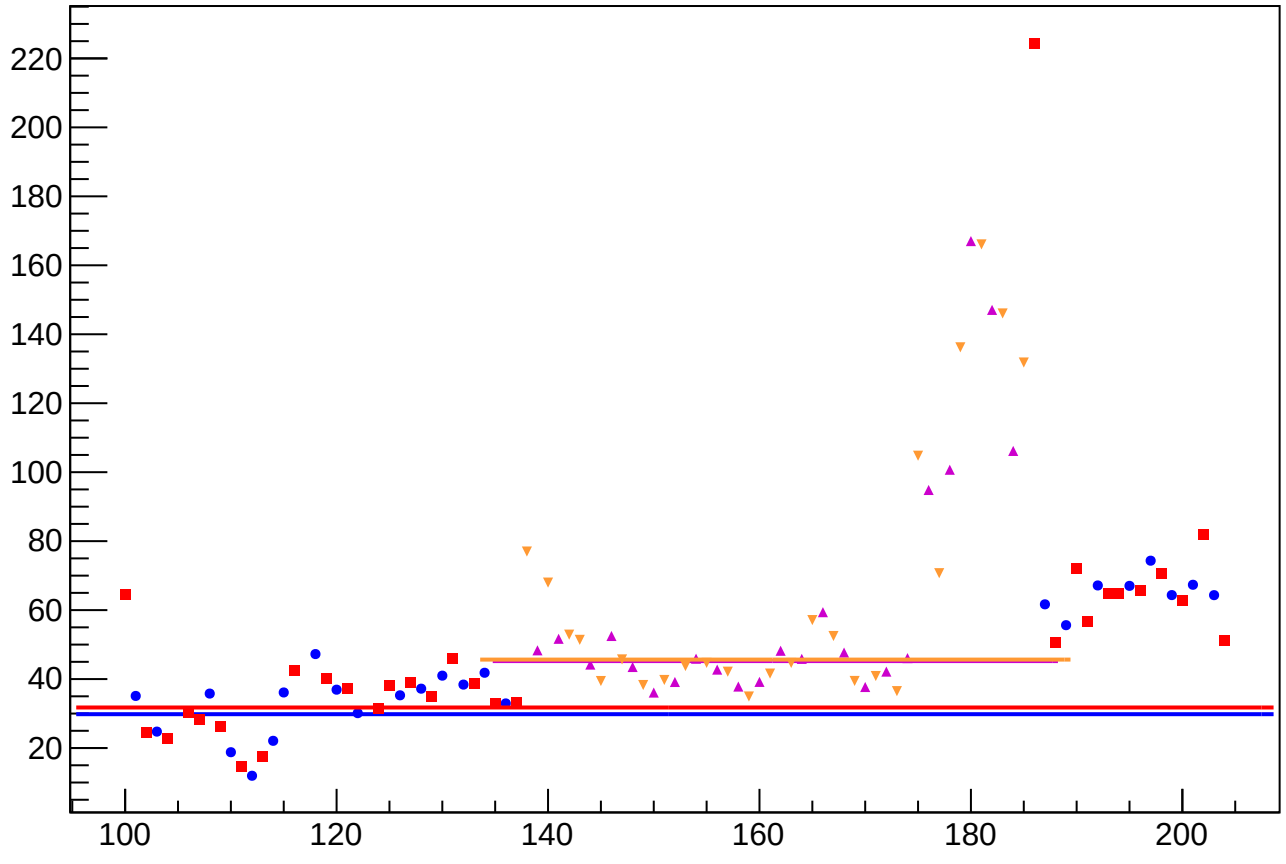
Right Out: 0.002+/-0.009 χ^2/NDF: 28.4/29

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.005+/-0.007 χ^2/NDF: 48.4/48

All: 0.002+/-0.005 χ^2/NDF: 101.0/101

- sign -0.002+/-0.007 χ^2/NDF: 52.1/52



Right In: 29.816+/-0.007 χ^2/NDF: 6238072.5/23

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

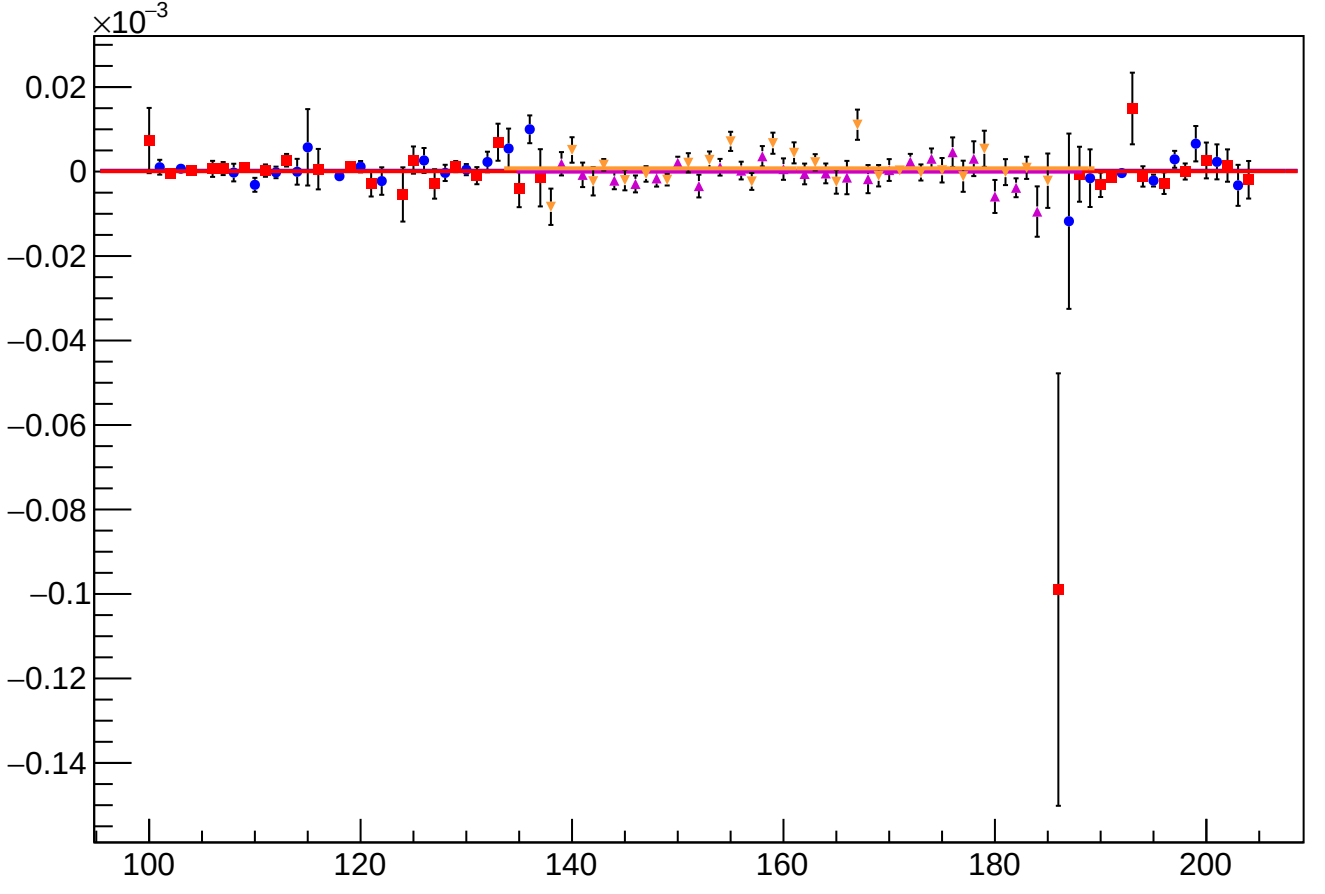
Right Out: 31.760+/-0.007 χ^2/NDF: 6504886.7/29

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 36.541+/-0.005 χ^2/NDF: 12522519.9/48

All: 36.883+/-0.004 χ^2/NDF: 23680647.8/101

- sign 37.218+/-0.005 χ^2/NDF: 11149554.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 27.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/29

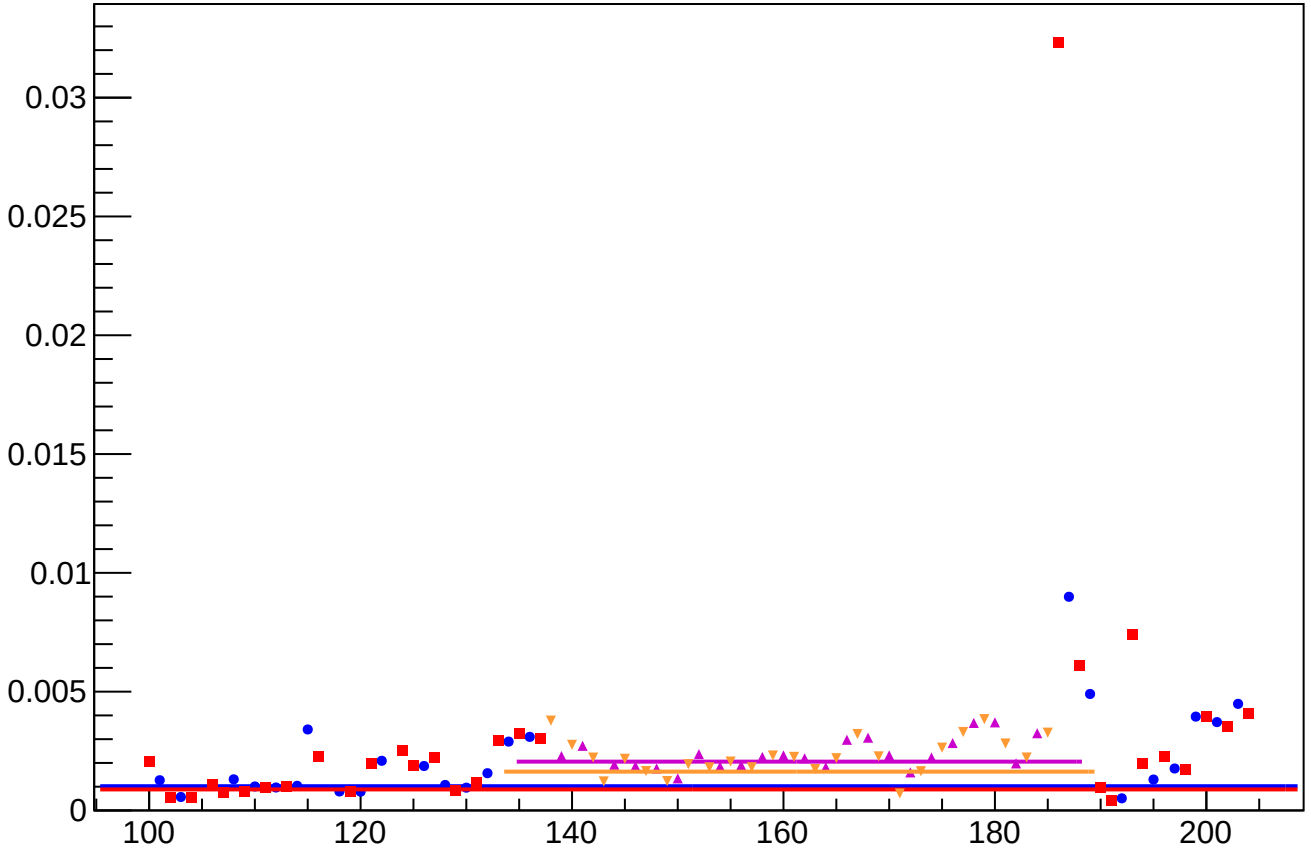
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.0/48

All: 0.000+/-0.000 χ^2/NDF: 127.7/101

- sign 0.000+/-0.000 χ^2/NDF: 51.7/52

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7324688.0/23

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

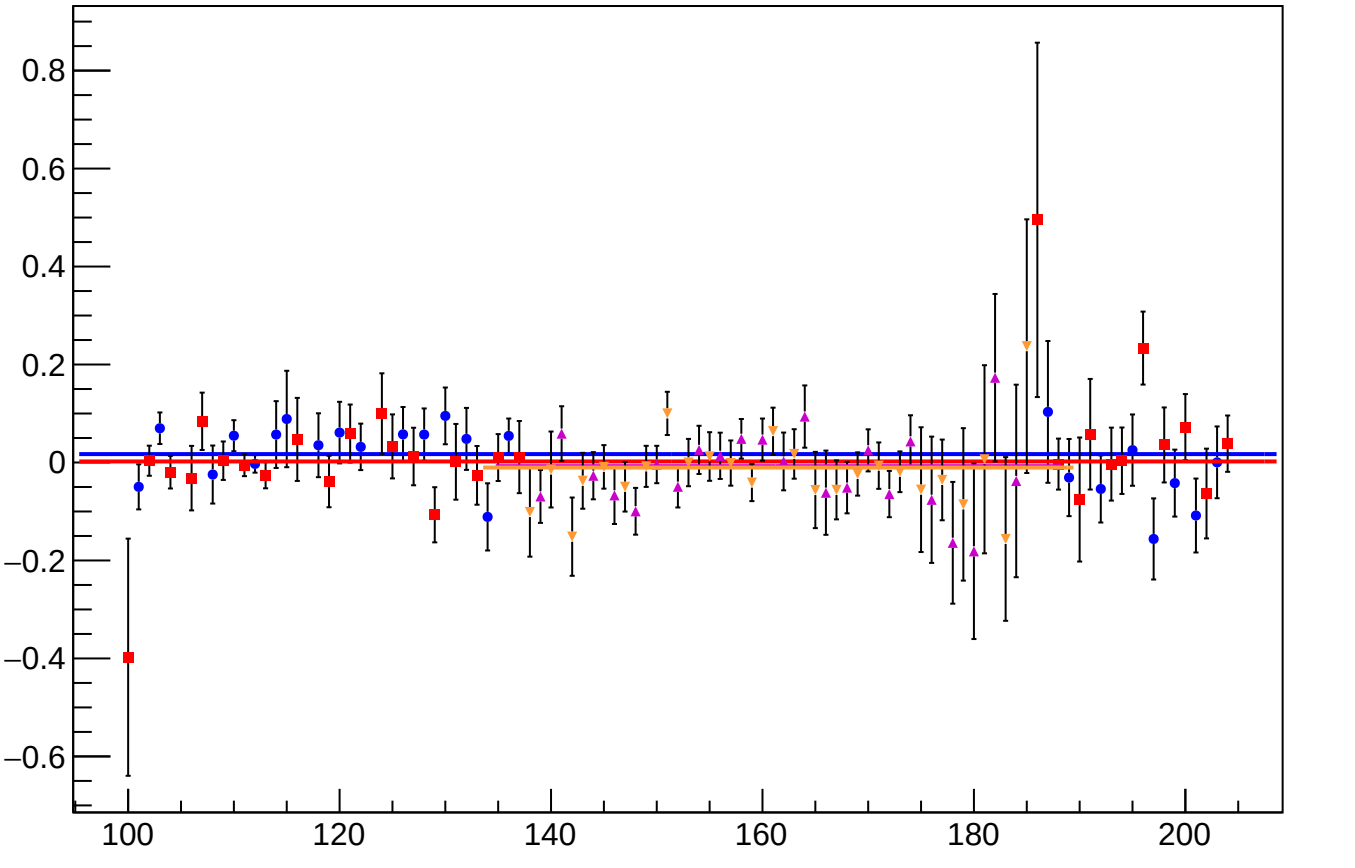
Right Out: 0.001+/-0.000 χ^2/NDF: 11737725.8/29

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 16378201.1/48

All: 0.001+/-0.000 χ^2/NDF: 38342248.5/101

- sign 0.001+/-0.000 χ^2/NDF: 21853795.7/52



Right In: 0.017+/-0.010 χ^2/NDF: 27.0/23

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.002+/-0.009 χ^2/NDF: 28.4/29

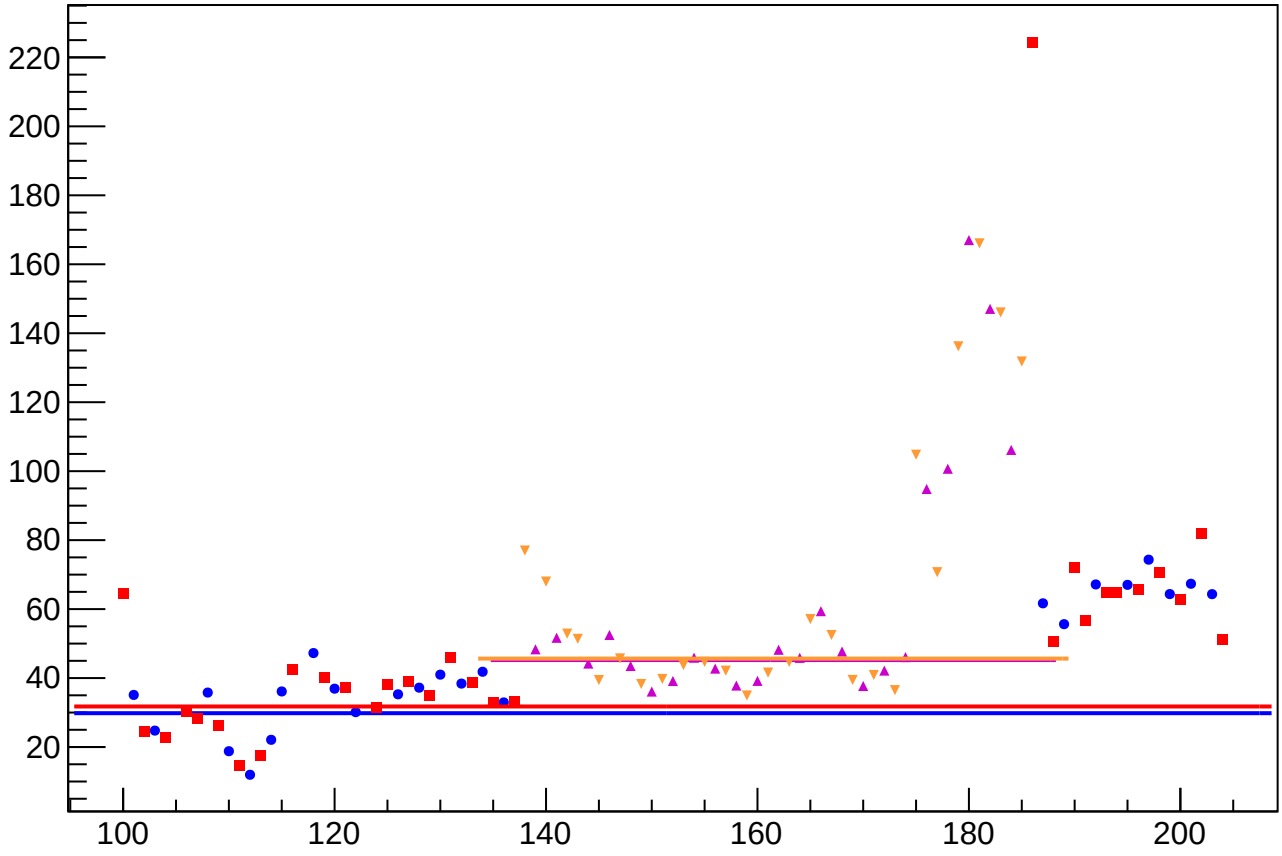
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.005+/-0.007 χ^2/NDF: 48.4/48

All: 0.002+/-0.005 χ^2/NDF: 101.0/101

- sign -0.002+/-0.007 χ^2/NDF: 52.1/52

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.815+/-0.007 χ^2/NDF: 6238303.6/23

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

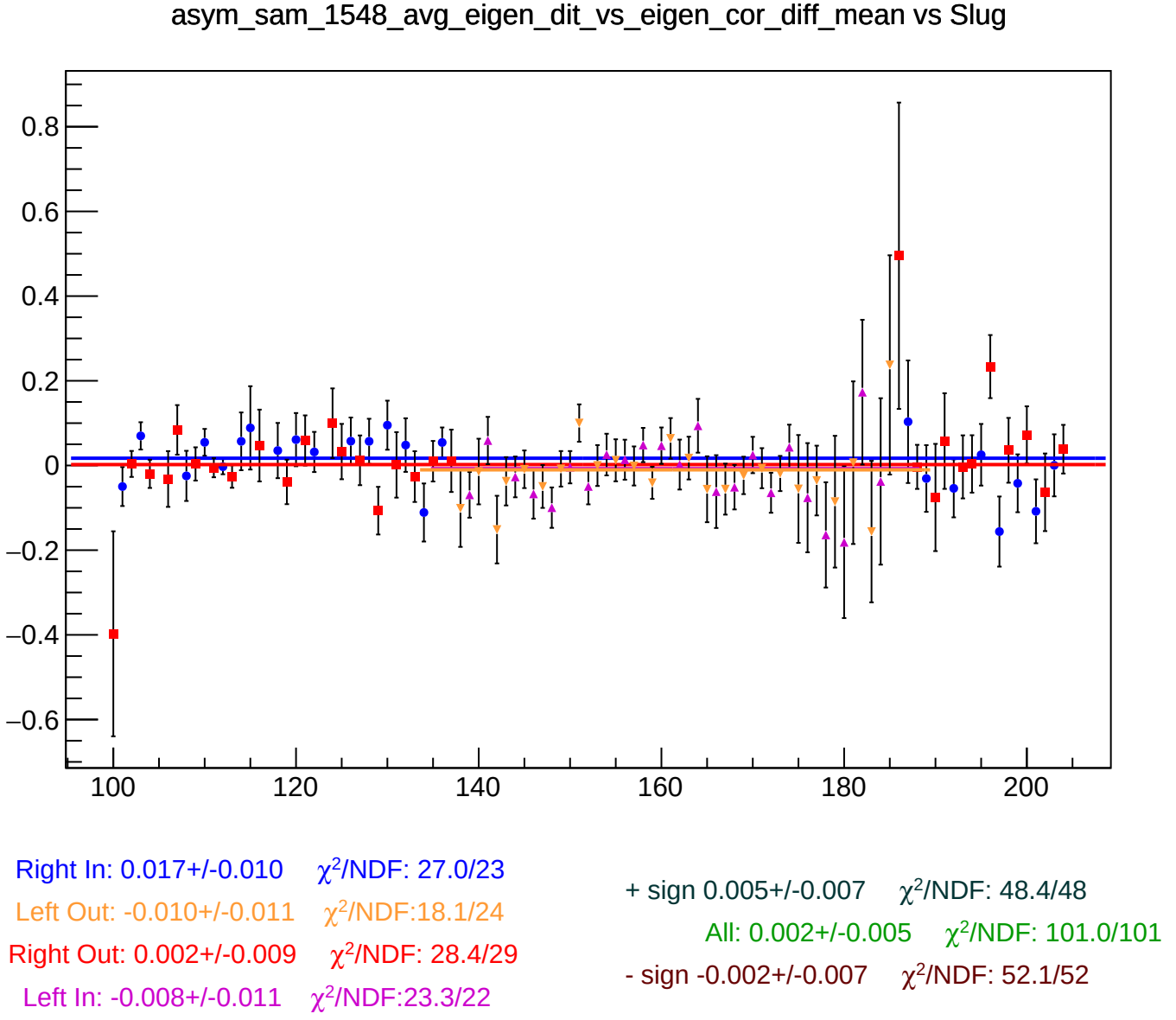
Right Out: 31.759+/-0.007 χ^2/NDF: 6505124.2/29

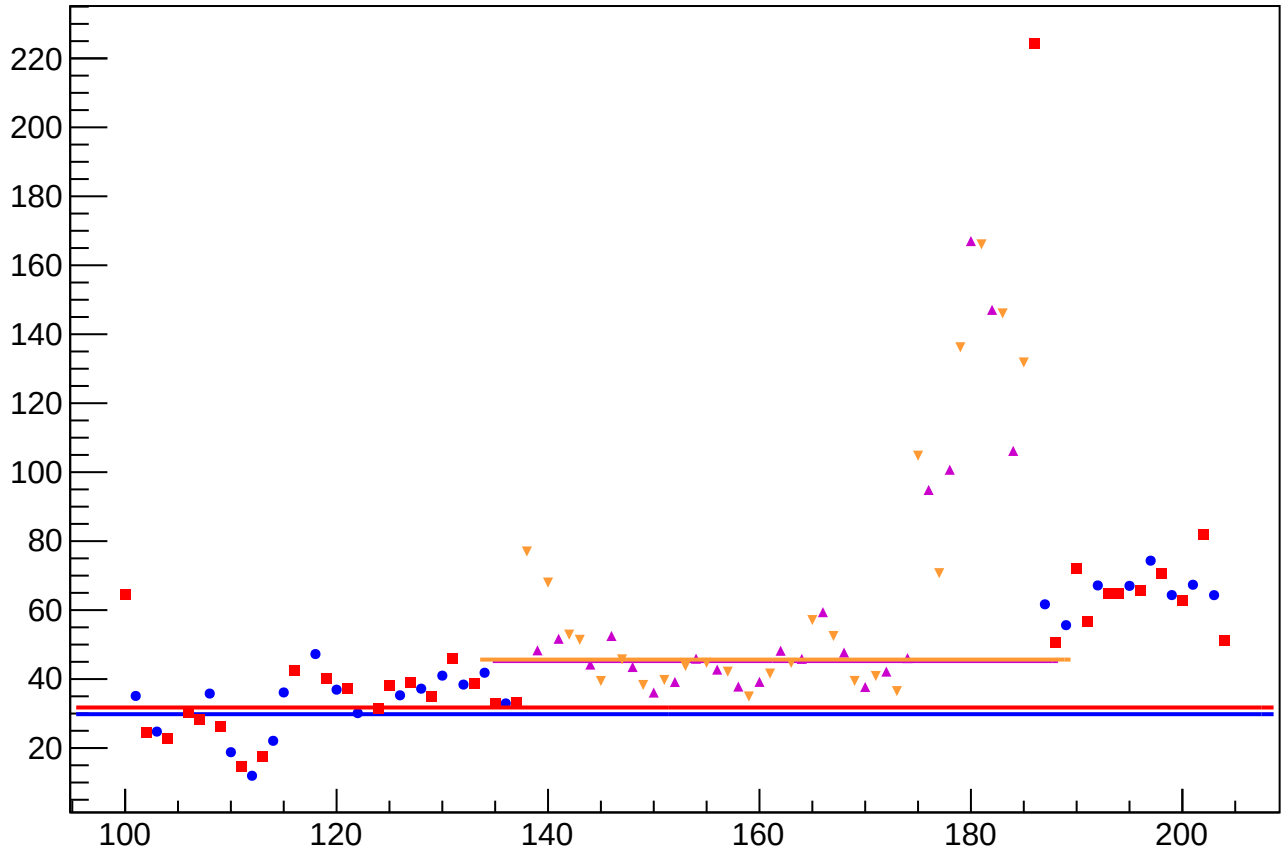
Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 36.541+/-0.005 χ^2/NDF: 12522971.6/48

All: 36.883+/-0.004 χ^2/NDF: 23681468.5/101

- sign 37.217+/-0.005 χ^2/NDF: 11149919.1/52


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: 0.017+/-0.010 χ²/NDF: 27.0/23
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: 0.002+/-0.009 χ²/NDF: 28.4/29
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign 0.005+/-0.007 χ²/NDF: 48.4/48
All: 0.002+/-0.005 χ²/NDF: 101.0/101
- sign -0.002+/-0.007 χ²/NDF: 52.1/52



Right In: 29.815+/-0.007 χ^2/NDF: 6238303.6/23

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

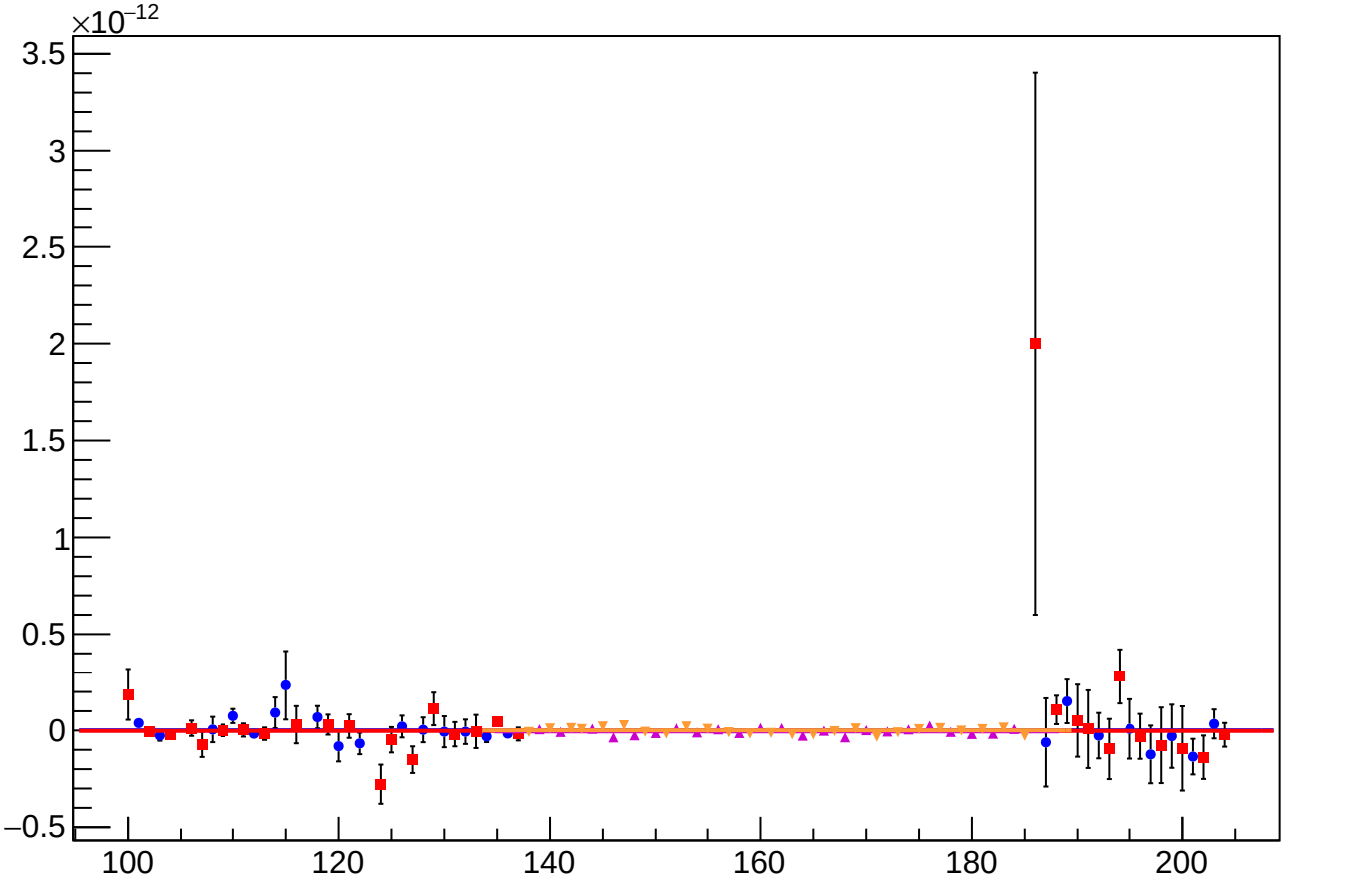
Right Out: 31.759+/-0.007 χ^2/NDF: 6505124.2/29

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 36.541+/-0.005 χ^2/NDF: 12522971.6/48

All: 36.883+/-0.004 χ^2/NDF: 23681468.5/101

- sign 37.217+/-0.005 χ^2/NDF: 11149919.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

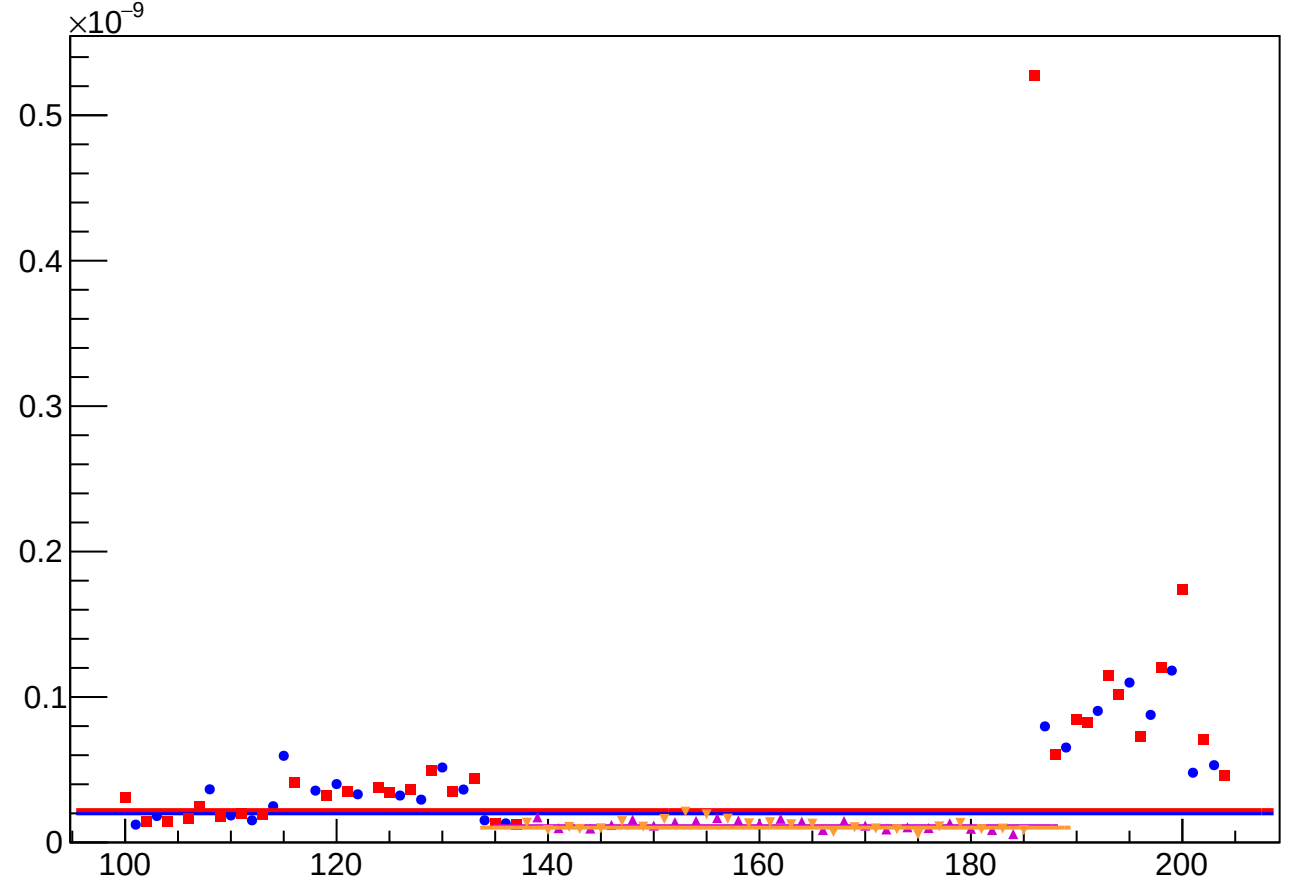
Right Out: -0.000+/-0.000 χ^2/NDF: 34.2/29

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.1/48

All: -0.000+/-0.000 χ^2/NDF: 108.7/101

- sign -0.000+/-0.000 χ^2/NDF: 57.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 5560020.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6936556.2/29

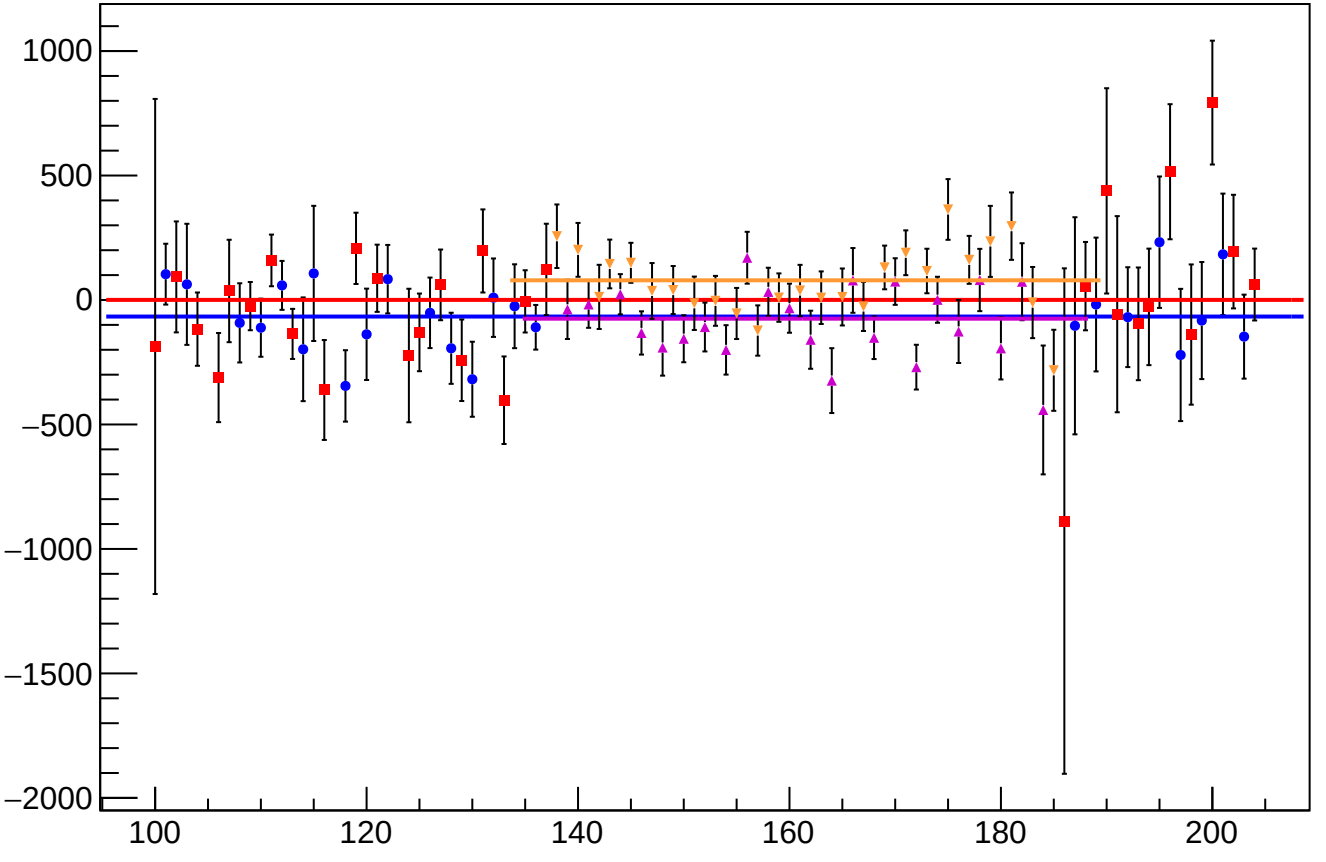
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 10215994.9/48

All: 0.000+/-0.000 χ^2/NDF: 21627558.9/101

- sign 0.000+/-0.000 χ^2/NDF: 11241347.9/52

reg_asym_sam_3748_avg_mean vs Slug



Right In: -66.476+/-32.390 χ^2/NDF: 17.0/23

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 0.423+/-30.932 χ^2/NDF: 41.9/29

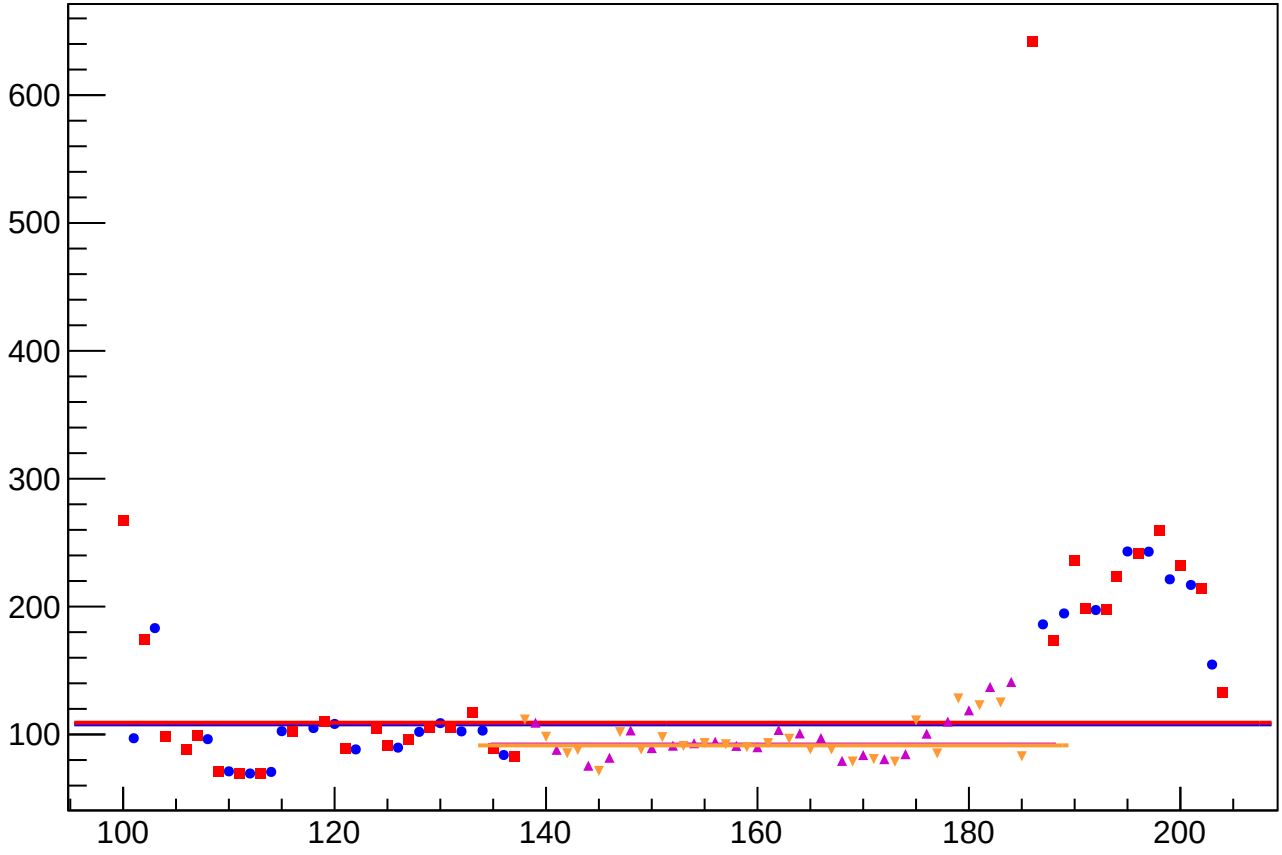
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 35.720+/-17.681 χ^2/NDF: 63.2/48

All: -6.730+/-12.558 χ^2/NDF: 153.3/101

- sign -49.945+/-17.839 χ^2/NDF: 78.5/52

reg_asym_sam_3748_avg_rms vs Slug



Right In: 107.910+/-0.023 χ^2/NDF: 3741510.6/23

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

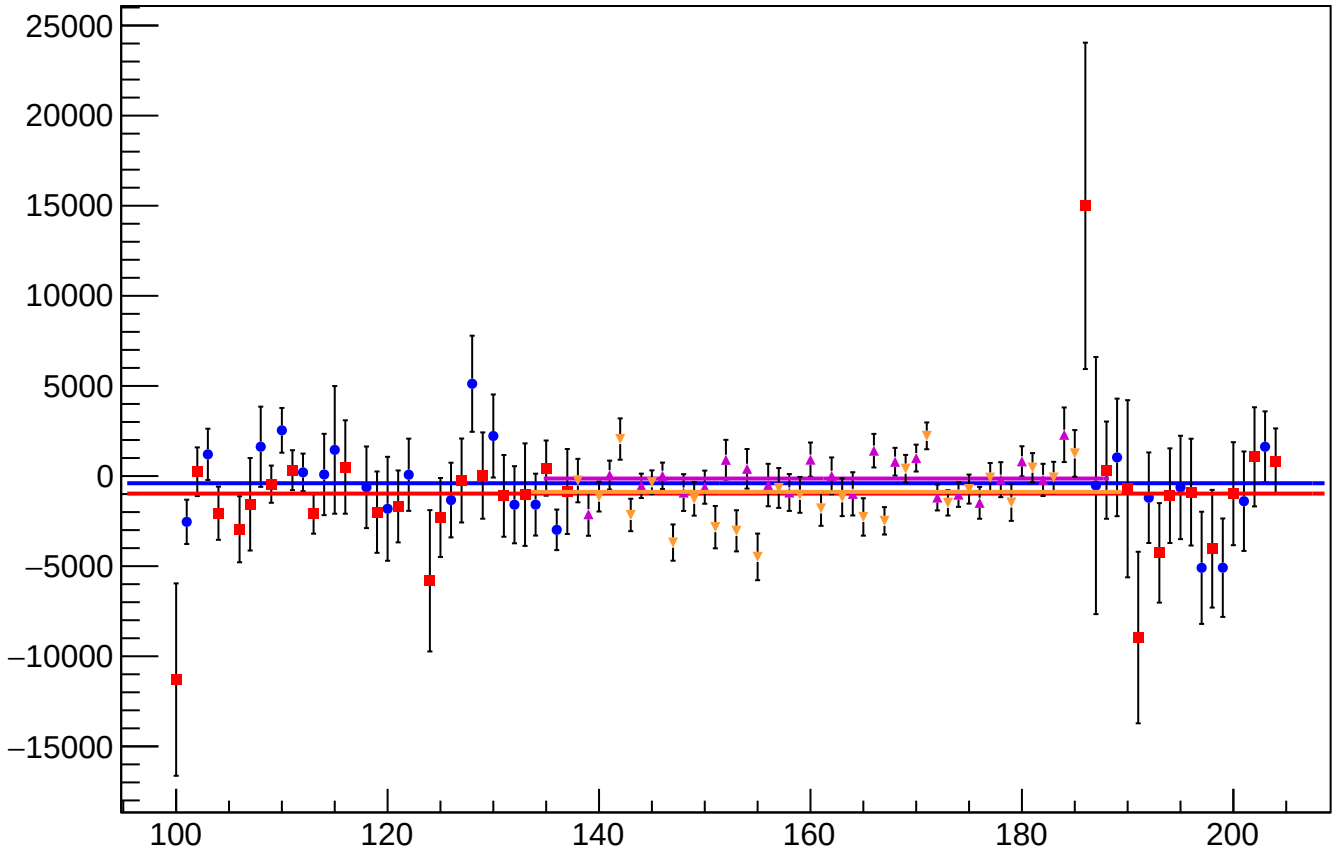
Right Out: 109.194+/-0.022 χ^2/NDF: 5277083.9/29

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 96.363+/-0.013 χ^2/NDF: 4854804.1/48

All: 97.068+/-0.009 χ^2/NDF: 11245501.0/101

- sign 97.786+/-0.013 χ^2/NDF: 6384277.0/52



Right In: -399.127+/-386.290 χ^2/NDF: 30.3/23

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -973.291+/-365.127 χ^2/NDF: 22.7/29

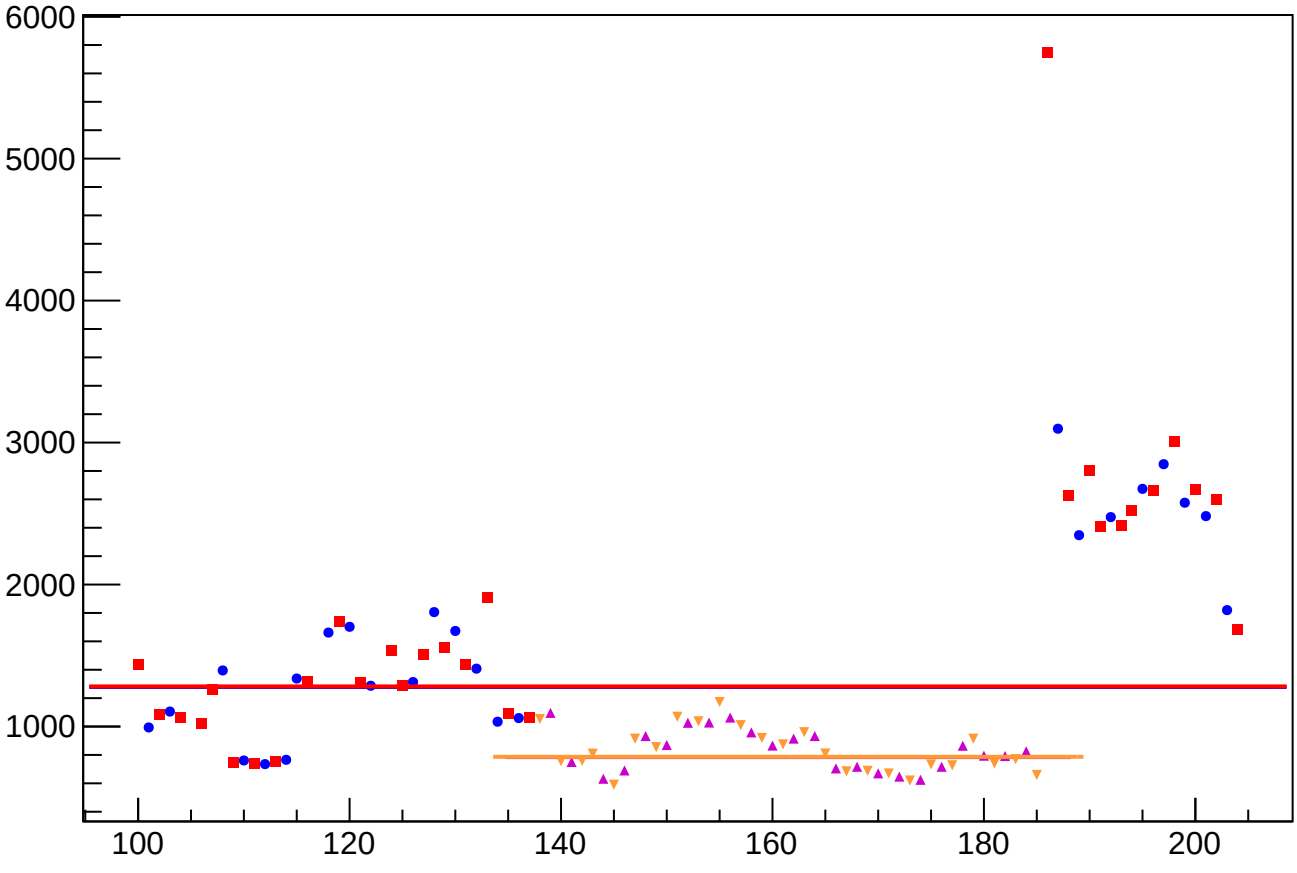
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -791.241+/-164.780 χ^2/NDF: 99.2/48

All: -553.351+/-116.995 χ^2/NDF: 154.4/101

- sign -311.518+/-166.140 χ^2/NDF: 51.0/52

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1278.852+/-0.273 χ^2/NDF: 4265219.1/23

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1282.364+/-0.258 χ^2/NDF: 5975193.9/29

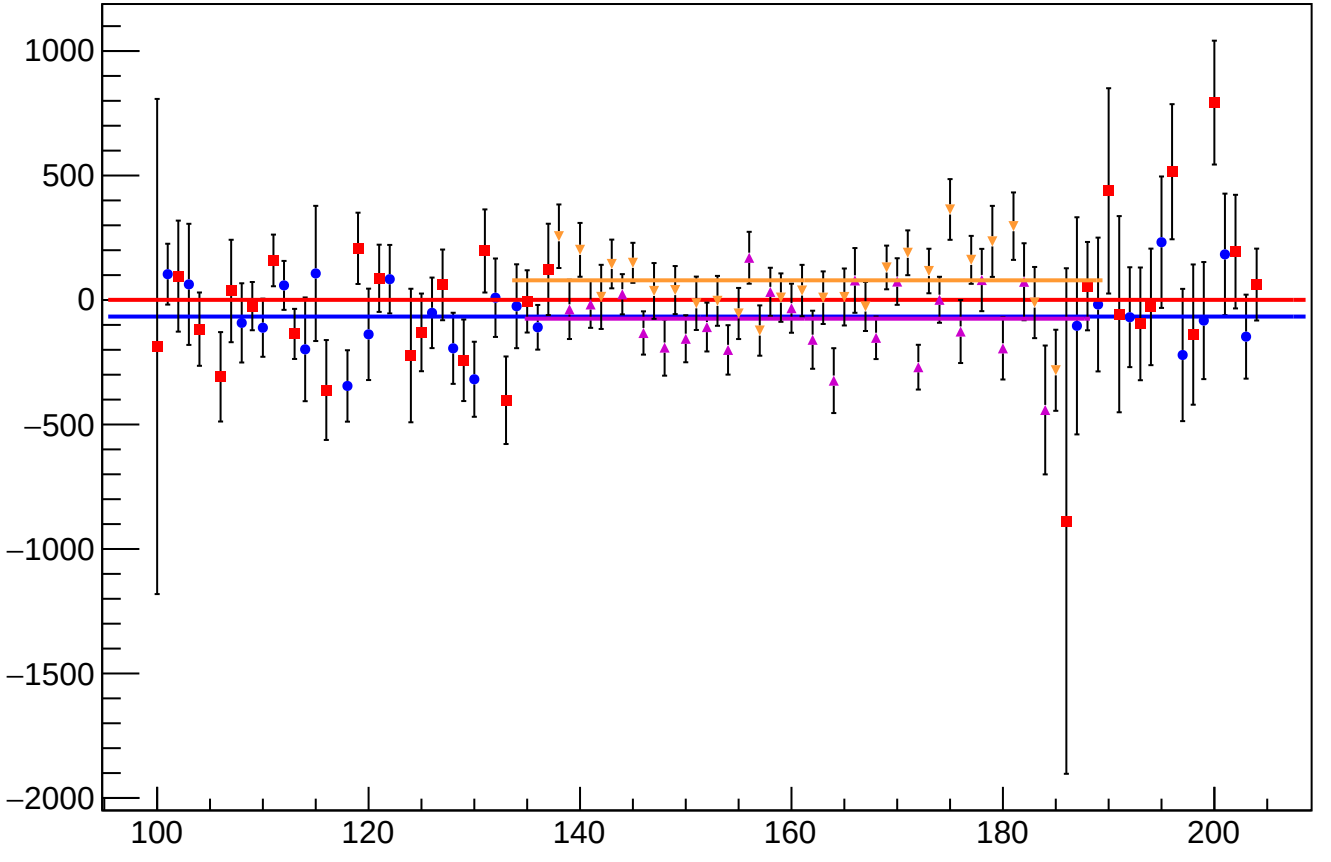
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 876.302+/-0.117 χ^2/NDF: 8131163.7/48

All: 882.025+/-0.083 χ^2/NDF: 18119604.4/10

- sign 887.843+/-0.117 χ^2/NDF: 9983574.9/52

cor_asym_sam_3748_avg_mean vs Slug



Right In: -66.486+/-32.390 χ^2/NDF: 17.0/23

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 0.632+/-30.935 χ^2/NDF: 41.8/29

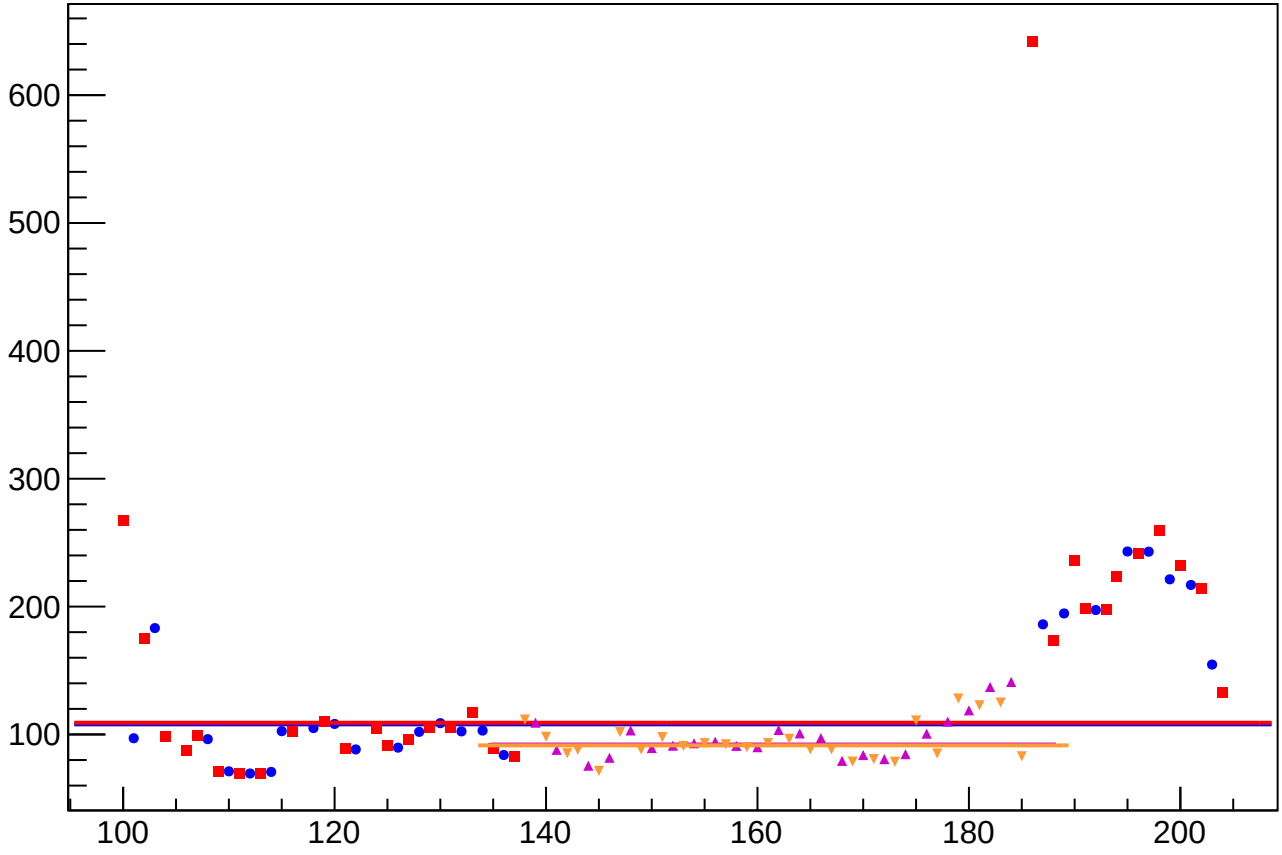
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 35.723+/-17.681 χ^2/NDF: 63.2/48

All: -6.695+/-12.558 χ^2/NDF: 153.2/101

- sign -49.879+/-17.840 χ^2/NDF: 78.4/52

cor_asym_sam_3748_avg_rms vs Slug



Right In: 107.910+/-0.023 χ^2/NDF: 3741513.7/23

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

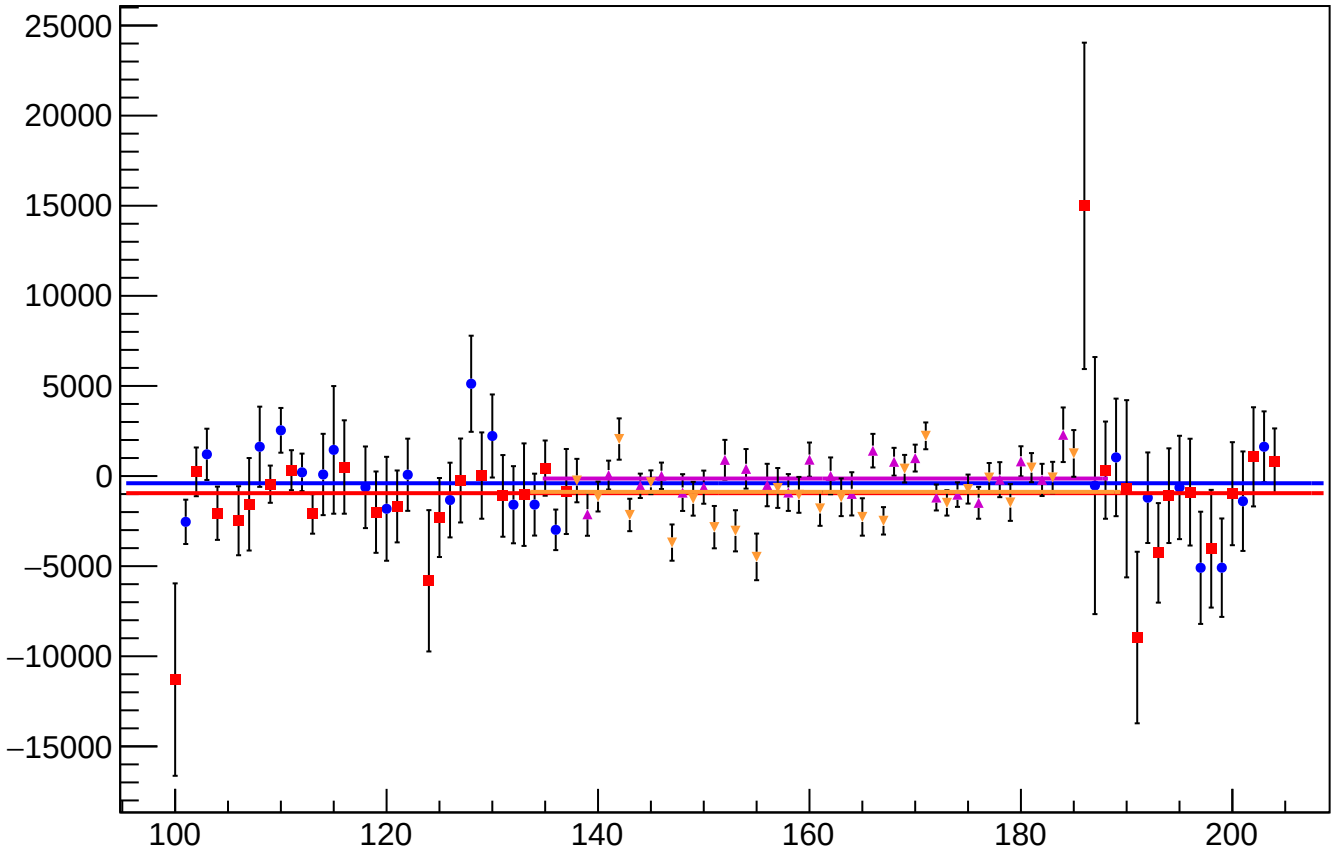
Right Out: 109.159+/-0.022 χ^2/NDF: 5280605.2/29

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 96.363+/-0.013 χ^2/NDF: 4854807.3/48

All: 97.062+/-0.009 χ^2/NDF: 11247197.9/101

- sign 97.774+/-0.013 χ^2/NDF: 6386081.9/52



Right In: -399.144+/-386.292 χ^2/NDF: 30.3/23

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -950.273+/-365.738 χ^2/NDF: 22.1/29

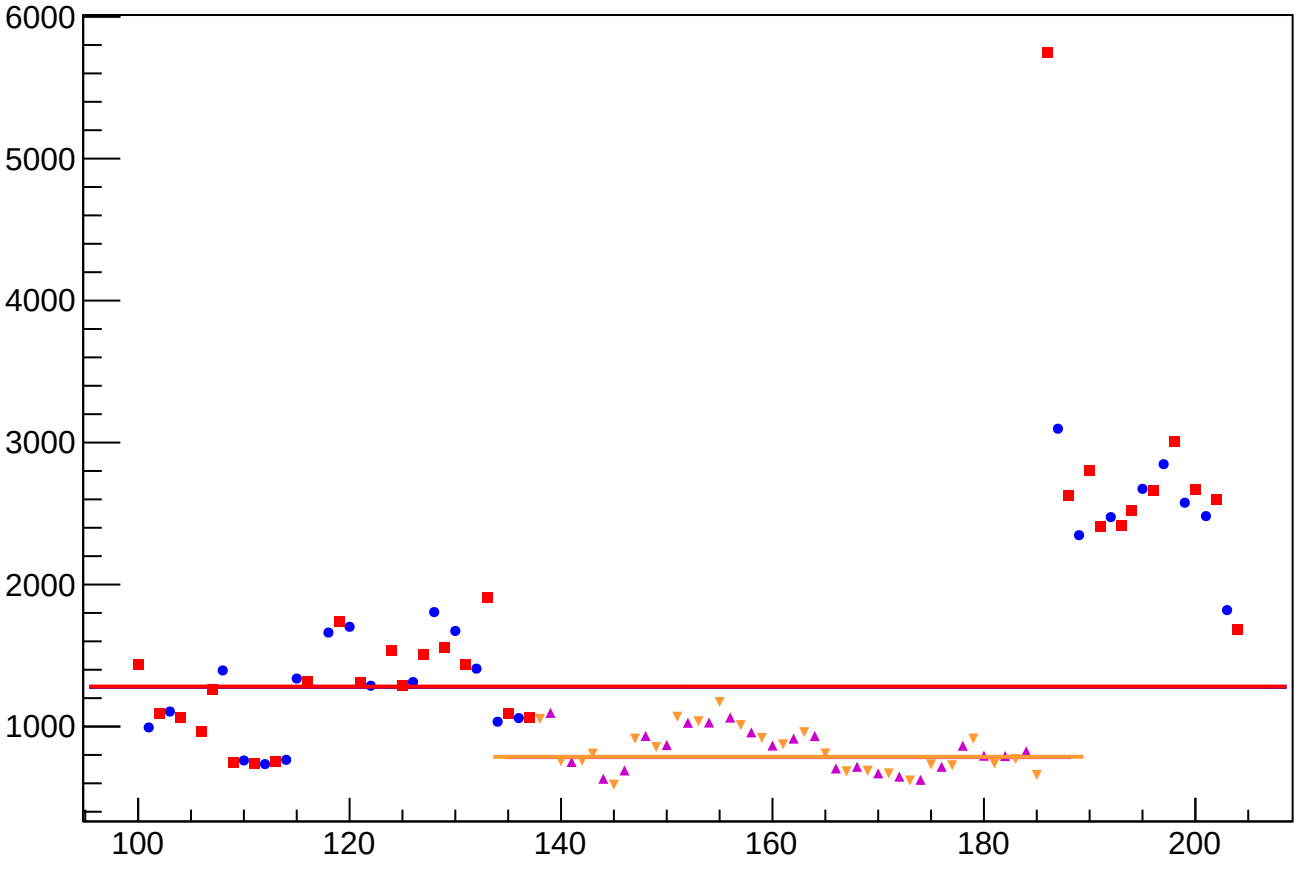
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -791.237+/-164.781 χ^2/NDF: 99.2/48

All: -550.849+/-117.015 χ^2/NDF: 153.7/101

- sign -306.309+/-166.198 χ^2/NDF: 50.2/52

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1278.863+/-0.273 χ^2/NDF: 4265180.5/23

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1281.202+/-0.259 χ^2/NDF: 5989367.1/29

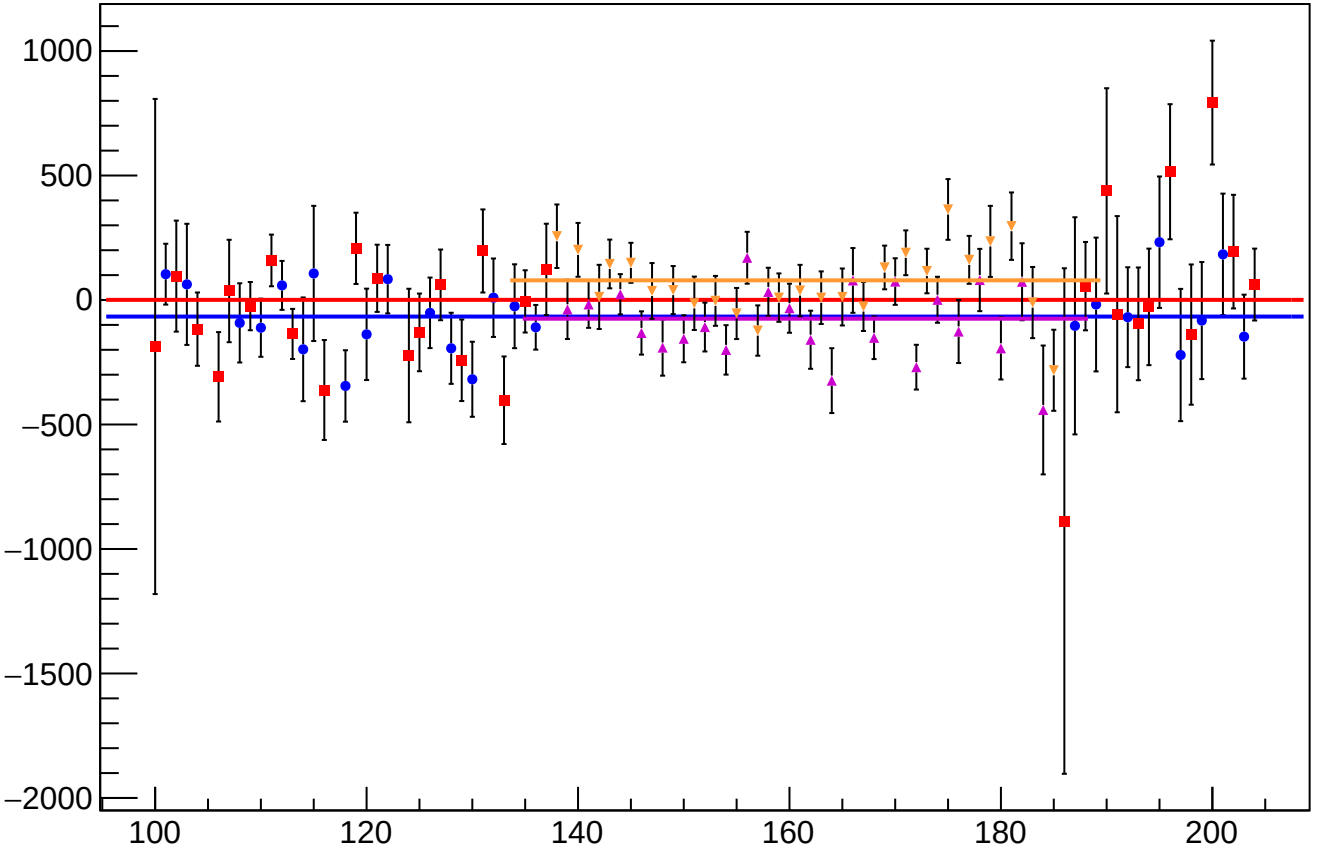
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

\+ sign 876.302+/-0.117 χ^2/NDF: 8131205.5/48

All: 881.769+/-0.083 χ^2/NDF: 18111895.8/10

\- sign 887.331+/-0.118 χ^2/NDF: 9976249.2/52

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -66.486+/-32.390 χ^2/NDF: 17.0/23

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 0.632+/-30.935 χ^2/NDF: 41.8/29

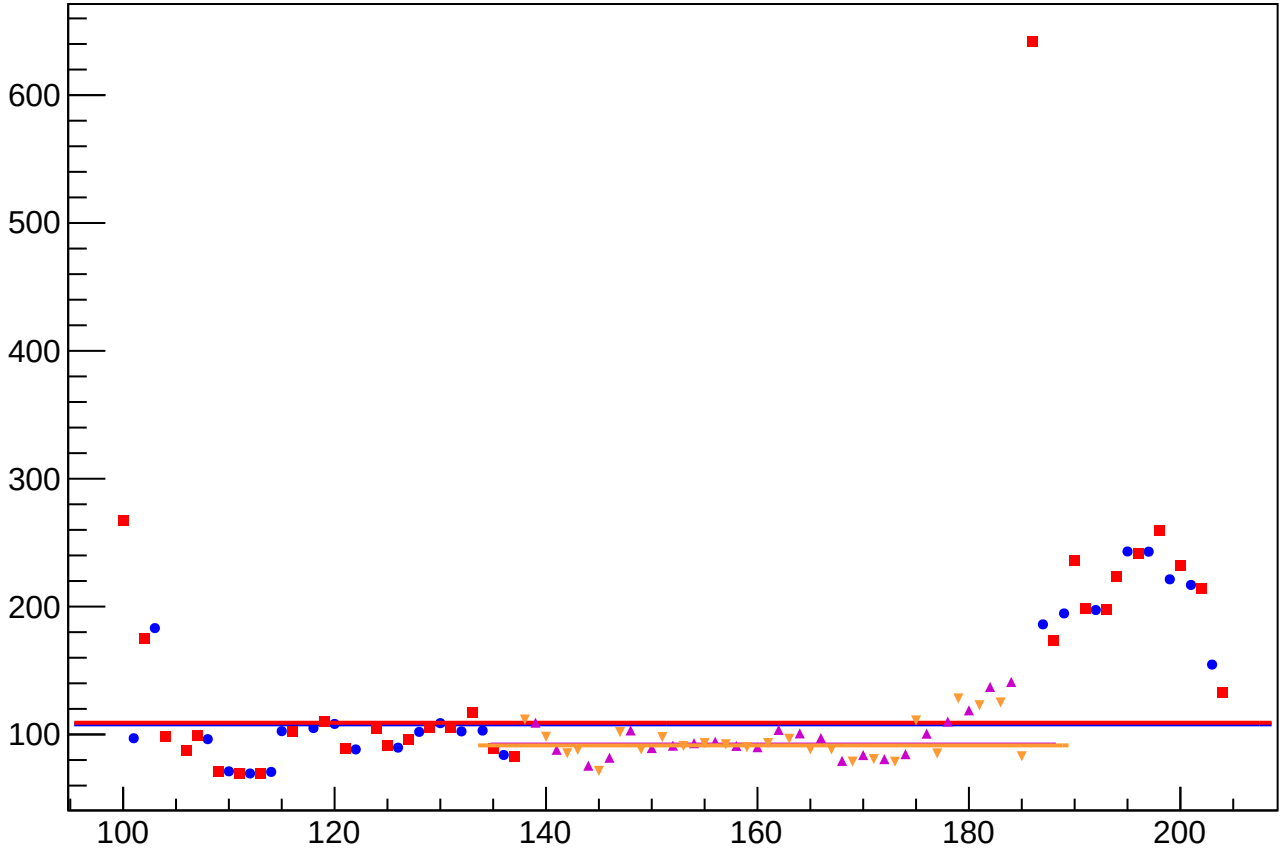
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 35.723+/-17.681 χ^2/NDF: 63.2/48

All: -6.695+/-12.558 χ^2/NDF: 153.2/101

- sign -49.879+/-17.840 χ^2/NDF: 78.4/52

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 107.910+/-0.023 χ^2/NDF: 3741513.7/23

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

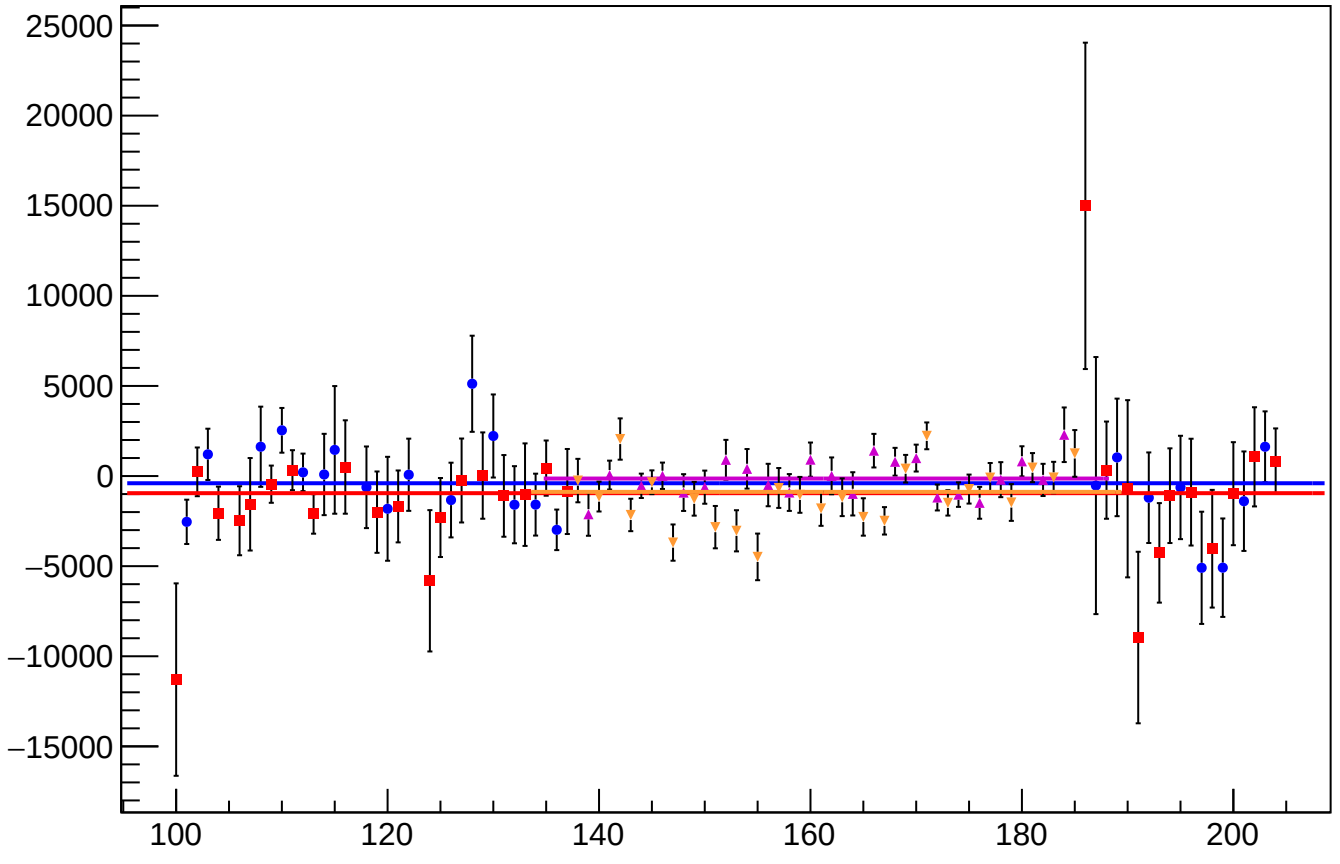
Right Out: 109.159+/-0.022 χ^2/NDF: 5280605.2/29

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 96.363+/-0.013 χ^2/NDF: 4854807.3/48

All: 97.062+/-0.009 χ^2/NDF: 11247197.9/101

- sign 97.774+/-0.013 χ^2/NDF: 6386081.9/52



Right In: -399.144+/-386.292 χ^2/NDF: 30.3/23

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

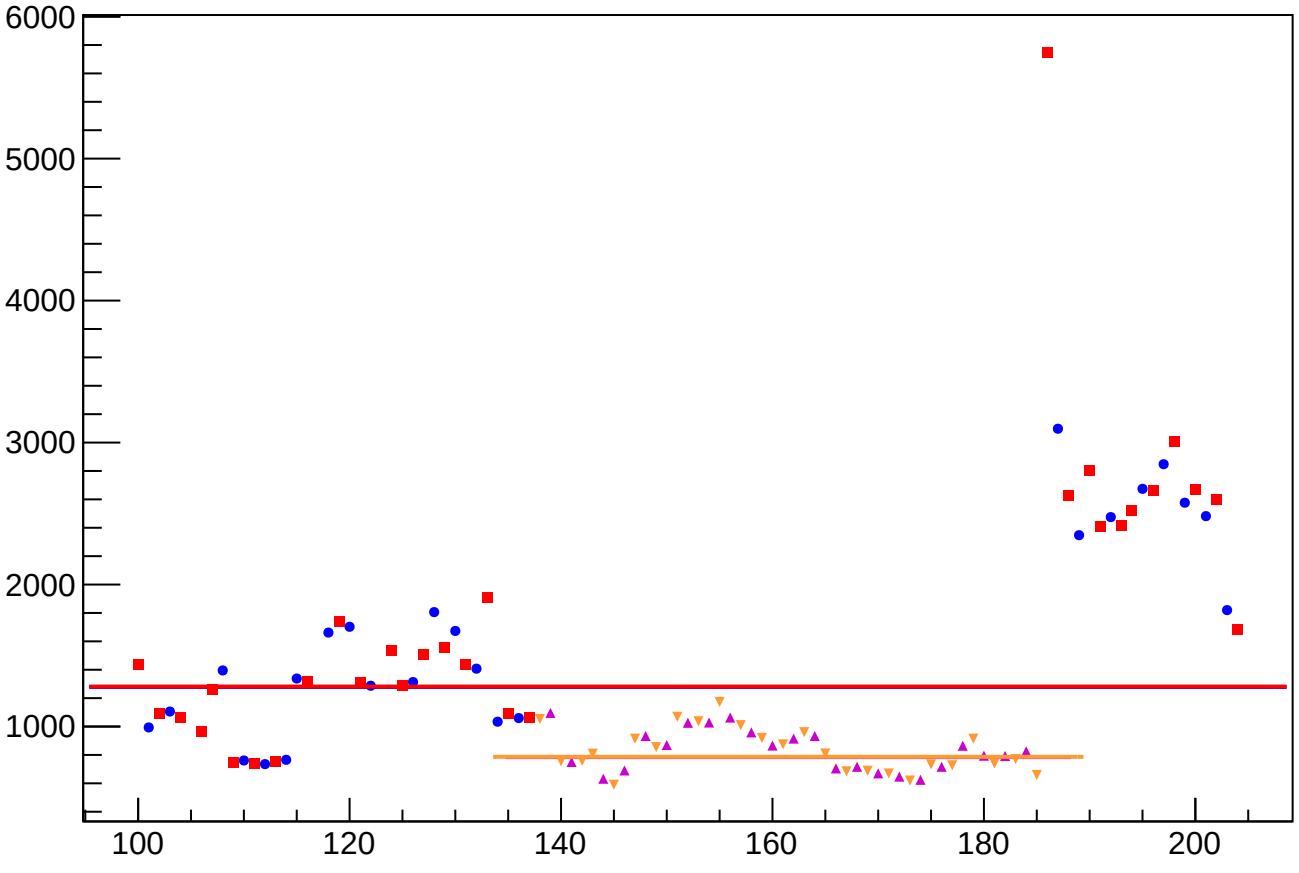
Right Out: -950.273+/-365.738 χ^2/NDF: 22.1/29

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -791.237+/-164.781 χ^2/NDF: 99.2/48

All: -550.849+/-117.015 χ^2/NDF: 153.7/101

- sign -306.309+/-166.198 χ^2/NDF: 50.2/52



Right In: 1278.863+/-0.273 χ^2/NDF: 4265180.5/23

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1281.202+/-0.259 χ^2/NDF: 5989367.1/29

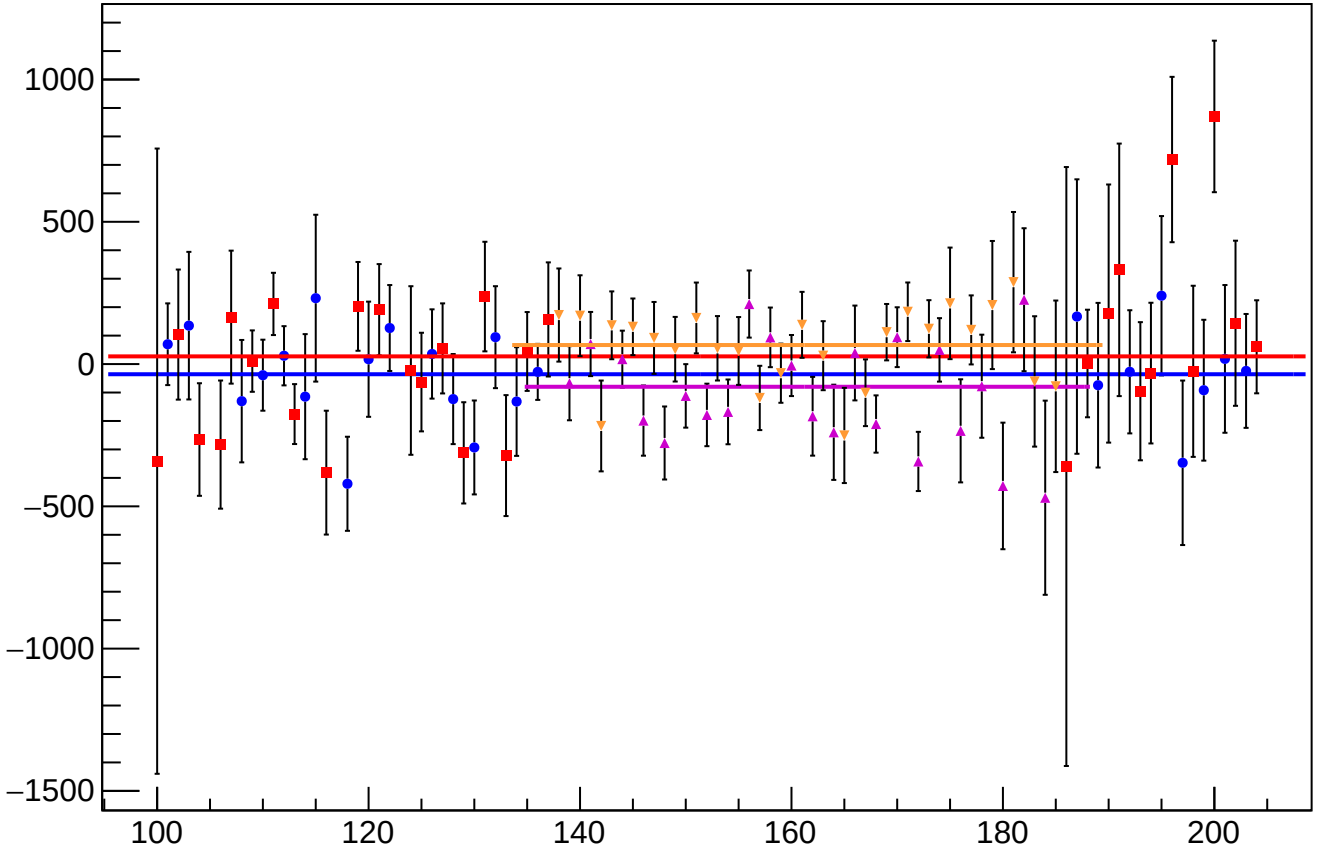
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 876.302+/-0.117 χ^2/NDF: 8131205.5/48

All: 881.769+/-0.083 χ^2/NDF: 18111895.8/10

- sign 887.331+/-0.118 χ^2/NDF: 9976249.2/52

dit_asym_sam_3748_avg_mean vs Slug



Right In: -35.735+/-35.892 χ^2/NDF: 15.3/23

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 27.047+/-34.401 χ^2/NDF: 42.3/29

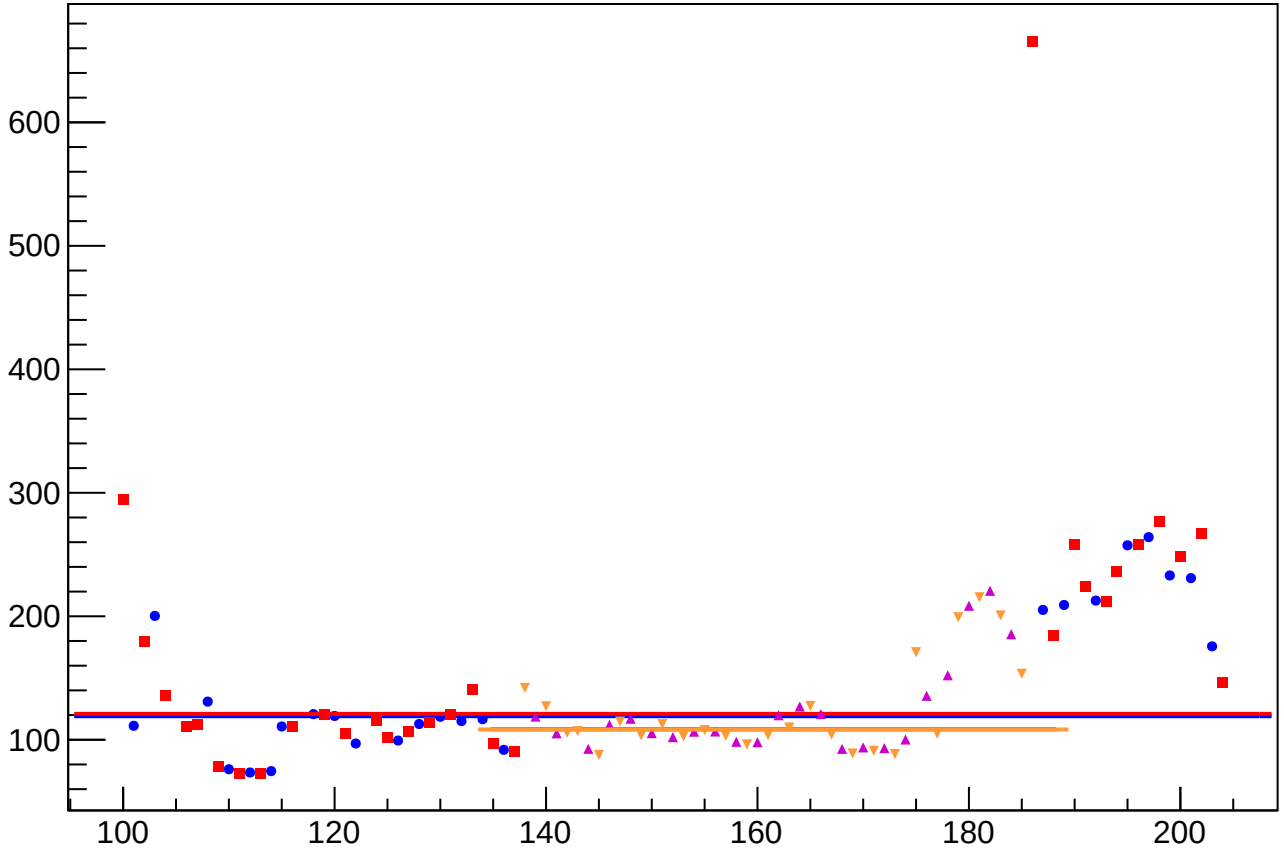
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 32.320+/-20.833 χ^2/NDF: 40.3/48

All: -3.920+/-14.752 χ^2/NDF: 131.7/101

- sign -40.367+/-20.893 χ^2/NDF: 85.3/52

dit_asym_sam_3748_avg_rms vs Slug



Right In: 119.092+/-0.025 χ^2/NDF: 3724196.1/23

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 120.978+/-0.024 χ^2/NDF: 5272084.4/29

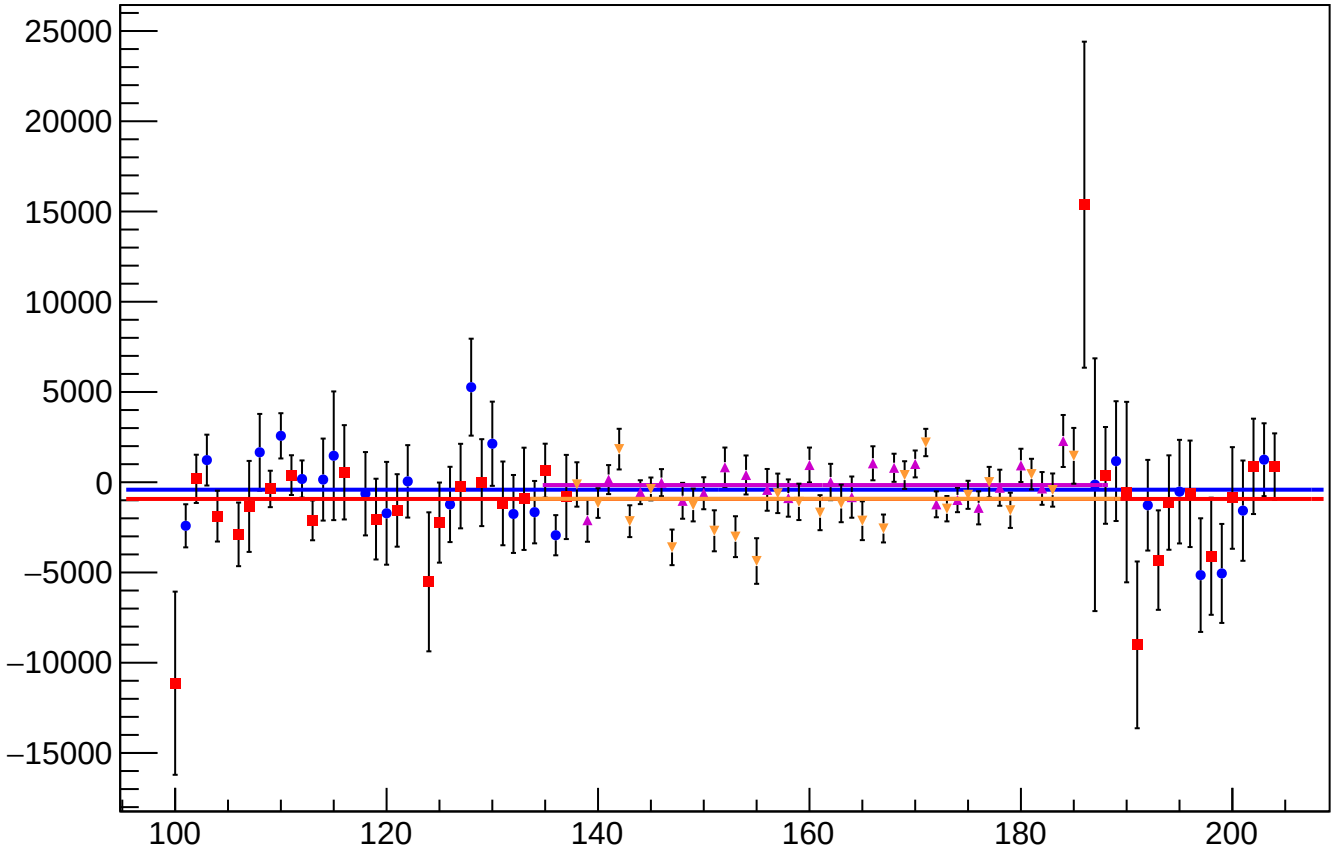
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 111.956+/-0.015 χ^2/NDF: 5618013.1/48

All: 112.525+/-0.010 χ^2/NDF: 12438763.9/10

- sign 113.098+/-0.015 χ^2/NDF: 6817754.3/52

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -413.437+/-384.923 χ^2/NDF: 29.9/23

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -926.607+/-361.355 χ^2/NDF: 23.6/29

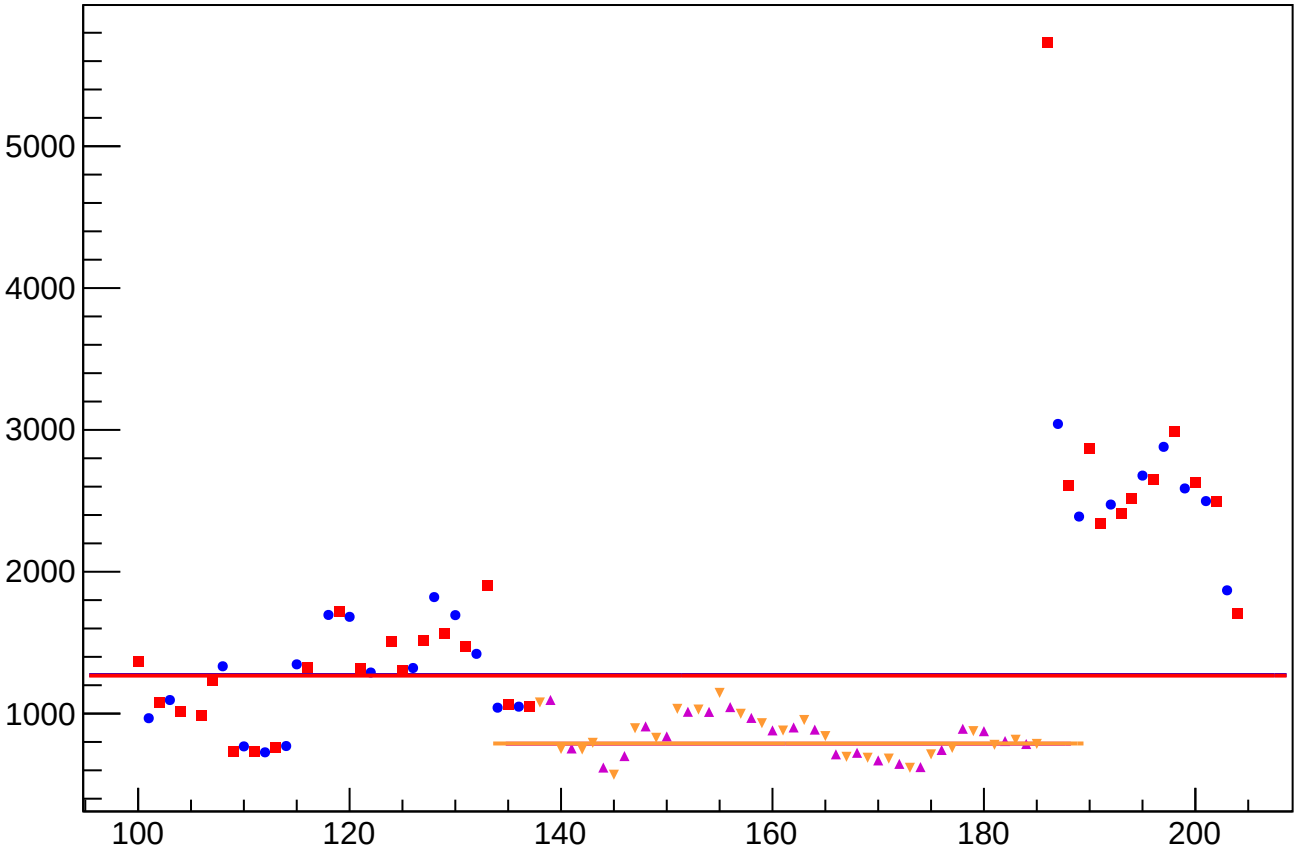
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -826.028+/-164.876 χ^2/NDF: 95.4/48

All: -574.401+/-117.036 χ^2/NDF: 150.4/101

- sign -318.838+/-166.160 χ^2/NDF: 50.3/52

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1271.987+/-0.272 χ^2/NDF: 4369386.3/23

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1267.939+/-0.256 χ^2/NDF: 6038132.4/29

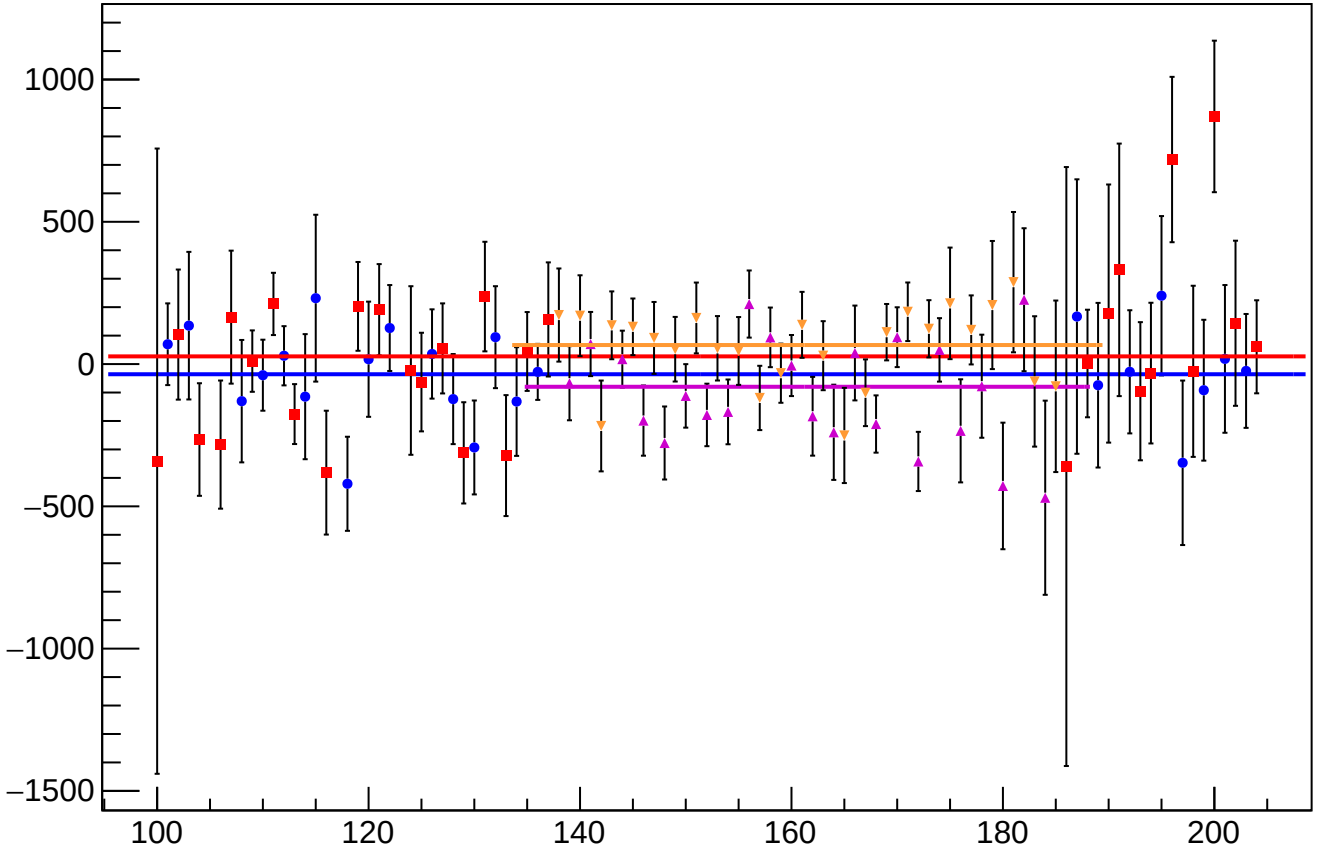
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 877.817+/-0.117 χ^2/NDF: 8114663.3/48

All: 883.364+/-0.083 χ^2/NDF: 17987904.7/10

- sign 888.997+/-0.117 χ^2/NDF: 9868679.2/52

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -35.734+/-35.892 χ^2/NDF: 15.3/23

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 27.049+/-34.401 χ^2/NDF: 42.3/29

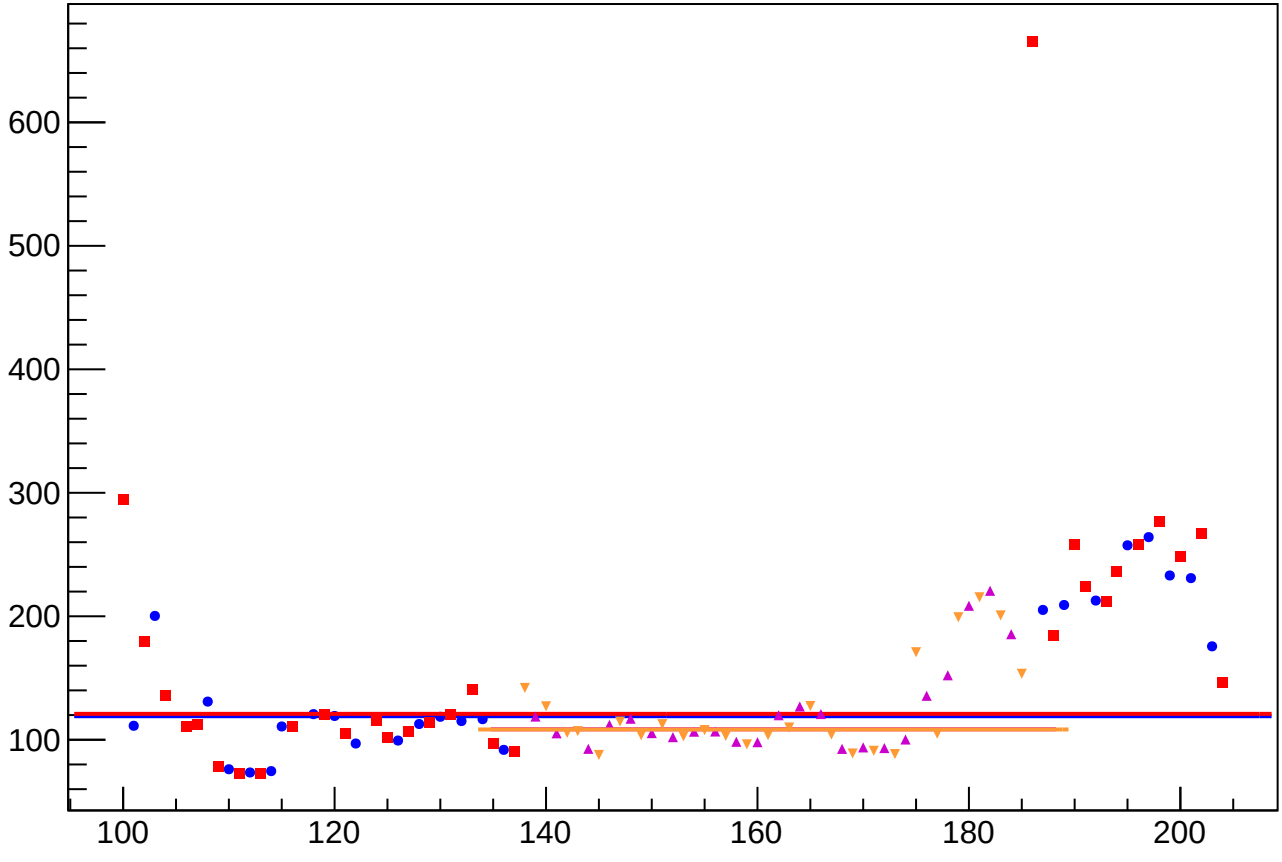
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 32.321+/-20.833 χ^2/NDF: 40.3/48

All: -3.919+/-14.752 χ^2/NDF: 131.7/101

- sign -40.366+/-20.893 χ^2/NDF: 85.3/52

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 119.092+/-0.025 χ^2/NDF: 3724184.2/23

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

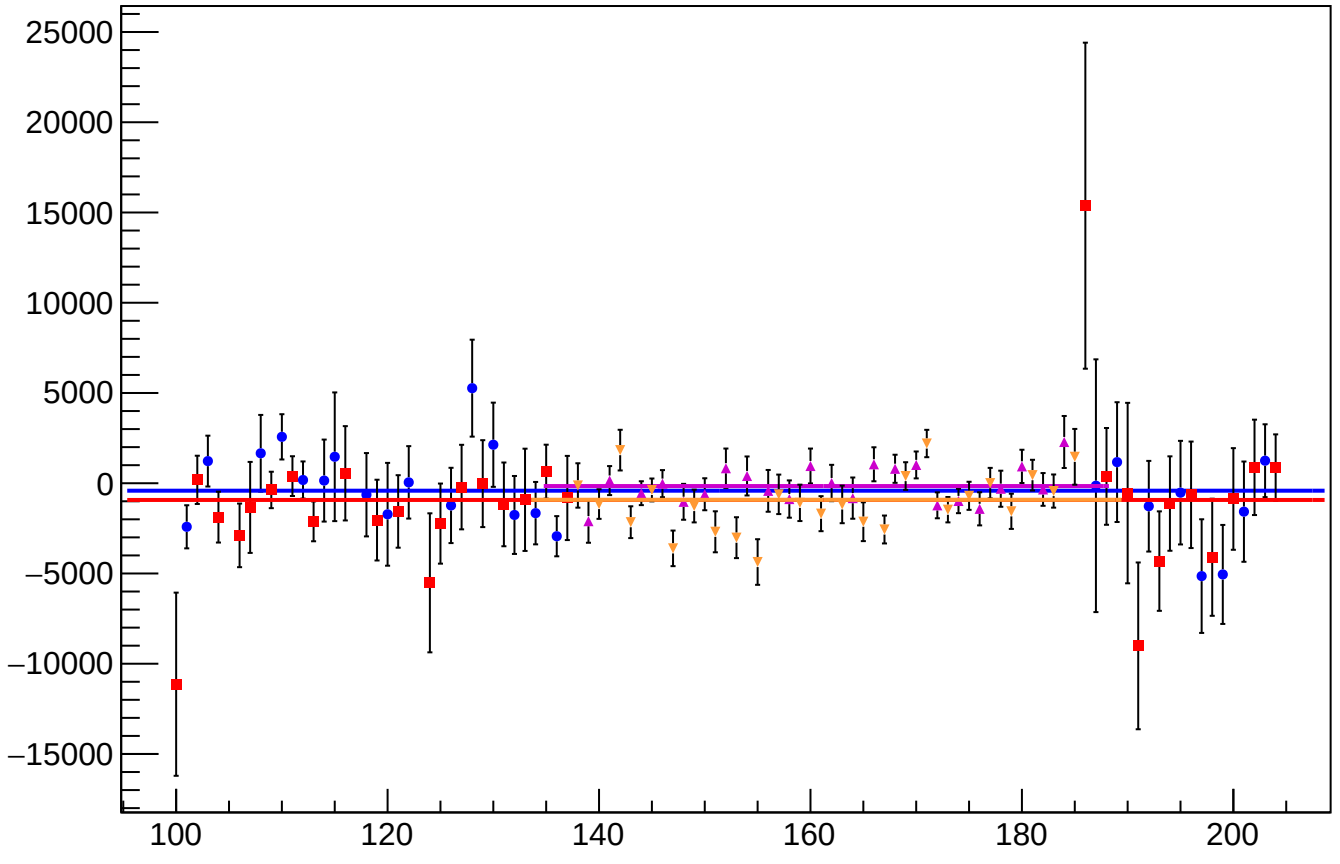
Right Out: 120.978+/-0.024 χ^2/NDF: 5272088.9/29

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 111.956+/-0.015 χ^2/NDF: 5617991.9/48

All: 112.525+/-0.010 χ^2/NDF: 12438723.9/10

- sign 113.098+/-0.015 χ^2/NDF: 6817735.5/52



Right In: -413.436+/-384.923 χ^2/NDF: 29.9/23

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

Right Out: -926.606+/-361.354 χ^2/NDF: 23.6/29

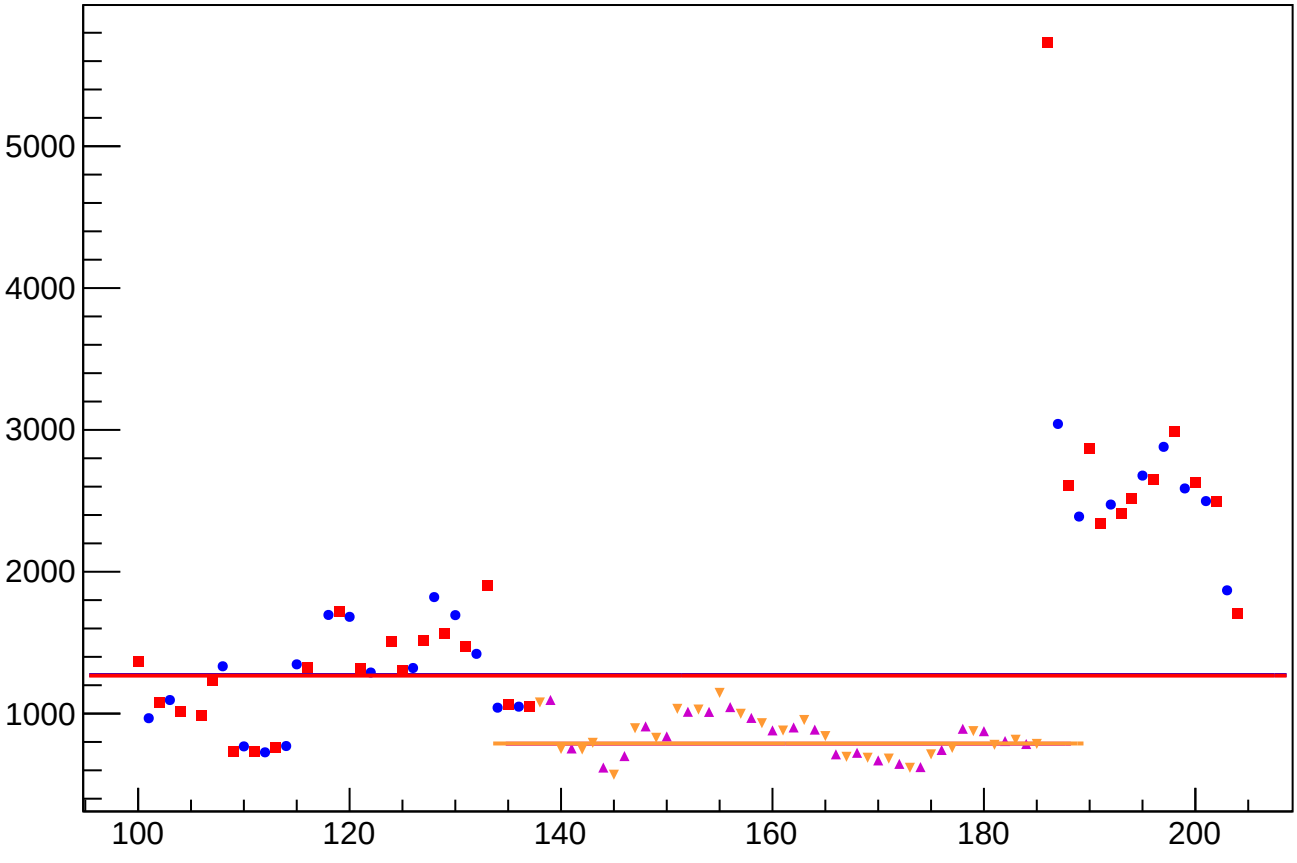
Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -826.027+/-164.876 χ^2/NDF: 95.4/48

All: -574.400+/-117.036 χ^2/NDF: 150.4/101

- sign -318.837+/-166.160 χ^2/NDF: 50.3/52

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug



Right In: 1271.985+/-0.272 χ^2/NDF: 4369394.3/23

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1267.937+/-0.256 χ^2/NDF: 6038136.3/29

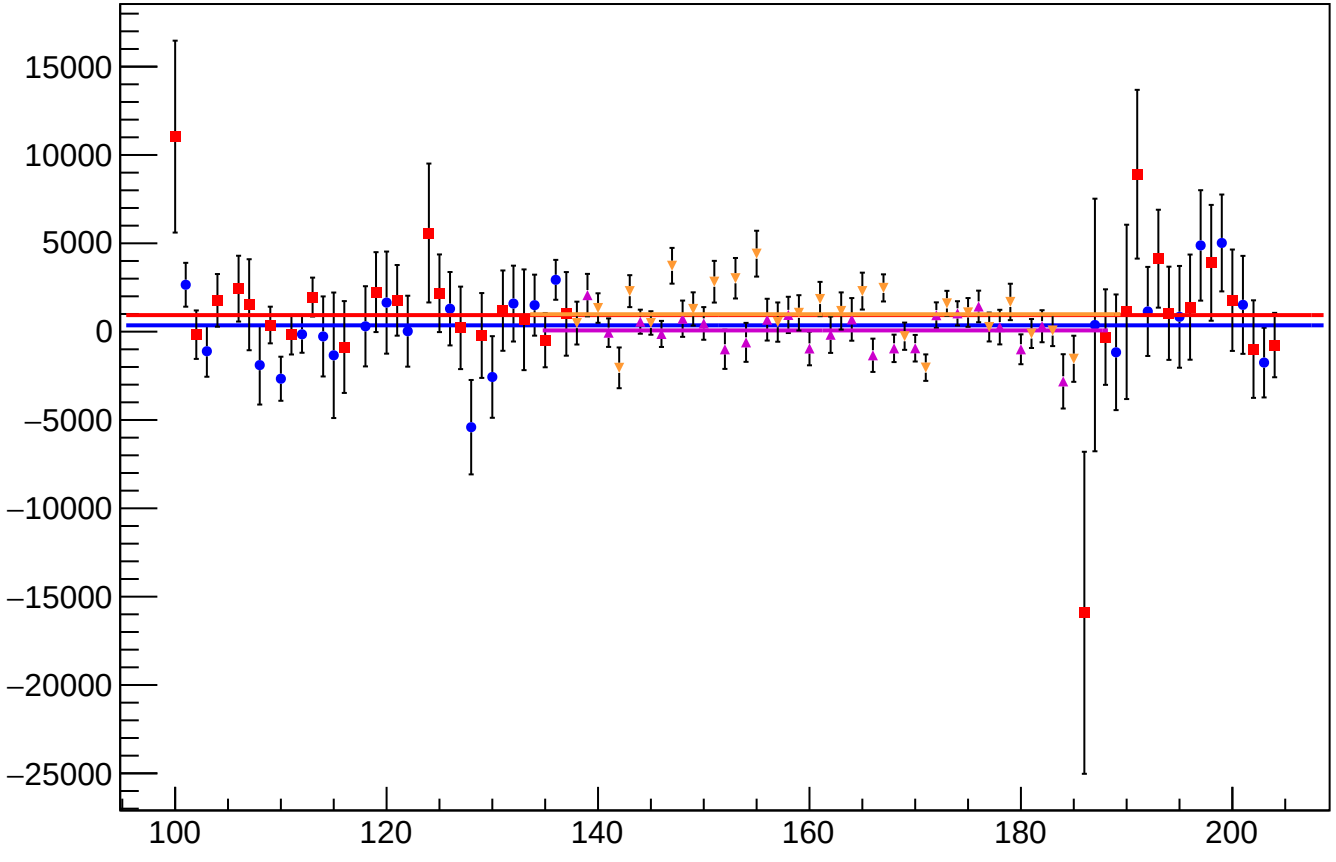
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 877.816+/-0.117 χ^2/NDF: 8114673.3/48

All: 883.362+/-0.083 χ^2/NDF: 17987920.1/10

- sign 888.996+/-0.117 χ^2/NDF: 9868684.5/52

asym_sam_3748_avg_mean vs Slug



Right In: 357.741+/-388.282 χ^2/NDF: 31.2/23

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 936.675+/-367.073 χ^2/NDF: 21.2/29

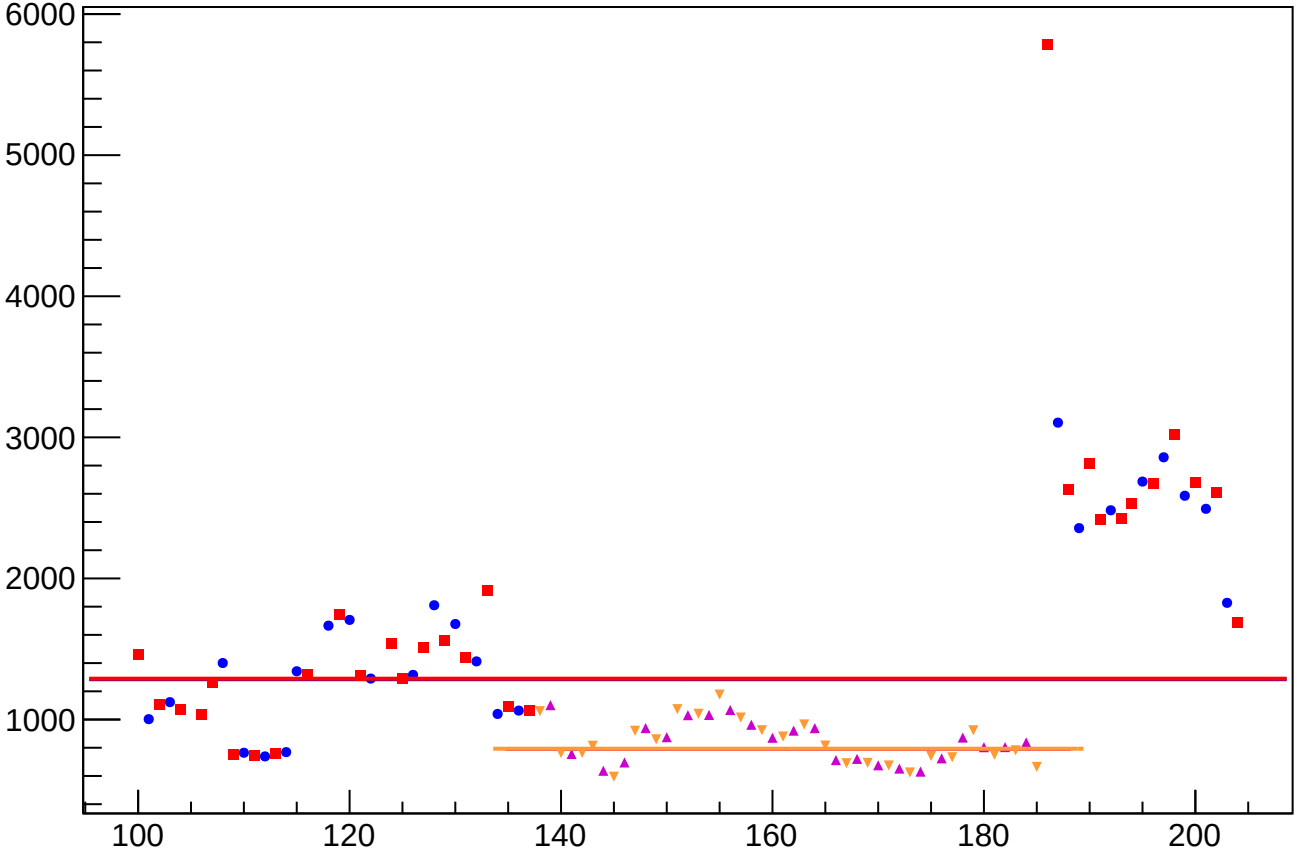
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 870.915+/-165.980 χ^2/NDF: 97.0/48

All: 563.128+/-117.849 χ^2/NDF: 154.0/101

- sign 250.219+/-167.356 χ^2/NDF: 50.0/52

asym_sam_3748_avg_rms vs Slug



Right In: 1285.936+/-0.275 χ^2/NDF: 4249397.9/23

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

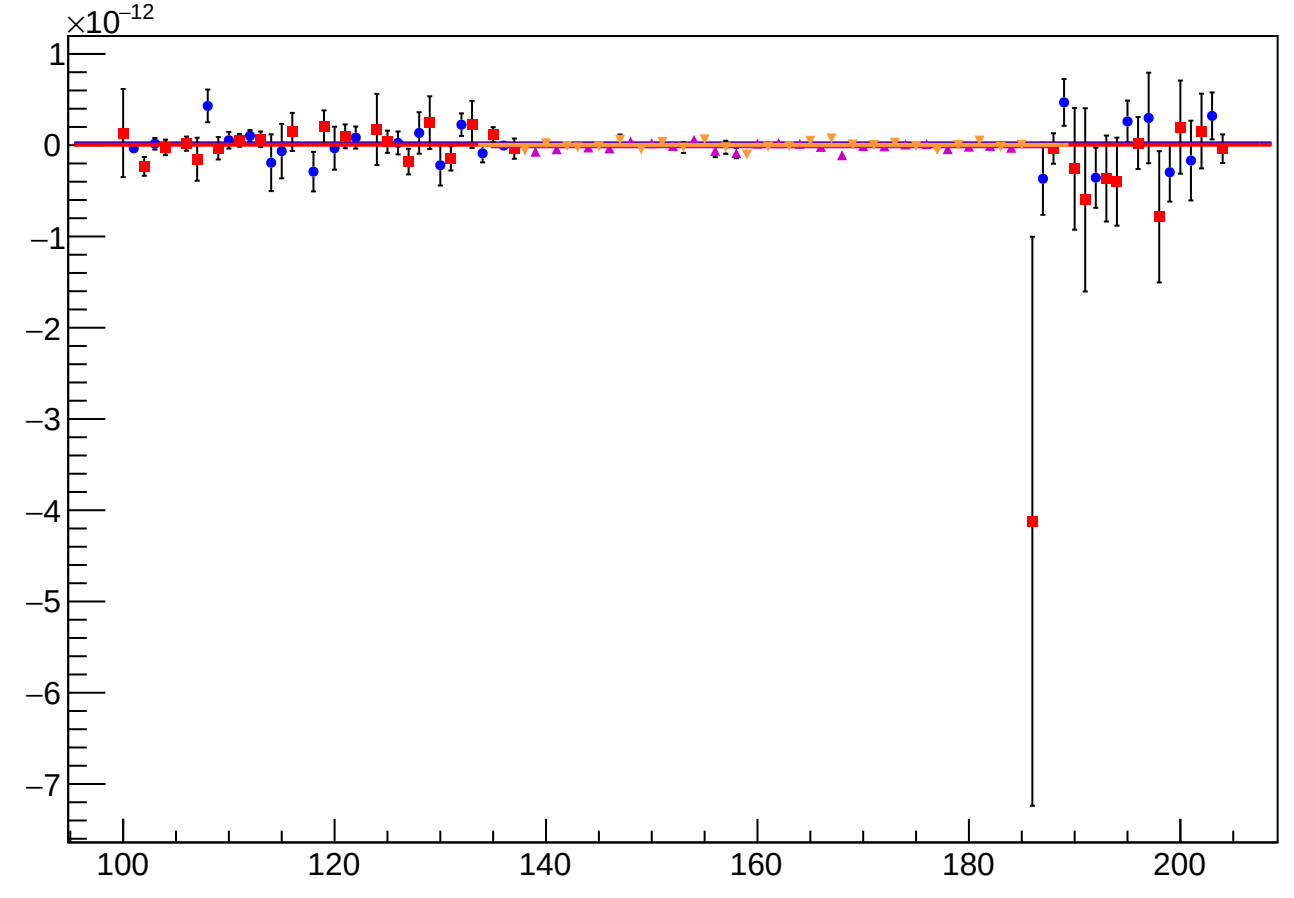
Right Out: 1289.422+/-0.260 χ^2/NDF: 5957762.4/29

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

\+ sign 883.118+/-0.117 χ^2/NDF: 8077211.2/48

All: 888.874+/-0.083 χ^2/NDF: 18008033.7/10

\- sign 894.726+/-0.118 χ^2/NDF: 9925971.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 26.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

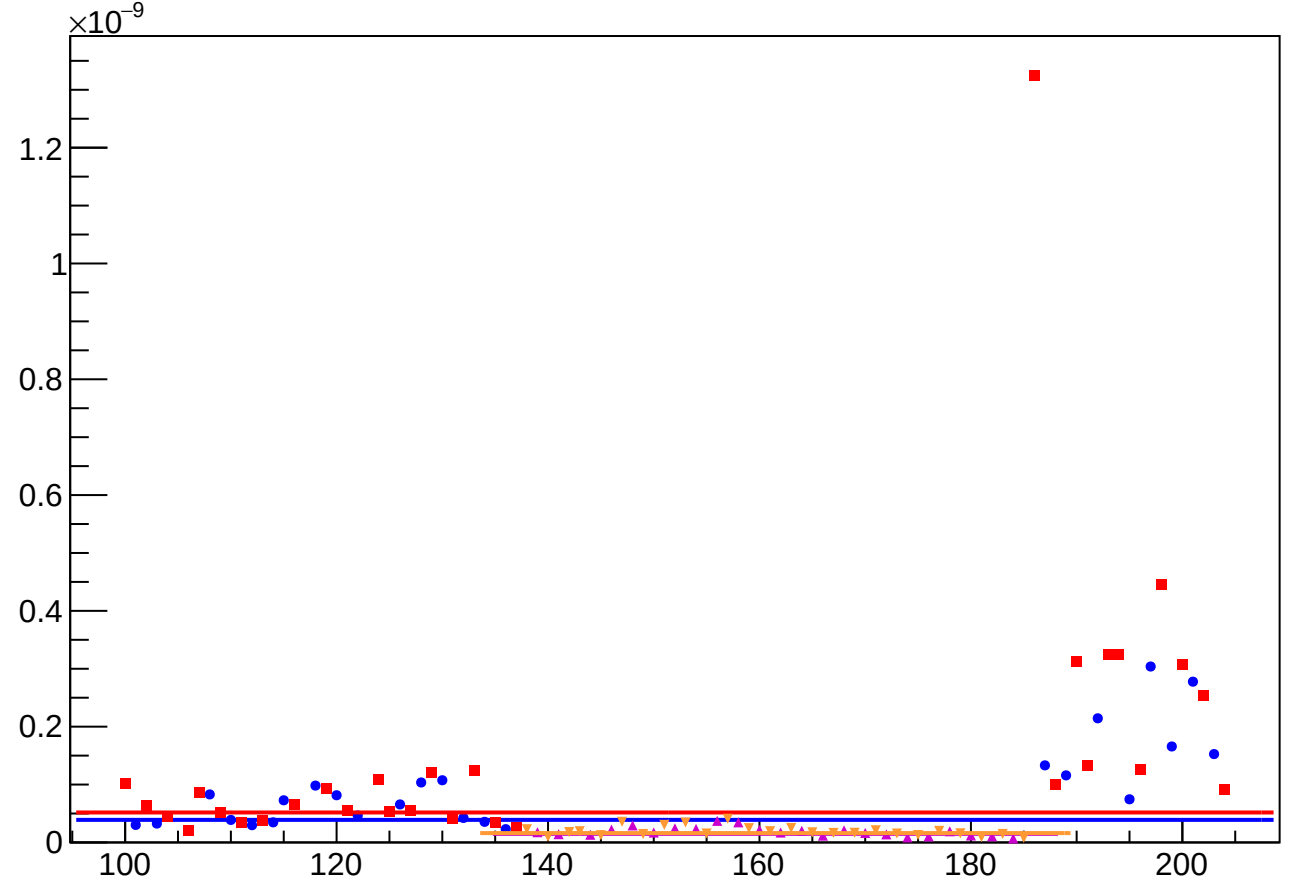
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/29

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.7/48

All: -0.000+/-0.000 χ^2/NDF: 110.9/101

- sign -0.000+/-0.000 χ^2/NDF: 46.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 4046783.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5215102.9/29

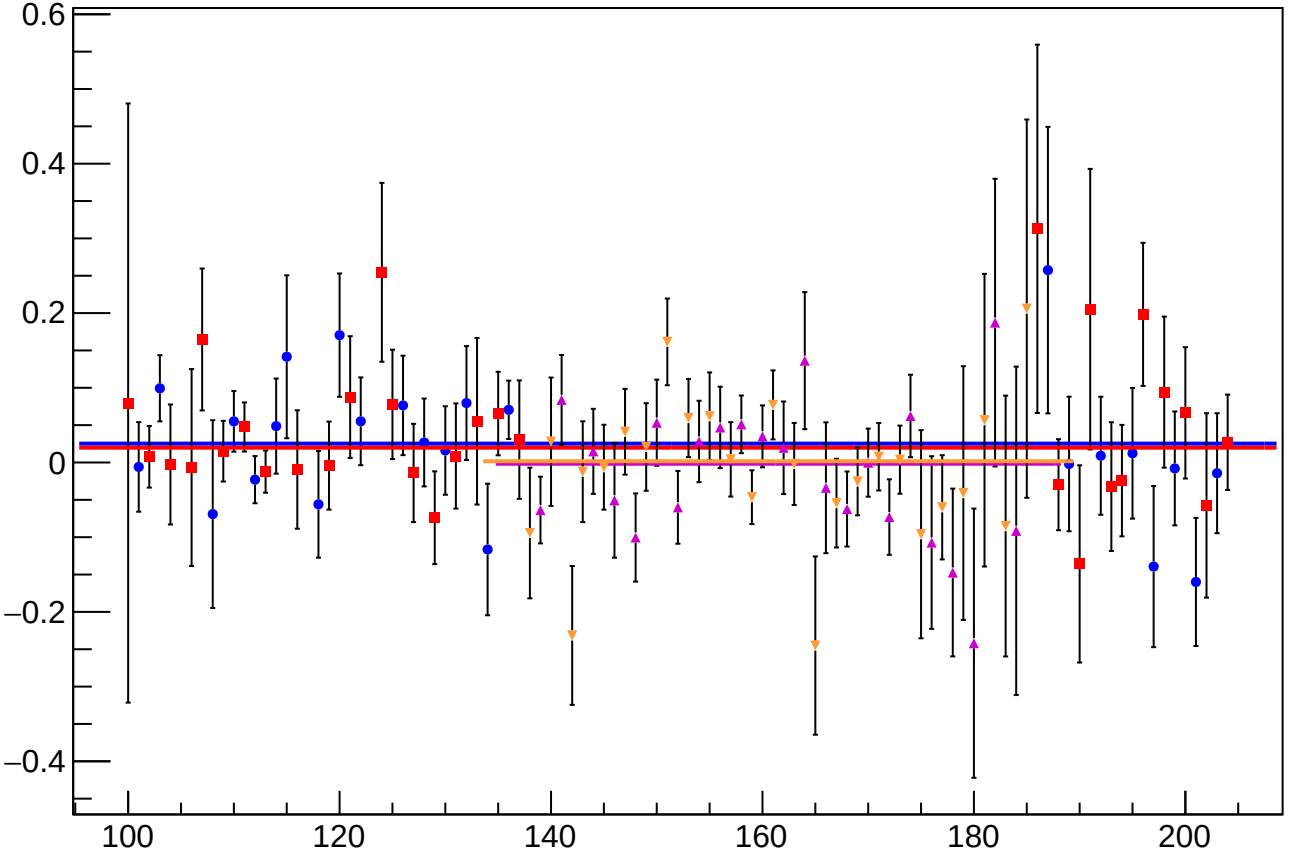
Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7856624.1/48

All: 0.000+/-0.000 χ^2/NDF: 18603152.3/101

- sign 0.000+/-0.000 χ^2/NDF: 10714608.7/52

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.025+/-0.013 χ^2/NDF: 26.5/23

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.020+/-0.012 χ^2/NDF: 23.2/29

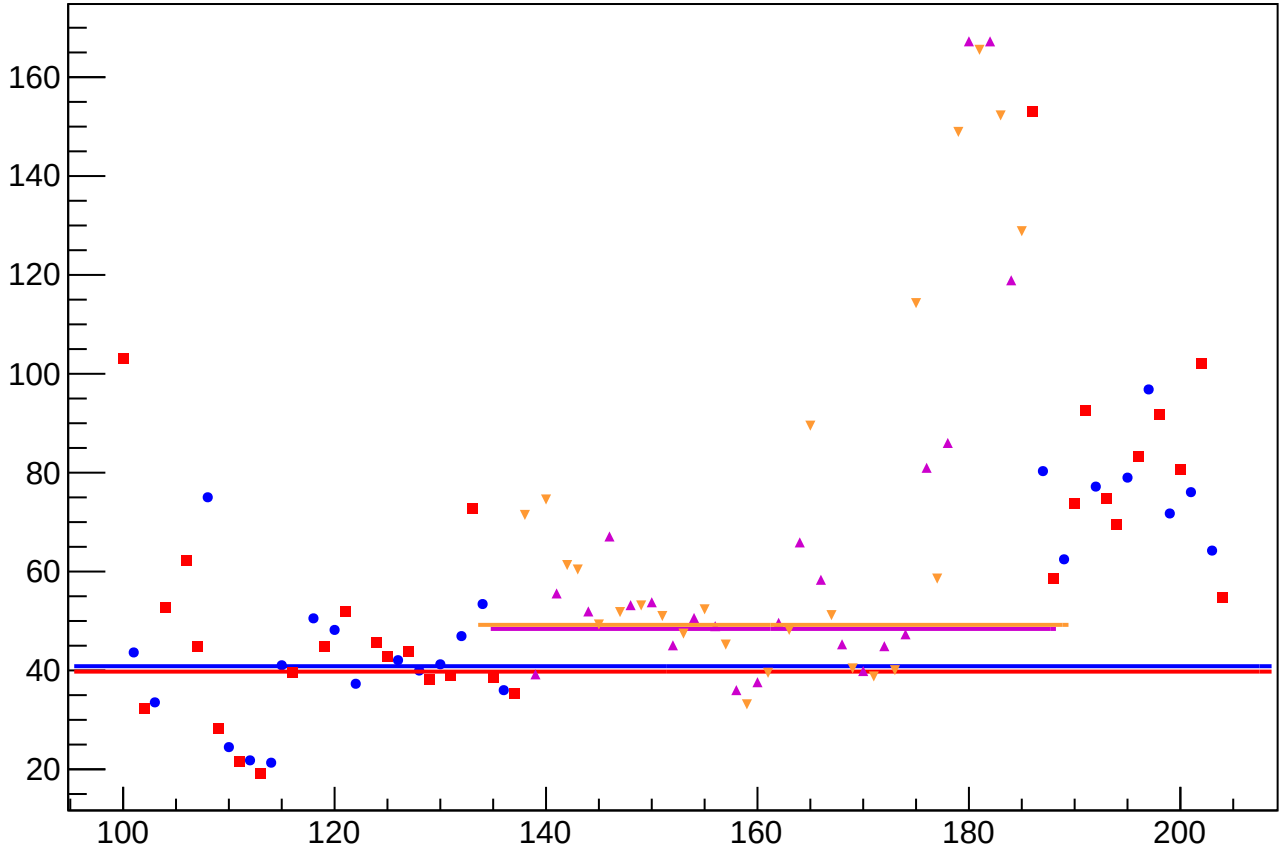
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 58.7/48

All: 0.011+/-0.006 χ^2/NDF: 109.7/101

- sign 0.010+/-0.009 χ^2/NDF: 50.9/52

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 40.853+/-0.009 χ^2/NDF: 3971111.0/23

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

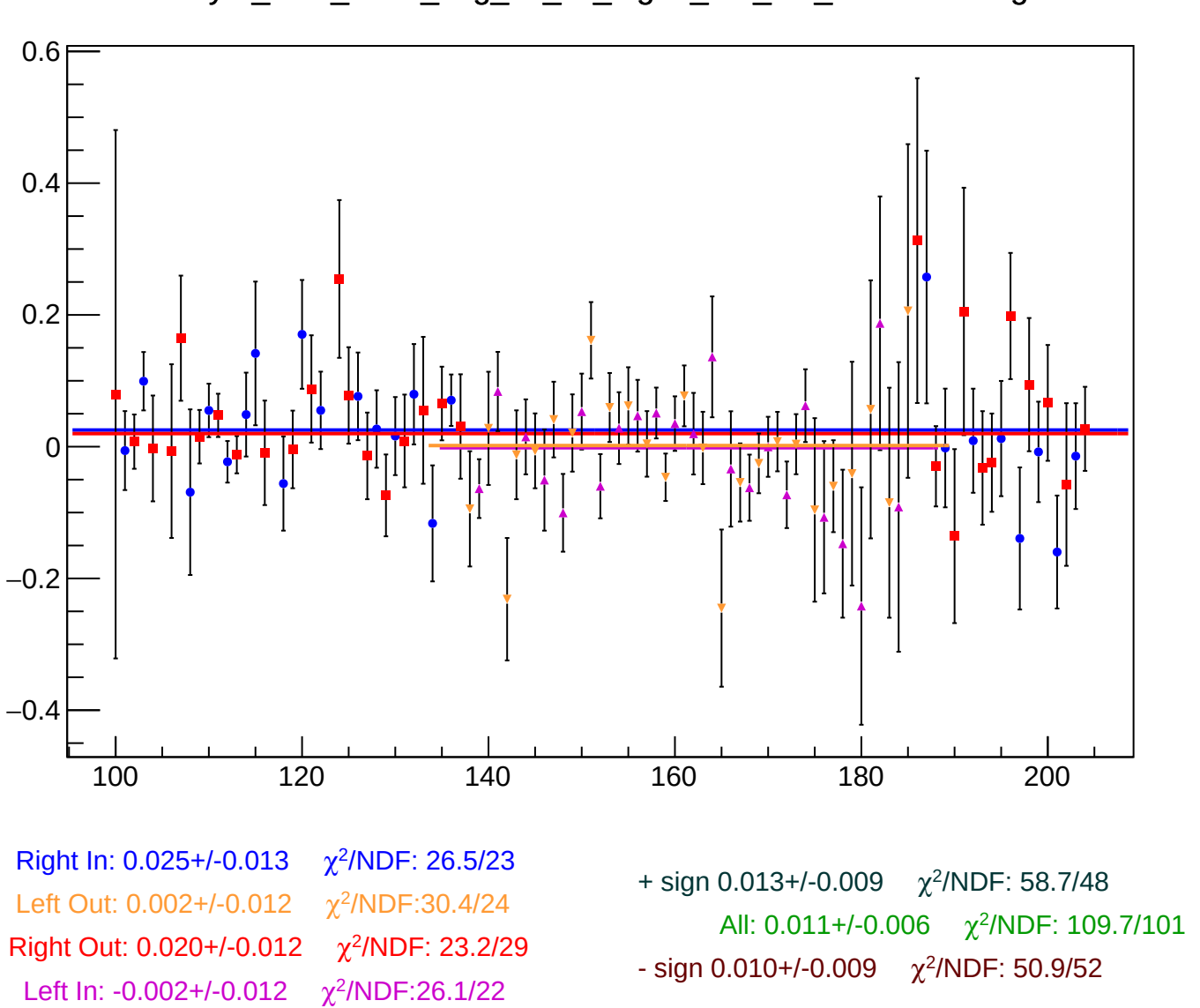
Right Out: 39.759+/-0.008 χ^2/NDF: 5874547.3/29

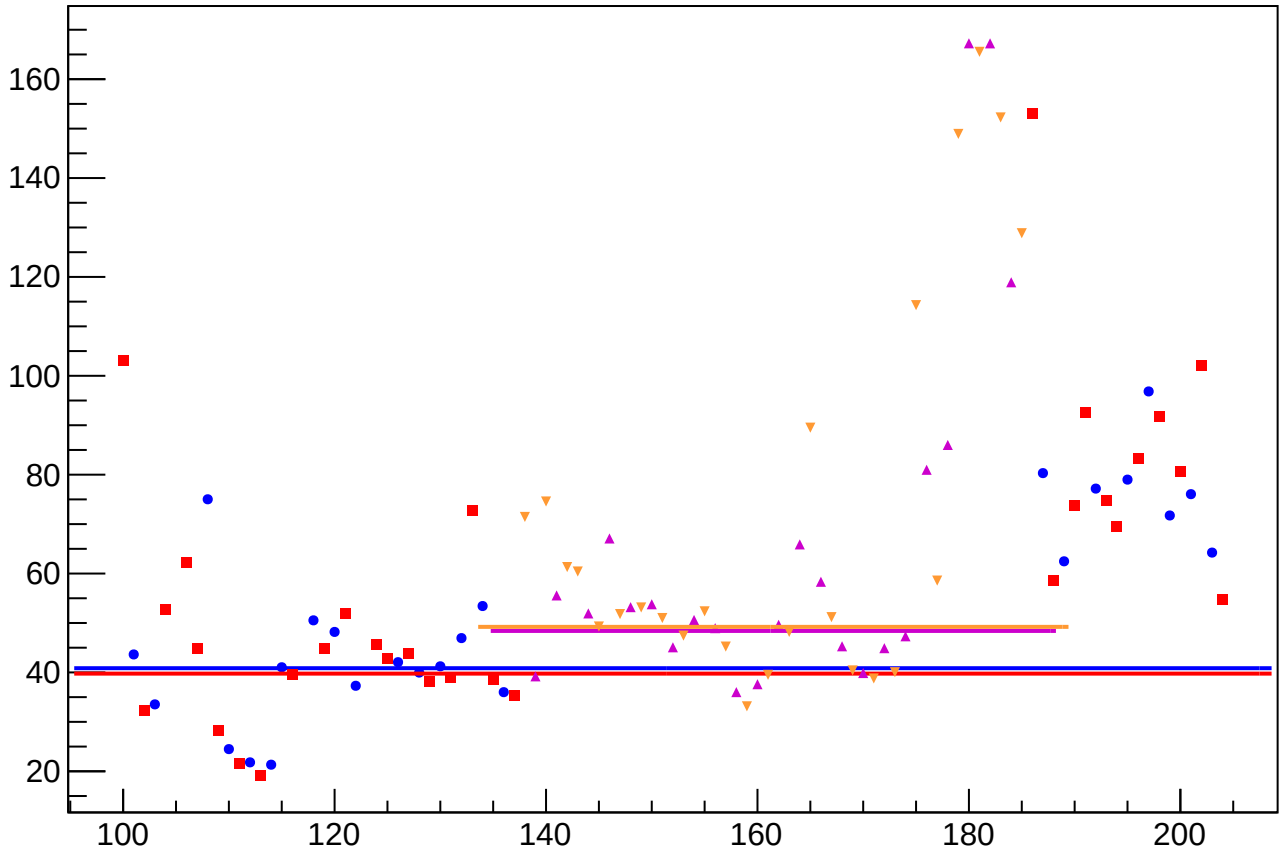
Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 45.178+/-0.006 χ^2/NDF: 8589399.9/48

All: 44.510+/-0.004 χ^2/NDF: 18027997.4/101

- sign 43.884+/-0.006 χ^2/NDF: 9416469.6/52


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.025+/-0.013 χ²/NDF: 26.5/23
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.020+/-0.012 χ²/NDF: 23.2/29
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.013+/-0.009 χ²/NDF: 58.7/48
All: 0.011+/-0.006 χ²/NDF: 109.7/101
- sign 0.010+/-0.009 χ²/NDF: 50.9/52



Right In: 40.853+/-0.009 χ^2/NDF: 3971111.0/23

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

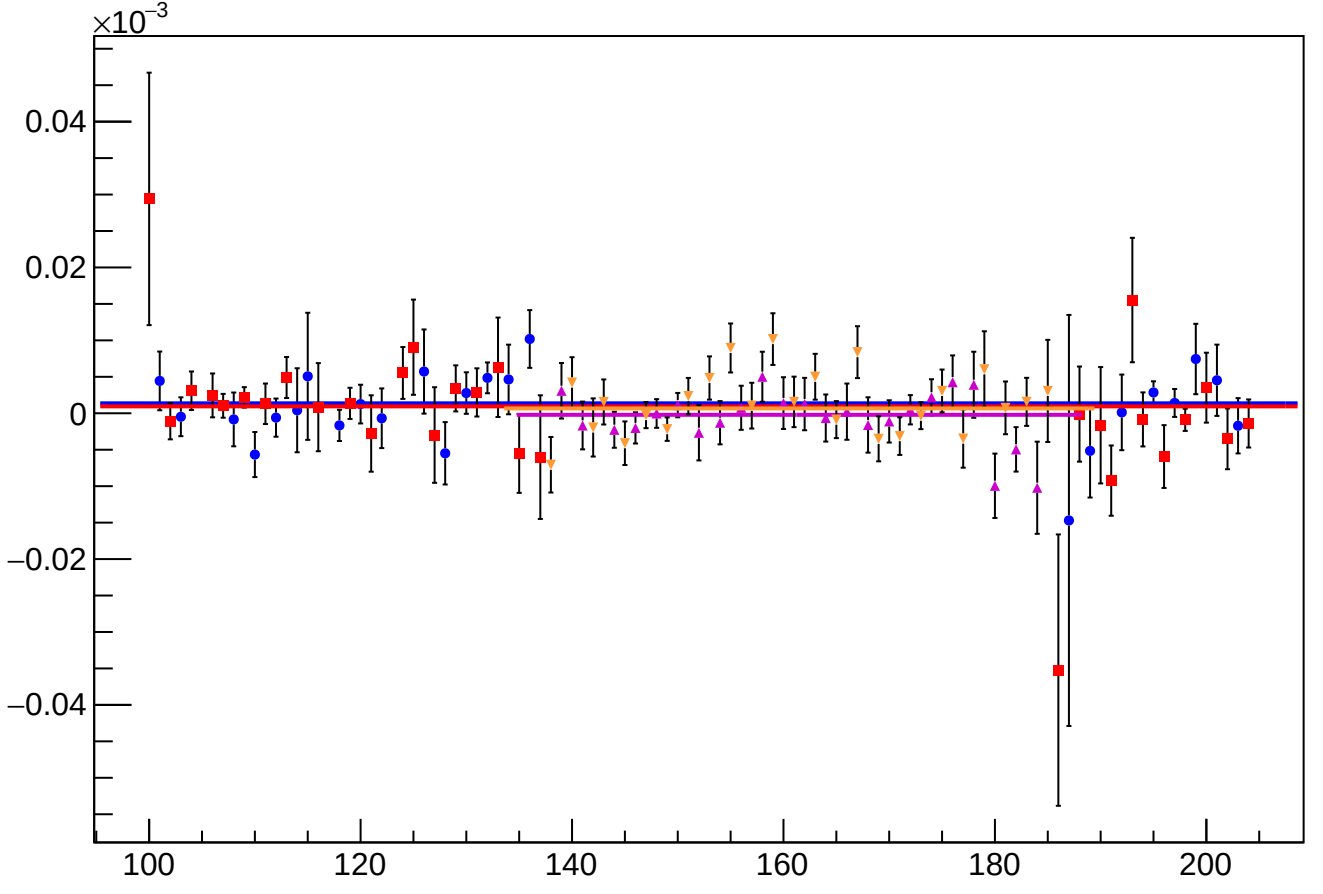
Right Out: 39.759+/-0.008 χ^2/NDF: 5874547.3/29

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 45.178+/-0.006 χ^2/NDF: 8589399.9/48

All: 44.510+/-0.004 χ^2/NDF: 18027997.4/101

- sign 43.884+/-0.006 χ^2/NDF: 9416469.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 26.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/29

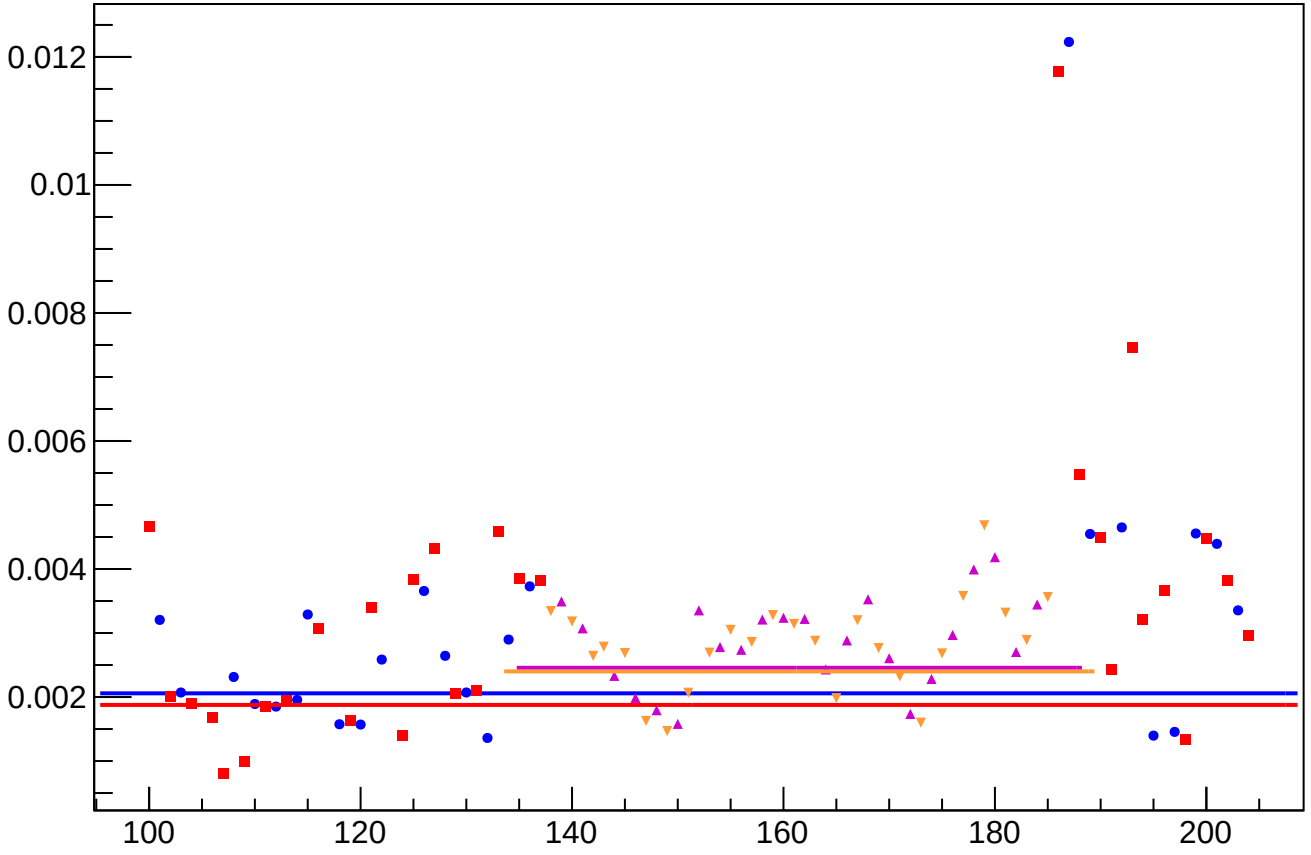
Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.6/48

All: 0.000+/-0.000 χ^2/NDF: 123.5/101

- sign 0.000+/-0.000 χ^2/NDF: 54.0/52

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4120867.2/23

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

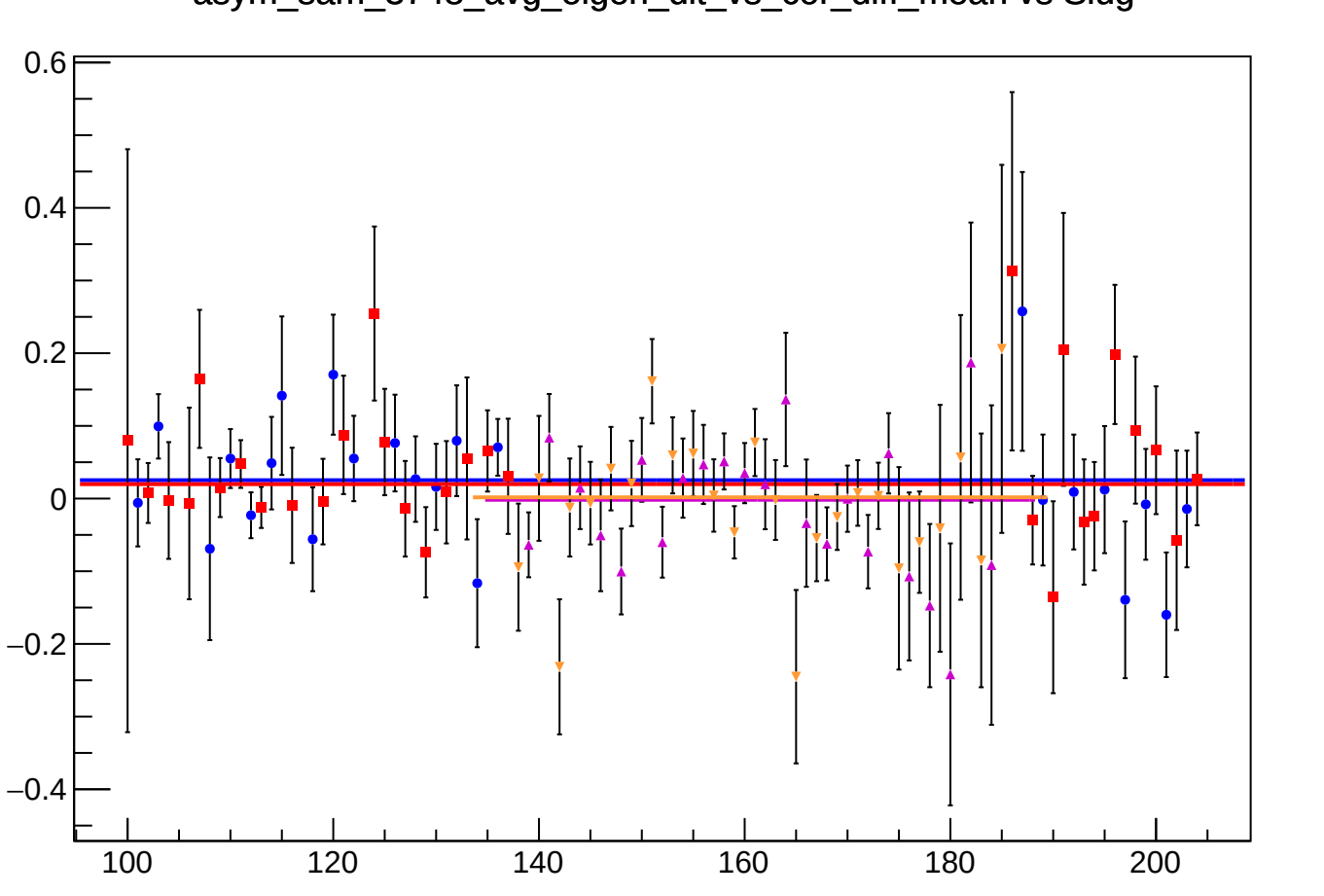
Right Out: 0.002+/-0.000 χ^2/NDF: 7559459.8/29

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 7562905.1/48

All: 0.002+/-0.000 χ^2/NDF: 18784610.6/101

- sign 0.002+/-0.000 χ^2/NDF: 11169127.5/52



Right In: 0.025+/-0.013 χ^2/NDF: 26.5/23

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

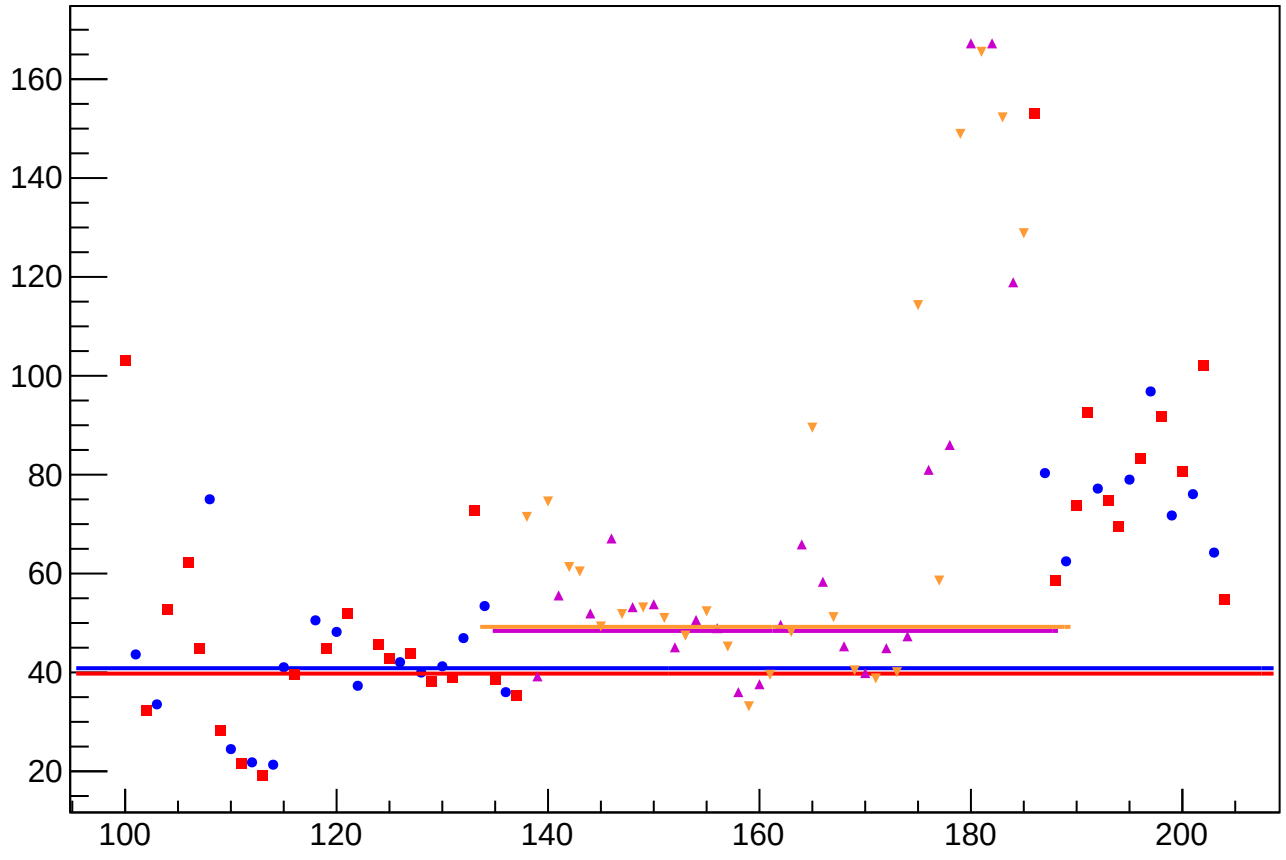
Right Out: 0.020+/-0.012 χ^2/NDF: 23.2/29

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 58.7/48

All: 0.011+/-0.006 χ^2/NDF: 109.7/101

- sign 0.010+/-0.009 χ^2/NDF: 50.9/52



Right In: 40.853+/-0.009 χ^2/NDF: 3970994.7/23

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

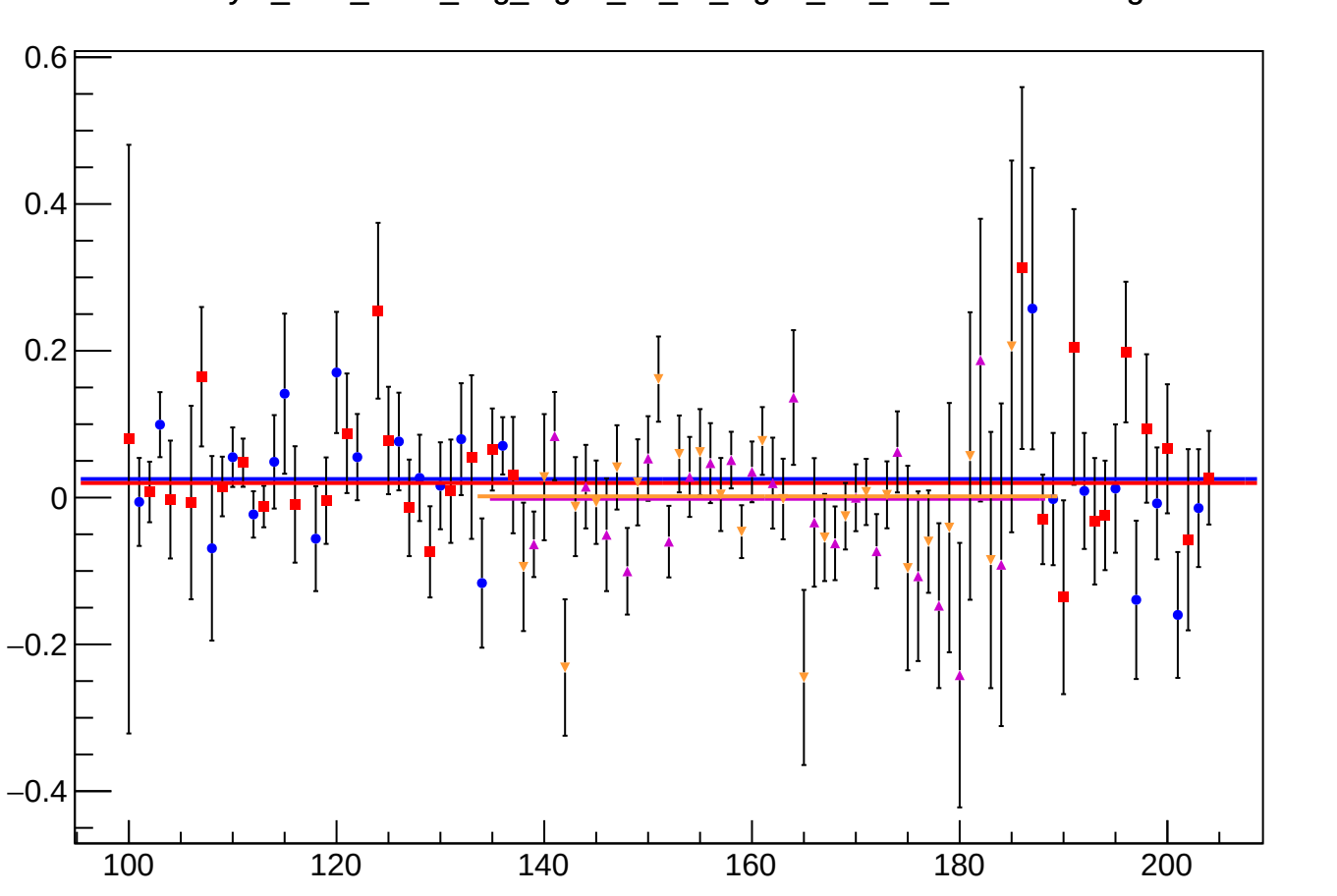
Right Out: 39.759+/-0.008 χ^2/NDF: 5874495.5/29

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 45.179+/-0.006 χ^2/NDF: 8589269.6/48

All: 44.510+/-0.004 χ^2/NDF: 18027780.3/101

- sign 43.885+/-0.006 χ^2/NDF: 9416385.0/52



Right In: 0.025+/-0.013 χ^2/NDF: 26.5/23

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

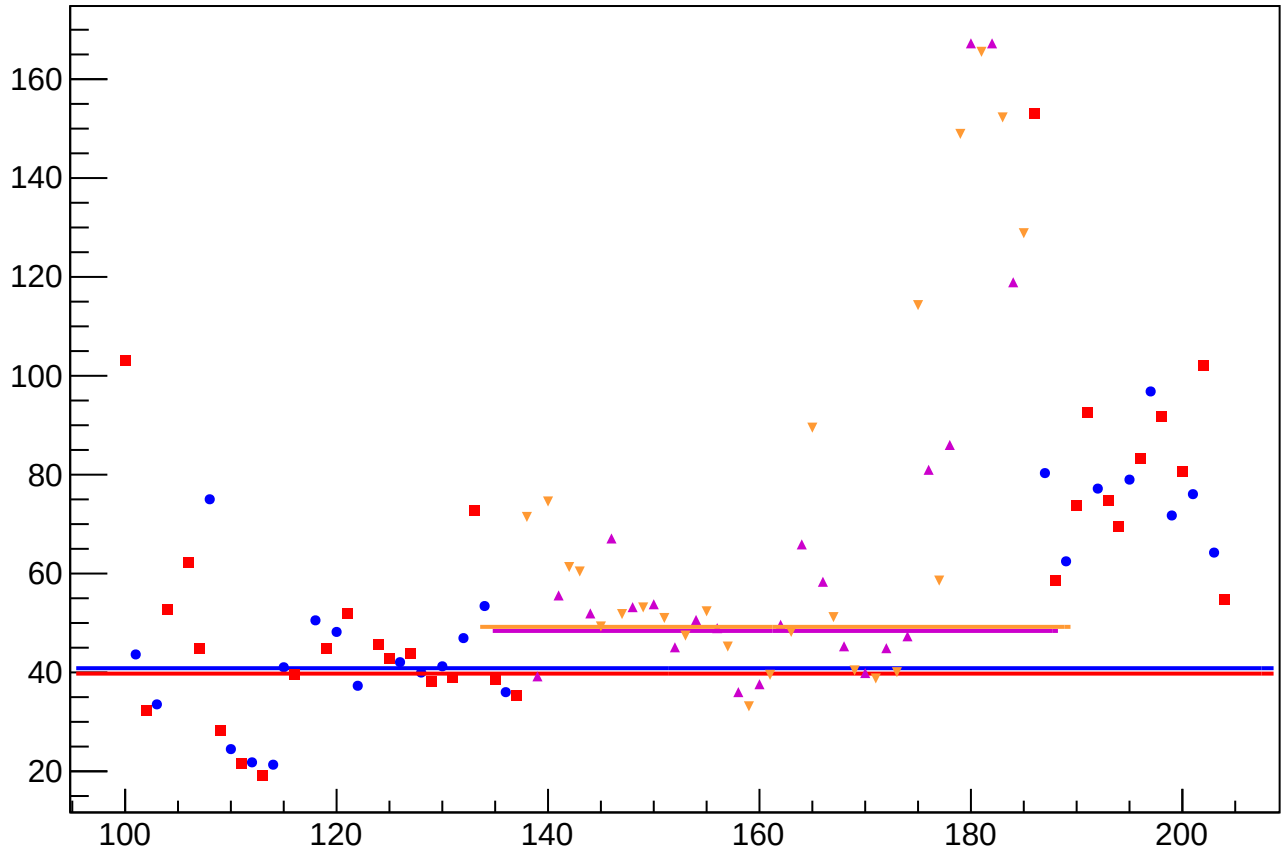
Right Out: 0.020+/-0.012 χ^2/NDF: 23.2/29

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 58.7/48

All: 0.011+/-0.006 χ^2/NDF: 109.7/101

- sign 0.010+/-0.009 χ^2/NDF: 50.9/52



Right In: 40.853+/-0.009 χ^2/NDF: 3970994.7/23

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

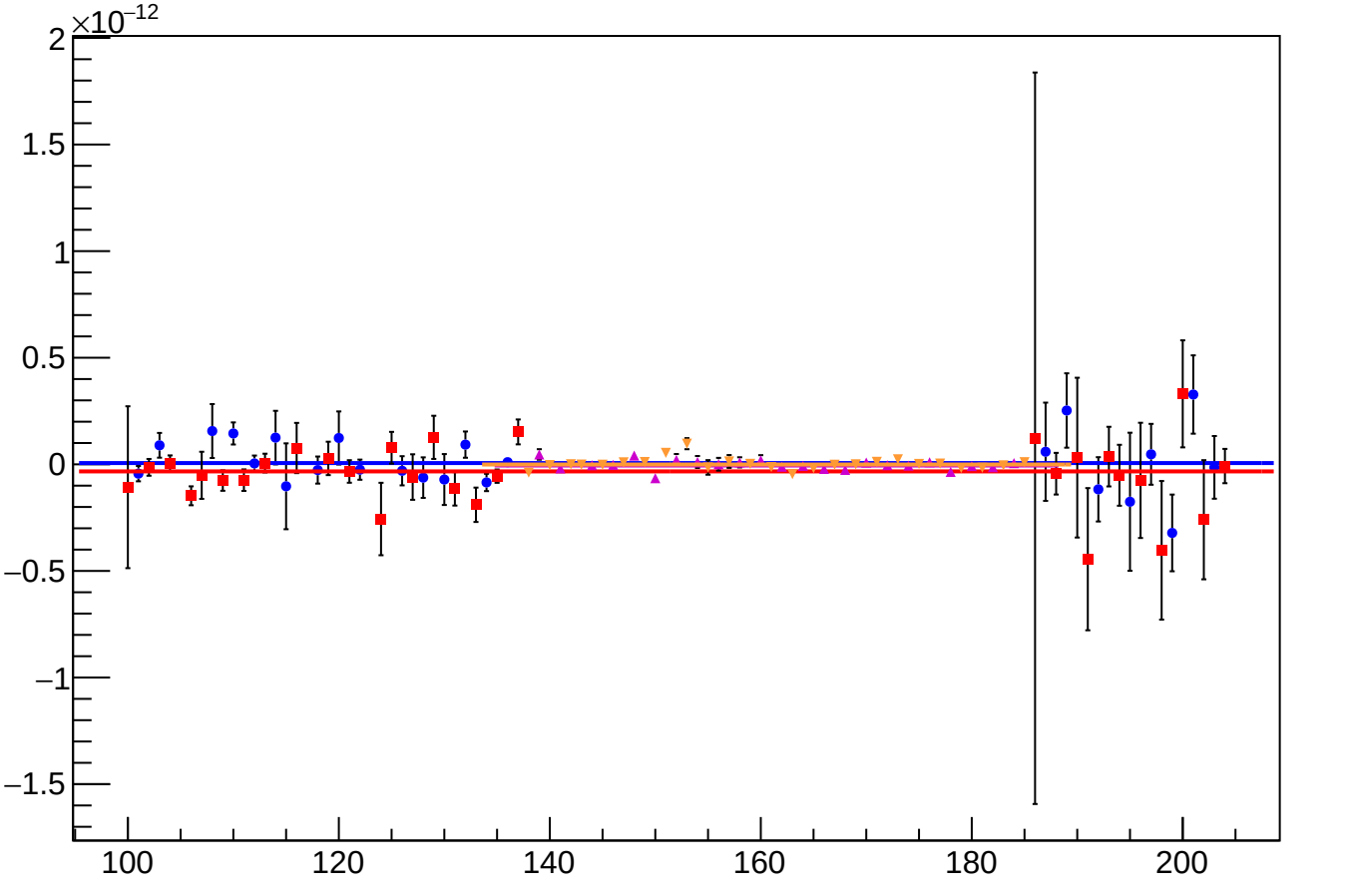
Right Out: 39.759+/-0.008 χ^2/NDF: 5874495.5/29

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 45.179+/-0.006 χ^2/NDF: 8589269.6/48

All: 44.510+/-0.004 χ^2/NDF: 18027780.3/101

- sign 43.885+/-0.006 χ^2/NDF: 9416385.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

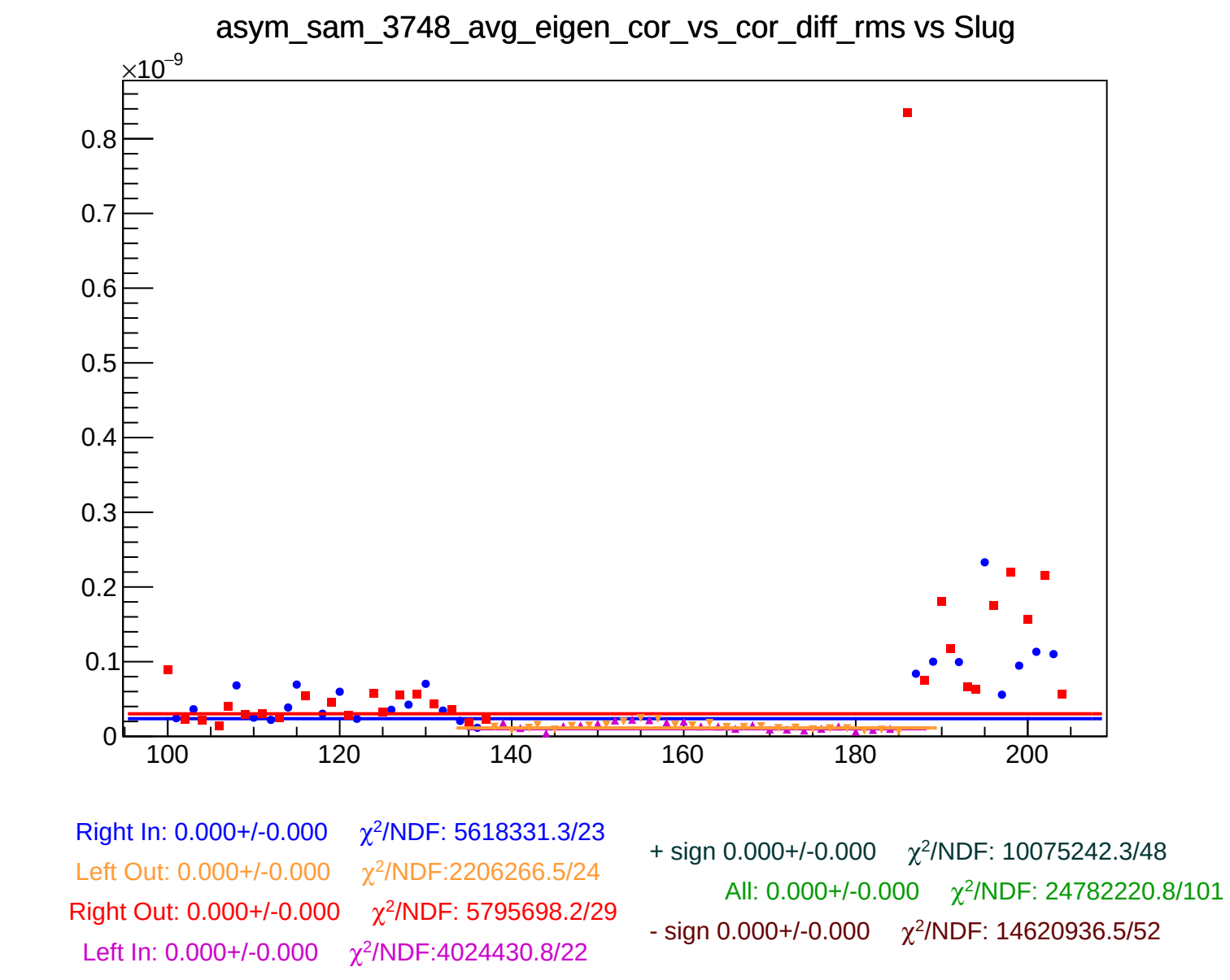
Right Out: -0.000+/-0.000 χ^2/NDF: 39.5/29

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

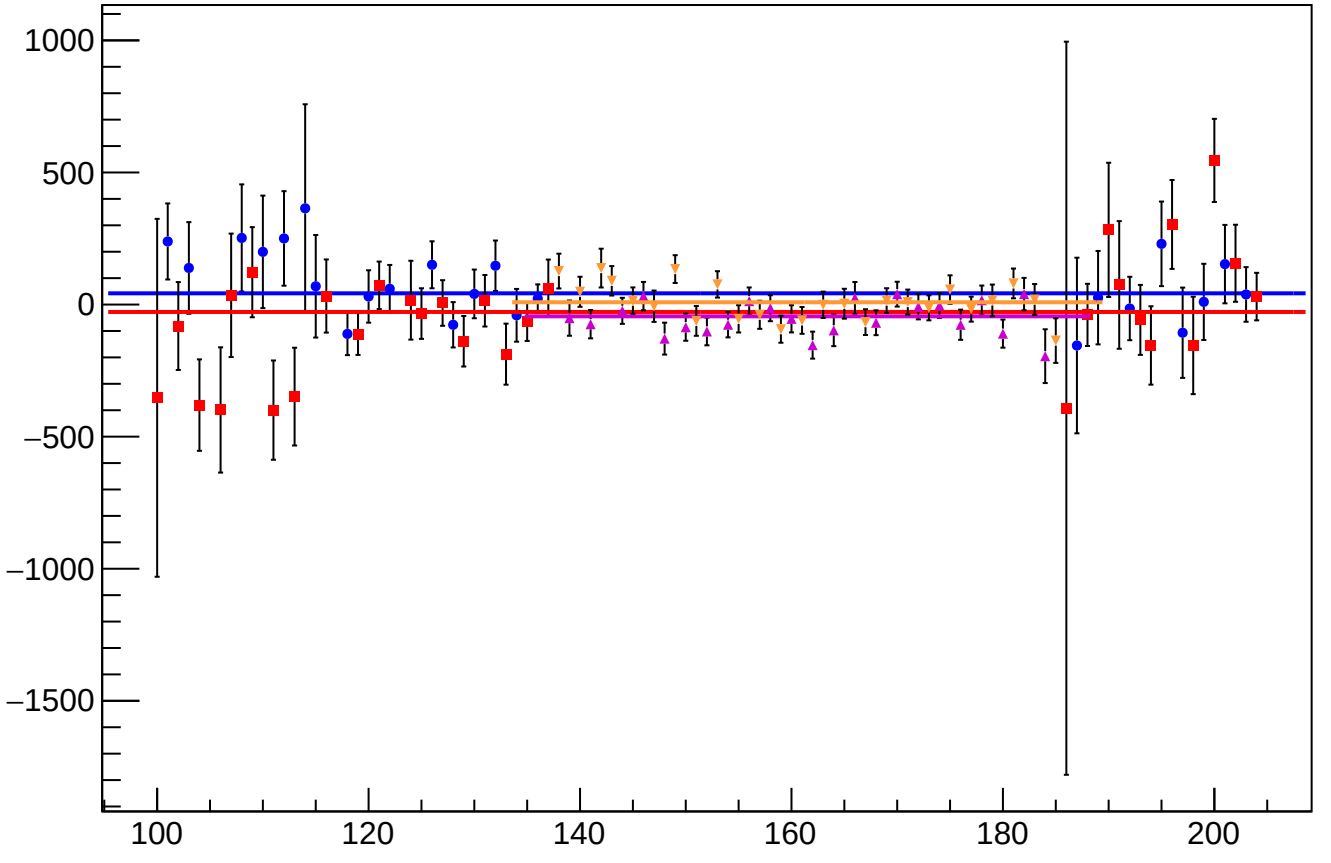
+ sign -0.000+/-0.000 χ^2/NDF: 70.4/48

All: -0.000+/-0.000 χ^2/NDF: 145.3/101

- sign -0.000+/-0.000 χ^2/NDF: 72.5/52


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5618331.3/23
Left Out: 0.000+/-0.000 χ²/NDF:2206266.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 5795698.2/29
Left In: 0.000+/-0.000 χ²/NDF:4024430.8/22
+ sign 0.000+/-0.000 χ²/NDF: 10075242.3/48
All: 0.000+/-0.000 χ²/NDF: 24782220.8/101
- sign 0.000+/-0.000 χ²/NDF: 14620936.5/52

reg_asym_sam_1526_avg_mean vs Slug



Right In: 42.554+/-23.092 χ^2/NDF: 18.3/23

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -27.981+/-23.149 χ^2/NDF: 44.1/29

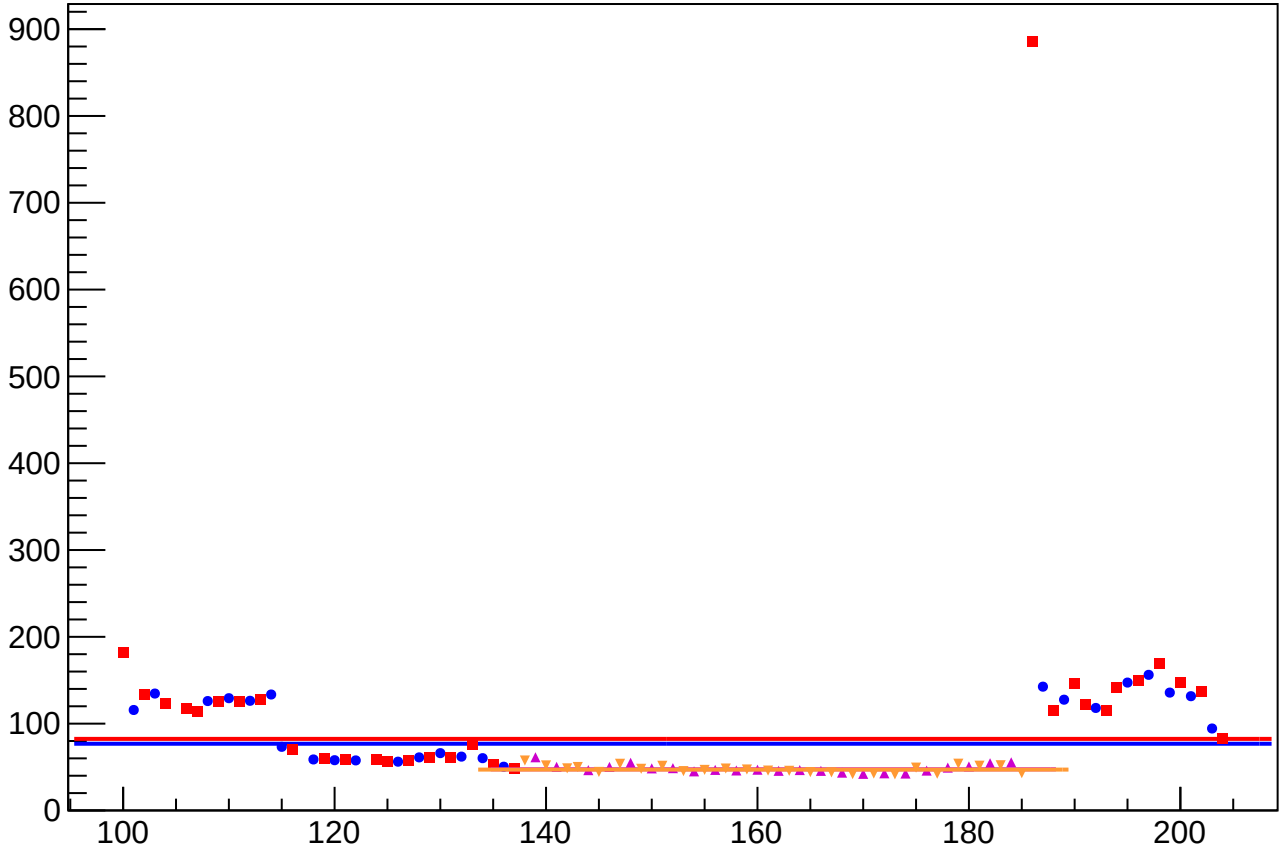
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 14.794+/-9.760 χ^2/NDF: 54.6/48

All: -12.509+/-7.000 χ^2/NDF: 142.2/101

- sign -41.424+/-10.044 χ^2/NDF: 71.5/52

reg_asym_sam_1526_avg_rms vs Slug



Right In: 76.849+/-0.016 χ^2/NDF: 3815401.2/23

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

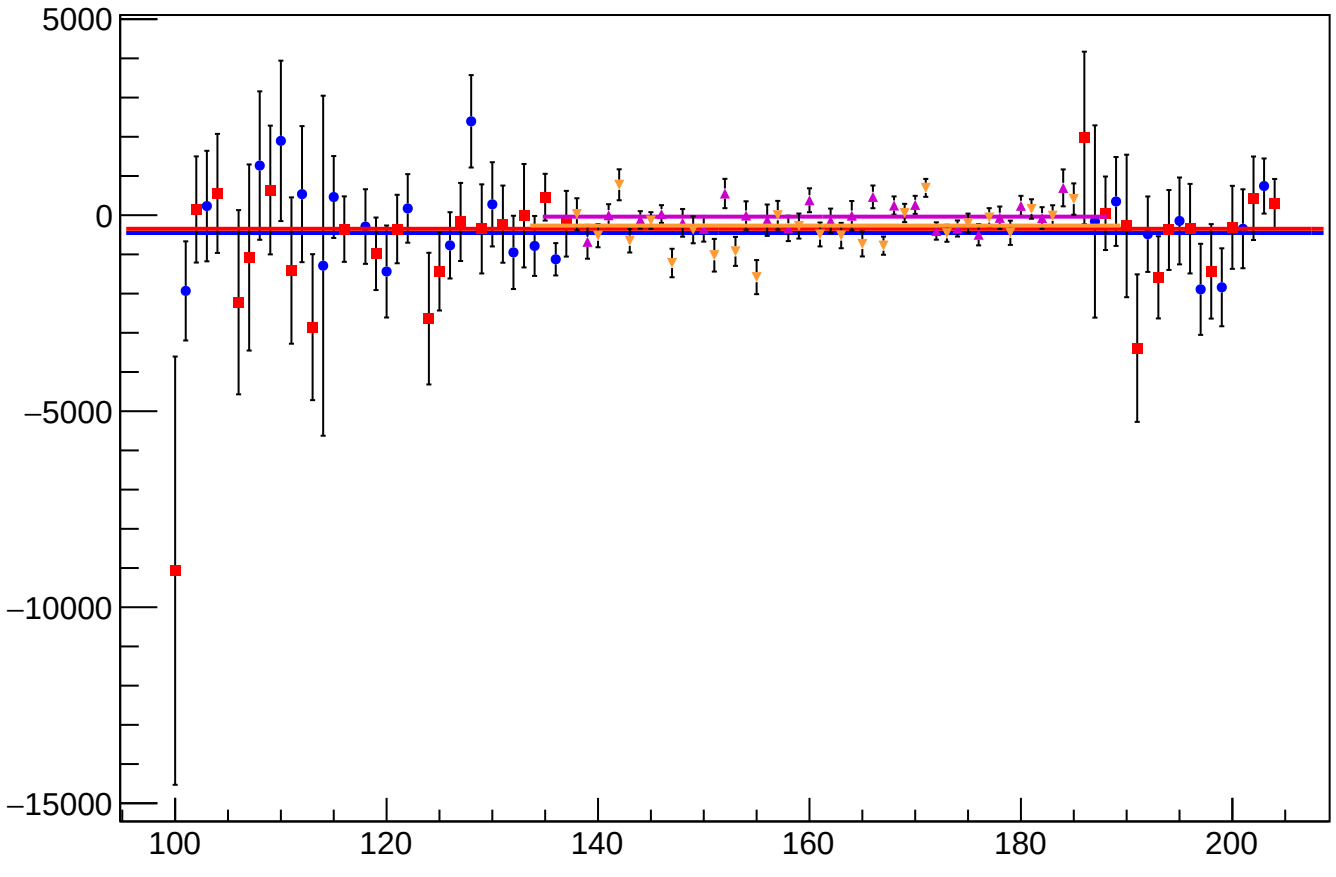
Right Out: 82.443+/-0.016 χ^2/NDF: 4982780.8/29

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 52.385+/-0.007 χ^2/NDF: 6835803.2/48

All: 53.162+/-0.005 χ^2/NDF: 15839413.0/101

- sign 53.984+/-0.007 χ^2/NDF: 8977534.0/52



Right In: -454.295+/-198.374 χ^2/NDF: 22.7/23

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -347.171+/-201.136 χ^2/NDF: 19.4/29

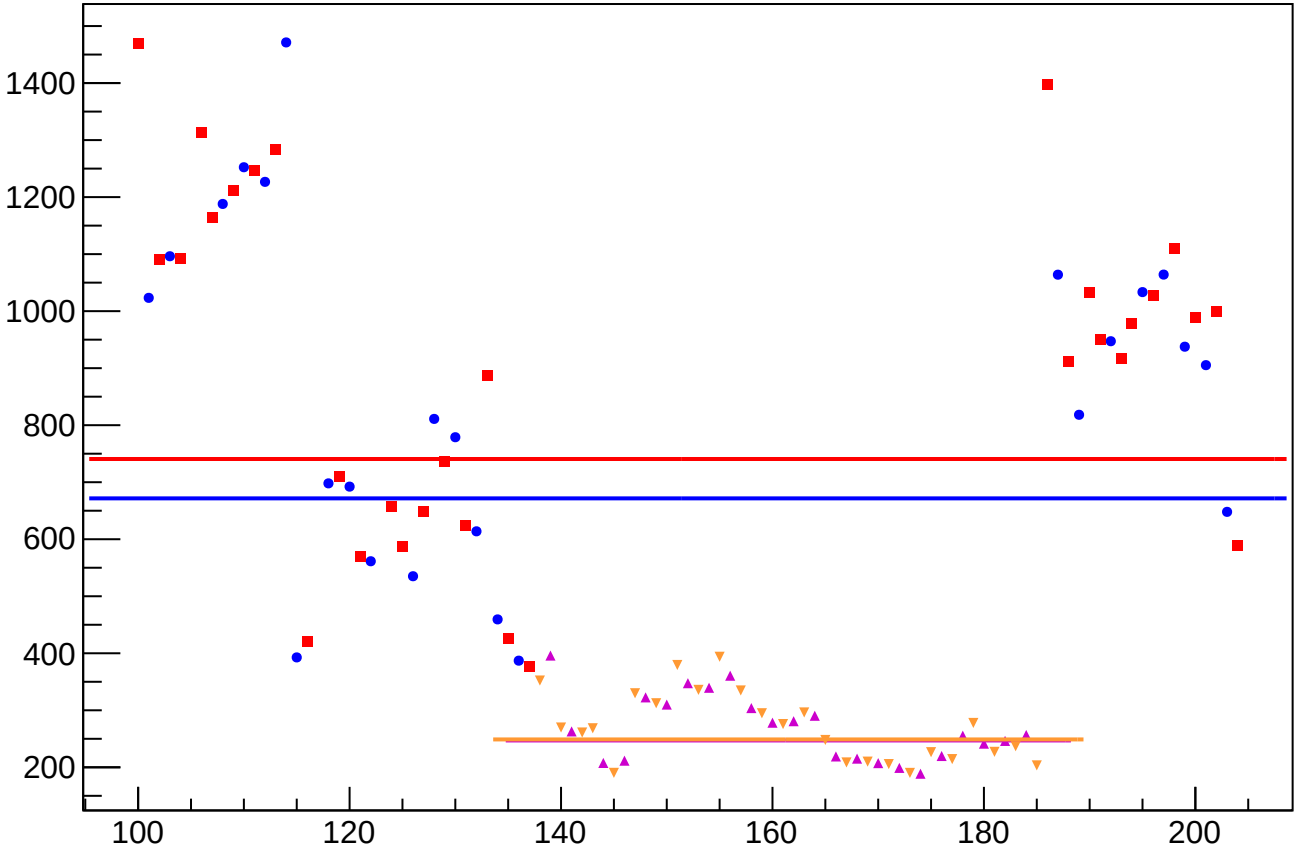
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -280.552+/-55.697 χ^2/NDF: 93.3/48

All: -173.423+/-39.753 χ^2/NDF: 149.0/101

- sign -62.184+/-56.755 χ^2/NDF: 48.2/52

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 671.661+/-0.140 χ^2/NDF: 3253925.9/23

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 740.717+/-0.142 χ^2/NDF: 3511771.2/29

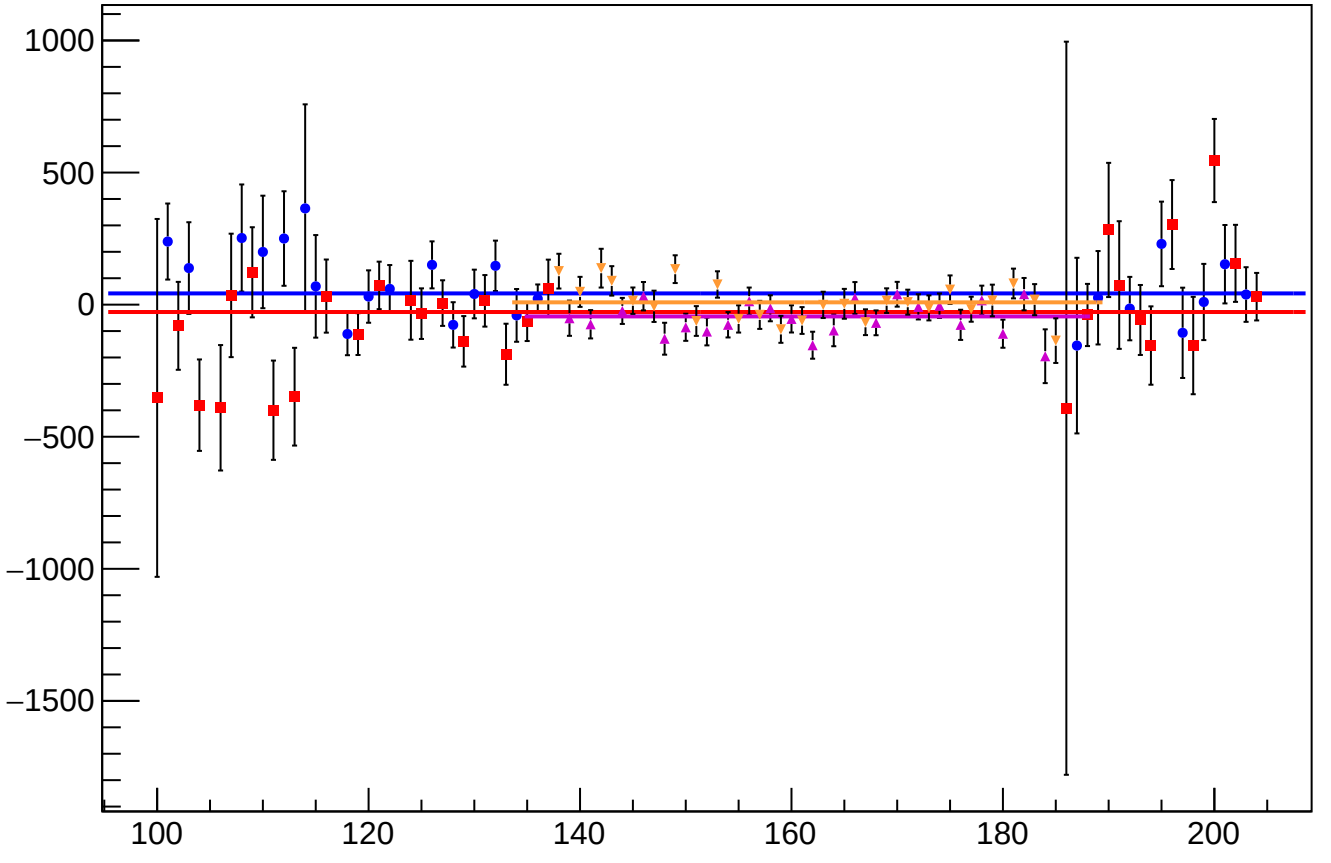
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 282.218+/-0.039 χ^2/NDF: 13285397.2/48

All: 284.275+/-0.028 χ^2/NDF: 29373310.8/10

- sign 286.411+/-0.040 χ^2/NDF: 16082352.4/52

cor_asym_sam_1526_avg_mean vs Slug



Right In: 42.547+/-23.092 χ^2/NDF: 18.3/23

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -27.870+/-23.150 χ^2/NDF: 43.9/29

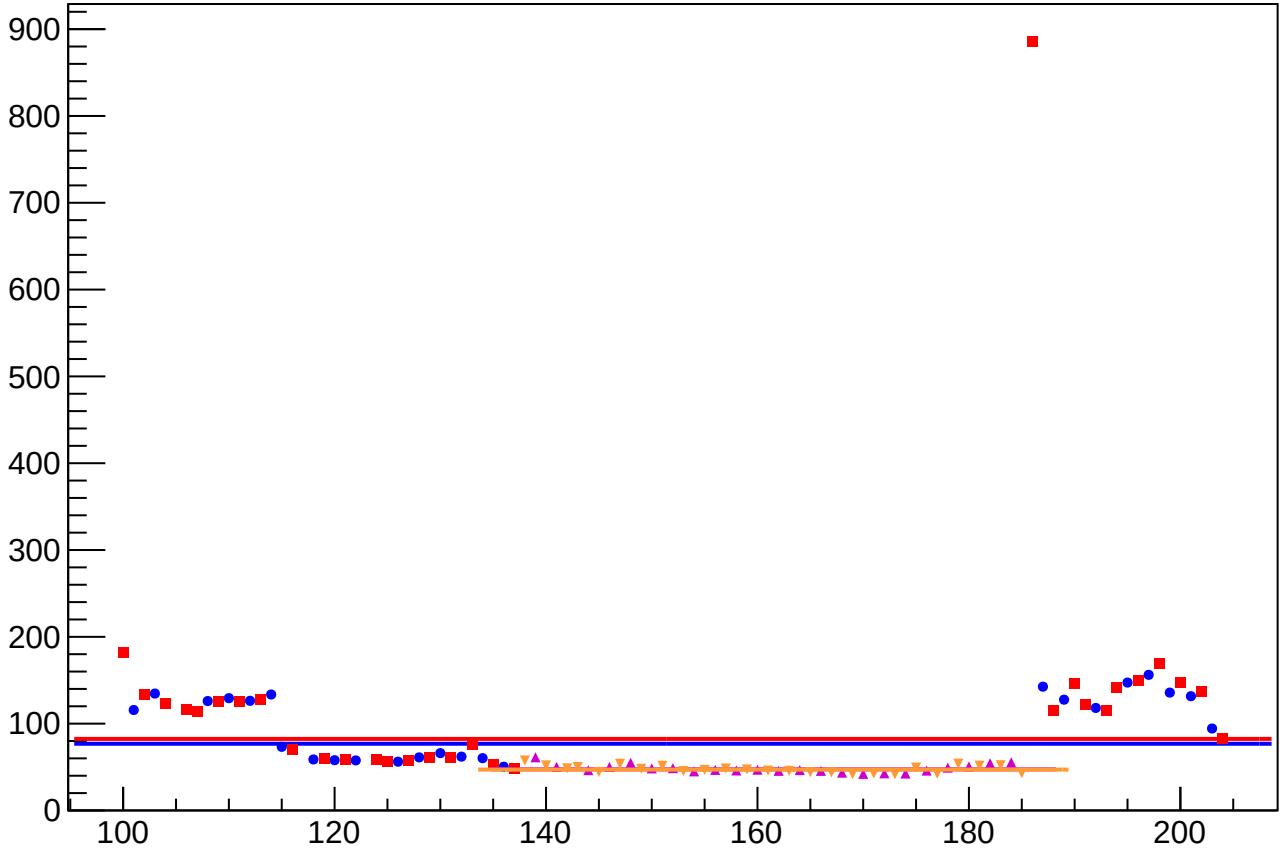
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 14.794+/-9.760 χ^2/NDF: 54.6/48

All: -12.498+/-7.000 χ^2/NDF: 142.1/101

- sign -41.402+/-10.044 χ^2/NDF: 71.4/52

cor_asym_sam_1526_avg_rms vs Slug



Right In: 76.849+/-0.016 χ^2/NDF: 3815403.5/23

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

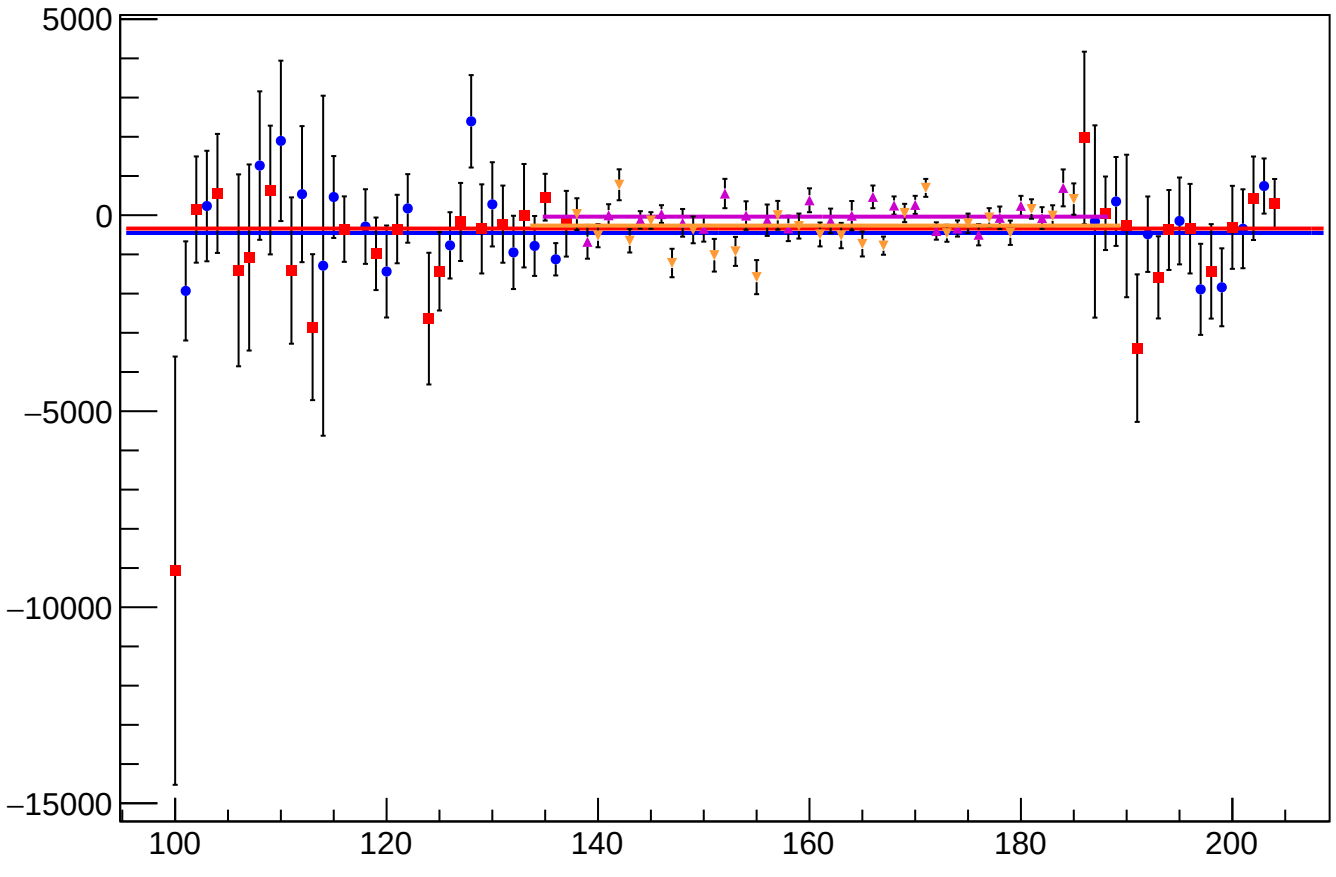
Right Out: 82.433+/-0.016 χ^2/NDF: 4980507.7/29

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 52.385+/-0.007 χ^2/NDF: 6835805.2/48

All: 53.161+/-0.005 χ^2/NDF: 15834799.6/101

- sign 53.982+/-0.007 χ^2/NDF: 8972988.0/52



Right In: -454.284+/-198.374 χ^2/NDF: 22.7/23

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -340.663+/-201.198 χ^2/NDF: 18.9/29

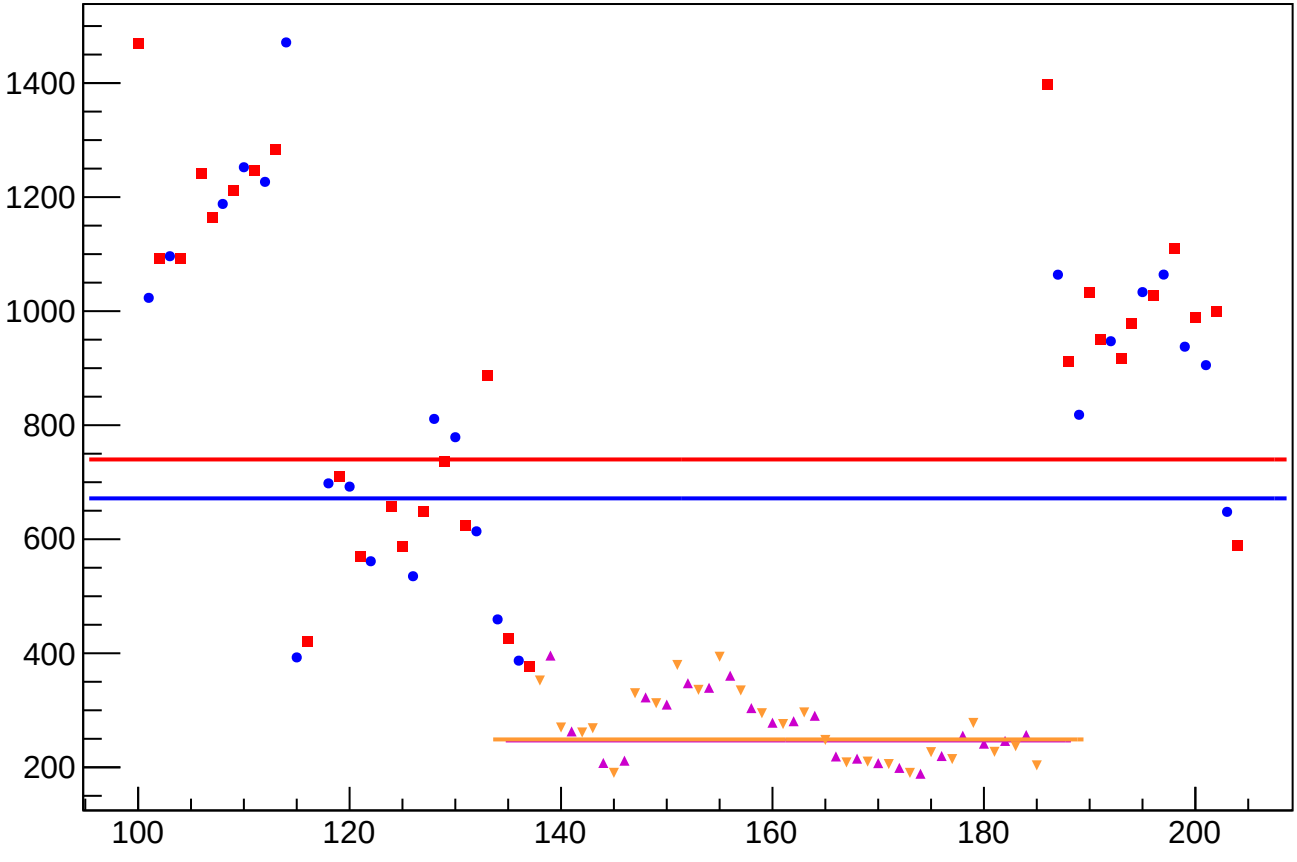
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -280.548+/-55.697 χ^2/NDF: 93.3/48

All: -173.161+/-39.753 χ^2/NDF: 148.5/101

- sign -61.649+/-56.757 χ^2/NDF: 47.6/52

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 671.661+/-0.140 χ^2/NDF: 3253966.0/23

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 739.908+/-0.142 χ^2/NDF: 3477043.0/29

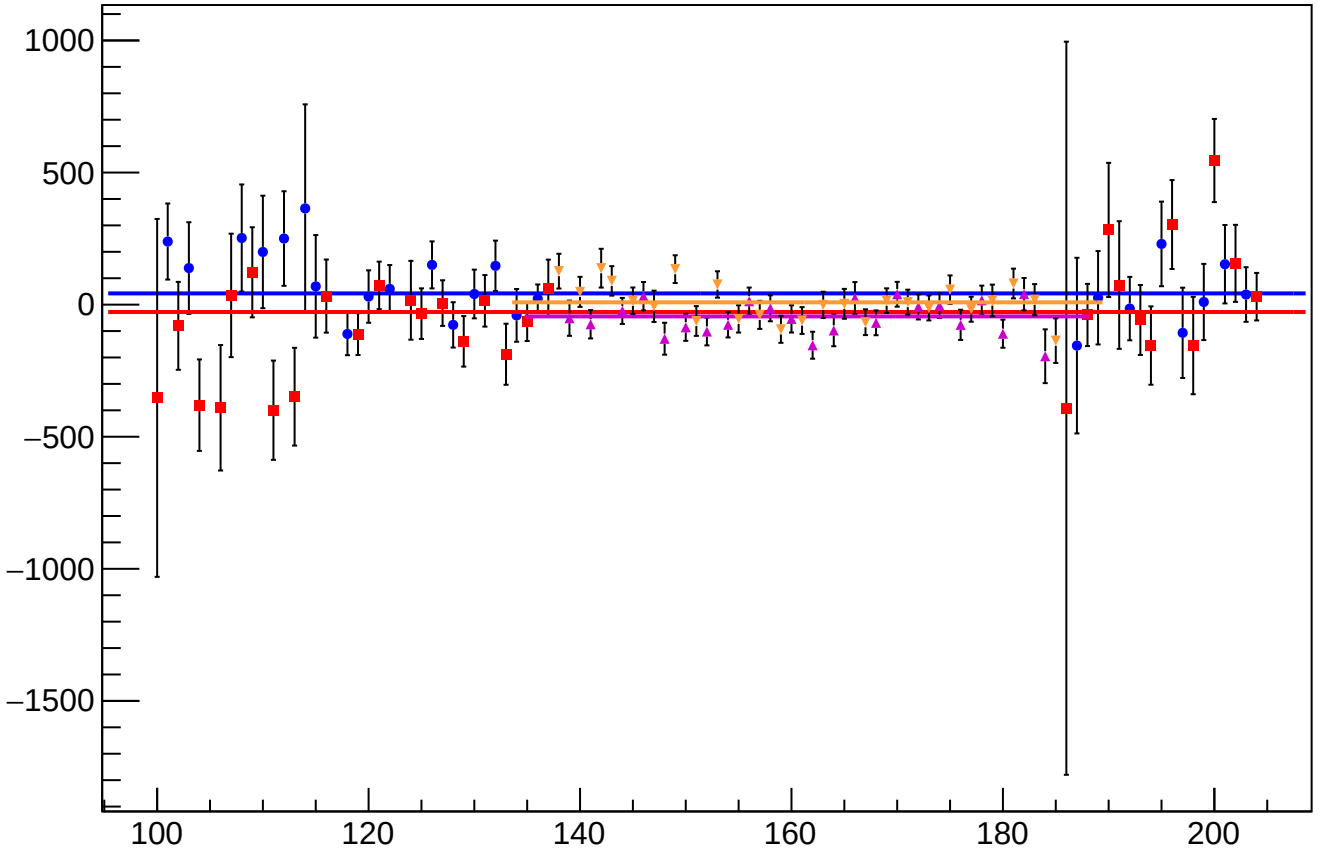
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 282.218+/-0.039 χ^2/NDF: 13285435.9/48

All: 284.233+/-0.028 χ^2/NDF: 29295861.7/10

- sign 286.325+/-0.040 χ^2/NDF: 16005090.6/52

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 42.547+/-23.092 χ^2/NDF: 18.3/23

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -27.870+/-23.150 χ^2/NDF: 43.9/29

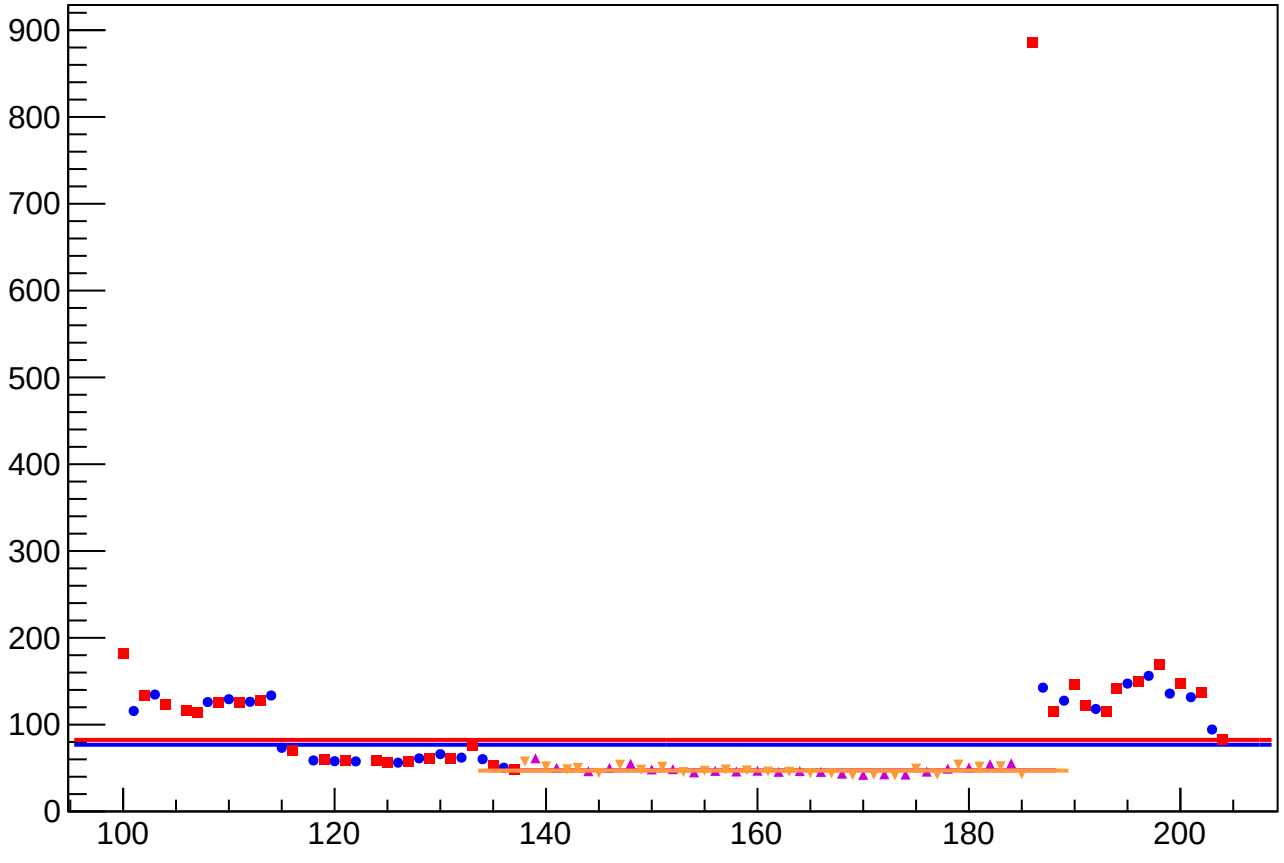
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 14.794+/-9.760 χ^2/NDF: 54.6/48

All: -12.498+/-7.000 χ^2/NDF: 142.1/101

- sign -41.402+/-10.044 χ^2/NDF: 71.4/52

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 76.849+/-0.016 χ^2/NDF: 3815403.5/23

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

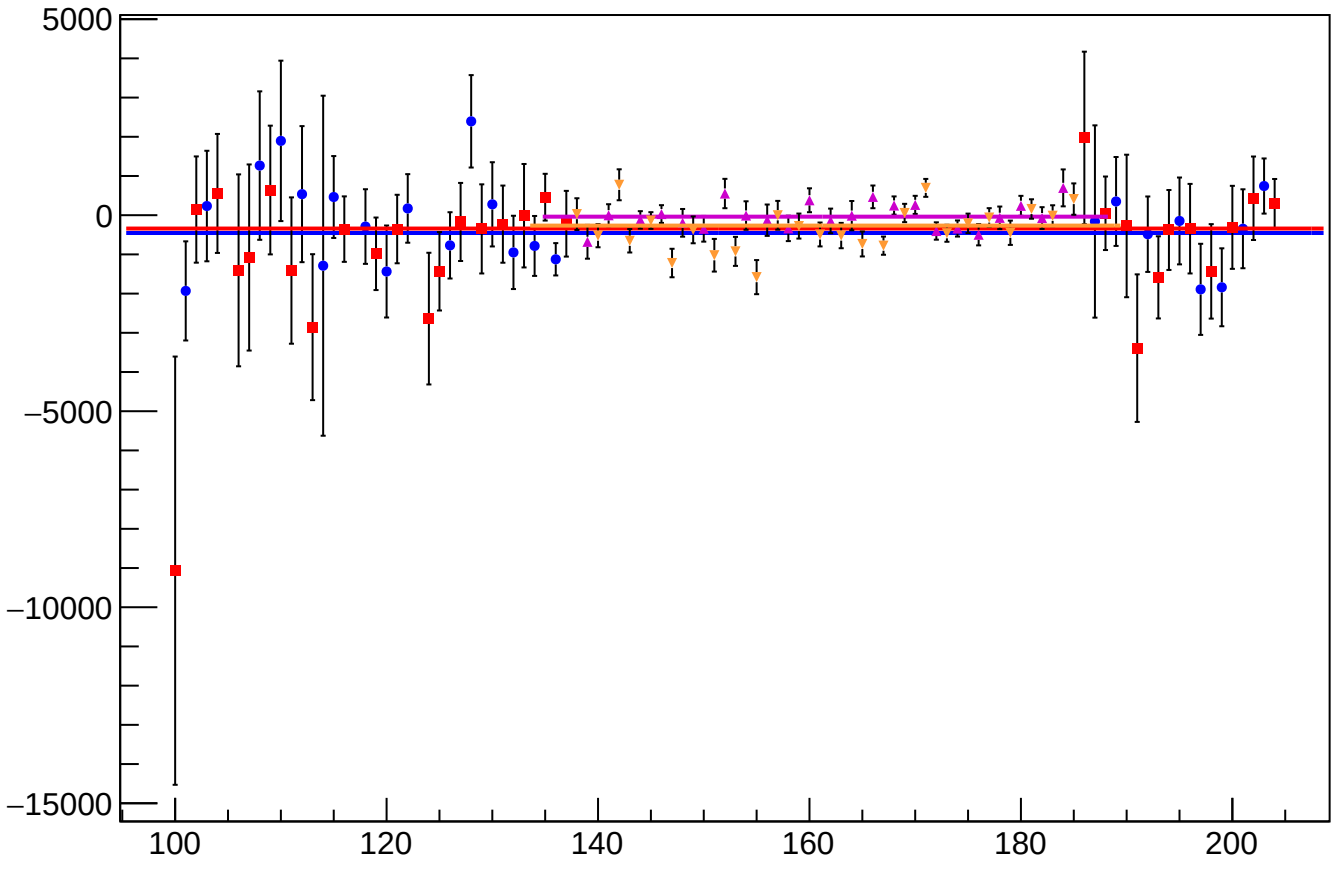
Right Out: 82.433+/-0.016 χ^2/NDF: 4980507.7/29

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 52.385+/-0.007 χ^2/NDF: 6835805.2/48

All: 53.161+/-0.005 χ^2/NDF: 15834799.6/101

- sign 53.982+/-0.007 χ^2/NDF: 8972988.0/52



Right In: -454.284+/-198.374 χ^2/NDF: 22.7/23

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

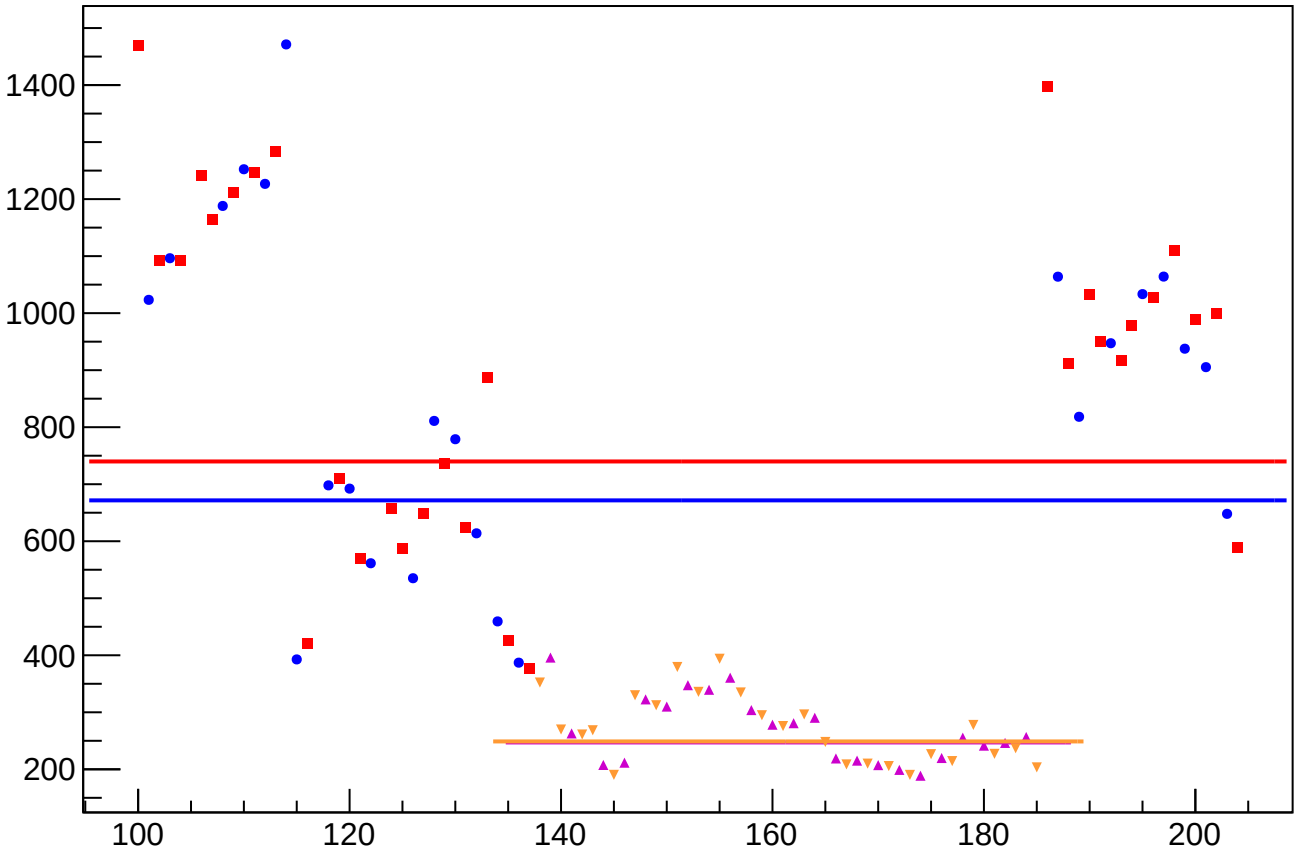
Right Out: -340.663+/-201.198 χ^2/NDF: 18.9/29

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -280.548+/-55.697 χ^2/NDF: 93.3/48

All: -173.161+/-39.753 χ^2/NDF: 148.5/101

- sign -61.649+/-56.757 χ^2/NDF: 47.6/52



Right In: 671.661+/-0.140 χ^2/NDF: 3253966.0/23

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 739.908+/-0.142 χ^2/NDF: 3477043.0/29

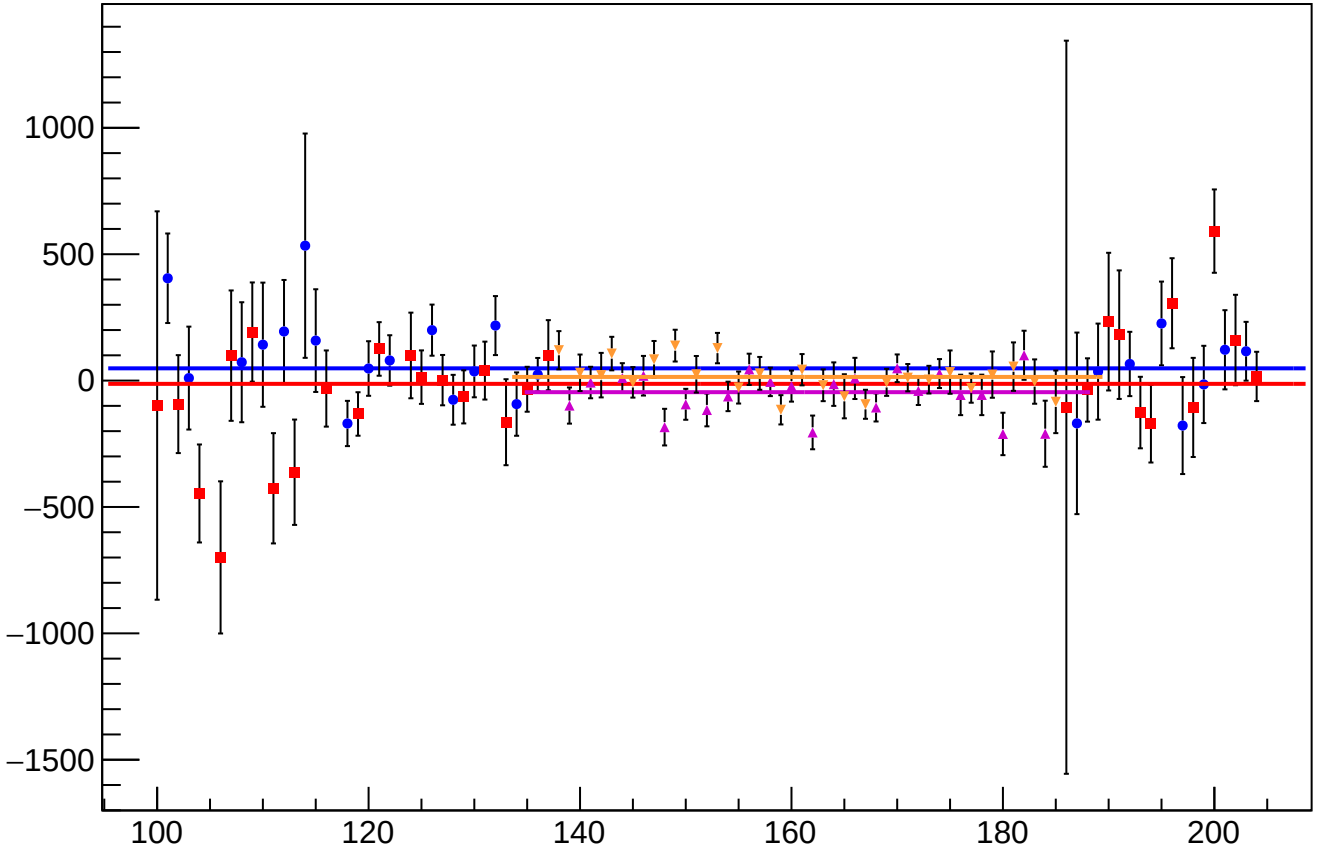
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 282.218+/-0.039 χ^2/NDF: 13285435.9/48

All: 284.233+/-0.028 χ^2/NDF: 29295861.7/10

- sign 286.325+/-0.040 χ^2/NDF: 16005090.6/52

dit_asym_sam_1526_avg_mean vs Slug



Right In: 48.494+/-26.387 χ^2/NDF: 23.3/23

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -12.895+/-26.350 χ^2/NDF: 45.2/29

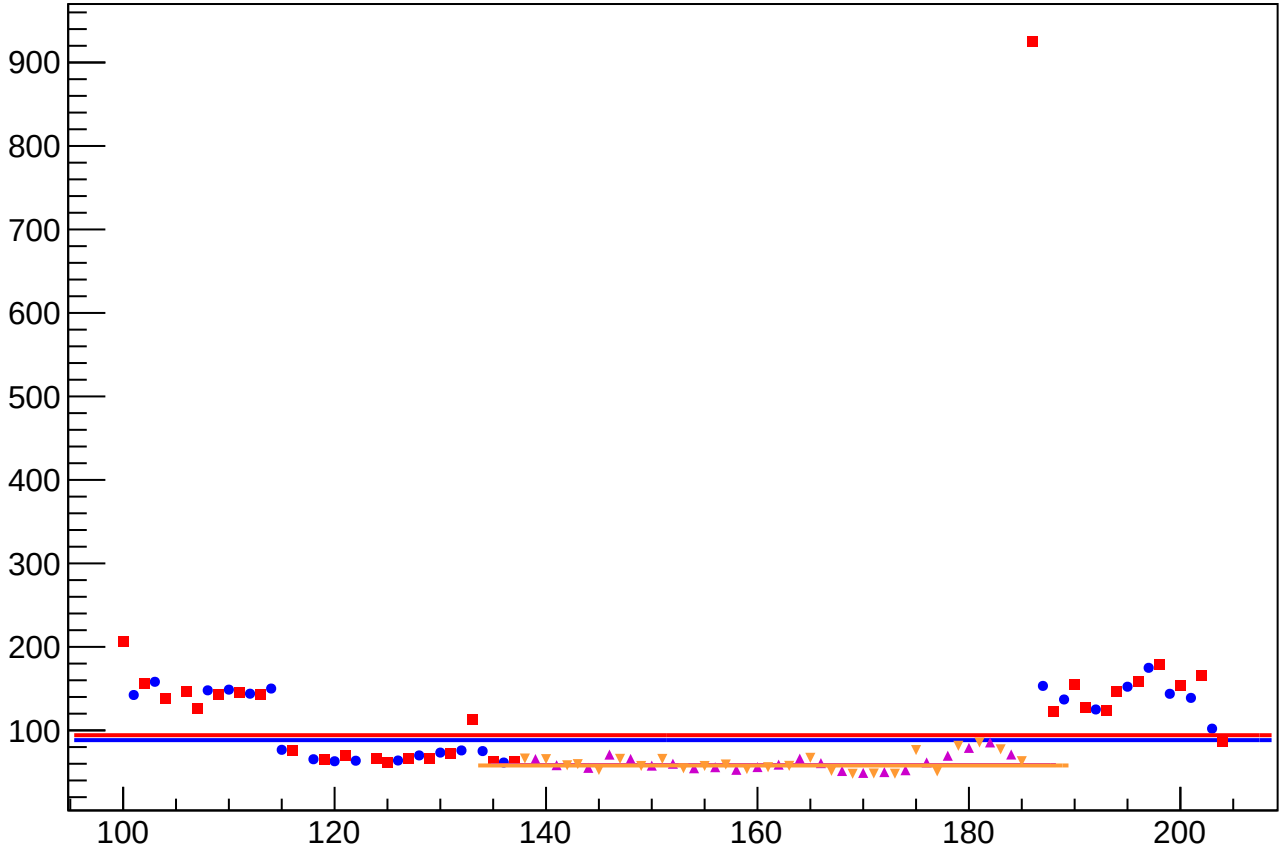
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

\+ sign 21.513+/-11.986 χ^2/NDF: 49.1/48

All: -7.736+/-8.590 χ^2/NDF: 138.6/101

\- sign -38.616+/-12.316 χ^2/NDF: 77.2/52

dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.301+/-0.019 χ^2/NDF: 3399149.1/23

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 94.204+/-0.019 χ^2/NDF: 4560078.3/29

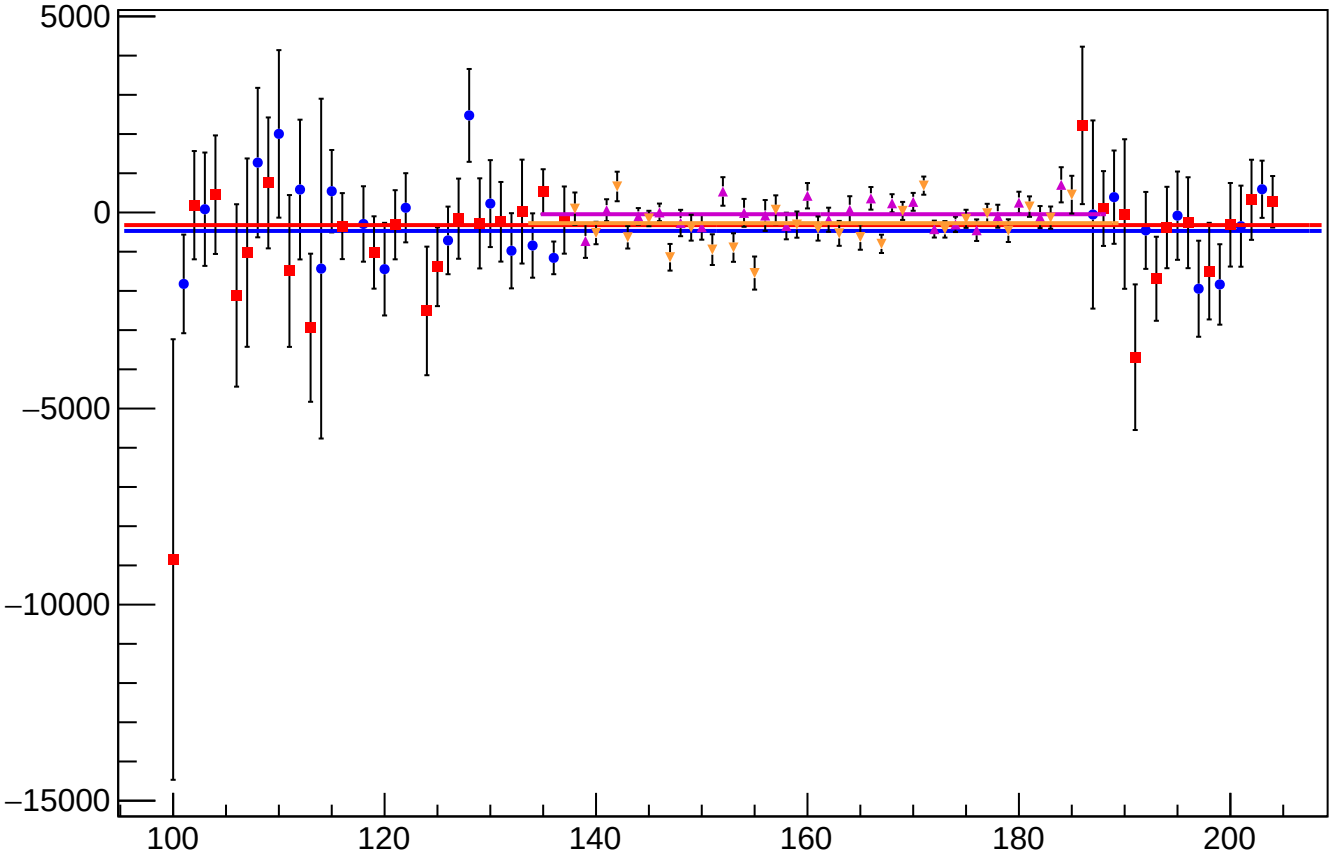
Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 64.225+/-0.008 χ^2/NDF: 6394017.0/48

All: 65.226+/-0.006 χ^2/NDF: 14505934.3/101

- sign 66.283+/-0.009 χ^2/NDF: 8083212.6/52

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -470.742+/-202.807 χ^2/NDF: 21.9/23

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -322.003+/-202.209 χ^2/NDF: 20.8/29

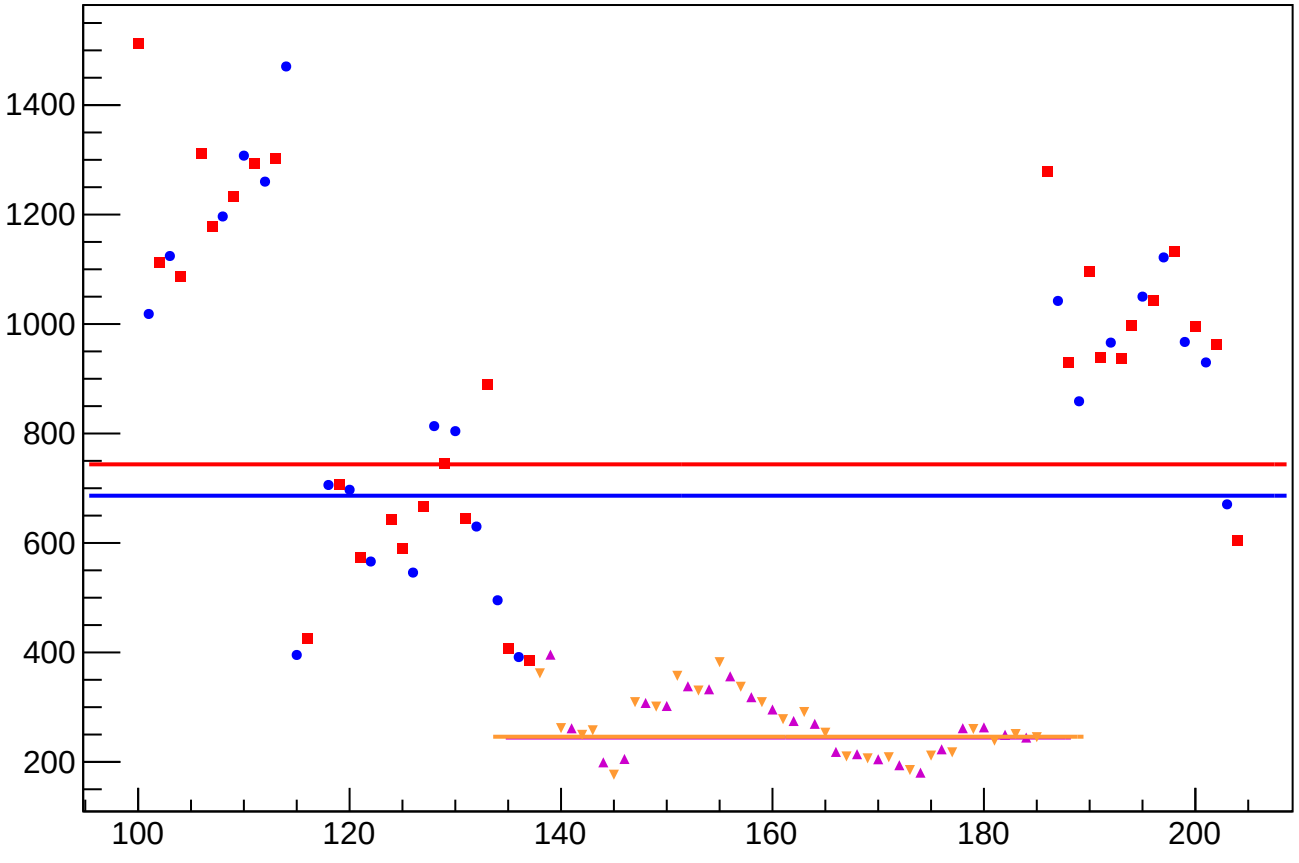
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -287.155+/-55.118 χ^2/NDF: 88.5/48

All: -178.945+/-39.385 χ^2/NDF: 145.4/101

- sign -66.059+/-56.297 χ^2/NDF: 49.0/52

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 686.361+/-0.143 χ^2/NDF: 3287578.0/23

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 743.652+/-0.143 χ^2/NDF: 3613599.8/29

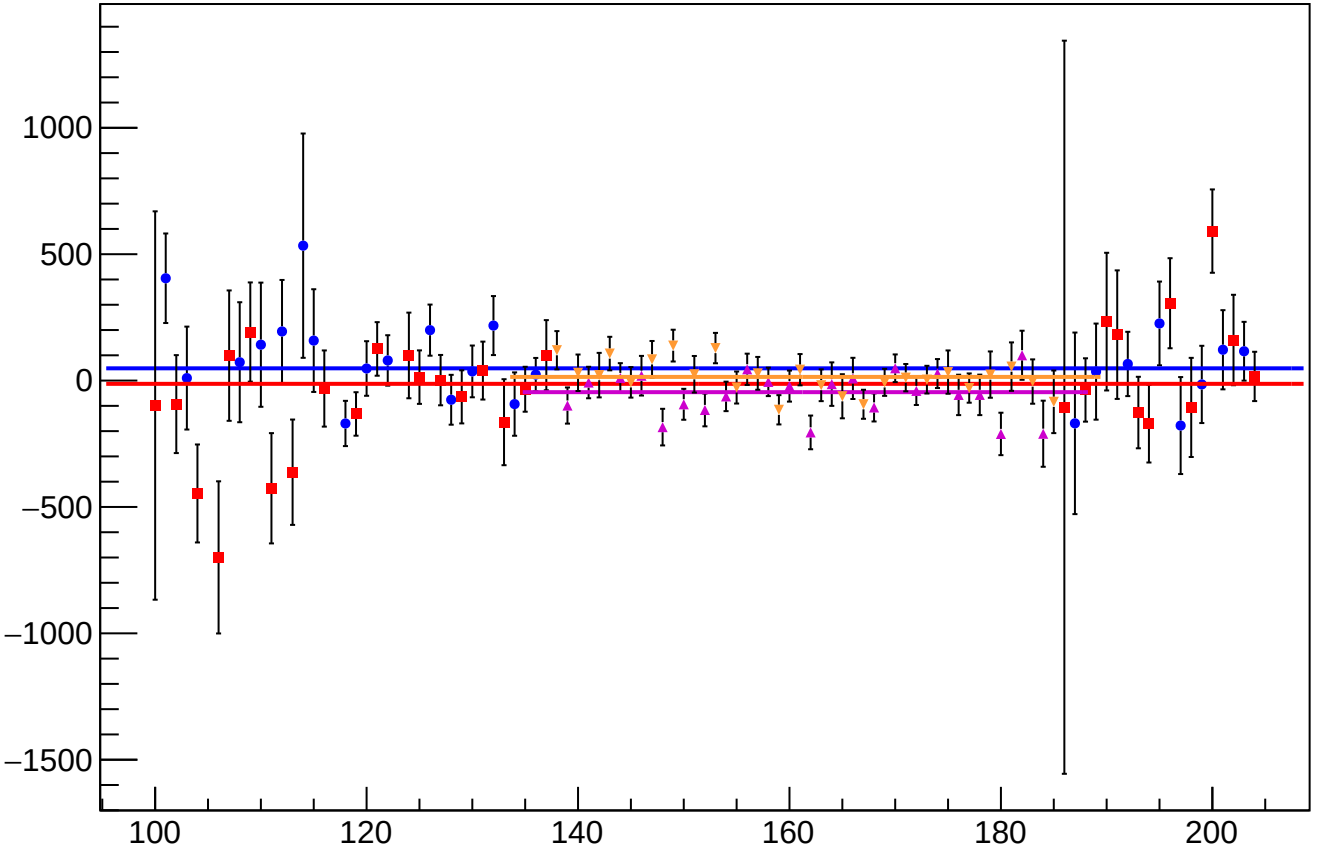
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 278.542+/-0.039 χ^2/NDF: 13700363.7/48

All: 280.794+/-0.028 χ^2/NDF: 30162360.0/10

- sign 283.144+/-0.040 χ^2/NDF: 16455171.8/52

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 48.496+/-26.387 χ^2/NDF: 23.3/23

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -12.895+/-26.350 χ^2/NDF: 45.2/29

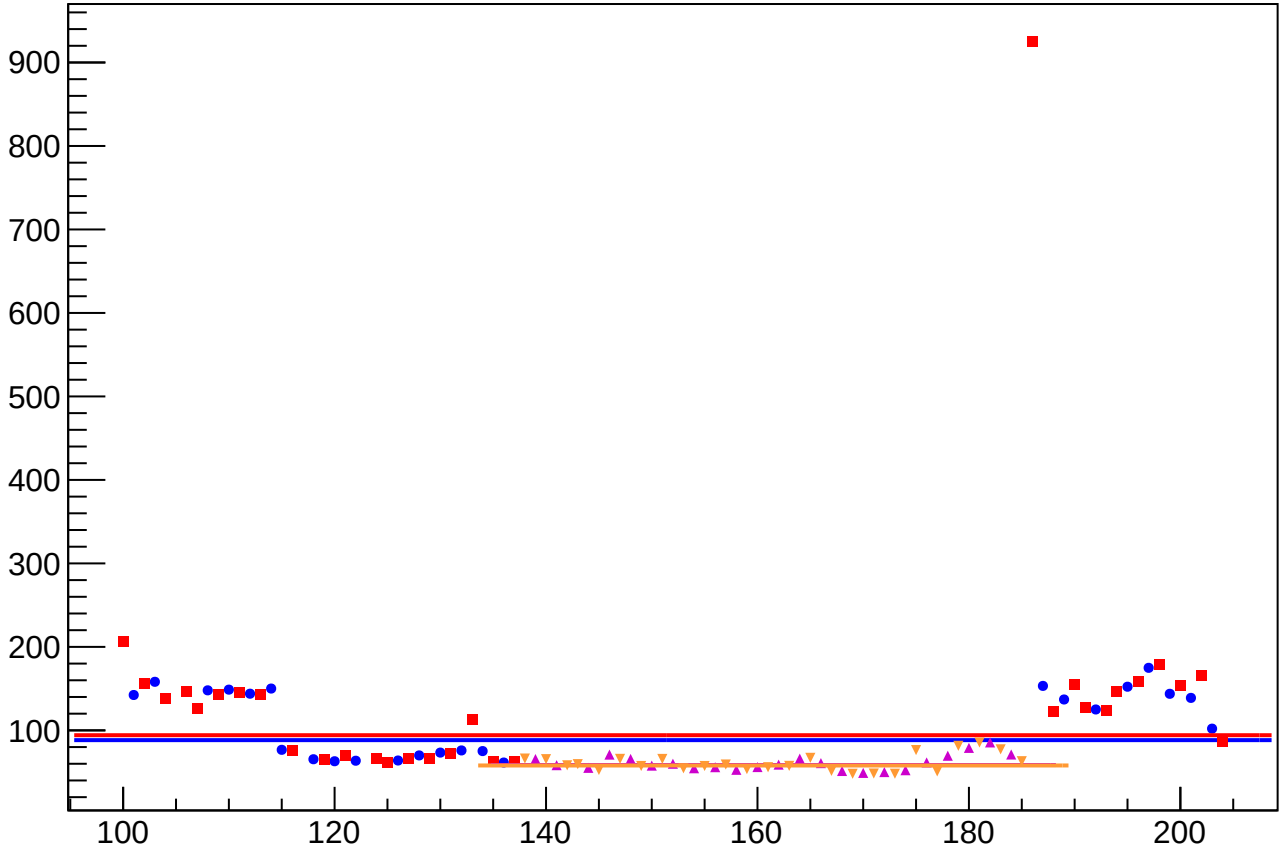
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 21.513+/-11.986 χ^2/NDF: 49.1/48

All: -7.736+/-8.590 χ^2/NDF: 138.6/101

- sign -38.616+/-12.316 χ^2/NDF: 77.2/52

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.300+/-0.019 χ^2/NDF: 3399151.7/23

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

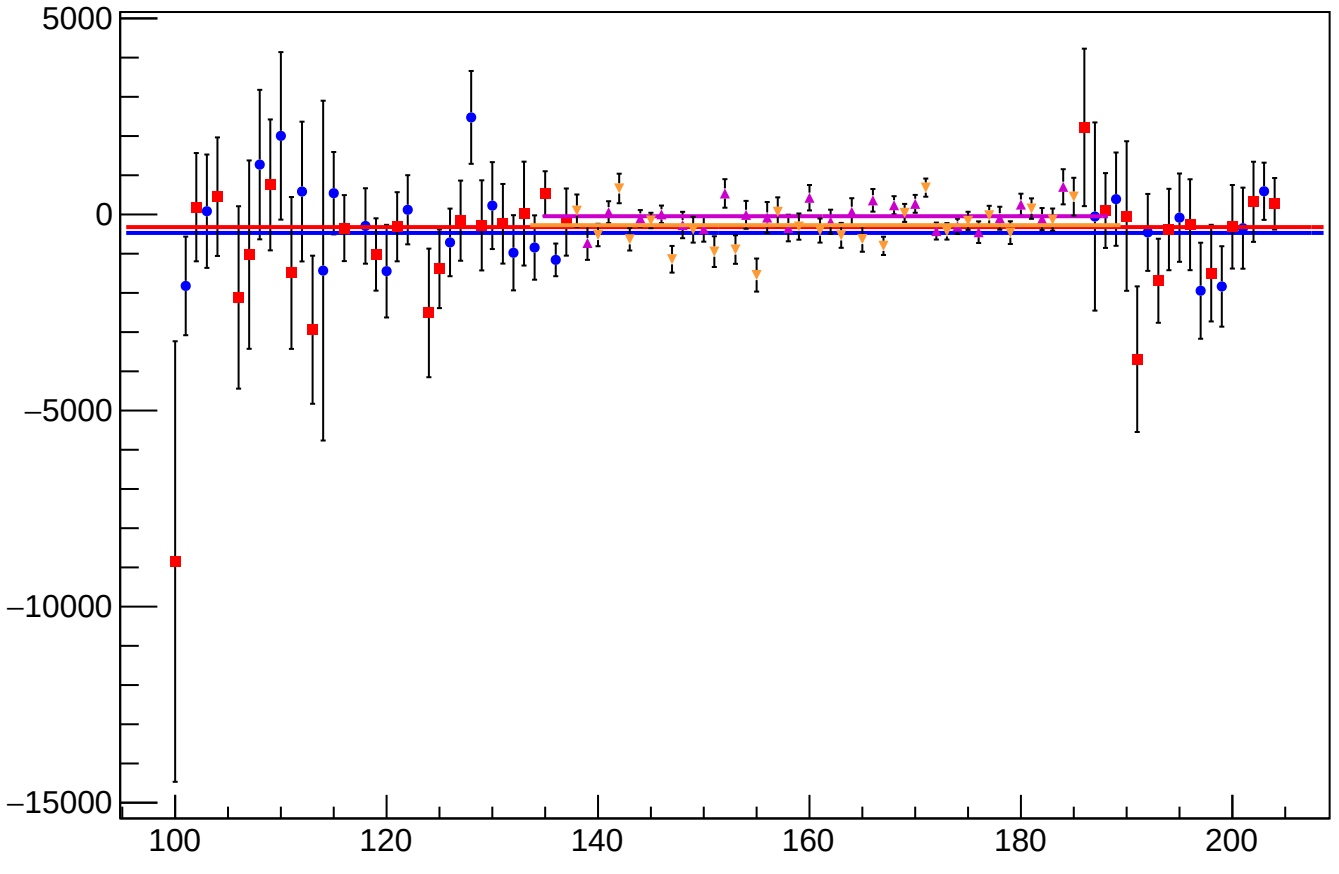
Right Out: 94.204+/-0.019 χ^2/NDF: 4560092.7/29

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 64.225+/-0.008 χ^2/NDF: 6393976.8/48

All: 65.226+/-0.006 χ^2/NDF: 14505837.7/101

- sign 66.284+/-0.009 χ^2/NDF: 8083154.2/52



Right In: -470.740+/-202.807 χ^2/NDF: 21.9/23

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

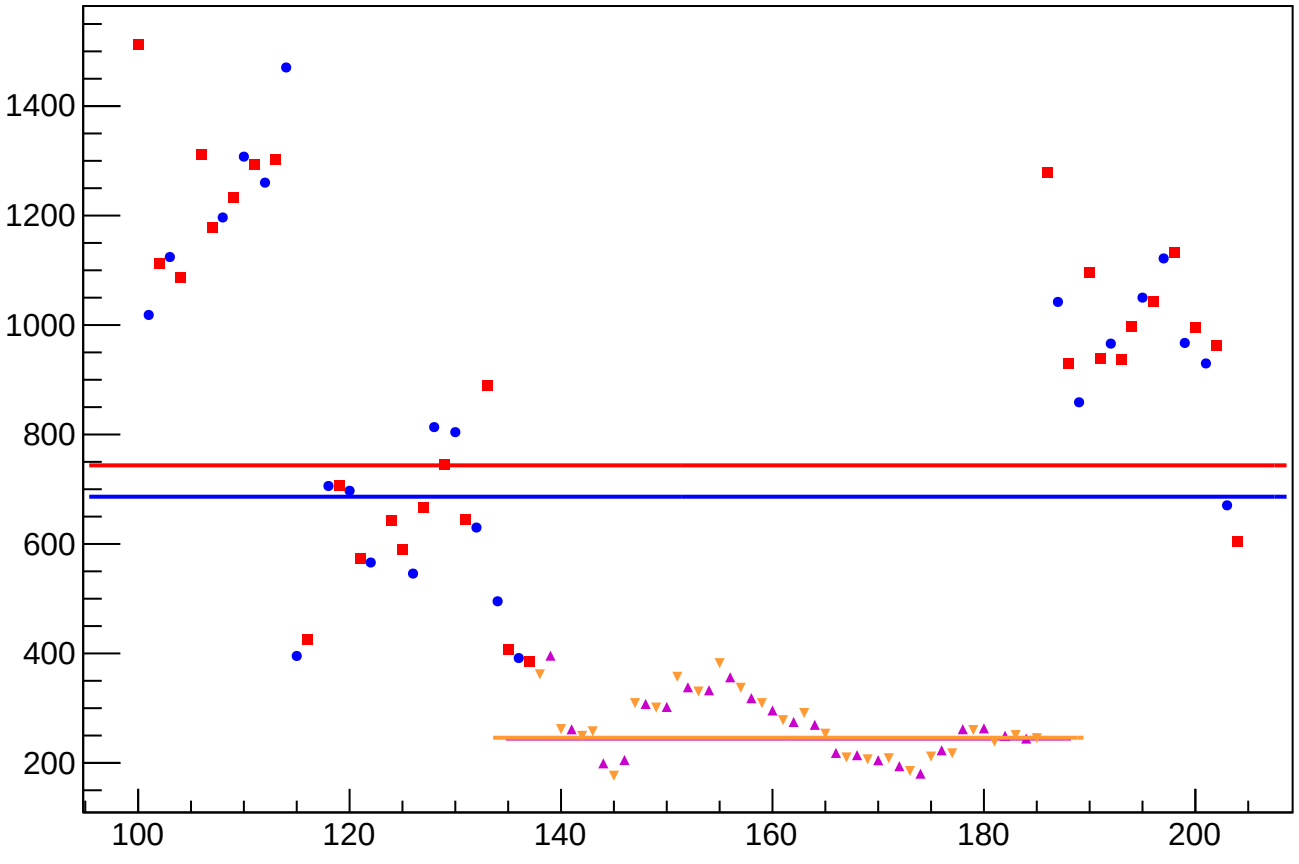
Right Out: -322.004+/-202.209 χ^2/NDF: 20.8/29

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

\+ sign -287.154+/-55.118 χ^2/NDF: 88.5/48

All: -178.945+/-39.385 χ^2/NDF: 145.4/101

\- sign -66.058+/-56.297 χ^2/NDF: 49.0/52



Right In: 686.361+/-0.143 χ^2/NDF: 3287561.9/23

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 743.652+/-0.143 χ^2/NDF: 3613580.7/29

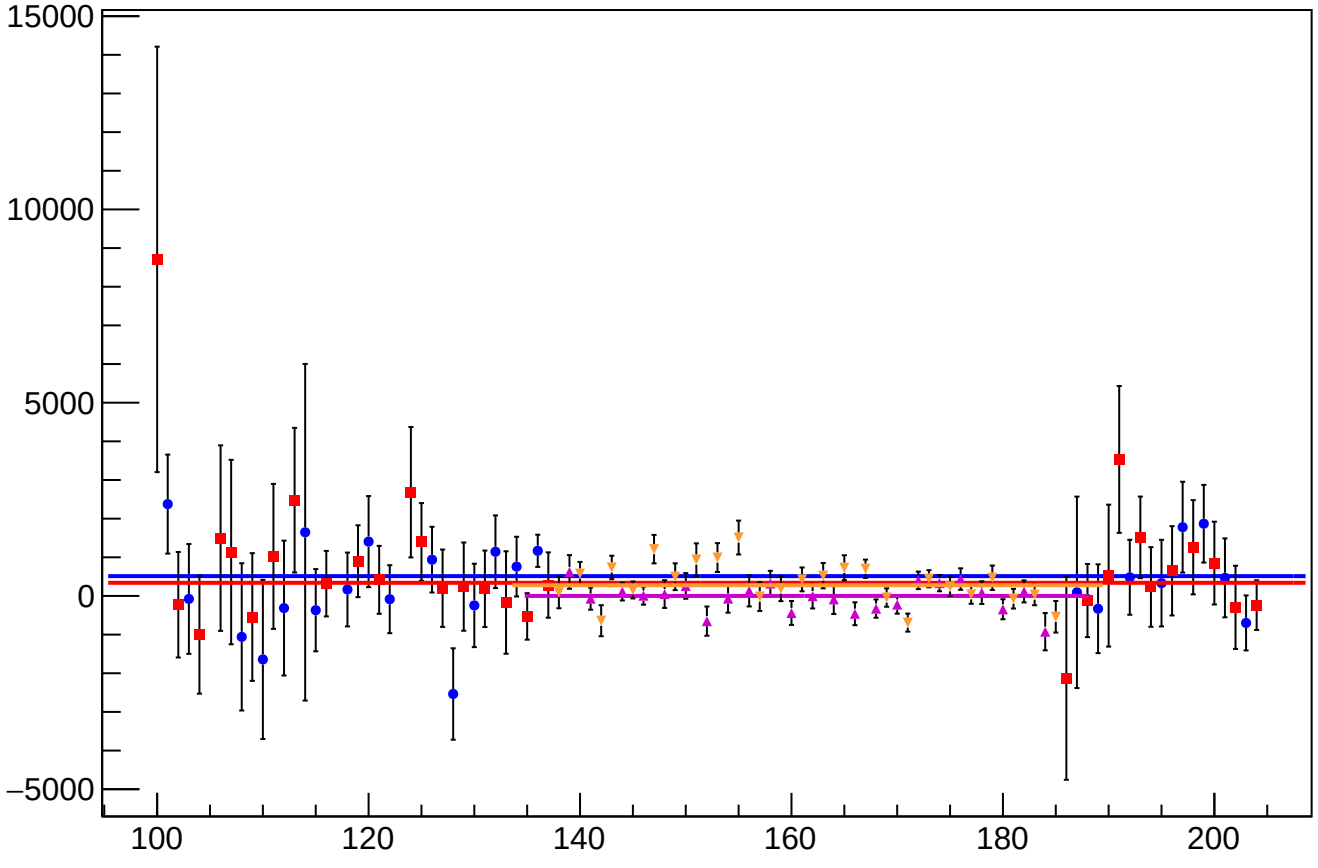
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 278.541+/-0.039 χ^2/NDF: 13700366.4/48

All: 280.794+/-0.028 χ^2/NDF: 30162349.2/10

- sign 283.144+/-0.040 χ^2/NDF: 16455157.7/52

asym_sam_1526_avg_mean vs Slug



Right In: 512.950+/-200.201 χ^2/NDF: 23.1/23

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 340.802+/-203.057 χ^2/NDF: 18.3/29

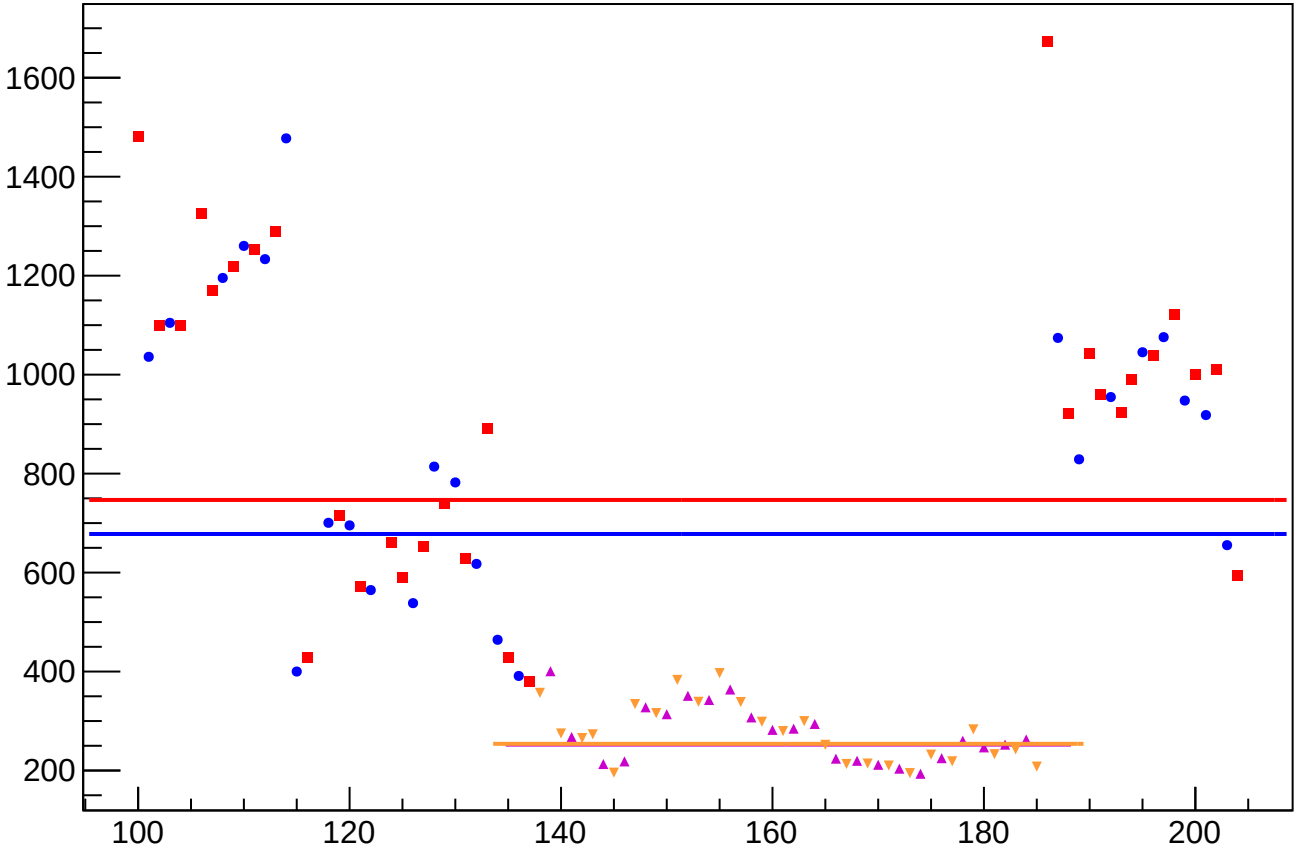
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 296.013+/-56.725 χ^2/NDF: 88.5/48

All: 164.736+/-40.504 χ^2/NDF: 148.4/101

- sign 28.176+/-57.855 χ^2/NDF: 49.0/52

asym_sam_1526_avg_rms vs Slug



Right In: 677.992+/-0.142 χ^2/NDF: 3244410.4/23

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

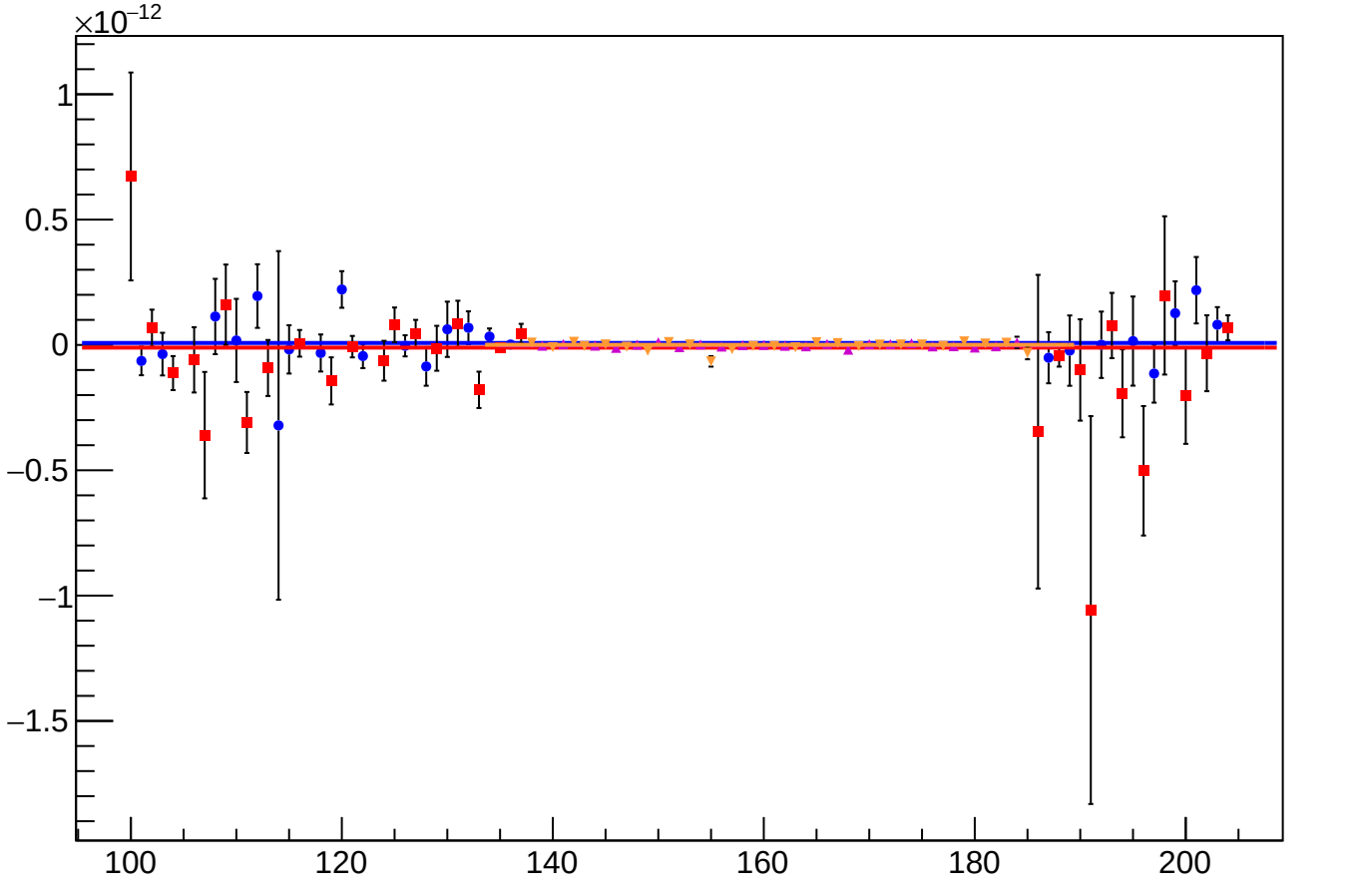
Right Out: 746.777+/-0.144 χ^2/NDF: 3579514.6/29

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 287.995+/-0.040 χ^2/NDF: 13087232.2/48

All: 290.215+/-0.029 χ^2/NDF: 28978470.1/10

- sign 292.523+/-0.041 χ^2/NDF: 15884991.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 24.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

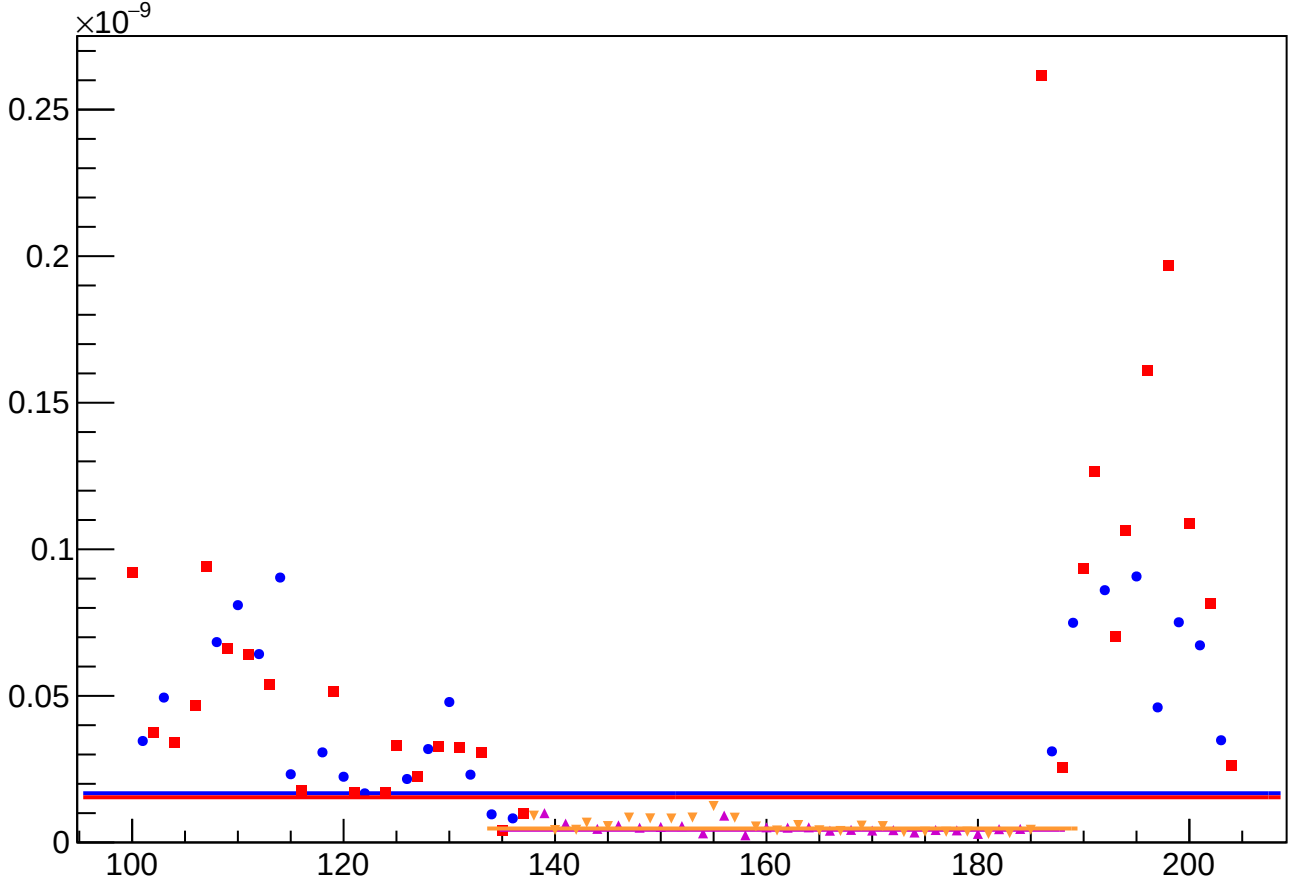
Right Out: -0.000+/-0.000 χ^2/NDF: 41.4/29

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.7/48

All: -0.000+/-0.000 χ^2/NDF: 108.8/101

- sign -0.000+/-0.000 χ^2/NDF: 56.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 4855342.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

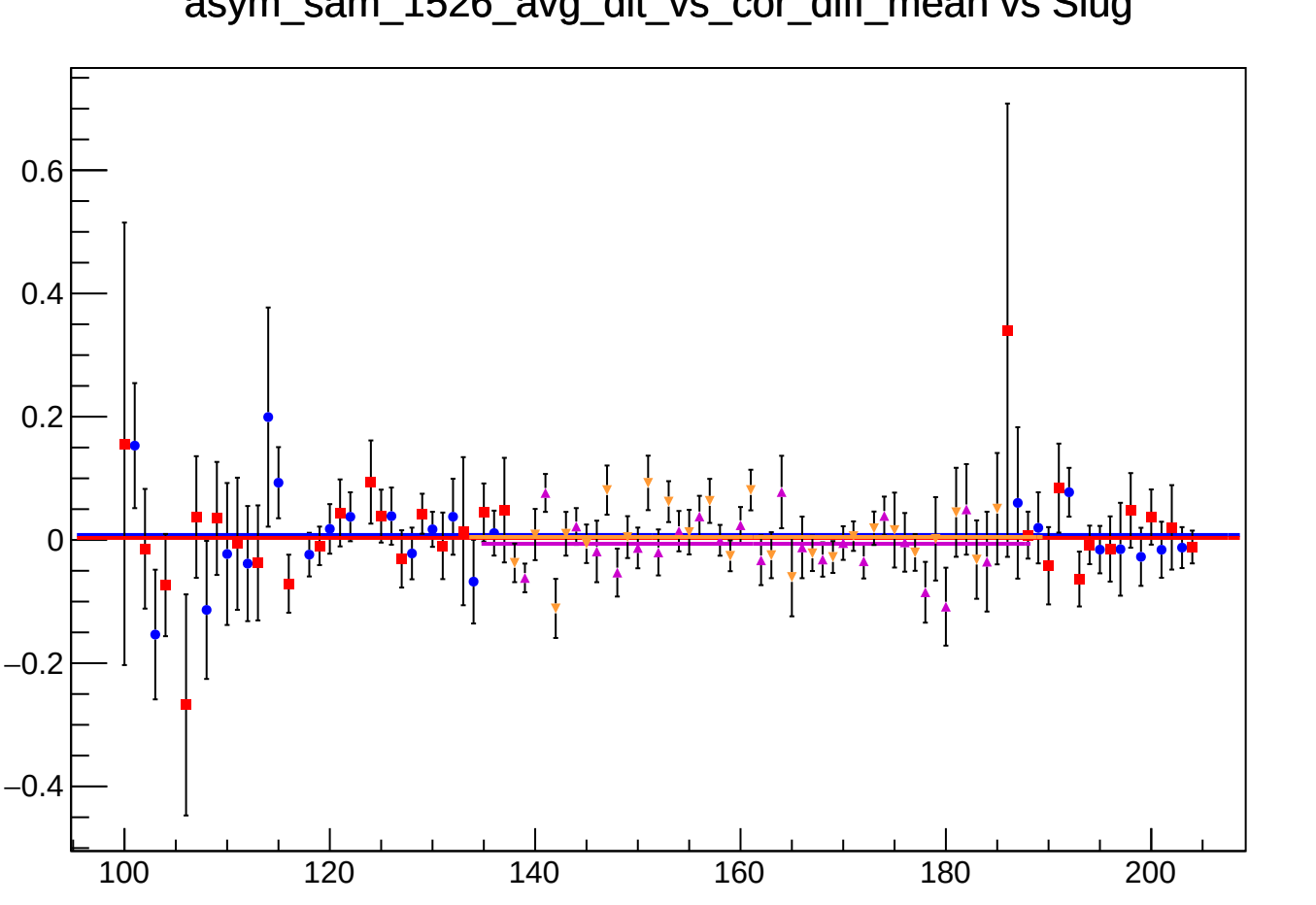
Right Out: 0.000+/-0.000 χ^2/NDF: 7530668.5/29

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9164947.4/48

All: 0.000+/-0.000 χ^2/NDF: 20144848.3/101

- sign 0.000+/-0.000 χ^2/NDF: 10914402.3/52



Right In: 0.008+/-0.010 χ^2/NDF: 18.2/23

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.003+/-0.009 χ^2/NDF: 19.2/29

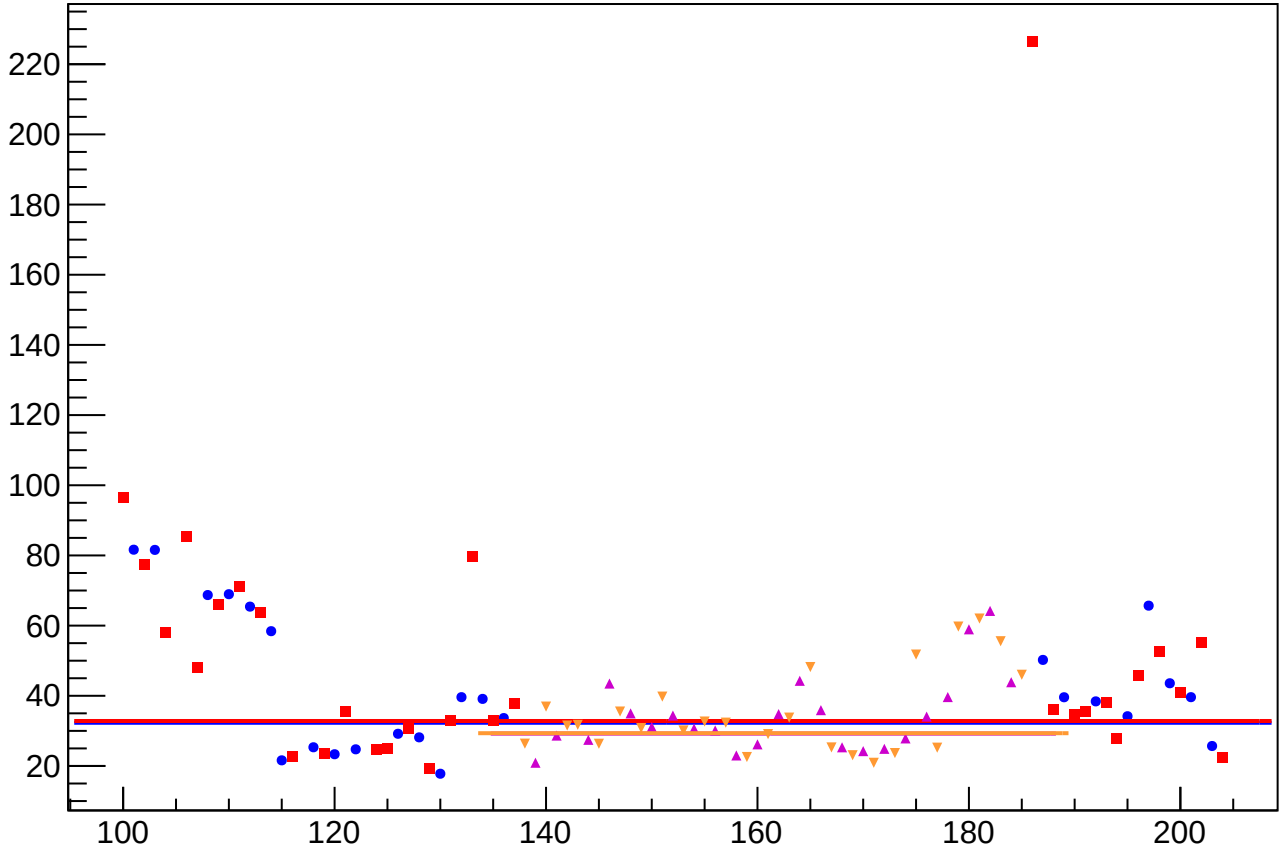
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 52.2/48

All: 0.002+/-0.004 χ^2/NDF: 104.1/101

- sign -0.003+/-0.006 χ^2/NDF: 50.8/52

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 32.313+/-0.007 χ^2/NDF: 3303212.1/23

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

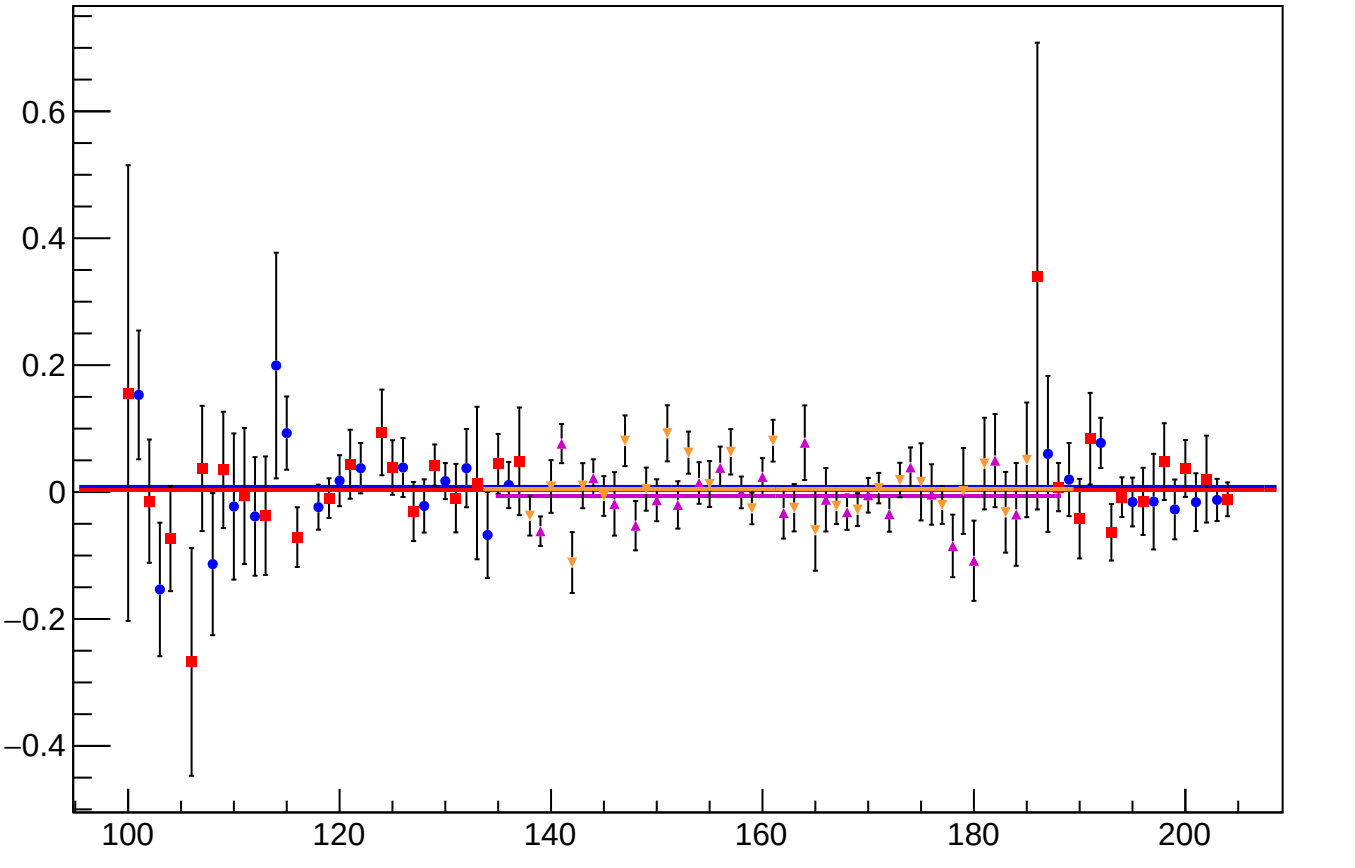
Right Out: 32.817+/-0.007 χ^2/NDF: 4245308.6/29

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 30.338+/-0.004 χ^2/NDF: 6108319.8/48

All: 30.447+/-0.003 χ^2/NDF: 12633523.8/101

- sign 30.554+/-0.004 χ^2/NDF: 6523808.0/52



Right In: 0.008+/-0.010 χ^2/NDF: 18.2/23

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.003+/-0.009 χ^2/NDF: 19.2/29

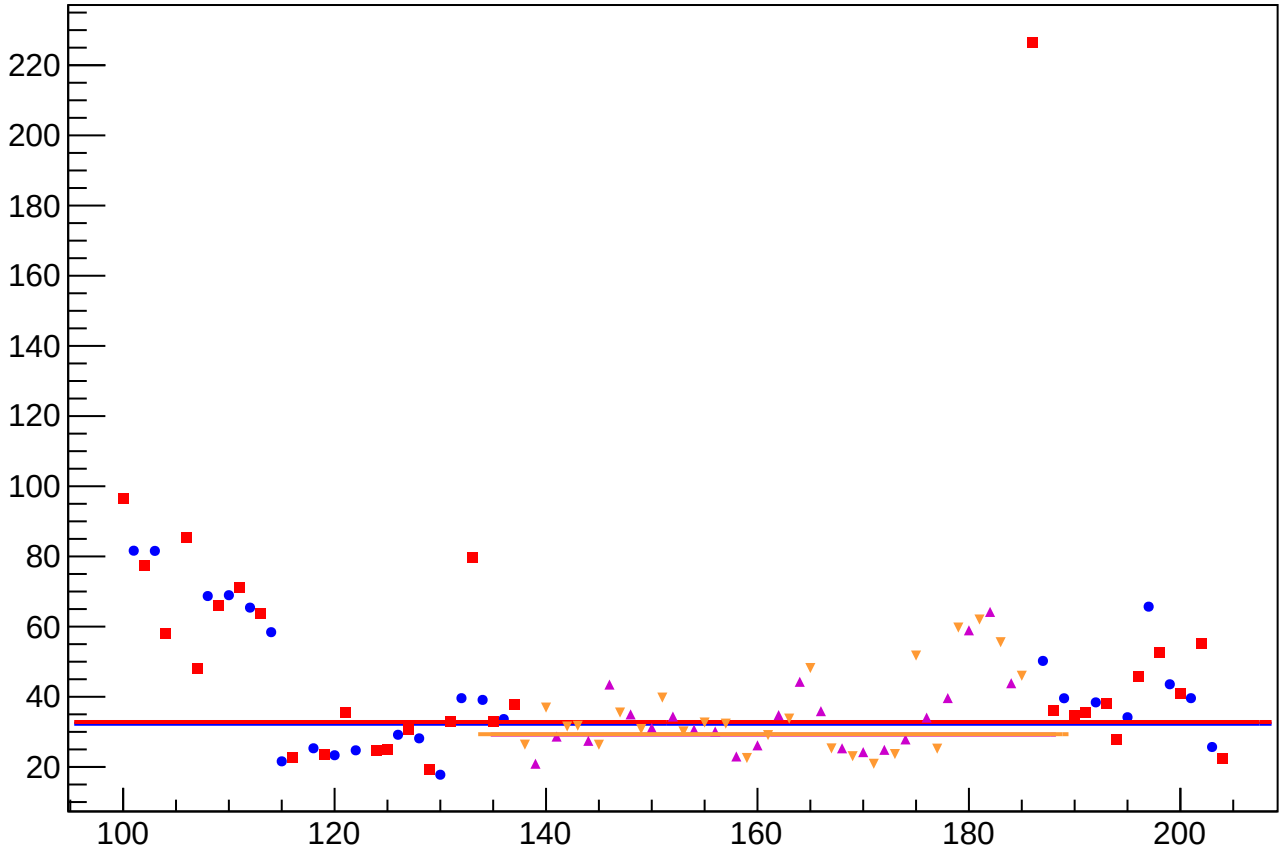
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 52.2/48

All: 0.002+/-0.004 χ^2/NDF: 104.1/101

- sign -0.003+/-0.006 χ^2/NDF: 50.8/52

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.313+/-0.007 χ^2/NDF: 3303212.1/23

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

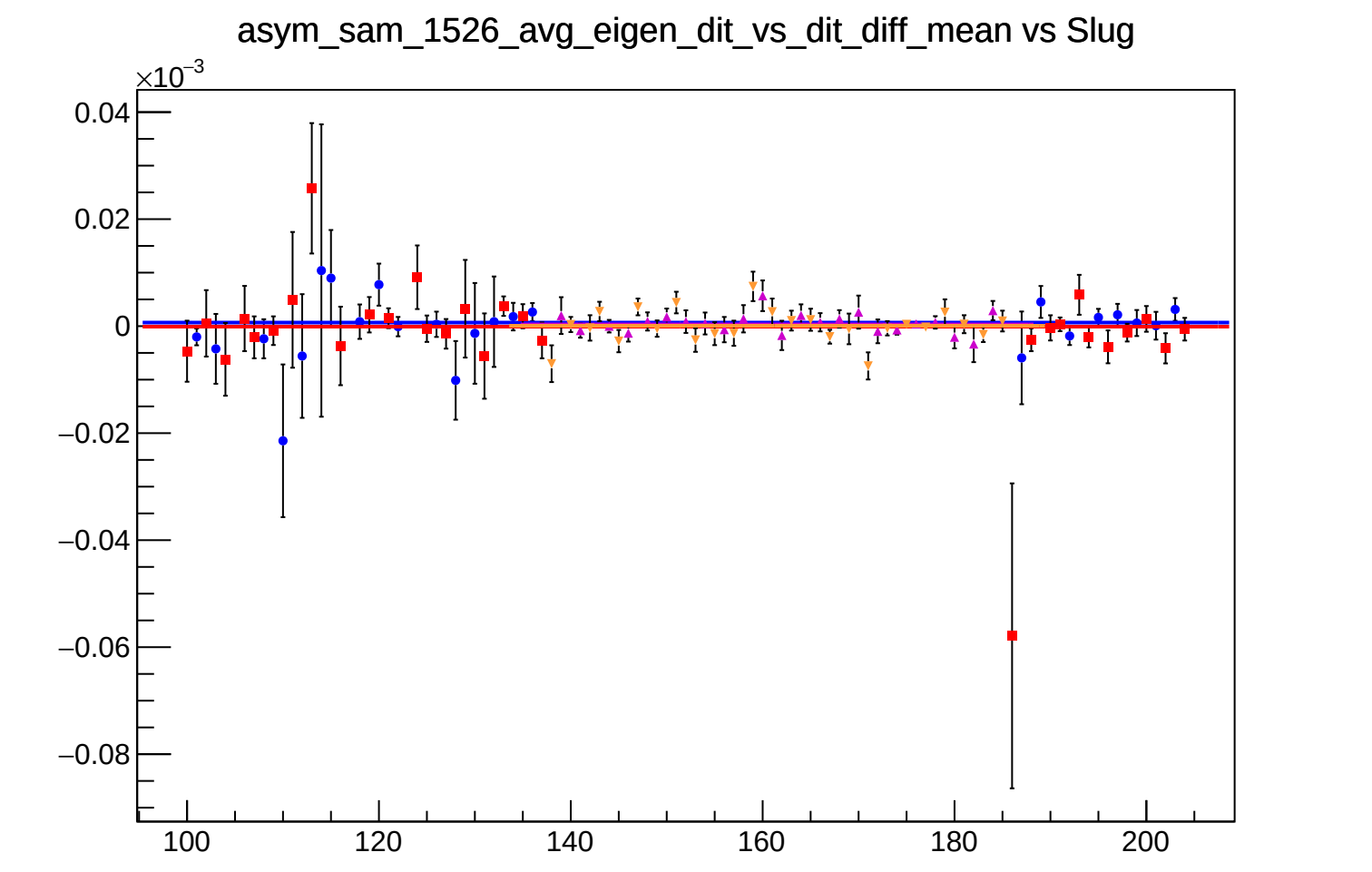
Right Out: 32.817+/-0.007 χ^2/NDF: 4245308.6/29

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 30.338+/-0.004 χ^2/NDF: 6108319.8/48

All: 30.447+/-0.003 χ^2/NDF: 12633523.8/101

- sign 30.554+/-0.004 χ^2/NDF: 6523808.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

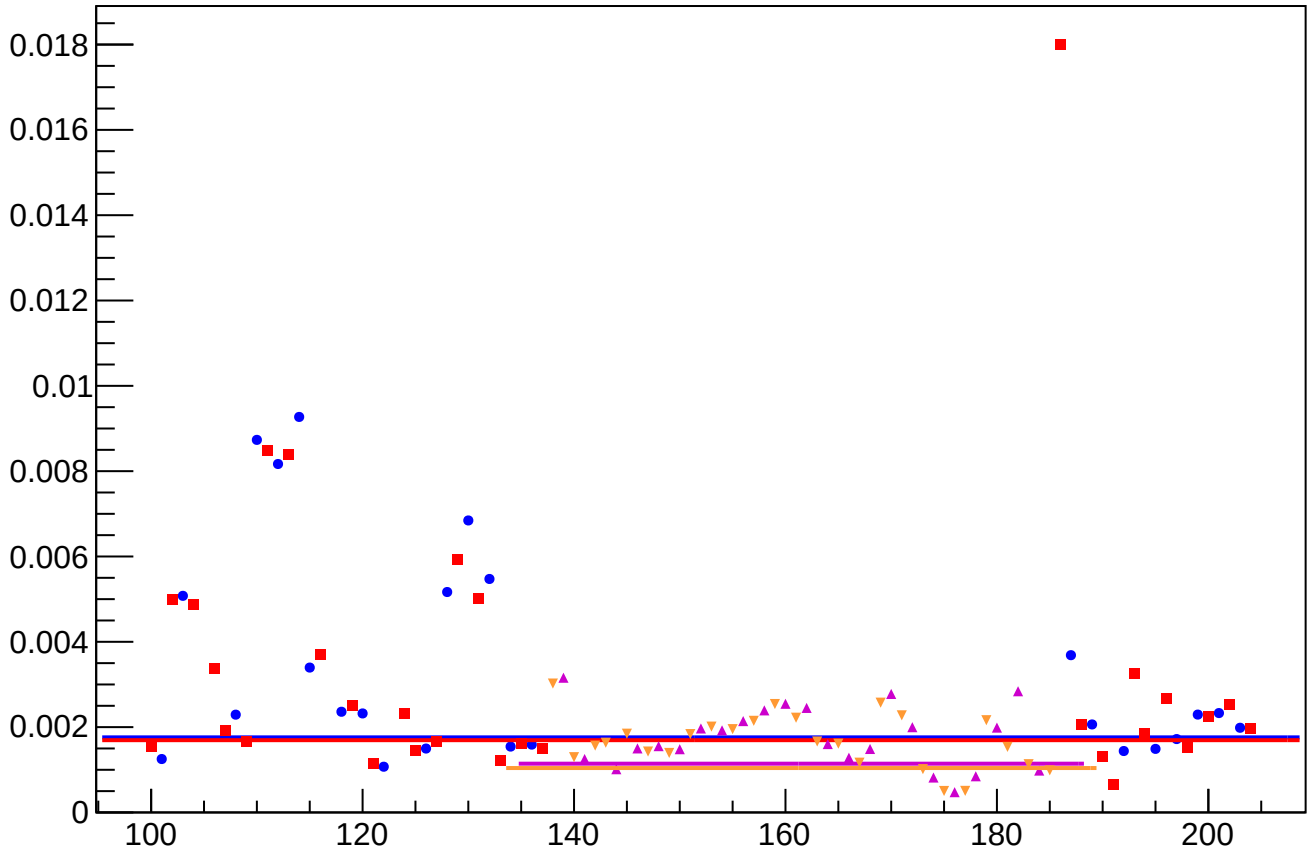
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/29

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.4/48

All: 0.000+/-0.000 χ^2/NDF: 112.8/101

- sign 0.000+/-0.000 χ^2/NDF: 46.4/52



Right In: 0.002+/-0.000 χ^2/NDF: 4399911.5/23

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

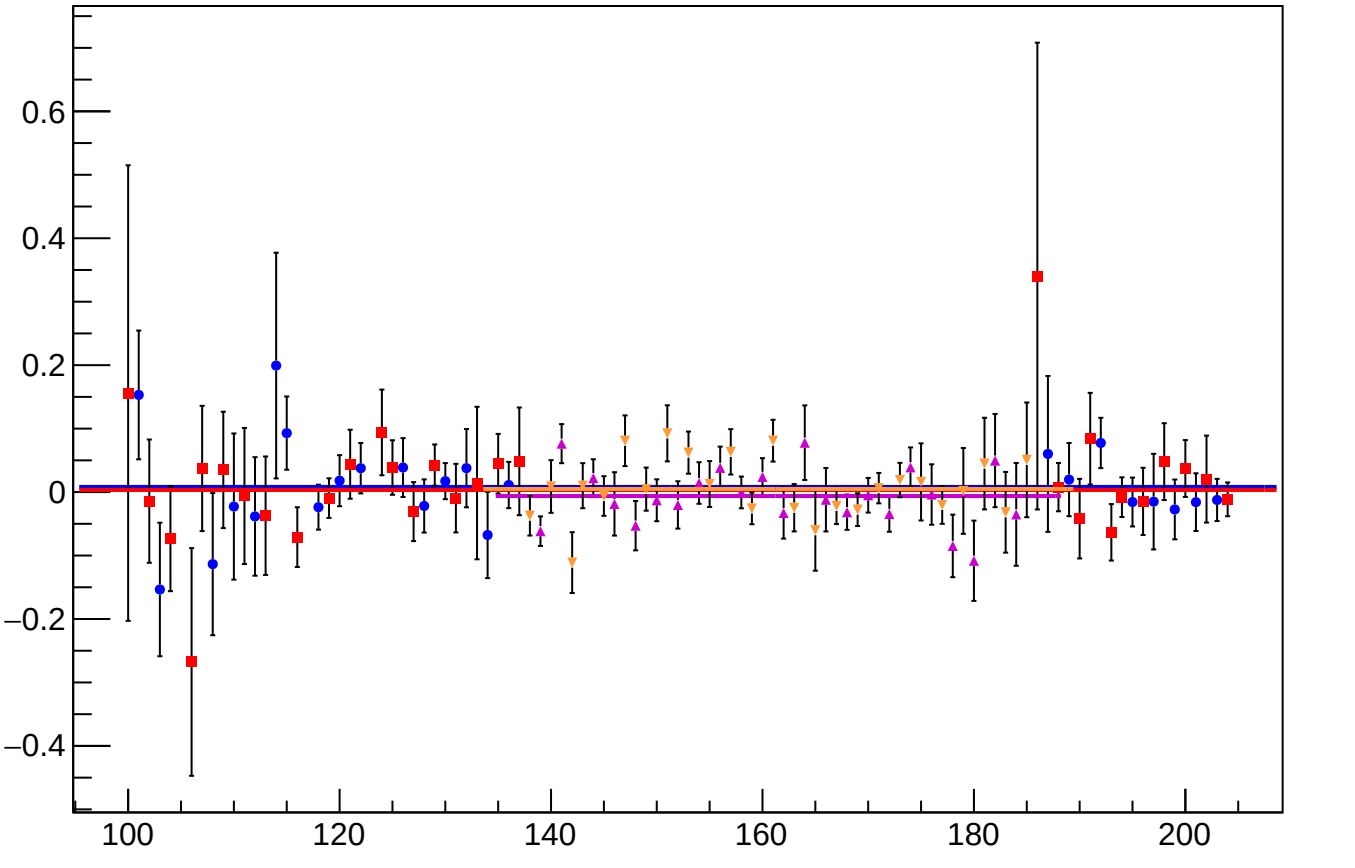
Right Out: 0.002+/-0.000 χ^2/NDF: 6769413.3/29

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 16983418.1/48

All: 0.001+/-0.000 χ^2/NDF: 33968105.1/101

- sign 0.001+/-0.000 χ^2/NDF: 16812583.0/52



Right In: 0.008+/-0.010 χ^2/NDF: 18.2/23

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

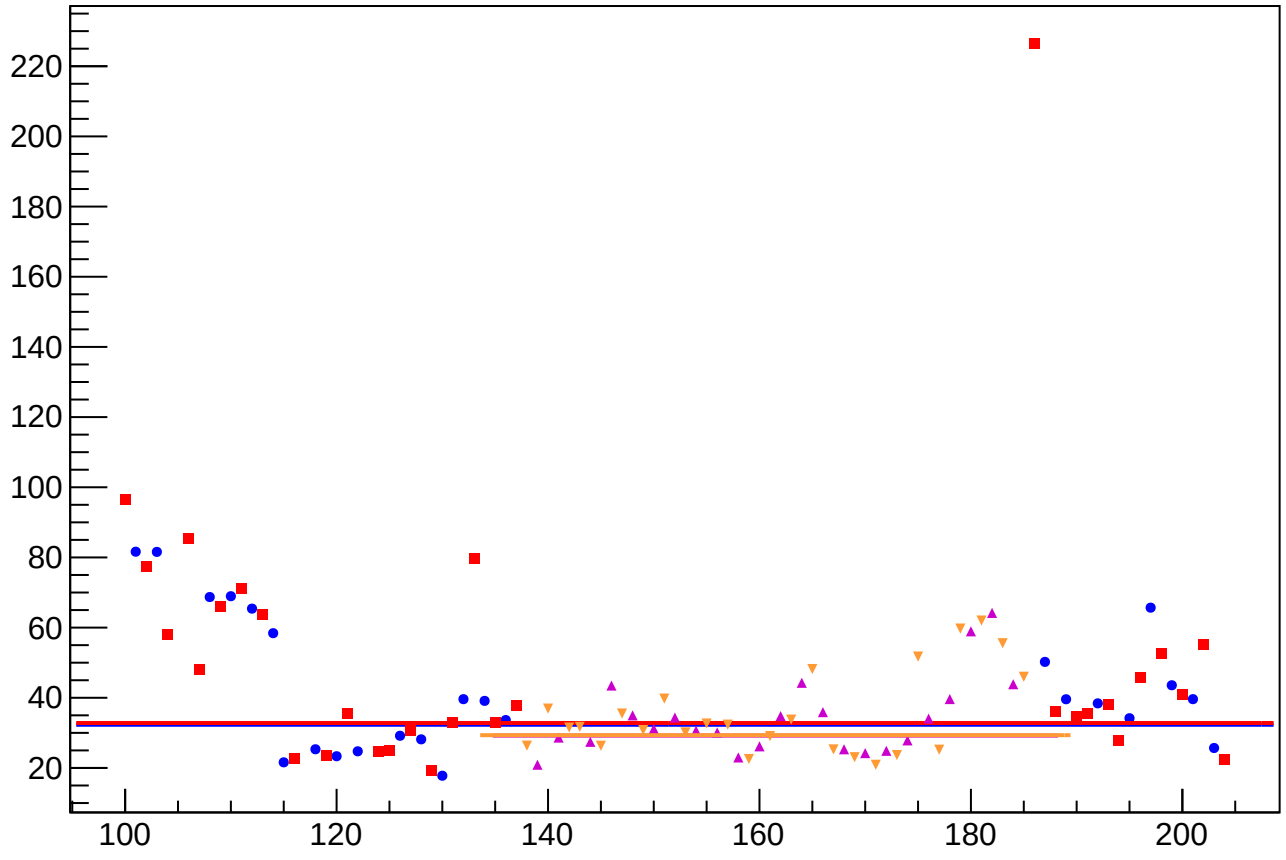
Right Out: 0.003+/-0.009 χ^2/NDF: 19.2/29

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 52.2/48

All: 0.002+/-0.004 χ^2/NDF: 104.1/101

- sign -0.003+/-0.006 χ^2/NDF: 50.8/52



Right In: 32.312+/-0.007 χ^2/NDF: 3303503.5/23

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

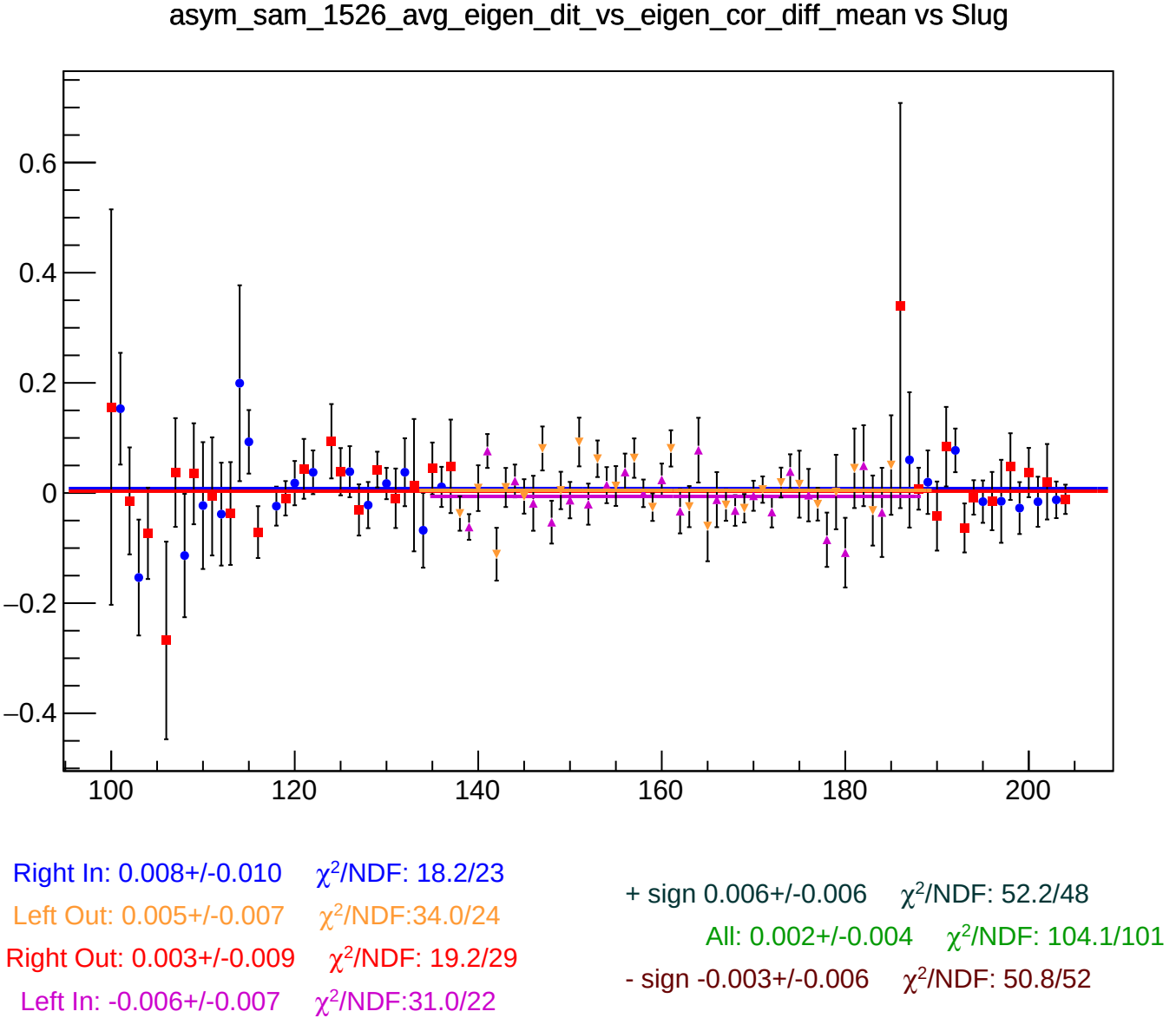
Right Out: 32.816+/-0.007 χ^2/NDF: 4245514.0/29

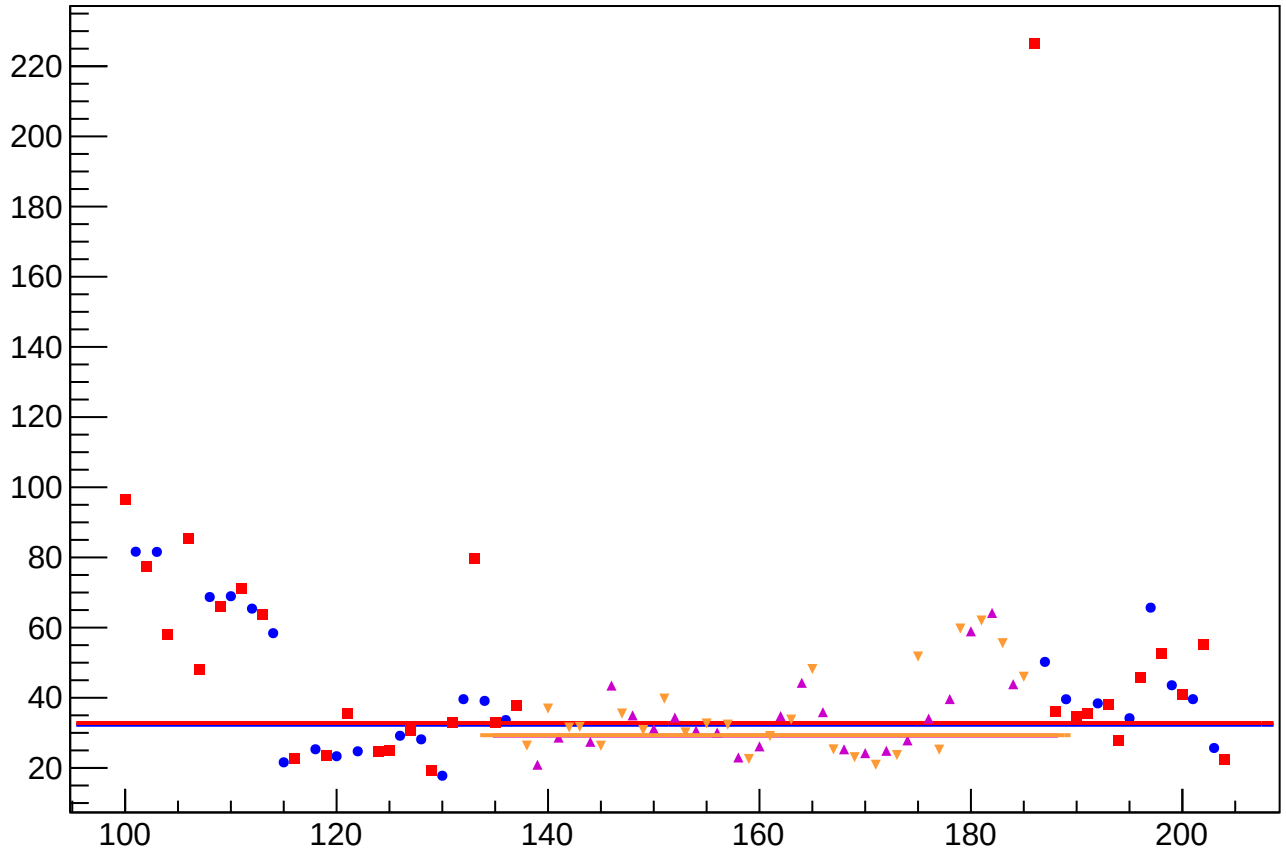
Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 30.338+/-0.004 χ^2/NDF: 6108570.2/48

All: 30.447+/-0.003 χ^2/NDF: 12633843.3/101

- sign 30.554+/-0.004 χ^2/NDF: 6523874.5/52


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
–0.2
–0.4
100
120
140
160
180
200
Right In: 0.008+/-0.010 χ²/NDF: 18.2/23
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: 0.003+/-0.009 χ²/NDF: 19.2/29
Left In: -0.006+/-0.007 χ²/NDF:31.0/22
+ sign 0.006+/-0.006 χ²/NDF: 52.2/48
All: 0.002+/-0.004 χ²/NDF: 104.1/101
- sign -0.003+/-0.006 χ²/NDF: 50.8/52



Right In: 32.312+/-0.007 χ^2/NDF: 3303503.5/23

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

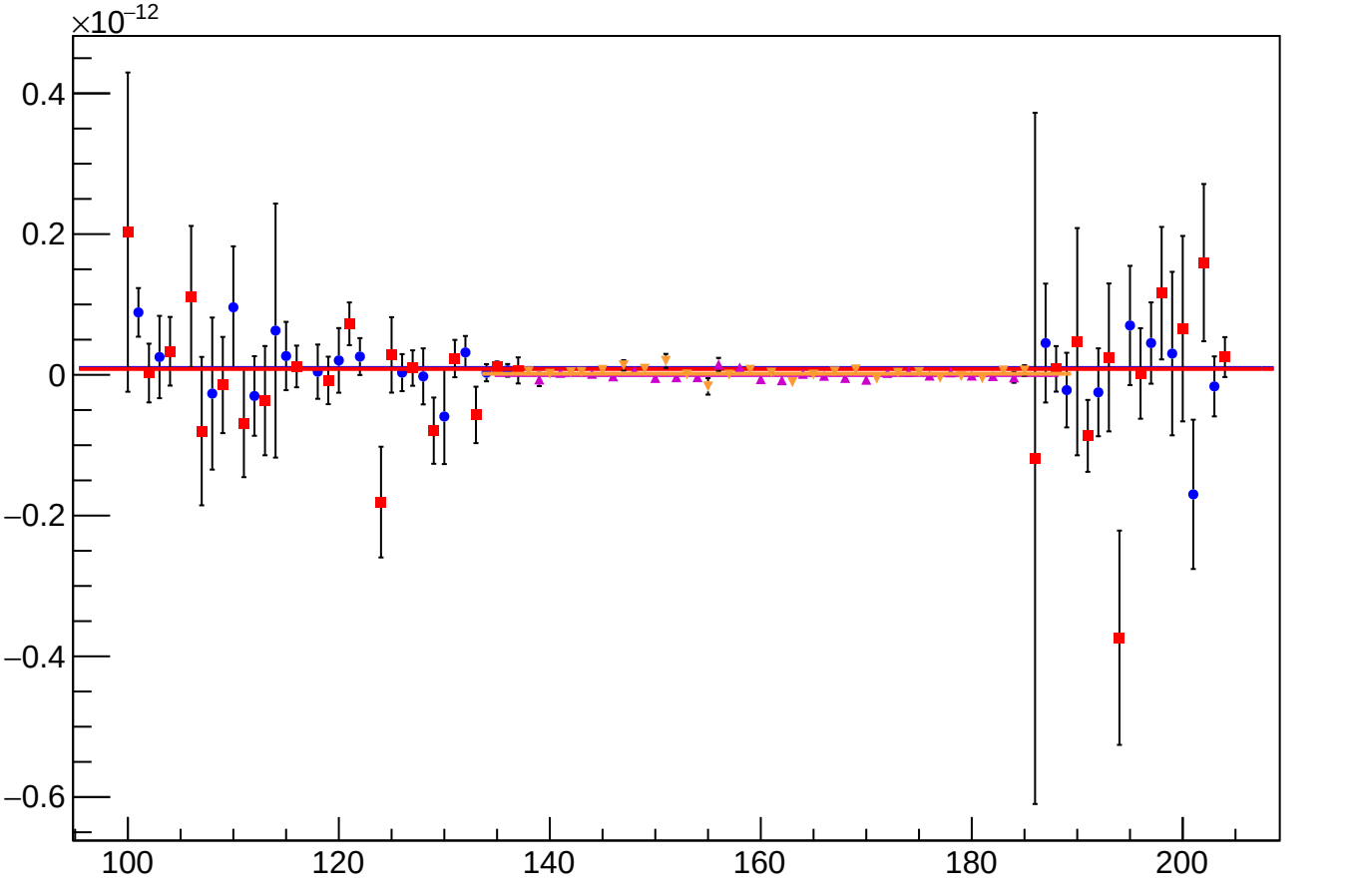
Right Out: 32.816+/-0.007 χ^2/NDF: 4245514.0/29

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 30.338+/-0.004 χ^2/NDF: 6108570.2/48

All: 30.447+/-0.003 χ^2/NDF: 12633843.3/101

- sign 30.554+/-0.004 χ^2/NDF: 6523874.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

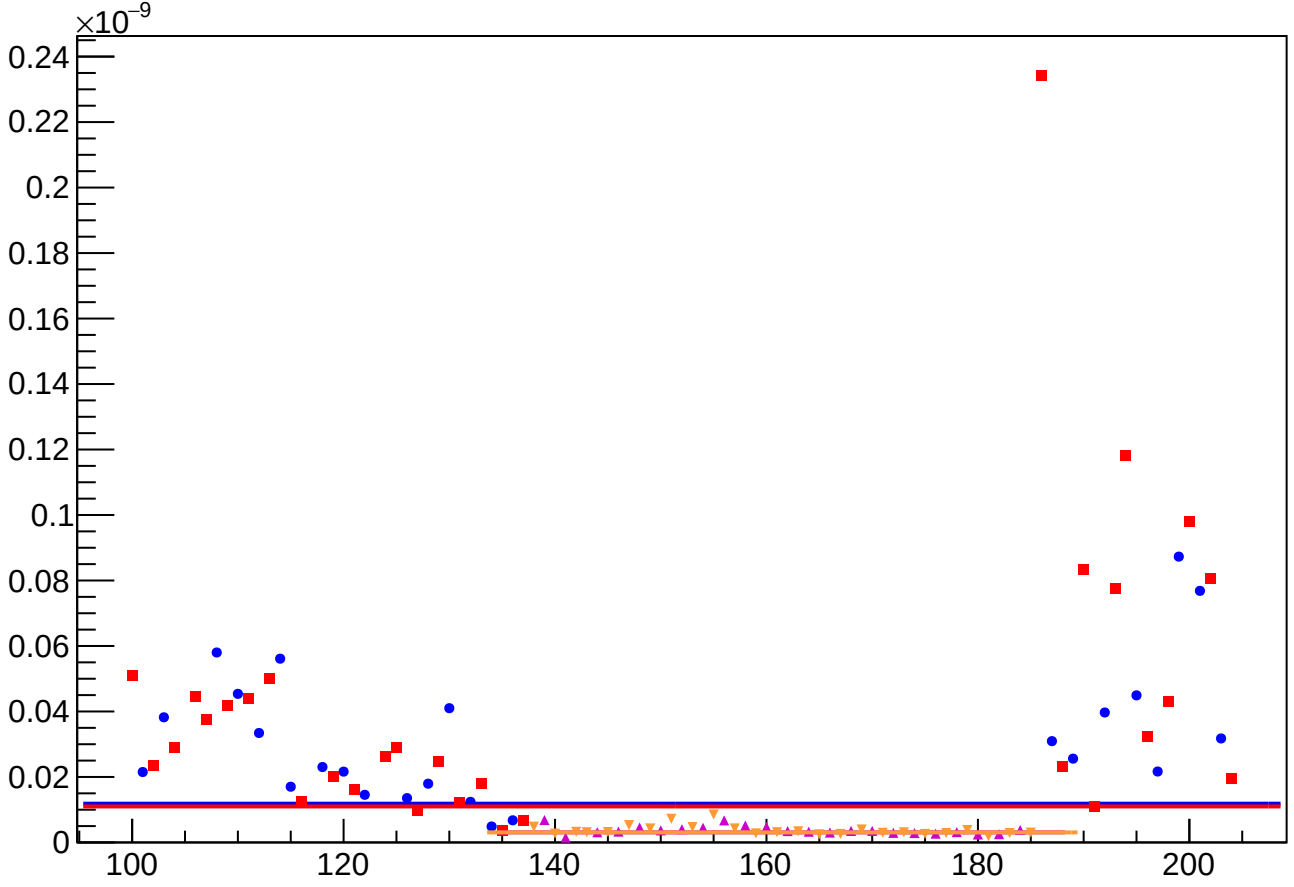
Right Out: 0.000+/-0.000 χ^2/NDF: 35.0/29

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.0/48

All: 0.000+/-0.000 χ^2/NDF: 109.6/101

- sign 0.000+/-0.000 χ^2/NDF: 55.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 6682915.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9901809.4/29

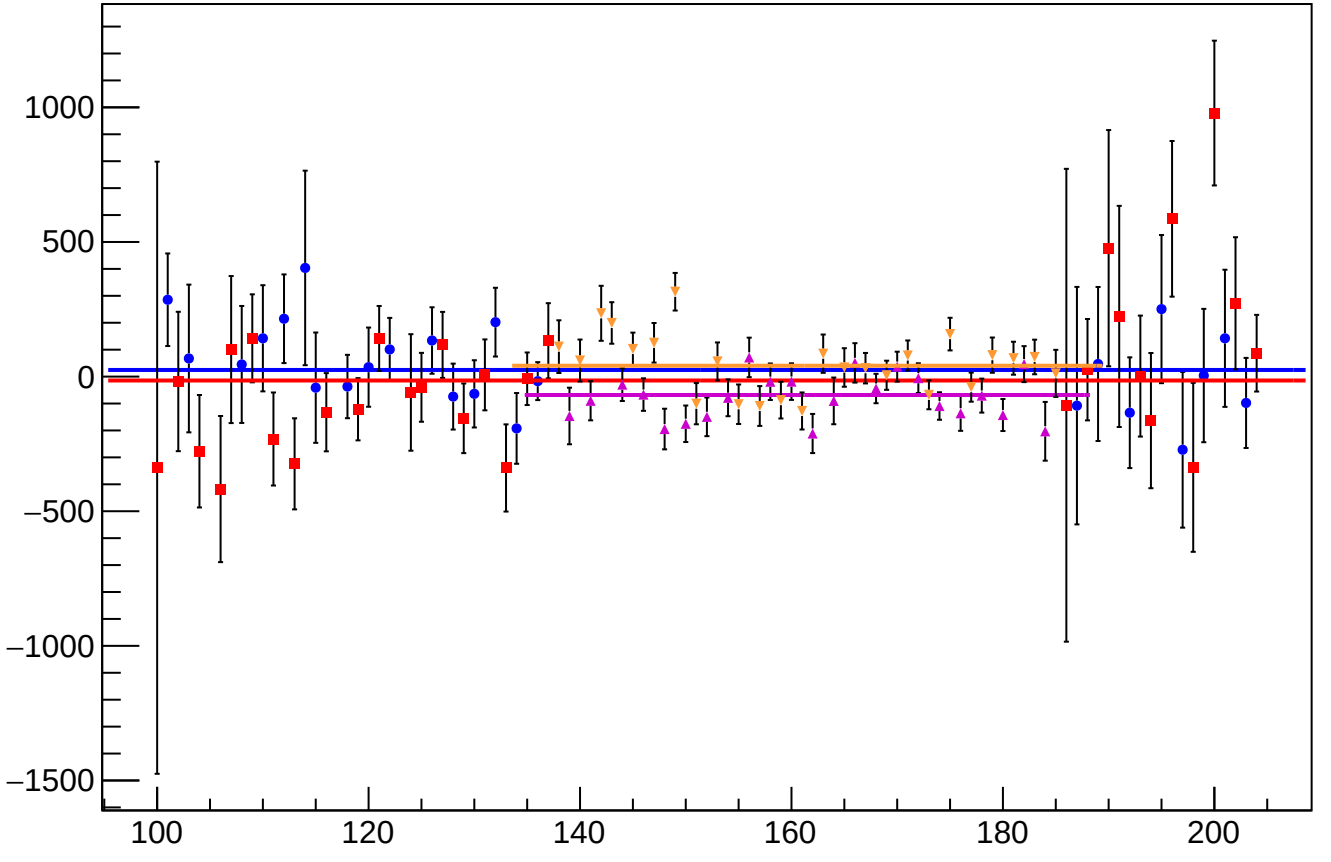
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13161243.8/48

All: 0.000+/-0.000 χ^2/NDF: 29086781.9/101

- sign 0.000+/-0.000 χ^2/NDF: 15925462.8/52

reg_asym_sam_3726_avg_mean vs Slug



Right In: 24.684+/-31.547 χ^2/NDF: 16.1/23

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -14.456+/-31.599 χ^2/NDF: 43.6/29

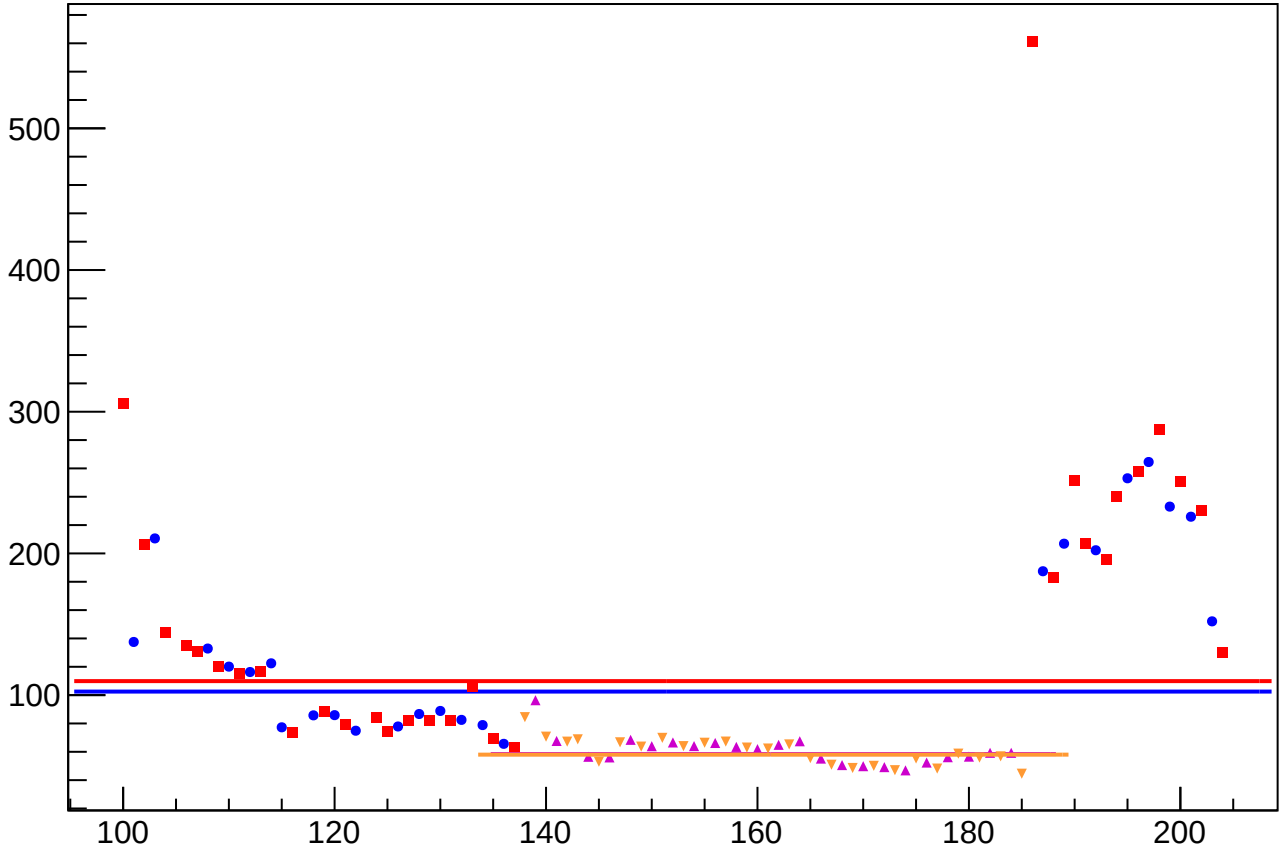
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 37.948+/-12.335 χ^2/NDF: 75.7/48

All: -9.435+/-8.848 χ^2/NDF: 183.8/101

- sign -59.643+/-12.697 χ^2/NDF: 77.8/52

reg_asym_sam_3726_avg_rms vs Slug



Right In: 102.505+/-0.022 χ^2/NDF: 4713913.5/23

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

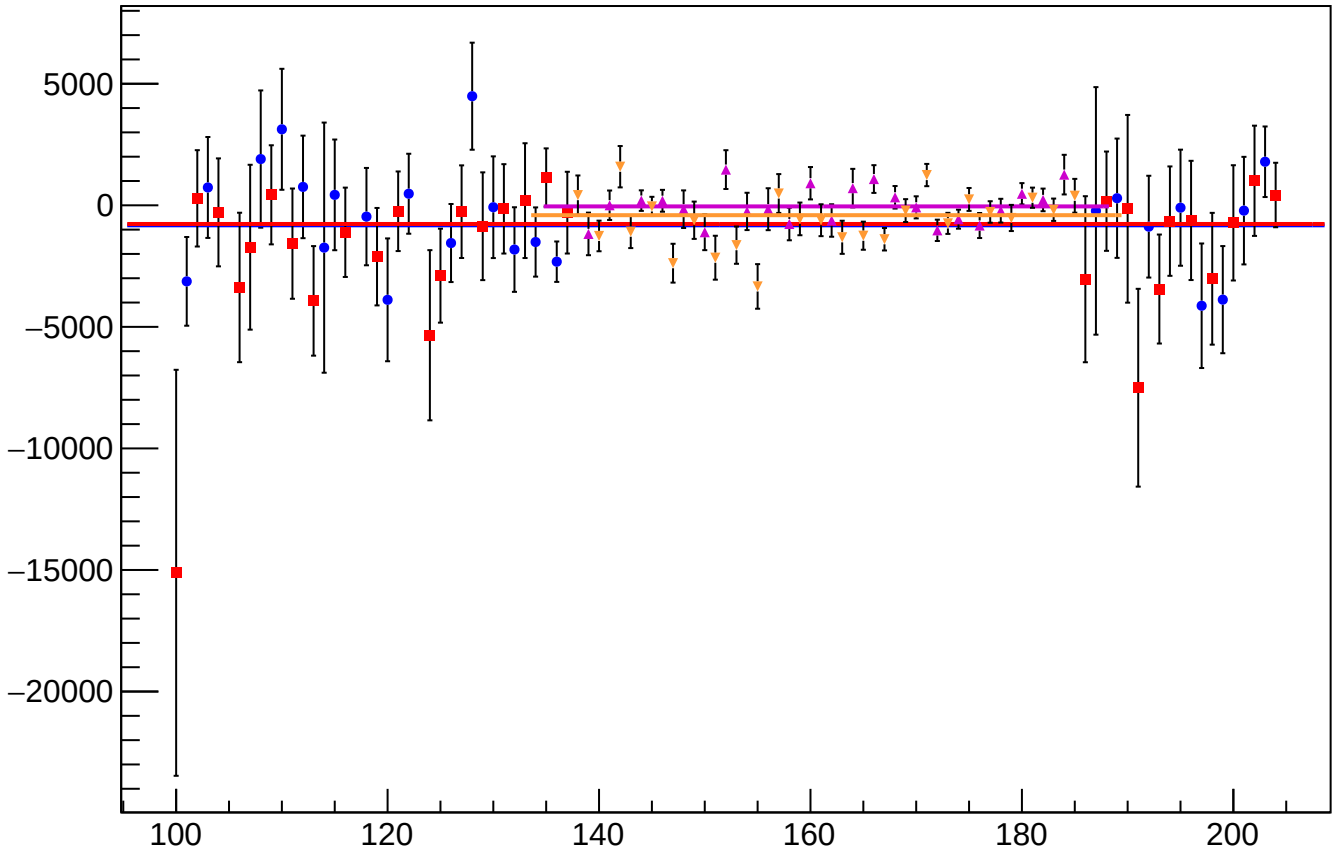
Right Out: 109.883+/-0.022 χ^2/NDF: 6004735.5/29

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 64.800+/-0.009 χ^2/NDF: 8894142.5/48

All: 65.728+/-0.006 χ^2/NDF: 20109844.4/101

- sign 66.710+/-0.009 χ^2/NDF: 11192416.6/52



Right In: -822.397+/-383.764 χ^2/NDF: 25.8/23

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -768.061+/-387.473 χ^2/NDF: 20.0/29

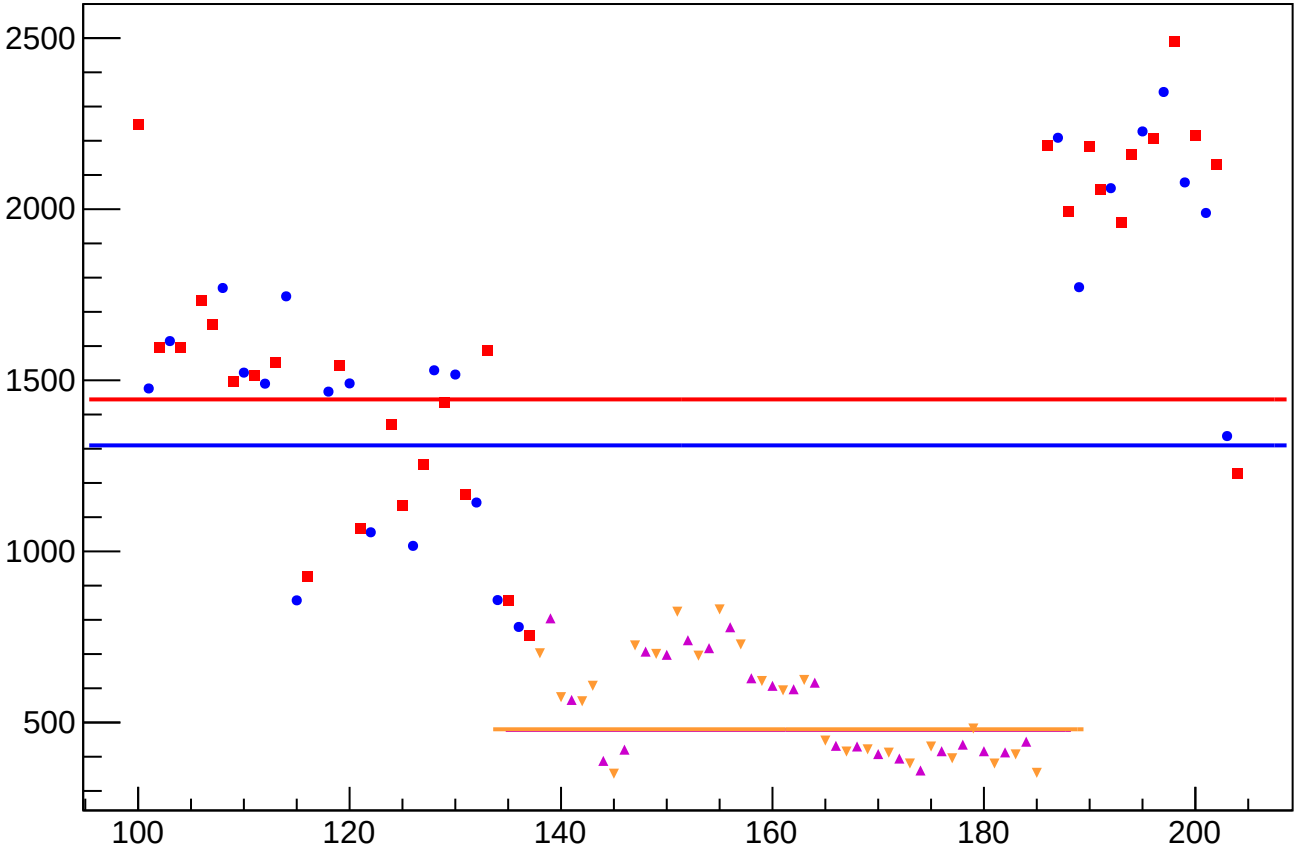
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -439.771+/-108.811 χ^2/NDF: 90.1/48

All: -275.157+/-77.676 χ^2/NDF: 149.0/101

- sign -104.099+/-110.920 χ^2/NDF: 54.2/52

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1309.806+/-0.271 χ^2/NDF: 2890798.4/23

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1444.163+/-0.274 χ^2/NDF: 2889845.1/29

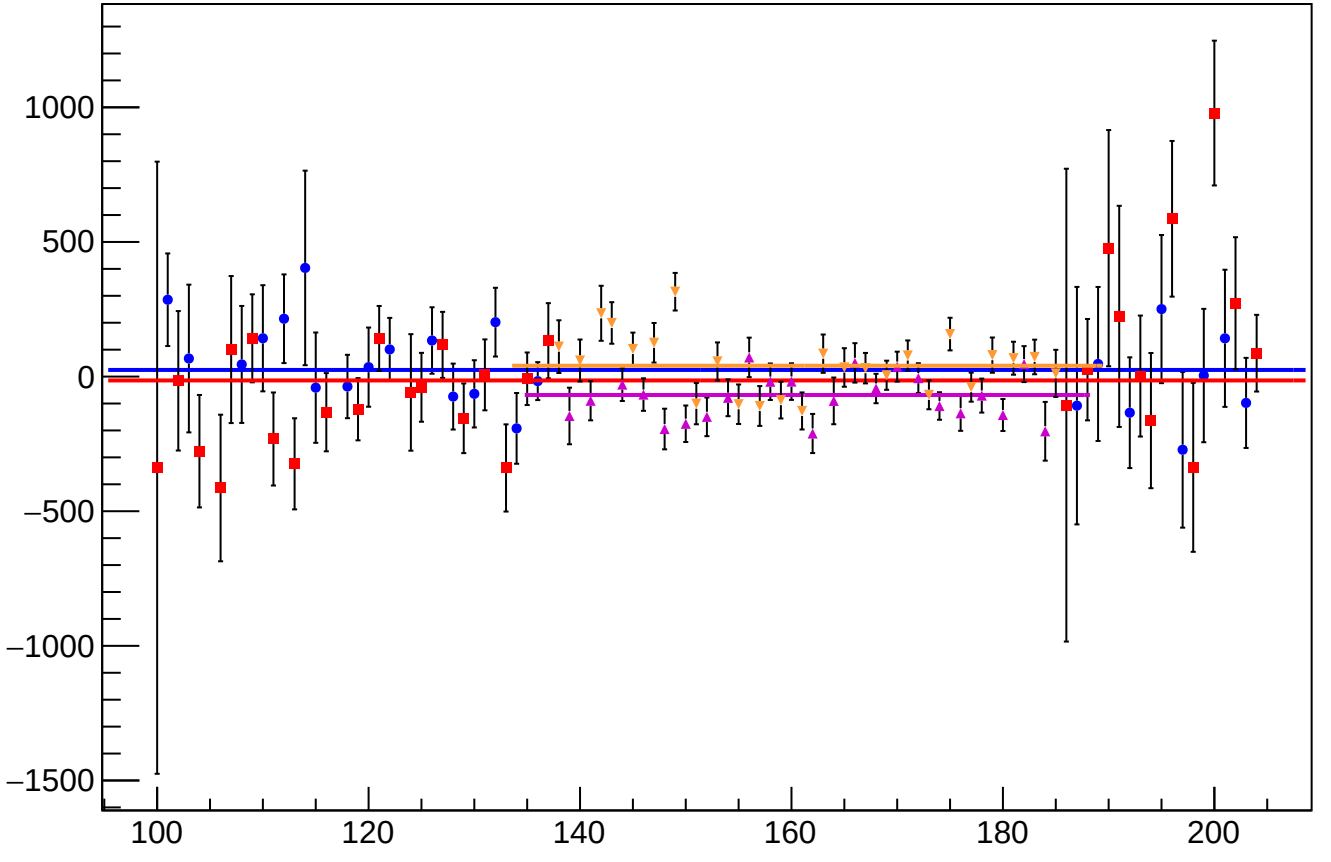
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 546.859+/-0.077 χ^2/NDF: 14068858.5/48

All: 551.956+/-0.055 χ^2/NDF: 30597221.3/10

- sign 557.252+/-0.078 χ^2/NDF: 16519416.0/52

cor_asym_sam_3726_avg_mean vs Slug



Right In: 24.675+/-31.547 χ^2/NDF: 16.1/23

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -14.331+/-31.600 χ^2/NDF: 43.5/29

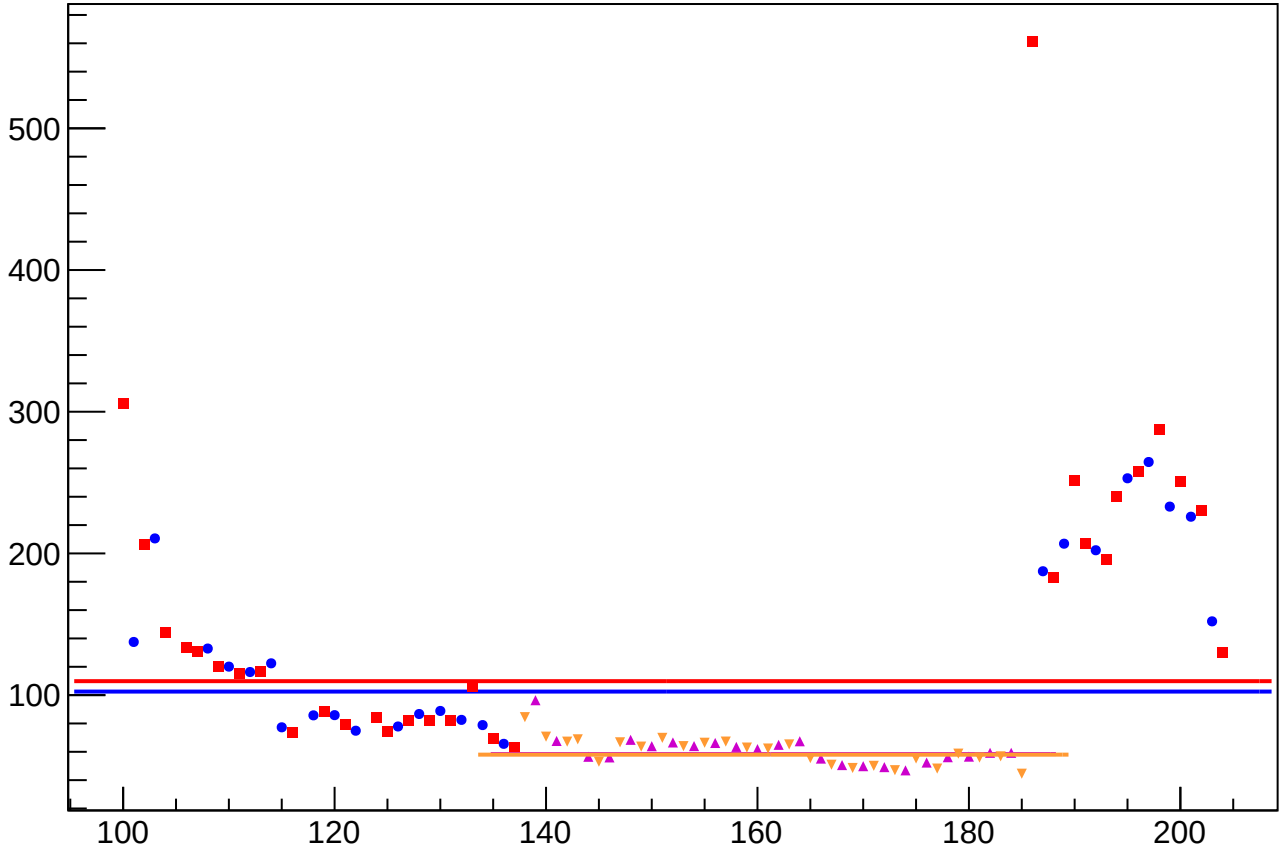
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 37.949+/-12.335 χ^2/NDF: 75.7/48

All: -9.424+/-8.848 χ^2/NDF: 183.8/101

- sign -59.622+/-12.698 χ^2/NDF: 77.7/52

cor_asym_sam_3726_avg_rms vs Slug



Right In: 102.505+/-0.022 χ^2/NDF: 4713916.6/23

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

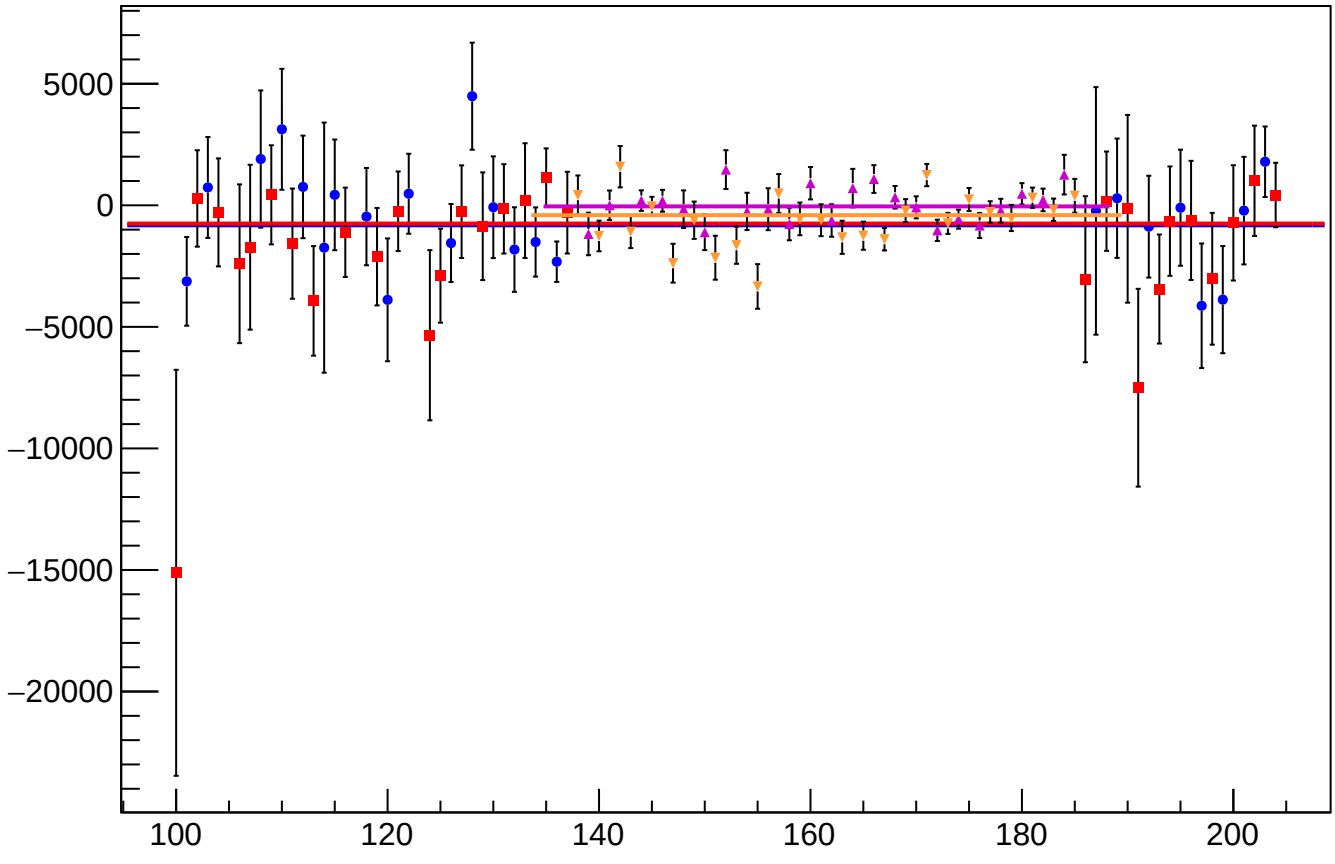
Right Out: 109.855+/-0.022 χ^2/NDF: 6002372.8/29

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 64.800+/-0.009 χ^2/NDF: 8894144.7/48

All: 65.725+/-0.006 χ^2/NDF: 20102052.3/101

- sign 66.705+/-0.009 χ^2/NDF: 11184751.6/52



Right In: -822.371+/-383.764 χ^2/NDF: 25.8/23

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -749.882+/-387.835 χ^2/NDF: 19.5/29

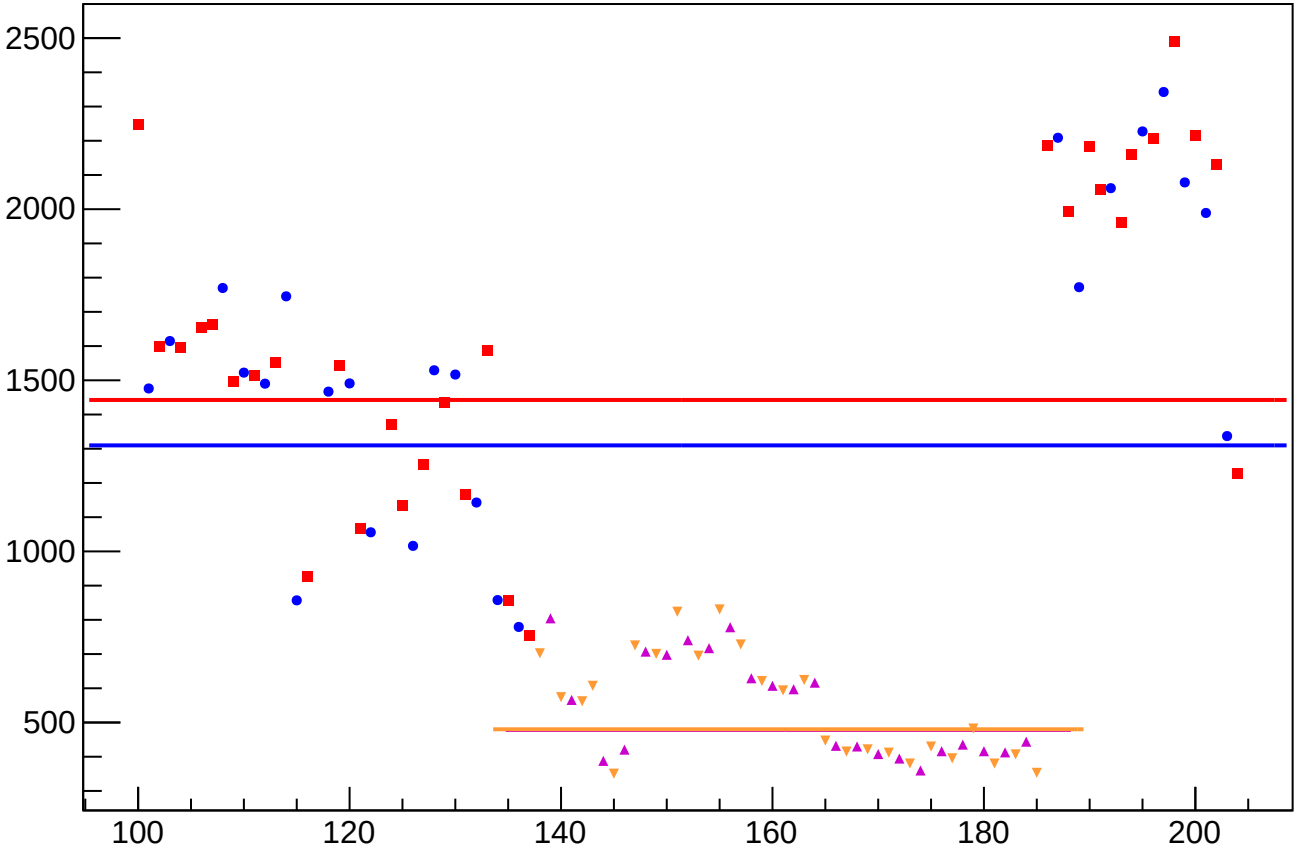
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -439.767+/-108.811 χ^2/NDF: 90.1/48

All: -274.388+/-77.679 χ^2/NDF: 148.4/101

- sign -102.509+/-110.929 χ^2/NDF: 53.6/52

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1309.808+/-0.271 χ^2/NDF: 2890828.8/23

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1442.574+/-0.274 χ^2/NDF: 2880632.2/29

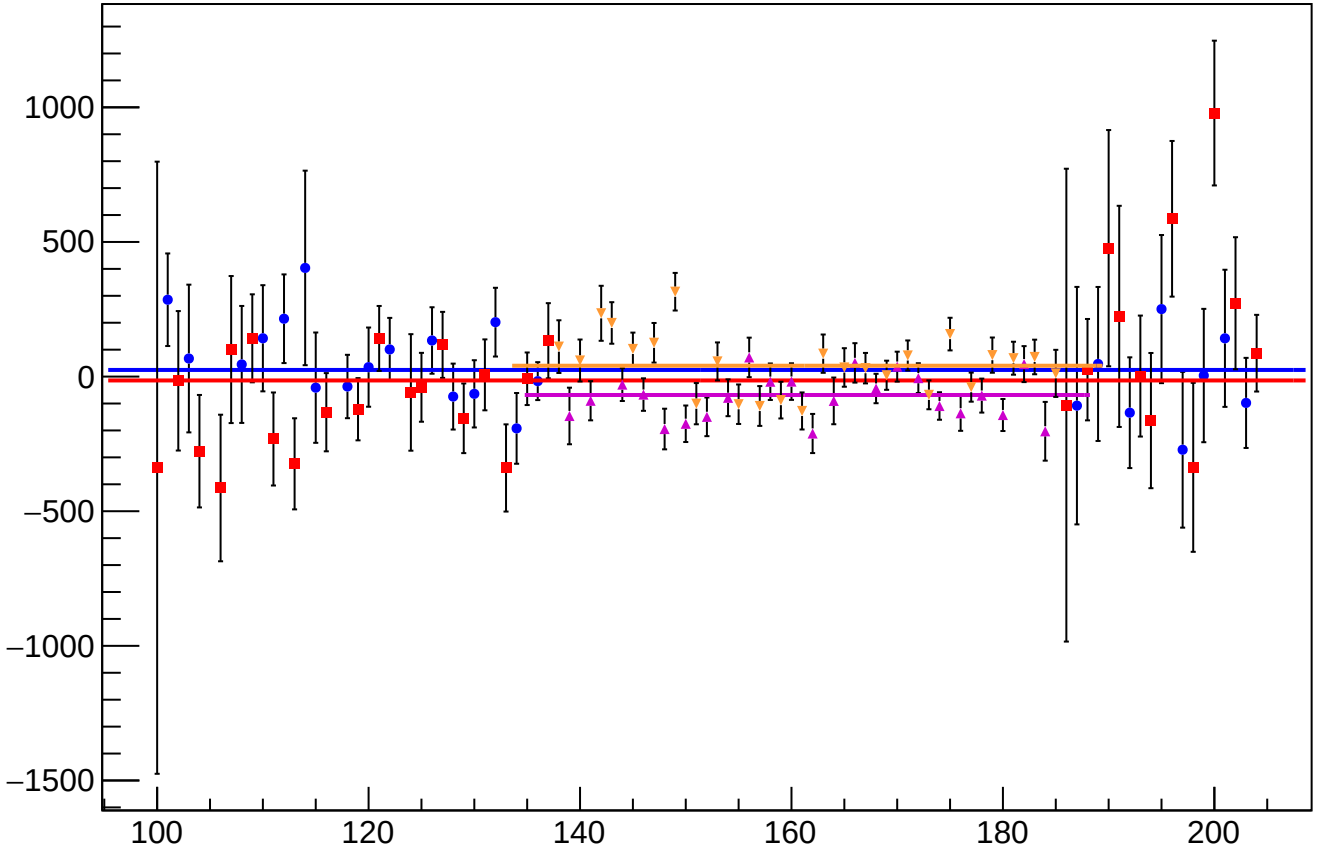
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 546.859+/-0.077 χ^2/NDF: 14068886.2/48

All: 551.825+/-0.055 χ^2/NDF: 30530584.0/10

- sign 556.987+/-0.078 χ^2/NDF: 16453202.5/52

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 24.675+/-31.547 χ^2/NDF: 16.1/23

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -14.331+/-31.600 χ^2/NDF: 43.5/29

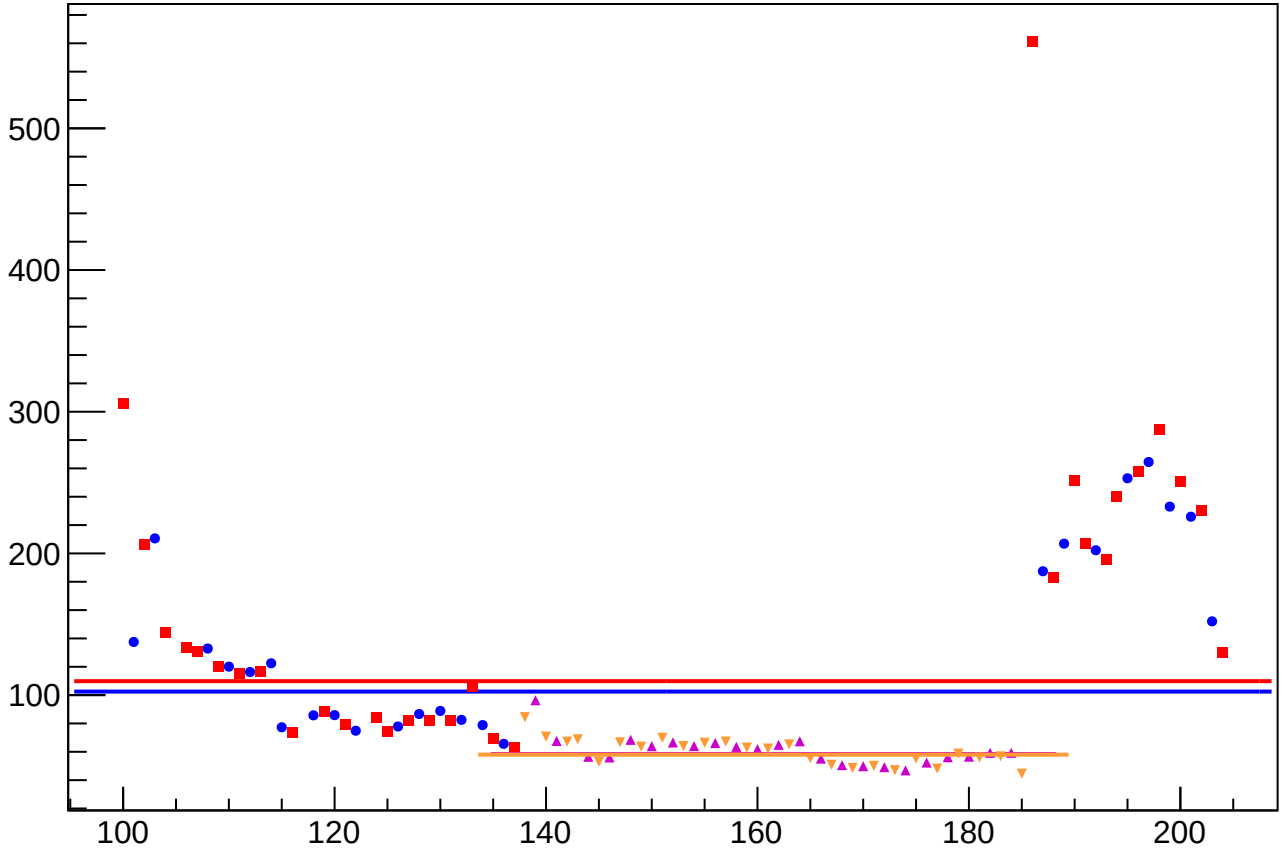
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 37.949+/-12.335 χ^2/NDF: 75.7/48

All: -9.424+/-8.848 χ^2/NDF: 183.8/101

- sign -59.622+/-12.698 χ^2/NDF: 77.7/52

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 102.505+/-0.022 χ^2/NDF: 4713916.6/23

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

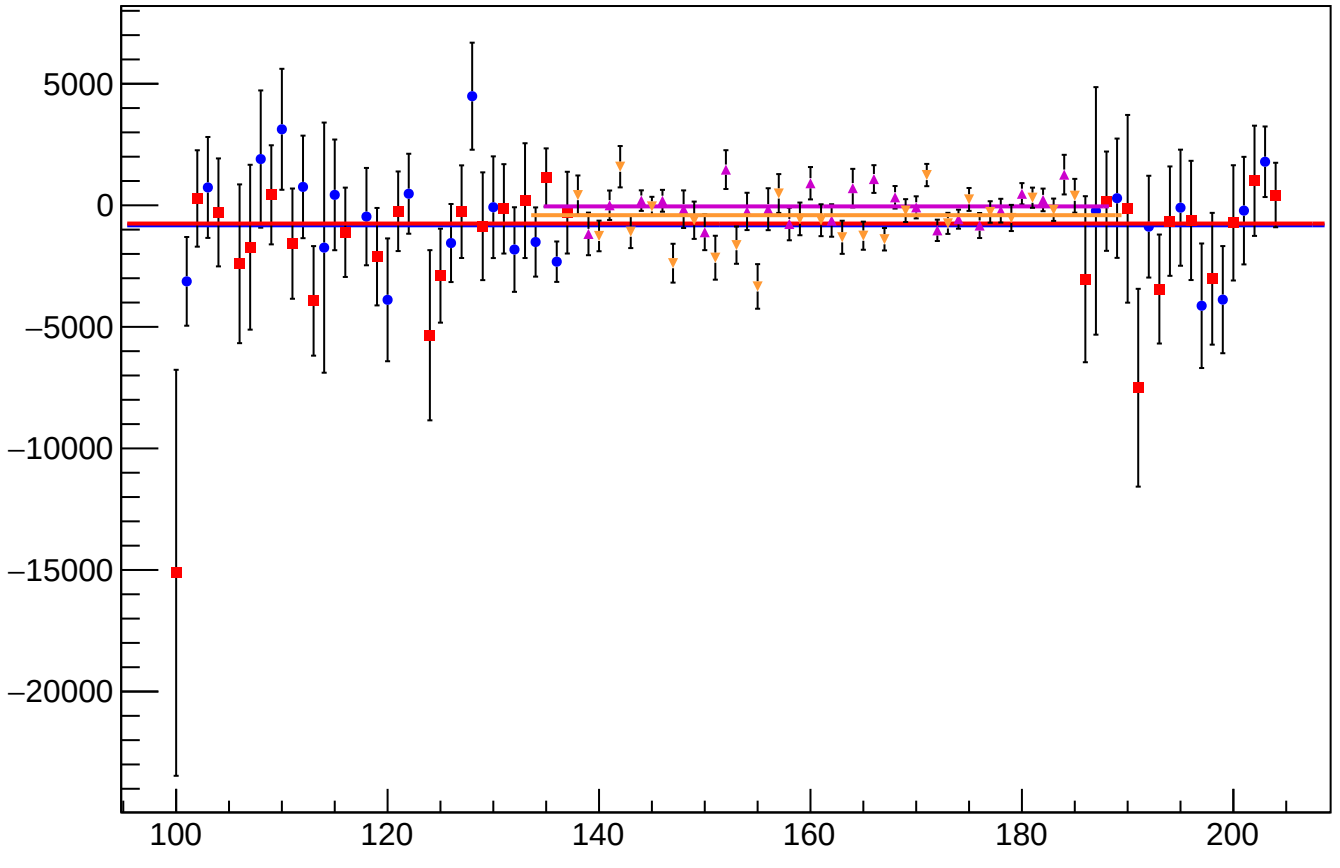
Right Out: 109.855+/-0.022 χ^2/NDF: 6002372.8/29

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 64.800+/-0.009 χ^2/NDF: 8894144.7/48

All: 65.725+/-0.006 χ^2/NDF: 20102052.3/101

- sign 66.705+/-0.009 χ^2/NDF: 11184751.6/52



Right In: -822.371+/-383.764 χ^2/NDF: 25.8/23

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

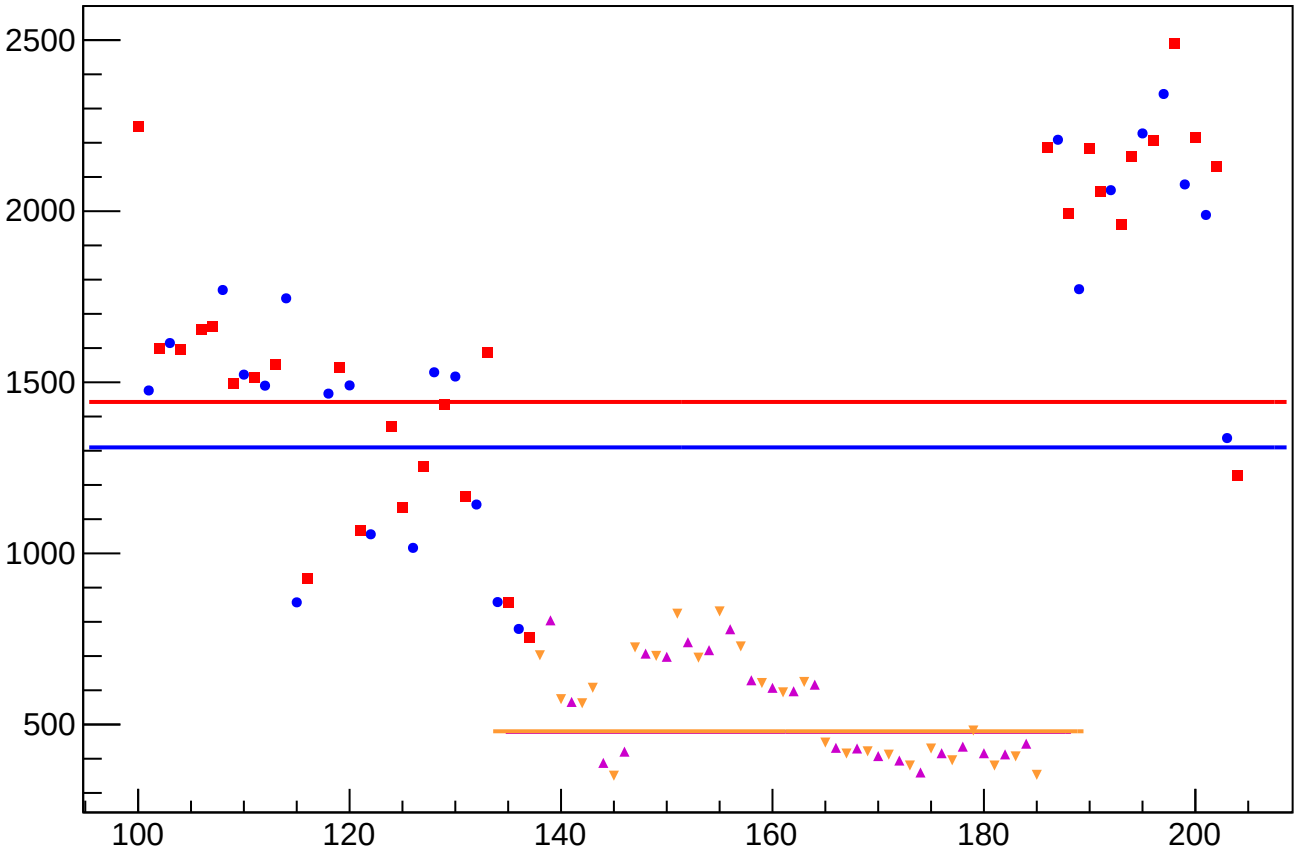
Right Out: -749.882+/-387.835 χ^2/NDF: 19.5/29

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -439.767+/-108.811 χ^2/NDF: 90.1/48

All: -274.388+/-77.679 χ^2/NDF: 148.4/101

- sign -102.509+/-110.929 χ^2/NDF: 53.6/52



Right In: 1309.808+/-0.271 χ^2/NDF: 2890828.8/23

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1442.574+/-0.274 χ^2/NDF: 2880632.2/29

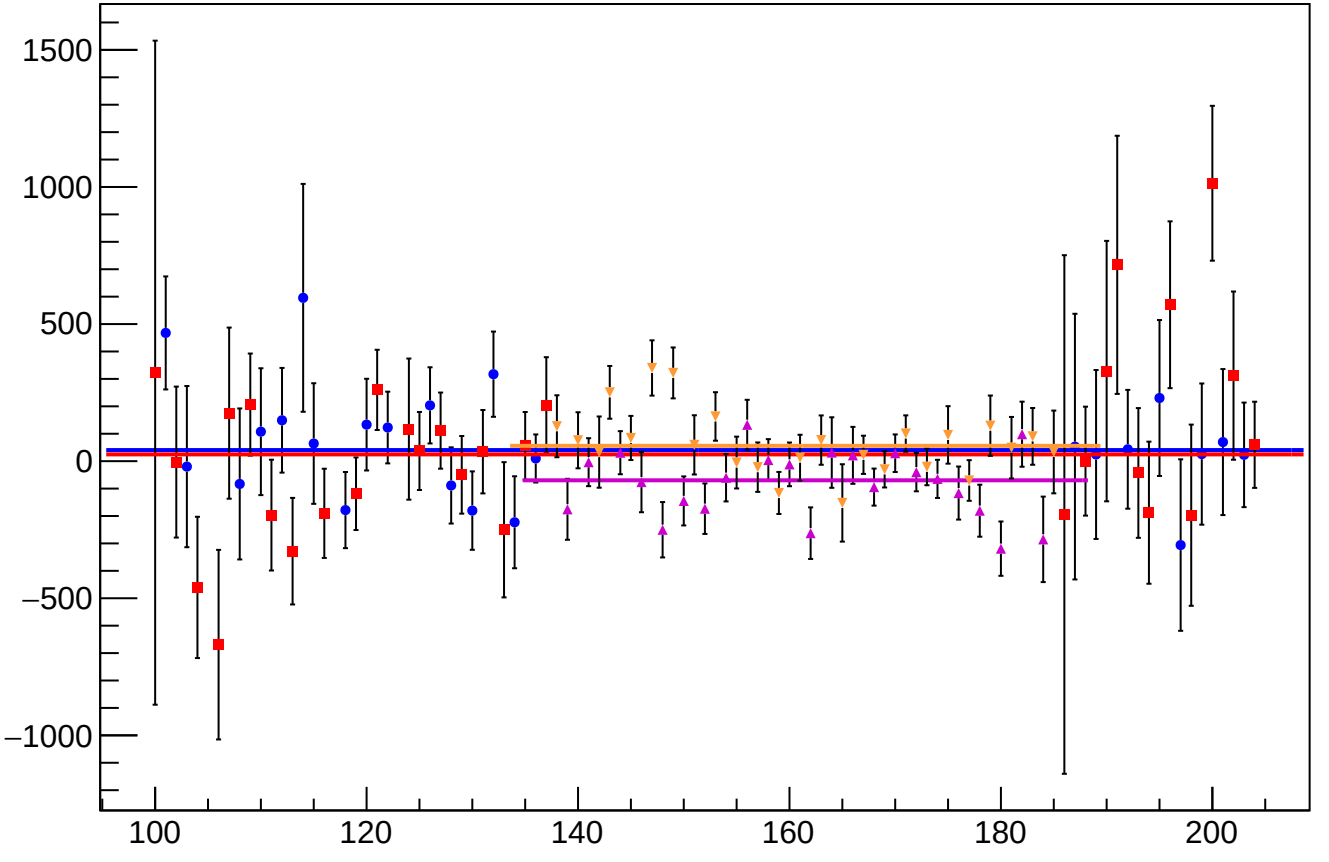
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 546.859+/-0.077 χ^2/NDF: 14068886.2/48

All: 551.825+/-0.055 χ^2/NDF: 30530584.0/10

- sign 556.987+/-0.078 χ^2/NDF: 16453202.5/52

dit_asym_sam_3726_avg_mean vs Slug



Right In: 40.459+/-36.711 χ^2/NDF: 22.0/23

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 24.667+/-36.638 χ^2/NDF: 42.3/29

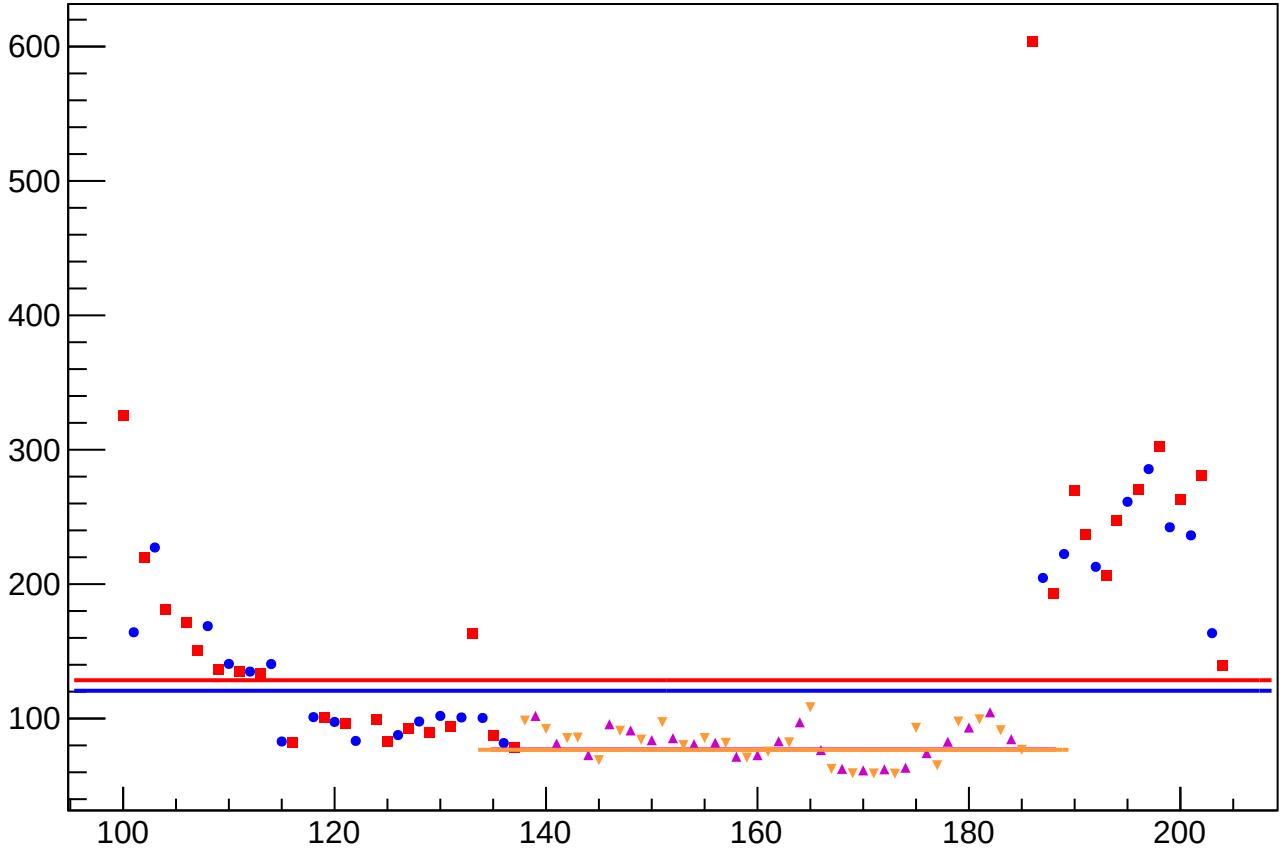
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 52.960+/-16.125 χ^2/NDF: 60.5/48

All: 2.383+/-11.536 χ^2/NDF: 162.7/101

- sign -50.648+/-16.512 χ^2/NDF: 82.1/52

dit_asym_sam_3726_avg_rms vs Slug



Right In: 120.673+/-0.026 χ^2/NDF: 4011793.1/23

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 128.497+/-0.026 χ^2/NDF: 5379213.4/29

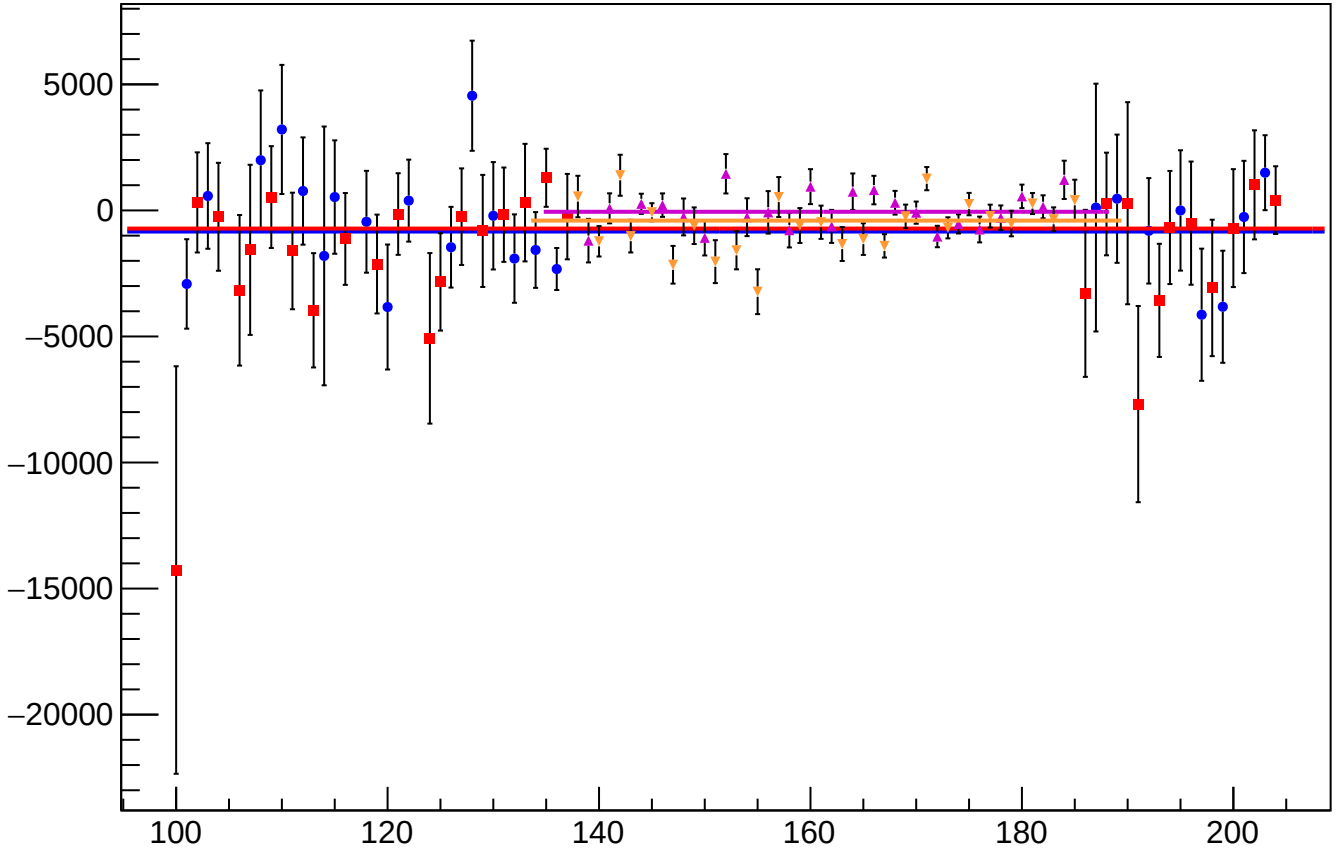
Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

\+ sign 85.219+/-0.011 χ^2/NDF: 7557714.7/48

All: 86.320+/-0.008 χ^2/NDF: 16961403.7/101

\- sign 87.474+/-0.012 χ^2/NDF: 9384605.8/52

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -837.682+/-386.206 χ^2/NDF: 24.9/23

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -719.795+/-384.232 χ^2/NDF: 21.3/29

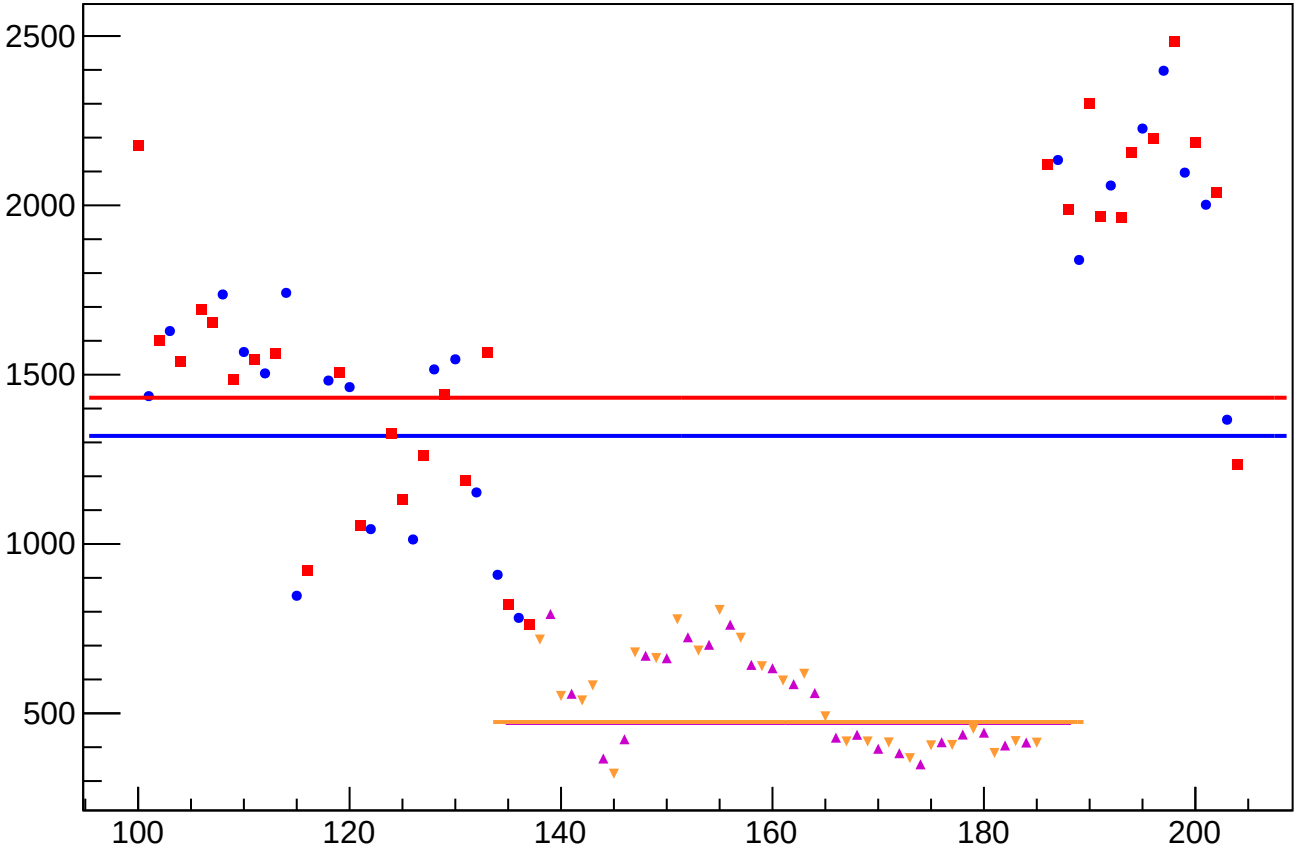
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -436.941+/-107.367 χ^2/NDF: 86.8/48

All: -275.804+/-76.659 χ^2/NDF: 146.1/101

- sign -108.238+/-109.488 χ^2/NDF: 54.7/52

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1319.196+/-0.273 χ^2/NDF: 2872987.2/23

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1431.949+/-0.272 χ^2/NDF: 2917753.5/29

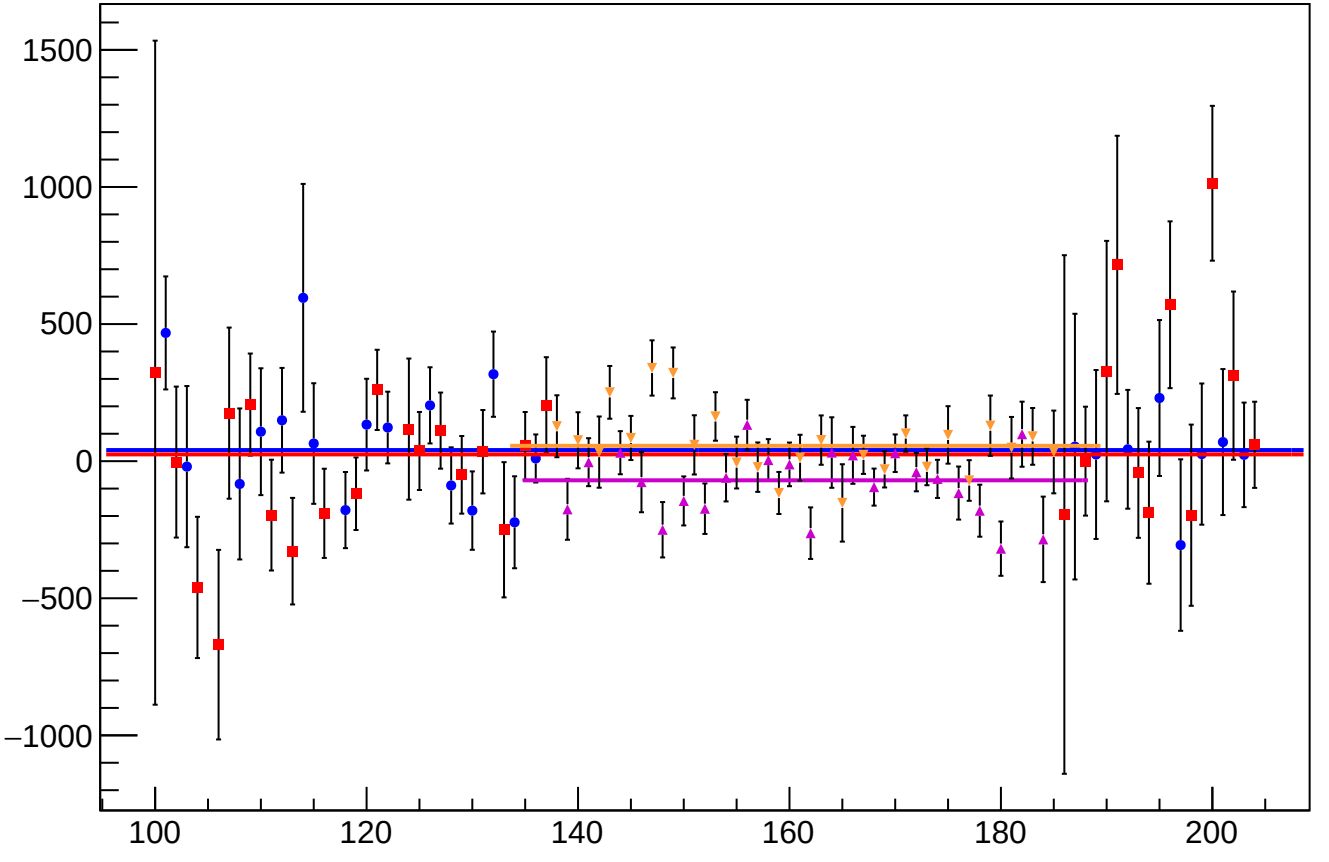
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 539.593+/-0.076 χ^2/NDF: 14244237.4/48

All: 544.423+/-0.054 χ^2/NDF: 30862572.0/10

- sign 549.446+/-0.077 χ^2/NDF: 16610078.4/52

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 40.459+/-36.710 χ^2/NDF: 22.0/23

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 24.669+/-36.638 χ^2/NDF: 42.3/29

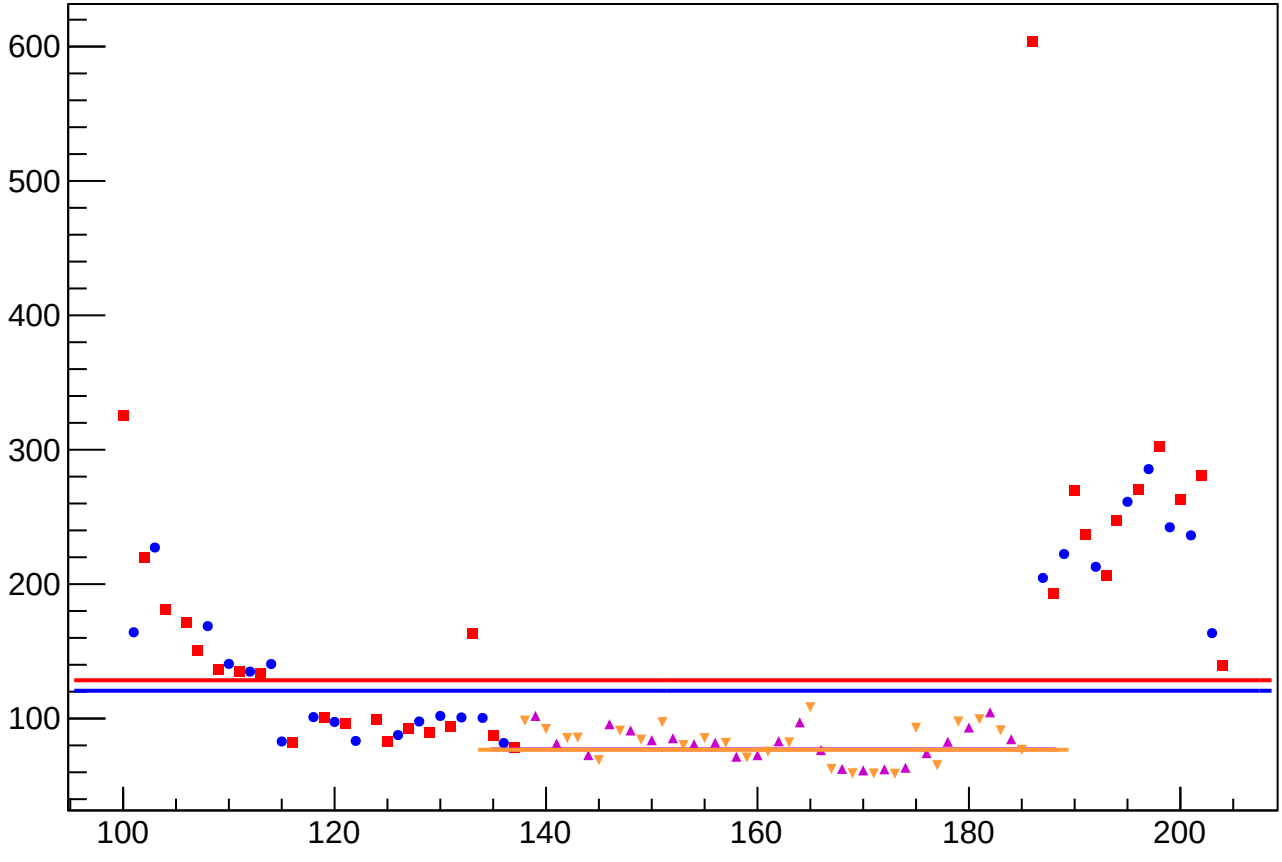
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 52.960+/-16.125 χ^2/NDF: 60.5/48

All: 2.384+/-11.536 χ^2/NDF: 162.7/101

- sign -50.647+/-16.512 χ^2/NDF: 82.1/52

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 120.672+/-0.026 χ^2/NDF: 4011800.1/23

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

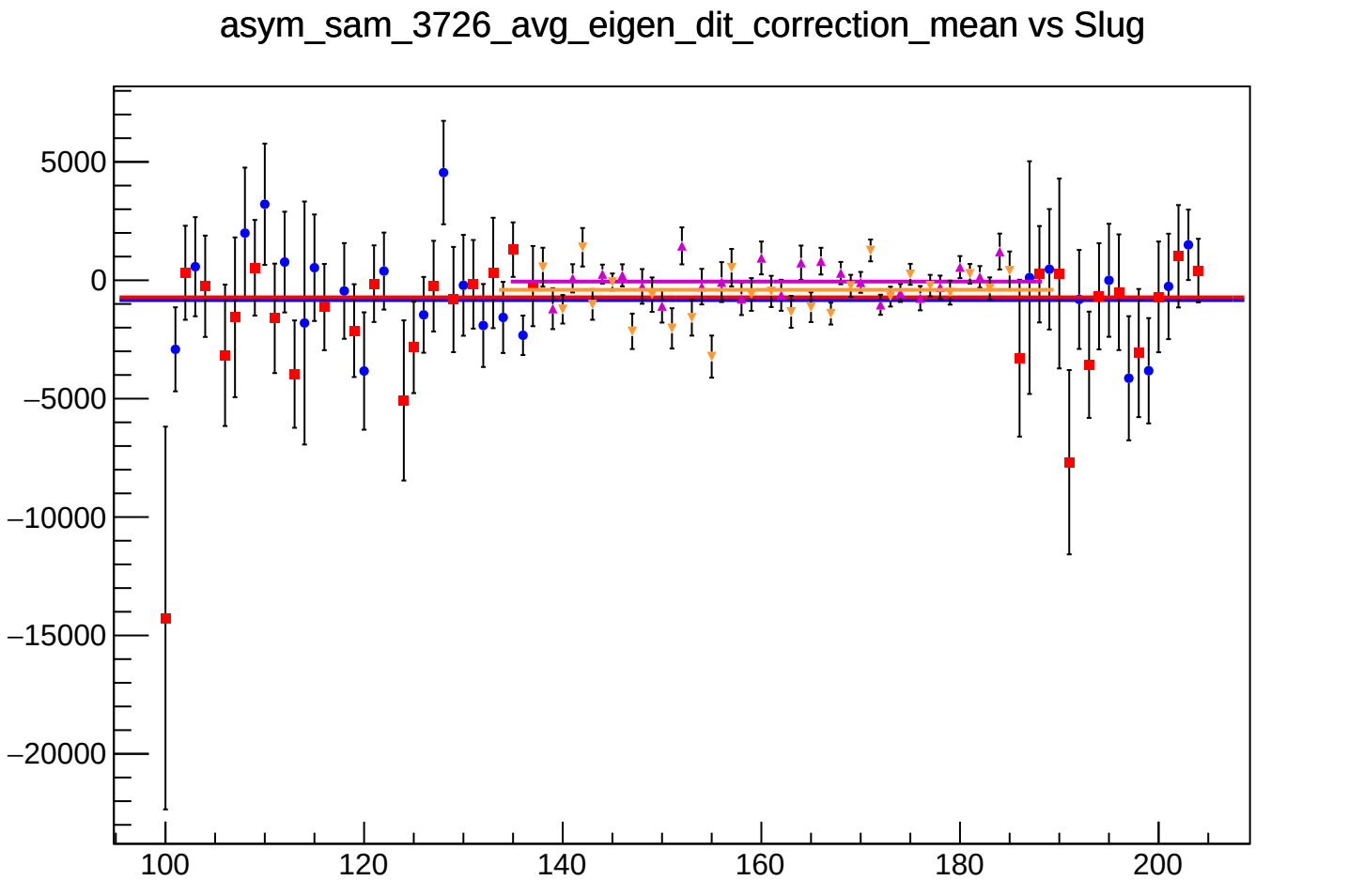
Right Out: 128.497+/-0.026 χ^2/NDF: 5379222.4/29

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

\+ sign 85.219+/-0.011 χ^2/NDF: 7557669.9/48

All: 86.320+/-0.008 χ^2/NDF: 16961310.7/101

\- sign 87.474+/-0.012 χ^2/NDF: 9384556.9/52



Right In: -837.679+/-386.206 χ^2/NDF: 24.9/23

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

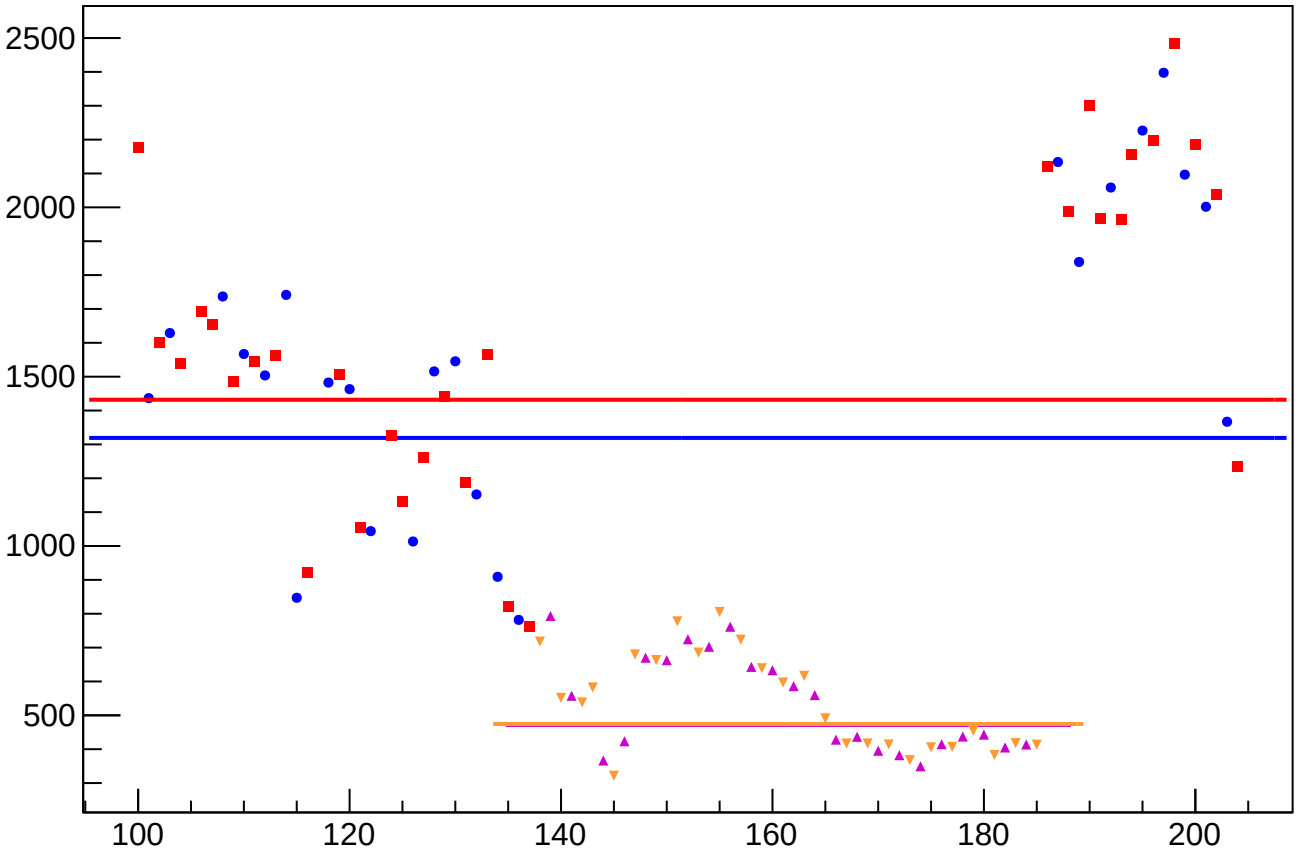
Right Out: -719.796+/-384.231 χ^2/NDF: 21.3/29

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -436.941+/-107.367 χ^2/NDF: 86.8/48

All: -275.803+/-76.659 χ^2/NDF: 146.1/101

- sign -108.238+/-109.488 χ^2/NDF: 54.7/52



Right In: 1319.195+/-0.273 χ^2/NDF: 2872977.8/23

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1431.948+/-0.272 χ^2/NDF: 2917748.6/29

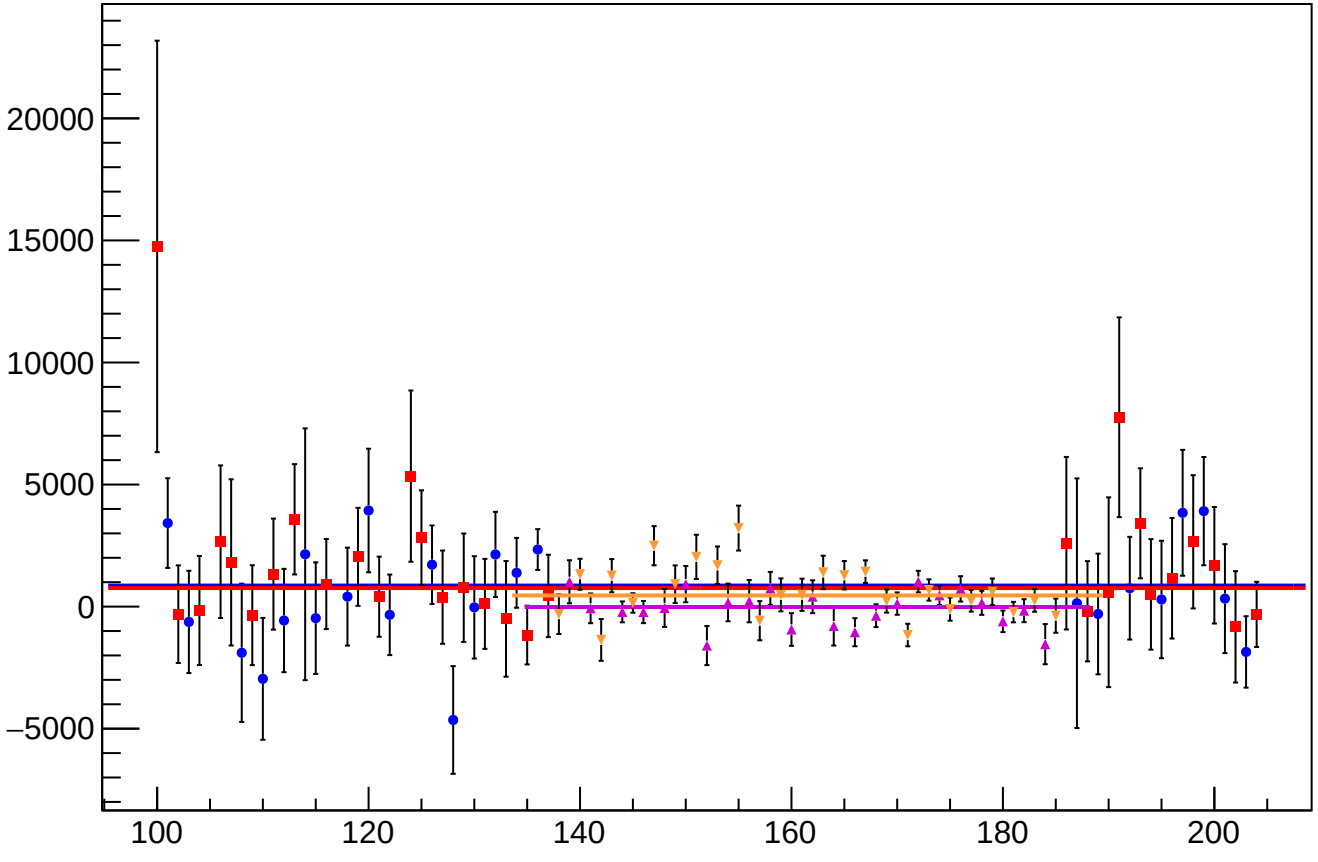
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 539.593+/-0.076 χ^2/NDF: 14244232.4/48

All: 544.423+/-0.054 χ^2/NDF: 30862550.7/10

- sign 549.446+/-0.077 χ^2/NDF: 16610061.9/52

asym_sam_3726_avg_mean vs Slug



Right In: 861.612+/-385.544 χ^2/NDF: 26.2/23

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 760.134+/-389.349 χ^2/NDF: 18.5/29

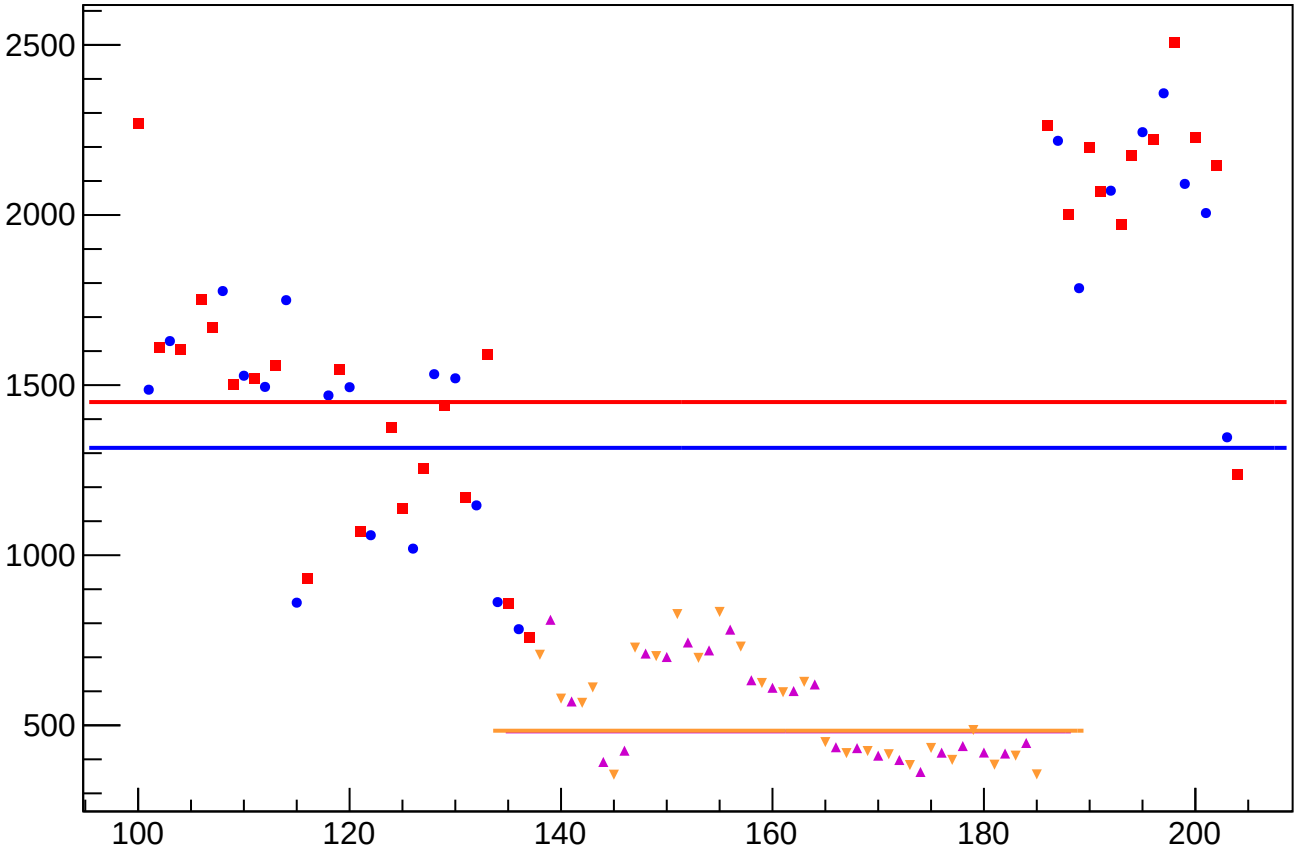
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 489.979+/-109.631 χ^2/NDF: 86.6/48

All: 273.693+/-78.272 χ^2/NDF: 147.0/101

- sign 48.815+/-111.787 χ^2/NDF: 52.5/52

asym_sam_3726_avg_rms vs Slug



Right In: 1315.565+/-0.273 χ^2/NDF: 2902656.9/23

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

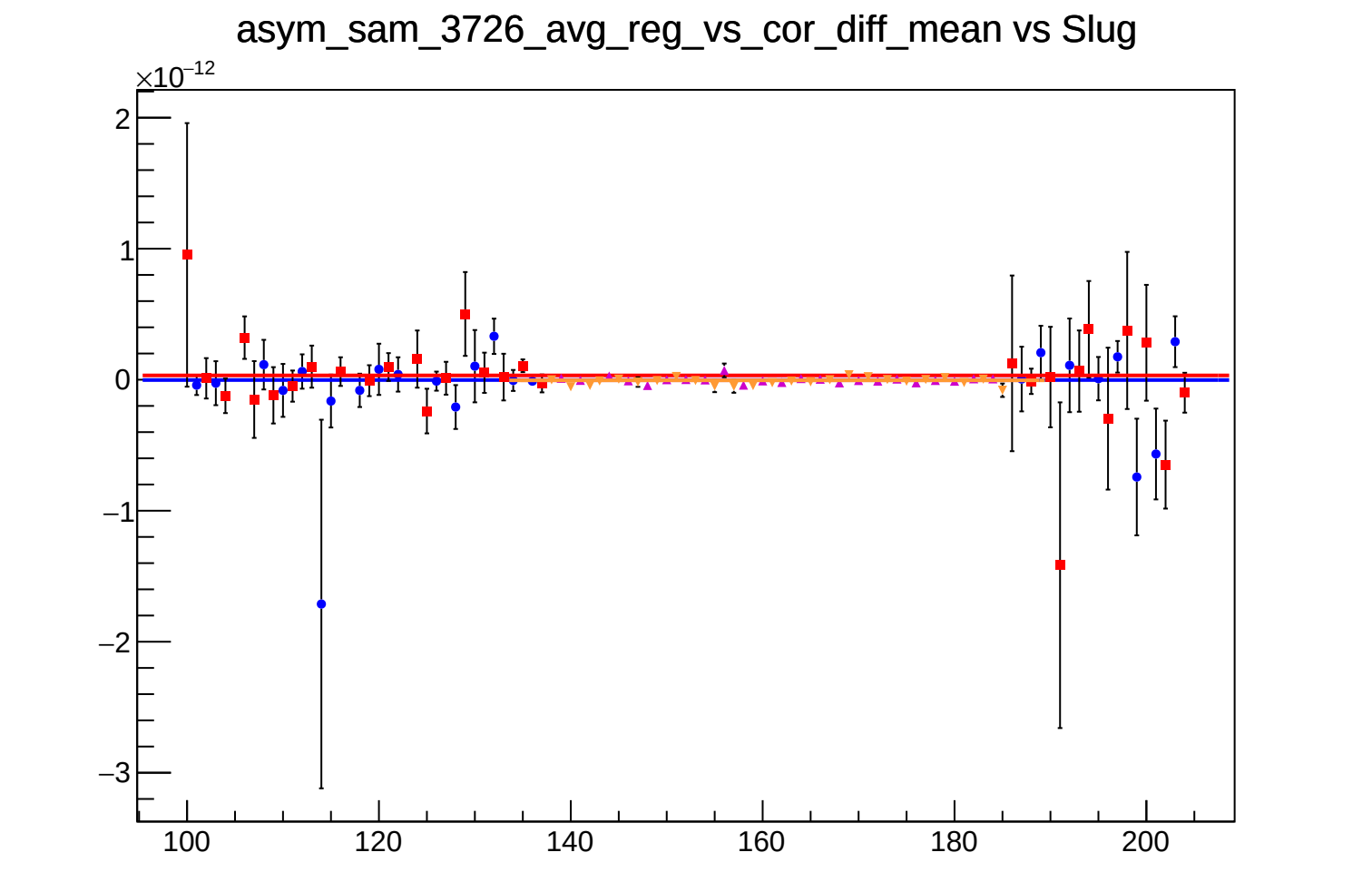
Right Out: 1450.194+/-0.275 χ^2/NDF: 2920534.1/29

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

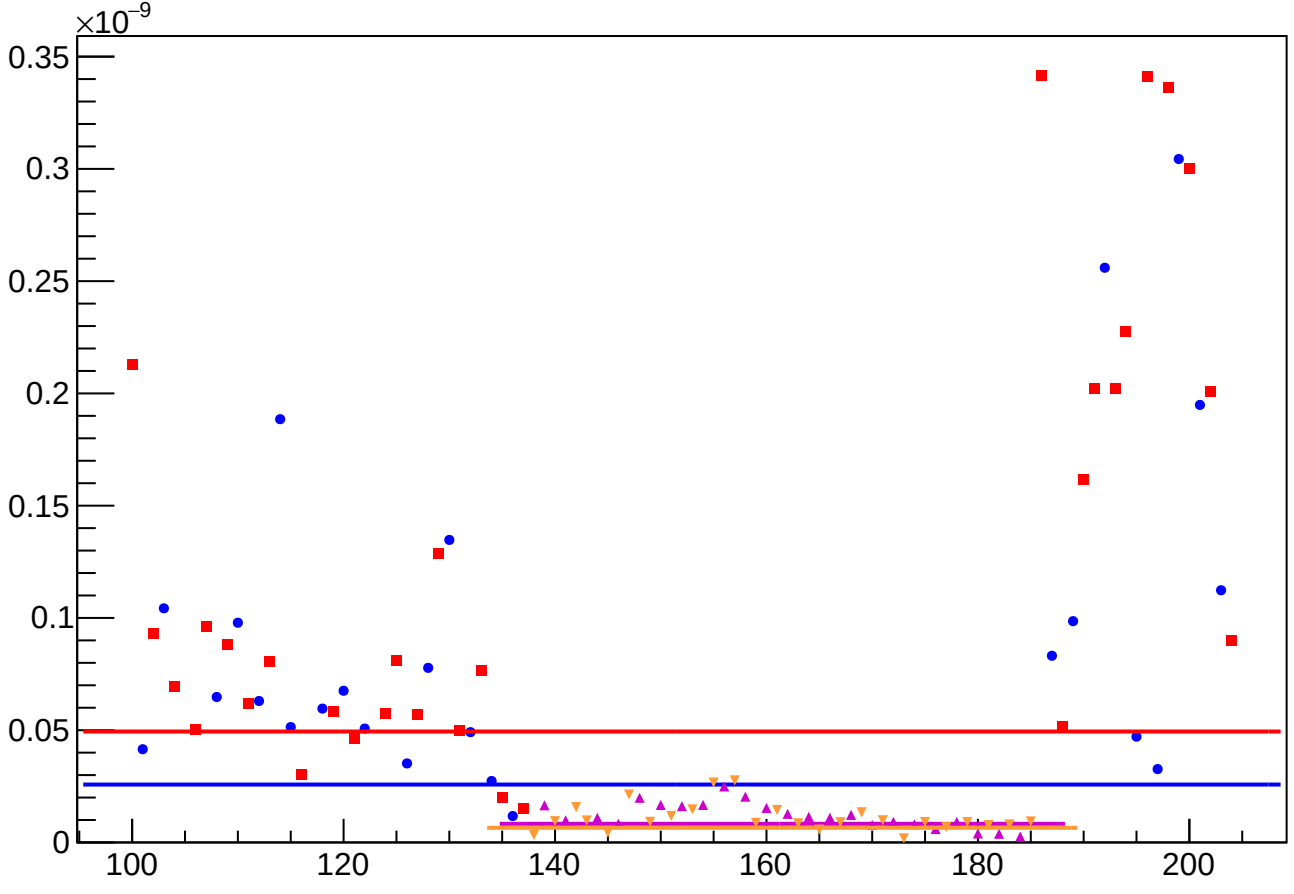
\+ sign 551.355+/-0.078 χ^2/NDF: 14000302.3/48

All: 556.554+/-0.055 χ^2/NDF: 30460795.6/10

\- sign 561.959+/-0.079 χ^2/NDF: 16451321.4/52


asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 22.8/23
Left Out: -0.000+/-0.000 χ²/NDF:31.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 24.1/29
Left In: -0.000+/-0.000 χ²/NDF:15.0/22
+ sign -0.000+/-0.000 χ²/NDF: 53.9/48
All: -0.000+/-0.000 χ²/NDF: 95.1/101
- sign -0.000+/-0.000 χ²/NDF: 41.2/52

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5807428.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5788591.1/29

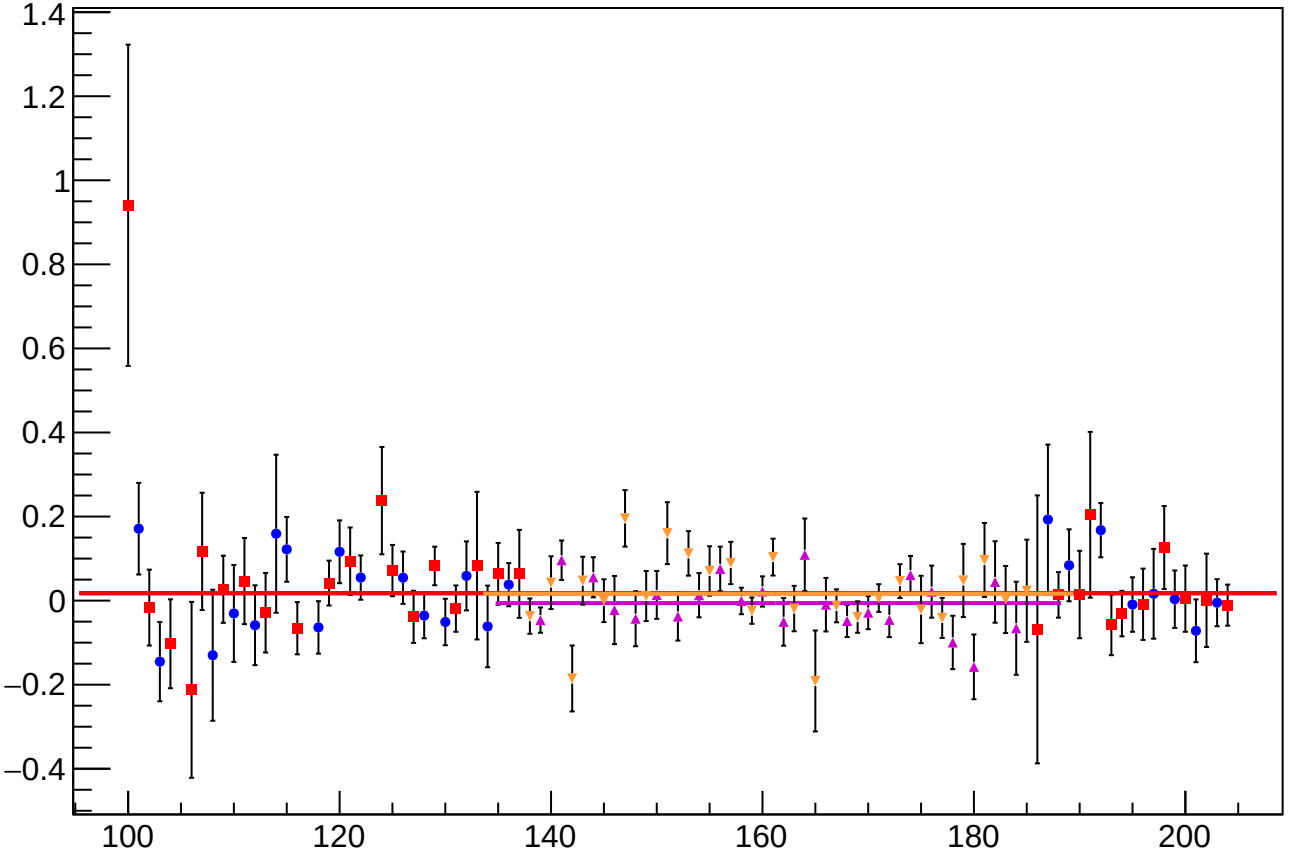
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12064786.9/48

All: 0.000+/-0.000 χ^2/NDF: 26164009.6/101

- sign 0.000+/-0.000 χ^2/NDF: 13755989.0/52

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.015 χ^2/NDF: 25.7/23

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.017+/-0.014 χ^2/NDF: 24.5/29

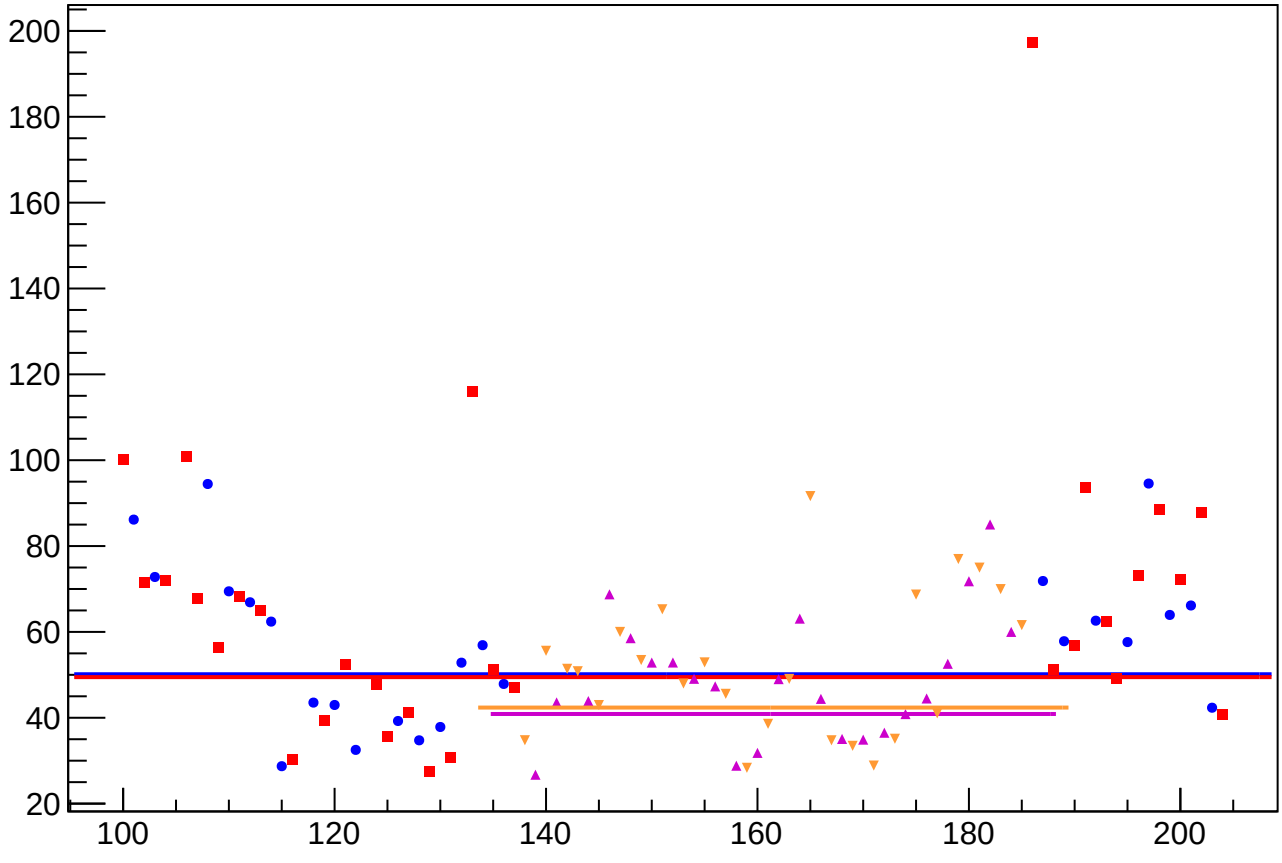
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 66.8/48

All: 0.009+/-0.006 χ^2/NDF: 120.6/101

- sign 0.002+/-0.008 χ^2/NDF: 52.3/52

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.137+/-0.011 χ^2/NDF: 2086275.4/23

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

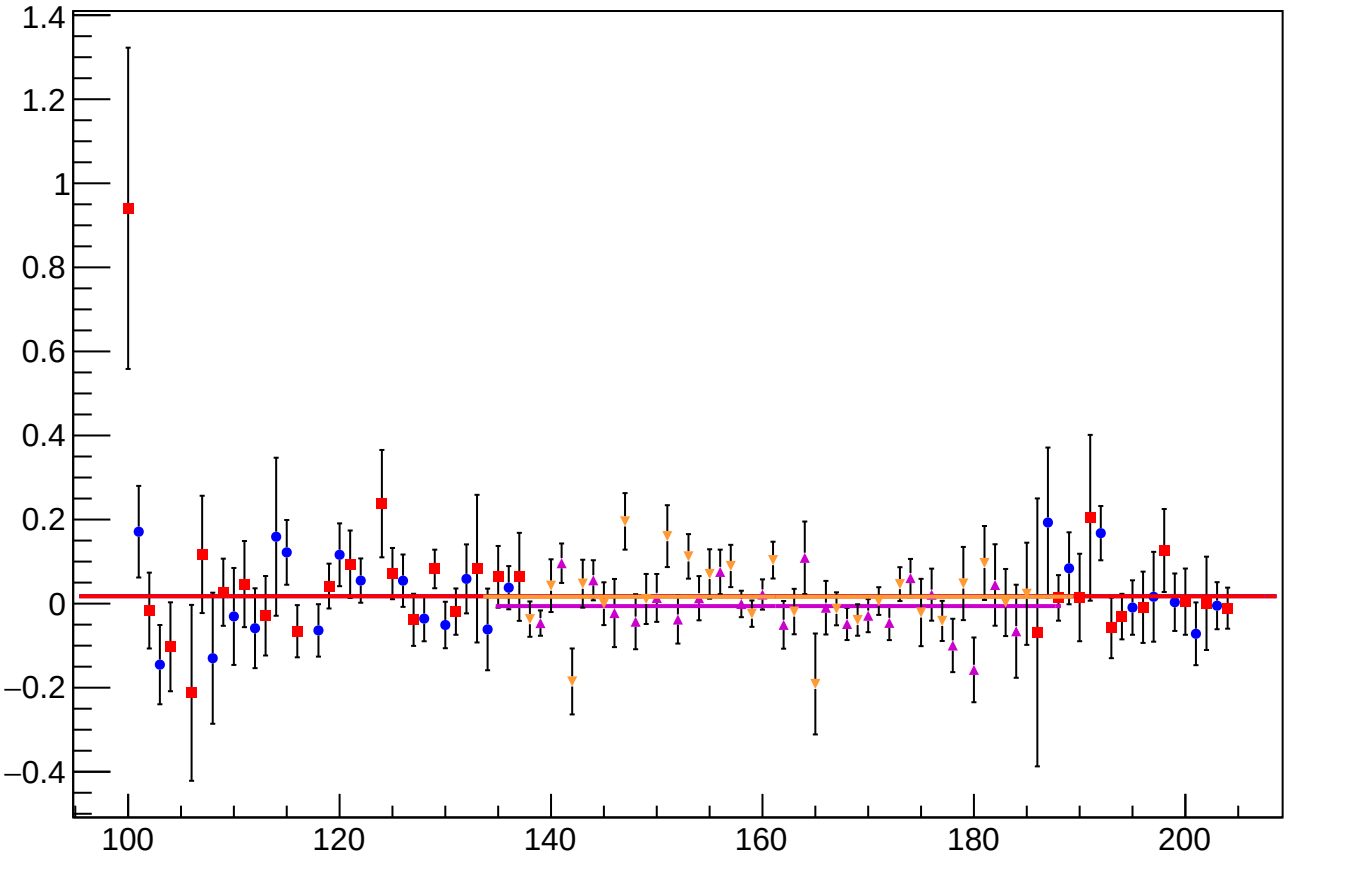
Right Out: 49.466+/-0.010 χ^2/NDF: 3465885.9/29

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.871+/-0.006 χ^2/NDF: 5639121.4/48

All: 44.353+/-0.004 χ^2/NDF: 12281940.7/101

- sign 43.862+/-0.006 χ^2/NDF: 6628444.5/52



Right In: 0.018+/-0.015 χ^2/NDF: 25.7/23

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.017+/-0.014 χ^2/NDF: 24.5/29

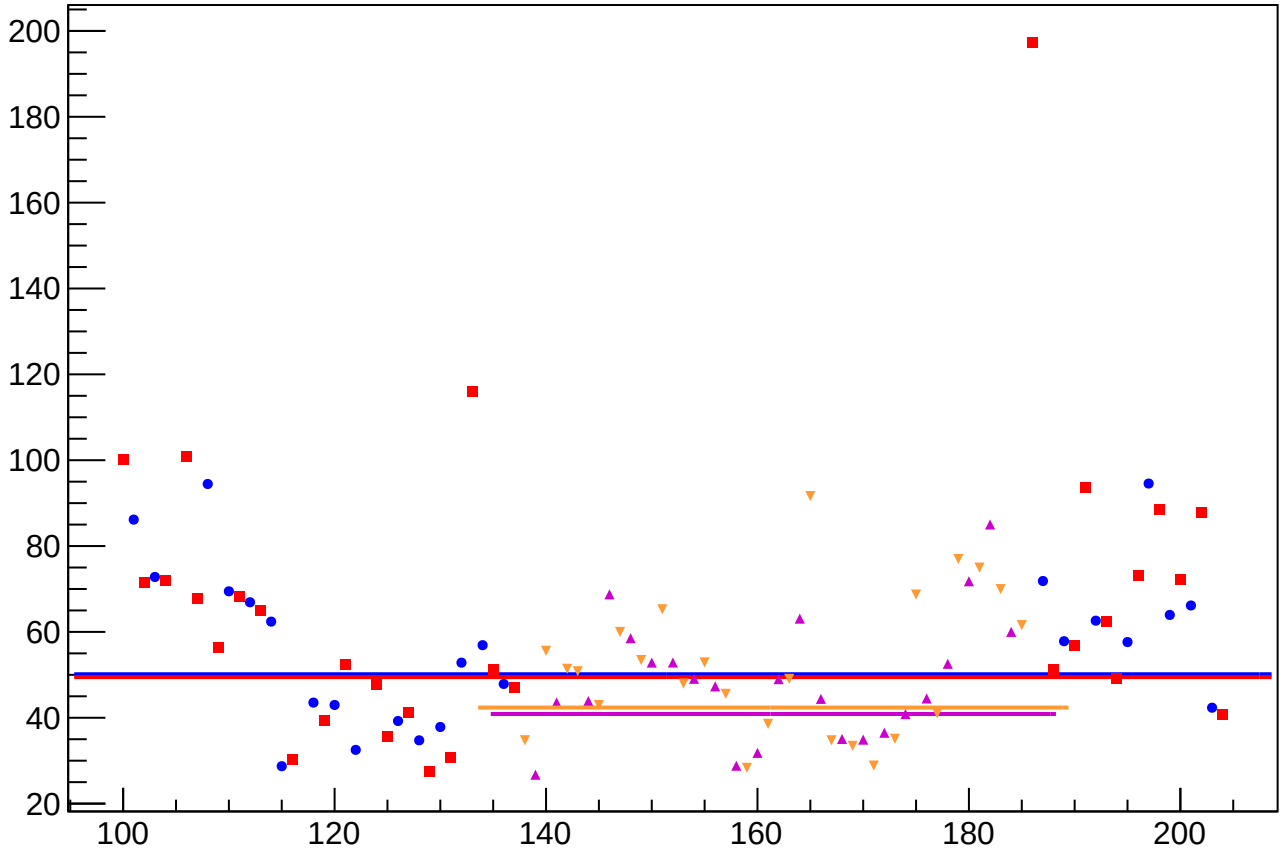
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 66.8/48

All: 0.009+/-0.006 χ^2/NDF: 120.6/101

- sign 0.002+/-0.008 χ^2/NDF: 52.3/52

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.137+/-0.011 χ^2/NDF: 2086275.4/23

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

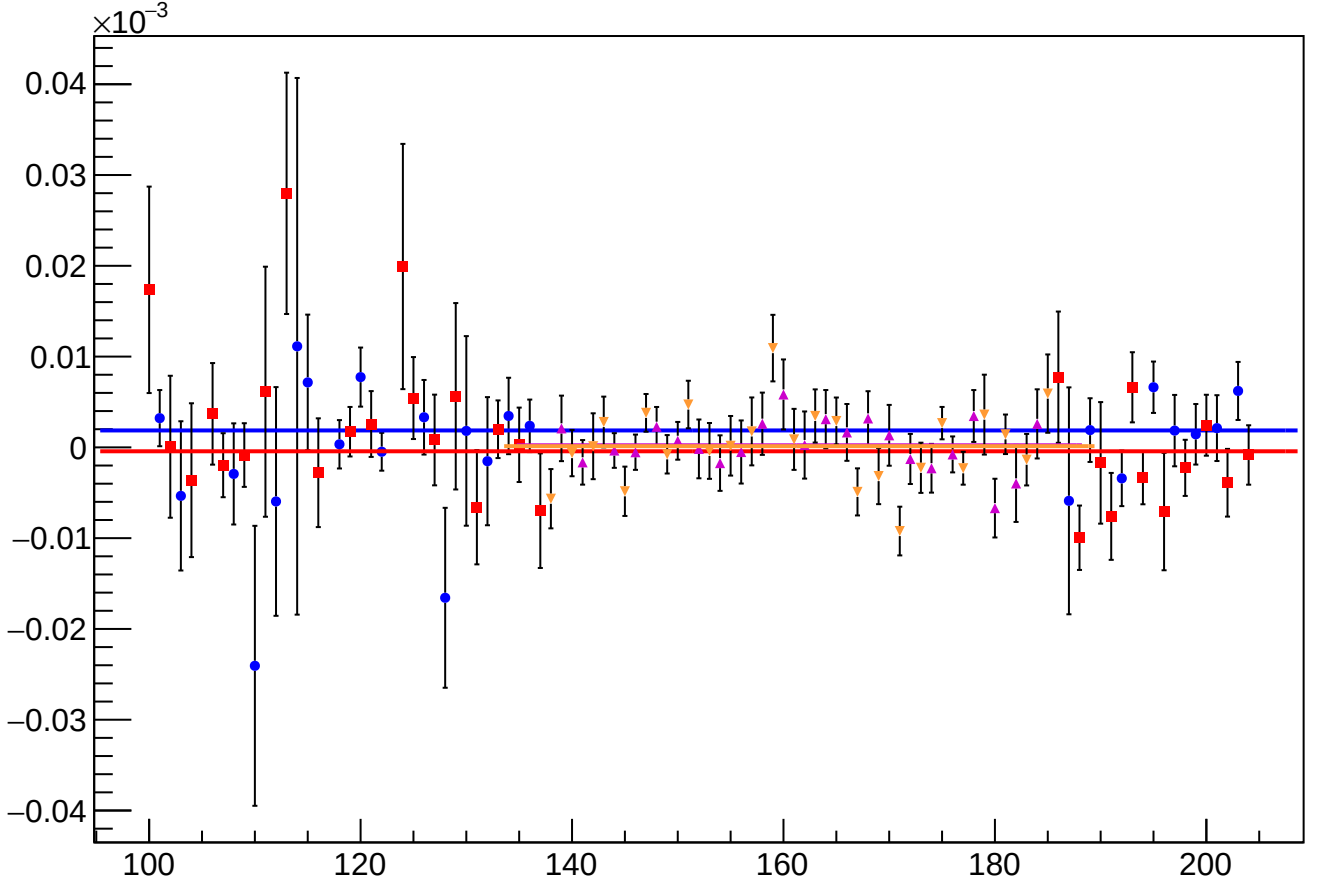
Right Out: 49.466+/-0.010 χ^2/NDF: 3465885.9/29

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.871+/-0.006 χ^2/NDF: 5639121.4/48

All: 44.353+/-0.004 χ^2/NDF: 12281940.7/101

- sign 43.862+/-0.006 χ^2/NDF: 6628444.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

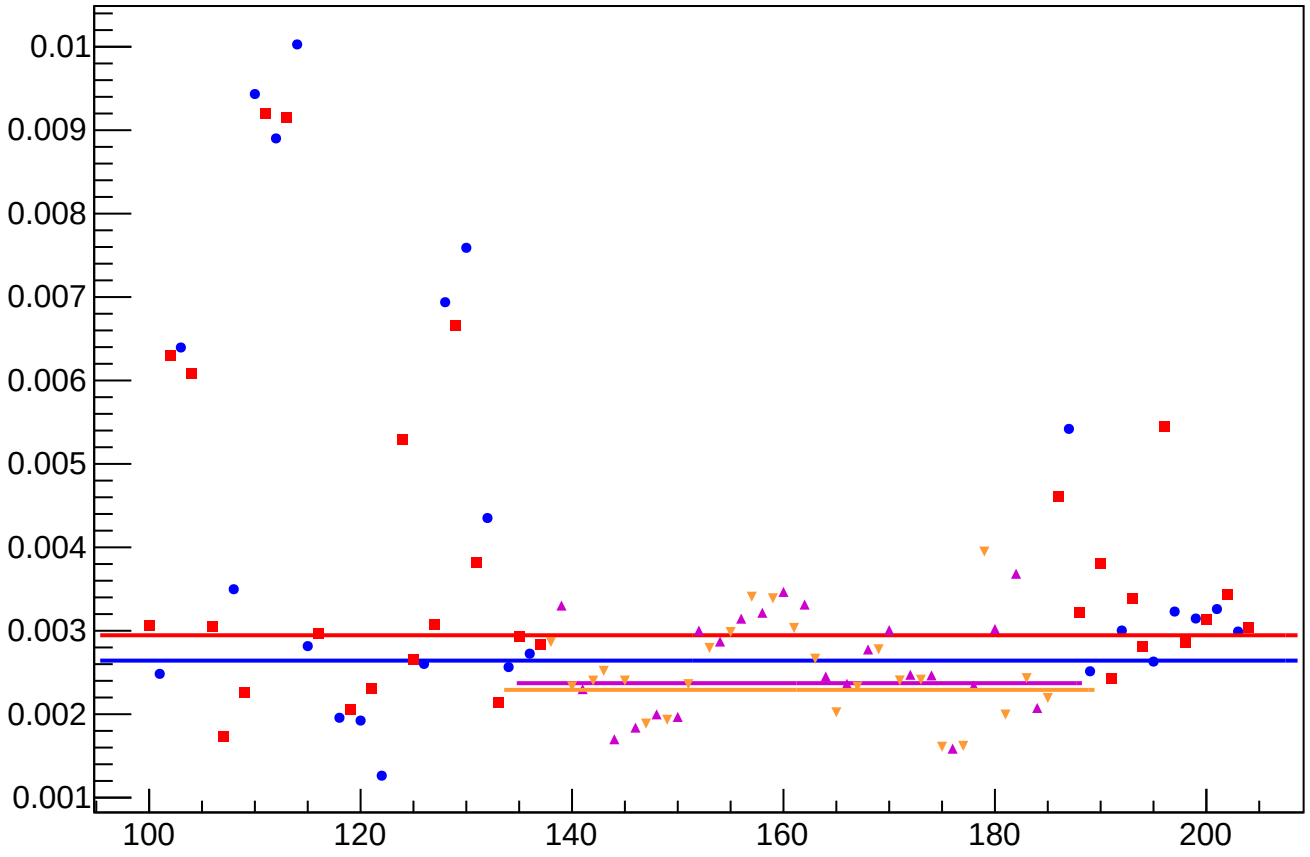
Right Out: -0.000+/-0.000 χ^2/NDF: 34.7/29

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.6/48

All: 0.000+/-0.000 χ^2/NDF: 127.7/101

- sign 0.000+/-0.000 χ^2/NDF: 51.0/52



Right In: 0.003+/-0.000 χ^2/NDF: 3828463.3/23

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3129855.9/29

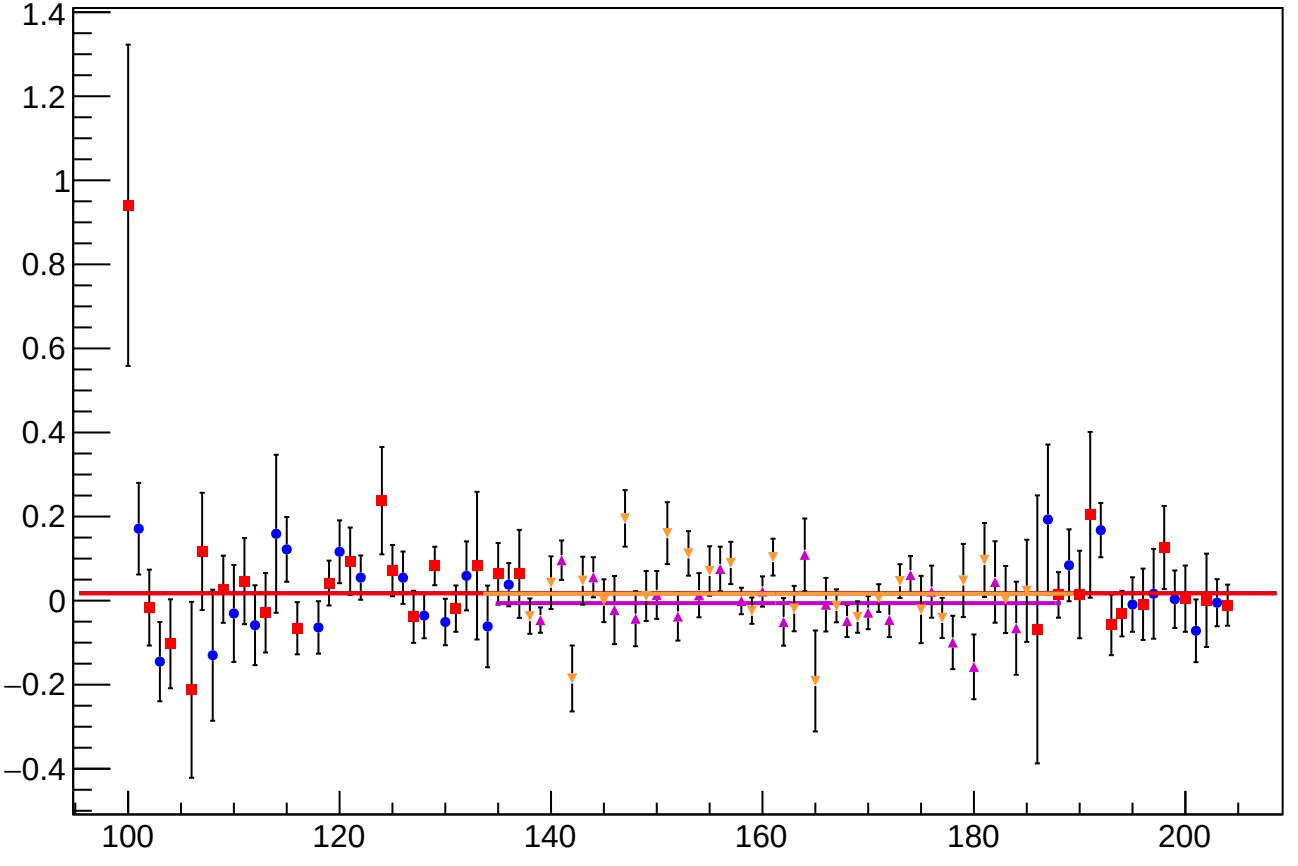
Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5913055.5/48

All: 0.002+/-0.000 χ^2/NDF: 11859377.2/101

- sign 0.003+/-0.000 χ^2/NDF: 5817098.0/52

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.015 χ^2/NDF: 25.7/23

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.017+/-0.014 χ^2/NDF: 24.5/29

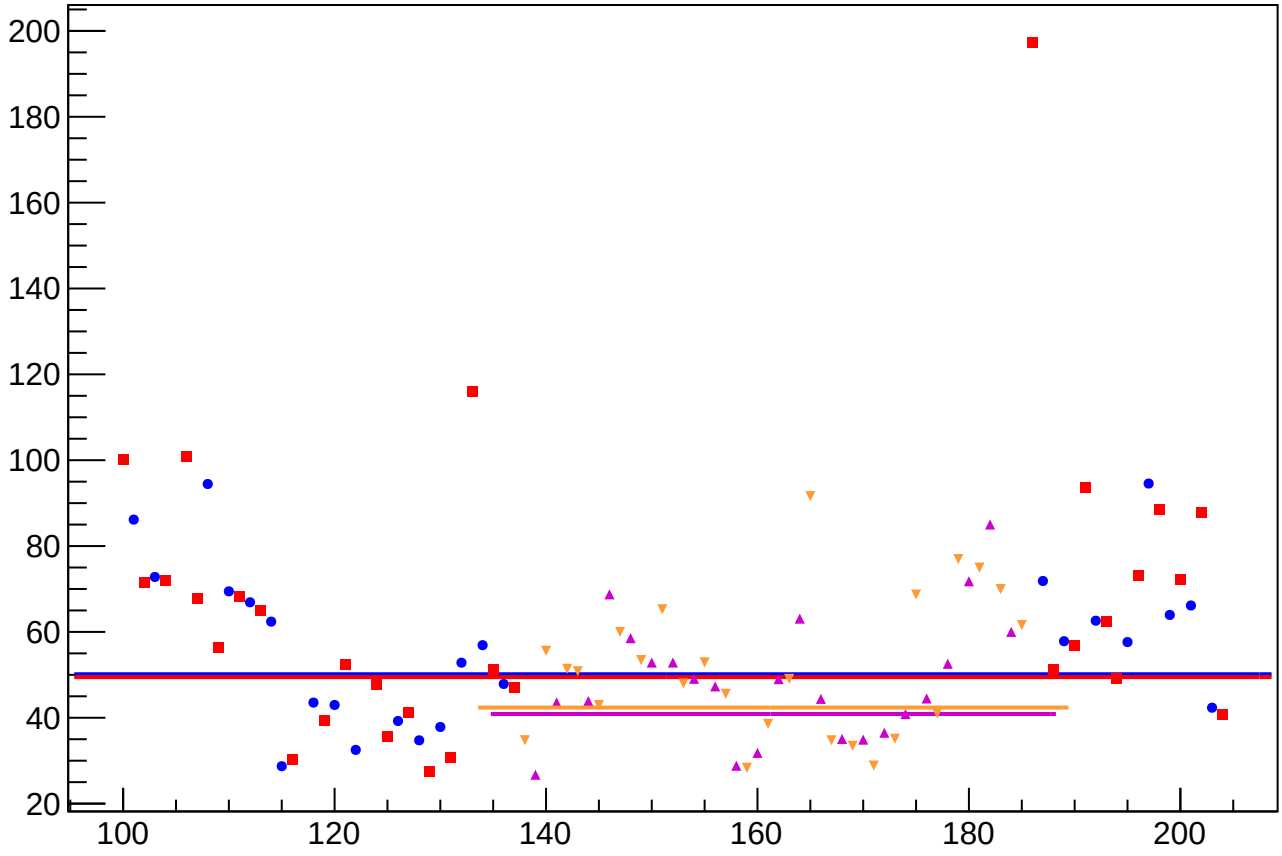
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 66.8/48

All: 0.009+/-0.006 χ^2/NDF: 120.6/101

- sign 0.002+/-0.008 χ^2/NDF: 52.3/52

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 50.137+/-0.011 χ^2/NDF: 2086228.2/23

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 49.466+/-0.010 χ^2/NDF: 3465790.0/29

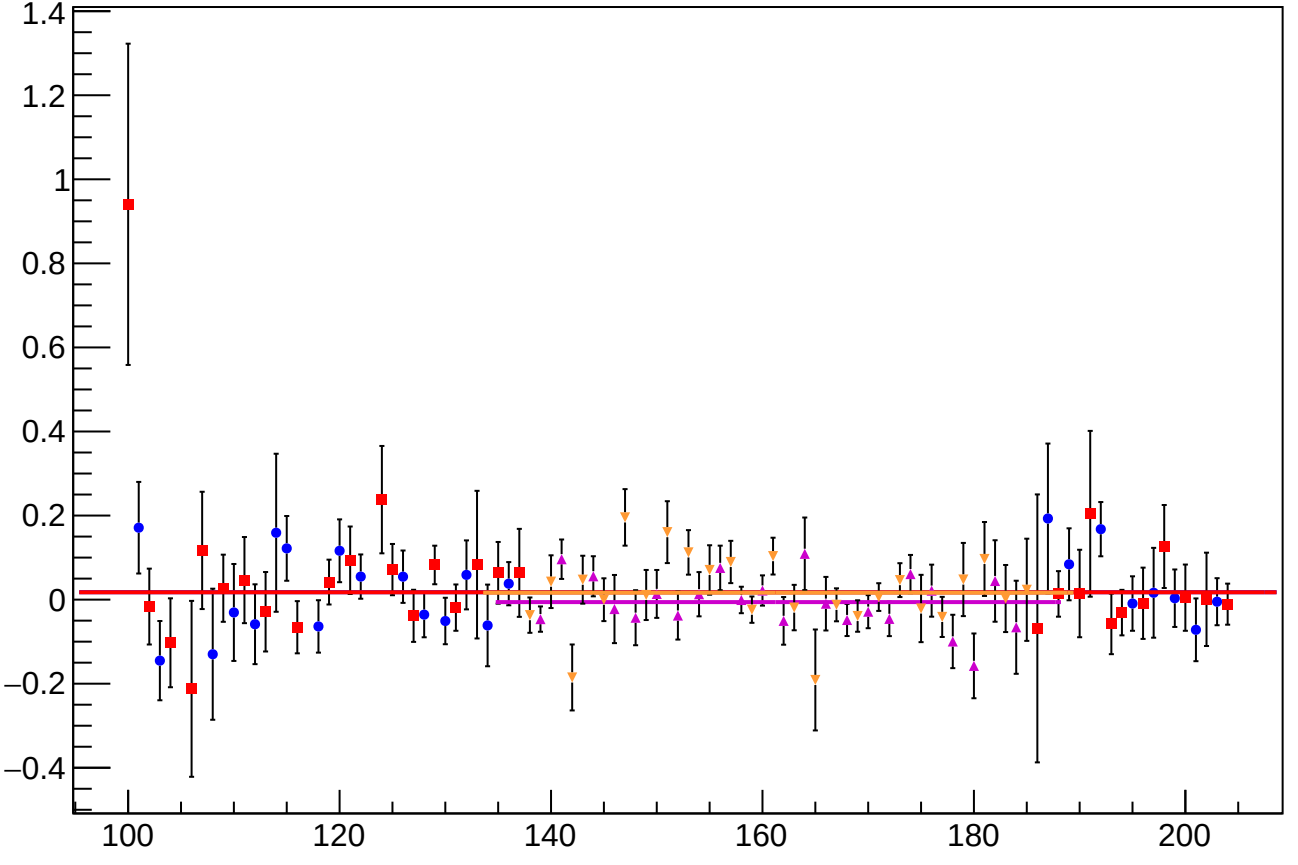
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.871+/-0.006 χ^2/NDF: 5639072.0/48

All: 44.354+/-0.004 χ^2/NDF: 12281790.9/101

- sign 43.862+/-0.006 χ^2/NDF: 6628347.1/52

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018+/-0.015 χ^2/NDF: 25.7/23

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

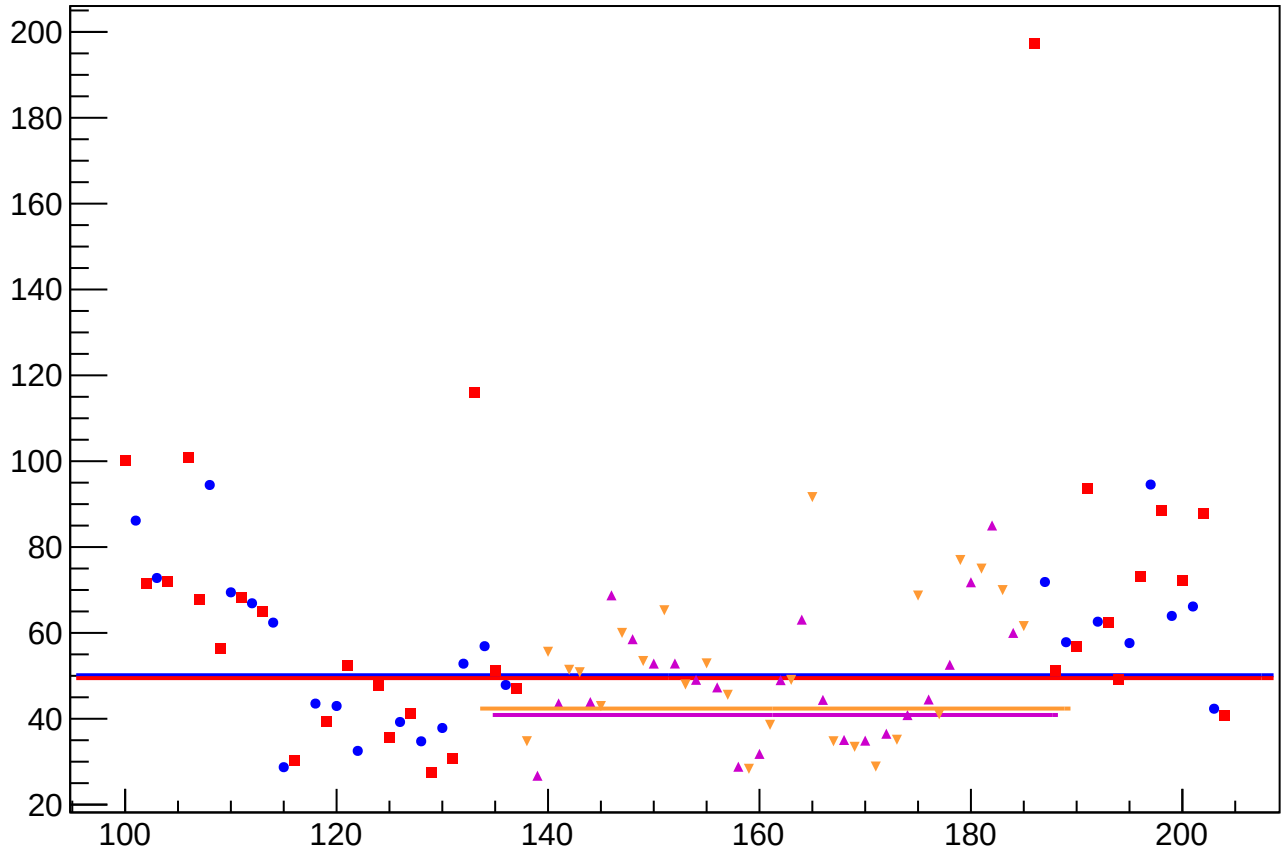
Right Out: 0.017+/-0.014 χ^2/NDF: 24.5/29

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 66.8/48

All: 0.009+/-0.006 χ^2/NDF: 120.6/101

- sign 0.002+/-0.008 χ^2/NDF: 52.3/52



Right In: 50.137+/-0.011 χ^2/NDF: 2086228.2/23

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

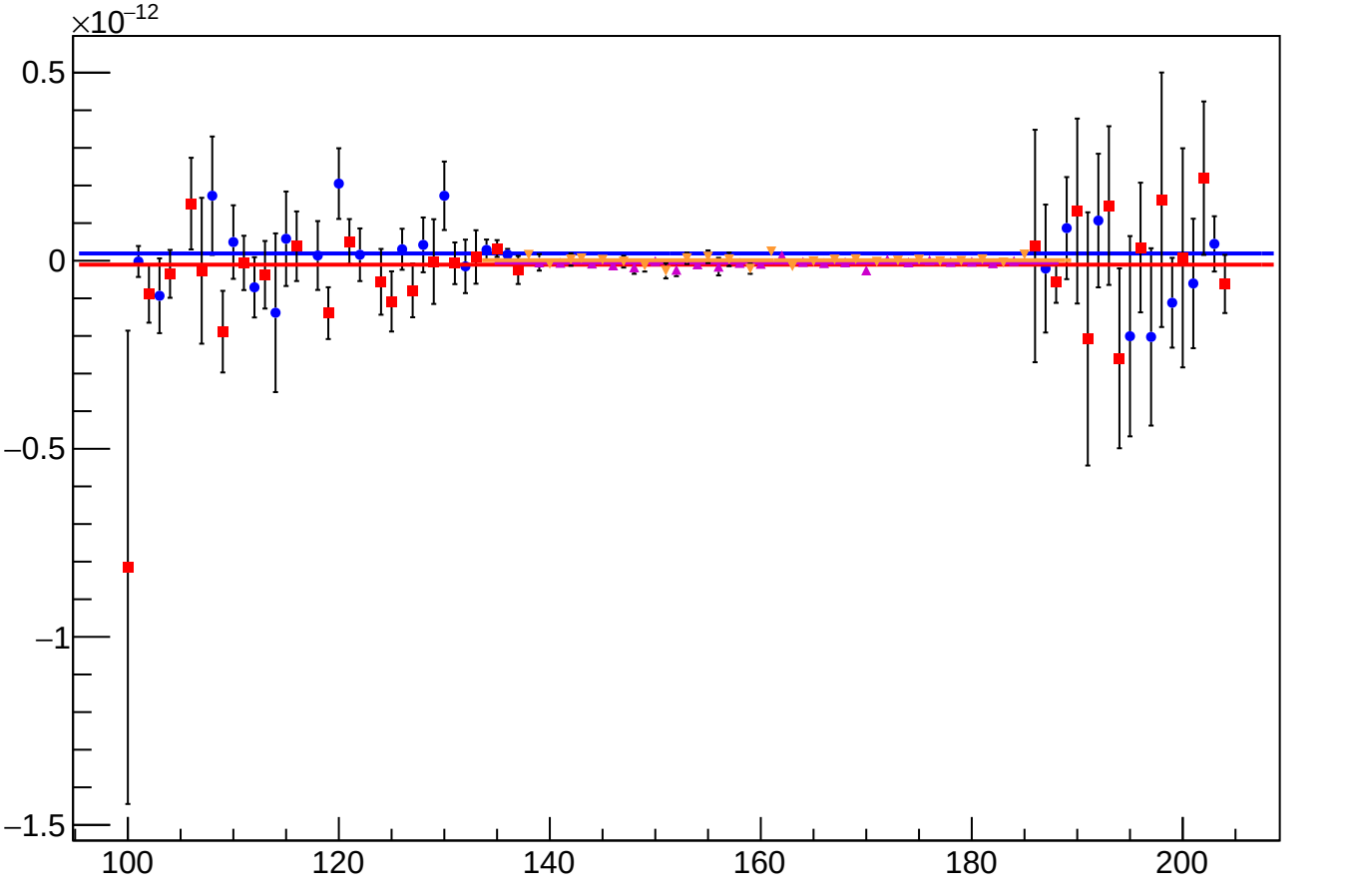
Right Out: 49.466+/-0.010 χ^2/NDF: 3465790.0/29

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.871+/-0.006 χ^2/NDF: 5639072.0/48

All: 44.354+/-0.004 χ^2/NDF: 12281790.9/101

- sign 43.862+/-0.006 χ^2/NDF: 6628347.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 15.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

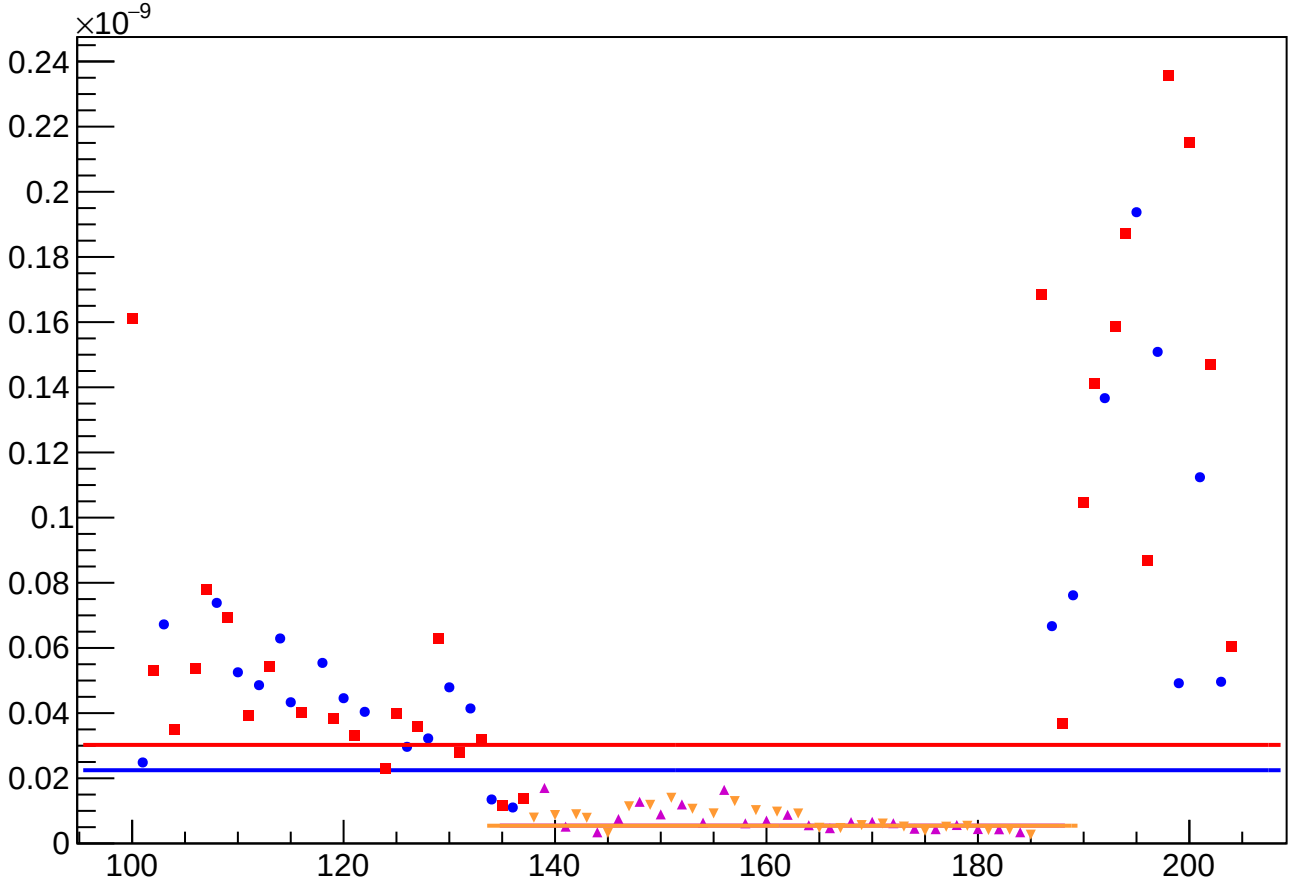
Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/29

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.7/48

All: -0.000+/-0.000 χ^2/NDF: 83.2/101

- sign -0.000+/-0.000 χ^2/NDF: 37.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 6984948.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8095555.3/29

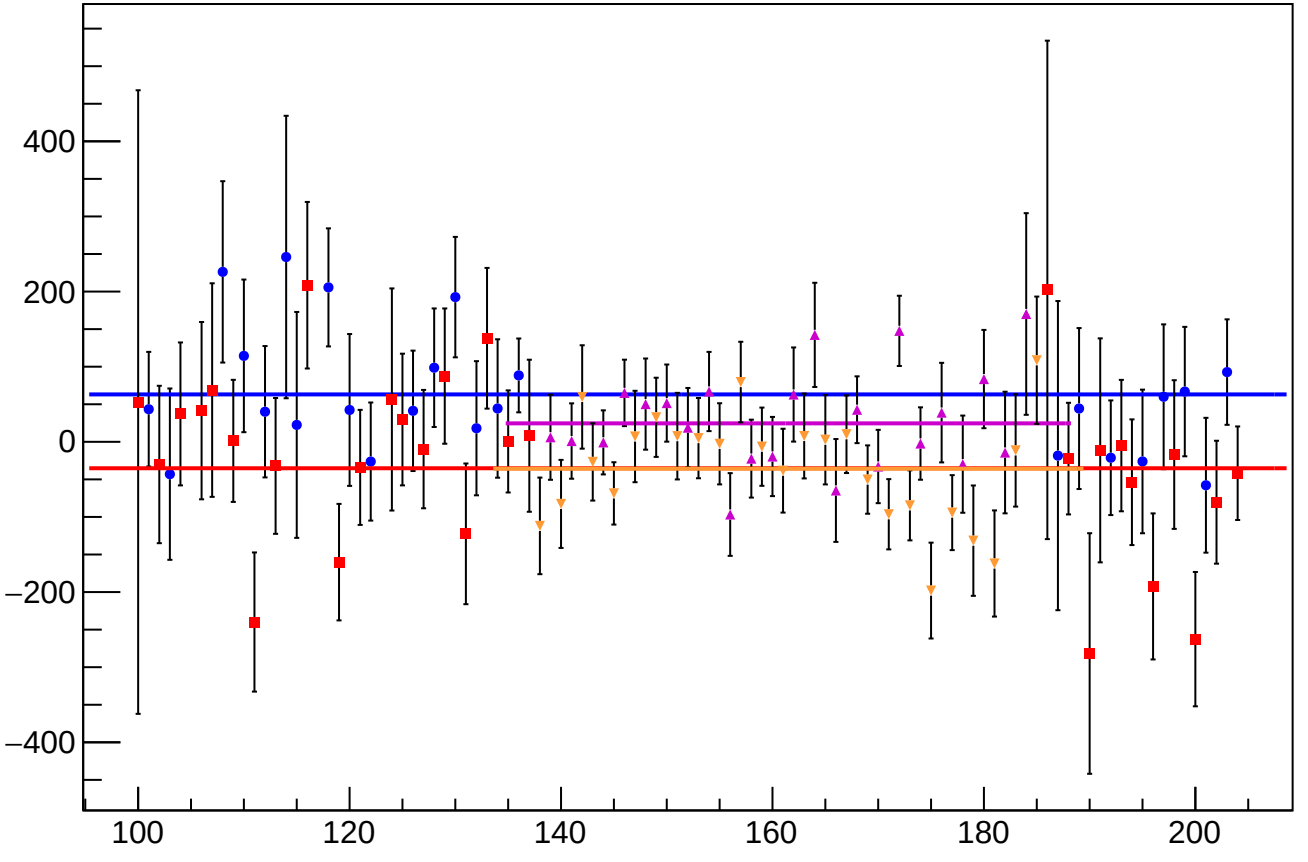
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 15552384.2/48

All: 0.000+/-0.000 χ^2/NDF: 33646899.3/101

- sign 0.000+/-0.000 χ^2/NDF: 18092508.5/52

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 63.104+/-17.874 χ^2/NDF: 16.4/23

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -35.186+/-17.079 χ^2/NDF: 34.3/29

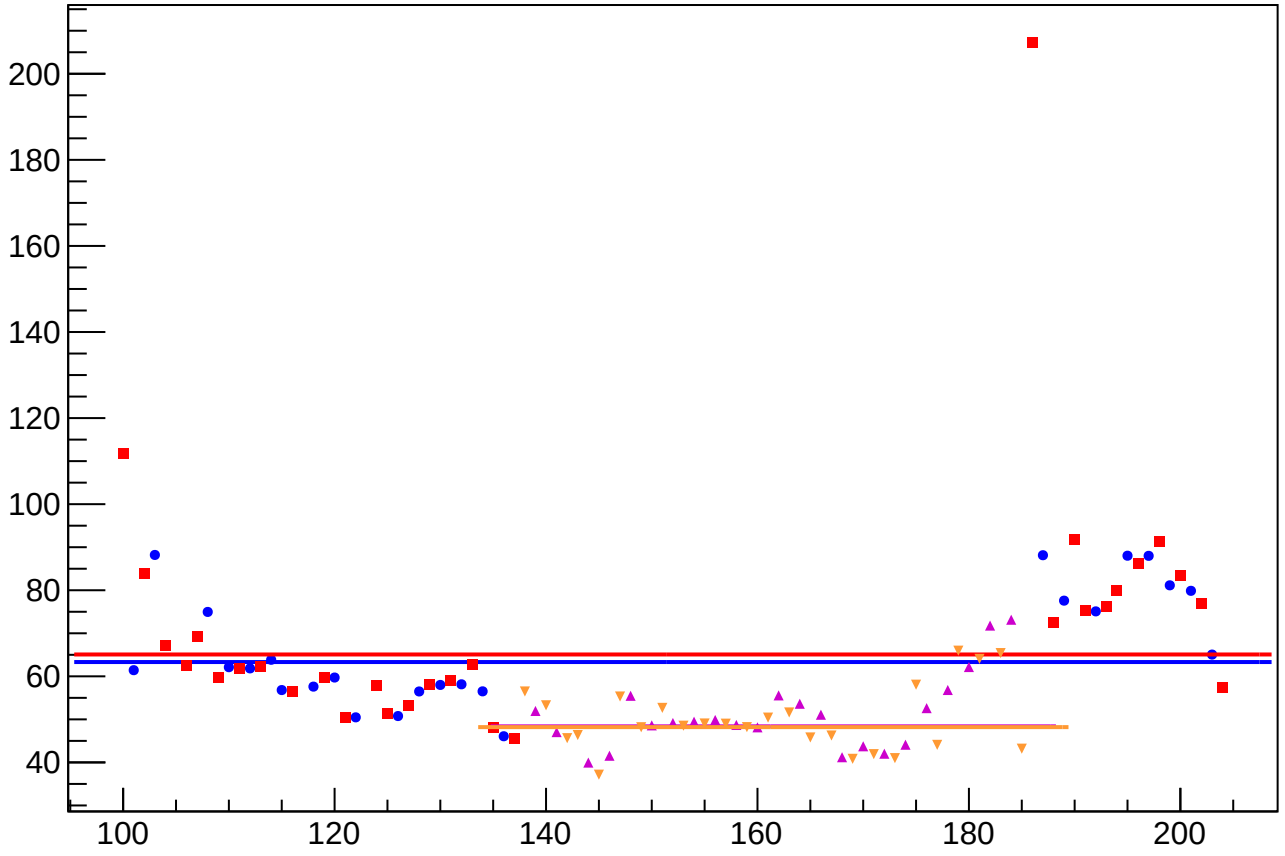
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

\+ sign -8.195+/-9.442 χ^2/NDF: 72.2/48

All: -1.161+/-6.705 χ^2/NDF: 141.8/101

\- sign 5.994+/-9.522 χ^2/NDF: 68.5/52

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 63.320+/-0.013 χ^2/NDF: 1054622.8/23

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

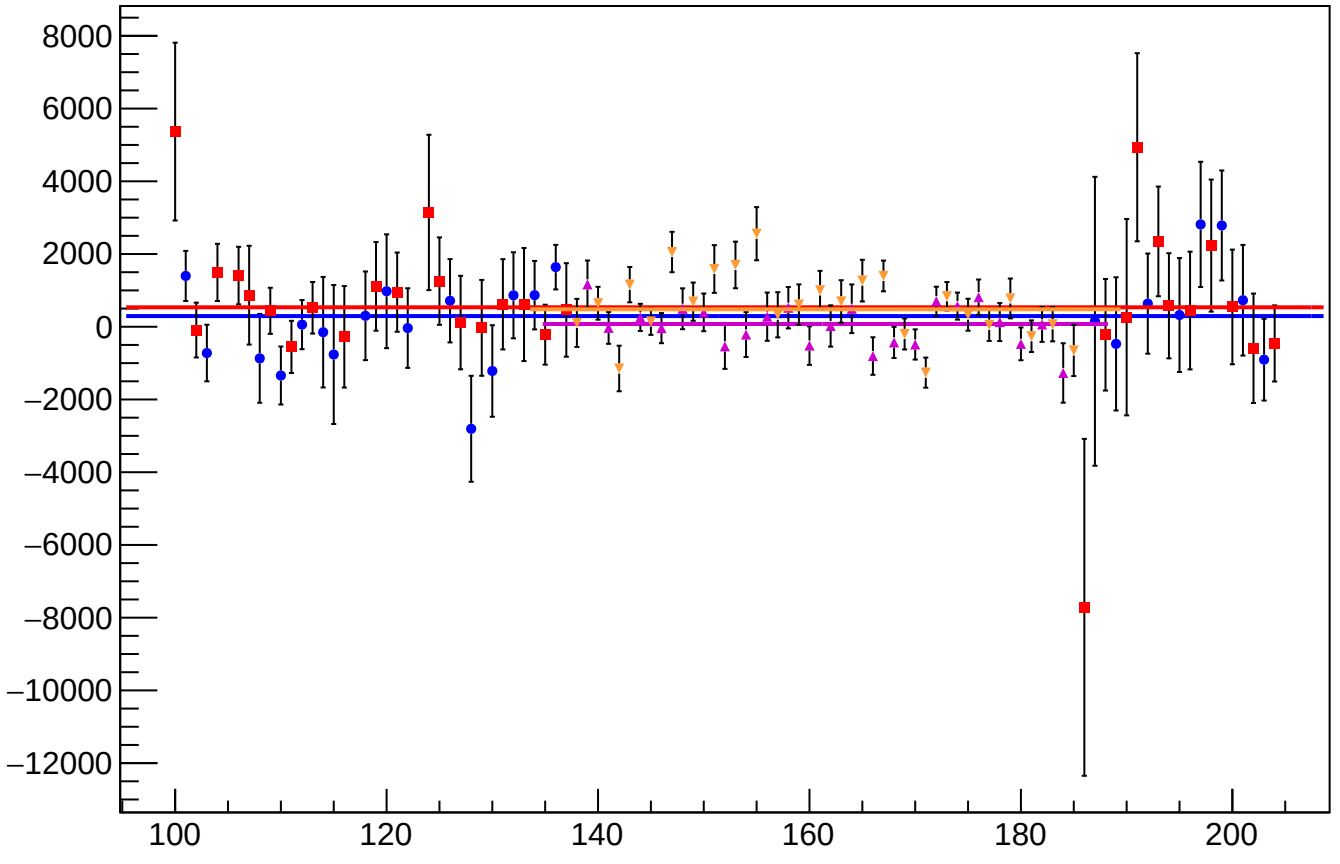
Right Out: 65.078+/-0.012 χ^2/NDF: 1458444.4/29

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.417+/-0.007 χ^2/NDF: 2866915.7/48

All: 52.989+/-0.005 χ^2/NDF: 6352874.8/101

- sign 53.571+/-0.007 χ^2/NDF: 3471151.1/52



Right In: 293.613+/-220.979 χ^2/NDF: 28.0/23

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 535.036+/-206.357 χ^2/NDF: 23.5/29

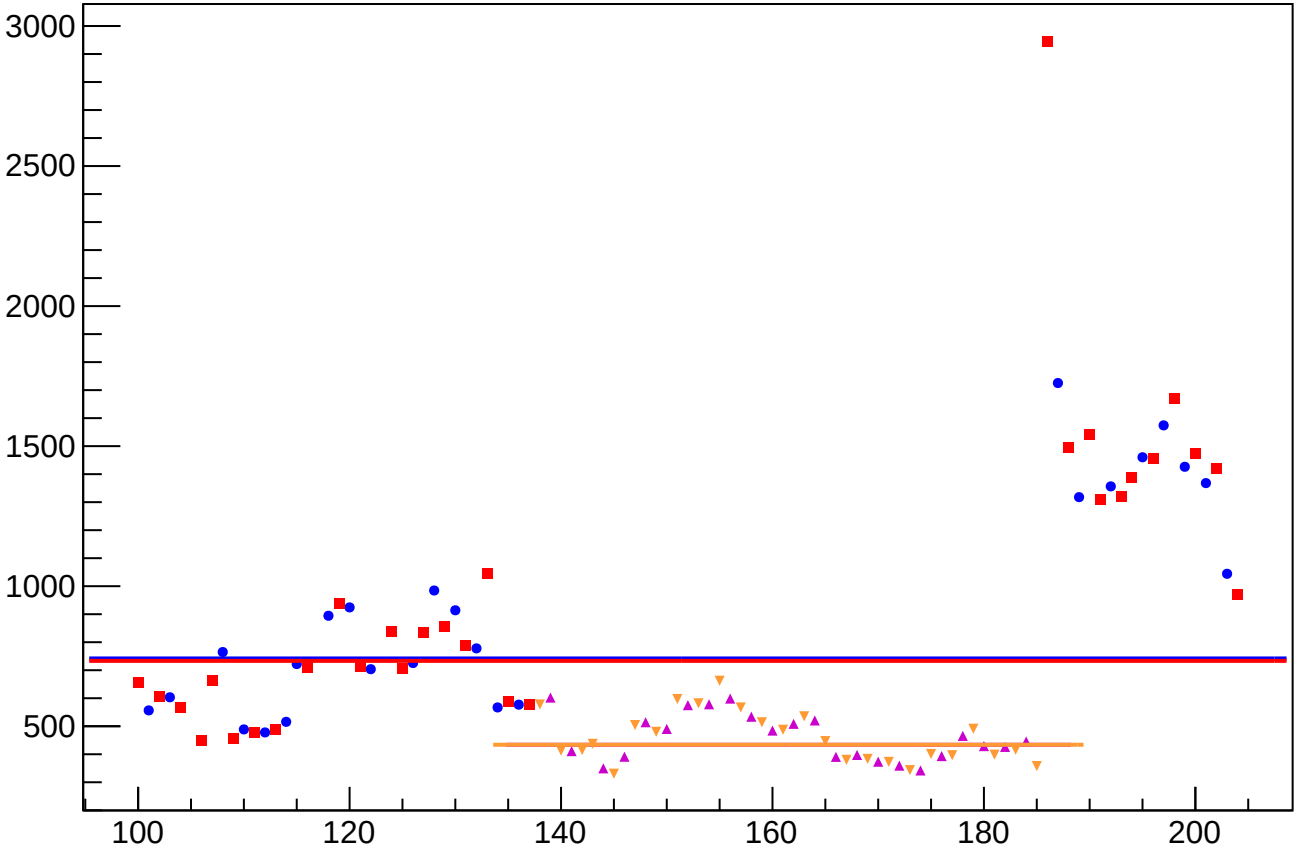
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 448.220+/-91.503 χ^2/NDF: 97.8/48

All: 308.984+/-64.965 χ^2/NDF: 154.4/101

- sign 167.465+/-92.250 χ^2/NDF: 51.9/52

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 741.988+/-0.156 χ^2/NDF: 3629628.7/23

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 733.437+/-0.146 χ^2/NDF: 5389698.5/29

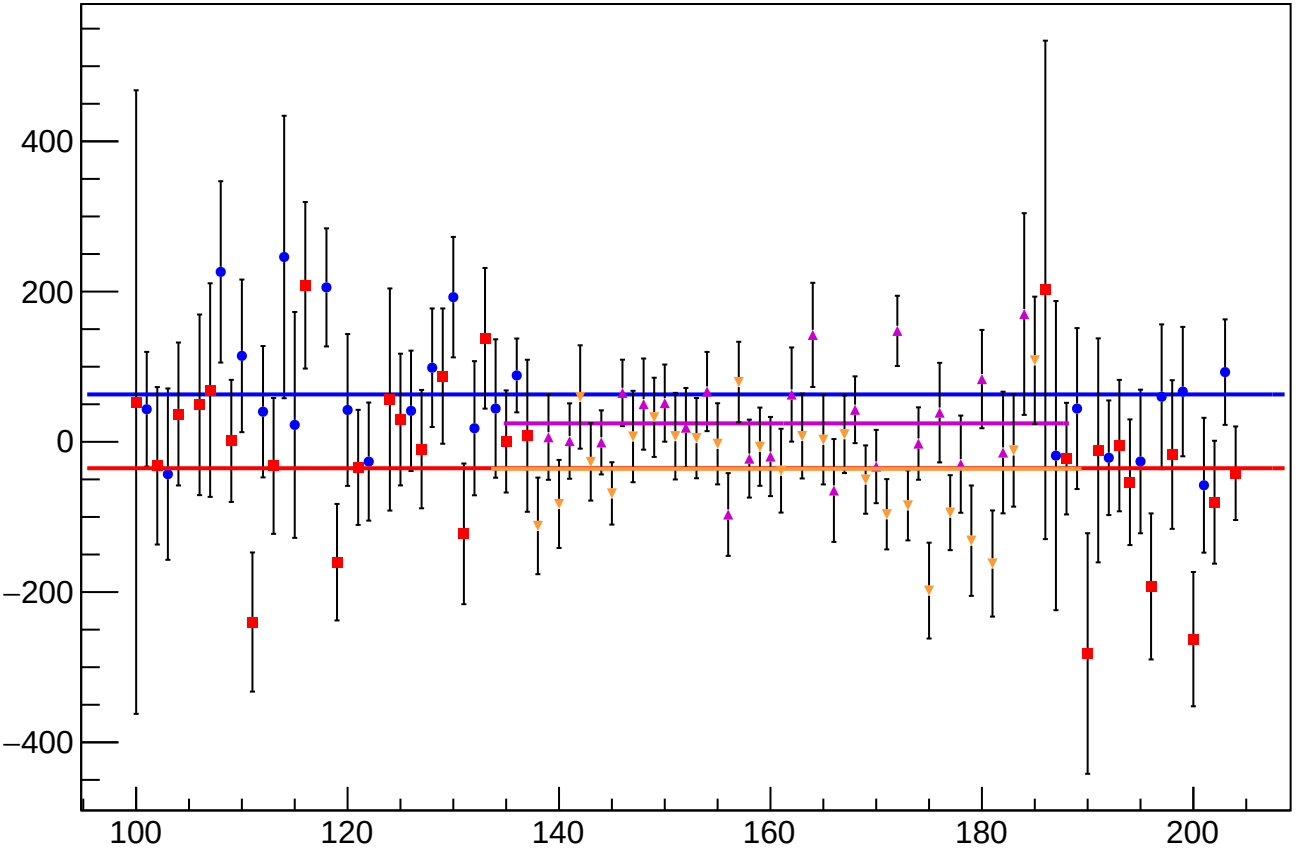
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 486.763+/-0.065 χ^2/NDF: 8093400.4/48

All: 490.162+/-0.046 χ^2/NDF: 17959294.0/10

- sign 493.618+/-0.065 χ^2/NDF: 9860326.3/52

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 63.107+/-17.874 χ^2/NDF: 16.5/23

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -35.134+/-17.085 χ^2/NDF: 34.3/29

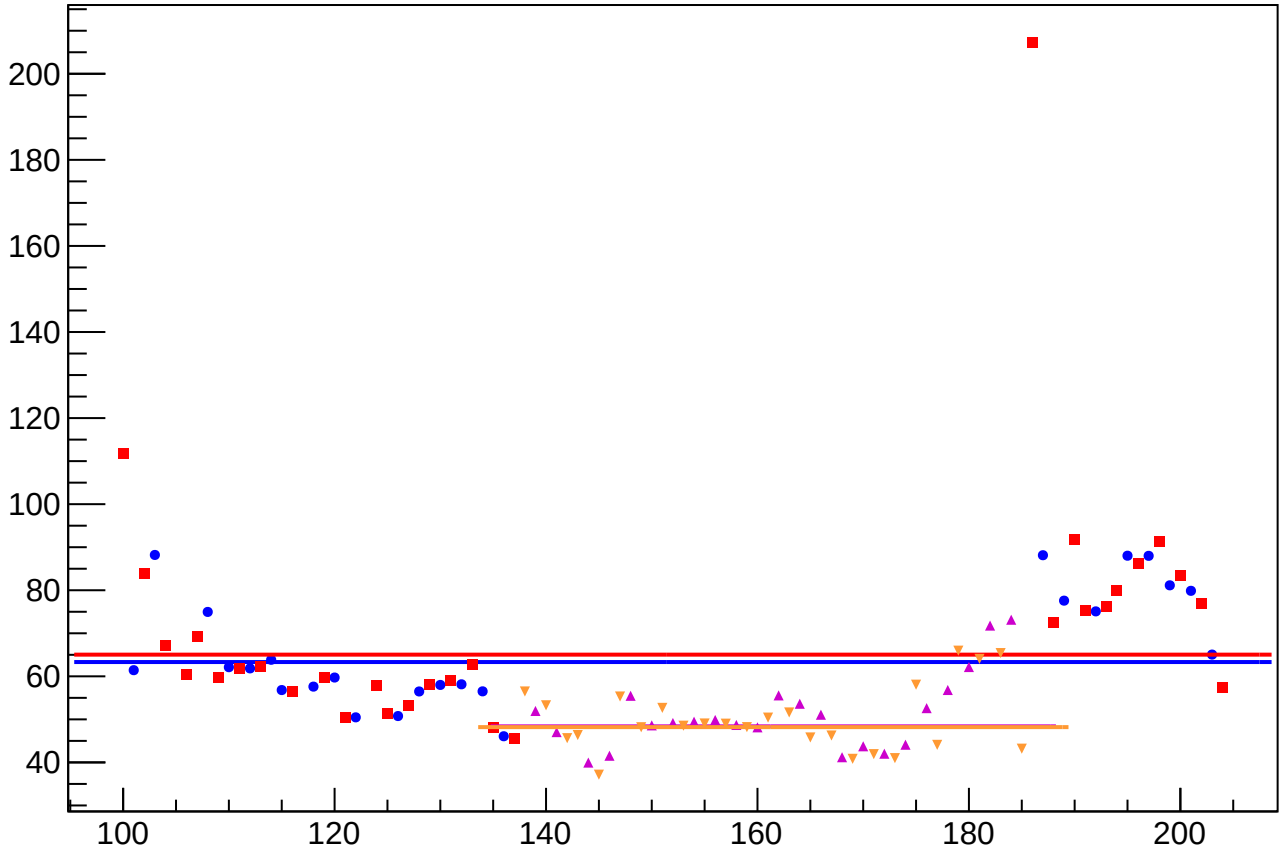
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

\+ sign -8.198+/-9.442 χ^2/NDF: 72.2/48

All: -1.150+/-6.705 χ^2/NDF: 141.8/101

\- sign 6.021+/-9.524 χ^2/NDF: 68.5/52

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 63.320+/-0.013 χ^2/NDF: 1054626.1/23

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

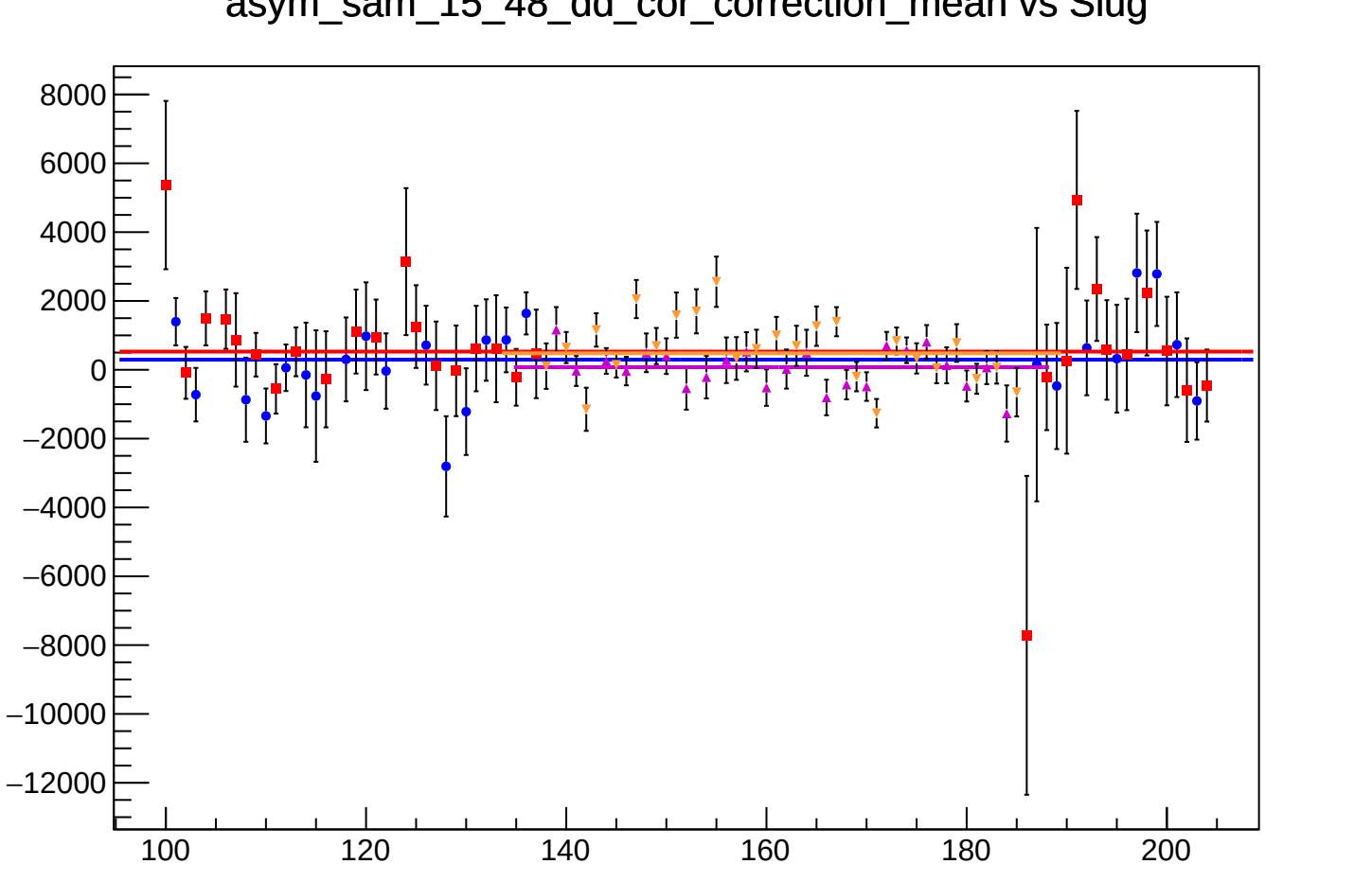
Right Out: 65.039+/-0.012 χ^2/NDF: 1460646.7/29

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.417+/-0.007 χ^2/NDF: 2866919.7/48

All: 52.982+/-0.005 χ^2/NDF: 6347891.7/101

- sign 53.556+/-0.007 χ^2/NDF: 3466544.1/52



Right In: 293.644+/-220.980 χ^2/NDF: 28.0/23

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 529.457+/-207.487 χ^2/NDF: 23.4/29

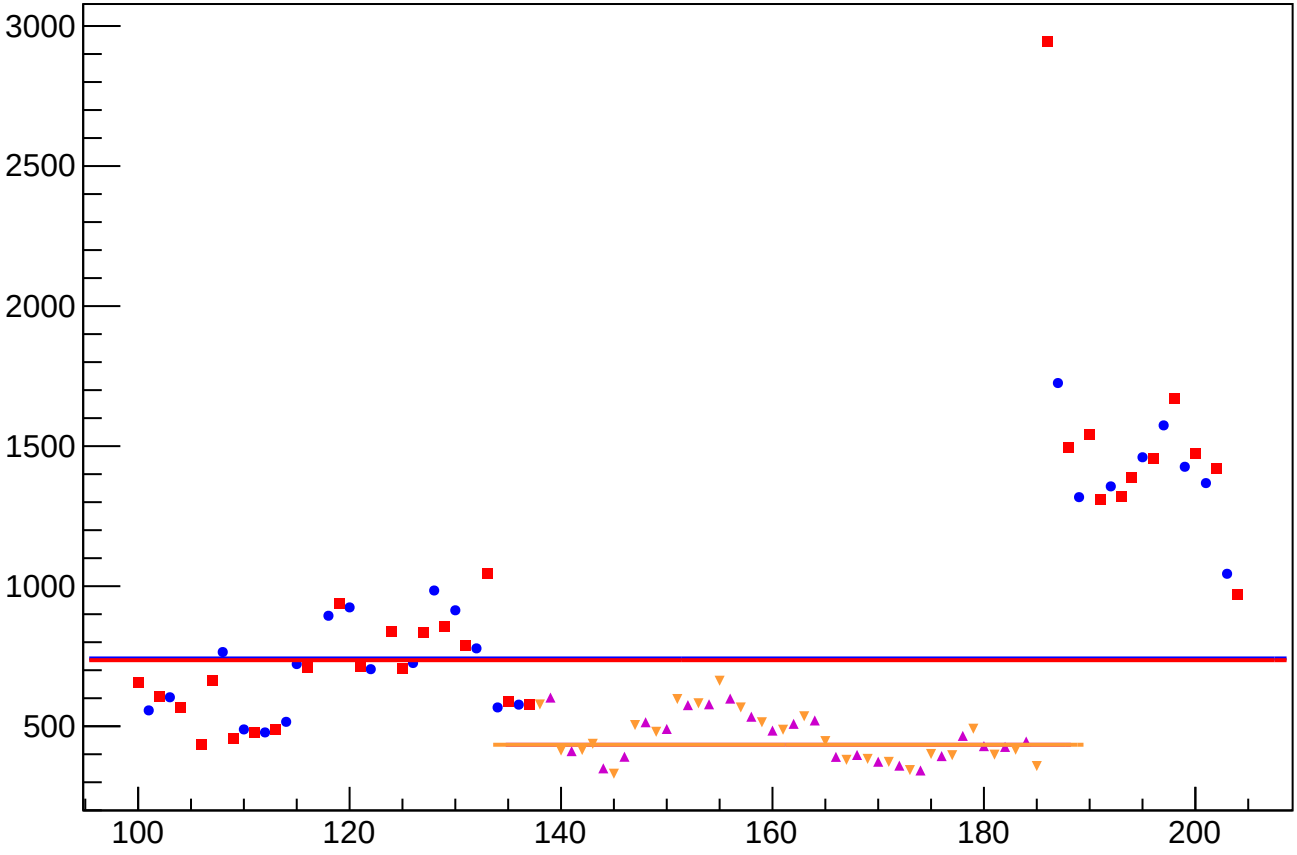
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 448.222+/-91.503 χ^2/NDF: 97.8/48

All: 308.195+/-65.000 χ^2/NDF: 154.3/101

- sign 165.563+/-92.350 χ^2/NDF: 51.7/52

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 741.994+/-0.156 χ^2/NDF: 3629577.8/23

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 735.823+/-0.147 χ^2/NDF: 5368459.0/29

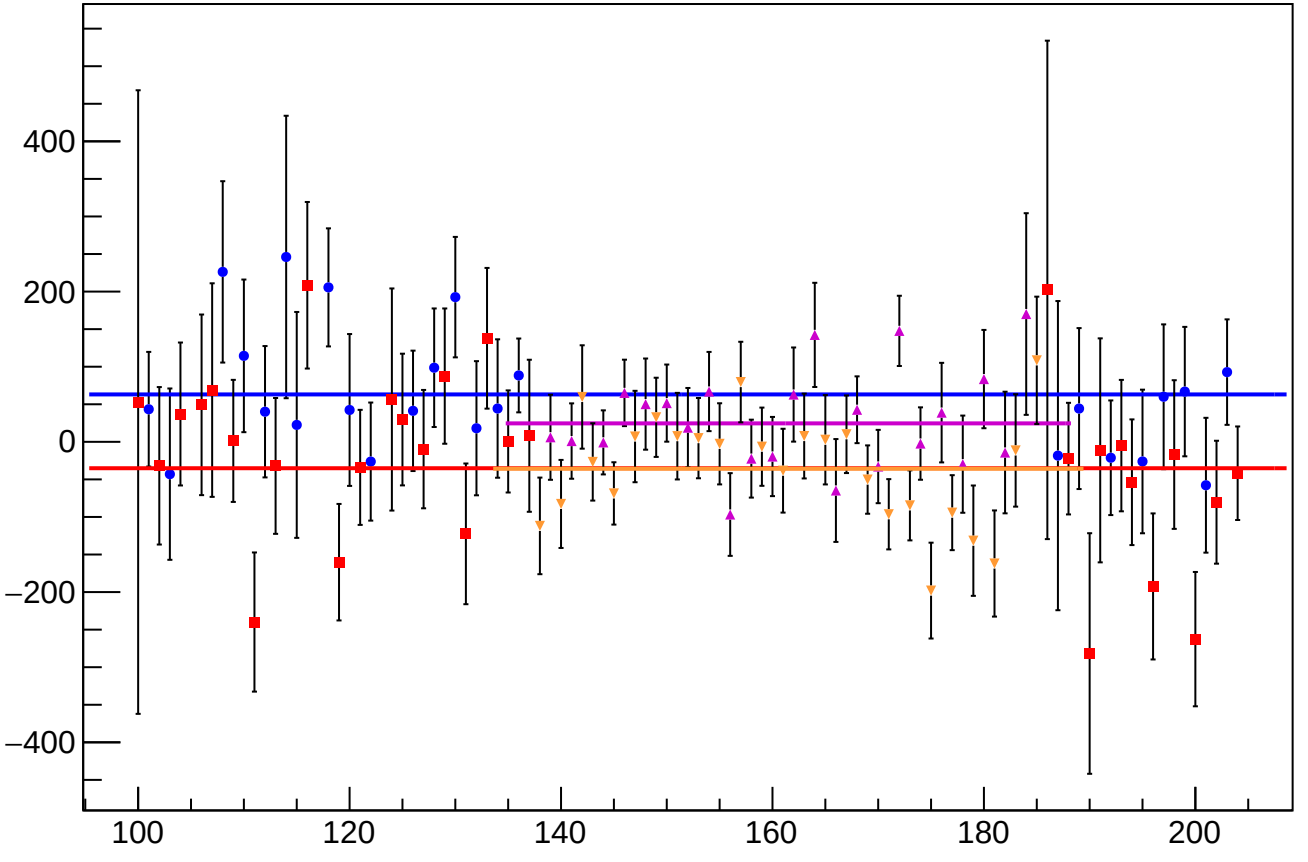
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 486.763+/-0.065 χ^2/NDF: 8093427.1/48

All: 490.135+/-0.046 χ^2/NDF: 17962088.7/10

- sign 493.569+/-0.065 χ^2/NDF: 9863180.0/52

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 63.107+/-17.874 χ^2/NDF: 16.5/23

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -35.134+/-17.085 χ^2/NDF: 34.3/29

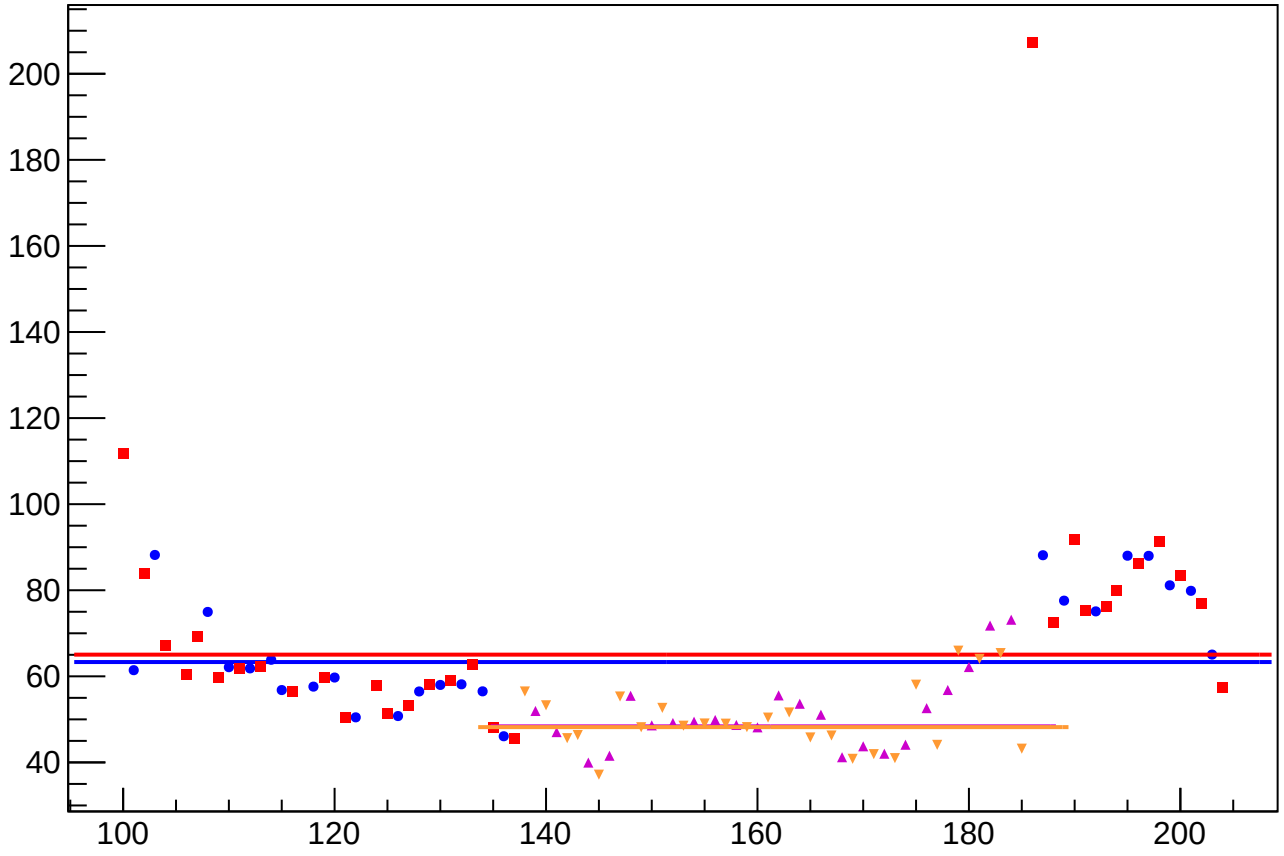
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

\+ sign -8.198+/-9.442 χ^2/NDF: 72.2/48

All: -1.150+/-6.705 χ^2/NDF: 141.8/101

\- sign 6.021+/-9.524 χ^2/NDF: 68.5/52

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 63.320+/-0.013 χ^2/NDF: 1054626.1/23

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

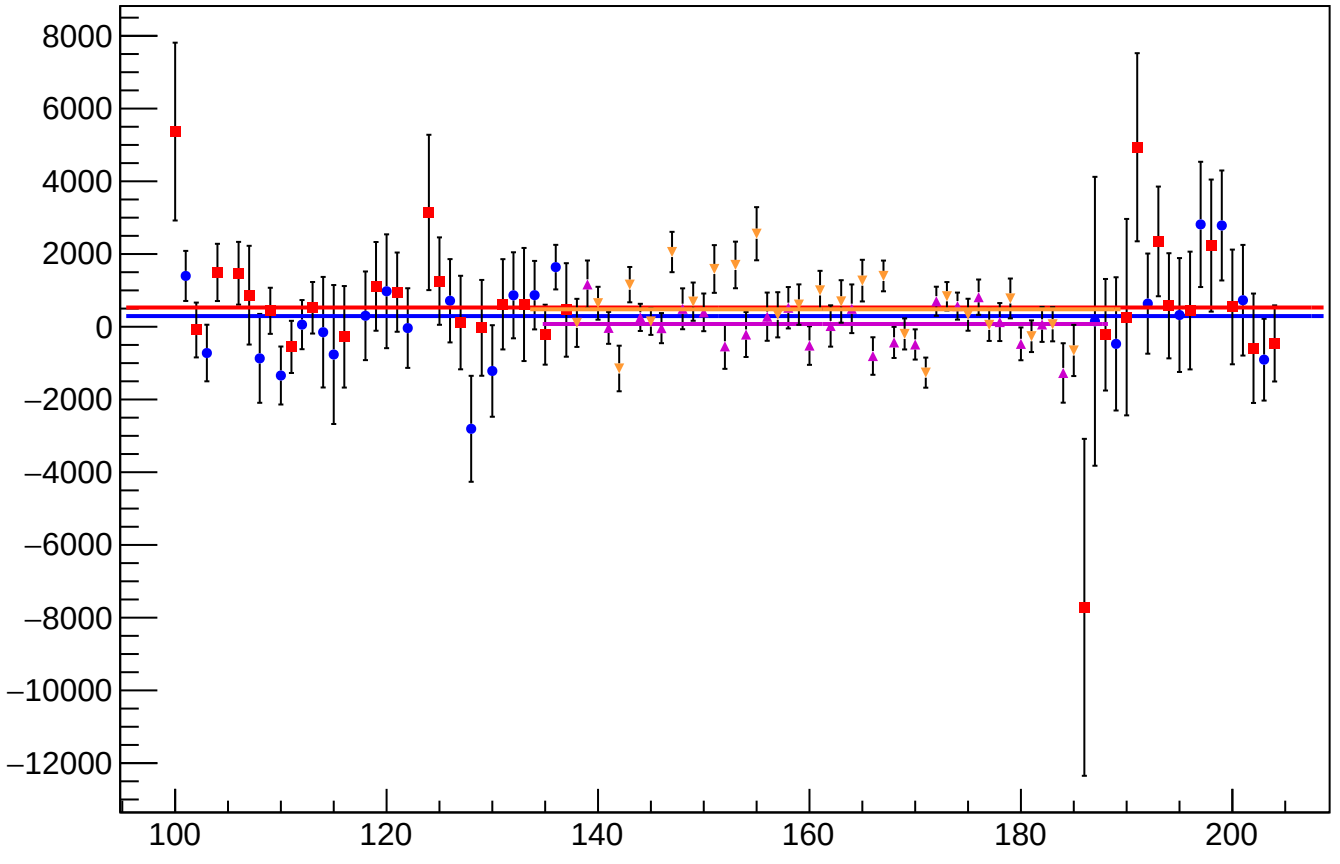
Right Out: 65.039+/-0.012 χ^2/NDF: 1460646.7/29

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.417+/-0.007 χ^2/NDF: 2866919.7/48

All: 52.982+/-0.005 χ^2/NDF: 6347891.7/101

- sign 53.556+/-0.007 χ^2/NDF: 3466544.1/52



Right In: 293.644+/-220.980 χ^2/NDF: 28.0/23

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 529.457+/-207.487 χ^2/NDF: 23.4/29

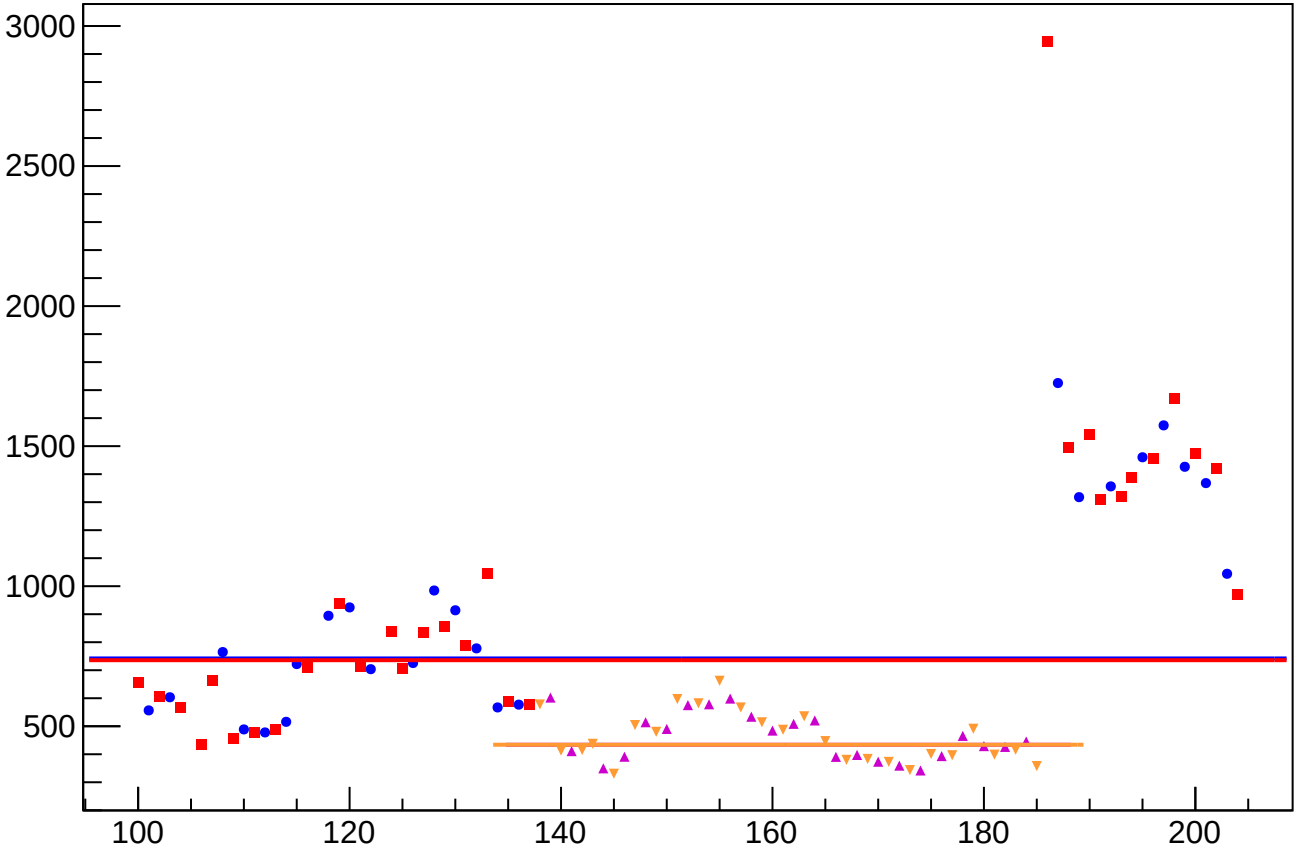
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 448.222+/-91.503 χ^2/NDF: 97.8/48

All: 308.195+/-65.000 χ^2/NDF: 154.3/101

- sign 165.563+/-92.350 χ^2/NDF: 51.7/52

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug



Right In: 741.994+/-0.156 χ^2/NDF: 3629577.8/23

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 735.823+/-0.147 χ^2/NDF: 5368459.0/29

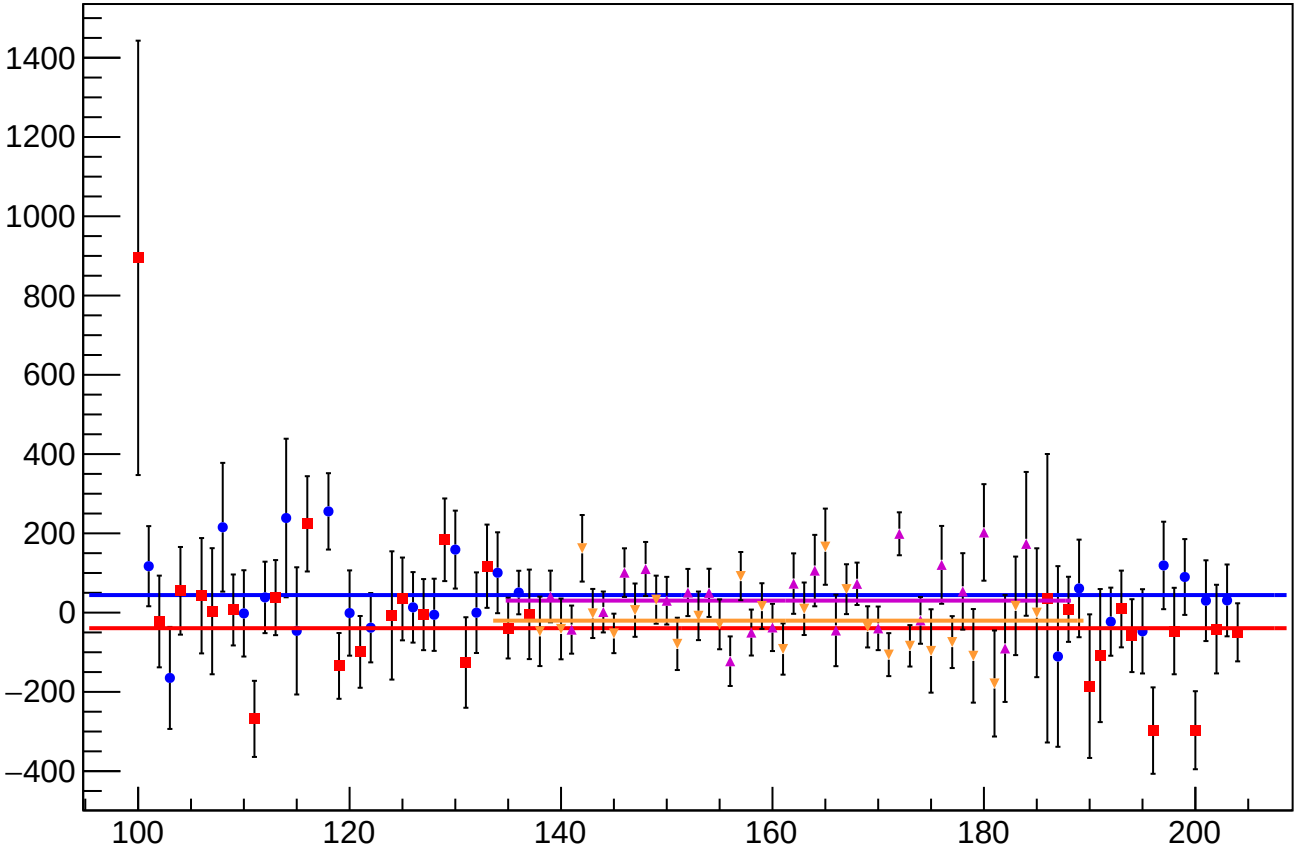
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 486.763+/-0.065 χ^2/NDF: 8093427.1/48

All: 490.135+/-0.046 χ^2/NDF: 17962088.7/10

- sign 493.569+/-0.065 χ^2/NDF: 9863180.0/52

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 44.291+/-20.473 χ^2/NDF: 16.4/23

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -39.276+/-19.337 χ^2/NDF: 39.3/29

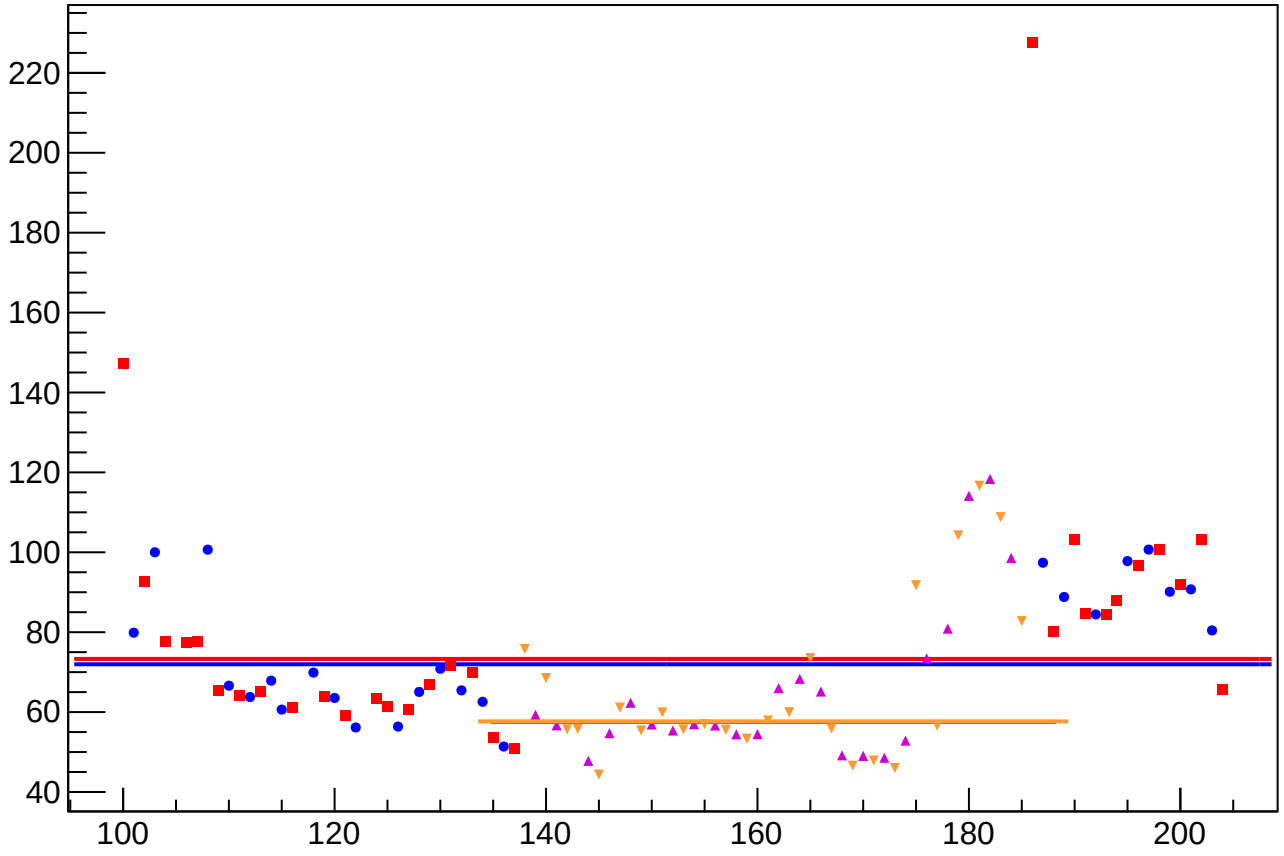
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -0.430+/-11.349 χ^2/NDF: 48.5/48

All: 3.007+/-8.018 χ^2/NDF: 129.1/101

- sign 6.431+/-11.329 χ^2/NDF: 80.4/52

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 71.969+/-0.014 χ^2/NDF: 1175350.3/23

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 73.311+/-0.014 χ^2/NDF: 1503576.6/29

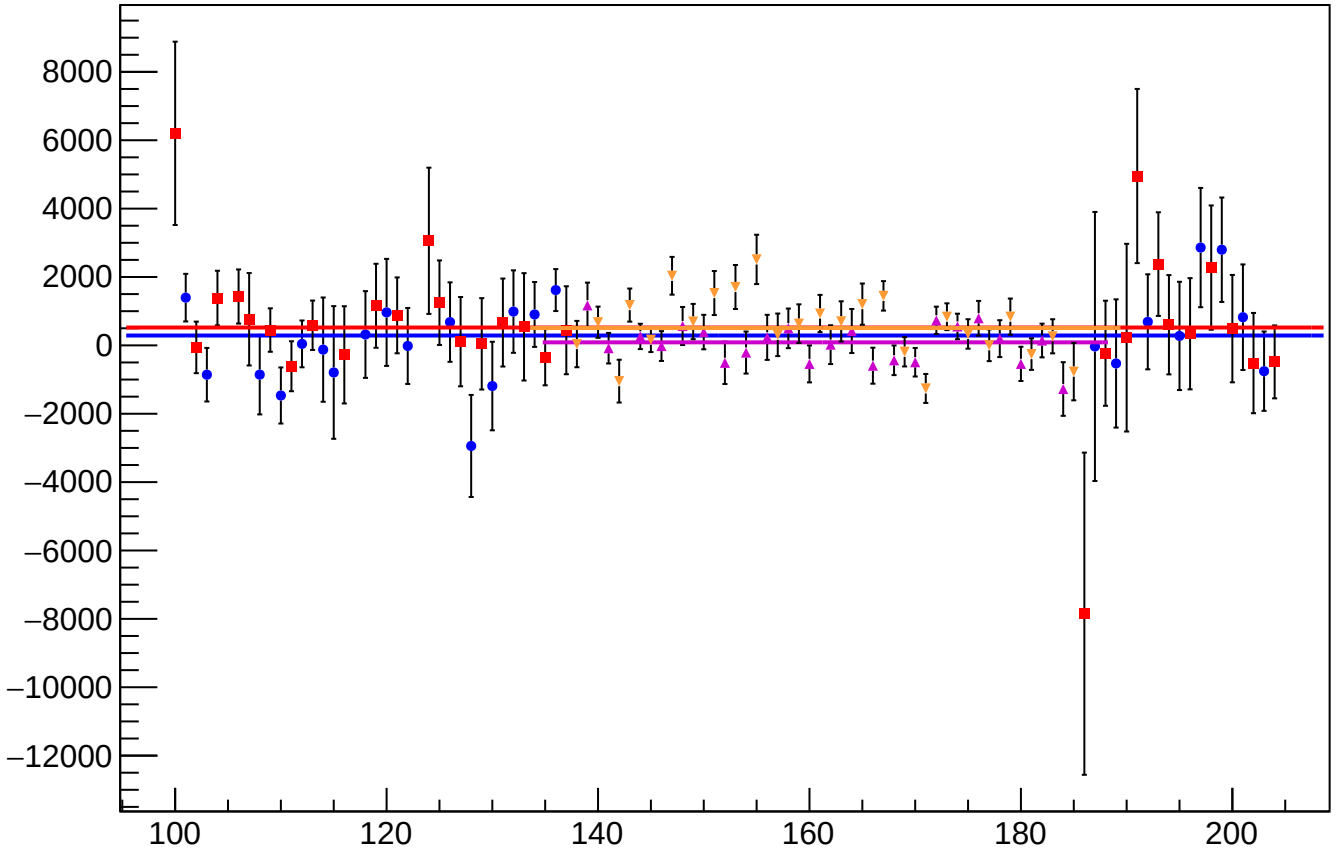
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 62.063+/-0.008 χ^2/NDF: 3761064.9/48

All: 62.509+/-0.006 χ^2/NDF: 7587865.4/101

- sign 62.953+/-0.008 χ^2/NDF: 3820644.1/52

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 288.450+/-223.556 χ^2/NDF: 28.6/23

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 522.102+/-208.285 χ^2/NDF: 24.1/29

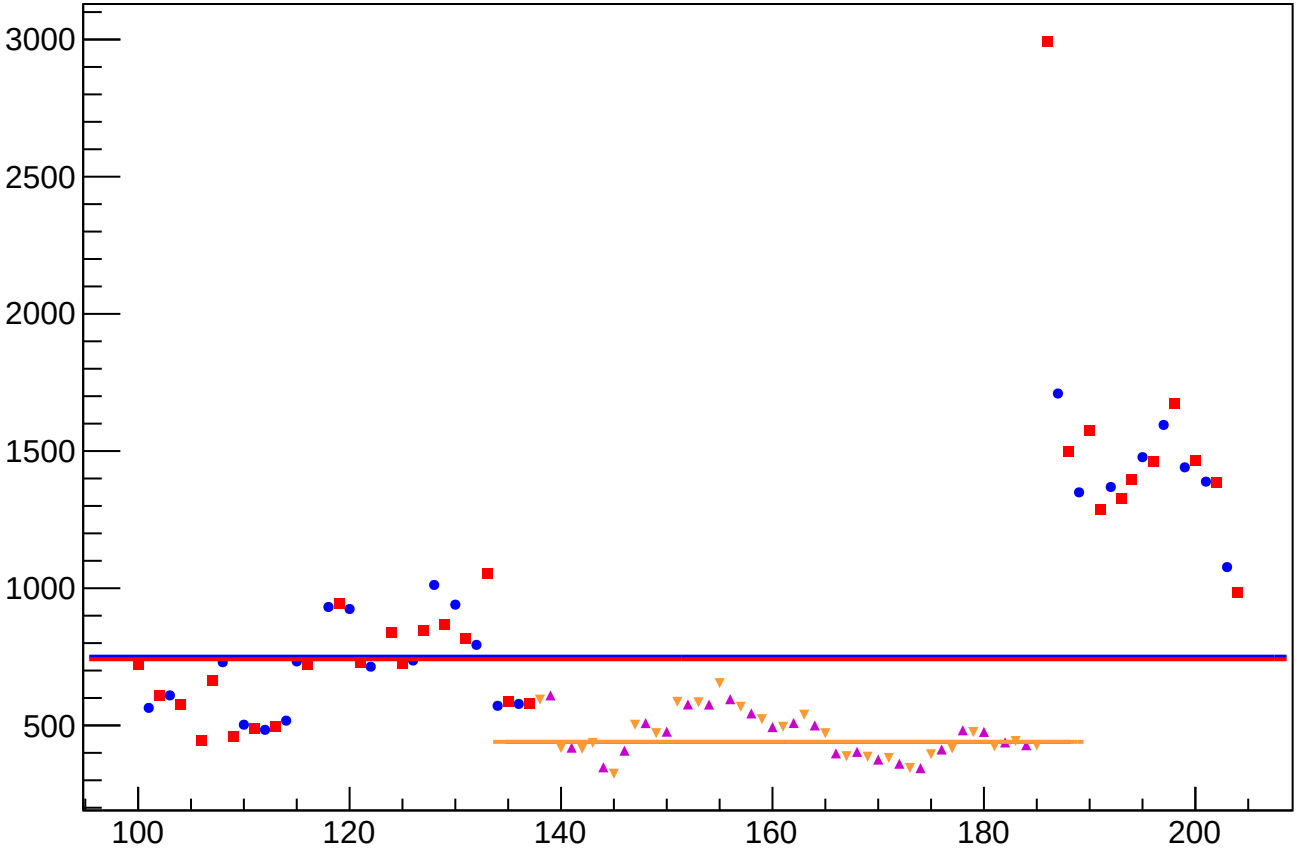
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 469.621+/-92.629 χ^2/NDF: 95.2/48

All: 323.946+/-65.781 χ^2/NDF: 151.1/101

- sign 175.730+/-93.433 χ^2/NDF: 50.8/52

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 750.597+/-0.158 χ^2/NDF: 3663066.4/23

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 741.131+/-0.147 χ^2/NDF: 5340032.9/29

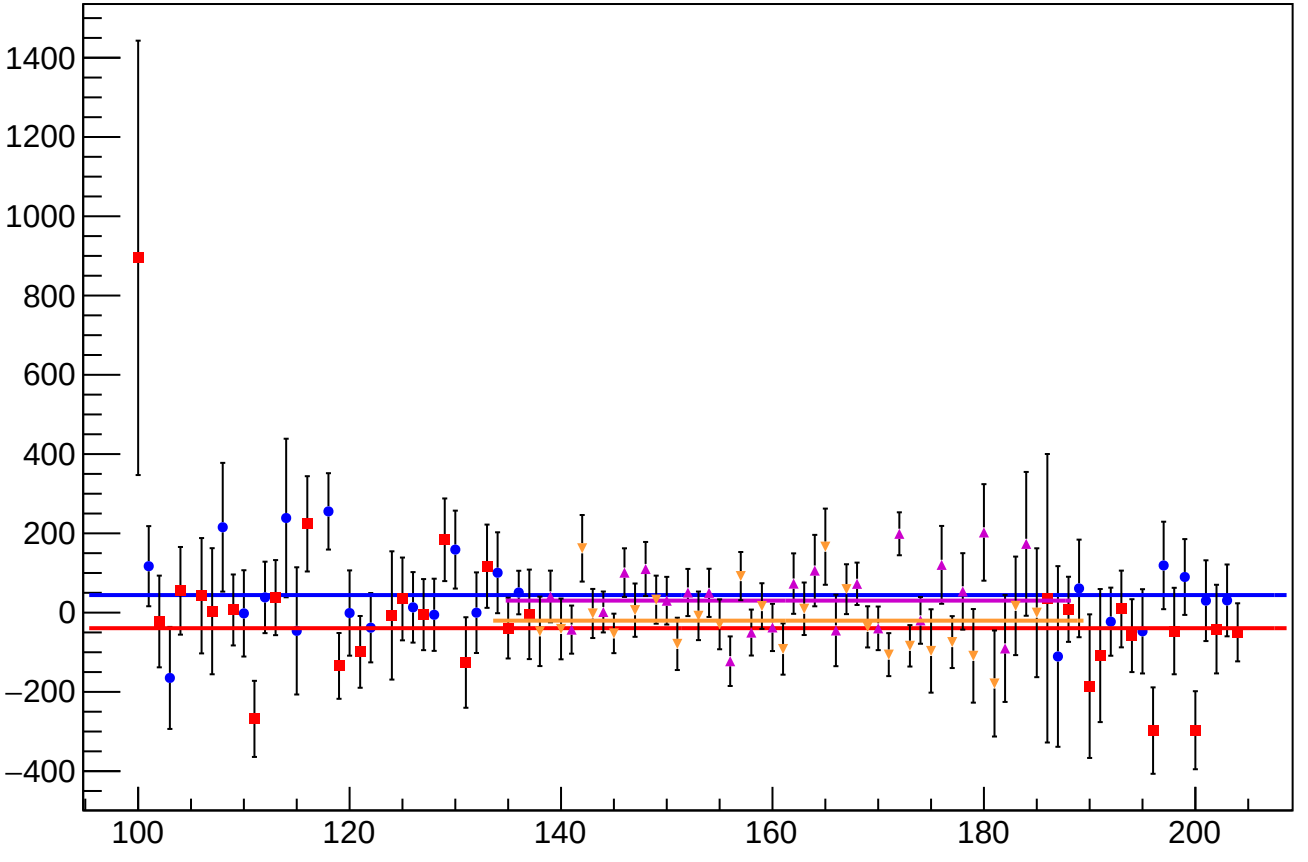
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 493.385+/-0.065 χ^2/NDF: 8056287.4/48

All: 496.911+/-0.047 χ^2/NDF: 17806061.5/10

- sign 500.498+/-0.066 χ^2/NDF: 9743929.6/52

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 44.289+/-20.473 χ^2/NDF: 16.4/23

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -39.276+/-19.337 χ^2/NDF: 39.3/29

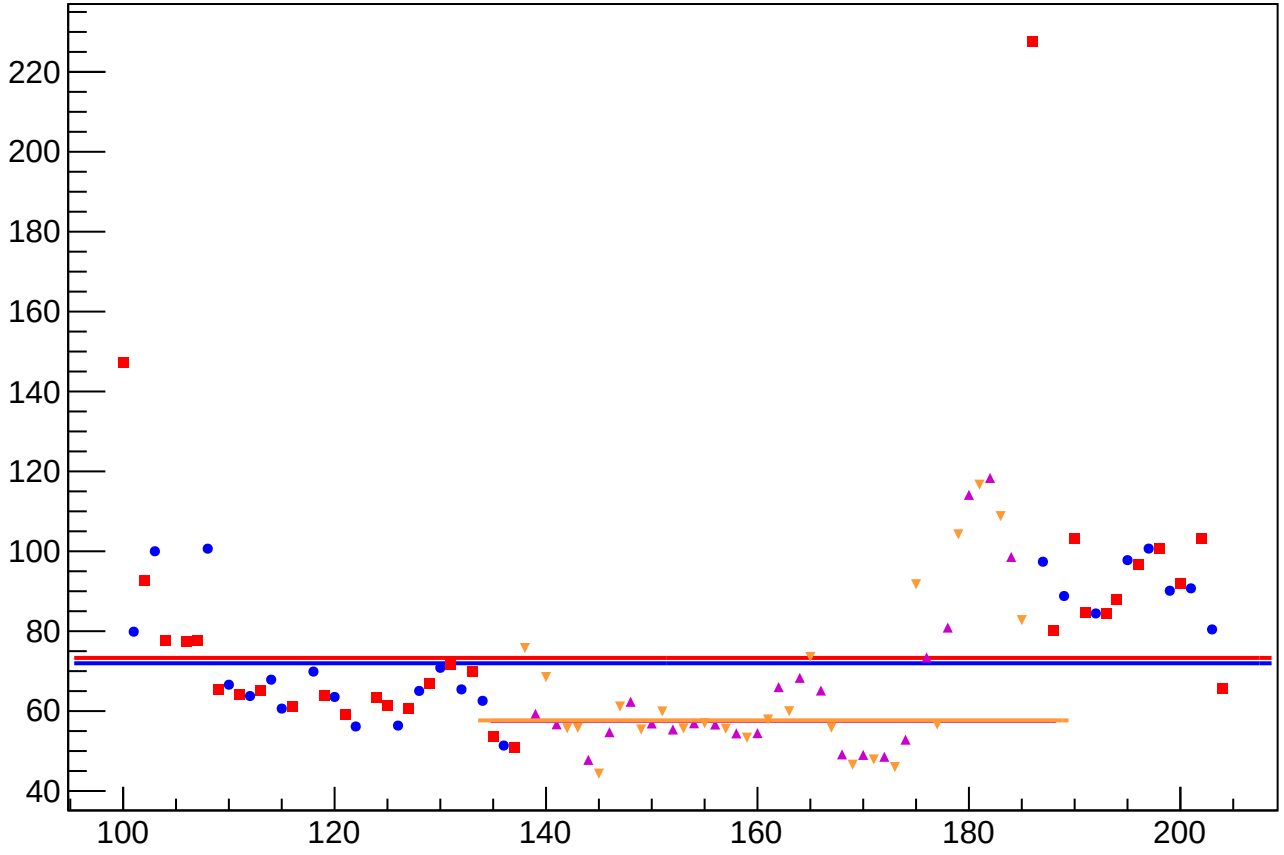
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -0.431+/-11.349 χ^2/NDF: 48.5/48

All: 3.006+/-8.018 χ^2/NDF: 129.1/101

- sign 6.431+/-11.329 χ^2/NDF: 80.4/52

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 71.969+/-0.014 χ^2/NDF: 1175341.4/23

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

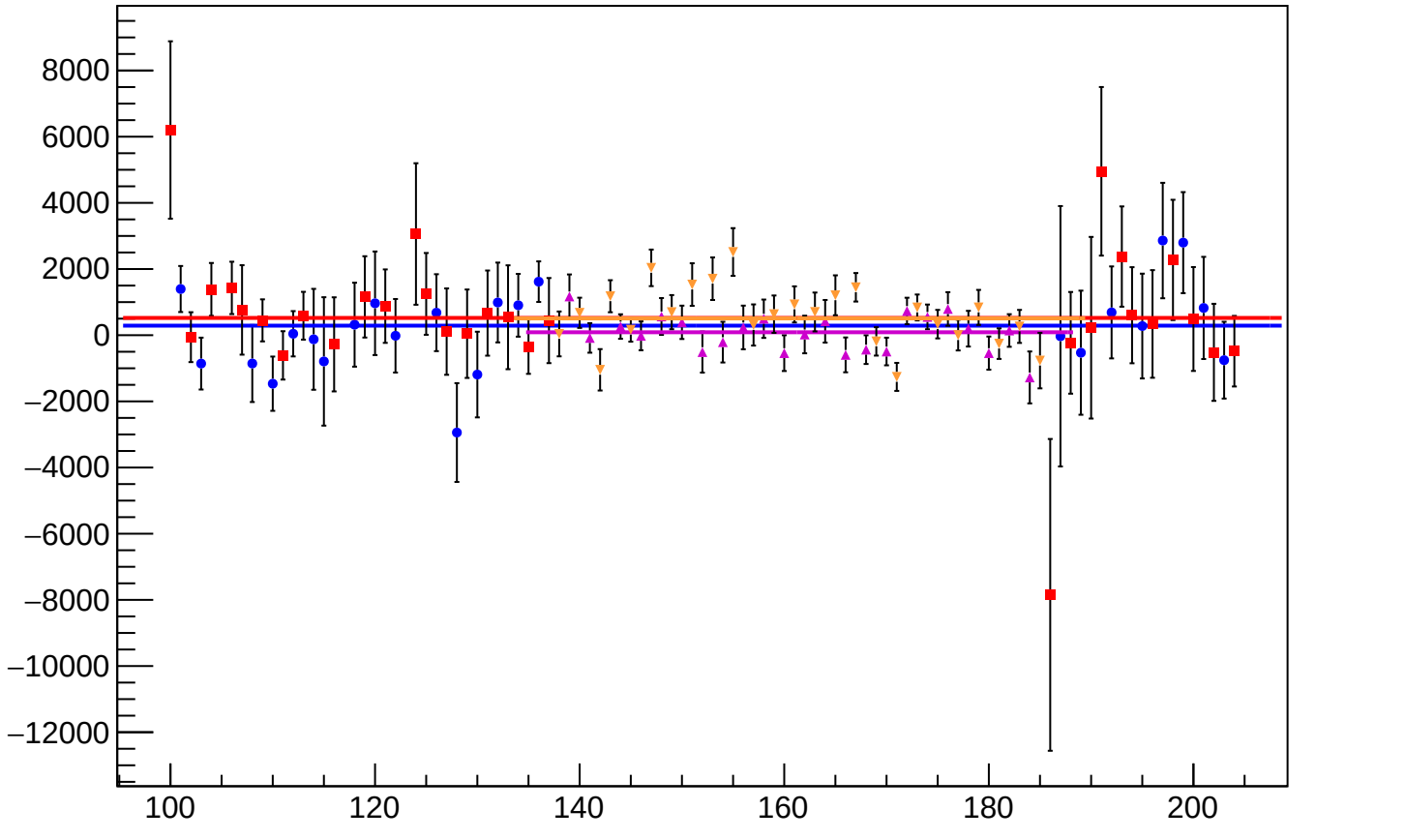
Right Out: 73.310+/-0.014 χ^2/NDF: 1503595.2/29

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 62.063+/-0.008 χ^2/NDF: 3761027.7/48

All: 62.509+/-0.006 χ^2/NDF: 7587809.6/101

- sign 62.953+/-0.008 χ^2/NDF: 3820626.2/52



Right In: 288.449+/-223.556 χ^2/NDF: 28.6/23

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

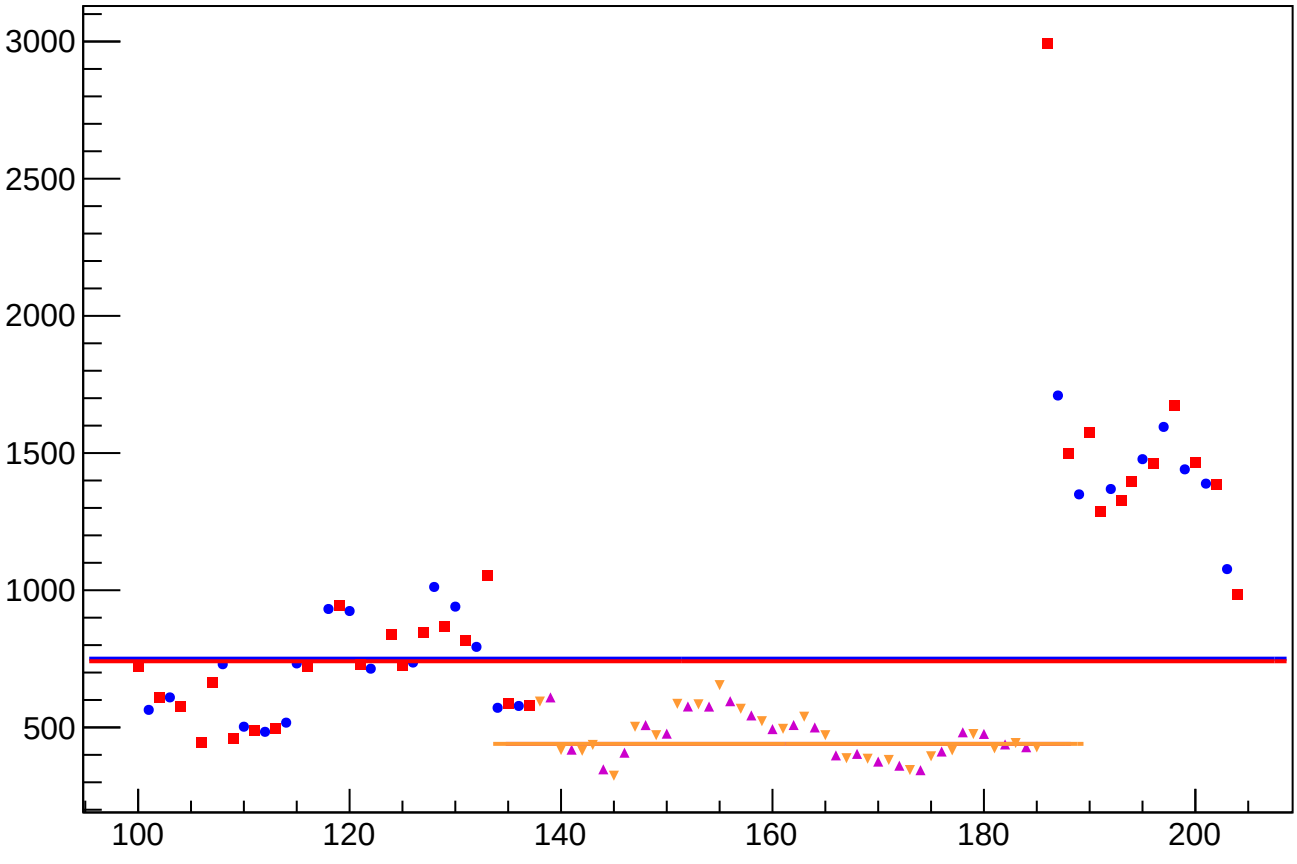
Right Out: 522.102+/-208.284 χ^2/NDF: 24.1/29

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

+ sign 469.620+/-92.629 χ^2/NDF: 95.2/48

All: 323.945+/-65.781 χ^2/NDF: 151.1/101

- sign 175.729+/-93.433 χ^2/NDF: 50.8/52



Right In: 750.596+/-0.158 χ^2/NDF: 3663068.9/23

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 741.130+/-0.147 χ^2/NDF: 5340034.3/29

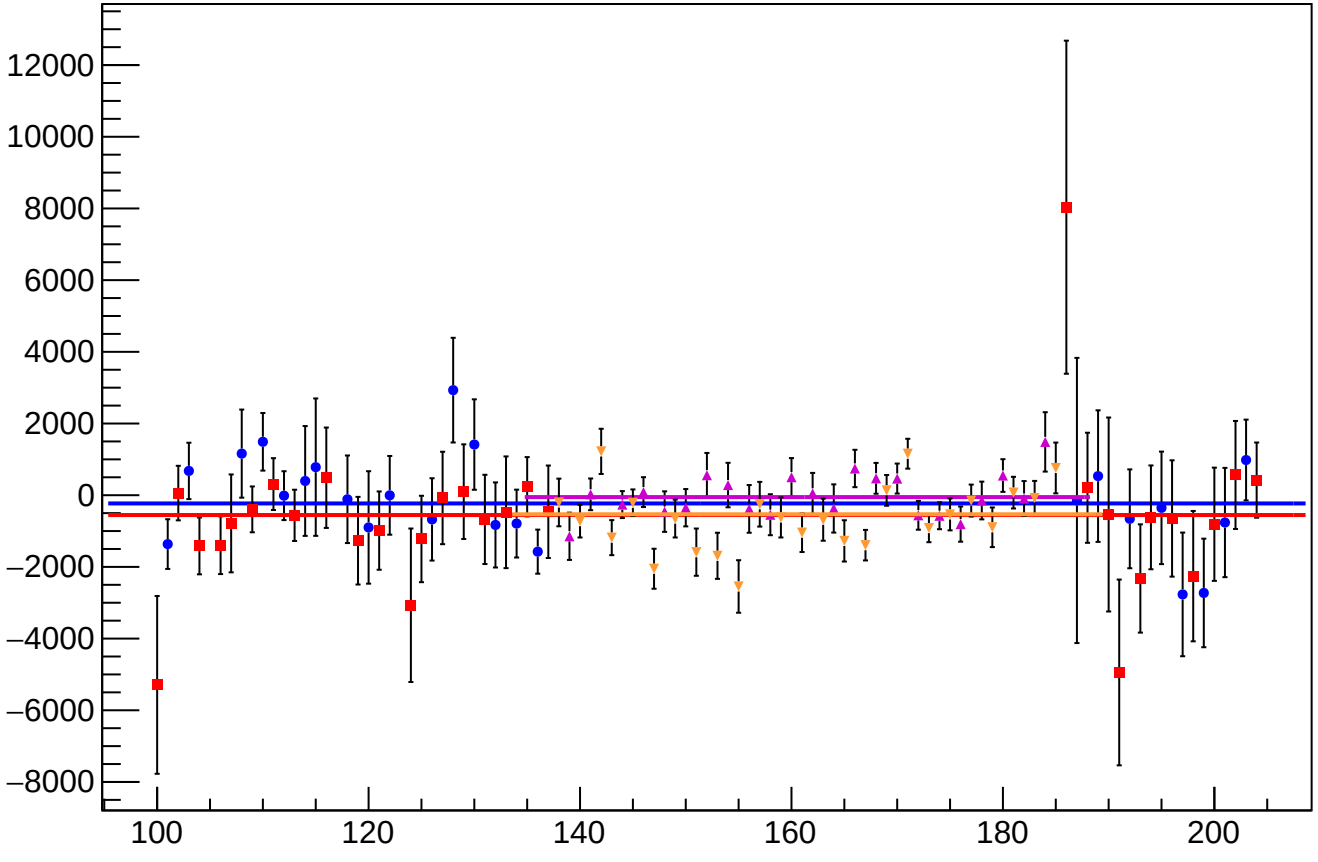
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 493.384+/-0.065 χ^2/NDF: 8056310.3/48

All: 496.910+/-0.047 χ^2/NDF: 17806108.4/10

- sign 500.496+/-0.066 χ^2/NDF: 9743953.9/52

asym_sam_15_48_dd_mean vs Slug



Right In: -229.811+/-222.098 χ^2/NDF: 29.0/23

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -552.940+/-207.652 χ^2/NDF: 22.4/29

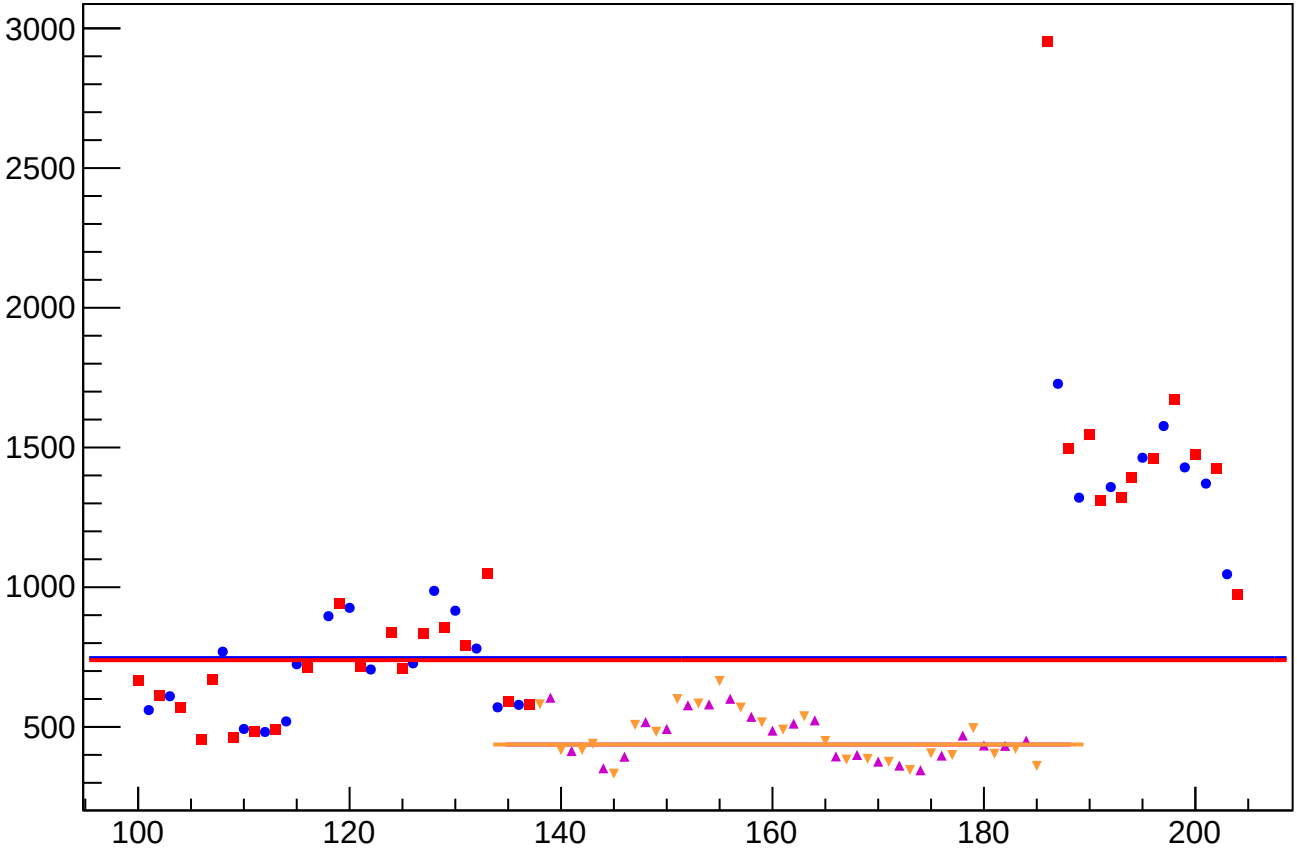
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -479.651+/-92.125 χ^2/NDF: 96.1/48

All: -317.538+/-65.413 χ^2/NDF: 153.4/101

- sign -152.699+/-92.896 χ^2/NDF: 51.1/52

asym_sam_15_48_dd_rms vs Slug



Right In: 746.361+/-0.157 χ^2/NDF: 3593717.8/23

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

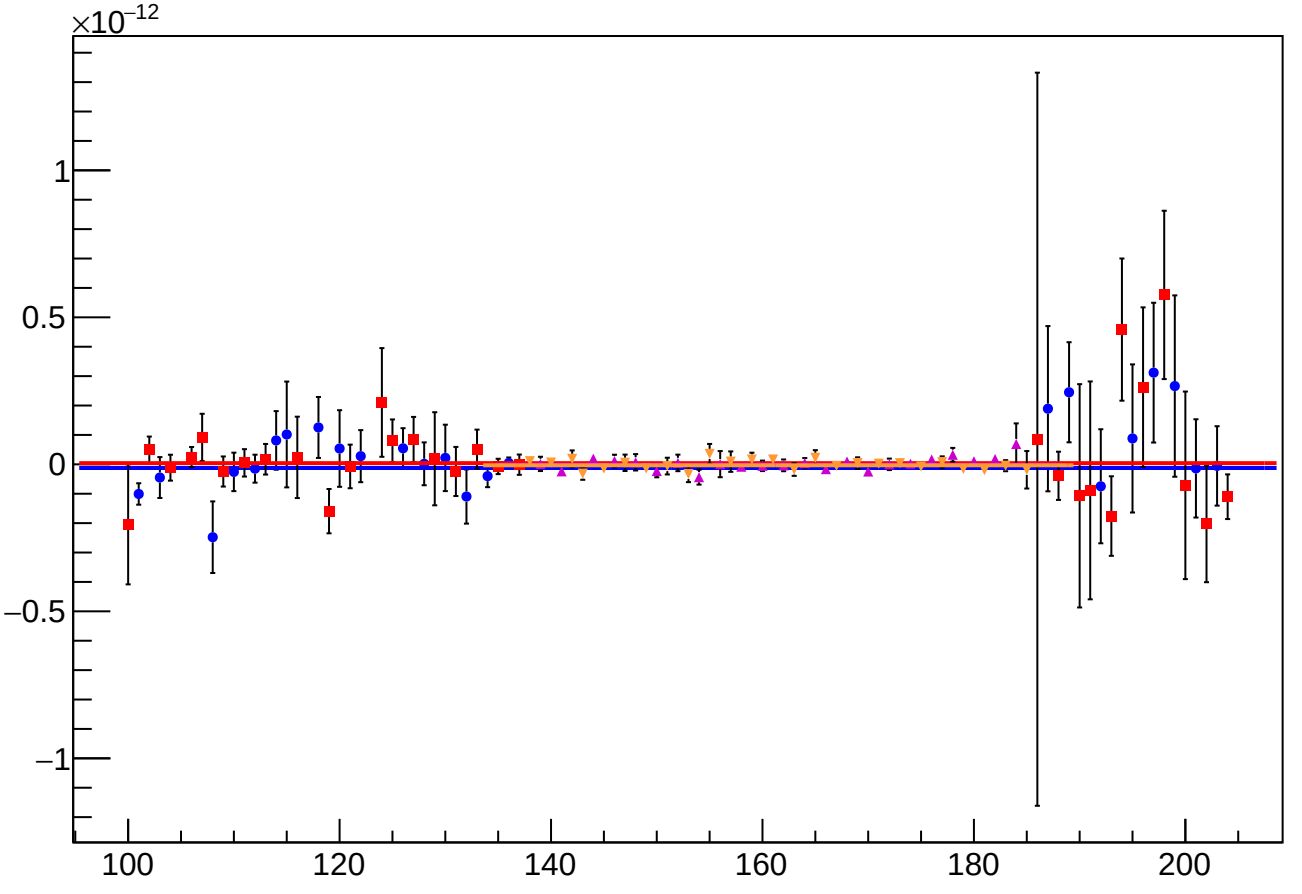
Right Out: 738.995+/-0.147 χ^2/NDF: 5323249.7/29

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 490.356+/-0.065 χ^2/NDF: 8030660.2/48

All: 493.844+/-0.046 χ^2/NDF: 17824692.1/10

- sign 497.390+/-0.066 χ^2/NDF: 9788251.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/23

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

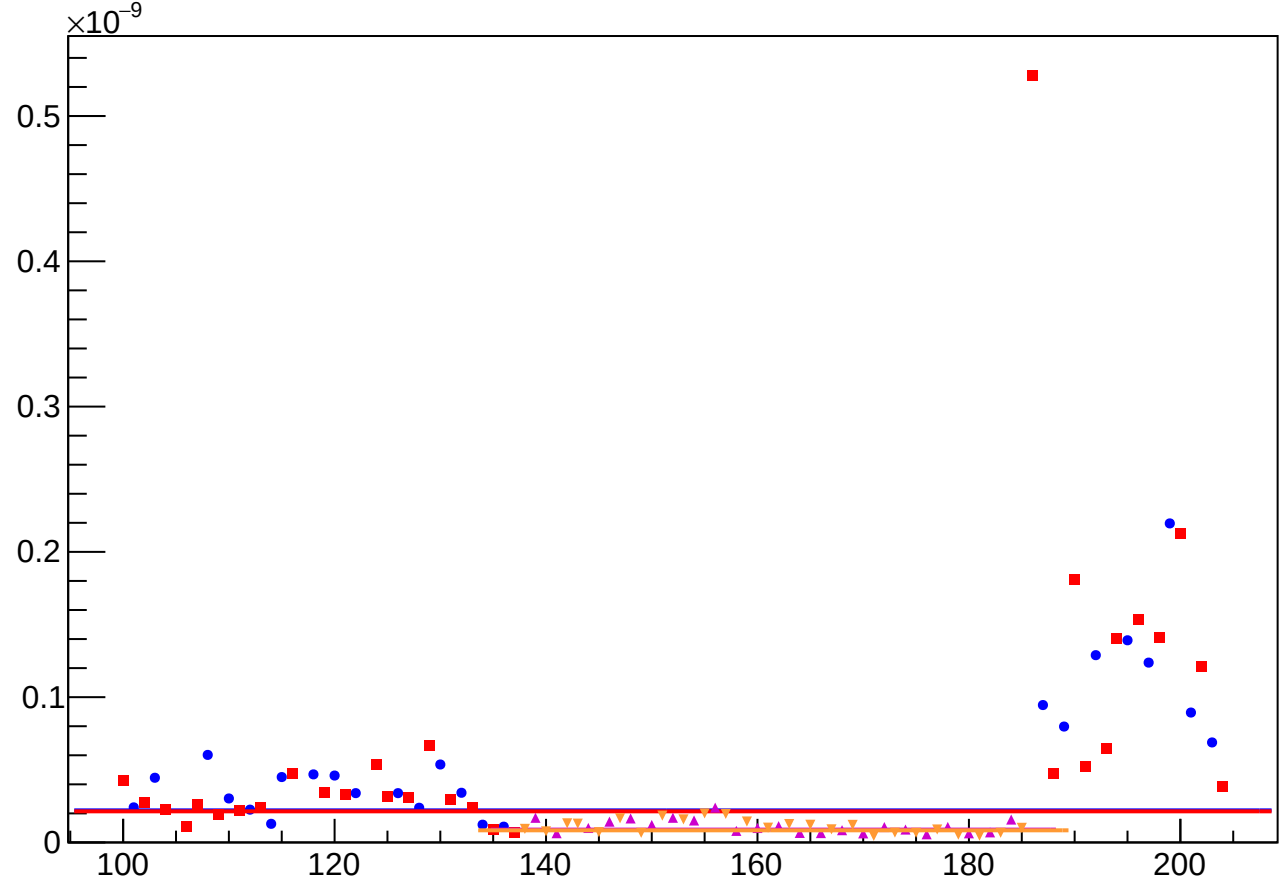
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/29

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/48

All: -0.000+/-0.000 χ^2/NDF: 87.3/101

- sign -0.000+/-0.000 χ^2/NDF: 49.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 4974012.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5303142.5/29

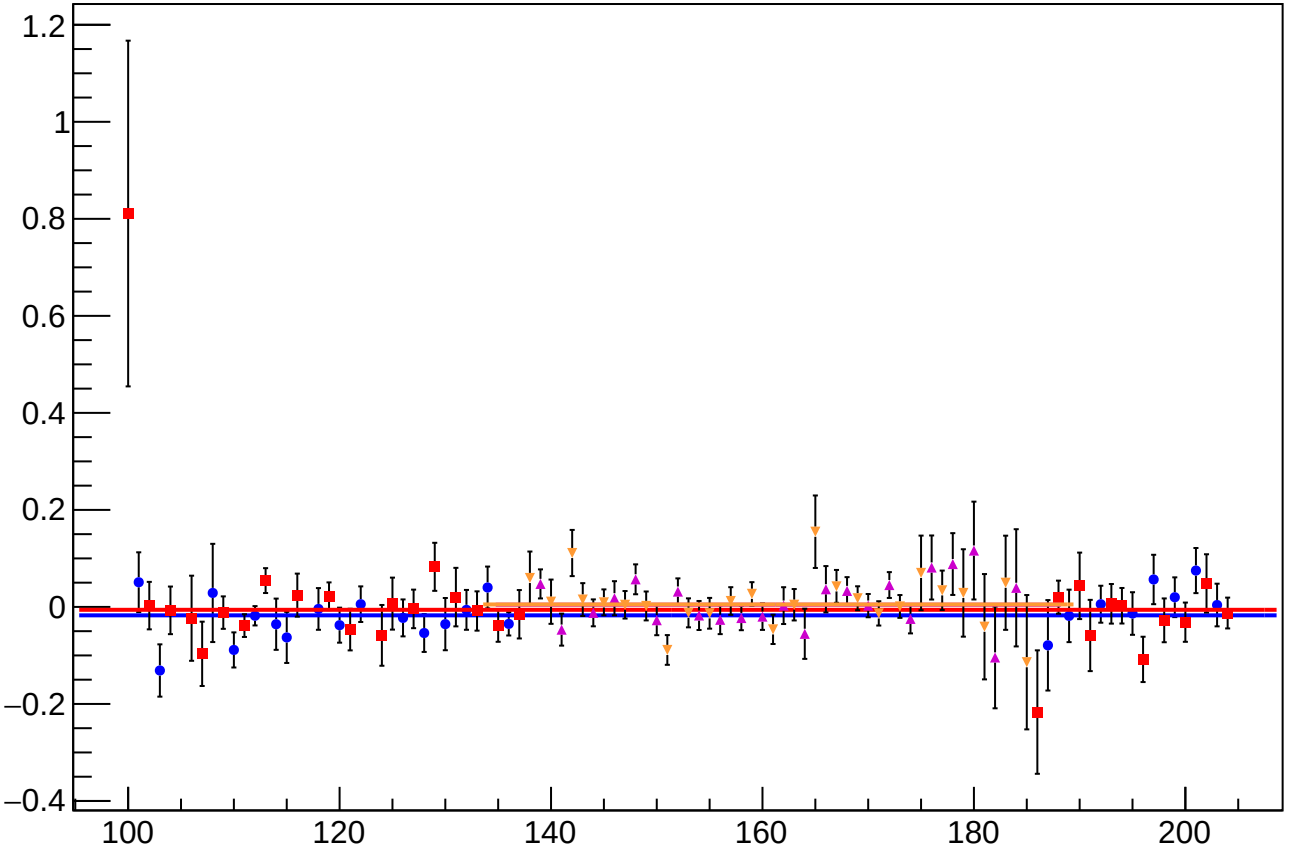
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9457099.1/48

All: 0.000+/-0.000 χ^2/NDF: 18528497.1/101

- sign 0.000+/-0.000 χ^2/NDF: 9037916.8/52

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.008 χ^2/NDF: 22.7/23

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.006+/-0.008 χ^2/NDF: 33.0/29

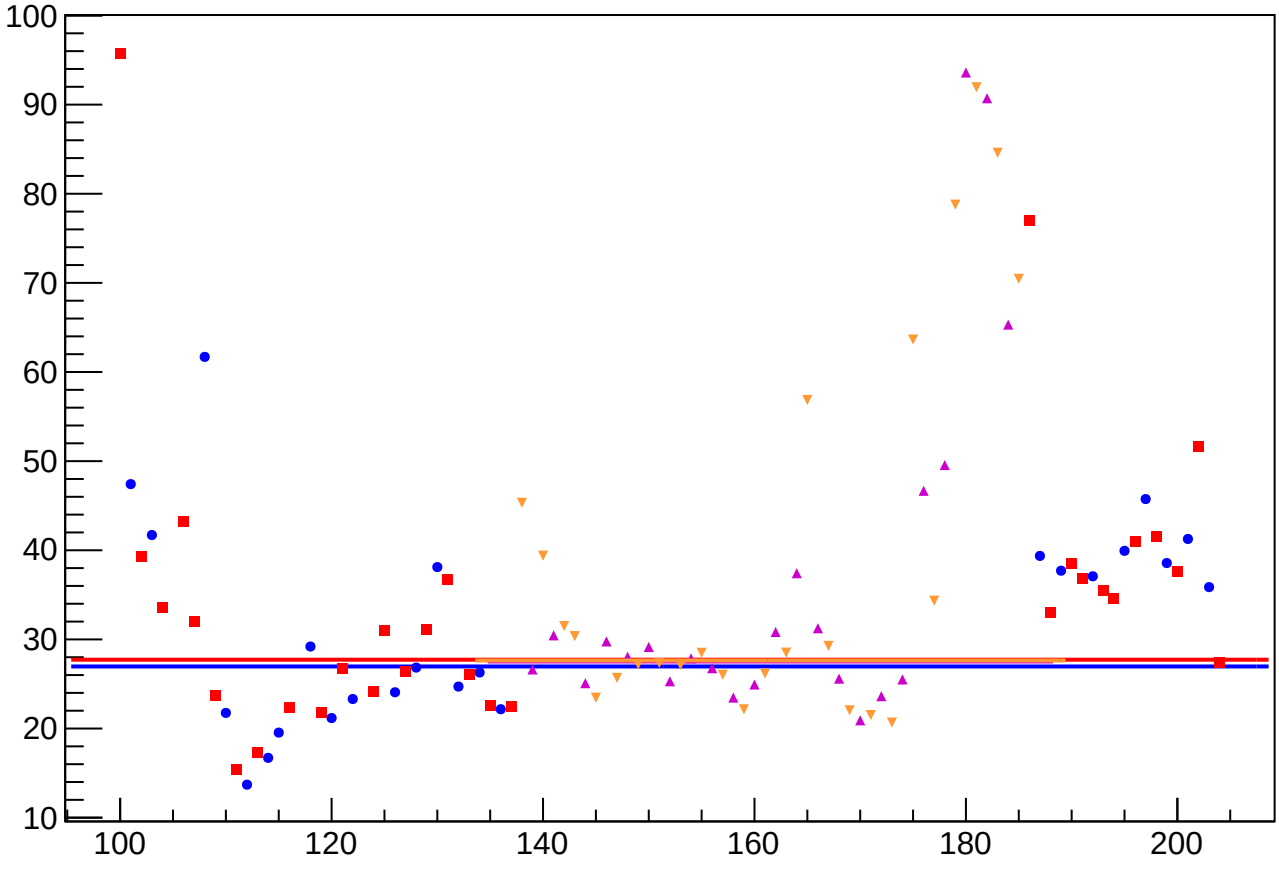
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.004+/-0.005 χ^2/NDF: 55.6/48

All: -0.002+/-0.004 χ^2/NDF: 115.1/101

- sign -0.000+/-0.005 χ^2/NDF: 59.2/52

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.964+/-0.006 χ^2/NDF: 3042740.2/23

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

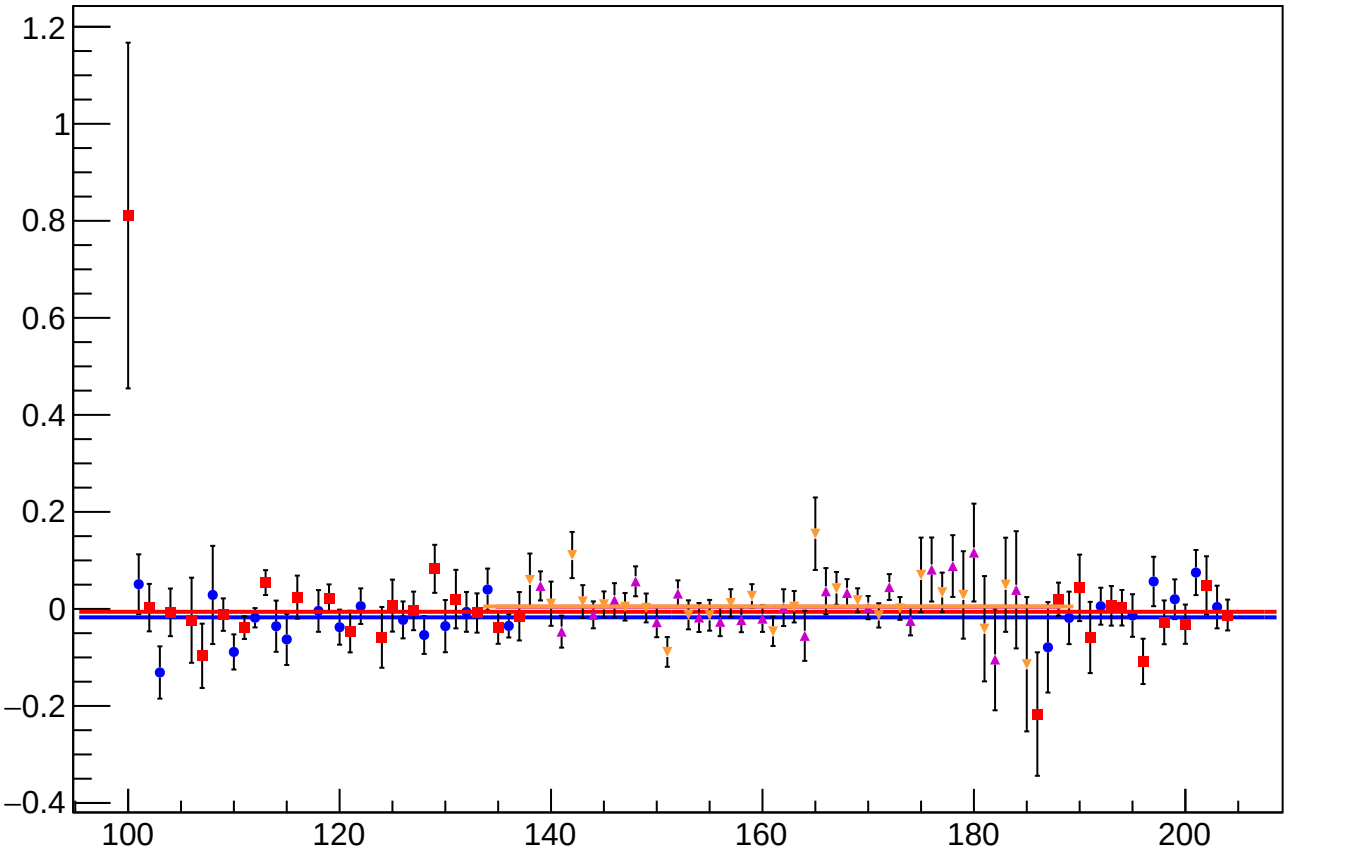
Right Out: 27.725+/-0.005 χ^2/NDF: 2819308.4/29

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.358+/-0.004 χ^2/NDF: 7024735.8/48

All: 27.489+/-0.003 χ^2/NDF: 12481770.7/101

- sign 27.615+/-0.004 χ^2/NDF: 5454597.7/52



Right In: -0.017+/-0.008 χ^2/NDF: 22.7/23

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

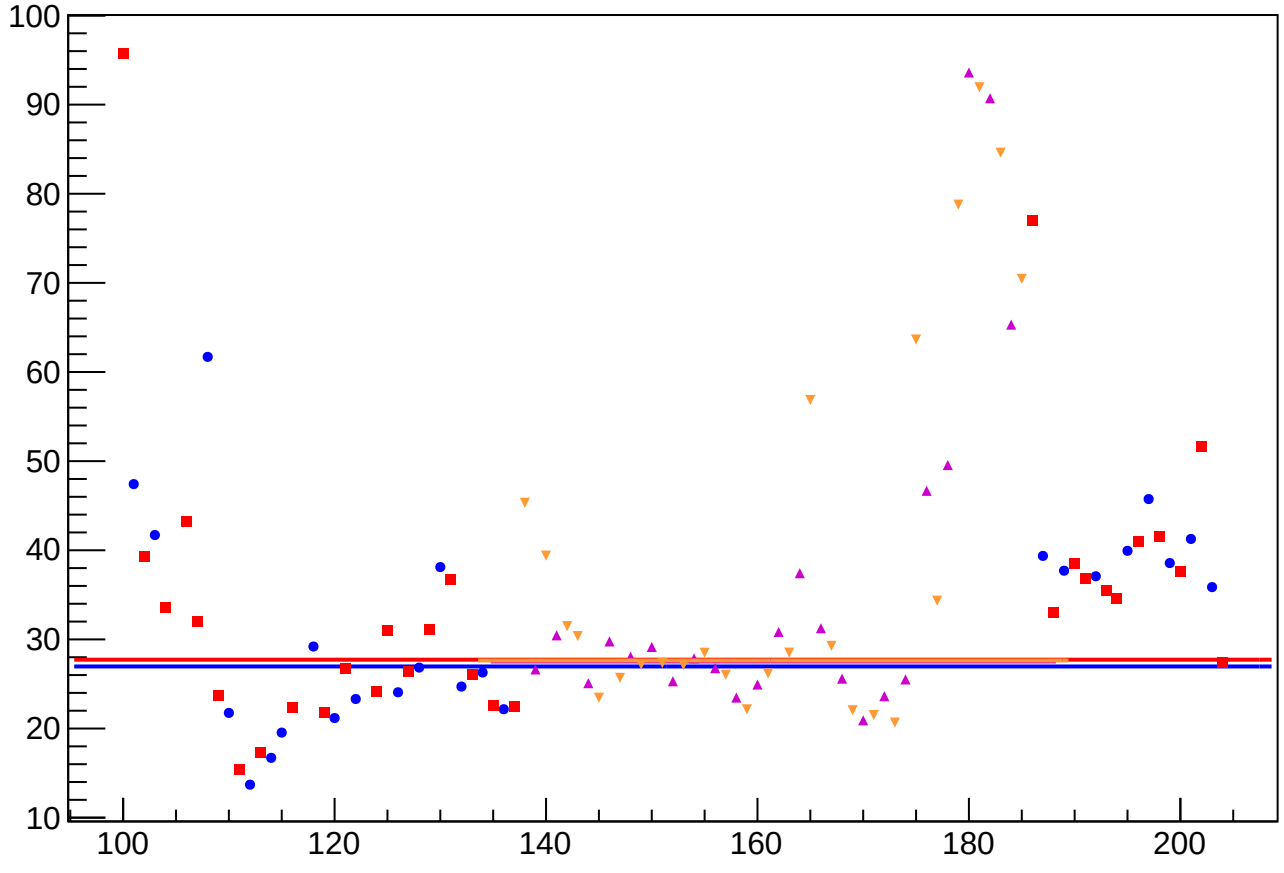
Right Out: -0.006+/-0.008 χ^2/NDF: 33.0/29

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.004+/-0.005 χ^2/NDF: 55.6/48

All: -0.002+/-0.004 χ^2/NDF: 115.1/101

- sign -0.000+/-0.005 χ^2/NDF: 59.2/52



Right In: 26.964+/-0.006 χ^2/NDF: 3042740.2/23

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

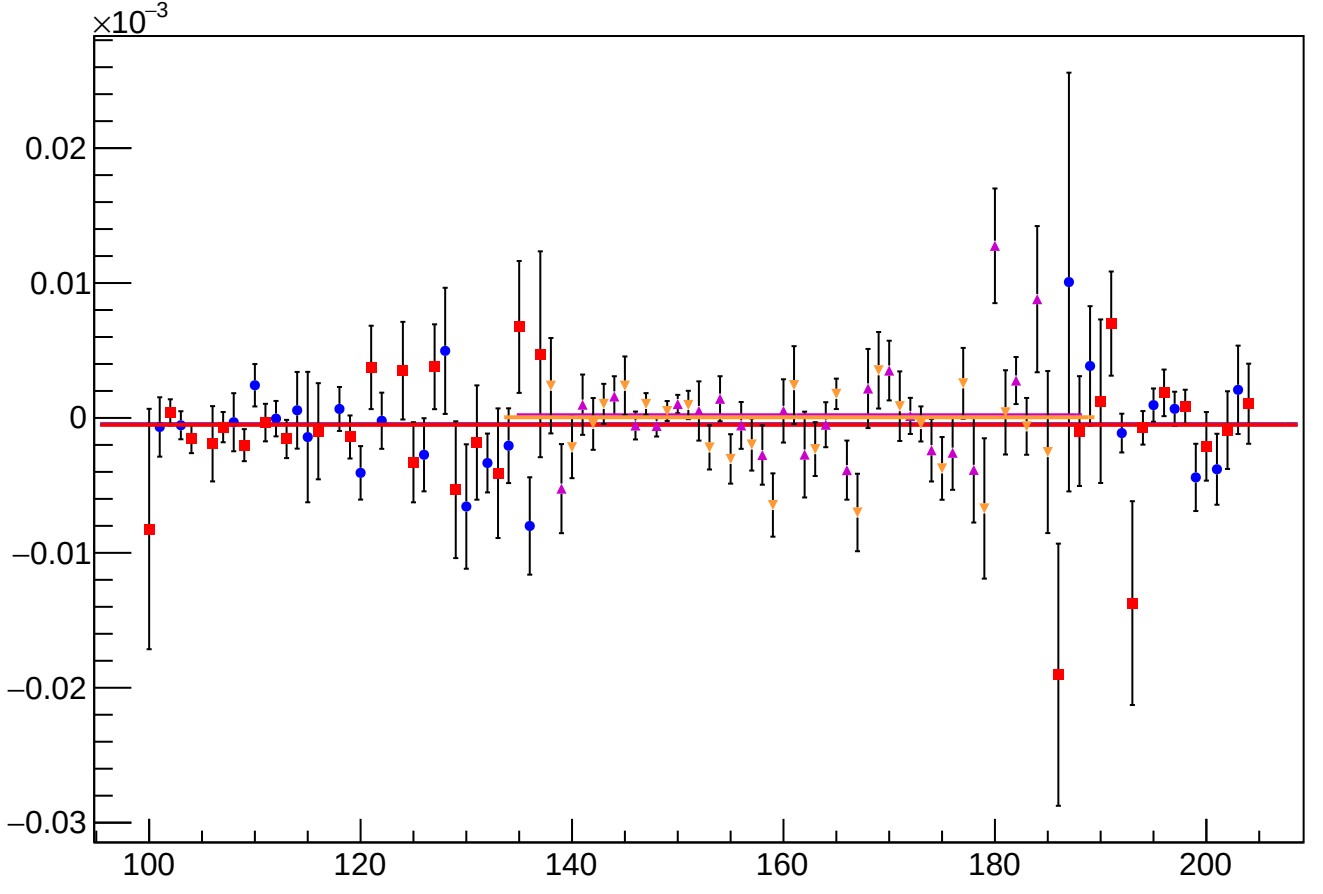
Right Out: 27.725+/-0.005 χ^2/NDF: 2819308.4/29

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.358+/-0.004 χ^2/NDF: 7024735.8/48

All: 27.489+/-0.003 χ^2/NDF: 12481770.7/101

- sign 27.615+/-0.004 χ^2/NDF: 5454597.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

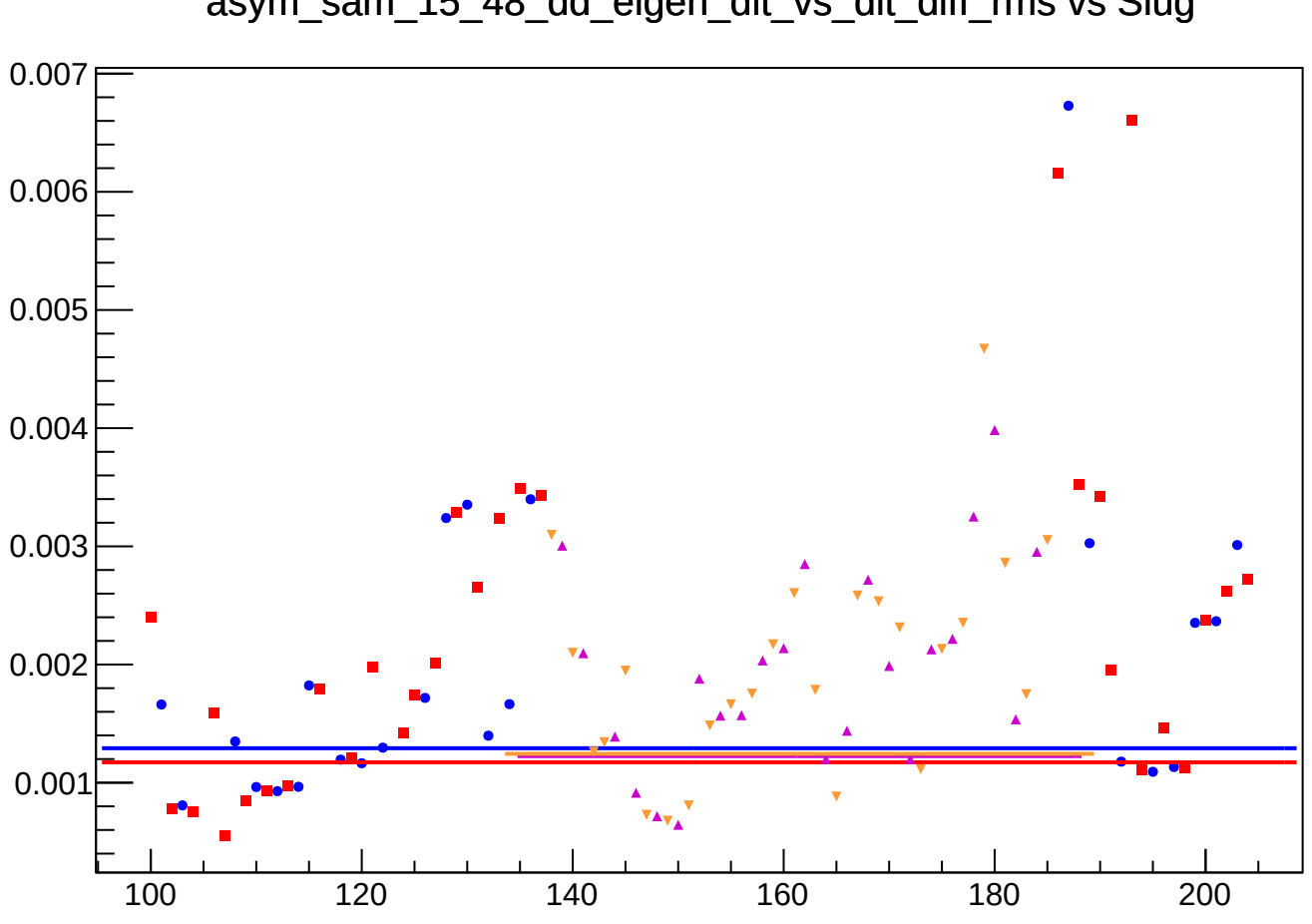
Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/29

Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.2/48

All: -0.000+/-0.000 χ^2/NDF: 129.4/101

- sign -0.000+/-0.000 χ^2/NDF: 65.2/52



Right In: 0.001+/-0.000 χ^2/NDF: 4210396.6/23

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7759048.3/29

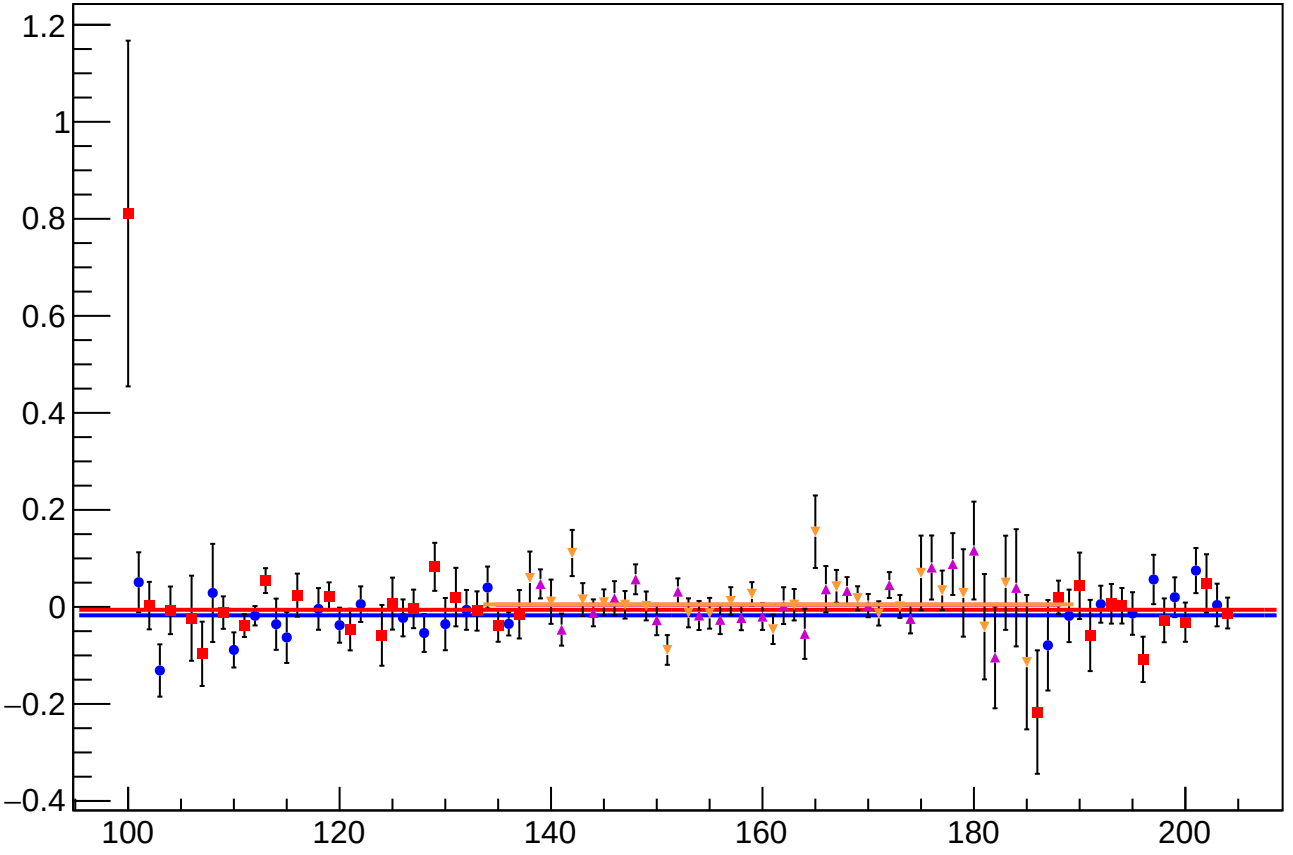
Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 12568326.1/48

All: 0.001+/-0.000 χ^2/NDF: 28236988.1/101

- sign 0.001+/-0.000 χ^2/NDF: 15605148.4/52

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.008 χ^2/NDF: 22.7/23

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

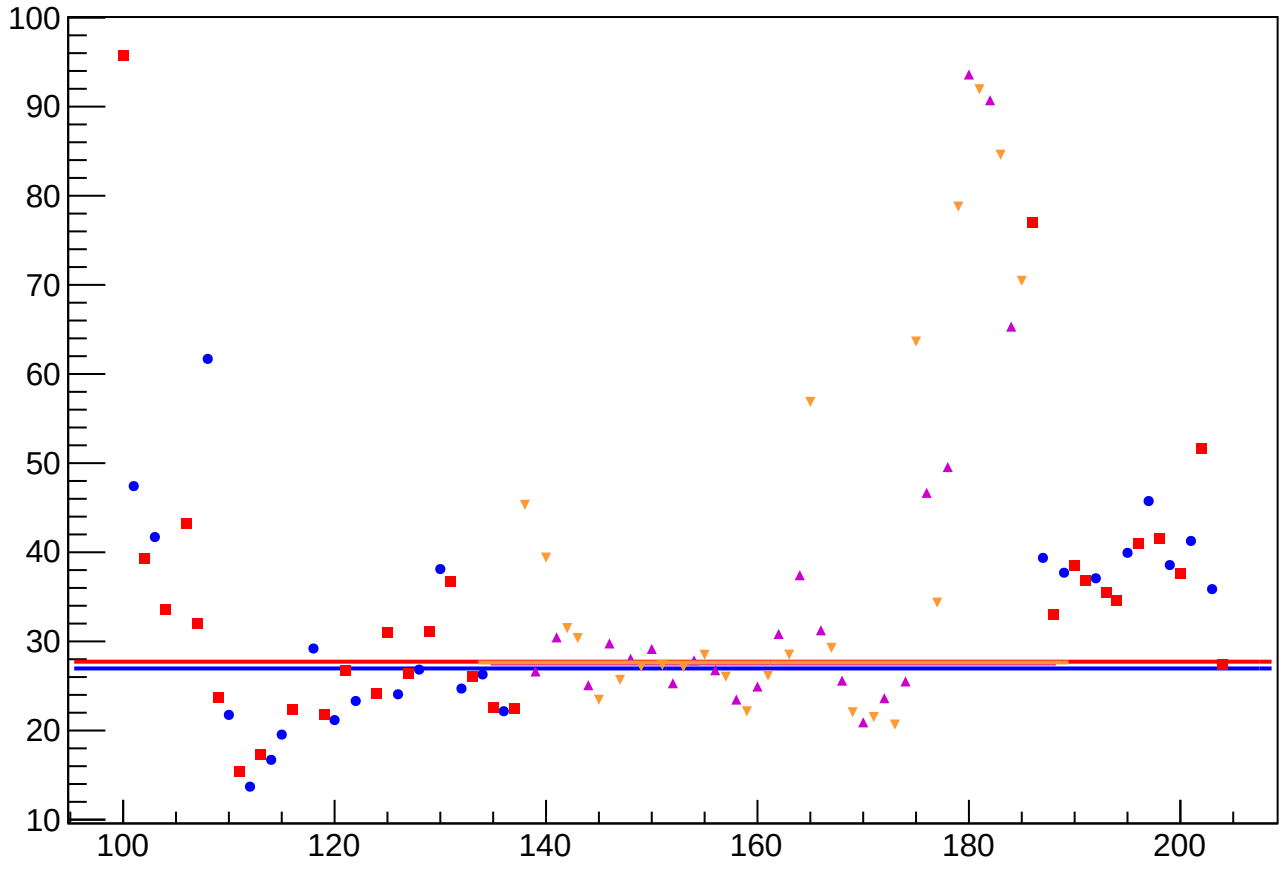
Right Out: -0.006+/-0.008 χ^2/NDF: 33.0/29

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.004+/-0.005 χ^2/NDF: 55.6/48

All: -0.002+/-0.004 χ^2/NDF: 115.1/101

- sign -0.000+/-0.005 χ^2/NDF: 59.2/52



Right In: 26.964+/-0.006 χ^2/NDF: 3042739.3/23

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

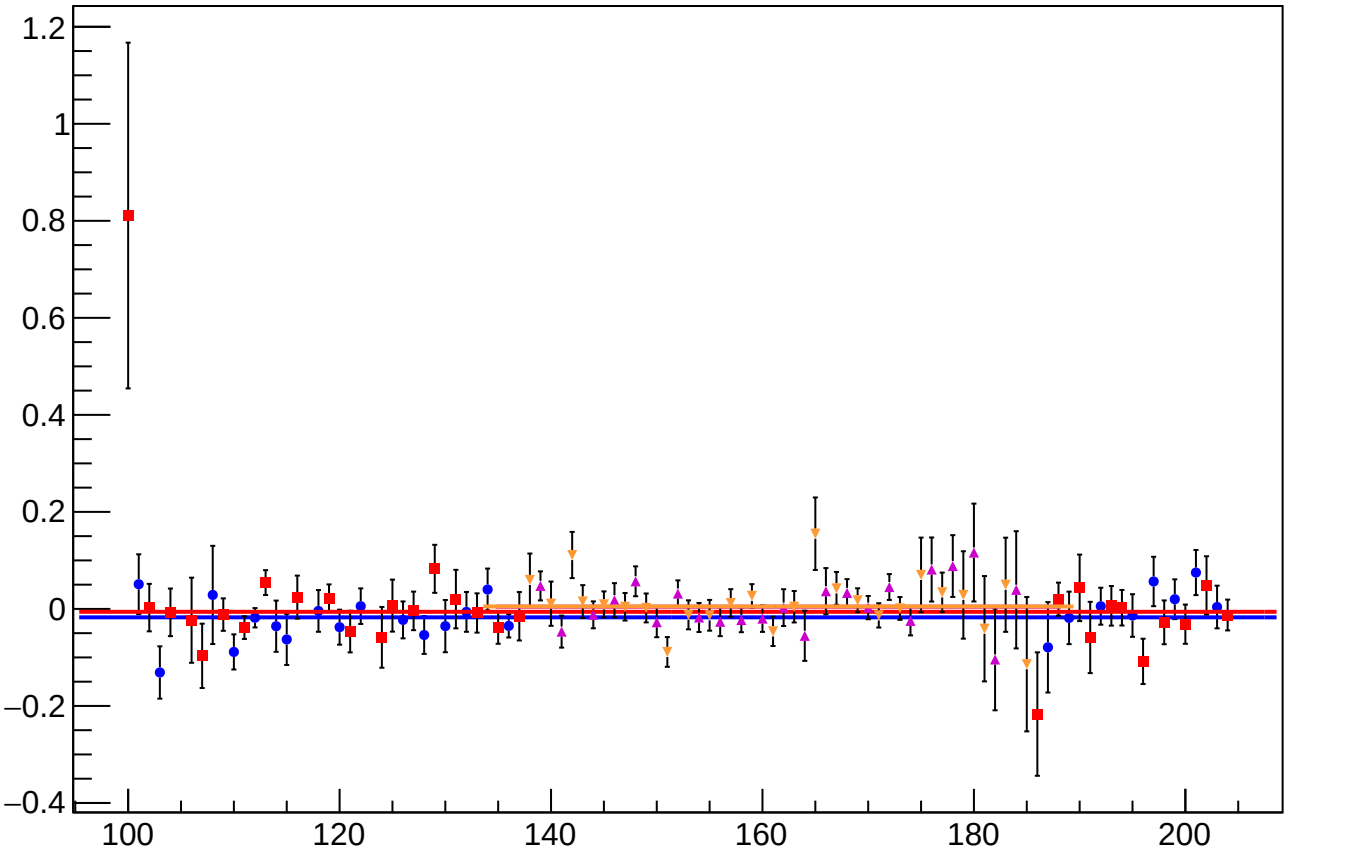
Right Out: 27.724+/-0.005 χ^2/NDF: 2819417.7/29

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.358+/-0.004 χ^2/NDF: 7024689.2/48

All: 27.489+/-0.003 χ^2/NDF: 12481796.7/101

- sign 27.615+/-0.004 χ^2/NDF: 5454671.9/52



Right In: -0.017+/-0.008 χ^2/NDF: 22.7/23

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

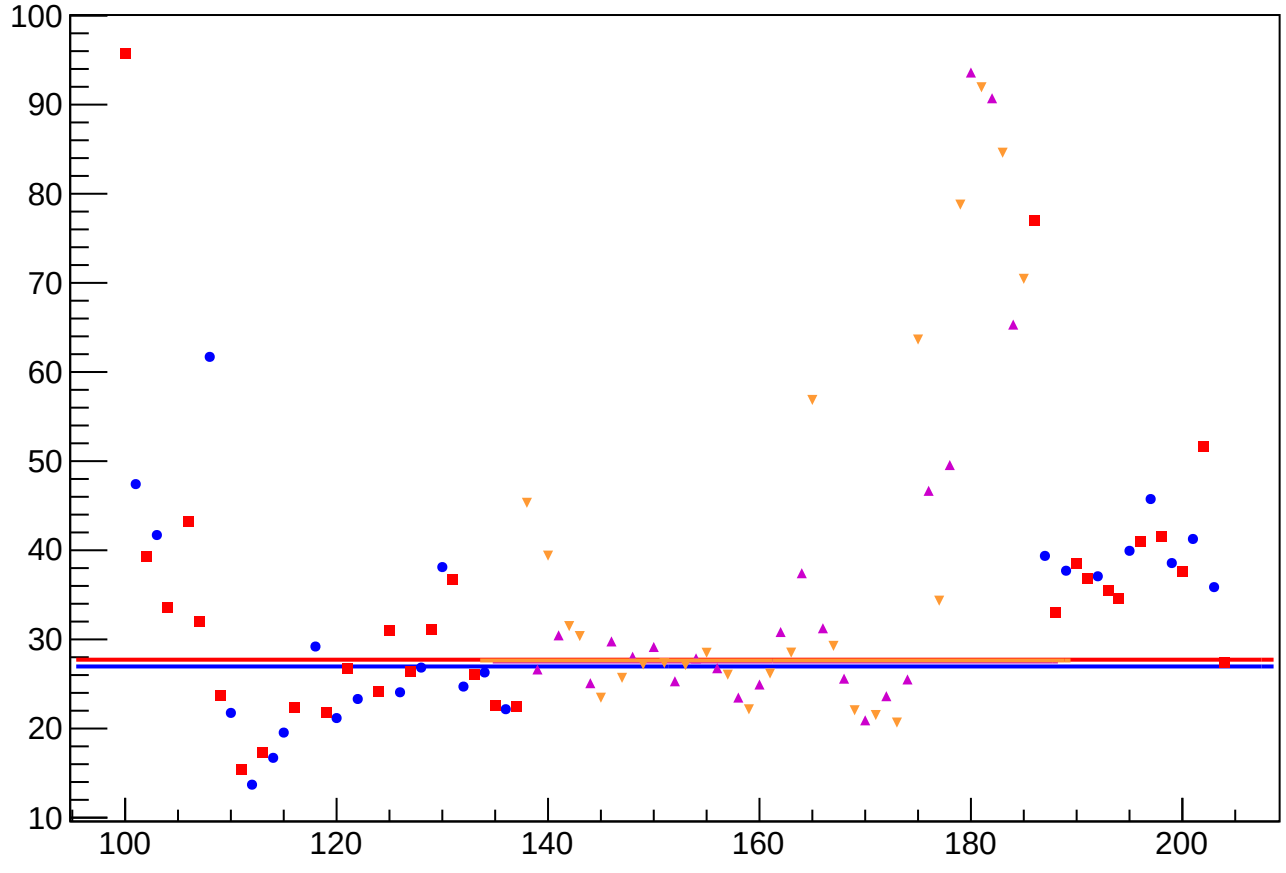
Right Out: -0.006+/-0.008 χ^2/NDF: 33.0/29

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.004+/-0.005 χ^2/NDF: 55.6/48

All: -0.002+/-0.004 χ^2/NDF: 115.1/101

- sign -0.000+/-0.005 χ^2/NDF: 59.2/52



Right In: 26.964+/-0.006 χ^2/NDF: 3042739.3/23

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

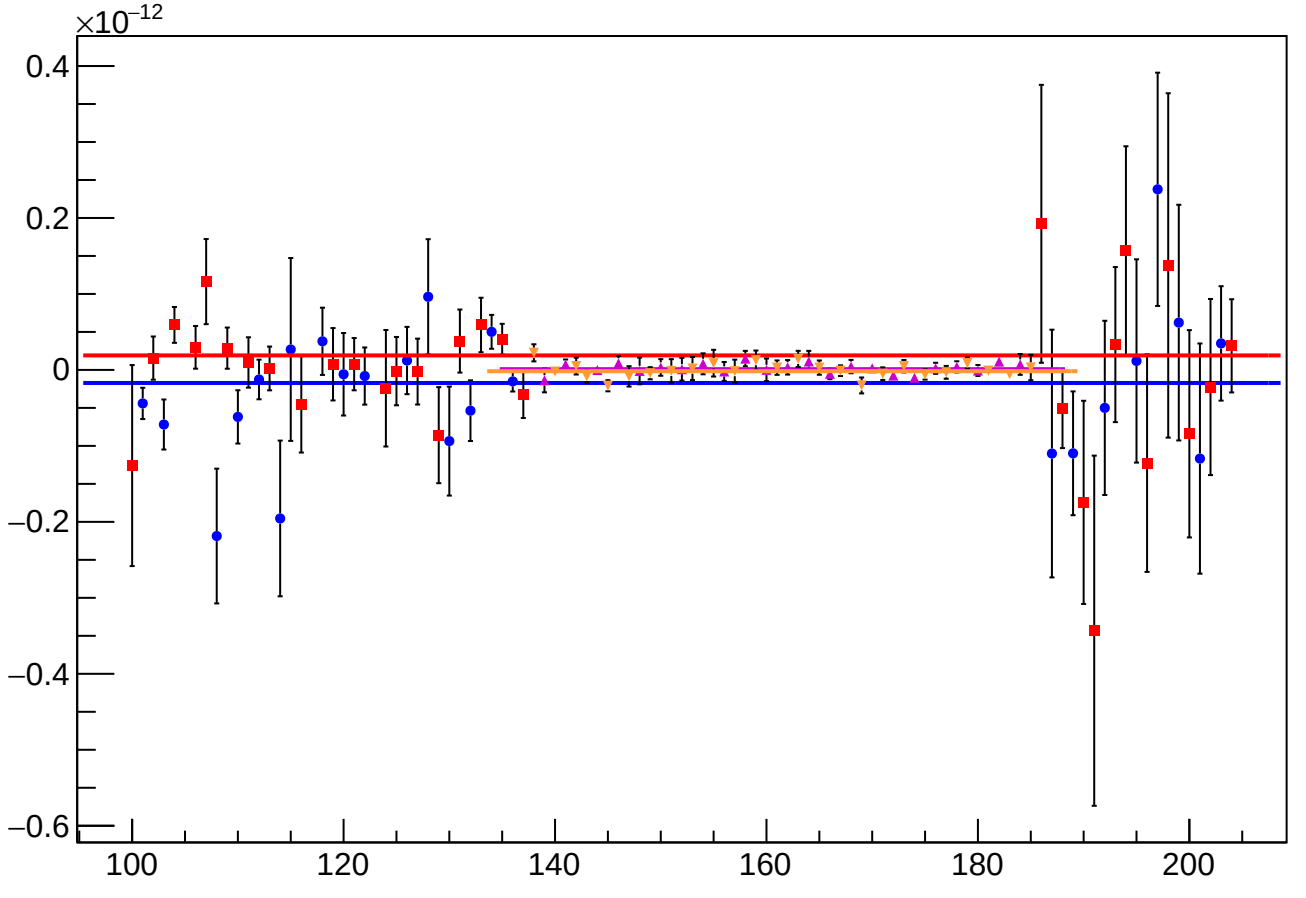
Right Out: 27.724+/-0.005 χ^2/NDF: 2819417.7/29

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.358+/-0.004 χ^2/NDF: 7024689.2/48

All: 27.489+/-0.003 χ^2/NDF: 12481796.7/101

- sign 27.615+/-0.004 χ^2/NDF: 5454671.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 35.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

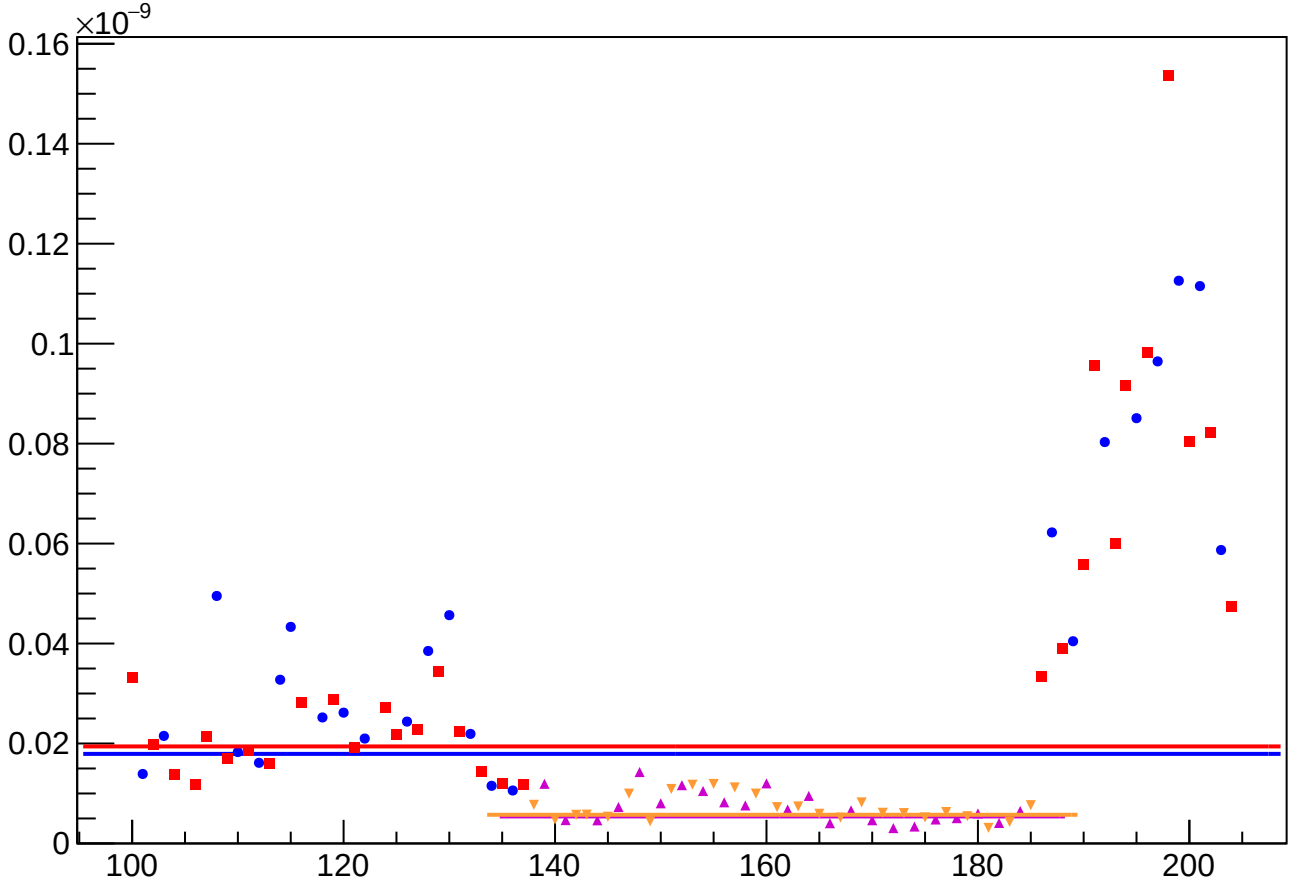
Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/29

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.9/48

All: -0.000+/-0.000 χ^2/NDF: 117.6/101

- sign 0.000+/-0.000 χ^2/NDF: 50.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 5904697.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5286372.5/29

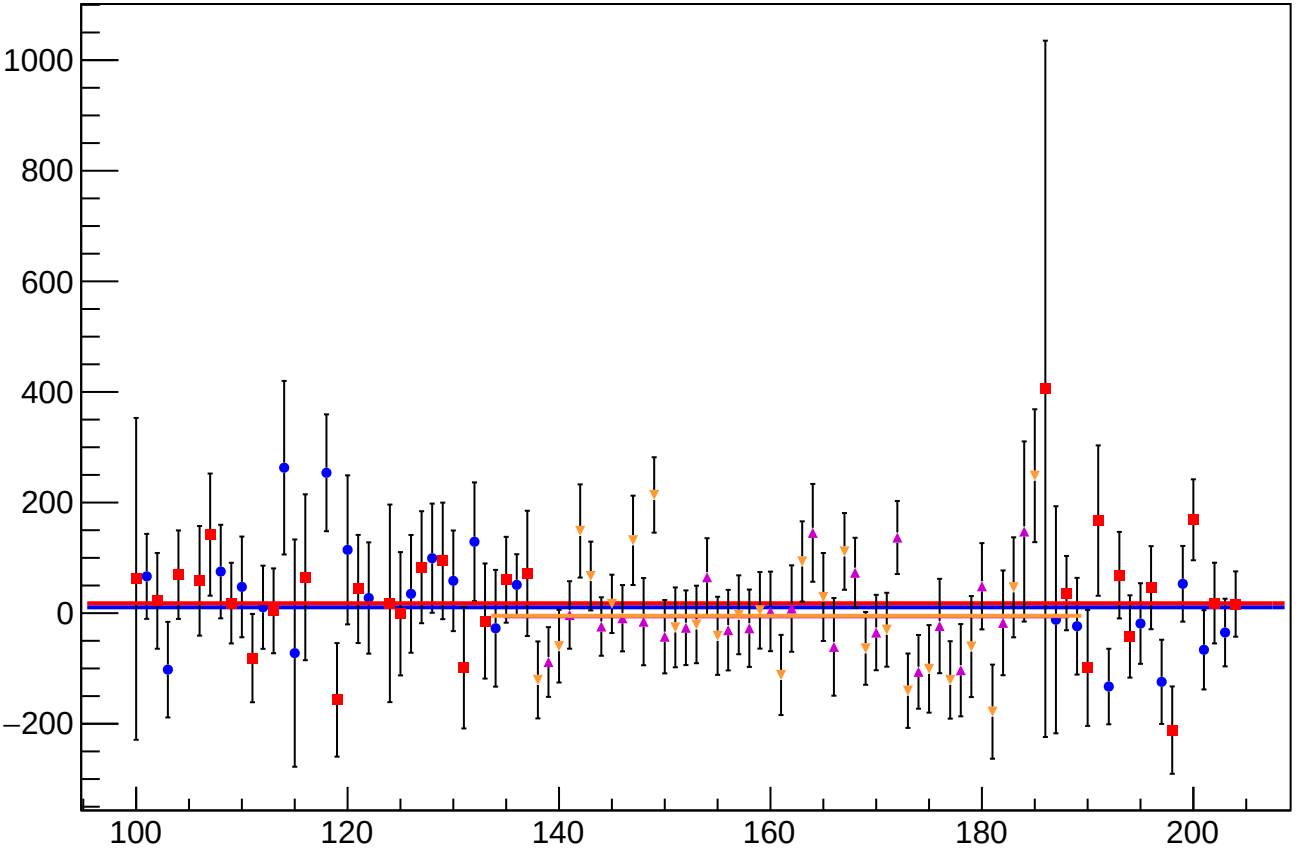
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 13411396.3/48

All: 0.000+/-0.000 χ^2/NDF: 28601673.9/101

- sign 0.000+/-0.000 χ^2/NDF: 15168180.5/52

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 10.558+/-17.497 χ^2/NDF: 24.6/23

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 17.945+/-16.496 χ^2/NDF: 26.1/29

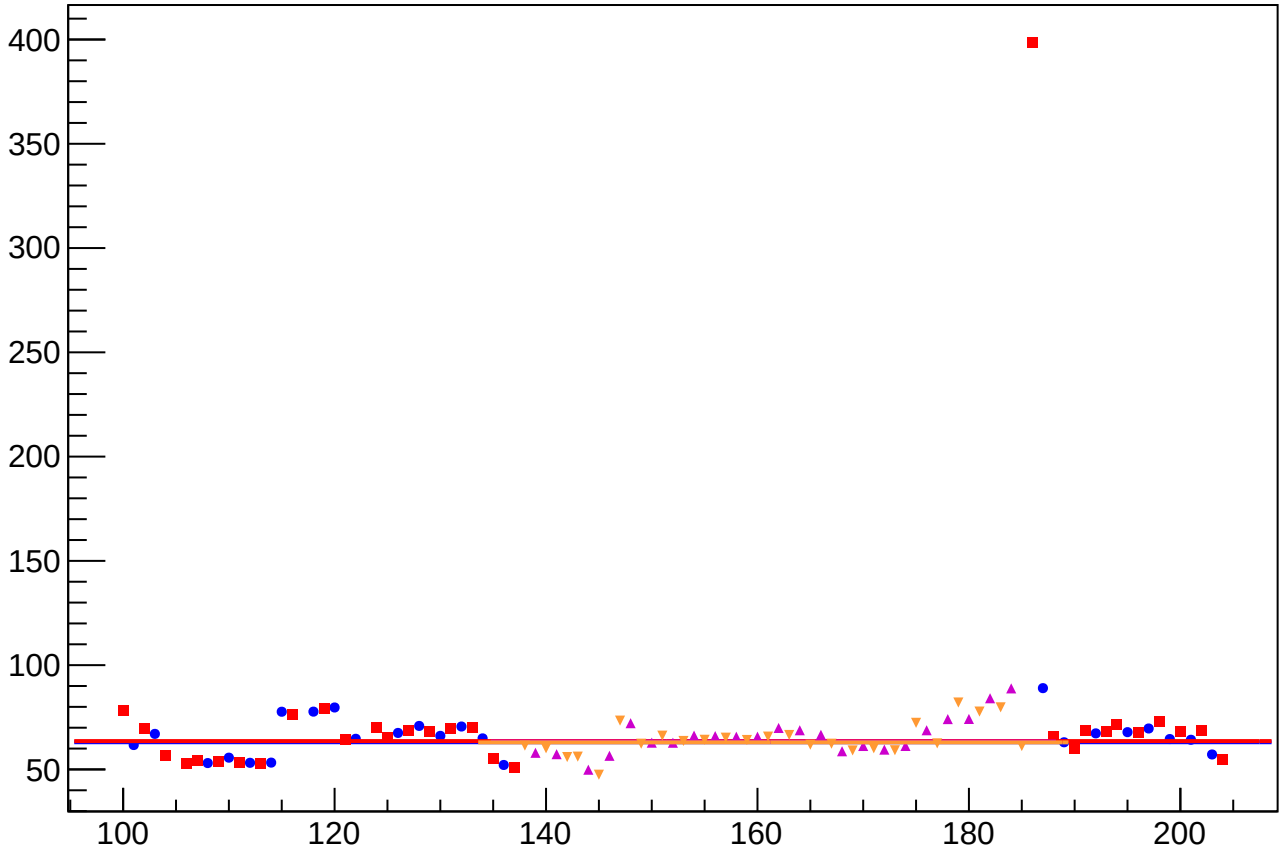
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 1.452+/-11.133 χ^2/NDF: 72.4/48

All: 3.189+/-7.850 χ^2/NDF: 118.0/101

- sign 4.906+/-11.070 χ^2/NDF: 45.5/52

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 63.043+/-0.012 χ^2/NDF: 357443.2/23

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.587+/-0.012 χ^2/NDF: 1009178.3/29

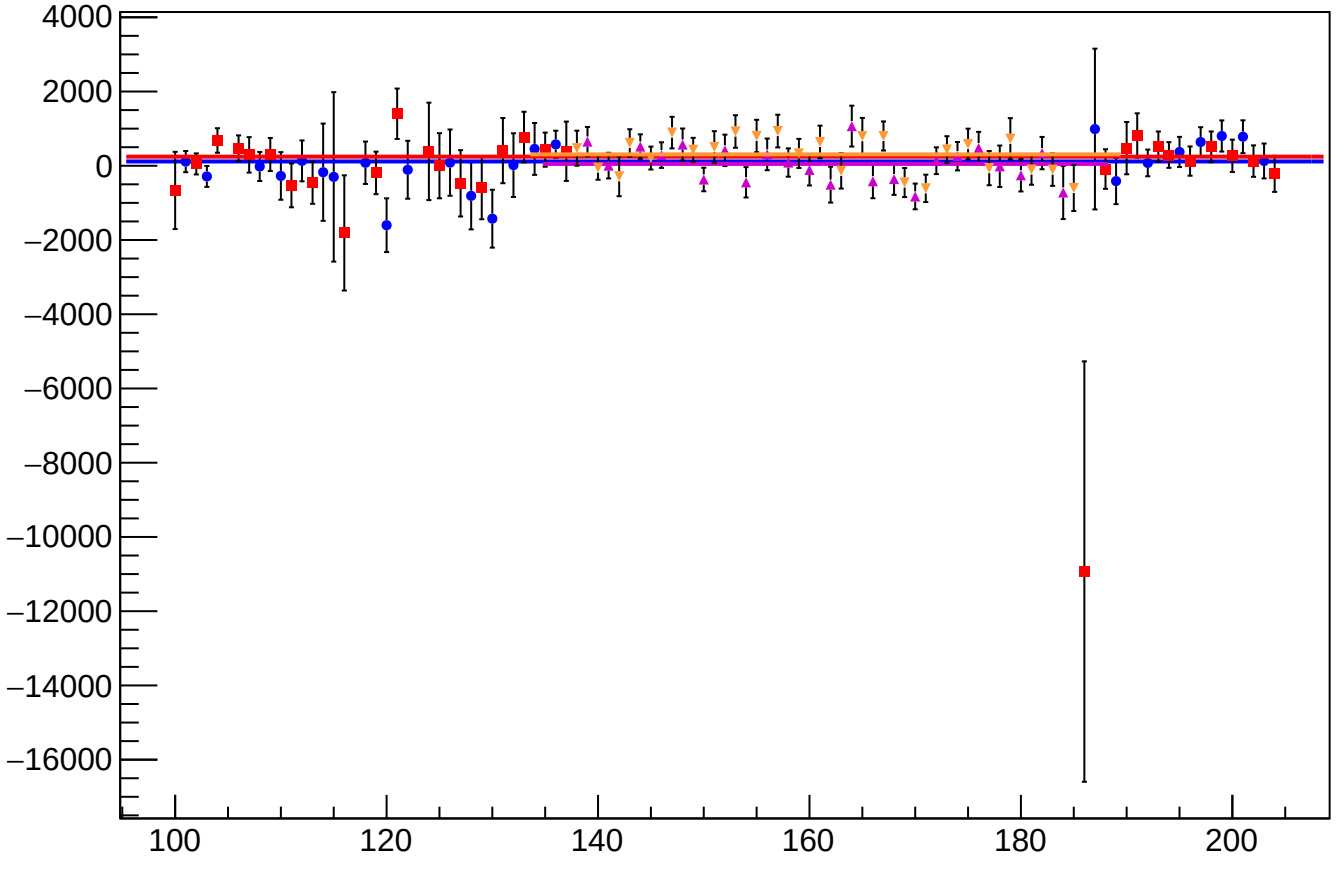
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 63.003+/-0.008 χ^2/NDF: 884320.6/48

All: 63.236+/-0.006 χ^2/NDF: 2392355.5/101

- sign 63.465+/-0.008 χ^2/NDF: 1506303.5/52

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: 116.036+/-101.199 χ^2/NDF: 23.1/23

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 245.020+/-92.724 χ^2/NDF: 21.8/29

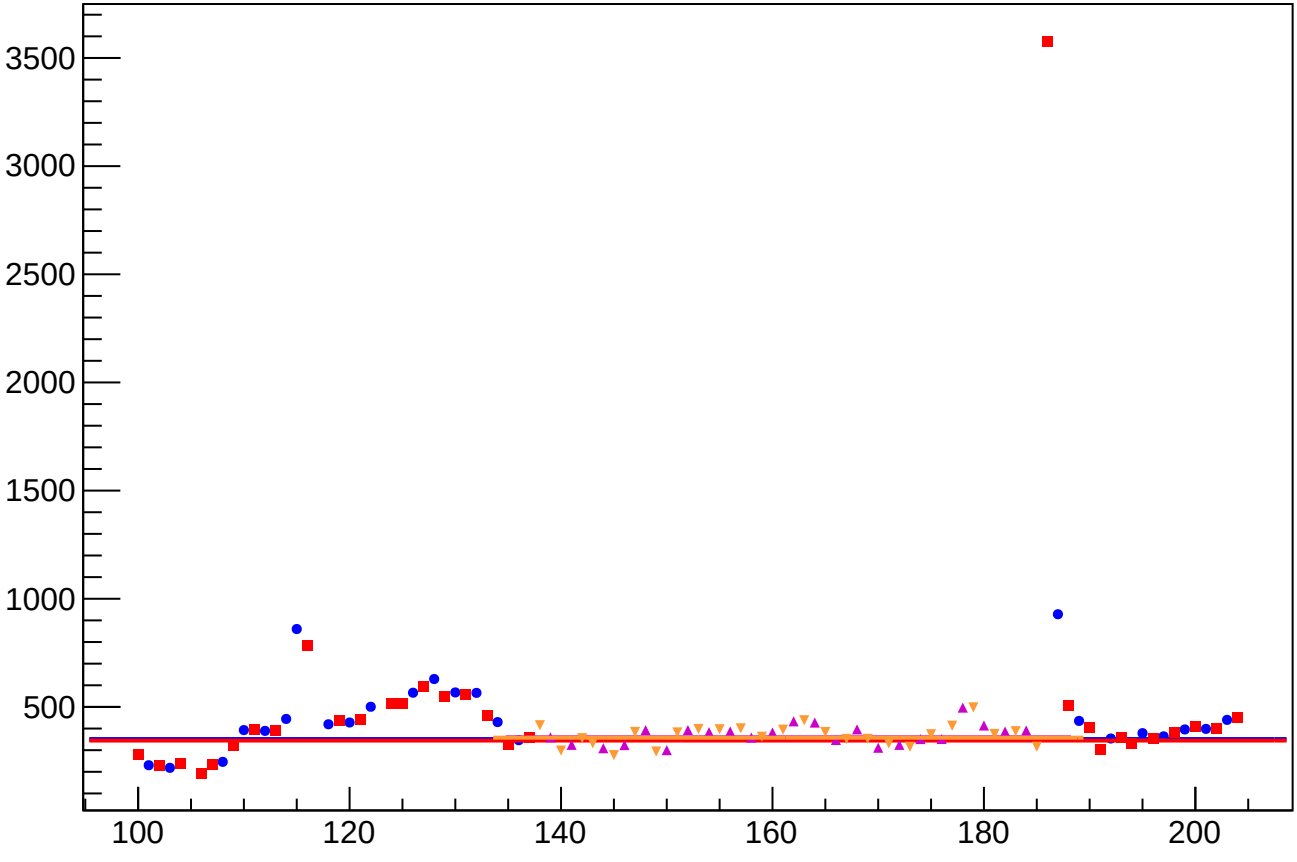
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 231.022+/-63.879 χ^2/NDF: 55.9/48

All: 184.014+/-44.708 χ^2/NDF: 108.4/101

- sign 138.882+/-62.592 χ^2/NDF: 51.4/52

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 351.362+/-0.072 χ^2/NDF: 2115759.5/23

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 344.565+/-0.066 χ^2/NDF: 2976130.4/29

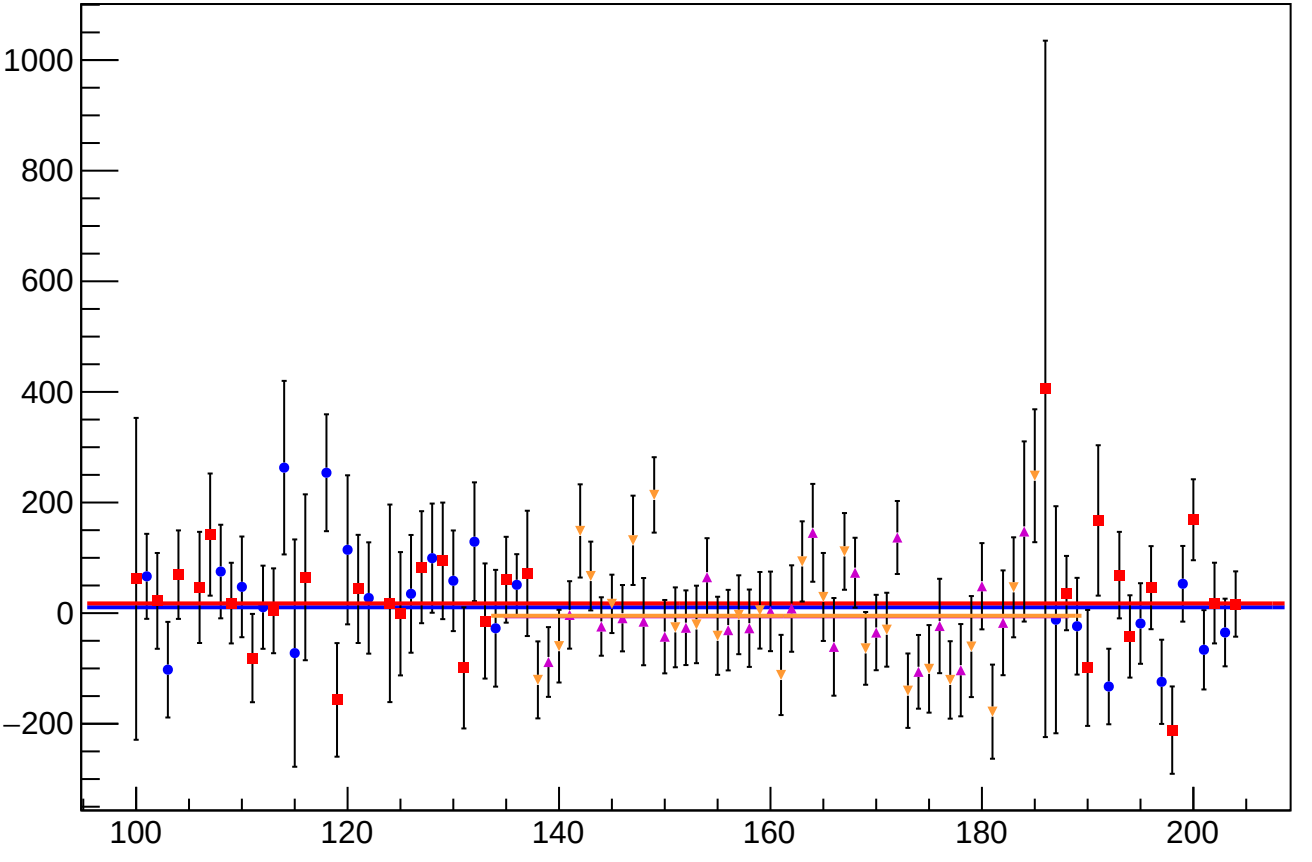
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 355.194+/-0.045 χ^2/NDF: 2804255.5/48

All: 353.877+/-0.032 χ^2/NDF: 6329491.3/101

- sign 352.613+/-0.044 χ^2/NDF: 3523570.1/52

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 10.551+/-17.497 χ^2/NDF: 24.6/23

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 17.591+/-16.502 χ^2/NDF: 26.0/29

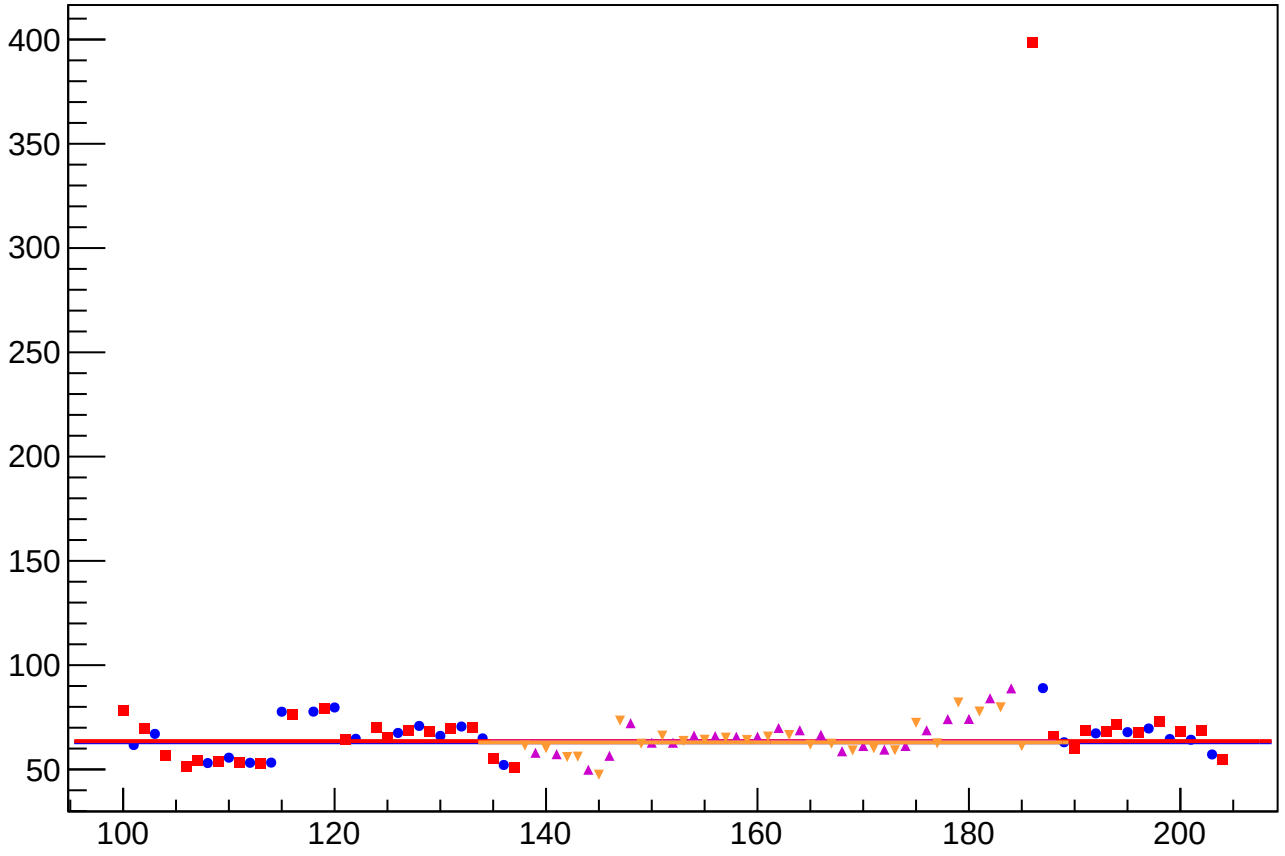
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 1.446+/-11.133 χ^2/NDF: 72.4/48

All: 3.104+/-7.851 χ^2/NDF: 117.8/101

- sign 4.742+/-11.072 χ^2/NDF: 45.4/52

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 63.043+/-0.012 χ^2/NDF: 357443.4/23

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.568+/-0.012 χ^2/NDF: 1013377.8/29

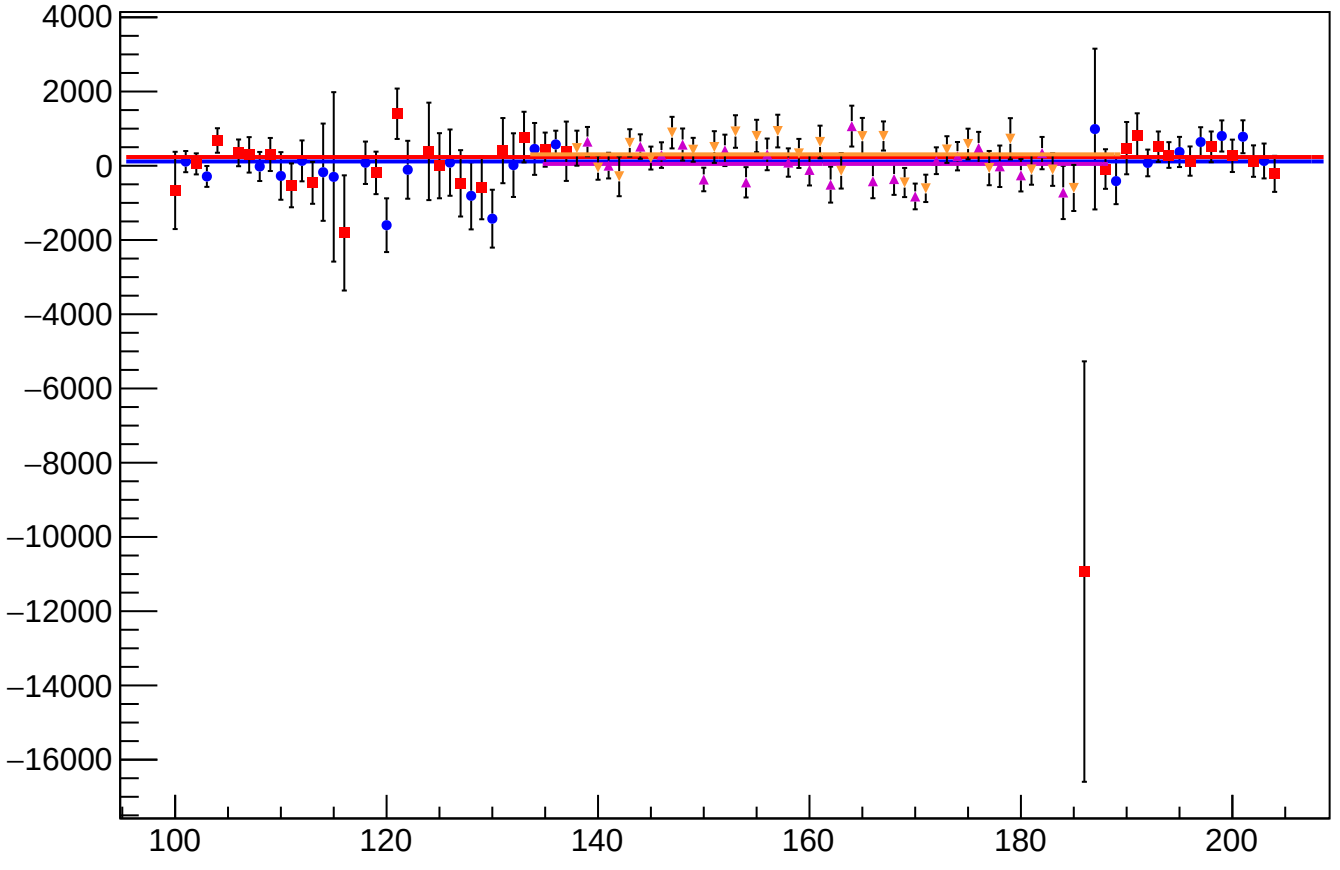
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 63.003+/-0.008 χ^2/NDF: 884320.7/48

All: 63.231+/-0.006 χ^2/NDF: 2396454.7/101

- sign 63.456+/-0.008 χ^2/NDF: 1510469.2/52

asym_sam_37_48_dd_cor_correction_mean vs Slug



Right In: 116.045+/-101.199 χ^2/NDF: 23.1/23

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 235.287+/-93.025 χ^2/NDF: 21.4/29

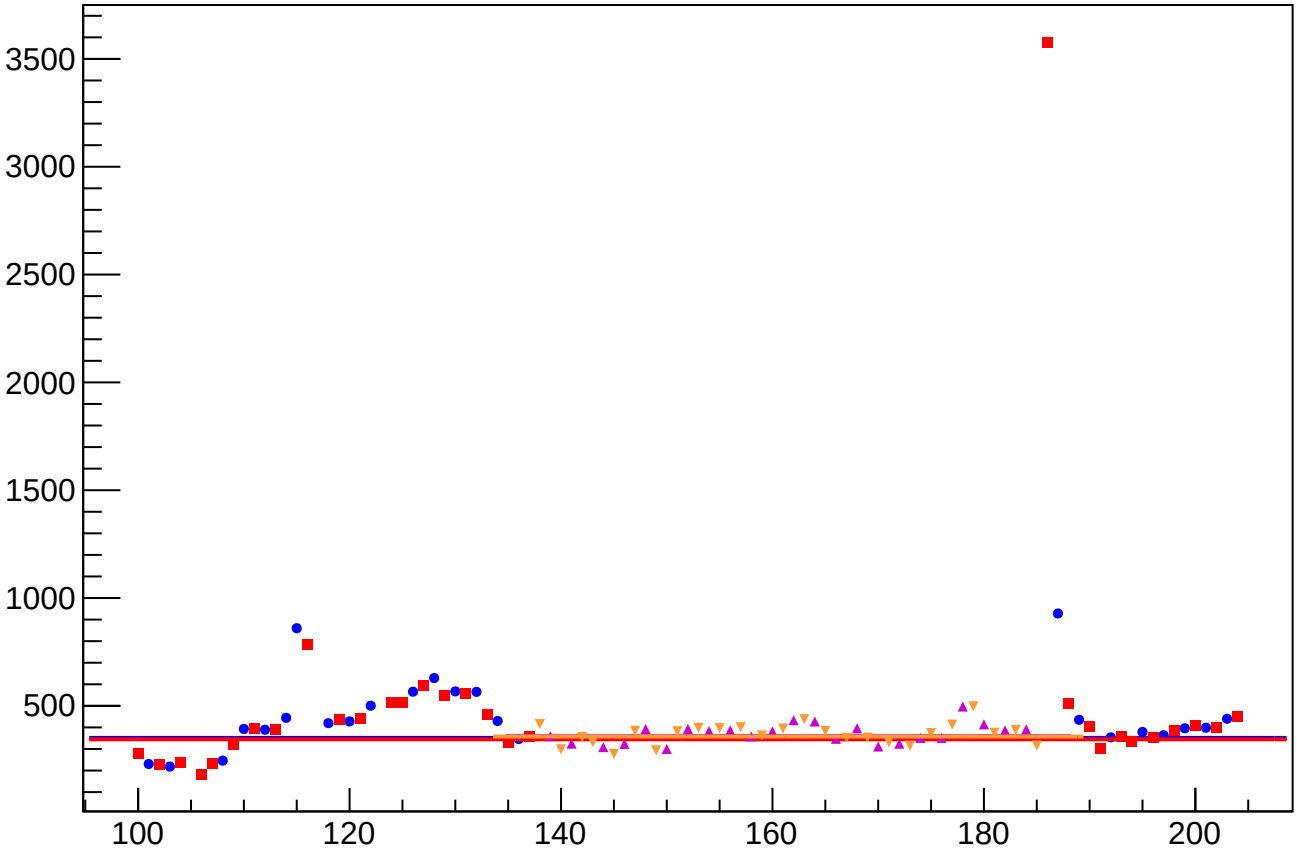
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 231.022+/-63.879 χ^2/NDF: 55.9/48

All: 181.670+/-44.741 χ^2/NDF: 107.9/101

- sign 134.149+/-62.684 χ^2/NDF: 50.8/52

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 351.364+/-0.072 χ^2/NDF: 2115680.5/23

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 344.872+/-0.066 χ^2/NDF: 2991579.9/29

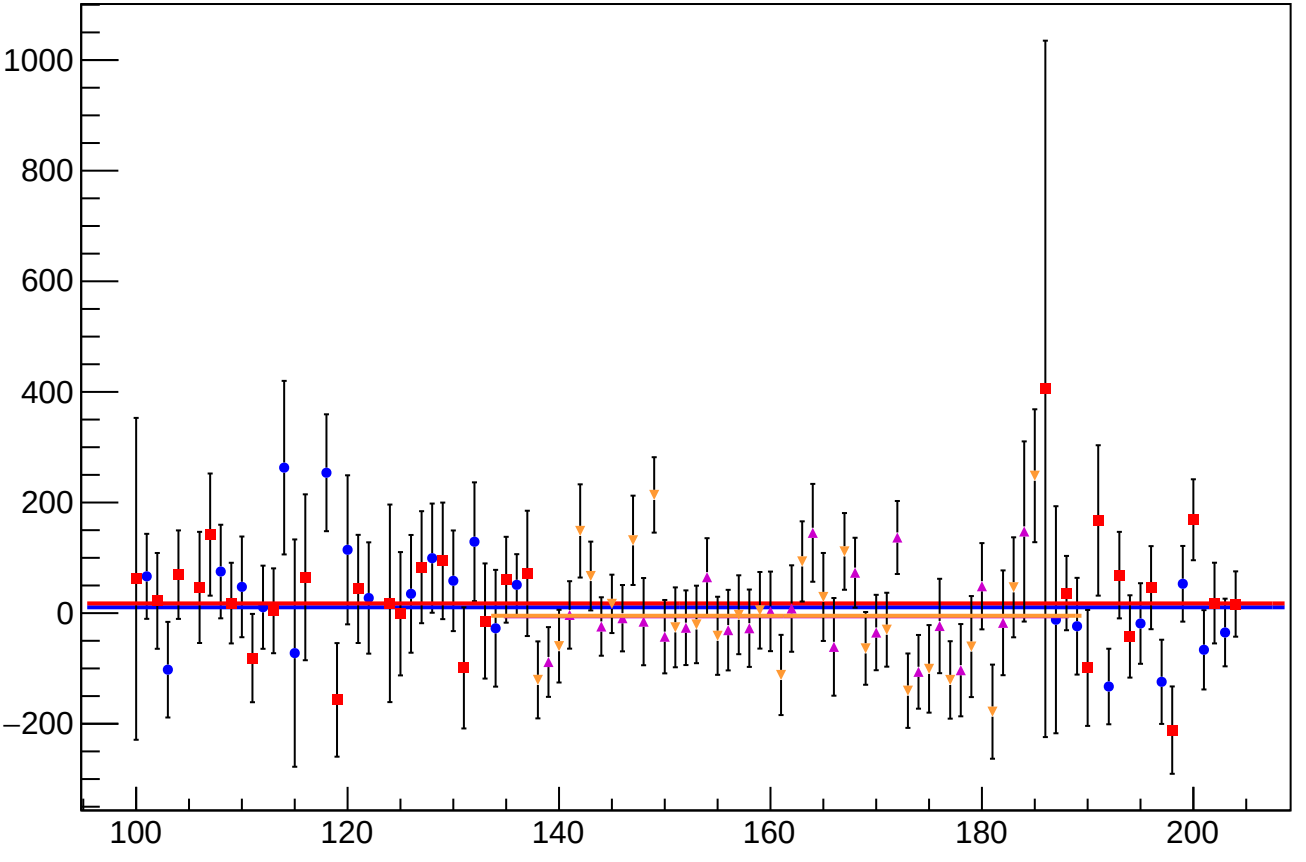
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 355.194+/-0.045 χ^2/NDF: 2804169.8/48

All: 353.963+/-0.032 χ^2/NDF: 6343418.7/101

- sign 352.776+/-0.044 χ^2/NDF: 3537788.7/52

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 10.551+/-17.497 χ^2/NDF: 24.6/23

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 17.591+/-16.502 χ^2/NDF: 26.0/29

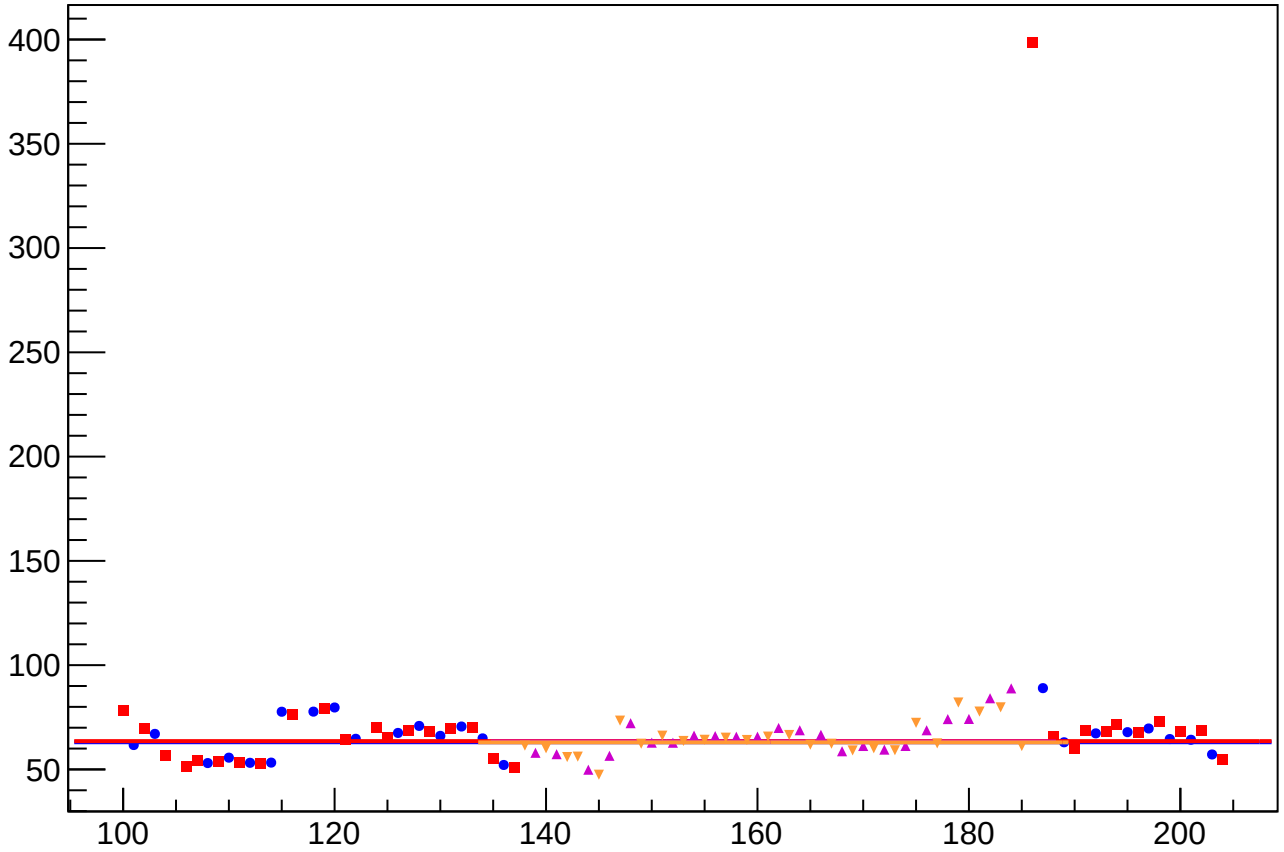
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 1.446+/-11.133 χ^2/NDF: 72.4/48

All: 3.104+/-7.851 χ^2/NDF: 117.8/101

- sign 4.742+/-11.072 χ^2/NDF: 45.4/52

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 63.043+/-0.012 χ^2/NDF: 357443.4/23

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

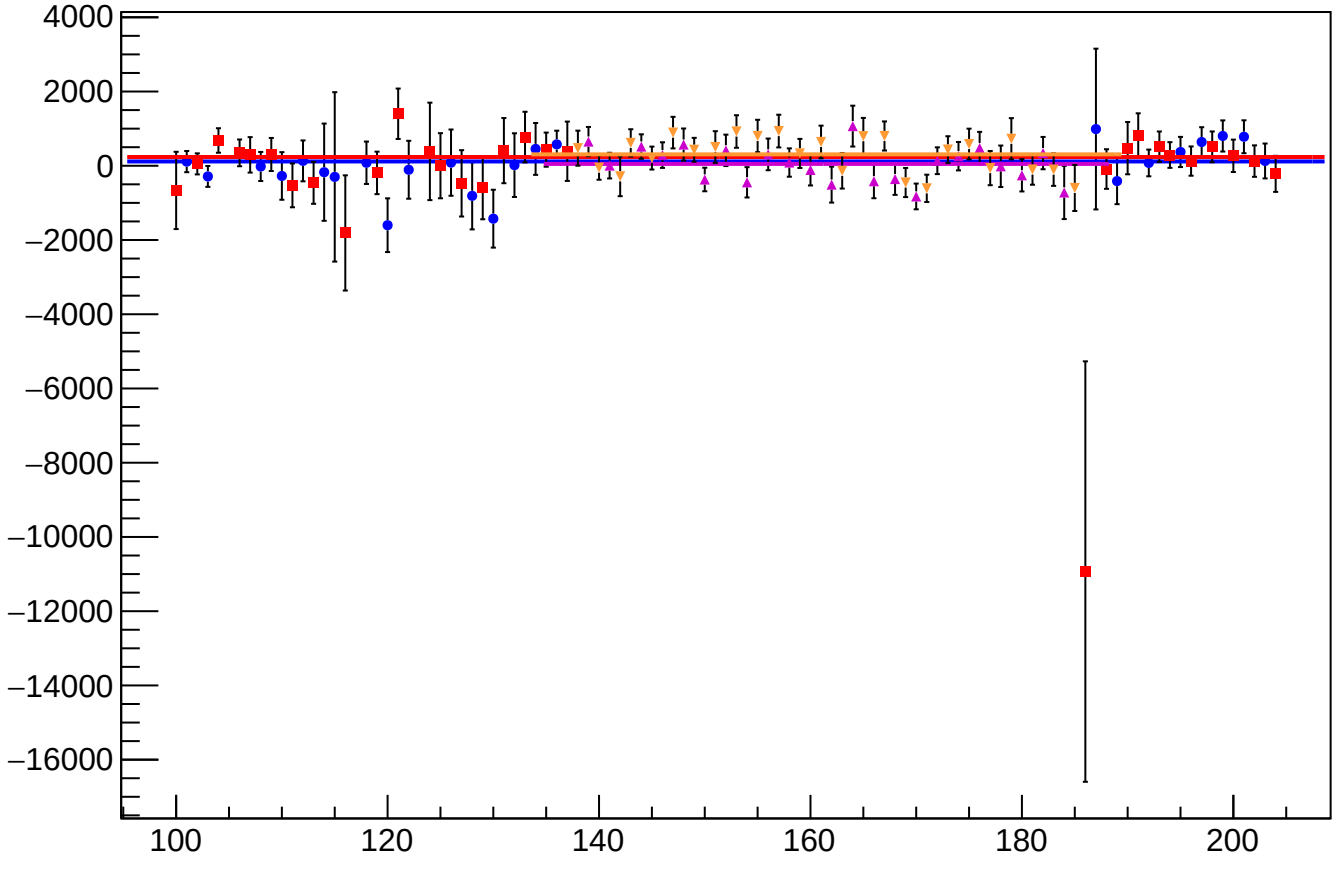
Right Out: 63.568+/-0.012 χ^2/NDF: 1013377.8/29

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 63.003+/-0.008 χ^2/NDF: 884320.7/48

All: 63.231+/-0.006 χ^2/NDF: 2396454.7/101

- sign 63.456+/-0.008 χ^2/NDF: 1510469.2/52



Right In: 116.045+/-101.199 χ^2/NDF: 23.1/23

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 235.287+/-93.025 χ^2/NDF: 21.4/29

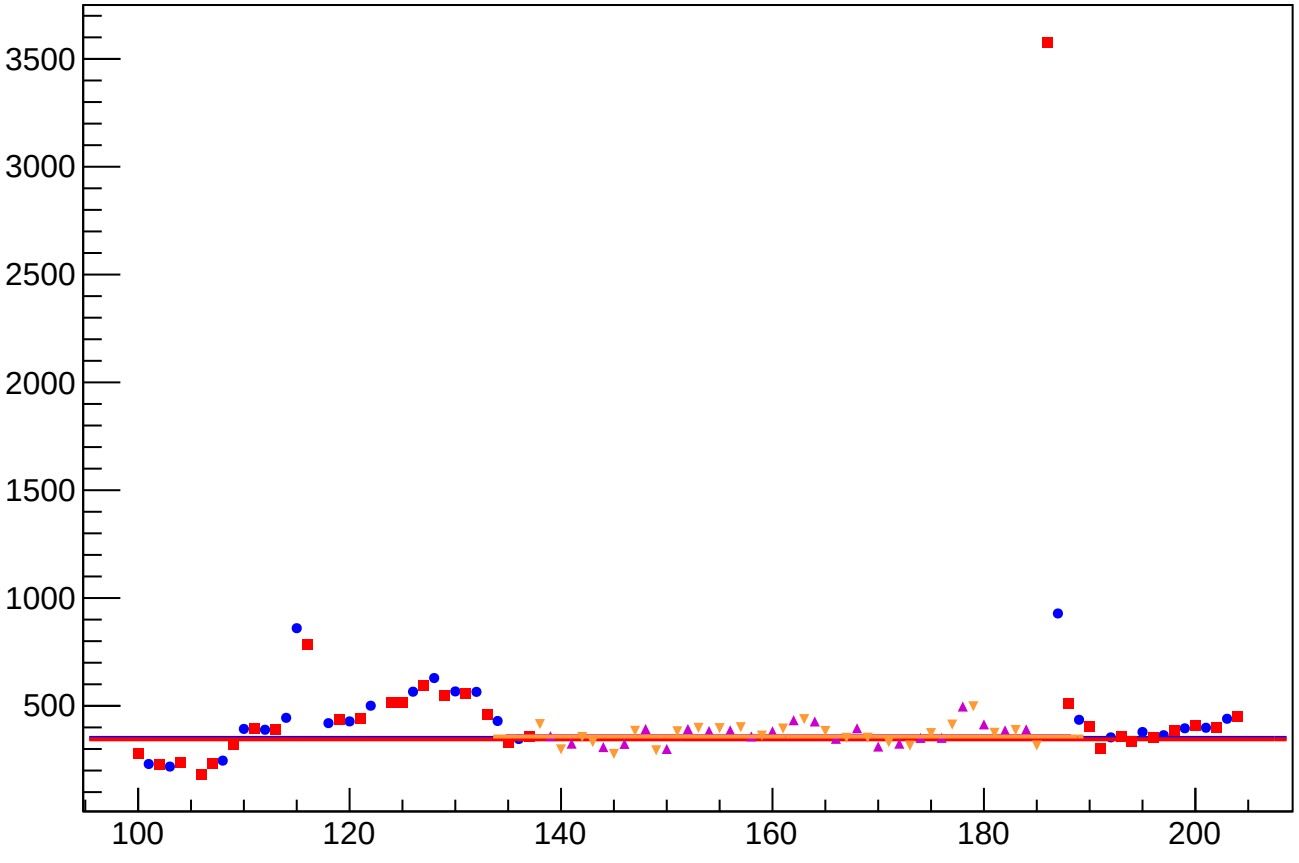
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 231.022+/-63.879 χ^2/NDF: 55.9/48

All: 181.670+/-44.741 χ^2/NDF: 107.9/101

- sign 134.149+/-62.684 χ^2/NDF: 50.8/52

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug



Right In: 351.364+/-0.072 χ^2/NDF: 2115680.5/23

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 344.872+/-0.066 χ^2/NDF: 2991579.9/29

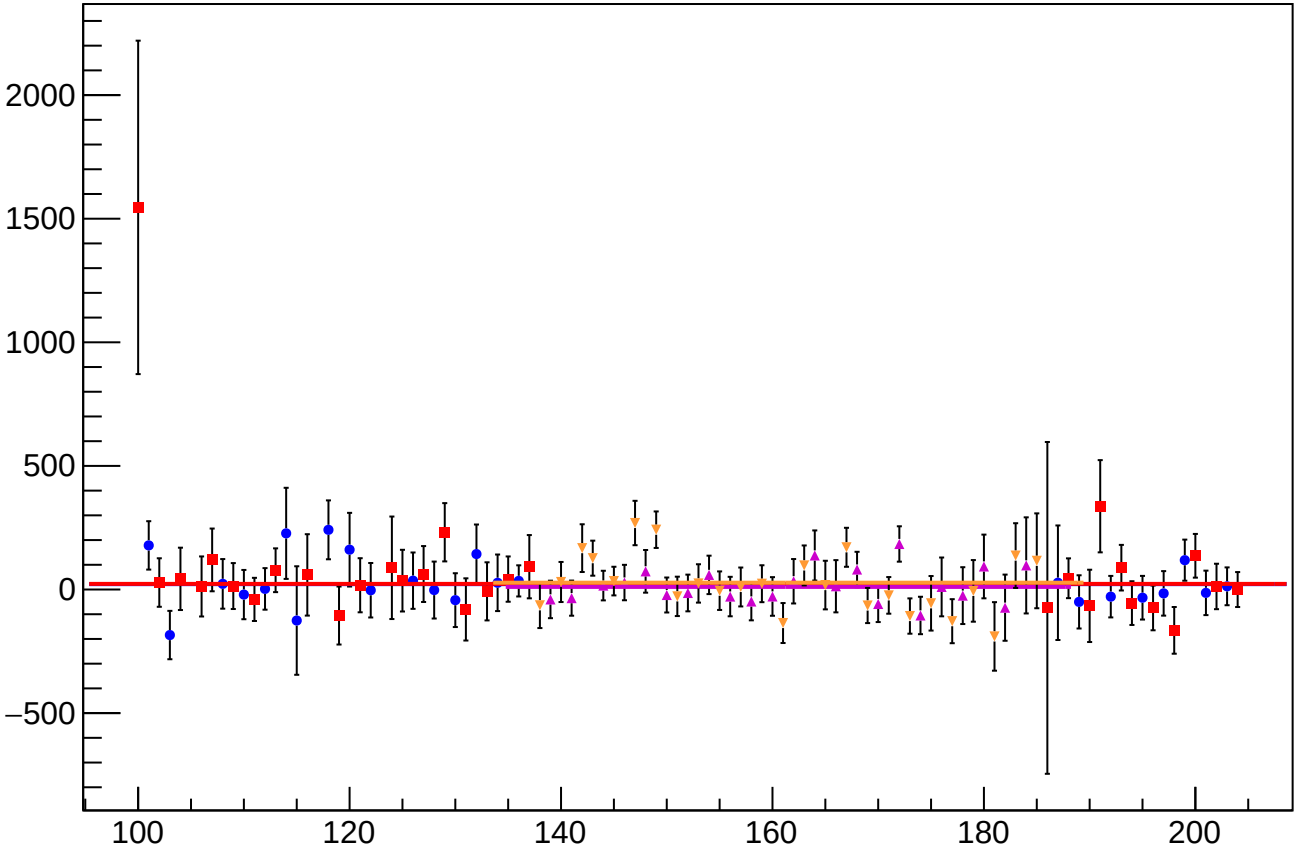
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 355.194+/-0.045 χ^2/NDF: 2804169.8/48

All: 353.963+/-0.032 χ^2/NDF: 6343418.7/101

- sign 352.776+/-0.044 χ^2/NDF: 3537788.7/52

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 21.703+/-20.537 χ^2/NDF: 17.6/23

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 22.723+/-19.694 χ^2/NDF: 23.8/29

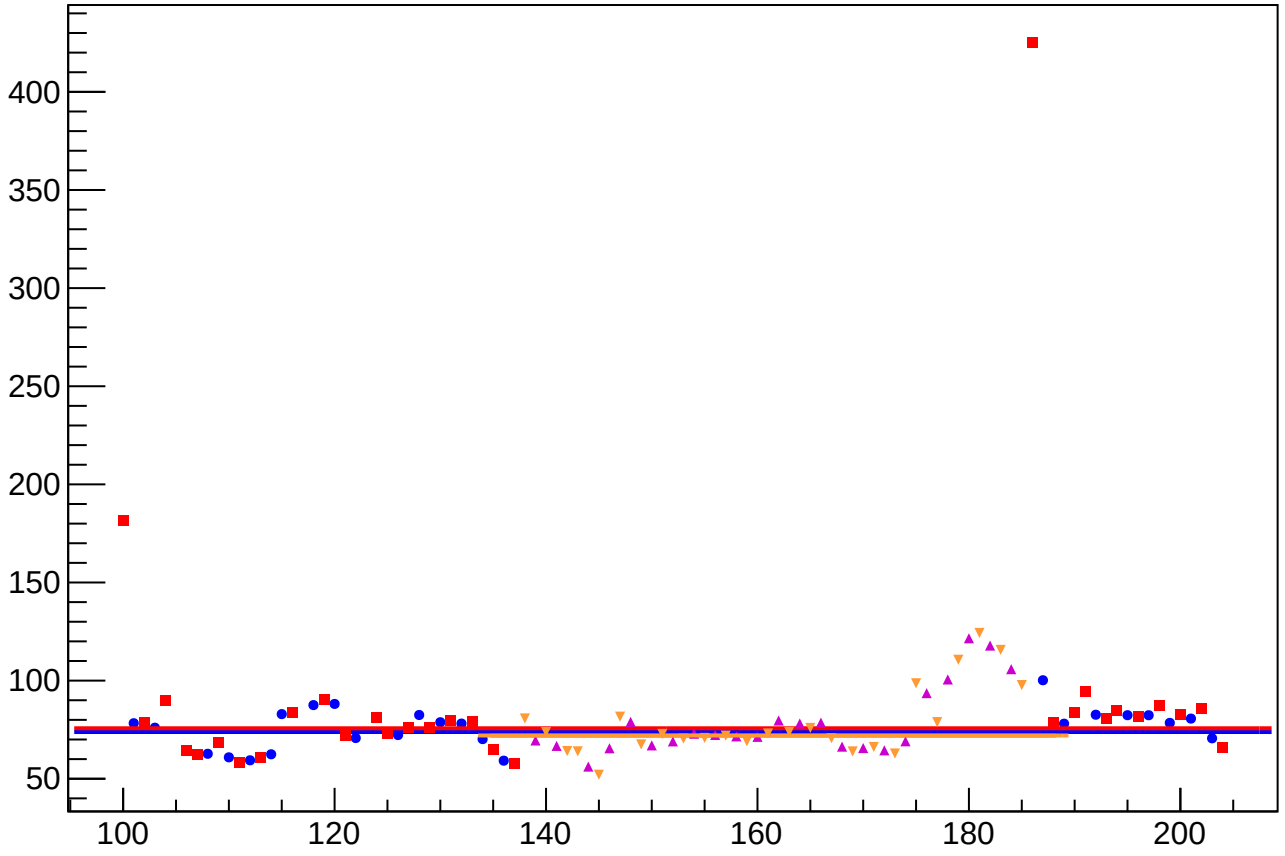
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 25.262+/-12.977 χ^2/NDF: 60.0/48

All: 20.532+/-9.172 χ^2/NDF: 100.4/101

- sign 15.810+/-12.965 χ^2/NDF: 40.1/52

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.816+/-0.015 χ^2/NDF: 416664.9/23

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.713+/-0.014 χ^2/NDF: 1088871.0/29

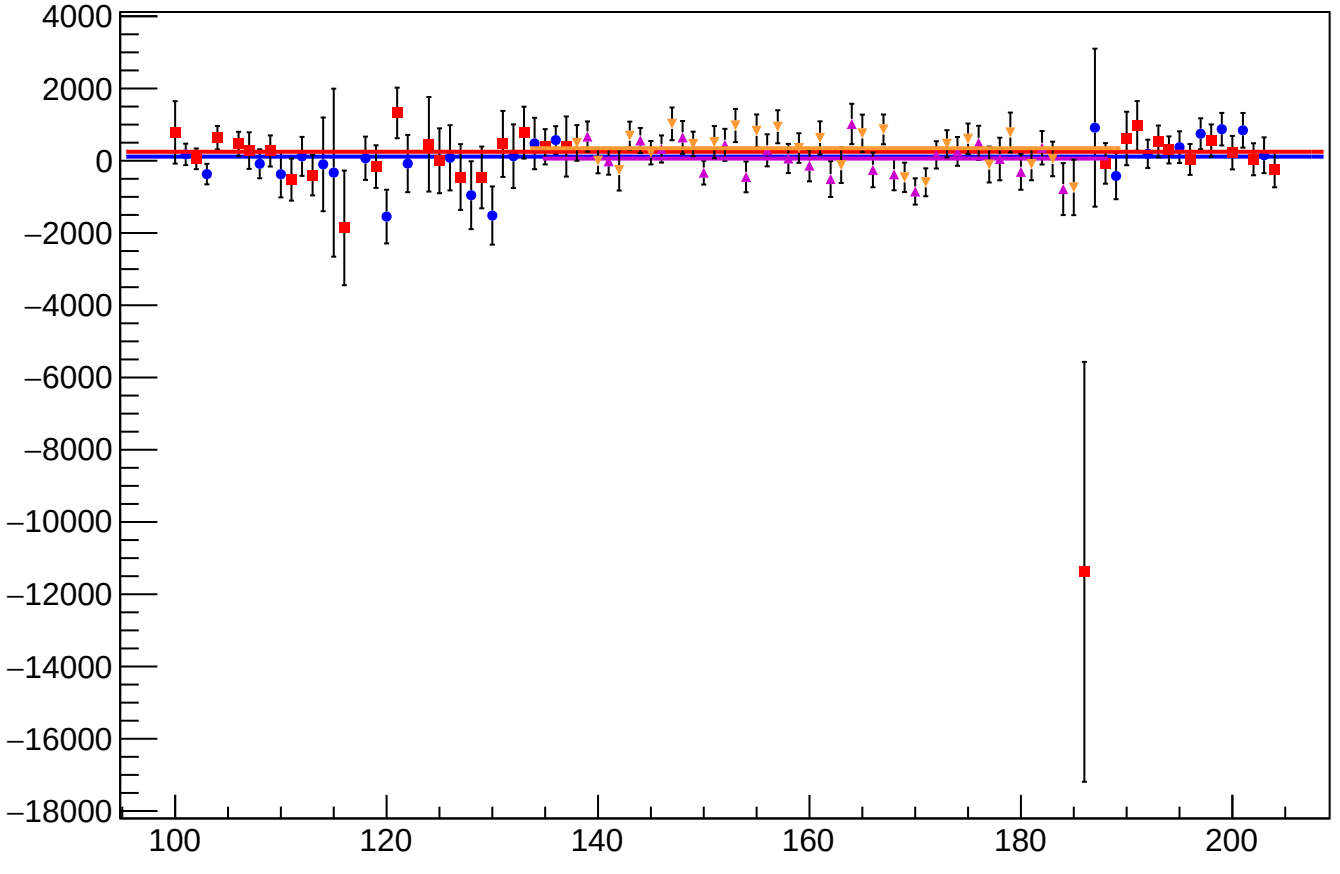
Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.750+/-0.009 χ^2/NDF: 1695119.0/48

All: 73.206+/-0.006 χ^2/NDF: 3886082.0/101

- sign 73.661+/-0.009 χ^2/NDF: 2186023.1/52

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: 113.428+/-105.554 χ^2/NDF: 24.5/23

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 248.792+/-95.565 χ^2/NDF: 20.5/29

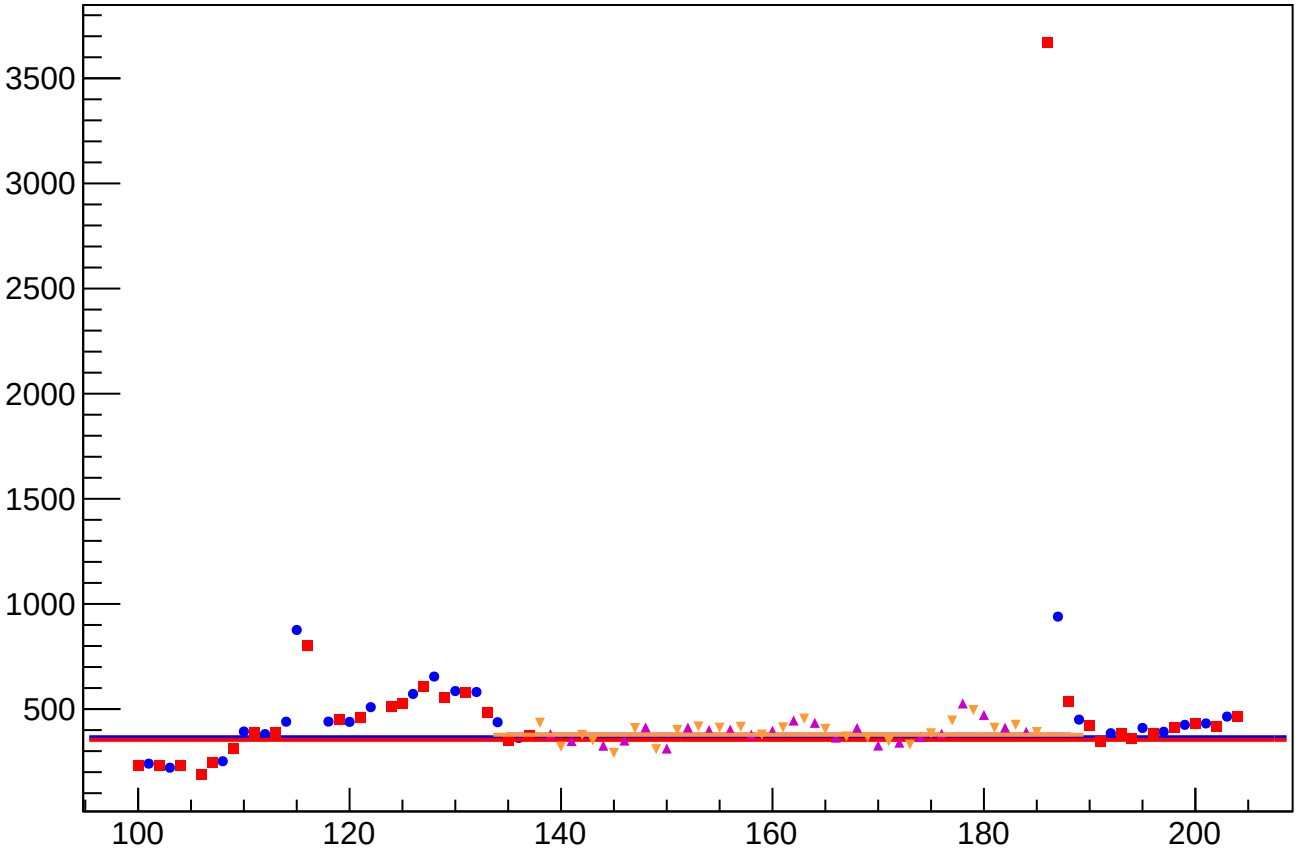
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 252.131+/-67.053 χ^2/NDF: 56.3/48

All: 198.717+/-46.778 χ^2/NDF: 106.0/101

- sign 148.074+/-65.291 χ^2/NDF: 48.4/52

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 366.087+/-0.075 χ^2/NDF: 2198213.8/23

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 353.660+/-0.068 χ^2/NDF: 3251197.7/29

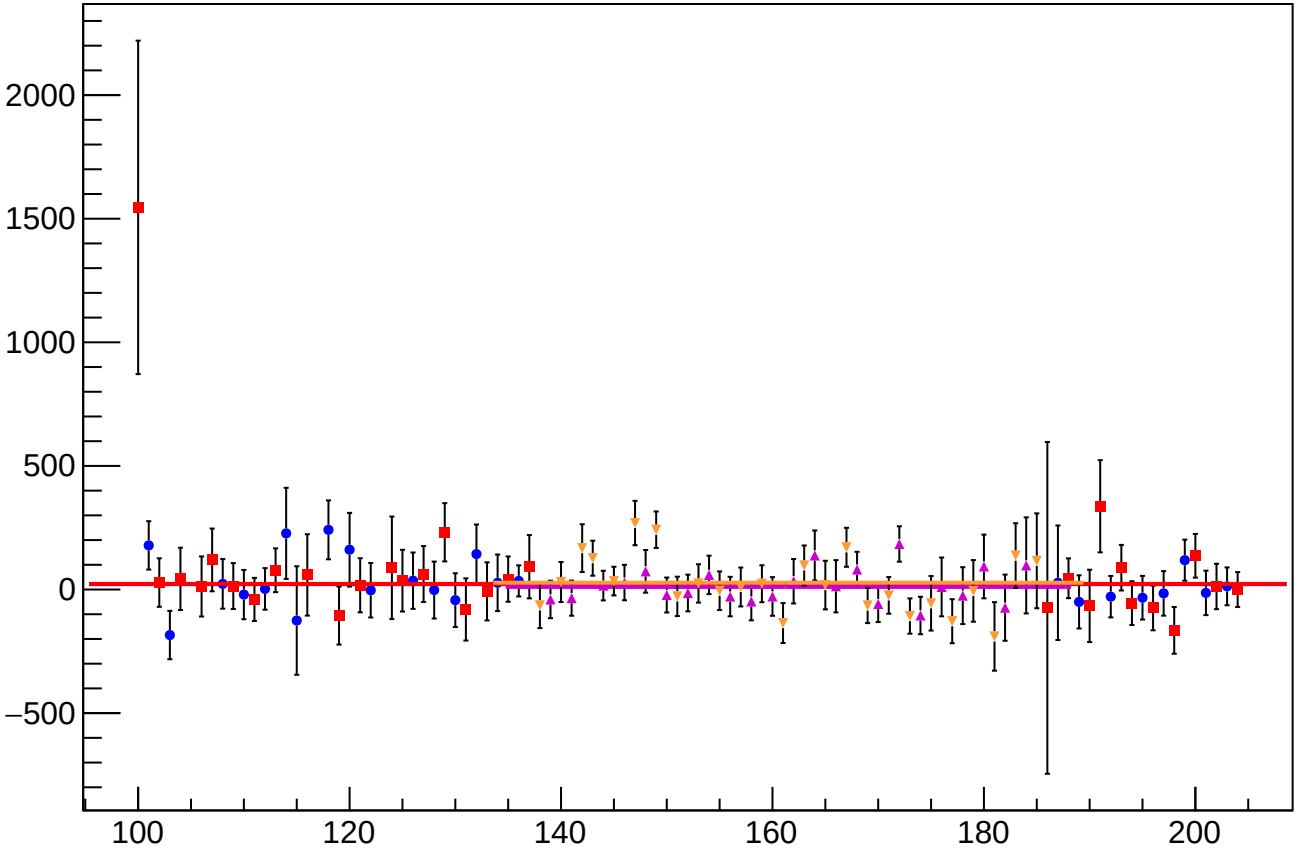
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 373.071+/-0.047 χ^2/NDF: 2849608.7/48

All: 370.007+/-0.033 χ^2/NDF: 6710839.5/101

- sign 367.102+/-0.046 χ^2/NDF: 3853094.8/52

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 21.704+/-20.537 χ^2/NDF: 17.6/23

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 22.723+/-19.694 χ^2/NDF: 23.8/29

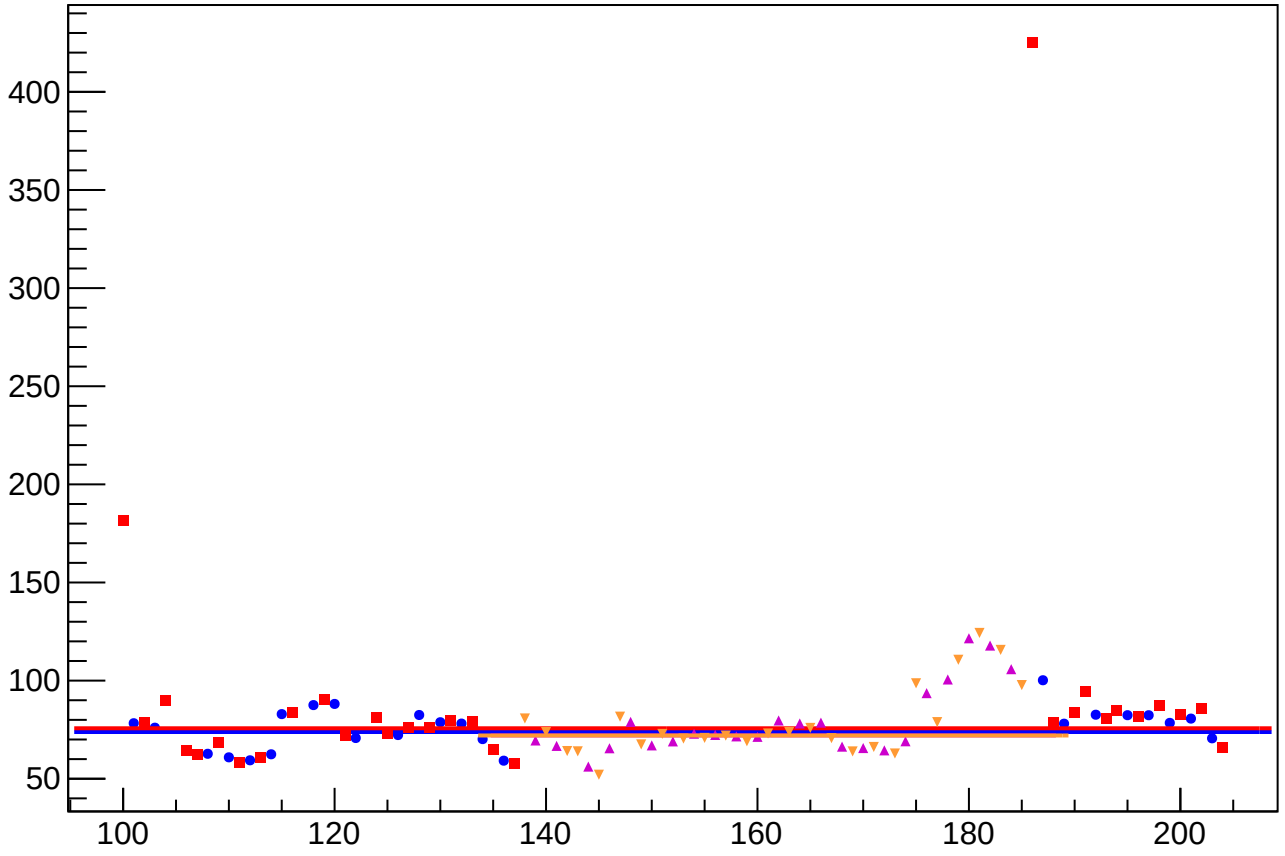
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 25.262+/-12.977 χ^2/NDF: 60.0/48

All: 20.532+/-9.172 χ^2/NDF: 100.4/101

- sign 15.810+/-12.965 χ^2/NDF: 40.1/52

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.816+/-0.015 χ^2/NDF: 416661.8/23

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

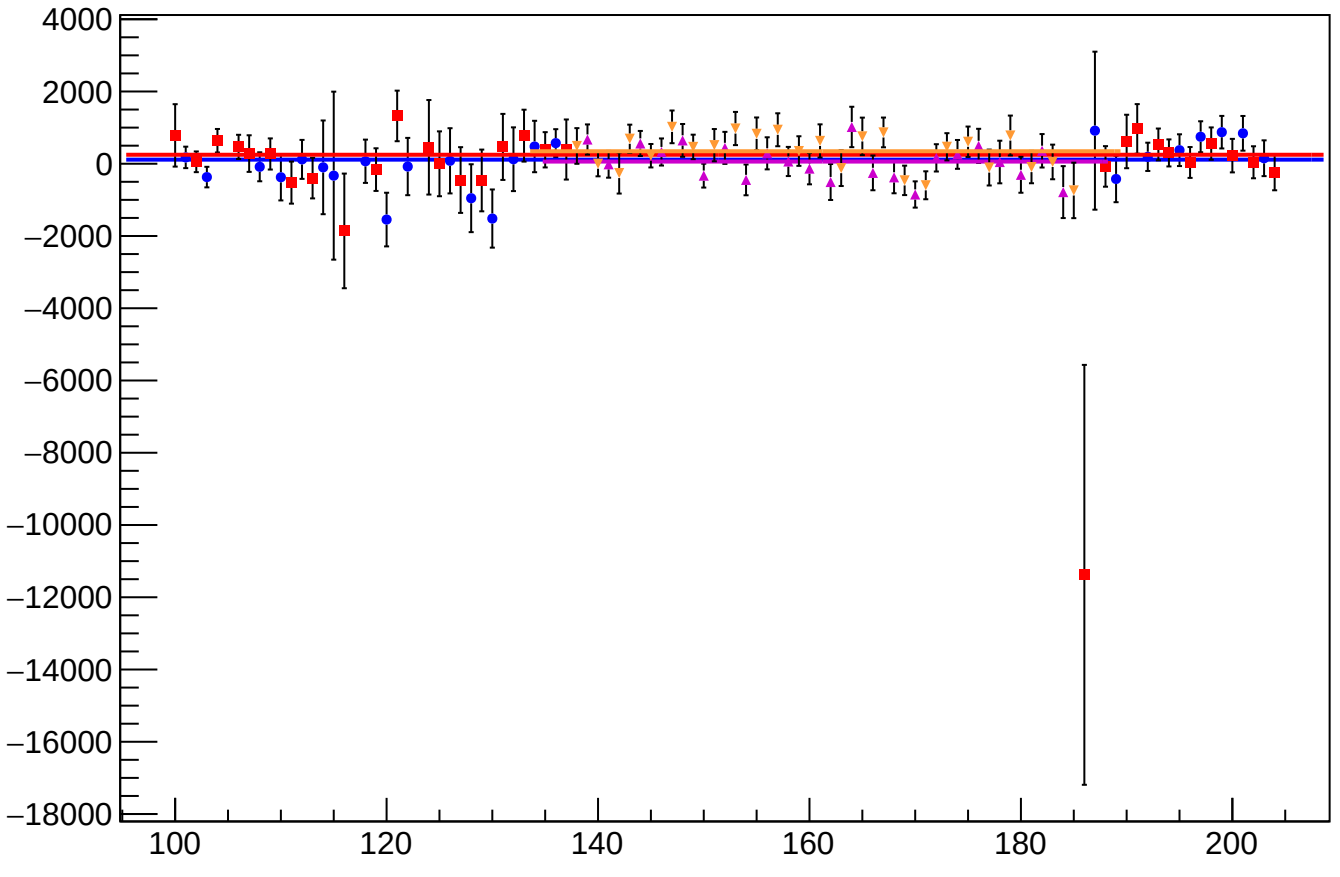
Right Out: 75.712+/-0.014 χ^2/NDF: 1088874.7/29

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.750+/-0.009 χ^2/NDF: 1695123.1/48

All: 73.206+/-0.006 χ^2/NDF: 3886078.1/101

- sign 73.661+/-0.009 χ^2/NDF: 2186015.4/52



Right In: 113.428+/-105.554 χ^2/NDF: 24.5/23

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

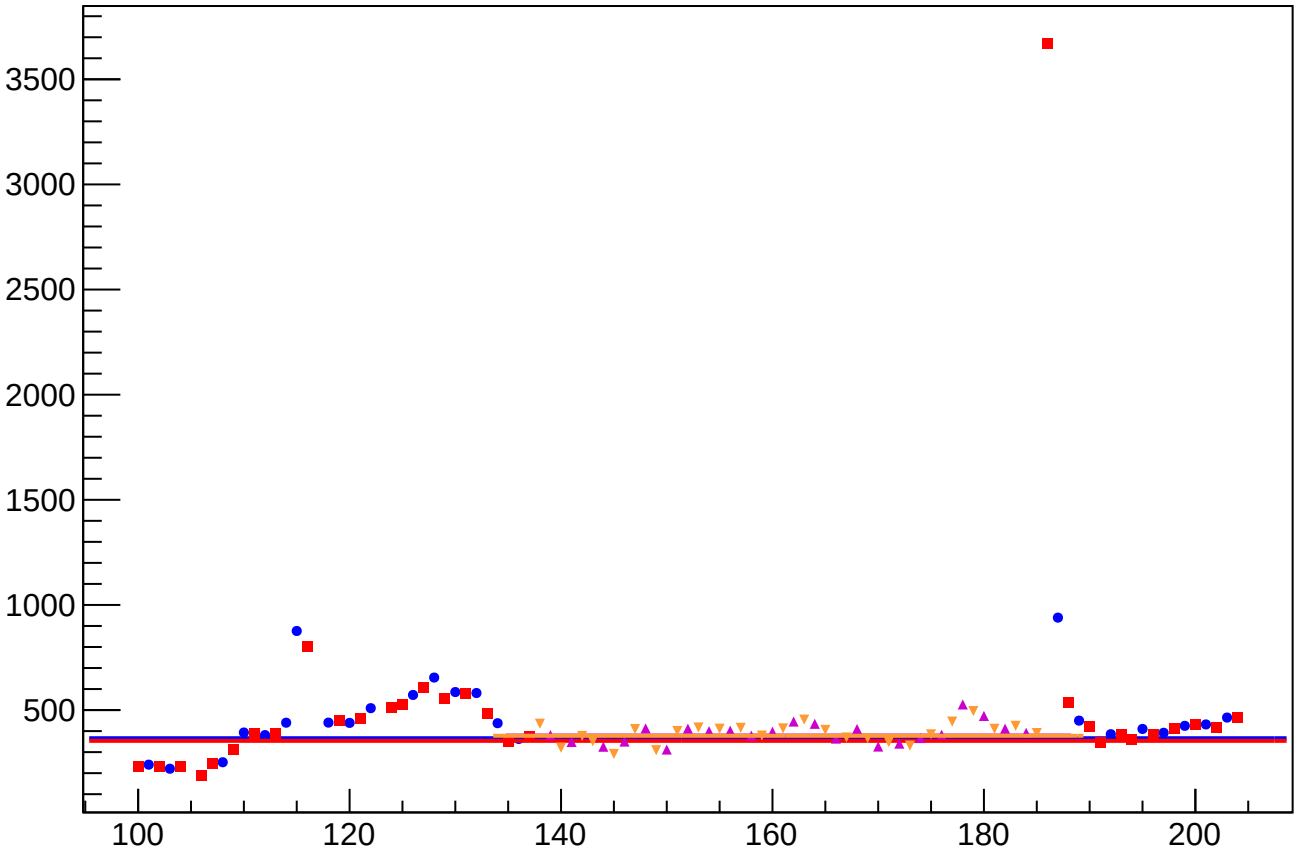
Right Out: 248.792+/-95.565 χ^2/NDF: 20.5/29

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

\+ sign 252.131+/-67.053 χ^2/NDF: 56.3/48

All: 198.716+/-46.778 χ^2/NDF: 106.0/101

\- sign 148.073+/-65.290 χ^2/NDF: 48.4/52



Right In: 366.087+/-0.075 χ^2/NDF: 2198204.1/23

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 353.659+/-0.068 χ^2/NDF: 3251182.8/29

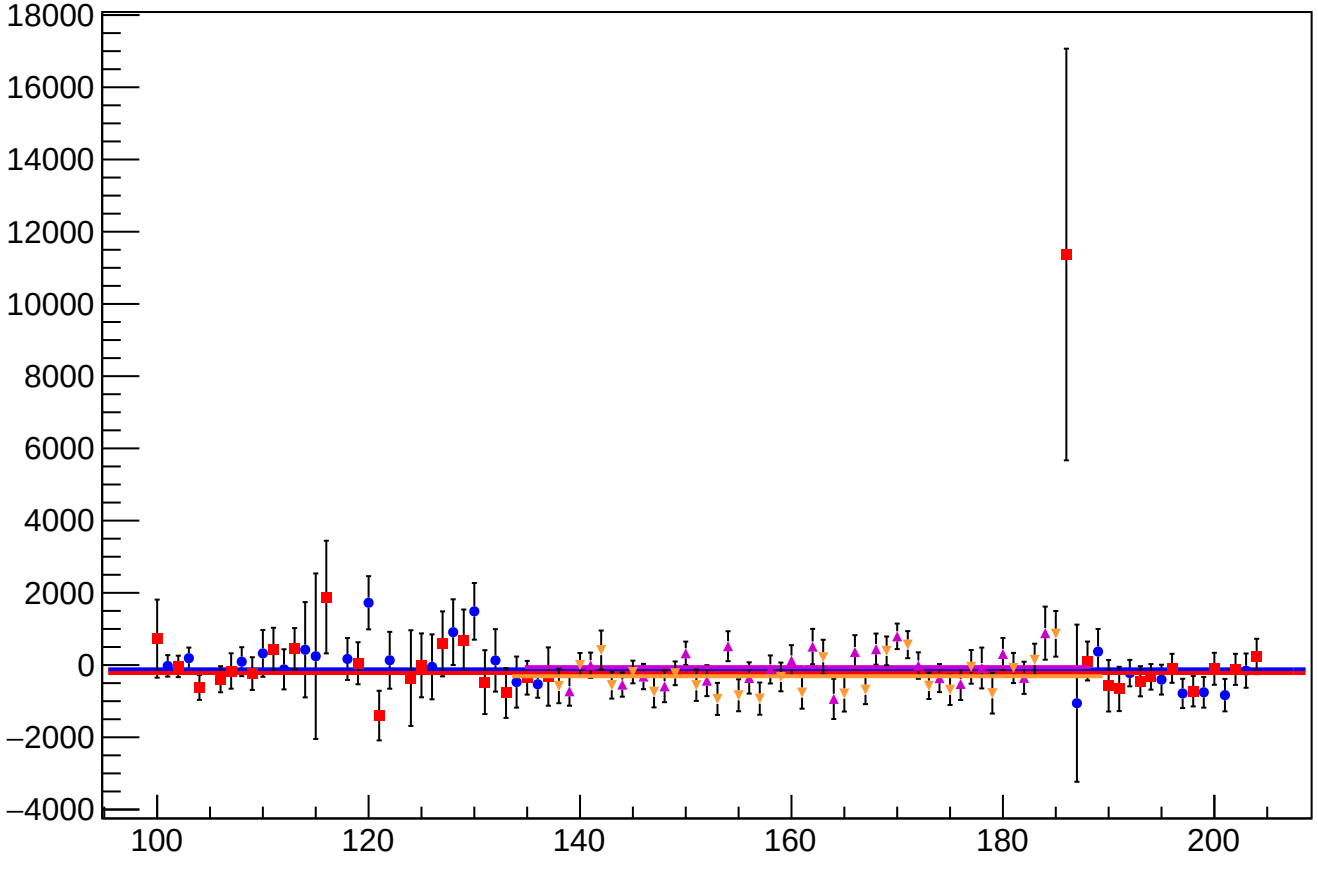
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 373.071+/-0.047 χ^2/NDF: 2849598.3/48

All: 370.007+/-0.033 χ^2/NDF: 6710809.9/101

- sign 367.102+/-0.046 χ^2/NDF: 3853075.6/52

asym_sam_37_48_dd_mean vs Slug



Right In: -118.642+/-103.392 χ^2/NDF: 24.6/23

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -219.129+/-94.863 χ^2/NDF: 21.4/29

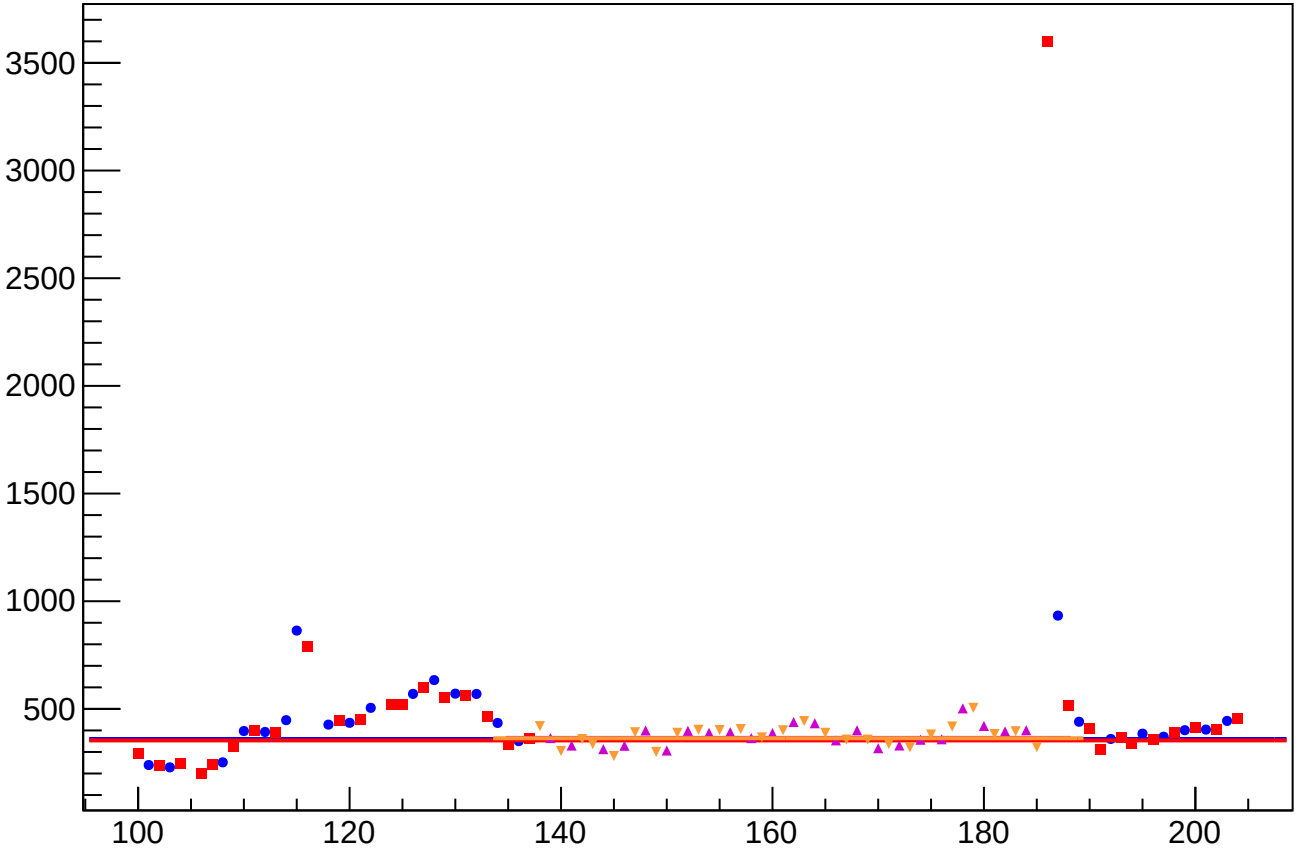
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -233.830+/-65.057 χ^2/NDF: 56.6/48

All: -181.236+/-45.554 χ^2/NDF: 108.9/101

- sign -130.646+/-63.806 χ^2/NDF: 51.0/52

asym_sam_37_48_dd_rms vs Slug



Right In: 360.091+/-0.073 χ^2/NDF: 1964717.5/23

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

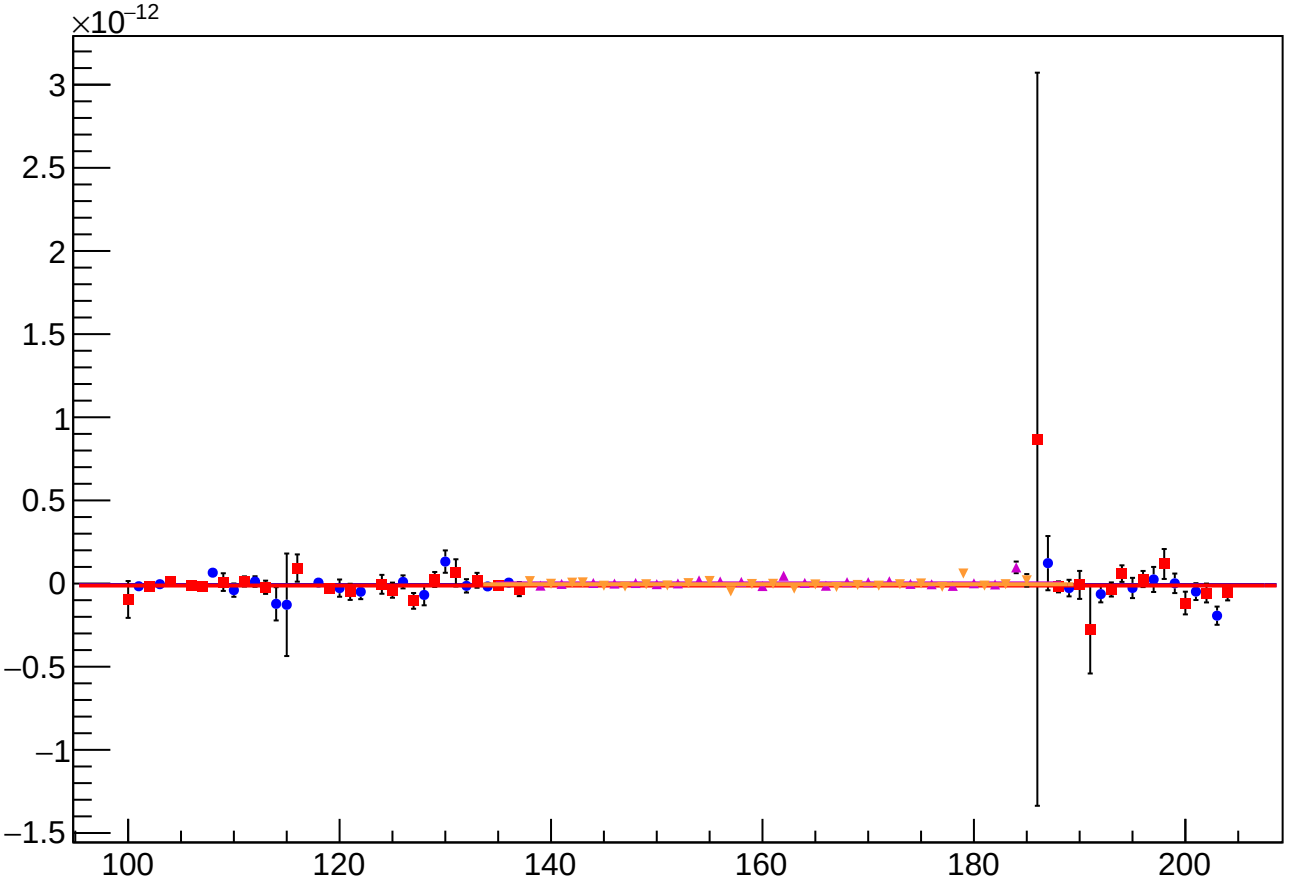
Right Out: 353.683+/-0.067 χ^2/NDF: 2797073.2/29

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 362.280+/-0.046 χ^2/NDF: 2635445.4/48

All: 361.147+/-0.032 χ^2/NDF: 5959697.5/101

- sign 360.057+/-0.045 χ^2/NDF: 3323062.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 31.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

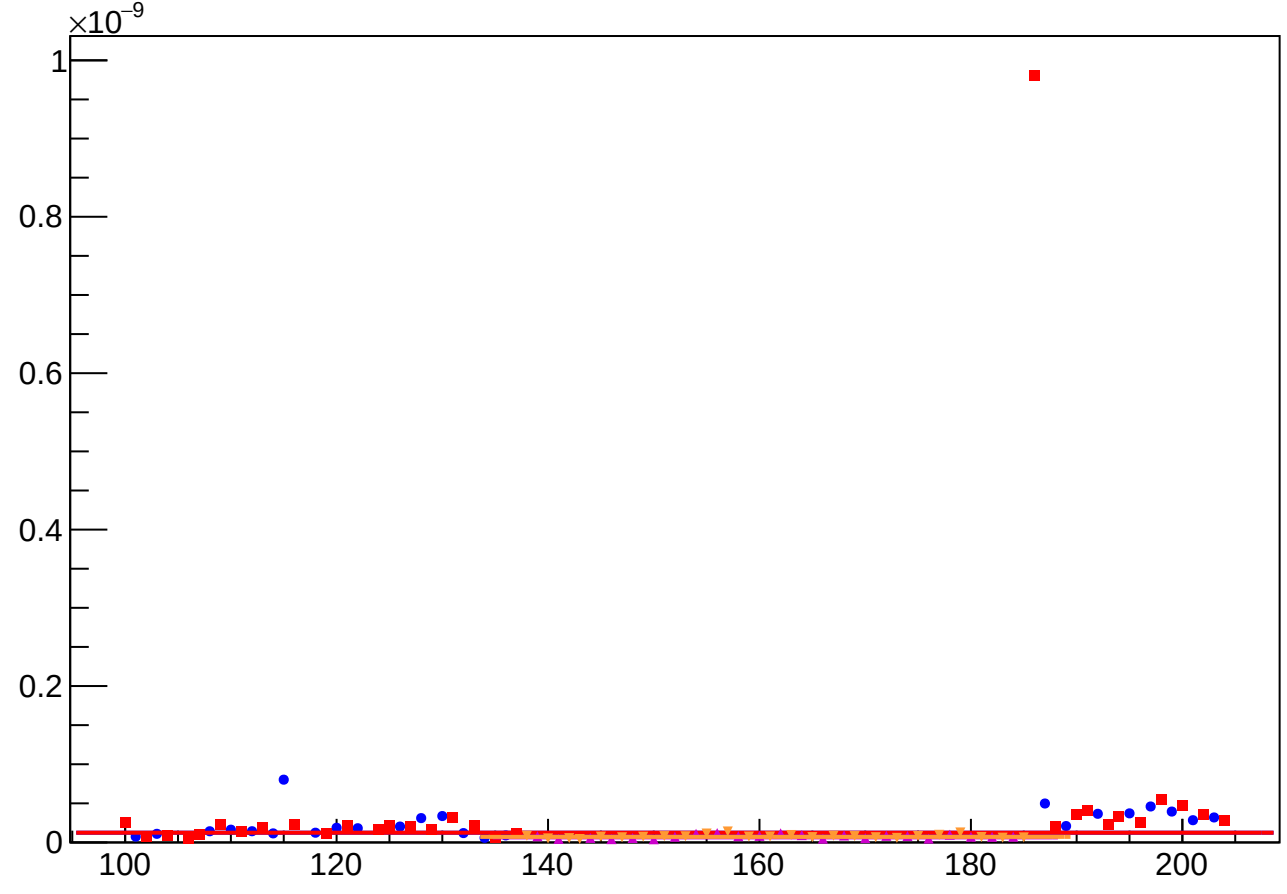
Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/29

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.6/48

All: -0.000+/-0.000 χ^2/NDF: 103.3/101

- sign -0.000+/-0.000 χ^2/NDF: 48.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 3618166.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4552440.6/29

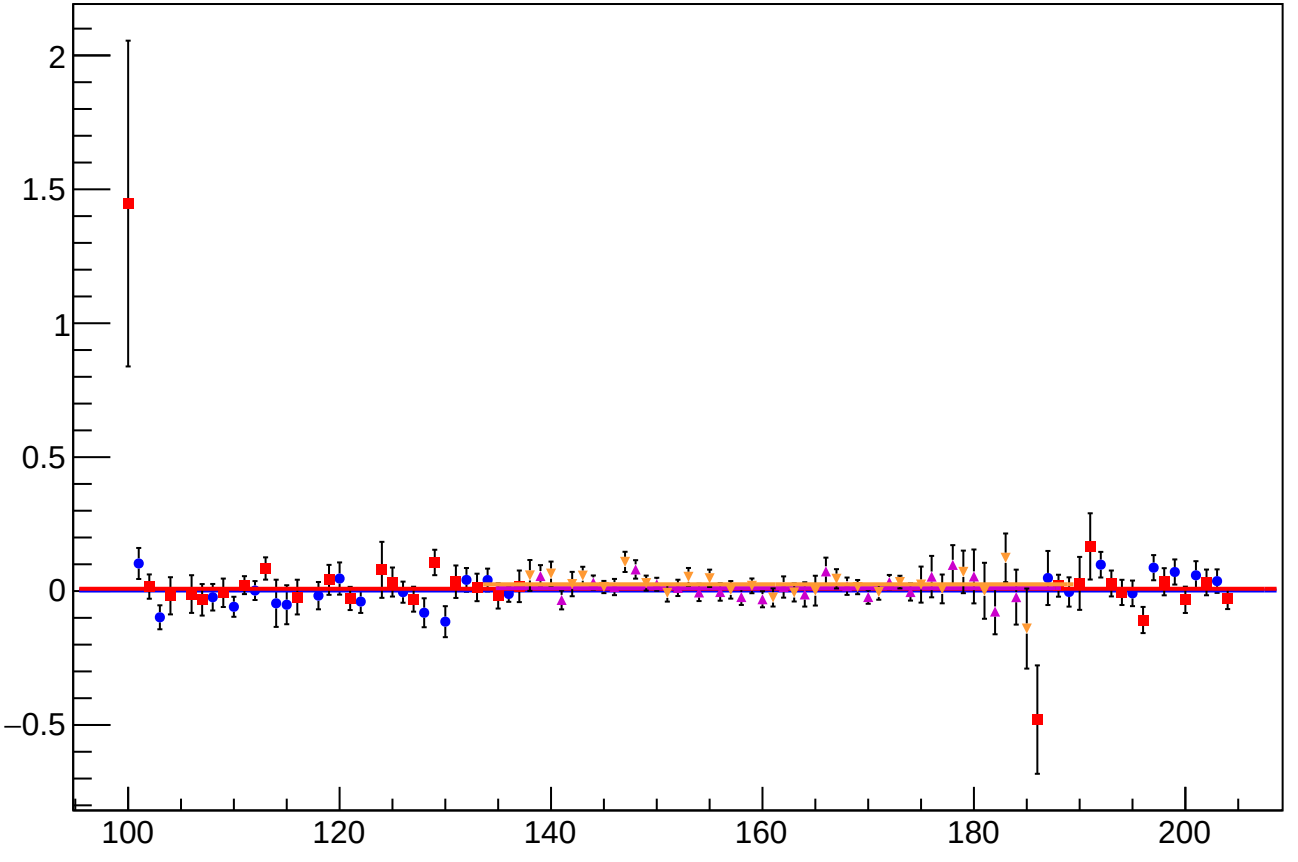
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5747109.5/48

All: 0.000+/-0.000 χ^2/NDF: 13243895.4/101

- sign 0.000+/-0.000 χ^2/NDF: 7449644.1/52

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.010 χ^2/NDF: 33.3/23

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.009+/-0.010 χ^2/NDF: 33.1/29

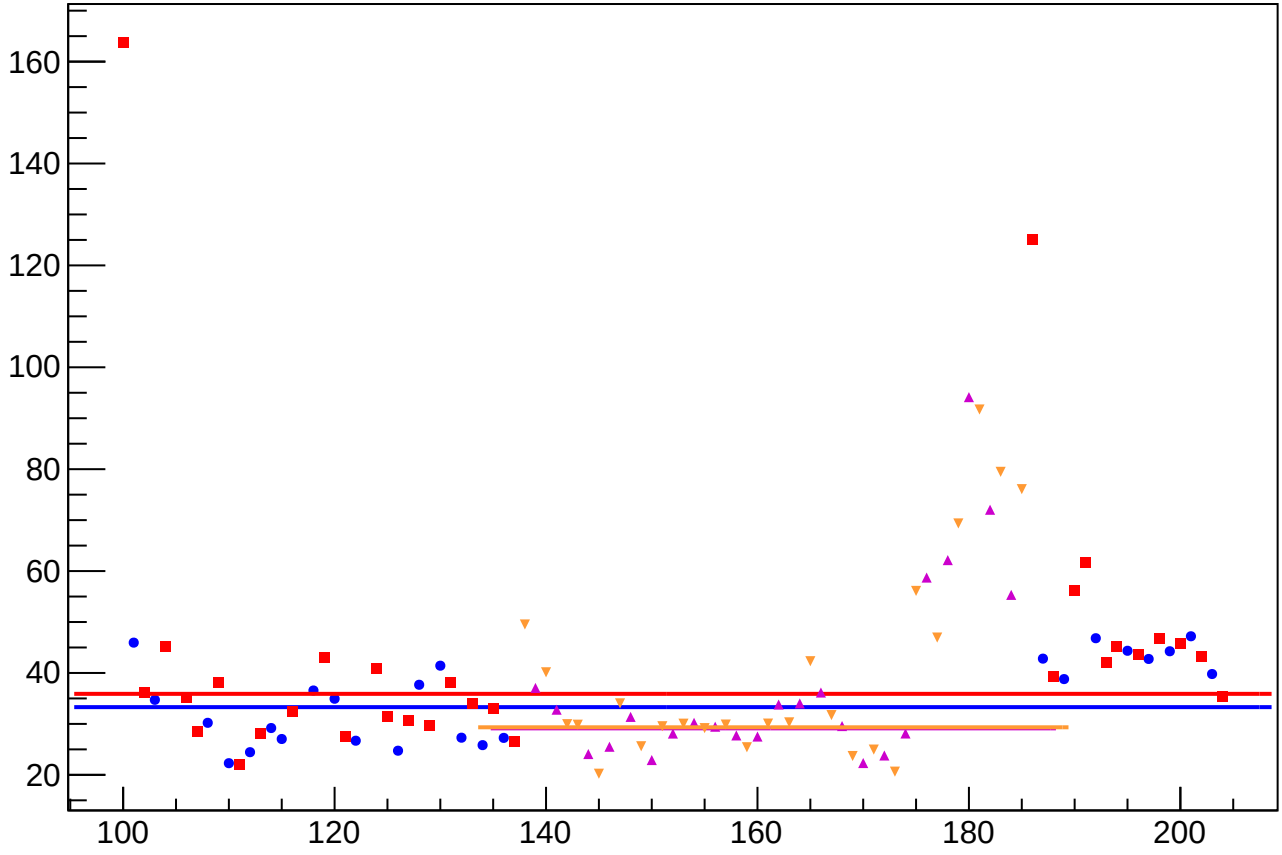
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.017+/-0.006 χ^2/NDF: 54.4/48

All: 0.014+/-0.004 χ^2/NDF: 107.3/101

- sign 0.010+/-0.006 χ^2/NDF: 52.1/52

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 33.292+/-0.007 χ^2/NDF: 1489790.0/23

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

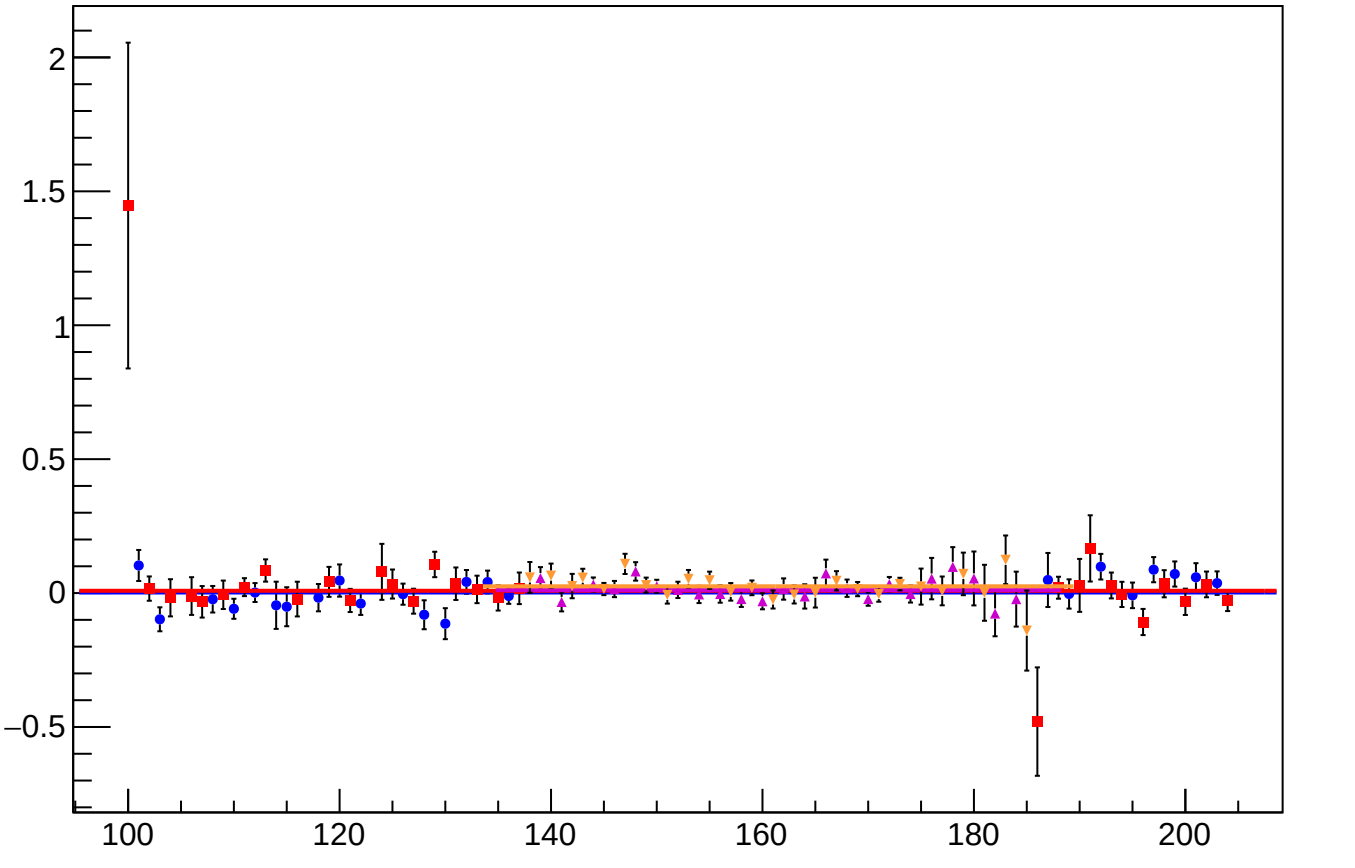
Right Out: 35.900+/-0.007 χ^2/NDF: 1777163.6/29

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 30.755+/-0.004 χ^2/NDF: 5582744.4/48

All: 31.174+/-0.003 χ^2/NDF: 10851408.3/101

- sign 31.603+/-0.004 χ^2/NDF: 5247126.9/52



Right In: 0.002+/-0.010 χ^2/NDF: 33.3/23

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

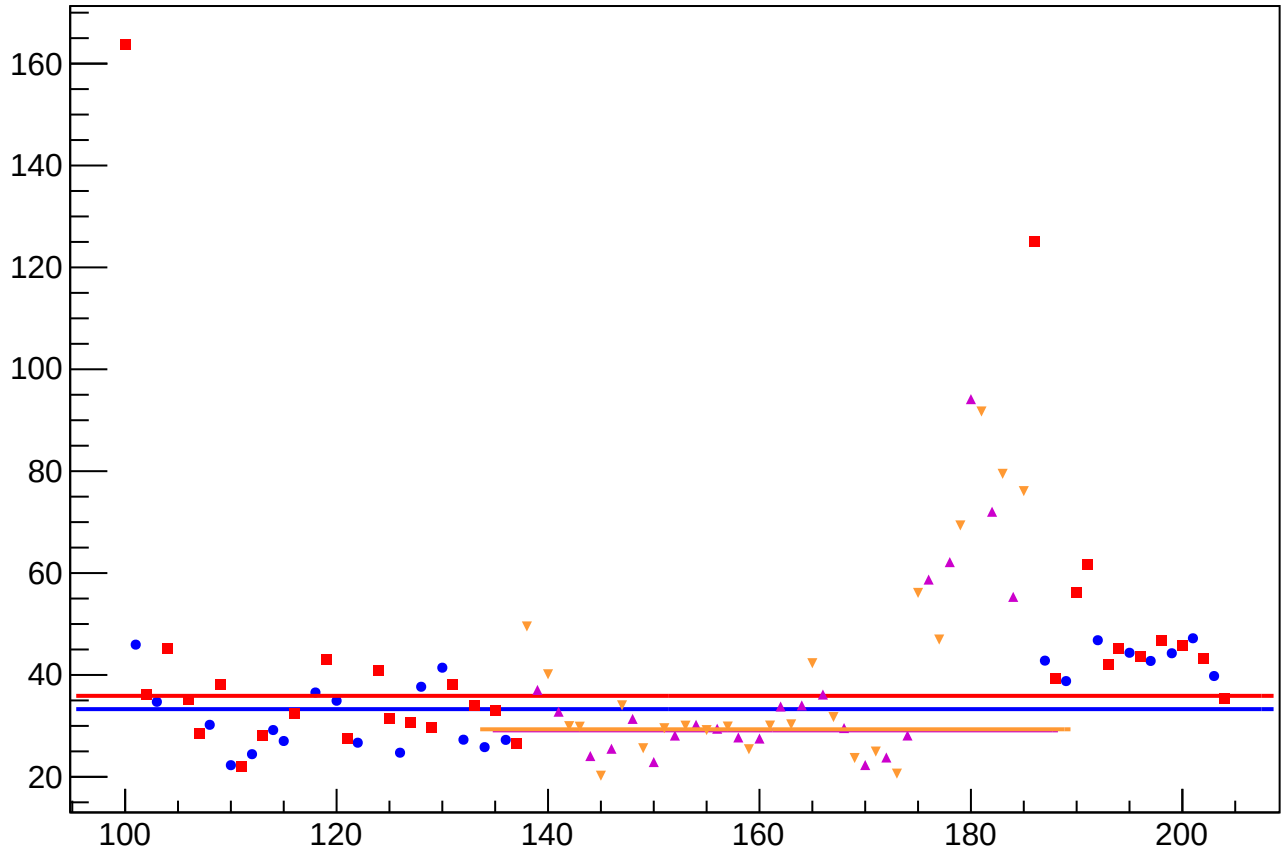
Right Out: 0.009+/-0.010 χ^2/NDF: 33.1/29

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.017+/-0.006 χ^2/NDF: 54.4/48

All: 0.014+/-0.004 χ^2/NDF: 107.3/101

- sign 0.010+/-0.006 χ^2/NDF: 52.1/52



Right In: 33.292+/-0.007 χ^2/NDF: 1489790.0/23

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

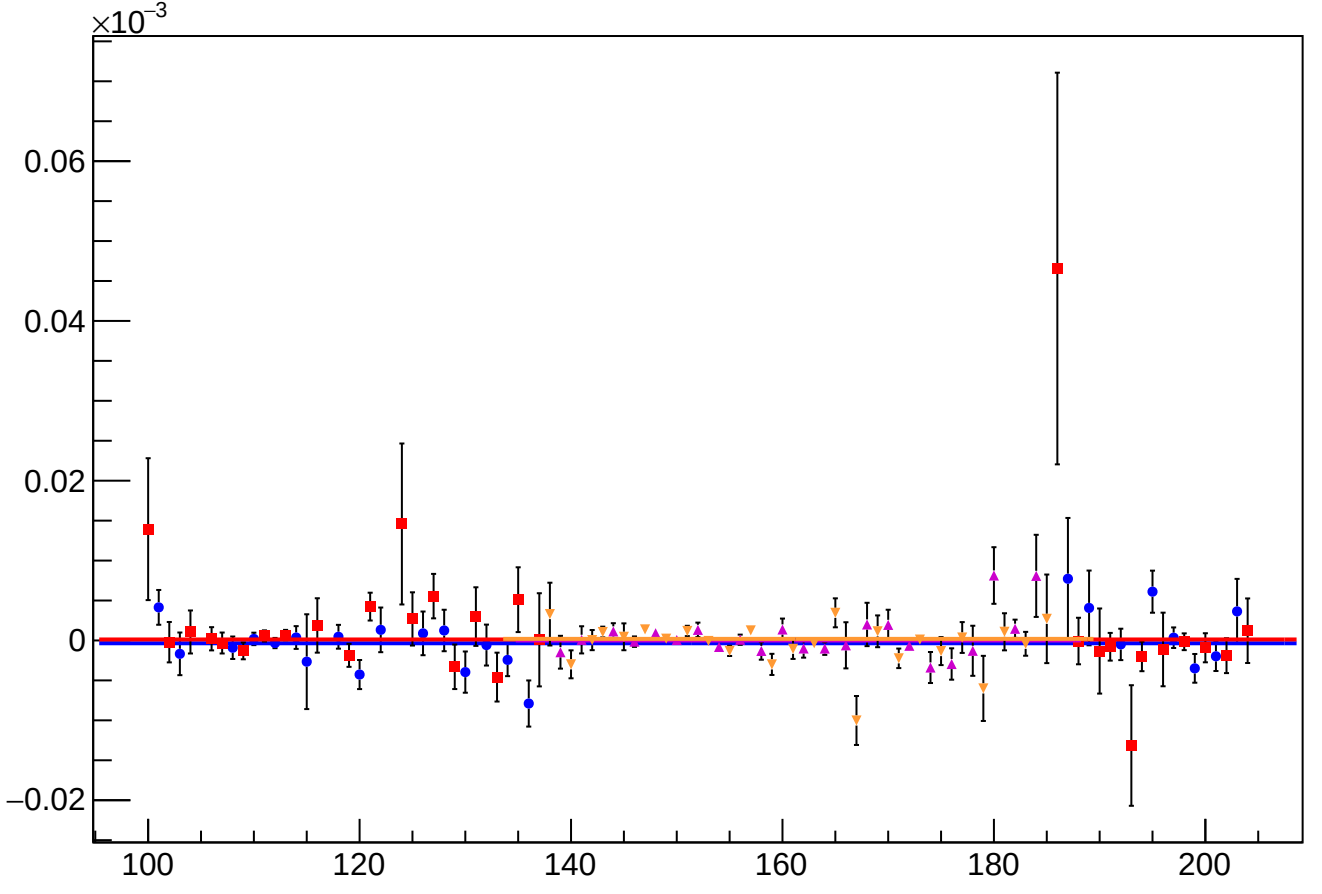
Right Out: 35.900+/-0.007 χ^2/NDF: 1777163.6/29

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 30.755+/-0.004 χ^2/NDF: 5582744.4/48

All: 31.174+/-0.003 χ^2/NDF: 10851408.3/101

- sign 31.603+/-0.004 χ^2/NDF: 5247126.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 34.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

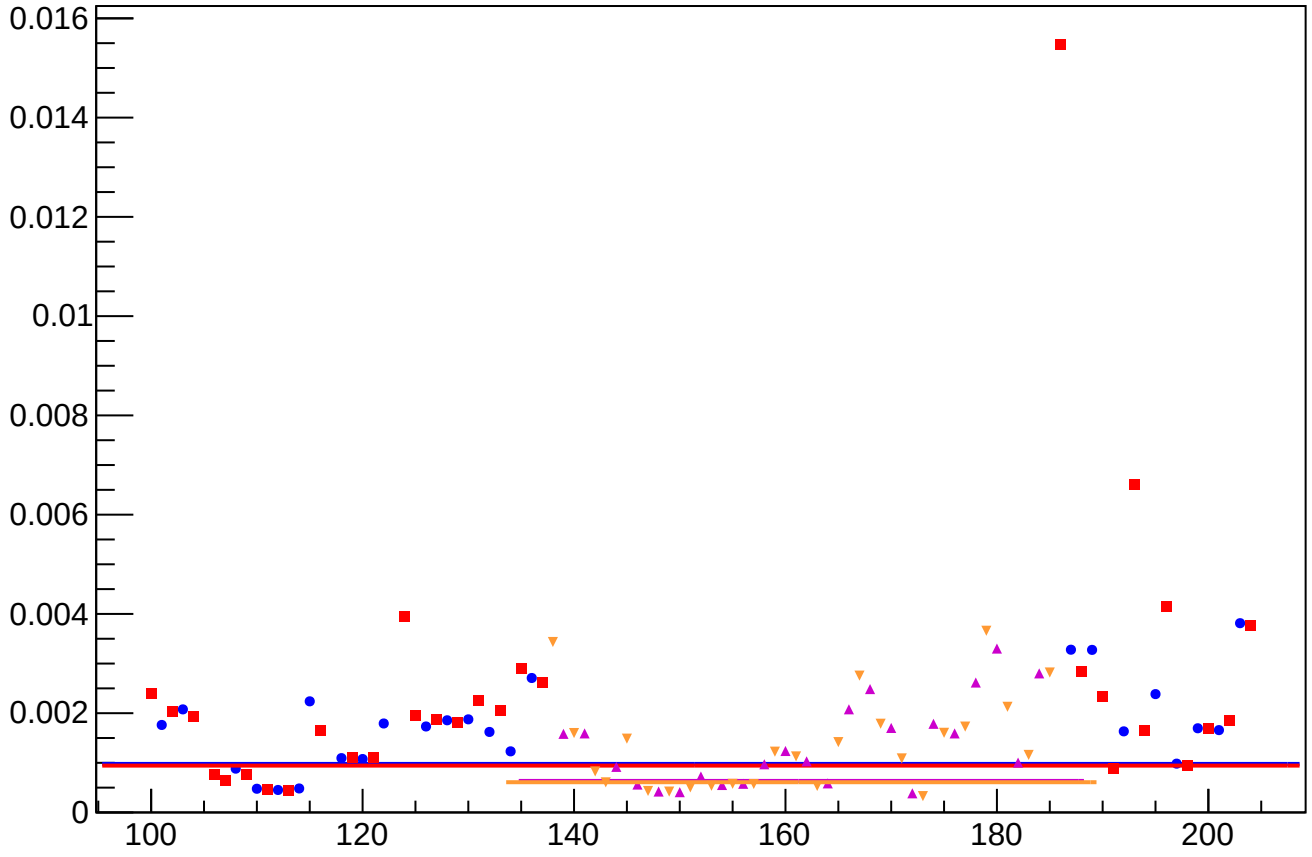
Right Out: 0.000+/-0.000 χ^2/NDF: 35.6/29

Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.2/48

All: 0.000+/-0.000 χ^2/NDF: 157.9/101

- sign 0.000+/-0.000 χ^2/NDF: 68.7/52



Right In: 0.001+/-0.000 χ^2/NDF: 7811832.9/23

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

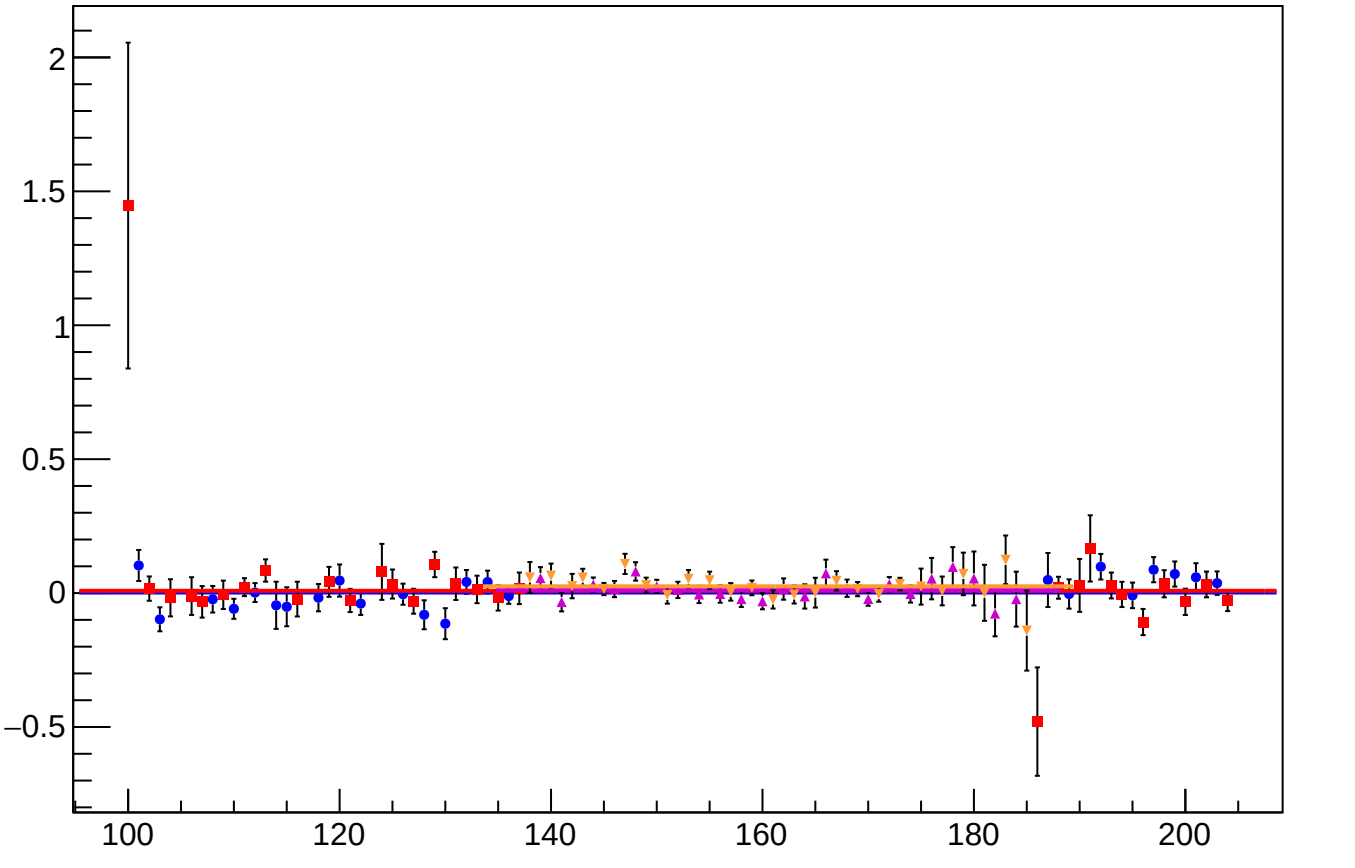
Right Out: 0.001+/-0.000 χ^2/NDF: 10813312.5/29

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 20725341.6/48

All: 0.001+/-0.000 χ^2/NDF: 42450490.6/101

- sign 0.001+/-0.000 χ^2/NDF: 21685664.1/52



Right In: 0.002+/-0.010 χ^2/NDF: 33.3/23

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

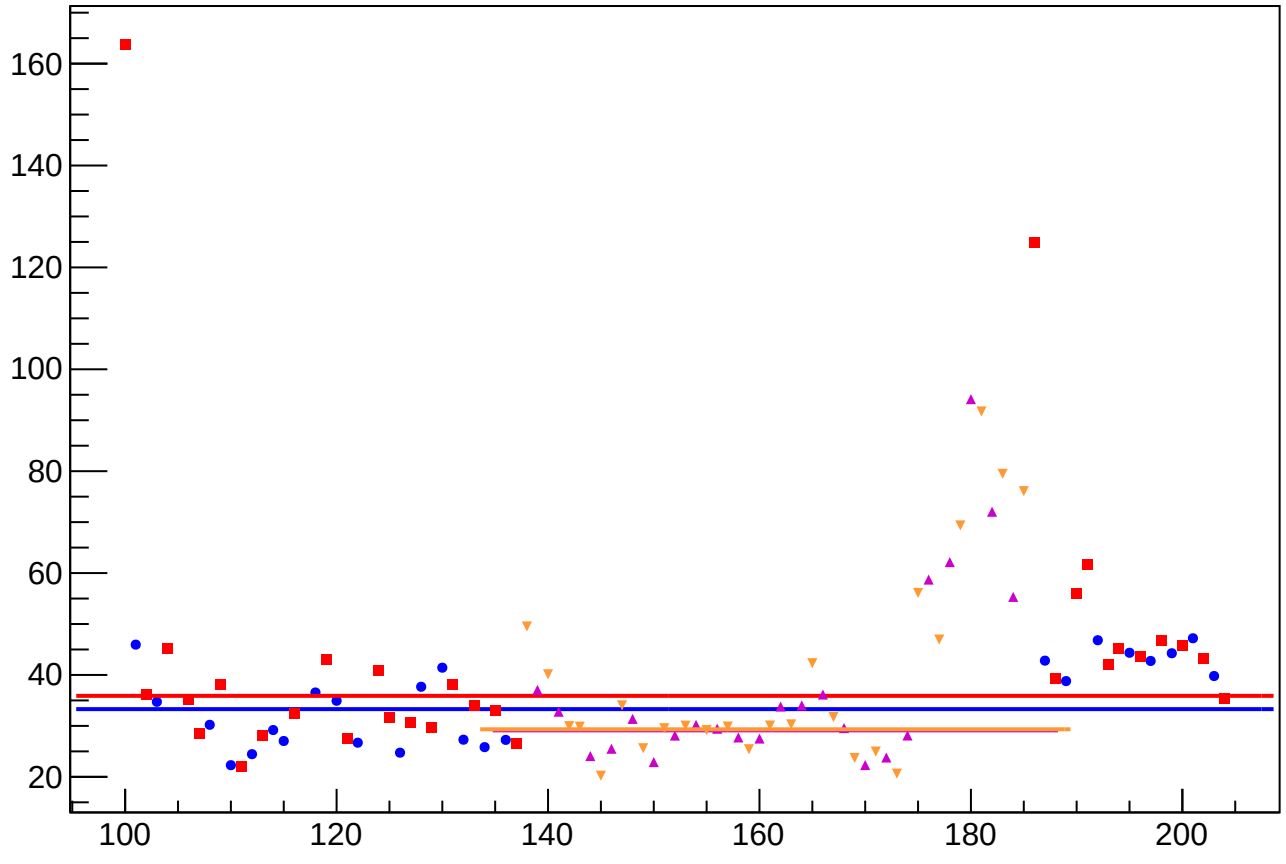
Right Out: 0.009+/-0.010 χ^2/NDF: 33.1/29

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.017+/-0.006 χ^2/NDF: 54.4/48

All: 0.014+/-0.004 χ^2/NDF: 107.3/101

- sign 0.010+/-0.006 χ^2/NDF: 52.1/52



Right In: 33.292+/-0.007 χ^2/NDF: 1489705.7/23

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

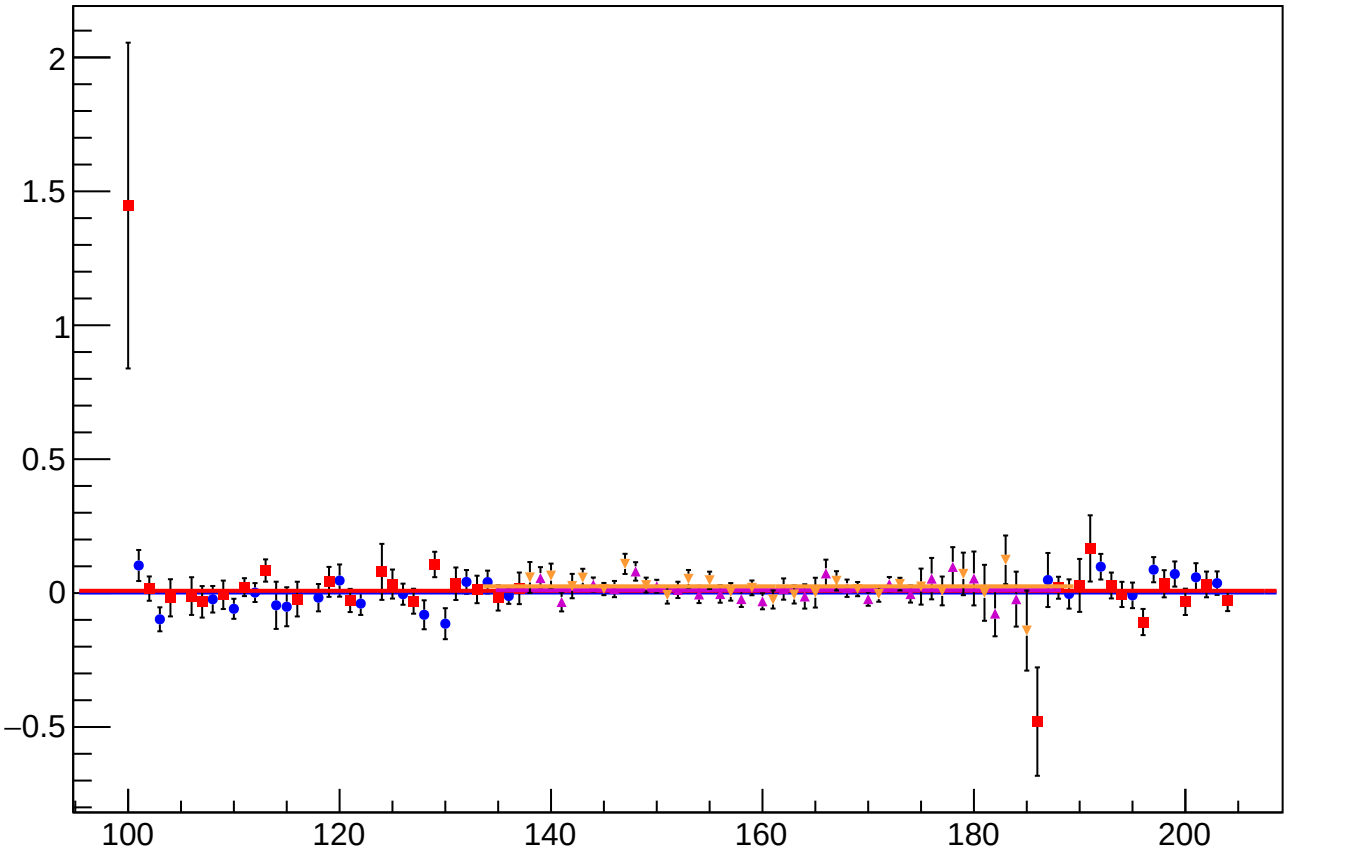
Right Out: 35.900+/-0.007 χ^2/NDF: 1777057.6/29

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 30.755+/-0.004 χ^2/NDF: 5582750.1/48

All: 31.174+/-0.003 χ^2/NDF: 10851306.2/101

- sign 31.603+/-0.004 χ^2/NDF: 5247018.0/52



Right In: 0.002+/-0.010 χ^2/NDF: 33.3/23

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

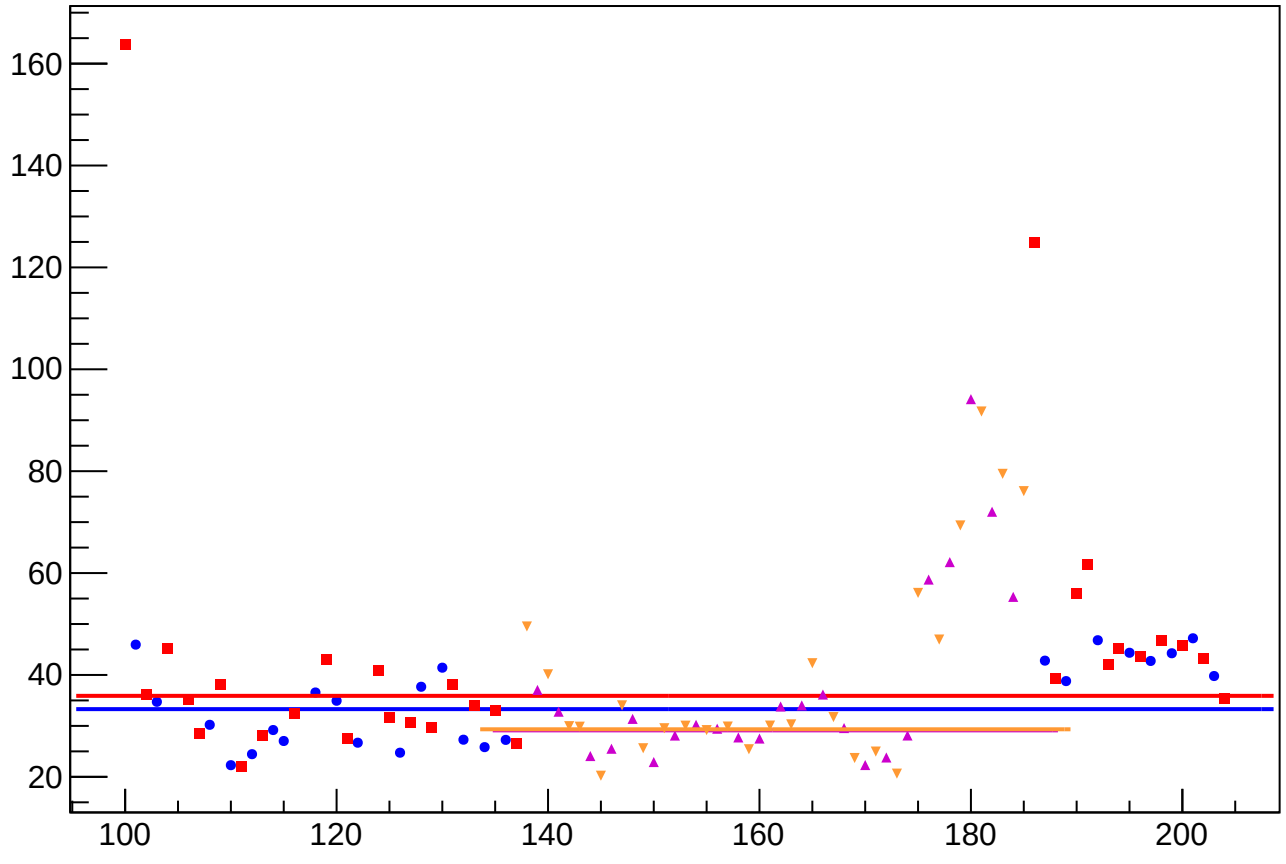
Right Out: 0.009+/-0.010 χ^2/NDF: 33.1/29

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.017+/-0.006 χ^2/NDF: 54.4/48

All: 0.014+/-0.004 χ^2/NDF: 107.3/101

- sign 0.010+/-0.006 χ^2/NDF: 52.1/52



Right In: 33.292+/-0.007 χ^2/NDF: 1489705.7/23

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

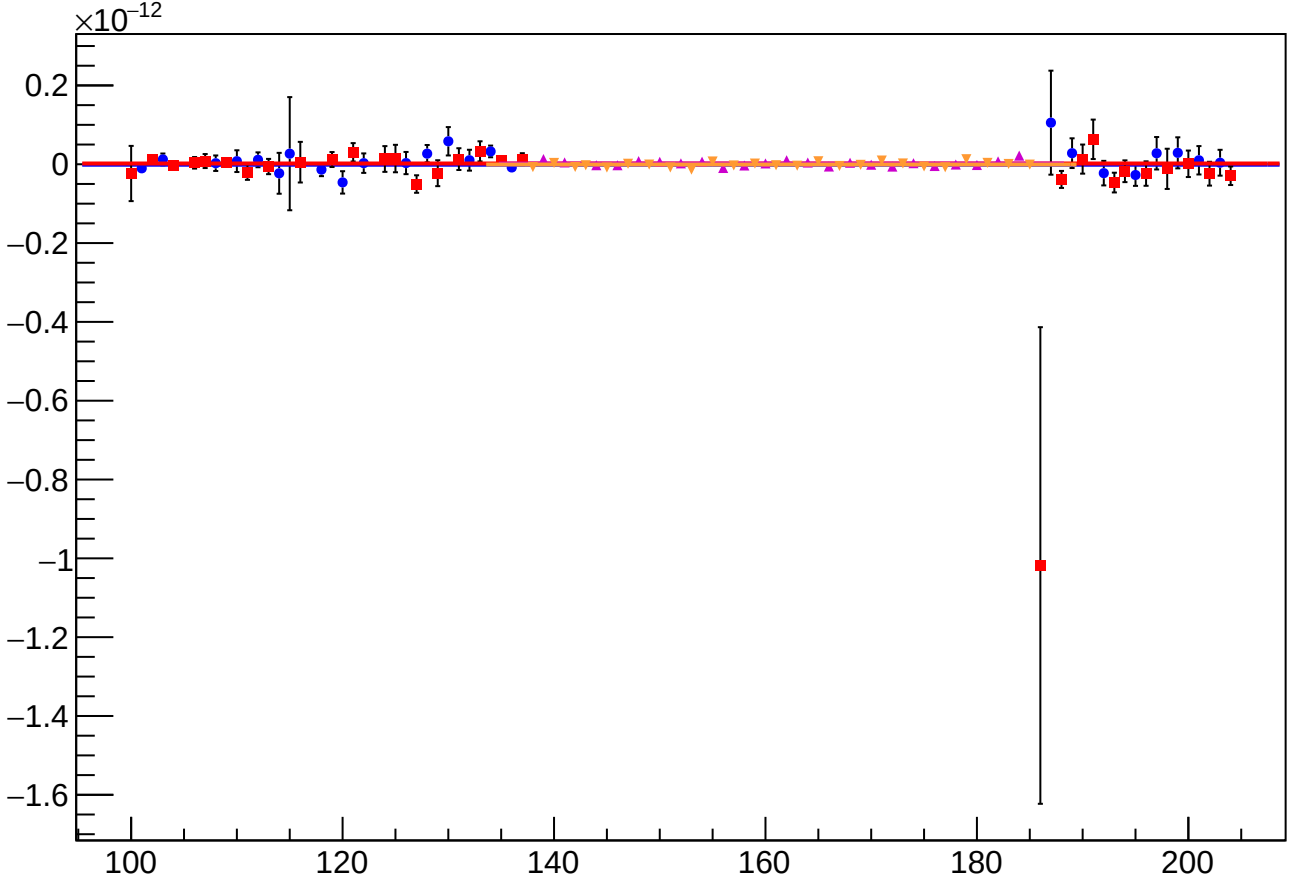
Right Out: 35.900+/-0.007 χ^2/NDF: 1777057.6/29

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 30.755+/-0.004 χ^2/NDF: 5582750.1/48

All: 31.174+/-0.003 χ^2/NDF: 10851306.2/101

- sign 31.603+/-0.004 χ^2/NDF: 5247018.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

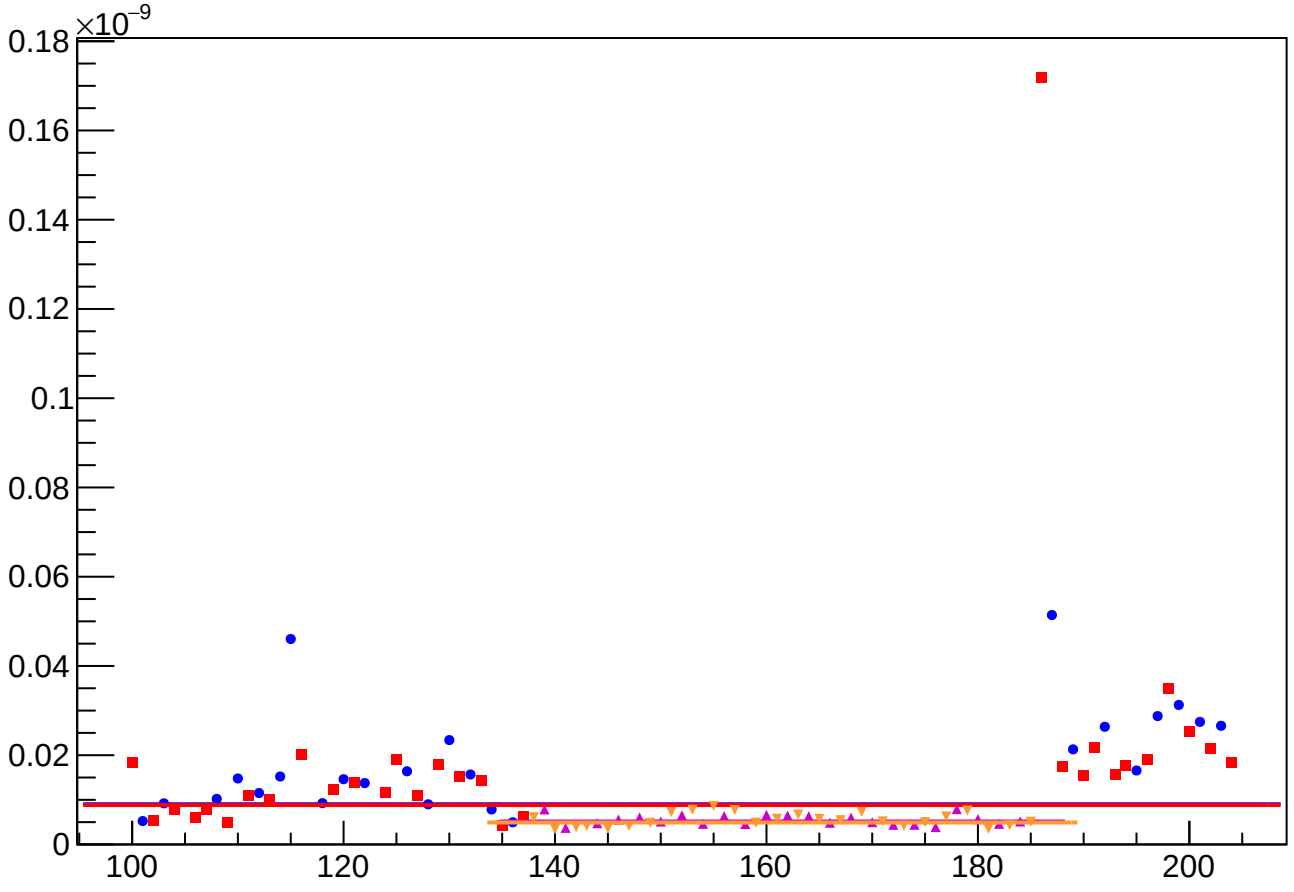
Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/29

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/48

All: 0.000+/-0.000 χ^2/NDF: 83.8/101

- sign 0.000+/-0.000 χ^2/NDF: 46.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 5676808.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5285272.3/29

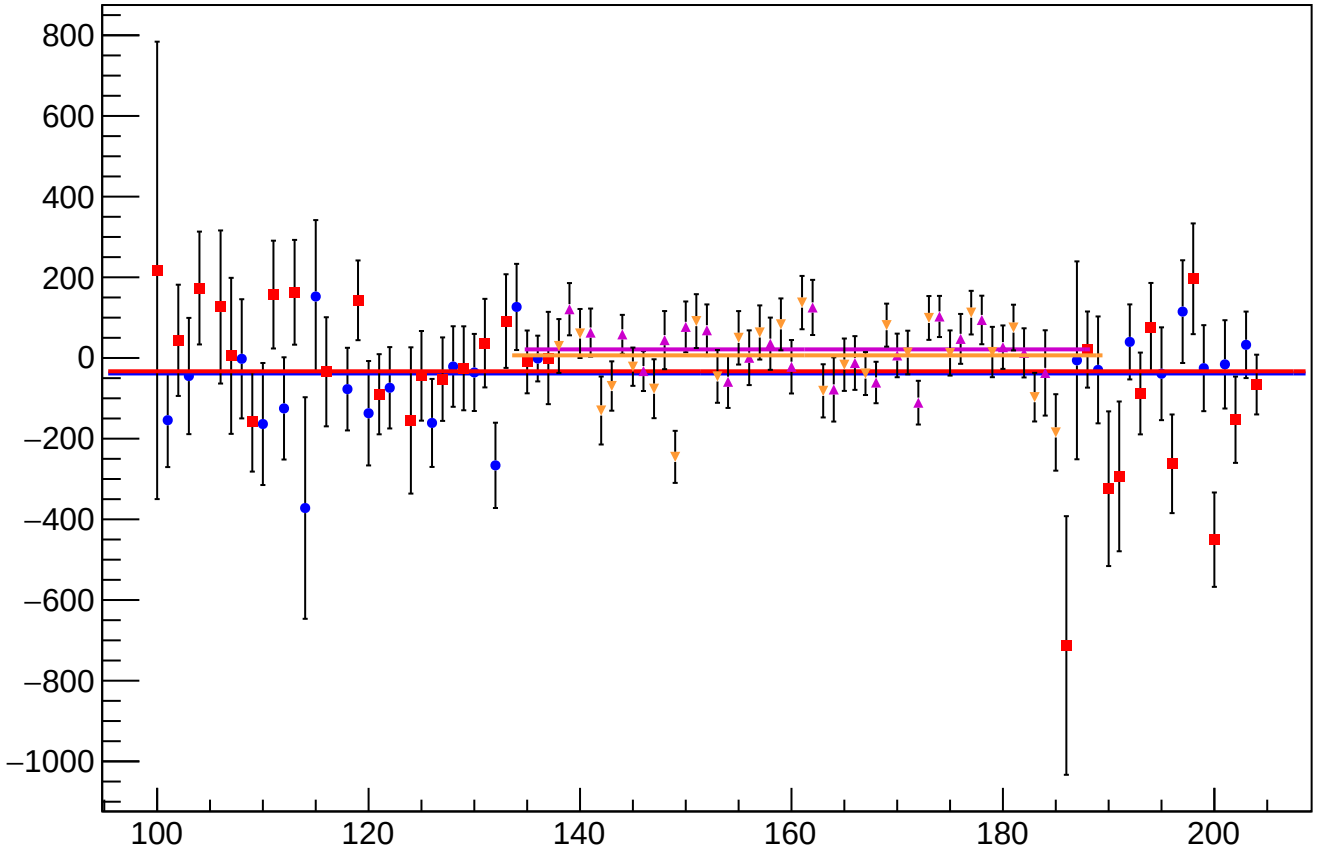
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9726548.3/48

All: 0.000+/-0.000 χ^2/NDF: 18012192.3/101

- sign 0.000+/-0.000 χ^2/NDF: 8238757.9/52

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -38.372+/-22.386 χ^2/NDF: 17.3/23

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -33.001+/-21.733 χ^2/NDF: 45.4/29

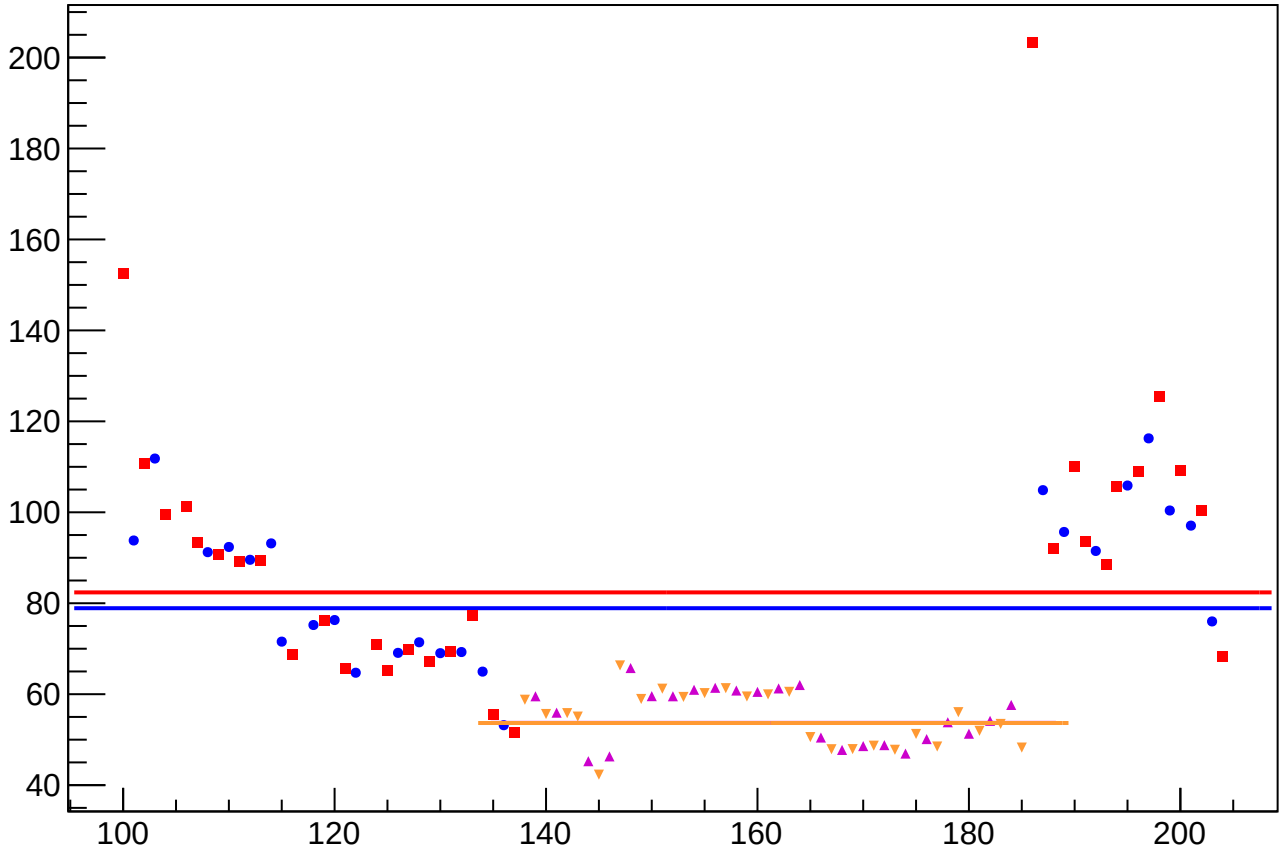
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -3.871+/-10.771 χ^2/NDF: 70.9/48

All: 1.773+/-7.673 χ^2/NDF: 146.9/101

- sign 7.587+/-10.932 χ^2/NDF: 75.4/52

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 78.909+/-0.016 χ^2/NDF: 1255783.9/23

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

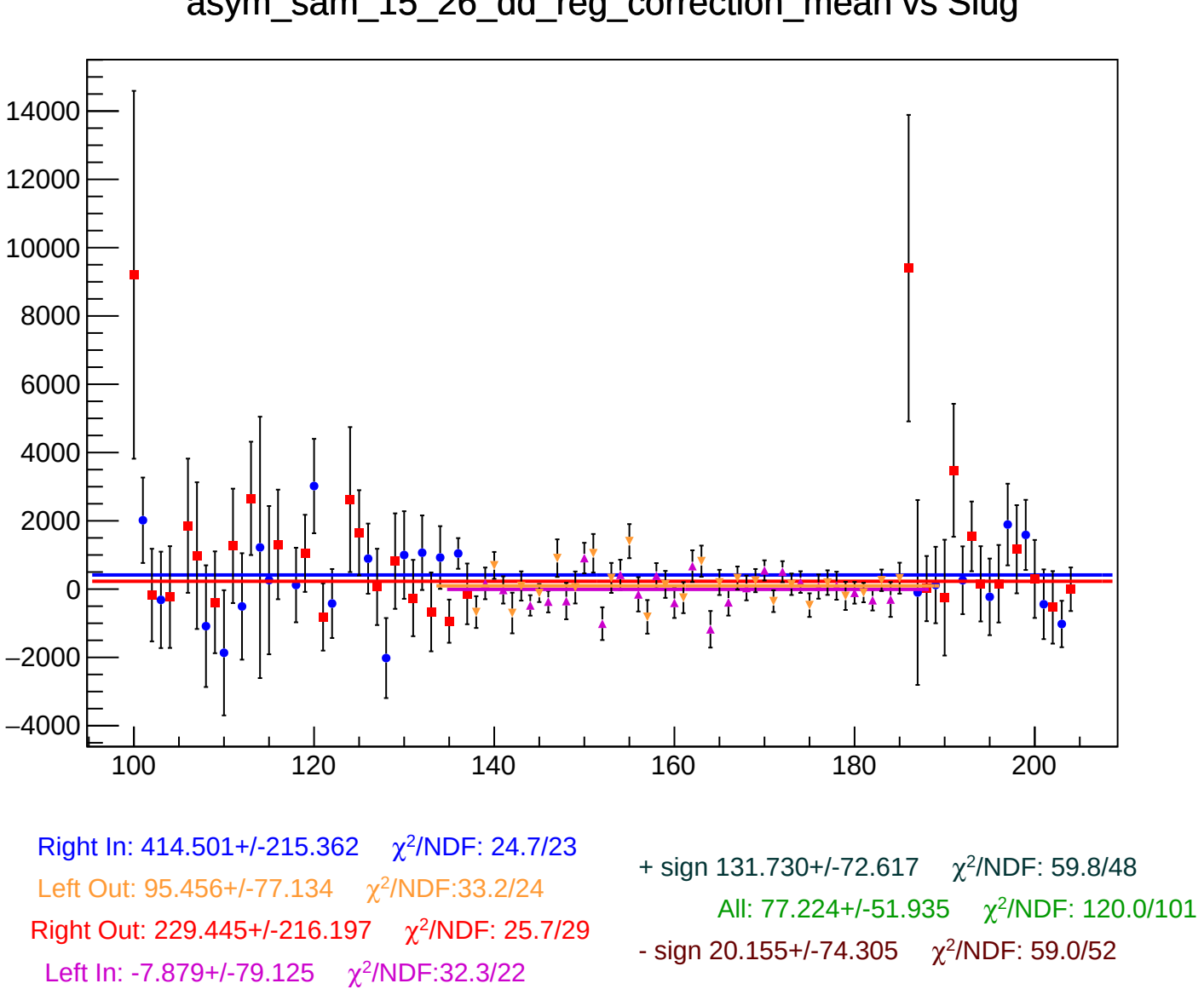
Right Out: 82.386+/-0.015 χ^2/NDF: 1799329.8/29

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

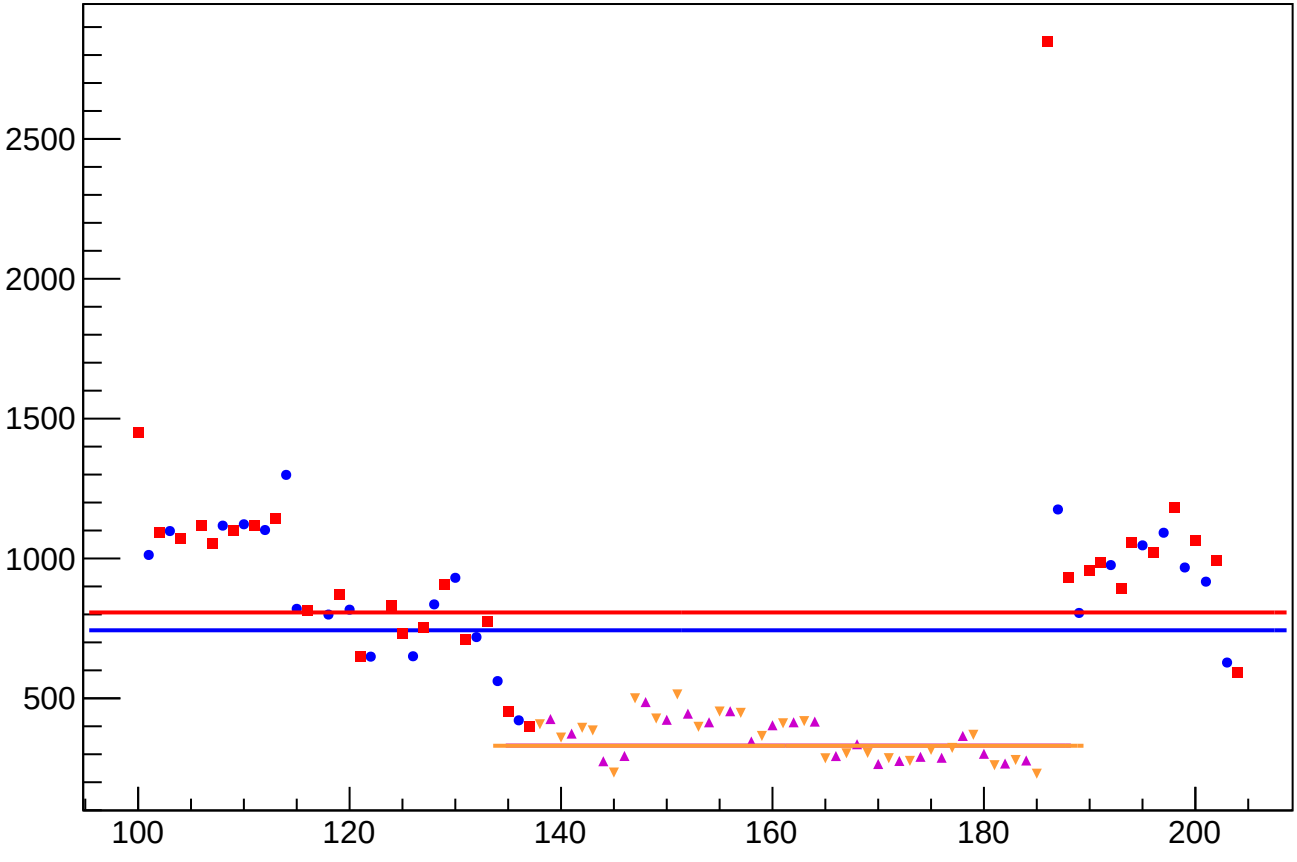
+ sign 59.510+/-0.008 χ^2/NDF: 3682418.1/48

All: 60.221+/-0.005 χ^2/NDF: 8574353.6/101

- sign 60.954+/-0.008 χ^2/NDF: 4874221.7/52


asym_sam_15_26_dd_reg_correction_mean vs Slug
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: 414.501+/-215.362 χ²/NDF: 24.7/23
Left Out: 95.456+/-77.134 χ²/NDF:33.2/24
Right Out: 229.445+/-216.197 χ²/NDF: 25.7/29
Left In: -7.879+/-79.125 χ²/NDF:32.3/22
+ sign 131.730+/-72.617 χ²/NDF: 59.8/48
All: 77.224+/-51.935 χ²/NDF: 120.0/101
- sign 20.155+/-74.305 χ²/NDF: 59.0/52

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 743.214+/-0.152 χ^2/NDF: 2444200.9/23

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 806.997+/-0.153 χ^2/NDF: 2863822.6/29

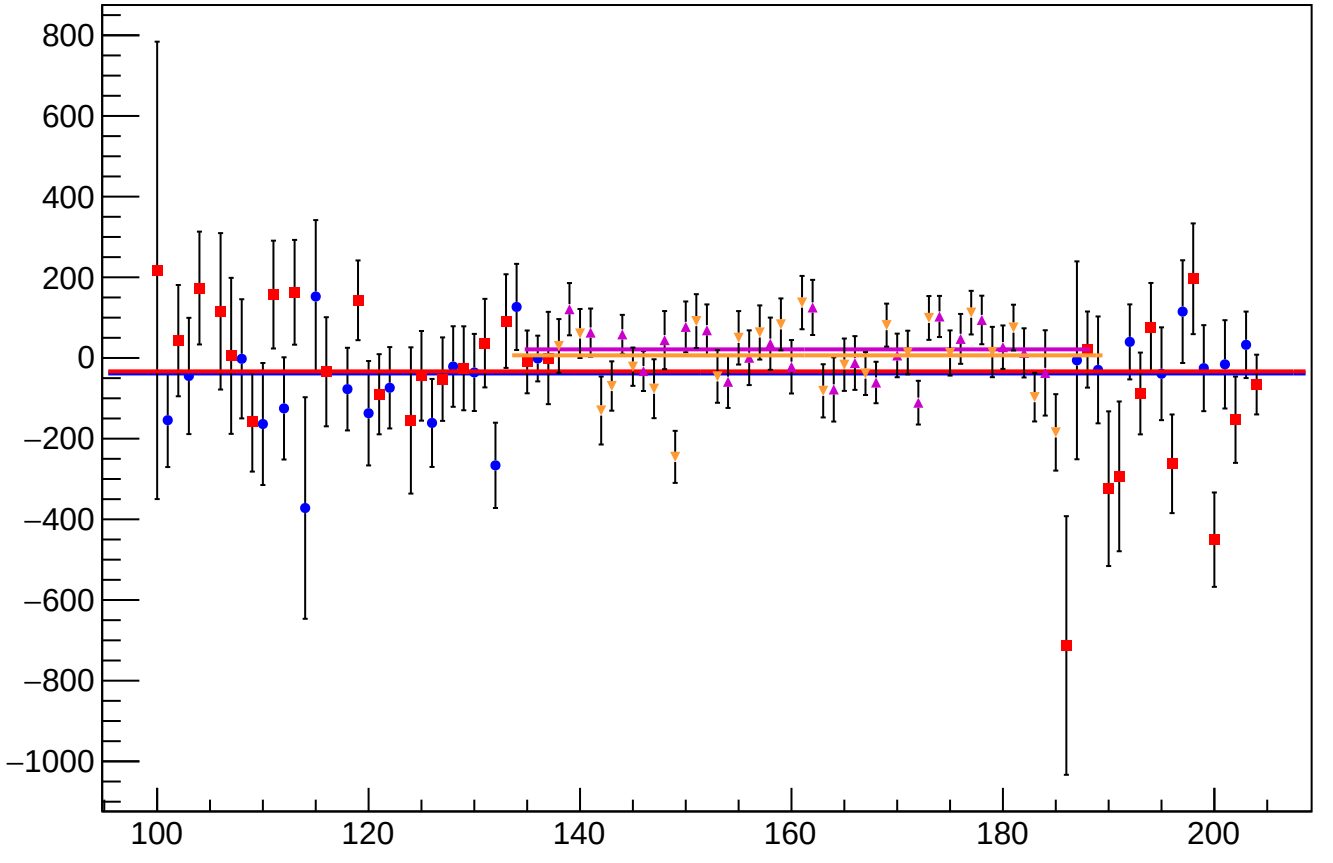
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 377.339+/-0.051 χ^2/NDF: 10709566.8/48

All: 382.195+/-0.037 χ^2/NDF: 23464828.5/10

- sign 387.279+/-0.053 χ^2/NDF: 12736958.0/52

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -38.364+/-22.386 χ^2/NDF: 17.3/23

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -33.246+/-21.740 χ^2/NDF: 45.2/29

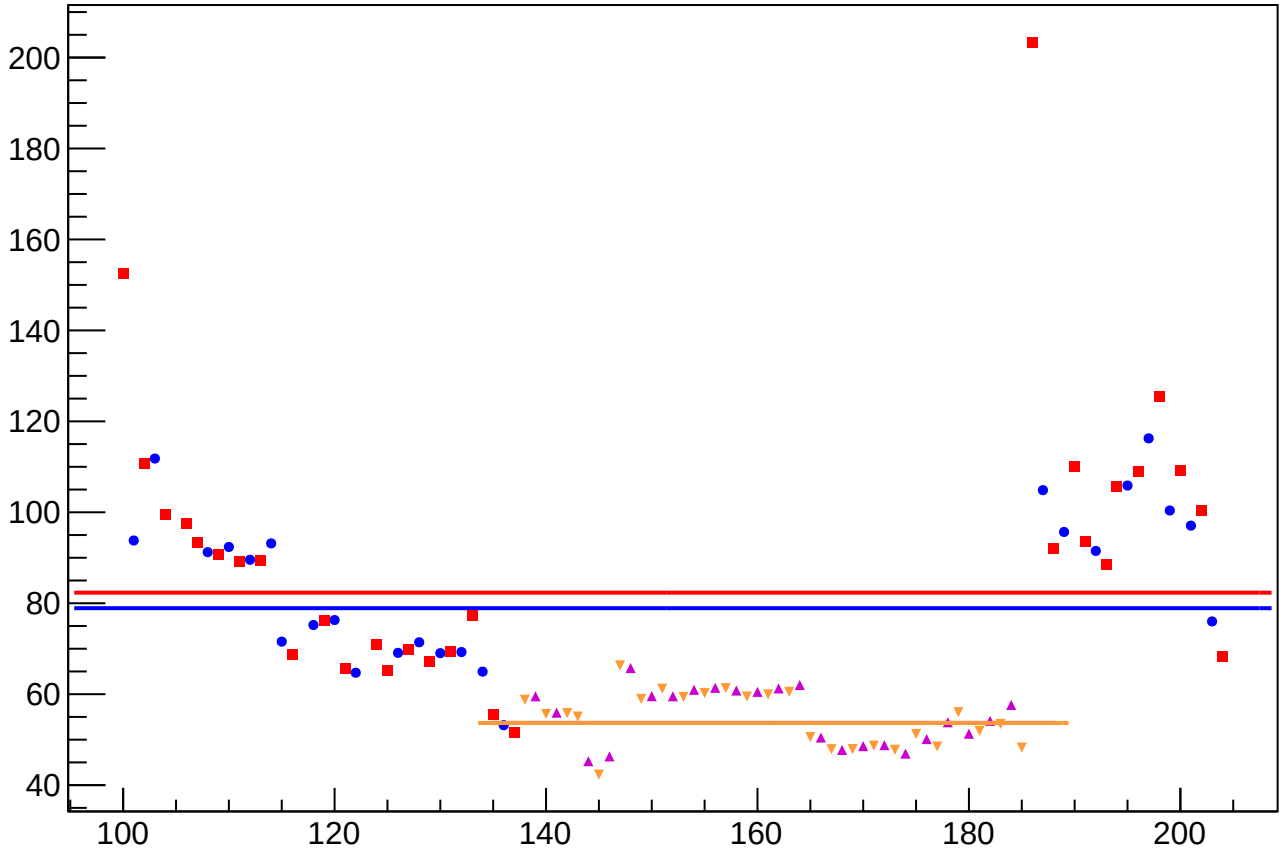
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -3.867+/-10.771 χ^2/NDF: 70.9/48

All: 1.746+/-7.673 χ^2/NDF: 146.8/101

- sign 7.530+/-10.933 χ^2/NDF: 75.3/52

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 78.909+/-0.016 χ^2/NDF: 1255786.2/23

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

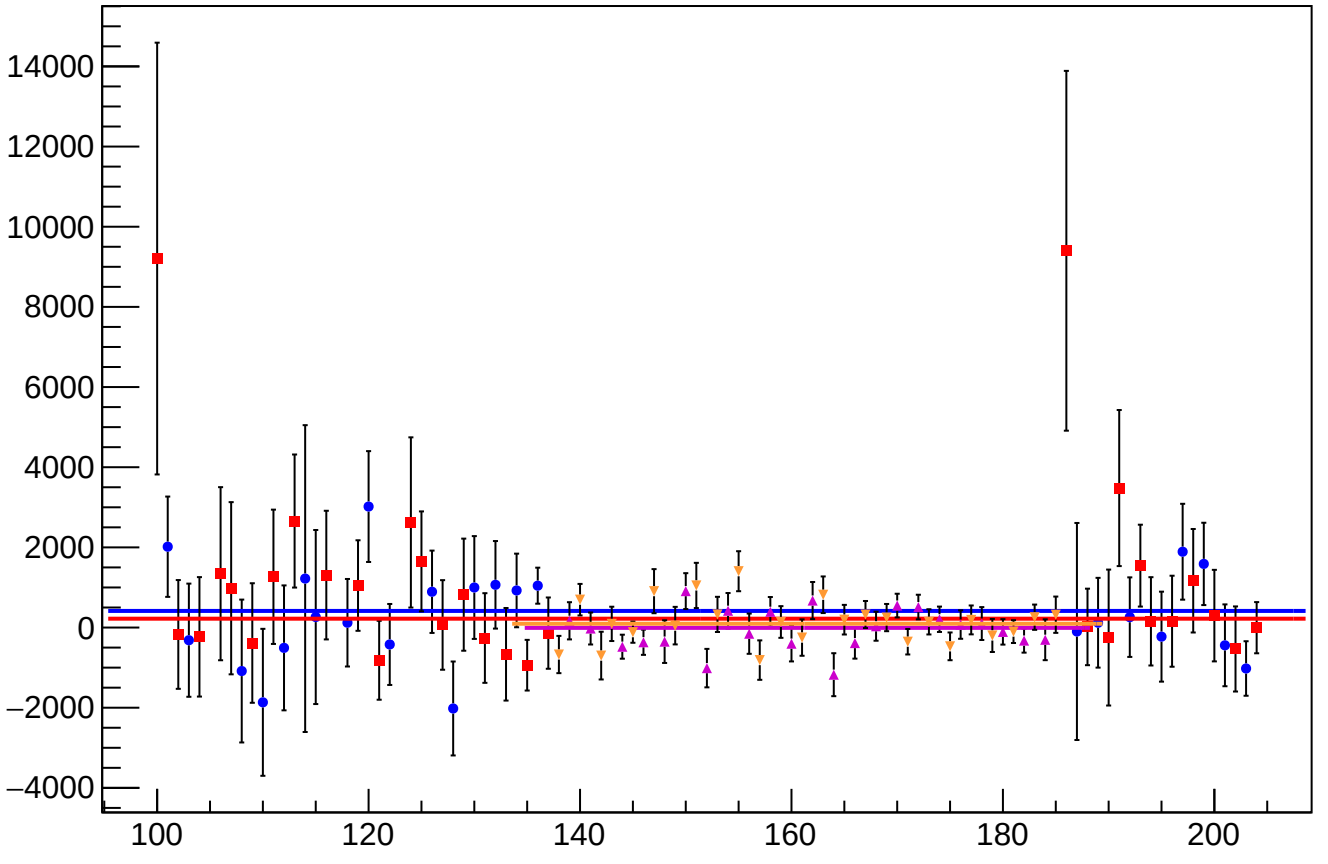
Right Out: 82.329+/-0.015 χ^2/NDF: 1792074.8/29

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 59.510+/-0.008 χ^2/NDF: 3682420.7/48

All: 60.213+/-0.005 χ^2/NDF: 8555360.7/101

- sign 60.937+/-0.008 χ^2/NDF: 4855651.1/52



Right In: 414.495+/-215.362 χ^2/NDF: 24.7/23

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: 220.986+/-216.425 χ^2/NDF: 25.2/29

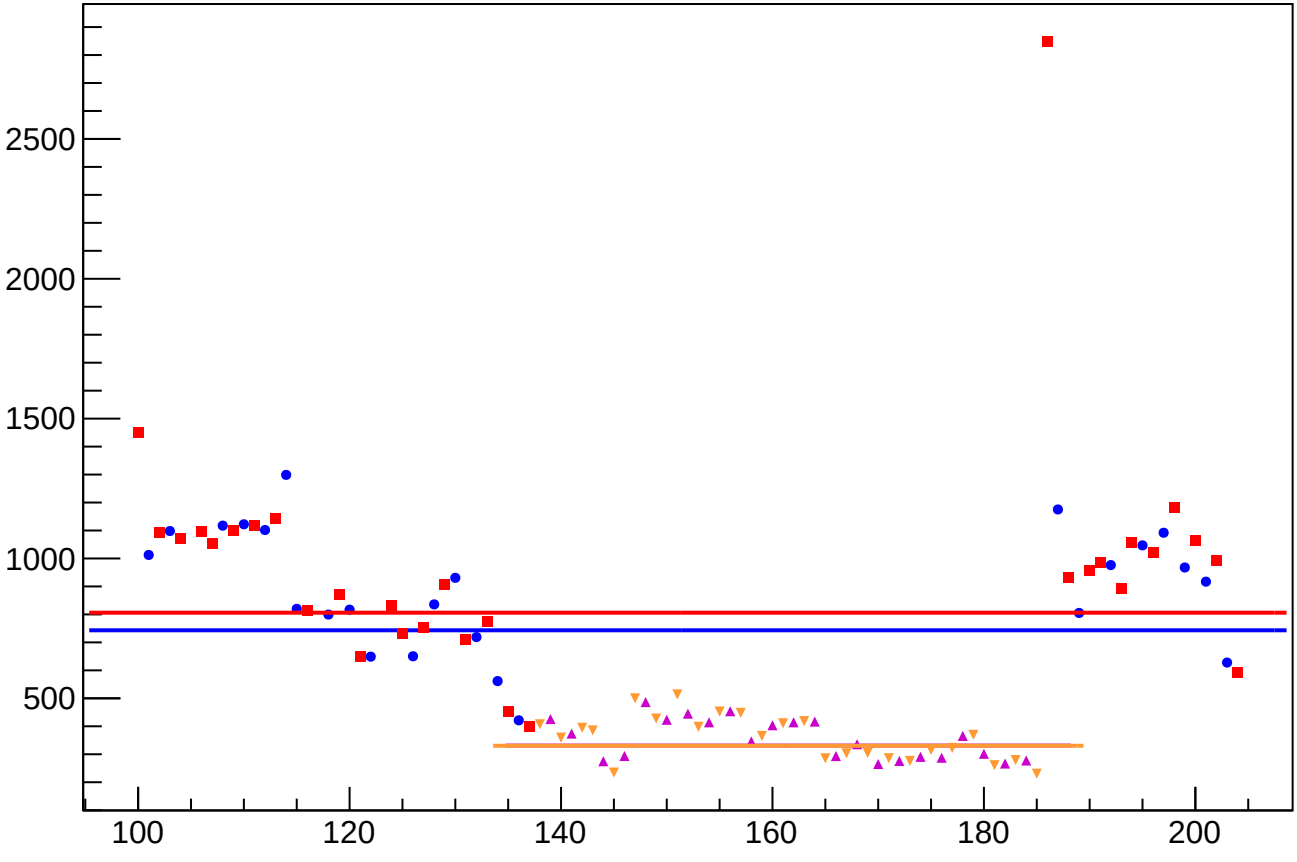
Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

\+ sign 131.731+/-72.617 χ^2/NDF: 59.8/48

All: 76.721+/-51.938 χ^2/NDF: 119.5/101

\- sign 19.109+/-74.314 χ^2/NDF: 58.5/52

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 743.215+/-0.152 χ^2/NDF: 2444225.4/23

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 806.130+/-0.153 χ^2/NDF: 2849658.0/29

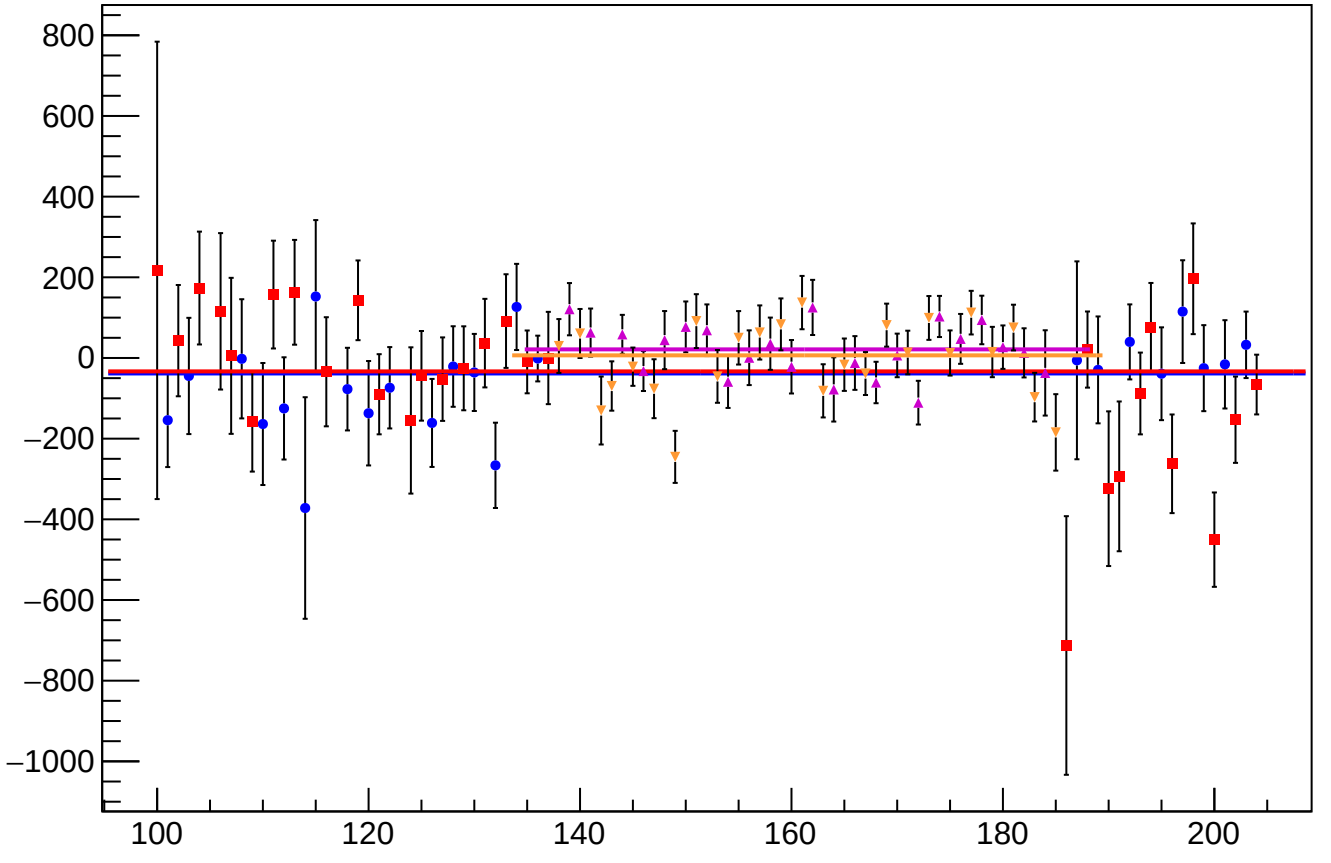
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 377.339+/-0.051 χ^2/NDF: 10709586.0/48

All: 382.093+/-0.037 χ^2/NDF: 23403014.2/10

- sign 387.072+/-0.053 χ^2/NDF: 12675880.1/52

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -38.364+/-22.386 χ^2/NDF: 17.3/23

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -33.246+/-21.740 χ^2/NDF: 45.2/29

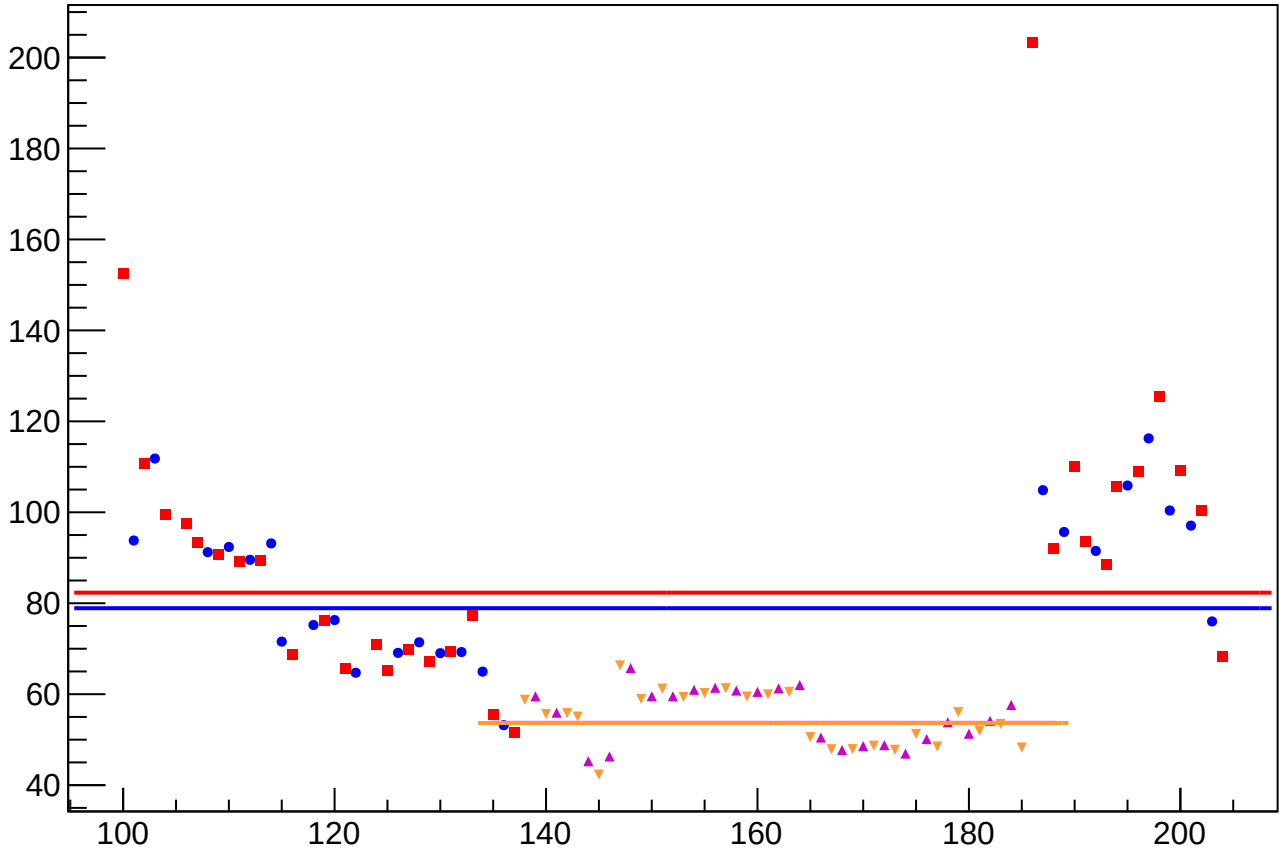
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -3.867+/-10.771 χ^2/NDF: 70.9/48

All: 1.746+/-7.673 χ^2/NDF: 146.8/101

- sign 7.530+/-10.933 χ^2/NDF: 75.3/52

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 78.909+/-0.016 χ^2/NDF: 1255786.2/23

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

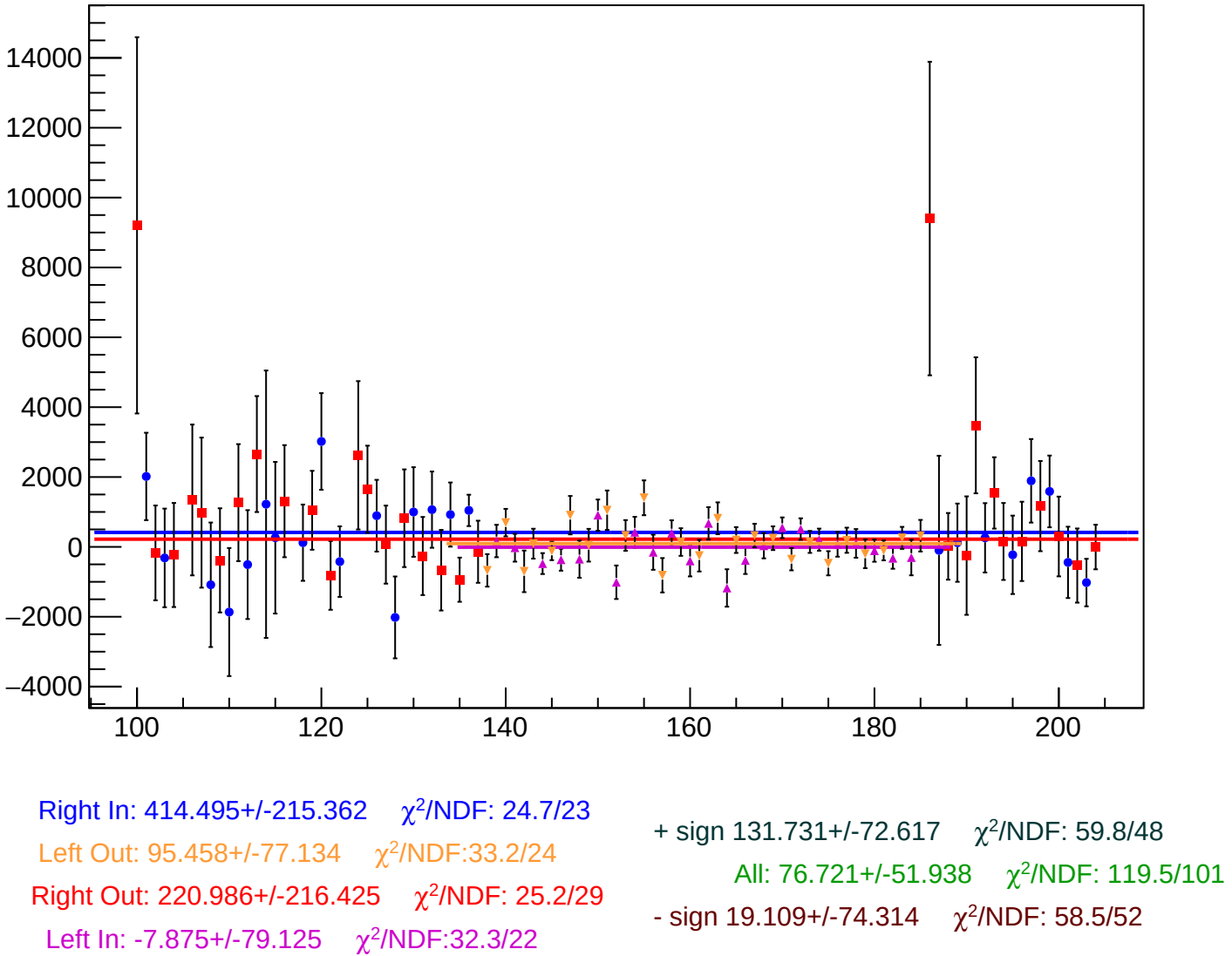
Right Out: 82.329+/-0.015 χ^2/NDF: 1792074.8/29

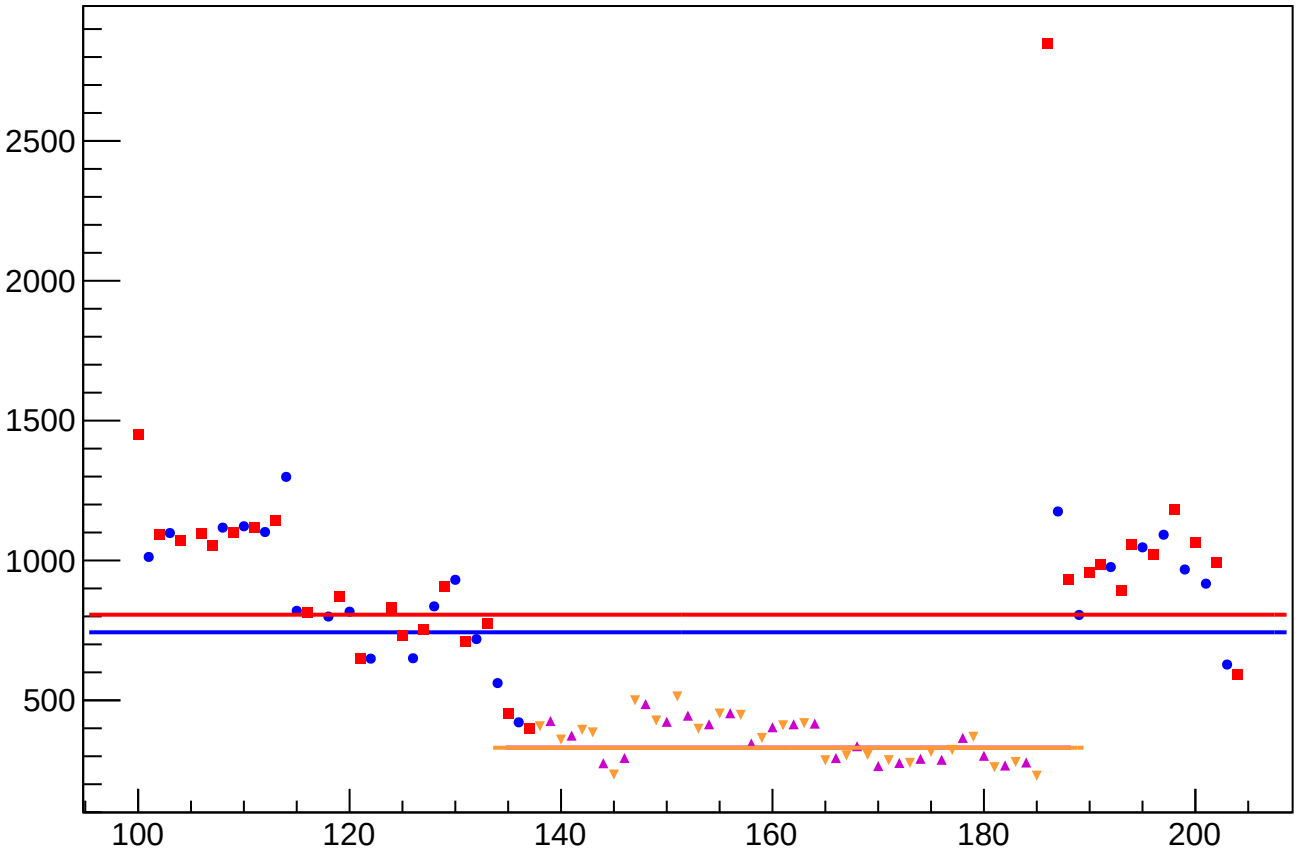
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 59.510+/-0.008 χ^2/NDF: 3682420.7/48

All: 60.213+/-0.005 χ^2/NDF: 8555360.7/101

- sign 60.937+/-0.008 χ^2/NDF: 4855651.1/52


asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: 414.495+/-215.362 χ²/NDF: 24.7/23
Left Out: 95.458+/-77.134 χ²/NDF:33.2/24
Right Out: 220.986+/-216.425 χ²/NDF: 25.2/29
Left In: -7.875+/-79.125 χ²/NDF:32.3/22
+ sign 131.731+/-72.617 χ²/NDF: 59.8/48
All: 76.721+/-51.938 χ²/NDF: 119.5/101
- sign 19.109+/-74.314 χ²/NDF: 58.5/52



Right In: 743.215+/-0.152 χ^2/NDF: 2444225.4/23

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 806.130+/-0.153 χ^2/NDF: 2849658.0/29

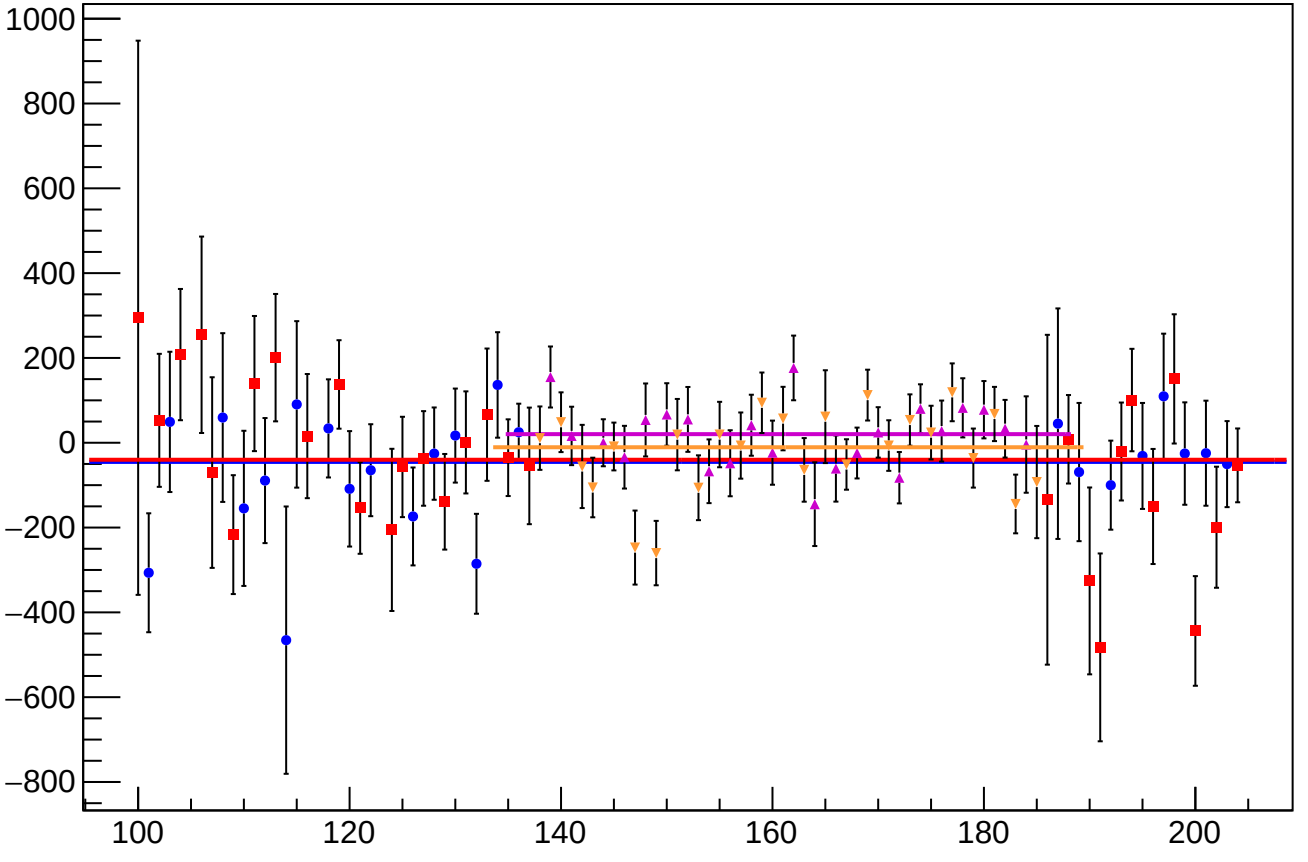
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 377.339+/-0.051 χ^2/NDF: 10709586.0/48

All: 382.093+/-0.037 χ^2/NDF: 23403014.2/10

- sign 387.072+/-0.053 χ^2/NDF: 12675880.1/52

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -45.155+/-25.657 χ^2/NDF: 18.0/23

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -40.092+/-24.647 χ^2/NDF: 37.1/29

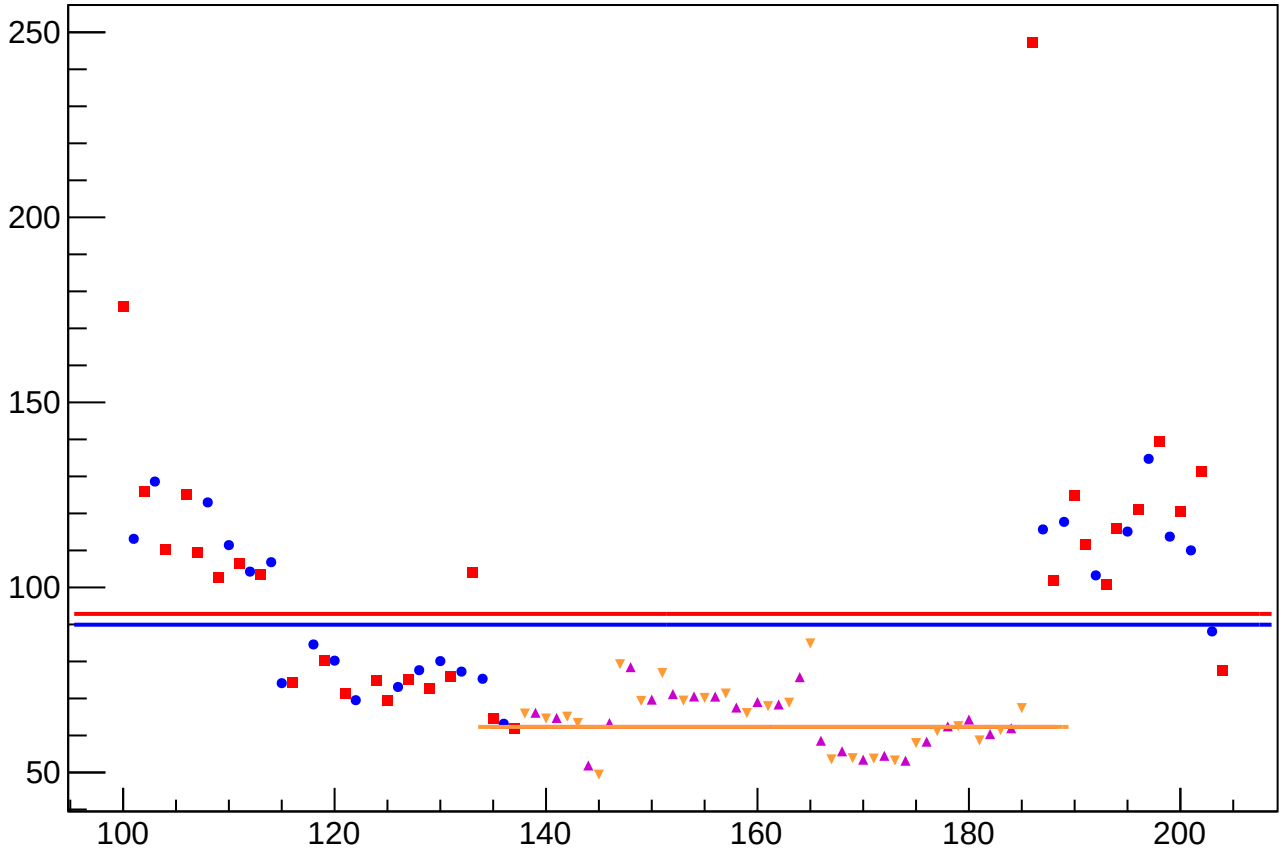
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -18.810+/-12.498 χ^2/NDF: 61.6/48

All: -7.362+/-8.893 χ^2/NDF: 126.5/101

- sign 4.379+/-12.657 χ^2/NDF: 63.2/52

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 89.932+/-0.018 χ^2/NDF: 1324548.9/23

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

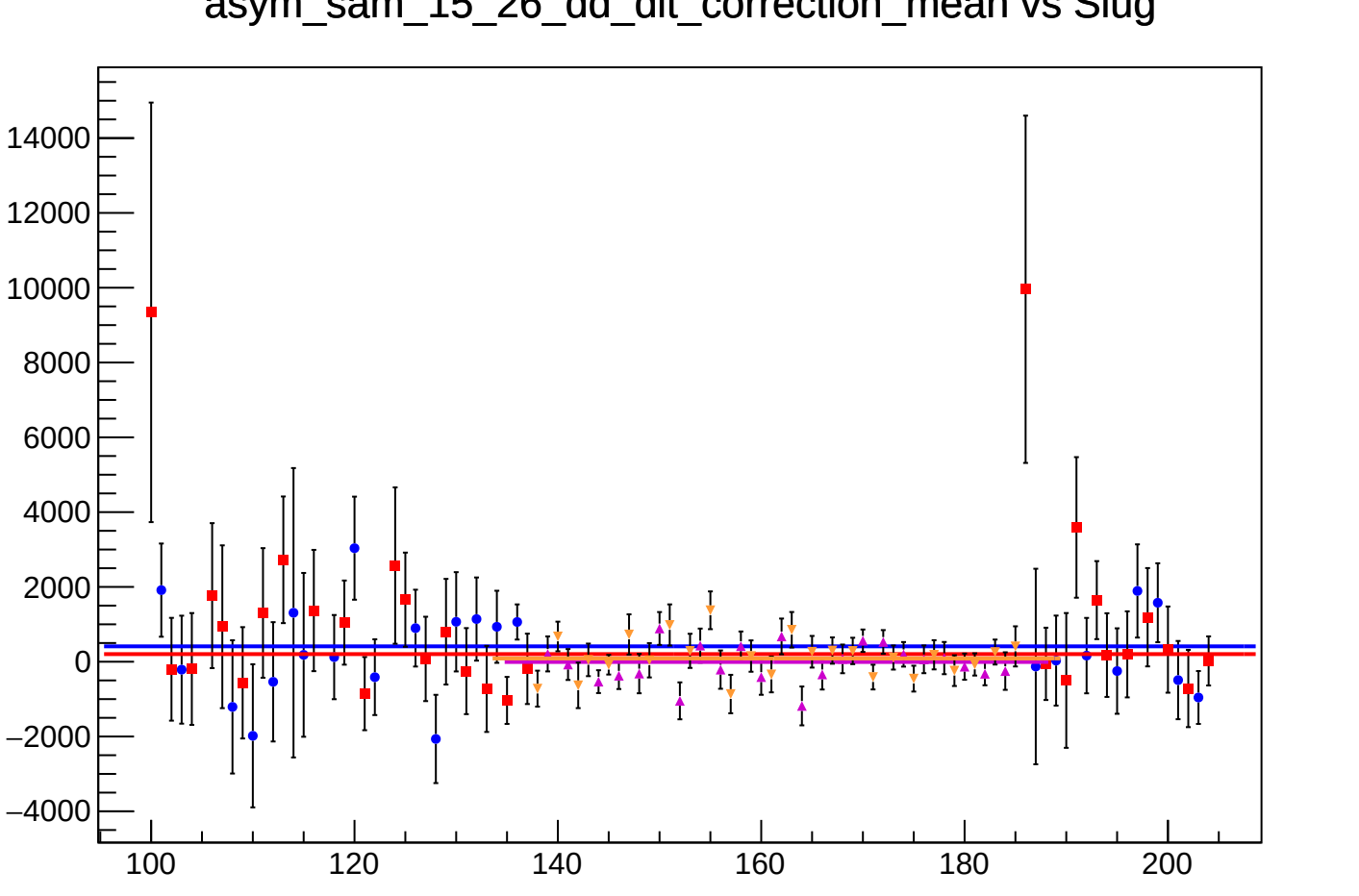
Right Out: 92.850+/-0.017 χ^2/NDF: 1970189.1/29

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 68.869+/-0.009 χ^2/NDF: 3728062.1/48

All: 69.607+/-0.006 χ^2/NDF: 8457813.6/101

- sign 70.364+/-0.009 χ^2/NDF: 4715631.3/52



Right In: 411.182+/-221.594 χ^2/NDF: 24.0/23

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 203.411+/-218.594 χ^2/NDF: 27.6/29

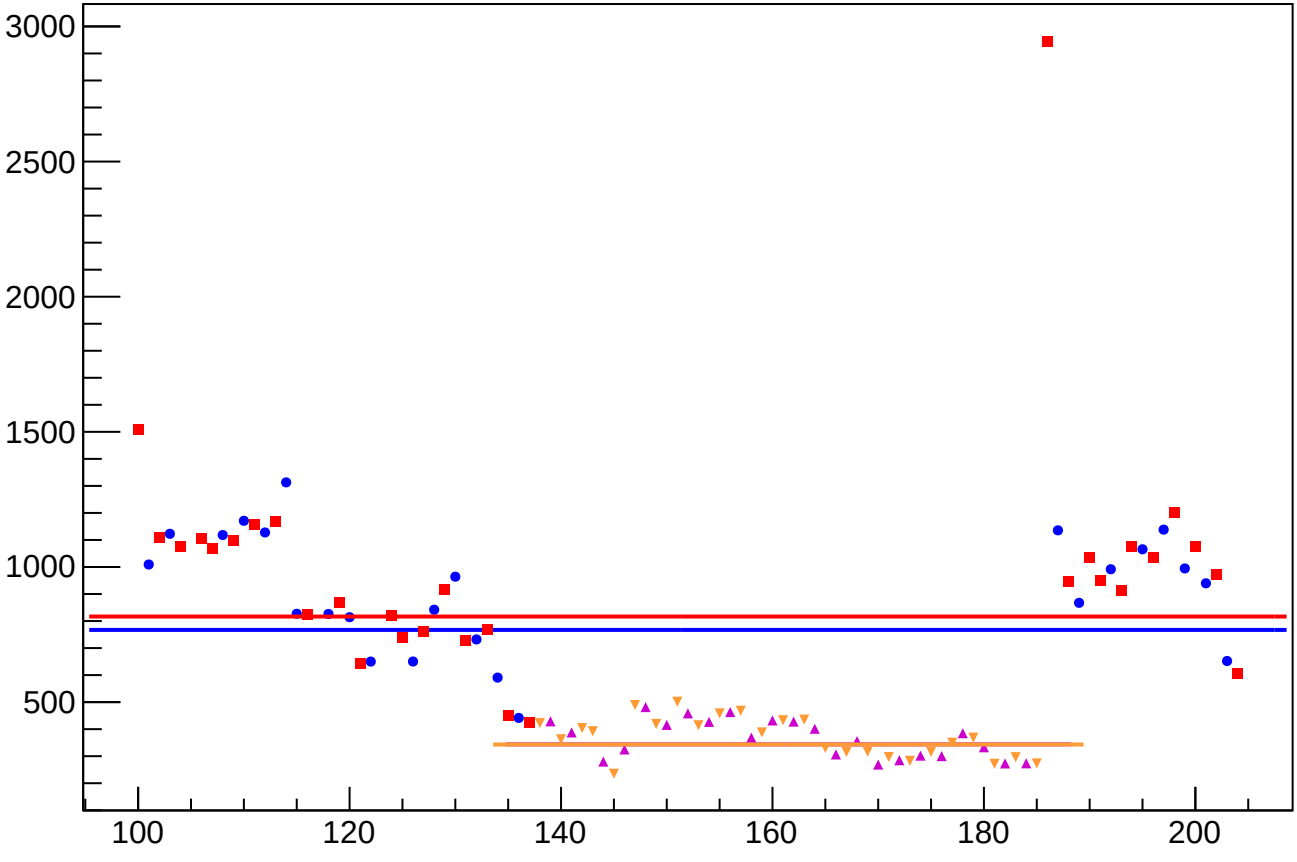
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 124.232+/-75.110 χ^2/NDF: 57.5/48

All: 73.056+/-53.721 χ^2/NDF: 119.3/101

- sign 19.458+/-76.867 χ^2/NDF: 60.9/52

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 767.174+/-0.157 χ^2/NDF: 2315747.6/23

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 816.691+/-0.155 χ^2/NDF: 2840305.6/29

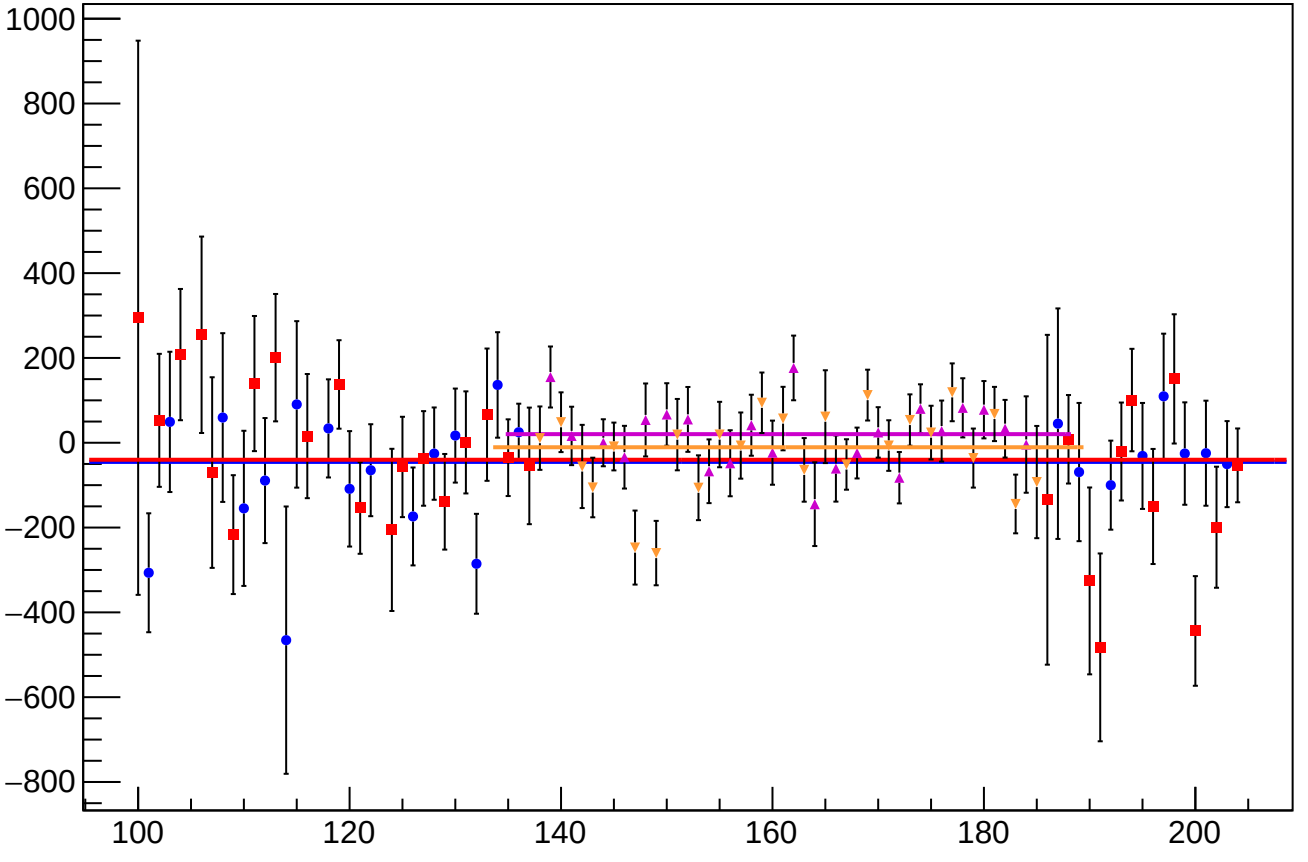
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 391.933+/-0.053 χ^2/NDF: 10390596.6/48

All: 396.948+/-0.038 χ^2/NDF: 22713019.4/10

- sign 402.201+/-0.054 χ^2/NDF: 12304166.3/52

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -45.156+/-25.657 χ^2/NDF: 18.0/23

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -40.092+/-24.647 χ^2/NDF: 37.1/29

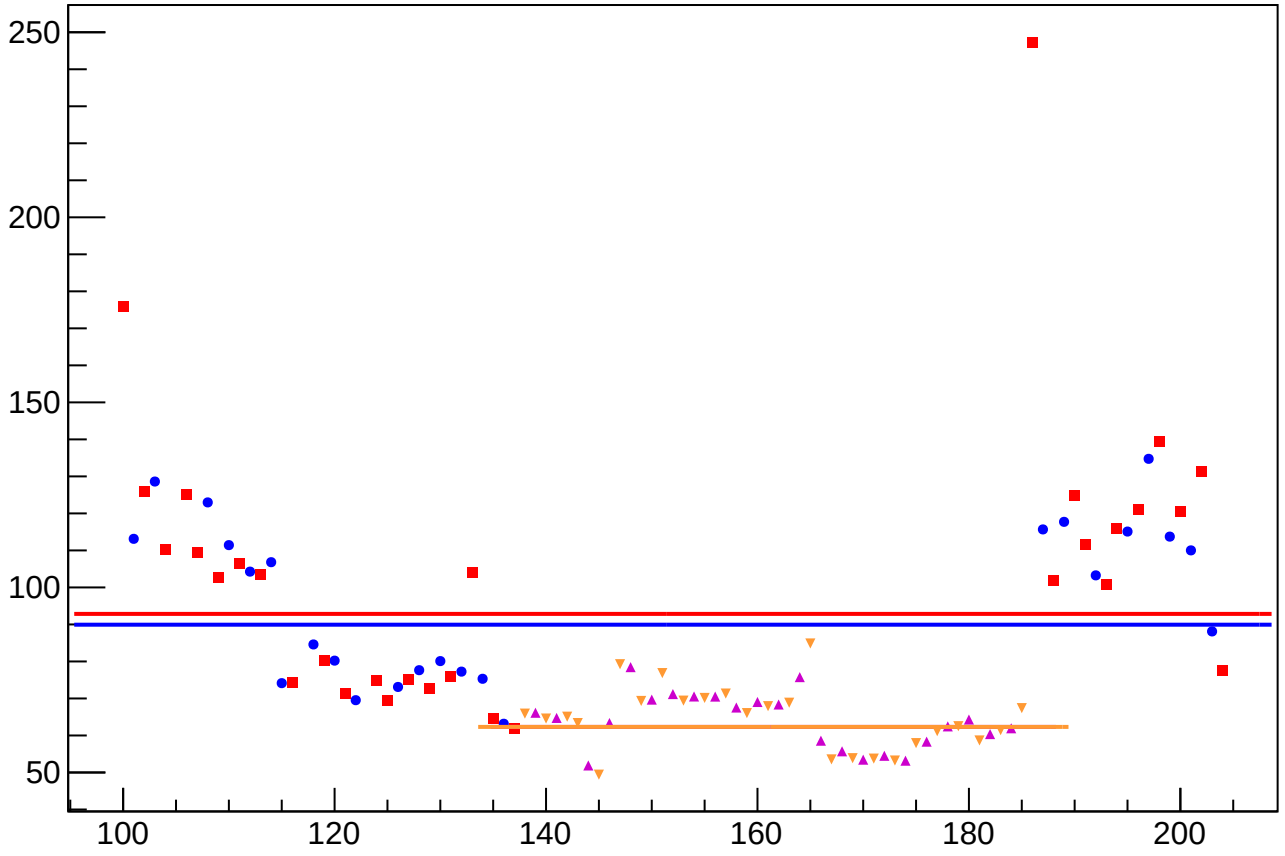
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -18.810+/-12.498 χ^2/NDF: 61.6/48

All: -7.362+/-8.893 χ^2/NDF: 126.5/101

- sign 4.378+/-12.657 χ^2/NDF: 63.2/52

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 89.932+/-0.018 χ^2/NDF: 1324567.4/23

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

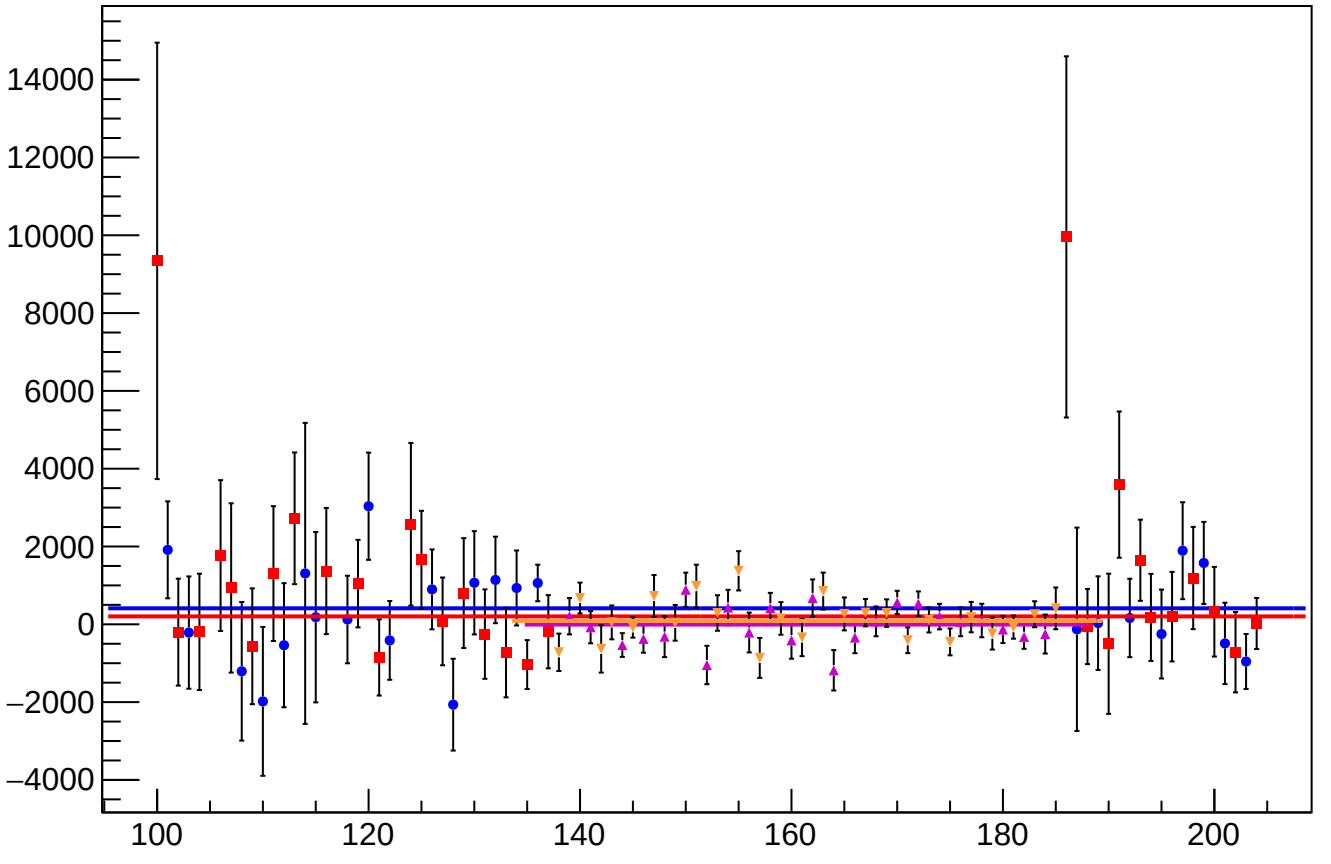
Right Out: 92.849+/-0.017 χ^2/NDF: 1970189.6/29

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 68.869+/-0.009 χ^2/NDF: 3728036.8/48

All: 69.607+/-0.006 χ^2/NDF: 8457731.7/101

- sign 70.364+/-0.009 χ^2/NDF: 4715572.0/52



Right In: 411.182+/-221.594 χ^2/NDF: 24.0/23

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

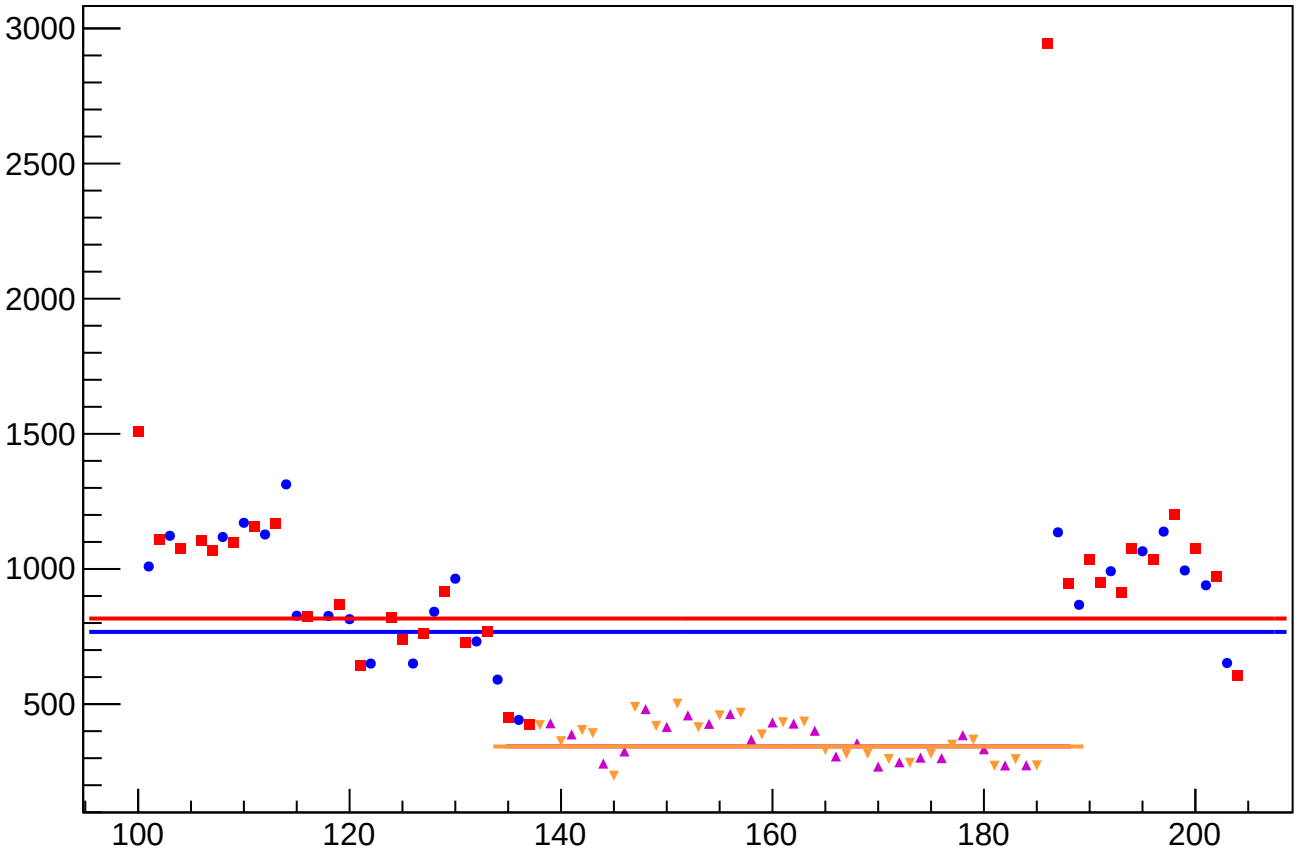
Right Out: 203.412+/-218.594 χ^2/NDF: 27.6/29

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 124.232+/-75.110 χ^2/NDF: 57.5/48

All: 73.056+/-53.721 χ^2/NDF: 119.3/101

- sign 19.458+/-76.867 χ^2/NDF: 60.9/52



Right In: 767.174+/-0.157 χ^2/NDF: 2315736.1/23

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 816.691+/-0.155 χ^2/NDF: 2840295.0/29

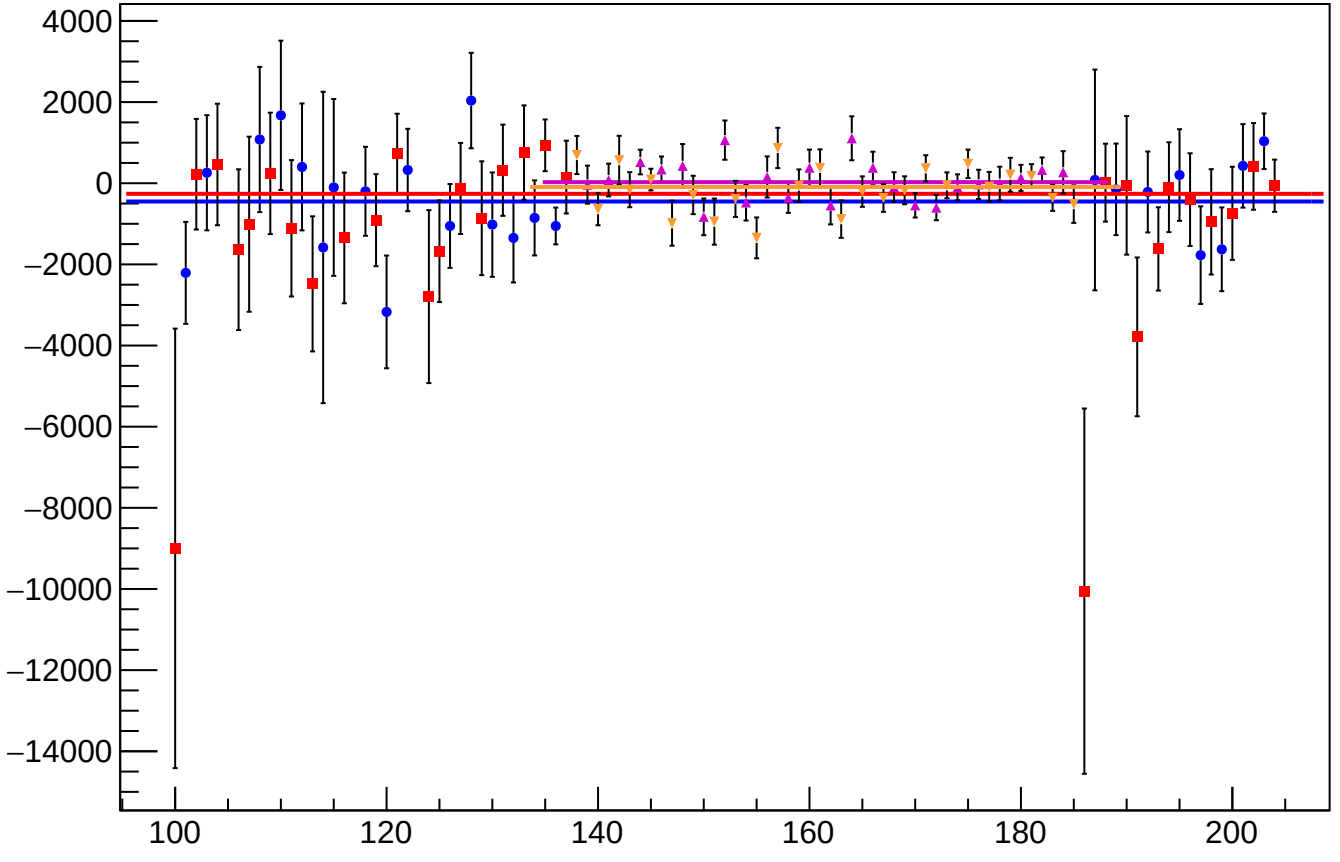
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 391.933+/-0.053 χ^2/NDF: 10390602.8/48

All: 396.948+/-0.038 χ^2/NDF: 22713025.6/10

- sign 402.201+/-0.054 χ^2/NDF: 12304165.9/52

asym_sam_15_26_dd_mean vs Slug



Right In: -450.284+/-216.720 χ^2/NDF: 25.2/23

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -261.184+/-217.431 χ^2/NDF: 26.0/29

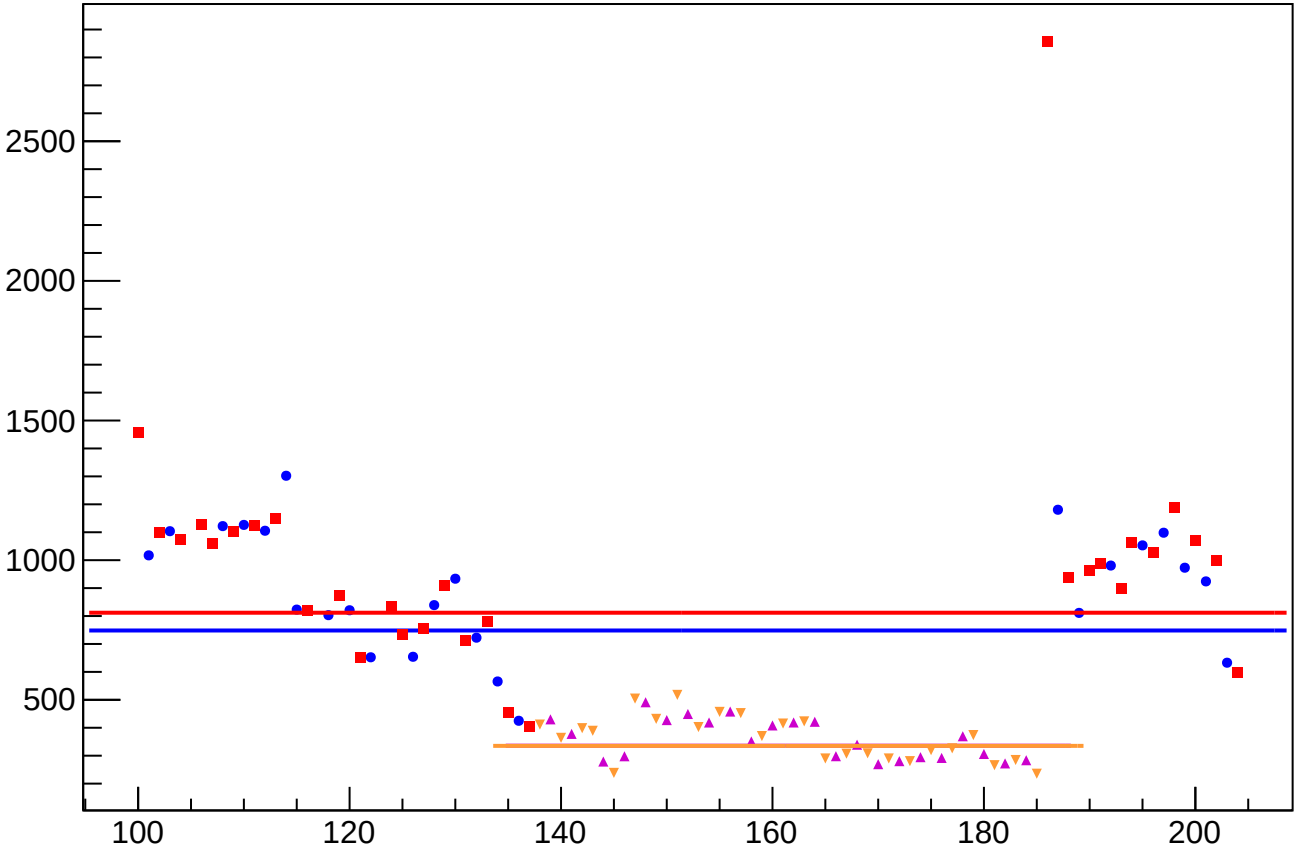
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -133.854+/-73.545 χ^2/NDF: 61.8/48

All: -72.060+/-52.597 χ^2/NDF: 121.7/101

- sign -7.366+/-75.251 χ^2/NDF: 58.4/52

asym_sam_15_26_dd_rms vs Slug



Right In: 748.256+/-0.153 χ^2/NDF: 2422835.5/23

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

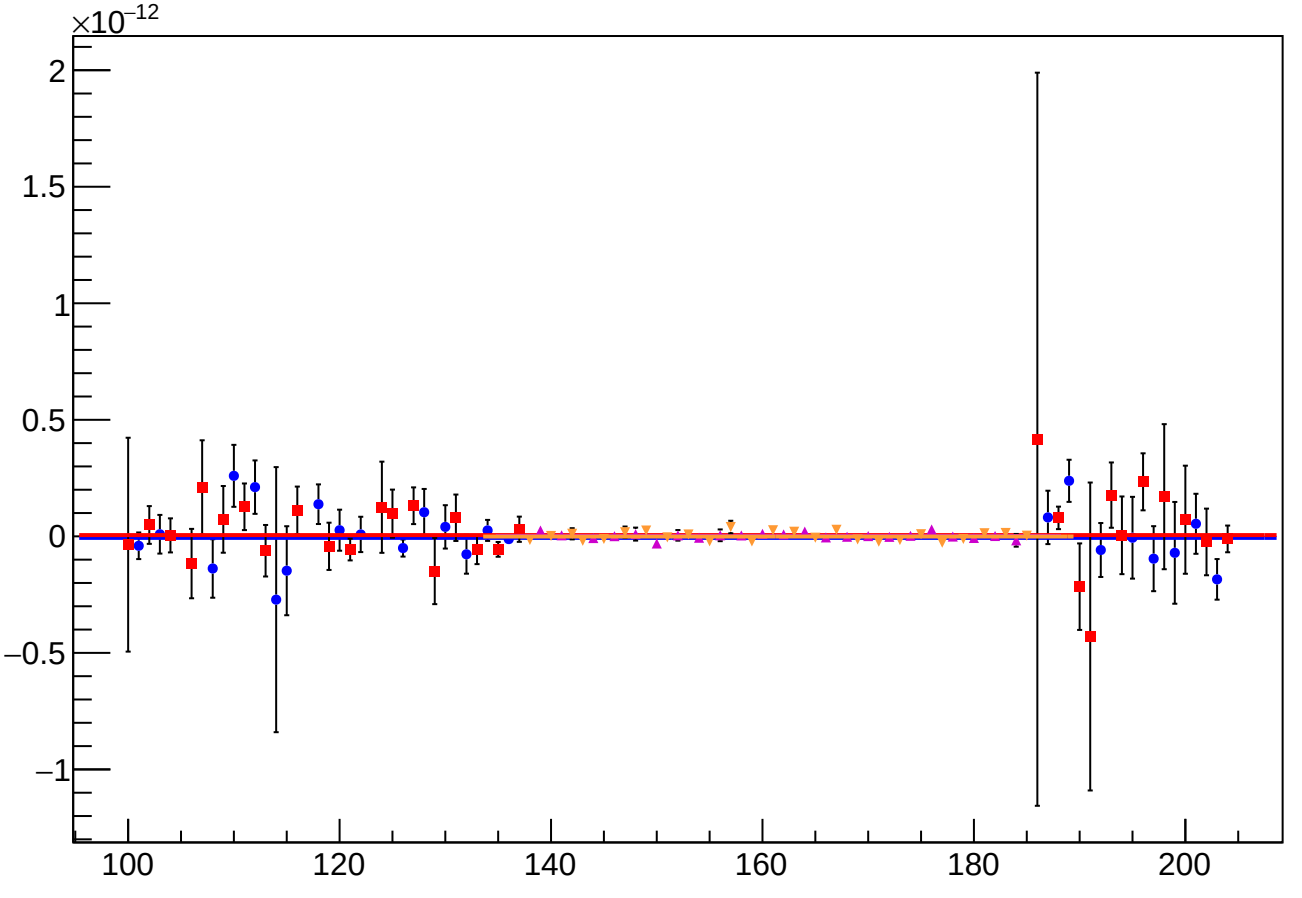
Right Out: 811.869+/-0.154 χ^2/NDF: 2847561.7/29

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 382.723+/-0.052 χ^2/NDF: 10558954.8/48

All: 387.652+/-0.037 χ^2/NDF: 23156261.8/10

- sign 392.811+/-0.053 χ^2/NDF: 12578922.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

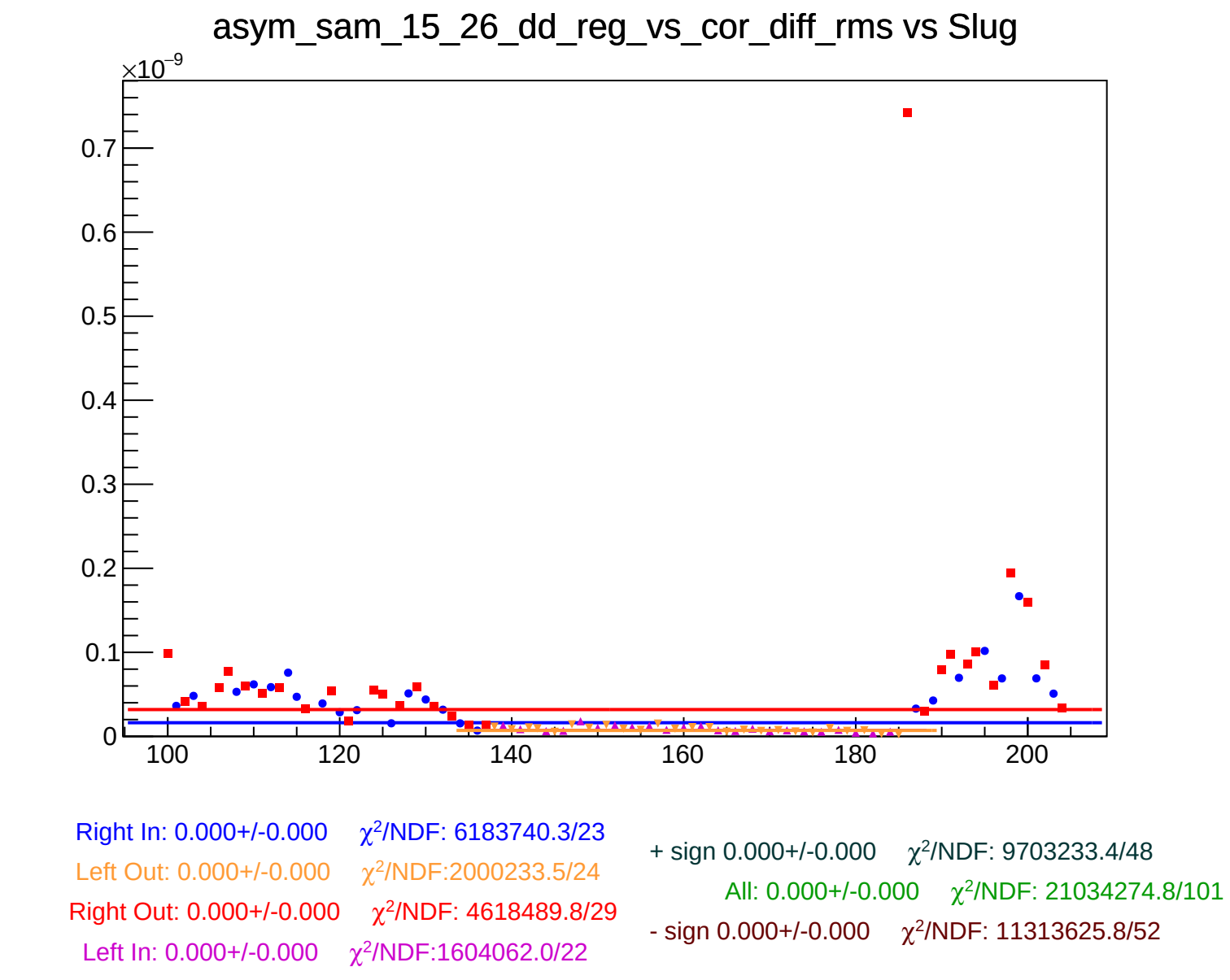
Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/29

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

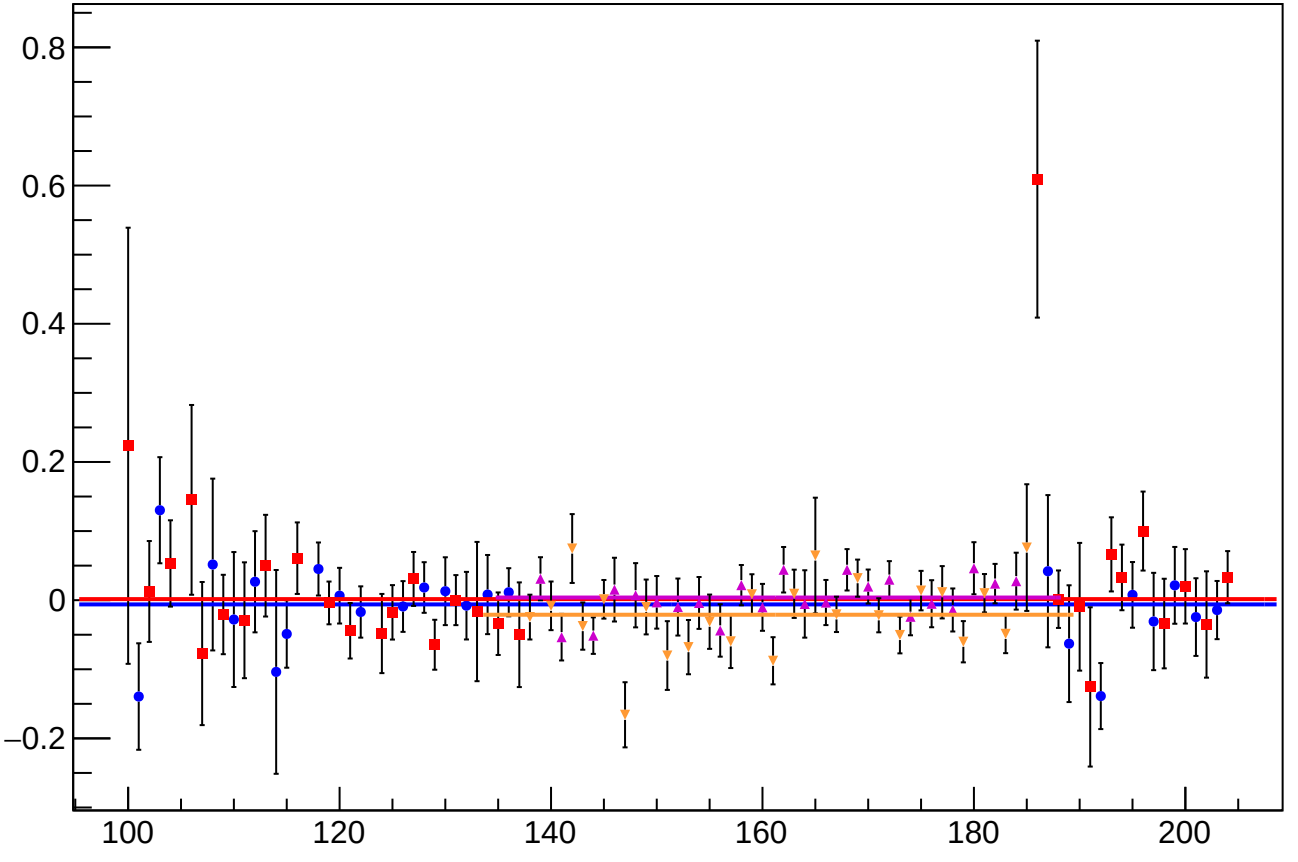
+ sign -0.000+/-0.000 χ^2/NDF: 63.8/48

All: 0.000+/-0.000 χ^2/NDF: 106.5/101

- sign 0.000+/-0.000 χ^2/NDF: 42.2/52


asym_sam_15_26_dd_reg_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: 6183740.3/23
Left Out: 0.000+/-0.000 χ²/NDF:2000233.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4618489.8/29
Left In: 0.000+/-0.000 χ²/NDF:1604062.0/22
+ sign 0.000+/-0.000 χ²/NDF: 9703233.4/48
All: 0.000+/-0.000 χ²/NDF: 21034274.8/101
- sign 0.000+/-0.000 χ²/NDF: 11313625.8/52

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.010 χ^2/NDF: 19.7/23

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.002+/-0.010 χ^2/NDF: 28.9/29

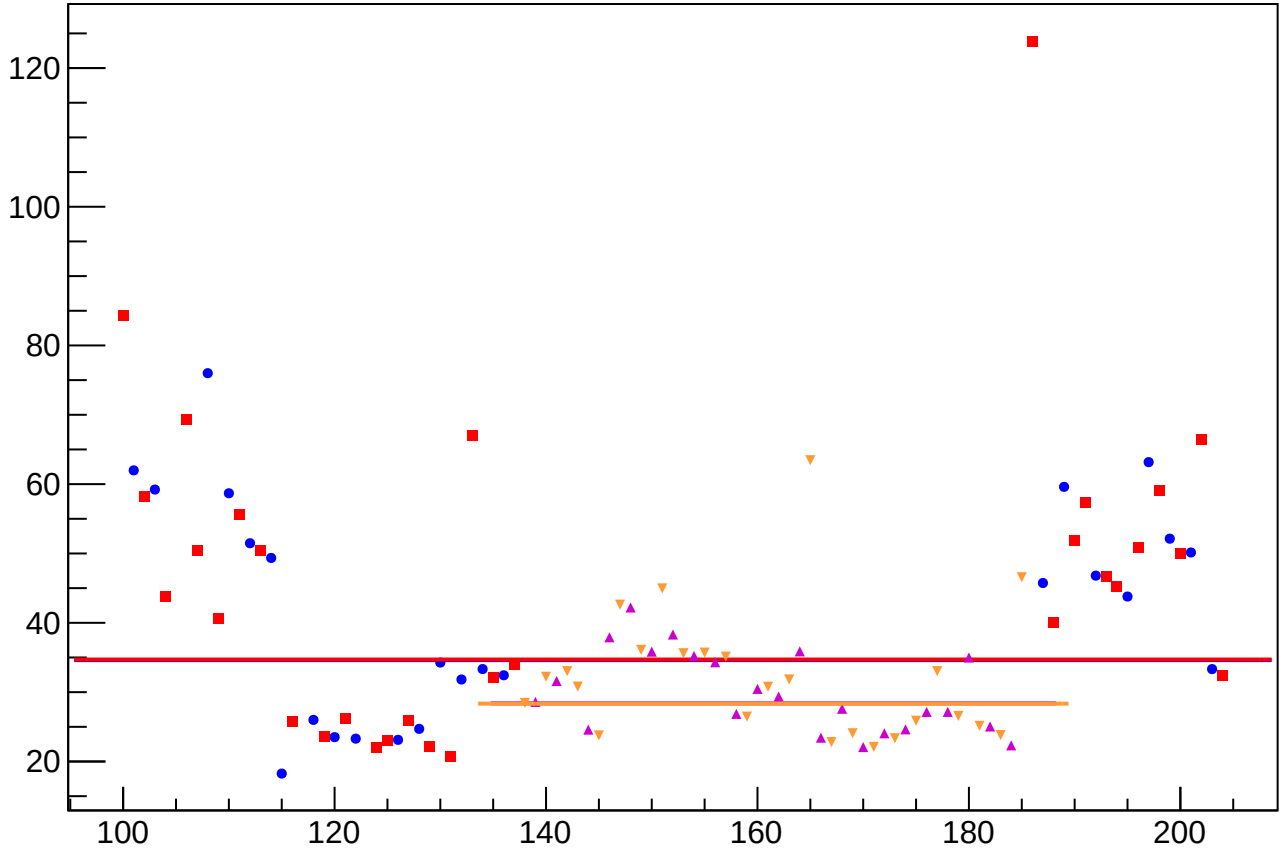
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 58.3/48

All: -0.007+/-0.004 χ^2/NDF: 112.1/101

- sign 0.003+/-0.006 χ^2/NDF: 47.6/52

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.623+/-0.007 χ^2/NDF: 3029601.2/23

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

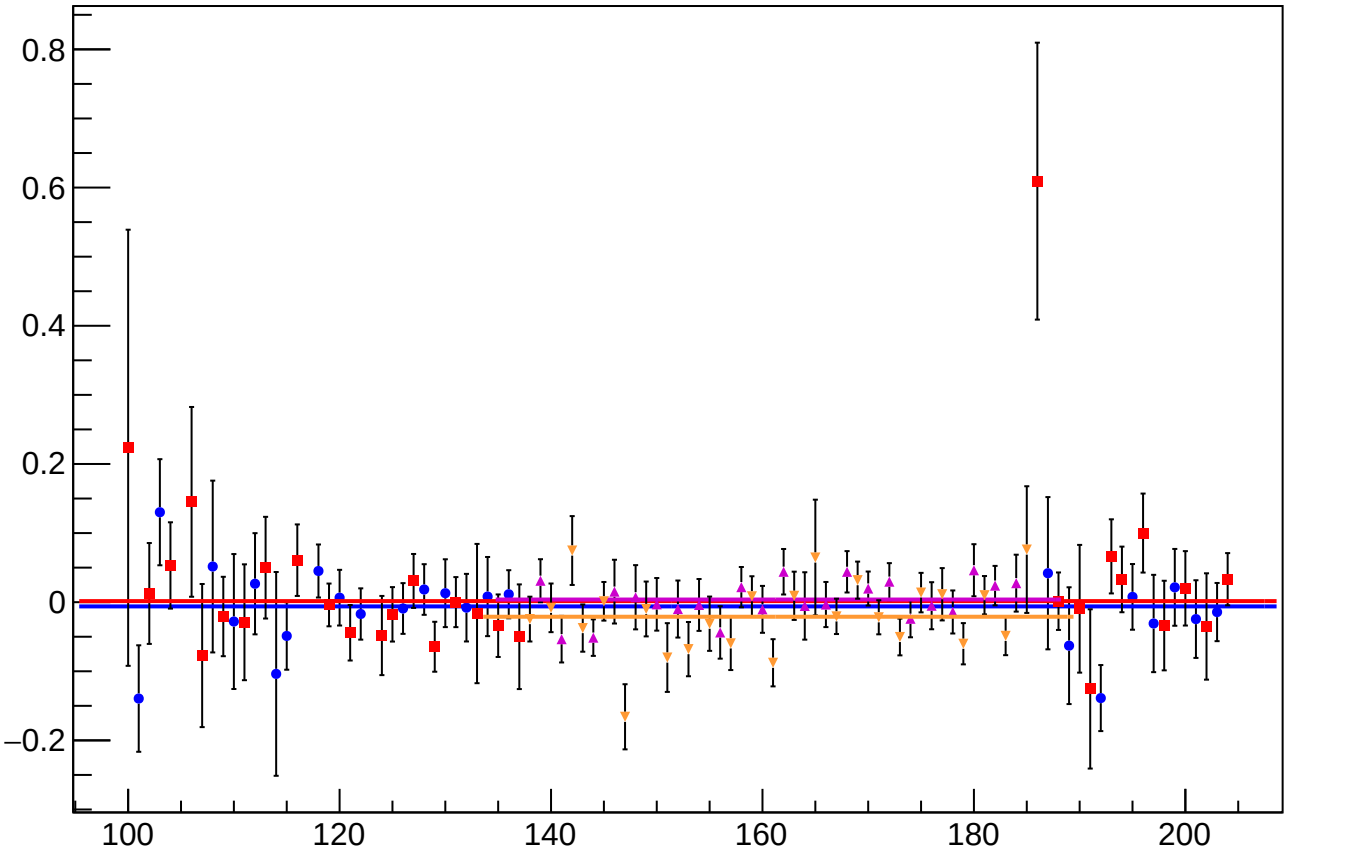
Right Out: 34.707+/-0.007 χ^2/NDF: 3968545.0/29

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

\+ sign 30.158+/-0.004 χ^2/NDF: 5275944.4/48

All: 30.319+/-0.003 χ^2/NDF: 10907856.9/101

\- sign 30.480+/-0.004 χ^2/NDF: 5628623.0/52



Right In: -0.006+/-0.010 χ^2/NDF: 19.7/23

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

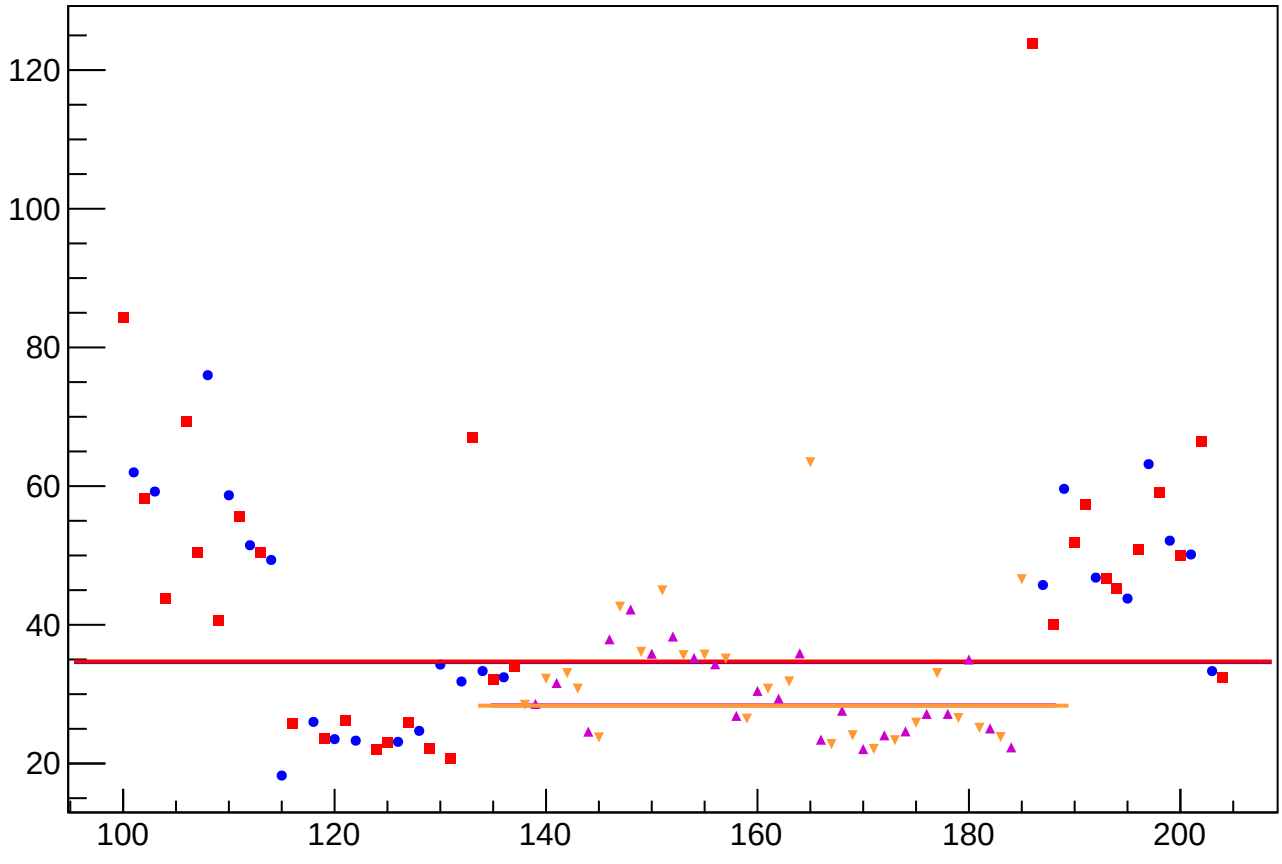
Right Out: 0.002+/-0.010 χ^2/NDF: 28.9/29

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 58.3/48

All: -0.007+/-0.004 χ^2/NDF: 112.1/101

- sign 0.003+/-0.006 χ^2/NDF: 47.6/52



Right In: 34.623+/-0.007 χ^2/NDF: 3029601.2/23

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

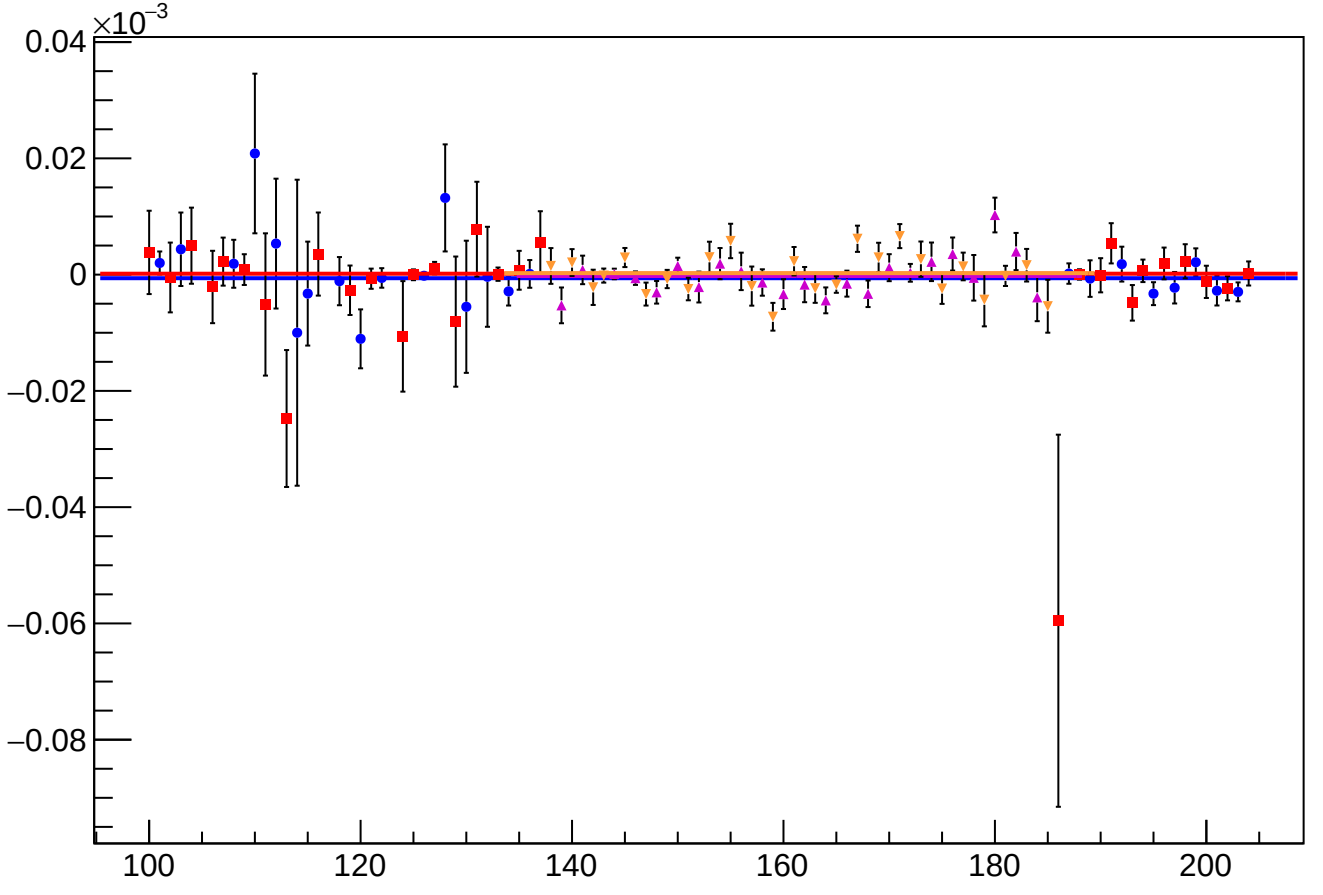
Right Out: 34.707+/-0.007 χ^2/NDF: 3968545.0/29

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.158+/-0.004 χ^2/NDF: 5275944.4/48

All: 30.319+/-0.003 χ^2/NDF: 10907856.9/101

- sign 30.480+/-0.004 χ^2/NDF: 5628623.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

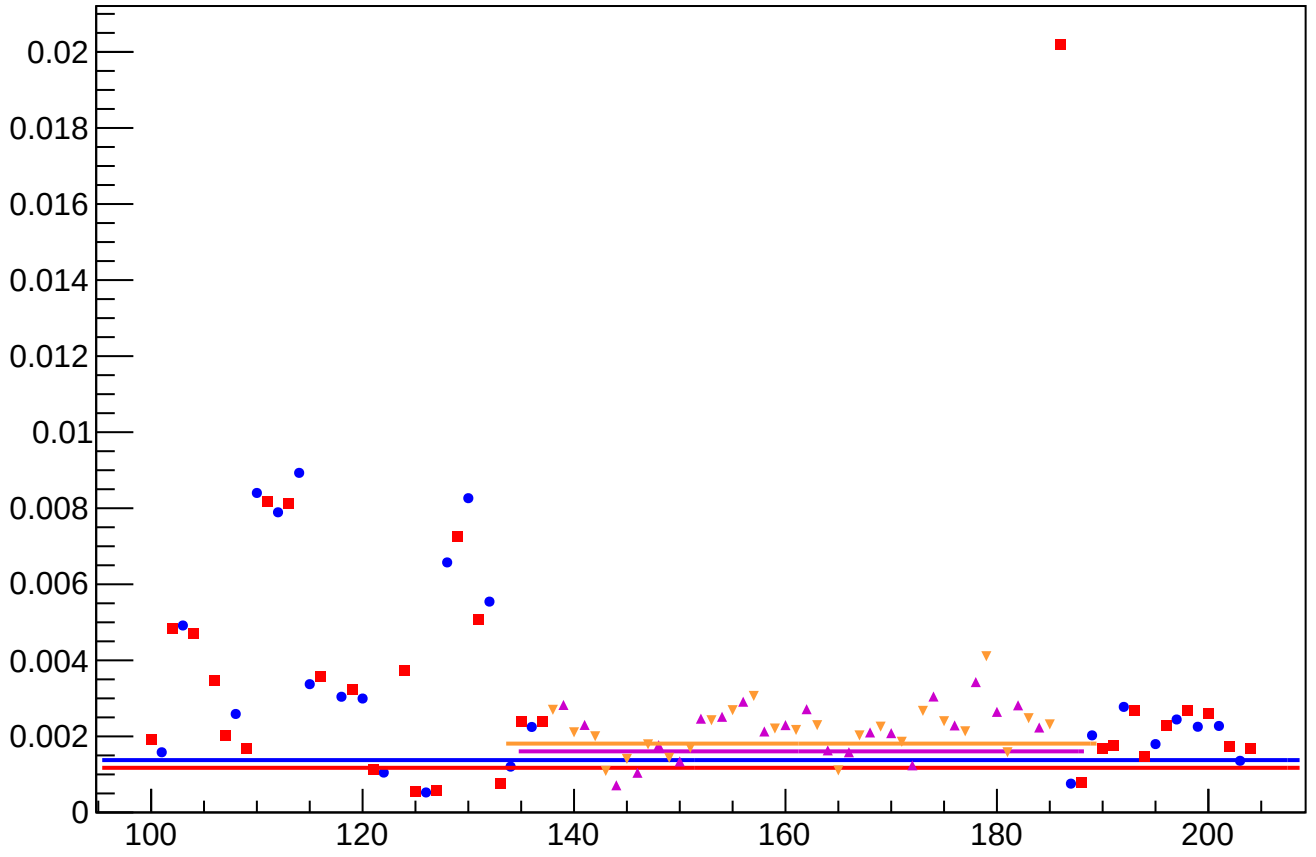
Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/29

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.3/48

All: -0.000+/-0.000 χ^2/NDF: 129.8/101

- sign -0.000+/-0.000 χ^2/NDF: 56.4/52



Right In: 0.001+/-0.000 χ^2/NDF: 8810695.2/23

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

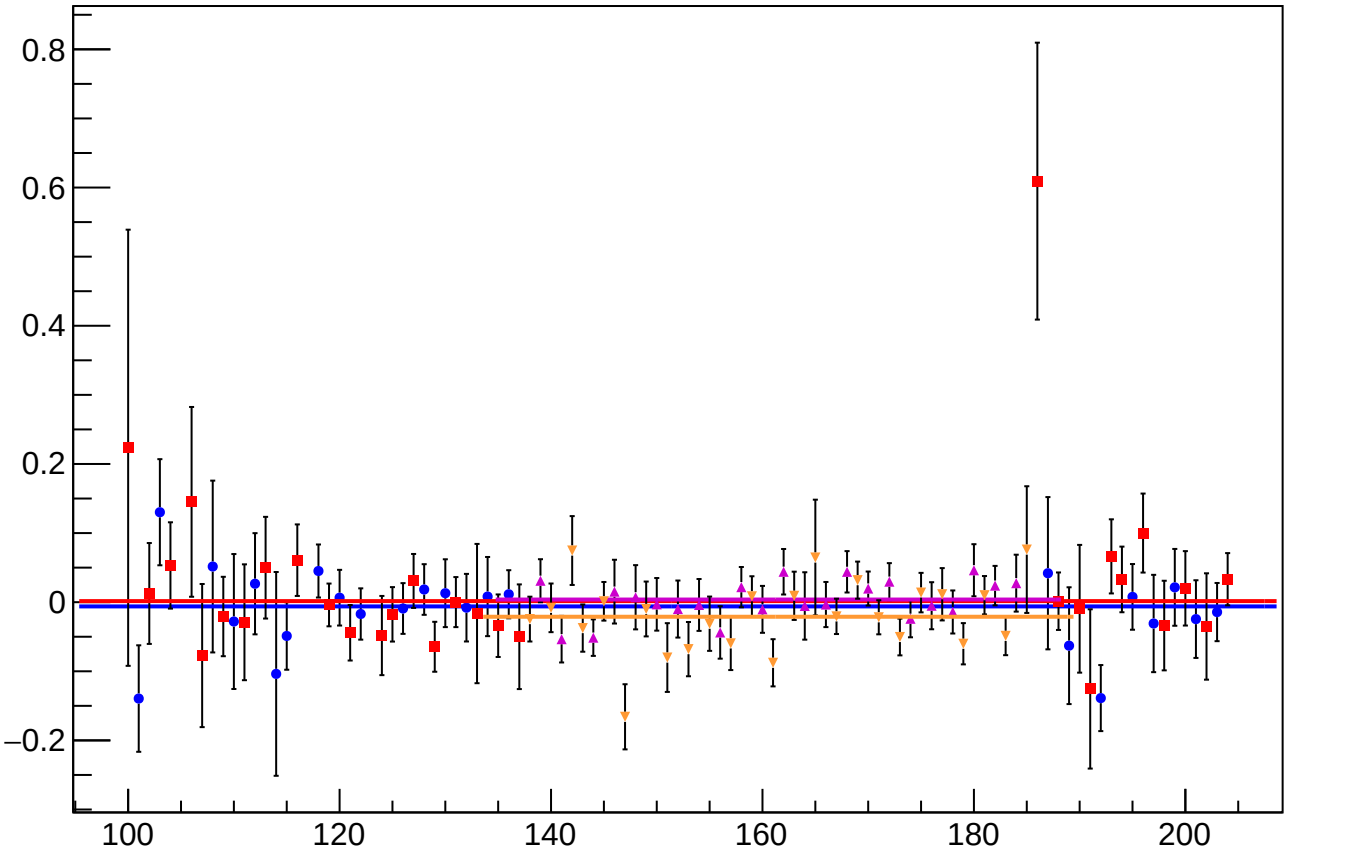
Right Out: 0.001+/-0.000 χ^2/NDF: 10534688.3/29

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 13135956.6/48

All: 0.001+/-0.000 χ^2/NDF: 31426892.6/101

- sign 0.001+/-0.000 χ^2/NDF: 17678499.6/52



Right In: -0.006+/-0.010 χ^2/NDF: 19.7/23

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

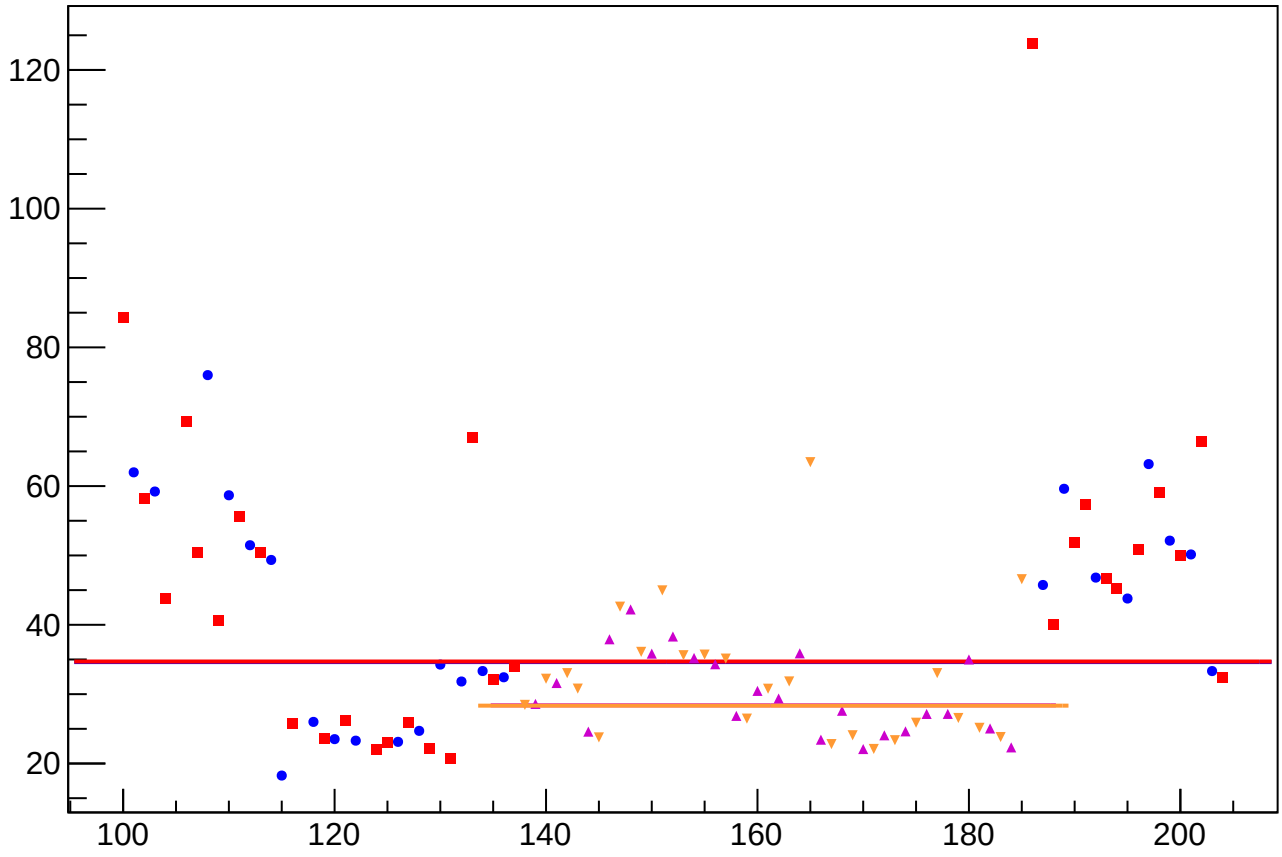
Right Out: 0.002+/-0.010 χ^2/NDF: 28.9/29

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 58.3/48

All: -0.007+/-0.004 χ^2/NDF: 112.1/101

- sign 0.003+/-0.006 χ^2/NDF: 47.6/52



Right In: 34.623+/-0.007 χ^2/NDF: 3029472.0/23

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

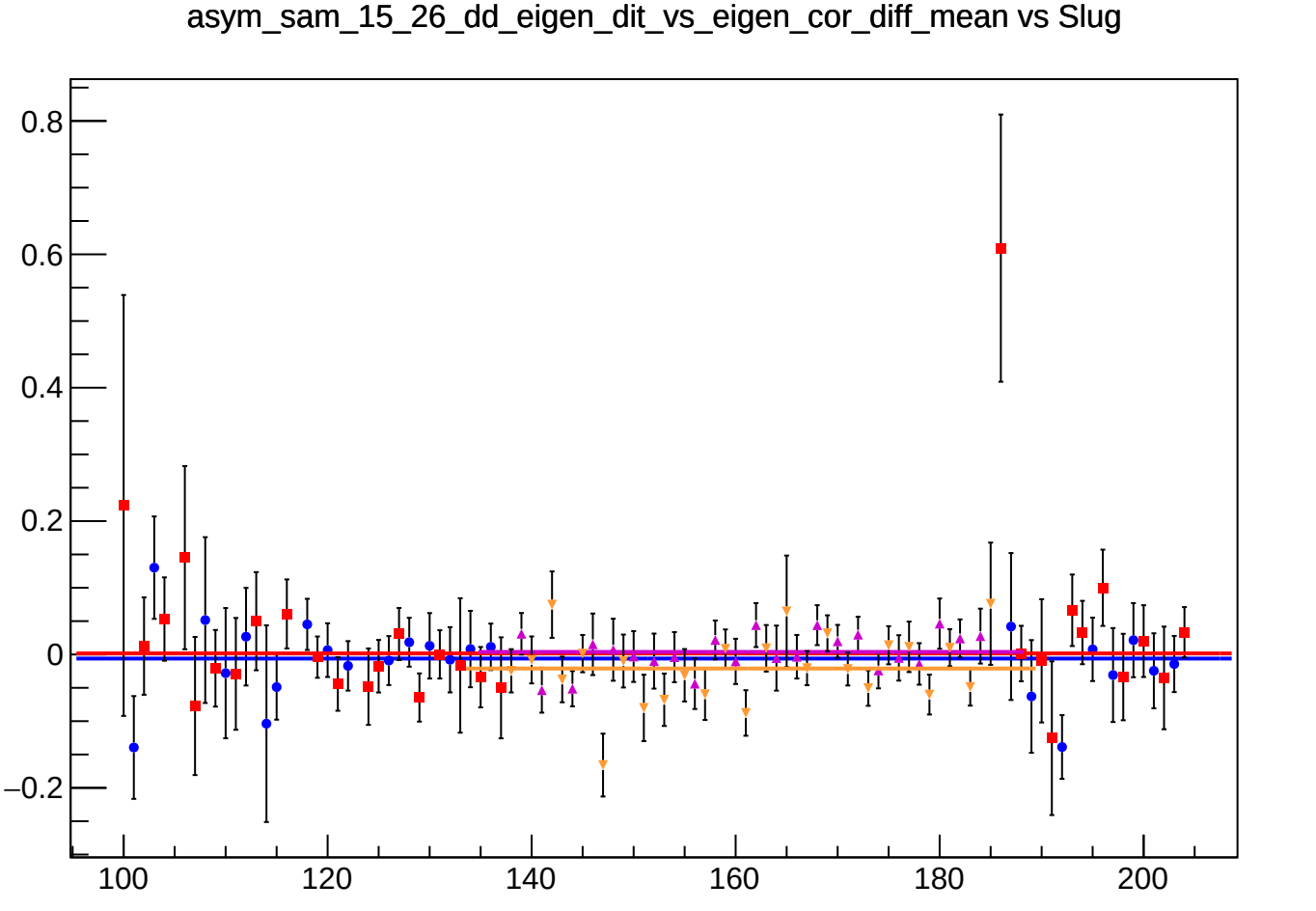
Right Out: 34.706+/-0.007 χ^2/NDF: 3968648.8/29

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.158+/-0.004 χ^2/NDF: 5275804.7/48

All: 30.319+/-0.003 χ^2/NDF: 10907698.3/101

- sign 30.480+/-0.004 χ^2/NDF: 5628604.2/52



Right In: -0.006+/-0.010 χ^2/NDF: 19.7/23

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

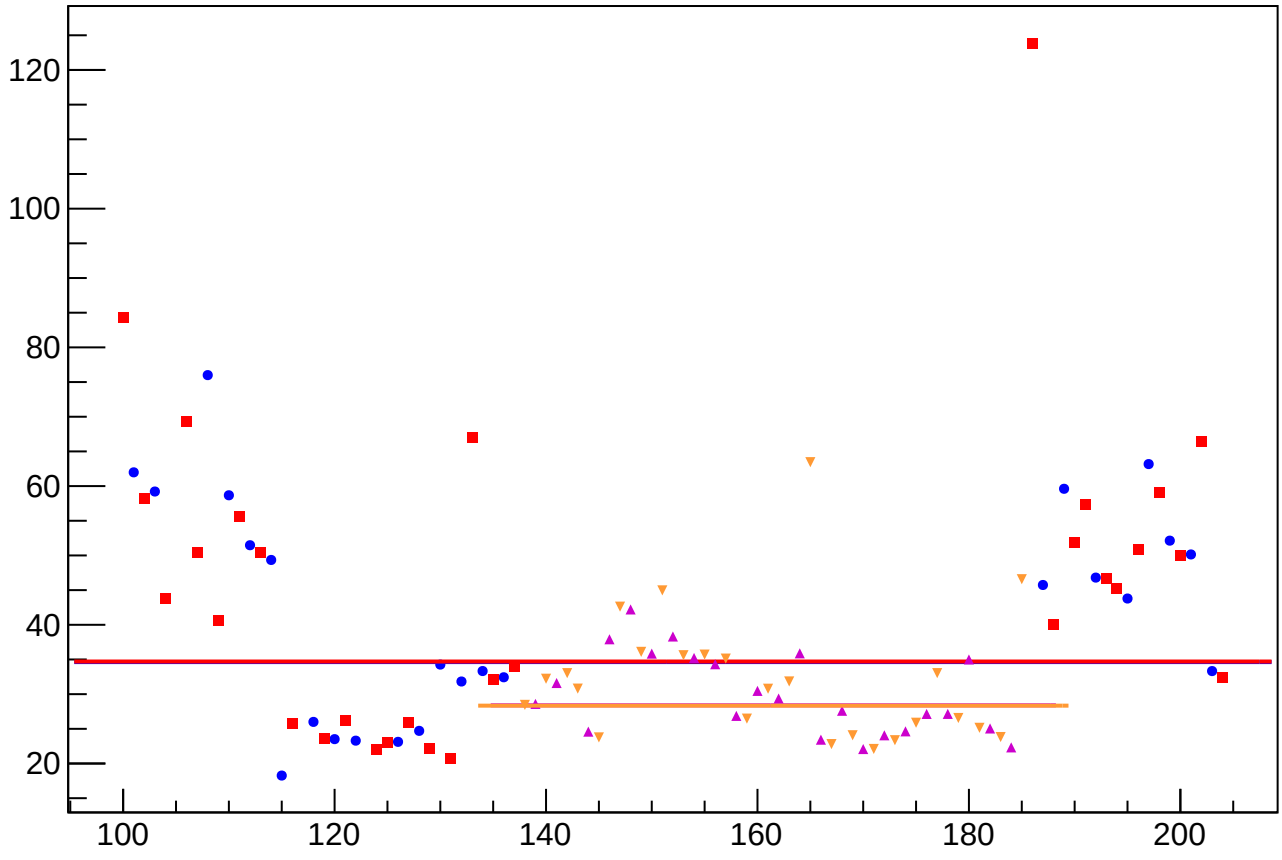
Right Out: 0.002+/-0.010 χ^2/NDF: 28.9/29

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 58.3/48

All: -0.007+/-0.004 χ^2/NDF: 112.1/101

- sign 0.003+/-0.006 χ^2/NDF: 47.6/52



Right In: 34.623+/-0.007 χ^2/NDF: 3029472.0/23

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

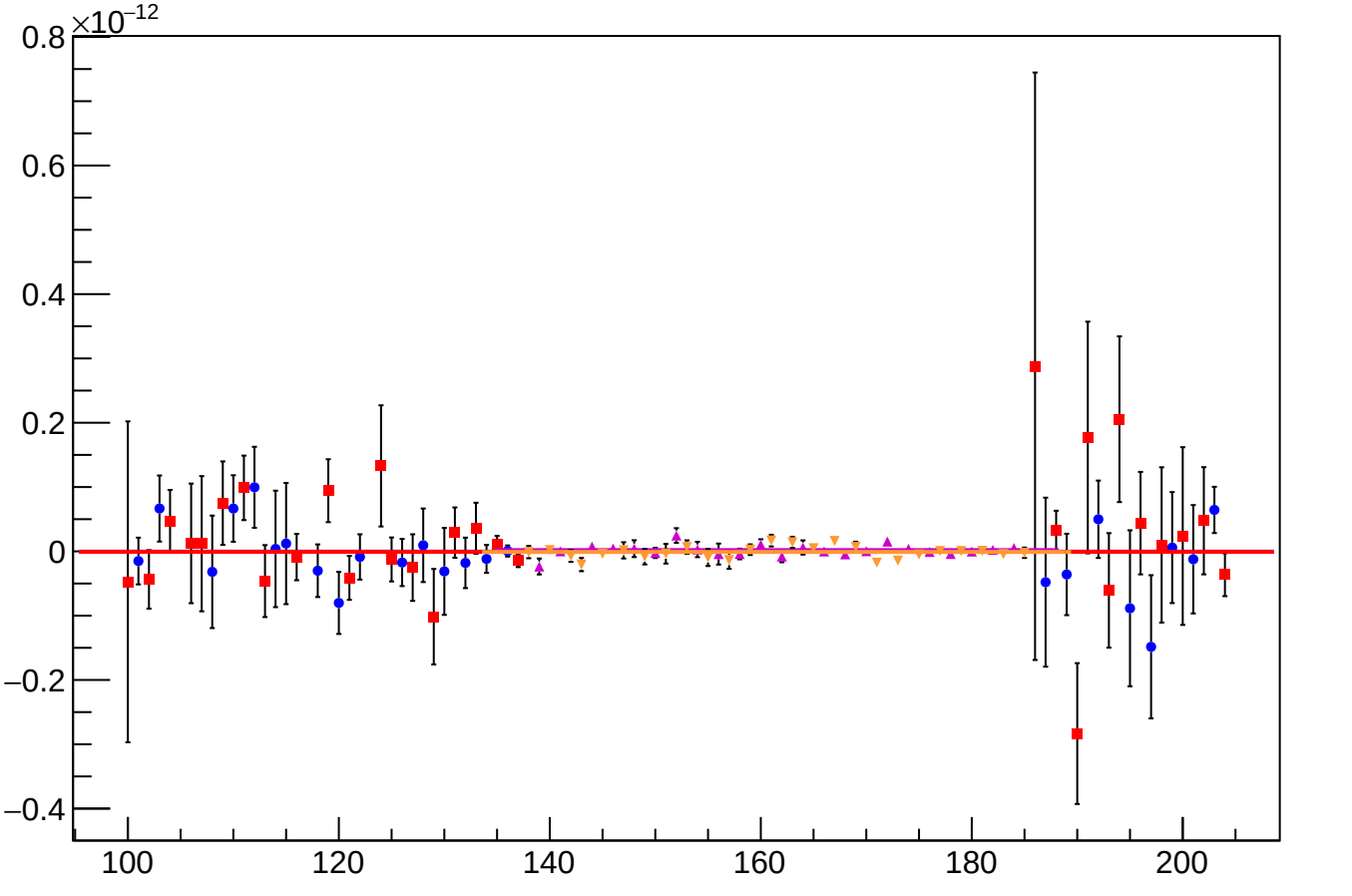
Right Out: 34.706+/-0.007 χ^2/NDF: 3968648.8/29

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 30.158+/-0.004 χ^2/NDF: 5275804.7/48

All: 30.319+/-0.003 χ^2/NDF: 10907698.3/101

\- sign 30.480+/-0.004 χ^2/NDF: 5628604.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

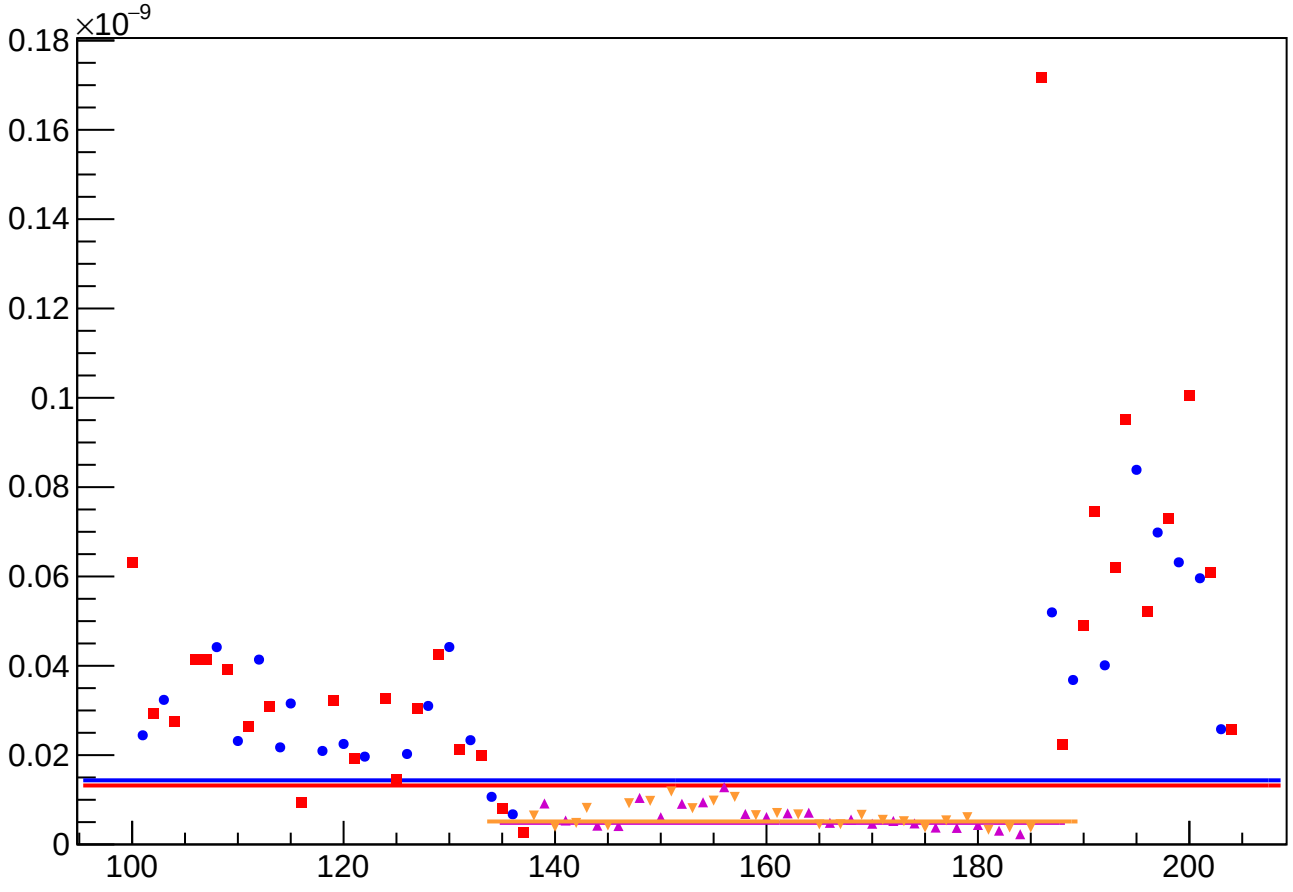
Right Out: -0.000+/-0.000 χ^2/NDF: 35.4/29

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.3/48

All: 0.000+/-0.000 χ^2/NDF: 108.2/101

- sign 0.000+/-0.000 χ^2/NDF: 55.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 6987522.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10065074.0/29

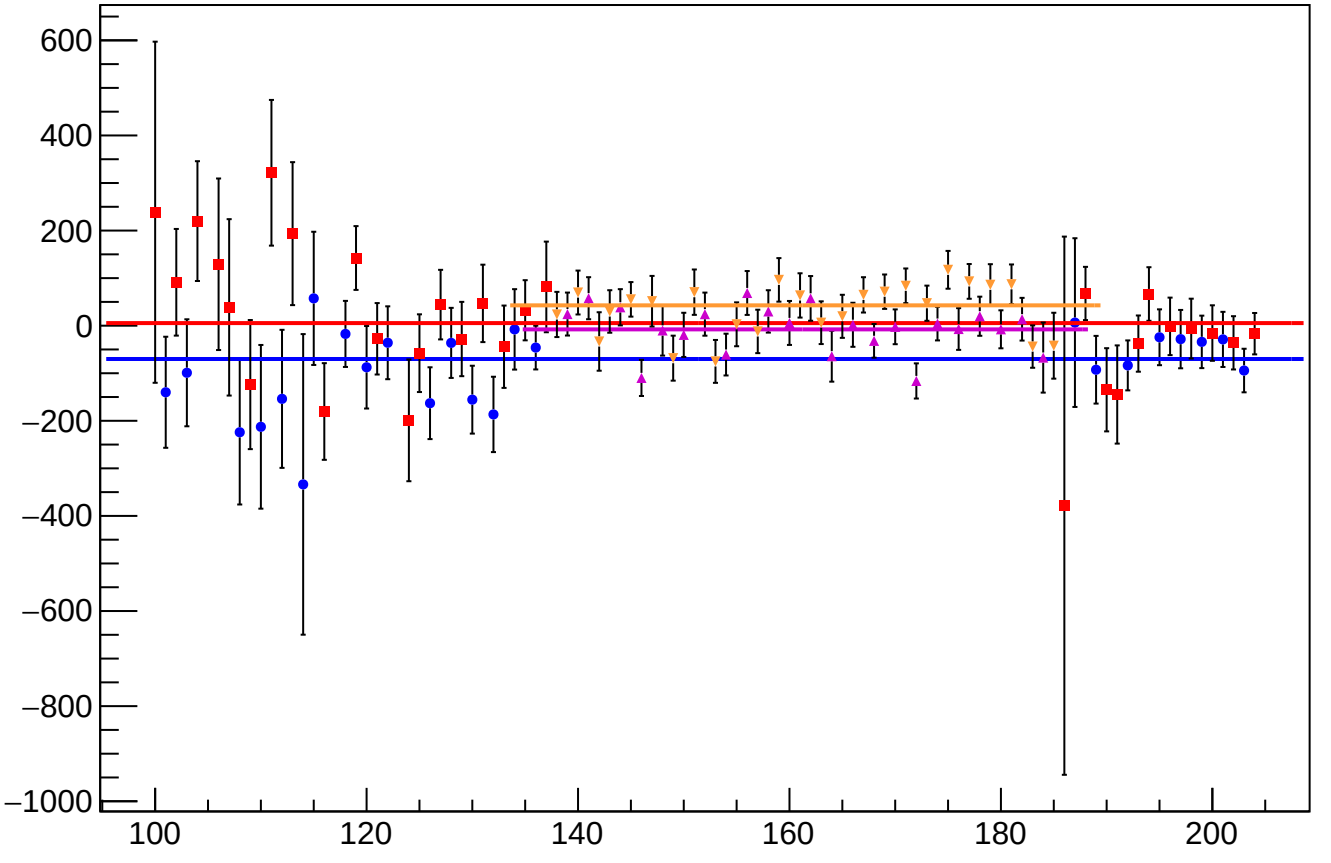
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 13786332.0/48

All: 0.000+/-0.000 χ^2/NDF: 30296433.0/101

- sign 0.000+/-0.000 χ^2/NDF: 16456229.6/52

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -70.041+/-15.030 χ^2/NDF: 13.6/23

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 5.464+/-14.332 χ^2/NDF: 33.0/29

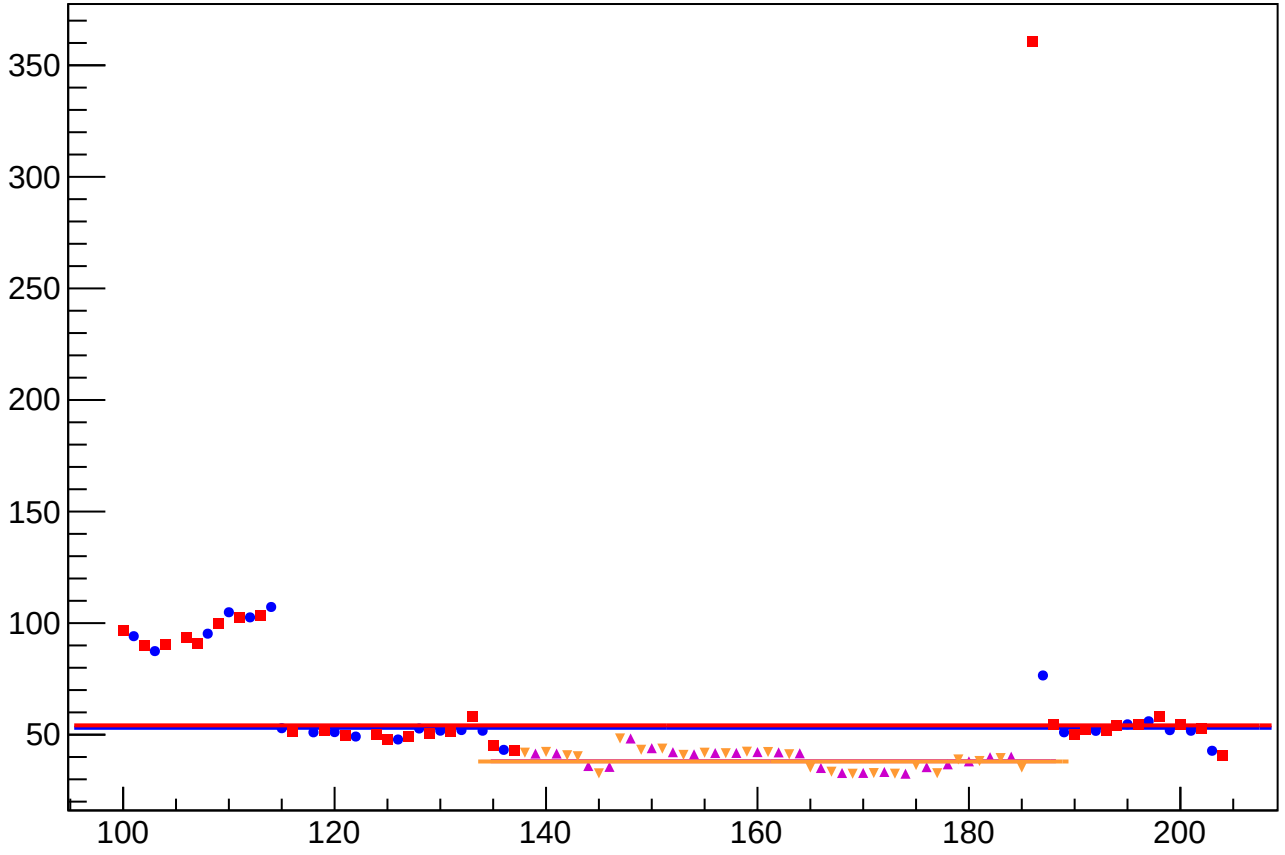
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 14.462+/-7.528 χ^2/NDF: 90.5/48

All: 5.300+/-5.351 χ^2/NDF: 157.7/101

- sign -4.052+/-7.606 χ^2/NDF: 64.2/52

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 53.094+/-0.011 χ^2/NDF: 1318668.4/23

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

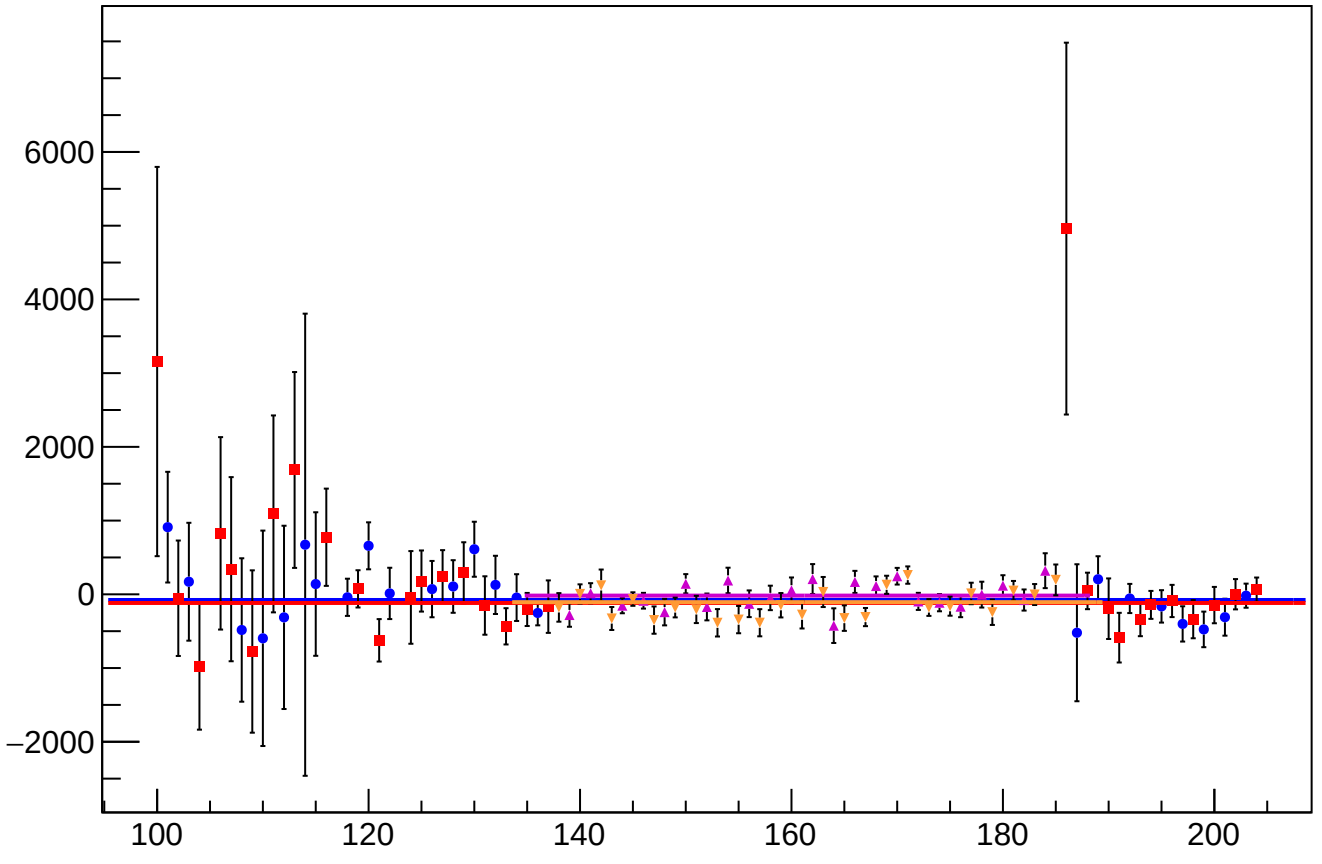
Right Out: 54.179+/-0.010 χ^2/NDF: 2129808.7/29

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

\+ sign 41.779+/-0.005 χ^2/NDF: 3345469.5/48

All: 42.211+/-0.004 χ^2/NDF: 7717752.3/101

\- sign 42.652+/-0.005 χ^2/NDF: 4358980.1/52



Right In: -76.949+/-62.029 χ^2/NDF: 19.7/23

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -117.296+/-57.717 χ^2/NDF: 25.8/29

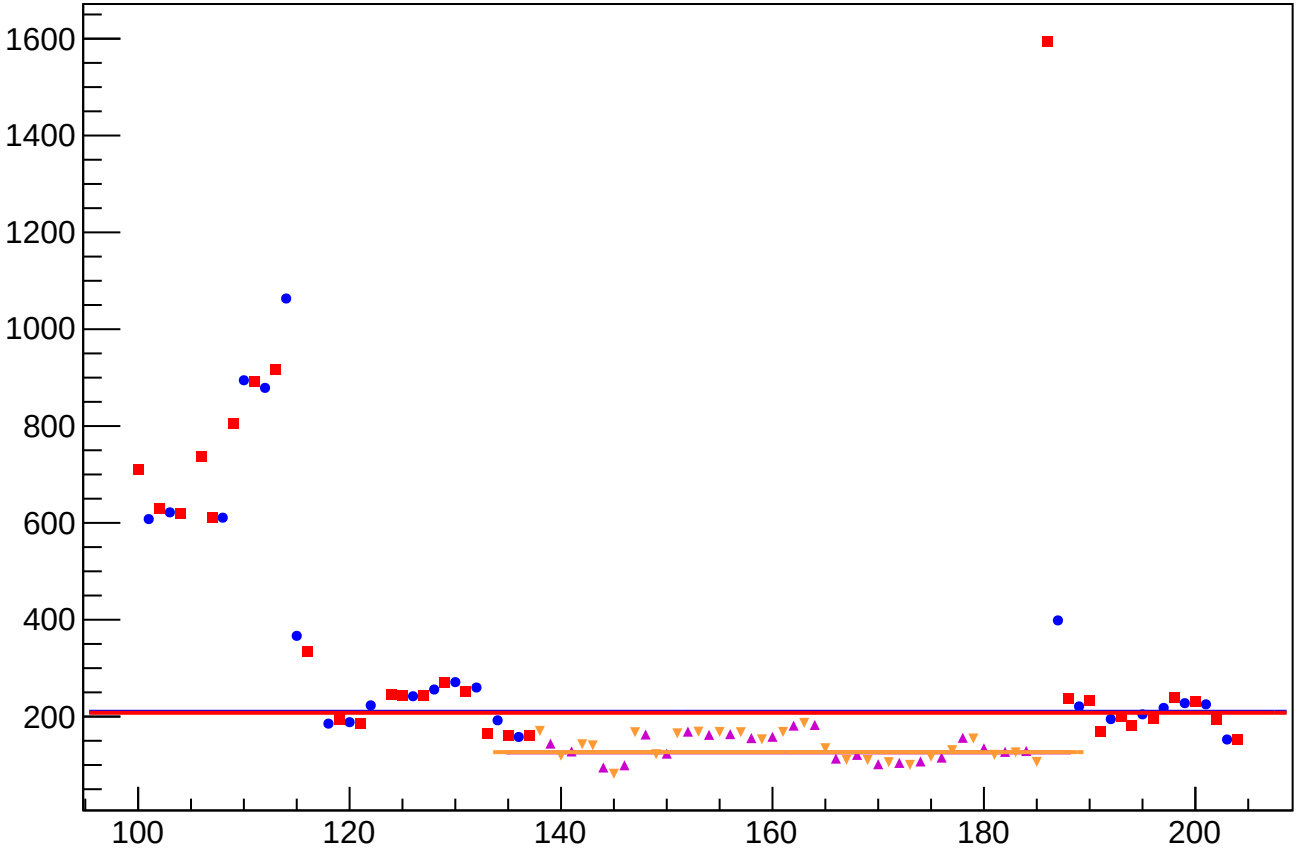
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -101.035+/-26.687 χ^2/NDF: 57.5/48

All: -70.062+/-18.892 χ^2/NDF: 116.5/101

- sign -38.947+/-26.748 χ^2/NDF: 56.4/52

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 209.898+/-0.044 χ^2/NDF: 3377780.2/23

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 207.827+/-0.041 χ^2/NDF: 4717219.7/29

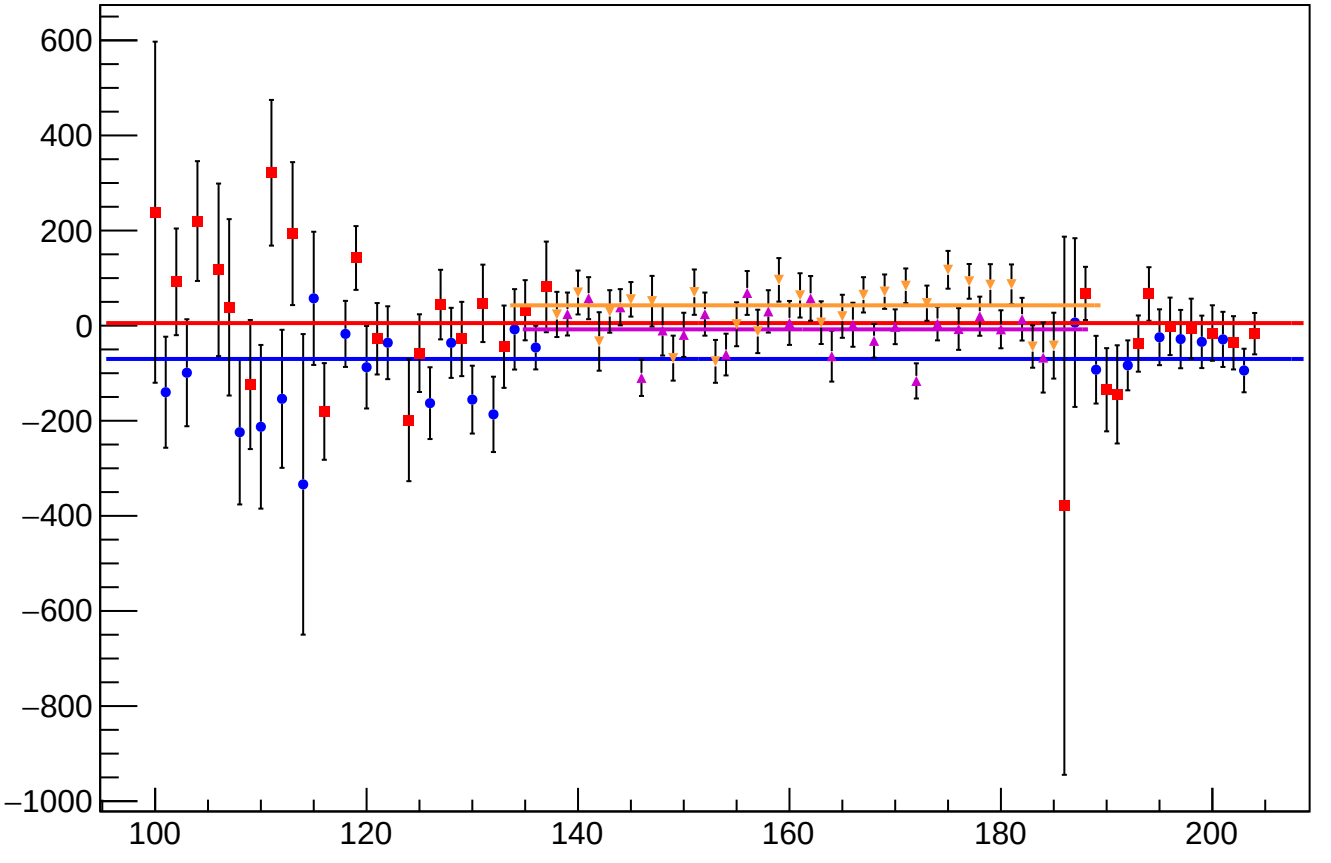
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 141.987+/-0.019 χ^2/NDF: 8077781.4/48

All: 142.784+/-0.013 χ^2/NDF: 17364737.3/10

- sign 143.585+/-0.019 χ^2/NDF: 9283379.0/52

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -70.039+/-15.030 χ^2/NDF: 13.6/23

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 5.397+/-14.332 χ^2/NDF: 32.9/29

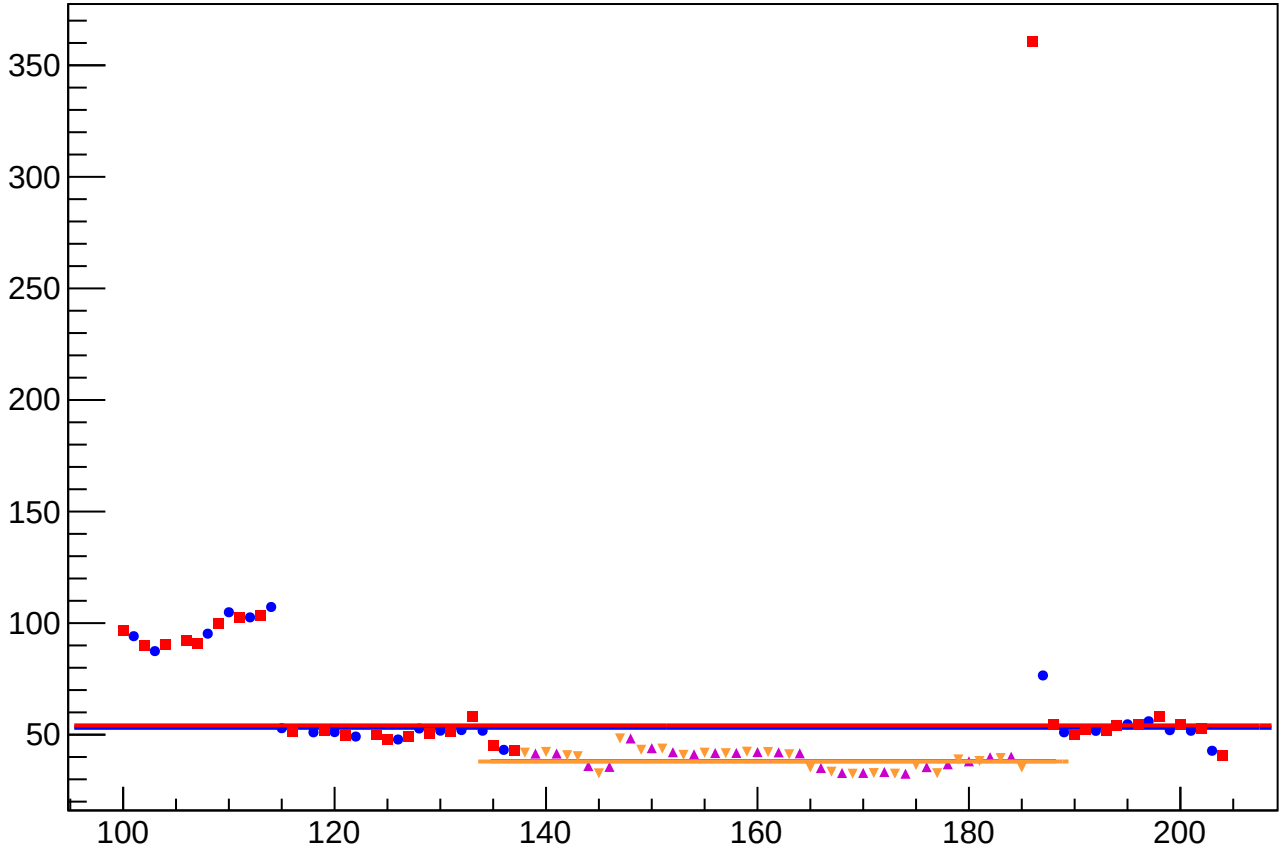
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 14.464+/-7.528 χ^2/NDF: 90.5/48

All: 5.292+/-5.351 χ^2/NDF: 157.6/101

- sign -4.072+/-7.606 χ^2/NDF: 64.1/52

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 53.094+/-0.011 χ^2/NDF: 1318668.6/23

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

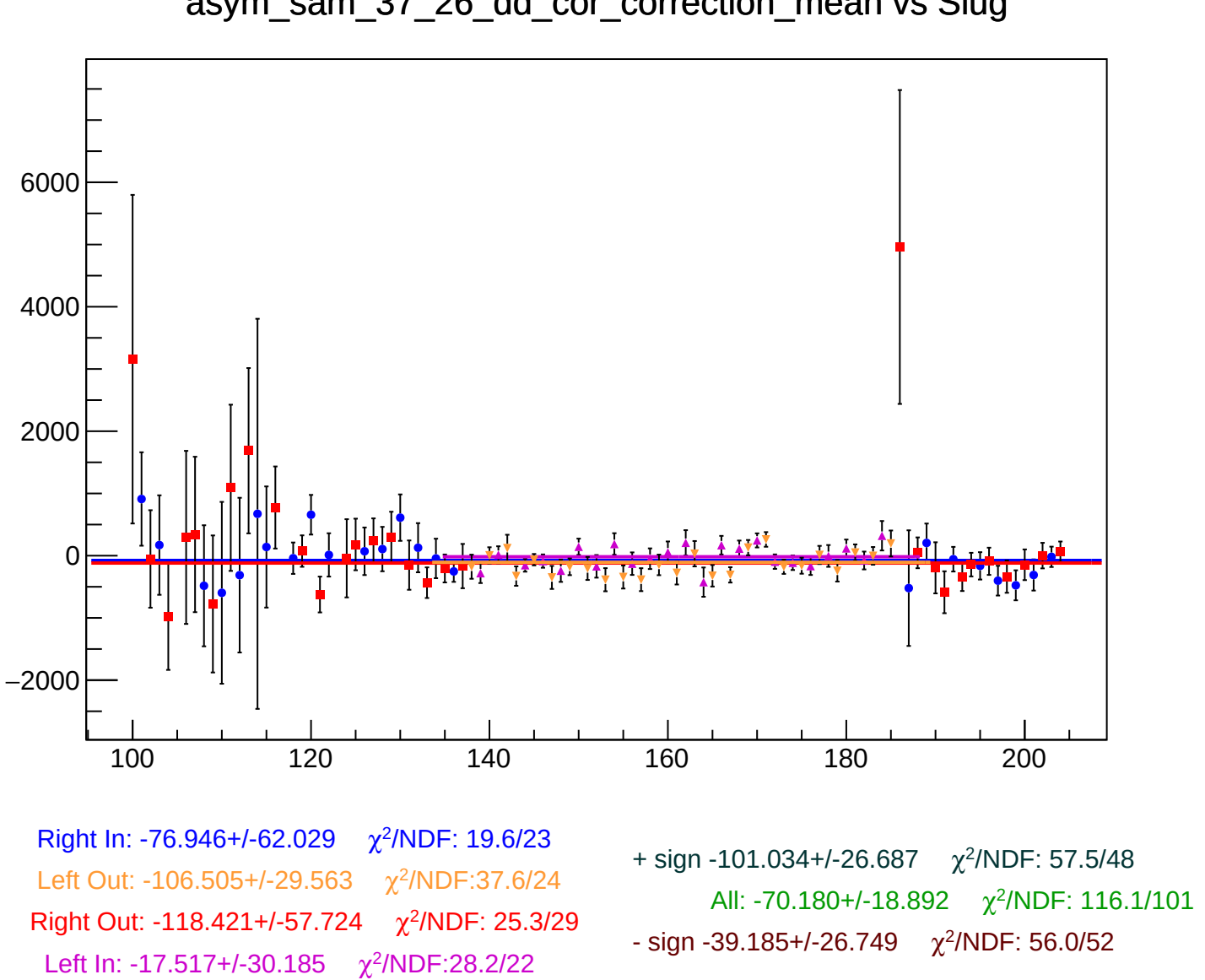
Right Out: 54.166+/-0.010 χ^2/NDF: 2121604.1/29

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

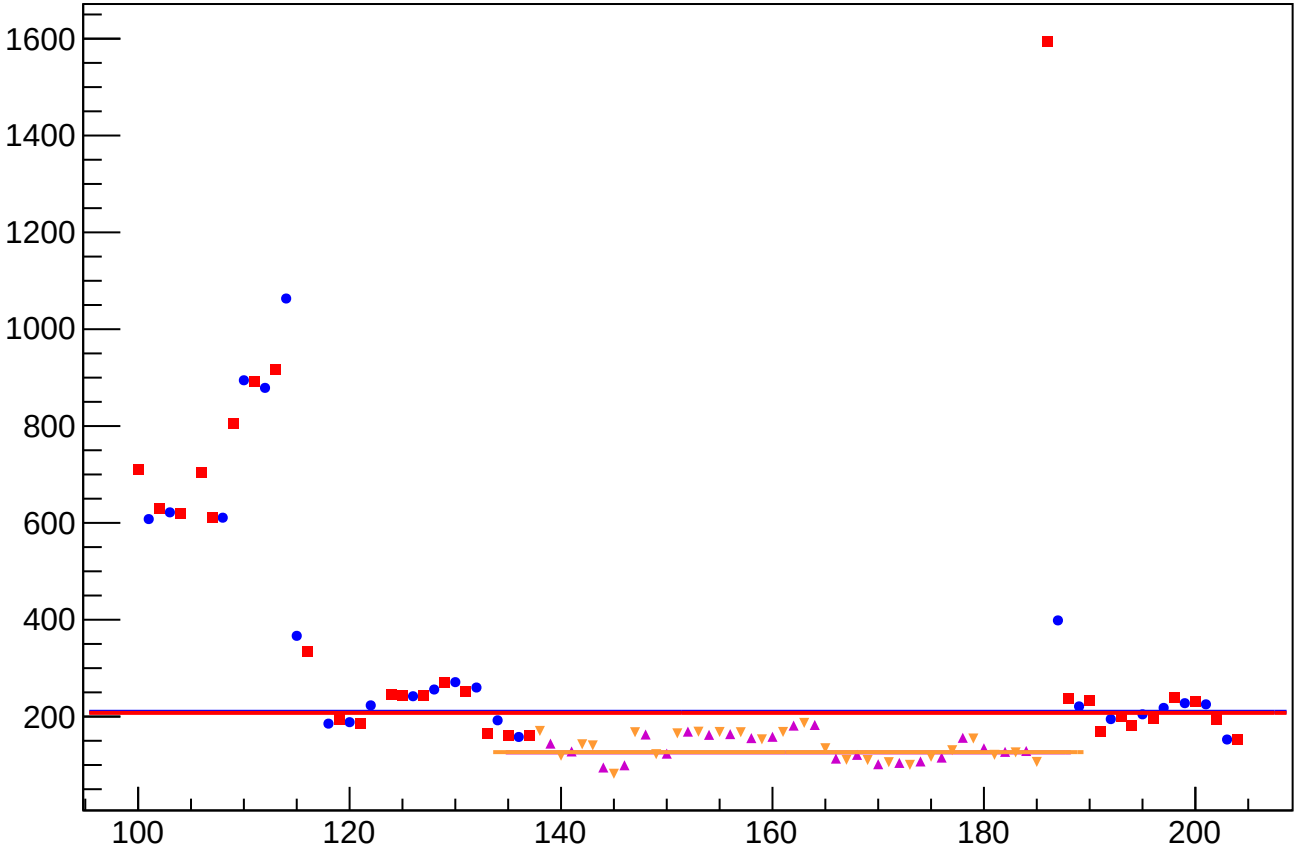
\+ sign 41.779+/-0.005 χ^2/NDF: 3345469.7/48

All: 42.210+/-0.004 χ^2/NDF: 7706535.0/101

\- sign 42.649+/-0.005 χ^2/NDF: 4347877.4/52


asym_sam_37_26_dd_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -76.946+/-62.029 χ²/NDF: 19.6/23
Left Out: -106.505+/-29.563 χ²/NDF:37.6/24
Right Out: -118.421+/-57.724 χ²/NDF: 25.3/29
Left In: -17.517+/-30.185 χ²/NDF:28.2/22
+ sign -101.034+/-26.687 χ²/NDF: 57.5/48
All: -70.180+/-18.892 χ²/NDF: 116.1/101
- sign -39.185+/-26.749 χ²/NDF: 56.0/52

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 209.898+/-0.044 χ^2/NDF: 3377790.3/23

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 207.648+/-0.041 χ^2/NDF: 4644412.7/29

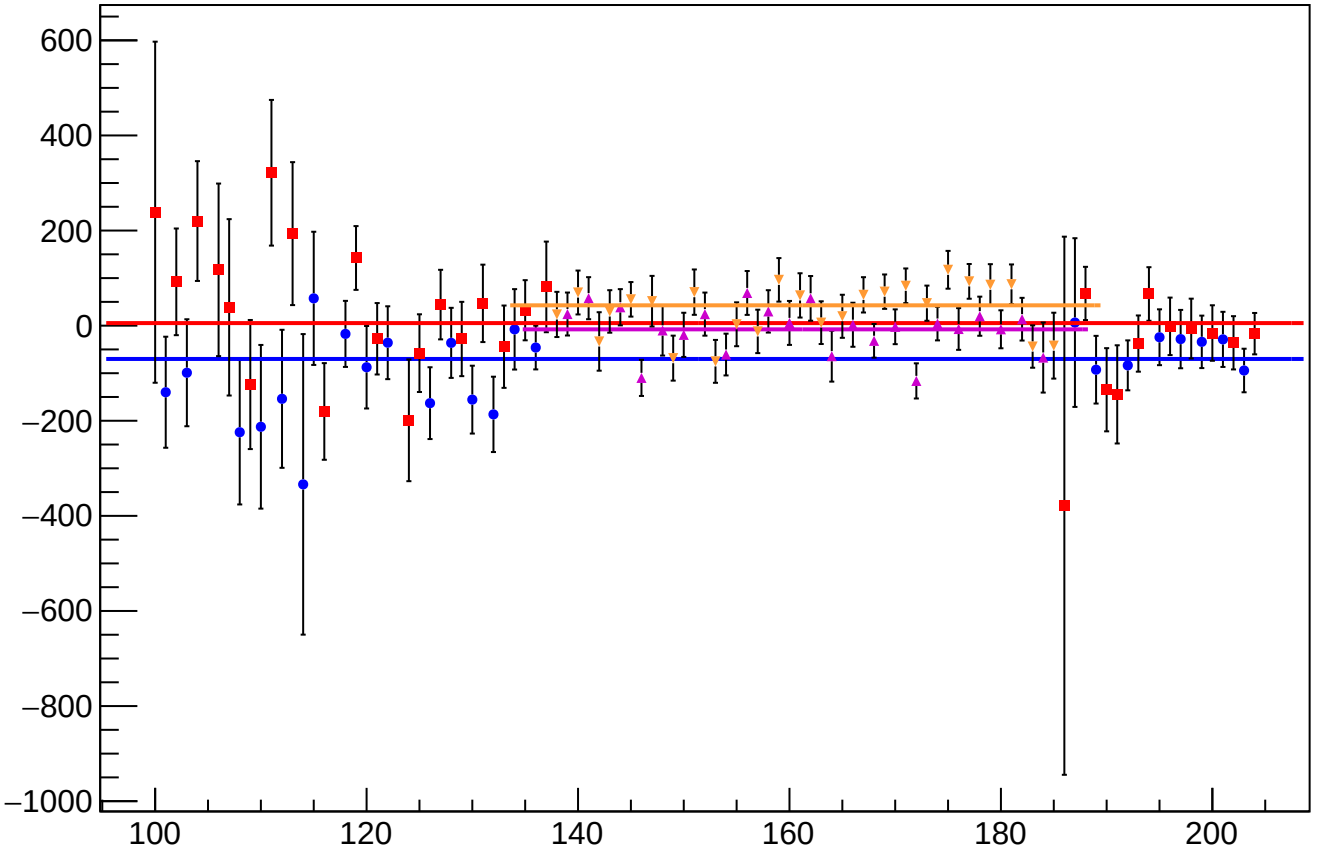
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 141.987+/-0.019 χ^2/NDF: 8077776.5/48

All: 142.763+/-0.013 χ^2/NDF: 17277402.4/10

- sign 143.543+/-0.019 χ^2/NDF: 9196233.5/52

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -70.039+/-15.030 χ^2/NDF: 13.6/23

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 5.397+/-14.332 χ^2/NDF: 32.9/29

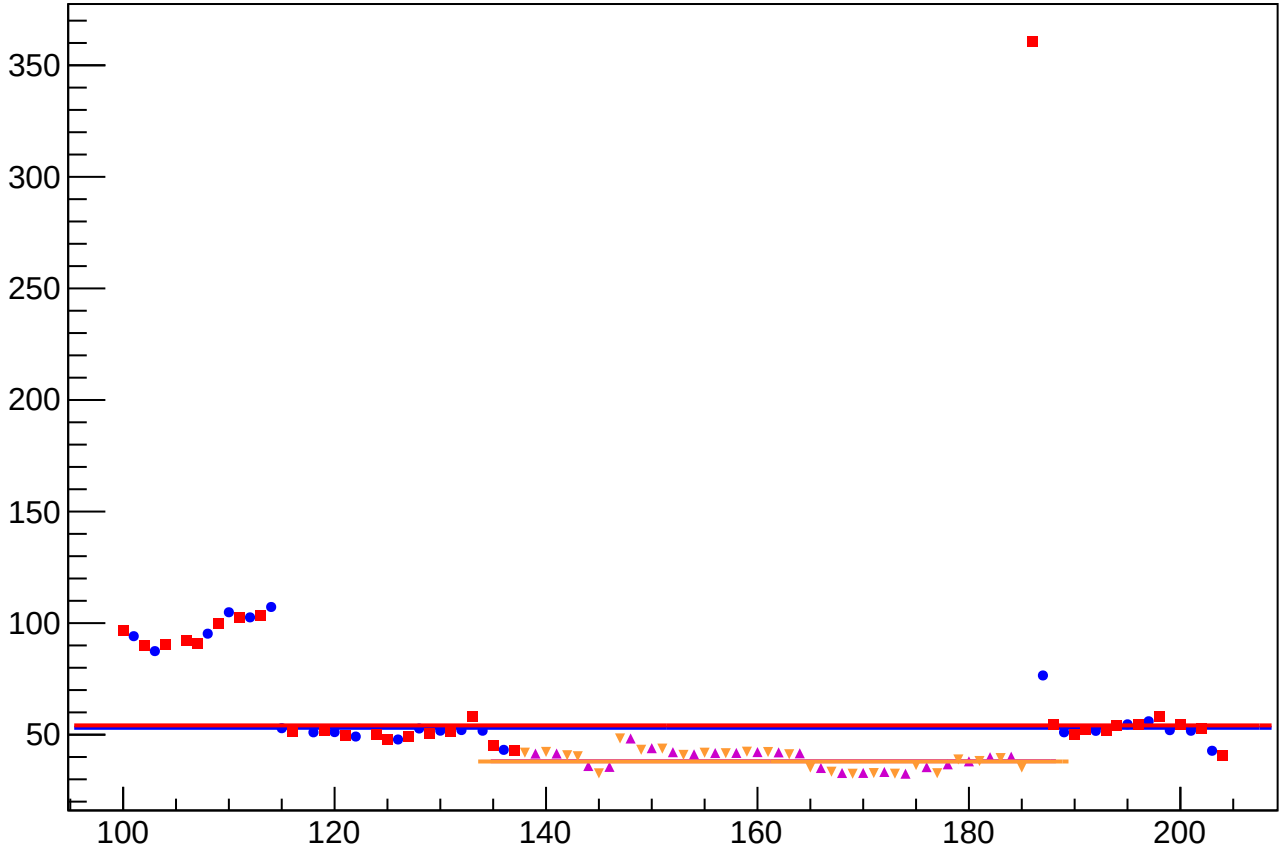
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 14.464+/-7.528 χ^2/NDF: 90.5/48

All: 5.292+/-5.351 χ^2/NDF: 157.6/101

- sign -4.072+/-7.606 χ^2/NDF: 64.1/52

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 53.094+/-0.011 χ^2/NDF: 1318668.6/23

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

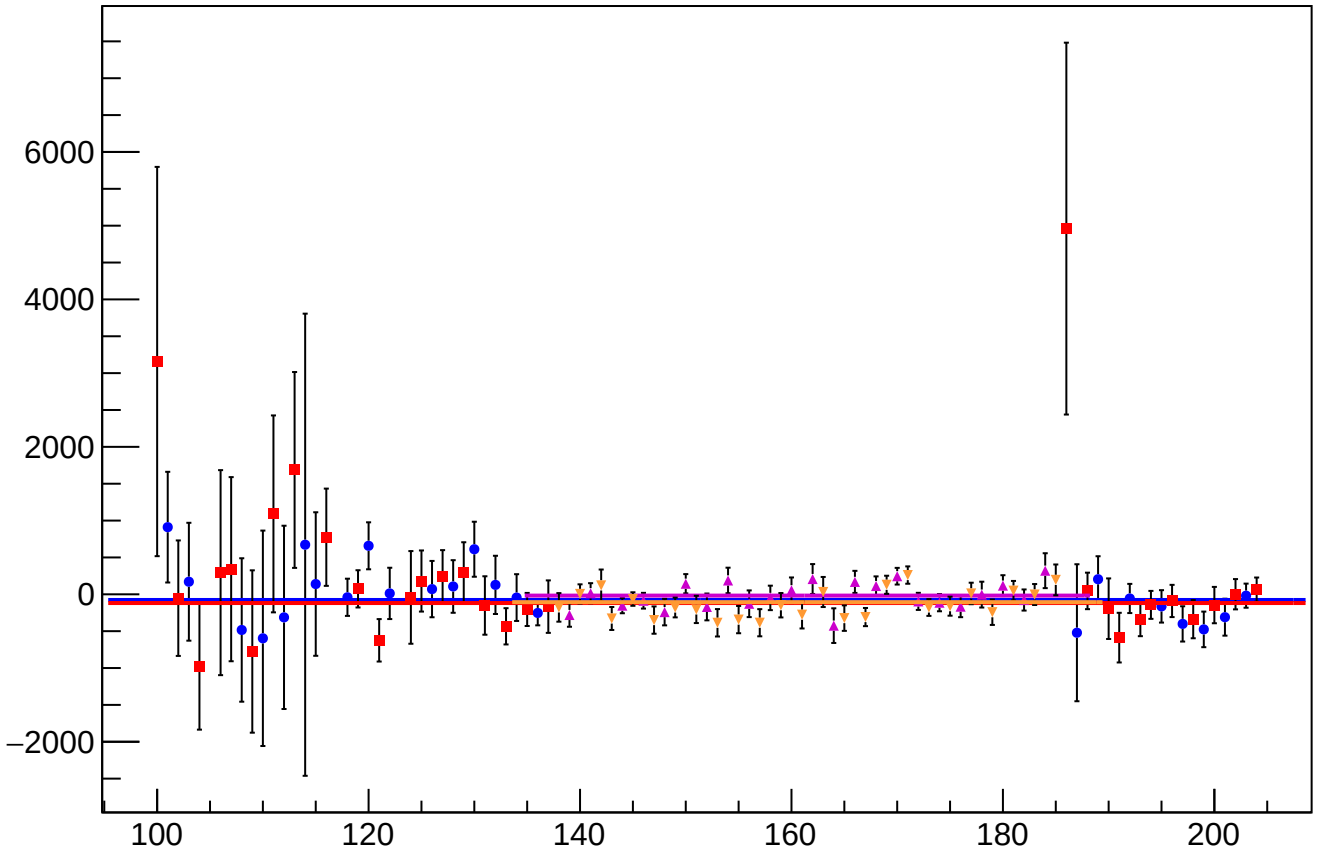
Right Out: 54.166+/-0.010 χ^2/NDF: 2121604.1/29

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

\+ sign 41.779+/-0.005 χ^2/NDF: 3345469.7/48

All: 42.210+/-0.004 χ^2/NDF: 7706535.0/101

\- sign 42.649+/-0.005 χ^2/NDF: 4347877.4/52



Right In: -76.946+/-62.029 χ^2/NDF: 19.6/23

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

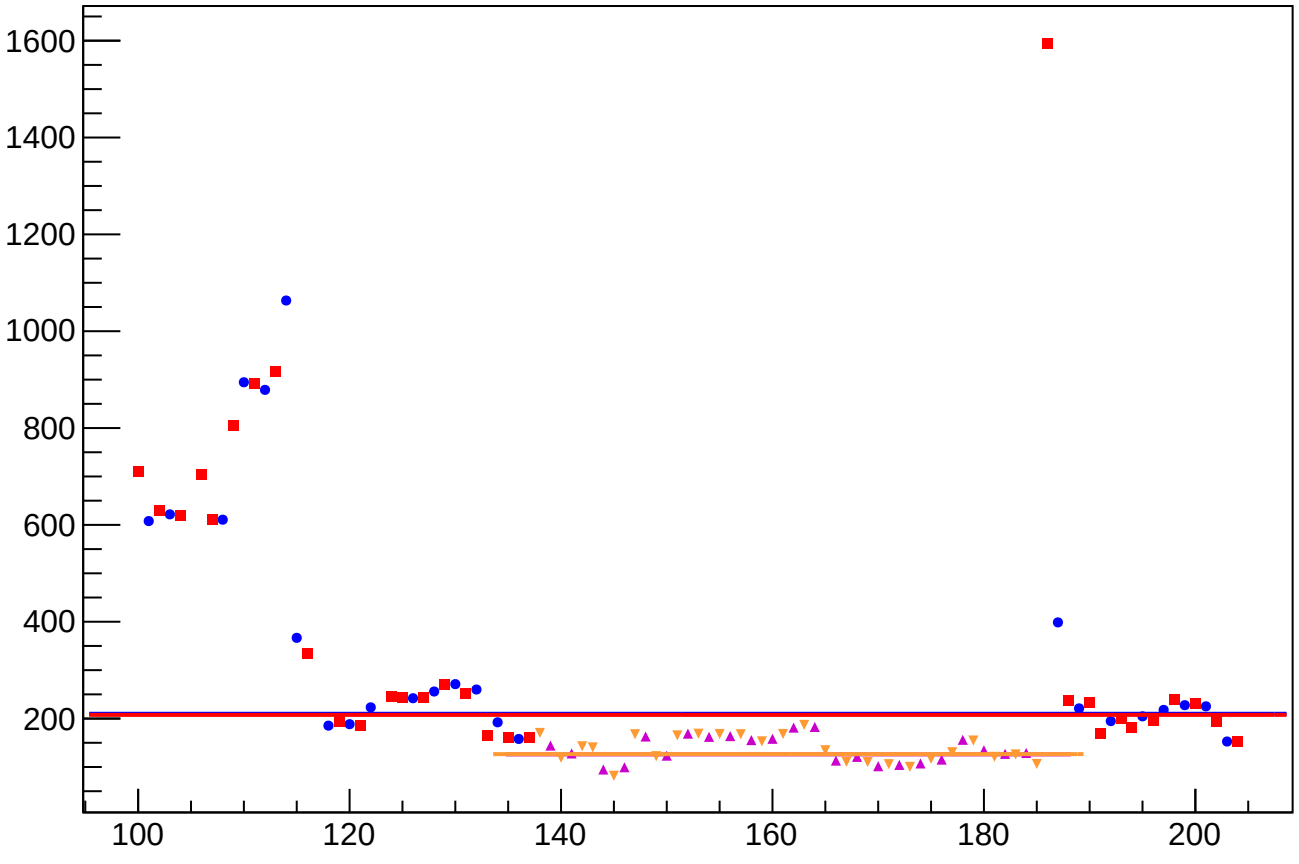
Right Out: -118.421+/-57.724 χ^2/NDF: 25.3/29

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -101.034+/-26.687 χ^2/NDF: 57.5/48

All: -70.180+/-18.892 χ^2/NDF: 116.1/101

- sign -39.185+/-26.749 χ^2/NDF: 56.0/52



Right In: 209.898+/-0.044 χ^2/NDF: 3377790.3/23

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 207.648+/-0.041 χ^2/NDF: 4644412.7/29

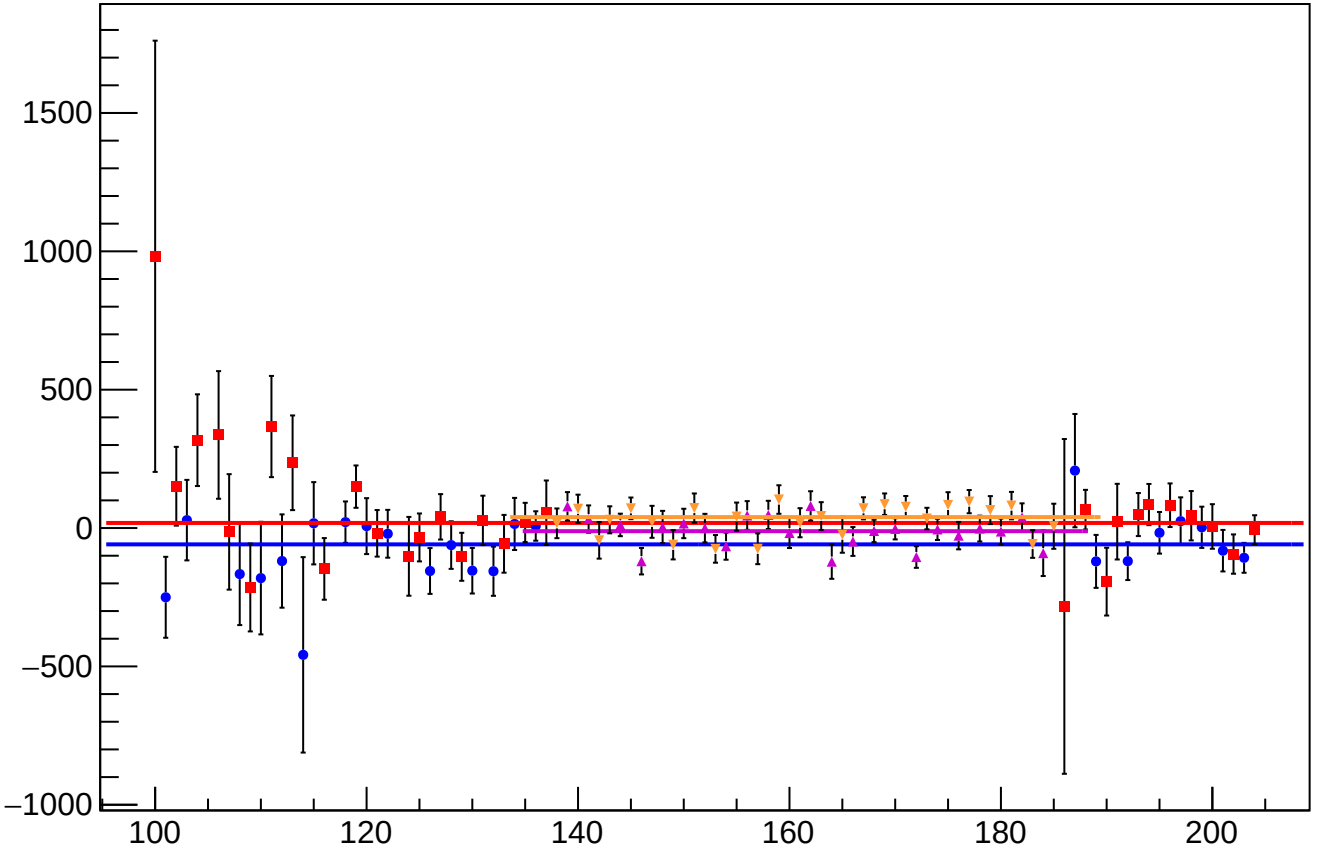
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 141.987+/-0.019 χ^2/NDF: 8077776.5/48

All: 142.763+/-0.013 χ^2/NDF: 17277402.4/10

- sign 143.543+/-0.019 χ^2/NDF: 9196233.5/52

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -58.978+/-18.174 χ^2/NDF: 18.0/23

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 18.441+/-17.548 χ^2/NDF: 32.3/29

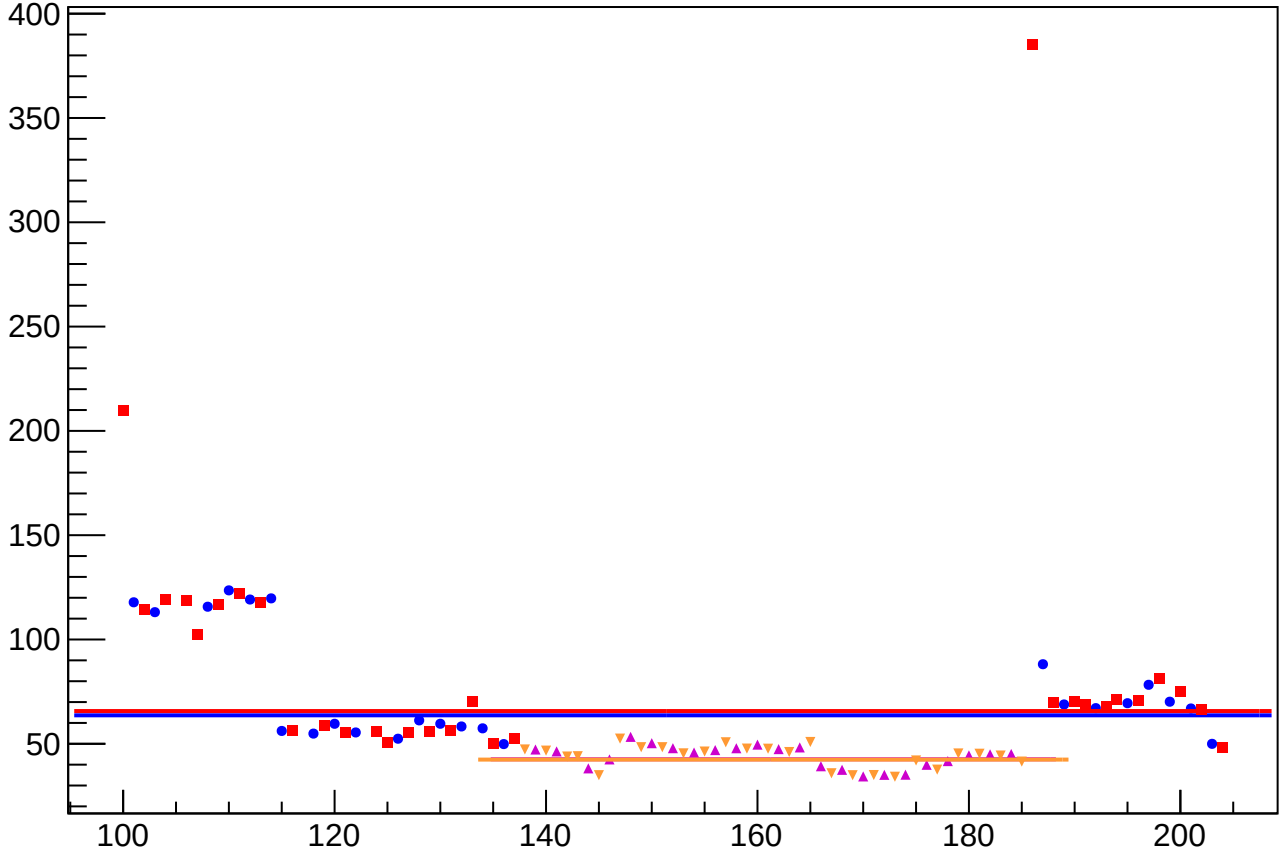
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 17.557+/-8.588 χ^2/NDF: 70.5/48

All: 7.001+/-6.125 χ^2/NDF: 135.9/101

- sign -3.929+/-8.739 χ^2/NDF: 62.3/52

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 63.652+/-0.013 χ^2/NDF: 1609594.6/23

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 65.698+/-0.012 χ^2/NDF: 2492393.4/29

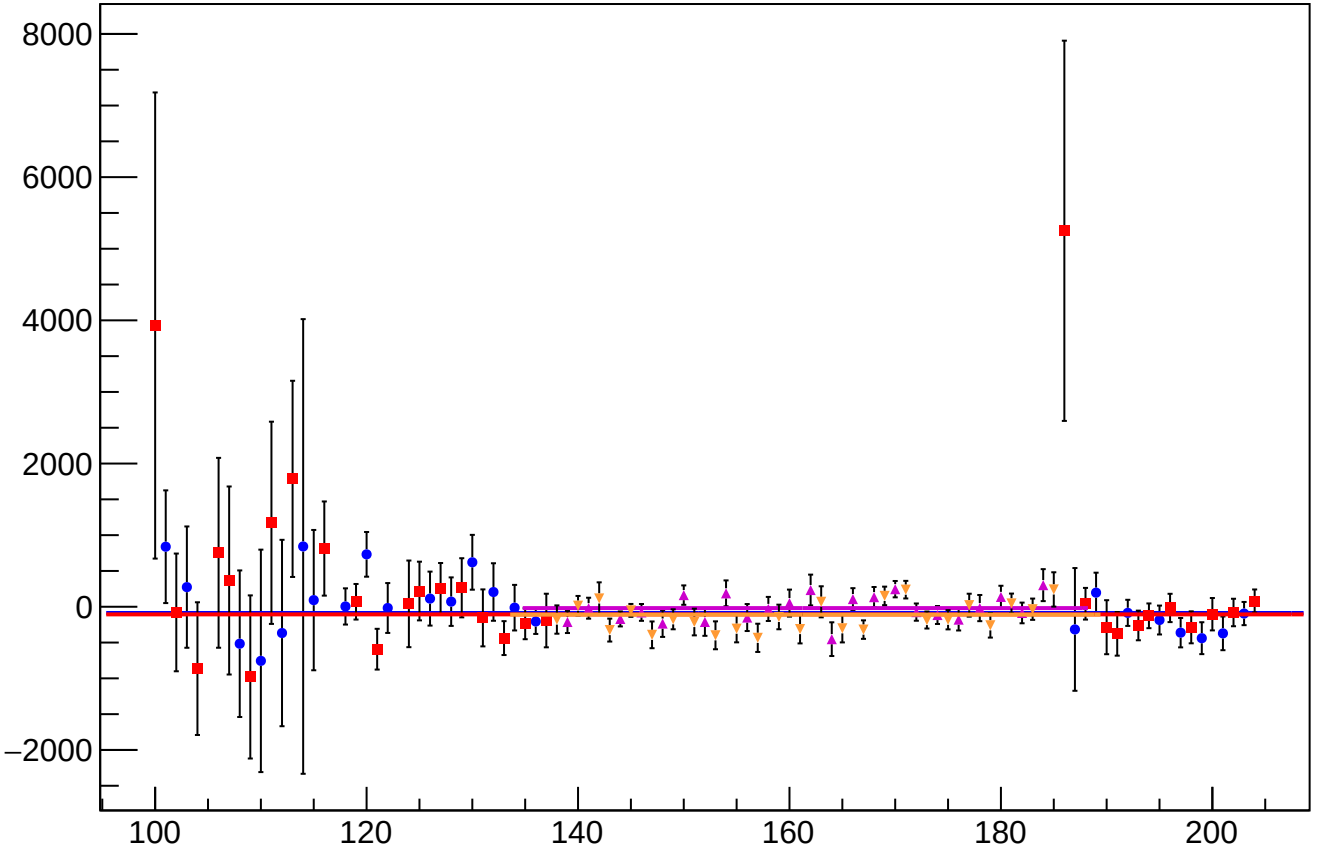
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 47.166+/-0.006 χ^2/NDF: 4427126.9/48

All: 47.729+/-0.004 χ^2/NDF: 10137724.5/101

- sign 48.313+/-0.006 χ^2/NDF: 5693087.1/52

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -87.171+/-59.670 χ^2/NDF: 21.2/23

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -106.519+/-54.413 χ^2/NDF: 24.7/29

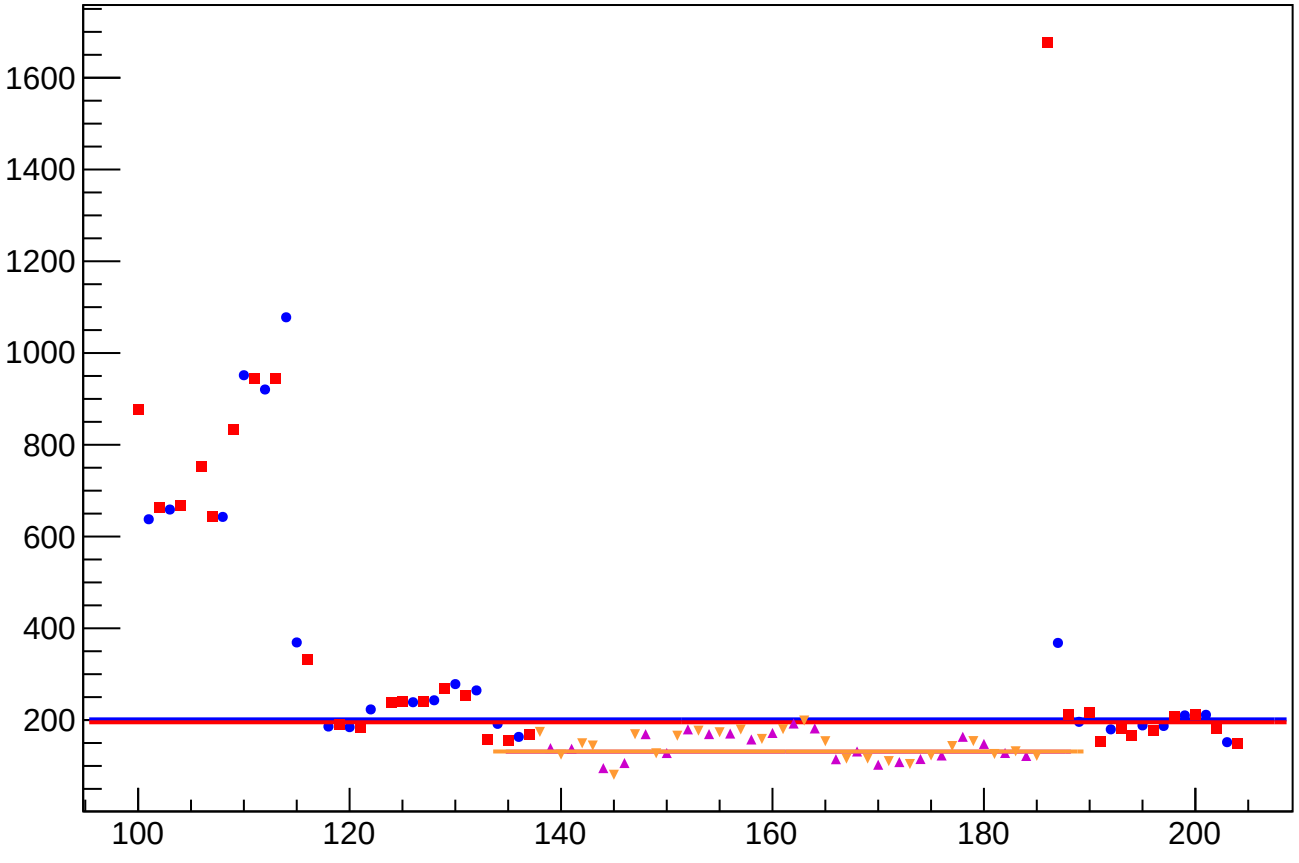
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -105.104+/-27.340 χ^2/NDF: 57.6/48

All: -72.853+/-19.299 χ^2/NDF: 114.2/101

- sign -40.822+/-27.246 χ^2/NDF: 53.9/52

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 201.508+/-0.042 χ^2/NDF: 3474027.3/23

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 195.163+/-0.038 χ^2/NDF: 4961875.1/29

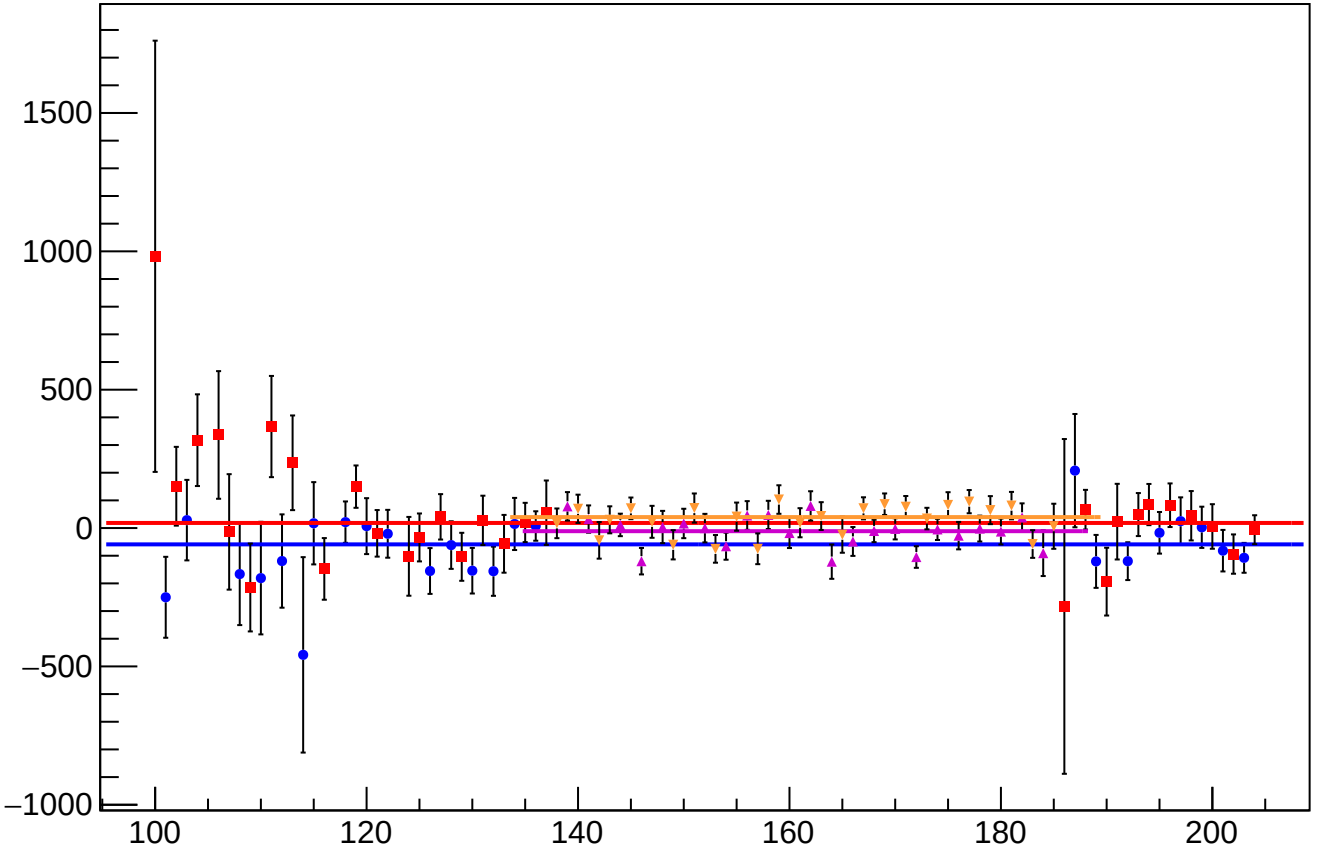
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 146.209+/-0.019 χ^2/NDF: 7551123.4/48

All: 146.678+/-0.014 χ^2/NDF: 16060851.6/10

- sign 147.143+/-0.019 χ^2/NDF: 8508557.5/52

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -58.979+/-18.174 χ^2/NDF: 18.0/23

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 18.441+/-17.548 χ^2/NDF: 32.3/29

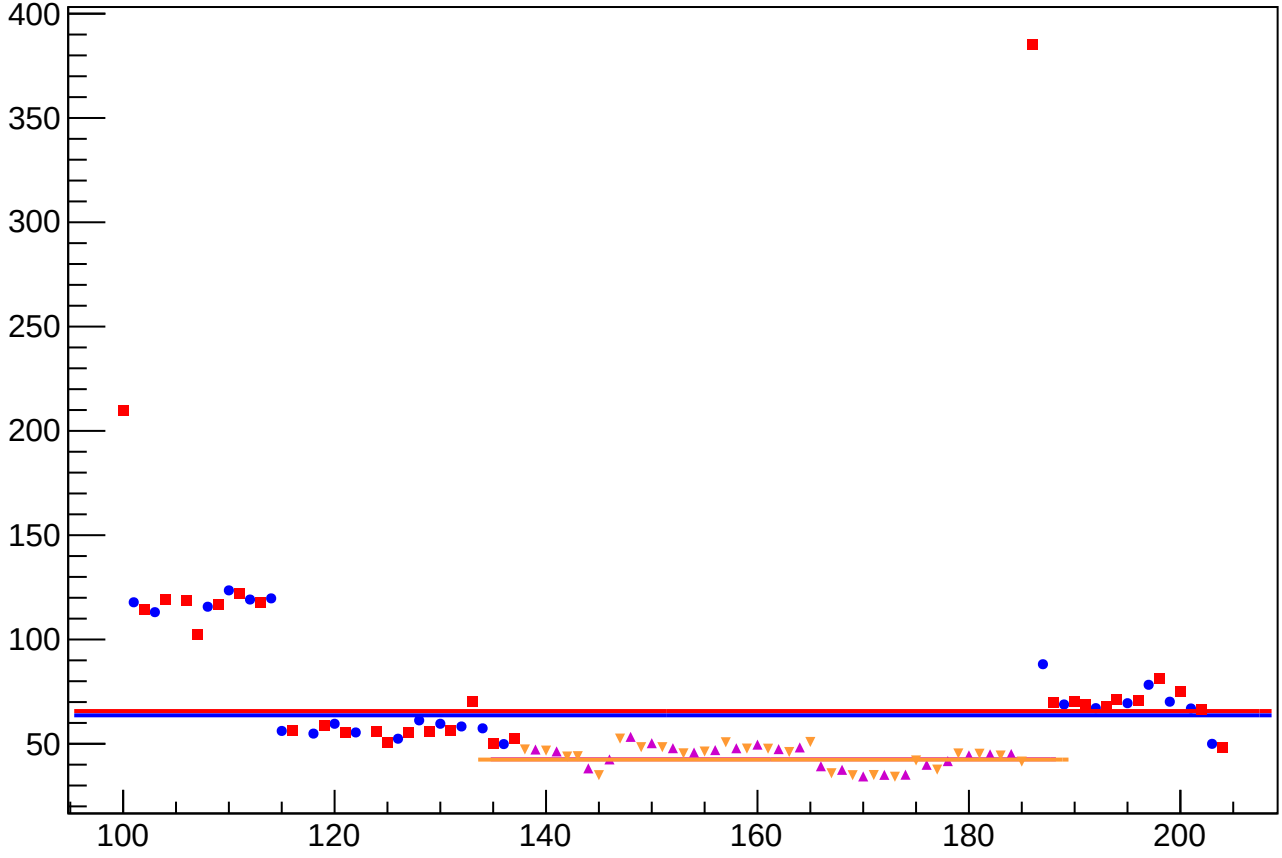
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 17.558+/-8.588 χ^2/NDF: 70.5/48

All: 7.001+/-6.125 χ^2/NDF: 135.9/101

- sign -3.929+/-8.739 χ^2/NDF: 62.3/52

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 63.652+/-0.013 χ^2/NDF: 1609590.4/23

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

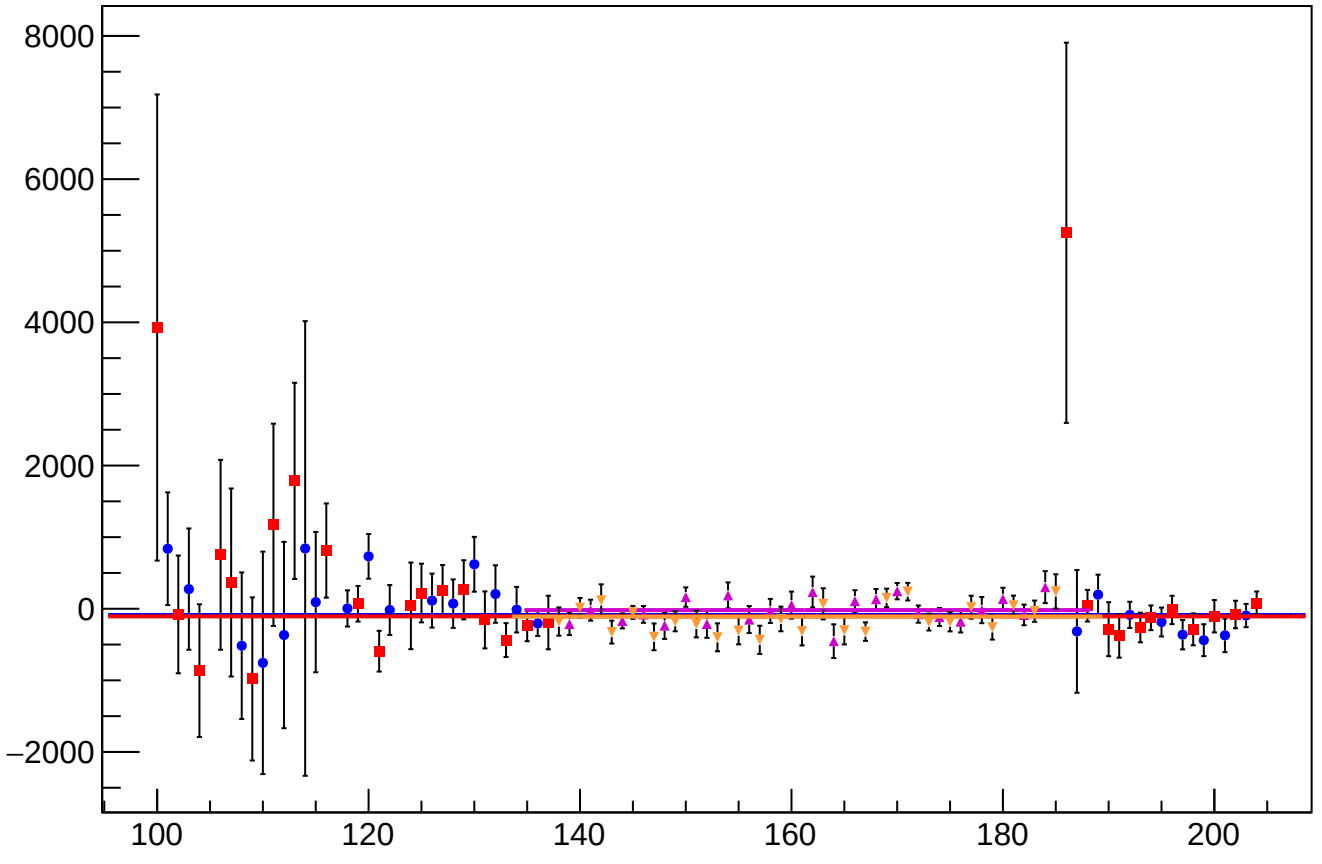
Right Out: 65.699+/-0.012 χ^2/NDF: 2492375.6/29

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 47.166+/-0.006 χ^2/NDF: 4427139.0/48

All: 47.730+/-0.004 χ^2/NDF: 10137745.9/101

- sign 48.313+/-0.006 χ^2/NDF: 5693093.2/52



Right In: -87.171+/-59.670 χ^2/NDF: 21.2/23

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

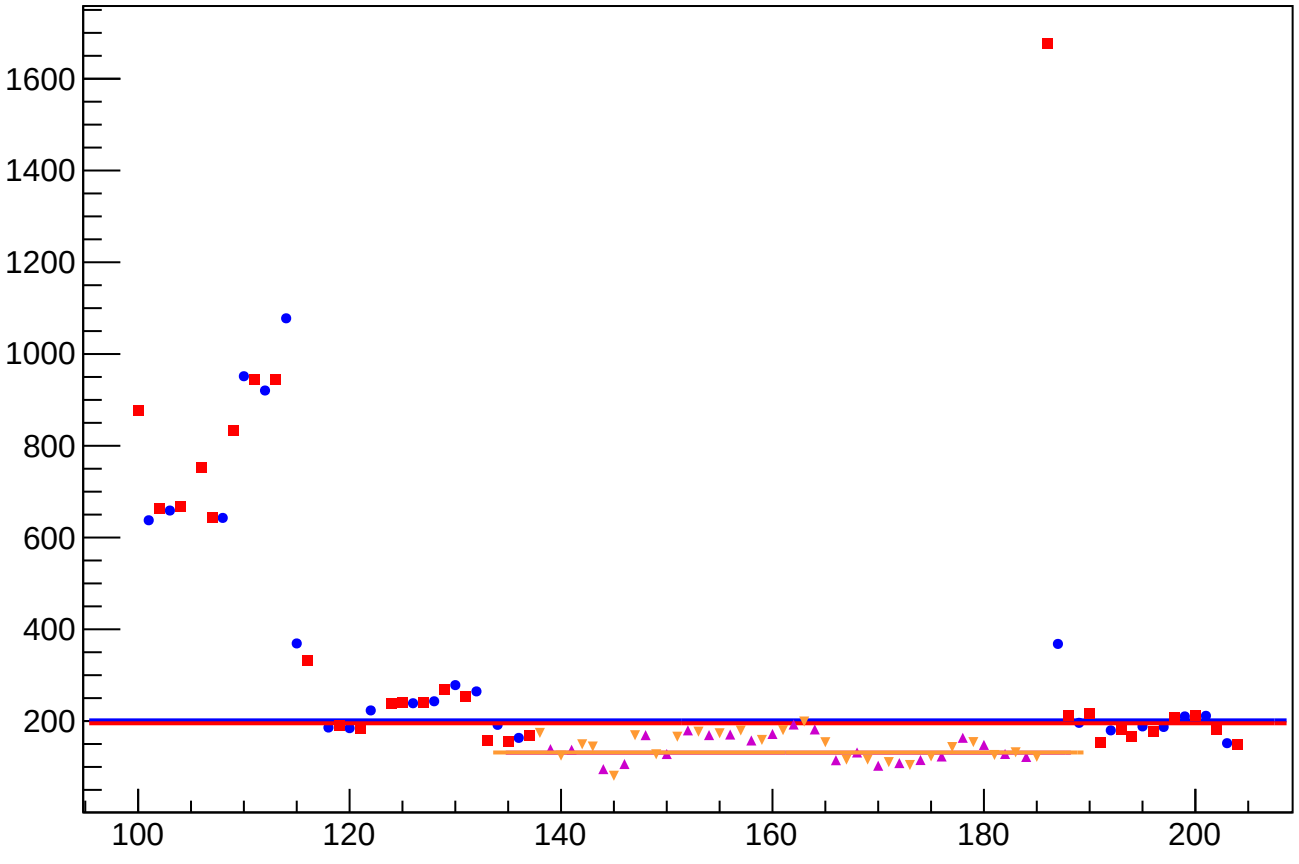
Right Out: -106.518+/-54.413 χ^2/NDF: 24.7/29

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -105.104+/-27.340 χ^2/NDF: 57.6/48

All: -72.853+/-19.299 χ^2/NDF: 114.2/101

- sign -40.822+/-27.246 χ^2/NDF: 53.9/52



Right In: 201.507+/-0.042 χ^2/NDF: 3474019.7/23

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 195.162+/-0.038 χ^2/NDF: 4961875.3/29

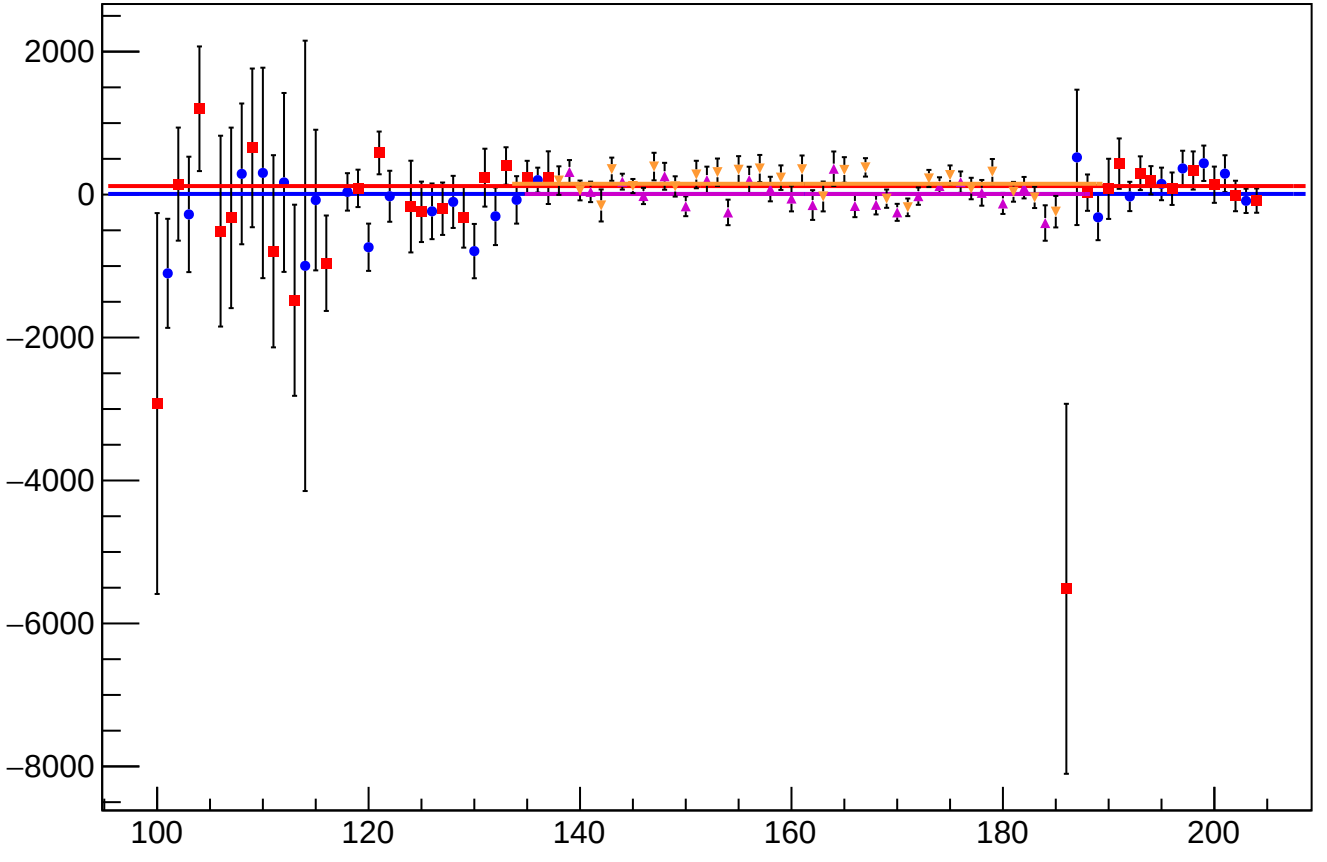
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 146.209+/-0.019 χ^2/NDF: 7551067.2/48

All: 146.678+/-0.014 χ^2/NDF: 16060757.2/10

- sign 147.143+/-0.019 χ^2/NDF: 8508519.4/52

asym_sam_37_26_dd_mean vs Slug



Right In: 9.047+/-64.072 χ^2/NDF: 22.8/23

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 119.034+/-59.754 χ^2/NDF: 23.7/29

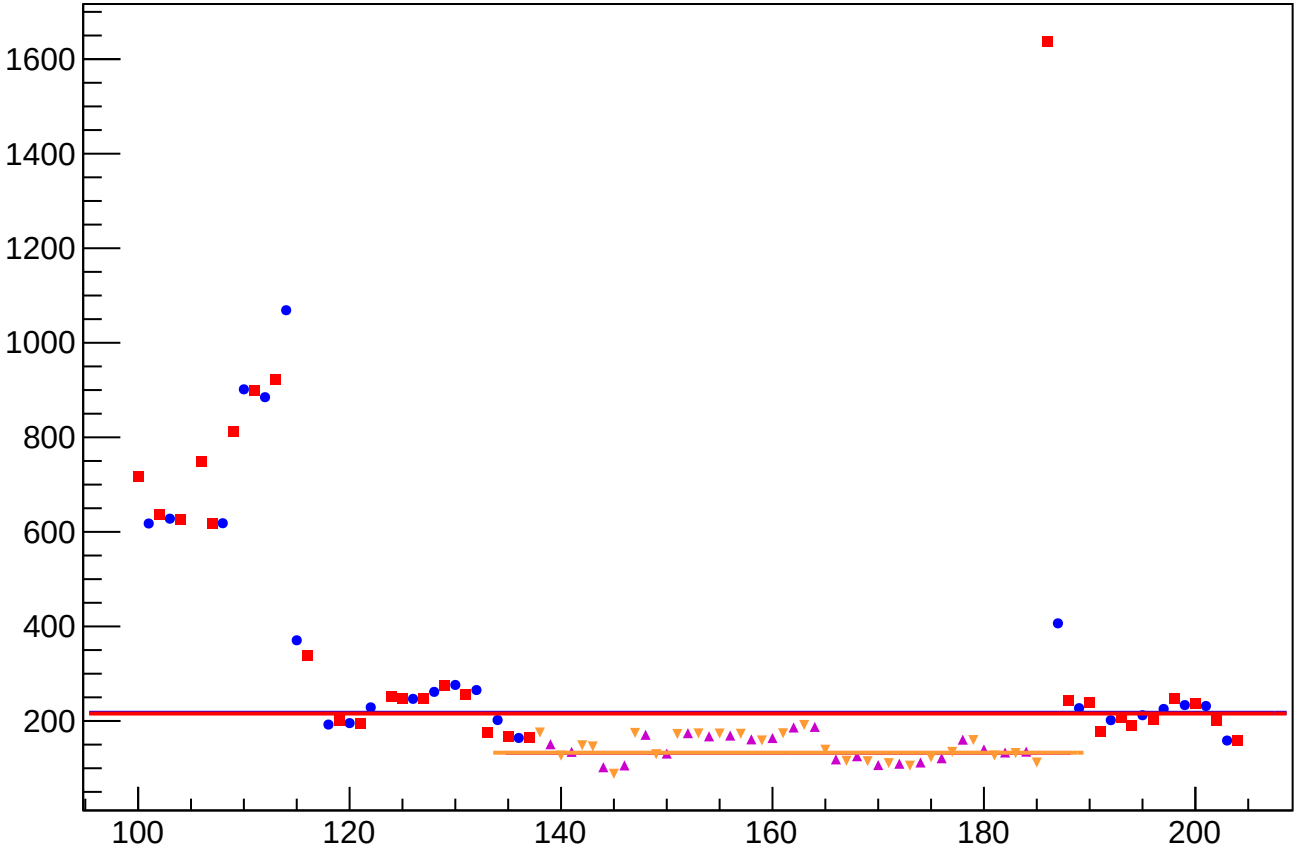
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 124.229+/-27.870 χ^2/NDF: 59.8/48

All: 78.367+/-19.735 χ^2/NDF: 121.1/101

- sign 32.245+/-27.949 χ^2/NDF: 55.8/52

asym_sam_37_26_dd_rms vs Slug



Right In: 217.321+/-0.045 χ^2/NDF: 3282621.8/23

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

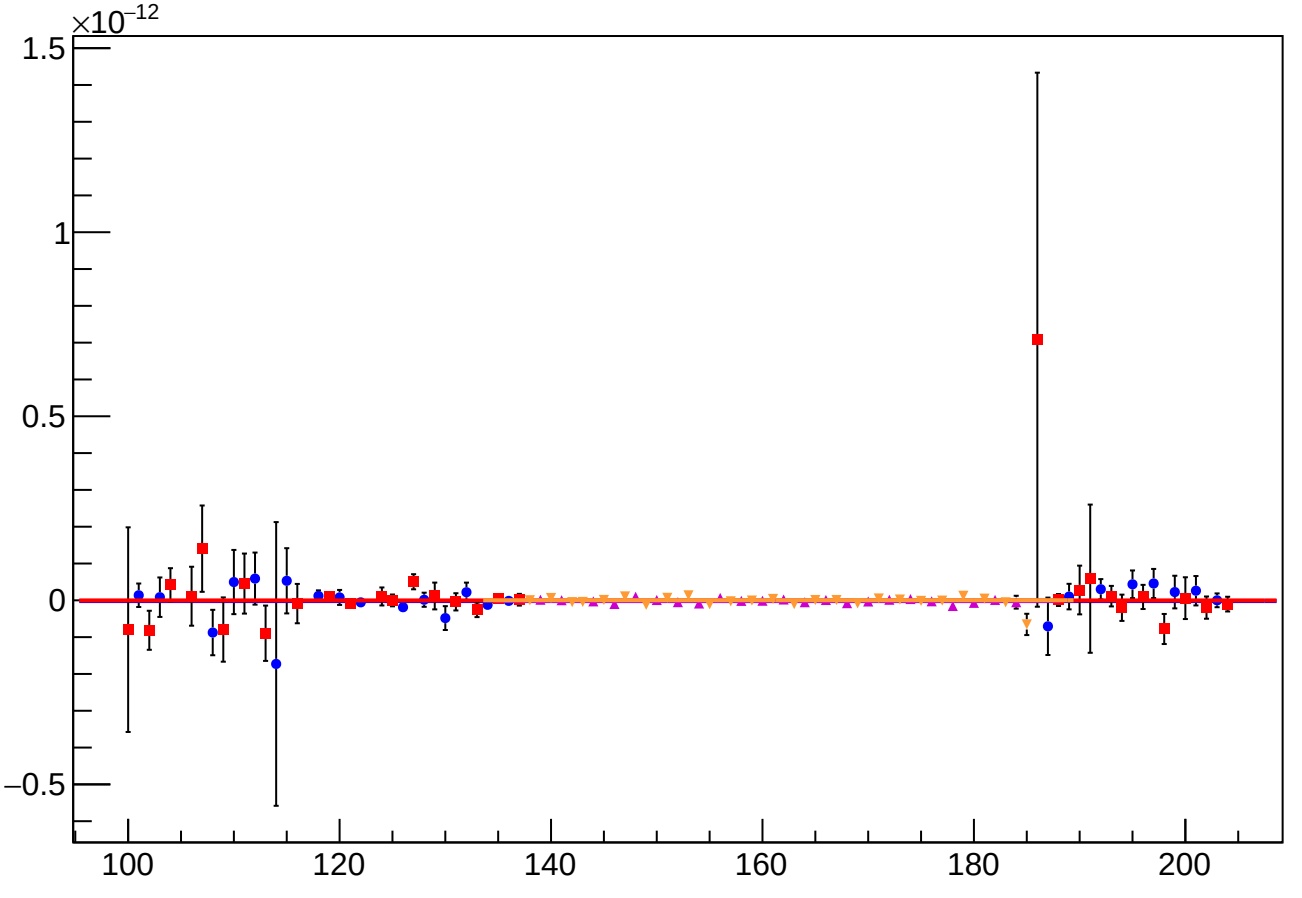
Right Out: 215.752+/-0.042 χ^2/NDF: 4589967.4/29

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 148.854+/-0.020 χ^2/NDF: 7691736.1/48

All: 149.719+/-0.014 χ^2/NDF: 16607824.7/10

- sign 150.590+/-0.020 χ^2/NDF: 8912218.3/52



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

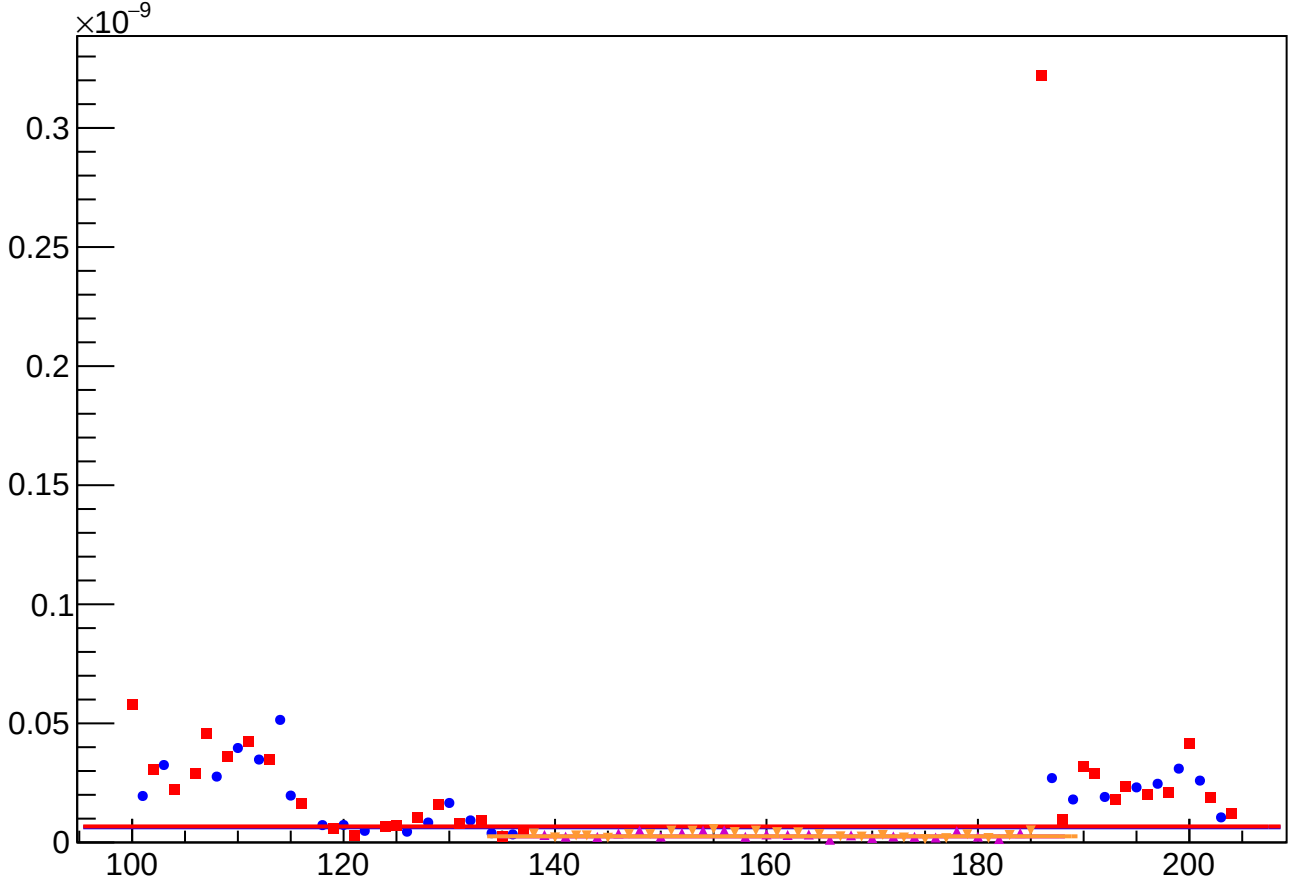
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/29

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.3/48

All: -0.000+/-0.000 χ^2/NDF: 90.4/101

- sign -0.000+/-0.000 χ^2/NDF: 39.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 5652026.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6921765.2/29

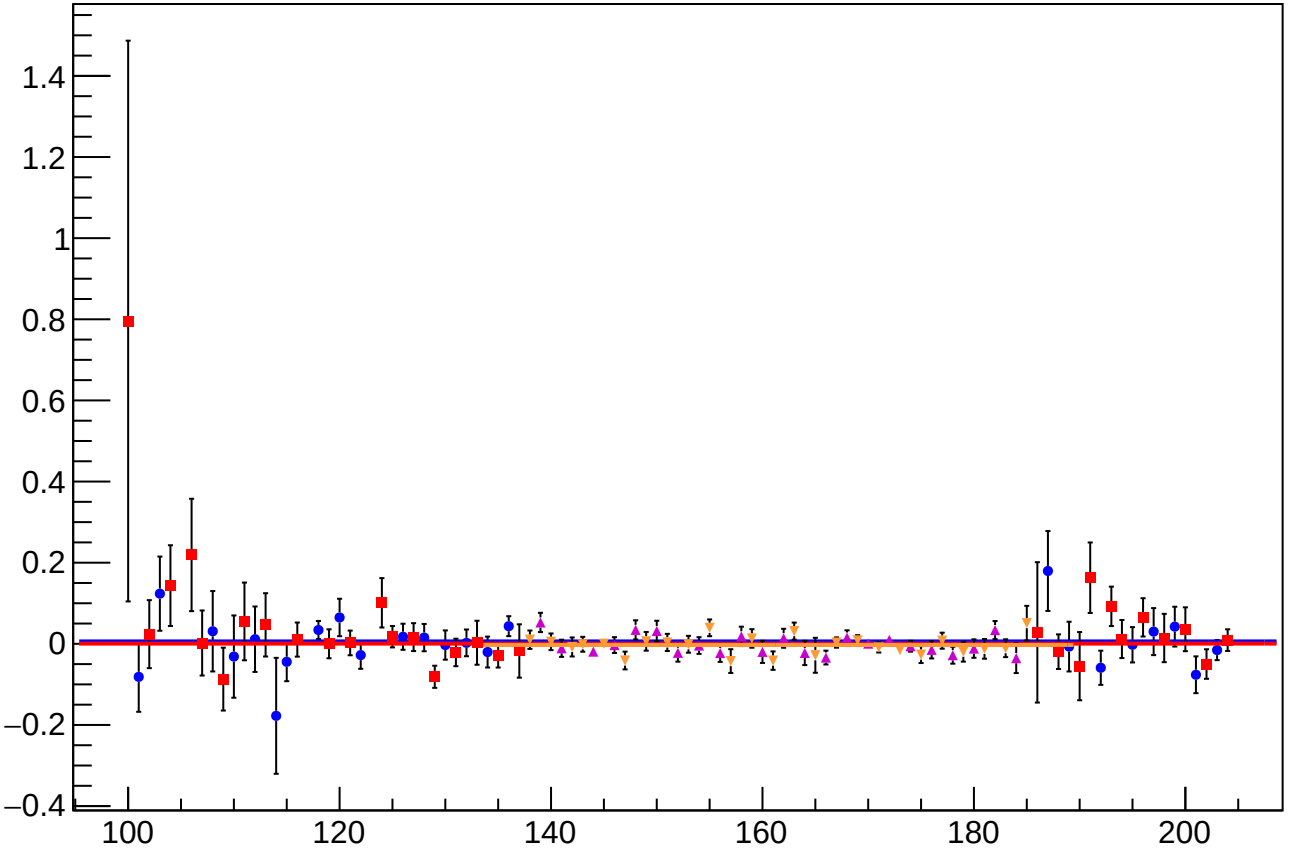
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9996442.4/48

All: 0.000+/-0.000 χ^2/NDF: 20903124.7/101

- sign 0.000+/-0.000 χ^2/NDF: 10906067.6/52

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 23.3/23

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.001+/-0.008 χ^2/NDF: 34.1/29

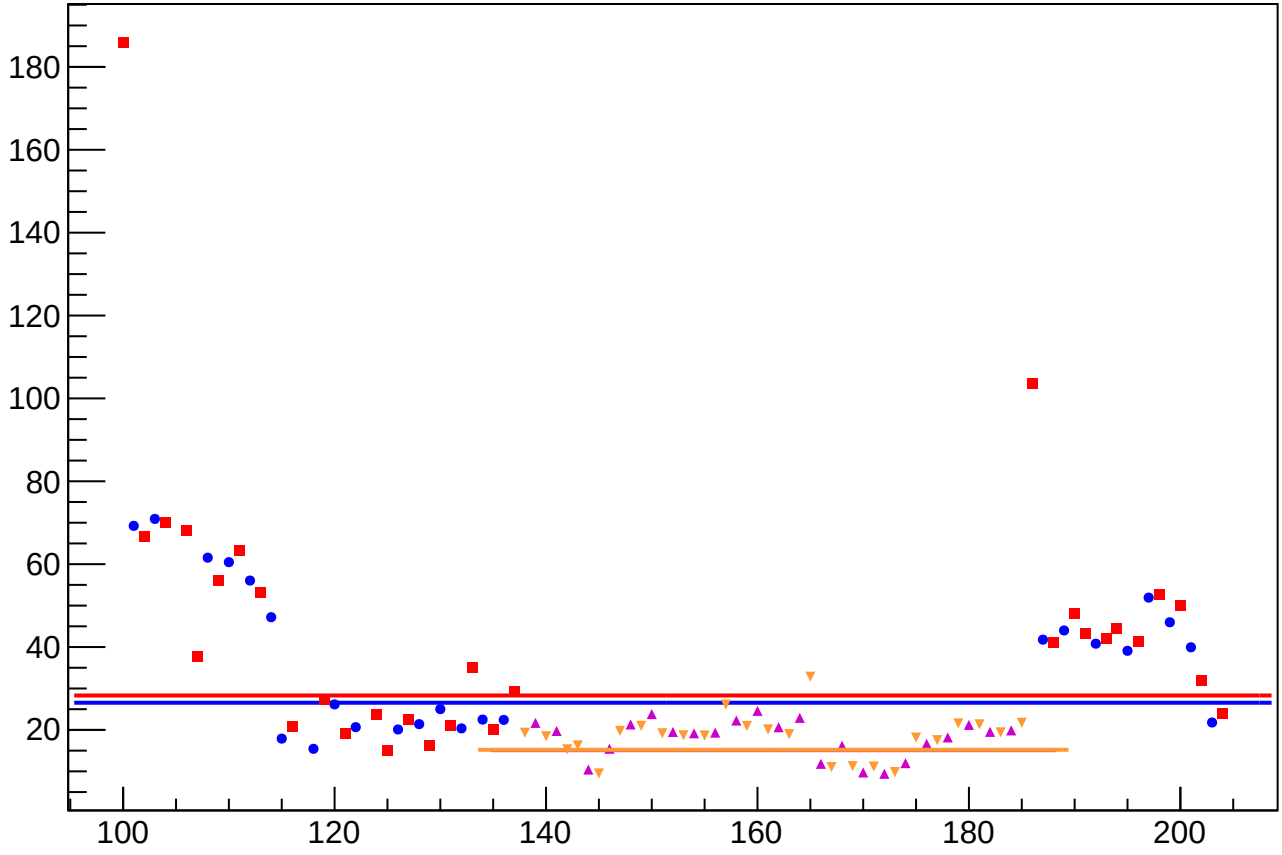
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 46.8/48

All: -0.002+/-0.002 χ^2/NDF: 107.9/101

- sign -0.002+/-0.003 χ^2/NDF: 61.1/52

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.560+/-0.006 χ^2/NDF: 4196065.2/23

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

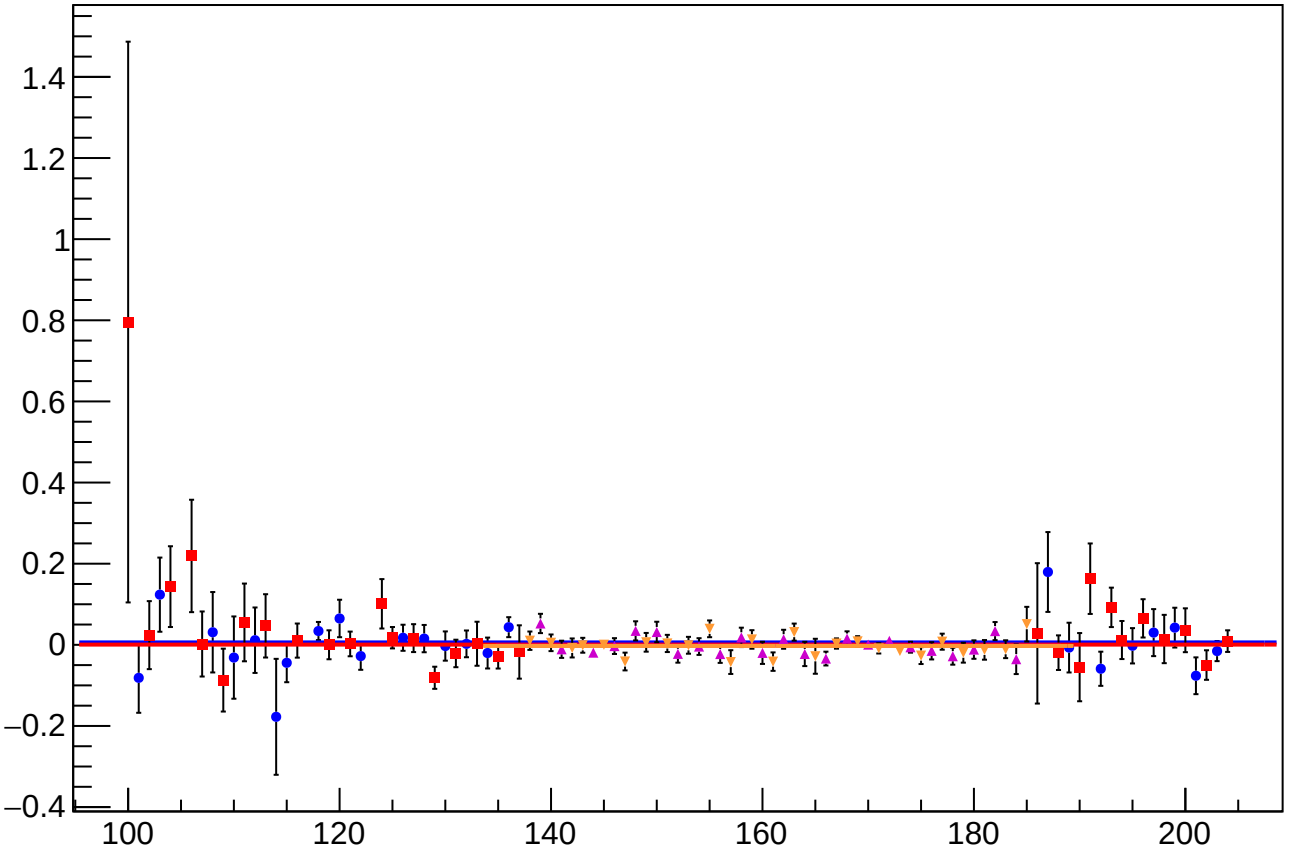
Right Out: 28.311+/-0.006 χ^2/NDF: 5303395.6/29

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.098+/-0.002 χ^2/NDF: 10776791.9/48

All: 17.280+/-0.002 χ^2/NDF: 23738805.1/101

- sign 17.470+/-0.002 χ^2/NDF: 12950229.6/52



Right In: 0.006+/-0.008 χ^2/NDF: 23.3/23

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

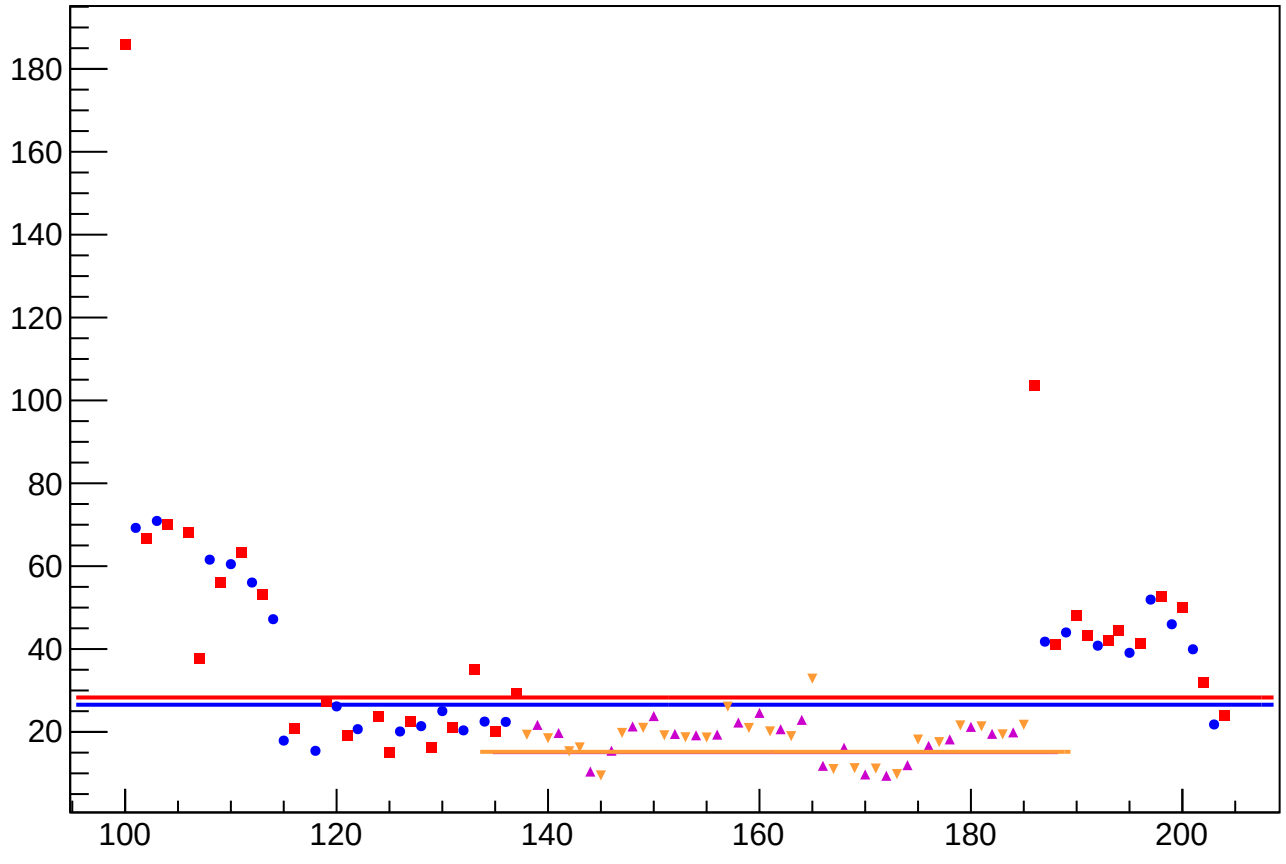
Right Out: 0.001+/-0.008 χ^2/NDF: 34.1/29

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 46.8/48

All: -0.002+/-0.002 χ^2/NDF: 107.9/101

- sign -0.002+/-0.003 χ^2/NDF: 61.1/52



Right In: 26.560+/-0.006 χ^2/NDF: 4196065.2/23

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

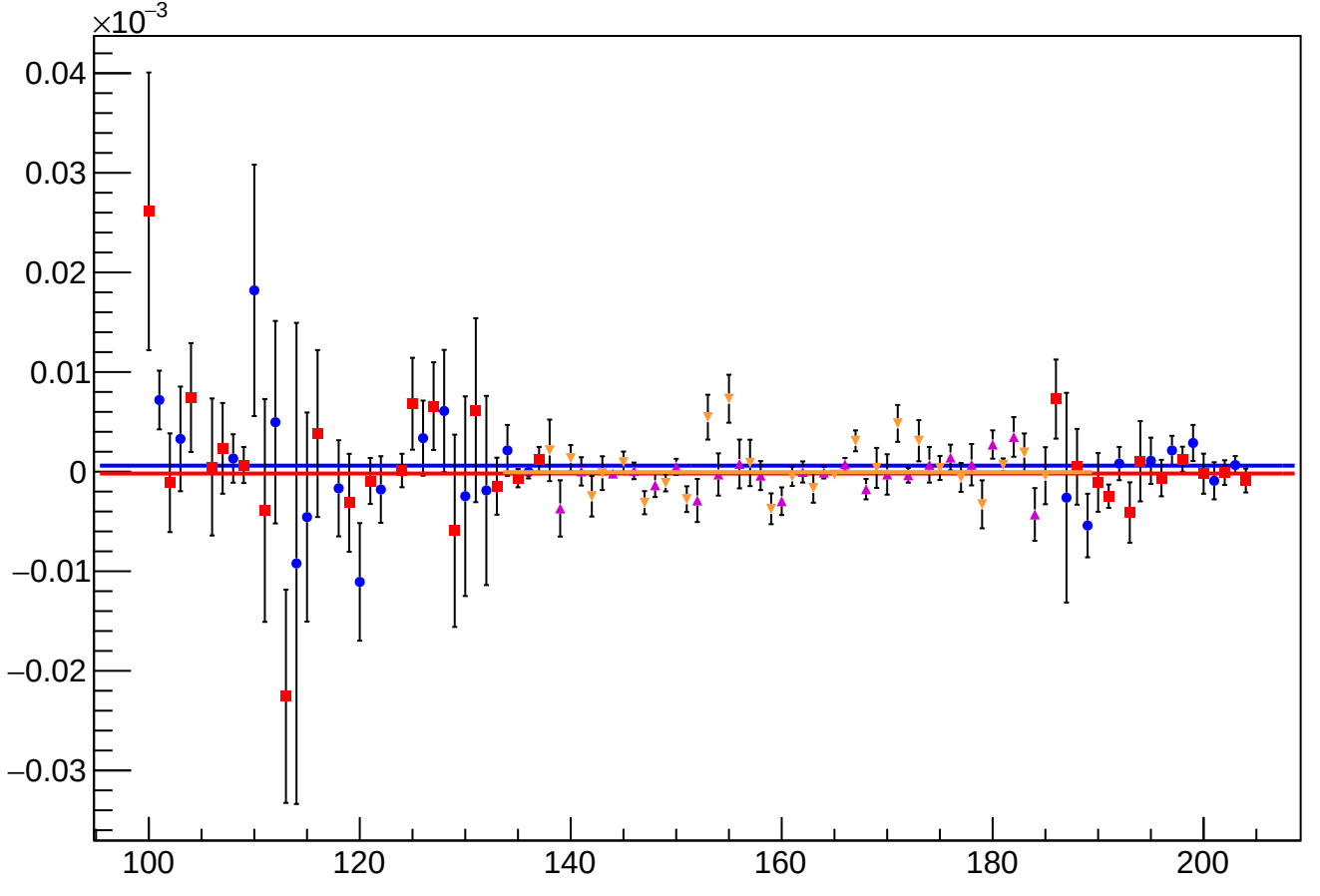
Right Out: 28.311+/-0.006 χ^2/NDF: 5303395.6/29

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.098+/-0.002 χ^2/NDF: 10776791.9/48

All: 17.280+/-0.002 χ^2/NDF: 23738805.1/101

- sign 17.470+/-0.002 χ^2/NDF: 12950229.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

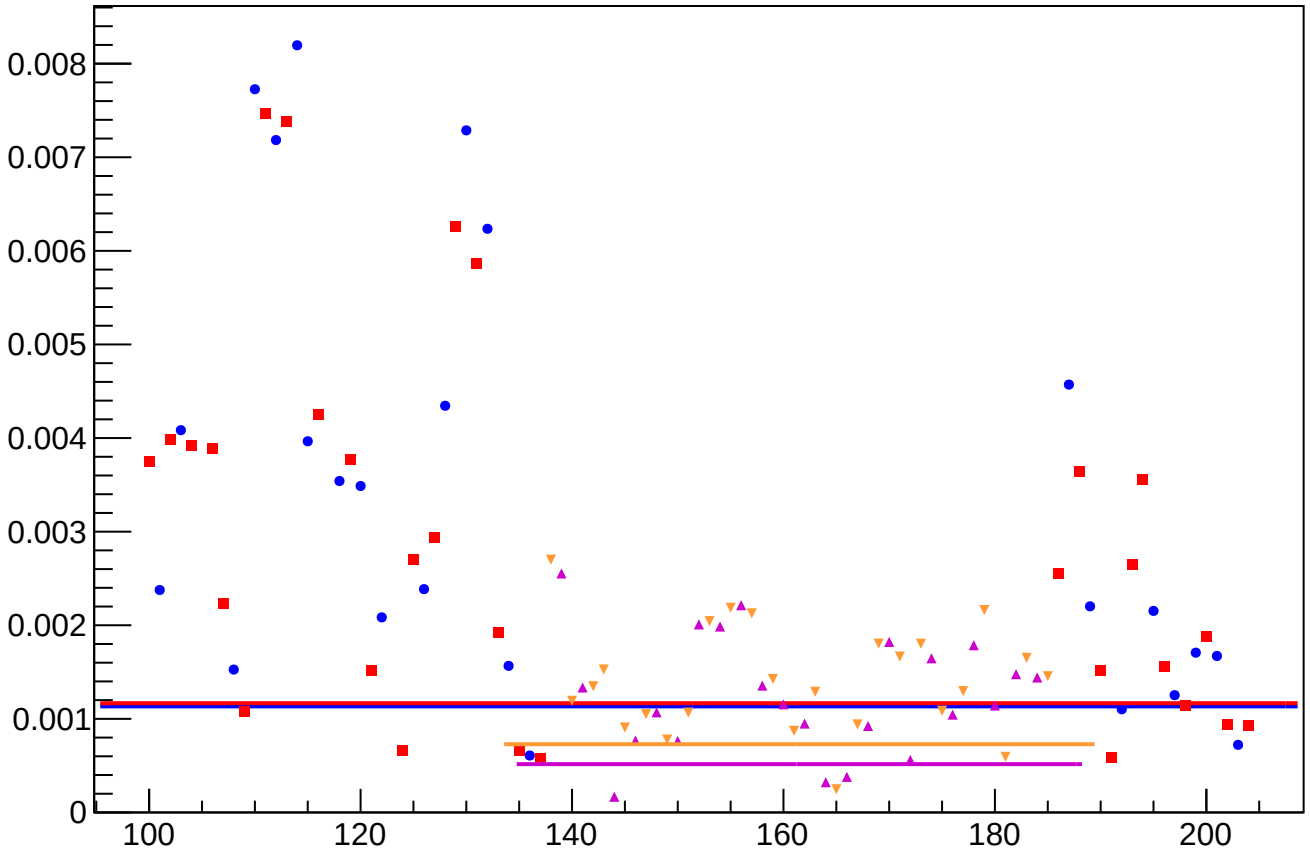
Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/29

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.3/48

All: -0.000+/-0.000 χ^2/NDF: 142.9/101

- sign -0.000+/-0.000 χ^2/NDF: 54.8/52



Right In: 0.001+/-0.000 χ^2/NDF: 8692990.3/23

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

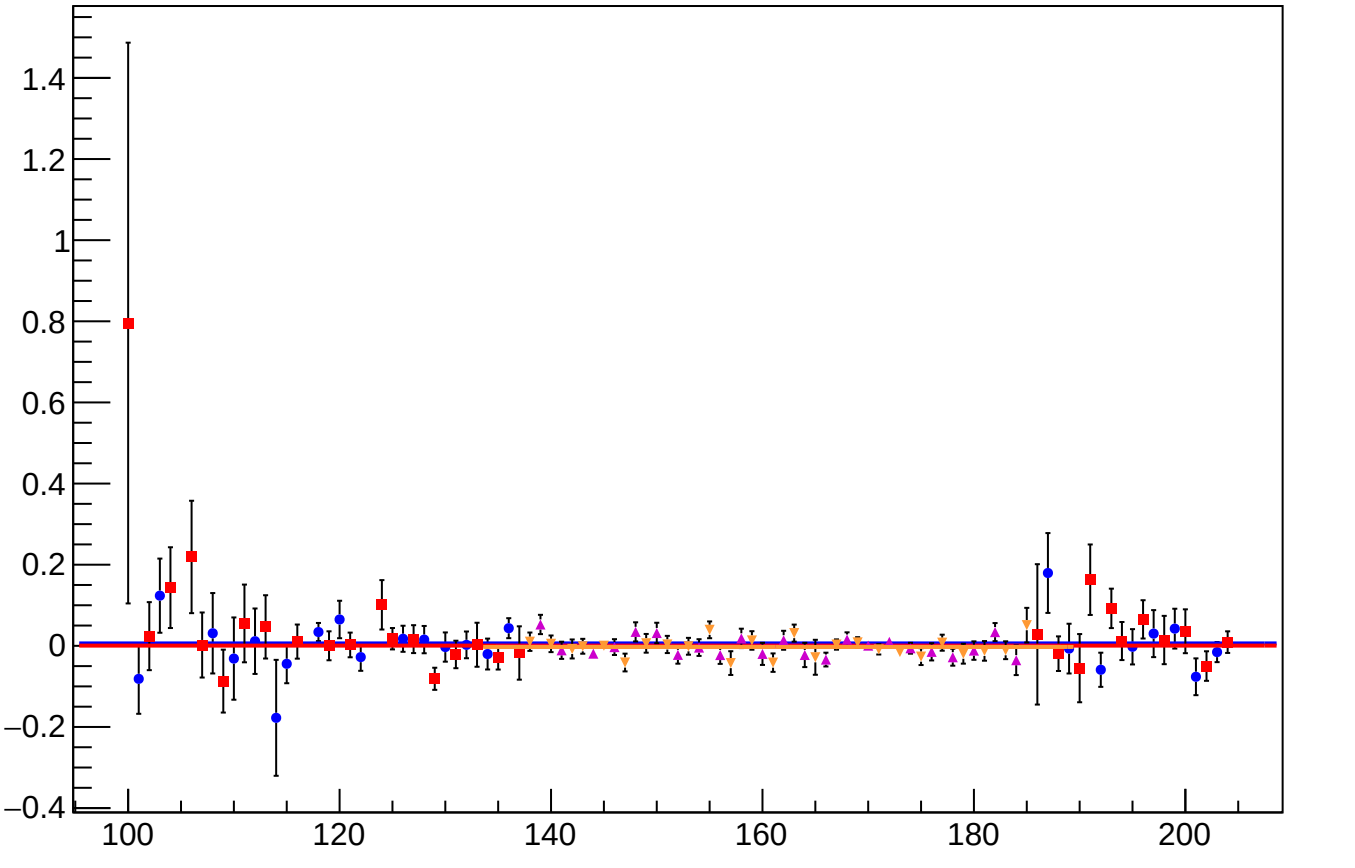
Right Out: 0.001+/-0.000 χ^2/NDF: 10092691.2/29

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 23395661.1/48

All: 0.001+/-0.000 χ^2/NDF: 54426267.9/101

- sign 0.001+/-0.000 χ^2/NDF: 29873422.4/52



Right In: 0.006+/-0.008 χ^2/NDF: 23.3/23

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

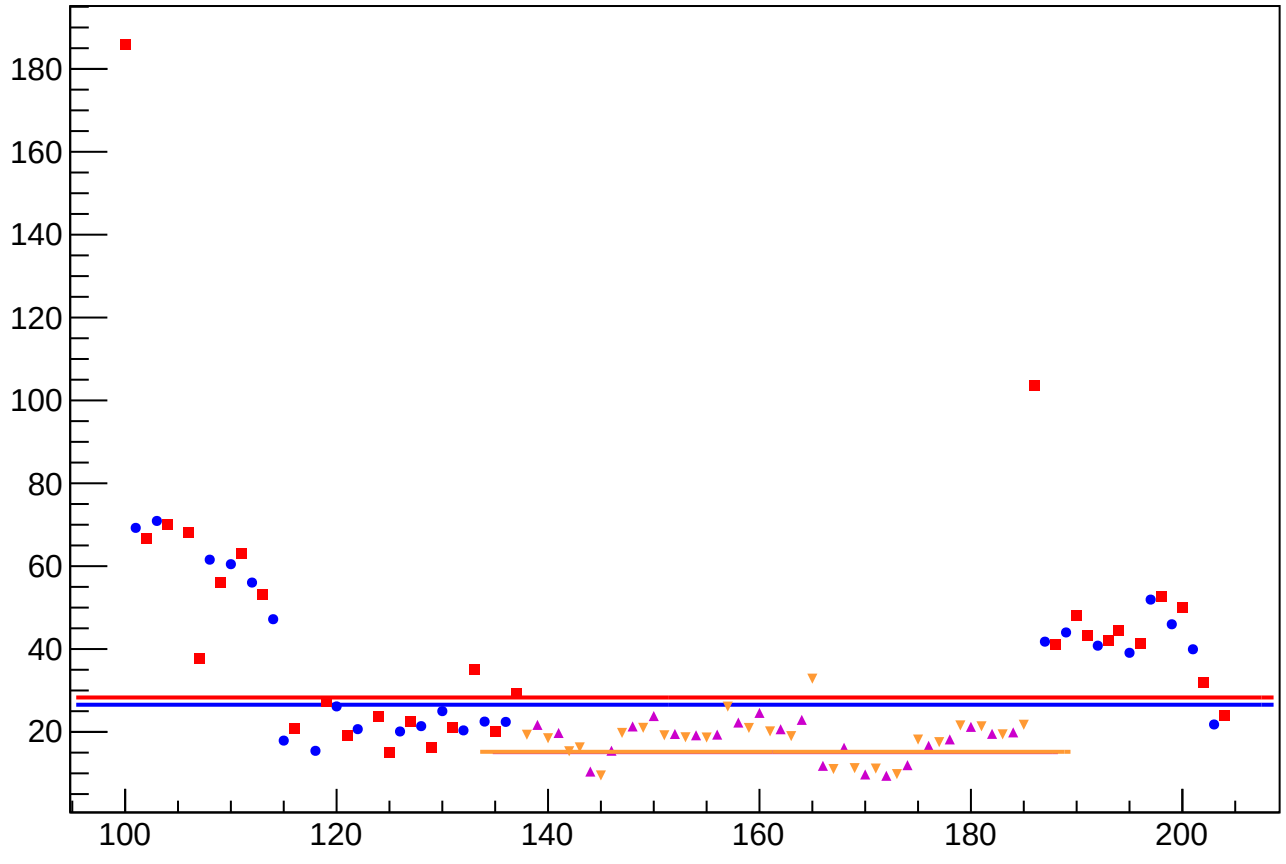
Right Out: 0.001+/-0.008 χ^2/NDF: 34.1/29

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 46.8/48

All: -0.002+/-0.002 χ^2/NDF: 107.9/101

- sign -0.002+/-0.003 χ^2/NDF: 61.1/52



Right In: 26.559+/-0.006 χ^2/NDF: 4196375.7/23

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

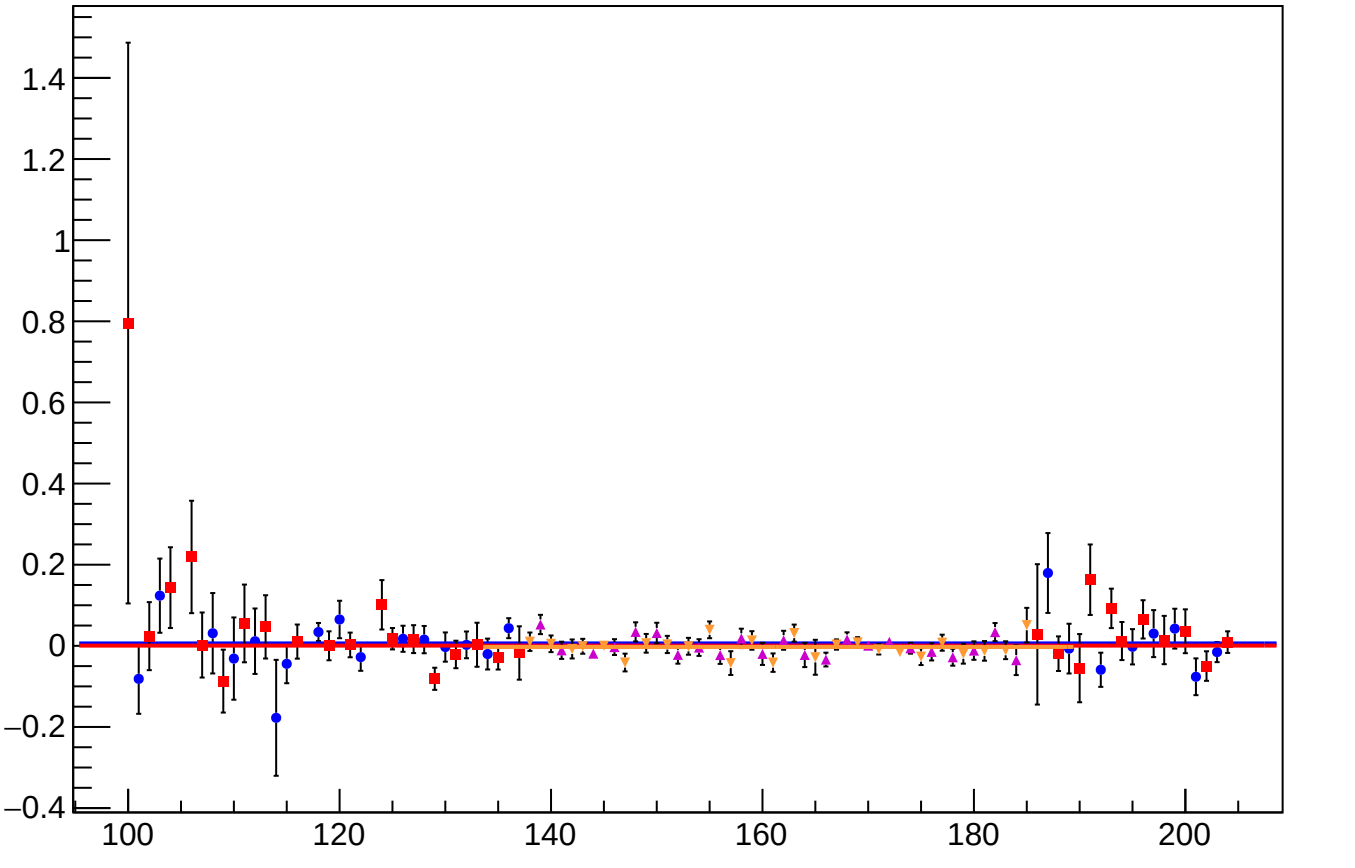
Right Out: 28.311+/-0.006 χ^2/NDF: 5303581.6/29

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.098+/-0.002 χ^2/NDF: 10776761.3/48

All: 17.280+/-0.002 χ^2/NDF: 23738775.8/101

- sign 17.470+/-0.002 χ^2/NDF: 12950224.5/52



Right In: 0.006+/-0.008 χ^2/NDF: 23.3/23

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

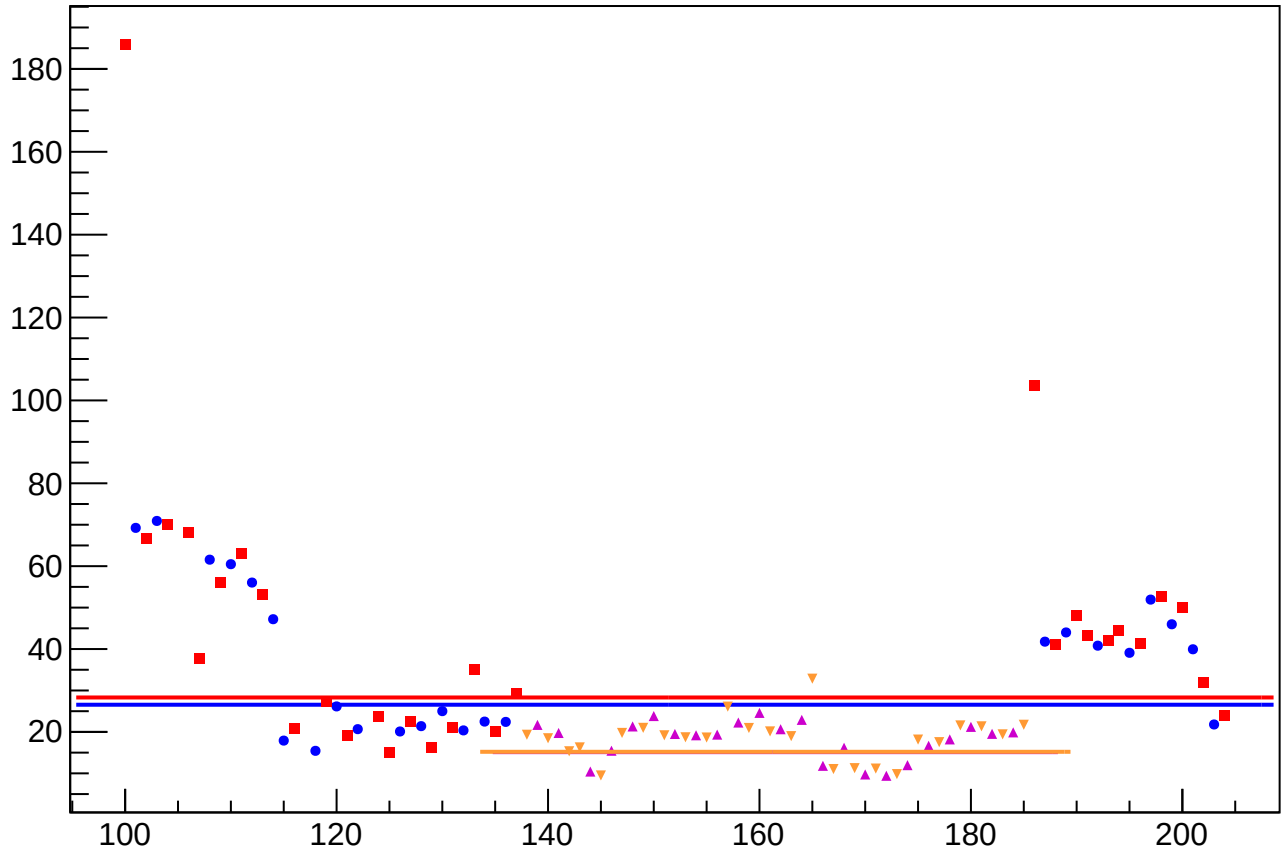
Right Out: 0.001+/-0.008 χ^2/NDF: 34.1/29

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 46.8/48

All: -0.002+/-0.002 χ^2/NDF: 107.9/101

- sign -0.002+/-0.003 χ^2/NDF: 61.1/52



Right In: 26.559+/-0.006 χ^2/NDF: 4196375.7/23

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

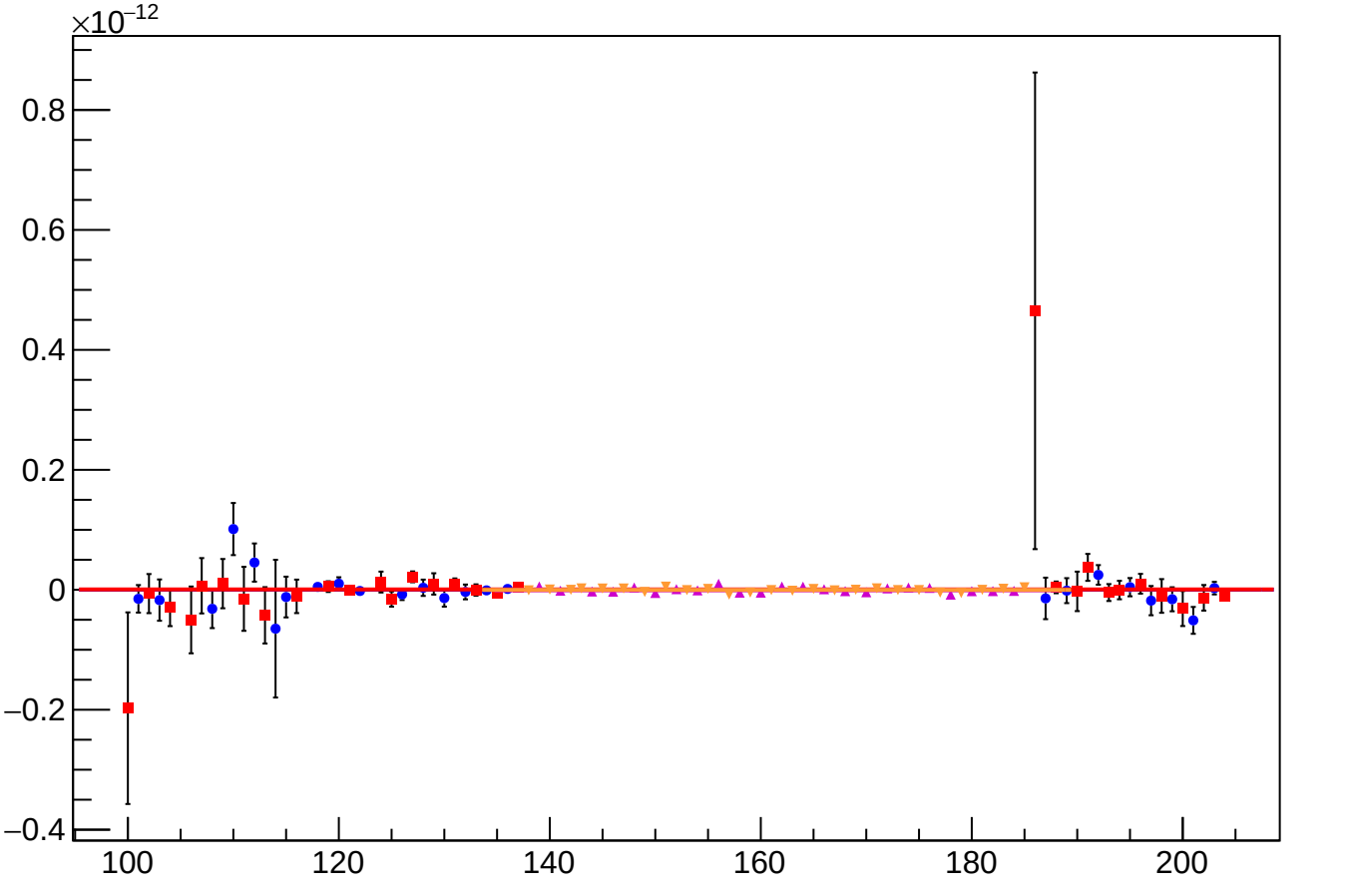
Right Out: 28.311+/-0.006 χ^2/NDF: 5303581.6/29

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.098+/-0.002 χ^2/NDF: 10776761.3/48

All: 17.280+/-0.002 χ^2/NDF: 23738775.8/101

- sign 17.470+/-0.002 χ^2/NDF: 12950224.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

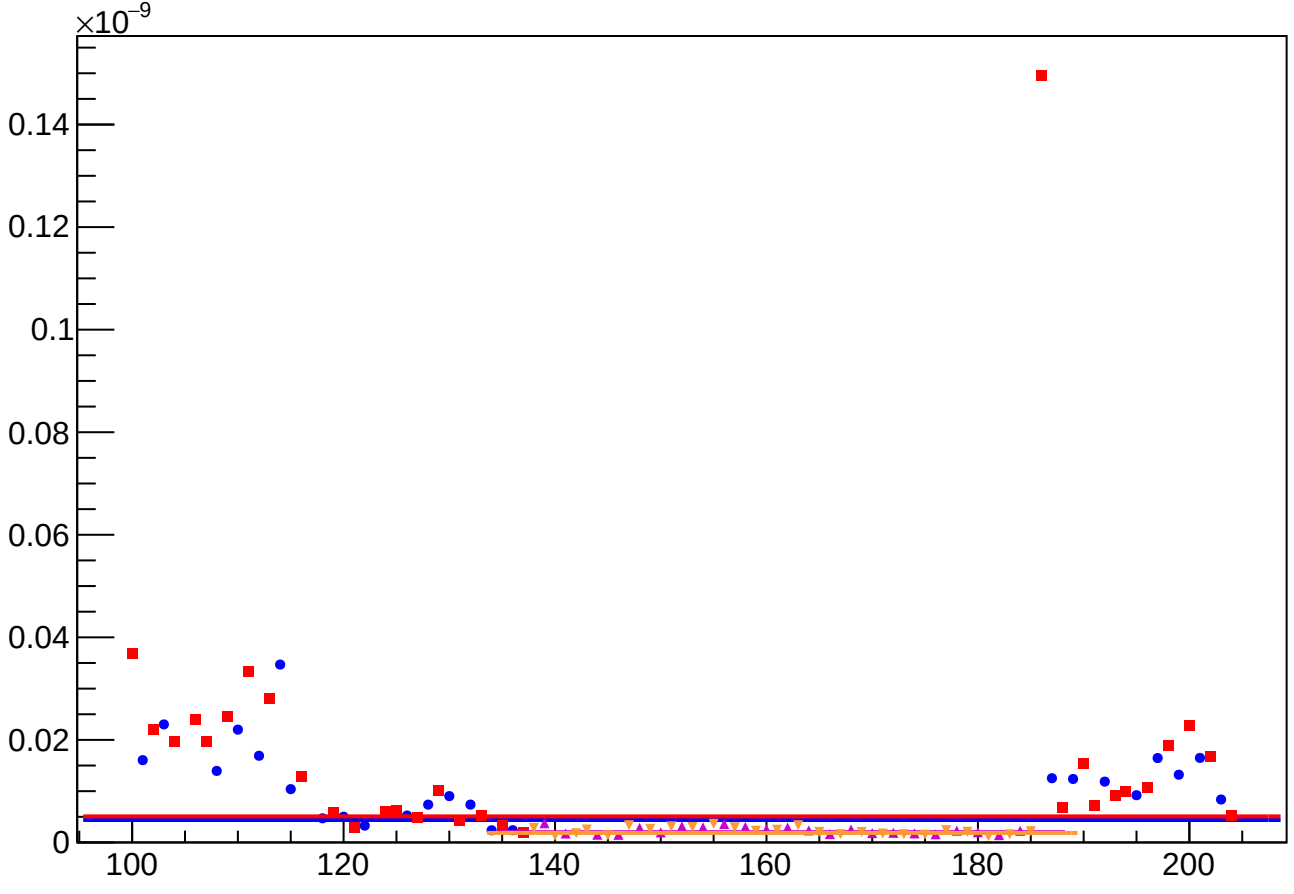
Right Out: 0.000+/-0.000 χ^2/NDF: 24.3/29

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.4/48

All: -0.000+/-0.000 χ^2/NDF: 108.1/101

- sign -0.000+/-0.000 χ^2/NDF: 64.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 6636816.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7716899.4/29

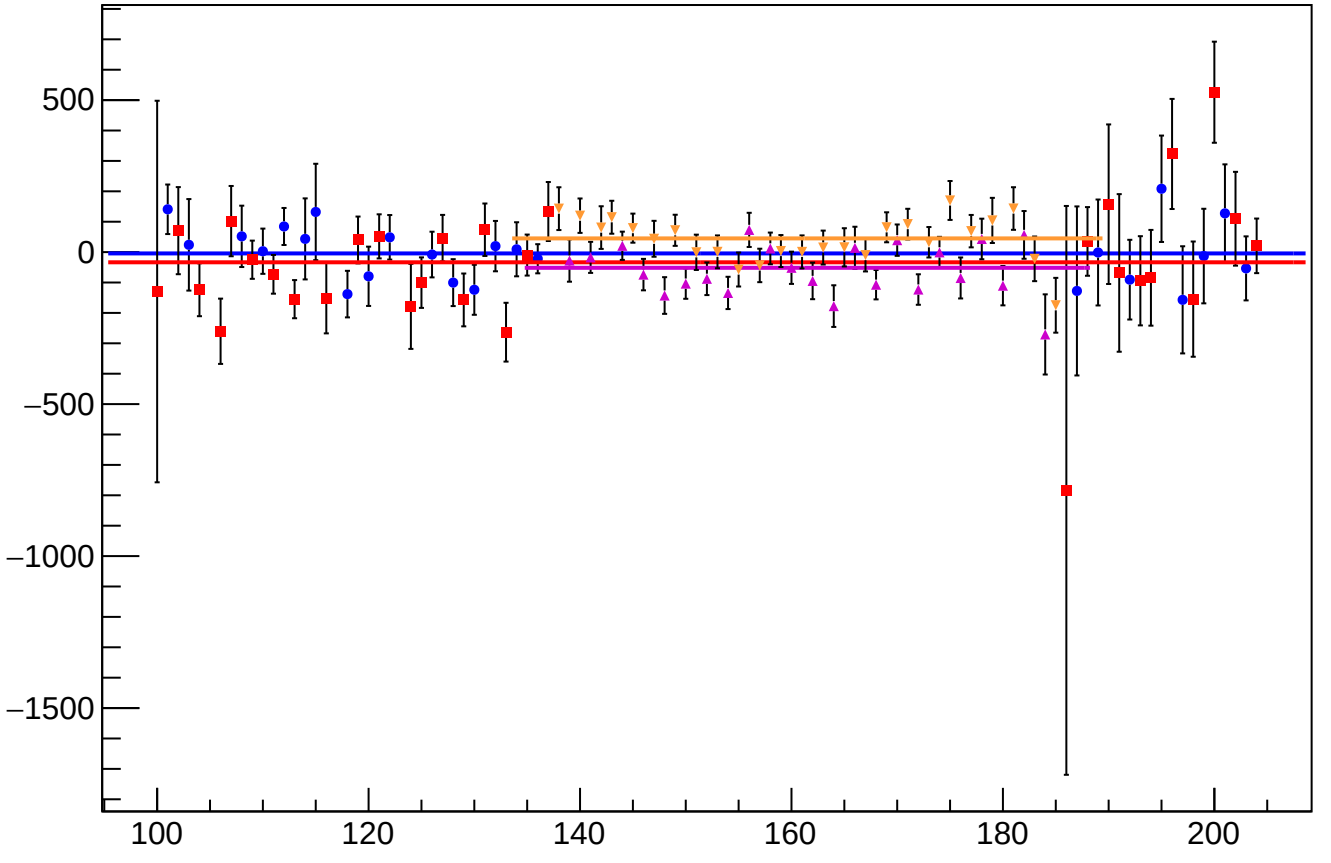
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12400066.7/48

All: 0.000+/-0.000 χ^2/NDF: 26227746.0/101

- sign 0.000+/-0.000 χ^2/NDF: 13704510.3/52

reg_asym_sam_1357_avg_mean vs Slug



Right In: -4.299+/-18.764 χ^2/NDF: 18.3/23

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -33.503+/-18.096 χ^2/NDF: 48.7/29

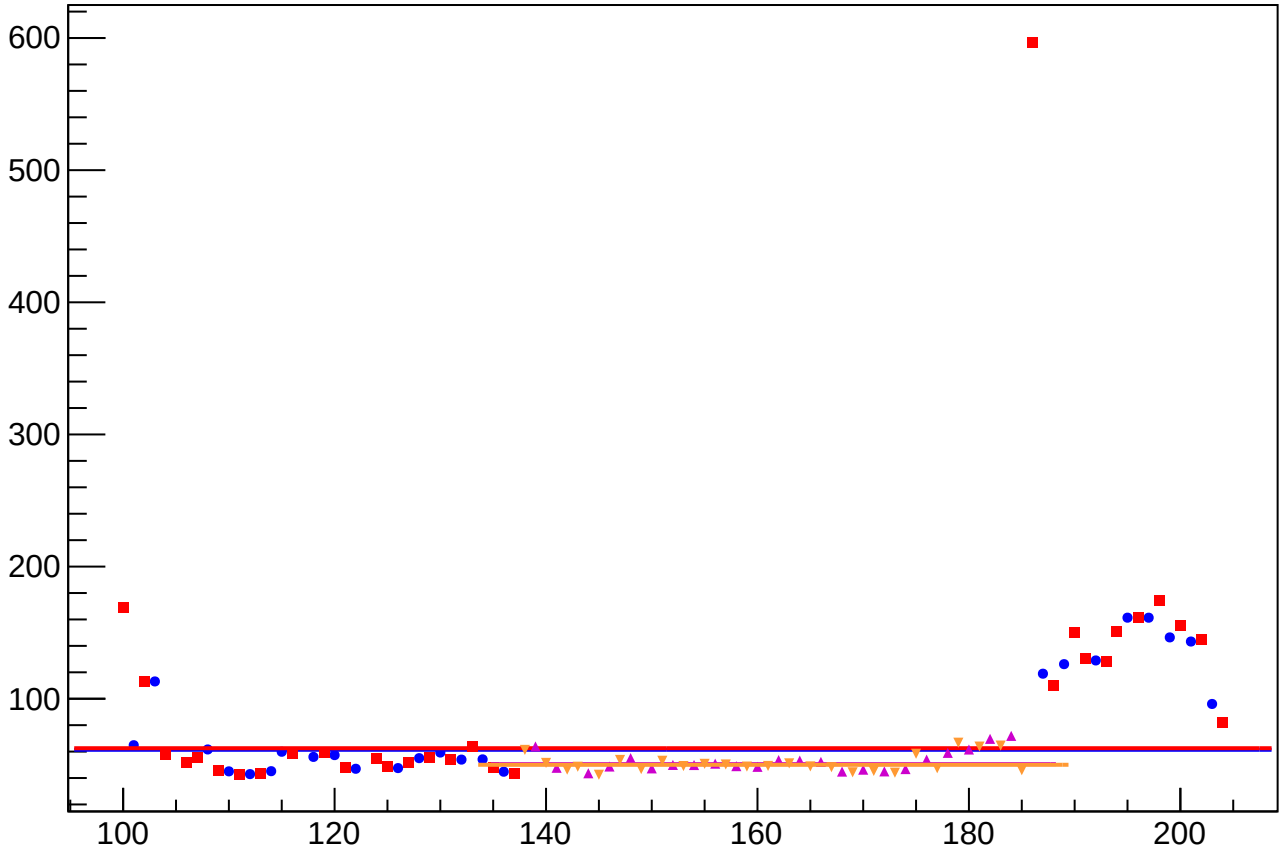
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 31.615+/-9.802 χ^2/NDF: 54.7/48

All: -6.636+/-6.986 χ^2/NDF: 170.9/101

- sign -46.130+/-9.960 χ^2/NDF: 85.3/52

reg_asym_sam_1357_avg_rms vs Slug



Right In: 61.361+/-0.013 χ^2/NDF: 4511798.3/23

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 62.557+/-0.013 χ^2/NDF: 6235262.2/29

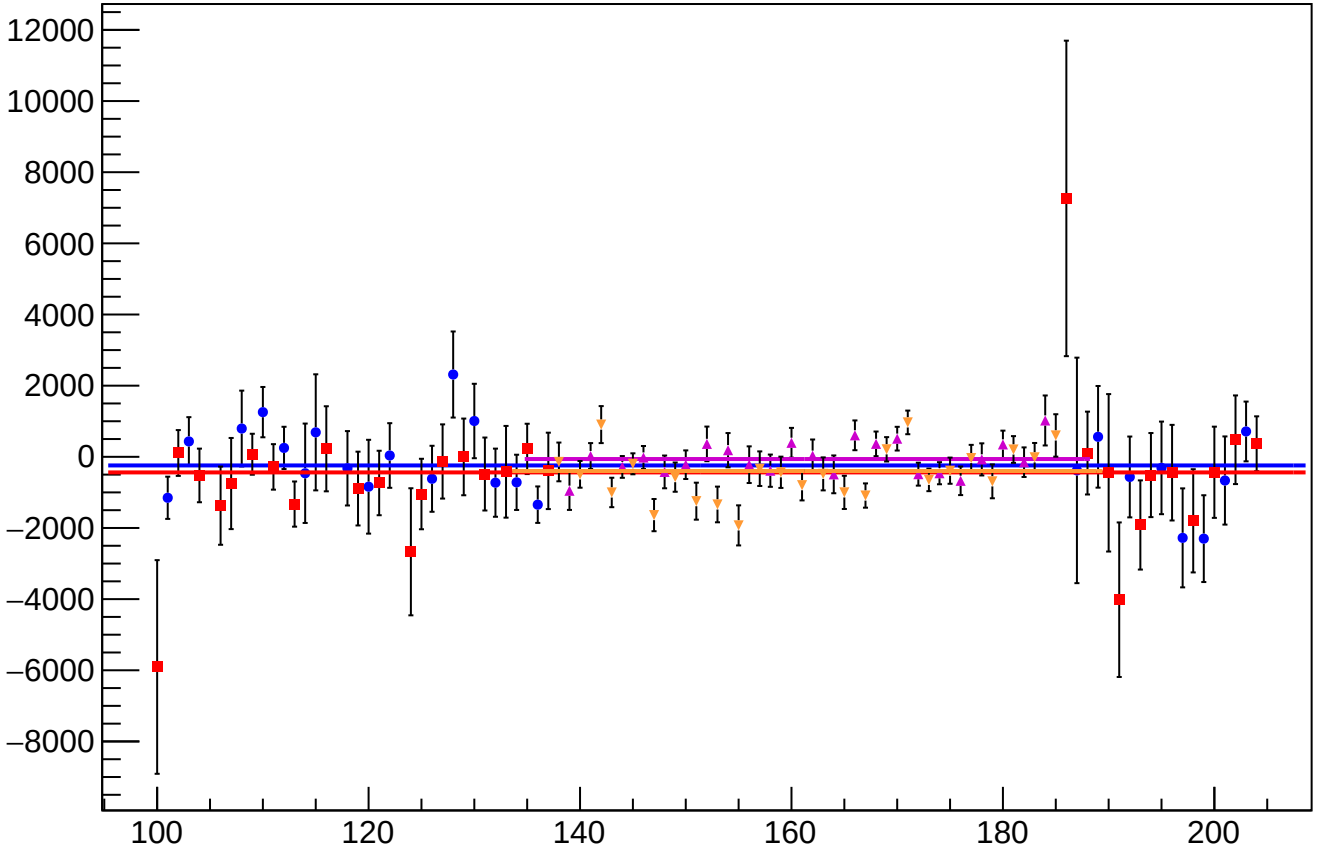
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 53.115+/-0.007 χ^2/NDF: 5552015.6/48

All: 53.630+/-0.005 χ^2/NDF: 12919487.2/101

- sign 54.160+/-0.007 χ^2/NDF: 7356284.8/52

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -242.219+/-186.268 χ^2/NDF: 28.2/23

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -438.398+/-180.856 χ^2/NDF: 21.2/29

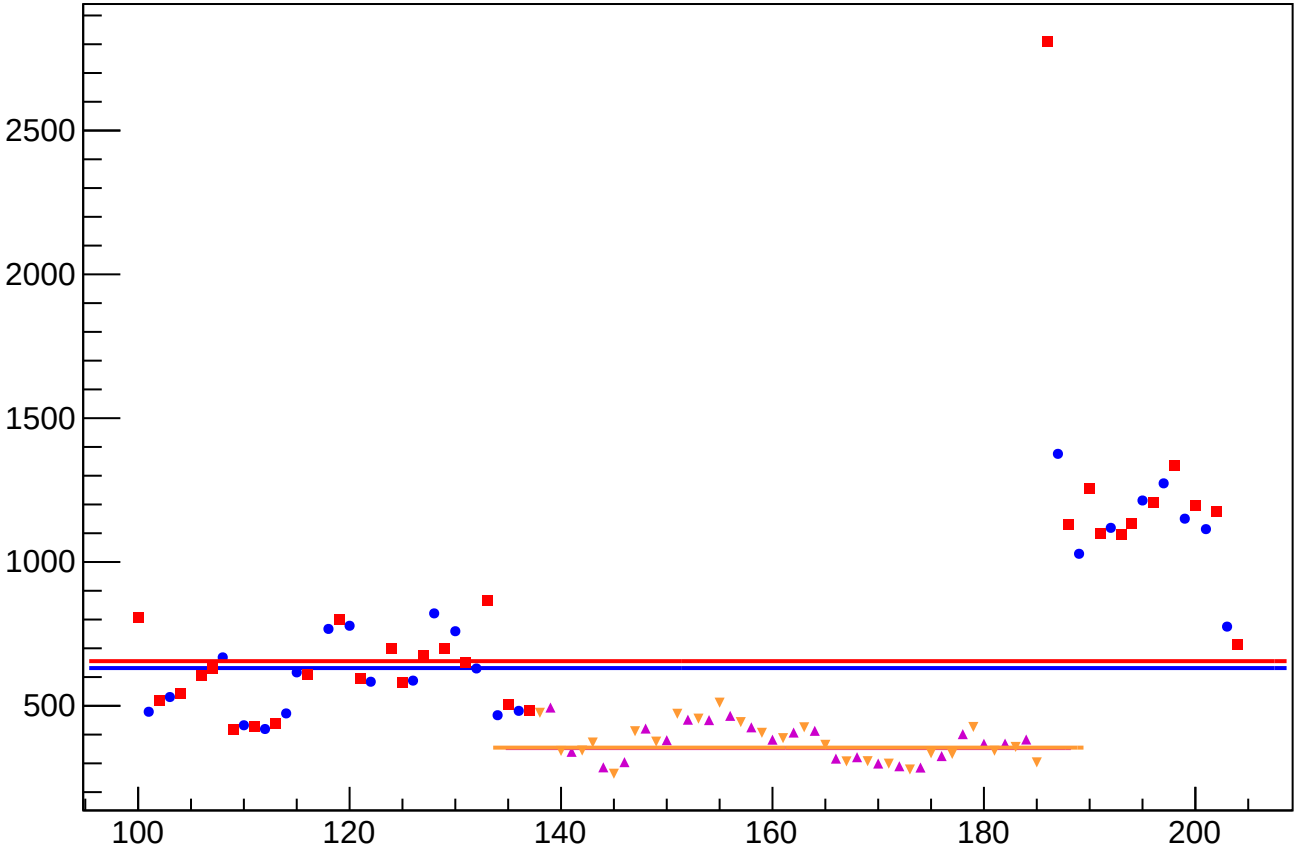
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -373.820+/-75.098 χ^2/NDF: 94.2/48

All: -252.879+/-53.454 χ^2/NDF: 148.1/101

- sign -128.680+/-76.103 χ^2/NDF: 48.7/52

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 631.253+/-0.132 χ^2/NDF: 3206373.5/23

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 655.322+/-0.128 χ^2/NDF: 4352452.3/29

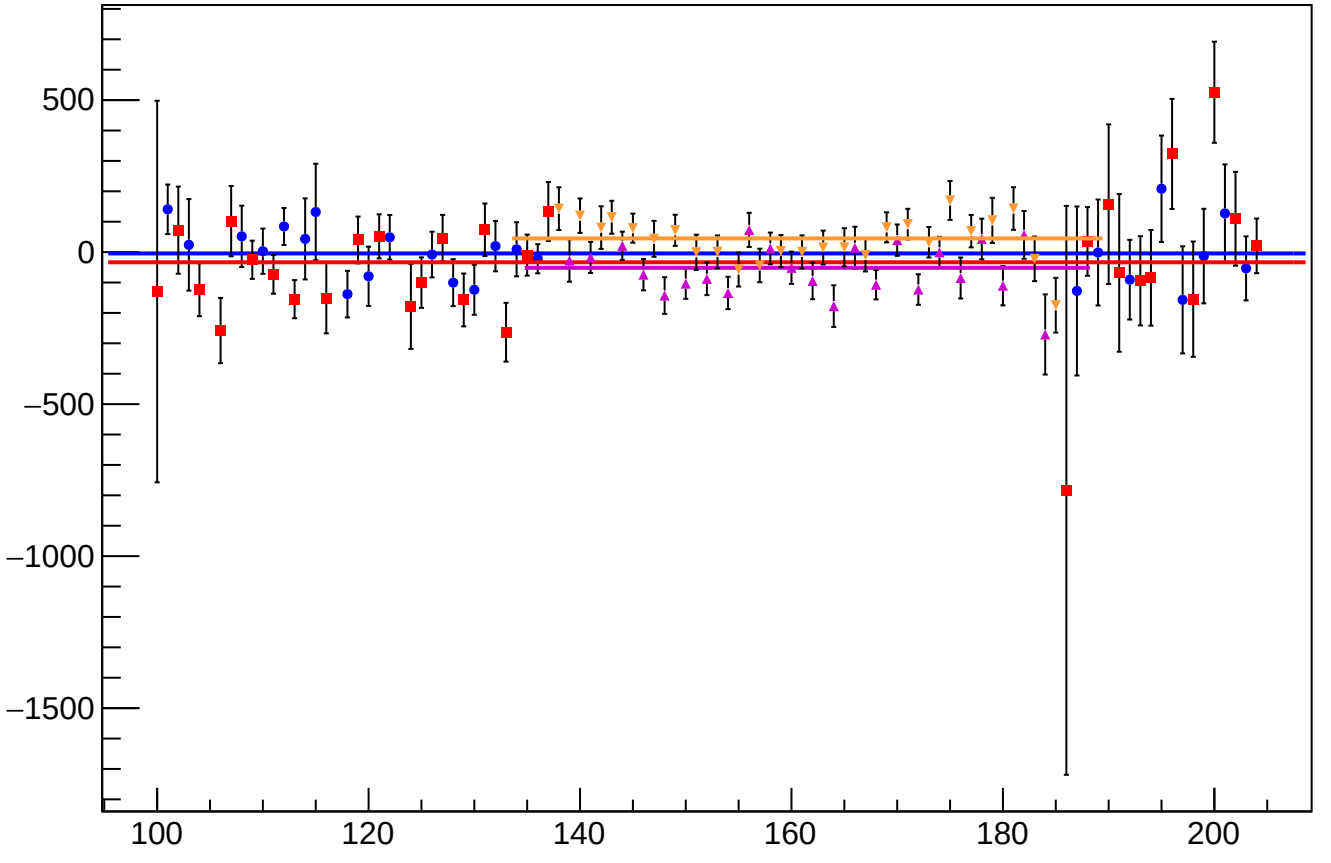
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 399.628+/-0.053 χ^2/NDF: 8044700.6/48

All: 403.079+/-0.038 χ^2/NDF: 18005516.2/10

- sign 406.622+/-0.054 χ^2/NDF: 9952257.6/52

cor_asym_sam_1357_avg_mean vs Slug



Right In: -4.302+/-18.764 χ^2/NDF: 18.3/23

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -33.404+/-18.097 χ^2/NDF: 48.6/29

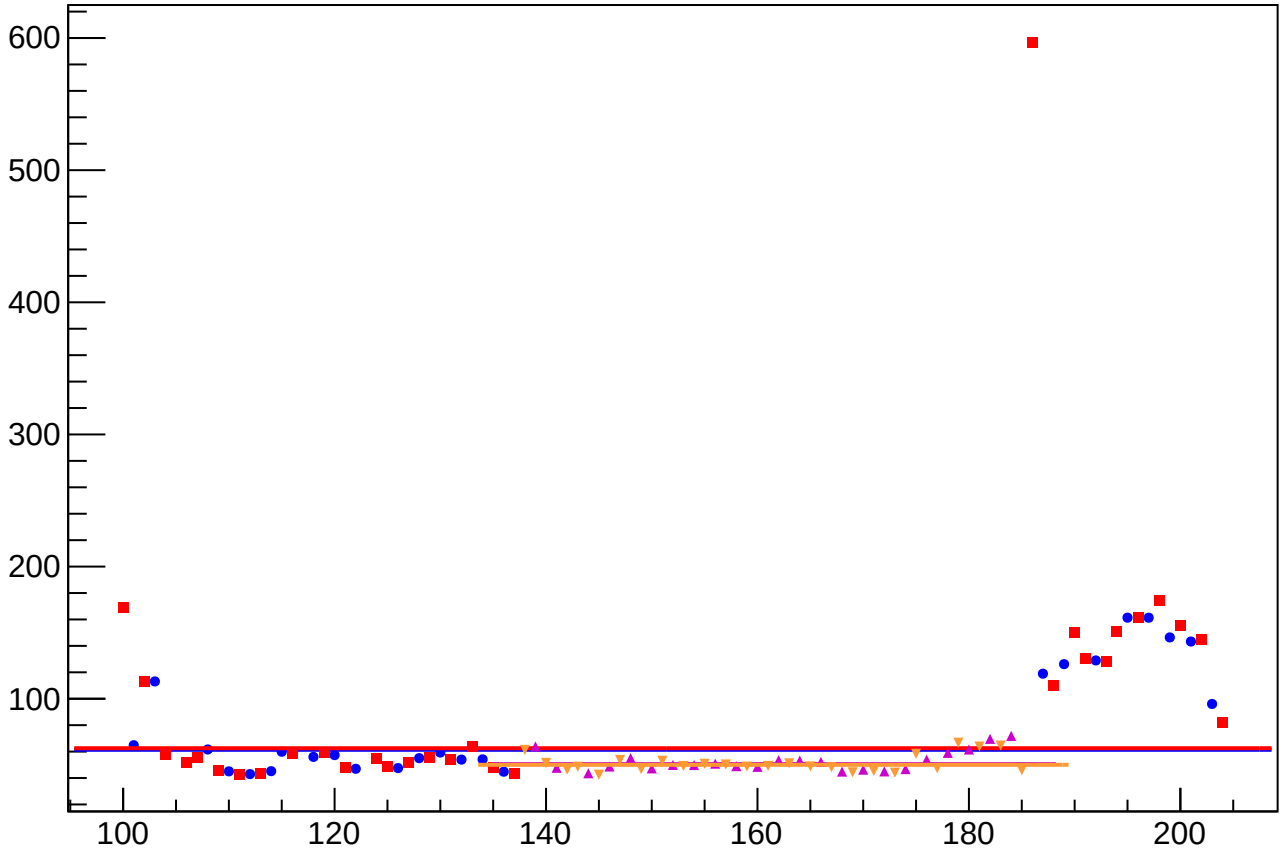
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 31.617+/-9.802 χ^2/NDF: 54.7/48

All: -6.620+/-6.986 χ^2/NDF: 170.8/101

- sign -46.099+/-9.960 χ^2/NDF: 85.2/52

cor_asym_sam_1357_avg_rms vs Slug



Right In: 61.361+/-0.013 χ^2/NDF: 4511800.7/23

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 62.548+/-0.013 χ^2/NDF: 6236627.8/29

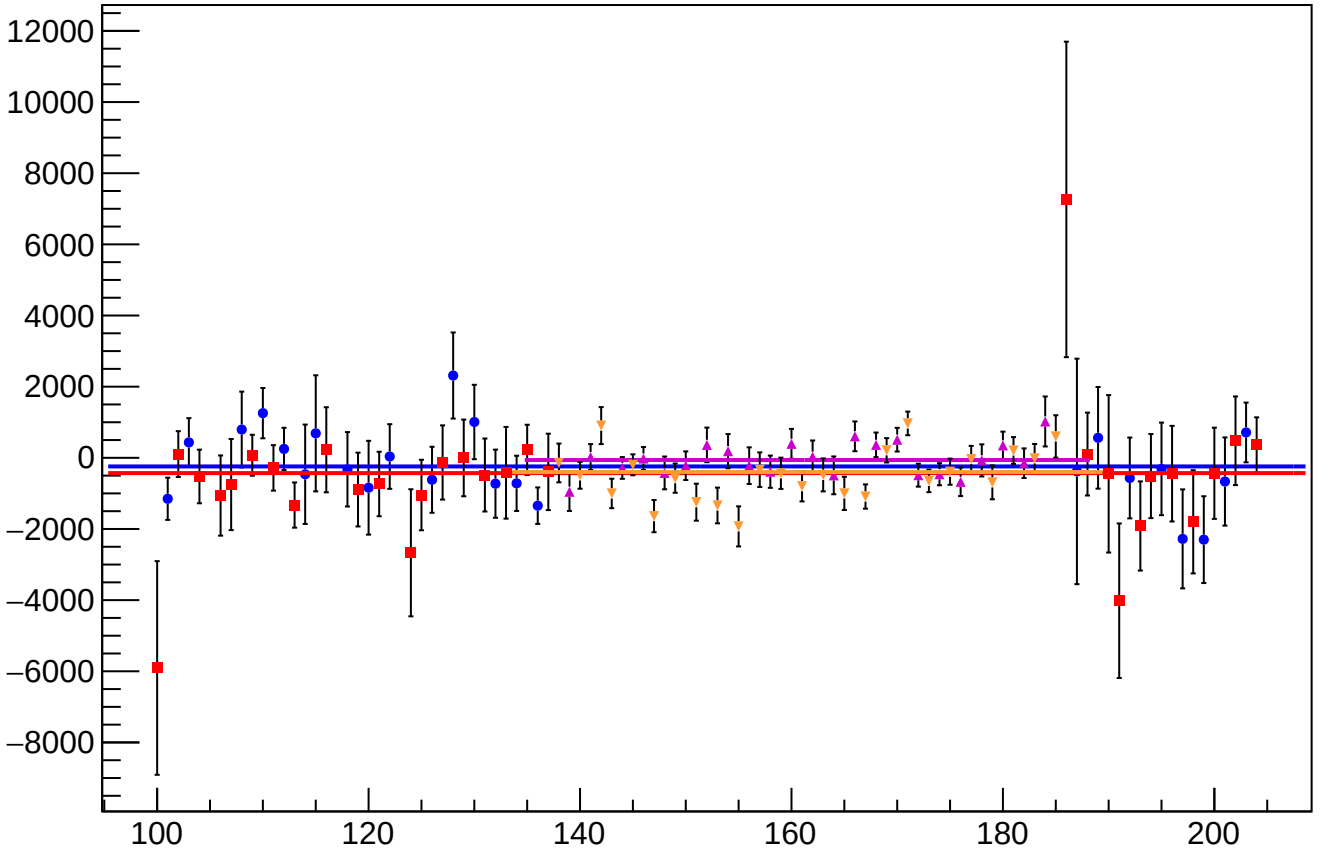
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 53.115+/-0.007 χ^2/NDF: 5552017.9/48

All: 53.628+/-0.005 χ^2/NDF: 12919931.2/101

- sign 54.158+/-0.007 χ^2/NDF: 7356782.7/52

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -242.201+/-186.270 χ^2/NDF: 28.2/23

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -429.441+/-180.991 χ^2/NDF: 20.7/29

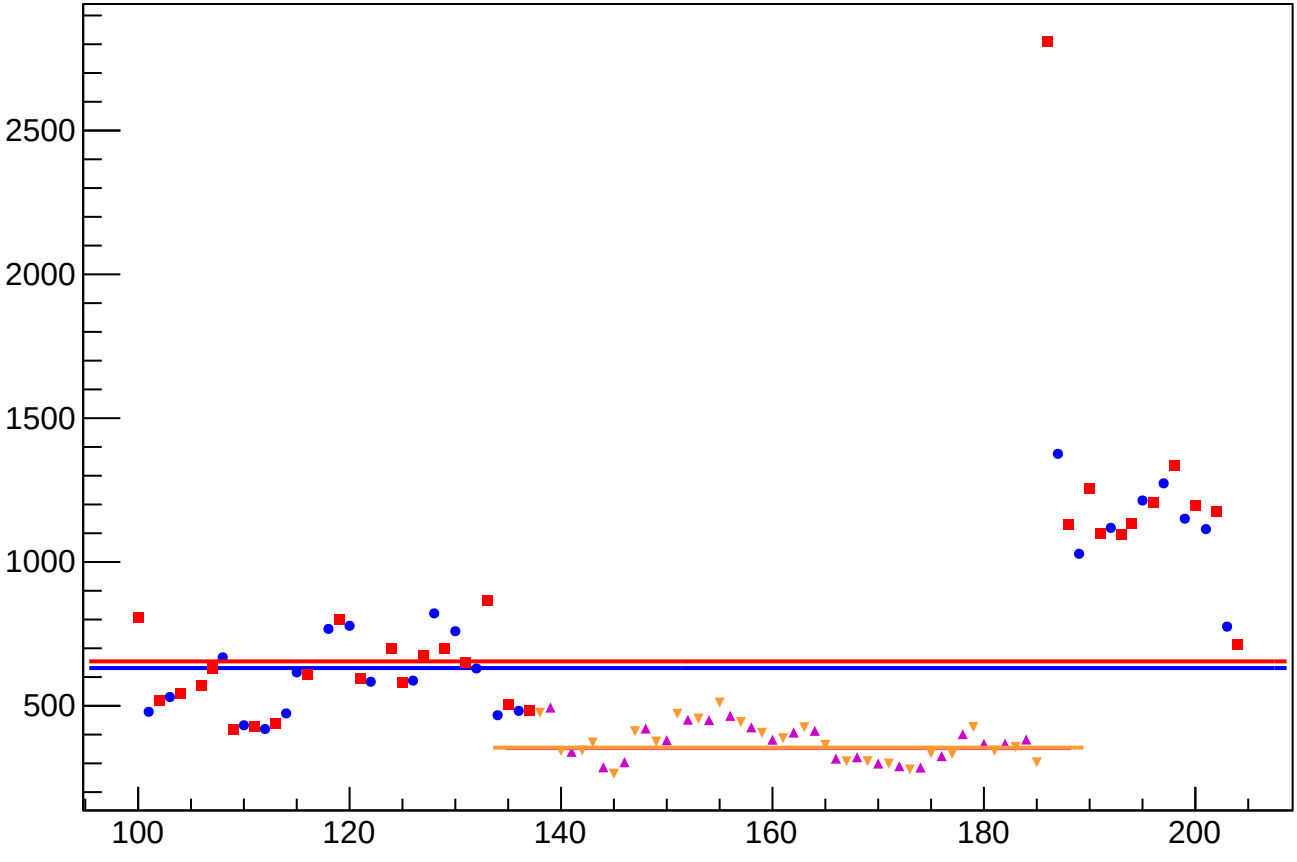
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -373.813+/-75.098 χ^2/NDF: 94.2/48

All: -252.070+/-53.458 χ^2/NDF: 147.6/101

- sign -127.013+/-76.113 χ^2/NDF: 48.1/52

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 631.259+/-0.132 χ^2/NDF: 3206316.8/23

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 654.533+/-0.128 χ^2/NDF: 4358875.5/29

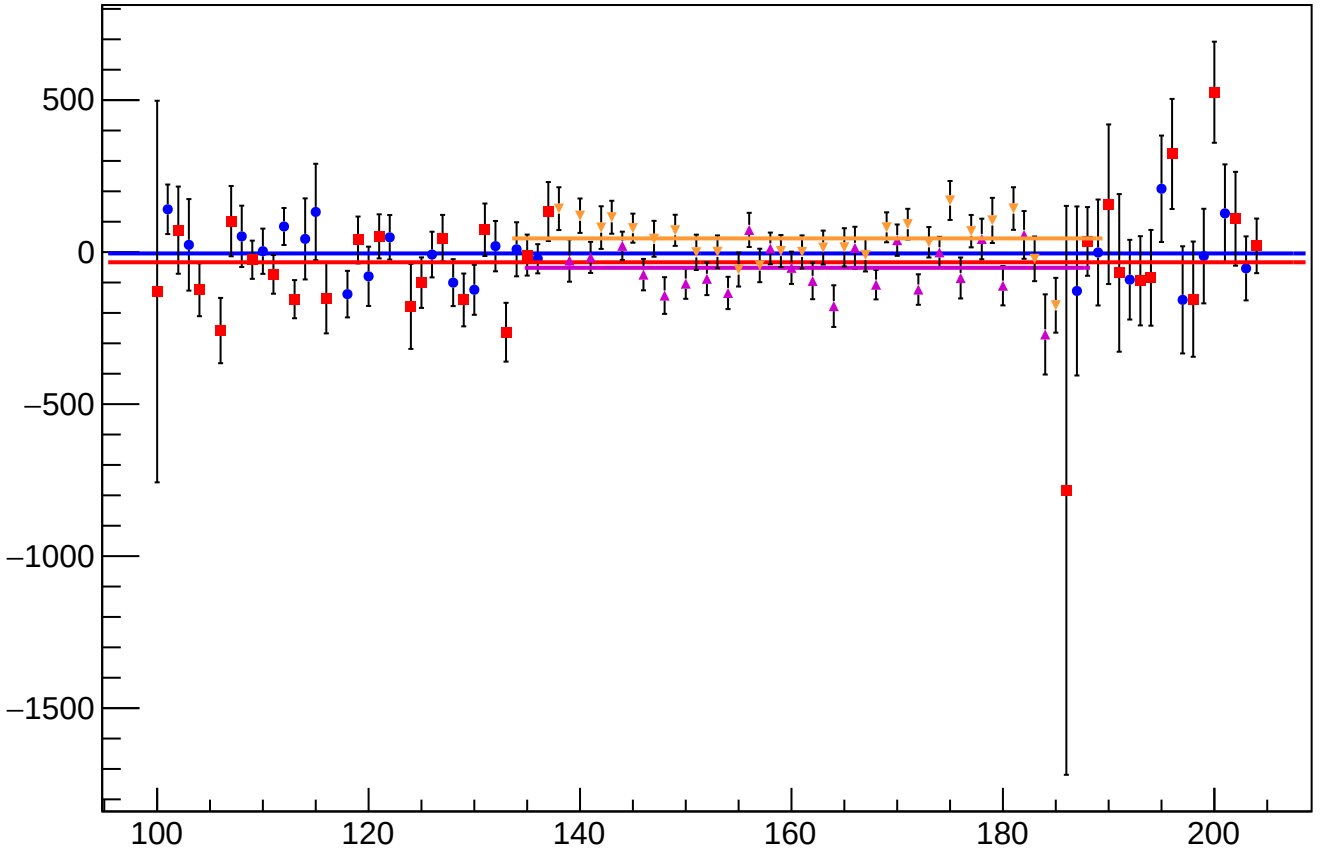
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 399.628+/-0.053 χ^2/NDF: 8044757.4/48

All: 402.977+/-0.038 χ^2/NDF: 17981923.5/10

- sign 406.417+/-0.054 χ^2/NDF: 9929104.4/52

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -4.302+/-18.764 χ^2/NDF: 18.3/23

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -33.404+/-18.097 χ^2/NDF: 48.6/29

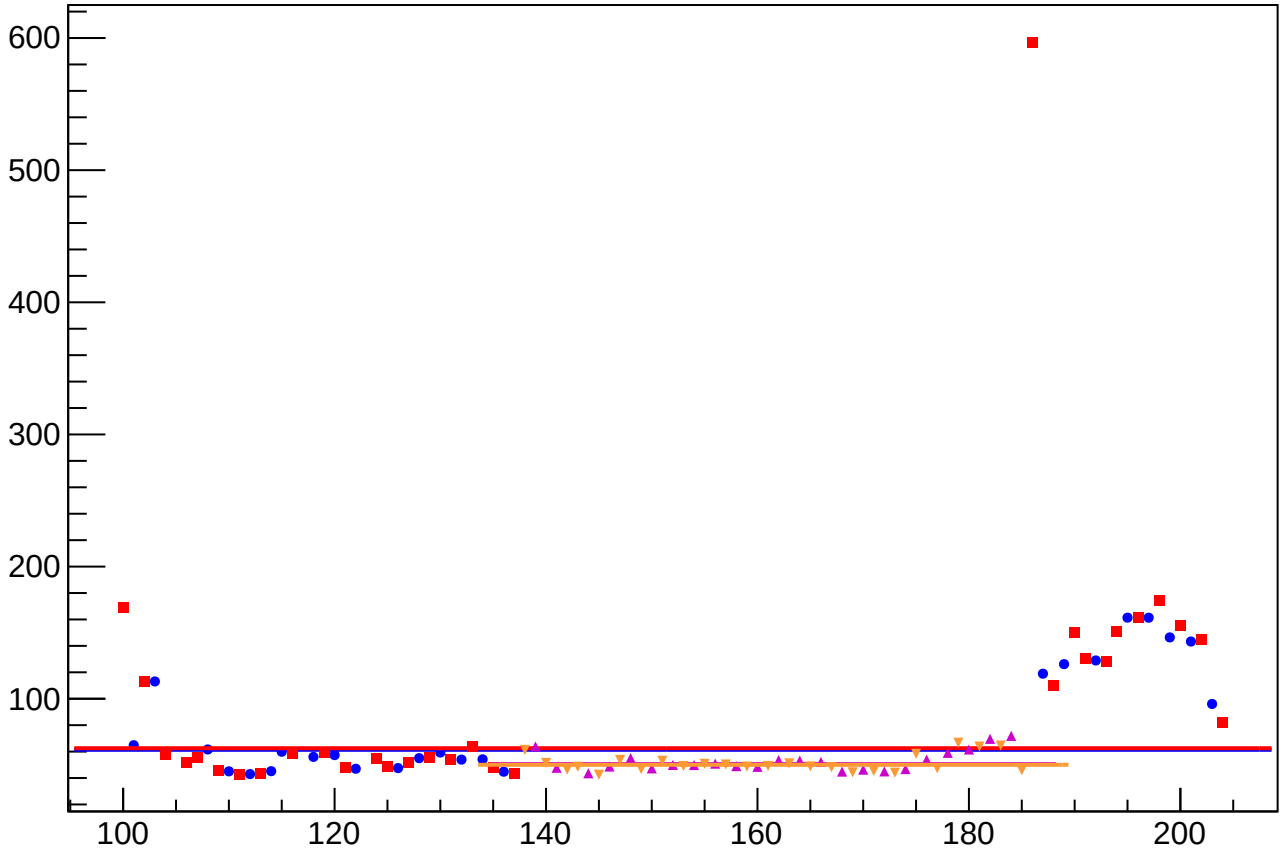
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 31.617+/-9.802 χ^2/NDF: 54.7/48

All: -6.620+/-6.986 χ^2/NDF: 170.8/101

- sign -46.099+/-9.960 χ^2/NDF: 85.2/52

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 61.361+/-0.013 χ^2/NDF: 4511800.7/23

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

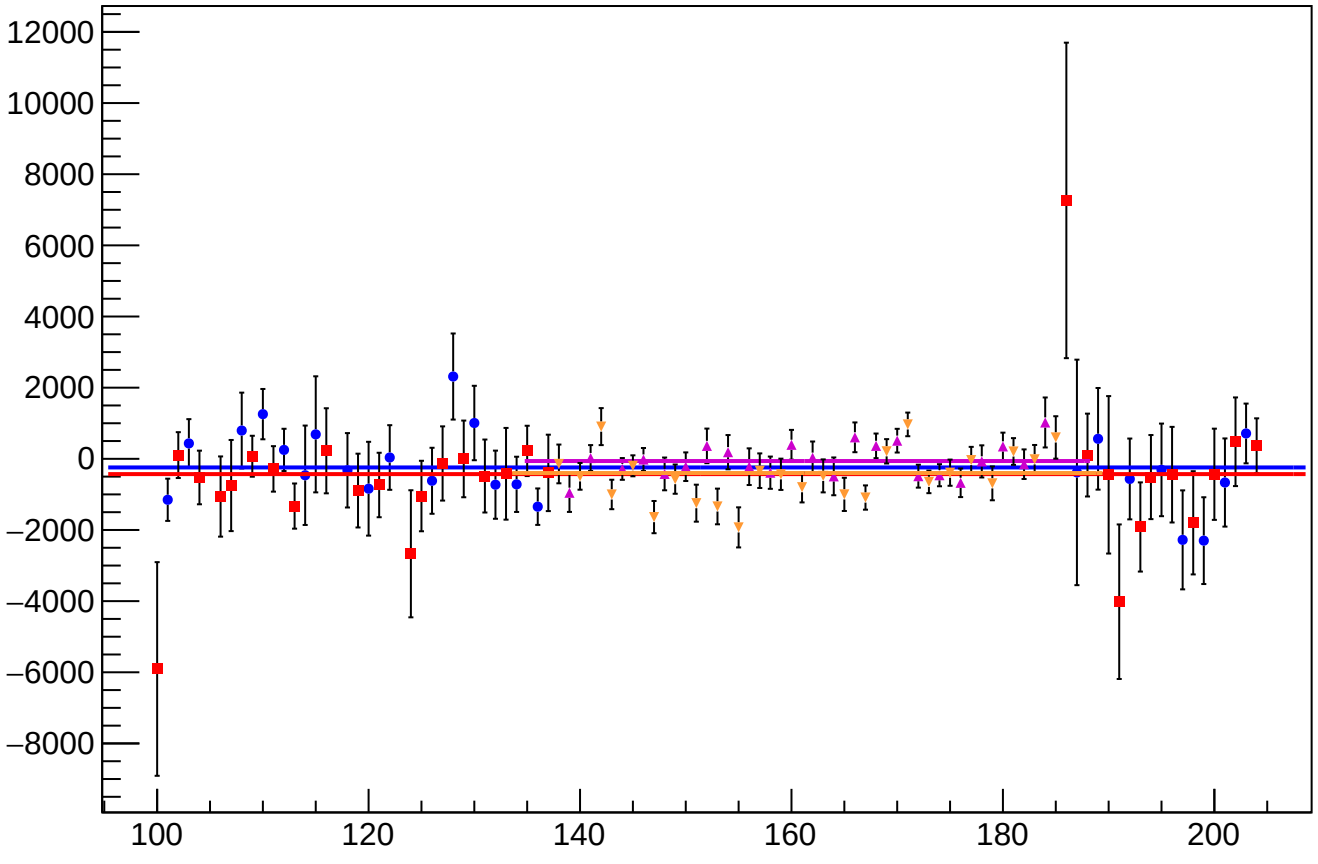
Right Out: 62.548+/-0.013 χ^2/NDF: 6236627.8/29

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 53.115+/-0.007 χ^2/NDF: 5552017.9/48

All: 53.628+/-0.005 χ^2/NDF: 12919931.2/101

- sign 54.158+/-0.007 χ^2/NDF: 7356782.7/52



Right In: -242.201+/-186.270 χ^2/NDF: 28.2/23

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

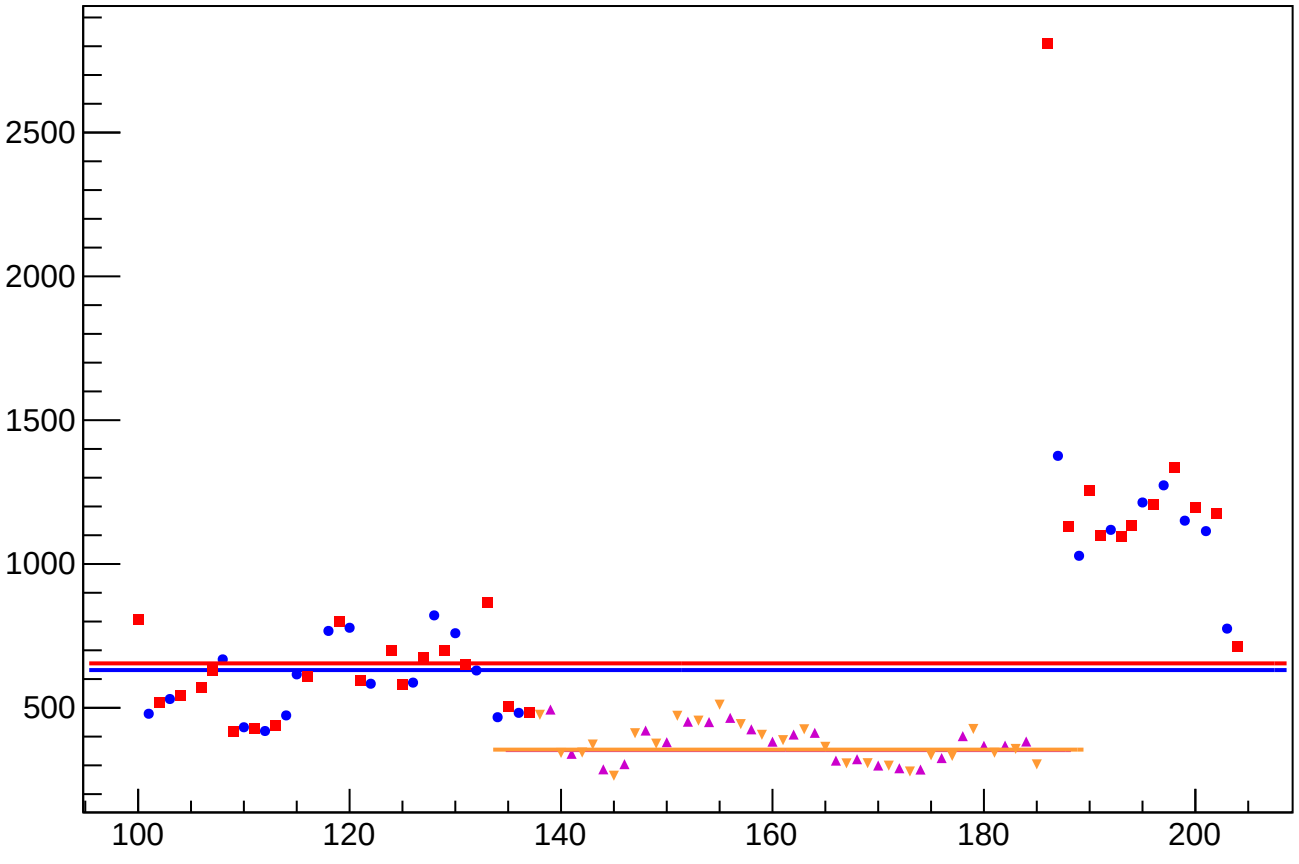
Right Out: -429.441+/-180.991 χ^2/NDF: 20.7/29

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -373.813+/-75.098 χ^2/NDF: 94.2/48

All: -252.070+/-53.458 χ^2/NDF: 147.6/101

- sign -127.013+/-76.113 χ^2/NDF: 48.1/52



Right In: 631.259+/-0.132 χ^2/NDF: 3206316.8/23

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 654.533+/-0.128 χ^2/NDF: 4358875.5/29

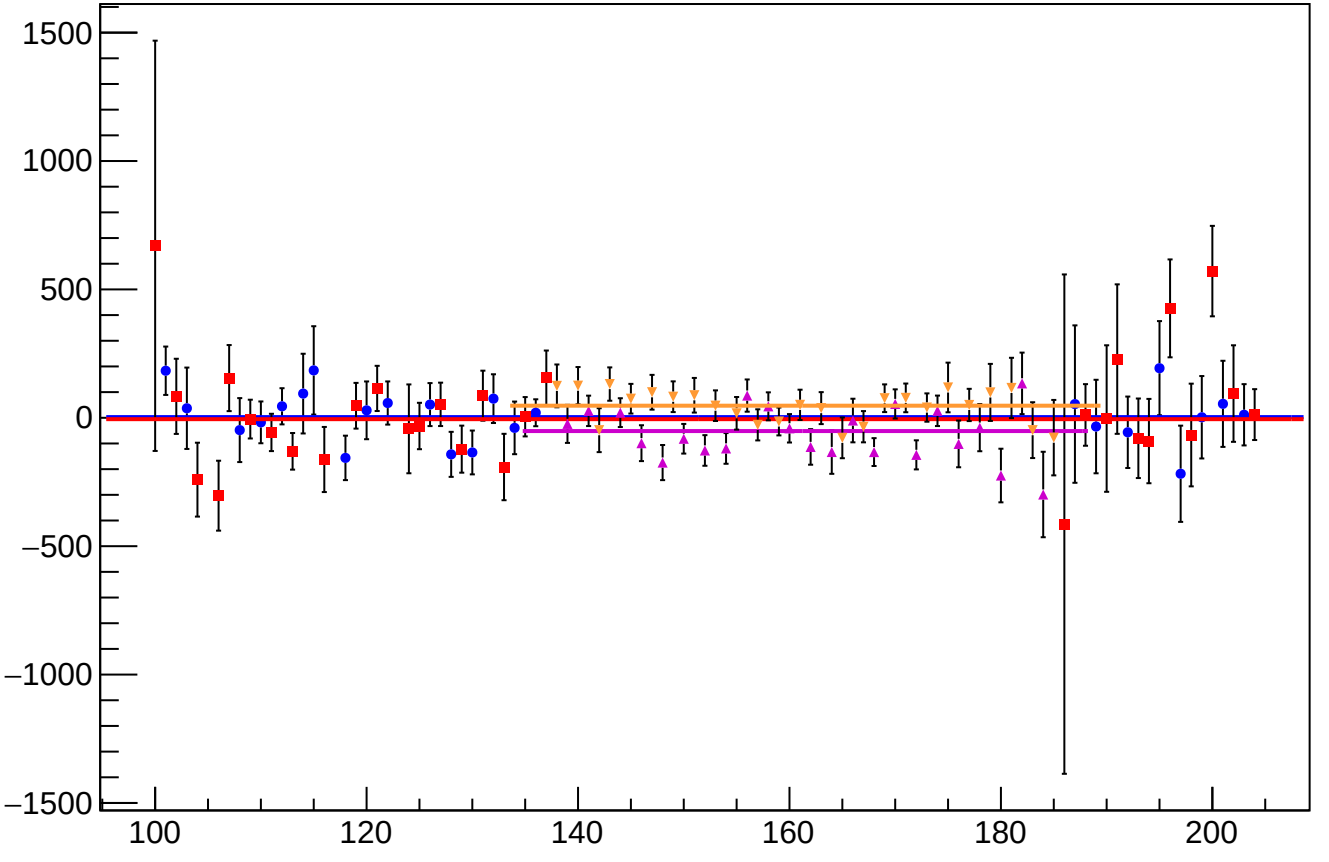
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 399.628+/-0.053 χ^2/NDF: 8044757.4/48

All: 402.977+/-0.038 χ^2/NDF: 17981923.5/10

- sign 406.417+/-0.054 χ^2/NDF: 9929104.4/52

dit_asym_sam_1357_avg_mean vs Slug



Right In: 2.692+/-20.969 χ^2/NDF: 19.0/23

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -5.297+/-20.773 χ^2/NDF: 42.5/29

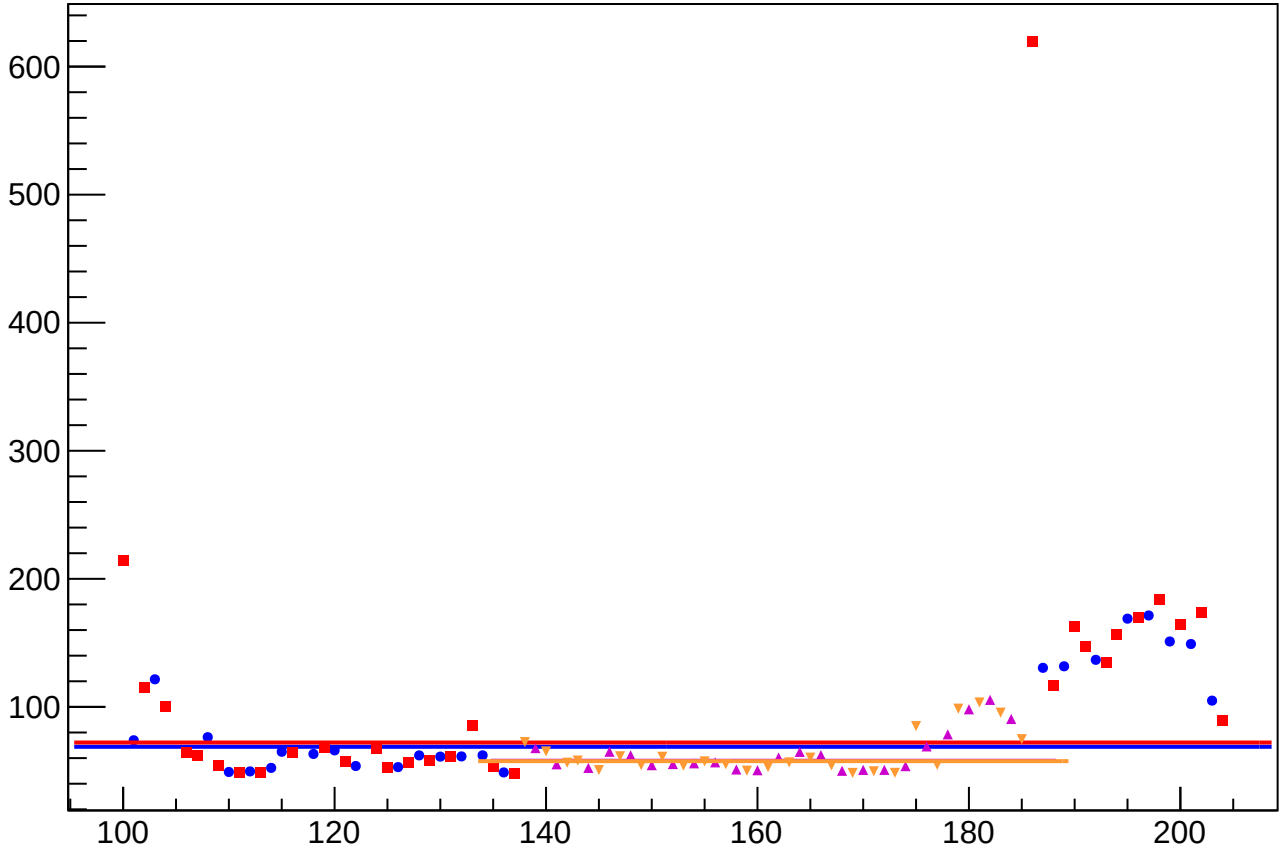
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 34.108+/-11.358 χ^2/NDF: 39.1/48

All: -0.915+/-8.106 χ^2/NDF: 142.6/101

- sign -37.268+/-11.572 χ^2/NDF: 84.1/52

dit_asym_sam_1357_avg_rms vs Slug



Right In: 68.843+/-0.015 χ^2/NDF: 4164951.9/23

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 72.175+/-0.015 χ^2/NDF: 5845895.2/29

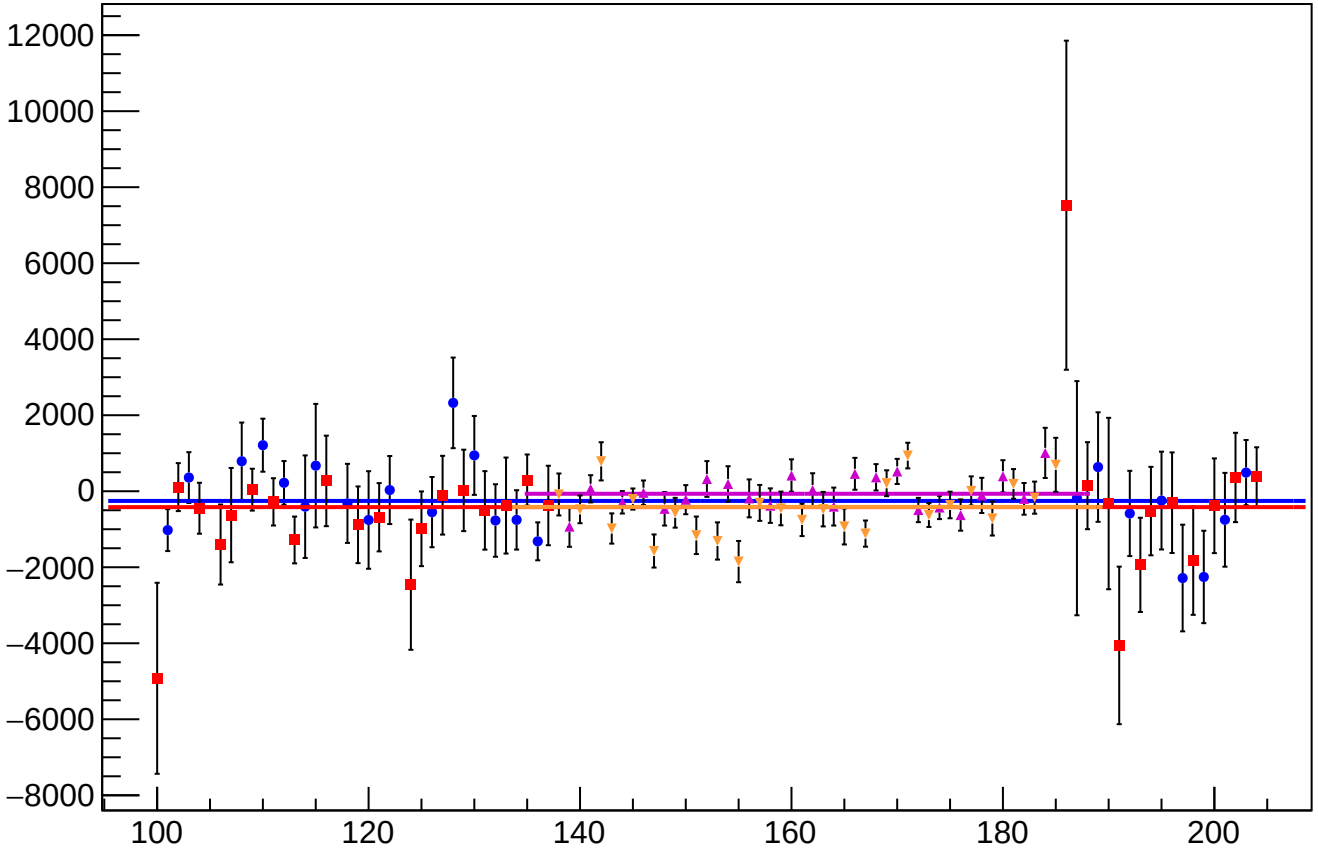
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 60.920+/-0.008 χ^2/NDF: 5934444.0/48

All: 61.625+/-0.006 χ^2/NDF: 13568268.0/101

- sign 62.357+/-0.008 χ^2/NDF: 7618119.4/52

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -254.858+/-182.468 χ^2/NDF: 27.1/23

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -417.990+/-175.480 χ^2/NDF: 22.0/29

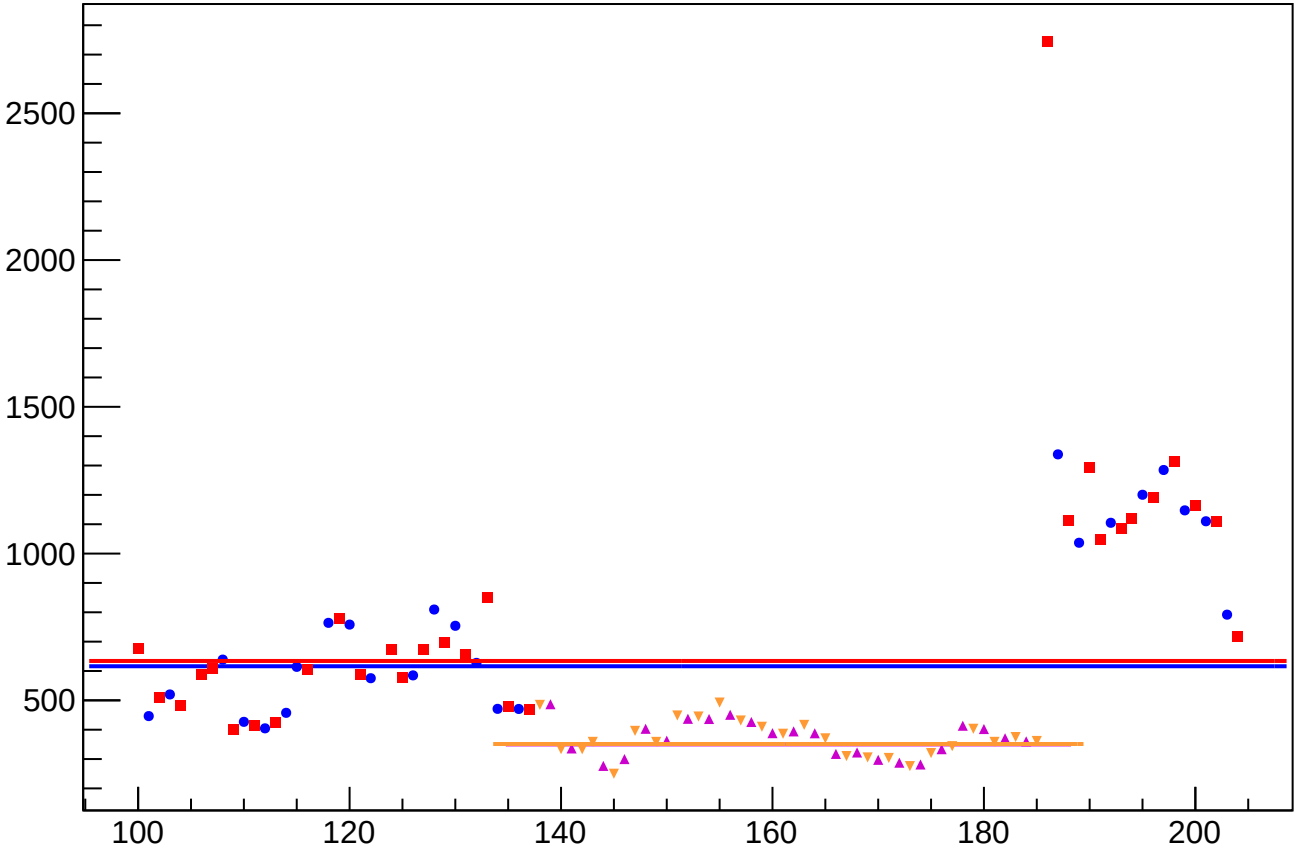
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -386.939+/-74.136 χ^2/NDF: 89.0/48

All: -260.595+/-52.756 χ^2/NDF: 143.0/101

- sign -130.974+/-75.091 χ^2/NDF: 48.1/52

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 616.151+/-0.129 χ^2/NDF: 3389793.2/23

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 634.178+/-0.124 χ^2/NDF: 4515761.0/29

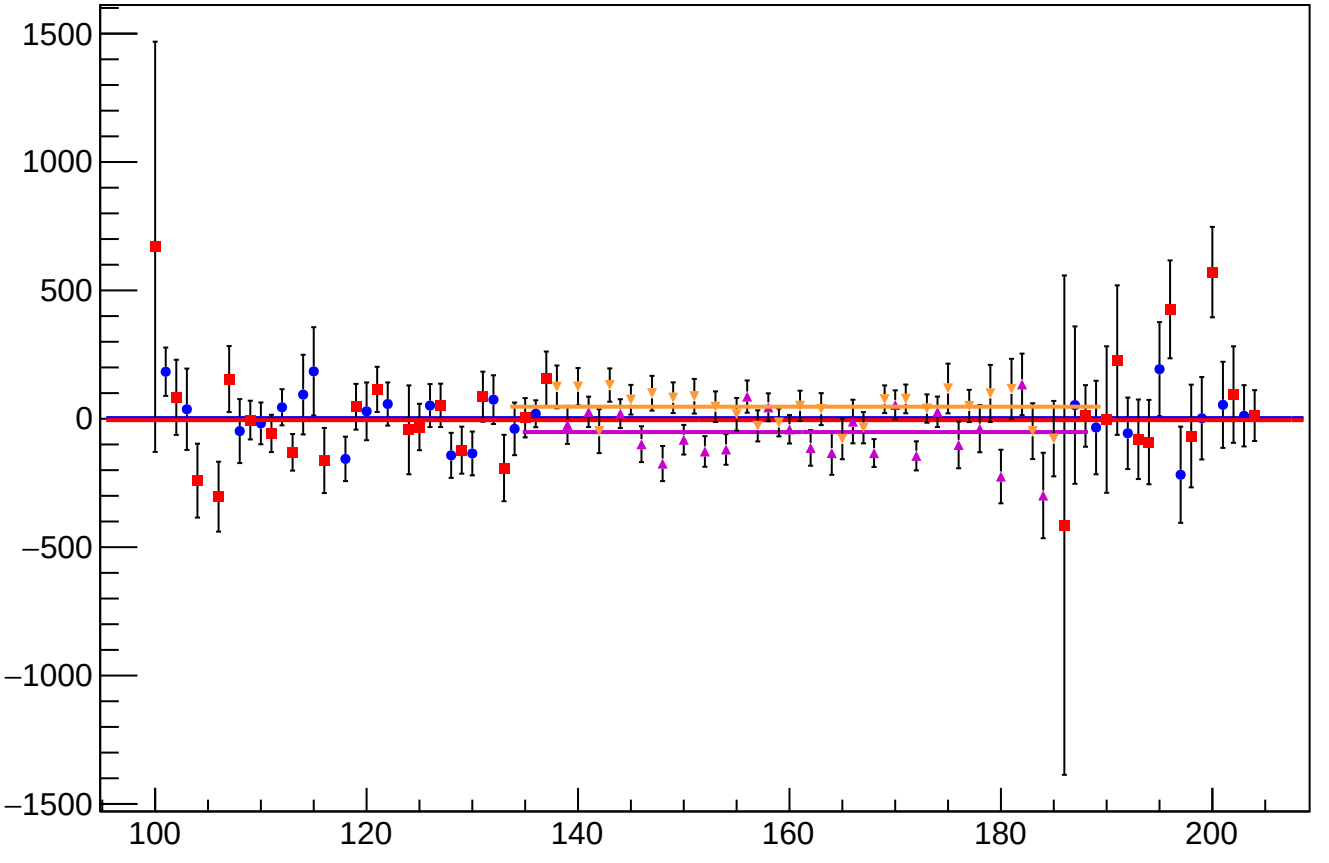
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 394.990+/-0.052 χ^2/NDF: 8027074.3/48

All: 398.393+/-0.037 χ^2/NDF: 17832040.9/10

- sign 401.884+/-0.053 χ^2/NDF: 9796431.8/52

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 2.692+/-20.970 χ^2/NDF: 19.0/23

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -5.296+/-20.773 χ^2/NDF: 42.5/29

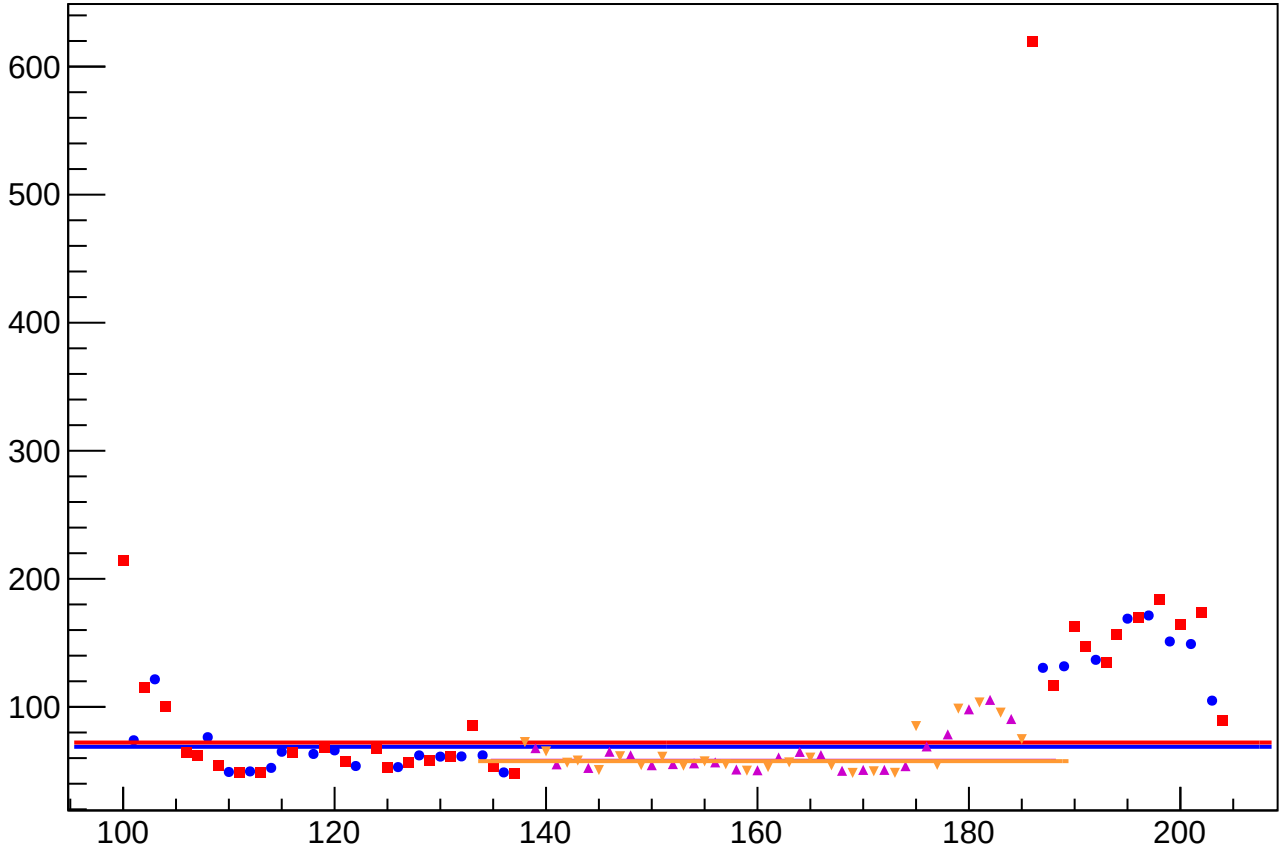
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 34.108+/-11.358 χ^2/NDF: 39.1/48

All: -0.914+/-8.106 χ^2/NDF: 142.6/101

- sign -37.268+/-11.572 χ^2/NDF: 84.1/52

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 68.843+/-0.015 χ^2/NDF: 4164936.0/23

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

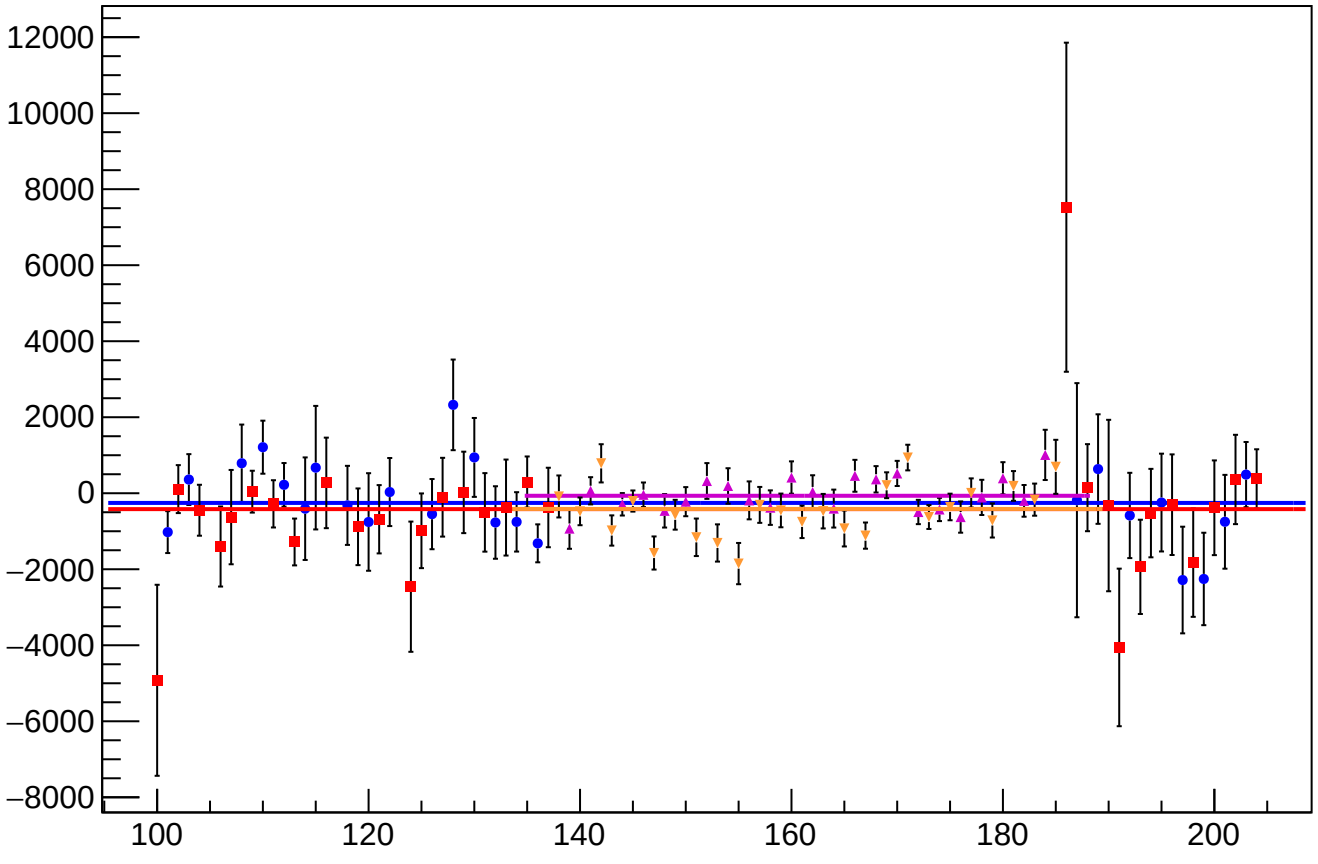
Right Out: 72.175+/-0.015 χ^2/NDF: 5845886.0/29

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 60.920+/-0.008 χ^2/NDF: 5934423.4/48

All: 61.625+/-0.006 χ^2/NDF: 13568225.3/101

- sign 62.357+/-0.008 χ^2/NDF: 7618096.7/52



Right In: -254.858+/-182.468 χ^2/NDF: 27.1/23

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

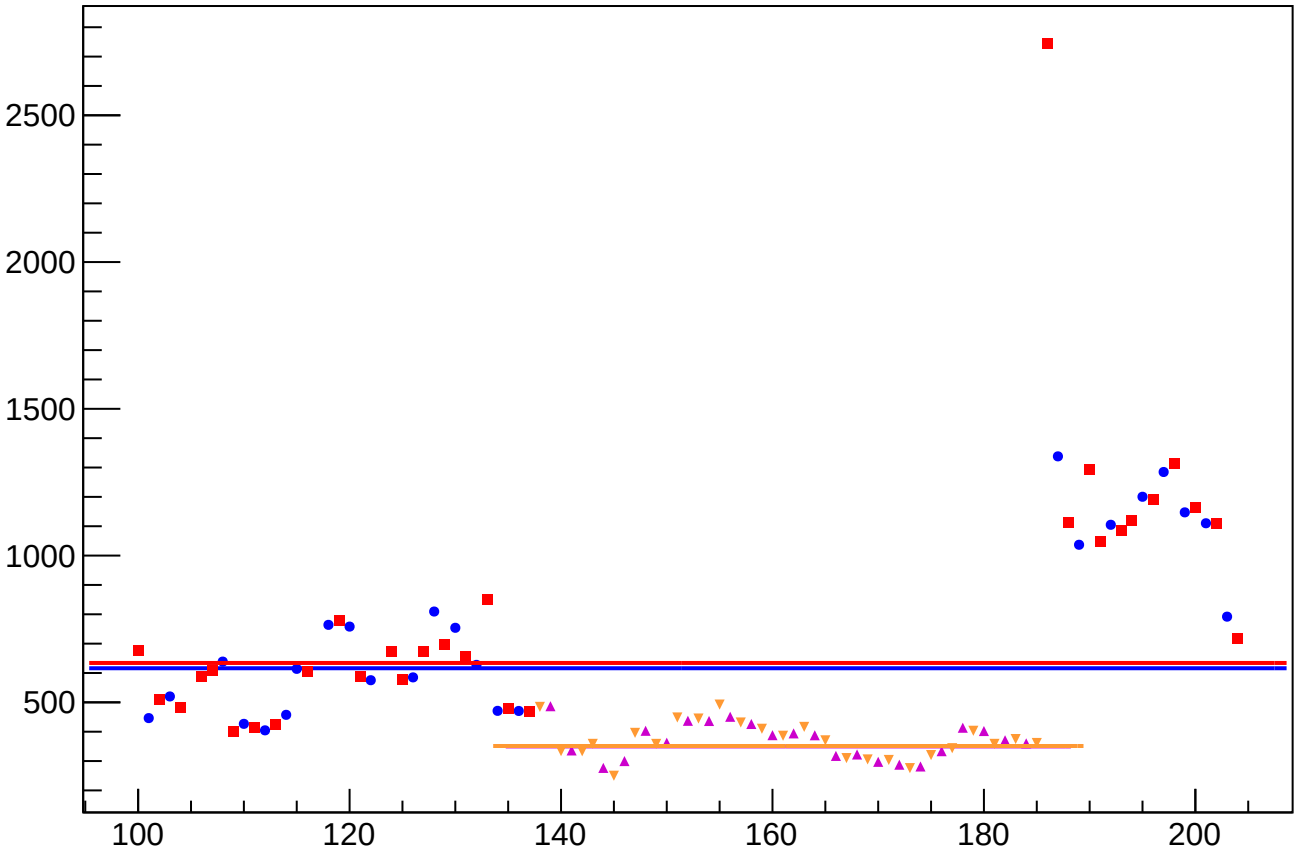
Right Out: -417.990+/-175.480 χ^2/NDF: 22.0/29

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -386.939+/-74.136 χ^2/NDF: 89.0/48

All: -260.594+/-52.756 χ^2/NDF: 143.0/101

- sign -130.974+/-75.091 χ^2/NDF: 48.1/52



Right In: 616.150+/-0.129 χ^2/NDF: 3389801.0/23

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 634.177+/-0.124 χ^2/NDF: 4515766.2/29

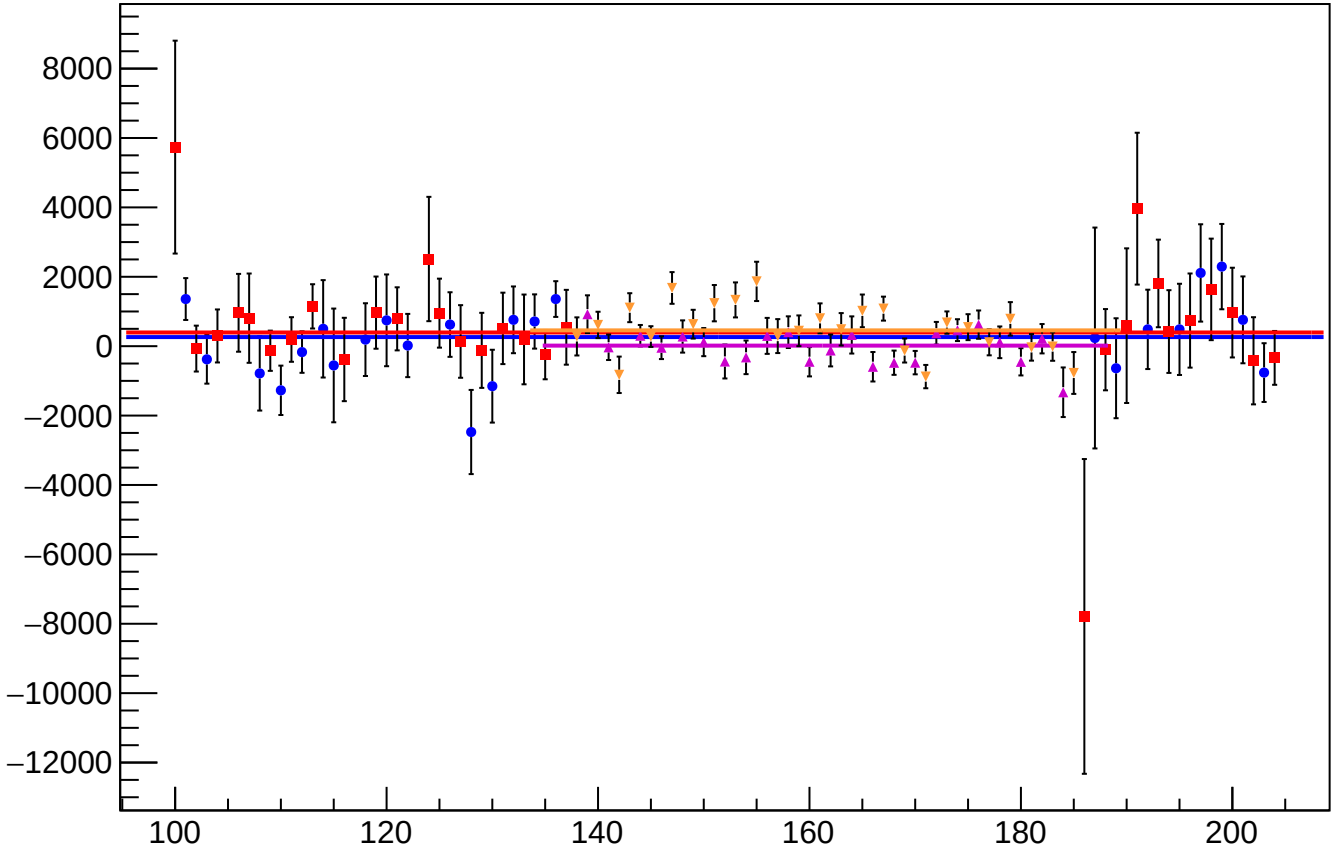
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 394.990+/-0.052 χ^2/NDF: 8027065.8/48

All: 398.393+/-0.037 χ^2/NDF: 17832014.2/10

- sign 401.883+/-0.053 χ^2/NDF: 9796413.4/52

asym_sam_1357_avg_mean vs Slug



Right In: 262.271+/-187.794 χ^2/NDF: 29.5/23

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 394.806+/-182.322 χ^2/NDF: 19.6/29

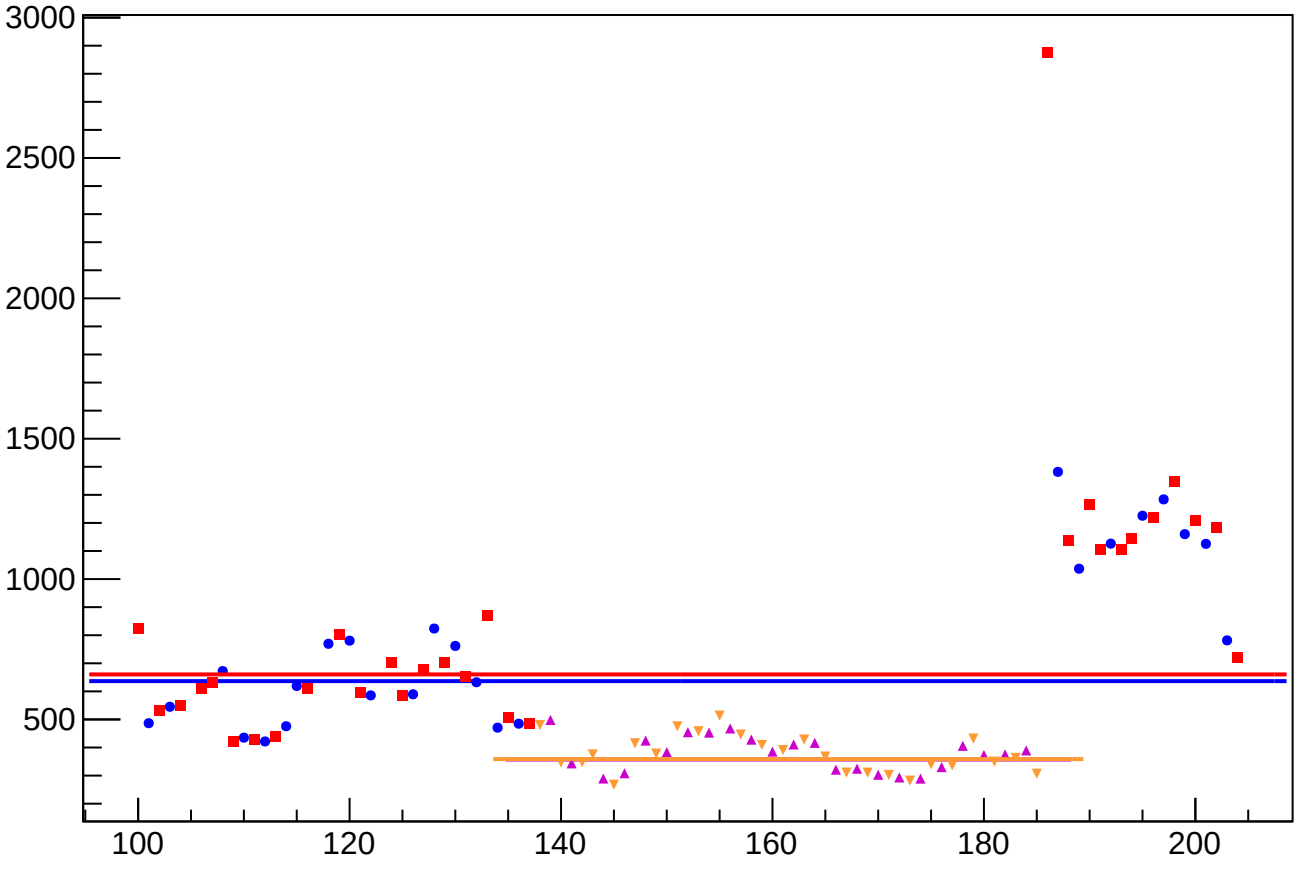
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 423.726+/-75.886 χ^2/NDF: 91.2/48

All: 255.886+/-54.019 χ^2/NDF: 149.2/101

- sign 83.472+/-76.913 χ^2/NDF: 48.0/52

asym_sam_1357_avg_rms vs Slug



Right In: 636.521+/-0.133 χ^2/NDF: 3197268.4/23

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

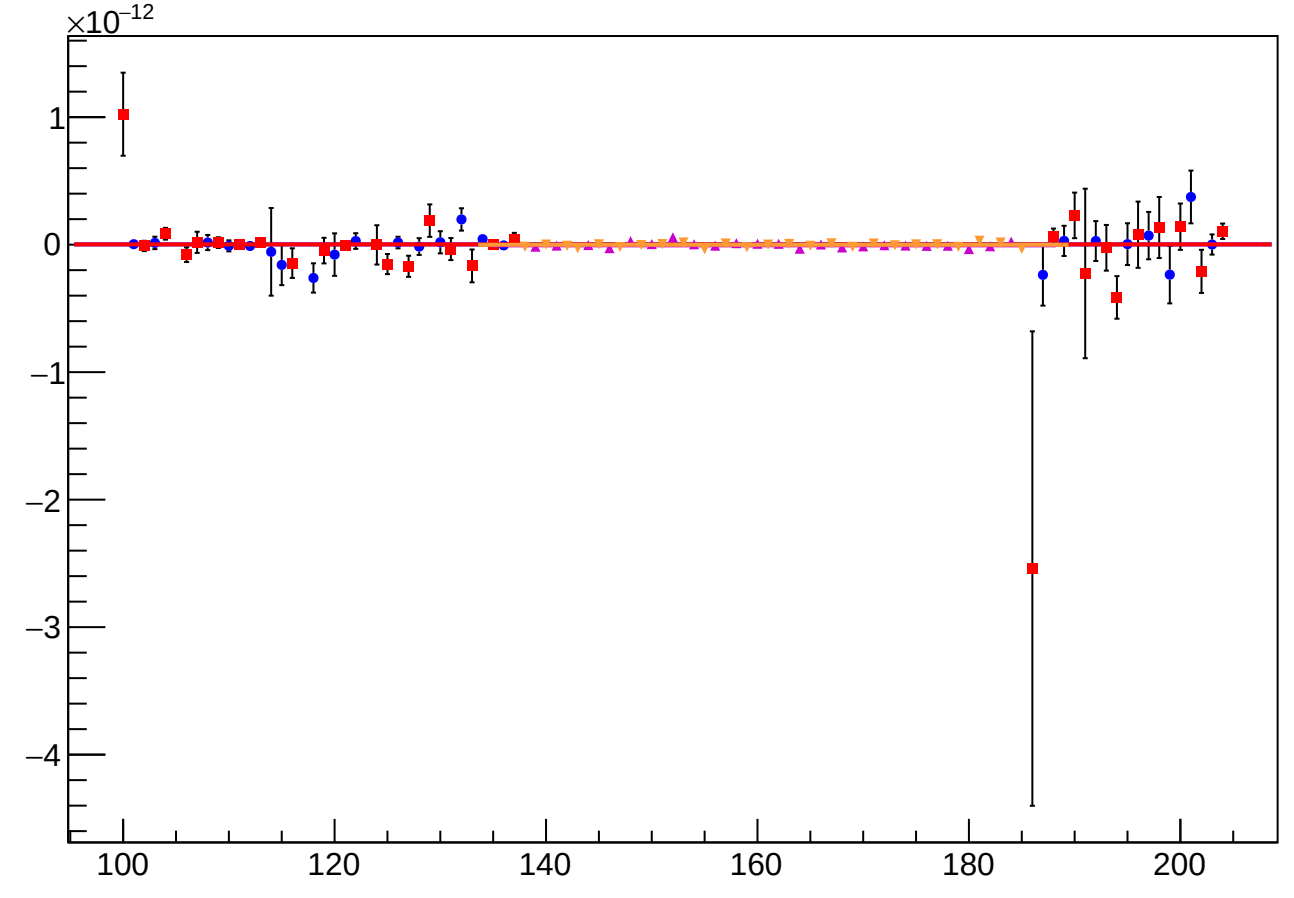
Right Out: 660.431+/-0.129 χ^2/NDF: 4351878.5/29

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 404.045+/-0.054 χ^2/NDF: 7979866.7/48

All: 407.549+/-0.038 χ^2/NDF: 17870283.2/10

- sign 411.148+/-0.054 χ^2/NDF: 9881773.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

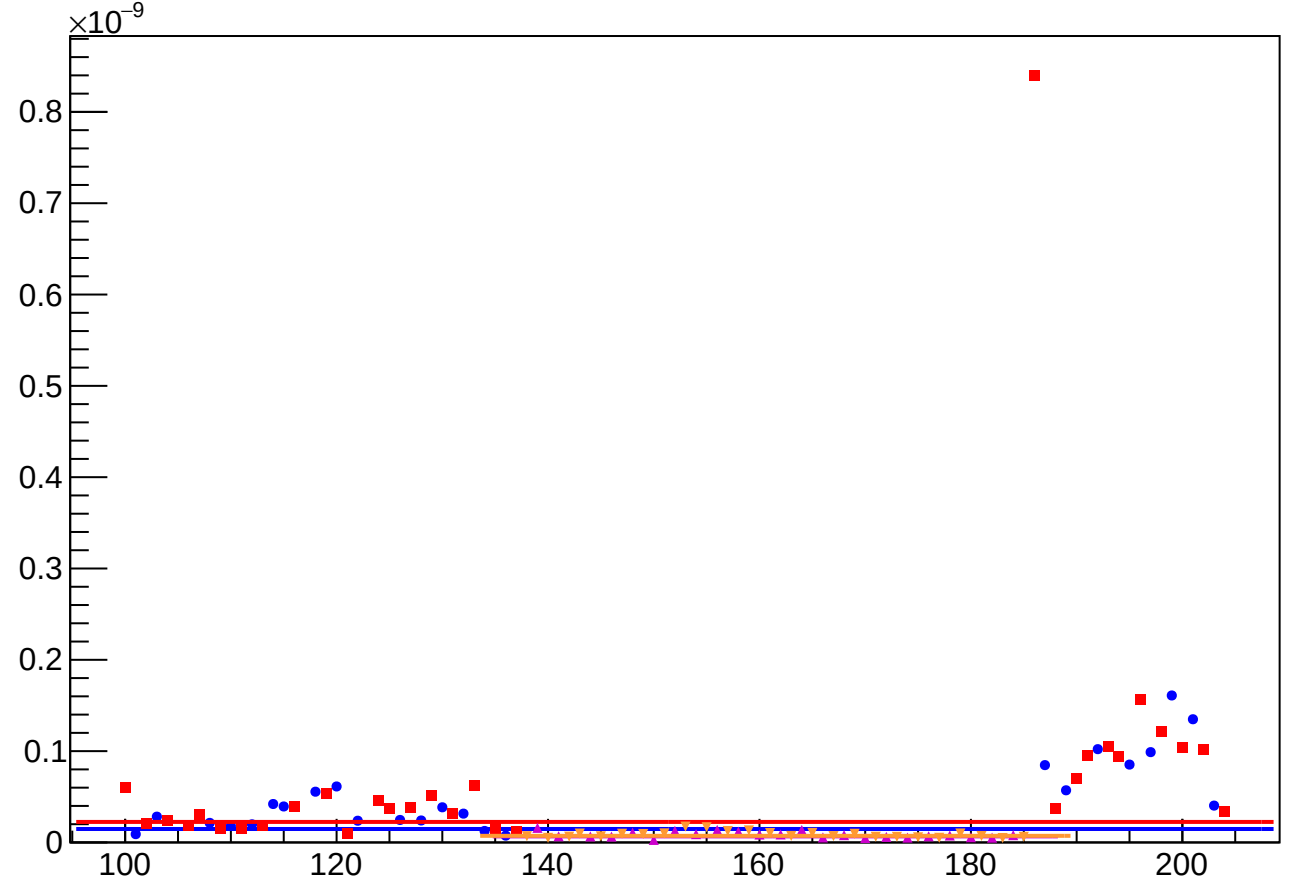
Right Out: 0.000+/-0.000 χ^2/NDF: 46.2/29

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.4/48

All: -0.000+/-0.000 χ^2/NDF: 113.9/101

- sign -0.000+/-0.000 χ^2/NDF: 75.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 5396589.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4736869.6/29

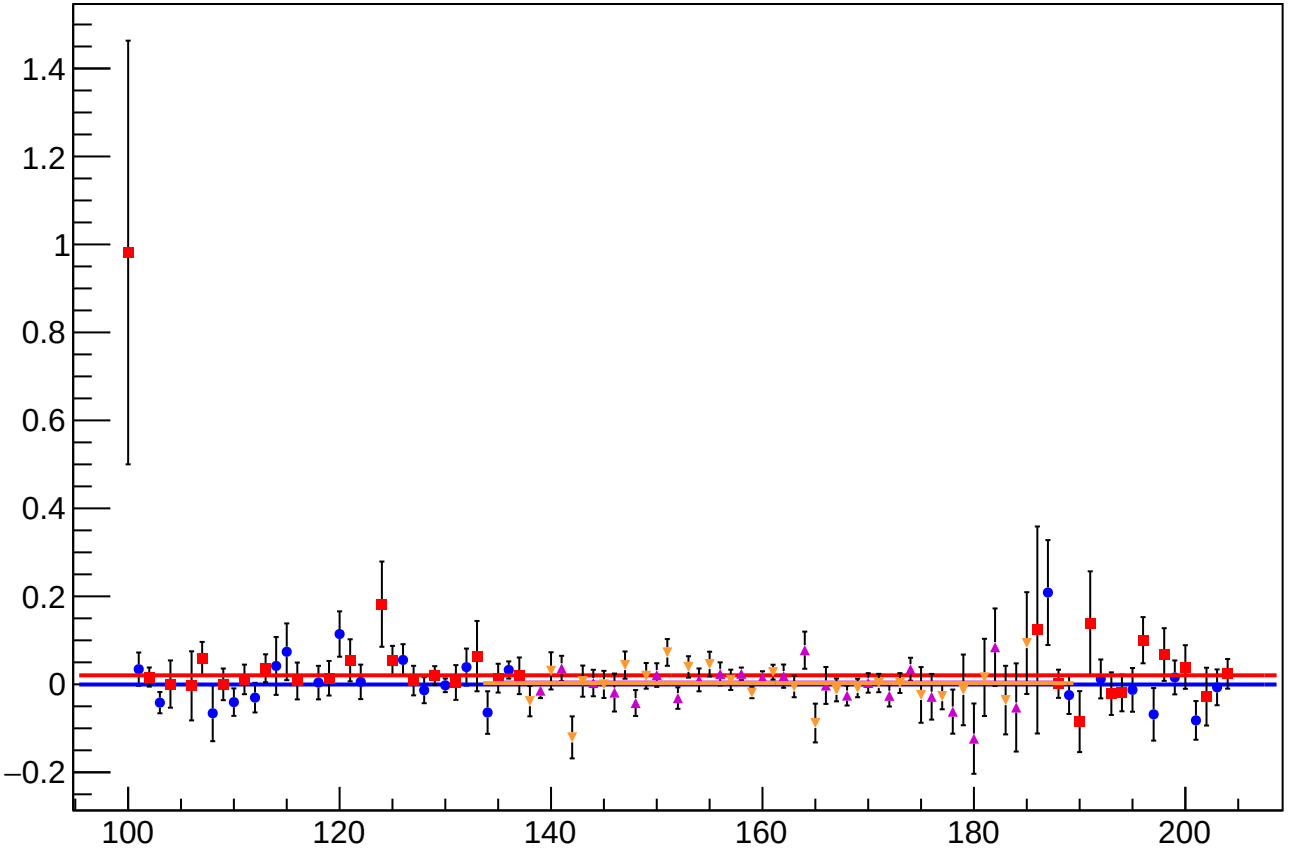
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8112302.6/48

All: 0.000+/-0.000 χ^2/NDF: 18155921.3/101

- sign 0.000+/-0.000 χ^2/NDF: 10022325.1/52

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.007 χ^2/NDF: 30.6/23

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.020+/-0.007 χ^2/NDF: 20.0/29

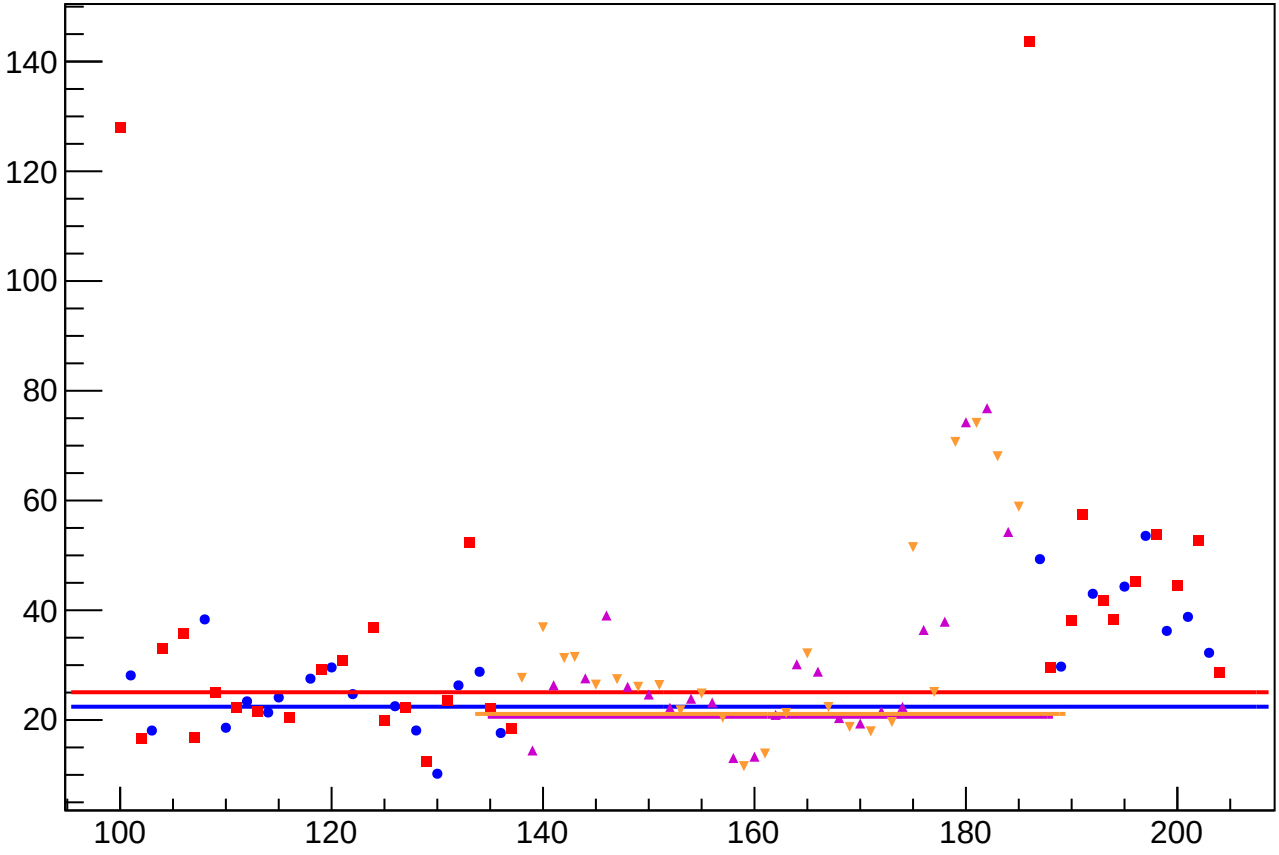
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 63.5/48

All: 0.006+/-0.003 χ^2/NDF: 113.1/101

- sign 0.010+/-0.004 χ^2/NDF: 47.8/52

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 22.423+/-0.005 χ^2/NDF: 3969934.4/23

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

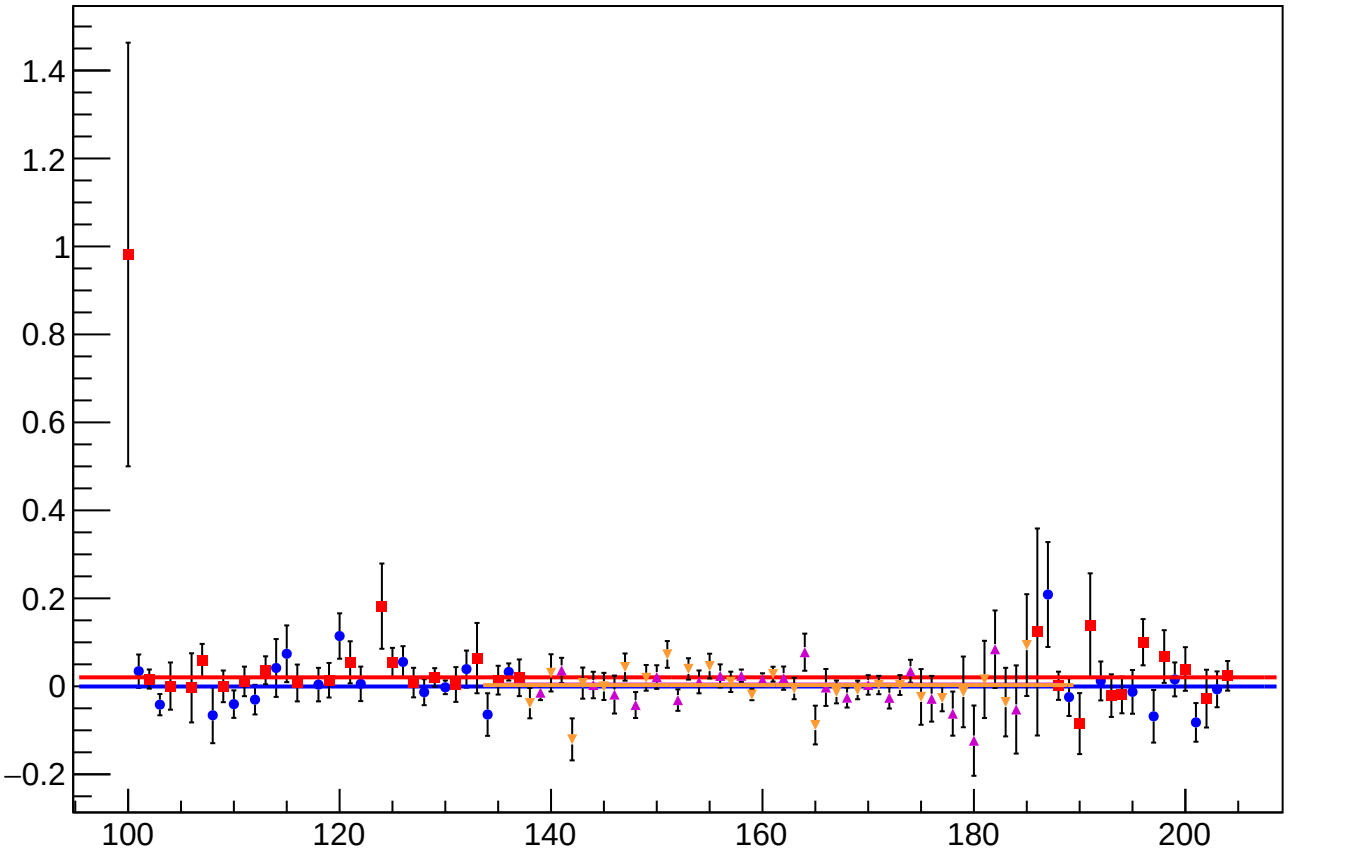
Right Out: 25.059+/-0.005 χ^2/NDF: 4449722.1/29

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 21.599+/-0.003 χ^2/NDF: 9559803.8/48

All: 21.879+/-0.002 χ^2/NDF: 19102693.9/101

- sign 22.167+/-0.003 χ^2/NDF: 9525807.7/52



Right In: -0.000+/-0.007 χ^2/NDF: 30.6/23

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.020+/-0.007 χ^2/NDF: 20.0/29

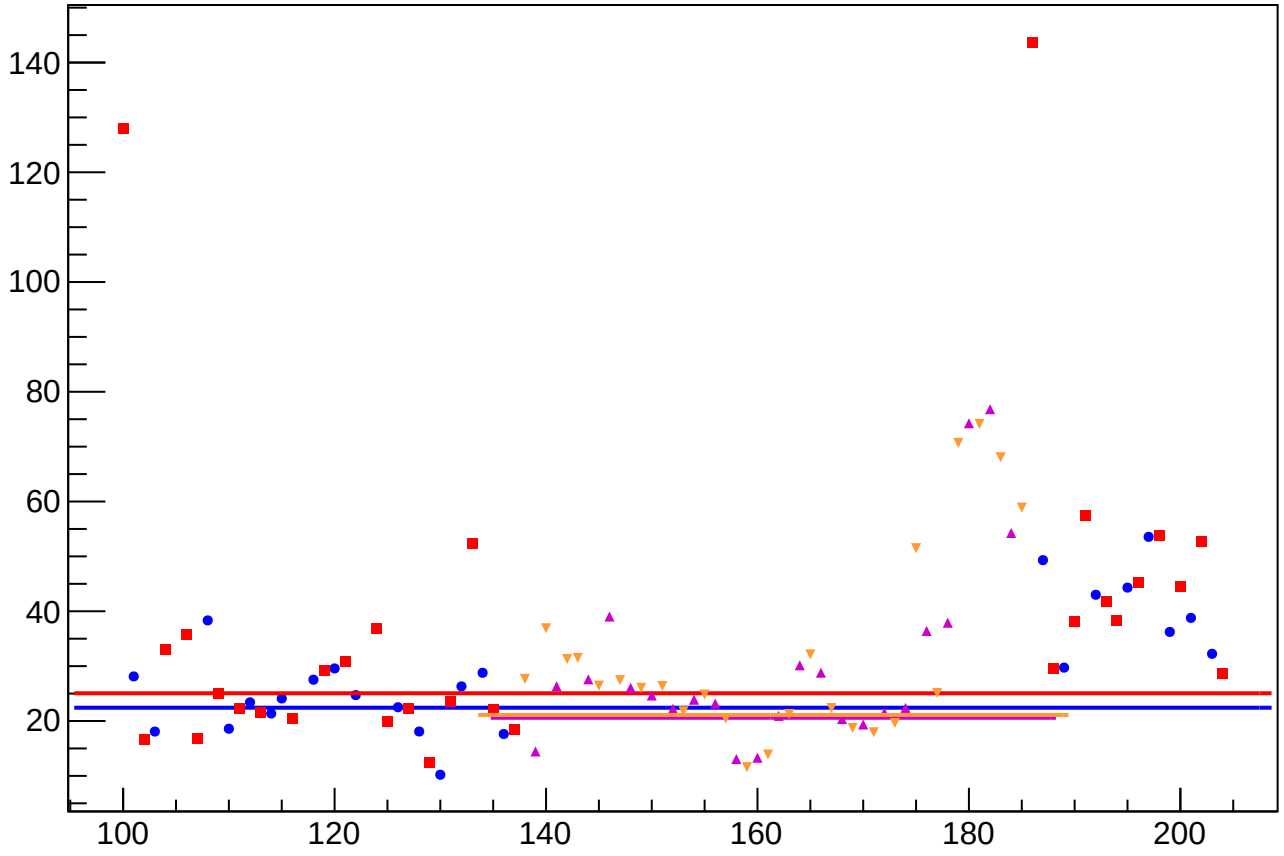
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 63.5/48

All: 0.006+/-0.003 χ^2/NDF: 113.1/101

- sign 0.010+/-0.004 χ^2/NDF: 47.8/52

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.423+/-0.005 χ^2/NDF: 3969934.4/23

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

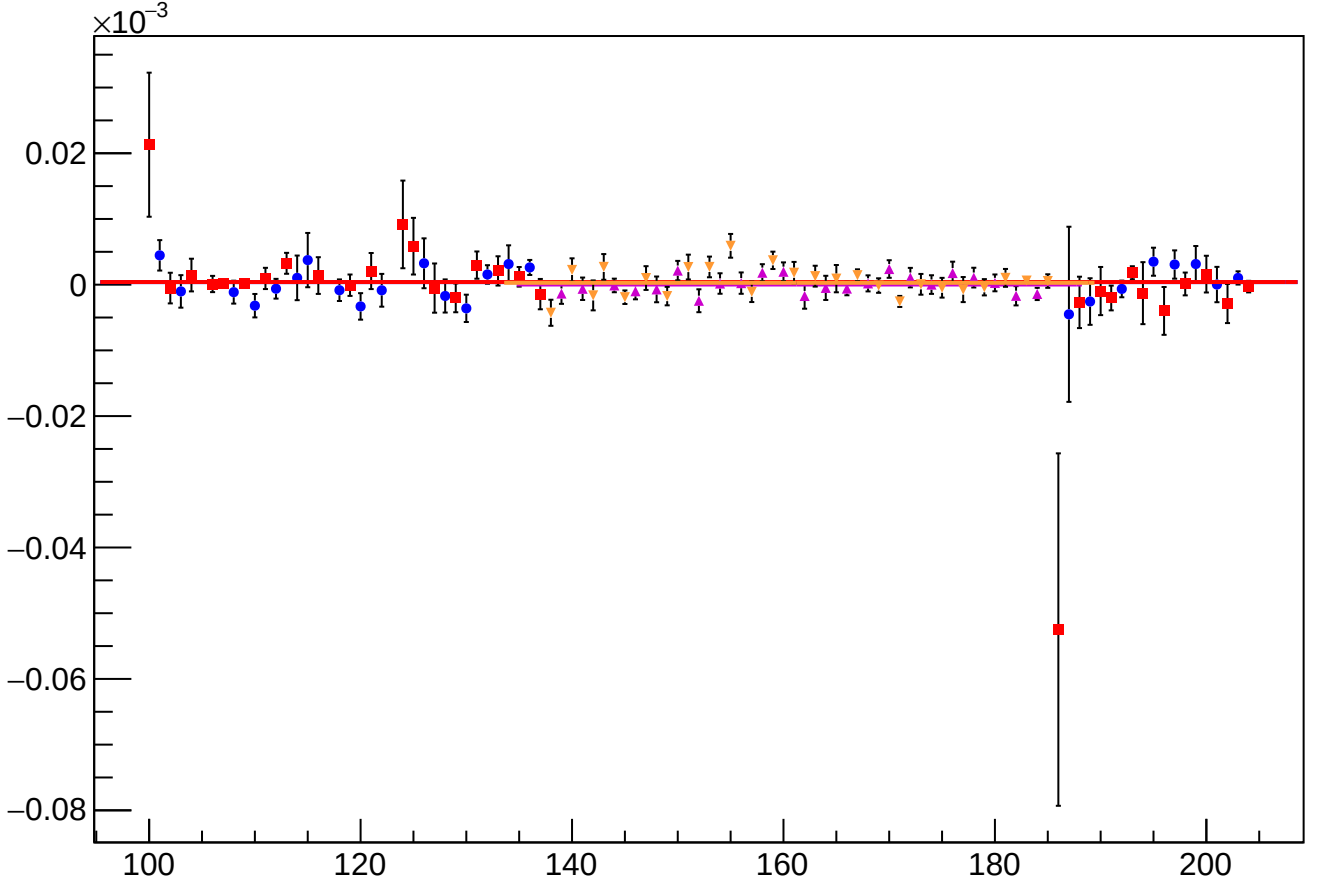
Right Out: 25.059+/-0.005 χ^2/NDF: 4449722.1/29

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 21.599+/-0.003 χ^2/NDF: 9559803.8/48

All: 21.879+/-0.002 χ^2/NDF: 19102693.9/101

- sign 22.167+/-0.003 χ^2/NDF: 9525807.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 30.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

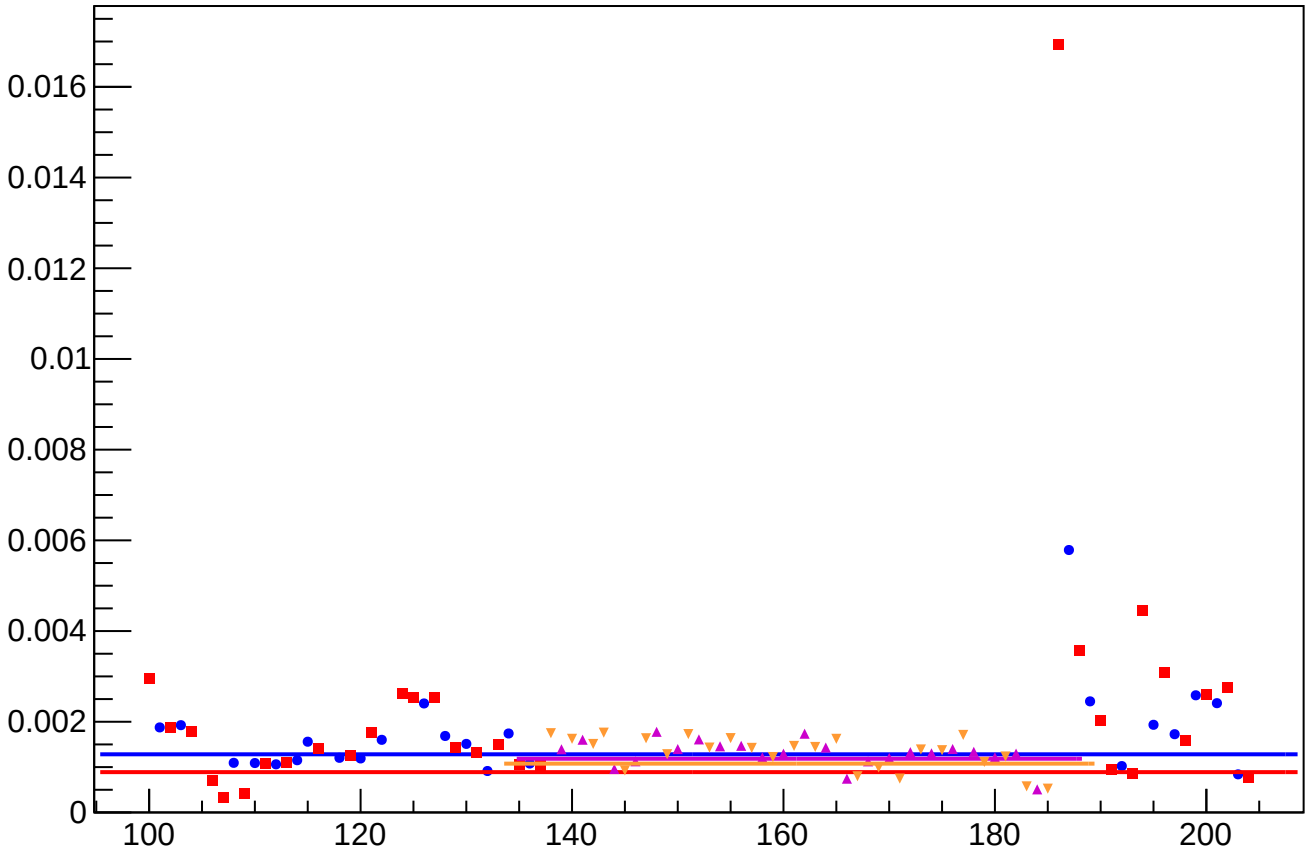
Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/29

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.2/48

All: 0.000+/-0.000 χ^2/NDF: 131.7/101

- sign 0.000+/-0.000 χ^2/NDF: 48.4/52



Right In: 0.001+/-0.000 χ^2/NDF: 2897511.7/23

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

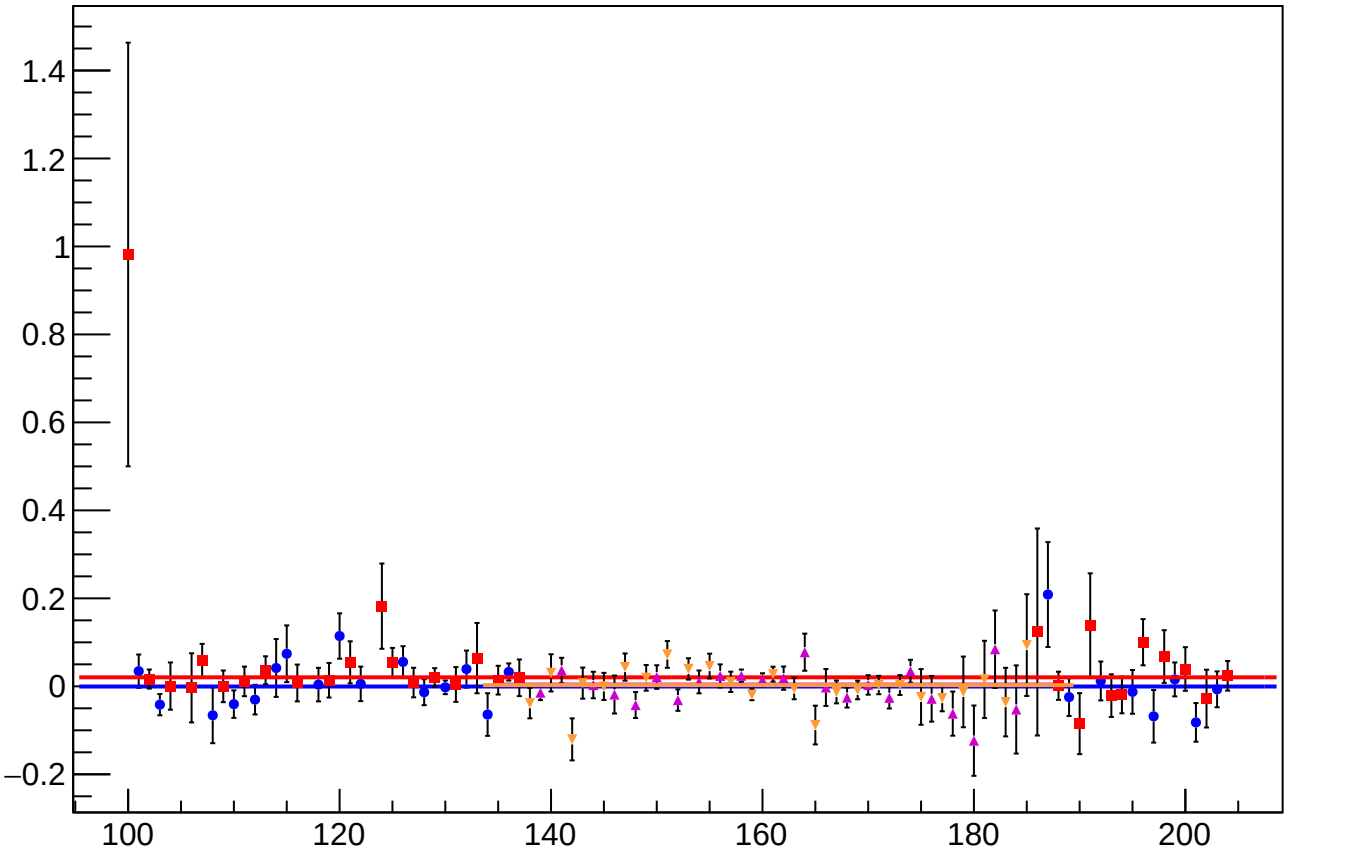
Right Out: 0.001+/-0.000 χ^2/NDF: 10585180.7/29

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 7827817.2/48

All: 0.001+/-0.000 χ^2/NDF: 22170205.8/101

- sign 0.001+/-0.000 χ^2/NDF: 14094267.3/52



Right In: -0.000+/-0.007 χ^2/NDF: 30.6/23

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.020+/-0.007 χ^2/NDF: 20.0/29

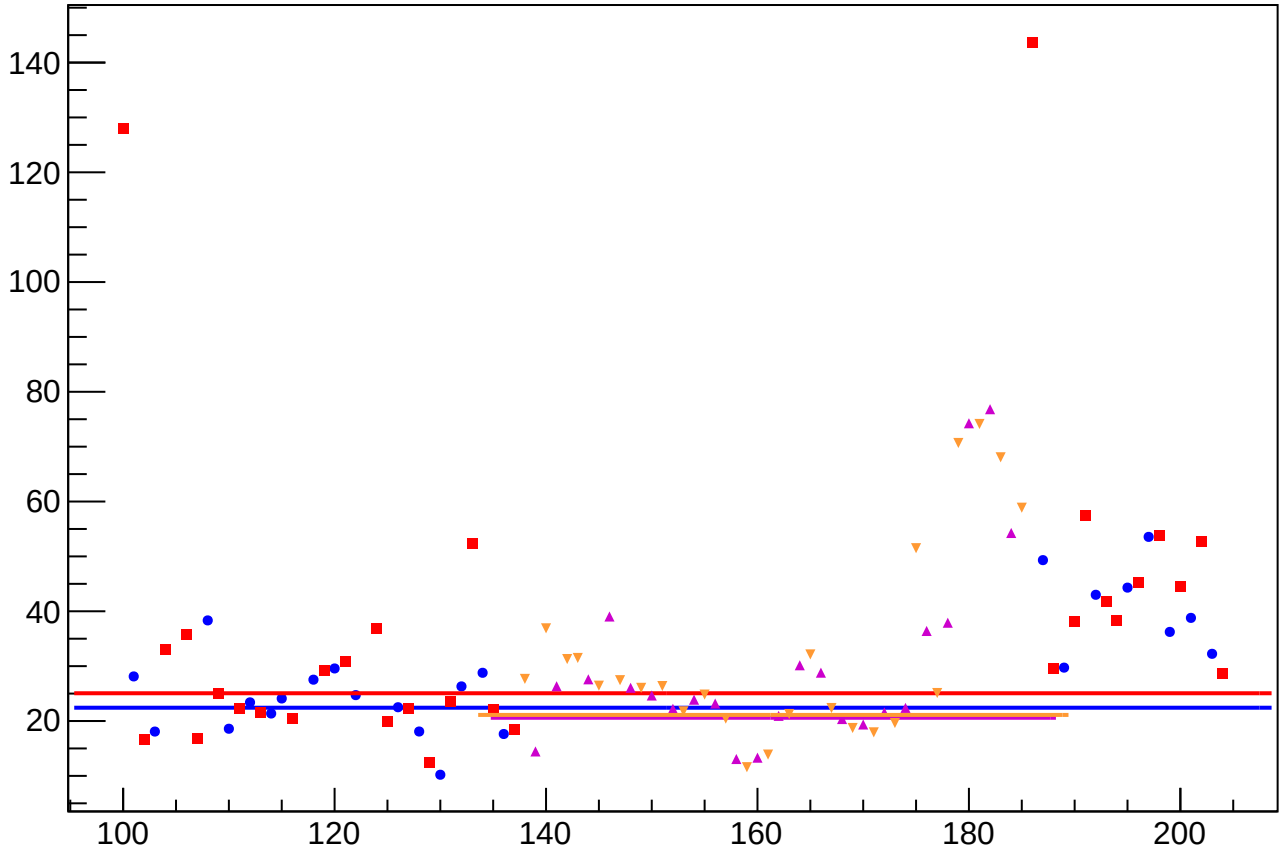
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 63.5/48

All: 0.006+/-0.003 χ^2/NDF: 113.1/101

- sign 0.010+/-0.004 χ^2/NDF: 47.8/52

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 22.423+/-0.005 χ^2/NDF: 3969714.4/23

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

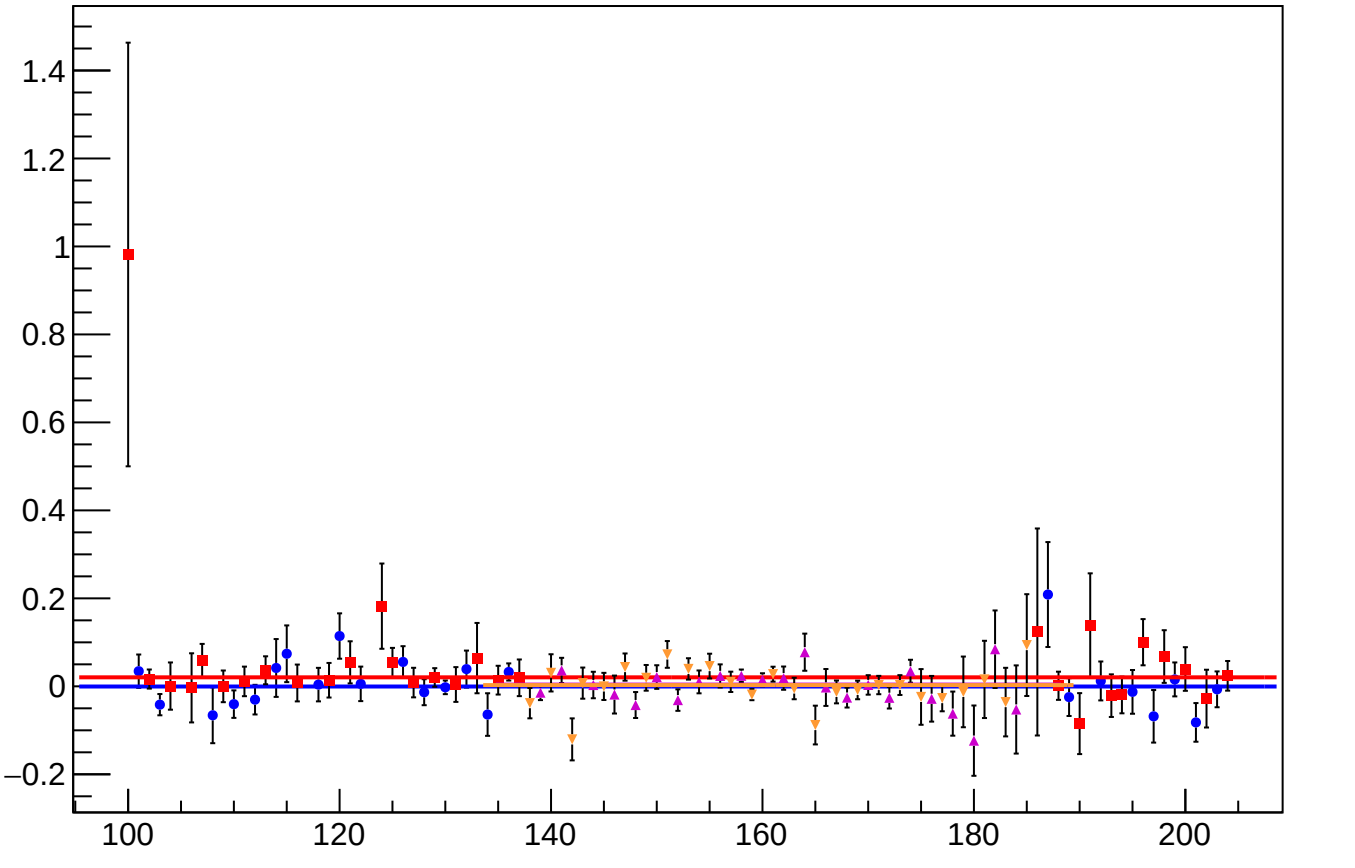
Right Out: 25.059+/-0.005 χ^2/NDF: 4449703.2/29

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 21.599+/-0.003 χ^2/NDF: 9559743.3/48

All: 21.880+/-0.002 χ^2/NDF: 19102612.8/101

- sign 22.167+/-0.003 χ^2/NDF: 9525785.0/52



Right In: -0.000+/-0.007 χ^2/NDF: 30.6/23

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

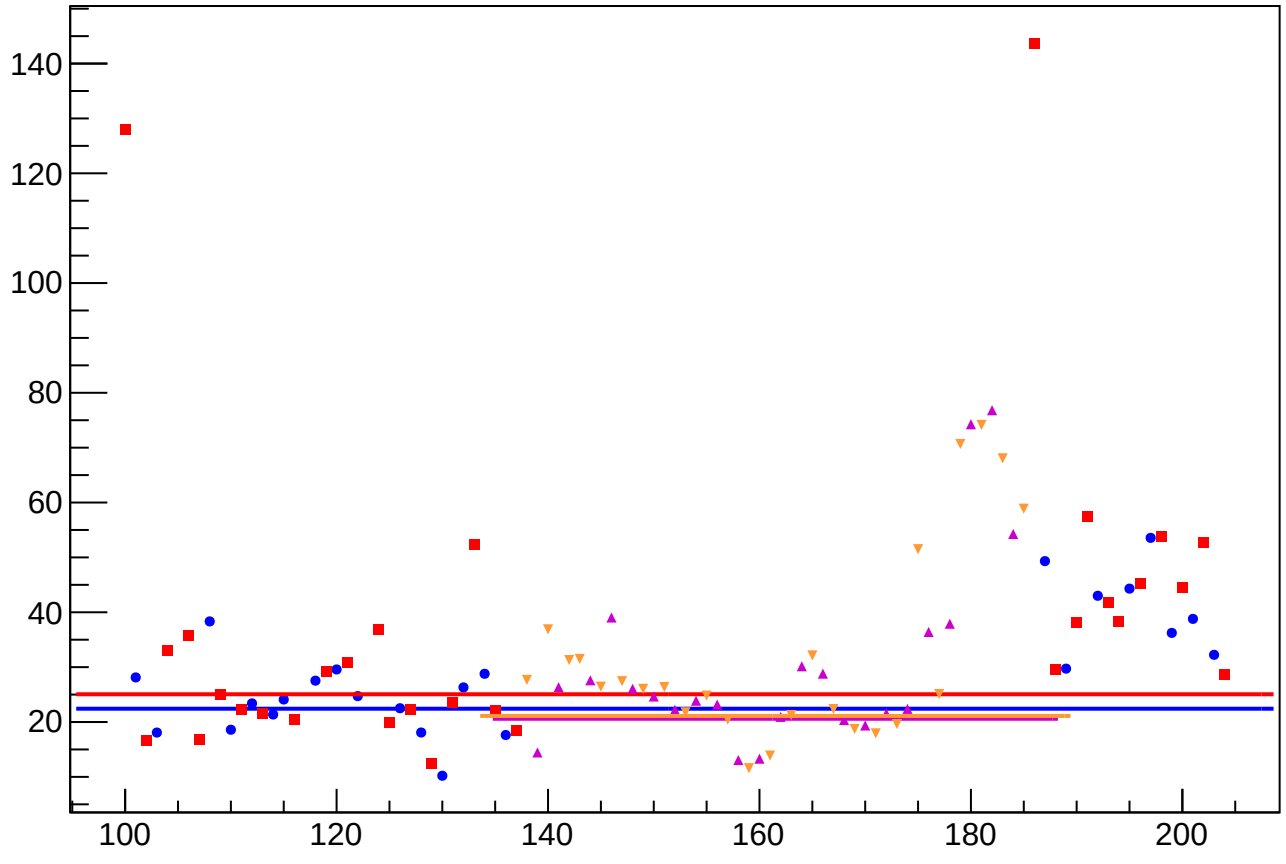
Right Out: 0.020+/-0.007 χ^2/NDF: 20.0/29

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 63.5/48

All: 0.006+/-0.003 χ^2/NDF: 113.1/101

- sign 0.010+/-0.004 χ^2/NDF: 47.8/52



Right In: 22.423+/-0.005 χ^2/NDF: 3969714.4/23

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

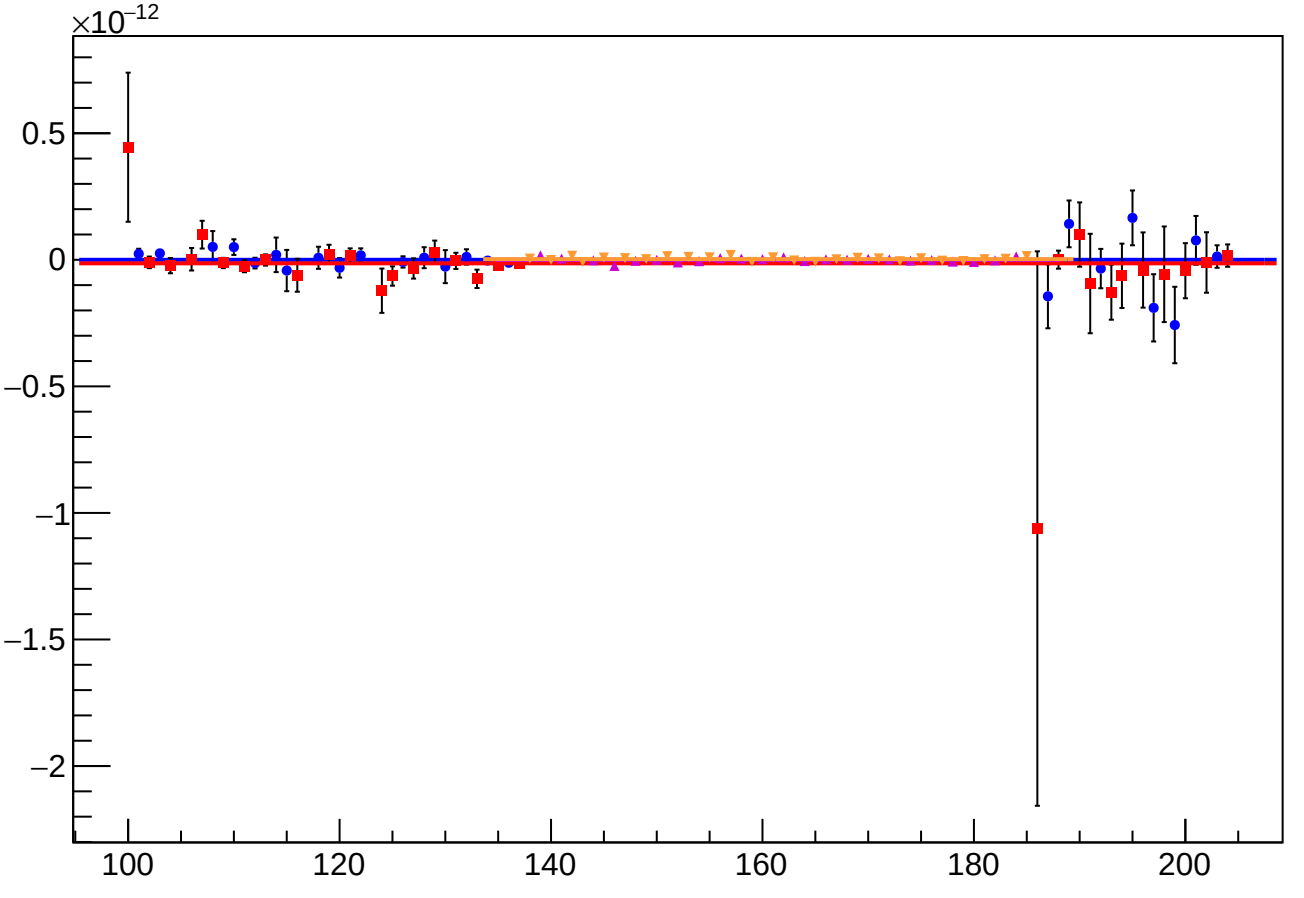
Right Out: 25.059+/-0.005 χ^2/NDF: 4449703.2/29

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 21.599+/-0.003 χ^2/NDF: 9559743.3/48

All: 21.880+/-0.002 χ^2/NDF: 19102612.8/101

- sign 22.167+/-0.003 χ^2/NDF: 9525785.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

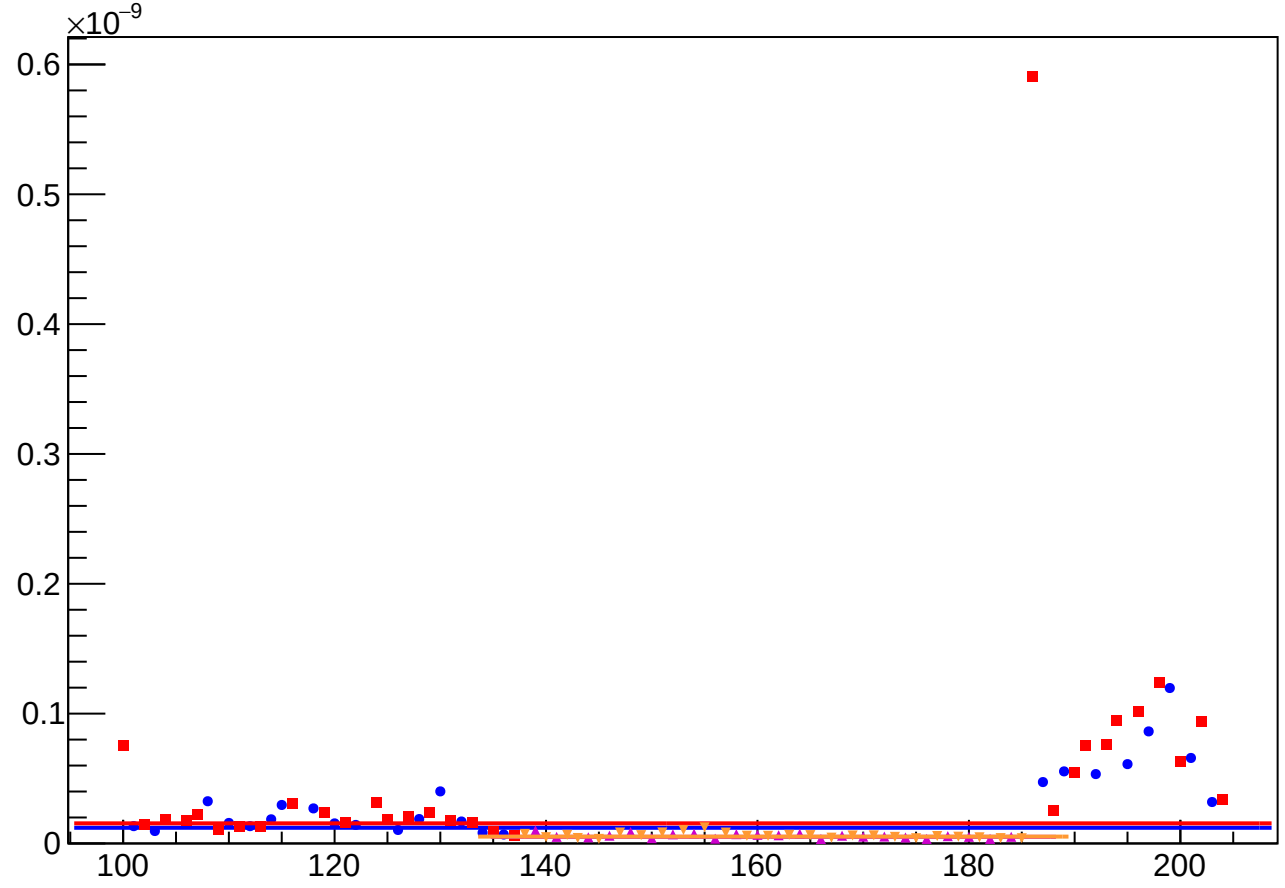
Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/29

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.2/48

All: 0.000+/-0.000 χ^2/NDF: 93.8/101

- sign -0.000+/-0.000 χ^2/NDF: 47.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 6184043.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6995352.8/29

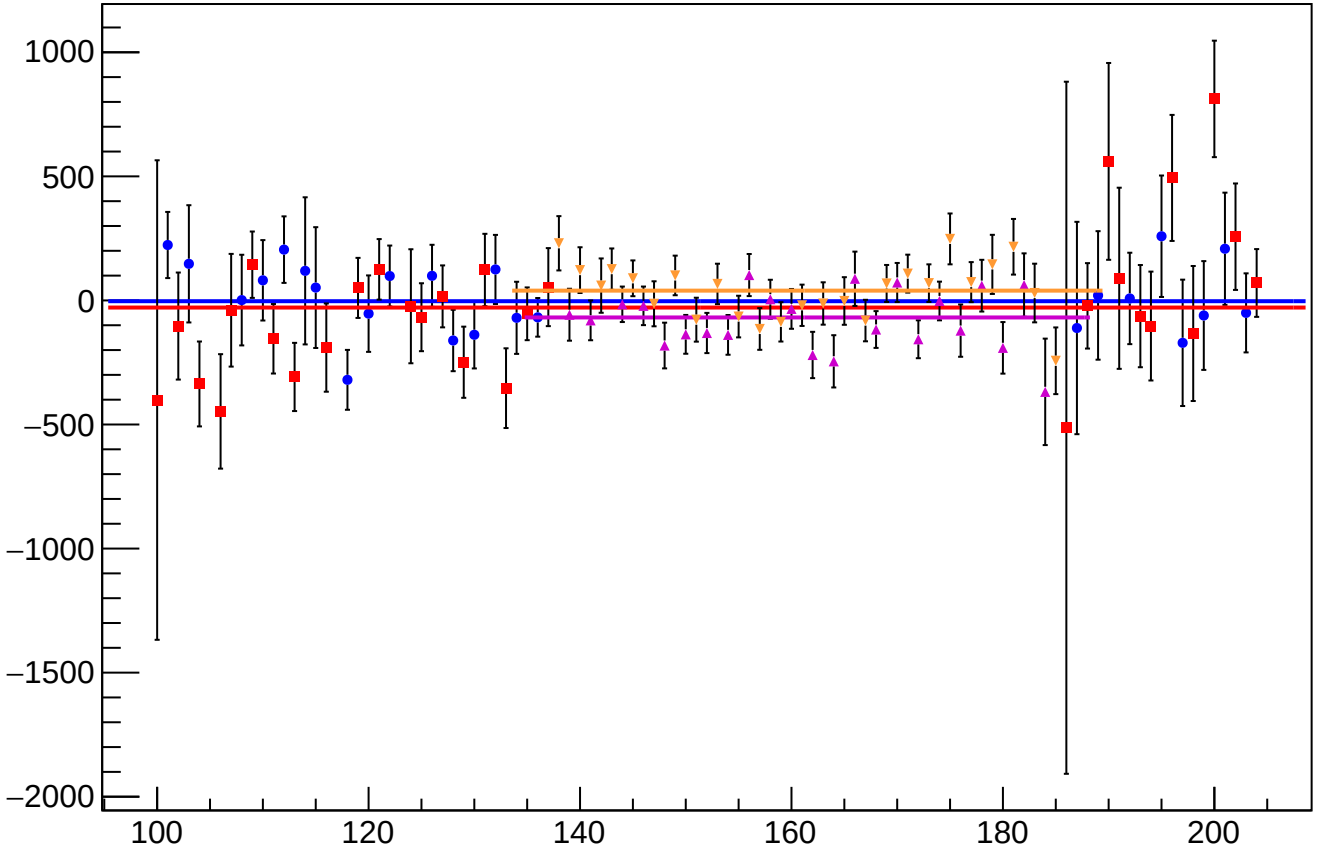
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11075519.4/48

All: 0.000+/-0.000 χ^2/NDF: 24913727.5/101

- sign 0.000+/-0.000 χ^2/NDF: 13834451.3/52

reg_asym_sam_2468_avg_mean vs Slug



Right In: -3.096+/-31.428 χ^2/NDF: 21.6/23

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -28.674+/-31.057 χ^2/NDF: 46.4/29

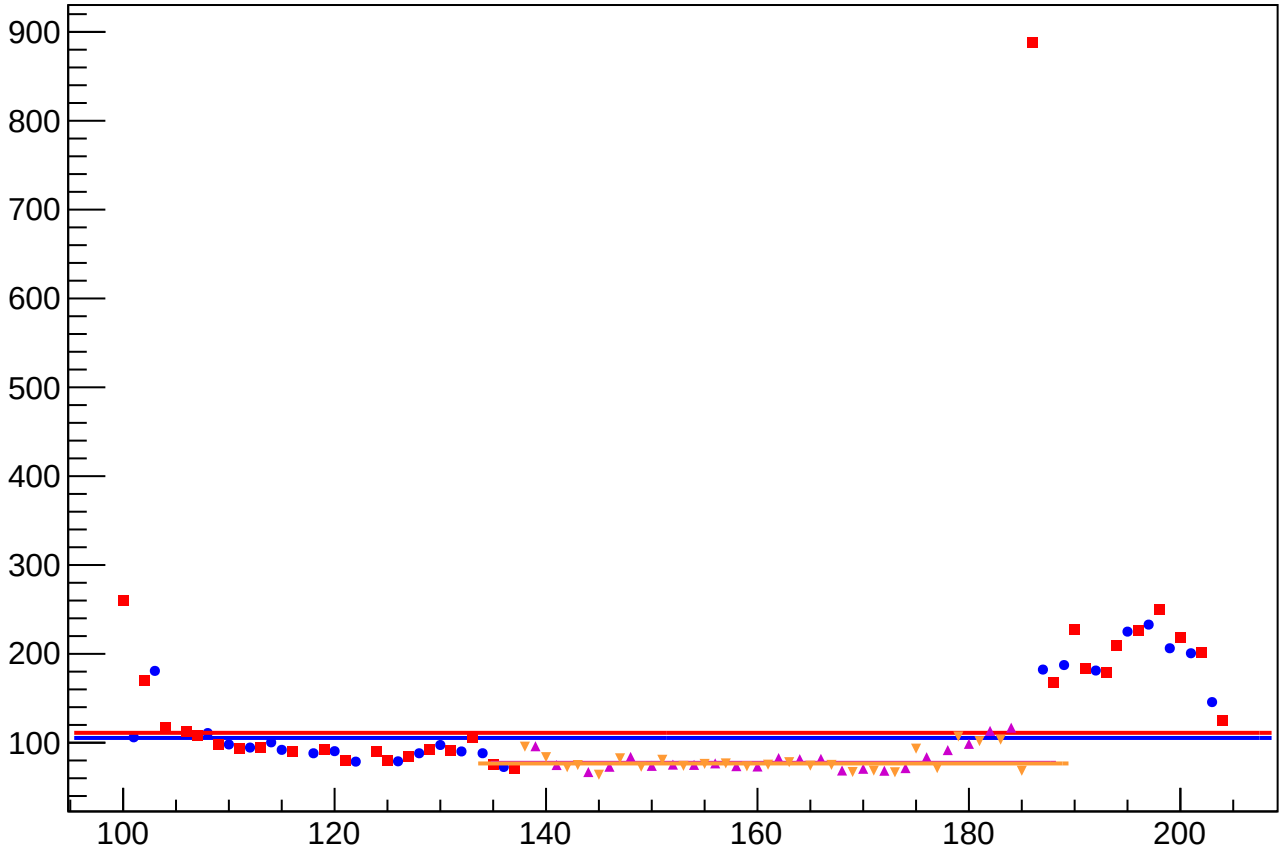
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.255+/-15.400 χ^2/NDF: 55.0/48

All: -13.468+/-11.020 χ^2/NDF: 147.4/101

- sign -58.310+/-15.777 χ^2/NDF: 76.7/52

reg_asym_sam_2468_avg_rms vs Slug



Right In: 105.358+/-0.022 χ^2/NDF: 3413705.5/23

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

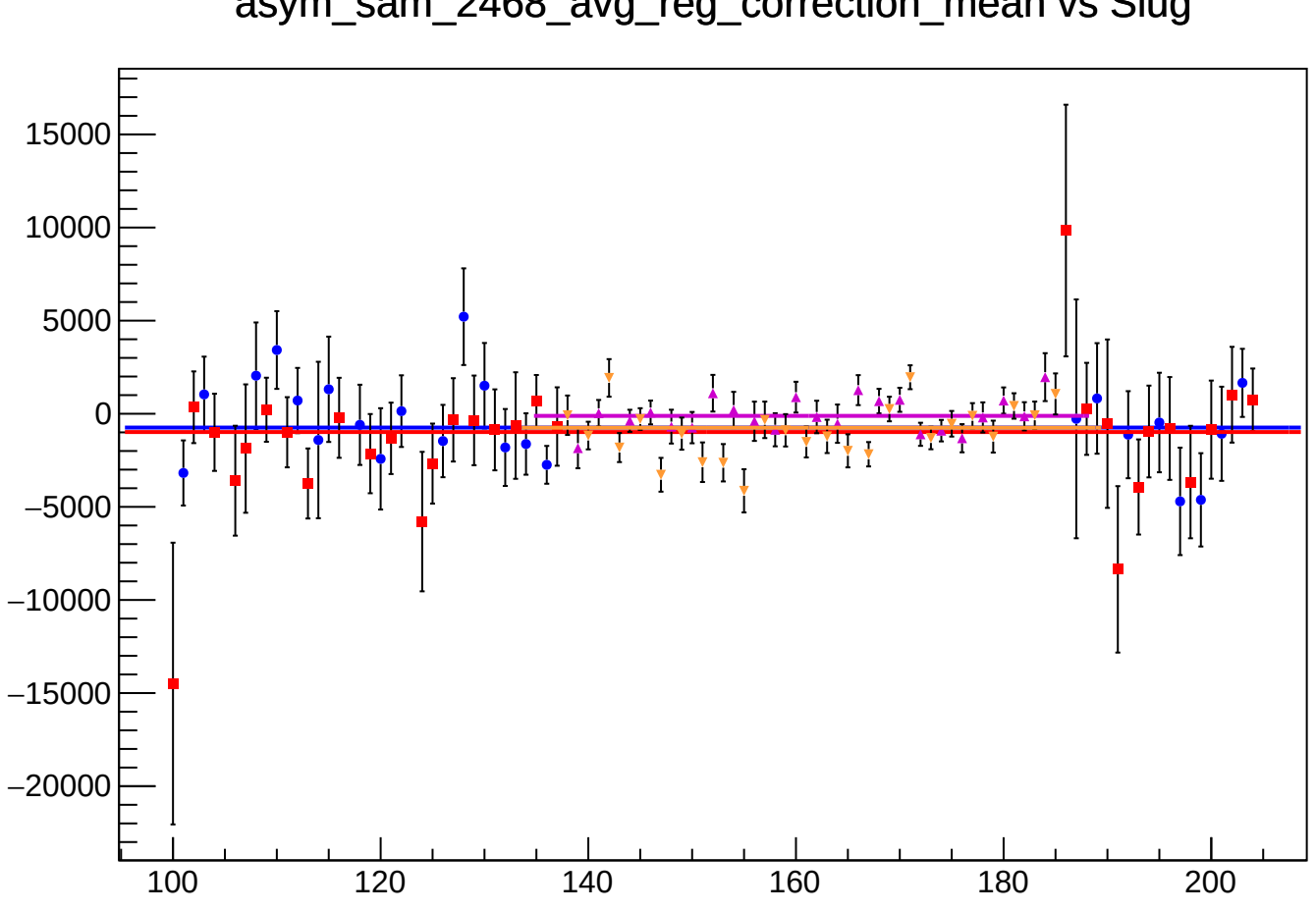
Right Out: 111.115+/-0.022 χ^2/NDF: 4571180.5/29

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 83.540+/-0.011 χ^2/NDF: 5336717.3/48

All: 84.771+/-0.008 χ^2/NDF: 12278650.2/101

- sign 86.063+/-0.011 χ^2/NDF: 6915743.1/52



Right In: -741.711+/-429.488 χ^2/NDF: 26.6/23

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -982.070+/-424.415 χ^2/NDF: 20.8/29

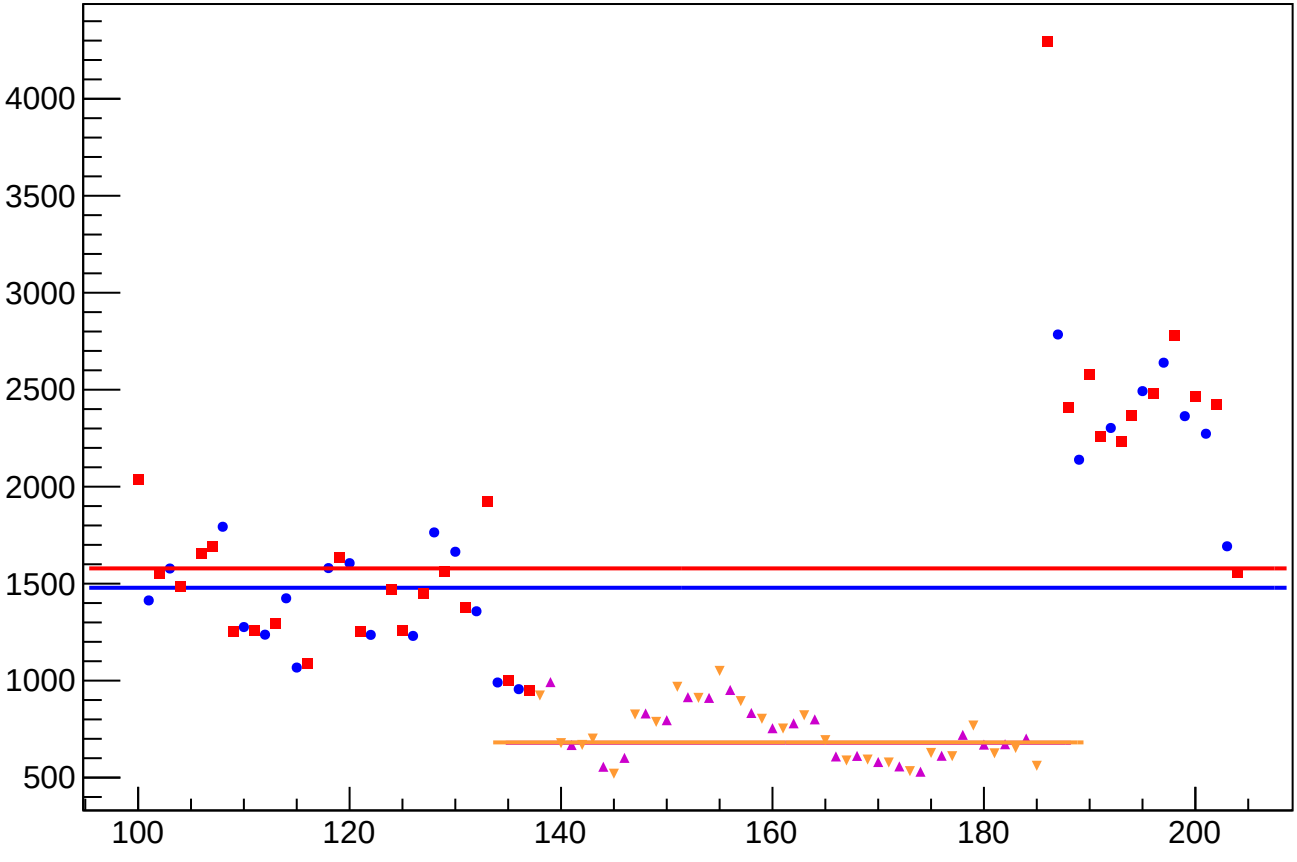
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -748.695+/-148.351 χ^2/NDF: 96.6/48

All: -491.320+/-105.891 χ^2/NDF: 152.3/101

- sign -223.989+/-151.194 χ^2/NDF: 49.5/52

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1478.748+/-0.304 χ^2/NDF: 2470125.7/23

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1578.684+/-0.300 χ^2/NDF: 2970999.5/29

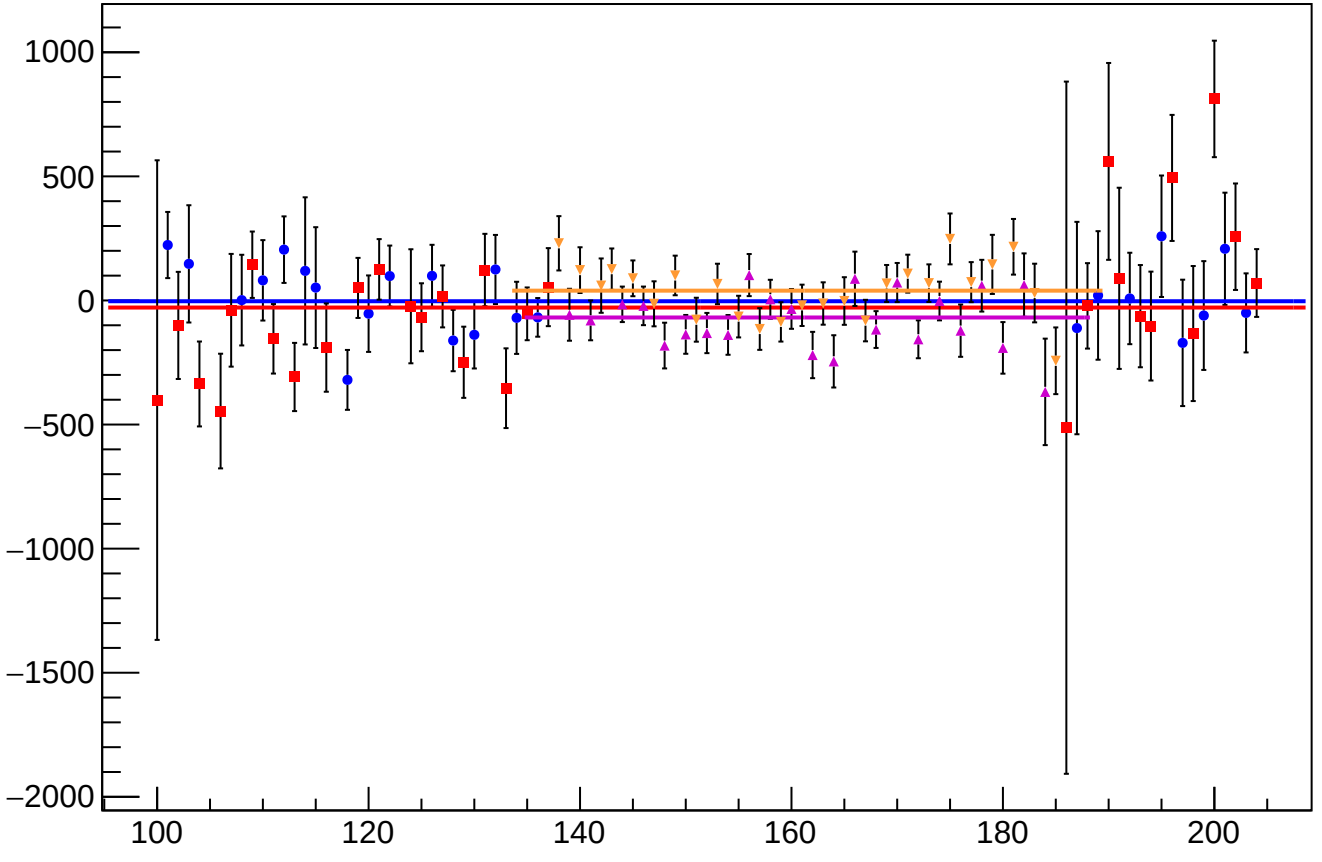
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

\+ sign 776.556+/-0.105 χ^2/NDF: 9874747.7/48

All: 784.885+/-0.075 χ^2/NDF: 21883374.6/10

\- sign 793.537+/-0.107 χ^2/NDF: 11995773.4/52

cor_asym_sam_2468_avg_mean vs Slug



Right In: -3.104+/-31.428 χ^2/NDF: 21.6/23

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -28.559+/-31.058 χ^2/NDF: 46.4/29

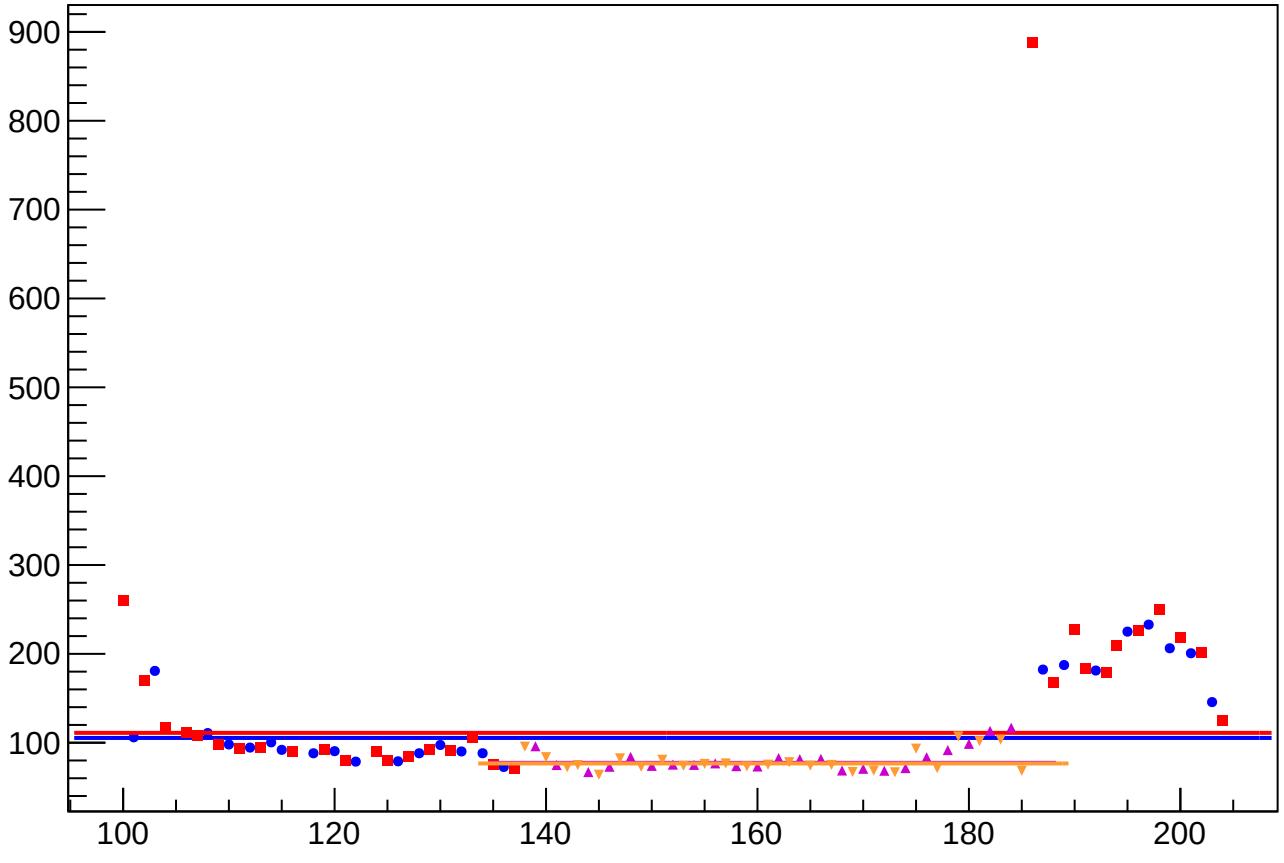
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.259+/-15.400 χ^2/NDF: 55.0/48

All: -13.451+/-11.020 χ^2/NDF: 147.3/101

- sign -58.281+/-15.777 χ^2/NDF: 76.6/52

cor_asym_sam_2468_avg_rms vs Slug



Right In: 105.358+/-0.022 χ^2/NDF: 3413709.1/23

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

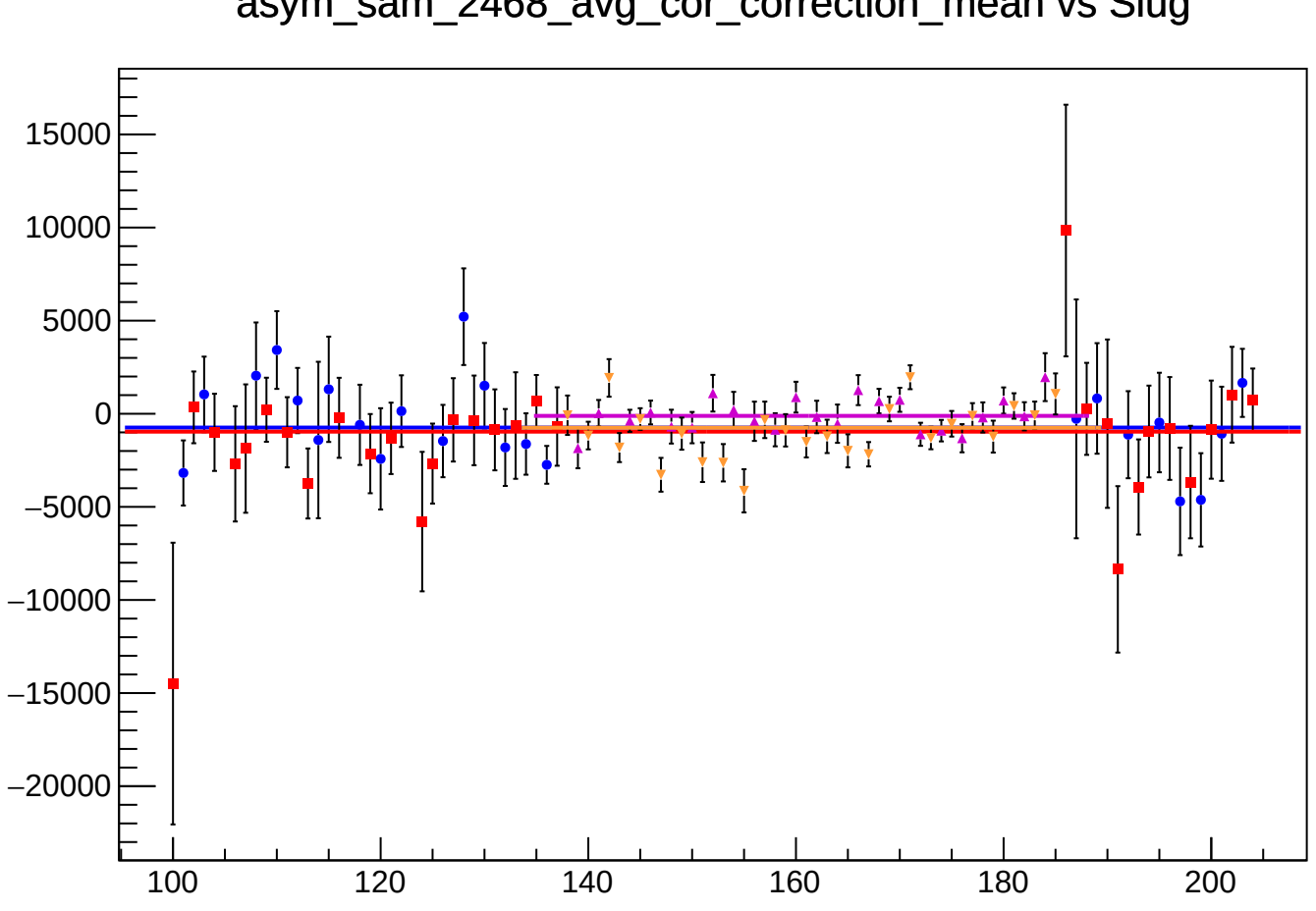
Right Out: 111.092+/-0.022 χ^2/NDF: 4571331.0/29

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 83.540+/-0.011 χ^2/NDF: 5336720.9/48

All: 84.768+/-0.008 χ^2/NDF: 12276107.4/101

- sign 86.056+/-0.011 χ^2/NDF: 6913334.8/52



Right In: -741.682+/-429.489 χ^2/NDF: 26.6/23

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -960.470+/-424.832 χ^2/NDF: 20.3/29

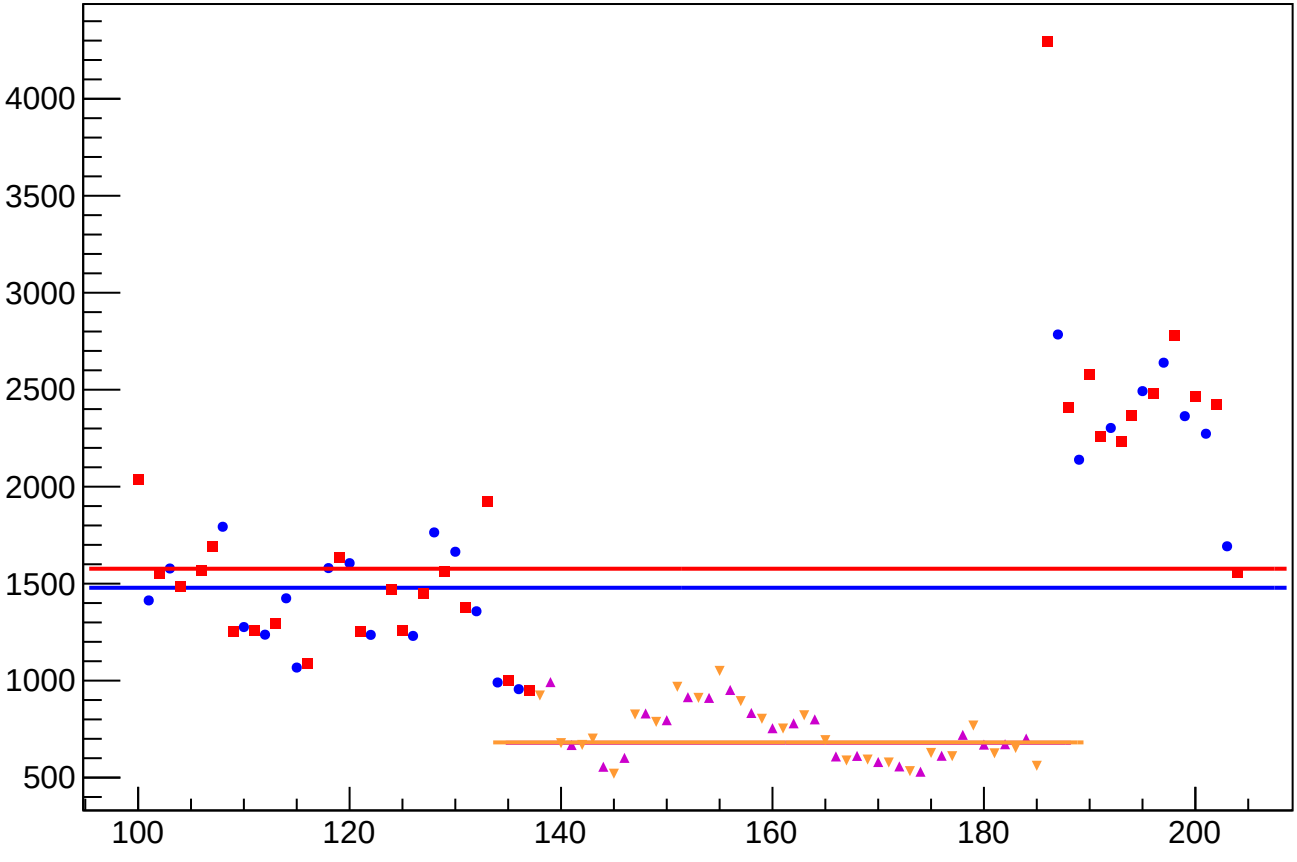
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -748.684+/-148.351 χ^2/NDF: 96.6/48

All: -489.912+/-105.897 χ^2/NDF: 151.7/101

- sign -221.063+/-151.212 χ^2/NDF: 48.9/52

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1478.752+/-0.304 χ^2/NDF: 2470140.0/23

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1576.963+/-0.300 χ^2/NDF: 2969616.6/29

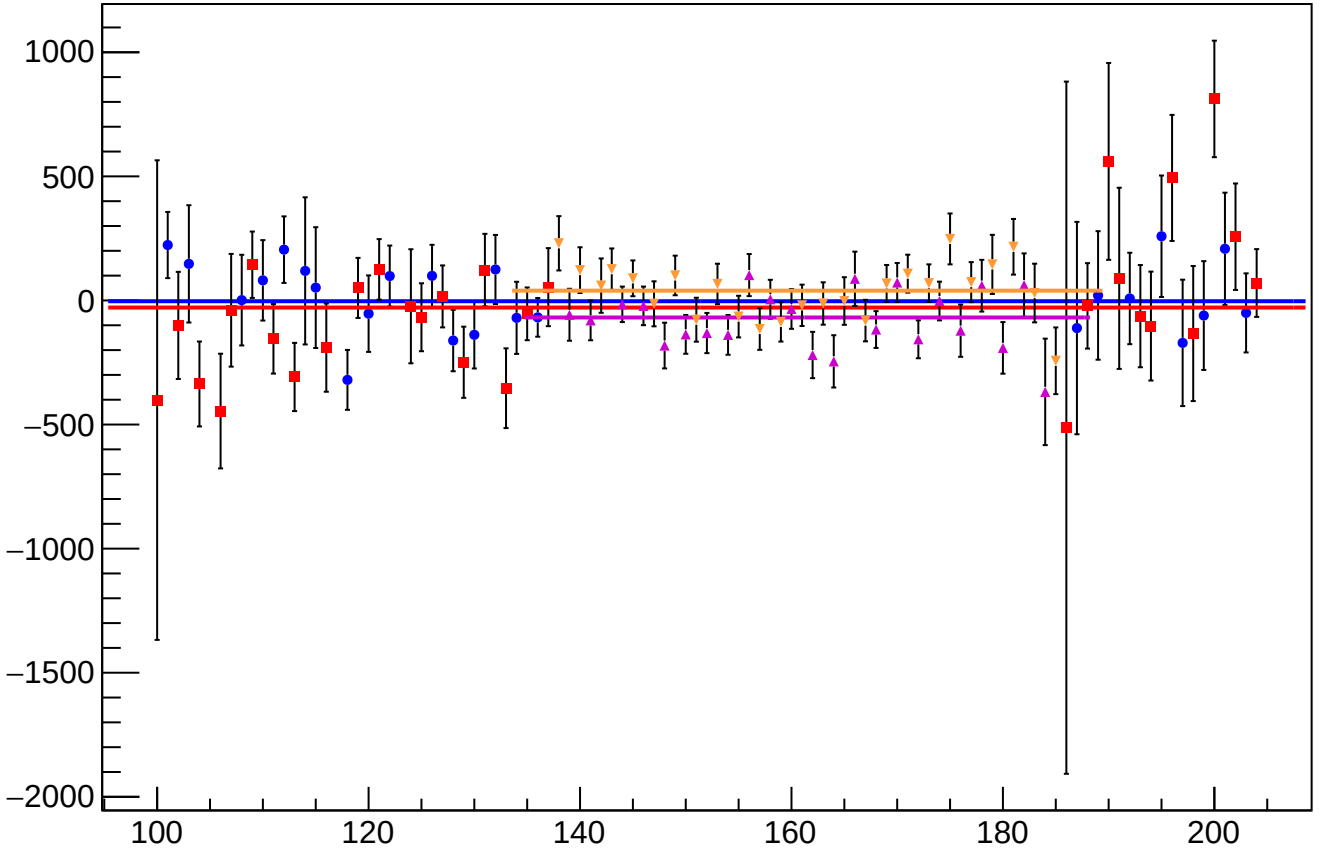
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 776.555+/-0.105 χ^2/NDF: 9874793.3/48

All: 784.681+/-0.075 χ^2/NDF: 21838054.6/10

- sign 793.123+/-0.107 χ^2/NDF: 11951027.0/52

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -3.104+/-31.428 χ^2/NDF: 21.6/23

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -28.559+/-31.058 χ^2/NDF: 46.4/29

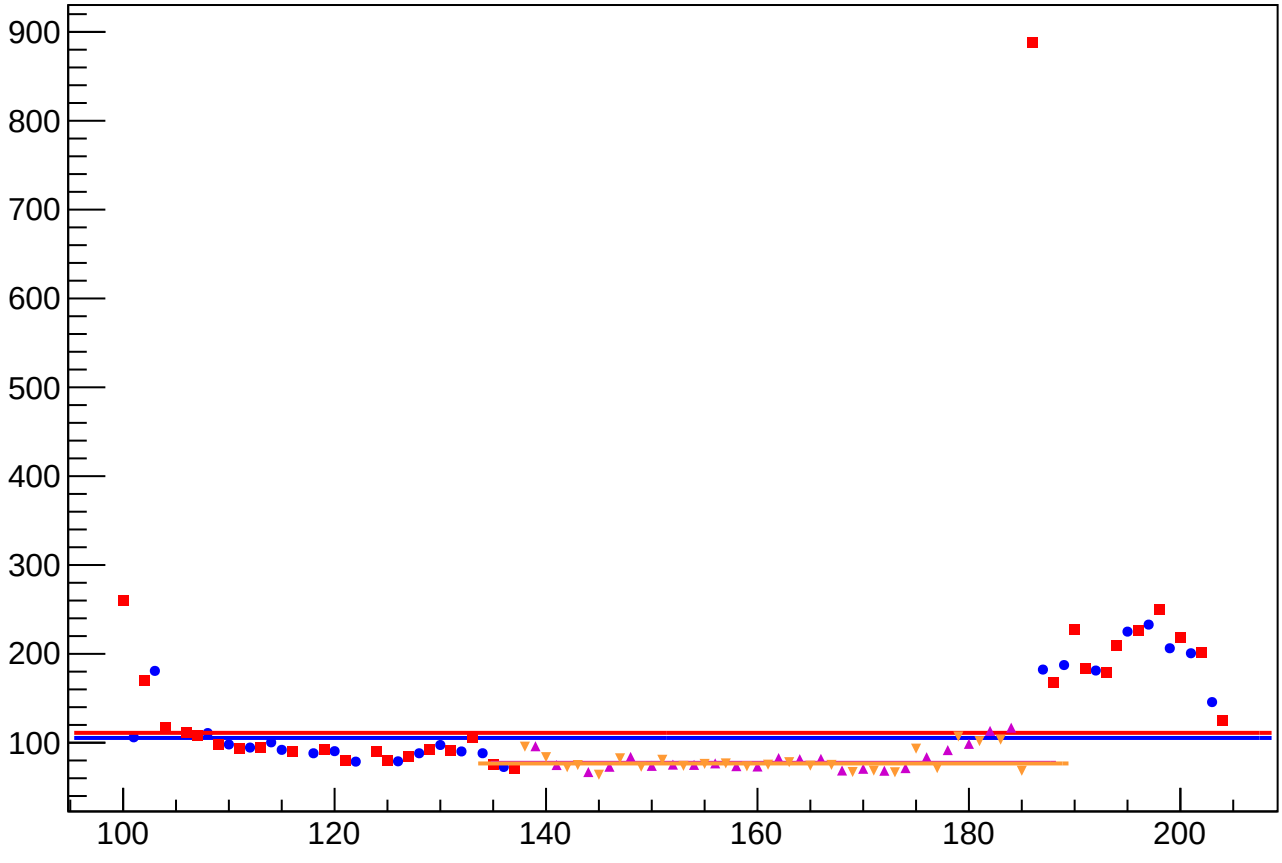
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.259+/-15.400 χ^2/NDF: 55.0/48

All: -13.451+/-11.020 χ^2/NDF: 147.3/101

- sign -58.281+/-15.777 χ^2/NDF: 76.6/52

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 105.358+/-0.022 χ^2/NDF: 3413709.1/23

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

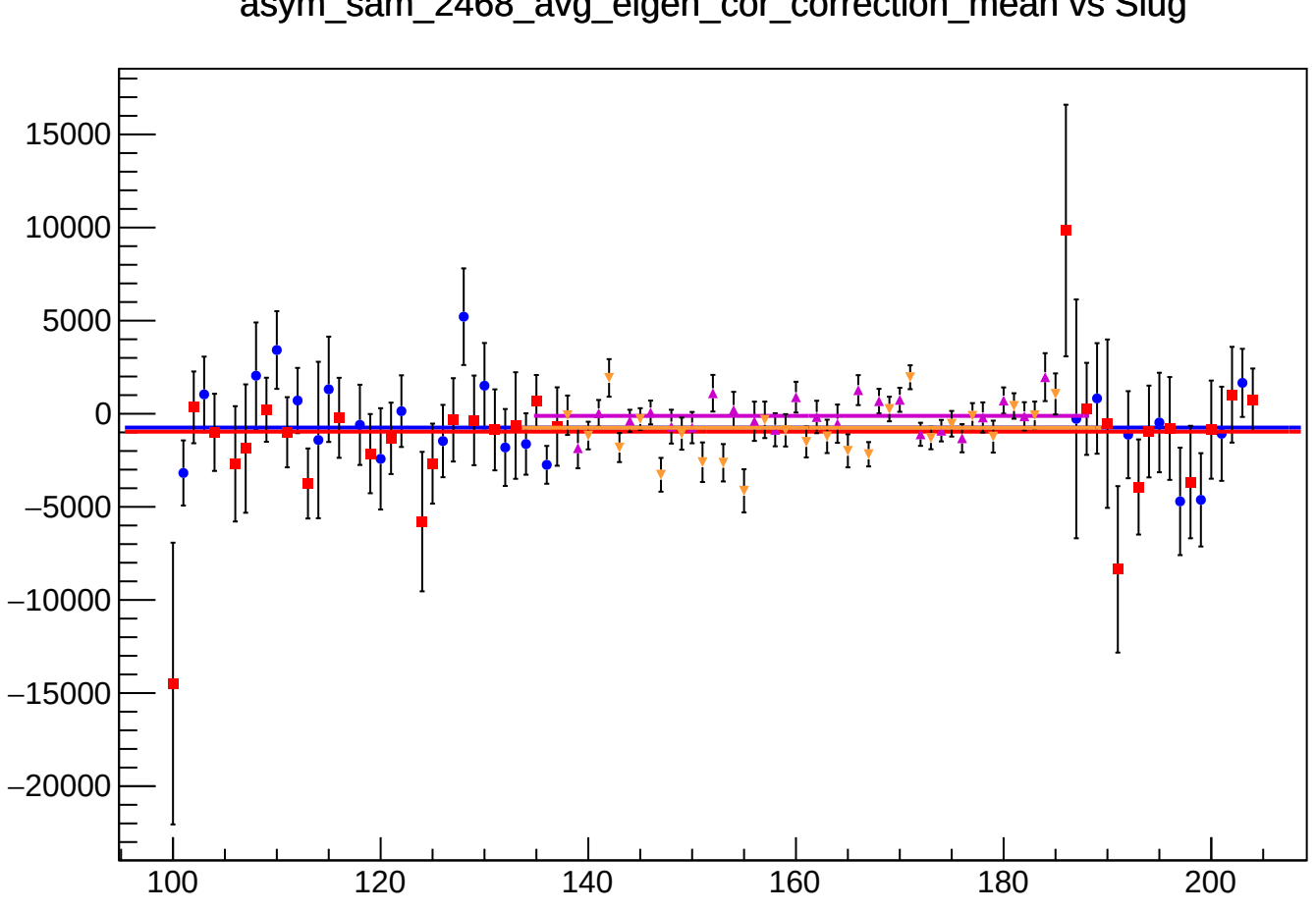
Right Out: 111.092+/-0.022 χ^2/NDF: 4571331.0/29

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 83.540+/-0.011 χ^2/NDF: 5336720.9/48

All: 84.768+/-0.008 χ^2/NDF: 12276107.4/101

- sign 86.056+/-0.011 χ^2/NDF: 6913334.8/52



Right In: -741.682+/-429.489 χ^2/NDF: 26.6/23

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

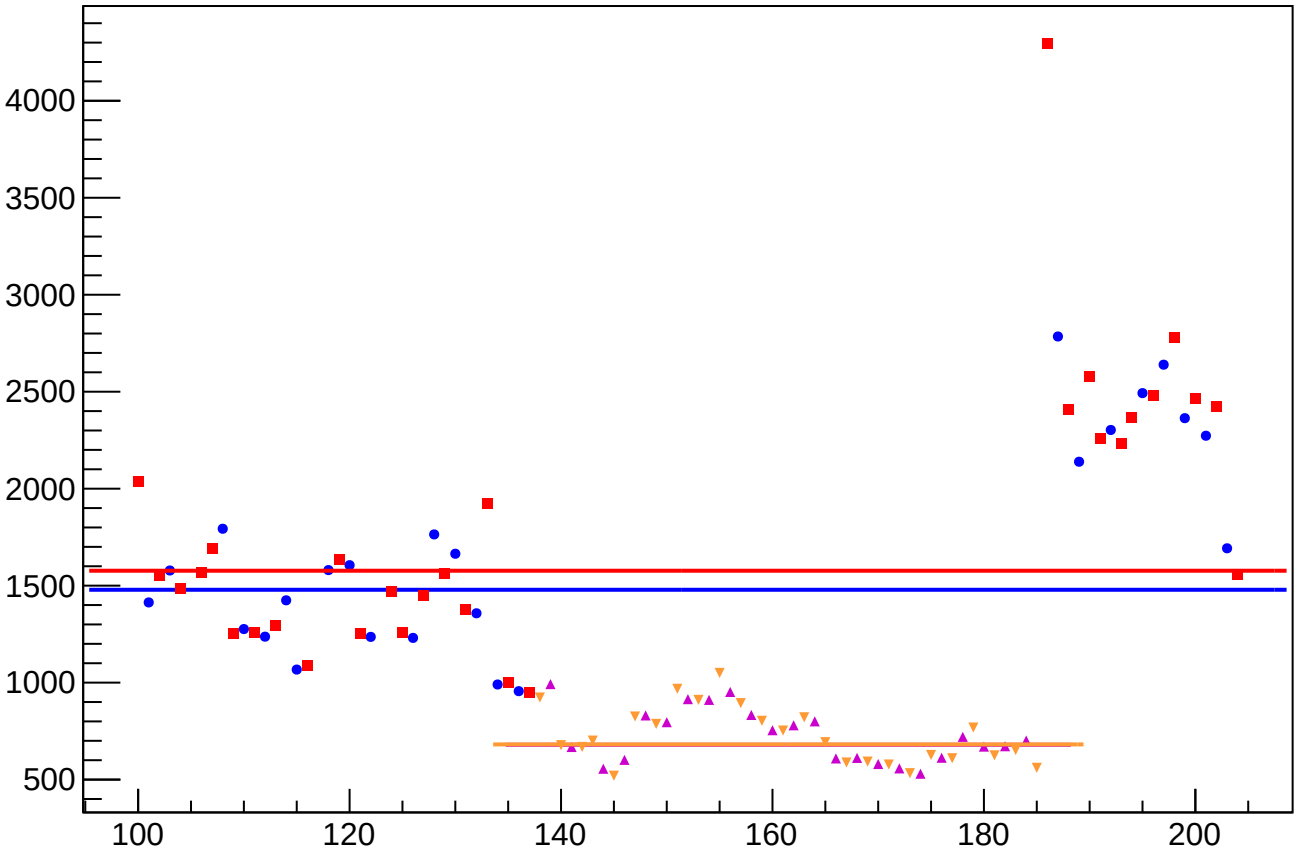
Right Out: -960.470+/-424.832 χ^2/NDF: 20.3/29

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -748.684+/-148.351 χ^2/NDF: 96.6/48

All: -489.912+/-105.897 χ^2/NDF: 151.7/101

- sign -221.063+/-151.212 χ^2/NDF: 48.9/52



Right In: 1478.752+/-0.304 χ^2/NDF: 2470140.0/23

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1576.963+/-0.300 χ^2/NDF: 2969616.6/29

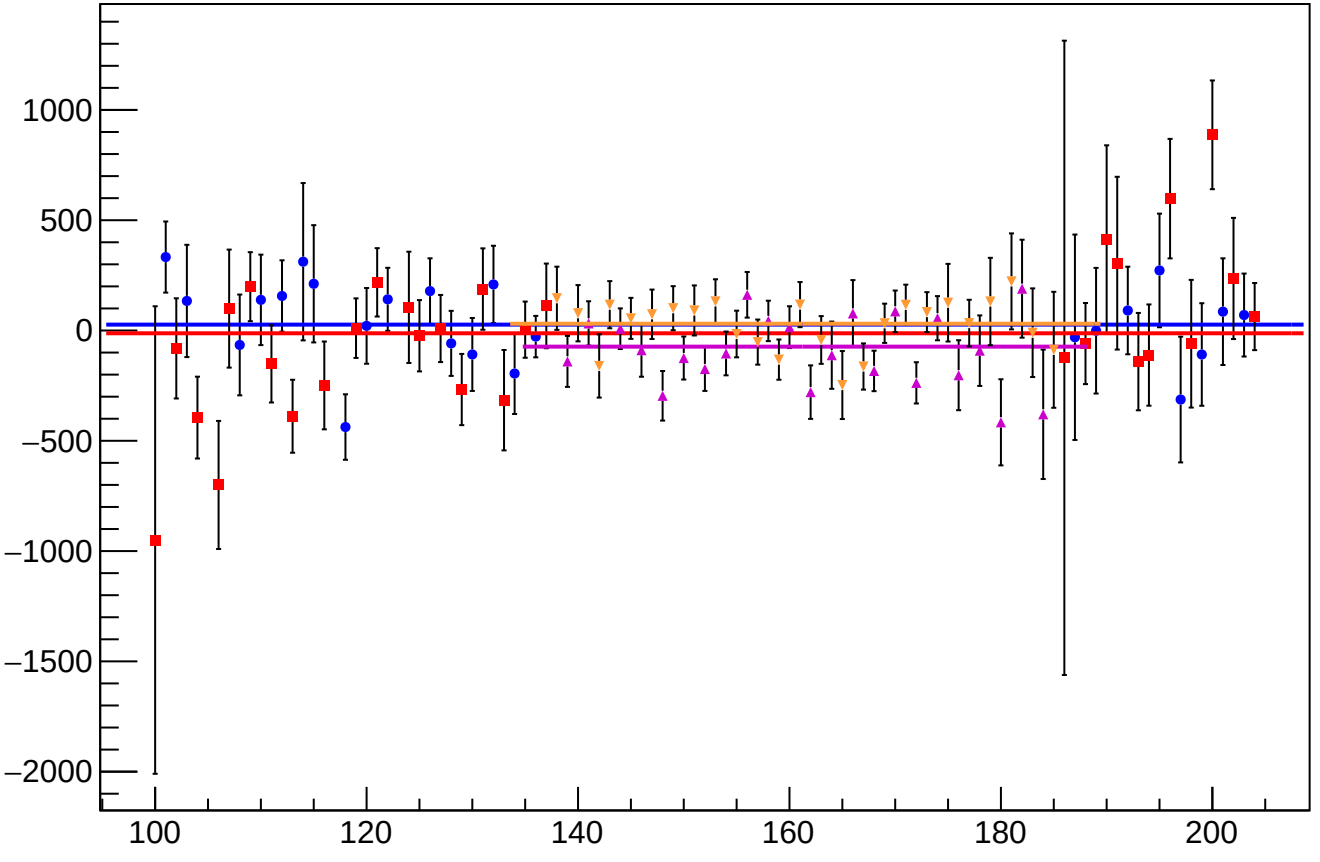
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 776.555+/-0.105 χ^2/NDF: 9874793.3/48

All: 784.681+/-0.075 χ^2/NDF: 21838054.6/10

- sign 793.123+/-0.107 χ^2/NDF: 11951027.0/52

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.704+/-37.212 χ^2/NDF: 24.3/23

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -12.559+/-36.276 χ^2/NDF: 50.0/29

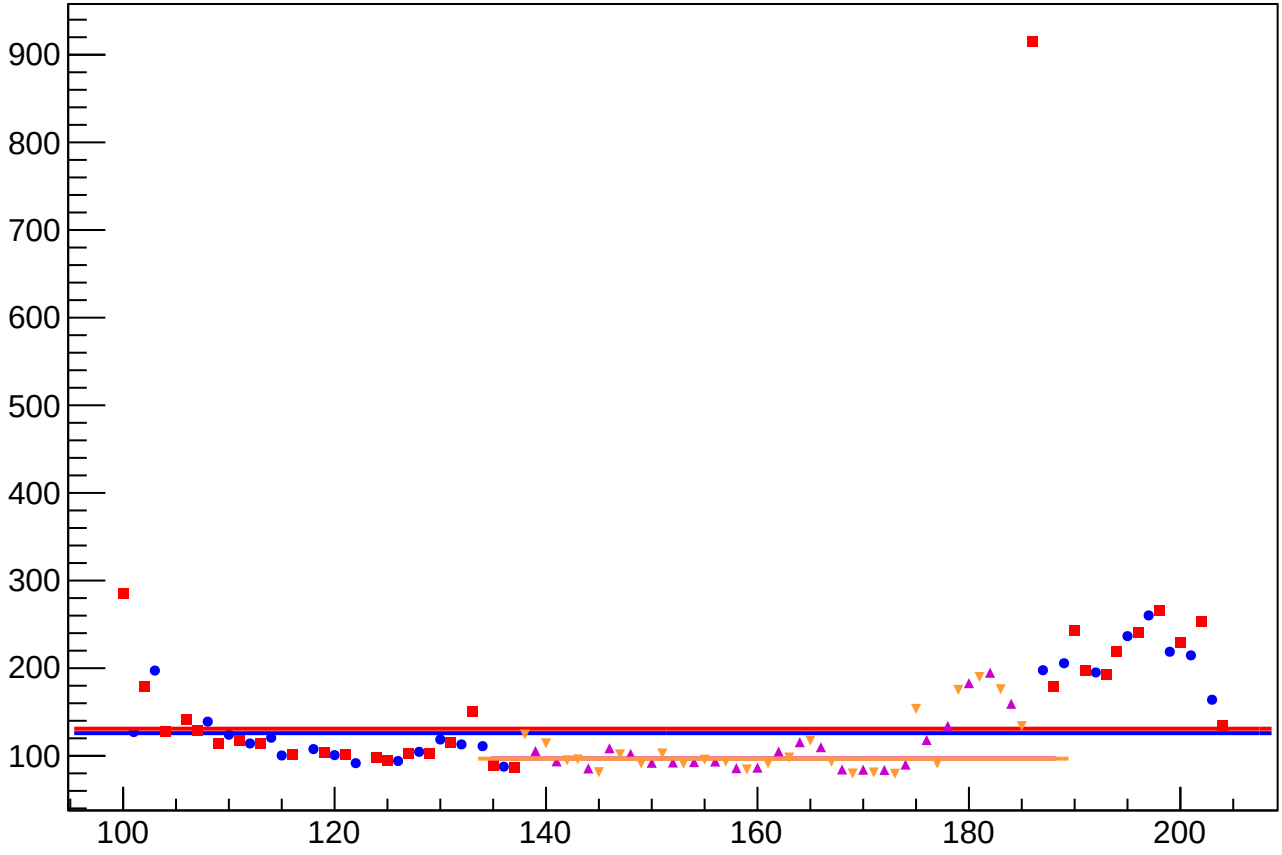
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 29.594+/-19.476 χ^2/NDF: 44.2/48

All: -12.267+/-13.860 χ^2/NDF: 140.1/101

- sign -55.226+/-19.729 χ^2/NDF: 86.5/52

dit_asym_sam_2468_avg_rms vs Slug



Right In: 125.877+/-0.026 χ^2/NDF: 2805872.7/23

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 130.969+/-0.026 χ^2/NDF: 3868234.2/29

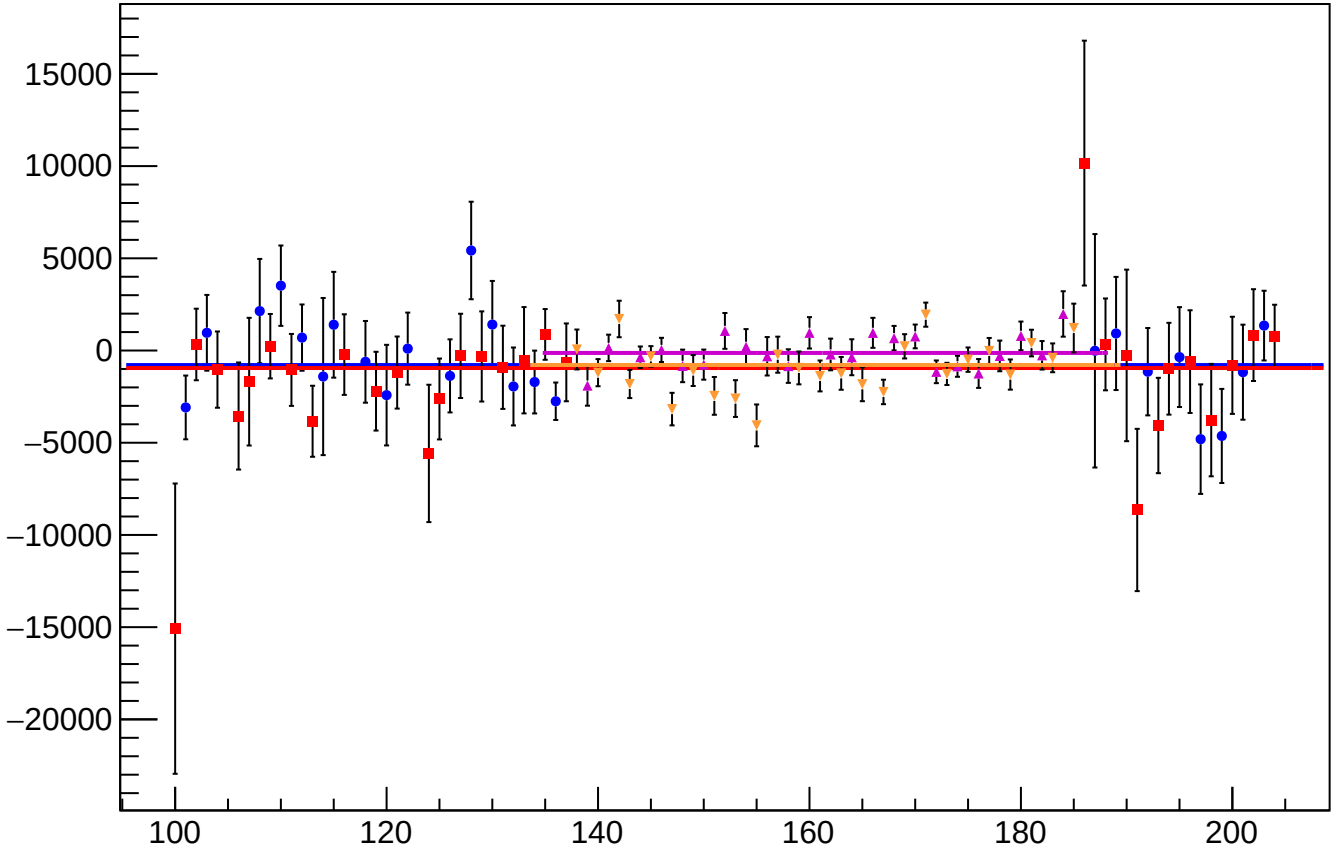
Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 104.760+/-0.014 χ^2/NDF: 5413258.3/48

All: 105.895+/-0.010 χ^2/NDF: 11850209.0/10

- sign 107.059+/-0.014 χ^2/NDF: 6423196.6/52

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -788.158+/-436.290 χ^2/NDF: 25.9/23

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -948.817+/-428.349 χ^2/NDF: 21.7/29

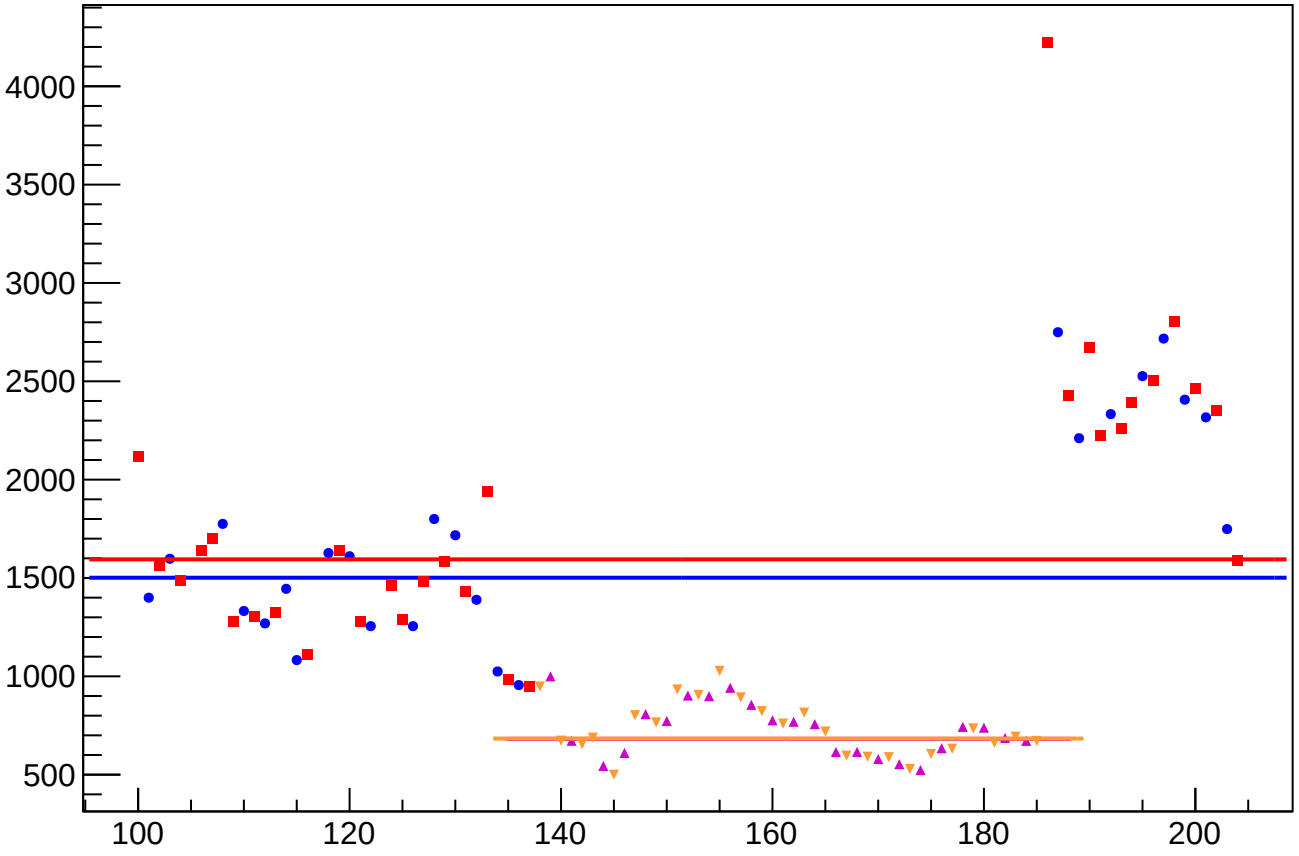
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -784.268+/-148.832 χ^2/NDF: 92.2/48

All: -514.736+/-106.294 χ^2/NDF: 148.1/101

- sign -234.122+/-151.860 χ^2/NDF: 49.2/52

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1501.337+/-0.309 χ^2/NDF: 2513407.1/23

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1594.736+/-0.303 χ^2/NDF: 2941590.0/29

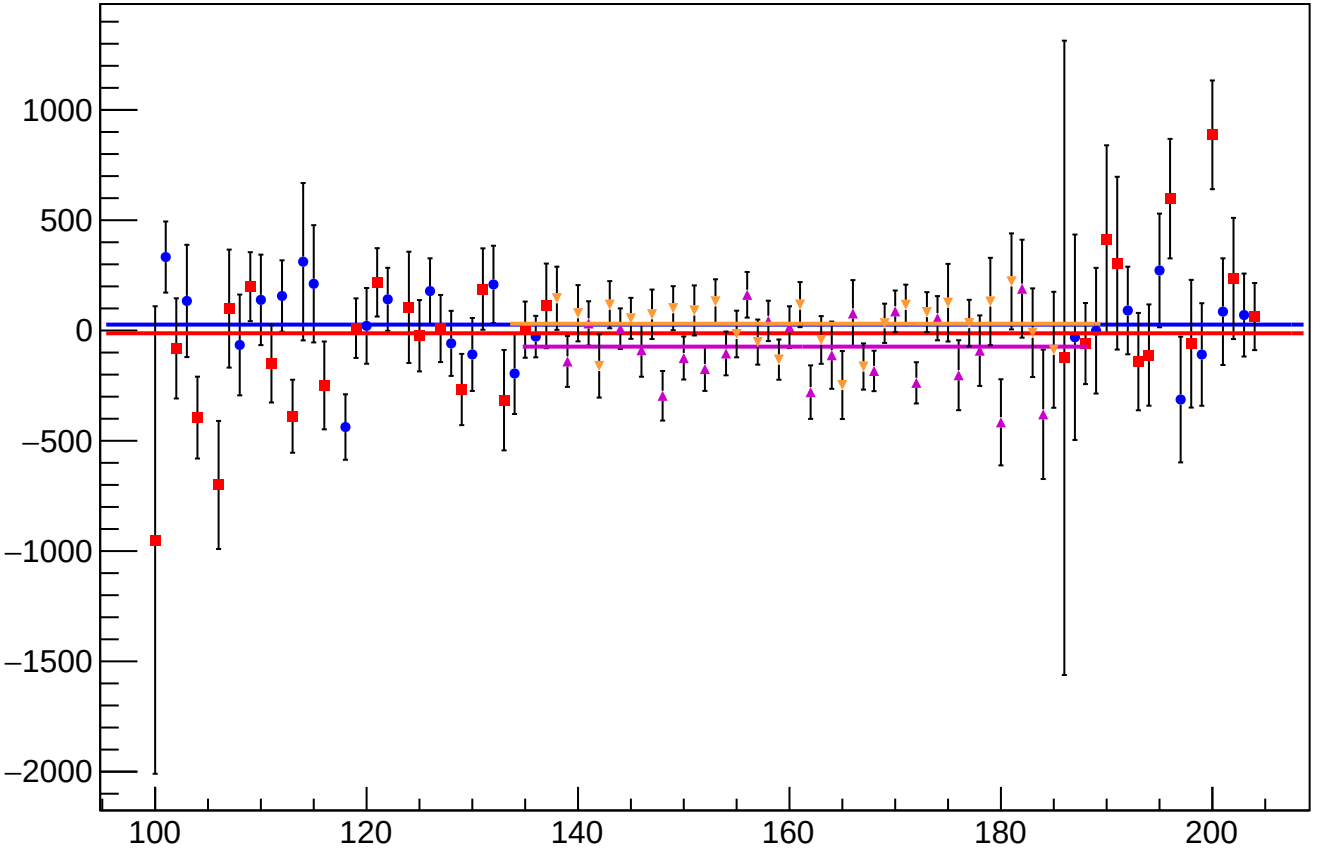
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

\+ sign 778.846+/-0.105 χ^2/NDF: 10018269.7/48

All: 787.587+/-0.075 χ^2/NDF: 22100218.5/10

\- sign 796.686+/-0.107 χ^2/NDF: 12067870.2/52

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.704+/-37.212 χ^2/NDF: 24.3/23

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -12.558+/-36.276 χ^2/NDF: 50.0/29

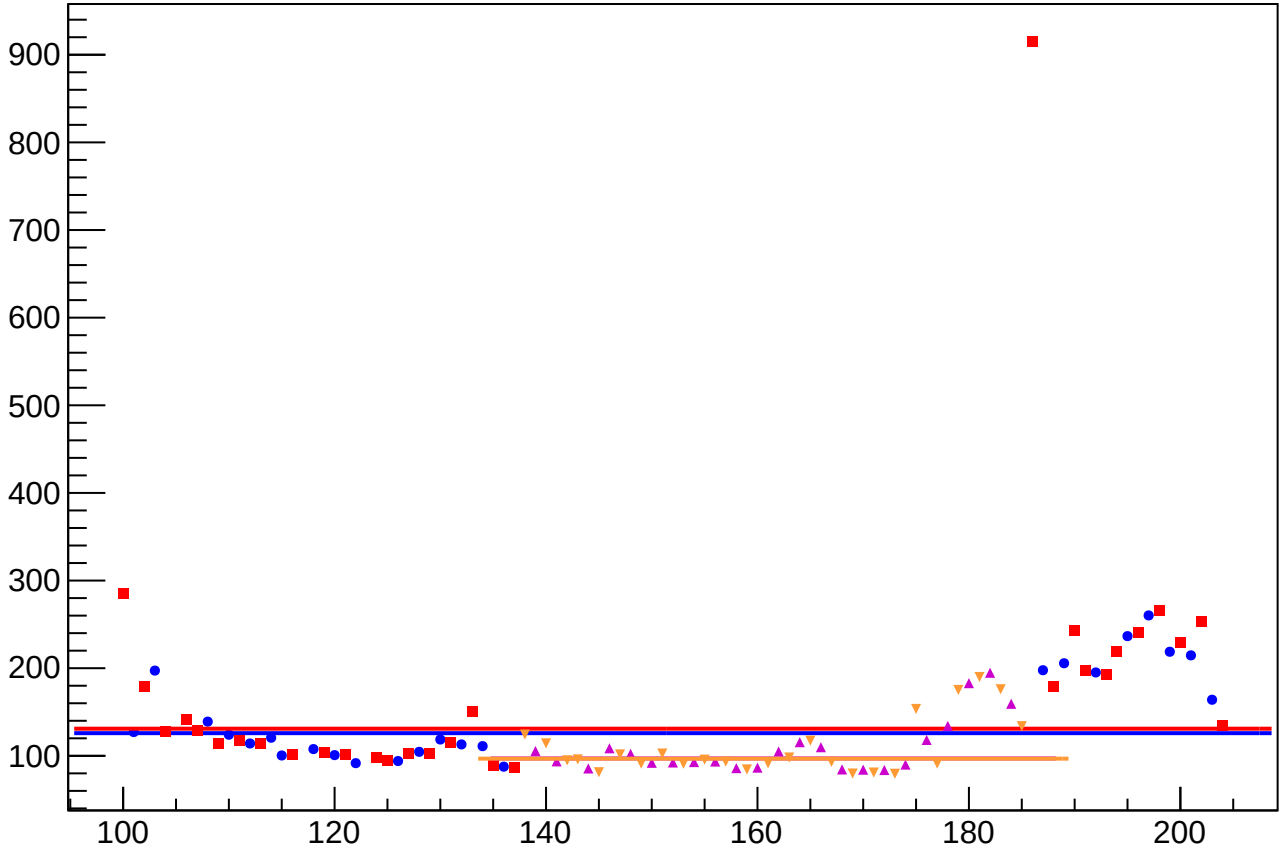
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 29.594+/-19.476 χ^2/NDF: 44.2/48

All: -12.267+/-13.860 χ^2/NDF: 140.1/101

- sign -55.225+/-19.729 χ^2/NDF: 86.5/52

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 125.876+/-0.026 χ^2/NDF: 2805889.2/23

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

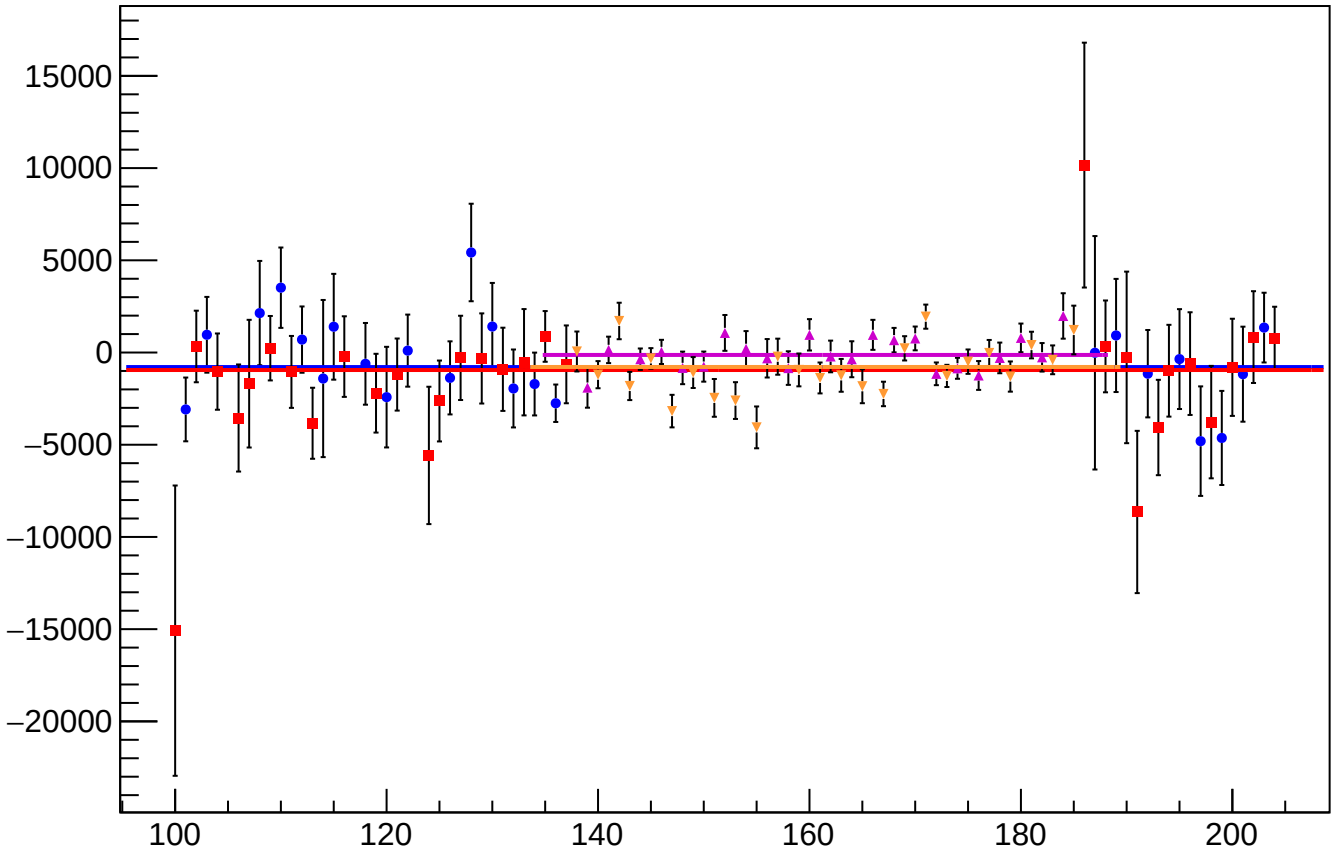
Right Out: 130.968+/-0.026 χ^2/NDF: 3868269.0/29

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 104.760+/-0.014 χ^2/NDF: 5413212.3/48

All: 105.895+/-0.010 χ^2/NDF: 11850115.0/10

- sign 107.059+/-0.014 χ^2/NDF: 6423148.3/52



Right In: -788.153+/-436.289 χ^2/NDF: 25.9/23

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

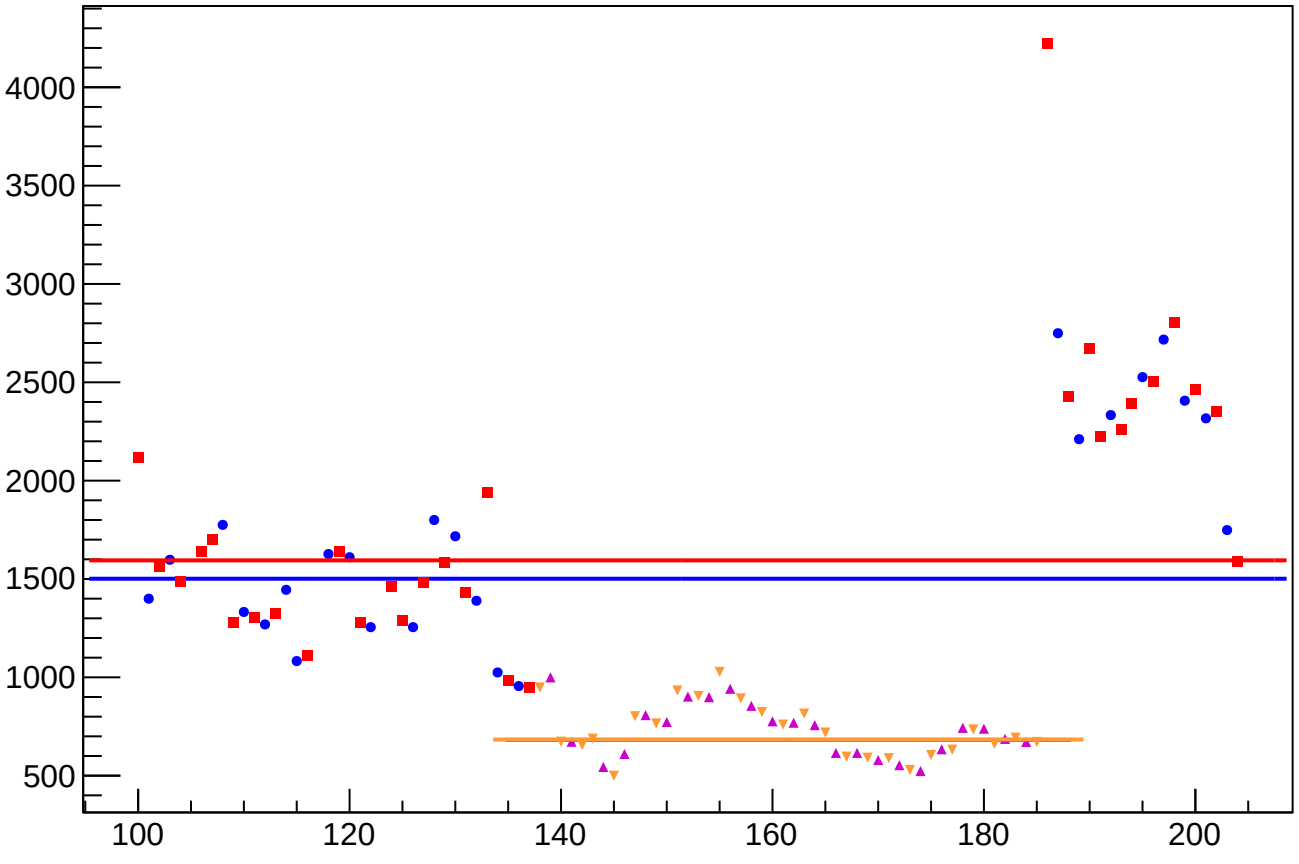
Right Out: -948.816+/-428.348 χ^2/NDF: 21.7/29

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -784.266+/-148.831 χ^2/NDF: 92.2/48

All: -514.735+/-106.294 χ^2/NDF: 148.1/101

- sign -234.121+/-151.860 χ^2/NDF: 49.2/52



Right In: 1501.334+/-0.309 χ^2/NDF: 2513412.4/23

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1594.733+/-0.303 χ^2/NDF: 2941599.2/29

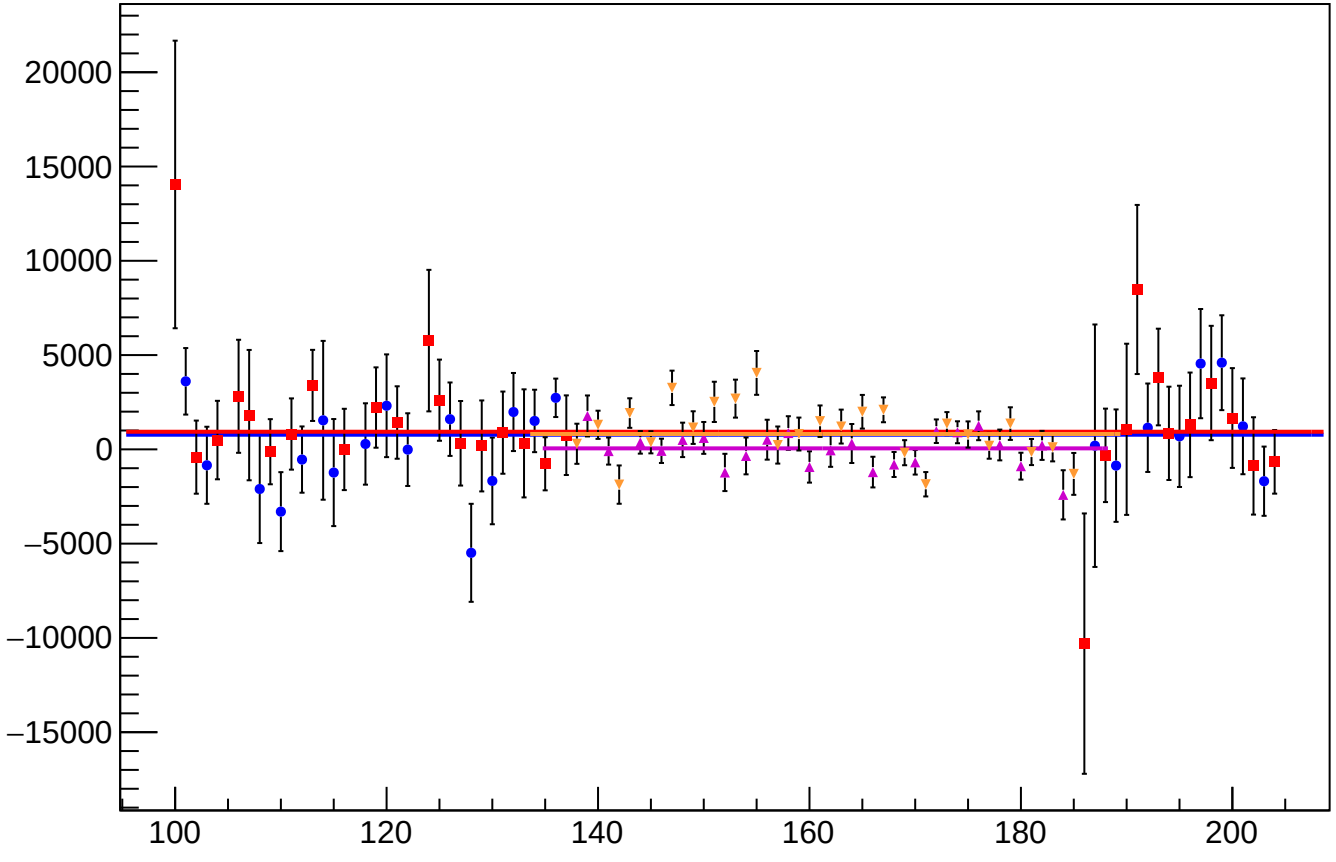
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 778.845+/-0.105 χ^2/NDF: 10018281.3/48

All: 787.585+/-0.075 χ^2/NDF: 22100239.8/10

- sign 796.684+/-0.107 χ^2/NDF: 12067879.9/52

asym_sam_2468_avg_mean vs Slug



Right In: 776.492+/-431.084 χ^2/NDF: 27.2/23

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 934.535+/-425.933 χ^2/NDF: 19.8/29

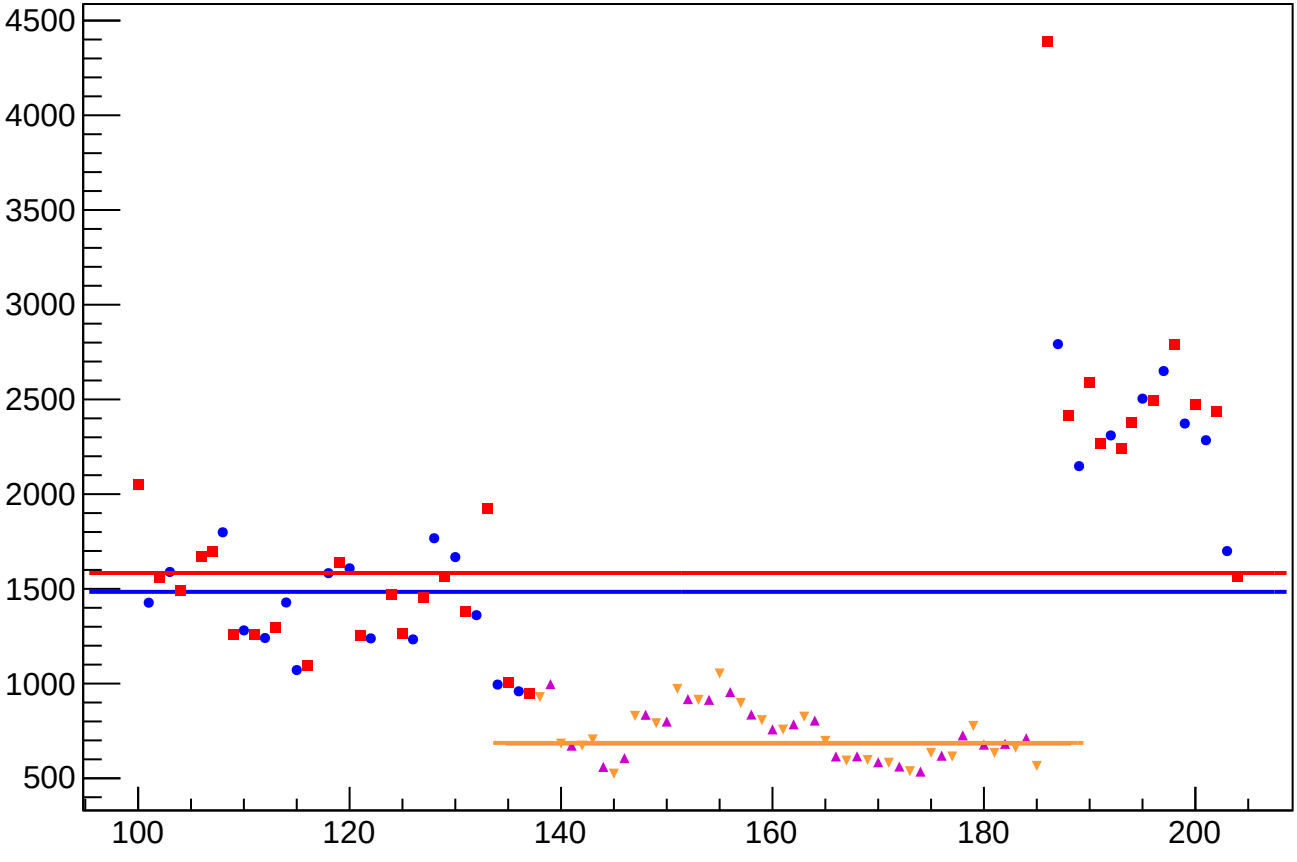
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 809.555+/-149.388 χ^2/NDF: 92.9/48

All: 493.436+/-106.635 χ^2/NDF: 151.0/101

- sign 165.034+/-152.262 χ^2/NDF: 48.9/52

asym_sam_2468_avg_rms vs Slug



Right In: 1484.212+/-0.305 χ^2/NDF: 2472307.0/23

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

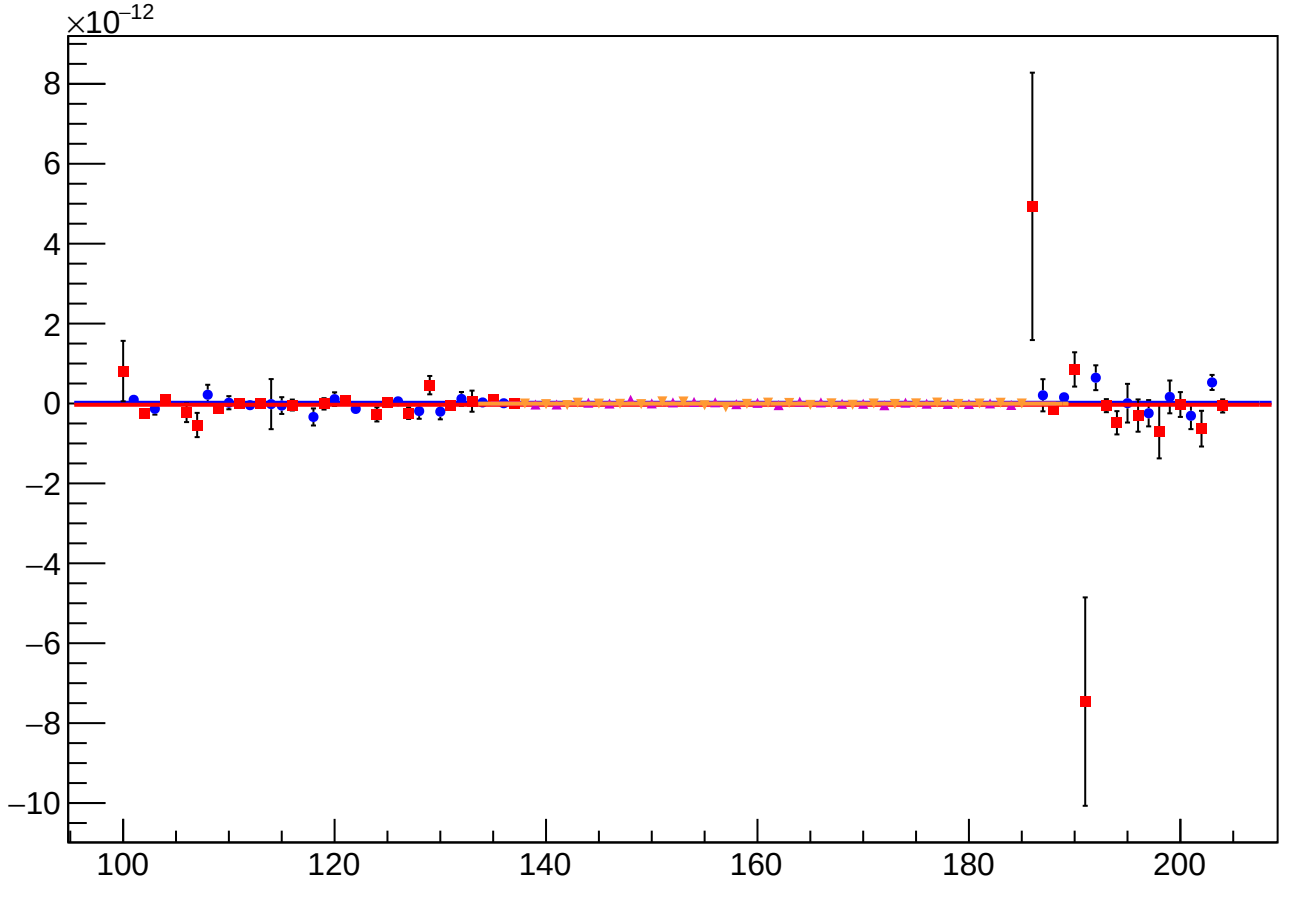
Right Out: 1583.728+/-0.301 χ^2/NDF: 2983493.9/29

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 782.473+/-0.106 χ^2/NDF: 9807626.9/48

All: 790.895+/-0.075 χ^2/NDF: 21739856.7/10

- sign 799.644+/-0.108 χ^2/NDF: 11919270.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 26.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

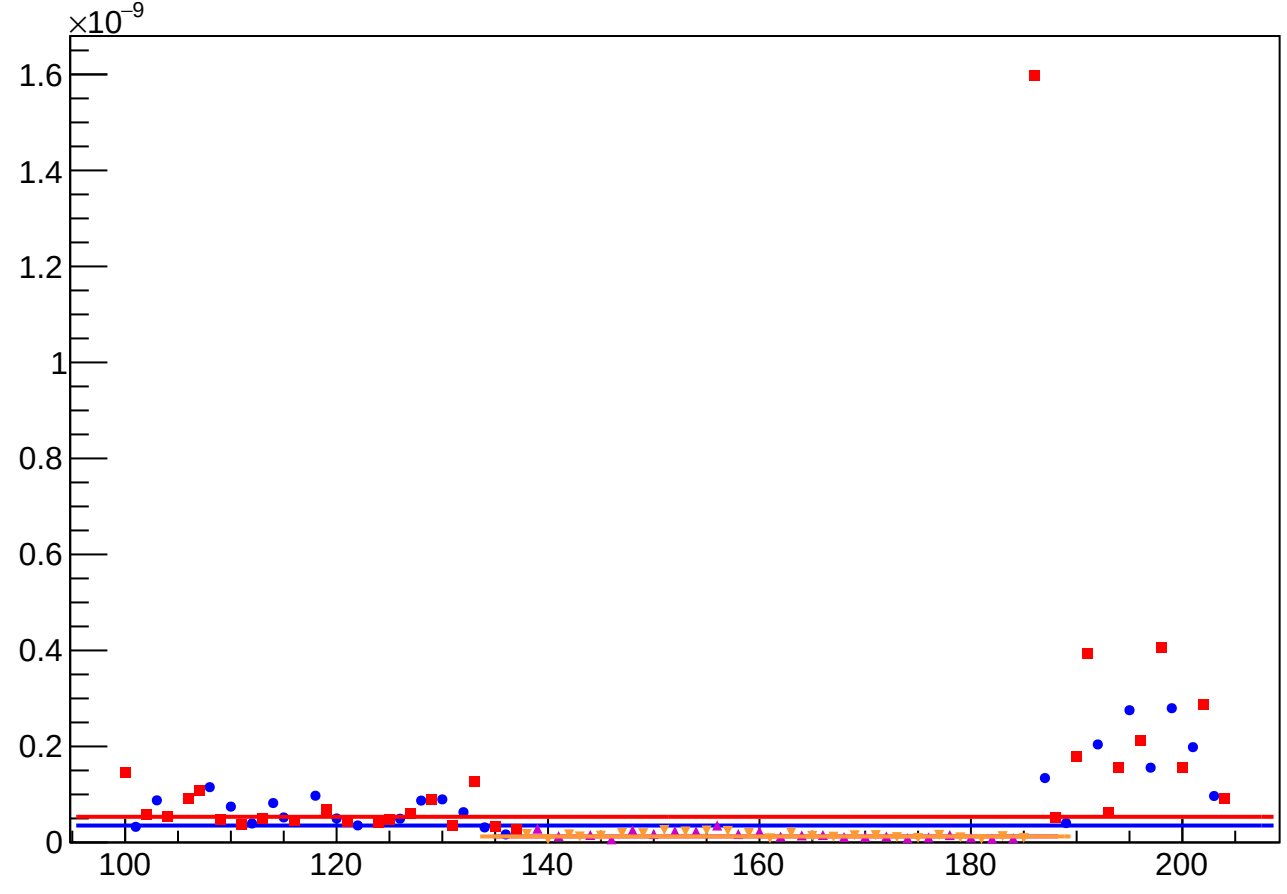
Right Out: -0.000+/-0.000 χ^2/NDF: 45.8/29

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/48

All: -0.000+/-0.000 χ^2/NDF: 111.6/101

- sign -0.000+/-0.000 χ^2/NDF: 67.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 4870805.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

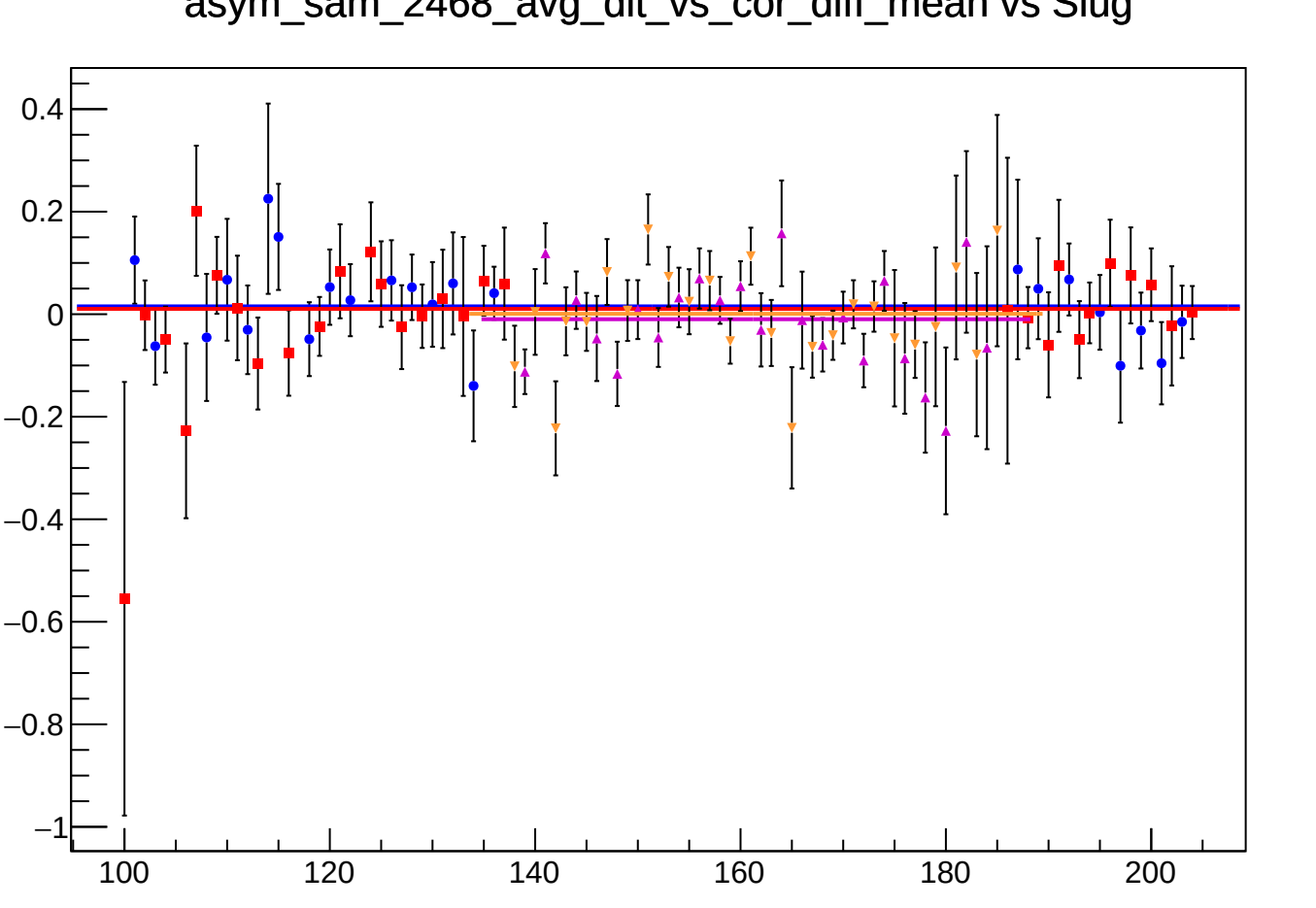
Right Out: 0.000+/-0.000 χ^2/NDF: 3441406.3/29

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8844282.3/48

All: 0.000+/-0.000 χ^2/NDF: 18861701.3/101

- sign 0.000+/-0.000 χ^2/NDF: 10009282.1/52



Right In: 0.015+/-0.017 χ^2/NDF: 14.7/23

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.010+/-0.015 χ^2/NDF: 17.7/29

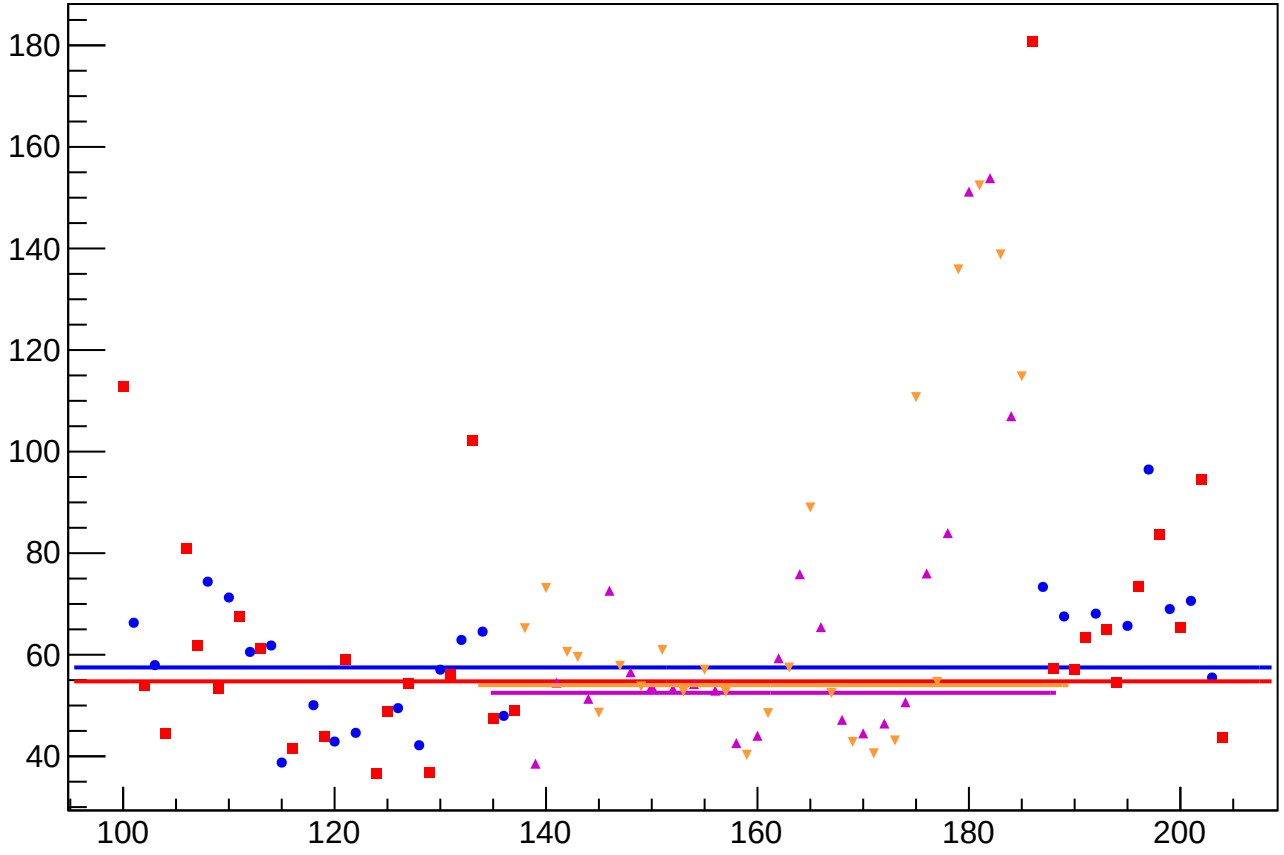
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.006+/-0.010 χ^2/NDF: 46.8/48

All: 0.002+/-0.007 χ^2/NDF: 97.7/101

- sign -0.001+/-0.010 χ^2/NDF: 50.6/52

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 57.502+/-0.012 χ^2/NDF: 998337.9/23

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

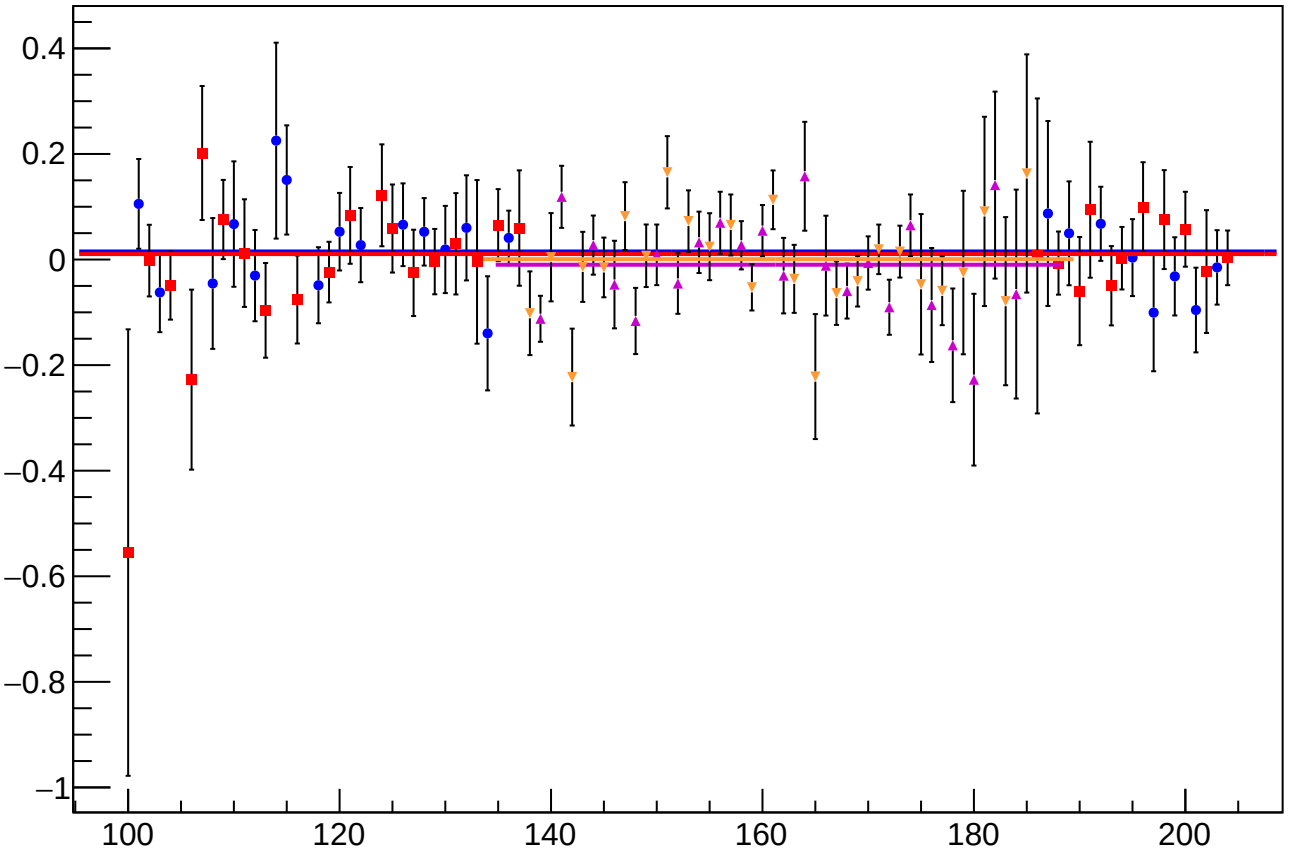
Right Out: 54.763+/-0.011 χ^2/NDF: 1838016.4/29

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 55.352+/-0.007 χ^2/NDF: 4279138.4/48

All: 54.377+/-0.005 χ^2/NDF: 8734061.7/101

- sign 53.490+/-0.007 χ^2/NDF: 4421352.2/52



Right In: 0.015+/-0.017 χ^2/NDF: 14.7/23

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

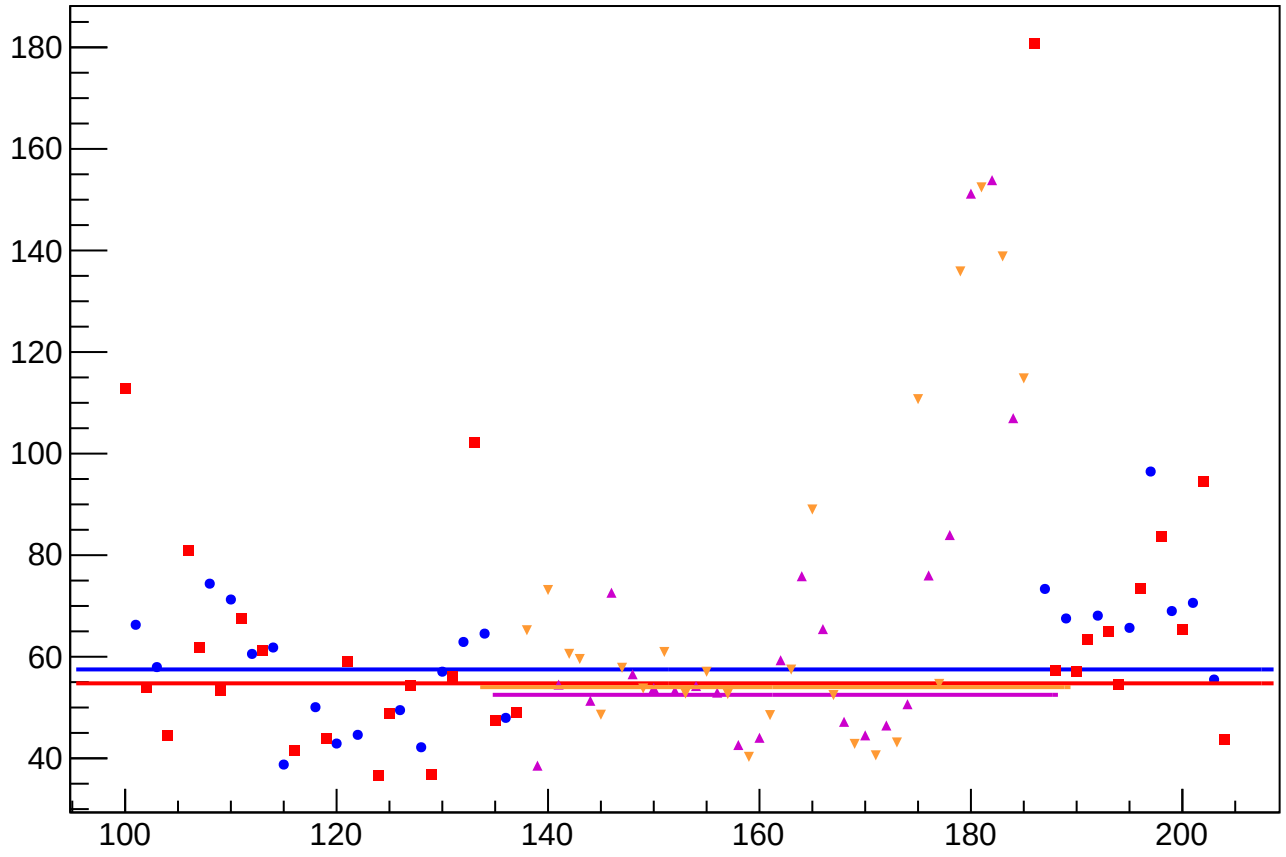
Right Out: 0.010+/-0.015 χ^2/NDF: 17.7/29

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.006+/-0.010 χ^2/NDF: 46.8/48

All: 0.002+/-0.007 χ^2/NDF: 97.7/101

- sign -0.001+/-0.010 χ^2/NDF: 50.6/52



Right In: 57.502+/-0.012 χ^2/NDF: 998337.9/23

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

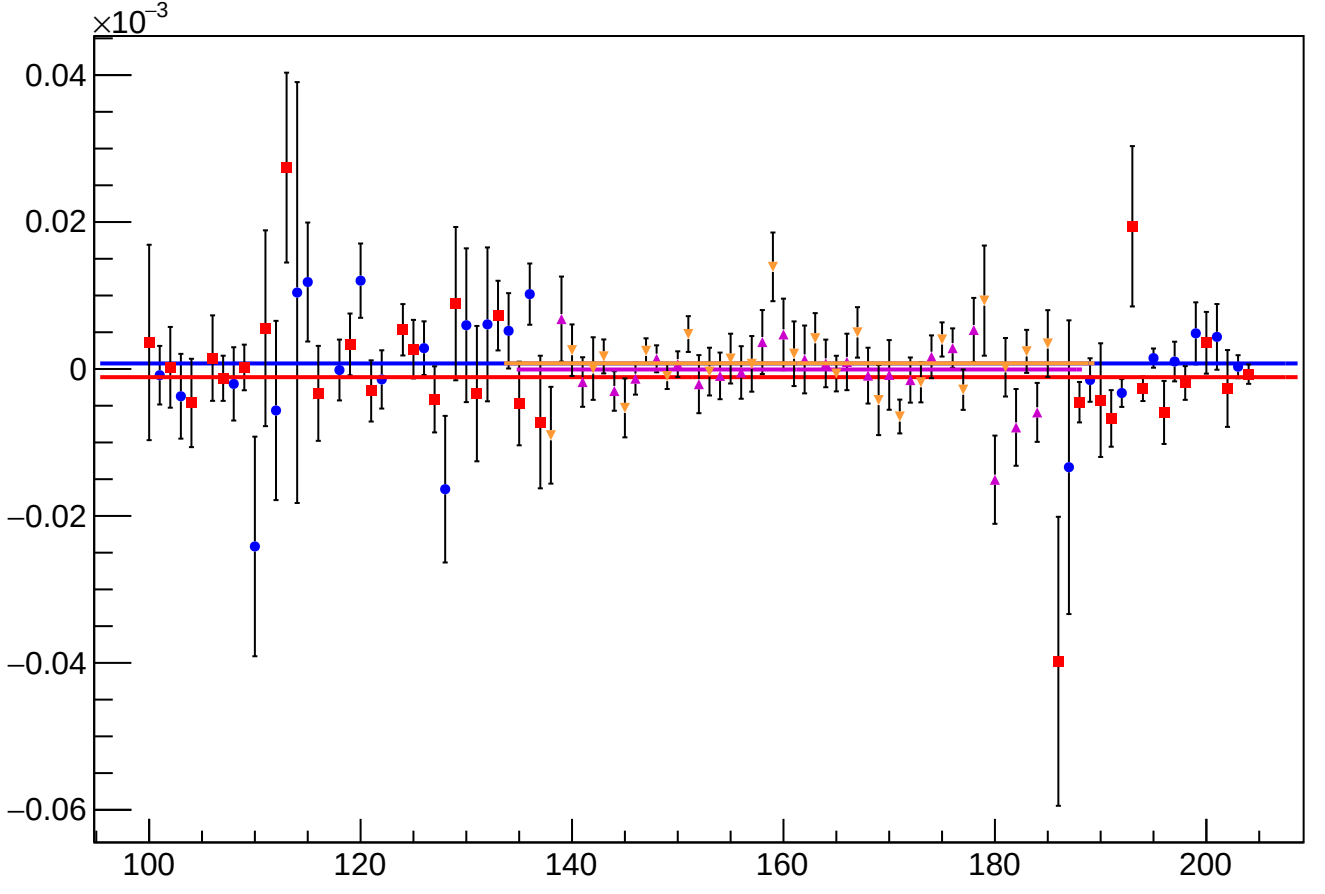
Right Out: 54.763+/-0.011 χ^2/NDF: 1838016.4/29

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 55.352+/-0.007 χ^2/NDF: 4279138.4/48

All: 54.377+/-0.005 χ^2/NDF: 8734061.7/101

- sign 53.490+/-0.007 χ^2/NDF: 4421352.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

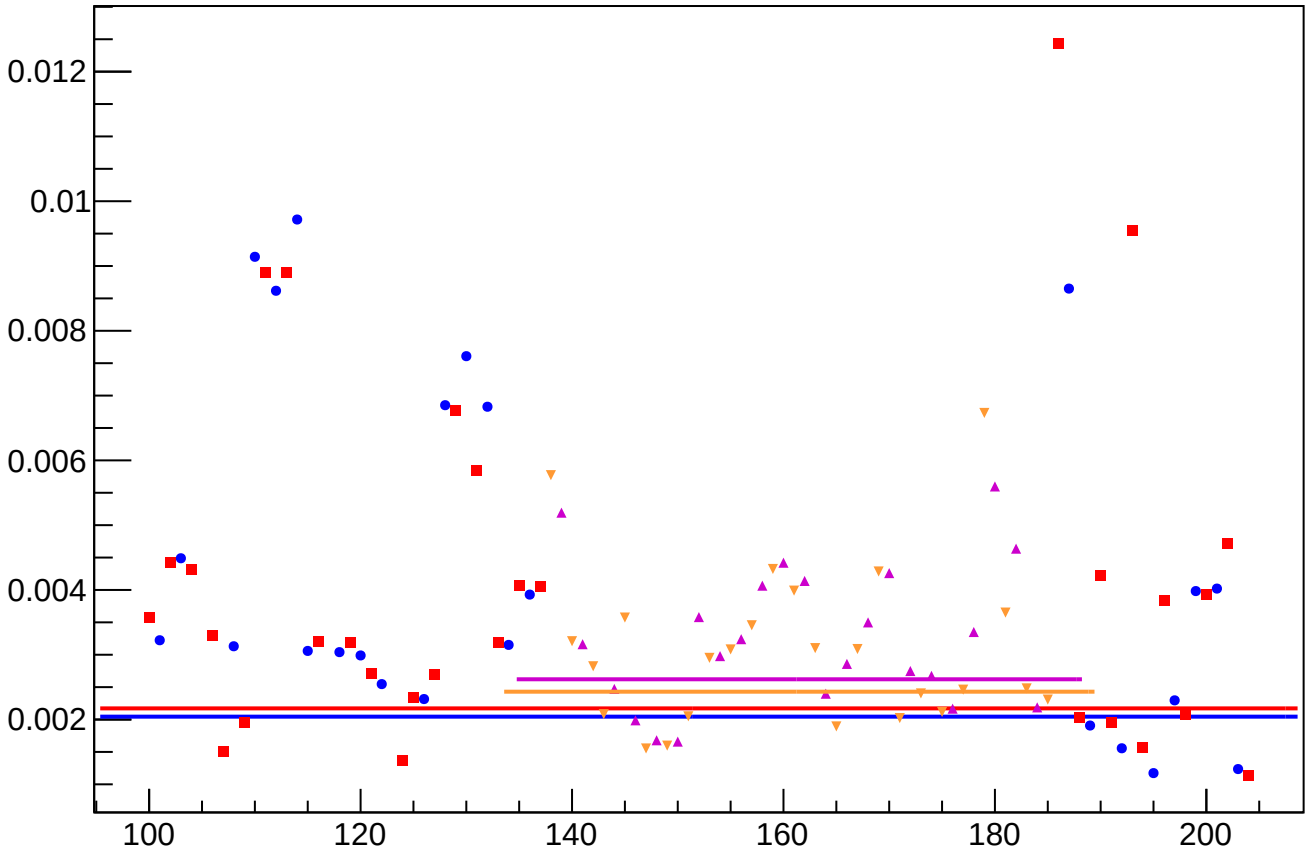
Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/29

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.7/48

All: 0.000+/-0.000 χ^2/NDF: 124.7/101

- sign -0.000+/-0.000 χ^2/NDF: 53.6/52



Right In: 0.002+/-0.000 χ^2/NDF: 6622037.0/23

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

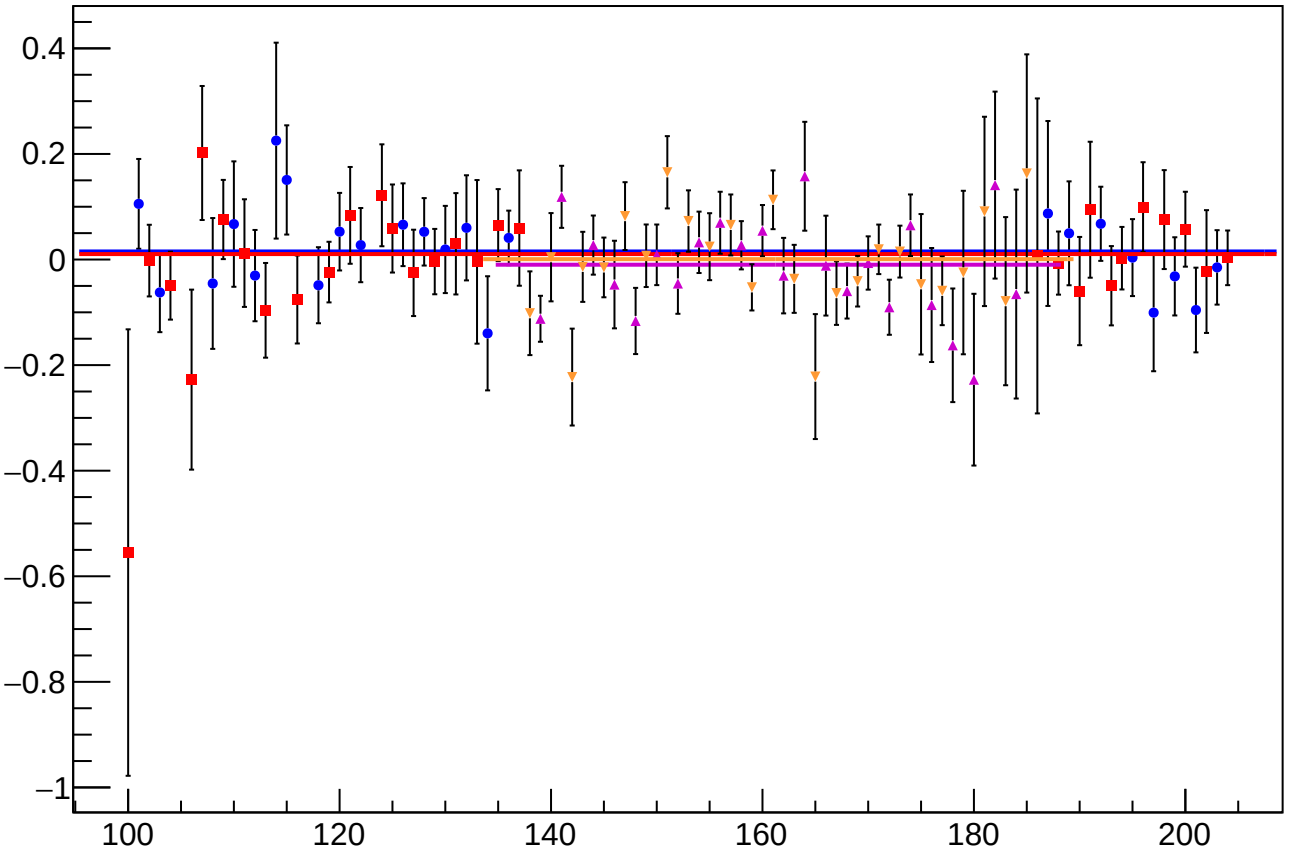
Right Out: 0.002+/-0.000 χ^2/NDF: 7528828.0/29

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 11205420.5/48

All: 0.002+/-0.000 χ^2/NDF: 23233566.0/101

- sign 0.002+/-0.000 χ^2/NDF: 11942548.0/52



Right In: 0.015+/-0.017 χ^2/NDF: 14.7/23

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

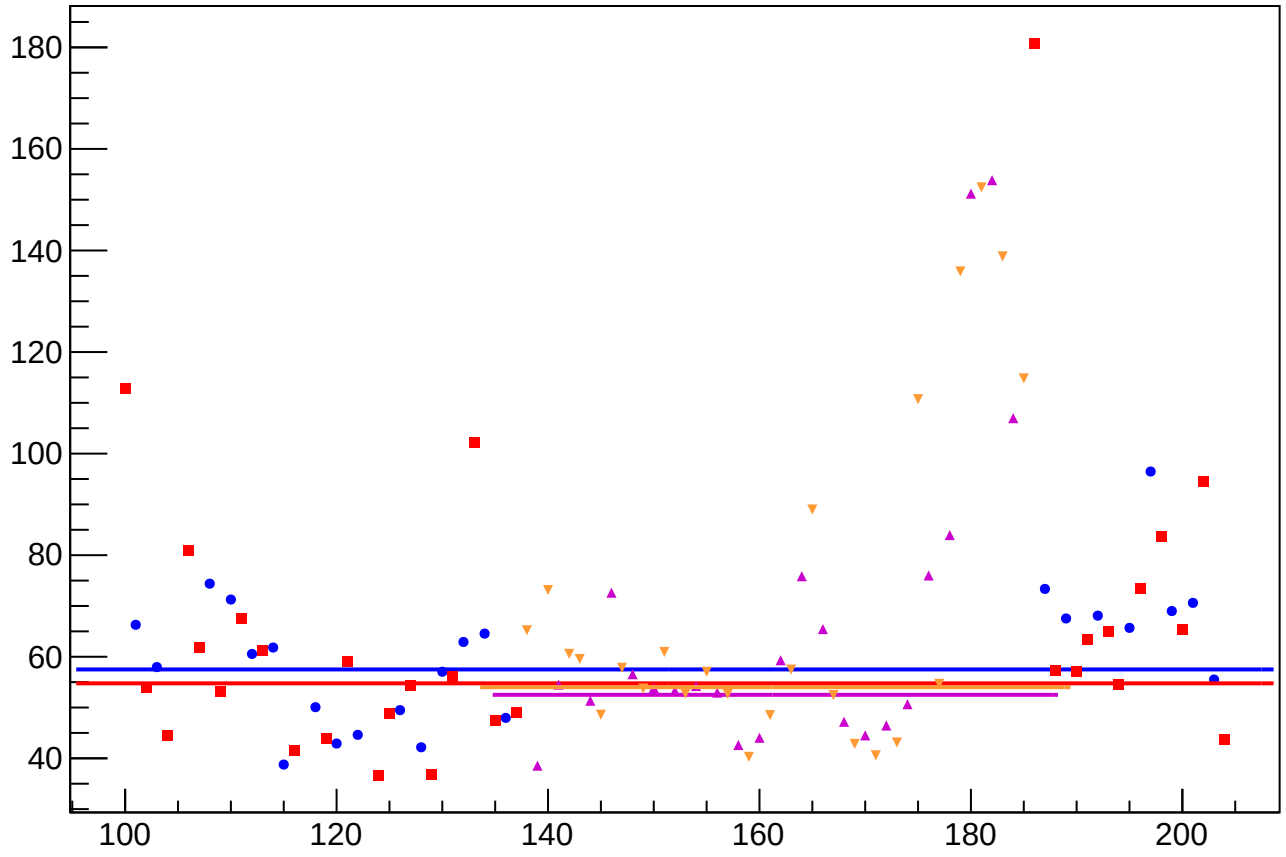
Right Out: 0.010+/-0.015 χ^2/NDF: 17.7/29

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.006+/-0.010 χ^2/NDF: 46.8/48

All: 0.002+/-0.007 χ^2/NDF: 97.7/101

- sign -0.001+/-0.010 χ^2/NDF: 50.6/52



Right In: 57.501+/-0.012 χ^2/NDF: 998337.9/23

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

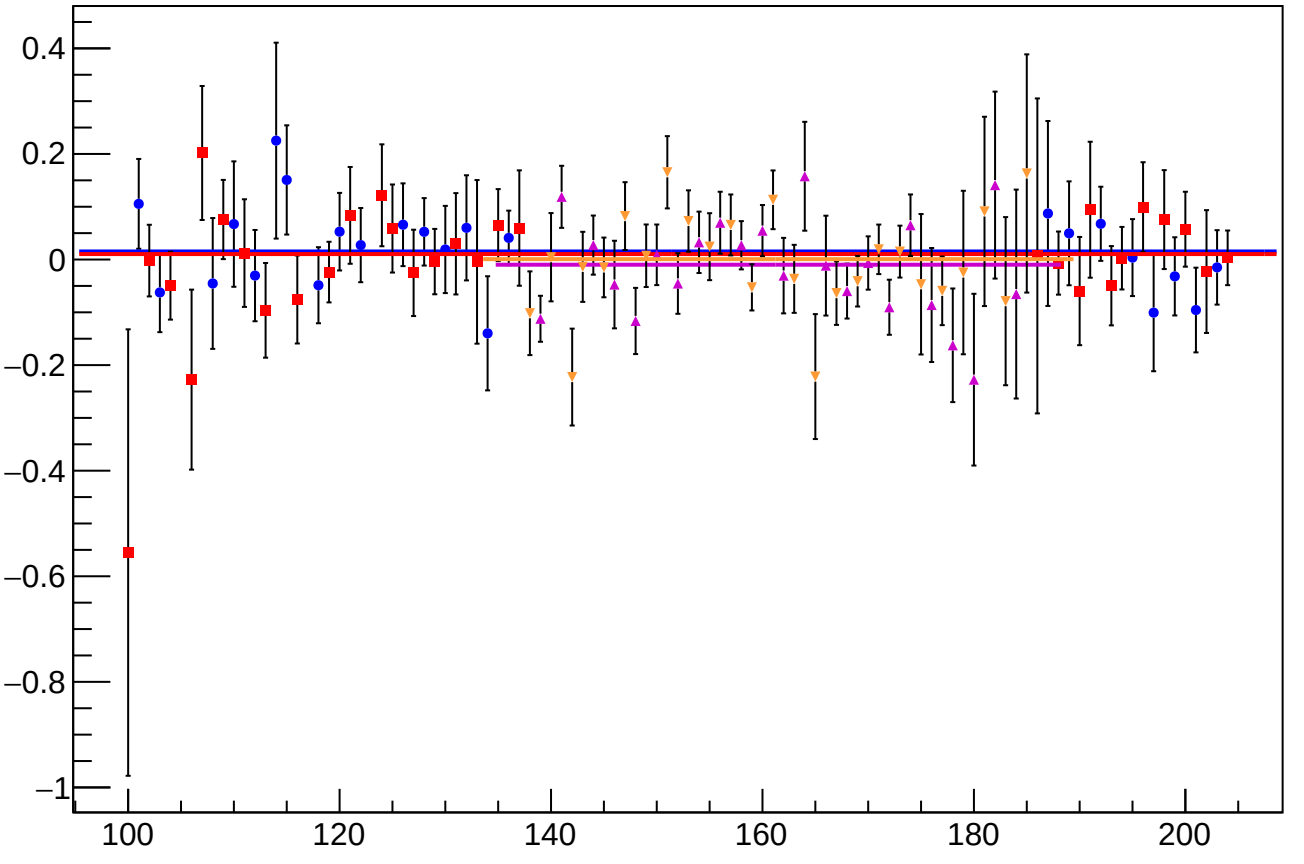
Right Out: 54.762+/-0.011 χ^2/NDF: 1838088.1/29

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 55.352+/-0.007 χ^2/NDF: 4279116.0/48

All: 54.377+/-0.005 χ^2/NDF: 8734129.5/101

- sign 53.490+/-0.007 χ^2/NDF: 4421441.1/52



Right In: 0.015+/-0.017 χ^2/NDF: 14.7/23

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

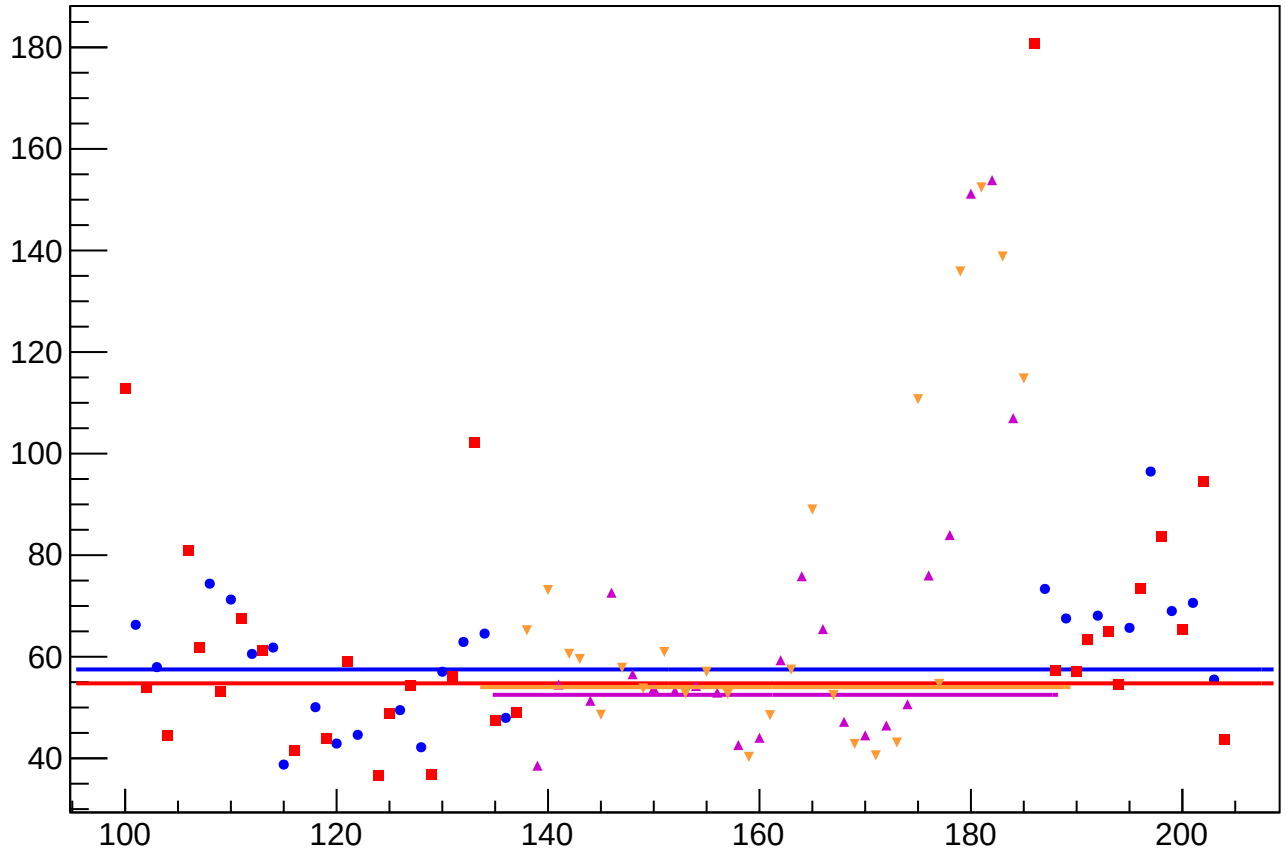
Right Out: 0.010+/-0.015 χ^2/NDF: 17.7/29

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.006+/-0.010 χ^2/NDF: 46.8/48

All: 0.002+/-0.007 χ^2/NDF: 97.7/101

- sign -0.001+/-0.010 χ^2/NDF: 50.6/52



Right In: 57.501+/-0.012 χ^2/NDF: 998337.9/23

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

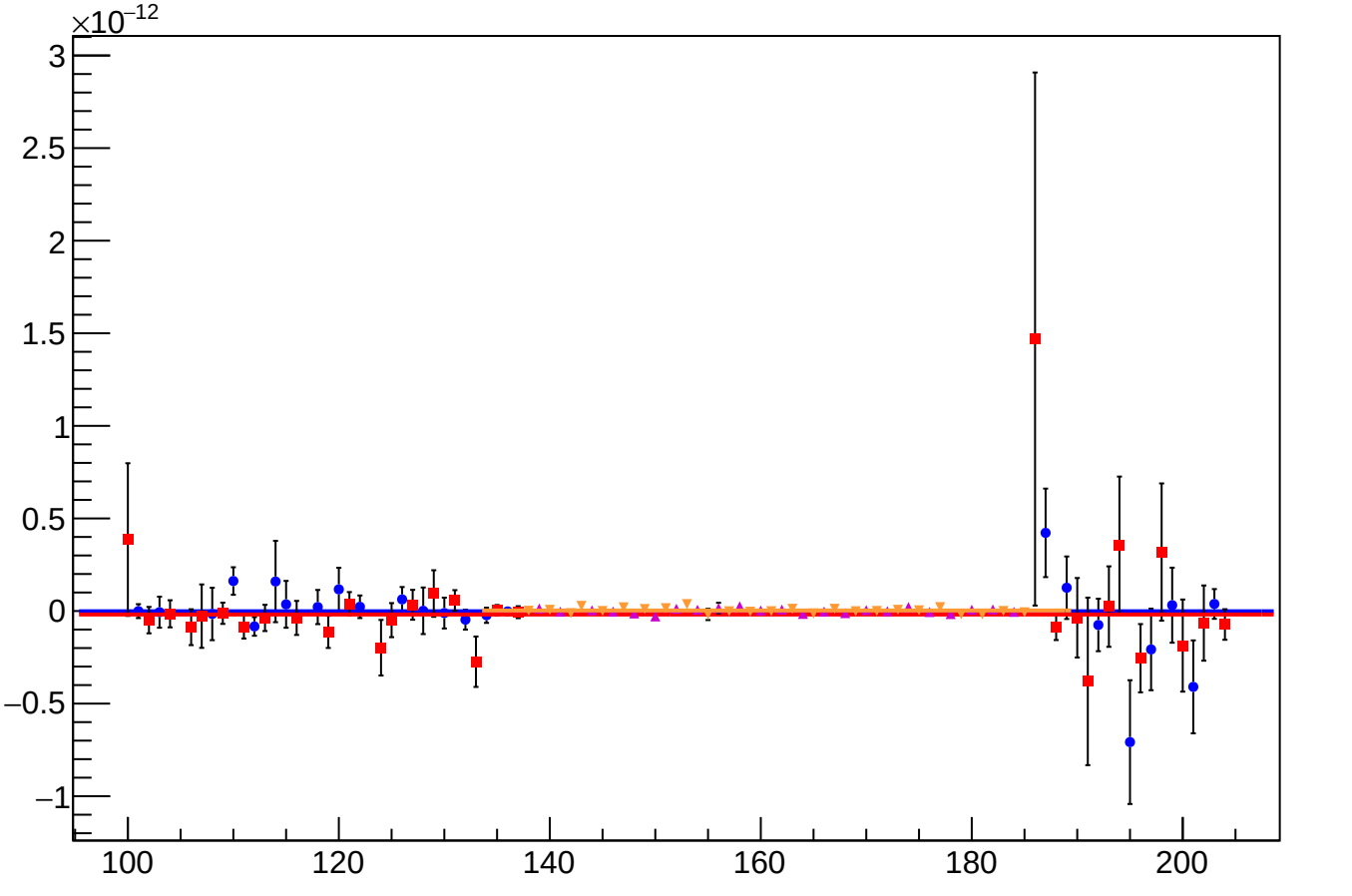
Right Out: 54.762+/-0.011 χ^2/NDF: 1838088.1/29

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 55.352+/-0.007 χ^2/NDF: 4279116.0/48

All: 54.377+/-0.005 χ^2/NDF: 8734129.5/101

- sign 53.490+/-0.007 χ^2/NDF: 4421441.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 23.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

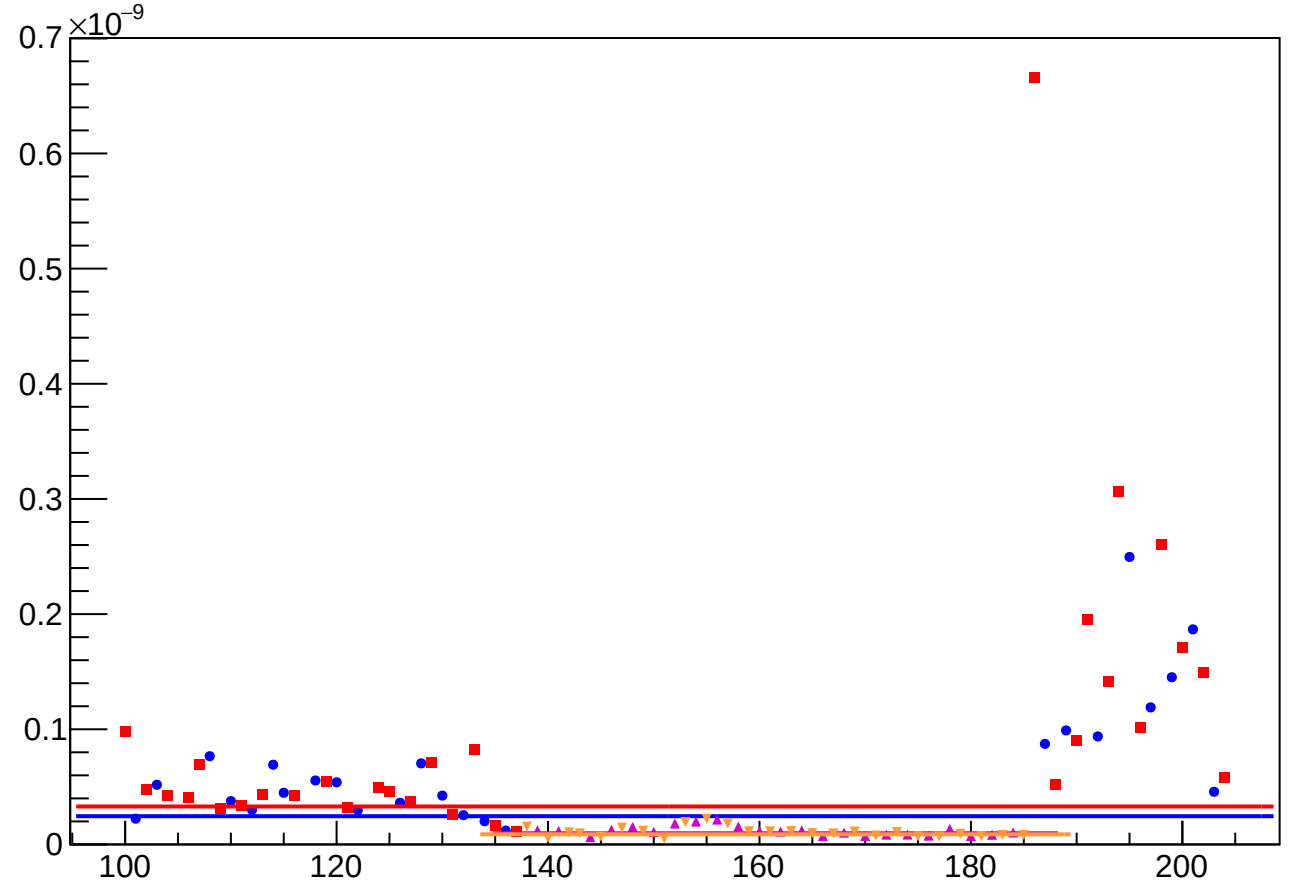
Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/29

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.5/48

All: 0.000+/-0.000 χ^2/NDF: 83.9/101

- sign 0.000+/-0.000 χ^2/NDF: 38.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 6602594.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7604361.3/29

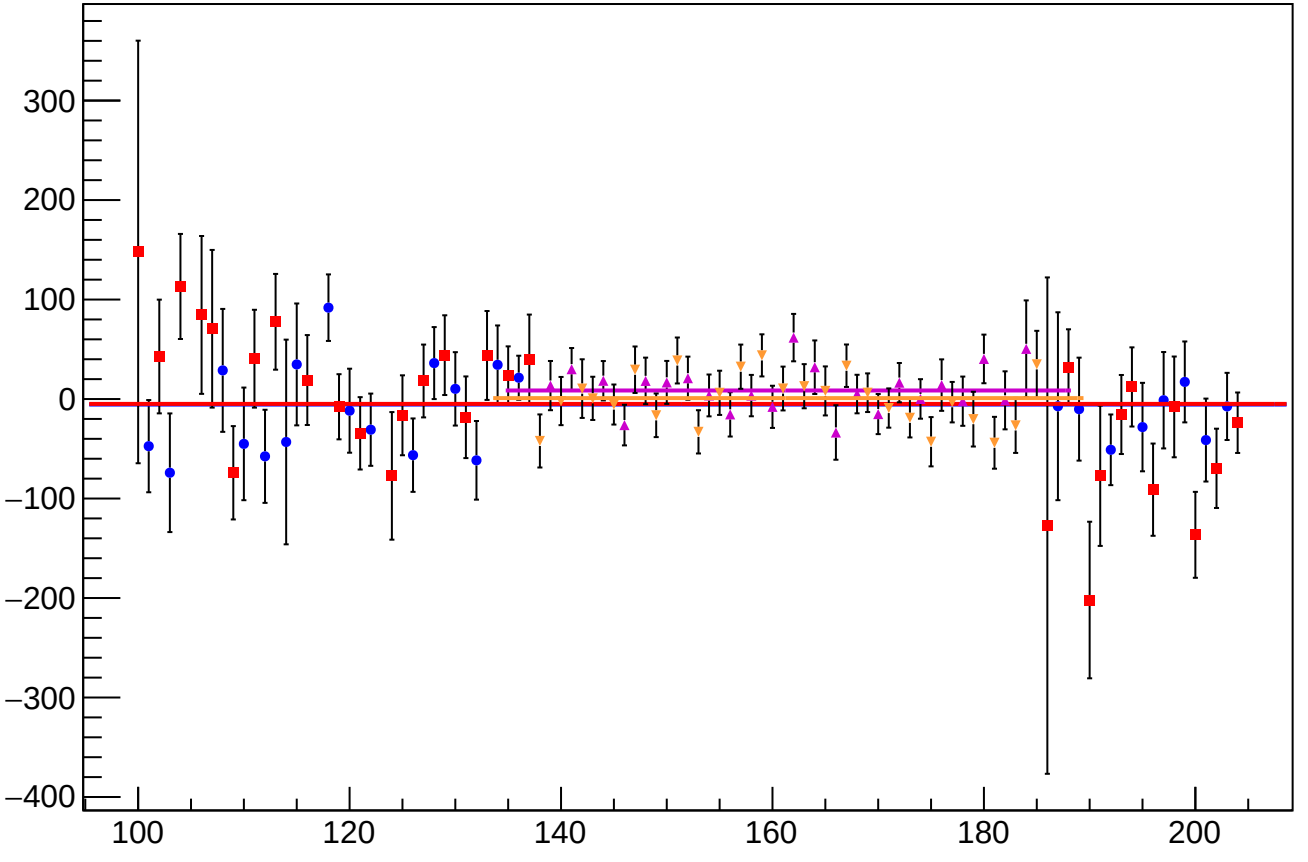
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12555289.9/48

All: 0.000+/-0.000 χ^2/NDF: 28064738.2/101

- sign 0.000+/-0.000 χ^2/NDF: 15336280.4/52

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -5.512+/-8.399 χ^2/NDF: 24.6/23

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -4.885+/-8.185 χ^2/NDF: 46.4/29

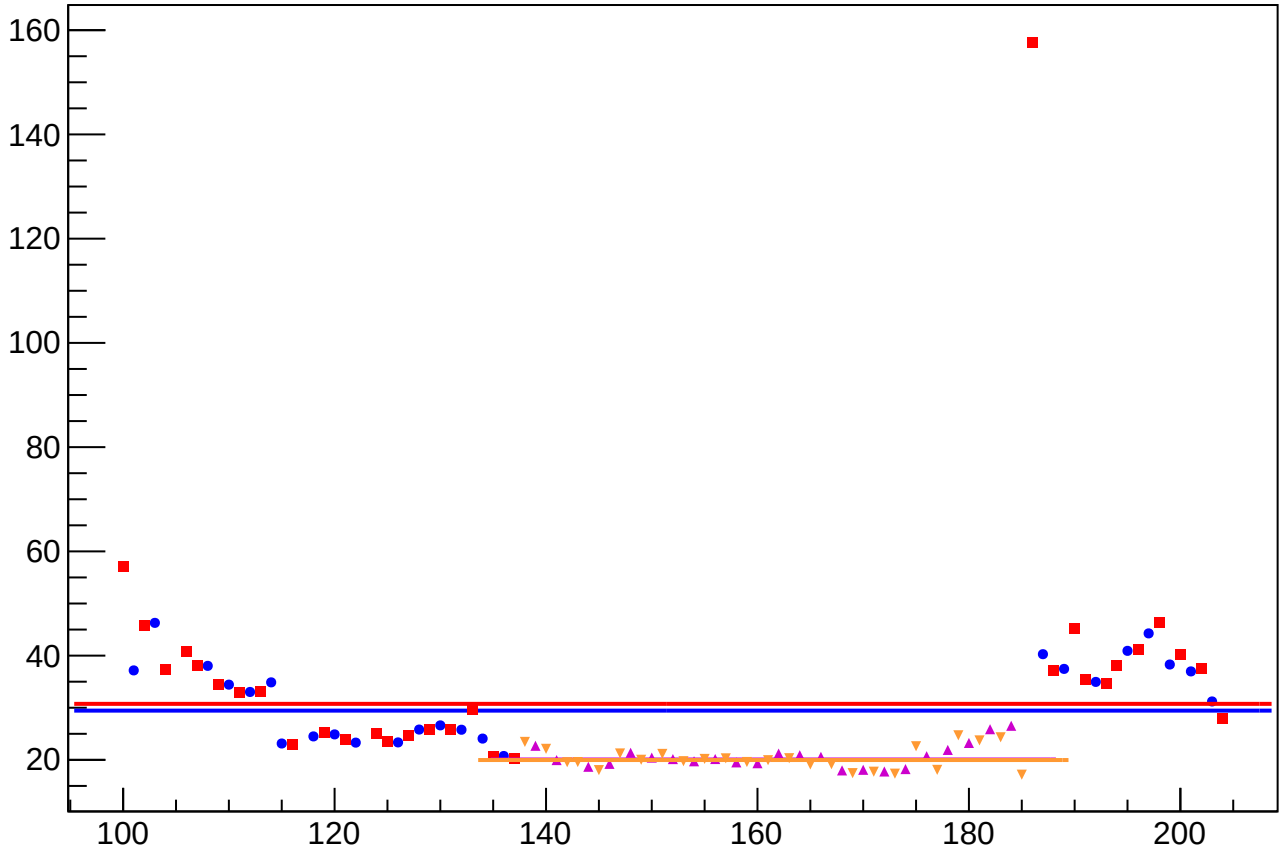
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.554+/-4.017 χ^2/NDF: 54.3/48

All: 2.286+/-2.866 χ^2/NDF: 123.1/101

- sign 5.231+/-4.091 χ^2/NDF: 67.8/52

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.449+/-0.006 χ^2/NDF: 1489427.5/23

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

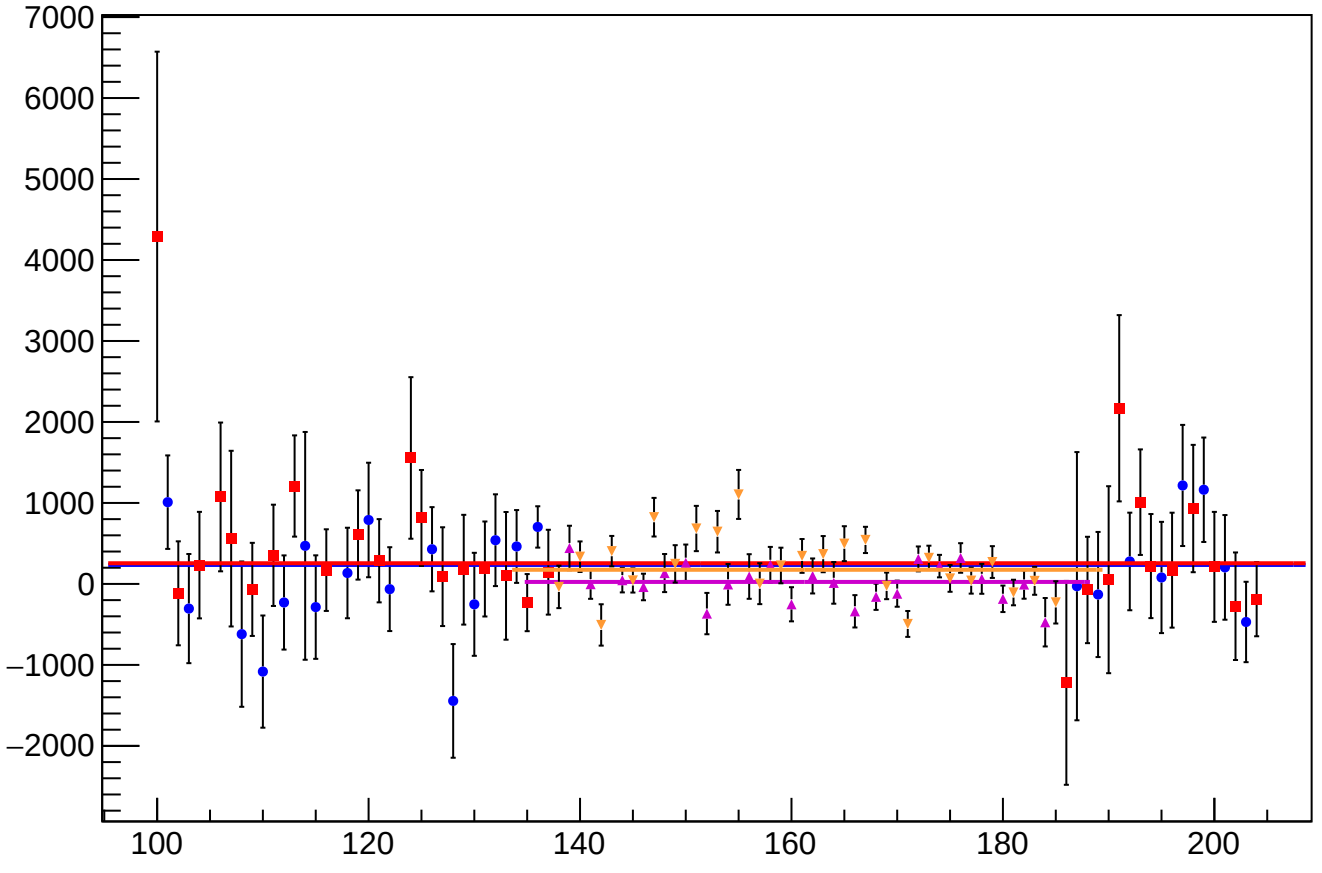
Right Out: 30.747+/-0.006 χ^2/NDF: 2202962.0/29

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.137+/-0.003 χ^2/NDF: 3841192.7/48

All: 22.433+/-0.002 χ^2/NDF: 8919721.5/101

- sign 22.739+/-0.003 χ^2/NDF: 5056441.9/52



Right In: 234.570+/-117.415 χ^2/NDF: 25.8/23

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

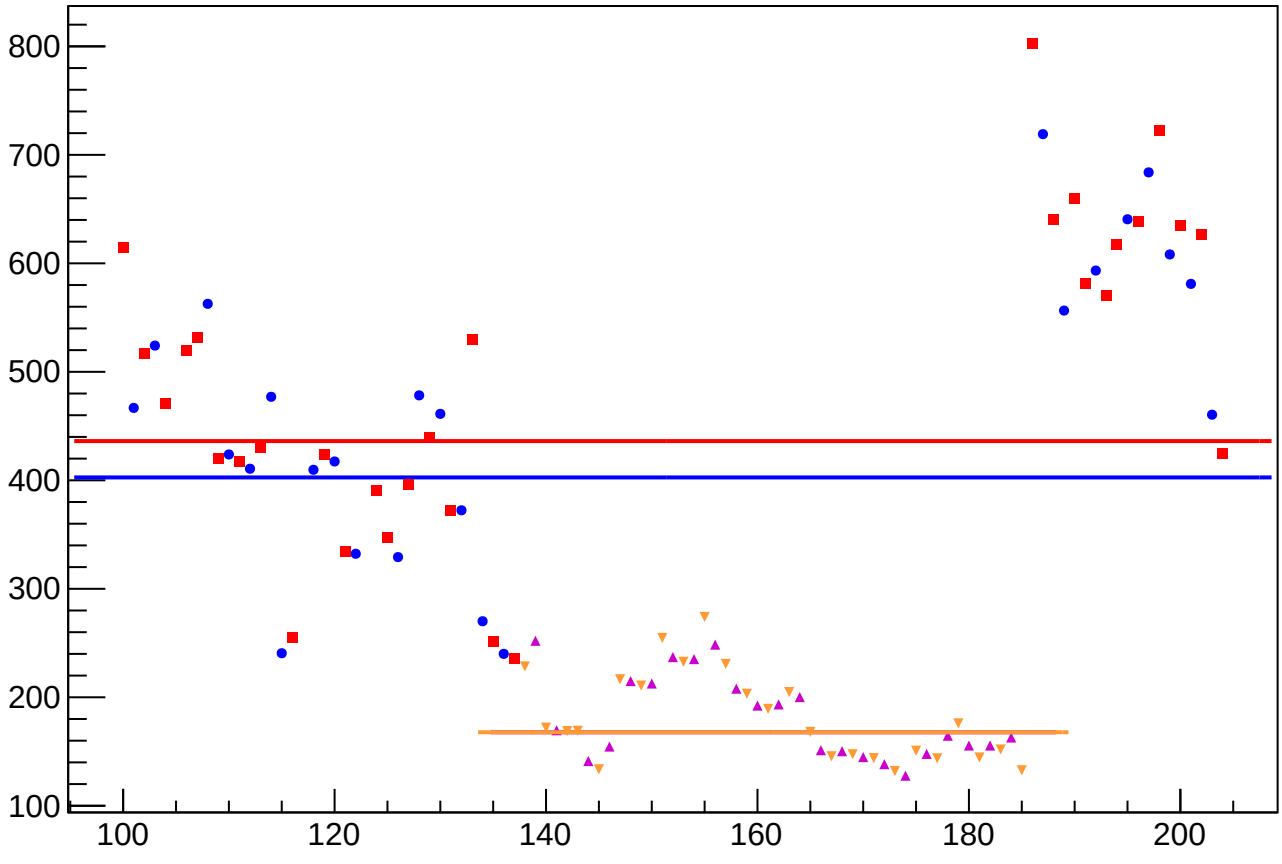
Right Out: 255.431+/-116.974 χ^2/NDF: 20.2/29

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 180.656+/-37.054 χ^2/NDF: 97.2/48

All: 116.246+/-26.498 χ^2/NDF: 154.0/101

- sign 48.832+/-37.908 χ^2/NDF: 50.6/52



Right In: 402.661+/-0.083 χ^2/NDF: 2657187.2/23

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 436.181+/-0.083 χ^2/NDF: 2851331.5/29

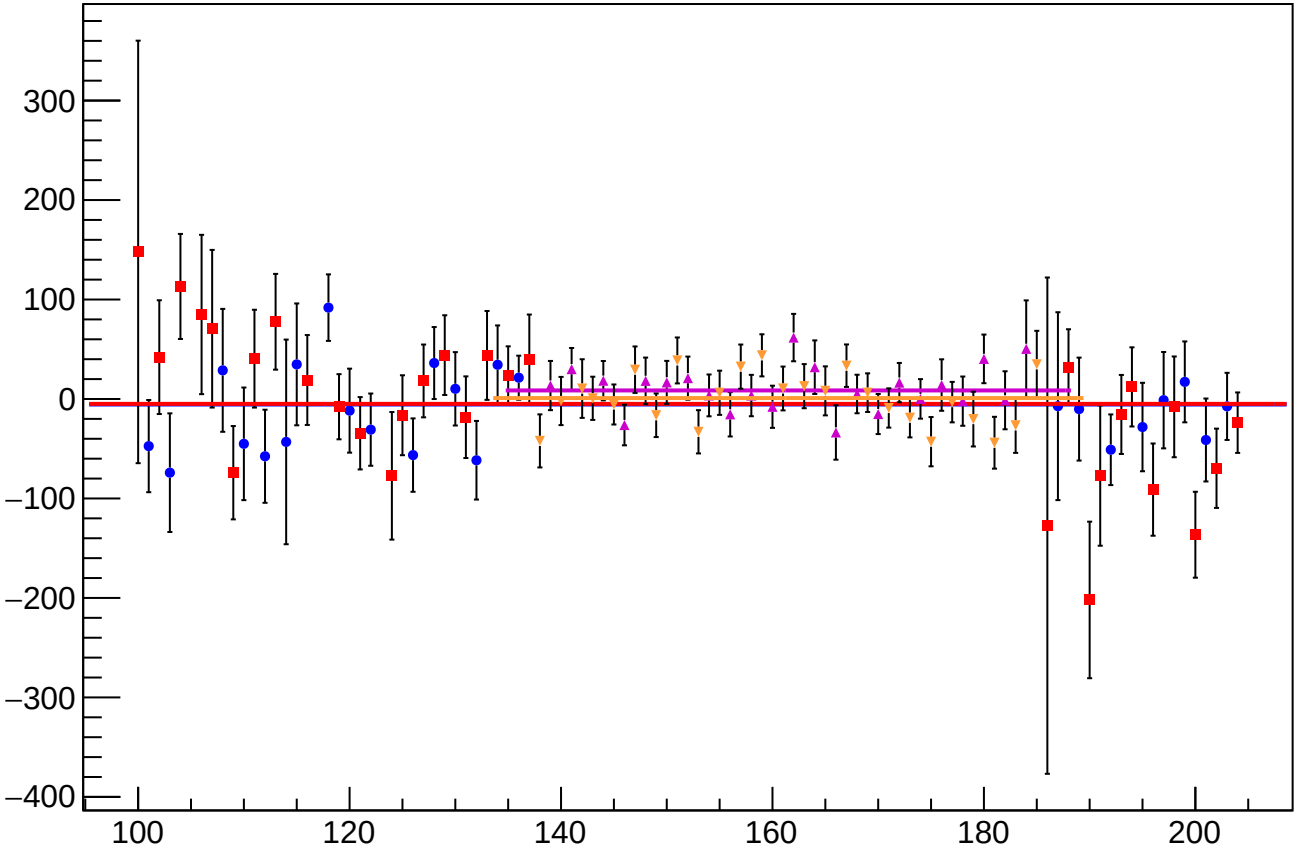
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 191.149+/-0.026 χ^2/NDF: 11443433.1/48

All: 193.489+/-0.019 χ^2/NDF: 25140297.0/10

- sign 195.939+/-0.027 χ^2/NDF: 13680530.1/52

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -5.510+/-8.399 χ^2/NDF: 24.6/23

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -4.913+/-8.186 χ^2/NDF: 46.3/29

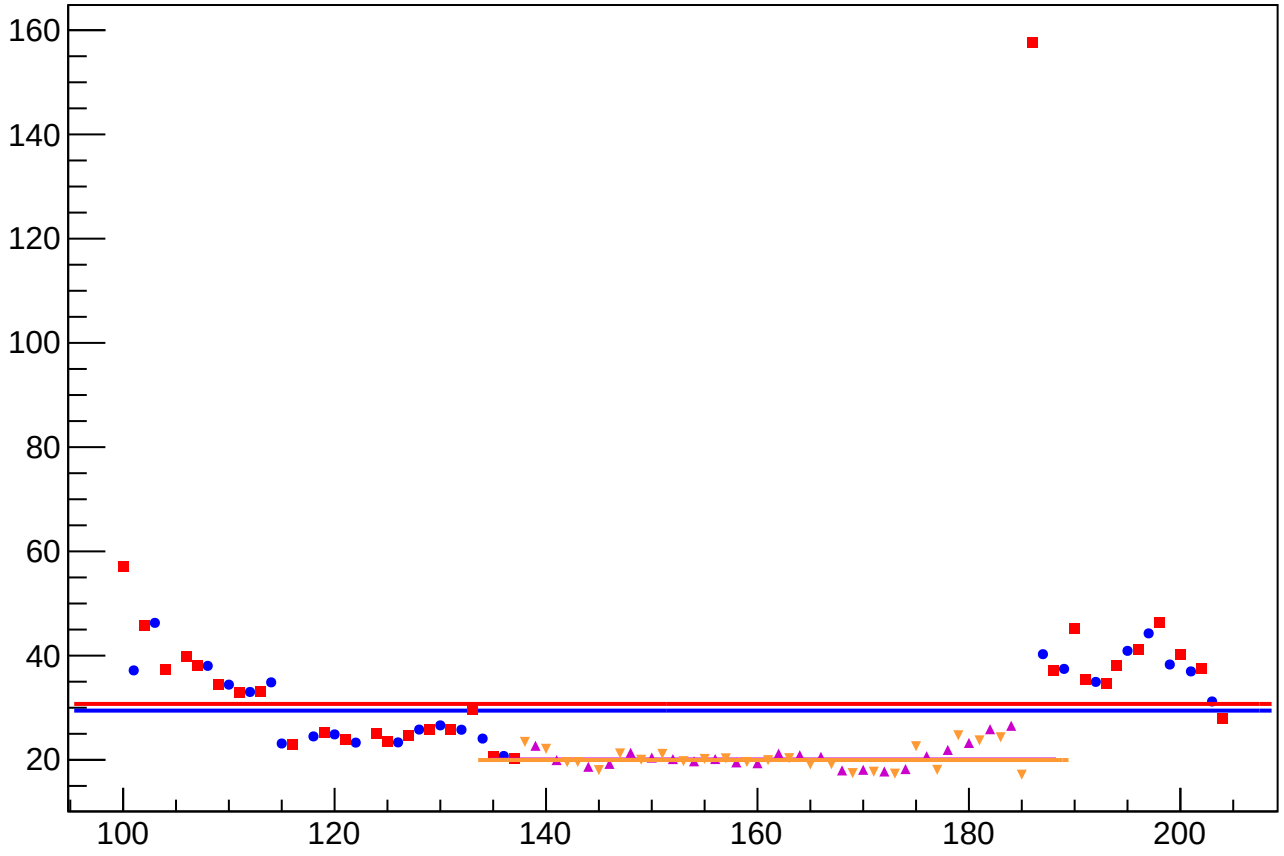
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.555+/-4.017 χ^2/NDF: 54.3/48

All: 2.282+/-2.866 χ^2/NDF: 123.0/101

- sign 5.225+/-4.091 χ^2/NDF: 67.7/52

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.449+/-0.006 χ^2/NDF: 1489430.7/23

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

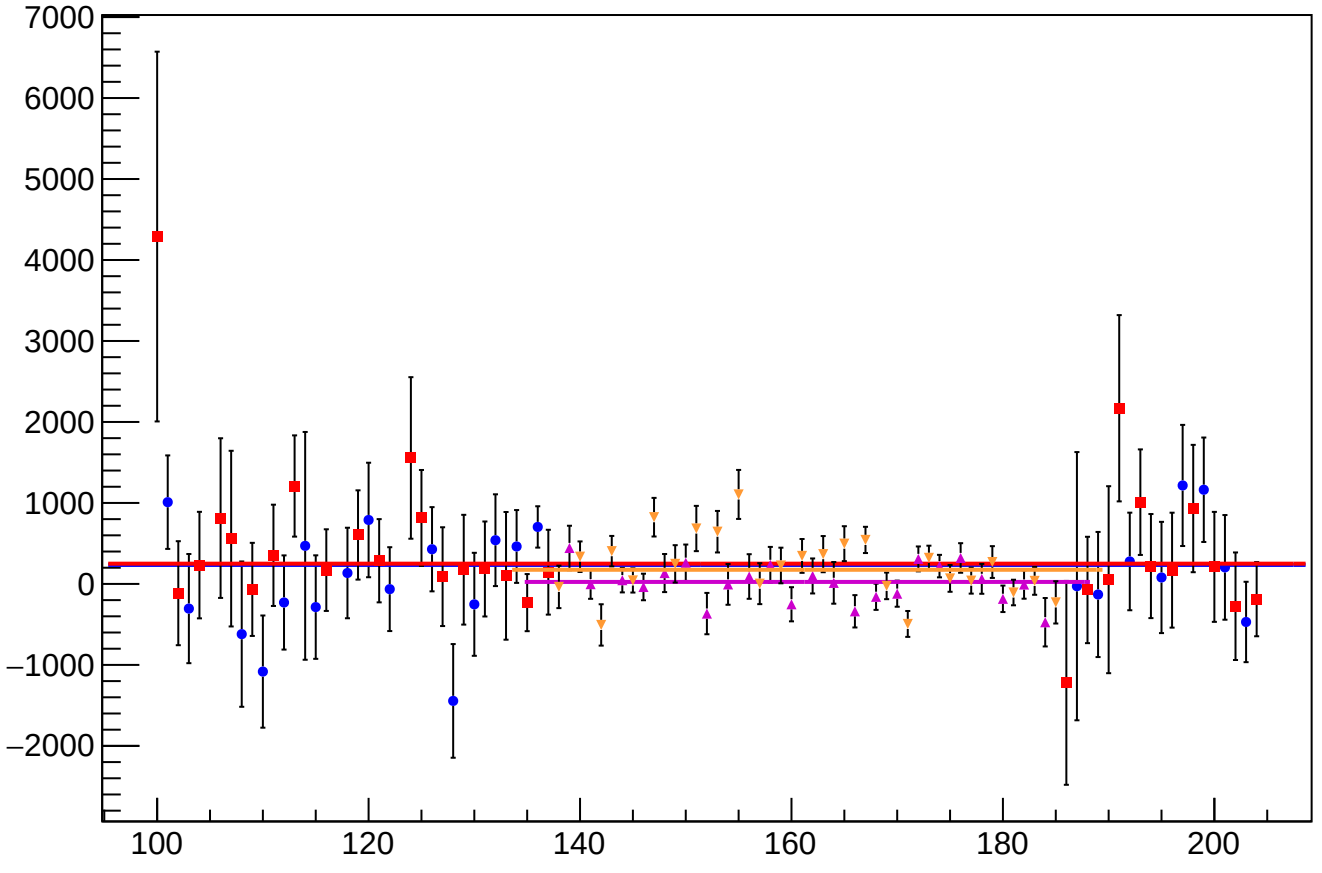
Right Out: 30.734+/-0.006 χ^2/NDF: 2196133.1/29

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.137+/-0.003 χ^2/NDF: 3841196.1/48

All: 22.431+/-0.002 χ^2/NDF: 8905931.3/101

- sign 22.736+/-0.003 χ^2/NDF: 5042920.1/52



Right In: 234.565+/-117.415 χ^2/NDF: 25.8/23

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

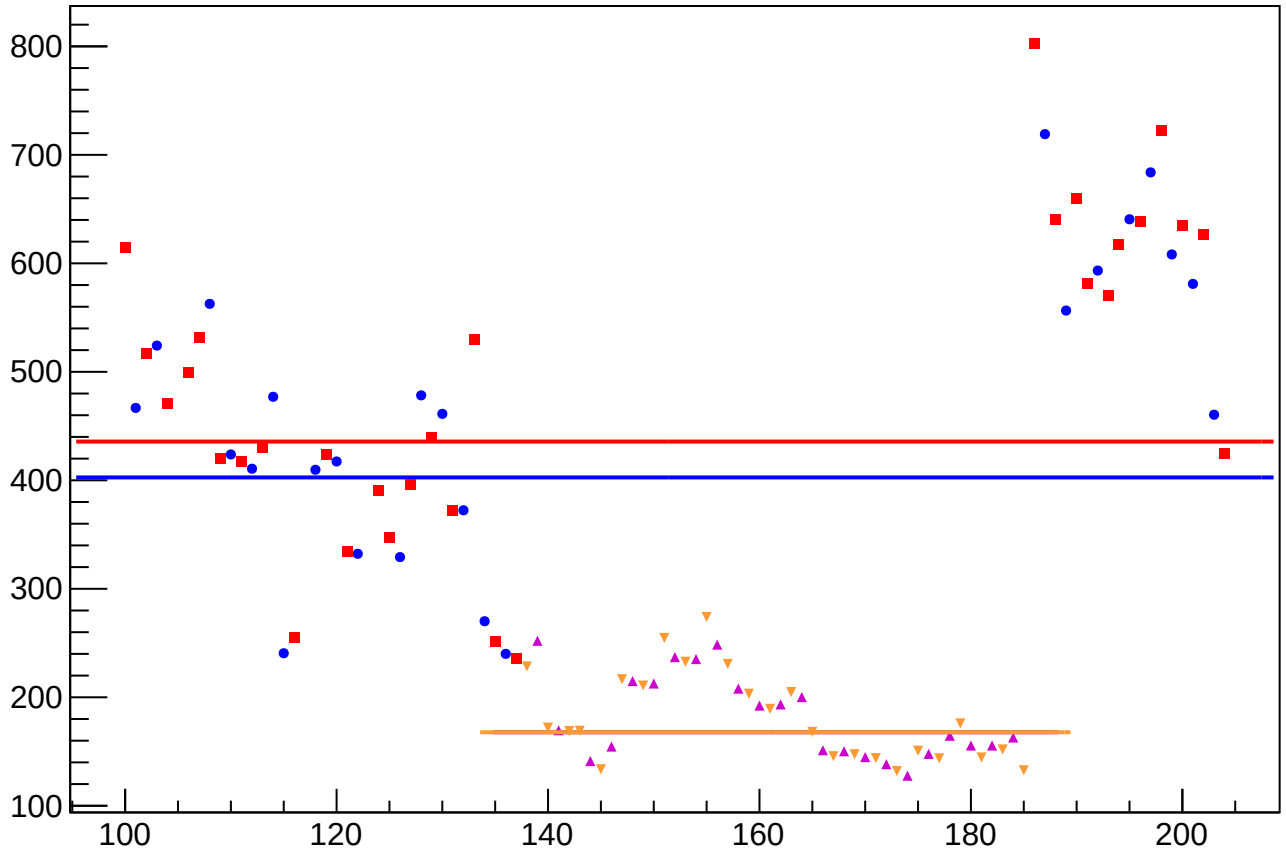
Right Out: 250.056+/-117.101 χ^2/NDF: 19.7/29

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 180.654+/-37.054 χ^2/NDF: 97.2/48

All: 115.955+/-26.499 χ^2/NDF: 153.4/101

- sign 48.223+/-37.912 χ^2/NDF: 49.9/52



Right In: 402.661+/-0.083 χ^2/NDF: 2657213.2/23

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 435.720+/-0.083 χ^2/NDF: 2843120.4/29

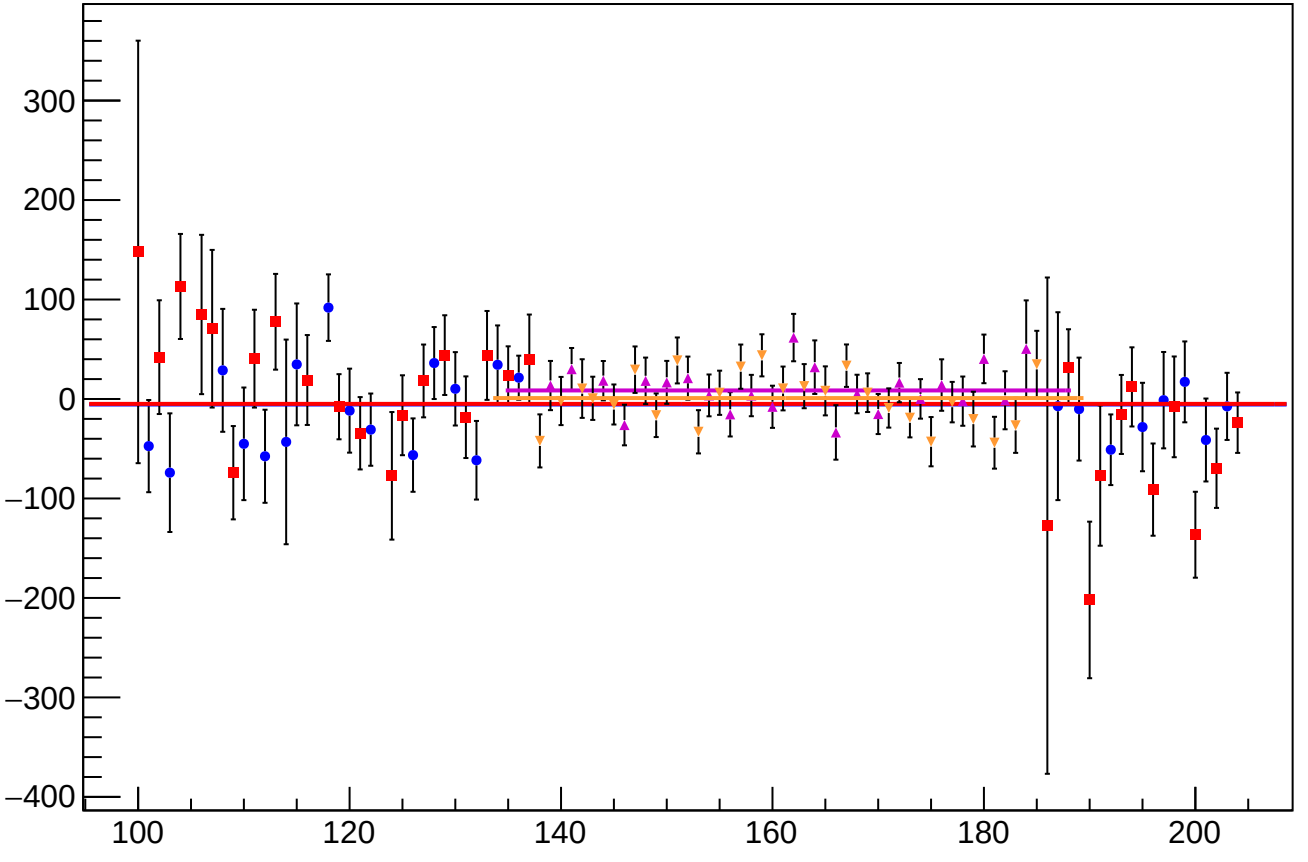
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 191.149+/-0.026 χ^2/NDF: 11443457.4/48

All: 193.439+/-0.019 χ^2/NDF: 25080903.3/10

- sign 195.836+/-0.027 χ^2/NDF: 13621807.0/52

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -5.510+/-8.399 χ^2/NDF: 24.6/23

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -4.913+/-8.186 χ^2/NDF: 46.3/29

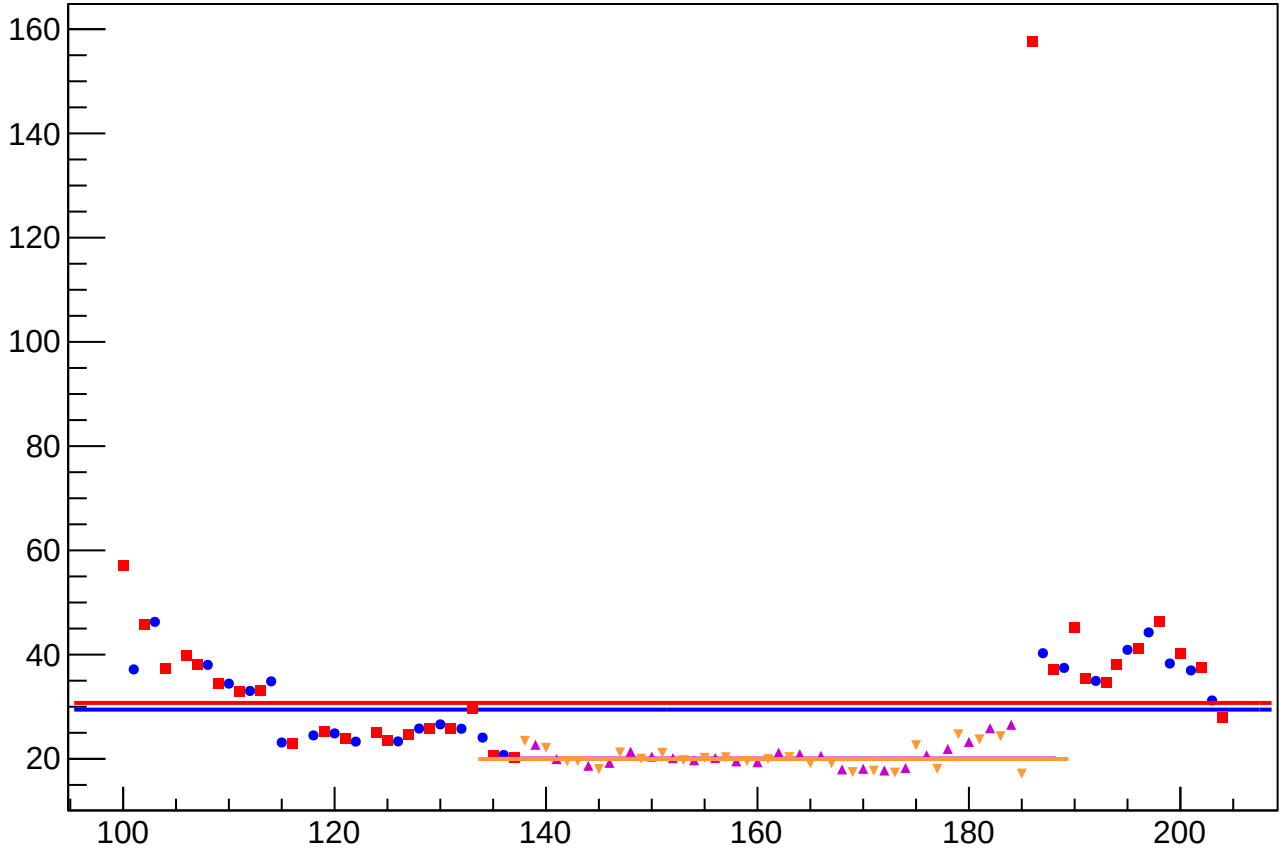
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.555+/-4.017 χ^2/NDF: 54.3/48

All: 2.282+/-2.866 χ^2/NDF: 123.0/101

- sign 5.225+/-4.091 χ^2/NDF: 67.7/52

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.449+/-0.006 χ^2/NDF: 1489430.7/23

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

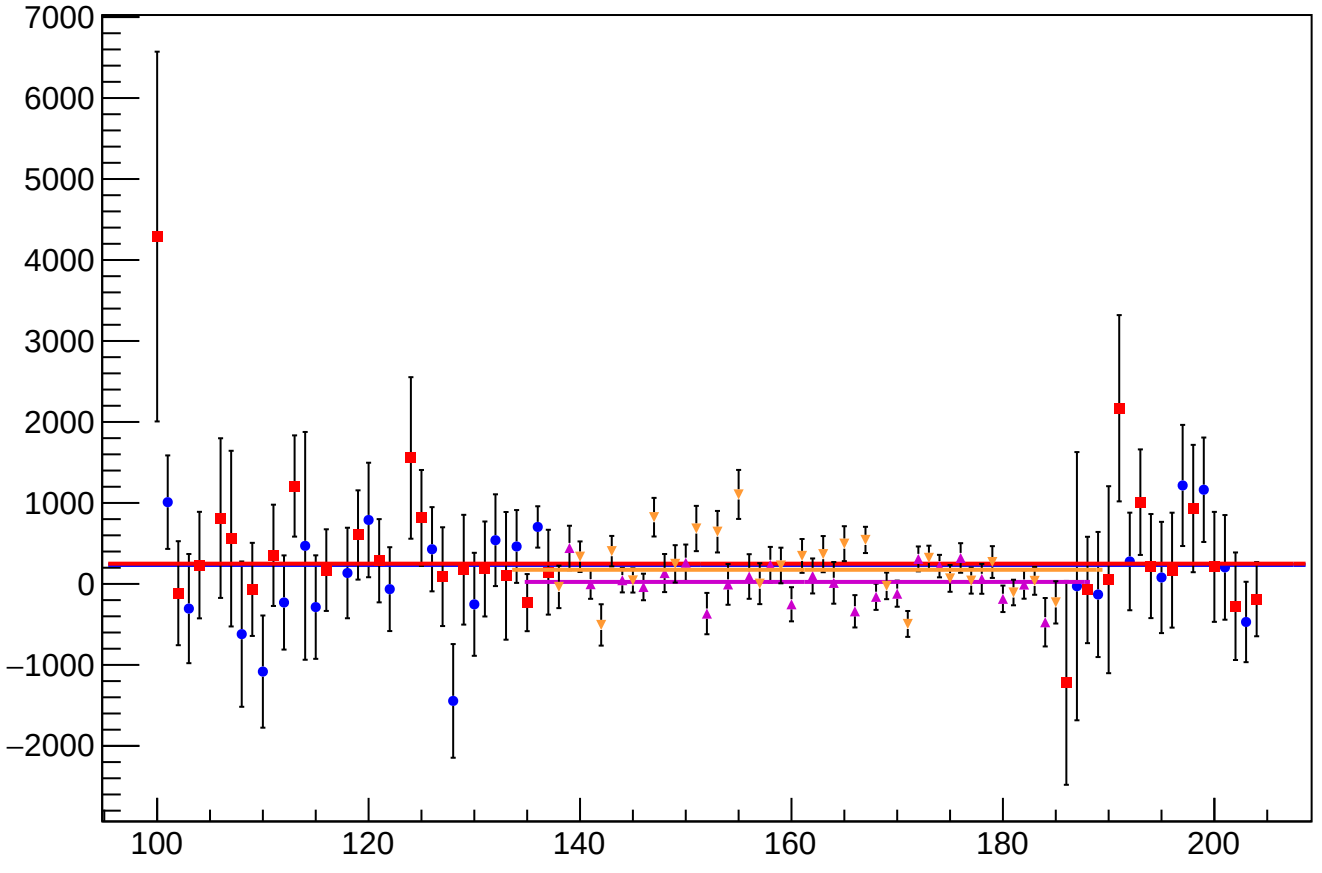
Right Out: 30.734+/-0.006 χ^2/NDF: 2196133.1/29

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.137+/-0.003 χ^2/NDF: 3841196.1/48

All: 22.431+/-0.002 χ^2/NDF: 8905931.3/101

- sign 22.736+/-0.003 χ^2/NDF: 5042920.1/52



Right In: 234.565+/-117.415 χ^2/NDF: 25.8/23

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

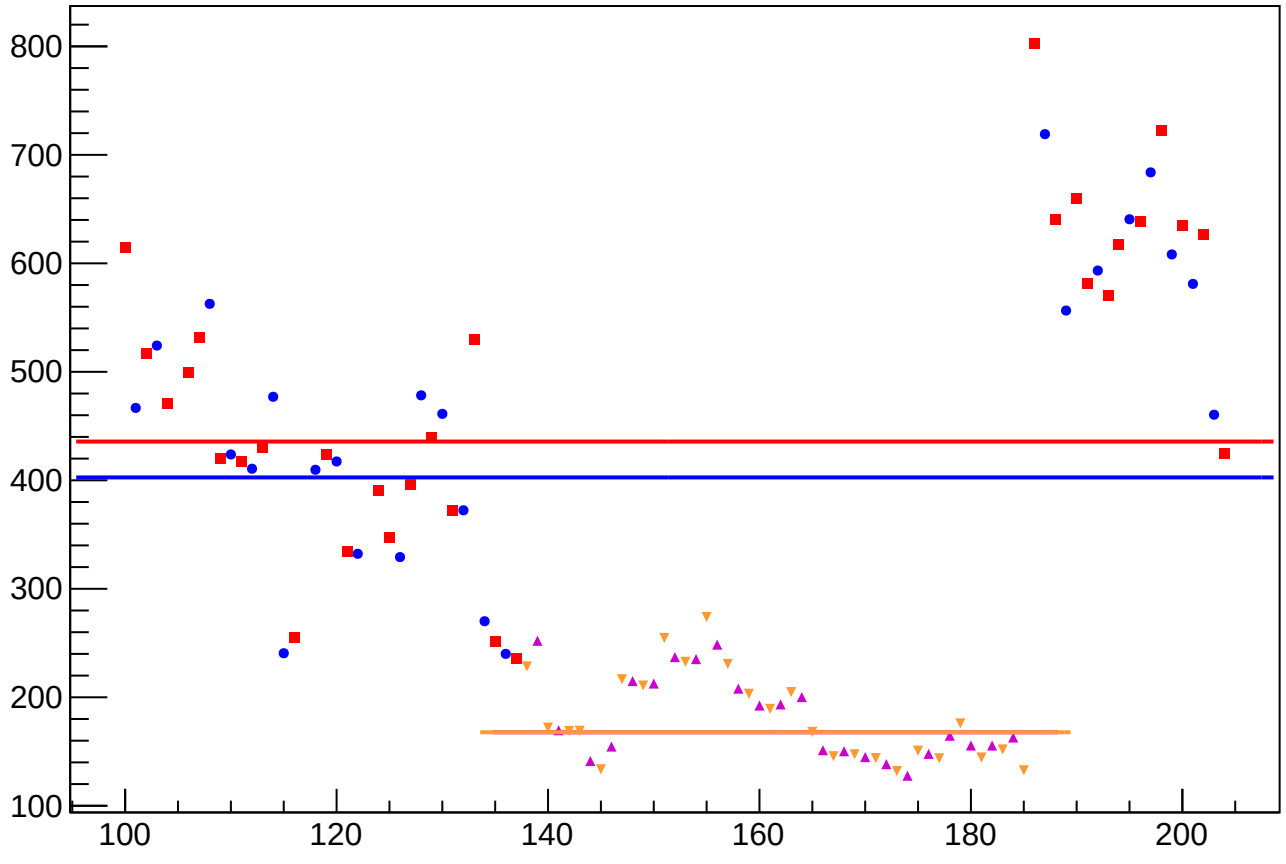
Right Out: 250.056+/-117.101 χ^2/NDF: 19.7/29

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 180.654+/-37.054 χ^2/NDF: 97.2/48

All: 115.955+/-26.499 χ^2/NDF: 153.4/101

- sign 48.223+/-37.912 χ^2/NDF: 49.9/52



Right In: 402.661+/-0.083 χ^2/NDF: 2657213.2/23

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 435.720+/-0.083 χ^2/NDF: 2843120.4/29

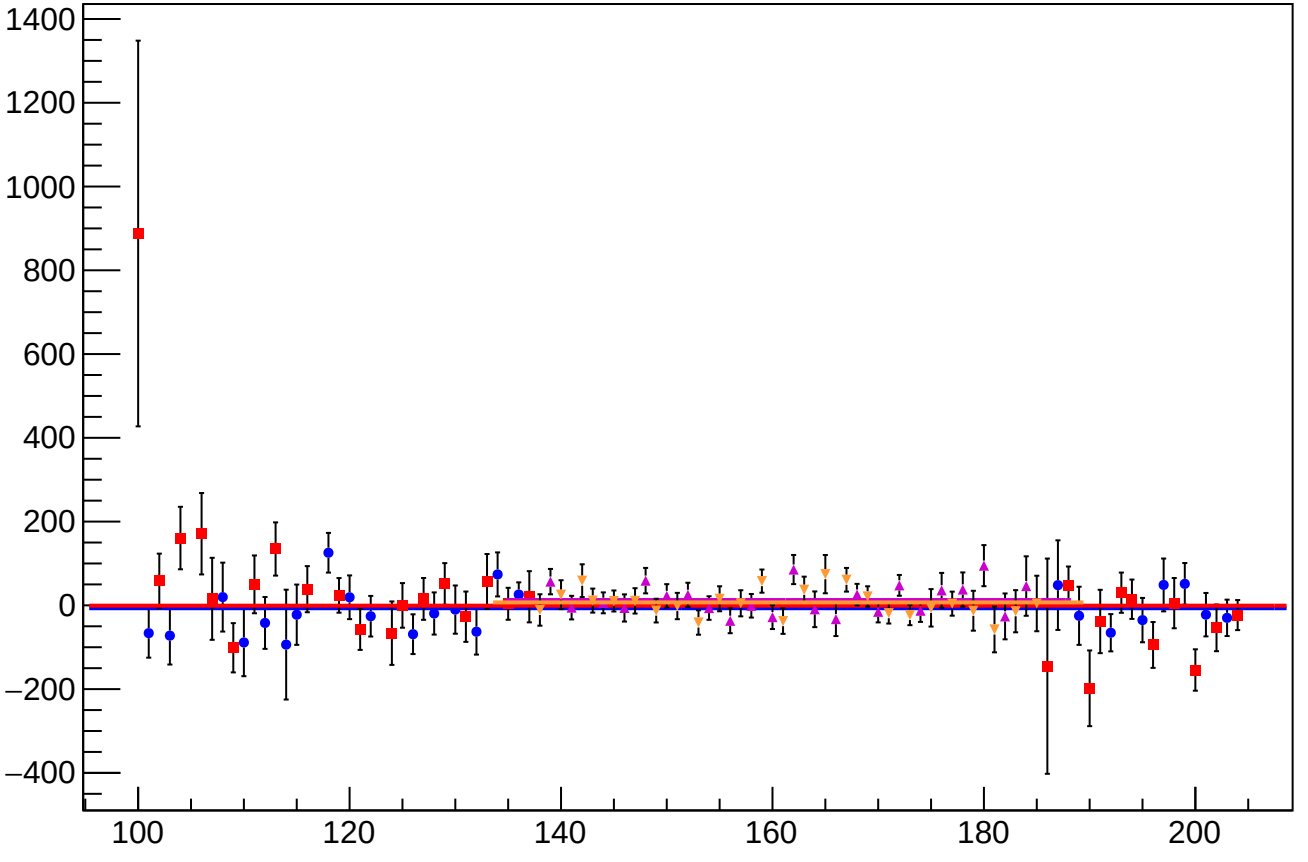
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 191.149+/-0.026 χ^2/NDF: 11443457.4/48

All: 193.439+/-0.019 χ^2/NDF: 25080903.3/10

- sign 195.836+/-0.027 χ^2/NDF: 13621807.0/52

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -6.840+/-10.983 χ^2/NDF: 23.4/23

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -0.770+/-10.373 χ^2/NDF: 46.4/29

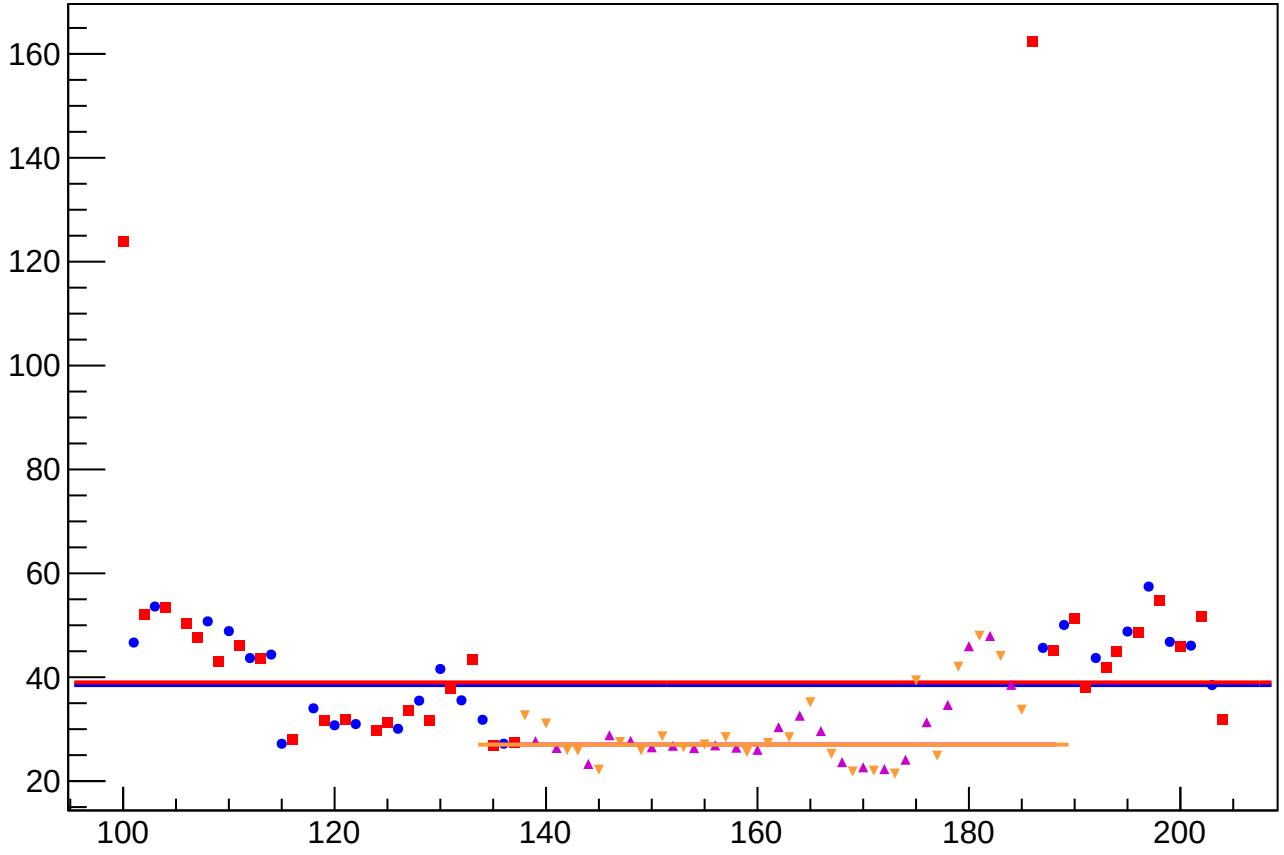
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.606+/-5.486 χ^2/NDF: 47.3/48

All: 6.233+/-3.890 χ^2/NDF: 121.1/101

- sign 8.889+/-5.516 χ^2/NDF: 73.3/52

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 38.489+/-0.008 χ^2/NDF: 1252971.8/23

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 39.003+/-0.007 χ^2/NDF: 1906715.6/29

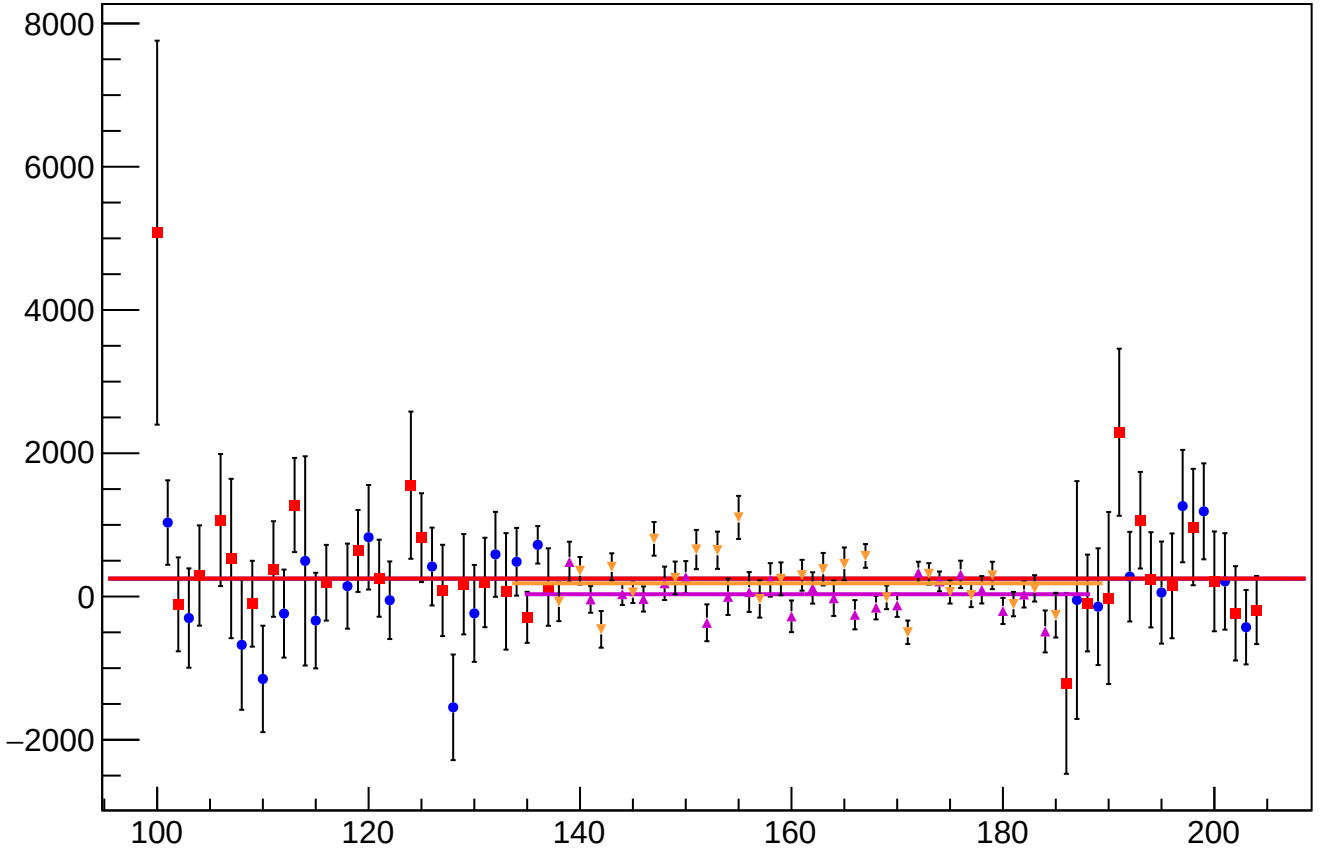
Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 29.887+/-0.004 χ^2/NDF: 4318461.5/48

All: 30.158+/-0.003 χ^2/NDF: 9183202.2/101

- sign 30.431+/-0.004 χ^2/NDF: 4854937.5/52

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 249.202+/-122.186 χ^2/NDF: 25.4/23

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

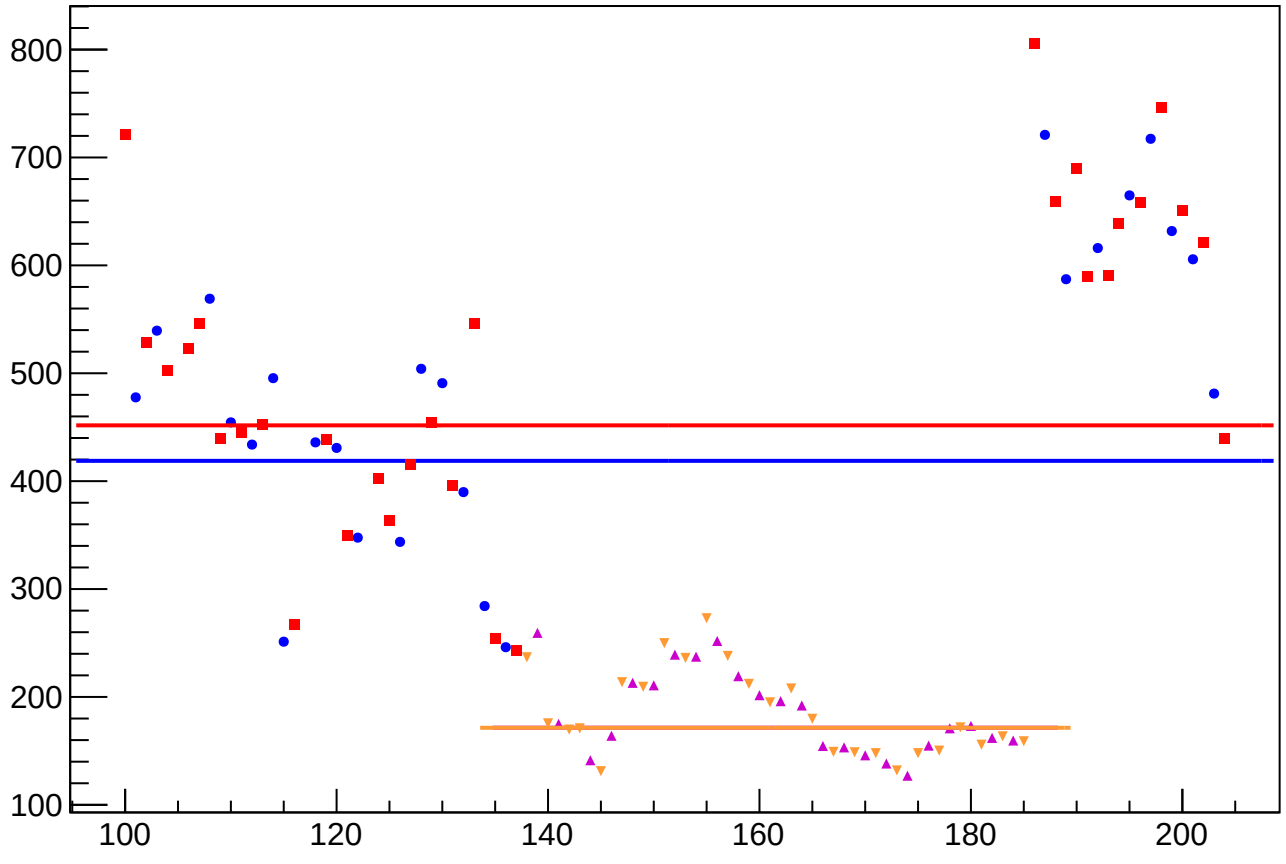
Right Out: 251.000+/-121.046 χ^2/NDF: 21.0/29

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 190.874+/-37.870 χ^2/NDF: 93.4/48

All: 124.320+/-27.105 χ^2/NDF: 150.1/101

- sign 54.417+/-38.812 χ^2/NDF: 50.3/52



Right In: 418.822+/-0.086 χ^2/NDF: 2699376.9/23

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 451.720+/-0.086 χ^2/NDF: 2823779.8/29

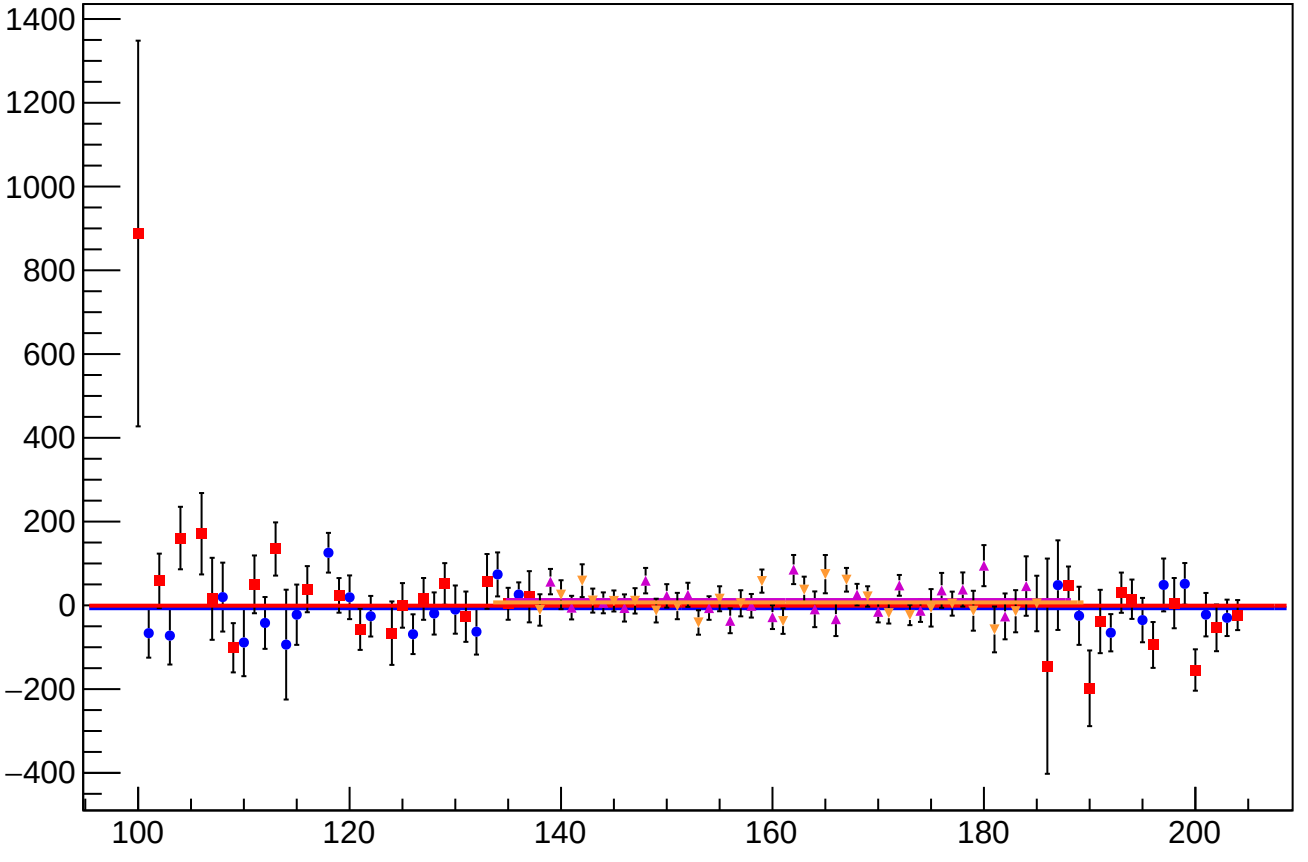
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 195.192+/-0.027 χ^2/NDF: 11637729.0/48

All: 197.683+/-0.019 χ^2/NDF: 25512070.0/10

- sign 200.299+/-0.027 χ^2/NDF: 13856602.4/52

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -6.841+/-10.983 χ^2/NDF: 23.4/23

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -0.770+/-10.373 χ^2/NDF: 46.4/29

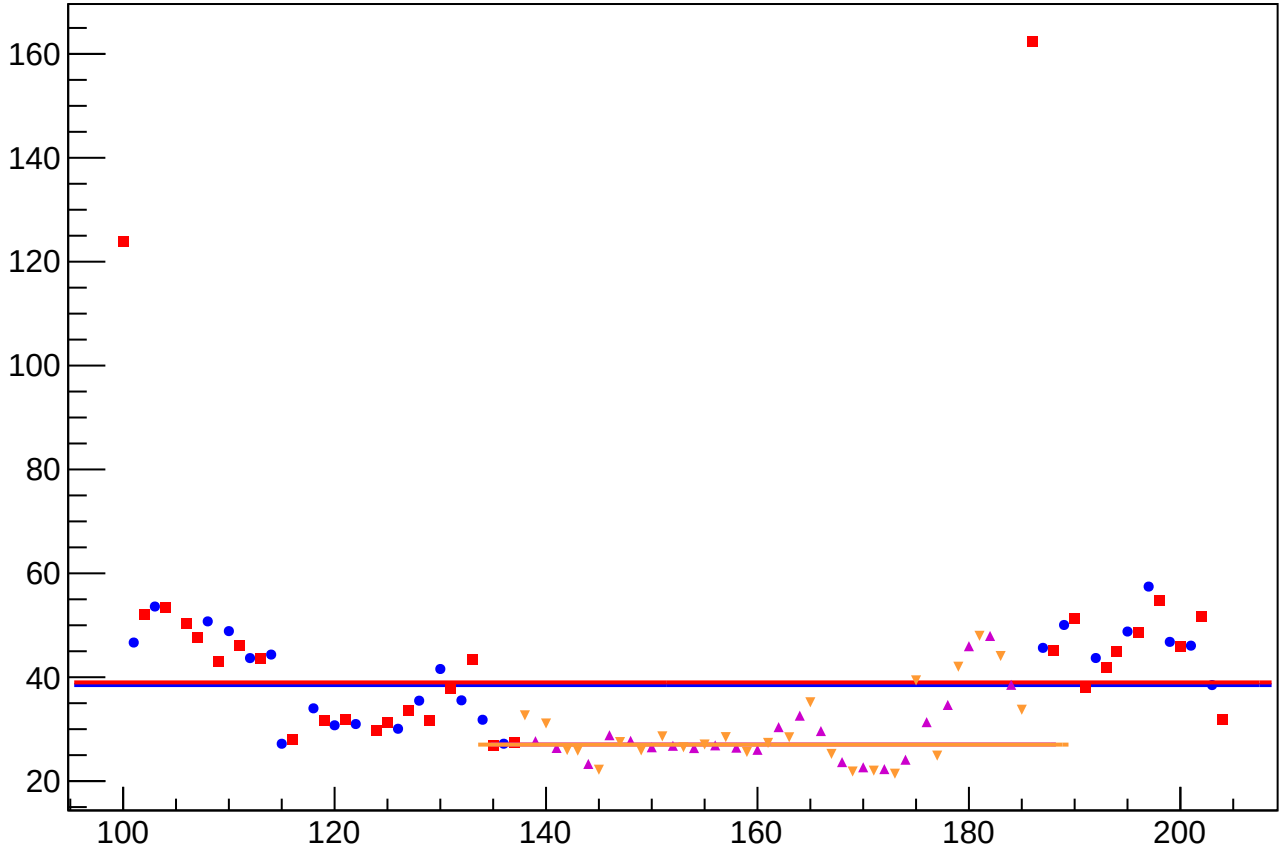
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.606+/-5.486 χ^2/NDF: 47.3/48

All: 6.233+/-3.890 χ^2/NDF: 121.1/101

- sign 8.889+/-5.516 χ^2/NDF: 73.3/52

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 38.489+/-0.008 χ^2/NDF: 1252977.0/23

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

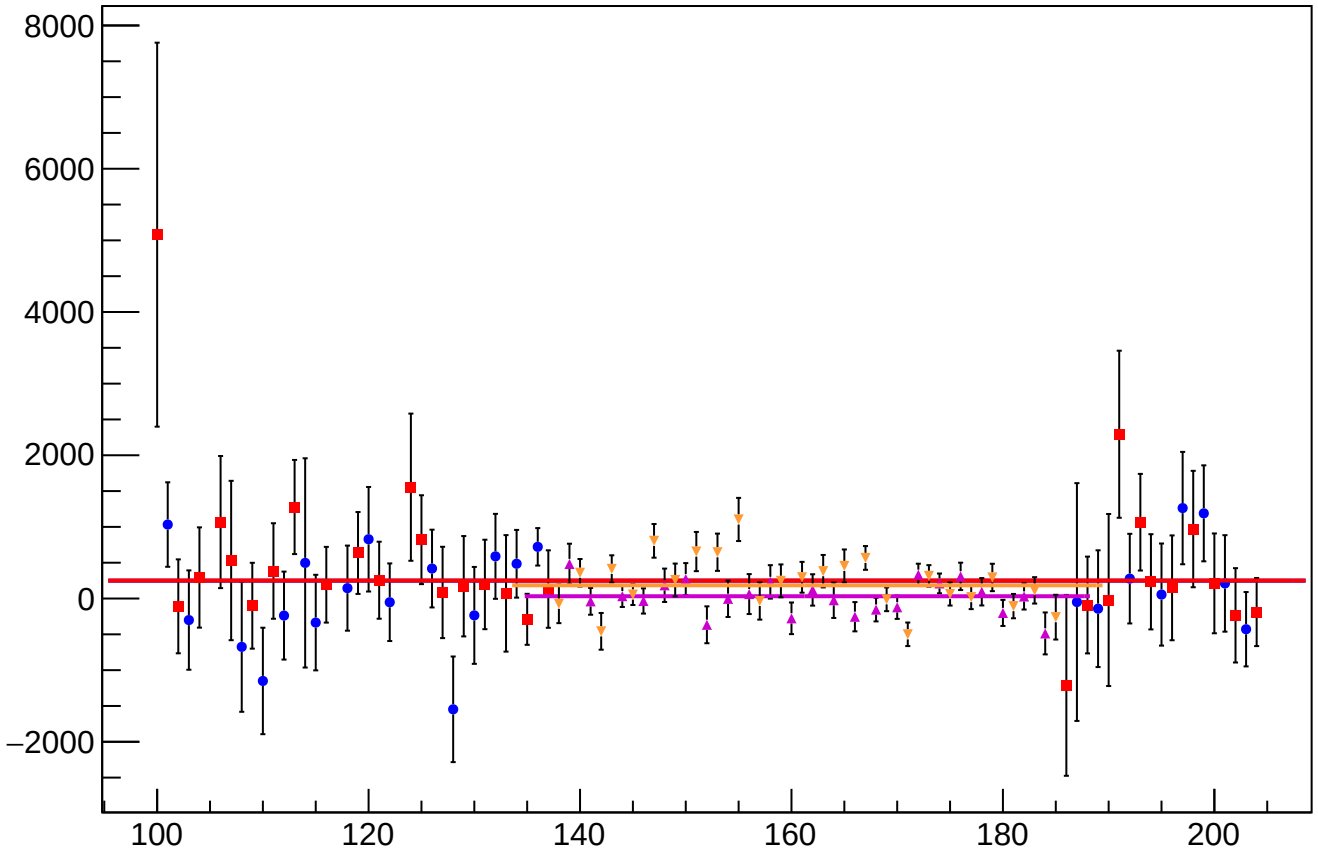
Right Out: 39.003+/-0.007 χ^2/NDF: 1906746.1/29

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 29.887+/-0.004 χ^2/NDF: 4318357.4/48

All: 30.158+/-0.003 χ^2/NDF: 9183004.8/101

- sign 30.431+/-0.004 χ^2/NDF: 4854845.0/52



Right In: 249.200+/-122.186 χ^2/NDF: 25.4/23

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

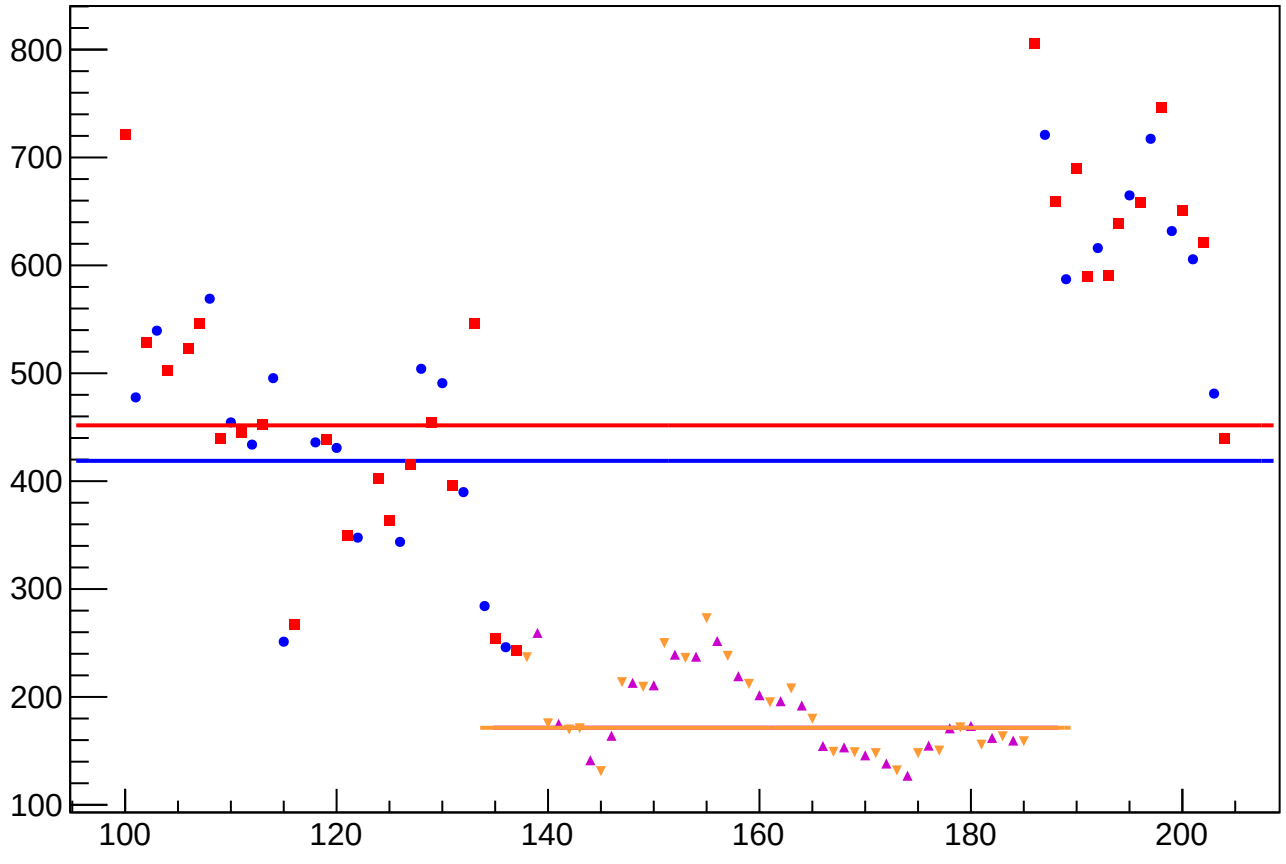
Right Out: 251.000+/-121.046 χ^2/NDF: 21.0/29

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 190.873+/-37.870 χ^2/NDF: 93.4/48

All: 124.319+/-27.105 χ^2/NDF: 150.1/101

- sign 54.417+/-38.811 χ^2/NDF: 50.3/52



Right In: 418.821+/-0.086 χ^2/NDF: 2699381.8/23

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 451.719+/-0.086 χ^2/NDF: 2823791.0/29

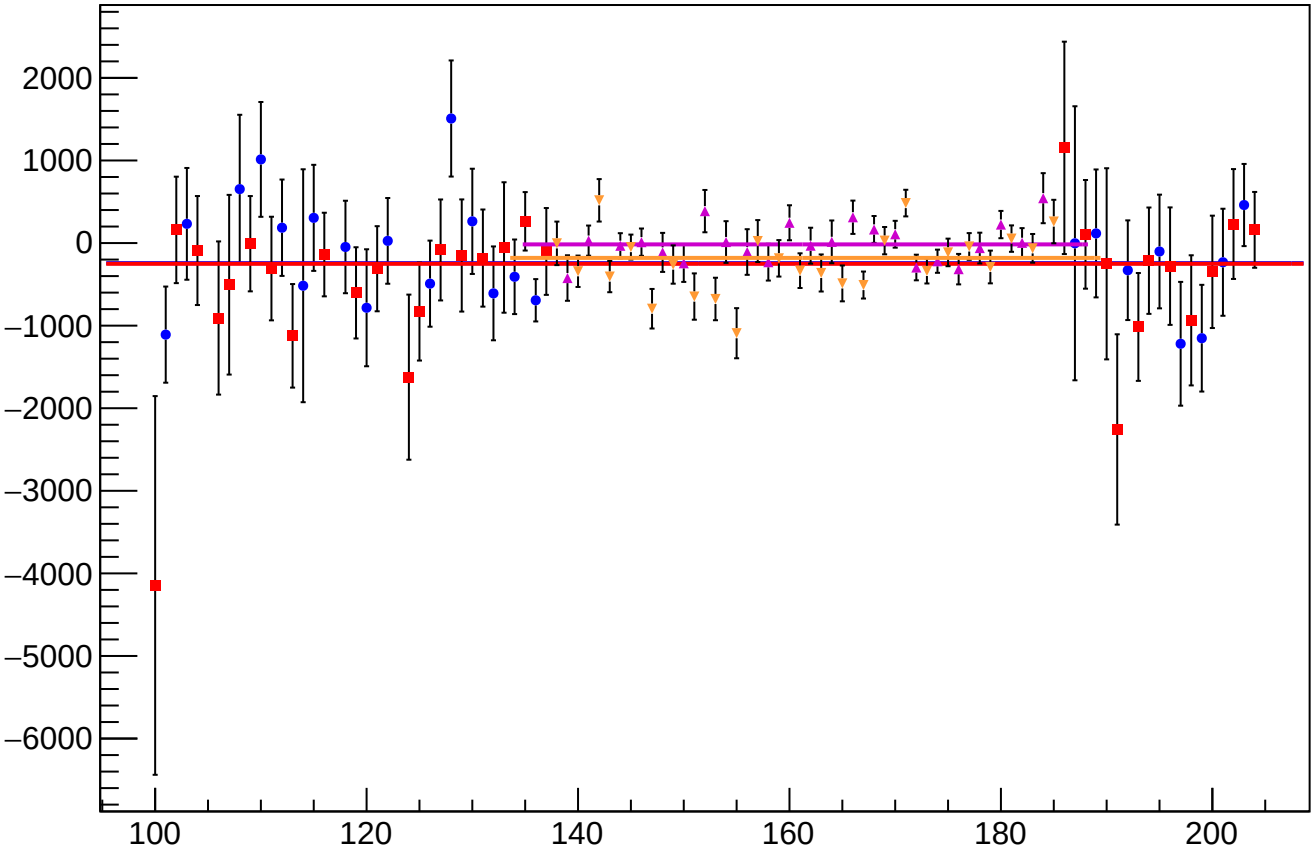
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 195.192+/-0.027 χ^2/NDF: 11637760.6/48

All: 197.682+/-0.019 χ^2/NDF: 25512144.1/10

- sign 200.298+/-0.027 χ^2/NDF: 13856645.7/52

asym_sam_1357_2468_dd_mean vs Slug



Right In: -243.397+/-117.795 χ^2/NDF: 25.9/23

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -250.969+/-117.330 χ^2/NDF: 19.7/29

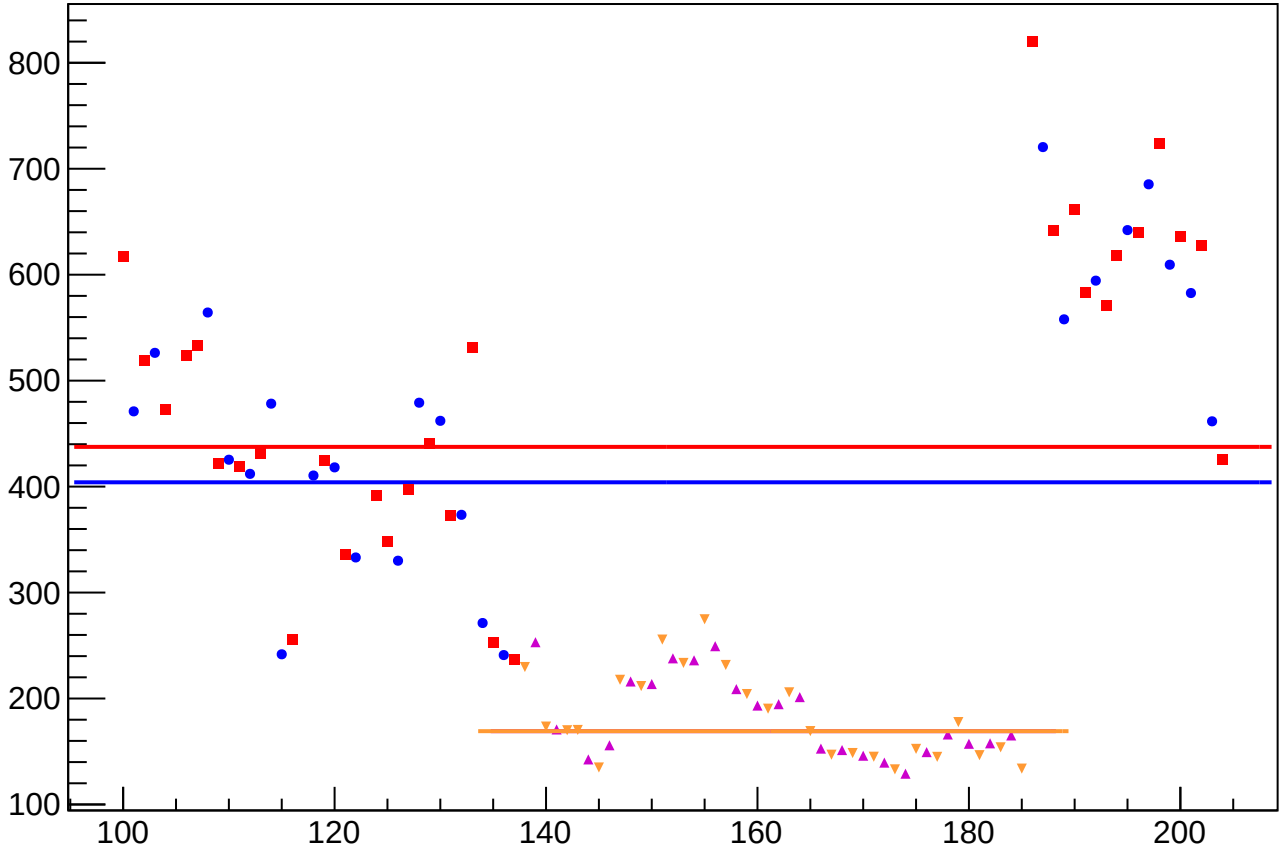
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -186.059+/-37.334 χ^2/NDF: 93.3/48

All: -115.161+/-26.699 χ^2/NDF: 150.6/101

- sign -40.952+/-38.196 χ^2/NDF: 49.9/52

asym_sam_1357_2468_dd_rms vs Slug



Right In: 404.062+/-0.083 χ^2/NDF: 2648795.6/23

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

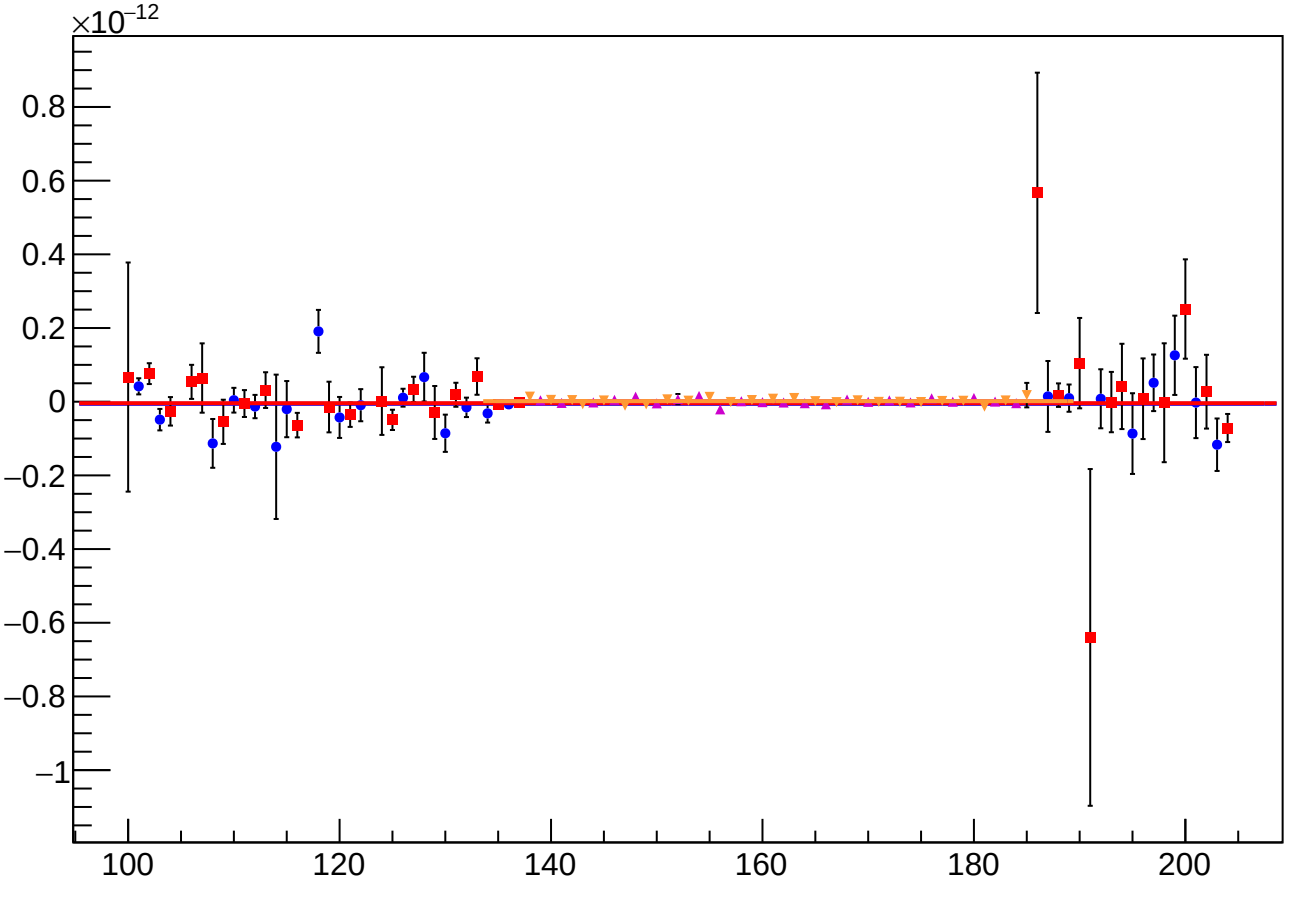
Right Out: 437.492+/-0.083 χ^2/NDF: 2851546.5/29

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 192.776+/-0.026 χ^2/NDF: 11349648.9/48

All: 195.143+/-0.019 χ^2/NDF: 24942306.1/10

- sign 197.621+/-0.027 χ^2/NDF: 13576197.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

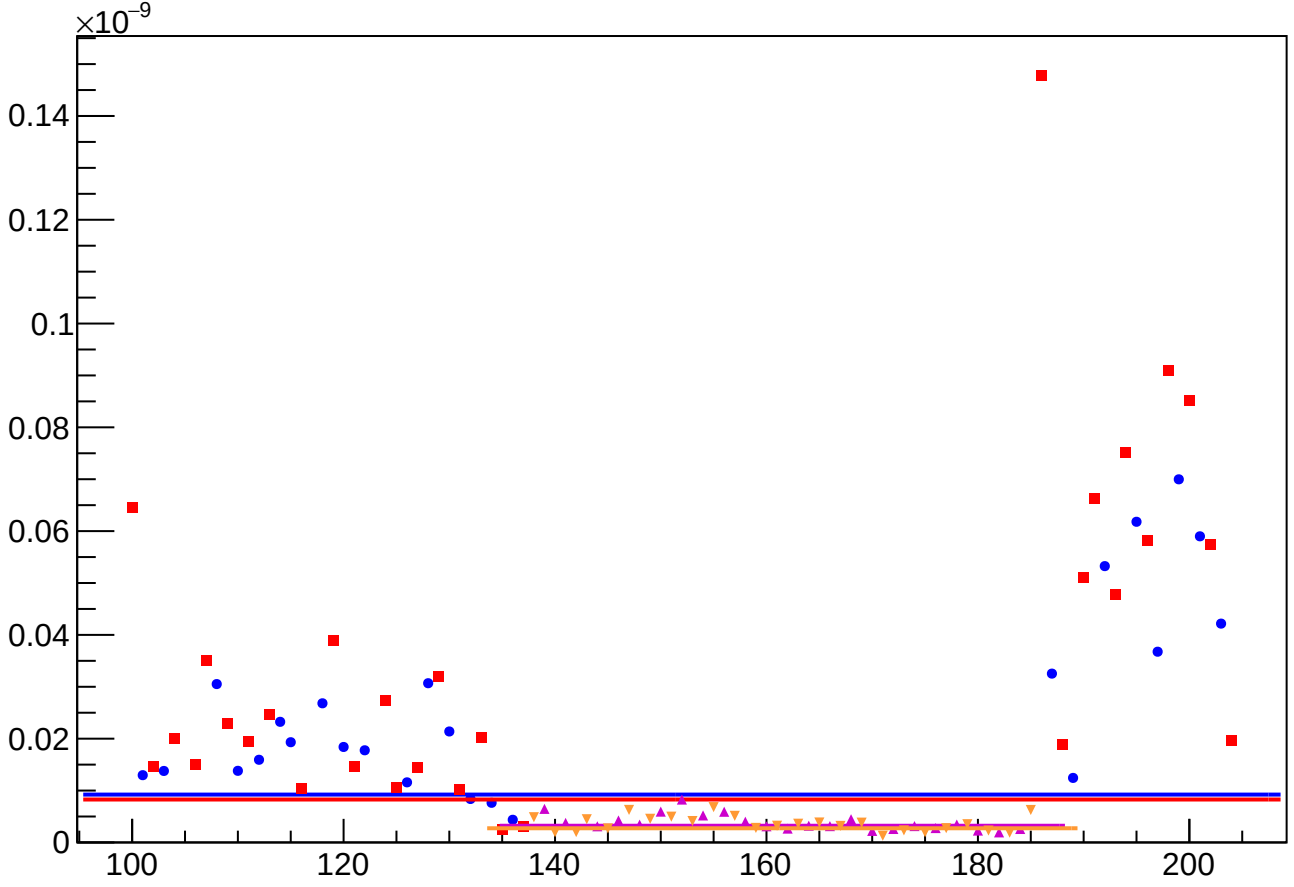
Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/29

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.0/48

All: 0.000+/-0.000 χ^2/NDF: 109.8/101

- sign 0.000+/-0.000 χ^2/NDF: 56.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 5096004.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

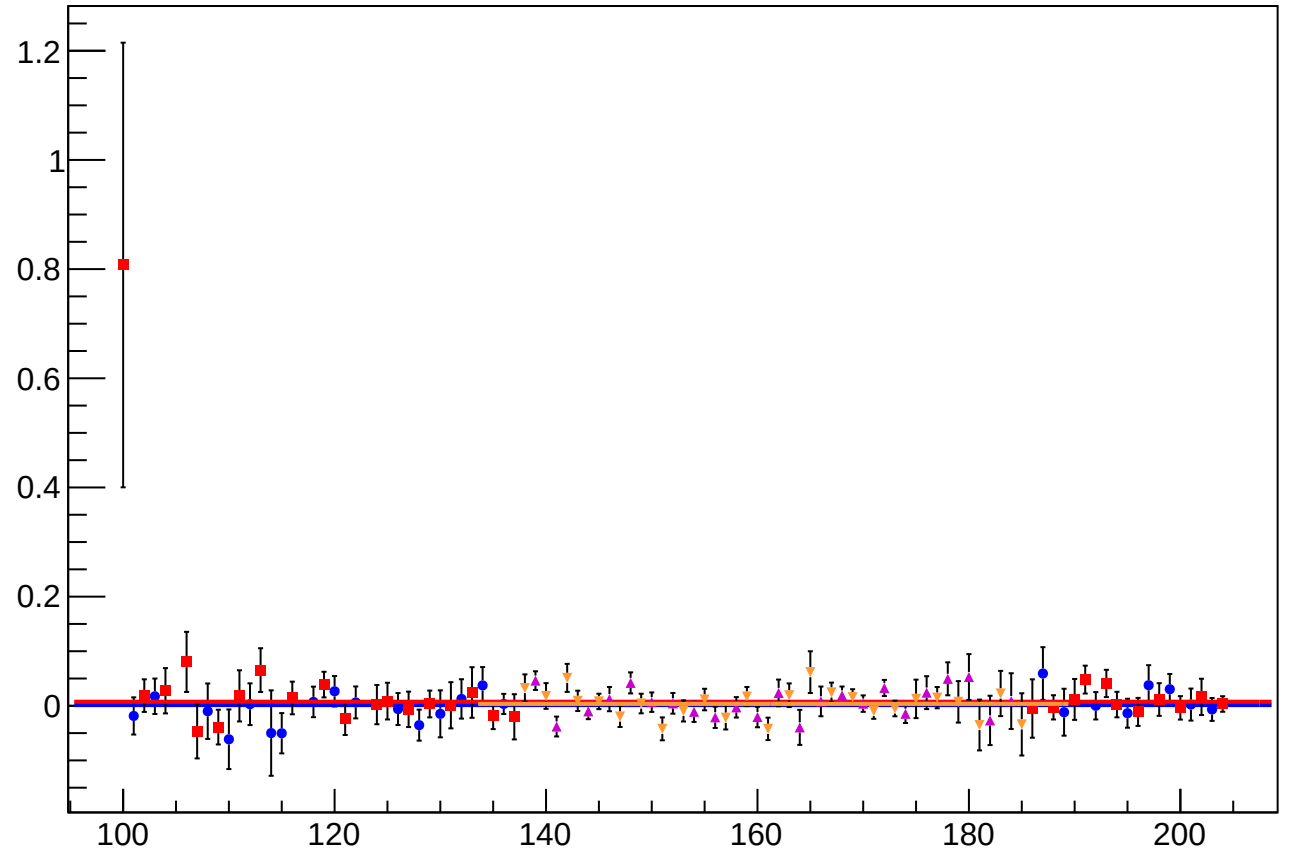
Right Out: 0.000+/-0.000 χ^2/NDF: 7779104.8/29

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9644234.0/48

All: 0.000+/-0.000 χ^2/NDF: 20616835.0/101

- sign 0.000+/-0.000 χ^2/NDF: 10802258.5/52



Right In: 0.001+/-0.006 χ^2/NDF: 12.4/23

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

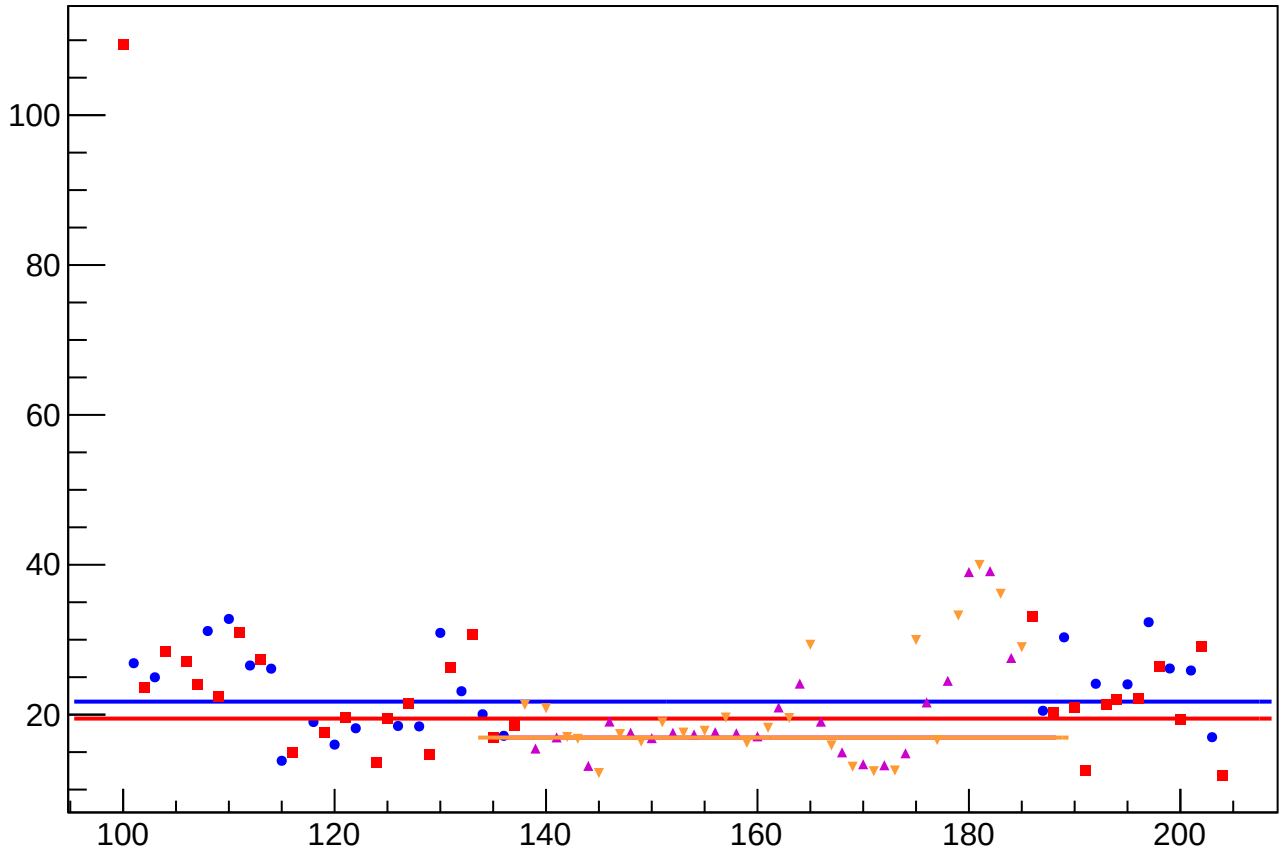
Right Out: 0.008+/-0.005 χ^2/NDF: 21.9/29

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.003 χ^2/NDF: 39.5/48

All: 0.005+/-0.002 χ^2/NDF: 95.2/101

- sign 0.006+/-0.003 χ^2/NDF: 55.2/52



Right In: 21.738+/-0.004 χ^2/NDF: 1225117.4/23

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

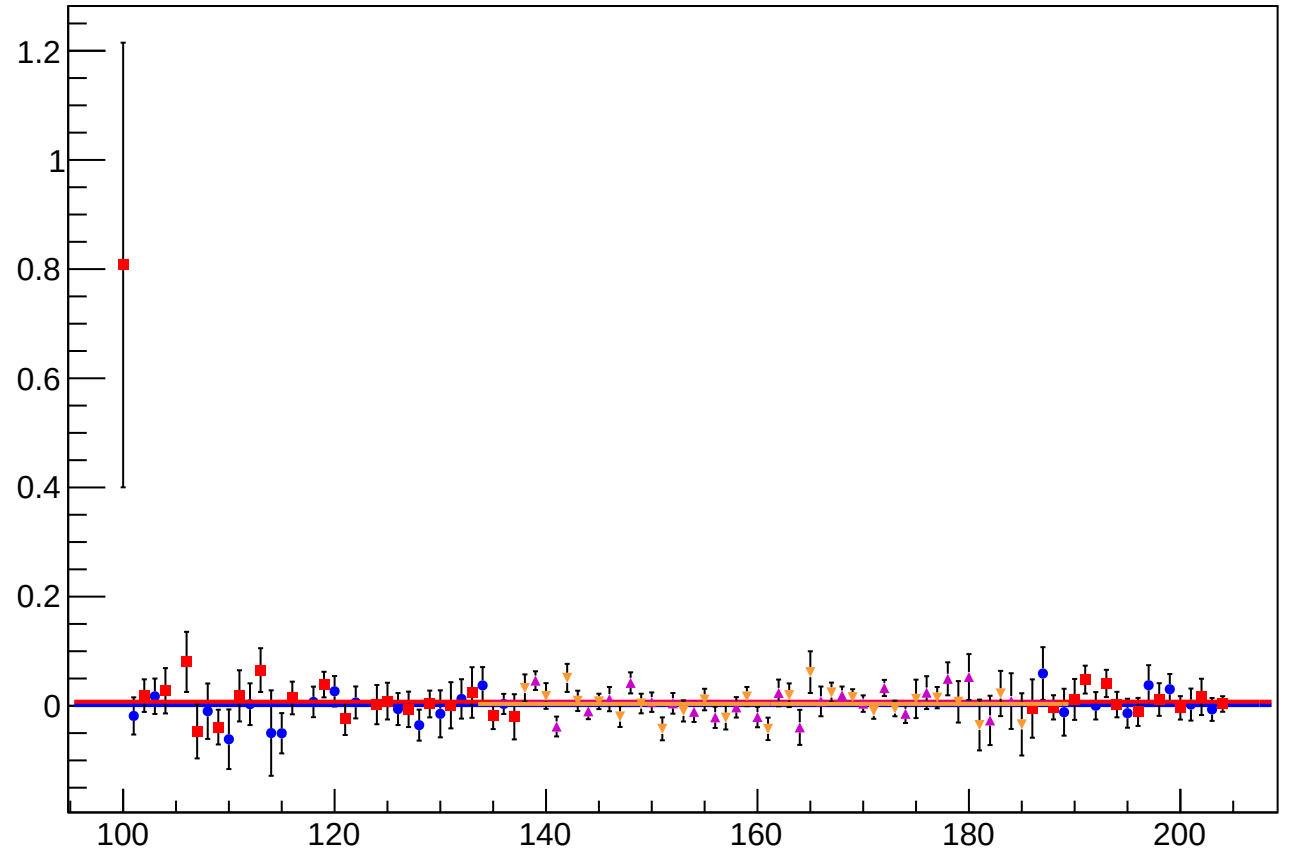
Right Out: 19.474+/-0.004 χ^2/NDF: 2070788.3/29

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 18.348+/-0.002 χ^2/NDF: 4870242.0/48

All: 18.116+/-0.002 χ^2/NDF: 9177018.5/101

\- sign 17.903+/-0.002 χ^2/NDF: 4289372.6/52



Right In: 0.001+/-0.006 χ^2/NDF: 12.4/23

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

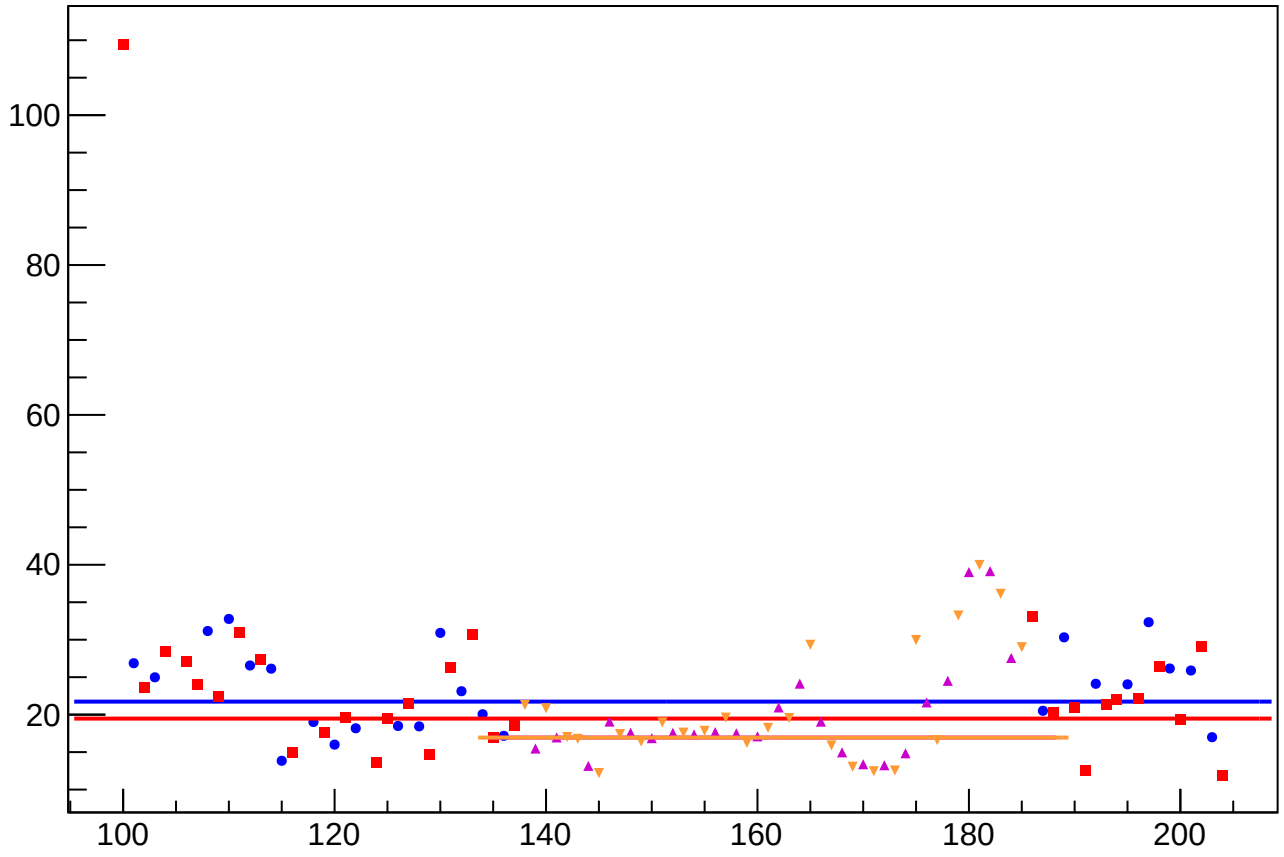
Right Out: 0.008+/-0.005 χ^2/NDF: 21.9/29

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.003 χ^2/NDF: 39.5/48

All: 0.005+/-0.002 χ^2/NDF: 95.2/101

- sign 0.006+/-0.003 χ^2/NDF: 55.2/52



Right In: 21.738+/-0.004 χ^2/NDF: 1225117.4/23

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

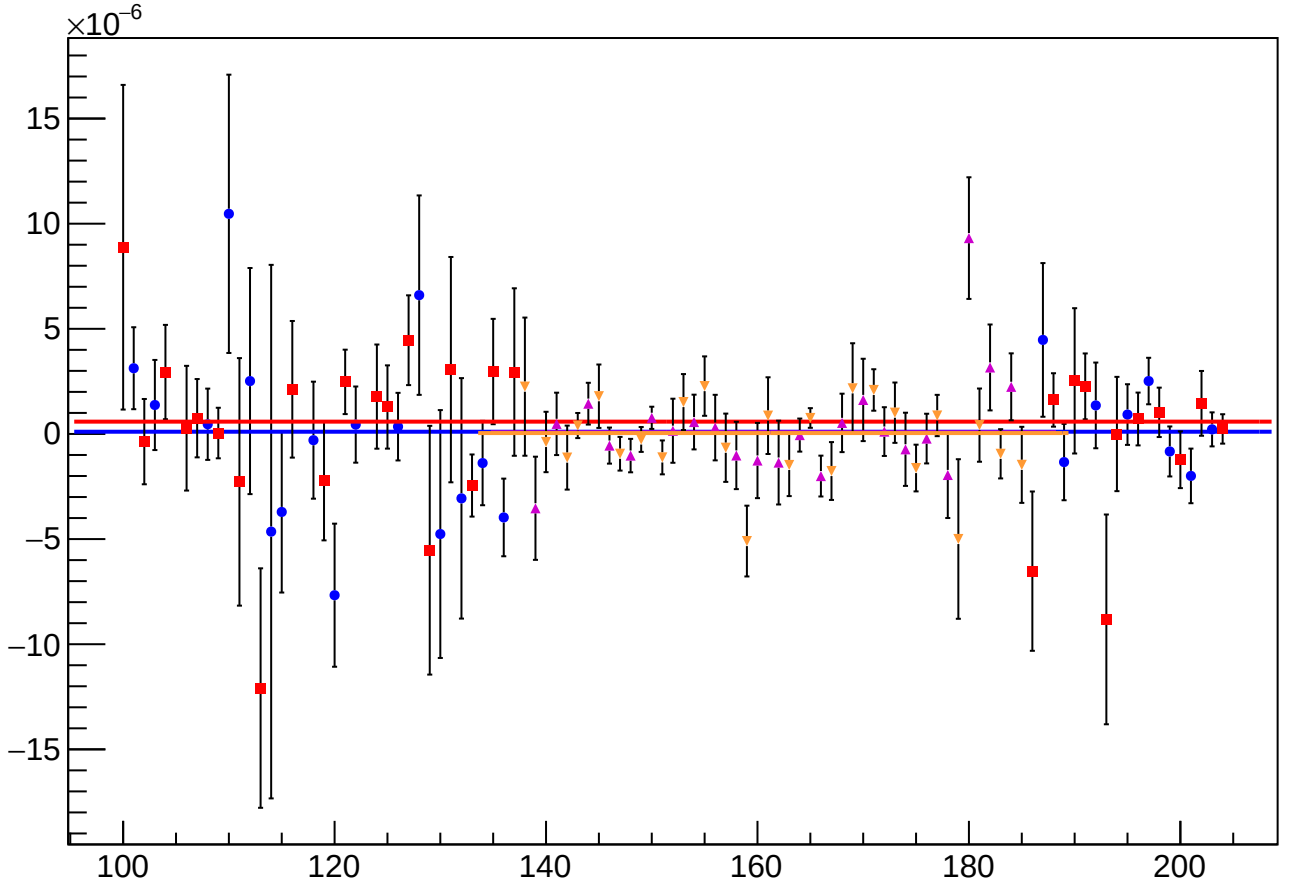
Right Out: 19.474+/-0.004 χ^2/NDF: 2070788.3/29

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 18.348+/-0.002 χ^2/NDF: 4870242.0/48

All: 18.116+/-0.002 χ^2/NDF: 9177018.5/101

\- sign 17.903+/-0.002 χ^2/NDF: 4289372.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

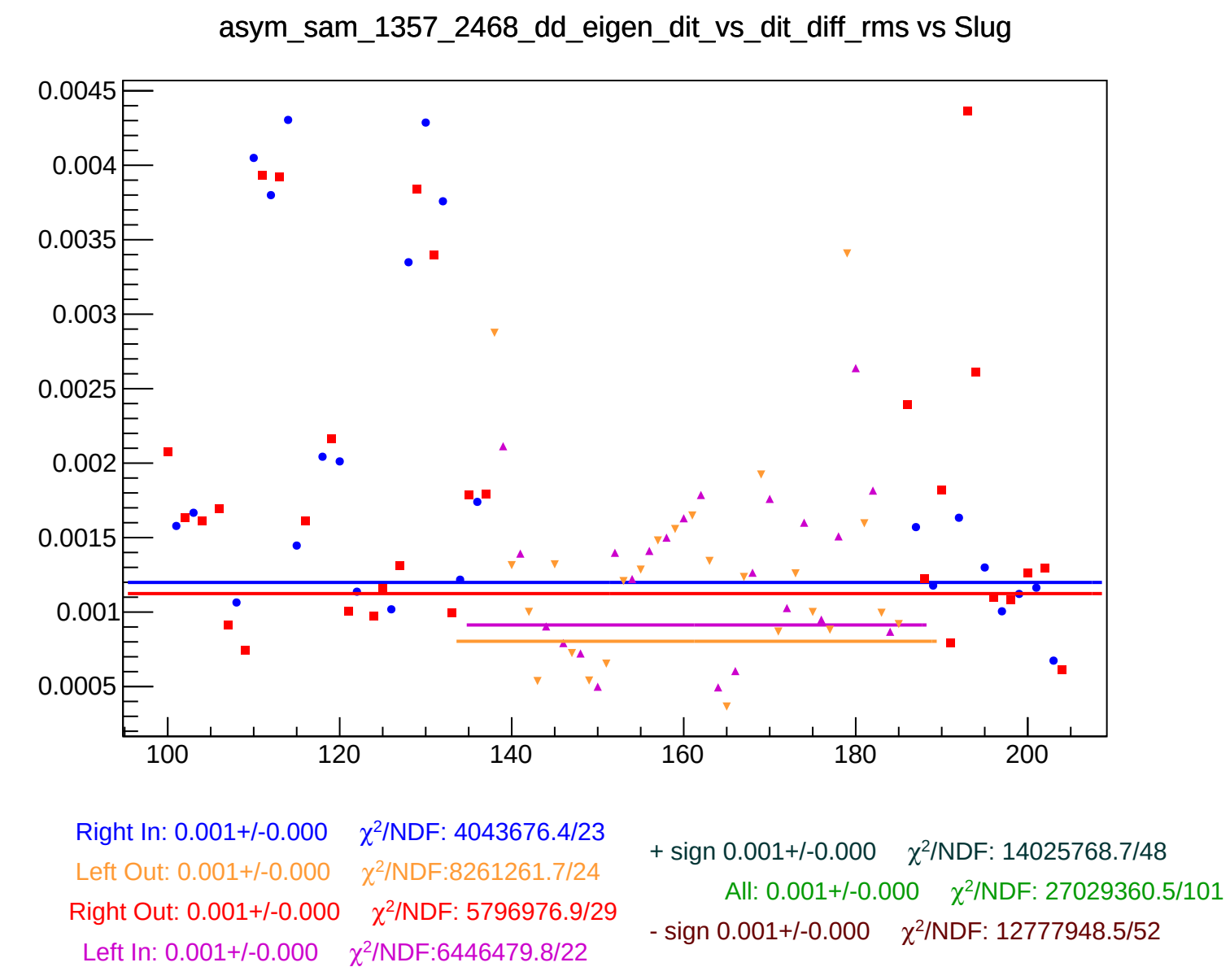
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/29

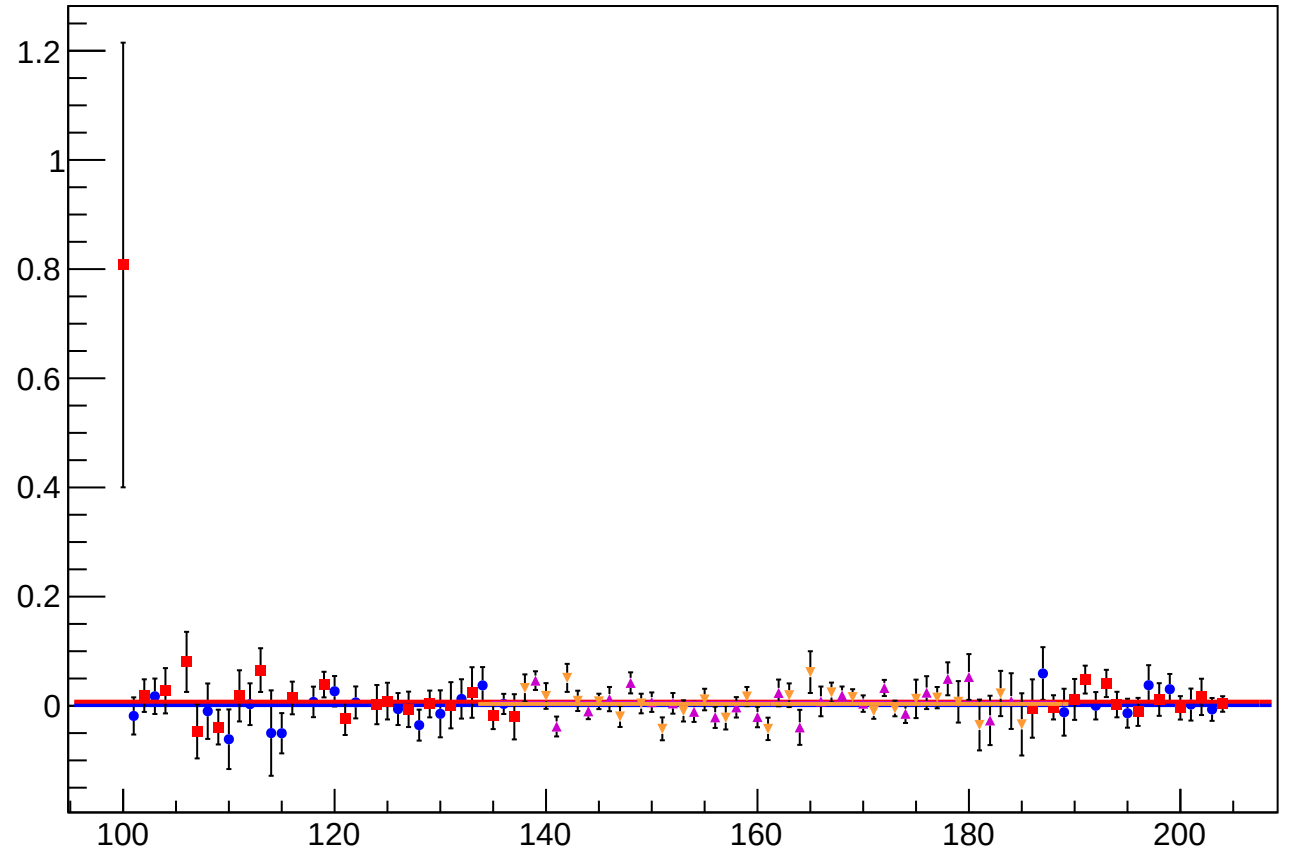
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.1/48

All: 0.000+/-0.000 χ^2/NDF: 134.0/101

- sign 0.000+/-0.000 χ^2/NDF: 65.3/52


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: 4043676.4/23
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 5796976.9/29
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 14025768.7/48
All: 0.001+/-0.000 χ²/NDF: 27029360.5/101
- sign 0.001+/-0.000 χ²/NDF: 12777948.5/52



Right In: 0.001+/-0.006 χ^2/NDF: 12.4/23

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

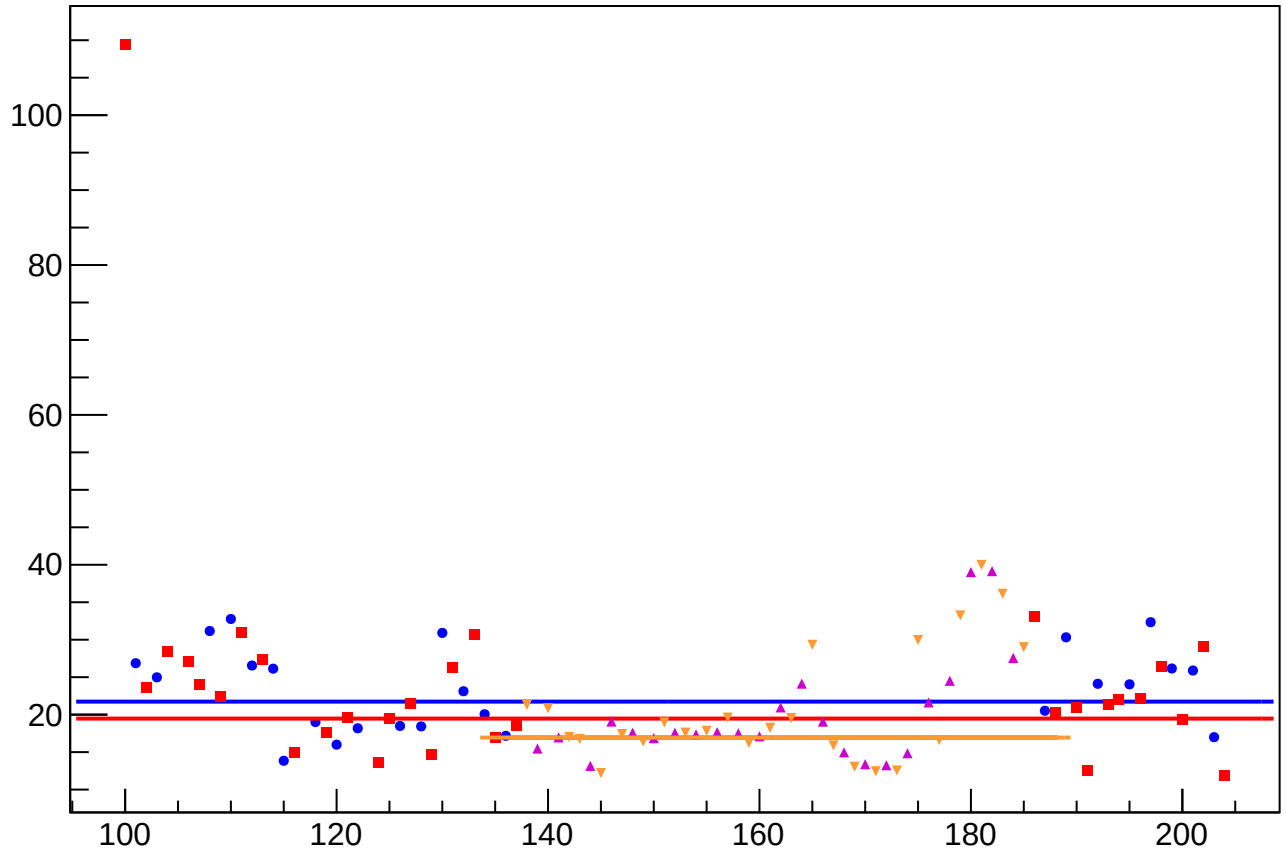
Right Out: 0.008+/-0.005 χ^2/NDF: 21.9/29

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.003 χ^2/NDF: 39.5/48

All: 0.005+/-0.002 χ^2/NDF: 95.2/101

- sign 0.006+/-0.003 χ^2/NDF: 55.2/52



Right In: 21.738+/-0.004 χ^2/NDF: 1225090.7/23

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

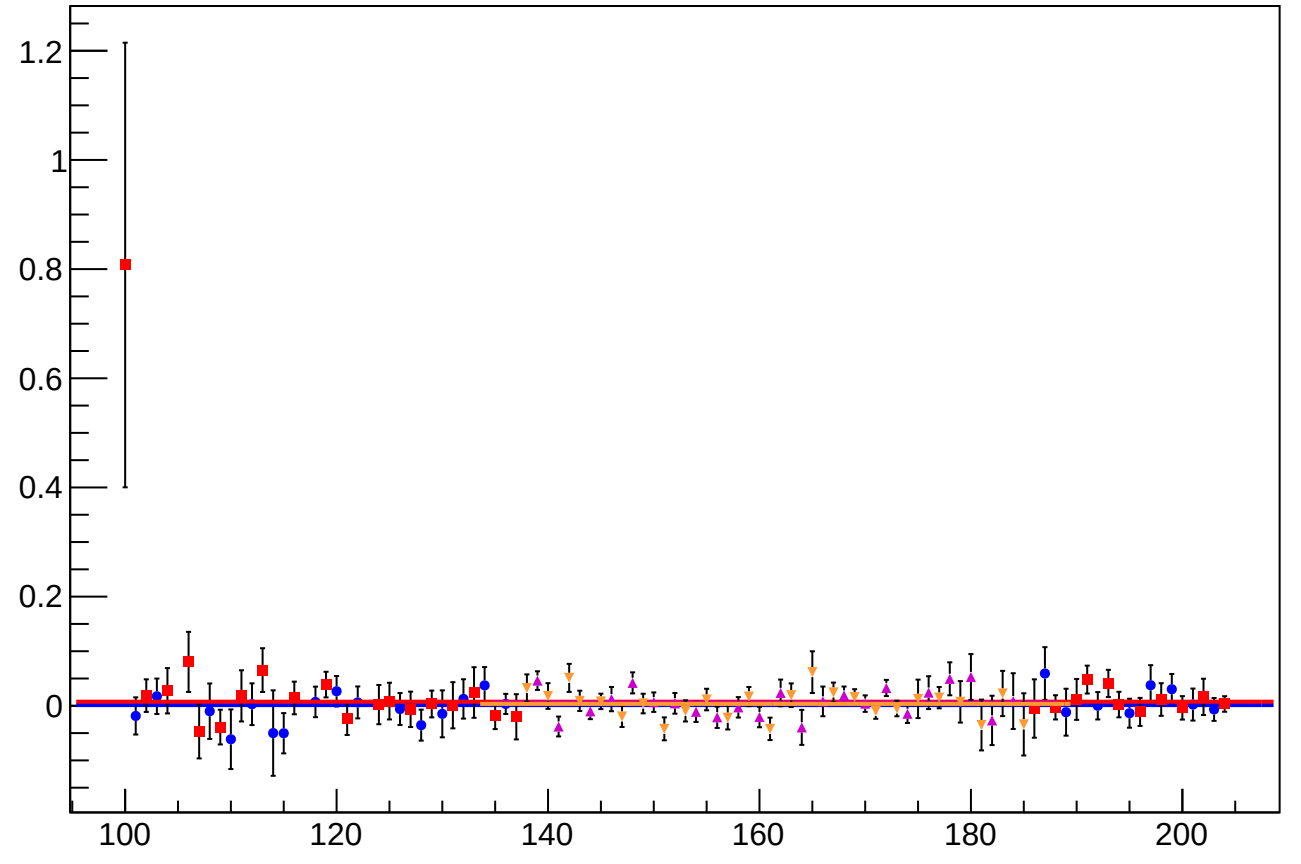
Right Out: 19.474+/-0.004 χ^2/NDF: 2070880.3/29

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

\+ sign 18.348+/-0.002 χ^2/NDF: 4870022.7/48

All: 18.116+/-0.002 χ^2/NDF: 9176791.4/101

\- sign 17.903+/-0.002 χ^2/NDF: 4289356.9/52



Right In: 0.001+/-0.006 χ^2/NDF: 12.4/23

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

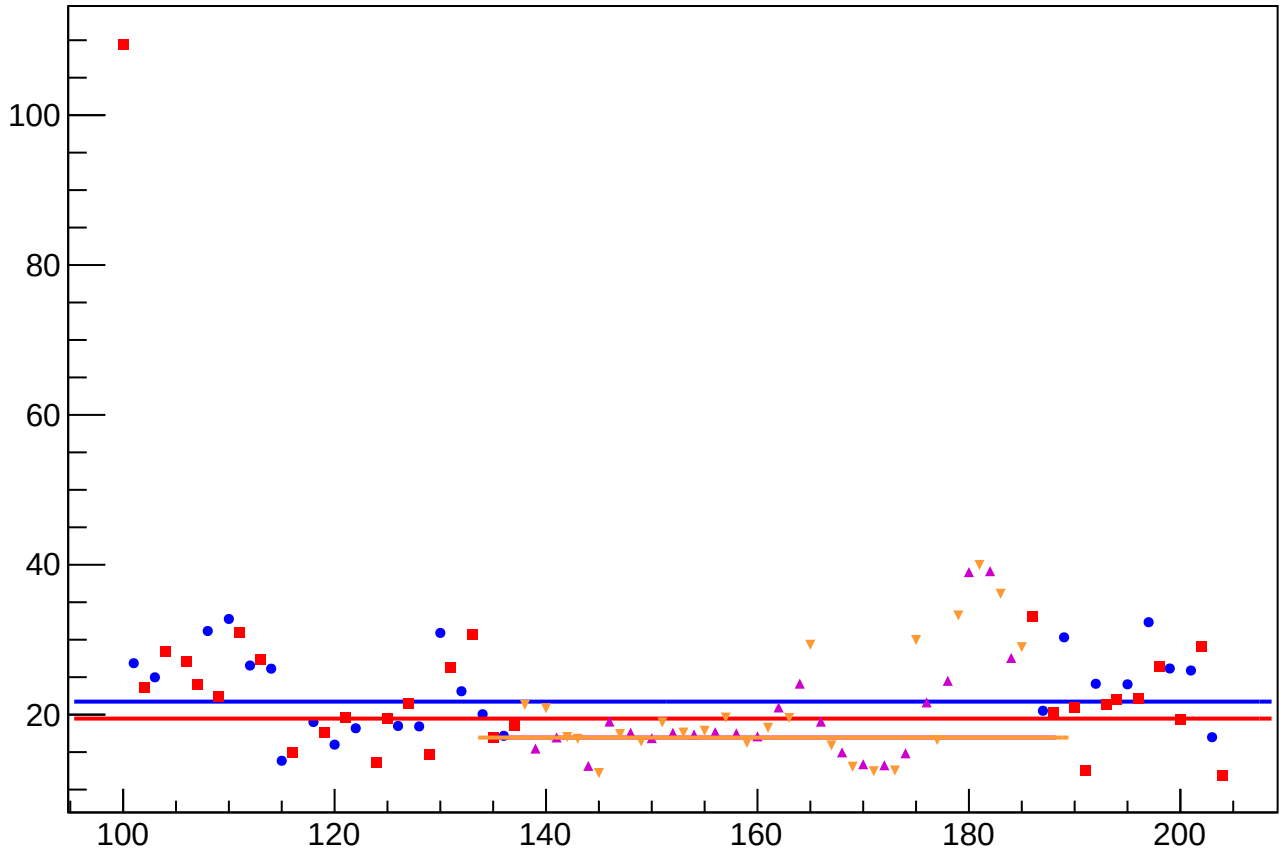
Right Out: 0.008+/-0.005 χ^2/NDF: 21.9/29

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.003 χ^2/NDF: 39.5/48

All: 0.005+/-0.002 χ^2/NDF: 95.2/101

- sign 0.006+/-0.003 χ^2/NDF: 55.2/52



Right In: 21.738+/-0.004 χ^2/NDF: 1225090.7/23

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

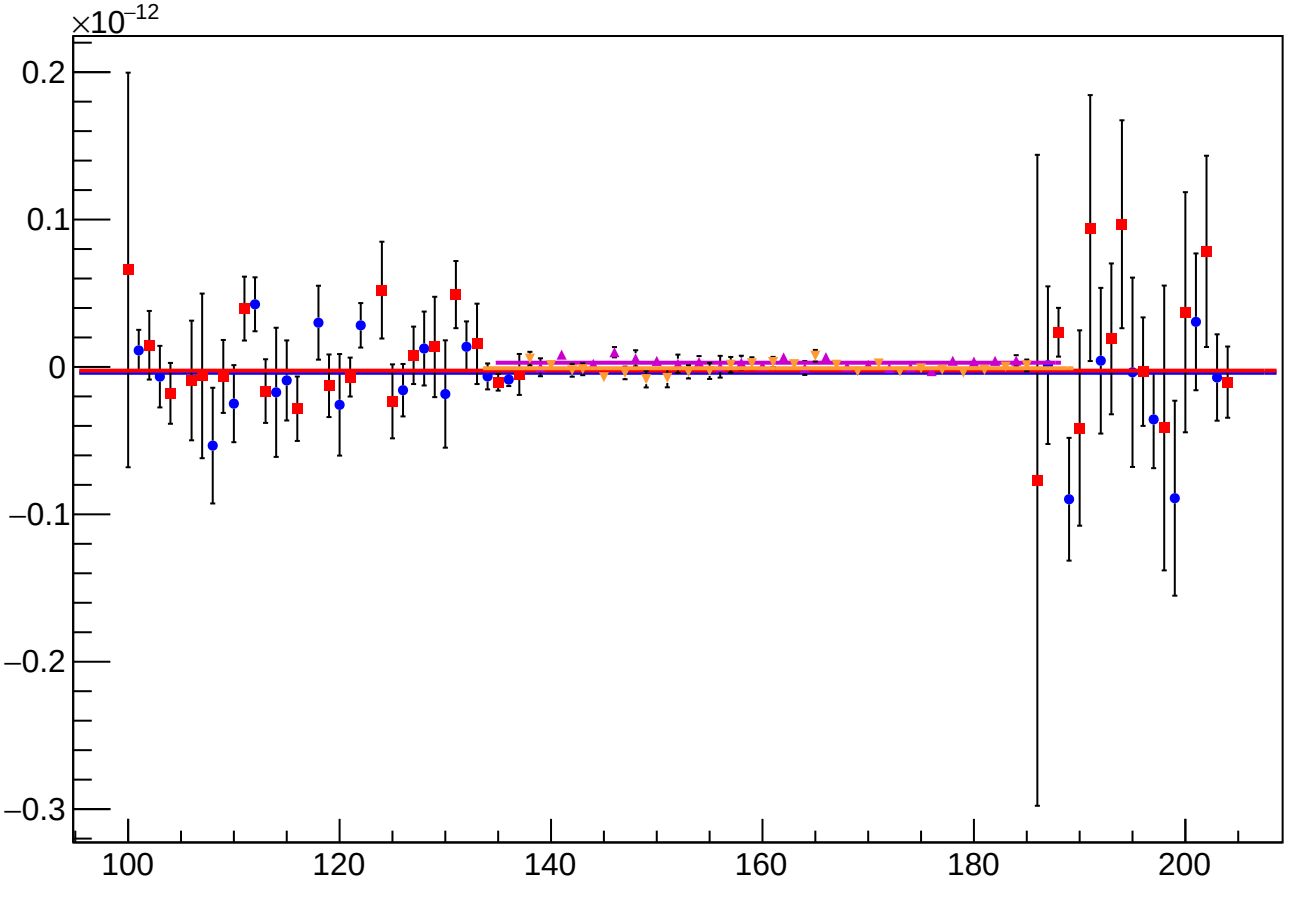
Right Out: 19.474+/-0.004 χ^2/NDF: 2070880.3/29

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

\+ sign 18.348+/-0.002 χ^2/NDF: 4870022.7/48

All: 18.116+/-0.002 χ^2/NDF: 9176791.4/101

\- sign 17.903+/-0.002 χ^2/NDF: 4289356.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

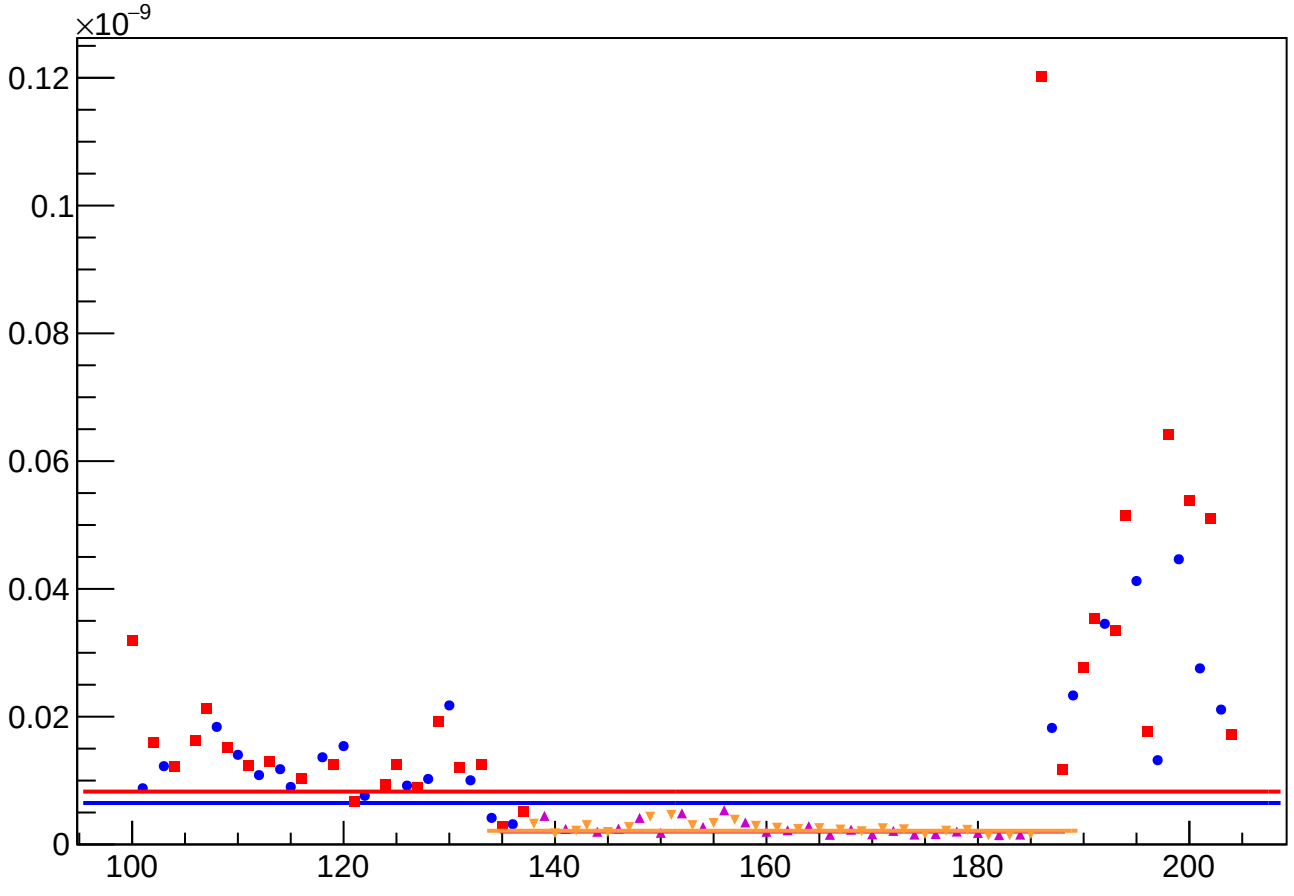
Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/29

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.0/48

All: 0.000+/-0.000 χ^2/NDF: 121.8/101

- sign 0.000+/-0.000 χ^2/NDF: 52.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 6136926.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8083428.8/29

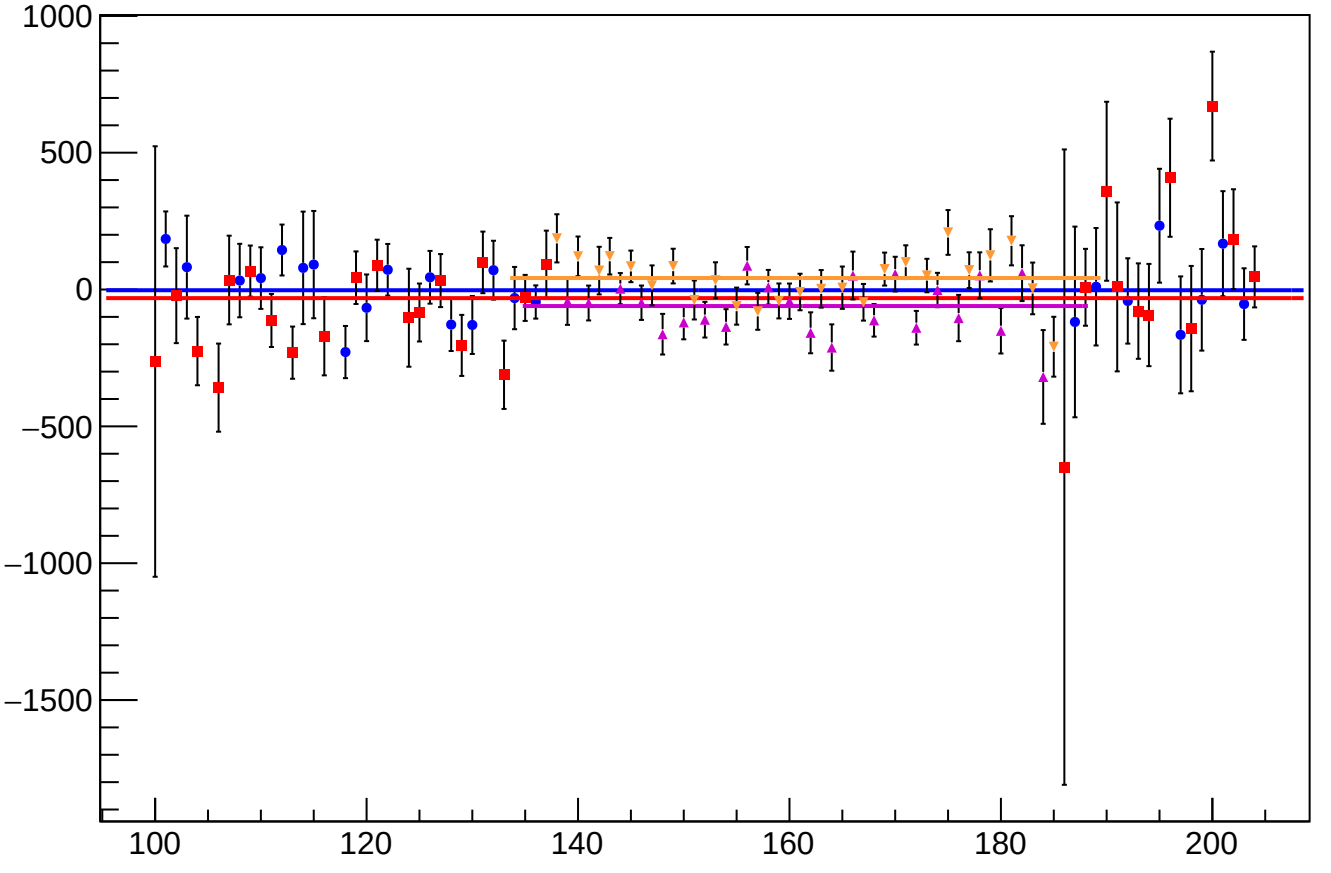
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11899179.3/48

All: 0.000+/-0.000 χ^2/NDF: 28046057.3/101

- sign 0.000+/-0.000 χ^2/NDF: 16116074.1/52

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.608+/-24.353 χ^2/NDF: 20.7/23

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -31.445+/-23.933 χ^2/NDF: 47.5/29

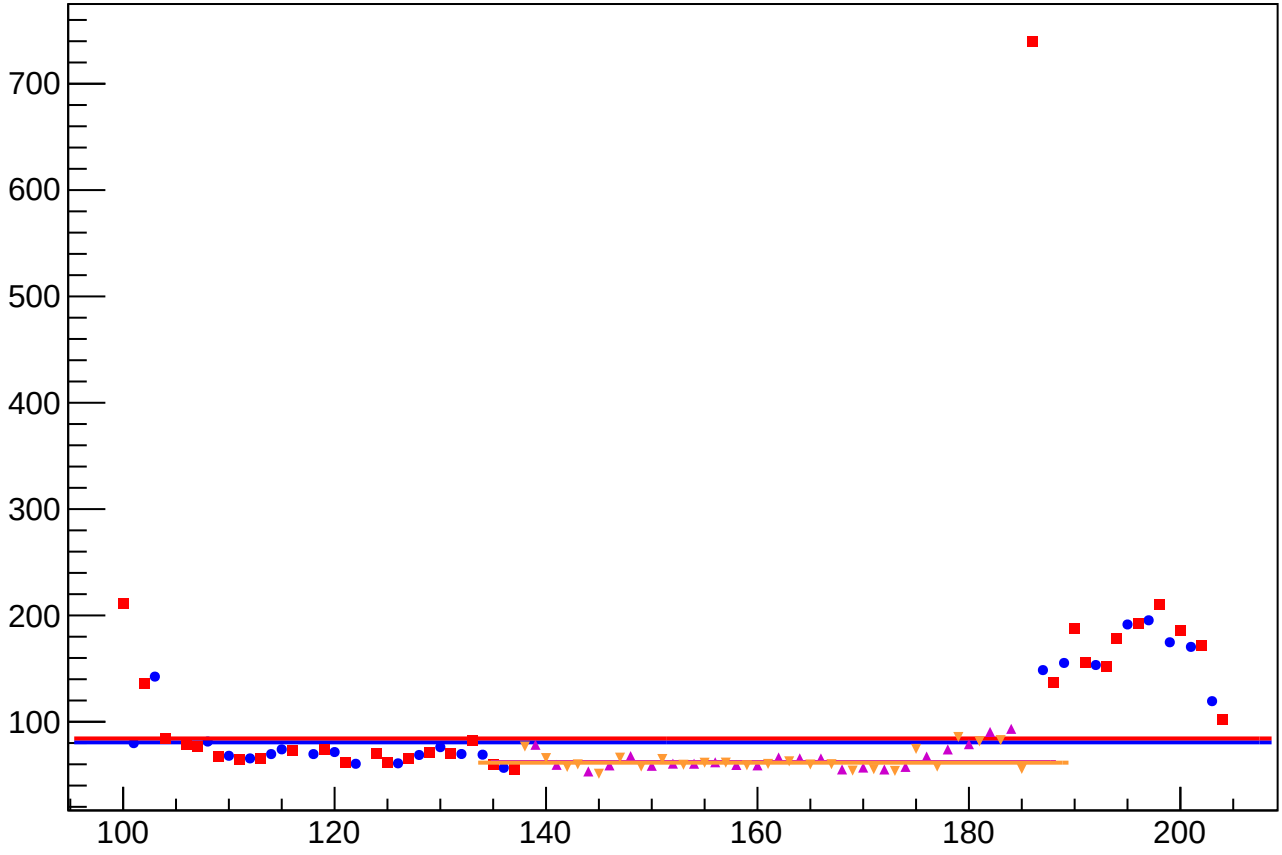
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 30.713+/-12.255 χ^2/NDF: 55.3/48

All: -9.926+/-8.763 χ^2/NDF: 158.6/101

- sign -52.441+/-12.534 χ^2/NDF: 80.8/52

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 80.650+/-0.017 χ^2/NDF: 3927494.1/23

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 84.313+/-0.017 χ^2/NDF: 5302328.9/29

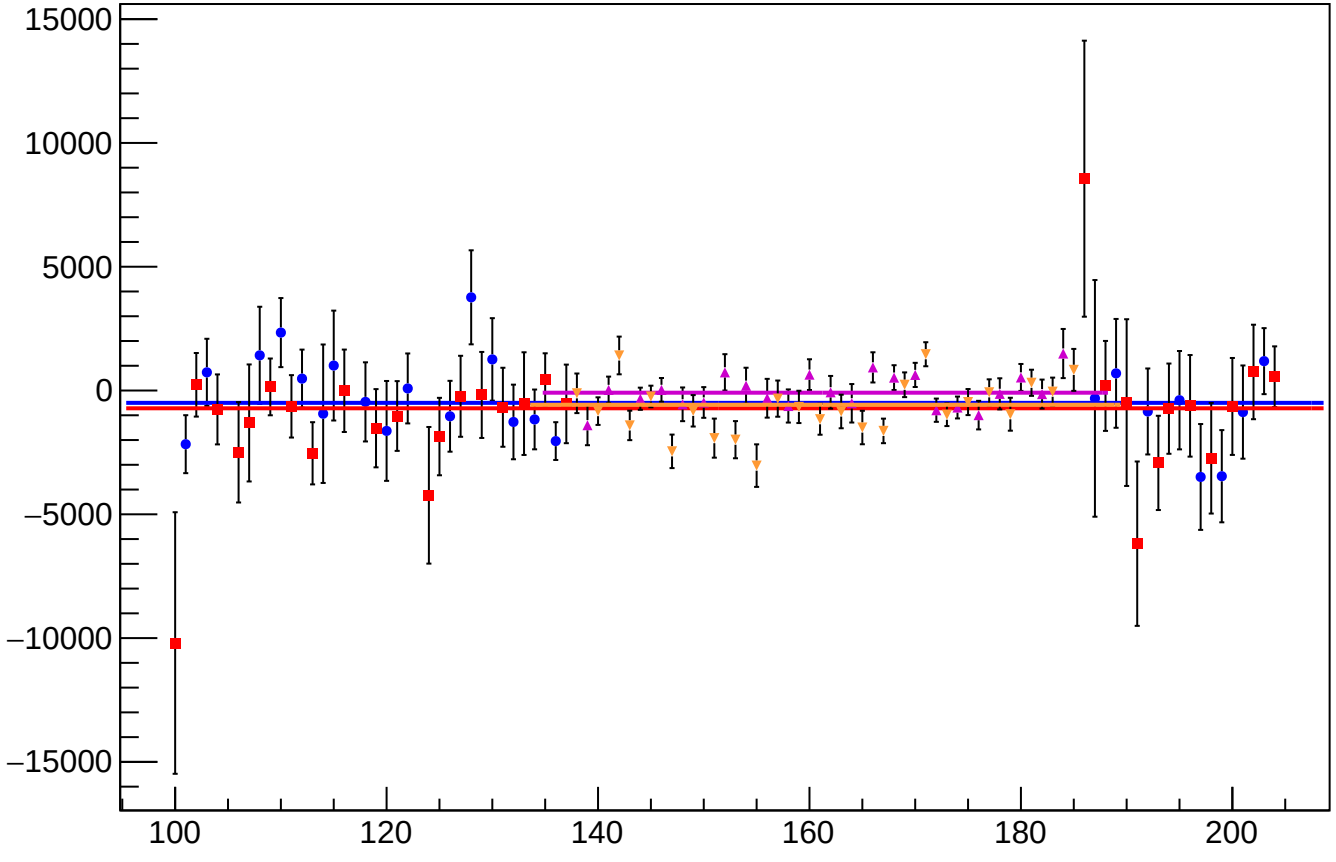
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 66.382+/-0.009 χ^2/NDF: 5484603.1/48

All: 67.283+/-0.006 χ^2/NDF: 12651058.4/101

- sign 68.225+/-0.009 χ^2/NDF: 7144349.6/52

asym_sam_12345678_avg_reg_correction_mean vs Slug



Right In: -498.297+/-310.034 χ^2/NDF: 27.0/23

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

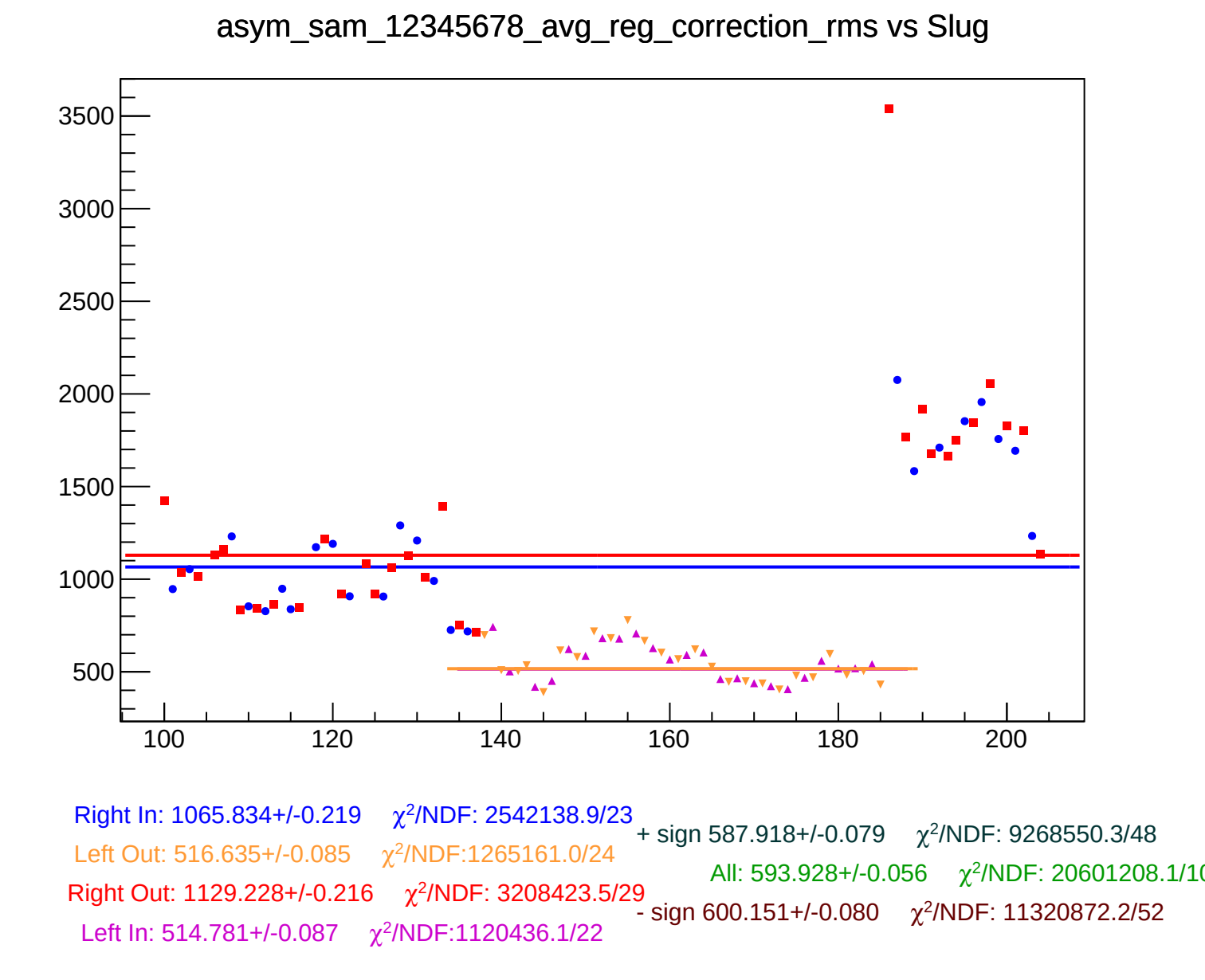
Right Out: -718.235+/-304.941 χ^2/NDF: 20.9/29

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

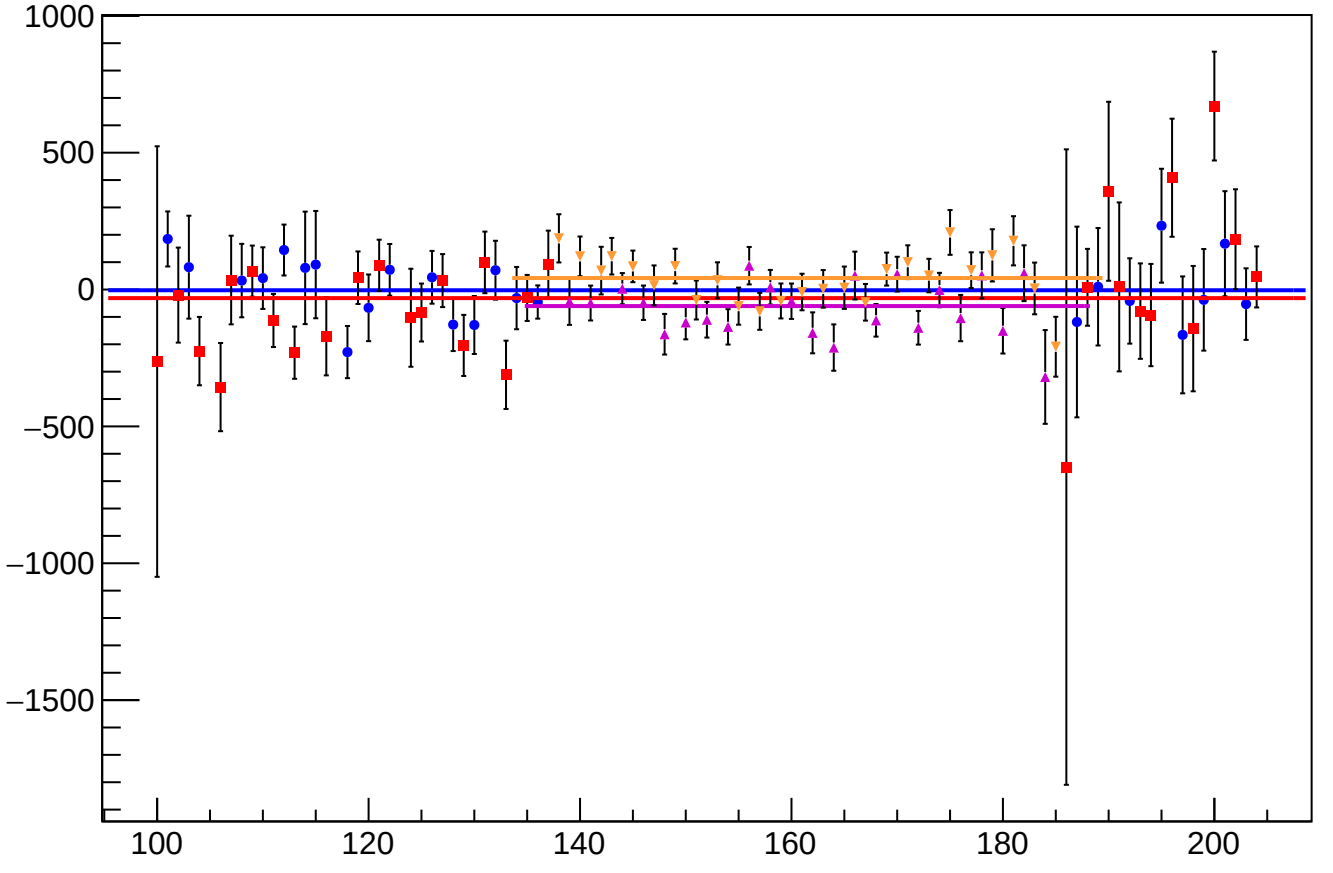
\+ sign -564.886+/-111.696 χ^2/NDF: 95.9/48

All: -373.768+/-79.668 χ^2/NDF: 151.0/101

\- sign -175.851+/-113.665 χ^2/NDF: 49.2/52


asym_sam_12345678_avg_reg_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1065.834+/-0.219 χ²/NDF: 2542138.9/23
Left Out: 516.635+/-0.085 χ²/NDF:1265161.0/24
Right Out: 1129.228+/-0.216 χ²/NDF: 3208423.5/29
Left In: 514.781+/-0.087 χ²/NDF:1120436.1/22
+ sign 587.918+/-0.079 χ²/NDF: 9268550.3/48
All: 593.928+/-0.056 χ²/NDF: 20601208.1/10
- sign 600.151+/-0.080 χ²/NDF: 11320872.2/52

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.614+/-24.353 χ^2/NDF: 20.7/23

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -31.344+/-23.934 χ^2/NDF: 47.5/29

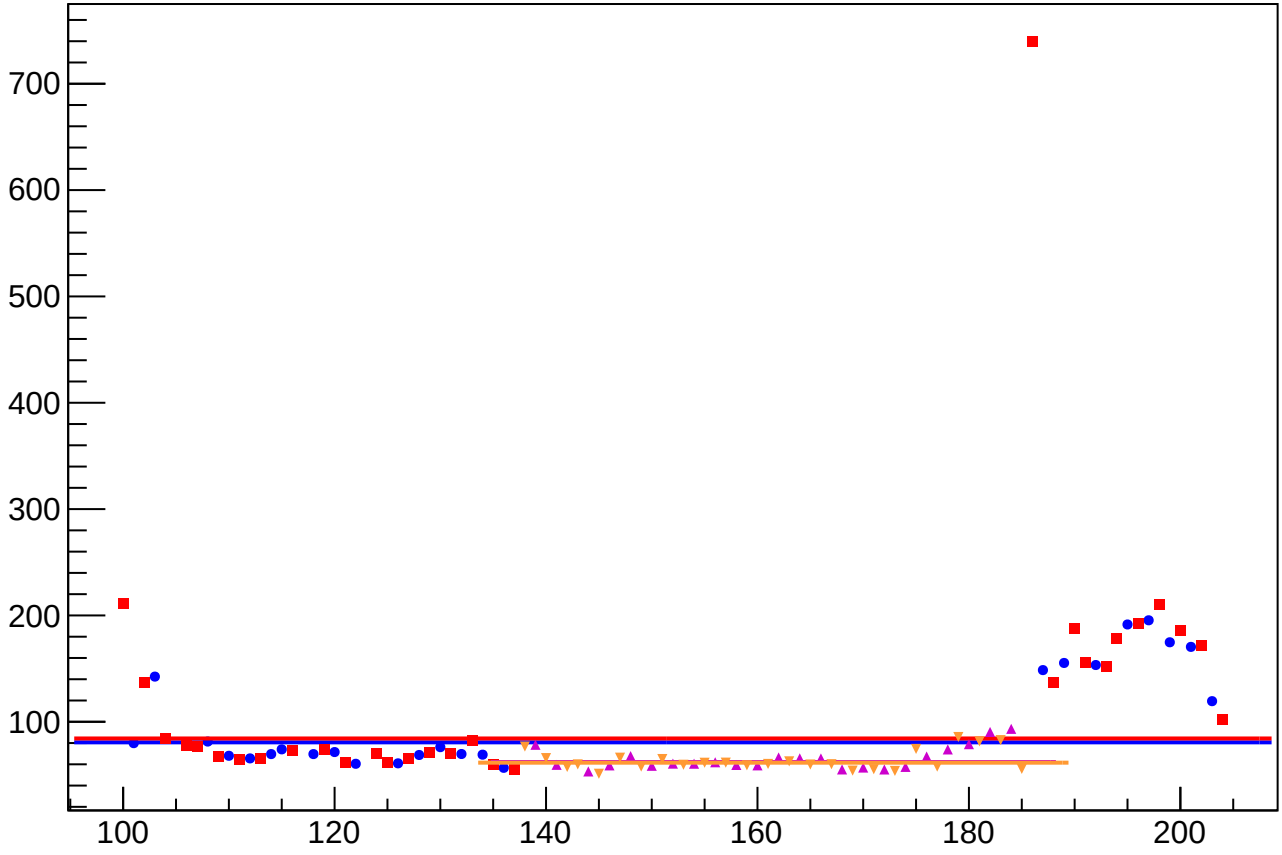
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 30.716+/-12.255 χ^2/NDF: 55.3/48

All: -9.911+/-8.763 χ^2/NDF: 158.5/101

- sign -52.413+/-12.535 χ^2/NDF: 80.7/52

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 80.650+/-0.017 χ^2/NDF: 3927497.1/23

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

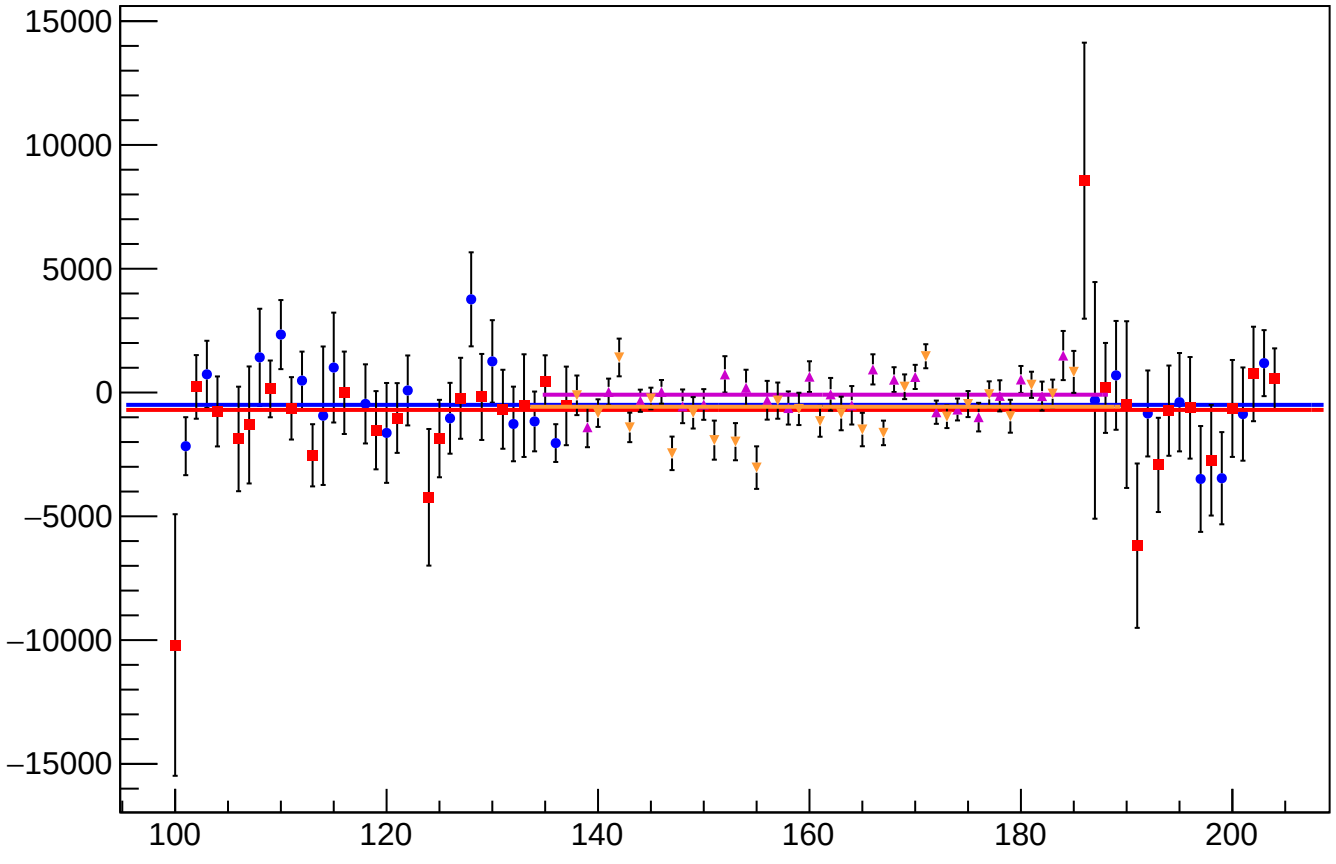
Right Out: 84.298+/-0.017 χ^2/NDF: 5303289.9/29

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 66.382+/-0.009 χ^2/NDF: 5484606.1/48

All: 67.281+/-0.006 χ^2/NDF: 12650187.6/101

- sign 68.221+/-0.009 χ^2/NDF: 7143580.7/52



Right In: -498.273+/-310.035 χ^2/NDF: 27.0/23

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

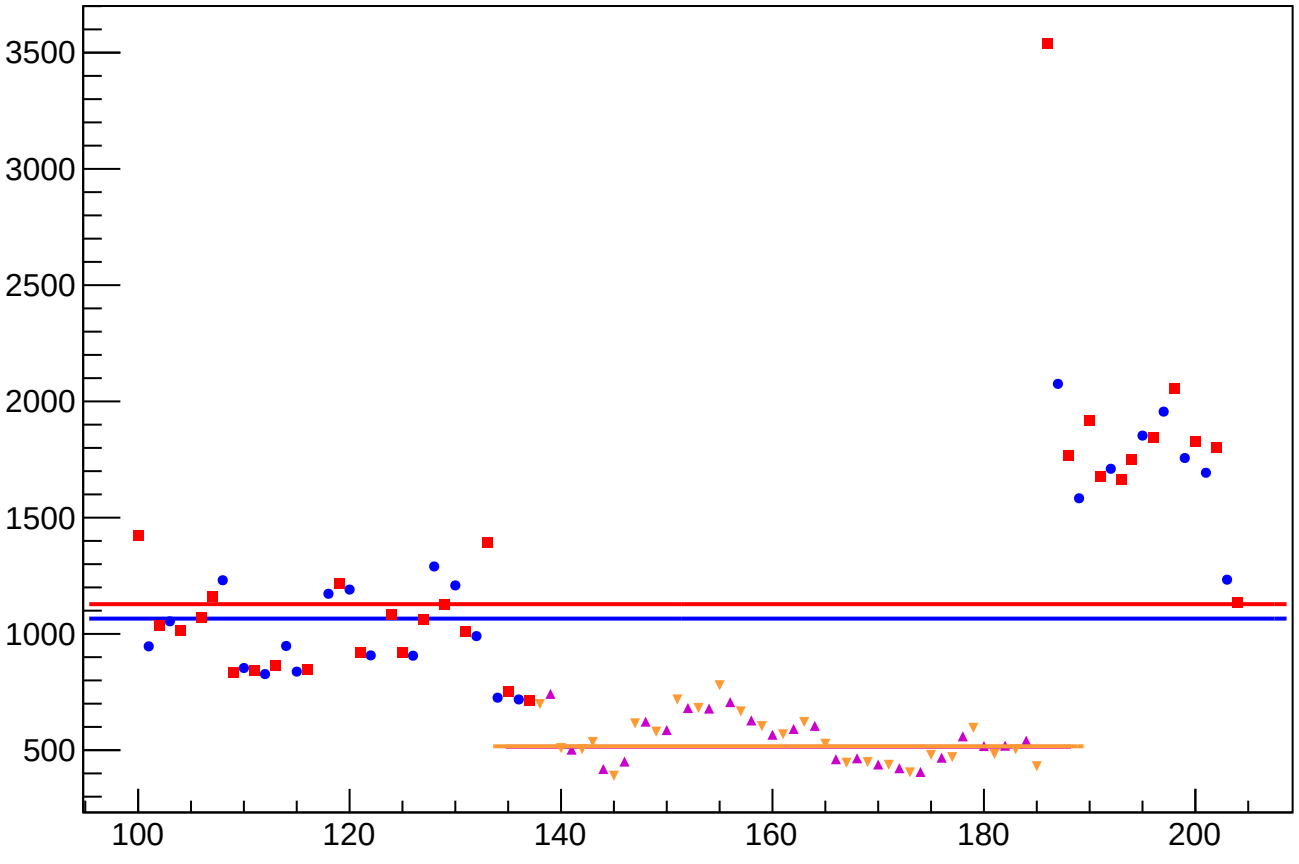
Right Out: -702.532+/-305.221 χ^2/NDF: 20.4/29

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

\+ sign -564.877+/-111.696 χ^2/NDF: 95.9/48

All: -372.650+/-79.673 χ^2/NDF: 150.4/101

\- sign -173.534+/-113.679 χ^2/NDF: 48.5/52



Right In: 1065.838+/-0.219 χ^2/NDF: 2542141.1/23

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1127.964+/-0.216 χ^2/NDF: 3209801.3/29

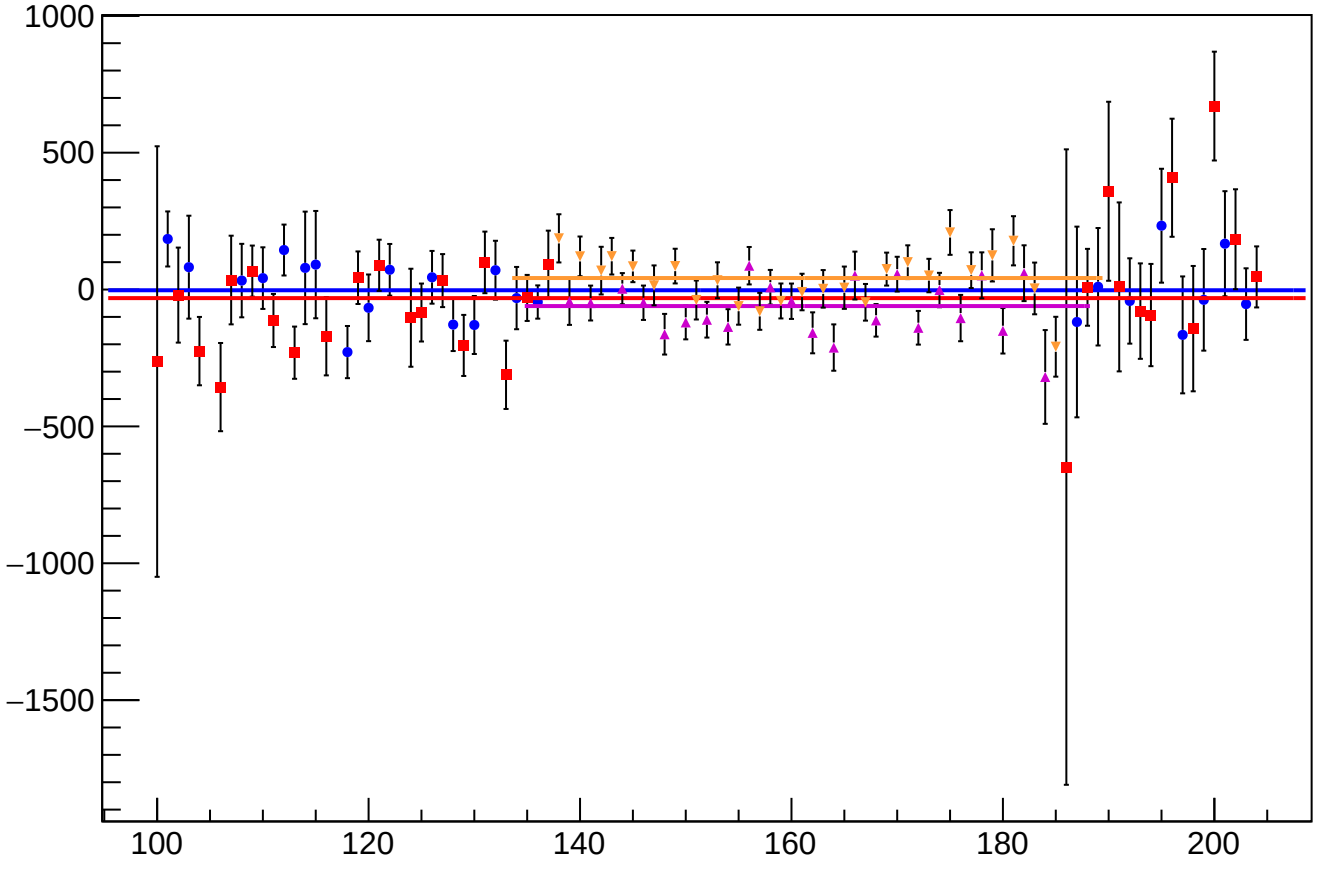
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 587.918+/-0.079 χ^2/NDF: 9268603.1/48

All: 593.774+/-0.056 χ^2/NDF: 20562274.0/10

- sign 599.841+/-0.080 χ^2/NDF: 11282477.1/52

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.614+/-24.353 χ^2/NDF: 20.7/23

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -31.344+/-23.934 χ^2/NDF: 47.5/29

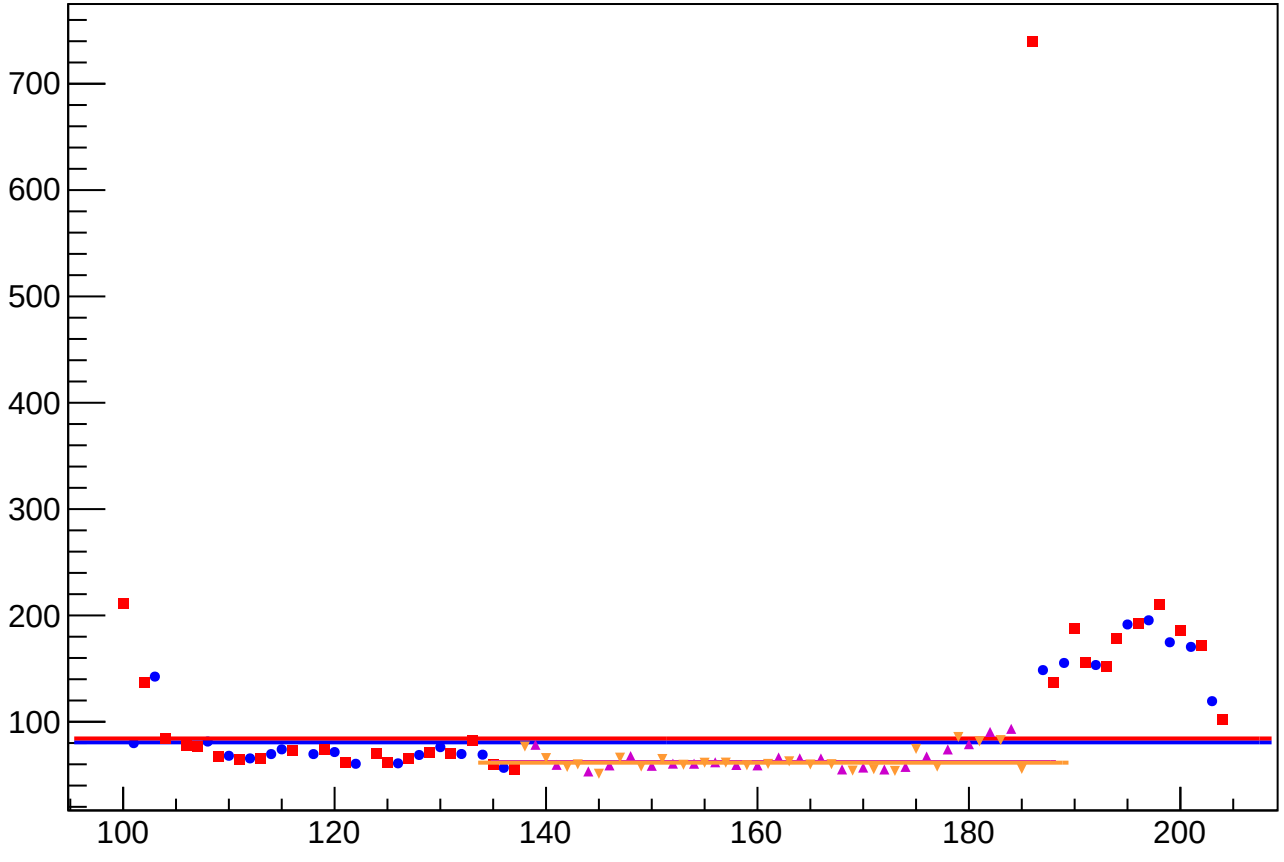
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 30.716+/-12.255 χ^2/NDF: 55.3/48

All: -9.911+/-8.763 χ^2/NDF: 158.5/101

- sign -52.413+/-12.535 χ^2/NDF: 80.7/52

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 80.650+/-0.017 χ^2/NDF: 3927497.1/23

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

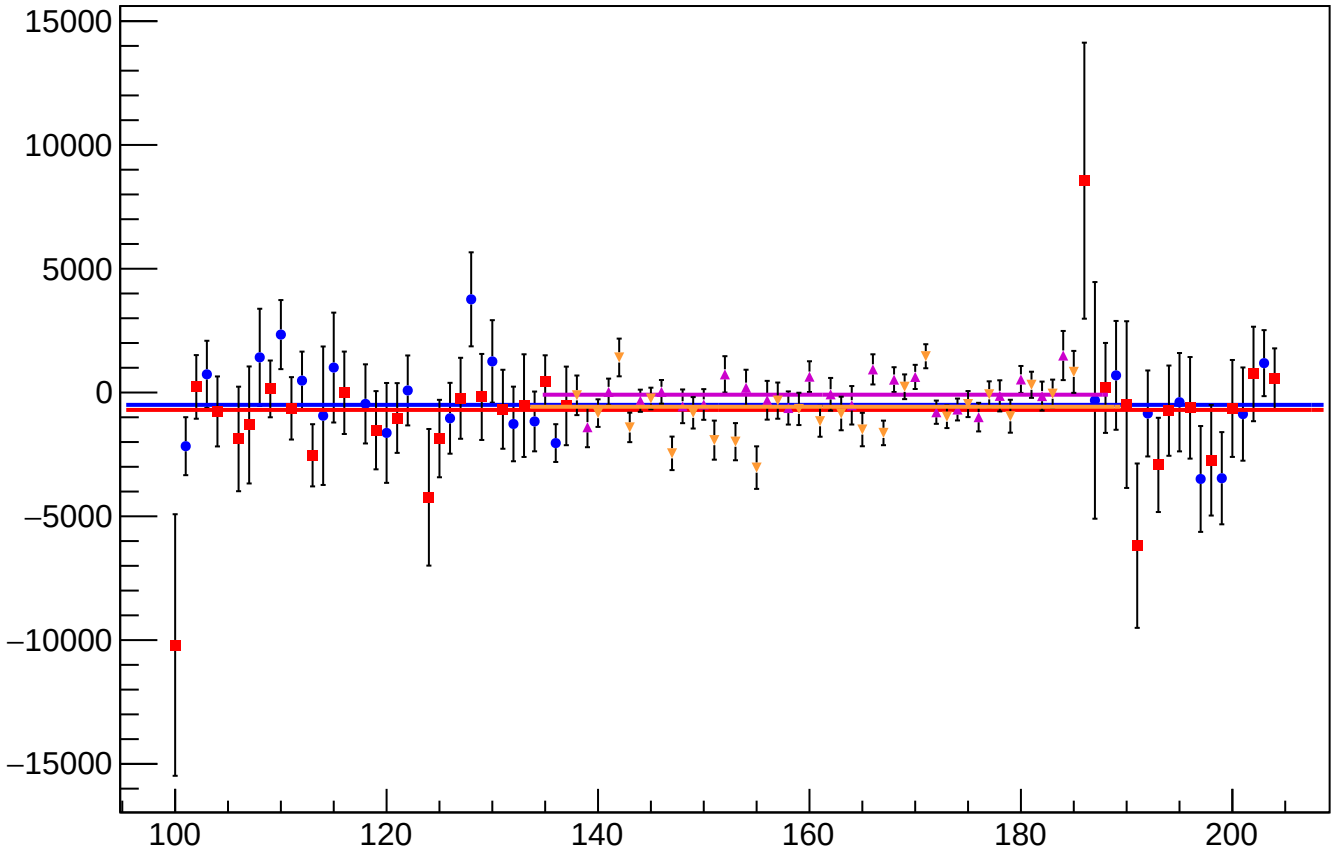
Right Out: 84.298+/-0.017 χ^2/NDF: 5303289.9/29

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 66.382+/-0.009 χ^2/NDF: 5484606.1/48

All: 67.281+/-0.006 χ^2/NDF: 12650187.6/101

- sign 68.221+/-0.009 χ^2/NDF: 7143580.7/52



Right In: -498.273+/-310.035 χ^2/NDF: 27.0/23

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

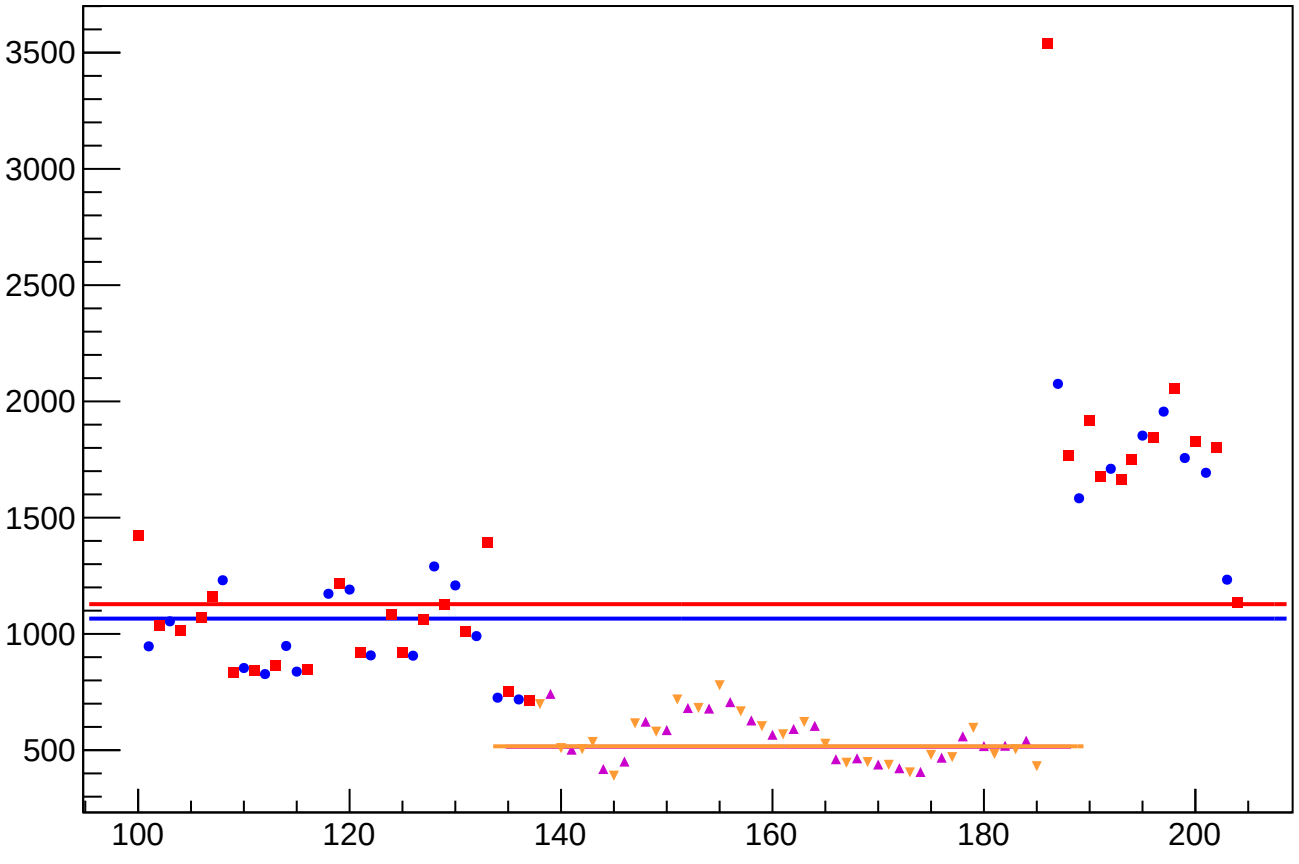
Right Out: -702.532+/-305.221 χ^2/NDF: 20.4/29

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -564.877+/-111.696 χ^2/NDF: 95.9/48

All: -372.650+/-79.673 χ^2/NDF: 150.4/101

- sign -173.534+/-113.679 χ^2/NDF: 48.5/52



Right In: 1065.838+/-0.219 χ^2/NDF: 2542141.1/23

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1127.964+/-0.216 χ^2/NDF: 3209801.3/29

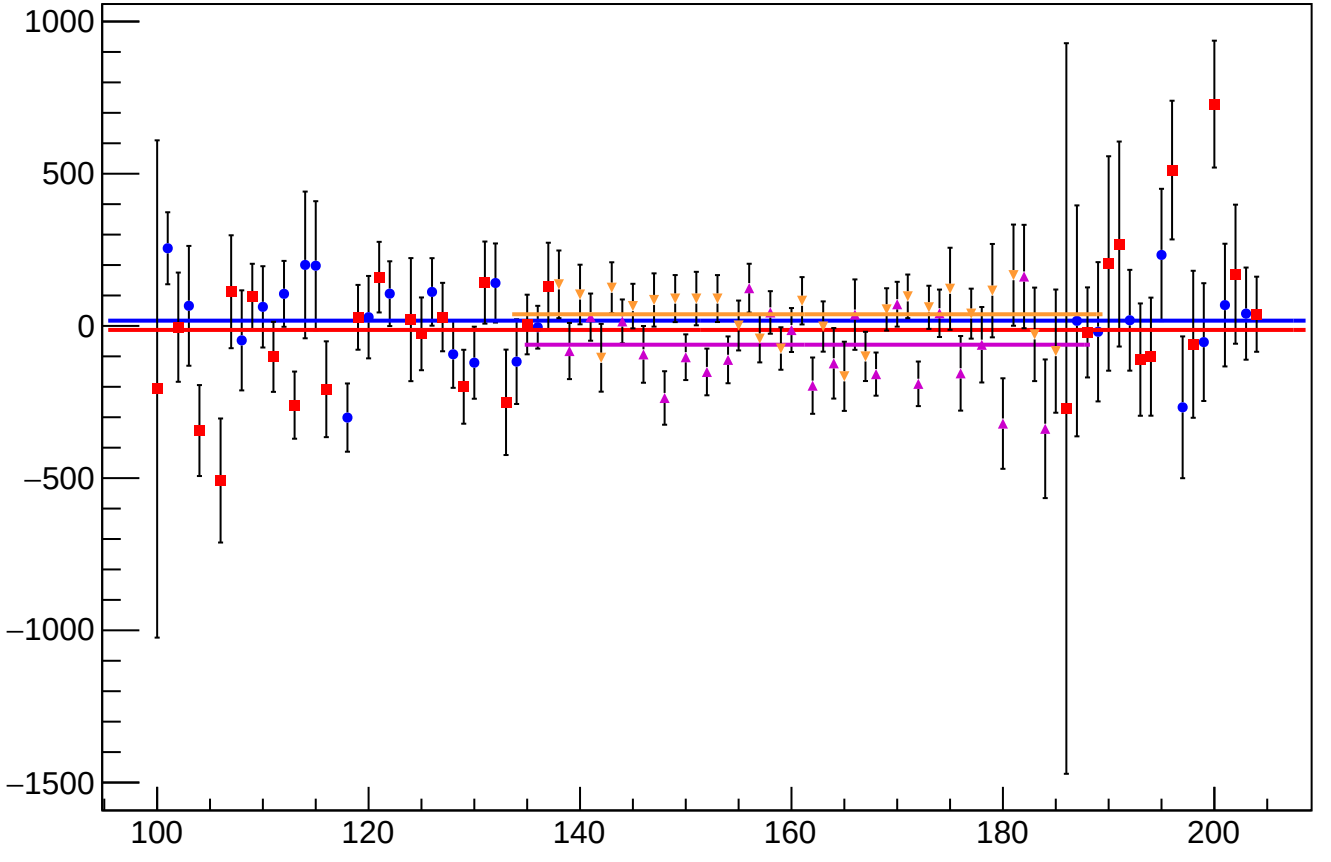
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 587.918+/-0.079 χ^2/NDF: 9268603.1/48

All: 593.774+/-0.056 χ^2/NDF: 20562274.0/10

- sign 599.841+/-0.080 χ^2/NDF: 11282477.1/52

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 17.307+/-27.918 χ^2/NDF: 22.9/23

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -13.173+/-27.482 χ^2/NDF: 49.1/29

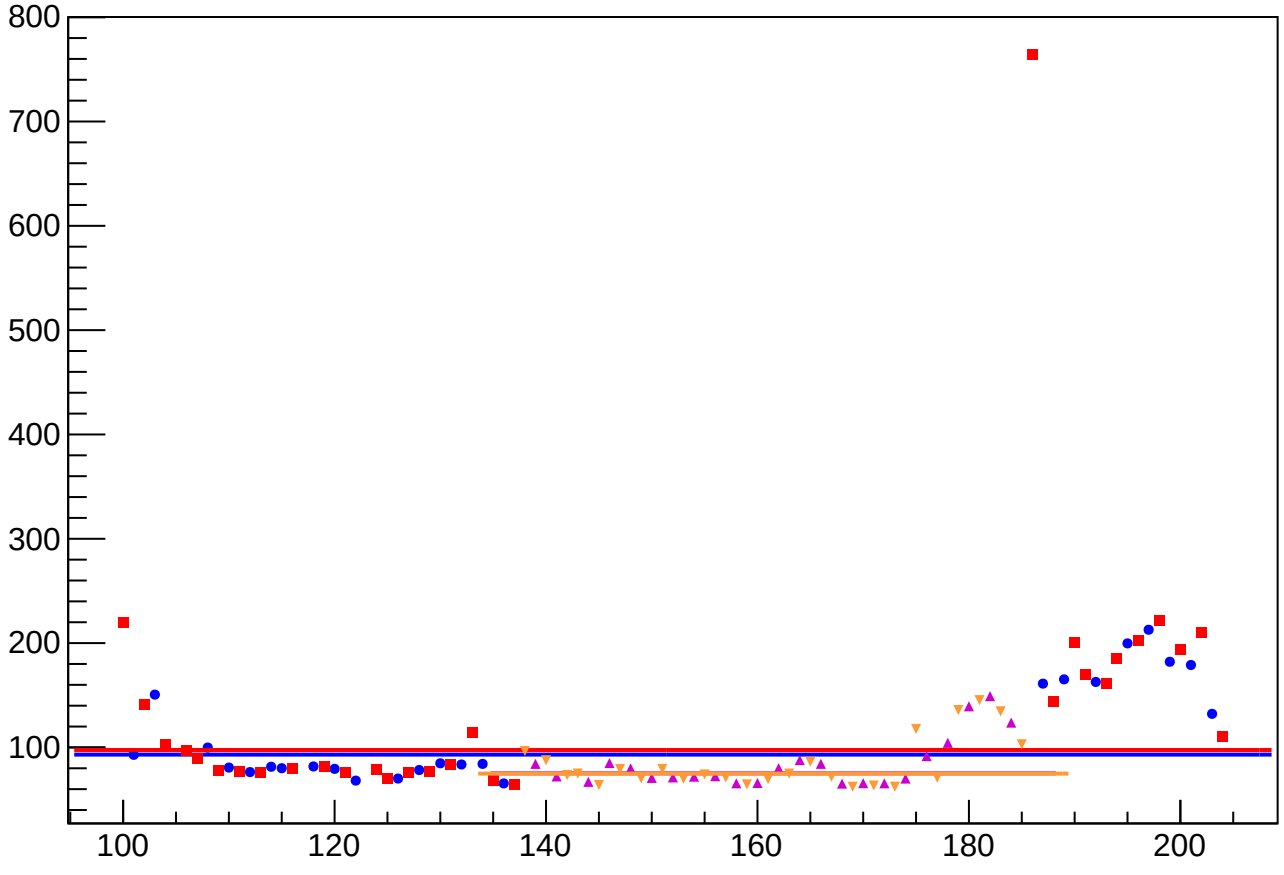
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.283+/-14.930 χ^2/NDF: 42.1/48

All: -6.696+/-10.641 χ^2/NDF: 144.0/101

- sign -46.931+/-15.169 χ^2/NDF: 88.0/52

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 93.124+/-0.020 χ^2/NDF: 3407961.9/23

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 97.558+/-0.019 χ^2/NDF: 4711843.3/29

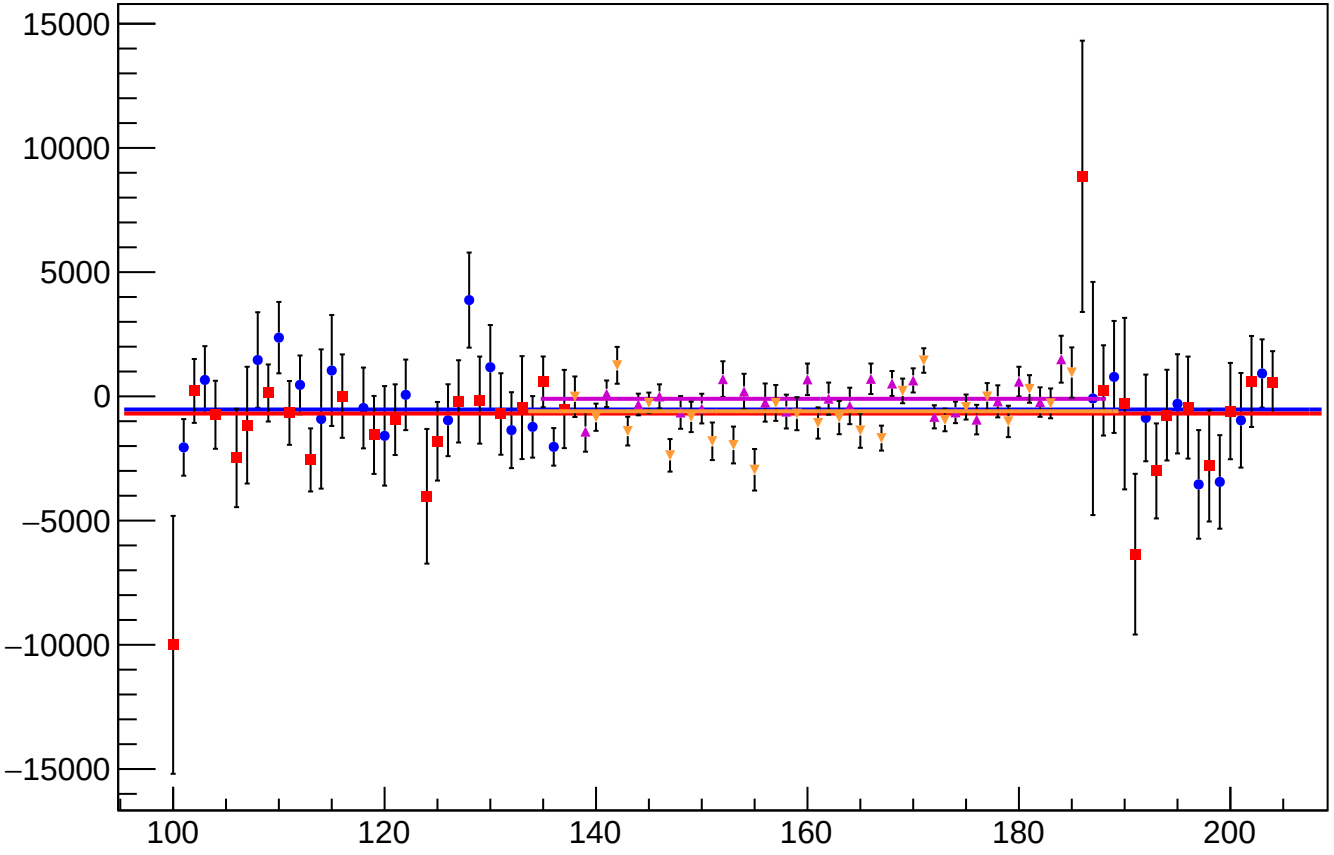
Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 80.114+/-0.011 χ^2/NDF: 5677833.7/48

All: 81.033+/-0.008 χ^2/NDF: 12641681.8/101

- sign 81.981+/-0.011 χ^2/NDF: 6948463.6/52

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -529.031+/-311.906 χ^2/NDF: 26.2/23

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: -691.590+/-304.636 χ^2/NDF: 21.8/29

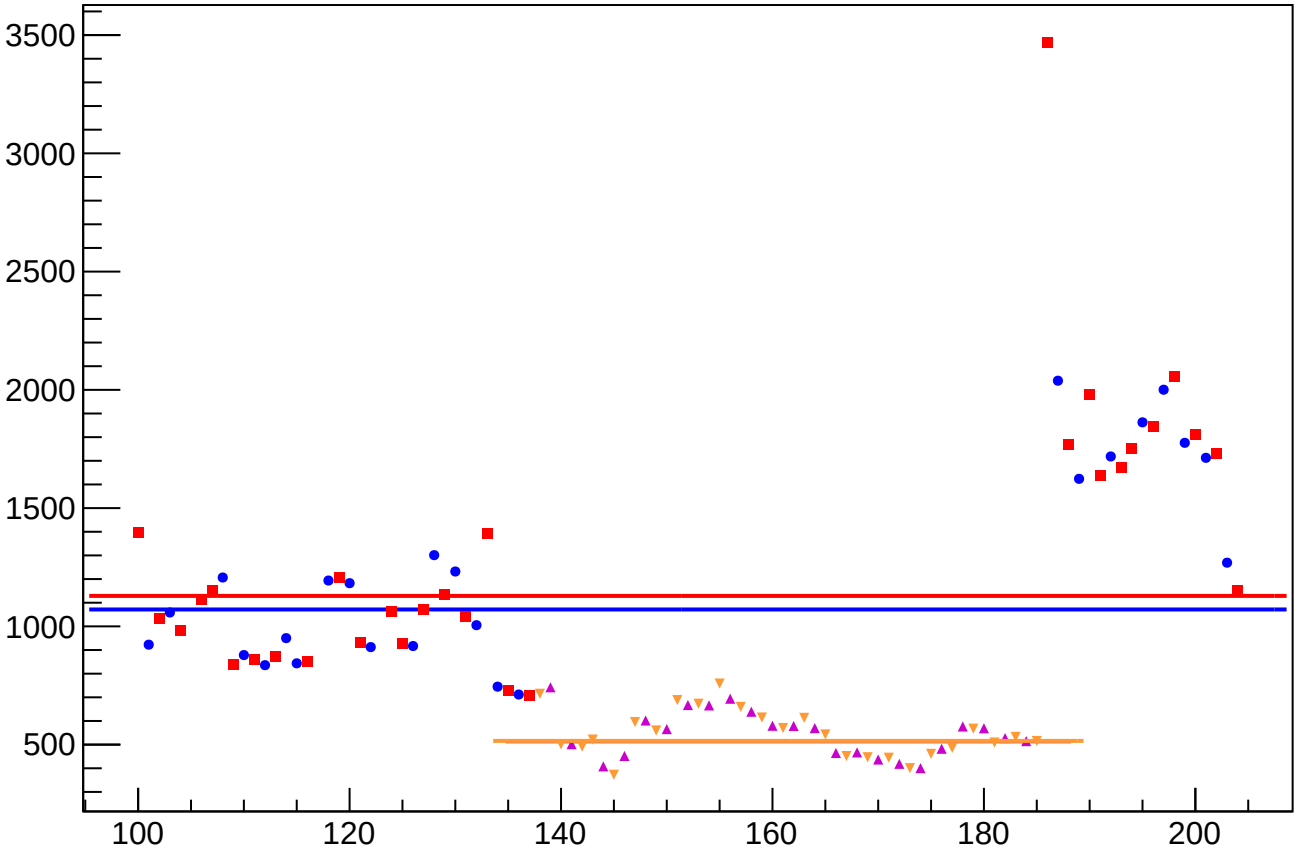
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -589.916+/-111.447 χ^2/NDF: 91.3/48

All: -389.370+/-79.522 χ^2/NDF: 146.6/101

- sign -181.352+/-113.504 χ^2/NDF: 48.8/52

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 1071.441+/-0.221 χ^2/NDF: 2595458.5/23

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1128.872+/-0.215 χ^2/NDF: 3192913.1/29

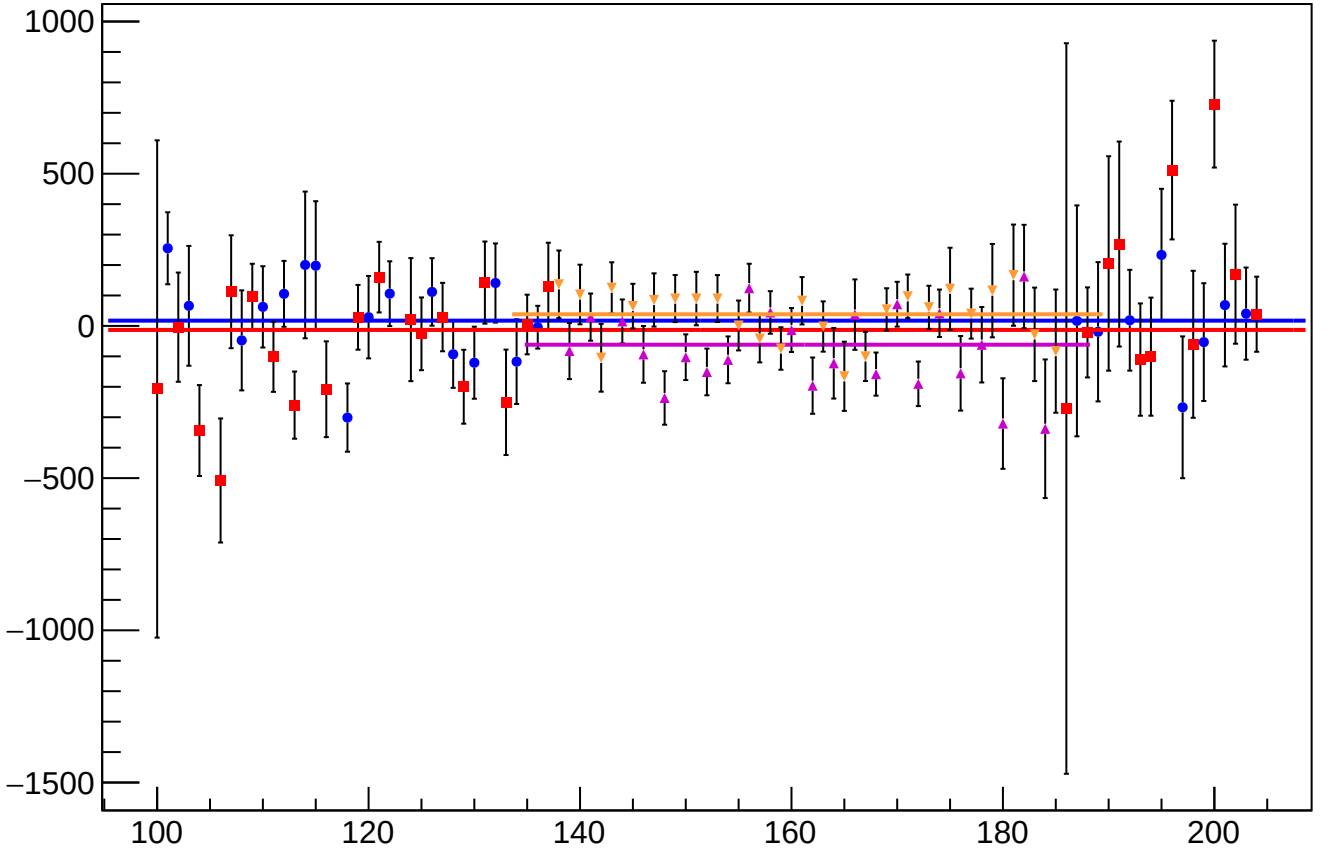
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 586.705+/-0.079 χ^2/NDF: 9365403.6/48

All: 592.953+/-0.056 χ^2/NDF: 20702635.2/10

- sign 599.433+/-0.080 χ^2/NDF: 11324426.7/52

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 17.307+/-27.918 χ^2/NDF: 22.9/23

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -13.172+/-27.482 χ^2/NDF: 49.1/29

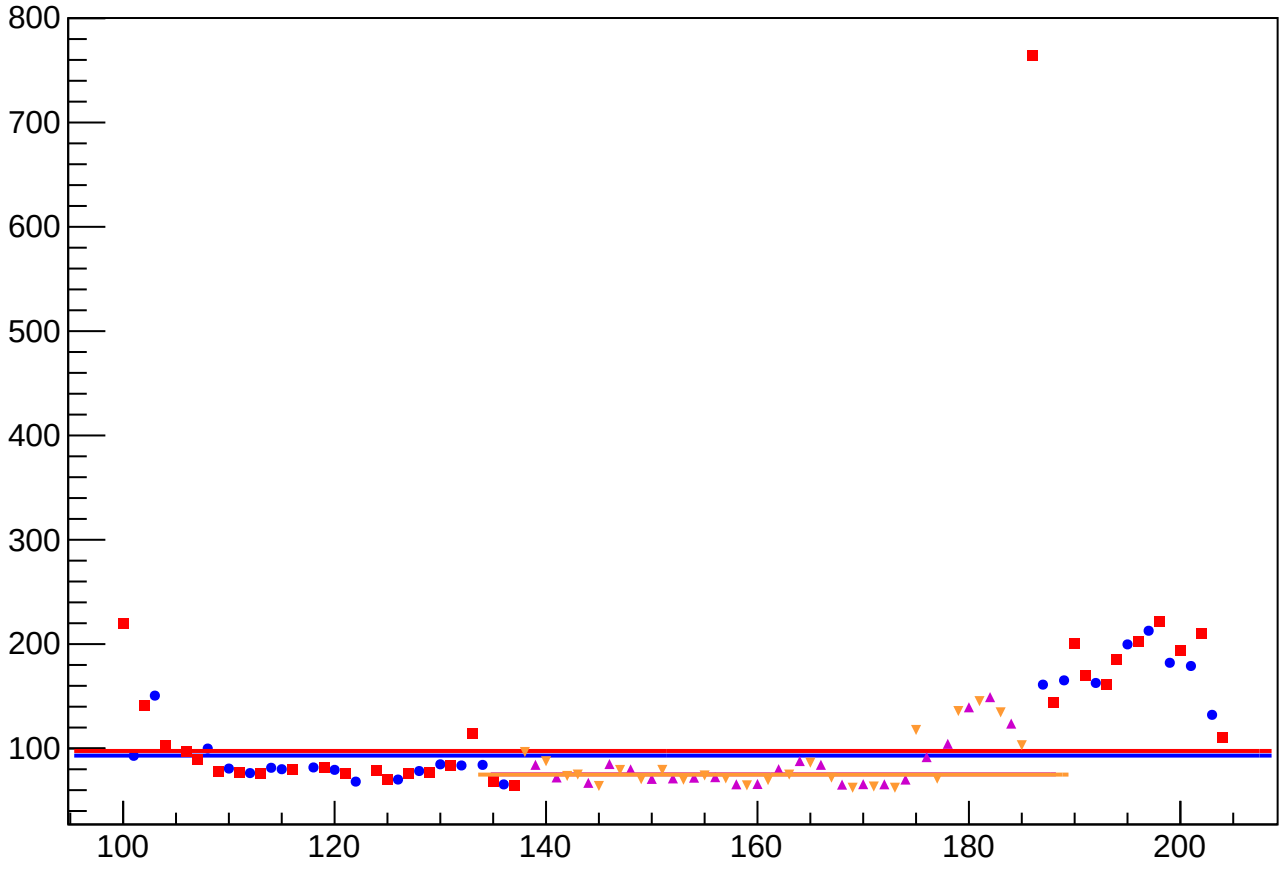
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.283+/-14.930 χ^2/NDF: 42.1/48

All: -6.695+/-10.641 χ^2/NDF: 144.0/101

- sign -46.930+/-15.169 χ^2/NDF: 88.0/52

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 93.124+/-0.020 χ^2/NDF: 3407970.7/23

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

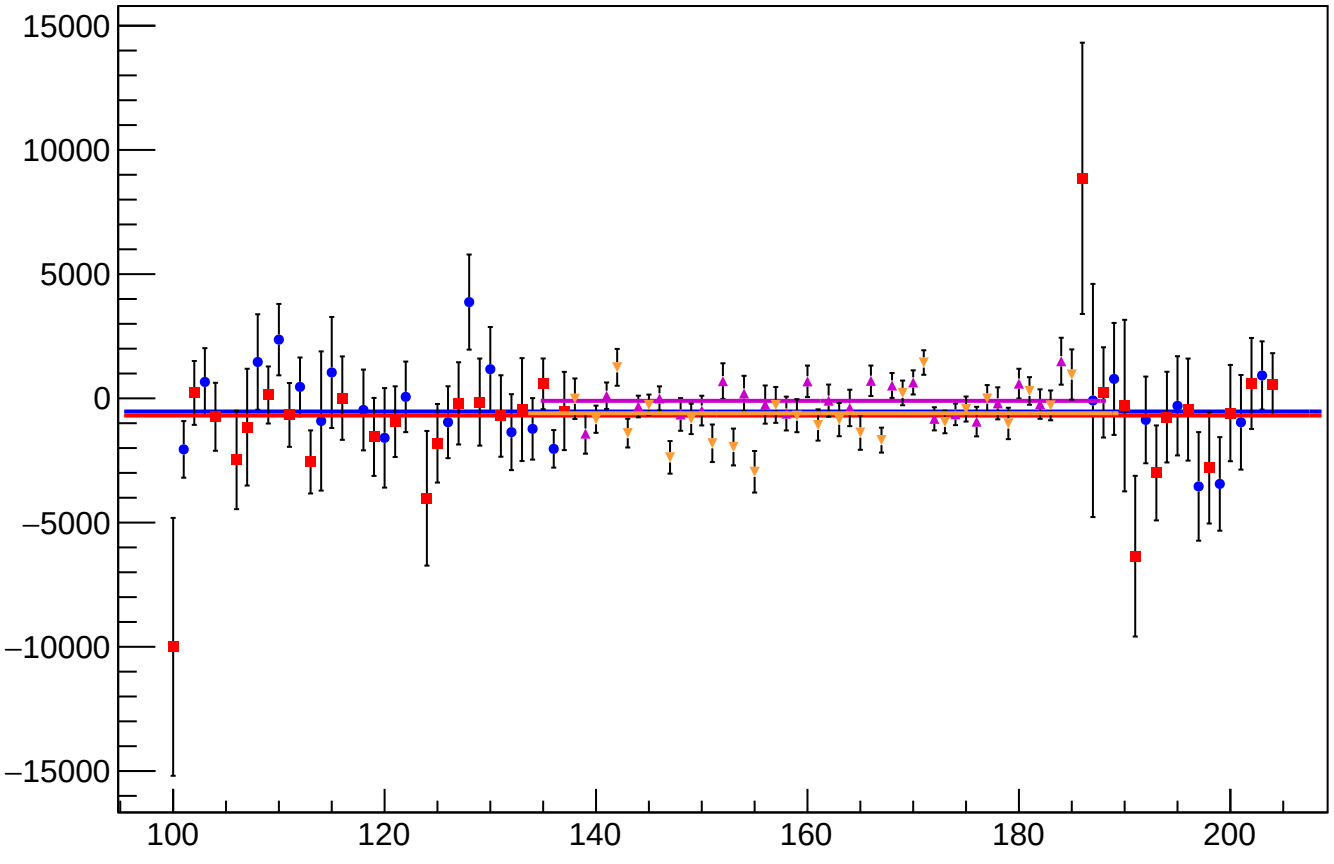
Right Out: 97.557+/-0.019 χ^2/NDF: 4711871.5/29

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 80.114+/-0.011 χ^2/NDF: 5677809.3/48

All: 81.033+/-0.008 χ^2/NDF: 12641633.4/101

- sign 81.981+/-0.011 χ^2/NDF: 6948439.2/52



Right In: -529.028+/-311.906 χ^2/NDF: 26.2/23

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

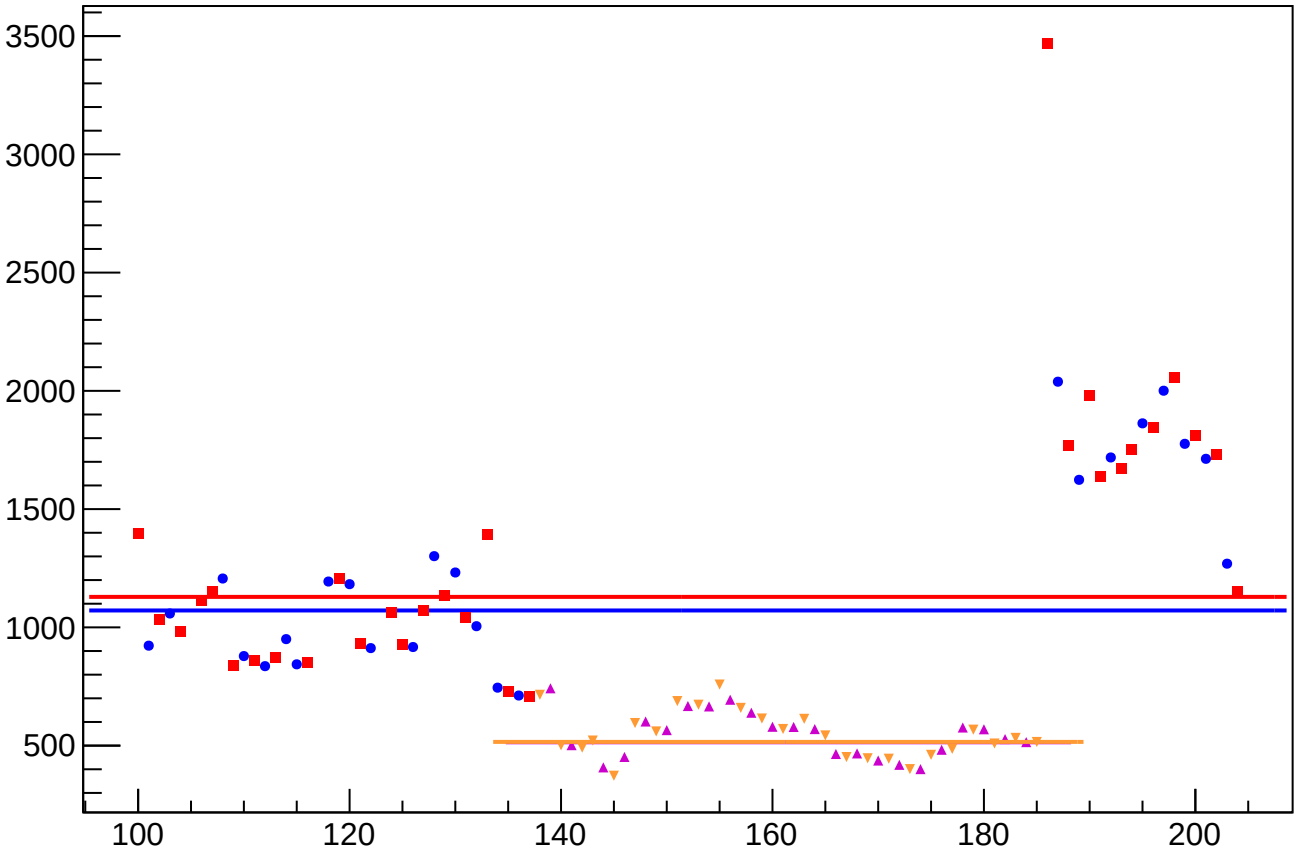
Right Out: -691.590+/-304.636 χ^2/NDF: 21.8/29

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -589.914+/-111.447 χ^2/NDF: 91.3/48

All: -389.369+/-79.522 χ^2/NDF: 146.6/101

- sign -181.352+/-113.504 χ^2/NDF: 48.8/52



Right In: 1071.439+/-0.221 χ^2/NDF: 2595464.6/23

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1128.869+/-0.215 χ^2/NDF: 3192922.2/29

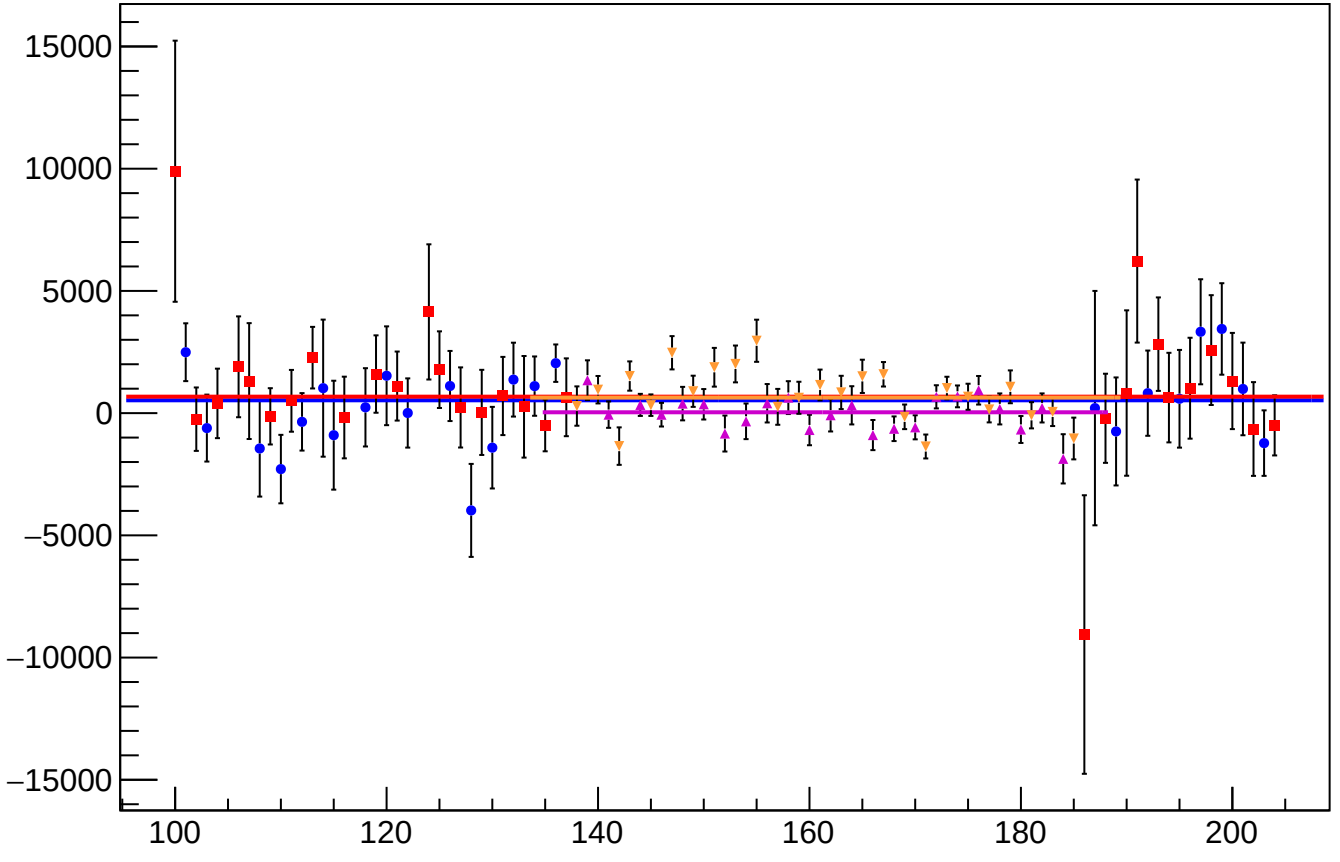
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 586.704+/-0.079 χ^2/NDF: 9365408.1/48

All: 592.951+/-0.056 χ^2/NDF: 20702638.8/10

- sign 599.432+/-0.080 χ^2/NDF: 11324425.7/52

asym_sam_12345678_avg_mean vs Slug



Right In: 524.976+/-311.422 χ^2/NDF: 27.8/23

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 673.807+/-306.265 χ^2/NDF: 19.7/29

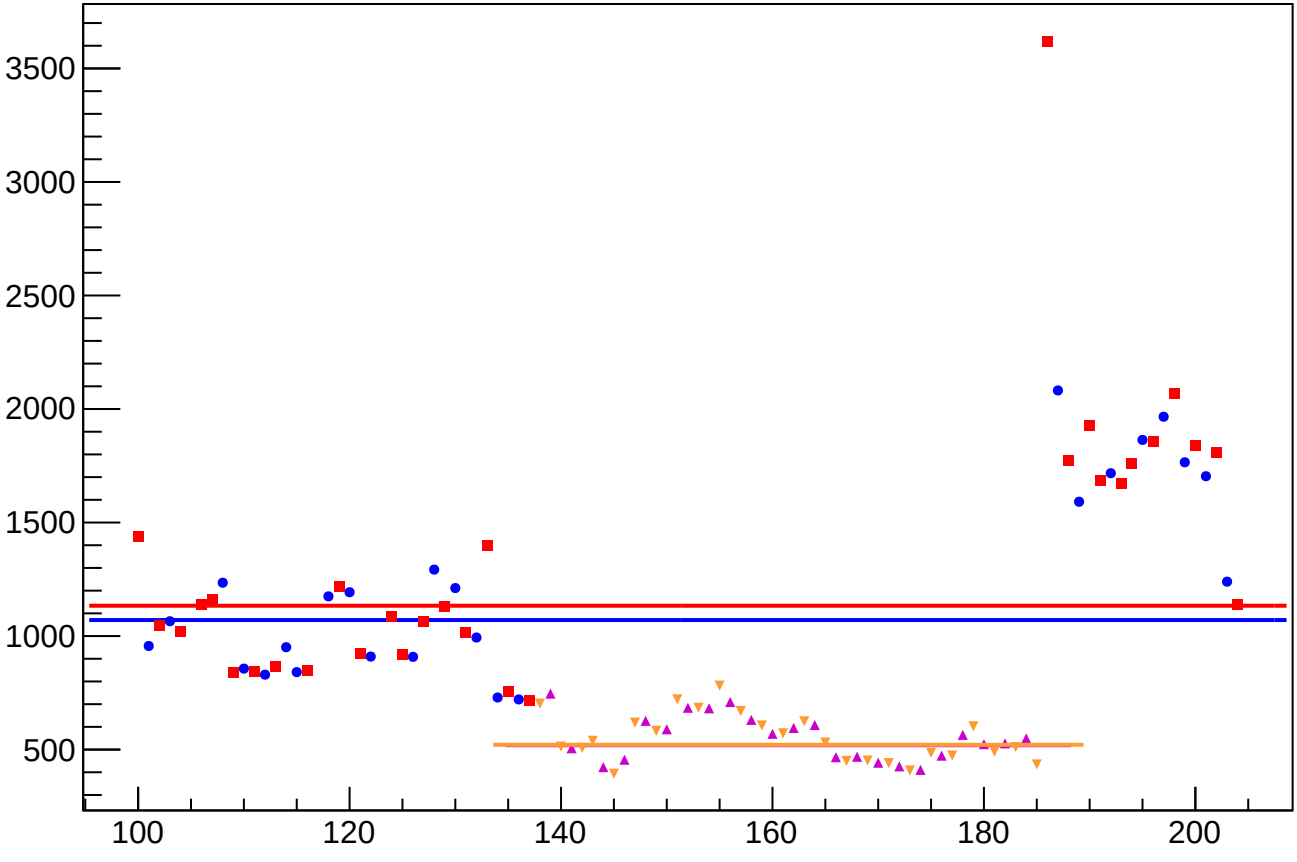
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 620.439+/-112.556 χ^2/NDF: 92.4/48

All: 376.681+/-80.286 χ^2/NDF: 150.5/101

- sign 124.203+/-114.552 χ^2/NDF: 48.6/52

asym_sam_12345678_avg_rms vs Slug



Right In: 1070.519+/-0.220 χ^2/NDF: 2546209.8/23

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

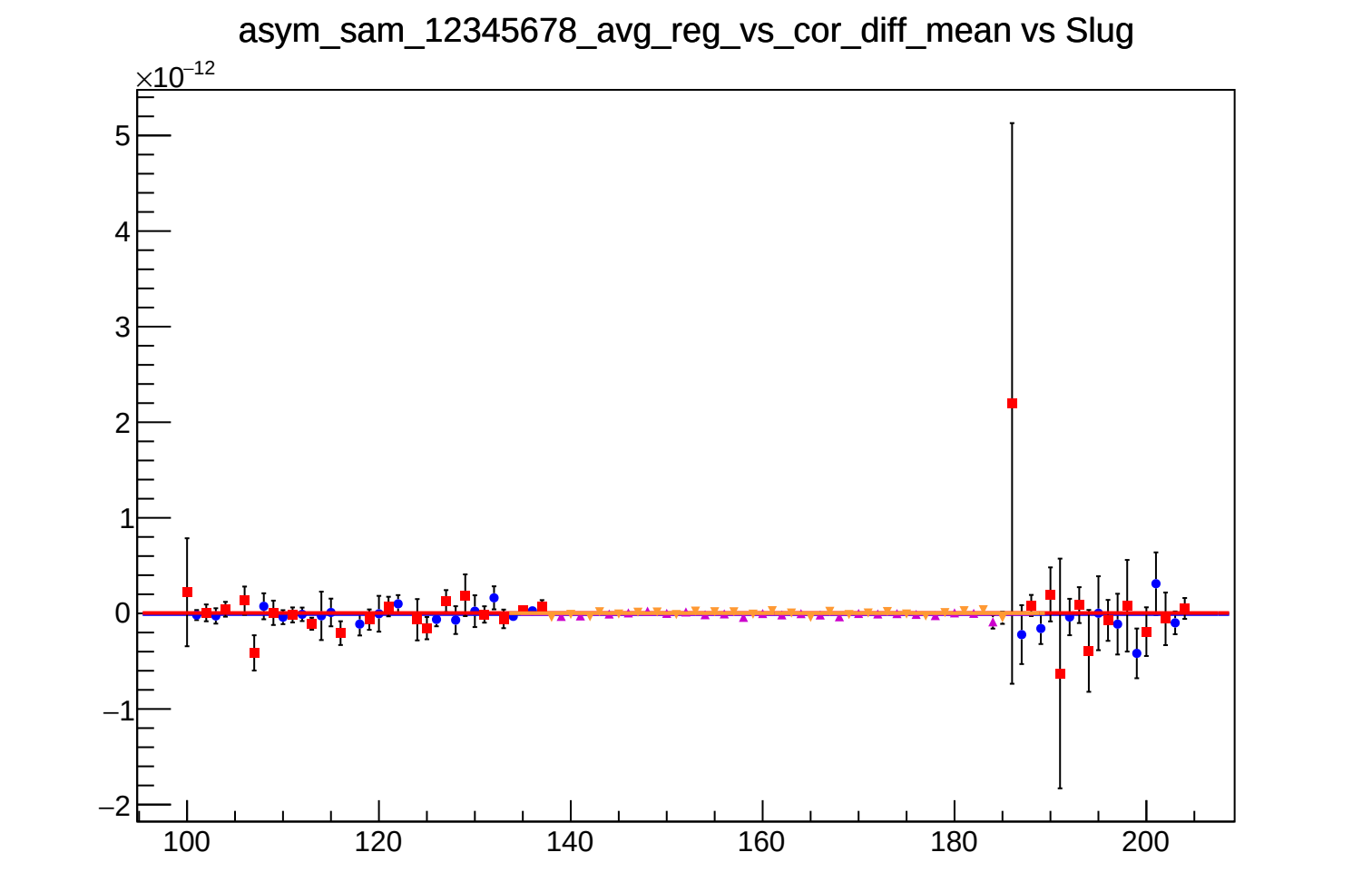
Right Out: 1133.588+/-0.217 χ^2/NDF: 3223424.8/29

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 592.805+/-0.080 χ^2/NDF: 9202509.5/48

All: 598.887+/-0.057 χ^2/NDF: 20460104.2/10

- sign 605.185+/-0.081 χ^2/NDF: 11245709.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

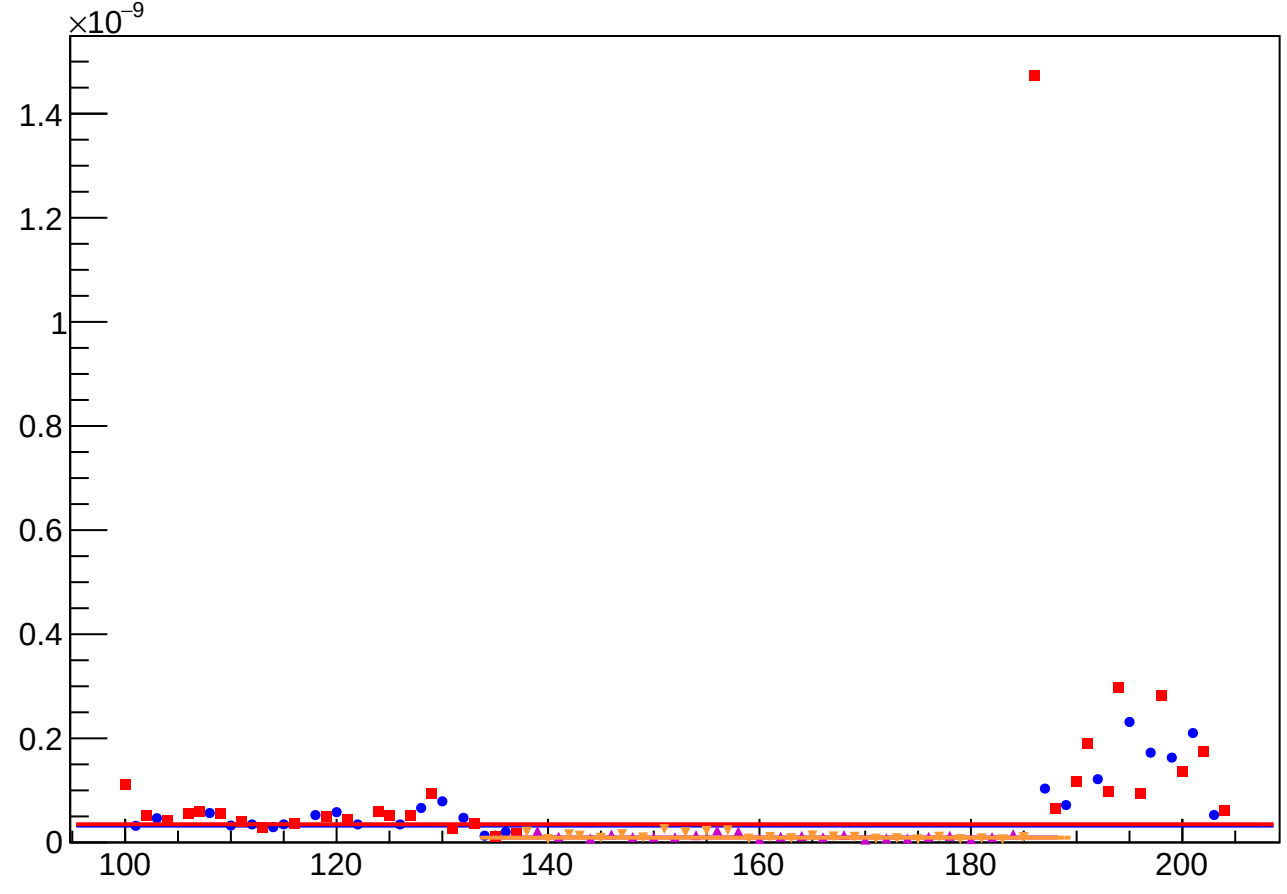
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/29

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.4/48

All: -0.000+/-0.000 χ^2/NDF: 71.1/101

- sign -0.000+/-0.000 χ^2/NDF: 34.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 3983421.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

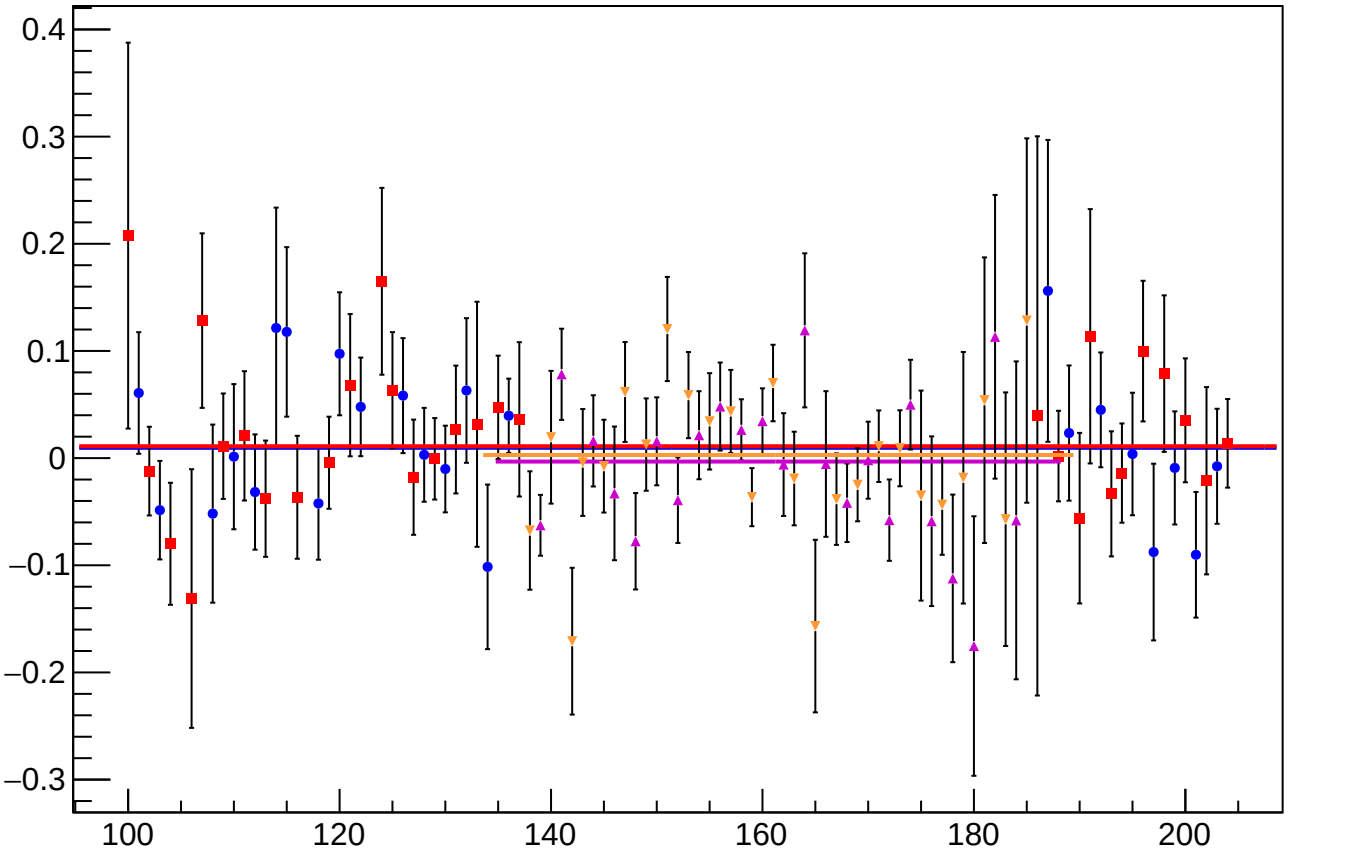
Right Out: 0.000+/-0.000 χ^2/NDF: 5280453.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9577145.9/48

All: 0.000+/-0.000 χ^2/NDF: 20120115.7/101

- sign 0.000+/-0.000 χ^2/NDF: 10528891.5/52



Right In: 0.010+/-0.011 χ^2/NDF: 21.1/23

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.011+/-0.011 χ^2/NDF: 20.5/29

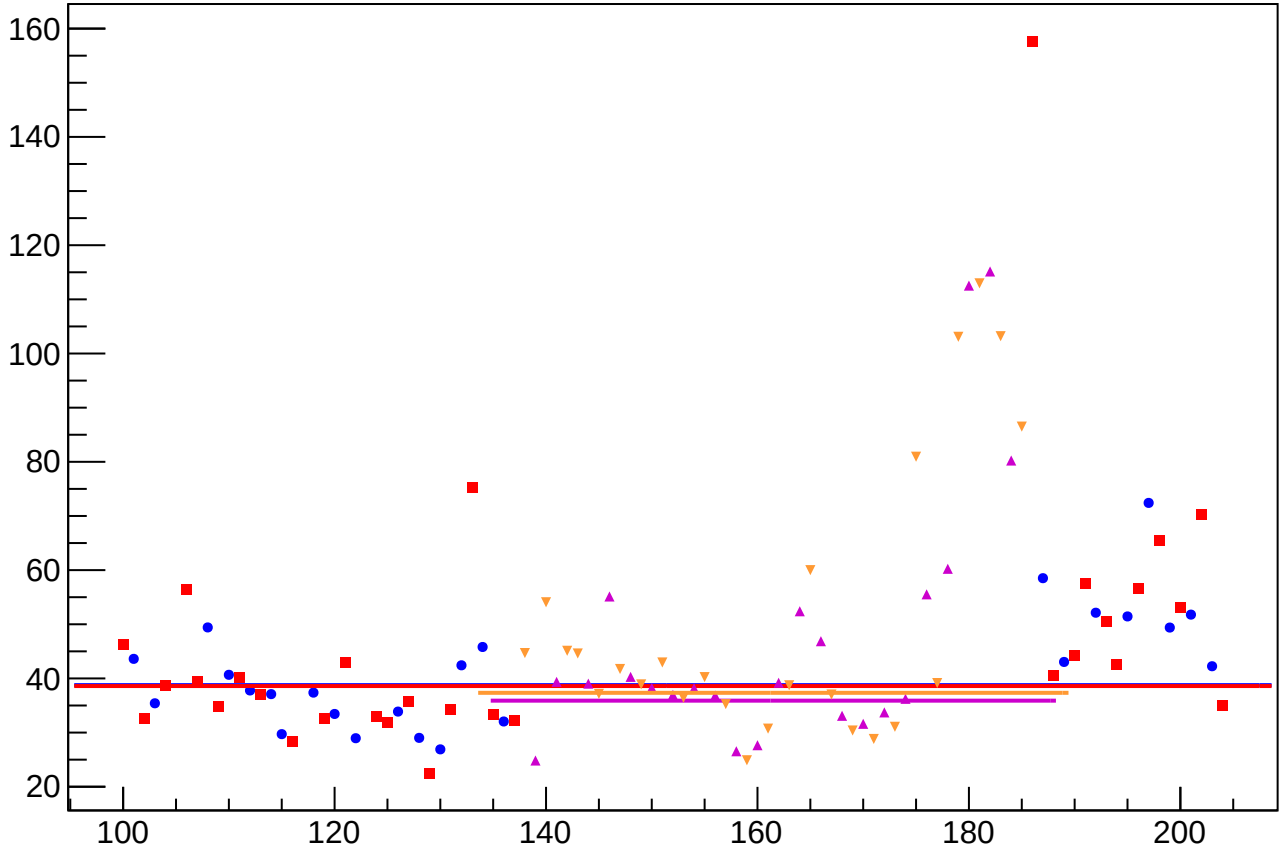
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.006+/-0.007 χ^2/NDF: 54.2/48

All: 0.004+/-0.005 χ^2/NDF: 105.6/101

- sign 0.003+/-0.007 χ^2/NDF: 51.4/52

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 38.758+/-0.008 χ^2/NDF: 1374968.1/23

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

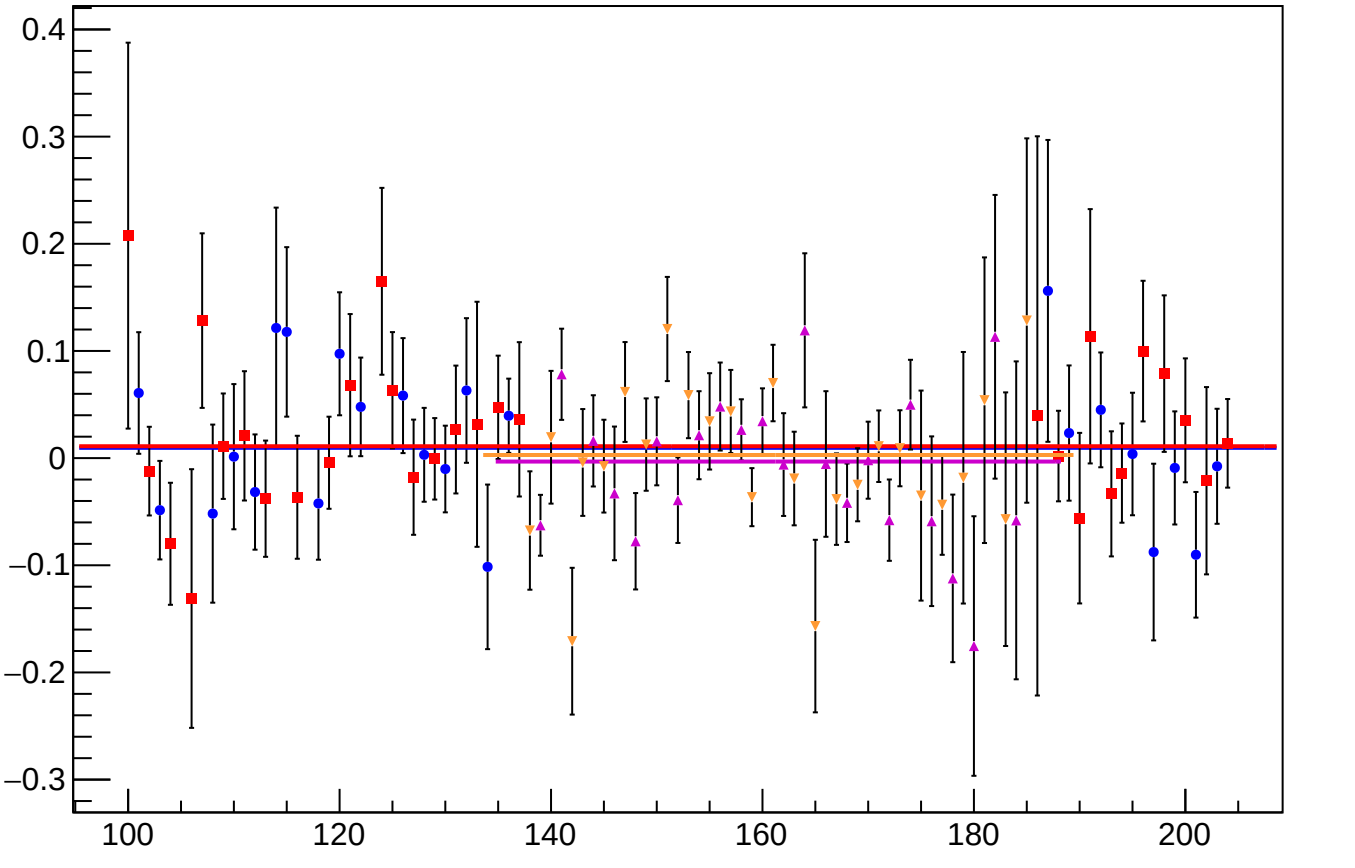
Right Out: 38.592+/-0.008 χ^2/NDF: 2283552.7/29

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.905+/-0.005 χ^2/NDF: 5090132.3/48

All: 37.456+/-0.004 χ^2/NDF: 10600346.1/101

- sign 37.036+/-0.005 χ^2/NDF: 5495125.9/52



Right In: 0.010+/-0.011 χ^2/NDF: 21.1/23

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

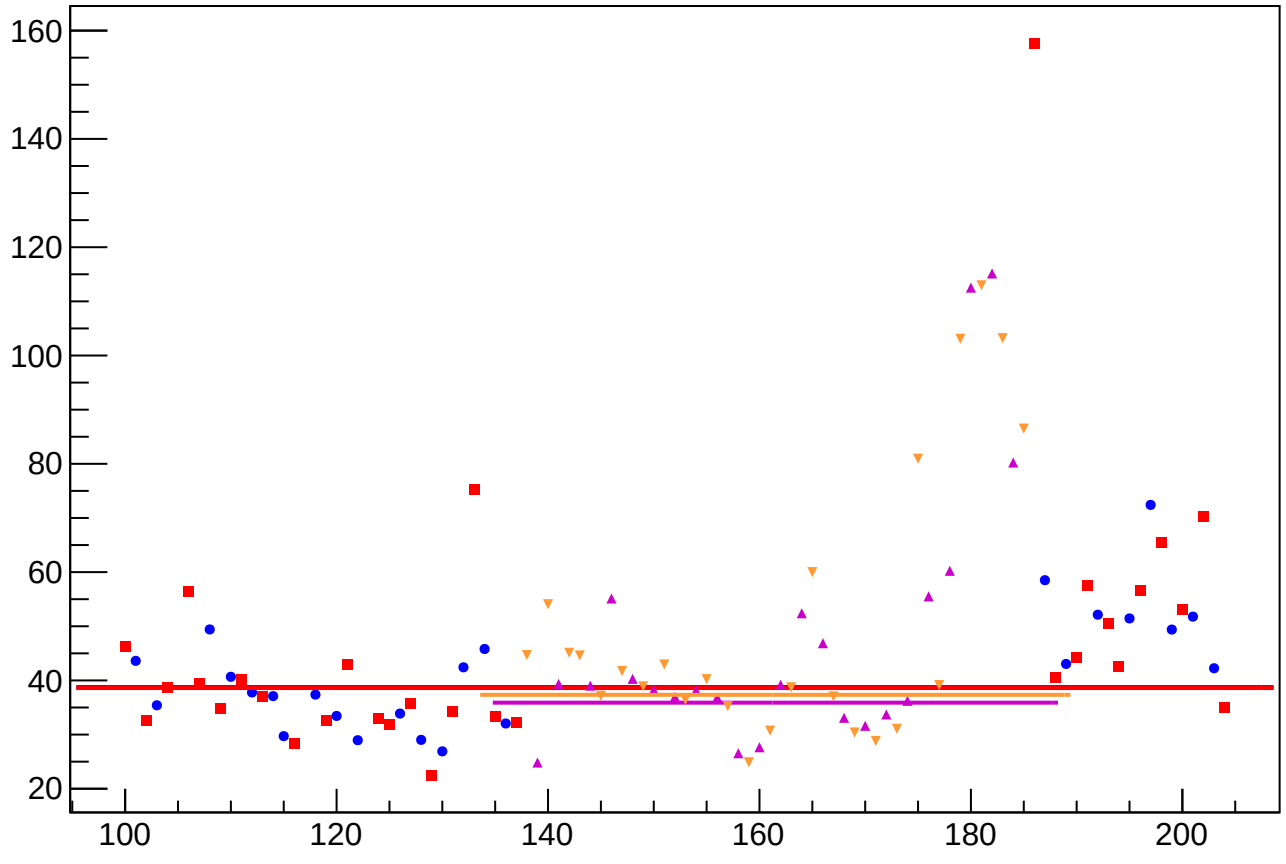
Right Out: 0.011+/-0.011 χ^2/NDF: 20.5/29

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.006+/-0.007 χ^2/NDF: 54.2/48

All: 0.004+/-0.005 χ^2/NDF: 105.6/101

- sign 0.003+/-0.007 χ^2/NDF: 51.4/52



Right In: 38.758+/-0.008 χ^2/NDF: 1374968.1/23

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

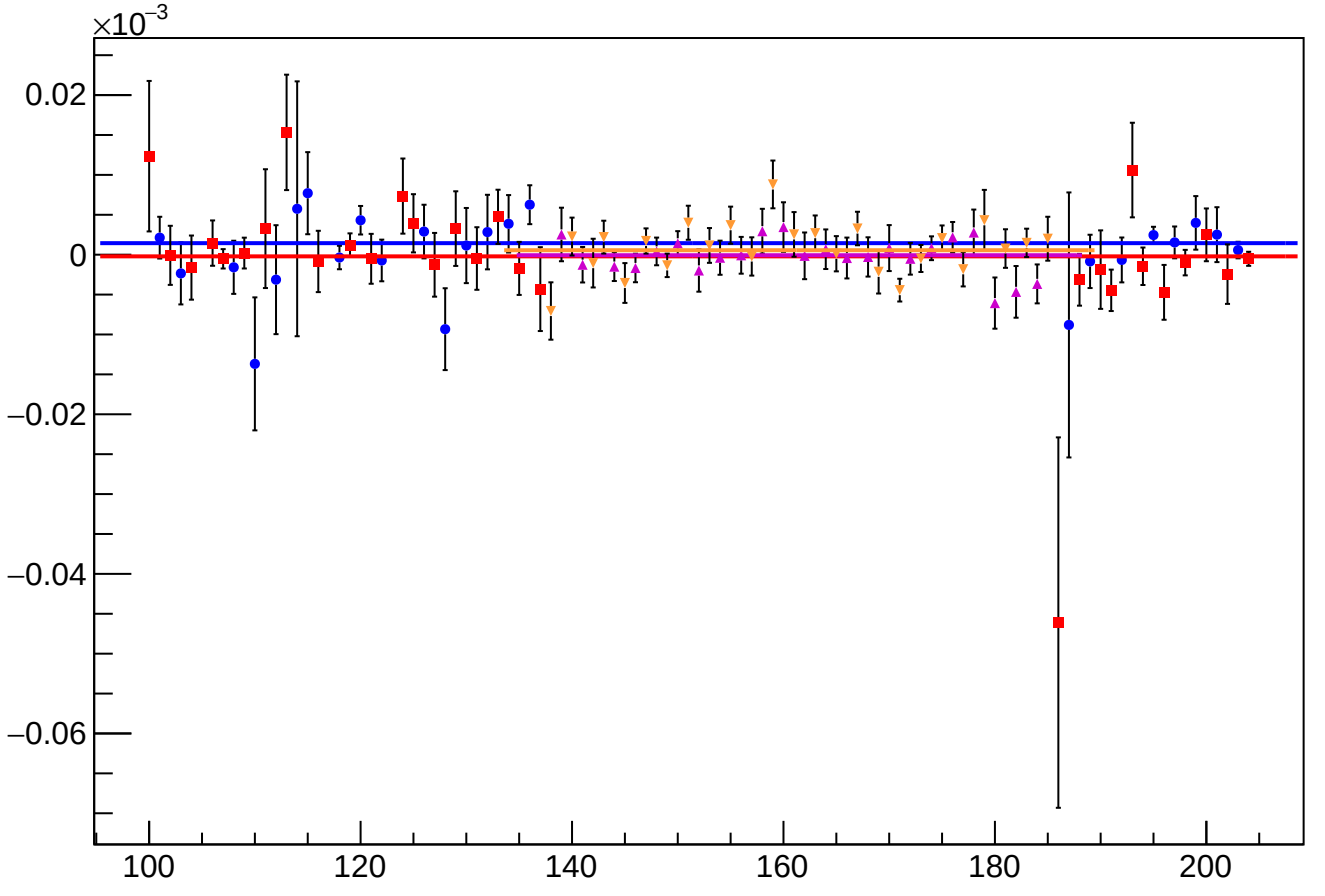
Right Out: 38.592+/-0.008 χ^2/NDF: 2283552.7/29

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.905+/-0.005 χ^2/NDF: 5090132.3/48

All: 37.456+/-0.004 χ^2/NDF: 10600346.1/101

- sign 37.036+/-0.005 χ^2/NDF: 5495125.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

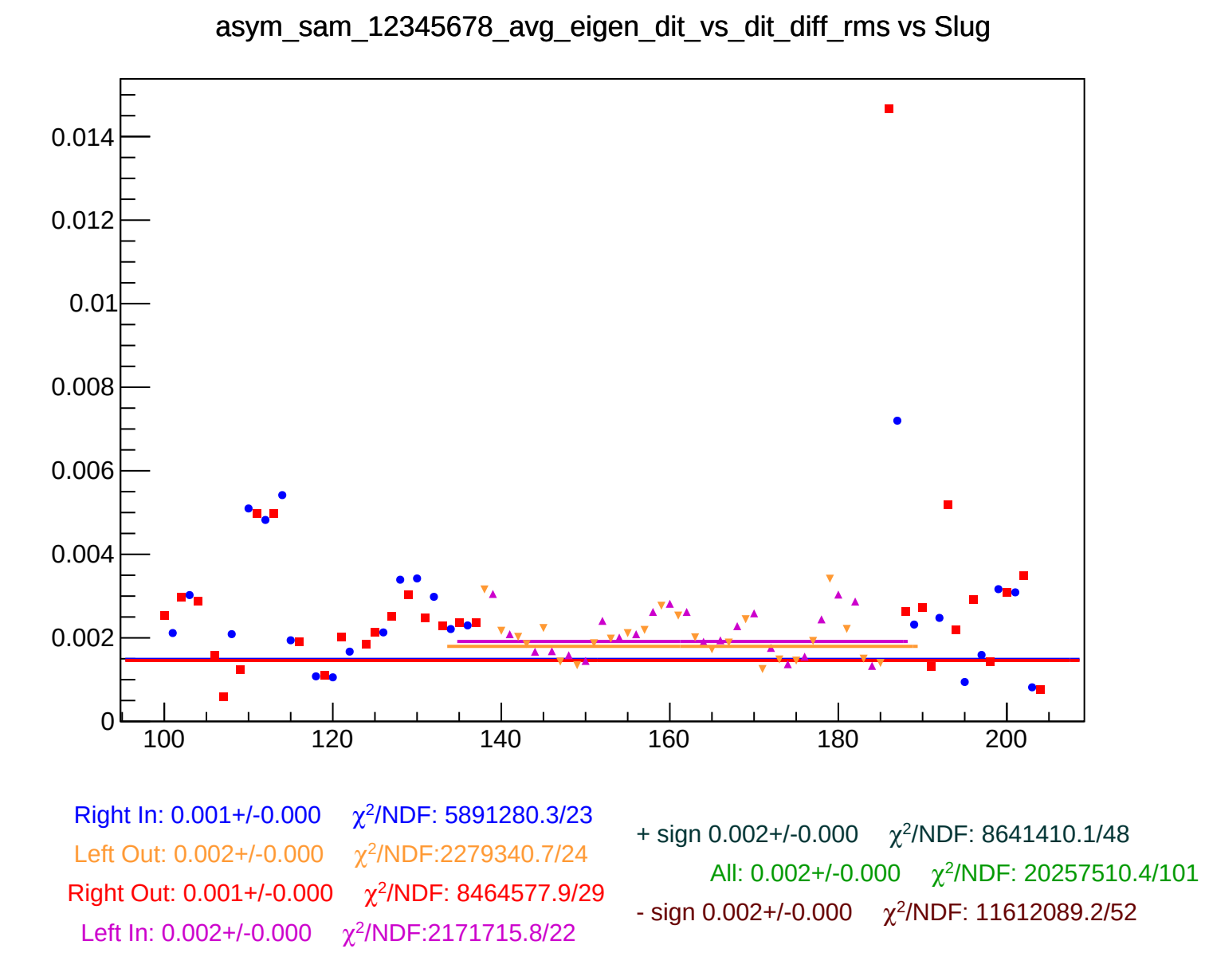
Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/29

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

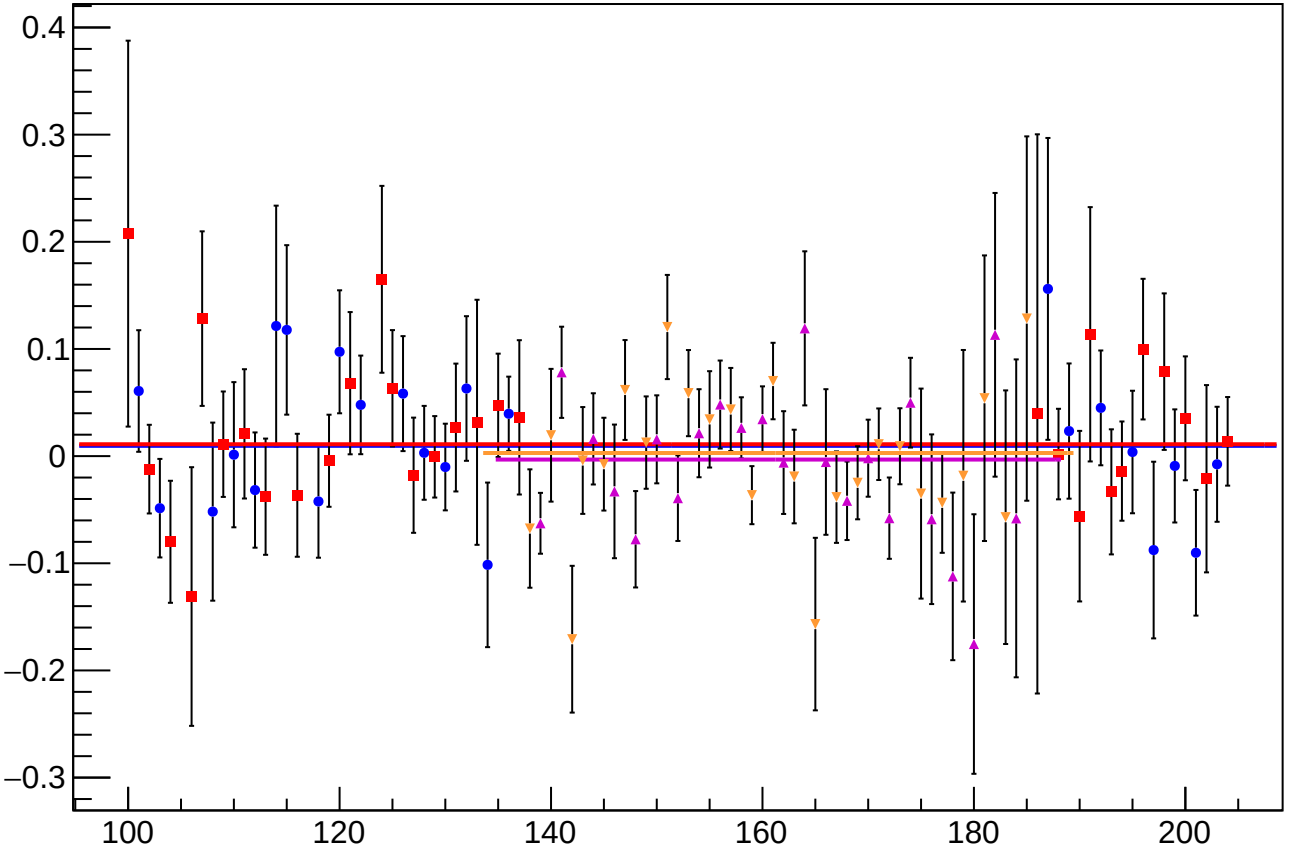
+ sign 0.000+/-0.000 χ^2/NDF: 70.1/48

All: 0.000+/-0.000 χ^2/NDF: 122.6/101

- sign -0.000+/-0.000 χ^2/NDF: 46.8/52


asym_sam_12345678_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: 5891280.3/23
Left Out: 0.002+/-0.000 χ²/NDF:2279340.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 8464577.9/29
Left In: 0.002+/-0.000 χ²/NDF:2171715.8/22
+ sign 0.002+/-0.000 χ²/NDF: 8641410.1/48
All: 0.002+/-0.000 χ²/NDF: 20257510.4/101
- sign 0.002+/-0.000 χ²/NDF: 11612089.2/52

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.011 χ^2/NDF: 21.1/23

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

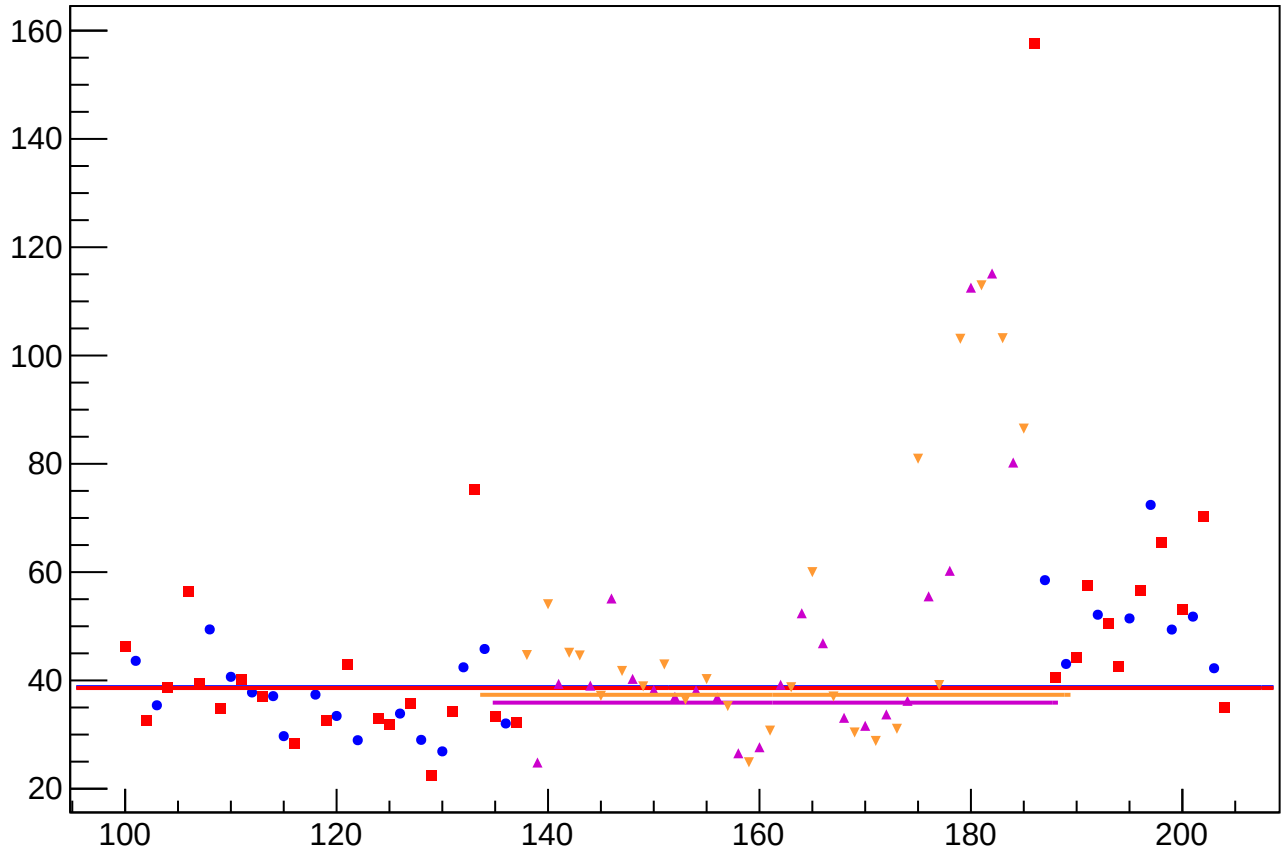
Right Out: 0.011+/-0.011 χ^2/NDF: 20.5/29

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.006+/-0.007 χ^2/NDF: 54.2/48

All: 0.004+/-0.005 χ^2/NDF: 105.6/101

- sign 0.003+/-0.007 χ^2/NDF: 51.4/52



Right In: 38.758+/-0.008 χ^2/NDF: 1375084.5/23

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 38.592+/-0.008 χ^2/NDF: 2283671.5/29

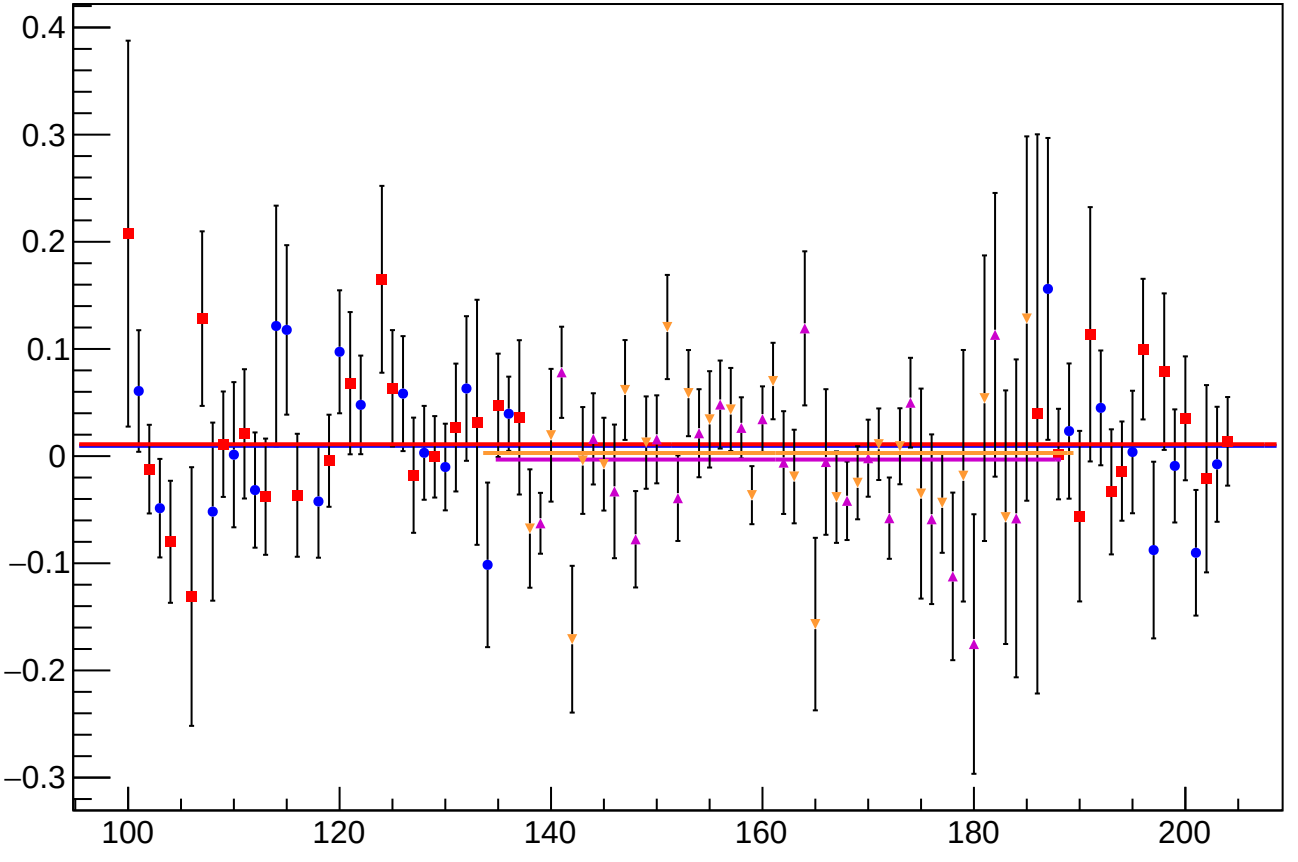
Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.905+/-0.005 χ^2/NDF: 5090274.8/48

All: 37.456+/-0.004 χ^2/NDF: 10600578.9/101

- sign 37.036+/-0.005 χ^2/NDF: 5495222.6/52

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.011 χ^2/NDF: 21.1/23

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

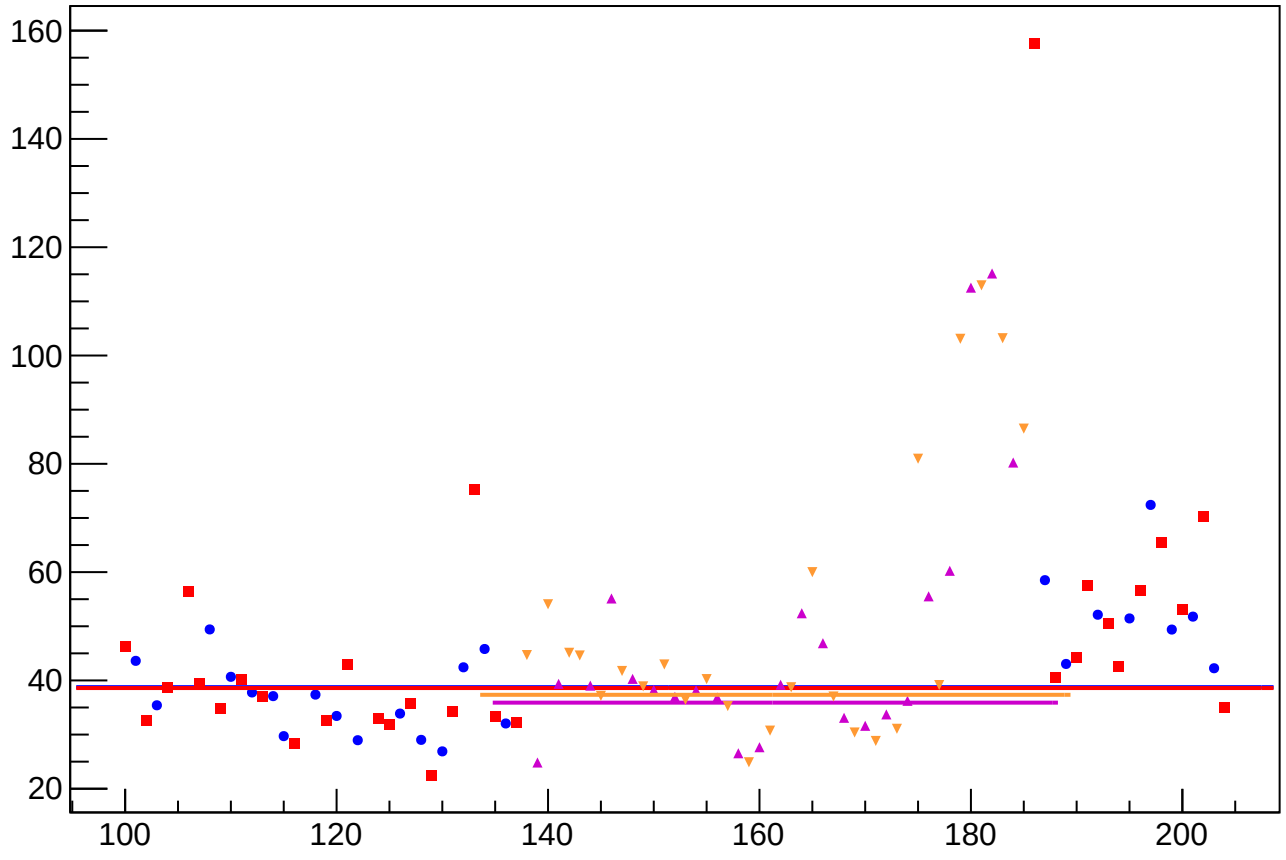
Right Out: 0.011+/-0.011 χ^2/NDF: 20.5/29

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.006+/-0.007 χ^2/NDF: 54.2/48

All: 0.004+/-0.005 χ^2/NDF: 105.6/101

- sign 0.003+/-0.007 χ^2/NDF: 51.4/52



Right In: 38.758+/-0.008 χ^2/NDF: 1375084.5/23

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 38.592+/-0.008 χ^2/NDF: 2283671.5/29

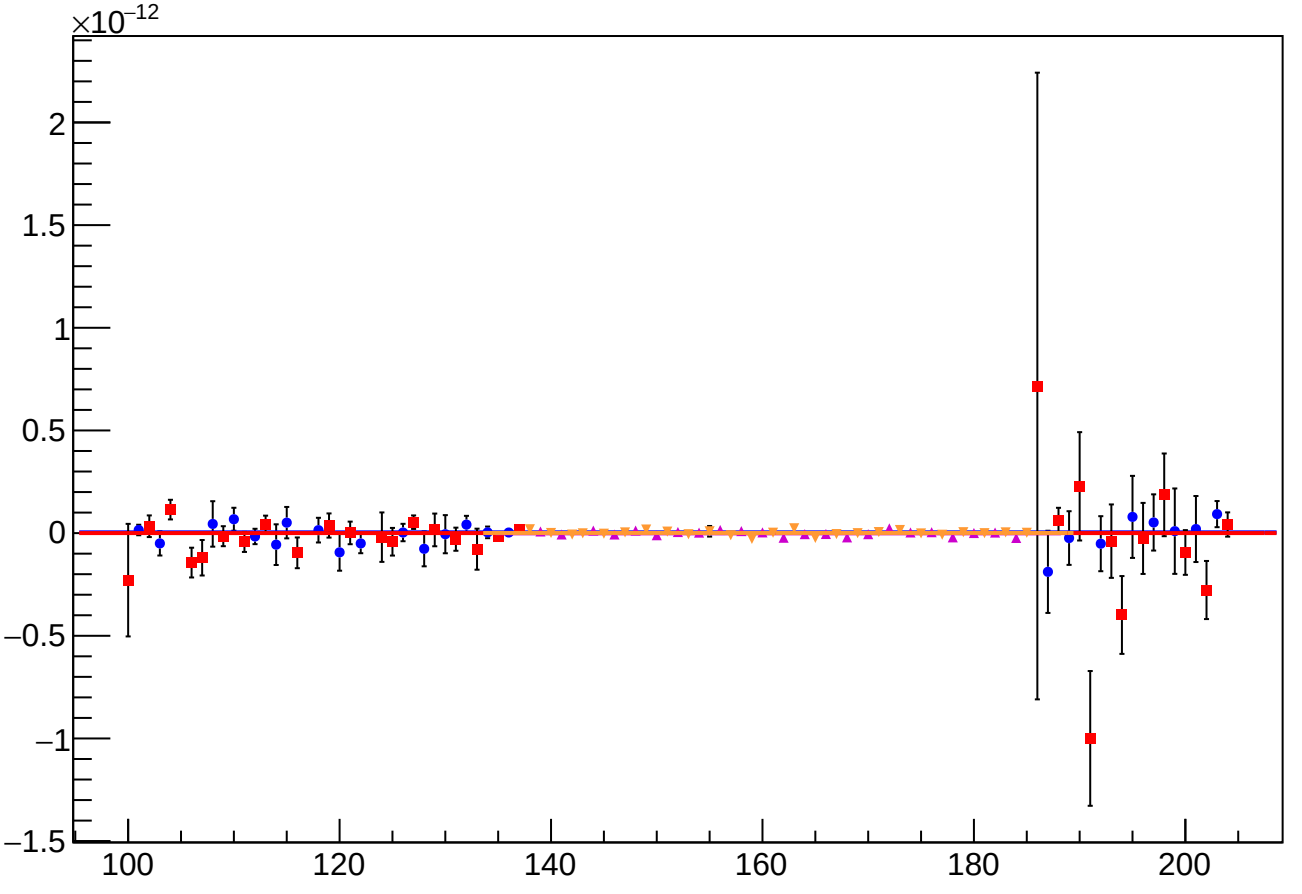
Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.905+/-0.005 χ^2/NDF: 5090274.8/48

All: 37.456+/-0.004 χ^2/NDF: 10600578.9/101

- sign 37.036+/-0.005 χ^2/NDF: 5495222.6/52

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

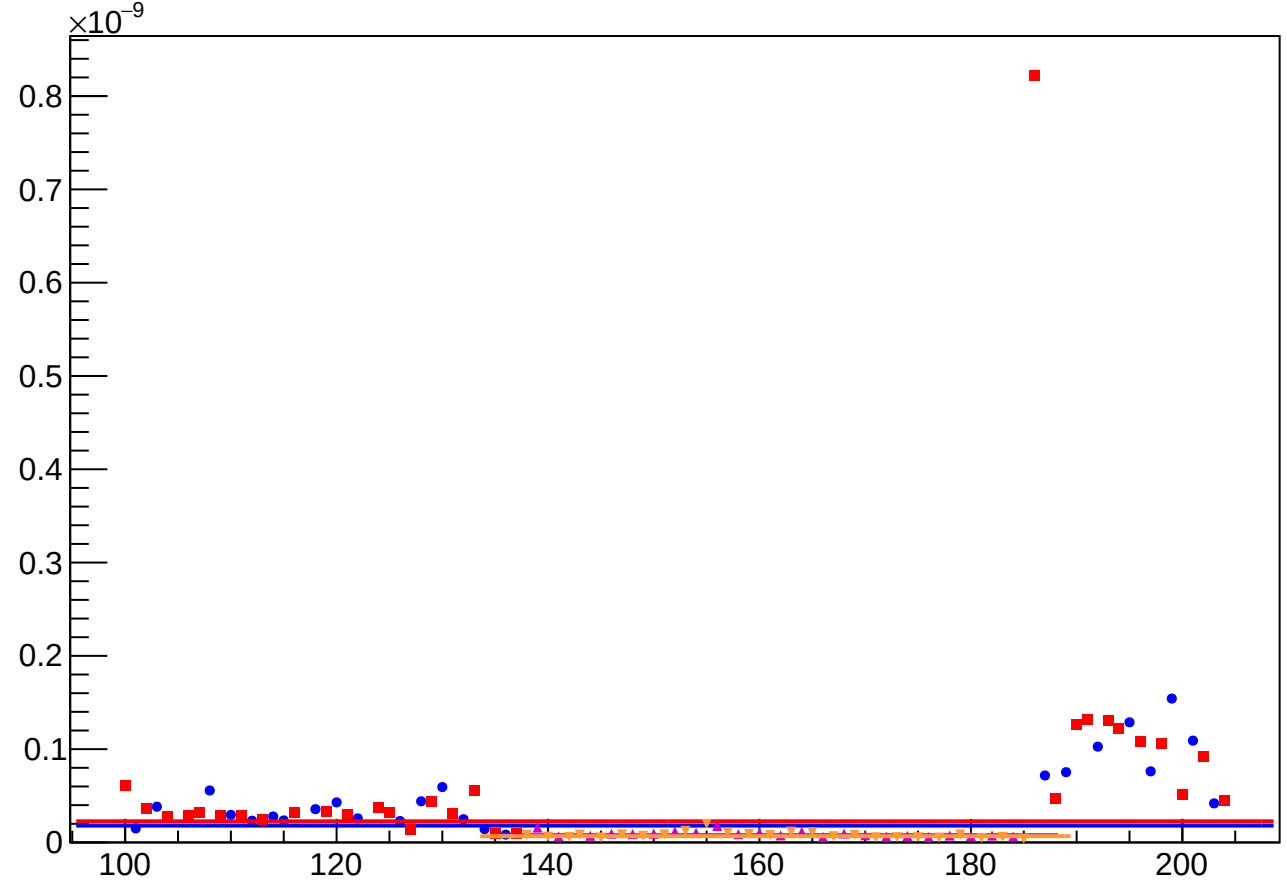
Right Out: 0.000+/-0.000 χ^2/NDF: 43.1/29

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.6/48

All: 0.000+/-0.000 χ^2/NDF: 105.2/101

- sign -0.000+/-0.000 χ^2/NDF: 72.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 7017574.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7042963.6/29

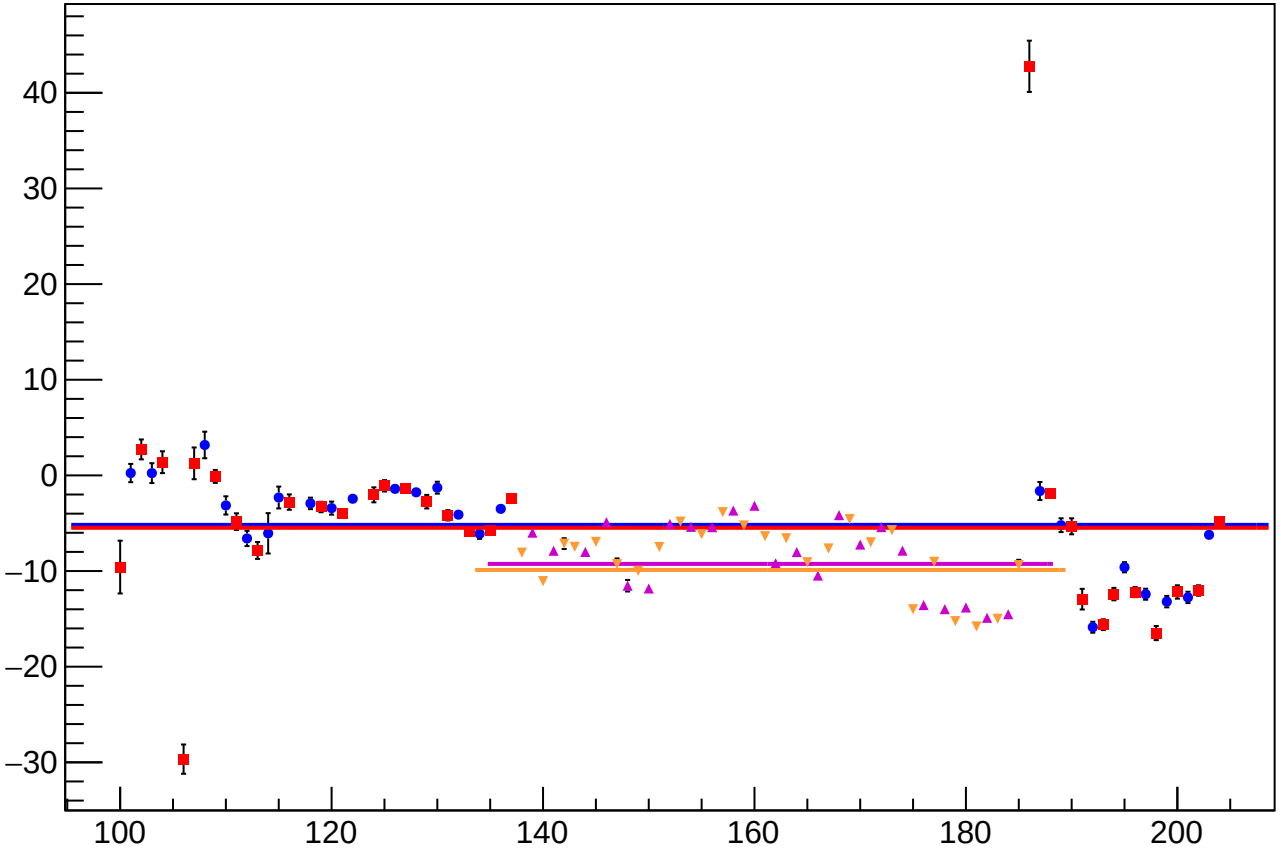
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12567951.2/48

All: 0.000+/-0.000 χ^2/NDF: 25916353.8/101

- sign 0.000+/-0.000 χ^2/NDF: 12999913.9/52

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -5.173+/-0.114 χ^2/NDF: 1313.3/23

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.479+/-0.109 χ^2/NDF: 2253.5/29

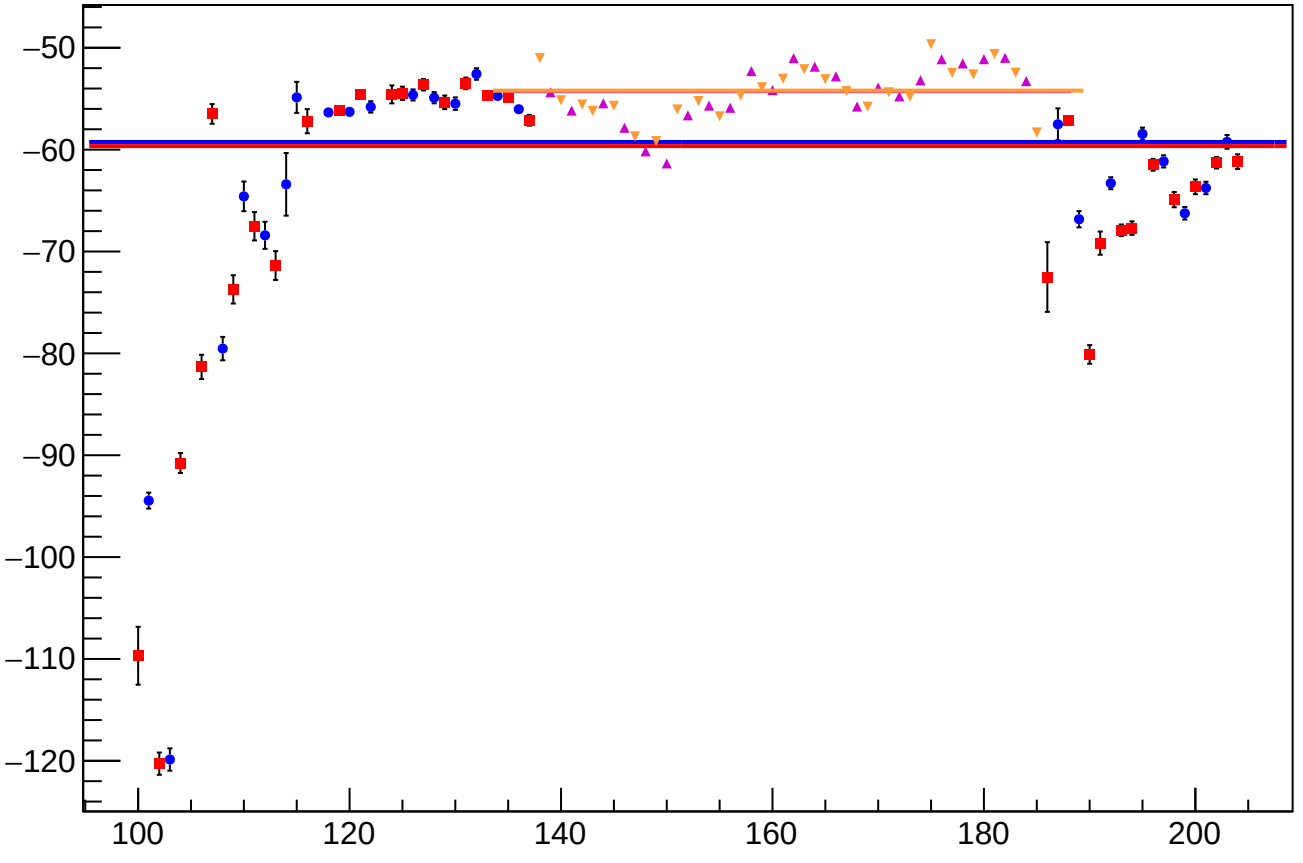
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.605+/-0.059 χ^2/NDF: 5769.0/48

All: -8.364+/-0.042 χ^2/NDF: 11961.0/101

- sign -8.117+/-0.060 χ^2/NDF: 6158.4/52

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -59.246+/-0.118 χ^2/NDF: 6520.7/23

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.653+/-0.115 χ^2/NDF: 7043.2/29

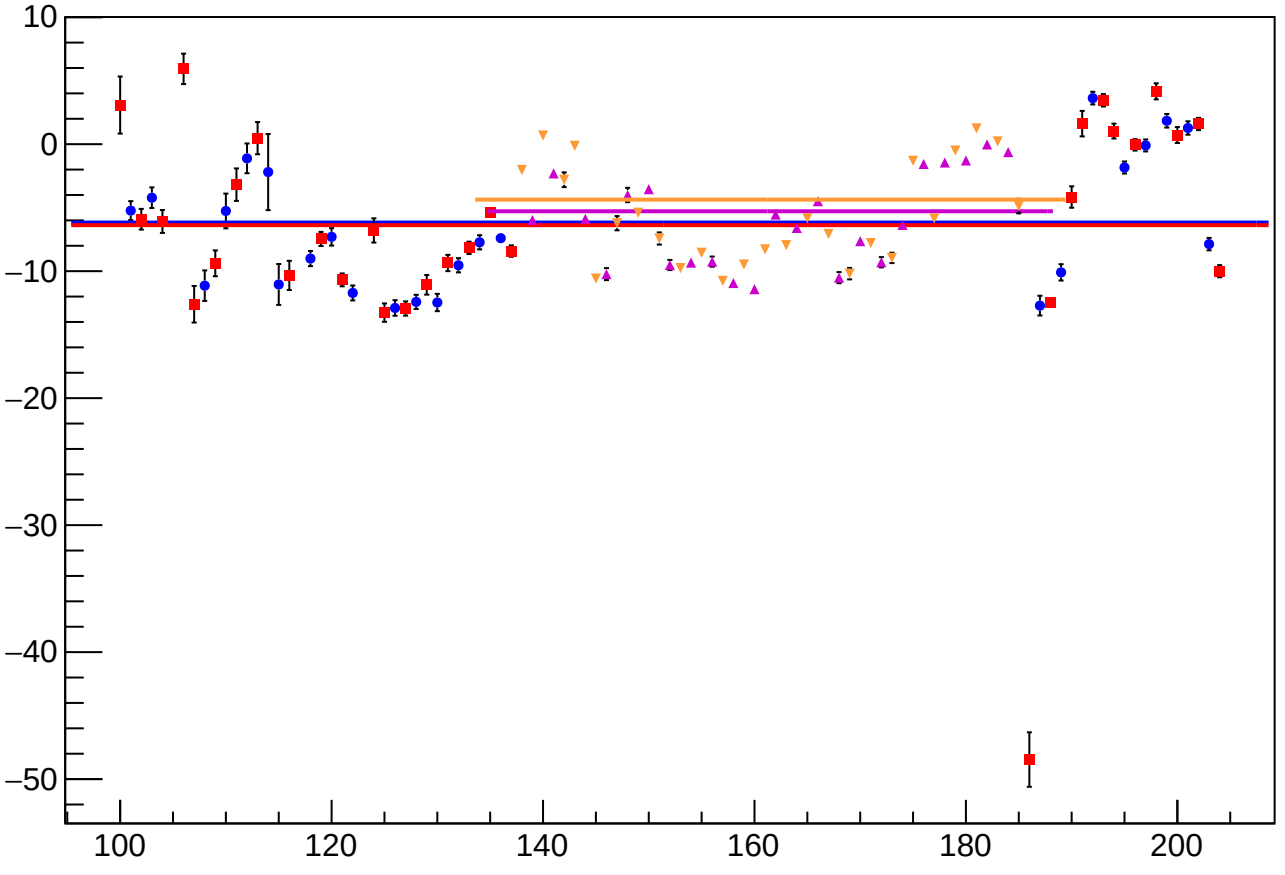
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

\+ sign -55.132+/-0.050 χ^2/NDF: 9875.8/48

All: -55.243+/-0.036 χ^2/NDF: 21170.6/101

\- sign -55.361+/-0.052 χ^2/NDF: 11284.8/52

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -6.172+/-0.115 χ^2/NDF: 1753.7/23

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -6.377+/-0.108 χ^2/NDF: 3099.4/29

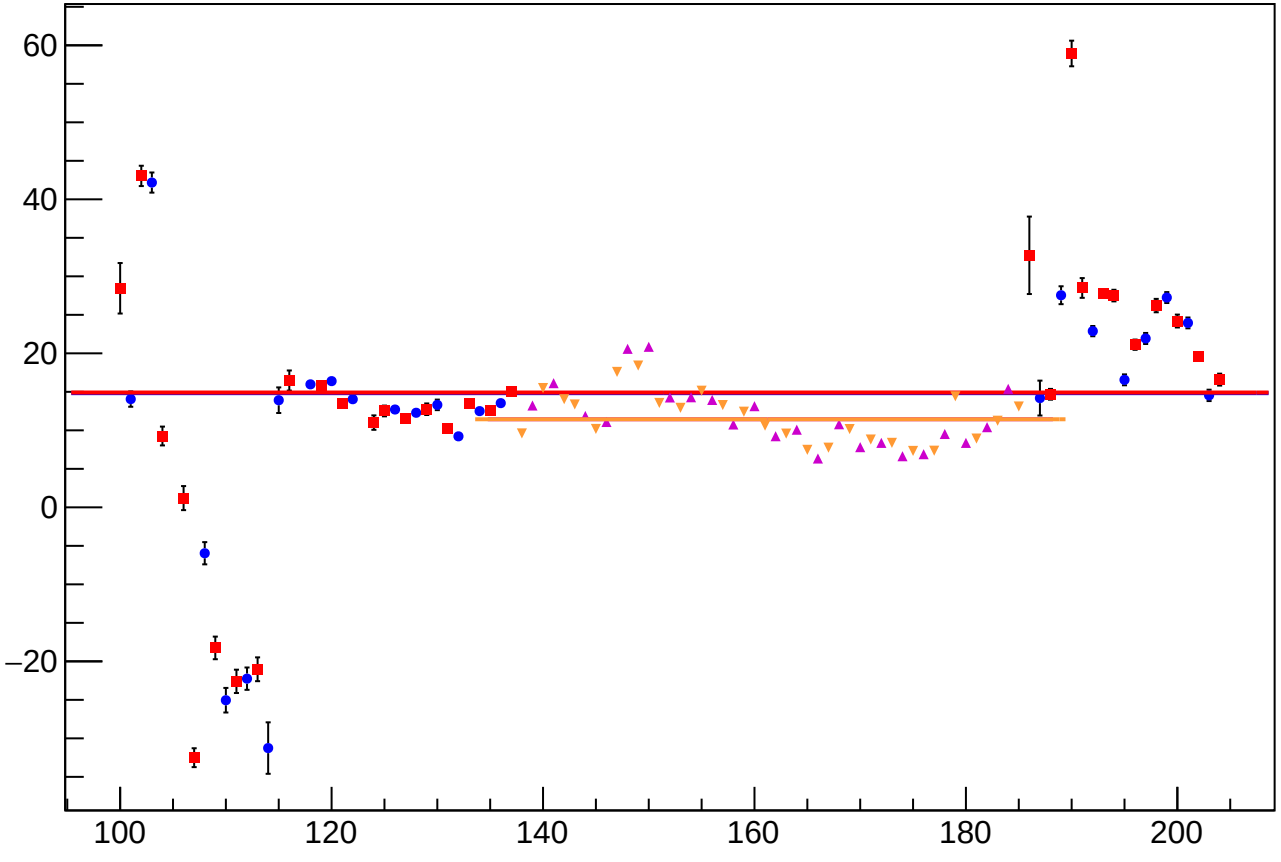
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -4.849+/-0.059 χ^2/NDF: 5637.0/48

All: -5.231+/-0.042 χ^2/NDF: 11641.1/101

- sign -5.613+/-0.059 χ^2/NDF: 5921.1/52

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 14.828+/-0.132 χ^2/NDF: 3146.8/23

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.912+/-0.131 χ^2/NDF: 5865.7/29

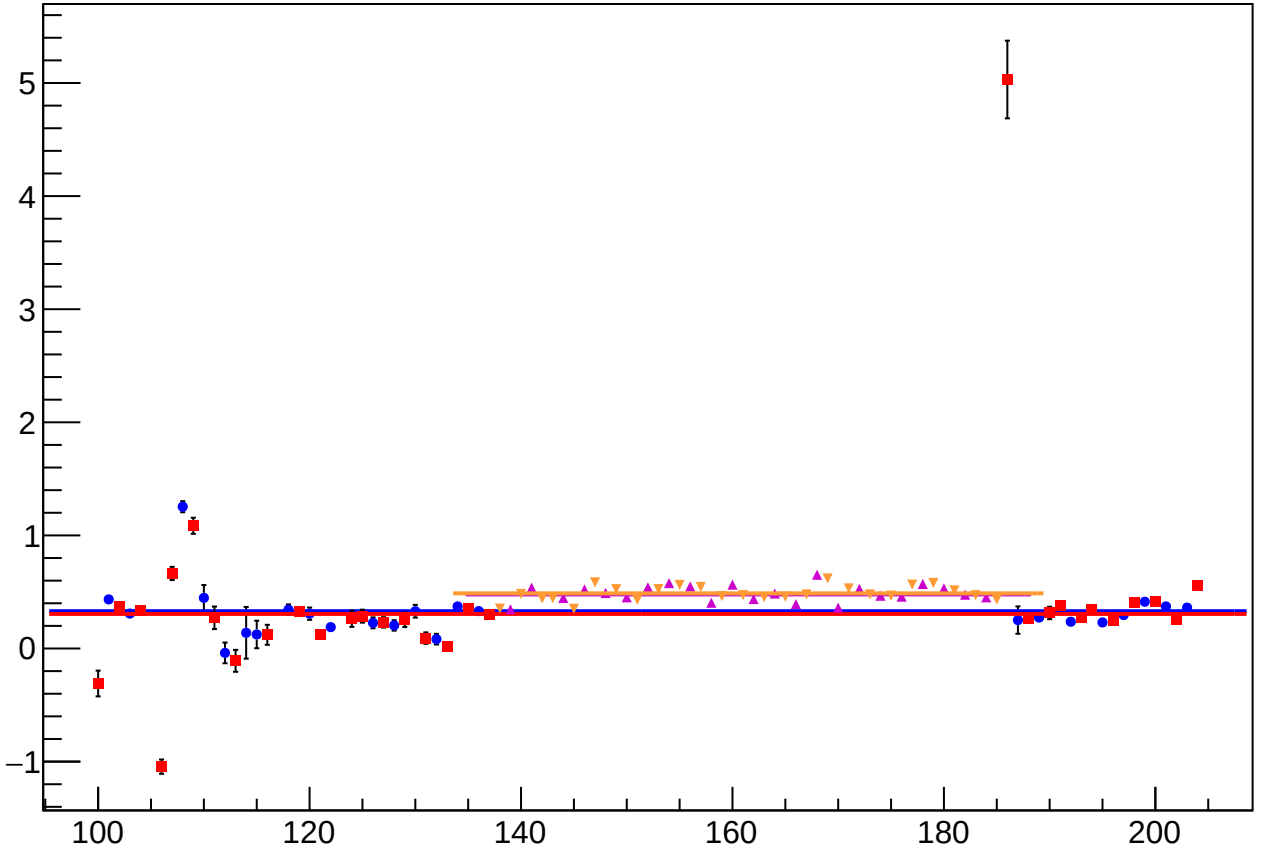
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 12.049+/-0.056 χ^2/NDF: 6121.7/48

All: 12.079+/-0.040 χ^2/NDF: 15909.4/101

\- sign 12.110+/-0.058 χ^2/NDF: 9787.1/52

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.330+/-0.006 χ^2/NDF: 506.0/23

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.306+/-0.006 χ^2/NDF: 1092.6/29

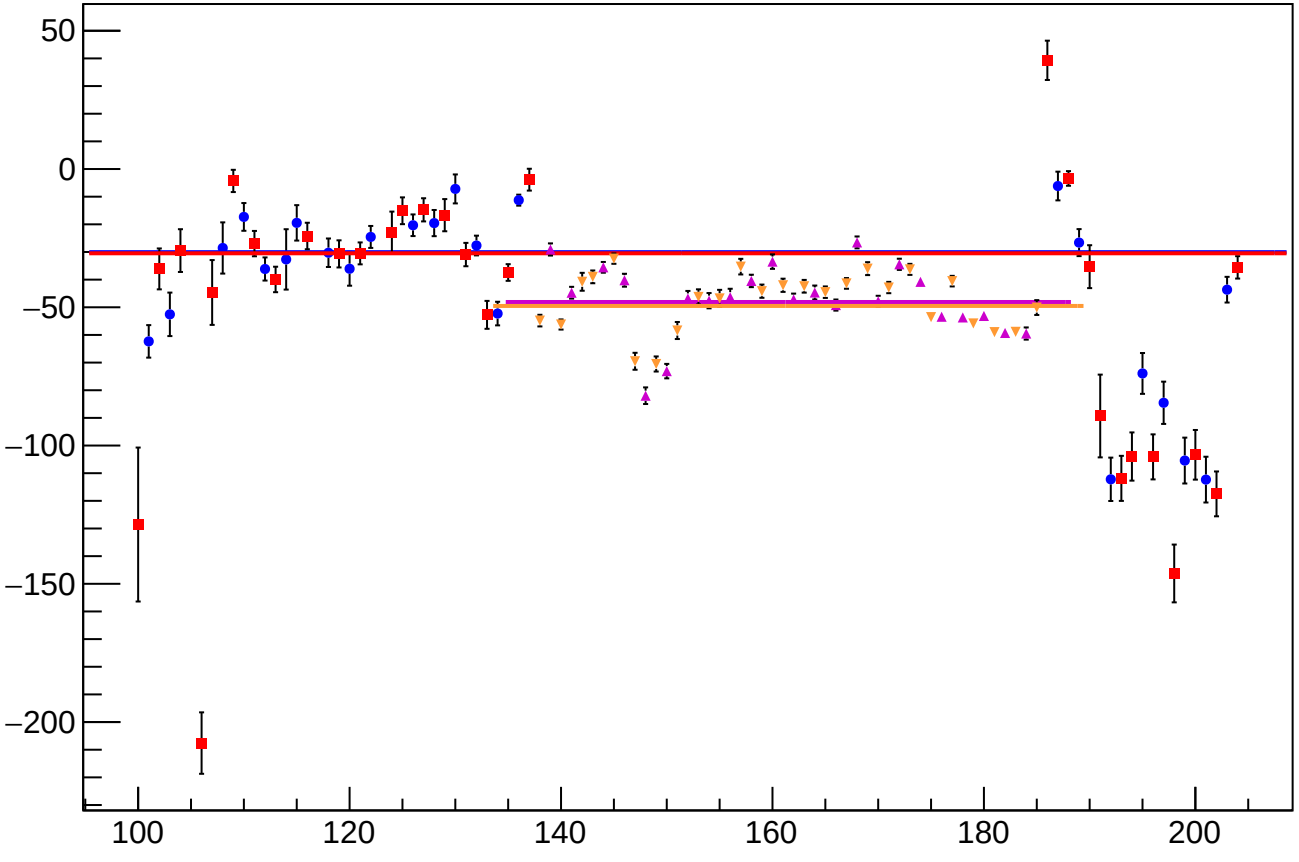
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.459+/-0.002 χ^2/NDF: 1650.4/48

All: 0.453+/-0.002 χ^2/NDF: 4281.8/101

- sign 0.446+/-0.002 χ^2/NDF: 2618.0/52

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -30.067+/-0.974 χ^2/NDF: 607.3/23

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -30.474+/-0.954 χ^2/NDF: 1193.6/29

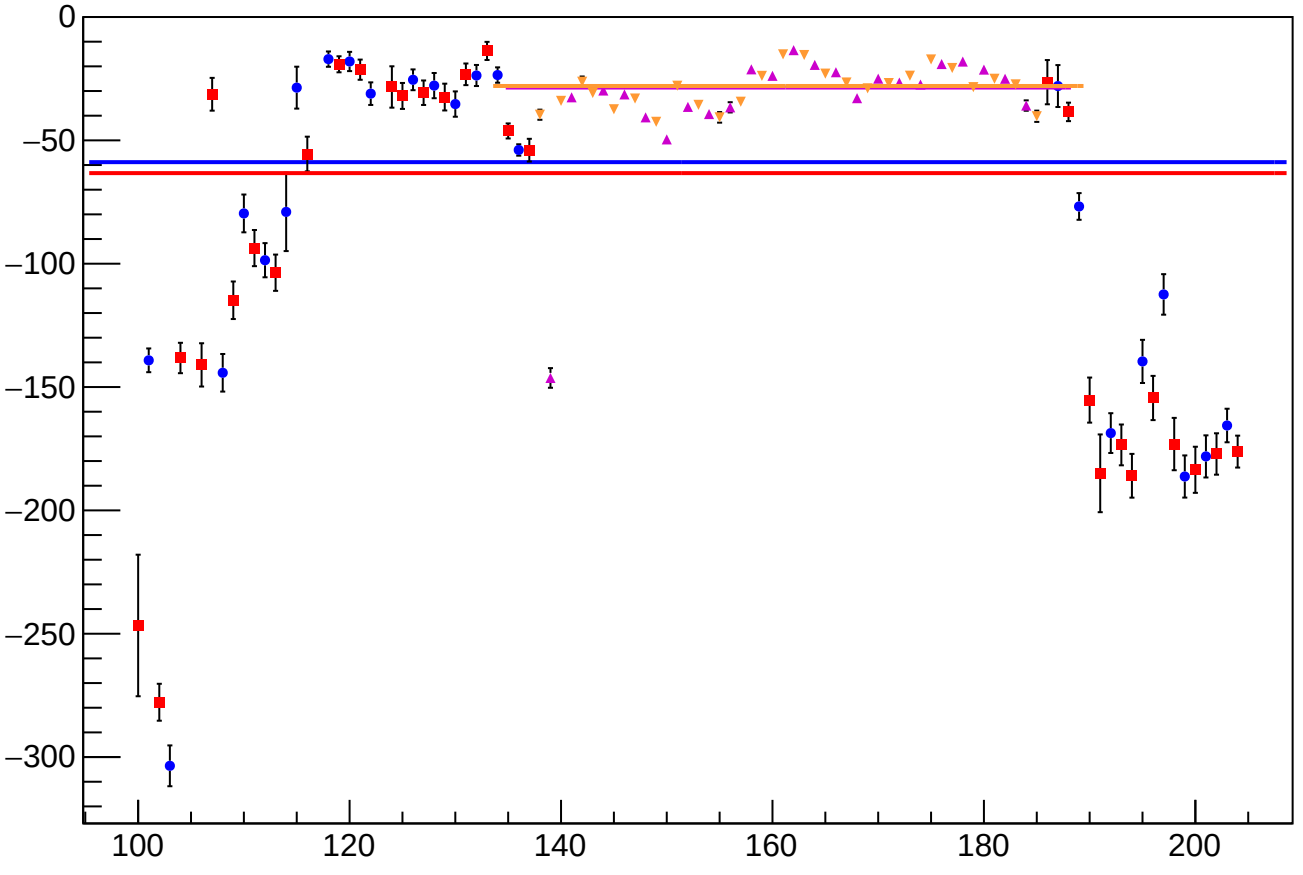
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.682+/-0.372 χ^2/NDF: 1524.1/48

All: -45.985+/-0.267 χ^2/NDF: 3716.9/101

- sign -45.245+/-0.383 χ^2/NDF: 2185.6/52

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -58.833+/-1.018 χ^2/NDF: 2982.5/23

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -63.279+/-1.046 χ^2/NDF: 3379.1/29

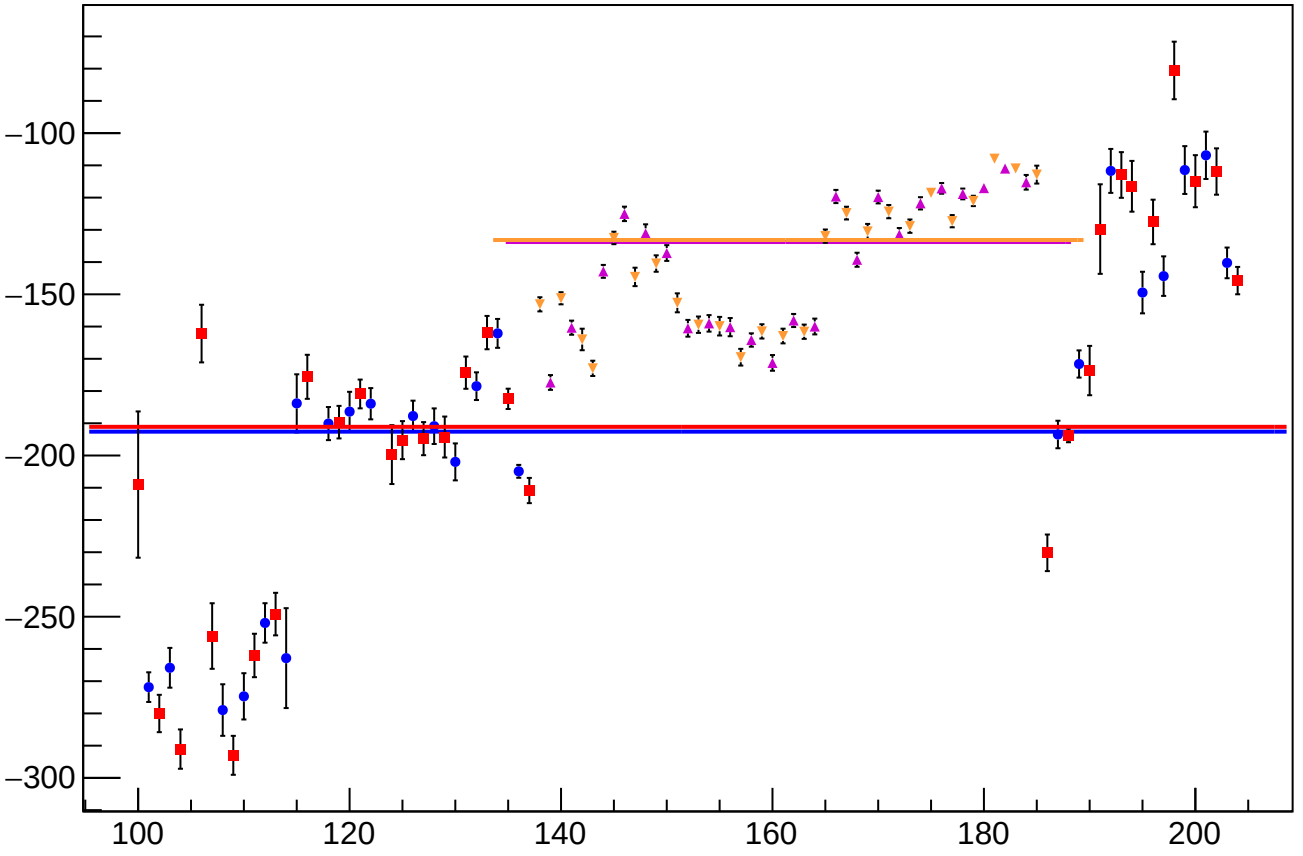
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

\+ sign -30.752+/-0.306 χ^2/NDF: 4317.3/48

All: -31.253+/-0.221 χ^2/NDF: 10179.9/101

\- sign -31.792+/-0.318 χ^2/NDF: 5857.1/52

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -192.599+/-1.008 χ^2/NDF: 1552.3/23

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -191.103+/-0.979 χ^2/NDF: 1964.9/29

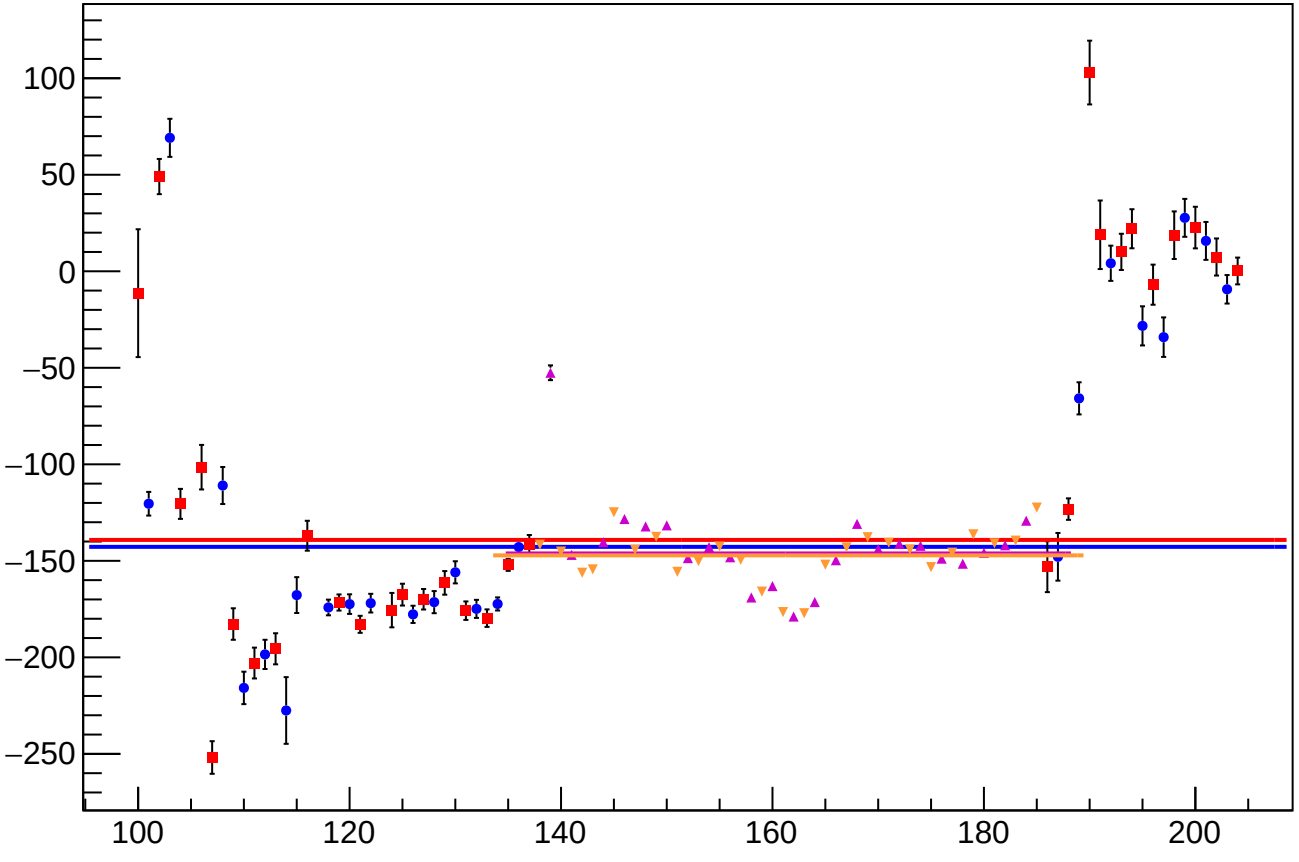
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.345+/-0.374 χ^2/NDF: 7081.8/48

All: -141.950+/-0.268 χ^2/NDF: 14397.2/101

- sign -142.586+/-0.384 χ^2/NDF: 7309.9/52

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -142.753+/-1.149 χ^2/NDF: 2465.8/23

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -139.162+/-1.202 χ^2/NDF: 3177.8/29

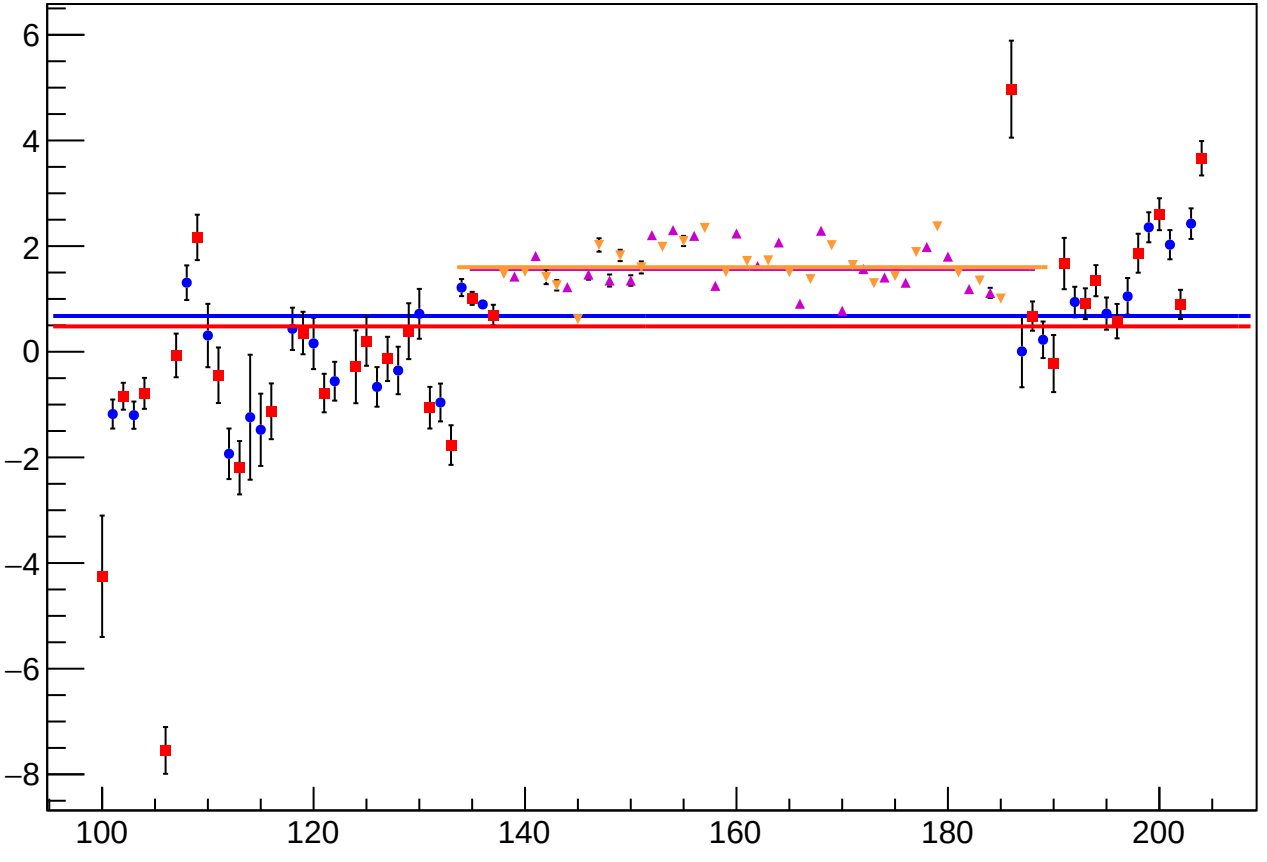
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -146.776+/-0.342 χ^2/NDF: 3724.8/48

All: -146.192+/-0.246 χ^2/NDF: 8733.5/101

- sign -145.564+/-0.354 χ^2/NDF: 5002.6/52

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.677+/-0.056 χ^2/NDF: 313.1/23

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.480+/-0.059 χ^2/NDF: 740.5/29

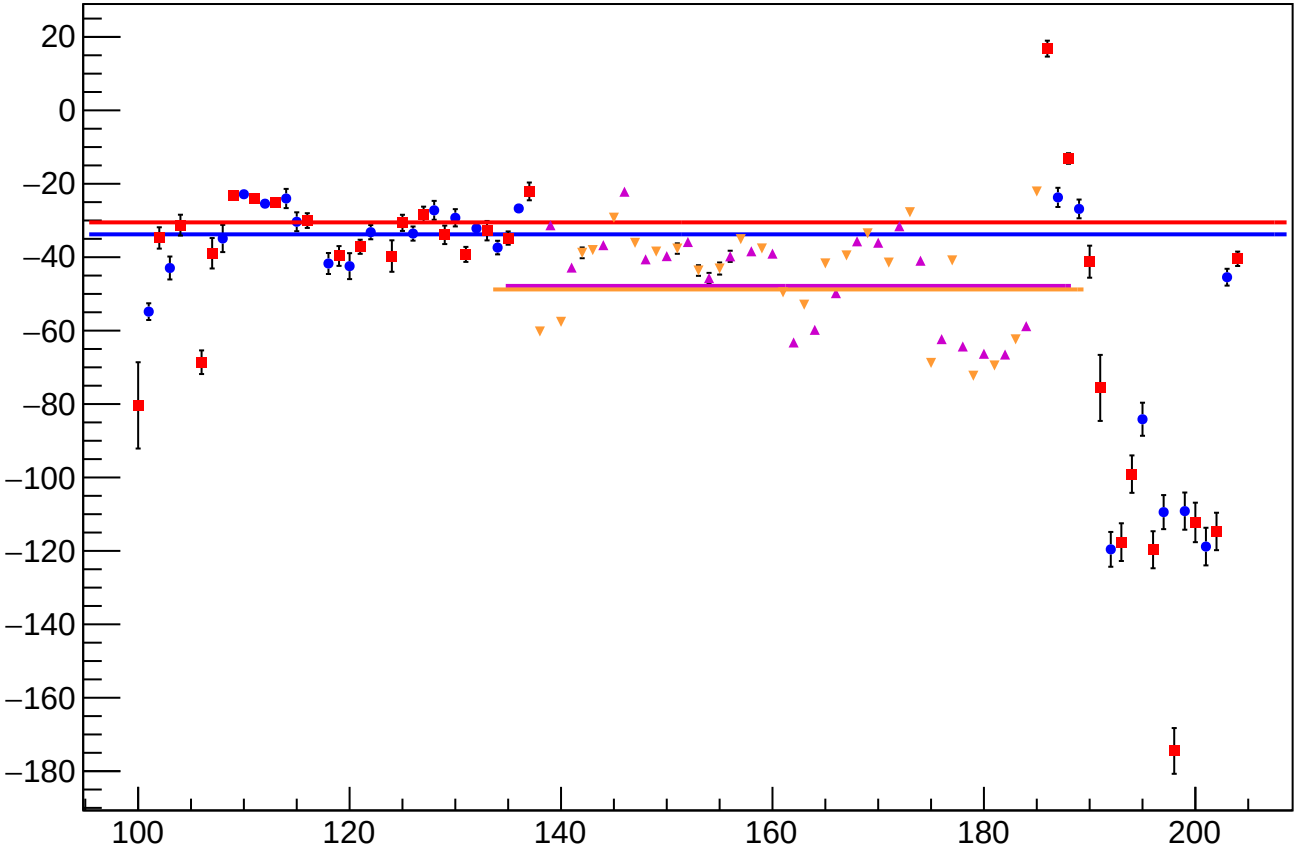
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.532+/-0.015 χ^2/NDF: 1145.3/48

All: 1.511+/-0.011 χ^2/NDF: 2939.0/101

- sign 1.490+/-0.016 χ^2/NDF: 1790.1/52

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -33.772+/-0.435 χ^2/NDF: 1570.8/23

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -30.513+/-0.403 χ^2/NDF: 2831.1/29

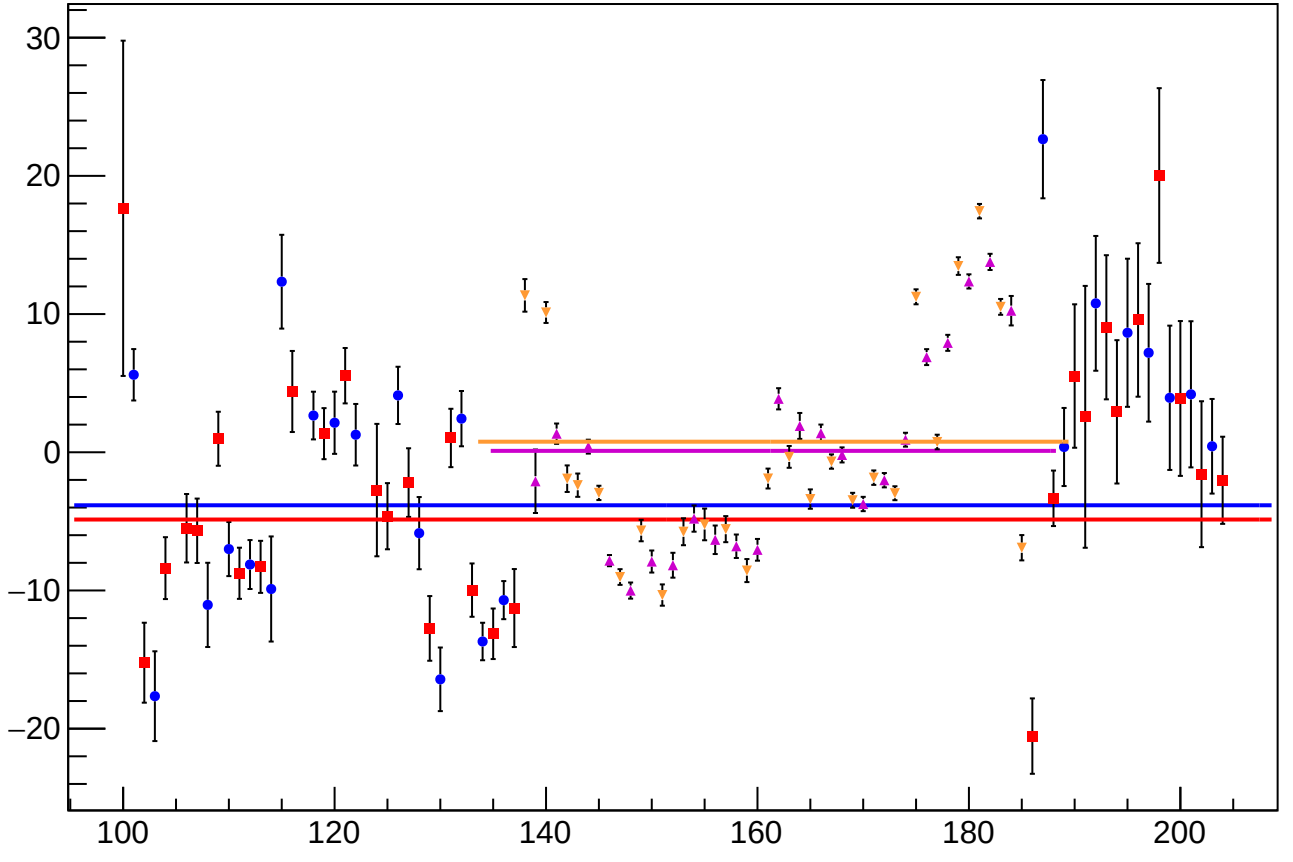
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.862+/-0.156 χ^2/NDF: 11561.4/48

All: -46.039+/-0.110 χ^2/NDF: 23239.2/101

- sign -45.206+/-0.157 χ^2/NDF: 11621.5/52

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.836+/-0.482 χ^2/NDF: 308.3/23

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -4.867+/-0.478 χ^2/NDF: 210.4/29

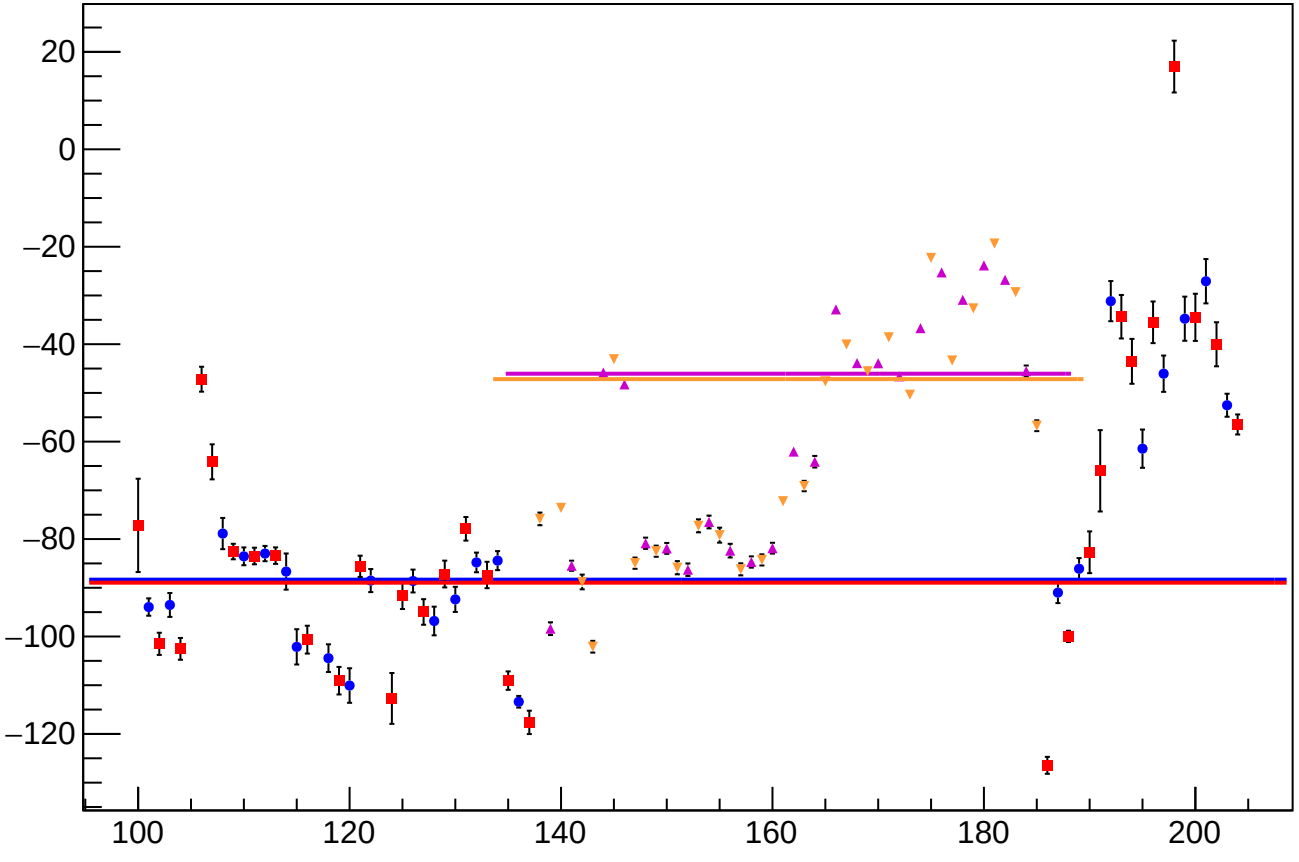
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.443+/-0.128 χ^2/NDF: 3860.3/48

All: 0.095+/-0.090 χ^2/NDF: 6907.8/101

- sign -0.255+/-0.128 χ^2/NDF: 3032.6/52

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -88.335+/-0.479 χ^2/NDF: 1504.5/23

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -88.952+/-0.445 χ^2/NDF: 2651.1/29

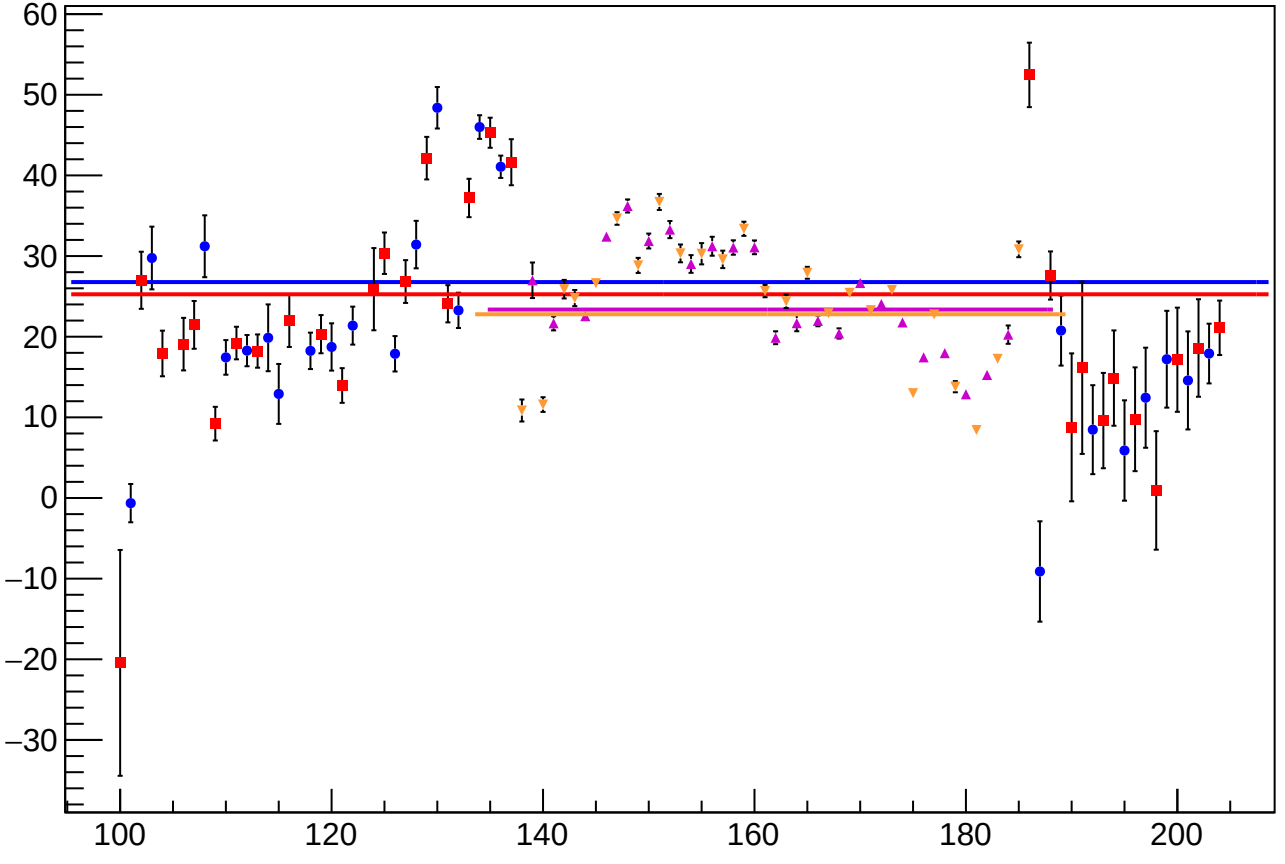
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

\+ sign -51.661+/-0.158 χ^2/NDF: 25753.1/48

All: -51.596+/-0.112 χ^2/NDF: 51281.9/101

\- sign -51.531+/-0.159 χ^2/NDF: 25528.5/52

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 26.774+/-0.544 χ^2/NDF: 663.4/23

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.259+/-0.550 χ^2/NDF: 436.8/29

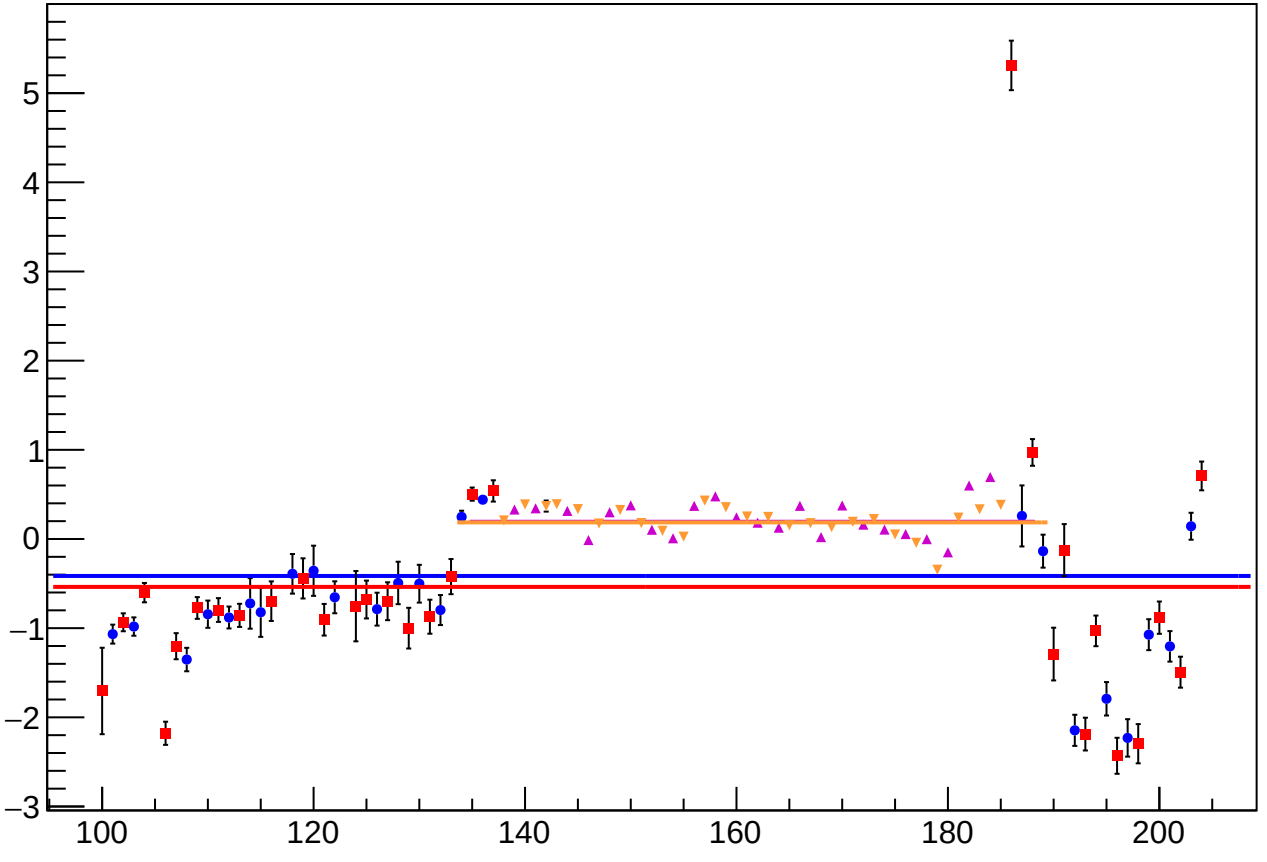
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.055+/-0.142 χ^2/NDF: 3126.5/48

All: 23.273+/-0.101 χ^2/NDF: 5364.5/101

- sign 23.495+/-0.144 χ^2/NDF: 2233.2/52

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.415+/-0.028 χ^2/NDF: 758.5/23

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.537+/-0.029 χ^2/NDF: 1398.6/29

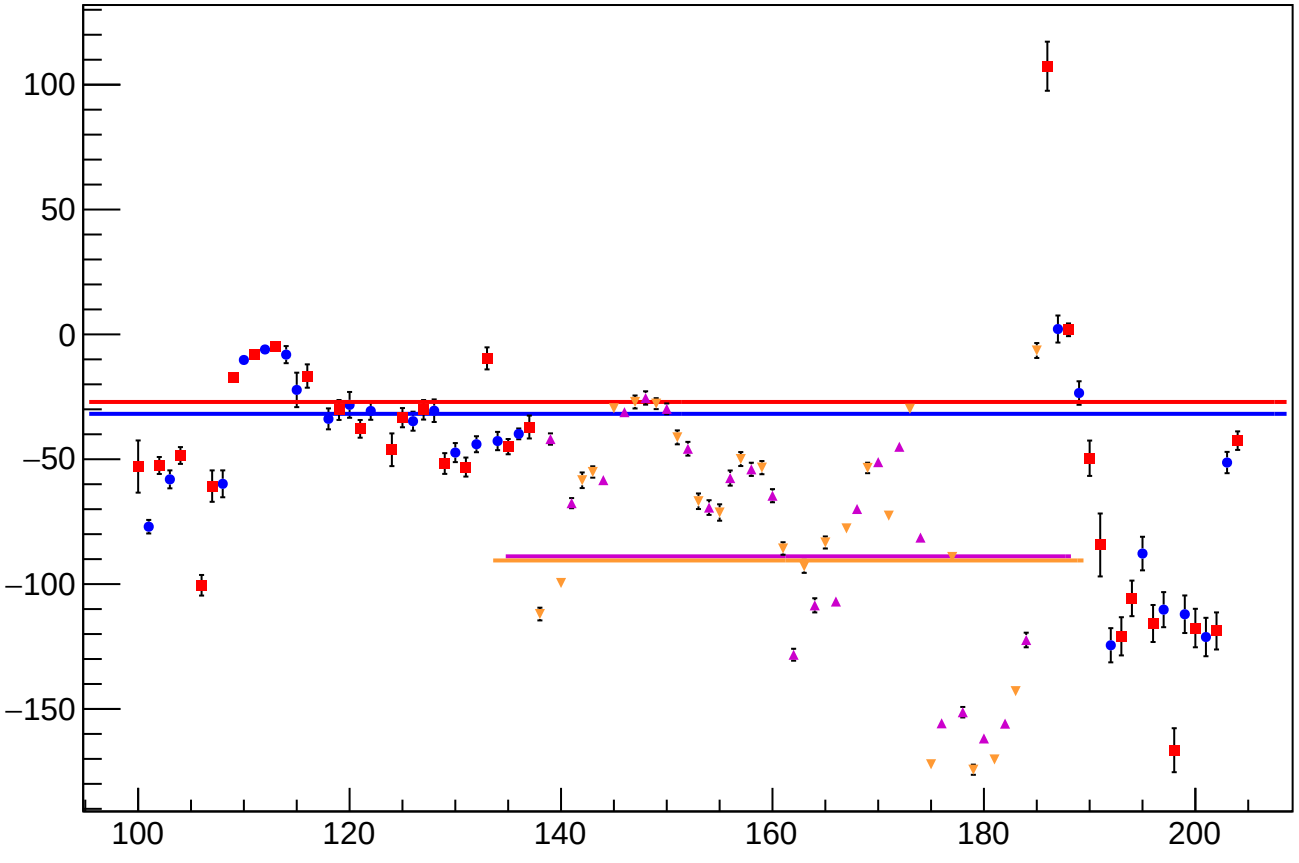
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.154+/-0.006 χ^2/NDF: 1847.9/48

All: 0.155+/-0.005 χ^2/NDF: 4801.1/101

- sign 0.156+/-0.007 χ^2/NDF: 2953.3/52

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -31.815+/-0.687 χ^2/NDF: 1611.7/23

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -27.059+/-0.615 χ^2/NDF: 2325.5/29

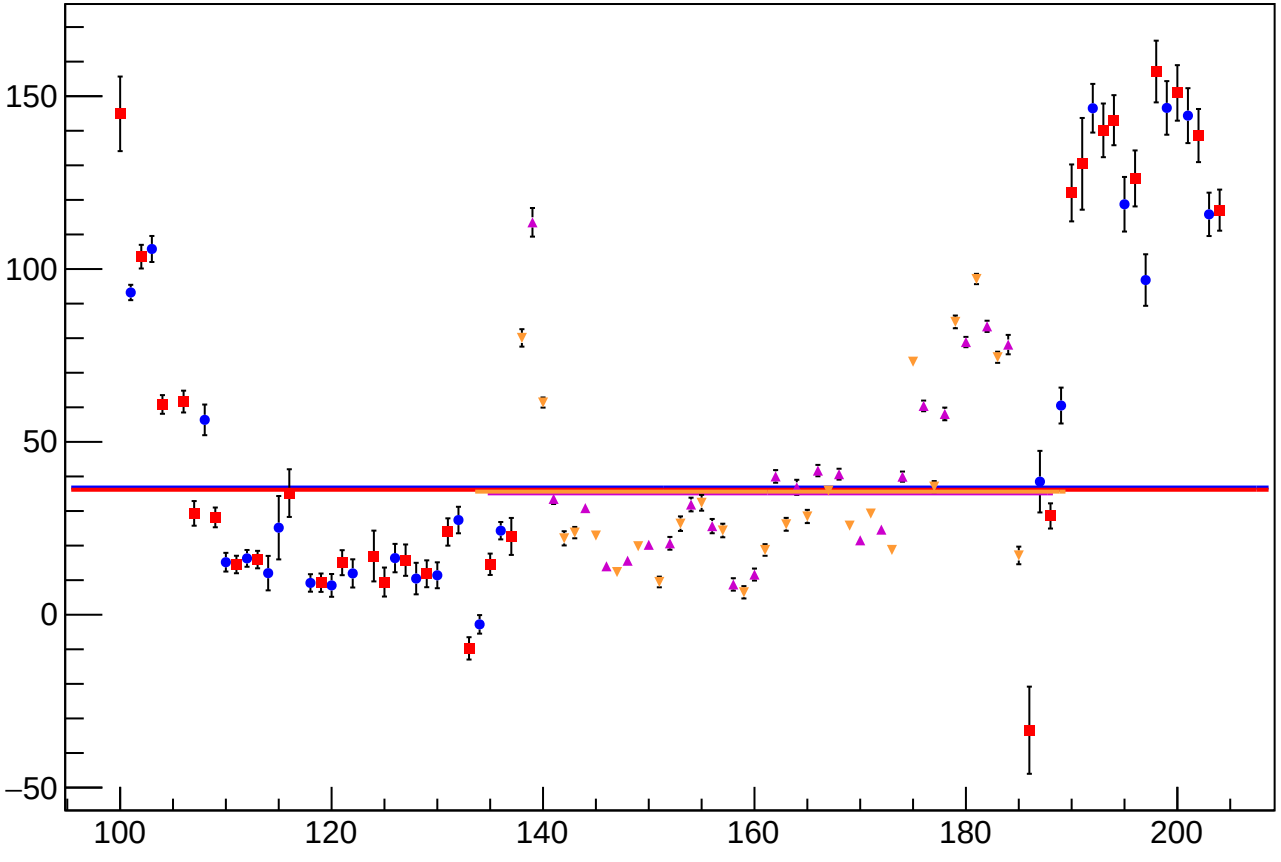
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -74.473+/-0.359 χ^2/NDF: 22284.1/48

All: -71.358+/-0.252 χ^2/NDF: 43311.8/101

- sign -68.314+/-0.355 χ^2/NDF: 20878.9/52

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 36.793+/-0.768 χ^2/NDF: 2724.2/23

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 36.154+/-0.745 χ^2/NDF: 2762.5/29

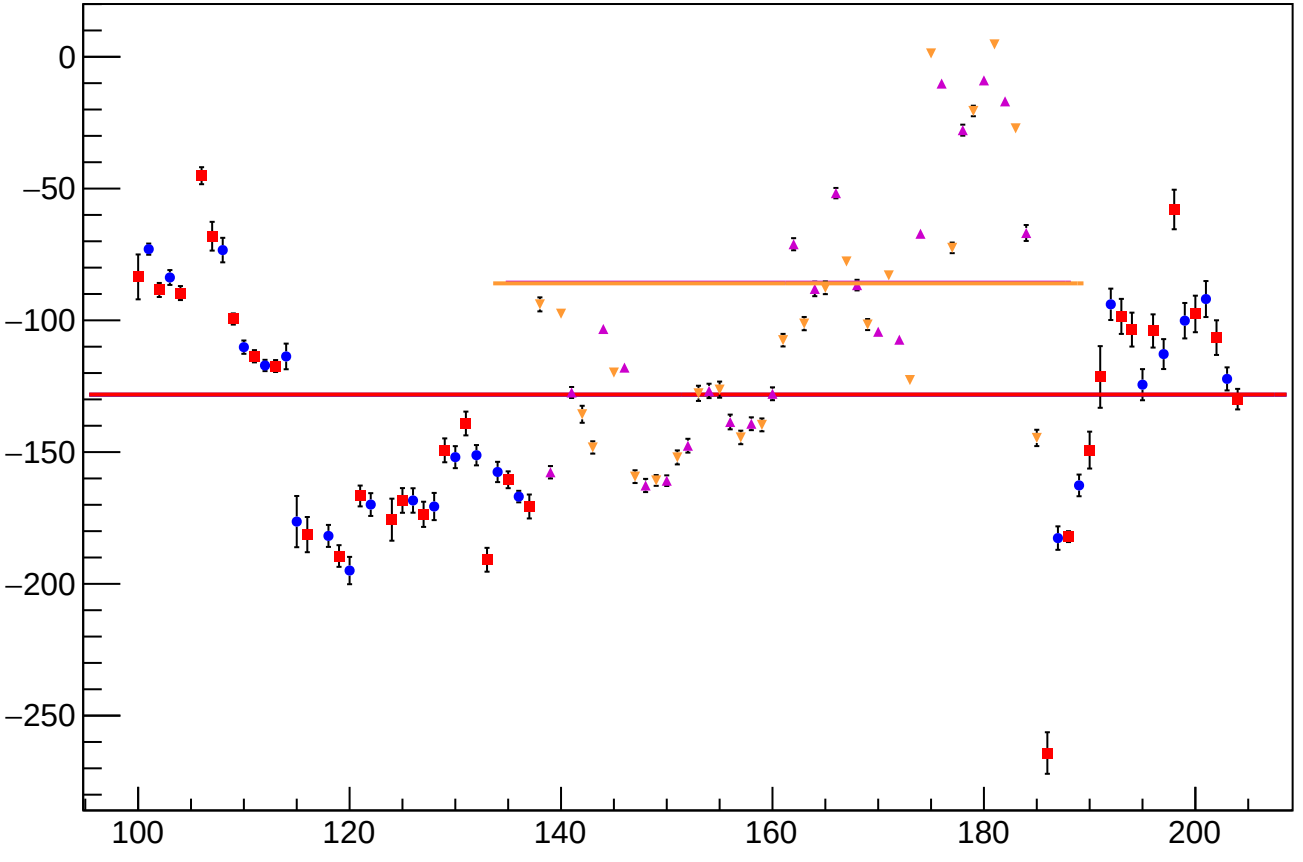
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 35.792+/-0.300 χ^2/NDF: 8699.2/48

All: 35.546+/-0.214 χ^2/NDF: 15609.1/101

- sign 35.288+/-0.307 χ^2/NDF: 6908.5/52

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -128.228+/-0.757 χ^2/NDF: 2487.5/23

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -128.154+/-0.698 χ^2/NDF: 3633.7/29

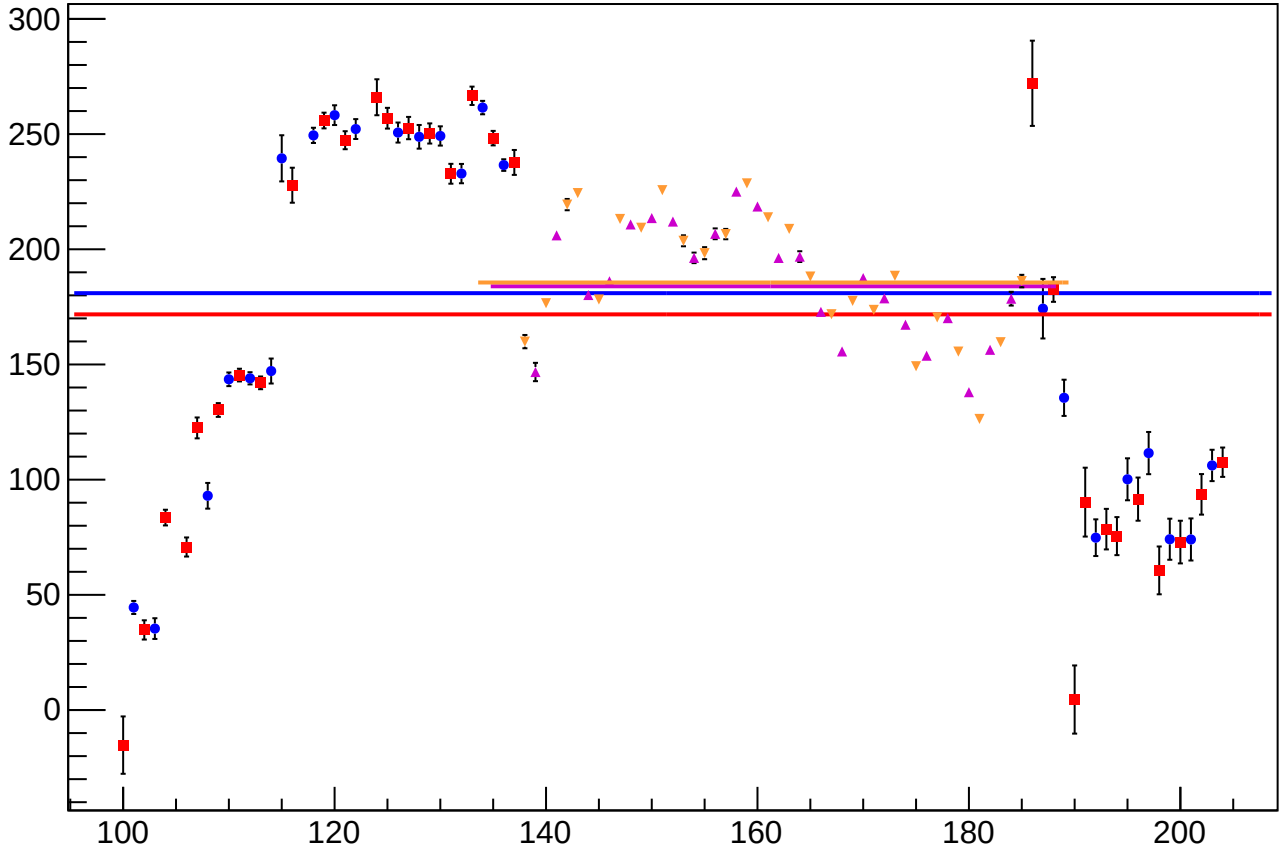
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -95.954+/-0.368 χ^2/NDF: 21102.8/48

All: -96.712+/-0.260 χ^2/NDF: 41173.7/101

- sign -97.469+/-0.368 χ^2/NDF: 20062.4/52

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 180.951+/-0.879 χ^2/NDF: 7928.1/23

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 171.746+/-0.858 χ^2/NDF: 7653.2/29

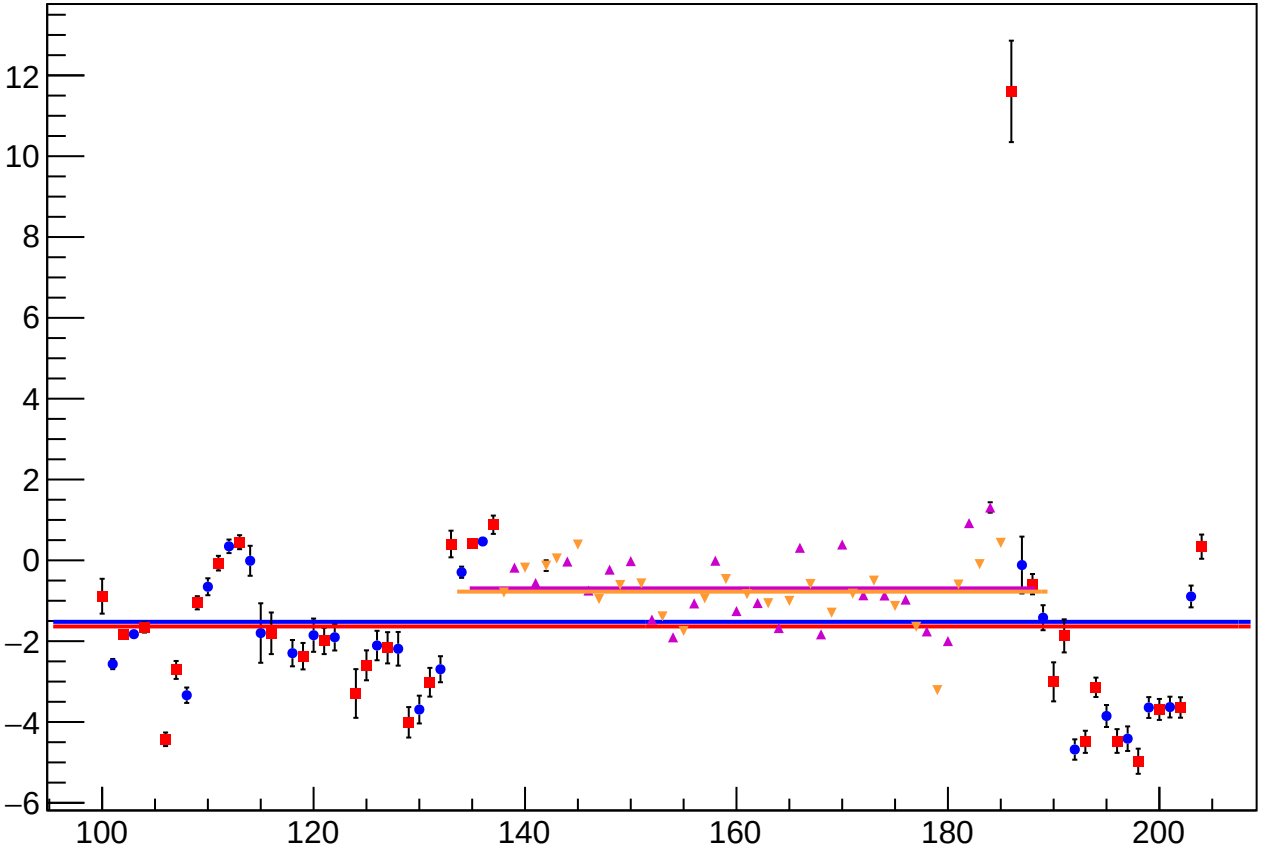
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 184.896+/-0.338 χ^2/NDF: 13306.4/48

All: 183.460+/-0.242 χ^2/NDF: 25039.0/101

- sign 181.962+/-0.346 χ^2/NDF: 11695.8/52

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.521+/-0.043 χ^2/NDF: 1314.5/23

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.636+/-0.042 χ^2/NDF: 1713.4/29

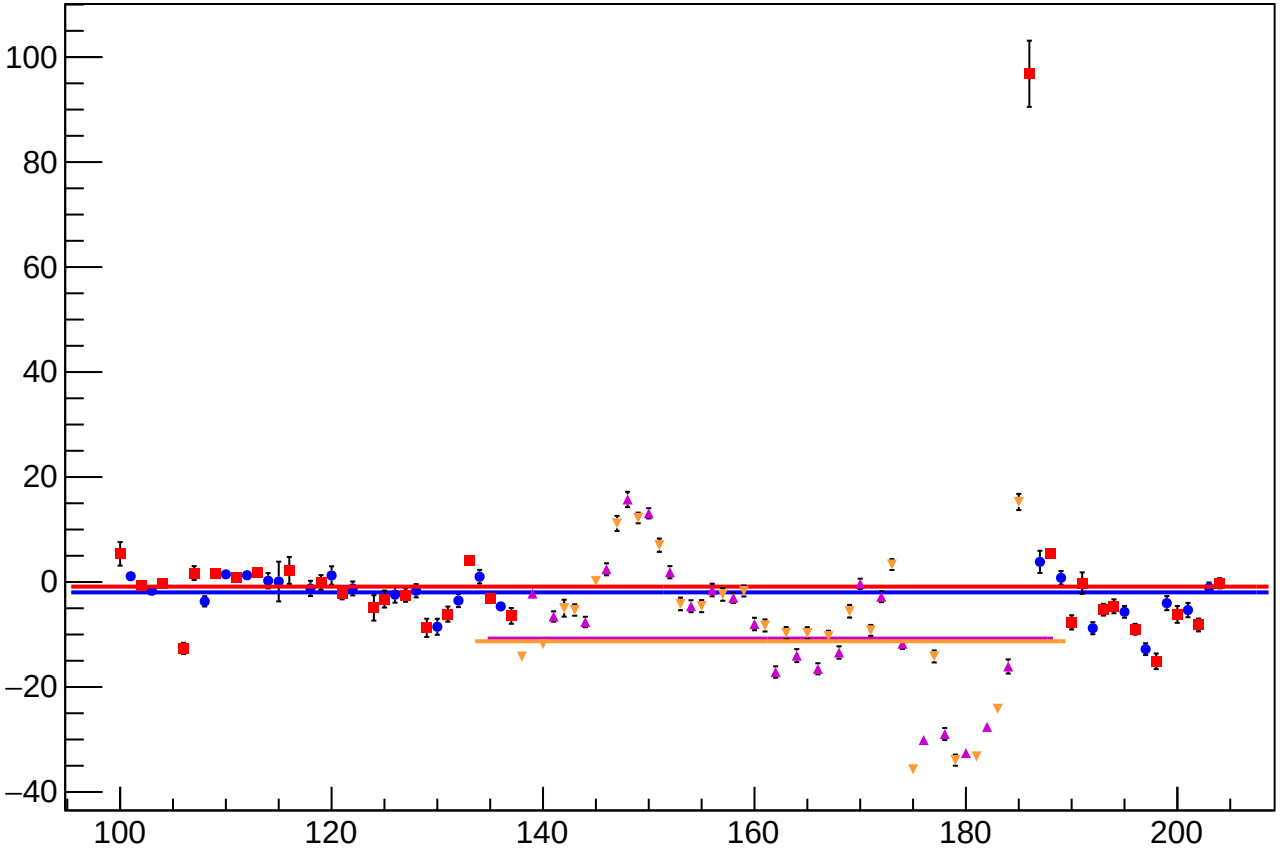
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.868+/-0.015 χ^2/NDF: 3396.5/48

All: -0.846+/-0.011 χ^2/NDF: 8112.2/101

- sign -0.823+/-0.016 χ^2/NDF: 4711.6/52

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.974+/-0.219 χ^2/NDF: 279.4/23

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.878+/-0.188 χ^2/NDF: 881.8/29

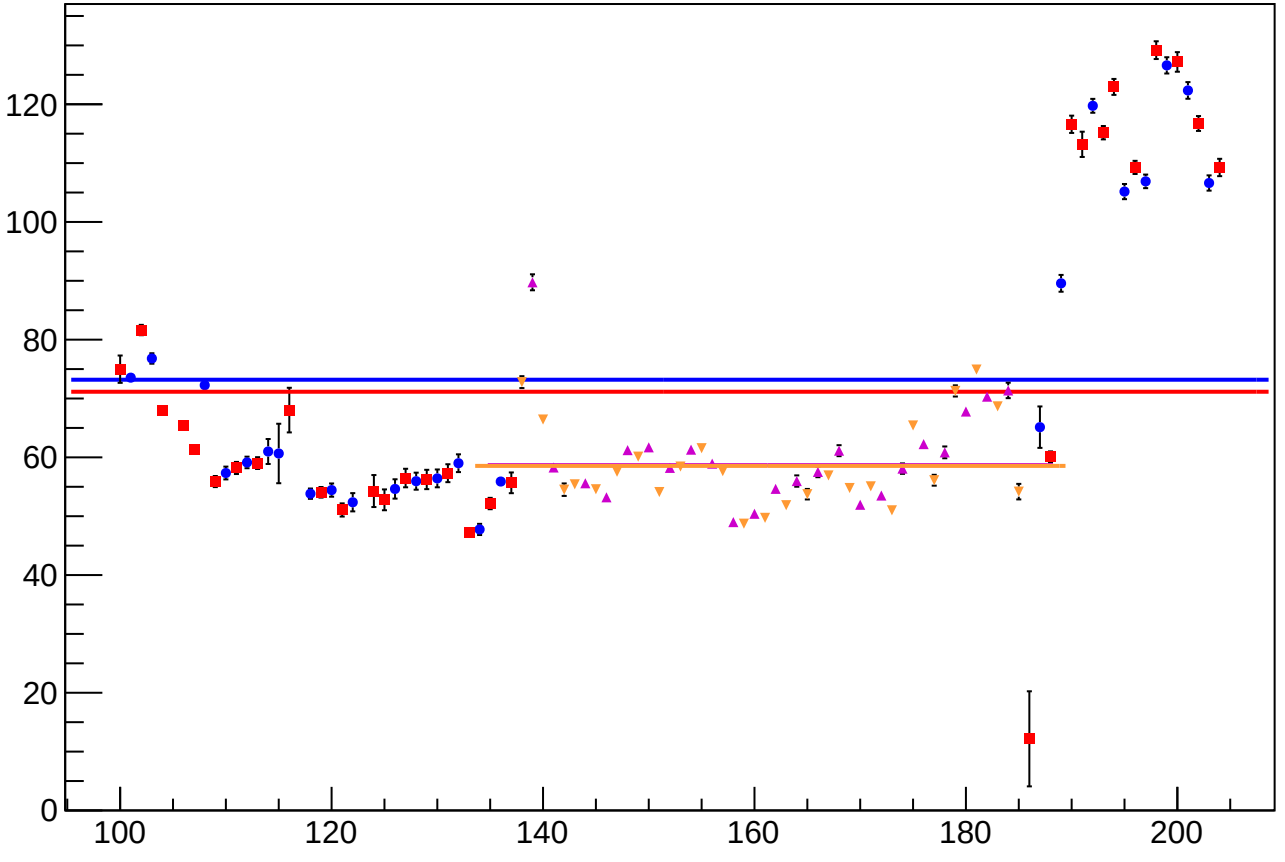
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

\+ sign -6.864+/-0.151 χ^2/NDF: 5731.0/48

All: -5.979+/-0.103 χ^2/NDF: 11587.9/101

\- sign -5.204+/-0.141 χ^2/NDF: 5792.4/52

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 73.192+/-0.233 χ^2/NDF: 9570.5/23

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 71.150+/-0.210 χ^2/NDF: 14055.1/29

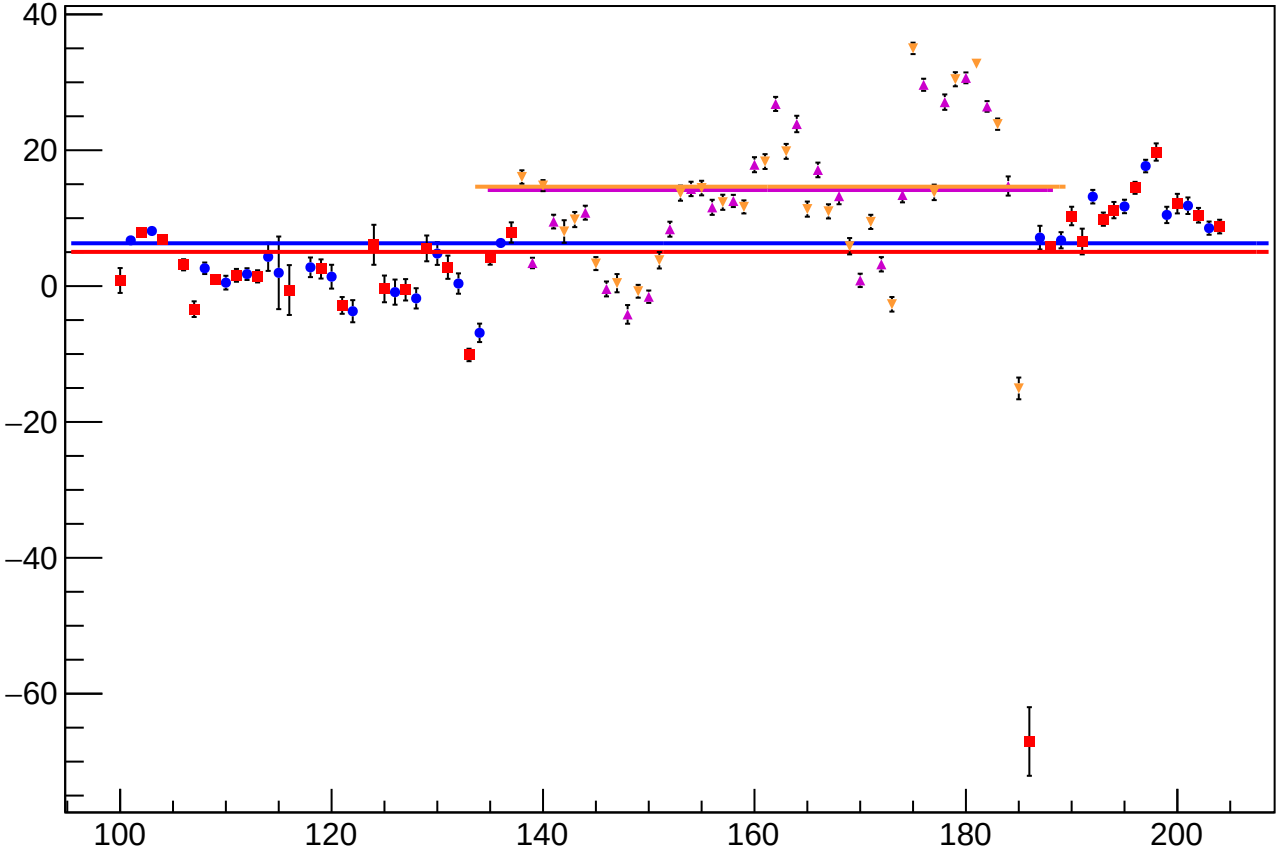
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 63.295+/-0.133 χ^2/NDF: 14147.6/48

All: 63.428+/-0.093 χ^2/NDF: 31964.9/101

- sign 63.559+/-0.131 χ^2/NDF: 17815.2/52

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.304+/-0.219 χ^2/NDF: 561.7/23

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.036+/-0.191 χ^2/NDF: 1082.4/29

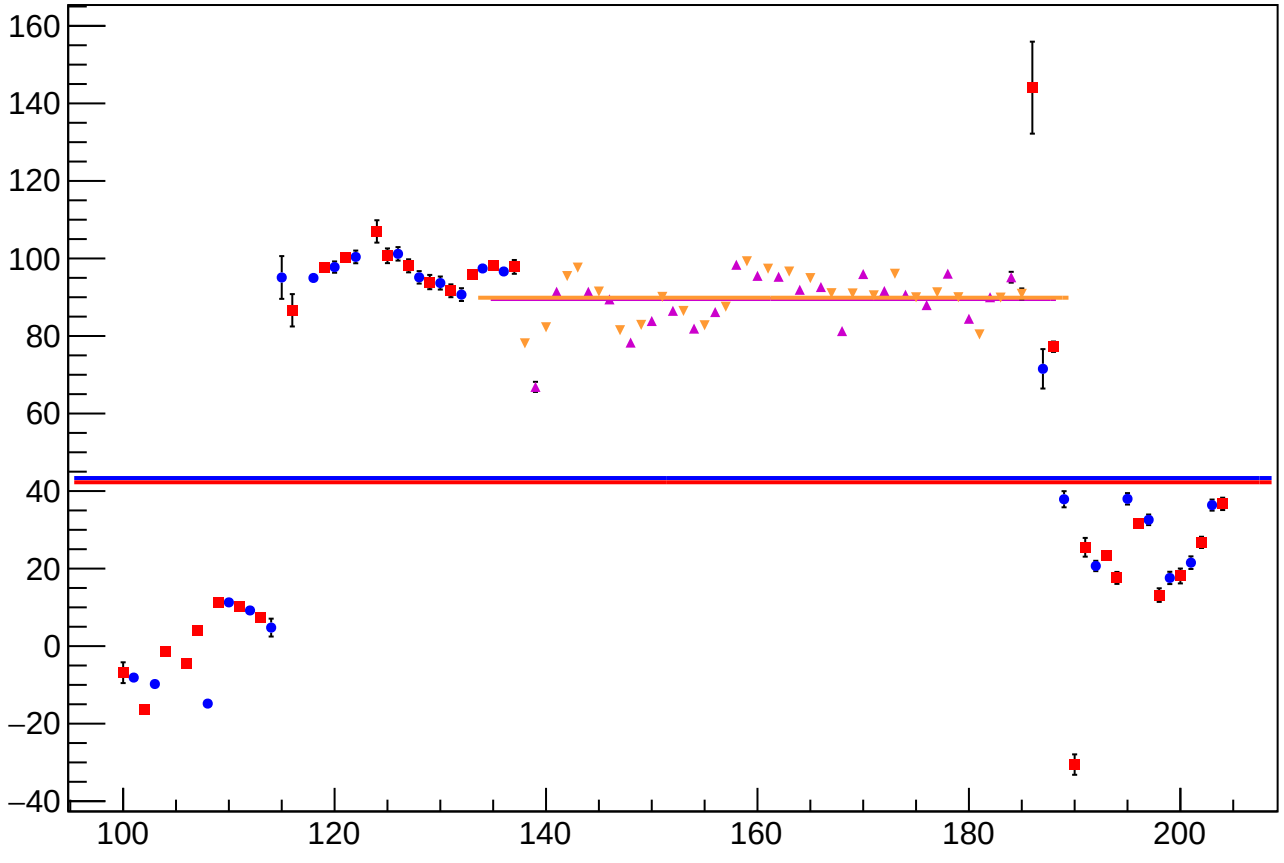
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.710+/-0.150 χ^2/NDF: 4289.0/48

All: 9.881+/-0.103 χ^2/NDF: 8991.0/101

- sign 9.144+/-0.142 χ^2/NDF: 4644.6/52

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.363+/-0.271 χ^2/NDF: 27930.9/23

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.266+/-0.247 χ^2/NDF: 31737.0/29

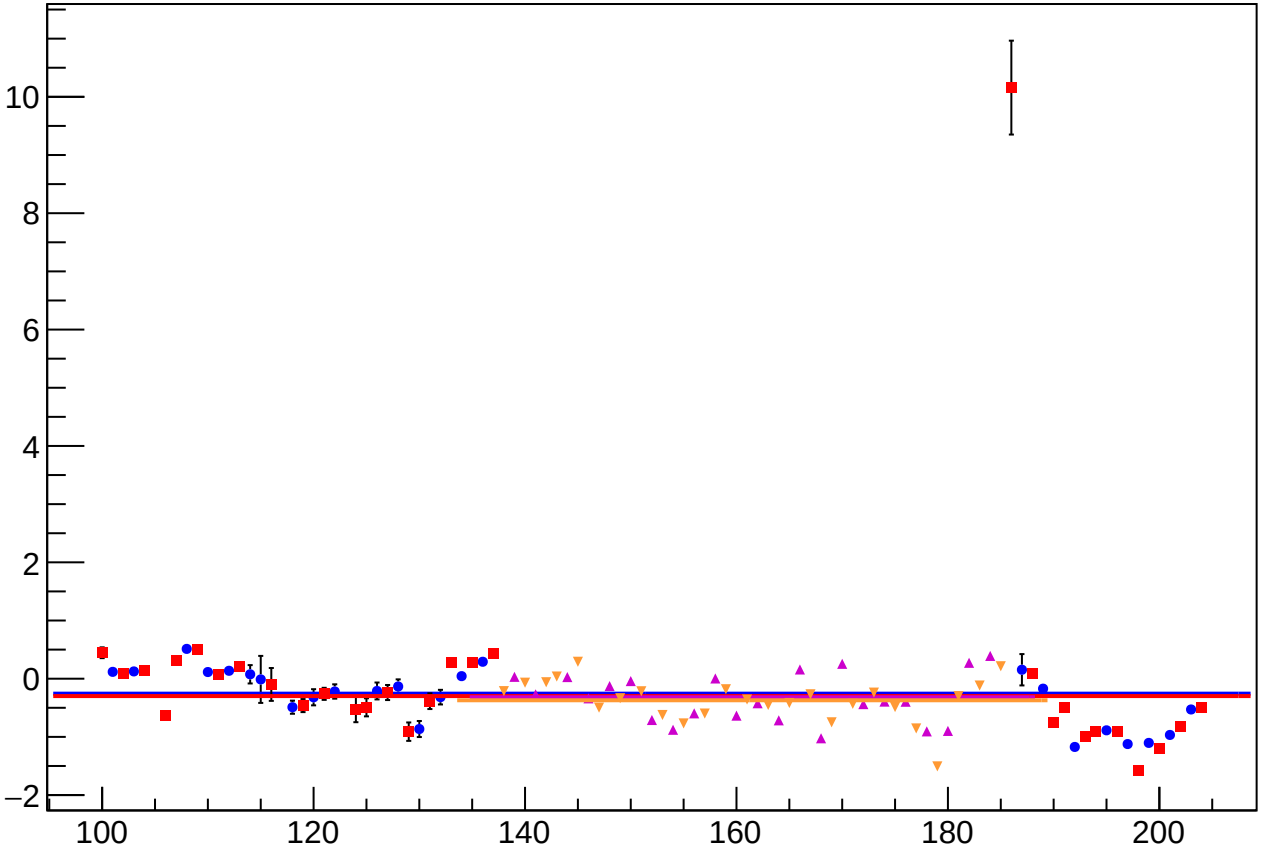
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 75.519+/-0.151 χ^2/NDF: 49372.0/48

All: 73.896+/-0.106 χ^2/NDF: 105618.2/101

- sign 72.295+/-0.149 χ^2/NDF: 56015.2/52

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.257+/-0.011 χ^2/NDF: 2885.8/23

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.299+/-0.010 χ^2/NDF: 3456.9/29

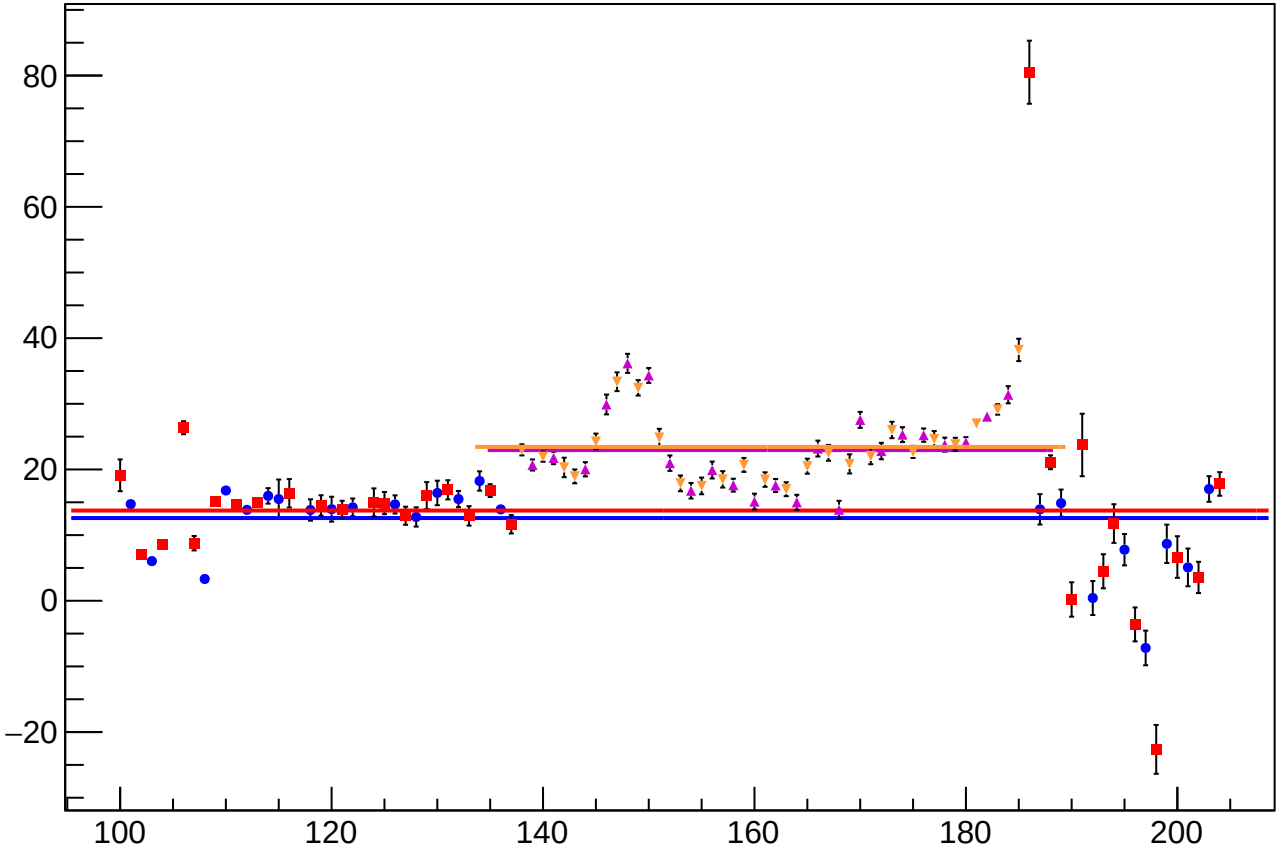
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.331+/-0.006 χ^2/NDF: 4724.5/48

All: -0.321+/-0.005 χ^2/NDF: 10629.8/101

- sign -0.311+/-0.006 χ^2/NDF: 5900.5/52

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.601+/-0.208 χ^2/NDF: 486.8/23

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.744+/-0.195 χ^2/NDF: 858.5/29

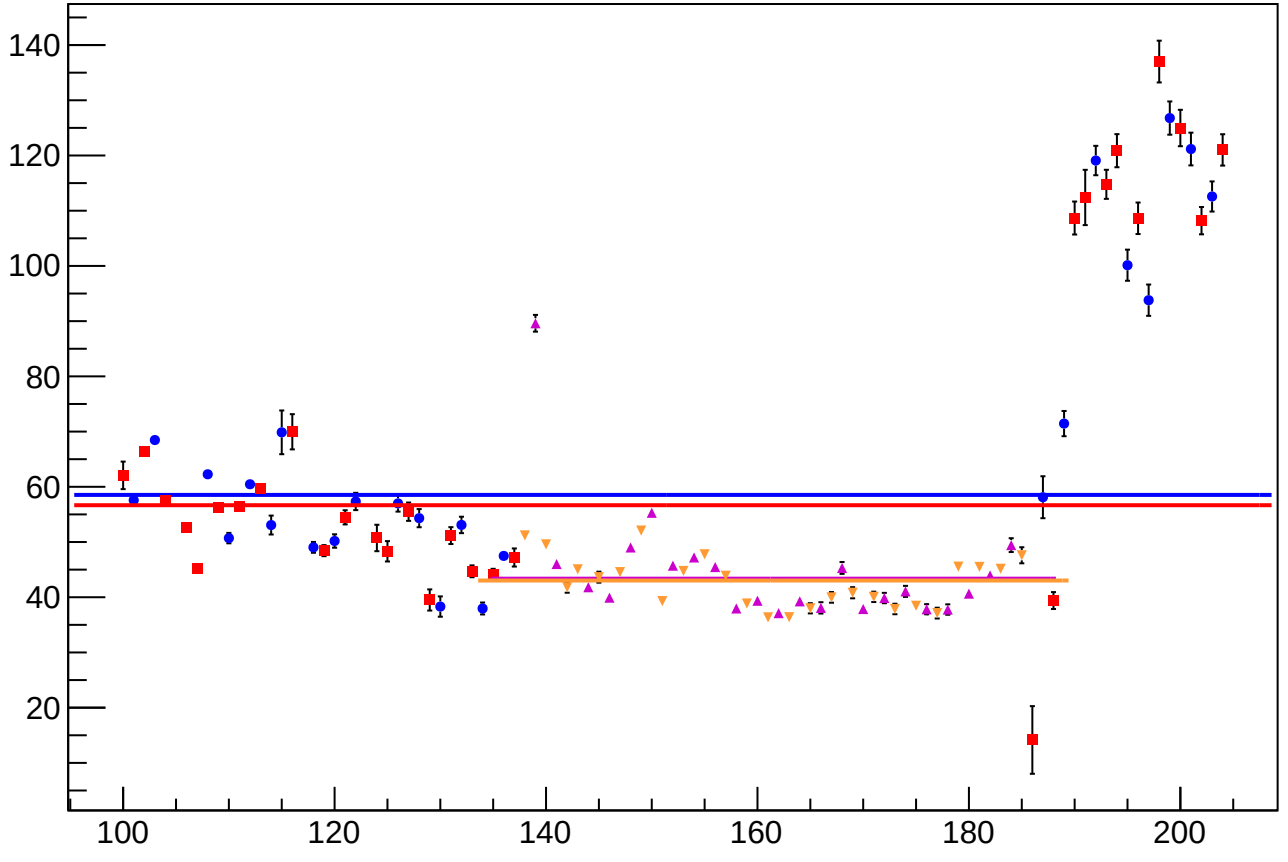
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.804+/-0.150 χ^2/NDF: 2222.6/48

All: 17.748+/-0.105 χ^2/NDF: 4599.2/101

- sign 17.693+/-0.148 χ^2/NDF: 2376.3/52

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 58.532+/-0.217 χ^2/NDF: 3452.3/23

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 56.667+/-0.217 χ^2/NDF: 4840.8/29

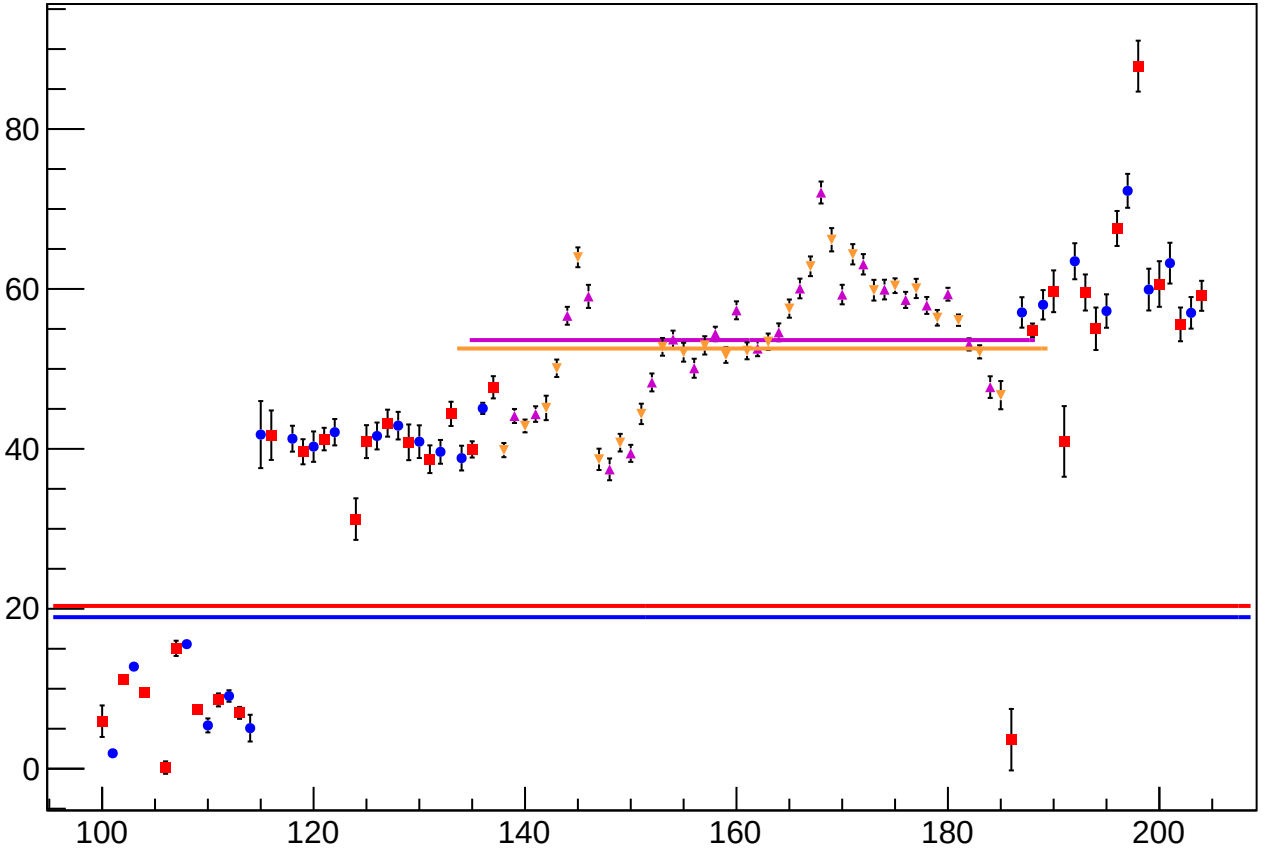
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 48.825+/-0.132 χ^2/NDF: 7443.4/48

All: 48.757+/-0.095 χ^2/NDF: 16227.1/101

- sign 48.684+/-0.137 χ^2/NDF: 8783.2/52

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 18.952+/-0.206 χ^2/NDF: 8556.7/23

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 20.356+/-0.205 χ^2/NDF: 8596.8/29

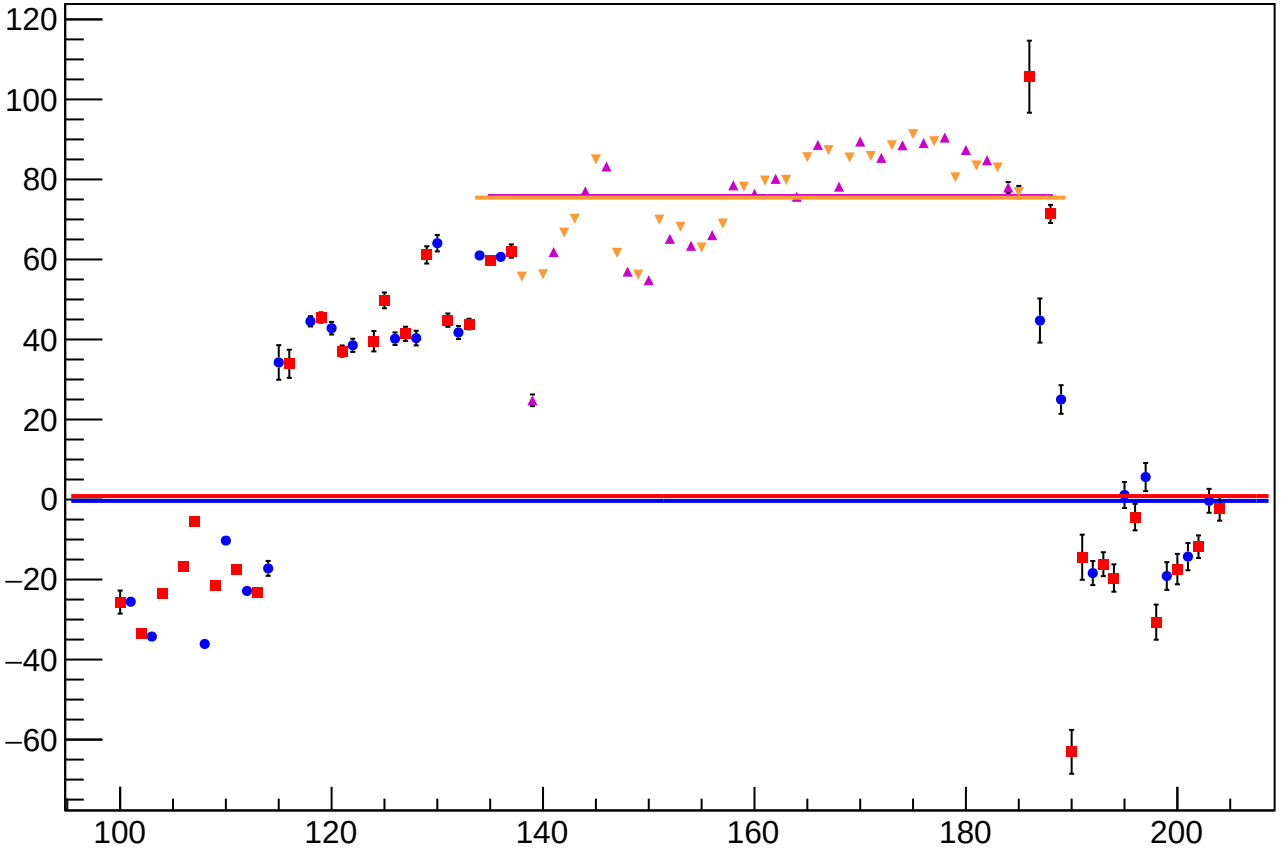
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 35.048+/-0.149 χ^2/NDF: 22513.8/48

All: 35.326+/-0.106 χ^2/NDF: 44174.1/101

- sign 35.613+/-0.151 χ^2/NDF: 21653.3/52

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.342+/-0.256 χ^2/NDF: 21233.1/23

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.869+/-0.256 χ^2/NDF: 17438.4/29

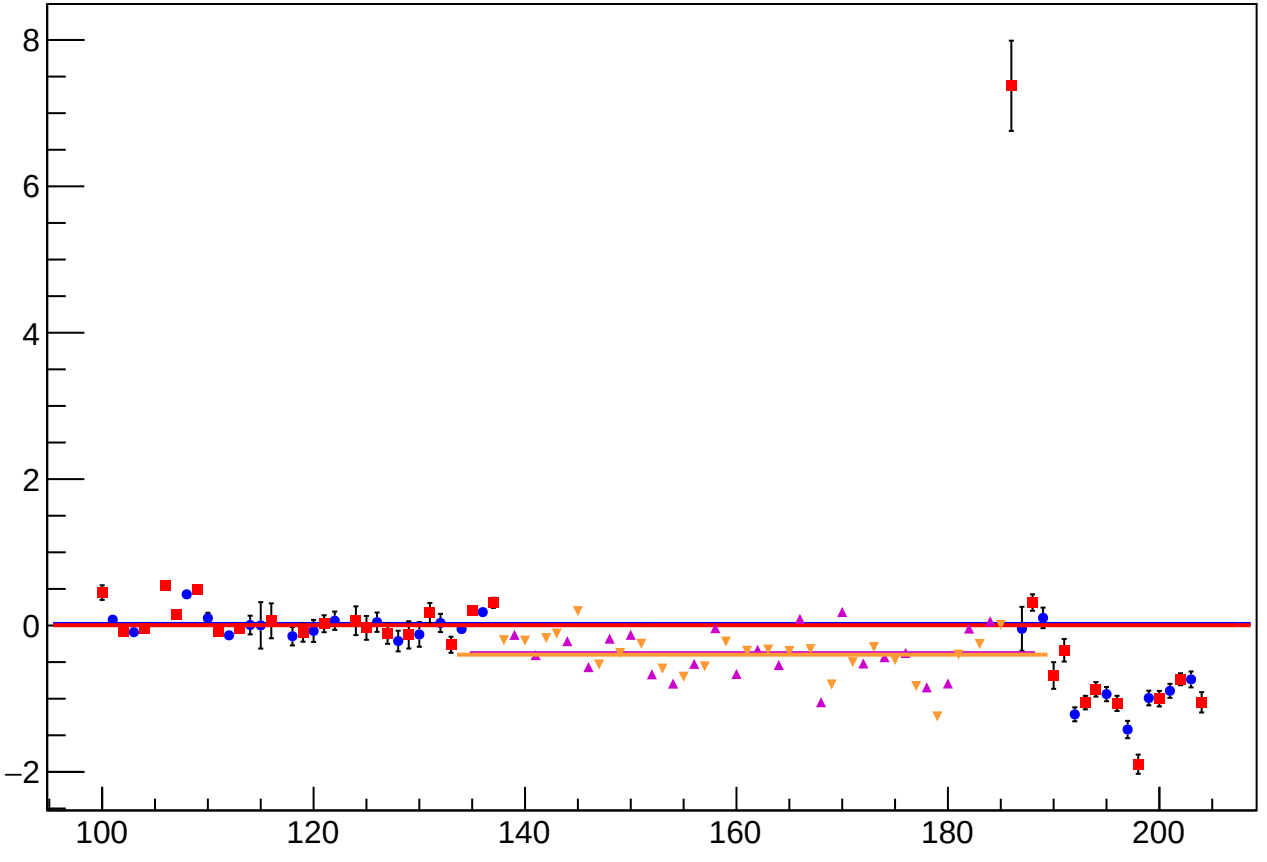
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 48.770+/-0.152 χ^2/NDF: 81701.4/48

All: 48.329+/-0.109 χ^2/NDF: 157342.3/101

- sign 47.861+/-0.156 χ^2/NDF: 75623.5/52

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.011 χ^2/NDF: 999.8/23

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.004+/-0.011 χ^2/NDF: 1378.3/29

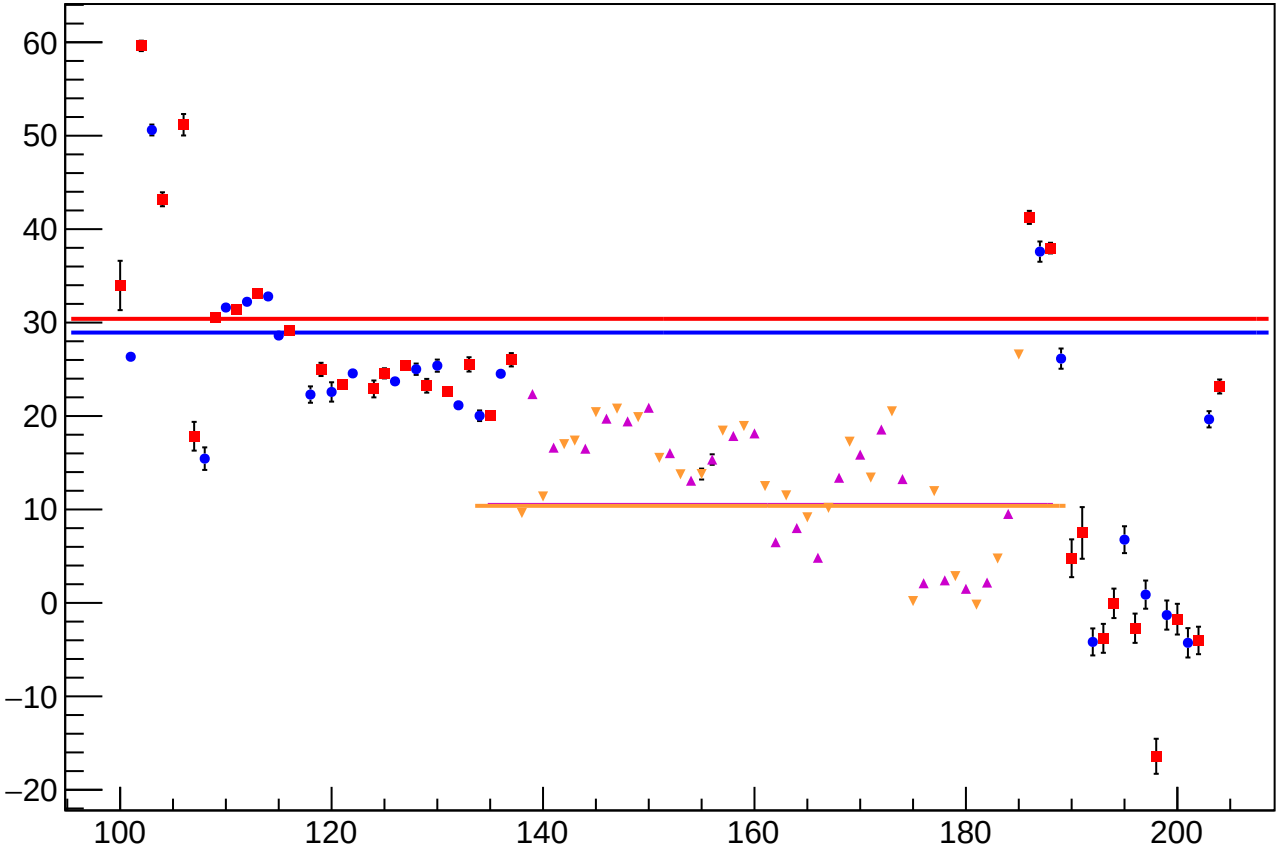
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

\+ sign -0.240+/-0.007 χ^2/NDF: 2971.6/48

All: -0.235+/-0.005 χ^2/NDF: 6463.9/101

\- sign -0.230+/-0.007 χ^2/NDF: 3491.3/52

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 28.932+/-0.090 χ^2/NDF: 5531.6/23

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.401+/-0.078 χ^2/NDF: 8701.4/29

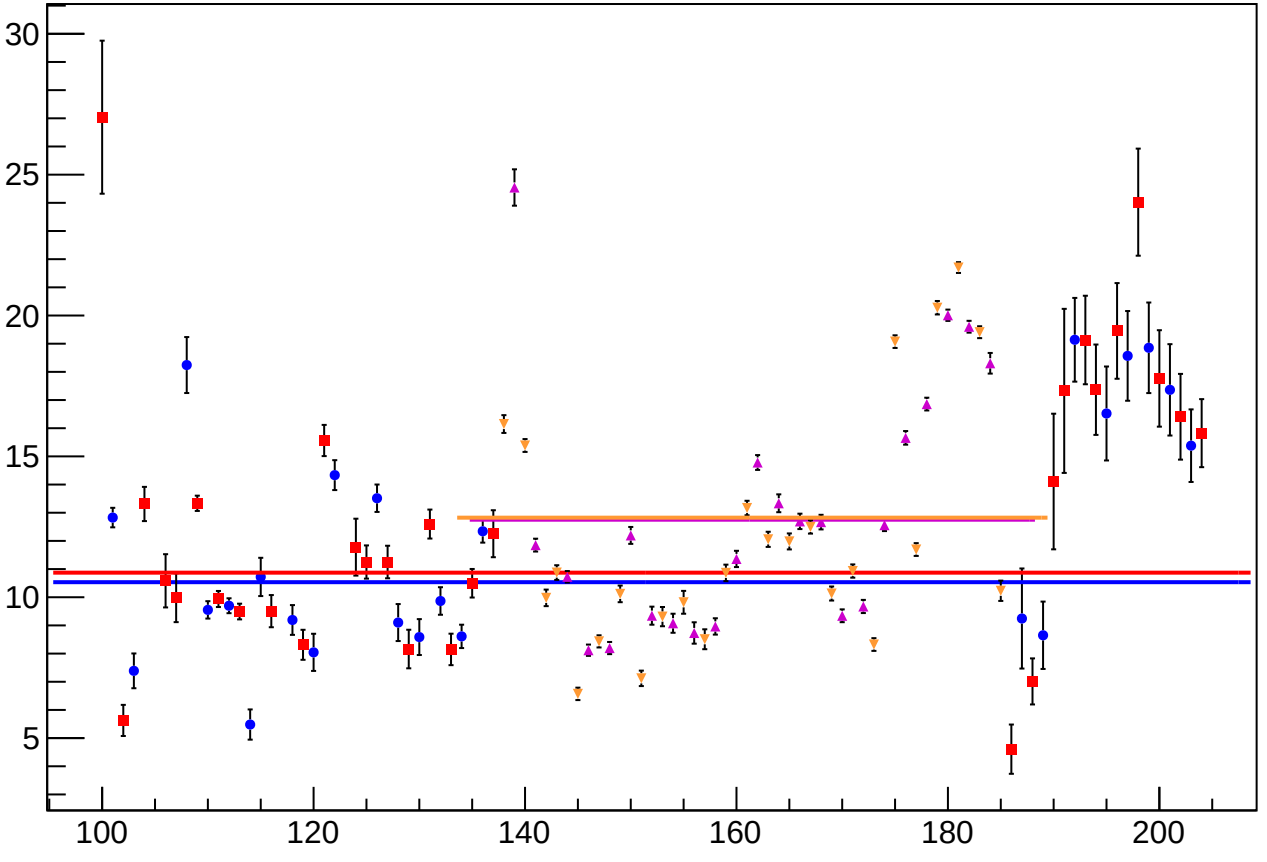
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.635+/-0.052 χ^2/NDF: 47485.7/48

All: 17.821+/-0.036 χ^2/NDF: 106414.9/101

- sign 18.938+/-0.051 χ^2/NDF: 57927.4/52

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.535+/-0.111 χ^2/NDF: 539.6/23

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.873+/-0.109 χ^2/NDF: 660.7/29

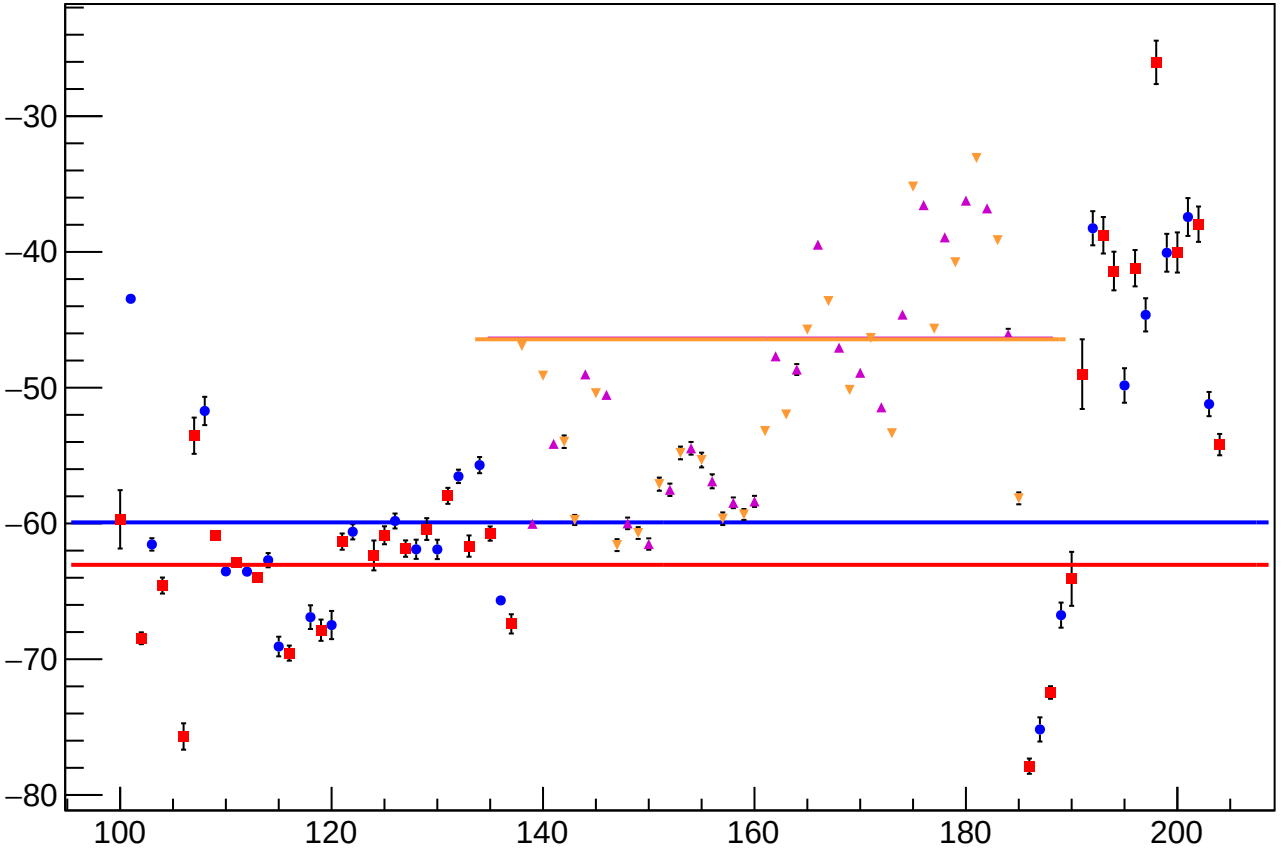
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.427+/-0.046 χ^2/NDF: 8905.4/48

All: 12.410+/-0.033 χ^2/NDF: 15310.1/101

- sign 12.393+/-0.048 χ^2/NDF: 6404.5/52

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -59.921+/-0.109 χ^2/NDF: 5035.9/23

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.048+/-0.100 χ^2/NDF: 4084.8/29

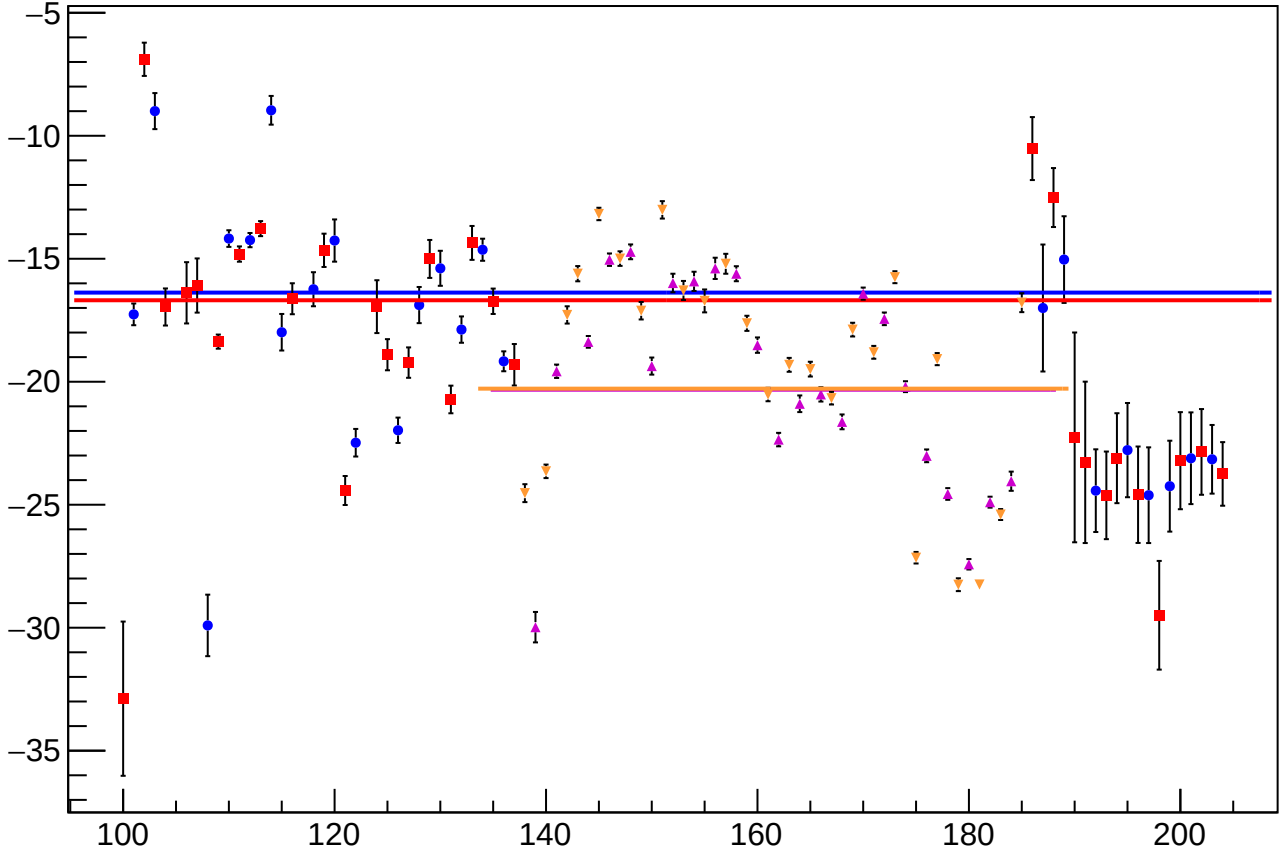
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -49.950+/-0.055 χ^2/NDF: 34628.2/48

All: -50.732+/-0.039 χ^2/NDF: 73376.1/101

- sign -51.519+/-0.056 χ^2/NDF: 38348.0/52

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.376+/-0.125 χ^2/NDF: 907.7/23

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.687+/-0.121 χ^2/NDF: 863.0/29

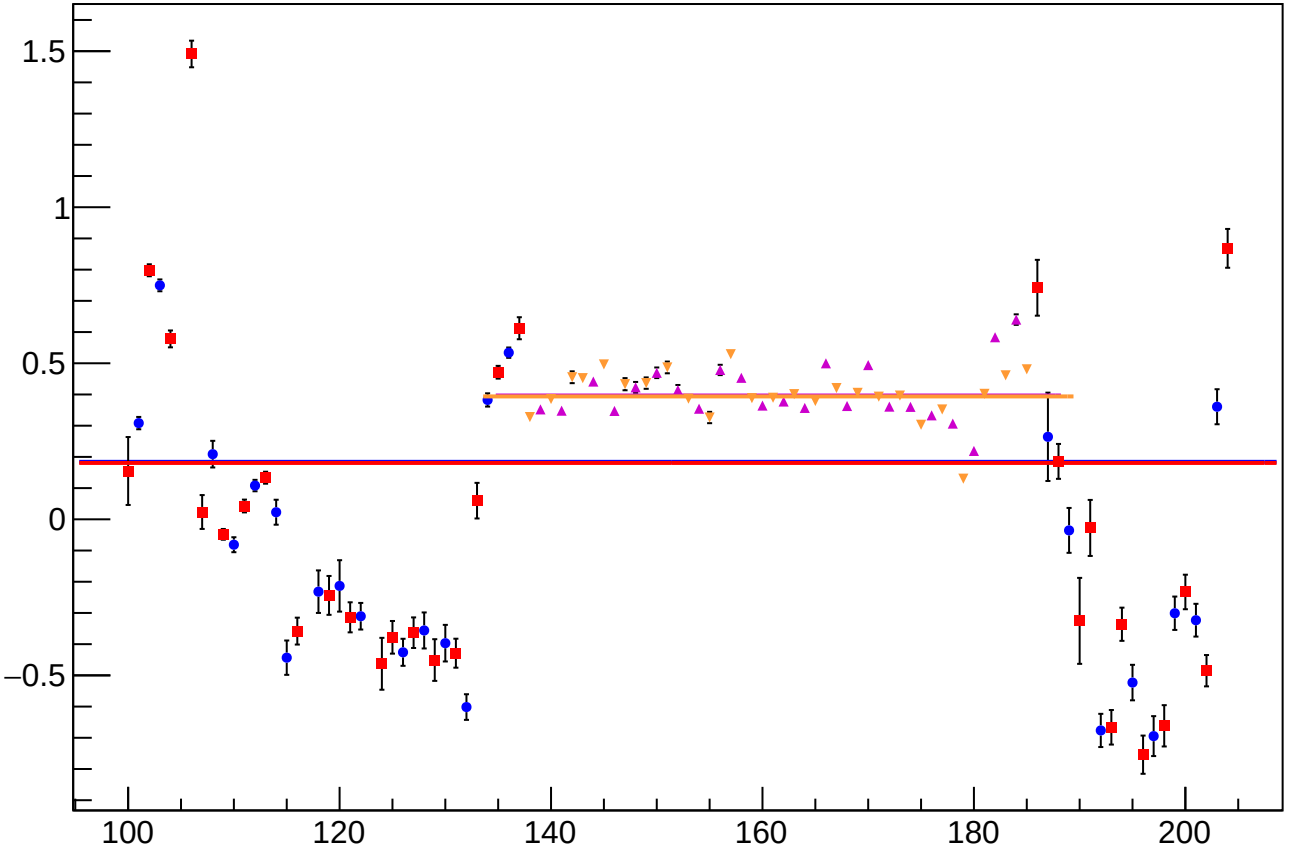
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.605+/-0.052 χ^2/NDF: 8738.0/48

All: -19.615+/-0.037 χ^2/NDF: 14601.6/101

- sign -19.626+/-0.053 χ^2/NDF: 5863.5/52

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.184+/-0.007 χ^2/NDF: 3490.6/23

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.181+/-0.007 χ^2/NDF: 4792.0/29

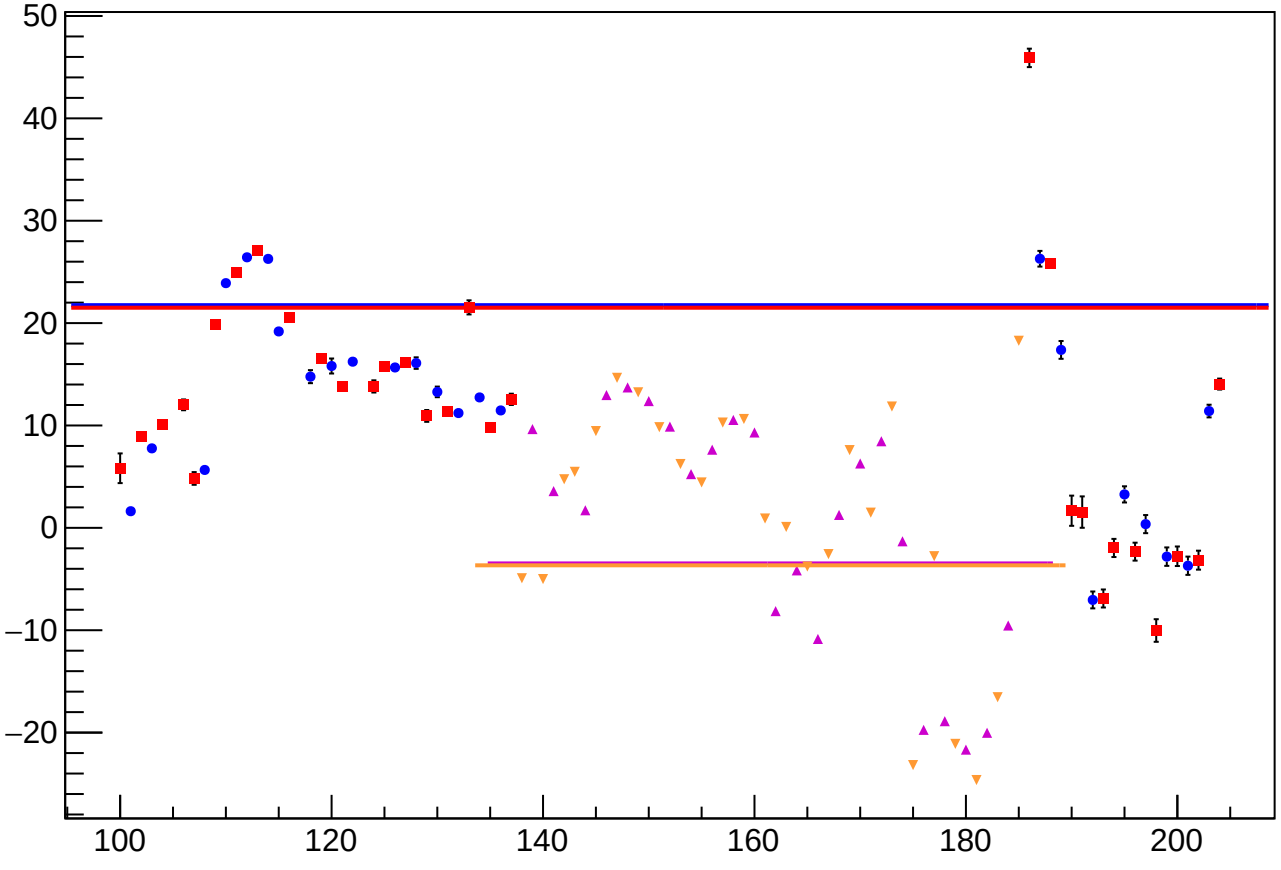
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.367+/-0.002 χ^2/NDF: 5289.7/48

All: 0.367+/-0.002 χ^2/NDF: 12291.4/101

- sign 0.367+/-0.002 χ^2/NDF: 7001.7/52

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 21.753+/-0.055 χ^2/NDF: 16700.9/23

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.502+/-0.045 χ^2/NDF: 16798.5/29

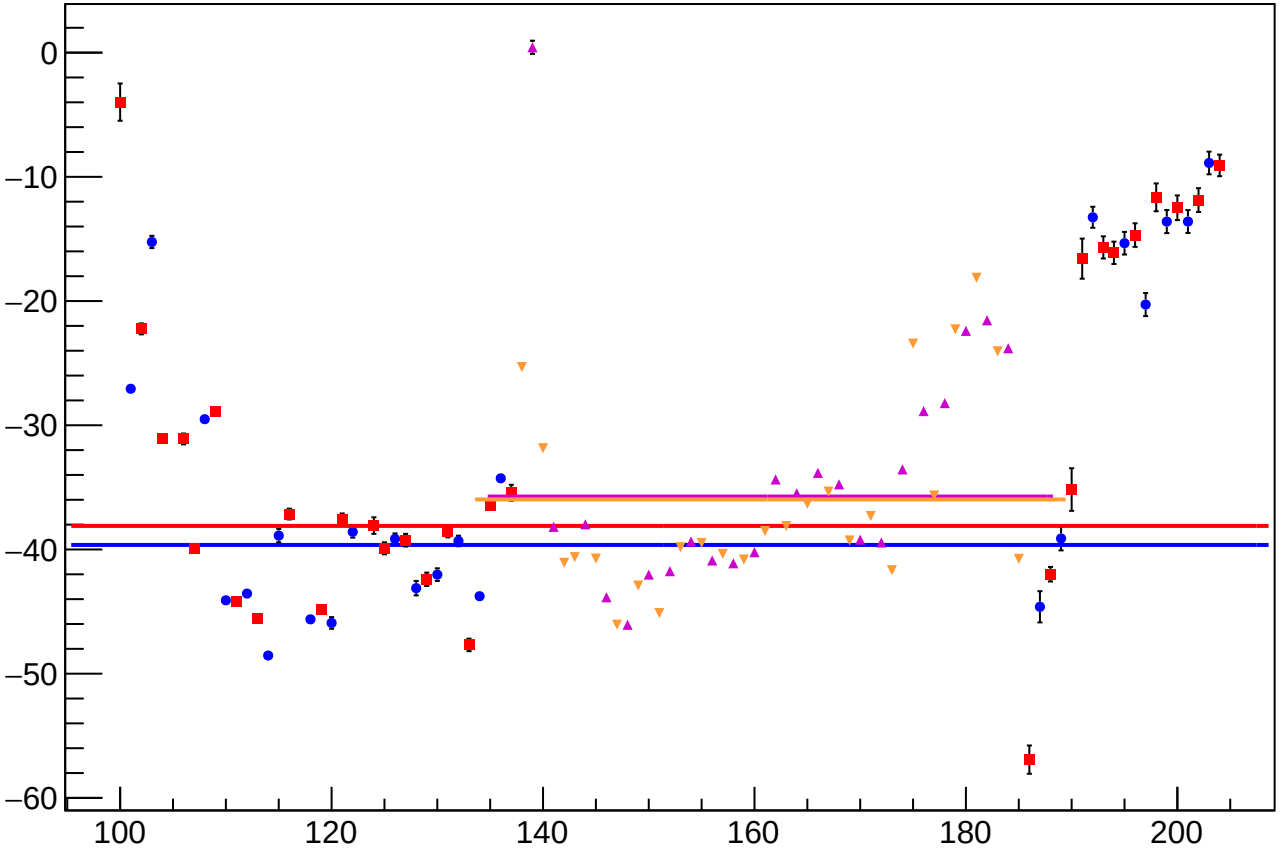
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.833+/-0.039 χ^2/NDF: 180187.4/48

All: 10.498+/-0.026 χ^2/NDF: 361911.2/101

- sign 11.894+/-0.036 χ^2/NDF: 178355.4/52

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -39.635+/-0.075 χ^2/NDF: 12827.5/23

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -38.102+/-0.069 χ^2/NDF: 15685.9/29

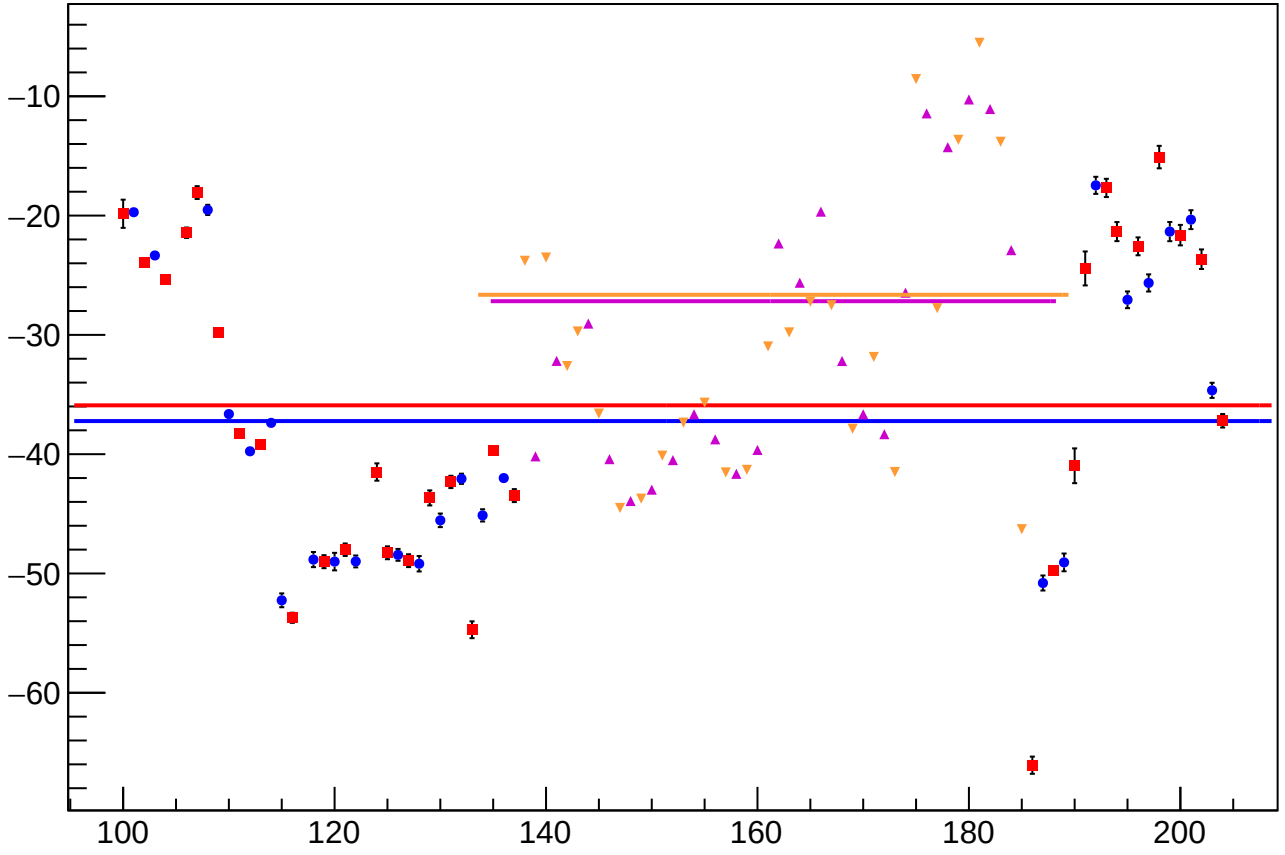
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.869+/-0.037 χ^2/NDF: 48259.3/48

All: -36.660+/-0.026 χ^2/NDF: 91991.4/101

- sign -36.442+/-0.038 χ^2/NDF: 43666.7/52

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.225+/-0.071 χ^2/NDF: 13700.3/23

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.905+/-0.061 χ^2/NDF: 19069.8/29

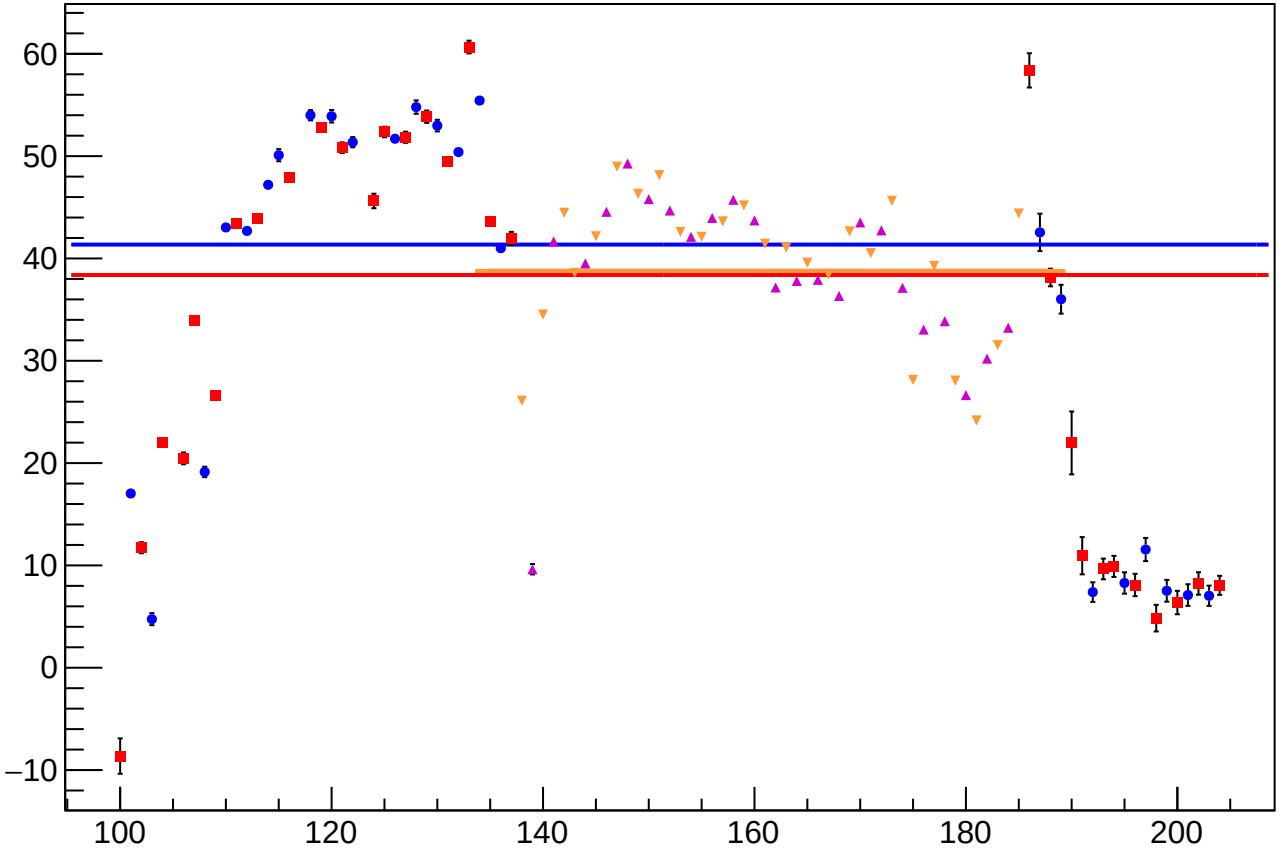
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.588+/-0.043 χ^2/NDF: 77783.9/48

All: -30.924+/-0.030 χ^2/NDF: 148790.5/101

- sign -31.239+/-0.042 χ^2/NDF: 70889.7/52

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 41.357+/-0.083 χ^2/NDF: 21241.2/23

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 38.385+/-0.076 χ^2/NDF: 24201.8/29

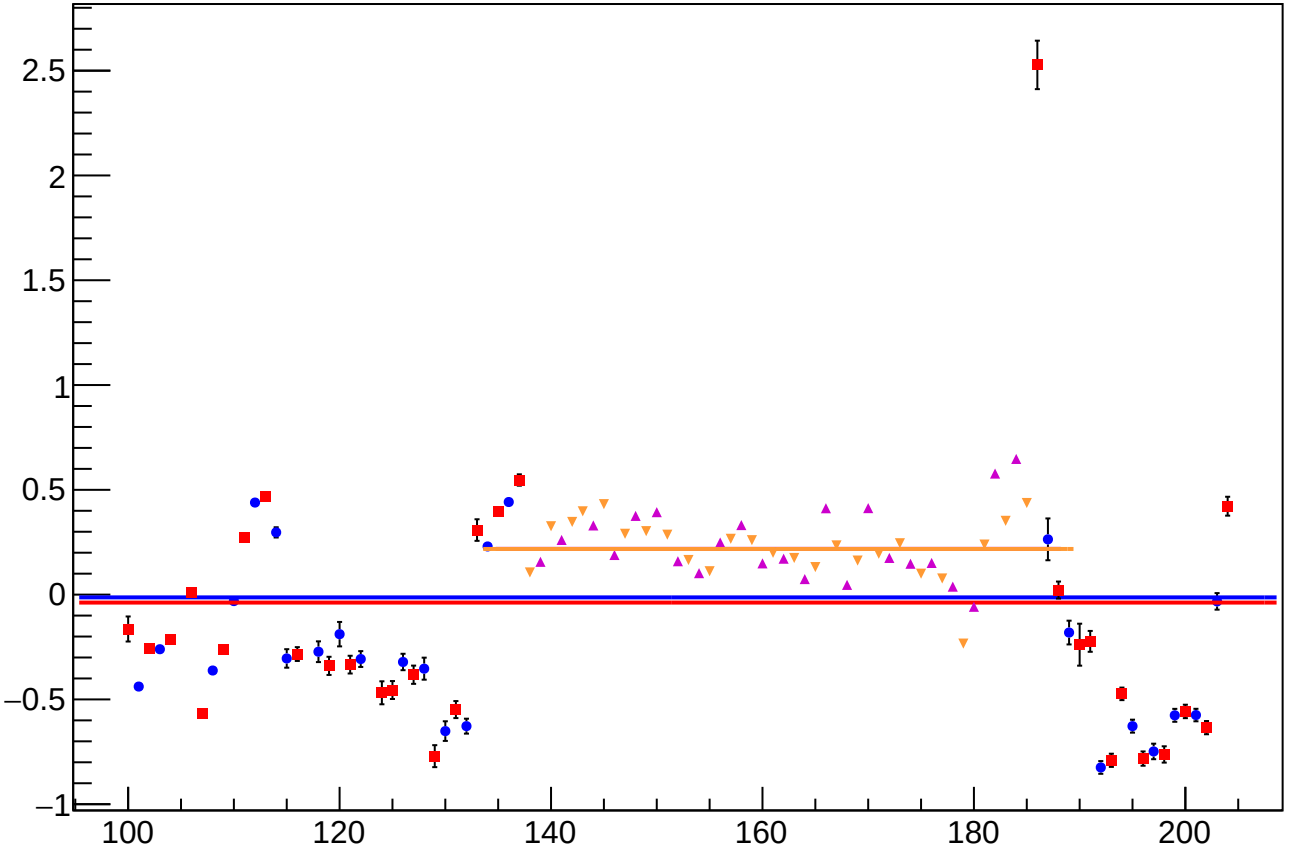
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.416+/-0.041 χ^2/NDF: 43035.7/48

All: 39.047+/-0.029 χ^2/NDF: 83659.2/101

- sign 38.668+/-0.042 χ^2/NDF: 40462.3/52

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.013+/-0.005 χ^2/NDF: 7963.7/23

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.038+/-0.004 χ^2/NDF: 9433.6/29

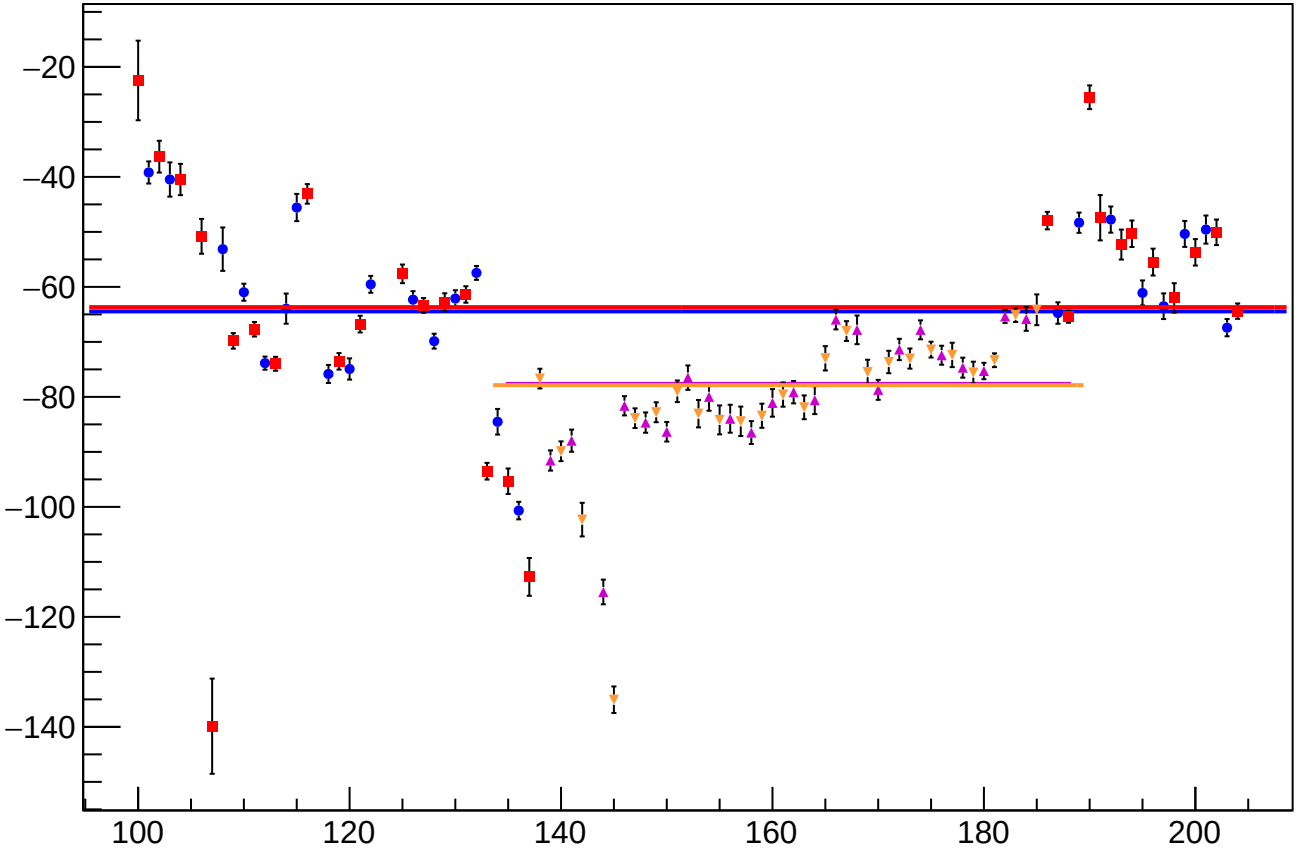
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.175+/-0.002 χ^2/NDF: 14163.7/48

All: 0.168+/-0.001 χ^2/NDF: 31947.2/101

- sign 0.160+/-0.002 χ^2/NDF: 17752.0/52

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -64.457+/-0.369 χ^2/NDF: 1280.4/23

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -63.676+/-0.340 χ^2/NDF: 1889.7/28

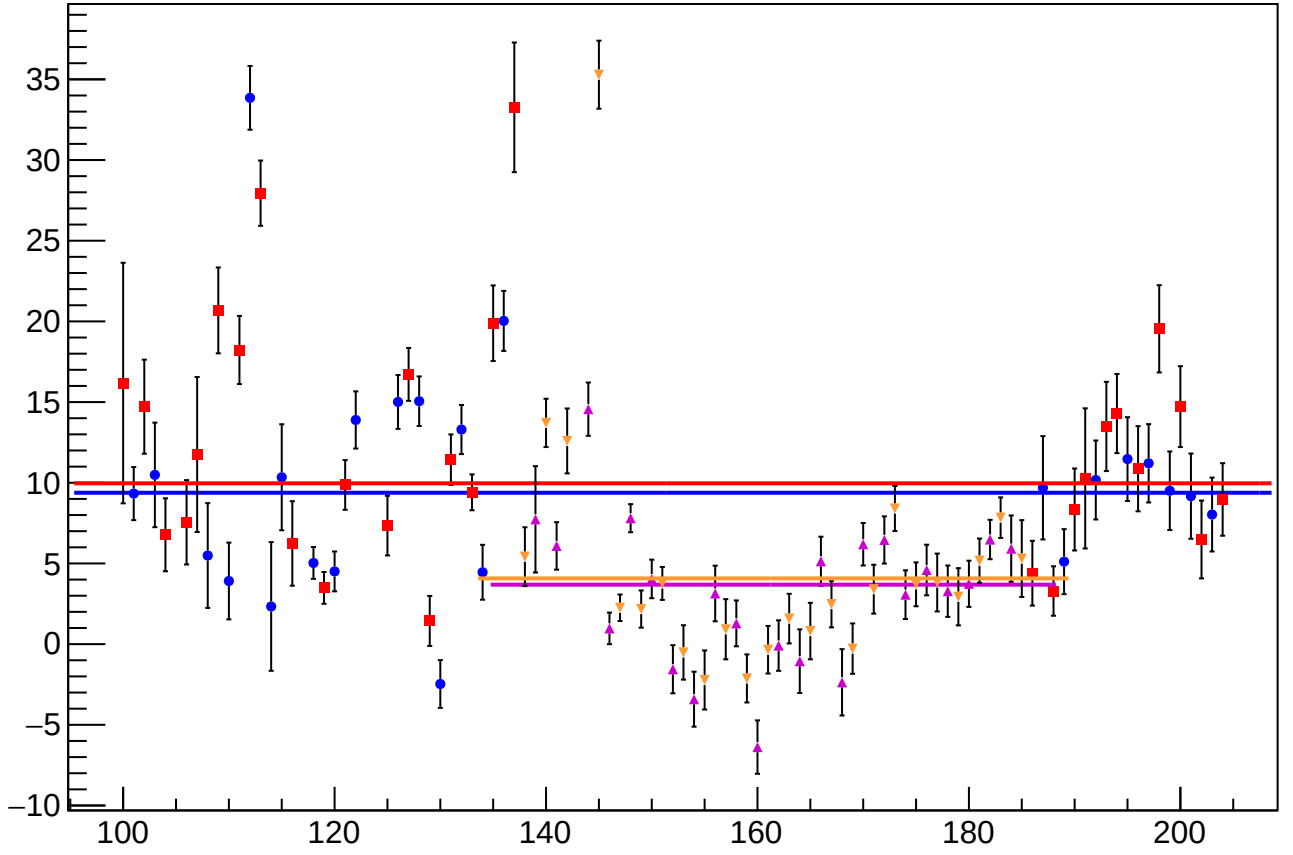
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -70.715+/-0.269 χ^2/NDF: 2830.2/47

All: -70.126+/-0.186 χ^2/NDF: 6138.4/99

- sign -69.586+/-0.258 χ^2/NDF: 3299.0/51

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.381+/-0.384 χ^2/NDF: 348.2/23

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.967+/-0.371 χ^2/NDF: 314.4/28

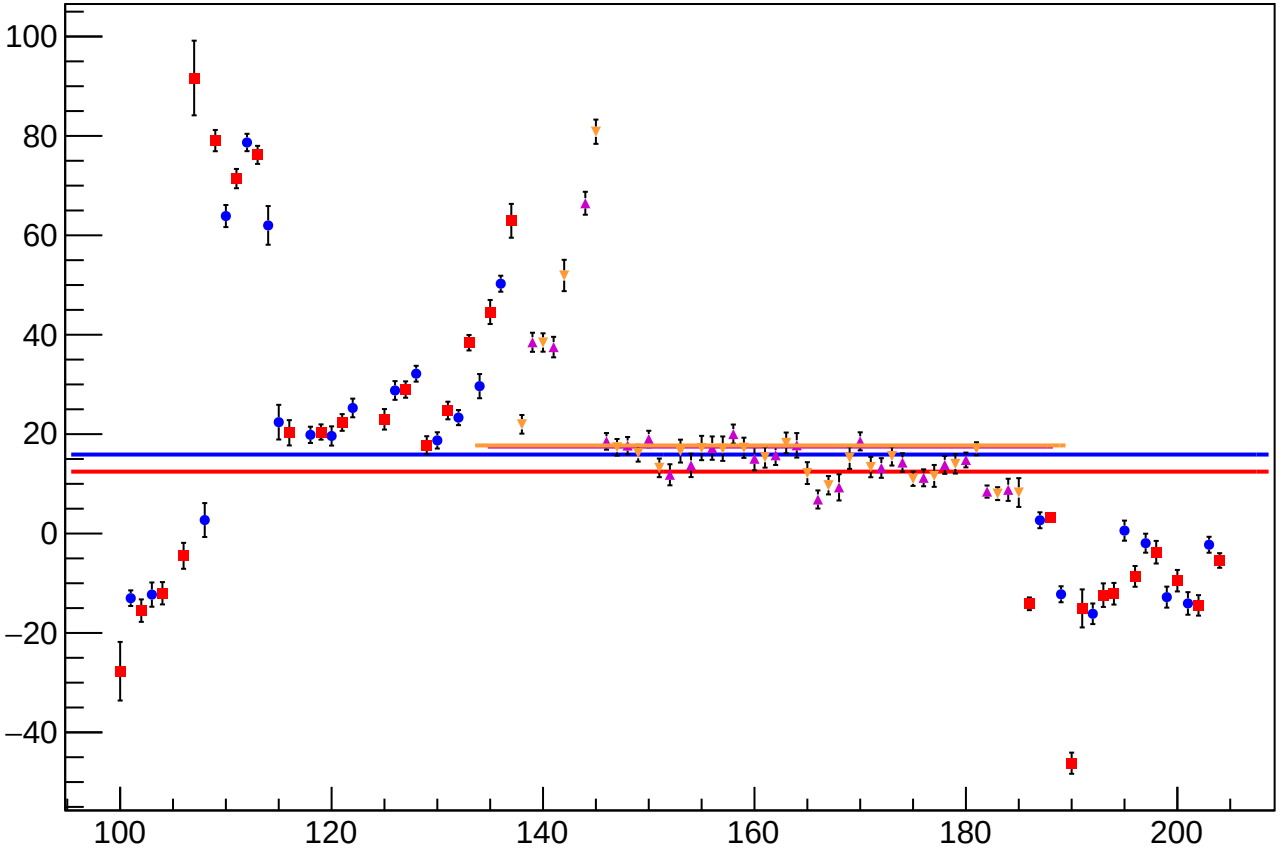
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

\+ sign 6.059+/-0.235 χ^2/NDF: 838.5/47

All: 6.122+/-0.166 χ^2/NDF: 1508.1/99

\- sign 6.185+/-0.234 χ^2/NDF: 669.5/51

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 15.894+/-0.388 χ^2/NDF: 4333.0/23

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 12.457+/-0.351 χ^2/NDF: 6681.3/28

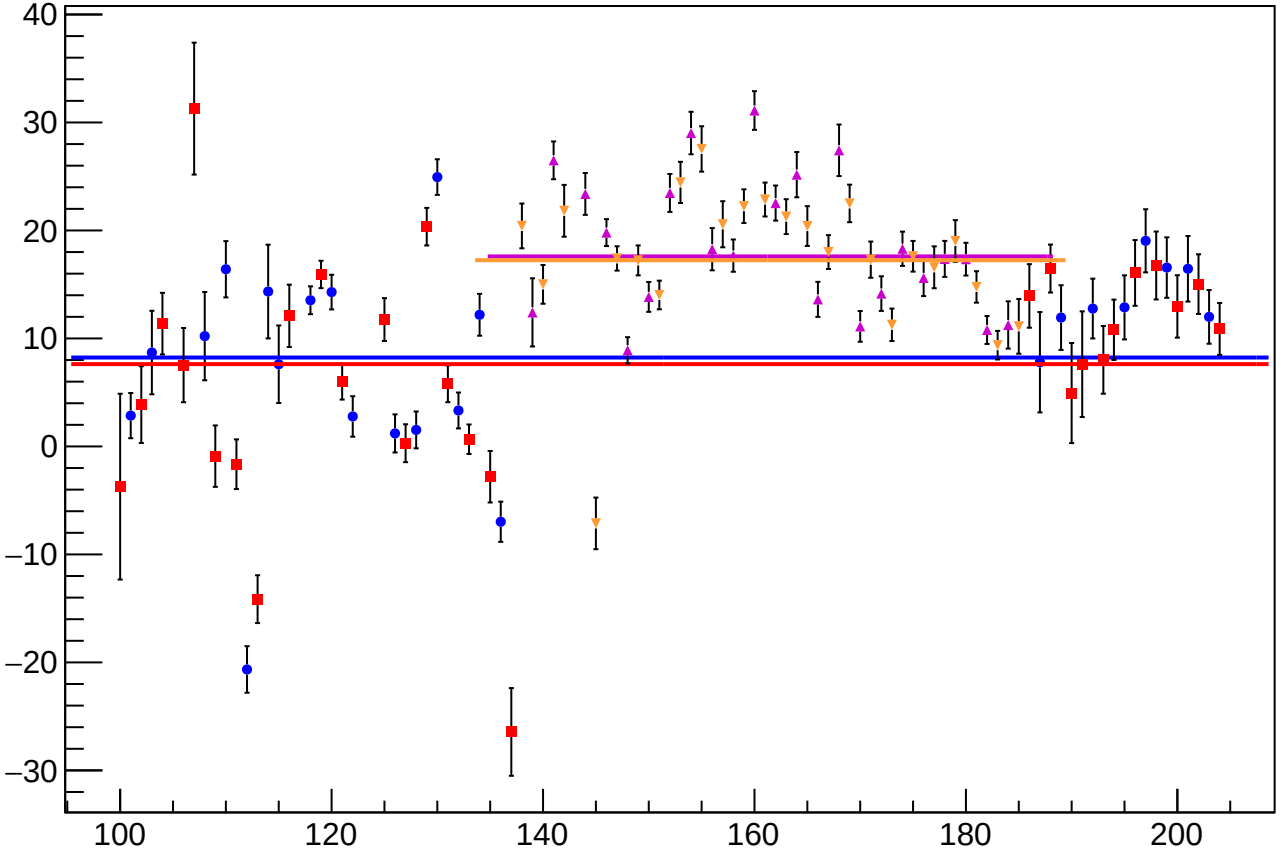
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 16.802+/-0.276 χ^2/NDF: 5402.4/47

All: 15.694+/-0.190 χ^2/NDF: 13026.4/99

- sign 14.694+/-0.262 χ^2/NDF: 7593.3/51

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 8.233+/-0.448 χ^2/NDF: 490.2/23

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.622+/-0.437 χ^2/NDF: 430.2/28

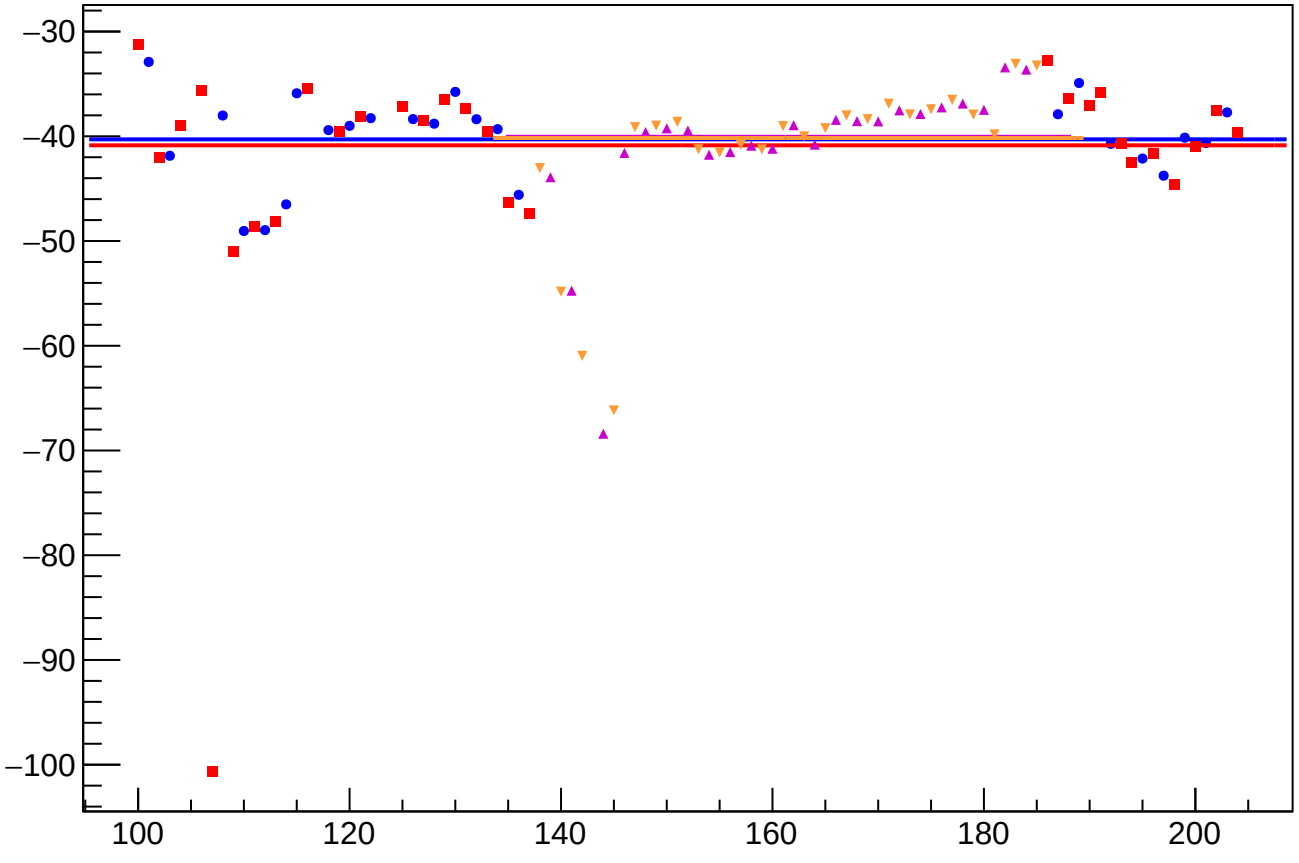
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.972+/-0.270 χ^2/NDF: 1009.0/47

All: 13.887+/-0.191 χ^2/NDF: 2072.2/99

- sign 13.803+/-0.269 χ^2/NDF: 1063.0/51

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.023 χ^2/NDF: 25455.1/23

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.863+/-0.022 χ^2/NDF: 69393.9/28

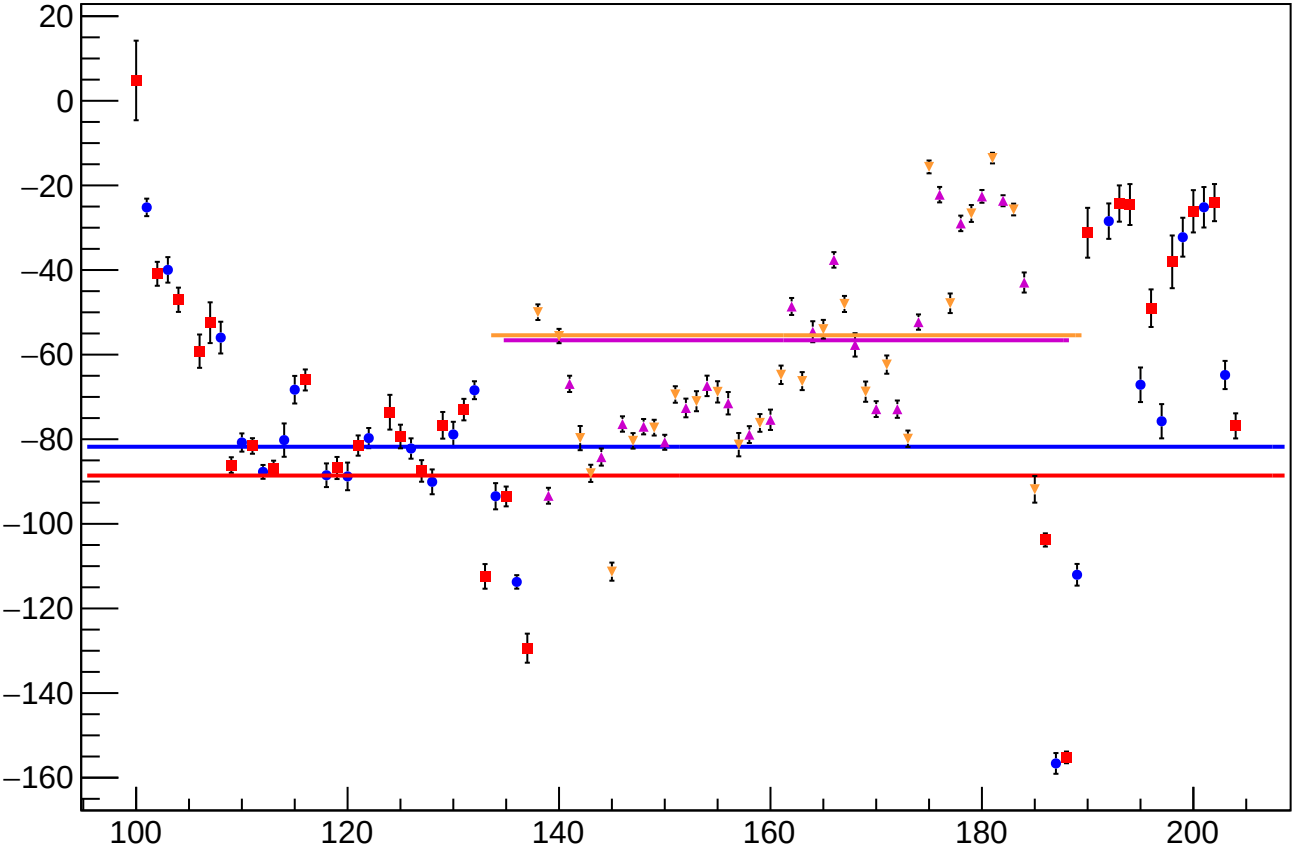
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.204+/-0.013 χ^2/NDF: 188812.3/47

All: -40.261+/-0.009 χ^2/NDF: 395601.3/99

- sign -40.317+/-0.013 χ^2/NDF: 206749.8/51

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -81.776+/-0.546 χ^2/NDF: 3021.2/23

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -88.583+/-0.495 χ^2/NDF: 4548.3/28

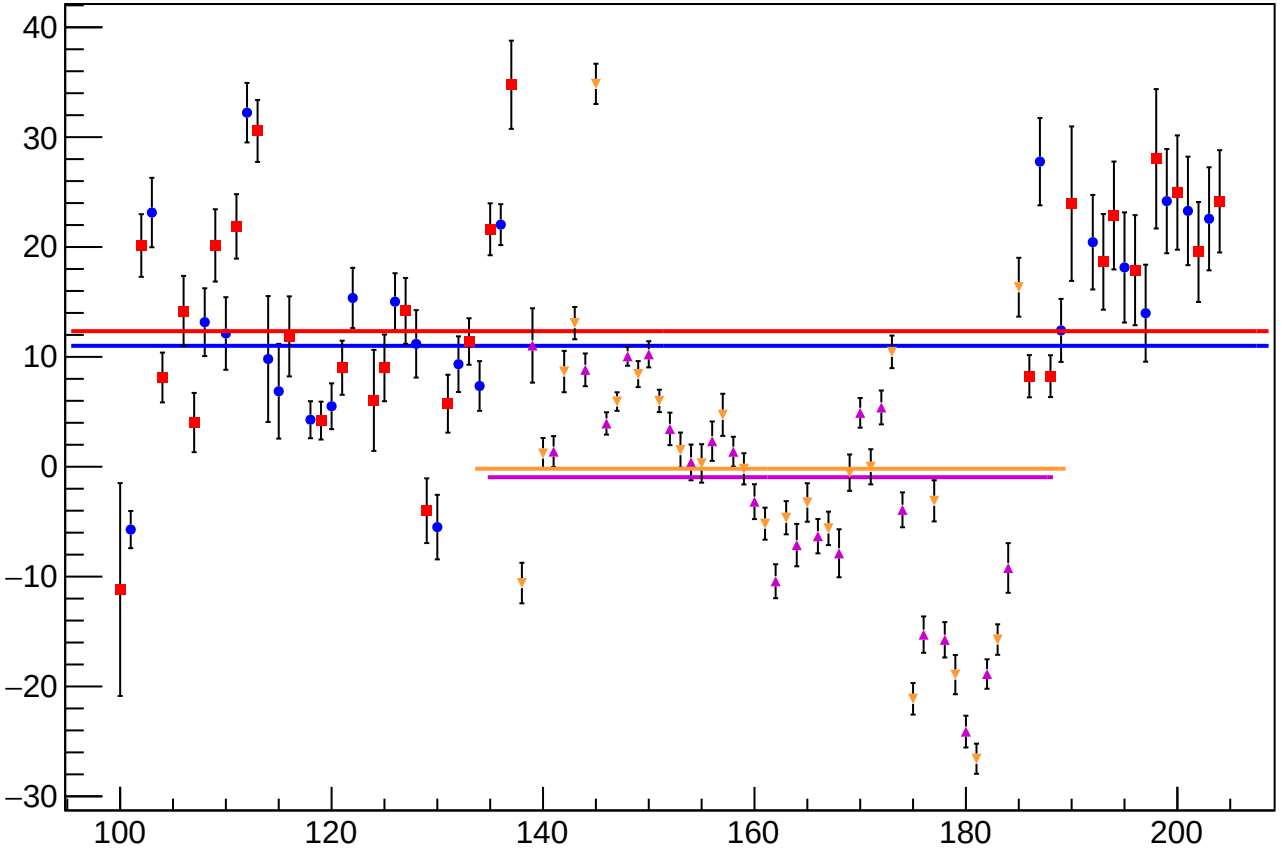
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.428+/-0.319 χ^2/NDF: 9080.5/48

All: -66.955+/-0.223 χ^2/NDF: 19607.9/100

- sign -69.384+/-0.313 χ^2/NDF: 10404.4/51

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 11.006+/-0.572 χ^2/NDF: 317.9/23

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 12.342+/-0.549 χ^2/NDF: 236.8/28

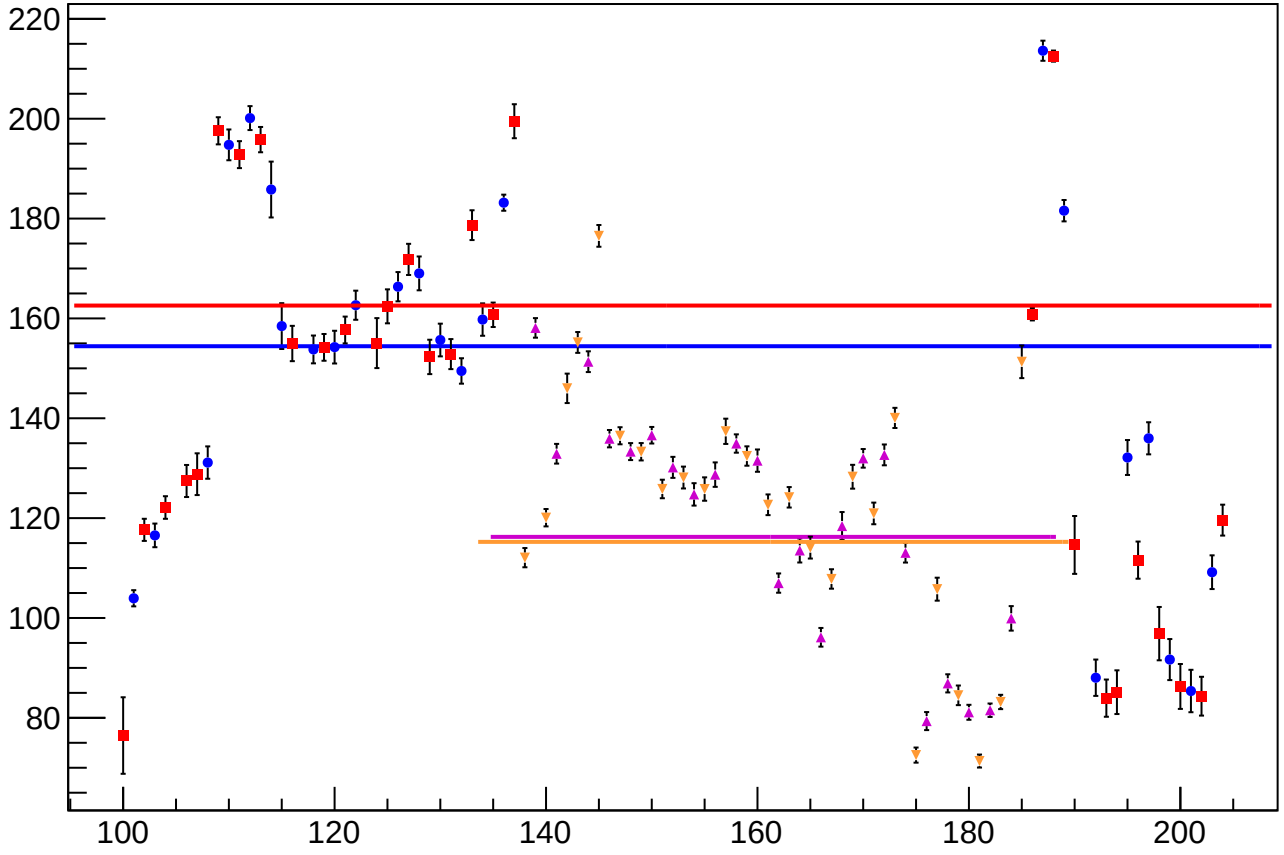
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

\+ sign 2.157+/-0.262 χ^2/NDF: 2218.5/48

All: 2.164+/-0.187 χ^2/NDF: 3974.1/100

\- sign 2.172+/-0.266 χ^2/NDF: 1755.6/51

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.429+/-0.559 χ^2/NDF: 4321.1/23

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 162.576+/-0.495 χ^2/NDF: 5780.1/28

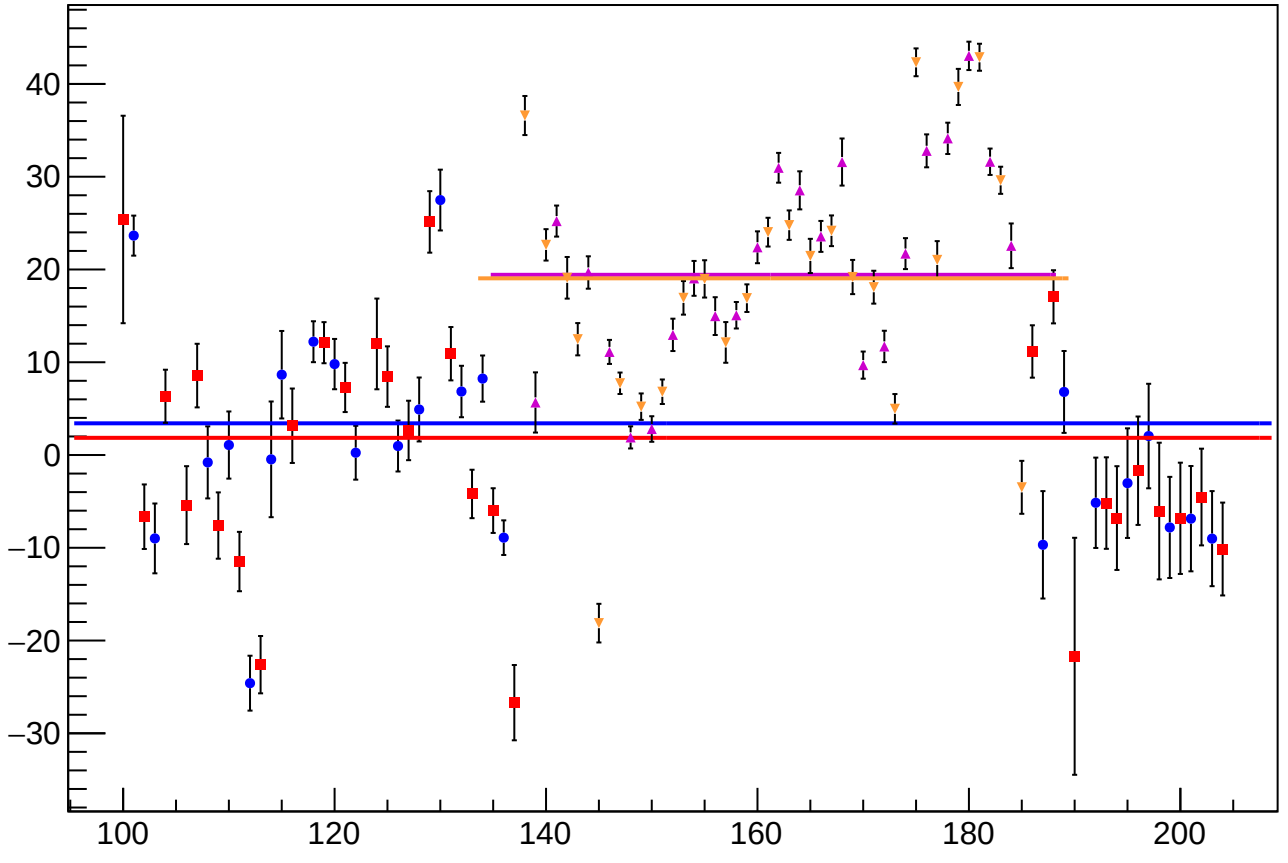
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.100+/-0.320 χ^2/NDF: 12464.0/48

All: 131.395+/-0.223 χ^2/NDF: 27396.1/100

- sign 134.502+/-0.311 χ^2/NDF: 14725.9/51

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 3.416+/-0.667 χ^2/NDF: 341.5/23

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 1.852+/-0.653 χ^2/NDF: 323.2/28

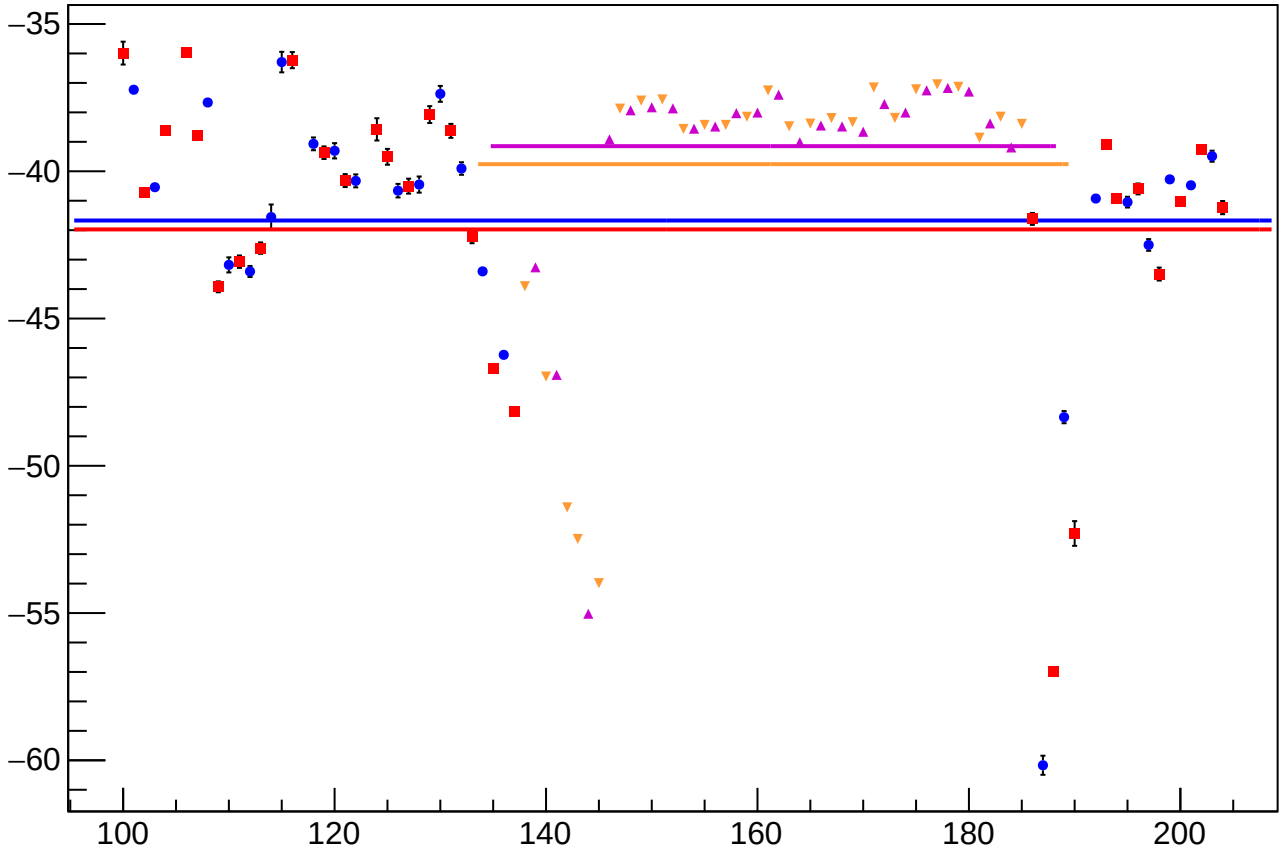
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 15.880+/-0.300 χ^2/NDF: 2325.2/48

All: 15.731+/-0.214 χ^2/NDF: 4292.1/100

- sign 15.576+/-0.305 χ^2/NDF: 1966.4/51

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.672+/-0.033 χ^2/NDF: 12557.3/23

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.974+/-0.033 χ^2/NDF: 19459.4/28

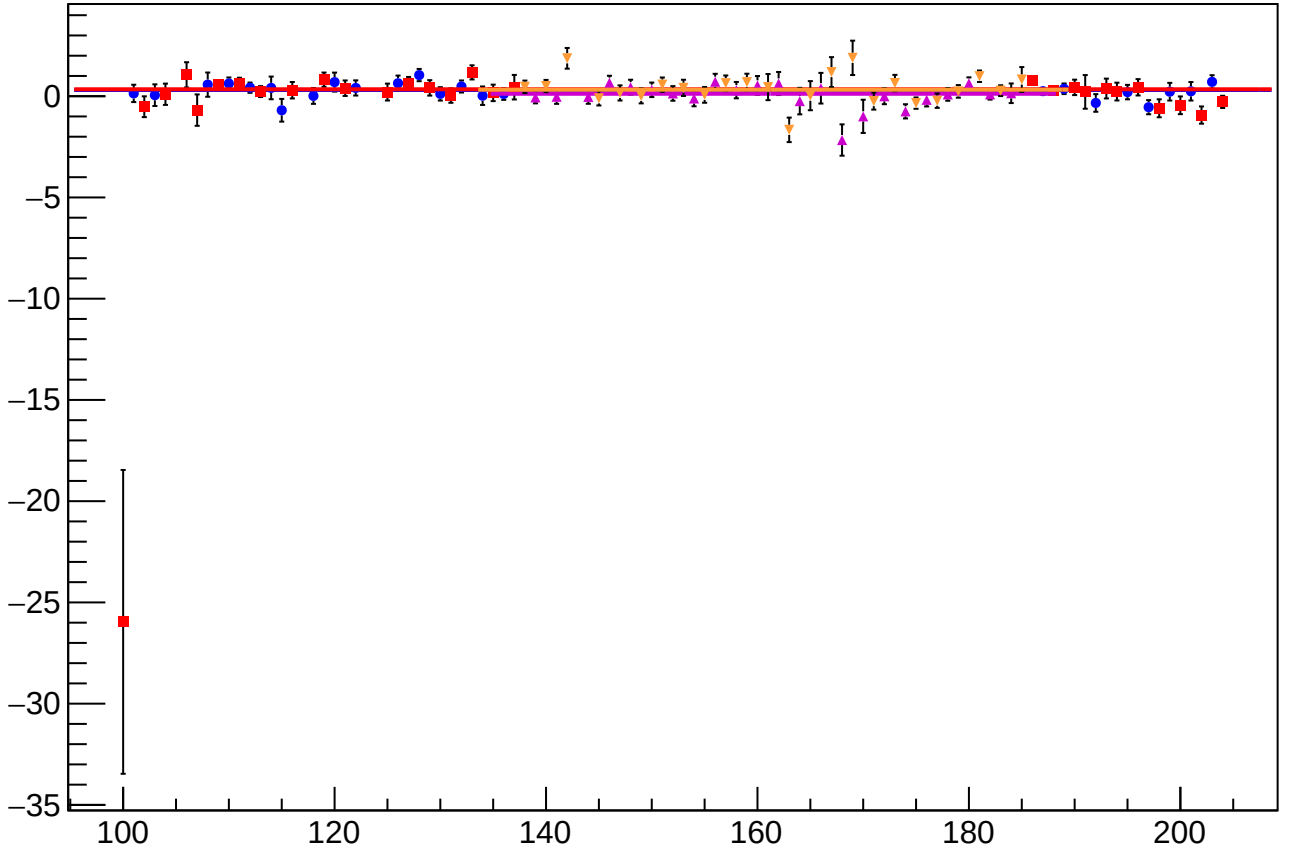
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.104+/-0.014 χ^2/NDF: 97202.2/48

All: -39.891+/-0.010 χ^2/NDF: 170164.7/100

- sign -39.676+/-0.014 χ^2/NDF: 72495.2/51

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.308+/-0.072 χ^2/NDF: 24.5/23

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.341+/-0.061 χ^2/NDF: 57.9/28

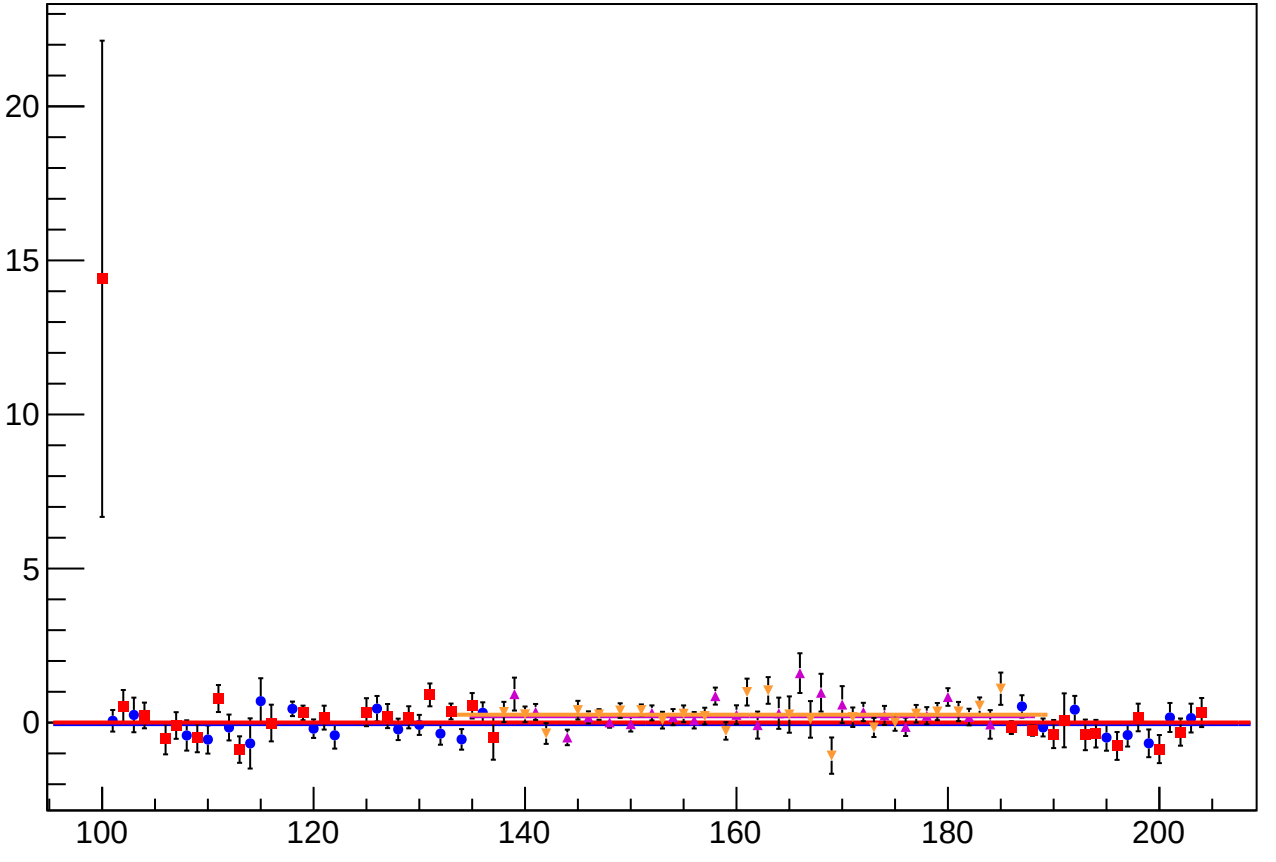
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

\+ sign 0.314+/-0.053 χ^2/NDF: 71.4/47

All: 0.284+/-0.036 χ^2/NDF: 164.8/99

\- sign 0.259+/-0.048 χ^2/NDF: 92.8/51

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.049+/-0.078 χ^2/NDF: 23.0/23

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.003+/-0.070 χ^2/NDF: 39.1/28

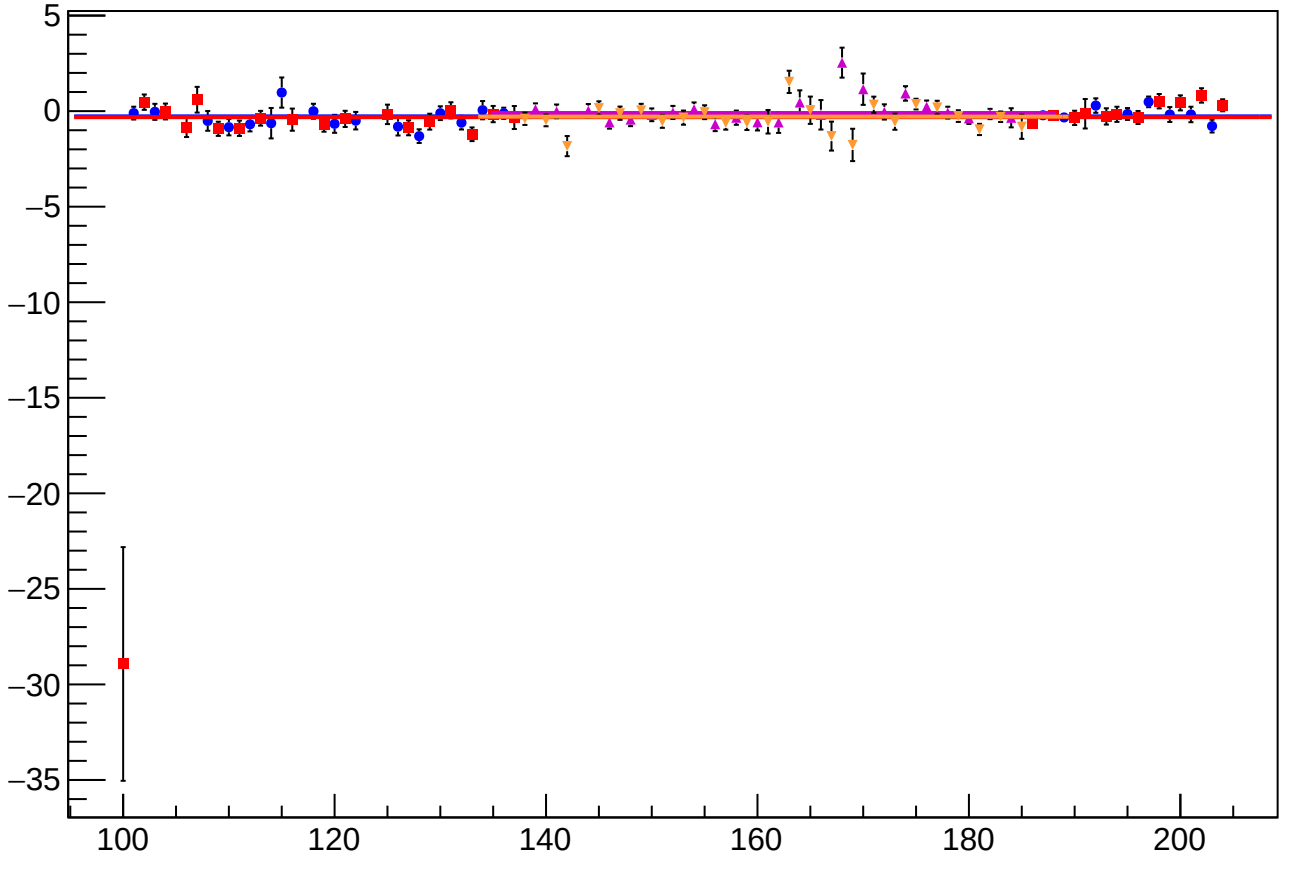
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.145+/-0.047 χ^2/NDF: 59.3/47

All: 0.132+/-0.033 χ^2/NDF: 135.2/99

- sign 0.120+/-0.046 χ^2/NDF: 75.8/51

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.275+/-0.071 χ^2/NDF: 31.8/23

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.317+/-0.058 χ^2/NDF: 72.6/28

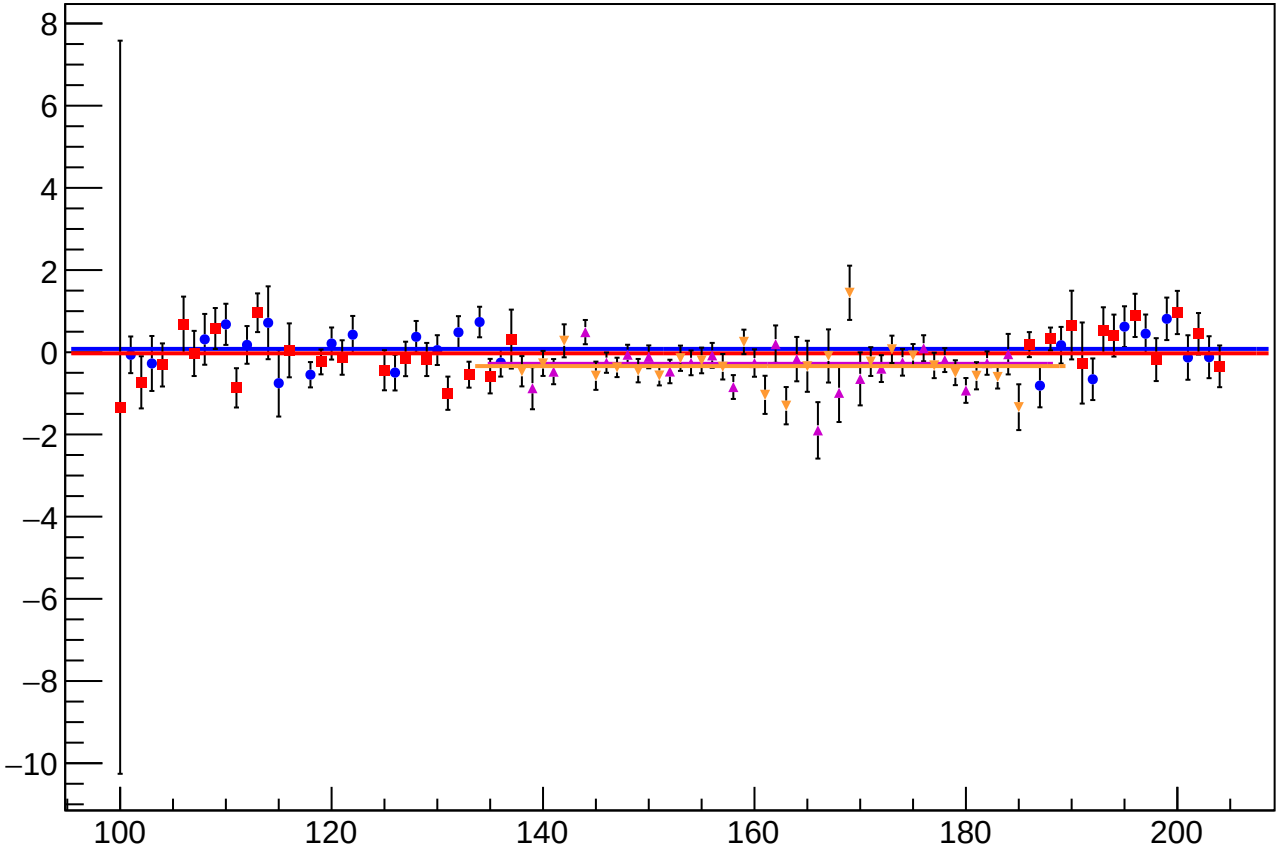
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.280+/-0.052 χ^2/NDF: 76.8/47

All: -0.258+/-0.035 χ^2/NDF: 187.9/99

- sign -0.240+/-0.047 χ^2/NDF: 110.8/51

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.082+/-0.092 χ^2/NDF: 25.0/23

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.026+/-0.086 χ^2/NDF: 36.0/28

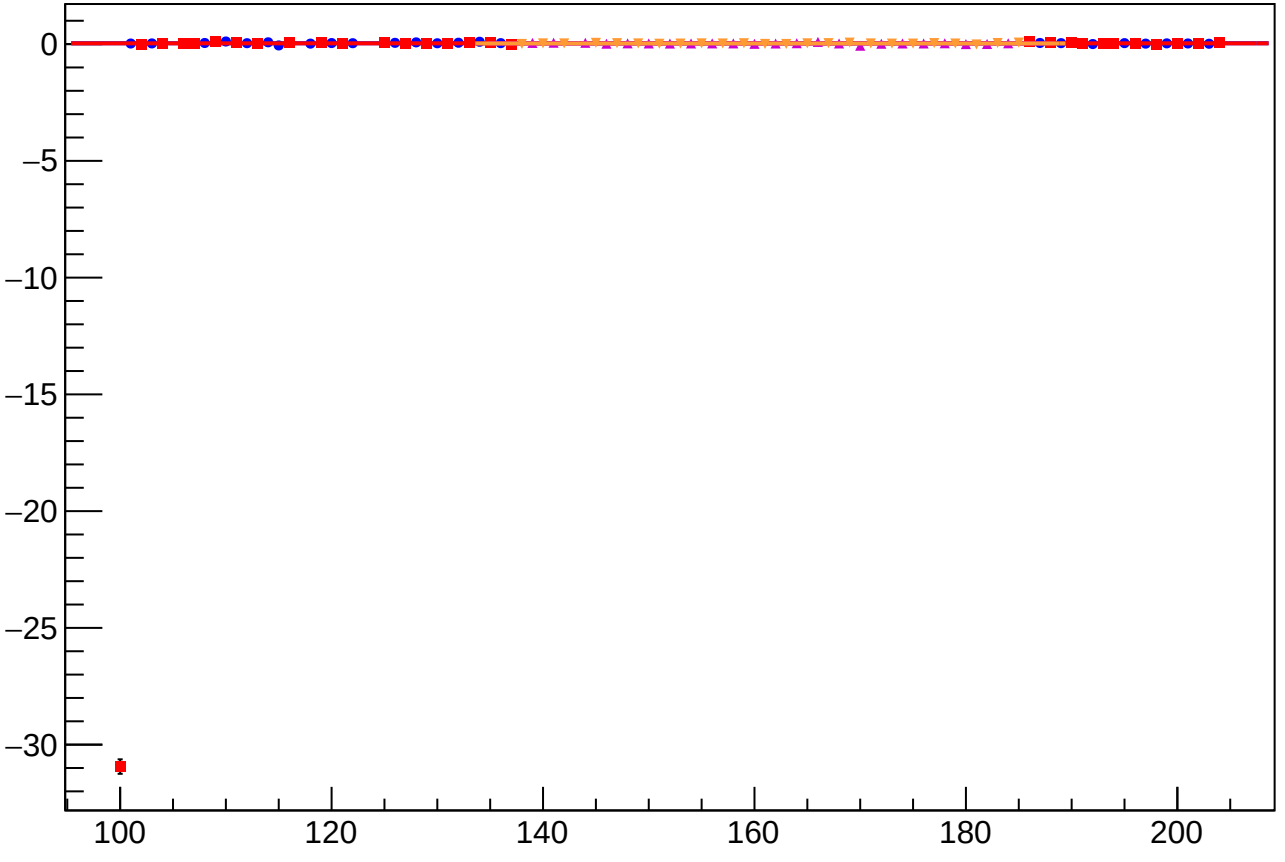
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.189+/-0.055 χ^2/NDF: 68.5/47

All: -0.185+/-0.038 χ^2/NDF: 138.9/99

- sign -0.182+/-0.054 χ^2/NDF: 70.4/51

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.037+/-0.004 χ^2/NDF: 30.2/23

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.033+/-0.004 χ^2/NDF: 10049.8/28

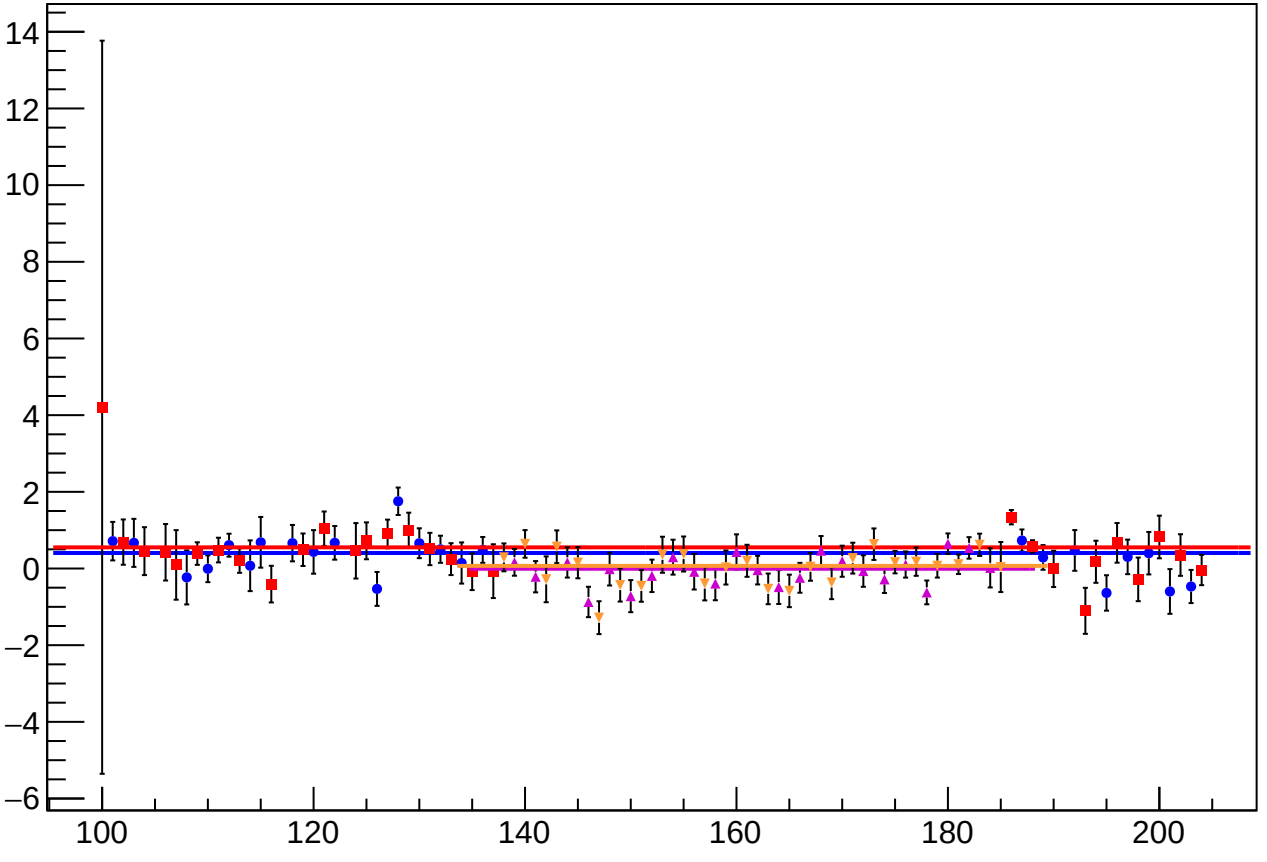
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.031+/-0.002 χ^2/NDF: 60.9/47

All: 0.031+/-0.002 χ^2/NDF: 10150.2/99

- sign 0.031+/-0.002 χ^2/NDF: 10089.2/51

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.405+/-0.087 χ^2/NDF: 37.4/23

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.551+/-0.073 χ^2/NDF: 44.4/28

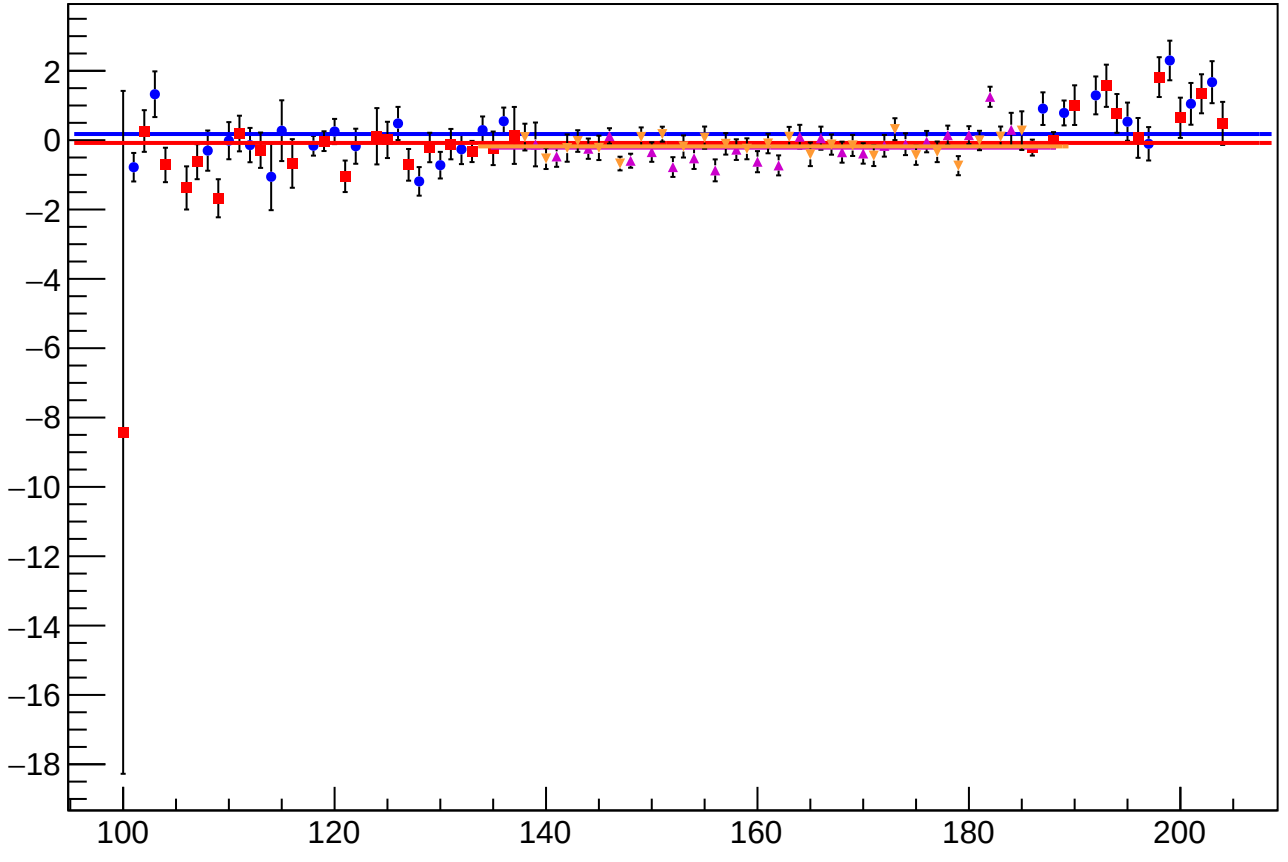
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.217+/-0.058 χ^2/NDF: 76.9/48

All: 0.259+/-0.039 χ^2/NDF: 177.5/100

- sign 0.296+/-0.054 χ^2/NDF: 99.6/51

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.177+/-0.094 χ^2/NDF: 64.3/23

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.080+/-0.084 χ^2/NDF: 58.7/28

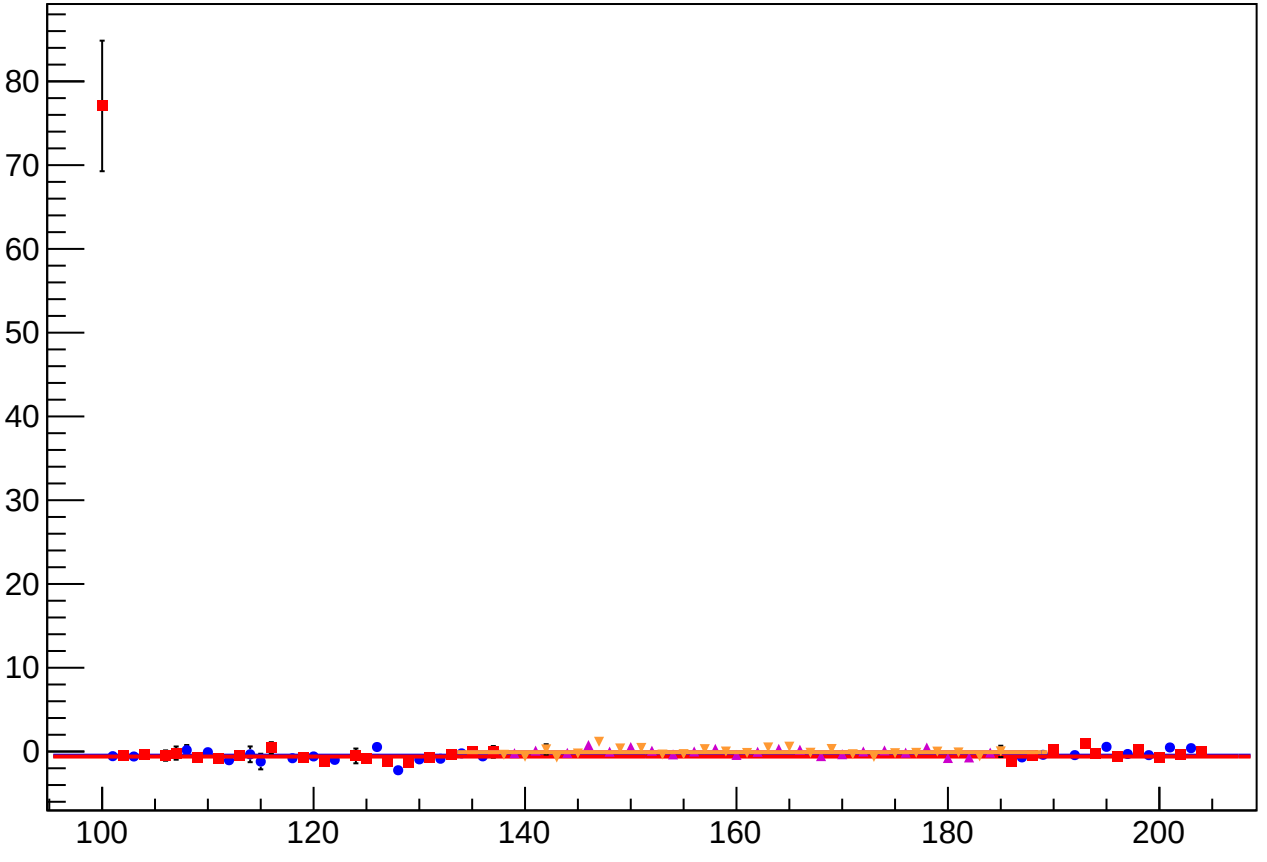
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.079+/-0.050 χ^2/NDF: 99.3/48

All: -0.124+/-0.035 χ^2/NDF: 214.9/100

- sign -0.168+/-0.050 χ^2/NDF: 114.0/51

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.496+/-0.087 χ^2/NDF: 44.0/23

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.601+/-0.070 χ^2/NDF: 142.7/28

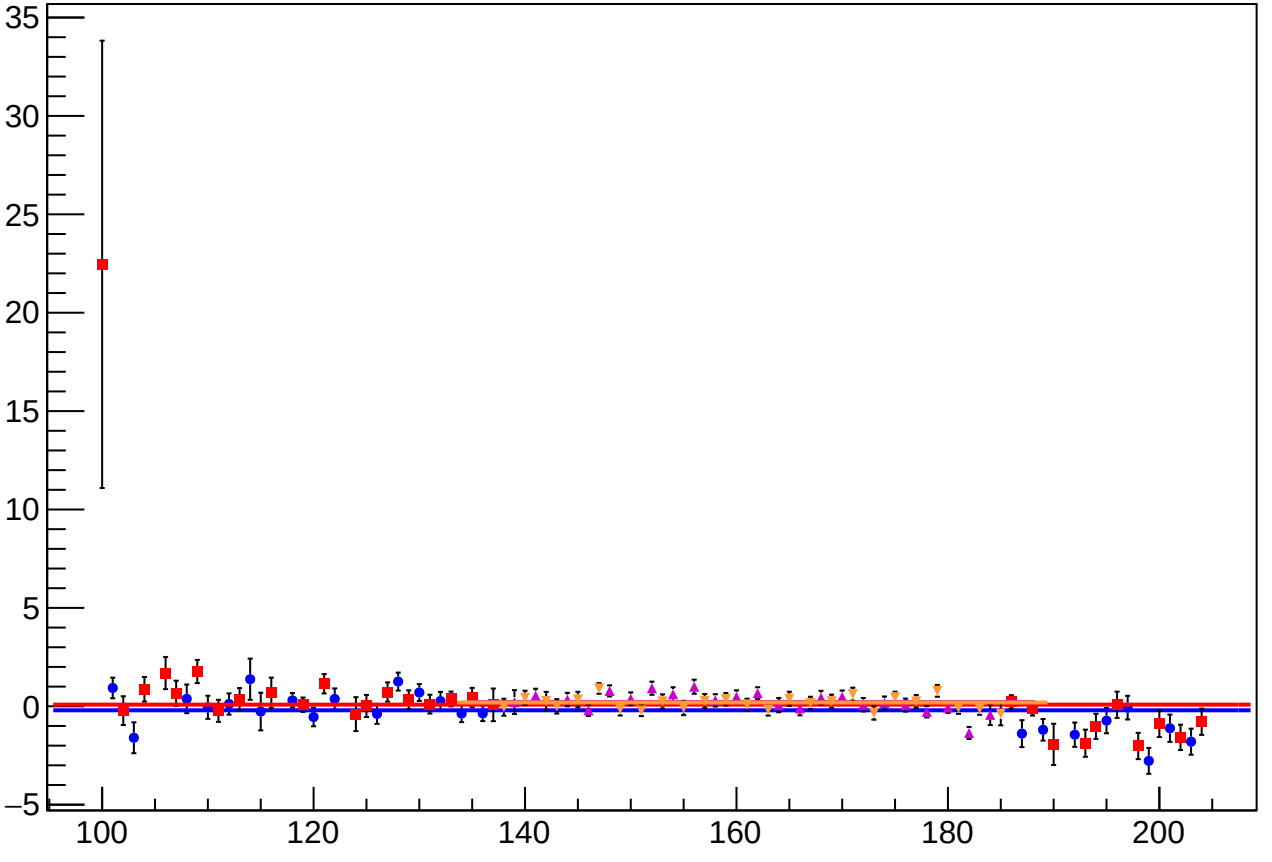
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.259+/-0.058 χ^2/NDF: 87.0/48

All: -0.321+/-0.039 χ^2/NDF: 285.1/100

- sign -0.371+/-0.052 χ^2/NDF: 196.1/51

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.203+/-0.111 χ^2/NDF: 64.7/23

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.084+/-0.103 χ^2/NDF: 63.4/28

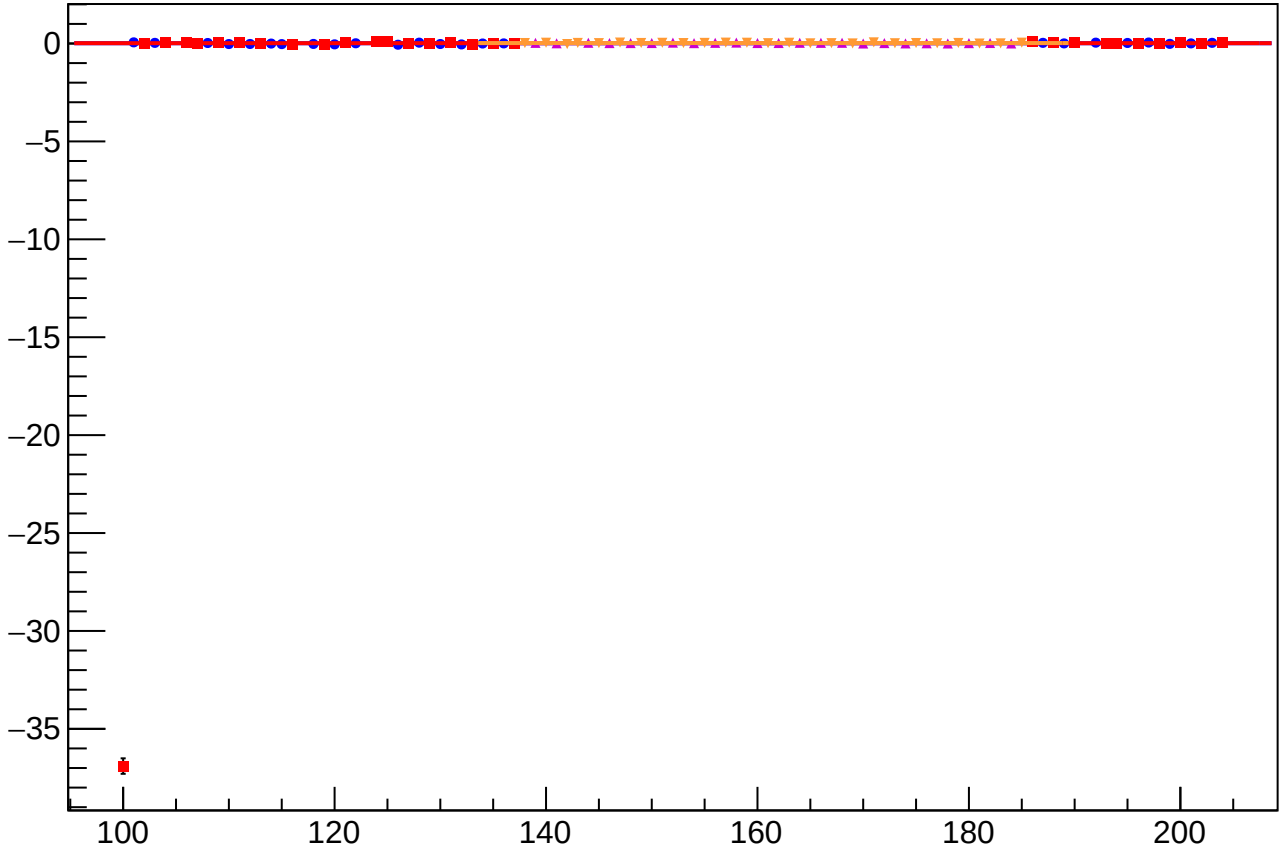
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.088+/-0.057 χ^2/NDF: 99.9/48

All: 0.131+/-0.041 χ^2/NDF: 220.6/100

- sign 0.174+/-0.057 χ^2/NDF: 119.6/51

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.013+/-0.005 χ^2/NDF: 28.5/23

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.017+/-0.005 χ^2/NDF: 8777.9/28

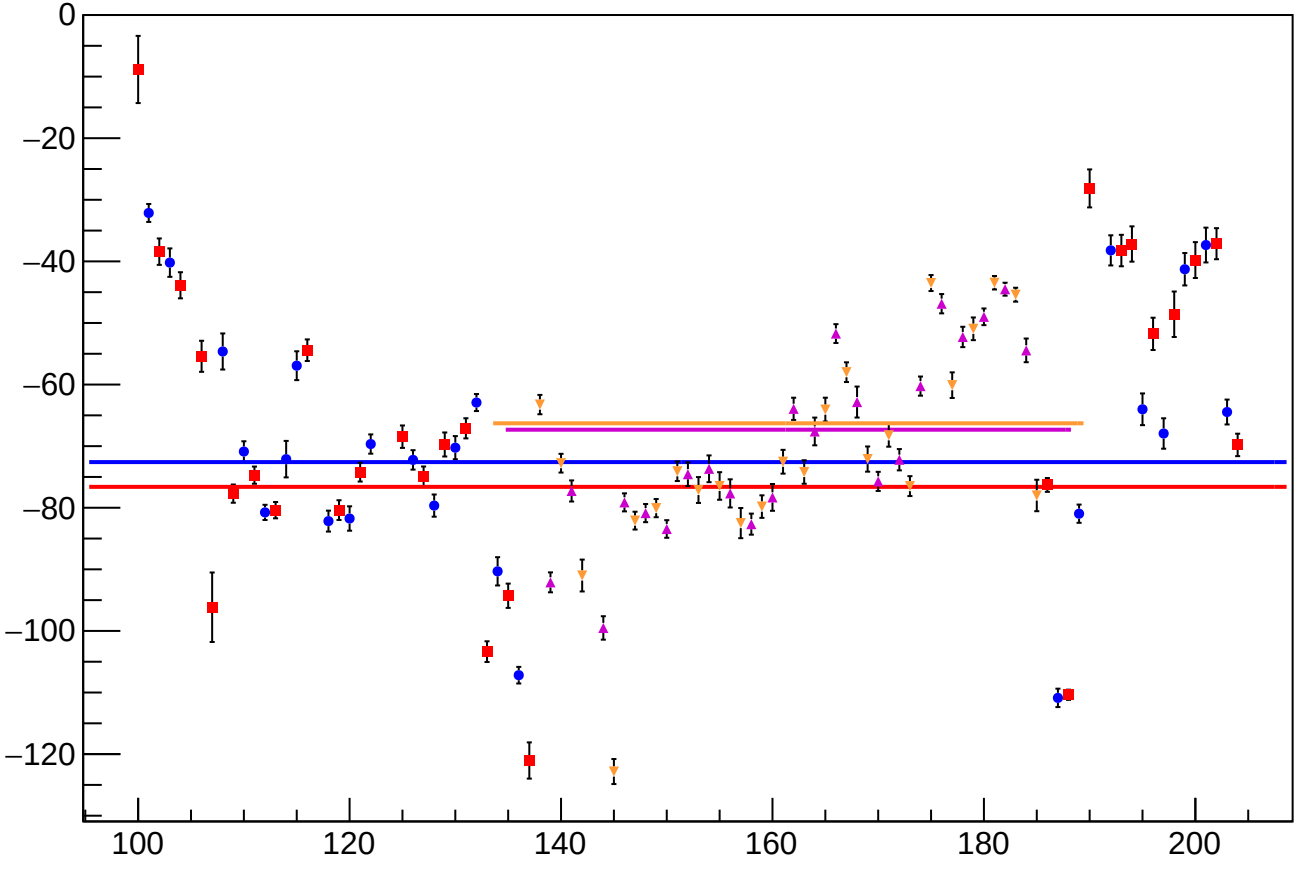
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

\+ sign 0.022+/-0.003 χ^2/NDF: 61.8/48

All: 0.022+/-0.002 χ^2/NDF: 8859.4/100

\- sign 0.022+/-0.003 χ^2/NDF: 8797.6/51

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.588+/-0.371 χ^2/NDF: 3150.2/23

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -76.608+/-0.337 χ^2/NDF: 4490.7/27

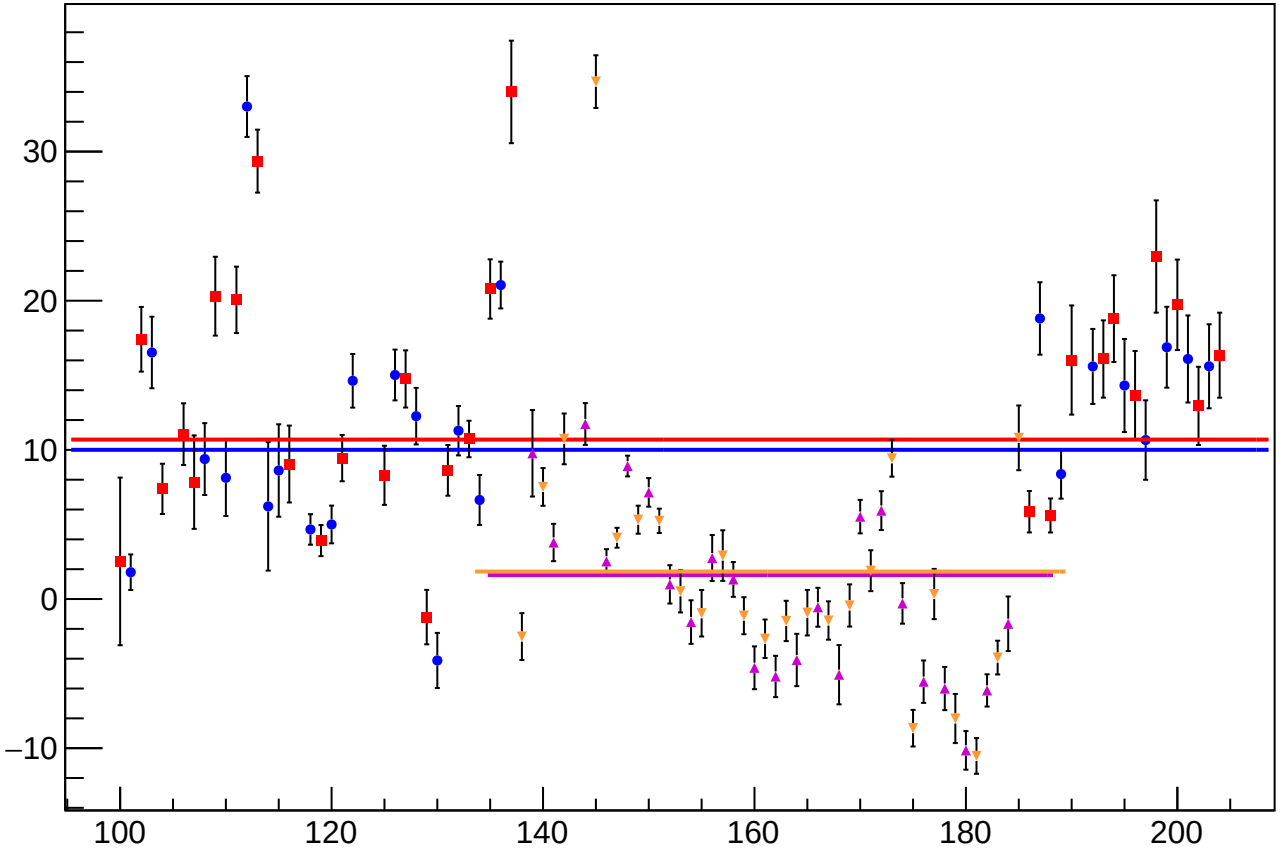
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.198+/-0.252 χ^2/NDF: 5855.5/47

All: -70.707+/-0.174 χ^2/NDF: 12887.7/98

- sign -72.085+/-0.241 χ^2/NDF: 6963.6/50

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 10.004+/-0.382 χ^2/NDF: 391.8/23

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.690+/-0.369 χ^2/NDF: 361.9/27

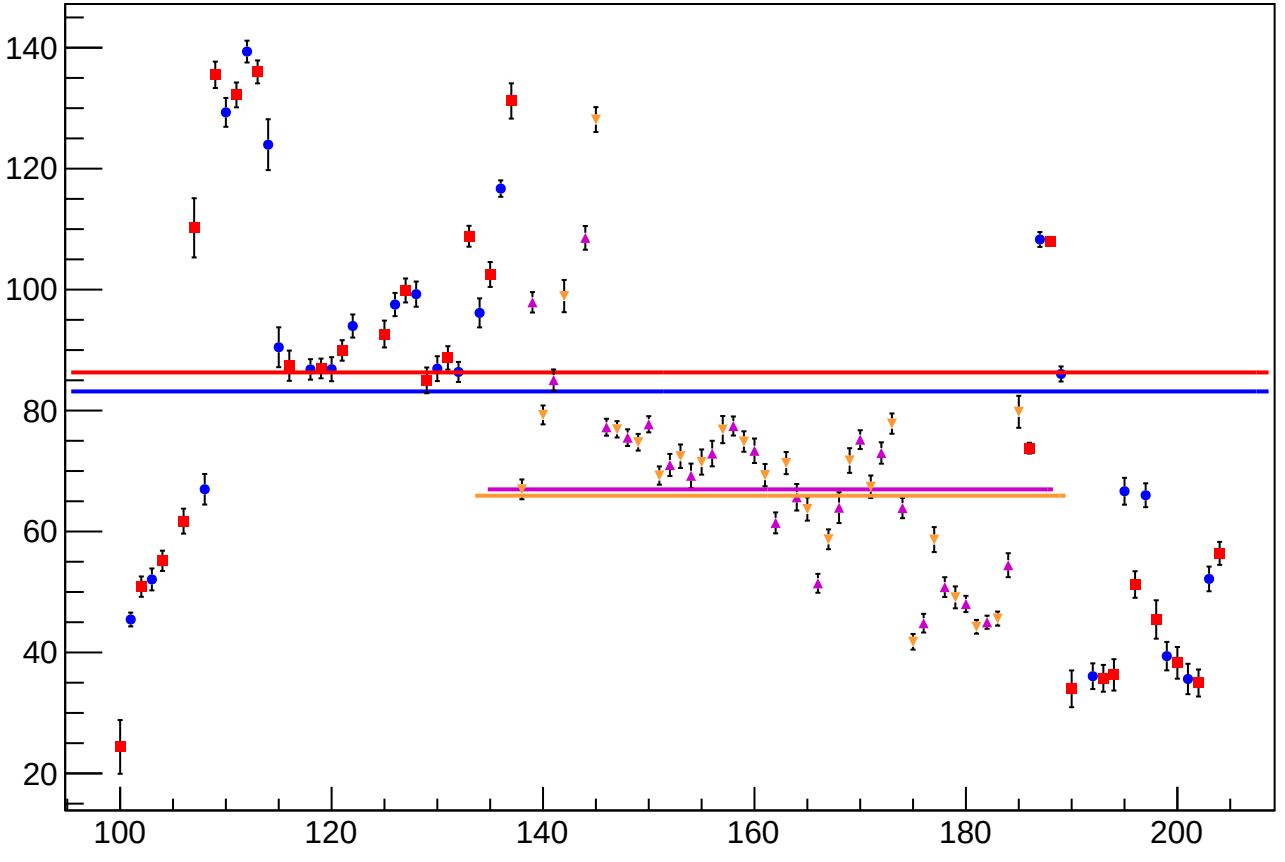
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

+ sign 4.350+/-0.212 χ^2/NDF: 1489.5/47

All: 4.474+/-0.150 χ^2/NDF: 2755.7/98

- sign 4.597+/-0.212 χ^2/NDF: 1265.6/50

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 83.162+/-0.375 χ^2/NDF: 5653.5/23

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 86.303+/-0.330 χ^2/NDF: 7351.6/27

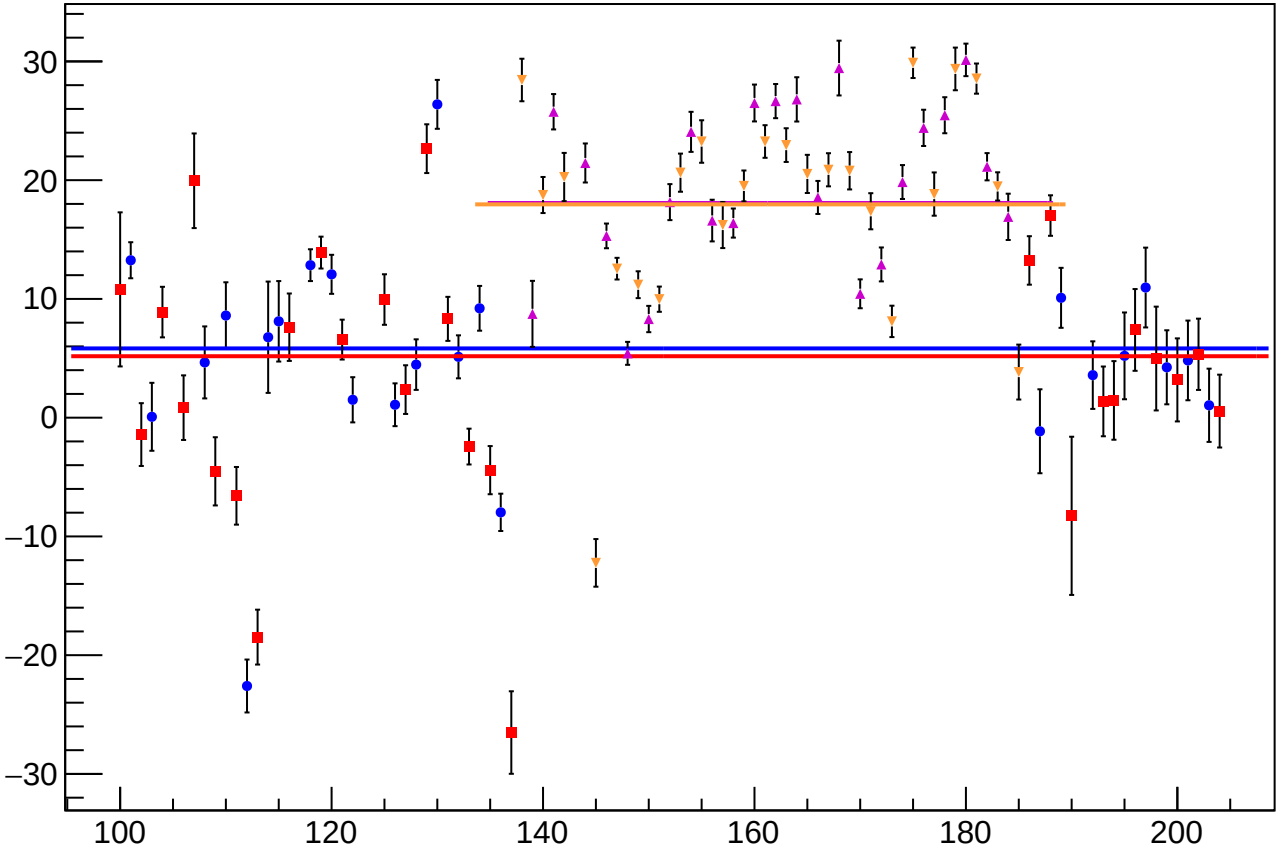
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 73.721+/-0.252 χ^2/NDF: 9368.4/47

All: 75.435+/-0.173 χ^2/NDF: 20688.1/98

- sign 76.955+/-0.237 χ^2/NDF: 11232.4/50

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.831+/-0.451 χ^2/NDF: 439.3/23

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.175+/-0.443 χ^2/NDF: 496.7/27

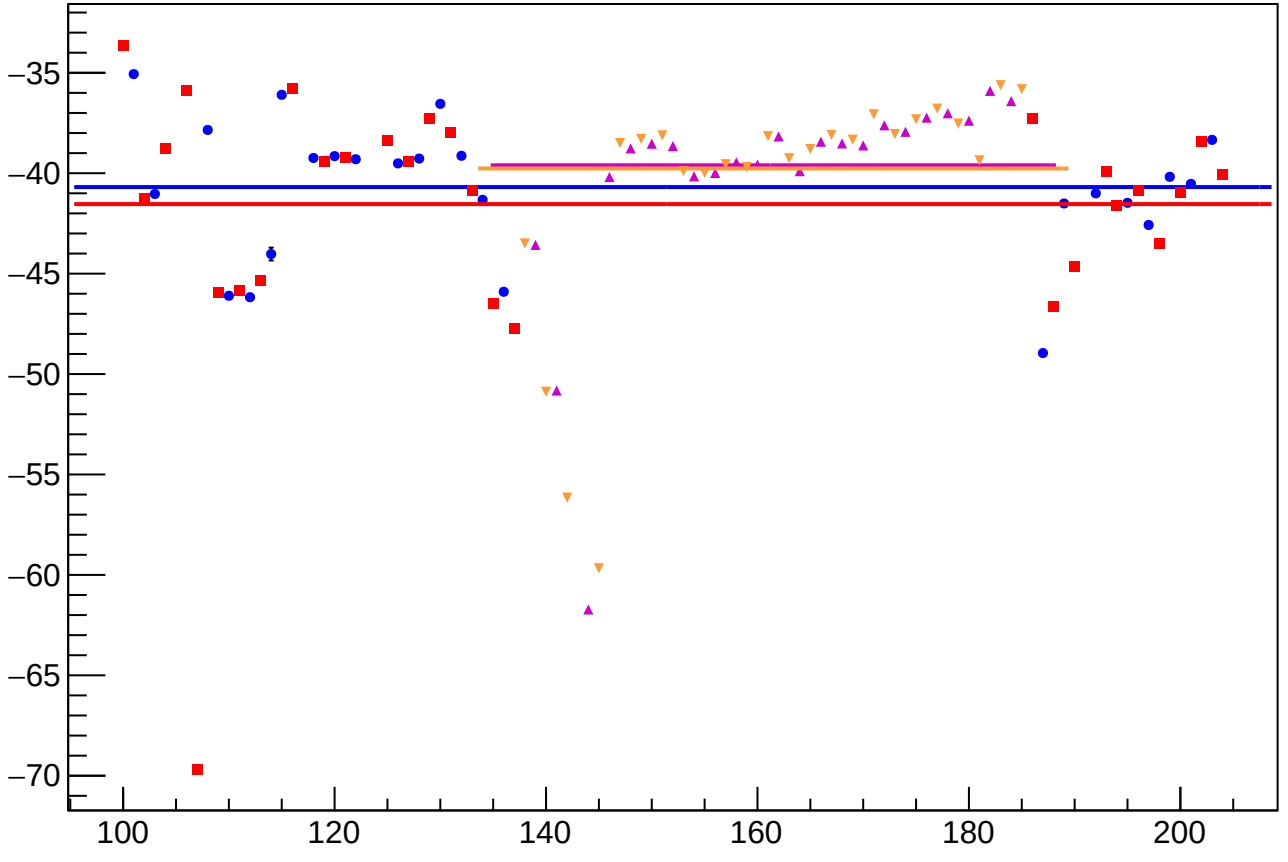
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.385+/-0.245 χ^2/NDF: 1680.7/47

All: 14.251+/-0.173 χ^2/NDF: 3371.4/98

- sign 14.116+/-0.245 χ^2/NDF: 1690.1/50

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.689+/-0.023 χ^2/NDF: 20790.4/23

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.537+/-0.022 χ^2/NDF: 43270.0/27

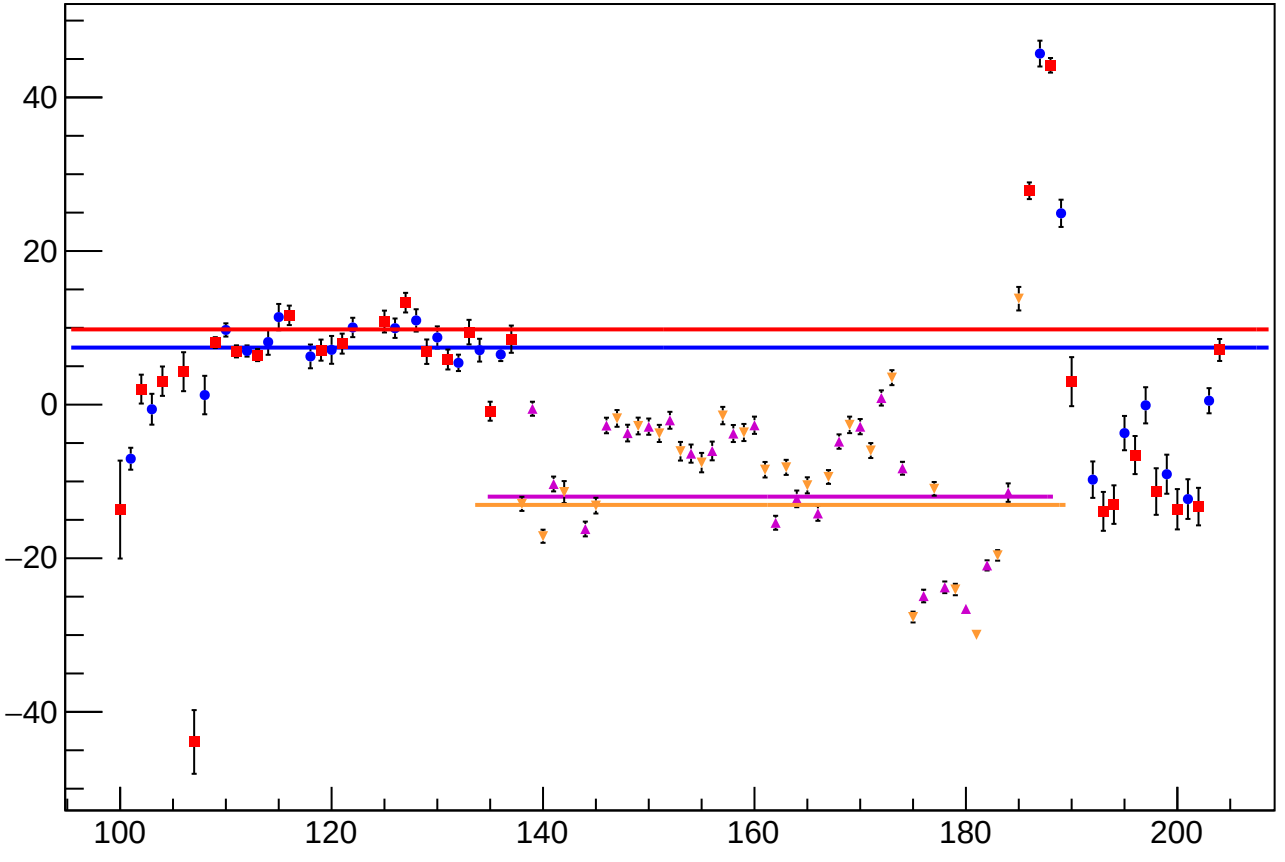
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -40.006+/-0.012 χ^2/NDF: 151912.7/47

All: -40.064+/-0.008 χ^2/NDF: 307422.7/98

- sign -40.120+/-0.011 χ^2/NDF: 155460.9/50

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.428+/-0.284 χ^2/NDF: 979.1/23

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.796+/-0.261 χ^2/NDF: 2379.0/27

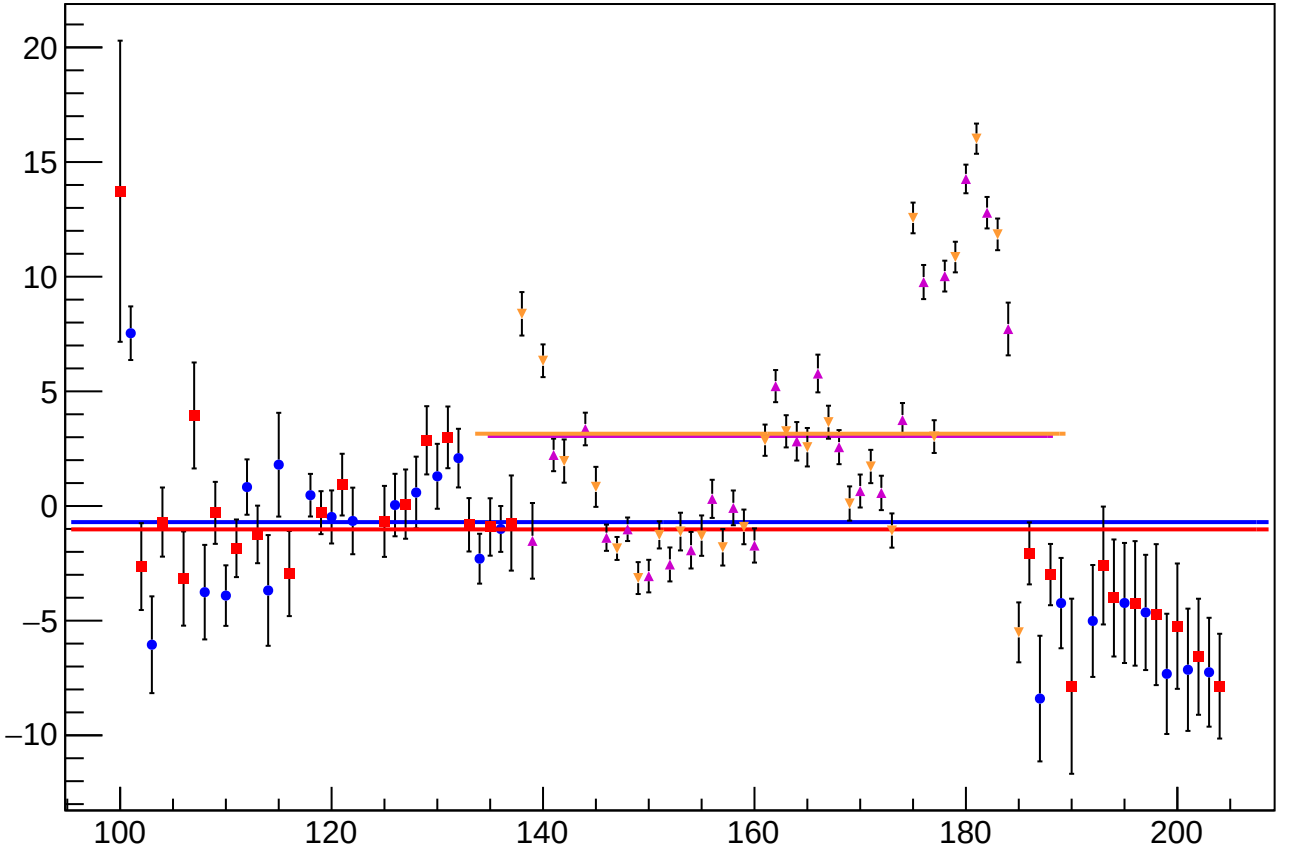
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -6.606+/-0.160 χ^2/NDF: 7401.2/47

All: -5.354+/-0.112 χ^2/NDF: 16537.5/98

- sign -4.151+/-0.156 χ^2/NDF: 9015.5/50

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.702+/-0.310 χ^2/NDF: 118.4/23

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.020+/-0.307 χ^2/NDF: 59.2/27

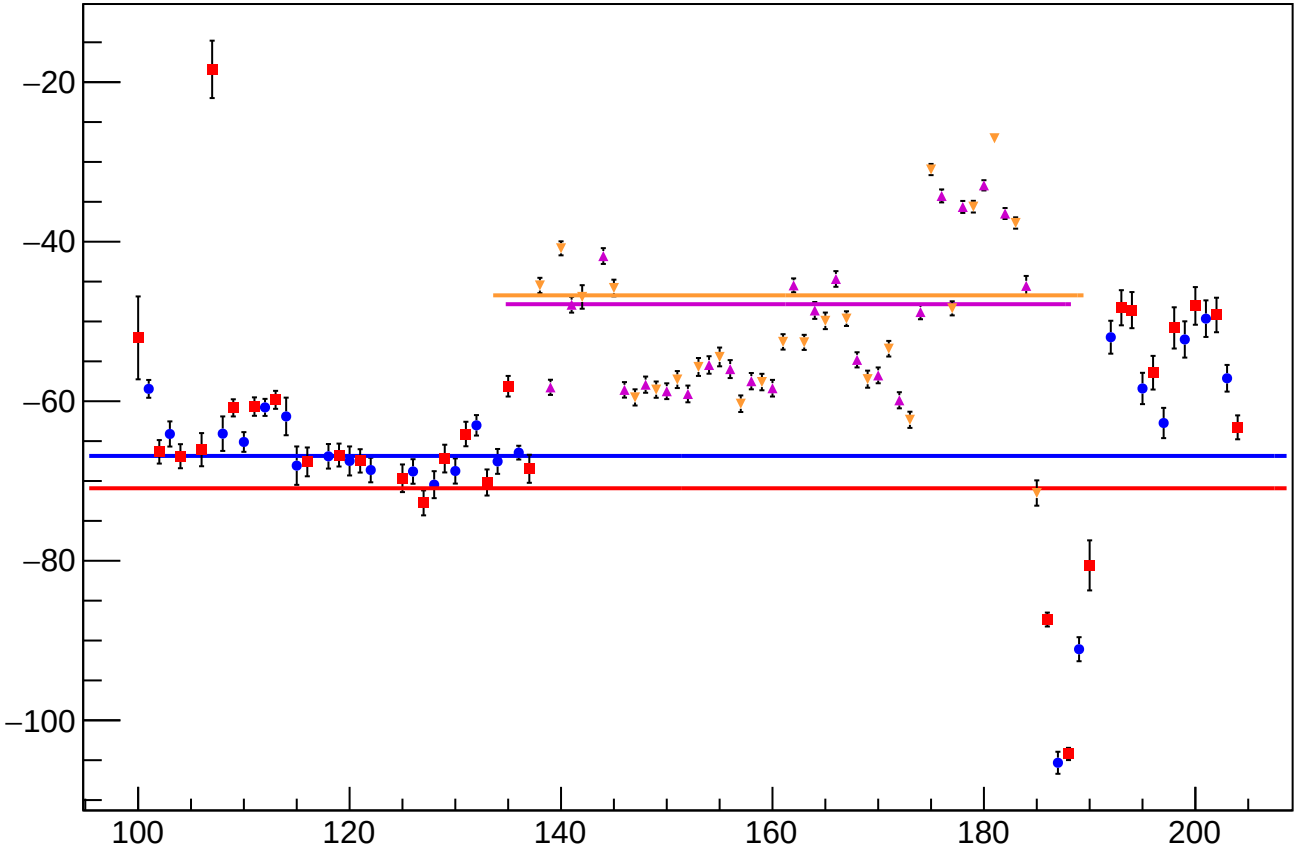
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.427+/-0.134 χ^2/NDF: 1629.3/47

All: 2.340+/-0.096 χ^2/NDF: 2976.1/98

- sign 2.251+/-0.136 χ^2/NDF: 1345.9/50

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -66.857+/-0.309 χ^2/NDF: 1359.5/23

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.910+/-0.284 χ^2/NDF: 3442.1/27

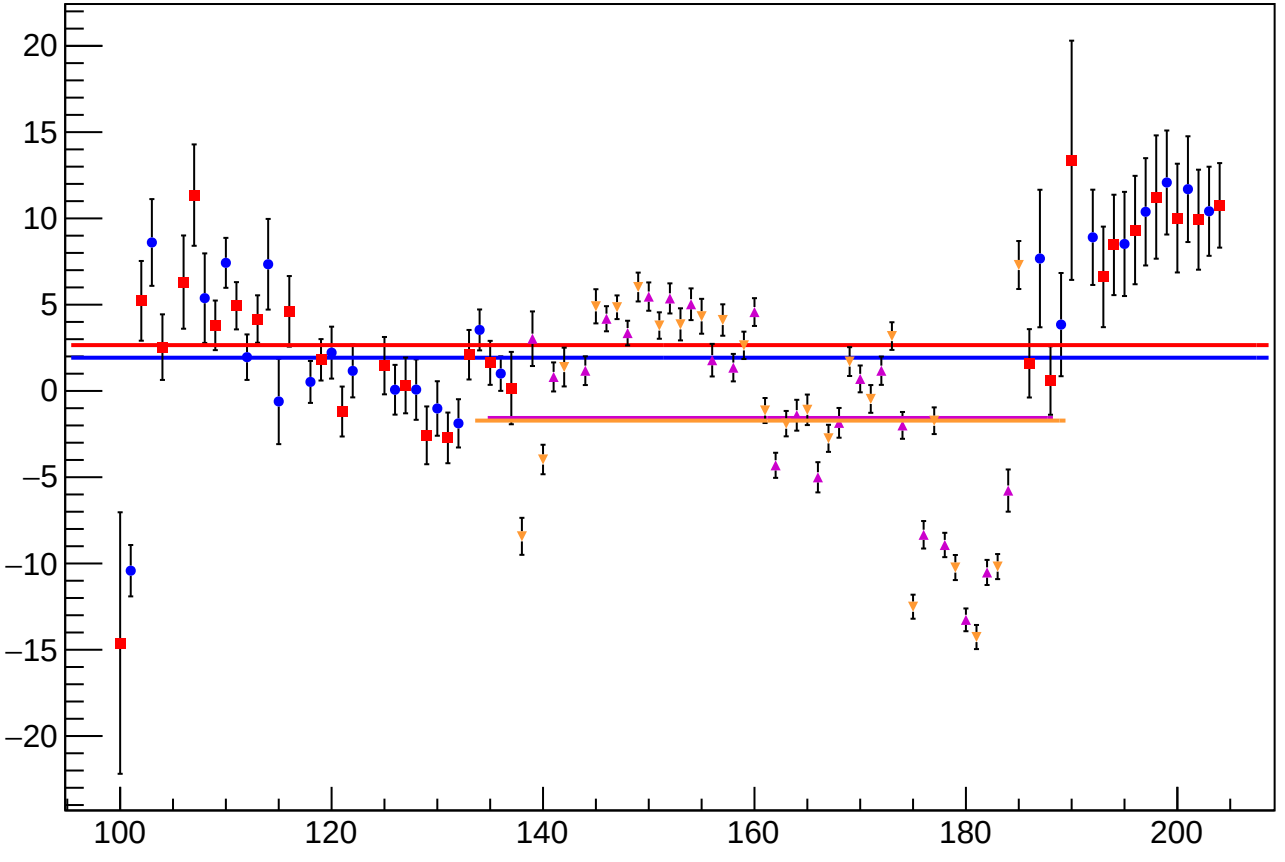
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -52.307+/-0.163 χ^2/NDF: 7868.8/47

All: -53.769+/-0.114 χ^2/NDF: 18538.8/98

- sign -55.182+/-0.160 χ^2/NDF: 10511.4/50

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.926+/-0.354 χ^2/NDF: 168.6/23

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 2.656+/-0.355 χ^2/NDF: 100.6/27

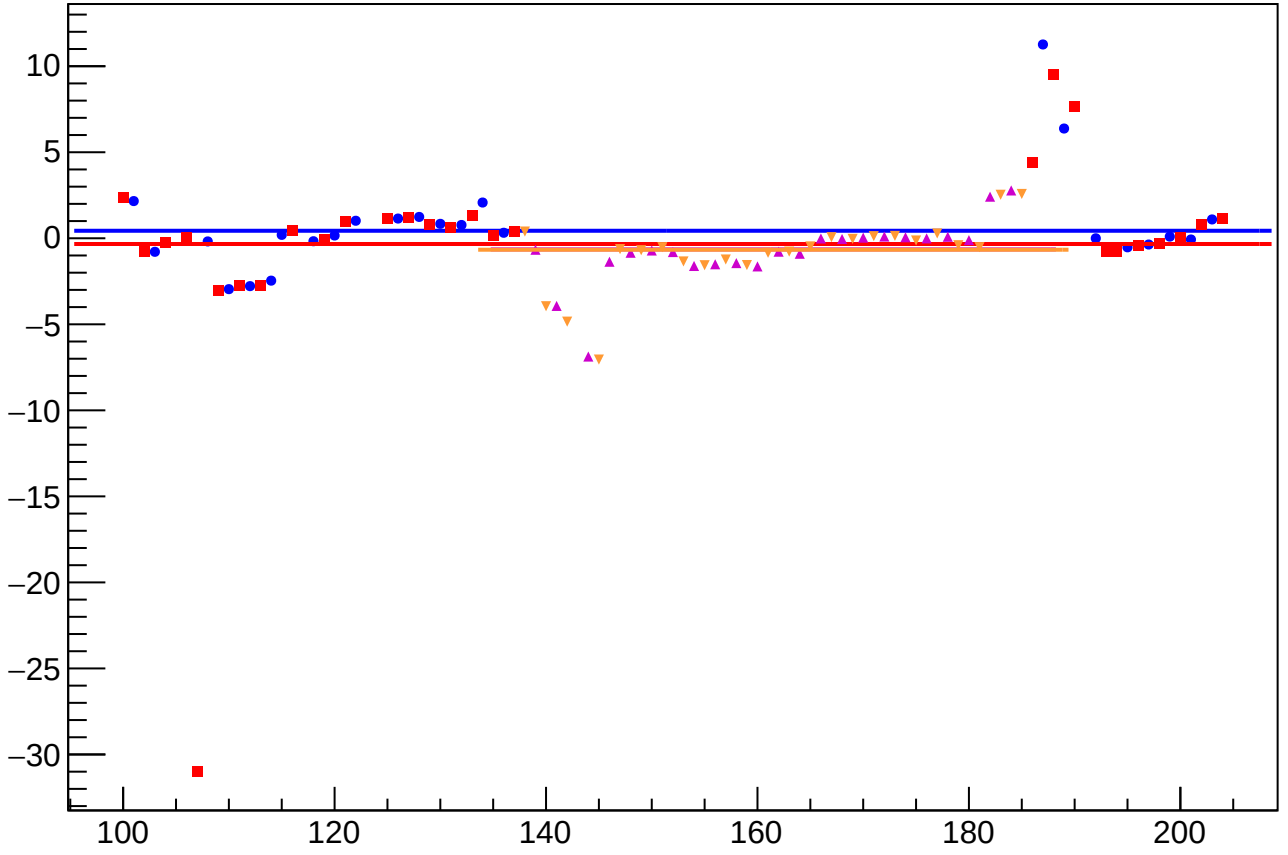
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

\+ sign -1.050+/-0.152 χ^2/NDF: 1661.2/47

All: -0.915+/-0.108 χ^2/NDF: 2995.9/98

\- sign -0.776+/-0.154 χ^2/NDF: 1333.1/50

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.437+/-0.018 χ^2/NDF: 9709.4/23

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.333+/-0.018 χ^2/NDF: 60333.8/27

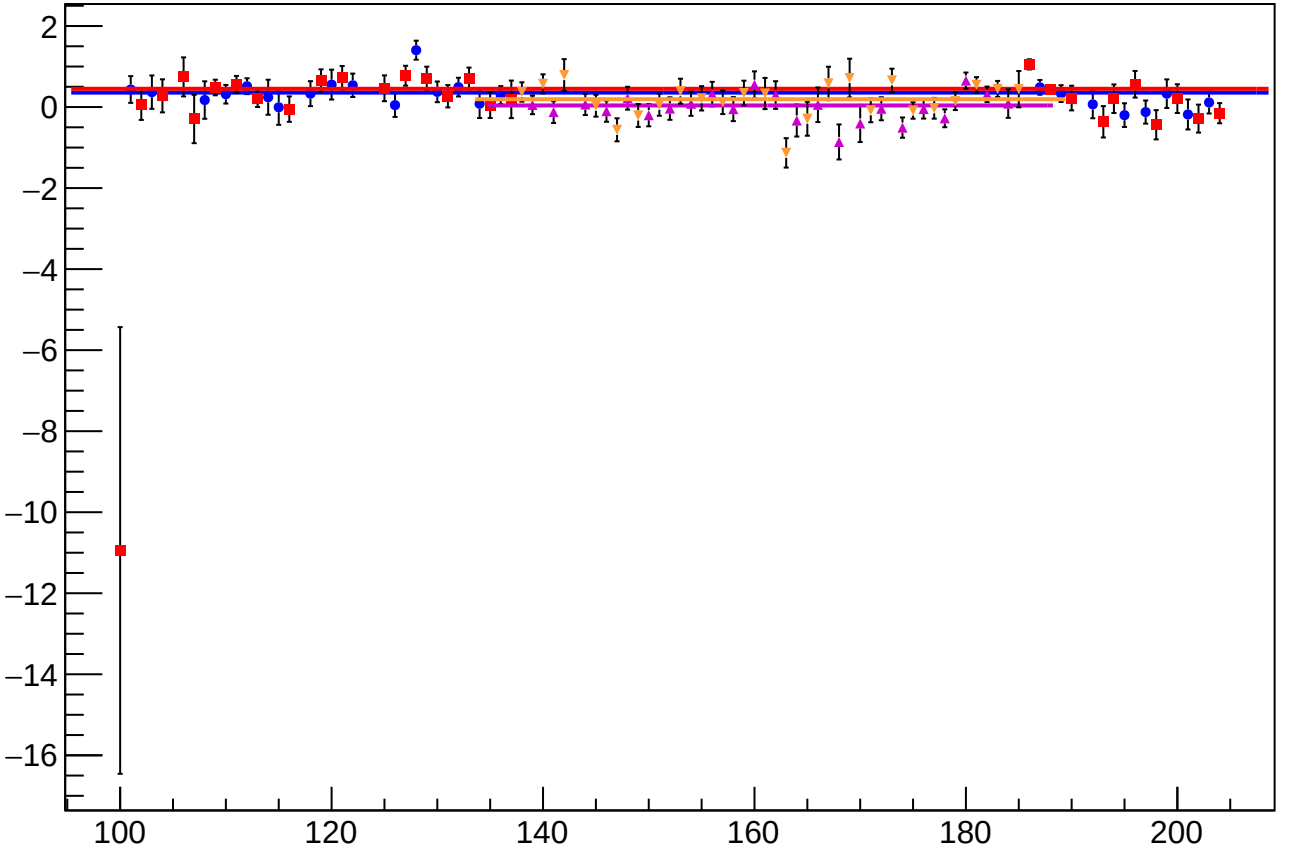
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.504+/-0.007 χ^2/NDF: 68144.7/47

All: -0.552+/-0.005 χ^2/NDF: 174396.0/98

- sign -0.600+/-0.007 χ^2/NDF: 106155.3/50

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.356+/-0.057 χ^2/NDF: 35.1/23

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.451+/-0.048 χ^2/NDF: 63.9/27

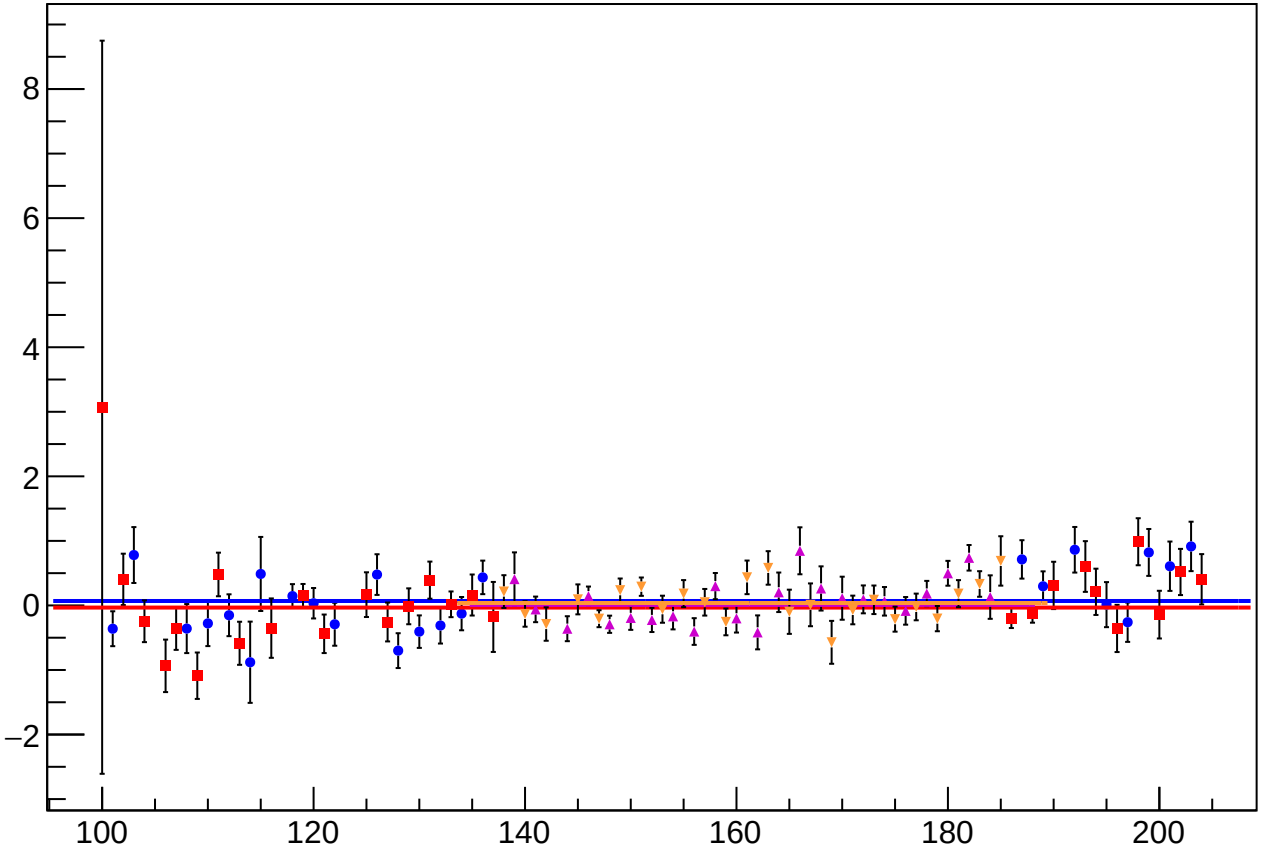
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.275+/-0.040 χ^2/NDF: 83.3/47

All: 0.279+/-0.027 χ^2/NDF: 208.0/98

- sign 0.283+/-0.037 χ^2/NDF: 124.6/50

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.069+/-0.061 χ^2/NDF: 52.9/23

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.033+/-0.055 χ^2/NDF: 46.1/27

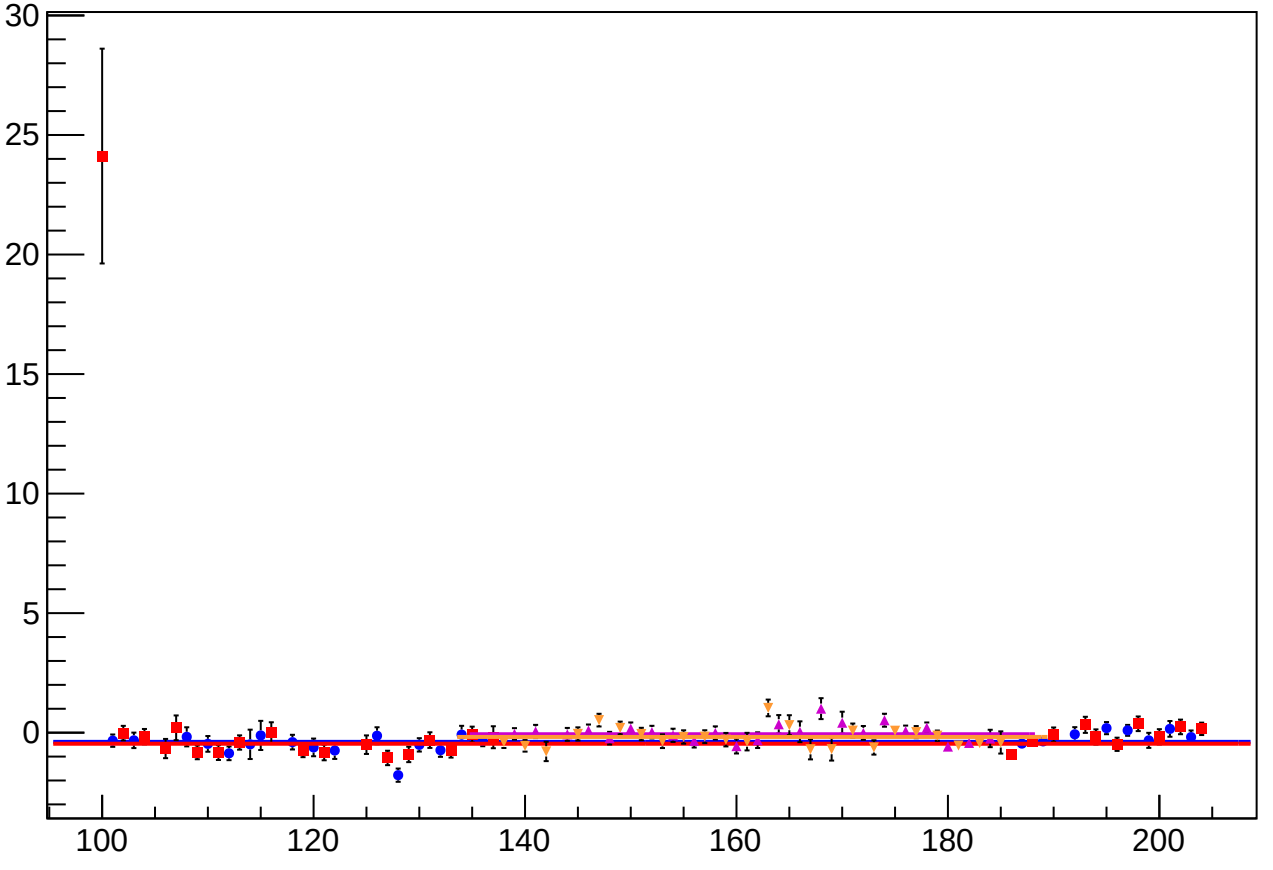
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.048+/-0.035 χ^2/NDF: 85.9/47

All: 0.019+/-0.025 χ^2/NDF: 185.0/98

- sign -0.008+/-0.034 χ^2/NDF: 97.8/50

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.385+/-0.056 χ^2/NDF: 47.3/23

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.463+/-0.045 χ^2/NDF: 96.2/27

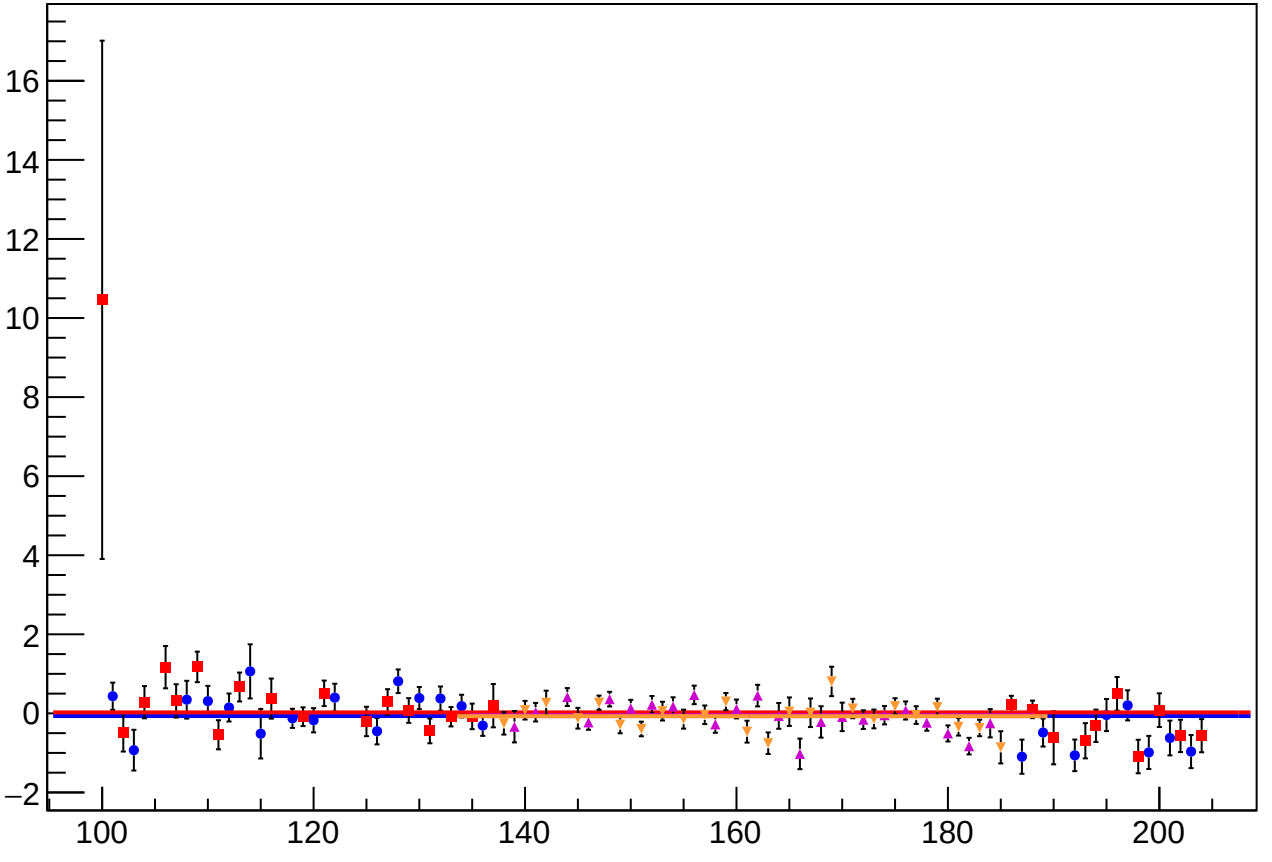
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.281+/-0.040 χ^2/NDF: 96.2/47

All: -0.296+/-0.027 χ^2/NDF: 253.7/98

- sign -0.308+/-0.036 χ^2/NDF: 157.3/50

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.067+/-0.072 χ^2/NDF: 53.3/23

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.025+/-0.067 χ^2/NDF: 47.3/27

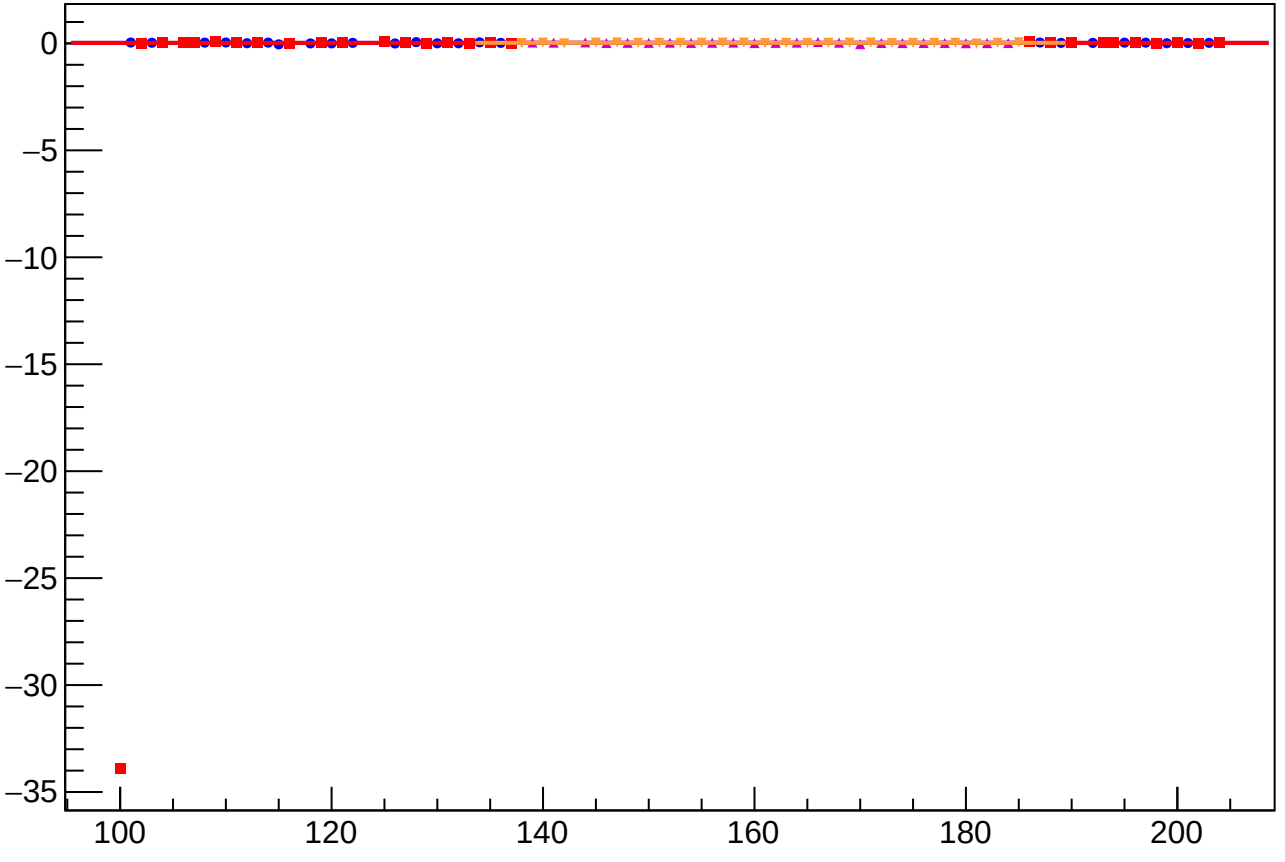
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.070+/-0.041 χ^2/NDF: 91.0/47

All: -0.046+/-0.029 χ^2/NDF: 190.3/98

- sign -0.022+/-0.040 χ^2/NDF: 98.5/50

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.026+/-0.003 χ^2/NDF: 19.2/23

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.024+/-0.003 χ^2/NDF: 22309.7/27

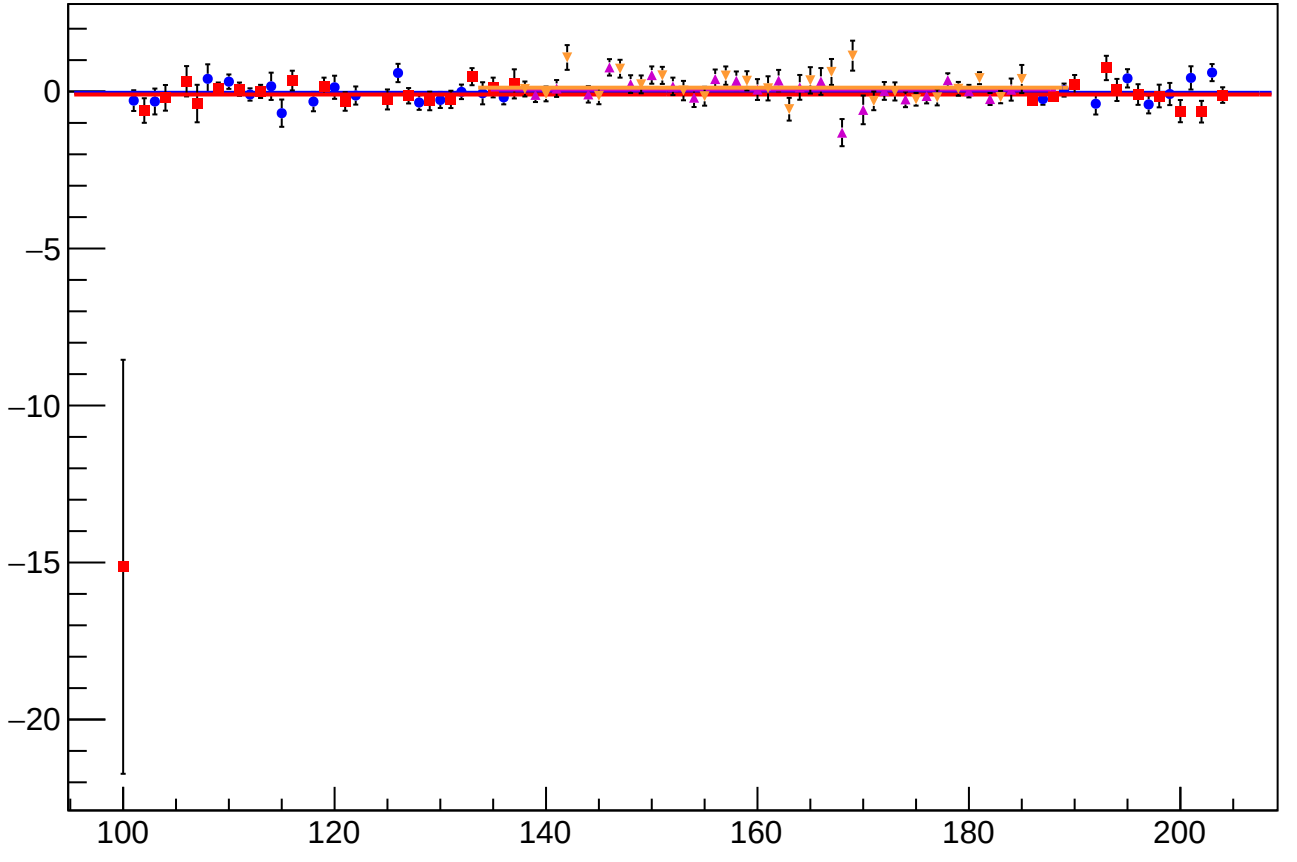
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.026+/-0.002 χ^2/NDF: 50.6/47

All: 0.026+/-0.001 χ^2/NDF: 22400.4/98

- sign 0.025+/-0.002 χ^2/NDF: 22349.7/50

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.041+/-0.057 χ^2/NDF: 29.5/23

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.095+/-0.048 χ^2/NDF: 33.5/27

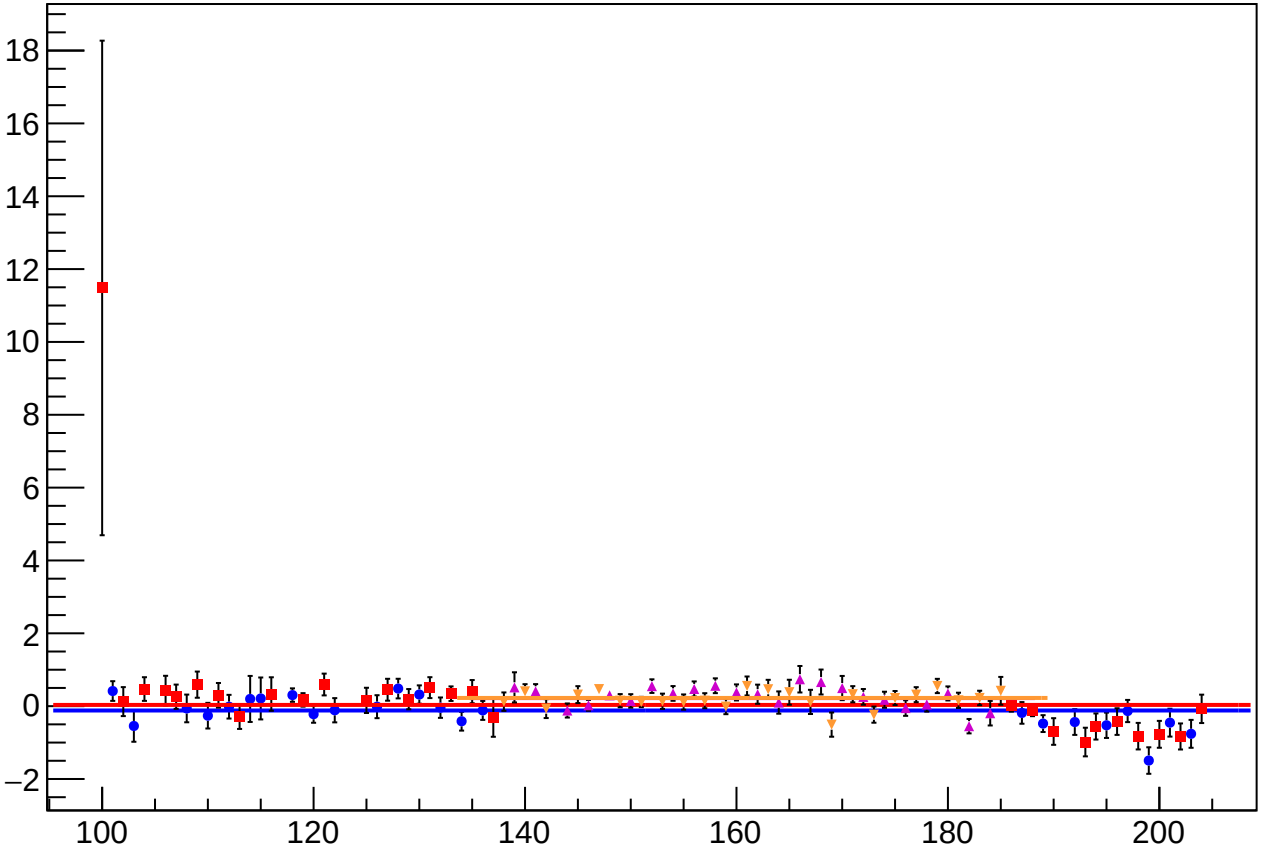
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.040+/-0.040 χ^2/NDF: 73.3/47

All: 0.002+/-0.027 χ^2/NDF: 147.2/98

- sign -0.030+/-0.037 χ^2/NDF: 72.2/50

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.119+/-0.061 χ^2/NDF: 43.1/23

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.034+/-0.055 χ^2/NDF: 56.2/27

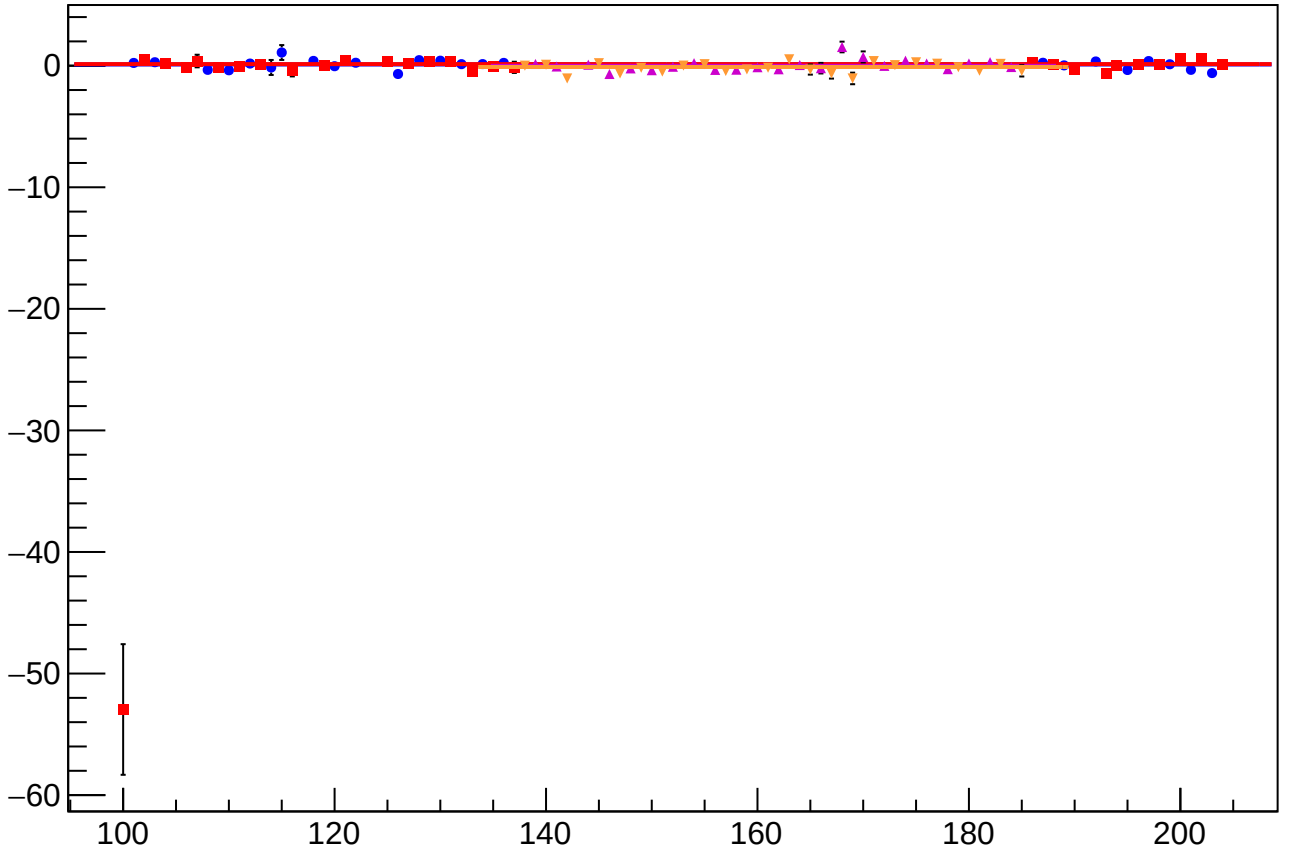
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.111+/-0.035 χ^2/NDF: 88.3/47

All: 0.130+/-0.025 χ^2/NDF: 191.4/98

- sign 0.148+/-0.034 χ^2/NDF: 102.6/50

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.101+/-0.056 χ^2/NDF: 30.9/23

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.132+/-0.045 χ^2/NDF: 122.6/27

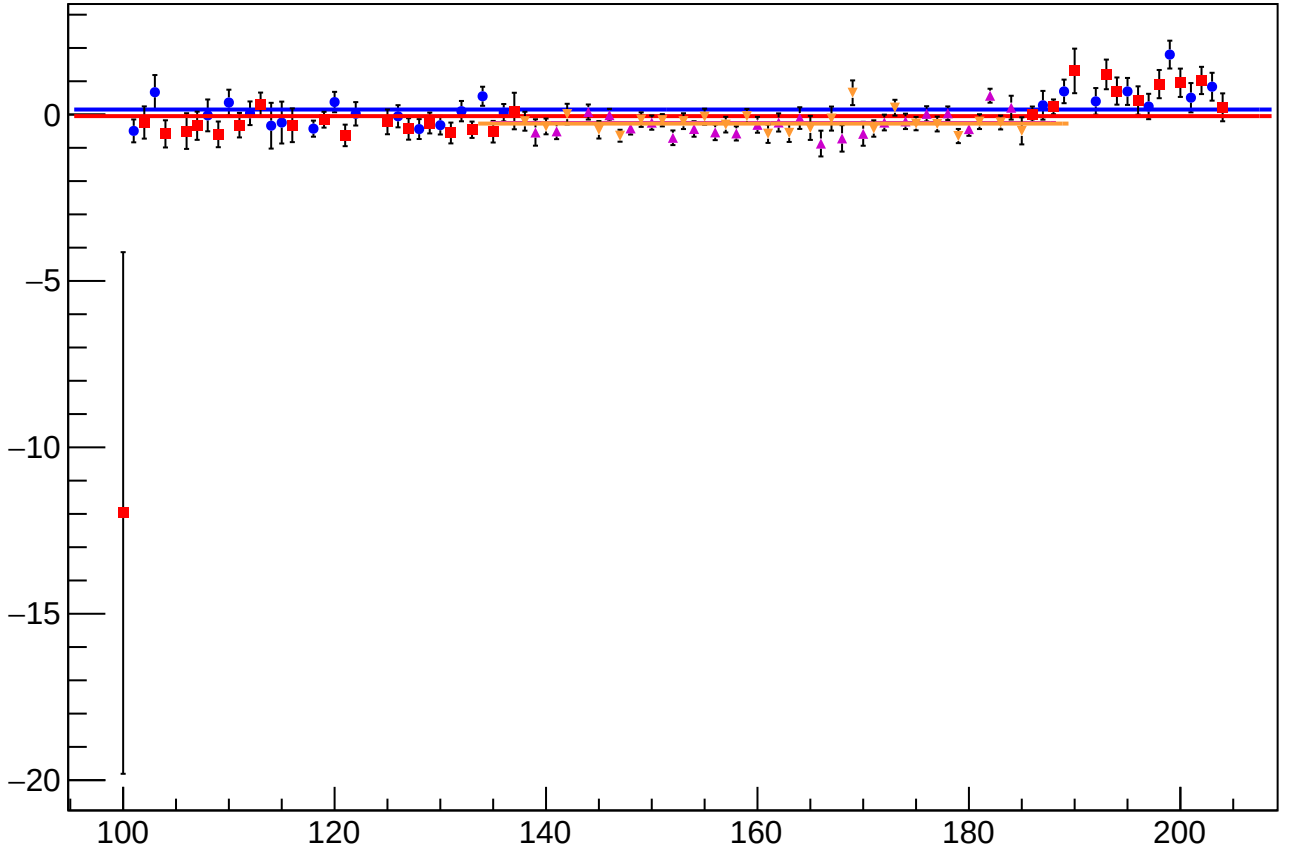
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign -0.002+/-0.040 χ^2/NDF: 75.2/47

All: 0.042+/-0.027 χ^2/NDF: 241.7/98

- sign 0.077+/-0.036 χ^2/NDF: 164.4/50

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.150+/-0.072 χ^2/NDF: 45.0/23

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.048+/-0.067 χ^2/NDF: 58.4/27

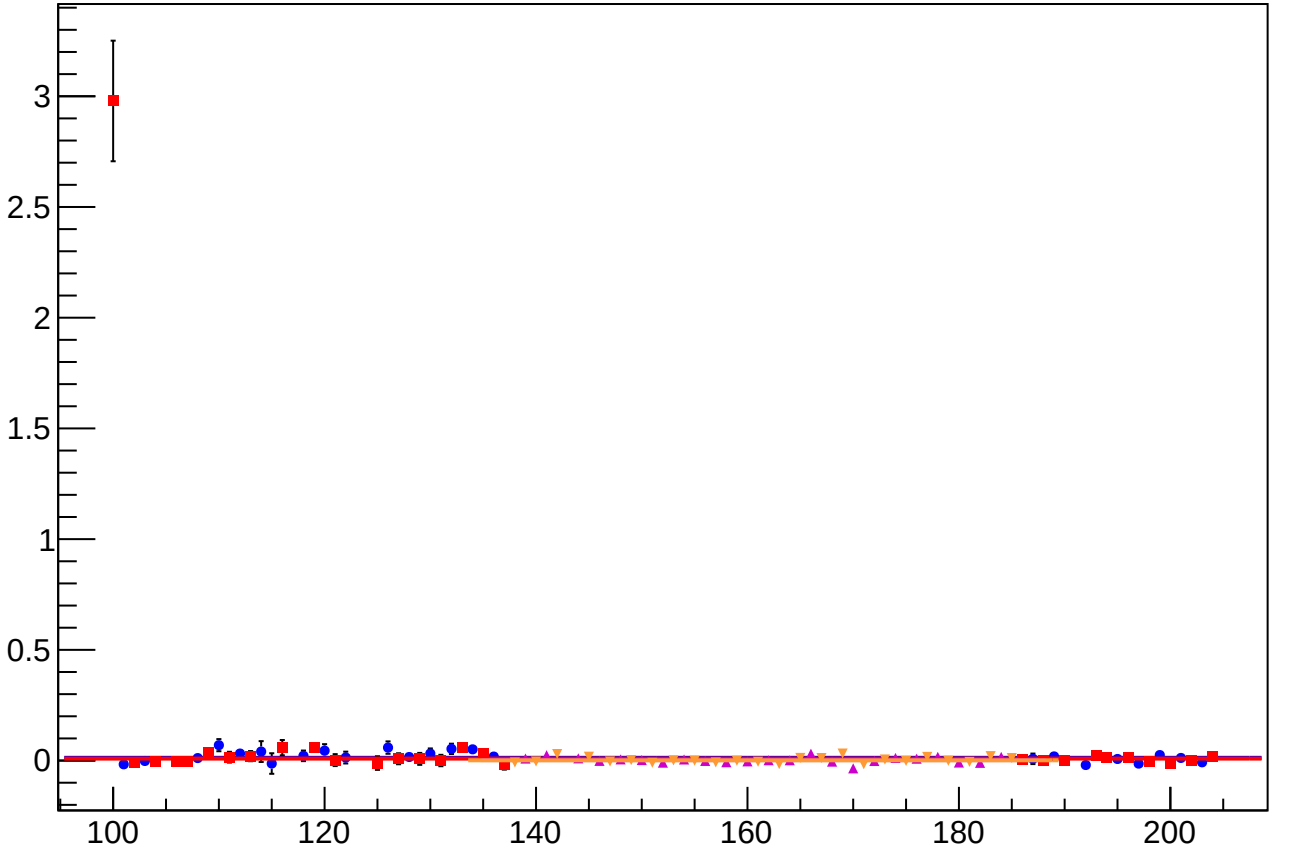
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.138+/-0.041 χ^2/NDF: 93.1/47

All: -0.159+/-0.029 χ^2/NDF: 198.7/98

- sign -0.180+/-0.040 χ^2/NDF: 105.0/50

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.012+/-0.003 χ^2/NDF: 39.7/23

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 149.6/27

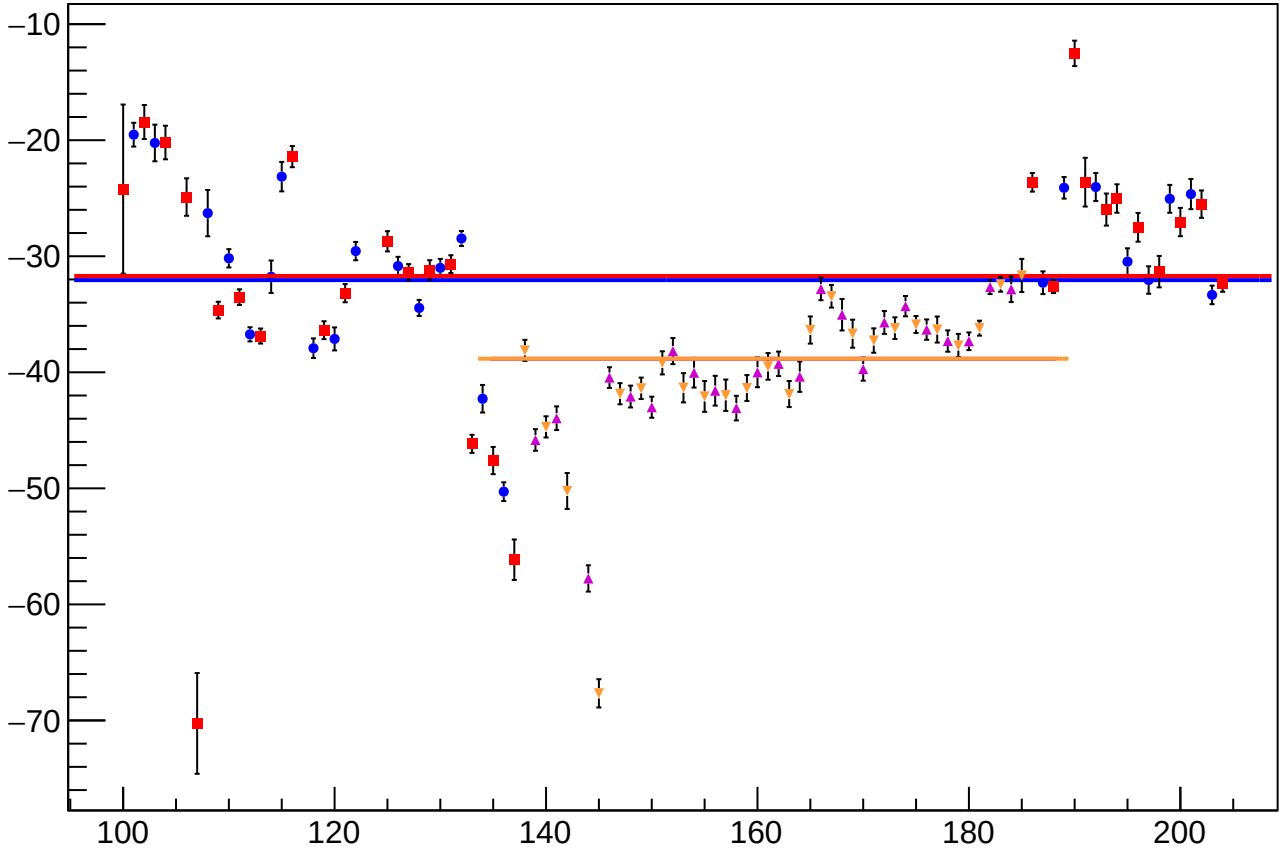
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 74.0/47

All: 0.004+/-0.001 χ^2/NDF: 251.2/98

- sign 0.004+/-0.002 χ^2/NDF: 177.2/50

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -32.058+/-0.188 χ^2/NDF: 1227.4/23

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.699+/-0.173 χ^2/NDF: 1764.8/28

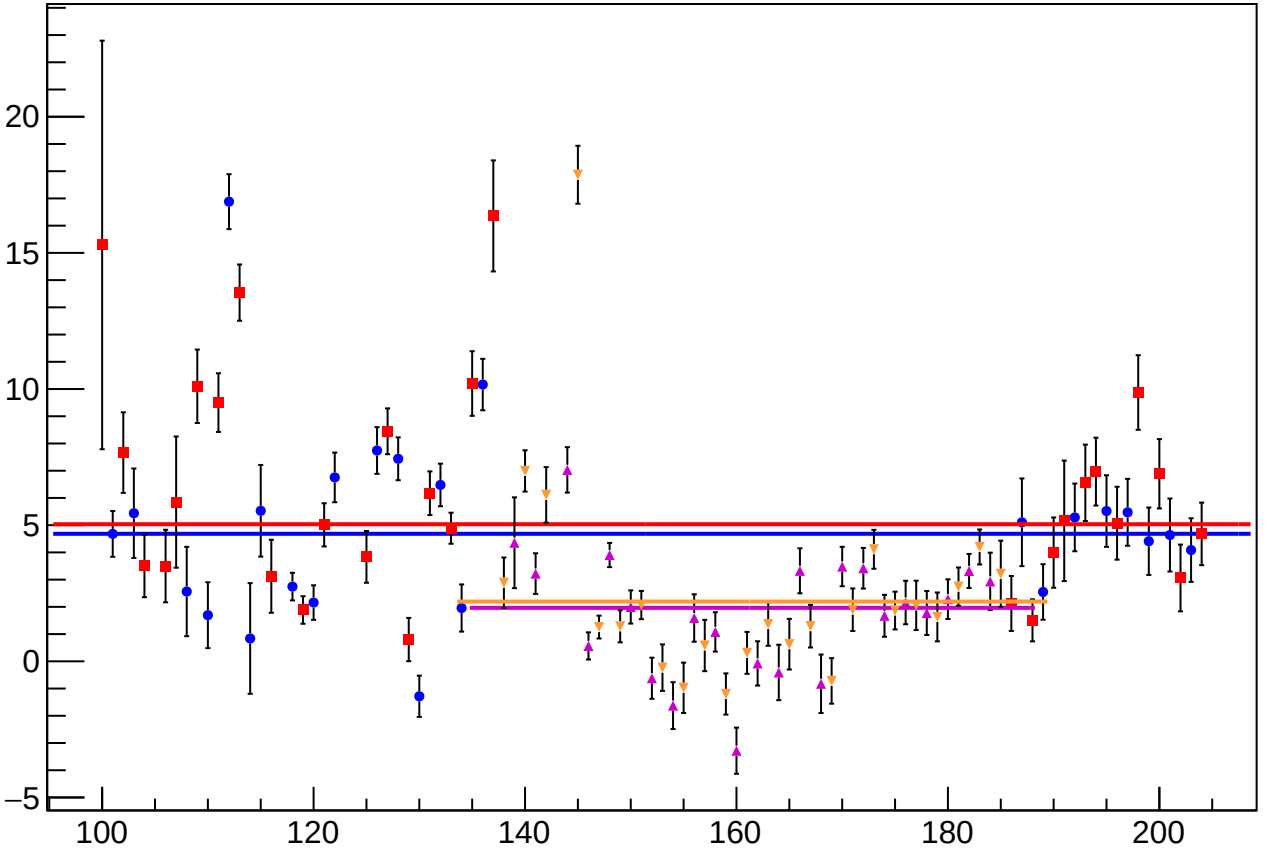
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -35.202+/-0.138 χ^2/NDF: 2745.9/47

All: -34.940+/-0.095 χ^2/NDF: 5884.9/99

- sign -34.700+/-0.132 χ^2/NDF: 3132.1/51

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.684+/-0.196 χ^2/NDF: 335.5/23

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.035+/-0.190 χ^2/NDF: 297.1/28

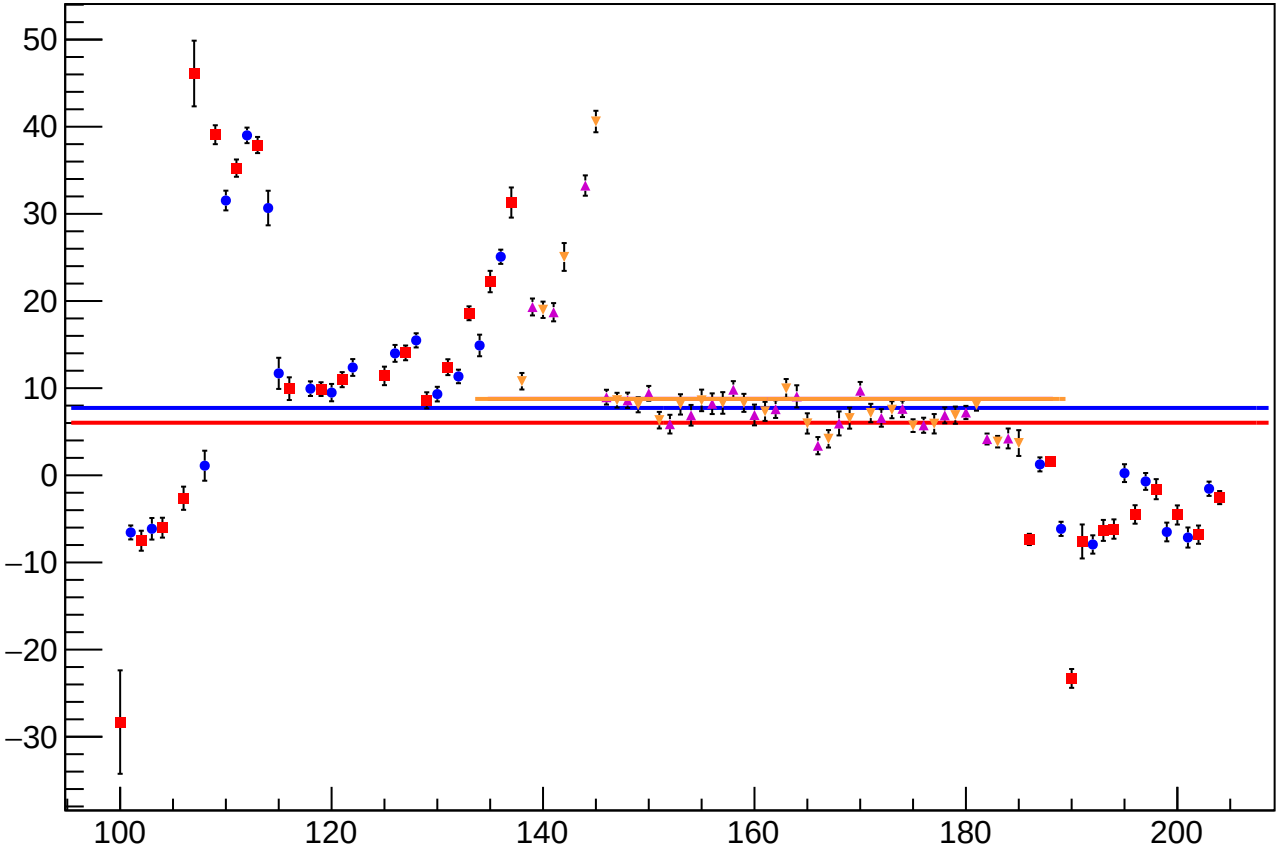
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.130+/-0.120 χ^2/NDF: 801.0/47

All: 3.161+/-0.085 χ^2/NDF: 1428.9/99

- sign 3.191+/-0.120 χ^2/NDF: 627.8/51

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 7.731+/-0.198 χ^2/NDF: 4120.9/23

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 6.033+/-0.179 χ^2/NDF: 6353.8/28

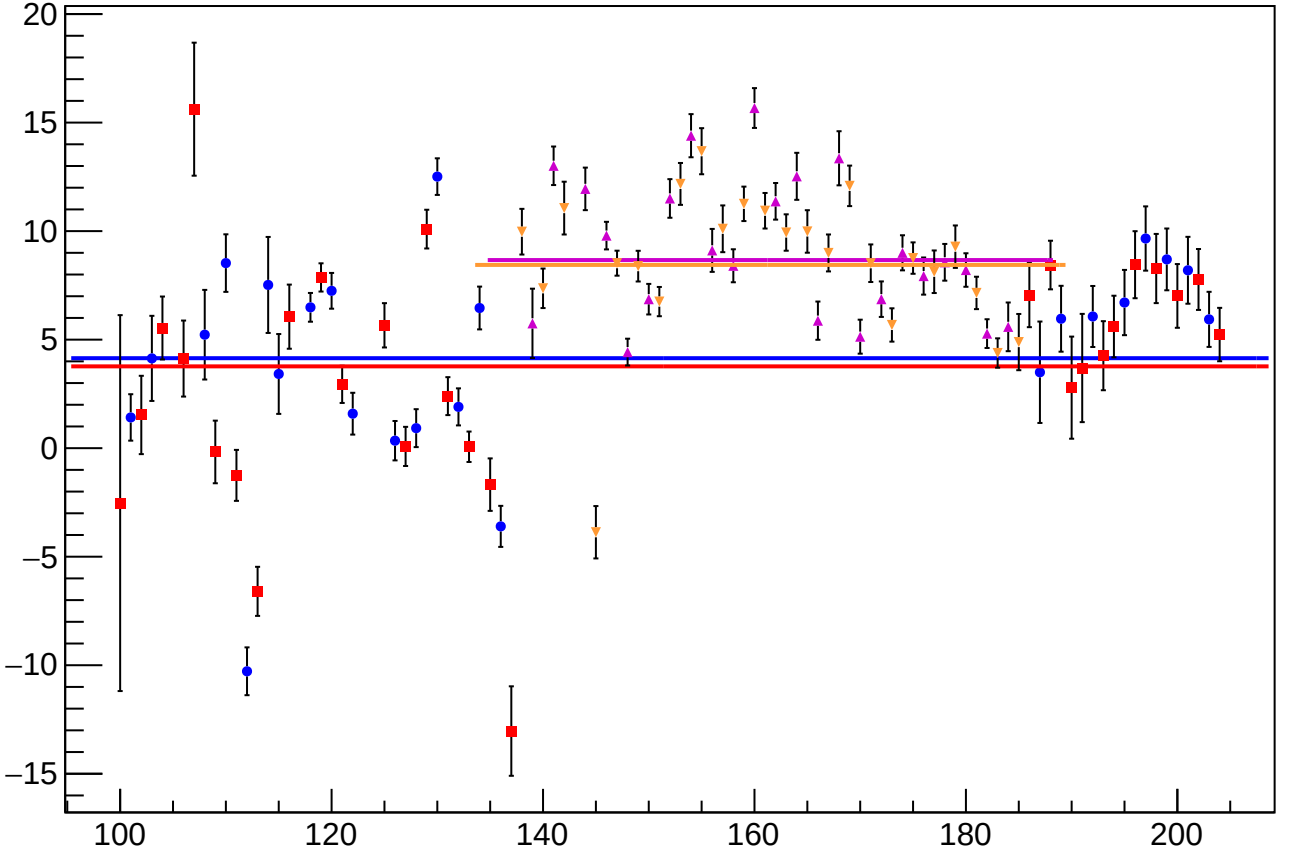
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 8.242+/-0.141 χ^2/NDF: 5169.8/47

All: 7.716+/-0.097 χ^2/NDF: 12448.6/99

- sign 7.241+/-0.134 χ^2/NDF: 7252.3/51

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.146+/-0.229 χ^2/NDF: 473.8/23

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.769+/-0.223 χ^2/NDF: 414.9/28

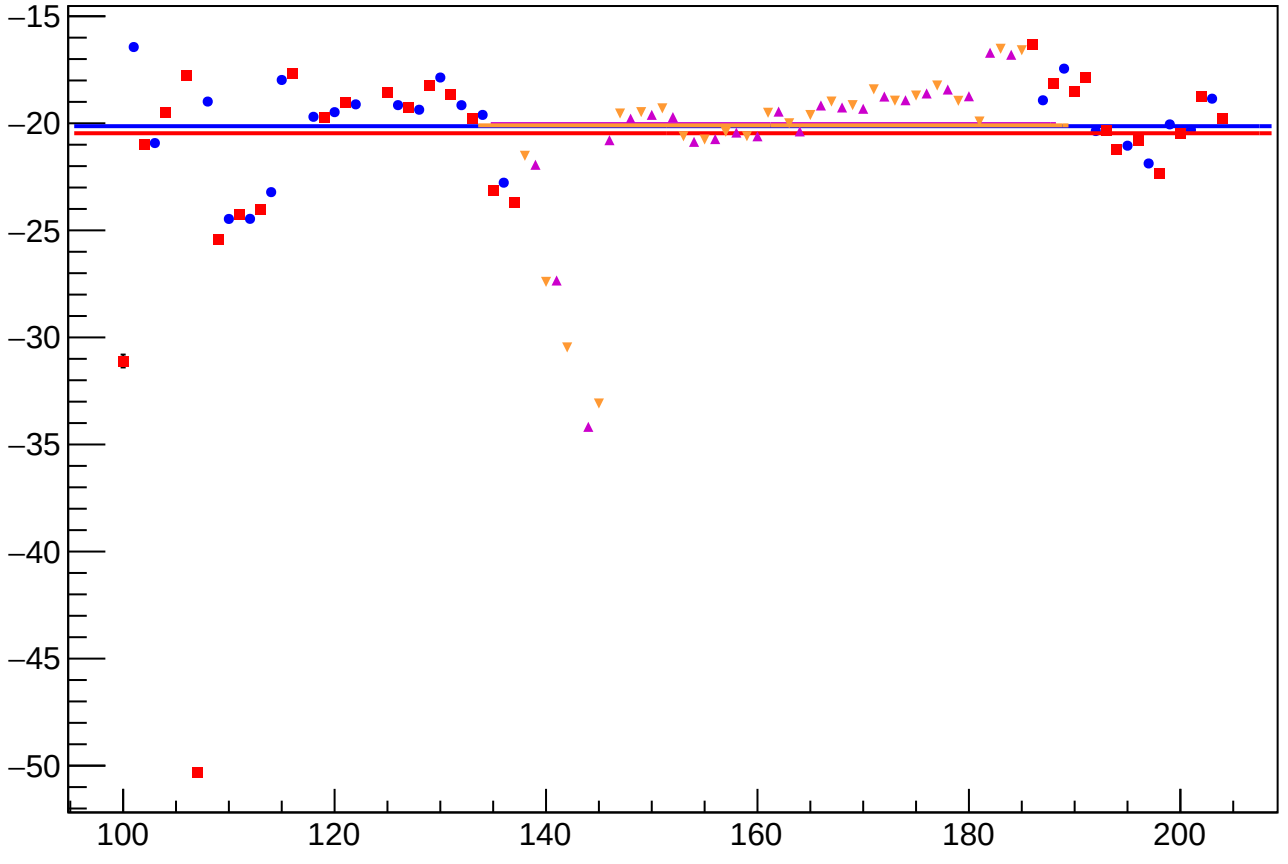
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

+ sign 6.873+/-0.138 χ^2/NDF: 961.9/47

All: 6.834+/-0.098 χ^2/NDF: 1978.7/99

- sign 6.795+/-0.138 χ^2/NDF: 1016.7/51

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.135+/-0.012 χ^2/NDF: 24479.6/23

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.464+/-0.011 χ^2/NDF: 68361.9/28

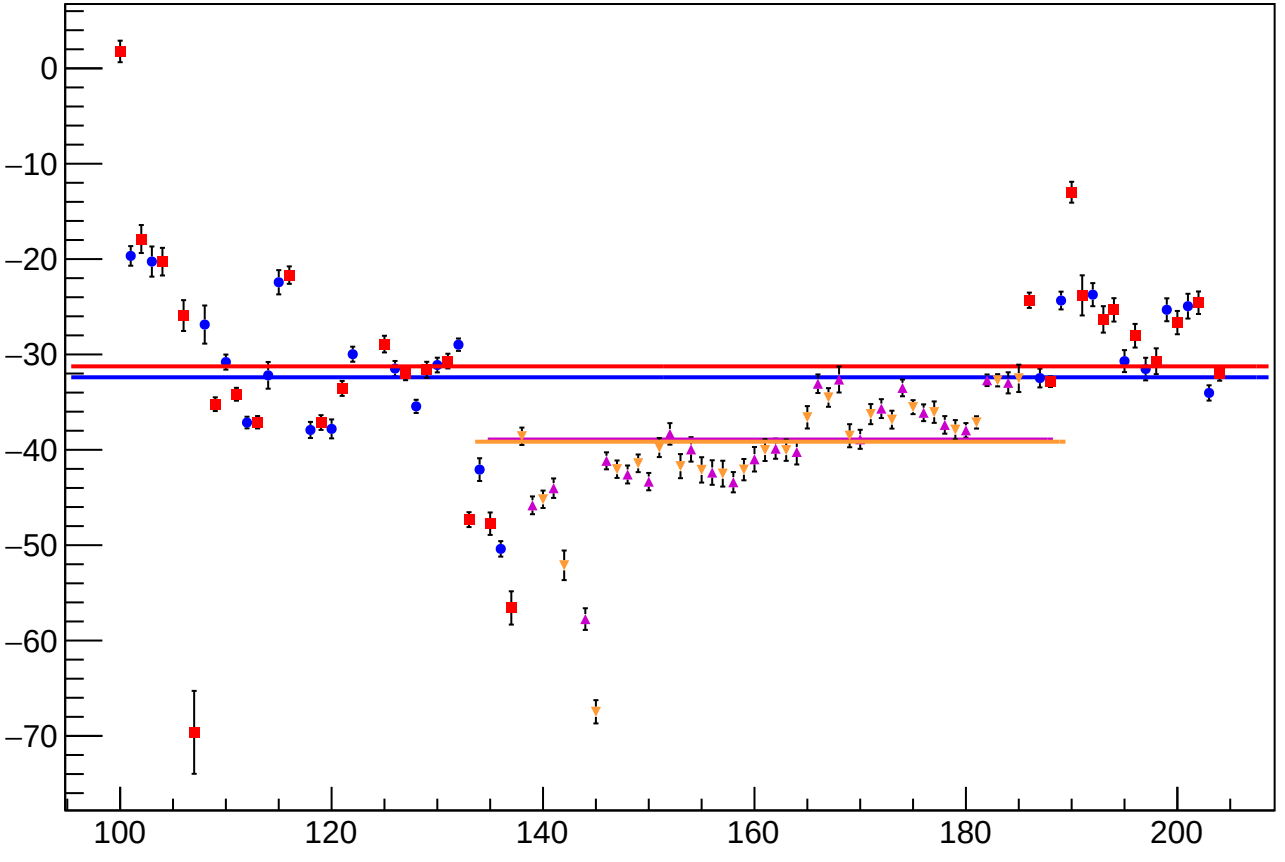
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.108+/-0.007 χ^2/NDF: 183780.1/47

All: -20.144+/-0.005 χ^2/NDF: 385461.6/99

- sign -20.179+/-0.006 χ^2/NDF: 201622.5/51

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -32.395+/-0.189 χ^2/NDF: 1235.9/23

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.250+/-0.172 χ^2/NDF: 2696.6/28

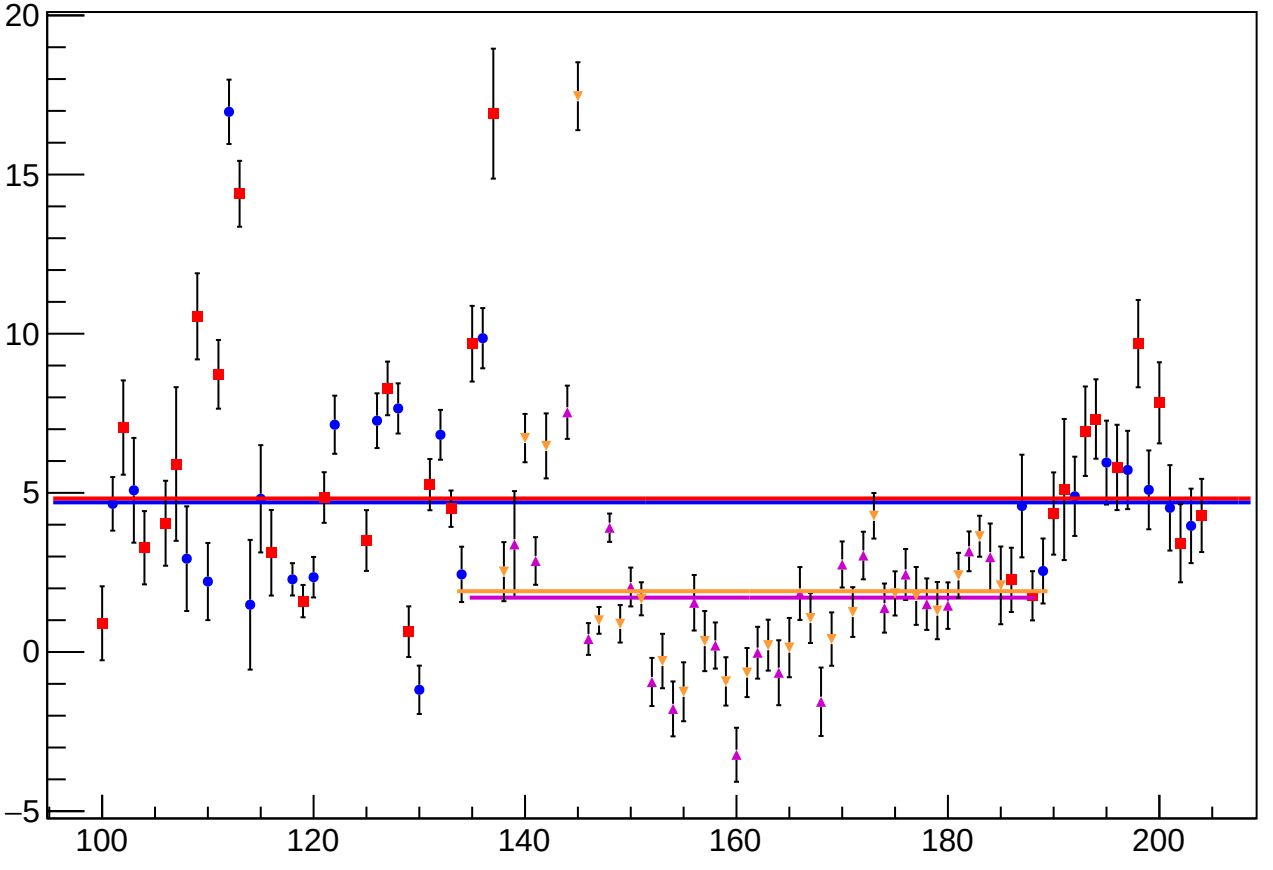
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -35.531+/-0.138 χ^2/NDF: 2730.7/47

All: -34.954+/-0.095 χ^2/NDF: 6974.4/99

- sign -34.432+/-0.131 χ^2/NDF: 4210.4/51

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.701+/-0.197 χ^2/NDF: 332.3/23

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.824+/-0.188 χ^2/NDF: 321.9/28

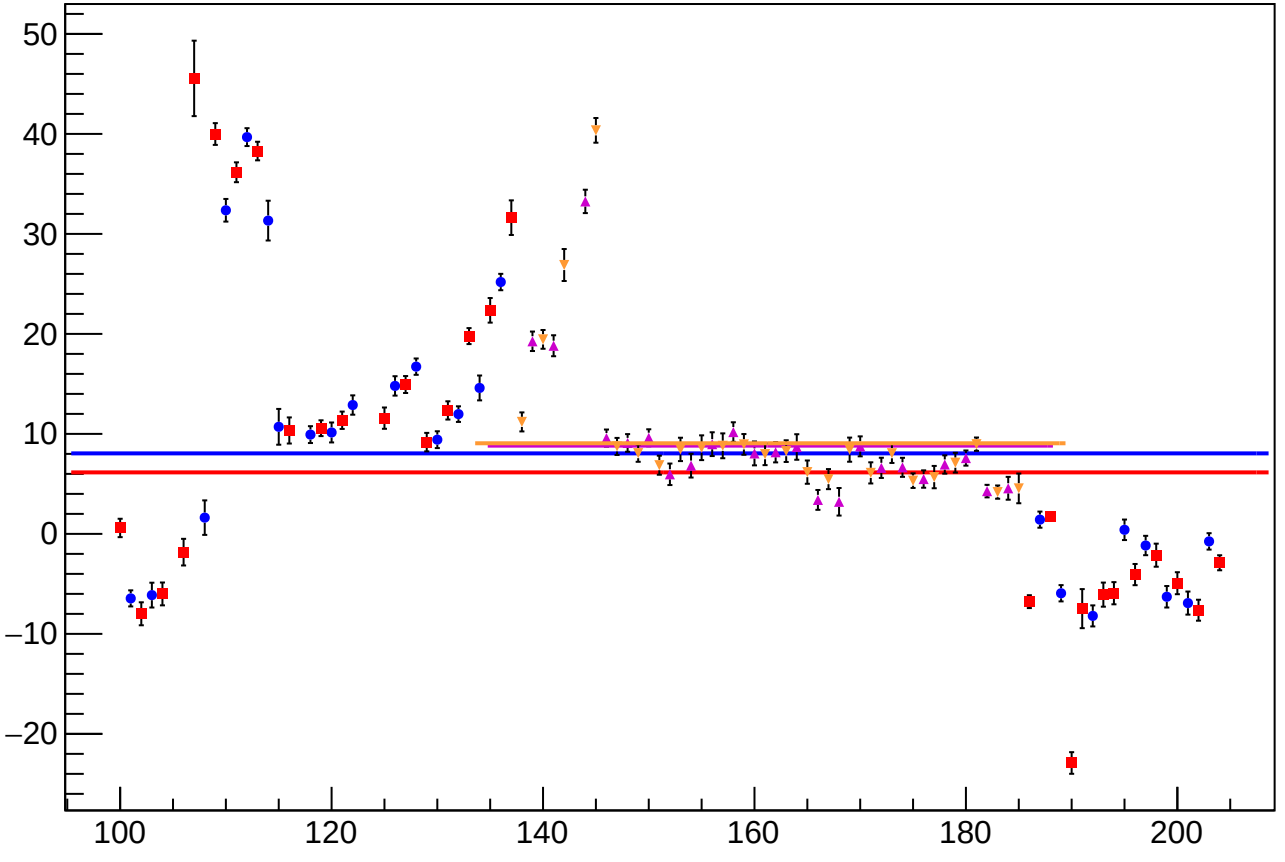
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

\+ sign 2.959+/-0.120 χ^2/NDF: 817.5/47

All: 2.966+/-0.085 χ^2/NDF: 1485.8/99

\- sign 2.973+/-0.120 χ^2/NDF: 668.3/51

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 8.051+/-0.198 χ^2/NDF: 4219.1/23

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 6.150+/-0.176 χ^2/NDF: 6526.8/28

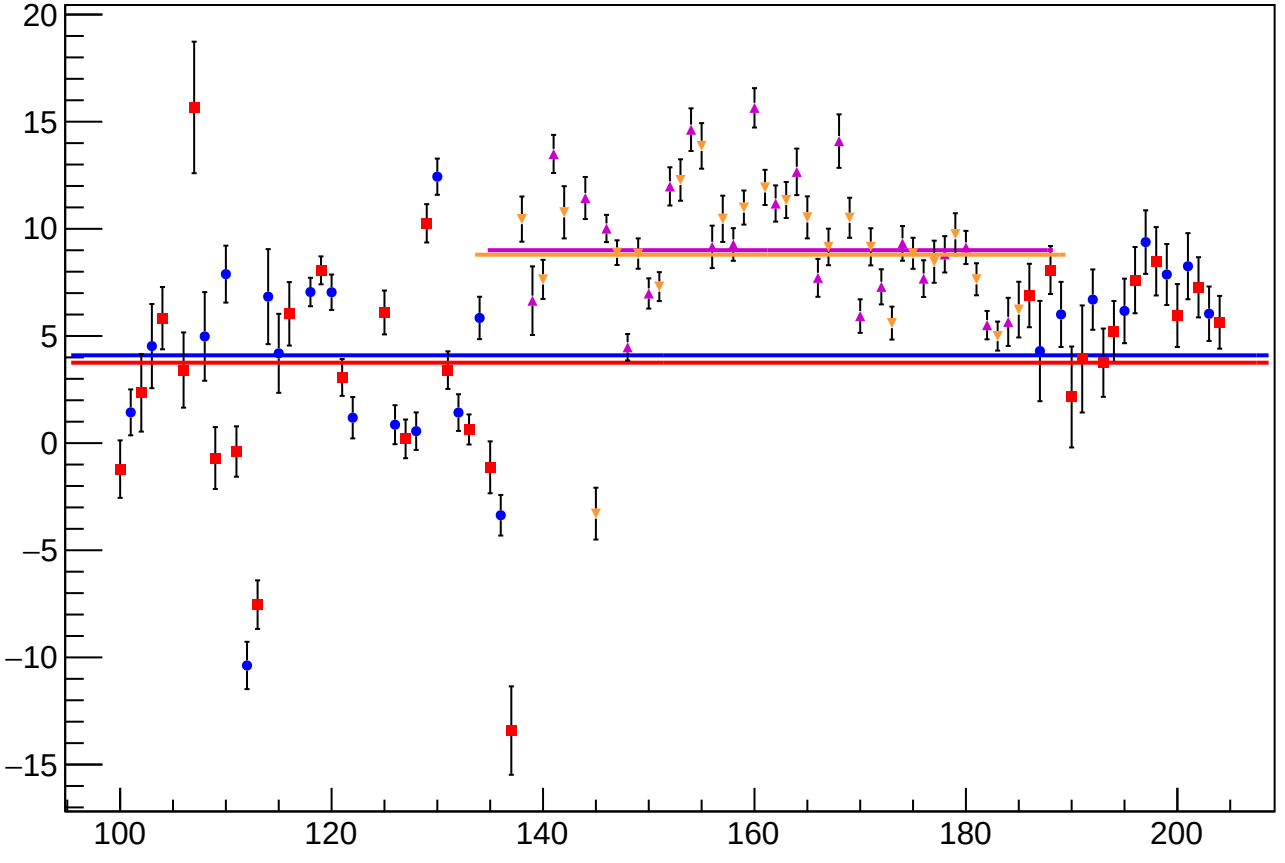
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 8.550+/-0.141 χ^2/NDF: 5265.4/47

All: 7.889+/-0.097 χ^2/NDF: 12734.7/99

- sign 7.305+/-0.133 χ^2/NDF: 7428.0/51

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.097+/-0.229 χ^2/NDF: 467.0/23

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.754+/-0.221 χ^2/NDF: 425.1/28

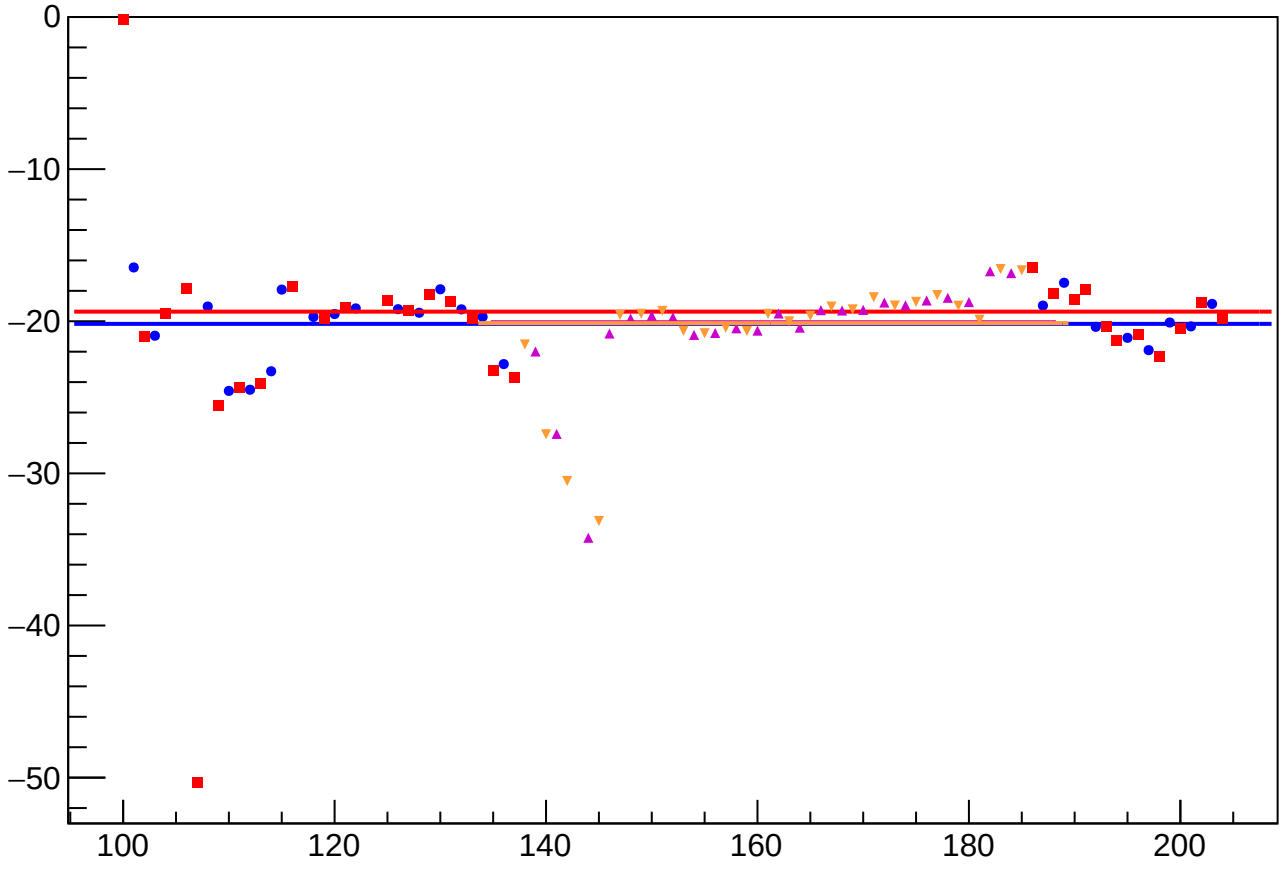
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.079+/-0.139 χ^2/NDF: 977.4/47

All: 7.021+/-0.098 χ^2/NDF: 2038.1/99

- sign 6.964+/-0.138 χ^2/NDF: 1060.4/51

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.171+/-0.012 χ^2/NDF: 24516.8/23

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.368+/-0.011 χ^2/NDF: 246653.0/28

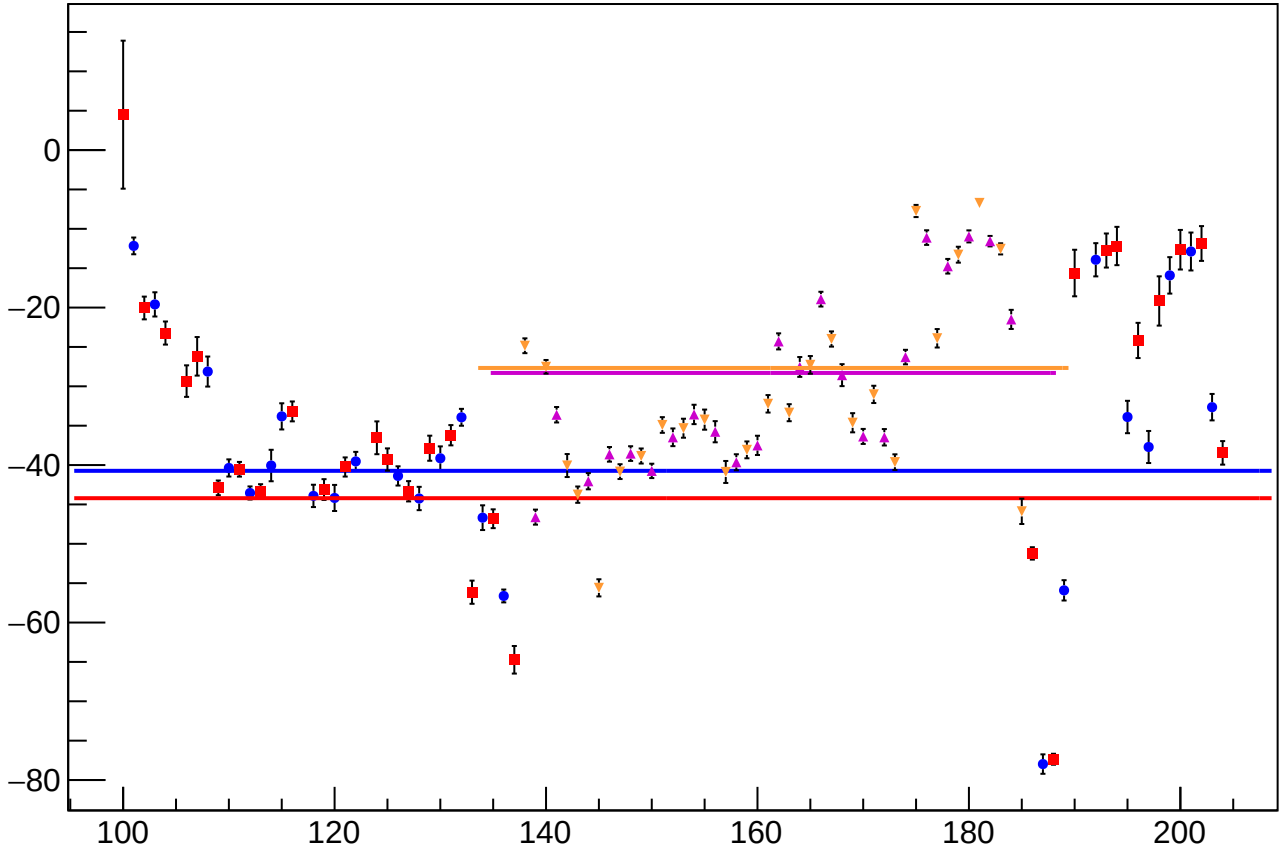
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.138+/-0.007 χ^2/NDF: 183107.0/47

All: -19.977+/-0.005 χ^2/NDF: 566274.2/99

- sign -19.824+/-0.006 χ^2/NDF: 381997.5/51

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -40.733+/-0.277 χ^2/NDF: 2927.7/23

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -44.208+/-0.251 χ^2/NDF: 4373.6/28

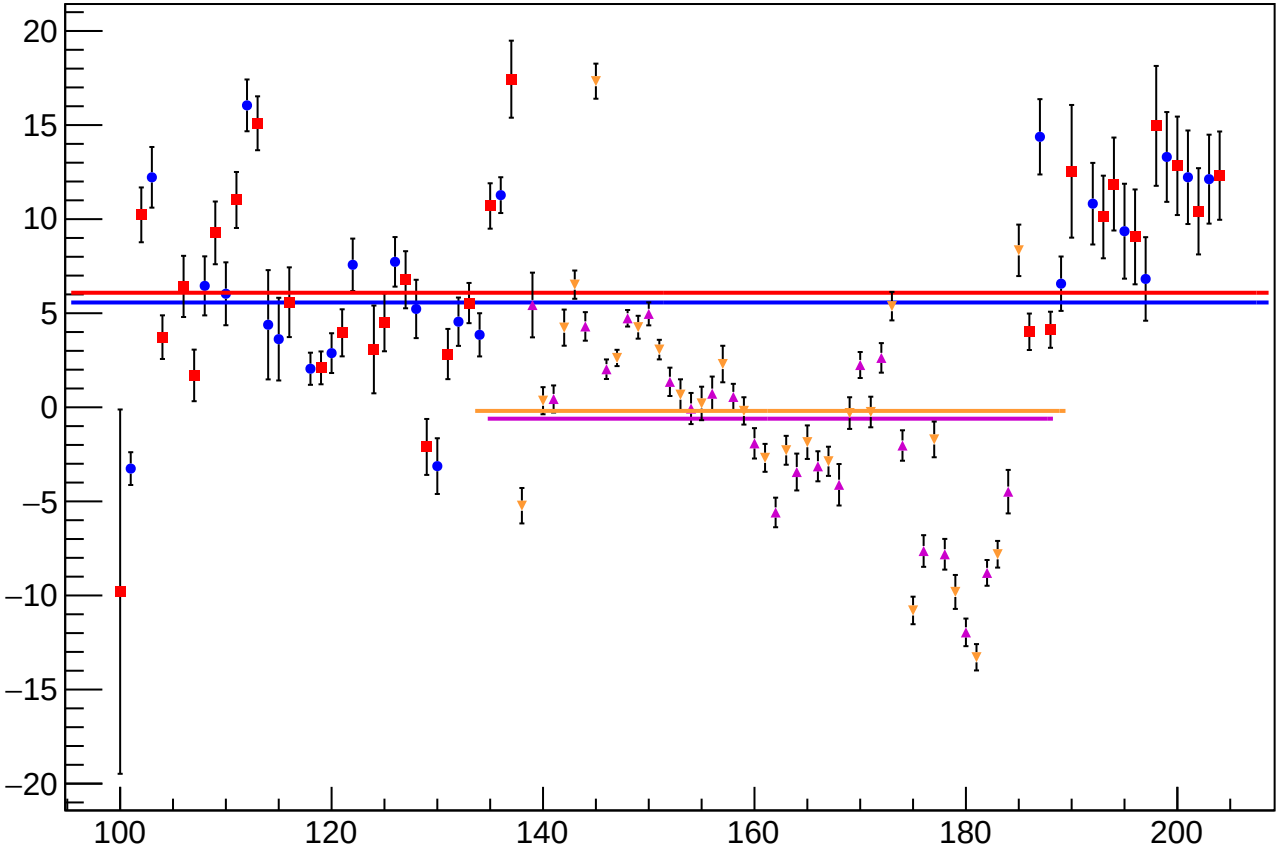
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -32.159+/-0.162 χ^2/NDF: 8784.7/48

All: -33.457+/-0.114 χ^2/NDF: 18960.7/100

- sign -34.702+/-0.159 χ^2/NDF: 10050.9/51

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 5.571+/-0.291 χ^2/NDF: 334.3/23

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.088+/-0.278 χ^2/NDF: 235.5/28

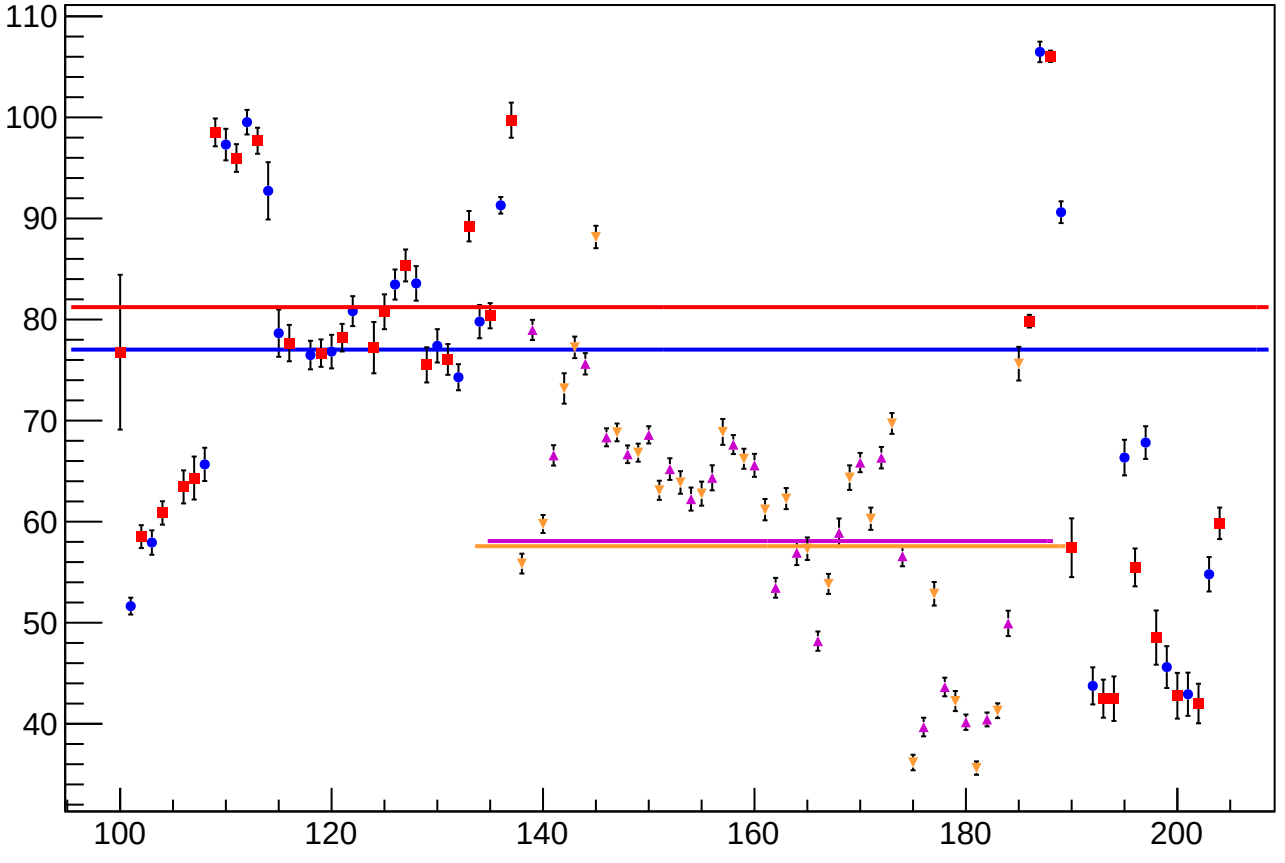
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 1.021+/-0.133 χ^2/NDF: 2189.9/48

All: 1.002+/-0.095 χ^2/NDF: 3841.3/100

- sign 0.982+/-0.136 χ^2/NDF: 1651.4/51

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 77.025+/-0.283 χ^2/NDF: 4172.7/23

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 81.226+/-0.251 χ^2/NDF: 5522.7/28

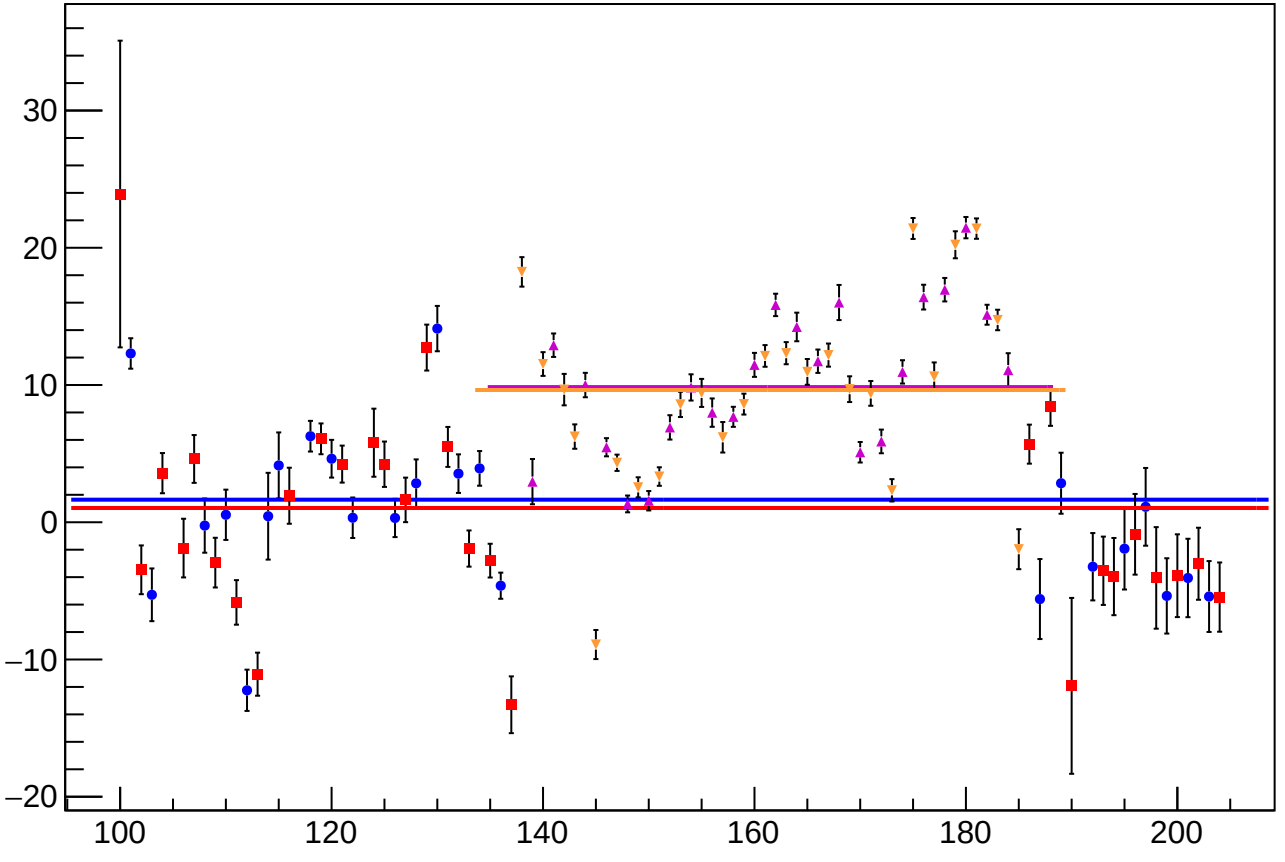
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 63.994+/-0.163 χ^2/NDF: 12012.7/48

All: 65.681+/-0.113 χ^2/NDF: 26440.1/100

- sign 67.269+/-0.158 χ^2/NDF: 14219.0/51

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 1.645+/-0.339 χ^2/NDF: 352.3/23

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.039+/-0.331 χ^2/NDF: 318.4/28

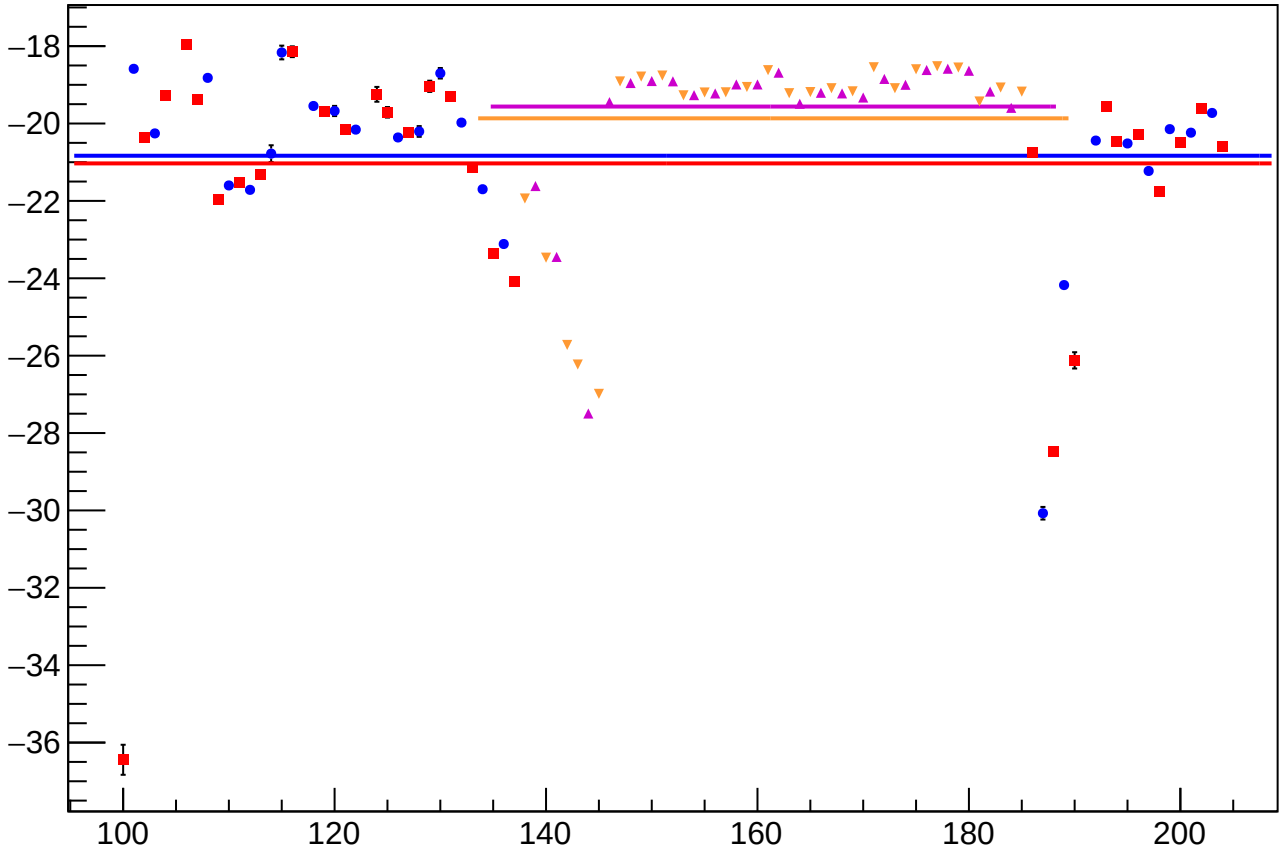
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 8.007+/-0.153 χ^2/NDF: 2287.0/48

All: 7.957+/-0.109 χ^2/NDF: 4149.6/100

- sign 7.905+/-0.156 χ^2/NDF: 1862.4/51

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.833+/-0.017 χ^2/NDF: 12215.5/23

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.031+/-0.017 χ^2/NDF: 20387.6/28

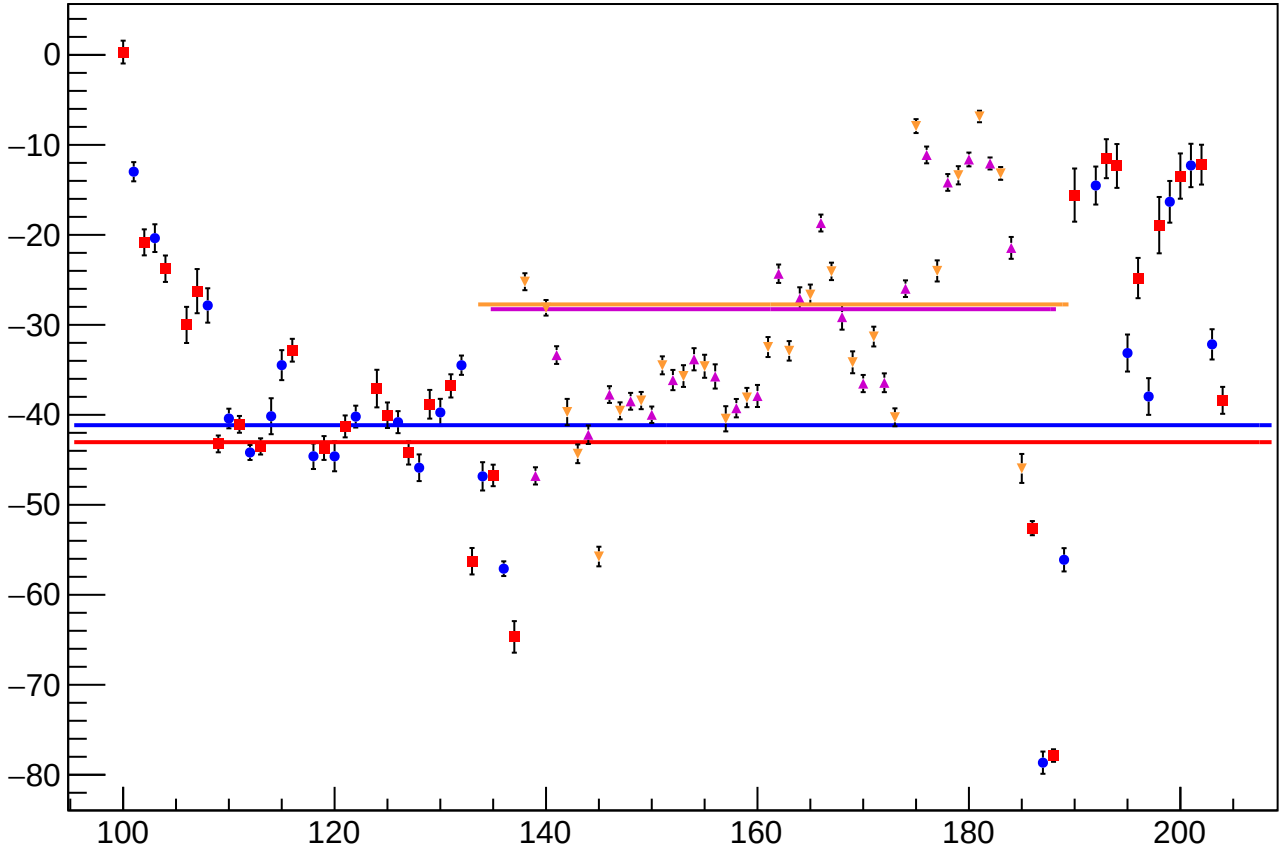
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.042+/-0.007 χ^2/NDF: 93857.3/48

All: -19.940+/-0.005 χ^2/NDF: 166226.8/100

- sign -19.837+/-0.007 χ^2/NDF: 71959.5/51

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -41.150+/-0.277 χ^2/NDF: 2930.6/23

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -43.037+/-0.246 χ^2/NDF: 5595.9/28

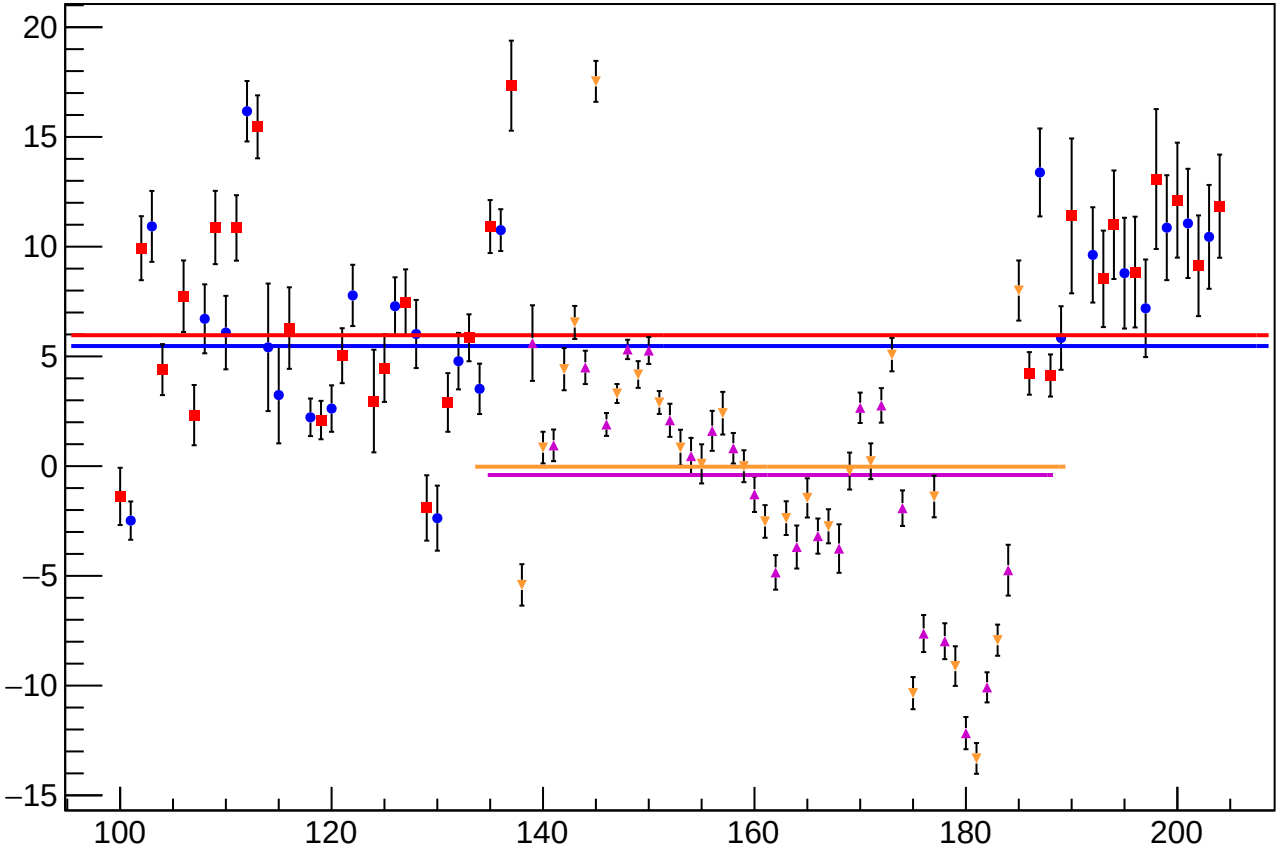
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.343+/-0.163 χ^2/NDF: 8766.8/48

All: -33.371+/-0.113 χ^2/NDF: 19727.8/100

- sign -34.343+/-0.158 χ^2/NDF: 10883.3/51

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 5.472+/-0.291 χ^2/NDF: 281.1/23

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.966+/-0.273 χ^2/NDF: 251.4/28

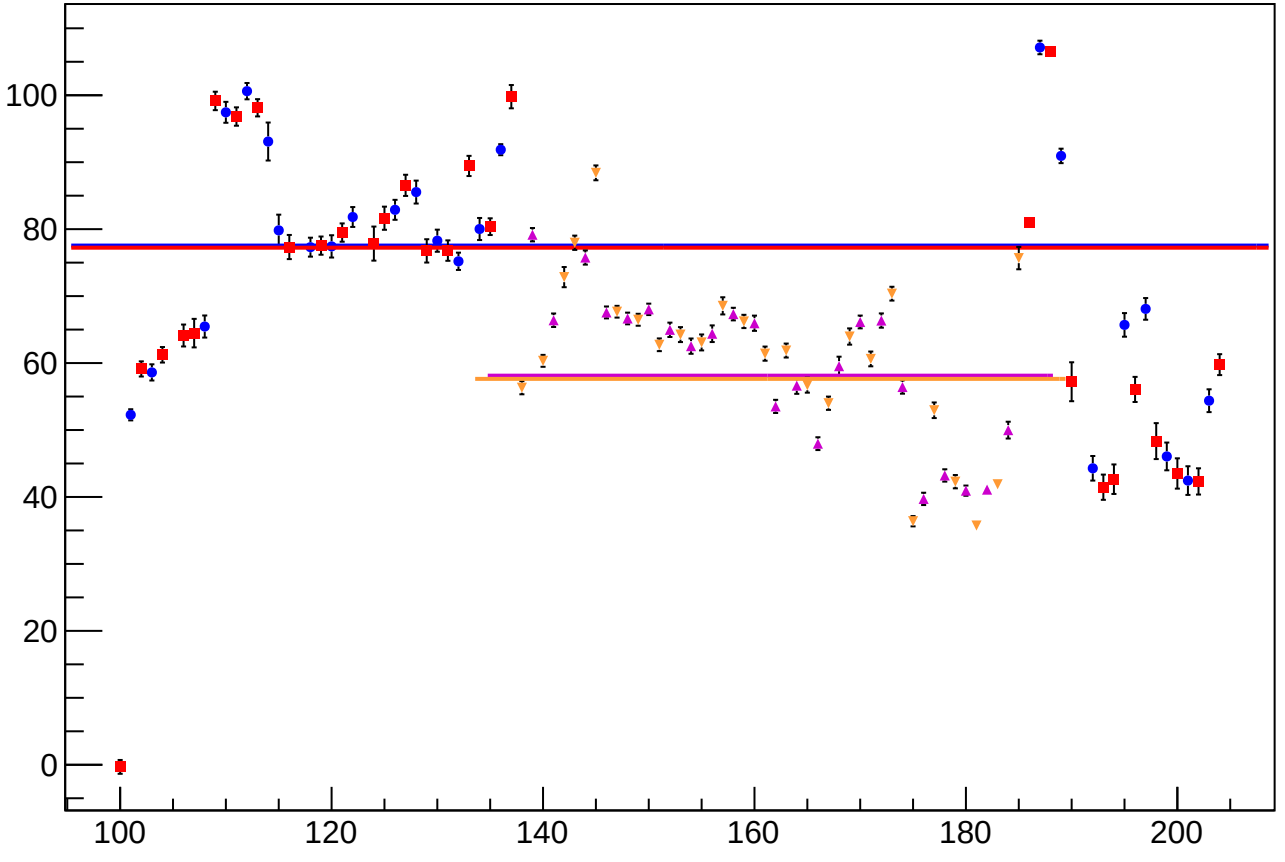
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.131+/-0.134 χ^2/NDF: 2094.5/48

All: 1.145+/-0.095 χ^2/NDF: 3842.0/100

- sign 1.159+/-0.135 χ^2/NDF: 1747.4/51

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.548+/-0.284 χ^2/NDF: 4214.2/23

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 77.233+/-0.244 χ^2/NDF: 11520.9/28

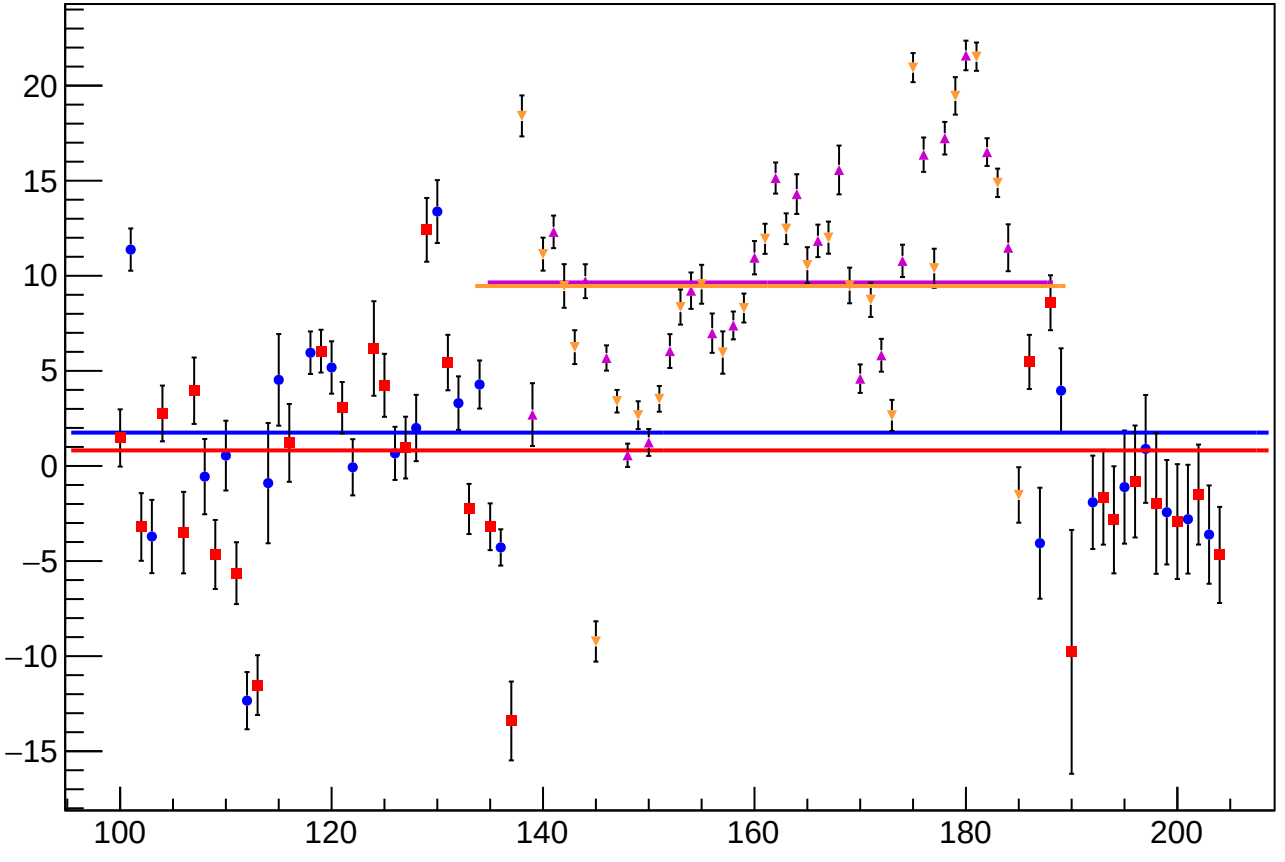
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.210+/-0.163 χ^2/NDF: 12122.1/48

All: 65.126+/-0.113 χ^2/NDF: 30760.0/100

- sign 65.970+/-0.156 χ^2/NDF: 18577.2/51

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 1.753+/-0.339 χ^2/NDF: 309.0/23

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.818+/-0.324 χ^2/NDF: 308.2/28

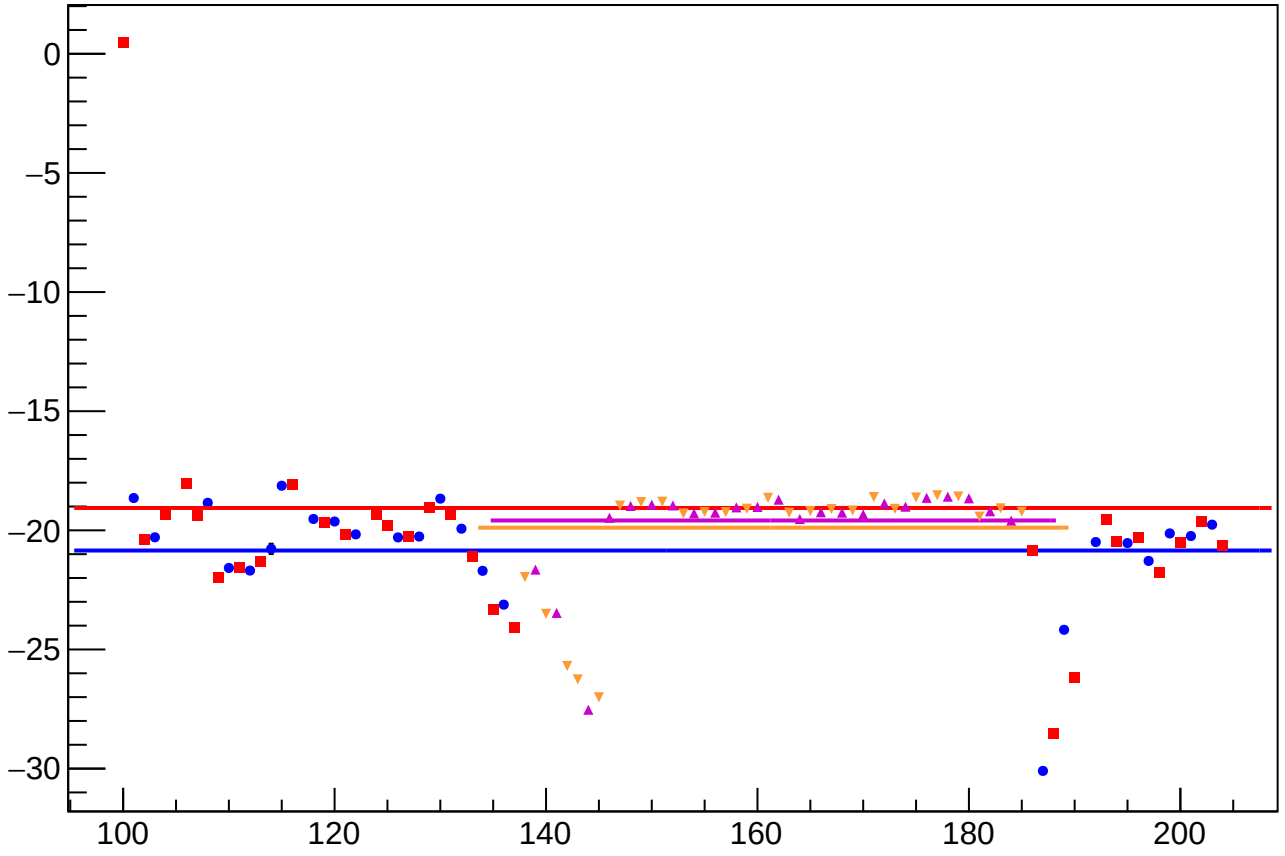
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

\+ sign 7.890+/-0.153 χ^2/NDF: 2203.2/48

All: 7.761+/-0.109 χ^2/NDF: 4163.8/100

\- sign 7.628+/-0.155 χ^2/NDF: 1959.2/51

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.847+/-0.017 χ^2/NDF: 12087.2/23

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.061+/-0.016 χ^2/NDF: 171850.9/28

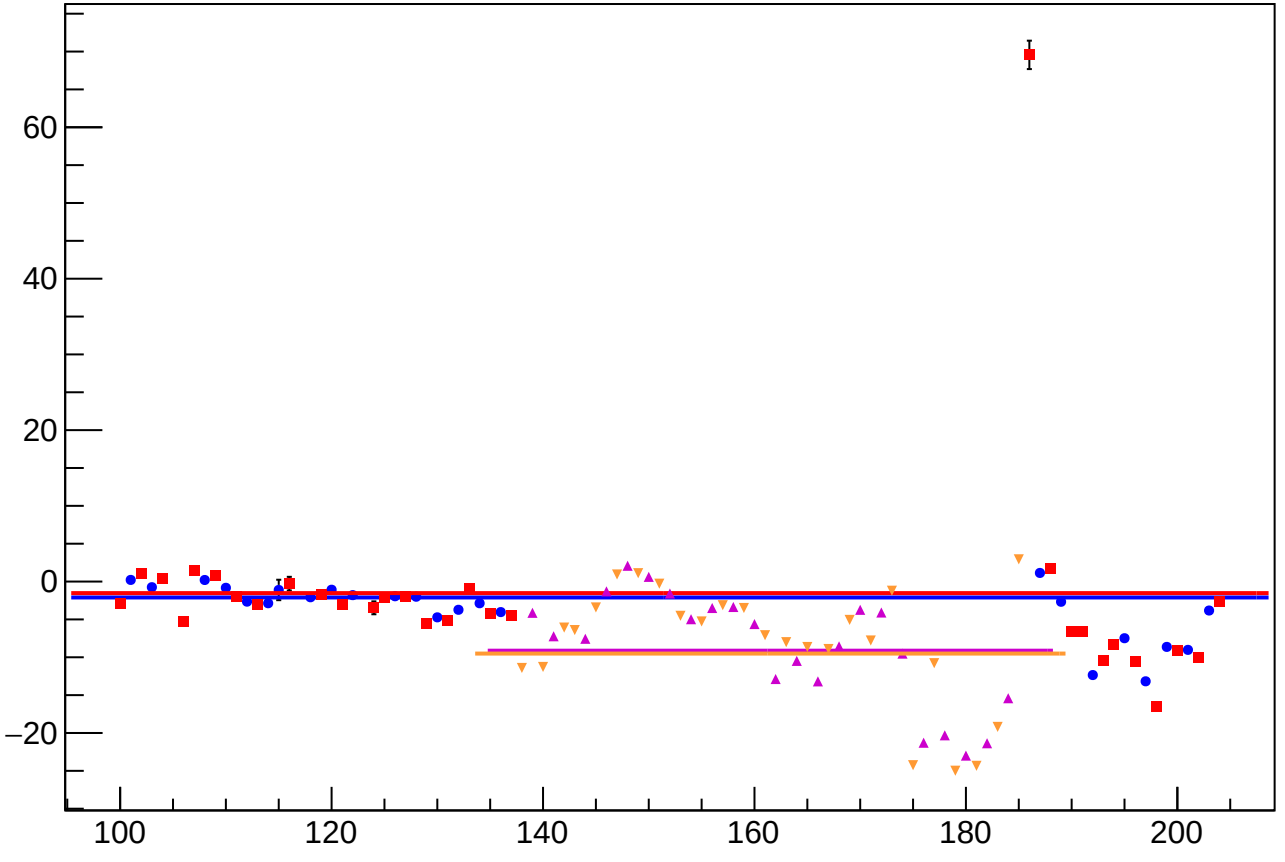
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.063+/-0.007 χ^2/NDF: 93291.9/48

All: -19.771+/-0.005 χ^2/NDF: 314457.1/100

- sign -19.480+/-0.007 χ^2/NDF: 217814.3/51

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -2.102+/-0.051 χ^2/NDF: 3310.1/23

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.525+/-0.046 χ^2/NDF: 6866.7/29

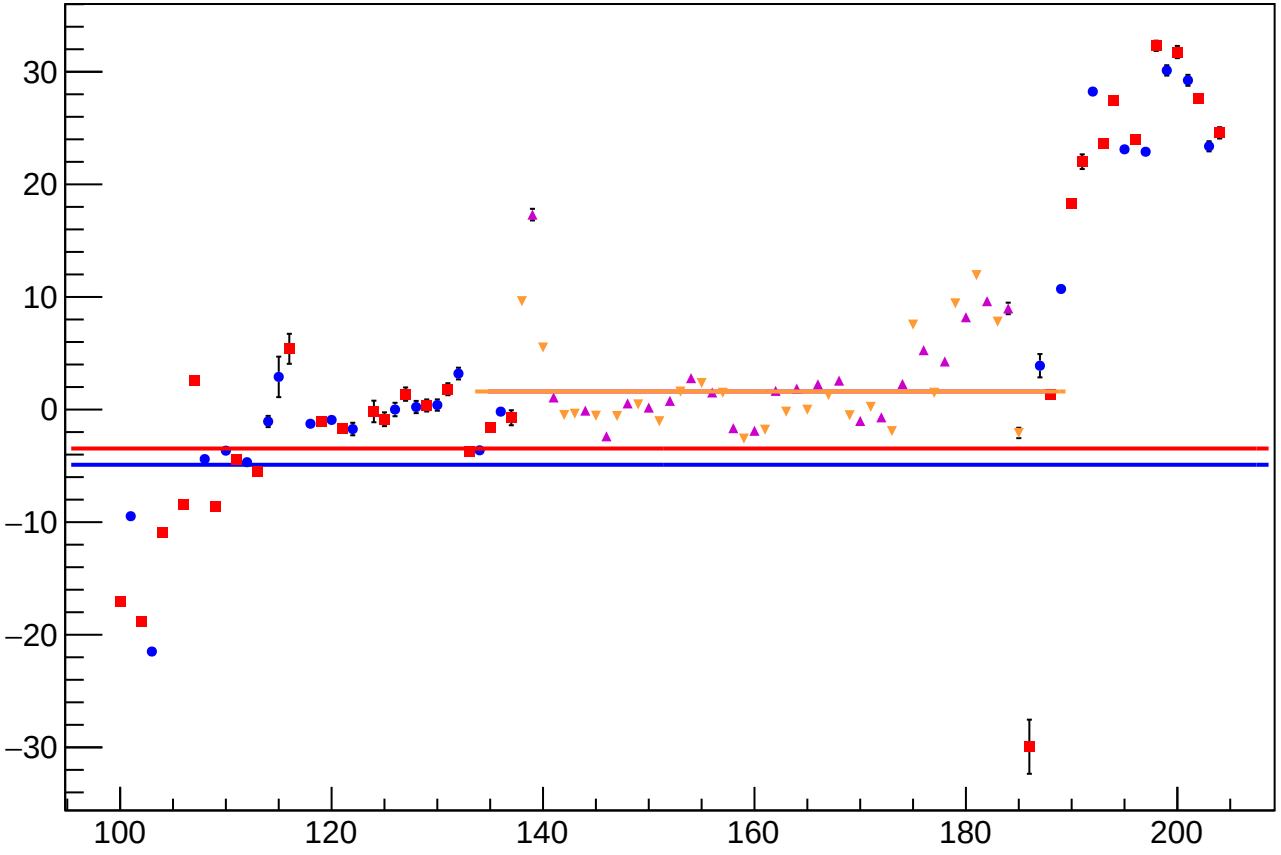
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.535+/-0.042 χ^2/NDF: 23217.1/48

All: -4.050+/-0.029 χ^2/NDF: 48227.5/101

- sign -3.620+/-0.039 χ^2/NDF: 24754.5/52

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -4.903+/-0.053 χ^2/NDF: 52322.7/23

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -3.460+/-0.053 χ^2/NDF: 60483.9/29

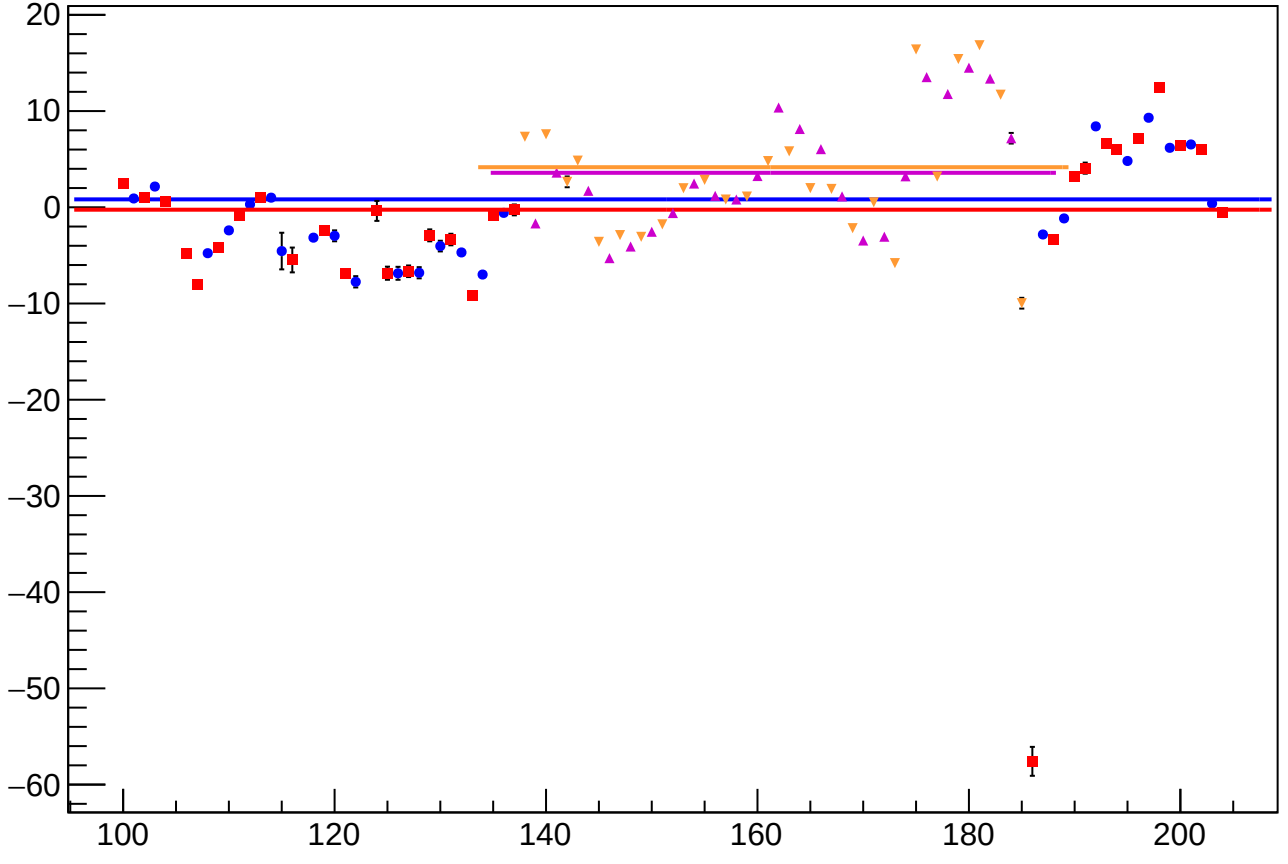
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

\+ sign -1.751+/-0.038 χ^2/NDF: 64176.0/48

All: -1.460+/-0.027 χ^2/NDF: 132647.2/101

\- sign -1.164+/-0.039 χ^2/NDF: 68355.7/52

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.824+/-0.049 χ^2/NDF: 4145.1/23

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.250+/-0.047 χ^2/NDF: 8121.7/29

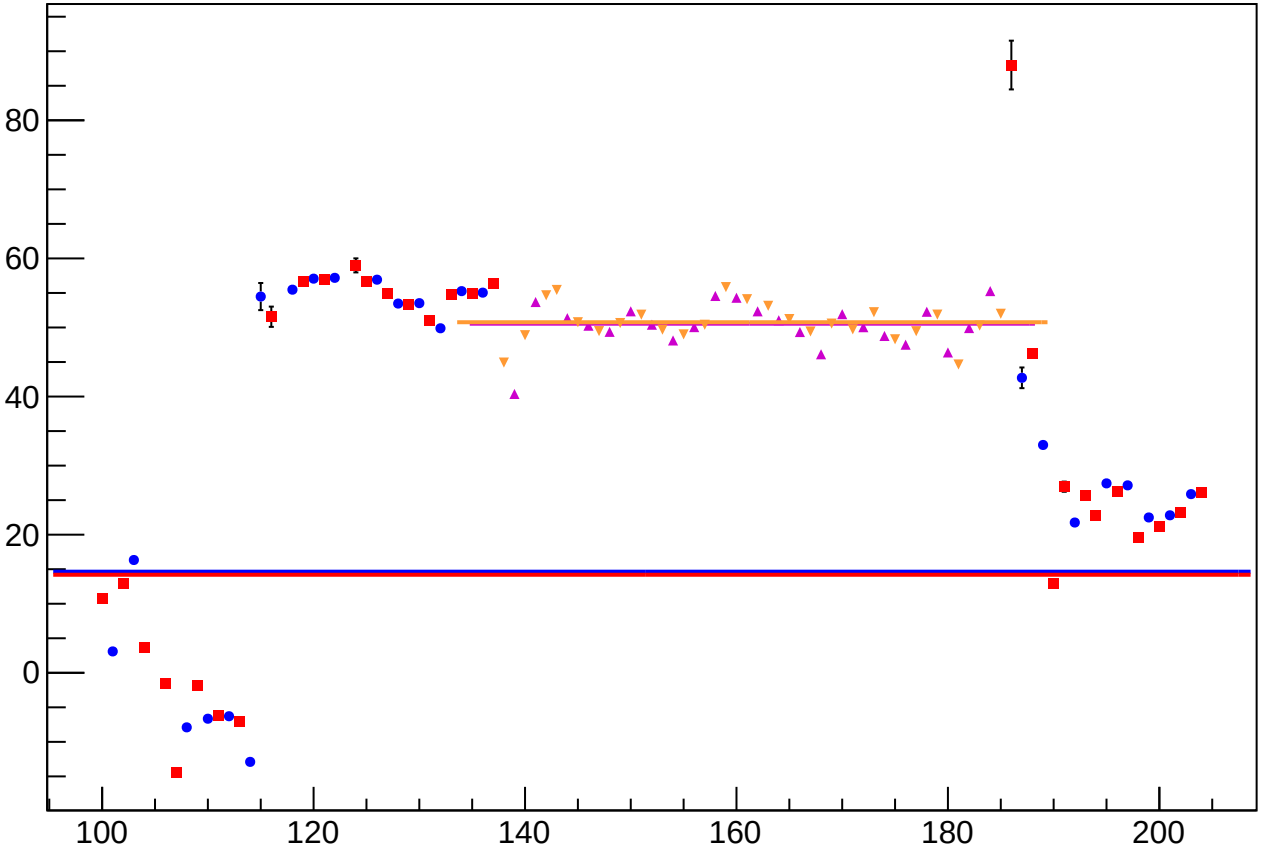
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.871+/-0.040 χ^2/NDF: 14867.6/48

All: 1.342+/-0.028 χ^2/NDF: 32479.6/101

- sign 0.837+/-0.039 χ^2/NDF: 17275.8/52

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 14.642+/-0.064 χ^2/NDF: 113151.6/23

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 14.198+/-0.062 χ^2/NDF: 129764.1/29

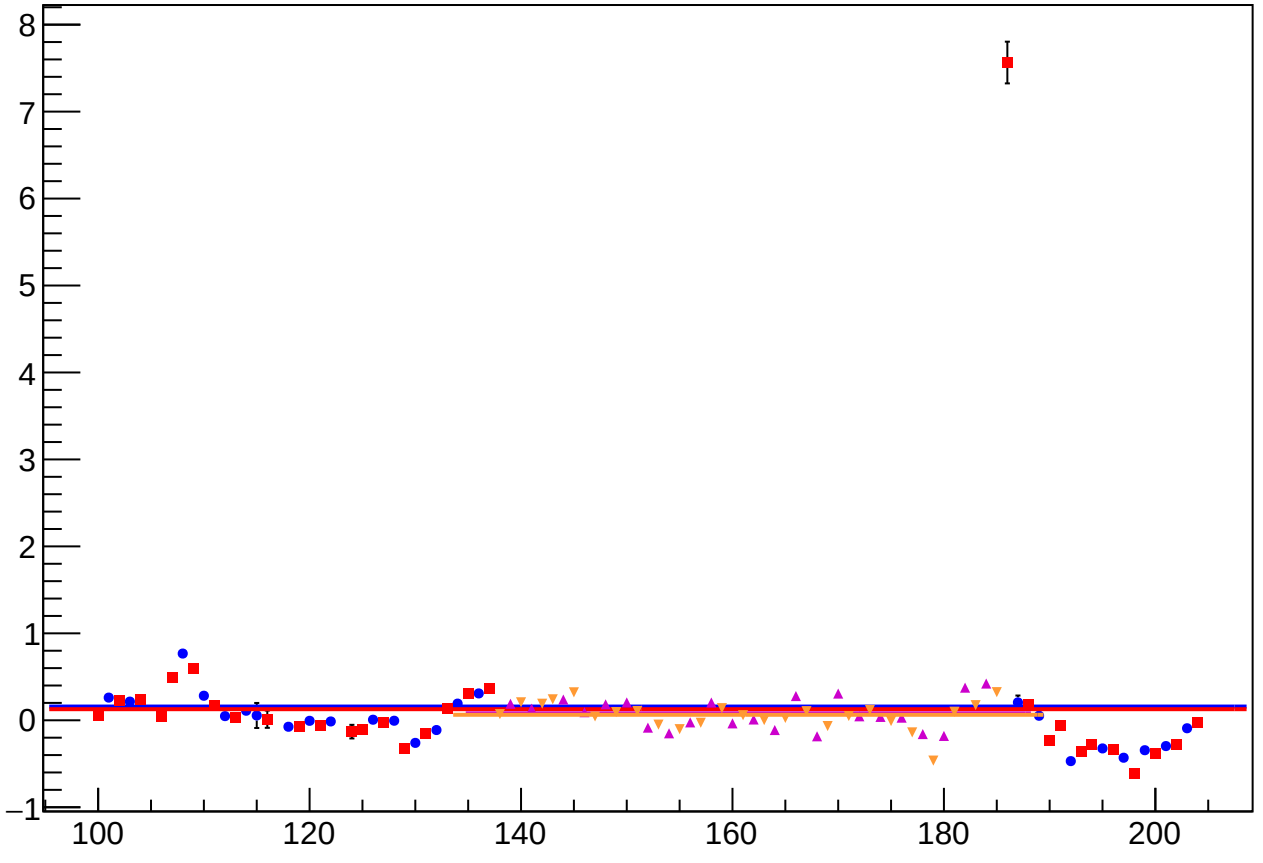
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 33.083+/-0.045 χ^2/NDF: 278687.3/48

All: 32.402+/-0.032 χ^2/NDF: 573898.5/101

- sign 31.710+/-0.045 χ^2/NDF: 294741.4/52

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.158+/-0.003 χ^2/NDF: 12576.4/23

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.128+/-0.002 χ^2/NDF: 12529.5/29

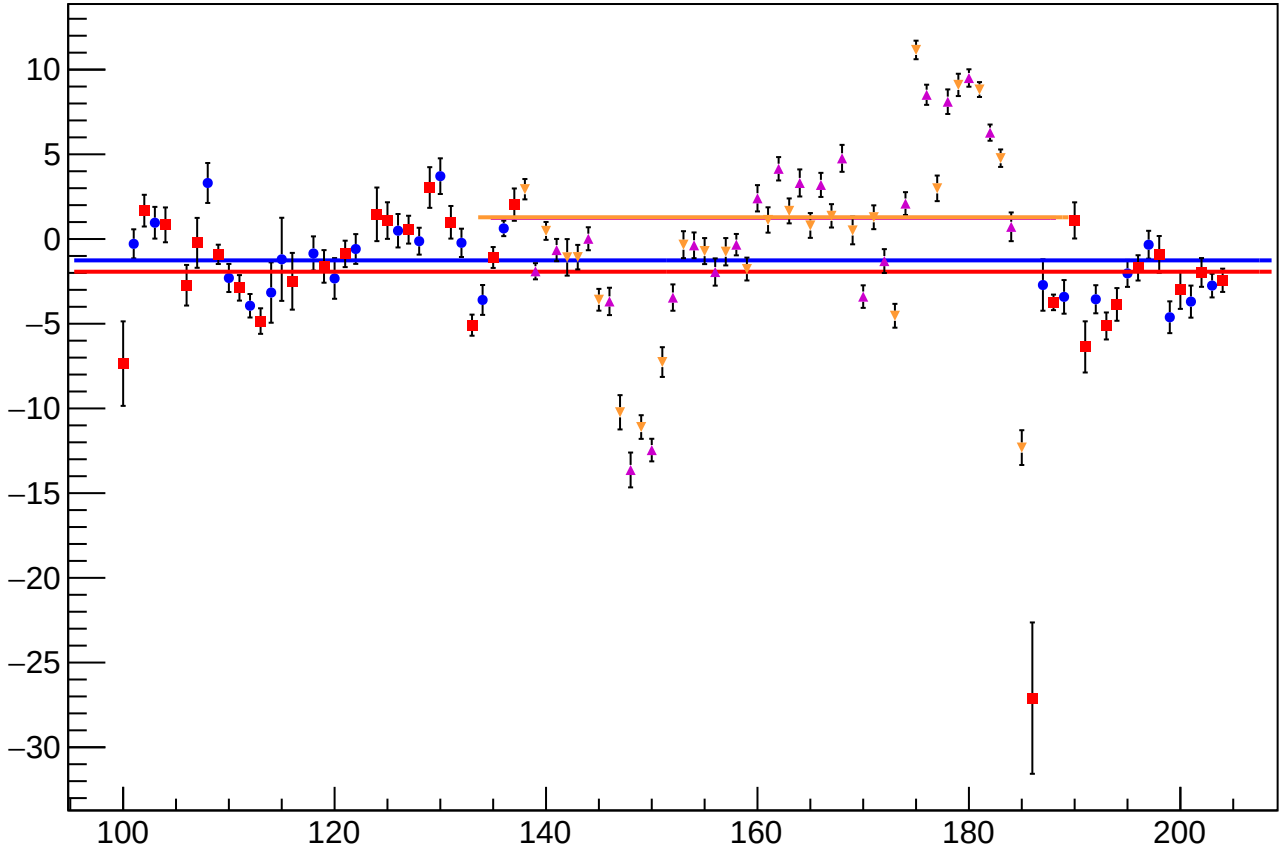
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.116+/-0.002 χ^2/NDF: 15776.8/48

All: 0.111+/-0.001 χ^2/NDF: 31929.3/101

- sign 0.107+/-0.002 χ^2/NDF: 16142.7/52

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.261+/-0.178 χ^2/NDF: 133.6/23

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.930+/-0.159 χ^2/NDF: 229.5/29

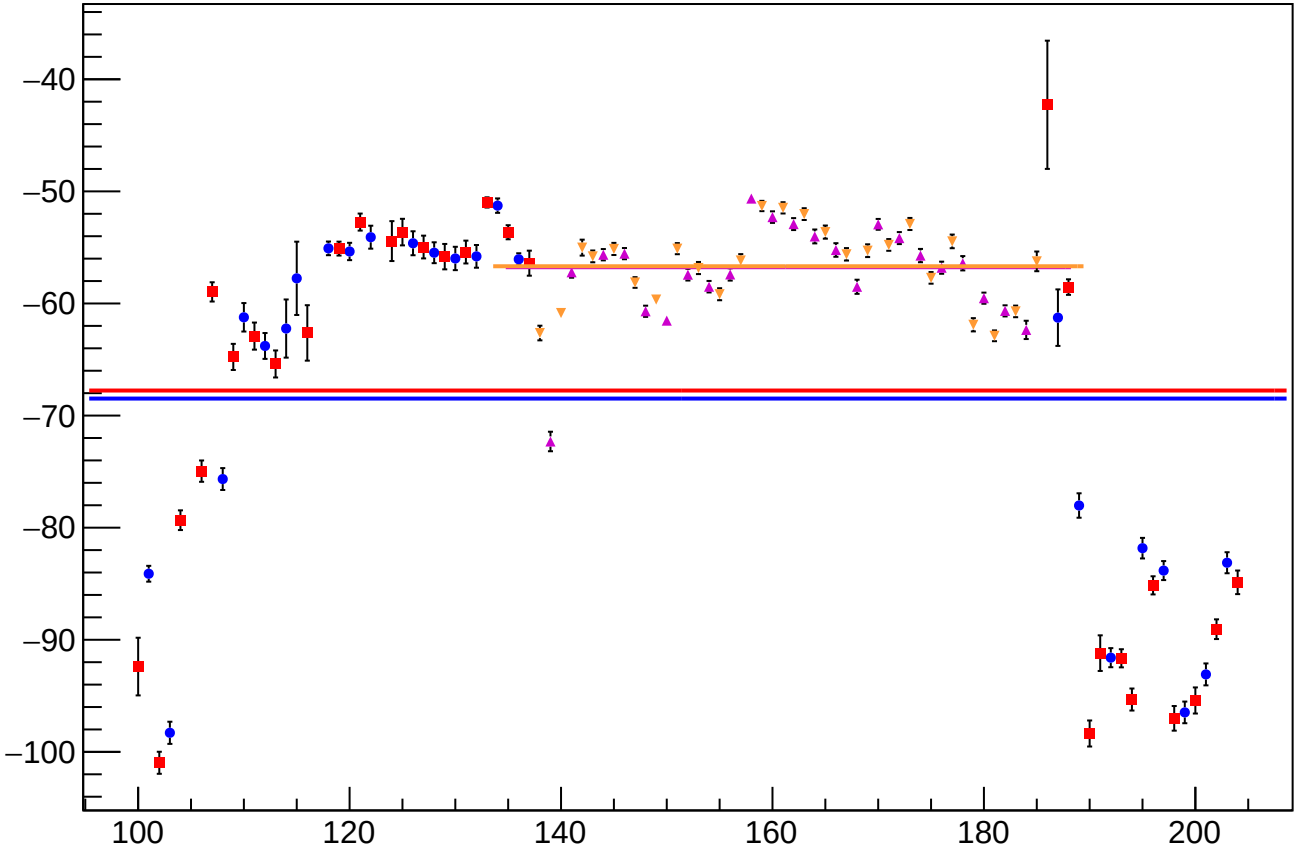
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.339+/-0.109 χ^2/NDF: 1977.2/48

All: 0.088+/-0.076 χ^2/NDF: 3953.7/101

- sign -0.146+/-0.105 χ^2/NDF: 1966.3/52

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -68.483+/-0.186 χ^2/NDF: 7484.5/23

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -67.766+/-0.170 χ^2/NDF: 10334.9/29

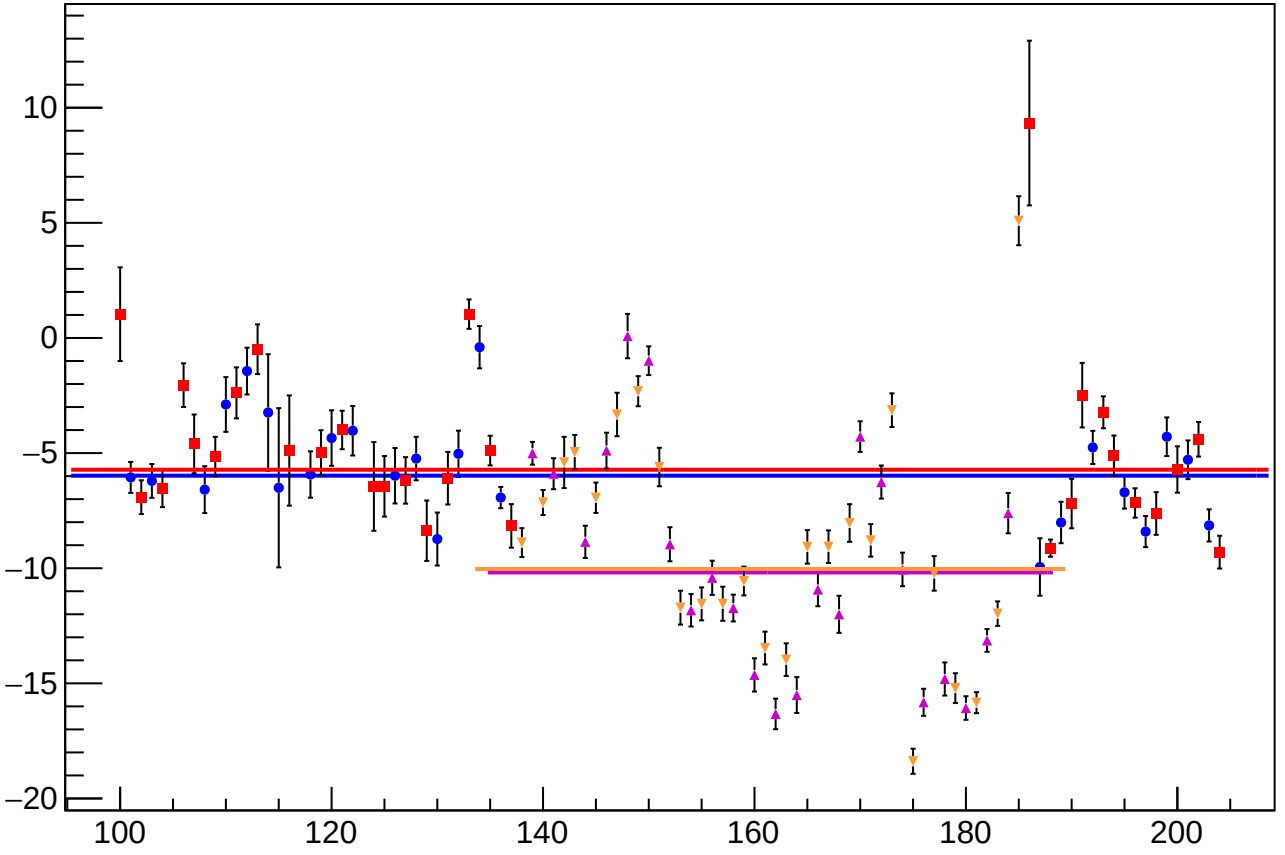
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -59.635+/-0.093 χ^2/NDF: 11533.3/48

All: -59.860+/-0.066 χ^2/NDF: 25904.7/101

- sign -60.088+/-0.094 χ^2/NDF: 14359.6/52

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.980+/-0.177 χ^2/NDF: 128.1/23

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.723+/-0.157 χ^2/NDF: 352.7/29

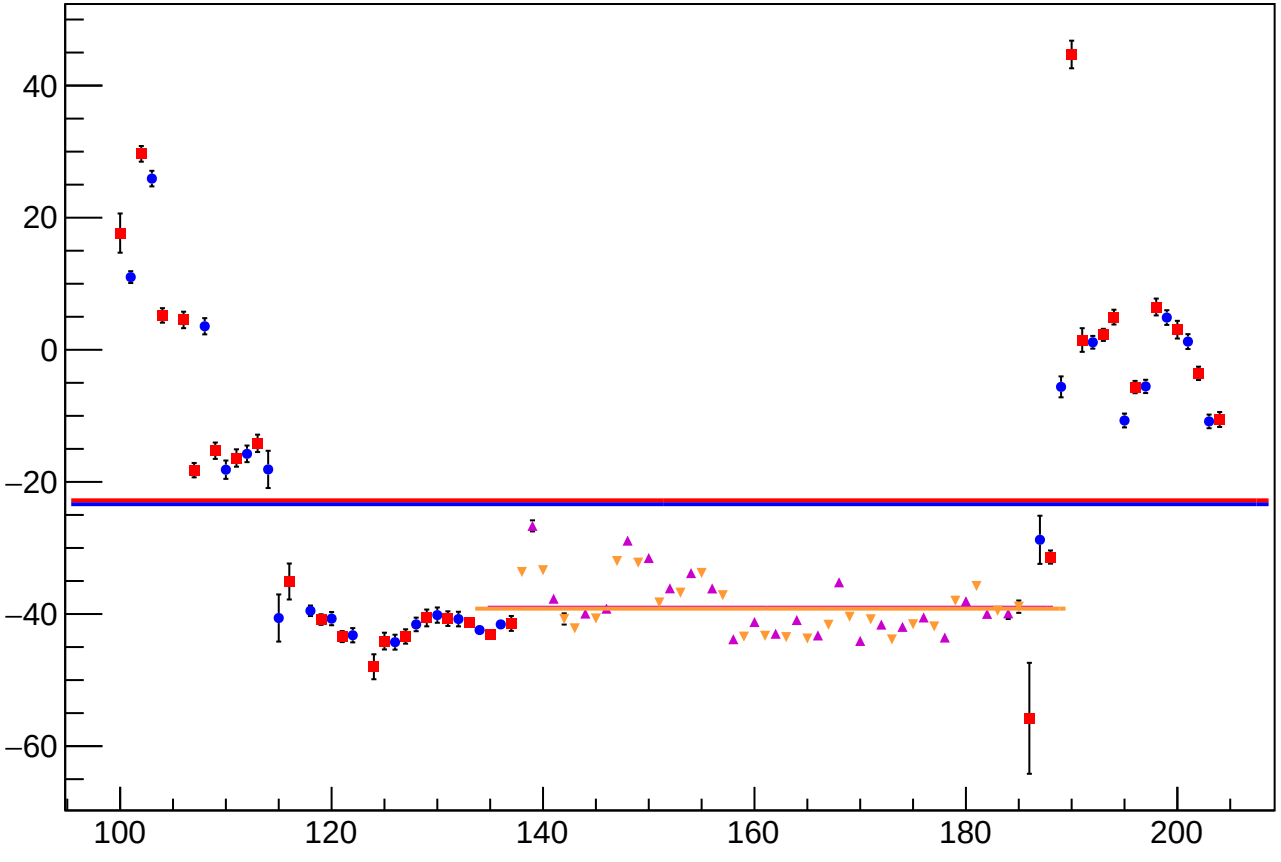
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.530+/-0.108 χ^2/NDF: 1639.0/48

All: -8.370+/-0.075 χ^2/NDF: 3590.8/101

- sign -8.222+/-0.104 χ^2/NDF: 1947.6/52

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -23.370+/-0.213 χ^2/NDF: 10287.6/23

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -22.789+/-0.199 χ^2/NDF: 12573.0/29

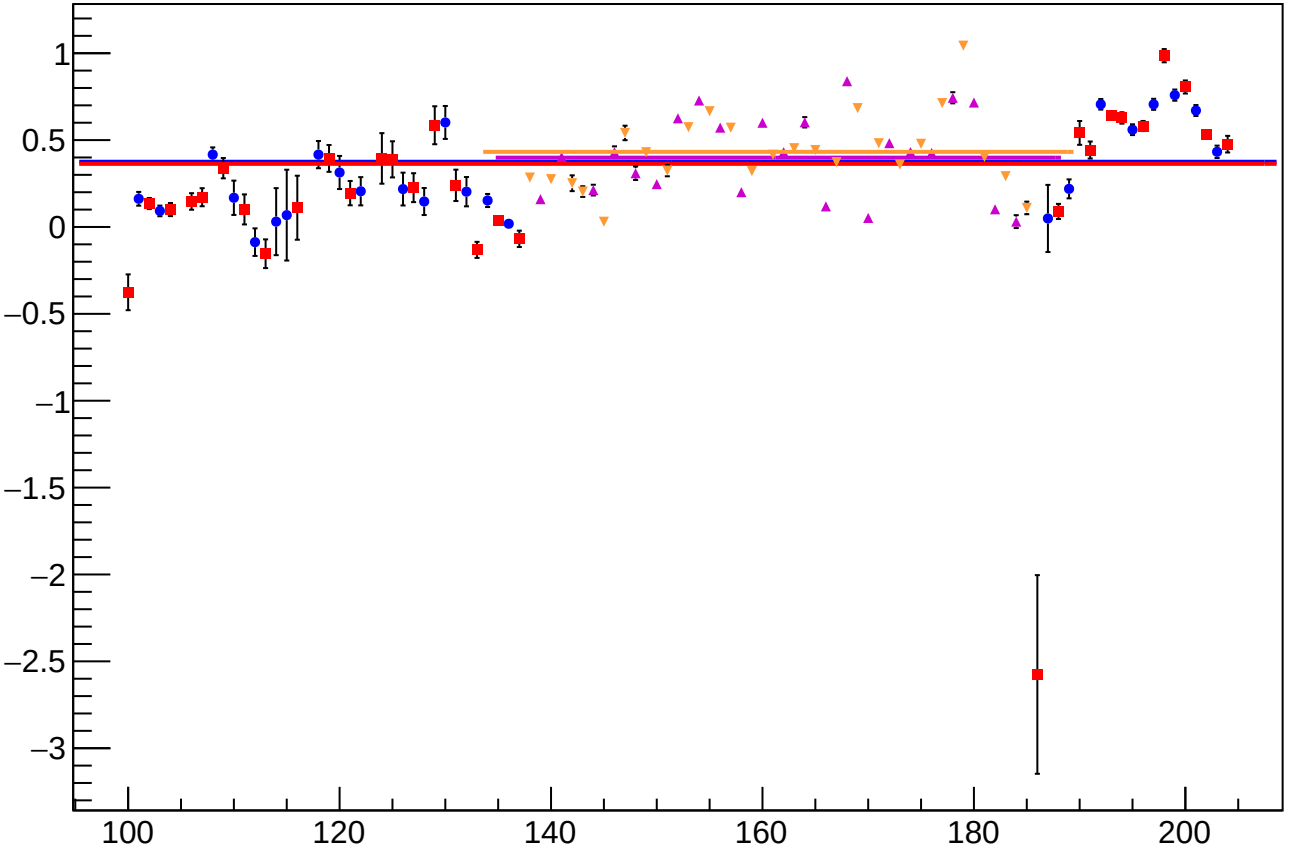
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -35.370+/-0.105 χ^2/NDF: 15507.9/48

All: -34.927+/-0.074 χ^2/NDF: 34152.0/101

- sign -34.478+/-0.105 χ^2/NDF: 18607.8/52

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.375+/-0.009 χ^2/NDF: 998.7/23

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.363+/-0.008 χ^2/NDF: 1350.8/29

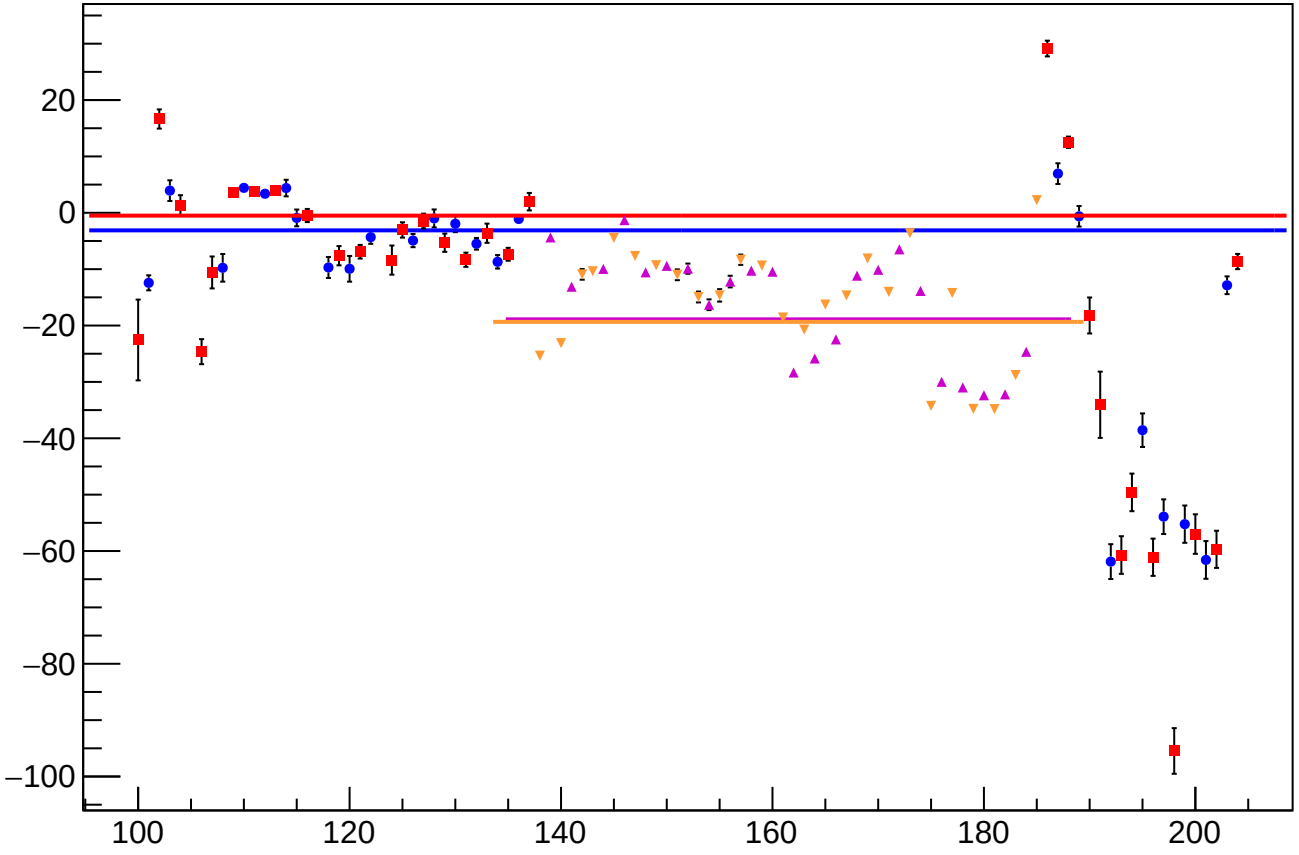
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.417+/-0.005 χ^2/NDF: 2397.6/48

All: 0.403+/-0.003 χ^2/NDF: 5704.9/101

- sign 0.389+/-0.005 χ^2/NDF: 3287.3/52

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -3.115+/-0.265 χ^2/NDF: 1783.5/23

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -0.506+/-0.244 χ^2/NDF: 3257.4/29

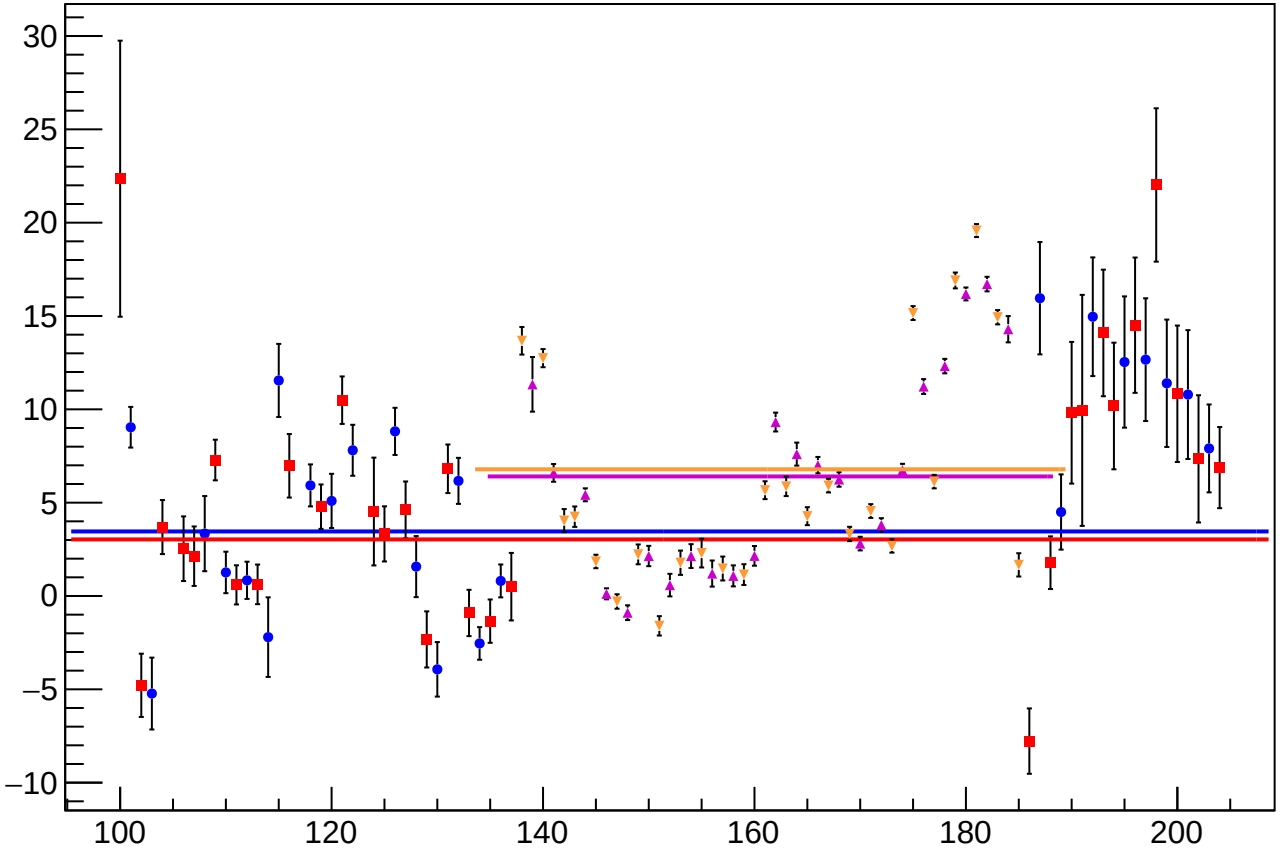
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.841+/-0.104 χ^2/NDF: 15343.6/48

All: -16.176+/-0.074 χ^2/NDF: 31604.7/101

- sign -15.503+/-0.105 χ^2/NDF: 16179.2/52

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.458+/-0.299 χ^2/NDF: 262.3/23

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

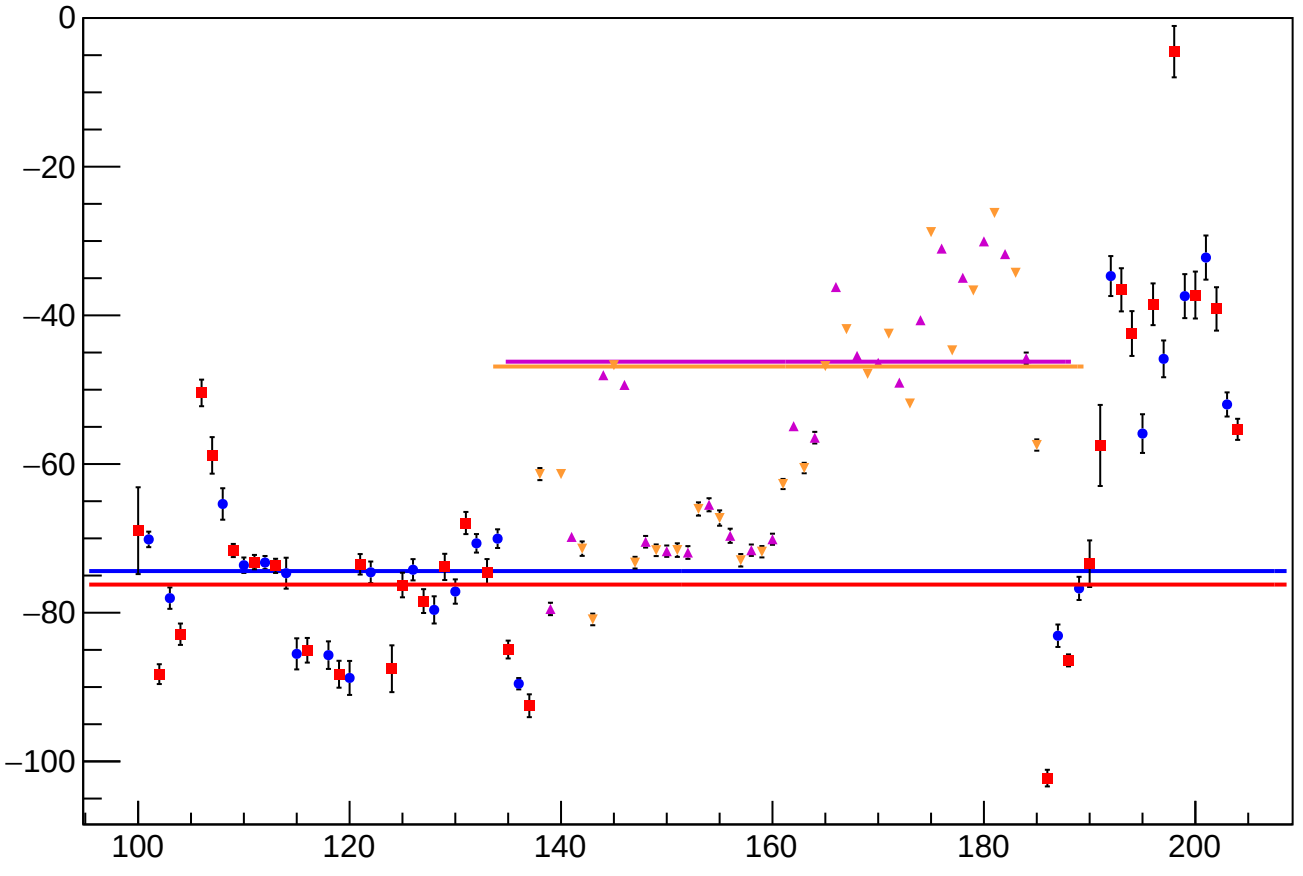
Right Out: 3.032+/-0.298 χ^2/NDF: 244.4/29

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

\+ sign 6.511+/-0.086 χ^2/NDF: 5008.3/48

All: 6.316+/-0.061 χ^2/NDF: 8790.3/101

\- sign 6.116+/-0.087 χ^2/NDF: 3771.6/52



Right In: -74.397+/-0.297 χ^2/NDF: 1558.3/23

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -76.215+/-0.279 χ^2/NDF: 2861.5/29

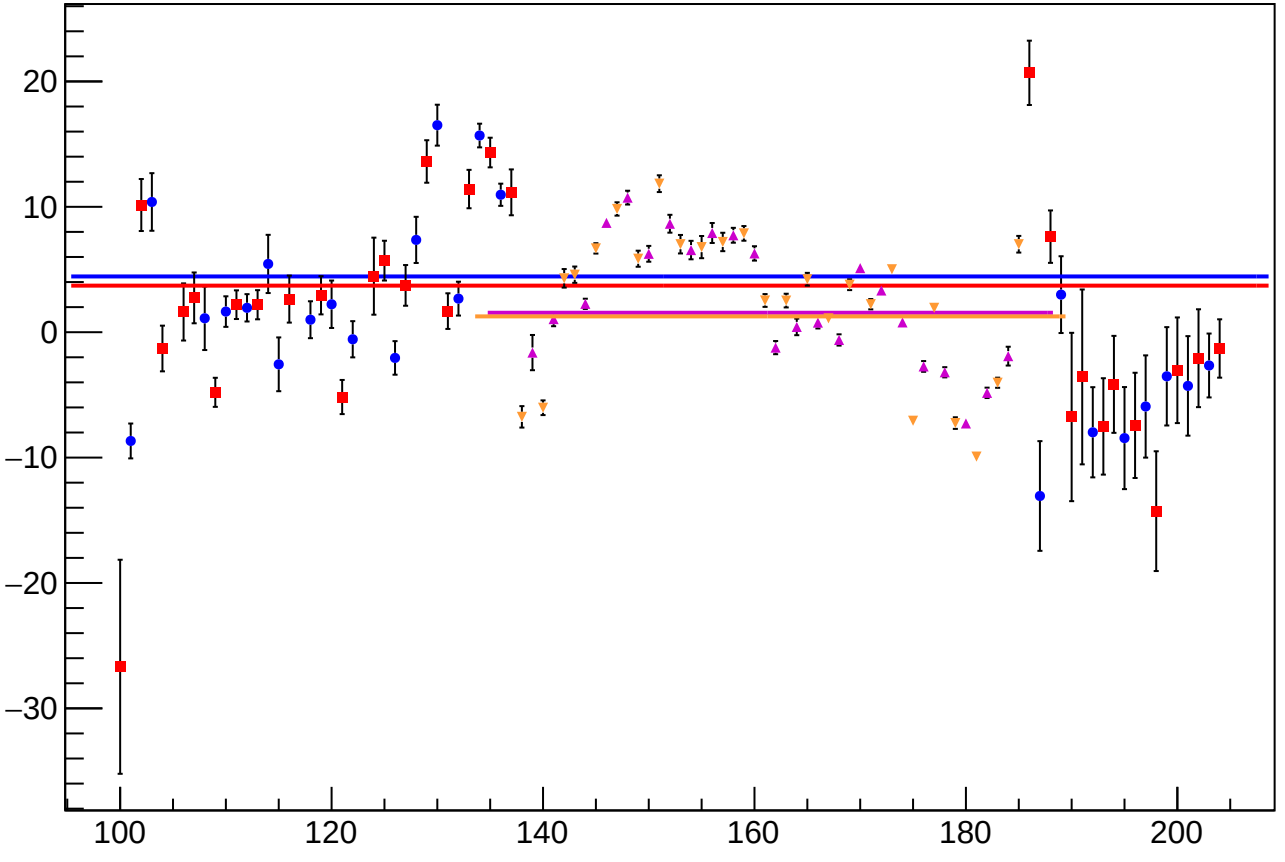
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.400+/-0.106 χ^2/NDF: 26993.1/48

All: -50.538+/-0.076 χ^2/NDF: 54892.3/101

- sign -50.679+/-0.107 χ^2/NDF: 27895.8/52

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 4.447+/-0.337 χ^2/NDF: 477.6/23

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.714+/-0.341 χ^2/NDF: 385.8/29

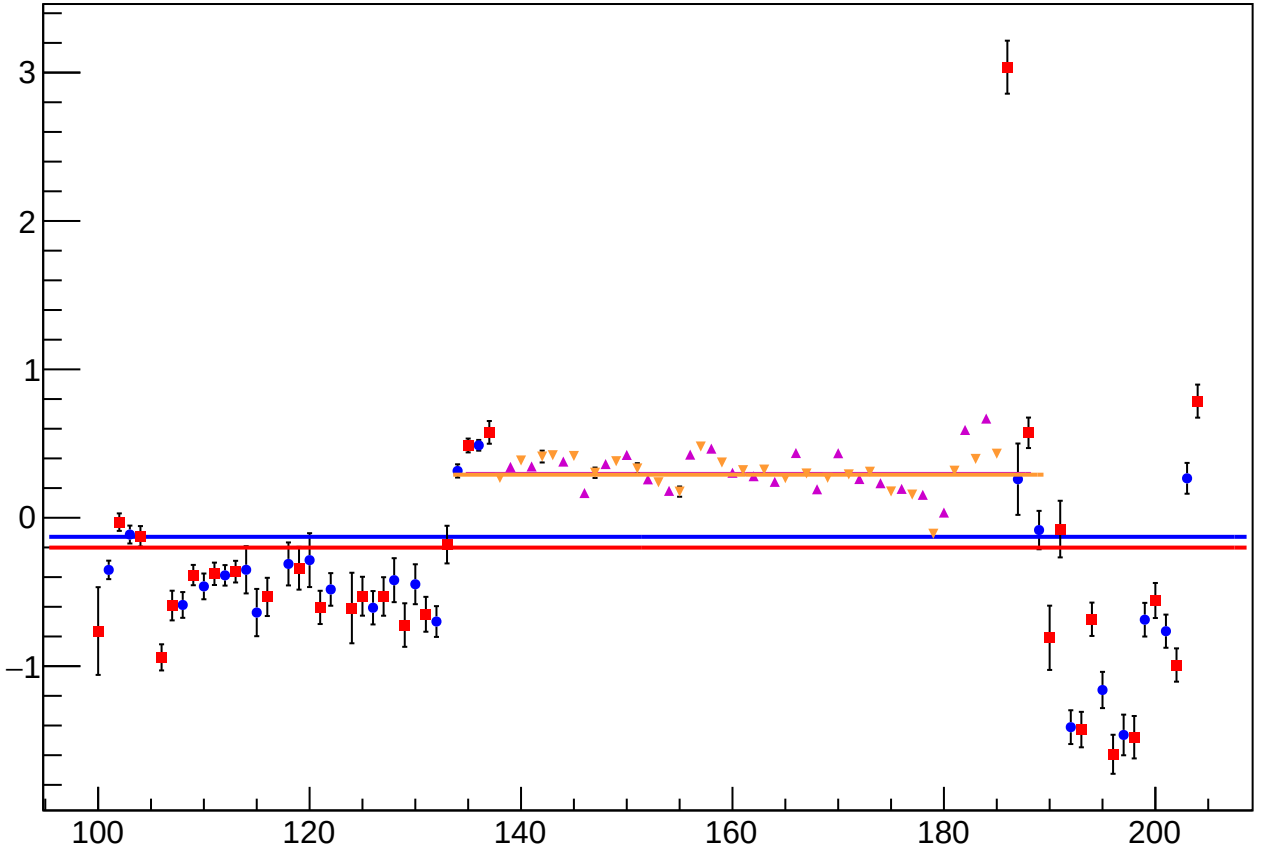
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.521+/-0.096 χ^2/NDF: 4005.4/48

All: 1.624+/-0.069 χ^2/NDF: 6766.2/101

- sign 1.729+/-0.098 χ^2/NDF: 2758.5/52

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.128+/-0.017 χ^2/NDF: 909.3/23

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.201+/-0.018 χ^2/NDF: 1346.6/29

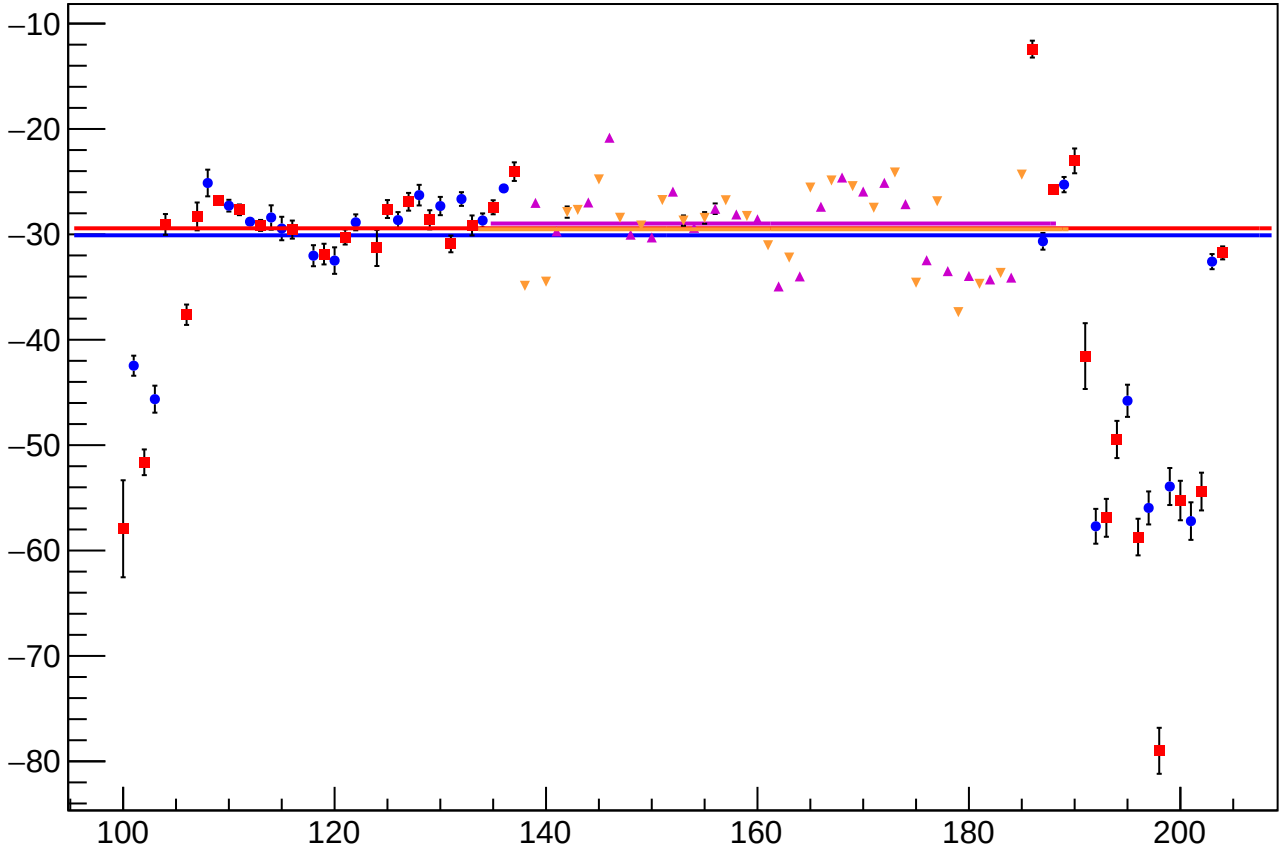
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.264+/-0.004 χ^2/NDF: 2173.3/48

All: 0.265+/-0.003 χ^2/NDF: 5275.0/101

- sign 0.265+/-0.004 χ^2/NDF: 3101.6/52

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.089+/-0.166 χ^2/NDF: 1672.9/23

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.426+/-0.154 χ^2/NDF: 2687.1/29

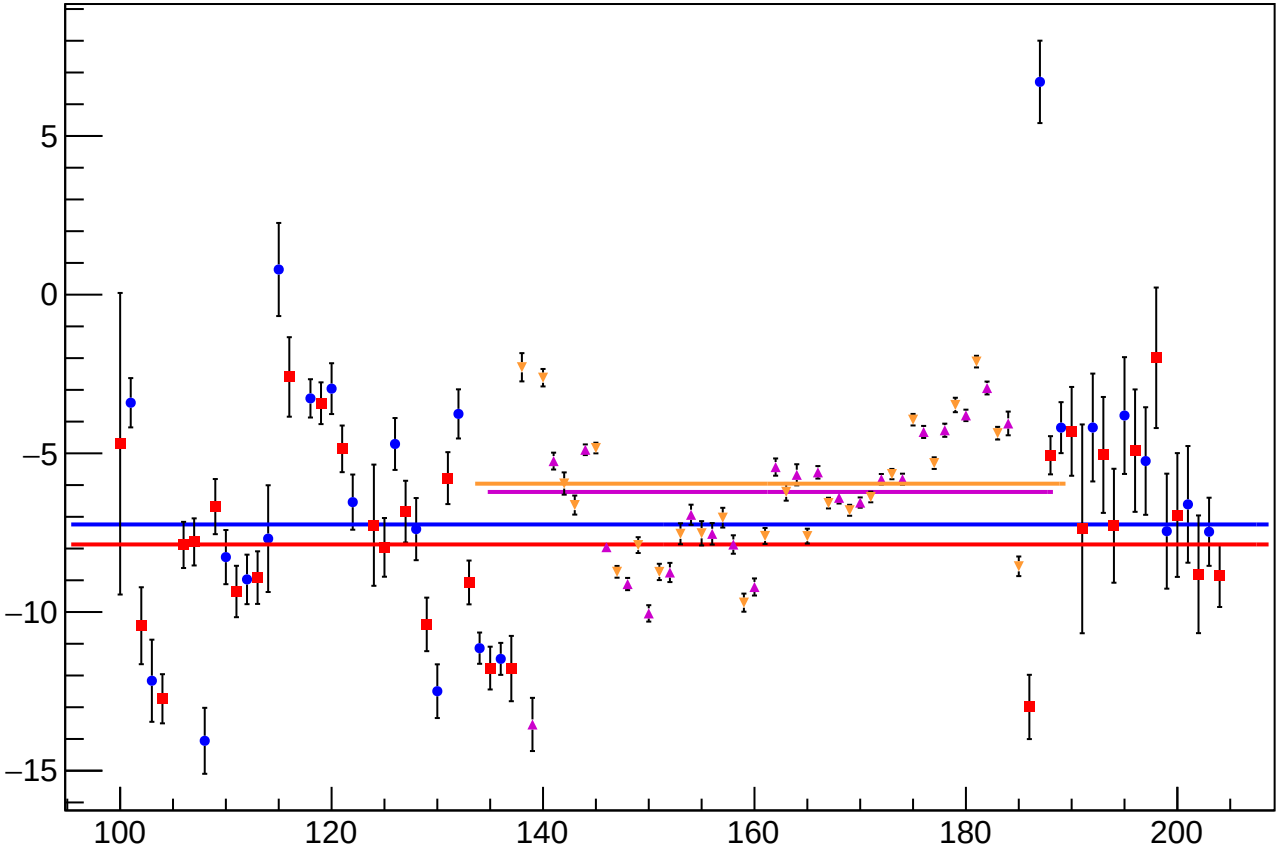
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.575+/-0.053 χ^2/NDF: 7772.1/48

All: -29.301+/-0.038 χ^2/NDF: 15868.4/101

- sign -29.026+/-0.053 χ^2/NDF: 8043.4/52

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.241+/-0.180 χ^2/NDF: 530.7/23

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.871+/-0.174 χ^2/NDF: 266.3/29

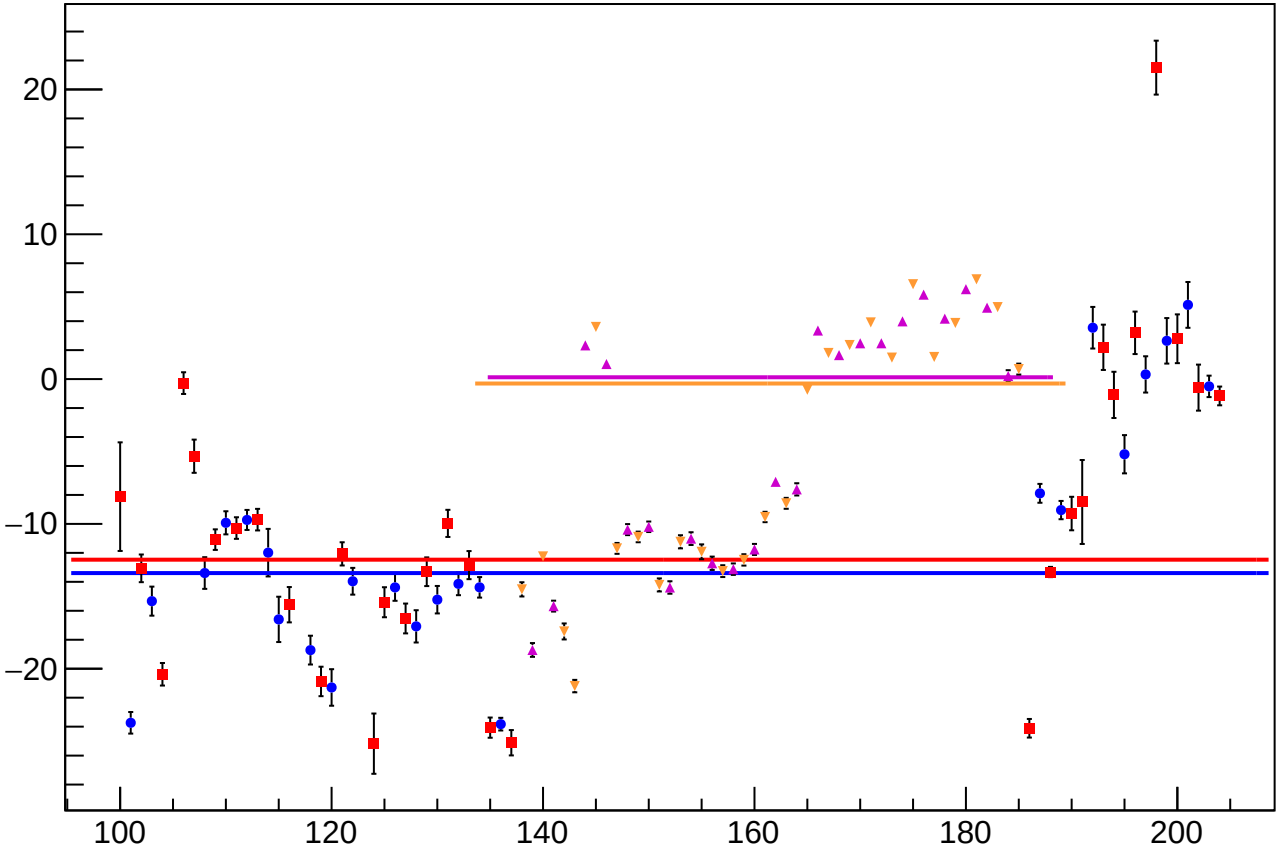
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.030+/-0.043 χ^2/NDF: 2436.6/48

All: -6.174+/-0.030 χ^2/NDF: 4551.2/101

- sign -6.316+/-0.043 χ^2/NDF: 2092.5/52

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -13.396+/-0.177 χ^2/NDF: 1863.9/23

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -12.471+/-0.160 χ^2/NDF: 2436.2/29

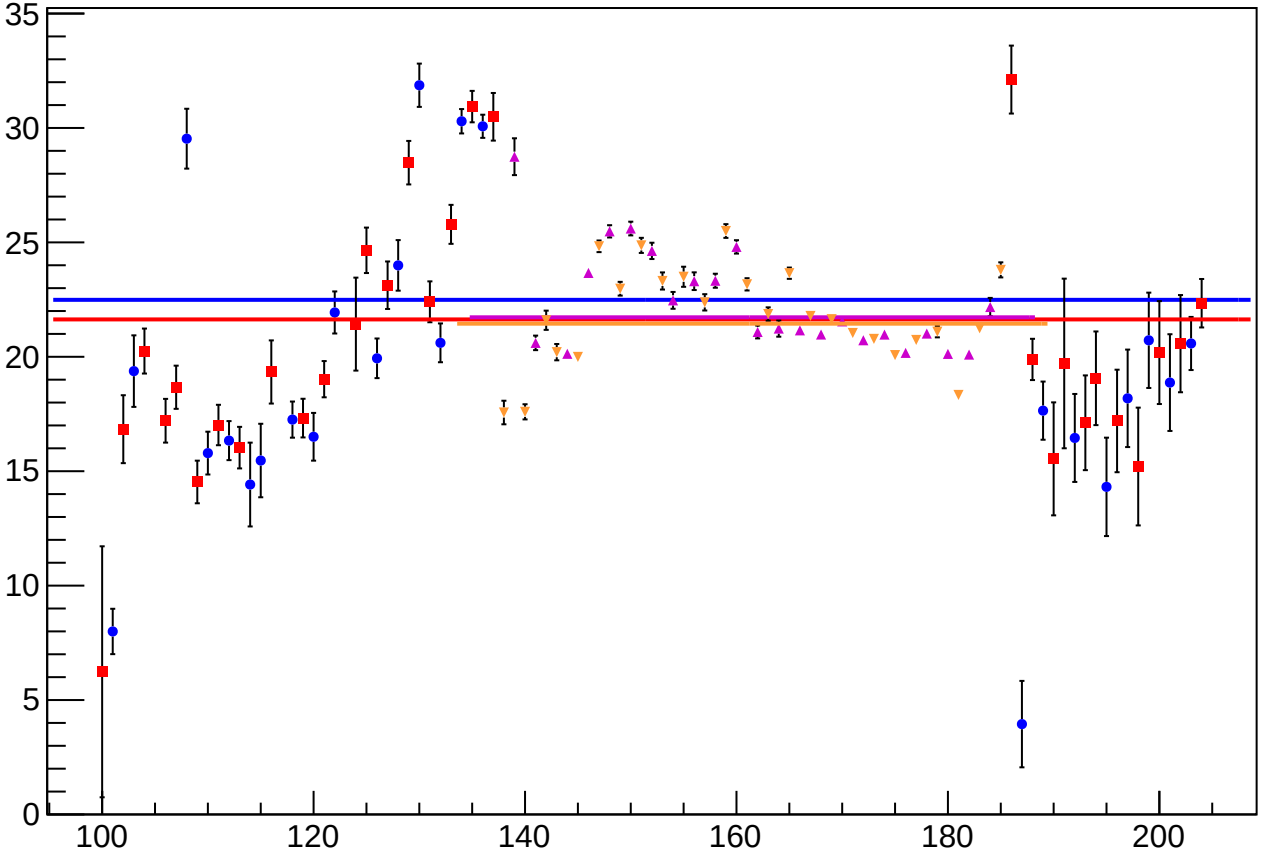
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.521+/-0.054 χ^2/NDF: 24019.5/48

All: -1.404+/-0.038 χ^2/NDF: 45775.7/101

- sign -1.286+/-0.054 χ^2/NDF: 21746.7/52

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.489+/-0.205 χ^2/NDF: 1164.8/23

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.633+/-0.204 χ^2/NDF: 636.0/29

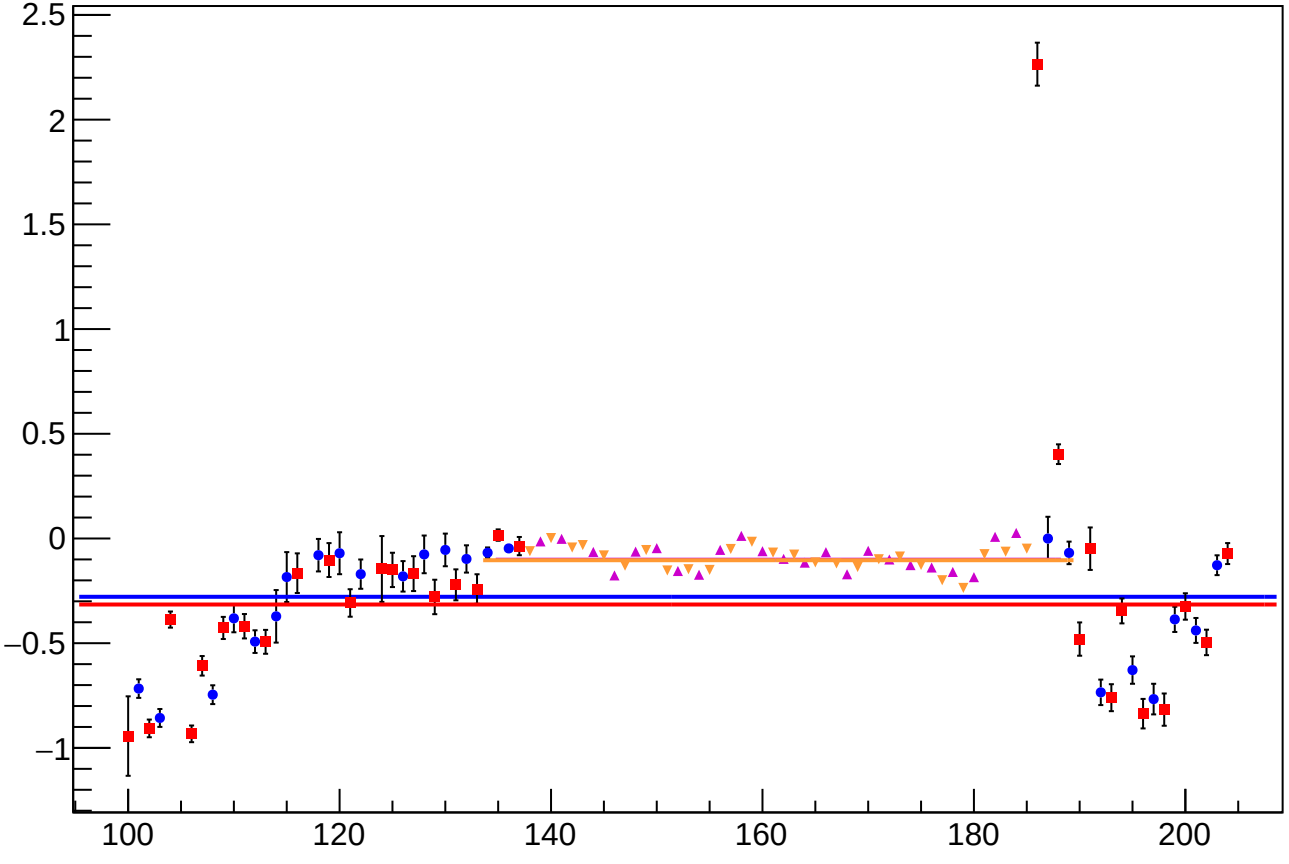
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.504+/-0.048 χ^2/NDF: 2514.5/48

All: 21.612+/-0.034 χ^2/NDF: 4334.4/101

- sign 21.720+/-0.048 χ^2/NDF: 1809.9/52

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.278+/-0.010 χ^2/NDF: 811.8/23

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.315+/-0.010 χ^2/NDF: 1772.4/29

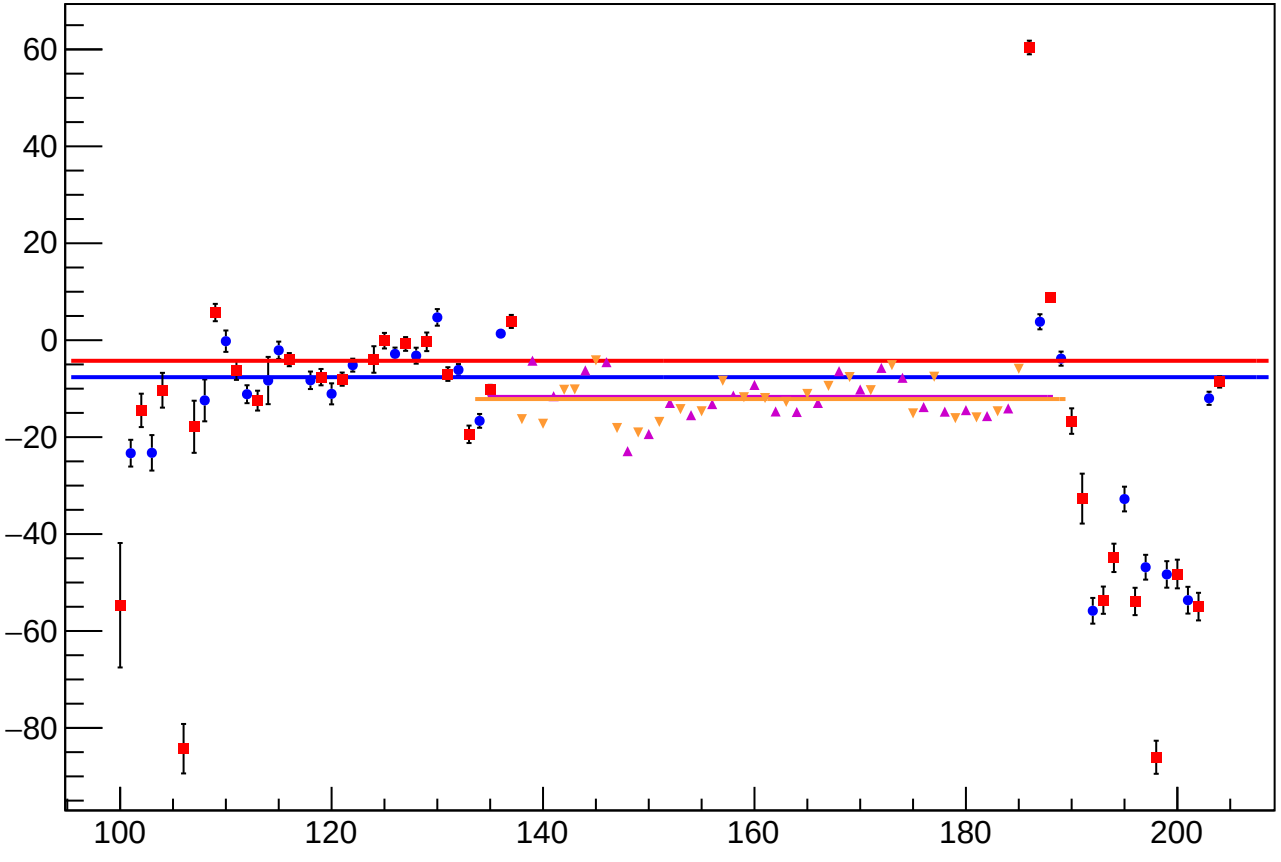
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.111+/-0.002 χ^2/NDF: 1635.8/48

All: -0.111+/-0.002 χ^2/NDF: 4567.7/101

- sign -0.111+/-0.002 χ^2/NDF: 2931.8/52

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -7.628+/-0.333 χ^2/NDF: 1604.0/23

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -4.250+/-0.322 χ^2/NDF: 4842.6/29

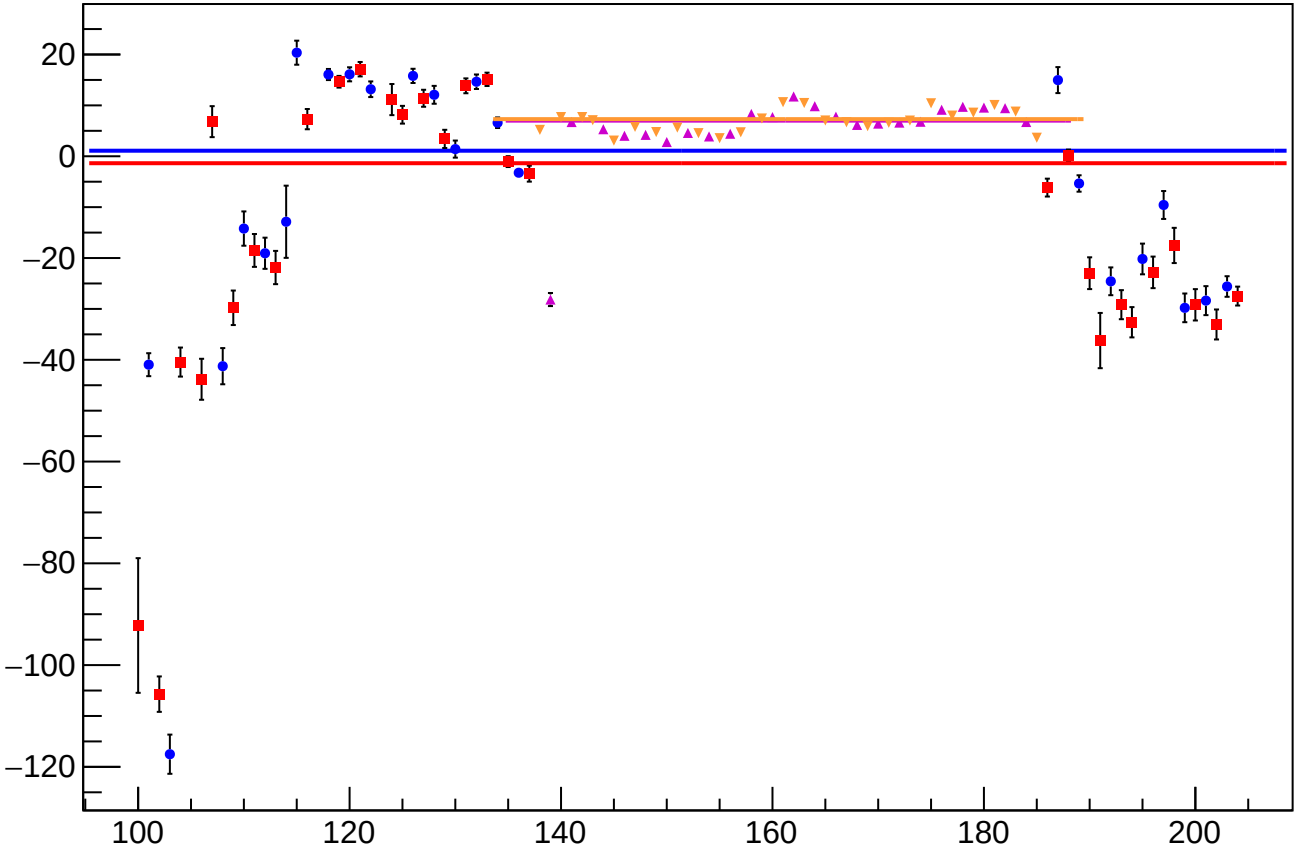
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.826+/-0.088 χ^2/NDF: 3905.2/48

All: -11.478+/-0.063 χ^2/NDF: 11222.9/101

- sign -11.111+/-0.091 χ^2/NDF: 7285.7/52

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 1.091+/-0.350 χ^2/NDF: 2838.0/23

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -1.366+/-0.359 χ^2/NDF: 2919.8/29

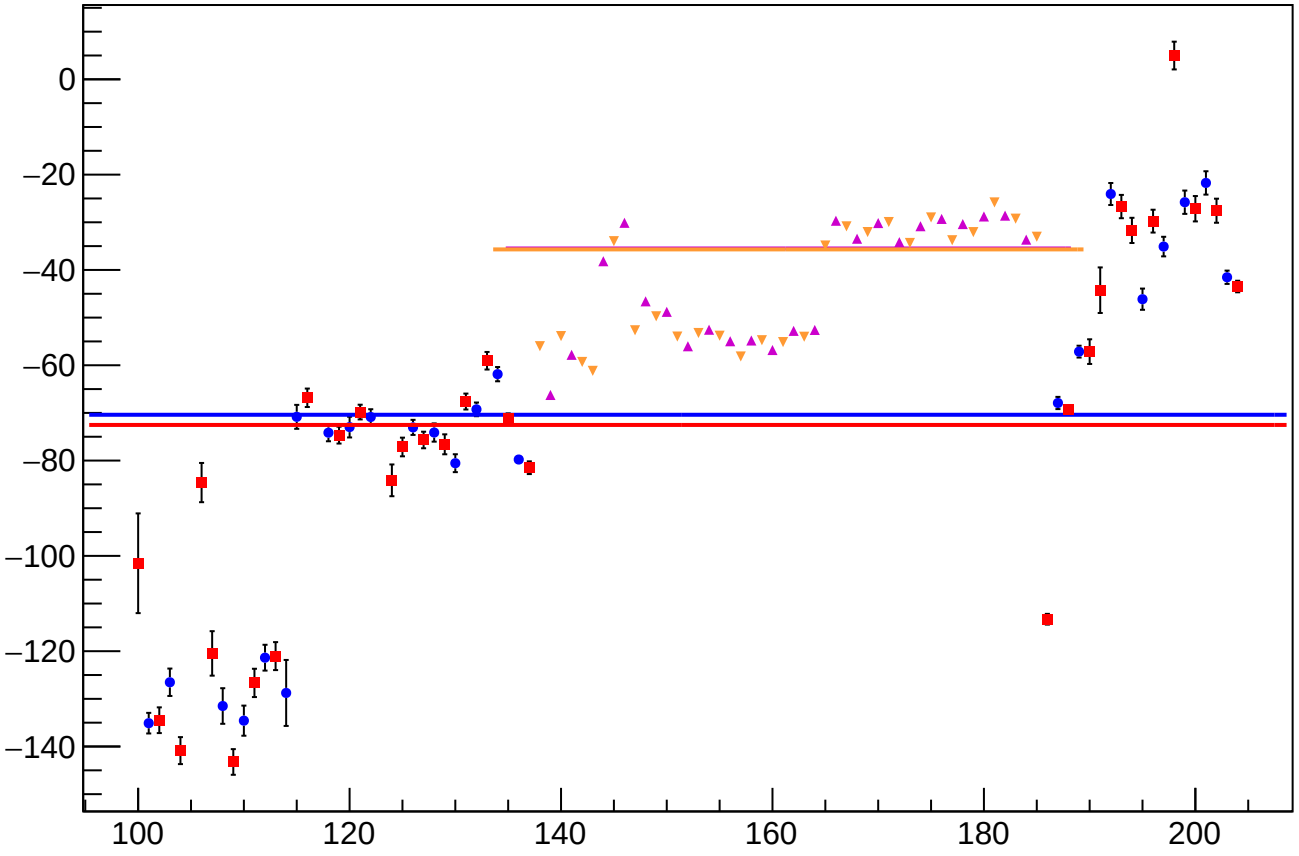
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.025+/-0.073 χ^2/NDF: 3961.0/48

All: 6.838+/-0.052 χ^2/NDF: 8989.4/101

- sign 6.646+/-0.074 χ^2/NDF: 5015.2/52

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -70.389+/-0.343 χ^2/NDF: 4735.2/23

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -72.524+/-0.324 χ^2/NDF: 6878.4/29

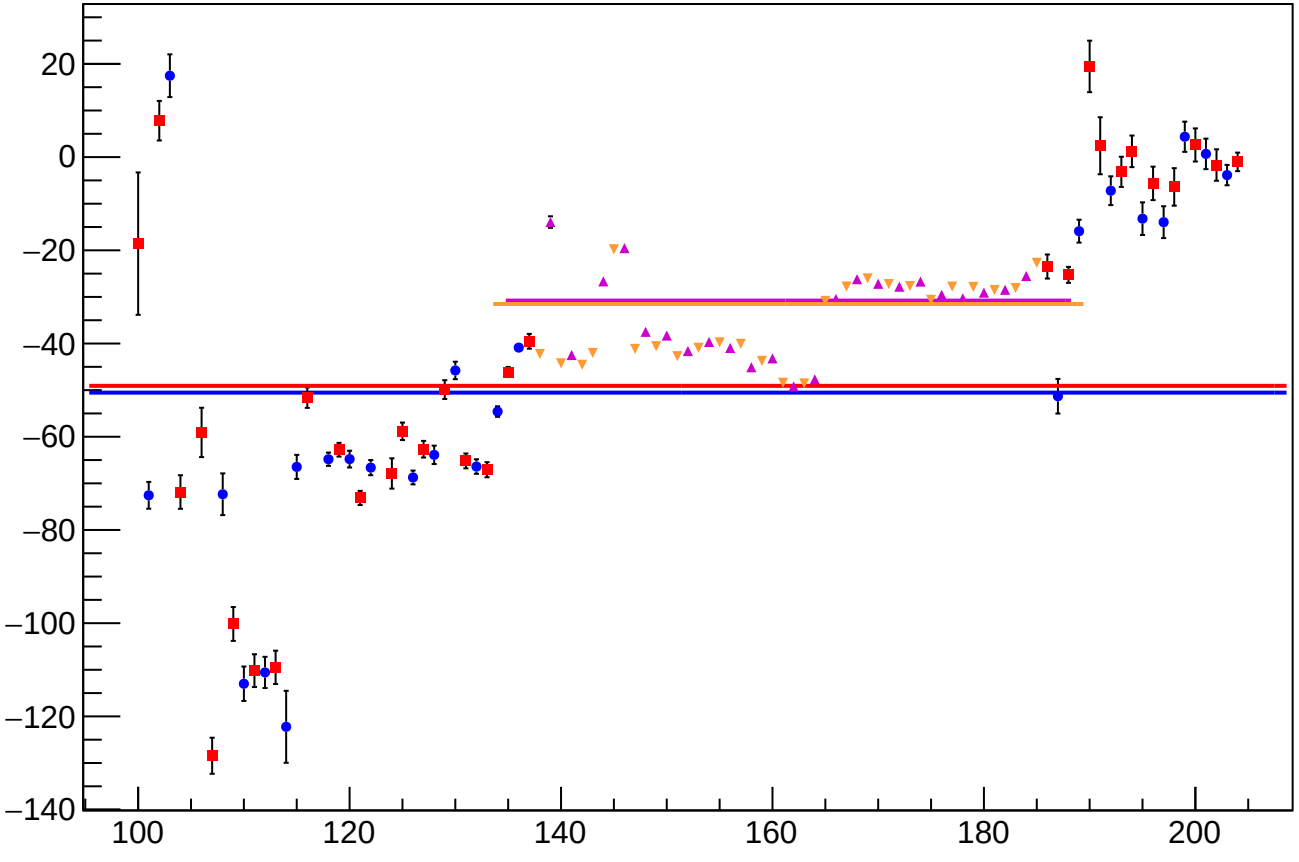
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

\+ sign -38.026+/-0.089 χ^2/NDF: 27042.4/48

All: -38.214+/-0.064 χ^2/NDF: 57146.8/101

\- sign -38.410+/-0.091 χ^2/NDF: 30095.3/52

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -50.533+/-0.394 χ^2/NDF: 3375.0/23

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -49.078+/-0.415 χ^2/NDF: 4345.1/29

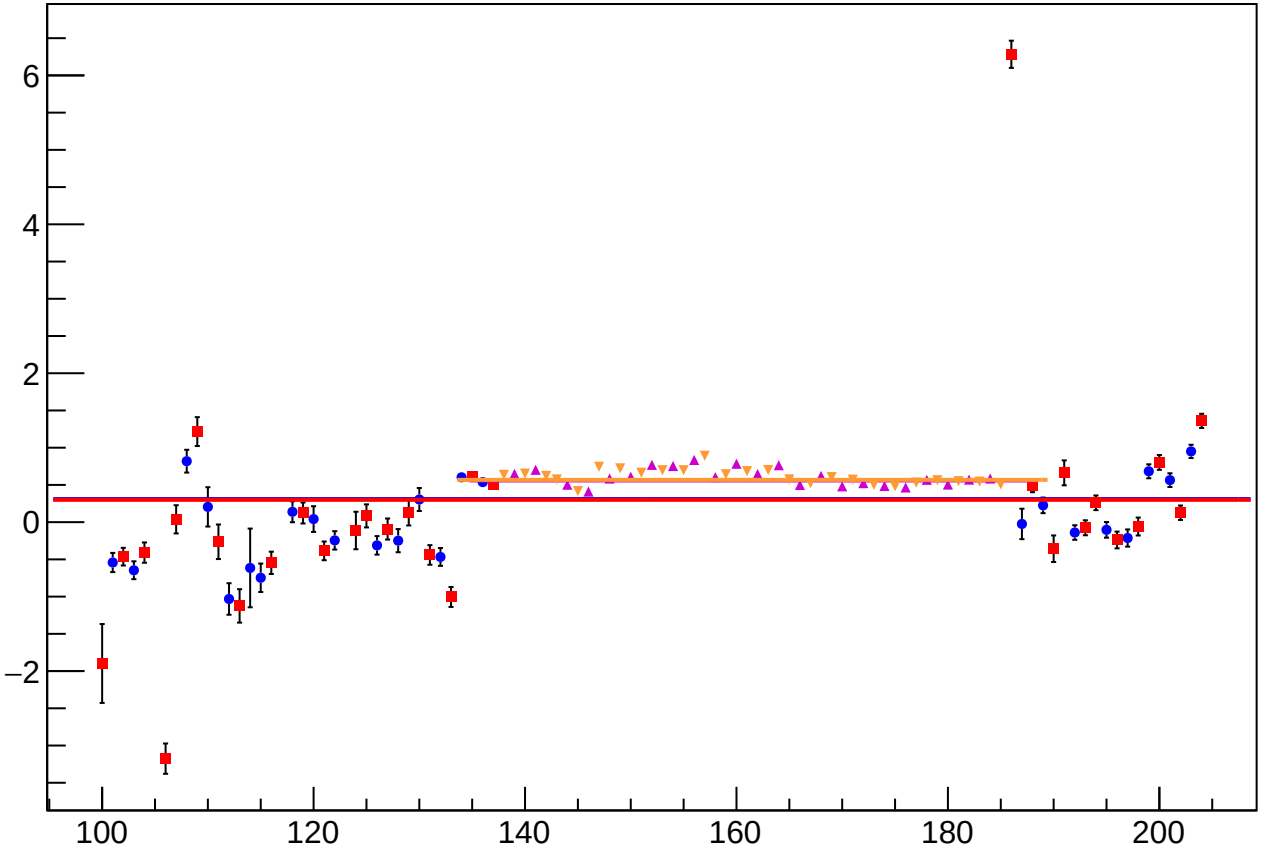
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.322+/-0.081 χ^2/NDF: 14057.5/48

All: -31.926+/-0.058 χ^2/NDF: 27869.0/101

- sign -31.515+/-0.083 χ^2/NDF: 13762.8/52

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.019 χ^2/NDF: 510.5/23

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.300+/-0.021 χ^2/NDF: 2005.8/29

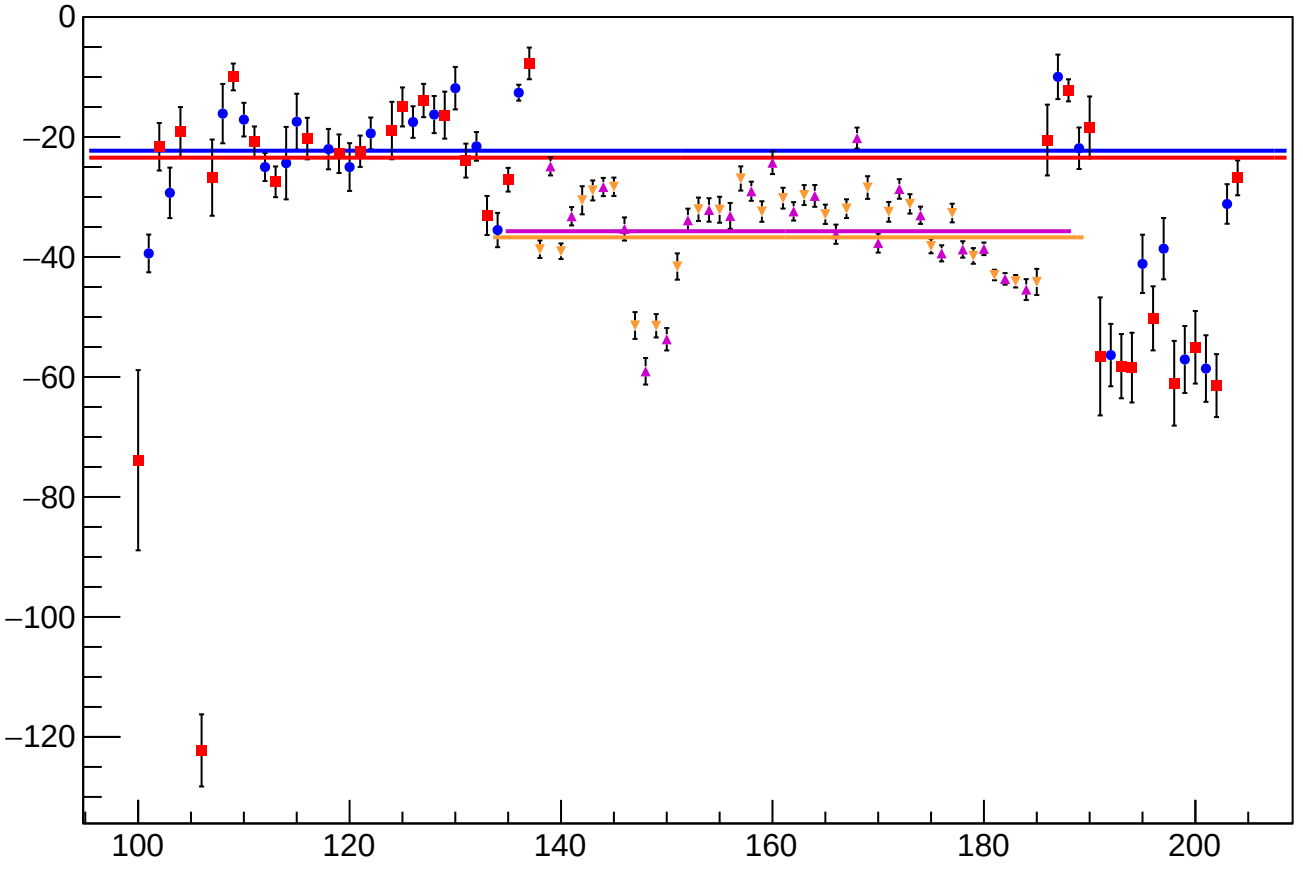
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.559+/-0.004 χ^2/NDF: 1235.6/48

All: 0.556+/-0.003 χ^2/NDF: 4067.5/101

- sign 0.552+/-0.004 χ^2/NDF: 2829.7/52

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -22.283+/-0.632 χ^2/NDF: 300.2/23

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -23.444+/-0.616 χ^2/NDF: 656.8/29

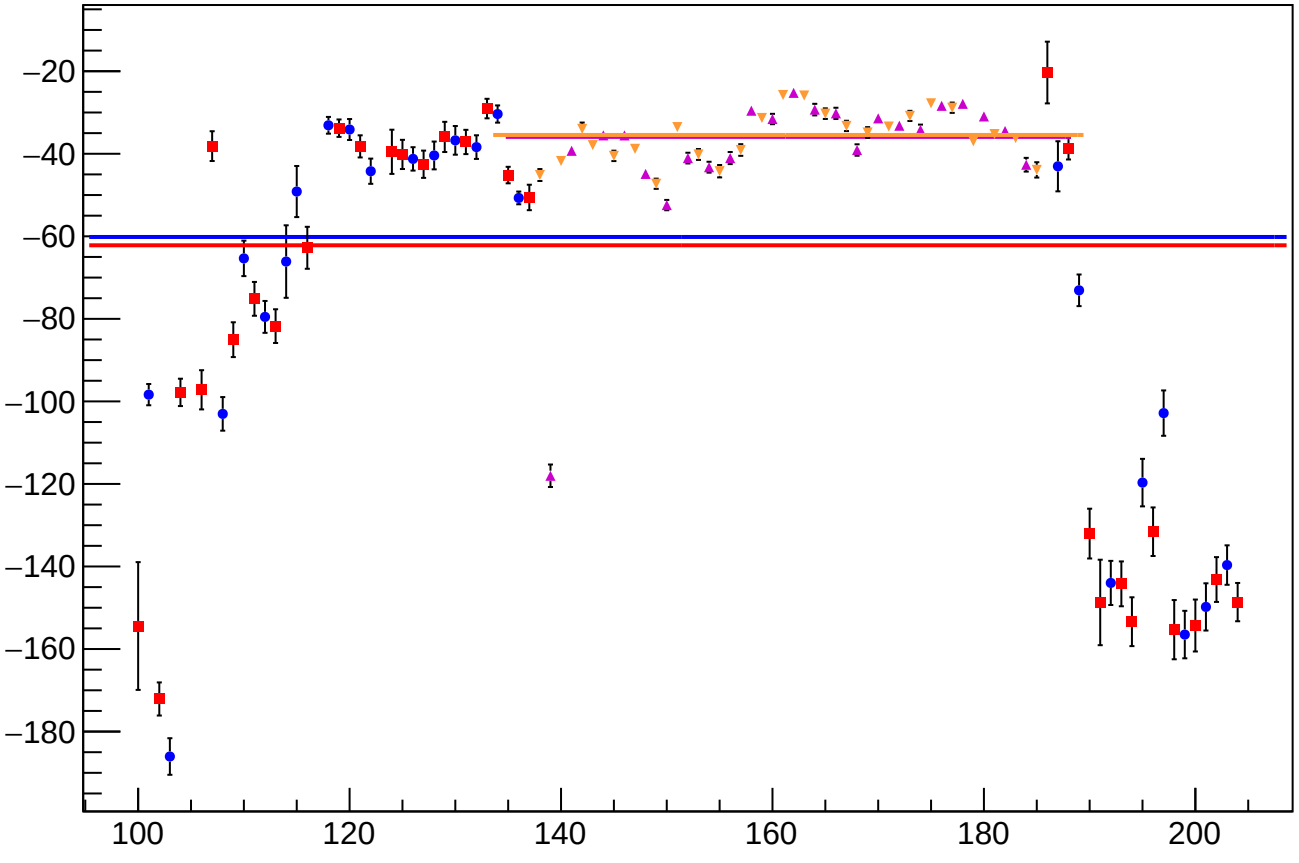
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.922+/-0.278 χ^2/NDF: 1141.4/48

All: -33.502+/-0.200 χ^2/NDF: 2692.4/101

- sign -33.058+/-0.286 χ^2/NDF: 1546.3/52

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -60.160+/-0.660 χ^2/NDF: 3136.2/23

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -62.176+/-0.674 χ^2/NDF: 3694.3/29

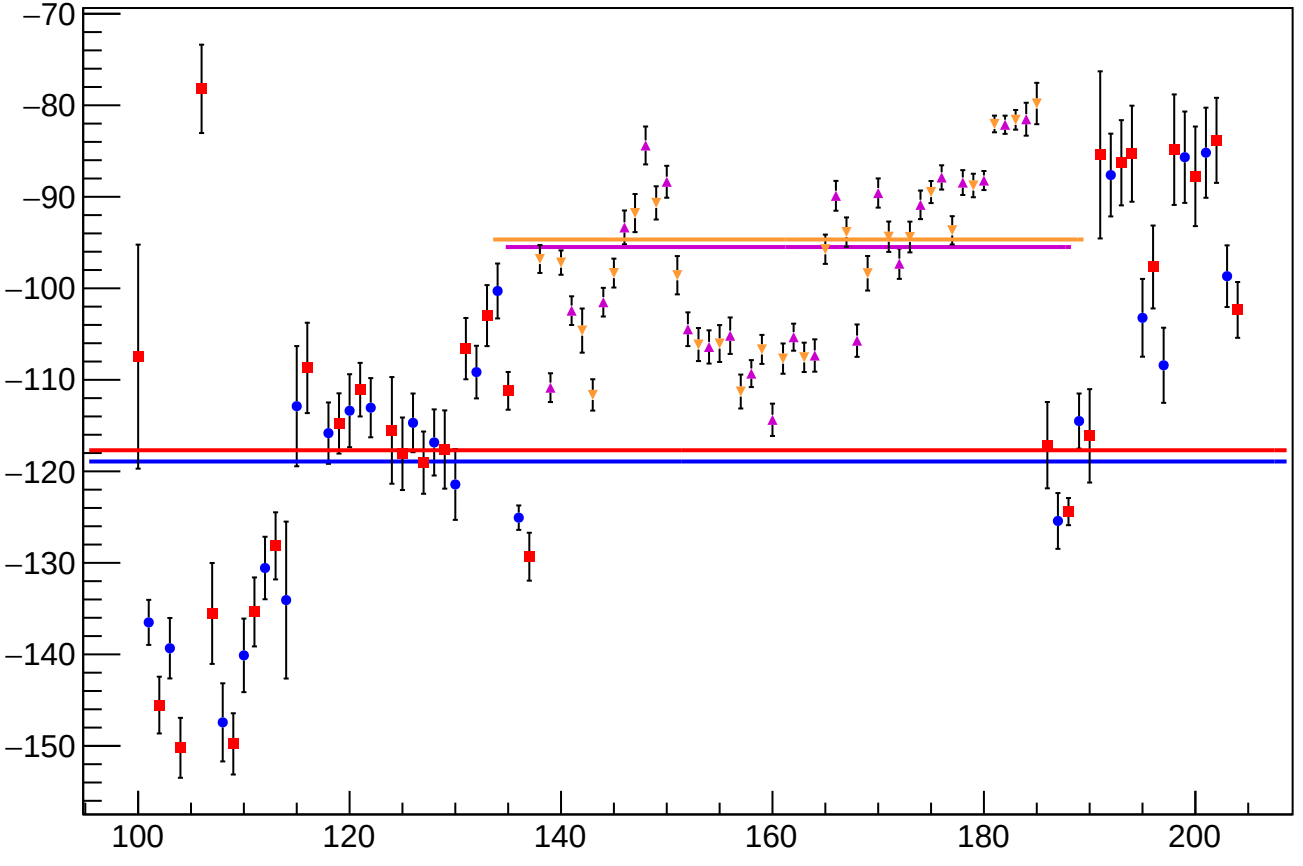
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -38.429+/-0.230 χ^2/NDF: 4905.4/48

All: -38.813+/-0.166 χ^2/NDF: 11476.2/101

- sign -39.229+/-0.239 χ^2/NDF: 6565.0/52

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -118.922+/-0.655 χ^2/NDF: 459.1/23

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -117.695+/-0.638 χ^2/NDF: 723.3/29

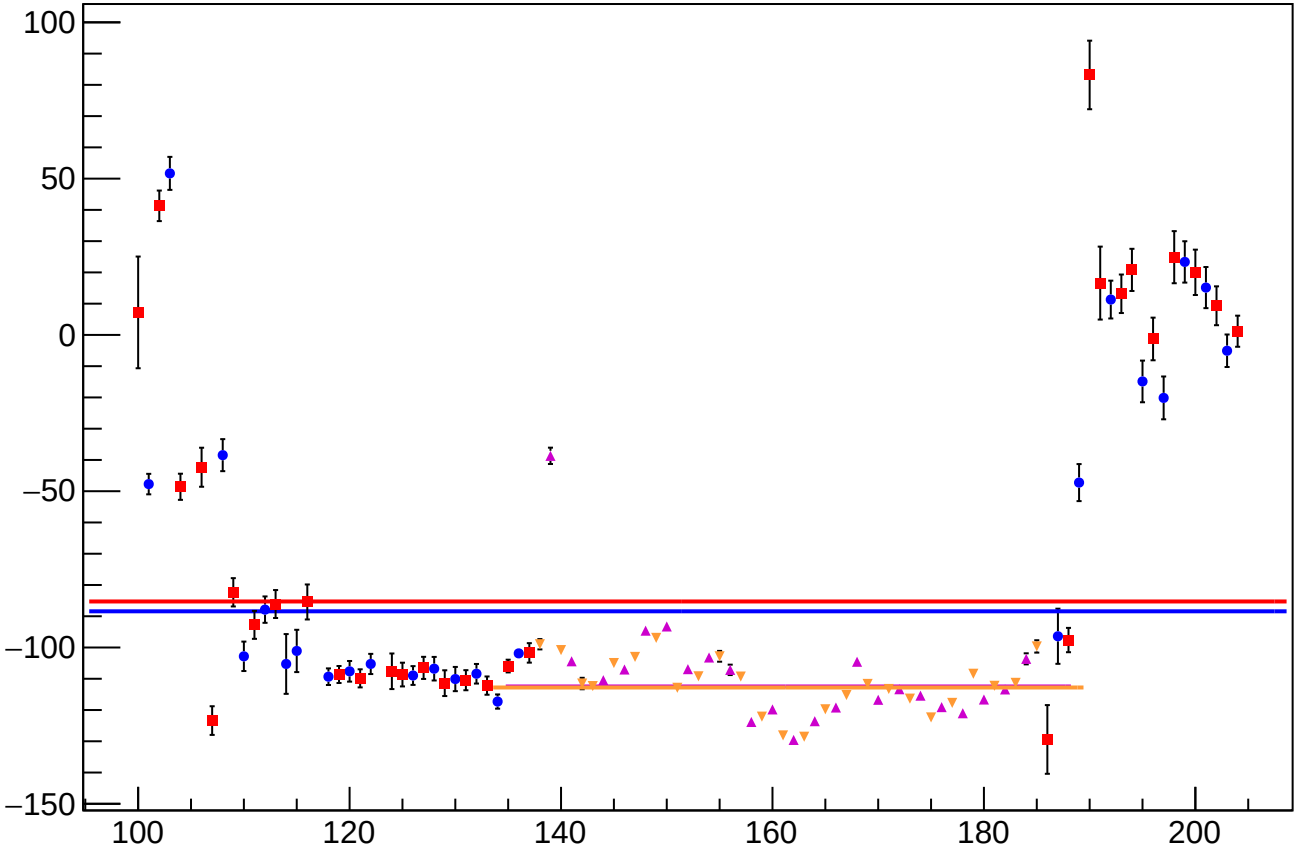
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.095+/-0.280 χ^2/NDF: 2479.3/48

All: -99.524+/-0.200 χ^2/NDF: 5143.1/101

- sign -99.975+/-0.287 χ^2/NDF: 2659.0/52

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -88.420+/-0.748 χ^2/NDF: 2803.6/23

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -85.272+/-0.774 χ^2/NDF: 3358.3/29

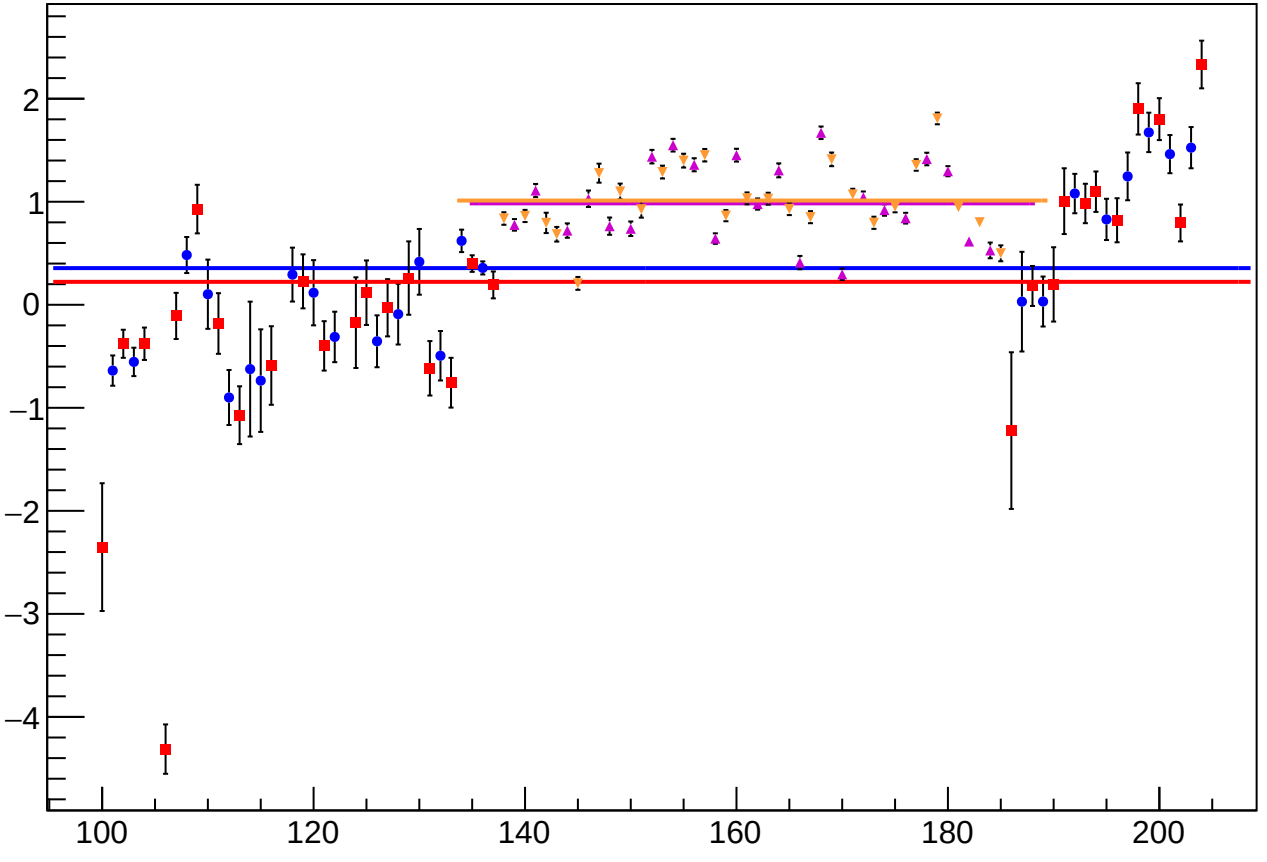
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -109.912+/-0.257 χ^2/NDF: 4675.4/48

All: -109.581+/-0.185 χ^2/NDF: 10911.9/101

- sign -109.225+/-0.267 χ^2/NDF: 6233.1/52

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.356+/-0.036 χ^2/NDF: 310.7/23

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.223+/-0.038 χ^2/NDF: 740.6/29

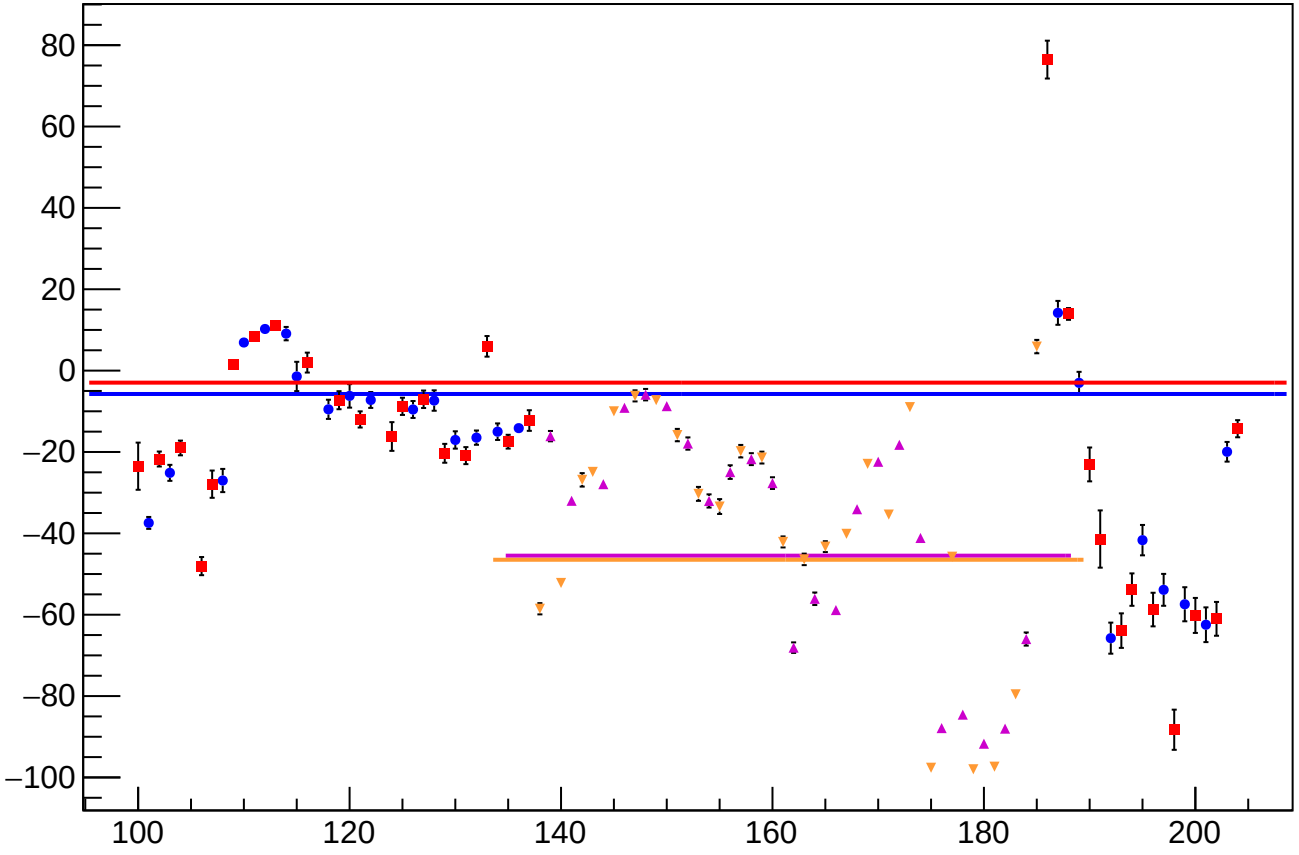
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.944+/-0.012 χ^2/NDF: 1296.1/48

All: 0.927+/-0.008 χ^2/NDF: 3310.8/101

- sign 0.908+/-0.012 χ^2/NDF: 2009.9/52

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -5.745+/-0.358 χ^2/NDF: 2464.6/23

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -2.956+/-0.318 χ^2/NDF: 3274.2/29

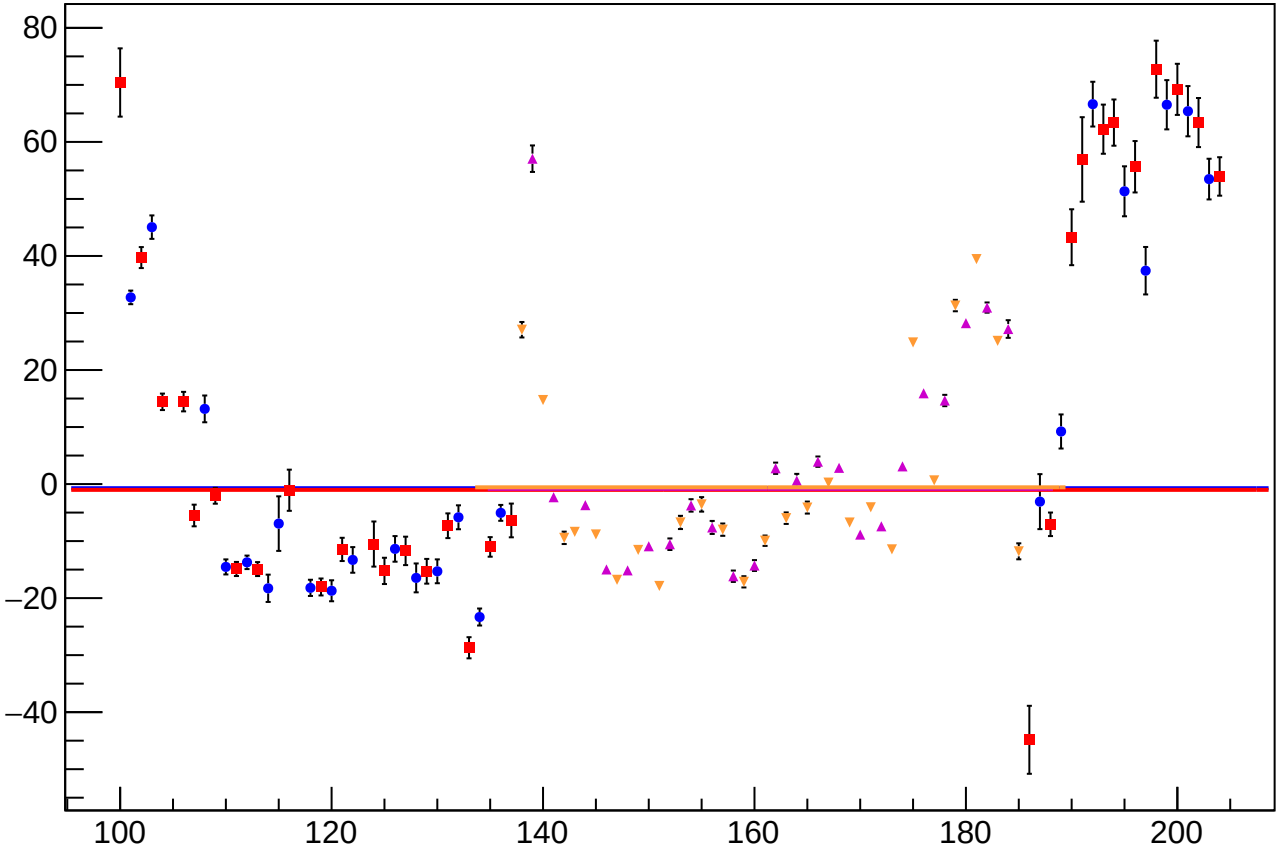
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.601+/-0.194 χ^2/NDF: 31664.6/48

All: -32.386+/-0.136 χ^2/NDF: 62241.7/101

- sign -30.245+/-0.190 χ^2/NDF: 30319.8/52

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -0.726+/-0.412 χ^2/NDF: 3463.8/23

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -1.016+/-0.397 χ^2/NDF: 3404.9/29

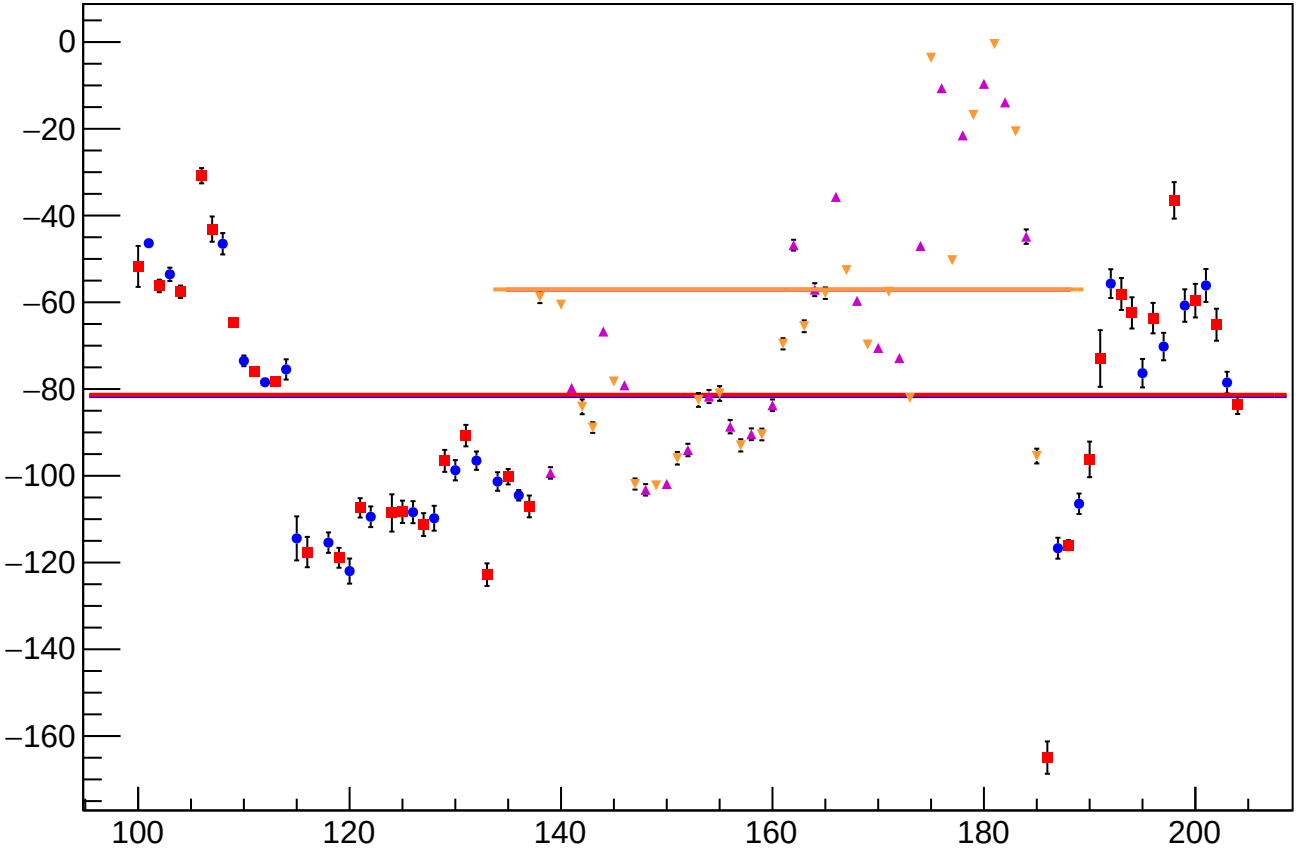
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -0.596+/-0.163 χ^2/NDF: 11915.3/48

All: -0.726+/-0.116 χ^2/NDF: 21438.3/101

- sign -0.861+/-0.166 χ^2/NDF: 9521.7/52

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.620+/-0.404 χ^2/NDF: 3348.6/23

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -81.320+/-0.371 χ^2/NDF: 4870.4/29

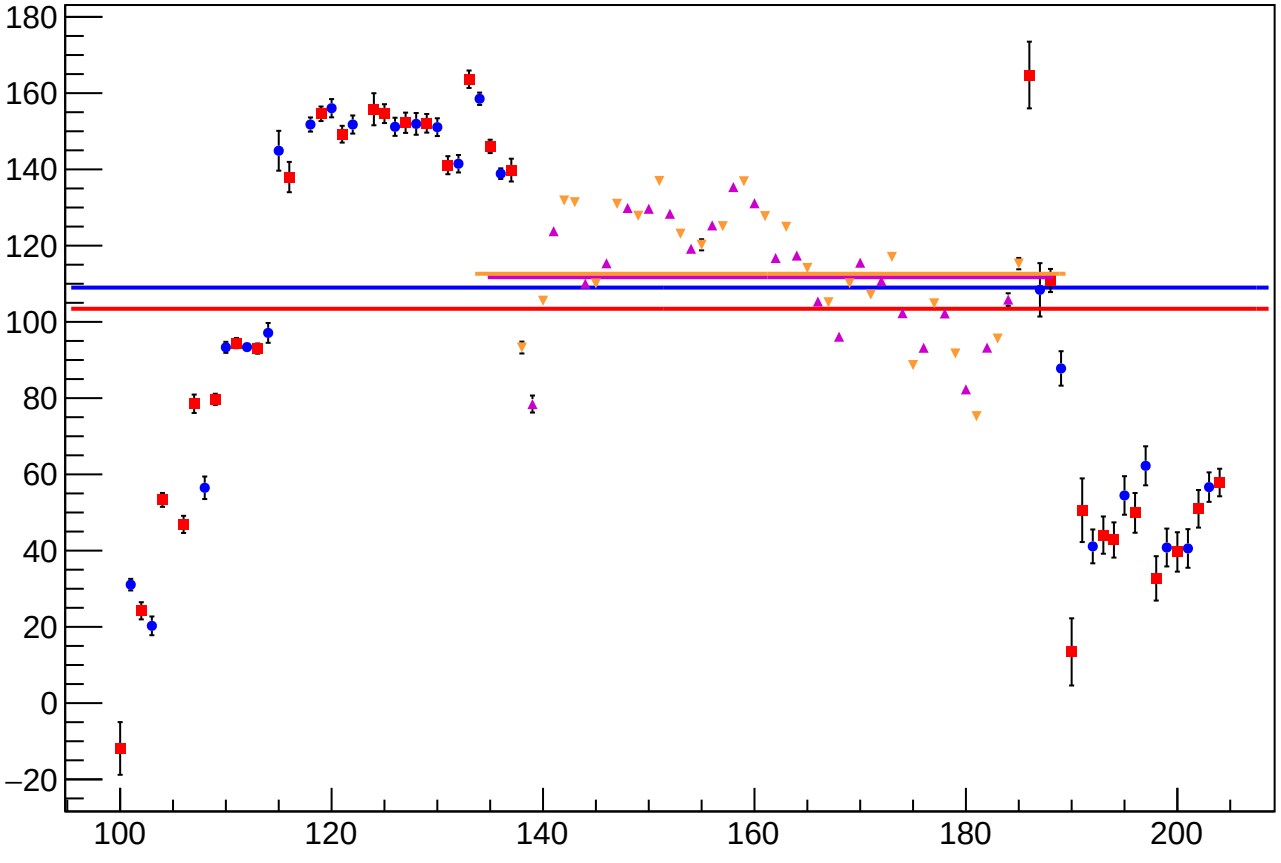
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -63.054+/-0.200 χ^2/NDF: 26461.9/48

All: -63.578+/-0.141 χ^2/NDF: 51548.2/101

- sign -64.101+/-0.199 χ^2/NDF: 25072.5/52

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 108.995+/-0.470 χ^2/NDF: 9285.8/23

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 103.438+/-0.456 χ^2/NDF: 8813.8/29

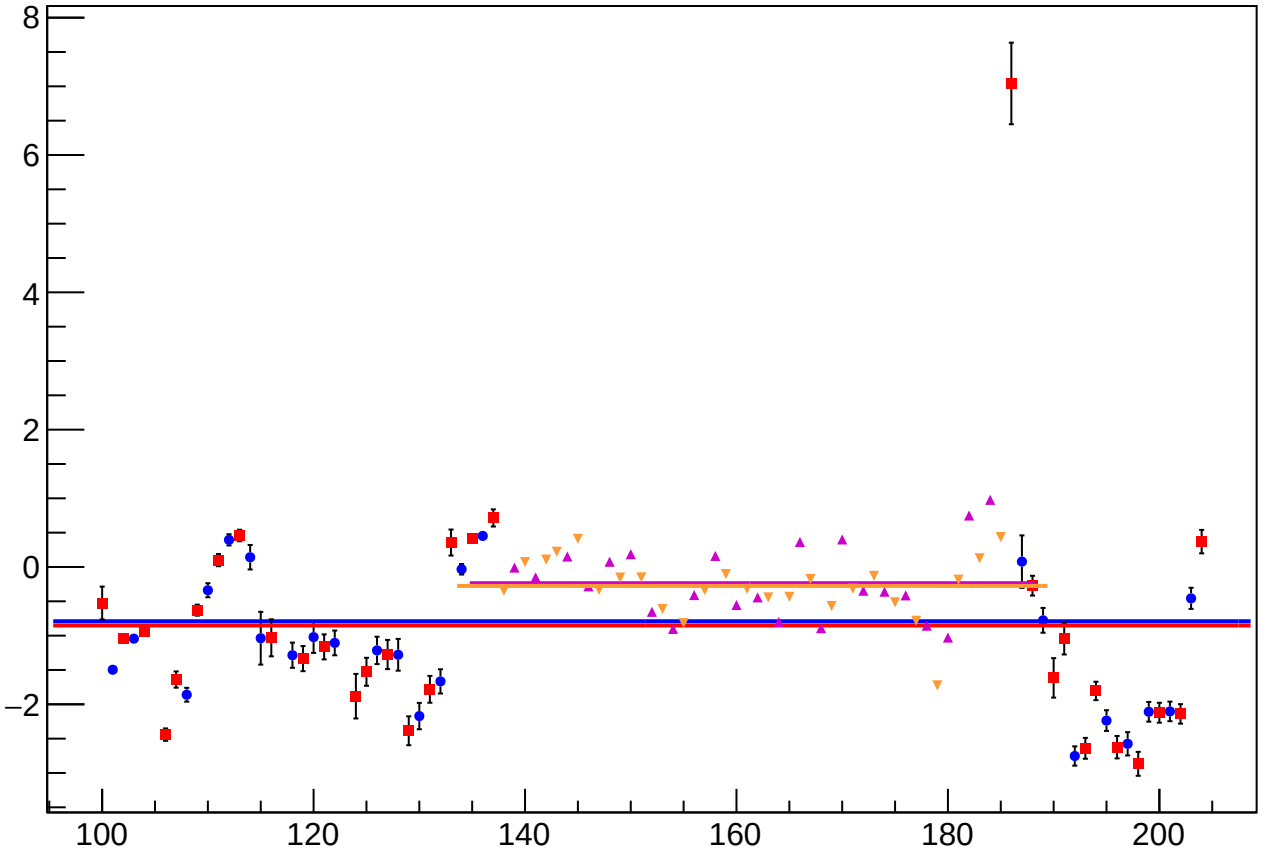
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.069+/-0.184 χ^2/NDF: 16044.3/48

All: 111.210+/-0.131 χ^2/NDF: 30073.4/101

- sign 110.316+/-0.188 χ^2/NDF: 13984.6/52

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.790+/-0.024 χ^2/NDF: 1747.3/23

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.852+/-0.023 χ^2/NDF: 2226.9/29

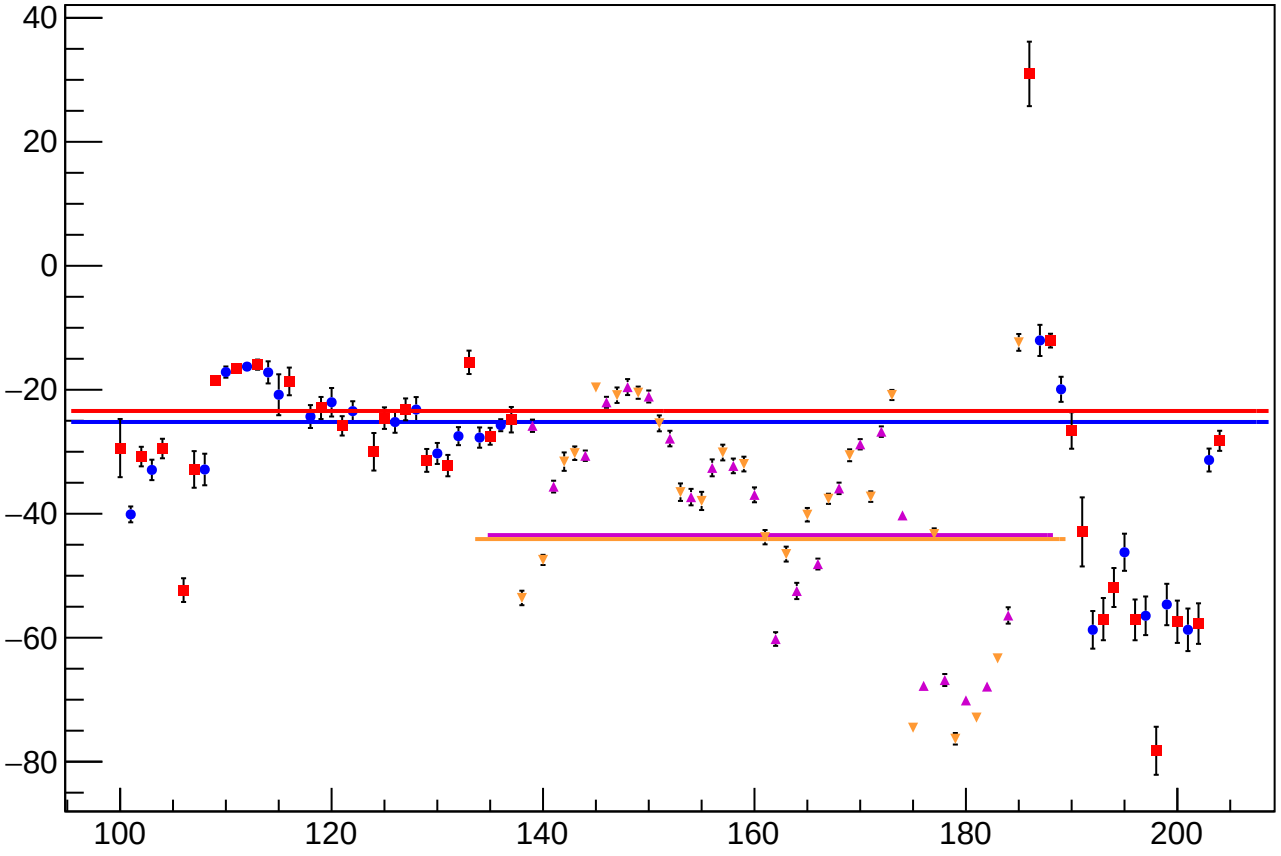
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.341+/-0.008 χ^2/NDF: 4288.0/48

All: -0.333+/-0.006 χ^2/NDF: 10115.4/101

- sign -0.324+/-0.009 χ^2/NDF: 5825.3/52

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -25.197+/-0.326 χ^2/NDF: 917.6/23

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.421+/-0.294 χ^2/NDF: 1492.2/29

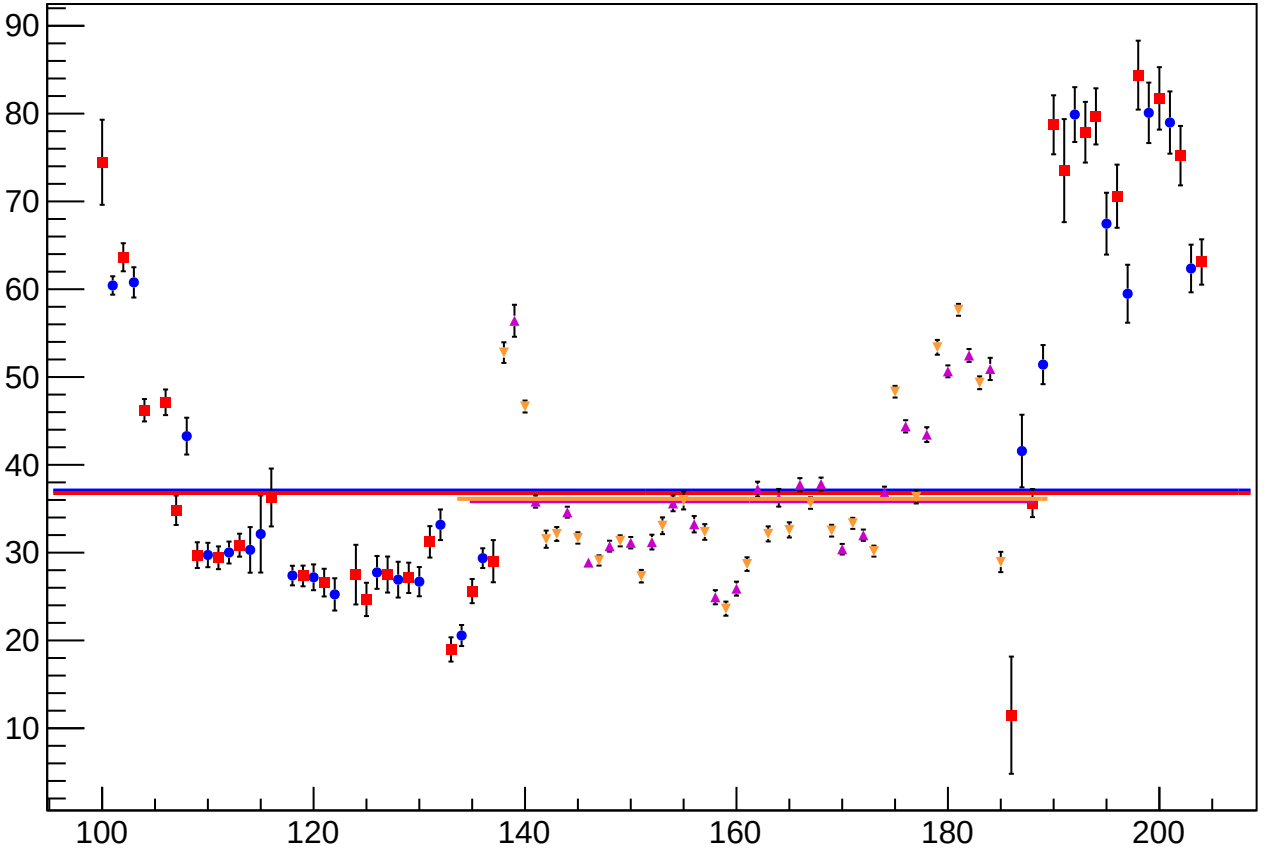
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -39.174+/-0.166 χ^2/NDF: 13749.3/48

All: -38.163+/-0.117 χ^2/NDF: 26317.3/101

- sign -37.169+/-0.165 χ^2/NDF: 12494.6/52

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 37.072+/-0.355 χ^2/NDF: 1989.8/23

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 36.791+/-0.346 χ^2/NDF: 2141.9/29

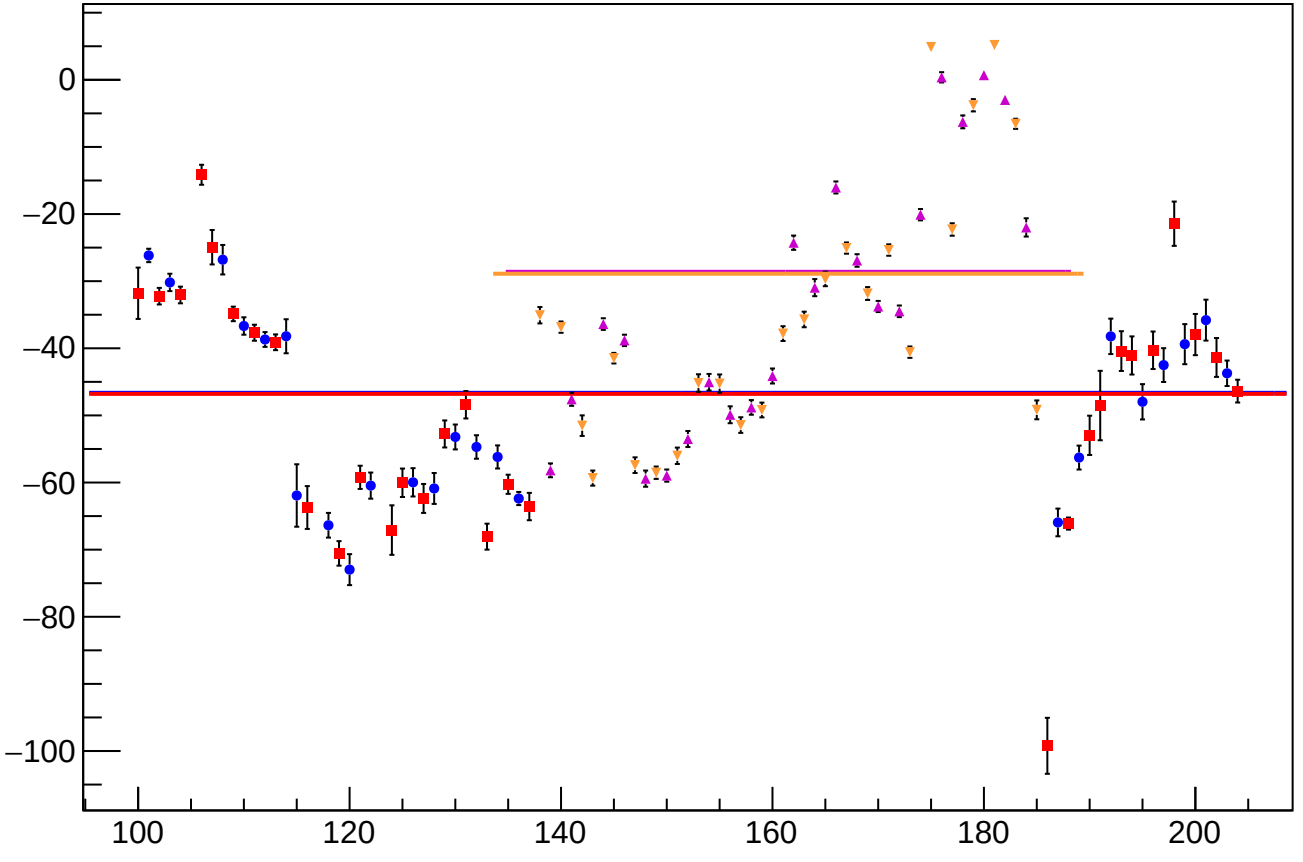
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.267+/-0.138 χ^2/NDF: 5554.4/48

All: 36.141+/-0.099 χ^2/NDF: 9997.6/101

- sign 36.009+/-0.141 χ^2/NDF: 4441.6/52

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.633+/-0.352 χ^2/NDF: 1641.8/23

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -46.789+/-0.325 χ^2/NDF: 2438.0/29

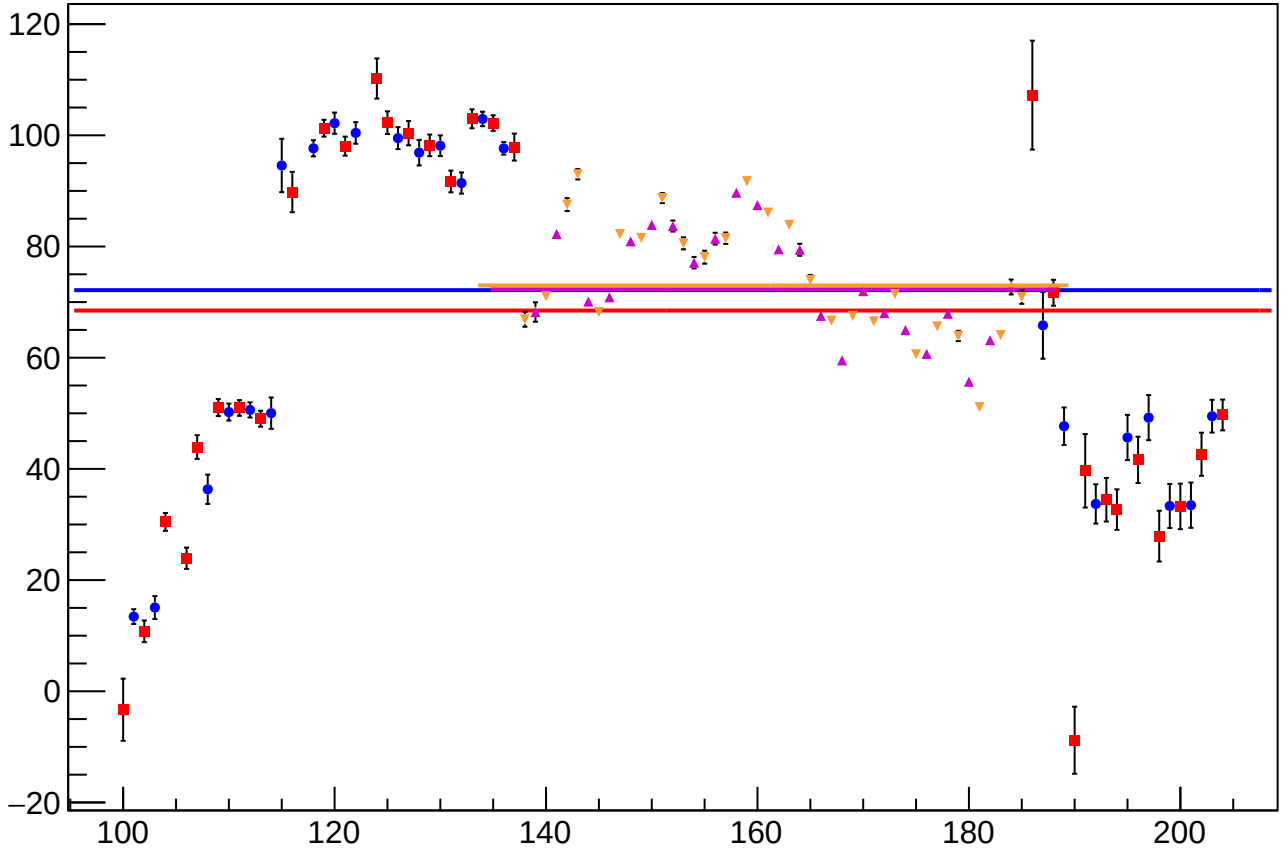
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -32.985+/-0.169 χ^2/NDF: 15395.2/48

All: -33.252+/-0.120 χ^2/NDF: 30137.0/101

- sign -33.518+/-0.169 χ^2/NDF: 14736.9/52

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.151+/-0.407 χ^2/NDF: 6366.5/23

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 68.485+/-0.399 χ^2/NDF: 6334.9/29

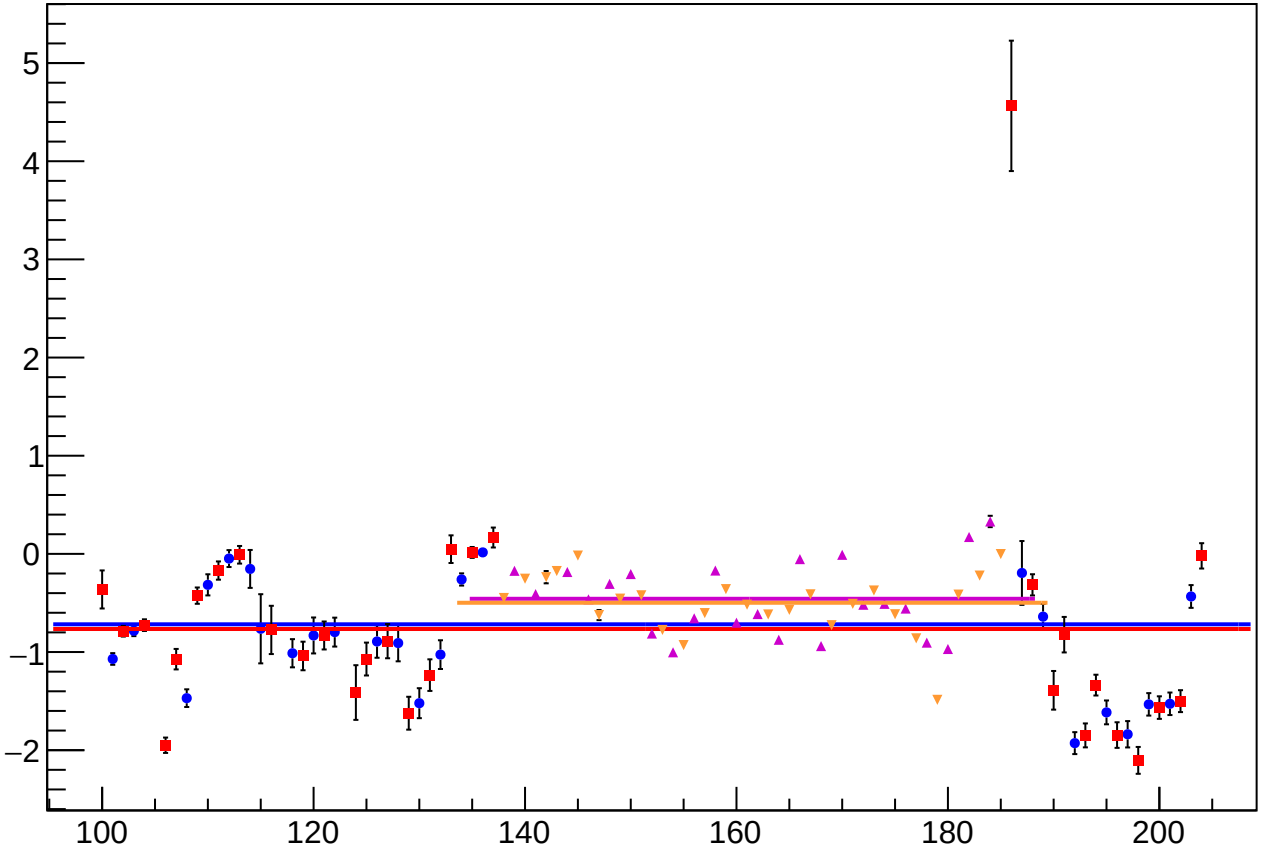
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 72.878+/-0.156 χ^2/NDF: 10422.6/48

All: 72.300+/-0.111 χ^2/NDF: 19775.0/101

- sign 71.697+/-0.159 χ^2/NDF: 9324.3/52

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.718+/-0.020 χ^2/NDF: 892.5/23

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.765+/-0.019 χ^2/NDF: 1224.2/29

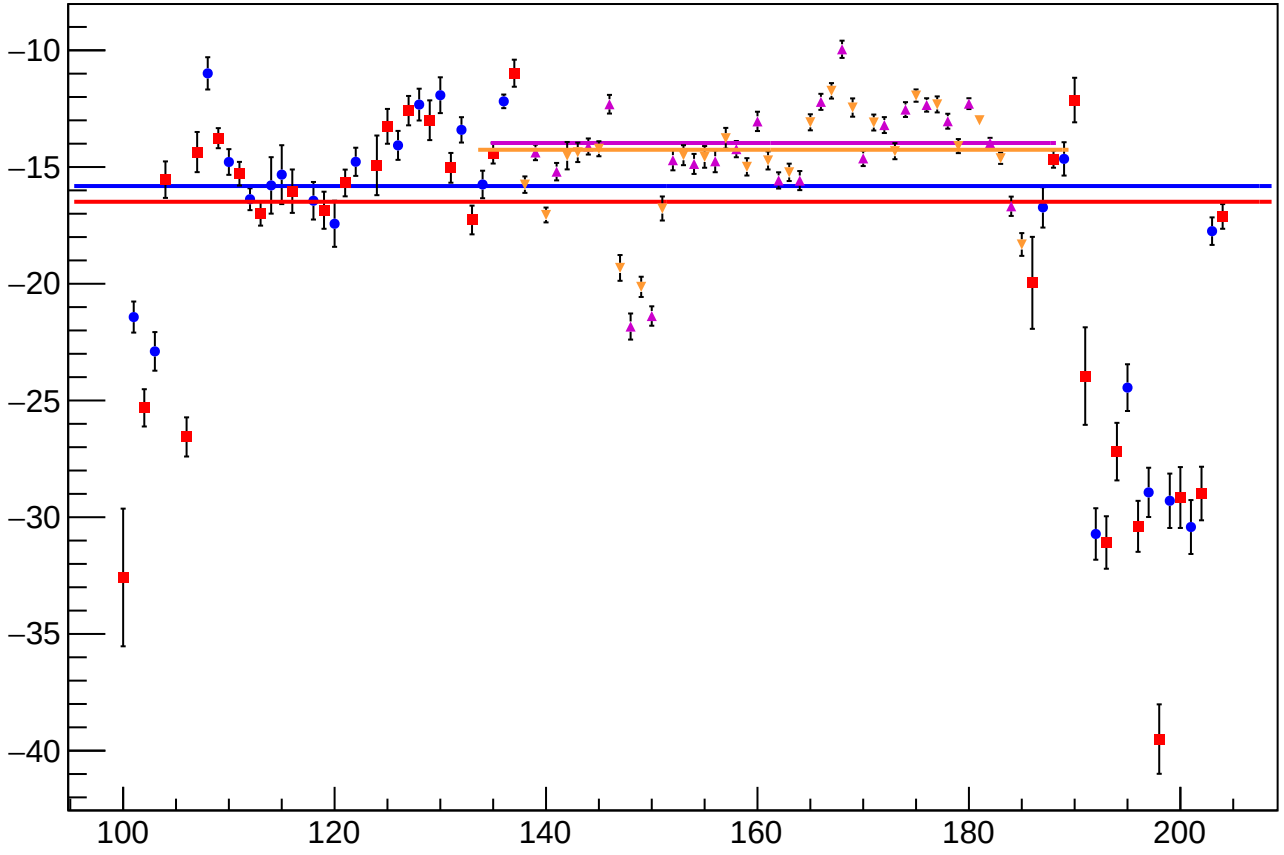
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.526+/-0.007 χ^2/NDF: 2481.8/48

All: -0.513+/-0.005 χ^2/NDF: 6034.0/101

- sign -0.499+/-0.007 χ^2/NDF: 3545.3/52

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -15.814+/-0.135 χ^2/NDF: 1158.7/23

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.488+/-0.128 χ^2/NDF: 1469.1/29

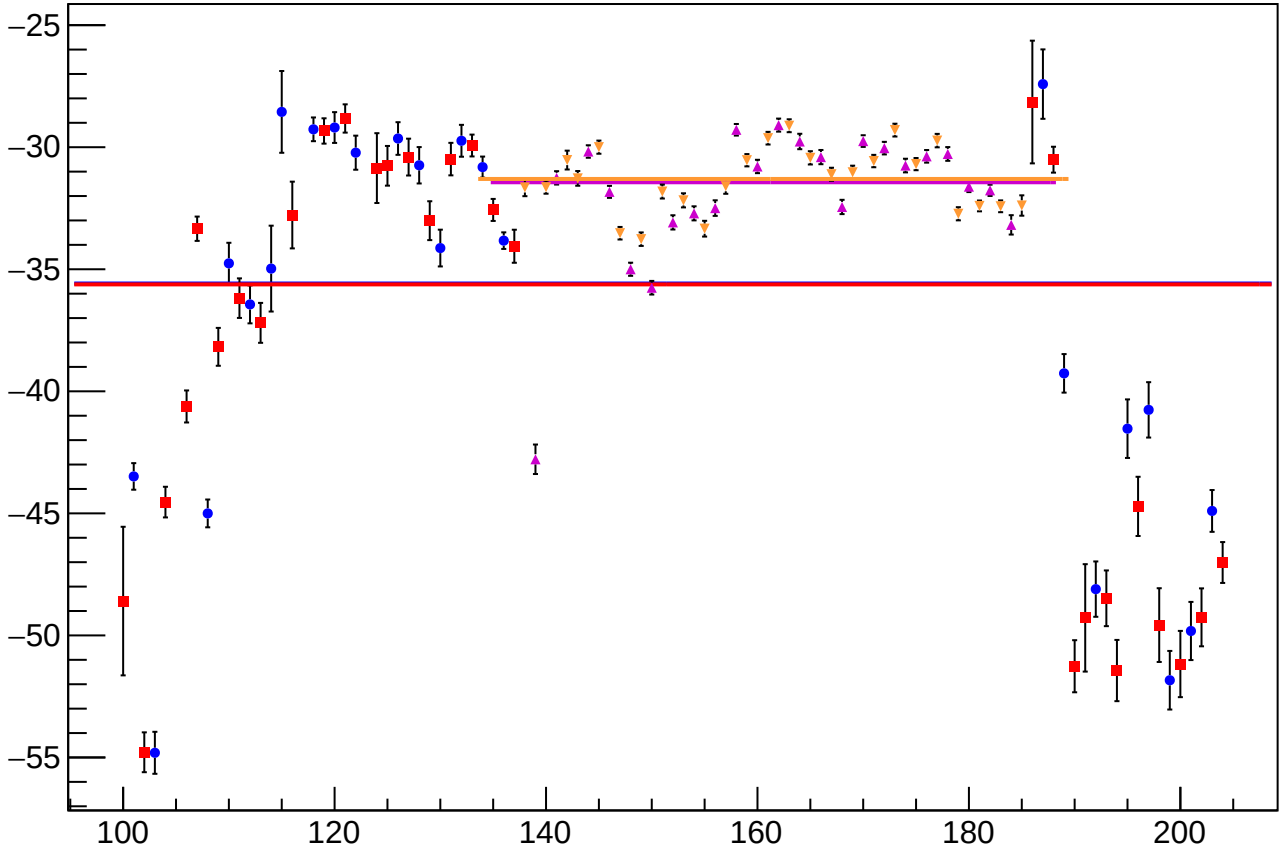
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.589+/-0.062 χ^2/NDF: 1987.7/48

All: -14.582+/-0.044 χ^2/NDF: 4658.9/101

- sign -14.574+/-0.063 χ^2/NDF: 2671.2/52

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -35.584+/-0.142 χ^2/NDF: 2355.0/23

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -35.620+/-0.139 χ^2/NDF: 2762.9/29

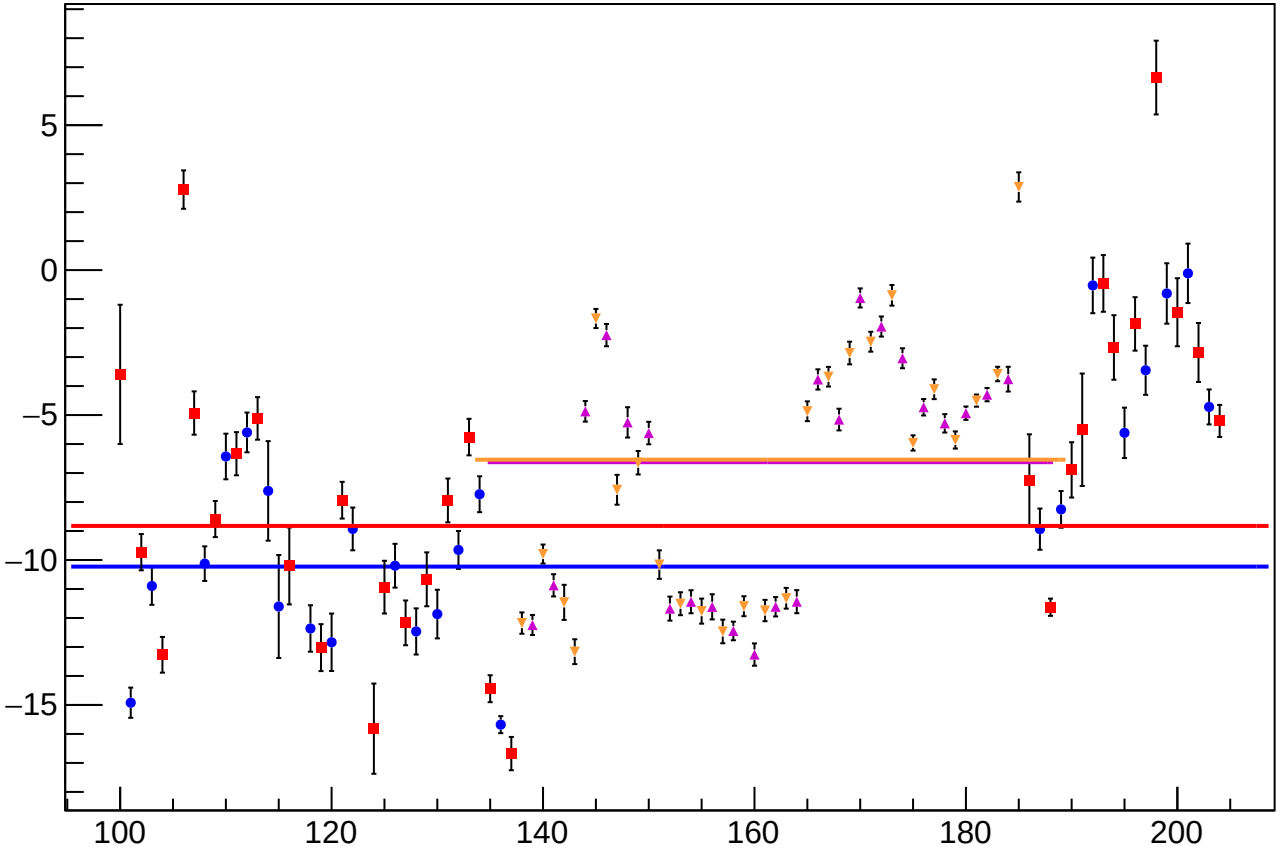
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.864+/-0.051 χ^2/NDF: 3699.6/48

All: -31.953+/-0.037 χ^2/NDF: 8462.2/101

- sign -32.047+/-0.053 χ^2/NDF: 4756.5/52

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.228+/-0.139 χ^2/NDF: 1015.2/23

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

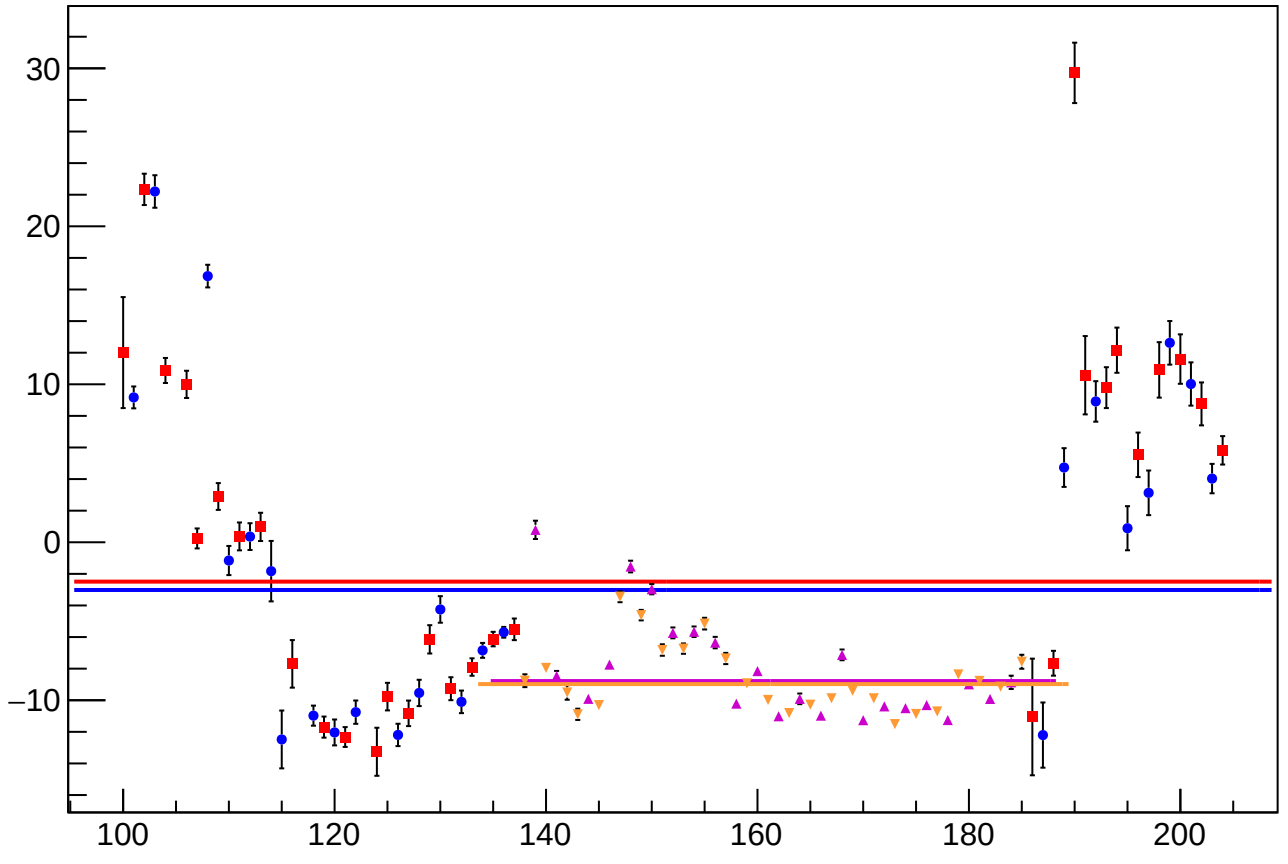
Right Out: -8.825+/-0.131 χ^2/NDF: 1388.9/29

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.280+/-0.062 χ^2/NDF: 4822.0/48

All: -7.205+/-0.044 χ^2/NDF: 9339.3/101

- sign -7.130+/-0.063 χ^2/NDF: 4514.4/52



Right In: -3.020+/-0.161 χ^2/NDF: 3018.9/23

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -2.491+/-0.161 χ^2/NDF: 3059.2/29

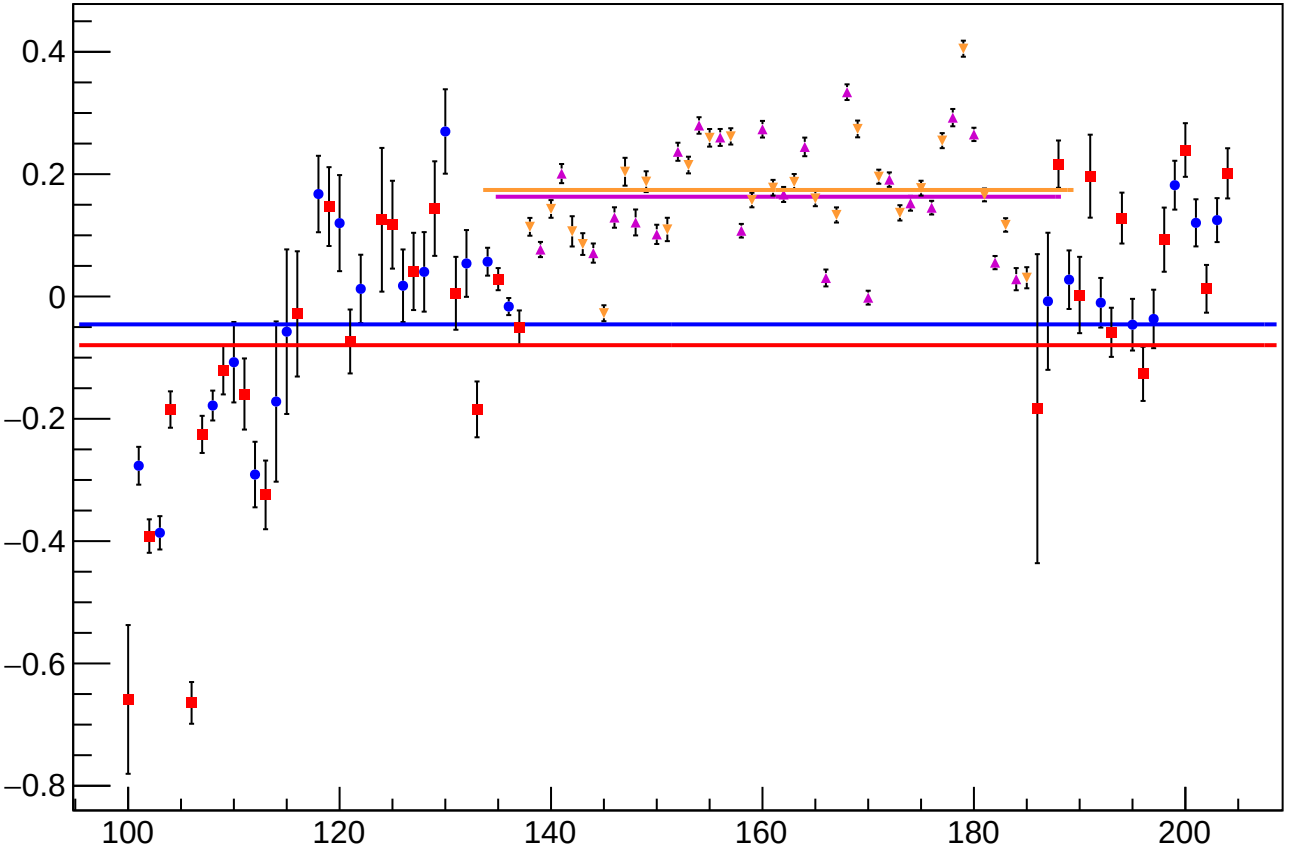
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

\+ sign -8.220+/-0.057 χ^2/NDF: 5185.4/48

All: -8.085+/-0.041 χ^2/NDF: 11261.8/101

\- sign -7.942+/-0.059 χ^2/NDF: 6064.9/52

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.046+/-0.007 χ^2/NDF: 410.2/23

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.080+/-0.008 χ^2/NDF: 802.8/29

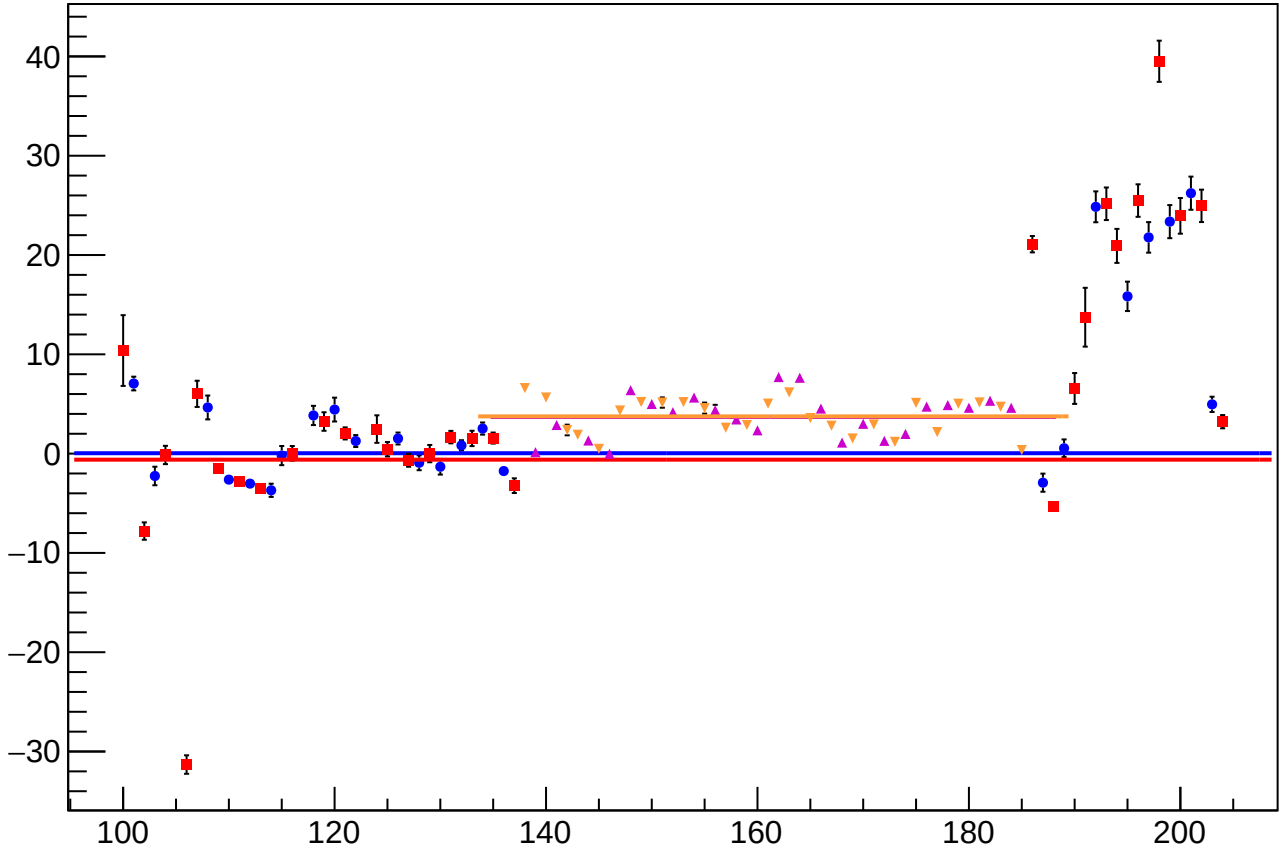
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.149+/-0.003 χ^2/NDF: 2093.0/48

All: 0.142+/-0.002 χ^2/NDF: 4997.2/101

- sign 0.135+/-0.003 χ^2/NDF: 2890.1/52

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.041+/-0.129 χ^2/NDF: 1488.9/23

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.609+/-0.119 χ^2/NDF: 3760.7/29

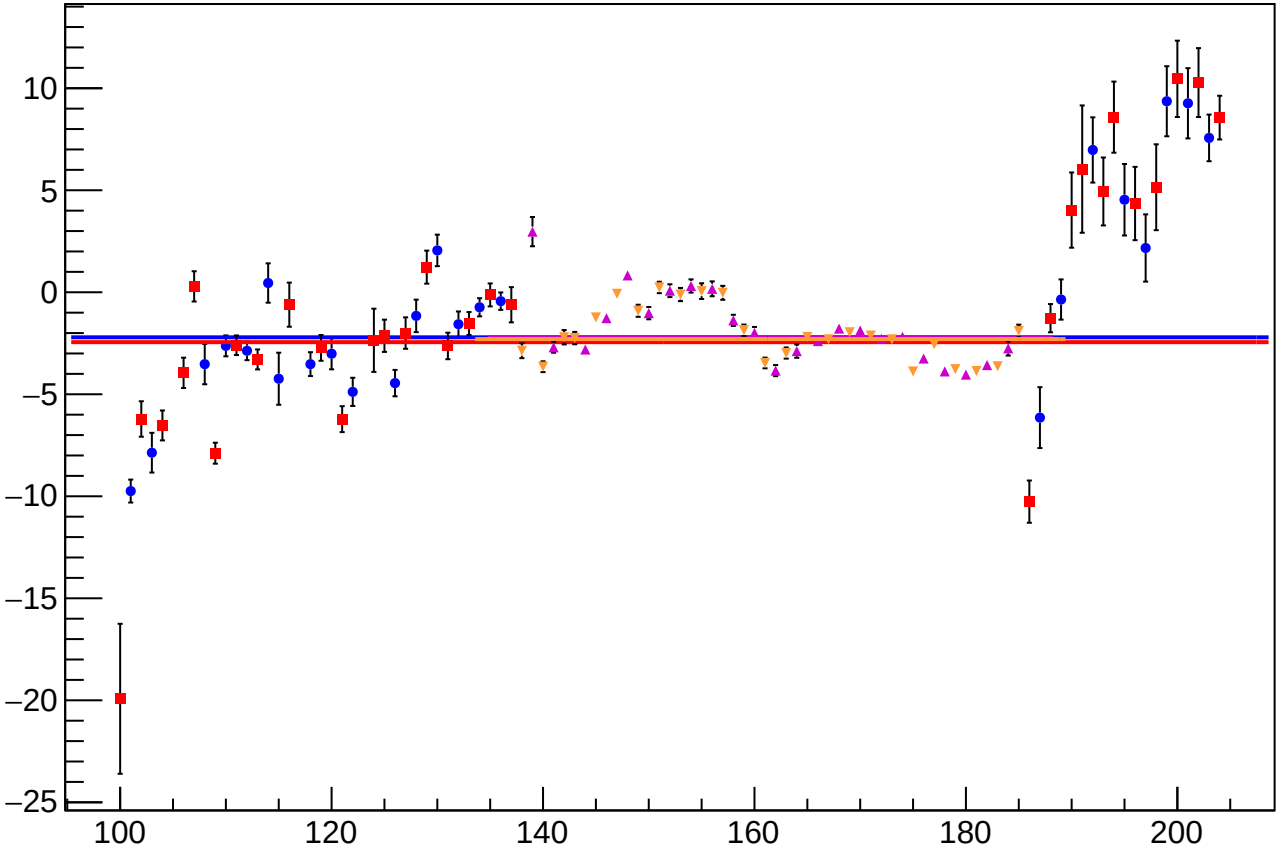
Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 3.058+/-0.056 χ^2/NDF: 2967.4/48

All: 2.891+/-0.040 χ^2/NDF: 8716.6/101

- sign 2.721+/-0.056 χ^2/NDF: 5731.2/52

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.209+/-0.149 χ^2/NDF: 551.1/23

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.446+/-0.147 χ^2/NDF: 665.5/29

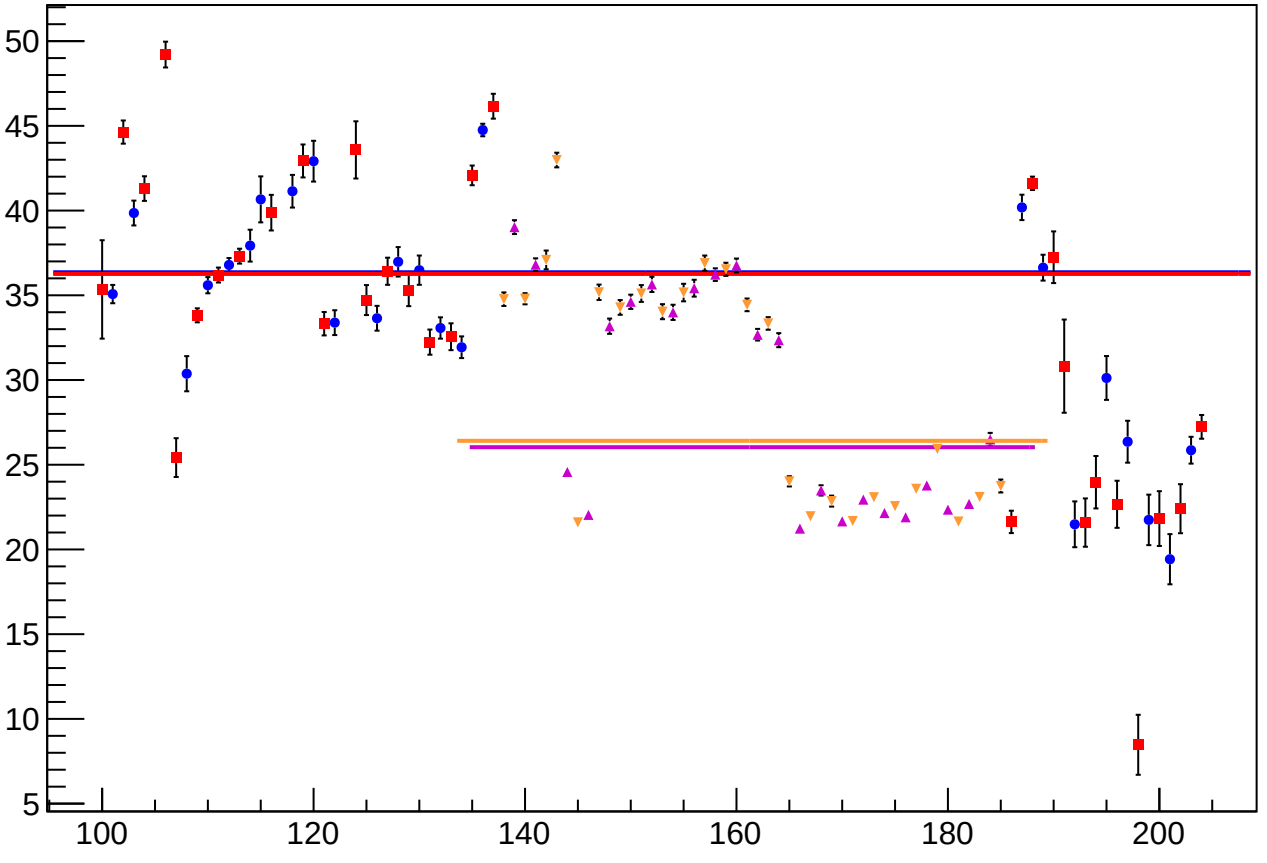
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.286+/-0.047 χ^2/NDF: 1182.9/48

All: -2.258+/-0.034 χ^2/NDF: 2576.2/101

- sign -2.230+/-0.048 χ^2/NDF: 1392.6/52

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 36.359+/-0.147 χ^2/NDF: 1391.9/23

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.261+/-0.137 χ^2/NDF: 2577.5/29

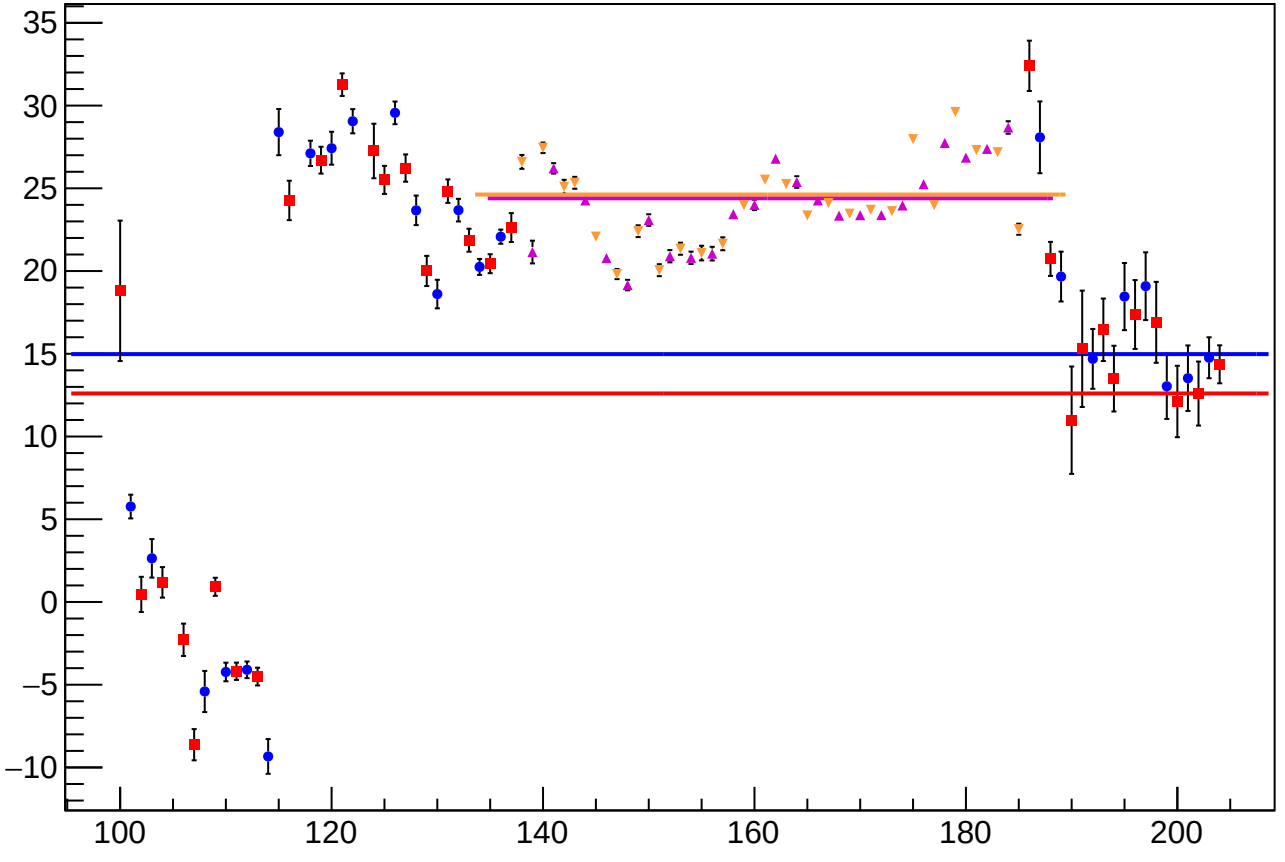
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.931+/-0.057 χ^2/NDF: 14513.4/48

All: 27.896+/-0.041 χ^2/NDF: 29506.6/101

- sign 27.860+/-0.058 χ^2/NDF: 14992.4/52

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.980+/-0.167 χ^2/NDF: 5742.0/23

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.602+/-0.167 χ^2/NDF: 6367.0/29

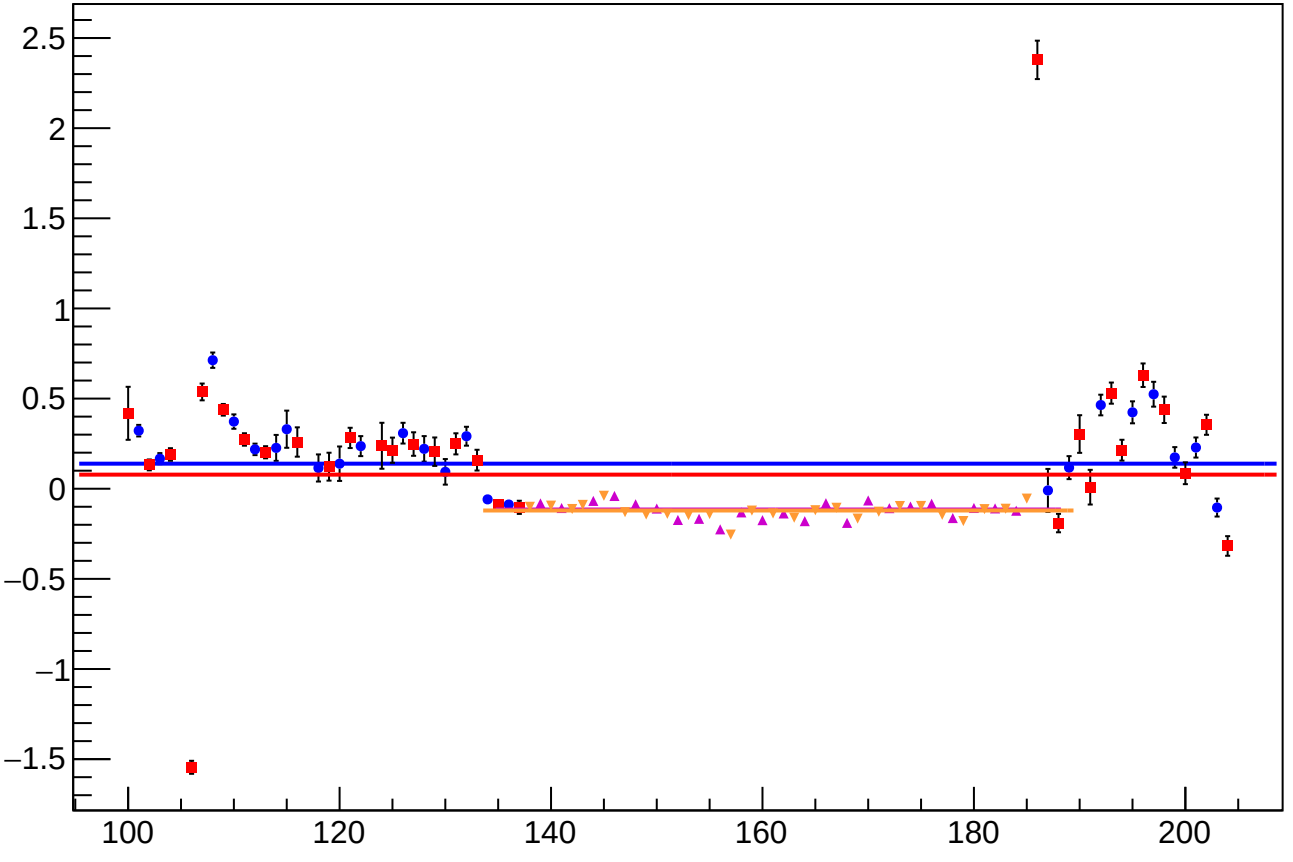
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.679+/-0.052 χ^2/NDF: 10686.0/48

All: 23.441+/-0.037 χ^2/NDF: 23271.8/101

- sign 23.192+/-0.053 χ^2/NDF: 12543.5/52

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.139+/-0.009 χ^2/NDF: 636.7/23

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.078+/-0.009 χ^2/NDF: 3170.7/29

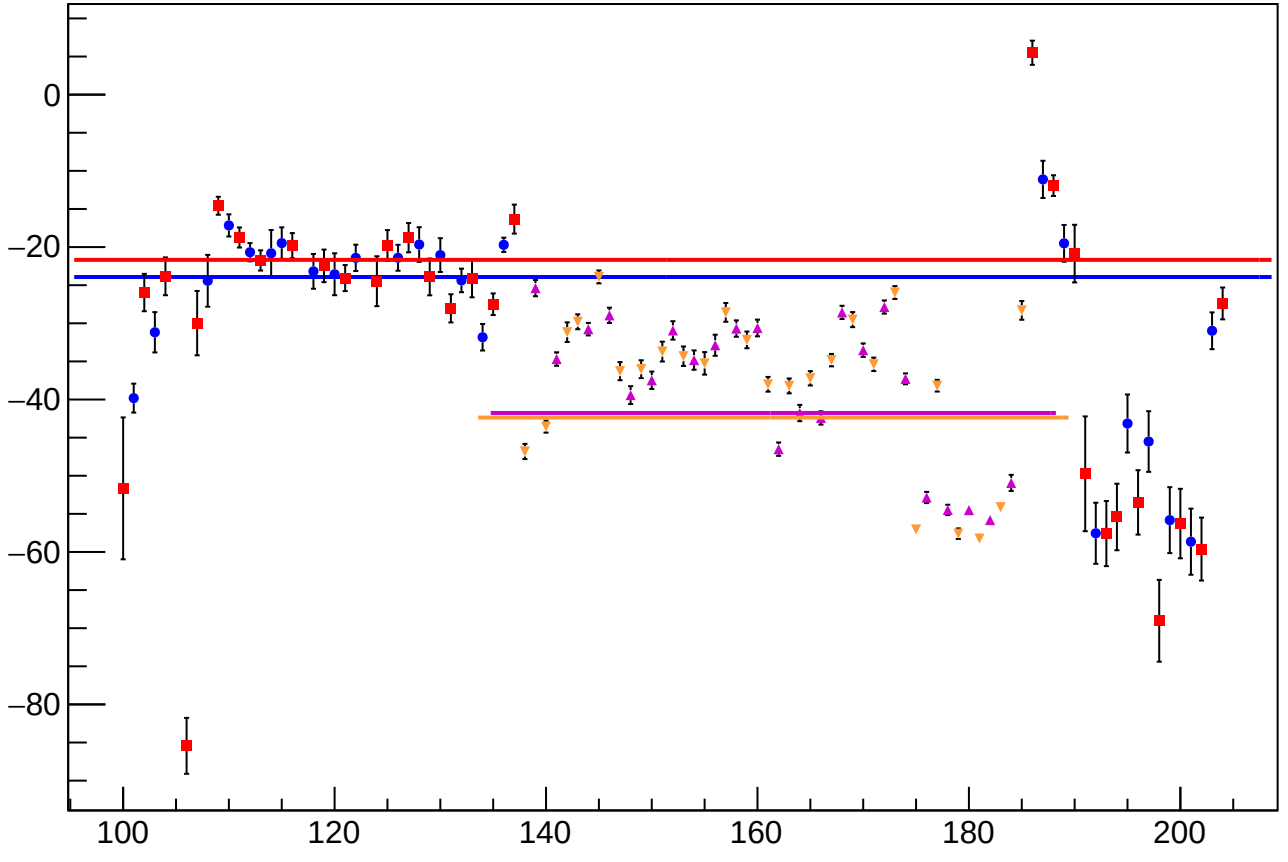
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

\+ sign -0.101+/-0.002 χ^2/NDF: 1737.2/48

All: -0.101+/-0.002 χ^2/NDF: 5651.0/101

\- sign -0.101+/-0.002 χ^2/NDF: 3913.8/52

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -23.928+/-0.405 χ^2/NDF: 446.0/23

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

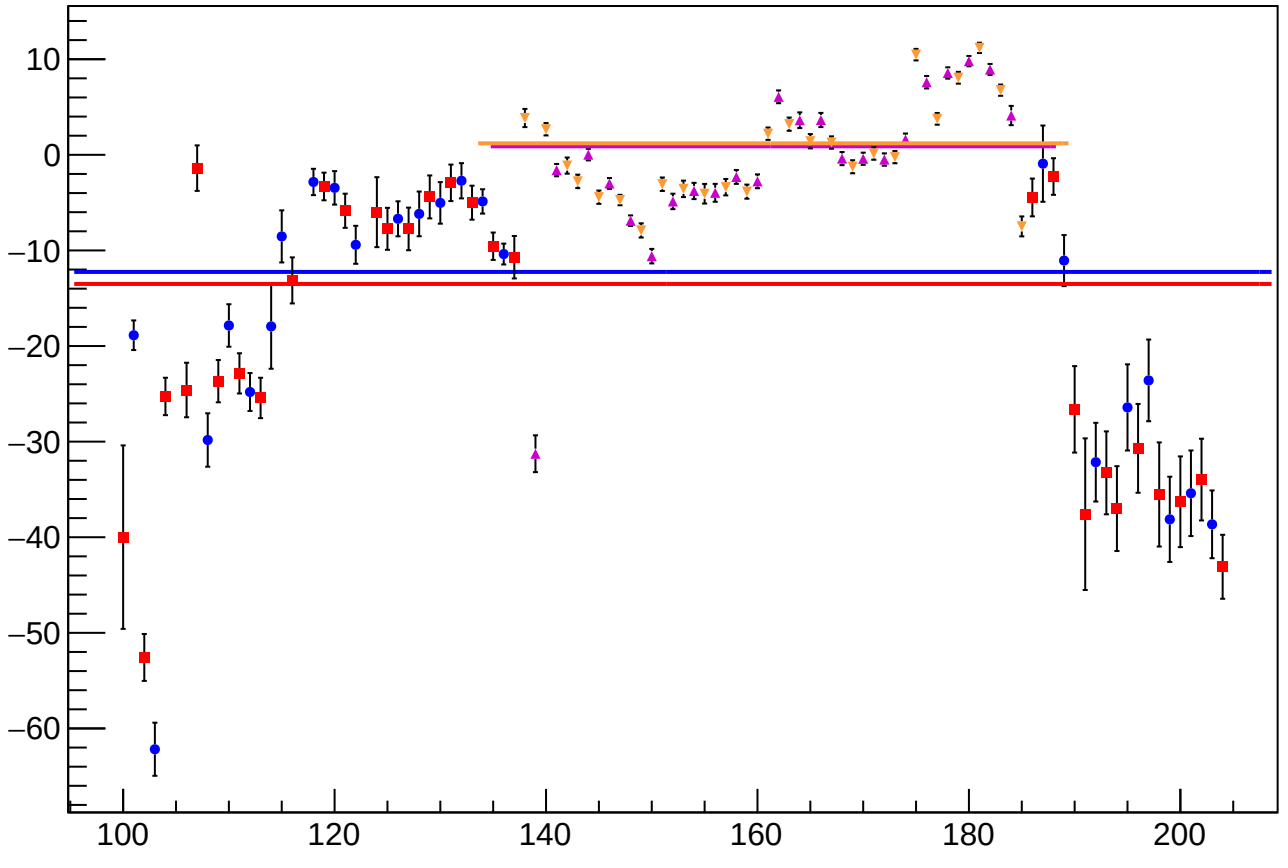
Right Out: -21.675+/-0.382 χ^2/NDF: 1181.1/29

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.455+/-0.161 χ^2/NDF: 6671.8/48

All: -38.773+/-0.115 χ^2/NDF: 13600.8/101

- sign -38.062+/-0.164 χ^2/NDF: 6892.3/52



Right In: -12.247+/-0.430 χ^2/NDF: 759.6/23

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

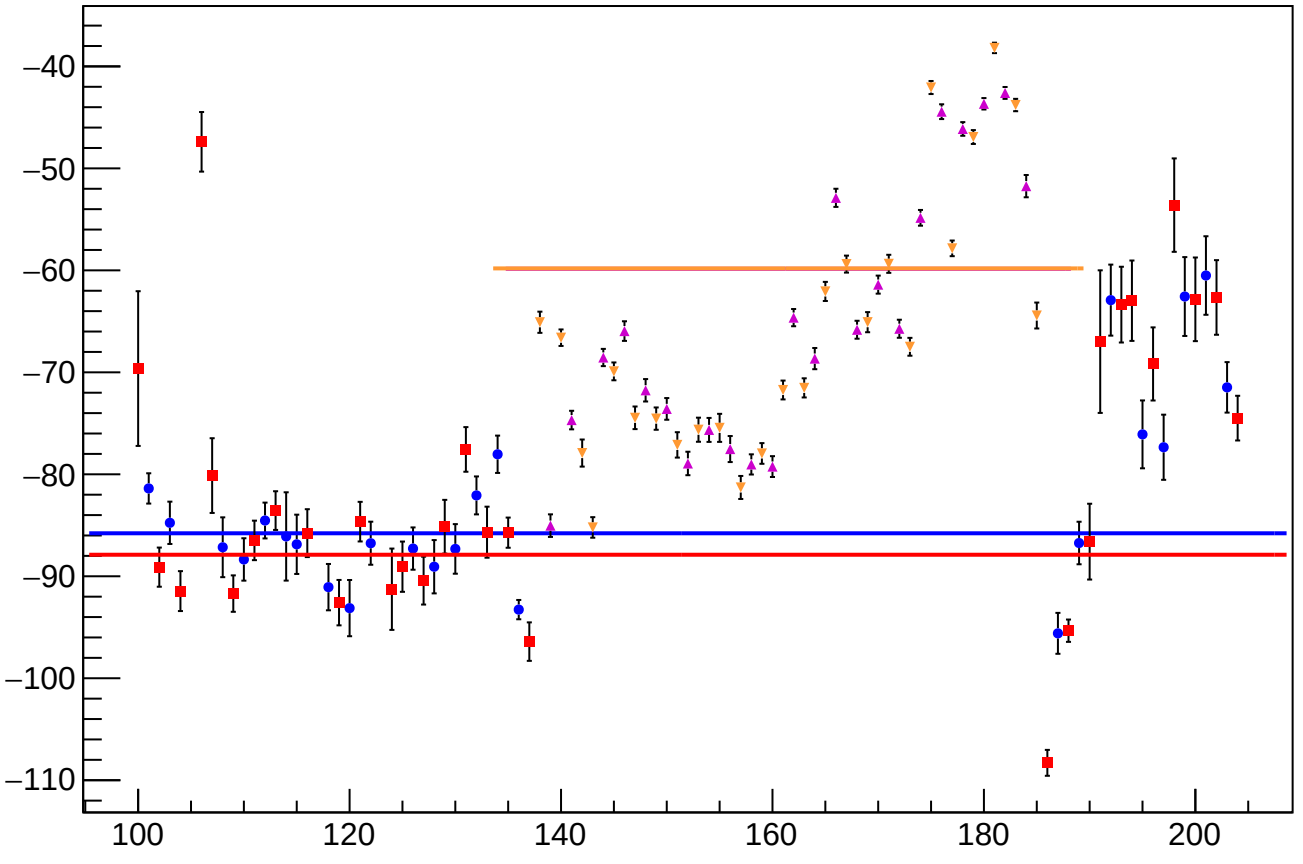
Right Out: -13.505+/-0.435 χ^2/NDF: 852.4/29

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign -0.056+/-0.131 χ^2/NDF: 3110.6/48

All: -0.278+/-0.094 χ^2/NDF: 6721.3/101

- sign -0.514+/-0.136 χ^2/NDF: 3604.8/52



Right In: -85.784+/-0.431 χ^2/NDF: 306.3/23

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -87.888+/-0.406 χ^2/NDF: 875.4/29

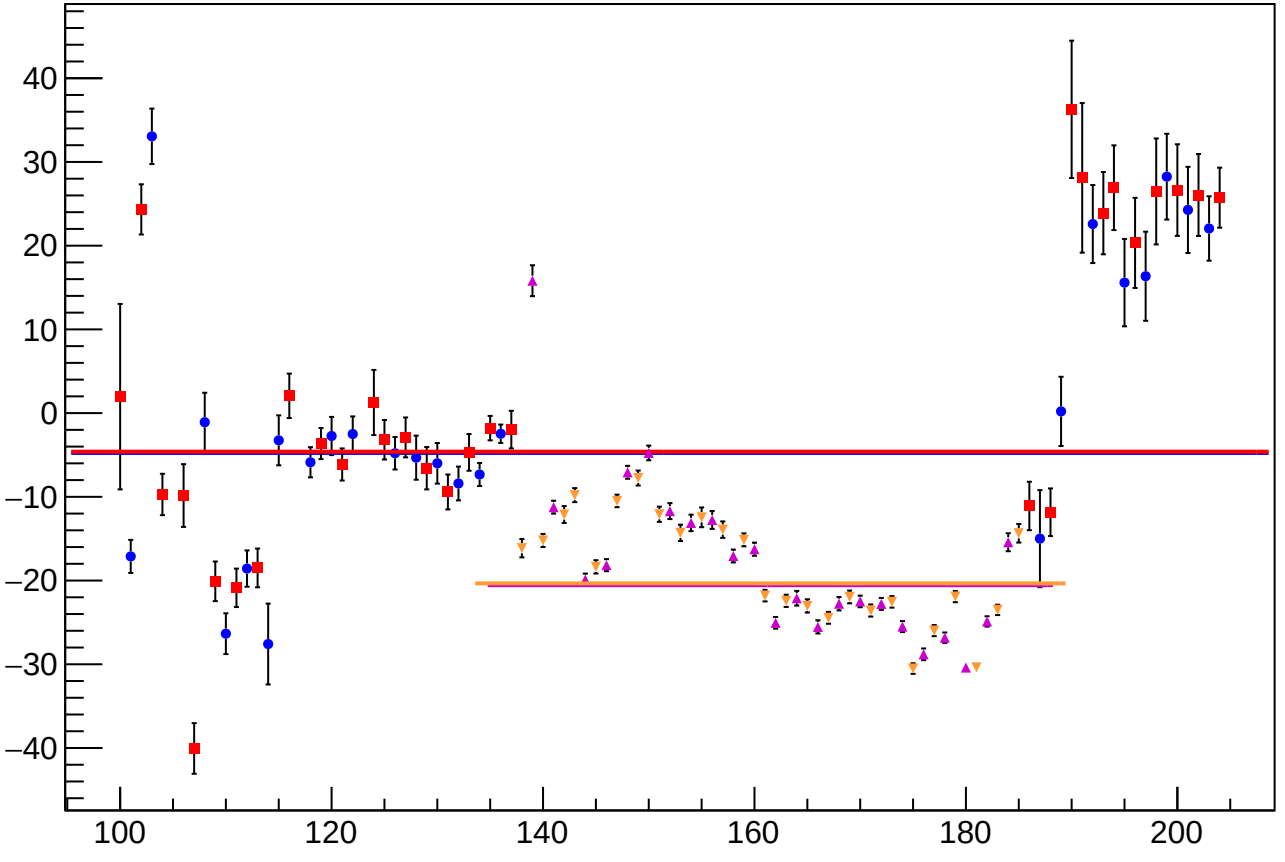
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.492+/-0.162 χ^2/NDF: 10064.4/48

All: -63.983+/-0.116 χ^2/NDF: 20466.5/101

- sign -64.492+/-0.165 χ^2/NDF: 10383.5/52

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -4.755+/-0.486 χ^2/NDF: 518.0/23

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -4.608+/-0.502 χ^2/NDF: 698.7/29

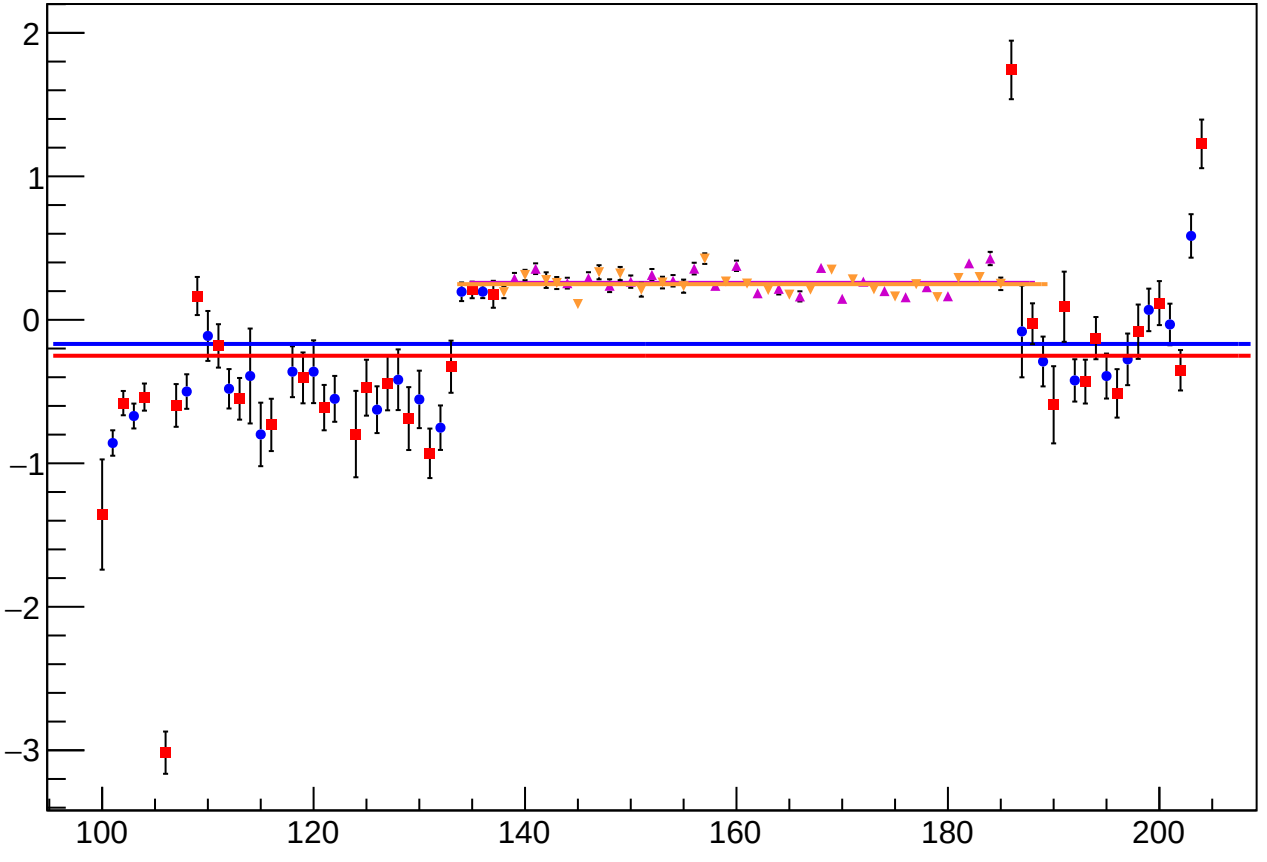
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -18.909+/-0.147 χ^2/NDF: 3151.4/48

All: -18.997+/-0.106 χ^2/NDF: 6961.8/101

- sign -19.090+/-0.152 χ^2/NDF: 3809.7/52

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.168+/-0.024 χ^2/NDF: 281.8/23

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.250+/-0.025 χ^2/NDF: 716.8/29

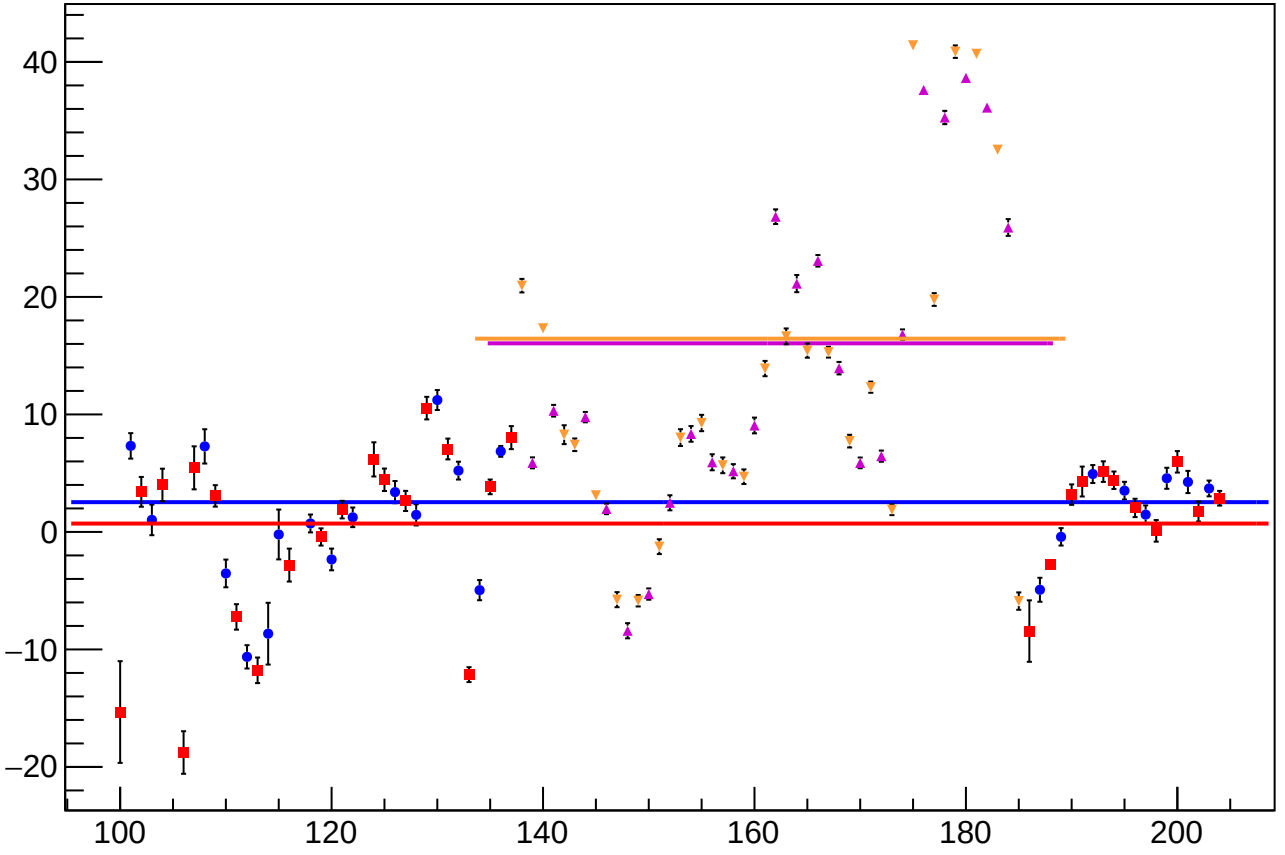
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.217+/-0.007 χ^2/NDF: 646.6/48

All: 0.219+/-0.005 χ^2/NDF: 1868.1/101

- sign 0.221+/-0.007 χ^2/NDF: 1221.3/52

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.534+/-0.176 χ^2/NDF: 667.3/23

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.712+/-0.157 χ^2/NDF: 1245.7/29

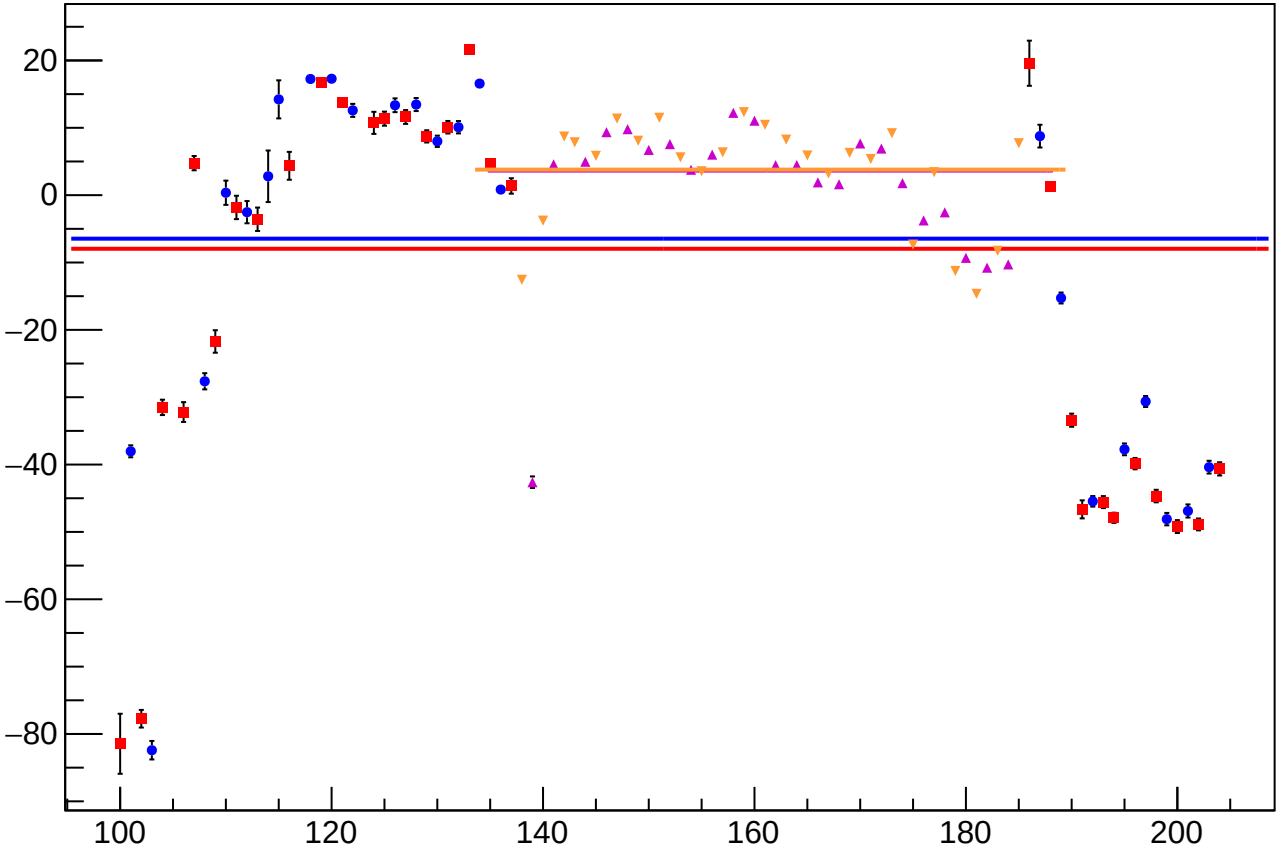
Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 12.840+/-0.090 χ^2/NDF: 26709.6/48

All: 12.000+/-0.063 χ^2/NDF: 52254.9/101

- sign 11.178+/-0.089 χ^2/NDF: 25371.1/52

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -6.459+/-0.176 χ^2/NDF: 22196.7/23

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -7.958+/-0.164 χ^2/NDF: 28380.4/29

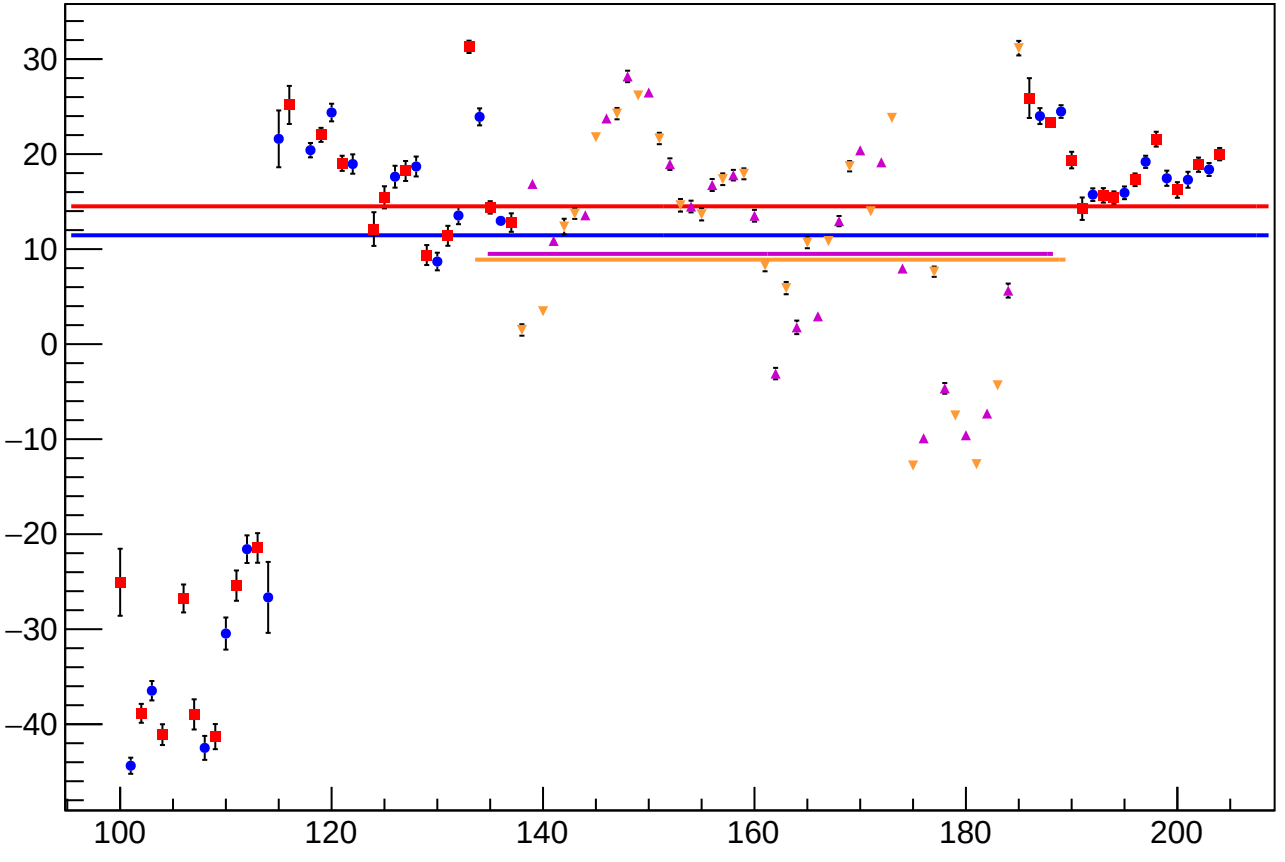
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 2.028+/-0.073 χ^2/NDF: 34112.6/48

All: 1.668+/-0.052 χ^2/NDF: 74822.3/101

- sign 1.295+/-0.074 χ^2/NDF: 40660.0/52

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 11.455+/-0.173 χ^2/NDF: 11328.9/23

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

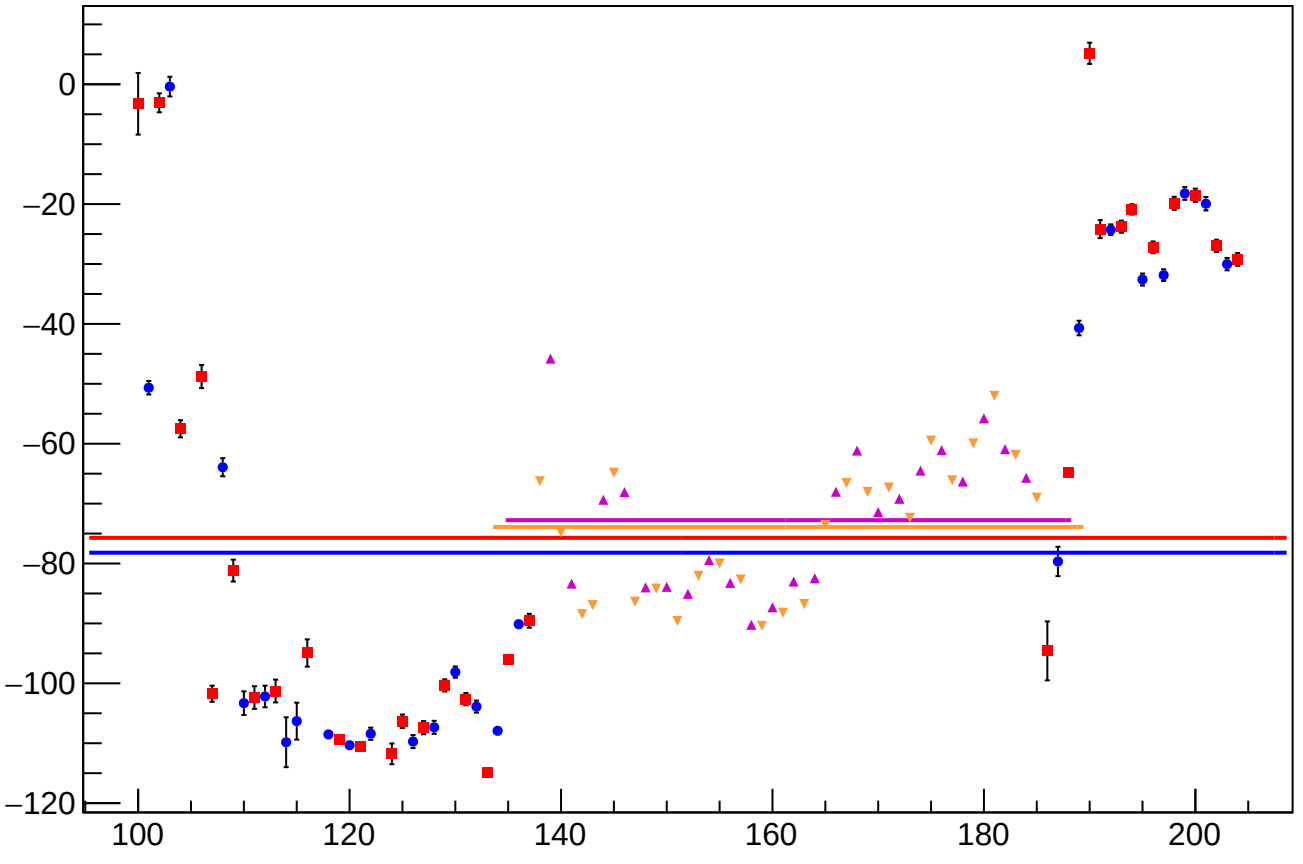
Right Out: 14.503+/-0.151 χ^2/NDF: 12456.3/29

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 9.571+/-0.089 χ^2/NDF: 26918.8/48

All: 10.383+/-0.062 χ^2/NDF: 53312.3/101

- sign 11.162+/-0.087 χ^2/NDF: 26230.1/52



Right In: -78.195+/-0.205 χ^2/NDF: 30590.1/23

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -75.709+/-0.194 χ^2/NDF: 39905.6/29

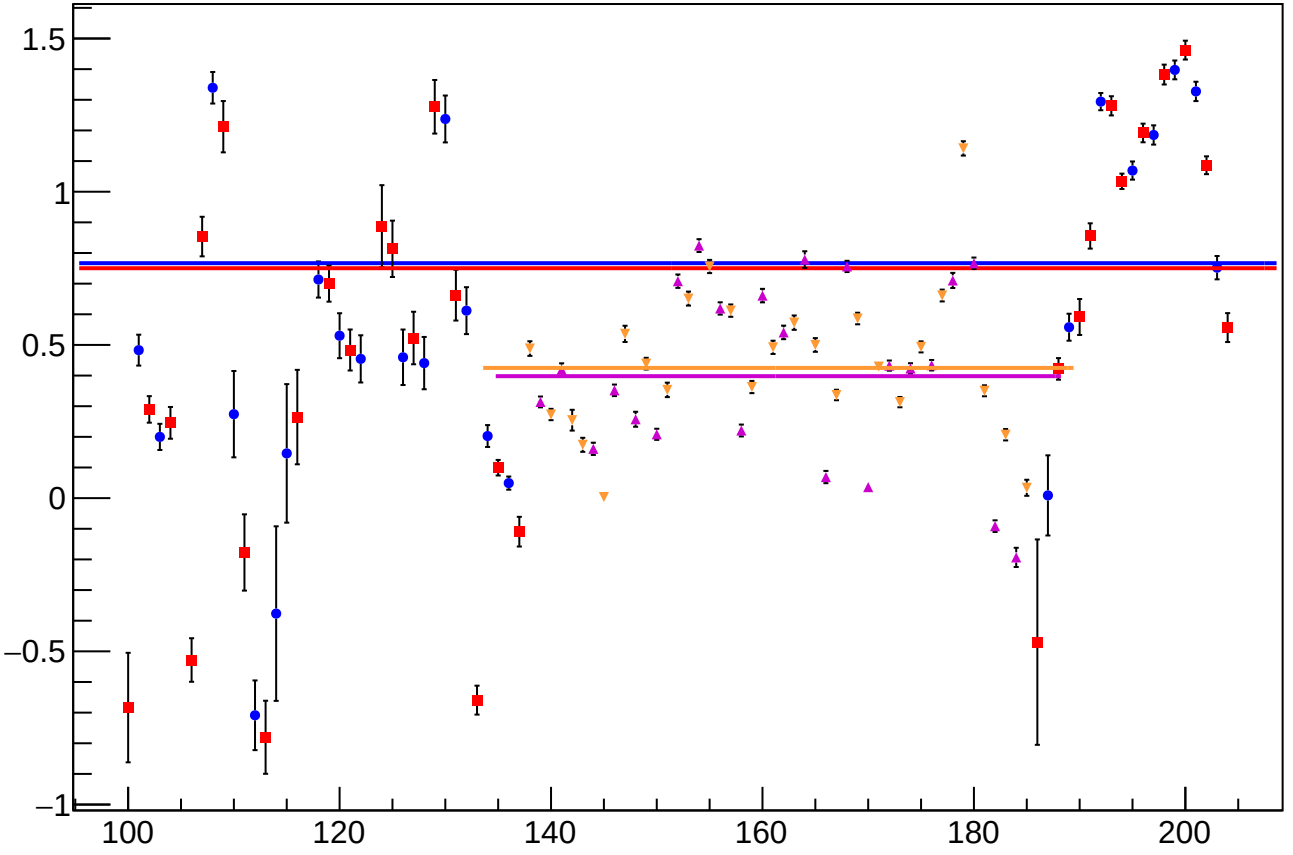
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

\+ sign -74.608+/-0.083 χ^2/NDF: 46524.5/48

All: -73.973+/-0.059 χ^2/NDF: 99349.6/101

\- sign -73.316+/-0.084 χ^2/NDF: 52705.3/52

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.767+/-0.009 χ^2/NDF: 3423.2/23

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.750+/-0.008 χ^2/NDF: 4587.1/29

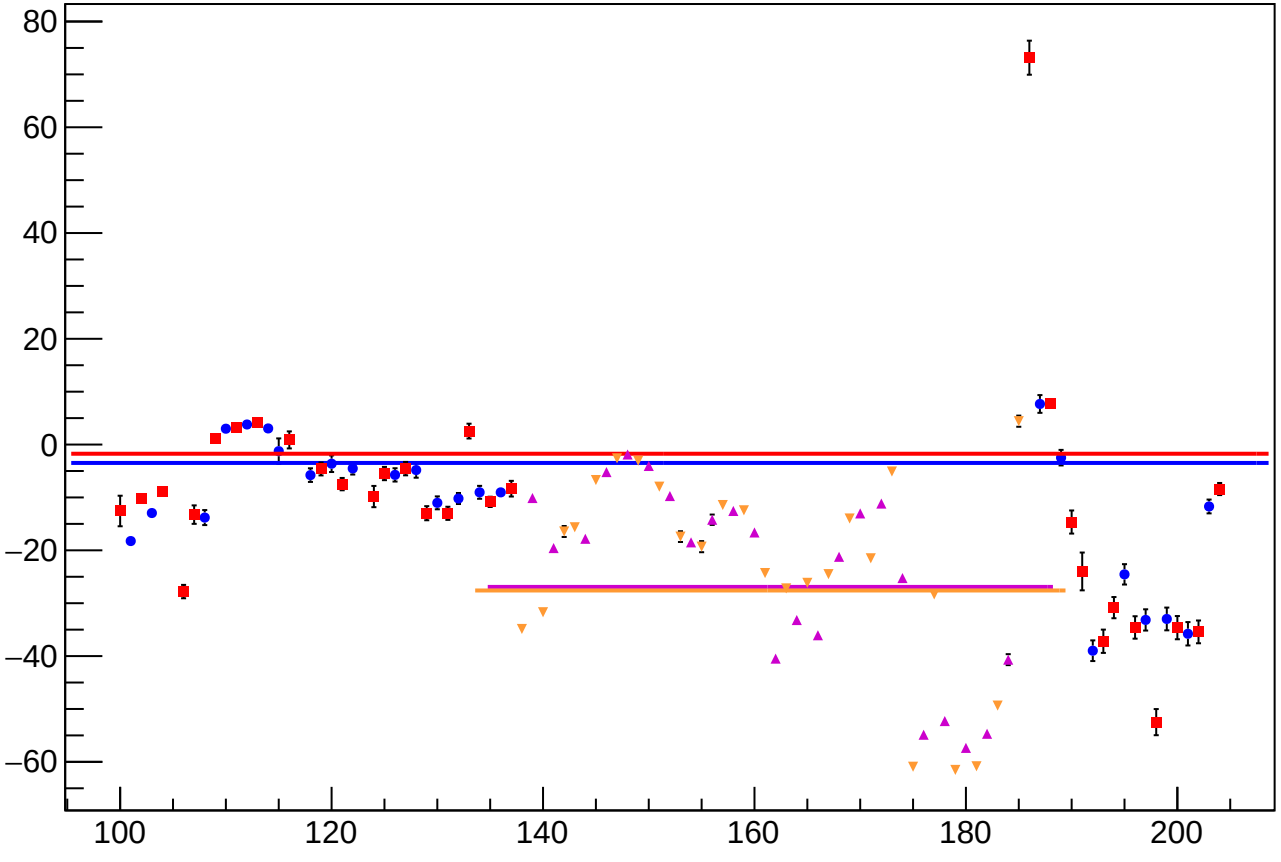
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.483+/-0.004 χ^2/NDF: 7663.4/48

All: 0.475+/-0.003 χ^2/NDF: 17953.6/101

- sign 0.467+/-0.004 χ^2/NDF: 10280.7/52

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -3.475+/-0.183 χ^2/NDF: 2691.3/23

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.736+/-0.161 χ^2/NDF: 3893.7/29

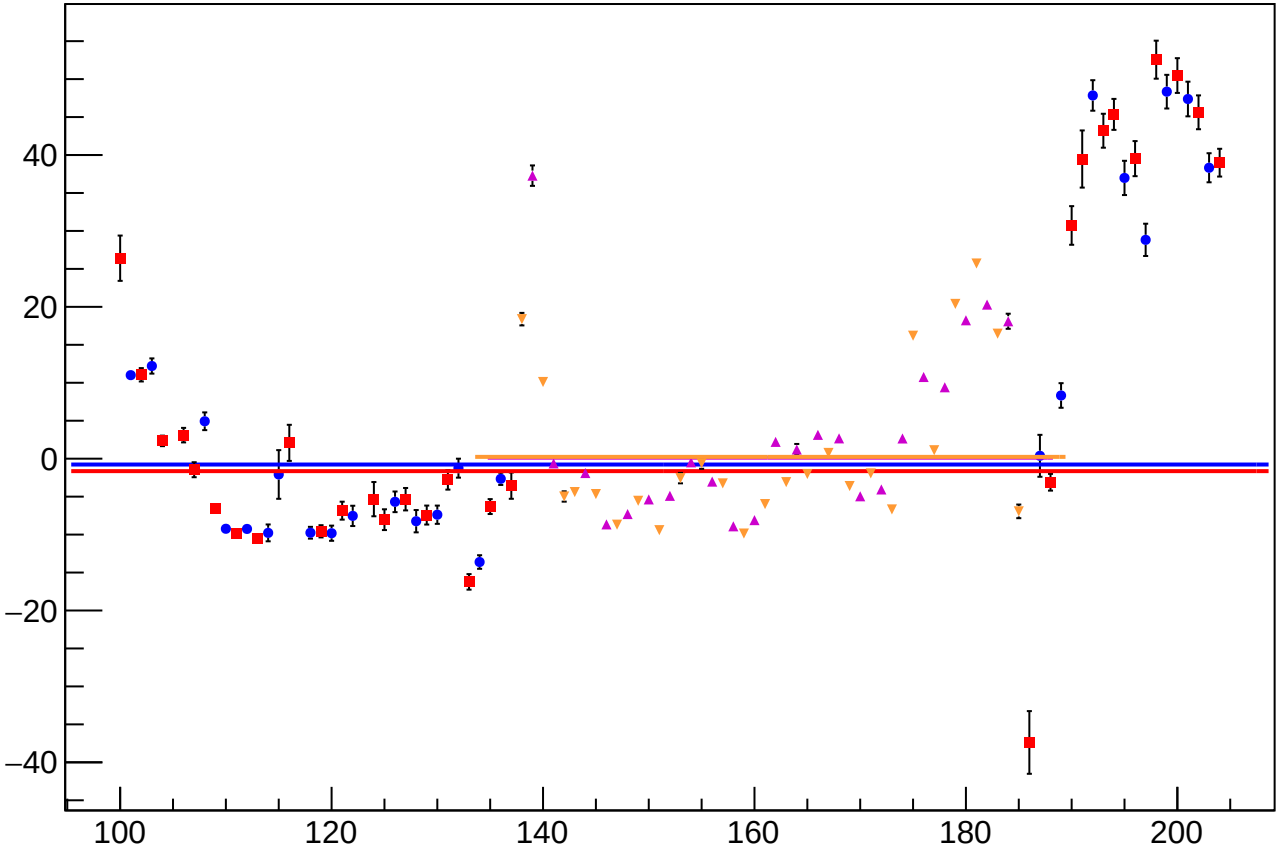
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.370+/-0.113 χ^2/NDF: 33135.1/48

All: -16.775+/-0.079 χ^2/NDF: 66101.2/101

- sign -15.289+/-0.109 χ^2/NDF: 32583.9/52

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -0.770+/-0.216 χ^2/NDF: 4048.3/23

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -1.642+/-0.206 χ^2/NDF: 4772.6/29

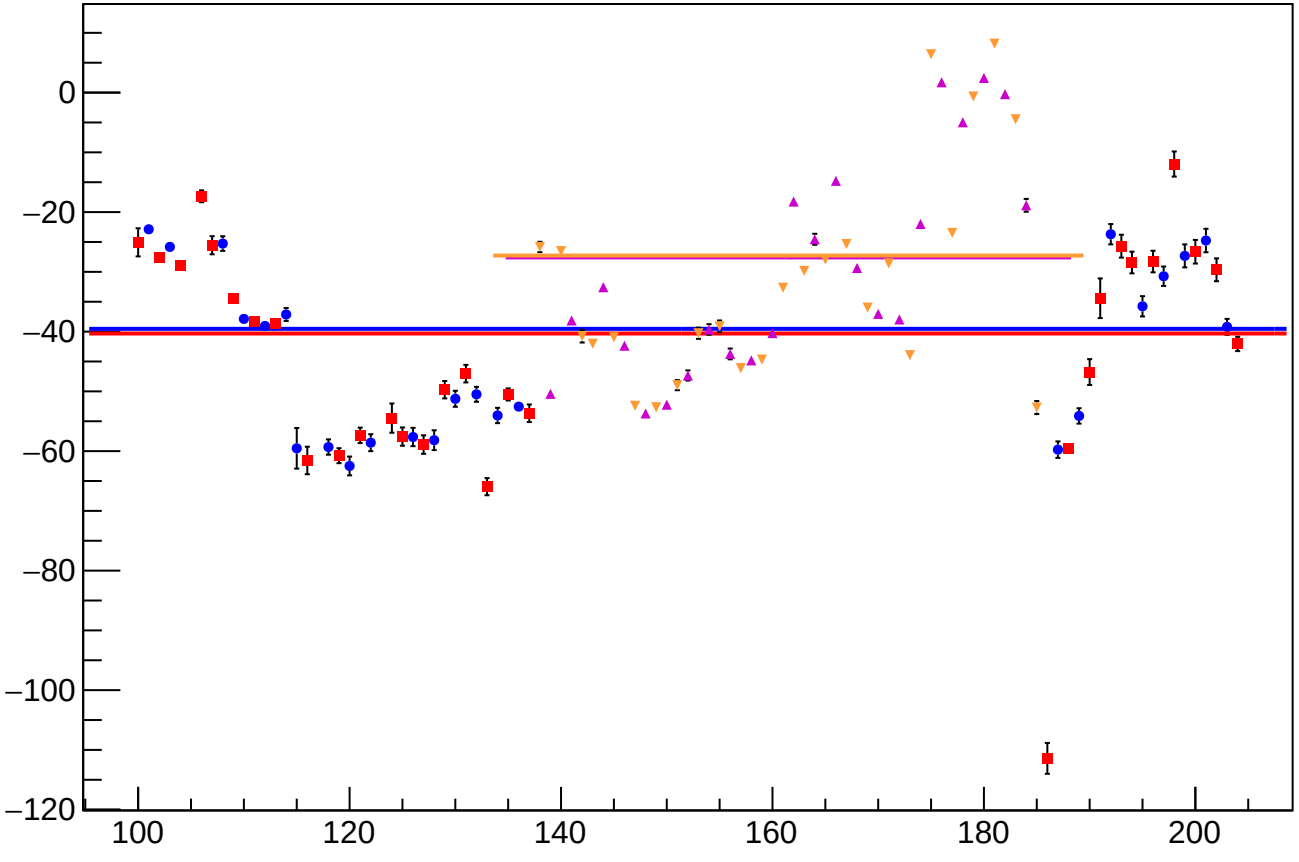
Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign 0.029+/-0.098 χ^2/NDF: 12101.3/48

All: -0.125+/-0.070 χ^2/NDF: 22772.8/101

- sign -0.286+/-0.100 χ^2/NDF: 10666.4/52

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.534+/-0.209 χ^2/NDF: 3519.5/23

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.317+/-0.191 χ^2/NDF: 4971.2/29

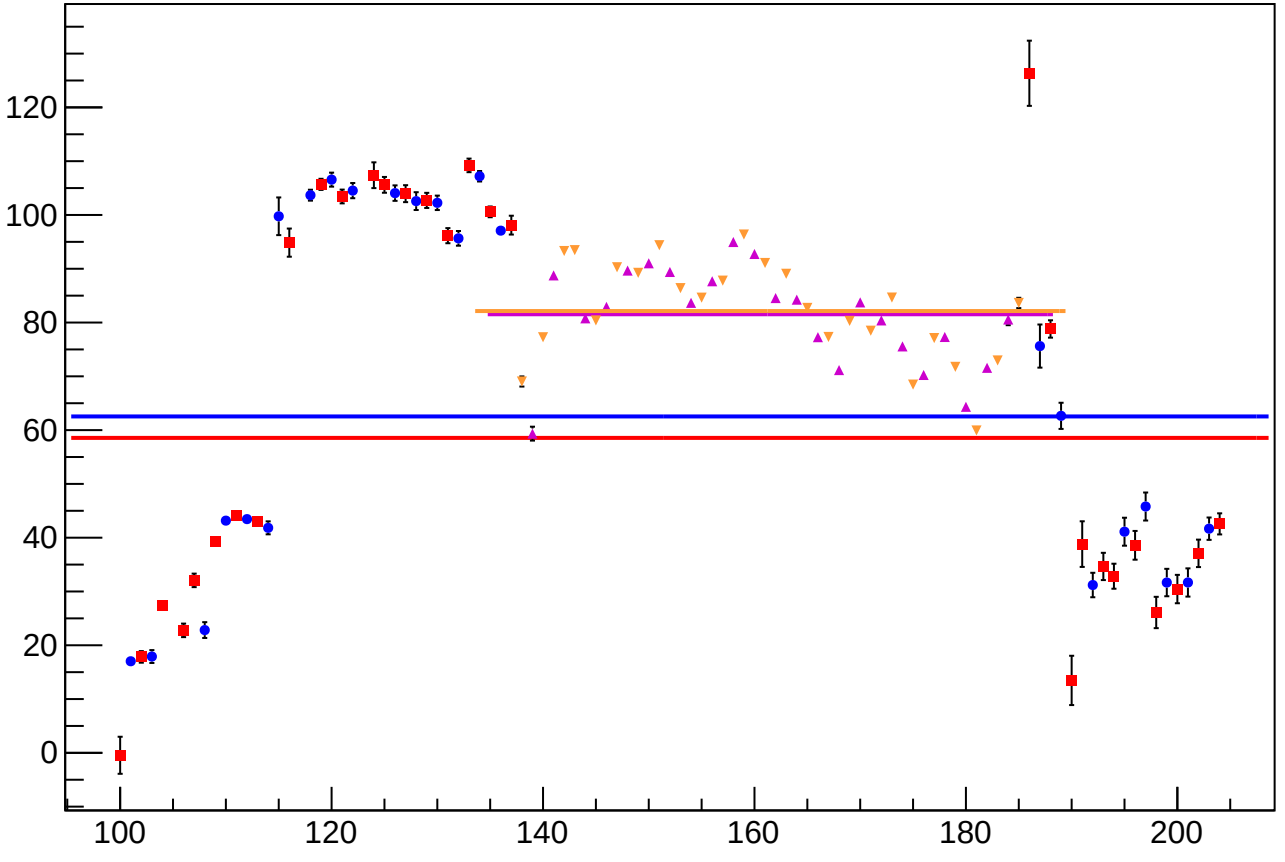
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.223+/-0.118 χ^2/NDF: 24386.9/48

All: -31.808+/-0.083 χ^2/NDF: 47835.4/101

- sign -32.379+/-0.117 χ^2/NDF: 23400.2/52

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 62.542+/-0.247 χ^2/NDF: 19333.5/23

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.554+/-0.237 χ^2/NDF: 18499.5/29

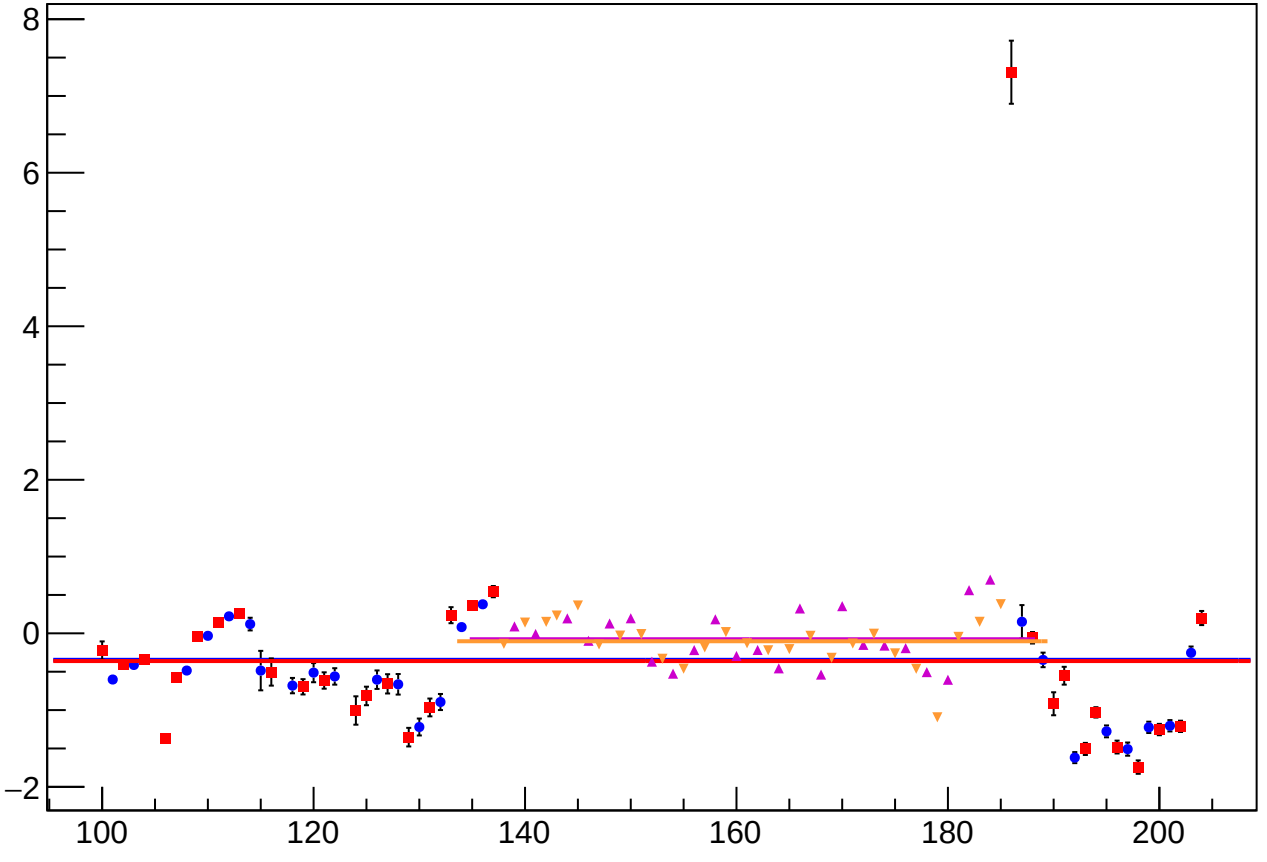
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.163+/-0.111 χ^2/NDF: 29707.6/48

All: 77.238+/-0.079 χ^2/NDF: 59656.7/101

- sign 76.282+/-0.113 χ^2/NDF: 29808.9/52

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.345+/-0.012 χ^2/NDF: 1975.1/23

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.361+/-0.012 χ^2/NDF: 2929.8/29

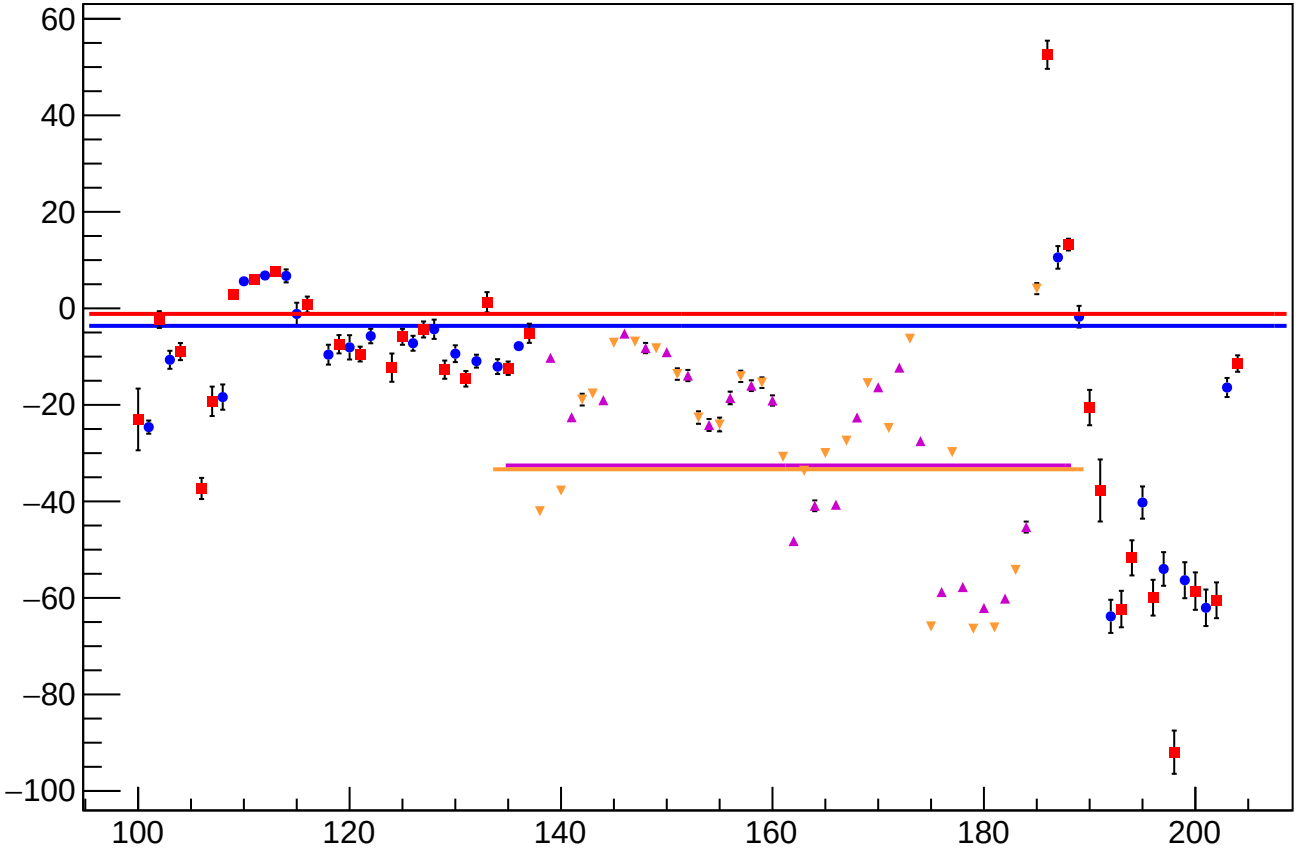
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.145+/-0.005 χ^2/NDF: 4706.5/48

All: -0.139+/-0.004 χ^2/NDF: 11442.1/101

- sign -0.133+/-0.005 χ^2/NDF: 6732.6/52

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -3.624+/-0.294 χ^2/NDF: 2093.6/23

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -1.145+/-0.265 χ^2/NDF: 3116.5/29

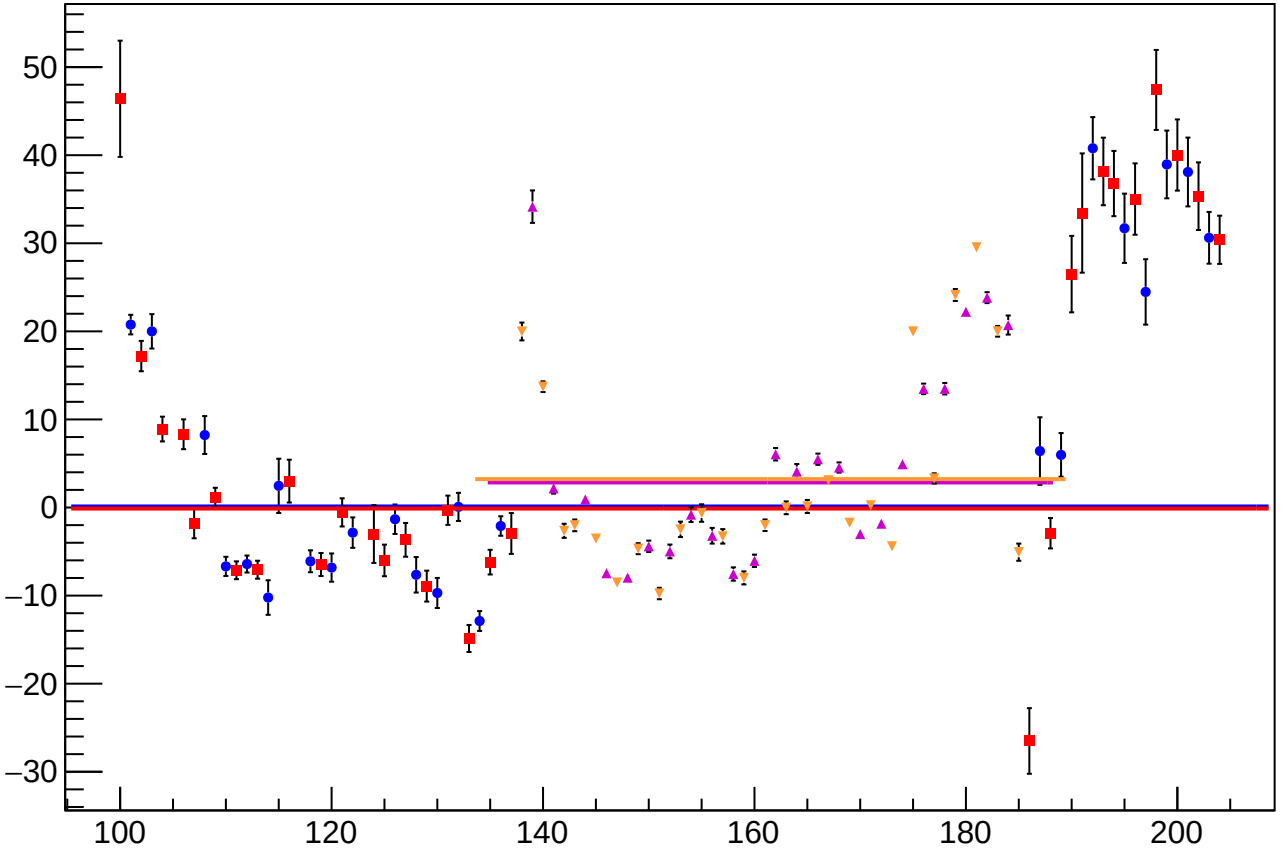
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

\+ sign -26.252+/-0.144 χ^2/NDF: 27865.3/48

All: -24.843+/-0.101 χ^2/NDF: 55036.7/101

\- sign -23.451+/-0.143 χ^2/NDF: 26980.1/52

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 0.118+/-0.341 χ^2/NDF: 1361.5/23

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -0.117+/-0.335 χ^2/NDF: 1298.4/29

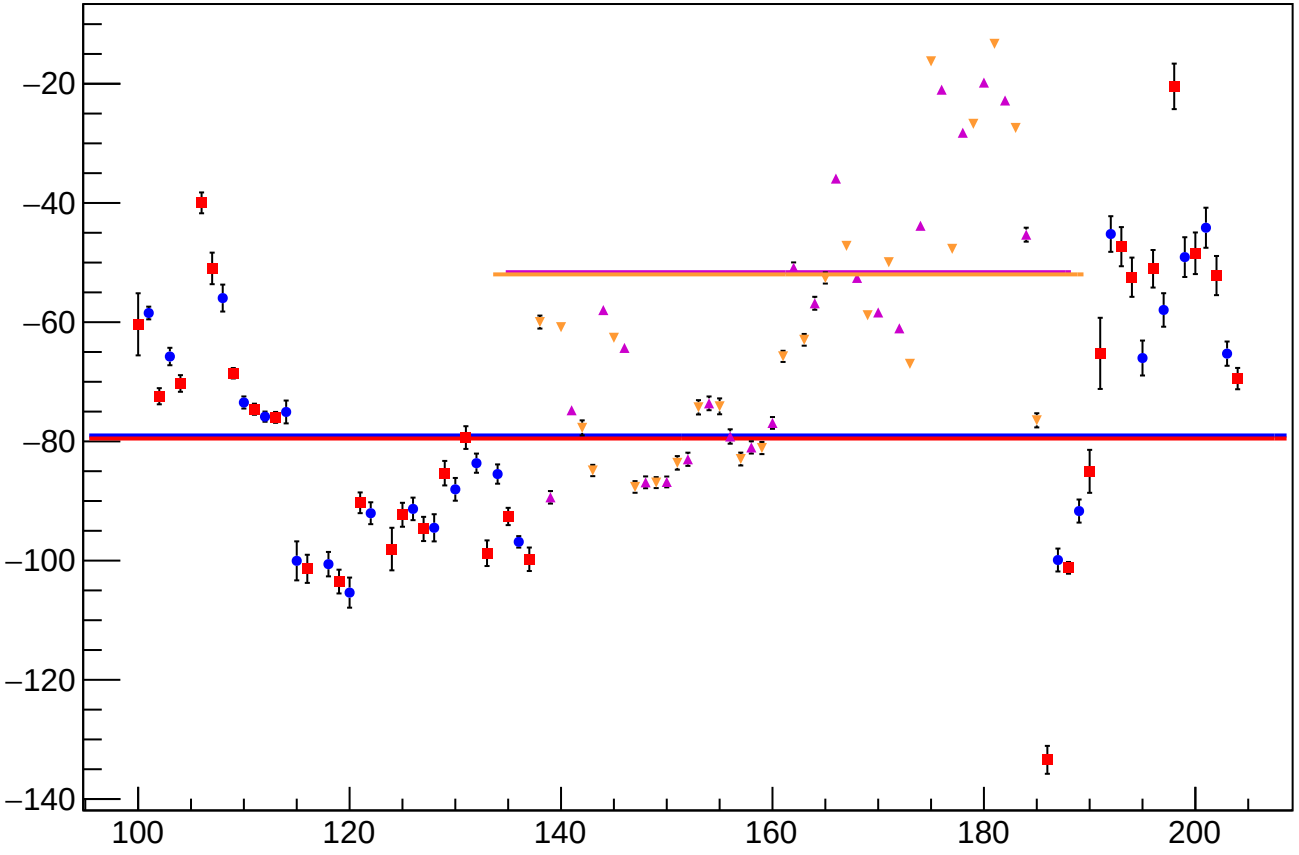
Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

\+ sign 2.841+/-0.120 χ^2/NDF: 9109.7/48

All: 2.649+/-0.086 χ^2/NDF: 15936.6/101

\- sign 2.451+/-0.122 χ^2/NDF: 6821.7/52

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -79.005+/-0.336 χ^2/NDF: 1993.9/23

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -79.517+/-0.314 χ^2/NDF: 3267.8/29

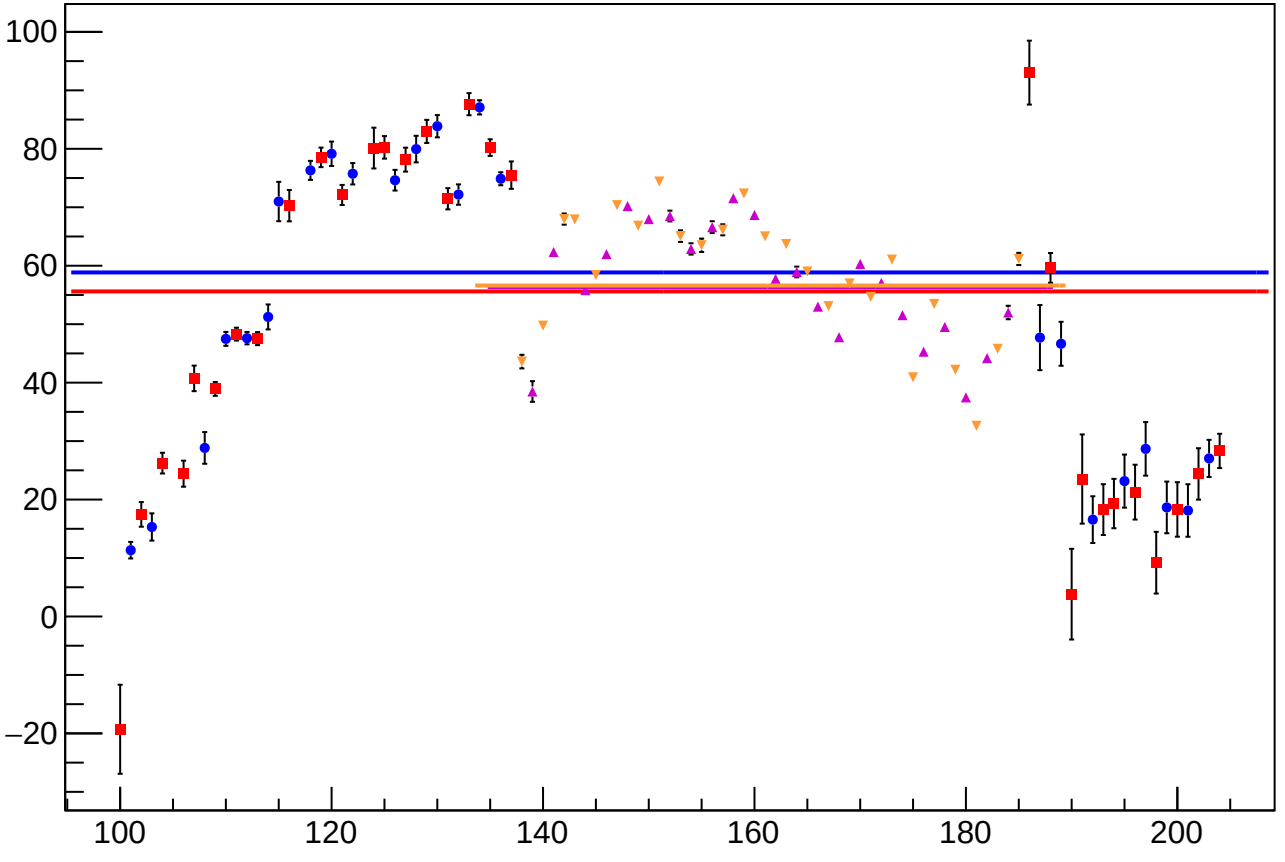
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.216+/-0.148 χ^2/NDF: 28087.9/48

All: -57.553+/-0.105 χ^2/NDF: 55123.5/101

- sign -57.895+/-0.149 χ^2/NDF: 27025.2/52

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 58.852+/-0.387 χ^2/NDF: 3758.3/23

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 55.602+/-0.381 χ^2/NDF: 3395.0/29

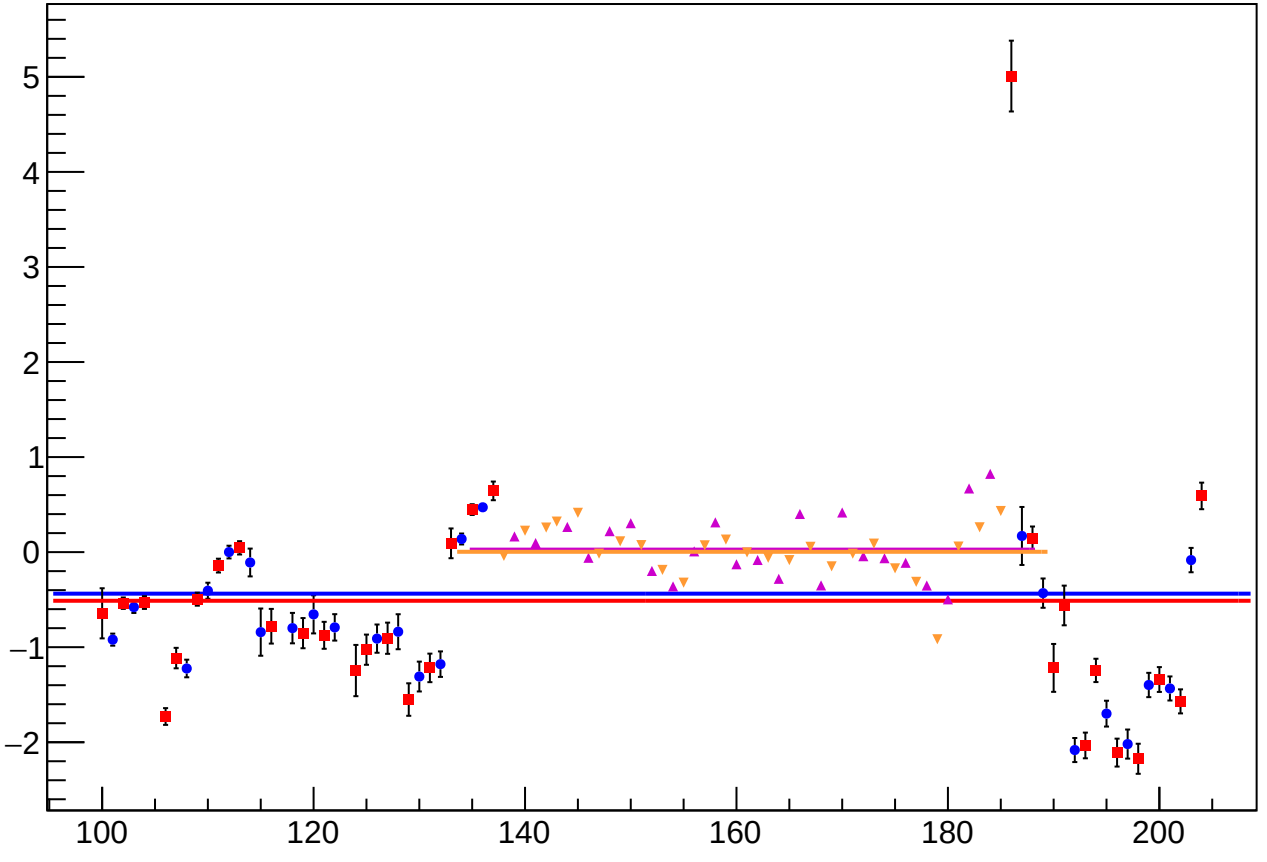
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 56.885+/-0.135 χ^2/NDF: 9454.0/48

All: 56.574+/-0.096 χ^2/NDF: 16831.8/101

- sign 56.251+/-0.138 χ^2/NDF: 7367.0/52

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.437+/-0.020 χ^2/NDF: 1272.2/23

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.512+/-0.020 χ^2/NDF: 1671.2/29

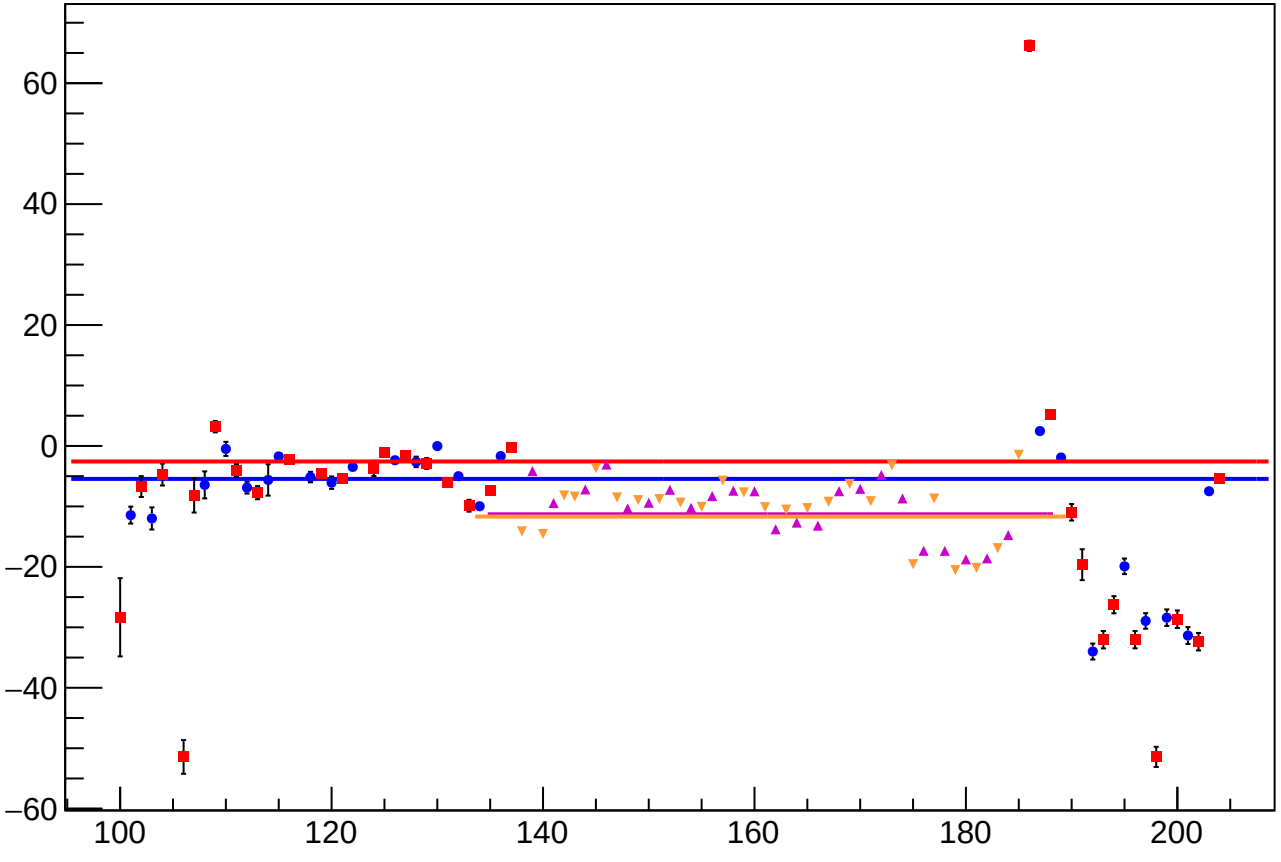
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.039+/-0.006 χ^2/NDF: 3417.8/48

All: -0.033+/-0.004 χ^2/NDF: 8110.3/101

- sign -0.028+/-0.006 χ^2/NDF: 4691.1/52

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -5.450+/-0.167 χ^2/NDF: 2004.3/23

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.569+/-0.162 χ^2/NDF: 10430.8/29

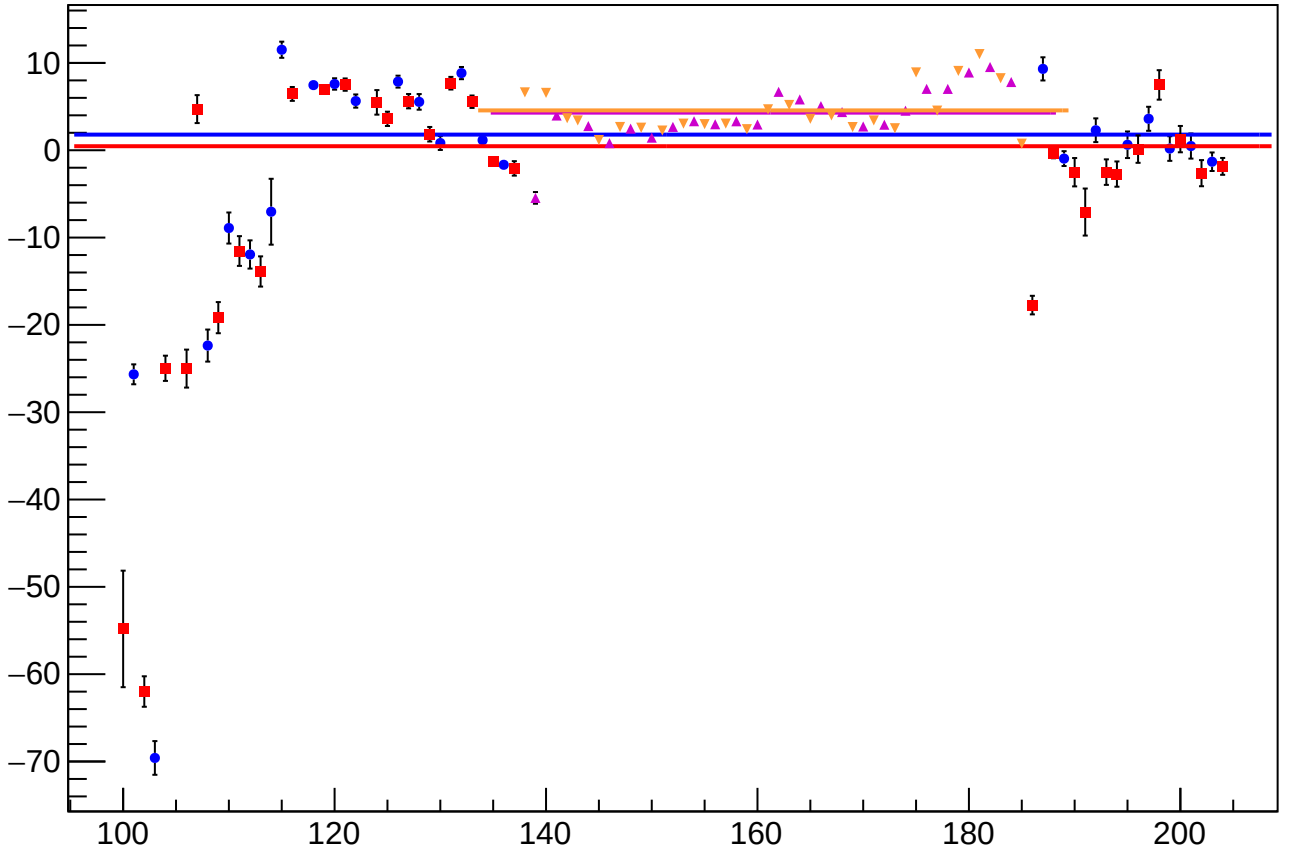
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.114+/-0.050 χ^2/NDF: 15877.7/48

All: -10.776+/-0.036 χ^2/NDF: 38258.8/101

- sign -10.424+/-0.051 χ^2/NDF: 22288.4/52

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.791+/-0.173 χ^2/NDF: 2894.2/23

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.462+/-0.180 χ^2/NDF: 2927.8/29

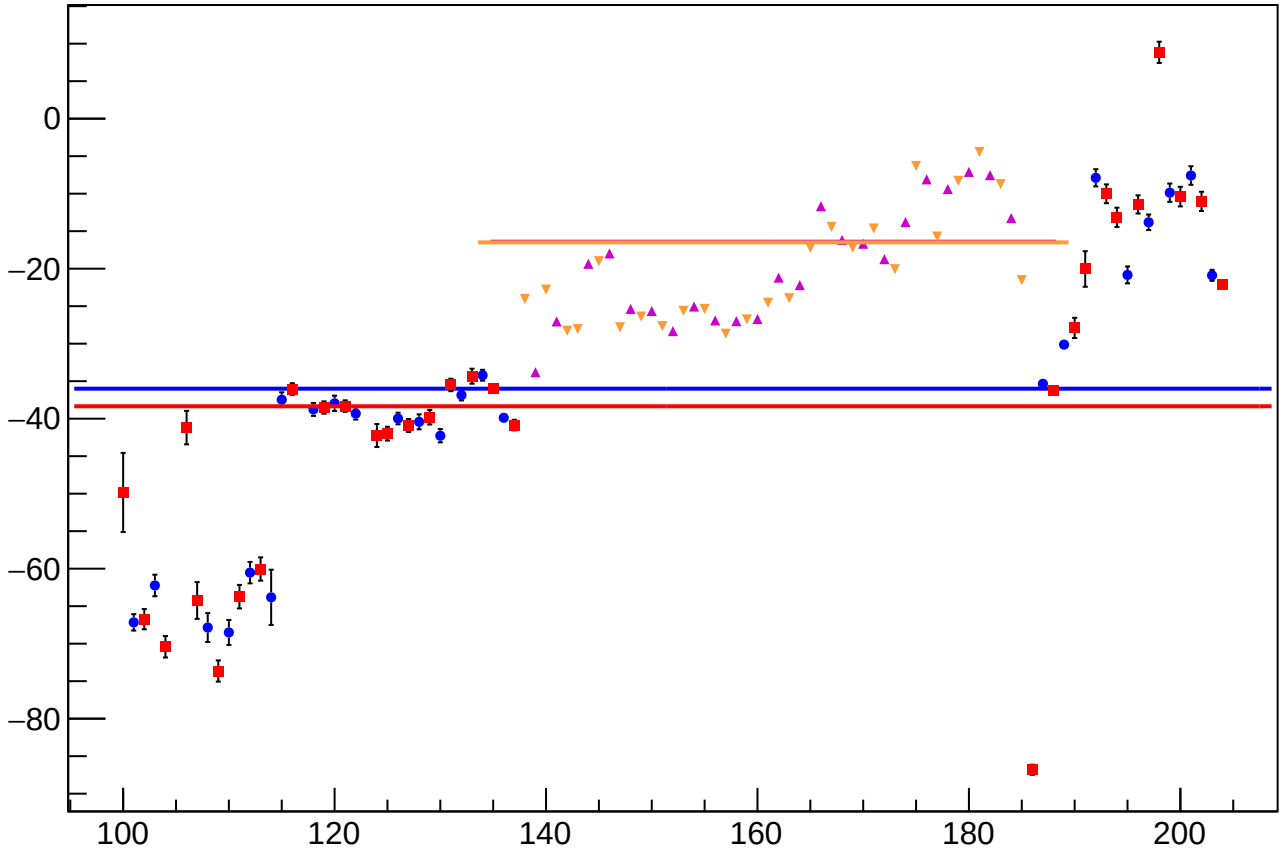
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.414+/-0.040 χ^2/NDF: 7492.8/48

All: 4.264+/-0.029 χ^2/NDF: 14491.4/101

- sign 4.108+/-0.041 χ^2/NDF: 6970.2/52

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -36.003+/-0.173 χ^2/NDF: 5131.6/23

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -38.347+/-0.165 χ^2/NDF: 11611.4/29

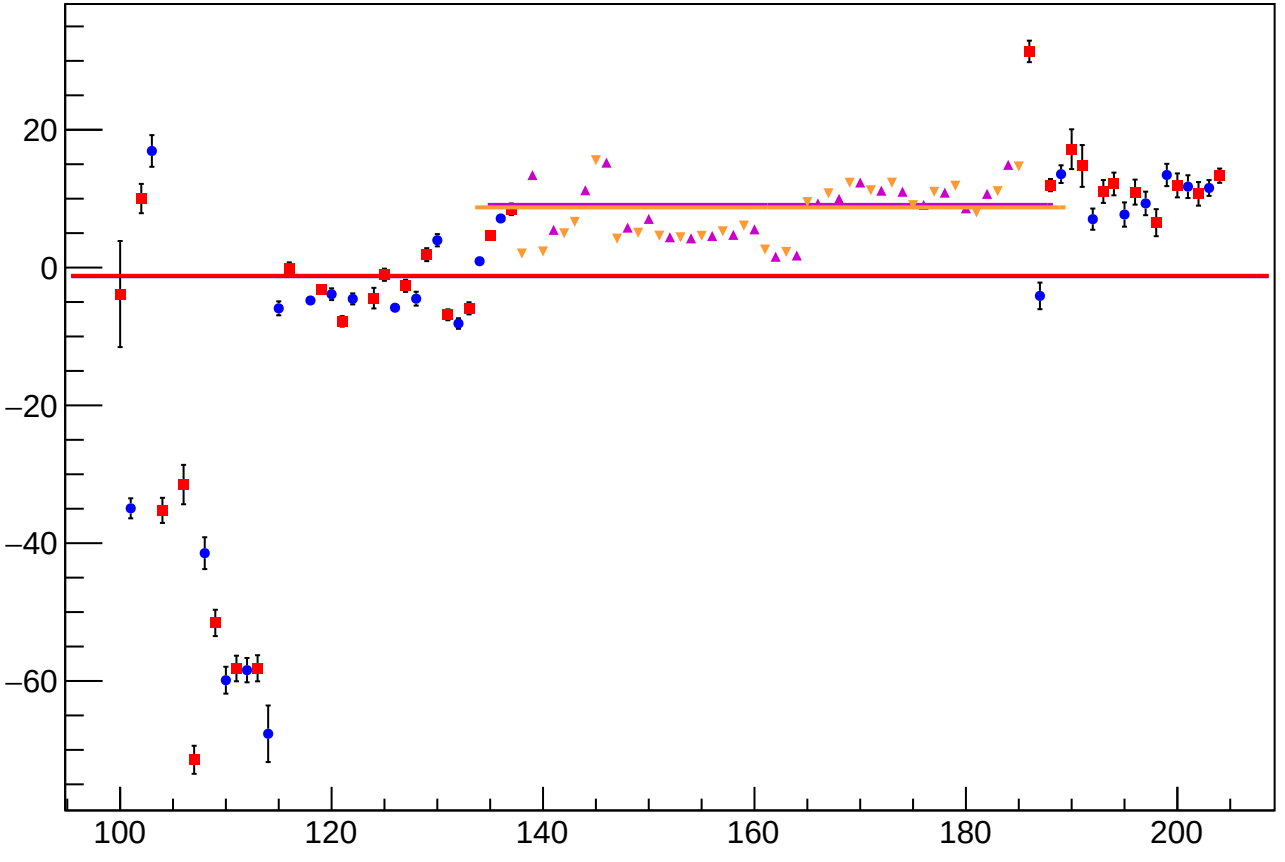
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.155+/-0.050 χ^2/NDF: 38759.7/48

All: -18.334+/-0.036 χ^2/NDF: 84405.7/101

- sign -18.519+/-0.051 χ^2/NDF: 45620.5/52

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -1.253+/-0.195 χ^2/NDF: 4287.0/23

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -1.195+/-0.207 χ^2/NDF: 5857.5/29

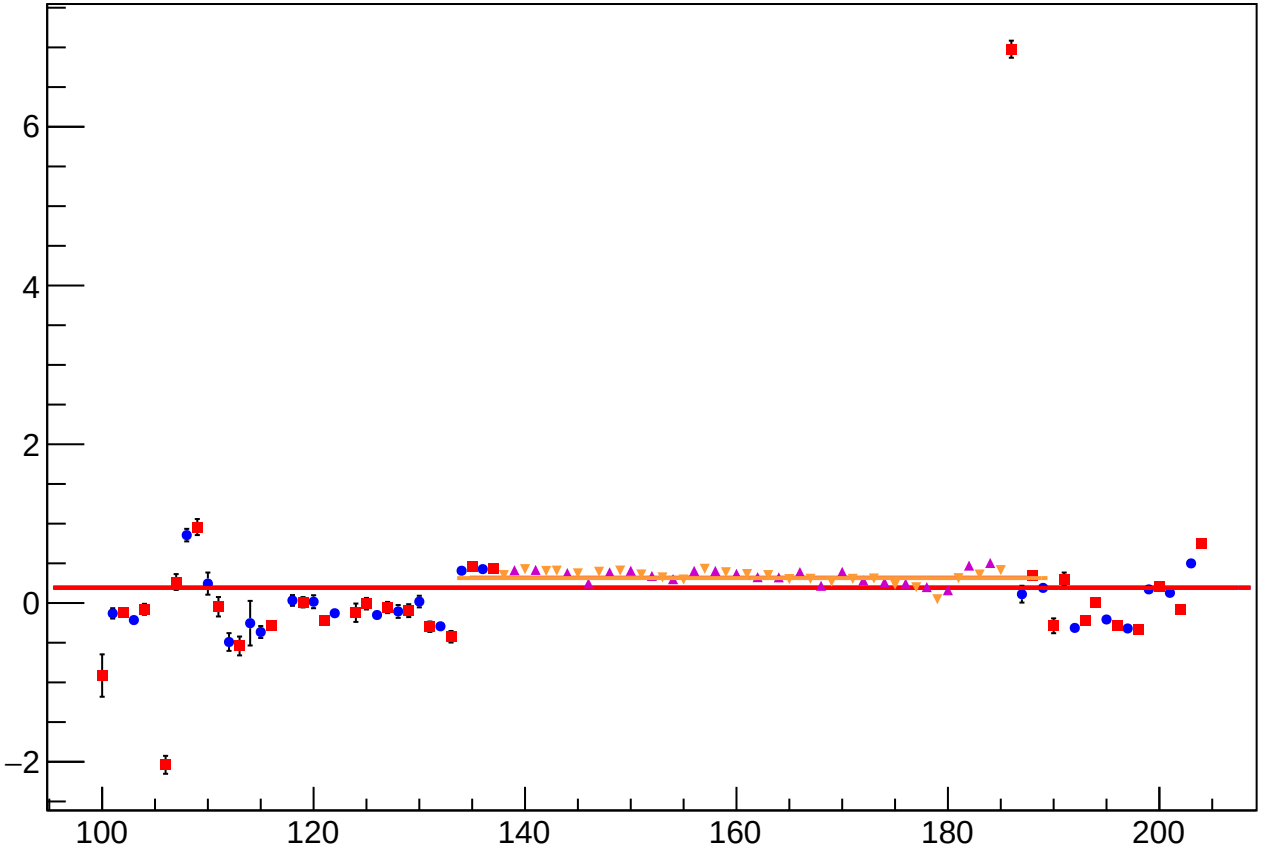
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.205+/-0.045 χ^2/NDF: 13639.1/48

All: 8.393+/-0.032 χ^2/NDF: 27630.2/101

- sign 8.588+/-0.046 χ^2/NDF: 13955.7/52

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.196+/-0.010 χ^2/NDF: 948.5/23

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.190+/-0.010 χ^2/NDF: 5437.0/29

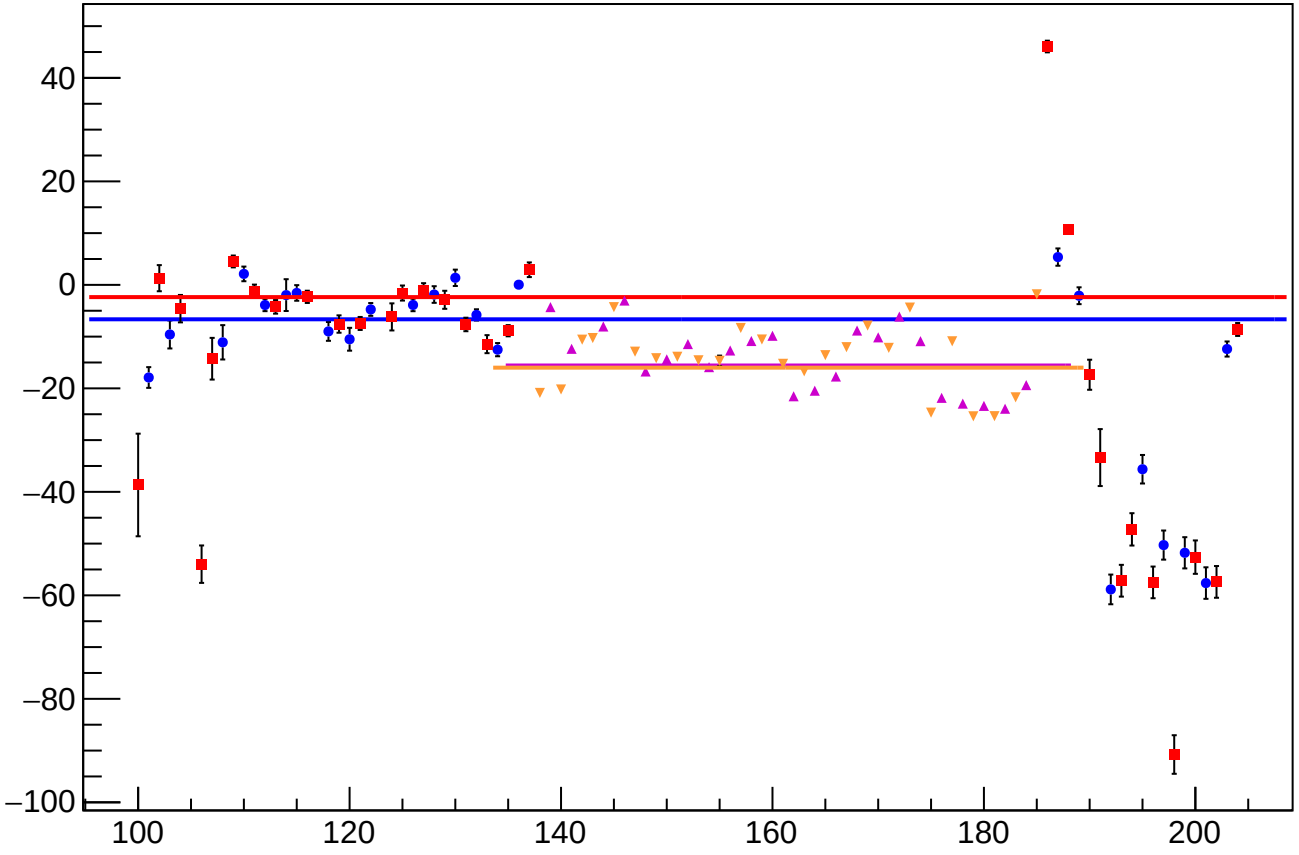
Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.309+/-0.002 χ^2/NDF: 2689.8/48

All: 0.311+/-0.001 χ^2/NDF: 10063.2/101

- sign 0.314+/-0.002 χ^2/NDF: 7370.8/52

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -6.654+/-0.314 χ^2/NDF: 1512.0/23

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -2.363+/-0.298 χ^2/NDF: 4495.9/29

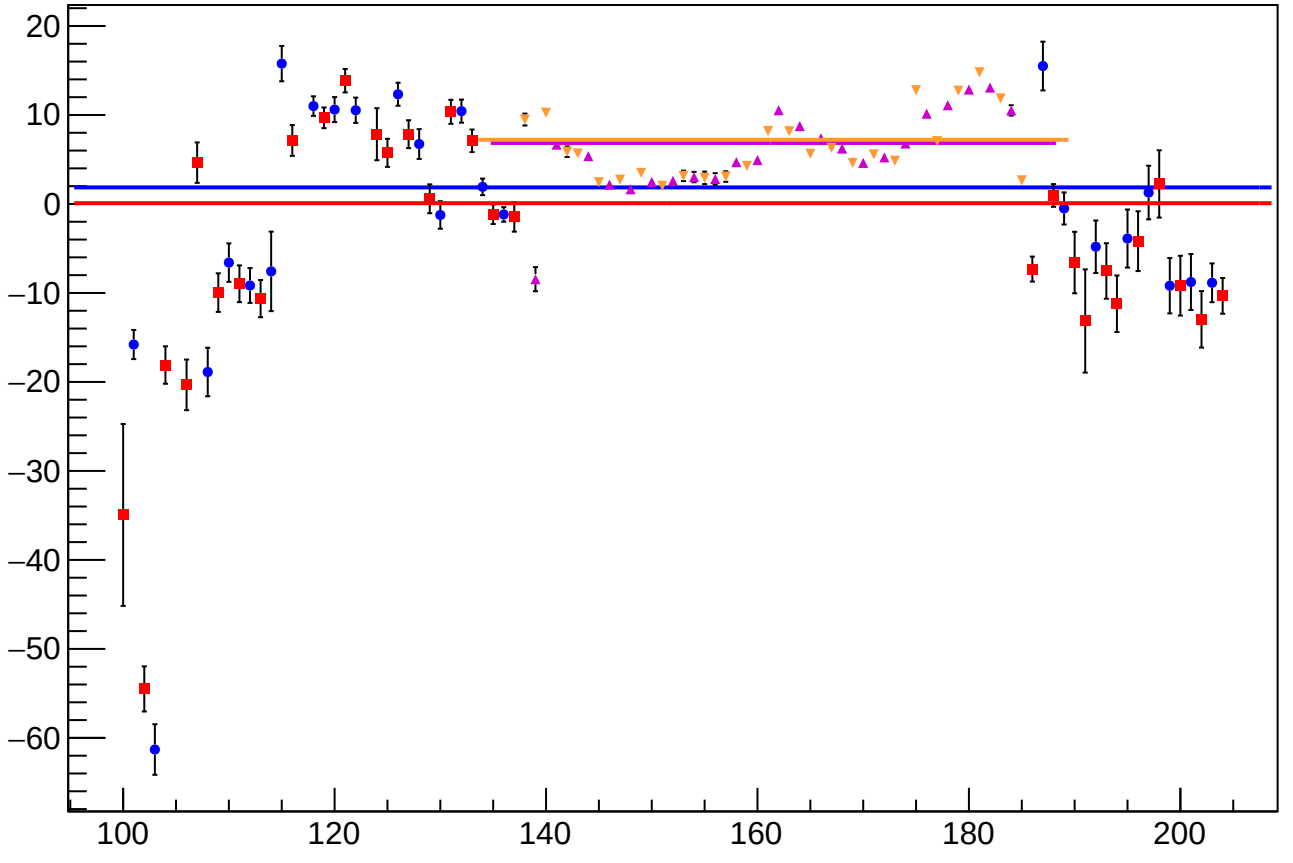
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.148+/-0.095 χ^2/NDF: 8281.0/48

All: -14.682+/-0.068 χ^2/NDF: 19344.1/101

- sign -14.199+/-0.097 χ^2/NDF: 11013.8/52

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 1.860+/-0.333 χ^2/NDF: 1132.7/23

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 0.087+/-0.338 χ^2/NDF: 1110.4/29

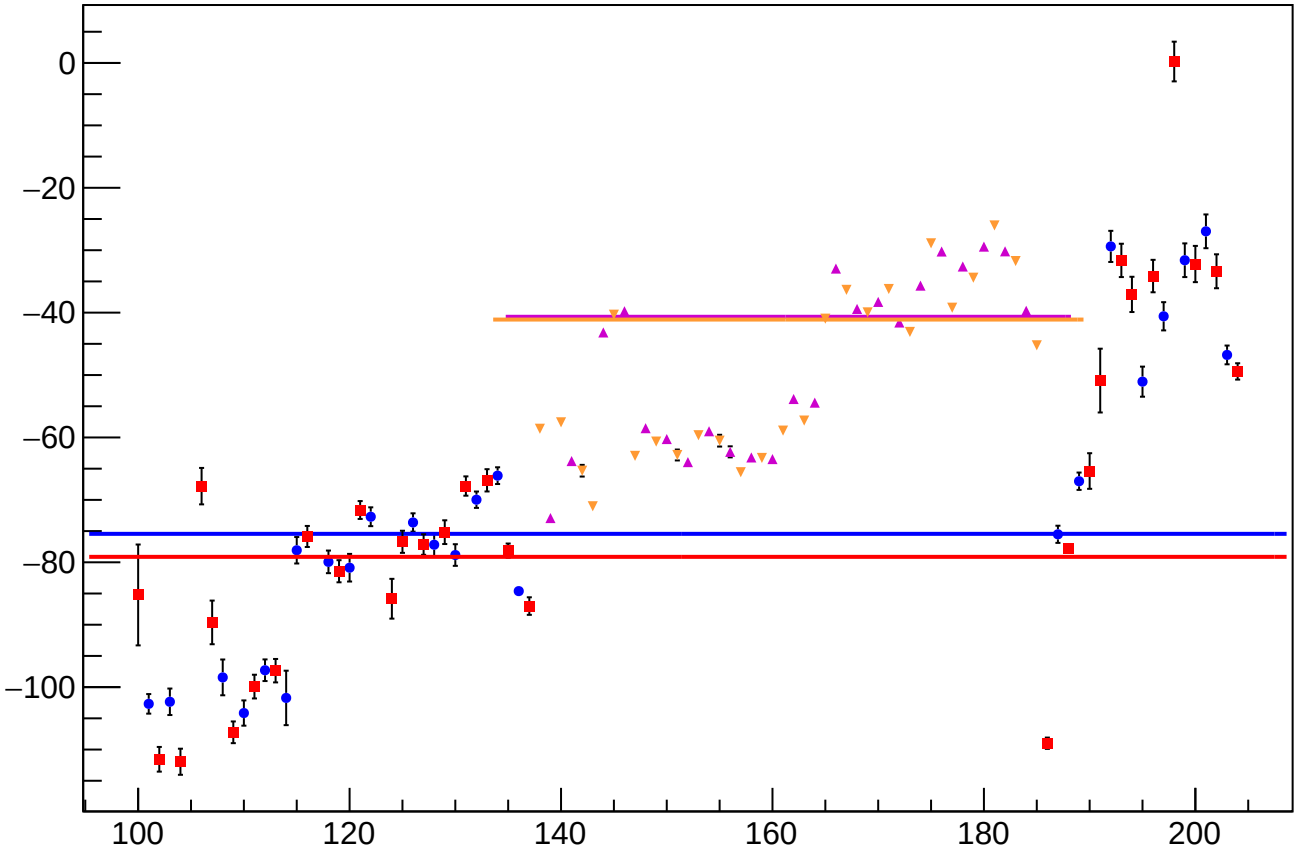
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.919+/-0.078 χ^2/NDF: 3833.1/48

All: 6.706+/-0.055 χ^2/NDF: 7493.8/101

- sign 6.488+/-0.079 χ^2/NDF: 3645.6/52

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -75.441+/-0.332 χ^2/NDF: 2846.7/23

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -79.127+/-0.310 χ^2/NDF: 4859.6/29

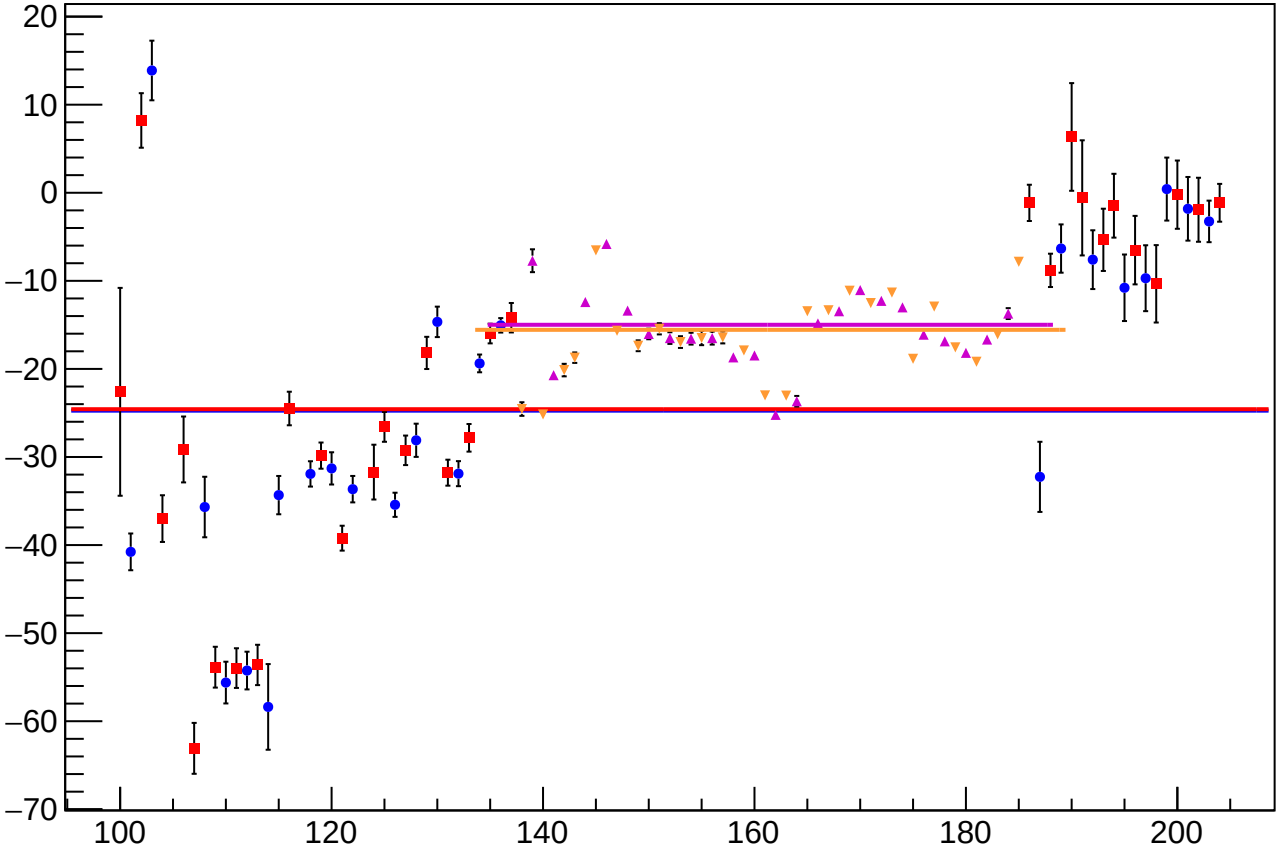
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -43.964+/-0.096 χ^2/NDF: 28640.8/48

All: -44.201+/-0.068 χ^2/NDF: 60964.5/101

- sign -44.444+/-0.097 χ^2/NDF: 32311.3/52

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -24.738+/-0.374 χ^2/NDF: 1268.1/23

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -24.575+/-0.390 χ^2/NDF: 1614.4/29

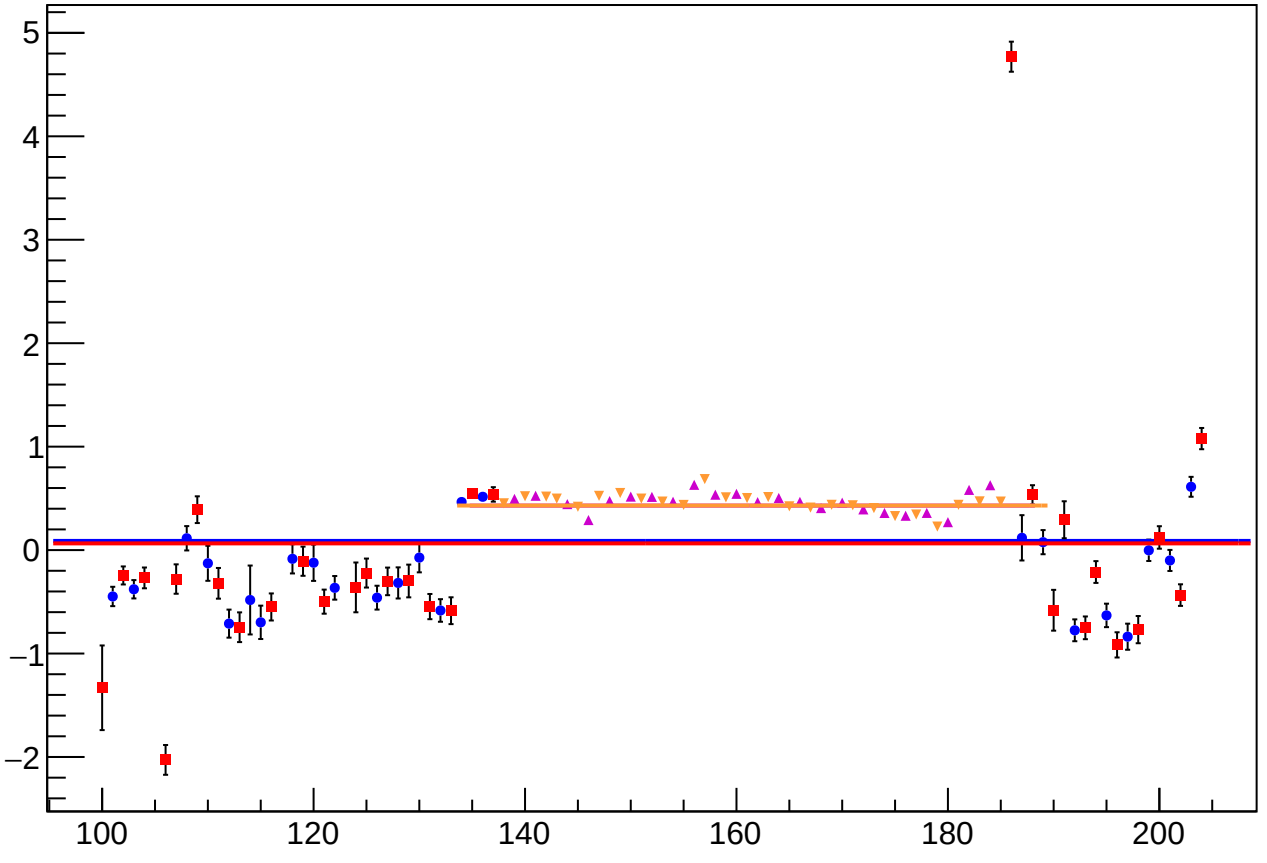
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.053+/-0.086 χ^2/NDF: 4387.5/48

All: -15.770+/-0.062 χ^2/NDF: 8748.3/101

- sign -15.478+/-0.088 χ^2/NDF: 4339.0/52

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.019 χ^2/NDF: 629.5/23

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.065+/-0.020 χ^2/NDF: 1954.9/29

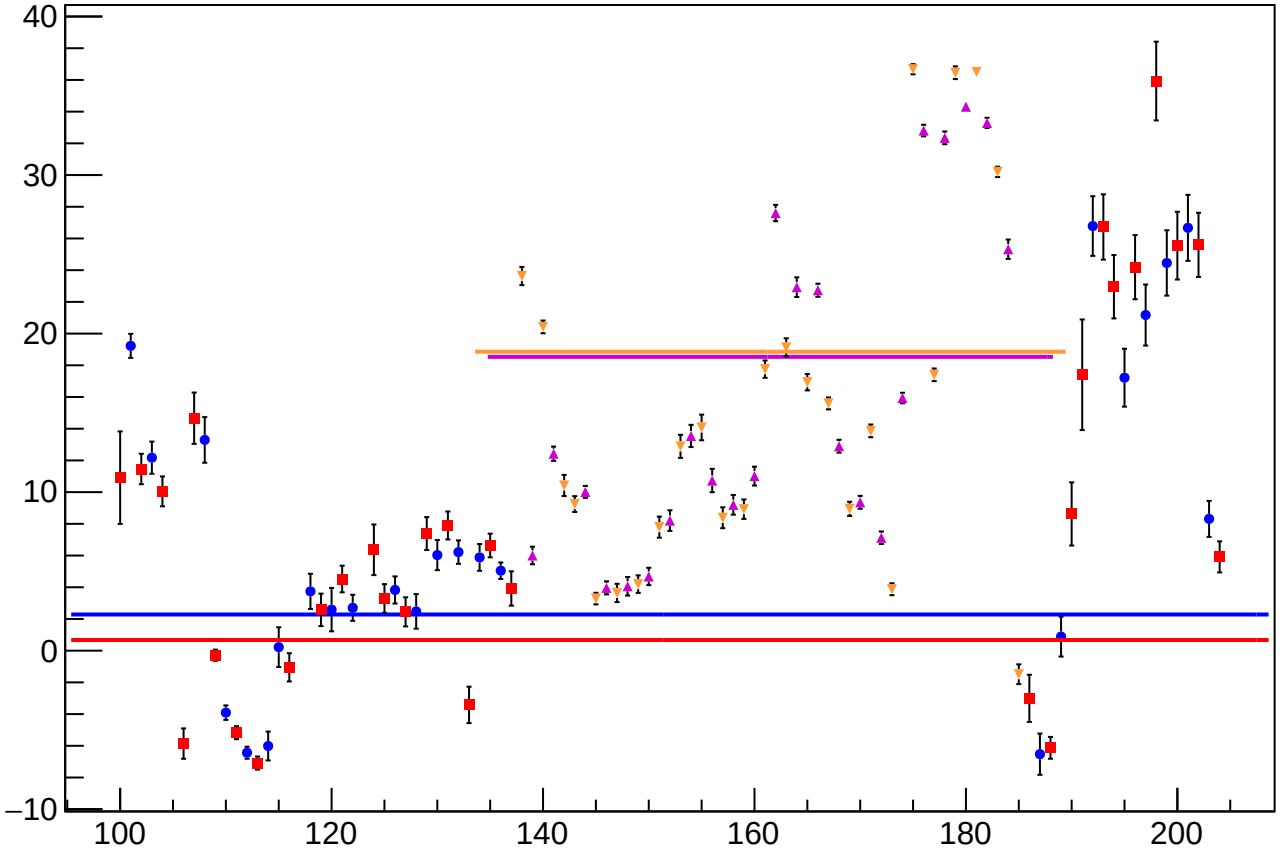
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.416+/-0.004 χ^2/NDF: 1362.3/48

All: 0.416+/-0.003 χ^2/NDF: 4217.1/101

- sign 0.416+/-0.004 χ^2/NDF: 2854.8/52

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.282+/-0.174 χ^2/NDF: 2205.9/23

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.673+/-0.156 χ^2/NDF: 2248.1/29

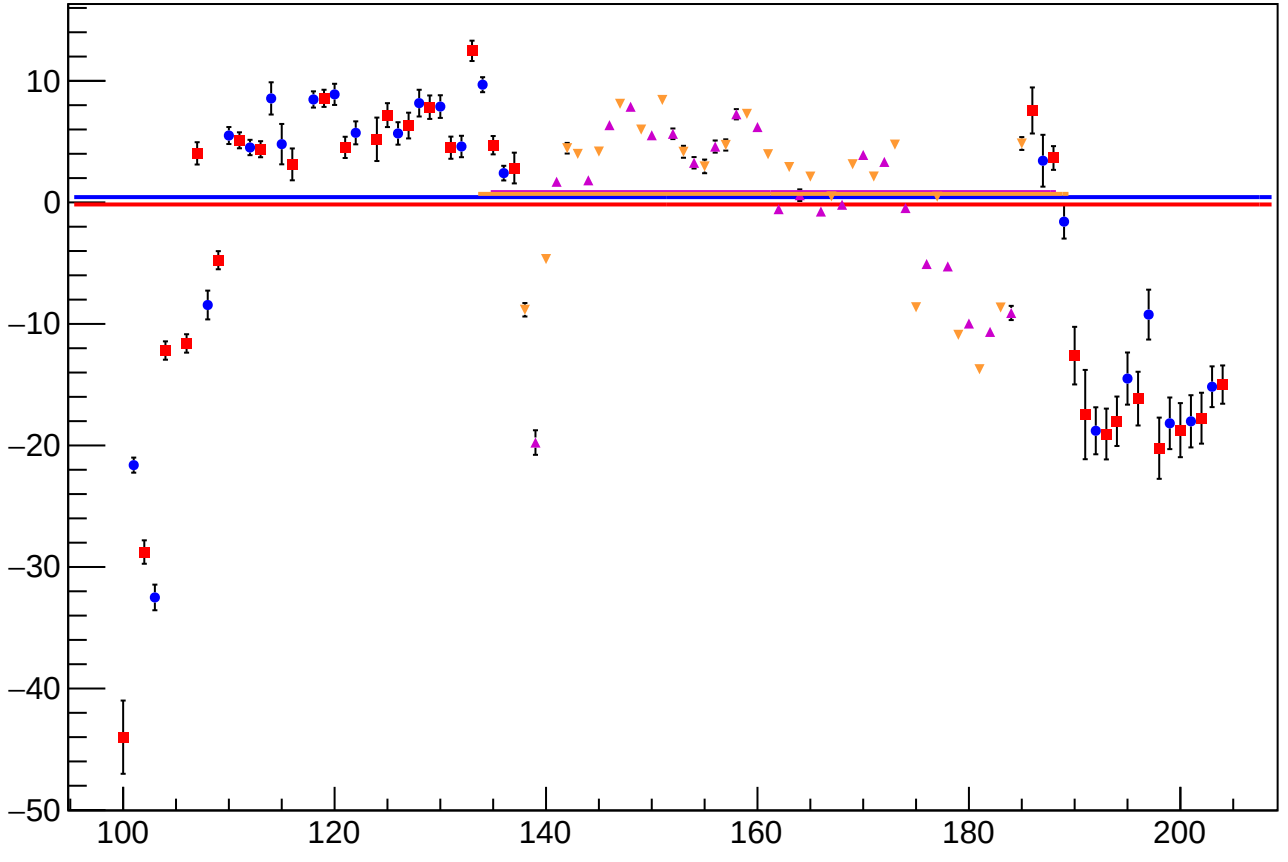
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.325+/-0.080 χ^2/NDF: 27745.2/48

All: 14.583+/-0.057 χ^2/NDF: 53870.4/101

- sign 13.844+/-0.080 χ^2/NDF: 25954.4/52

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.435+/-0.195 χ^2/NDF: 3516.3/23

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -0.170+/-0.190 χ^2/NDF: 2989.6/29

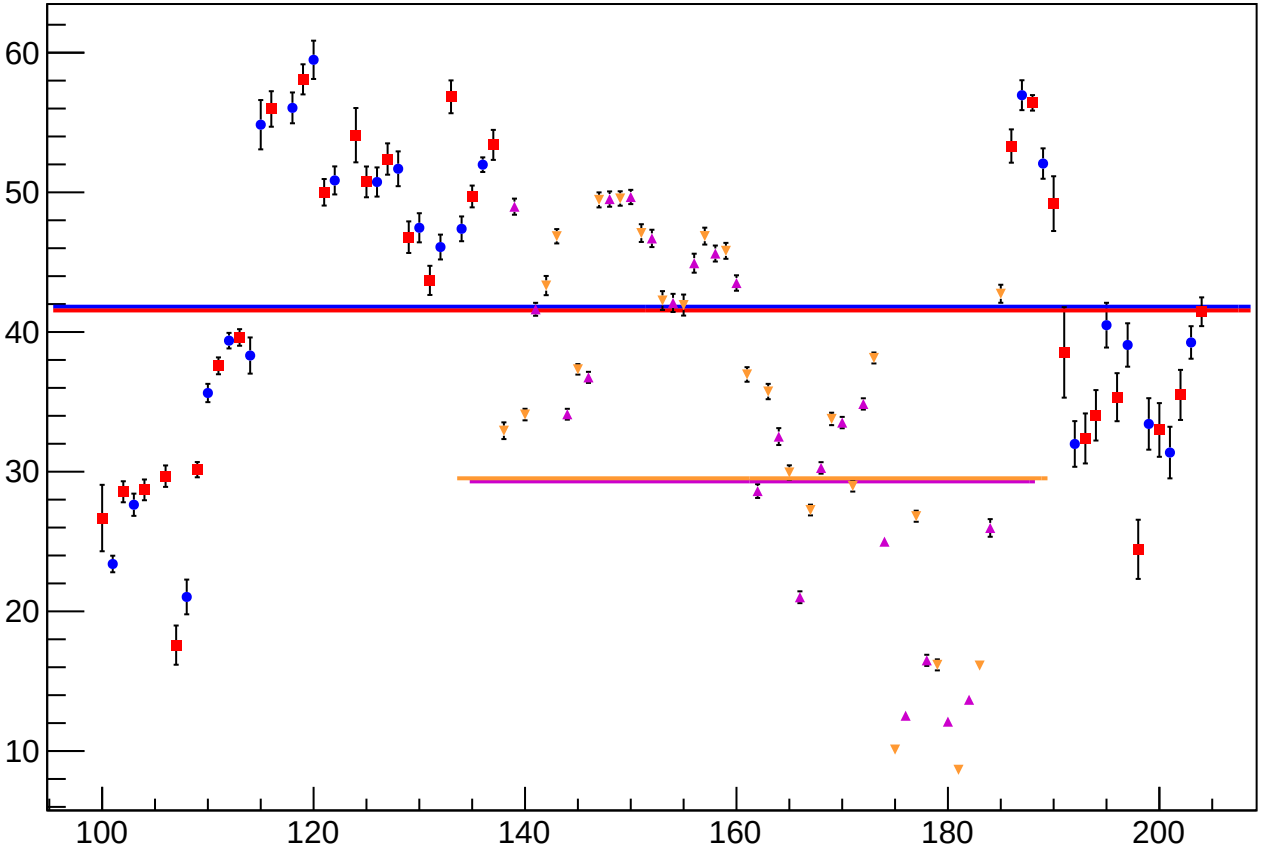
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.671+/-0.066 χ^2/NDF: 11755.7/48

All: 0.694+/-0.047 χ^2/NDF: 20816.0/101

- sign 0.718+/-0.068 χ^2/NDF: 9060.0/52

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.812+/-0.193 χ^2/NDF: 3136.0/23

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.545+/-0.179 χ^2/NDF: 3711.3/29

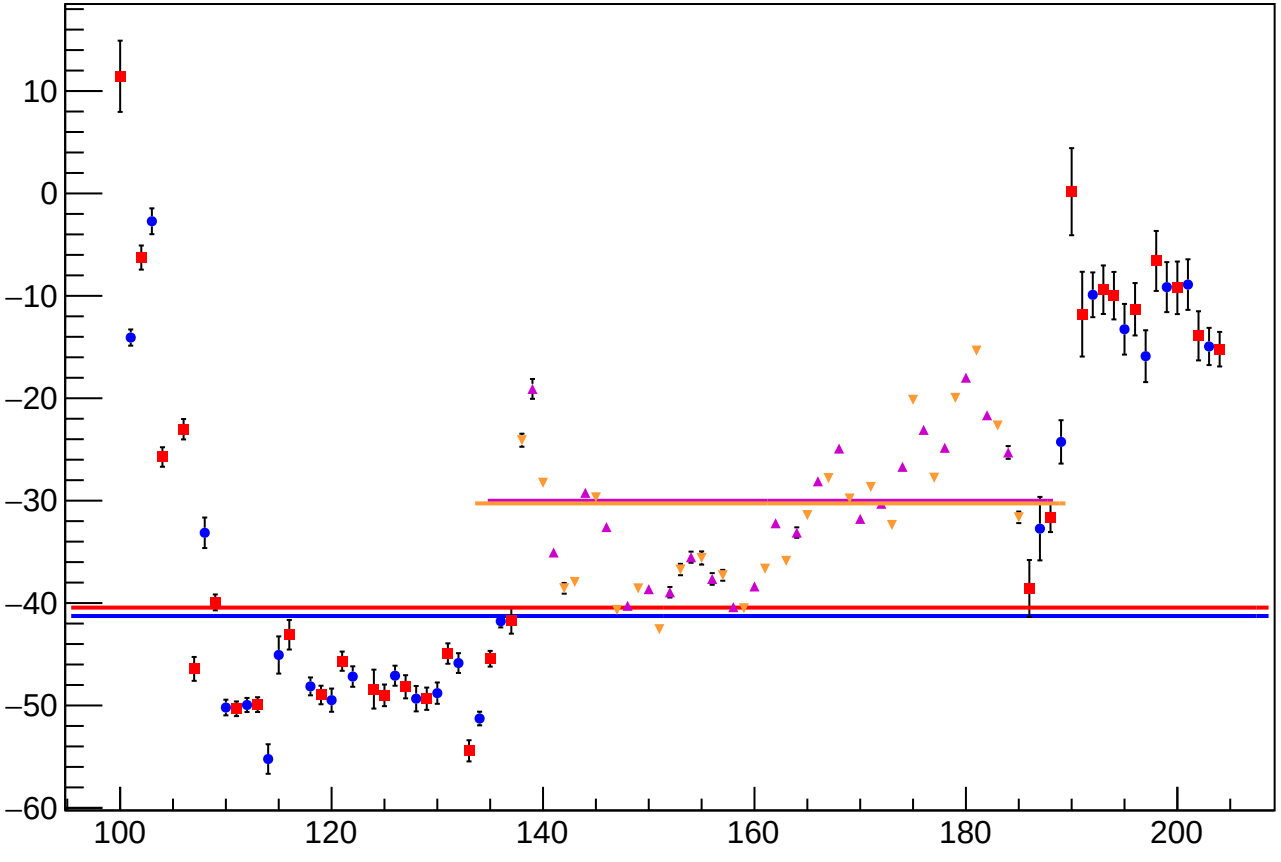
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.738+/-0.082 χ^2/NDF: 27531.4/48

All: 31.827+/-0.058 χ^2/NDF: 52803.3/101

- sign 31.917+/-0.083 χ^2/NDF: 25269.6/52

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -41.264+/-0.221 χ^2/NDF: 4123.3/23

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -40.443+/-0.218 χ^2/NDF: 3845.2/29

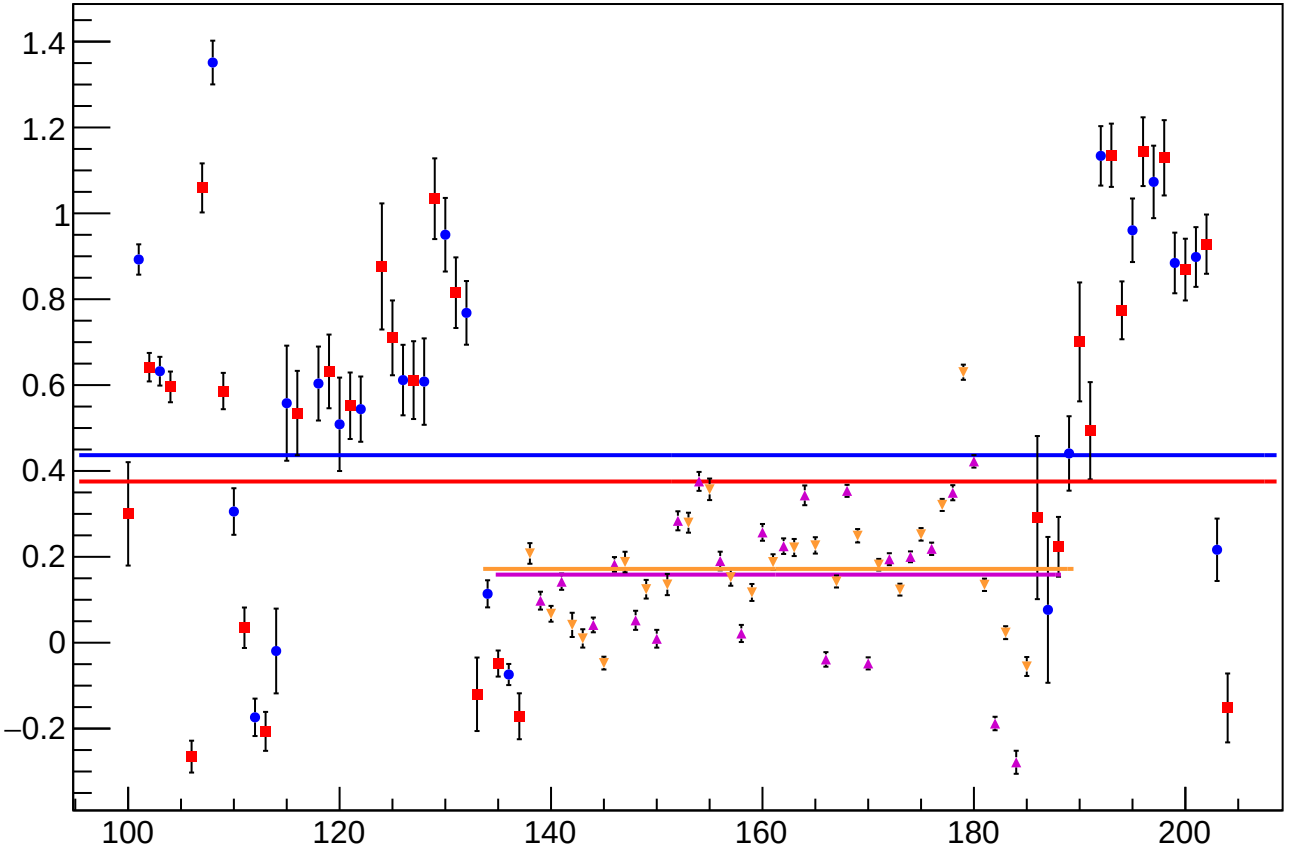
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.523+/-0.075 χ^2/NDF: 14819.9/48

All: -31.408+/-0.053 χ^2/NDF: 26767.6/101

- sign -31.289+/-0.076 χ^2/NDF: 11942.9/52

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.437+/-0.011 χ^2/NDF: 1658.8/23

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.375+/-0.011 χ^2/NDF: 1719.8/29

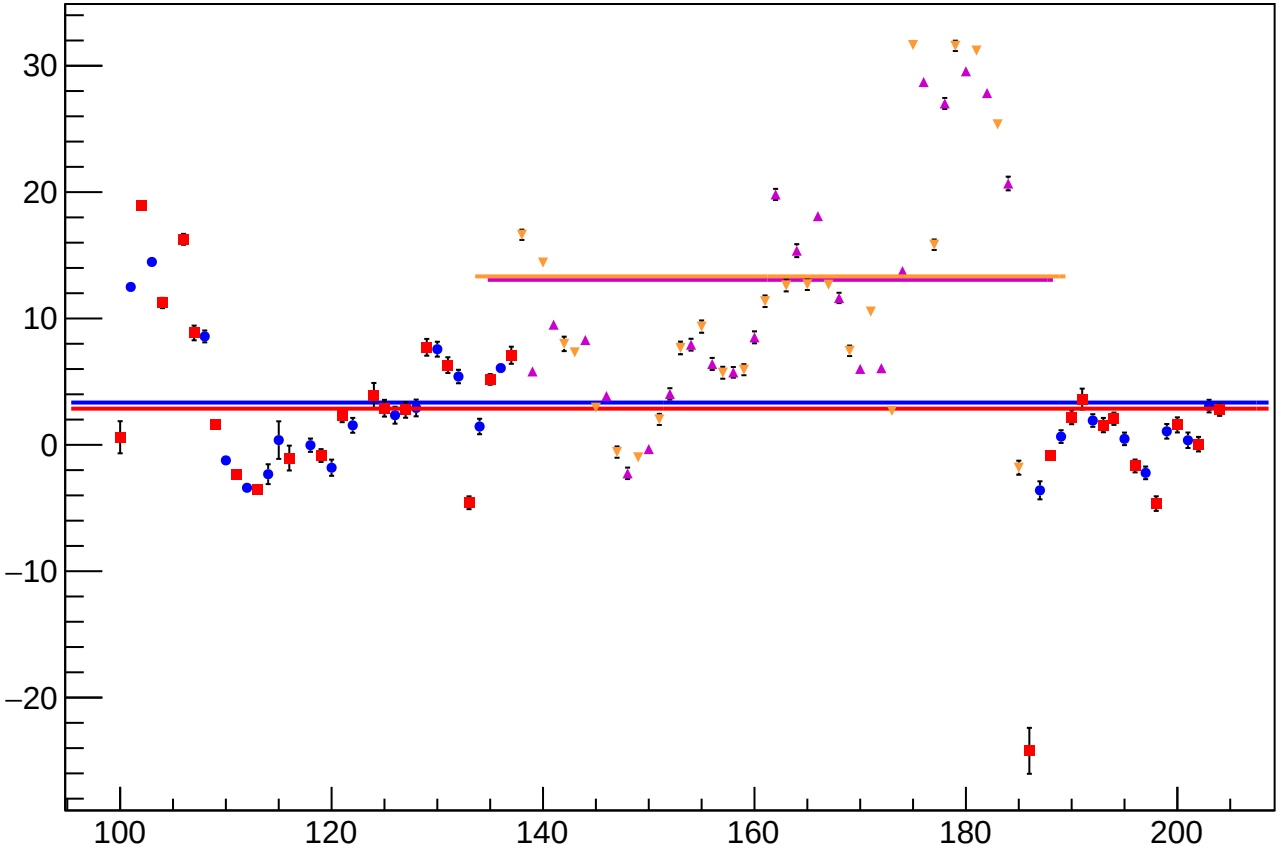
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.196+/-0.003 χ^2/NDF: 3670.6/48

All: 0.188+/-0.002 χ^2/NDF: 7945.8/101

- sign 0.180+/-0.003 χ^2/NDF: 4264.3/52

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.347+/-0.100 χ^2/NDF: 3035.6/23

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

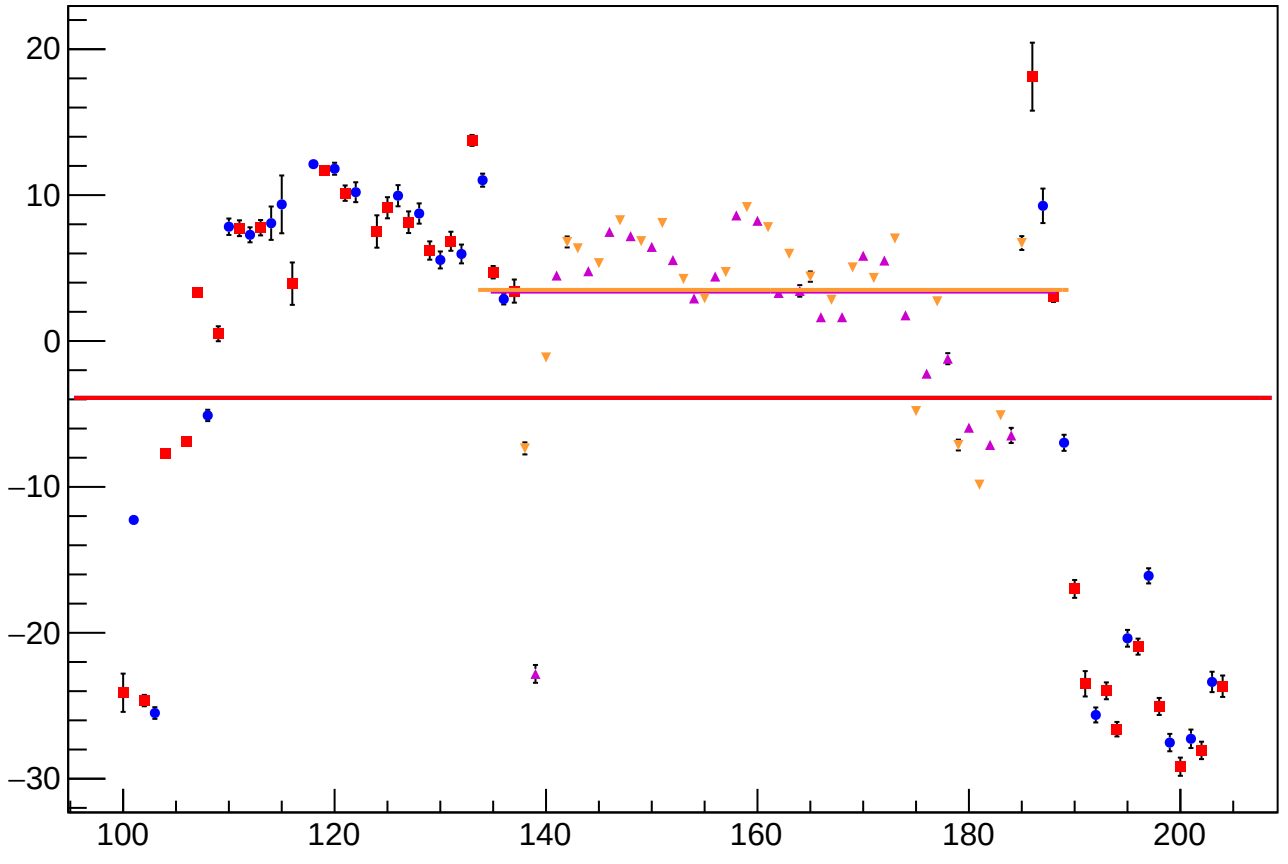
Right Out: 2.865+/-0.088 χ^2/NDF: 5106.1/29

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 9.613+/-0.061 χ^2/NDF: 28766.9/48

All: 9.039+/-0.042 χ^2/NDF: 56995.5/101

- sign 8.501+/-0.059 χ^2/NDF: 28056.4/52



Right In: -3.892+/-0.102 χ^2/NDF: 19062.5/23

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -3.900+/-0.094 χ^2/NDF: 22694.5/29

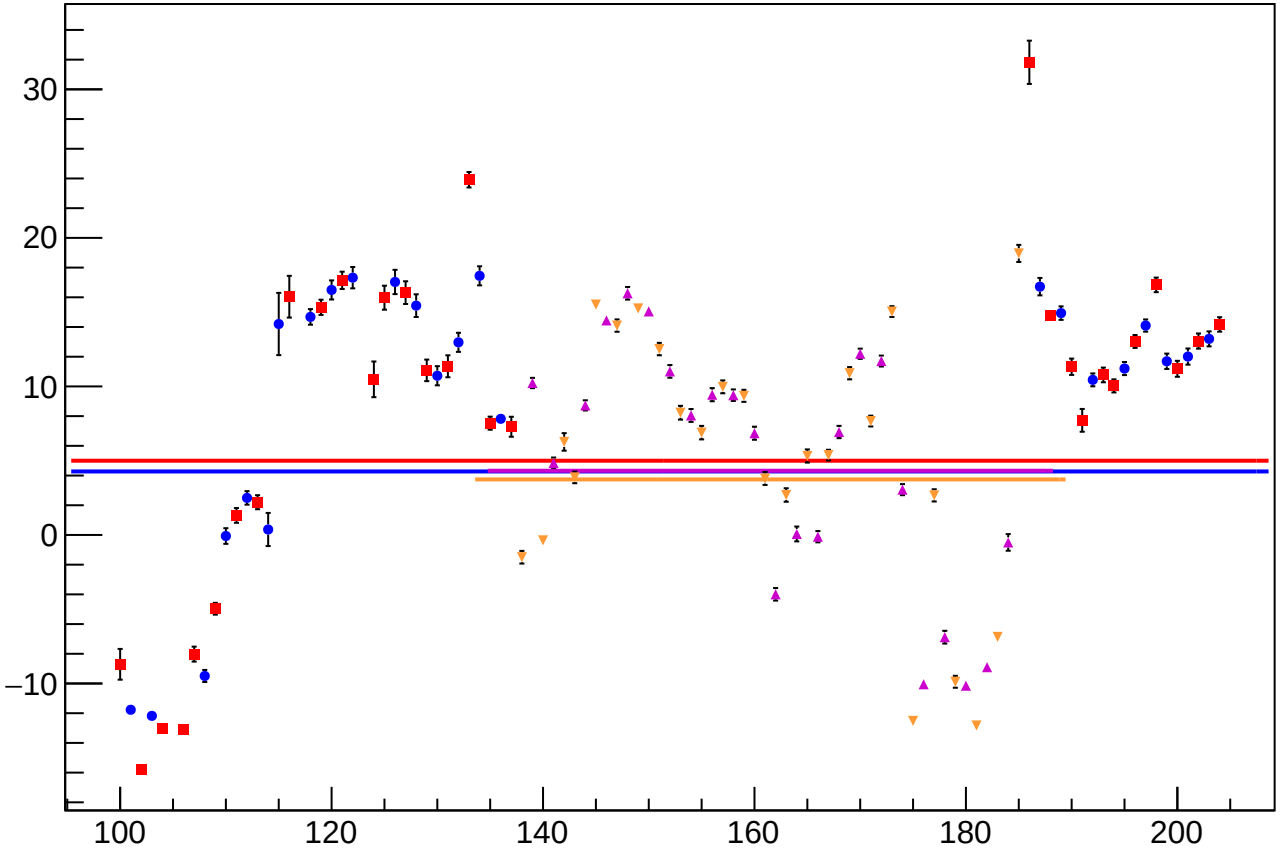
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 1.667+/-0.051 χ^2/NDF: 30931.9/48

All: 1.451+/-0.036 χ^2/NDF: 64585.3/101

- sign 1.232+/-0.051 χ^2/NDF: 33617.0/52

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.275+/-0.097 χ^2/NDF: 13317.0/23

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 4.998+/-0.086 χ^2/NDF: 19912.8/29

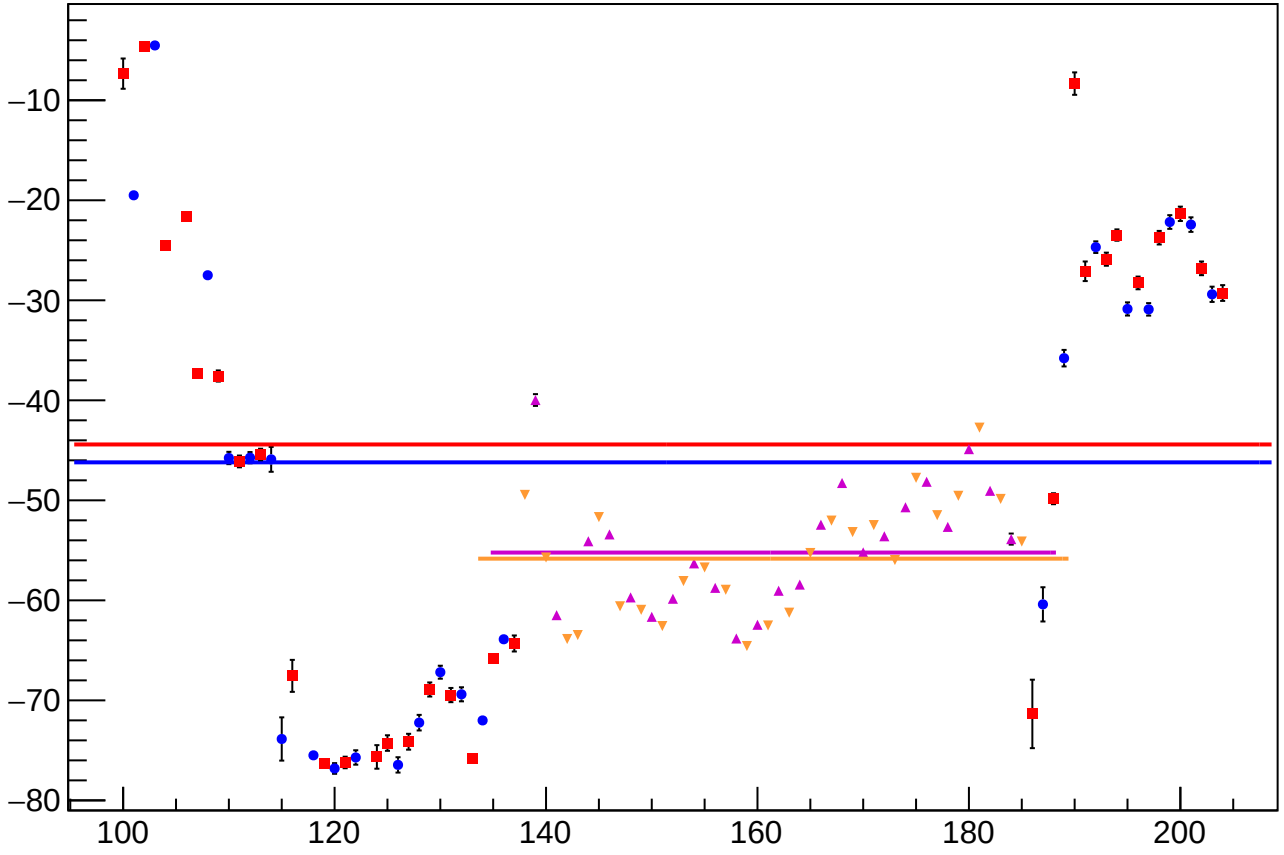
Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 3.943+/-0.060 χ^2/NDF: 28922.5/48

All: 4.297+/-0.042 χ^2/NDF: 61419.3/101

- sign 4.628+/-0.058 χ^2/NDF: 32429.6/52

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -46.203+/-0.120 χ^2/NDF: 40666.9/23

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -44.414+/-0.112 χ^2/NDF: 43013.7/29

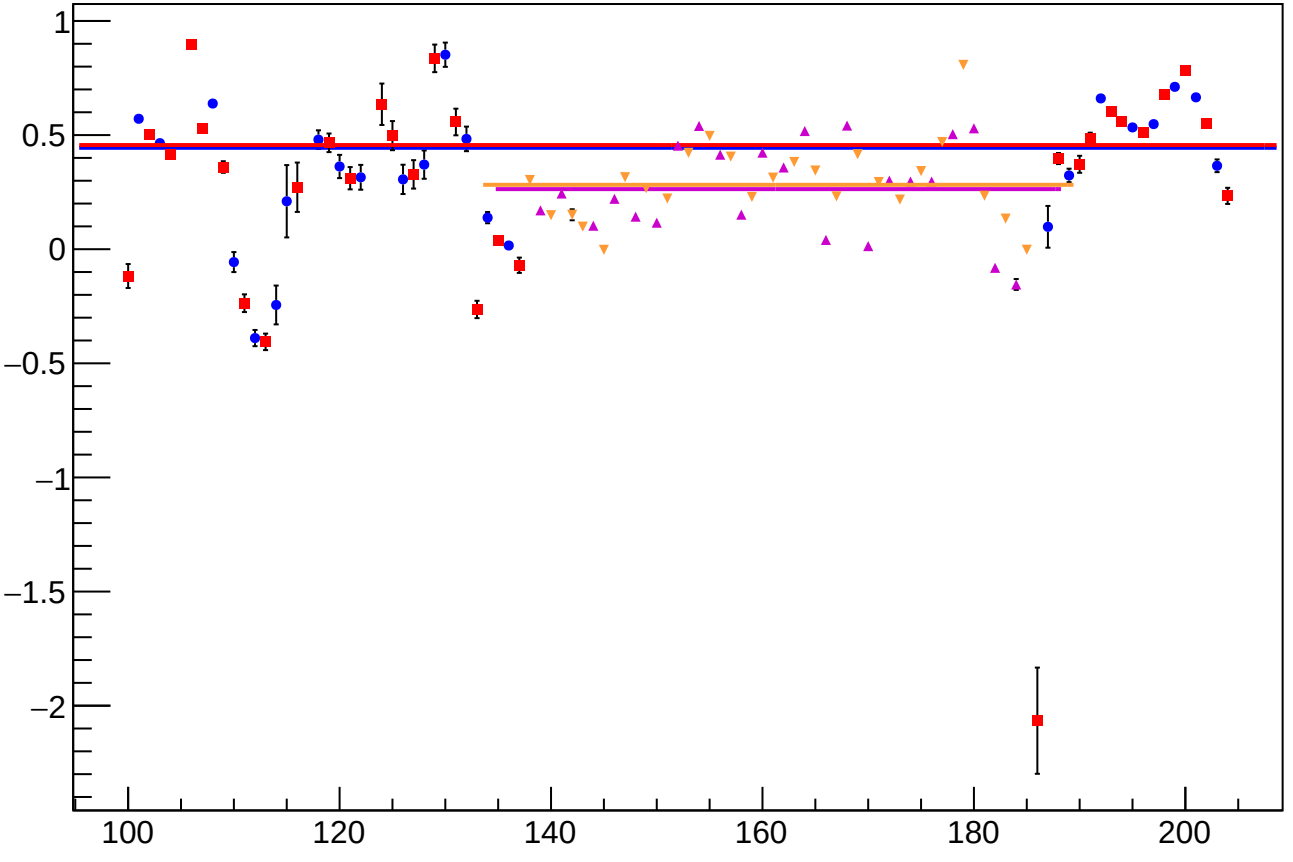
Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -53.573+/-0.058 χ^2/NDF: 53200.8/48

All: -52.928+/-0.041 χ^2/NDF: 109565.6/101

- sign -52.270+/-0.059 χ^2/NDF: 56115.1/52

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.444+/-0.005 χ^2/NDF: 2555.4/23

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.456+/-0.005 χ^2/NDF: 3627.7/29

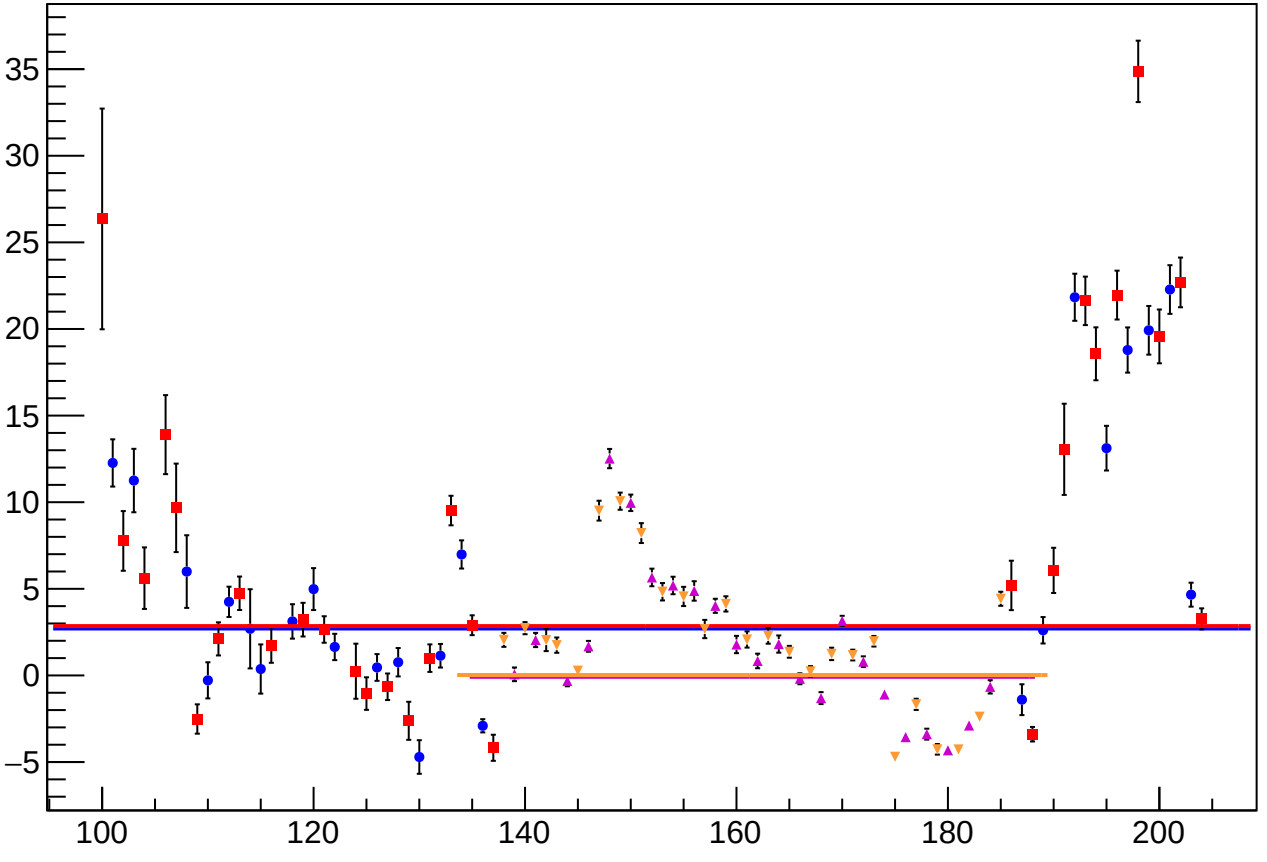
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.325+/-0.003 χ^2/NDF: 6048.7/48

All: 0.323+/-0.002 χ^2/NDF: 14744.0/101

- sign 0.322+/-0.003 χ^2/NDF: 8694.7/52

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 2.710+/-0.183 χ^2/NDF: 1203.7/23

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.848+/-0.176 χ^2/NDF: 1668.0/29

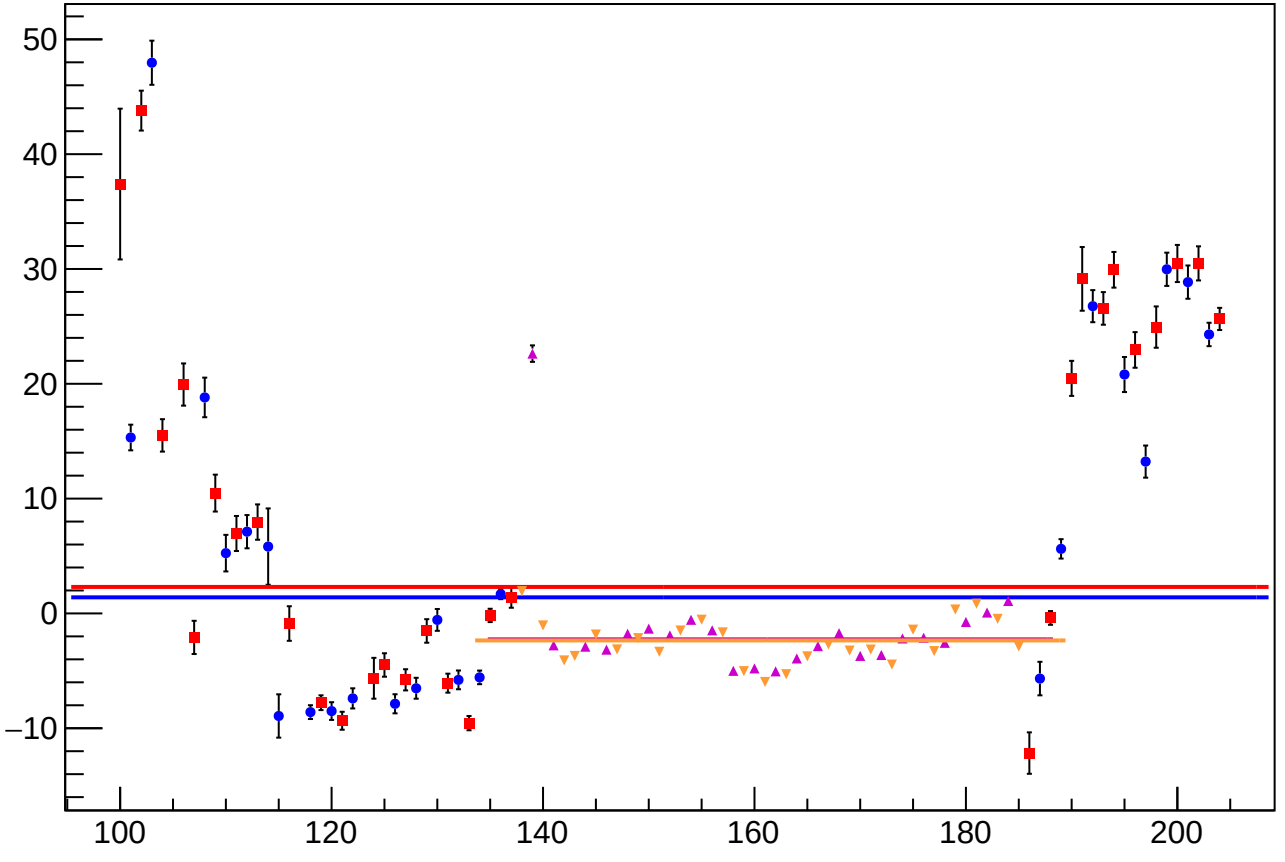
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.354+/-0.064 χ^2/NDF: 4152.9/48

All: 0.341+/-0.046 χ^2/NDF: 8524.7/101

- sign 0.329+/-0.066 χ^2/NDF: 4371.7/52

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 1.400+/-0.193 χ^2/NDF: 3722.3/23

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 2.308+/-0.195 χ^2/NDF: 4460.3/29

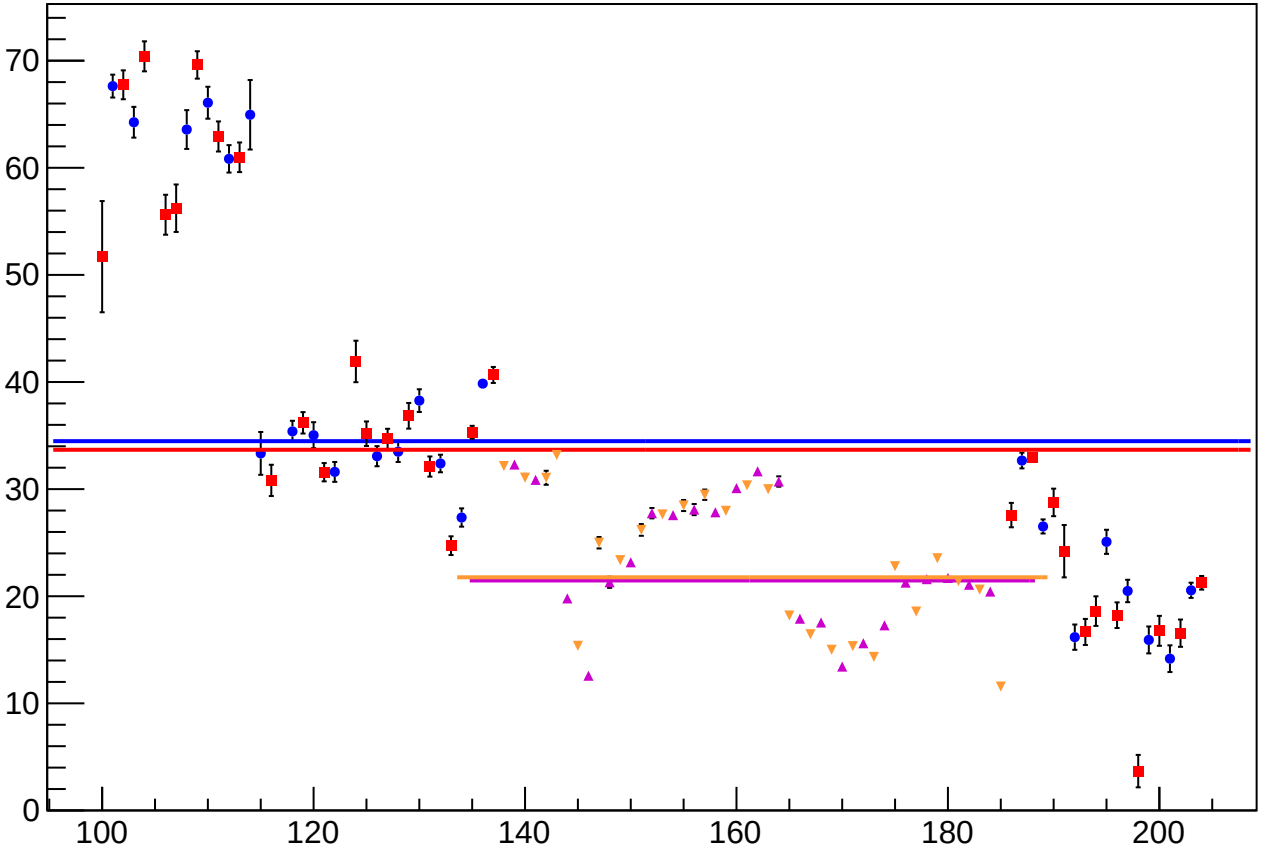
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -2.070+/-0.053 χ^2/NDF: 5197.0/48

All: -1.989+/-0.038 χ^2/NDF: 12044.9/101

- sign -1.905+/-0.054 χ^2/NDF: 6843.2/52

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 34.478+/-0.187 χ^2/NDF: 4417.0/23

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

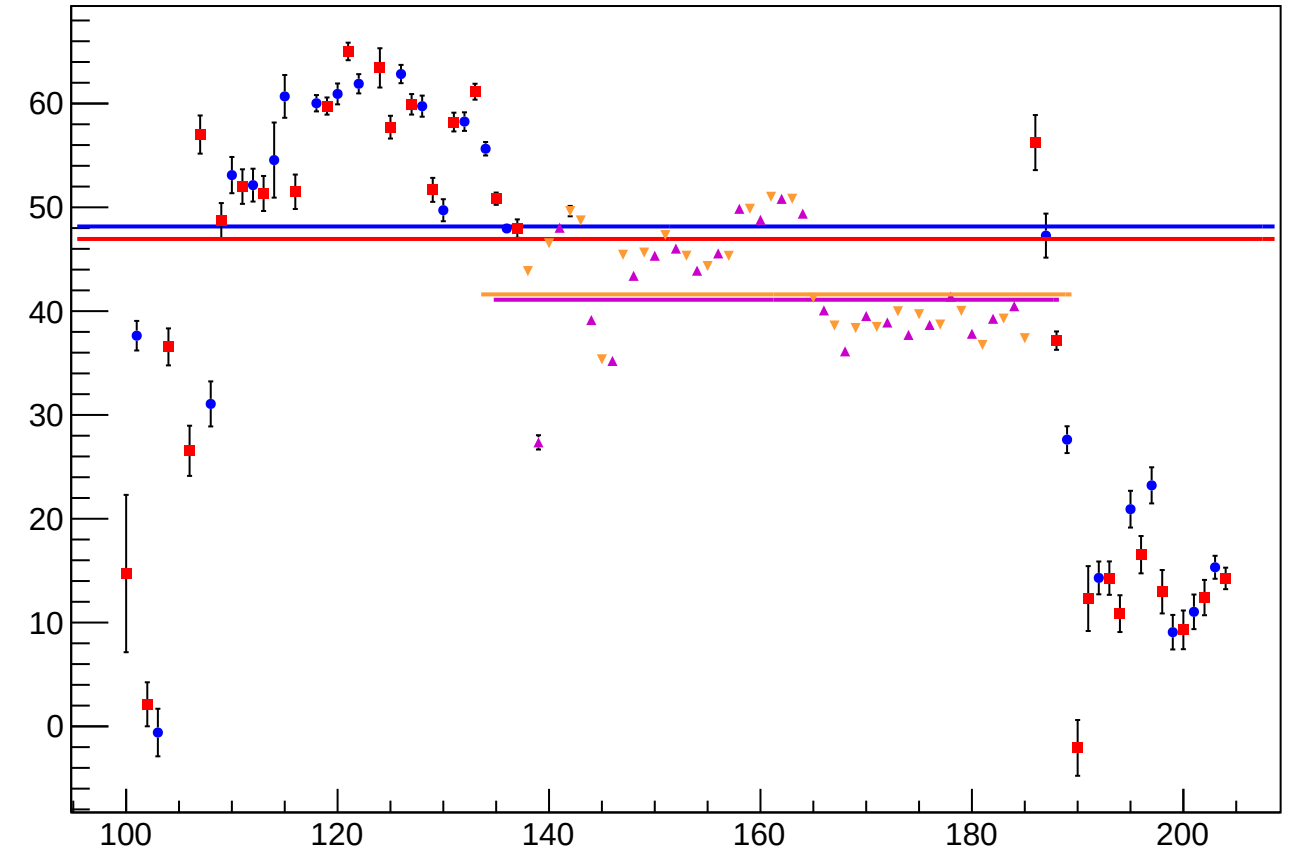
Right Out: 33.674+/-0.176 χ^2/NDF: 5084.9/29

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.282+/-0.065 χ^2/NDF: 15289.6/48

All: 23.221+/-0.046 χ^2/NDF: 30290.6/101

- sign 23.158+/-0.066 χ^2/NDF: 14999.2/52



Right In: 48.157+/-0.219 χ^2/NDF: 4986.2/23

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 46.954+/-0.225 χ^2/NDF: 6009.2/29

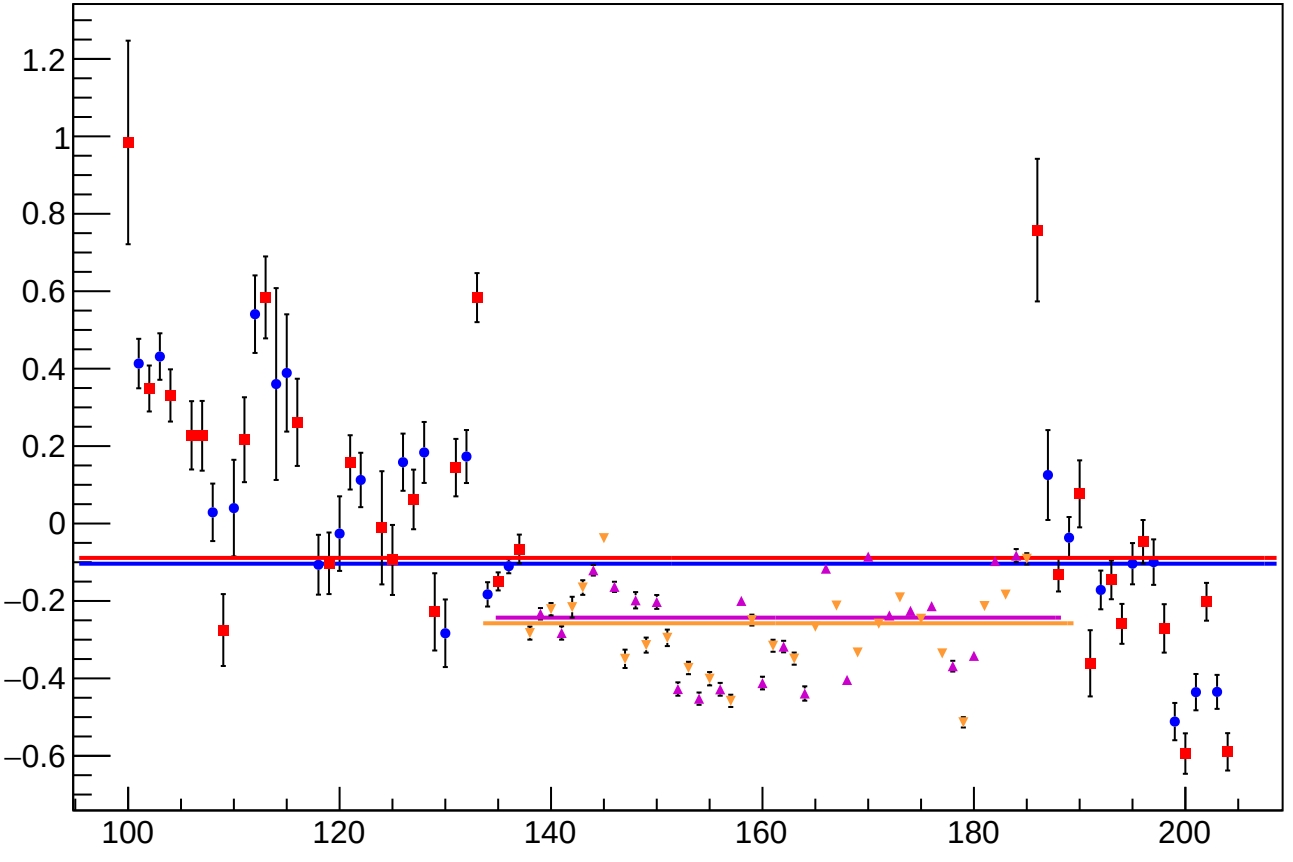
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.089+/-0.059 χ^2/NDF: 11592.6/48

All: 41.810+/-0.042 χ^2/NDF: 23752.9/101

- sign 41.518+/-0.060 χ^2/NDF: 12114.5/52

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.104+/-0.011 χ^2/NDF: 454.1/23

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

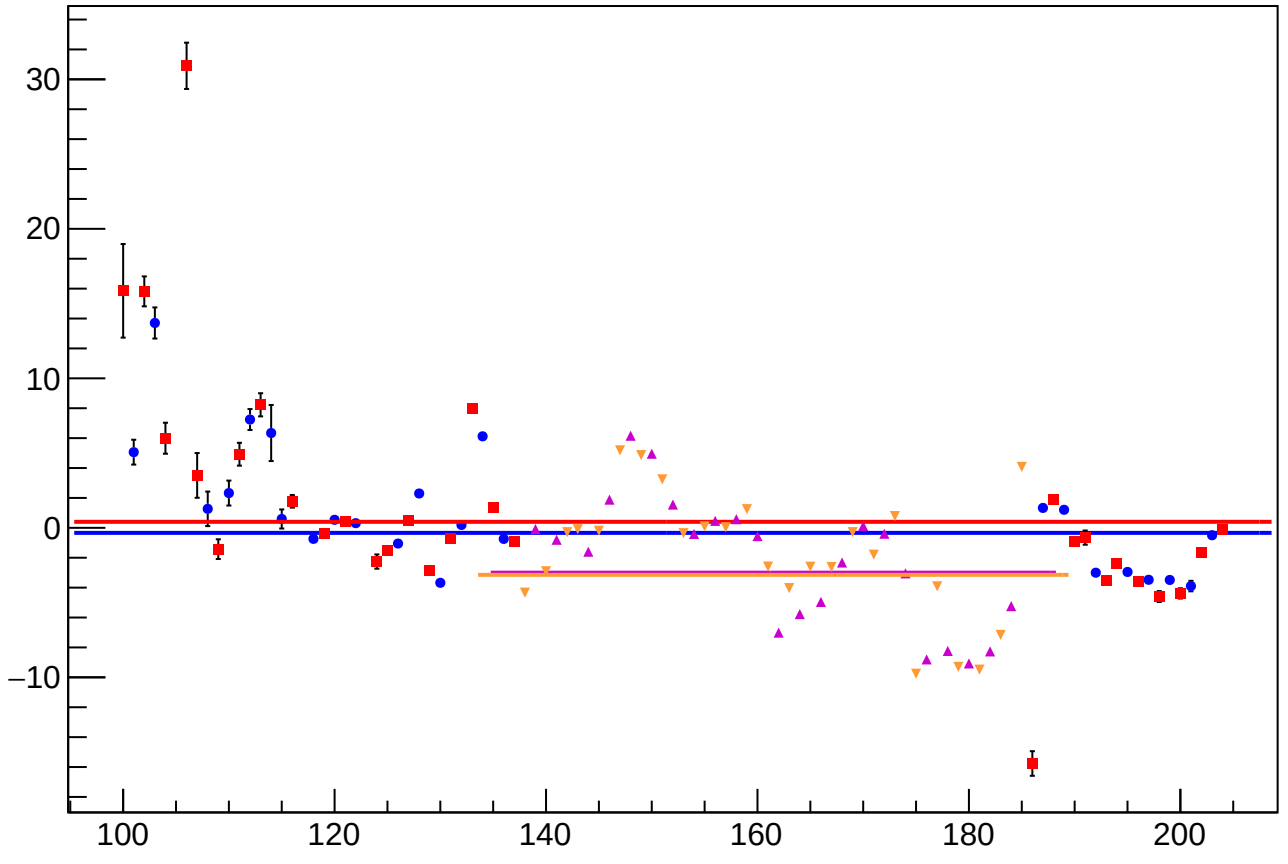
Right Out: -0.089+/-0.011 χ^2/NDF: 608.6/29

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.248+/-0.003 χ^2/NDF: 2168.2/48

All: -0.241+/-0.002 χ^2/NDF: 4788.9/101

- sign -0.234+/-0.003 χ^2/NDF: 2606.3/52



Right In: -0.336+/-0.059 χ^2/NDF: 1743.3/23

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.403+/-0.053 χ^2/NDF: 4078.2/29

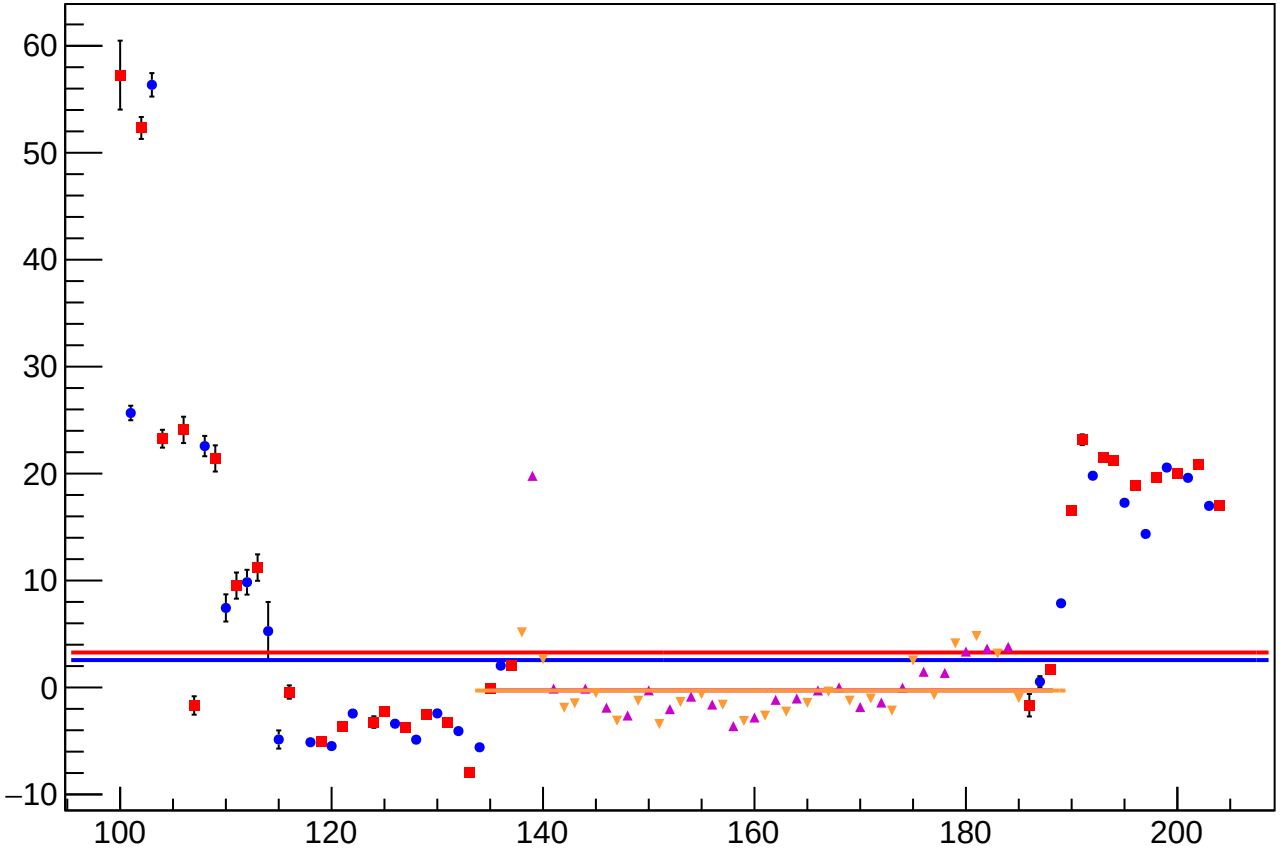
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.643+/-0.025 χ^2/NDF: 28932.5/48

All: -2.446+/-0.018 χ^2/NDF: 58711.7/101

- sign -2.249+/-0.025 χ^2/NDF: 29655.9/52

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 2.561+/-0.060 χ^2/NDF: 28436.5/23

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 3.270+/-0.056 χ^2/NDF: 39606.8/29

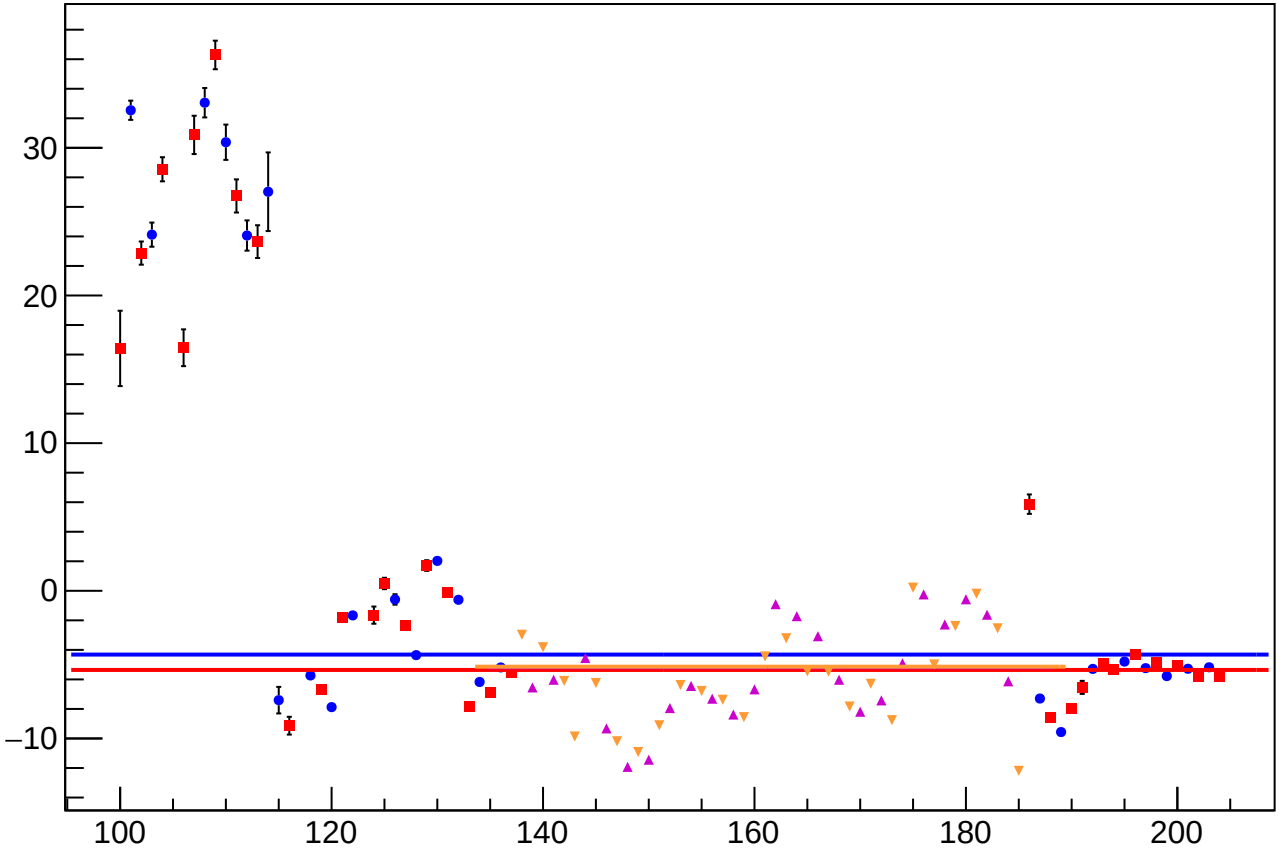
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign 0.049+/-0.020 χ^2/NDF: 42652.1/48

All: 0.130+/-0.015 χ^2/NDF: 98961.6/101

- sign 0.213+/-0.021 χ^2/NDF: 56277.7/52

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -4.318+/-0.059 χ^2/NDF: 9414.4/23

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.359+/-0.051 χ^2/NDF: 10491.6/29

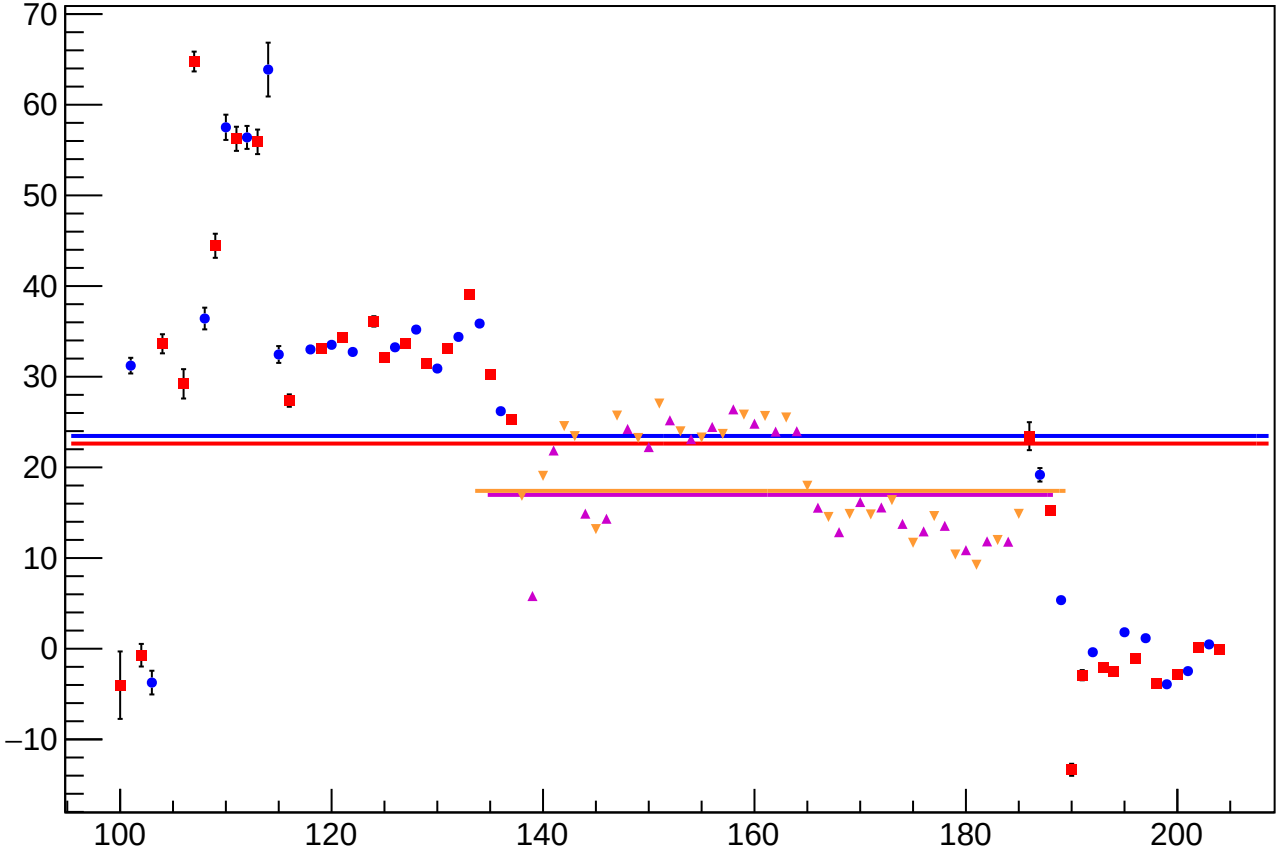
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.990+/-0.025 χ^2/NDF: 24197.6/48

All: -5.106+/-0.018 χ^2/NDF: 48704.8/101

- sign -5.220+/-0.025 χ^2/NDF: 24464.9/52

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 23.466+/-0.069 χ^2/NDF: 44562.6/23

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 22.627+/-0.066 χ^2/NDF: 62921.1/29

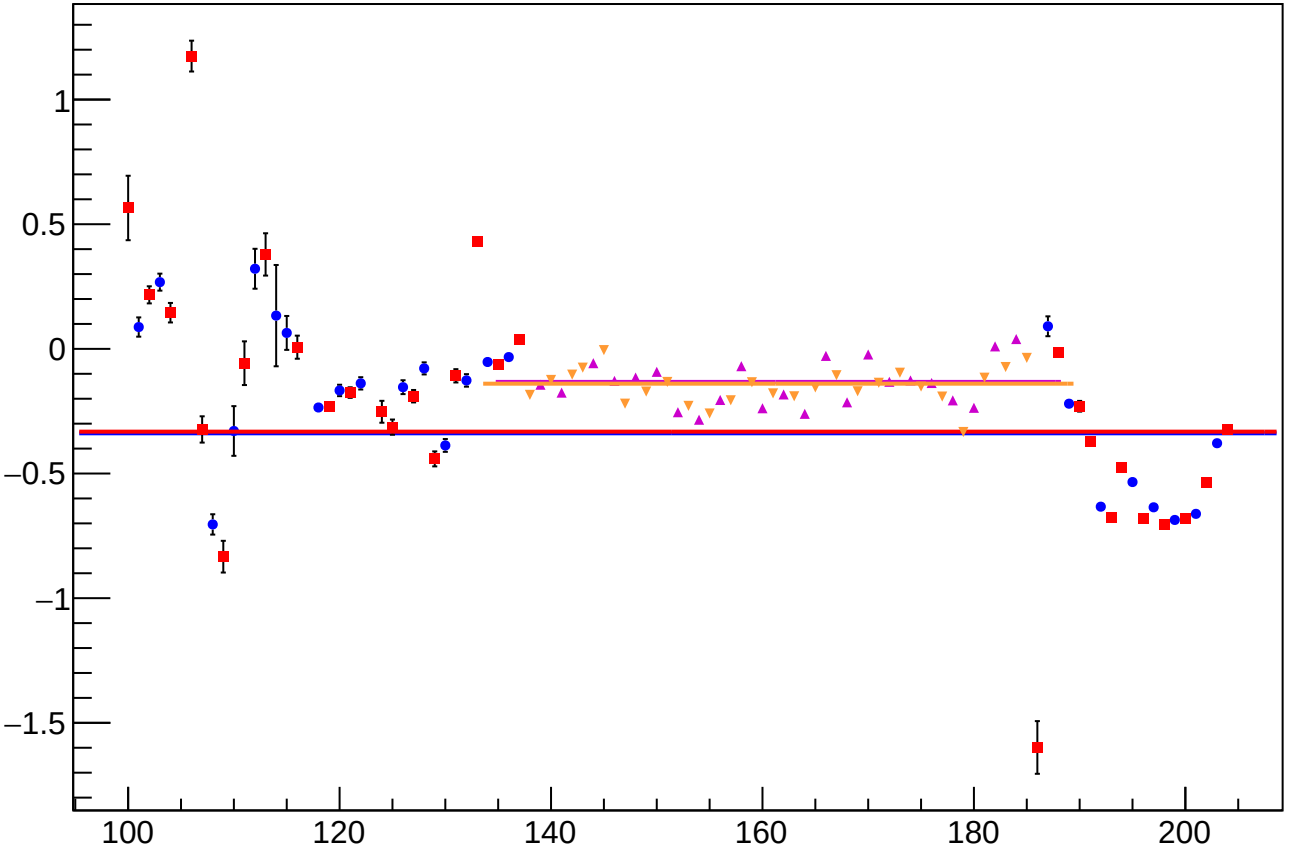
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 18.081+/-0.023 χ^2/NDF: 102008.3/48

All: 17.883+/-0.016 χ^2/NDF: 211456.6/101

- sign 17.679+/-0.023 χ^2/NDF: 109297.9/52

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.339+/-0.003 χ^2/NDF: 7126.0/23

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.332+/-0.003 χ^2/NDF: 11107.9/29

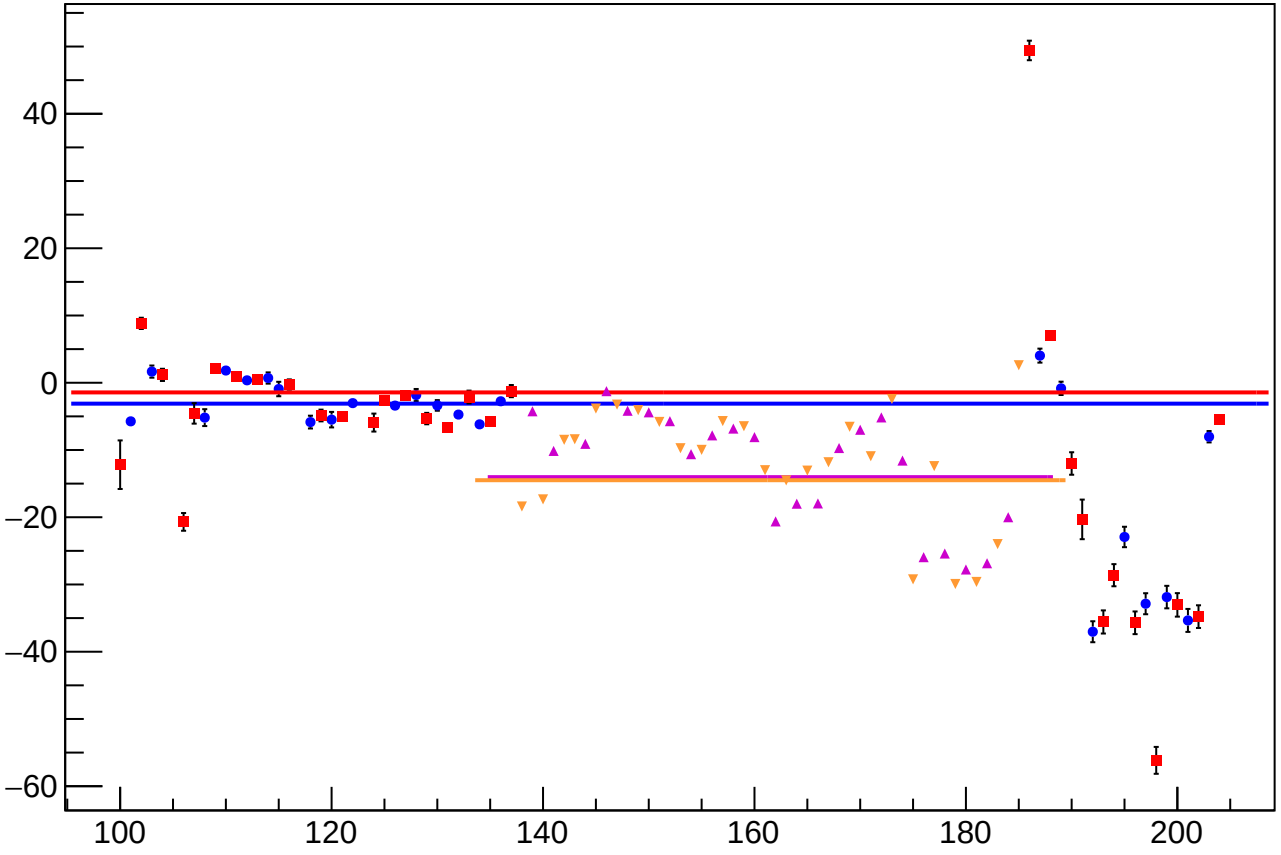
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.160+/-0.001 χ^2/NDF: 14678.2/48

All: -0.158+/-0.001 χ^2/NDF: 35148.2/101

- sign -0.156+/-0.001 χ^2/NDF: 20462.1/52

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -3.108+/-0.148 χ^2/NDF: 2113.4/23

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.437+/-0.136 χ^2/NDF: 4890.7/29

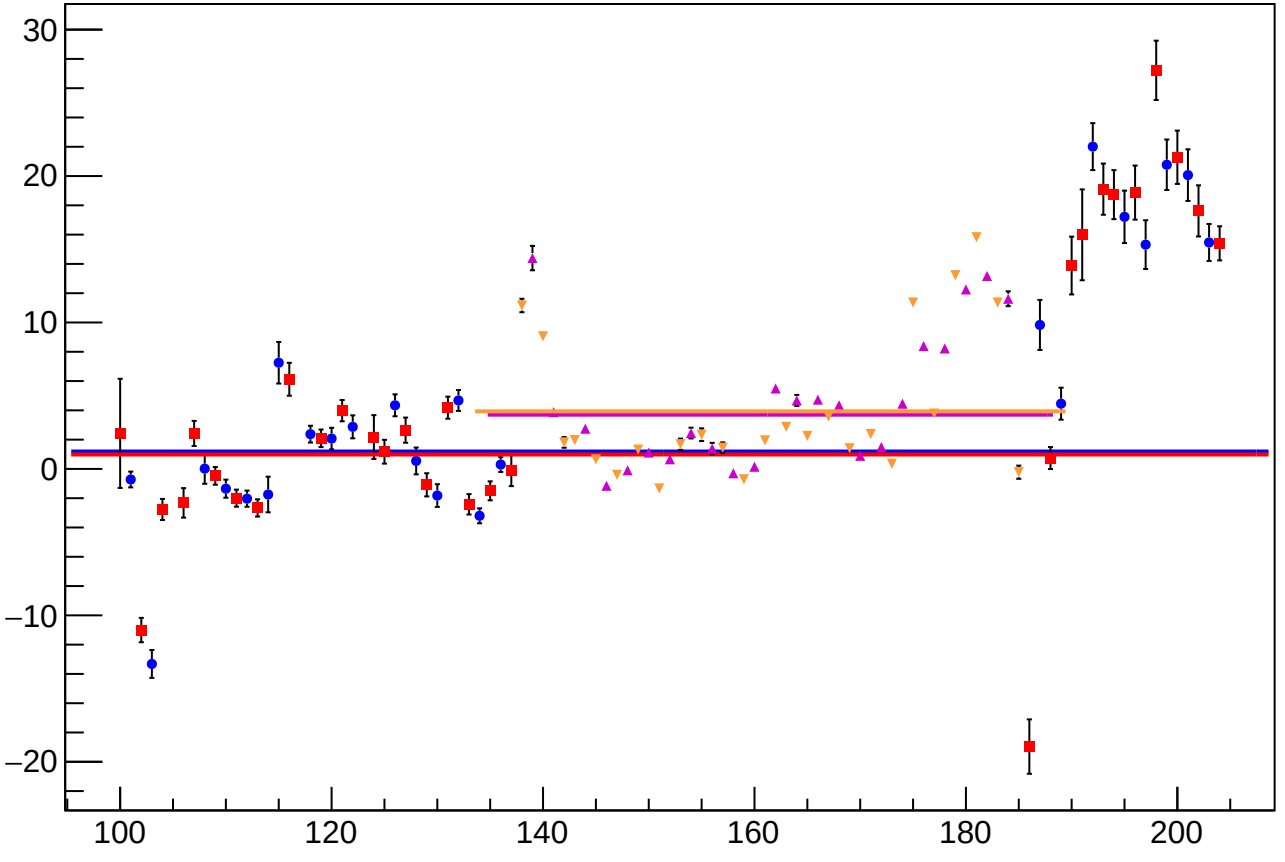
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.173+/-0.067 χ^2/NDF: 24073.1/48

All: -11.589+/-0.047 χ^2/NDF: 49087.7/101

- sign -11.000+/-0.067 χ^2/NDF: 24860.4/52

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 1.188+/-0.165 χ^2/NDF: 1192.0/23

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 0.985+/-0.165 χ^2/NDF: 1460.3/29

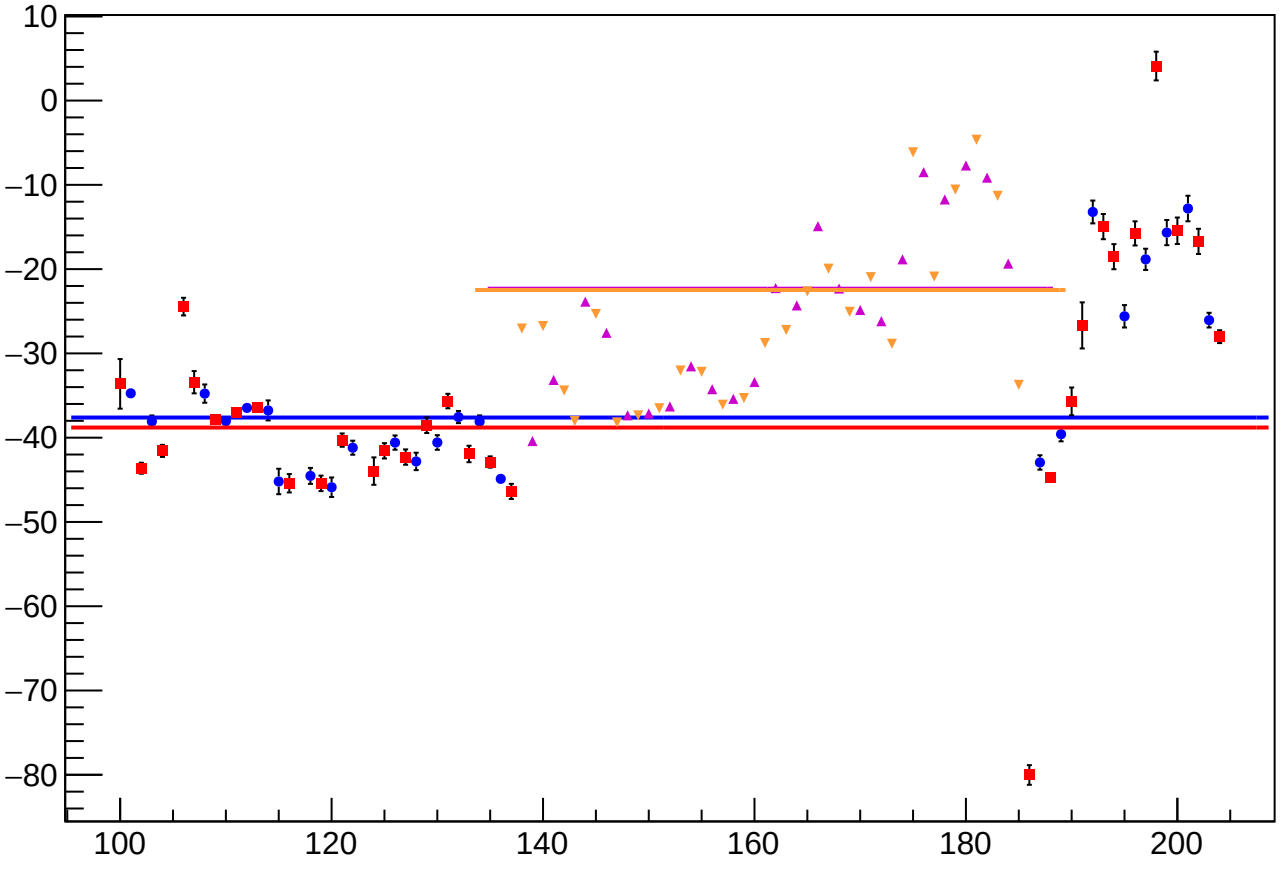
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.629+/-0.055 χ^2/NDF: 8418.6/48

All: 3.513+/-0.039 χ^2/NDF: 14917.8/101

- sign 3.391+/-0.056 χ^2/NDF: 6489.9/52

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -37.611+/-0.163 χ^2/NDF: 1846.7/23

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -38.796+/-0.155 χ^2/NDF: 4010.2/29

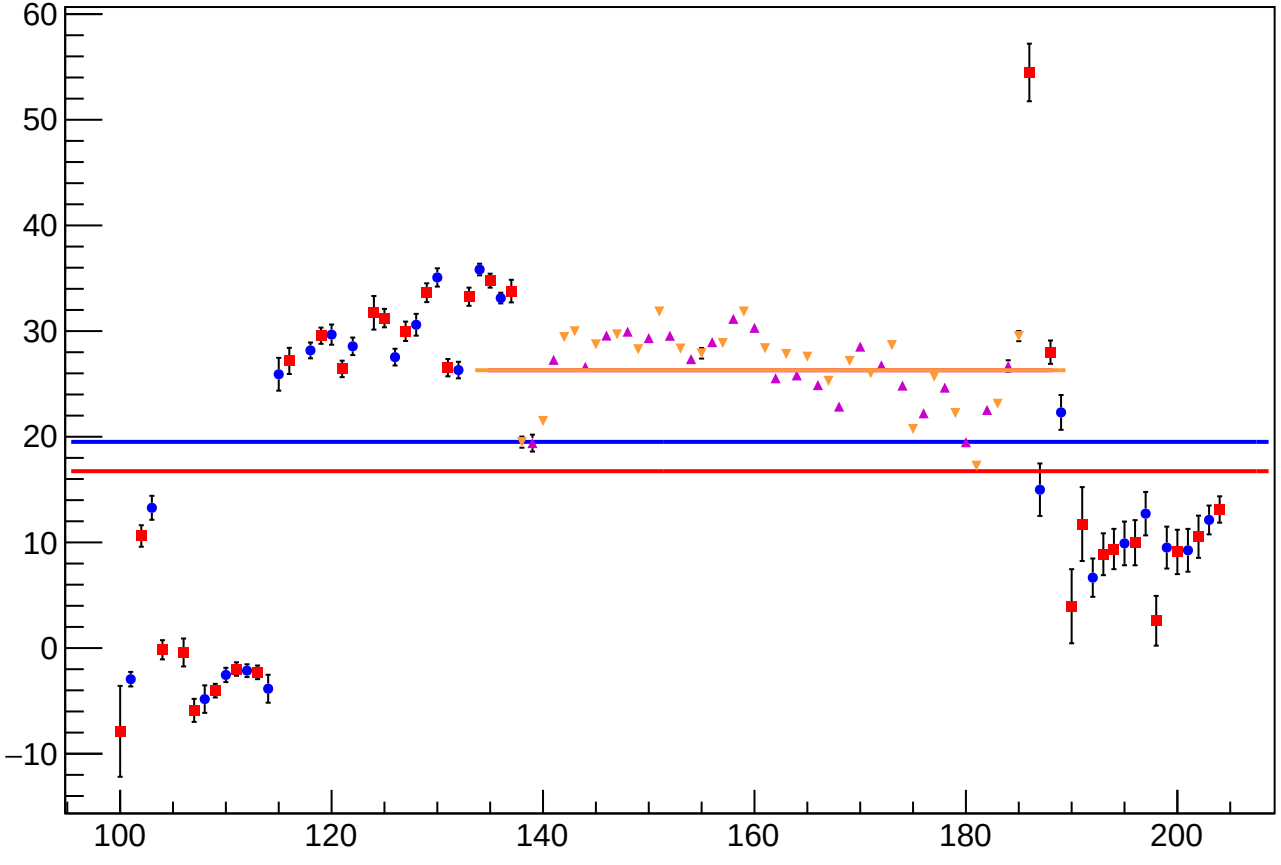
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -25.100+/-0.068 χ^2/NDF: 29358.5/48

All: -25.321+/-0.048 χ^2/NDF: 59585.0/101

- sign -25.547+/-0.069 χ^2/NDF: 30205.1/52

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.516+/-0.187 χ^2/NDF: 6864.1/23

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.741+/-0.188 χ^2/NDF: 7157.8/29

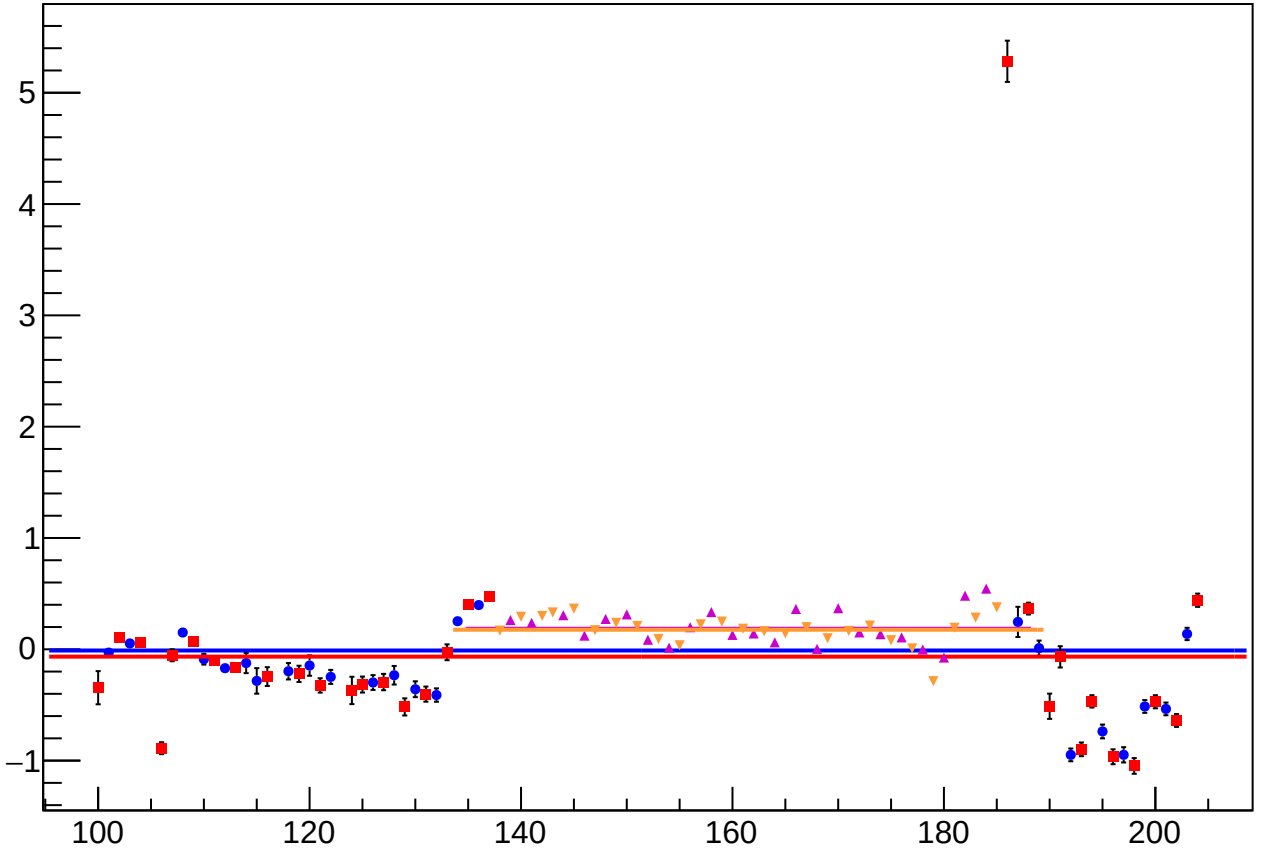
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.561+/-0.061 χ^2/NDF: 11348.9/48

All: 25.398+/-0.044 χ^2/NDF: 22995.6/101

- sign 25.228+/-0.063 χ^2/NDF: 11632.4/52

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.011+/-0.009 χ^2/NDF: 1418.3/23

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

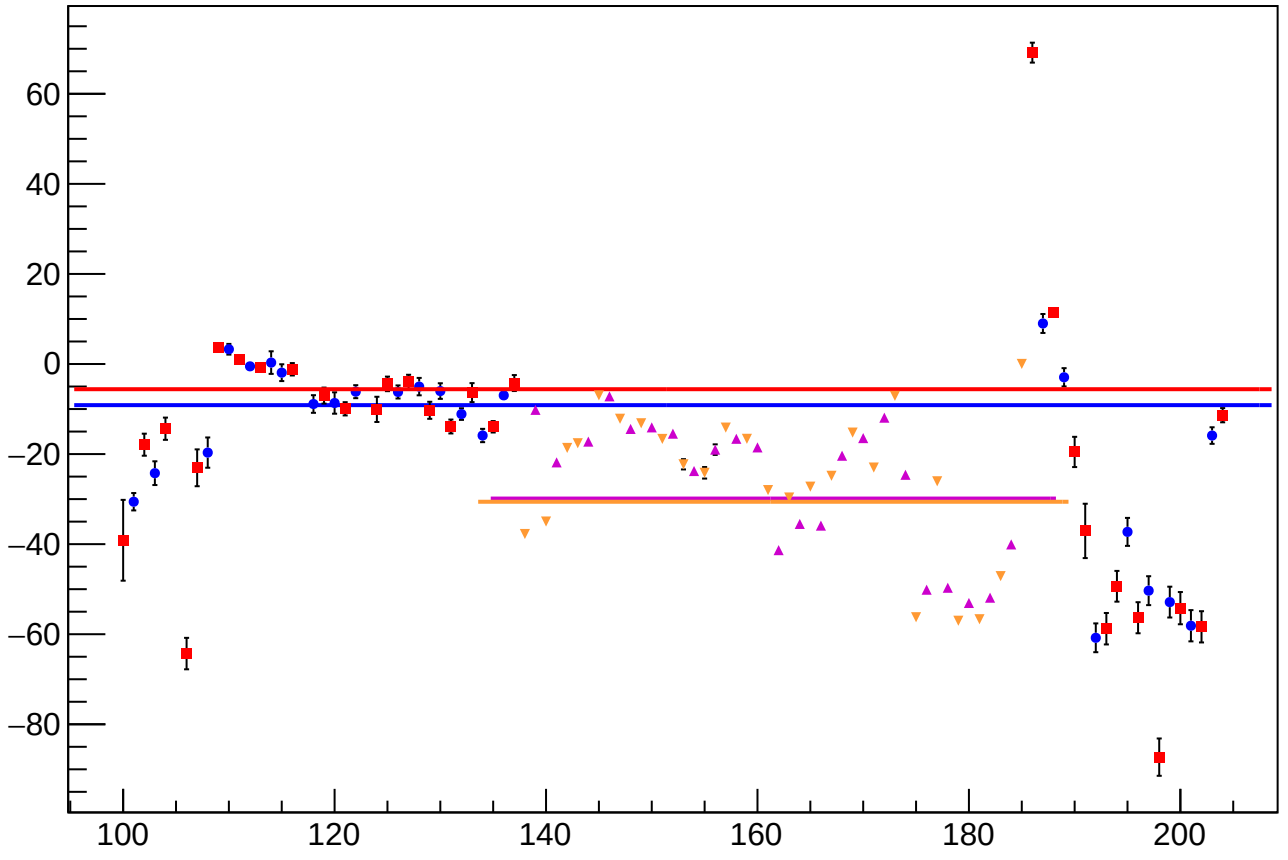
Right Out: -0.066+/-0.010 χ^2/NDF: 2624.7/29

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.159+/-0.003 χ^2/NDF: 3709.3/48

All: 0.161+/-0.002 χ^2/NDF: 9488.5/101

- sign 0.163+/-0.003 χ^2/NDF: 5778.2/52



Right In: -9.133+/-0.347 χ^2/NDF: 1394.5/23

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.595+/-0.327 χ^2/NDF: 3452.5/29

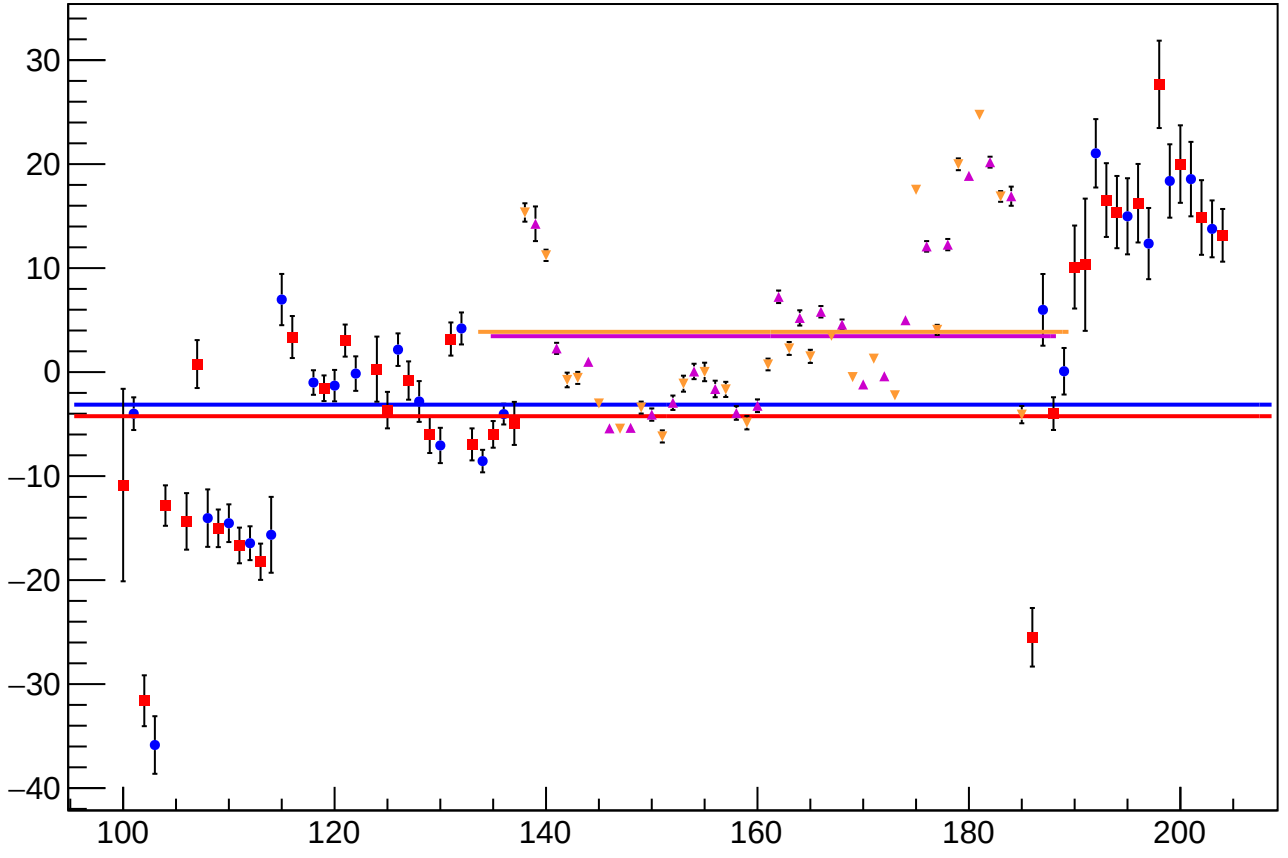
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -27.500+/-0.132 χ^2/NDF: 20719.1/48

All: -26.679+/-0.094 χ^2/NDF: 40878.6/101

- sign -25.834+/-0.133 χ^2/NDF: 20080.4/52

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.130+/-0.372 χ^2/NDF: 584.3/23

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -4.240+/-0.379 χ^2/NDF: 737.0/29

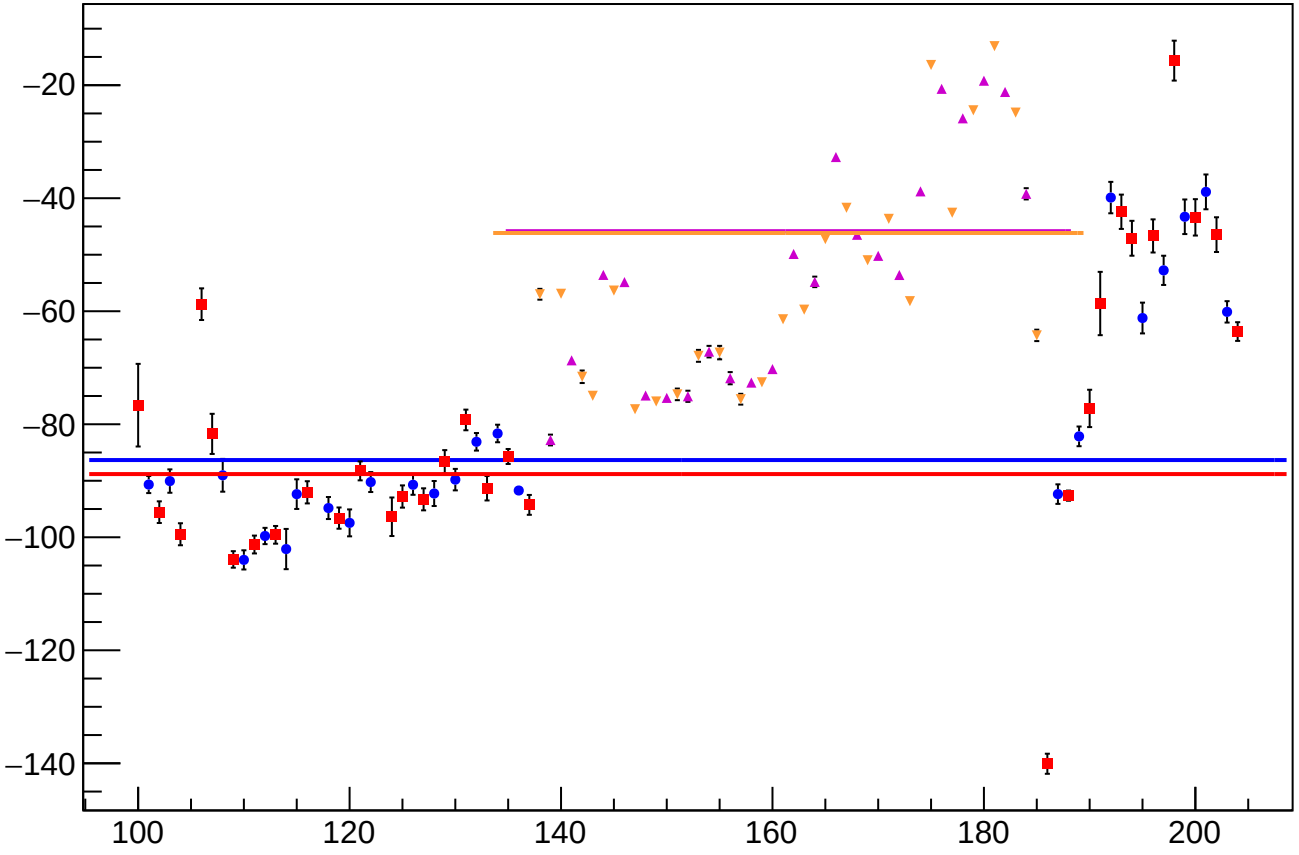
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.299+/-0.107 χ^2/NDF: 7451.7/48

All: 3.063+/-0.076 χ^2/NDF: 13271.1/101

- sign 2.817+/-0.109 χ^2/NDF: 5809.4/52

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -86.336+/-0.375 χ^2/NDF: 1524.8/23

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -88.817+/-0.357 χ^2/NDF: 3024.3/29

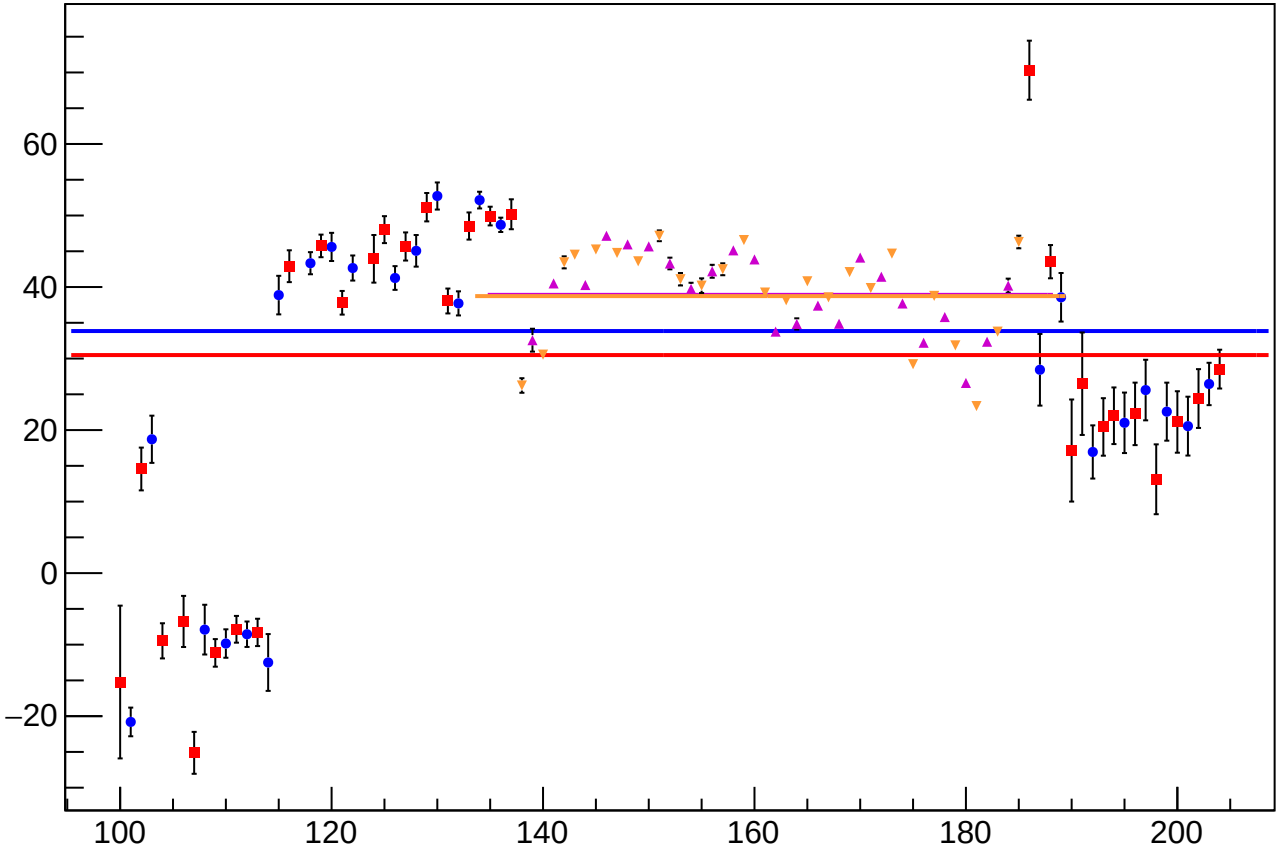
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -51.229+/-0.133 χ^2/NDF: 33038.7/48

All: -51.604+/-0.095 χ^2/NDF: 66415.0/101

- sign -51.989+/-0.135 χ^2/NDF: 33360.3/52

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 33.847+/-0.420 χ^2/NDF: 2874.3/23

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.488+/-0.433 χ^2/NDF: 3074.3/29

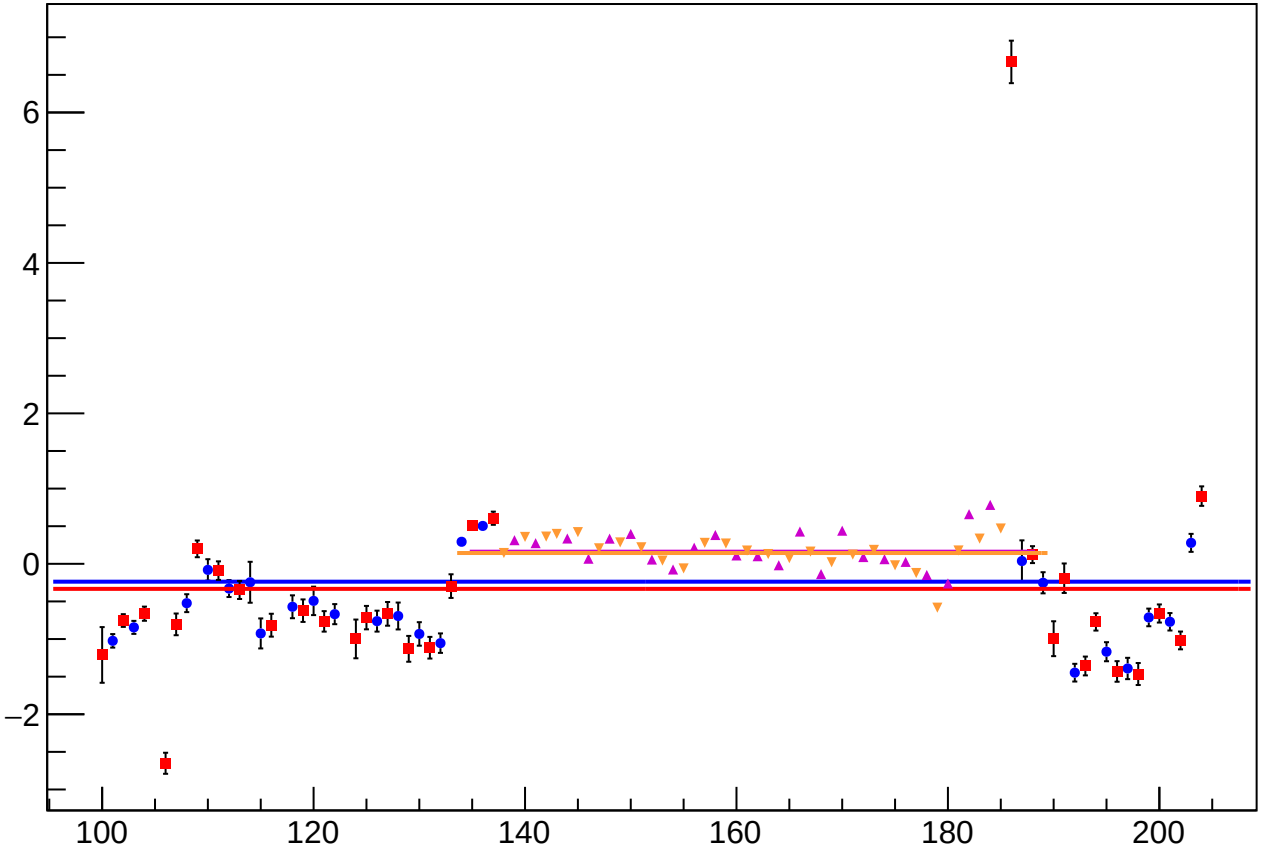
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.336+/-0.119 χ^2/NDF: 5780.2/48

All: 38.286+/-0.085 χ^2/NDF: 11174.3/101

- sign 38.234+/-0.122 χ^2/NDF: 5393.8/52

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.237+/-0.021 χ^2/NDF: 947.2/23

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

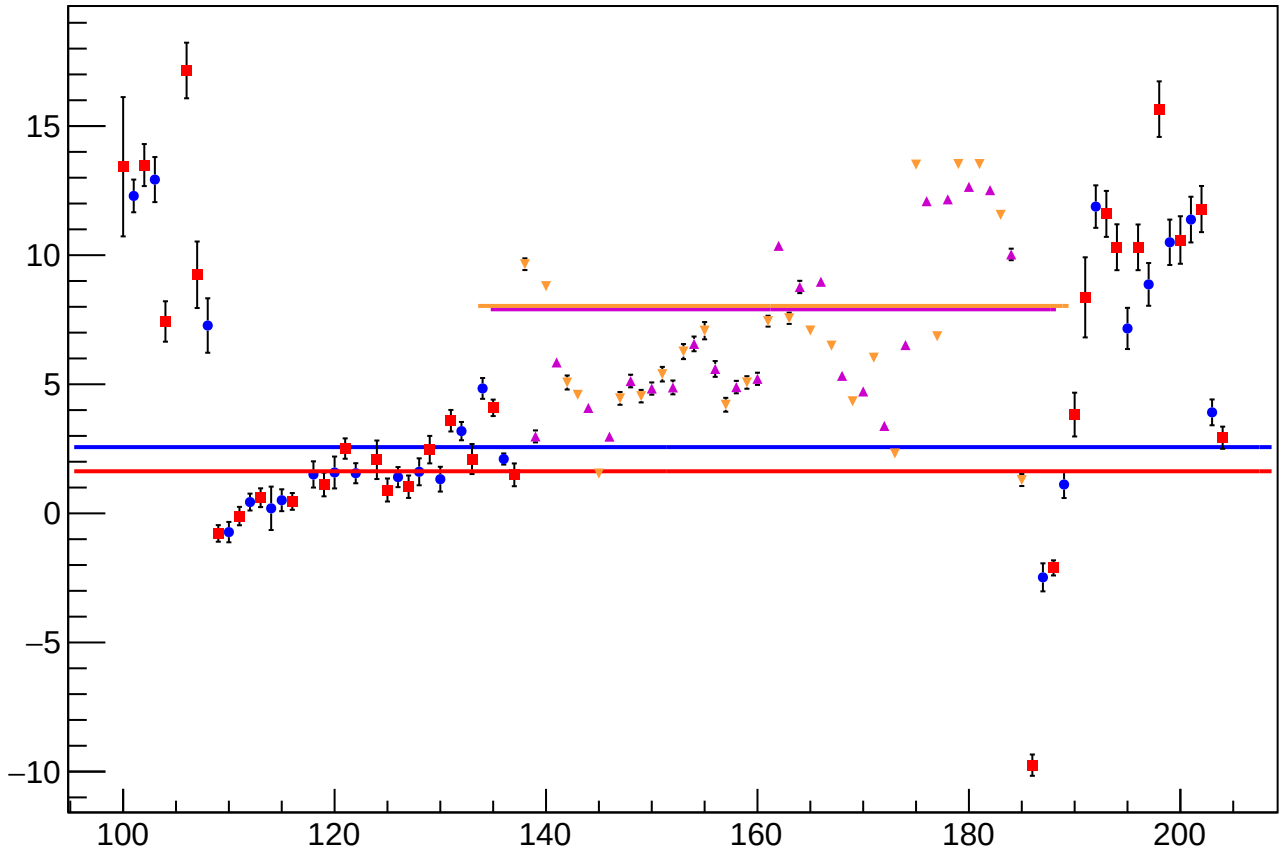
Right Out: -0.333+/-0.022 χ^2/NDF: 1806.1/29

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.119+/-0.005 χ^2/NDF: 2688.9/48

All: 0.125+/-0.004 χ^2/NDF: 6878.8/101

- sign 0.131+/-0.006 χ^2/NDF: 4187.6/52



Right In: 2.566+/-0.096 χ^2/NDF: 1113.6/23

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.631+/-0.091 χ^2/NDF: 2394.8/29

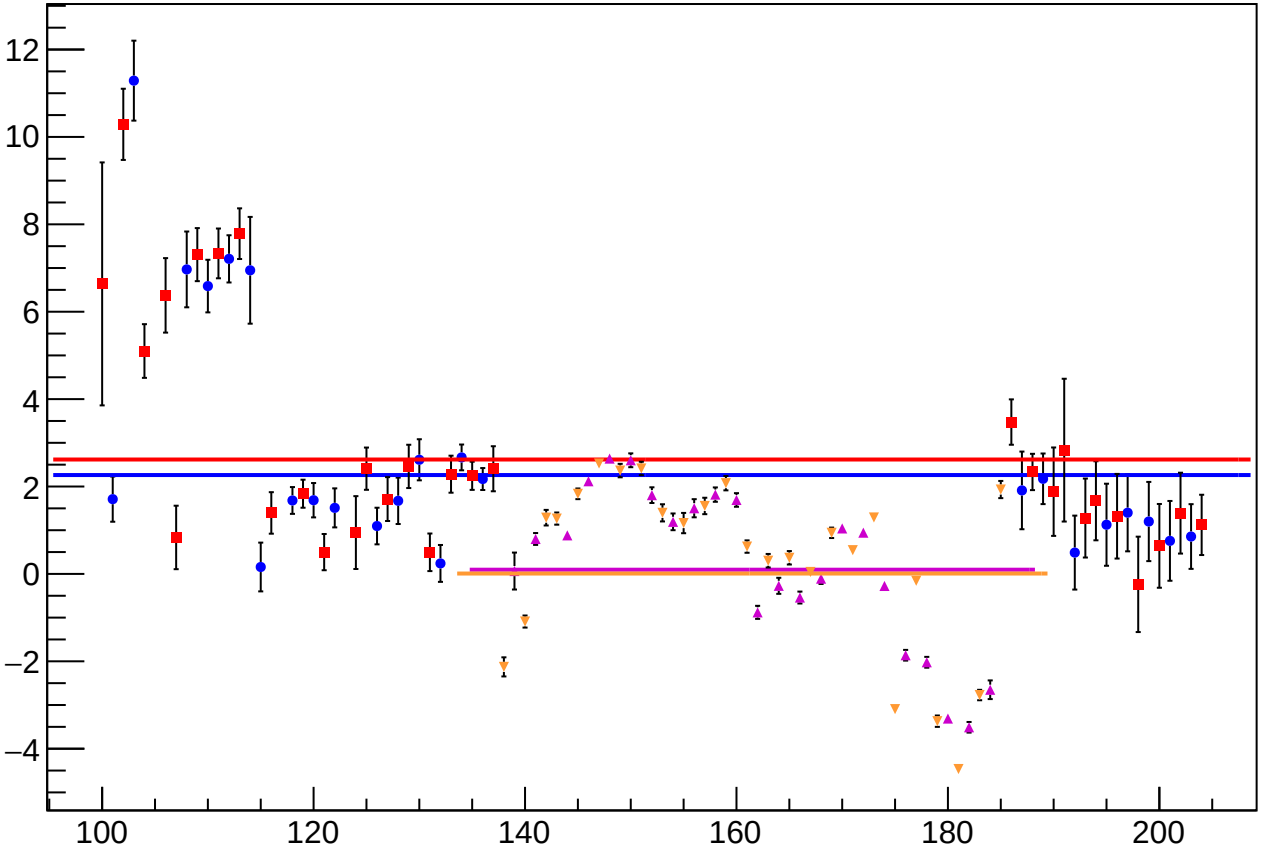
Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.400+/-0.033 χ^2/NDF: 17914.2/48

All: 7.231+/-0.023 χ^2/NDF: 34523.4/101

- sign 7.056+/-0.033 χ^2/NDF: 16555.0/52

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.262+/-0.101 χ^2/NDF: 350.1/23

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.618+/-0.103 χ^2/NDF: 439.4/29

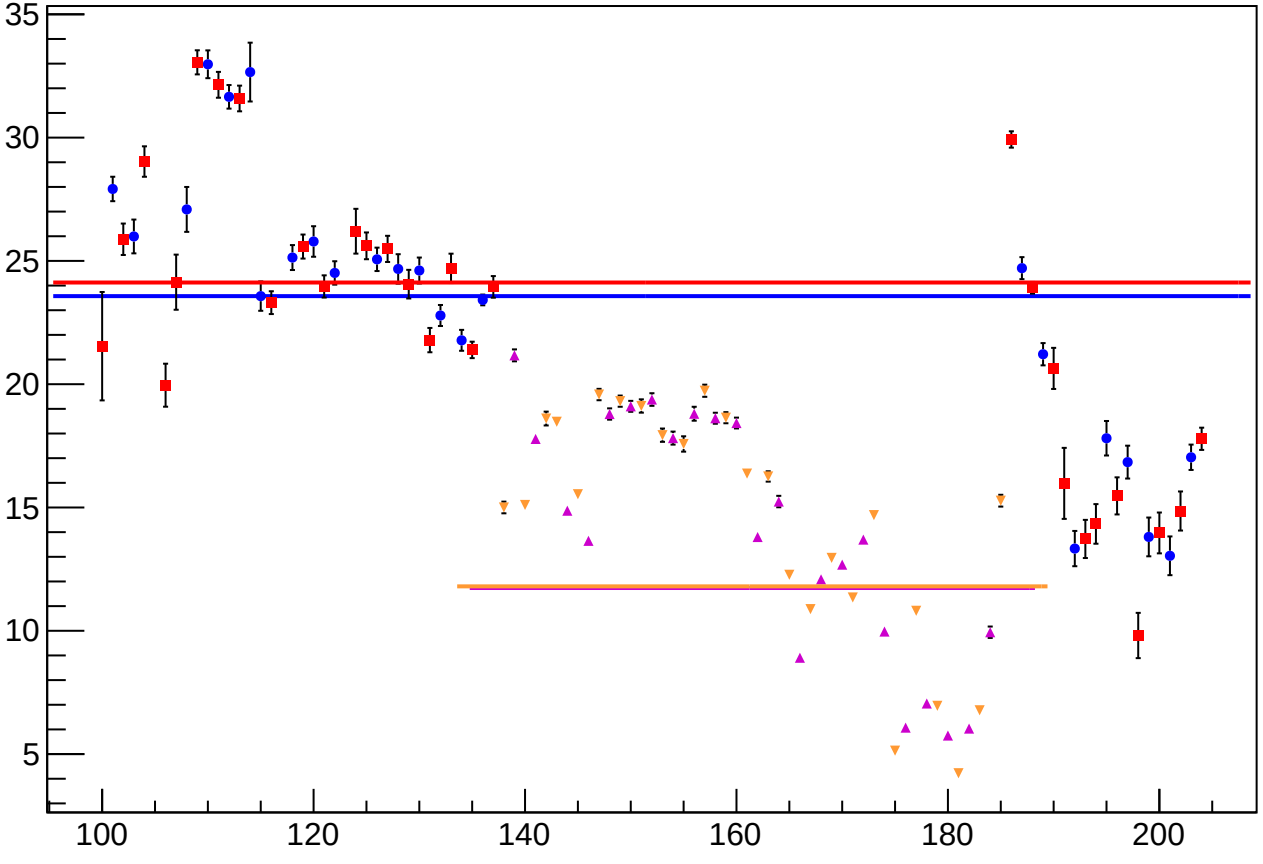
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.163+/-0.027 χ^2/NDF: 6572.6/48

All: 0.216+/-0.019 χ^2/NDF: 12009.9/101

- sign 0.271+/-0.027 χ^2/NDF: 5429.3/52

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 23.572+/-0.102 χ^2/NDF: 1695.2/23

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 24.124+/-0.096 χ^2/NDF: 2536.6/29

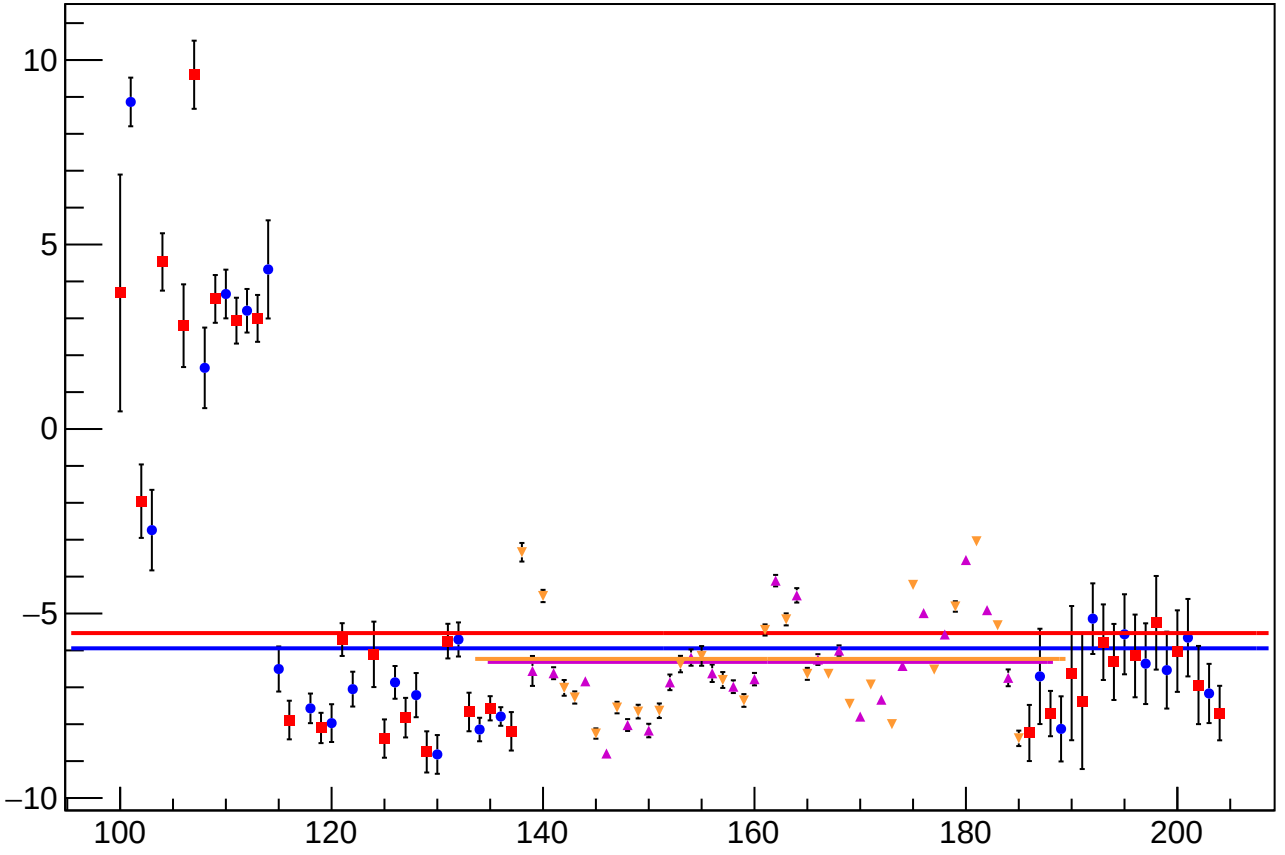
Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.026+/-0.033 χ^2/NDF: 35038.7/48

All: 13.132+/-0.024 χ^2/NDF: 70163.1/101

- sign 13.243+/-0.034 χ^2/NDF: 35103.1/52

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.943+/-0.114 χ^2/NDF: 1261.9/23

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.530+/-0.118 χ^2/NDF: 1335.8/29

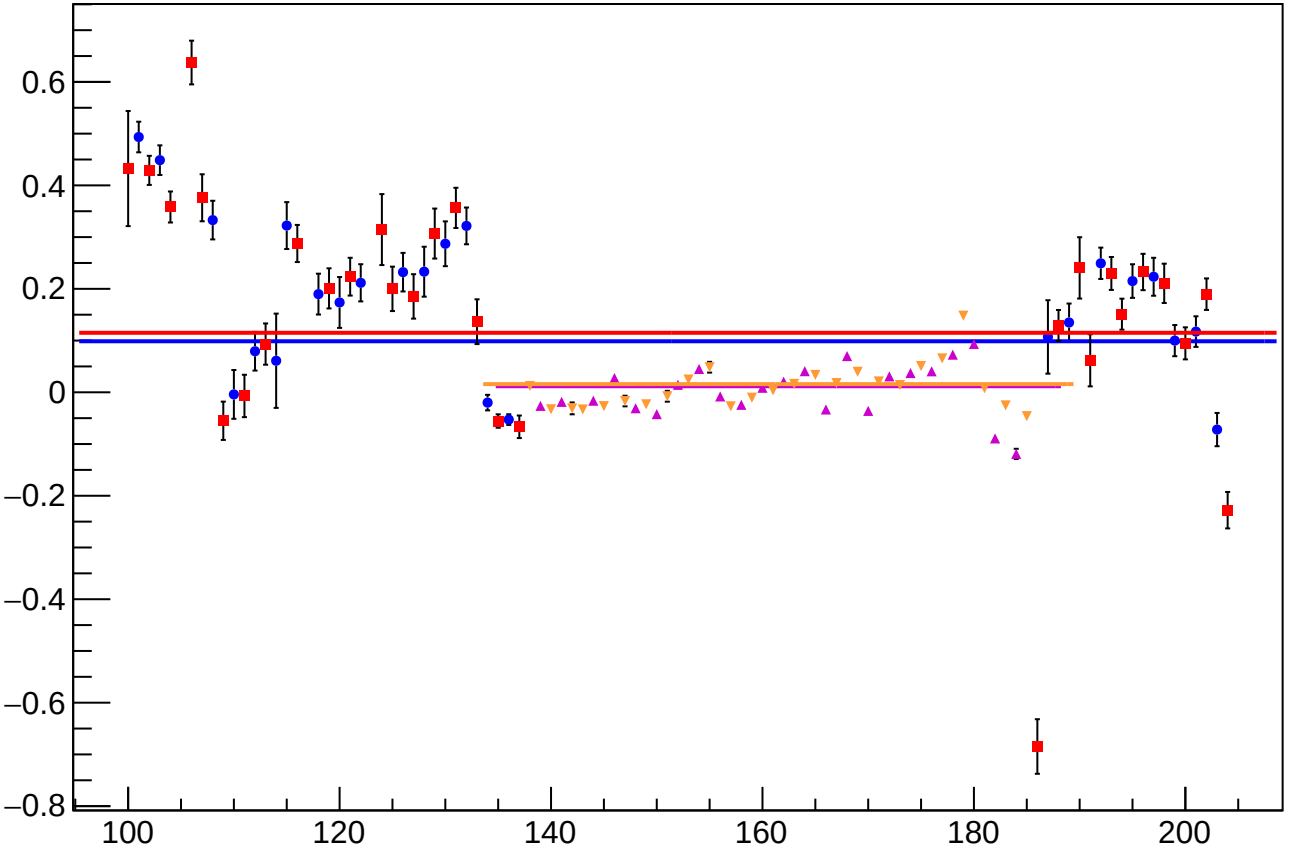
Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.211+/-0.030 χ^2/NDF: 3717.8/48

All: -6.235+/-0.021 χ^2/NDF: 7125.8/101

- sign -6.260+/-0.030 χ^2/NDF: 3406.6/52

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.099+/-0.006 χ^2/NDF: 849.6/23

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

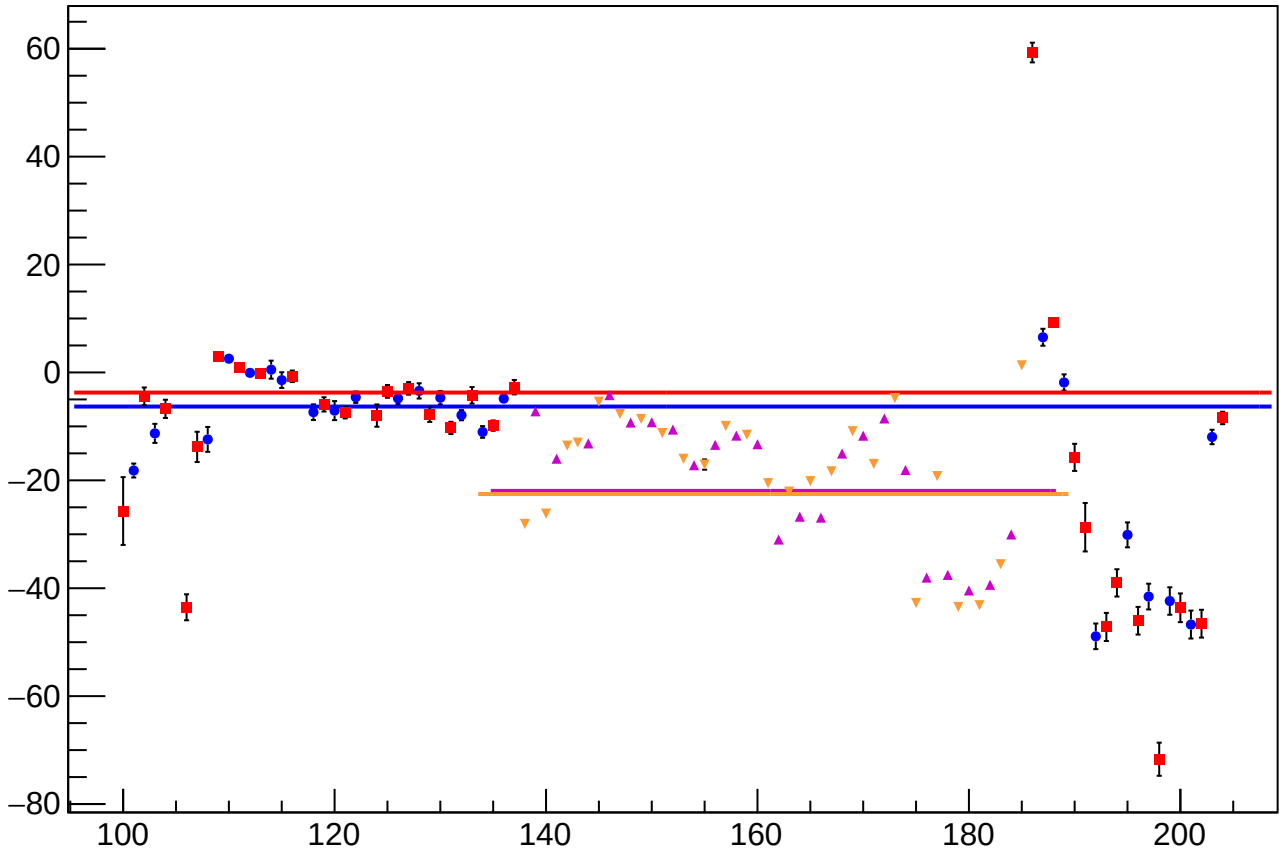
Right Out: 0.115+/-0.006 χ^2/NDF: 1132.3/29

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.020+/-0.001 χ^2/NDF: 1977.5/48

All: 0.019+/-0.001 χ^2/NDF: 4687.0/101

- sign 0.017+/-0.001 χ^2/NDF: 2706.6/52



Right In: -6.324+/-0.249 χ^2/NDF: 1562.2/23

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -3.728+/-0.234 χ^2/NDF: 3832.1/29

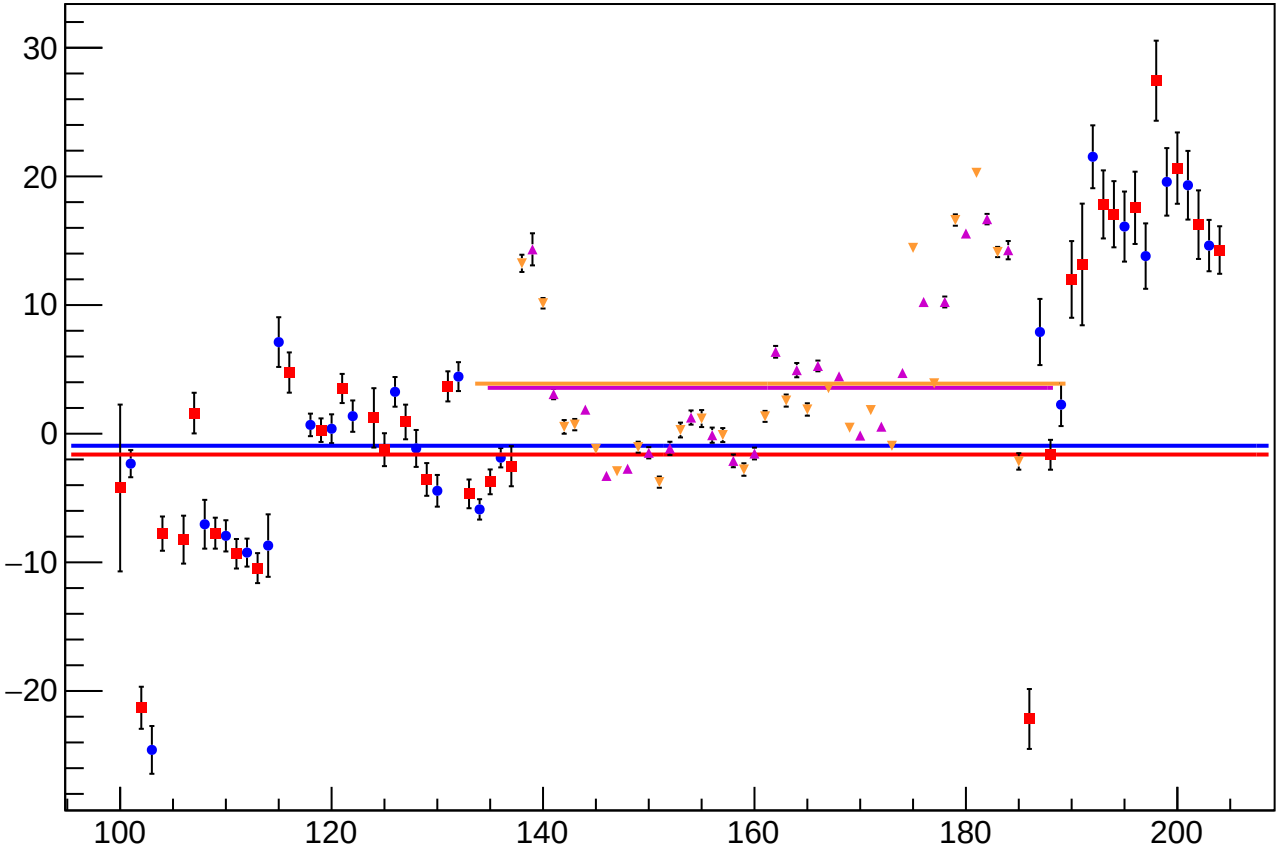
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.967+/-0.099 χ^2/NDF: 21669.9/48

All: -19.289+/-0.071 χ^2/NDF: 43141.0/101

- sign -18.595+/-0.100 χ^2/NDF: 21376.6/52

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -0.937+/-0.270 χ^2/NDF: 738.4/23

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

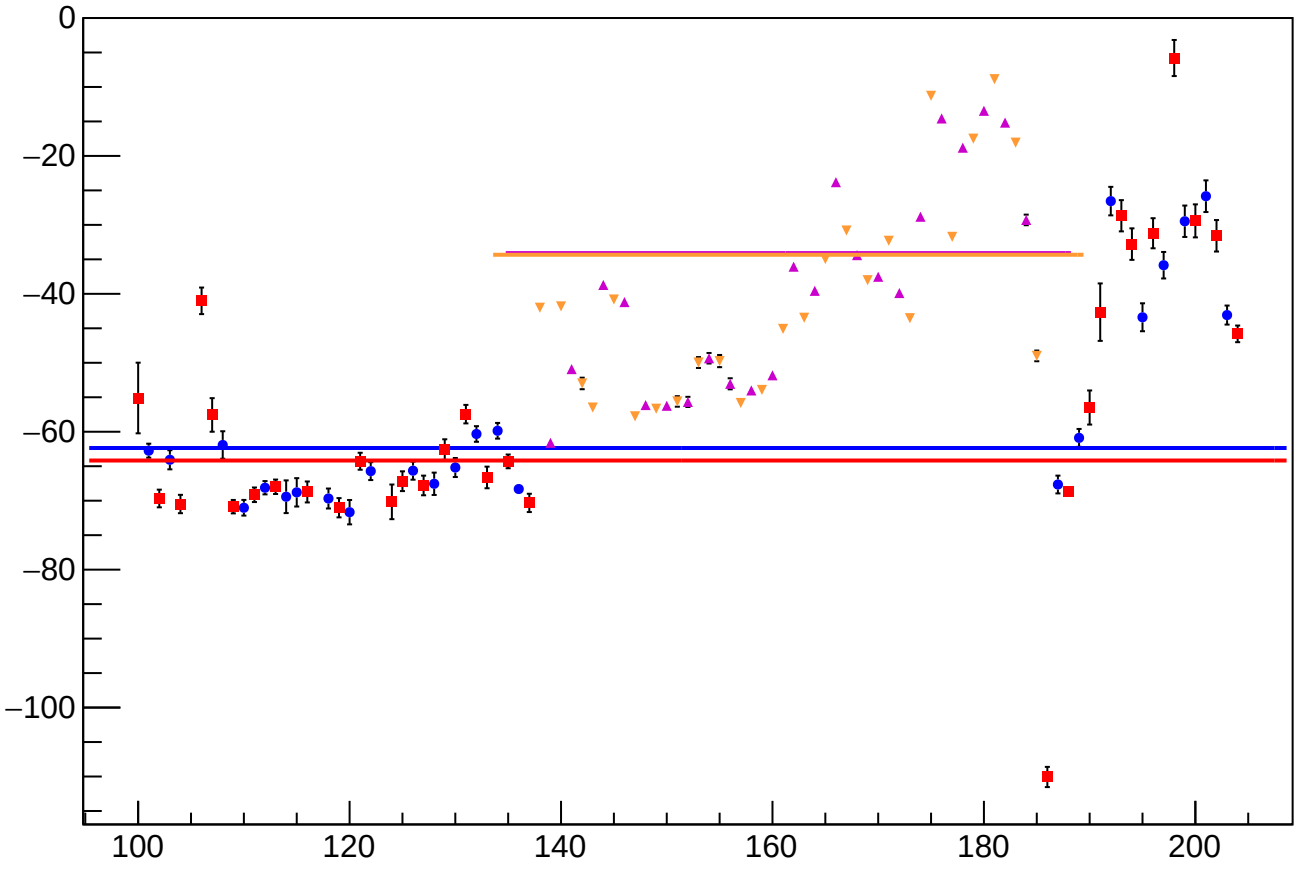
Right Out: -1.620+/-0.273 χ^2/NDF: 926.0/29

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.462+/-0.080 χ^2/NDF: 7754.7/48

All: 3.283+/-0.057 χ^2/NDF: 13757.3/101

- sign 3.097+/-0.082 χ^2/NDF: 5992.6/52



Right In: -62.357+/-0.271 χ^2/NDF: 1538.8/23

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -64.173+/-0.258 χ^2/NDF: 3247.3/29

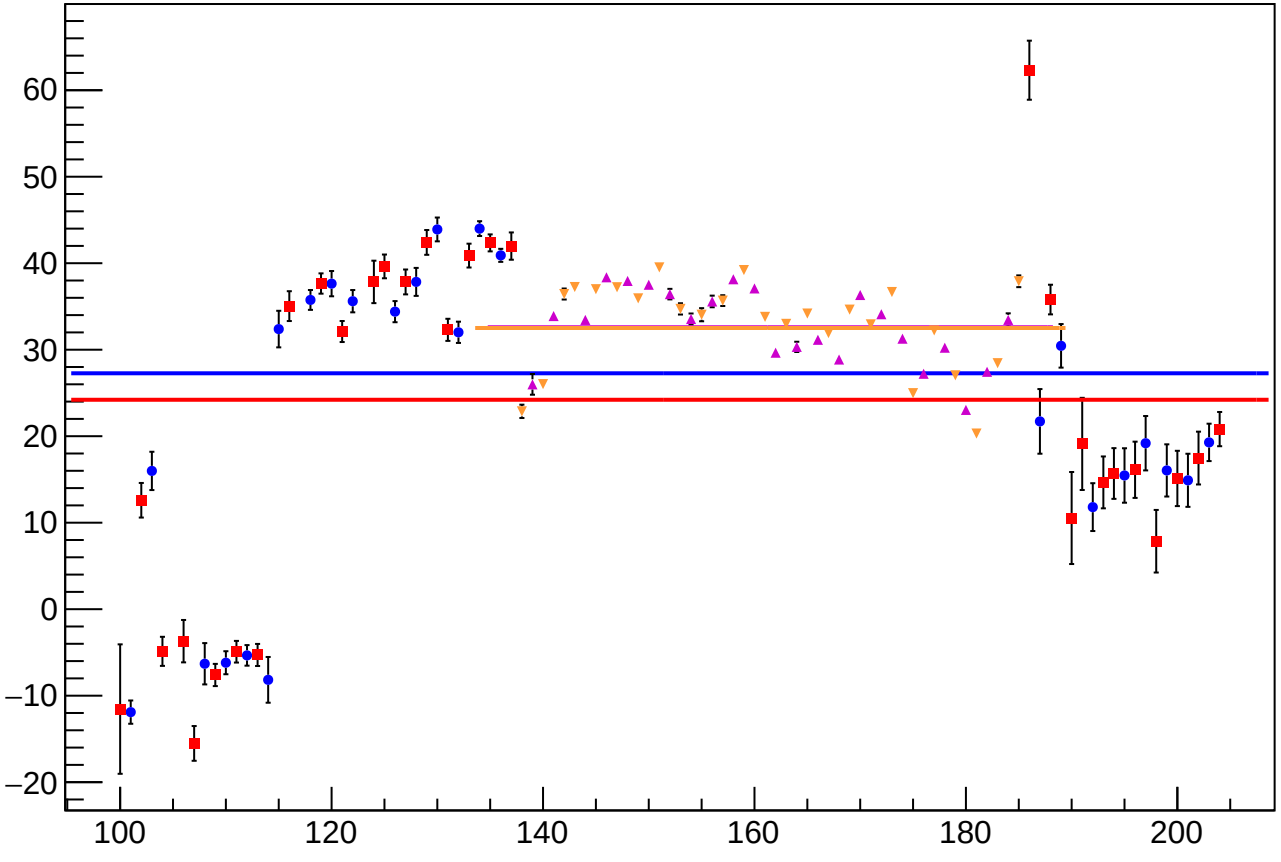
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.200+/-0.101 χ^2/NDF: 31980.8/48

All: -38.486+/-0.072 χ^2/NDF: 64429.0/101

- sign -38.780+/-0.102 χ^2/NDF: 32431.8/52

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 27.274+/-0.305 χ^2/NDF: 3834.1/23

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

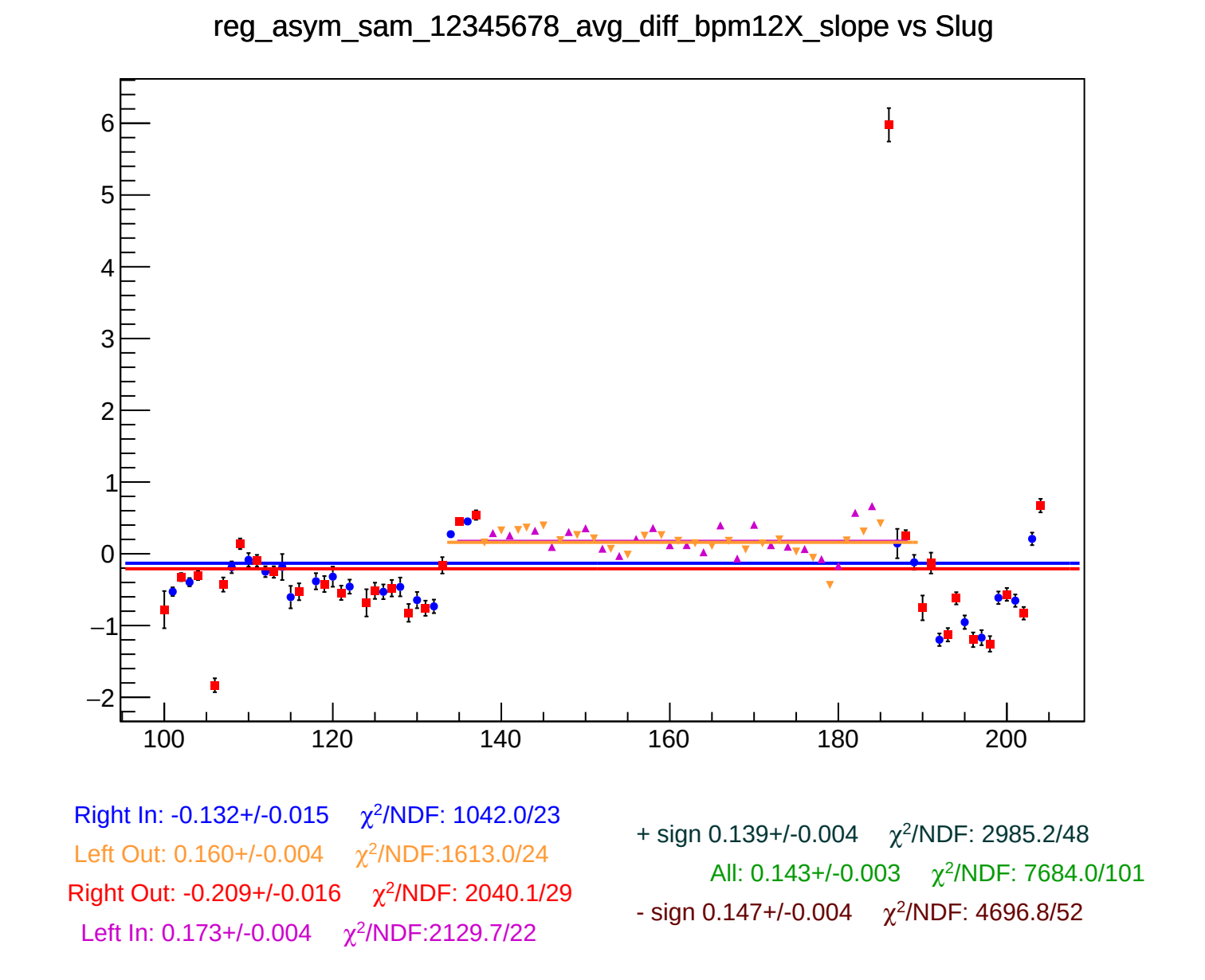
Right Out: 24.212+/-0.313 χ^2/NDF: 4080.5/29

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

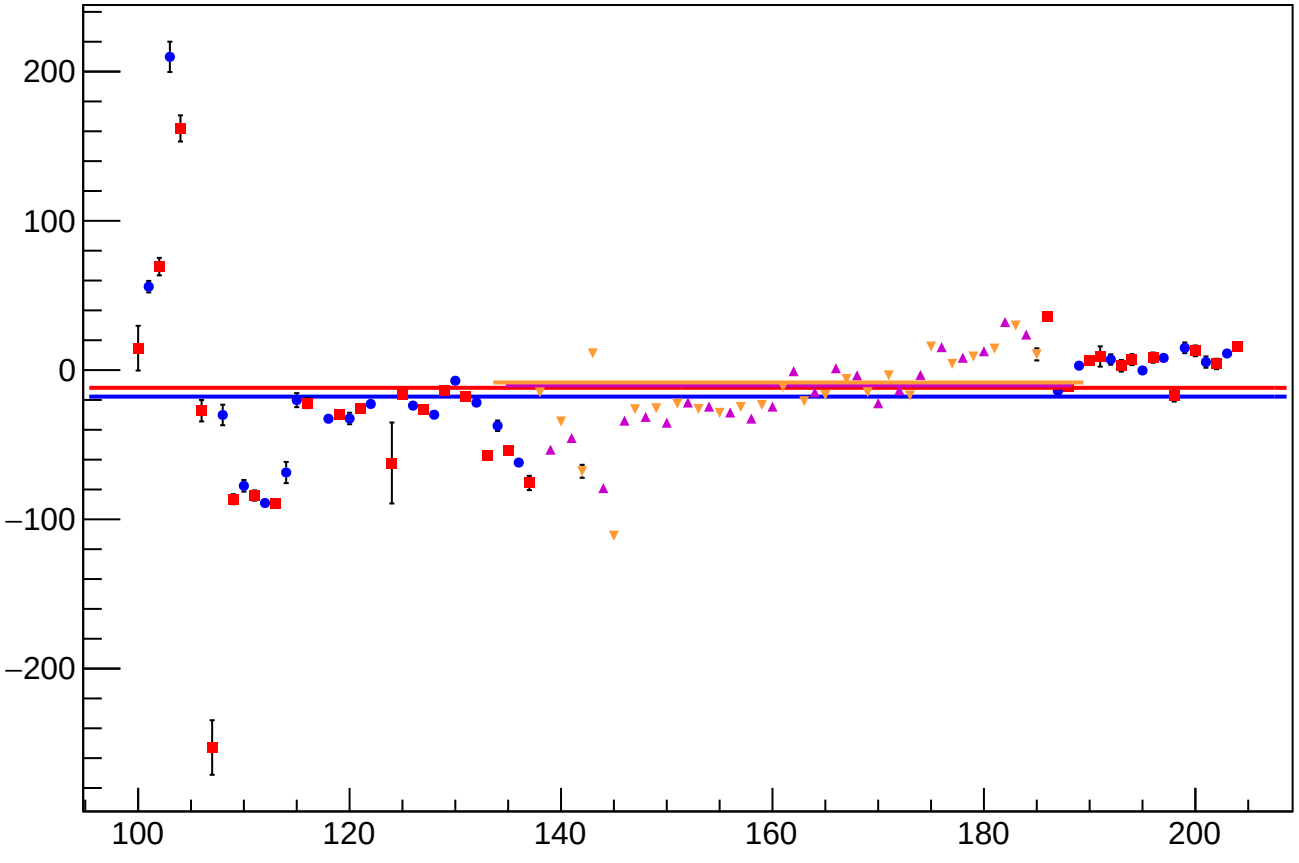
+ sign 32.051+/-0.090 χ^2/NDF: 7041.4/48

All: 31.960+/-0.065 χ^2/NDF: 13793.7/101

- sign 31.865+/-0.092 χ^2/NDF: 6750.3/52


reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.132+/-0.015 χ²/NDF: 1042.0/23
Left Out: 0.160+/-0.004 χ²/NDF:1613.0/24
Right Out: -0.209+/-0.016 χ²/NDF: 2040.1/29
Left In: 0.173+/-0.004 χ²/NDF:2129.7/22
+ sign 0.139+/-0.004 χ²/NDF: 2985.2/48
All: 0.143+/-0.003 χ²/NDF: 7684.0/101
- sign 0.147+/-0.004 χ²/NDF: 4696.8/52

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -17.776+/-0.639 χ^2/NDF: 2652.7/23

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -11.871+/-0.556 χ^2/NDF: 4258.3/29

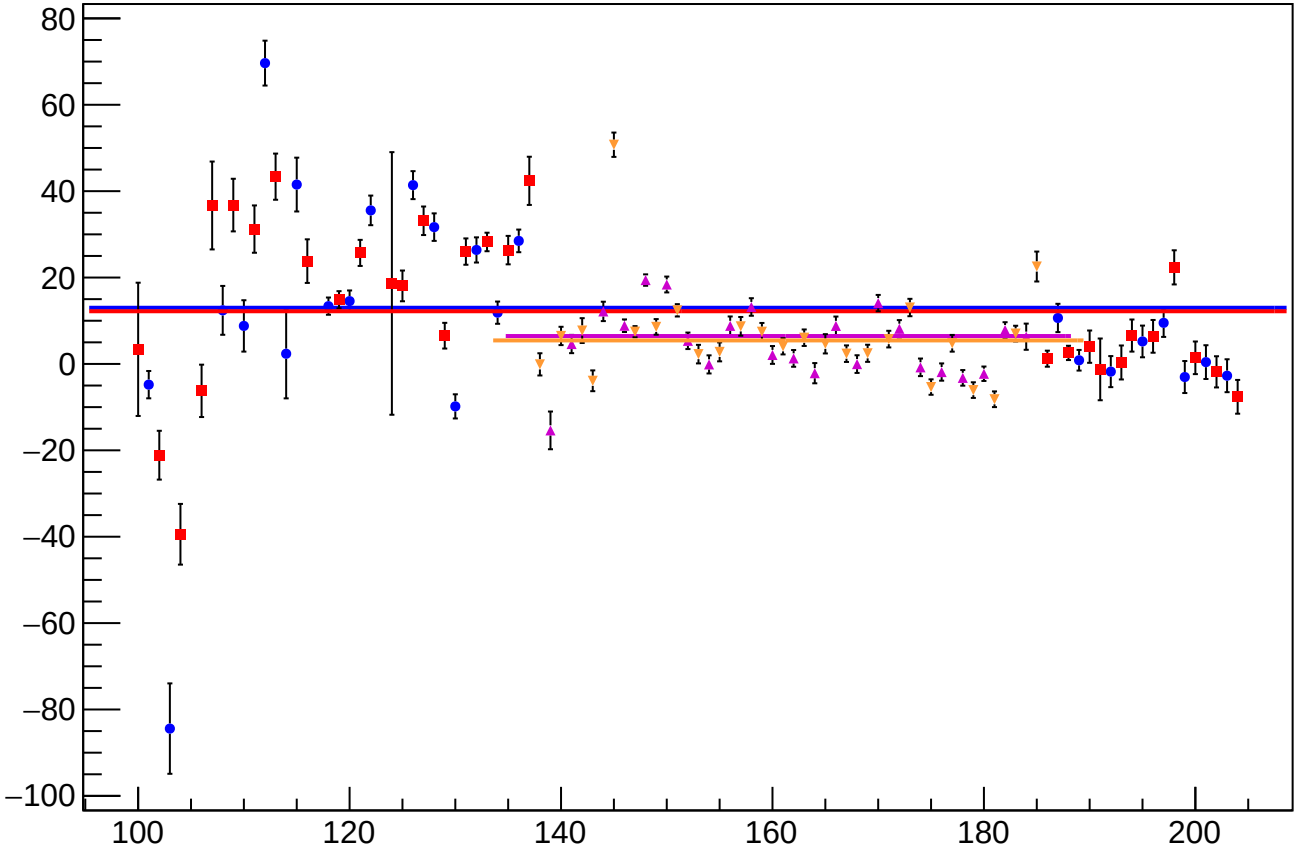
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -12.020+/-0.400 χ^2/NDF: 5346.1/48

All: -11.476+/-0.276 χ^2/NDF: 12131.2/101

- sign -10.980+/-0.382 χ^2/NDF: 6781.6/52

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 13.007+/-0.674 χ^2/NDF: 632.6/23

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 12.197+/-0.626 χ^2/NDF: 511.0/29

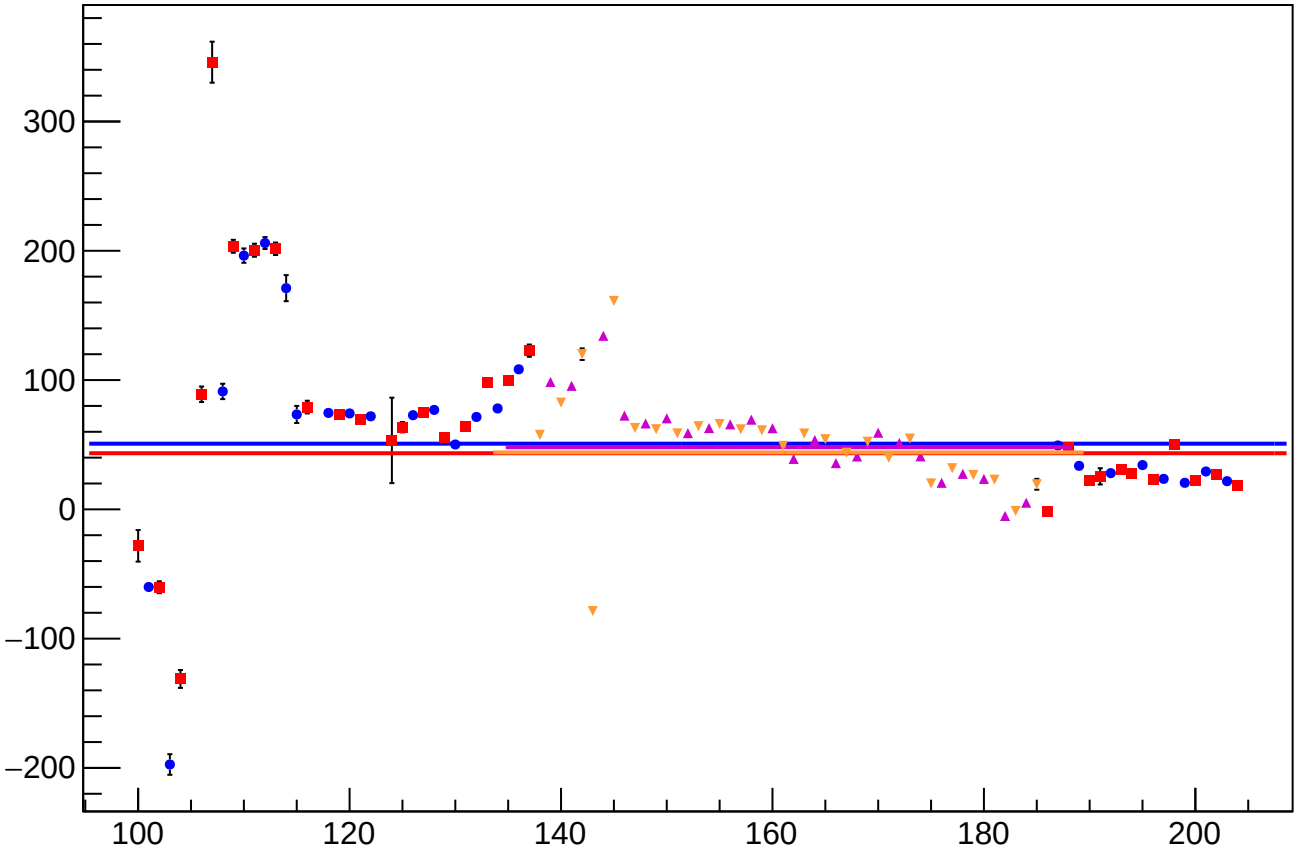
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 7.369+/-0.340 χ^2/NDF: 1220.0/48

All: 7.769+/-0.241 χ^2/NDF: 2128.8/101

- sign 8.173+/-0.342 χ^2/NDF: 906.0/52

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 50.798+/-0.625 χ^2/NDF: 5860.9/23

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 43.406+/-0.521 χ^2/NDF: 7704.7/29

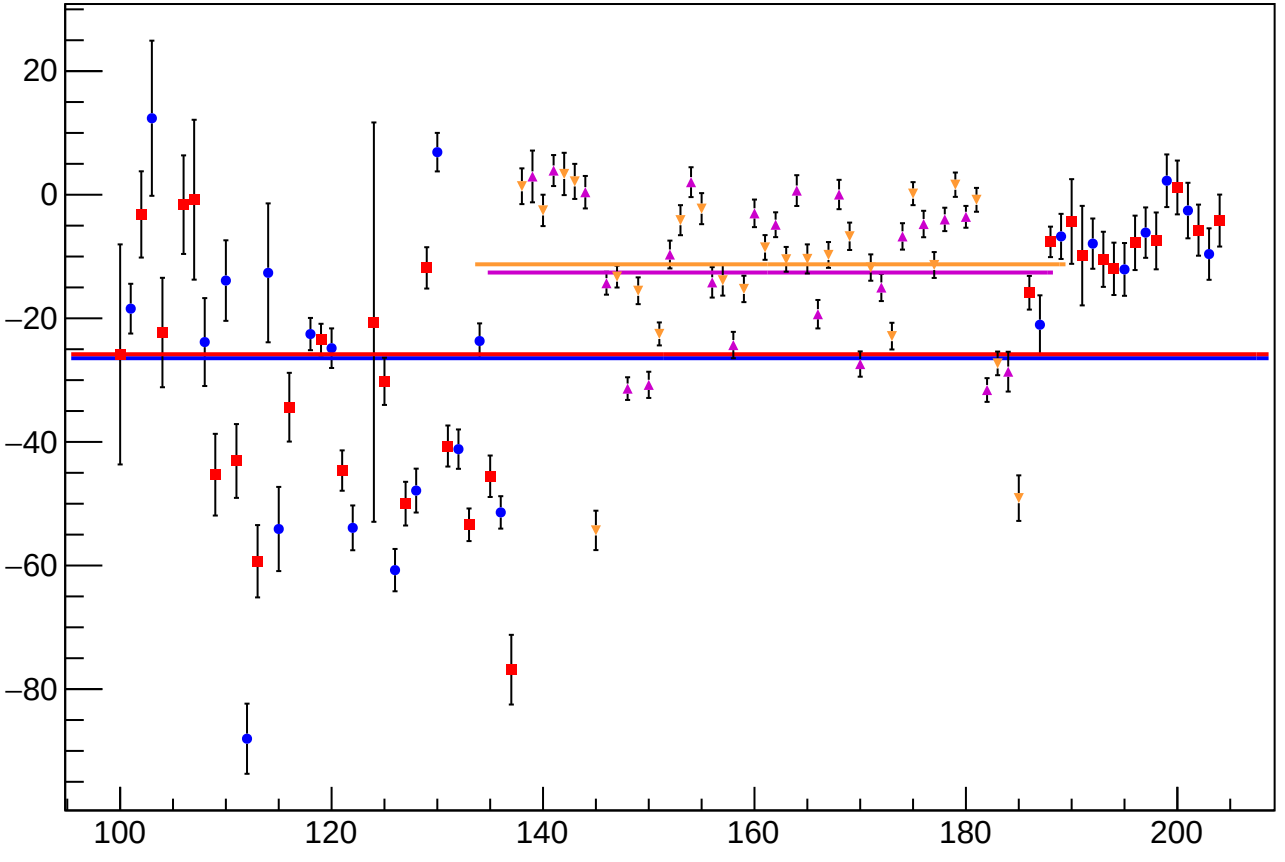
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 46.741+/-0.395 χ^2/NDF: 10494.9/48

All: 46.204+/-0.269 χ^2/NDF: 21619.7/101

- sign 45.738+/-0.368 χ^2/NDF: 11121.4/52

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -26.455+/-0.795 χ^2/NDF: 754.1/23

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -25.812+/-0.762 χ^2/NDF: 646.6/29

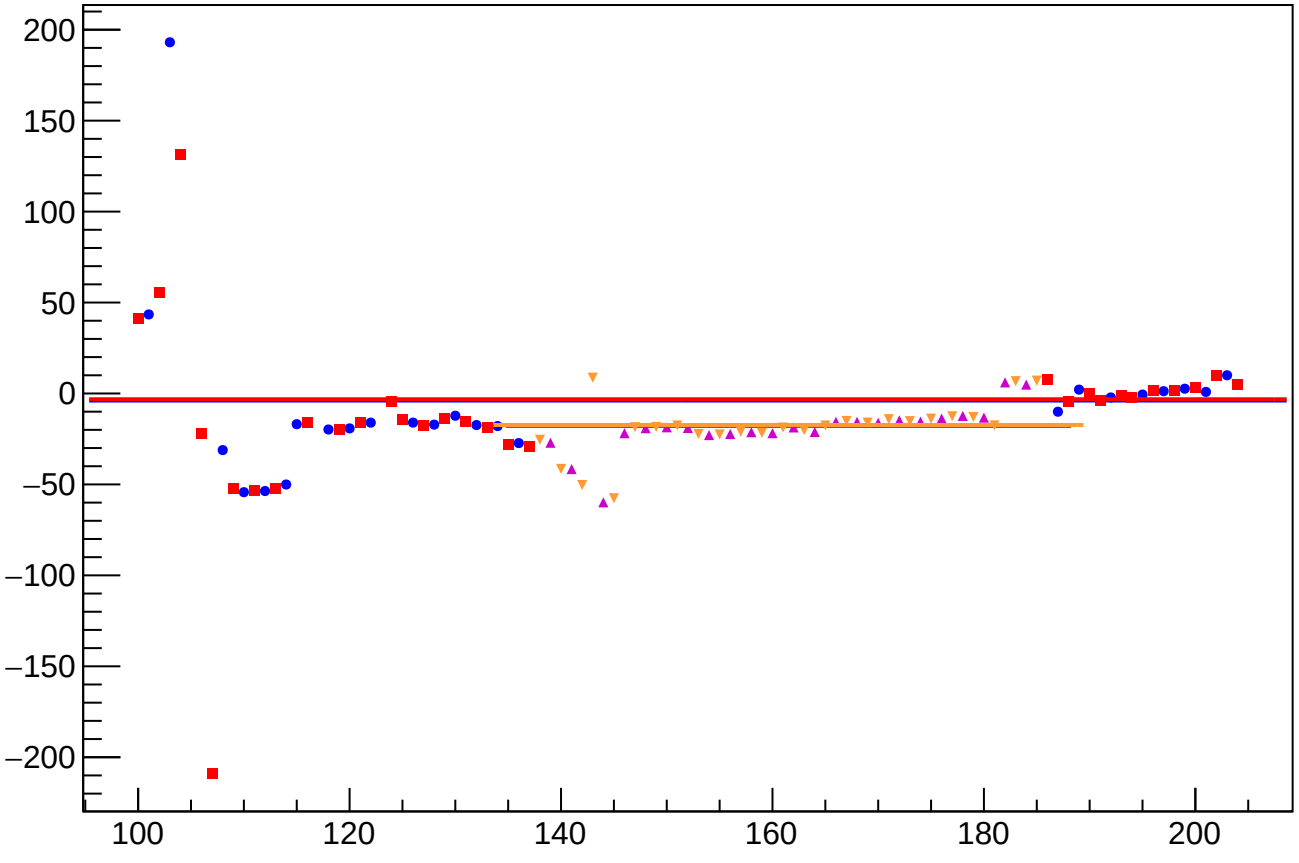
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -14.885+/-0.388 χ^2/NDF: 1675.7/48

All: -15.488+/-0.276 χ^2/NDF: 3219.9/101

- sign -16.106+/-0.393 χ^2/NDF: 1539.3/52

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -3.865+/-0.038 χ^2/NDF: 552156.7/23

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -3.176+/-0.036 χ^2/NDF: 497490.4/29

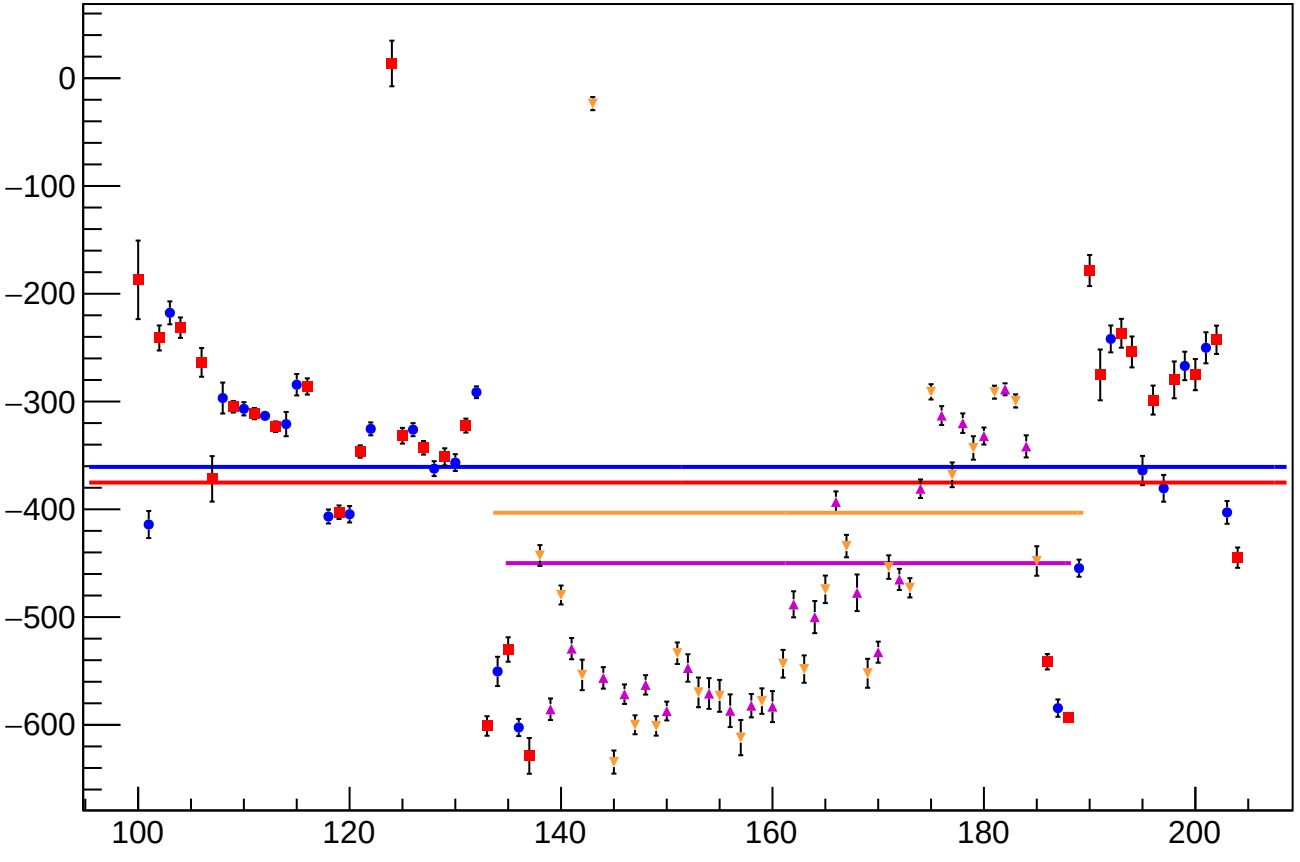
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -14.374+/-0.018 χ^2/NDF: 999793.4/48

All: -14.330+/-0.012 χ^2/NDF: 1890800.6/101

- sign -14.287+/-0.018 χ^2/NDF: 890995.0/52

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -360.655+/-1.645 χ^2/NDF: 3030.8/23

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -375.187+/-1.500 χ^2/NDF: 6347.5/29

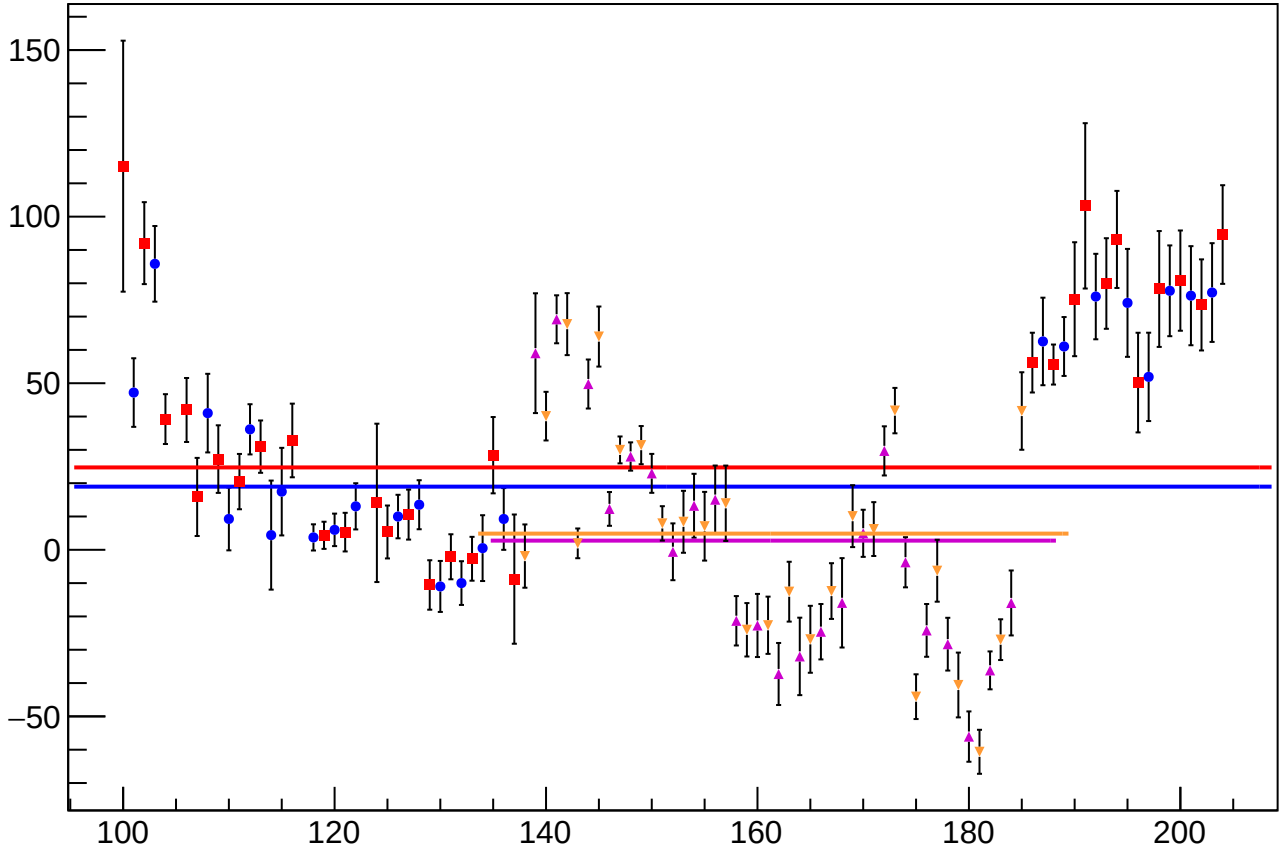
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -378.584+/-1.251 χ^2/NDF: 11062.9/48

All: -390.362+/-0.870 χ^2/NDF: 21669.6/101

- sign -401.361+/-1.209 χ^2/NDF: 10435.5/52

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 18.958+/-1.707 χ^2/NDF: 237.6/23

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 24.727+/-1.648 χ^2/NDF: 306.8/29

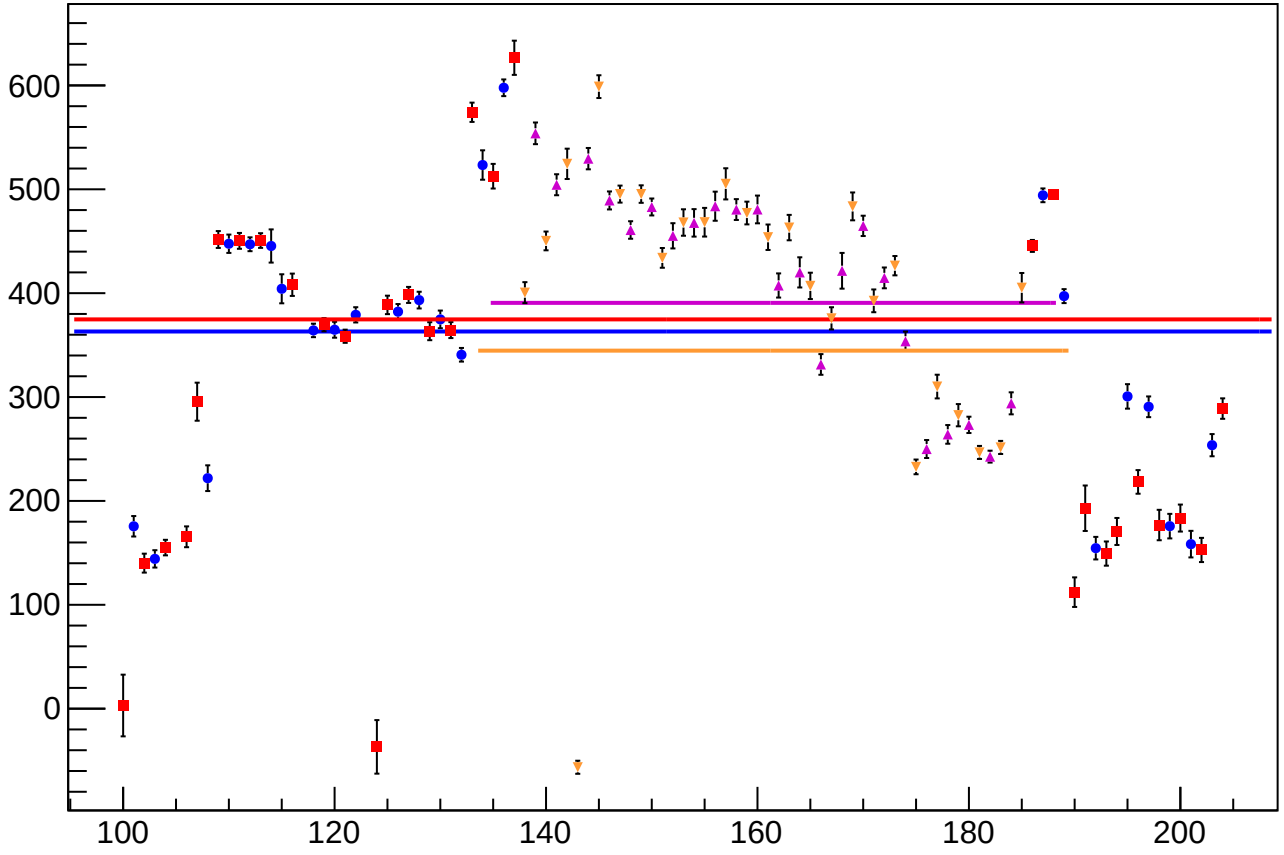
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 10.753+/-1.104 χ^2/NDF: 734.4/48

All: 11.898+/-0.790 χ^2/NDF: 1537.2/101

- sign 13.099+/-1.131 χ^2/NDF: 800.5/52

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 363.112+/-1.771 χ^2/NDF: 3963.2/23

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 374.761+/-1.565 χ^2/NDF: 6980.7/29

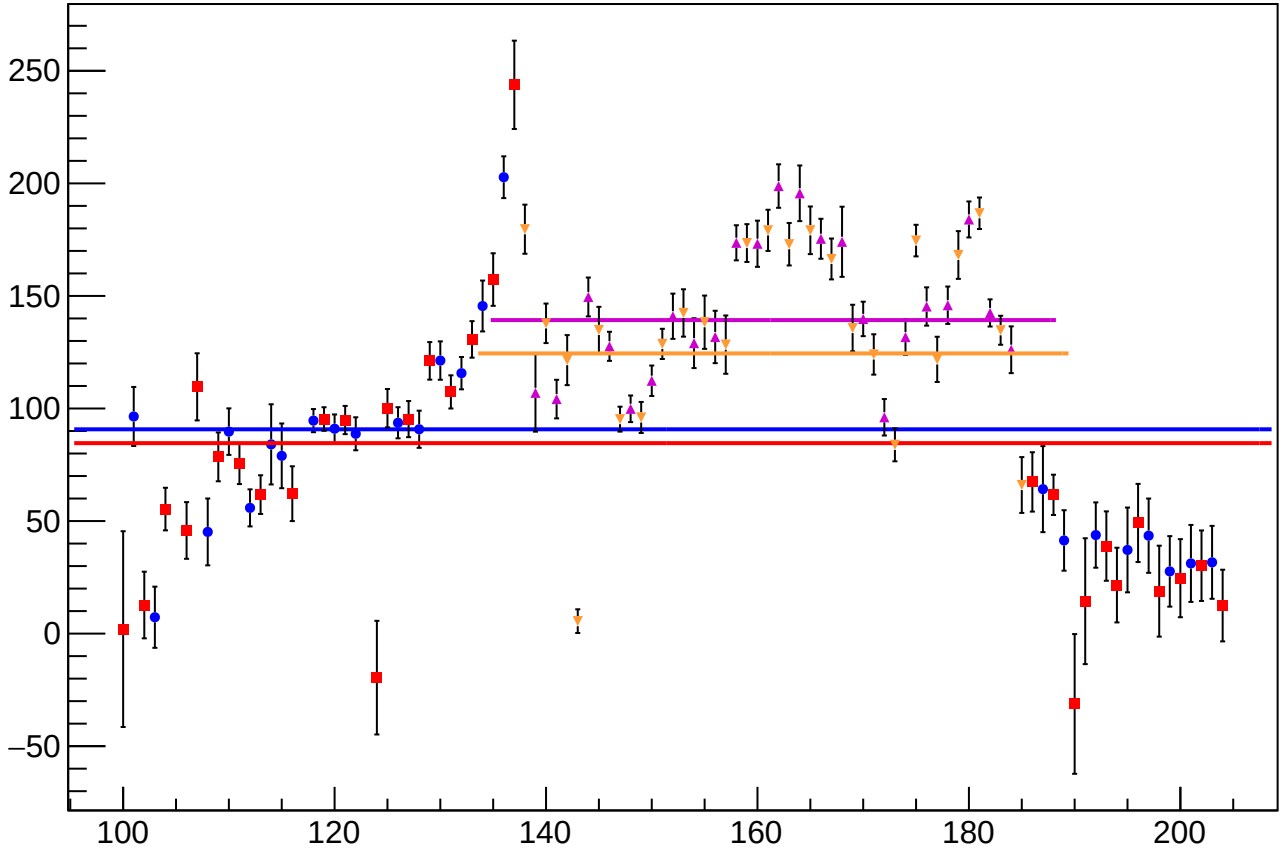
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 354.658+/-1.303 χ^2/NDF: 11291.1/48

All: 368.328+/-0.898 χ^2/NDF: 21192.8/101

- sign 380.694+/-1.239 χ^2/NDF: 9692.1/52

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 90.753+/-2.007 χ^2/NDF: 344.9/23

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 84.611+/-1.945 χ^2/NDF: 366.7/29

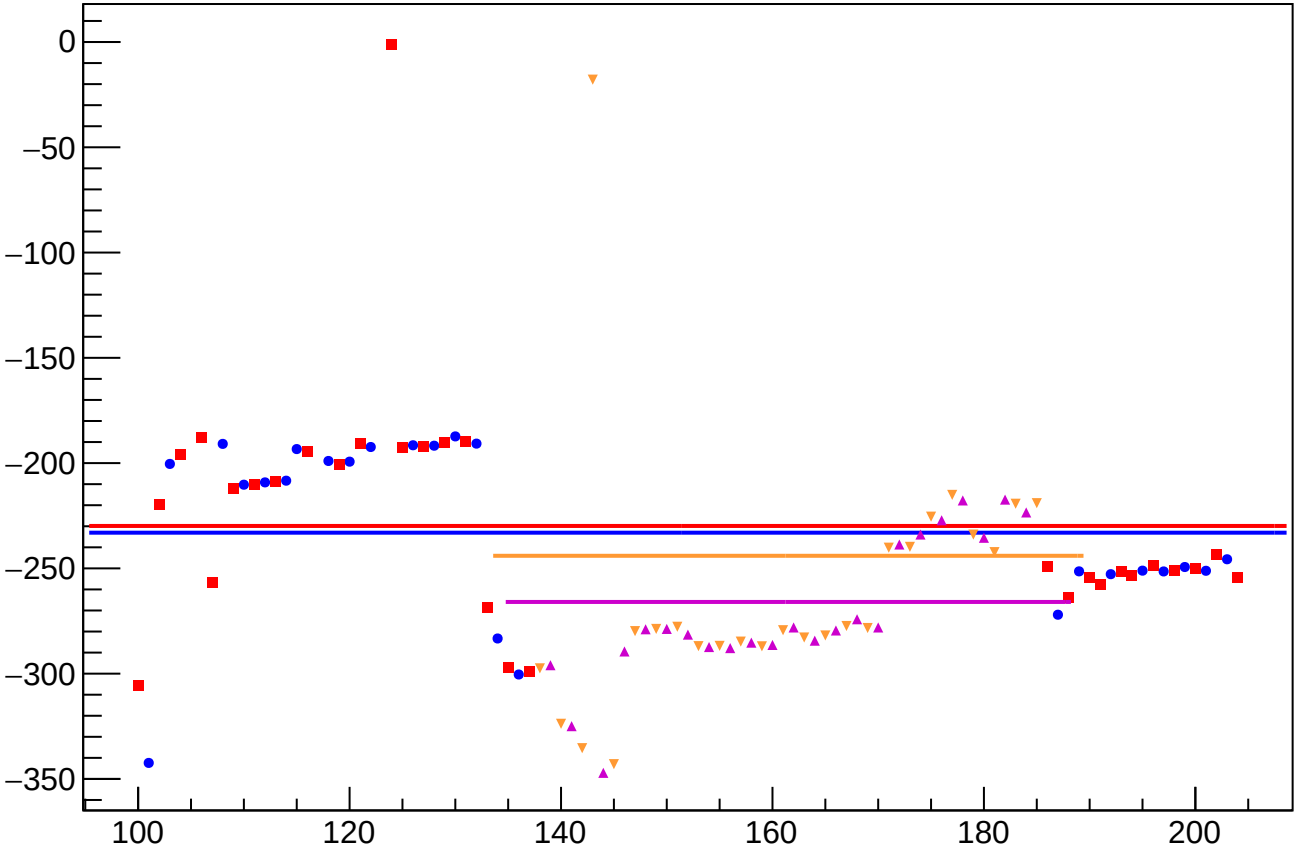
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 110.750+/-1.280 χ^2/NDF: 1449.9/48

All: 112.597+/-0.915 χ^2/NDF: 2513.8/101

- sign 114.528+/-1.309 χ^2/NDF: 1059.6/52

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -233.049+/-0.112 χ^2/NDF: 135575.9/23

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -229.850+/-0.105 χ^2/NDF: 111194.3/29

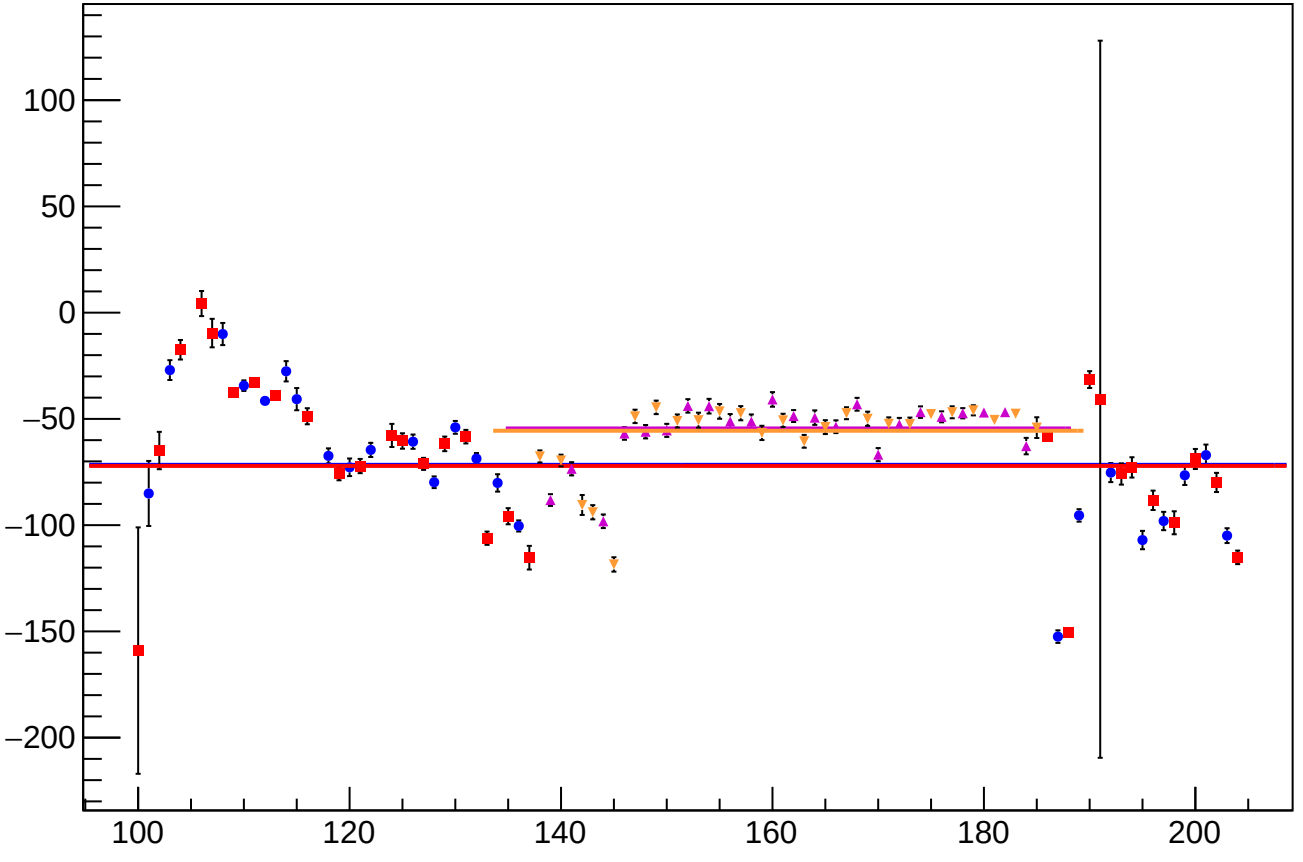
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -240.494+/-0.064 χ^2/NDF: 1140006.4/48

All: -246.541+/-0.045 χ^2/NDF: 1513352.6/10

- sign -252.640+/-0.064 χ^2/NDF: 355244.5/52

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -71.619+/-0.705 χ^2/NDF: 1969.9/23

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -72.116+/-0.611 χ^2/NDF: 3952.7/29

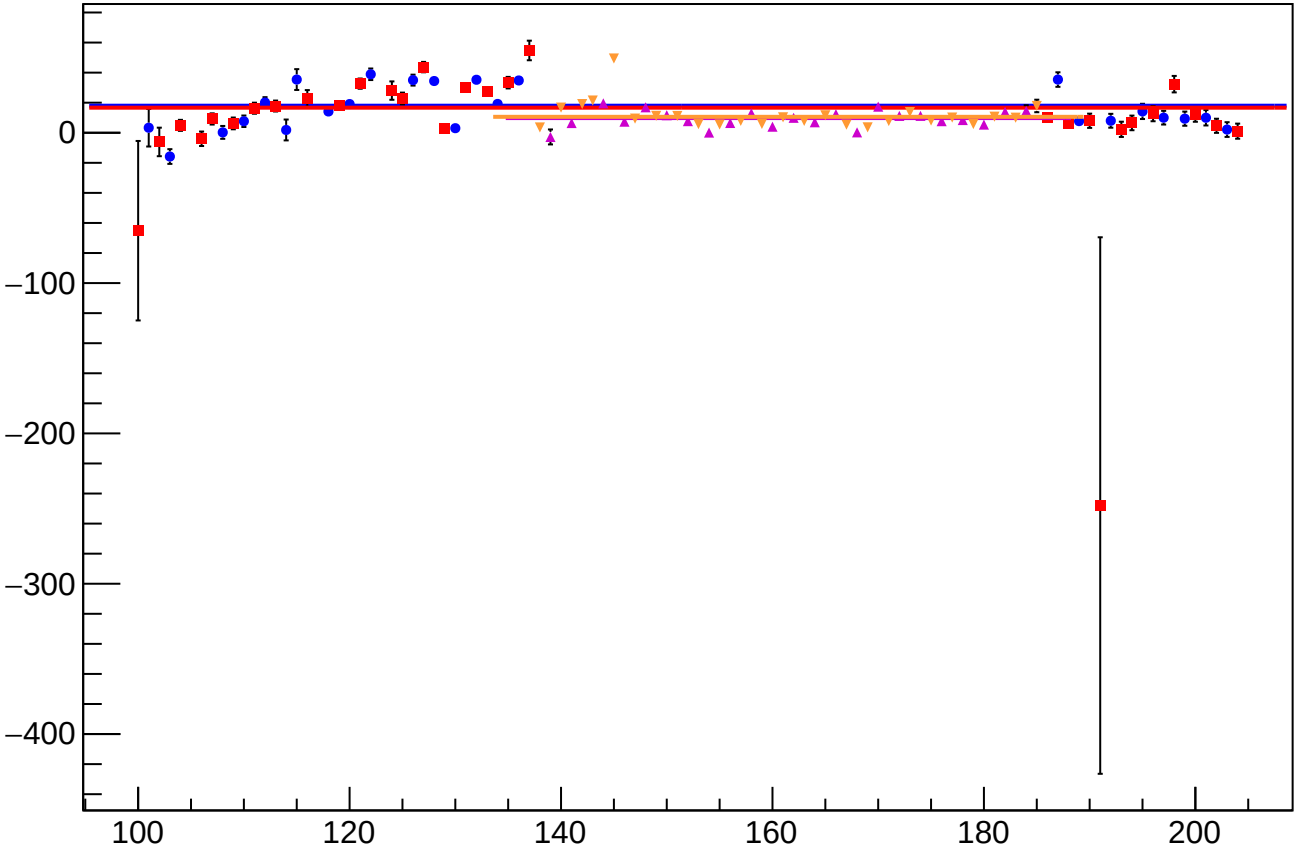
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

+ sign -62.186+/-0.452 χ^2/NDF: 2961.0/48

All: -62.735+/-0.312 χ^2/NDF: 7835.5/101

- sign -63.233+/-0.430 χ^2/NDF: 4871.7/52

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 17.995+/-0.761 χ^2/NDF: 299.8/23

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 16.683+/-0.689 χ^2/NDF: 319.1/29

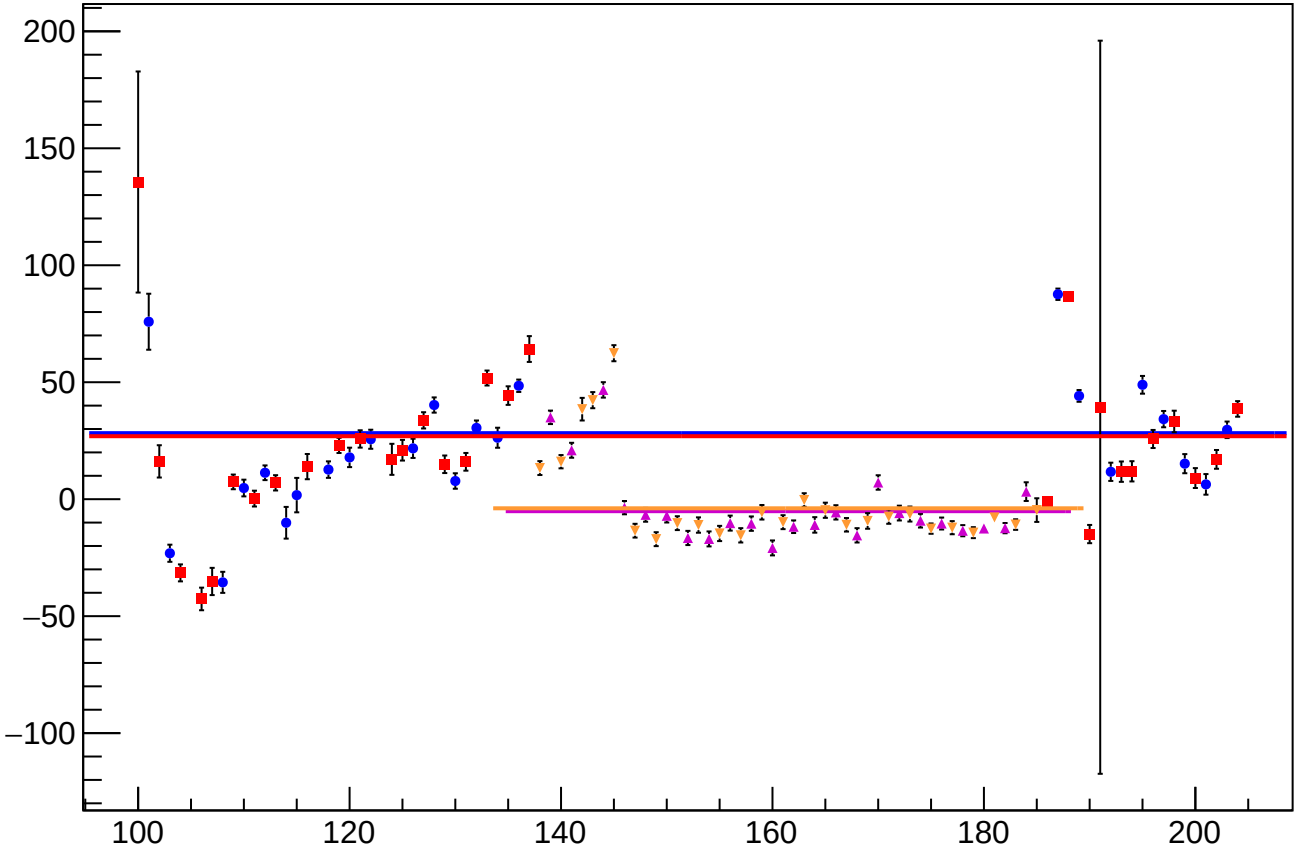
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.514+/-0.387 χ^2/NDF: 624.9/48

All: 12.228+/-0.273 χ^2/NDF: 1135.2/101

- sign 11.943+/-0.386 χ^2/NDF: 509.3/52

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 28.227+/-0.739 χ^2/NDF: 1393.5/23

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 26.921+/-0.615 χ^2/NDF: 3317.3/29

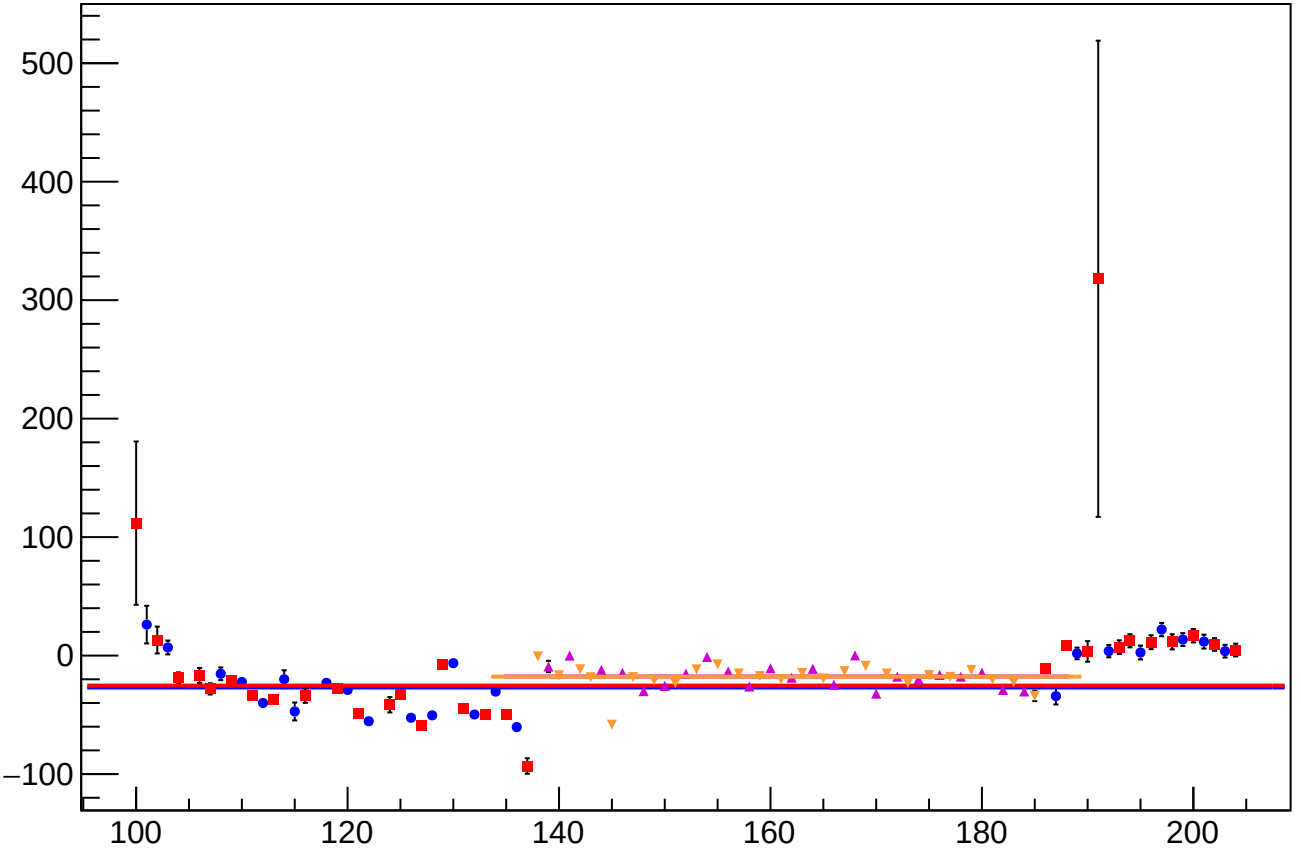
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 8.478+/-0.459 χ^2/NDF: 3404.7/48

All: 9.559+/-0.313 χ^2/NDF: 8775.2/101

- sign 10.505+/-0.429 χ^2/NDF: 5360.0/52

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -26.906+/-0.885 χ^2/NDF: 714.8/23

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -25.345+/-0.825 χ^2/NDF: 849.2/29

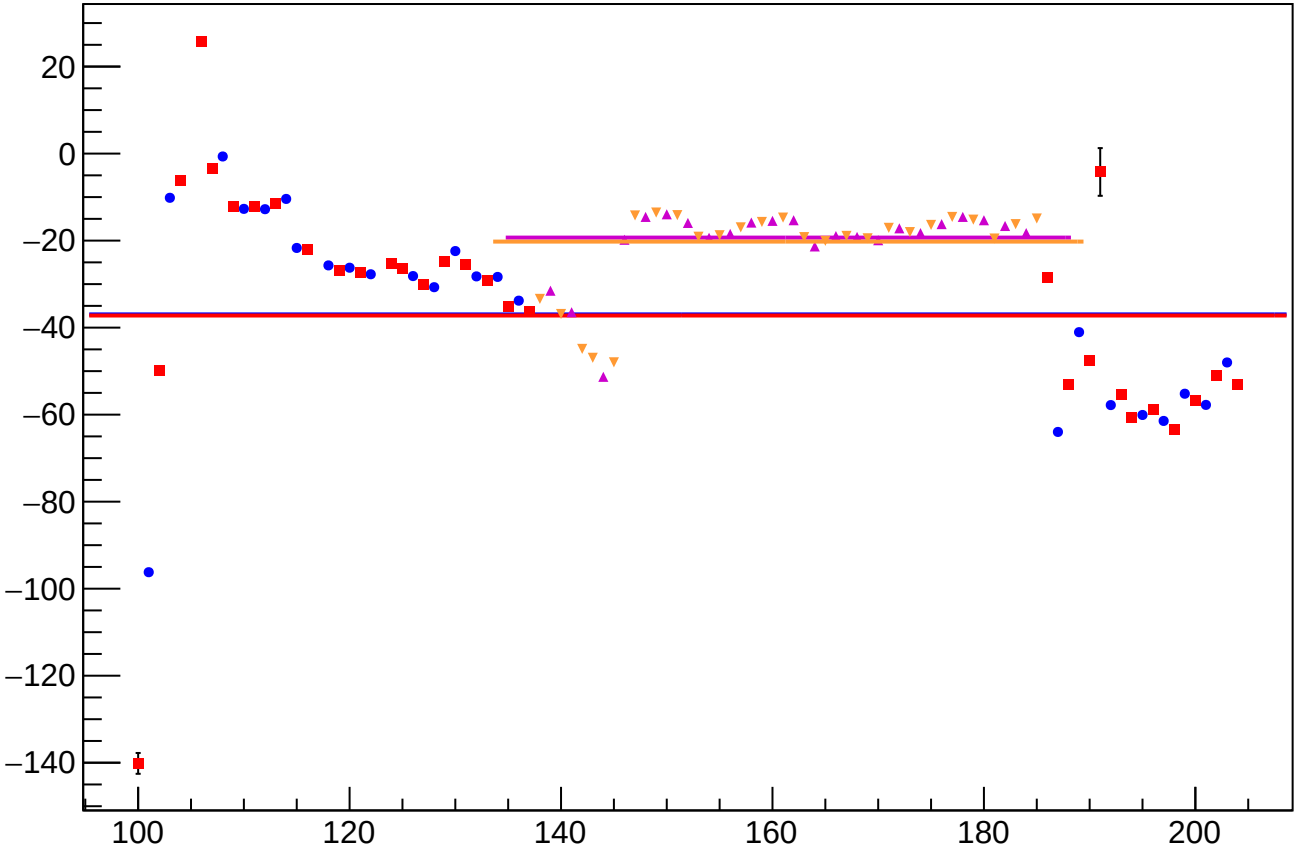
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -20.044+/-0.441 χ^2/NDF: 1046.3/48

All: -19.957+/-0.313 χ^2/NDF: 2243.5/101

- sign -19.868+/-0.444 χ^2/NDF: 1197.1/52

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -36.959+/-0.044 χ^2/NDF: 197279.7/23

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -37.216+/-0.042 χ^2/NDF: 275071.4/29

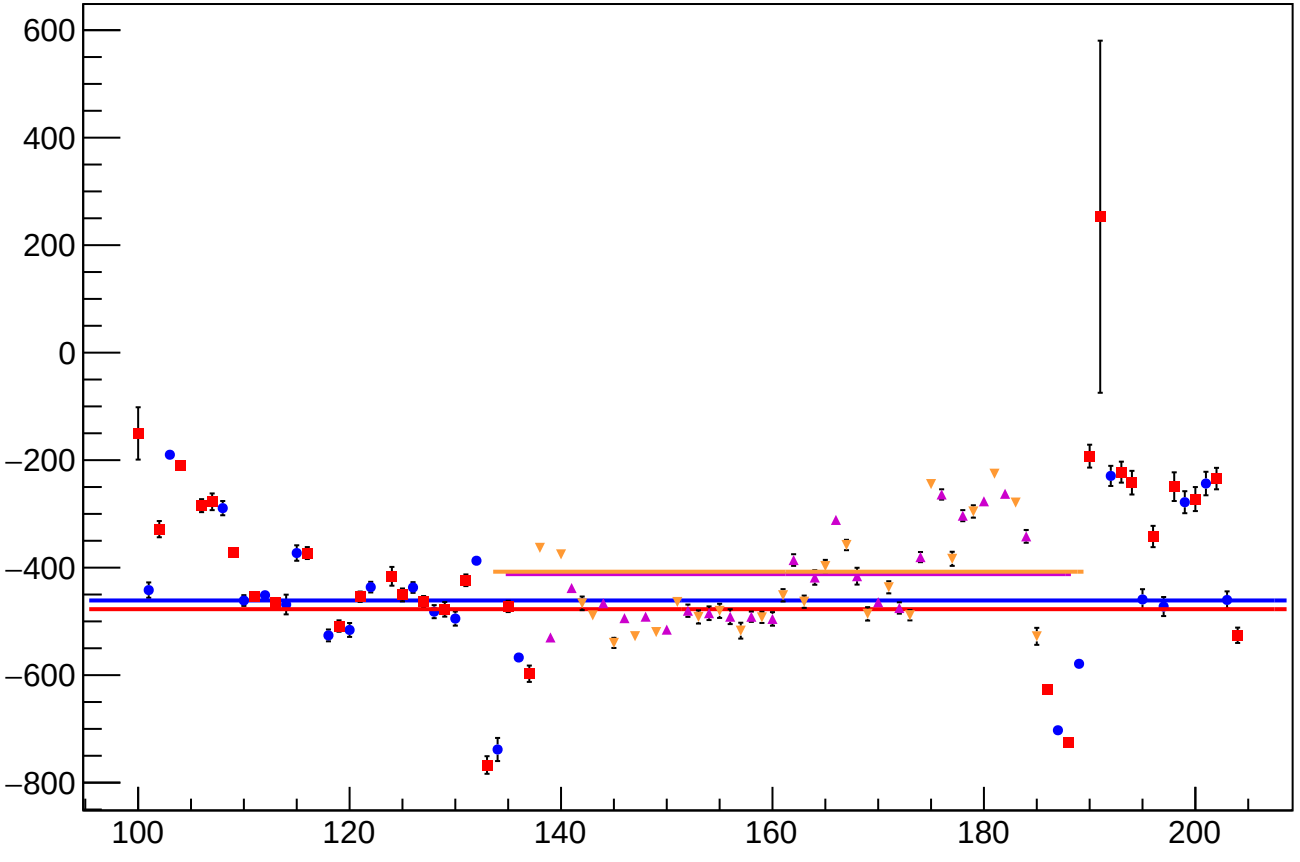
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -23.833+/-0.020 χ^2/NDF: 460141.4/48

All: -23.695+/-0.014 χ^2/NDF: 968850.2/101

- sign -23.556+/-0.020 χ^2/NDF: 508615.0/52

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -461.055+/-2.362 χ^2/NDF: 2806.2/23

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -477.269+/-2.058 χ^2/NDF: 6089.1/29

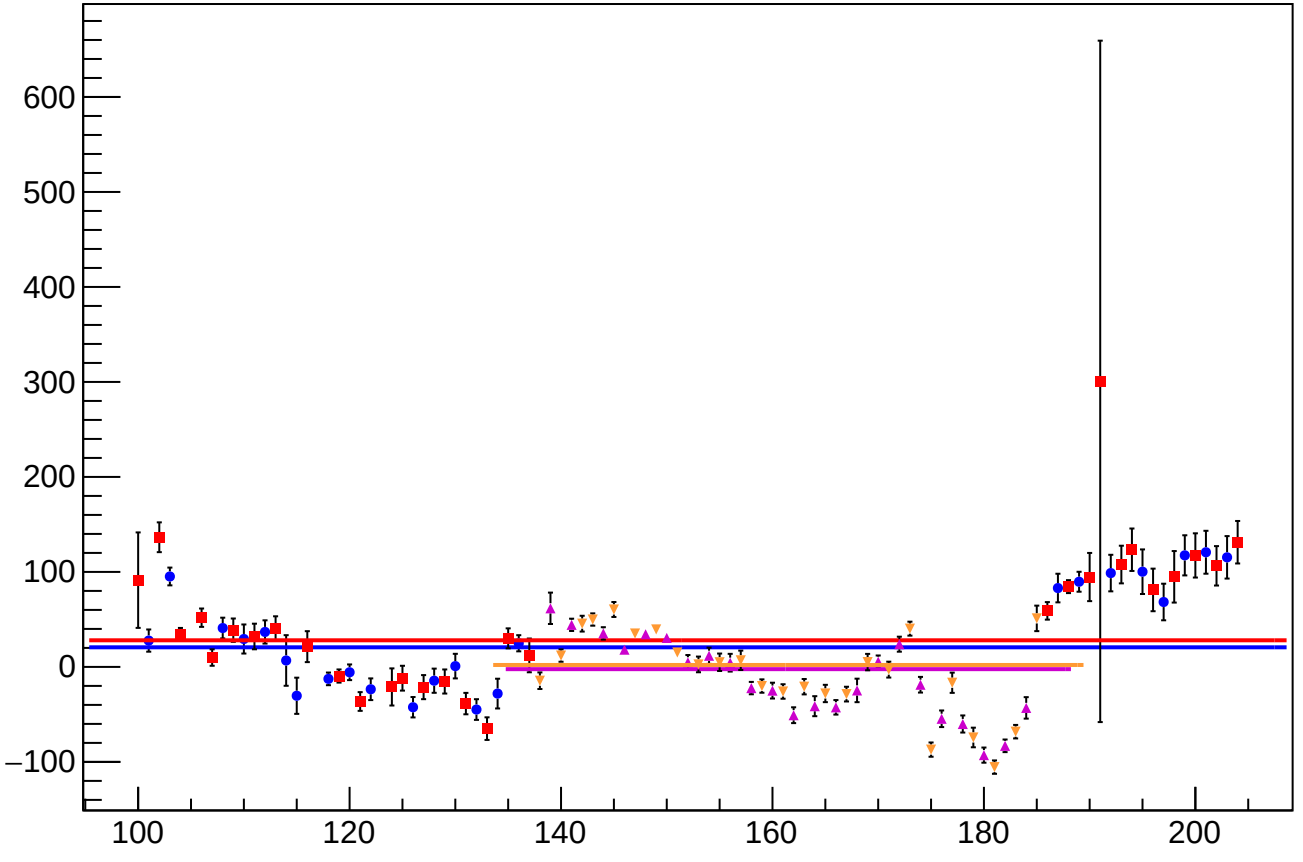
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -429.254+/-1.504 χ^2/NDF: 5983.7/48

All: -436.908+/-1.039 χ^2/NDF: 14818.3/101

- sign -443.895+/-1.437 χ^2/NDF: 8785.1/52

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 20.629+/-2.490 χ^2/NDF: 370.8/23

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 28.016+/-2.225 χ^2/NDF: 458.2/29

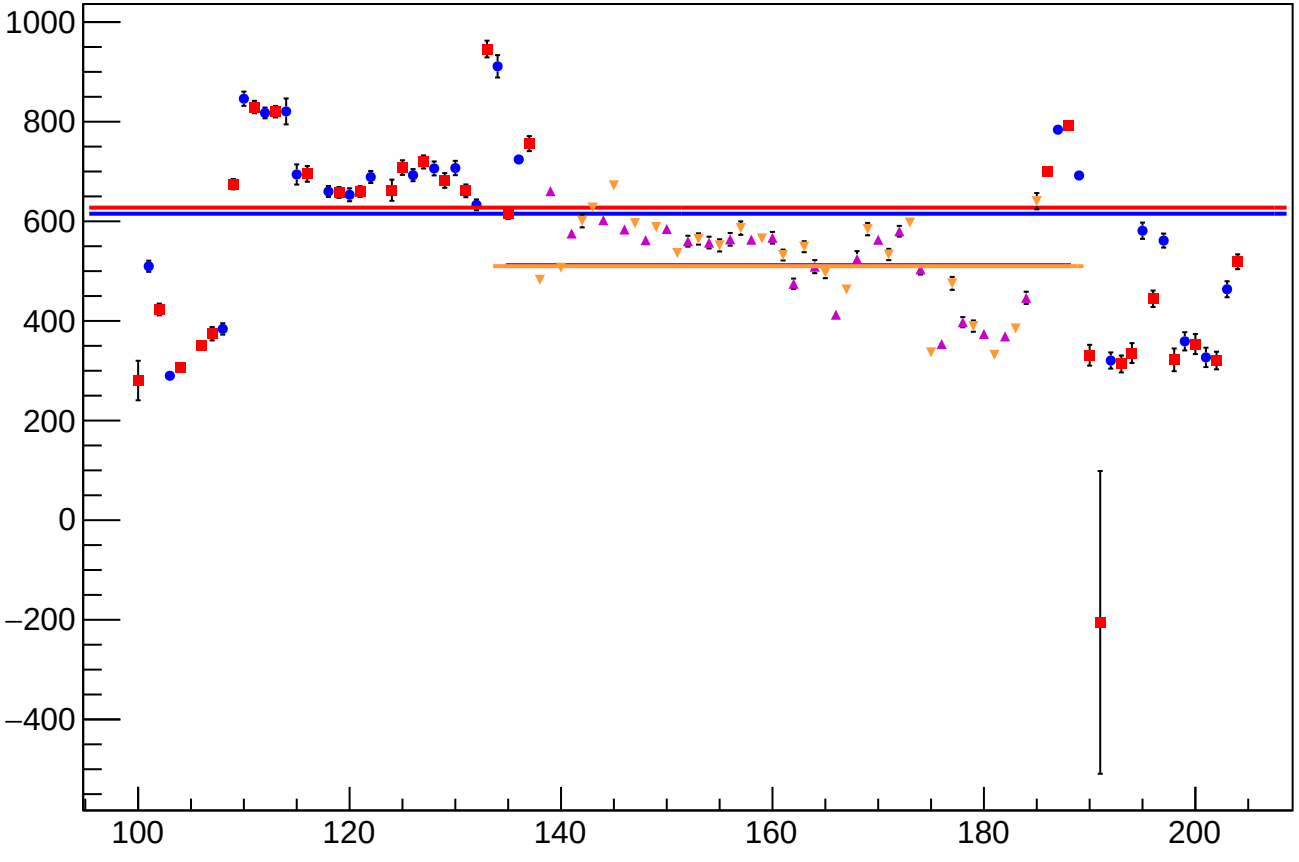
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

\+ sign 6.627+/-1.237 χ^2/NDF: 1323.5/48

All: 6.800+/-0.874 χ^2/NDF: 2644.2/101

\- sign 6.972+/-1.234 χ^2/NDF: 1320.7/52

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 615.276+/-2.388 χ^2/NDF: 5333.0/23

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 627.455+/-2.010 χ^2/NDF: 8621.3/29

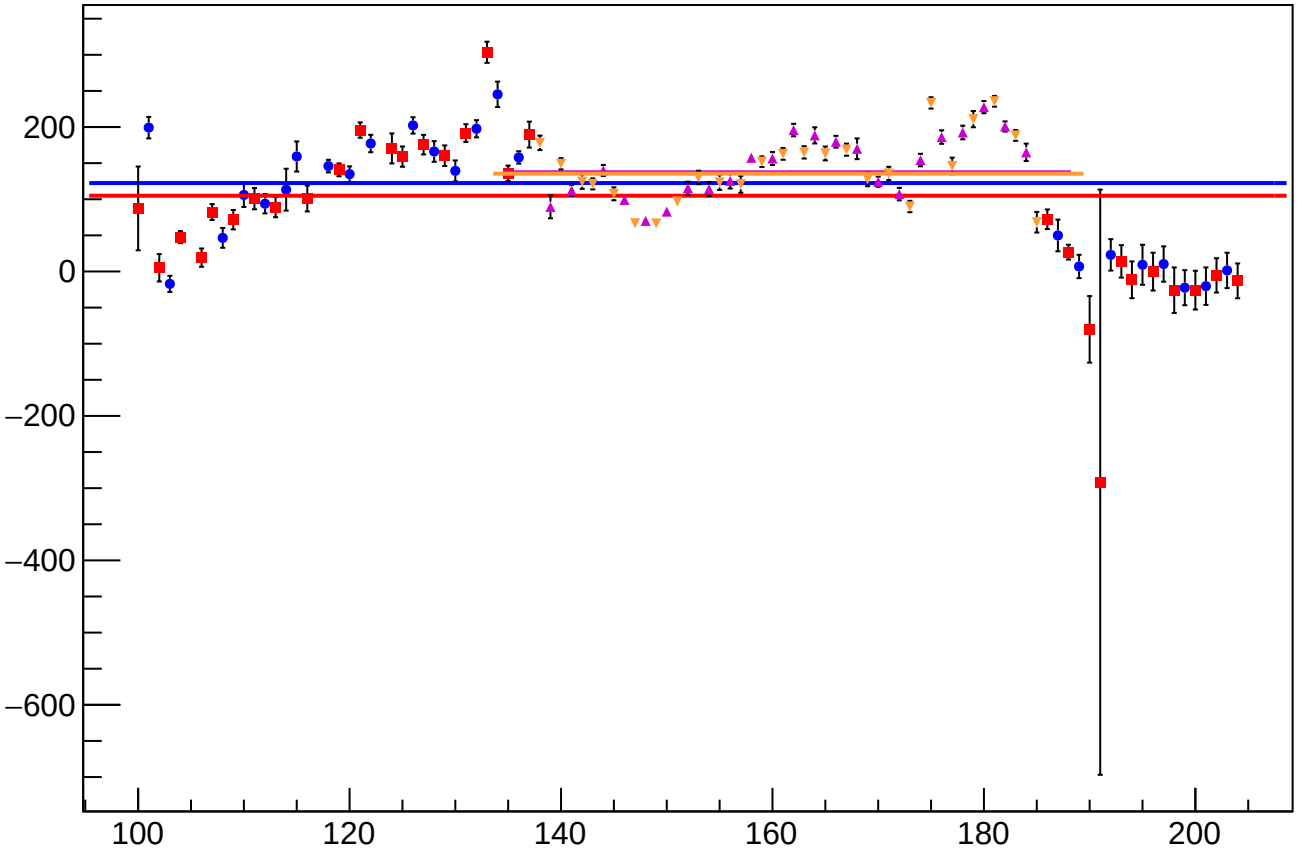
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 551.686+/-1.504 χ^2/NDF: 9170.3/48

All: 560.938+/-1.029 χ^2/NDF: 21613.7/101

- sign 569.098+/-1.412 χ^2/NDF: 12372.1/52

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 122.433+/-2.929 χ^2/NDF: 628.3/23

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 104.904+/-2.683 χ^2/NDF: 773.2/29

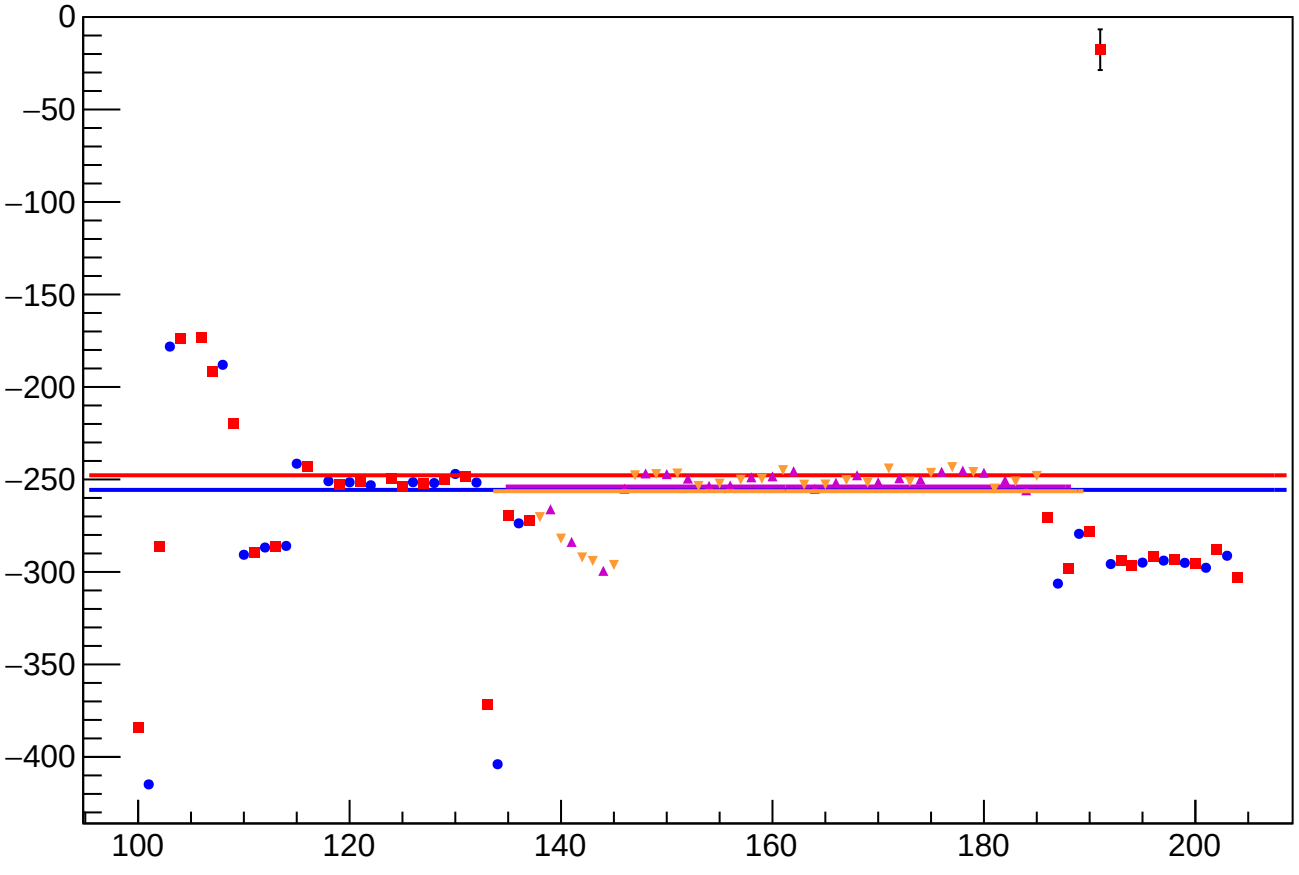
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 132.286+/-1.437 χ^2/NDF: 1566.3/48

All: 130.170+/-1.016 χ^2/NDF: 3154.3/101

- sign 128.054+/-1.437 χ^2/NDF: 1583.6/52

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -255.637+/-0.141 χ^2/NDF: 197444.2/23

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -247.749+/-0.133 χ^2/NDF: 148394.7/29

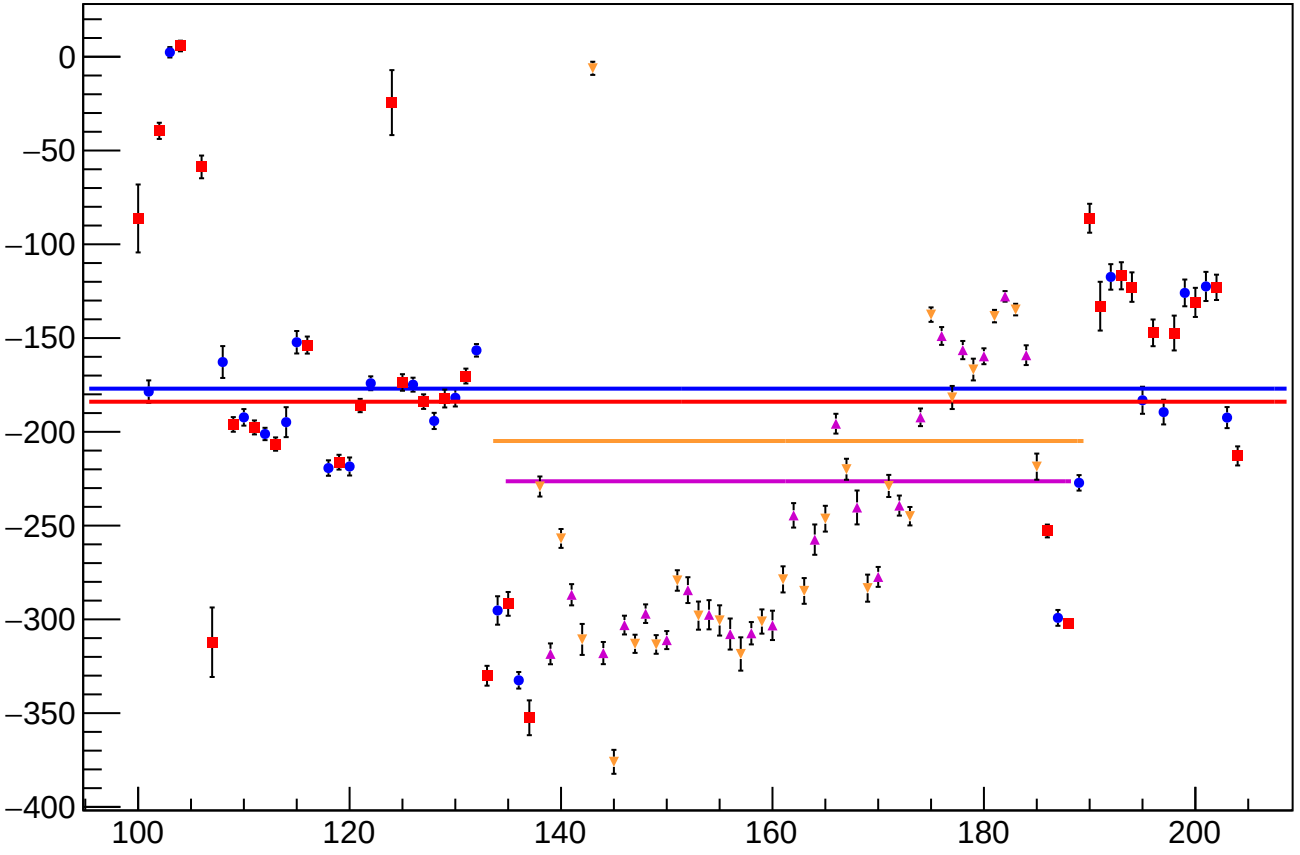
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -256.182+/-0.068 χ^2/NDF: 236976.9/48

All: -254.216+/-0.048 χ^2/NDF: 412674.9/101

- sign -252.274+/-0.067 χ^2/NDF: 174017.3/52

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -176.973+/-0.949 χ^2/NDF: 7147.8/23

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -183.943+/-0.855 χ^2/NDF: 11389.1/29

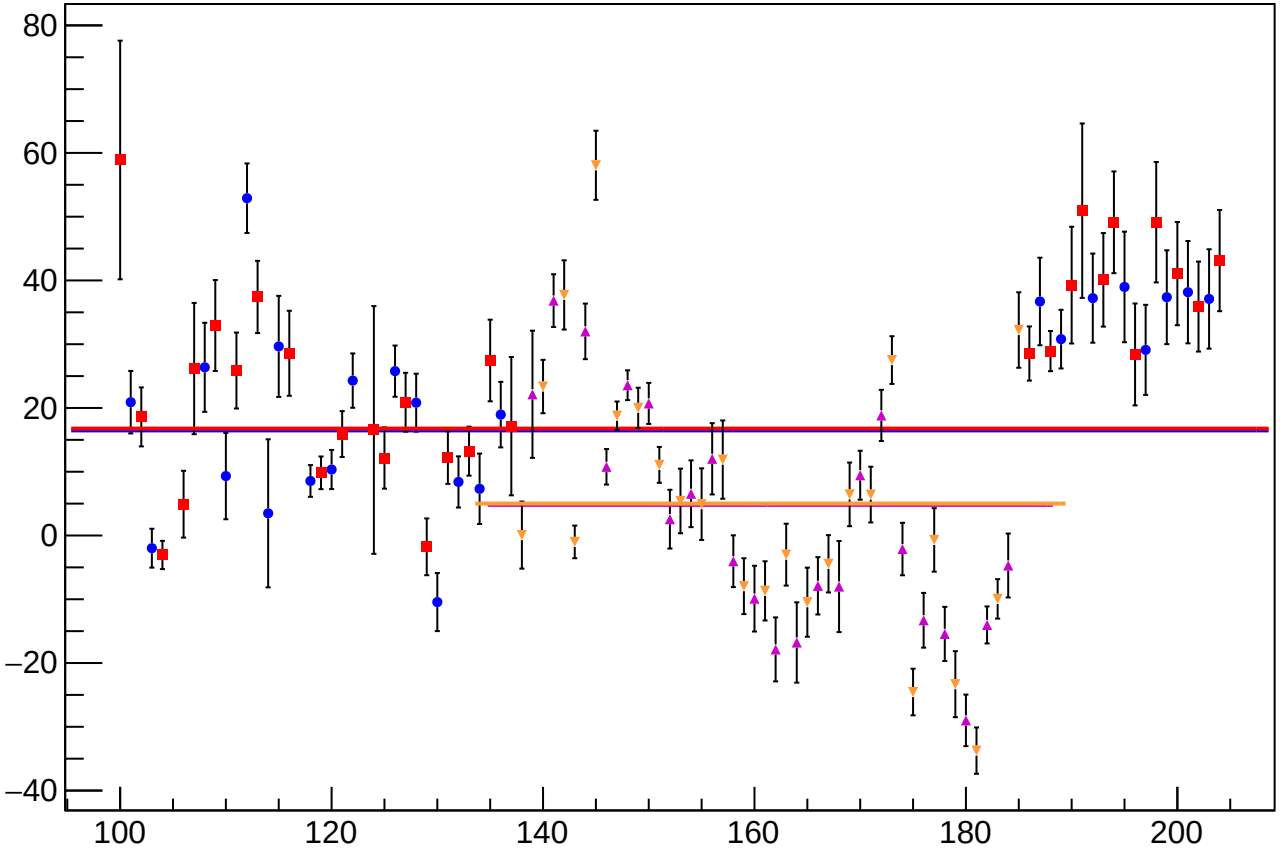
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -189.499+/-0.705 χ^2/NDF: 15362.4/48

All: -194.880+/-0.488 χ^2/NDF: 32004.3/101

- sign -199.838+/-0.676 χ^2/NDF: 16529.9/52

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 16.485+/-0.983 χ^2/NDF: 214.6/23

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 16.762+/-0.906 χ^2/NDF: 248.9/29

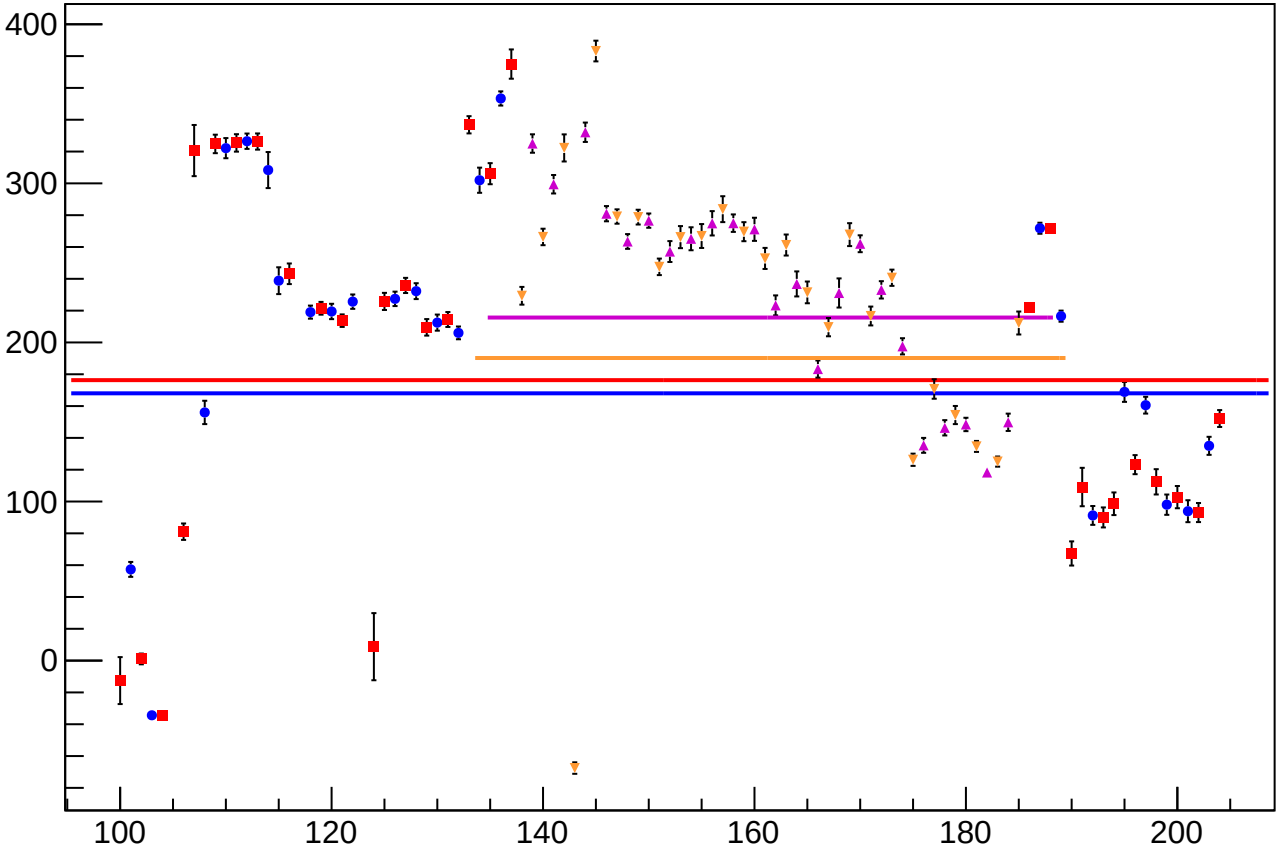
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 9.536+/-0.617 χ^2/NDF: 845.7/48

All: 9.954+/-0.437 χ^2/NDF: 1615.0/101

- sign 10.374+/-0.618 χ^2/NDF: 768.3/52

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 168.017+/-0.952 χ^2/NDF: 15522.7/23

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 176.303+/-0.831 χ^2/NDF: 20845.9/29

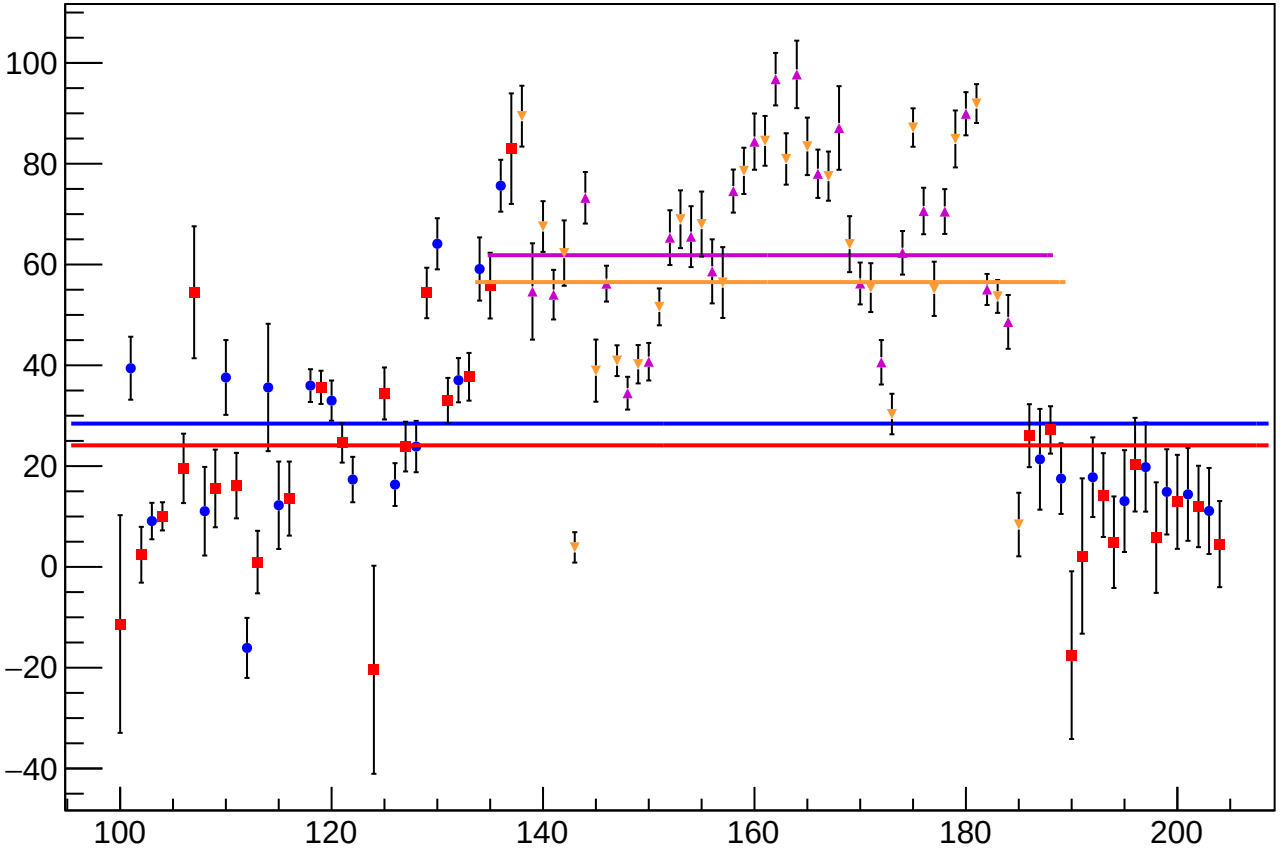
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 178.038+/-0.705 χ^2/NDF: 25151.9/48

All: 184.726+/-0.483 χ^2/NDF: 50869.2/101

- sign 190.630+/-0.663 χ^2/NDF: 25548.0/52

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 28.437+/-1.159 χ^2/NDF: 296.7/23

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 24.121+/-1.088 χ^2/NDF: 216.5/29

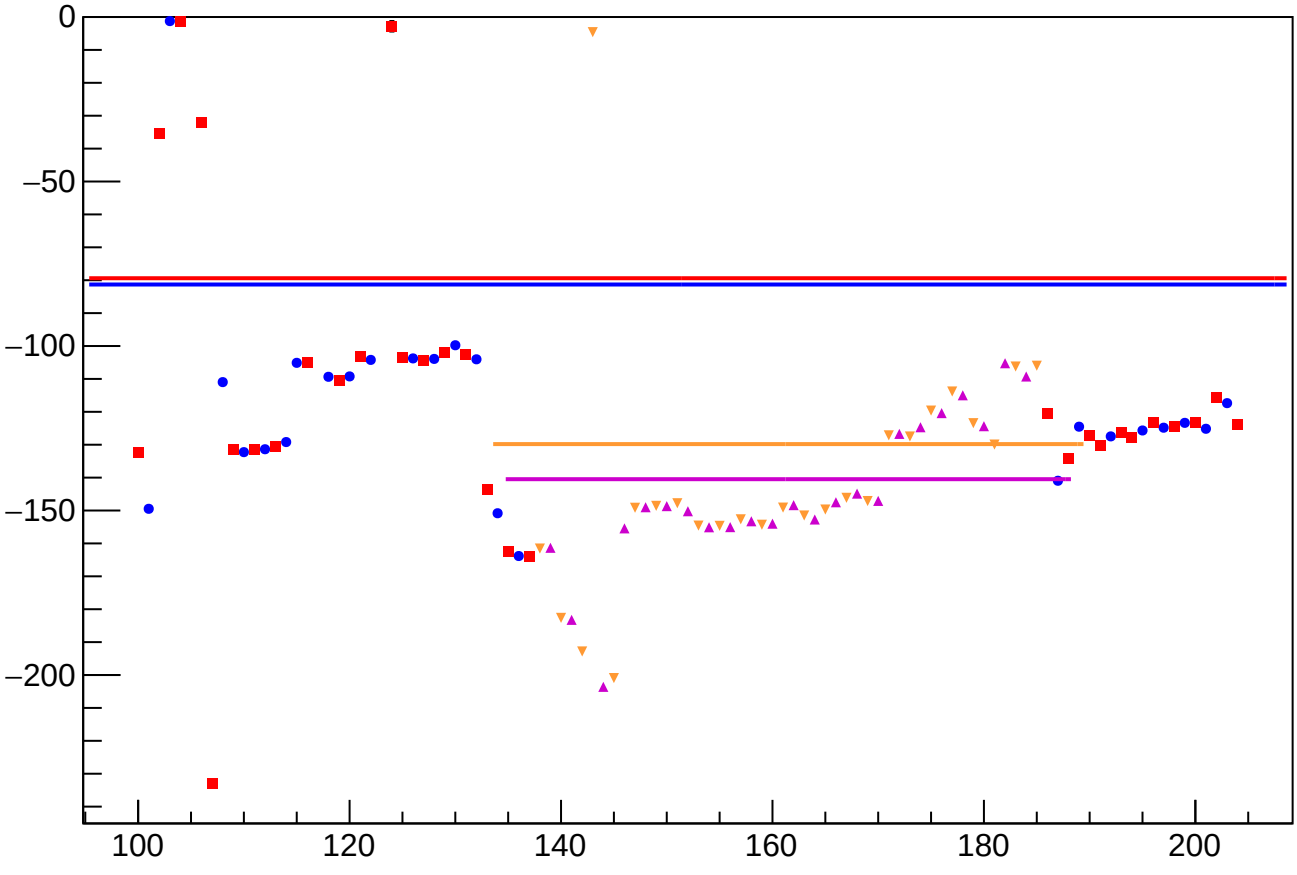
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 45.827+/-0.715 χ^2/NDF: 1458.7/48

All: 45.566+/-0.508 χ^2/NDF: 2671.7/101

- sign 45.302+/-0.720 χ^2/NDF: 1212.7/52

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -81.304+/-0.054 χ^2/NDF: 1290905.3/23

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -79.397+/-0.051 χ^2/NDF: 1254212.4/29

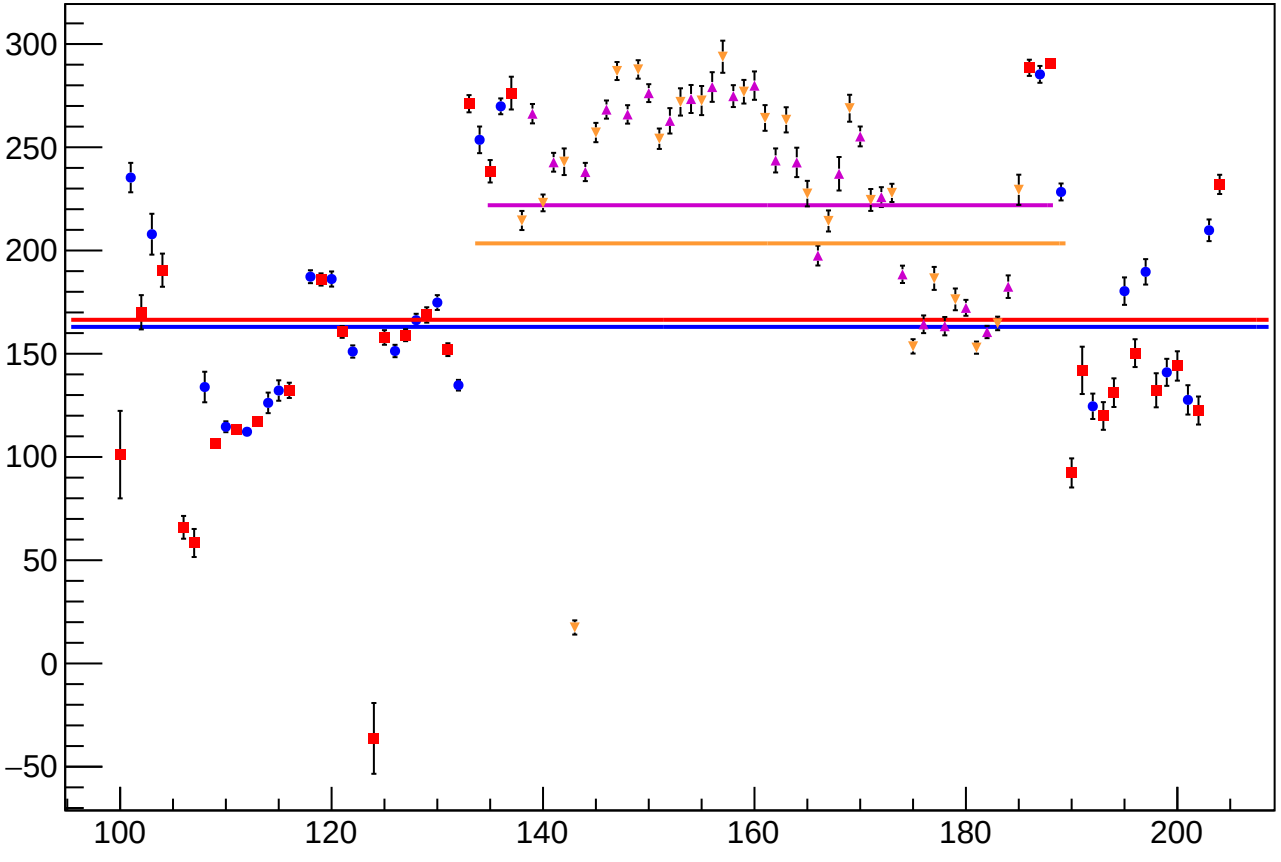
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -111.559+/-0.033 χ^2/NDF: 2814025.6/48

All: -113.169+/-0.024 χ^2/NDF: 5150899.7/10

- sign -114.773+/-0.033 χ^2/NDF: 2332205.5/52

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 163.006+/-0.791 χ^2/NDF: 3719.2/23

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 166.441+/-0.719 χ^2/NDF: 8294.9/29

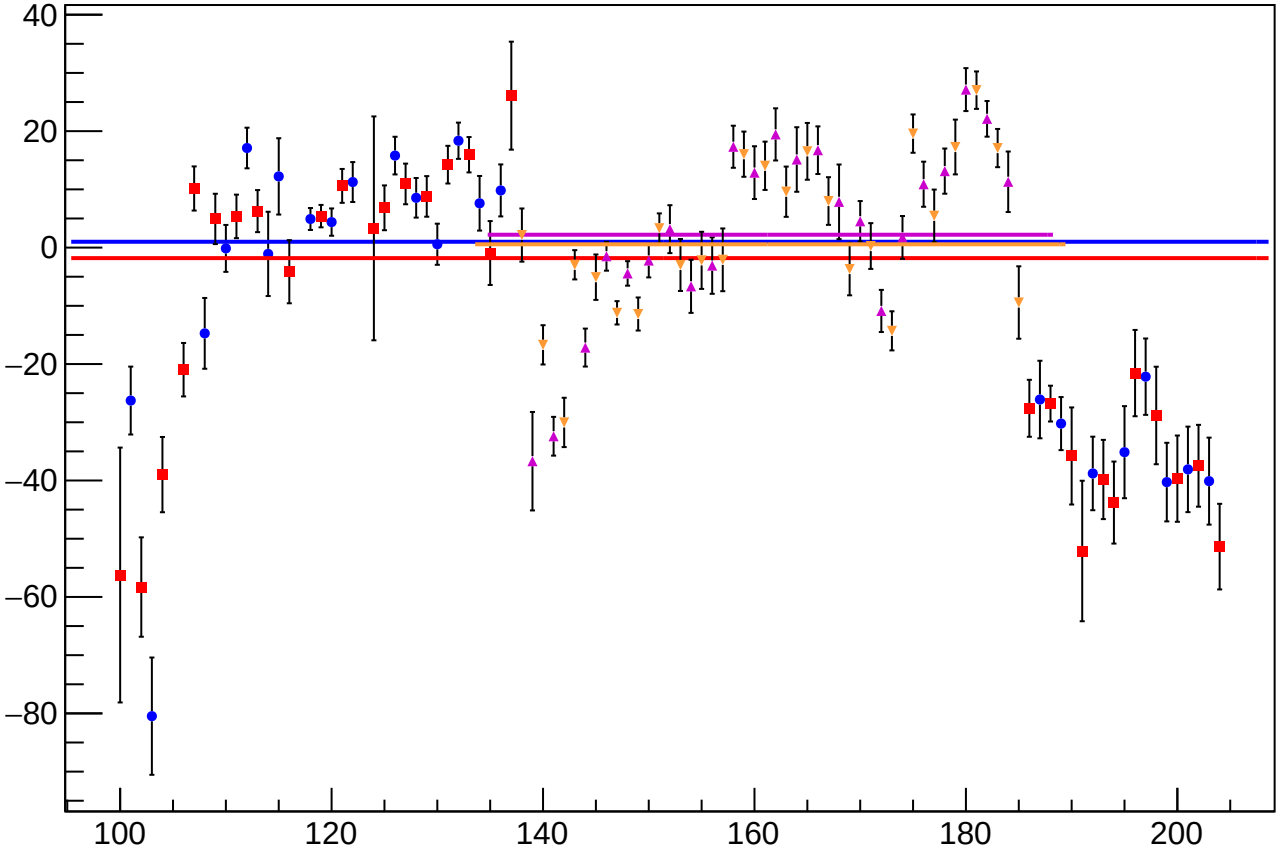
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

\+ sign 179.505+/-0.609 χ^2/NDF: 10277.3/48

All: 182.505+/-0.421 χ^2/NDF: 22627.4/101

\- sign 185.270+/-0.584 χ^2/NDF: 12303.4/52

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 1.002+/-0.829 χ^2/NDF: 429.2/23

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -1.807+/-0.800 χ^2/NDF: 558.9/29

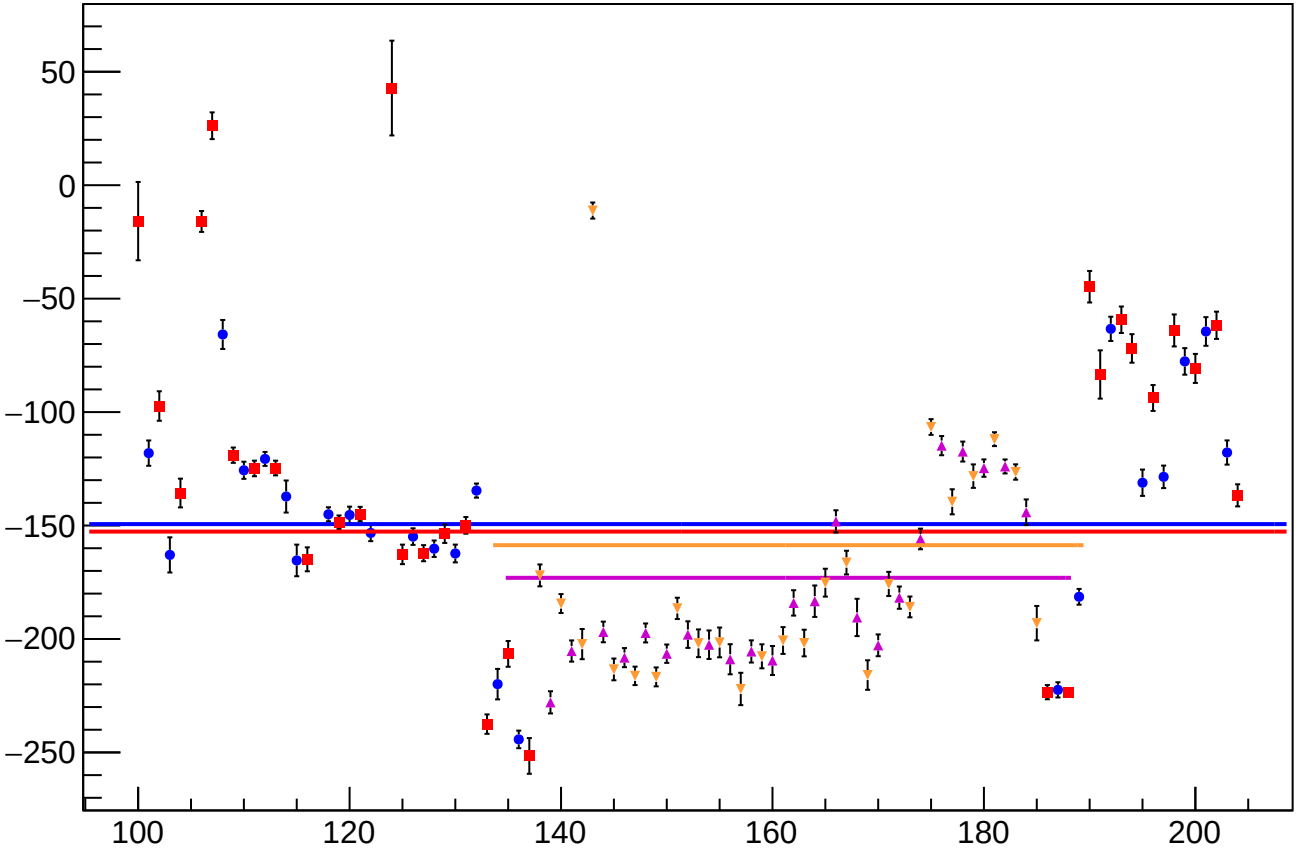
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 0.754+/-0.542 χ^2/NDF: 774.8/48

All: 0.532+/-0.386 χ^2/NDF: 1705.5/101

- sign 0.303+/-0.551 χ^2/NDF: 930.4/52

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.369+/-0.871 χ^2/NDF: 2312.5/23

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -152.665+/-0.774 χ^2/NDF: 6414.1/29

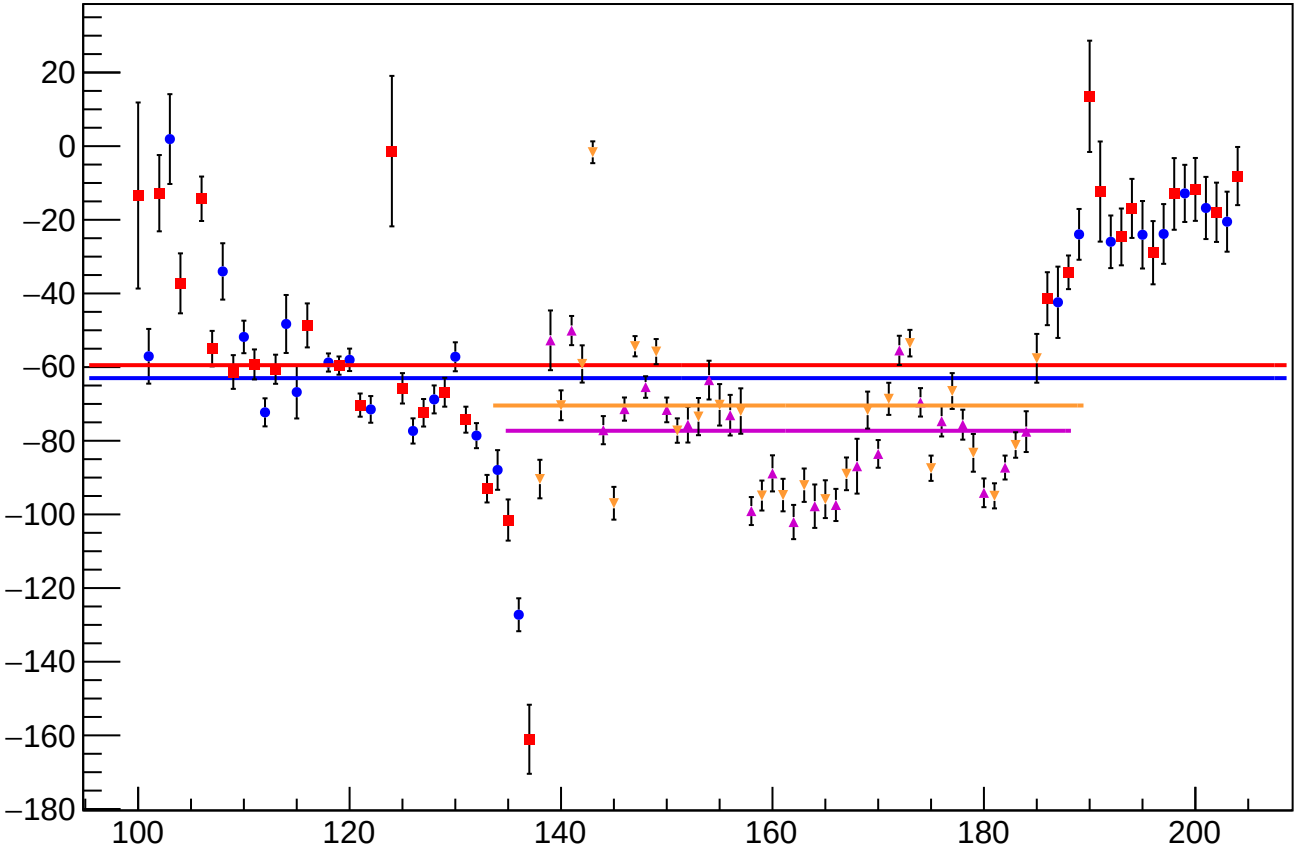
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -153.610+/-0.642 χ^2/NDF: 5856.2/48

All: -157.145+/-0.443 χ^2/NDF: 13988.9/101

- sign -160.347+/-0.611 χ^2/NDF: 8075.0/52

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -62.993+/-0.971 χ^2/NDF: 545.2/23

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -59.473+/-0.940 χ^2/NDF: 657.6/29

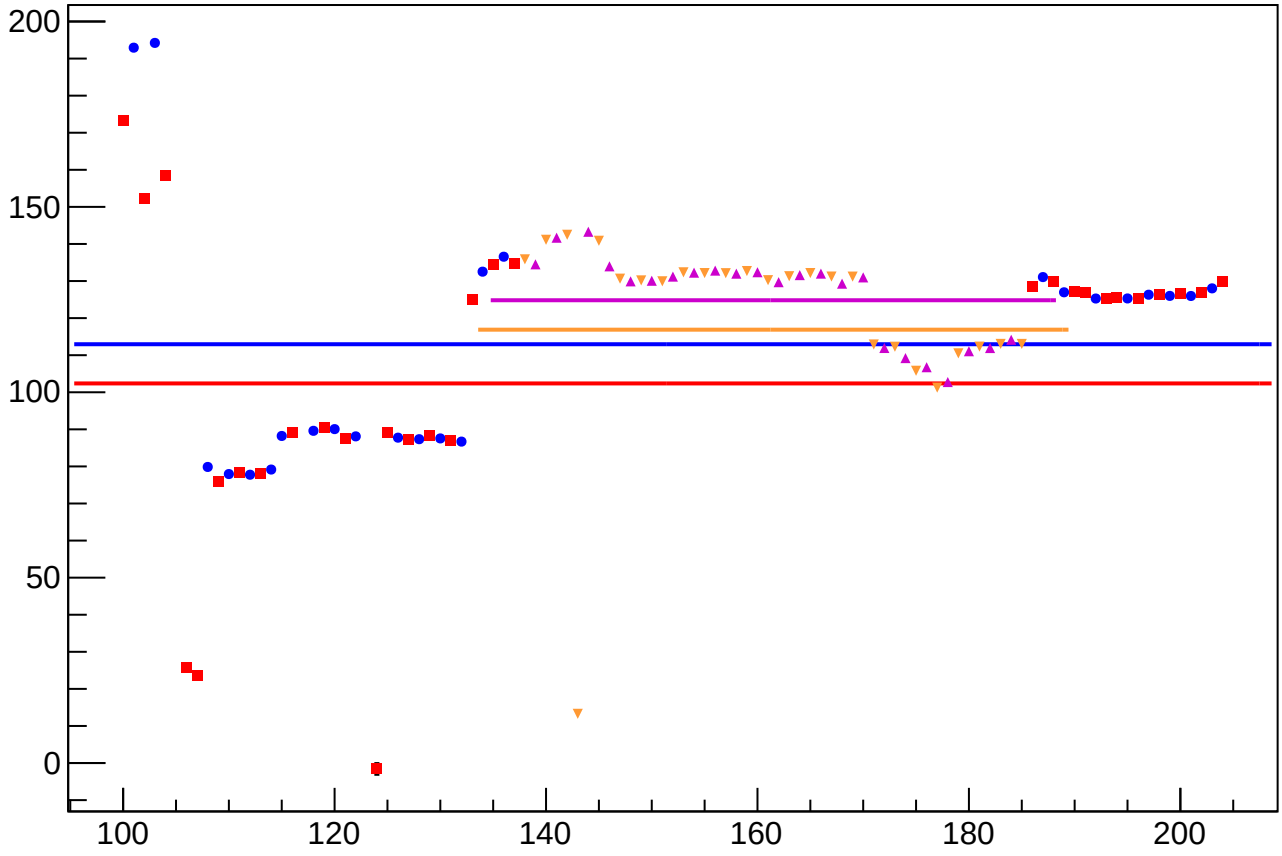
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -67.326+/-0.627 χ^2/NDF: 1481.0/48

All: -68.204+/-0.447 χ^2/NDF: 2591.3/101

- sign -69.109+/-0.637 χ^2/NDF: 1106.3/52

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 112.956+/-0.057 χ^2/NDF: 269870.5/23

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 102.384+/-0.052 χ^2/NDF: 508665.5/29

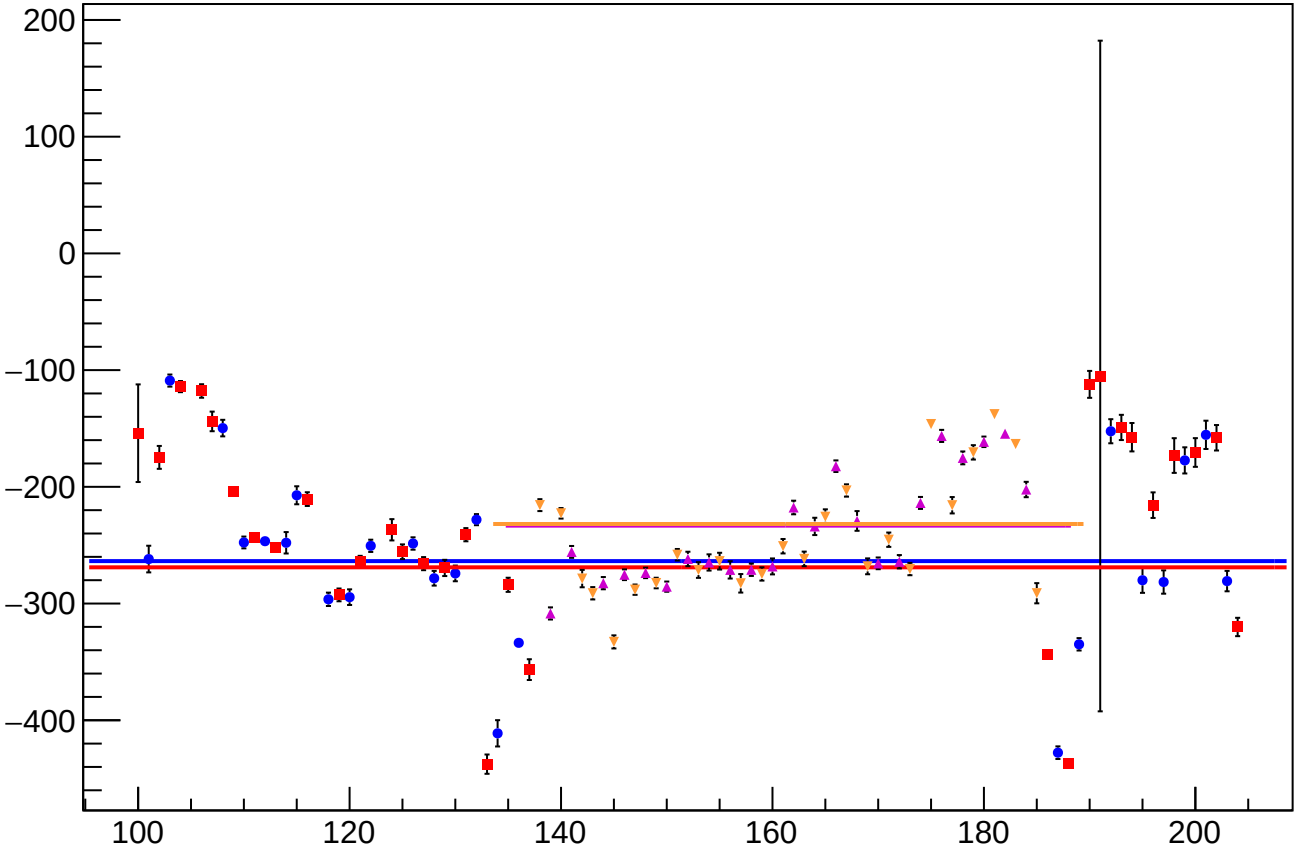
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 115.667+/-0.032 χ^2/NDF: 896264.9/48

All: 116.152+/-0.022 χ^2/NDF: 1612312.4/101

- sign 116.628+/-0.031 χ^2/NDF: 715581.2/52

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -263.644+/-1.282 χ^2/NDF: 3180.0/23

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -268.975+/-1.111 χ^2/NDF: 7461.3/29

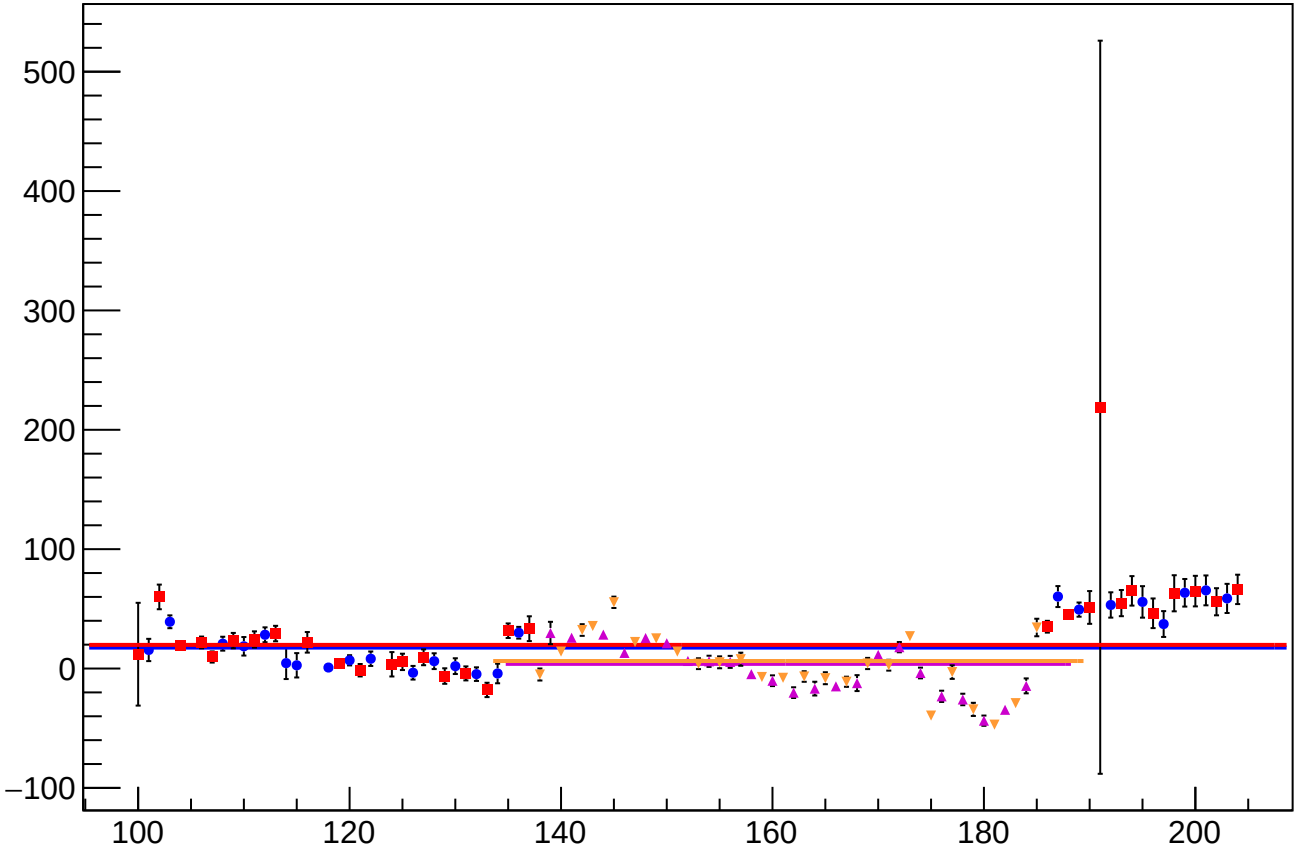
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -245.053+/-0.826 χ^2/NDF: 6216.5/48

All: -248.215+/-0.569 χ^2/NDF: 16291.1/101

- sign -251.065+/-0.784 χ^2/NDF: 10046.7/52

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 17.542+/-1.352 χ^2/NDF: 222.6/23

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 19.806+/-1.204 χ^2/NDF: 275.4/29

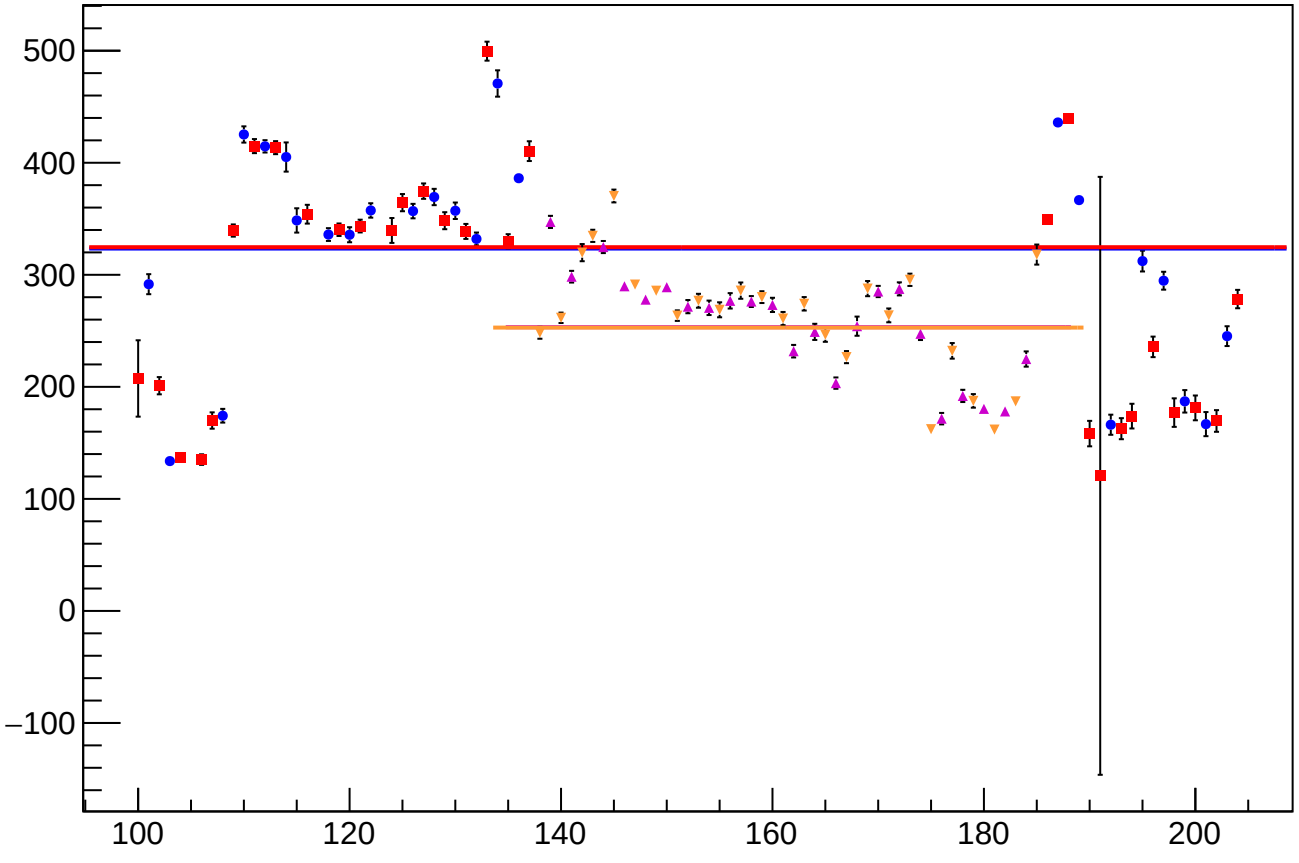
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 9.149+/-0.681 χ^2/NDF: 1145.7/48

All: 9.038+/-0.480 χ^2/NDF: 2190.7/101

- sign 8.928+/-0.677 χ^2/NDF: 1044.9/52

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 323.430+/-1.325 χ^2/NDF: 5332.3/23

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 324.631+/-1.106 χ^2/NDF: 9778.0/29

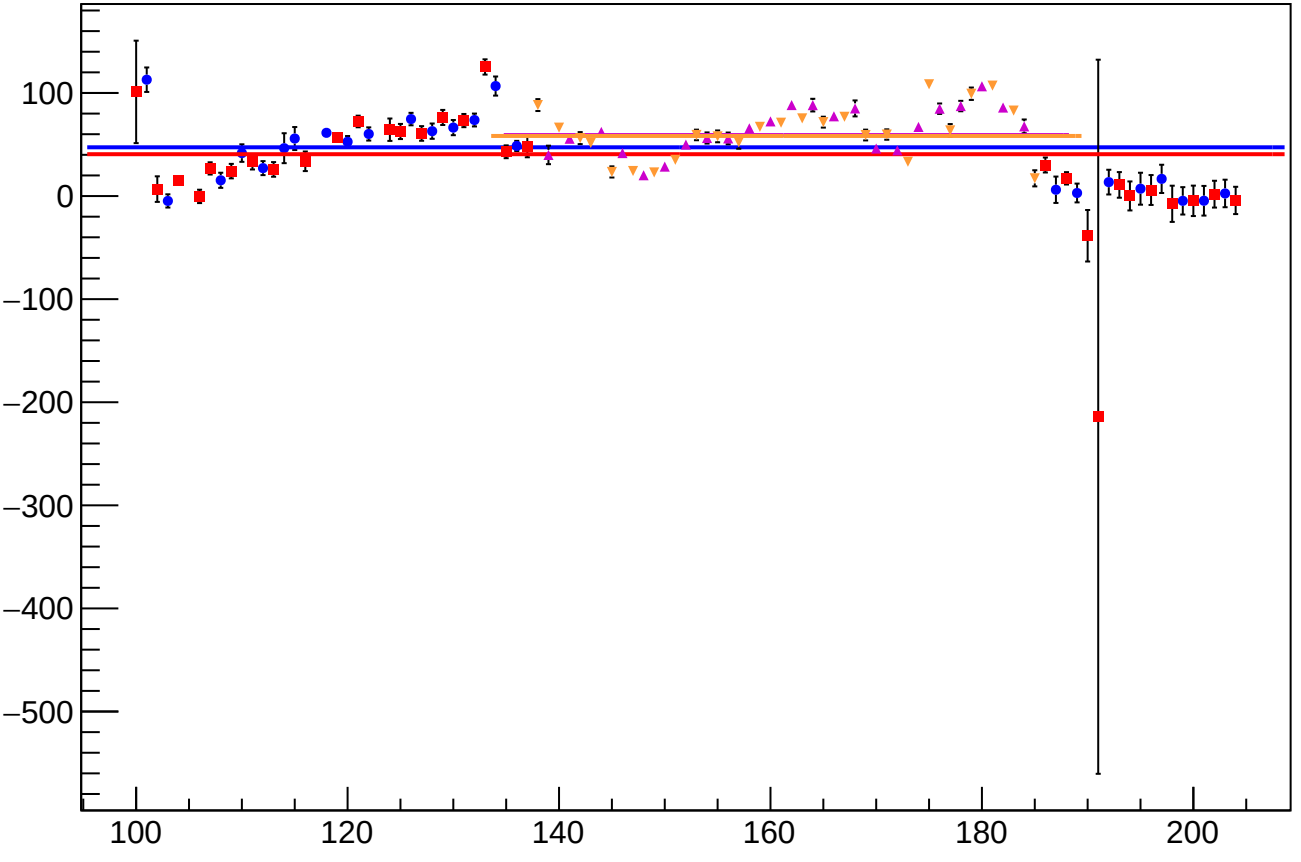
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 280.755+/-0.833 χ^2/NDF: 9627.0/48

All: 284.901+/-0.568 χ^2/NDF: 23617.1/101

- sign 288.519+/-0.778 χ^2/NDF: 13943.7/52

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 47.299+/-1.587 χ^2/NDF: 323.7/23

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 40.603+/-1.447 χ^2/NDF: 425.0/29

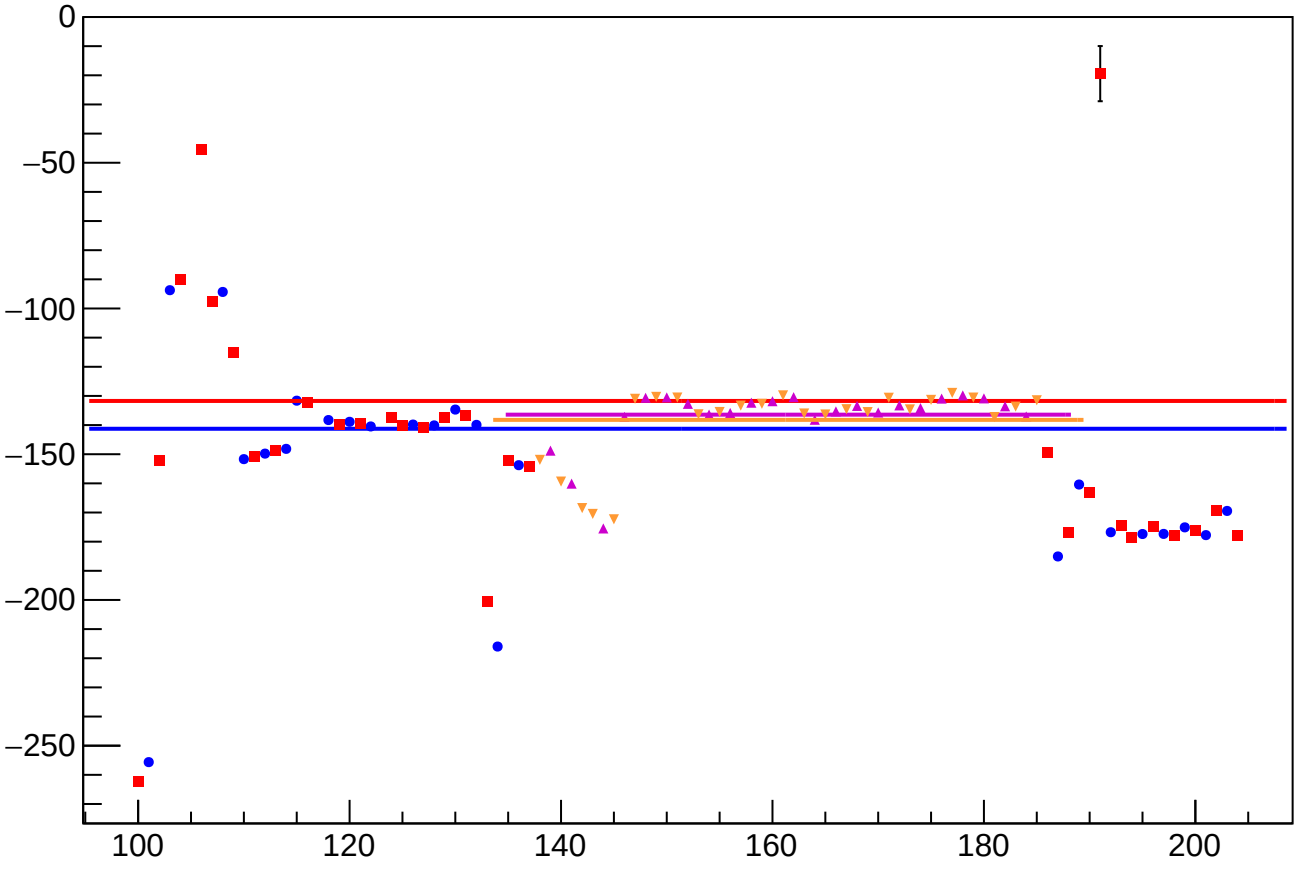
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 55.575+/-0.790 χ^2/NDF: 1210.1/48

All: 54.613+/-0.558 χ^2/NDF: 2386.2/101

- sign 53.657+/-0.787 χ^2/NDF: 1173.1/52

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -141.268+/-0.079 χ^2/NDF: 234196.3/23

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -131.723+/-0.073 χ^2/NDF: 332736.8/29

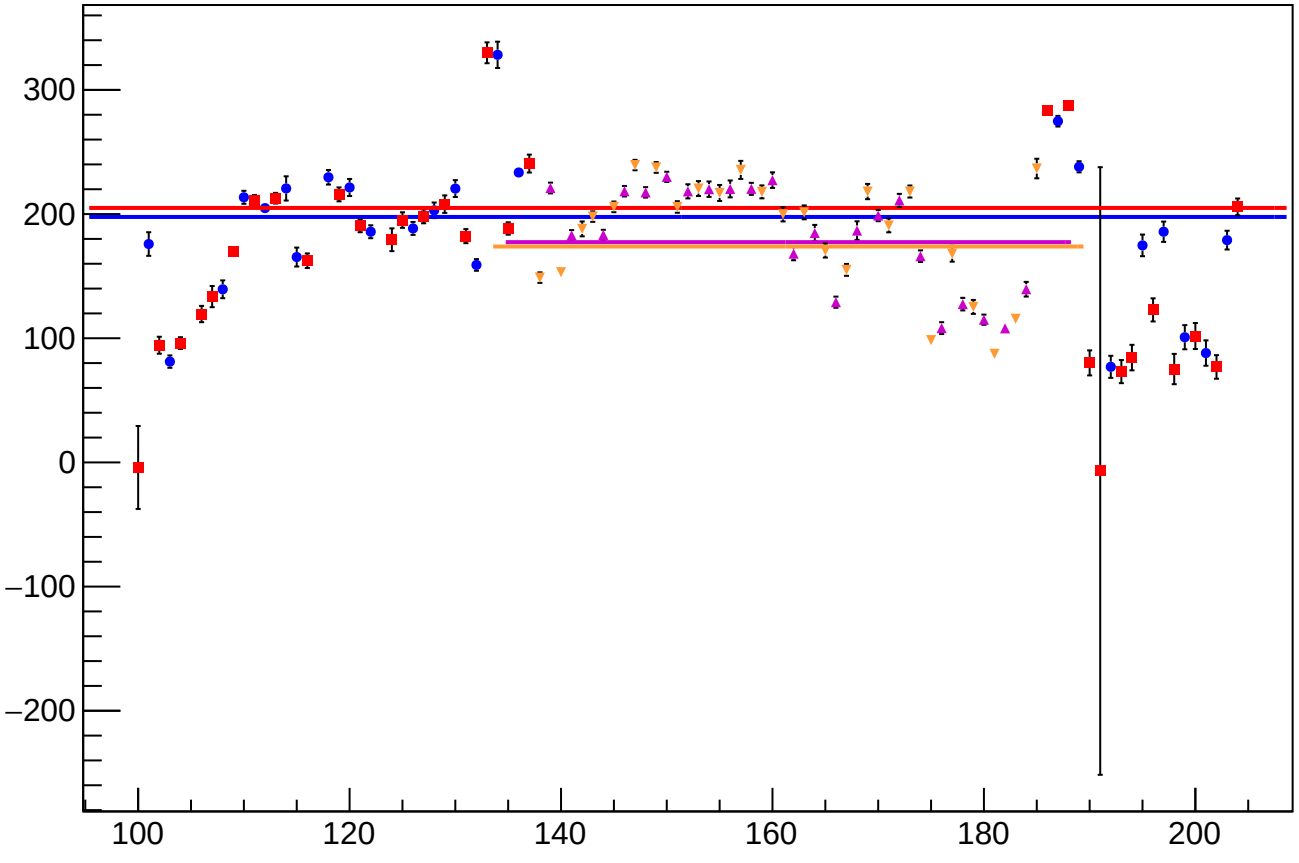
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -138.905+/-0.037 χ^2/NDF: 317185.6/48

All: -137.040+/-0.026 χ^2/NDF: 707721.6/101

- sign -135.221+/-0.037 χ^2/NDF: 385625.8/52

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 197.689+/-1.206 χ^2/NDF: 1859.3/23

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 204.949+/-1.039 χ^2/NDF: 4193.3/29

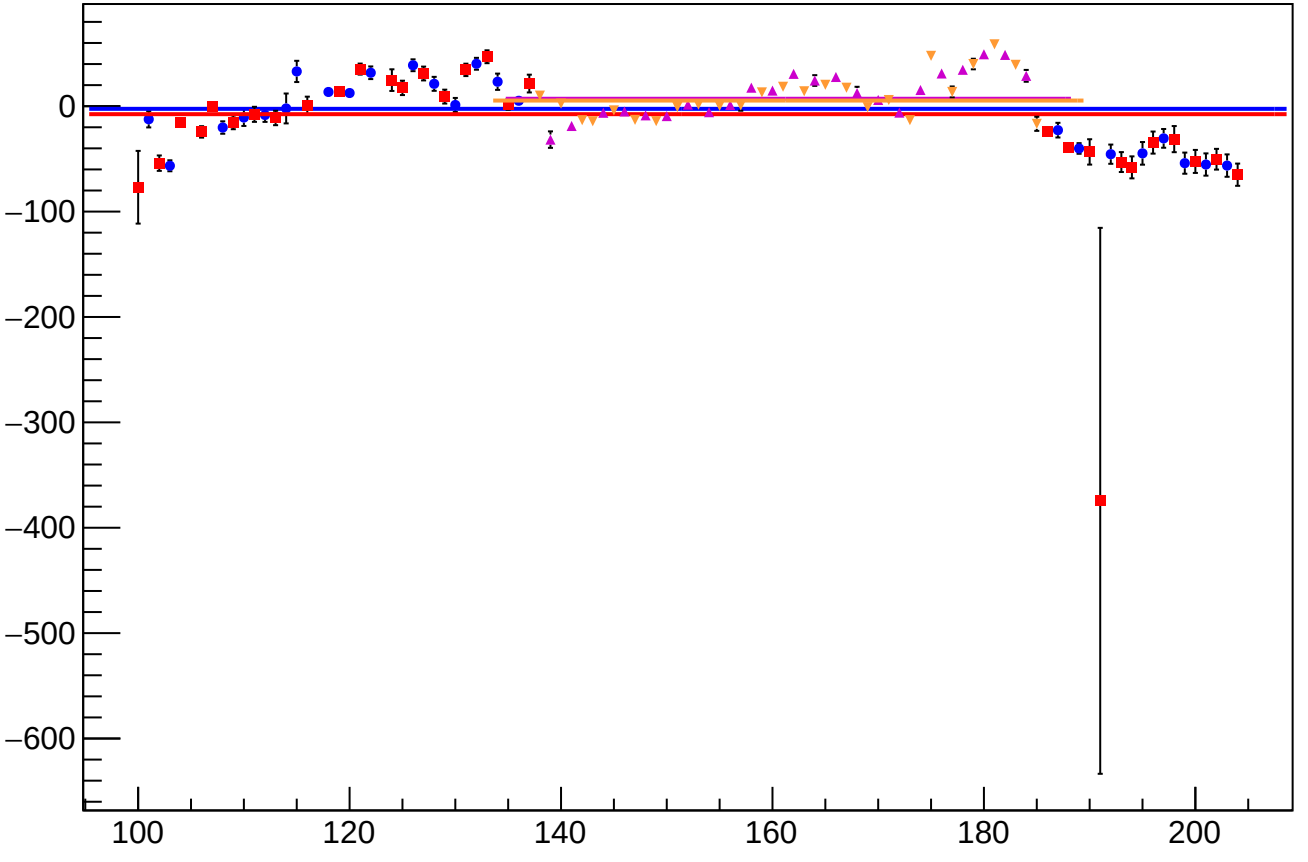
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 183.131+/-0.752 χ^2/NDF: 4725.5/48

All: 187.023+/-0.520 χ^2/NDF: 11299.3/101

- sign 190.582+/-0.719 χ^2/NDF: 6522.6/52

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -2.498+/-1.289 χ^2/NDF: 525.2/23

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -7.564+/-1.146 χ^2/NDF: 618.9/29

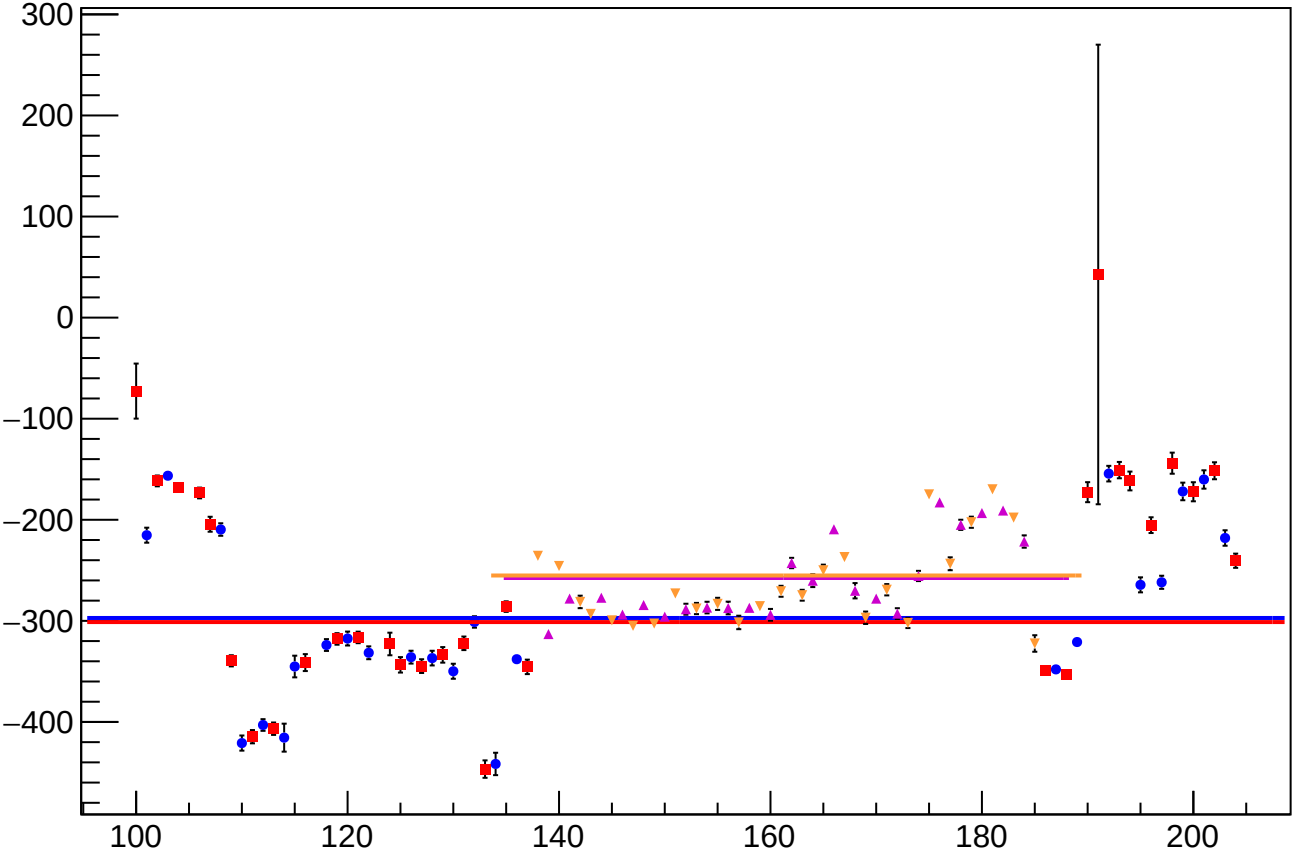
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 3.533+/-0.622 χ^2/NDF: 1363.7/48

All: 3.139+/-0.440 χ^2/NDF: 2807.9/101

- sign 2.745+/-0.622 χ^2/NDF: 1443.4/52

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -297.146+/-1.212 χ^2/NDF: 3984.2/23

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -301.197+/-1.004 χ^2/NDF: 6624.7/29

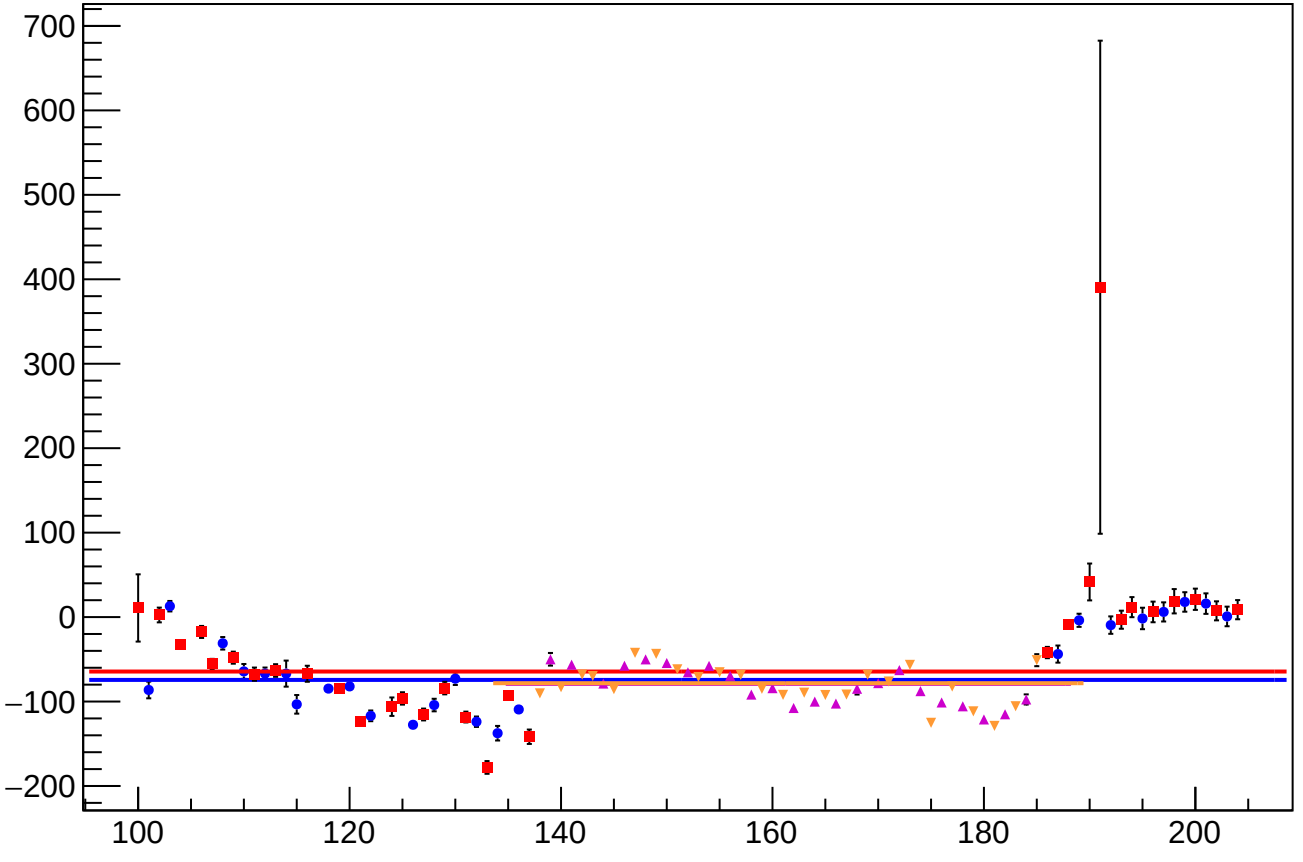
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -271.251+/-0.751 χ^2/NDF: 7070.2/48

All: -275.365+/-0.513 χ^2/NDF: 16520.1/101

- sign -278.973+/-0.703 χ^2/NDF: 9393.5/52

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -74.392+/-1.514 χ^2/NDF: 956.0/23

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -64.462+/-1.383 χ^2/NDF: 1228.2/29

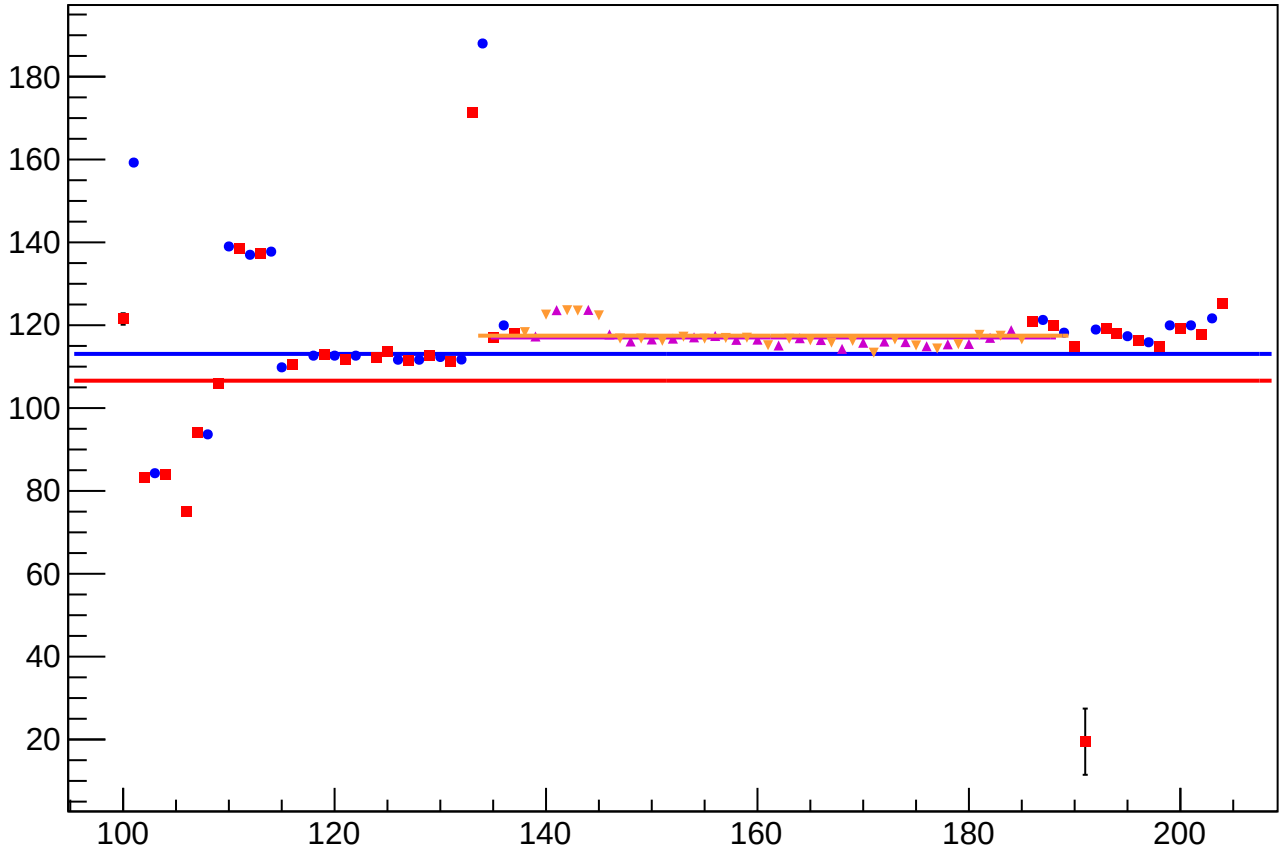
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -77.410+/-0.720 χ^2/NDF: 1829.3/48

All: -76.245+/-0.510 χ^2/NDF: 3846.5/101

- sign -75.070+/-0.723 χ^2/NDF: 2011.9/52

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 113.076+/-0.072 χ^2/NDF: 86440.6/23

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 106.610+/-0.067 χ^2/NDF: 77860.9/29

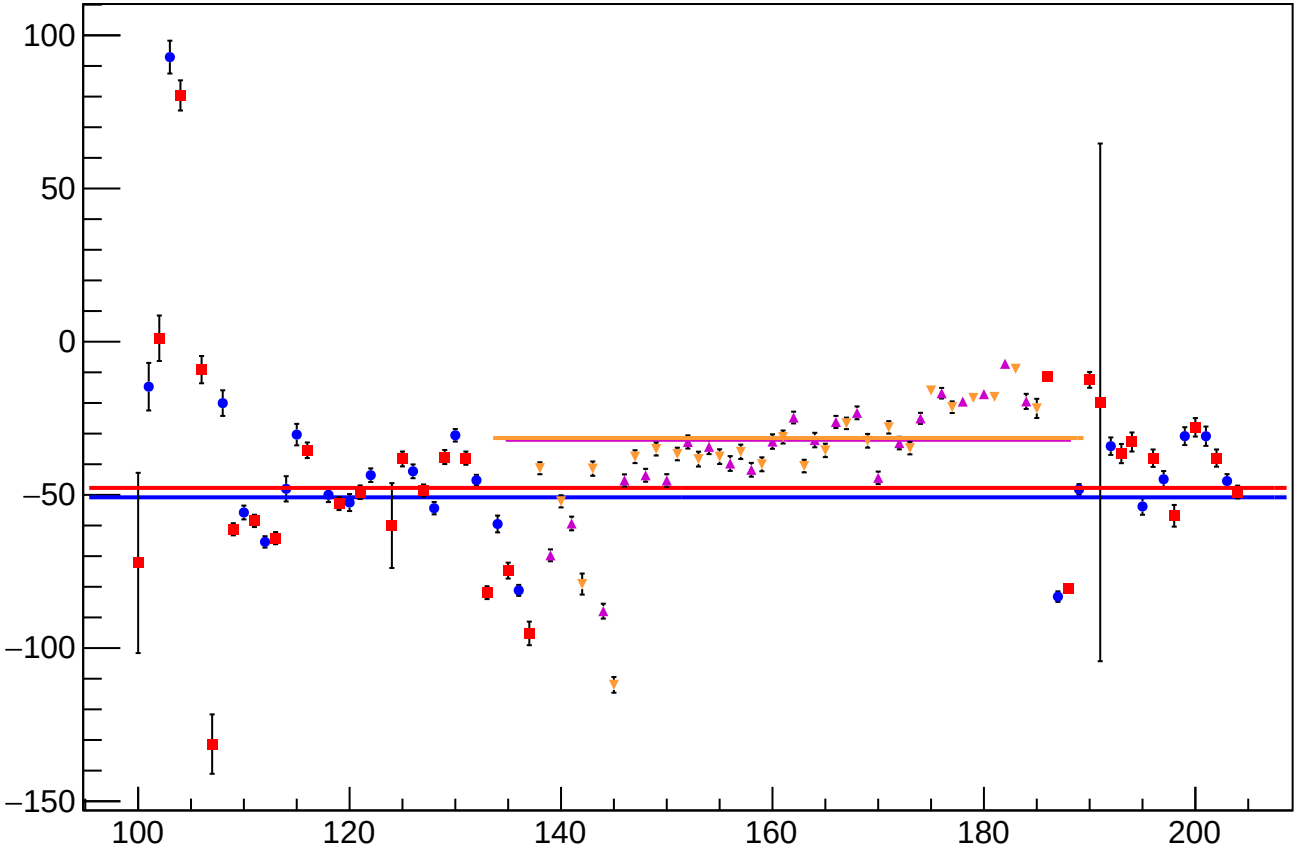
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.526+/-0.034 χ^2/NDF: 94078.8/48

All: 115.473+/-0.024 χ^2/NDF: 195506.0/101

- sign 114.435+/-0.033 χ^2/NDF: 99484.7/52

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.797+/-0.490 χ^2/NDF: 1816.2/23

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -47.724+/-0.420 χ^2/NDF: 4195.0/29

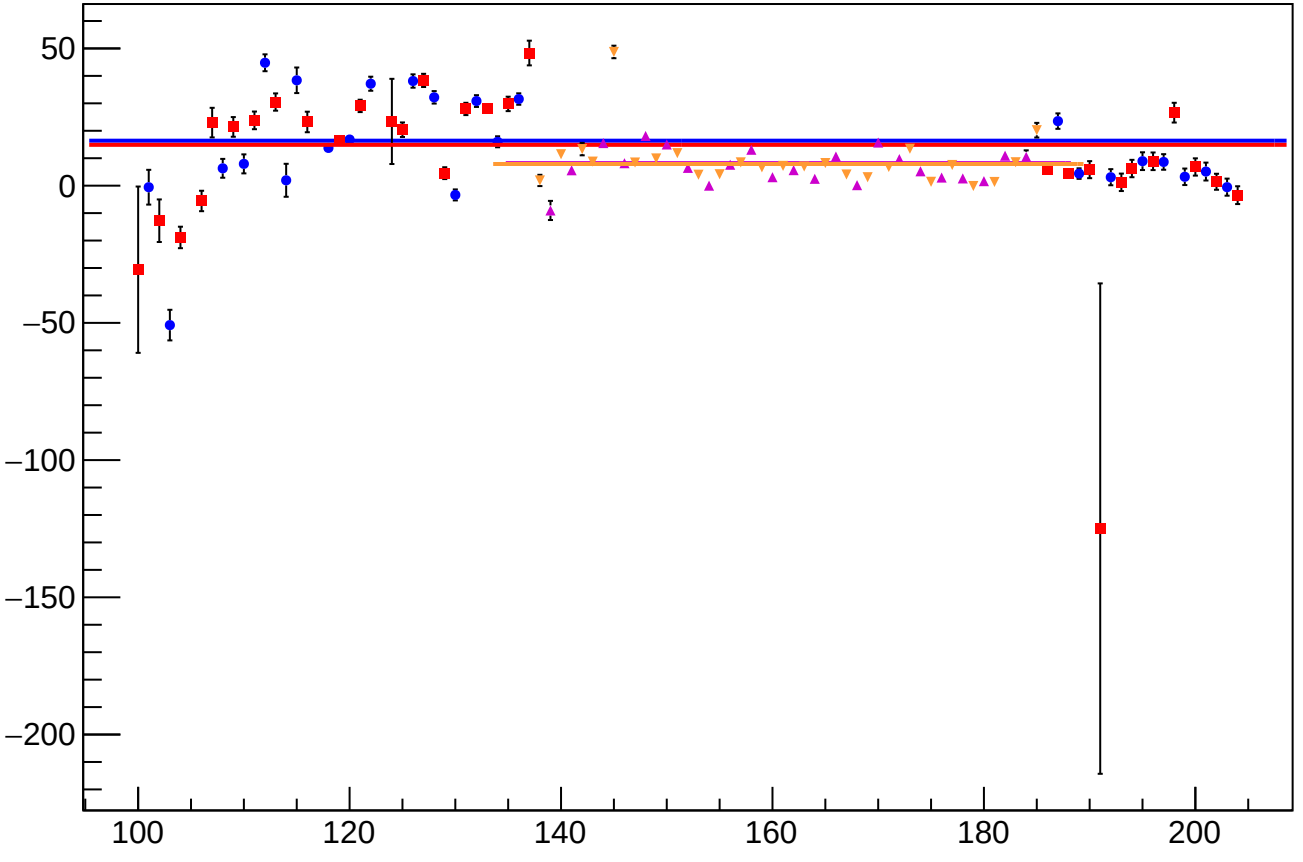
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -39.169+/-0.309 χ^2/NDF: 4746.7/48

All: -39.424+/-0.213 χ^2/NDF: 11573.3/101

- sign -39.654+/-0.293 χ^2/NDF: 6825.3/52

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 16.390+/-0.519 χ^2/NDF: 811.8/23

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 14.877+/-0.472 χ^2/NDF: 737.9/29

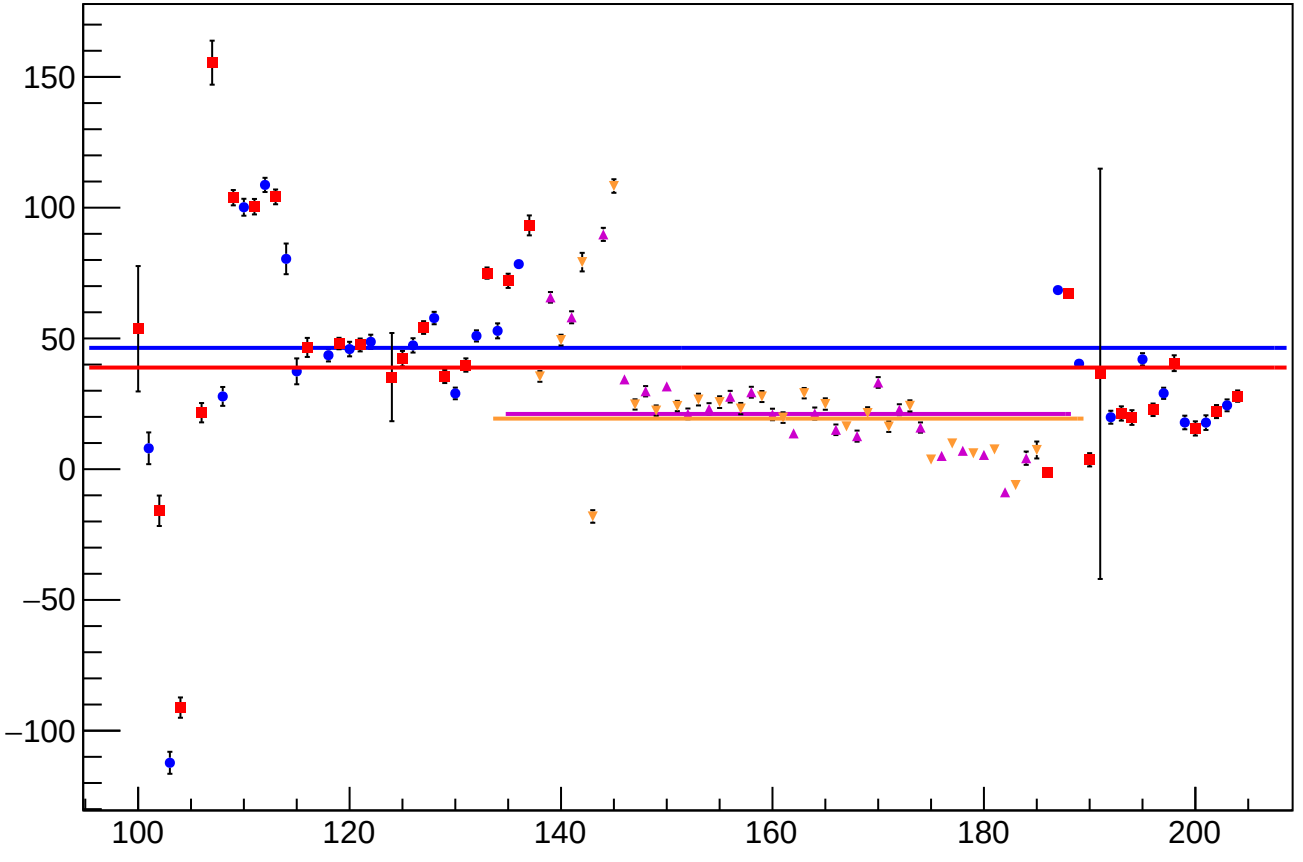
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

+ sign 10.065+/-0.262 χ^2/NDF: 1501.7/48

All: 10.172+/-0.185 χ^2/NDF: 2716.1/101

- sign 10.280+/-0.262 χ^2/NDF: 1214.1/52

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 46.388+/-0.497 χ^2/NDF: 3499.6/23

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 38.861+/-0.403 χ^2/NDF: 7567.1/29

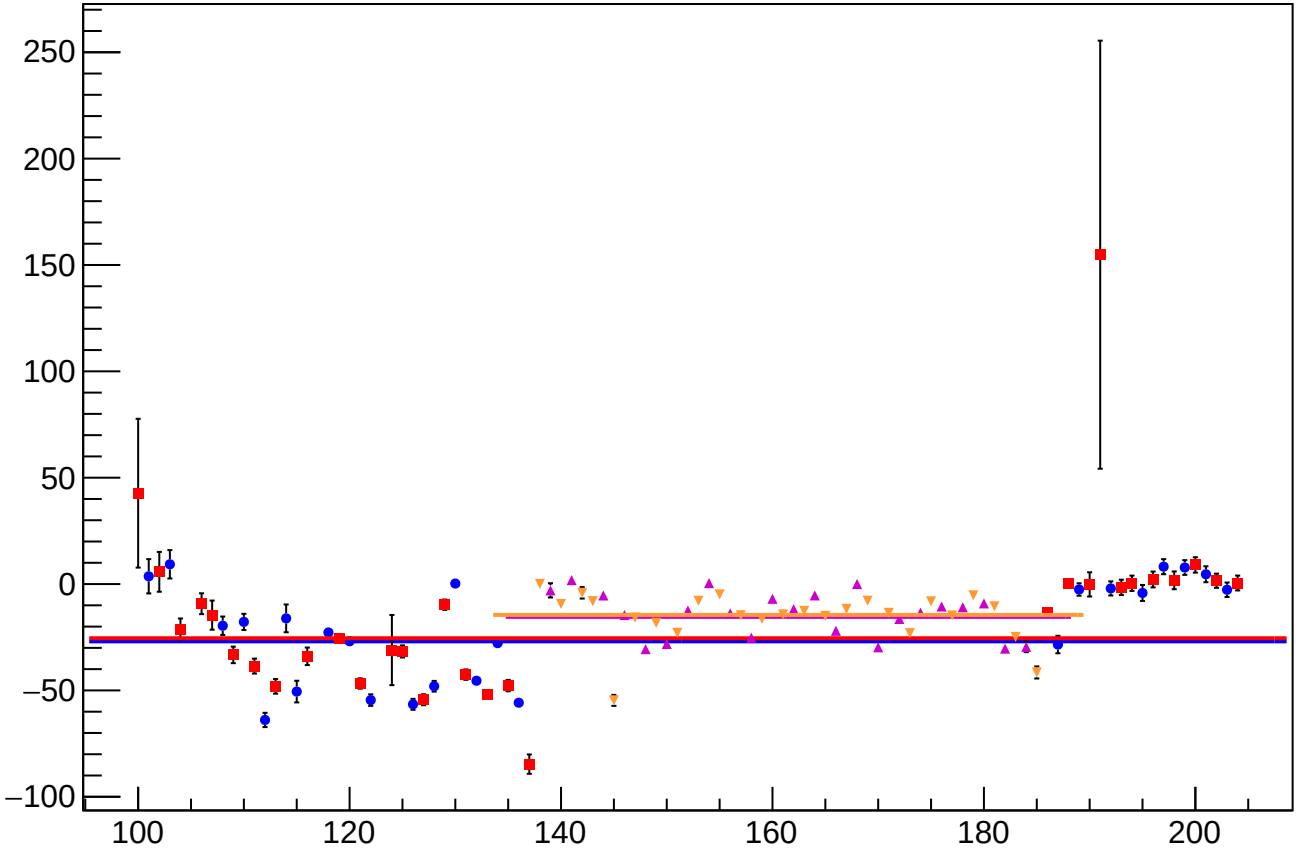
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

+ sign 29.834+/-0.309 χ^2/NDF: 7996.2/48

All: 29.944+/-0.210 χ^2/NDF: 19033.4/101

- sign 30.038+/-0.285 χ^2/NDF: 11036.9/52

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -26.933+/-0.609 χ^2/NDF: 1392.5/23

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -25.478+/-0.574 χ^2/NDF: 1453.0/29

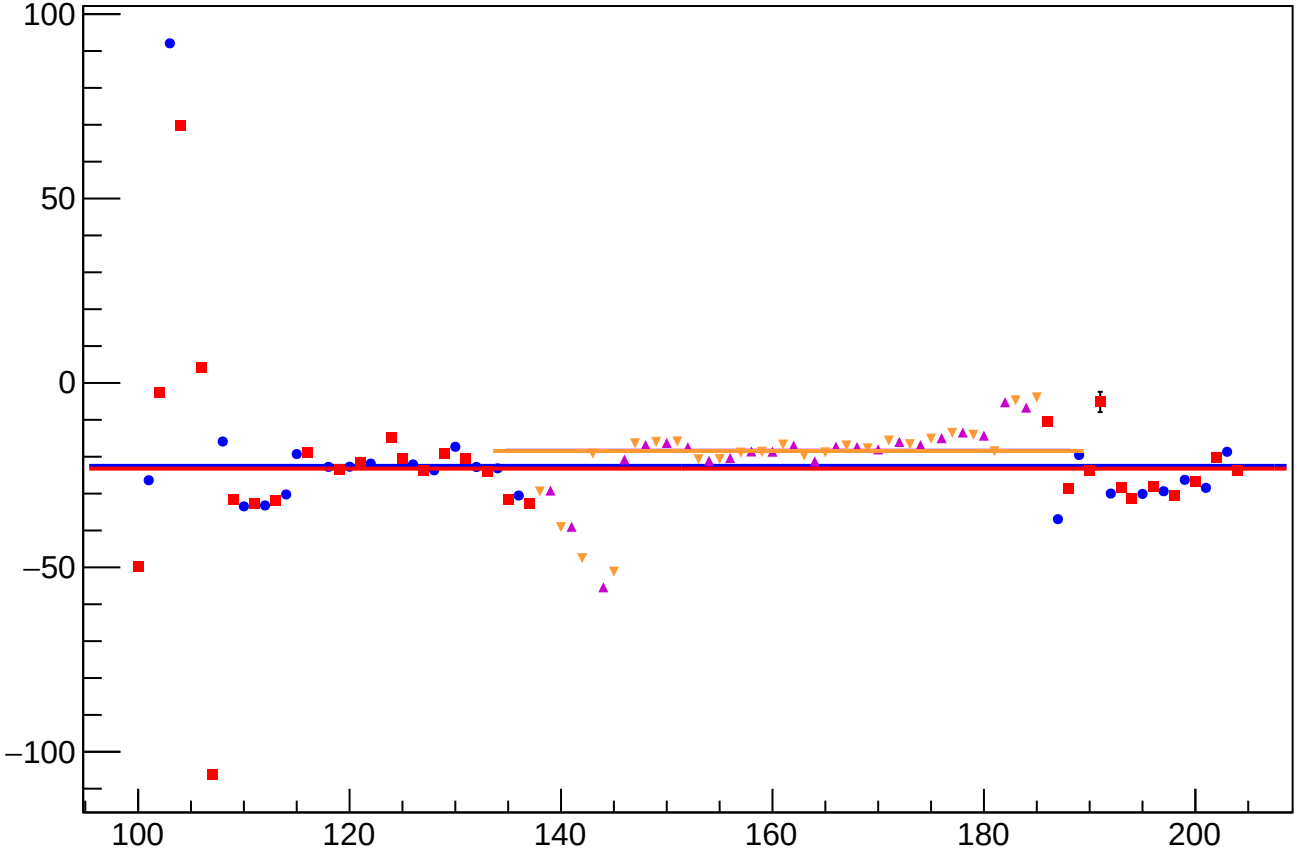
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -17.511+/-0.299 χ^2/NDF: 2349.7/48

All: -17.855+/-0.213 χ^2/NDF: 4826.4/101

- sign -18.206+/-0.302 χ^2/NDF: 2474.0/52

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -22.485+/-0.030 χ^2/NDF: 460811.1/23

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -23.231+/-0.029 χ^2/NDF: 379418.4/29

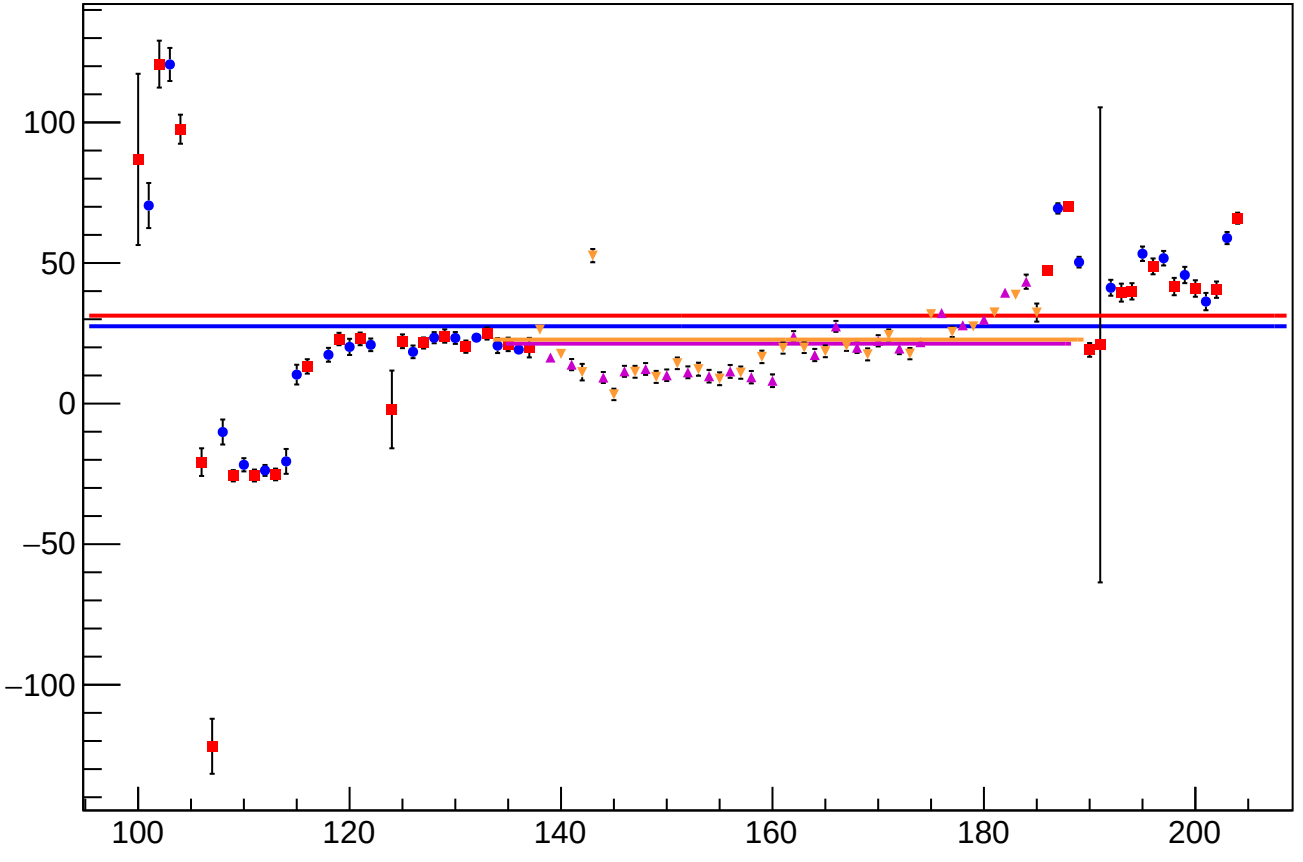
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -19.298+/-0.014 χ^2/NDF: 770456.8/48

All: -19.396+/-0.010 χ^2/NDF: 1421861.7/101

- sign -19.495+/-0.014 χ^2/NDF: 651303.2/52

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 27.502+/-0.495 χ^2/NDF: 2852.7/23

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 31.279+/-0.437 χ^2/NDF: 4981.5/29

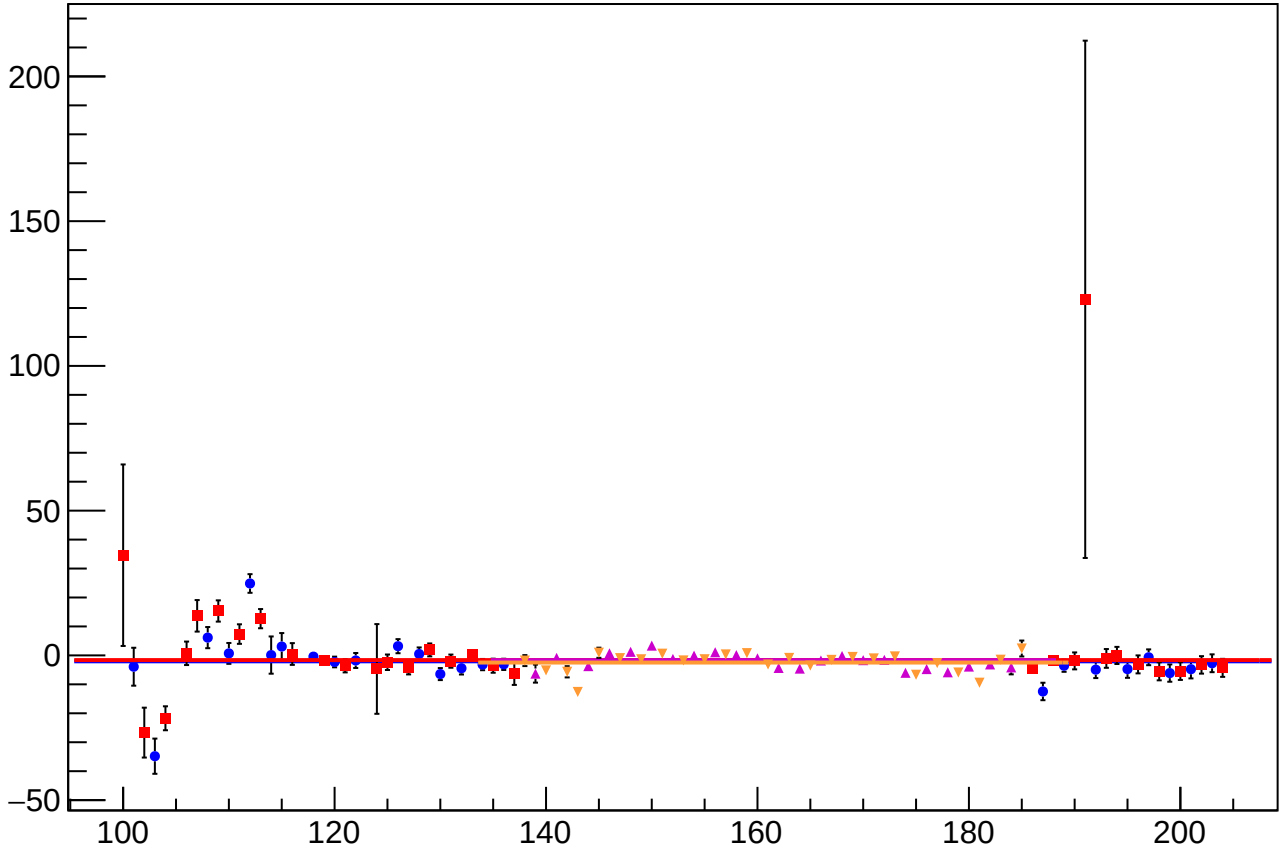
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 24.538+/-0.303 χ^2/NDF: 3632.8/48

All: 25.175+/-0.210 χ^2/NDF: 9539.4/101

- sign 25.768+/-0.292 χ^2/NDF: 5898.1/52

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.044+/-0.525 χ^2/NDF: 136.4/23

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.626+/-0.490 χ^2/NDF: 106.4/29

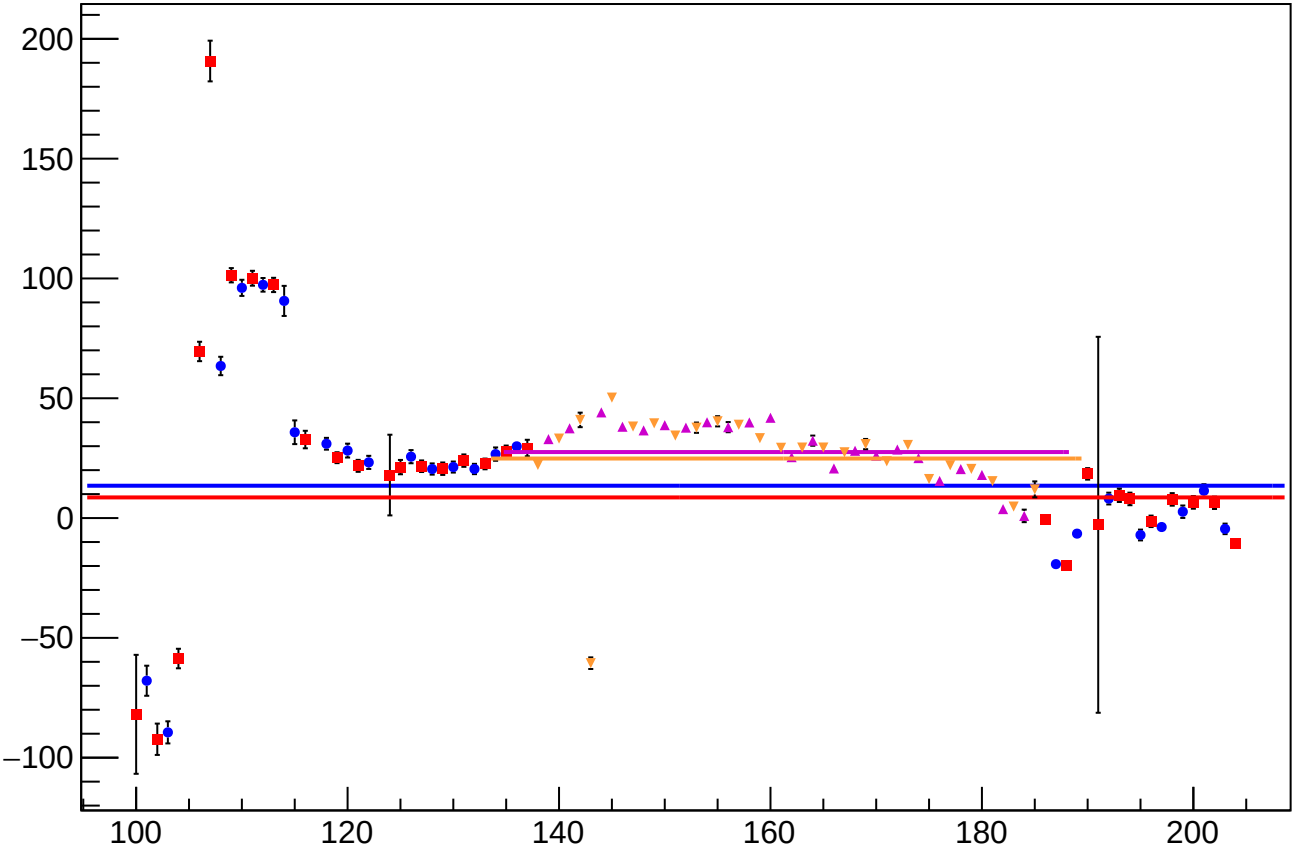
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.368+/-0.256 χ^2/NDF: 253.6/48

All: -2.012+/-0.182 χ^2/NDF: 434.1/101

- sign -1.650+/-0.258 χ^2/NDF: 176.6/52

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 13.497+/-0.504 χ^2/NDF: 3593.0/23

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 8.616+/-0.425 χ^2/NDF: 5572.2/29

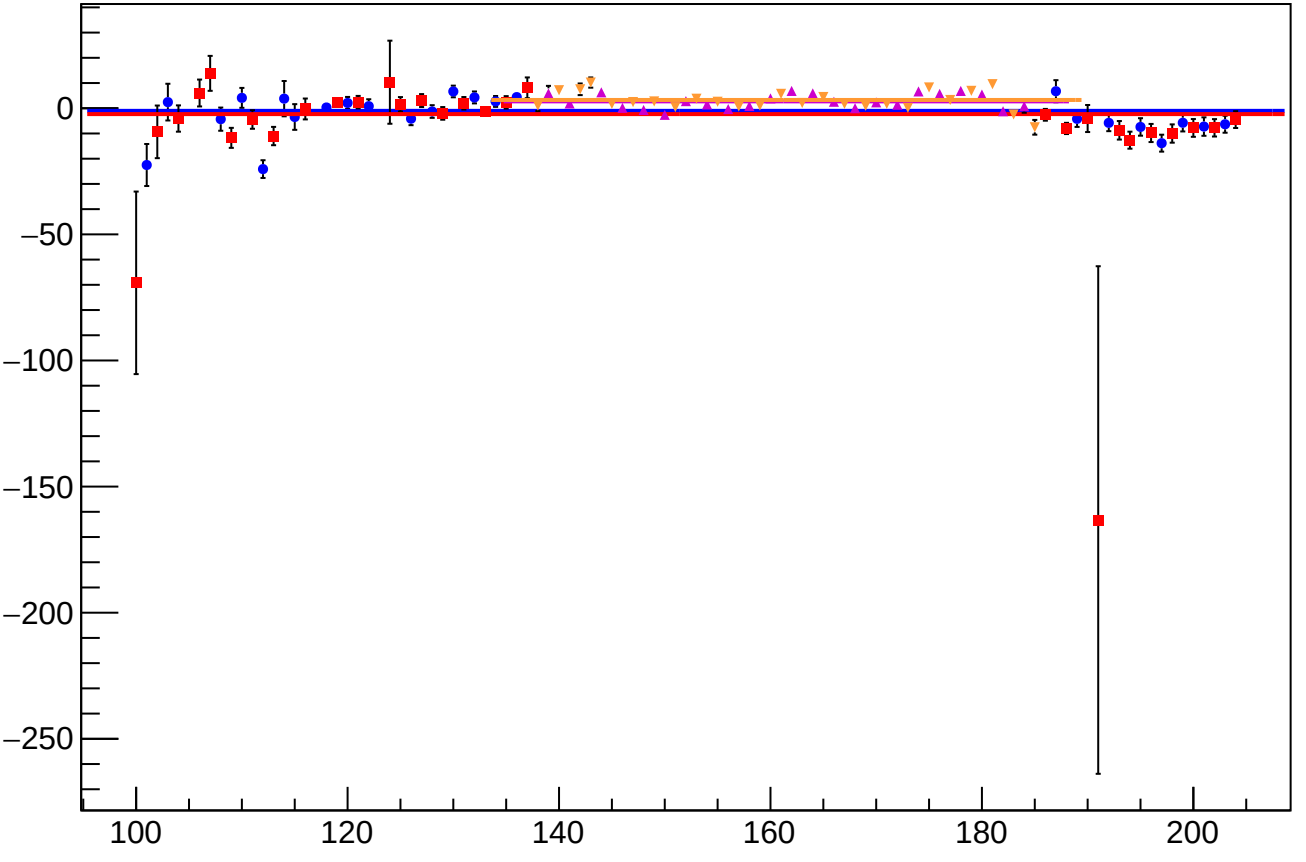
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 20.741+/-0.303 χ^2/NDF: 5965.1/48

All: 19.787+/-0.208 χ^2/NDF: 13517.1/101

- sign 18.932+/-0.287 χ^2/NDF: 7533.2/52

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.030+/-0.611 χ^2/NDF: 115.5/23

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -2.319+/-0.589 χ^2/NDF: 89.1/29

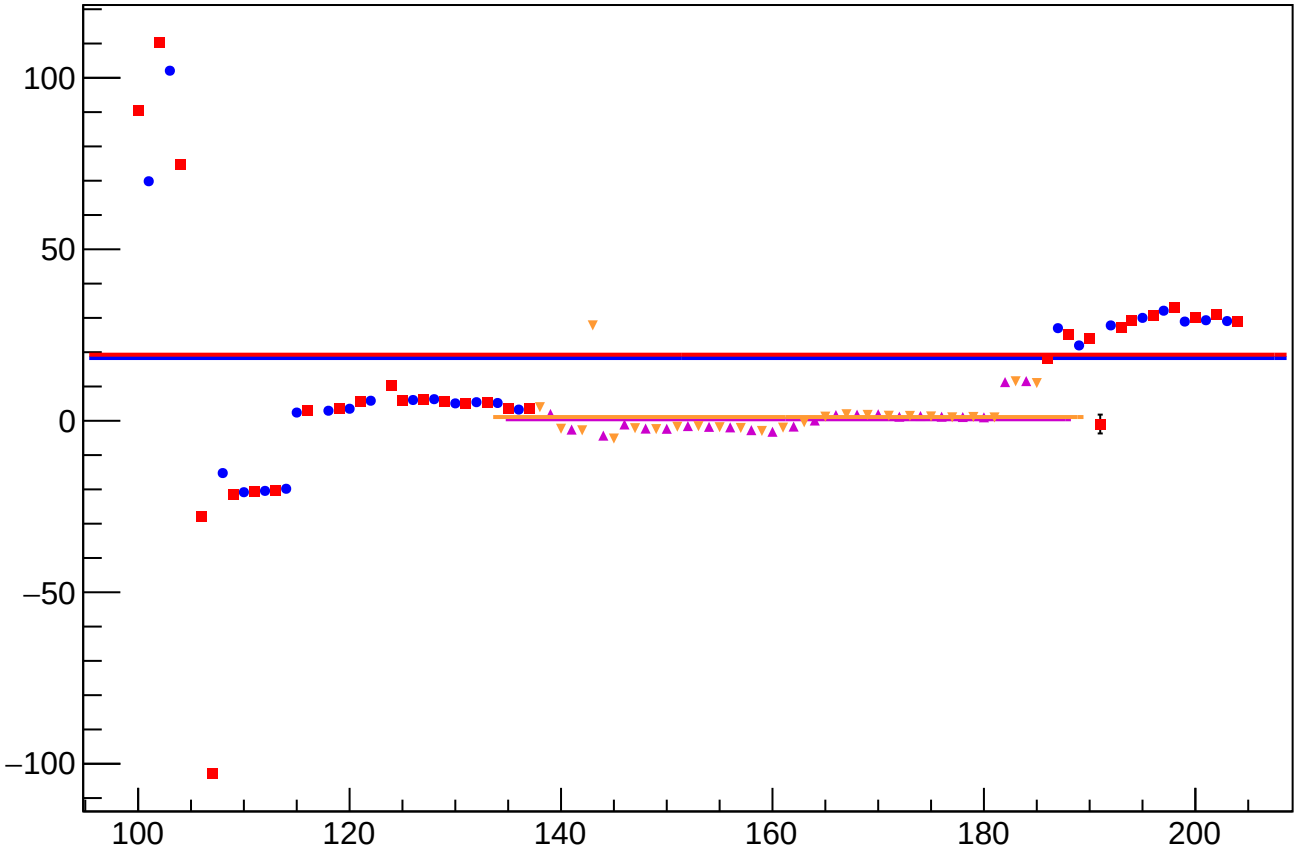
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.307+/-0.291 χ^2/NDF: 260.3/48

All: 1.887+/-0.208 χ^2/NDF: 483.1/101

- sign 1.454+/-0.296 χ^2/NDF: 218.6/52

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 18.297+/-0.030 χ^2/NDF: 461411.5/23

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 19.277+/-0.029 χ^2/NDF: 615752.7/29

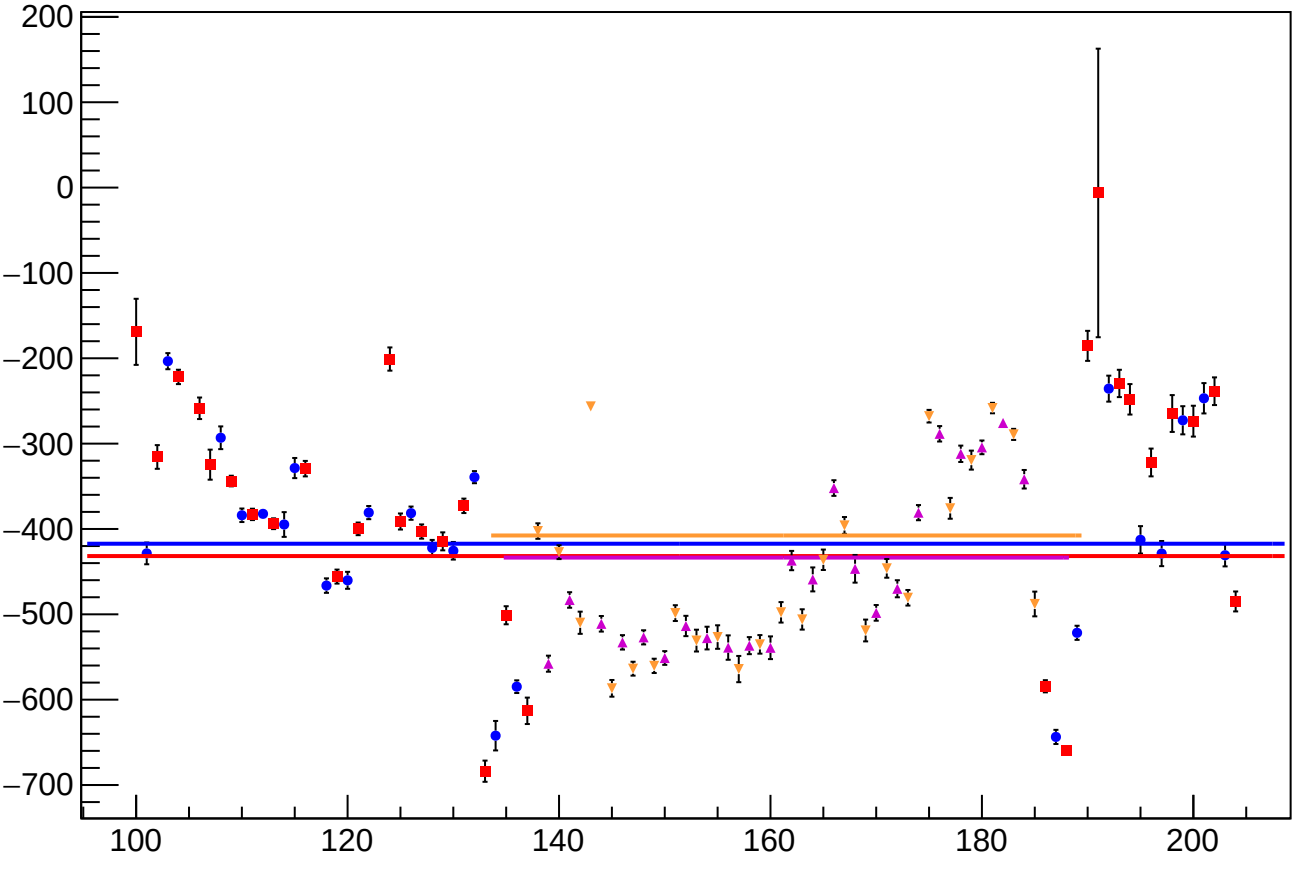
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

\+ sign 4.552+/-0.013 χ^2/NDF: 860373.1/48

All: 4.534+/-0.009 χ^2/NDF: 1866576.5/101

\- sign 4.515+/-0.013 χ^2/NDF: 1006199.7/52

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -417.287+/-1.982 χ^2/NDF: 2825.6/23

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -431.741+/-1.758 χ^2/NDF: 6331.5/29

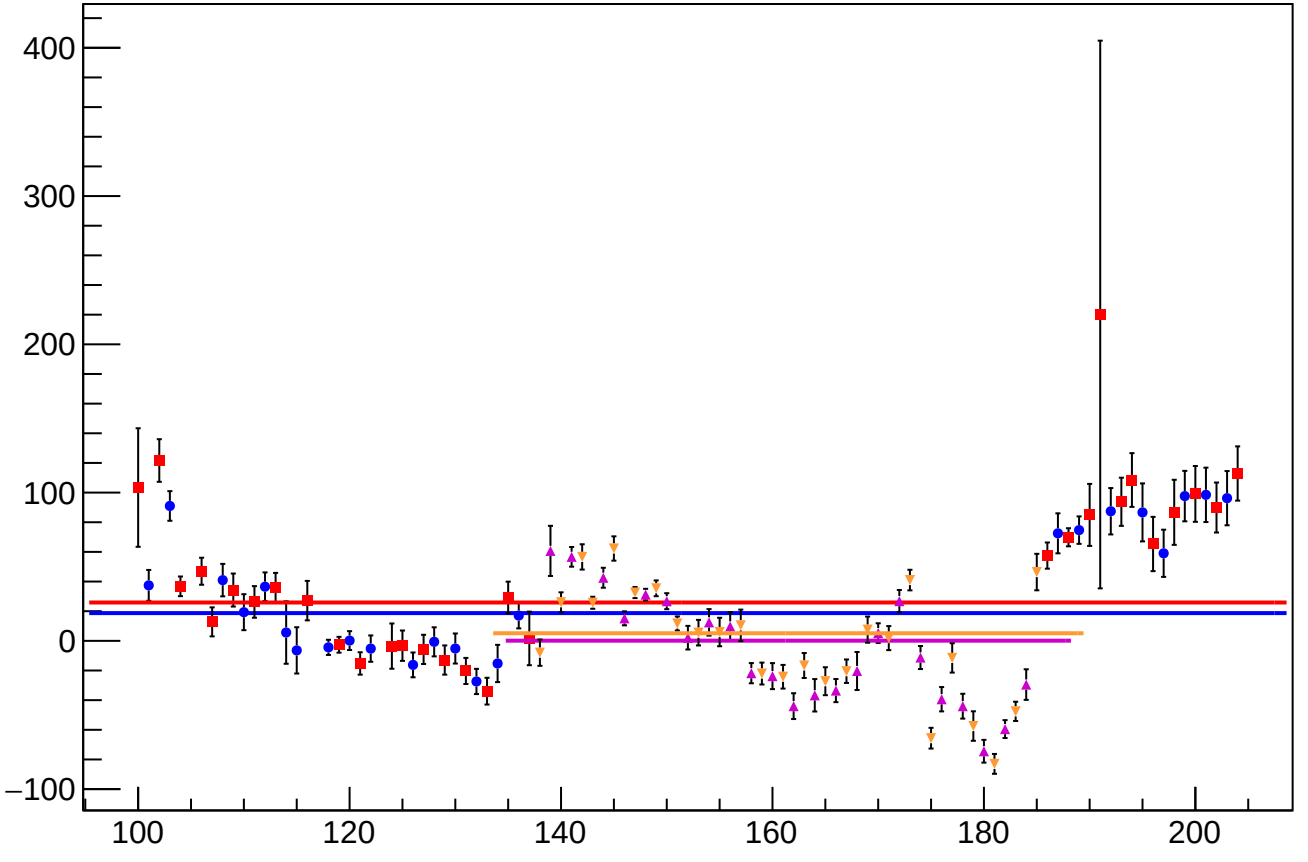
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -412.168+/-1.359 χ^2/NDF: 6843.9/48

All: -422.655+/-0.946 χ^2/NDF: 16015.9/101

- sign -432.523+/-1.319 χ^2/NDF: 9056.5/52

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 18.718+/-2.075 χ^2/NDF: 314.3/23

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 25.865+/-1.923 χ^2/NDF: 405.4/29

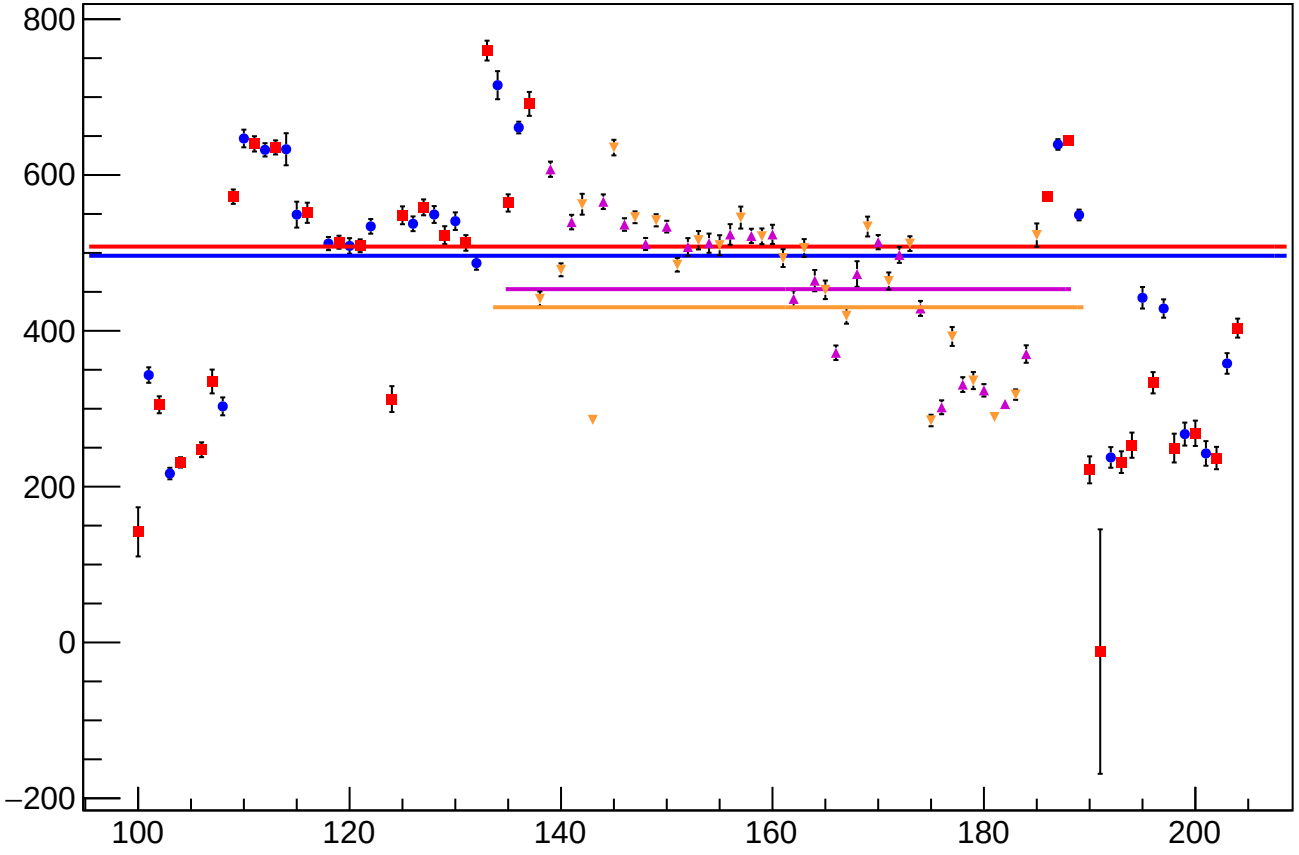
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

\+ sign 9.288+/-1.148 χ^2/NDF: 1033.3/48

All: 9.525+/-0.822 χ^2/NDF: 2119.3/101

\- sign 9.775+/-1.177 χ^2/NDF: 1086.0/52

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 496.340+/-2.059 χ^2/NDF: 4676.1/23

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 508.123+/-1.765 χ^2/NDF: 7837.5/29

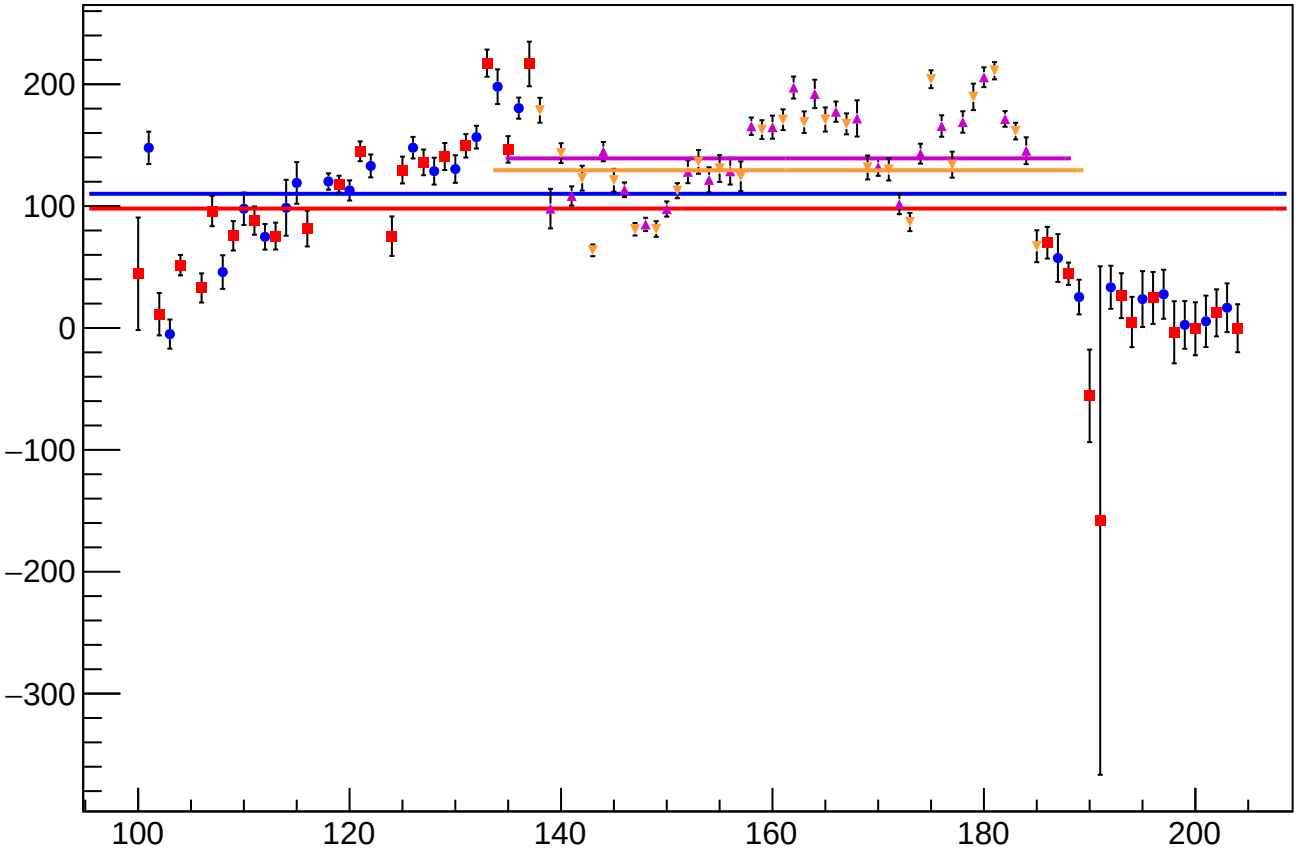
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 459.957+/-1.381 χ^2/NDF: 8648.3/48

All: 472.474+/-0.953 χ^2/NDF: 19487.8/101

- sign 483.844+/-1.316 χ^2/NDF: 10682.7/52

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 110.097+/-2.444 χ^2/NDF: 466.0/23

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 97.984+/-2.298 χ^2/NDF: 566.5/29

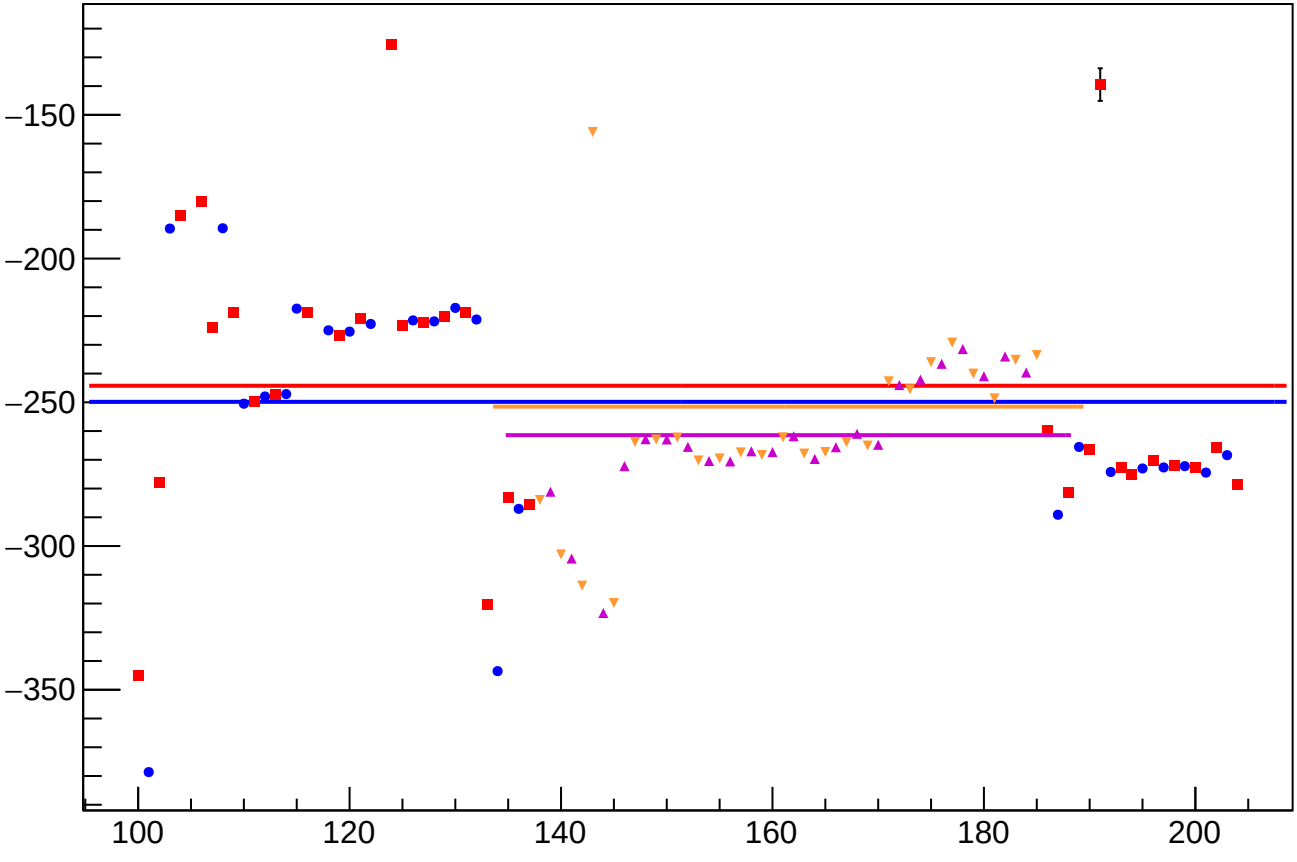
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 123.660+/-1.334 χ^2/NDF: 1324.1/48

All: 124.090+/-0.956 χ^2/NDF: 2532.2/101

- sign 124.543+/-1.369 χ^2/NDF: 1207.8/52

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -249.837+/-0.127 χ^2/NDF: 147920.0/23

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -244.240+/-0.120 χ^2/NDF: 112473.3/29

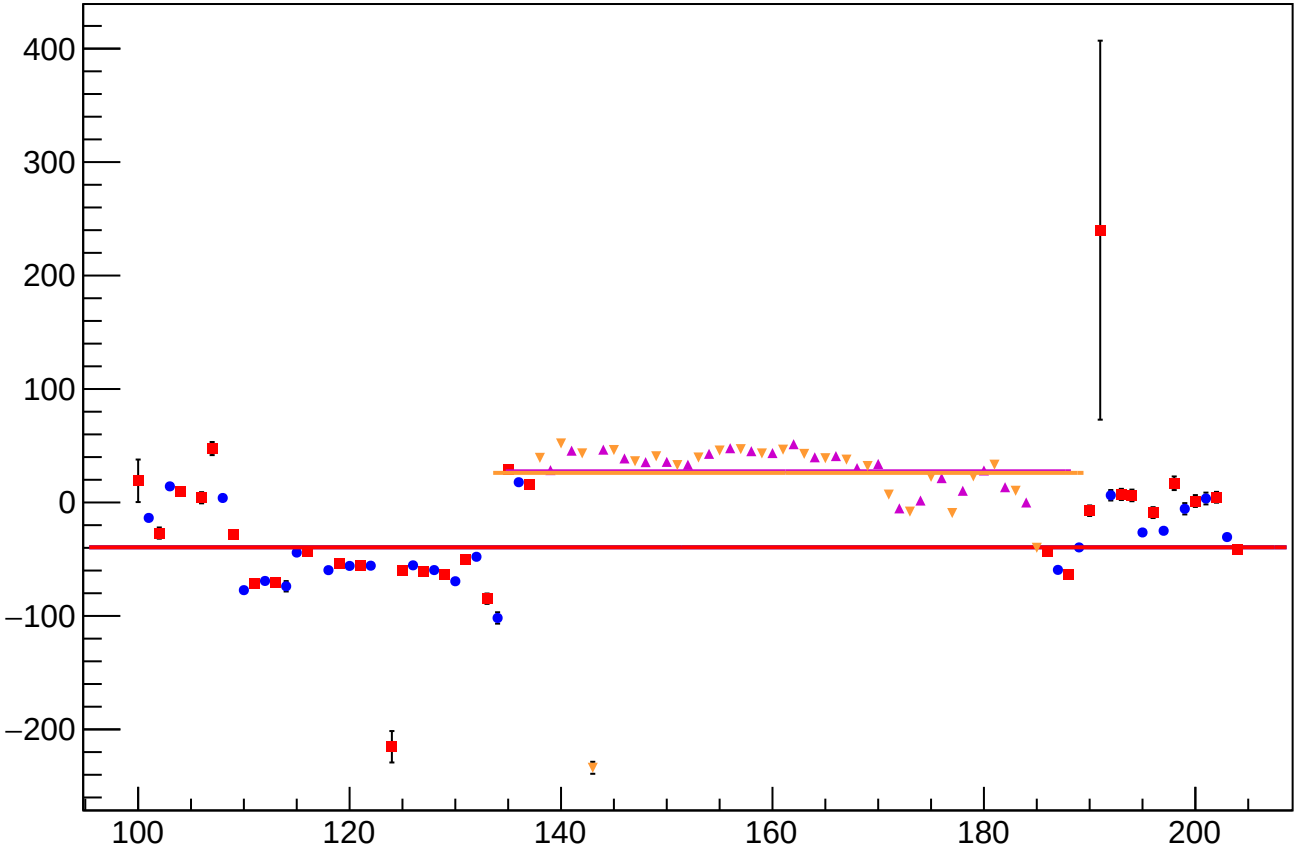
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -251.078+/-0.064 χ^2/NDF: 402973.8/48

All: -253.658+/-0.046 χ^2/NDF: 602741.9/101

- sign -256.321+/-0.065 χ^2/NDF: 196492.8/52

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -39.506+/-0.633 χ^2/NDF: 2712.2/23

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -39.515+/-0.546 χ^2/NDF: 3235.0/29

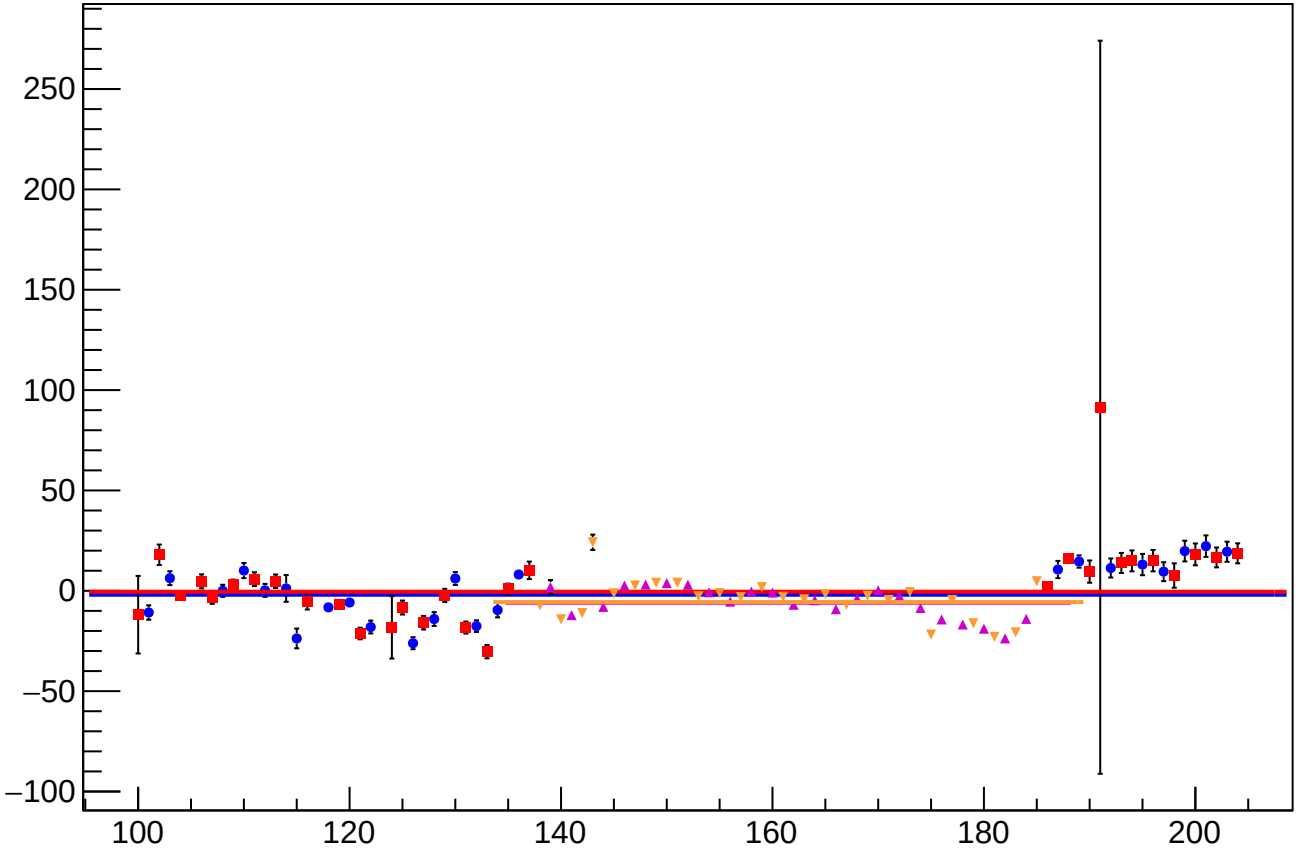
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 8.059+/-0.332 χ^2/NDF: 15284.2/48

All: 6.175+/-0.231 χ^2/NDF: 30046.1/101

- sign 4.416+/-0.321 χ^2/NDF: 14699.6/52

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -1.954+/-0.680 χ^2/NDF: 337.5/23

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -0.466+/-0.623 χ^2/NDF: 370.5/29

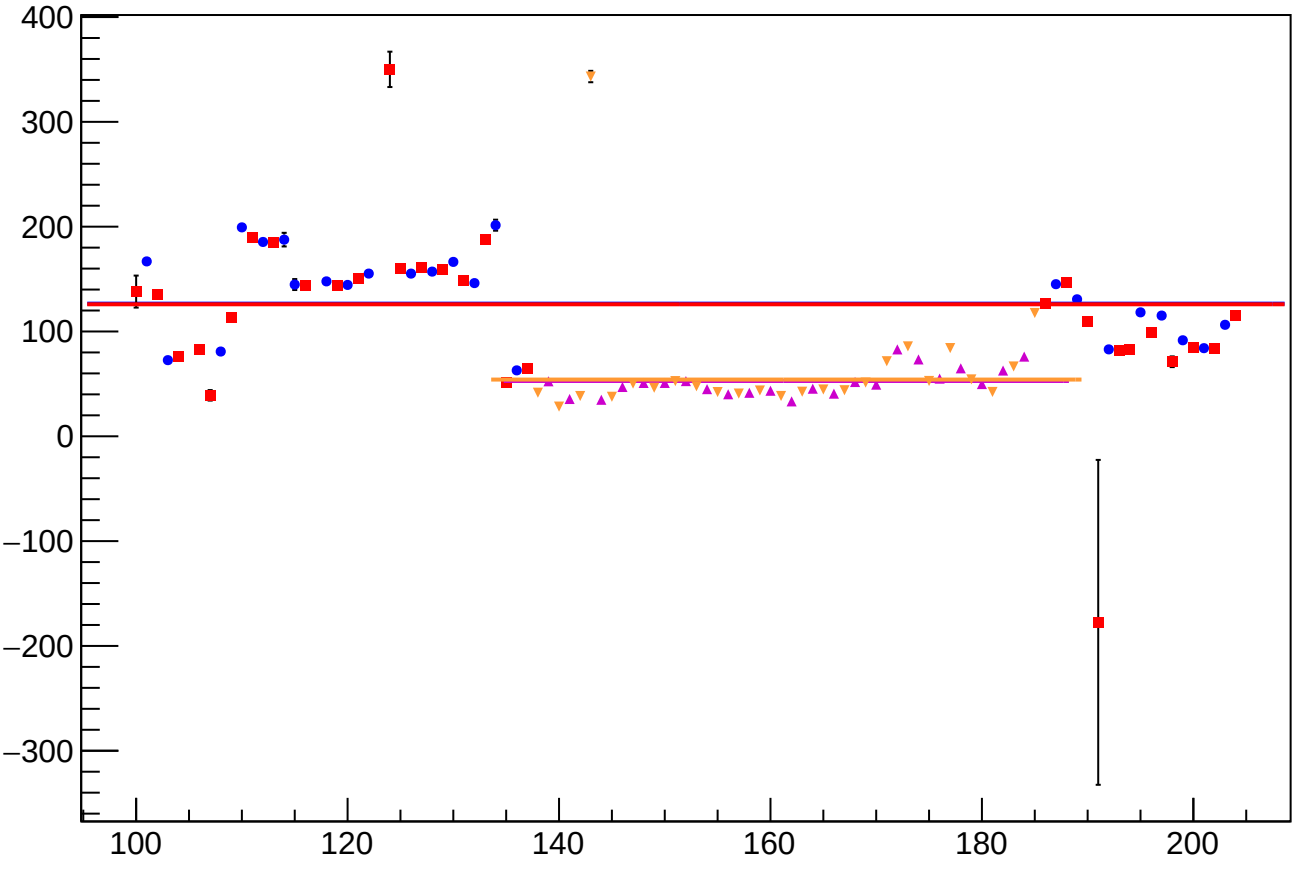
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -5.021+/-0.276 χ^2/NDF: 1255.1/48

All: -4.941+/-0.195 χ^2/NDF: 2399.9/101

- sign -4.860+/-0.277 χ^2/NDF: 1144.7/52

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 126.557+/-0.653 χ^2/NDF: 4026.9/23

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 125.945+/-0.551 χ^2/NDF: 4360.5/29

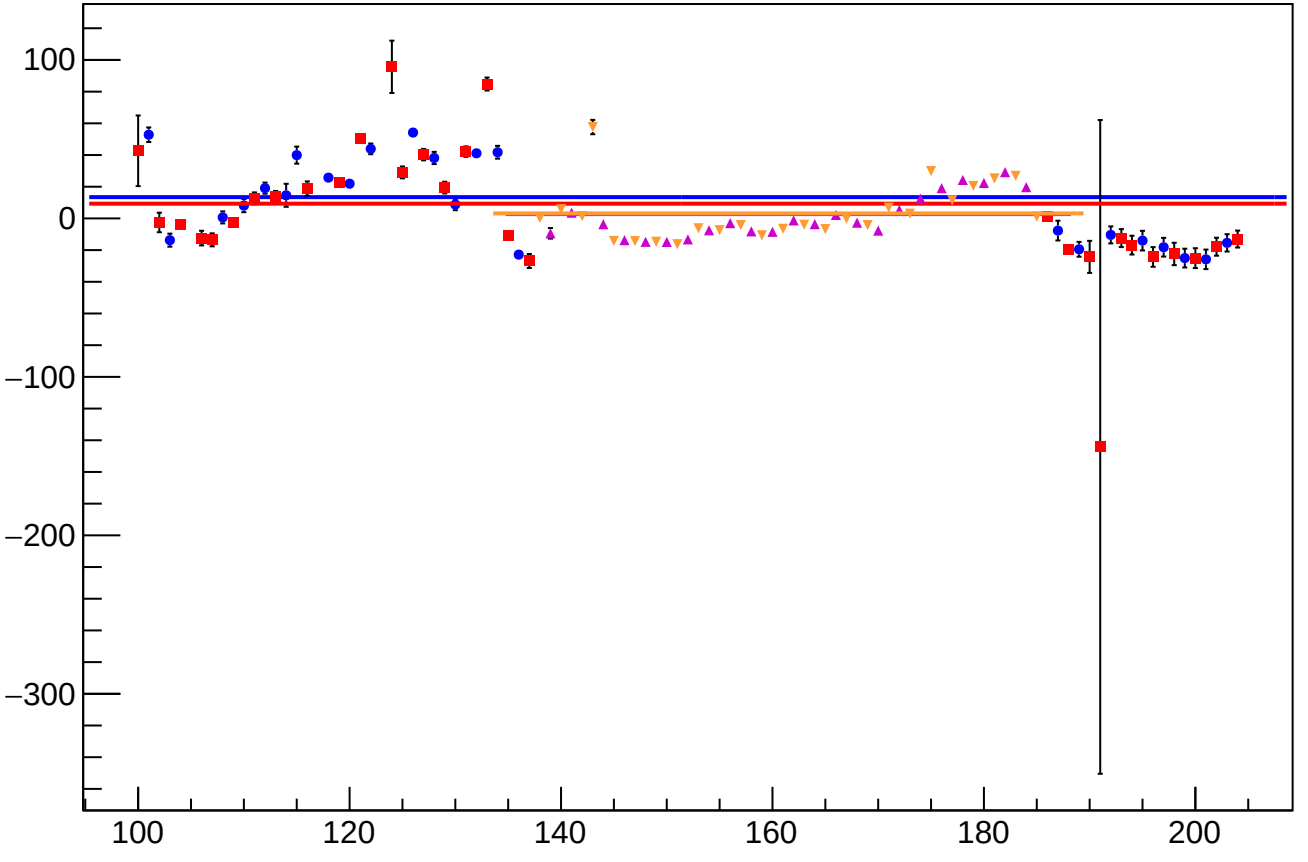
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

\+ sign 72.961+/-0.333 χ^2/NDF: 17716.5/48

All: 75.283+/-0.231 χ^2/NDF: 34834.7/101

\- sign 77.422+/-0.320 χ^2/NDF: 17024.9/52

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 13.425+/-0.790 χ^2/NDF: 1140.1/23

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 9.292+/-0.742 χ^2/NDF: 1266.6/29

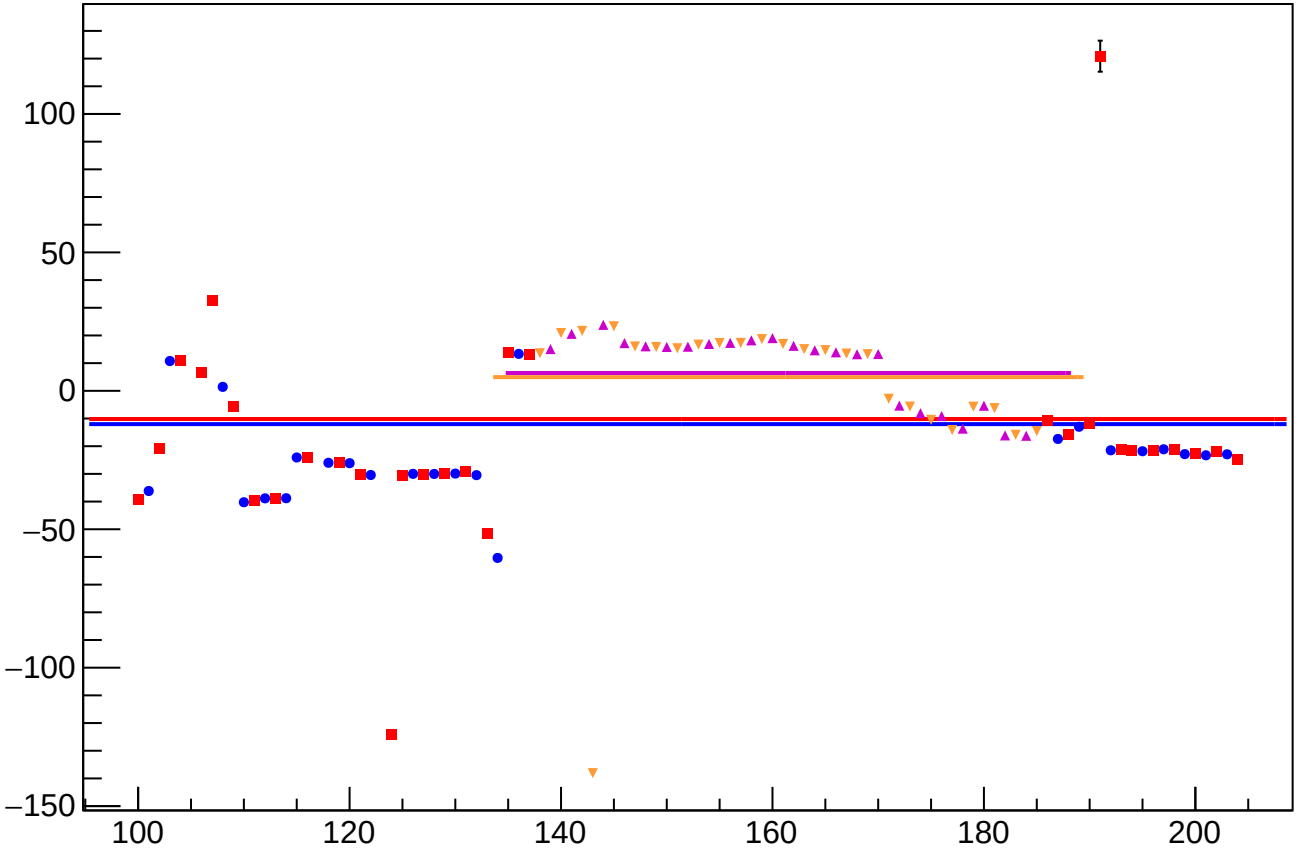
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

\+ sign 4.758+/-0.312 χ^2/NDF: 3295.0/48

All: 4.331+/-0.221 χ^2/NDF: 6364.8/101

\- sign 3.899+/-0.314 χ^2/NDF: 3066.0/52

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -12.027+/-0.038 χ^2/NDF: 294616.8/23

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -10.180+/-0.037 χ^2/NDF: 273222.5/29

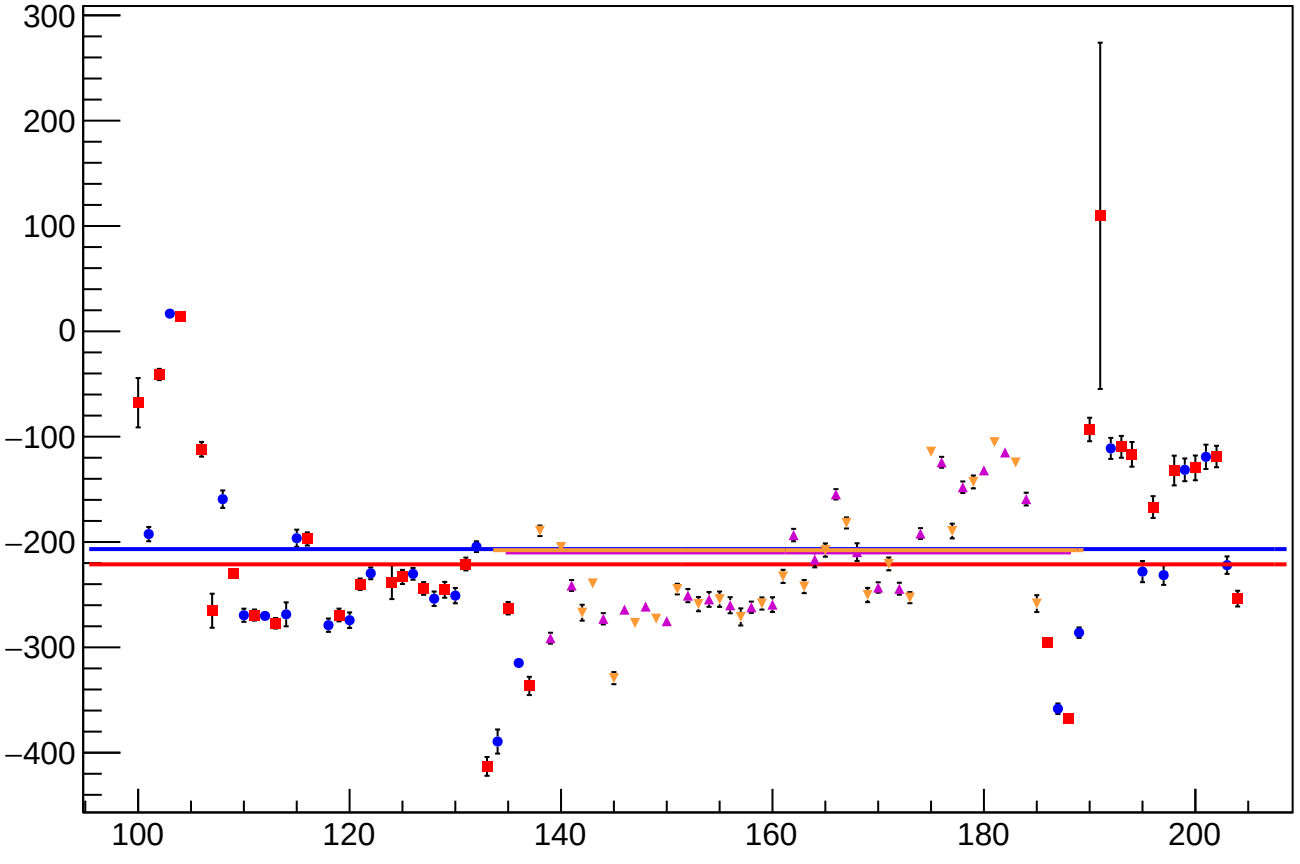
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 2.615+/-0.014 χ^2/NDF: 1601949.5/48

All: 3.310+/-0.010 χ^2/NDF: 2781788.3/101

- sign 4.009+/-0.014 χ^2/NDF: 1174985.5/52

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -206.725+/-1.251 χ^2/NDF: 8728.3/23

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -221.212+/-1.111 χ^2/NDF: 12187.9/29

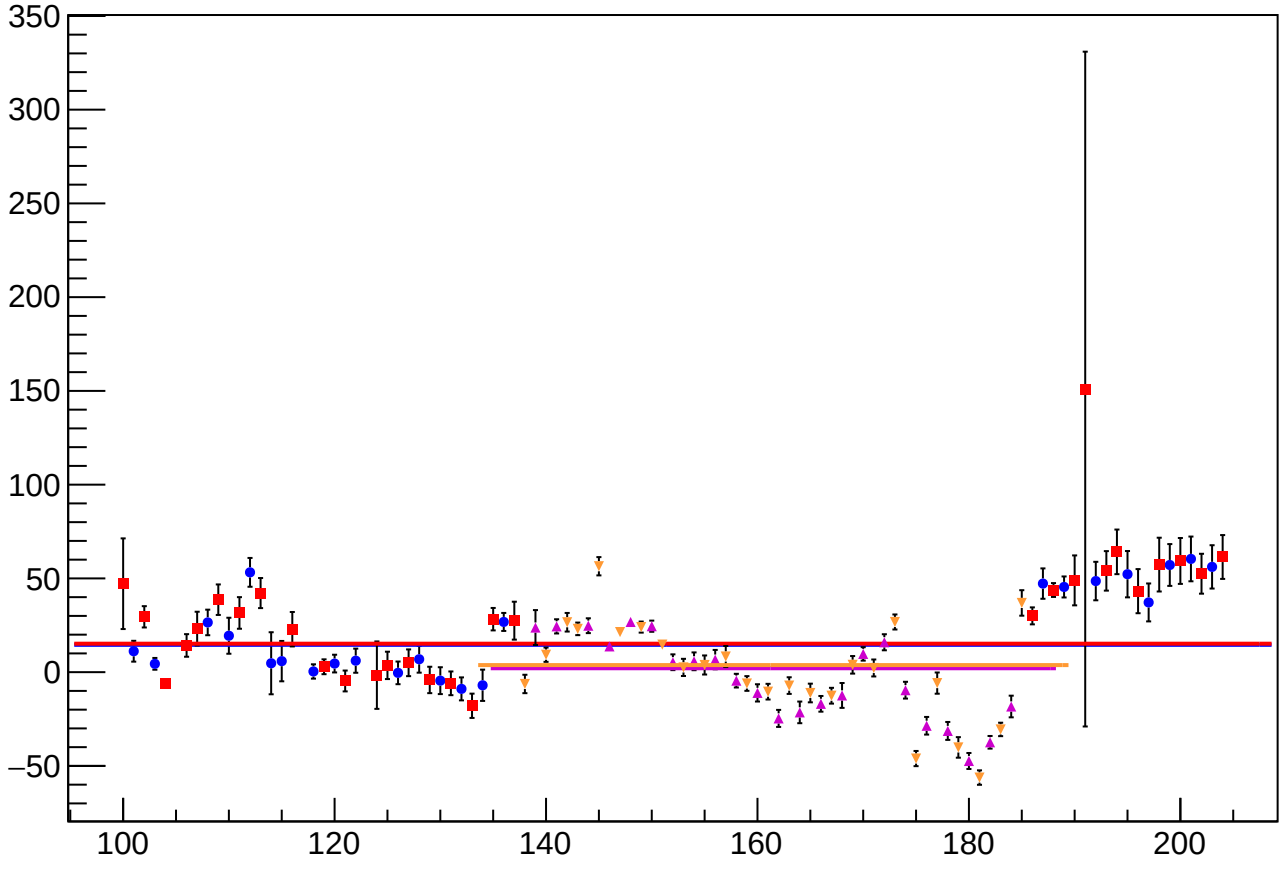
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -207.314+/-0.813 χ^2/NDF: 12215.8/48

All: -211.561+/-0.564 χ^2/NDF: 27520.7/101

- sign -215.492+/-0.782 χ^2/NDF: 15252.3/52

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 14.576+/-1.314 χ^2/NDF: 216.9/23

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 15.180+/-1.176 χ^2/NDF: 353.0/29

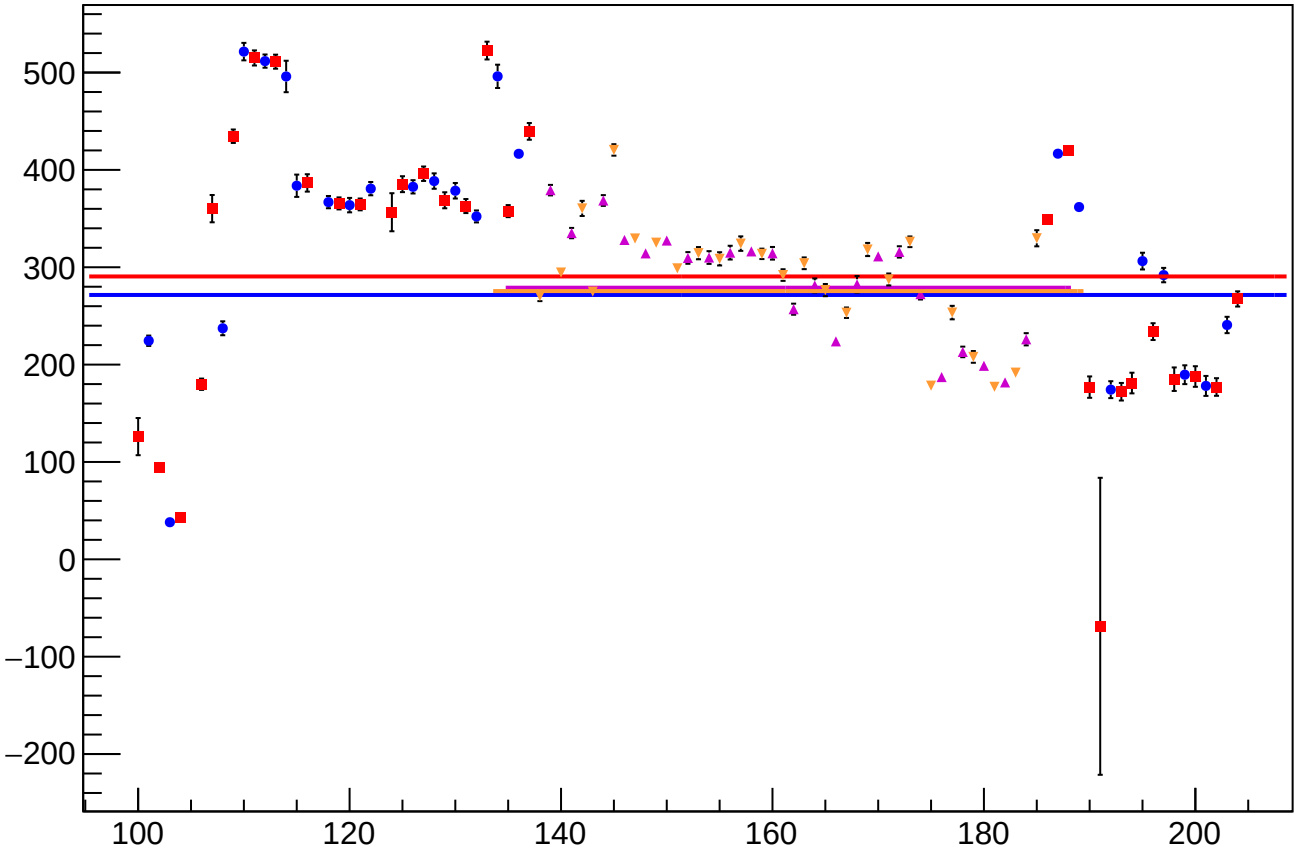
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

+ sign 6.624+/-0.675 χ^2/NDF: 1238.8/48

All: 6.494+/-0.477 χ^2/NDF: 2445.6/101

- sign 6.365+/-0.673 χ^2/NDF: 1206.7/52

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 271.540+/-1.203 χ^2/NDF: 17594.5/23

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 290.547+/-1.040 χ^2/NDF: 21889.3/29

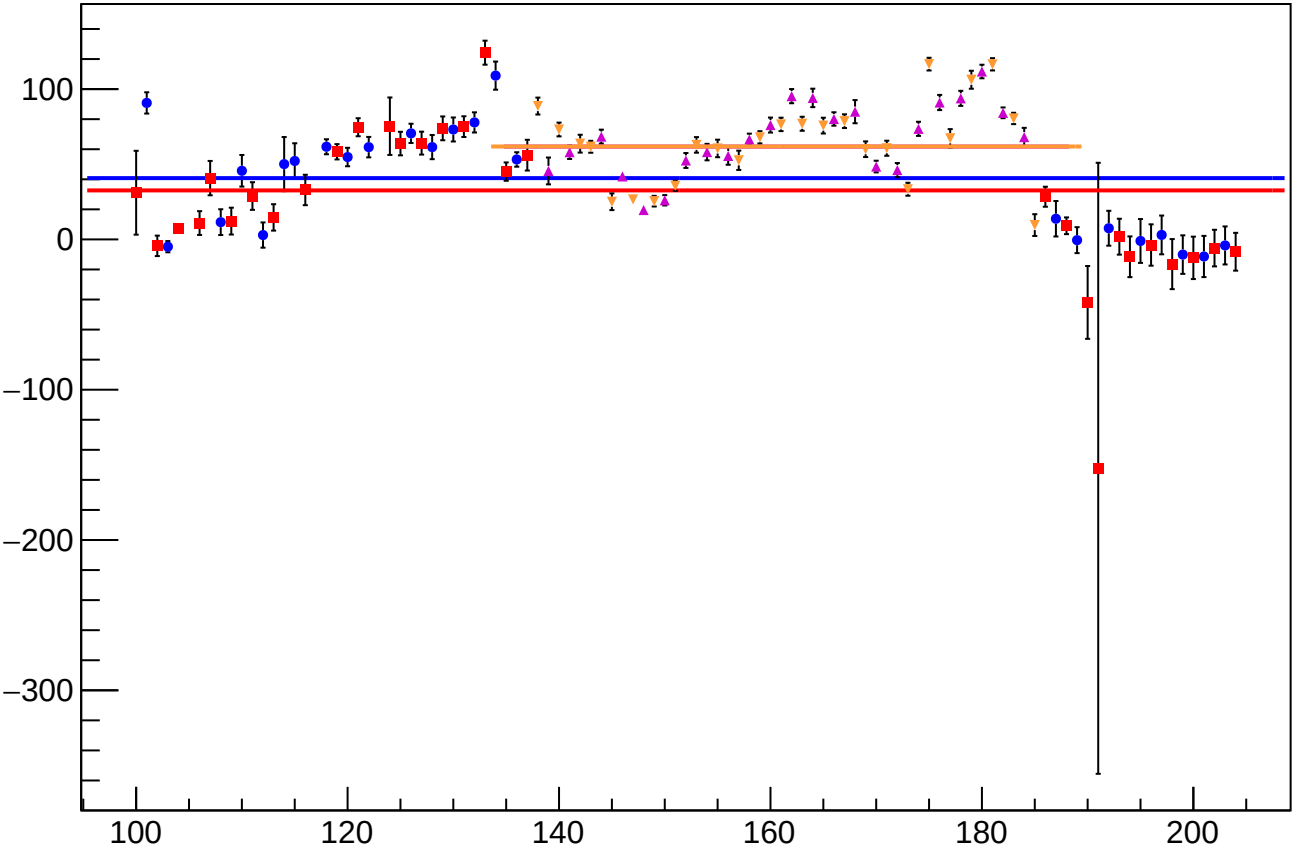
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

\+ sign 273.785+/-0.796 χ^2/NDF: 20923.8/48

All: 279.729+/-0.547 χ^2/NDF: 46092.2/101

\- sign 285.034+/-0.752 χ^2/NDF: 25062.9/52

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 40.779+/-1.551 χ^2/NDF: 495.8/23

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 32.602+/-1.431 χ^2/NDF: 525.1/29

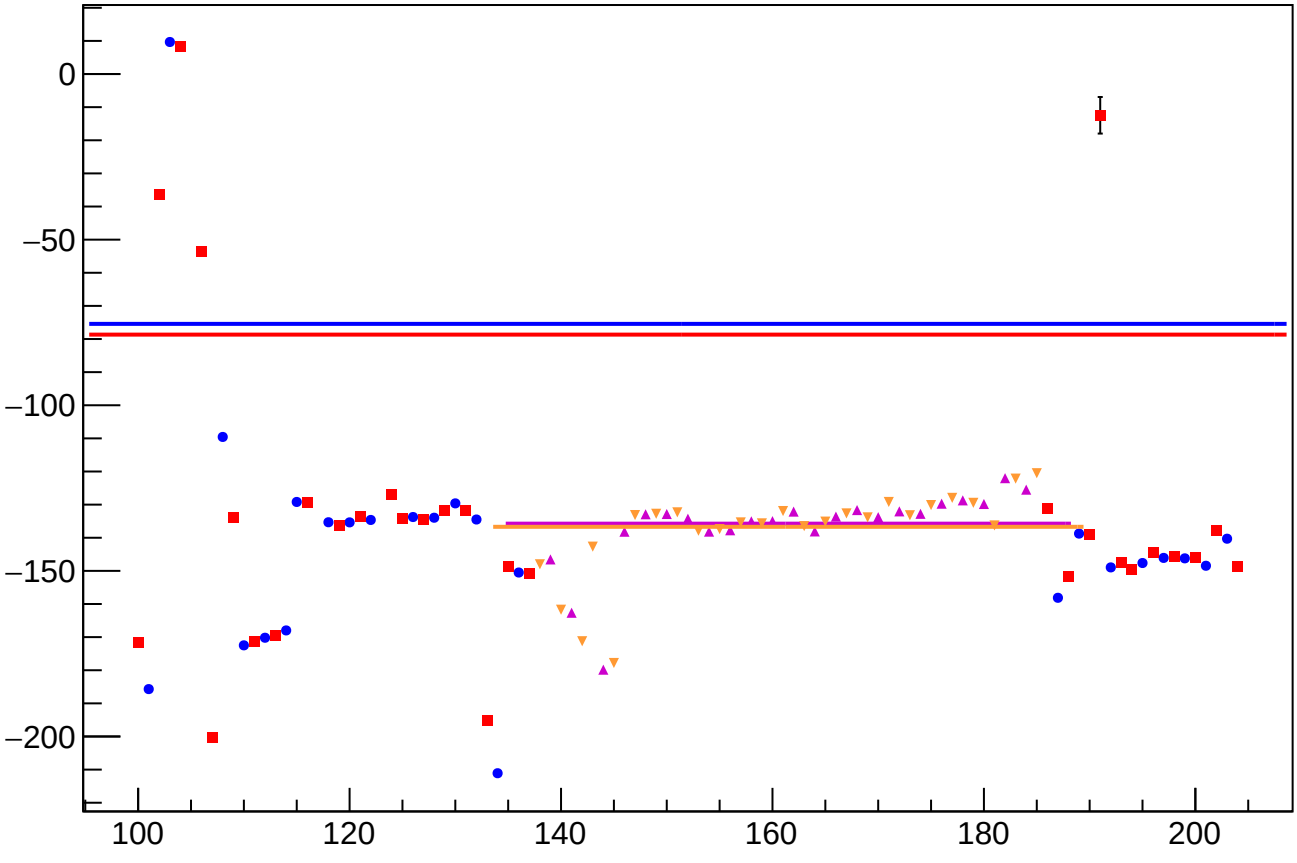
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

\+ sign 56.450+/-0.783 χ^2/NDF: 1592.4/48

All: 54.722+/-0.554 χ^2/NDF: 3153.8/101

\- sign 52.987+/-0.785 χ^2/NDF: 1551.6/52

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -75.428+/-0.065 χ^2/NDF: 1500402.5/23

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -78.671+/-0.065 χ^2/NDF: 1210367.3/29

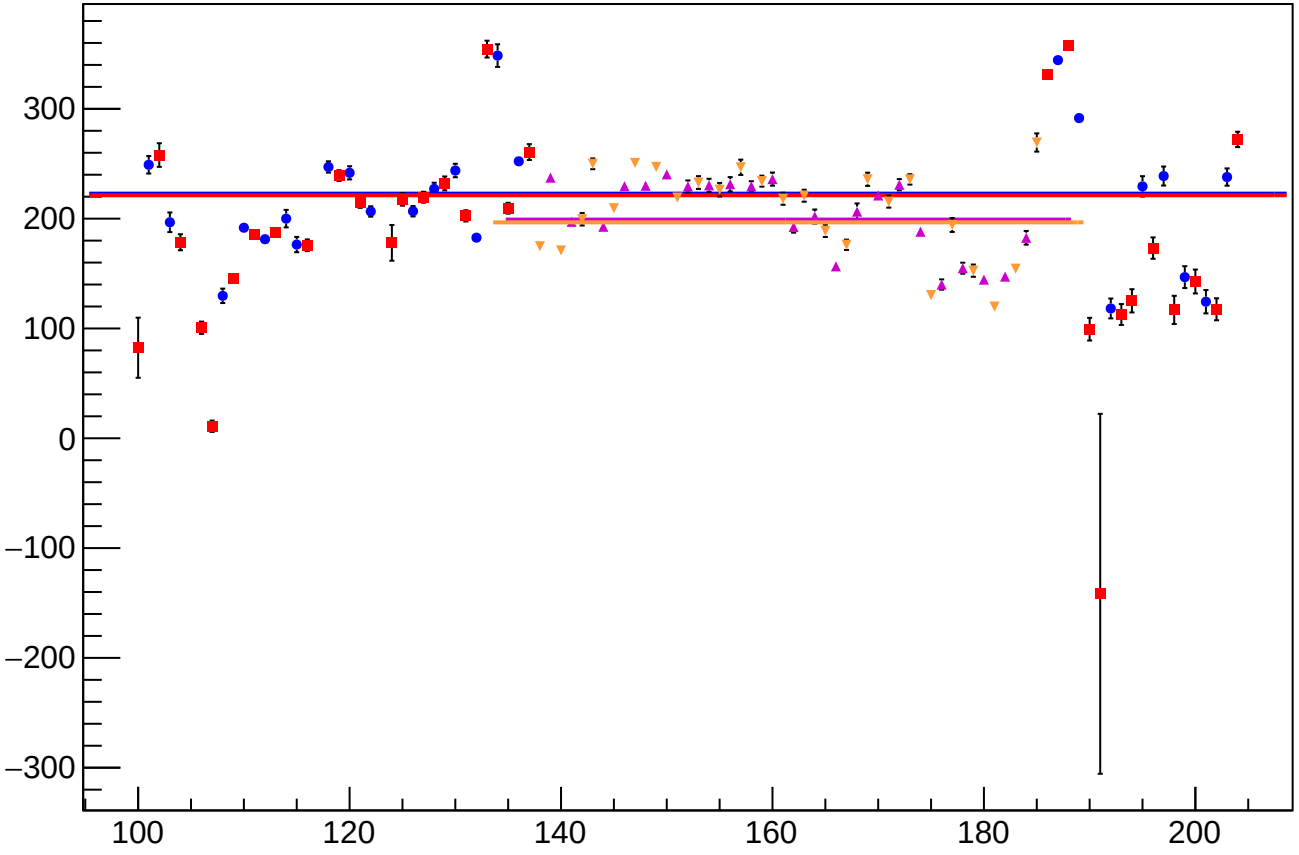
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -118.652+/-0.035 χ^2/NDF: 2198770.1/48

All: -118.506+/-0.025 χ^2/NDF: 4014451.5/10

- sign -118.359+/-0.036 χ^2/NDF: 1815647.5/52

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 222.778+/-1.144 χ^2/NDF: 2103.6/23

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 221.304+/-0.988 χ^2/NDF: 8143.3/29

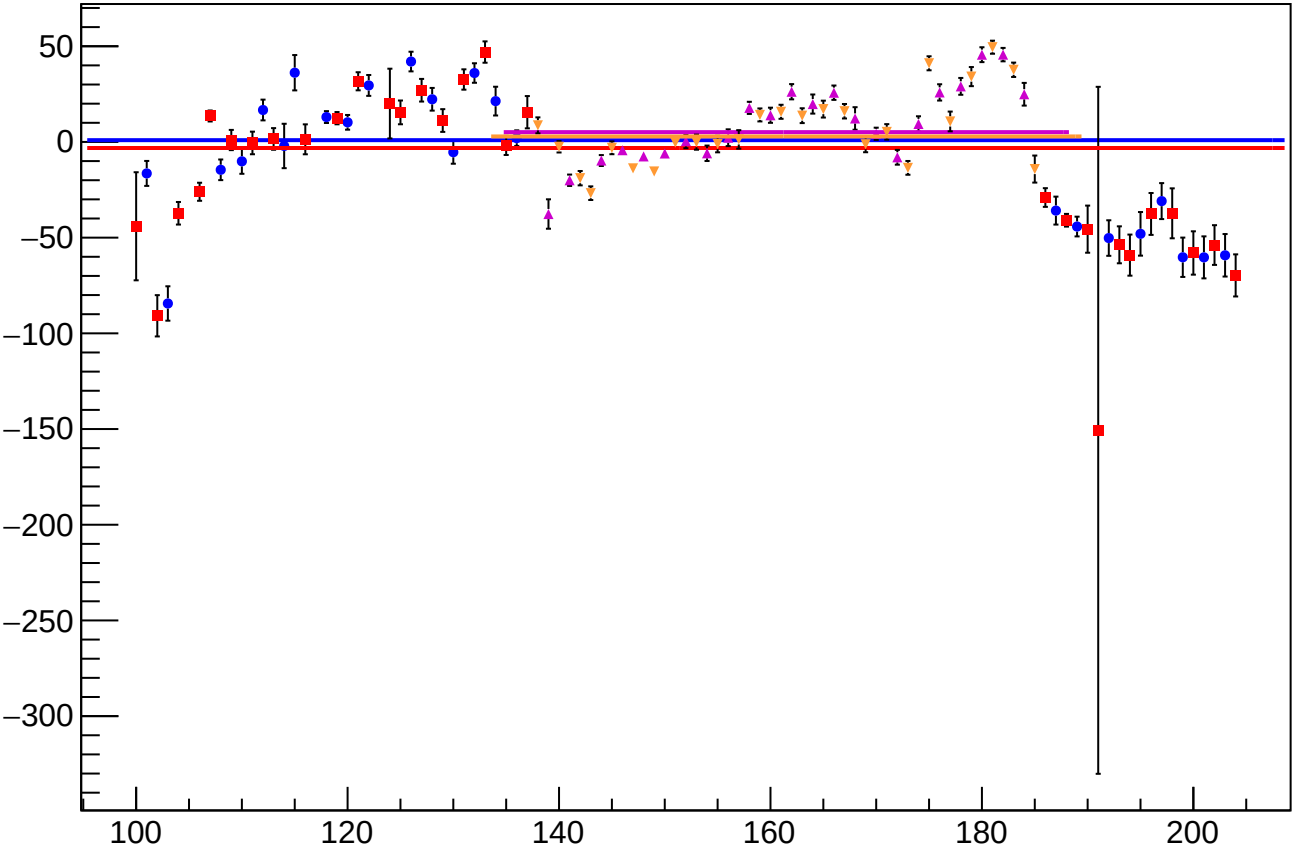
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 207.249+/-0.729 χ^2/NDF: 4489.8/48

All: 208.725+/-0.502 χ^2/NDF: 14190.8/101

- sign 210.059+/-0.693 χ^2/NDF: 9693.2/52

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 0.929+/-1.216 χ^2/NDF: 571.1/23

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -3.165+/-1.075 χ^2/NDF: 738.1/29

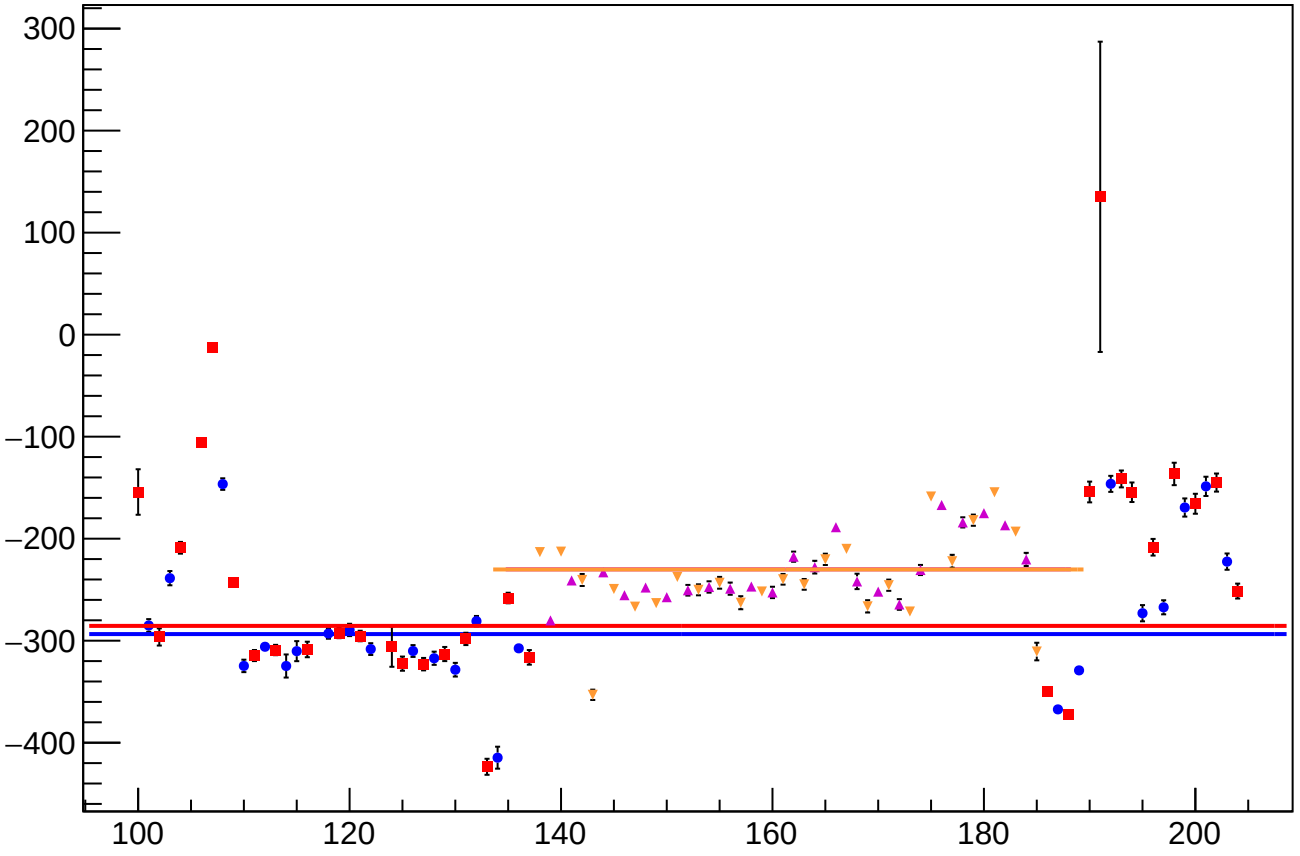
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 2.395+/-0.602 χ^2/NDF: 1325.8/48

All: 2.483+/-0.424 χ^2/NDF: 2733.7/101

- sign 2.569+/-0.597 χ^2/NDF: 1407.9/52

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -293.519+/-1.196 χ^2/NDF: 2351.0/23

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -285.488+/-0.997 χ^2/NDF: 9906.9/29

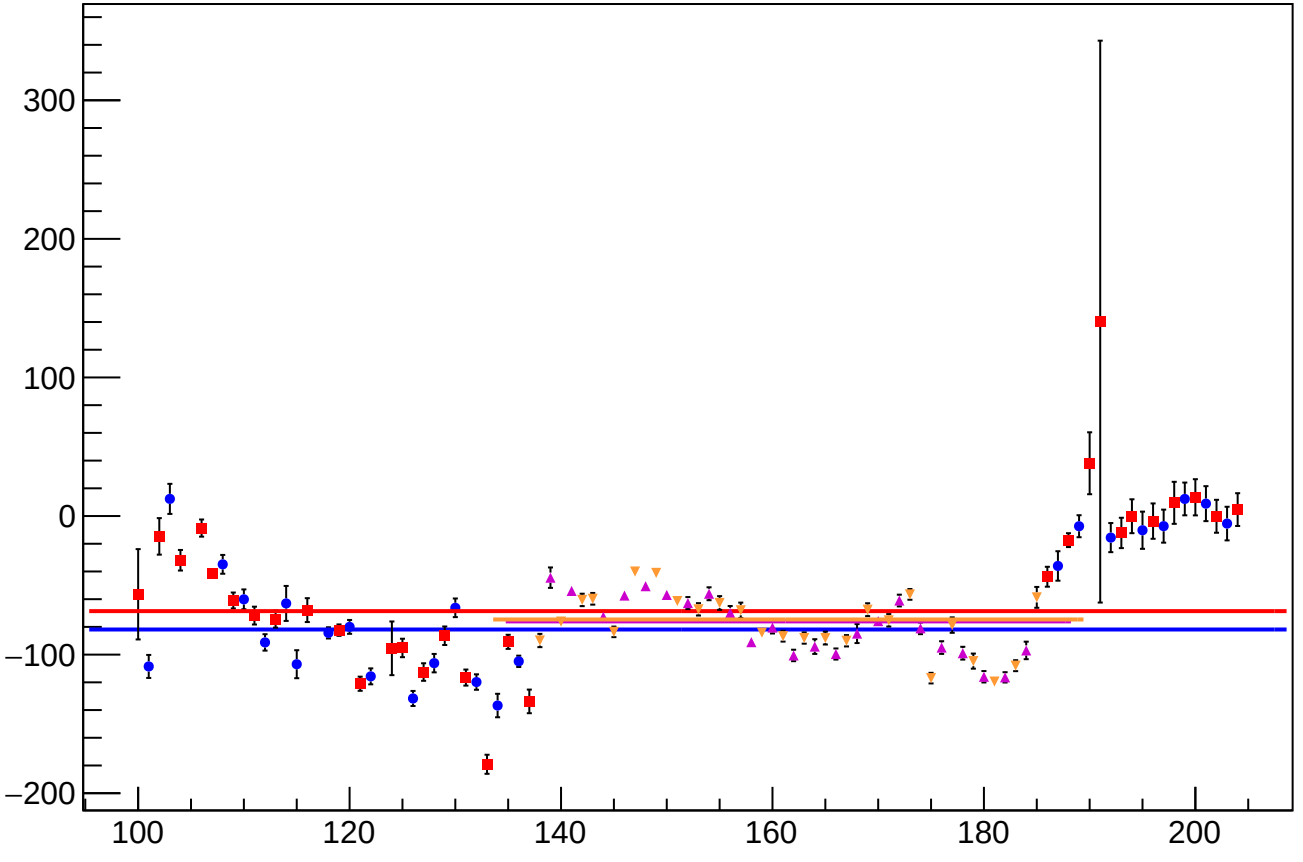
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -254.334+/-0.739 χ^2/NDF: 6267.9/48

All: -255.618+/-0.505 χ^2/NDF: 18877.3/101

- sign -256.745+/-0.692 χ^2/NDF: 12603.8/52

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -81.874+/-1.427 χ^2/NDF: 780.7/23

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -68.615+/-1.291 χ^2/NDF: 1148.4/29

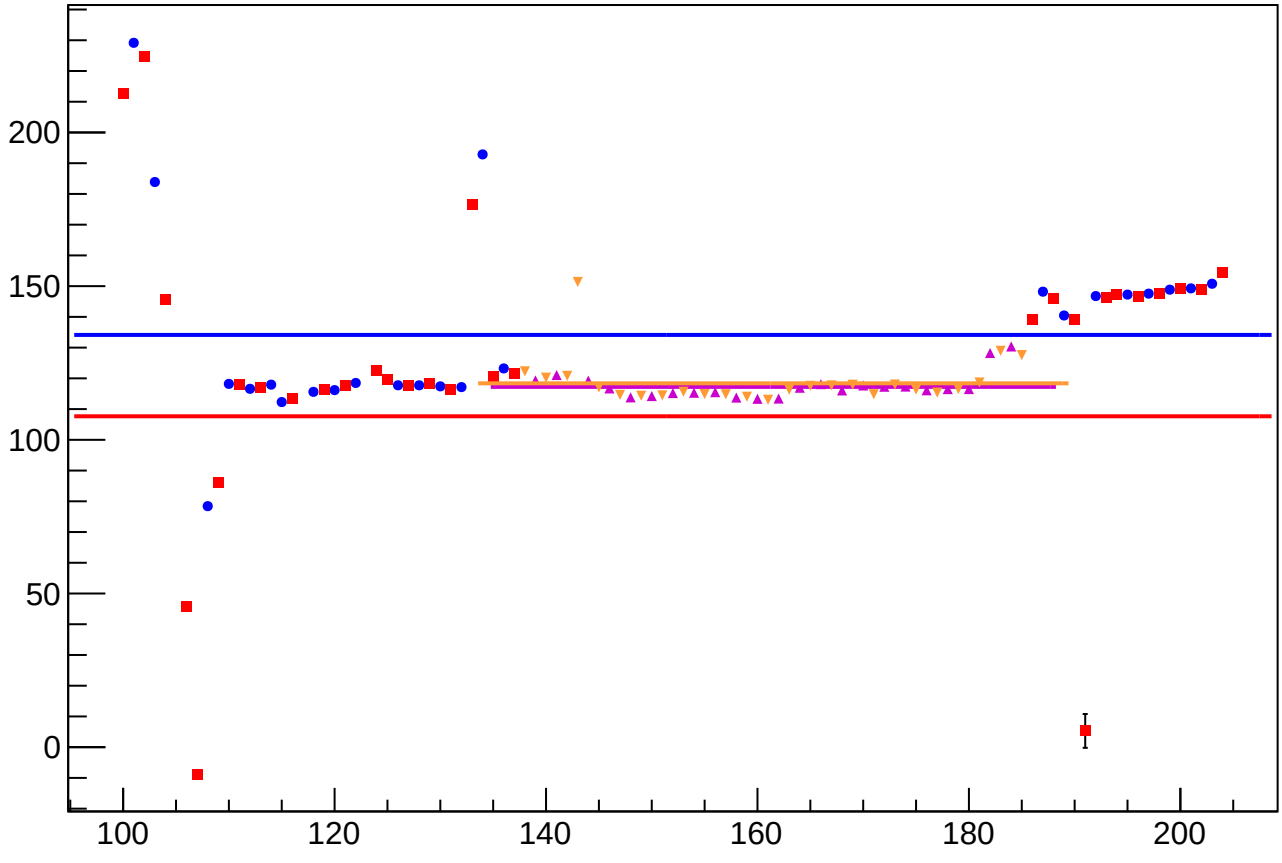
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -76.376+/-0.698 χ^2/NDF: 1631.2/48

All: -75.121+/-0.492 χ^2/NDF: 3455.5/101

- sign -73.879+/-0.695 χ^2/NDF: 1817.9/52

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 134.131+/-0.075 χ^2/NDF: 196615.0/23

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 107.659+/-0.066 χ^2/NDF: 750783.4/29

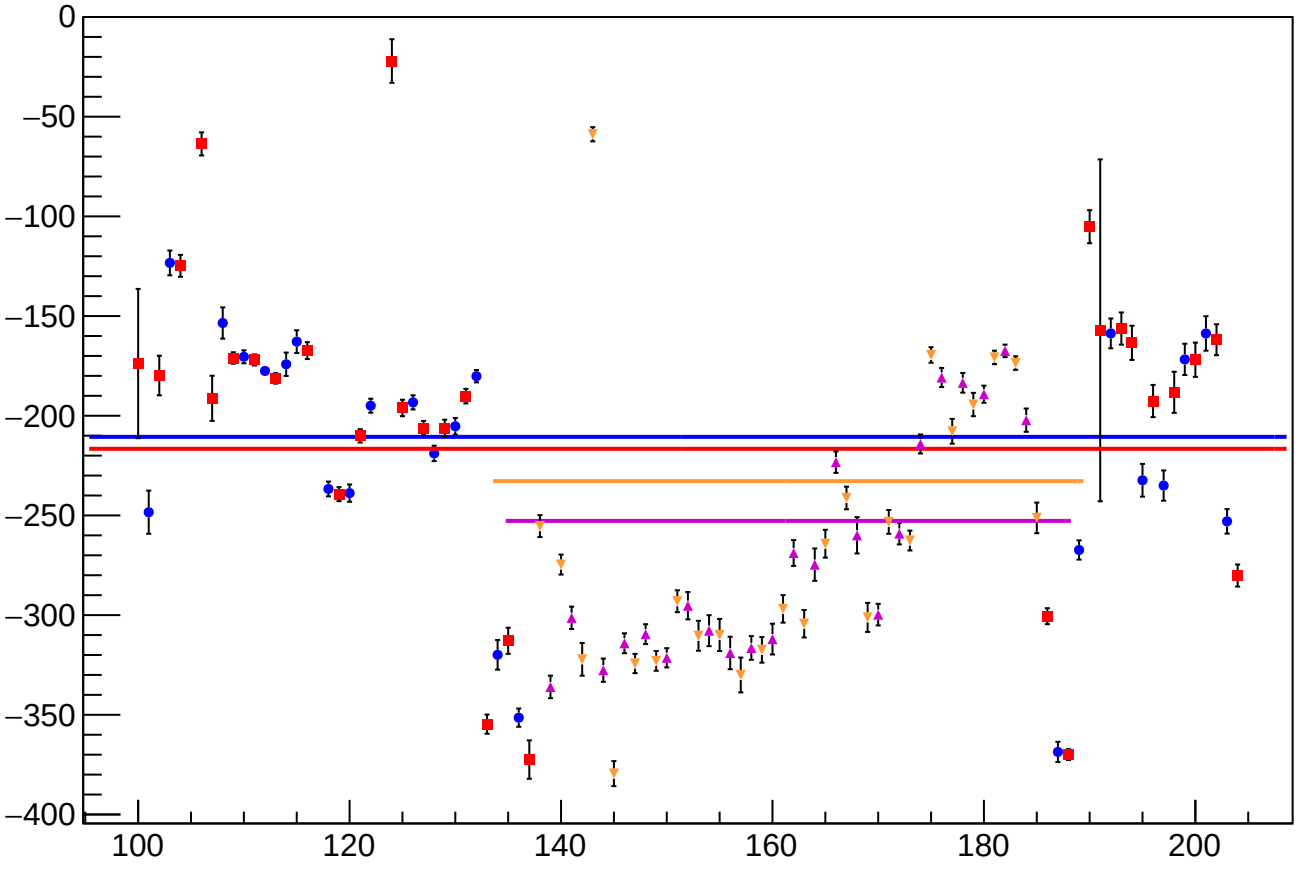
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 121.500+/-0.033 χ^2/NDF: 266896.7/48

All: 118.138+/-0.023 χ^2/NDF: 1063494.4/101

- sign 114.906+/-0.033 χ^2/NDF: 776702.1/52

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -210.587+/-0.936 χ^2/NDF: 3390.0/23

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -216.567+/-0.851 χ^2/NDF: 7665.3/29

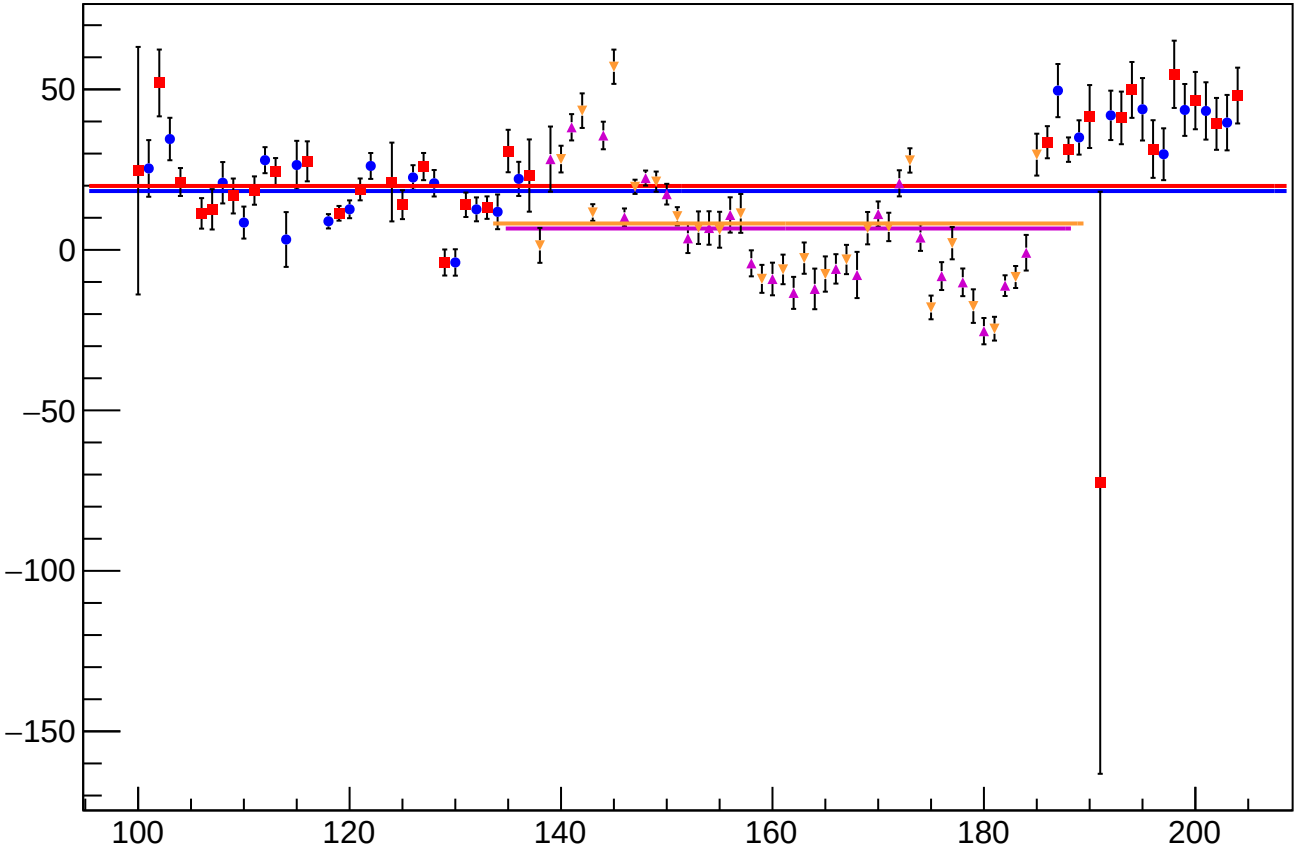
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -220.197+/-0.705 χ^2/NDF: 9397.6/48

All: -225.092+/-0.489 χ^2/NDF: 20723.1/101

- sign -229.644+/-0.680 χ^2/NDF: 11232.5/52

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 18.325+/-0.978 χ^2/NDF: 147.4/23

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 19.914+/-0.936 χ^2/NDF: 156.8/29

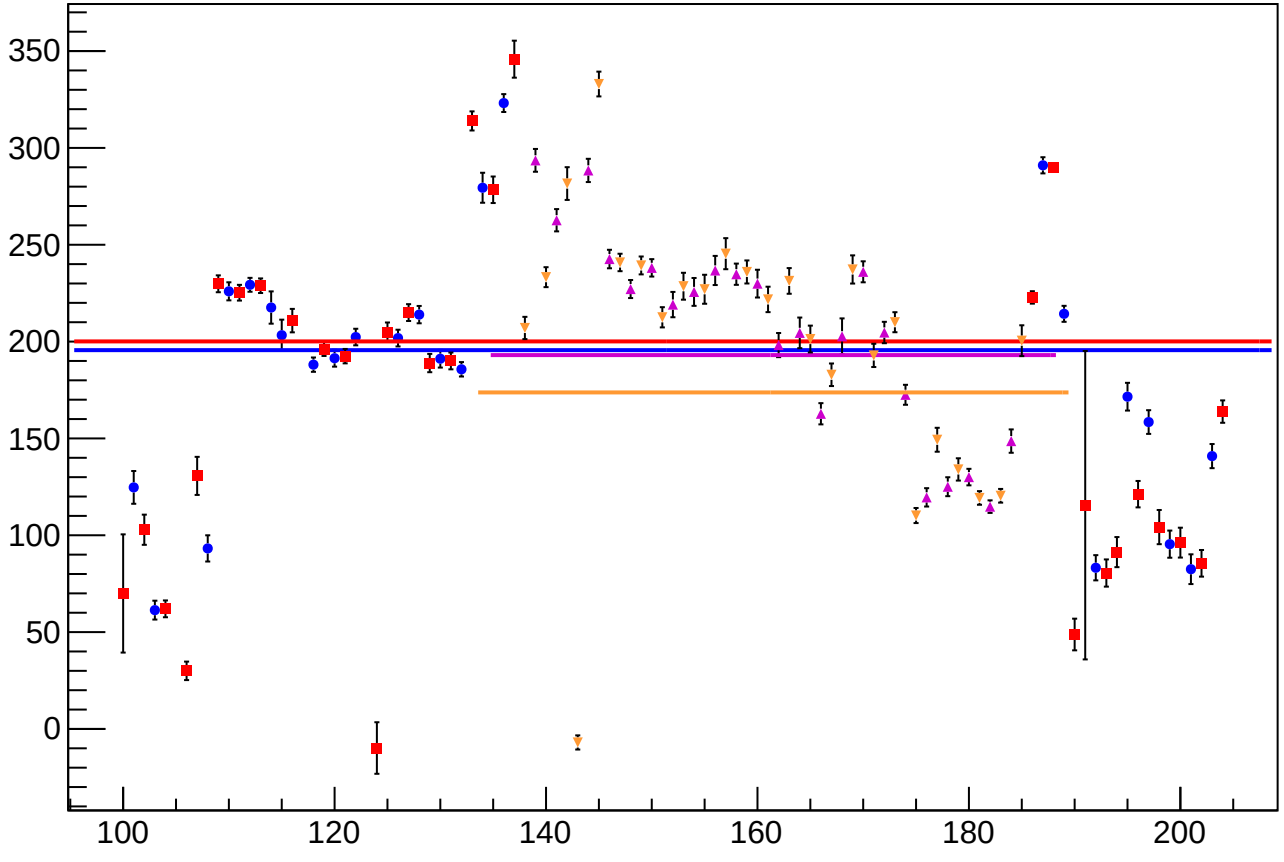
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 12.288+/-0.621 χ^2/NDF: 669.0/48

All: 12.495+/-0.443 χ^2/NDF: 1289.7/101

- sign 12.710+/-0.633 χ^2/NDF: 620.5/52

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 195.581+/-1.027 χ^2/NDF: 3501.4/23

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 200.095+/-0.908 χ^2/NDF: 7111.3/29

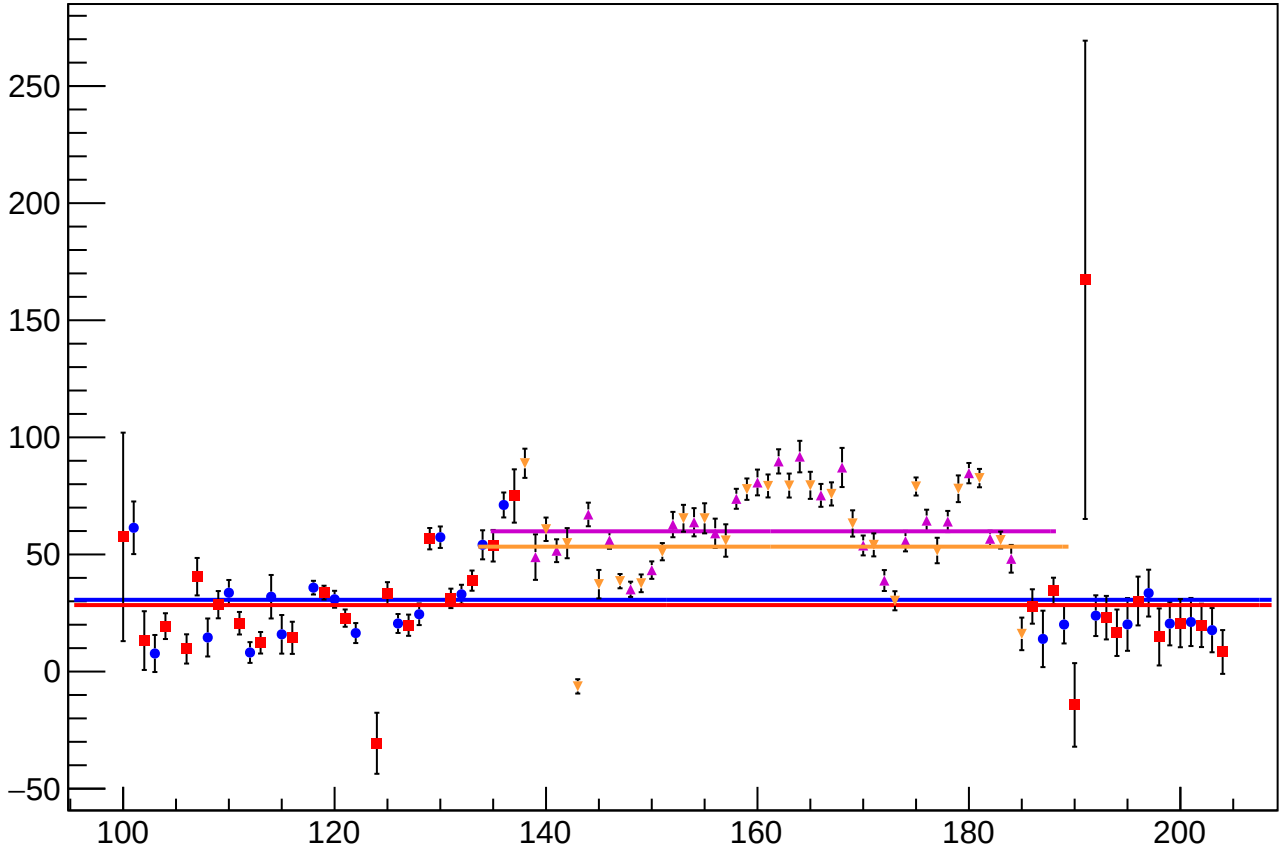
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

\+ sign 185.101+/-0.740 χ^2/NDF: 8979.1/48

All: 191.491+/-0.511 χ^2/NDF: 18768.5/101

\- sign 197.297+/-0.706 χ^2/NDF: 9647.2/52

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 30.637+/-1.146 χ^2/NDF: 187.0/23

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 28.383+/-1.103 χ^2/NDF: 159.2/29

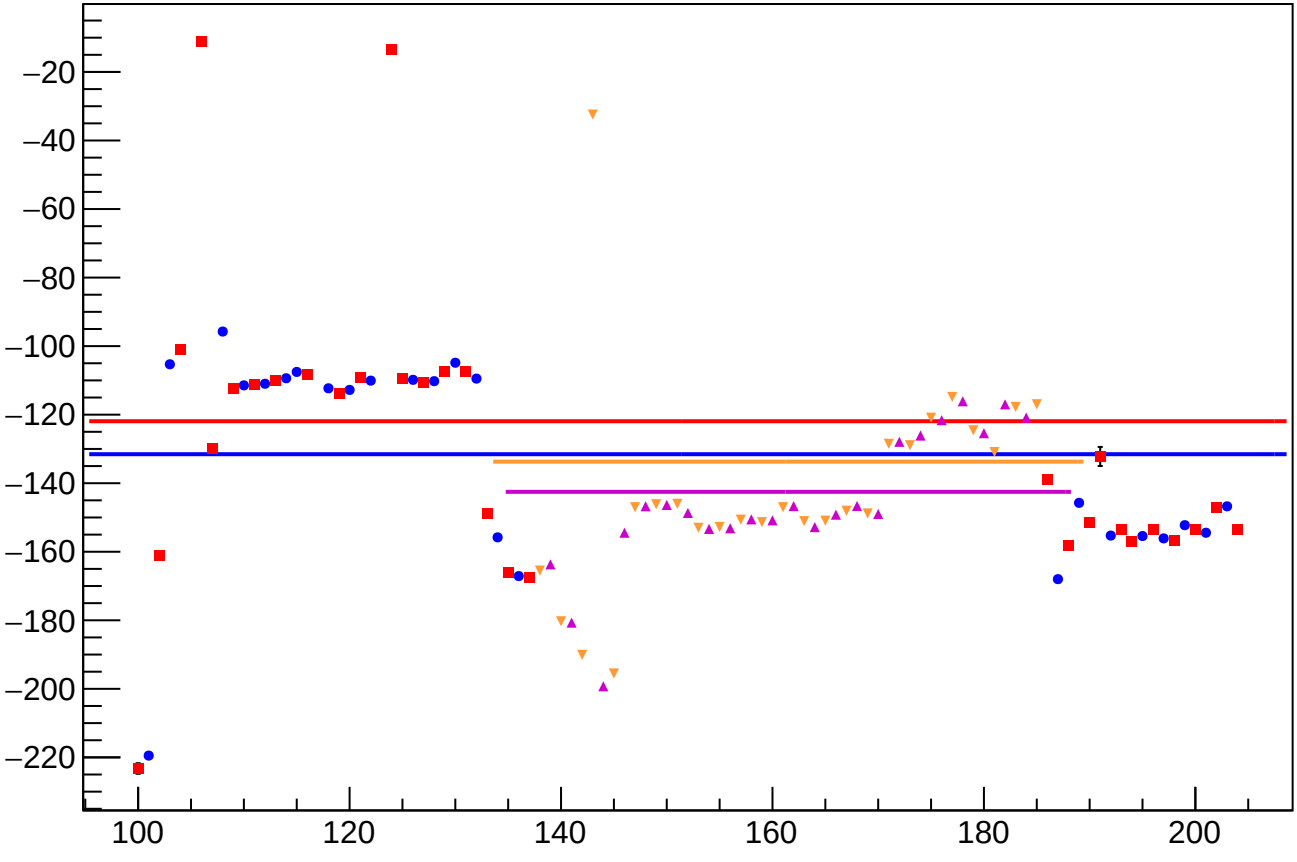
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 44.418+/-0.718 χ^2/NDF: 1204.0/48

All: 45.214+/-0.512 χ^2/NDF: 2074.1/101

- sign 46.039+/-0.731 χ^2/NDF: 867.6/52

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -131.536+/-0.065 χ^2/NDF: 172916.8/23

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -121.913+/-0.061 χ^2/NDF: 495524.4/29

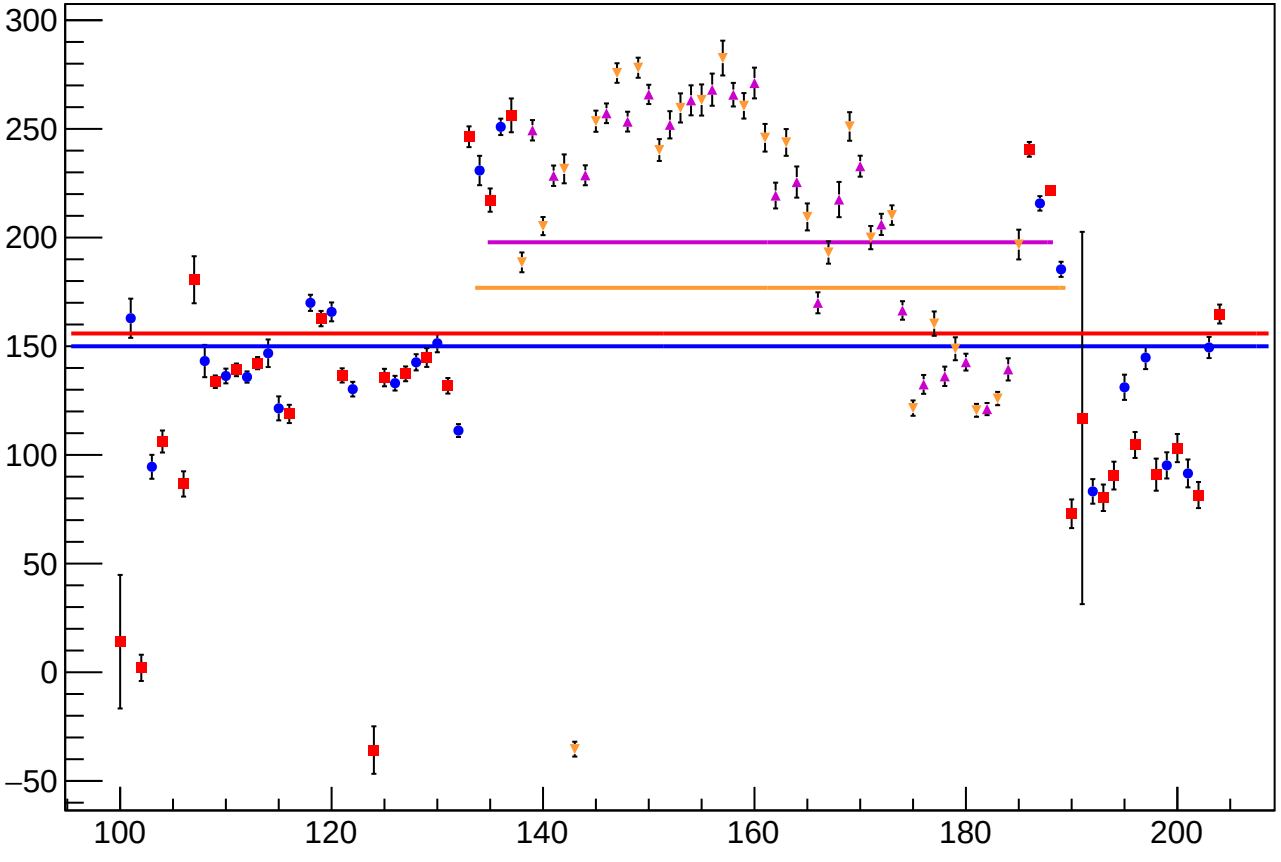
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -133.054+/-0.036 χ^2/NDF: 849618.4/48

All: -134.185+/-0.025 χ^2/NDF: 1600828.2/10

- sign -135.318+/-0.036 χ^2/NDF: 749210.3/52

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 149.981+/-0.859 χ^2/NDF: 2120.5/23

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 155.874+/-0.764 χ^2/NDF: 4998.8/29

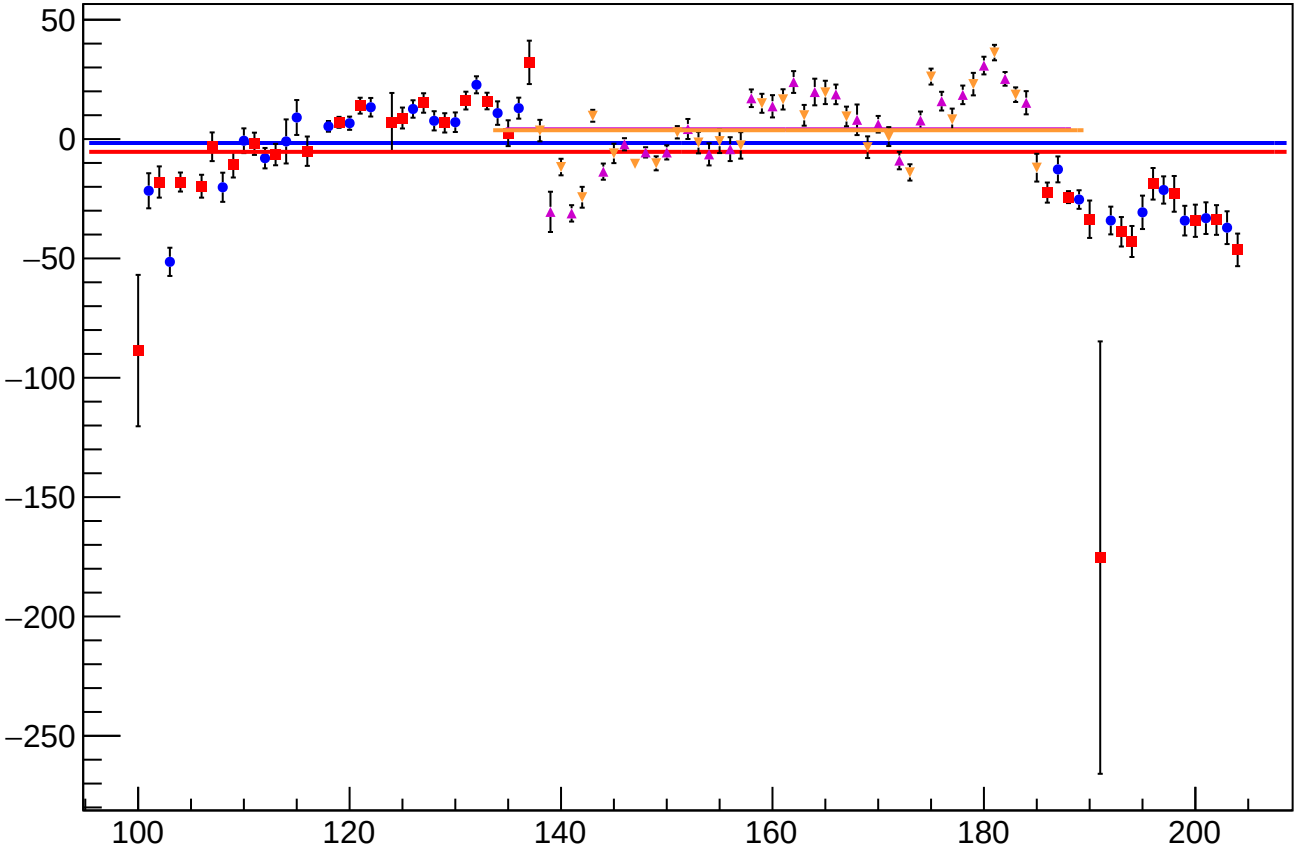
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 161.972+/-0.639 χ^2/NDF: 9982.8/48

All: 166.826+/-0.441 χ^2/NDF: 19162.0/101

- sign 171.226+/-0.609 χ^2/NDF: 9069.3/52

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -1.642+/-0.909 χ^2/NDF: 392.8/23

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -5.349+/-0.855 χ^2/NDF: 467.9/29

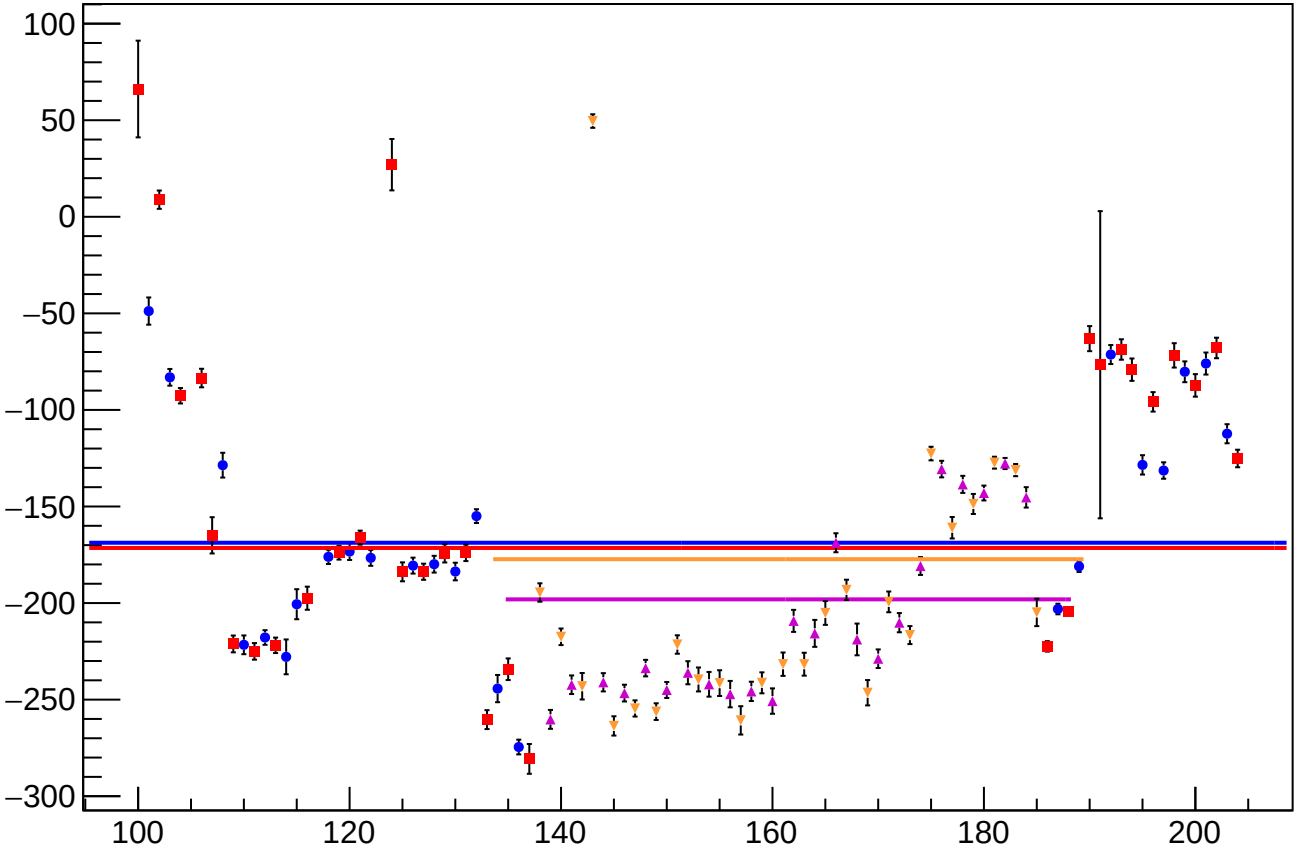
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 1.634+/-0.566 χ^2/NDF: 815.0/48

All: 0.763+/-0.402 χ^2/NDF: 1754.2/101

- sign -0.125+/-0.572 χ^2/NDF: 934.5/52

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -168.768+/-0.896 χ^2/NDF: 3375.3/23

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -171.470+/-0.767 χ^2/NDF: 6595.1/29

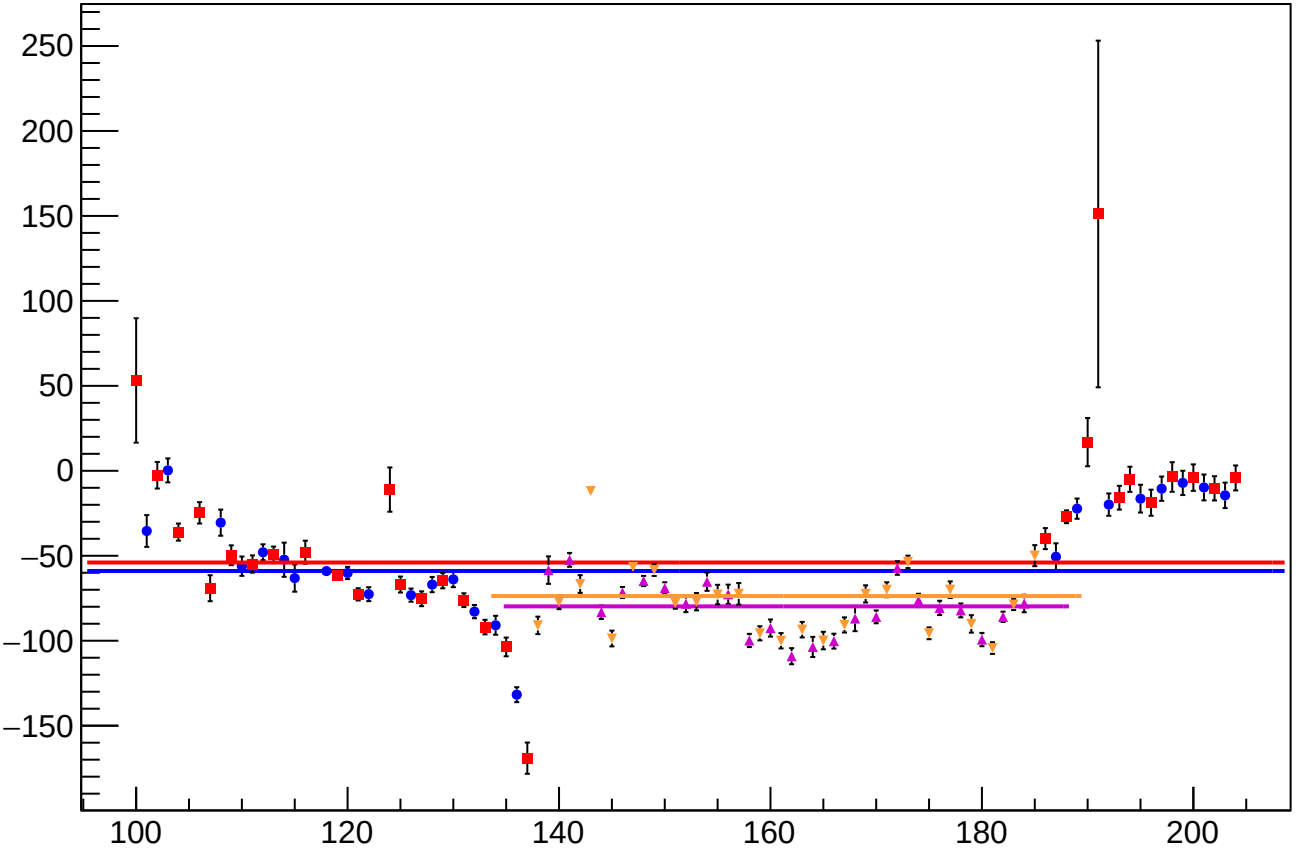
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -172.750+/-0.654 χ^2/NDF: 10457.5/48

All: -177.346+/-0.445 χ^2/NDF: 19977.1/101

- sign -181.326+/-0.609 χ^2/NDF: 9427.4/52

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -58.950+/-1.070 χ^2/NDF: 746.1/23

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -53.963+/-1.020 χ^2/NDF: 858.2/29

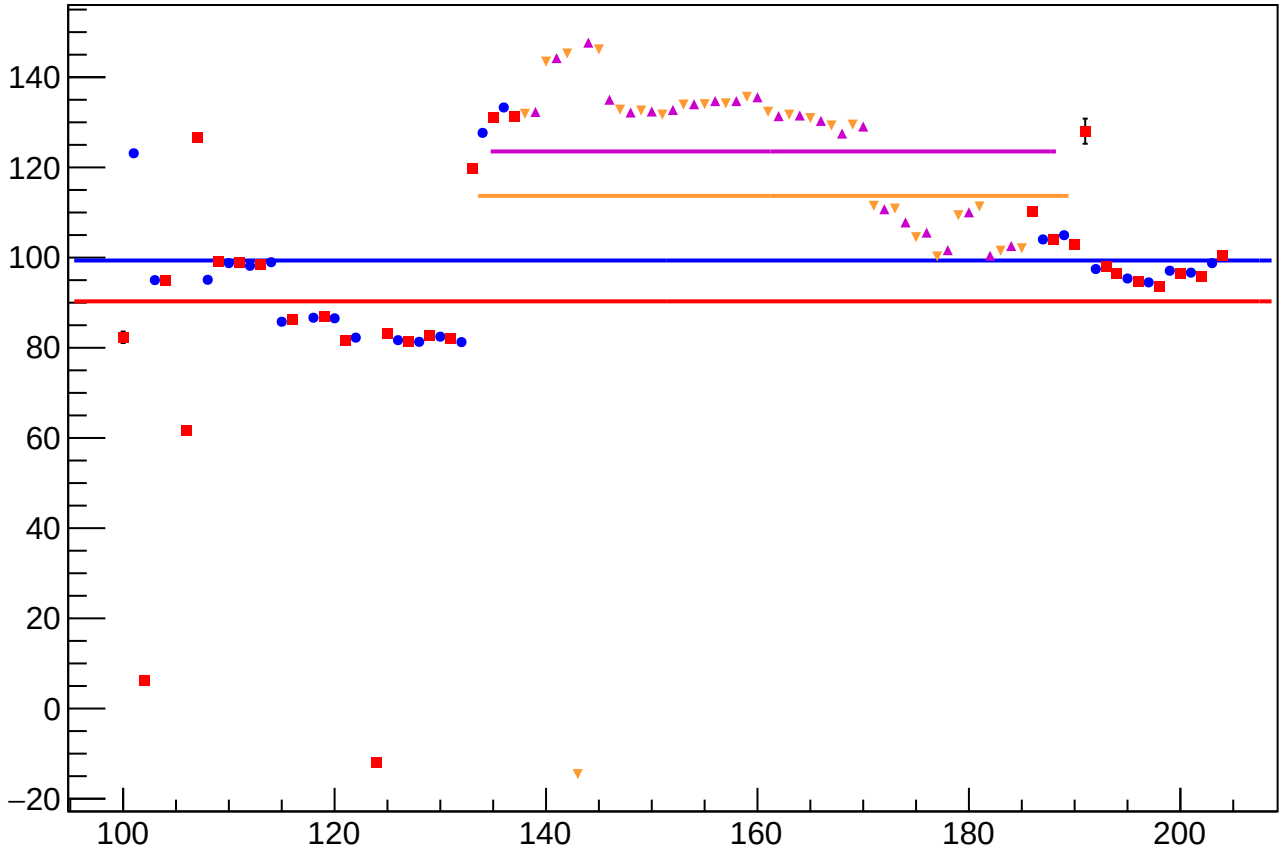
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -68.172+/-0.655 χ^2/NDF: 1704.6/48

All: -68.509+/-0.466 χ^2/NDF: 3209.6/101

- sign -68.854+/-0.664 χ^2/NDF: 1504.5/52

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.359+/-0.056 χ^2/NDF: 69256.5/23

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 90.297+/-0.052 χ^2/NDF: 284541.1/29

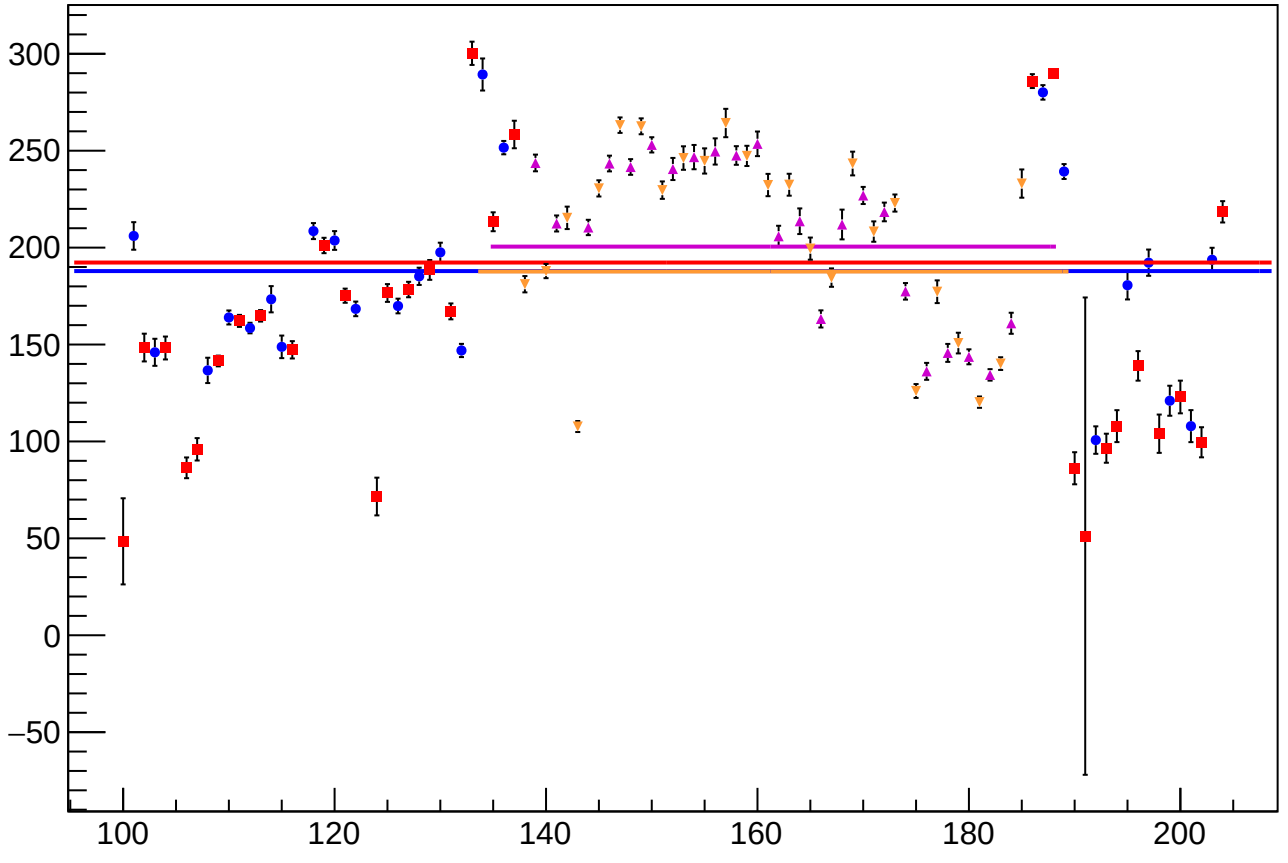
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 109.144+/-0.032 χ^2/NDF: 1076654.9/48

All: 110.214+/-0.022 χ^2/NDF: 1757938.7/101

- sign 111.268+/-0.031 χ^2/NDF: 679021.8/52

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 187.898+/-0.954 χ^2/NDF: 2143.3/23

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

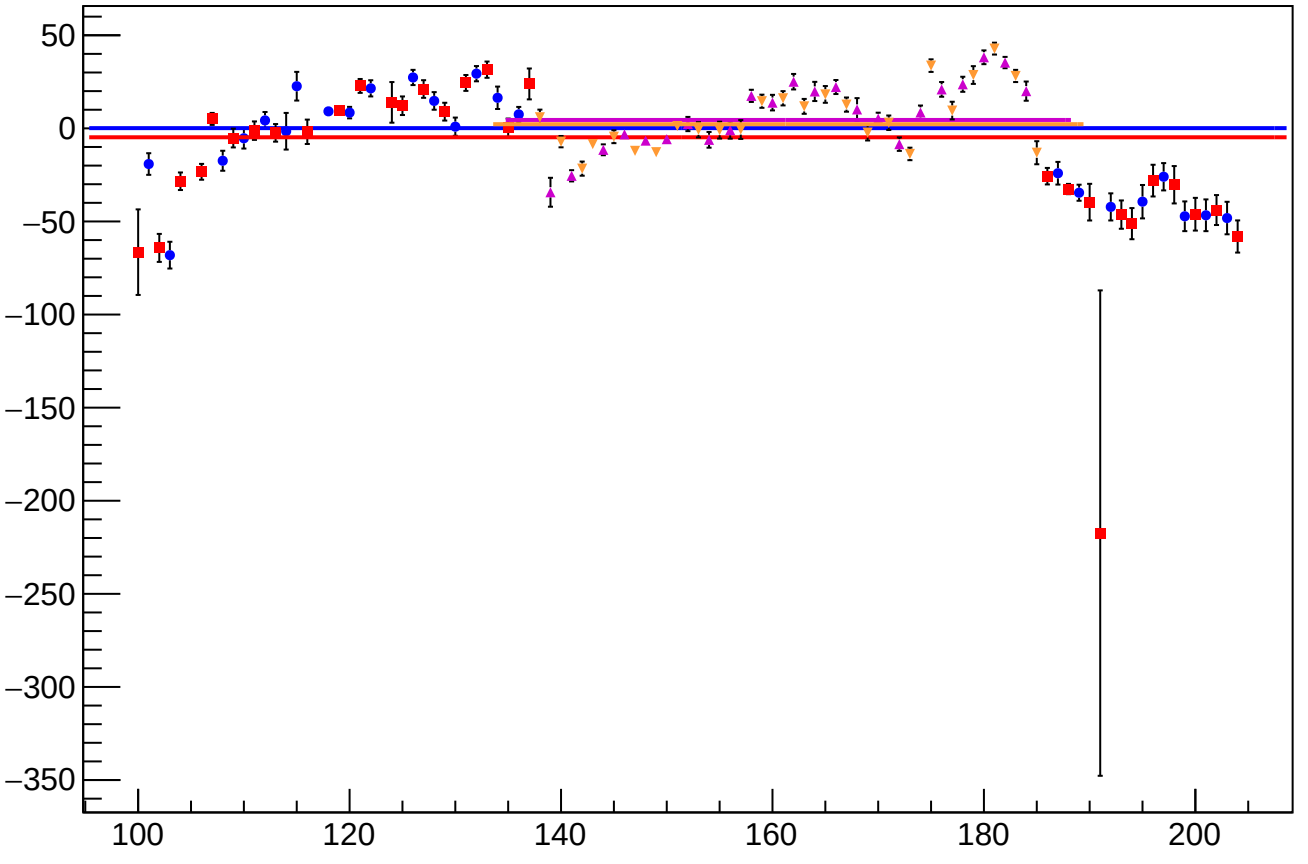
Right Out: 192.306+/-0.836 χ^2/NDF: 5995.4/29

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 187.783+/-0.654 χ^2/NDF: 5671.7/48

All: 191.982+/-0.453 χ^2/NDF: 13899.8/101

- sign 195.869+/-0.629 χ^2/NDF: 8148.7/52



Right In: 0.120+/-1.010 χ^2/NDF: 524.5/23

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -4.791+/-0.922 χ^2/NDF: 689.4/29

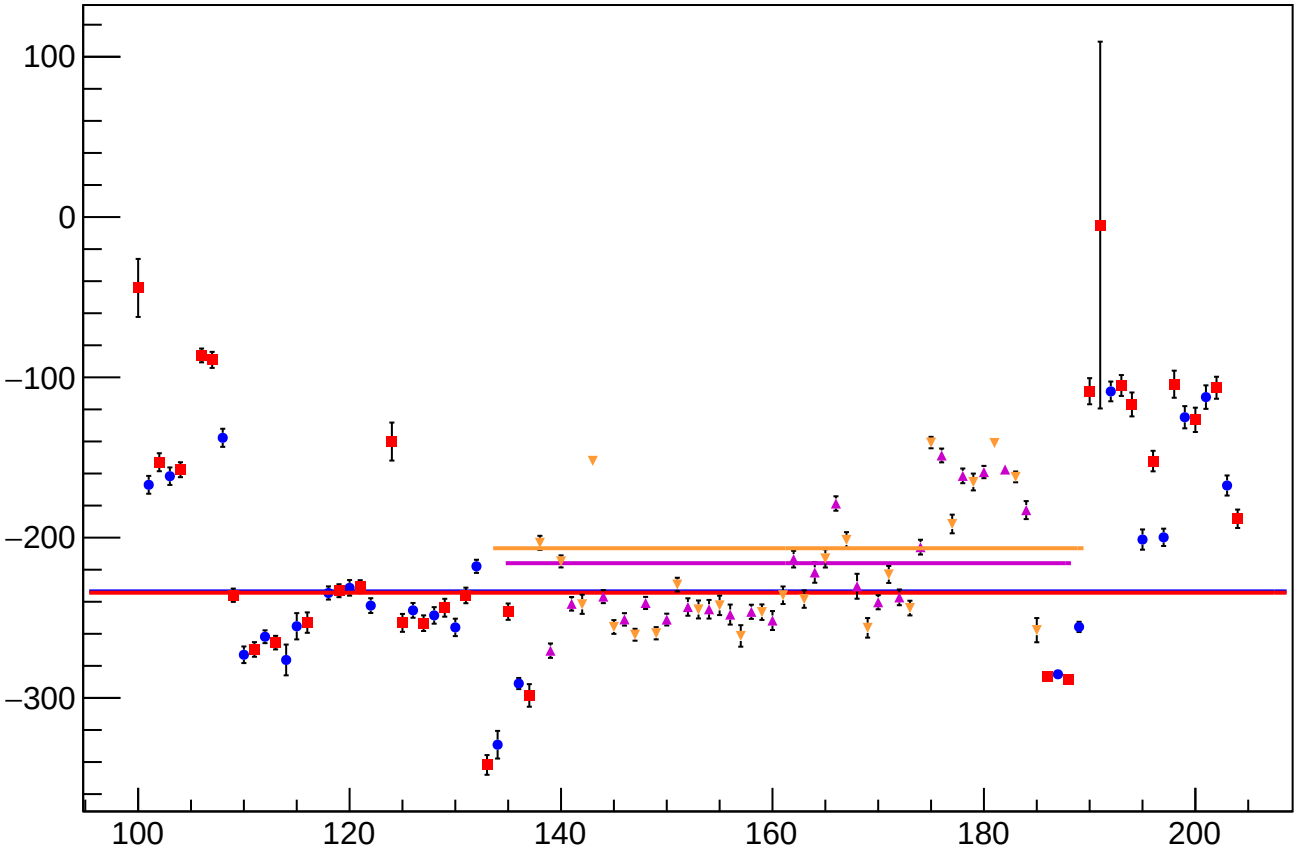
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 1.603+/-0.555 χ^2/NDF: 1128.4/48

All: 1.319+/-0.396 χ^2/NDF: 2429.1/101

- sign 1.024+/-0.565 χ^2/NDF: 1300.2/52

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -233.533+/-1.001 χ^2/NDF: 2620.8/23

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

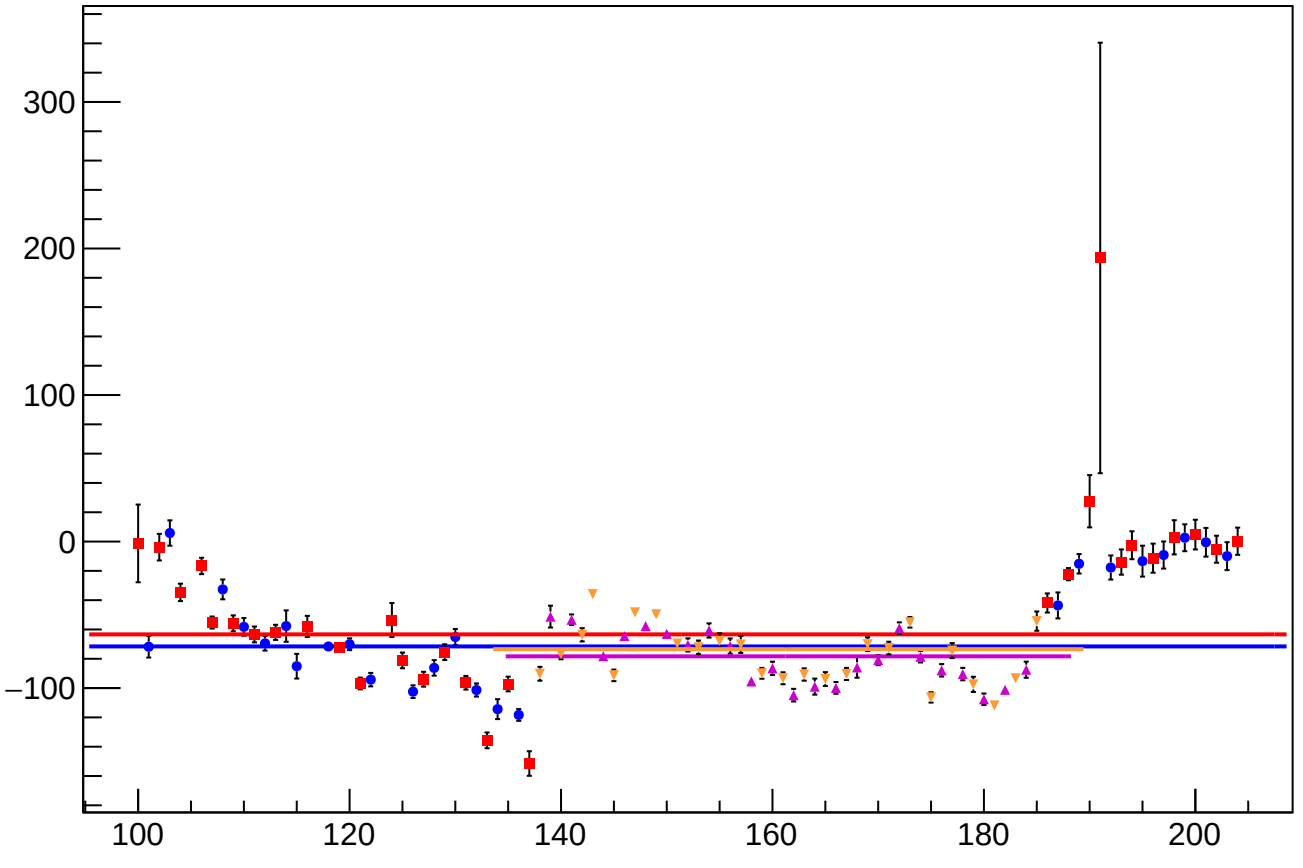
Right Out: -234.356+/-0.844 χ^2/NDF: 6621.8/29

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

\+ sign -218.574+/-0.667 χ^2/NDF: 5490.6/48

All: -222.606+/-0.458 χ^2/NDF: 14104.5/101

\- sign -226.199+/-0.630 χ^2/NDF: 8544.8/52



Right In: -71.558+/-1.188 χ^2/NDF: 786.2/23

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -63.333+/-1.104 χ^2/NDF: 1067.2/29

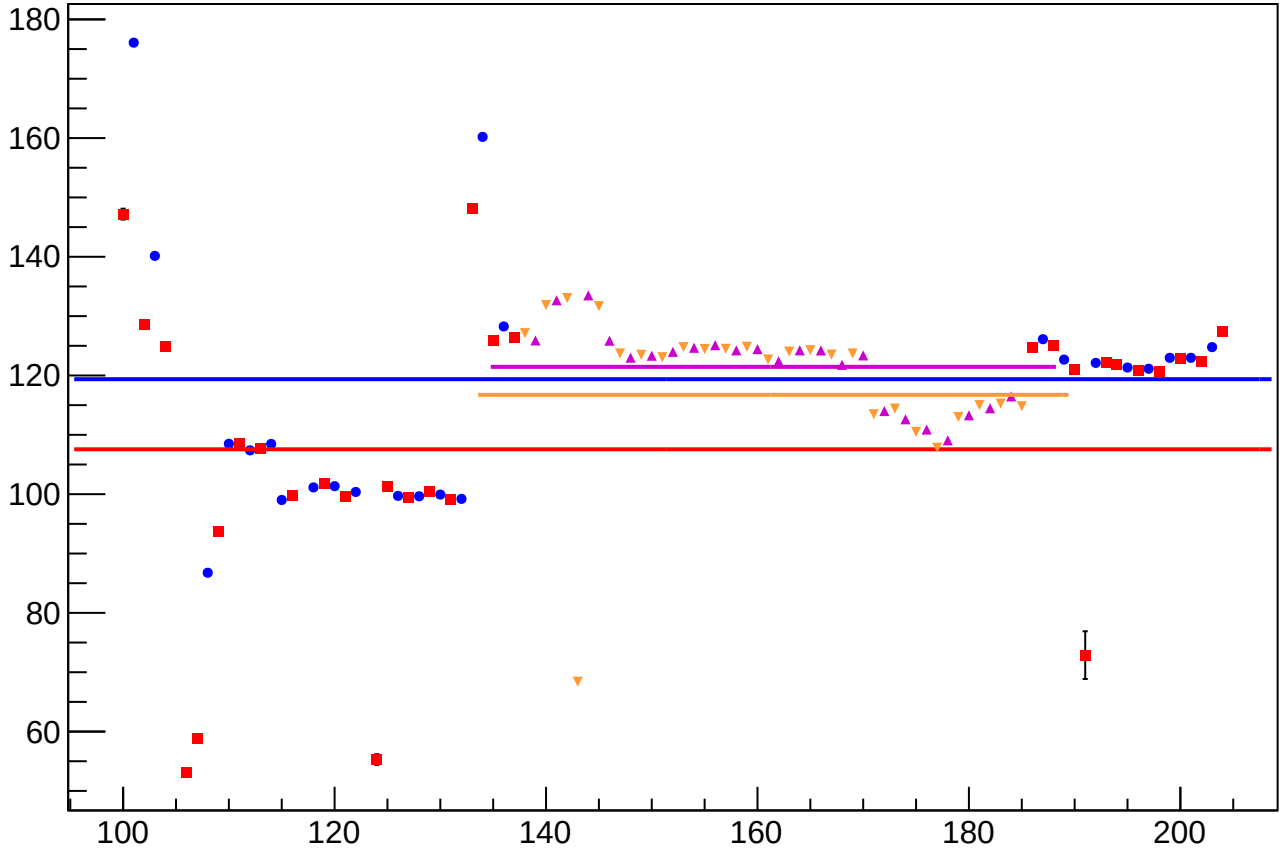
Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -72.877+/-0.644 χ^2/NDF: 1624.5/48

All: -72.946+/-0.460 χ^2/NDF: 3254.2/101

- sign -73.019+/-0.657 χ^2/NDF: 1629.6/52

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 119.375+/-0.064 χ^2/NDF: 96938.7/23

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

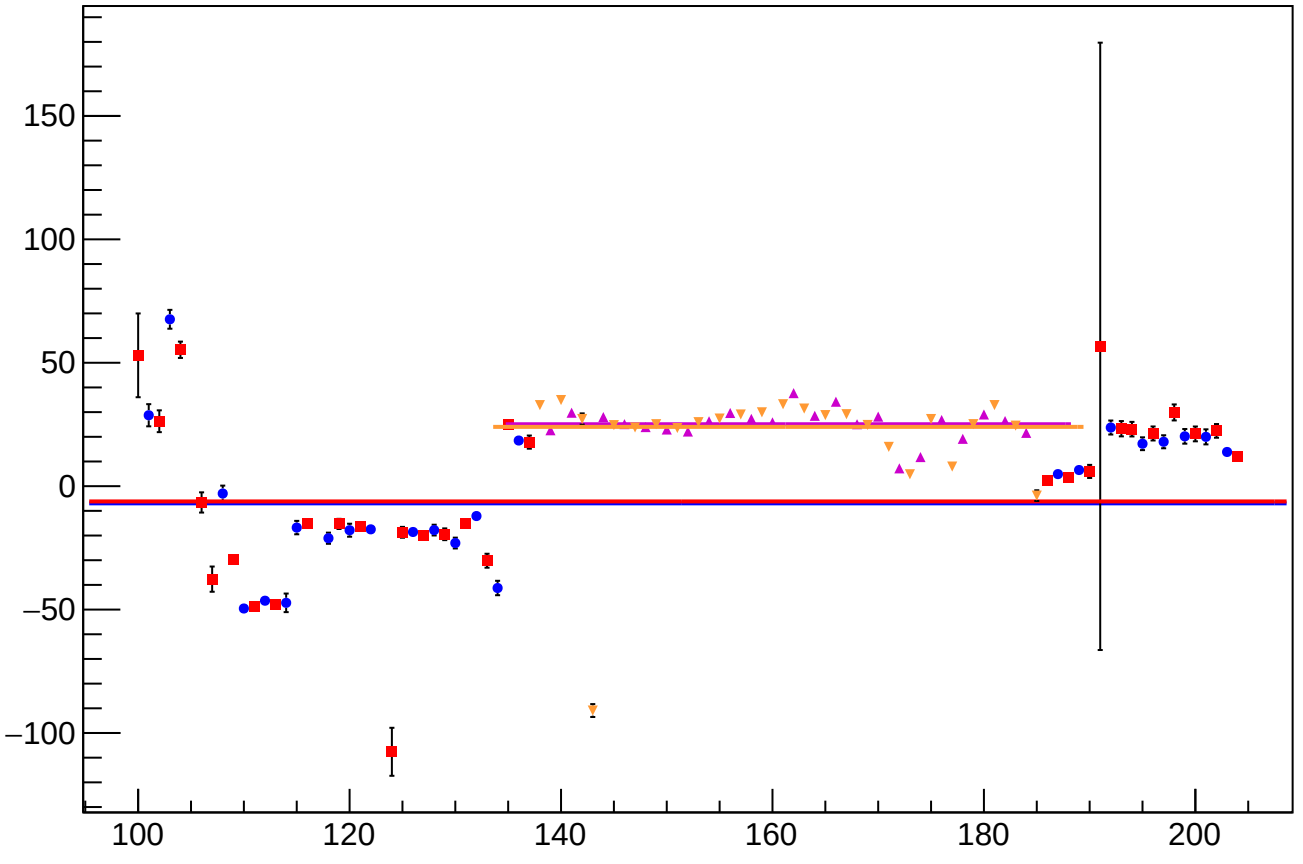
Right Out: 107.563+/-0.057 χ^2/NDF: 204179.3/29

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.374+/-0.031 χ^2/NDF: 301891.1/48

All: 117.335+/-0.022 χ^2/NDF: 576465.3/101

- sign 117.296+/-0.031 χ^2/NDF: 274571.1/52



Right In: -6.957+/-0.452 χ^2/NDF: 3024.0/23

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -6.182+/-0.401 χ^2/NDF: 3463.7/29

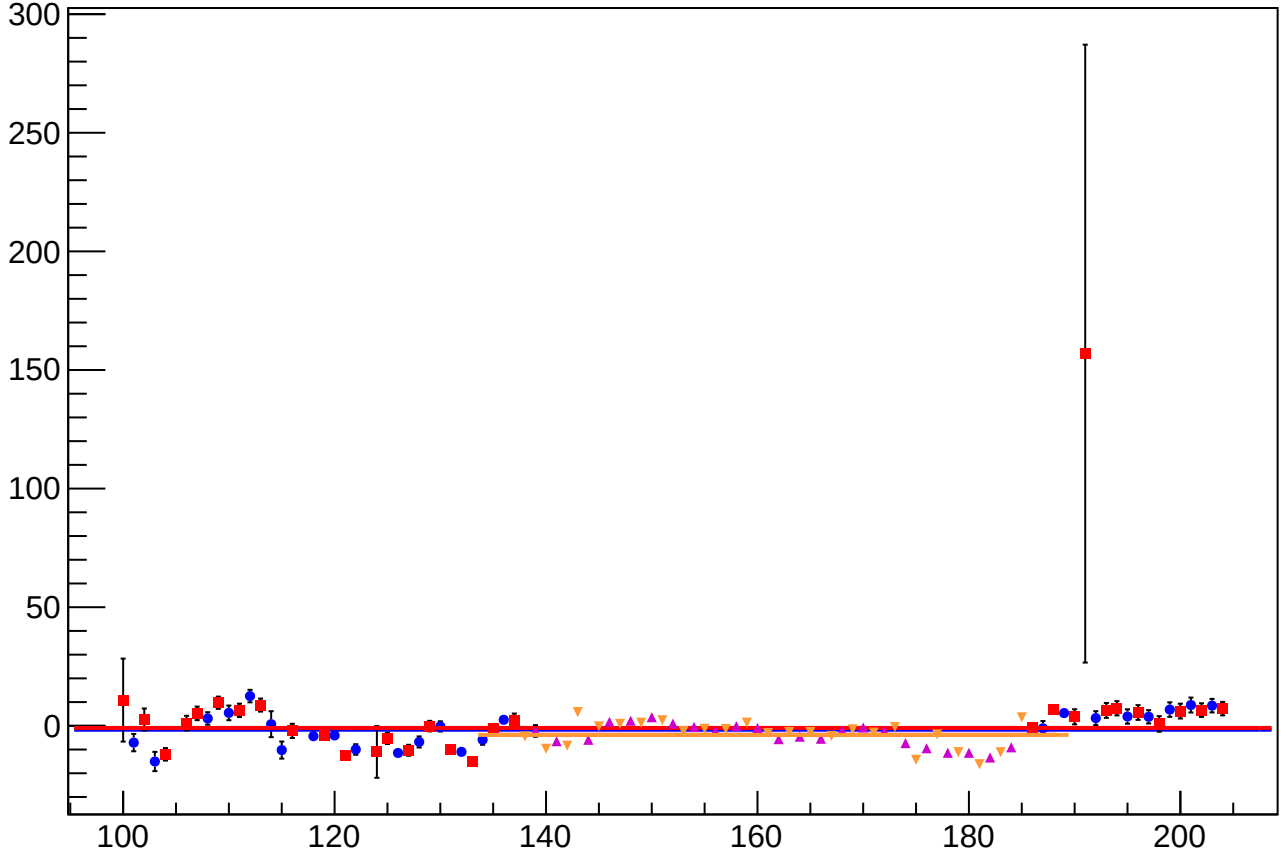
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.357+/-0.239 χ^2/NDF: 9202.8/48

All: 14.906+/-0.167 χ^2/NDF: 17191.6/101

- sign 14.477+/-0.233 χ^2/NDF: 7981.8/52

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -1.643+/-0.483 χ^2/NDF: 189.6/23

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -0.893+/-0.453 χ^2/NDF: 256.8/29

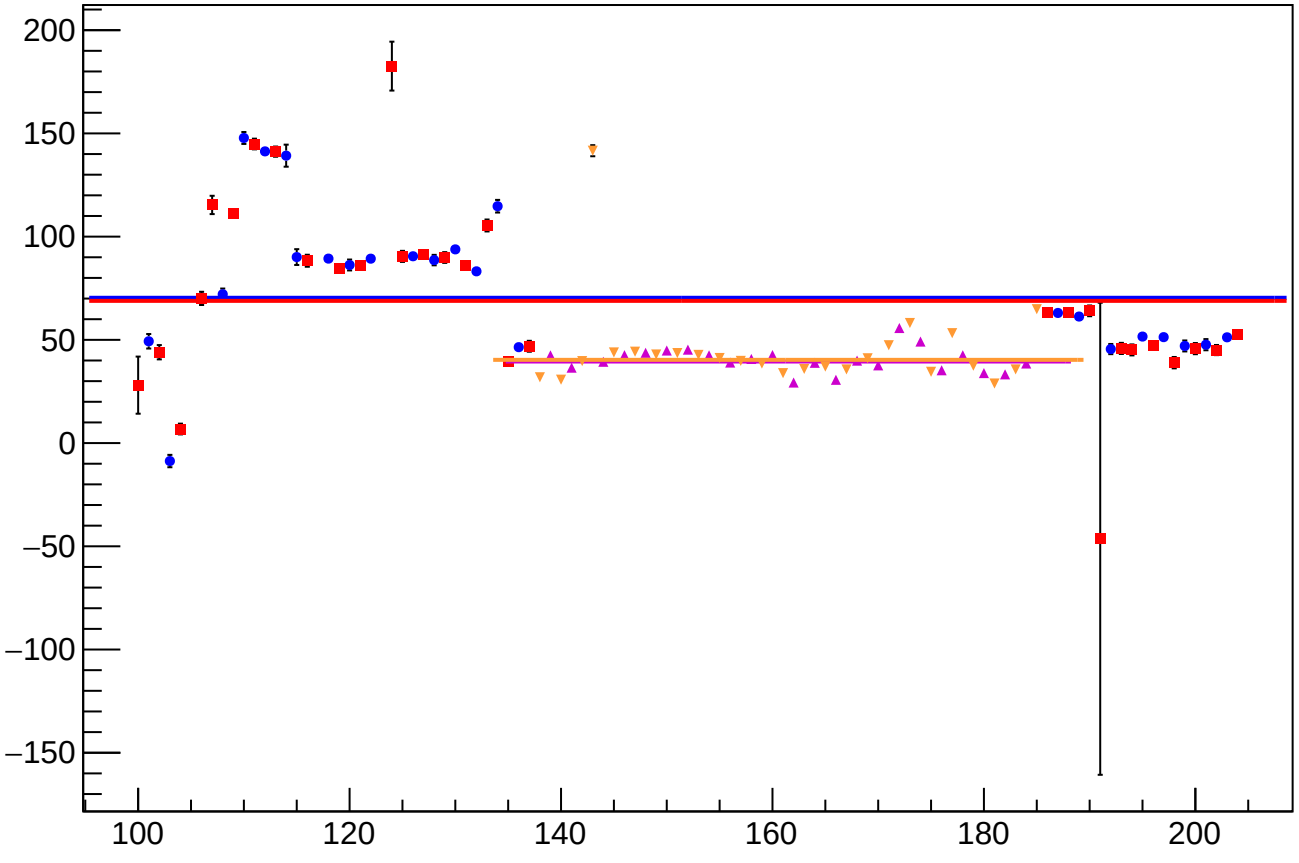
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.472+/-0.199 χ^2/NDF: 856.3/48

All: -3.345+/-0.141 χ^2/NDF: 1656.4/101

- sign -3.215+/-0.201 χ^2/NDF: 799.2/52

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 70.380+/-0.466 χ^2/NDF: 4087.0/23

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

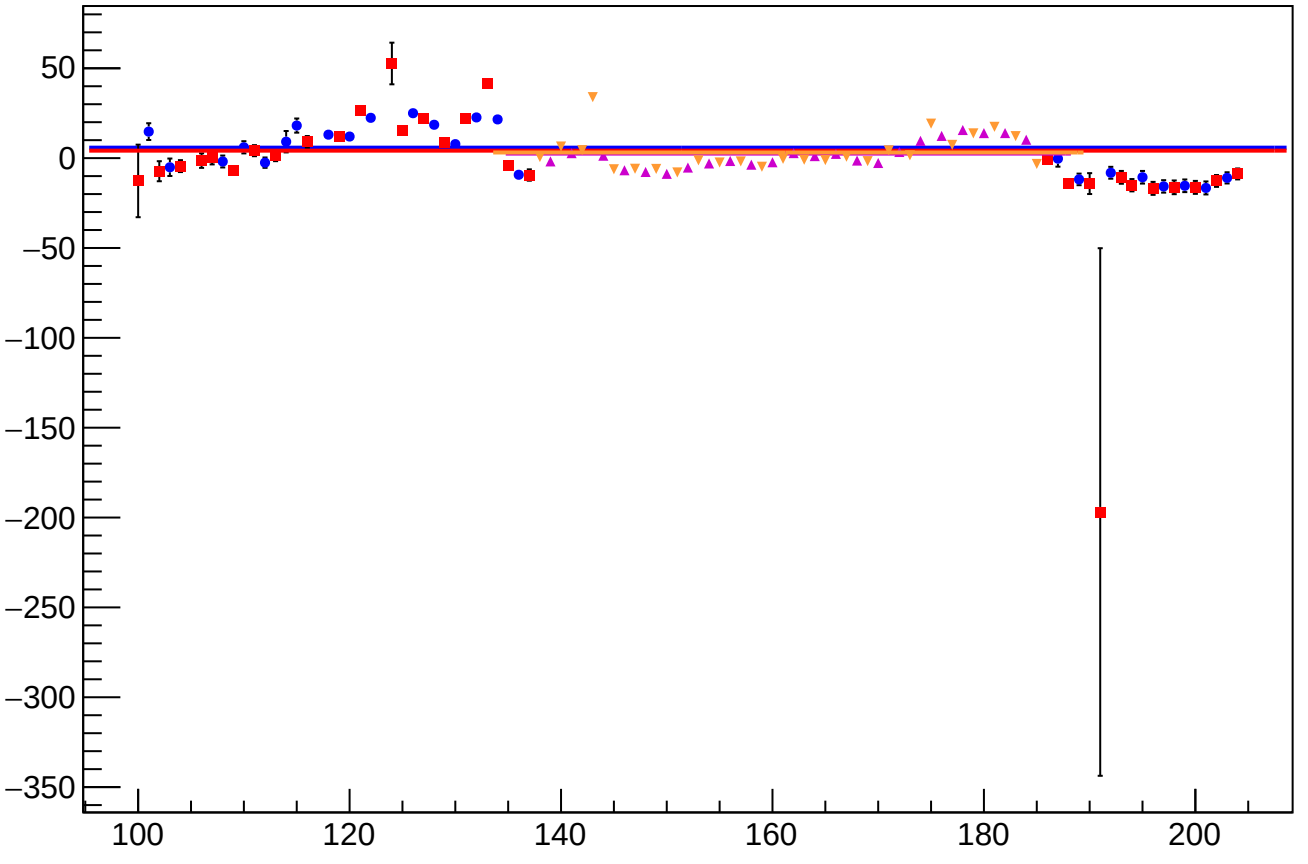
Right Out: 68.887+/-0.398 χ^2/NDF: 4485.3/29

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 48.290+/-0.240 χ^2/NDF: 9324.6/48

All: 48.890+/-0.167 χ^2/NDF: 17858.5/101

\- sign 49.448+/-0.232 χ^2/NDF: 8521.8/52



Right In: 5.826+/-0.558 χ^2/NDF: 626.5/23

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

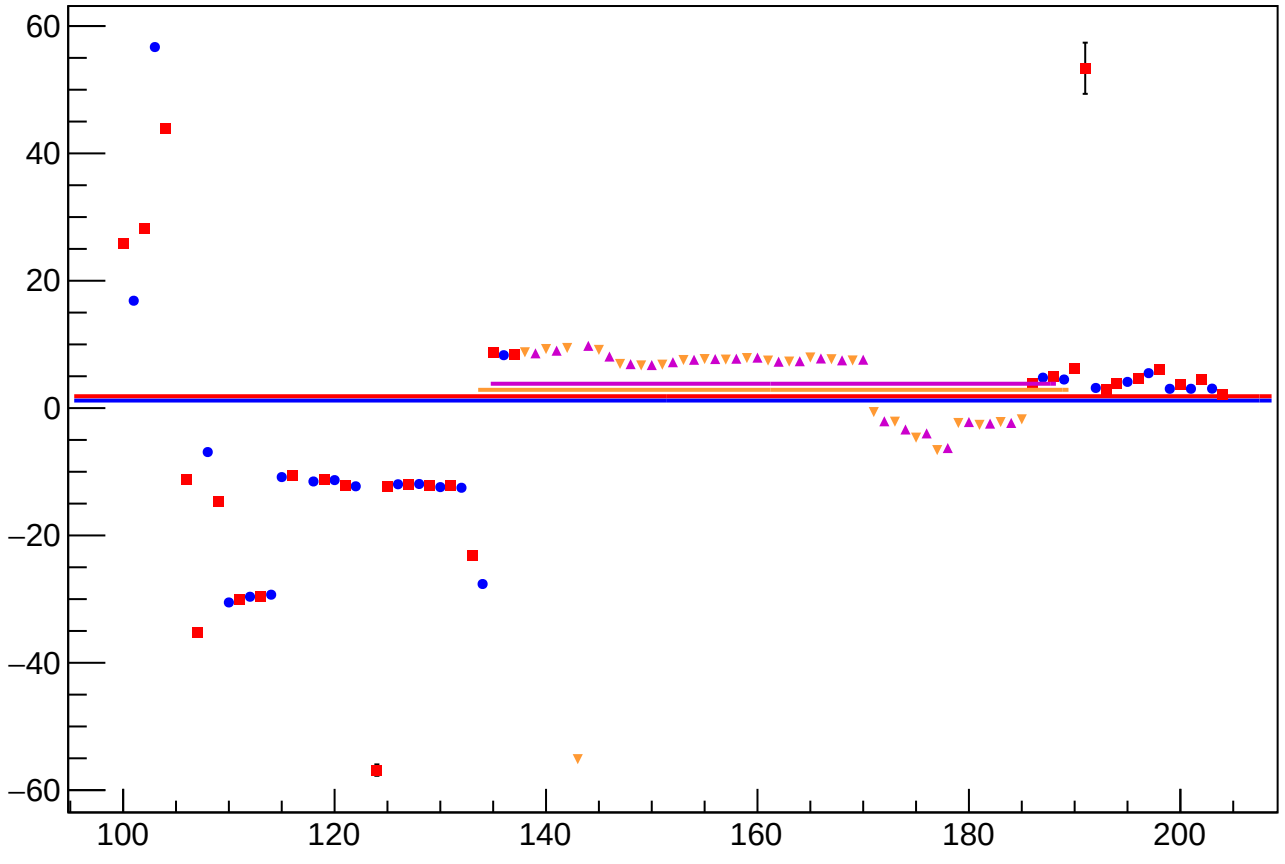
Right Out: 4.164+/-0.538 χ^2/NDF: 840.6/29

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.577+/-0.225 χ^2/NDF: 1912.9/48

All: 3.200+/-0.160 χ^2/NDF: 3735.1/101

- sign 2.813+/-0.228 χ^2/NDF: 1816.4/52



Right In: 1.187+/-0.027 χ^2/NDF: 375137.0/23

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.863+/-0.026 χ^2/NDF: 326109.0/29

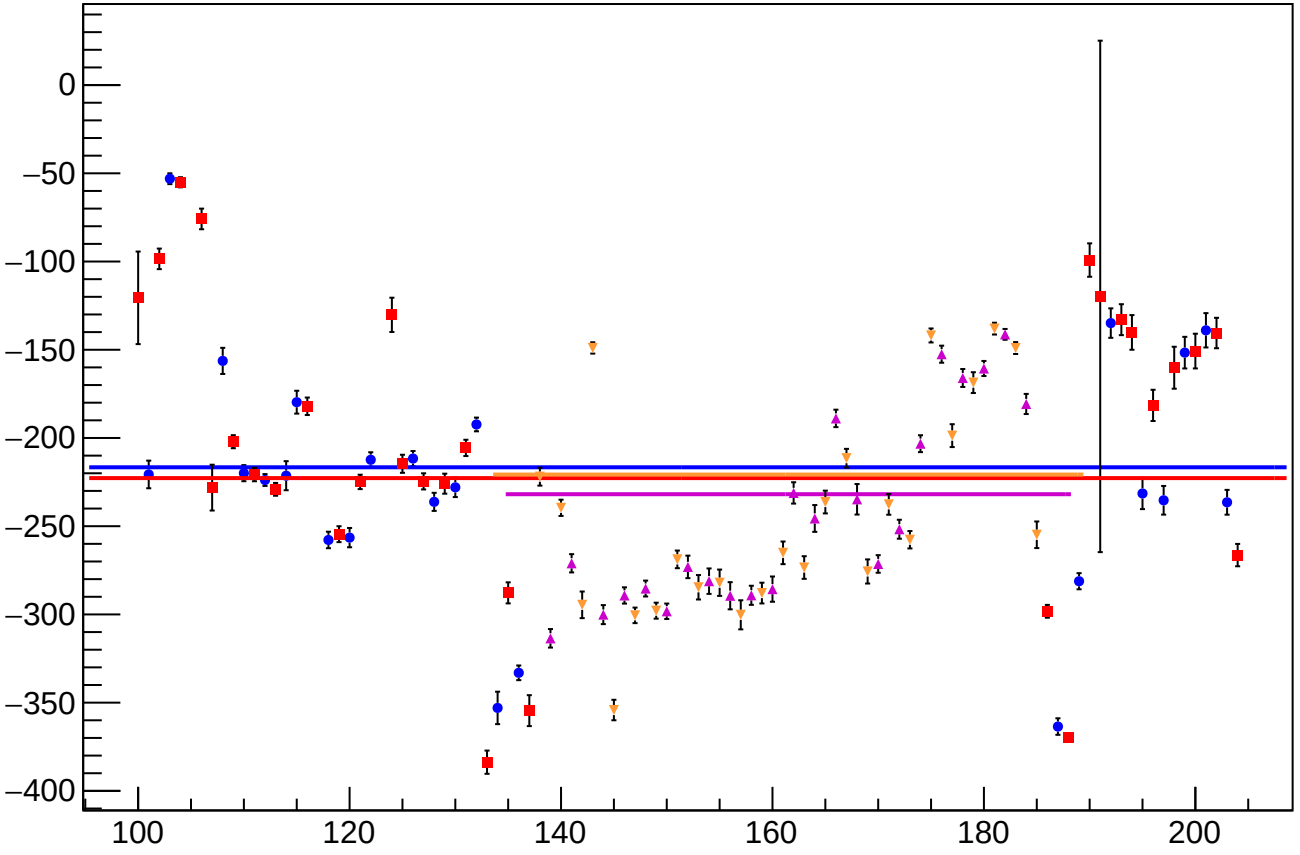
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.631+/-0.010 χ^2/NDF: 890798.4/48

All: 3.076+/-0.007 χ^2/NDF: 1458753.4/101

- sign 3.525+/-0.010 χ^2/NDF: 564114.7/52

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -216.611+/-1.059 χ^2/NDF: 5554.6/23

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -222.737+/-0.940 χ^2/NDF: 10180.7/29

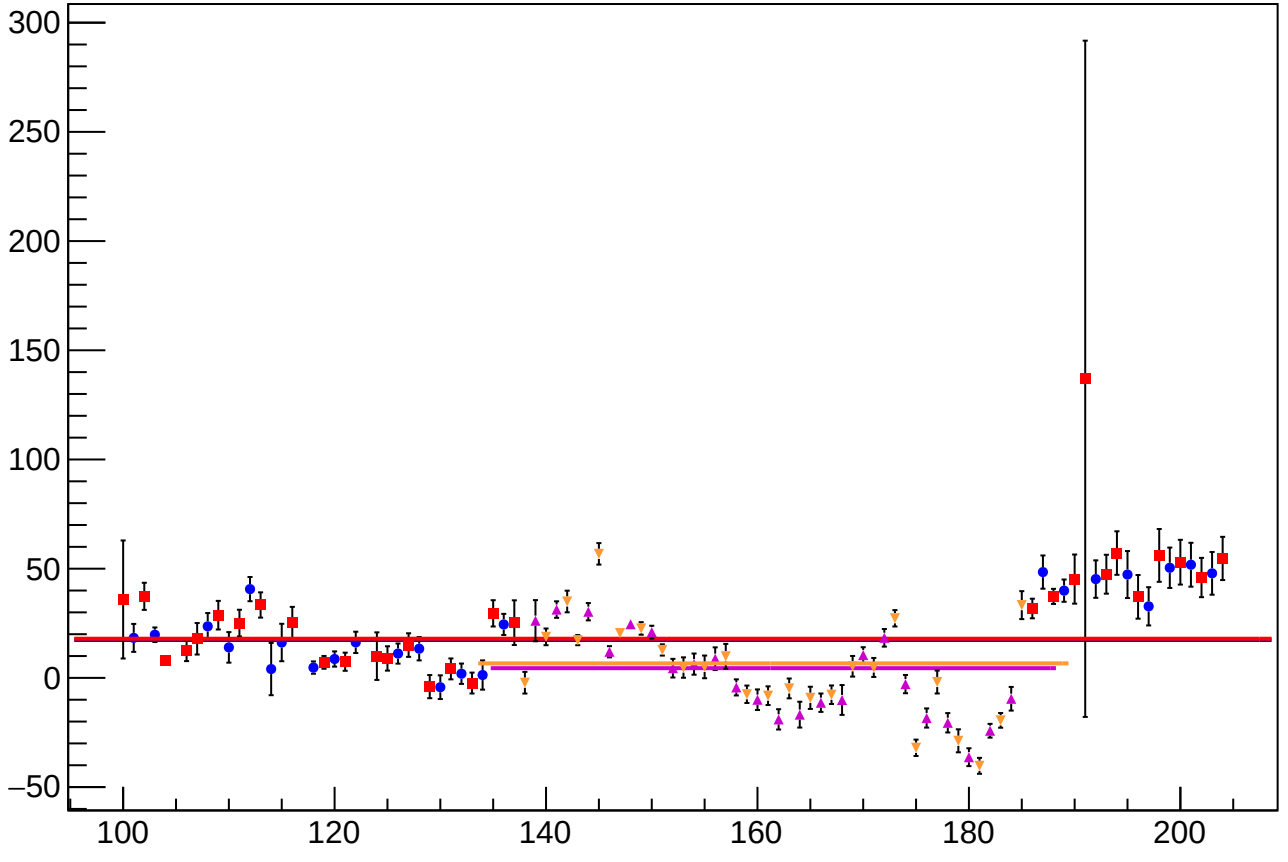
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -218.748+/-0.734 χ^2/NDF: 9614.6/48

All: -222.859+/-0.510 χ^2/NDF: 23057.0/101

- sign -226.684+/-0.708 χ^2/NDF: 13381.8/52

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 17.352+/-1.108 χ^2/NDF: 176.1/23

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

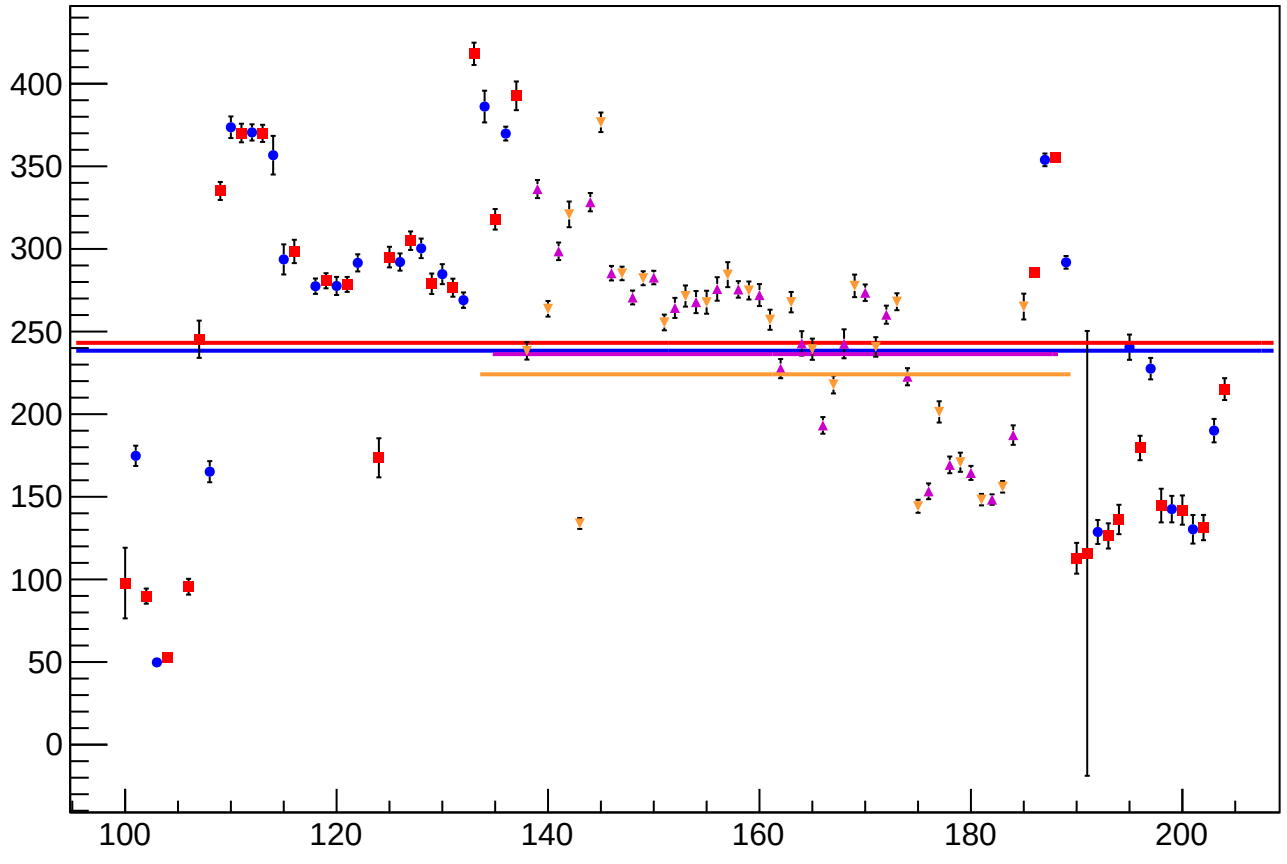
Right Out: 17.927+/-0.996 χ^2/NDF: 236.8/29

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 10.022+/-0.622 χ^2/NDF: 975.0/48

All: 9.906+/-0.442 χ^2/NDF: 1889.6/101

- sign 9.789+/-0.627 χ^2/NDF: 914.5/52



Right In: 238.407+/-1.069 χ^2/NDF: 11091.6/23

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 243.174+/-0.917 χ^2/NDF: 16616.4/29

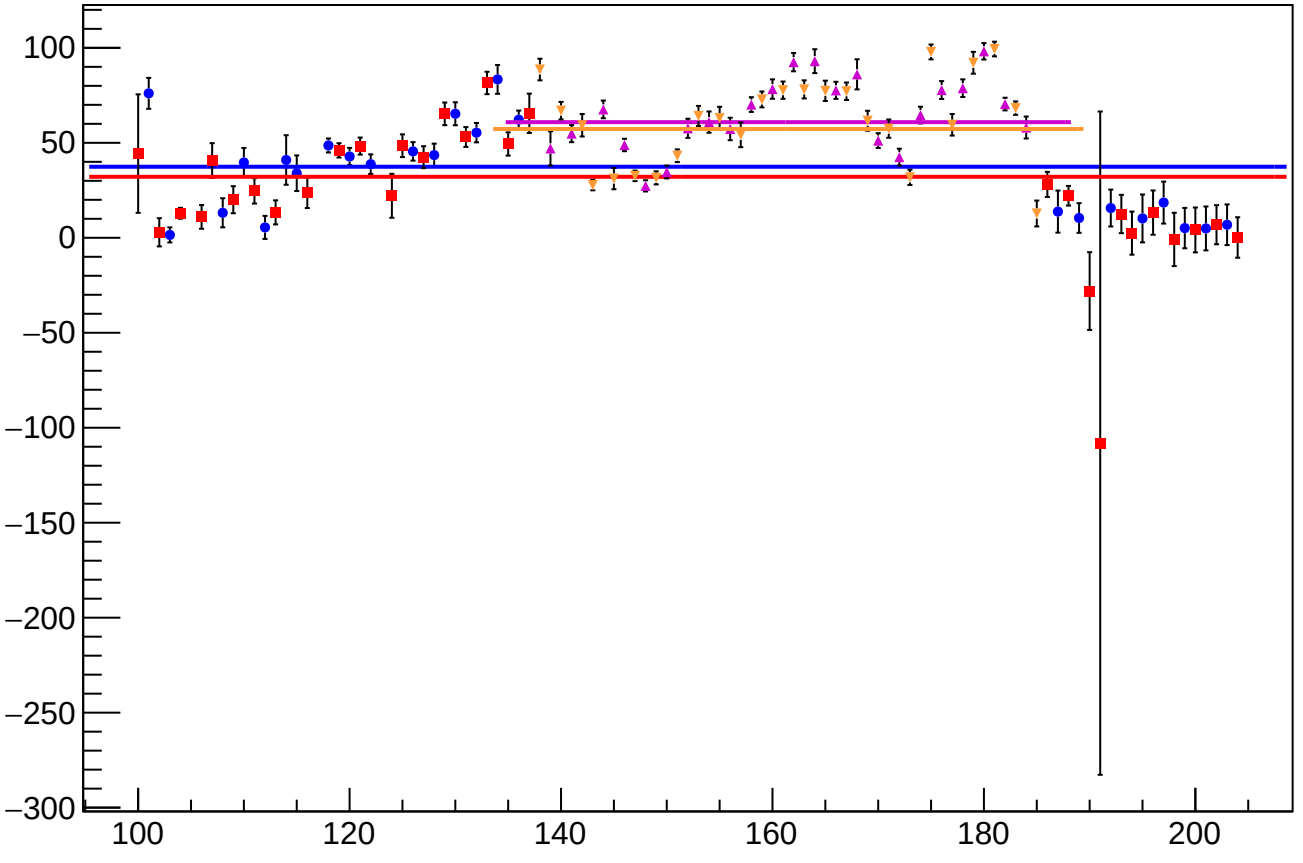
Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 230.883+/-0.736 χ^2/NDF: 15152.2/48

All: 235.841+/-0.505 χ^2/NDF: 34871.2/101

- sign 240.270+/-0.695 χ^2/NDF: 19633.0/52

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 37.402+/-1.306 χ^2/NDF: 307.8/23

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

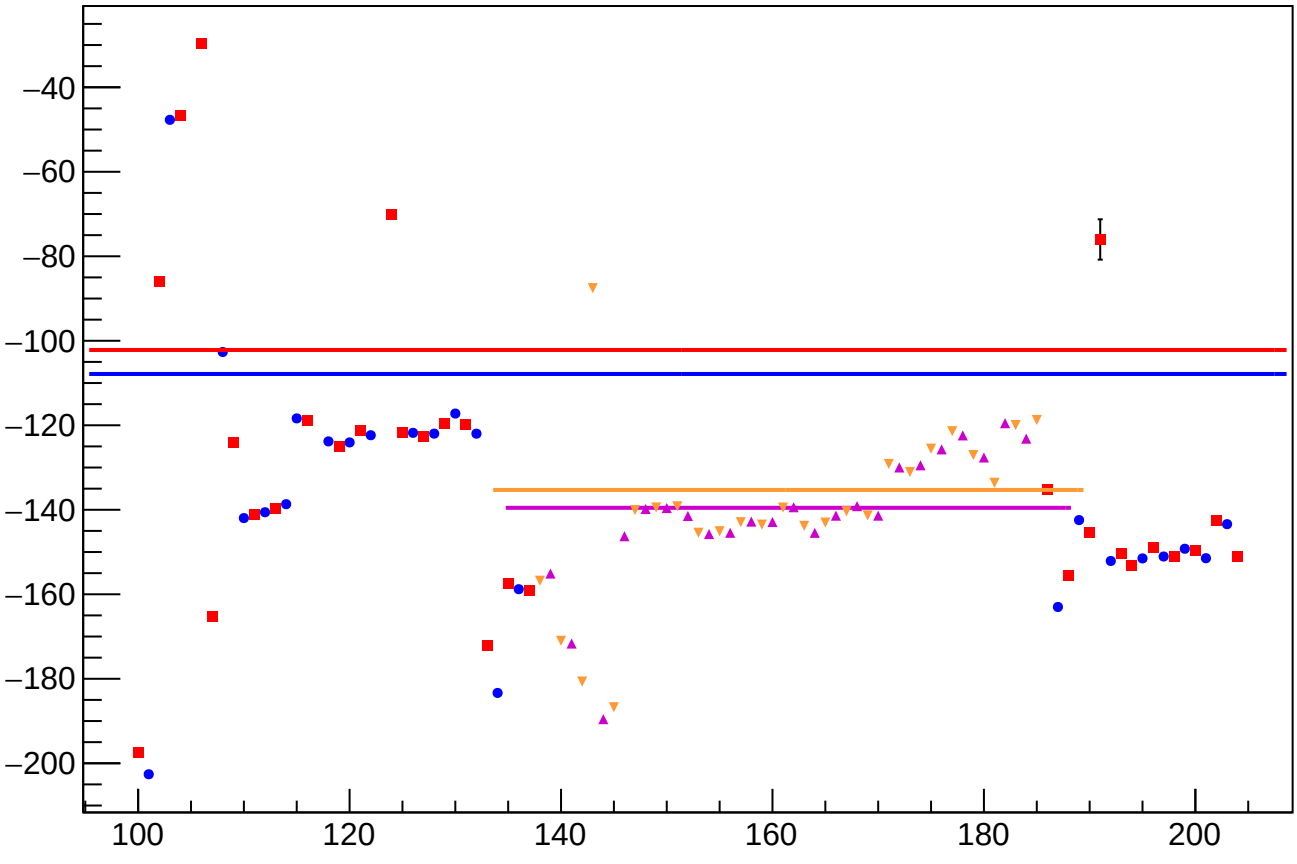
Right Out: 32.117+/-1.200 χ^2/NDF: 313.3/29

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 51.192+/-0.723 χ^2/NDF: 1236.5/48

All: 50.697+/-0.514 χ^2/NDF: 2366.6/101

- sign 50.190+/-0.731 χ^2/NDF: 1129.1/52



Right In: -107.855+/-0.061 χ^2/NDF: 660248.8/23

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -102.175+/-0.058 χ^2/NDF: 718470.5/29

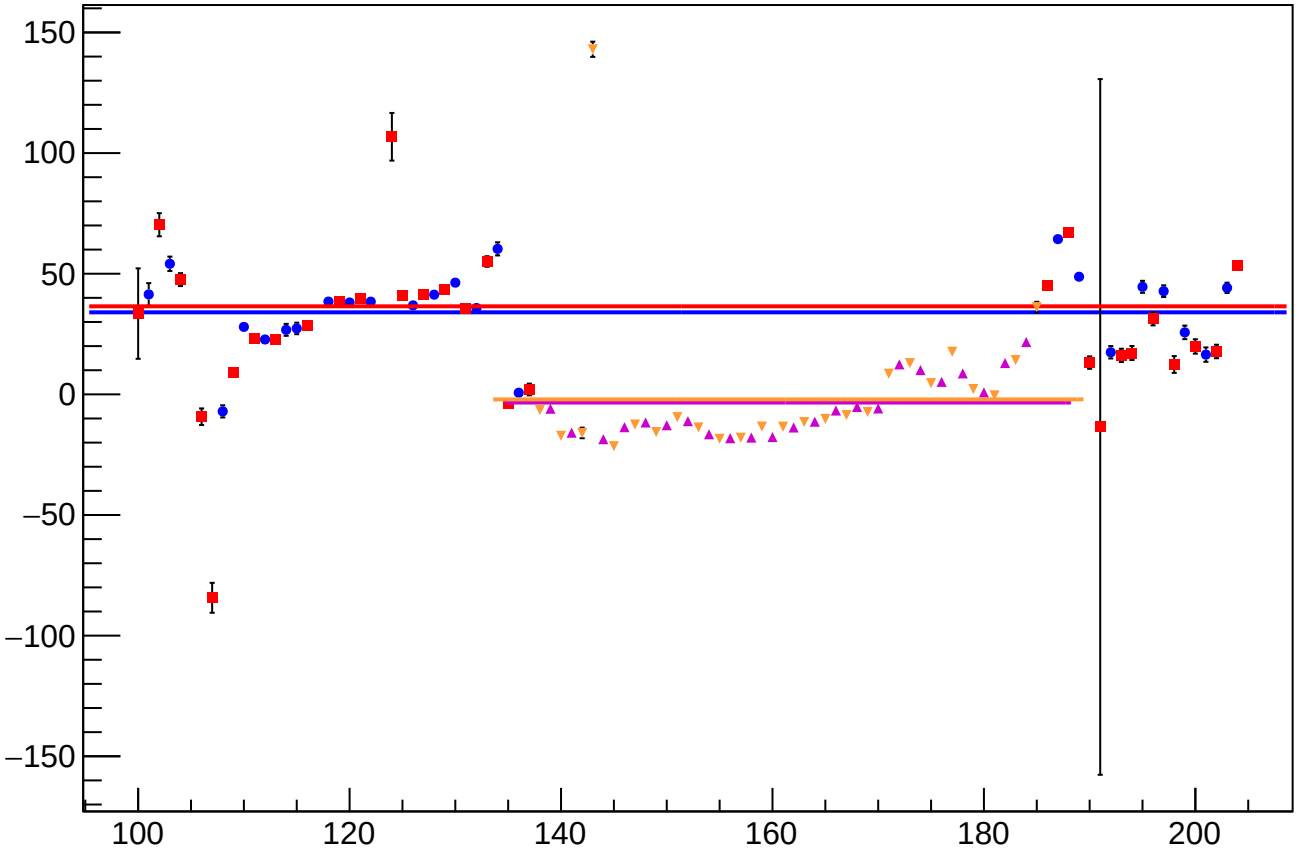
Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -126.883+/-0.034 χ^2/NDF: 1063535.5/48

All: -126.708+/-0.024 χ^2/NDF: 2170456.6/10

- sign -126.531+/-0.034 χ^2/NDF: 1106867.2/52

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 33.997+/-0.362 χ^2/NDF: 2289.6/23

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.488+/-0.312 χ^2/NDF: 4690.1/29

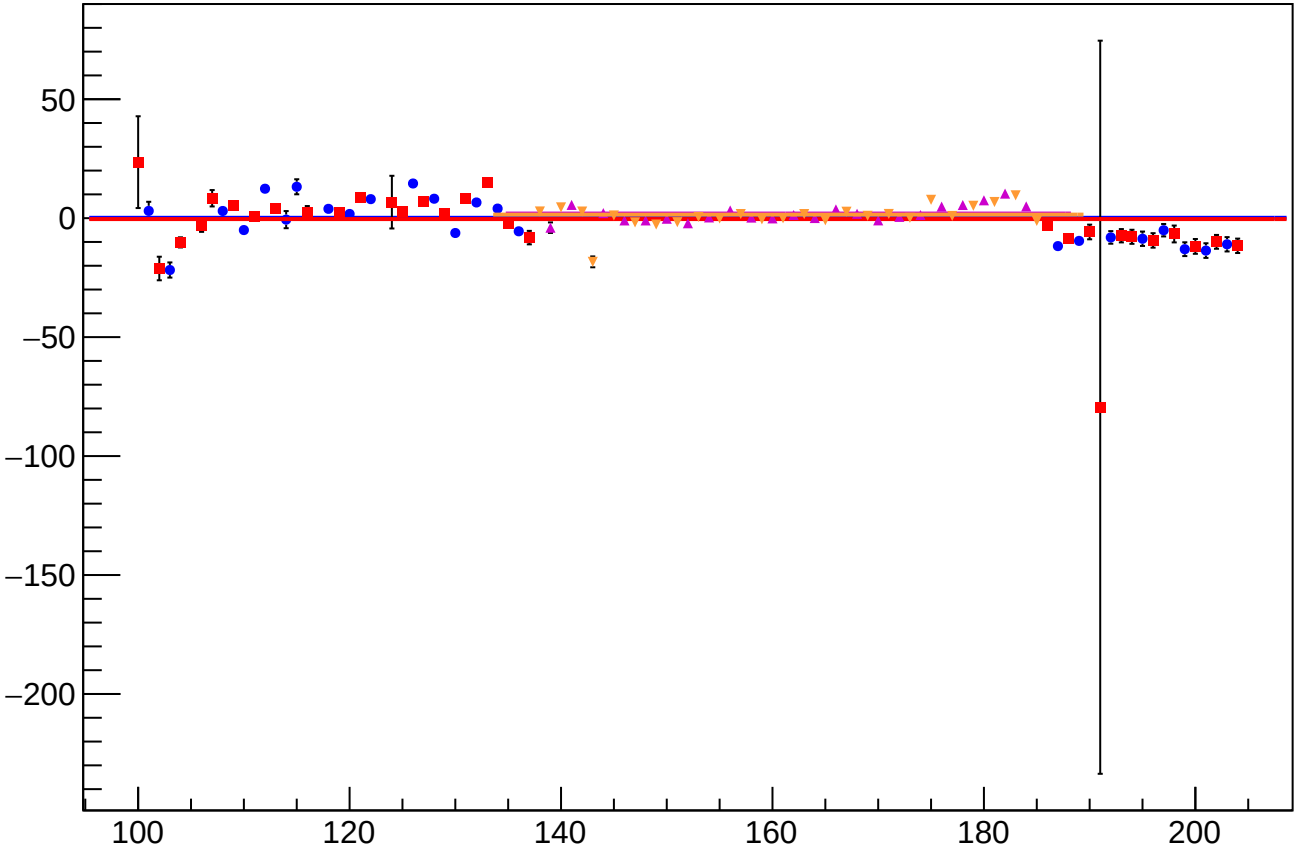
Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 10.632+/-0.215 χ^2/NDF: 12942.7/48

All: 12.268+/-0.148 χ^2/NDF: 28788.5/101

\- sign 13.758+/-0.205 χ^2/NDF: 15734.9/52

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 0.150+/-0.392 χ^2/NDF: 439.0/23

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -0.382+/-0.362 χ^2/NDF: 388.5/29

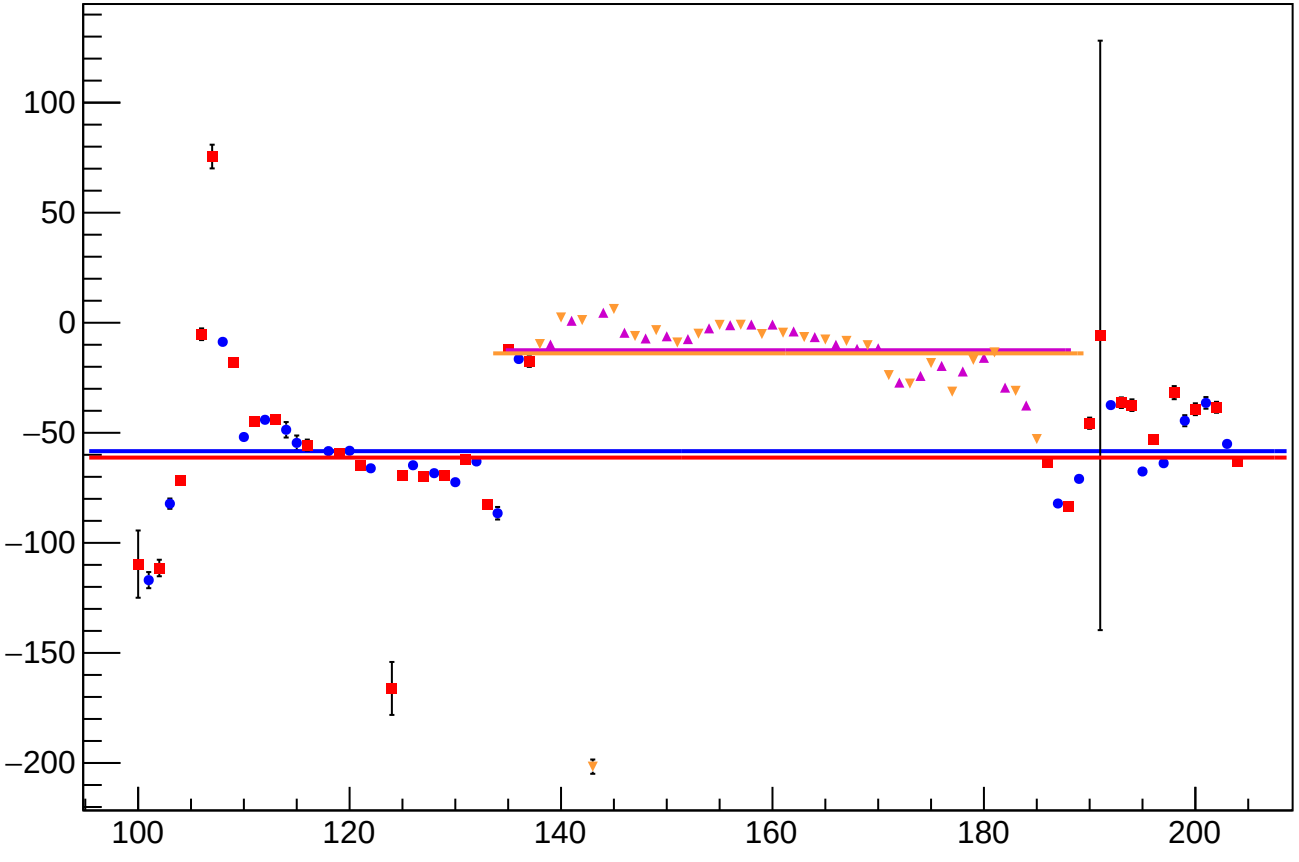
Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.201+/-0.182 χ^2/NDF: 776.8/48

All: 1.275+/-0.129 χ^2/NDF: 1436.8/101

- sign 1.348+/-0.182 χ^2/NDF: 659.7/52

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -58.337+/-0.376 χ^2/NDF: 3326.9/23

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

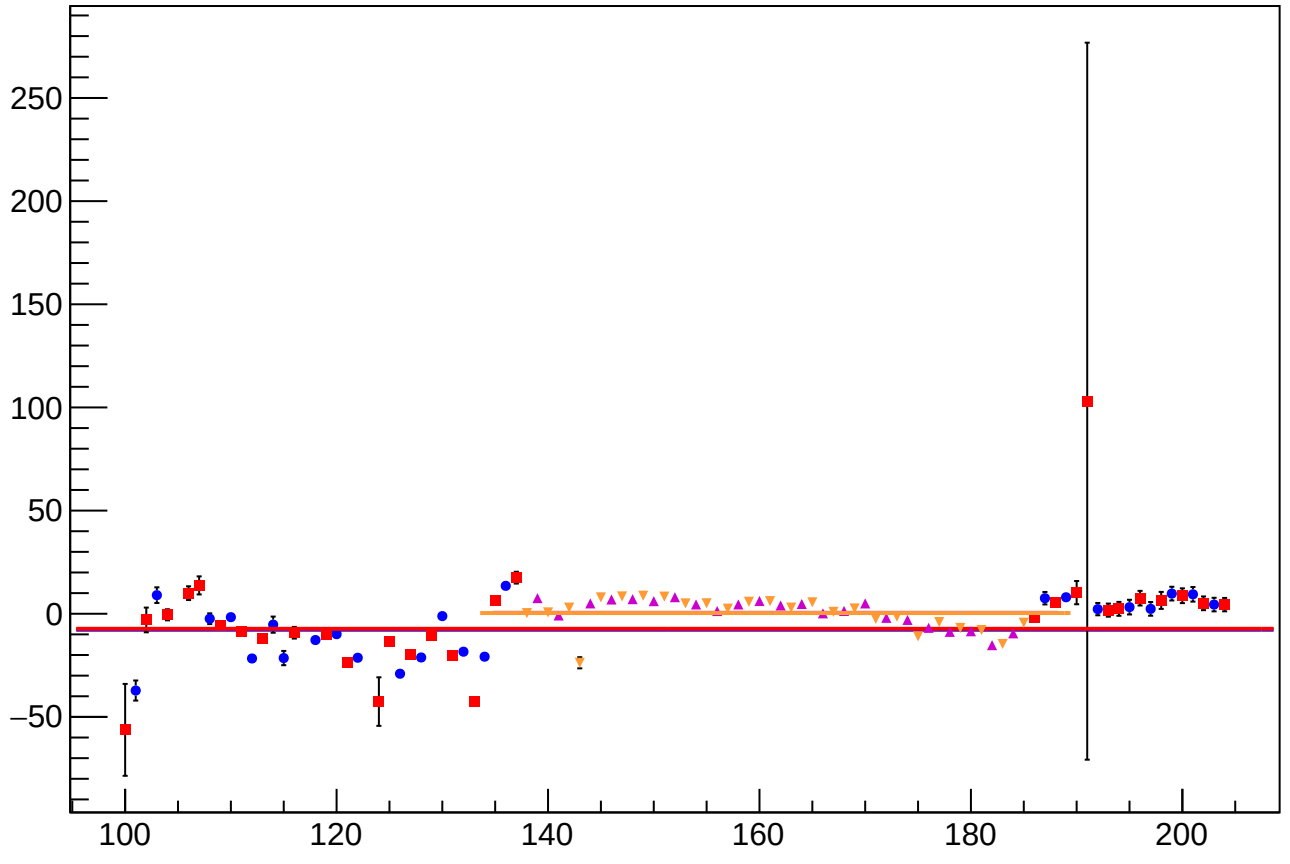
Right Out: -61.255+/-0.308 χ^2/NDF: 5464.0/29

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -28.653+/-0.216 χ^2/NDF: 17804.6/48

All: -31.274+/-0.148 χ^2/NDF: 39207.3/101

- sign -33.569+/-0.202 χ^2/NDF: 21127.5/52



Right In: -7.723+/-0.459 χ^2/NDF: 866.4/23

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

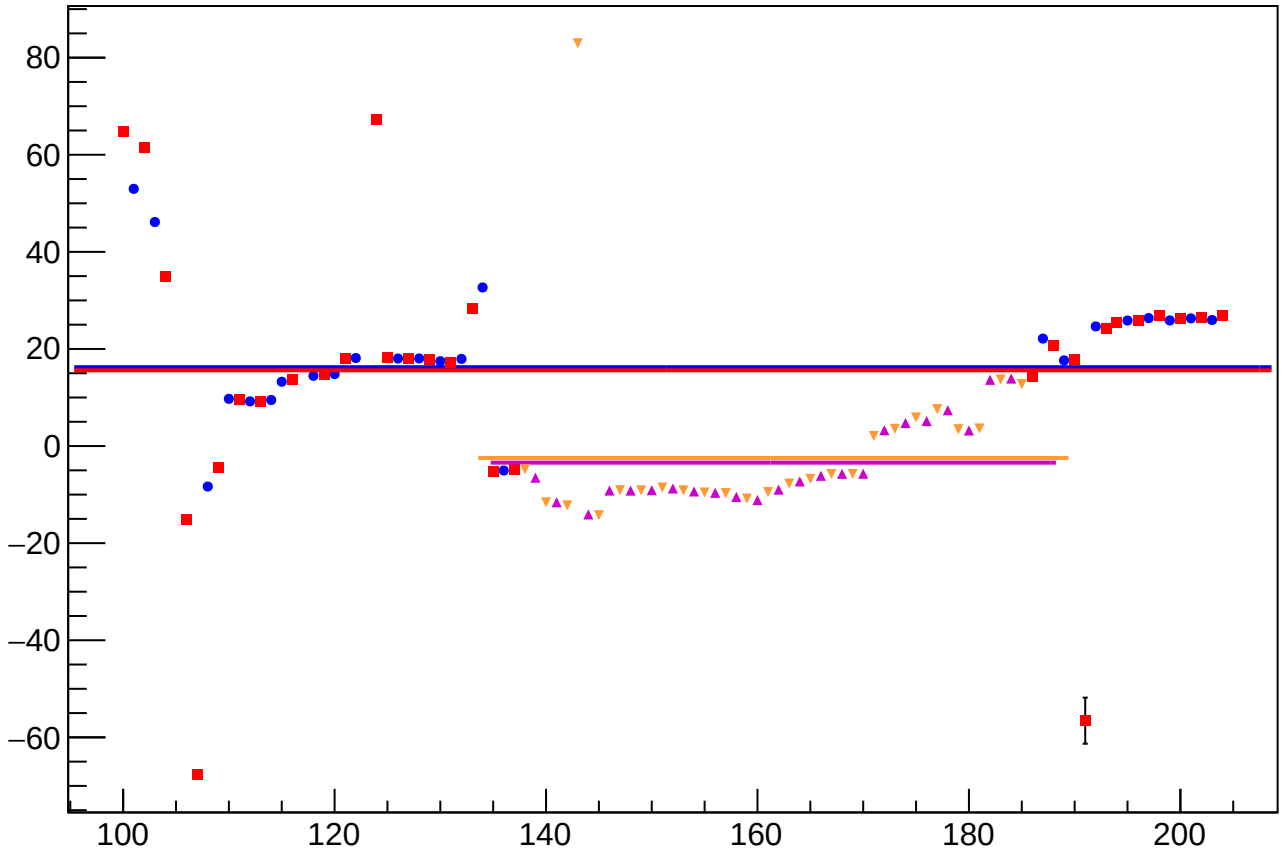
Right Out: -7.306+/-0.437 χ^2/NDF: 914.1/29

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.291+/-0.207 χ^2/NDF: 2035.0/48

All: -1.308+/-0.147 χ^2/NDF: 3974.0/101

\- sign -1.324+/-0.208 χ^2/NDF: 1939.0/52



Right In: 16.242+/-0.024 χ^2/NDF: 428187.6/23

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

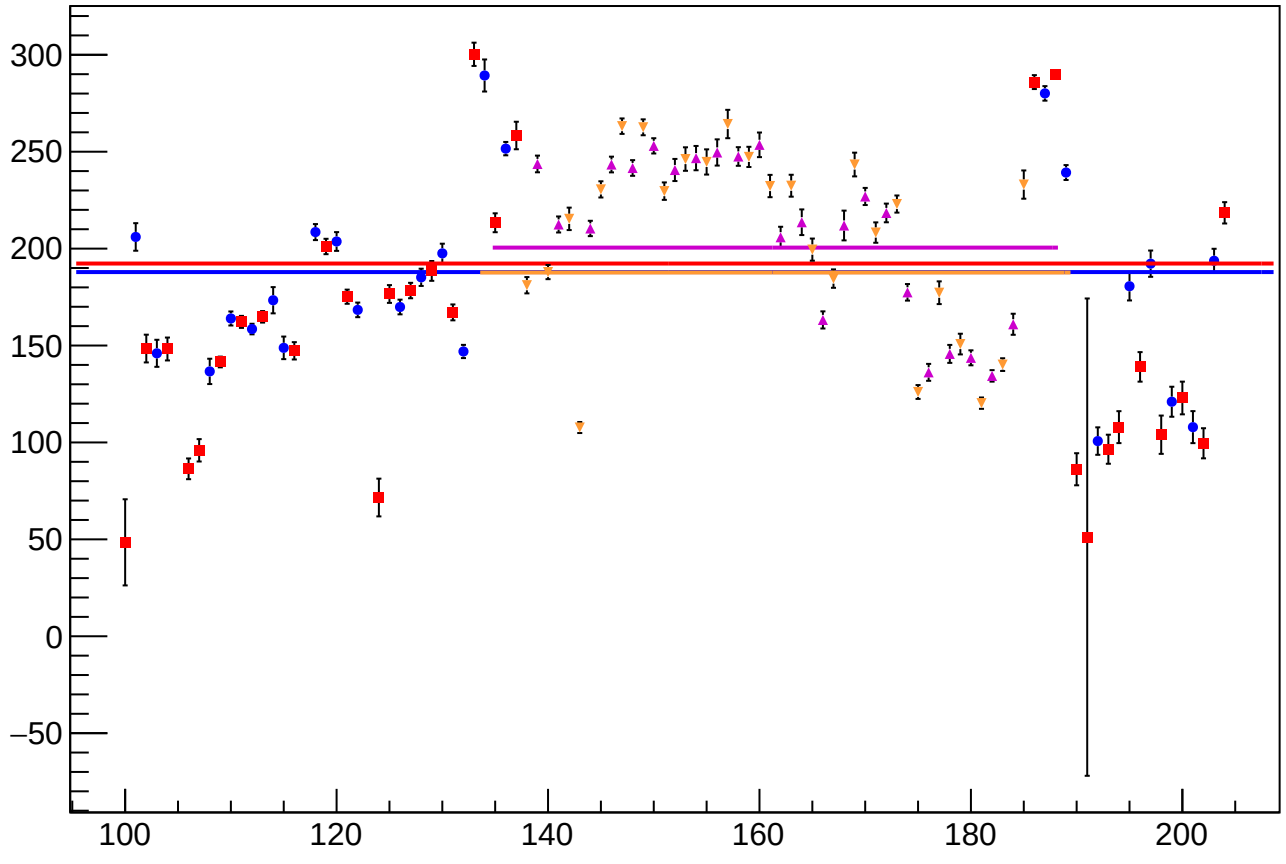
Right Out: 15.607+/-0.023 χ^2/NDF: 553609.9/29

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 0.552+/-0.009 χ^2/NDF: 1913965.7/48

All: 0.194+/-0.007 χ^2/NDF: 3585074.1/101

- sign -0.165+/-0.010 χ^2/NDF: 1668260.2/52



Right In: 187.898+/-0.954 χ^2/NDF: 2143.3/23

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

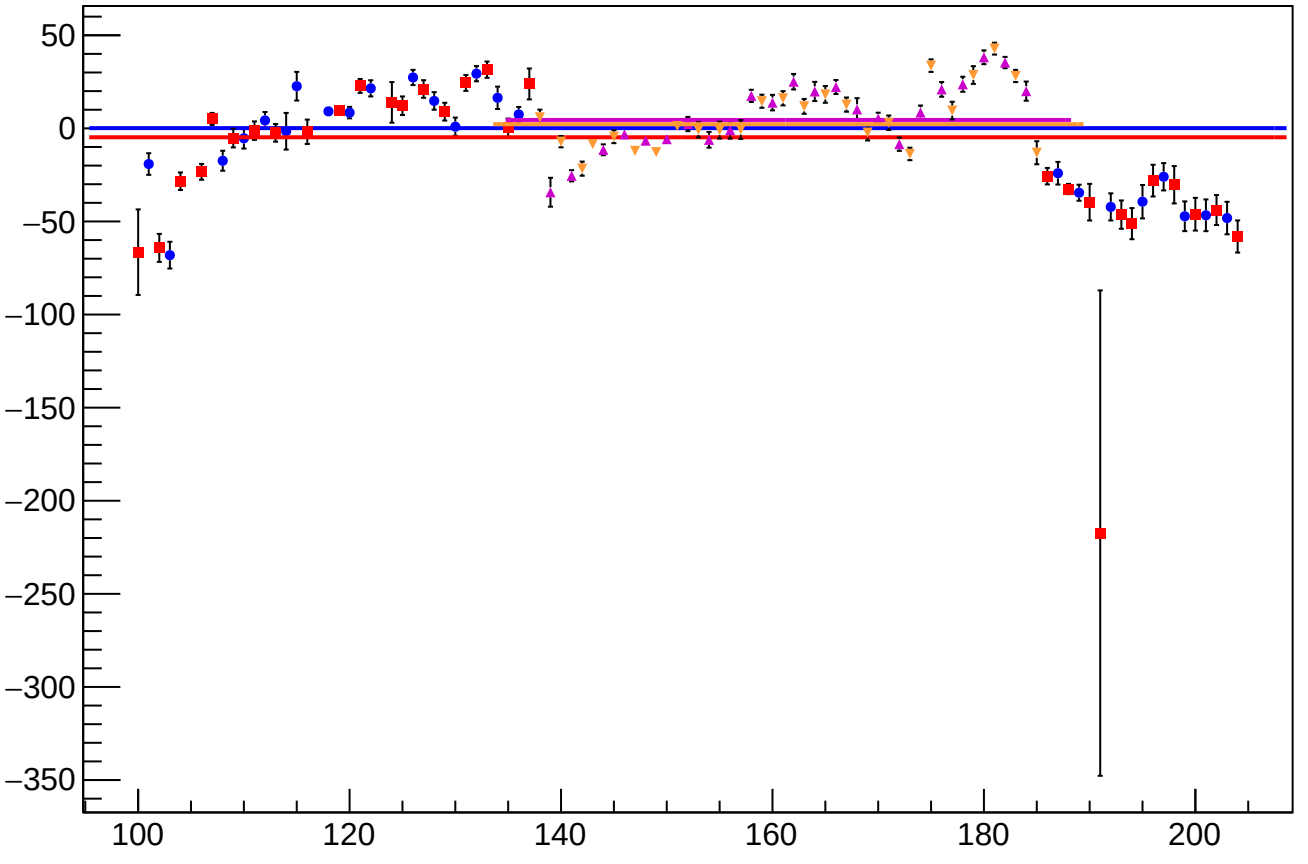
Right Out: 192.306+/-0.836 χ^2/NDF: 5995.4/29

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 187.783+/-0.654 χ^2/NDF: 5671.7/48

All: 191.982+/-0.453 χ^2/NDF: 13899.8/101

\- sign 195.869+/-0.629 χ^2/NDF: 8148.7/52



Right In: 0.120+/-1.010 χ^2/NDF: 524.5/23

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -4.791+/-0.922 χ^2/NDF: 689.4/29

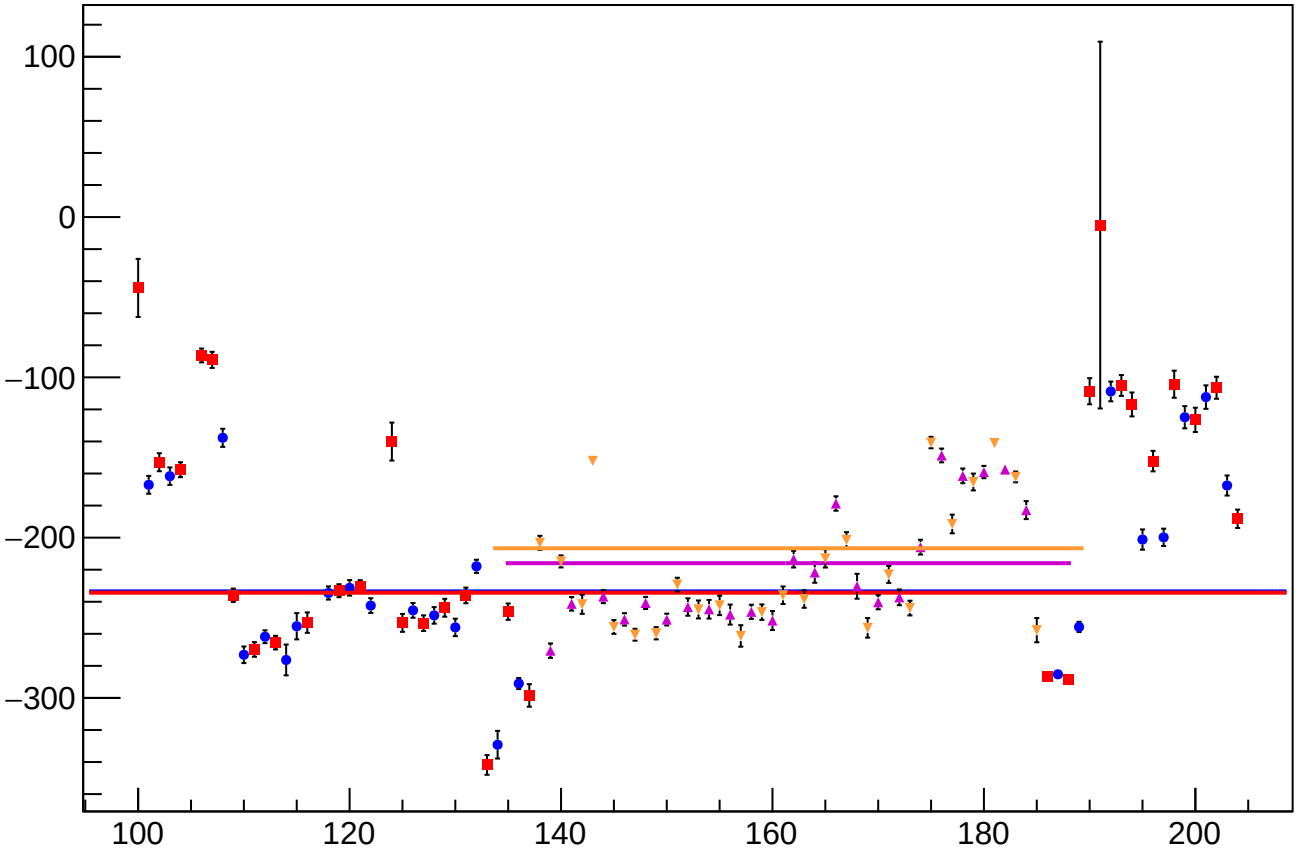
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 1.603+/-0.555 χ^2/NDF: 1128.4/48

All: 1.319+/-0.396 χ^2/NDF: 2429.1/101

- sign 1.024+/-0.565 χ^2/NDF: 1300.2/52

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -233.533+/-1.001 χ^2/NDF: 2620.8/23

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

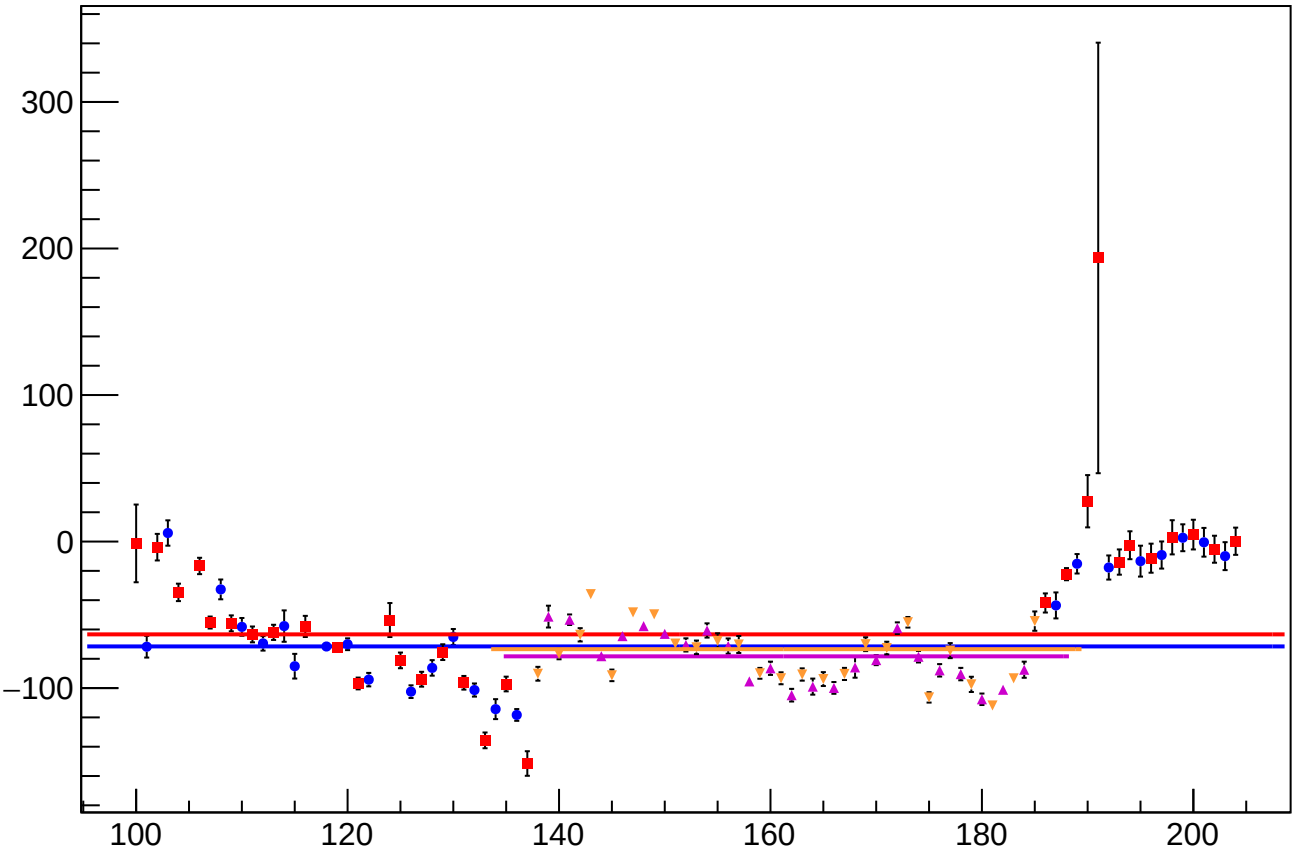
Right Out: -234.356+/-0.844 χ^2/NDF: 6621.8/29

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

\+ sign -218.574+/-0.667 χ^2/NDF: 5490.6/48

All: -222.606+/-0.458 χ^2/NDF: 14104.5/101

\- sign -226.199+/-0.630 χ^2/NDF: 8544.8/52



Right In: -71.558+/-1.188 χ^2/NDF: 786.2/23

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -63.333+/-1.104 χ^2/NDF: 1067.2/29

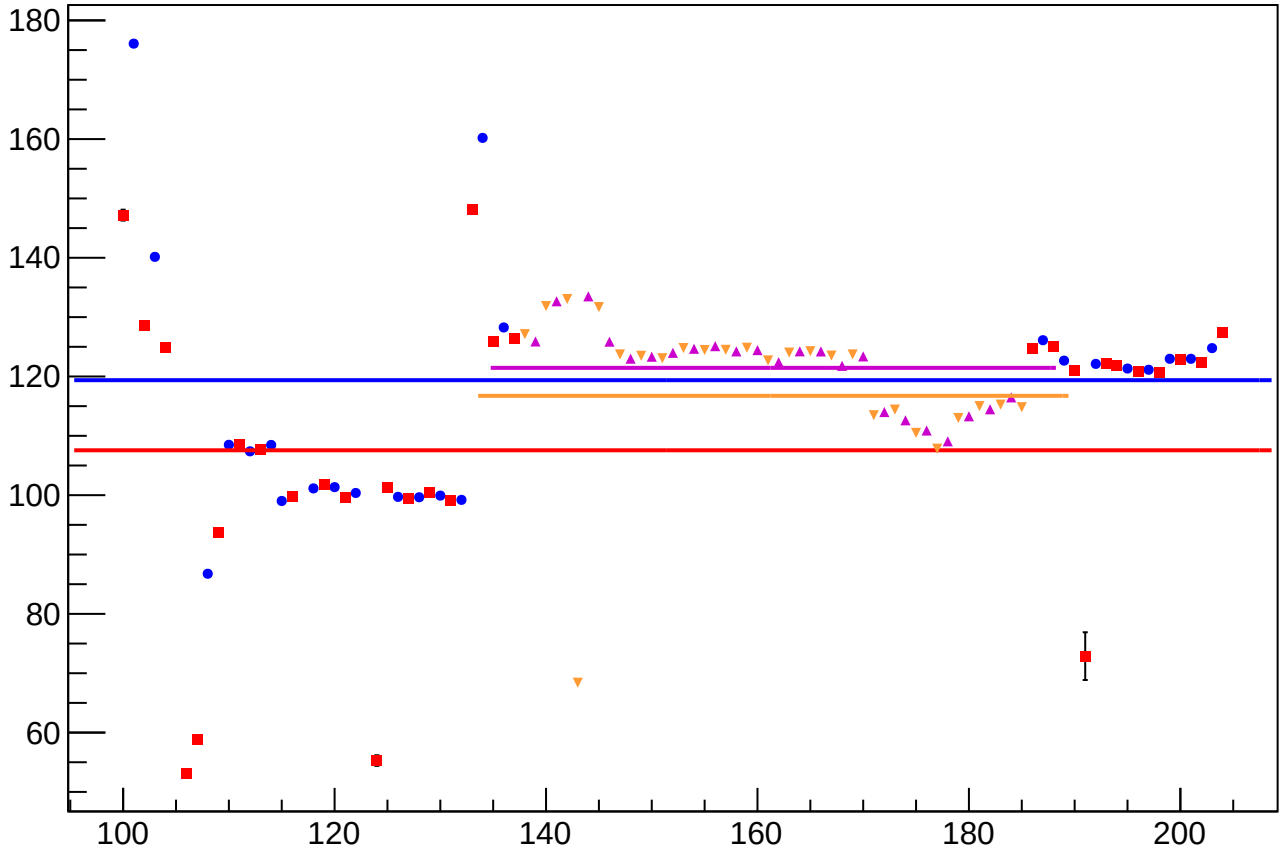
Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -72.877+/-0.644 χ^2/NDF: 1624.5/48

All: -72.946+/-0.460 χ^2/NDF: 3254.2/101

- sign -73.019+/-0.657 χ^2/NDF: 1629.6/52

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug



Right In: 119.375+/-0.064 χ^2/NDF: 96938.7/23

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

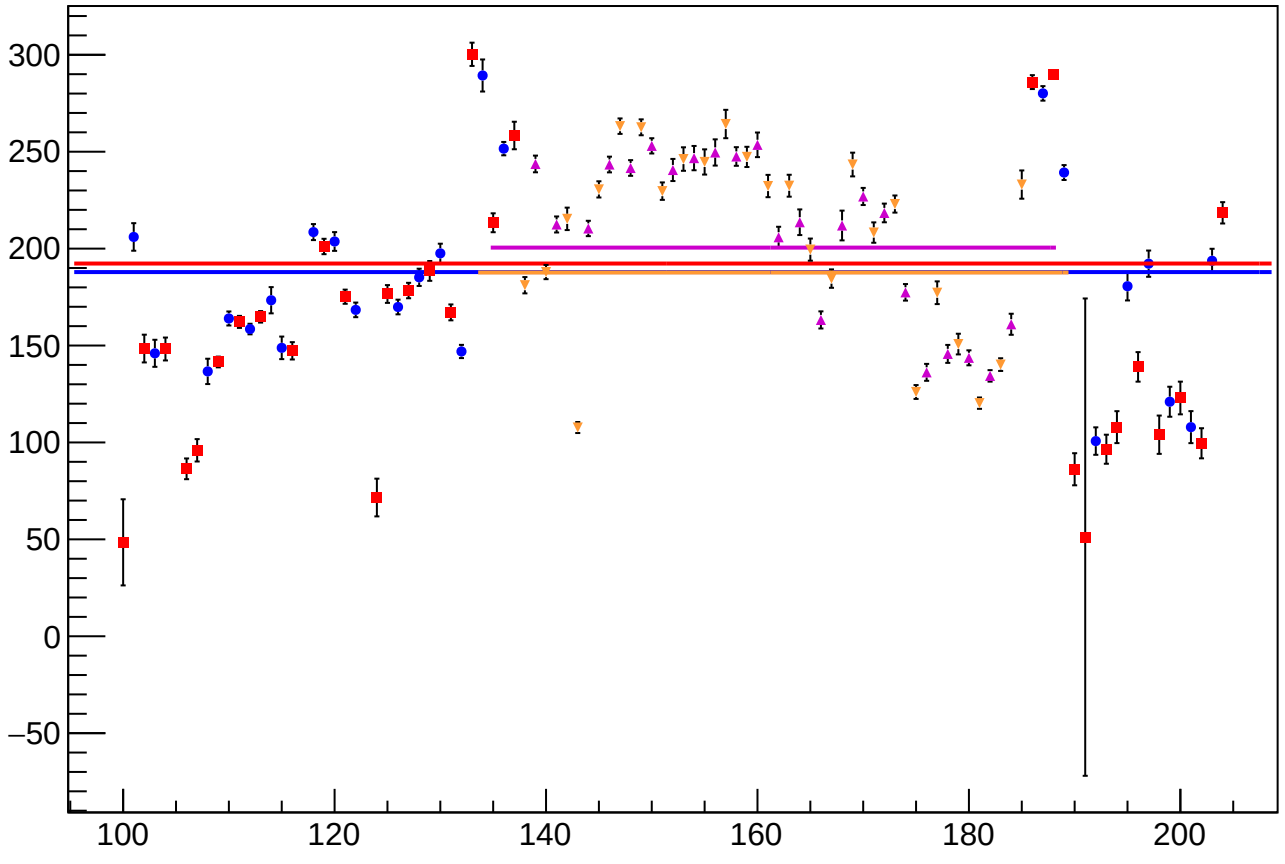
Right Out: 107.563+/-0.057 χ^2/NDF: 204179.3/29

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

\+ sign 117.374+/-0.031 χ^2/NDF: 301891.1/48

All: 117.335+/-0.022 χ^2/NDF: 576465.3/101

\- sign 117.296+/-0.031 χ^2/NDF: 274571.1/52



Right In: 187.898+/-0.954 χ^2/NDF: 2143.3/23

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

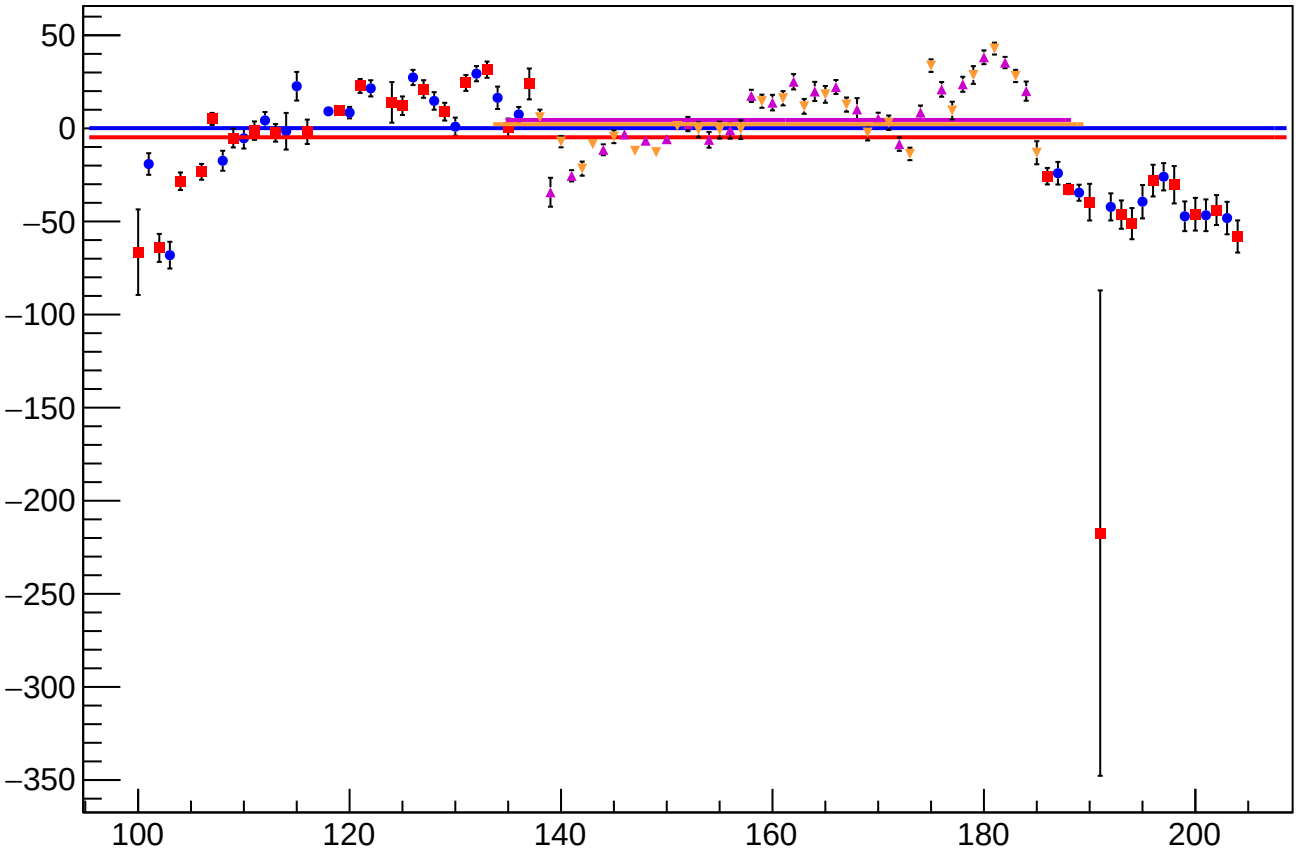
Right Out: 192.306+/-0.836 χ^2/NDF: 5995.4/29

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 187.783+/-0.654 χ^2/NDF: 5671.7/48

All: 191.982+/-0.453 χ^2/NDF: 13899.8/101

\- sign 195.869+/-0.629 χ^2/NDF: 8148.7/52



Right In: 0.120+/-1.010 χ^2/NDF: 524.5/23

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

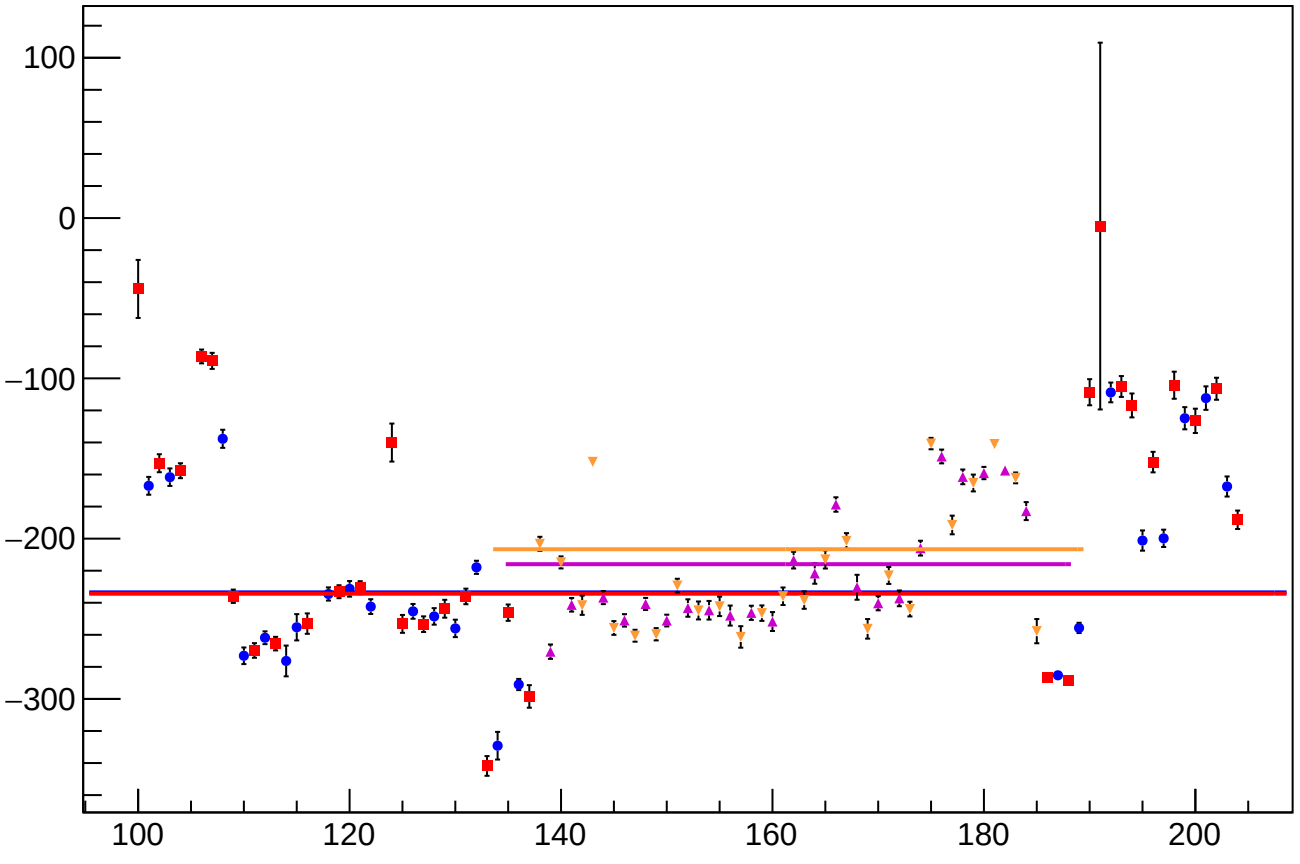
Right Out: -4.791+/-0.922 χ^2/NDF: 689.4/29

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 1.603+/-0.555 χ^2/NDF: 1128.4/48

All: 1.319+/-0.396 χ^2/NDF: 2429.1/101

- sign 1.024+/-0.565 χ^2/NDF: 1300.2/52



Right In: -233.533+/-1.001 χ^2/NDF: 2620.8/23

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

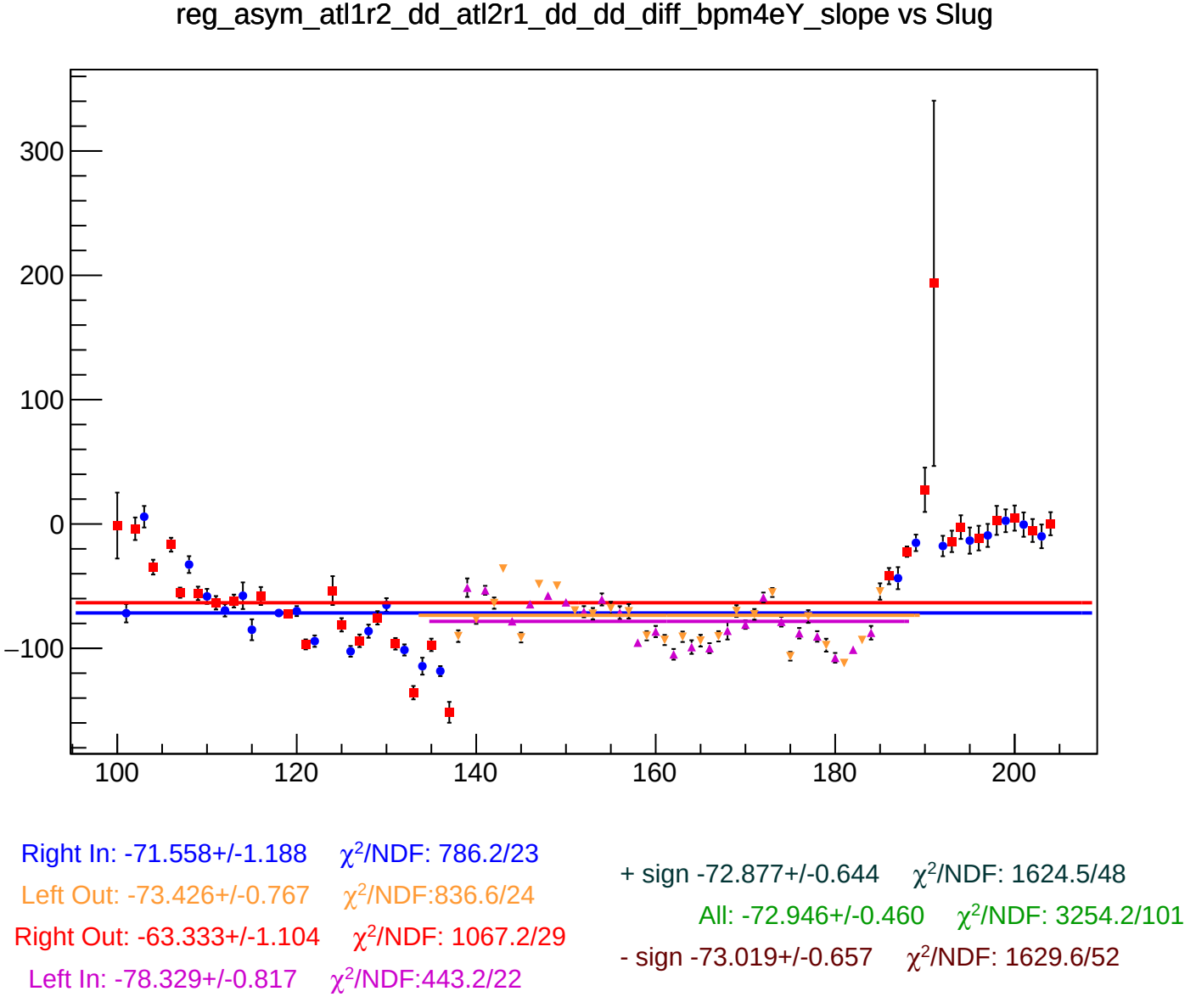
Right Out: -234.356+/-0.844 χ^2/NDF: 6621.8/29

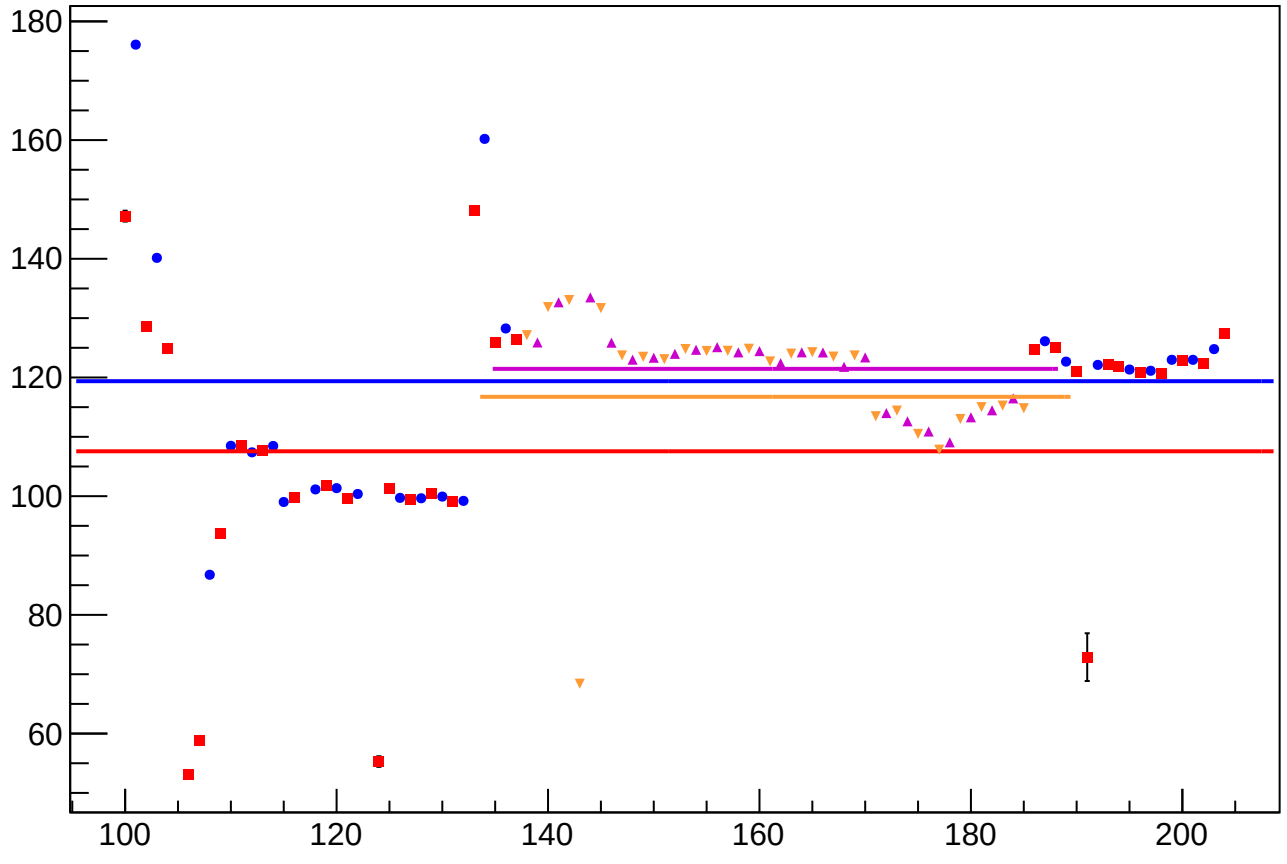
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.574+/-0.667 χ^2/NDF: 5490.6/48

All: -222.606+/-0.458 χ^2/NDF: 14104.5/101

- sign -226.199+/-0.630 χ^2/NDF: 8544.8/52


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug
300
200
100
0
−100
100
120
140
160
180
200
Right In: -71.558+/-1.188 χ²/NDF: 786.2/23
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -63.333+/-1.104 χ²/NDF: 1067.2/29
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
+ sign -72.877+/-0.644 χ²/NDF: 1624.5/48
All: -72.946+/-0.460 χ²/NDF: 3254.2/101
- sign -73.019+/-0.657 χ²/NDF: 1629.6/52



Right In: 119.375+/-0.064 χ^2/NDF: 96938.7/23

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

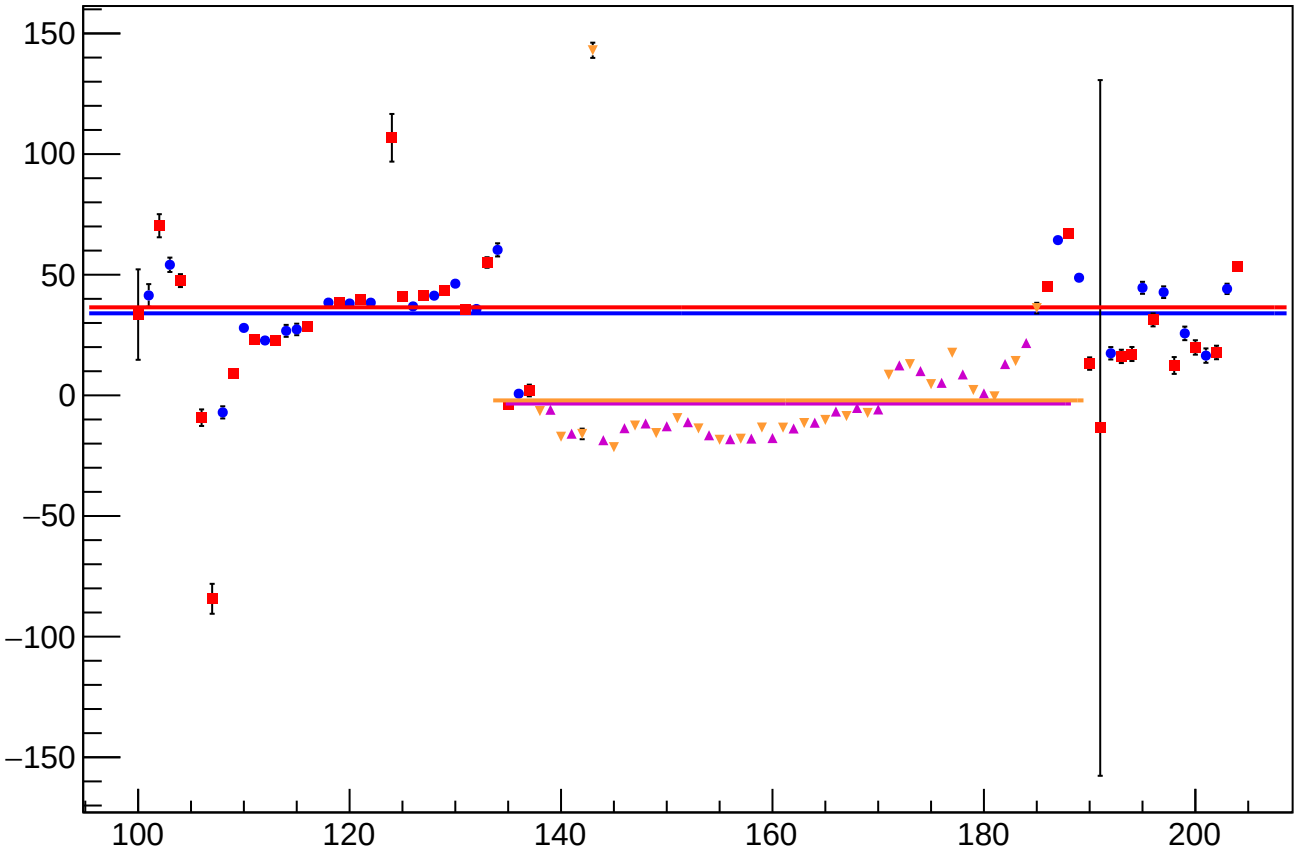
Right Out: 107.563+/-0.057 χ^2/NDF: 204179.3/29

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

\+ sign 117.374+/-0.031 χ^2/NDF: 301891.1/48

All: 117.335+/-0.022 χ^2/NDF: 576465.3/101

\- sign 117.296+/-0.031 χ^2/NDF: 274571.1/52



Right In: 33.997+/-0.362 χ^2/NDF: 2289.6/23

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

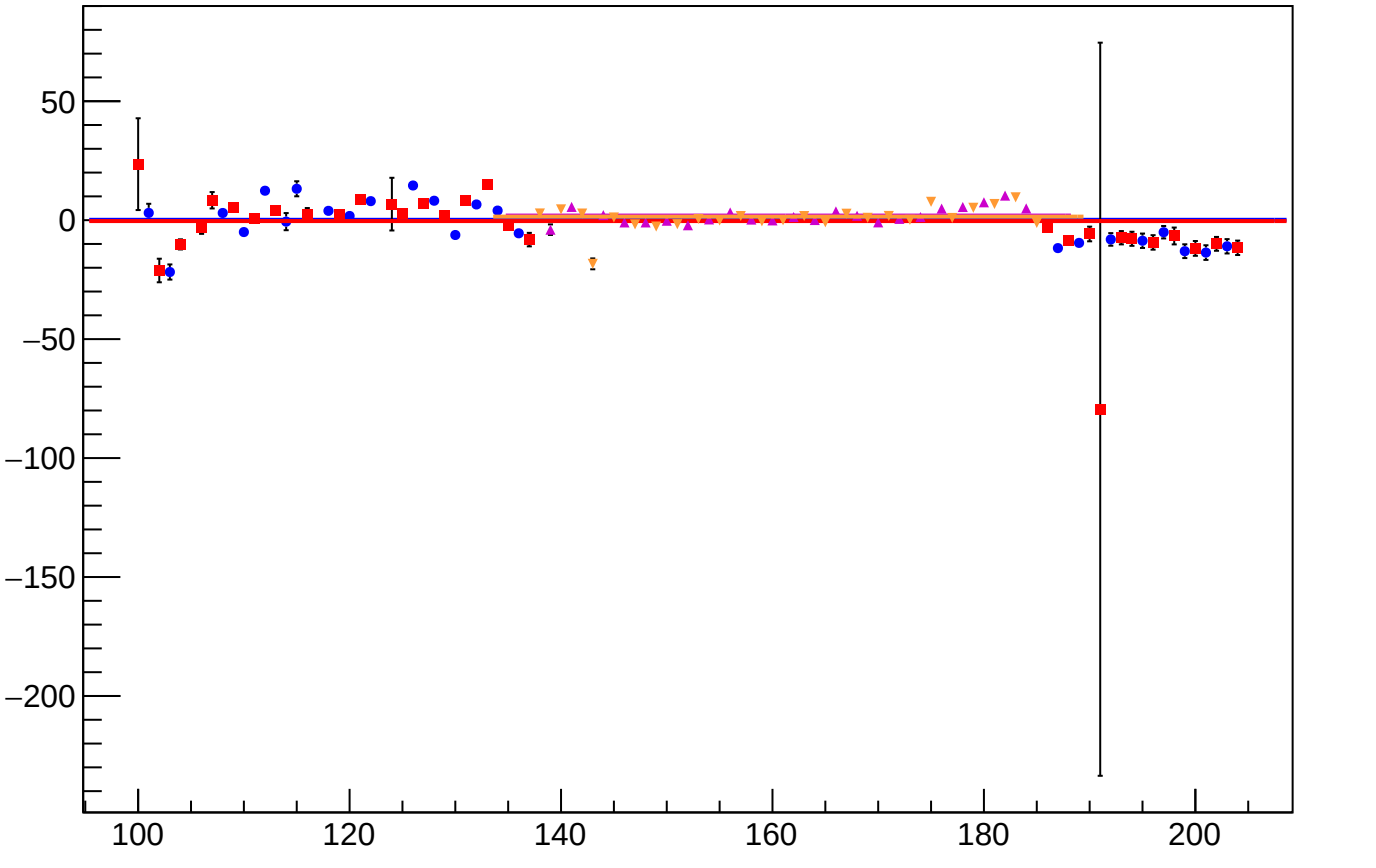
Right Out: 36.488+/-0.312 χ^2/NDF: 4690.1/29

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 10.632+/-0.215 χ^2/NDF: 12942.7/48

All: 12.268+/-0.148 χ^2/NDF: 28788.5/101

- sign 13.758+/-0.205 χ^2/NDF: 15734.9/52



Right In: 0.150+/-0.392 χ^2/NDF: 439.0/23

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

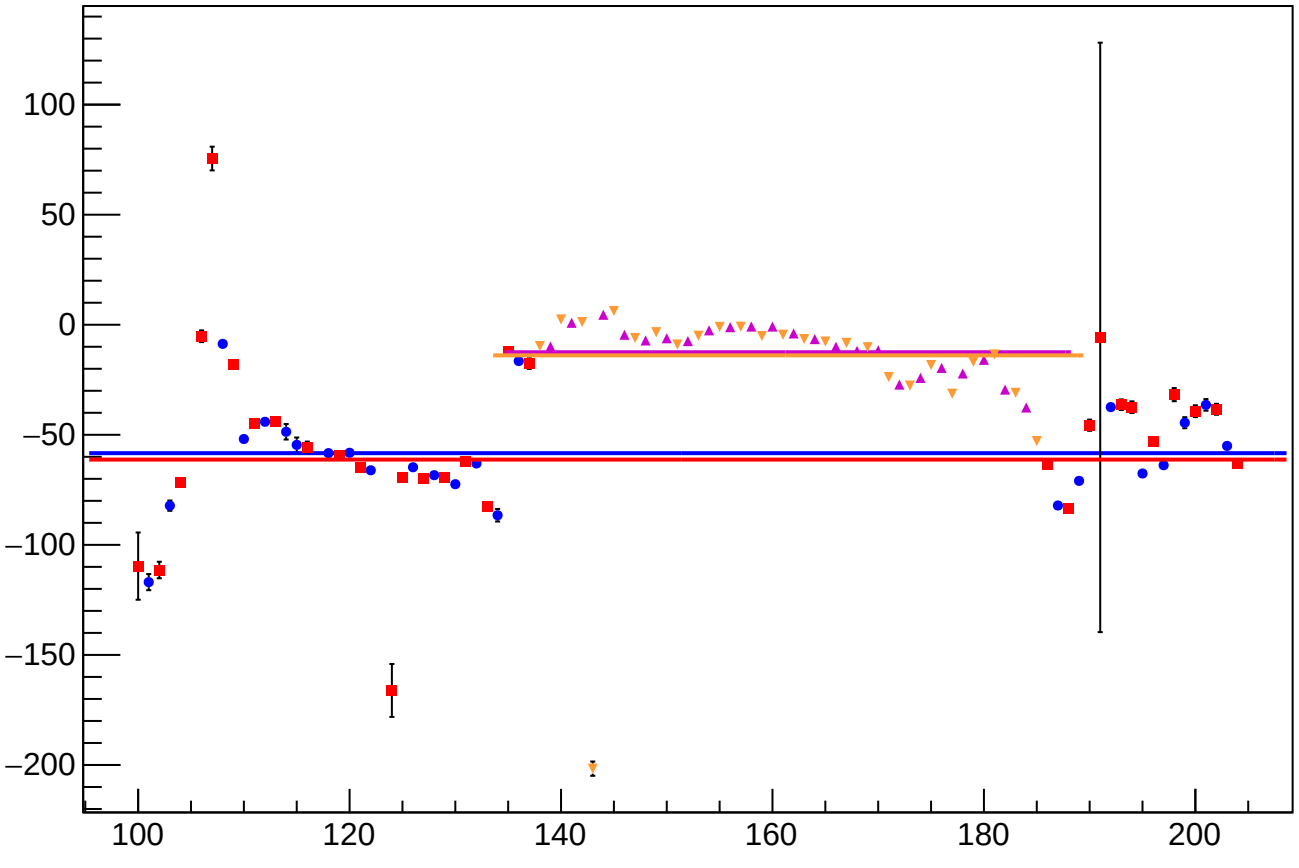
Right Out: -0.382+/-0.362 χ^2/NDF: 388.5/29

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.201+/-0.182 χ^2/NDF: 776.8/48

All: 1.275+/-0.129 χ^2/NDF: 1436.8/101

\- sign 1.348+/-0.182 χ^2/NDF: 659.7/52



Right In: -58.337+/-0.376 χ^2/NDF: 3326.9/23

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

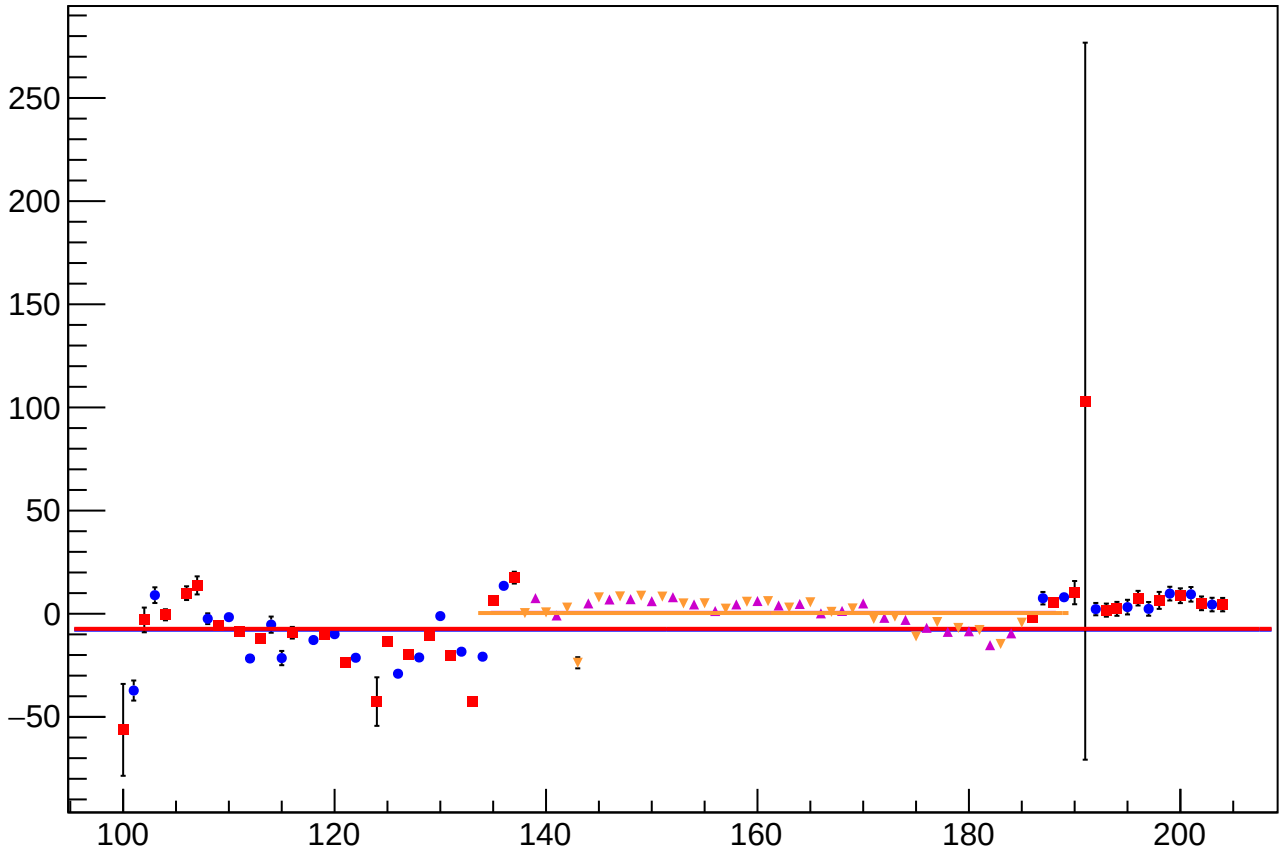
Right Out: -61.255+/-0.308 χ^2/NDF: 5464.0/29

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -28.653+/-0.216 χ^2/NDF: 17804.6/48

All: -31.274+/-0.148 χ^2/NDF: 39207.3/101

- sign -33.569+/-0.202 χ^2/NDF: 21127.5/52



Right In: -7.723+/-0.459 χ^2/NDF: 866.4/23

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

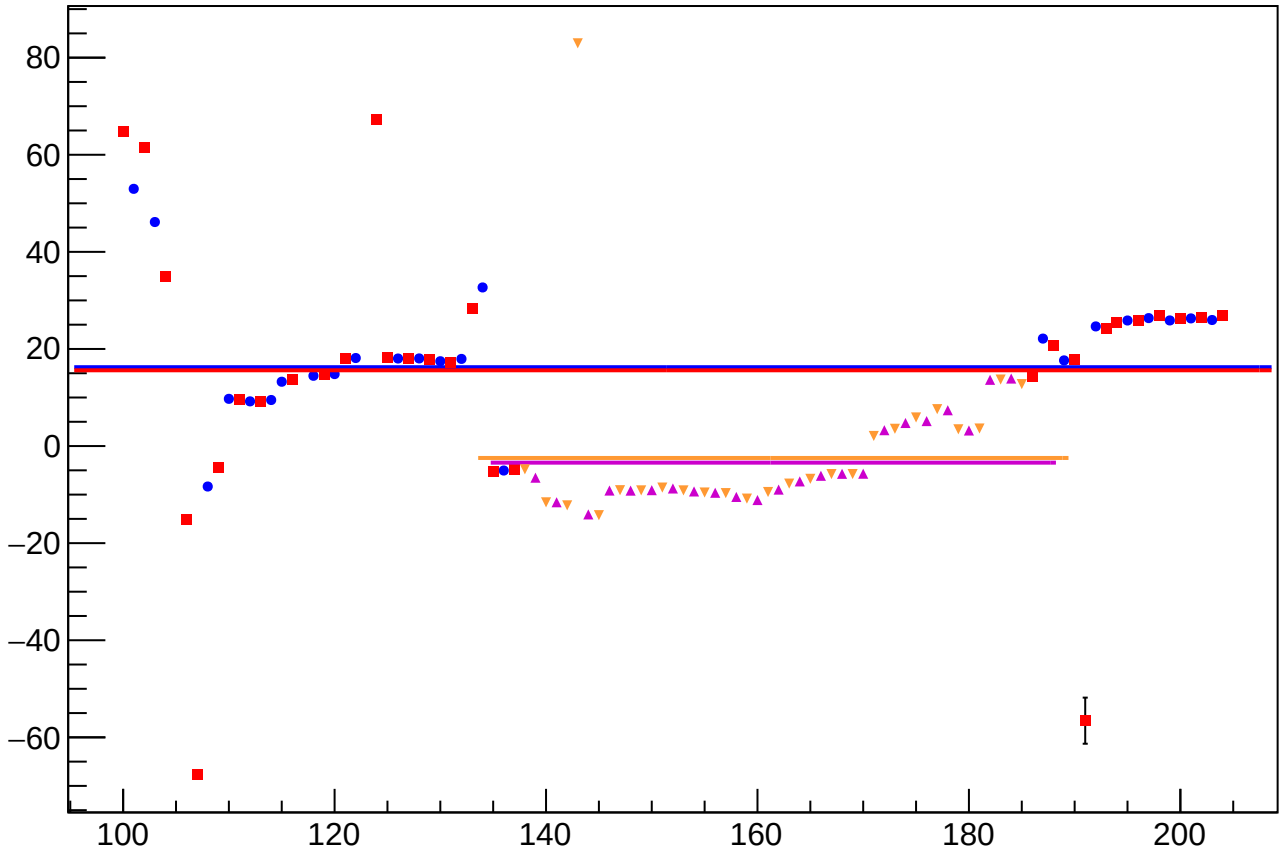
Right Out: -7.306+/-0.437 χ^2/NDF: 914.1/29

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.291+/-0.207 χ^2/NDF: 2035.0/48

All: -1.308+/-0.147 χ^2/NDF: 3974.0/101

\- sign -1.324+/-0.208 χ^2/NDF: 1939.0/52



Right In: 16.242+/-0.024 χ^2/NDF: 428187.6/23

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

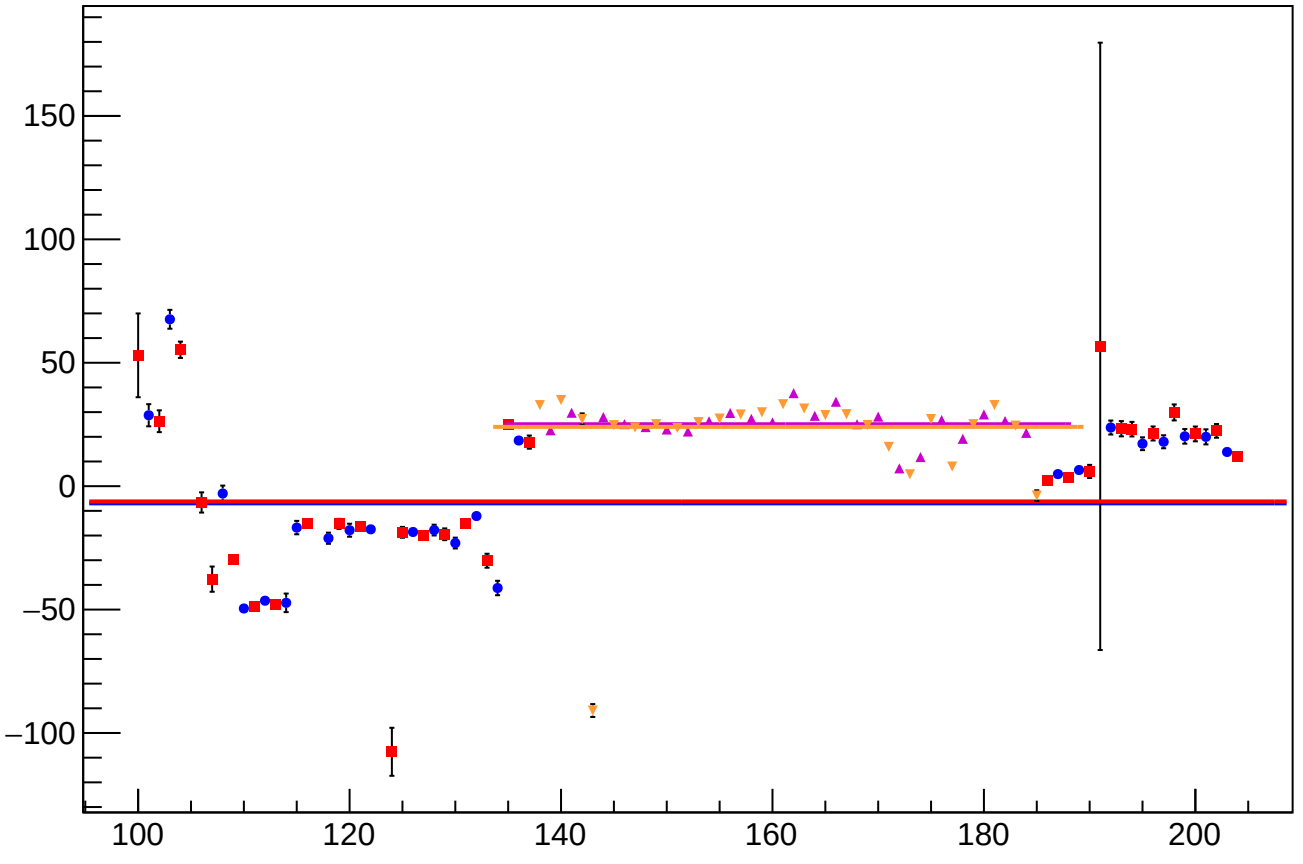
Right Out: 15.607+/-0.023 χ^2/NDF: 553609.9/29

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 0.552+/-0.009 χ^2/NDF: 1913965.7/48

All: 0.194+/-0.007 χ^2/NDF: 3585074.1/101

- sign -0.165+/-0.010 χ^2/NDF: 1668260.2/52



Right In: -6.957+/-0.452 χ^2/NDF: 3024.0/23

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -6.182+/-0.401 χ^2/NDF: 3463.7/29

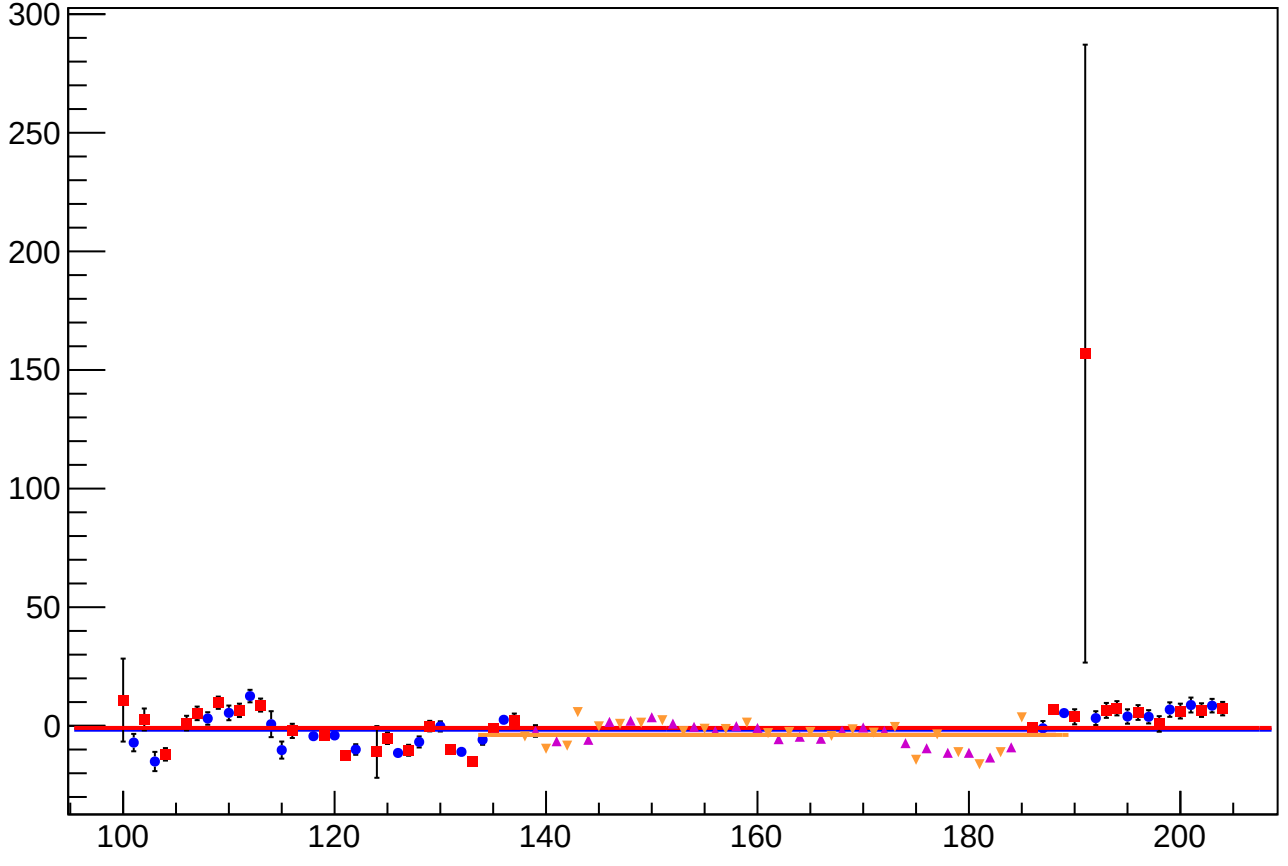
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

\+ sign 15.357+/-0.239 χ^2/NDF: 9202.8/48

All: 14.906+/-0.167 χ^2/NDF: 17191.6/101

\- sign 14.477+/-0.233 χ^2/NDF: 7981.8/52

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -1.643+/-0.483 χ^2/NDF: 189.6/23

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

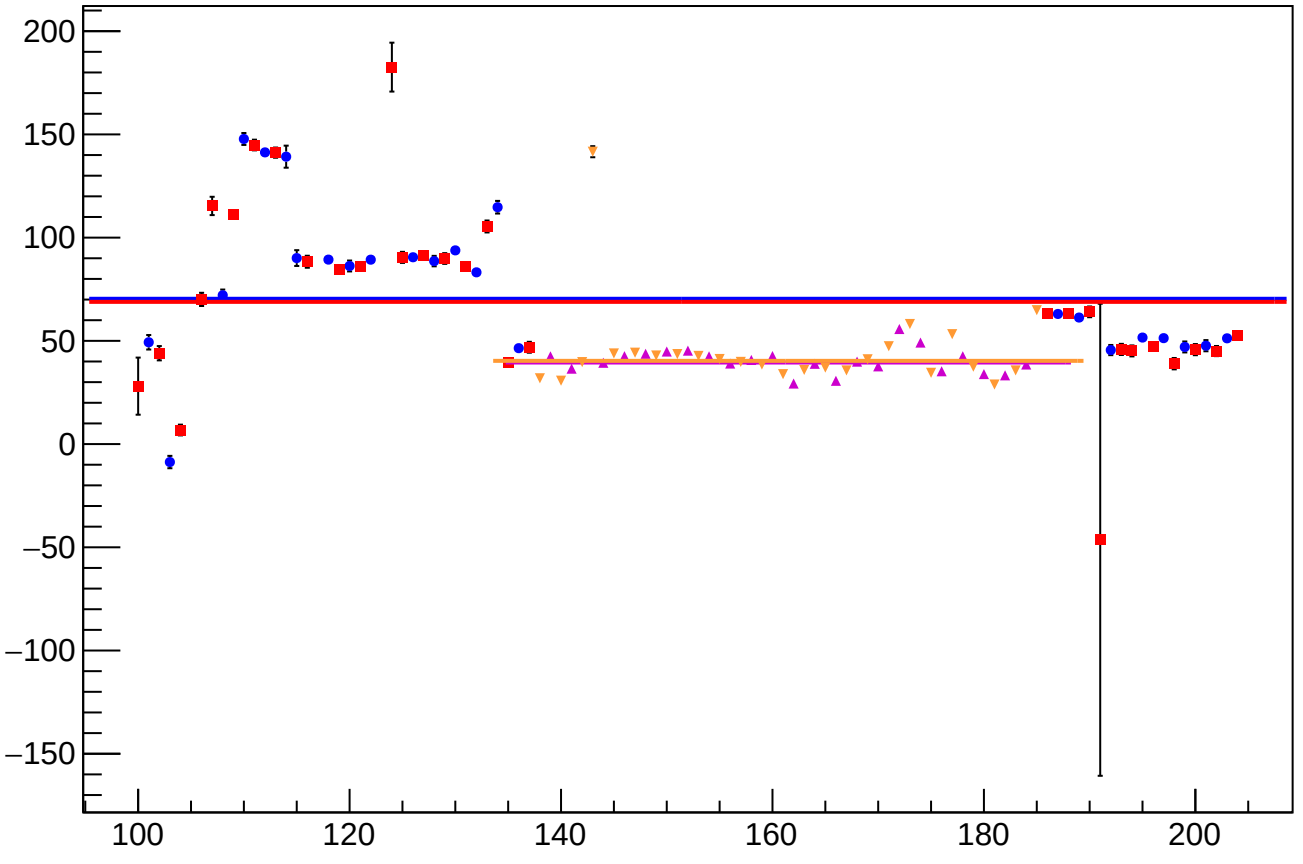
Right Out: -0.893+/-0.453 χ^2/NDF: 256.8/29

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.472+/-0.199 χ^2/NDF: 856.3/48

All: -3.345+/-0.141 χ^2/NDF: 1656.4/101

- sign -3.215+/-0.201 χ^2/NDF: 799.2/52



Right In: 70.380+/-0.466 χ^2/NDF: 4087.0/23

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

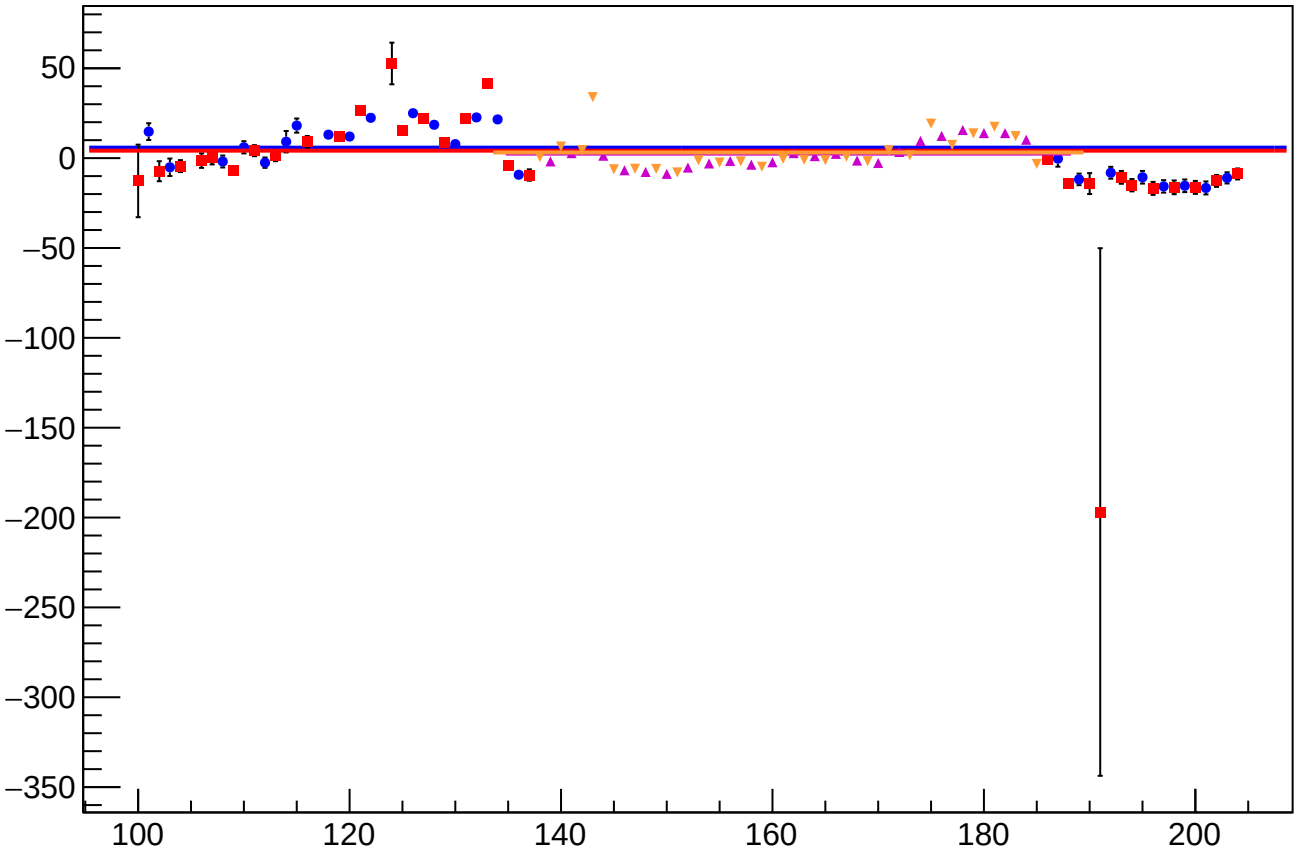
Right Out: 68.887+/-0.398 χ^2/NDF: 4485.3/29

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 48.290+/-0.240 χ^2/NDF: 9324.6/48

All: 48.890+/-0.167 χ^2/NDF: 17858.5/101

\- sign 49.448+/-0.232 χ^2/NDF: 8521.8/52



Right In: 5.826+/-0.558 χ^2/NDF: 626.5/23

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

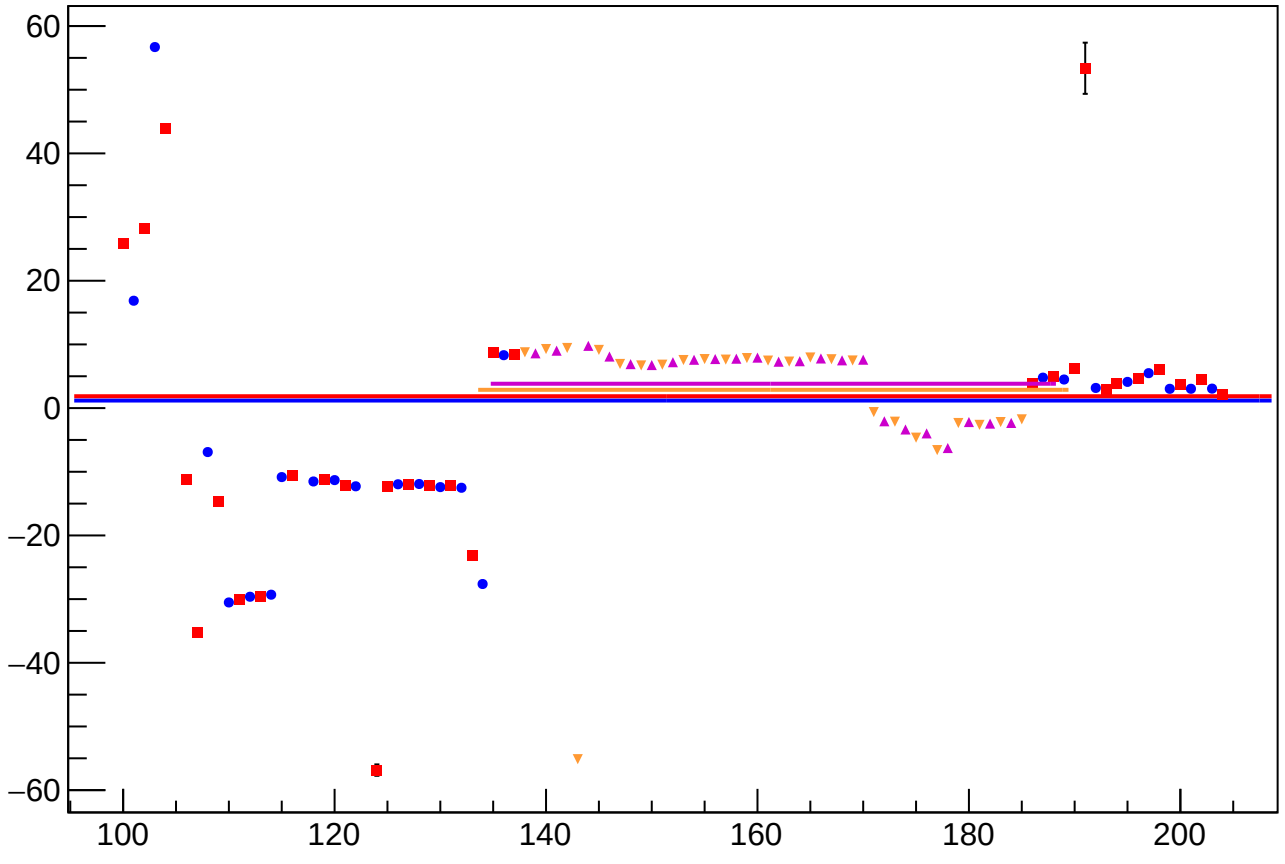
Right Out: 4.164+/-0.538 χ^2/NDF: 840.6/29

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.577+/-0.225 χ^2/NDF: 1912.9/48

All: 3.200+/-0.160 χ^2/NDF: 3735.1/101

- sign 2.813+/-0.228 χ^2/NDF: 1816.4/52



Right In: 1.187+/-0.027 χ^2/NDF: 375137.0/23

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.863+/-0.026 χ^2/NDF: 326109.0/29

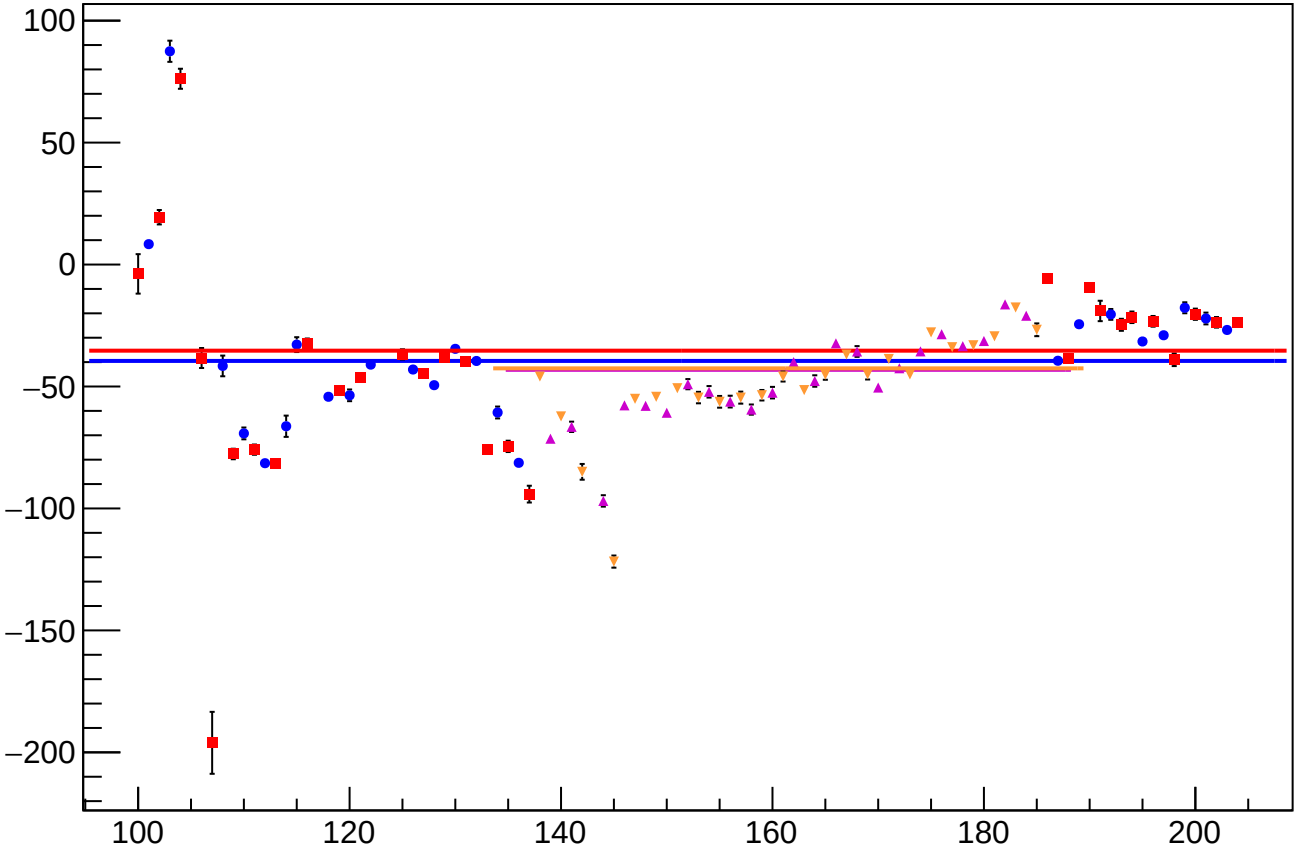
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.631+/-0.010 χ^2/NDF: 890798.4/48

All: 3.076+/-0.007 χ^2/NDF: 1458753.4/101

- sign 3.525+/-0.010 χ^2/NDF: 564114.7/52

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -39.514+/-0.410 χ^2/NDF: 3416.8/23

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -35.311+/-0.353 χ^2/NDF: 5225.2/28

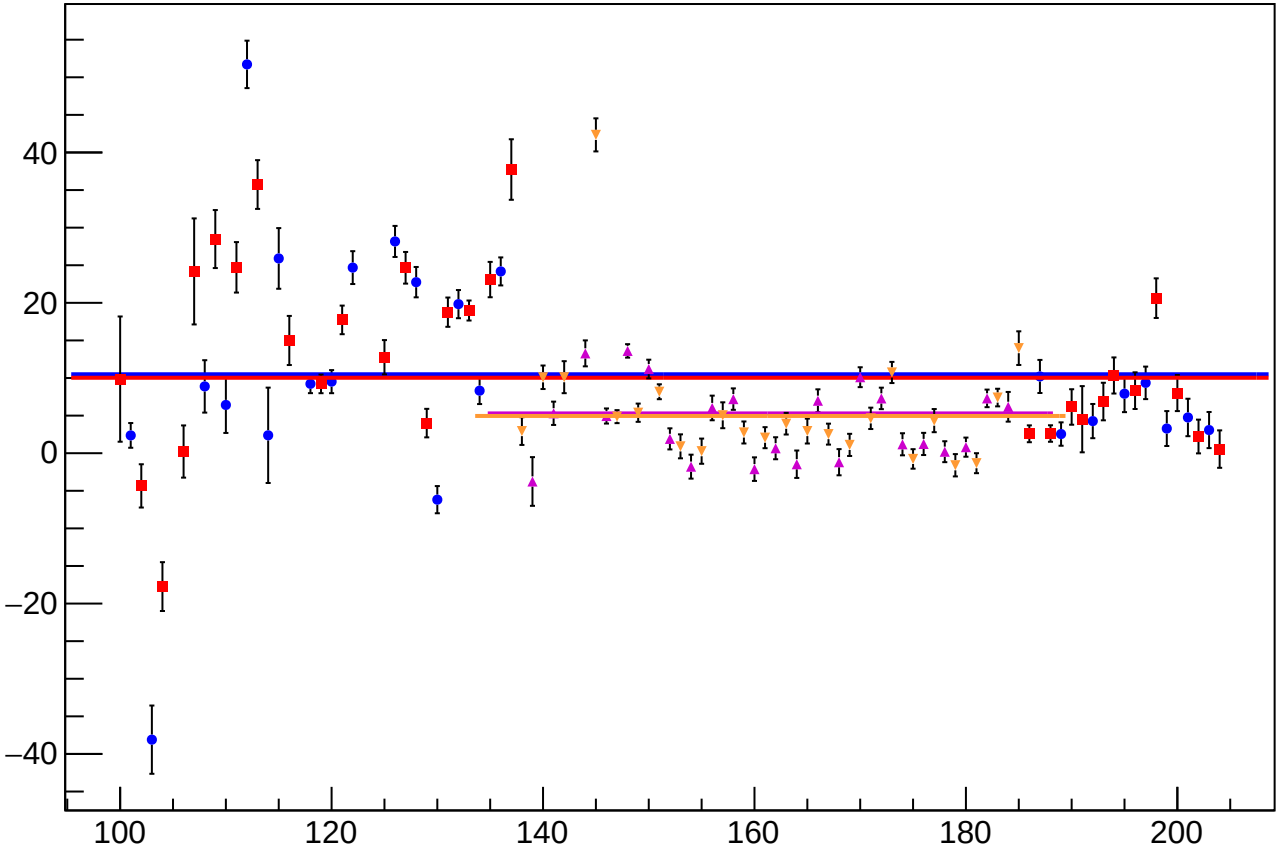
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

\+ sign -41.161+/-0.278 χ^2/NDF: 5773.0/47

All: -39.969+/-0.190 χ^2/NDF: 13466.5/99

\- sign -38.933+/-0.259 χ^2/NDF: 7659.1/51

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 10.499+/-0.429 χ^2/NDF: 705.8/23

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.034+/-0.395 χ^2/NDF: 577.1/28

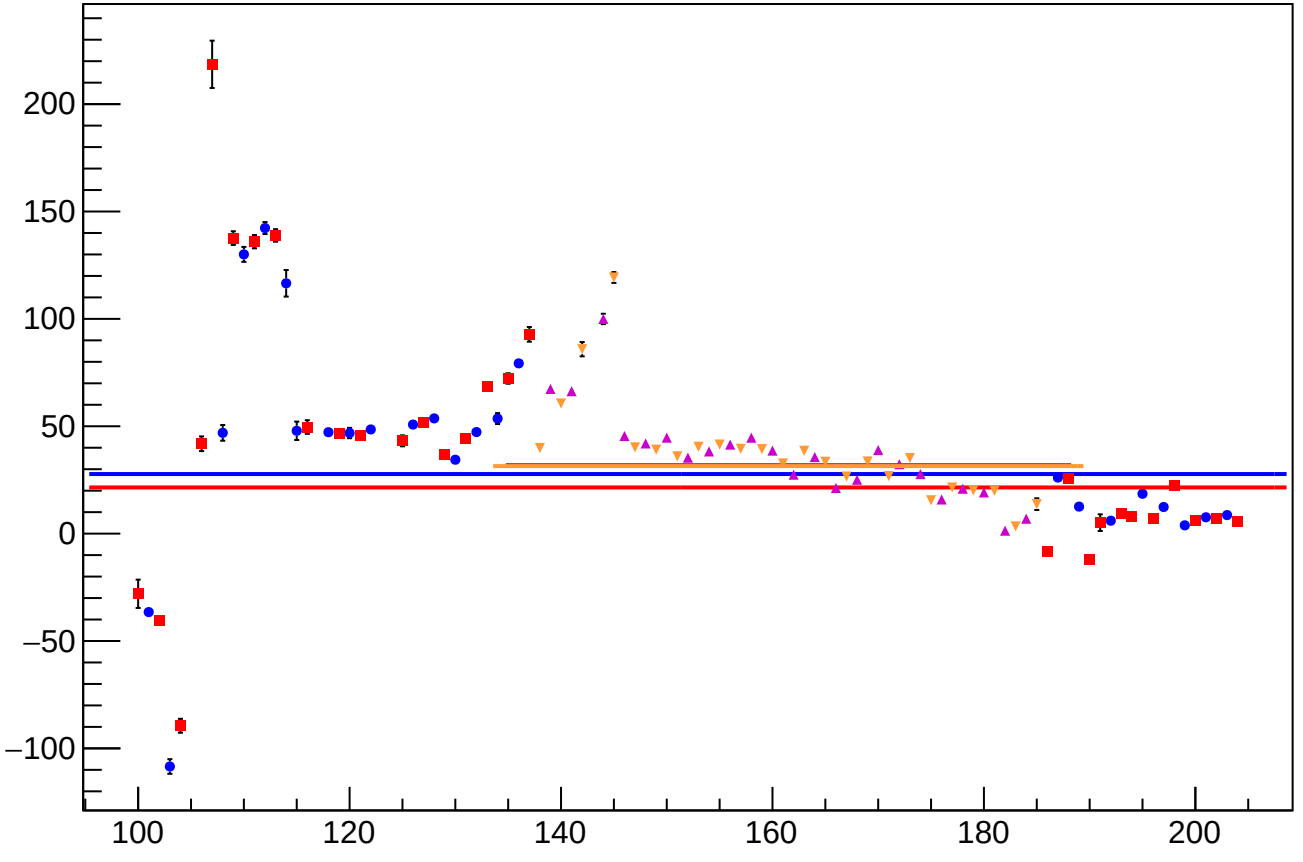
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.680+/-0.239 χ^2/NDF: 1269.8/47

All: 6.835+/-0.168 χ^2/NDF: 2226.8/99

- sign 6.985+/-0.236 χ^2/NDF: 956.2/51

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 27.745+/-0.402 χ^2/NDF: 8556.2/23

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 21.503+/-0.330 χ^2/NDF: 11319.1/28

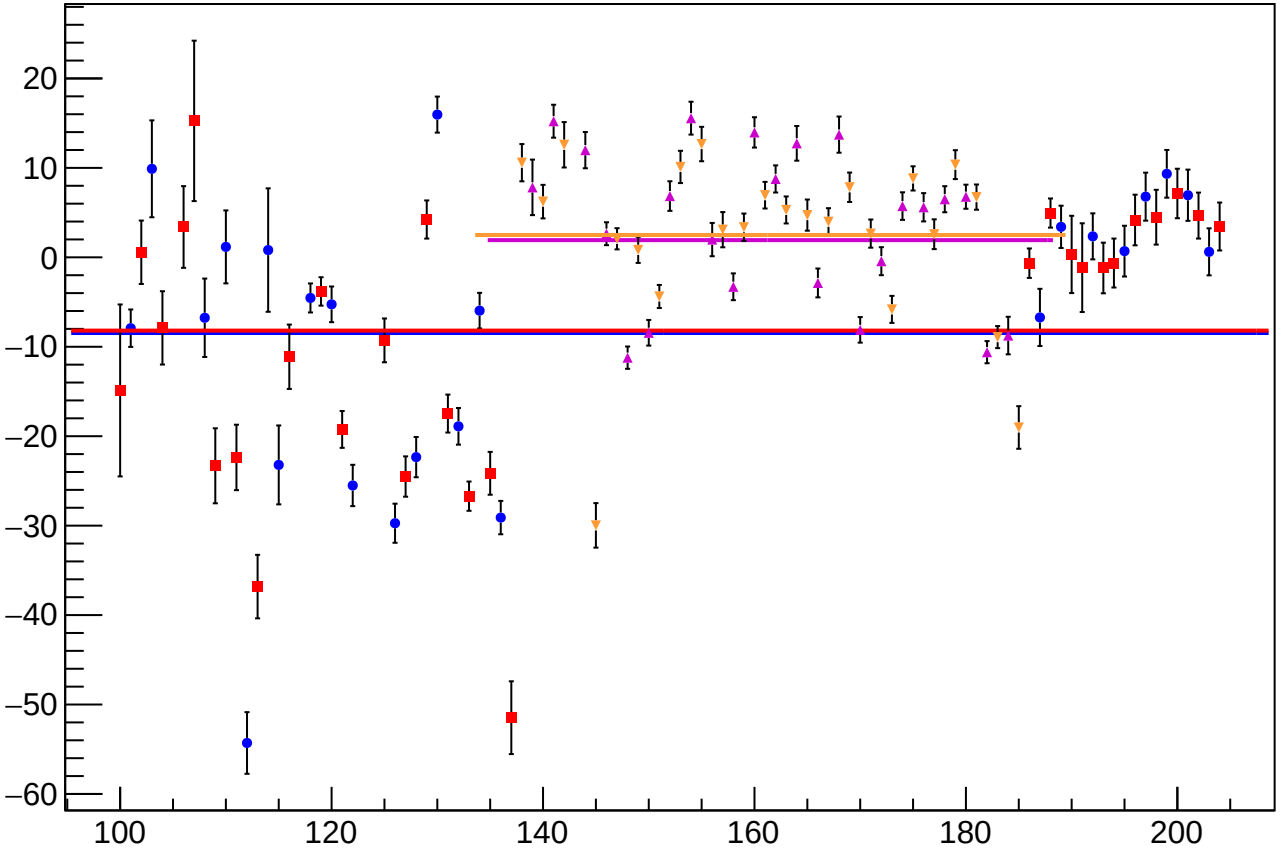
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

\+ sign 29.716+/-0.274 χ^2/NDF: 11363.3/47

All: 27.678+/-0.184 χ^2/NDF: 25978.6/99

\- sign 26.002+/-0.249 χ^2/NDF: 14514.7/51

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -8.462+/-0.508 χ^2/NDF: 870.6/23

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -8.192+/-0.482 χ^2/NDF: 757.6/28

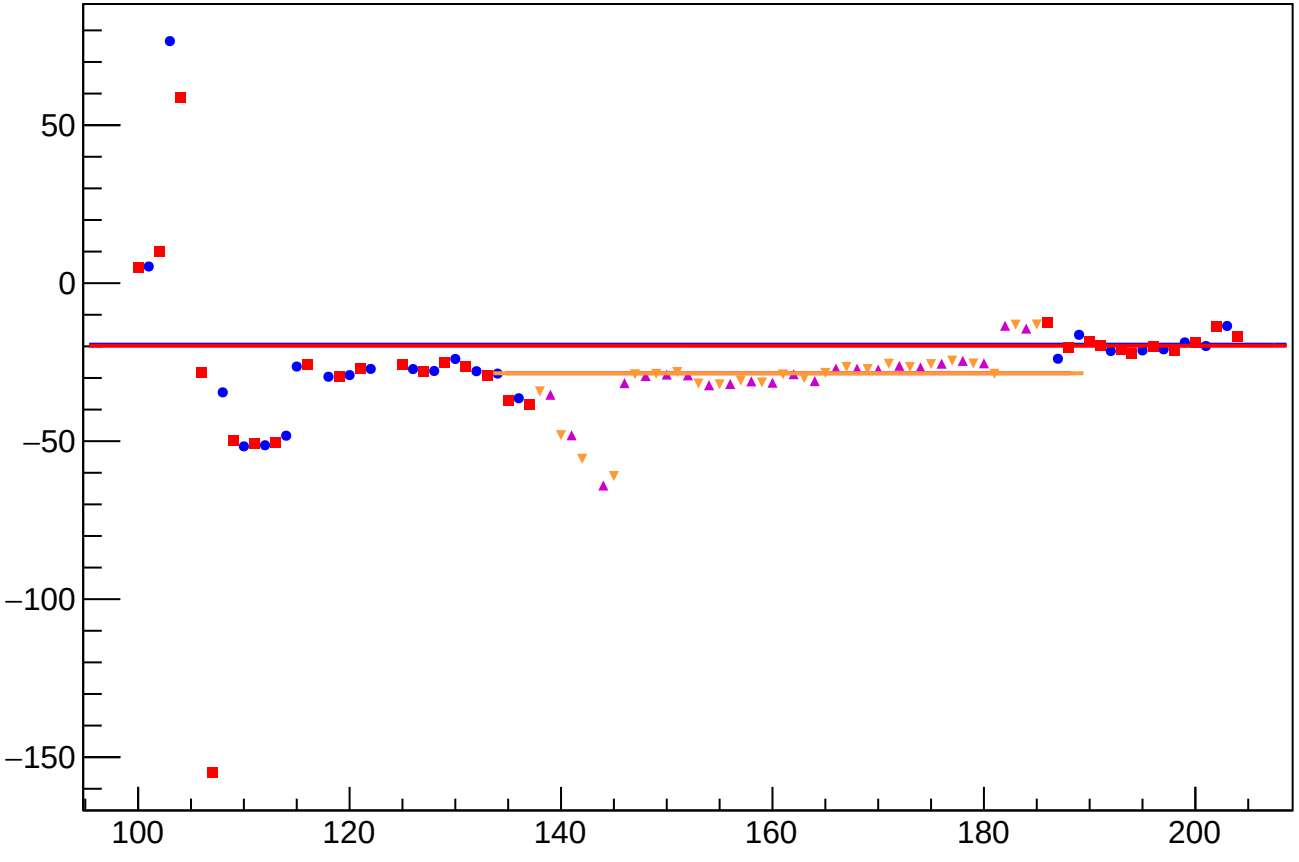
Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

+ sign -0.714+/-0.275 χ^2/NDF: 1758.5/47

All: -1.023+/-0.194 χ^2/NDF: 3495.7/99

- sign -1.329+/-0.273 χ^2/NDF: 1734.7/51

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -19.465+/-0.024 χ^2/NDF: 653851.1/23

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -19.804+/-0.023 χ^2/NDF: 562359.1/28

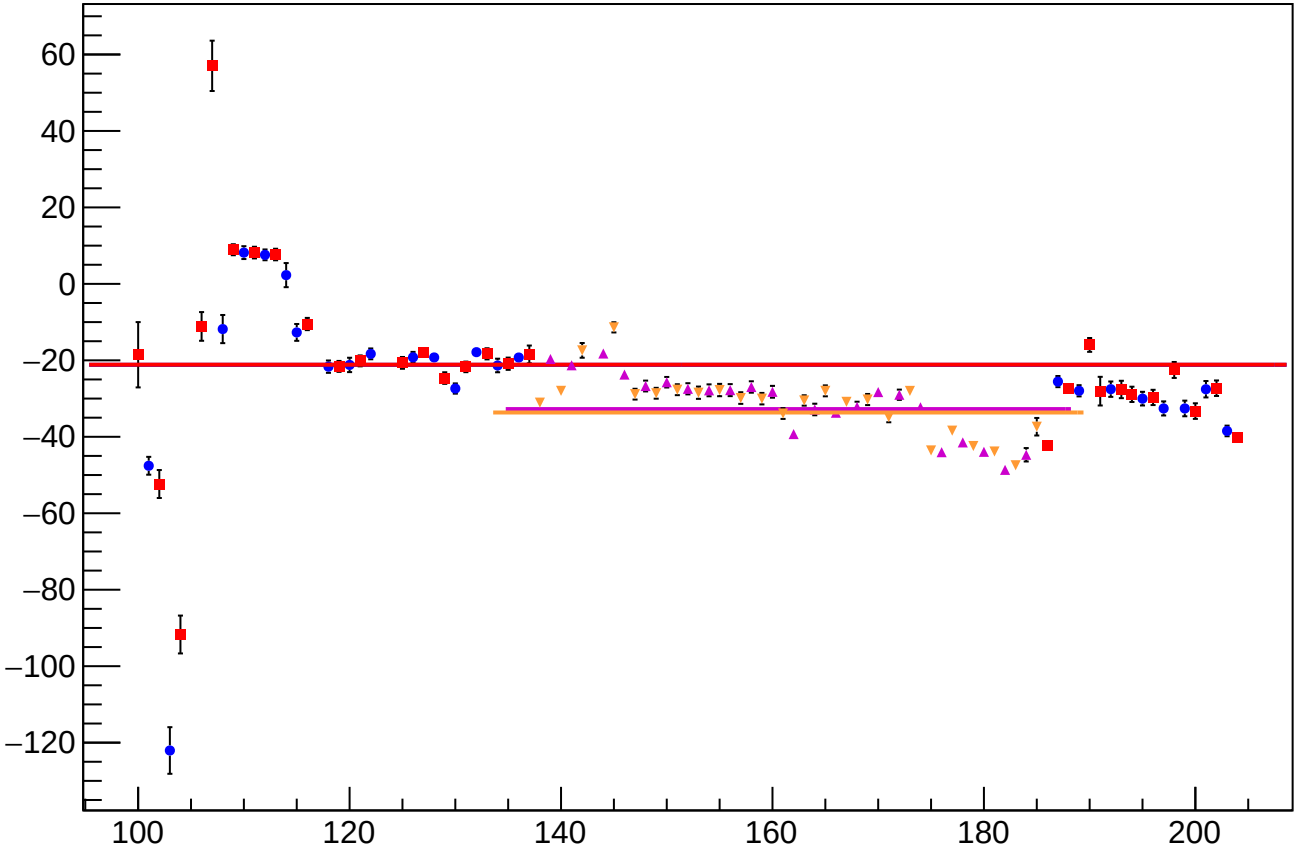
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -26.027+/-0.013 χ^2/NDF: 1090797.2/47

All: -25.961+/-0.009 χ^2/NDF: 2043935.4/99

- sign -25.897+/-0.012 χ^2/NDF: 953084.0/51

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -21.179+/-0.335 χ^2/NDF: 1535.2/23

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -21.138+/-0.309 χ^2/NDF: 2320.7/28

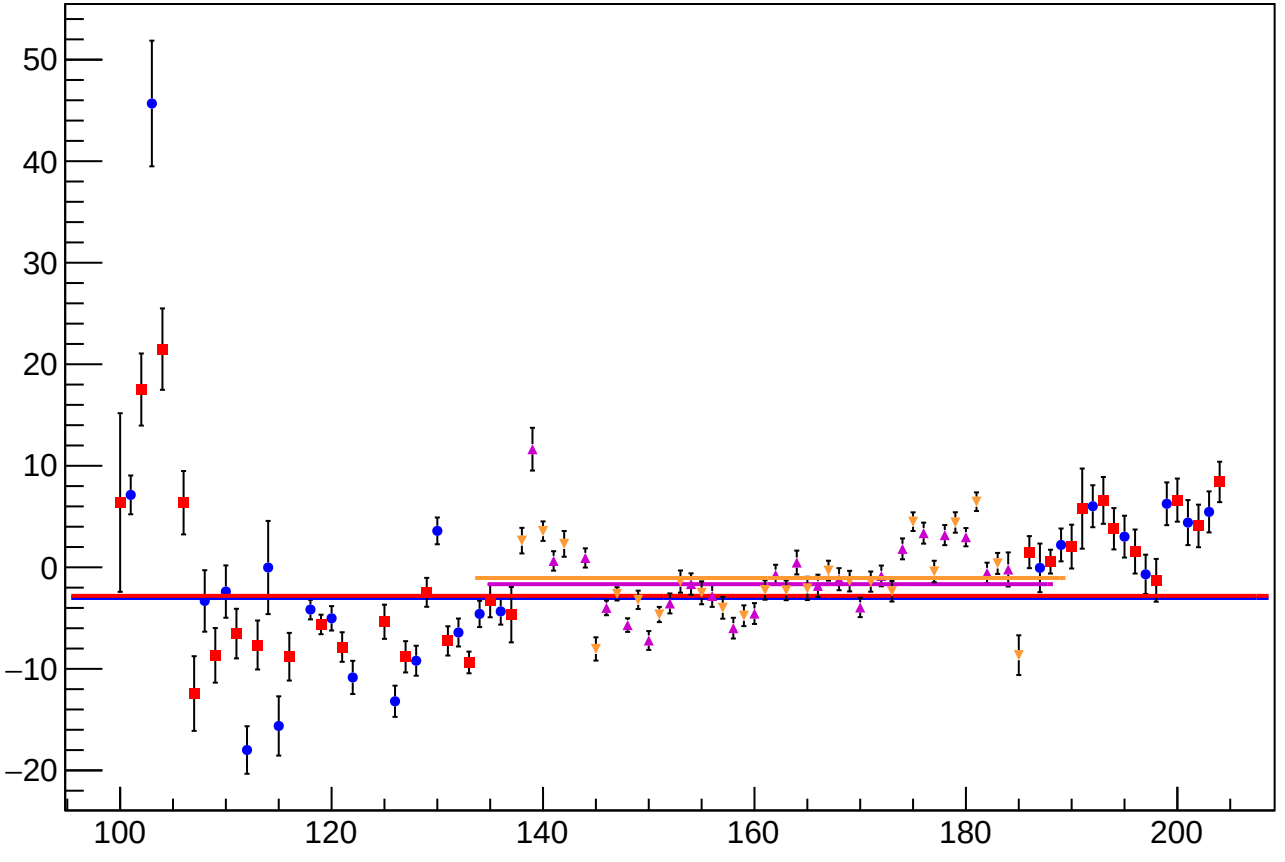
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -28.849+/-0.208 χ^2/NDF: 3401.1/47

All: -28.287+/-0.145 χ^2/NDF: 7684.2/99

- sign -27.753+/-0.203 χ^2/NDF: 4268.8/51

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -3.017+/-0.350 χ^2/NDF: 361.6/23

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -2.809+/-0.340 χ^2/NDF: 308.9/28

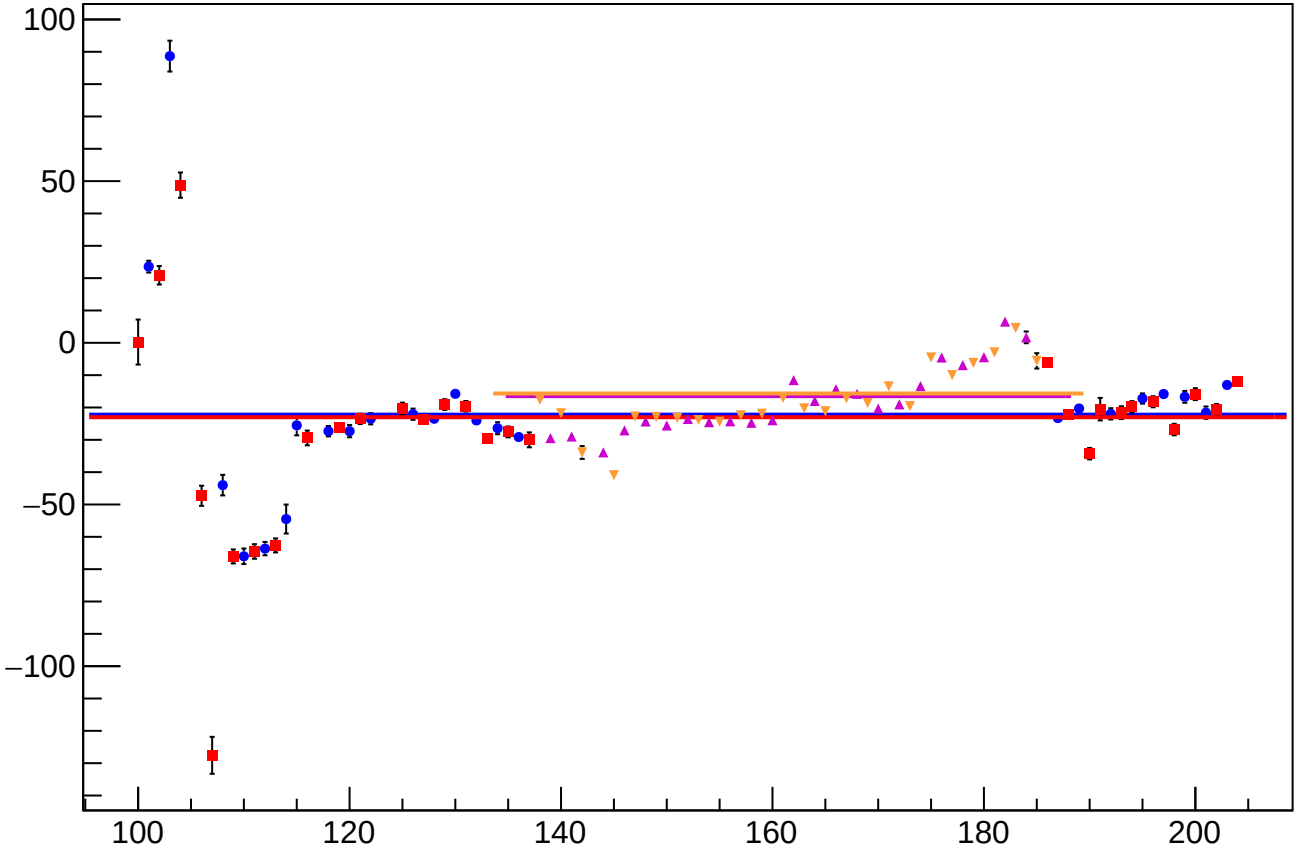
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.545+/-0.176 χ^2/NDF: 674.7/47

All: -1.756+/-0.124 χ^2/NDF: 1259.2/99

- sign -1.969+/-0.177 χ^2/NDF: 581.6/51

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -22.218+/-0.345 χ^2/NDF: 2162.1/23

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -23.009+/-0.309 χ^2/NDF: 2545.4/28

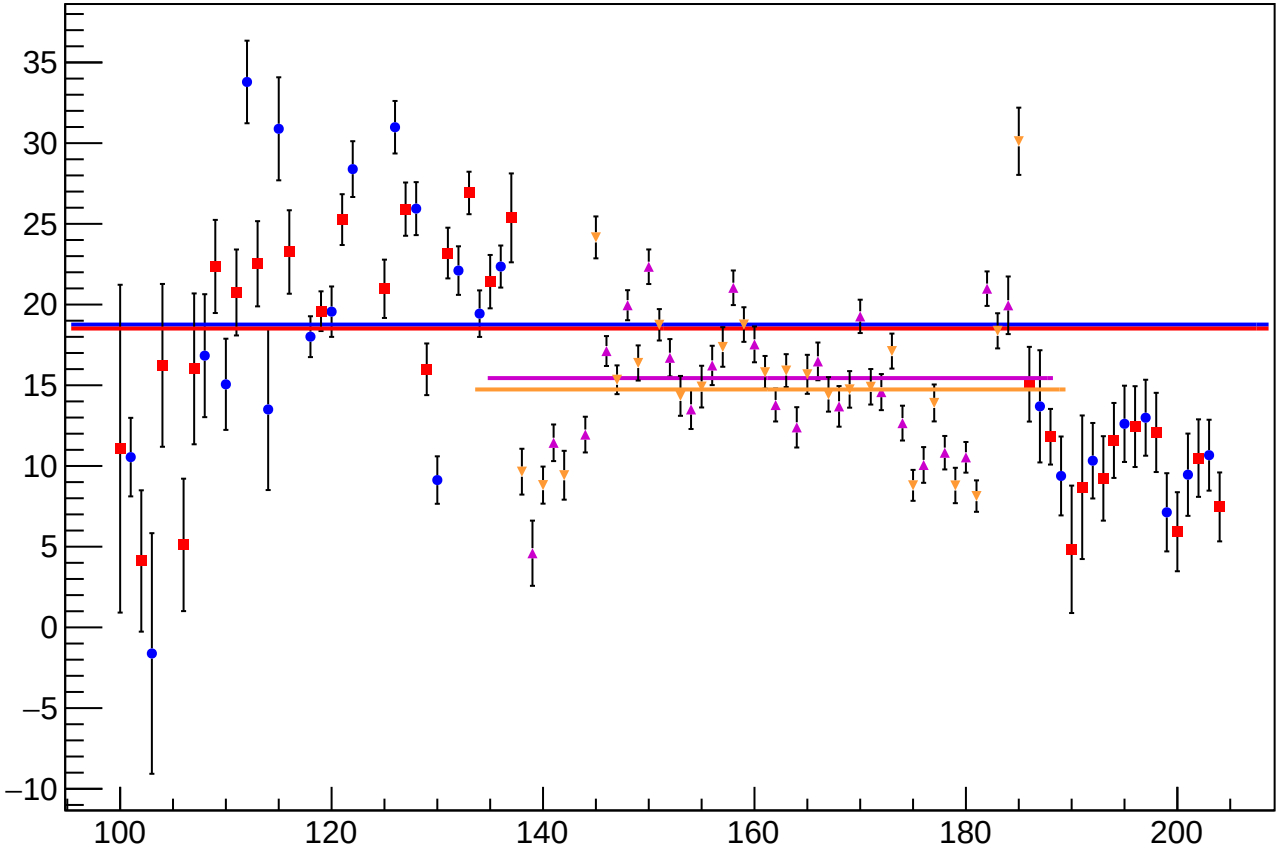
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

+ sign -18.077+/-0.209 χ^2/NDF: 3910.2/47

All: -18.687+/-0.145 χ^2/NDF: 8425.7/99

- sign -19.253+/-0.202 χ^2/NDF: 4499.1/51

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 18.760+/-0.405 χ^2/NDF: 326.5/23

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 18.514+/-0.401 χ^2/NDF: 266.1/28

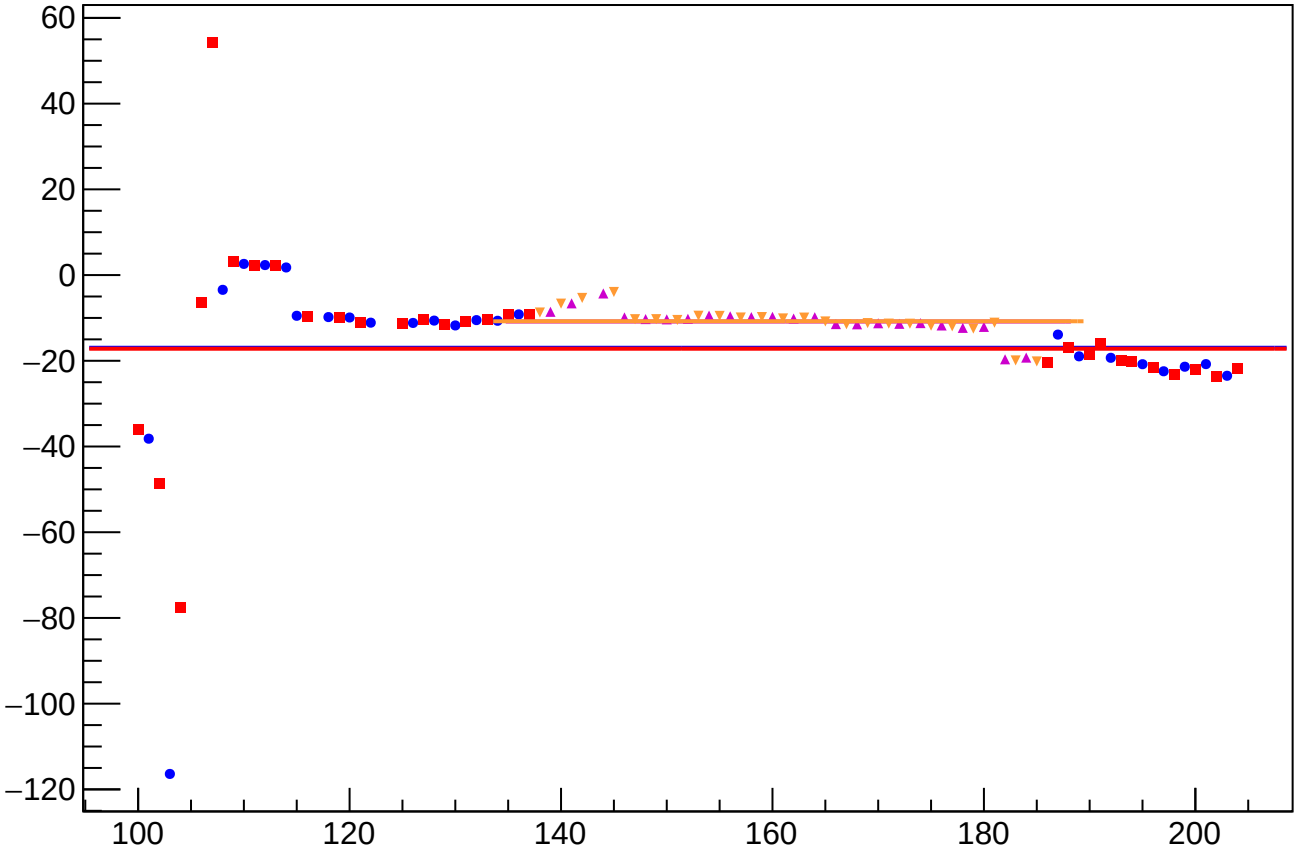
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.716+/-0.200 χ^2/NDF: 732.0/47

All: 15.965+/-0.142 χ^2/NDF: 1335.4/99

- sign 16.220+/-0.201 χ^2/NDF: 600.3/51

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -16.961+/-0.020 χ^2/NDF: 386026.8/23

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -17.184+/-0.020 χ^2/NDF: 376569.2/28

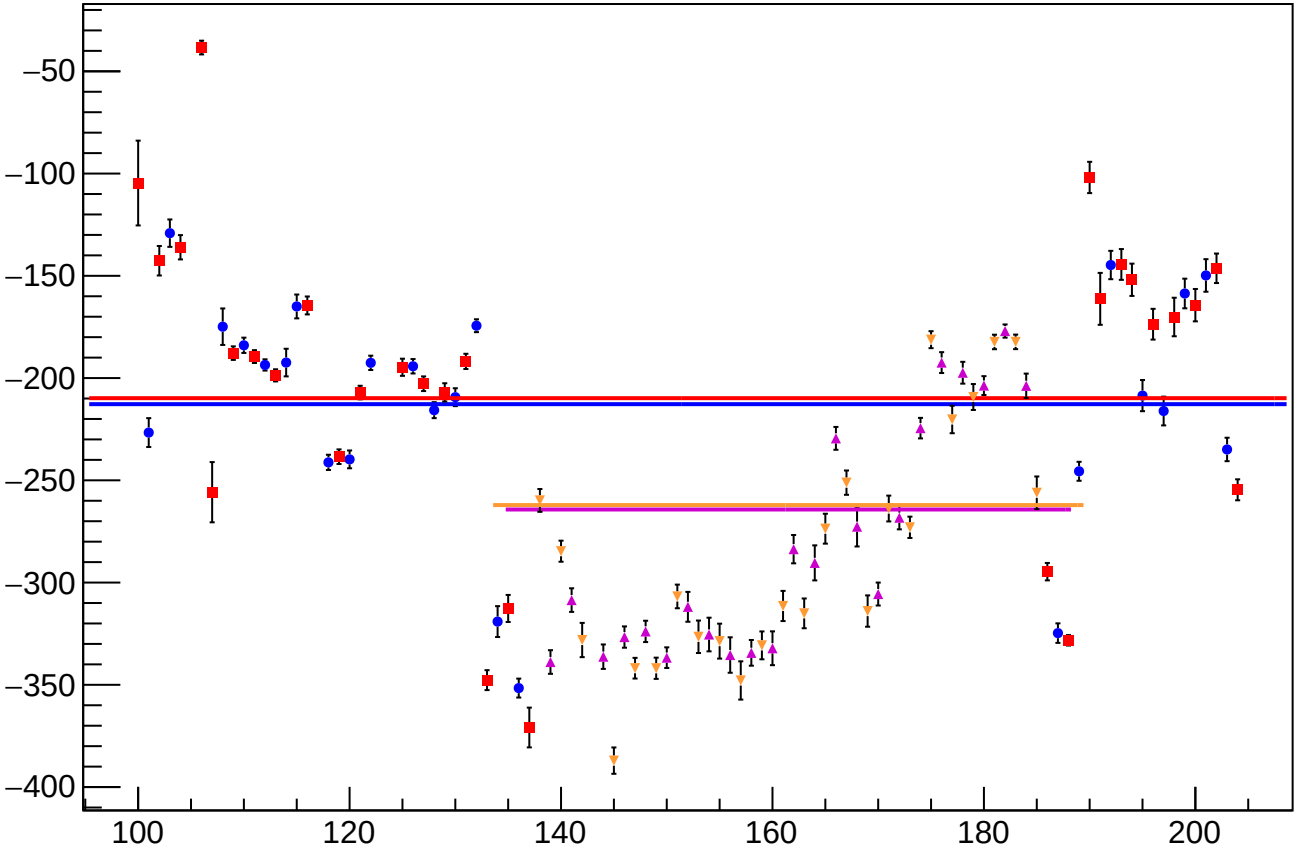
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -12.055+/-0.009 χ^2/NDF: 545426.9/47

All: -12.134+/-0.006 χ^2/NDF: 1078535.6/99

- sign -12.212+/-0.009 χ^2/NDF: 532961.3/51

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -212.762+/-0.956 χ^2/NDF: 2596.5/23

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -209.835+/-0.854 χ^2/NDF: 7620.0/28

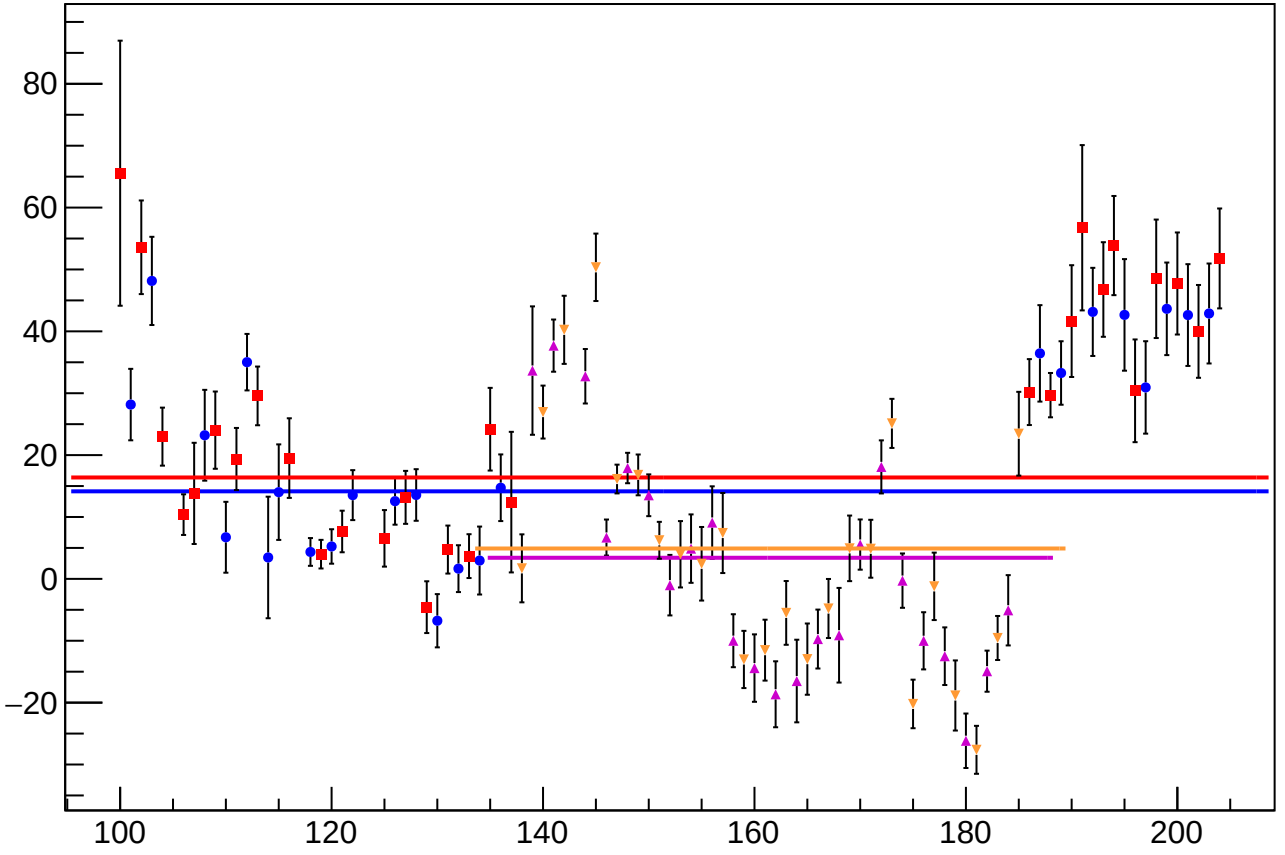
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -232.342+/-0.743 χ^2/NDF: 6617.3/47

All: -230.258+/-0.507 χ^2/NDF: 18381.4/99

- sign -228.443+/-0.693 χ^2/NDF: 11749.4/51

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 14.146+/-0.984 χ^2/NDF: 216.1/23

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 16.386+/-0.930 χ^2/NDF: 266.6/28

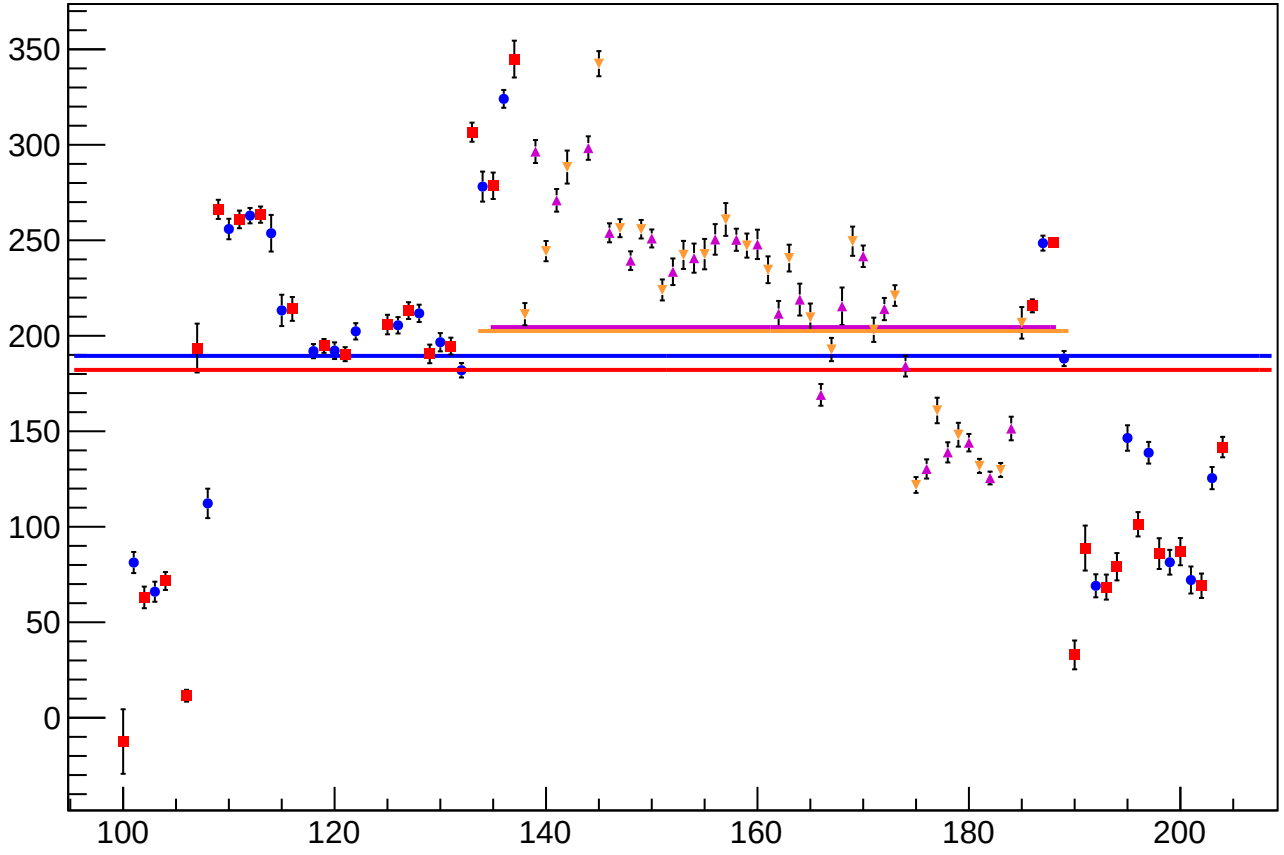
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

\+ sign 9.047+/-0.658 χ^2/NDF: 663.7/47

All: 9.373+/-0.462 χ^2/NDF: 1364.6/99

\- sign 9.688+/-0.647 χ^2/NDF: 700.4/51

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 189.477+/-1.026 χ^2/NDF: 4004.7/23

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 182.139+/-0.886 χ^2/NDF: 9302.6/28

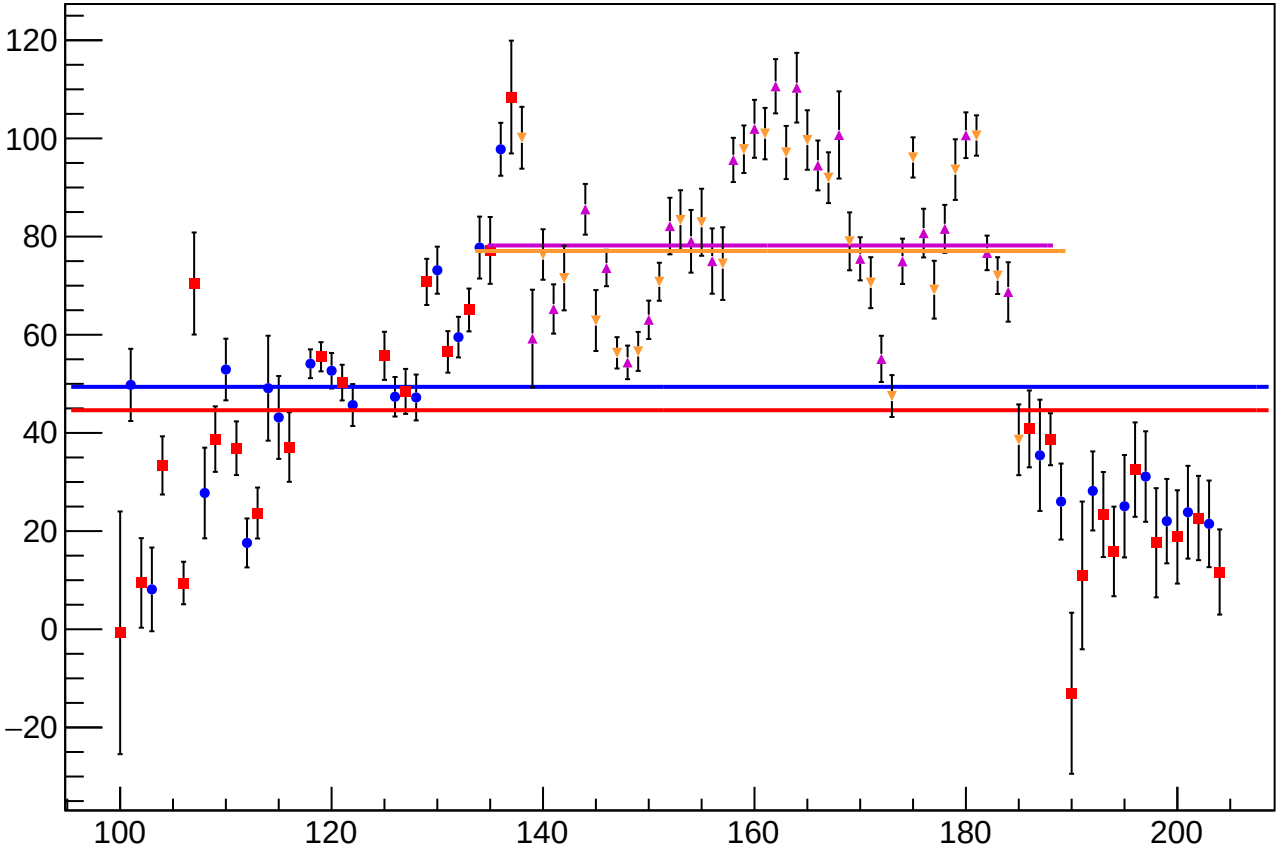
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 195.130+/-0.772 χ^2/NDF: 6468.1/47

All: 192.478+/-0.522 χ^2/NDF: 18309.7/99

- sign 190.250+/-0.708 χ^2/NDF: 11819.8/51

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 49.387+/-1.157 χ^2/NDF: 260.7/23

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 44.626+/-1.104 χ^2/NDF: 320.8/28

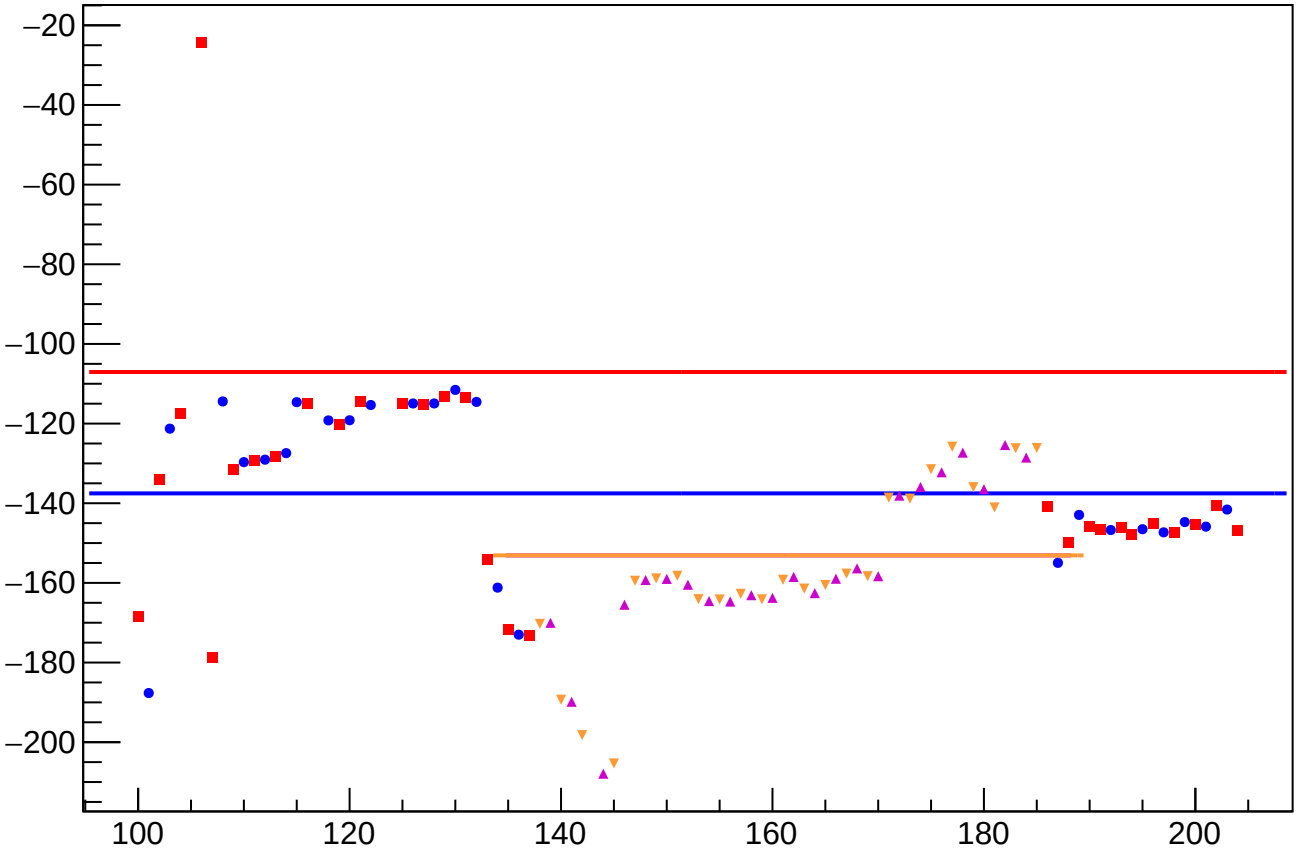
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 65.021+/-0.763 χ^2/NDF: 895.2/47

All: 63.814+/-0.535 χ^2/NDF: 1949.6/99

- sign 62.642+/-0.751 χ^2/NDF: 1049.5/51

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -137.527+/-0.065 χ^2/NDF: 102968.6/23

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -107.046+/-0.053 χ^2/NDF: 977833.7/28

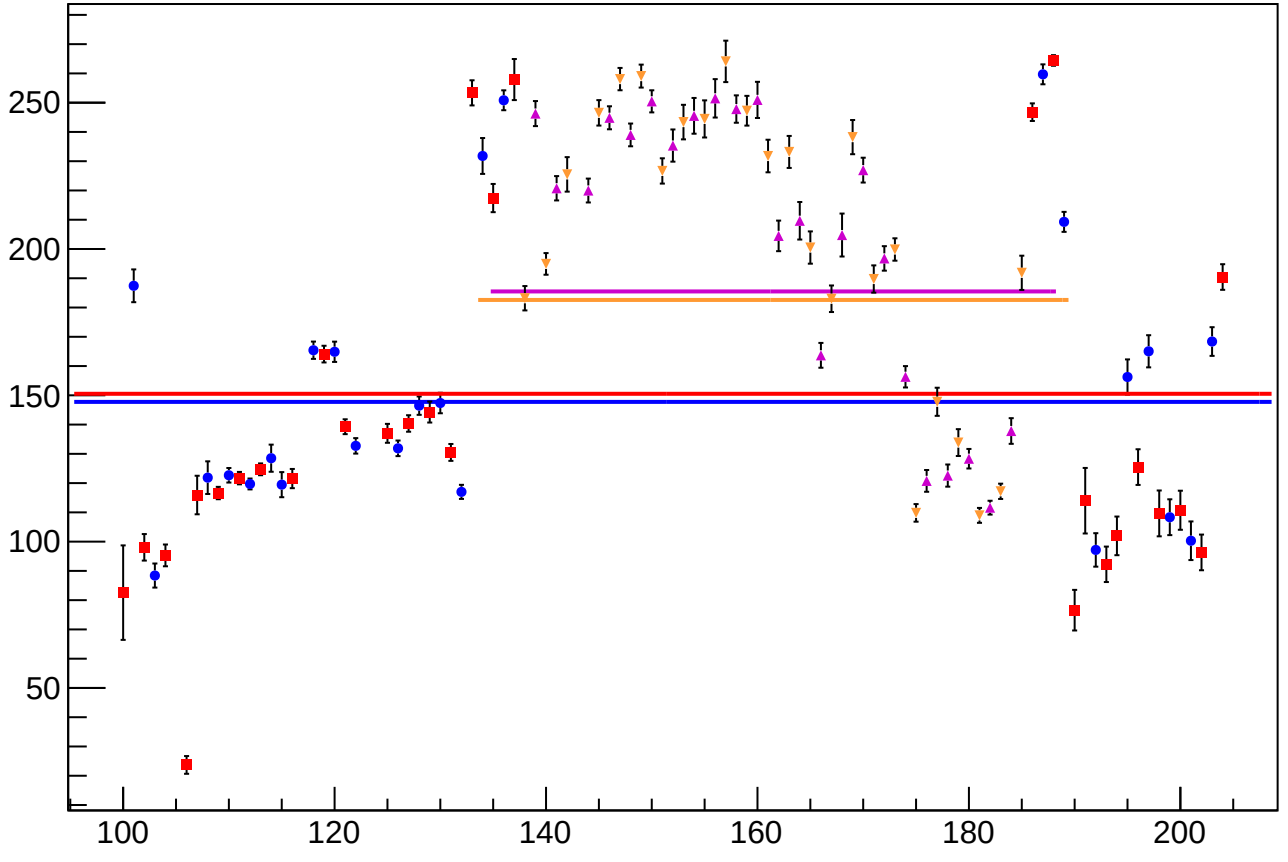
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.723+/-0.038 χ^2/NDF: 318469.1/47

All: -139.774+/-0.026 χ^2/NDF: 1969408.2/99

- sign -133.016+/-0.035 χ^2/NDF: 1569884.2/51

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 147.753+/-0.711 χ^2/NDF: 3673.2/23

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 150.521+/-0.633 χ^2/NDF: 9453.9/28

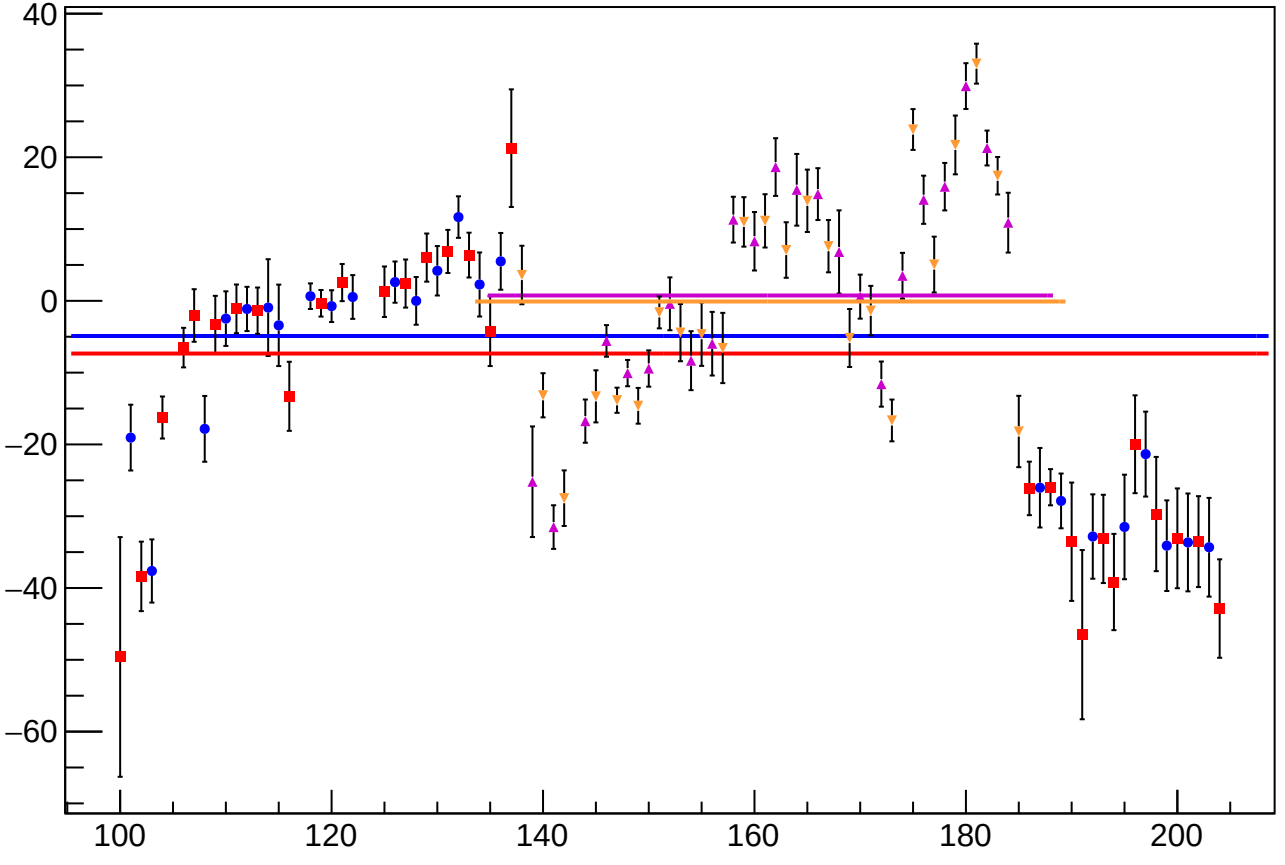
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 161.778+/-0.549 χ^2/NDF: 8792.5/47

All: 162.211+/-0.375 χ^2/NDF: 23122.6/99

- sign 162.588+/-0.512 χ^2/NDF: 14328.9/51

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.897+/-0.750 χ^2/NDF: 301.8/23

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -7.340+/-0.701 χ^2/NDF: 392.3/28

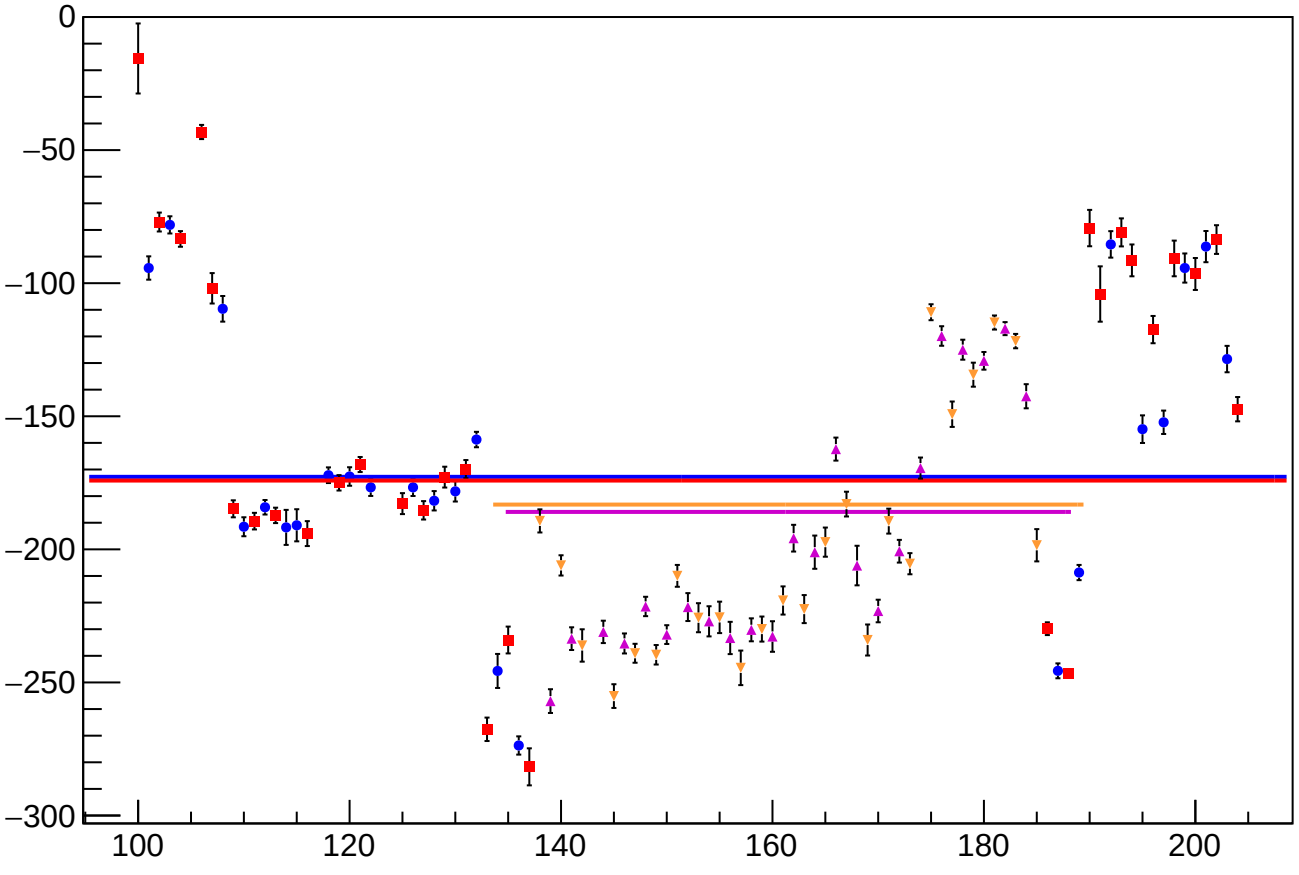
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -2.169+/-0.493 χ^2/NDF: 880.4/47

All: -2.636+/-0.345 χ^2/NDF: 1842.1/99

- sign -3.083+/-0.483 χ^2/NDF: 960.0/51

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -172.753+/-0.767 χ^2/NDF: 4126.0/23

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -174.152+/-0.659 χ^2/NDF: 9862.6/28

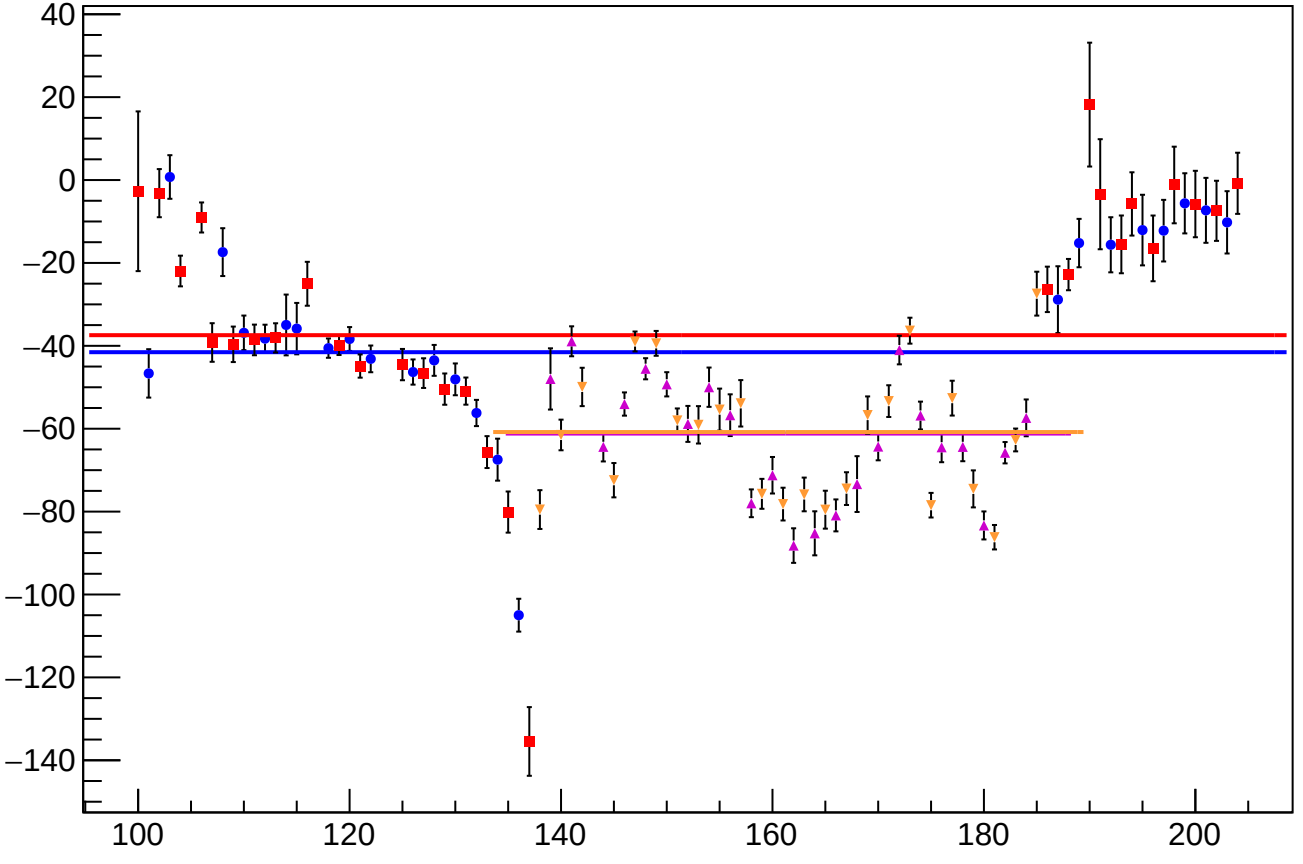
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -177.358+/-0.573 χ^2/NDF: 7568.7/47

All: -177.961+/-0.387 χ^2/NDF: 20732.0/99

- sign -178.465+/-0.525 χ^2/NDF: 13161.3/51

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -41.536+/-0.881 χ^2/NDF: 524.7/23

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -37.431+/-0.833 χ^2/NDF: 584.0/28

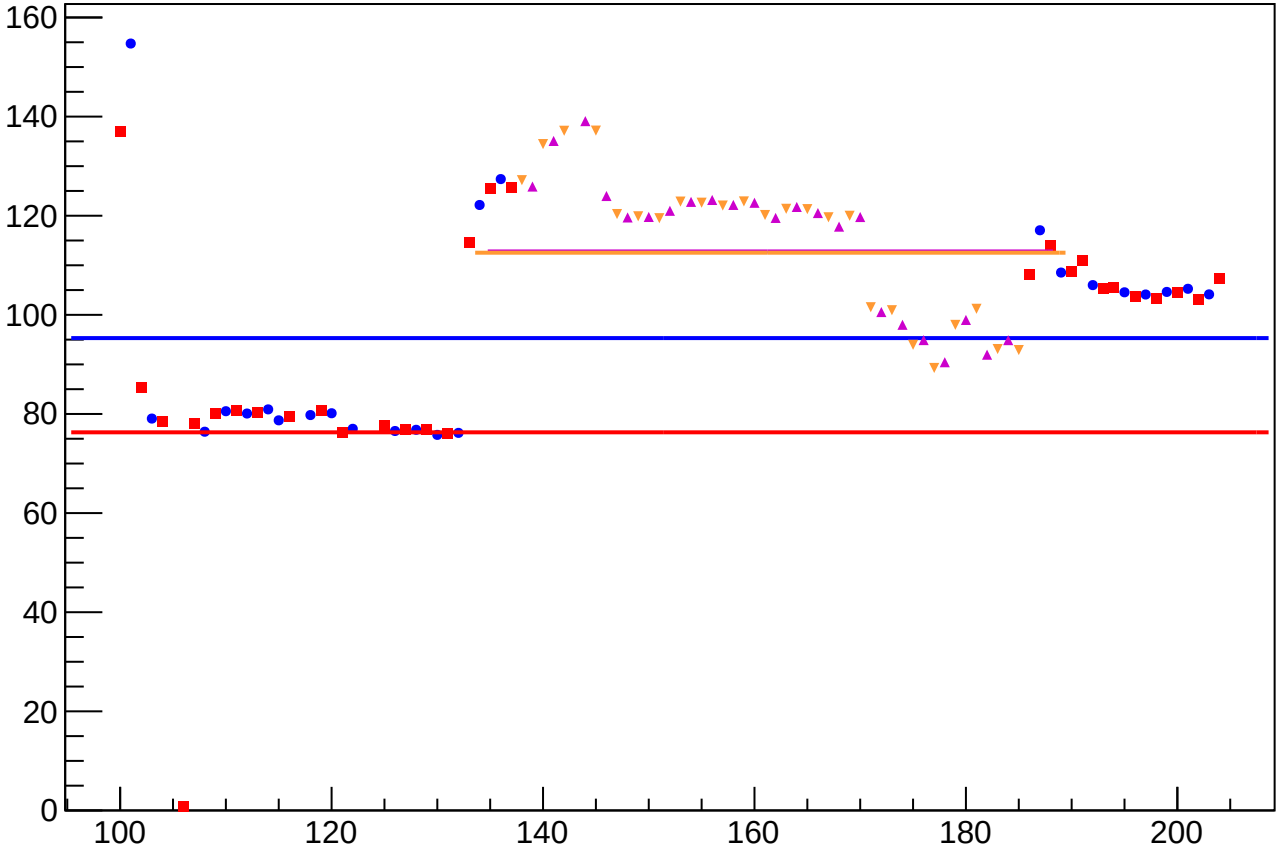
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -52.715+/-0.570 χ^2/NDF: 1276.5/47

All: -51.554+/-0.400 χ^2/NDF: 2630.5/99

- sign -50.435+/-0.560 χ^2/NDF: 1345.9/51

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 95.310+/-0.049 χ^2/NDF: 182174.5/23

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 76.296+/-0.042 χ^2/NDF: 877080.5/28

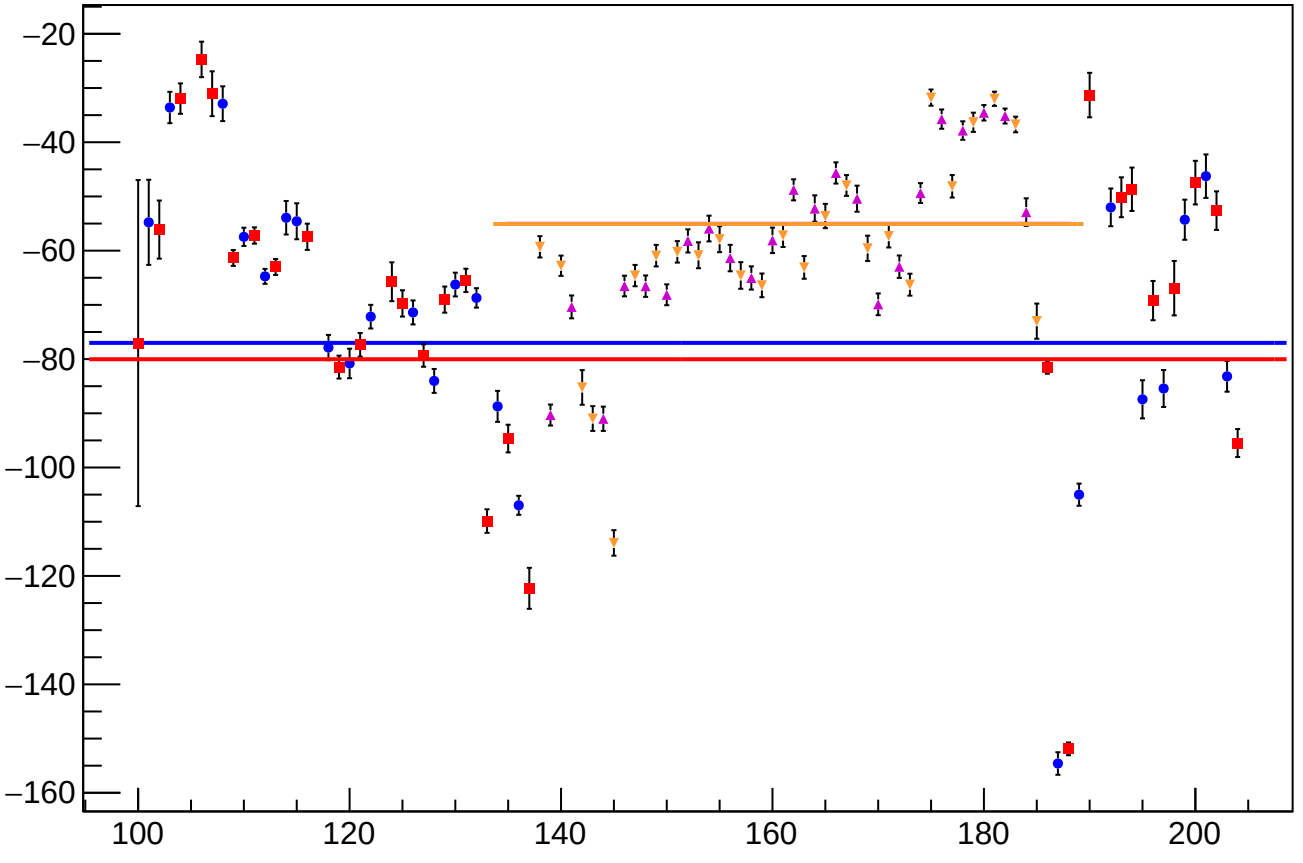
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.772+/-0.028 χ^2/NDF: 439764.6/47

All: 102.091+/-0.019 χ^2/NDF: 1997323.1/99

- sign 97.952+/-0.027 χ^2/NDF: 1505669.7/51

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -77.007+/-0.488 χ^2/NDF: 2861.3/23

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.023+/-0.421 χ^2/NDF: 5963.1/28

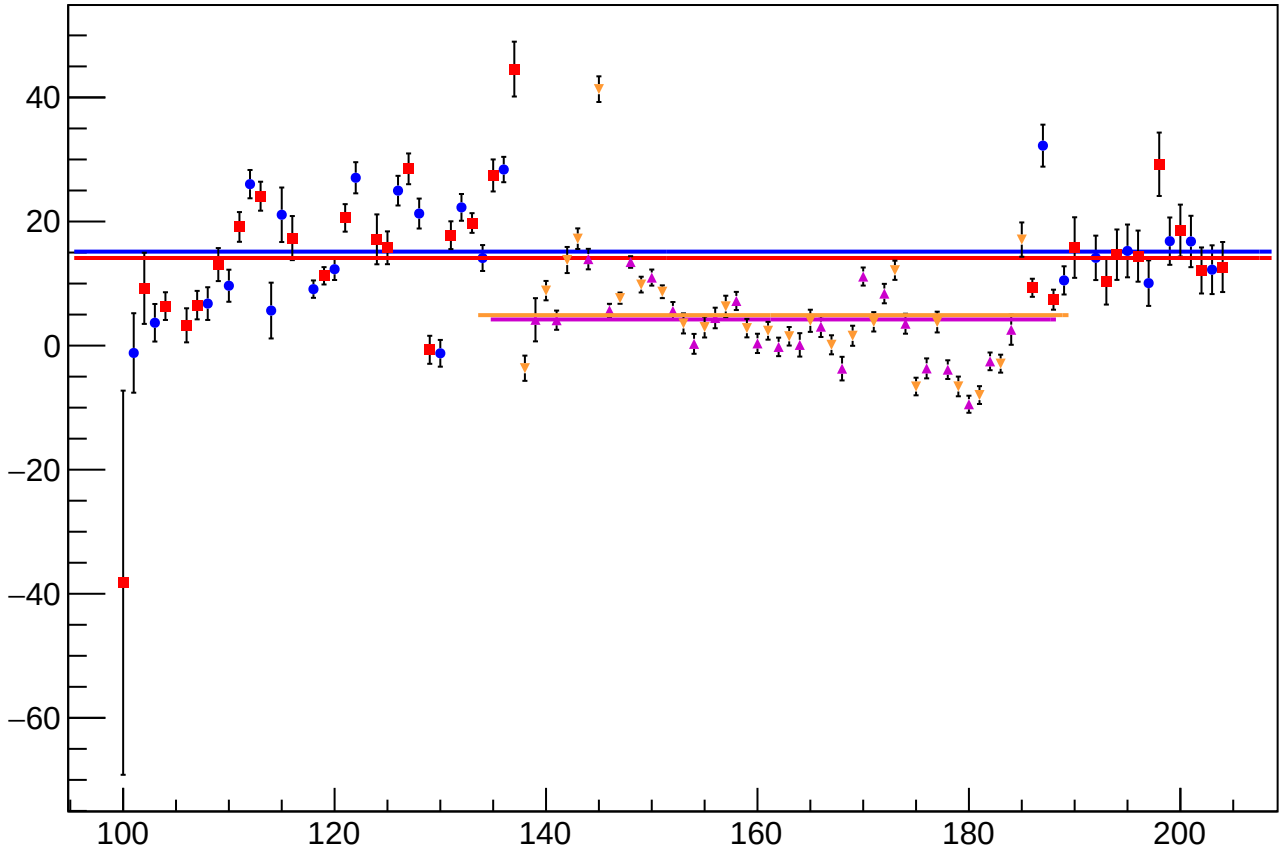
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -63.898+/-0.310 χ^2/NDF: 6069.9/48

All: -65.644+/-0.213 χ^2/NDF: 15438.6/100

- sign -67.217+/-0.294 χ^2/NDF: 9308.3/51

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.148+/-0.524 χ^2/NDF: 275.0/23

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.121+/-0.470 χ^2/NDF: 284.9/28

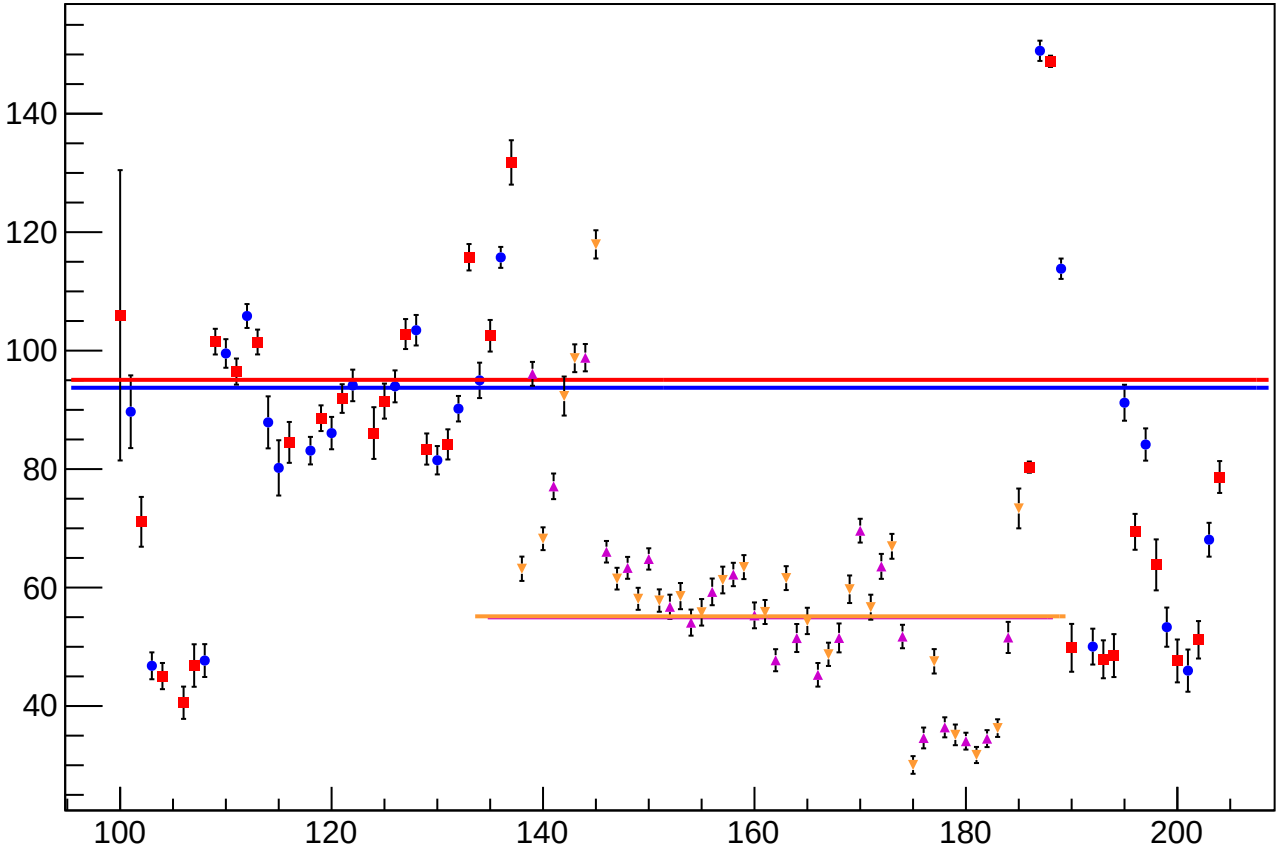
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.456+/-0.261 χ^2/NDF: 1303.5/48

All: 7.352+/-0.184 χ^2/NDF: 2311.9/100

- sign 7.250+/-0.260 χ^2/NDF: 1008.1/51

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 93.733+/-0.516 χ^2/NDF: 2858.0/23

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 95.069+/-0.424 χ^2/NDF: 5895.3/28

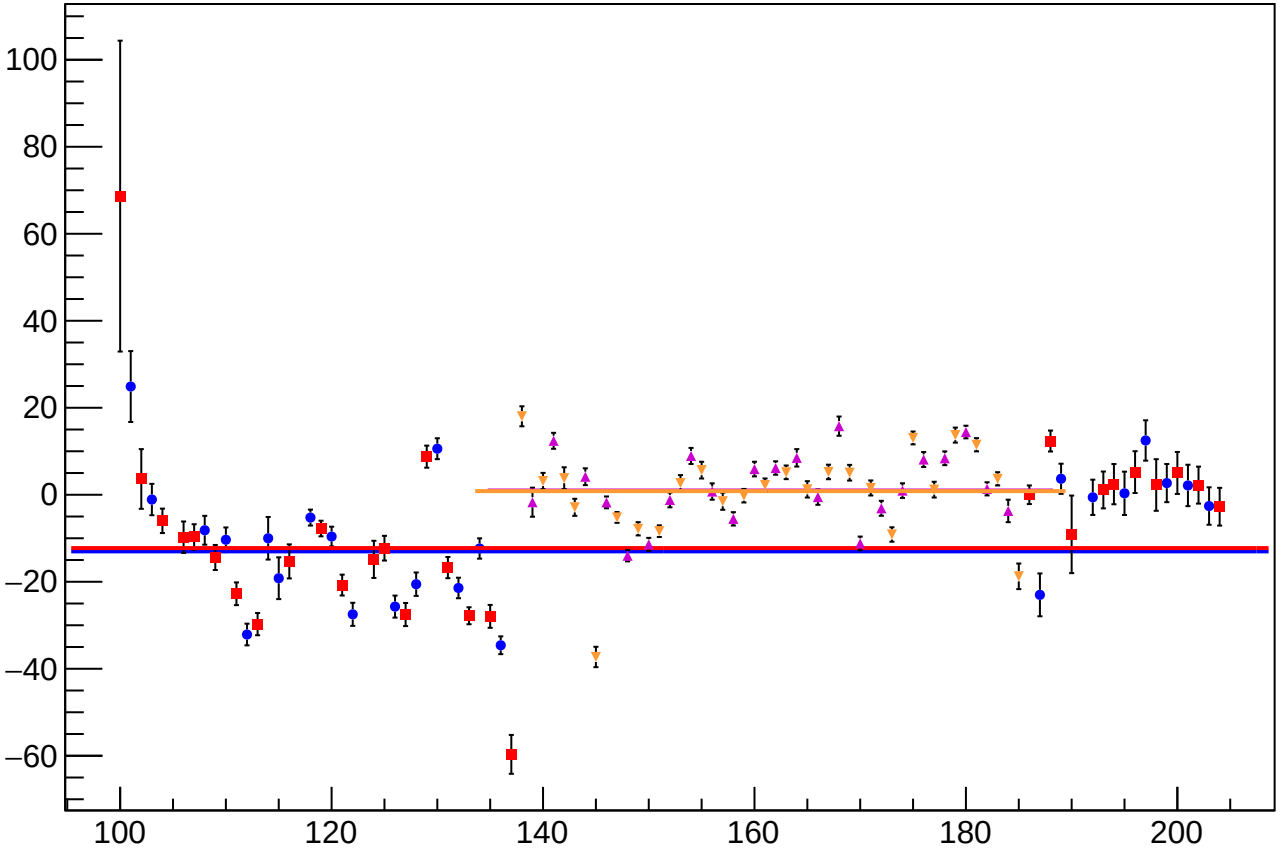
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 69.502+/-0.315 χ^2/NDF: 8618.1/48

All: 71.983+/-0.214 χ^2/NDF: 21081.4/100

- sign 74.136+/-0.293 χ^2/NDF: 12347.1/51

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.014+/-0.611 χ^2/NDF: 503.0/23

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

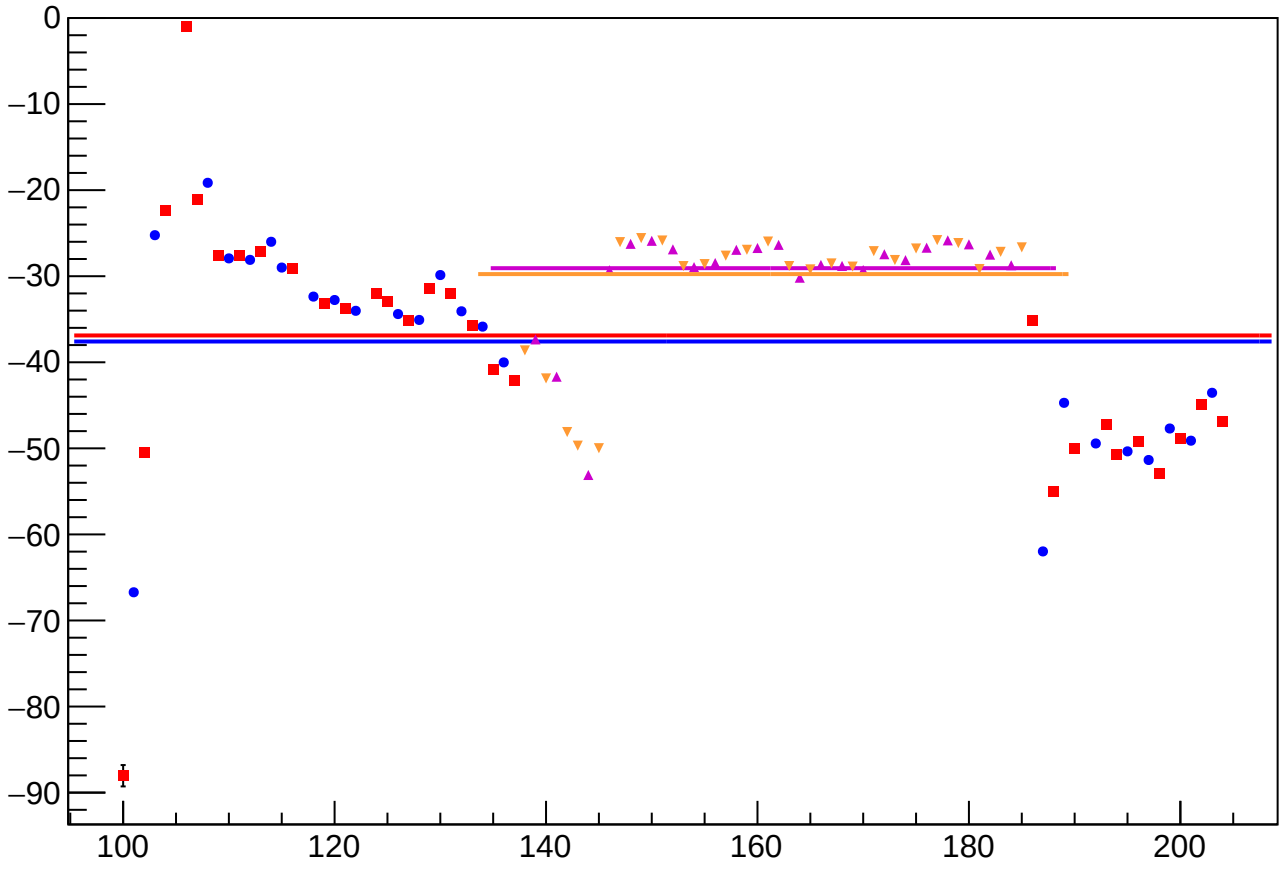
Right Out: -12.255+/-0.564 χ^2/NDF: 622.8/28

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

\+ sign -2.480+/-0.299 χ^2/NDF: 1611.4/48

All: -2.615+/-0.212 χ^2/NDF: 3188.5/100

\- sign -2.750+/-0.299 χ^2/NDF: 1576.7/51



Right In: -37.585+/-0.031 χ^2/NDF: 111003.9/23

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -36.884+/-0.030 χ^2/NDF: 205340.1/28

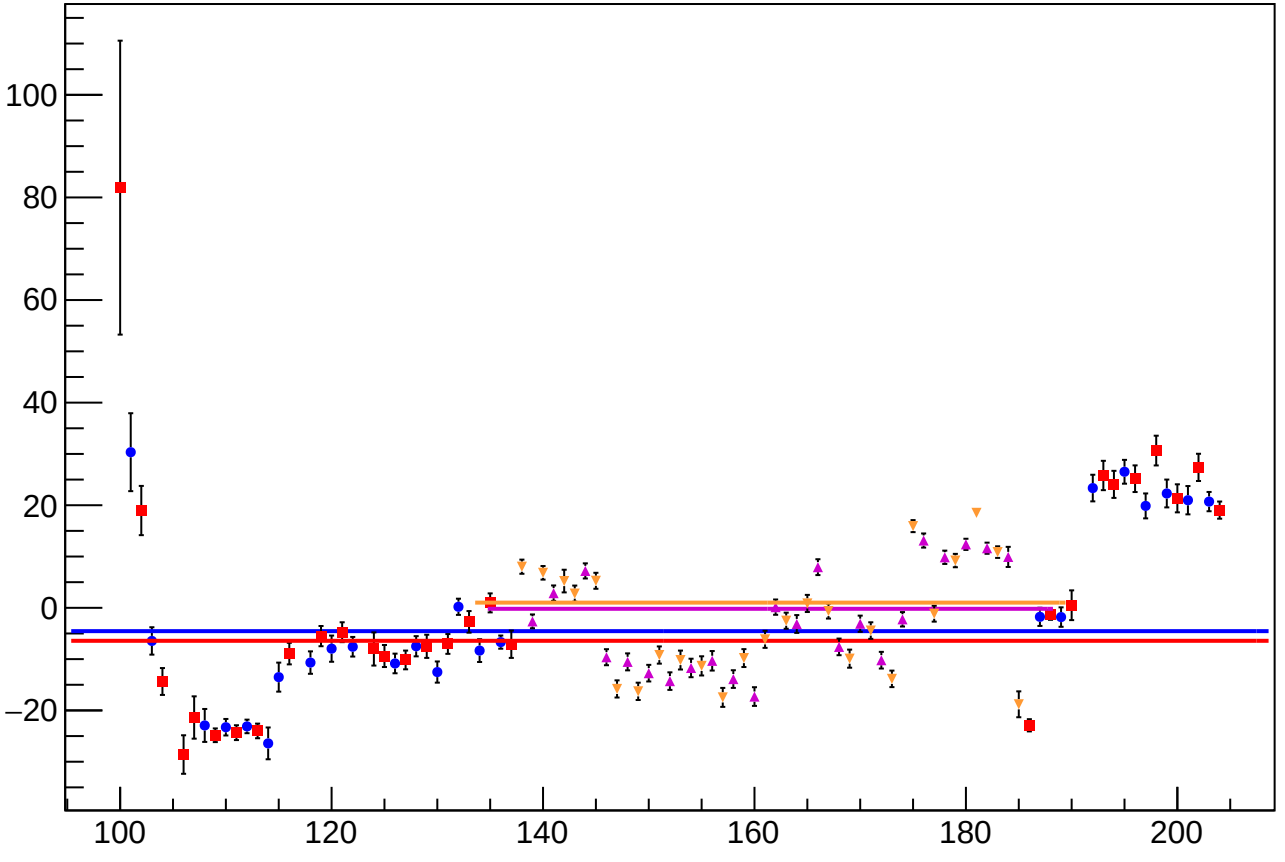
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -31.322+/-0.014 χ^2/NDF: 325189.2/48

All: -31.057+/-0.010 χ^2/NDF: 686856.3/100

- sign -30.793+/-0.014 χ^2/NDF: 360946.0/51

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -4.546+/-0.419 χ^2/NDF: 1265.6/23

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -6.429+/-0.370 χ^2/NDF: 1910.5/28

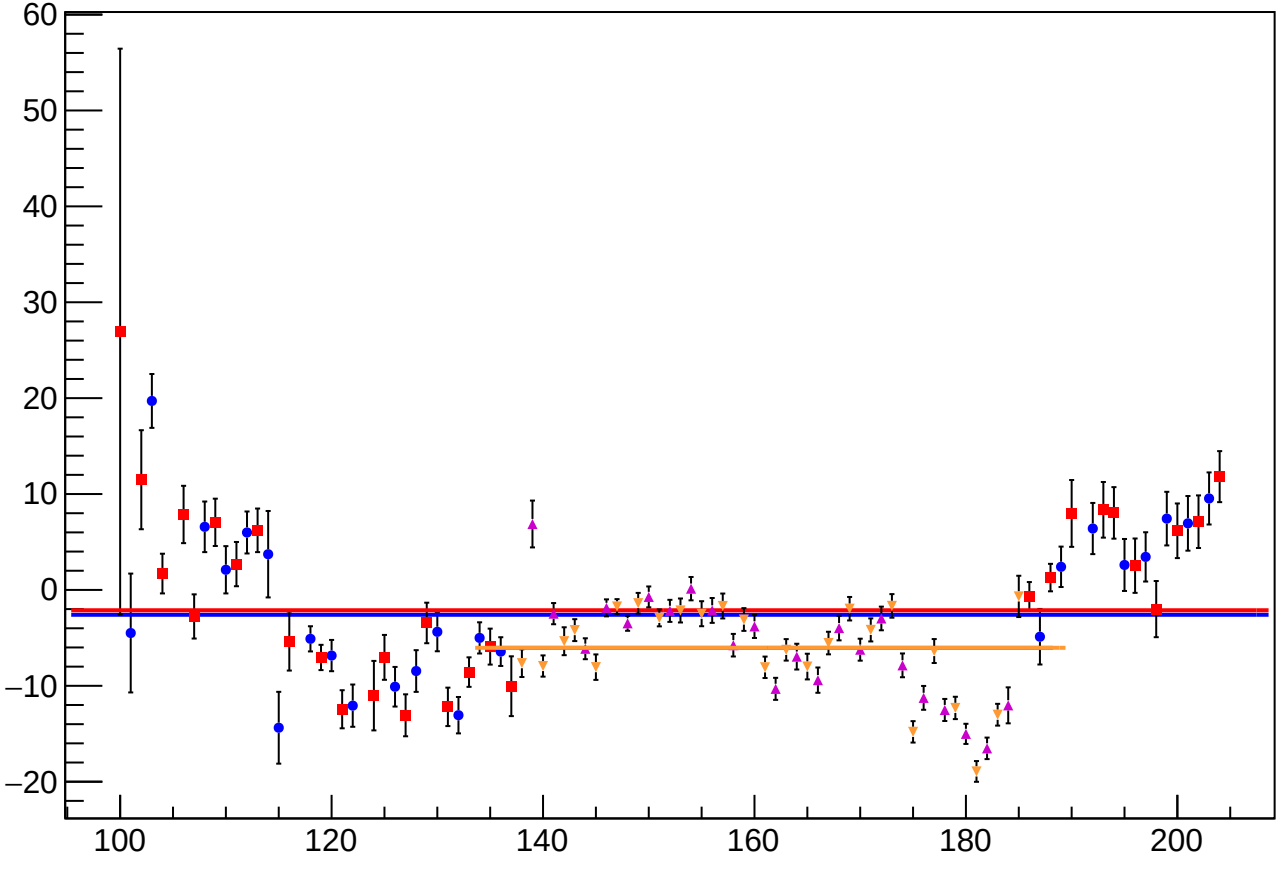
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -0.910+/-0.246 χ^2/NDF: 2716.0/48

All: -1.884+/-0.172 χ^2/NDF: 5804.4/100

- sign -2.806+/-0.240 χ^2/NDF: 3058.1/51

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.591+/-0.452 χ^2/NDF: 266.3/23

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -2.120+/-0.418 χ^2/NDF: 277.8/28

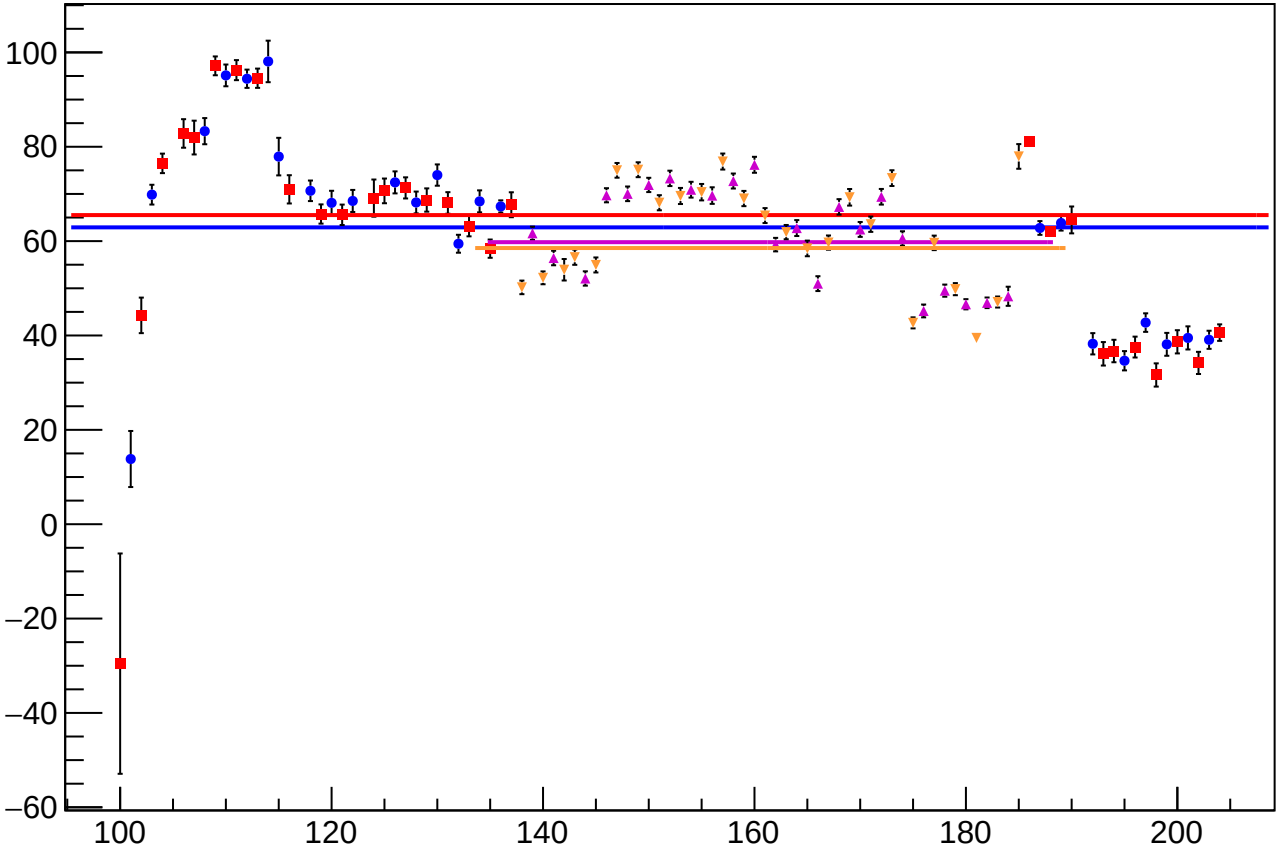
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.310+/-0.207 χ^2/NDF: 727.1/48

All: -5.183+/-0.147 χ^2/NDF: 1467.7/100

- sign -5.053+/-0.210 χ^2/NDF: 739.9/51

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 62.915+/-0.435 χ^2/NDF: 1527.5/23

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 65.518+/-0.371 χ^2/NDF: 2242.3/28

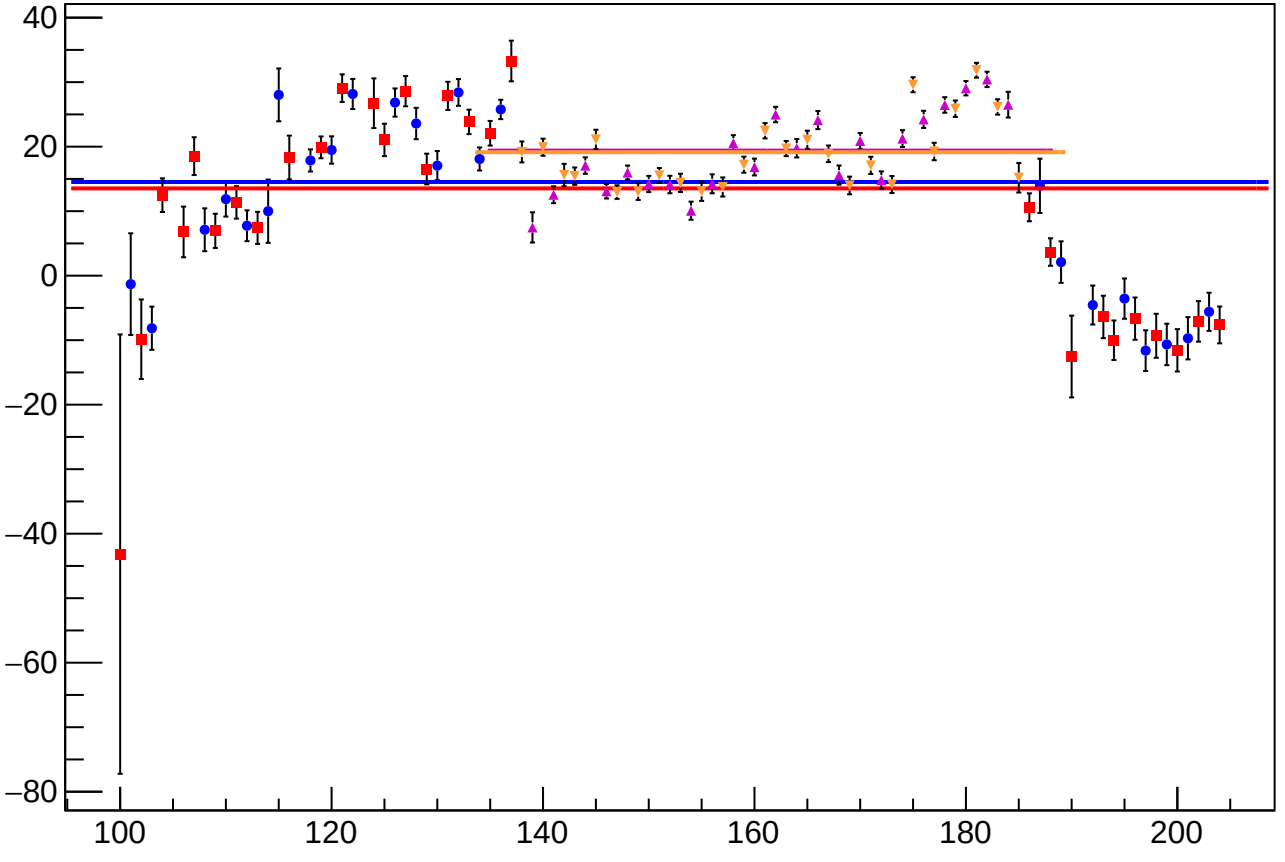
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 59.966+/-0.249 χ^2/NDF: 3045.0/48

All: 61.102+/-0.172 χ^2/NDF: 6538.2/100

- sign 62.149+/-0.239 χ^2/NDF: 3453.1/51

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 14.525+/-0.521 χ^2/NDF: 590.7/23

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 13.529+/-0.496 χ^2/NDF: 675.7/28

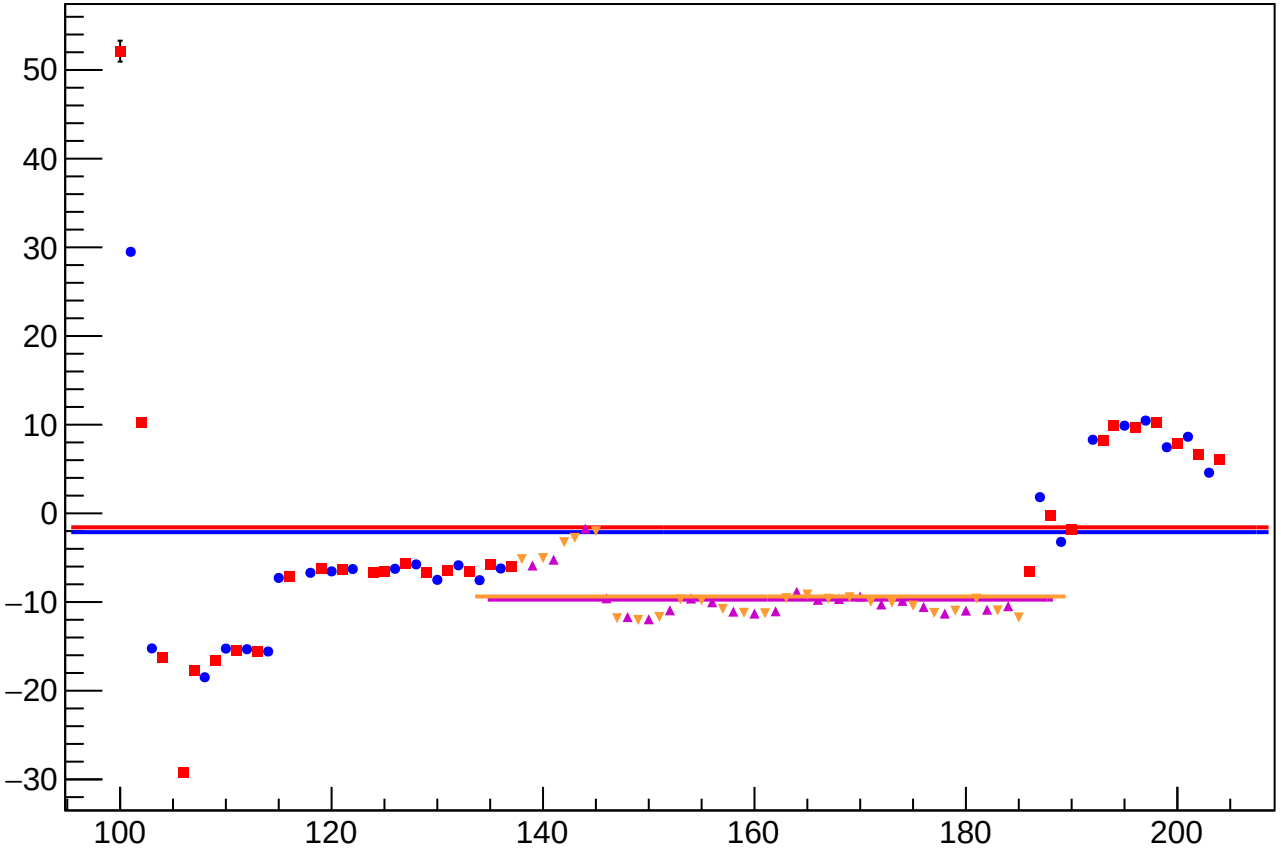
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 18.195+/-0.235 χ^2/NDF: 1086.9/48

All: 18.109+/-0.168 χ^2/NDF: 2337.7/100

- sign 18.021+/-0.240 χ^2/NDF: 1250.5/51

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -2.119+/-0.025 χ^2/NDF: 149271.9/23

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -1.574+/-0.024 χ^2/NDF: 186916.1/28

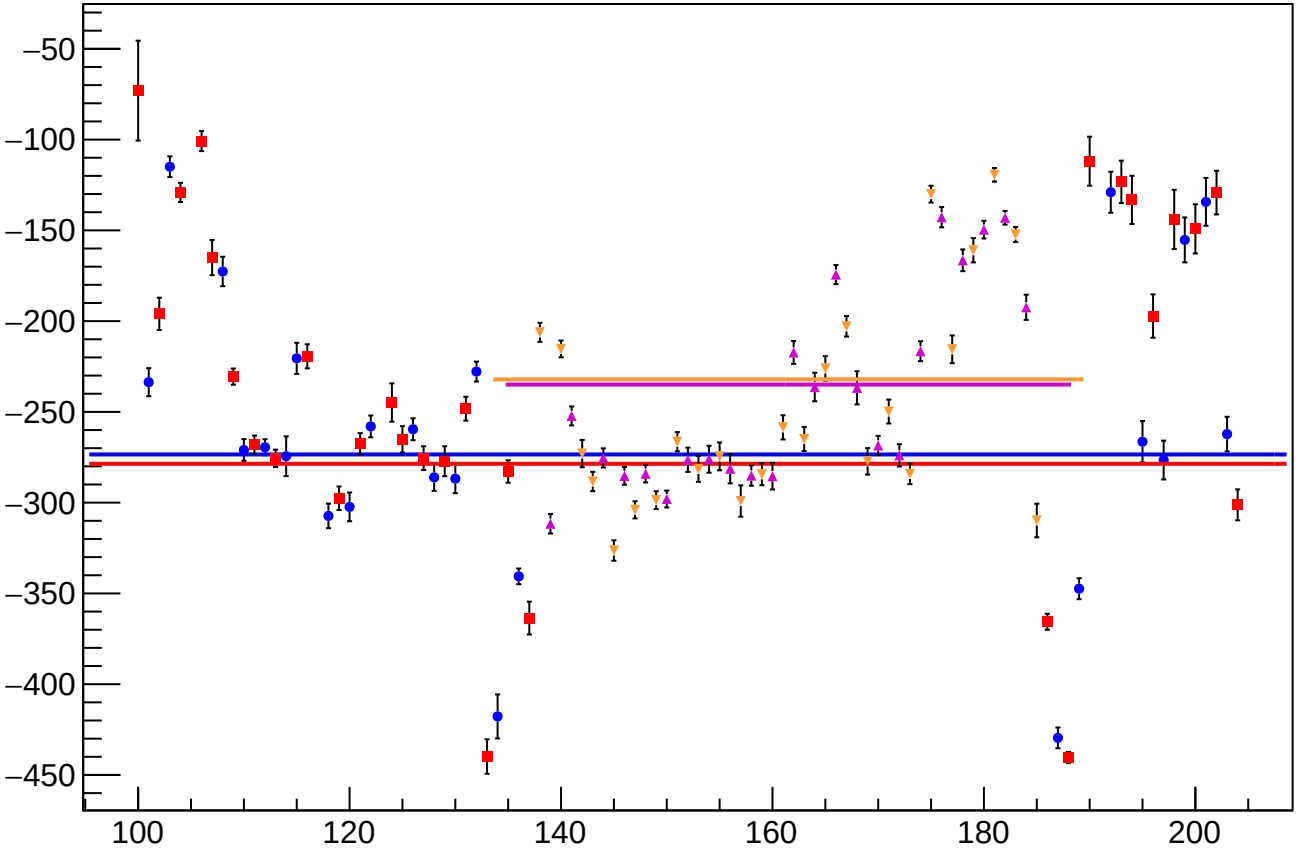
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -8.021+/-0.011 χ^2/NDF: 268785.5/48

All: -8.058+/-0.008 χ^2/NDF: 578294.3/100

- sign -8.095+/-0.011 χ^2/NDF: 309485.1/51

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -273.451+/-1.425 χ^2/NDF: 2779.4/23

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -278.580+/-1.236 χ^2/NDF: 6735.4/28

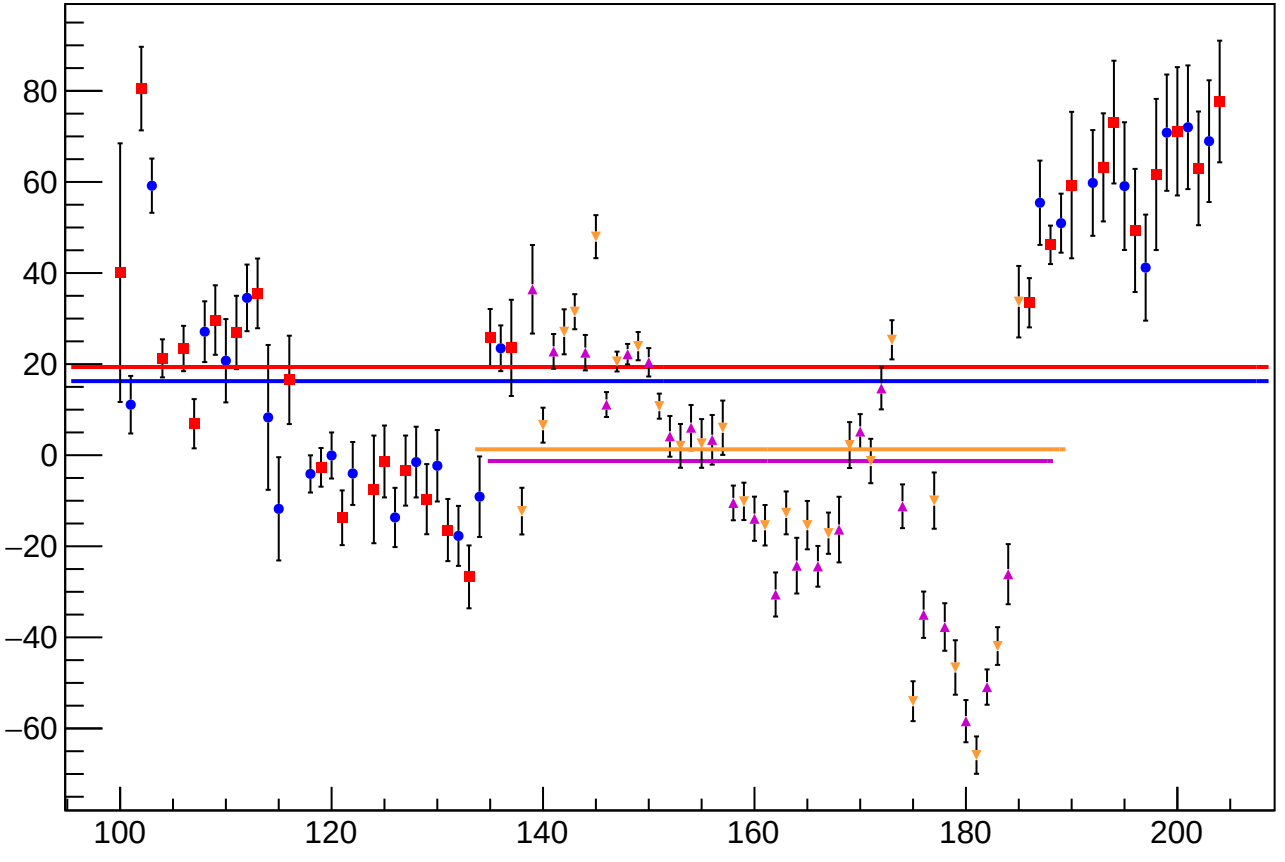
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -248.279+/-0.892 χ^2/NDF: 6561.8/48

All: -252.143+/-0.616 χ^2/NDF: 16457.3/100

- sign -255.671+/-0.852 χ^2/NDF: 9859.6/51

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 16.265+/-1.503 χ^2/NDF: 306.2/23

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 19.366+/-1.342 χ^2/NDF: 363.1/28

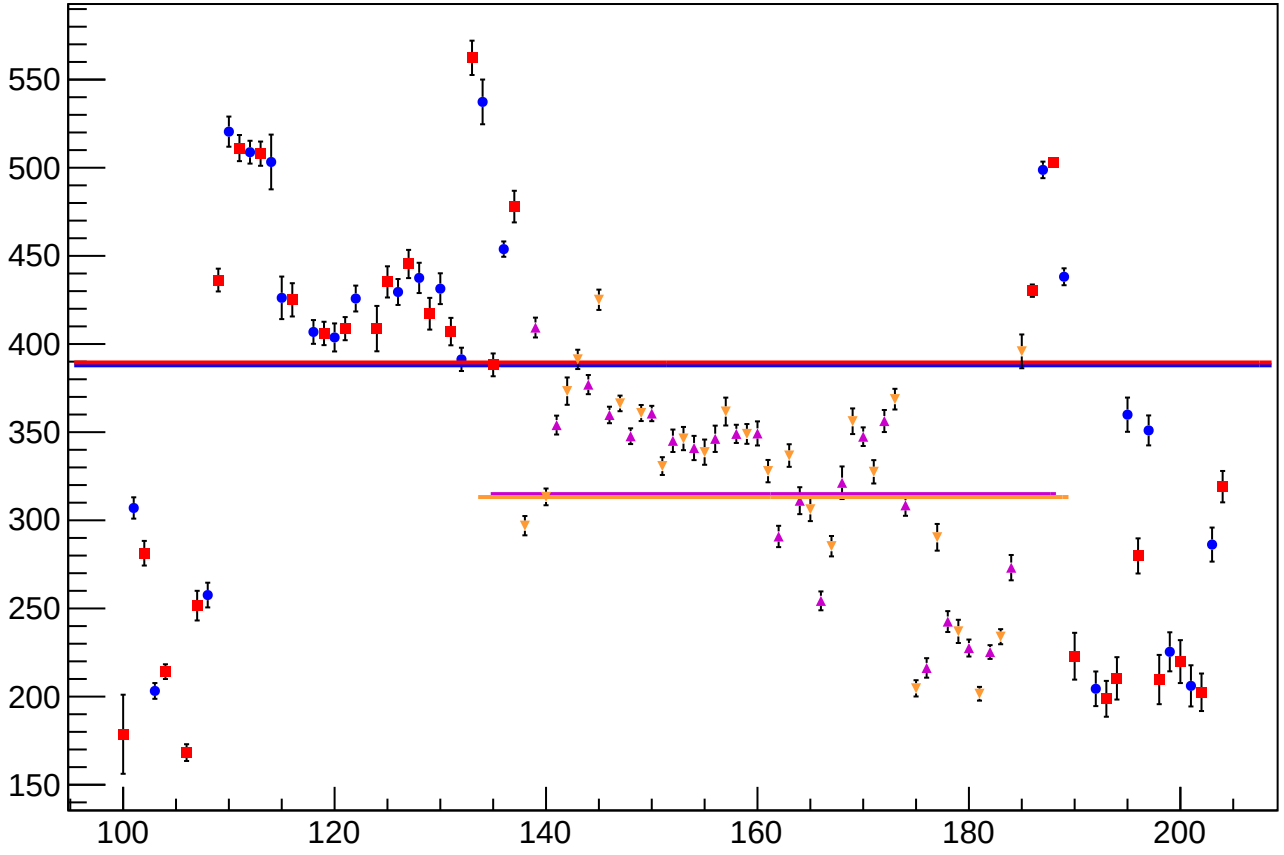
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

+ sign 4.837+/-0.731 χ^2/NDF: 1431.3/48

All: 4.827+/-0.516 χ^2/NDF: 2772.5/100

- sign 4.818+/-0.729 χ^2/NDF: 1341.1/51

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 387.924+/-1.444 χ^2/NDF: 4988.4/23

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 389.535+/-1.212 χ^2/NDF: 9516.2/28

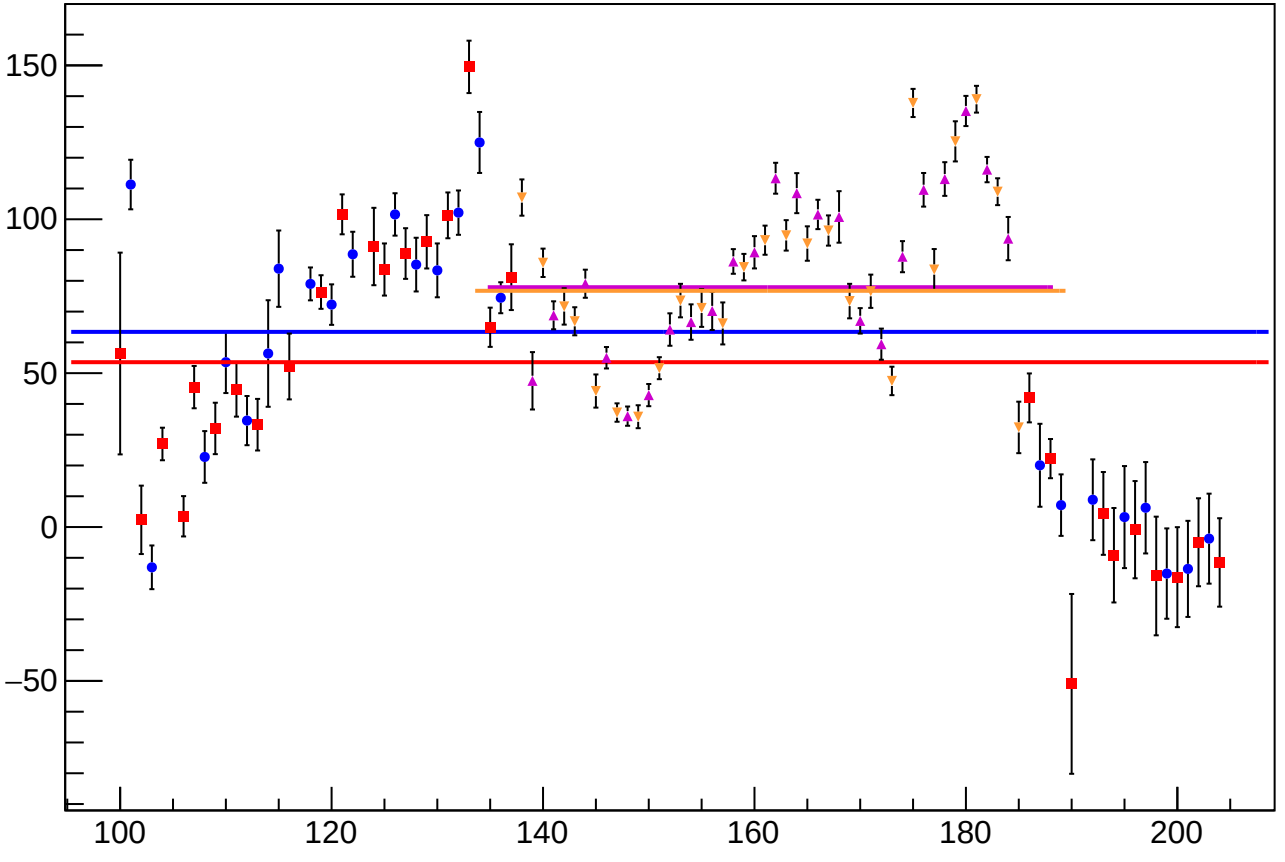
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 341.696+/-0.892 χ^2/NDF: 9780.3/48

All: 346.433+/-0.611 χ^2/NDF: 23758.2/100

- sign 350.619+/-0.838 χ^2/NDF: 13924.7/51

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 63.414+/-1.765 χ^2/NDF: 489.9/23

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 53.563+/-1.618 χ^2/NDF: 580.2/28

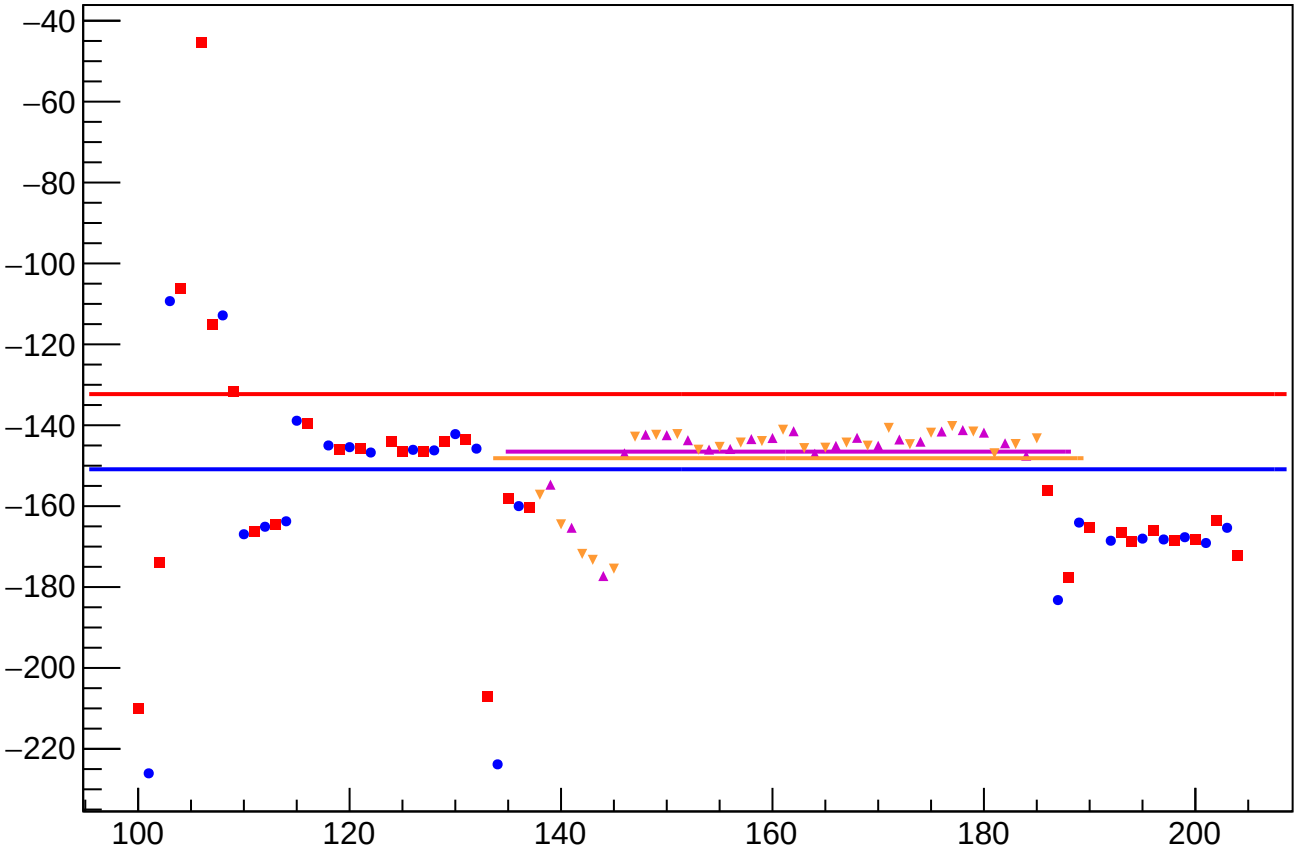
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 73.680+/-0.848 χ^2/NDF: 1569.2/48

All: 72.451+/-0.600 χ^2/NDF: 3101.8/100

- sign 71.219+/-0.849 χ^2/NDF: 1528.4/51

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -150.883+/-0.085 χ^2/NDF: 145976.6/23

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -132.301+/-0.077 χ^2/NDF: 347268.2/28

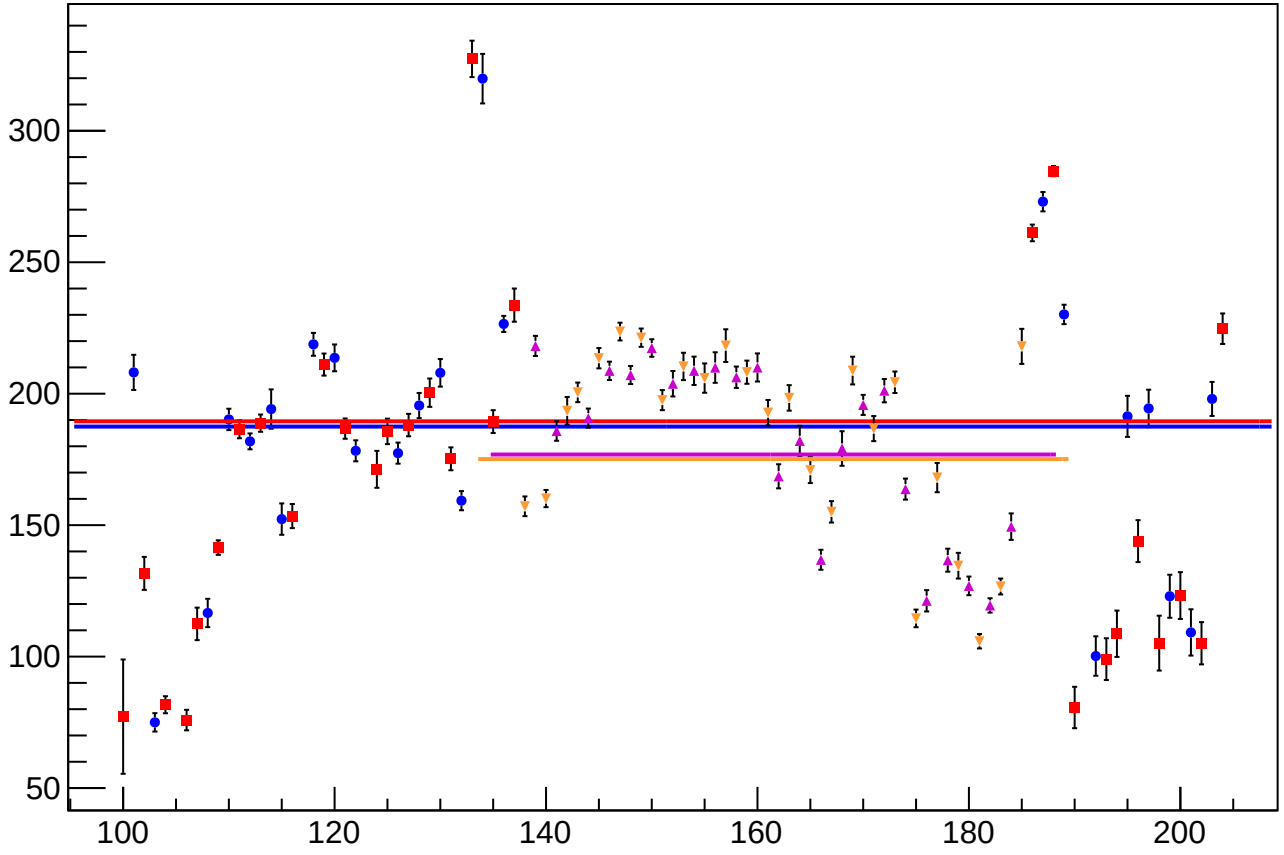
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -148.744+/-0.040 χ^2/NDF: 195688.2/48

All: -145.729+/-0.028 χ^2/NDF: 608739.1/100

- sign -142.820+/-0.039 χ^2/NDF: 401820.2/51

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 187.492+/-0.955 χ^2/NDF: 2736.3/23

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 189.493+/-0.818 χ^2/NDF: 6716.0/28

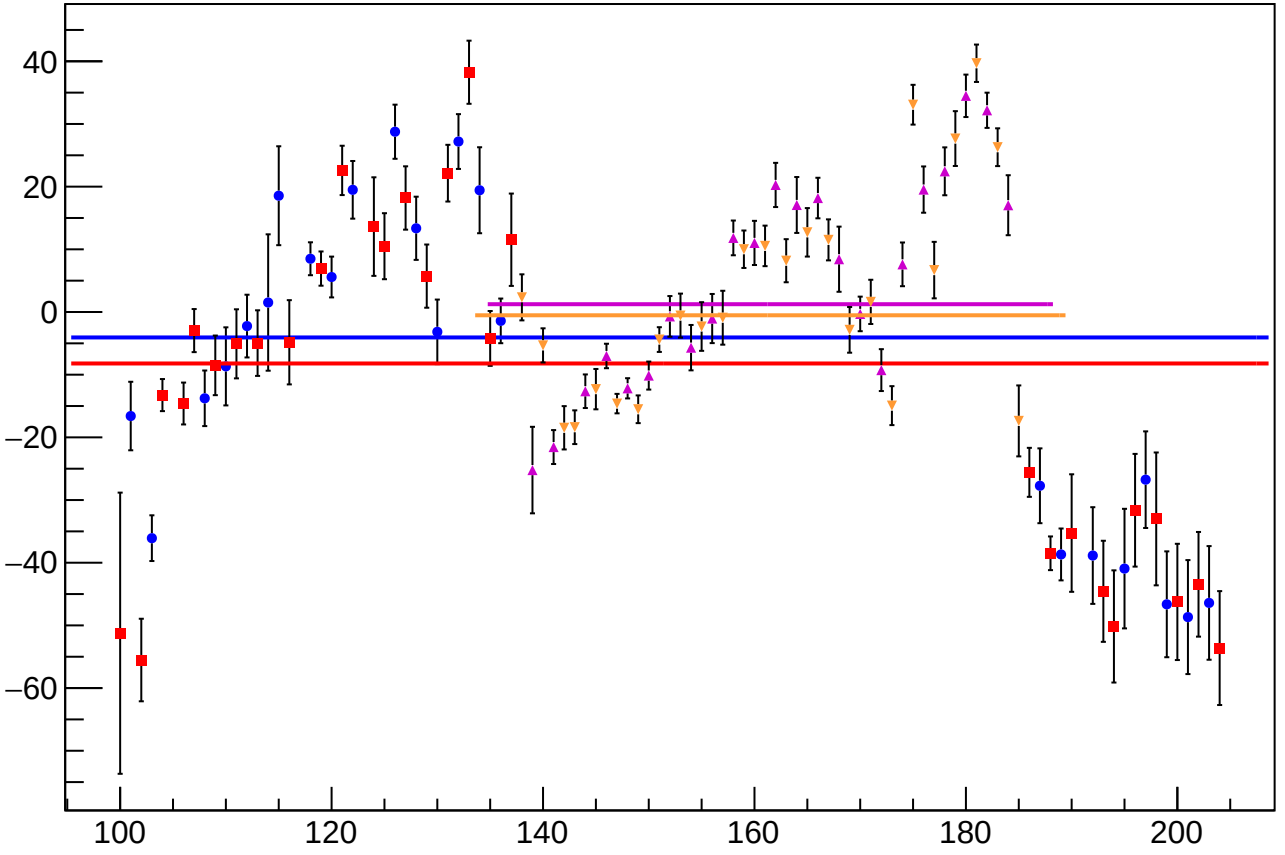
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 180.389+/-0.623 χ^2/NDF: 5127.8/48

All: 181.976+/-0.428 χ^2/NDF: 13727.2/100

- sign 183.393+/-0.589 χ^2/NDF: 8587.1/51

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.060+/-1.006 χ^2/NDF: 488.3/23

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -8.213+/-0.884 χ^2/NDF: 620.8/28

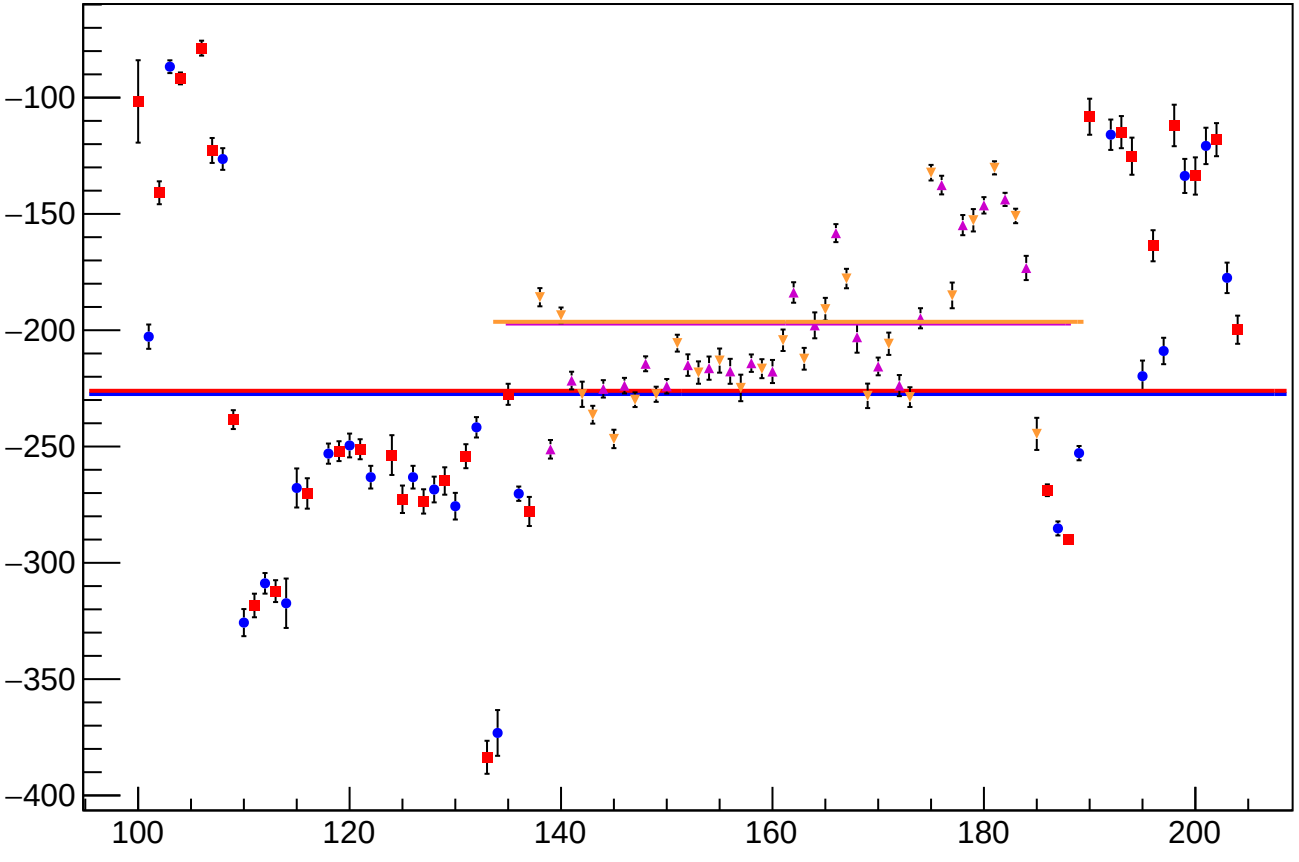
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -1.453+/-0.516 χ^2/NDF: 1221.8/48

All: -1.683+/-0.363 χ^2/NDF: 2539.8/100

- sign -1.909+/-0.511 χ^2/NDF: 1317.6/51

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -227.428+/-0.965 χ^2/NDF: 5686.7/23

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -226.043+/-0.799 χ^2/NDF: 10426.2/28

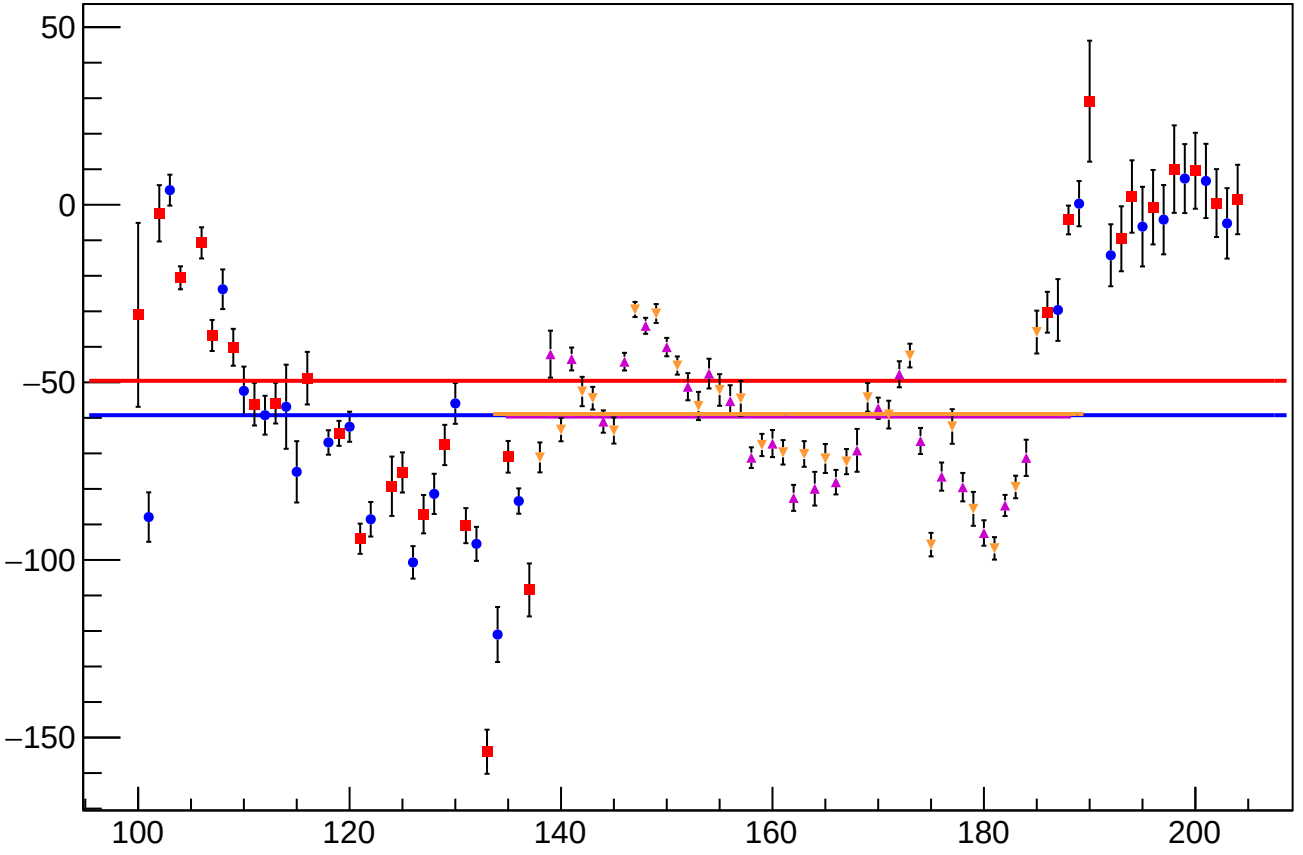
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -209.327+/-0.623 χ^2/NDF: 8288.5/48

All: -210.905+/-0.424 χ^2/NDF: 20953.1/100

- sign -212.263+/-0.578 χ^2/NDF: 12652.6/51

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -59.246+/-1.185 χ^2/NDF: 876.8/23

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -49.561+/-1.069 χ^2/NDF: 1197.7/28

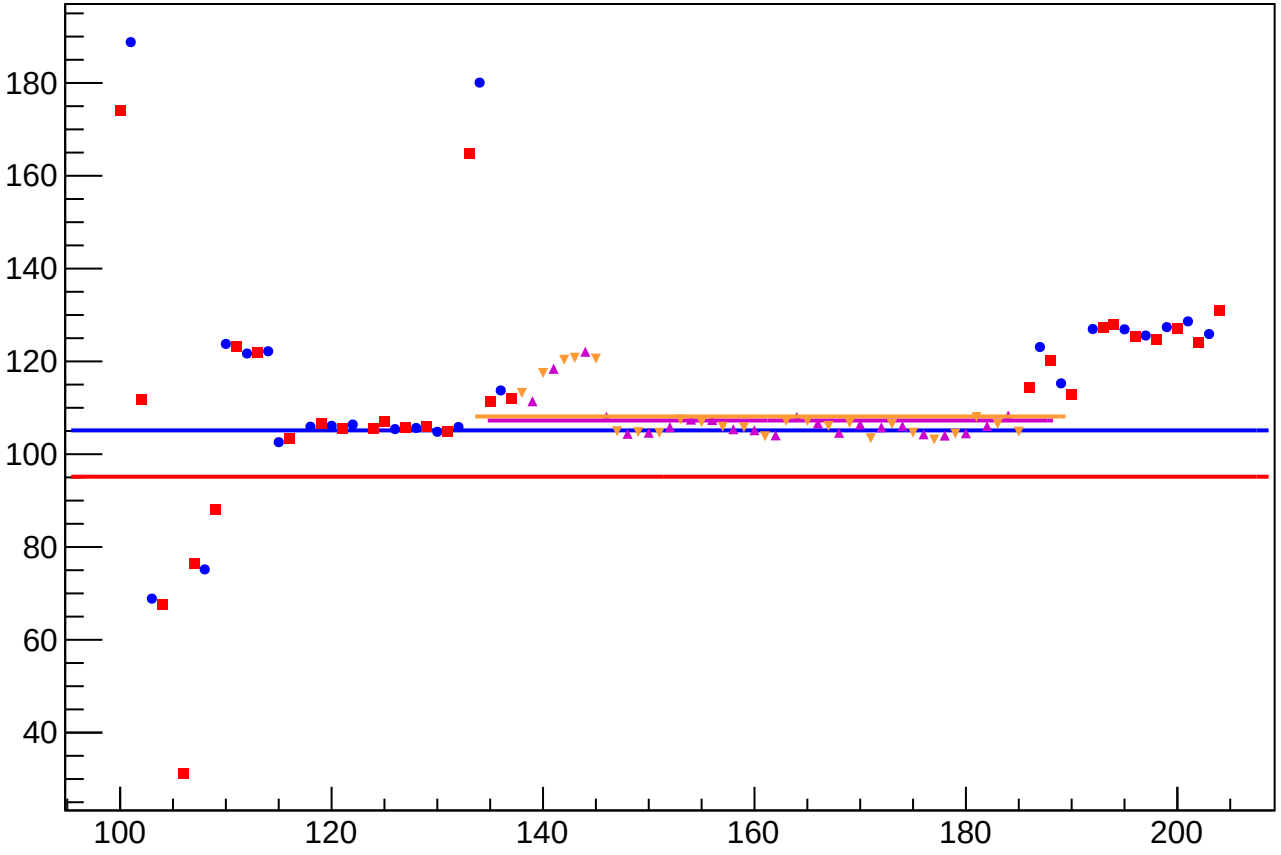
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -58.996+/-0.599 χ^2/NDF: 1659.3/48

All: -57.742+/-0.423 χ^2/NDF: 3524.0/100

- sign -56.502+/-0.596 χ^2/NDF: 1855.9/51

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 105.130+/-0.057 χ^2/NDF: 271248.6/23

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

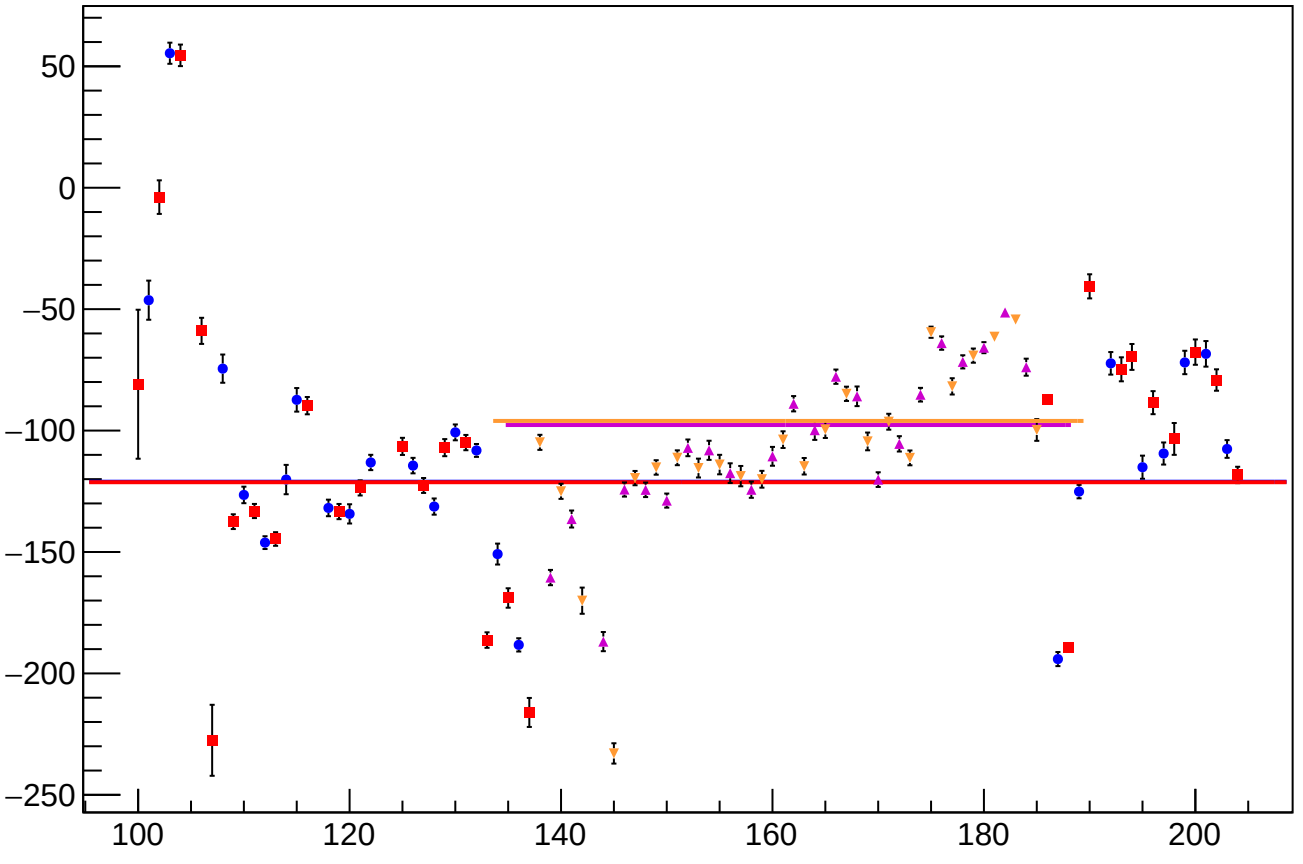
Right Out: 95.150+/-0.052 χ^2/NDF: 385321.2/28

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 107.402+/-0.028 χ^2/NDF: 299763.4/48

All: 105.569+/-0.020 χ^2/NDF: 749251.4/100

- sign 103.797+/-0.028 χ^2/NDF: 441185.0/51



Right In: -121.058+/-0.745 χ^2/NDF: 3664.3/23

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

Right Out: -121.263+/-0.644 χ^2/NDF: 5991.9/27

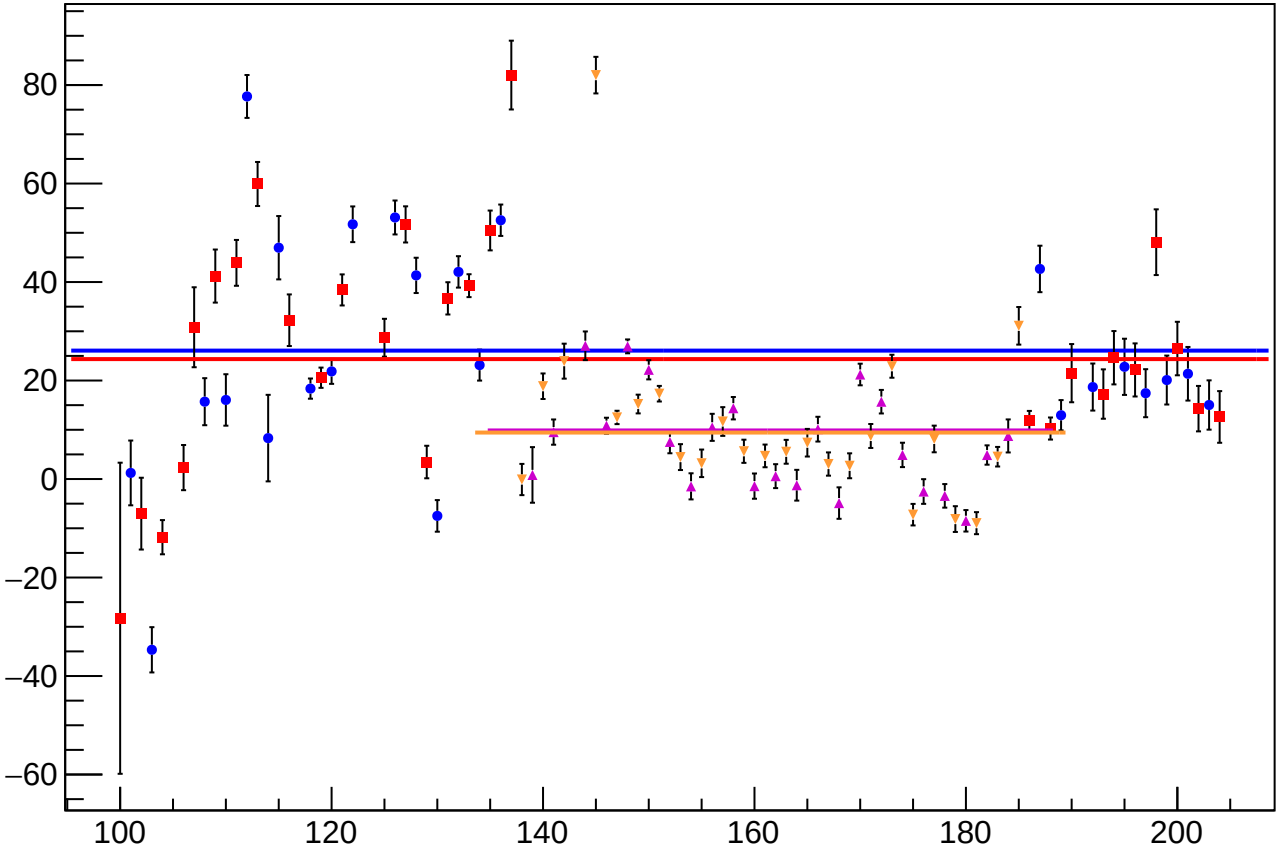
Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

\+ sign -106.560+/-0.483 χ^2/NDF: 7089.5/47

All: -108.060+/-0.331 χ^2/NDF: 16414.4/98

\- sign -109.382+/-0.454 χ^2/NDF: 9306.8/50

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 26.077+/-0.779 χ^2/NDF: 747.2/23

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

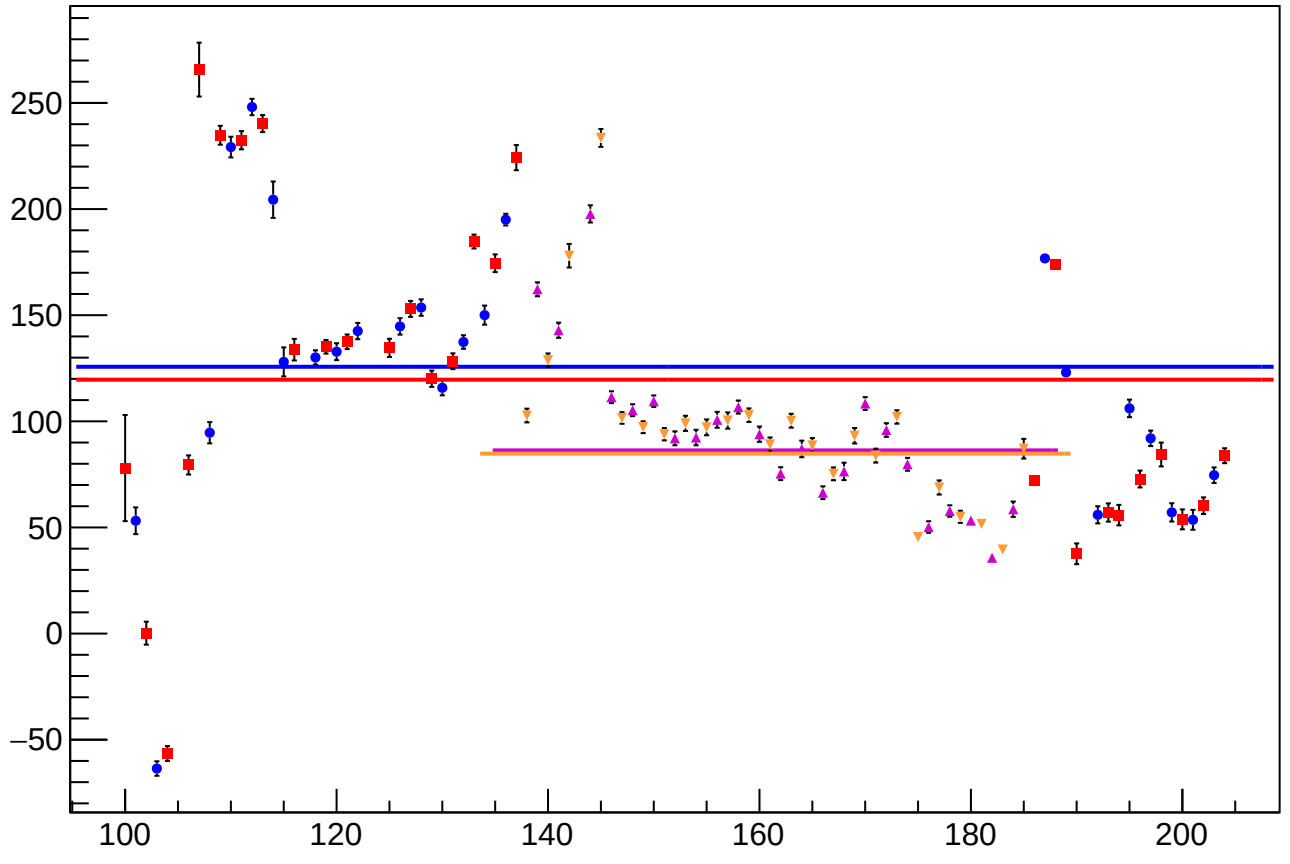
Right Out: 24.353+/-0.710 χ^2/NDF: 634.3/27

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

+ sign 13.992+/-0.407 χ^2/NDF: 1815.3/47

All: 14.245+/-0.286 χ^2/NDF: 3218.8/98

- sign 14.490+/-0.401 χ^2/NDF: 1402.8/50



Right In: 125.703+/-0.761 χ^2/NDF: 7118.6/23

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

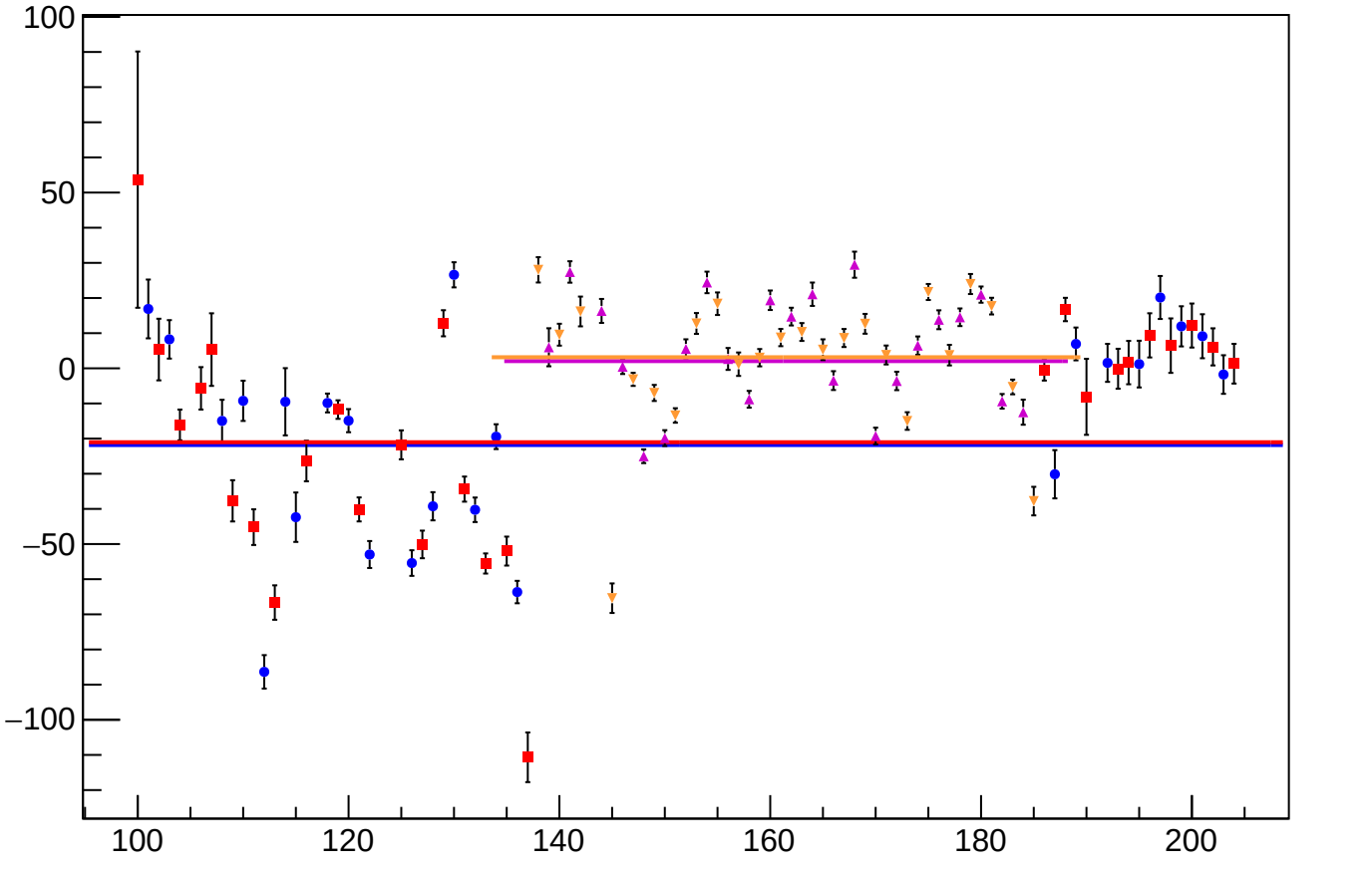
Right Out: 119.616+/-0.622 χ^2/NDF: 10901.5/27

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 101.391+/-0.485 χ^2/NDF: 11949.6/47

All: 102.385+/-0.327 χ^2/NDF: 27423.4/98

\- sign 103.217+/-0.443 χ^2/NDF: 15466.1/50



Right In: -21.825+/-0.914 χ^2/NDF: 1019.8/23

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

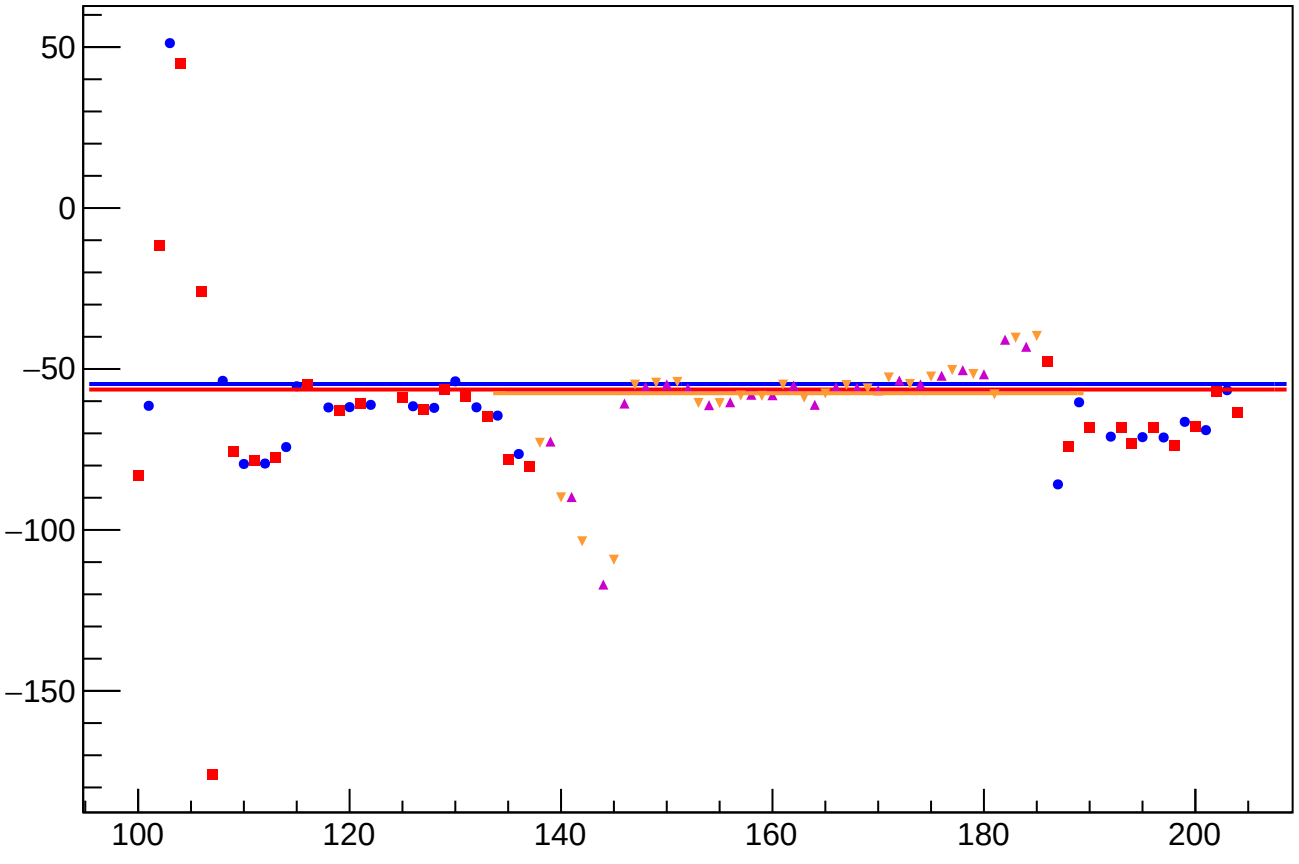
Right Out: -21.033+/-0.860 χ^2/NDF: 1015.6/27

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

\+ sign -3.378+/-0.467 χ^2/NDF: 2385.2/47

All: -4.025+/-0.329 χ^2/NDF: 4765.8/98

\- sign -4.663+/-0.464 χ^2/NDF: 2376.8/50



Right In: -54.665+/-0.045 χ^2/NDF: 641858.3/23

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

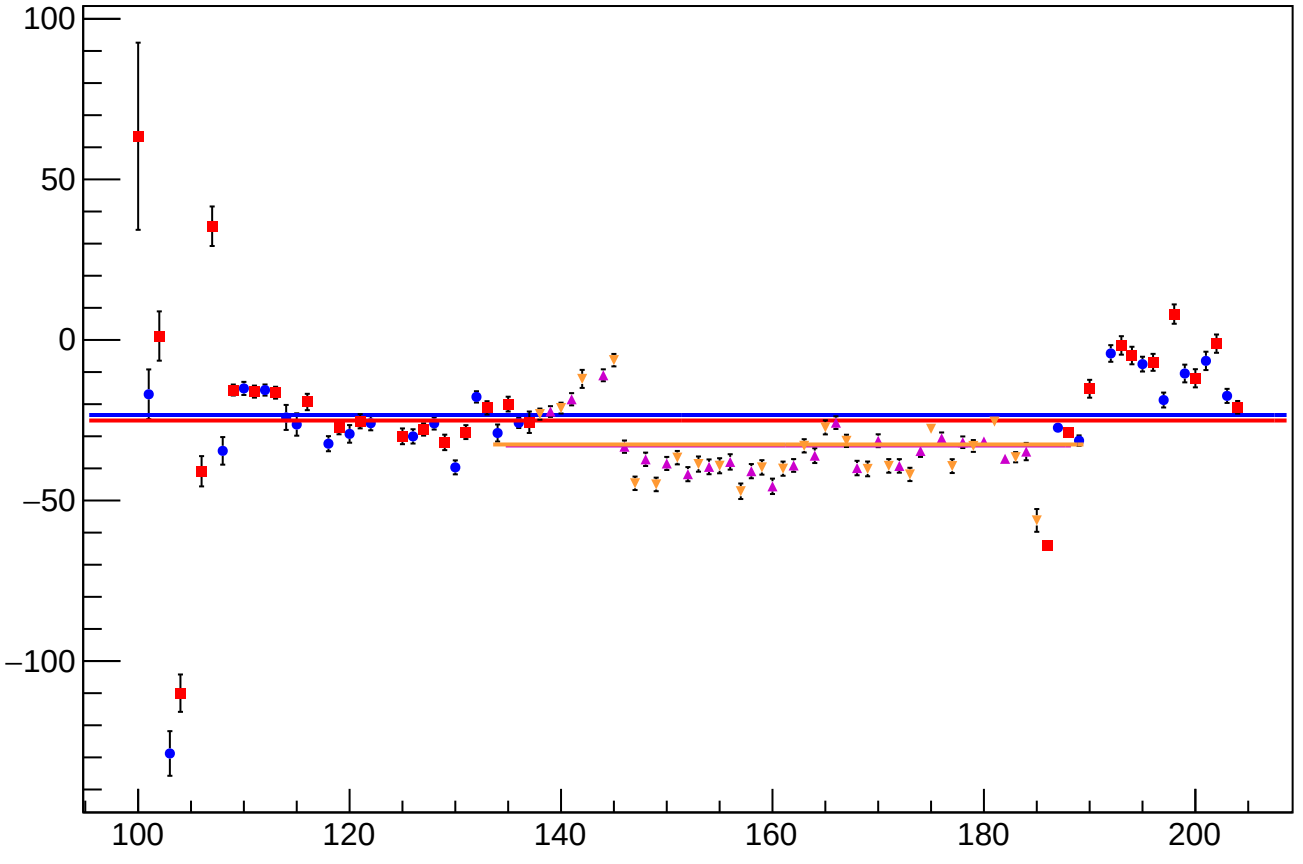
Right Out: -56.384+/-0.044 χ^2/NDF: 561747.7/27

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -56.875+/-0.022 χ^2/NDF: 911964.2/47

All: -57.006+/-0.015 χ^2/NDF: 1701311.9/98

- sign -57.136+/-0.022 χ^2/NDF: 789274.7/50



Right In: -23.372+/-0.460 χ^2/NDF: 580.7/23

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -25.089+/-0.409 χ^2/NDF: 1620.2/27

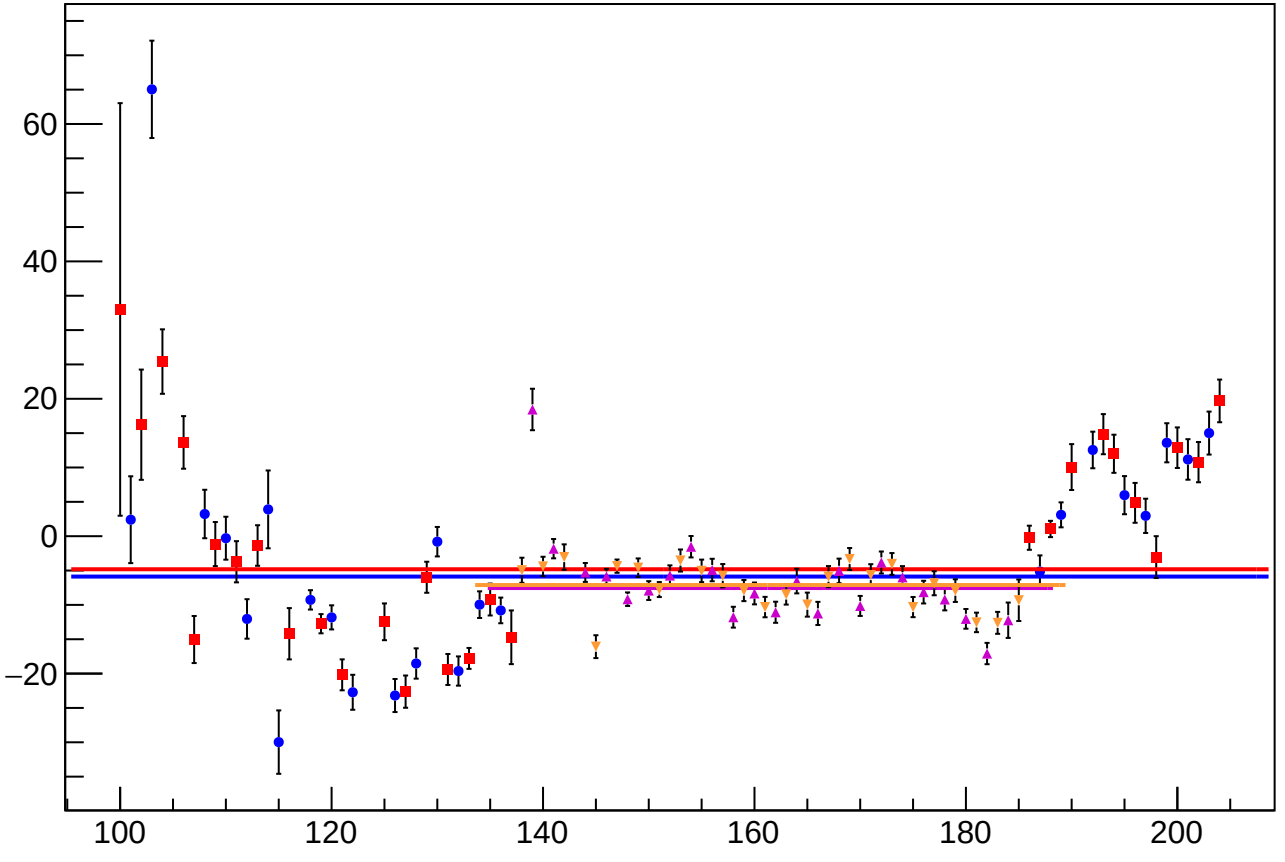
Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

+ sign -28.526+/-0.305 χ^2/NDF: 1407.7/47

All: -28.749+/-0.210 χ^2/NDF: 3582.1/98

- sign -28.952+/-0.290 χ^2/NDF: 2173.4/50

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -5.877+/-0.498 χ^2/NDF: 579.2/23

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -4.813+/-0.464 χ^2/NDF: 631.5/27

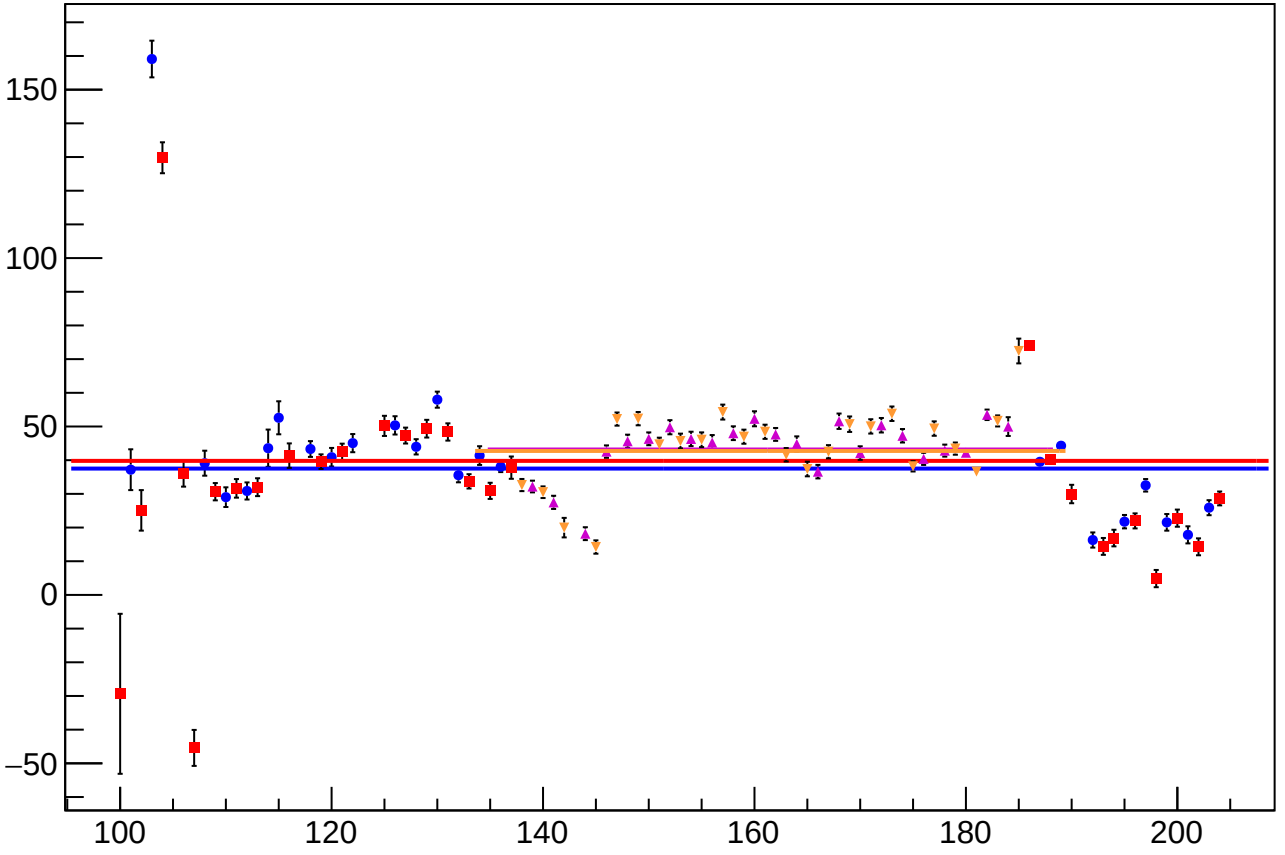
Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -6.767+/-0.263 χ^2/NDF: 693.1/47

All: -6.725+/-0.185 χ^2/NDF: 1548.2/98

- sign -6.683+/-0.261 χ^2/NDF: 855.0/50

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: 37.509+/-0.461 χ^2/NDF: 962.6/23

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 39.795+/-0.394 χ^2/NDF: 2307.2/27

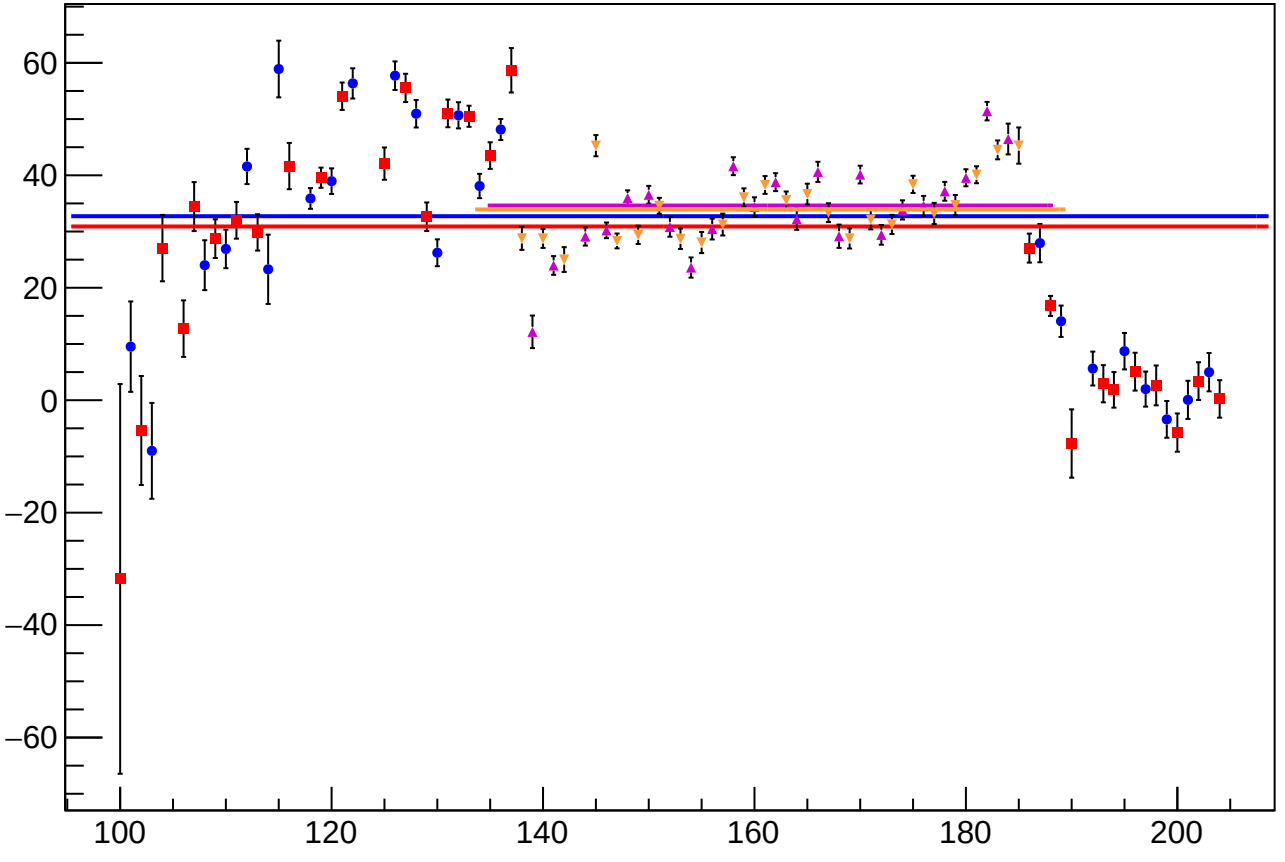
Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

\+ sign 40.475+/-0.304 χ^2/NDF: 1667.2/47

All: 40.984+/-0.207 χ^2/NDF: 4428.1/98

\- sign 41.427+/-0.283 χ^2/NDF: 2755.6/50

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: 32.725+/-0.584 χ^2/NDF: 1017.9/23

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

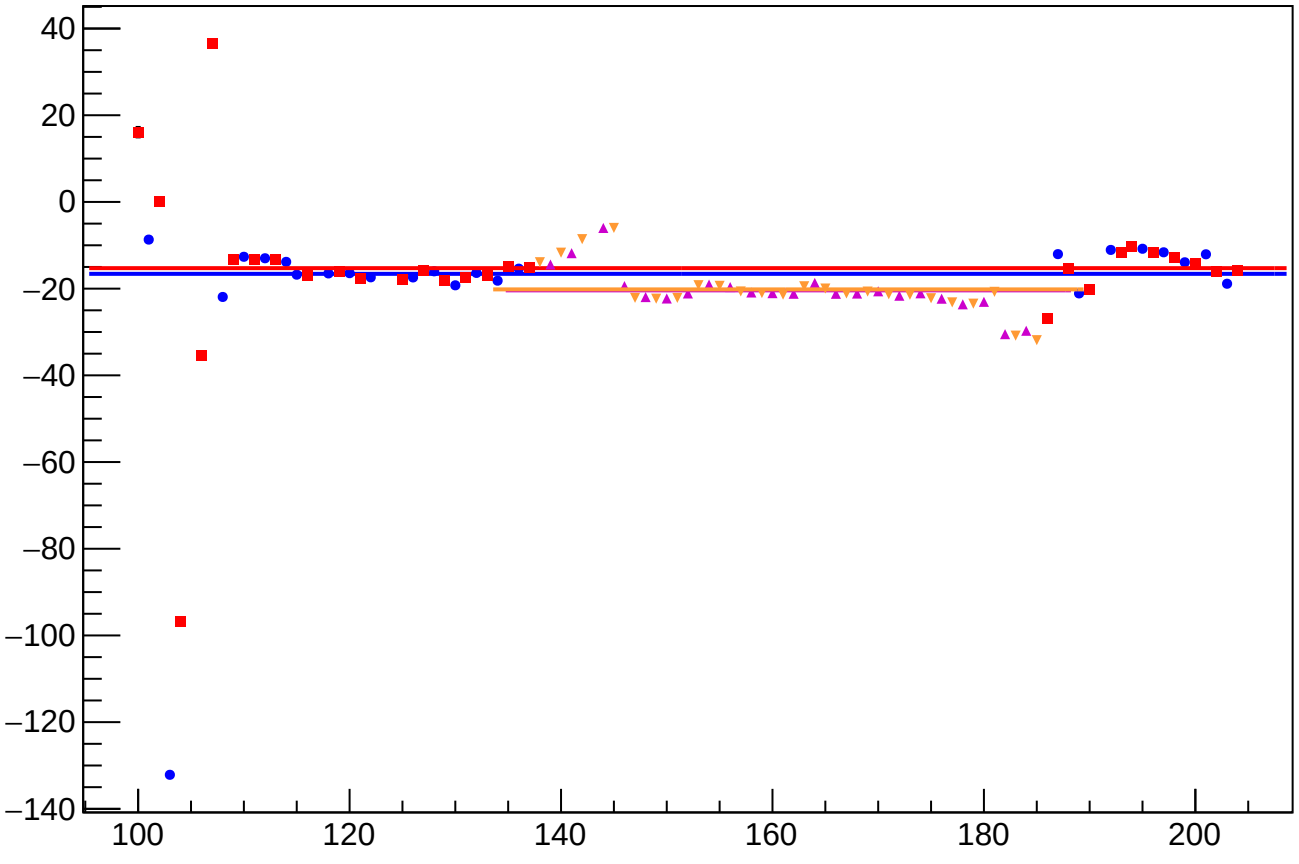
Right Out: 30.902+/-0.560 χ^2/NDF: 1170.1/27

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

+ sign 33.611+/-0.301 χ^2/NDF: 1237.5/47

All: 33.581+/-0.213 χ^2/NDF: 2815.2/98

- sign 33.551+/-0.301 χ^2/NDF: 1577.6/50



Right In: -16.585+/-0.028 χ^2/NDF: 268028.2/23

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.275+/-0.027 χ^2/NDF: 217366.5/27

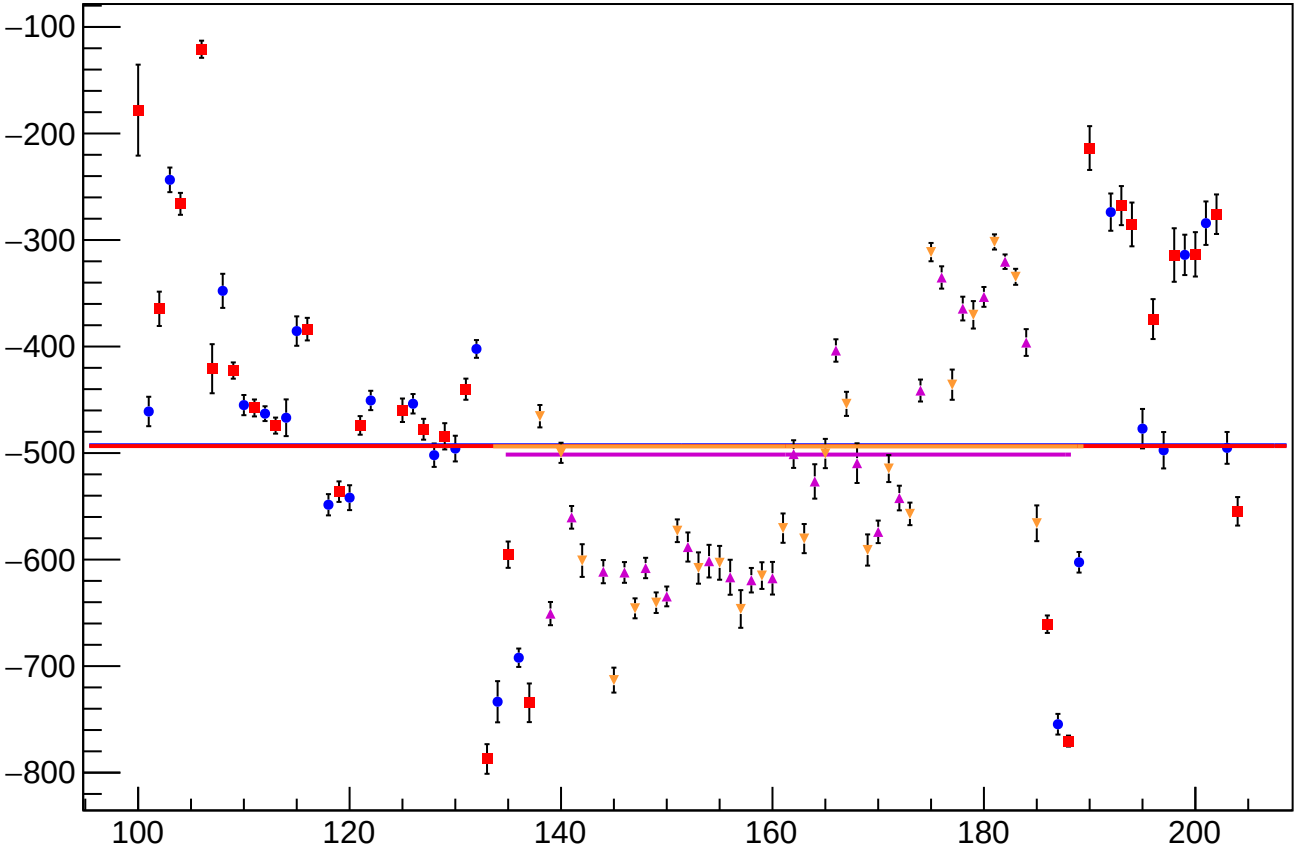
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.328+/-0.014 χ^2/NDF: 380177.9/47

All: -19.223+/-0.010 χ^2/NDF: 705037.2/98

- sign -19.121+/-0.014 χ^2/NDF: 324745.3/50

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -492.686+/-2.326 χ^2/NDF: 2753.1/23

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

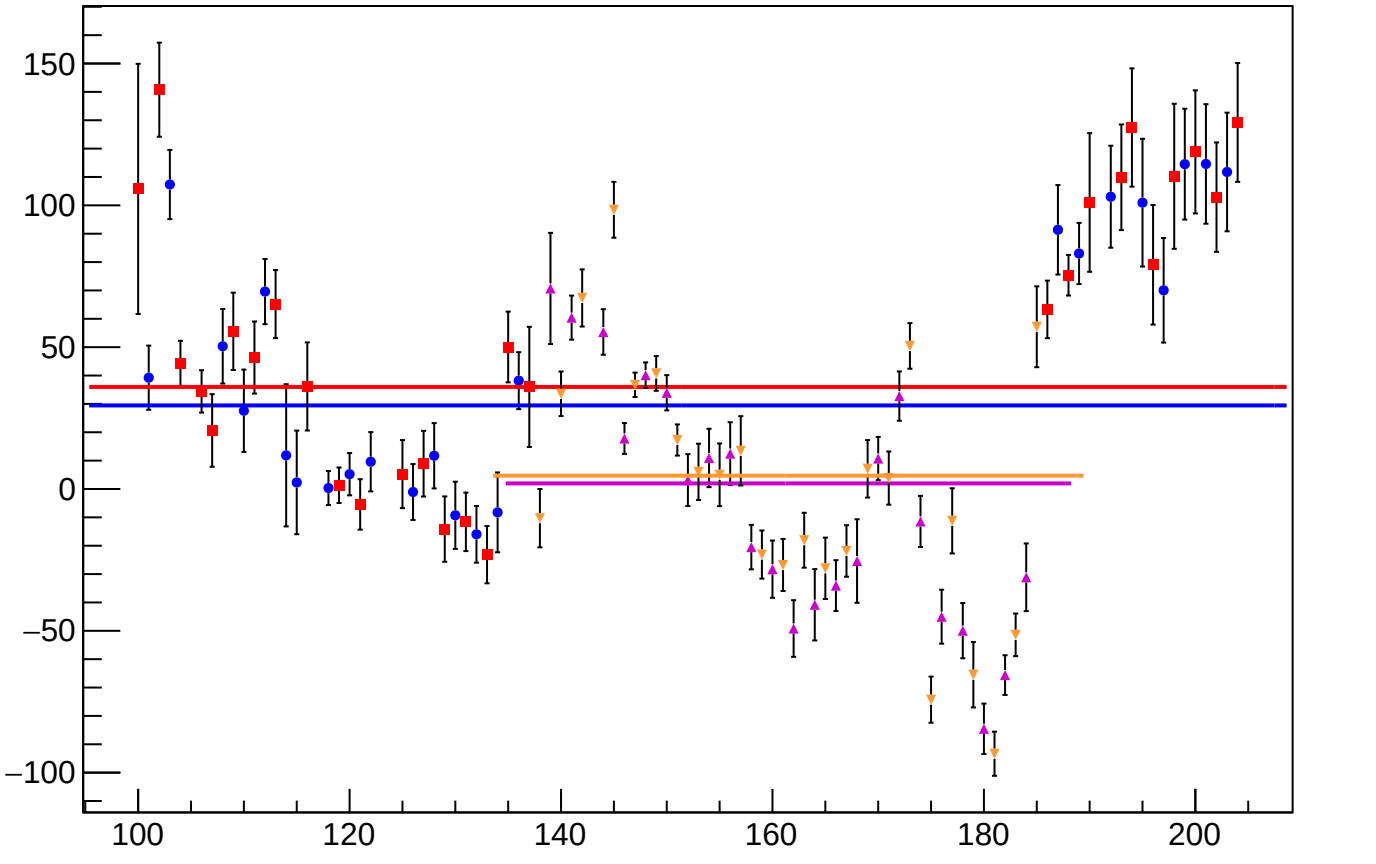
Right Out: -493.440+/-2.041 χ^2/NDF: 7791.1/27

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -493.211+/-1.634 χ^2/NDF: 5903.1/47

All: -495.203+/-1.116 χ^2/NDF: 16393.1/98

- sign -496.947+/-1.528 χ^2/NDF: 10487.2/50



Right In: 29.459+/-2.427 χ^2/NDF: 270.3/23

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

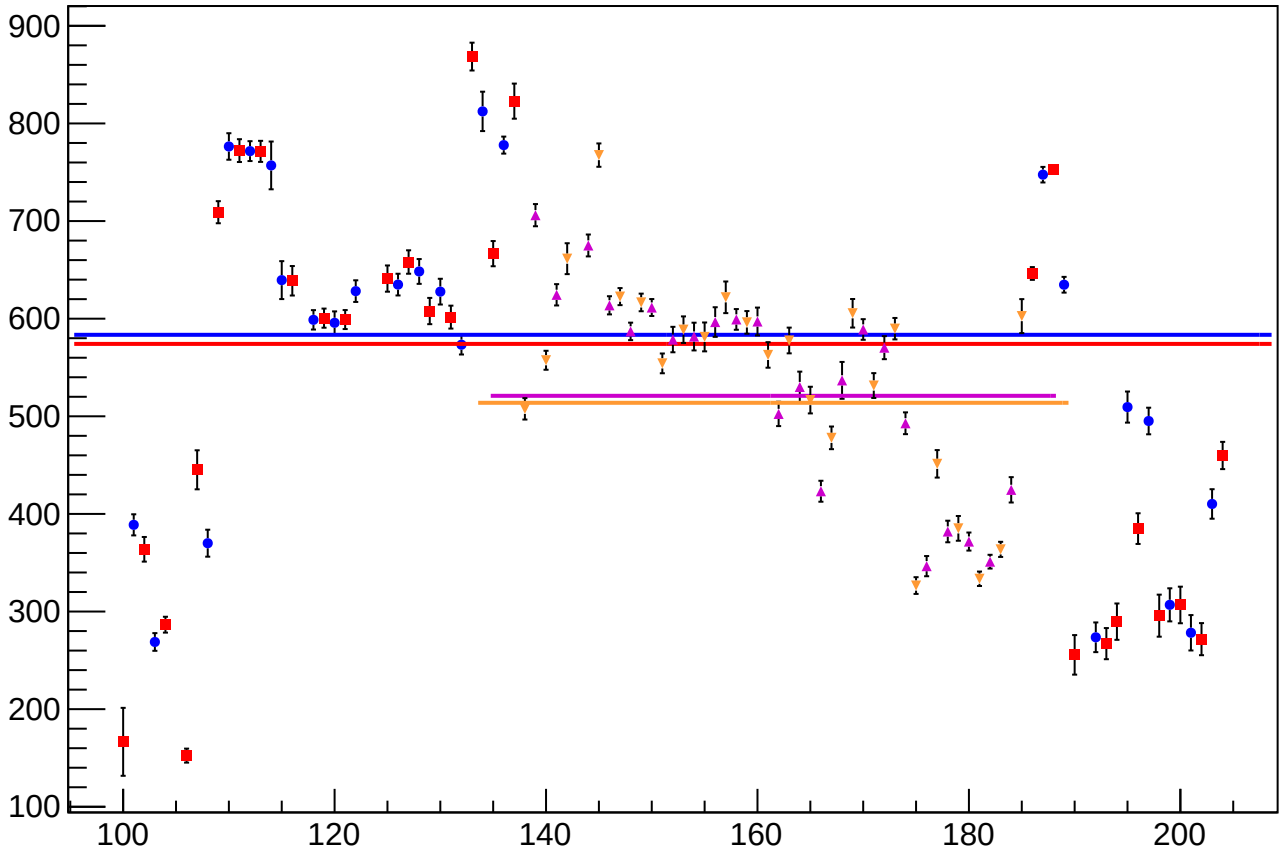
Right Out: 35.981+/-2.231 χ^2/NDF: 332.3/27

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

+ sign 12.825+/-1.390 χ^2/NDF: 1020.5/47

All: 13.765+/-0.973 χ^2/NDF: 2060.2/98

- sign 14.669+/-1.363 χ^2/NDF: 1038.8/50



Right In: 583.478+/-2.410 χ^2/NDF: 4699.7/23

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

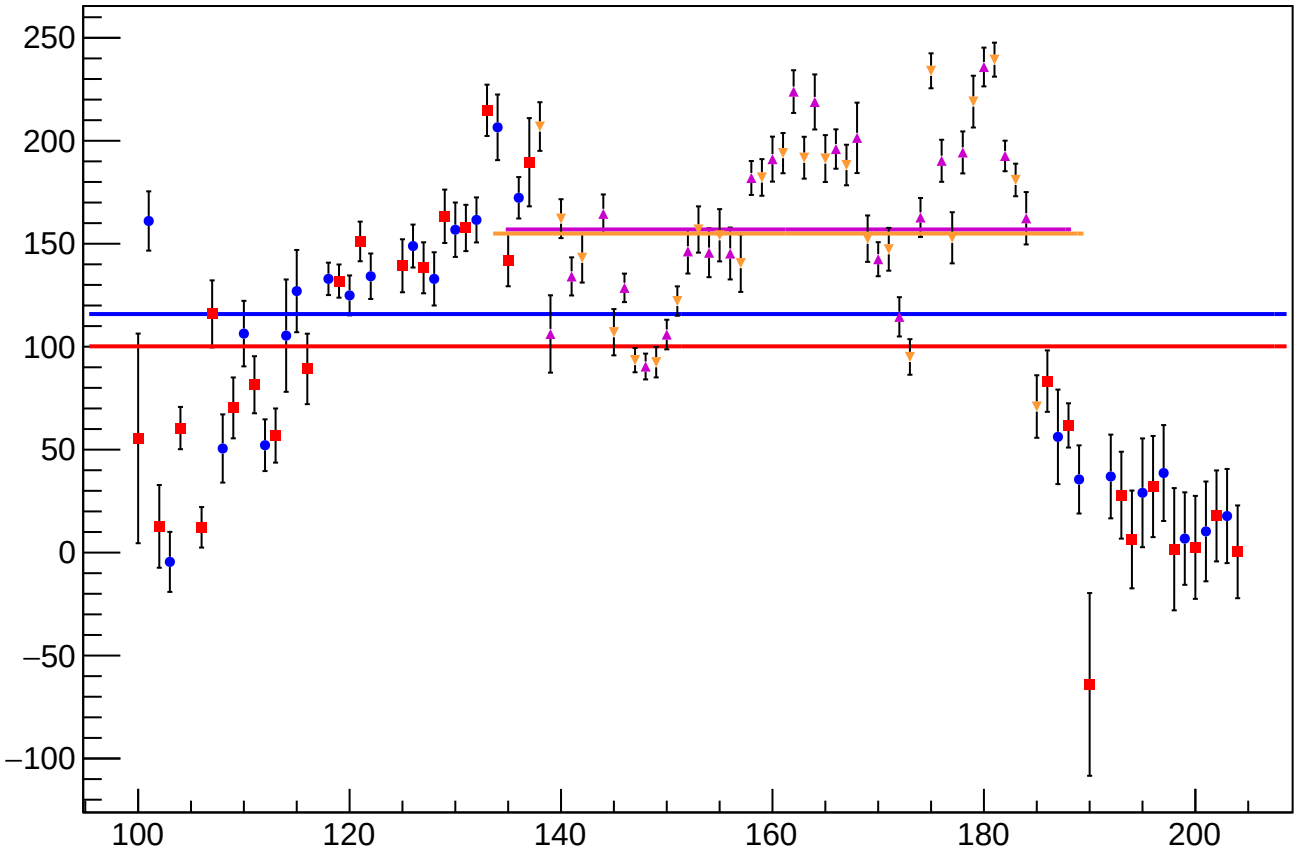
Right Out: 574.158+/-2.036 χ^2/NDF: 10470.1/27

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 546.677+/-1.655 χ^2/NDF: 7876.5/47

All: 548.810+/-1.119 χ^2/NDF: 21094.5/98

- sign 550.609+/-1.520 χ^2/NDF: 13215.0/50



Right In: 115.850+/-2.861 χ^2/NDF: 359.2/23

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

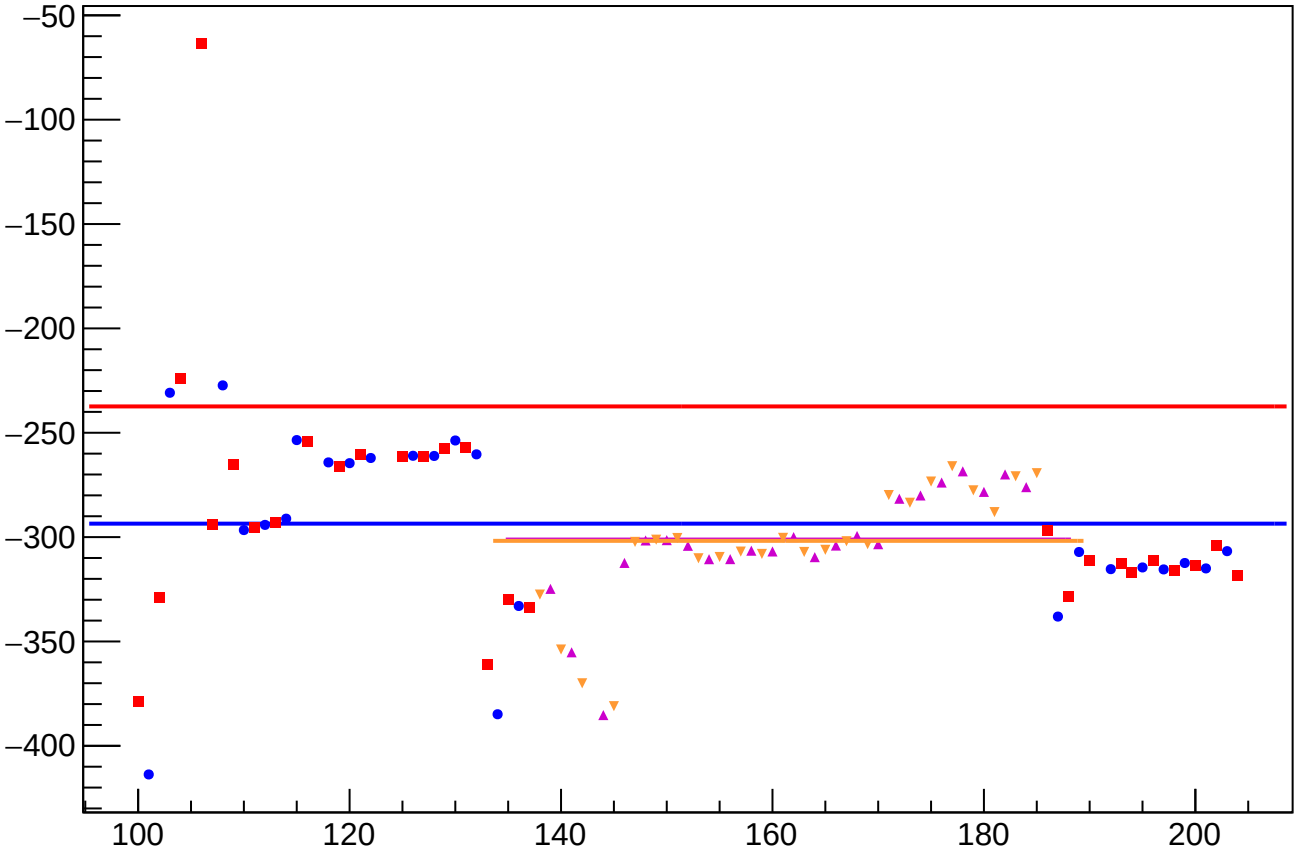
Right Out: 100.173+/-2.682 χ^2/NDF: 480.2/27

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

\+ sign 142.514+/-1.613 χ^2/NDF: 1095.6/47

All: 139.730+/-1.132 χ^2/NDF: 2315.6/98

\- sign 137.030+/-1.588 χ^2/NDF: 1214.2/50



Right In: -293.549+/-0.148 χ^2/NDF: 112986.1/23

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -237.385+/-0.127 χ^2/NDF: 679762.9/27

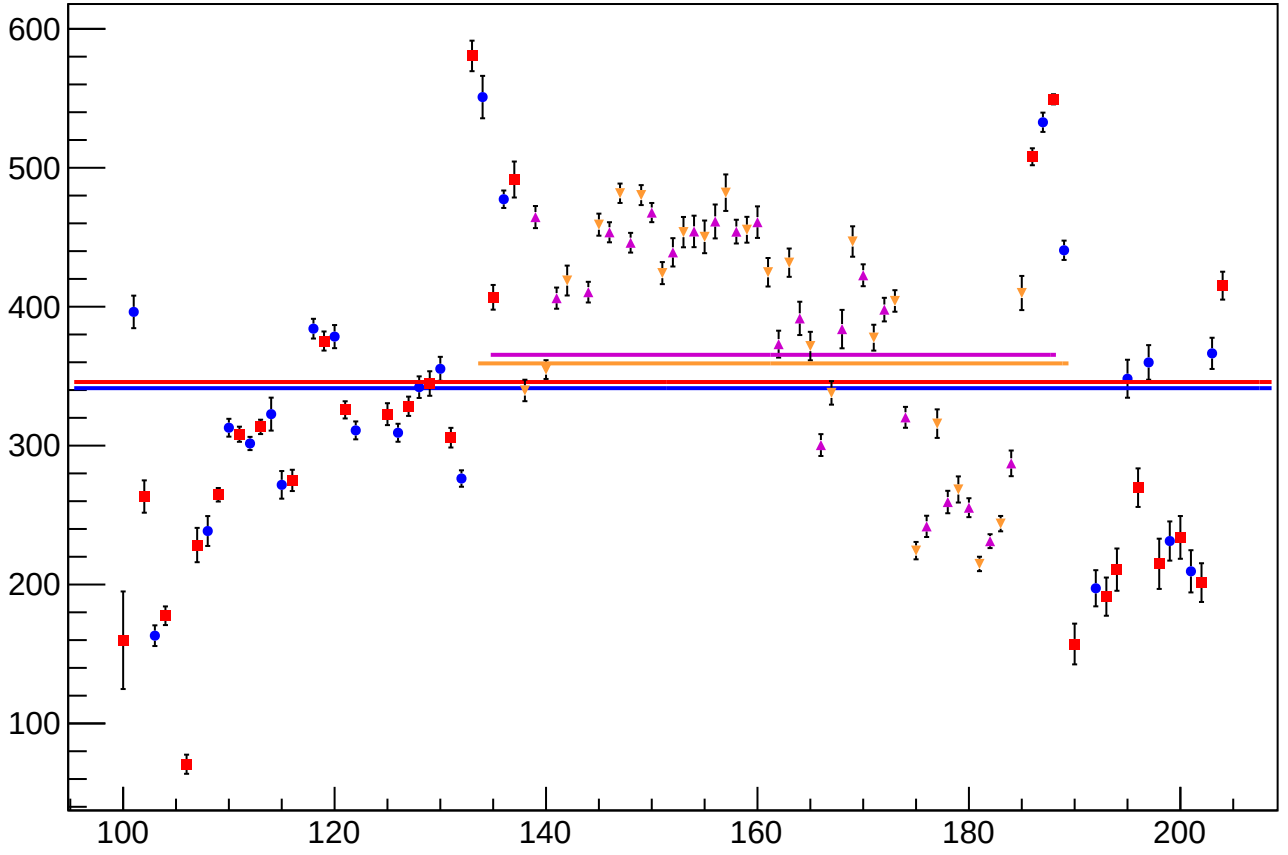
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -299.540+/-0.077 χ^2/NDF: 201949.6/47

All: -289.107+/-0.053 χ^2/NDF: 1160203.1/98

- sign -279.743+/-0.073 χ^2/NDF: 923803.7/50

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 341.352+/-1.652 χ^2/NDF: 2941.6/23

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

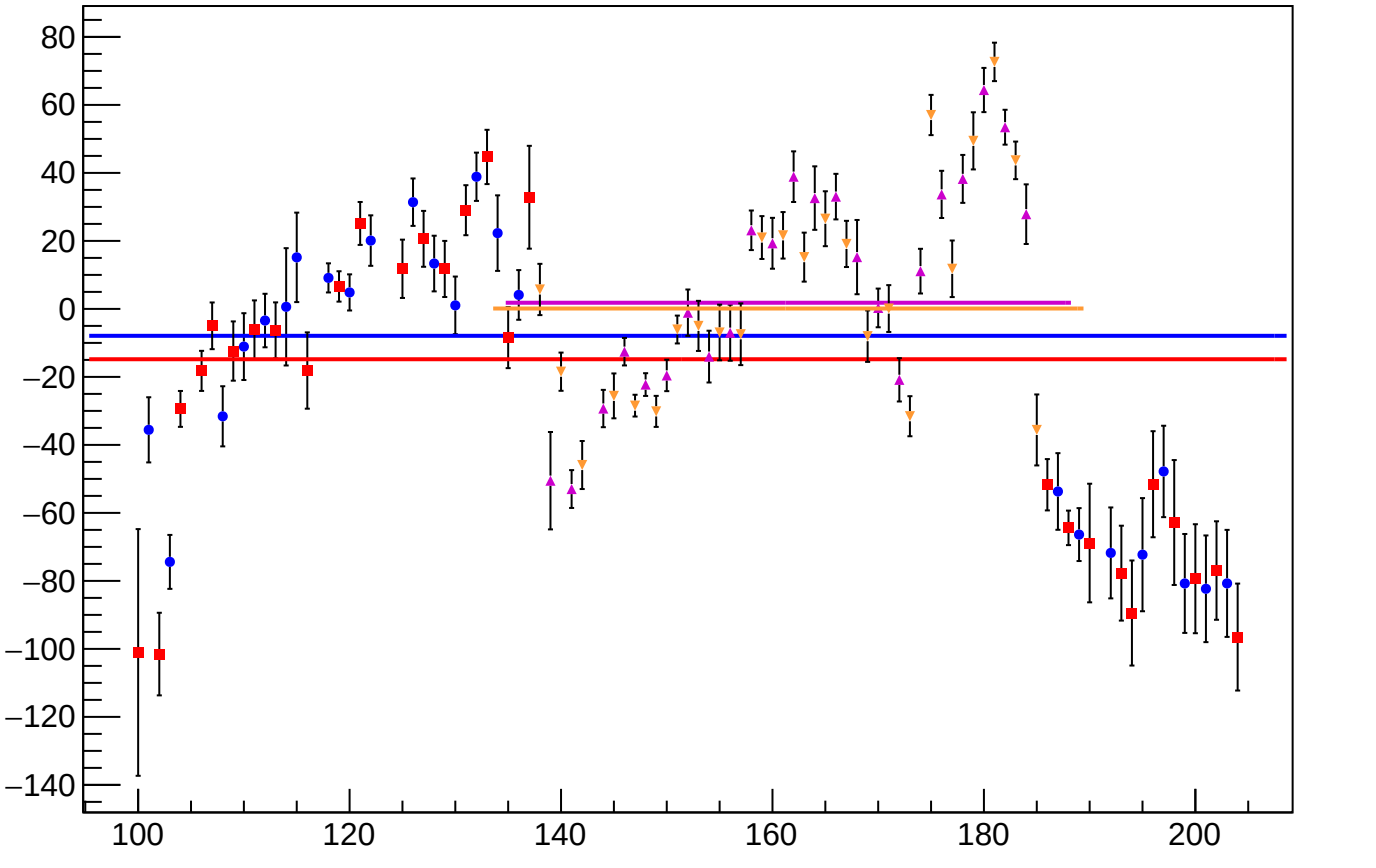
Right Out: 345.789+/-1.449 χ^2/NDF: 8026.0/27

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 350.112+/-1.178 χ^2/NDF: 6186.8/47

All: 352.226+/-0.804 χ^2/NDF: 17035.5/98

- sign 354.070+/-1.101 χ^2/NDF: 10842.6/50



Right In: -7.915+/-1.737 χ^2/NDF: 406.9/23

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

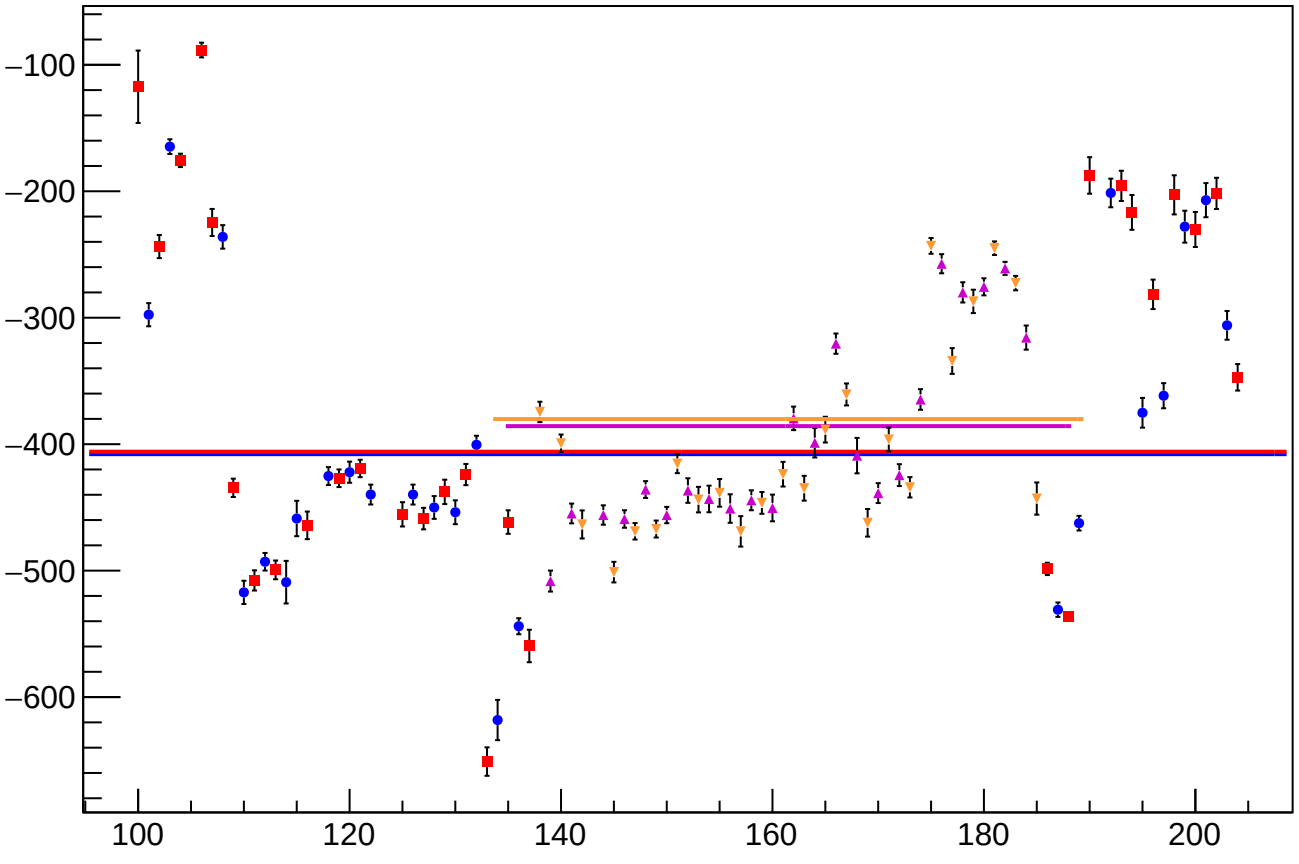
Right Out: -14.806+/-1.580 χ^2/NDF: 518.6/27

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

\+ sign -2.615+/-1.013 χ^2/NDF: 1059.0/47

All: -3.678+/-0.707 χ^2/NDF: 2224.1/98

\- sign -4.690+/-0.988 χ^2/NDF: 1163.0/50



Right In: -407.889+/-1.721 χ^2/NDF: 4702.7/23

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

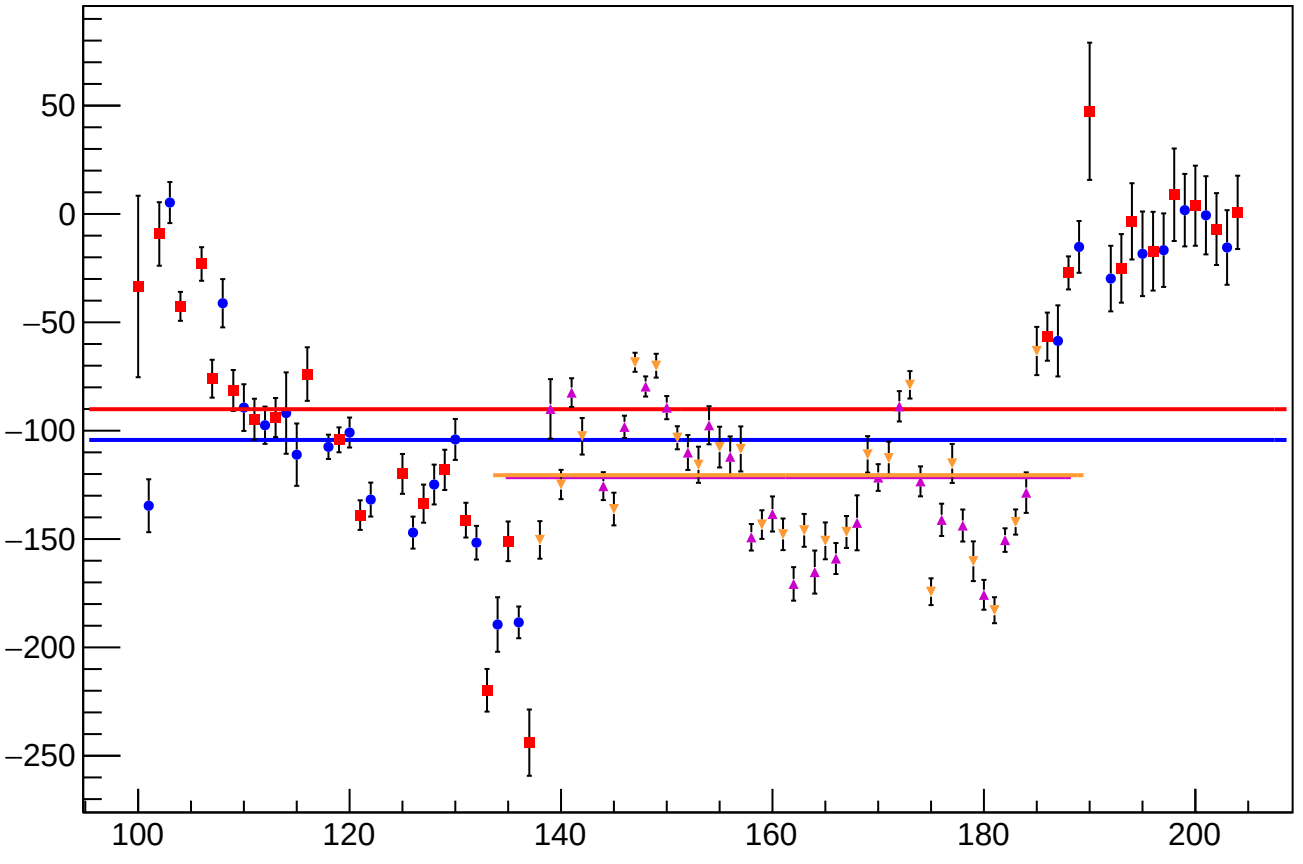
Right Out: -405.940+/-1.454 χ^2/NDF: 10504.6/27

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

\+ sign -393.599+/-1.198 χ^2/NDF: 7455.2/47

All: -395.592+/-0.810 χ^2/NDF: 20409.1/98

\- sign -397.266+/-1.098 χ^2/NDF: 12948.8/50



Right In: -104.275+/-2.046 χ^2/NDF: 675.0/23

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

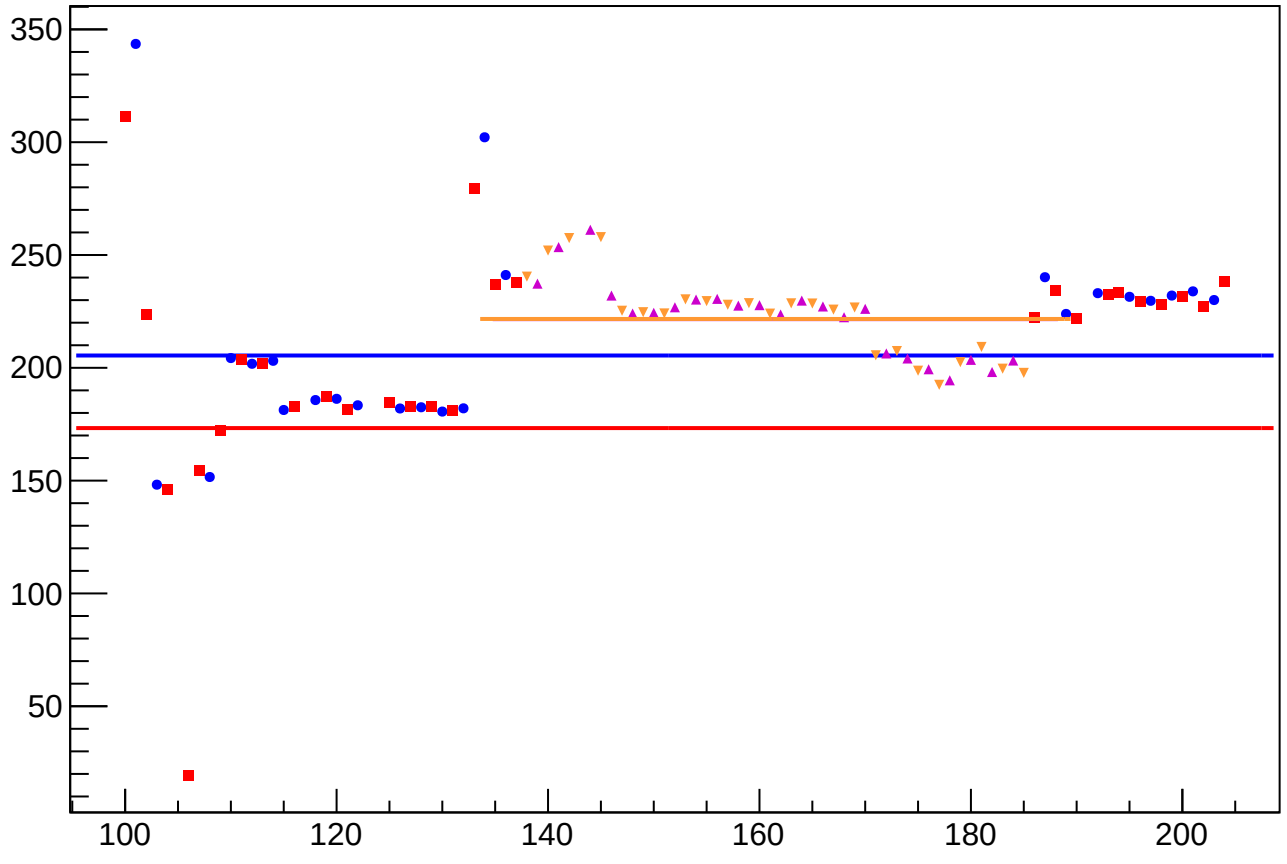
Right Out: -90.082+/-1.898 χ^2/NDF: 878.9/27

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -115.177+/-1.175 χ^2/NDF: 1328.9/47

All: -112.484+/-0.823 χ^2/NDF: 2823.3/98

- sign -109.895+/-1.152 χ^2/NDF: 1484.1/50



Right In: 205.454+/-0.106 χ^2/NDF: 200697.4/23

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

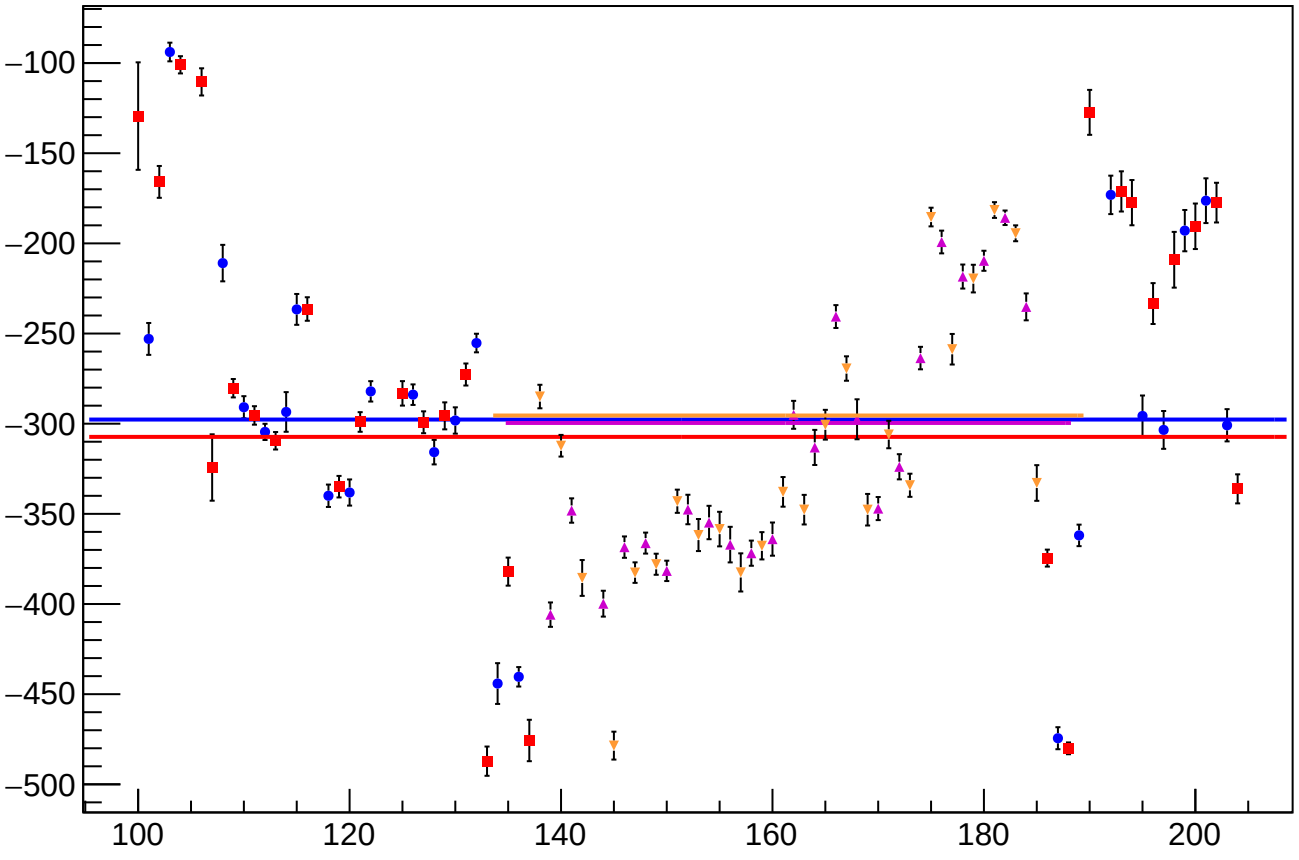
Right Out: 173.287+/-0.094 χ^2/NDF: 647247.7/27

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 217.040+/-0.056 χ^2/NDF: 284710.9/47

All: 211.002+/-0.039 χ^2/NDF: 1193609.0/98

- sign 205.456+/-0.054 χ^2/NDF: 886900.1/50



Right In: -297.700+/-1.425 χ^2/NDF: 4006.9/23

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -307.315+/-1.274 χ^2/NDF: 7626.3/27

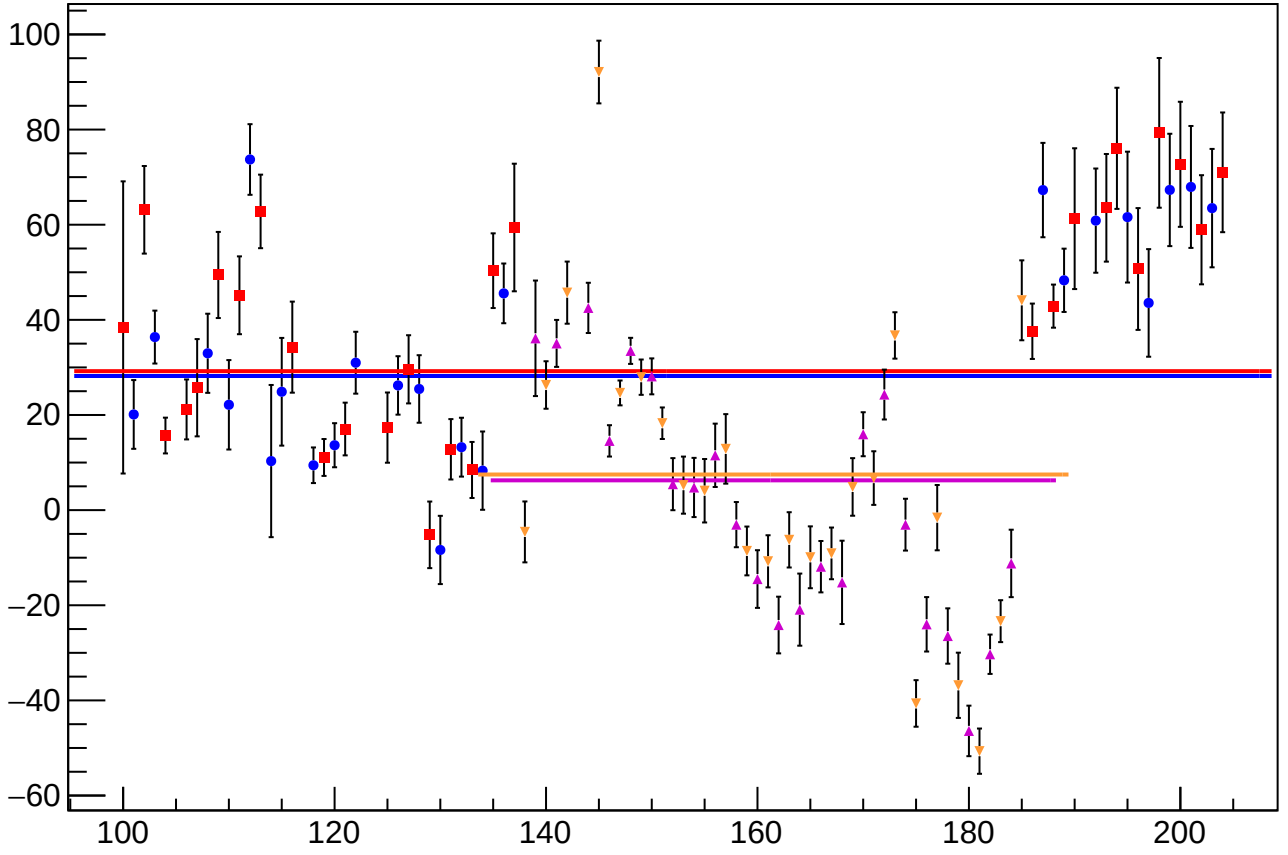
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -296.557+/-0.996 χ^2/NDF: 7354.5/47

All: -300.387+/-0.684 χ^2/NDF: 17997.2/98

- sign -303.807+/-0.941 χ^2/NDF: 10614.7/50

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 28.195+/-1.483 χ^2/NDF: 193.7/23

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

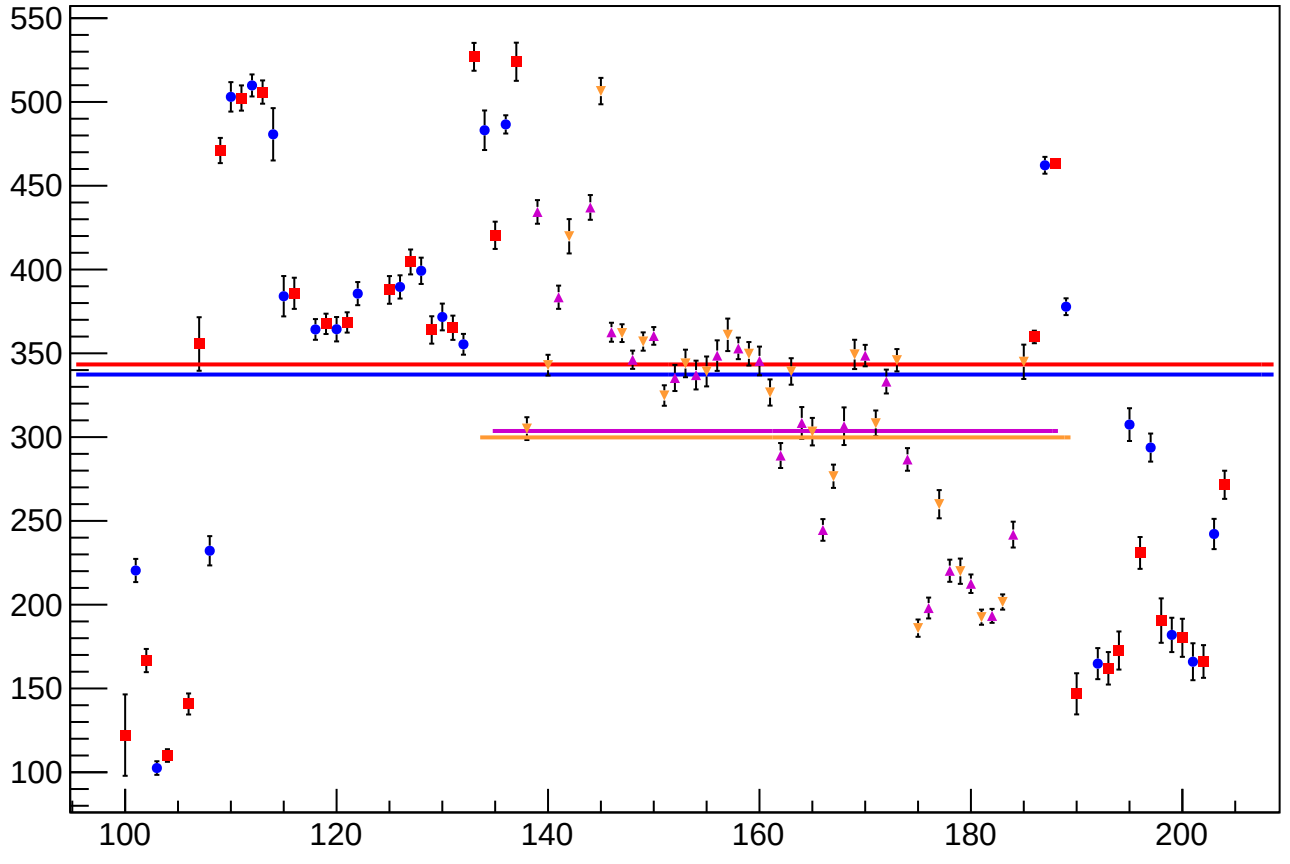
Right Out: 29.213+/-1.370 χ^2/NDF: 221.4/27

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

+ sign 14.219+/-0.846 χ^2/NDF: 1063.8/47

All: 14.463+/-0.593 χ^2/NDF: 2022.2/98

- sign 14.698+/-0.831 χ^2/NDF: 958.3/50



Right In: 337.338+/-1.454 χ^2/NDF: 7694.1/23

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 343.364+/-1.252 χ^2/NDF: 11692.1/27

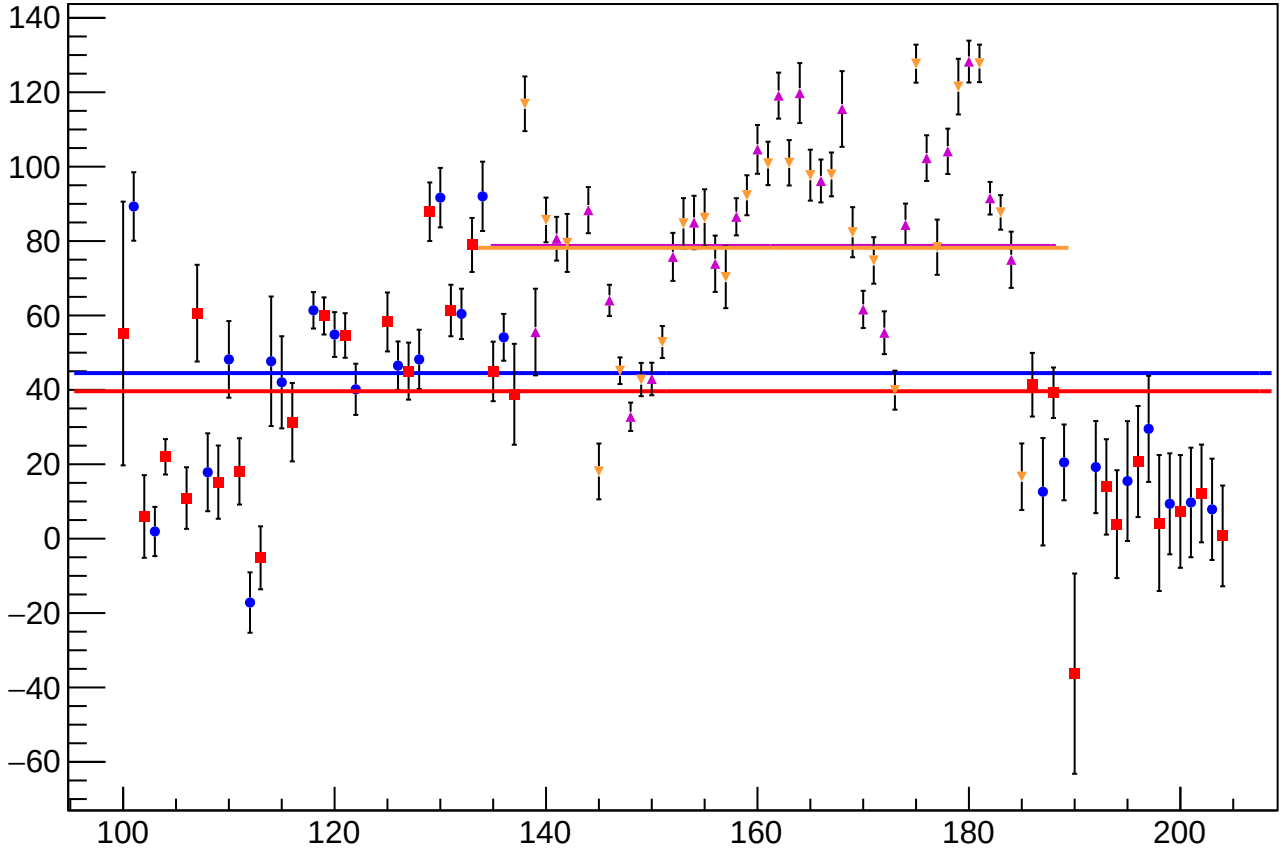
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 317.620+/-1.001 χ^2/NDF: 11120.2/47

All: 321.839+/-0.681 χ^2/NDF: 26171.1/98

- sign 325.466+/-0.928 χ^2/NDF: 15017.8/50

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 44.509+/-1.748 χ^2/NDF: 252.2/23

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

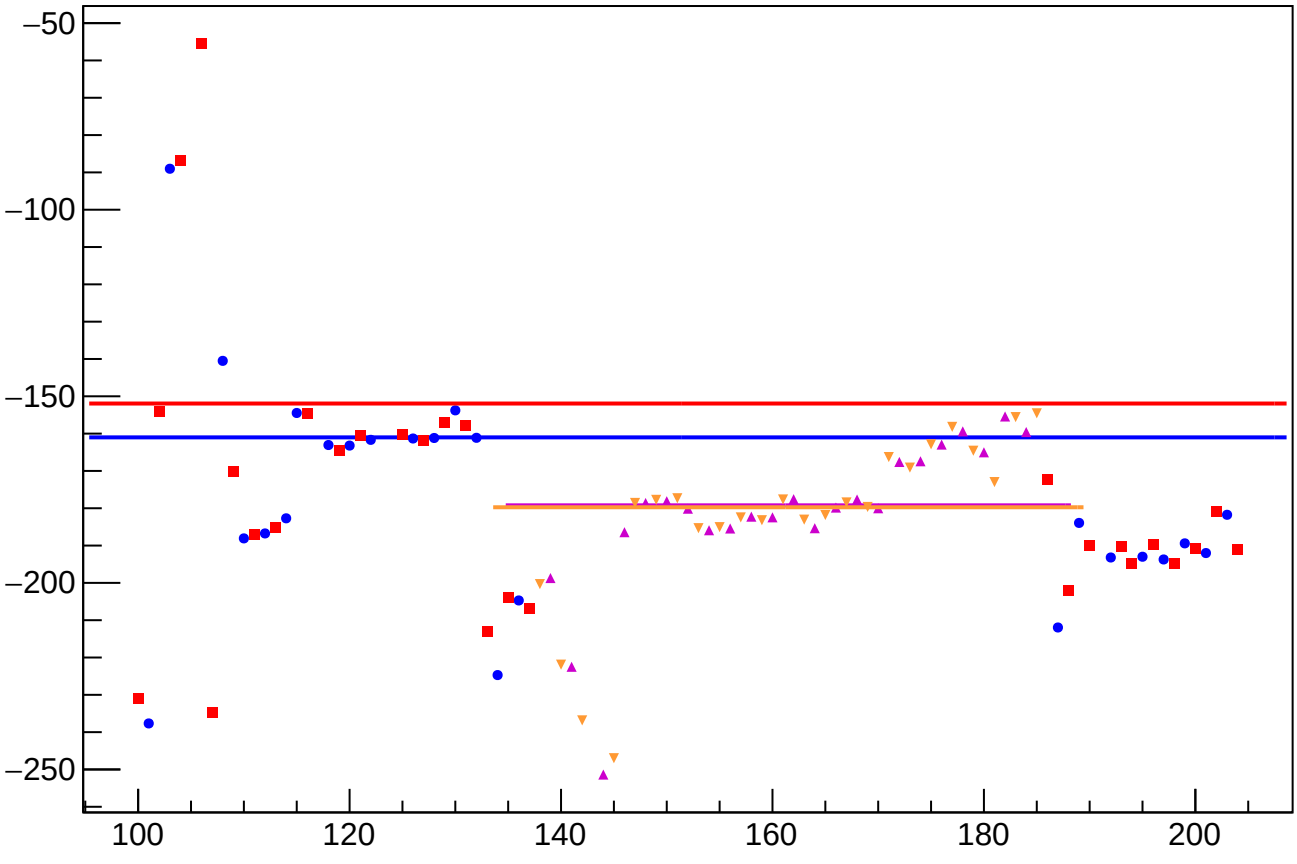
Right Out: 39.630+/-1.648 χ^2/NDF: 224.8/27

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 67.583+/-0.981 χ^2/NDF: 1169.9/47

All: 66.393+/-0.689 χ^2/NDF: 2254.3/98

- sign 65.235+/-0.967 χ^2/NDF: 1081.5/50



Right In: -161.007+/-0.086 χ^2/NDF: 303496.0/23

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

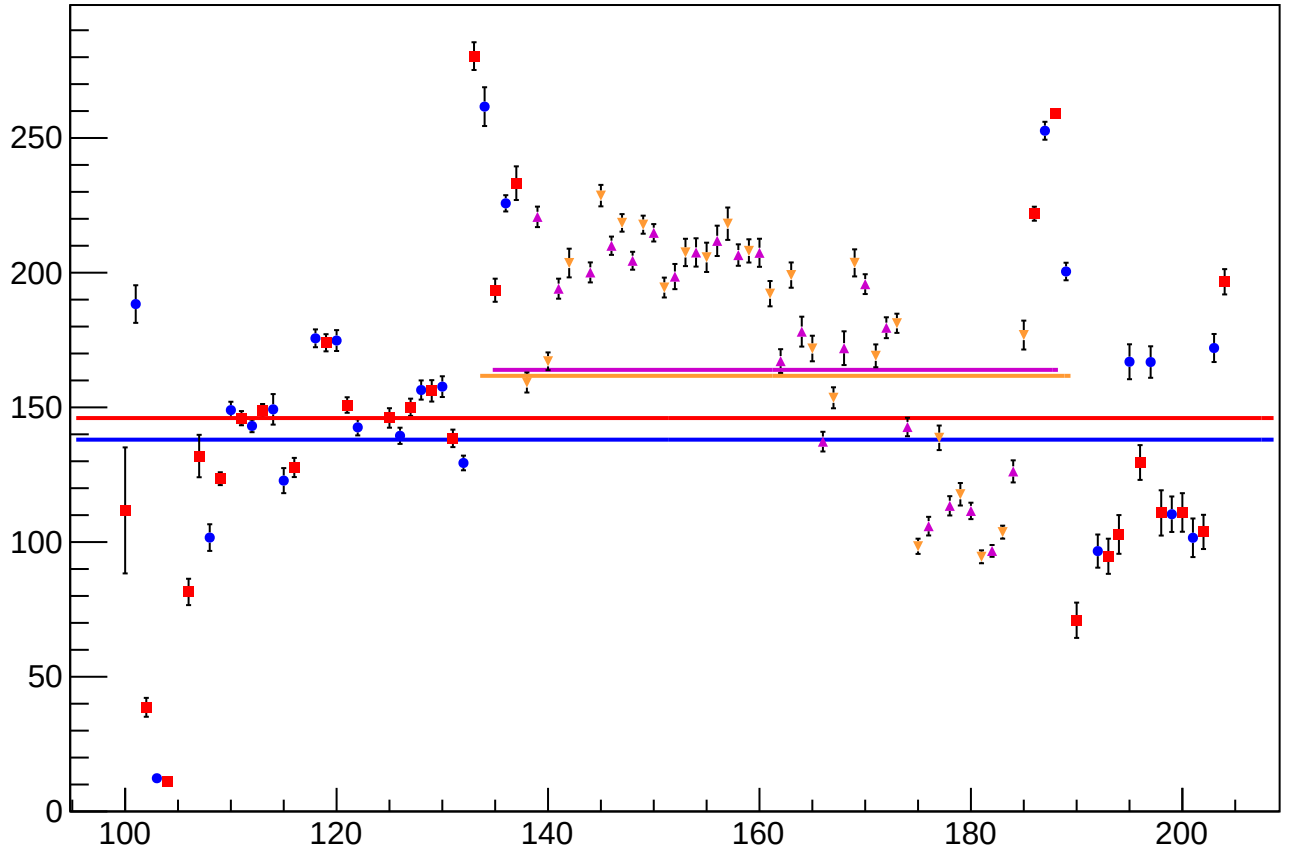
Right Out: -151.937+/-0.081 χ^2/NDF: 418114.4/27

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -174.284+/-0.046 χ^2/NDF: 469468.2/47

All: -172.437+/-0.032 χ^2/NDF: 1082625.8/98

- sign -170.678+/-0.045 χ^2/NDF: 610049.8/50



Right In: 138.016+/-0.732 χ^2/NDF: 8076.9/23

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

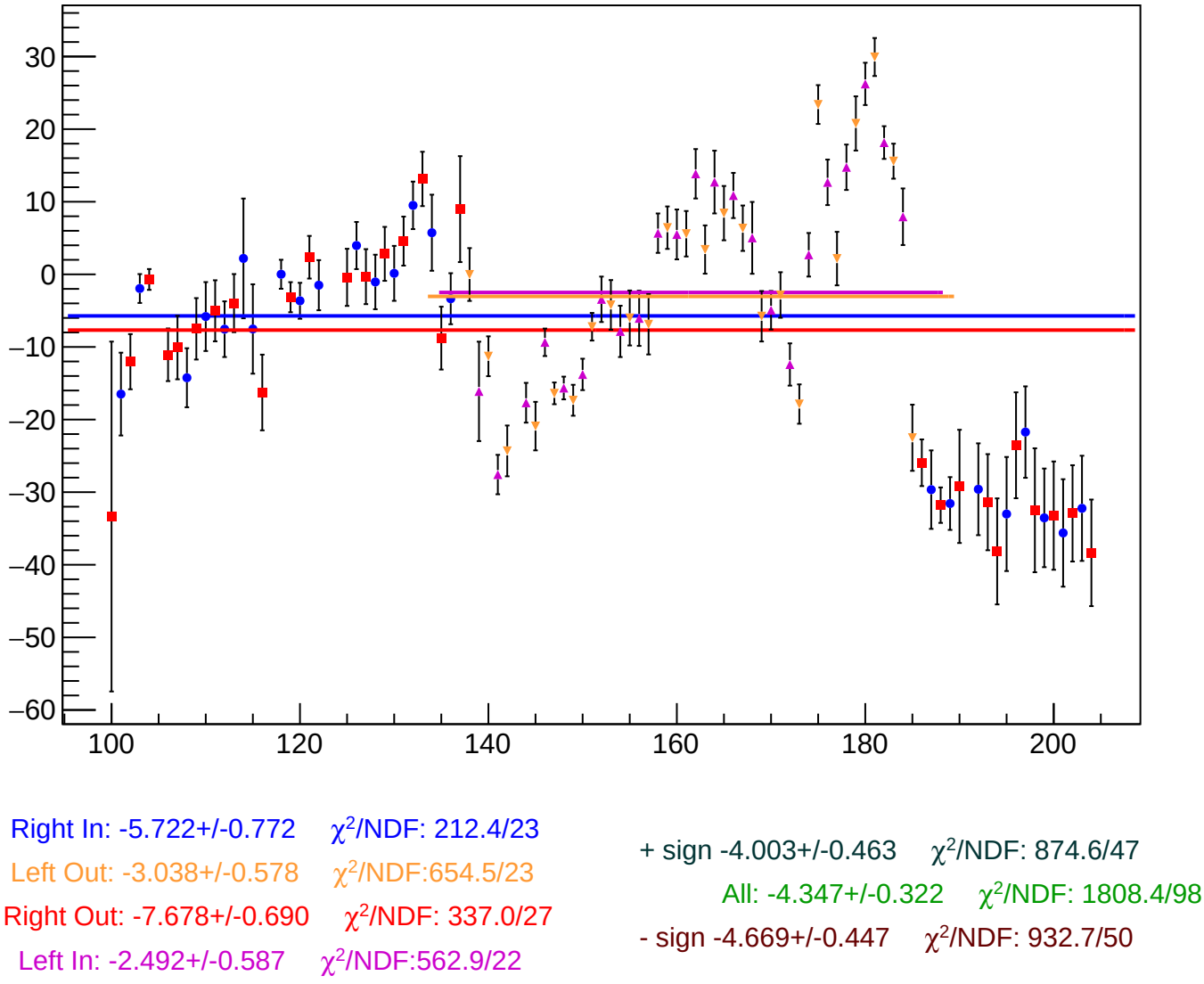
Right Out: 146.035+/-0.655 χ^2/NDF: 13214.0/27

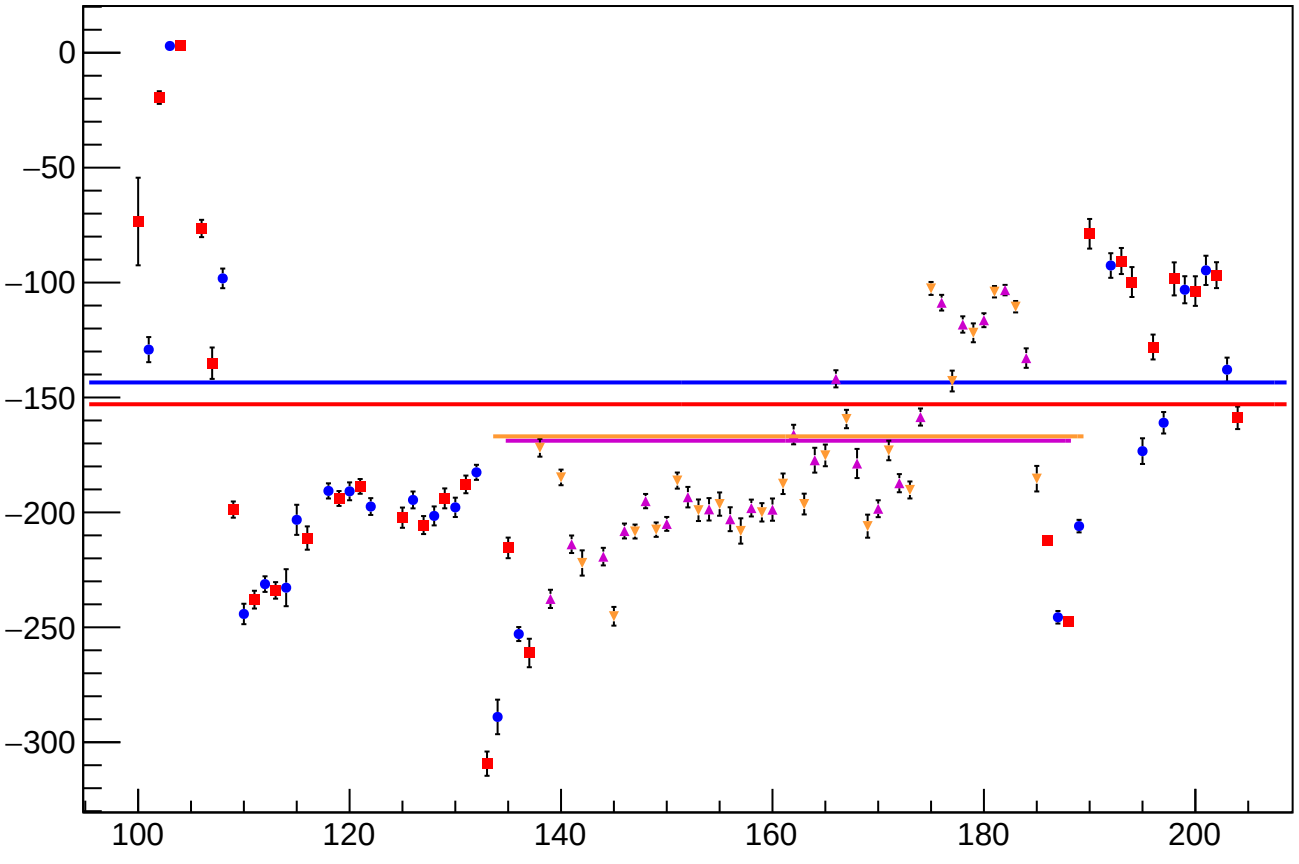
Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 149.173+/-0.533 χ^2/NDF: 12157.1/47

All: 151.435+/-0.365 χ^2/NDF: 29049.7/98

- sign 153.439+/-0.501 χ^2/NDF: 16858.5/50


reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
−30
−40
−50
−60
100
120
140
160
180
200
Right In: -5.722+/-0.772 χ²/NDF: 212.4/23
Left Out: -3.038+/-0.578 χ²/NDF:654.5/23
Right Out: -7.678+/-0.690 χ²/NDF: 337.0/27
Left In: -2.492+/-0.587 χ²/NDF:562.9/22
+ sign -4.003+/-0.463 χ²/NDF: 874.6/47
All: -4.347+/-0.322 χ²/NDF: 1808.4/98
- sign -4.669+/-0.447 χ²/NDF: 932.7/50



Right In: -143.461+/-0.732 χ^2/NDF: 17123.0/23

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

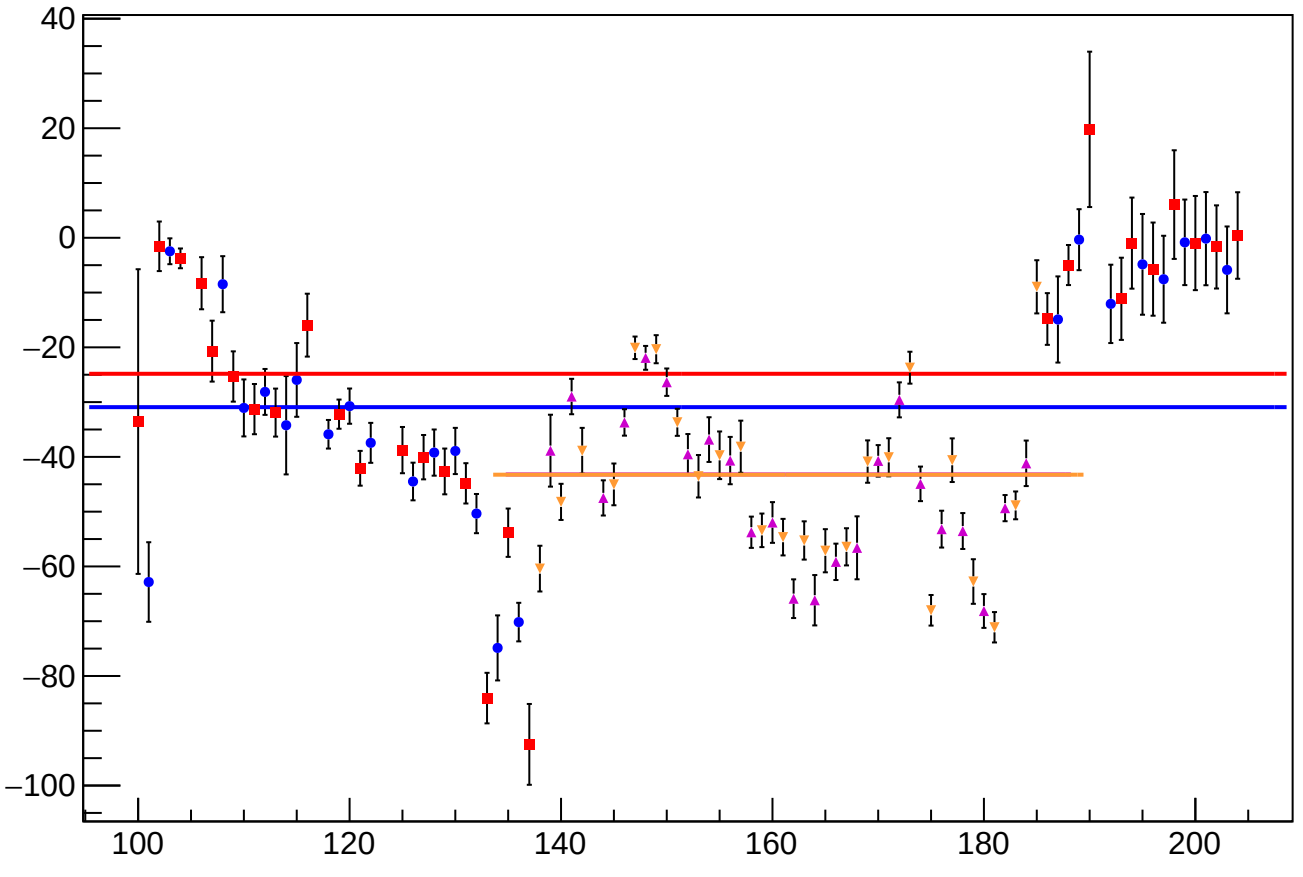
Right Out: -152.947+/-0.636 χ^2/NDF: 23747.8/27

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -154.580+/-0.531 χ^2/NDF: 20705.9/47

All: -157.152+/-0.360 χ^2/NDF: 47808.2/98

- sign -159.352+/-0.491 χ^2/NDF: 27058.8/50



Right In: -30.920+/-0.909 χ^2/NDF: 519.4/23

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

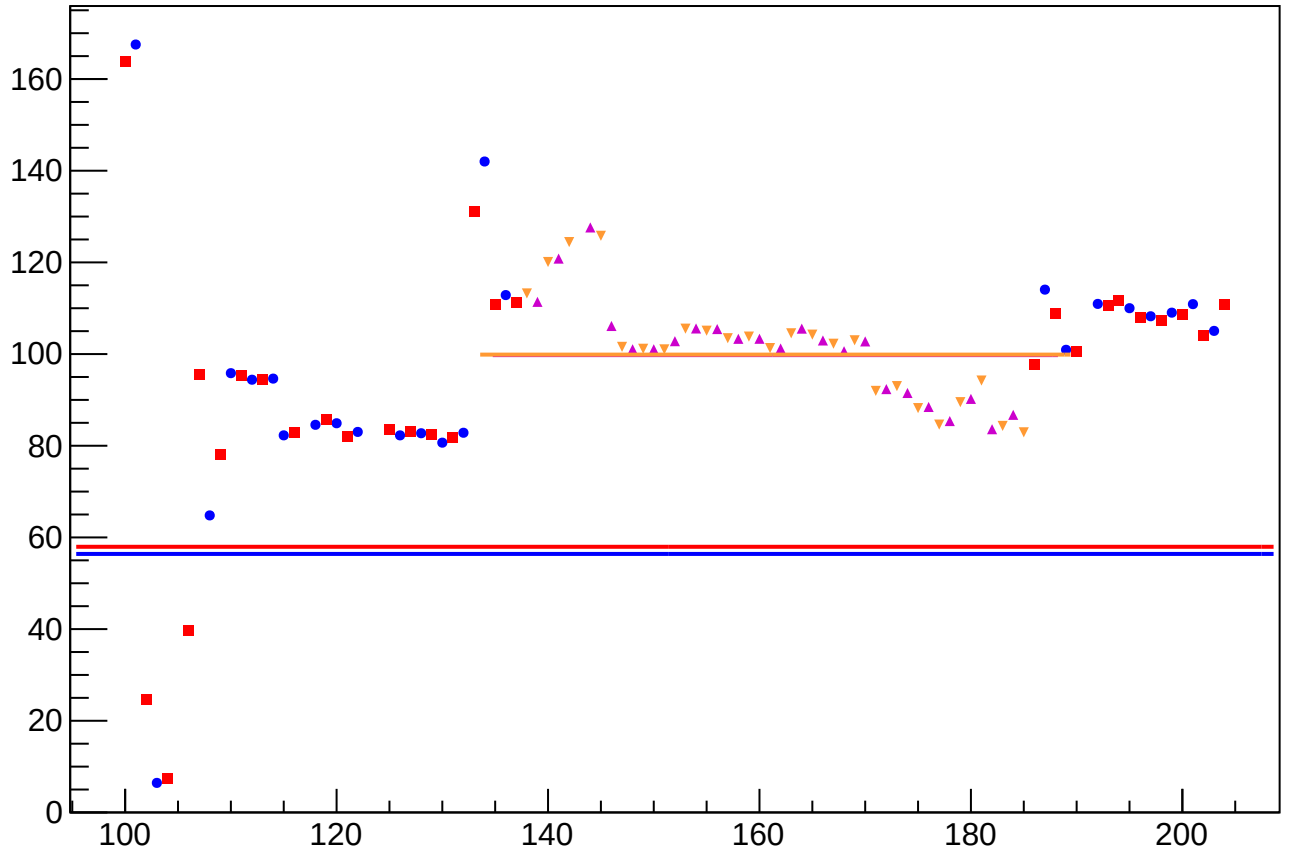
Right Out: -24.828+/-0.832 χ^2/NDF: 681.7/27

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

\+ sign -38.962+/-0.536 χ^2/NDF: 1249.5/47

All: -37.431+/-0.374 χ^2/NDF: 2648.7/98

\- sign -35.980+/-0.522 χ^2/NDF: 1383.4/50



Right In: 56.399+/-0.040 χ^2/NDF: 1471332.1/23

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 57.958+/-0.039 χ^2/NDF: 1282732.1/27

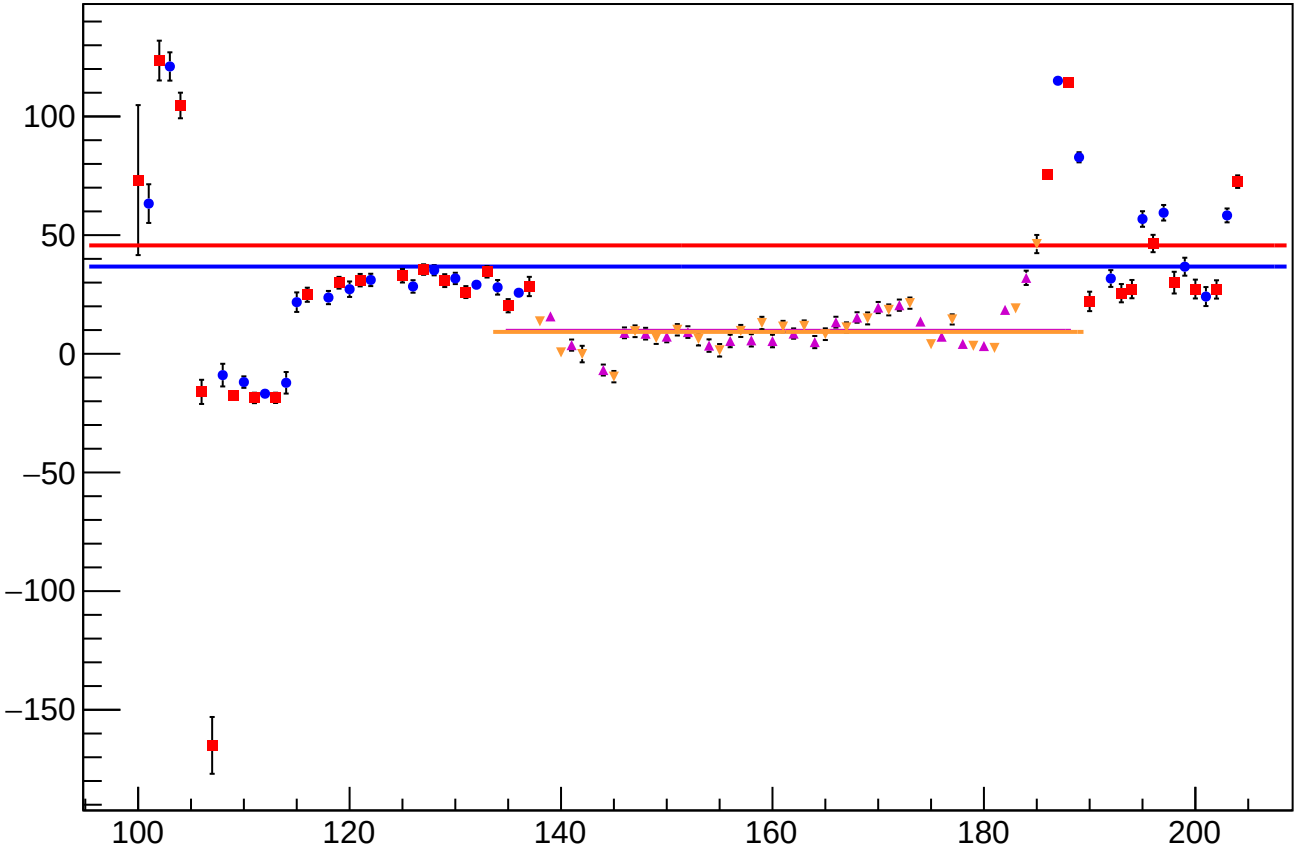
Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 83.954+/-0.024 χ^2/NDF: 2326529.2/47

All: 84.036+/-0.017 χ^2/NDF: 4423874.4/98

- sign 84.117+/-0.024 χ^2/NDF: 2097322.5/50

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 36.757+/-0.567 χ^2/NDF: 3805.6/23

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

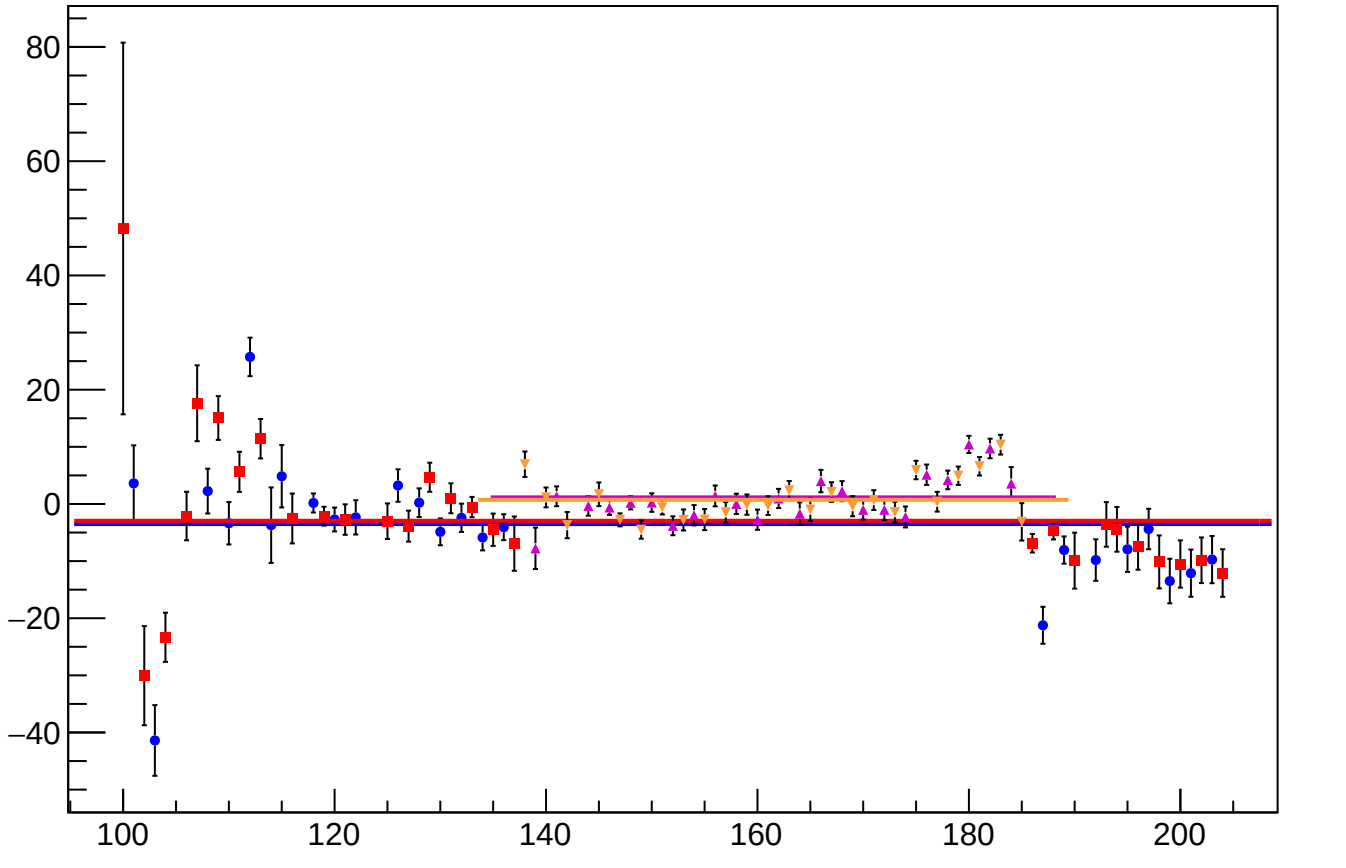
Right Out: 45.669+/-0.497 χ^2/NDF: 7938.1/27

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

+ sign 20.044+/-0.356 χ^2/NDF: 5562.3/47

All: 23.366+/-0.245 χ^2/NDF: 16725.0/98

- sign 26.376+/-0.339 χ^2/NDF: 10996.4/50



Right In: -3.517+/-0.606 χ^2/NDF: 184.4/23

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

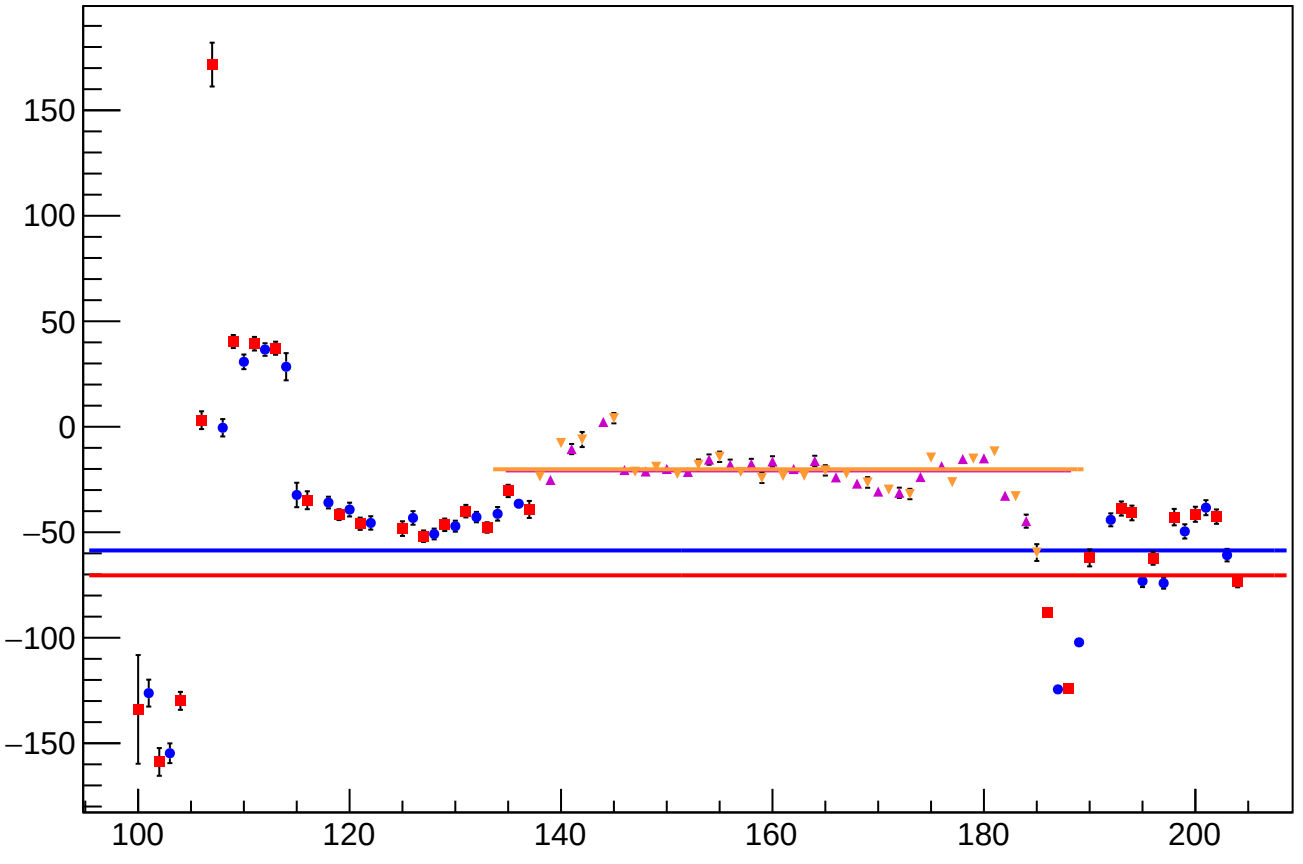
Right Out: -2.939+/-0.560 χ^2/NDF: 127.9/27

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

+ sign -0.329+/-0.303 χ^2/NDF: 330.9/47

All: -0.178+/-0.214 χ^2/NDF: 607.7/98

- sign -0.029+/-0.301 χ^2/NDF: 276.3/50



Right In: -58.625+/-0.581 χ^2/NDF: 5343.6/23

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -70.425+/-0.482 χ^2/NDF: 9645.2/27

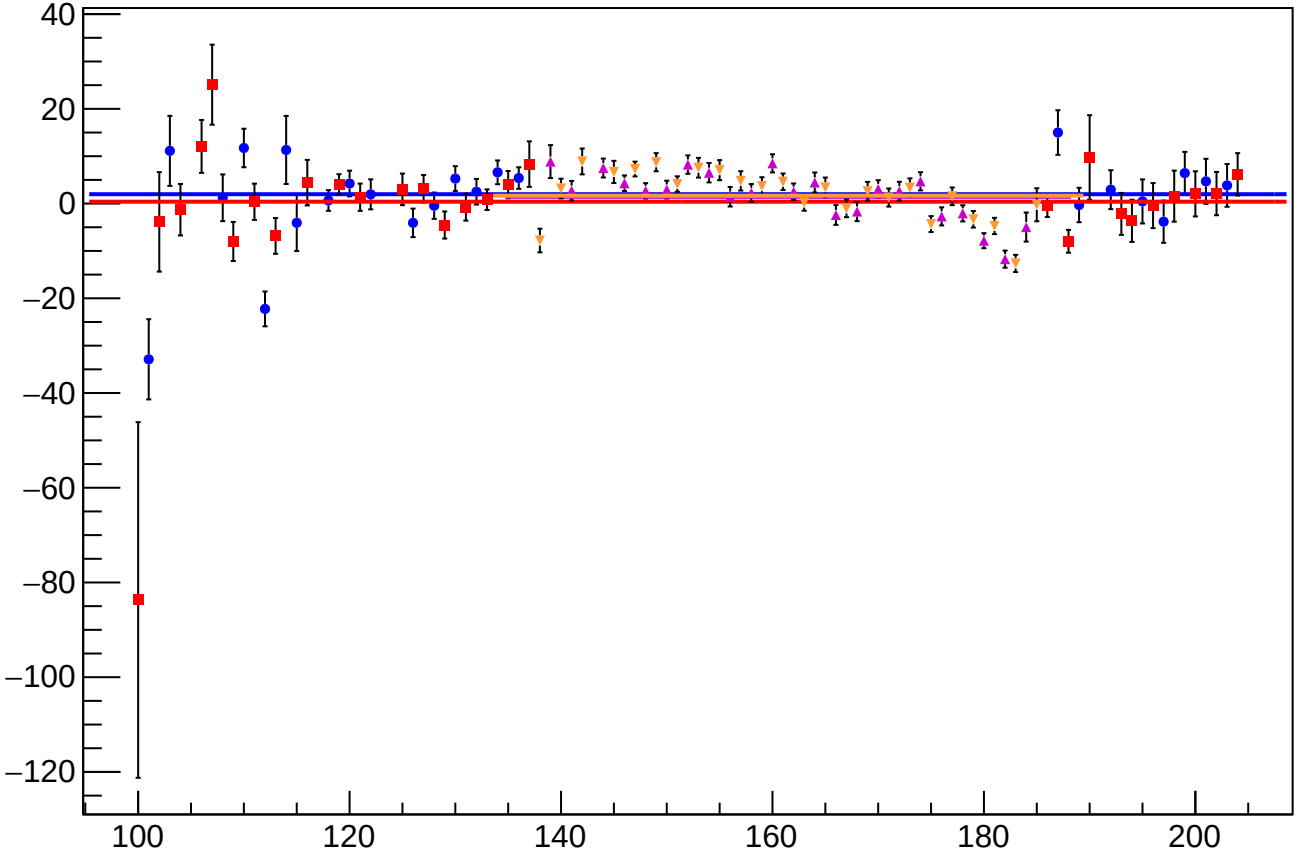
Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -34.684+/-0.357 χ^2/NDF: 8495.5/47

All: -39.814+/-0.243 χ^2/NDF: 24434.7/98

\- sign -44.252+/-0.332 χ^2/NDF: 15553.9/50

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 1.976+/-0.708 χ^2/NDF: 94.9/23

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

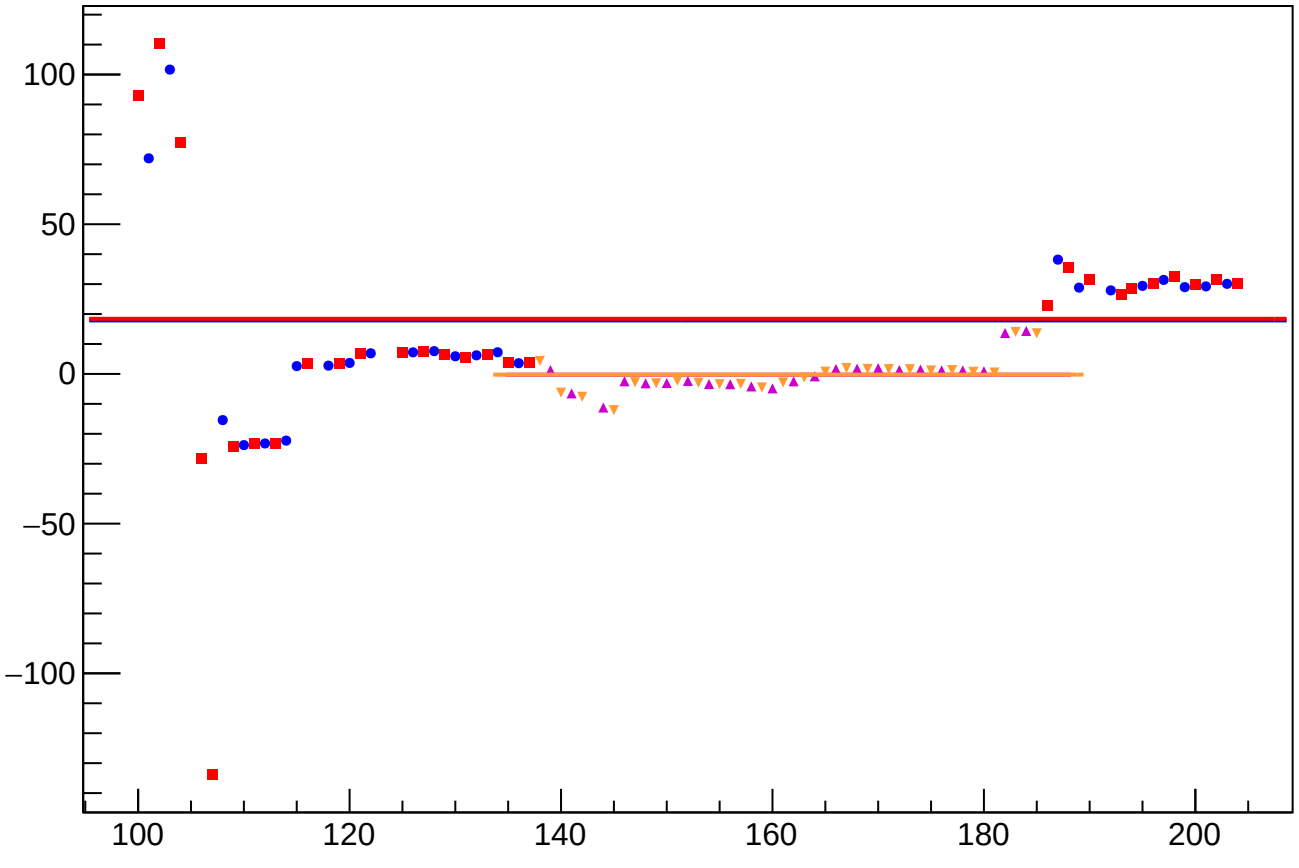
Right Out: 0.397+/-0.677 χ^2/NDF: 55.1/27

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

\+ sign 1.743+/-0.345 χ^2/NDF: 273.0/47

All: 1.452+/-0.244 χ^2/NDF: 494.0/98

\- sign 1.159+/-0.346 χ^2/NDF: 219.6/50



Right In: 17.872+/-0.036 χ^2/NDF: 404287.0/23

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 18.413+/-0.035 χ^2/NDF: 582771.2/27

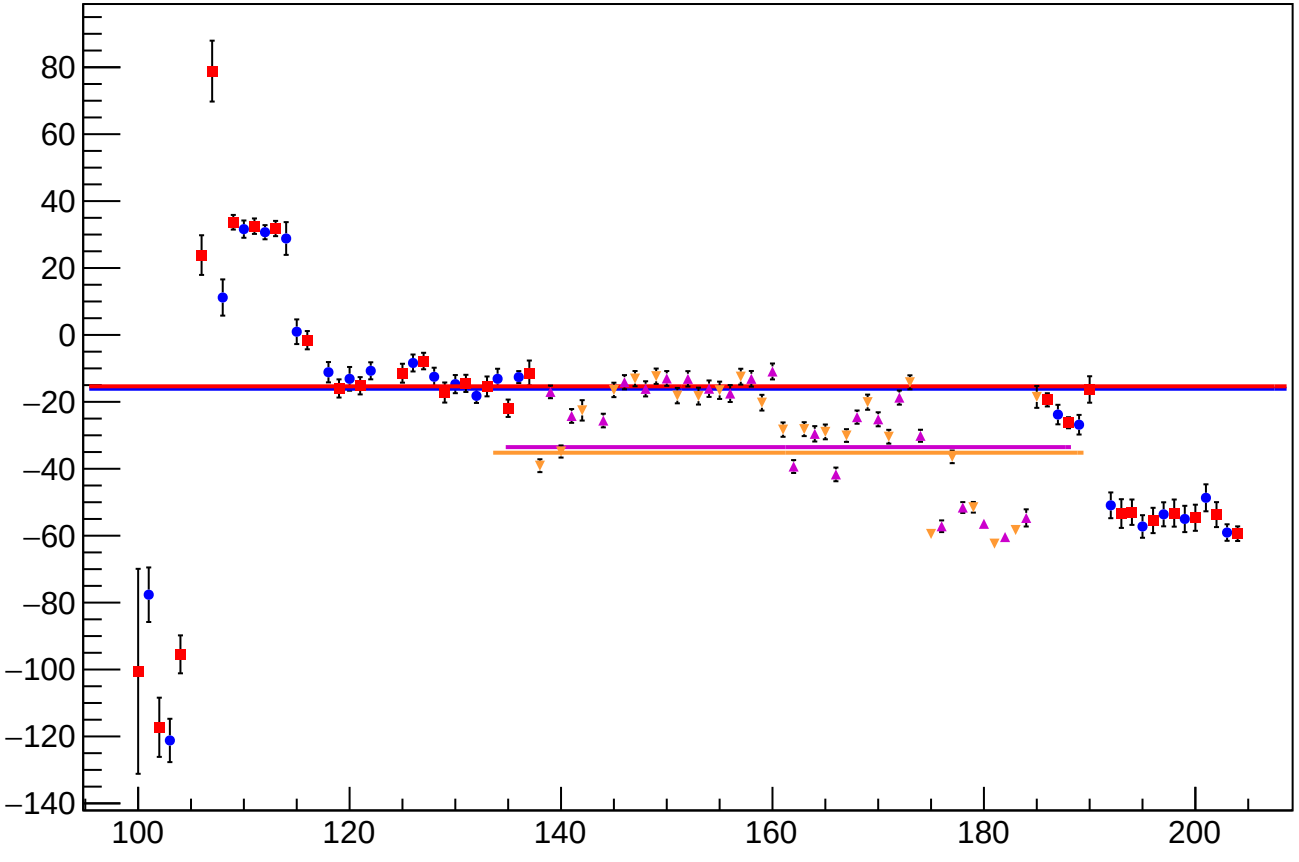
Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 3.304+/-0.016 χ^2/NDF: 690861.6/47

All: 3.427+/-0.011 χ^2/NDF: 1573396.9/98

- sign 3.551+/-0.016 χ^2/NDF: 882413.8/50

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -16.081+/-0.605 χ^2/NDF: 2131.2/23

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

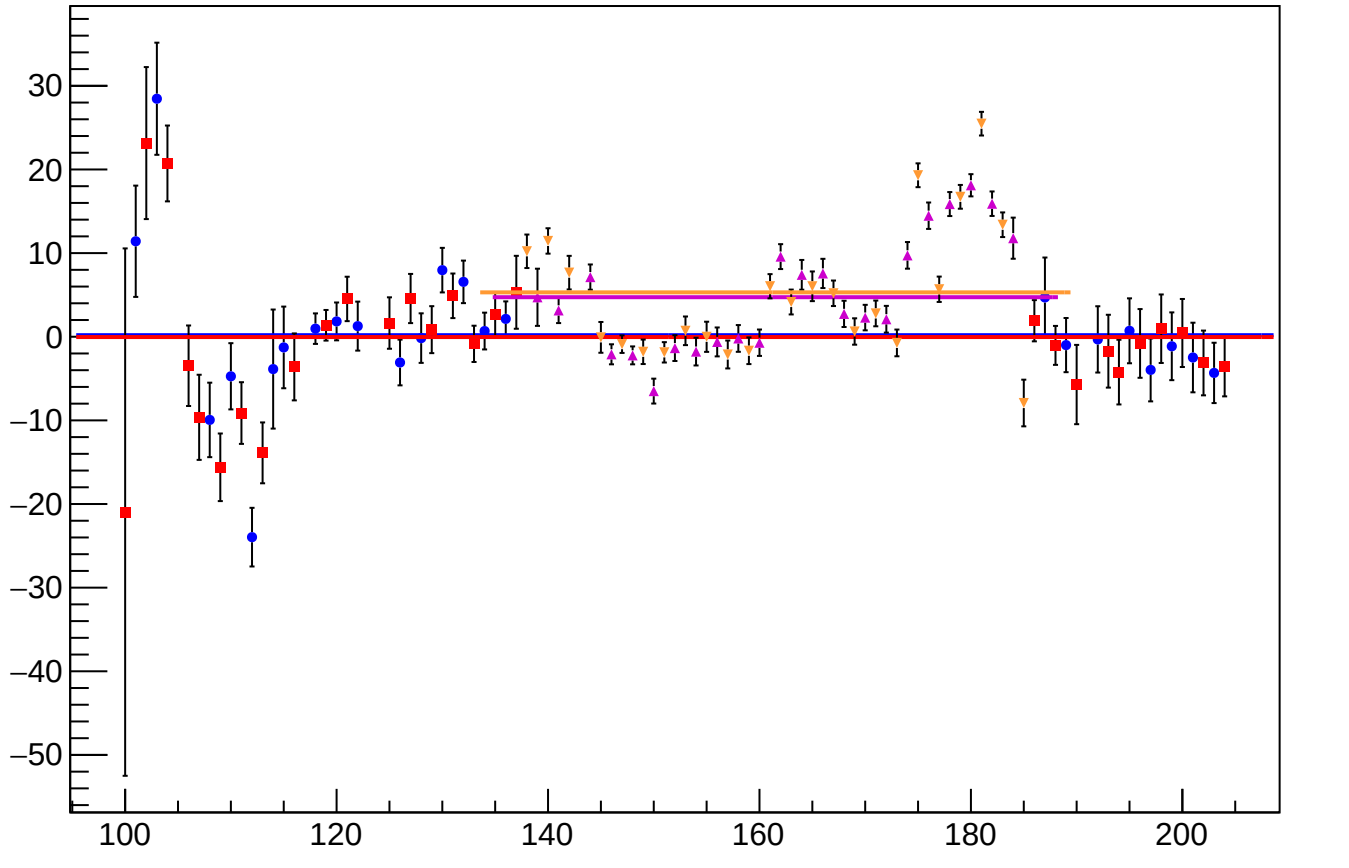
Right Out: -15.357+/-0.553 χ^2/NDF: 2930.2/27

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -29.221+/-0.338 χ^2/NDF: 4668.3/47

All: -28.094+/-0.237 χ^2/NDF: 10118.1/98

- sign -27.013+/-0.331 χ^2/NDF: 5428.1/50



Right In: 0.186+/-0.642 χ^2/NDF: 97.6/23

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

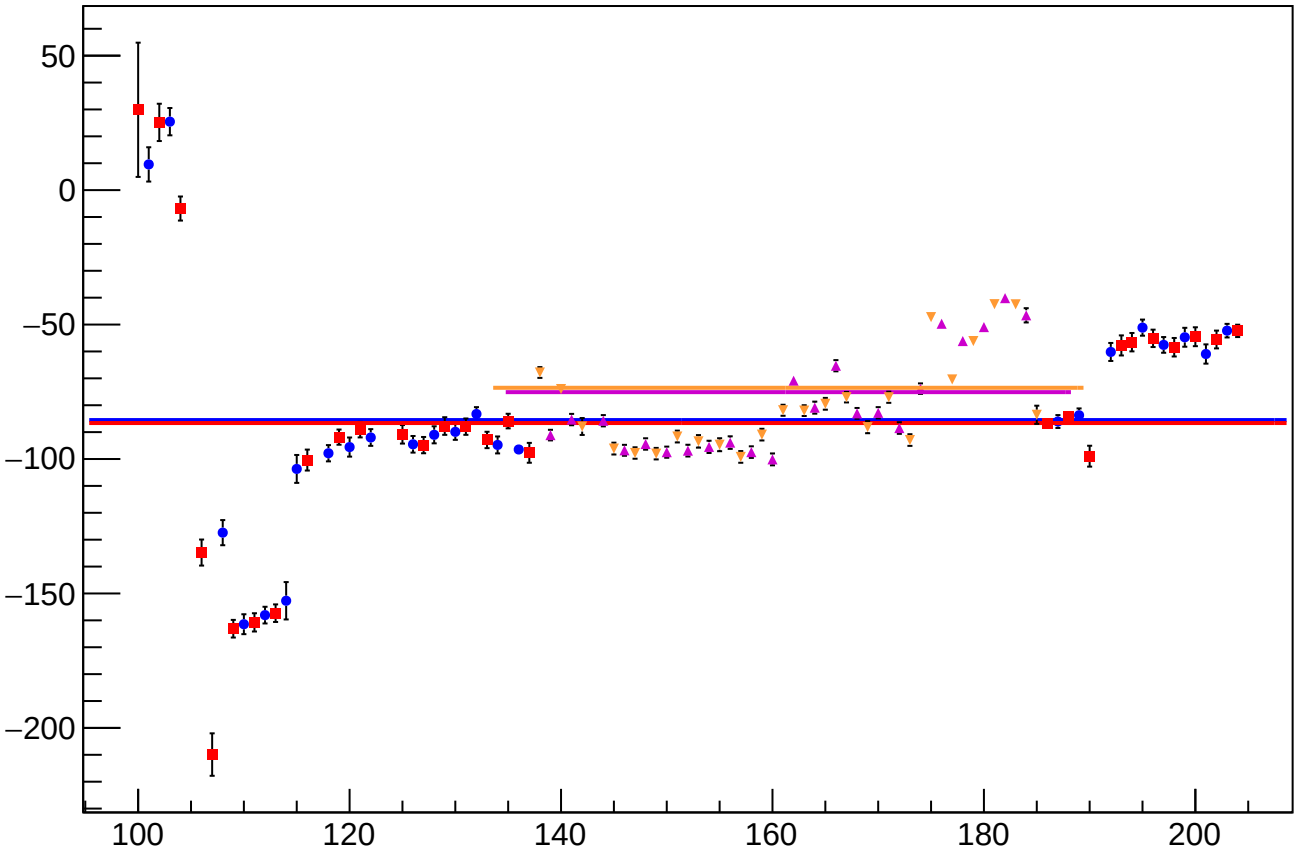
Right Out: -0.037+/-0.621 χ^2/NDF: 86.0/27

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.313+/-0.283 χ^2/NDF: 773.2/47

All: 4.020+/-0.201 χ^2/NDF: 1403.9/98

- sign 3.721+/-0.285 χ^2/NDF: 628.4/50



Right In: -85.516+/-0.635 χ^2/NDF: 2520.0/23

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

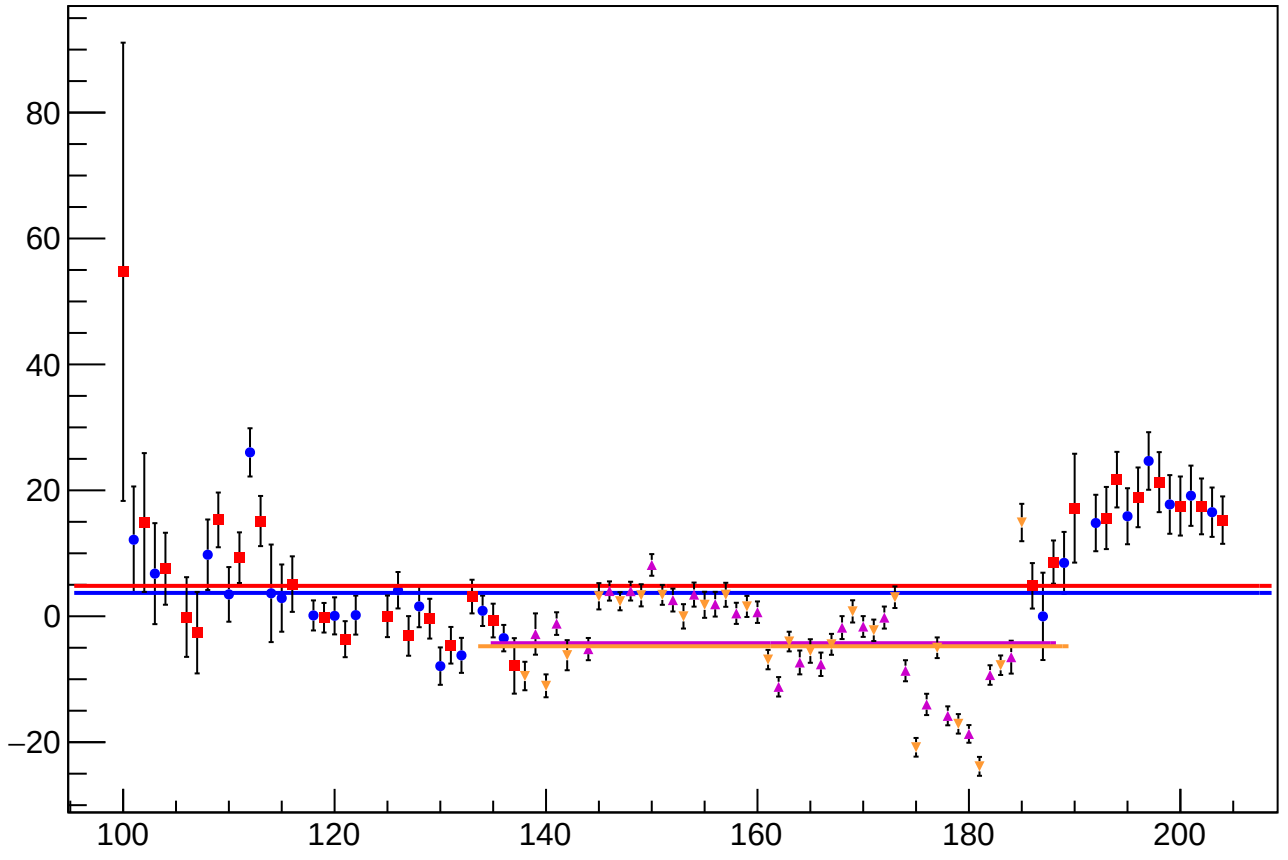
Right Out: -86.622+/-0.563 χ^2/NDF: 3177.4/27

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

\+ sign -76.979+/-0.342 χ^2/NDF: 5165.9/47

All: -78.079+/-0.238 χ^2/NDF: 10997.4/98

\- sign -79.113+/-0.331 χ^2/NDF: 5811.4/50



Right In: 3.711+/-0.736 χ^2/NDF: 149.0/23

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

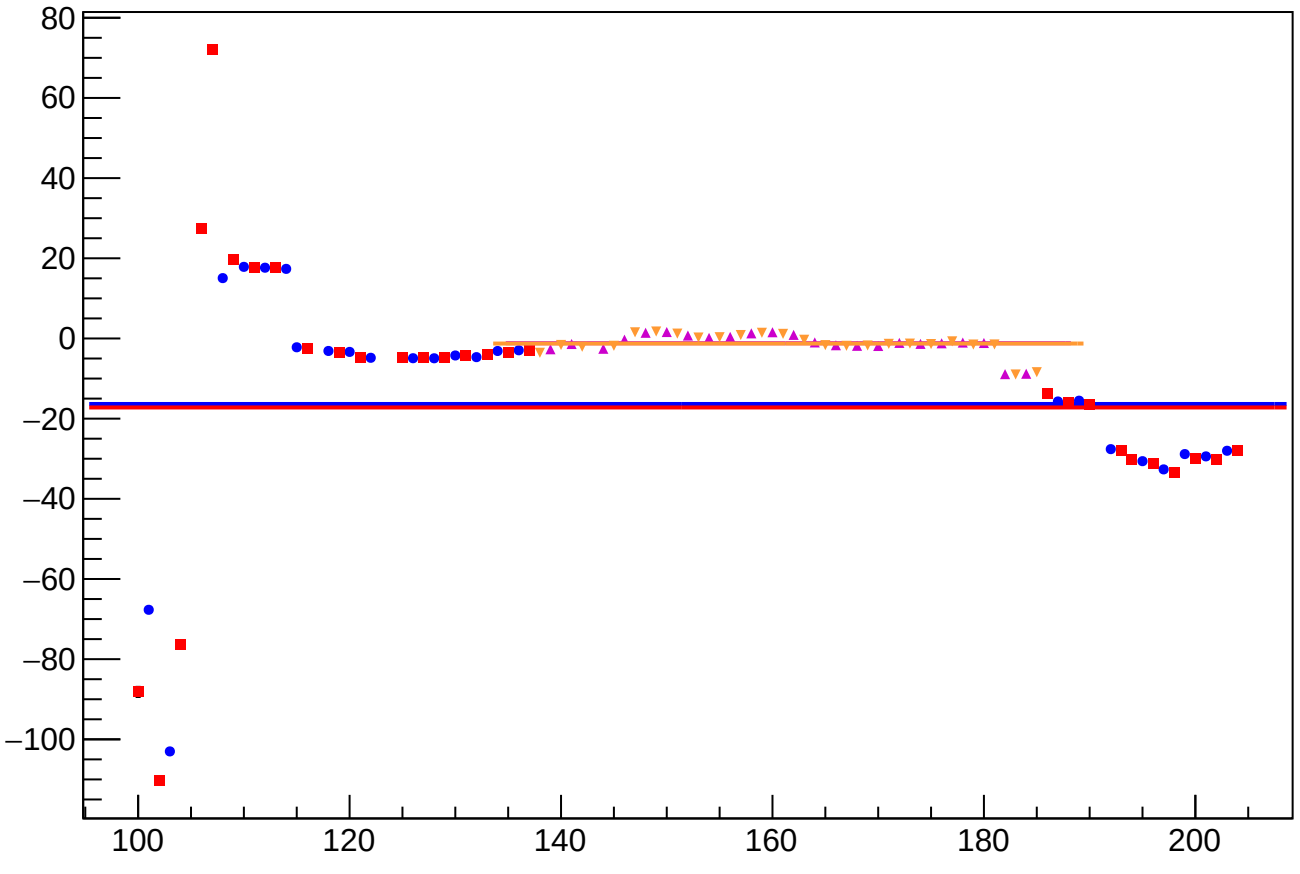
Right Out: 4.829+/-0.728 χ^2/NDF: 133.2/27

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

\+ sign -3.164+/-0.320 χ^2/NDF: 833.5/47

All: -2.827+/-0.227 χ^2/NDF: 1518.7/98

\- sign -2.482+/-0.323 χ^2/NDF: 682.9/50



Right In: -16.342+/-0.036 χ^2/NDF: 356674.3/23

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

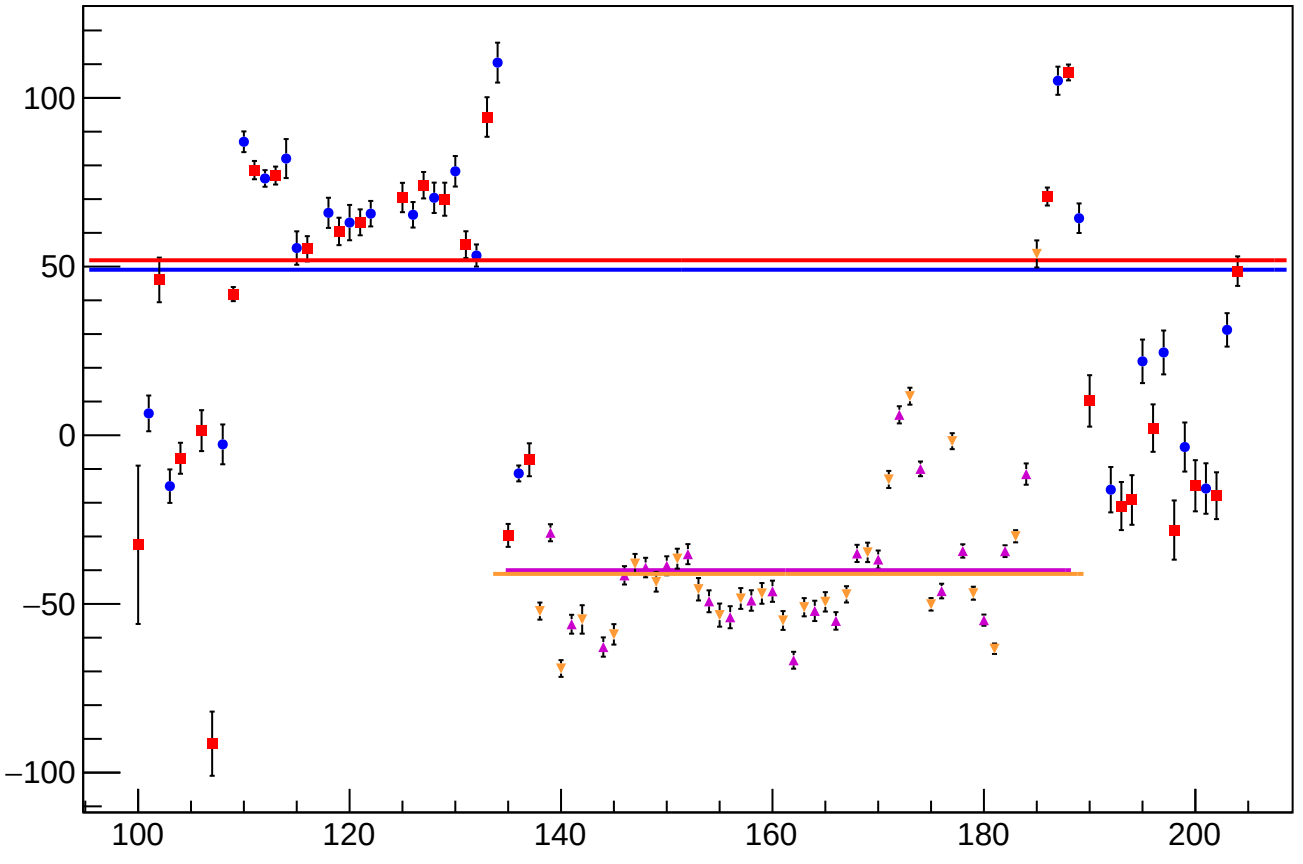
Right Out: -17.212+/-0.036 χ^2/NDF: 454756.4/27

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -3.691+/-0.015 χ^2/NDF: 526943.6/47

All: -3.752+/-0.010 χ^2/NDF: 1172375.0/98

- sign -3.814+/-0.015 χ^2/NDF: 645395.7/50



Right In: 49.068+/-0.867 χ^2/NDF: 1964.7/23

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 51.875+/-0.768 χ^2/NDF: 2686.3/27

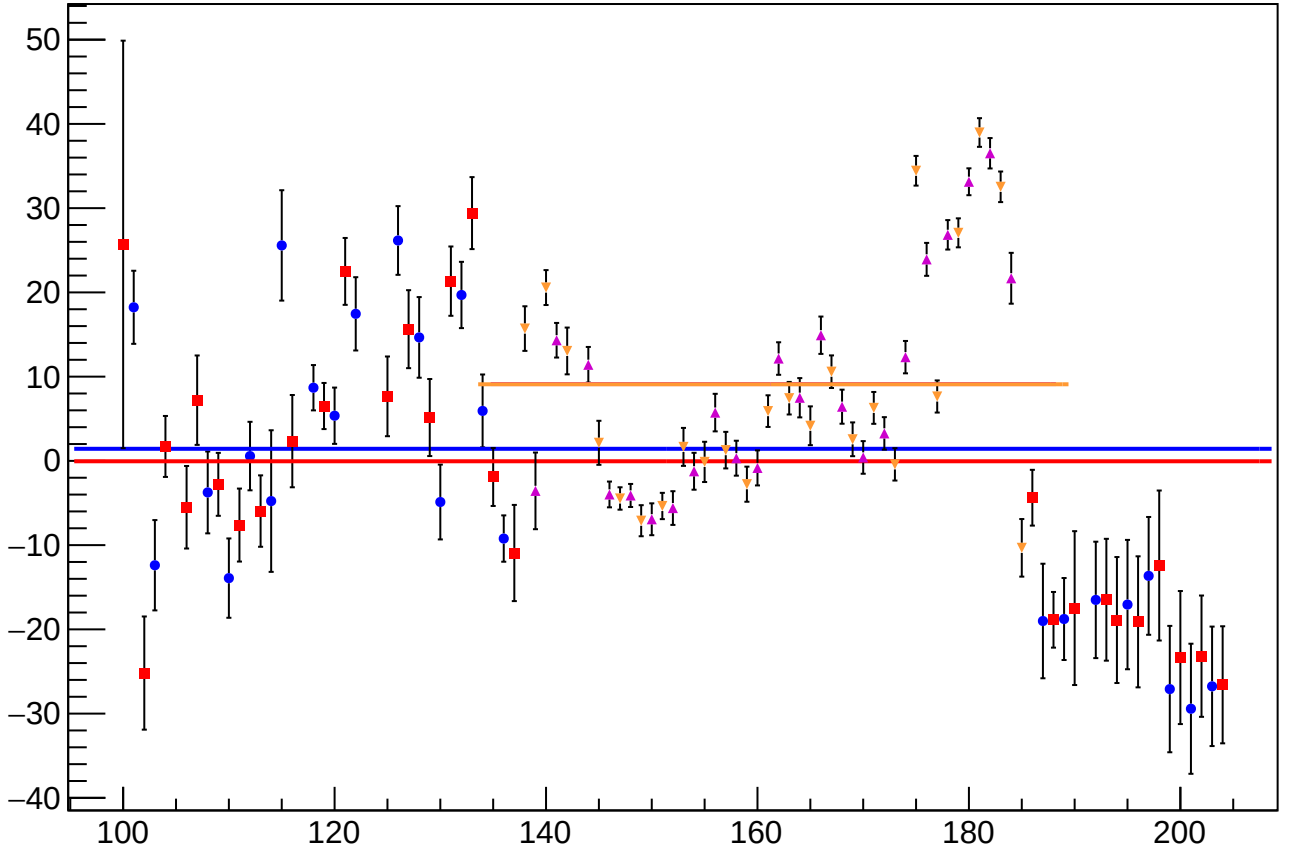
Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -17.427+/-0.444 χ^2/NDF: 11886.5/47

All: -14.017+/-0.310 χ^2/NDF: 25486.4/98

\- sign -10.779+/-0.433 χ^2/NDF: 13485.1/50

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 1.435+/-0.938 χ^2/NDF: 243.6/23

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

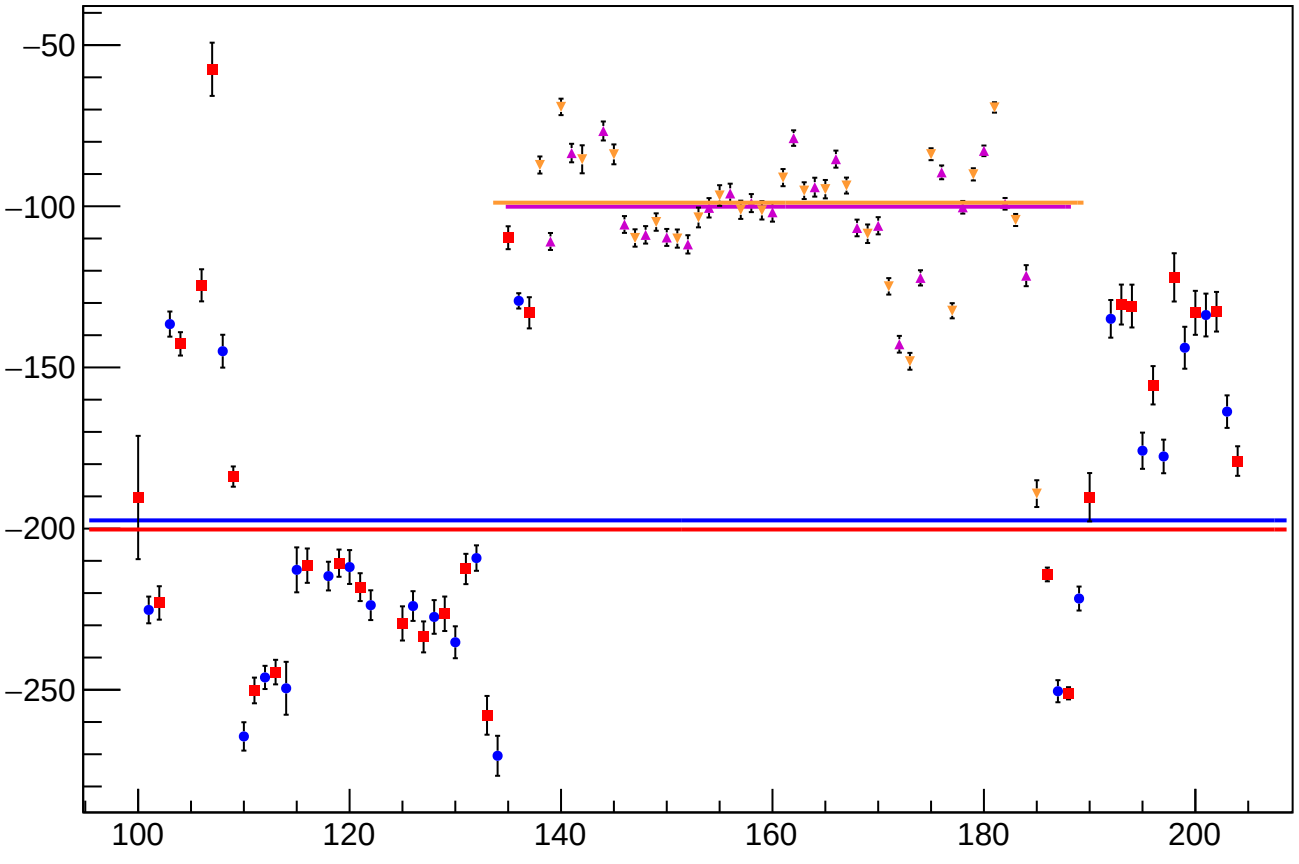
Right Out: -0.046+/-0.886 χ^2/NDF: 246.9/27

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 7.910+/-0.369 χ^2/NDF: 1553.6/47

All: 7.712+/-0.262 χ^2/NDF: 2941.2/98

- sign 7.511+/-0.371 χ^2/NDF: 1387.0/50



Right In: -197.447+/-0.916 χ^2/NDF: 2633.3/23

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

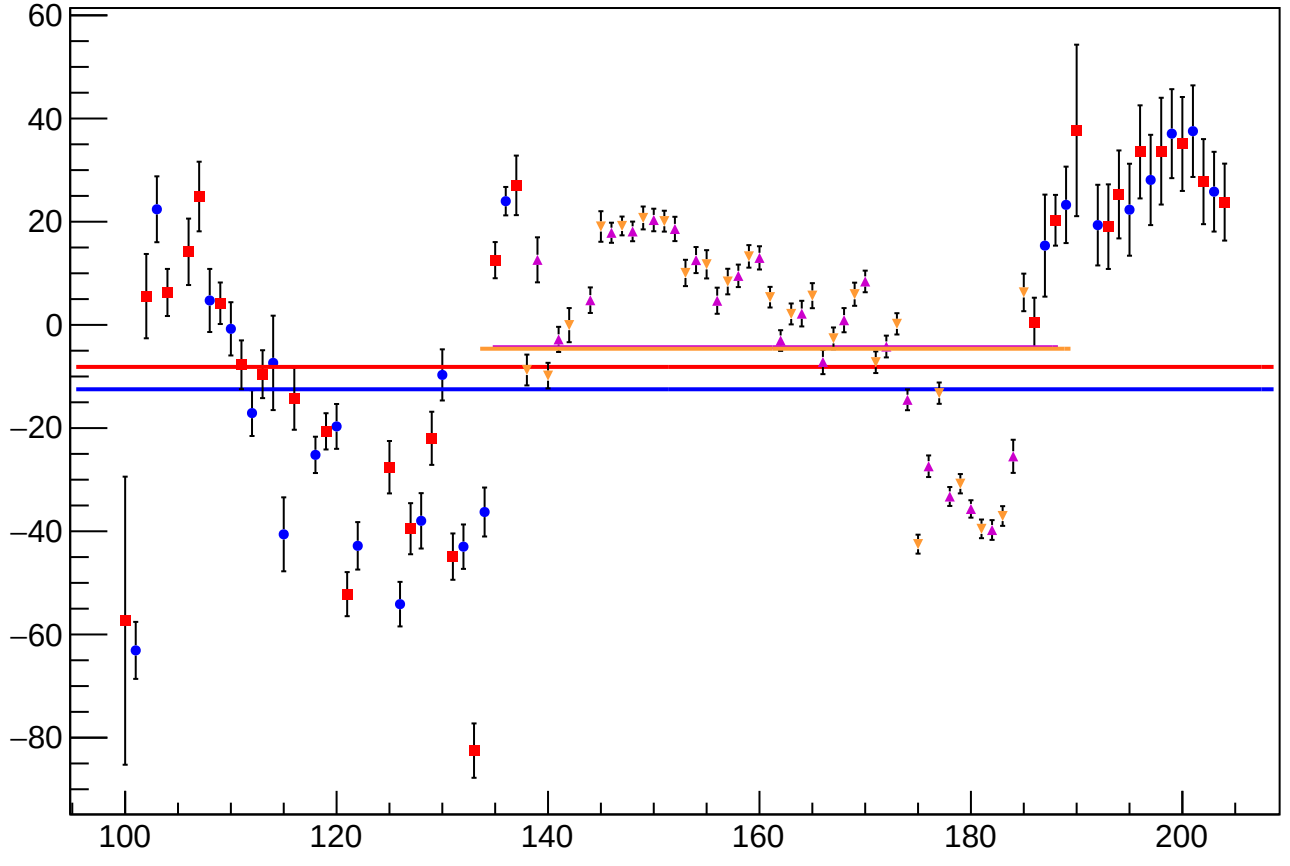
Right Out: -200.275+/-0.800 χ^2/NDF: 3595.2/27

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -122.510+/-0.448 χ^2/NDF: 13267.4/47

All: -126.303+/-0.313 χ^2/NDF: 28845.2/98

- sign -129.890+/-0.436 χ^2/NDF: 15438.5/50



Right In: -12.478+/-1.080 χ^2/NDF: 743.4/23

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

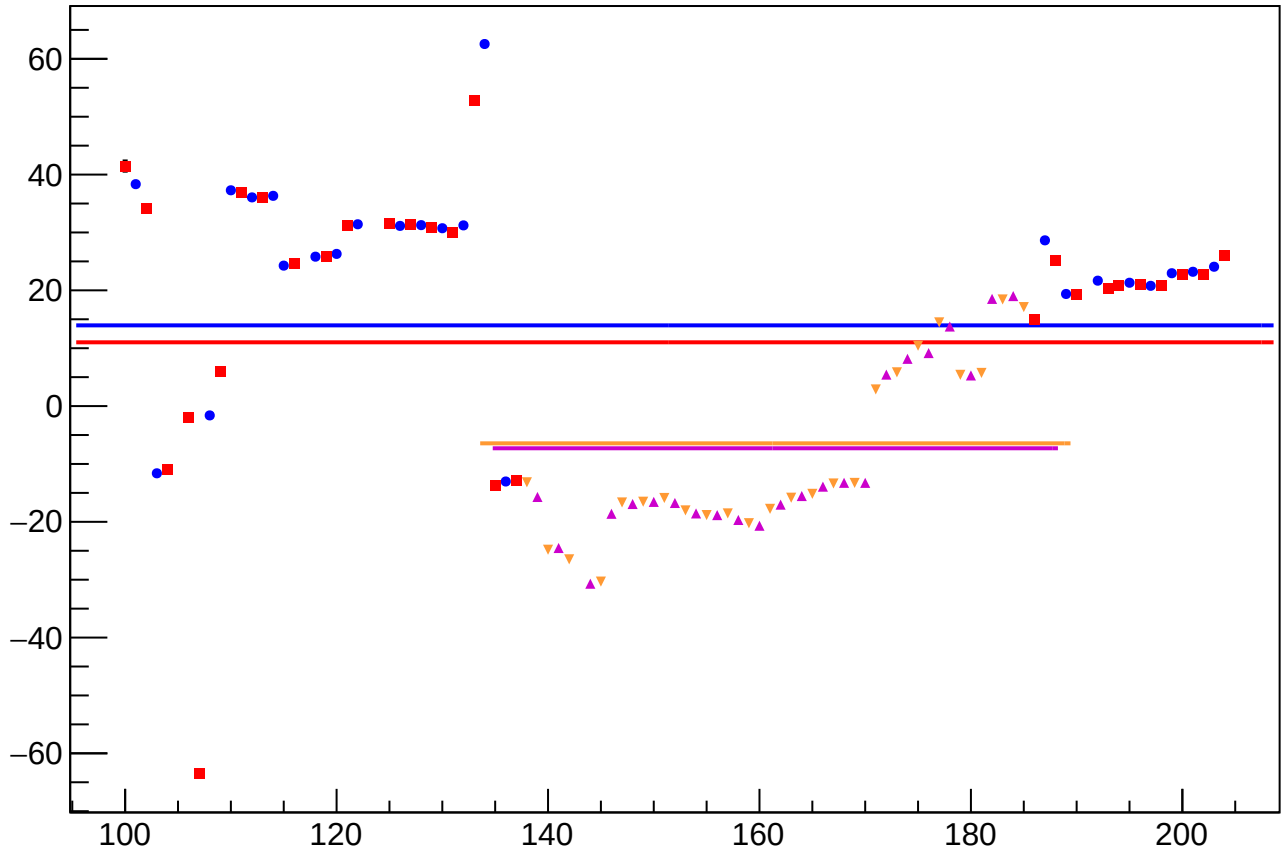
Right Out: -8.143+/-1.041 χ^2/NDF: 749.5/27

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -5.787+/-0.416 χ^2/NDF: 2866.8/47

All: -5.371+/-0.296 χ^2/NDF: 5483.7/98

- sign -4.949+/-0.420 χ^2/NDF: 2614.9/50



Right In: 13.947+/-0.053 χ^2/NDF: 174669.0/23

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

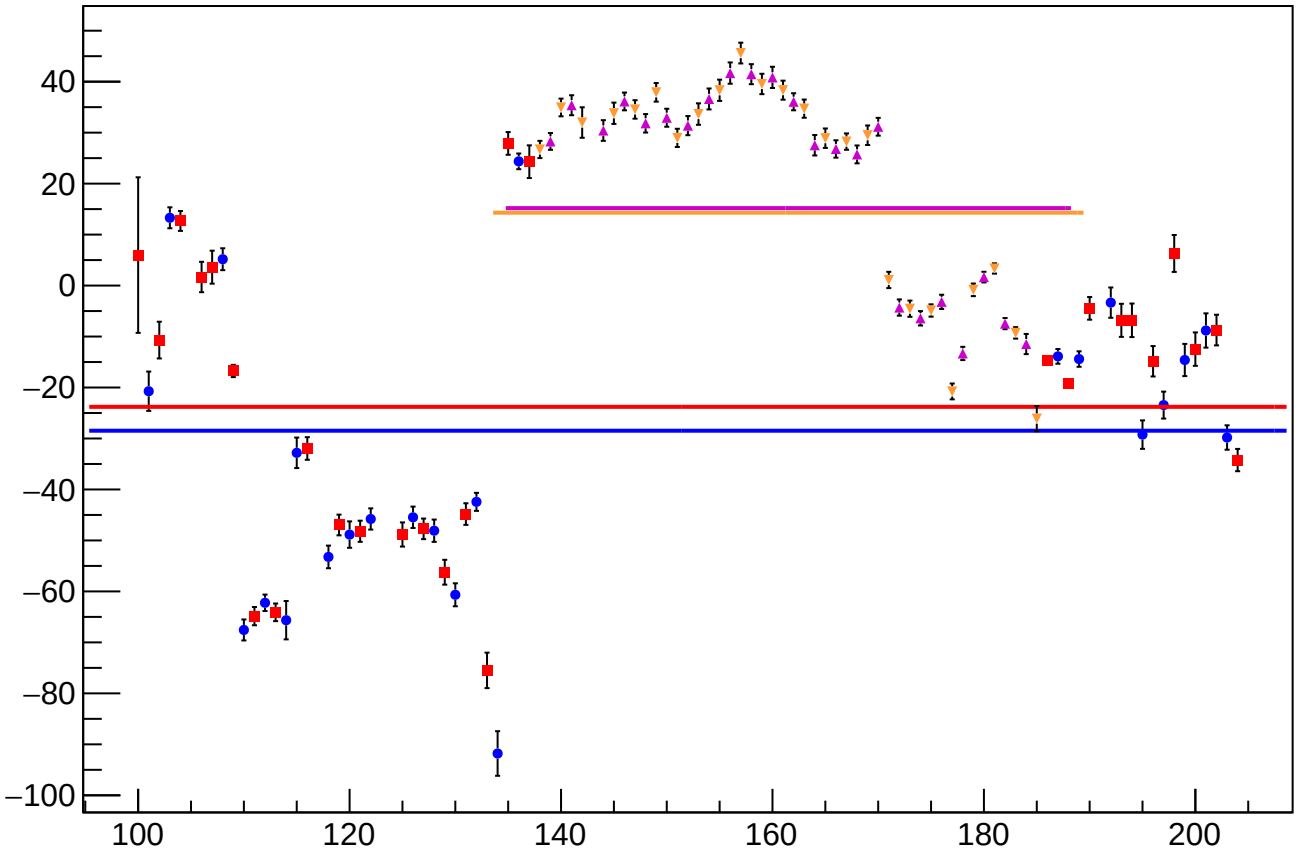
Right Out: 11.019+/-0.052 χ^2/NDF: 177509.2/27

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -3.884+/-0.019 χ^2/NDF: 799020.1/47

All: -4.371+/-0.013 χ^2/NDF: 1574184.1/98

- sign -4.860+/-0.019 χ^2/NDF: 773830.1/50



Right In: -28.473+/-0.447 χ^2/NDF: 3930.9/23

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

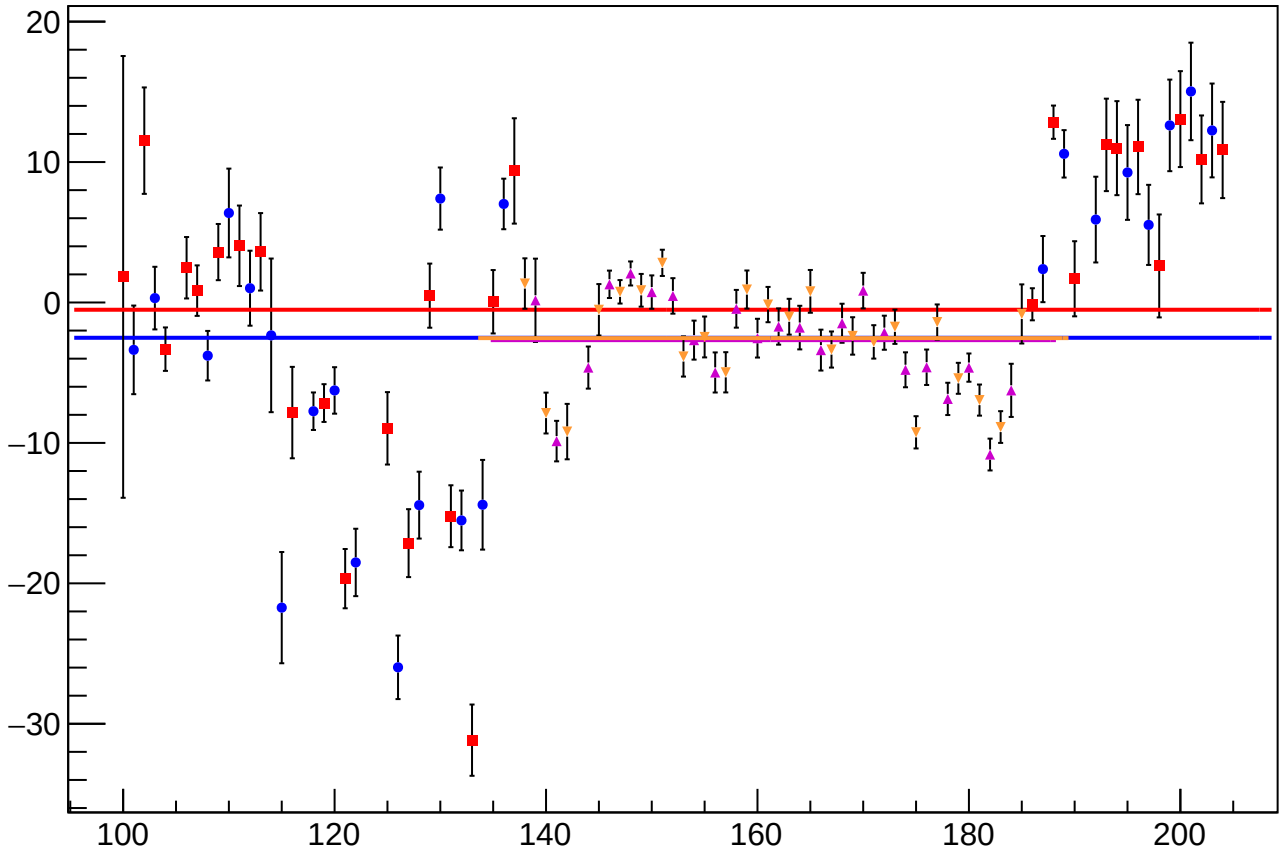
Right Out: -23.791+/-0.370 χ^2/NDF: 3796.7/27

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -1.079+/-0.268 χ^2/NDF: 13509.0/47

All: -1.893+/-0.183 χ^2/NDF: 26751.7/98

- sign -2.602+/-0.250 χ^2/NDF: 13225.4/50



Right In: -2.513+/-0.478 χ^2/NDF: 491.1/23

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -0.517+/-0.417 χ^2/NDF: 595.7/27

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -2.532+/-0.228 χ^2/NDF: 689.5/47

All: -2.291+/-0.159 χ^2/NDF: 1488.6/98

- sign -2.058+/-0.223 χ^2/NDF: 796.9/50

Right In: 52.775+/-0.443 χ^2/NDF: 6645.9/23

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 46.347+/-0.352 χ^2/NDF: 5953.2/27

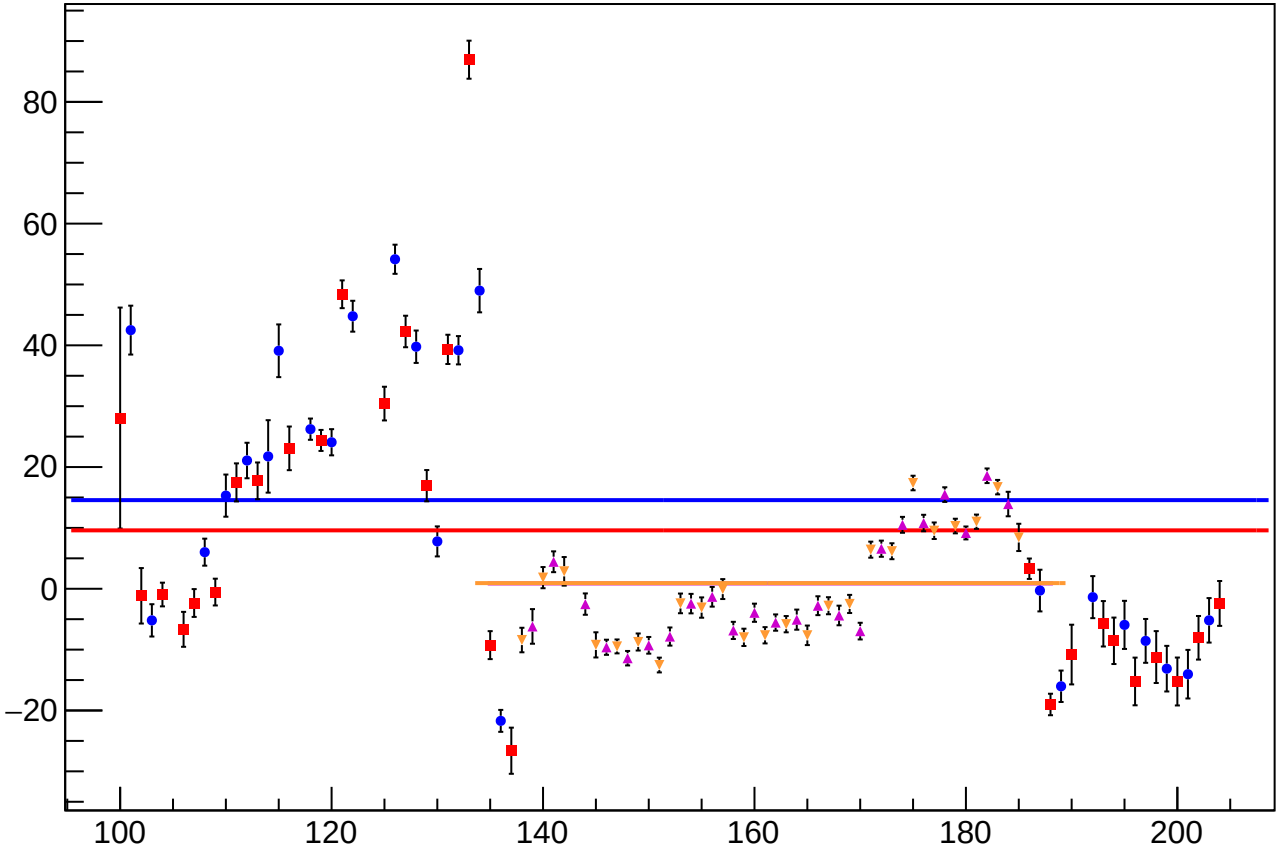
Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 22.960+/-0.266 χ^2/NDF: 16525.1/47

All: 24.013+/-0.179 χ^2/NDF: 32075.7/98

- sign 24.892+/-0.243 χ^2/NDF: 15521.9/50

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 14.565+/-0.567 χ^2/NDF: 1728.2/23

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

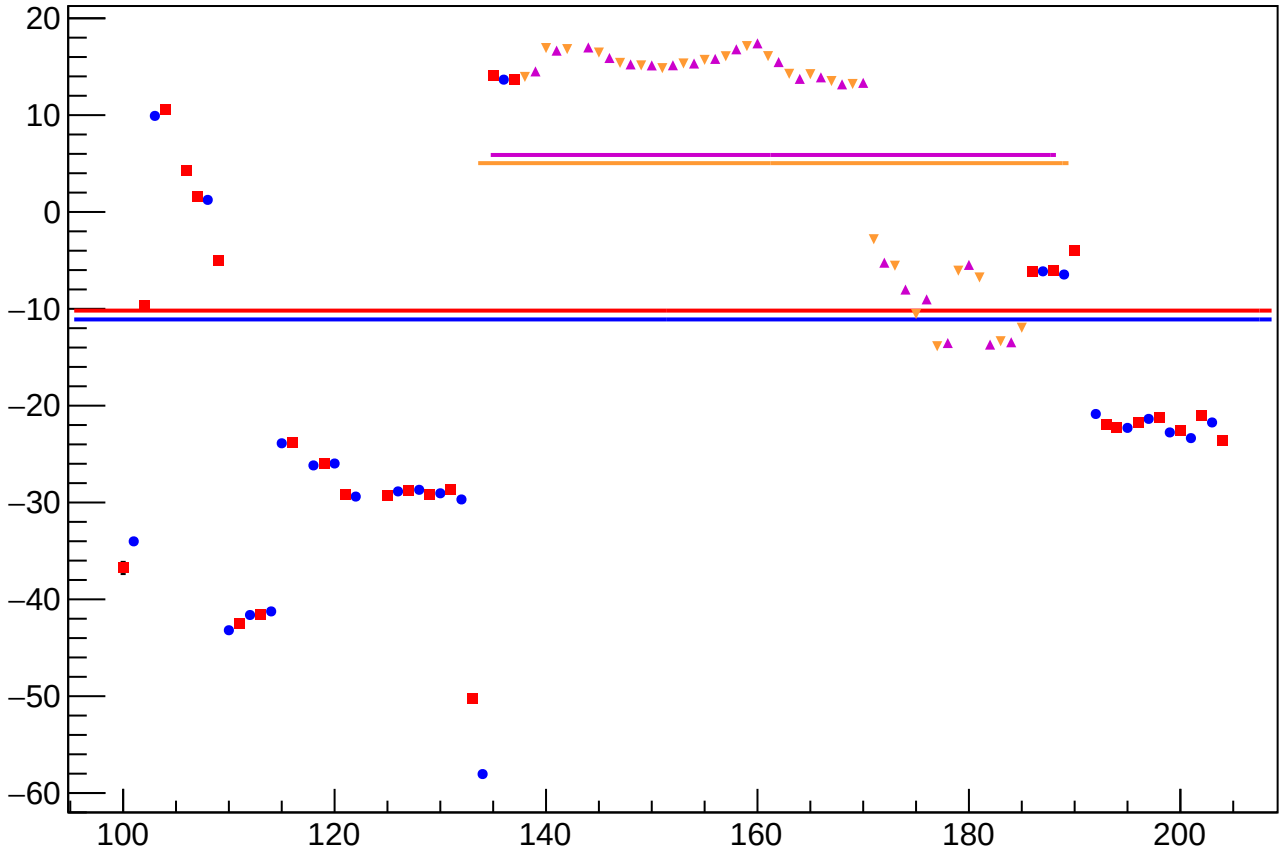
Right Out: 9.597+/-0.512 χ^2/NDF: 2126.3/27

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 3.783+/-0.259 χ^2/NDF: 3227.0/47

All: 3.426+/-0.183 χ^2/NDF: 6579.9/98

- sign 3.075+/-0.257 χ^2/NDF: 3349.1/50



Right In: -11.097+/-0.026 χ^2/NDF: 486952.8/23

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

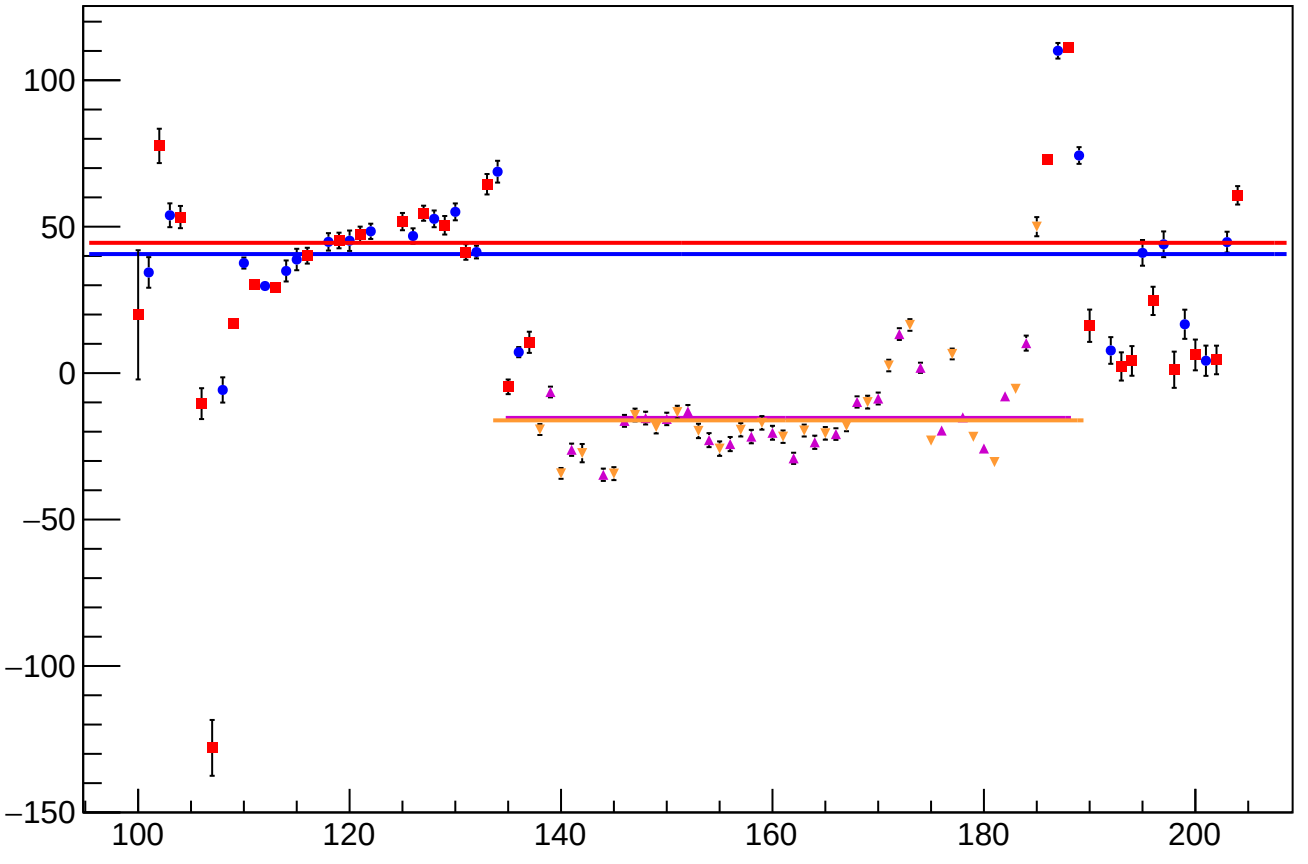
Right Out: -10.184+/-0.025 χ^2/NDF: 406659.0/27

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 1.863+/-0.012 χ^2/NDF: 1643288.7/47

All: 2.127+/-0.008 χ^2/NDF: 3222528.8/98

- sign 2.388+/-0.012 χ^2/NDF: 1578225.2/50



Right In: 40.645+/-0.588 χ^2/NDF: 1614.7/23

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 44.485+/-0.523 χ^2/NDF: 4090.8/27

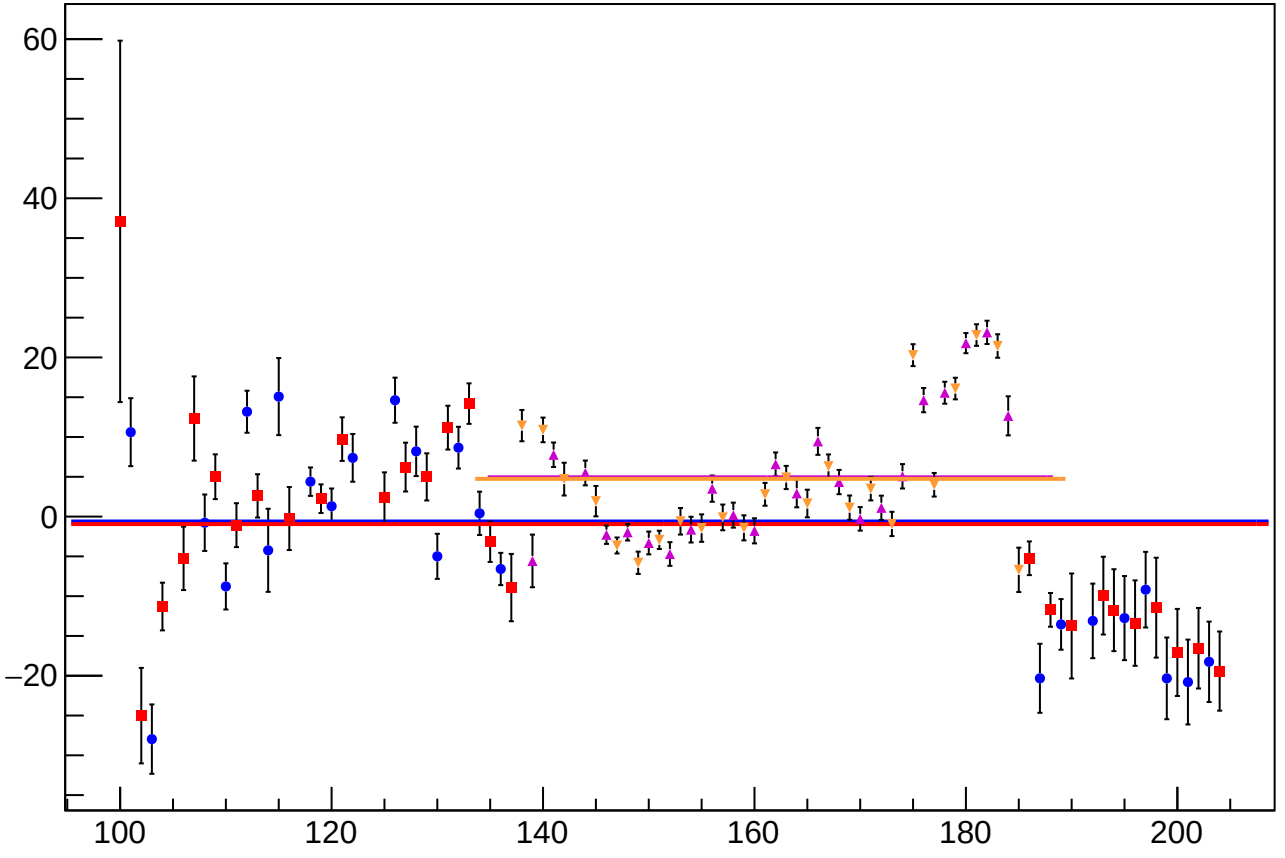
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign 1.706+/-0.330 χ^2/NDF: 9376.5/47

All: 4.430+/-0.229 χ^2/NDF: 22553.7/98

- sign 6.987+/-0.319 χ^2/NDF: 13044.7/50

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -0.618+/-0.643 χ^2/NDF: 263.0/23

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

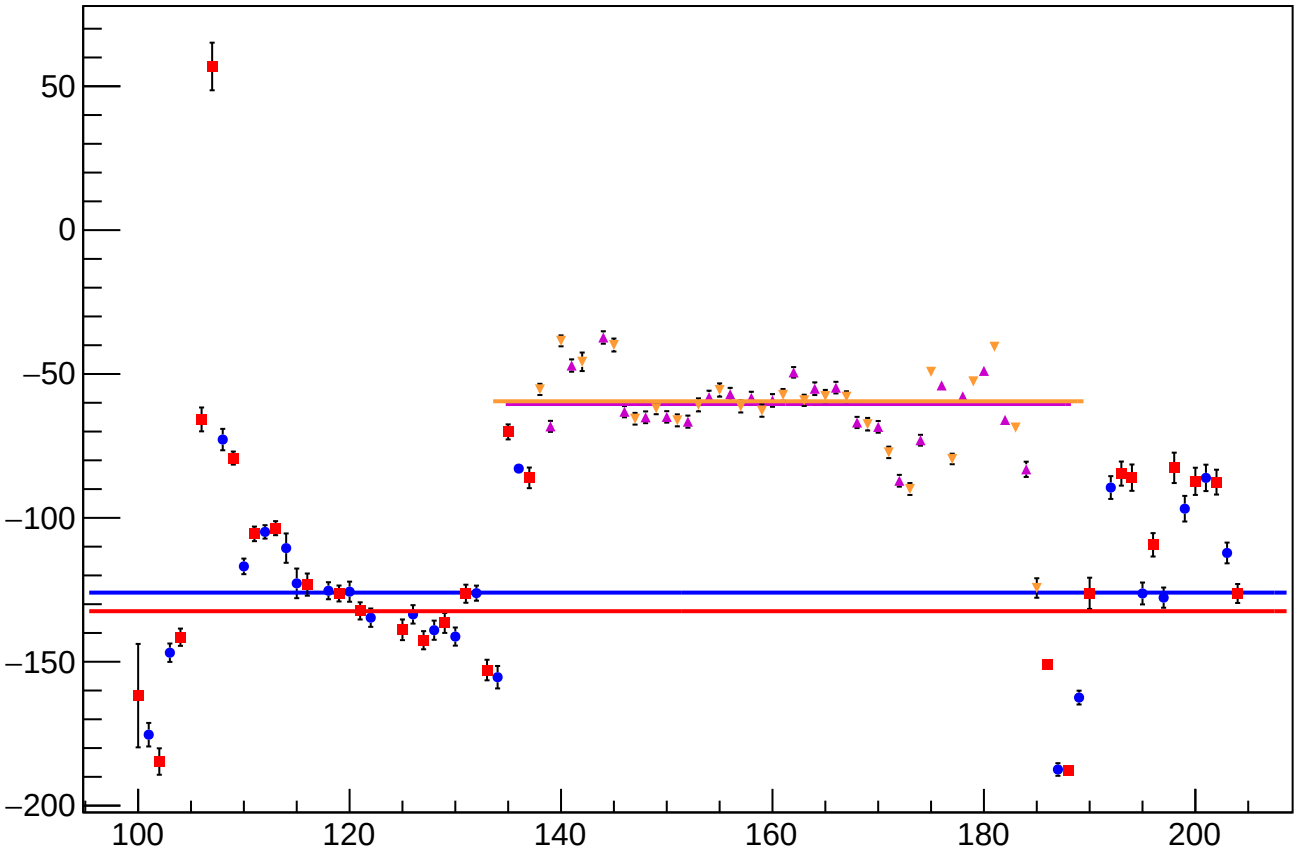
Right Out: -0.943+/-0.611 χ^2/NDF: 214.1/27

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.751+/-0.277 χ^2/NDF: 1113.5/47

All: 3.732+/-0.196 χ^2/NDF: 2089.2/98

- sign 3.714+/-0.279 χ^2/NDF: 975.7/50



Right In: -125.976+/-0.630 χ^2/NDF: 2447.7/23

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

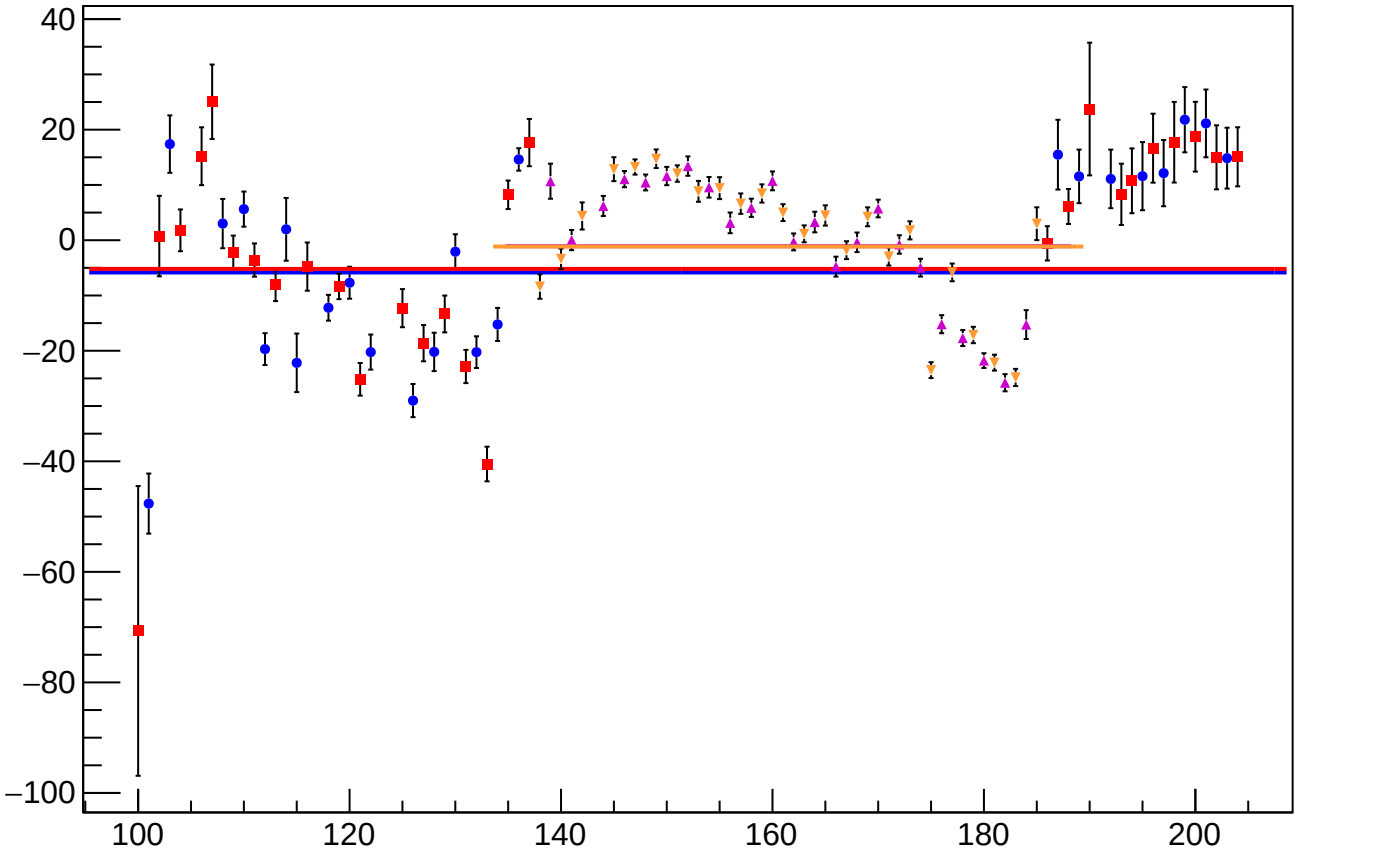
Right Out: -132.433+/-0.546 χ^2/NDF: 5319.4/27

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

+ sign -78.226+/-0.335 χ^2/NDF: 11812.1/47

All: -82.027+/-0.232 χ^2/NDF: 29379.4/98

- sign -85.554+/-0.322 χ^2/NDF: 17318.6/50



Right In: -5.837+/-0.740 χ^2/NDF: 480.9/23

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

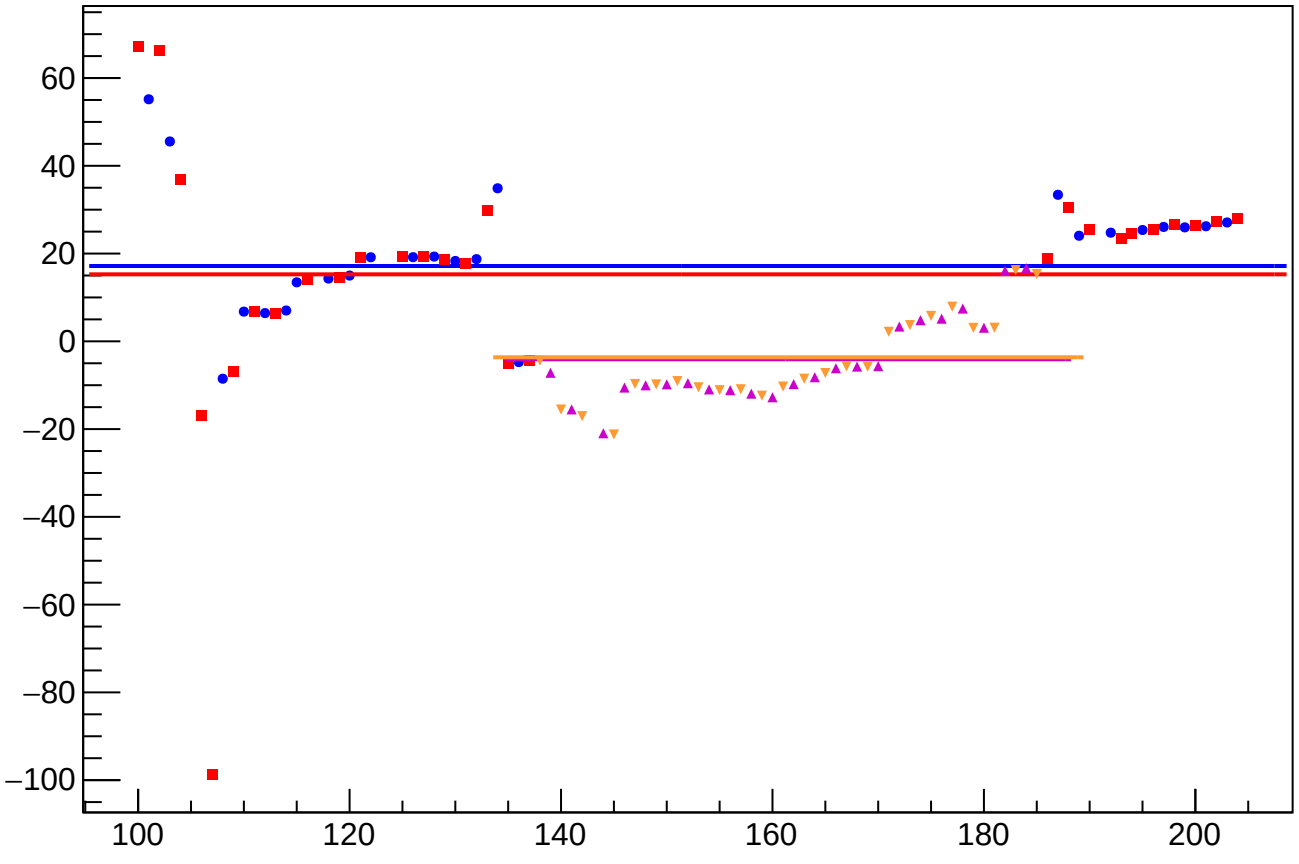
Right Out: -5.191+/-0.720 χ^2/NDF: 436.5/27

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -1.984+/-0.313 χ^2/NDF: 1816.9/47

All: -1.930+/-0.222 χ^2/NDF: 3437.1/98

- sign -1.874+/-0.316 χ^2/NDF: 1620.2/50



Right In: 17.167+/-0.038 χ^2/NDF: 207293.5/23

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 15.267+/-0.038 χ^2/NDF: 341087.4/27

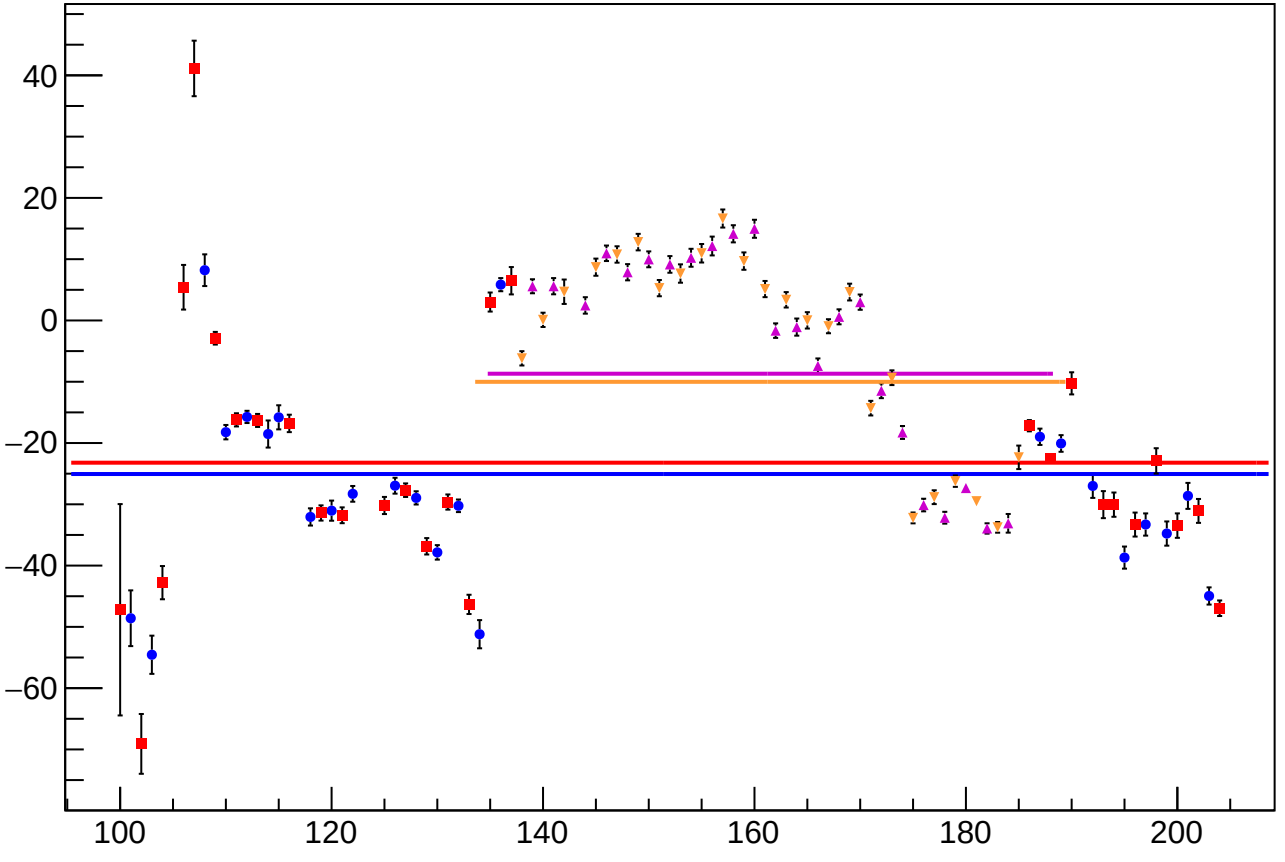
Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -0.674+/-0.014 χ^2/NDF: 811511.7/47

All: -0.967+/-0.010 χ^2/NDF: 1713852.8/98

- sign -1.261+/-0.014 χ^2/NDF: 901502.9/50

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -25.058+/-0.300 χ^2/NDF: 1934.8/23

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

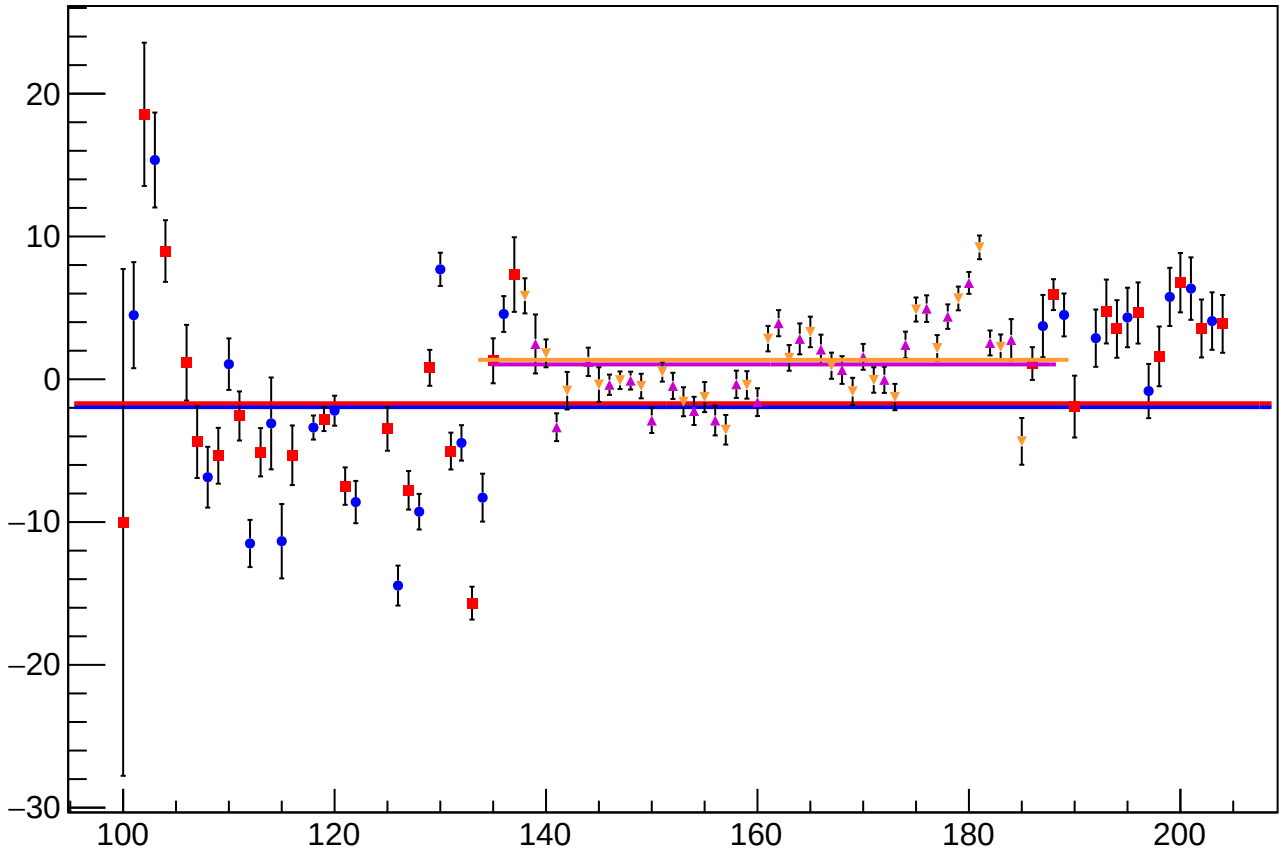
Right Out: -23.209+/-0.272 χ^2/NDF: 2369.7/27

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -16.012+/-0.189 χ^2/NDF: 8424.4/47

All: -15.633+/-0.132 χ^2/NDF: 17383.3/98

- sign -15.279+/-0.183 χ^2/NDF: 8951.2/50



Right In: -1.950+/-0.321 χ^2/NDF: 414.2/23

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -1.680+/-0.305 χ^2/NDF: 383.4/27

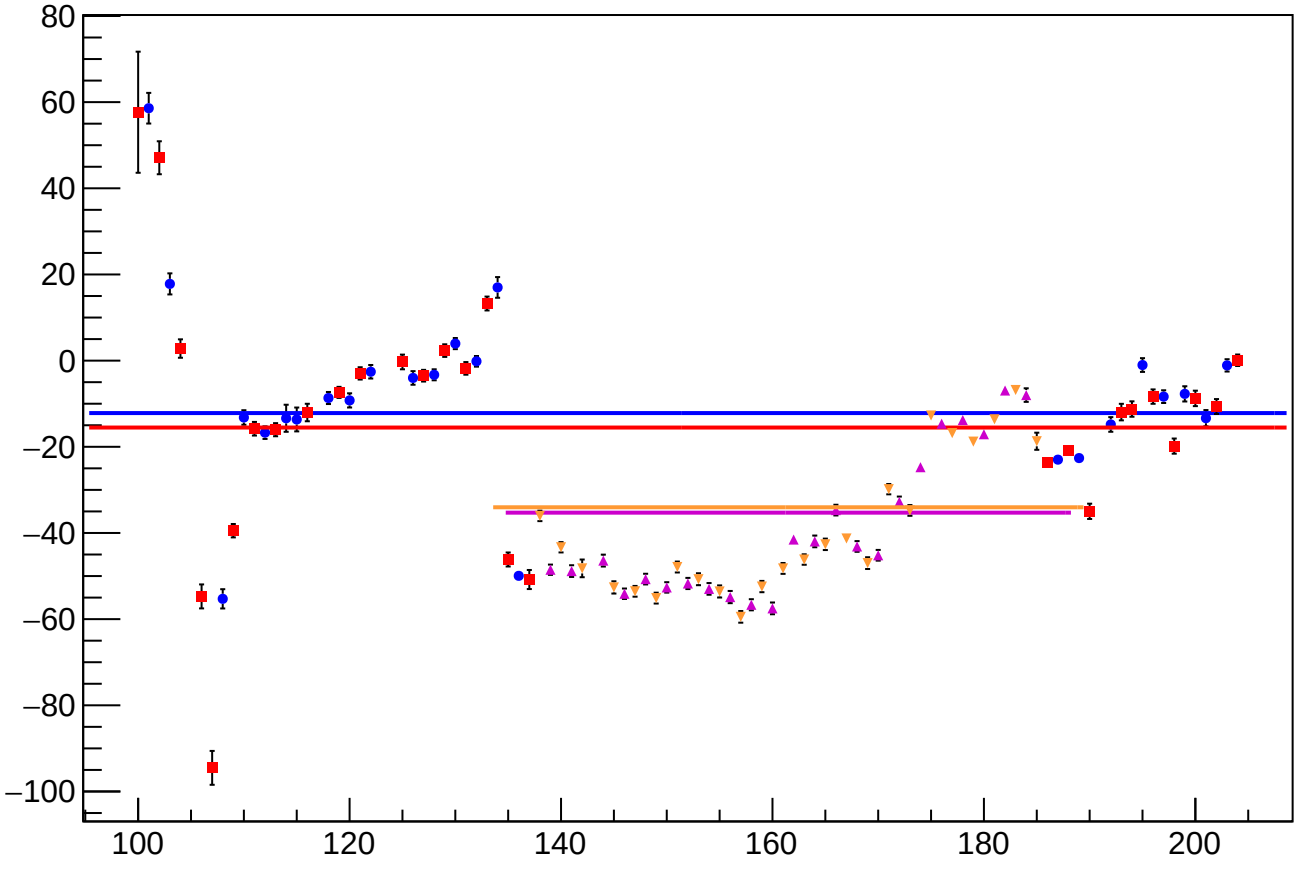
Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.513+/-0.162 χ^2/NDF: 733.7/47

All: 0.391+/-0.115 χ^2/NDF: 1371.1/98

- sign 0.268+/-0.163 χ^2/NDF: 636.3/50

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -12.171+/-0.317 χ^2/NDF: 2967.9/23

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -15.529+/-0.277 χ^2/NDF: 3164.3/27

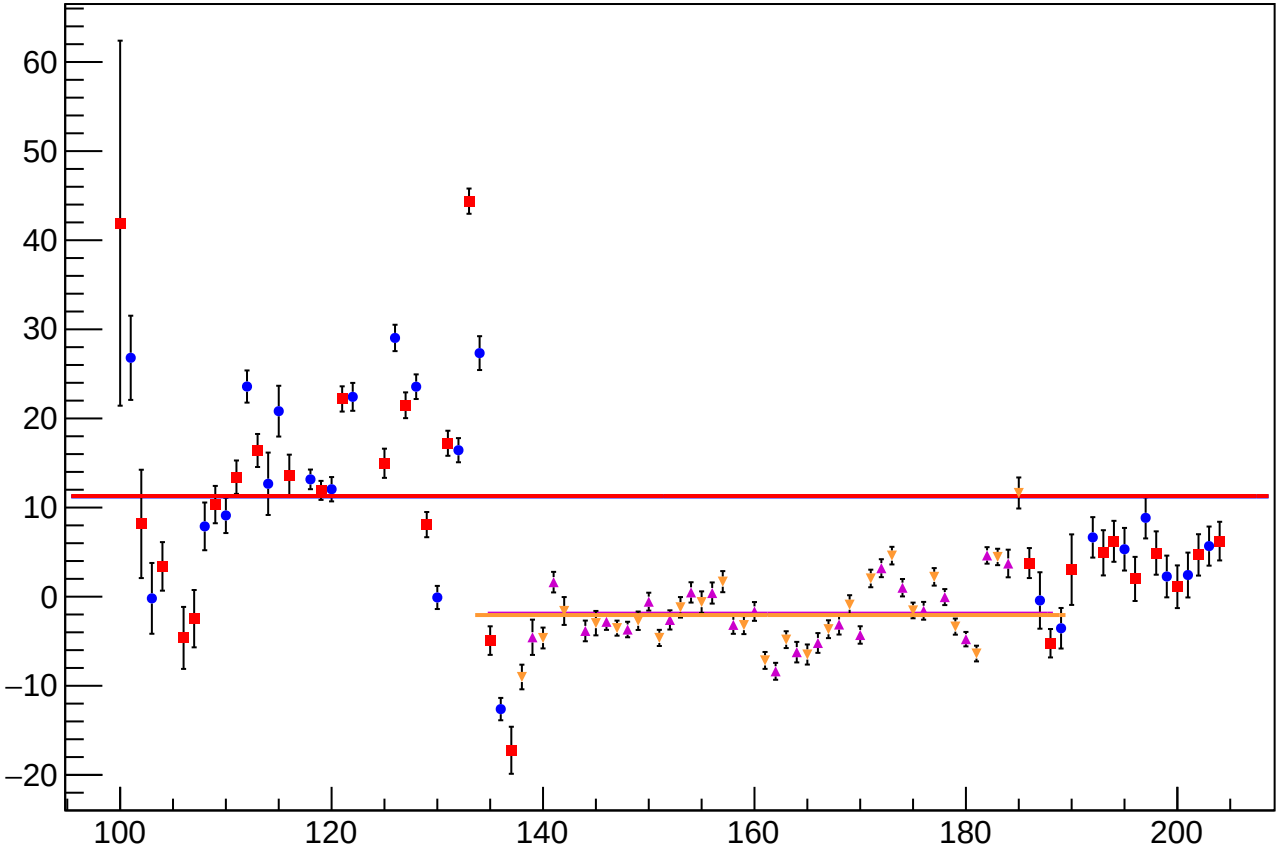
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

+ sign -25.970+/-0.193 χ^2/NDF: 10931.6/47

All: -26.291+/-0.133 χ^2/NDF: 21953.5/98

- sign -26.582+/-0.184 χ^2/NDF: 11016.6/50

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 11.246+/-0.372 χ^2/NDF: 983.2/23

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

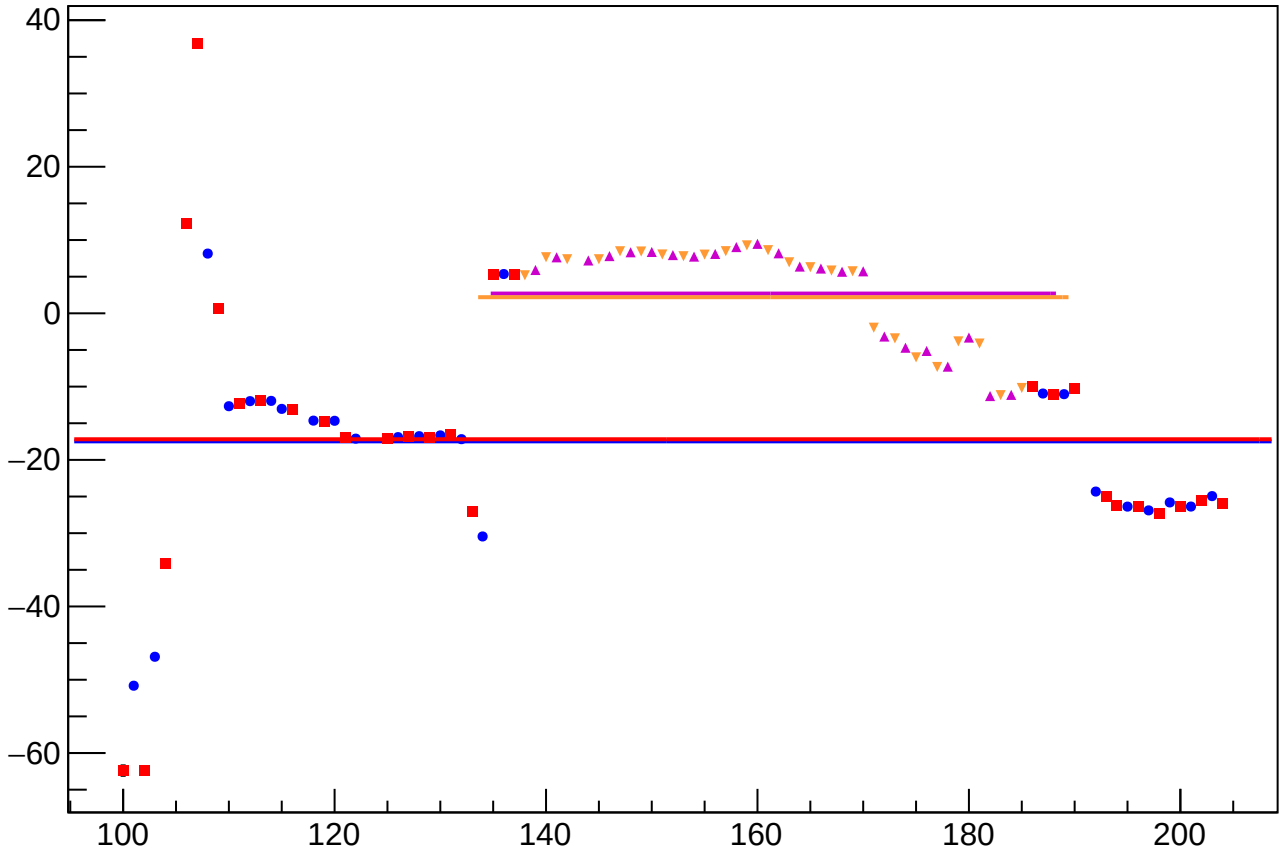
Right Out: 11.295+/-0.361 χ^2/NDF: 1158.4/27

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

+ sign 1.201+/-0.184 χ^2/NDF: 2279.5/47

All: 1.387+/-0.131 χ^2/NDF: 4645.1/98

- sign 1.575+/-0.186 χ^2/NDF: 2363.5/50



Right In: -17.469+/-0.019 χ^2/NDF: 495908.3/23

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -17.185+/-0.019 χ^2/NDF: 580455.2/27

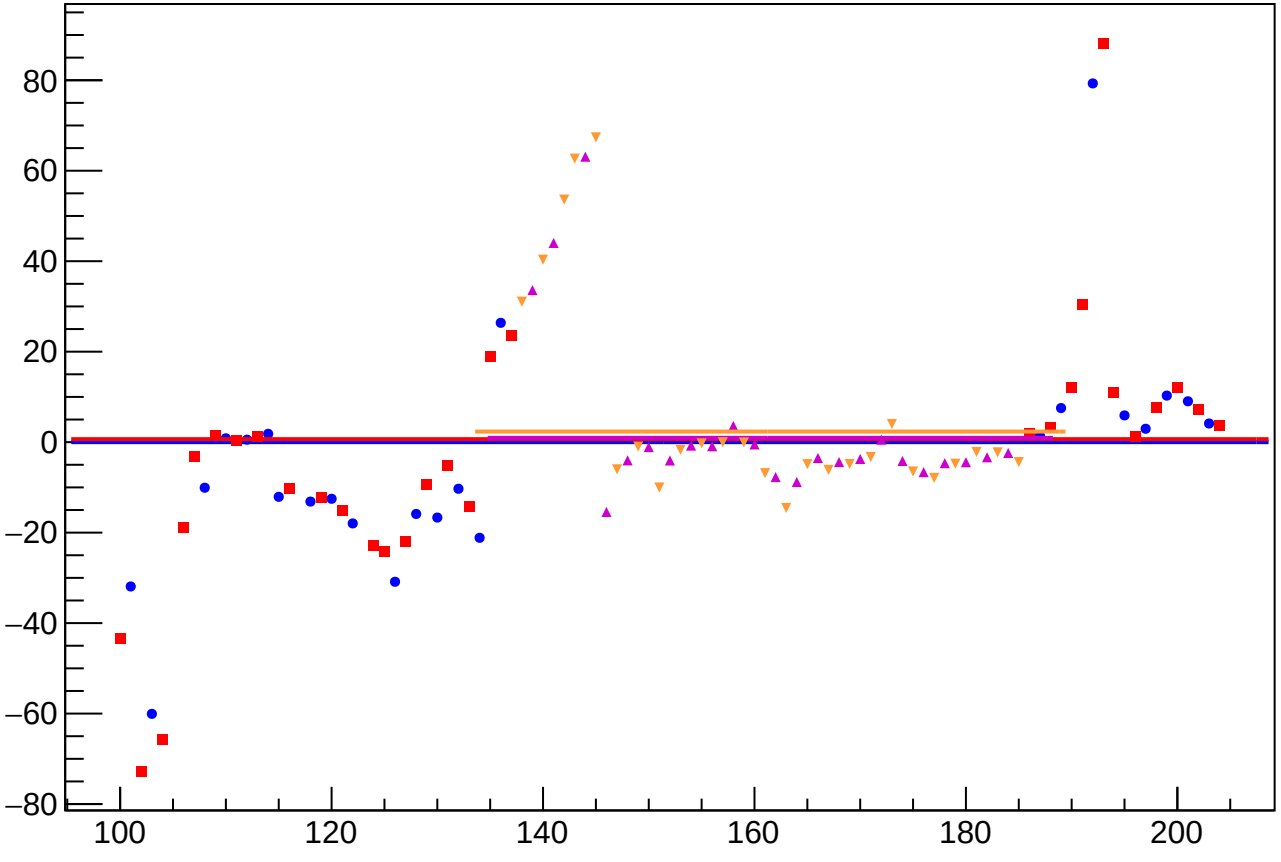
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

+ sign -1.676+/-0.009 χ^2/NDF: 1849522.7/47

All: -1.580+/-0.006 χ^2/NDF: 3839119.1/98

- sign -1.483+/-0.008 χ^2/NDF: 1989339.8/50

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 0.001+/-0.044 χ^2/NDF: 117785.4/23

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

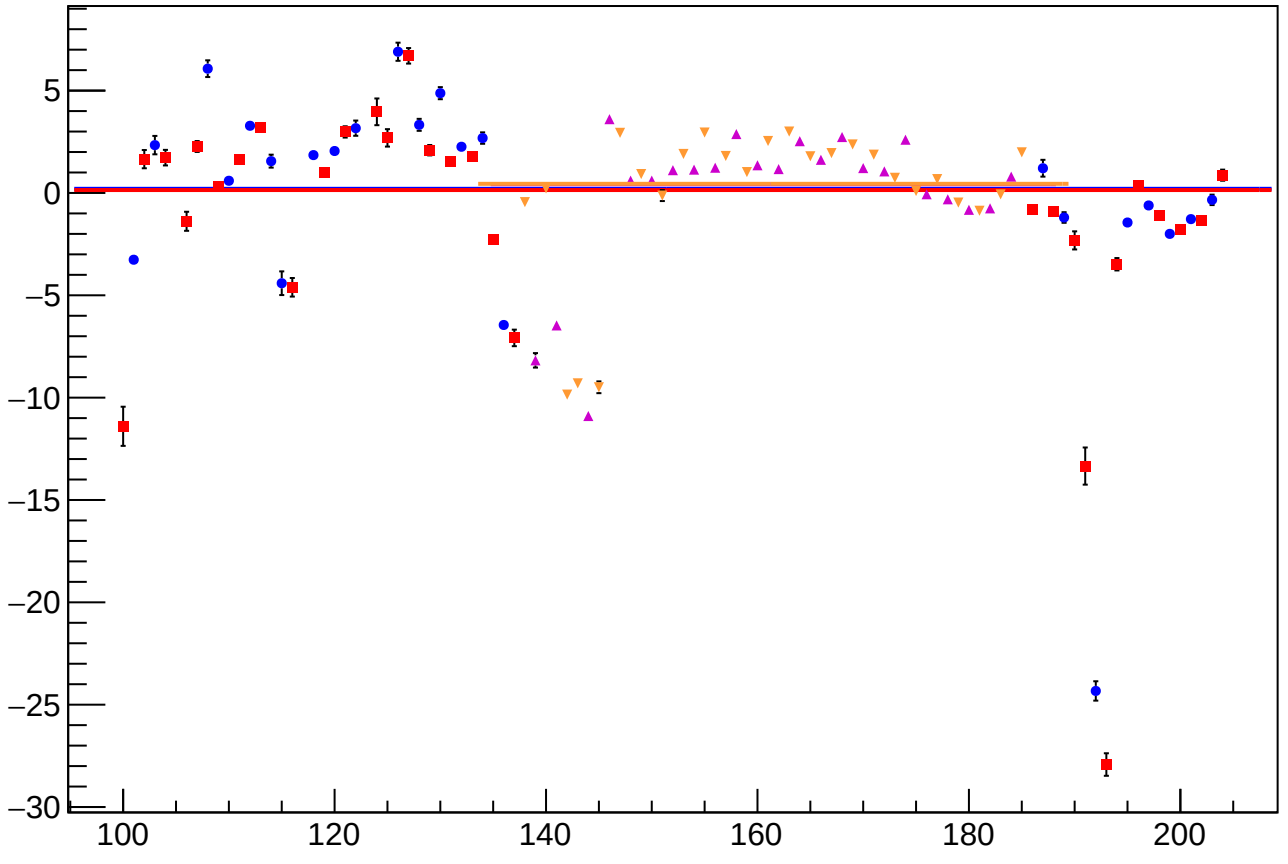
Right Out: 0.665+/-0.037 χ^2/NDF: 119873.9/29

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 1.272+/-0.030 χ^2/NDF: 296315.5/48

All: 1.014+/-0.020 χ^2/NDF: 548876.4/101

- sign 0.799+/-0.027 χ^2/NDF: 252422.7/52



Right In: 0.202+/-0.049 χ^2/NDF: 5821.4/23

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.142+/-0.046 χ^2/NDF: 5075.8/29

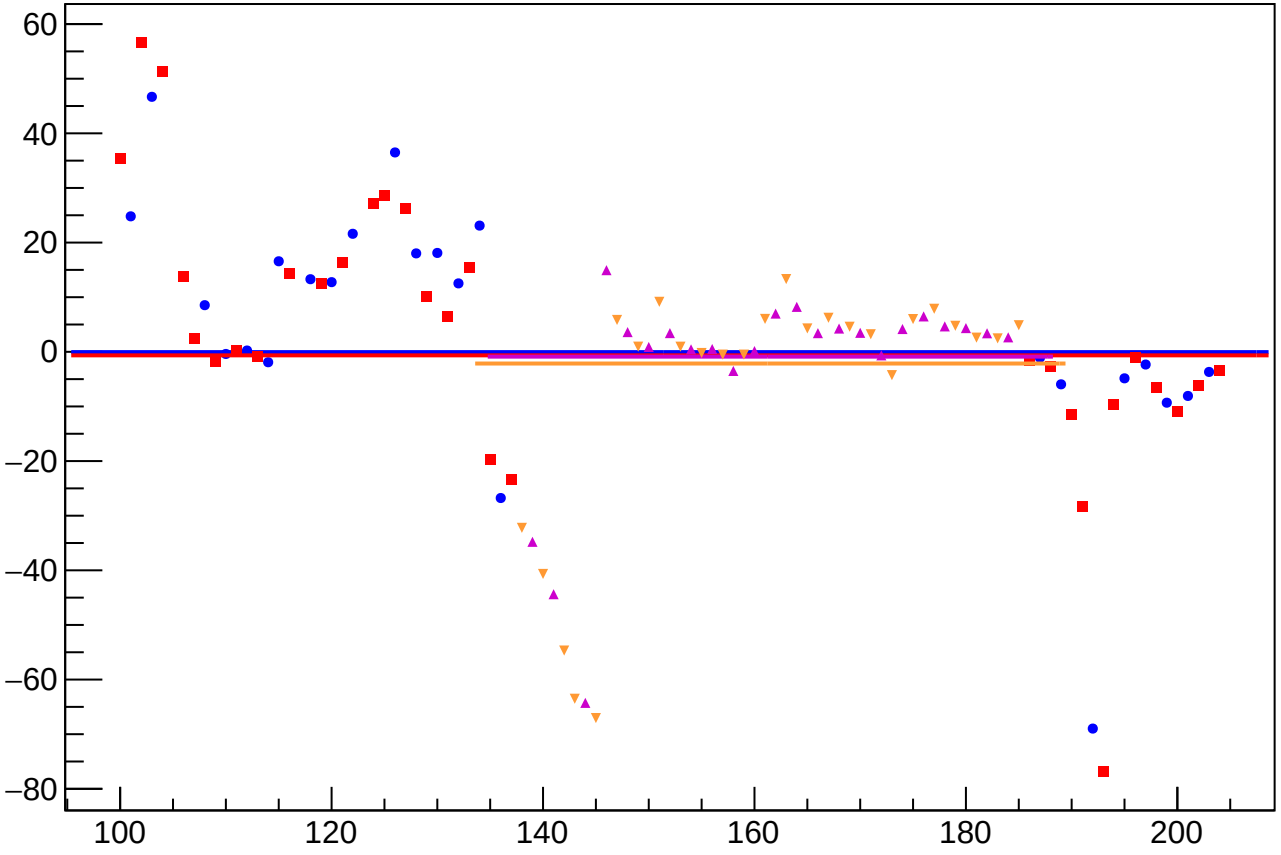
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.371+/-0.027 χ^2/NDF: 12882.8/48

All: 0.352+/-0.019 χ^2/NDF: 25088.3/101

- sign 0.336+/-0.026 χ^2/NDF: 12204.6/52

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -0.054+/-0.046 χ^2/NDF: 116918.9/23

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -0.645+/-0.039 χ^2/NDF: 118254.1/29

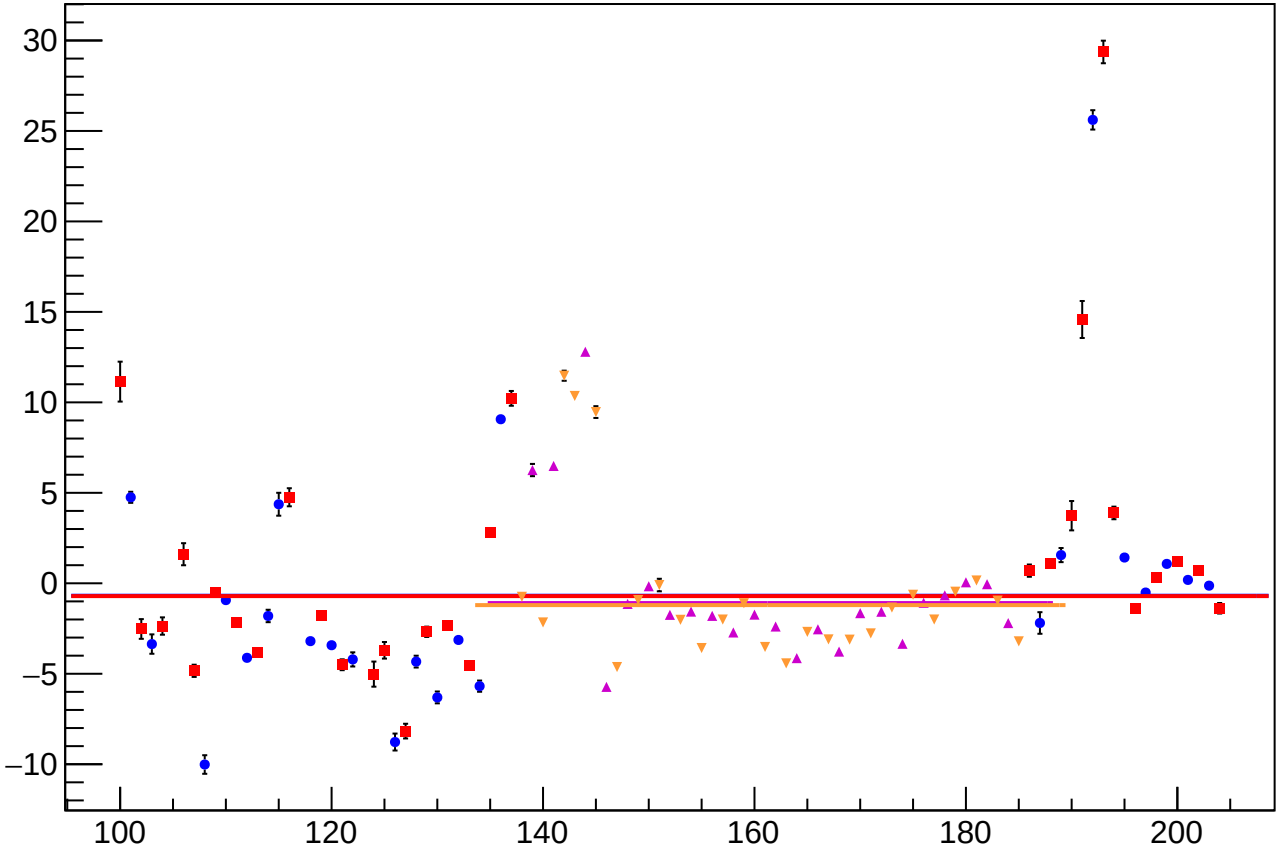
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -1.229+/-0.030 χ^2/NDF: 289368.4/48

All: -0.977+/-0.020 χ^2/NDF: 536967.0/101

- sign -0.763+/-0.028 χ^2/NDF: 247469.9/52

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.687+/-0.058 χ^2/NDF: 7309.0/23

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

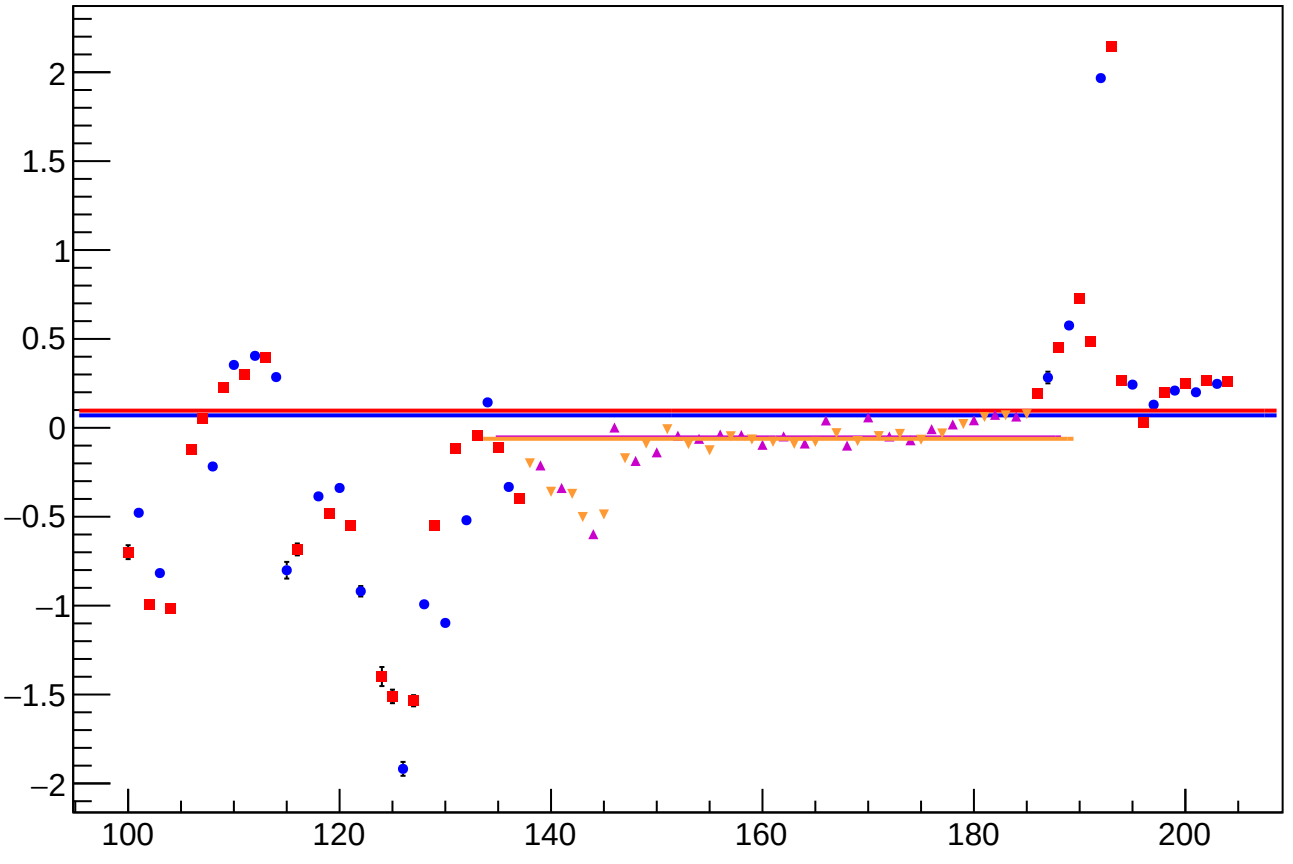
Right Out: -0.708+/-0.053 χ^2/NDF: 5606.1/29

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.058+/-0.031 χ^2/NDF: 14370.1/48

All: -1.016+/-0.021 χ^2/NDF: 27045.6/101

- sign -0.978+/-0.029 χ^2/NDF: 12671.9/52



Right In: 0.070+/-0.003 χ^2/NDF: 33922.2/23

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.097+/-0.002 χ^2/NDF: 34638.9/29

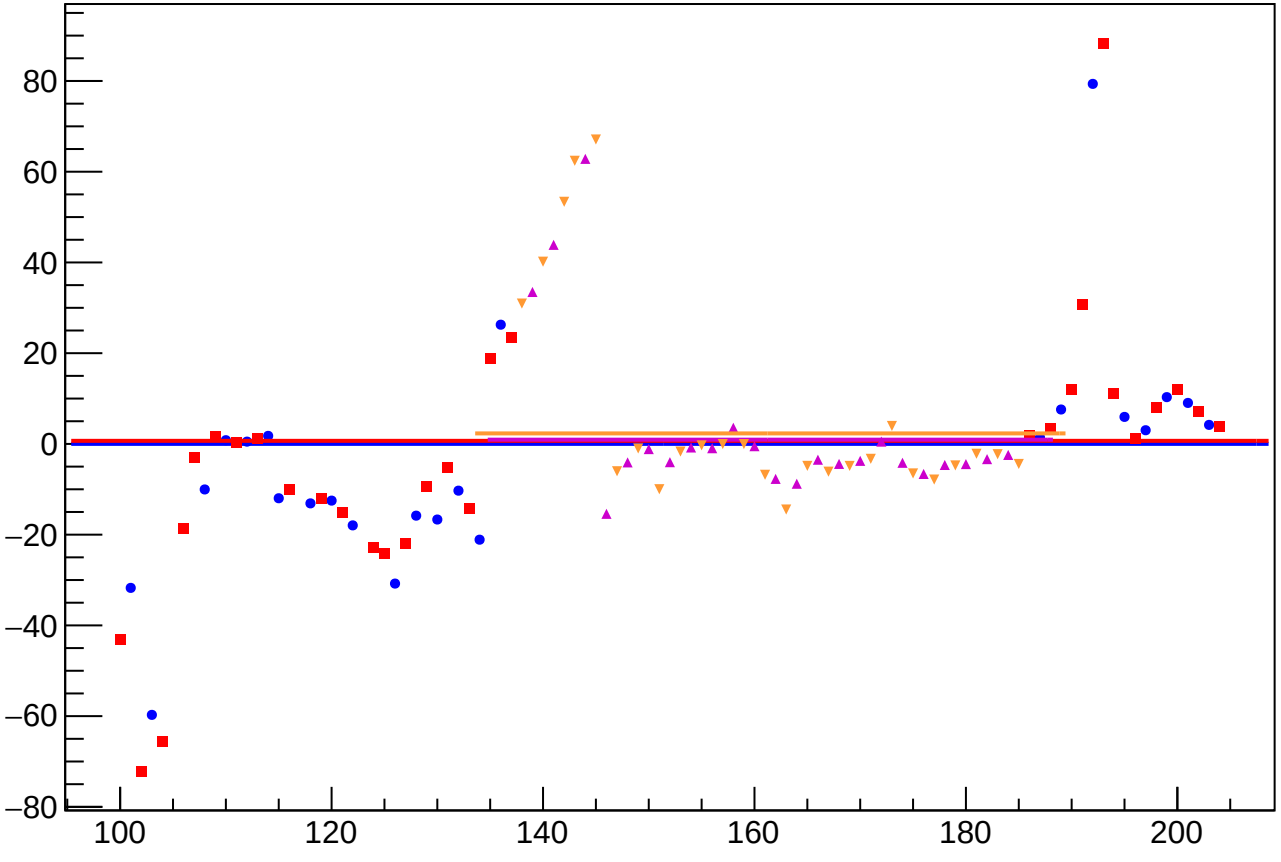
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.026+/-0.001 χ^2/NDF: 41528.9/48

All: -0.019+/-0.001 χ^2/NDF: 84010.9/101

- sign -0.013+/-0.001 χ^2/NDF: 42435.8/52

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 0.012+/-0.044 χ^2/NDF: 118225.2/23

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 0.680+/-0.037 χ^2/NDF: 120396.9/29

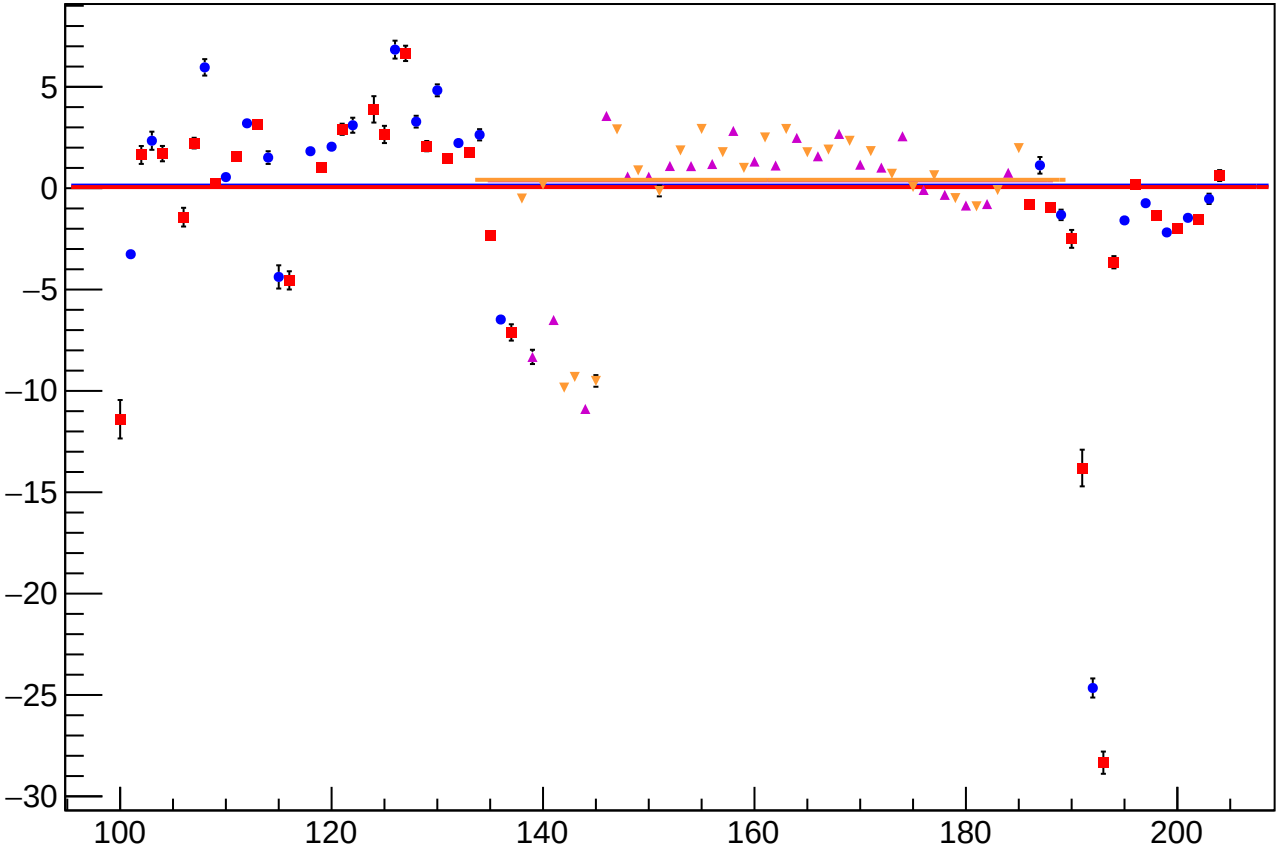
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 1.261+/-0.030 χ^2/NDF: 296483.8/48

All: 1.008+/-0.020 χ^2/NDF: 549442.9/101

- sign 0.797+/-0.027 χ^2/NDF: 252824.3/52

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.128+/-0.049 χ^2/NDF: 5954.9/23

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.055+/-0.045 χ^2/NDF: 5244.0/29

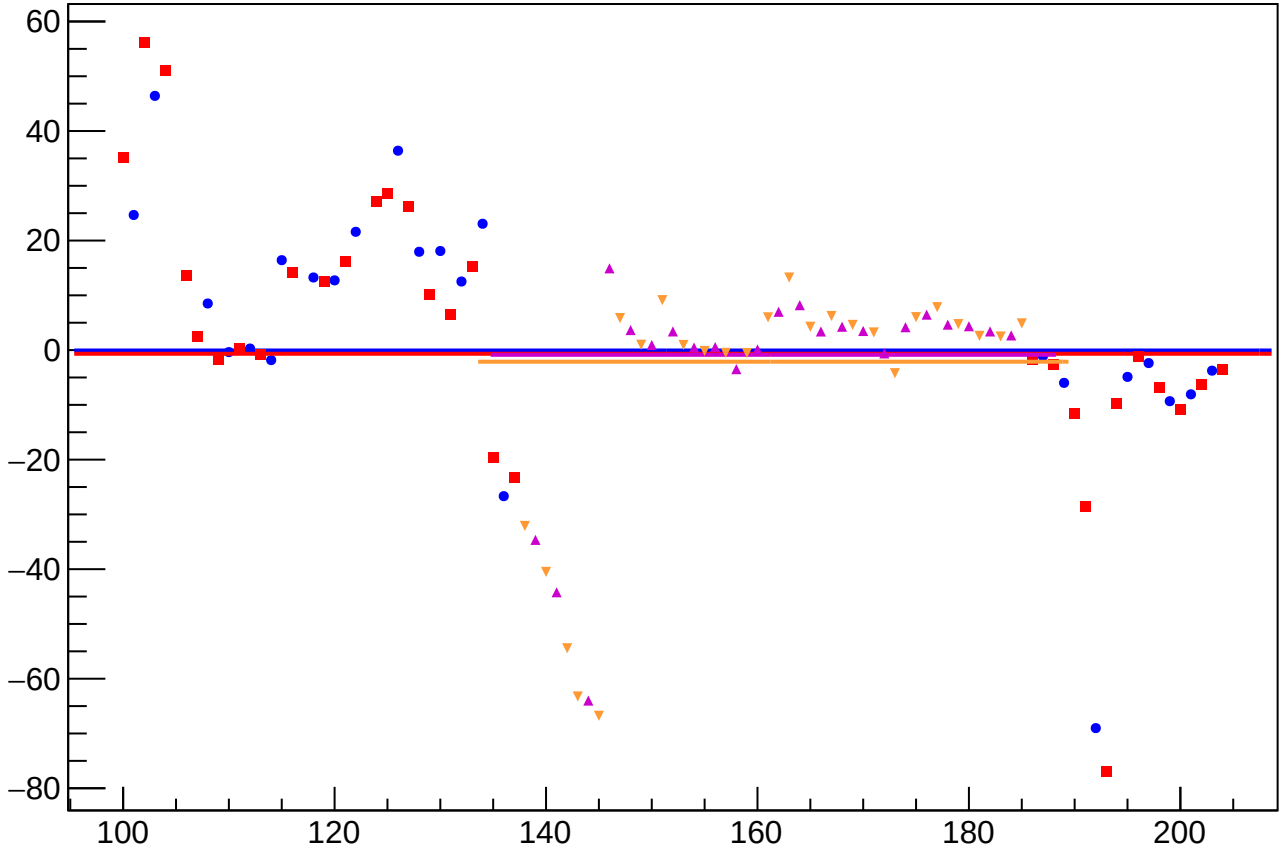
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.326+/-0.027 χ^2/NDF: 13025.7/48

All: 0.302+/-0.019 χ^2/NDF: 25422.0/101

- sign 0.281+/-0.026 χ^2/NDF: 12395.0/52

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -0.071+/-0.045 χ^2/NDF: 117339.1/23

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -0.669+/-0.039 χ^2/NDF: 118758.4/29

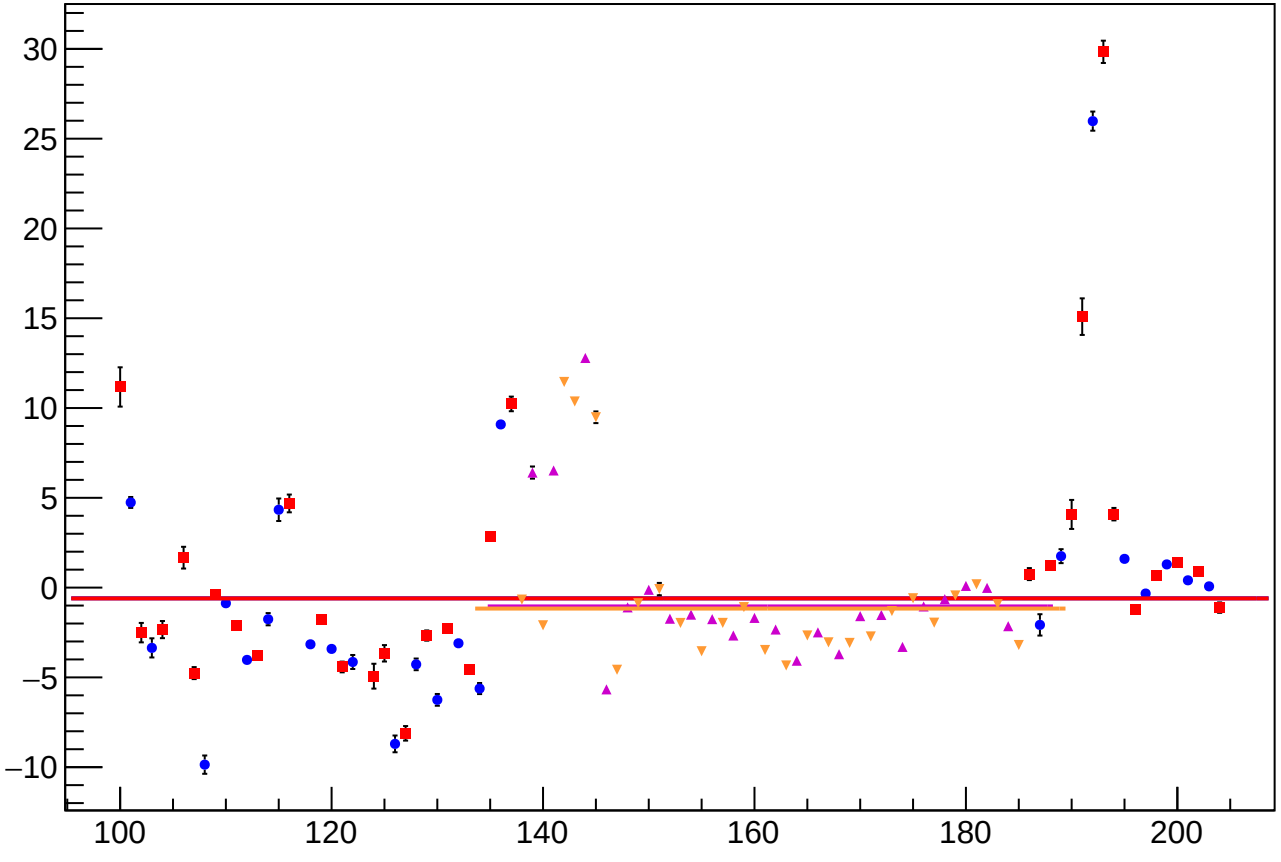
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -1.221+/-0.030 χ^2/NDF: 289521.7/48

All: -0.973+/-0.020 χ^2/NDF: 537502.4/101

- sign -0.763+/-0.028 χ^2/NDF: 247855.1/52

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.597+/-0.057 χ^2/NDF: 7423.1/23

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

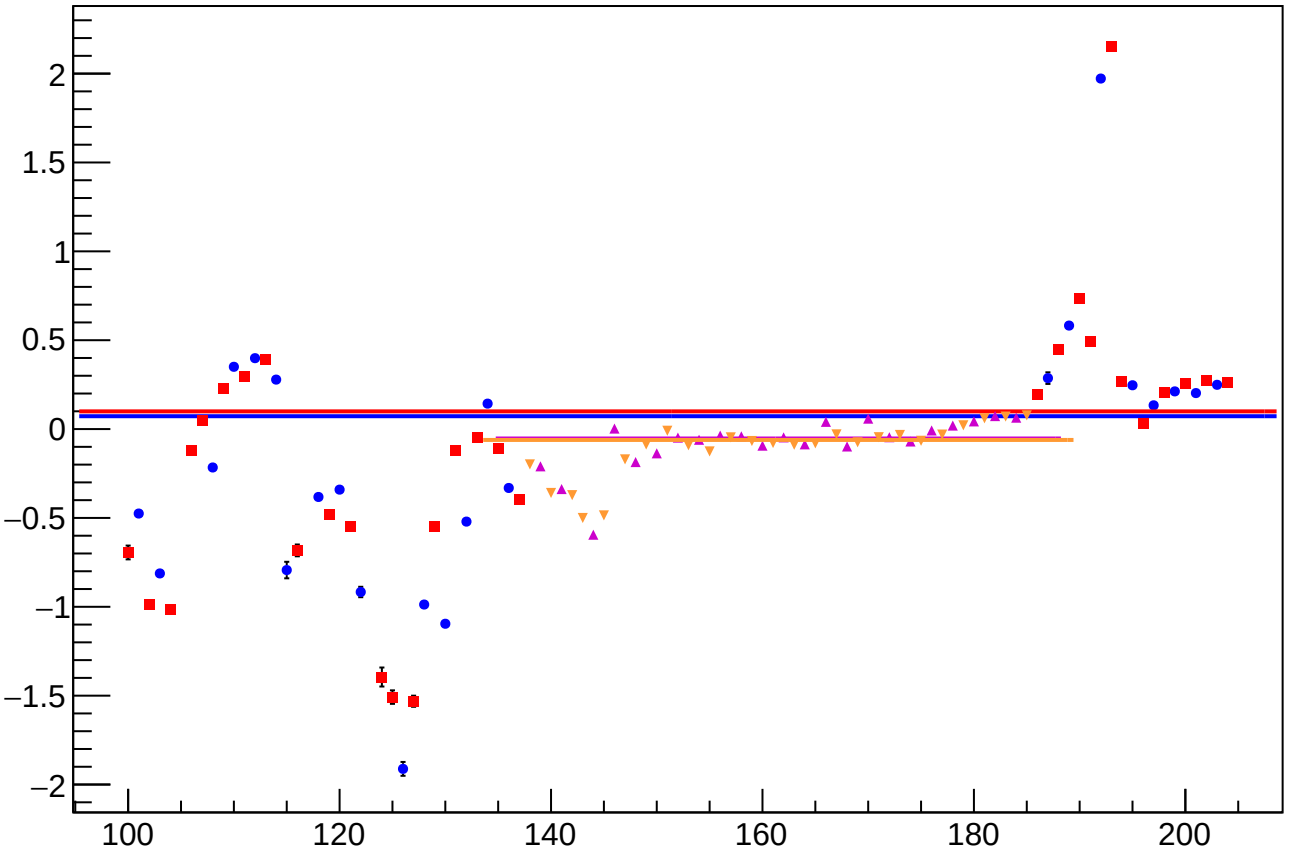
Right Out: -0.603+/-0.053 χ^2/NDF: 5763.4/29

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.005+/-0.031 χ^2/NDF: 14495.4/48

All: -0.957+/-0.021 χ^2/NDF: 27353.5/101

- sign -0.914+/-0.029 χ^2/NDF: 12853.6/52



Right In: 0.072+/-0.003 χ^2/NDF: 34195.2/23

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.100+/-0.002 χ^2/NDF: 34949.4/29

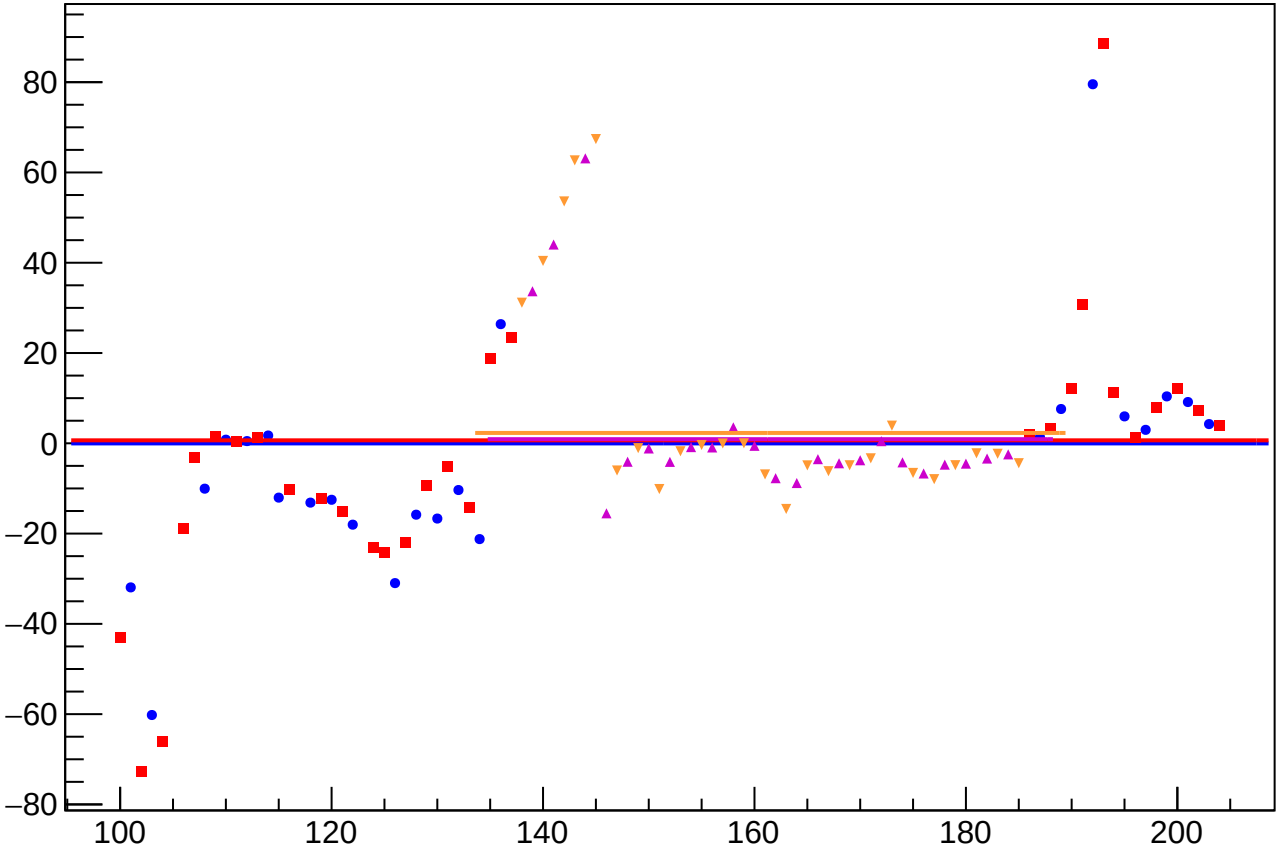
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.024+/-0.001 χ^2/NDF: 41889.7/48

All: -0.018+/-0.001 χ^2/NDF: 84761.2/101

- sign -0.011+/-0.001 χ^2/NDF: 42821.8/52

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -0.025+/-0.044 χ^2/NDF: 118265.7/23

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 0.659+/-0.037 χ^2/NDF: 120443.4/29

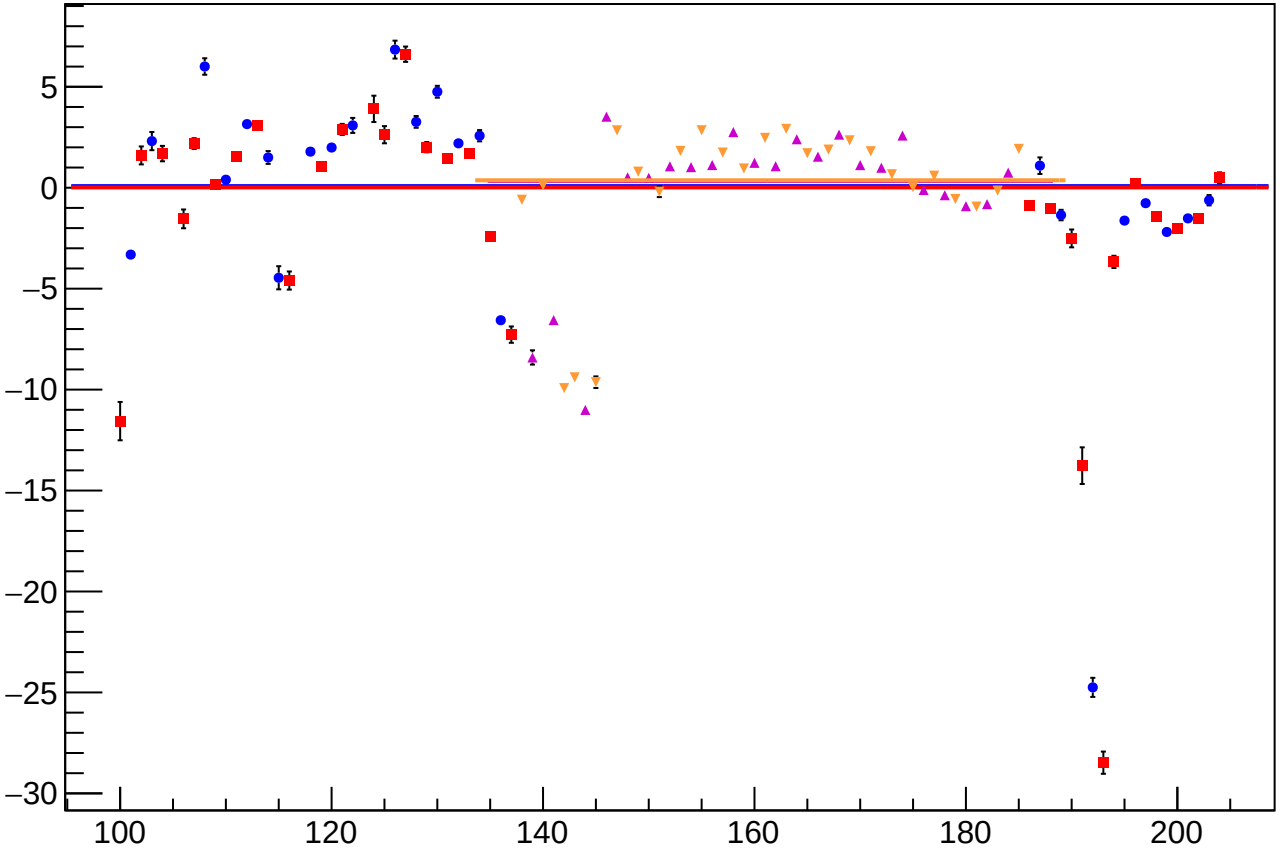
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 1.236+/-0.030 χ^2/NDF: 296967.1/48

All: 0.984+/-0.020 χ^2/NDF: 550137.1/101

- sign 0.775+/-0.027 χ^2/NDF: 253038.9/52

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.079+/-0.049 χ^2/NDF: 5939.9/23

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.015+/-0.046 χ^2/NDF: 5237.0/29

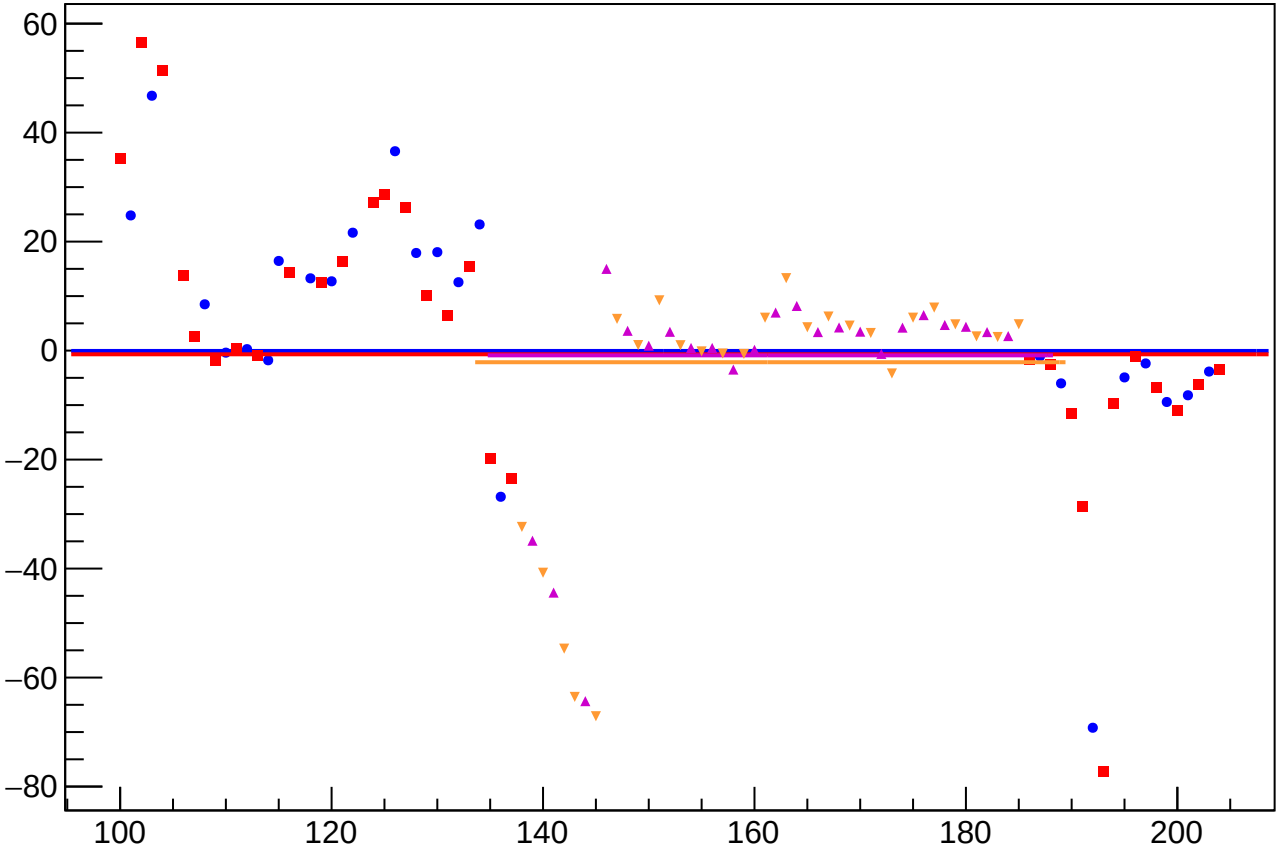
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.279+/-0.027 χ^2/NDF: 13031.6/48

All: 0.255+/-0.019 χ^2/NDF: 25398.0/101

- sign 0.233+/-0.026 χ^2/NDF: 12364.9/52

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -0.066+/-0.046 χ^2/NDF: 117392.8/23

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -0.678+/-0.039 χ^2/NDF: 118827.4/29

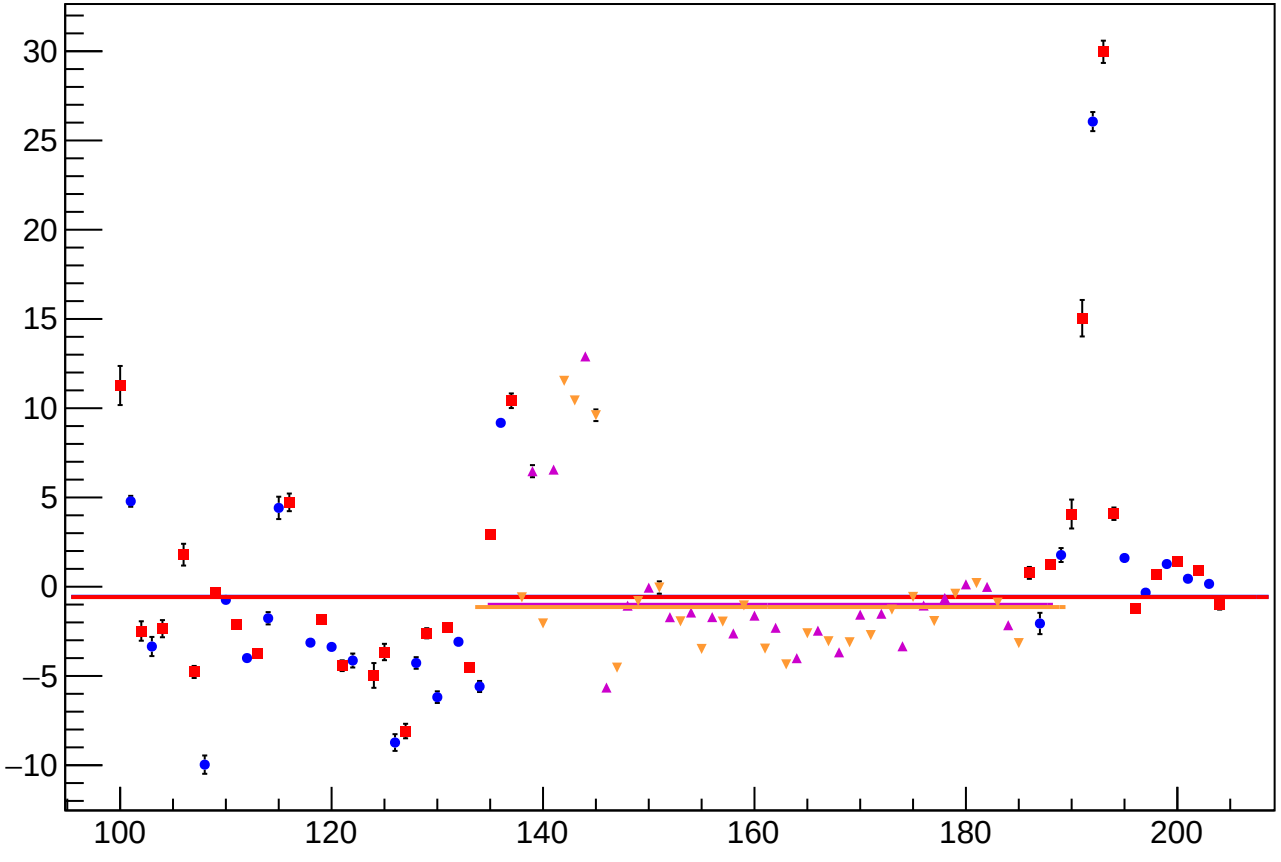
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -1.229+/-0.030 χ^2/NDF: 290011.0/48

All: -0.983+/-0.020 χ^2/NDF: 538236.6/101

- sign -0.774+/-0.028 χ^2/NDF: 248103.0/52

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.563+/-0.058 χ^2/NDF: 7416.5/23

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

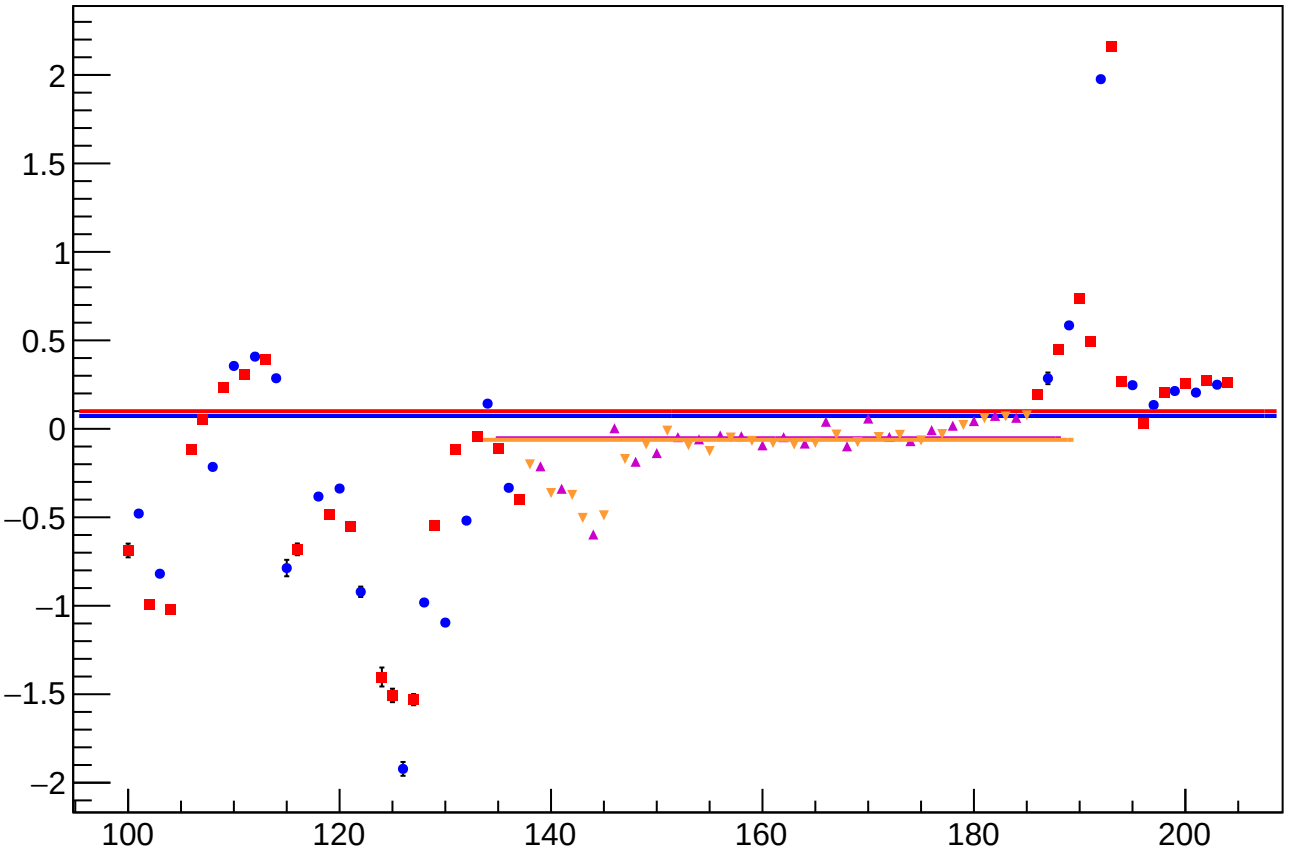
Right Out: -0.581+/-0.053 χ^2/NDF: 5768.3/29

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -0.976+/-0.031 χ^2/NDF: 14511.1/48

All: -0.927+/-0.021 χ^2/NDF: 27357.4/101

- sign -0.884+/-0.029 χ^2/NDF: 12841.6/52



Right In: 0.072+/-0.003 χ^2/NDF: 34189.1/23

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.100+/-0.002 χ^2/NDF: 34912.4/29

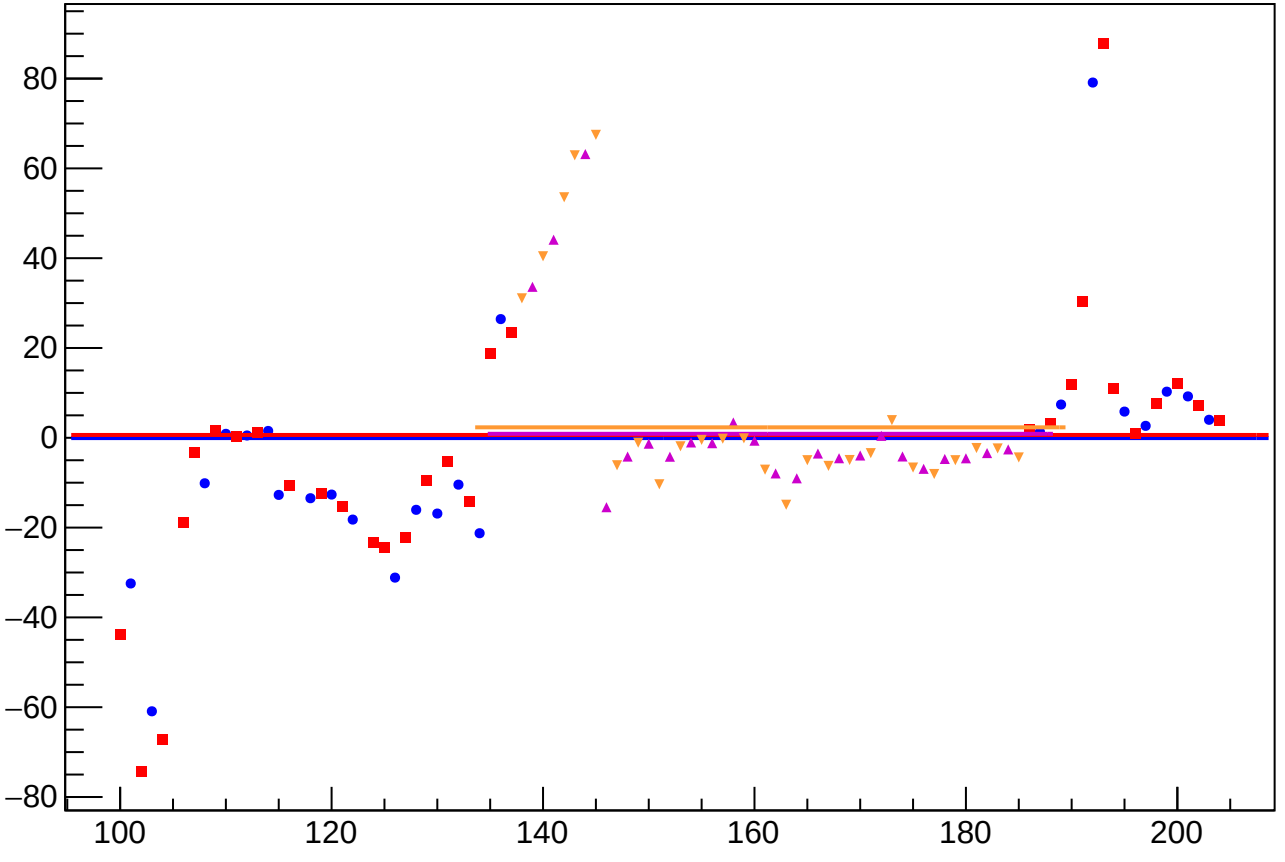
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

\+ sign -0.025+/-0.001 χ^2/NDF: 41897.1/48

All: -0.018+/-0.001 χ^2/NDF: 84702.1/101

\- sign -0.012+/-0.001 χ^2/NDF: 42751.9/52

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -0.066+/-0.045 χ^2/NDF: 116406.7/23

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 0.630+/-0.037 χ^2/NDF: 118797.1/29

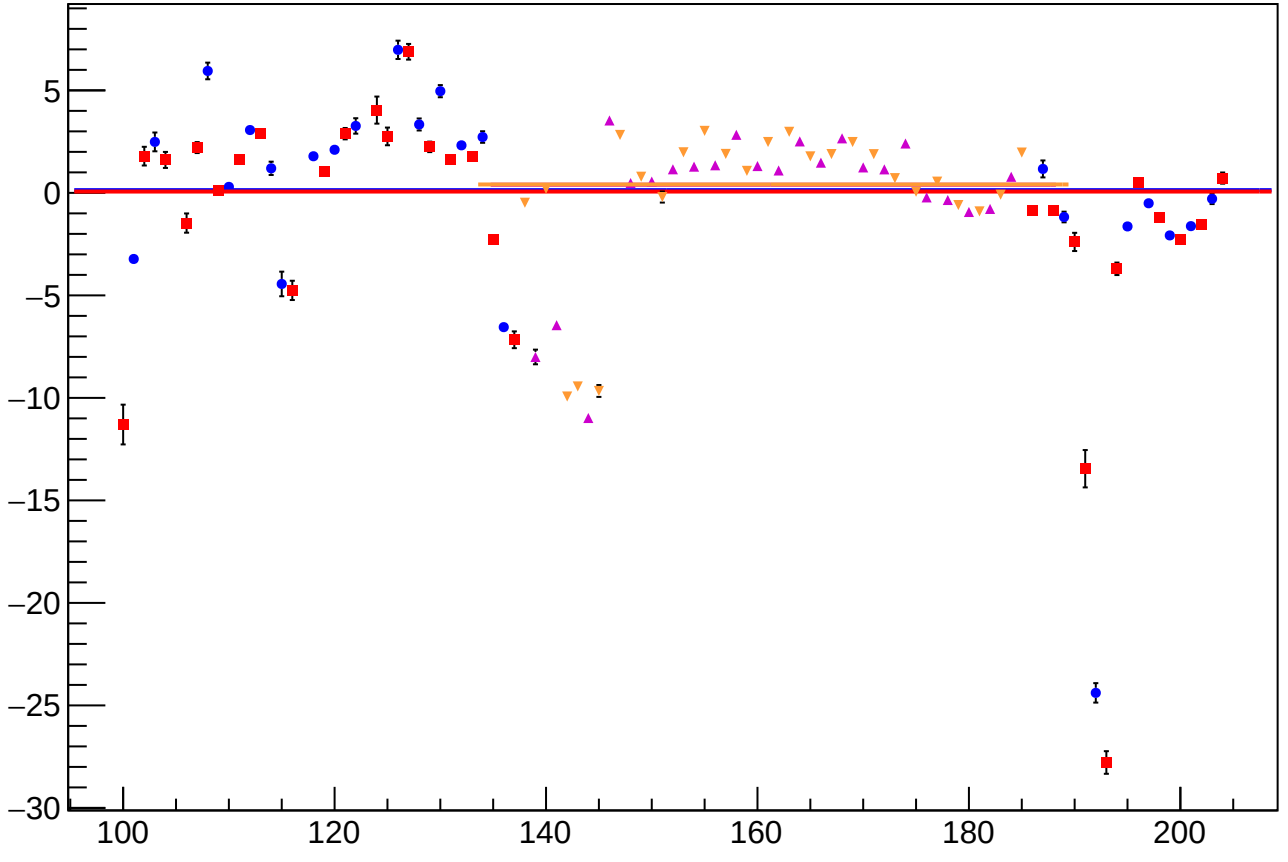
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 1.229+/-0.030 χ^2/NDF: 292615.6/48

All: 0.966+/-0.020 χ^2/NDF: 541989.6/101

- sign 0.748+/-0.028 χ^2/NDF: 249235.8/52

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.134+/-0.050 χ^2/NDF: 5779.9/23

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.065+/-0.046 χ^2/NDF: 5042.7/29

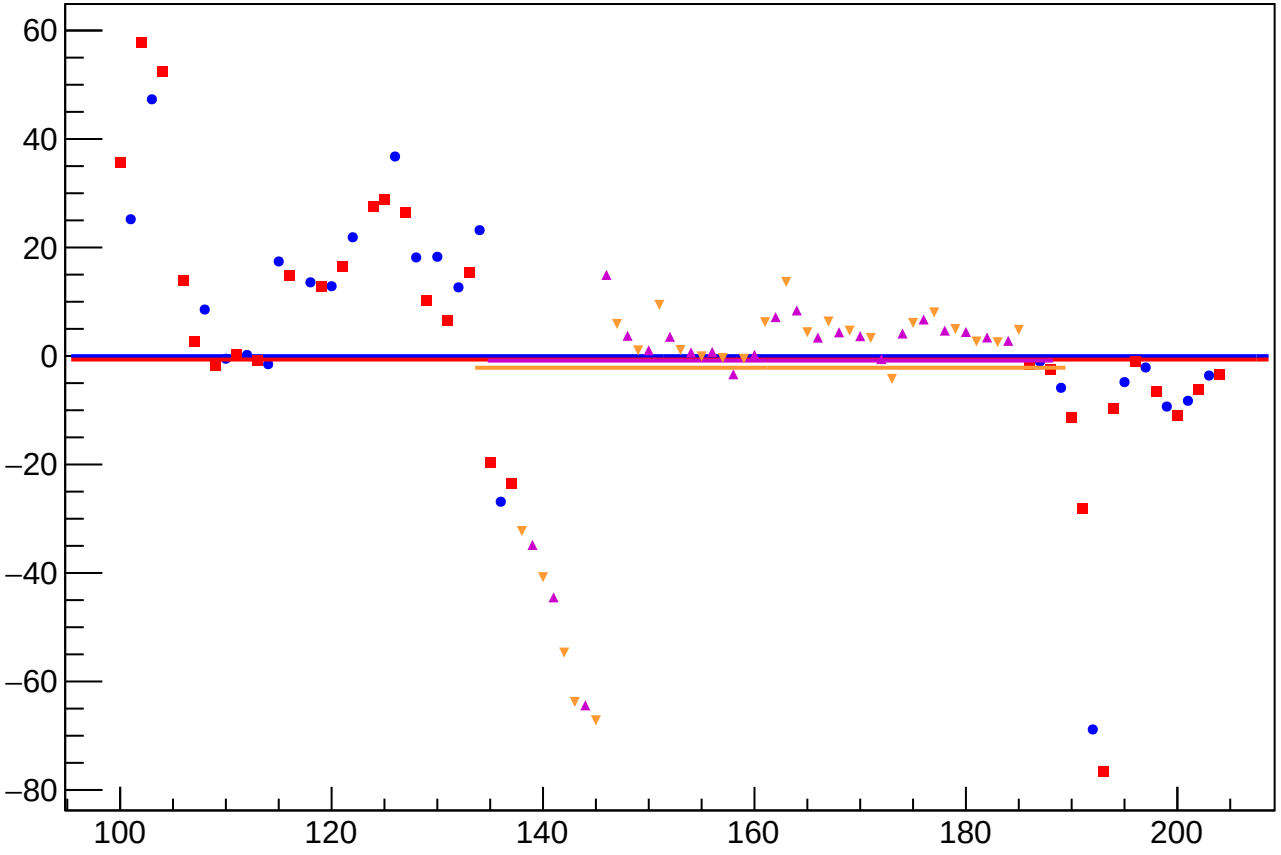
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.324+/-0.028 χ^2/NDF: 12848.8/48

All: 0.305+/-0.019 χ^2/NDF: 24859.1/101

- sign 0.289+/-0.026 χ^2/NDF: 12009.4/52

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -0.032+/-0.046 χ^2/NDF: 115569.5/23

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -0.653+/-0.040 χ^2/NDF: 117188.6/29

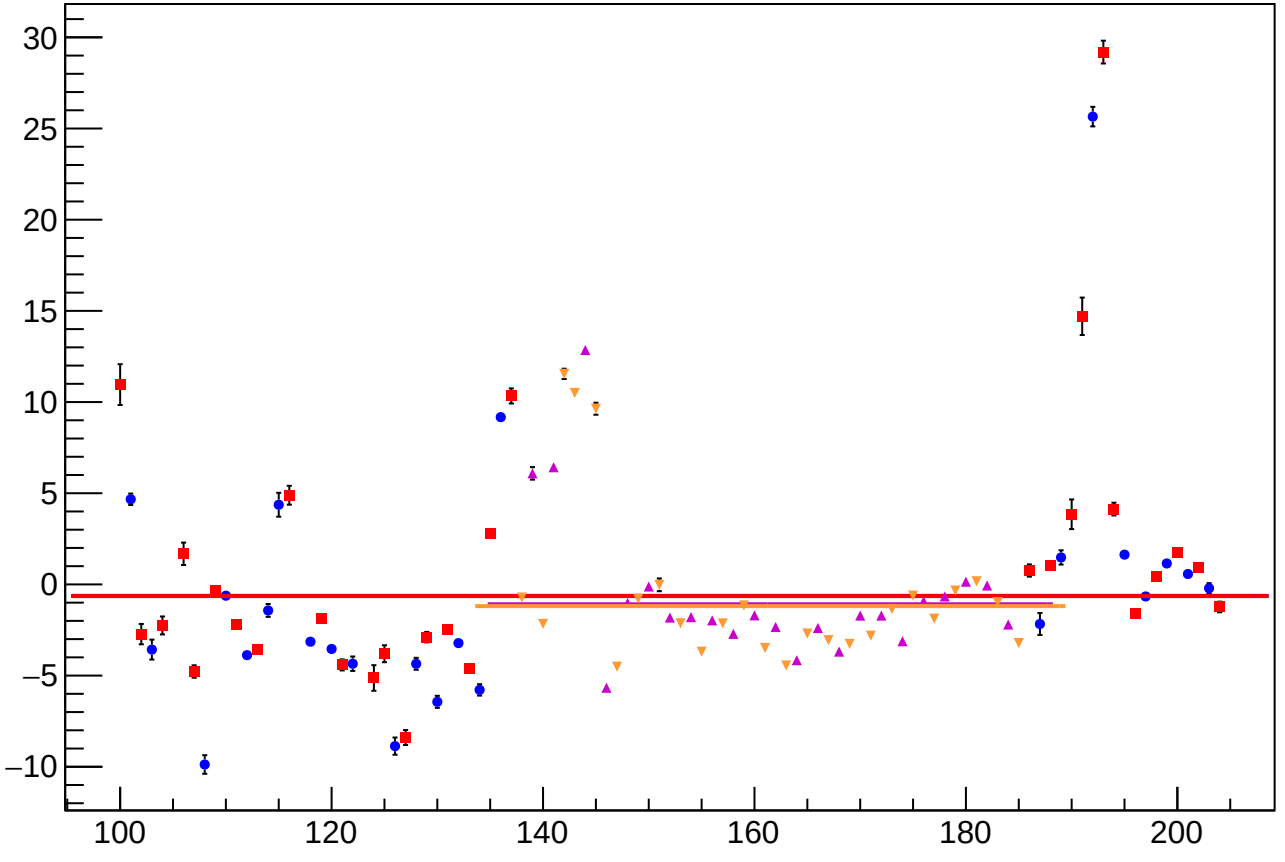
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -1.224+/-0.031 χ^2/NDF: 285748.2/48

All: -0.965+/-0.021 χ^2/NDF: 530214.2/101

- sign -0.747+/-0.028 χ^2/NDF: 244335.2/52

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.628+/-0.058 χ^2/NDF: 7255.2/23

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

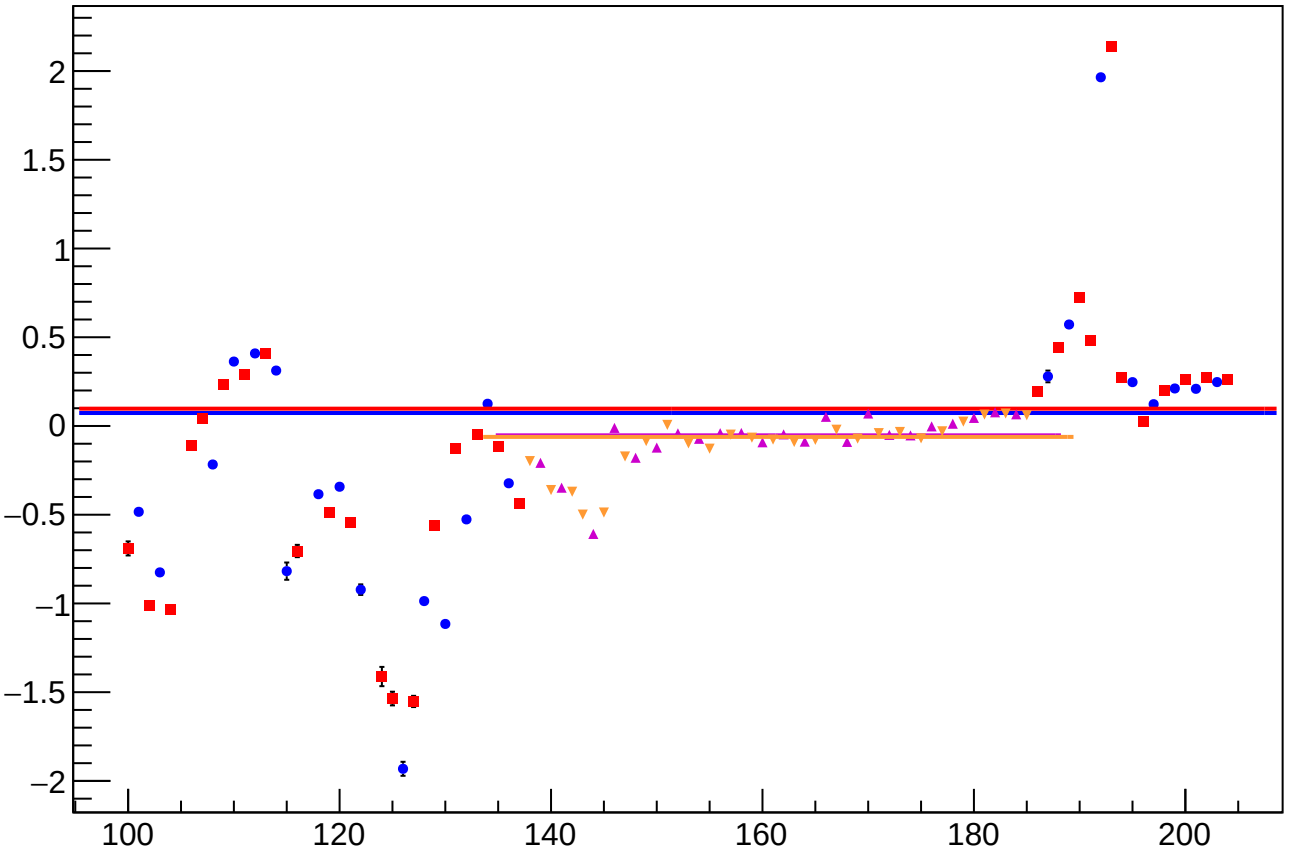
Right Out: -0.641+/-0.054 χ^2/NDF: 5579.5/29

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.029+/-0.031 χ^2/NDF: 14317.3/48

All: -0.990+/-0.022 χ^2/NDF: 26788.5/101

- sign -0.954+/-0.030 χ^2/NDF: 12468.2/52



Right In: 0.073+/-0.003 χ^2/NDF: 33468.6/23

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.098+/-0.002 χ^2/NDF: 34475.0/29

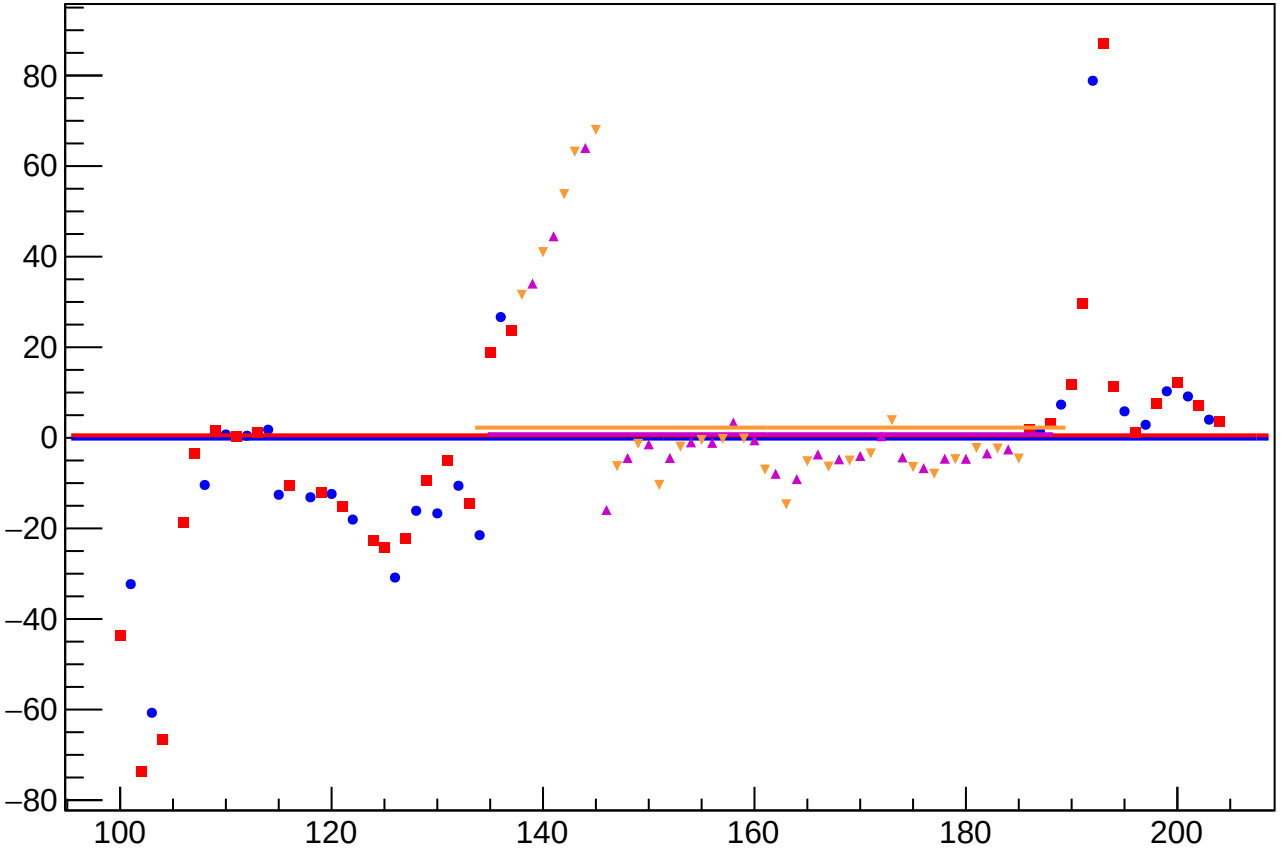
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.024+/-0.001 χ^2/NDF: 40957.3/48

All: -0.017+/-0.001 χ^2/NDF: 83195.3/101

- sign -0.011+/-0.001 χ^2/NDF: 42190.6/52

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -0.168+/-0.045 χ^2/NDF: 114678.7/23

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 0.549+/-0.038 χ^2/NDF: 116600.3/29

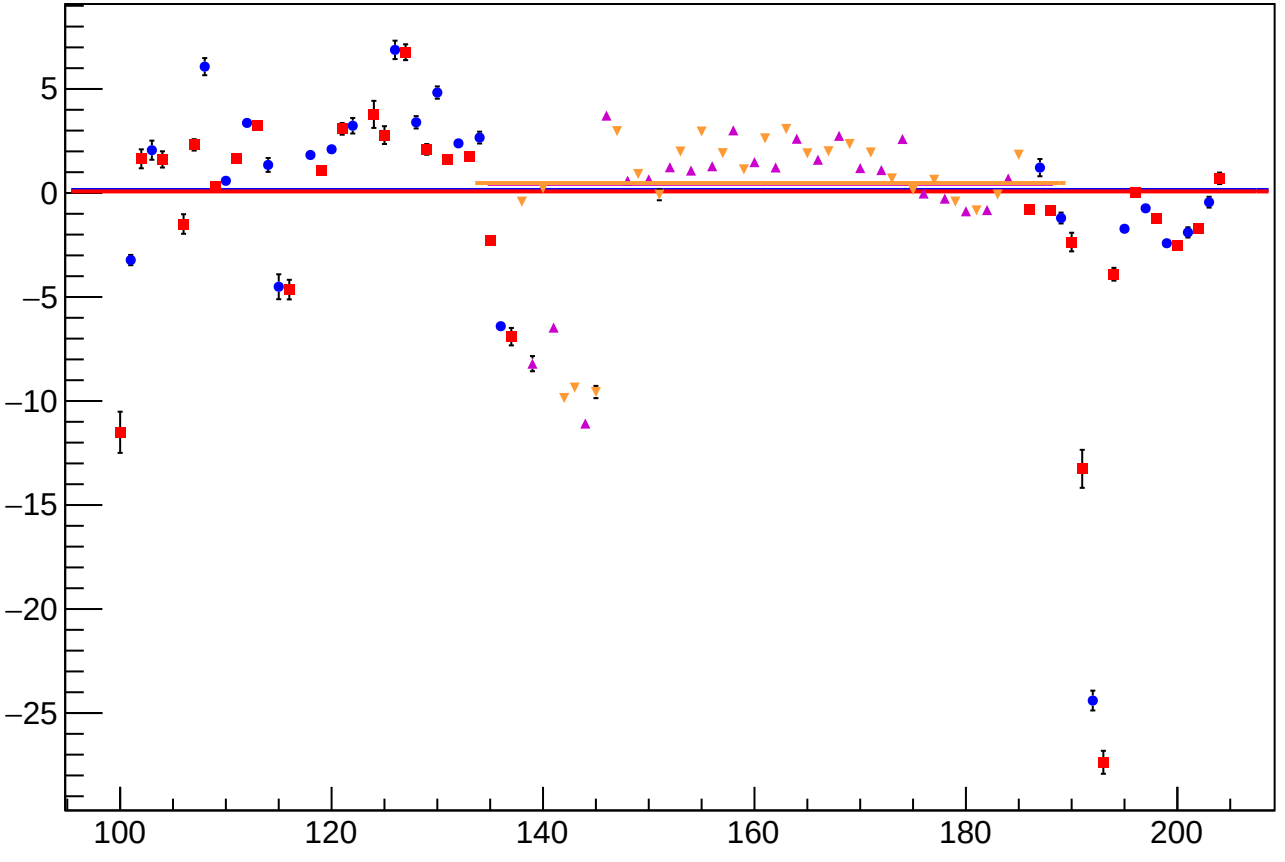
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 1.149+/-0.031 χ^2/NDF: 287906.4/48

All: 0.884+/-0.021 χ^2/NDF: 533491.5/101

- sign 0.662+/-0.028 χ^2/NDF: 245447.6/52

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.145+/-0.050 χ^2/NDF: 5771.3/23

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.076+/-0.047 χ^2/NDF: 4964.0/29

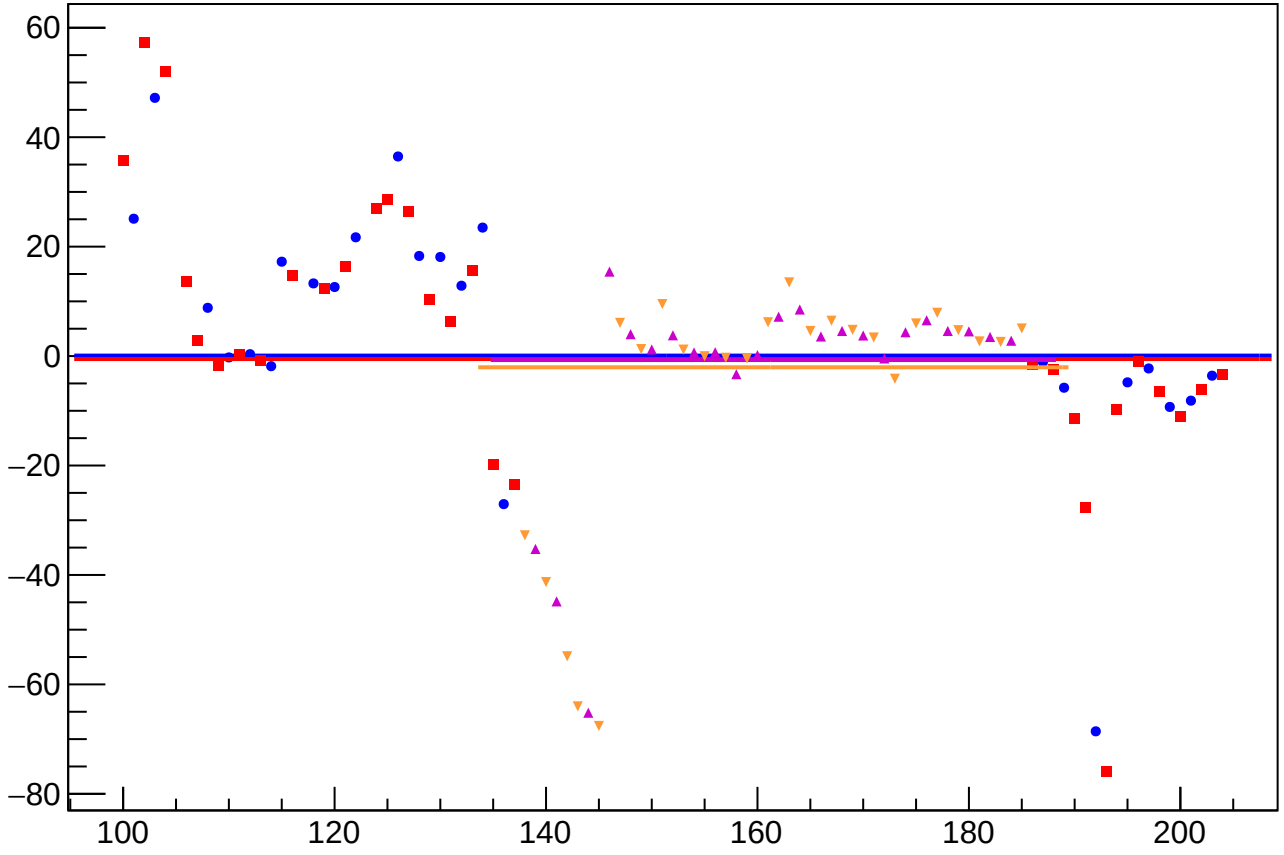
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.375+/-0.028 χ^2/NDF: 12609.5/48

All: 0.347+/-0.019 χ^2/NDF: 24510.1/101

- sign 0.322+/-0.027 χ^2/NDF: 11898.7/52

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 0.086+/-0.047 χ^2/NDF: 113833.0/23

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -0.540+/-0.040 χ^2/NDF: 115020.9/29

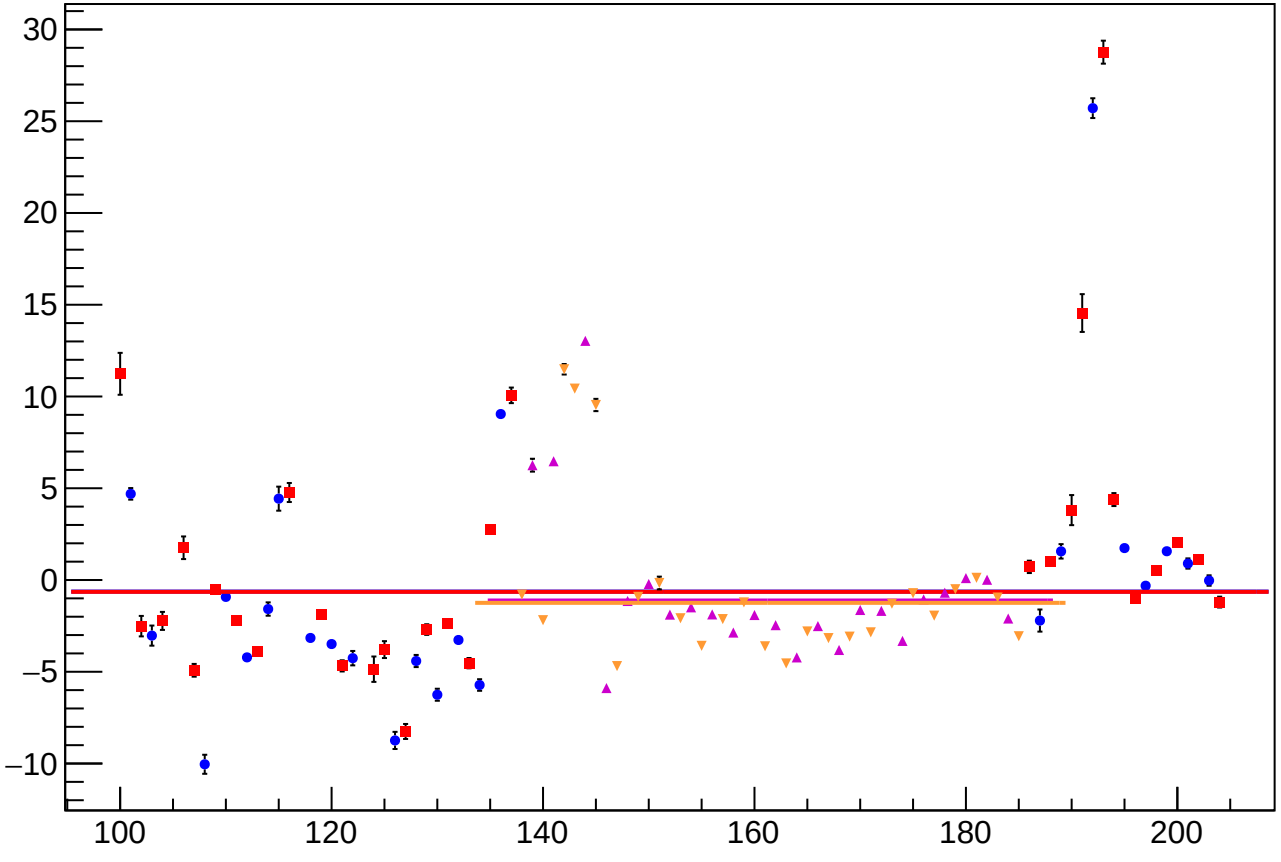
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -1.112+/-0.031 χ^2/NDF: 281010.5/48

All: -0.851+/-0.021 χ^2/NDF: 521703.1/101

- sign -0.630+/-0.029 χ^2/NDF: 240562.0/52

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.629+/-0.059 χ^2/NDF: 7153.8/23

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

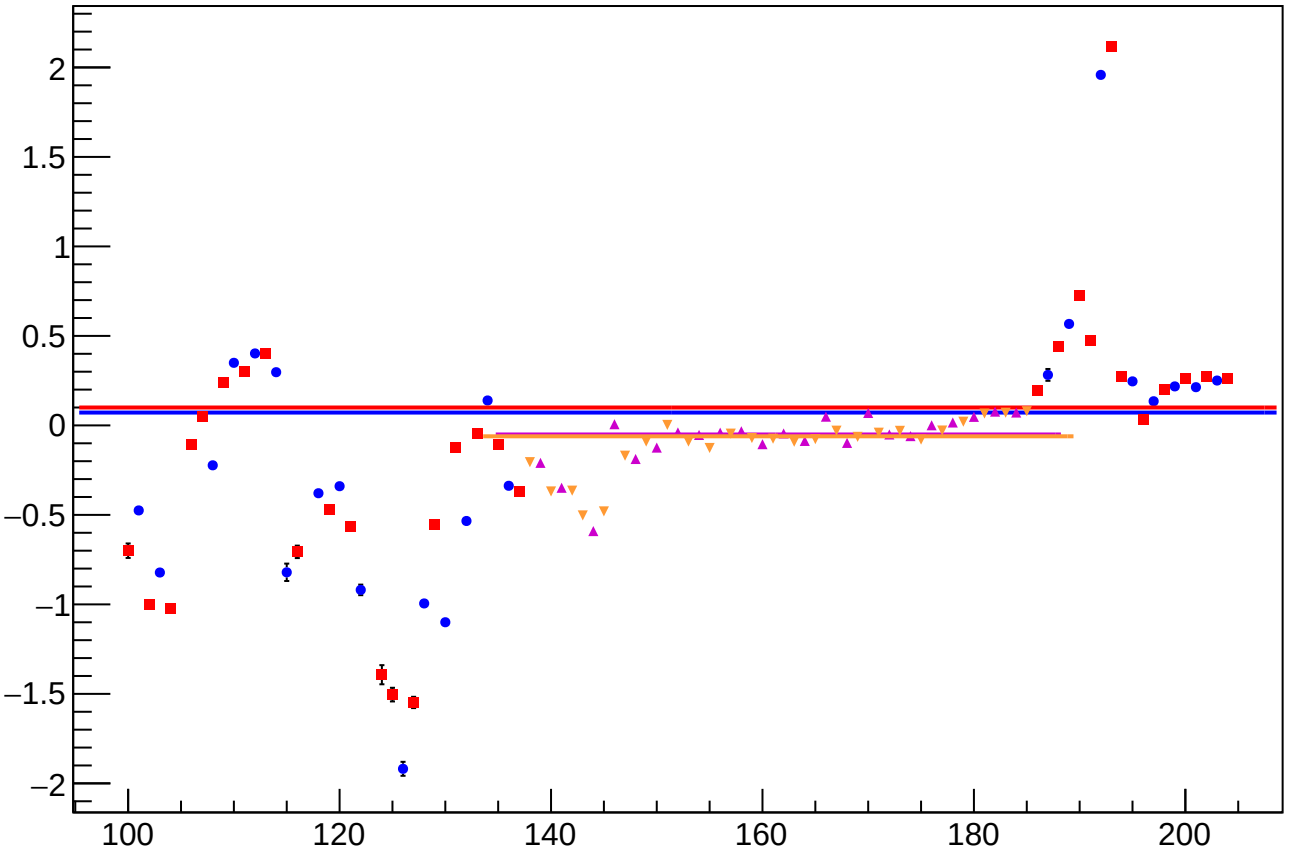
Right Out: -0.644+/-0.055 χ^2/NDF: 5453.8/29

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.069+/-0.032 χ^2/NDF: 14000.0/48

All: -1.019+/-0.022 χ^2/NDF: 26350.7/101

- sign -0.975+/-0.030 χ^2/NDF: 12346.1/52



Right In: 0.072+/-0.003 χ^2/NDF: 33126.6/23

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

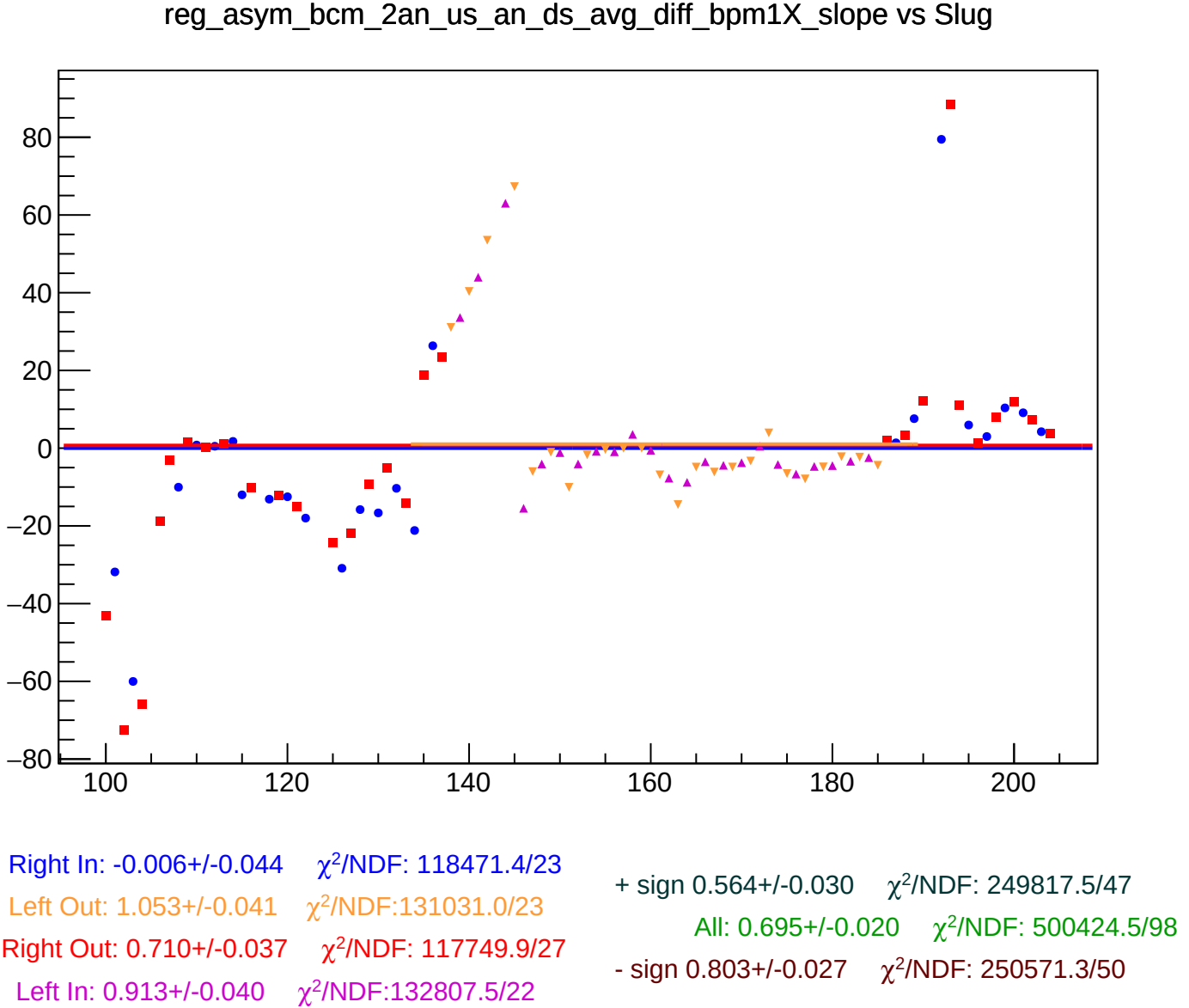
Right Out: 0.100+/-0.003 χ^2/NDF: 33548.4/29

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

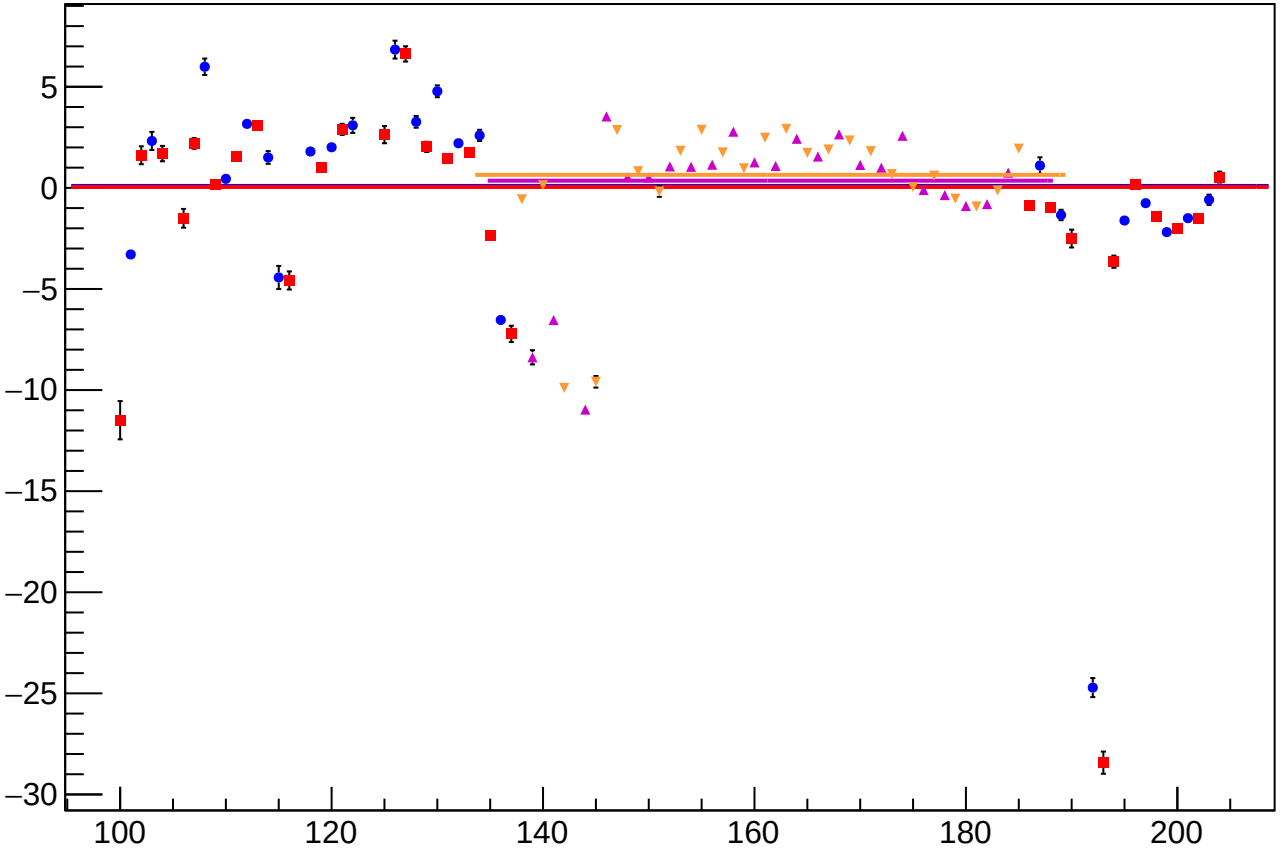
+ sign -0.024+/-0.001 χ^2/NDF: 40433.2/48

All: -0.016+/-0.001 χ^2/NDF: 81538.1/101

- sign -0.009+/-0.001 χ^2/NDF: 41044.3/52


reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug
80
60
40
20
0
−20
−40
−60
−80
100
120
140
160
180
200
Right In: -0.006+/-0.044 χ²/NDF: 118471.4/23
Left Out: 1.053+/-0.041 χ²/NDF:131031.0/23
Right Out: 0.710+/-0.037 χ²/NDF: 117749.9/27
Left In: 0.913+/-0.040 χ²/NDF:132807.5/22
+ sign 0.564+/-0.030 χ²/NDF: 249817.5/47
All: 0.695+/-0.020 χ²/NDF: 500424.5/98
- sign 0.803+/-0.027 χ²/NDF: 250571.3/50

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.095+/-0.049 χ^2/NDF: 5956.2/23

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

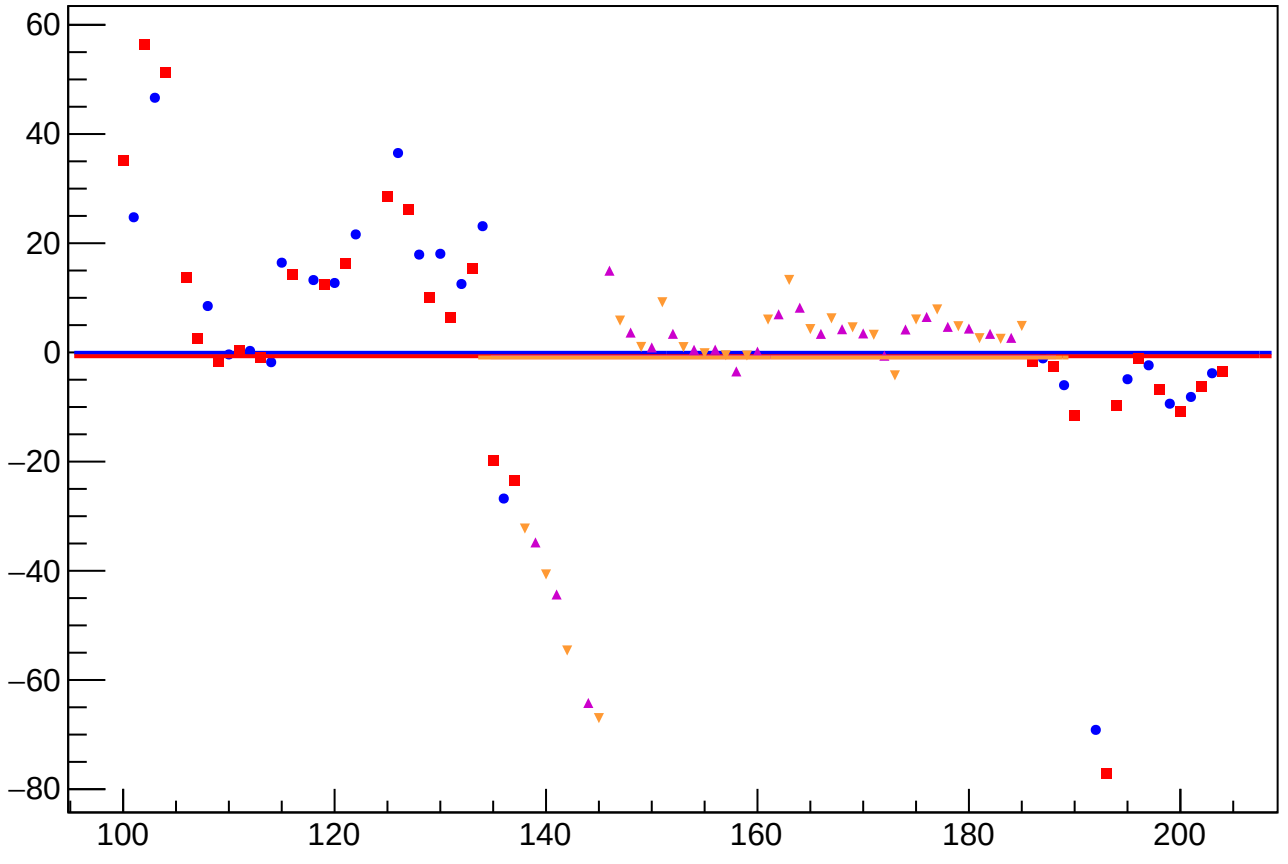
Right Out: 0.046+/-0.046 χ^2/NDF: 4981.2/27

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.472+/-0.027 χ^2/NDF: 10753.0/47

All: 0.357+/-0.019 χ^2/NDF: 22915.2/98

- sign 0.256+/-0.026 χ^2/NDF: 12129.6/50



Right In: -0.074+/-0.045 χ^2/NDF: 117592.3/23

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

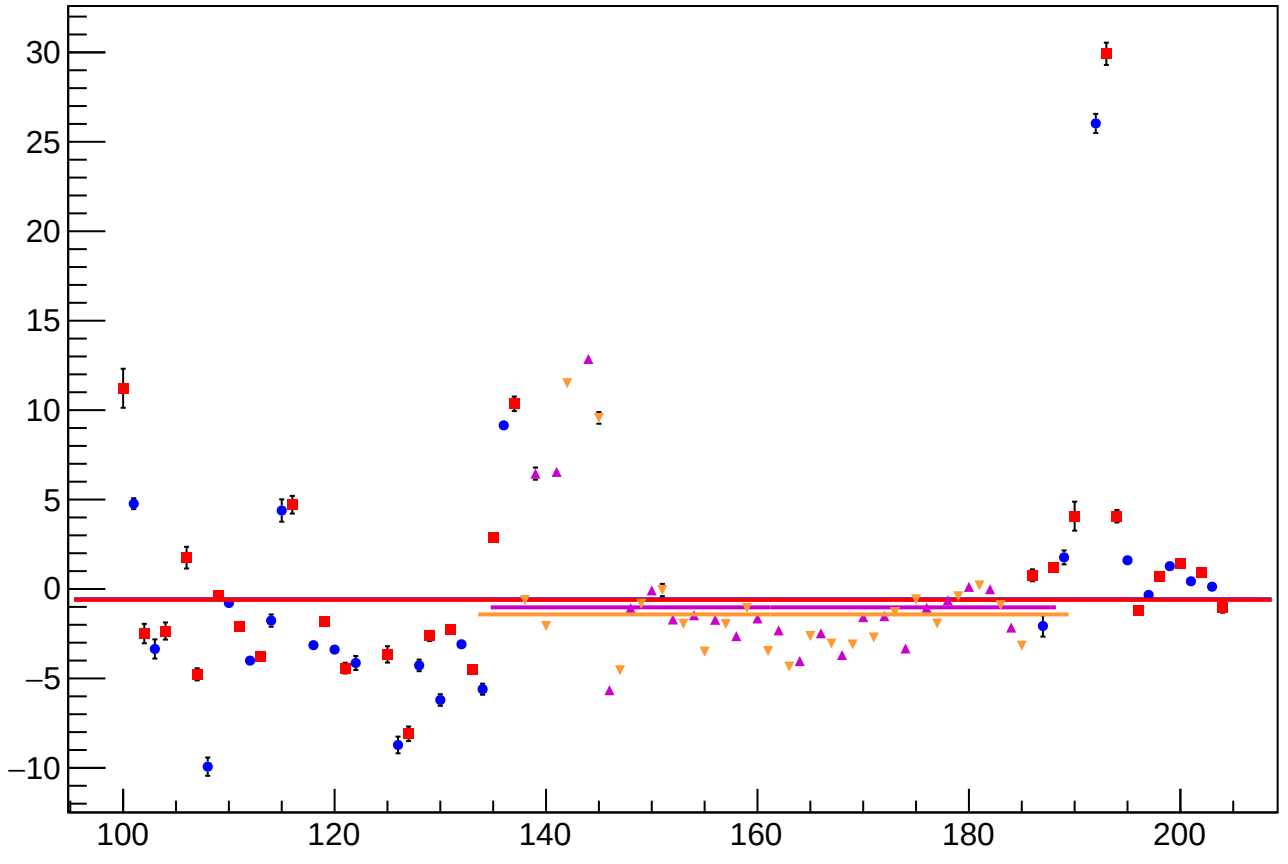
Right Out: -0.697+/-0.039 χ^2/NDF: 116229.2/27

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign -0.551+/-0.030 χ^2/NDF: 244167.8/47

All: -0.675+/-0.020 χ^2/NDF: 489921.5/98

- sign -0.779+/-0.028 χ^2/NDF: 245722.8/50



Right In: -0.574+/-0.057 χ^2/NDF: 7434.0/23

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

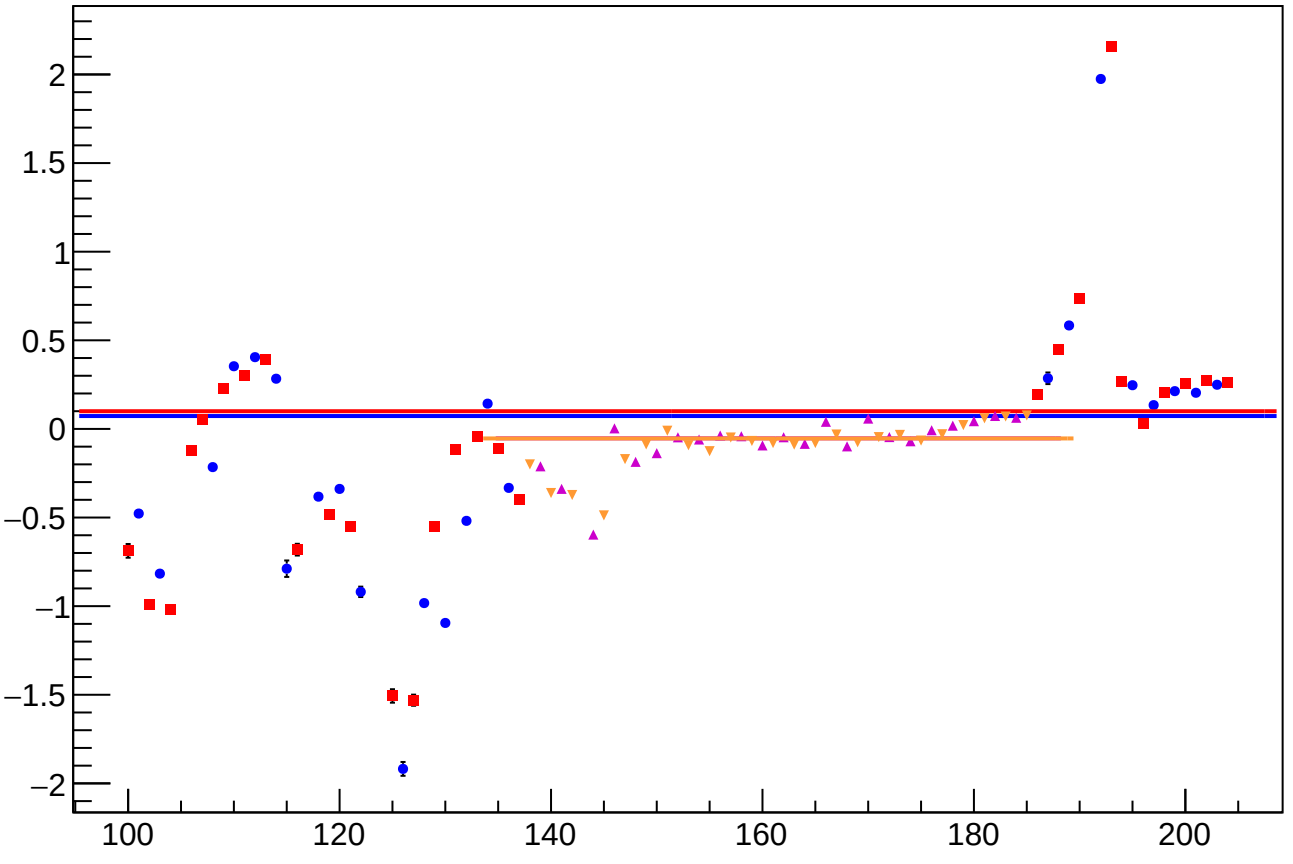
Right Out: -0.606+/-0.053 χ^2/NDF: 5503.1/27

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.175+/-0.031 χ^2/NDF: 12230.5/47

All: -1.030+/-0.021 χ^2/NDF: 24866.1/98

- sign -0.901+/-0.029 χ^2/NDF: 12593.8/50



Right In: 0.073+/-0.003 χ^2/NDF: 34250.9/23

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

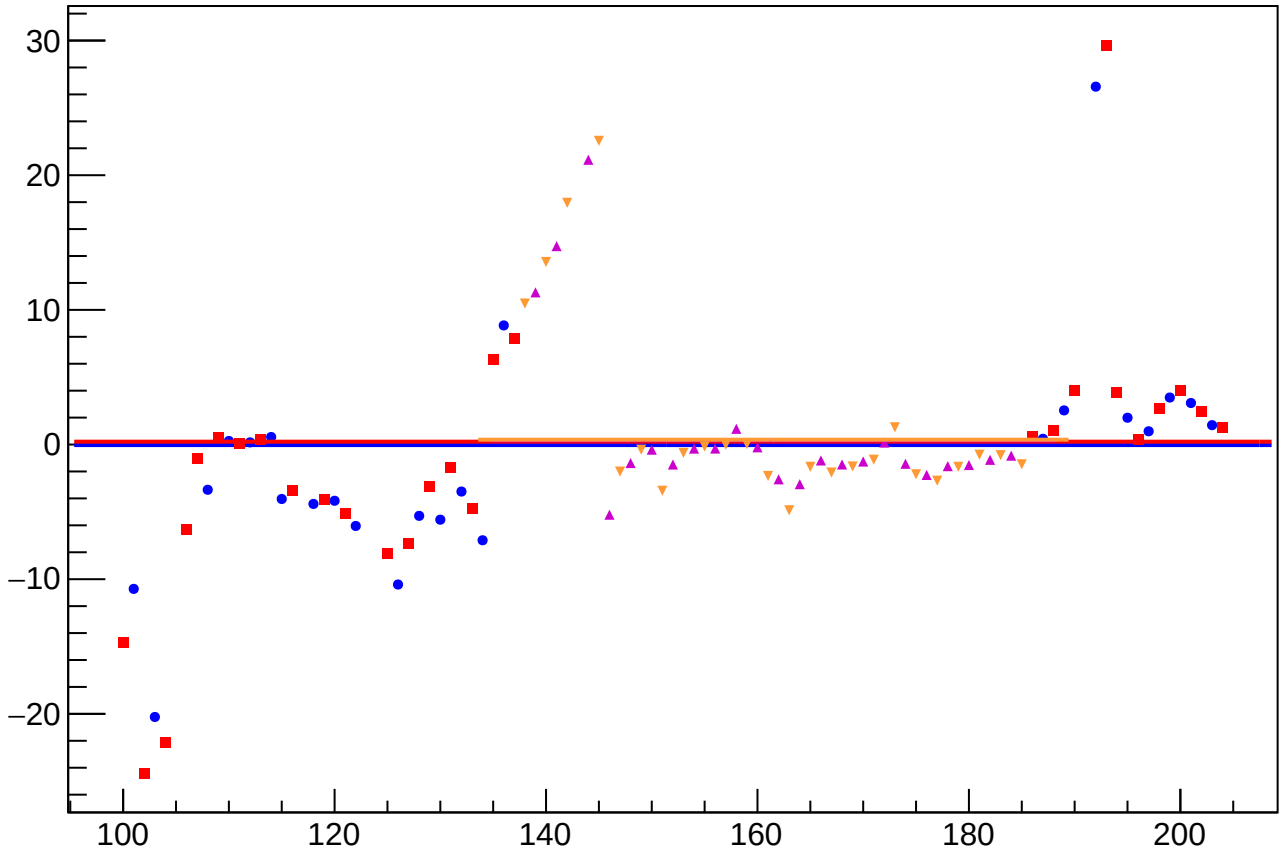
Right Out: 0.100+/-0.002 χ^2/NDF: 34002.6/27

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.019+/-0.001 χ^2/NDF: 40336.9/47

All: -0.015+/-0.001 χ^2/NDF: 82216.7/98

- sign -0.012+/-0.001 χ^2/NDF: 41866.6/50



Right In: -0.040+/-0.015 χ^2/NDF: 116405.3/23

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

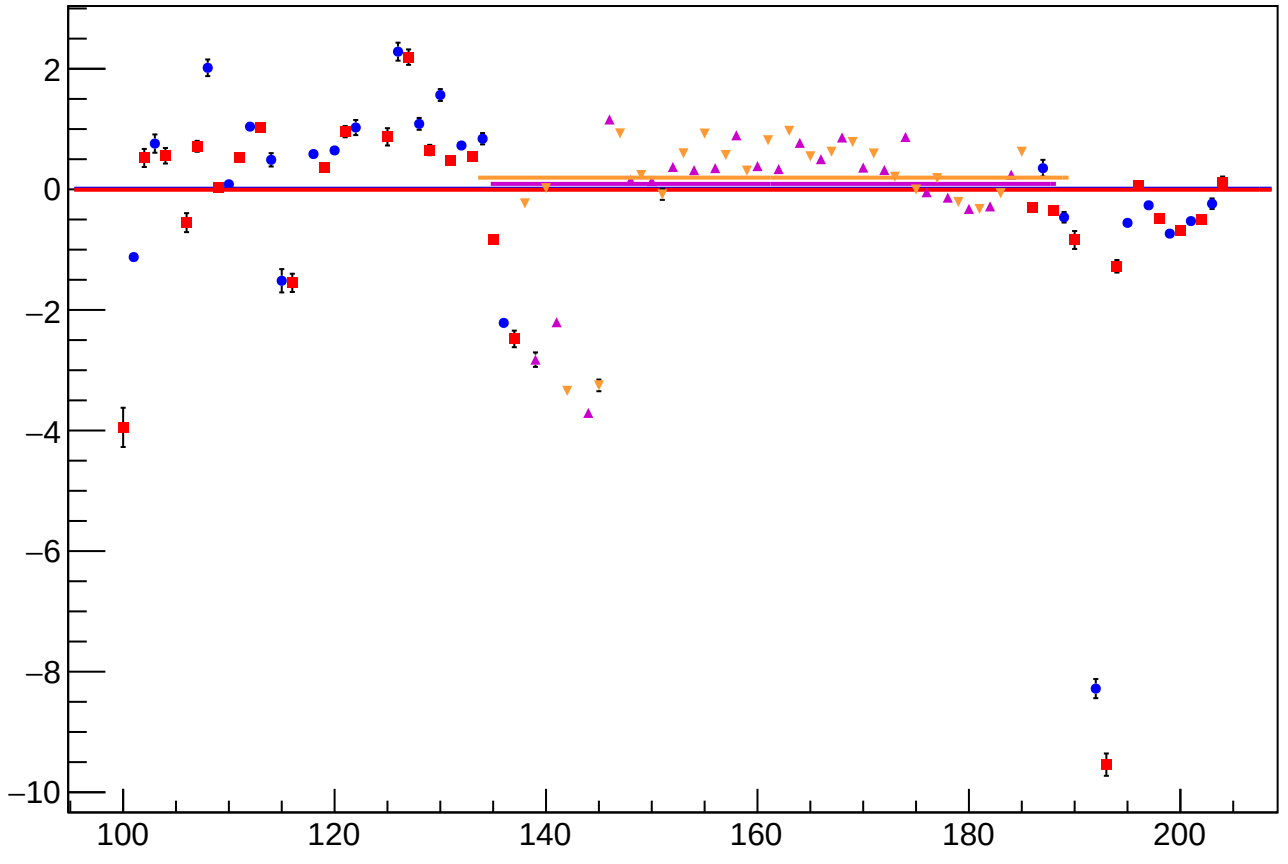
Right Out: 0.213+/-0.013 χ^2/NDF: 115936.4/27

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign 0.176+/-0.010 χ^2/NDF: 245615.3/47

All: 0.222+/-0.007 χ^2/NDF: 491845.9/98

- sign 0.261+/-0.009 χ^2/NDF: 246192.0/50



Right In: 0.011+/-0.017 χ^2/NDF: 5827.9/23

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

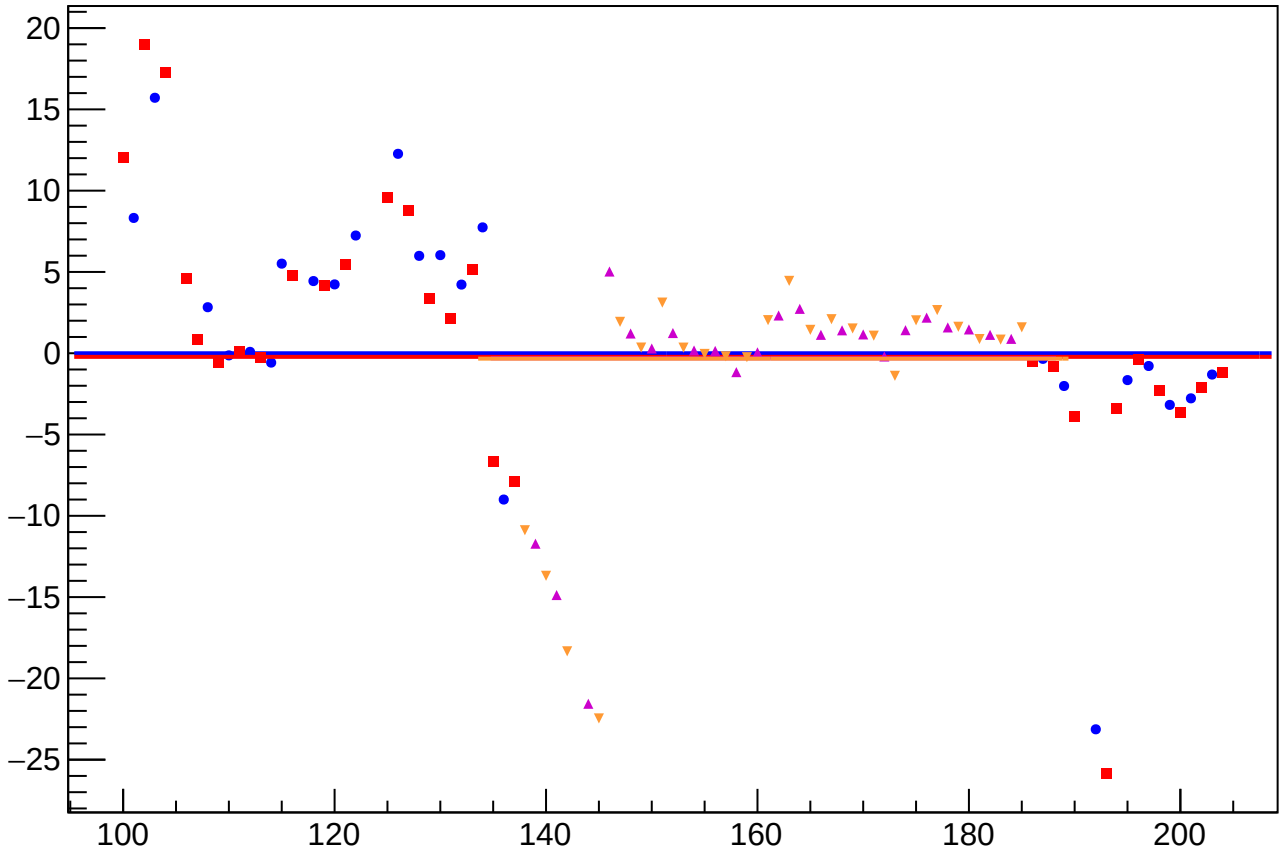
Right Out: -0.007+/-0.016 χ^2/NDF: 4886.5/27

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.137+/-0.009 χ^2/NDF: 10554.9/47

All: 0.096+/-0.006 χ^2/NDF: 22440.2/98

- sign 0.060+/-0.009 χ^2/NDF: 11849.5/50



Right In: -0.001+/-0.016 χ^2/NDF: 115560.7/23

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

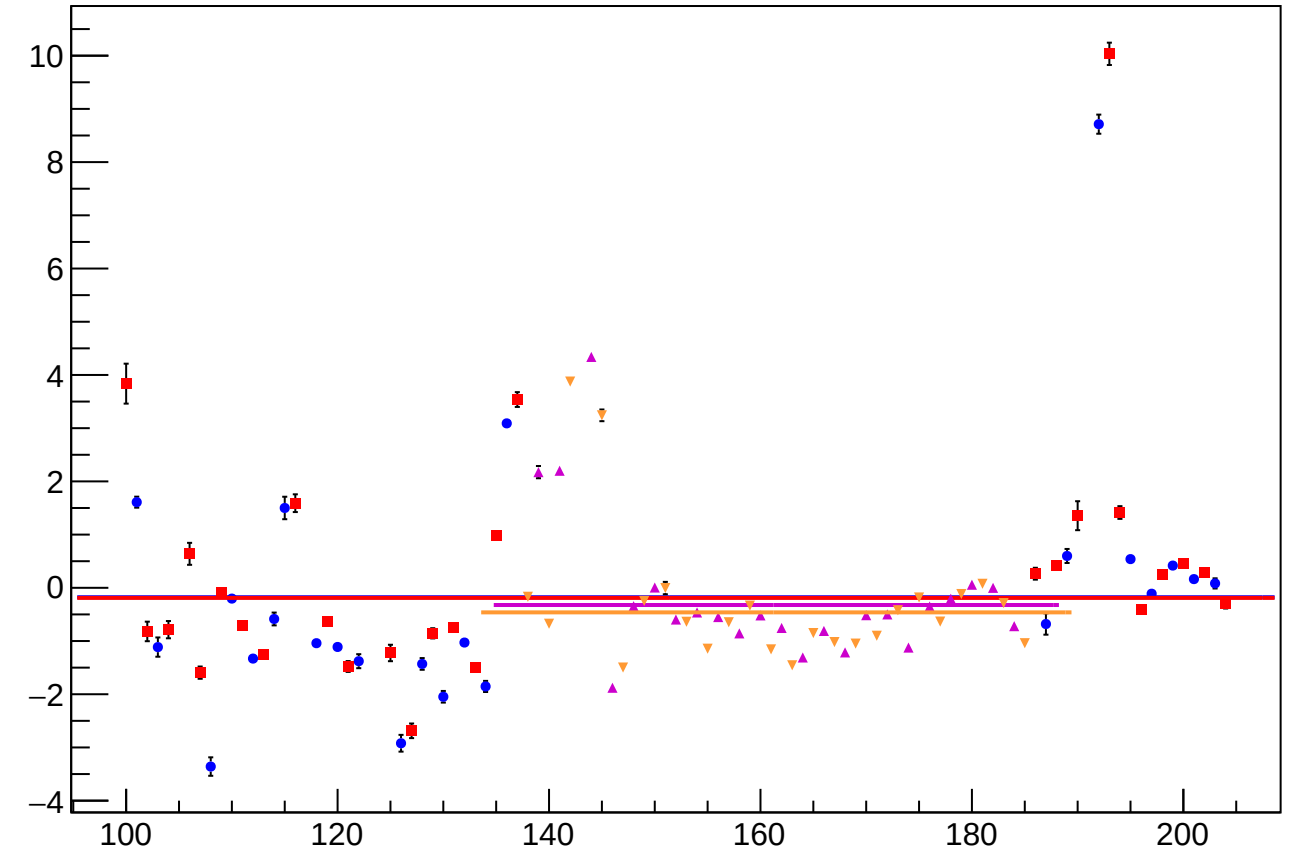
Right Out: -0.222+/-0.013 χ^2/NDF: 114466.1/27

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign -0.186+/-0.010 χ^2/NDF: 240045.6/47

All: -0.231+/-0.007 χ^2/NDF: 481567.7/98

- sign -0.268+/-0.010 χ^2/NDF: 241488.5/50



Right In: -0.177+/-0.020 χ^2/NDF: 7277.8/23

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

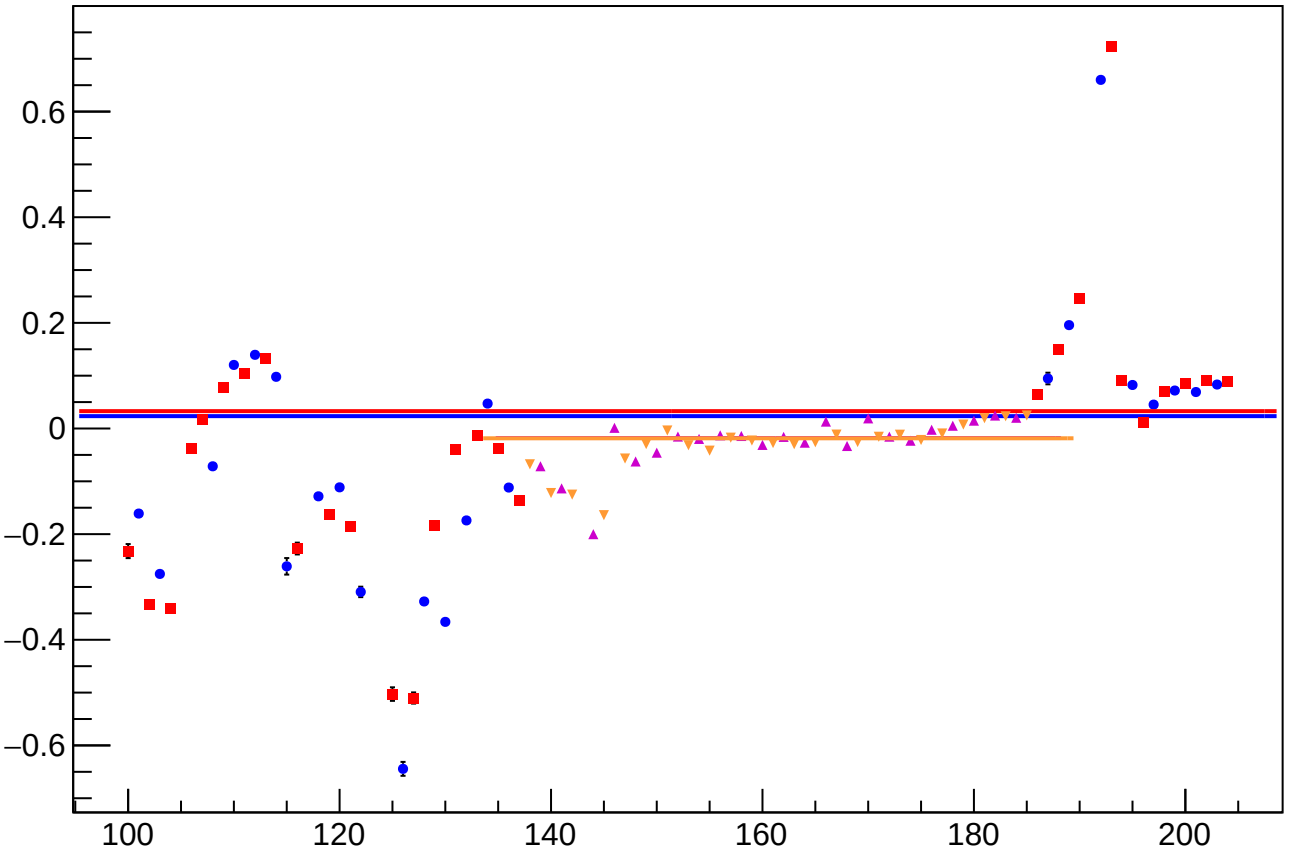
Right Out: -0.189+/-0.018 χ^2/NDF: 5407.0/27

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.380+/-0.011 χ^2/NDF: 12006.4/47

All: -0.329+/-0.007 χ^2/NDF: 24376.8/98

- sign -0.283+/-0.010 χ^2/NDF: 12326.4/50



Right In: 0.023+/-0.001 χ^2/NDF: 33665.0/23

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

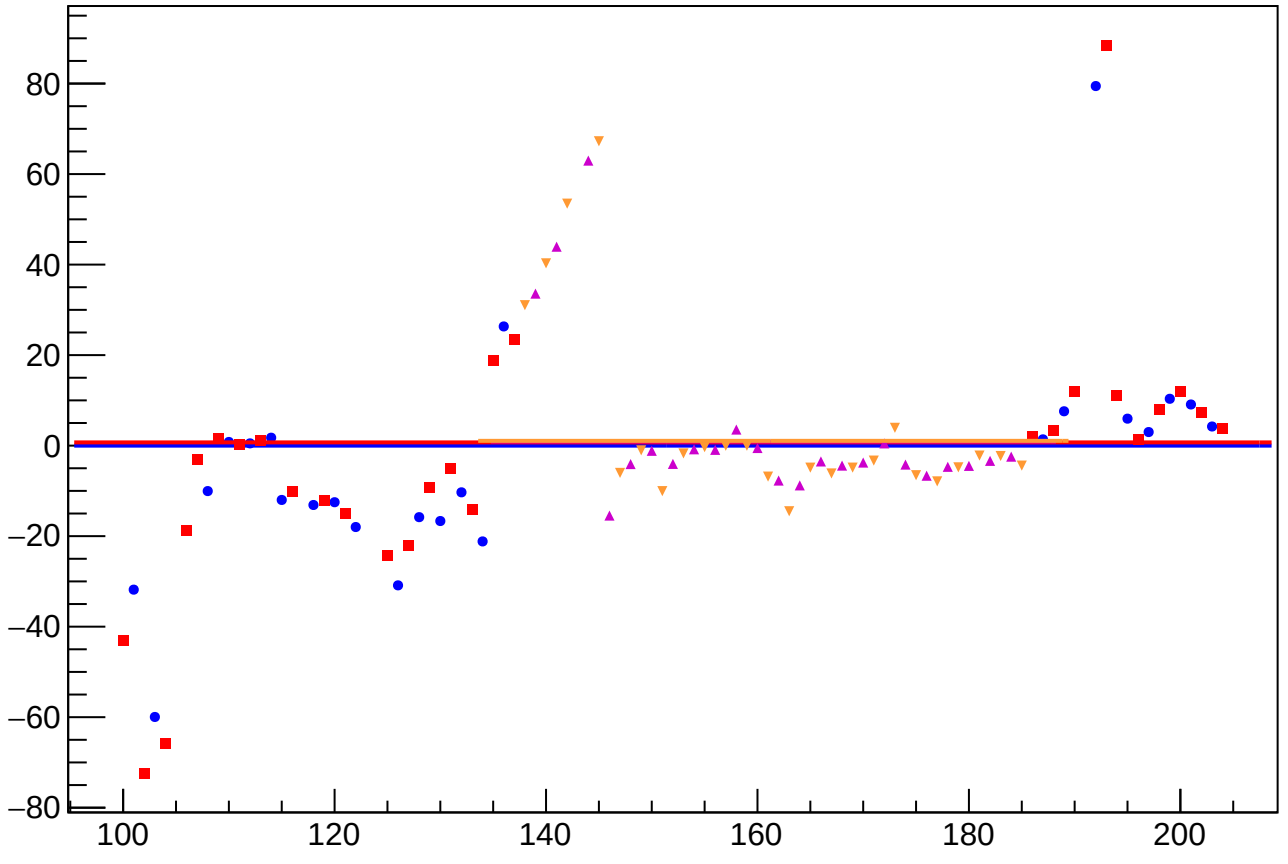
Right Out: 0.033+/-0.001 χ^2/NDF: 33384.4/27

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.007+/-0.000 χ^2/NDF: 39525.5/47

All: -0.006+/-0.000 χ^2/NDF: 80480.6/98

- sign -0.004+/-0.000 χ^2/NDF: 40937.3/50



Right In: 0.002+/-0.044 χ^2/NDF: 118492.5/23

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

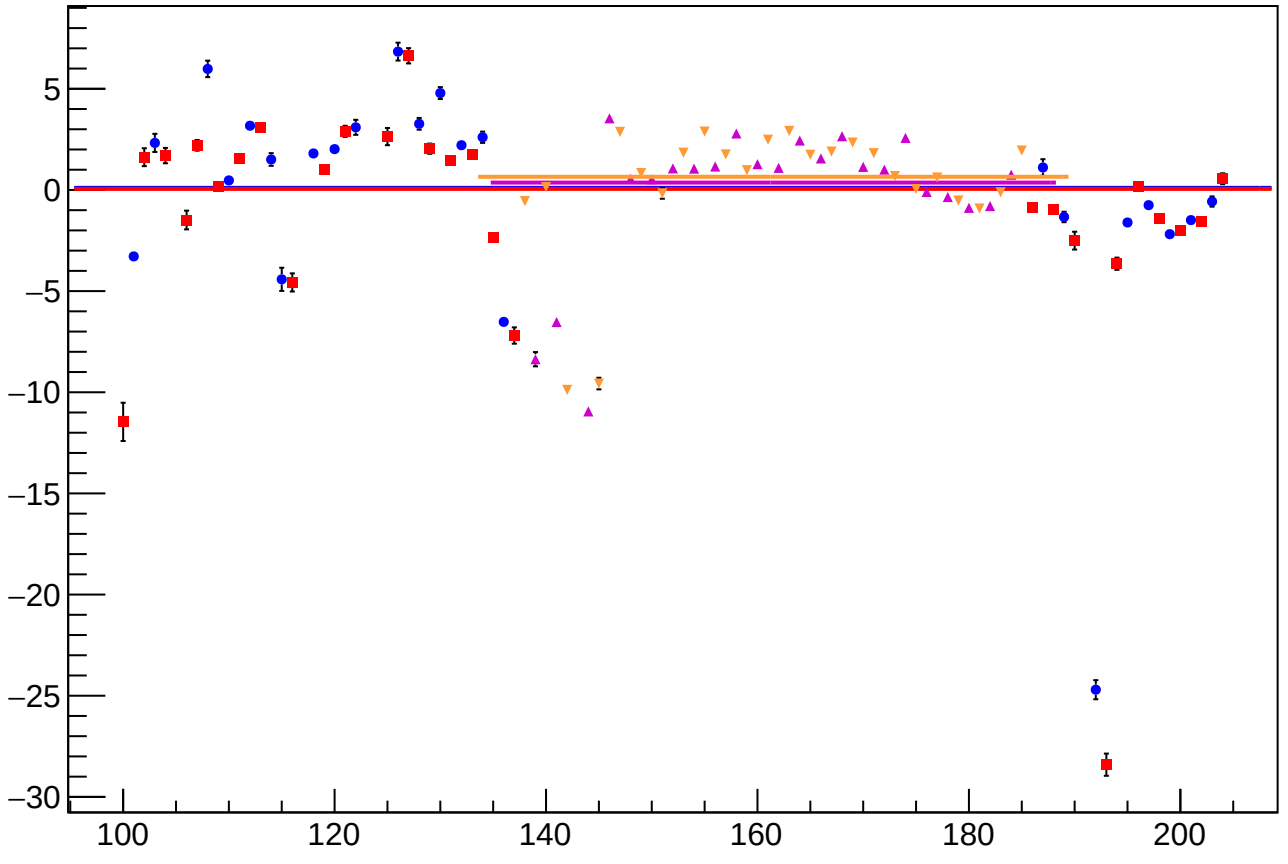
Right Out: 0.714+/-0.037 χ^2/NDF: 117766.4/27

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 0.569+/-0.030 χ^2/NDF: 249817.2/47

All: 0.699+/-0.020 χ^2/NDF: 500448.8/98

- sign 0.807+/-0.027 χ^2/NDF: 250596.4/50



Right In: 0.104+/-0.049 χ^2/NDF: 5960.2/23

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

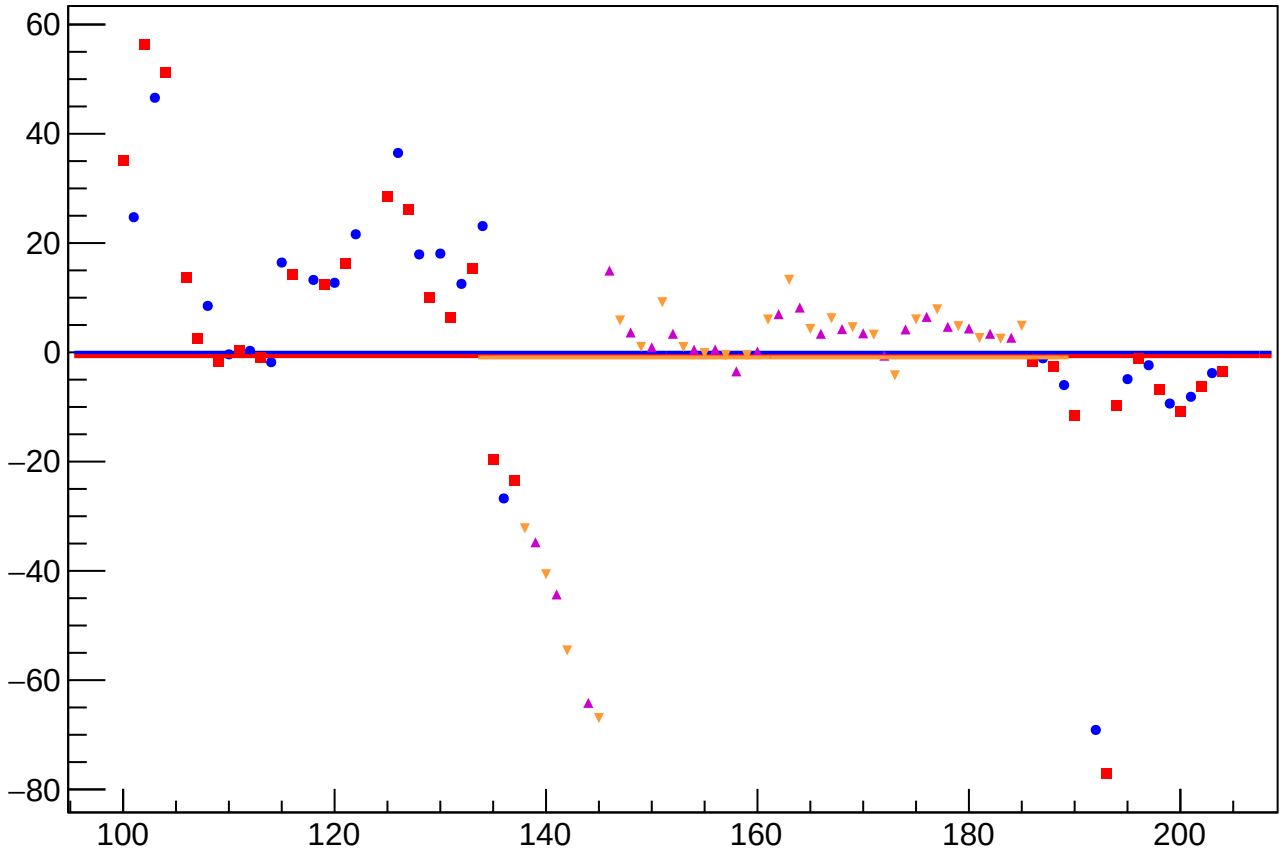
Right Out: 0.053+/-0.046 χ^2/NDF: 4983.0/27

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.479+/-0.027 χ^2/NDF: 10754.7/47

All: 0.365+/-0.019 χ^2/NDF: 22924.5/98

- sign 0.264+/-0.026 χ^2/NDF: 12137.2/50



Right In: -0.076+/-0.045 χ^2/NDF: 117611.0/23

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

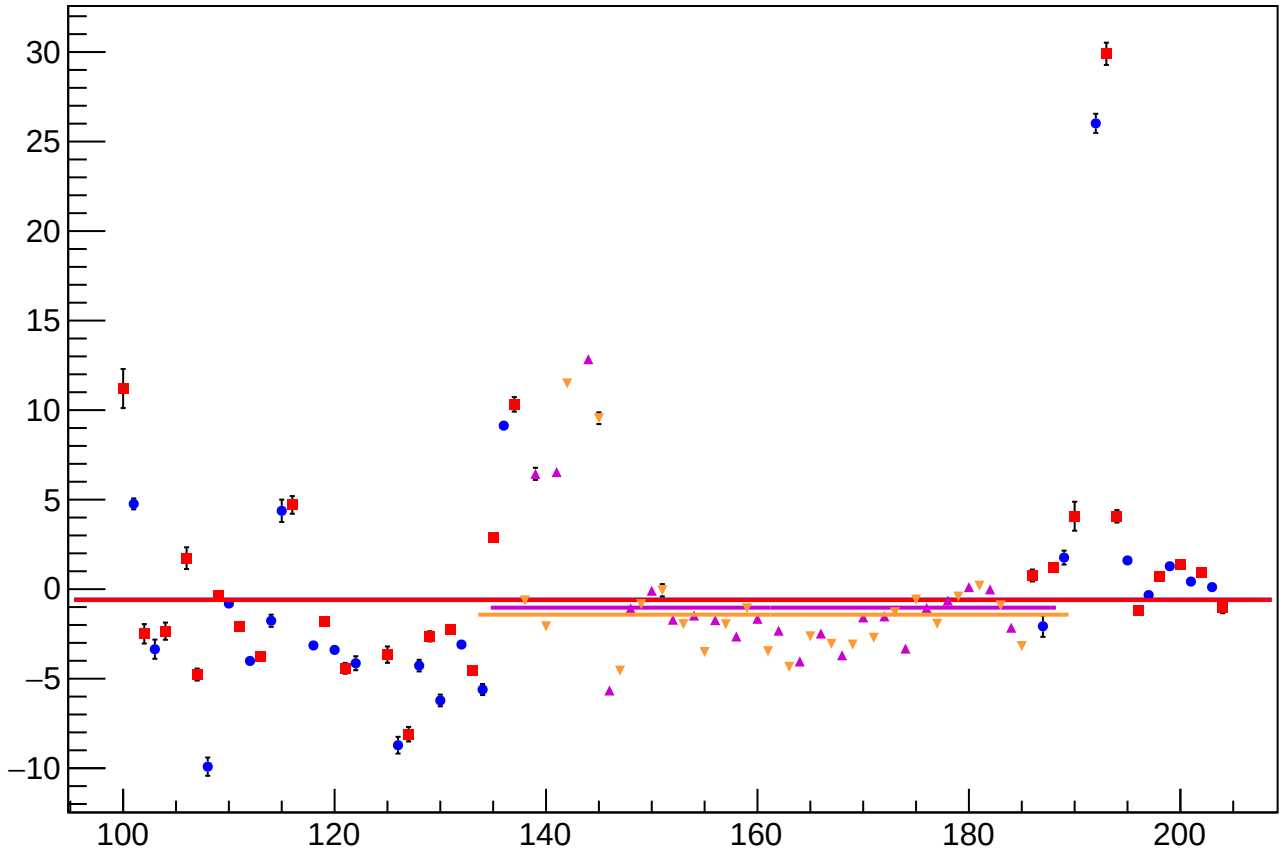
Right Out: -0.696+/-0.039 χ^2/NDF: 116241.6/27

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign -0.550+/-0.030 χ^2/NDF: 244166.6/47

All: -0.673+/-0.020 χ^2/NDF: 489938.1/98

- sign -0.777+/-0.028 χ^2/NDF: 245740.9/50



Right In: -0.580+/-0.057 χ^2/NDF: 7437.0/23

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

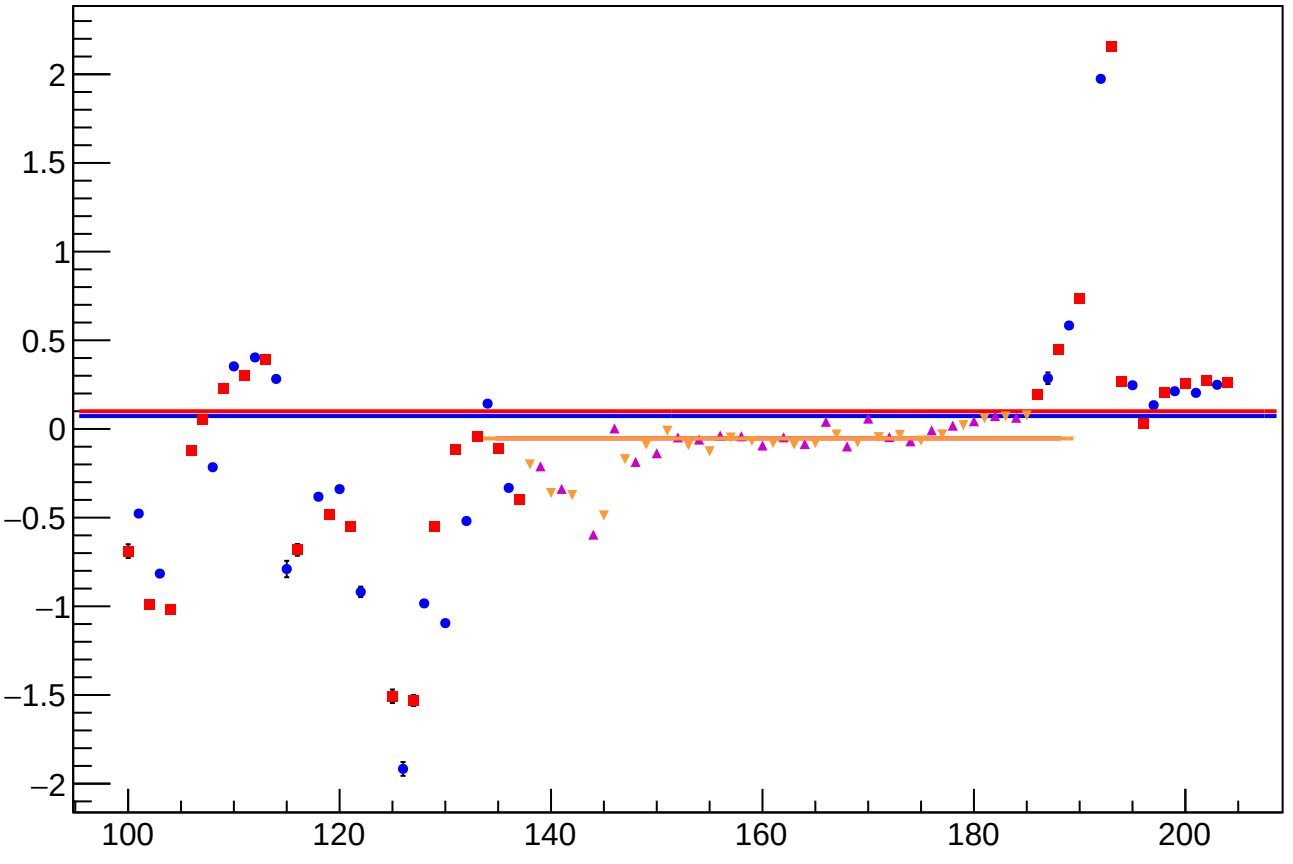
Right Out: -0.610+/-0.053 χ^2/NDF: 5503.2/27

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.180+/-0.031 χ^2/NDF: 12231.1/47

All: -1.035+/-0.021 χ^2/NDF: 24871.4/98

- sign -0.906+/-0.029 χ^2/NDF: 12598.6/50



Right In: 0.073+/-0.003 χ^2/NDF: 34259.5/23

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

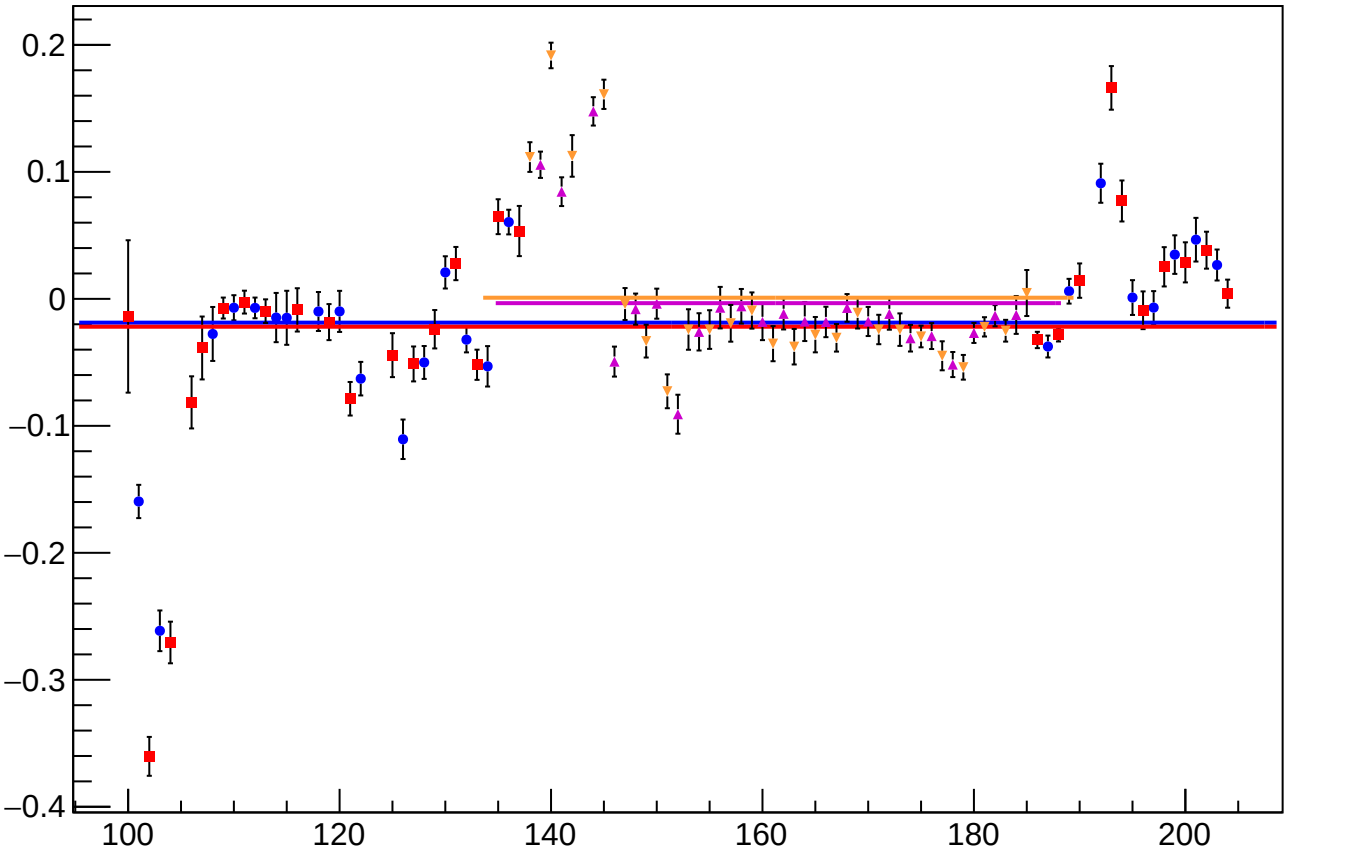
Right Out: 0.100+/-0.002 χ^2/NDF: 34016.4/27

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.018+/-0.001 χ^2/NDF: 40347.3/47

All: -0.015+/-0.001 χ^2/NDF: 82249.7/98

- sign -0.012+/-0.001 χ^2/NDF: 41889.4/50



Right In: -0.019+/-0.003 χ^2/NDF: 589.8/23

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.022+/-0.002 χ^2/NDF: 1048.8/27

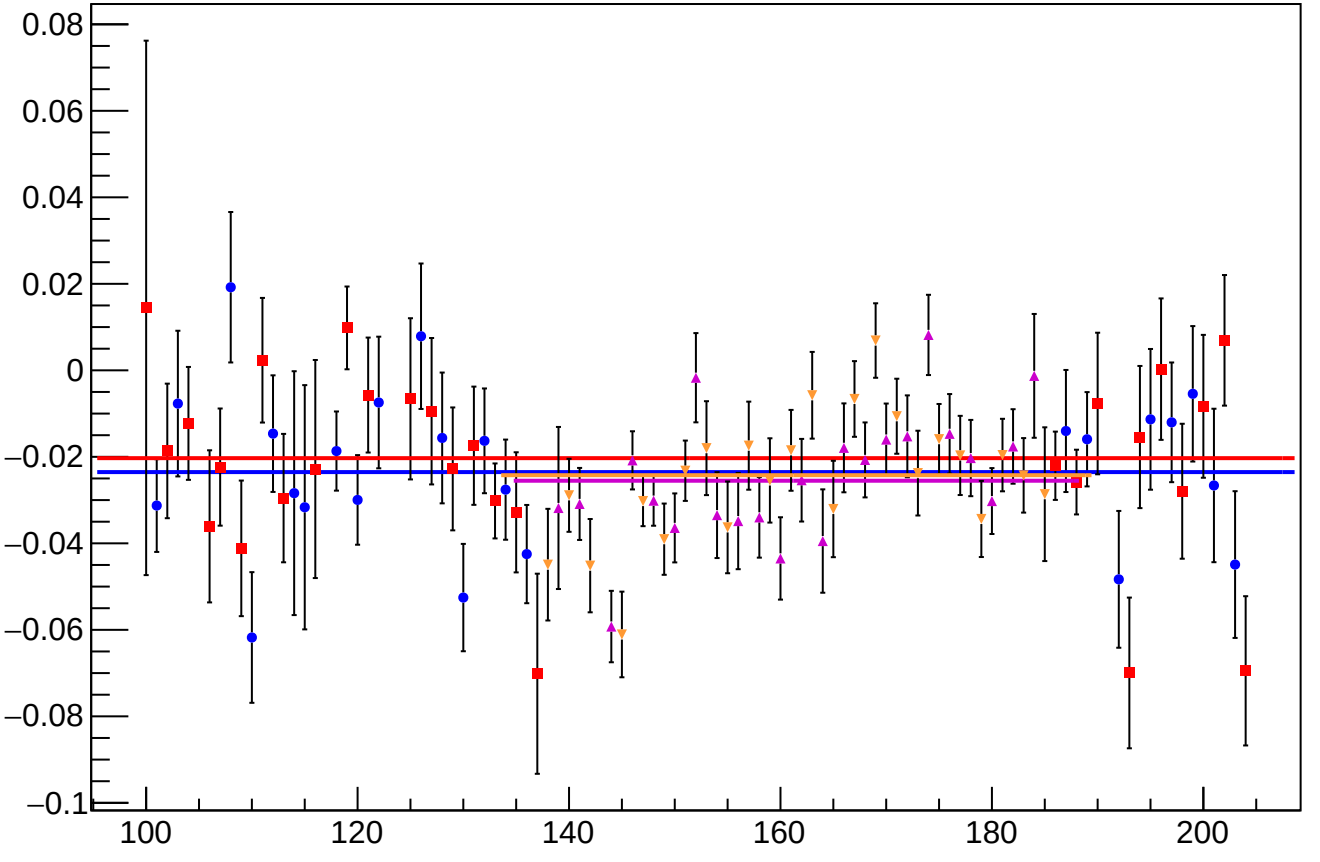
Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.008+/-0.002 χ^2/NDF: 1470.7/47

All: -0.011+/-0.001 χ^2/NDF: 3013.3/98

- sign -0.013+/-0.002 χ^2/NDF: 1538.3/50

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.024+/-0.003 χ^2/NDF: 36.3/23

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

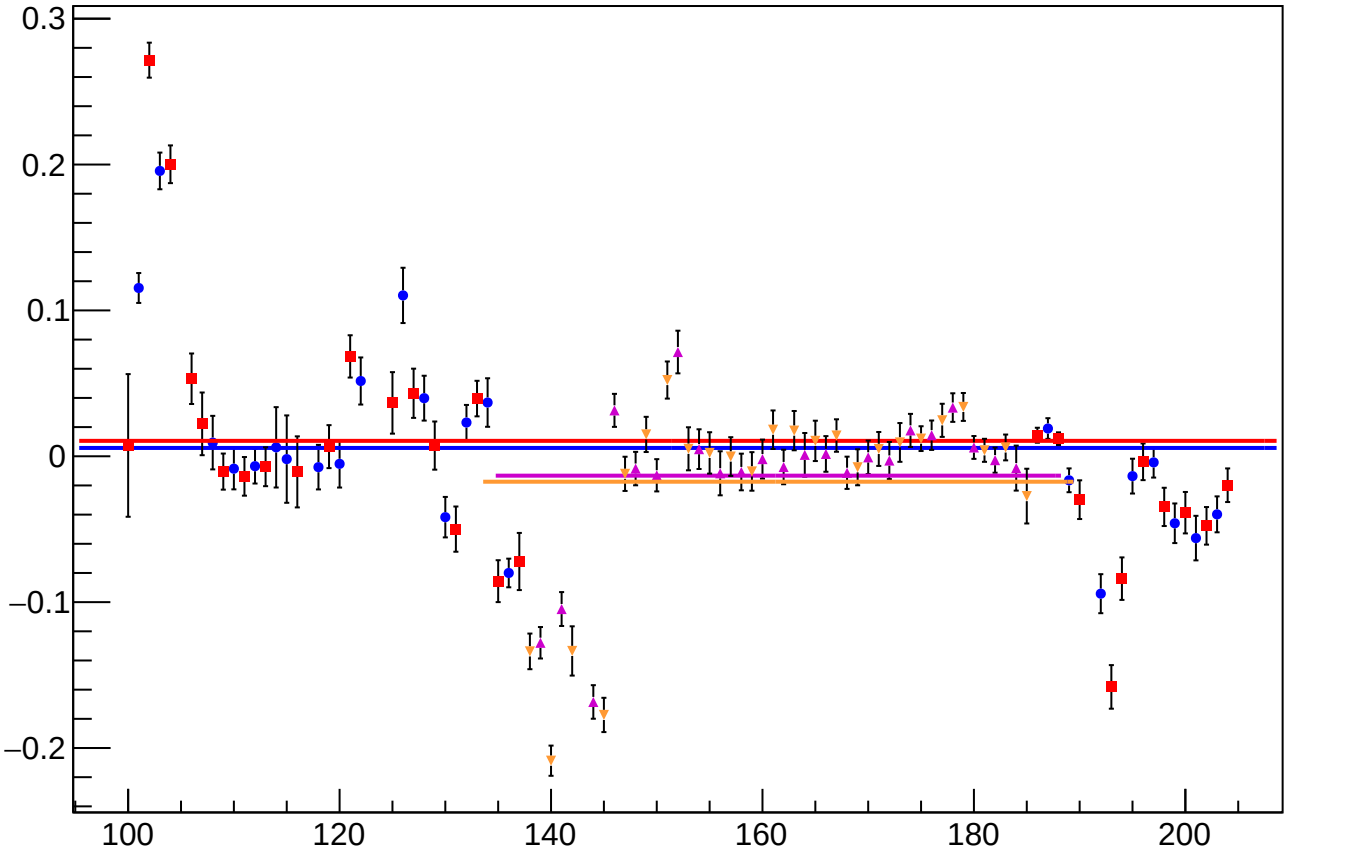
Right Out: -0.020+/-0.003 χ^2/NDF: 48.2/27

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 90.1/47

All: -0.024+/-0.001 χ^2/NDF: 196.0/98

- sign -0.024+/-0.002 χ^2/NDF: 105.9/50



Right In: 0.006+/-0.003 χ^2/NDF: 597.6/23

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

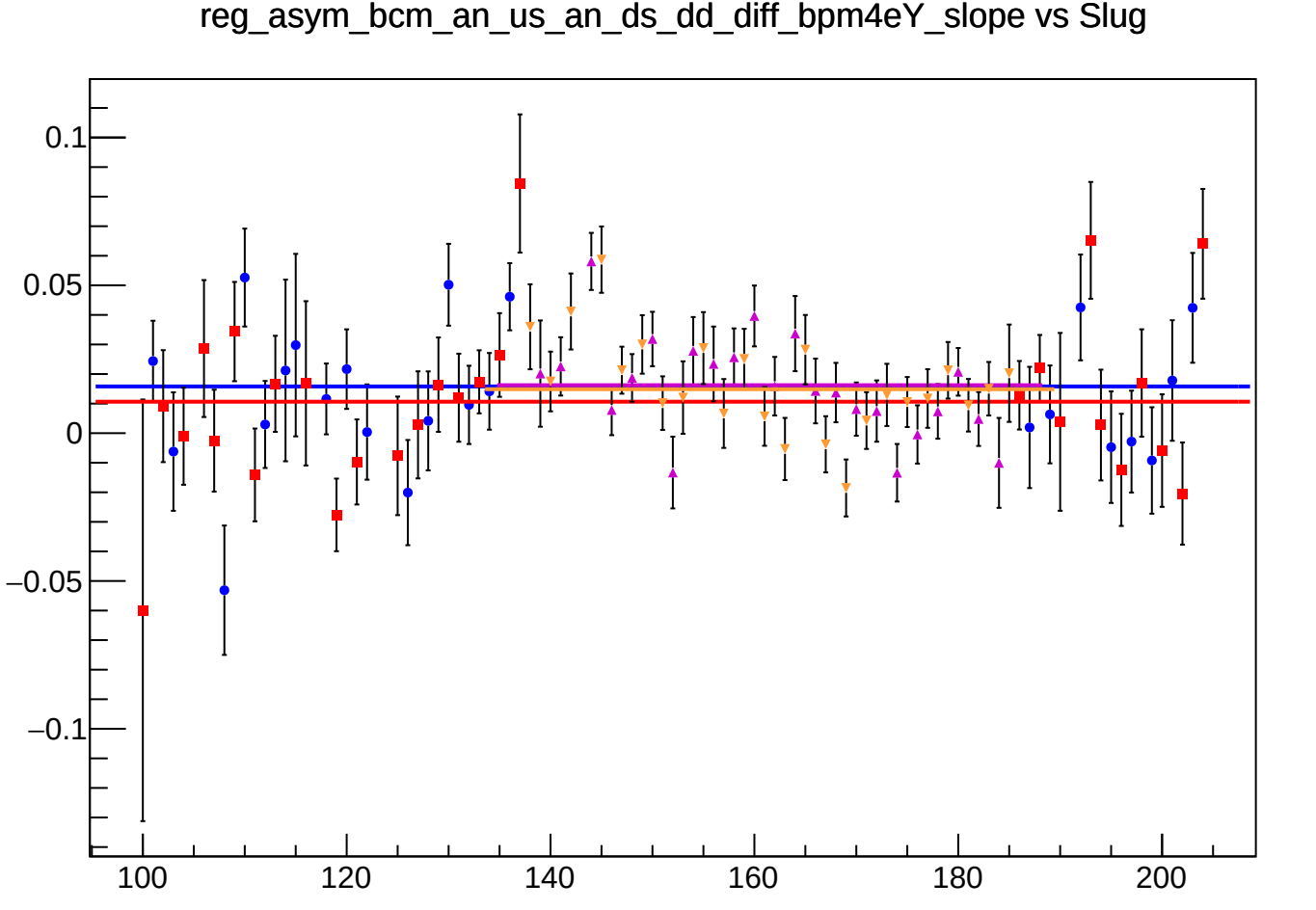
Right Out: 0.011+/-0.002 χ^2/NDF: 1040.2/27

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.007+/-0.002 χ^2/NDF: 1453.4/47

All: -0.003+/-0.001 χ^2/NDF: 3014.4/98

- sign -0.000+/-0.002 χ^2/NDF: 1553.6/50



Right In: 0.016+/-0.003 χ^2/NDF: 46.2/23

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

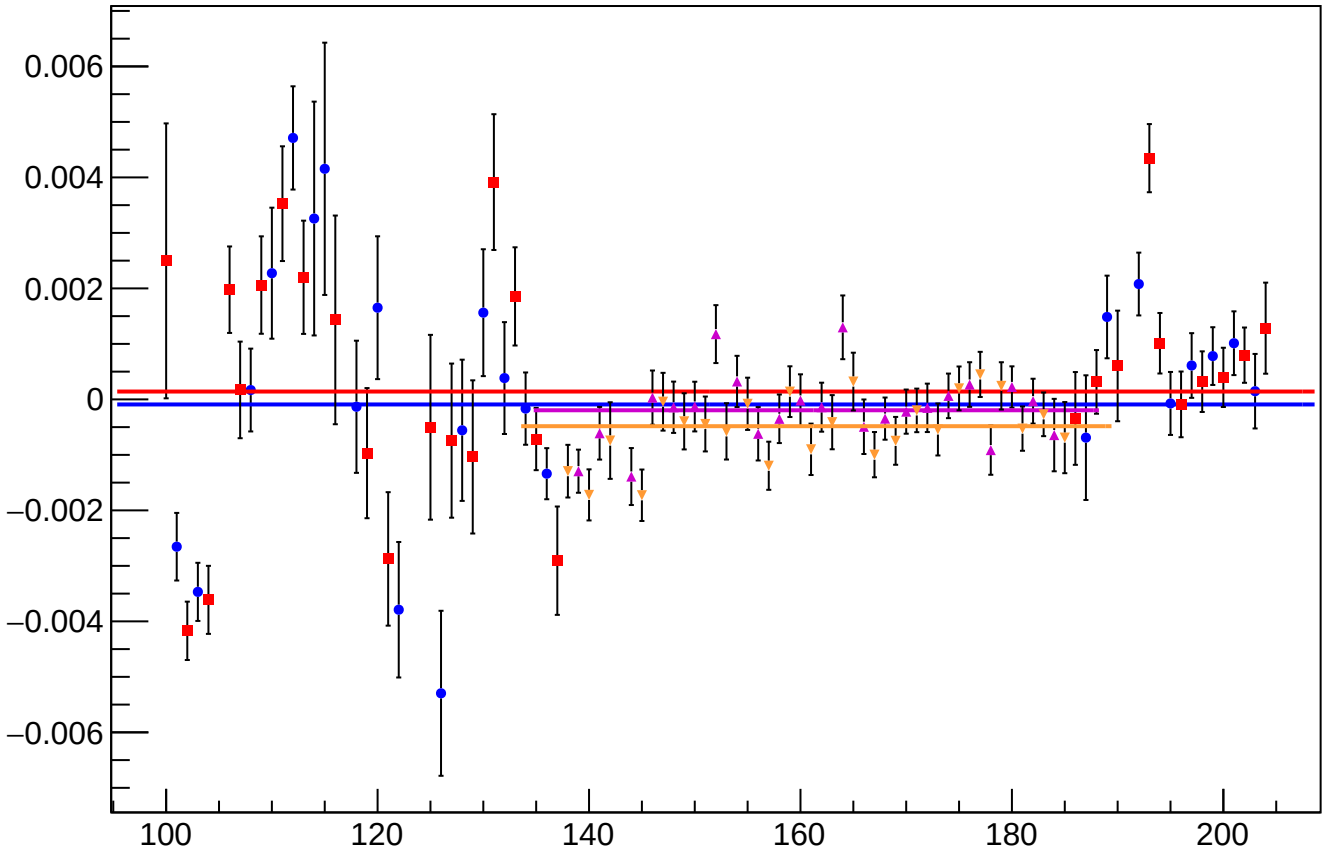
Right Out: 0.011+/-0.003 χ^2/NDF: 54.7/27

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.015+/-0.002 χ^2/NDF: 98.3/47

All: 0.015+/-0.001 χ^2/NDF: 213.2/98

- sign 0.014+/-0.002 χ^2/NDF: 114.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 156.7/23

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

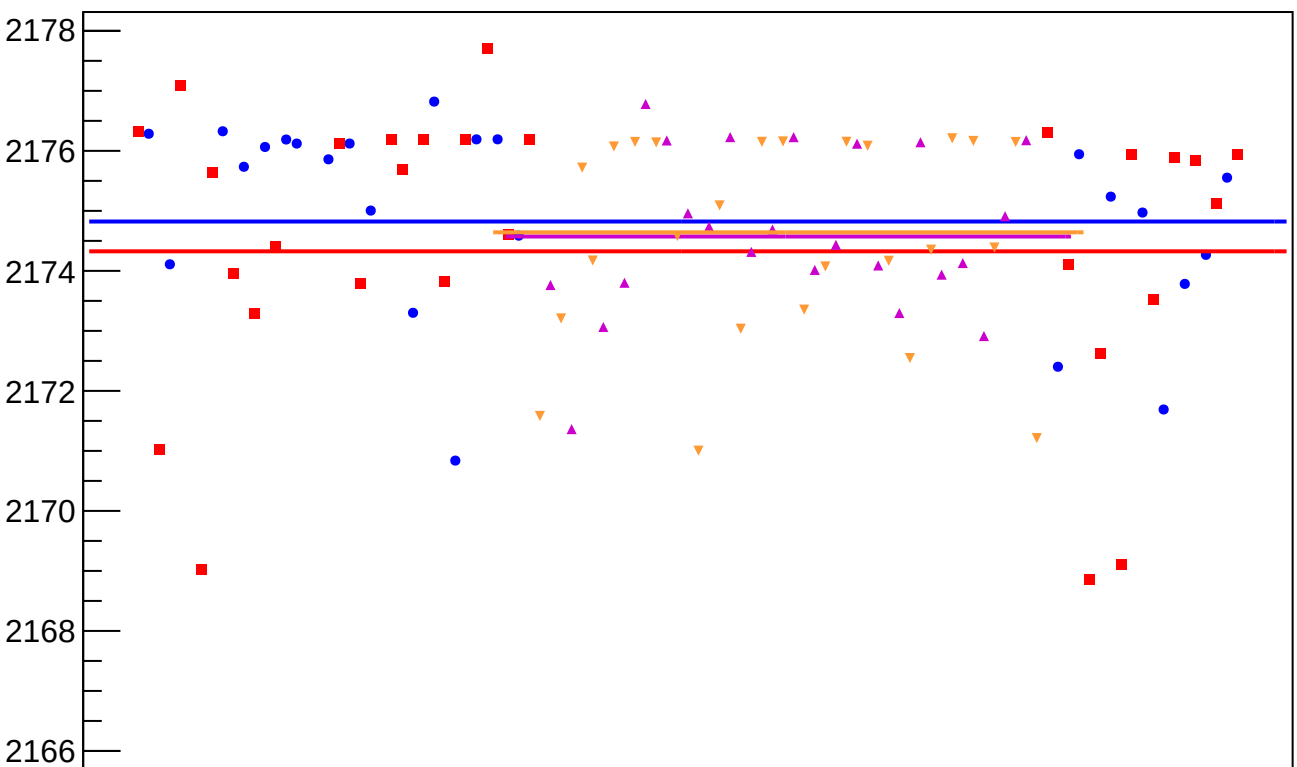
Right Out: 0.000+/-0.000 χ^2/NDF: 219.3/27

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 202.4/47

All: -0.000+/-0.000 χ^2/NDF: 469.1/98

- sign -0.000+/-0.000 χ^2/NDF: 260.4/50



Right In: 2174.823+/-0.000 χ^2/NDF: 3086176791199406934726003384123392.0/23

+ sign 2174.715+/-0.000 χ^2/NDF: 83241154473425

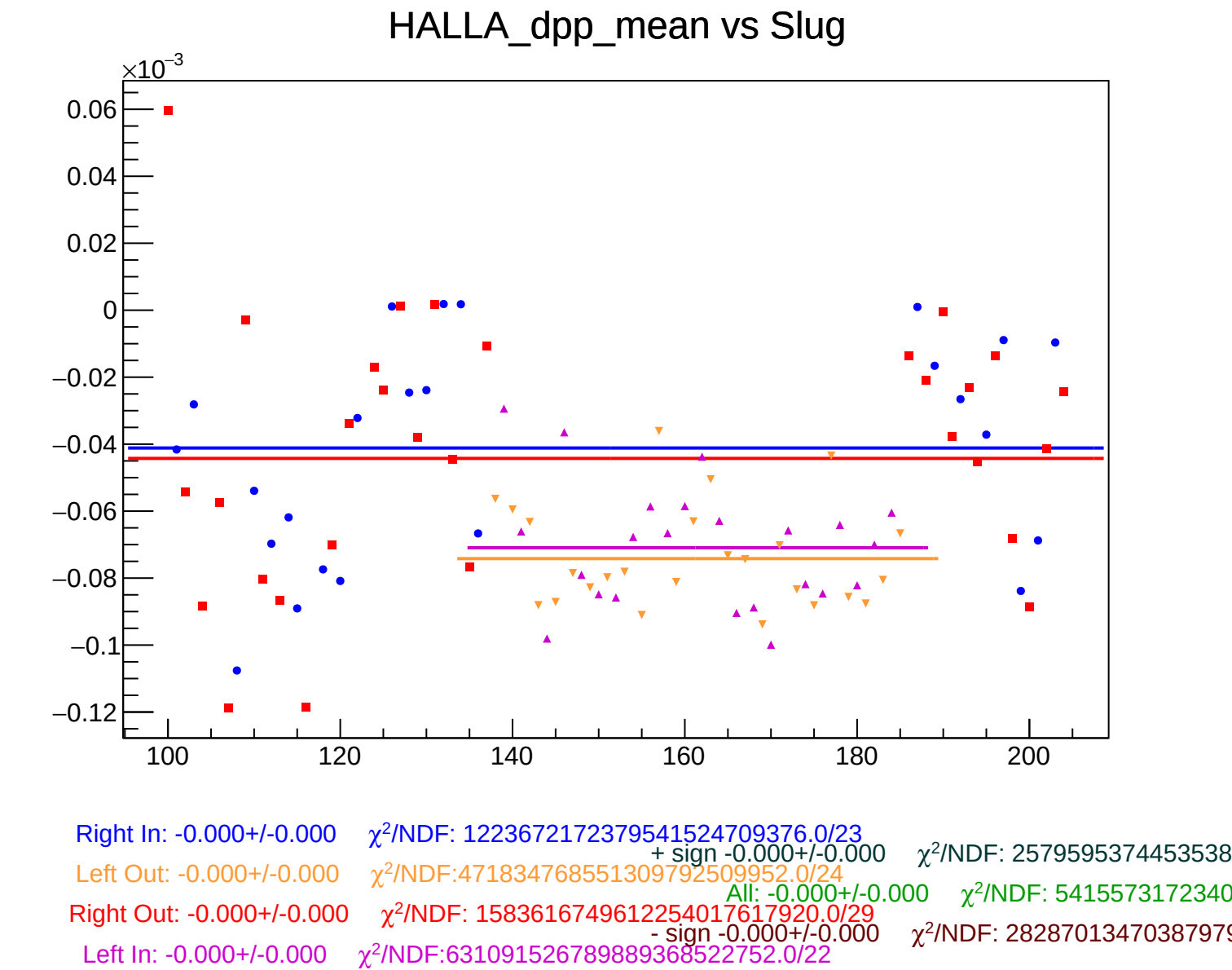
Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517l2.0/24

All: 2174.586+/-0.000 χ^2/NDF: 2186081469

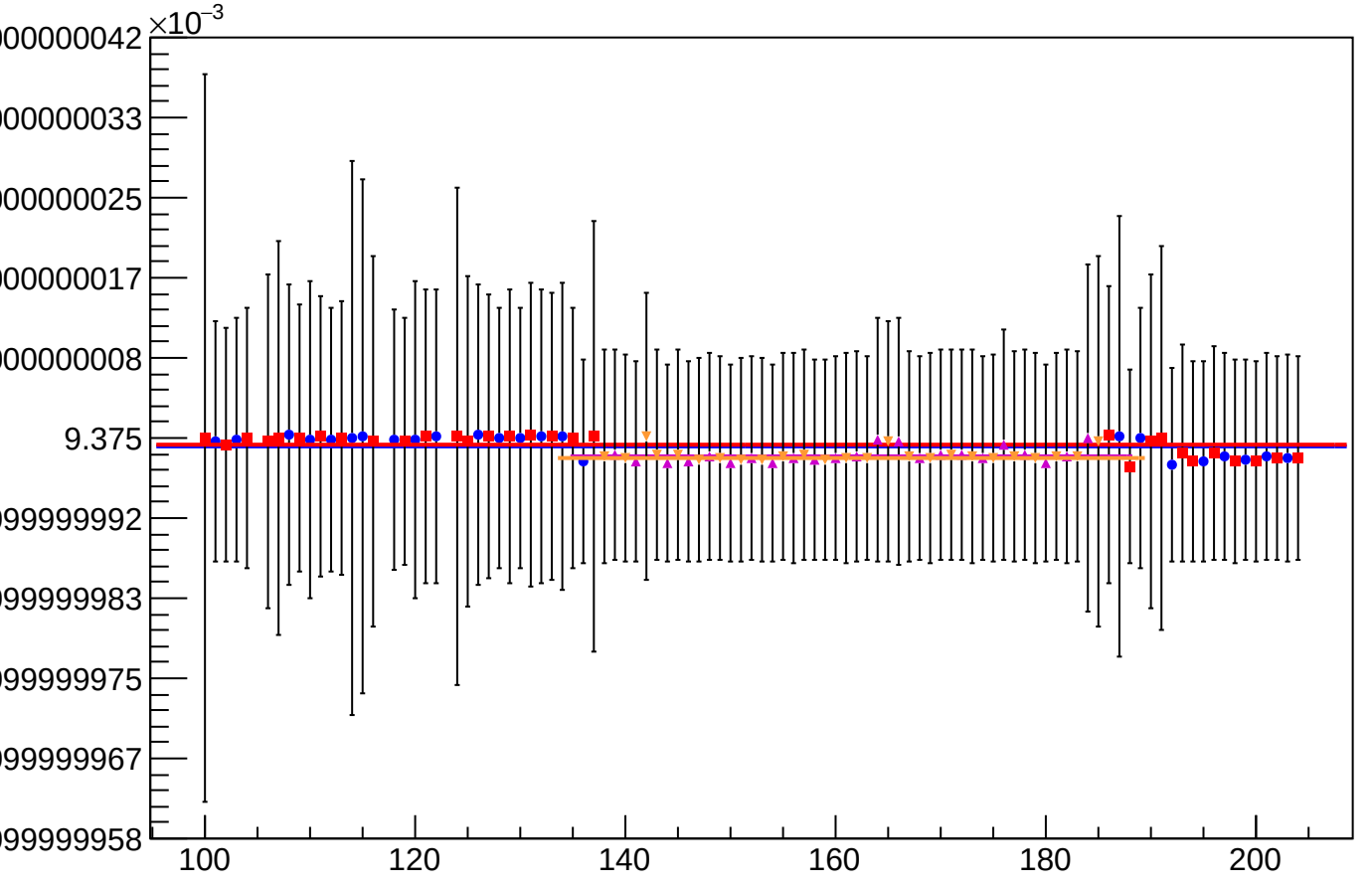
Right Out: 2174.326+/-0.000 χ^2/NDF: 994244320039864506131906937906790 4.0/29

- sign 2174.461+/-0.000 χ^2/NDF: 13426340985749

Left In: 2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572915 2.0/22


HALLA_dpp_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 1223672172379541524709376.0/23
+ sign -0.000+/-0.000 χ²/NDF: 2579595374453538
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
All: -0.000+/-0.000 χ²/NDF: 5415573172340
Right Out: -0.000+/-0.000 χ²/NDF: 1583616749612254017617920.0/29
- sign -0.000+/-0.000 χ²/NDF: 2828701347038797
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/29

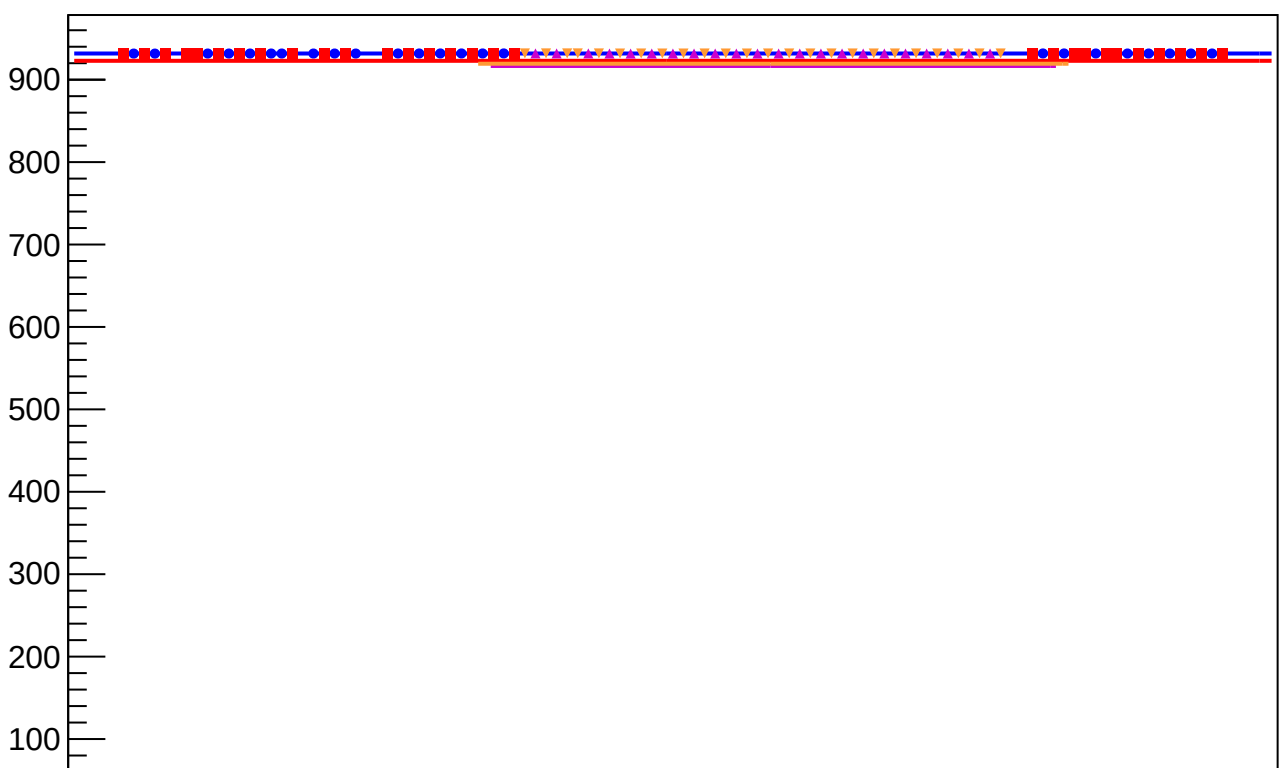
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/48

All: 0.009+/-0.000 χ^2/NDF: 1.0/101

- sign 0.009+/-0.000 χ^2/NDF: 0.4/52

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.776+/-0.000 χ^2/NDF: 319320109779572941807868601958 4.0/23

+ sign 924.338+/-0.000 χ^2/NDF: 2314628894473 89

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812 43648.0/24

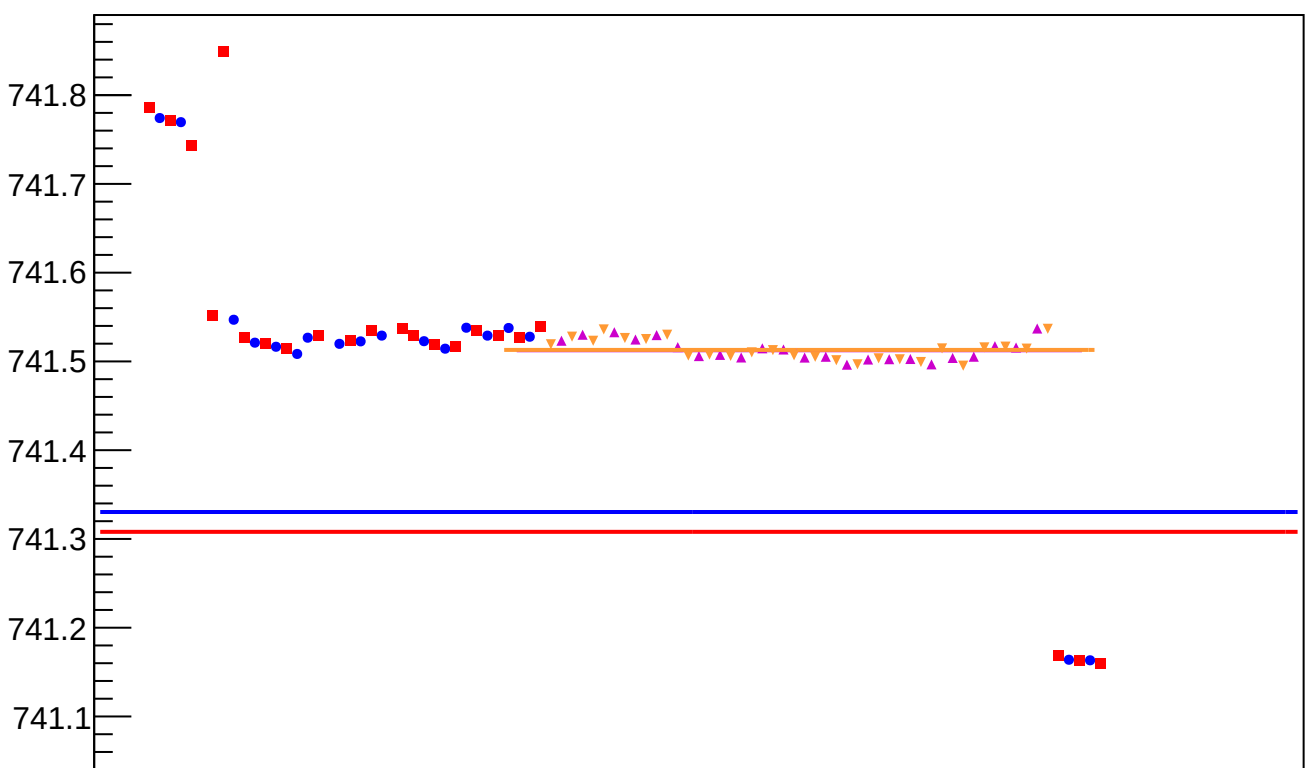
All: 921.873+/-0.000 χ^2/NDF: 624885020260

Right Out: 922.911+/-0.000 χ^2/NDF: 1289837149092568149704856141391567 2576.0/29

- sign 919.486+/-0.000 χ^2/NDF: 393018926408102

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855 72352.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.330+/-0.000 χ^2/NDF: 10075667530493421422845592443289 6.0/23

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005 12.0/24

Right Out: 741.308+/-0.000 χ^2/NDF: 11712088944358670582218865246208 0.0/29

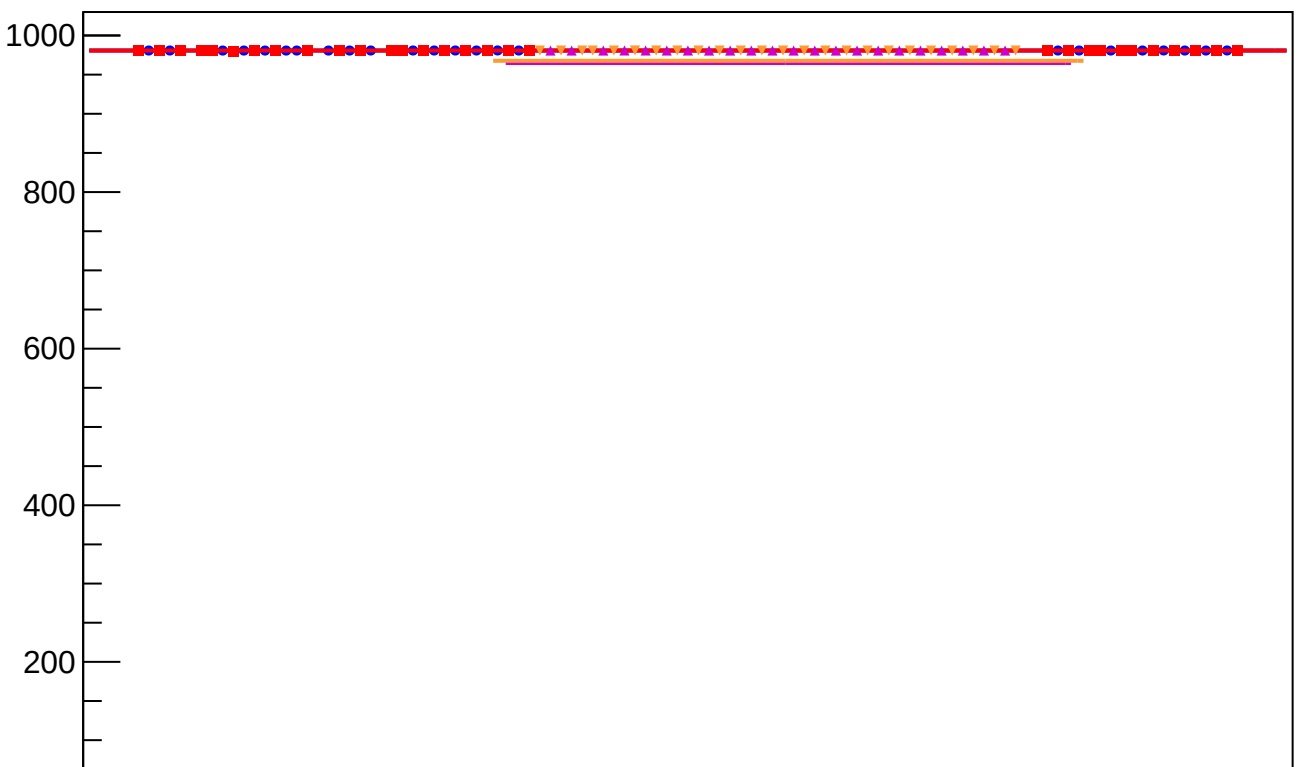
Left In: 741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

+ sign 741.440+/-0.000 χ^2/NDF: 128029488713467

All: 741.430+/-0.000 χ^2/NDF: 282150149102

- sign 741.420+/-0.000 χ^2/NDF: 153458716107845

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.810+/-0.000 χ^2/NDF: 17419142995547256100463596011520/23

+ sign 972.950+/-0.000 χ^2/NDF: 256449159564905

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

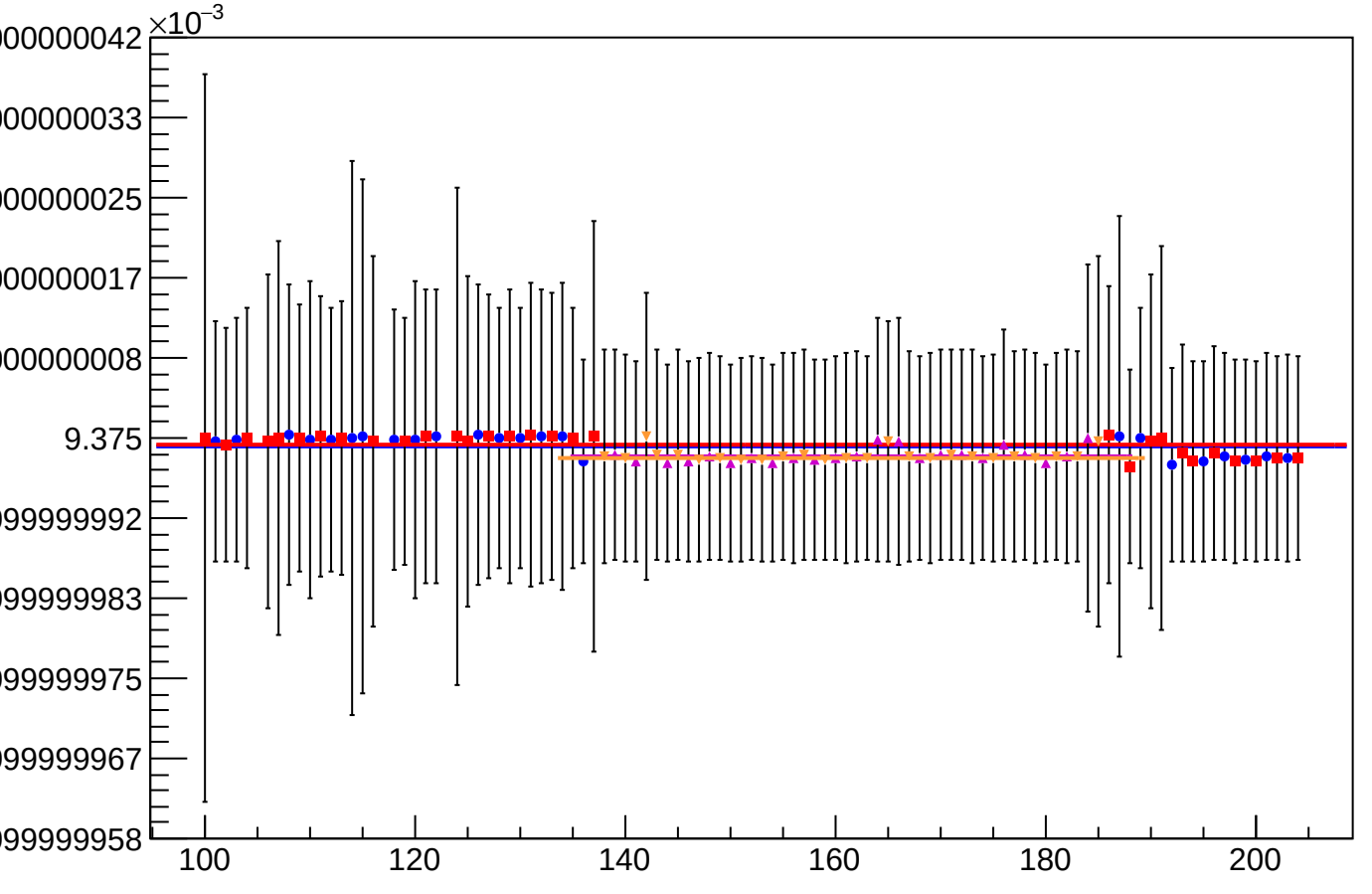
All: 972.499+/-0.000 χ^2/NDF: 550809150933

Right Out: 980.778+/-0.000 χ^2/NDF: 6339942921642270154021618162073 6.0/29

- sign 972.061+/-0.000 χ^2/NDF: 294346459321029

Left In: 964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/29

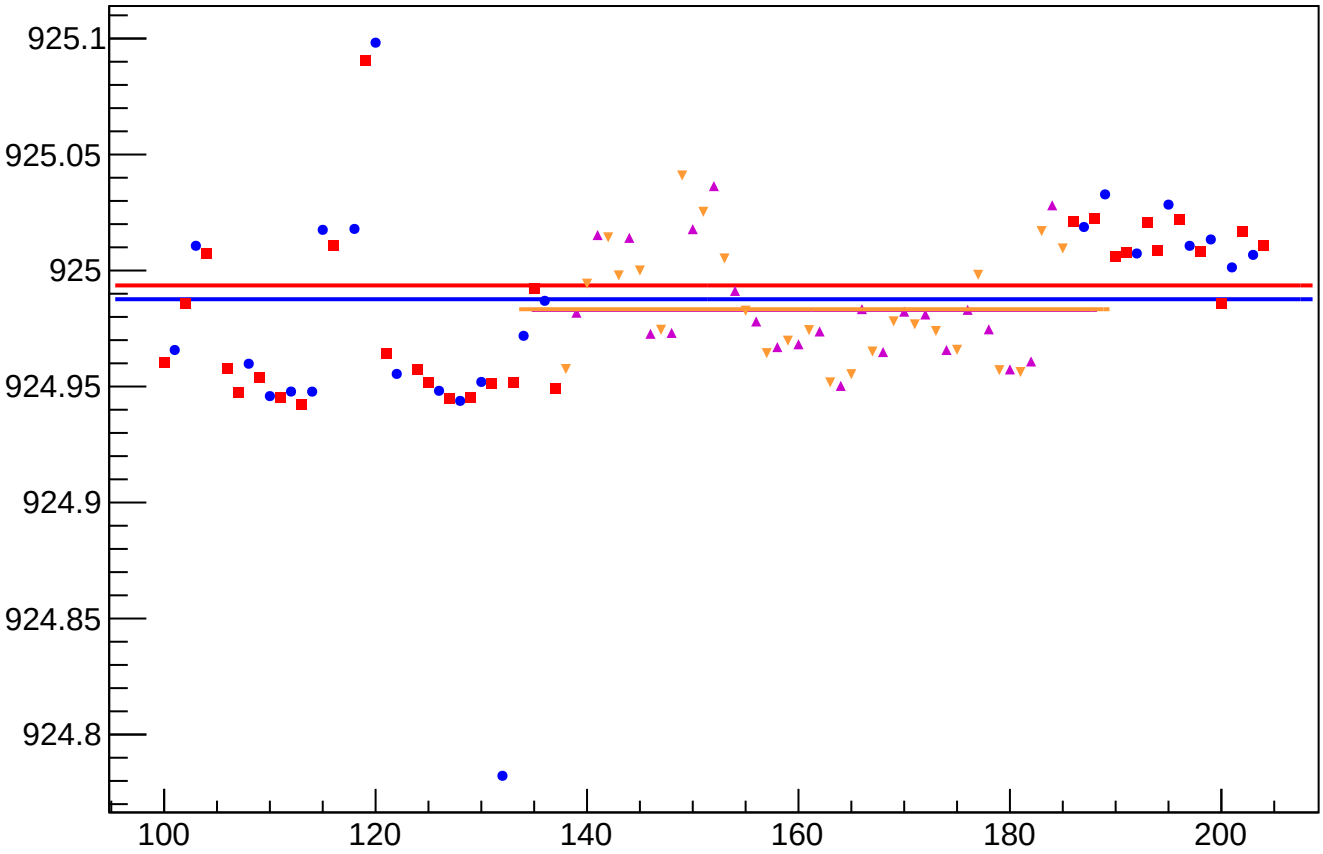
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/48

All: 0.009+/-0.000 χ^2/NDF: 1.0/101

- sign 0.009+/-0.000 χ^2/NDF: 0.4/52

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.988+/-0.000 χ^2/NDF: 335694094613233891257282566553 6.0/23

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.994+/-0.000 χ^2/NDF: 19040970199427085849029100175 36.0/29

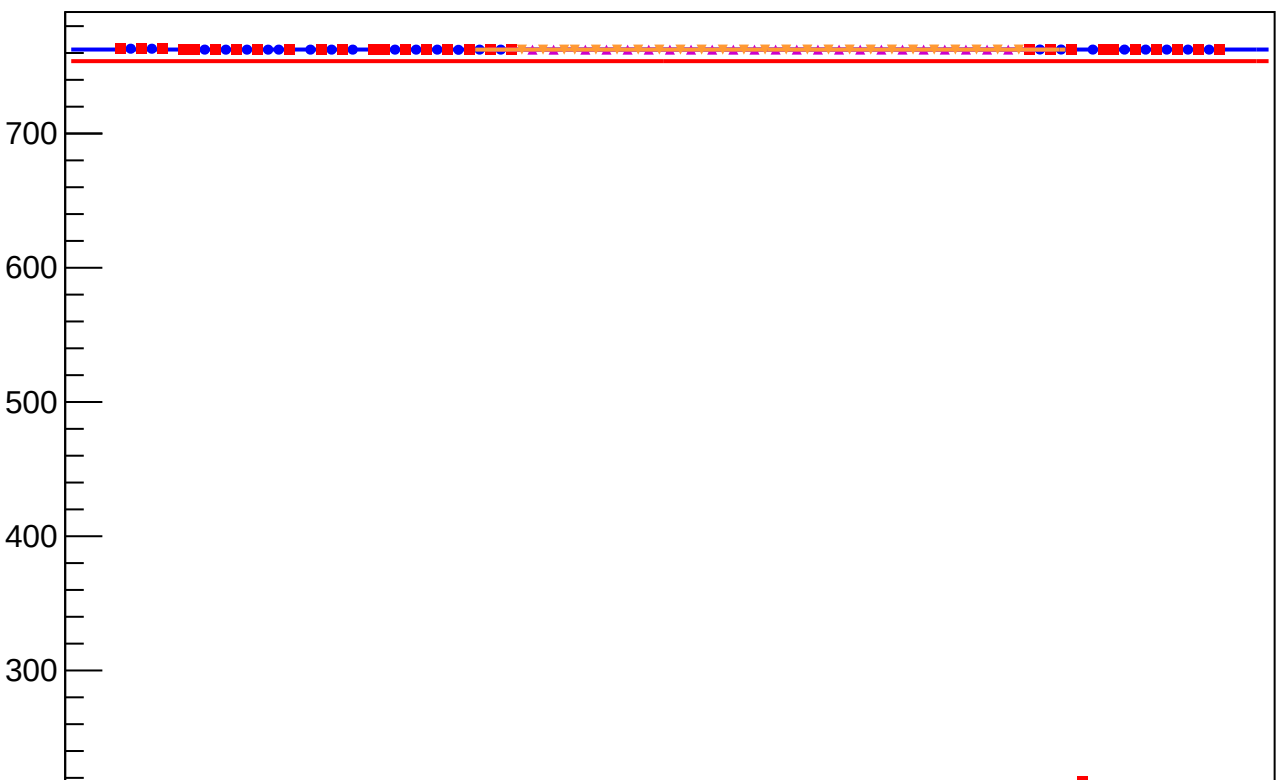
Left In: 924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

+ sign 924.985+/-0.000 χ^2/NDF: 453316985322424

All: 924.986+/-0.000 χ^2/NDF: 747484588079

- sign 924.988+/-0.000 χ^2/NDF: 292872203354444

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.575+/-0.000 χ^2/NDF: 5440835655059970189259167498240 0.0/23

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: 753.923+/-0.000 χ^2/NDF: 732146926759367470362711371556690329 6.0/29

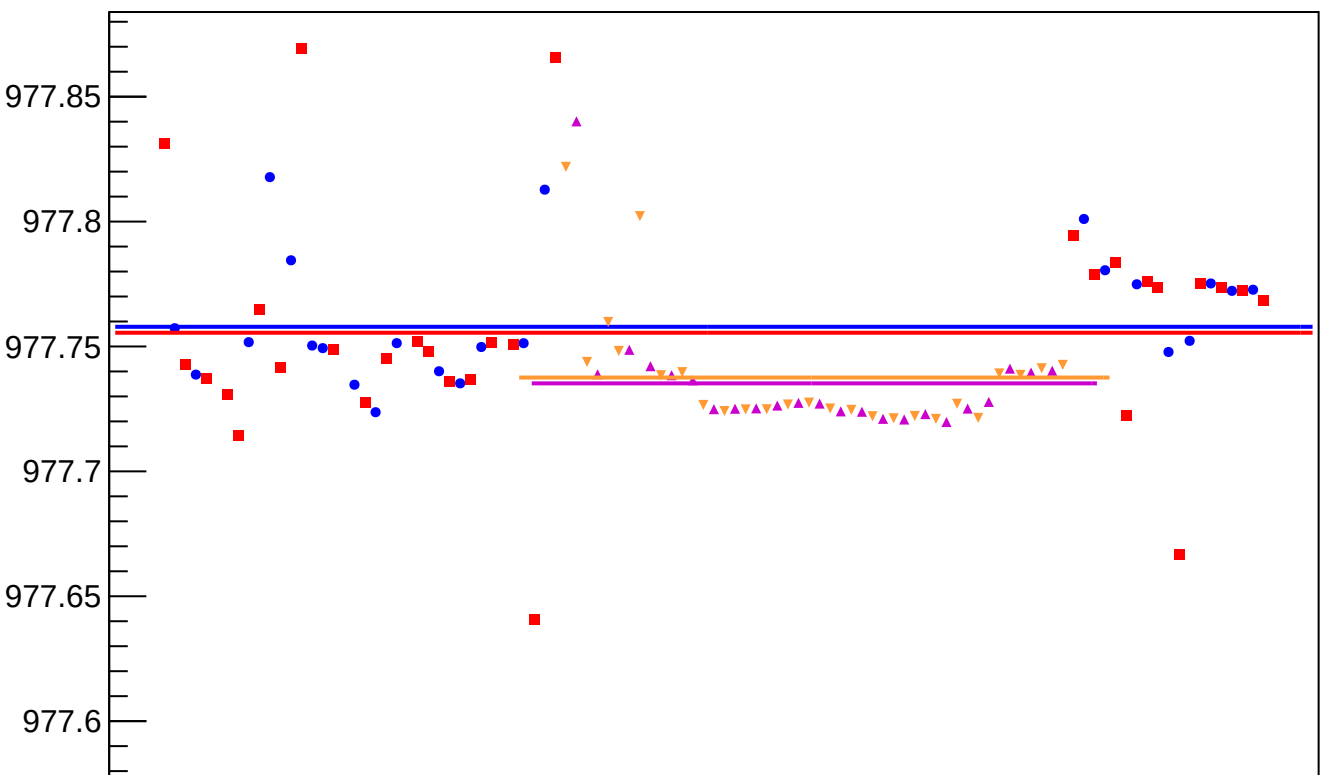
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.541+/-0.000 χ^2/NDF: 577868845577625

All: 760.553+/-0.000 χ^2/NDF: 7411487269 1

- sign 758.628+/-0.000 χ^2/NDF: 738520397350975

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.758+/-0.000 χ^2/NDF: 21835980098330383278890192732 16.0/23

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: 977.755+/-0.000 χ^2/NDF: 28202734444944618716457127116 80.0/29

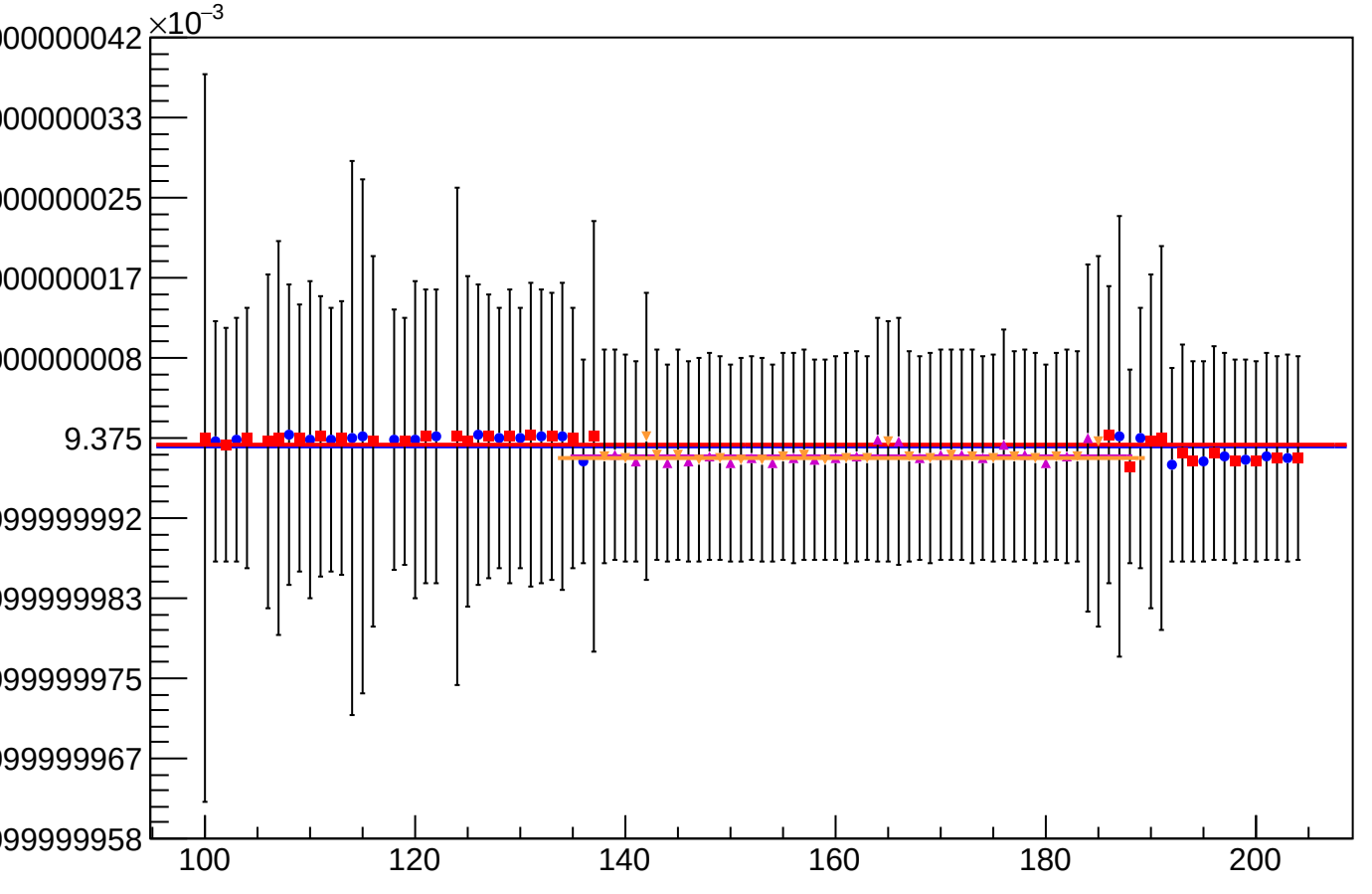
Left In: 977.735+/-0.000 χ^2/NDF:10967664376054172546270725406 72.0/22

+ sign 977.746+/-0.000 χ^2/NDF: 369639598356812

All: 977.745+/-0.000 χ^2/NDF: 797061110197

- sign 977.744+/-0.000 χ^2/NDF: 427125182959008

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/29

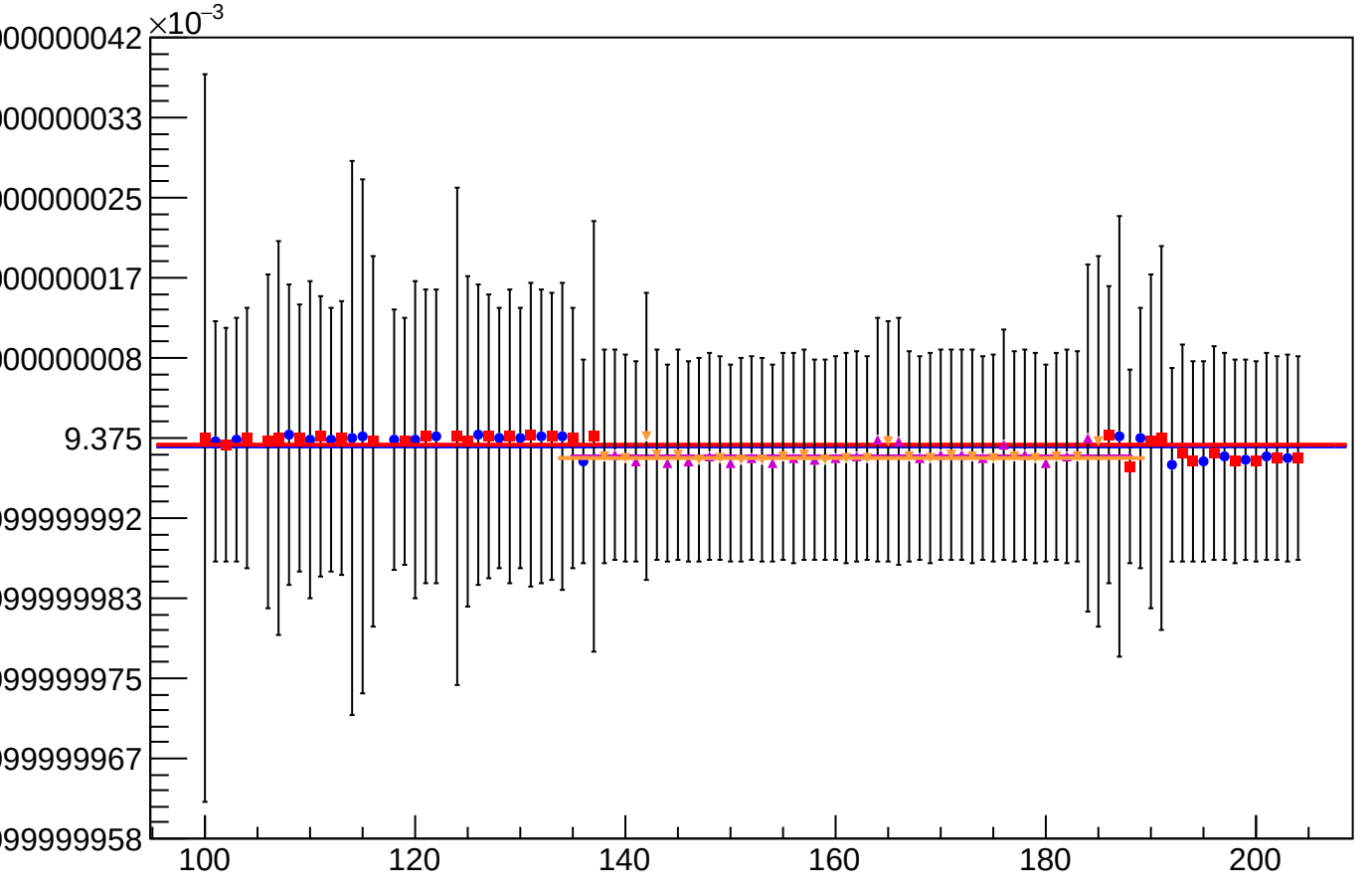
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/48

All: 0.009+/-0.000 χ^2/NDF: 1.0/101

- sign 0.009+/-0.000 χ^2/NDF: 0.4/52

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/29

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/48

All: 0.009+/-0.000 χ^2/NDF: 1.0/101

- sign 0.009+/-0.000 χ^2/NDF: 0.4/52

VWienAngle_mean vs Slug

Right In: 88.001+/-0.000 χ^2/NDF: 2559493.9/23

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

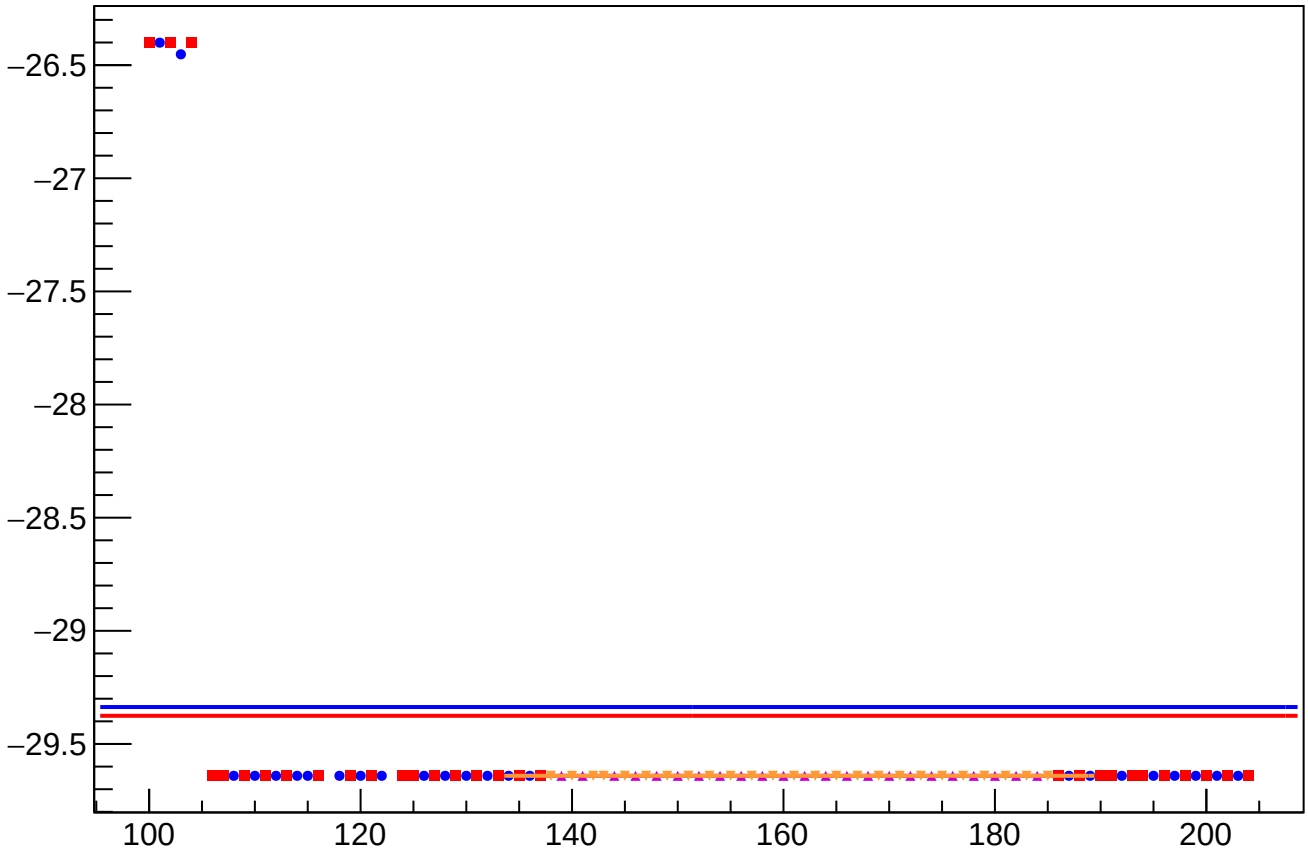
Right Out: 88.002+/-0.000 χ^2/NDF: 761041489493974063896372183 04.0/29

Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -18.884+/-0.000 χ^2/NDF: 258472991581019

All: -14.250+/-0.000 χ^2/NDF: 535080165495

- sign -9.762+/-0.000 χ^2/NDF: 2751817439791765



Right In: -29.337+/-0.000 χ^2/NDF: 11978156389111686438174351949824000.0/23

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

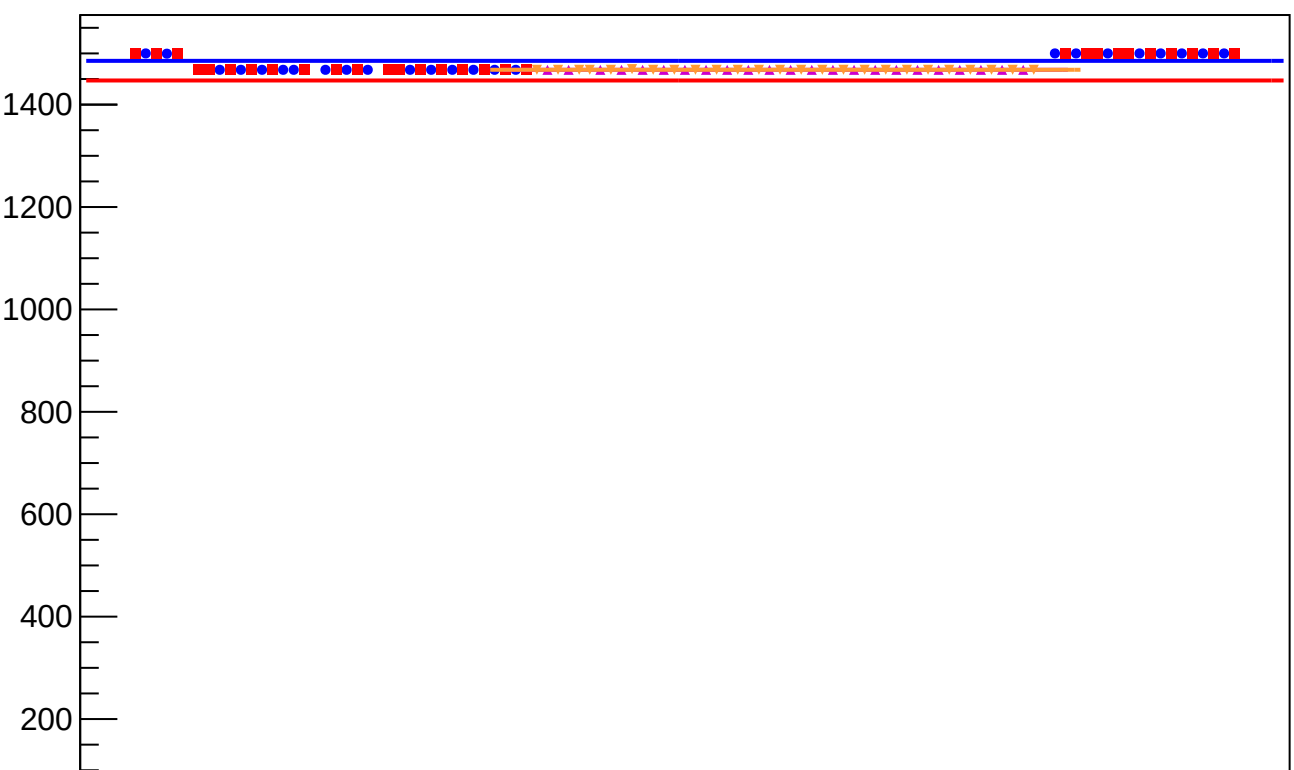
Right Out: -29.376+/-0.000 χ^2/NDF: 12433461350253843336601863884636160.0/29

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.519+/-0.000 χ^2/NDF: 127265195383832

All: -29.520+/-0.000 χ^2/NDF: 257667956093

- sign -29.521+/-0.000 χ^2/NDF: 1304020795864436



Right In: 1485.480+/-0.000 χ^2/NDF: 34307312195471292424436064717688012 8.0/23

+ sign 1475.049+/-0.000 χ^2/NDF: 5893715232409

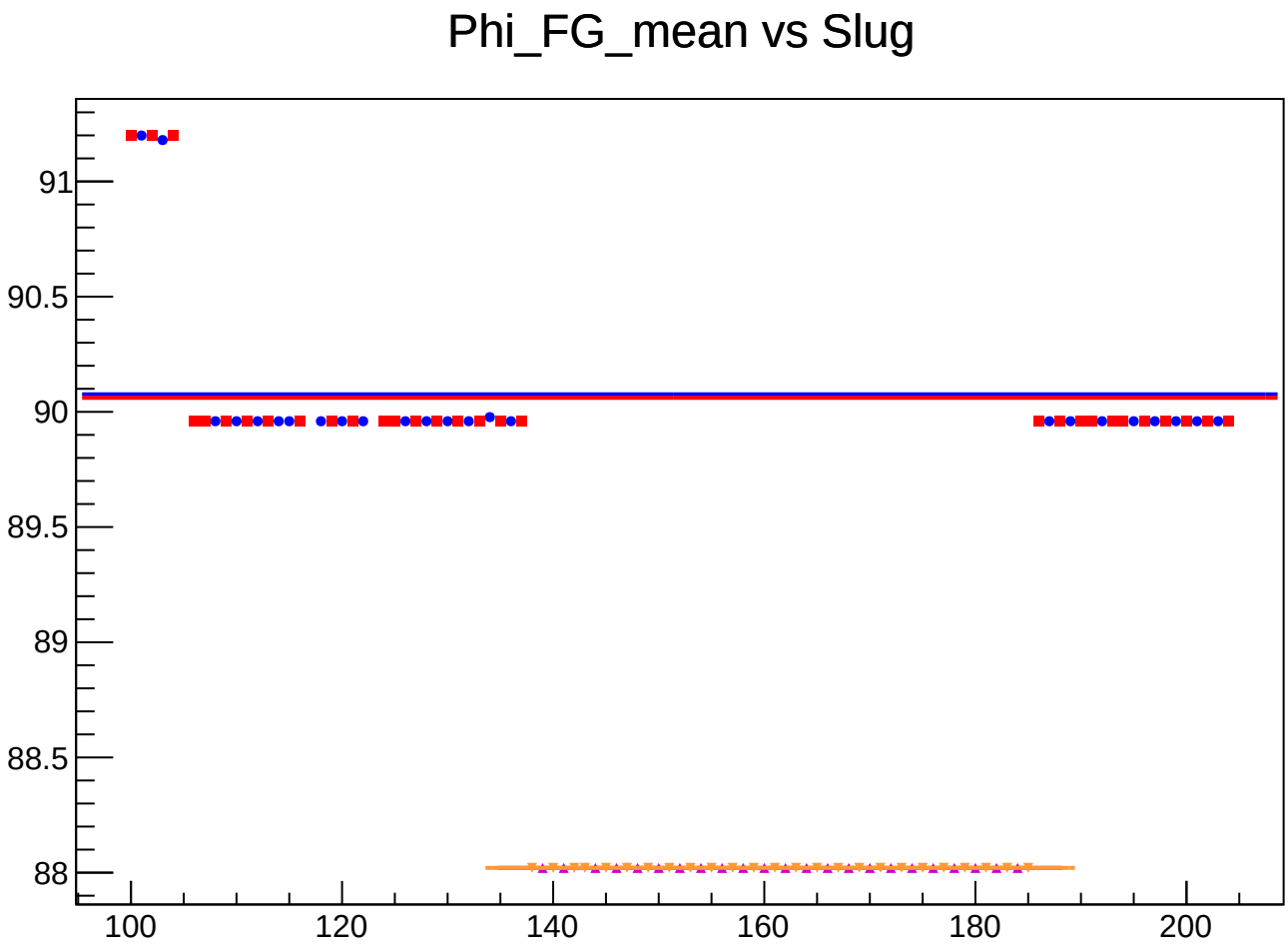
Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

All: 1466.671+/-0.000 χ^2/NDF: 921763122 56

Right Out: 1447.145+/-0.000 χ^2/NDF: 907460156026233173939969614720511508 48.0/29

- sign 1458.557+/-0.000 χ^2/NDF: 911210060550 12

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22



Right In: 90.076+/-0.000 χ^2/NDF: 1752964960009635046189176056709120.0/23

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.061+/-0.000 χ^2/NDF: 18211486598987186958037577367552 0.0/29

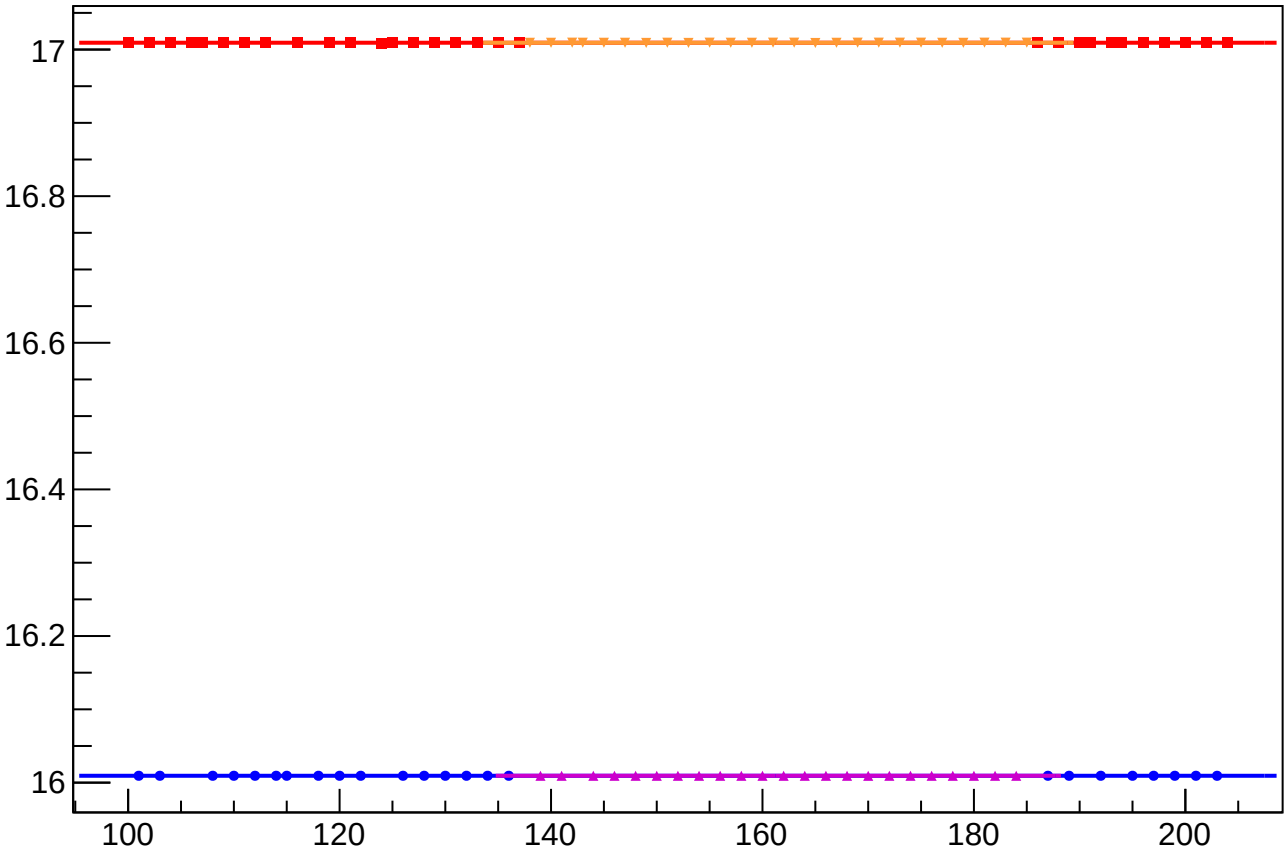
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.846+/-0.000 χ^2/NDF: 3598641719939721

All: 88.896+/-0.000 χ^2/NDF: 7387676632903

- sign 88.944+/-0.000 χ^2/NDF: 3772570070927195

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 1048222325092050985287680.0/23

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 1898714366273343332758323 2.0/29

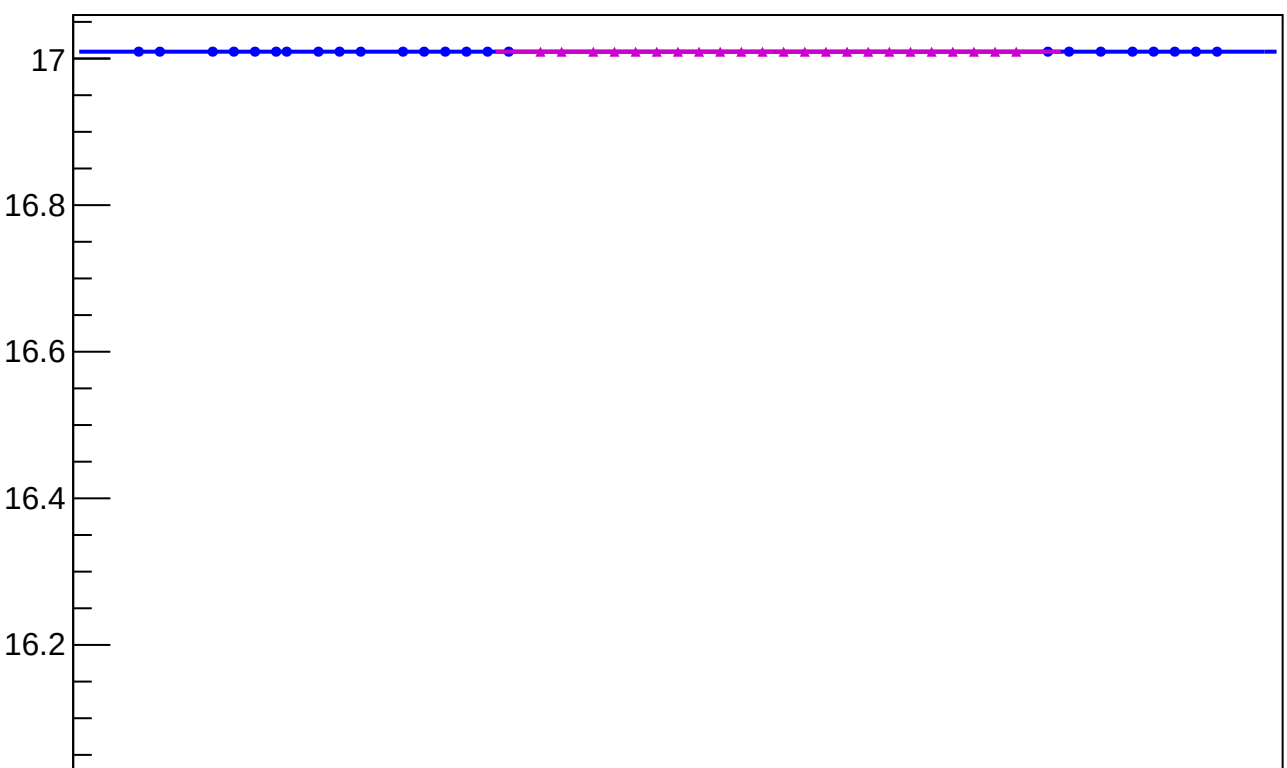
Left In: 16.009+/-0.000 χ^2/NDF:124687912167063523688448.0/22

+ sign 16.597+/-0.000 χ^2/NDF: 7722464325842104

All: 16.532+/-0.000 χ^2/NDF: 161184491538 9

- sign 16.469+/-0.000 χ^2/NDF: 8133360961828573

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 1048503625475611573616640.0/23

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 414865.1/29

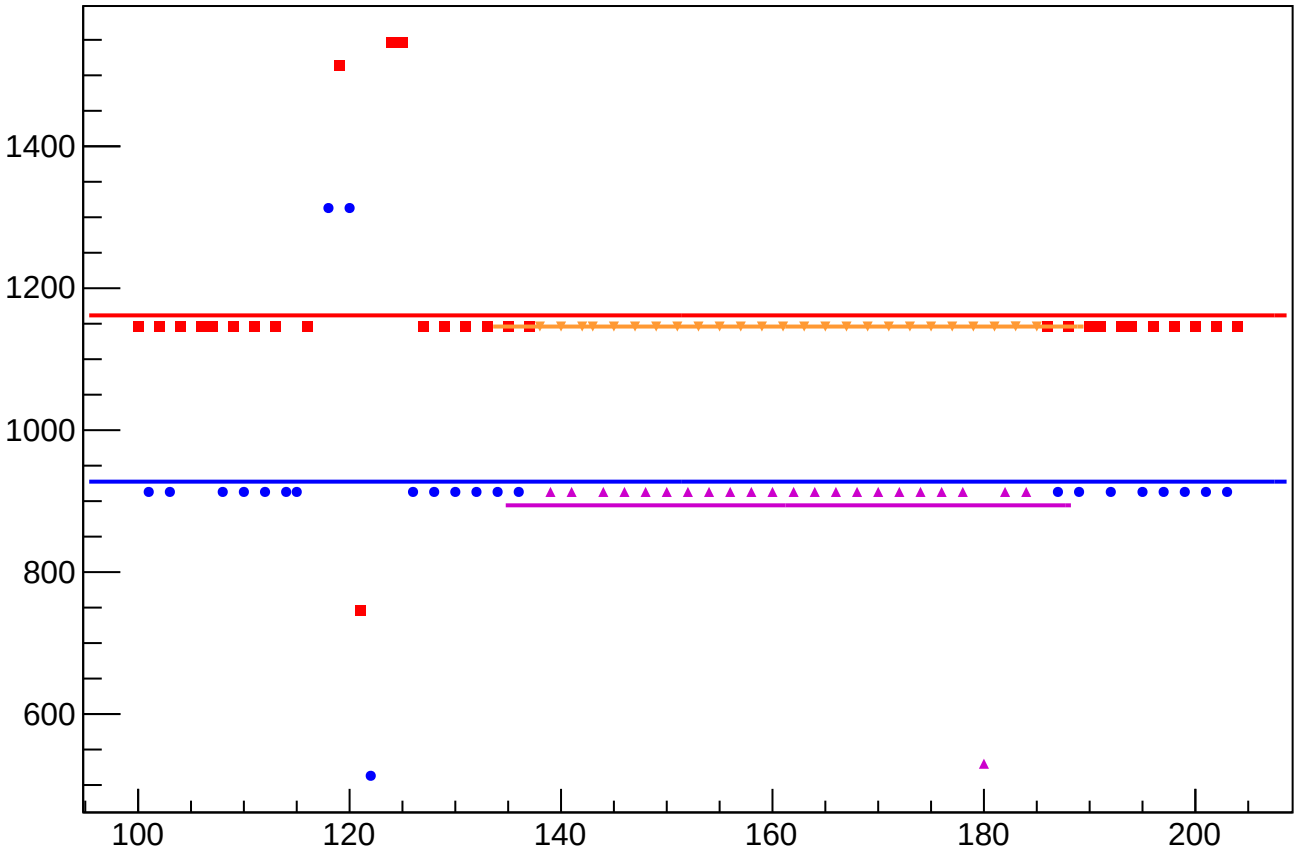
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.408+/-0.000 χ^2/NDF: 7939217420779726

All: 16.481+/-0.000 χ^2/NDF: 168054194037

- sign 16.551+/-0.000 χ^2/NDF: 8519551793091682

RTPAPOSUCNT_mean vs Slug



Right In: 927.471+/-0.000 χ^2/NDF: 213176512290466902750988088490841866240.0/23

+ sign 1058.263+/-0.000 χ^2/NDF: 60021210783412

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974720.0/24

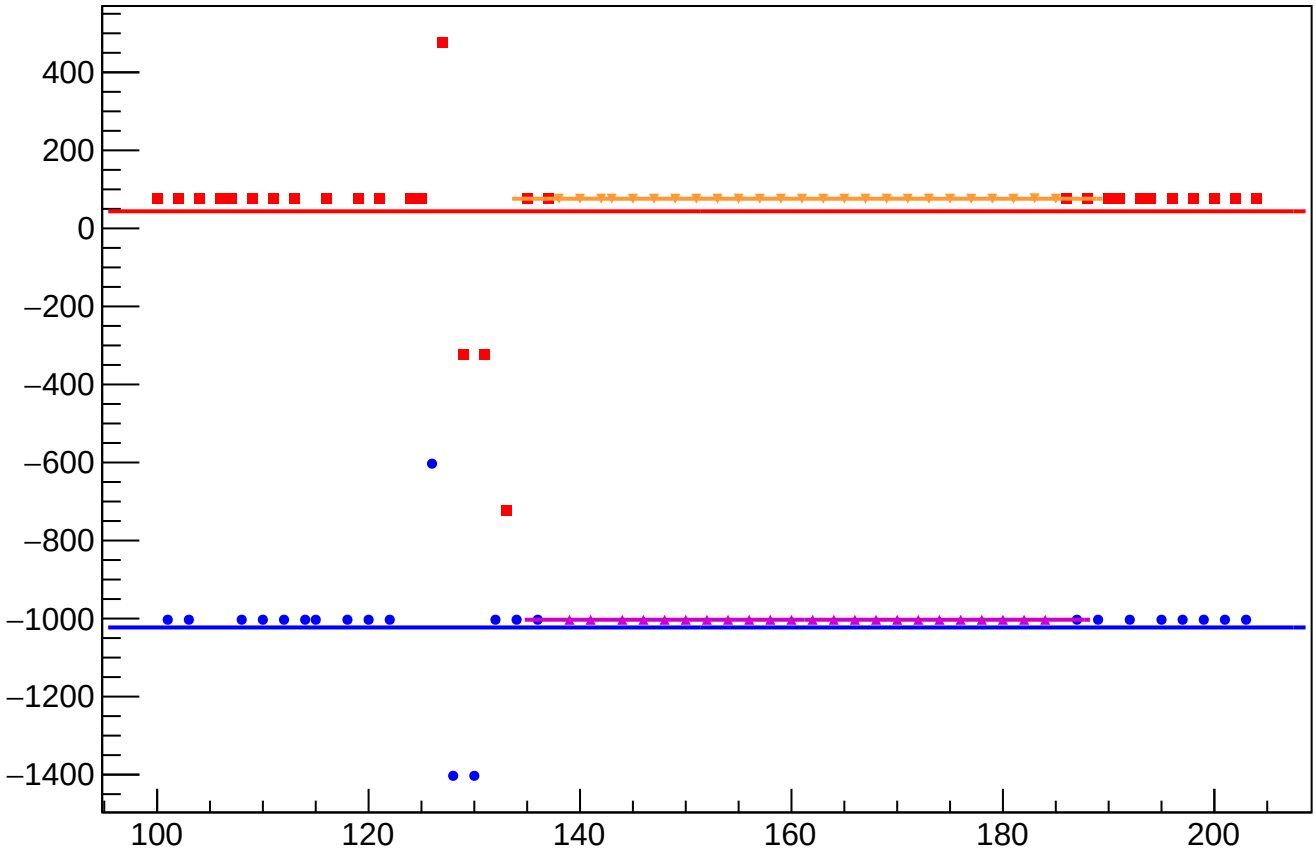
All: 1036.408+/-0.000 χ^2/NDF: 160649196047

Right Out: 1161.746+/-0.000 χ^2/NDF: 225560839148508448897441706615211294720.0/29

- sign 1015.244+/-0.000 χ^2/NDF: 97457687871614

Left In: 894.107+/-0.000 χ^2/NDF:131072382992117127838961838029642137600.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1022.783+/-0.000 χ^2/NDF: 233091878891861305796086472113421025280.0/23

+ sign -365.176+/-0.000 χ^2/NDF: 10017118739365

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048O.0/24

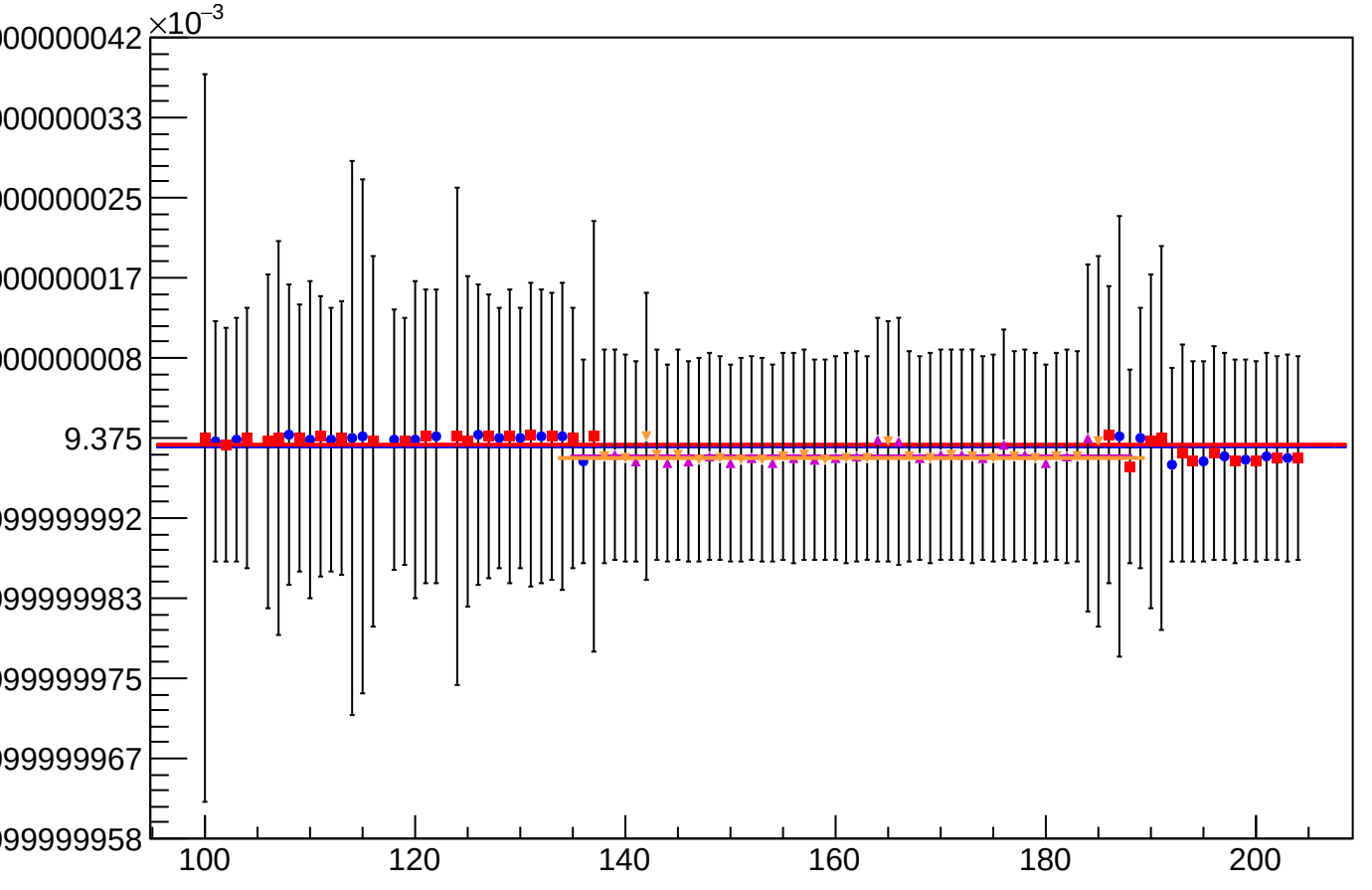
All: -448.509+/-0.000 χ^2/NDF: 2040864885O

Right Out: 43.777+/-0.000 χ^2/NDF: 4780229889537366860259944285723007385O.0/29

- sign -529.209+/-0.000 χ^2/NDF: 993060008439909

Left In: -1002.990+/-0.000 χ^2/NDF:29519559033483147530972692480.0/22

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/29

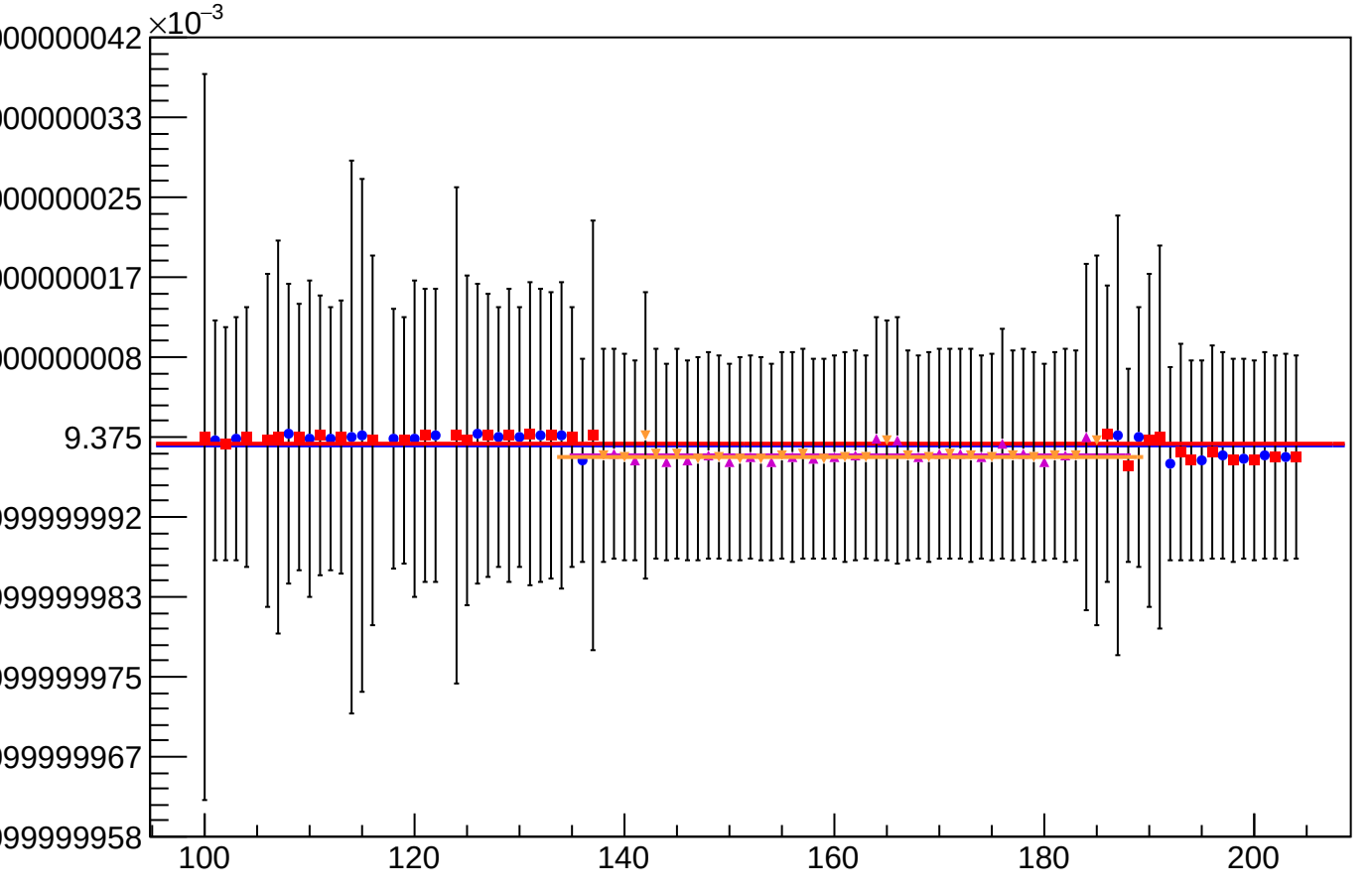
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/48

All: 0.009+/-0.000 χ^2/NDF: 1.0/101

- sign 0.009+/-0.000 χ^2/NDF: 0.4/52

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/29

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/48

All: 0.009+/-0.000 χ^2/NDF: 1.0/101

- sign 0.009+/-0.000 χ^2/NDF: 0.4/52